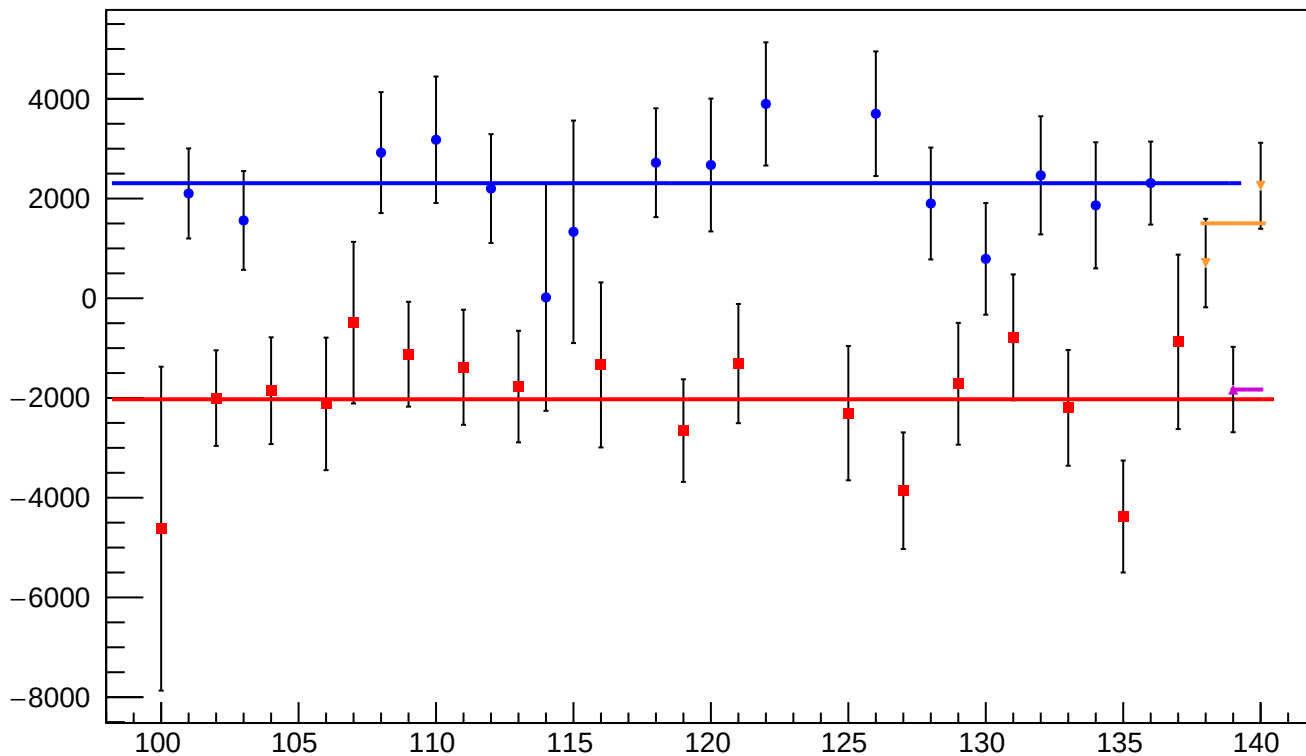


reg_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431

χ^2/NDF : 7.8/15

+ sign 2162.699+/-262.893

χ^2/NDF : 10.7/17

Left Out: 1502.951+/-618.540

χ^2/NDF : 1.6/1

All: 168.636+/-189.868

χ^2/NDF : 143.0/36

Right Out: -2025.627+/-289.797

χ^2/NDF : 11.9/17

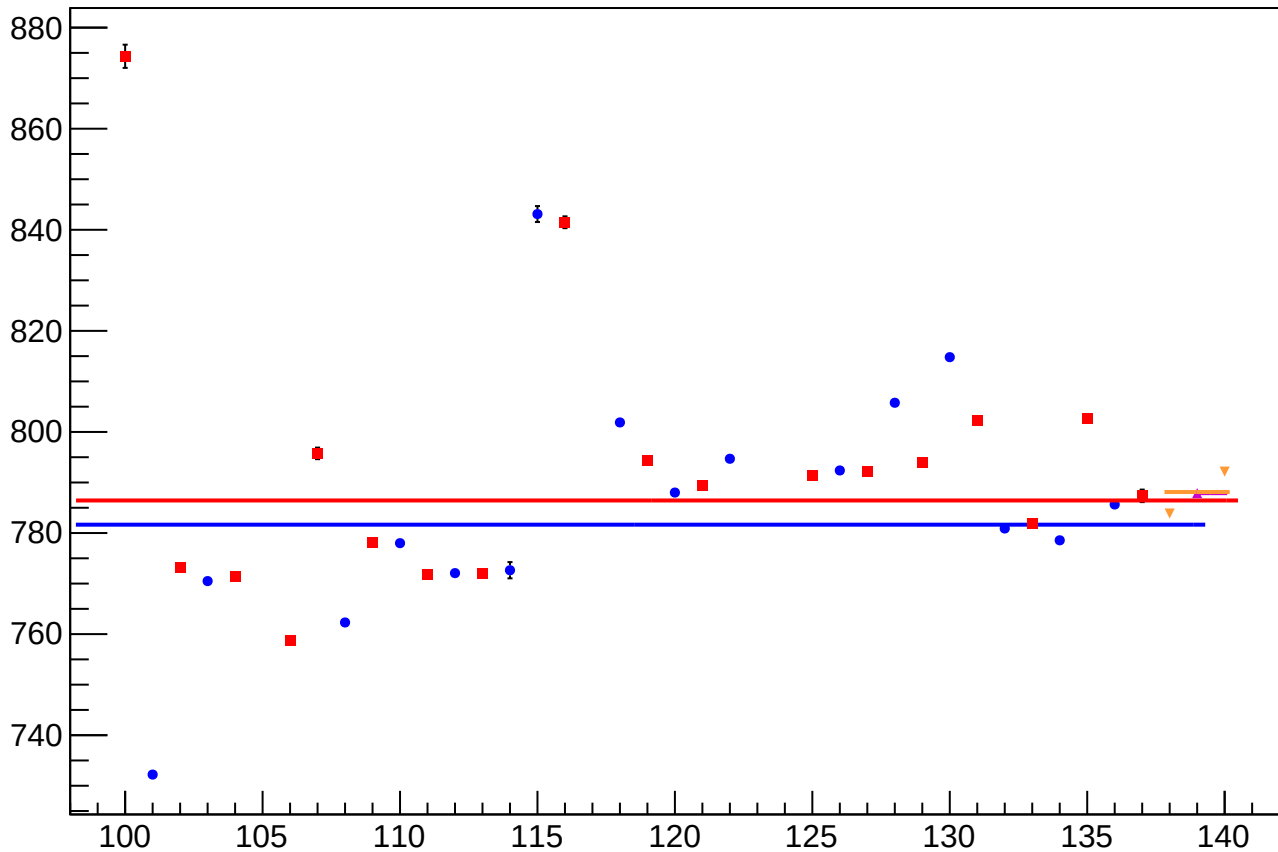
- sign -2005.563+/-274.511

χ^2/NDF : 12.0/18

Left In: -1830.287+/-856.539

χ^2/NDF : 0.0/0

reg_asym_us_avg_rms vs Slug



Right In: 781.654 ± 0.205 $\chi^2/\text{NDF}: 12319.0/15$

Left Out: 788.121 ± 0.437 $\chi^2/\text{NDF}: 89.8/1$

Right Out: 786.443 ± 0.205 $\chi^2/\text{NDF}: 7201.6/17$

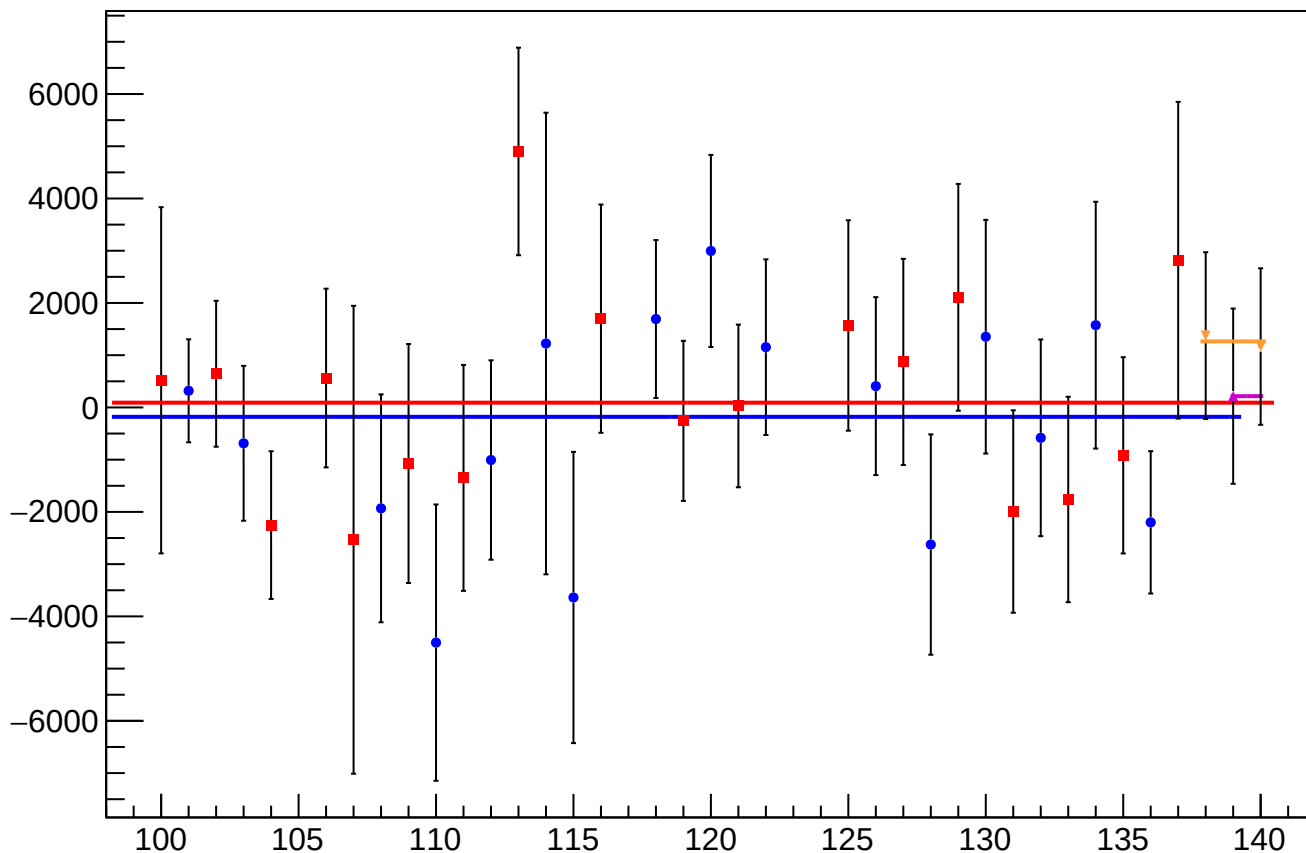
Left In: 787.893 ± 0.606 $\chi^2/\text{NDF}: 0.0/0$

+ sign 782.822 ± 0.186 $\chi^2/\text{NDF}: 12588.0/17$

All: 784.626 ± 0.134 $\chi^2/\text{NDF}: 19991.4/36$

- sign 786.592 ± 0.194 $\chi^2/\text{NDF}: 7206.7/18$

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 1263.987 ± 1092.227 χ^2/NDF : 0.0/1

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

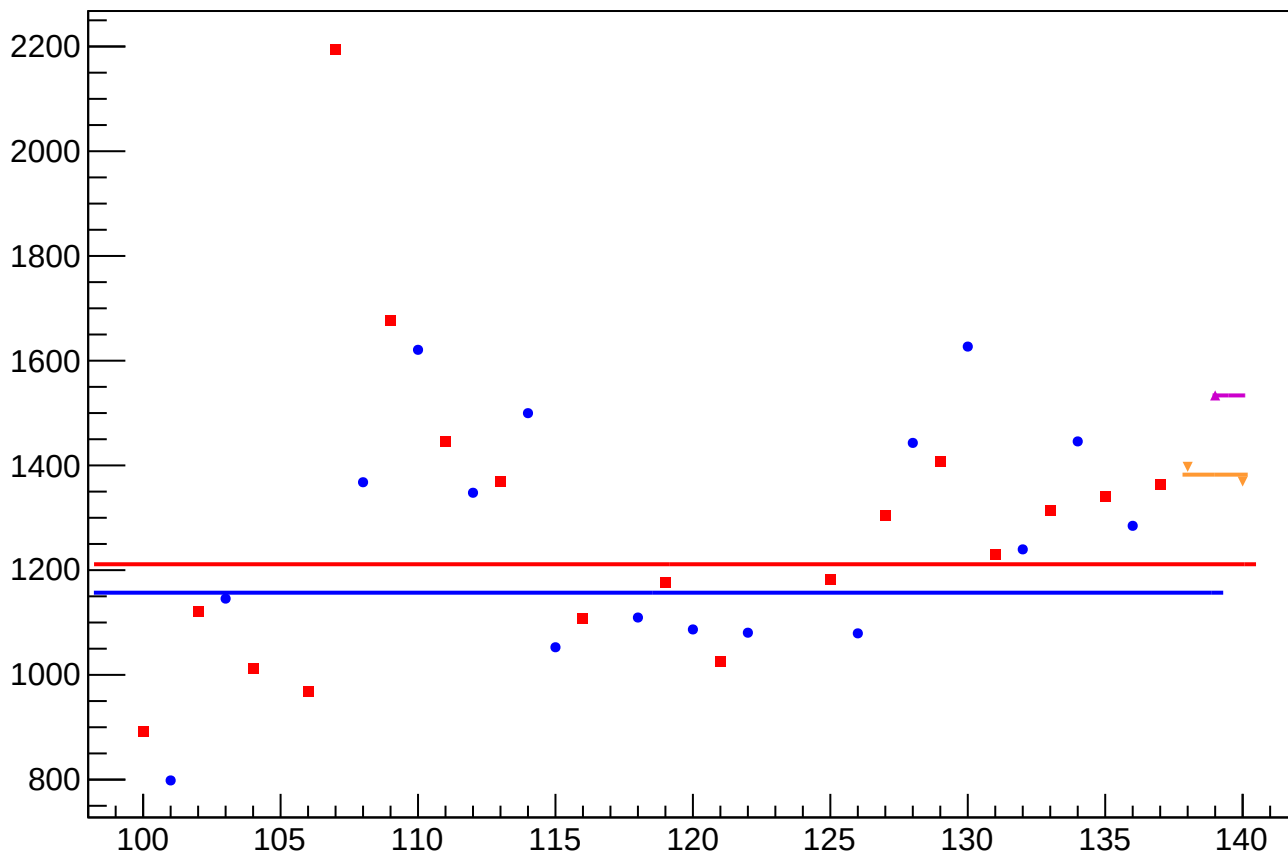
Left In: 215.739 ± 1677.556 χ^2/NDF : 0.0/0

+ sign 22.288 ± 408.743 χ^2/NDF : 16.9/17

All: 58.289 ± 299.139 χ^2/NDF : 32.1/36

- sign 99.809 ± 438.964 χ^2/NDF : 15.2/18

asym_us_avg_reg_correction_rms vs Slug



Right In: 1156.948 $\pm$ 0.312 χ^2 /NDF: 569119.8/15

Left Out: 1382.378 $\pm$ 0.772 χ^2 /NDF:327.4/1

Right Out: 1211.264 $\pm$ 0.322 χ^2 /NDF: 397714.5/17

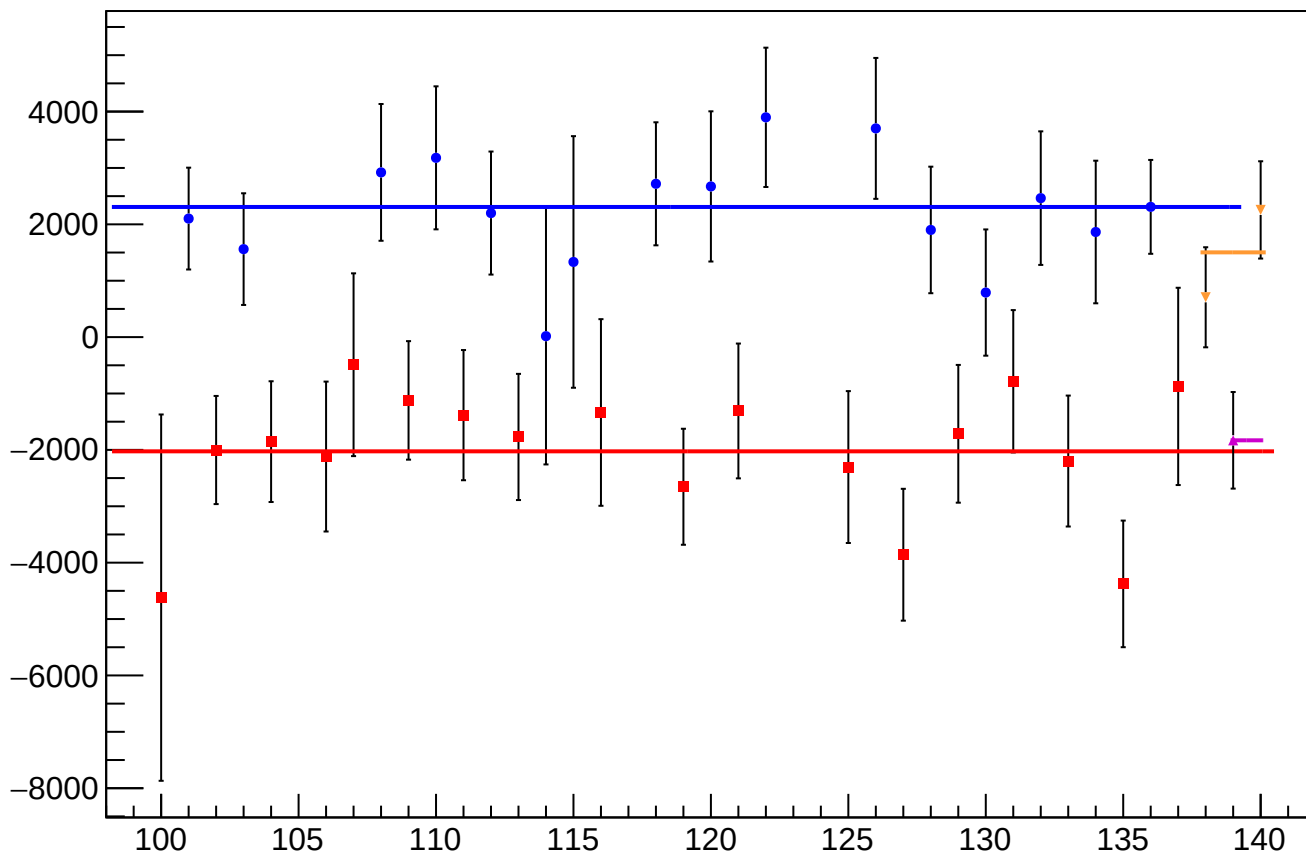
Left In: 1533.654 $\pm$ 1.186 χ^2 /NDF:0.0/0

+ sign 1188.519 $\pm$ 0.289 χ^2 /NDF: 642713.3/17

All: 1209.333 $\pm$ 0.212 χ^2 /NDF: 1120402.4/30

- sign 1233.338 $\pm$ 0.310 χ^2 /NDF: 466522.0/18

cor_asym_us_avg_mean vs Slug



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

Left Out: 1502.951+/-618.540 χ^2/NDF : 1.6/1

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

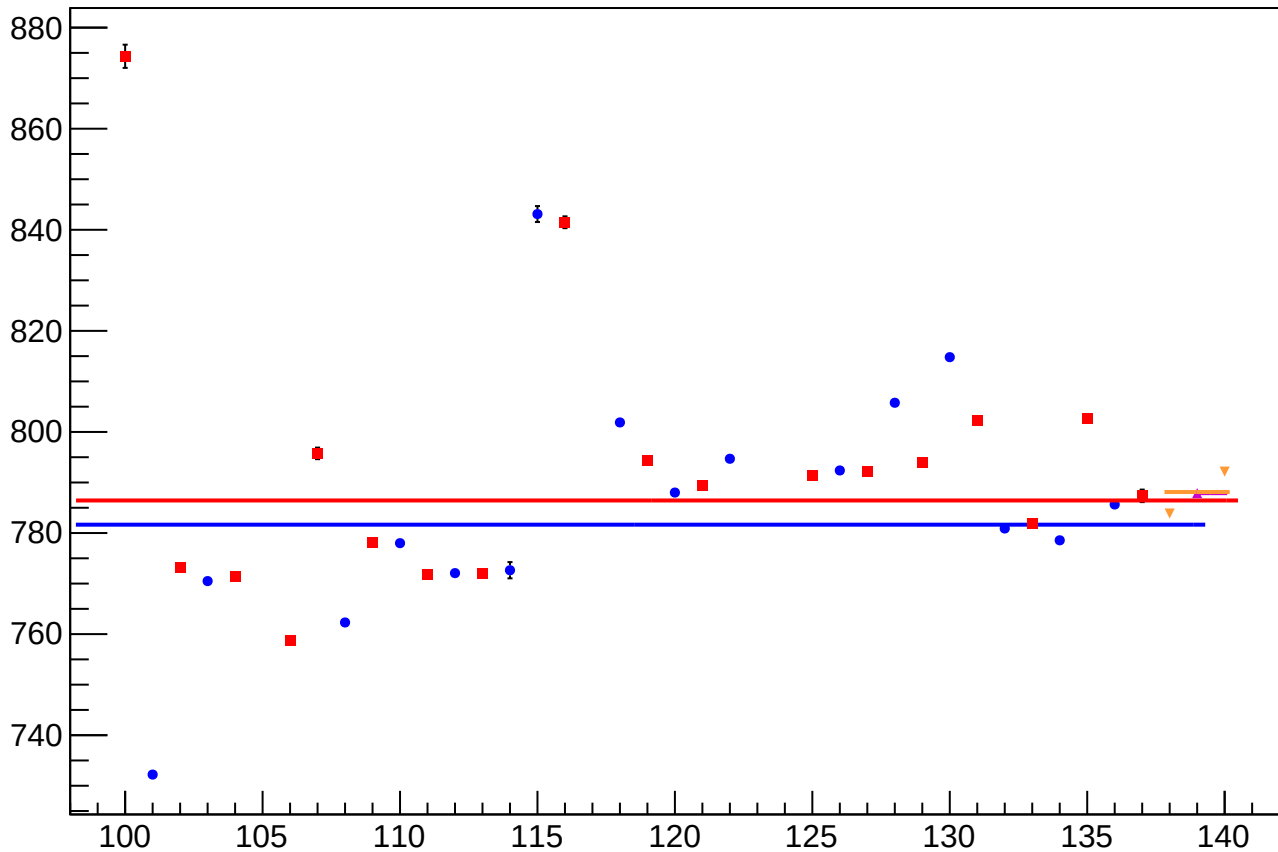
Left In: -1830.287+/-856.539 χ^2/NDF : 0.0/0

+ sign 2162.699+/-262.893 χ^2/NDF : 10.7/17

All: 168.636+/-189.868 χ^2/NDF : 143.0/36

- sign -2005.563+/-274.511 χ^2/NDF : 12.0/18

cor_asym_us_avg_rms vs Slug



Right In: 781.654 $\pm$ 0.205 χ^2 /NDF: 12319.0/15

Left Out: 788.121 $\pm$ 0.437 χ^2 /NDF: 89.8/1

Right Out: 786.443 $\pm$ 0.205 χ^2 /NDF: 7201.6/17

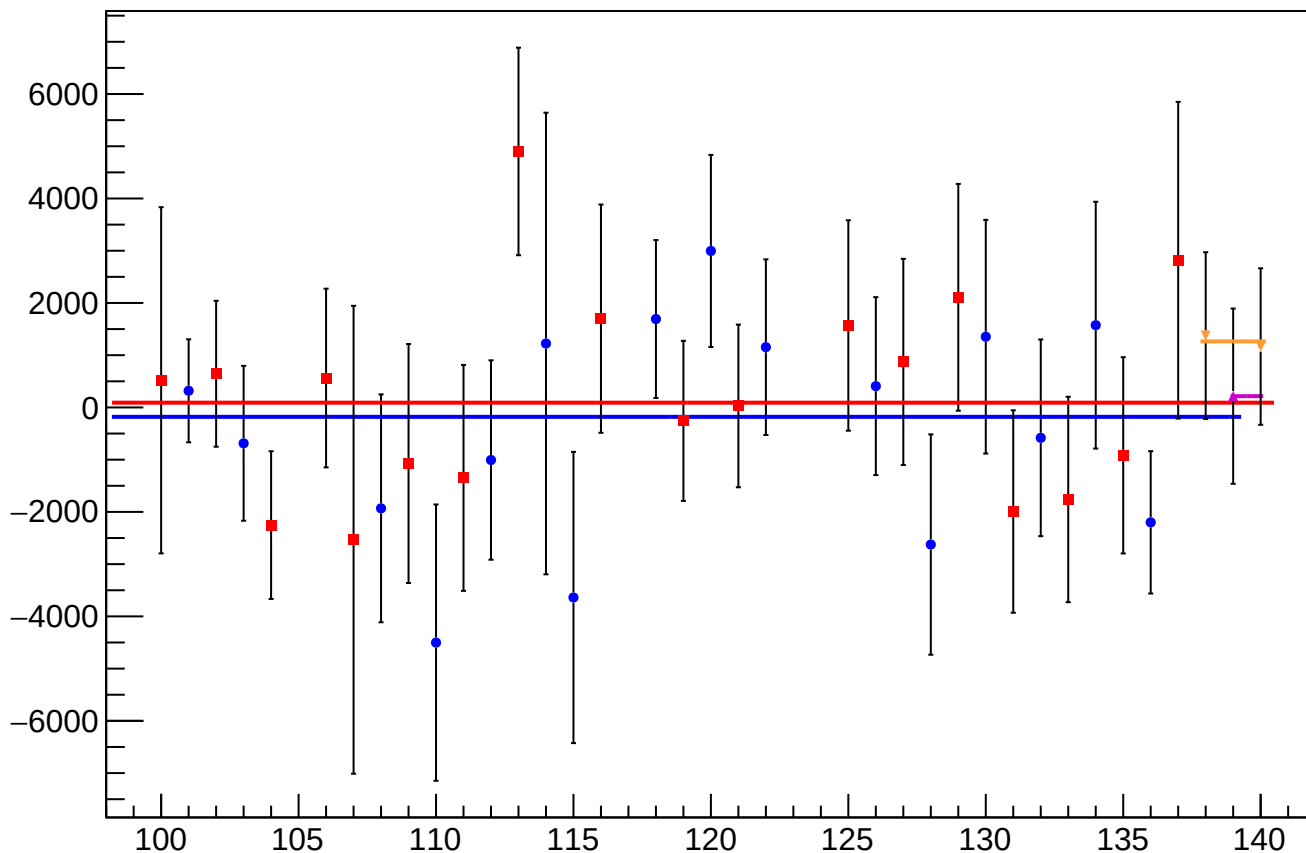
Left In: 787.893 $\pm$ 0.606 χ^2 /NDF: 0.0/0

+ sign 782.822 $\pm$ 0.186 χ^2 /NDF: 12588.0/17

All: 784.626 $\pm$ 0.134 χ^2 /NDF: 19991.4/36

- sign 786.592 $\pm$ 0.194 χ^2 /NDF: 7206.7/18

asym_us_avg_cor_correction_mean vs Slug



Right In: -179.929 ± 440.772 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 1263.987 ± 1092.227 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 91.288 ± 454.811 $\chi^2/\text{NDF}: 15.2/17$

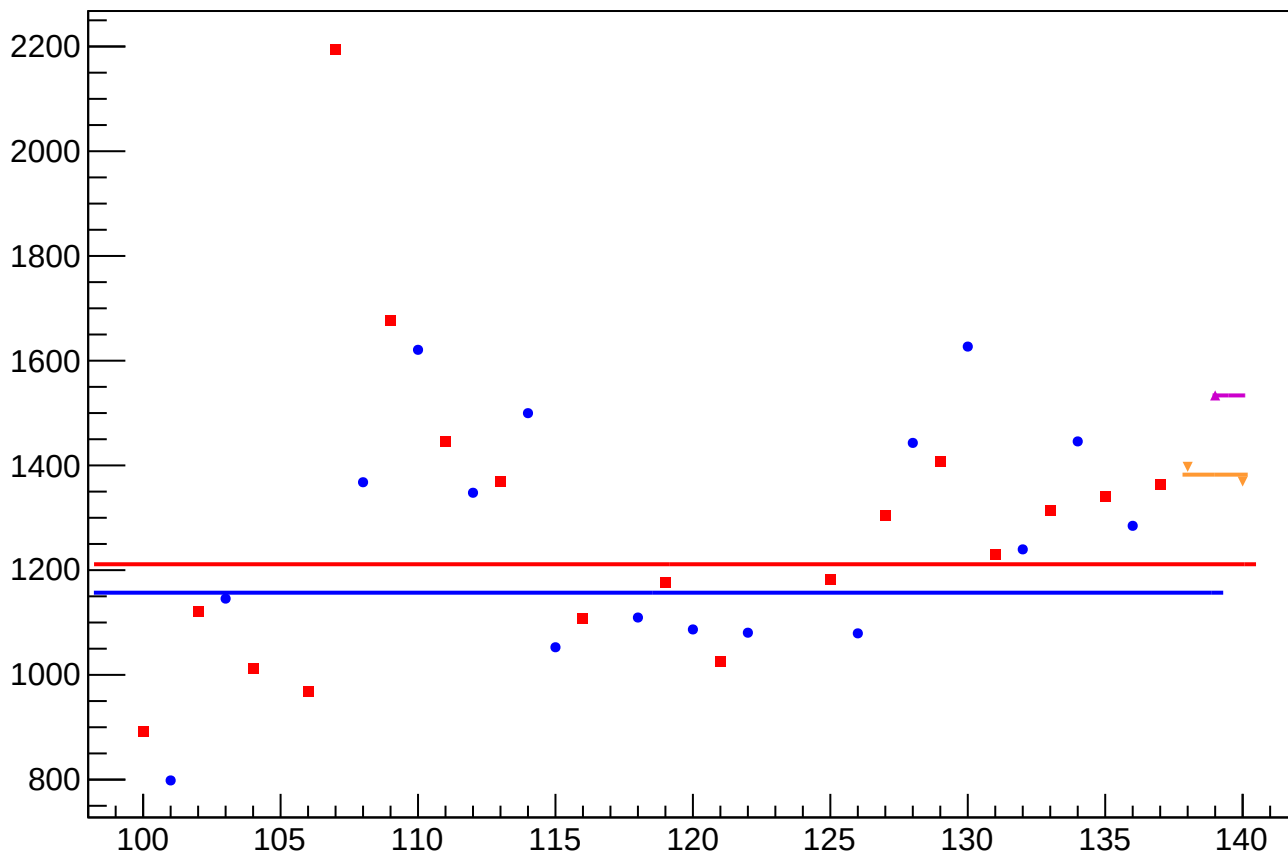
Left In: 215.739 ± 1677.556 $\chi^2/\text{NDF}: 0.0/0$

+ sign 22.288 ± 408.743 $\chi^2/\text{NDF}: 16.9/17$

All: 58.289 ± 299.139 $\chi^2/\text{NDF}: 32.1/36$

- sign 99.809 ± 438.964 $\chi^2/\text{NDF}: 15.2/18$

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1382.378+/-0.772 χ^2/NDF : 327.4/1

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

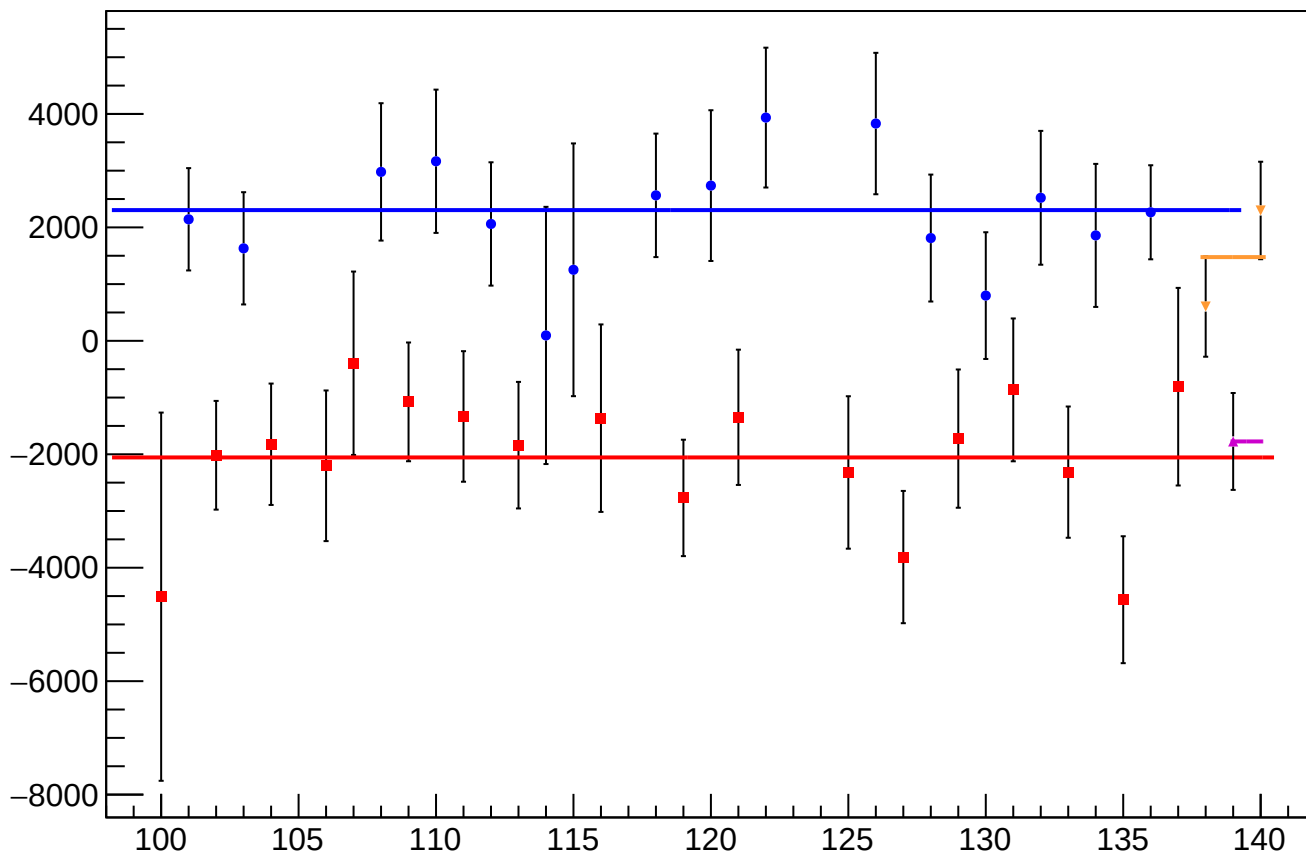
Left In: 1533.654+/-1.186 χ^2/NDF : 0.0/0

+ sign 1188.519+/-0.289 χ^2/NDF : 642713.3/17

All: 1209.333+/-0.212 χ^2/NDF : 1120402.4/30

- sign 1233.338+/-0.310 χ^2/NDF : 466522.0/18

overload_cor_asym_us_avg_mean vs Slug



Right In: 2304.852 $\pm$ 289.704 χ^2 /NDF: 8.1/15

Left Out: 1476.165 $\pm$ 616.454 χ^2 /NDF:1.9/1

Right Out: -2055.666 $\pm$ 289.090 χ^2 /NDF: 12.9/17

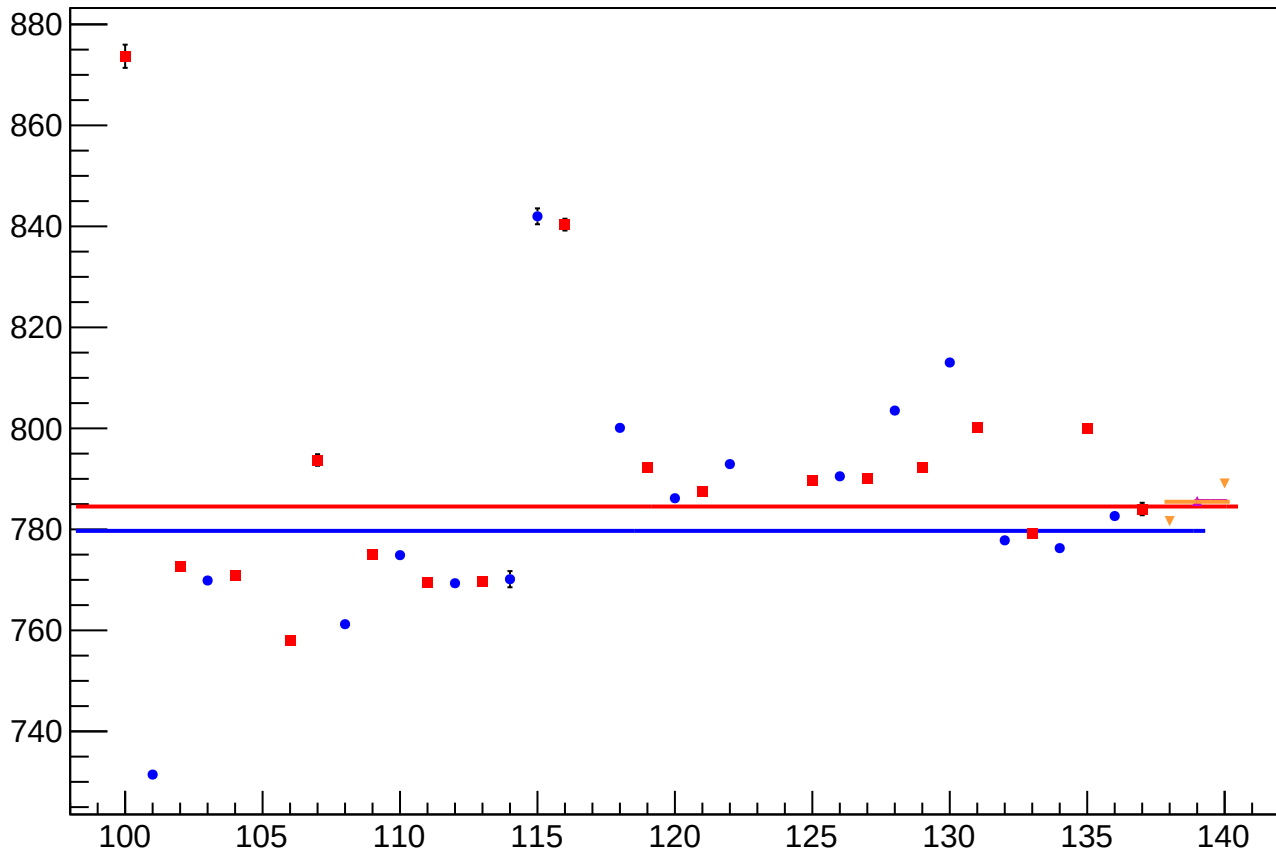
Left In: -1773.775 $\pm$ 854.064 χ^2 /NDF:0.0/0

+ sign 2154.941 $\pm$ 262.193 χ^2 /NDF: 11.4/17

All: 154.848 $\pm$ 189.378 χ^2 /NDF: 146.1/36

- sign -2026.689 $\pm$ 273.828 χ^2 /NDF: 13.0/18

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.702 $\pm$ 0.205 χ^2 /NDF: 12060.2/15

Left Out: 785.469 $\pm$ 0.436 χ^2 /NDF: 72.9/1

Right Out: 784.524 $\pm$ 0.204 χ^2 /NDF: 7160.0/17

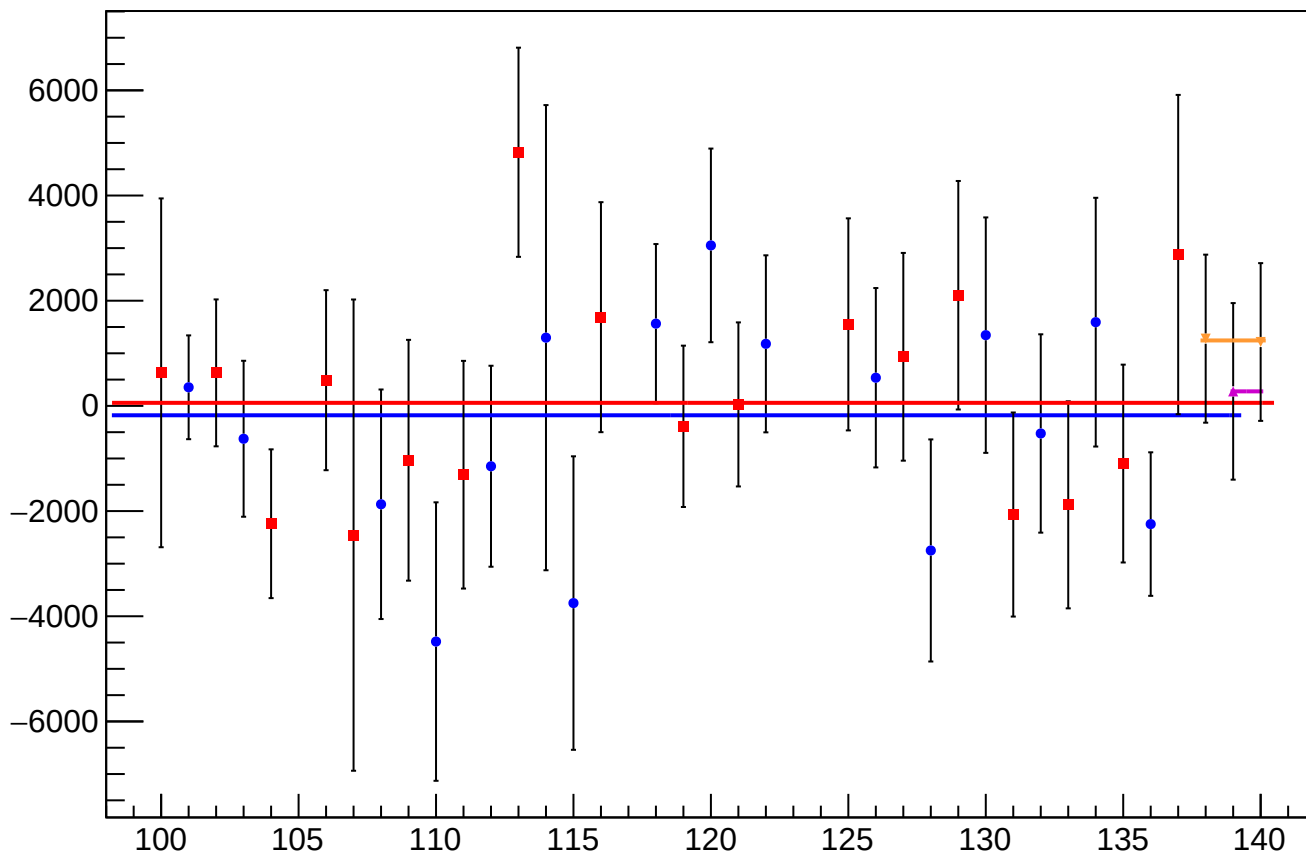
Left In: 785.619 $\pm$ 0.604 χ^2 /NDF: 0.0/0

+ sign 780.745 $\pm$ 0.185 χ^2 /NDF: 12276.5/17

All: 782.607 $\pm$ 0.134 χ^2 /NDF: 19650.2/36

- sign 784.637 $\pm$ 0.194 χ^2 /NDF: 7163.0/18

asym_us_avg_overload_cor_correction_mean vs Slug



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

Left Out: 1244.470 ± 1093.434 χ^2/NDF : 0.0/1

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

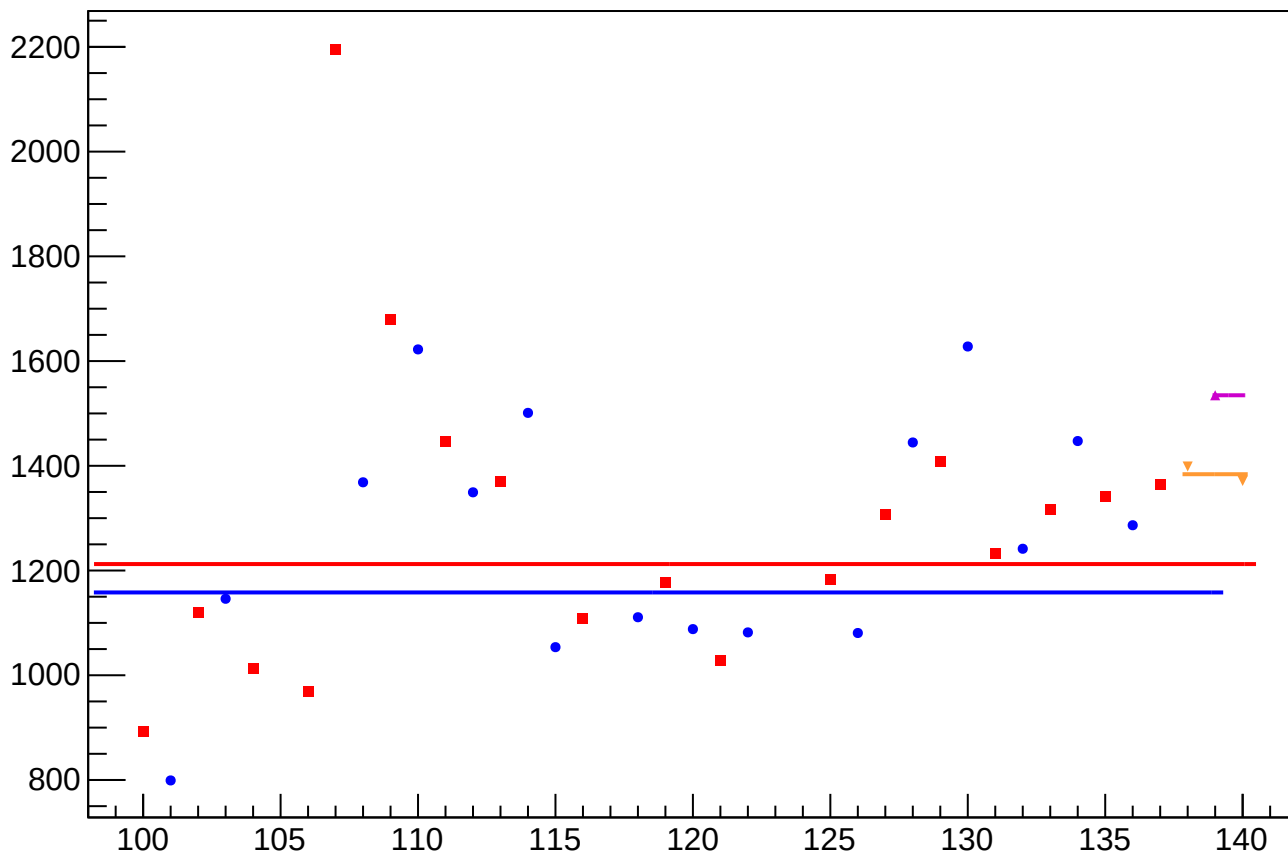
Left In: 276.166 ± 1678.709 χ^2/NDF : 0.0/0

+ sign 20.789 ± 409.162 χ^2/NDF : 17.2/17

All: 45.031 ± 299.425 χ^2/NDF : 32.4/36

- sign 72.981 ± 439.349 χ^2/NDF : 15.3/18

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1383.931+/-0.773 χ^2/NDF : 317.0/1

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

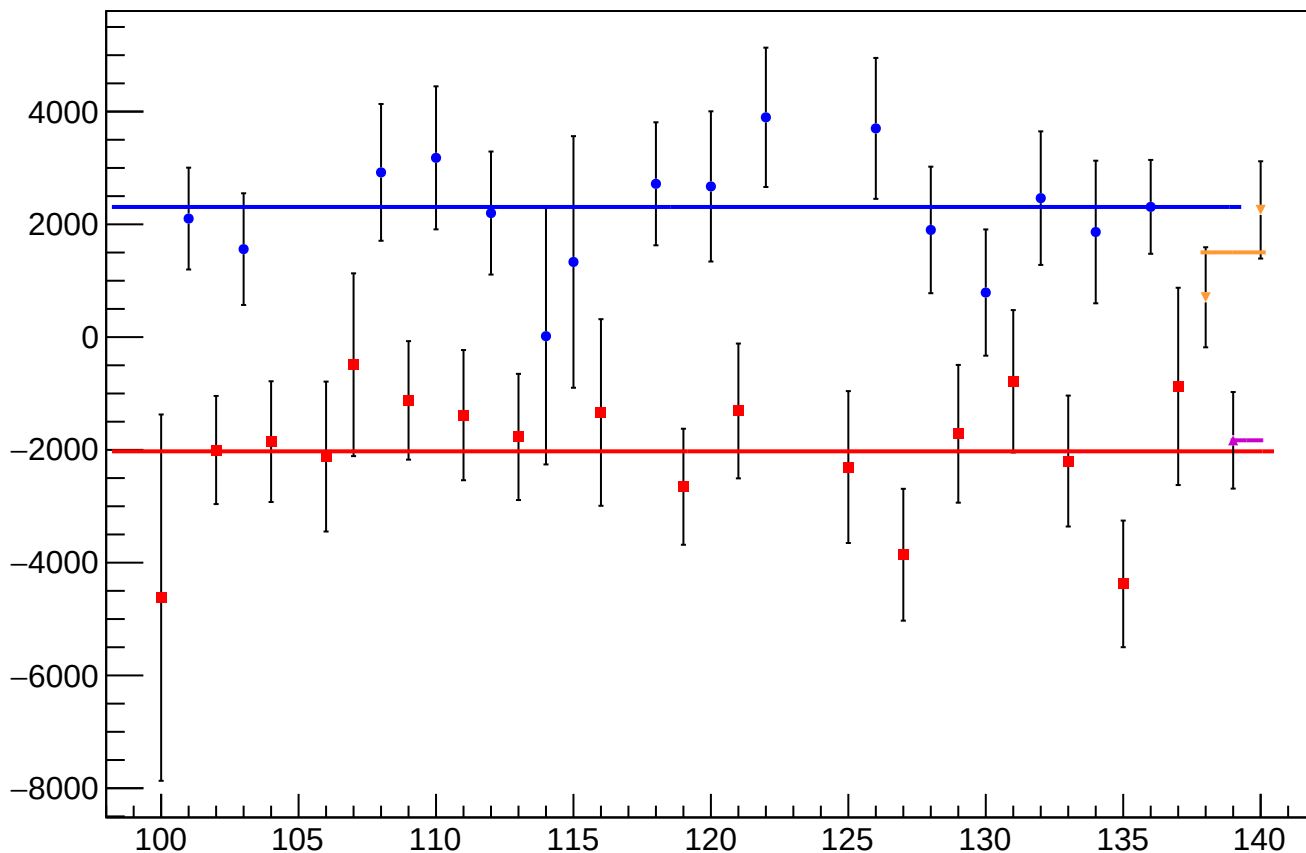
Left In: 1534.698+/-1.187 χ^2/NDF : 0.0/0

+ sign 1189.751+/-0.289 χ^2/NDF : 642806.6/17

All: 1210.501+/-0.212 χ^2/NDF : 1120514.2/30

- sign 1234.427+/-0.311 χ^2/NDF : 466632.8/18

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2308.155 $\pm$ 290.431 χ^2 /NDF: 7.8/15

Left Out: 1502.951 $\pm$ 618.540 χ^2 /NDF:1.6/1

Right Out: -2025.627 $\pm$ 289.797 χ^2 /NDF: 11.9/17

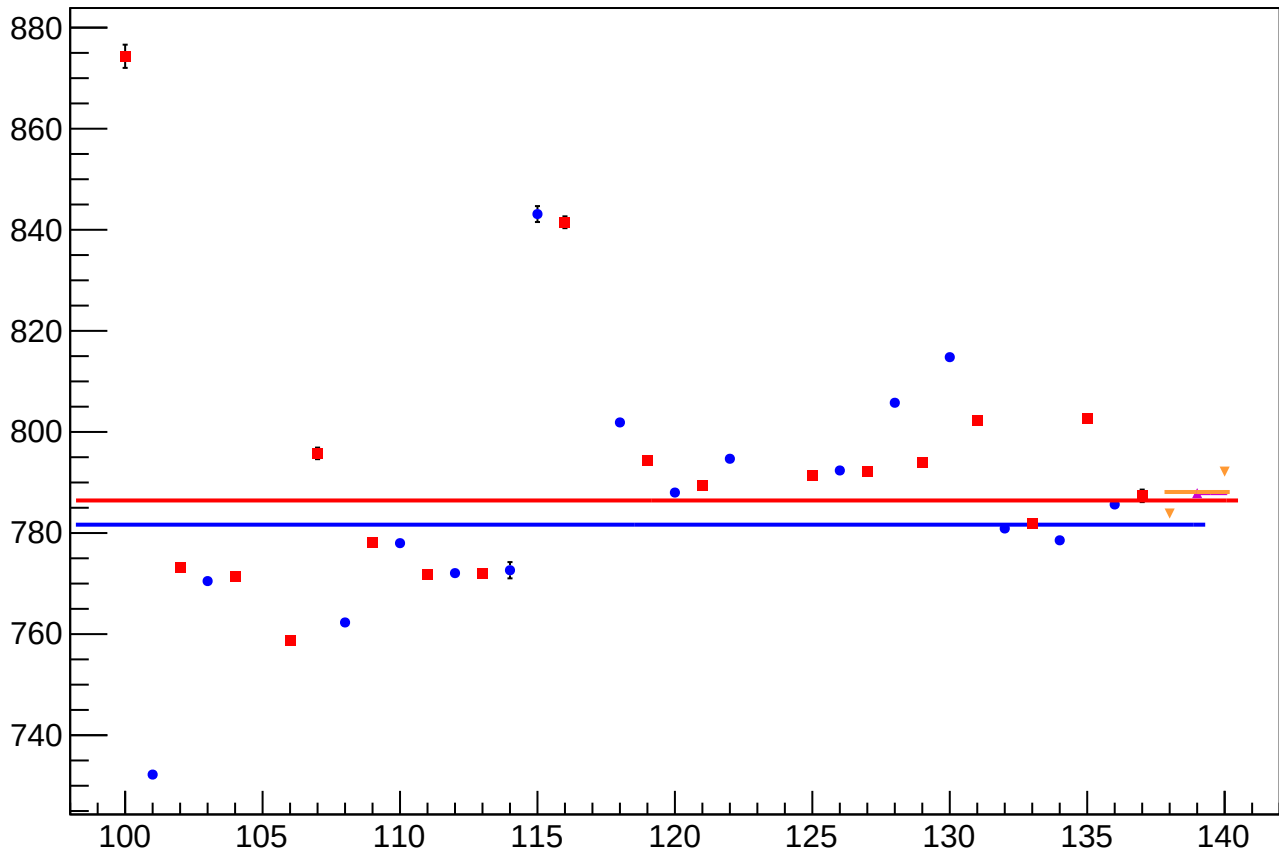
Left In: -1830.287 $\pm$ 856.539 χ^2 /NDF:0.0/0

+ sign 2162.699 $\pm$ 262.893 χ^2 /NDF: 10.7/17

All: 168.636 $\pm$ 189.868 χ^2 /NDF: 143.0/36

- sign -2005.563 $\pm$ 274.511 χ^2 /NDF: 12.0/18

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.654 ± 0.205 $\chi^2/\text{NDF}: 12319.0/15$

Left Out: 788.121 ± 0.437 $\chi^2/\text{NDF}: 89.8/1$

Right Out: 786.443 ± 0.205 $\chi^2/\text{NDF}: 7201.6/17$

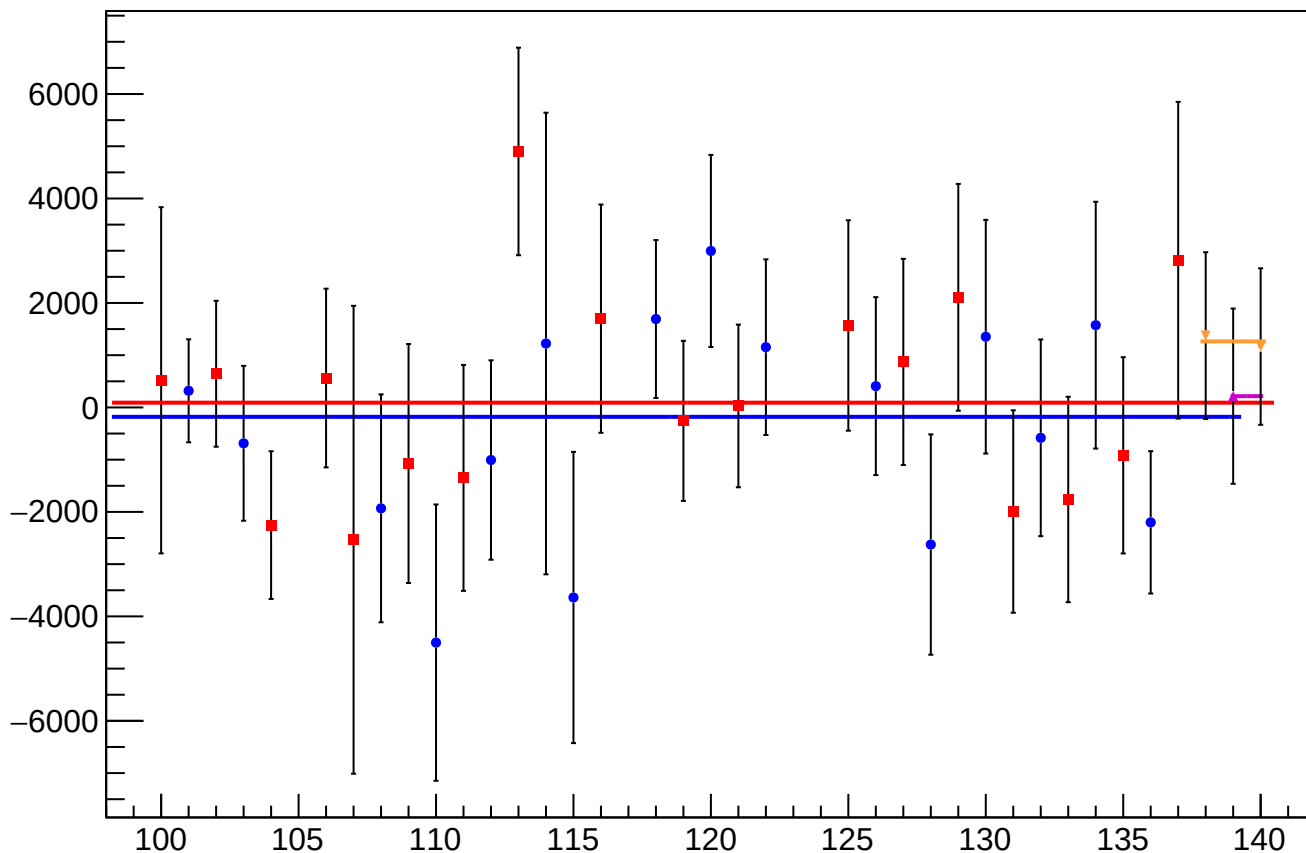
Left In: 787.893 ± 0.606 $\chi^2/\text{NDF}: 0.0/0$

+ sign 782.822 ± 0.186 $\chi^2/\text{NDF}: 12588.0/17$

All: 784.626 ± 0.134 $\chi^2/\text{NDF}: 19991.4/36$

- sign 786.592 ± 0.194 $\chi^2/\text{NDF}: 7206.7/18$

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: 1263.987+/-1092.227 χ^2/NDF : 0.0/1

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

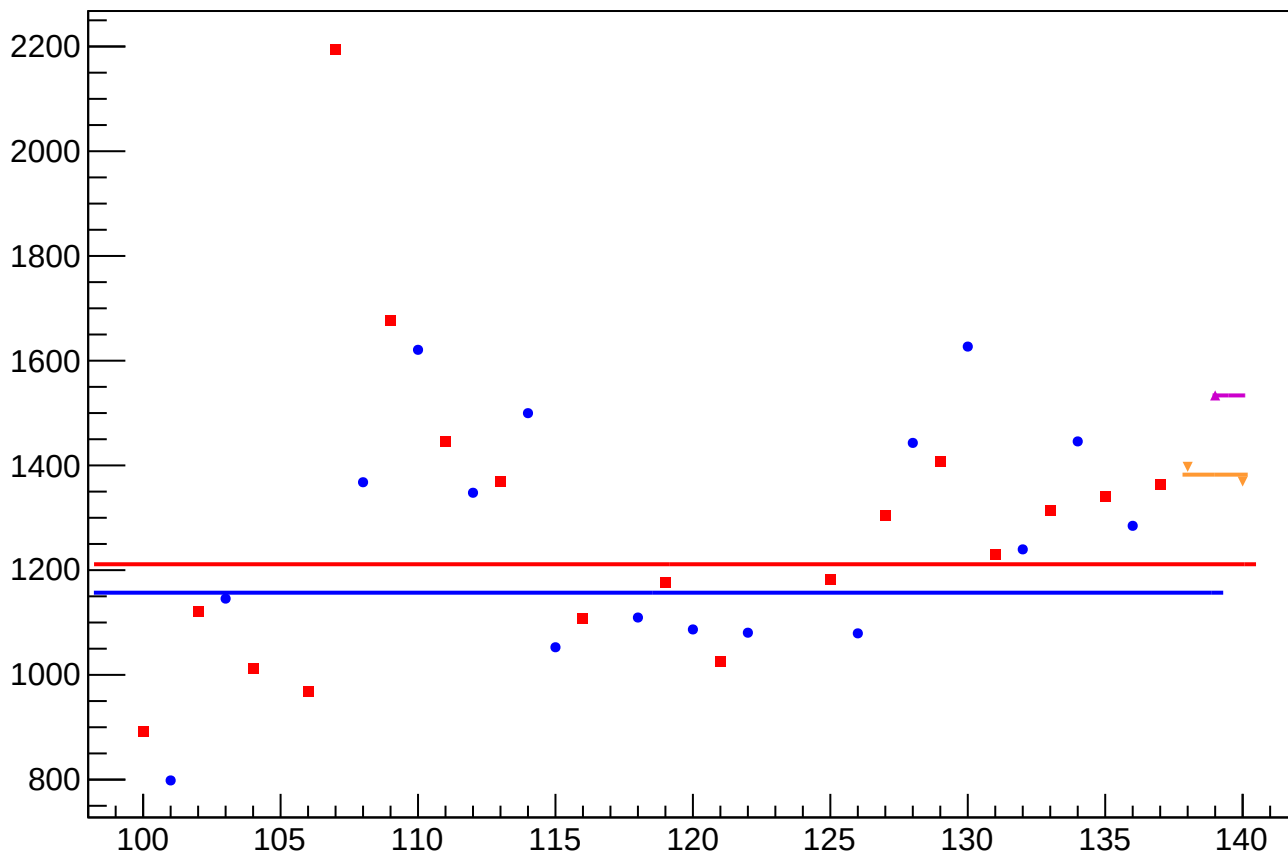
Left In: 215.739+/-1677.556 χ^2/NDF : 0.0/0

+ sign 22.288+/-408.743 χ^2/NDF : 16.9/17

All: 58.289+/-299.139 χ^2/NDF : 32.1/36

- sign 99.809+/-438.964 χ^2/NDF : 15.2/18

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948 $\pm$ 0.312 χ^2/NDF : 569119.8/15

Left Out: 1382.378 $\pm$ 0.772 χ^2/NDF : 327.4/1

Right Out: 1211.264 $\pm$ 0.322 χ^2/NDF : 397714.5/17

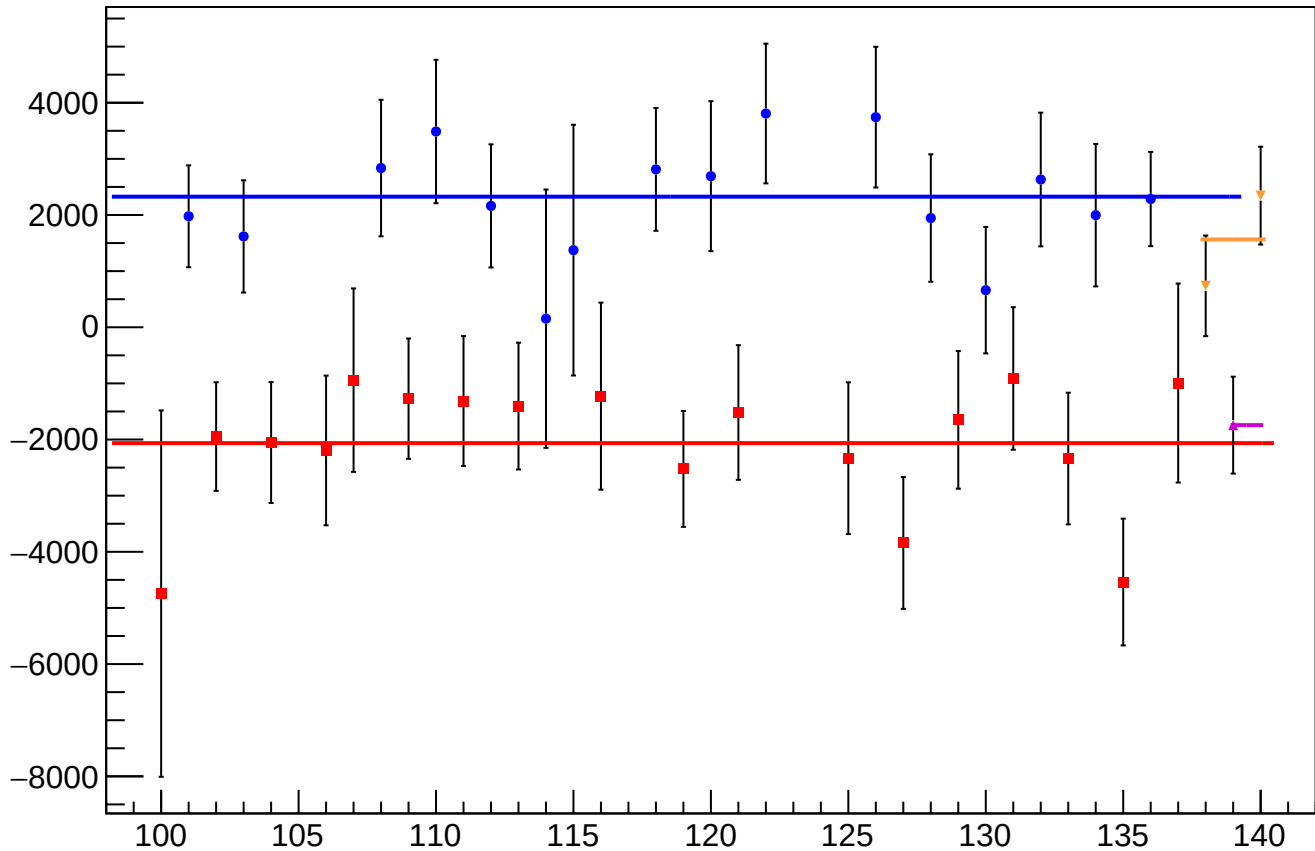
Left In: 1533.654 $\pm$ 1.186 χ^2/NDF : 0.0/0

+ sign 1188.519 $\pm$ 0.289 χ^2/NDF : 642713.3/17

All: 1209.333 $\pm$ 0.212 χ^2/NDF : 1120402.4/30

- sign 1233.338 $\pm$ 0.310 χ^2/NDF : 466522.0/18

dit_asym_us_avg_mean vs Slug



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

Left Out: 1564.494+/-624.769 χ^2/NDF : 1.7/1

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

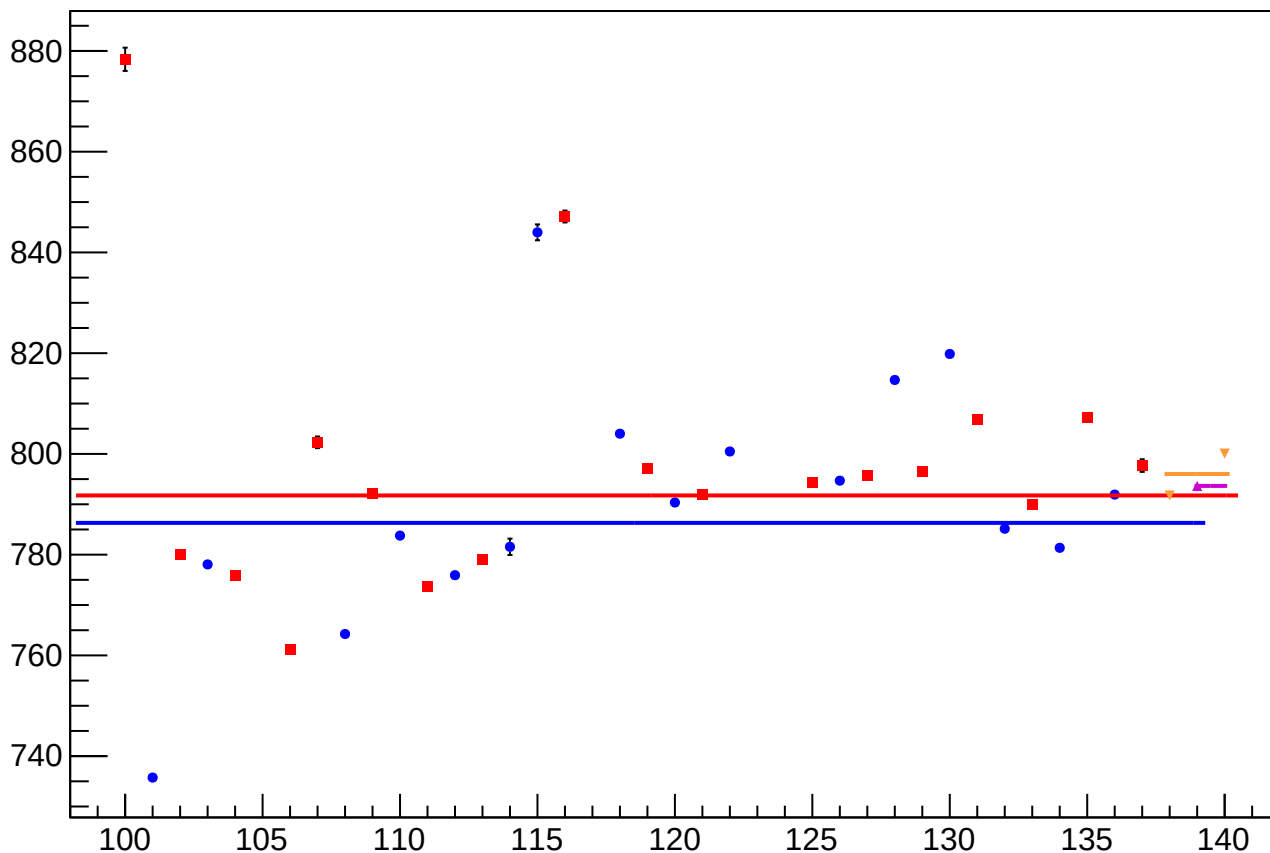
Left In: -1743.438+/-863.121 χ^2/NDF : 0.0/0

+ sign 2189.698+/-264.664 χ^2/NDF : 11.0/17

All: 170.969+/-191.167 χ^2/NDF : 144.4/36

- sign -2031.100+/-276.422 χ^2/NDF : 11.8/18

dit_asym_us_avg_rms vs Slug



Right In: 786.309 ± 0.207 $\chi^2/\text{NDF}: 12571.1/15$

Left Out: 796.016 ± 0.442 $\chi^2/\text{NDF}: 88.4/1$

Right Out: 791.756 ± 0.206 $\chi^2/\text{NDF}: 7015.1/17$

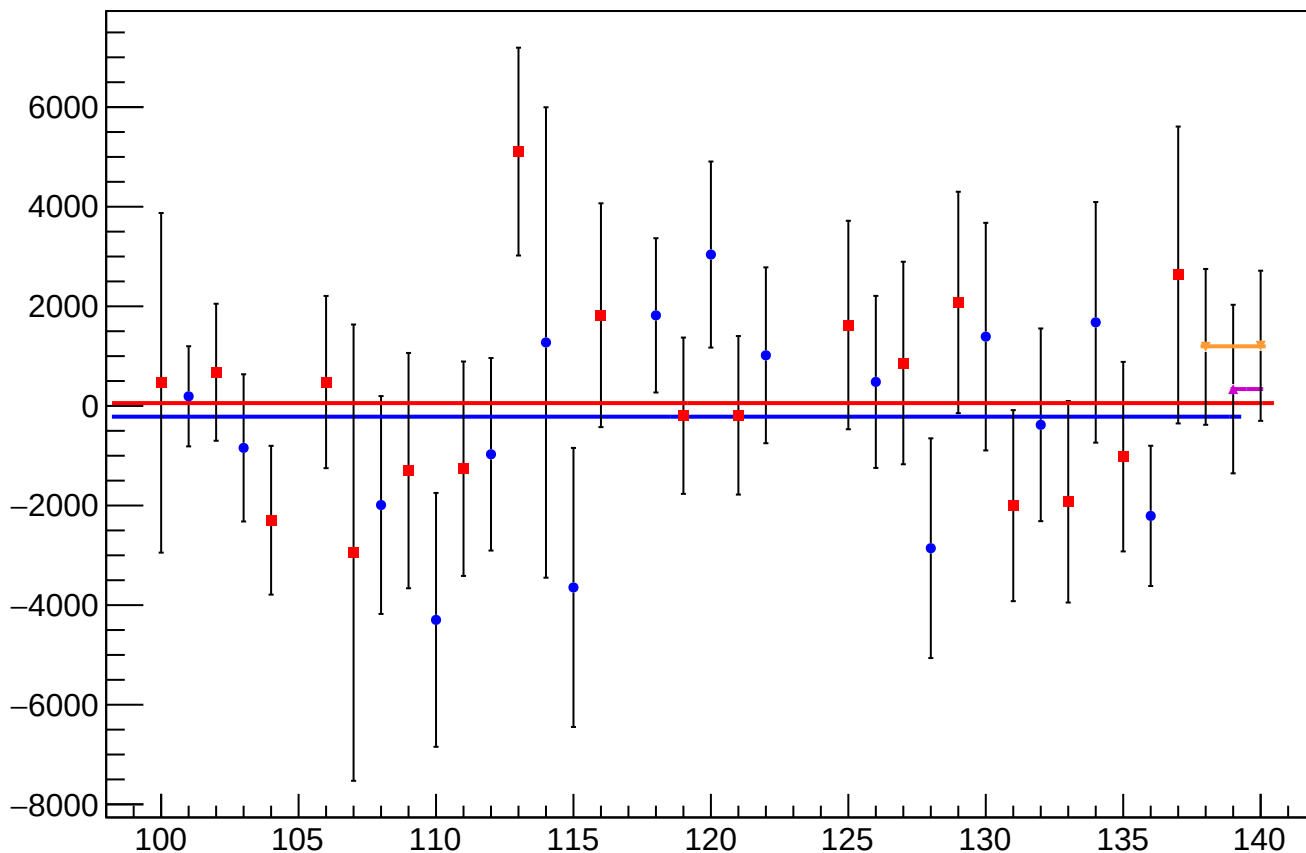
Left In: 793.649 ± 0.610 $\chi^2/\text{NDF}: 0.0/0$

+ sign 788.051 ± 0.187 $\chi^2/\text{NDF}: 13055.6/17$

All: 789.916 ± 0.135 $\chi^2/\text{NDF}: 20286.9/36$

- sign 791.950 ± 0.195 $\chi^2/\text{NDF}: 7023.7/18$

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: 1197.202 ± 1085.546 χ^2/NDF : 0.0/1

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

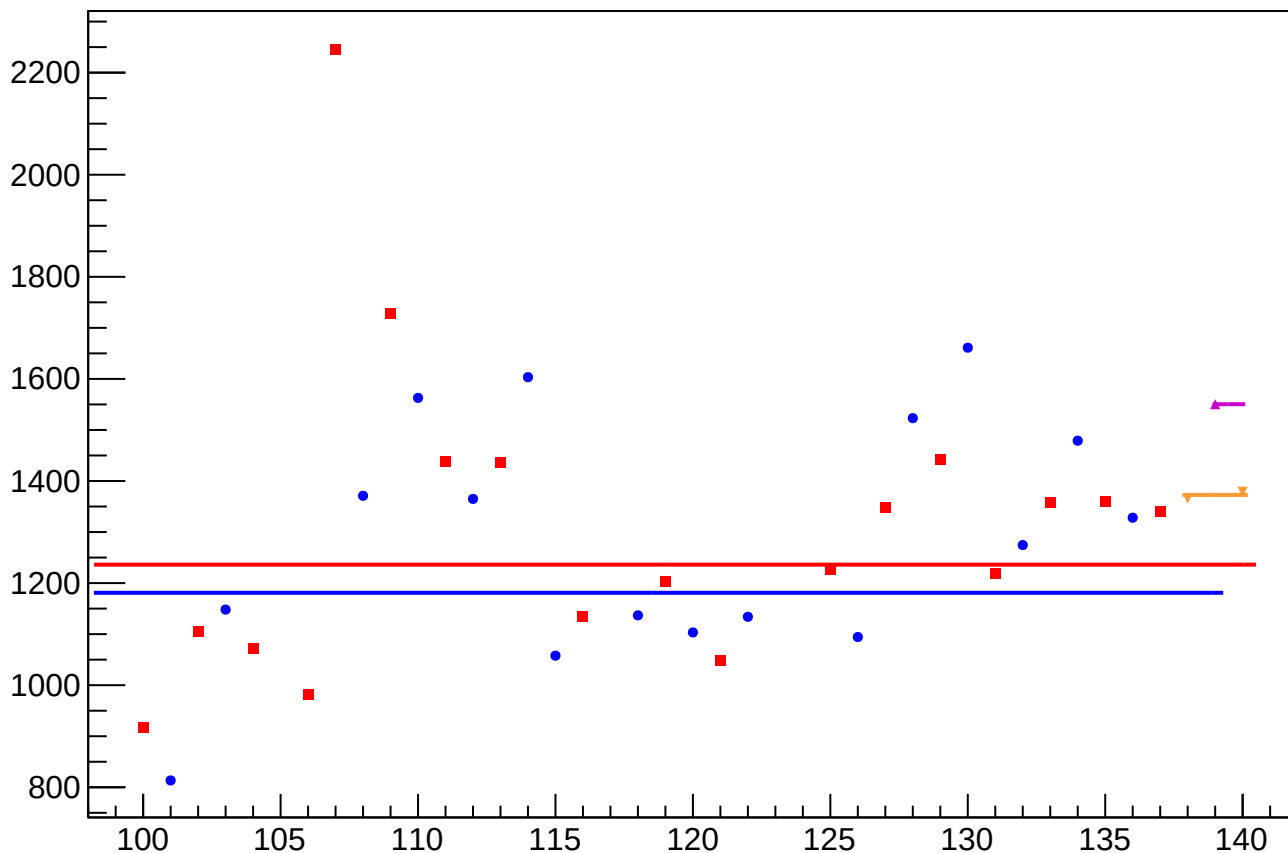
Left In: 338.540 ± 1692.257 χ^2/NDF : 0.0/0

+ sign -9.285 ± 415.333 χ^2/NDF : 16.7/17

All: 30.410 ± 304.411 χ^2/NDF : 31.9/36

- sign 76.484 ± 447.464 χ^2/NDF : 15.2/18

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1372.717+/-0.768 χ^2/NDF : 72.7/1

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

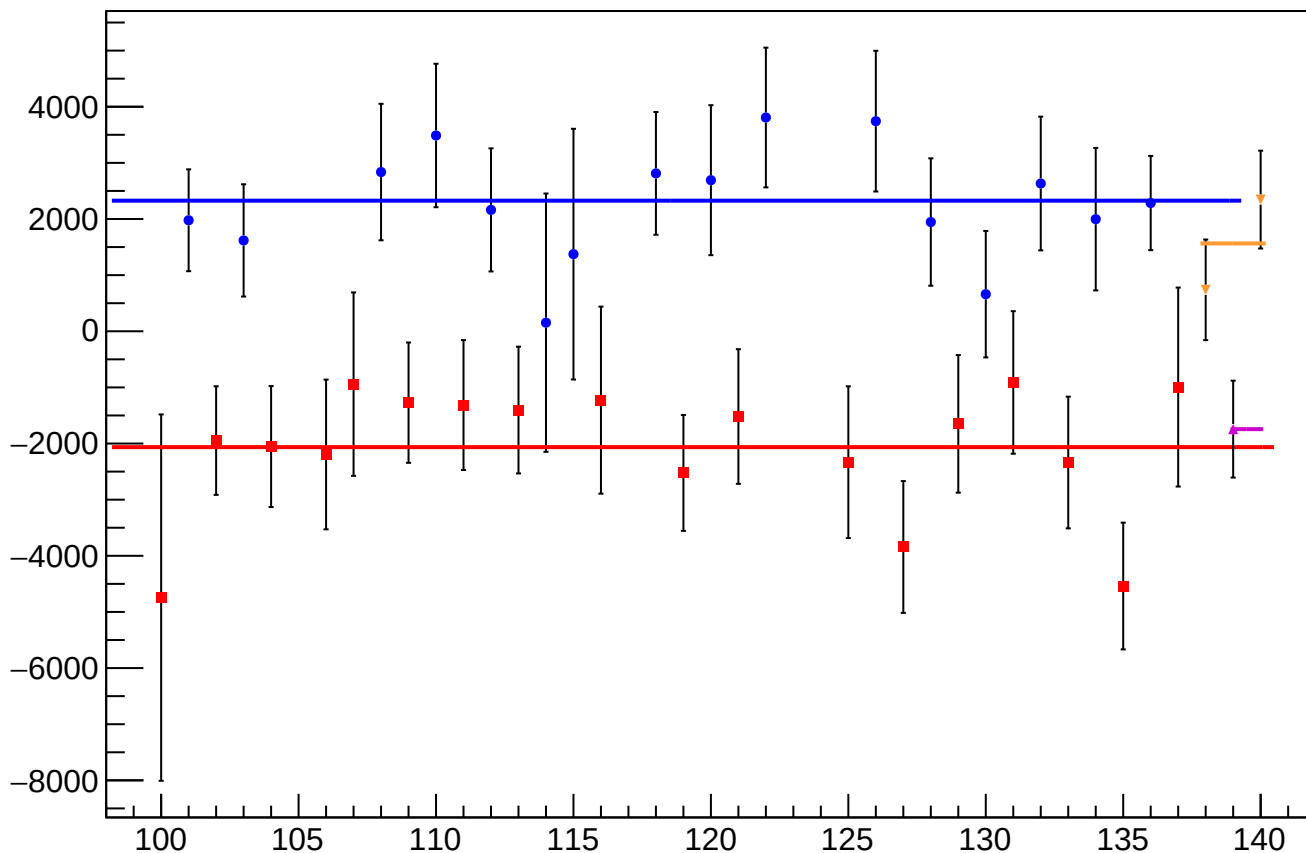
Left In: 1550.431+/-1.197 χ^2/NDF : 0.0/0

+ sign 1209.063+/-0.294 χ^2/NDF : 624431.5/17

All: 1231.762+/-0.215 χ^2/NDF : 1098746.7/30

- sign 1258.109+/-0.316 χ^2/NDF : 461407.3/18

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2326.429 $\pm$ 292.176 χ^2 /NDF: 8.1/15

Left Out: 1564.497 $\pm$ 624.769 χ^2 /NDF:1.7/1

Right Out: -2063.975 $\pm$ 291.790 χ^2 /NDF: 11.6/17

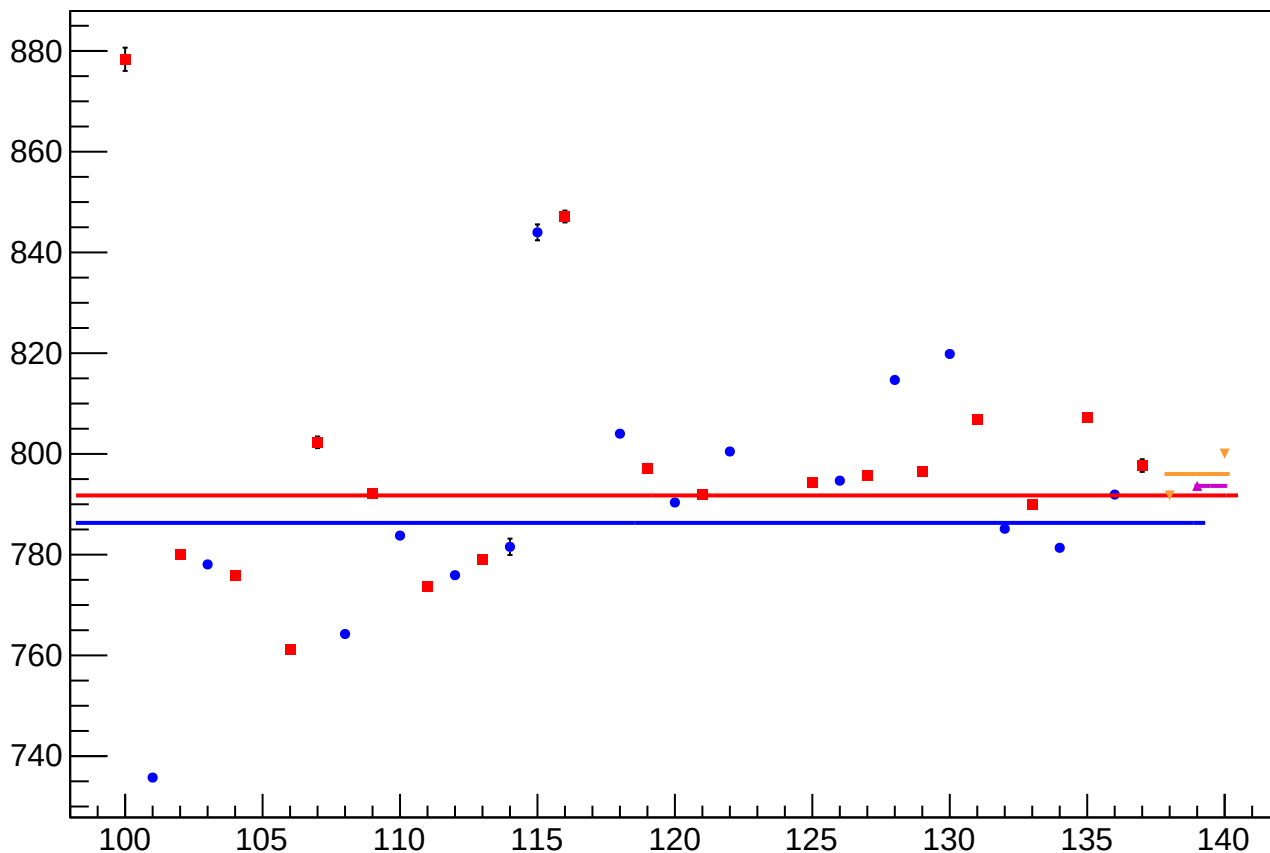
Left In: -1743.439 $\pm$ 863.121 χ^2 /NDF:0.0/0

+ sign 2189.698 $\pm$ 264.664 χ^2 /NDF: 11.0/17

All: 170.969 $\pm$ 191.167 χ^2 /NDF: 144.4/36

- sign -2031.099 $\pm$ 276.422 χ^2 /NDF: 11.8/18

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.309 $\pm$ 0.207 χ^2 /NDF: 12571.0/15

Left Out: 796.016 $\pm$ 0.442 χ^2 /NDF:88.4/1

Right Out: 791.756 $\pm$ 0.206 χ^2 /NDF: 7015.1/17

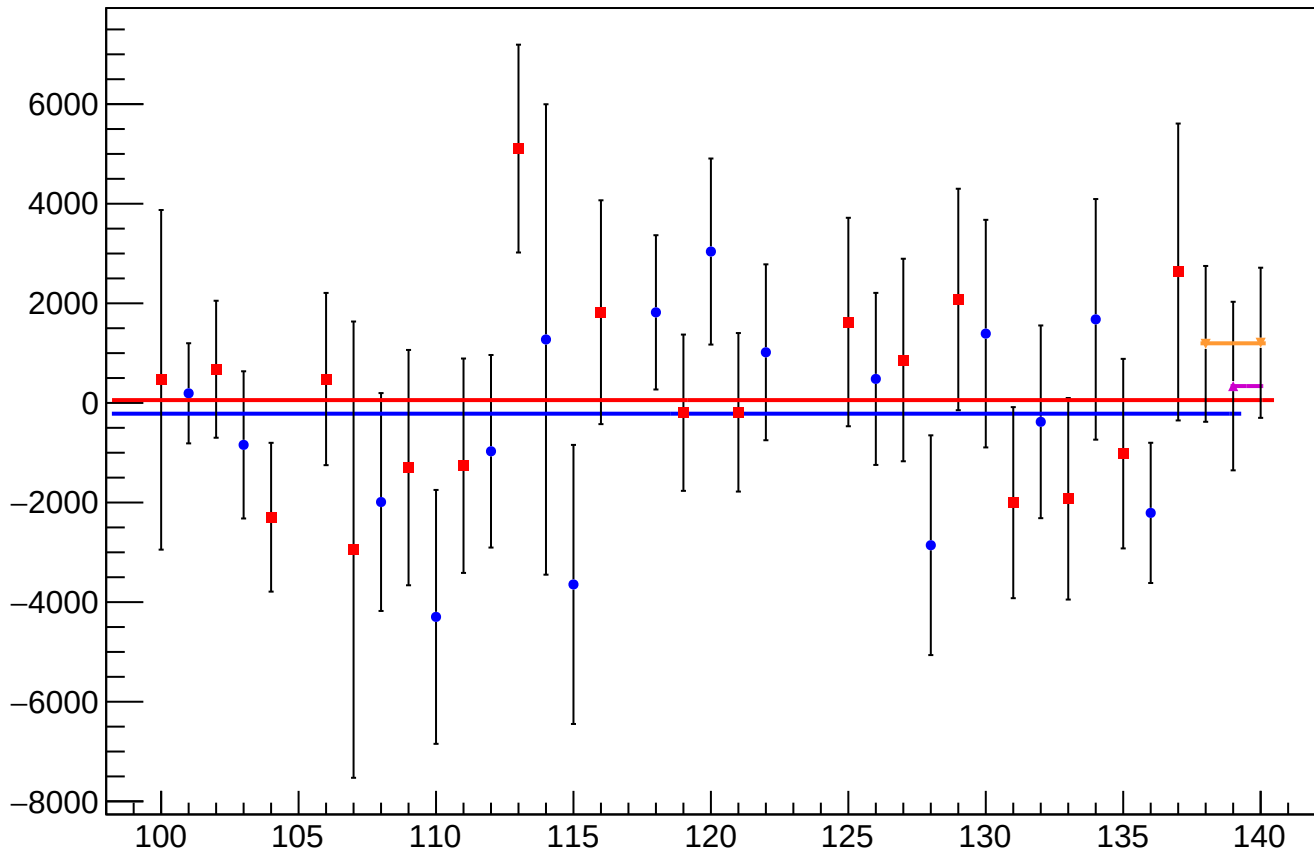
Left In: 793.649 $\pm$ 0.610 χ^2 /NDF:0.0/0

+ sign 788.051 $\pm$ 0.187 χ^2 /NDF: 13055.5/17

All: 789.916 $\pm$ 0.135 χ^2 /NDF: 20286.9/36

- sign 791.950 $\pm$ 0.195 χ^2 /NDF: 7023.7/18

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: 1197.205+/-1085.548 χ^2/NDF : 0.0/1

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

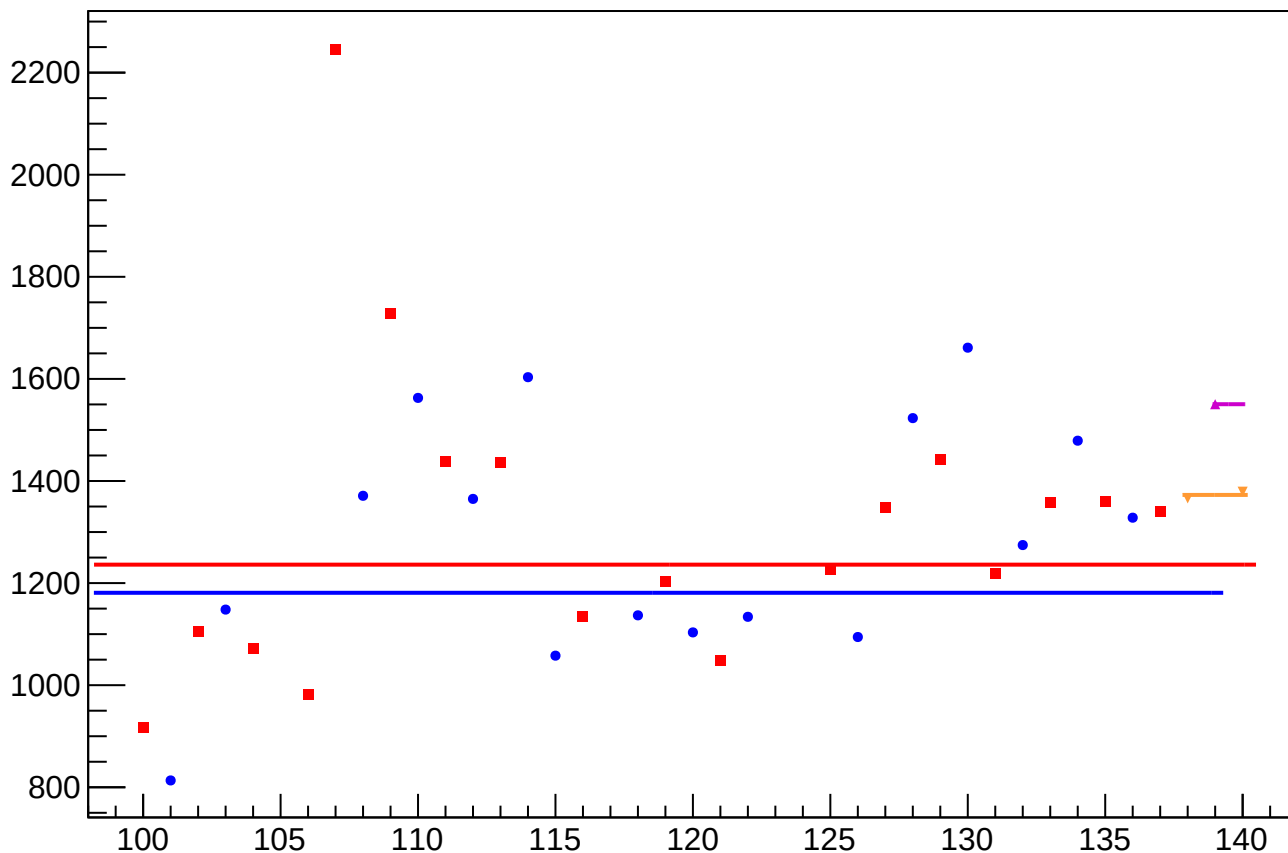
Left In: 338.540+/-1692.262 χ^2/NDF : 0.0/0

+ sign -9.286+/-415.332 χ^2/NDF : 16.7/17

All: 30.409+/-304.410 χ^2/NDF : 31.9/36

- sign 76.483+/-447.463 χ^2/NDF : 15.2/18

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1372.720+/-0.768 χ^2/NDF : 72.7/1

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

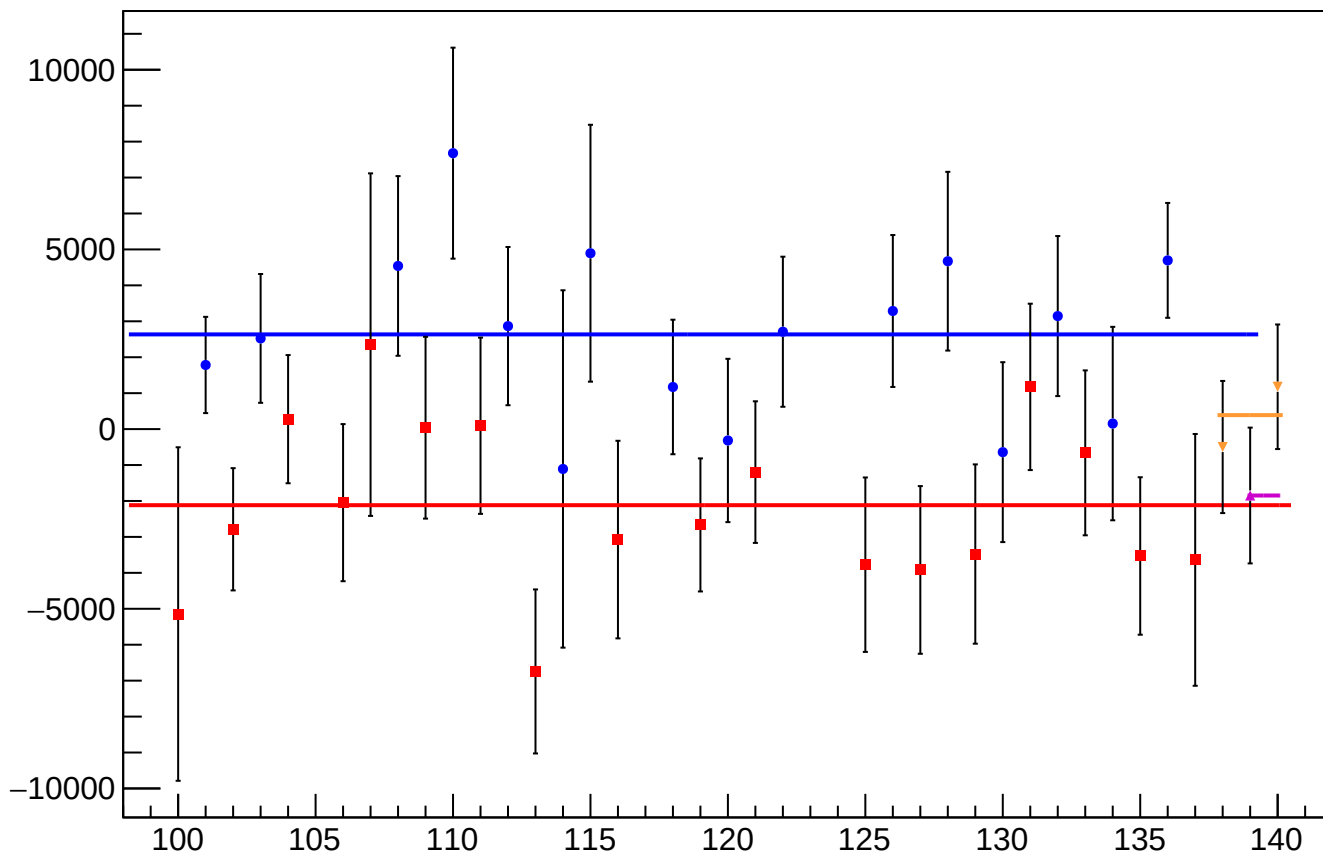
Left In: 1550.435+/-1.197 χ^2/NDF : 0.0/0

+ sign 1209.060+/-0.294 χ^2/NDF : 624432.6/17

All: 1231.759+/-0.215 χ^2/NDF : 1098748.6/30

- sign 1258.106+/-0.316 χ^2/NDF : 461408.5/18

asym_us_avg_mean vs Slug



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

Left Out: 389.274 ± 1261.201 χ^2/NDF : 0.4/1

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

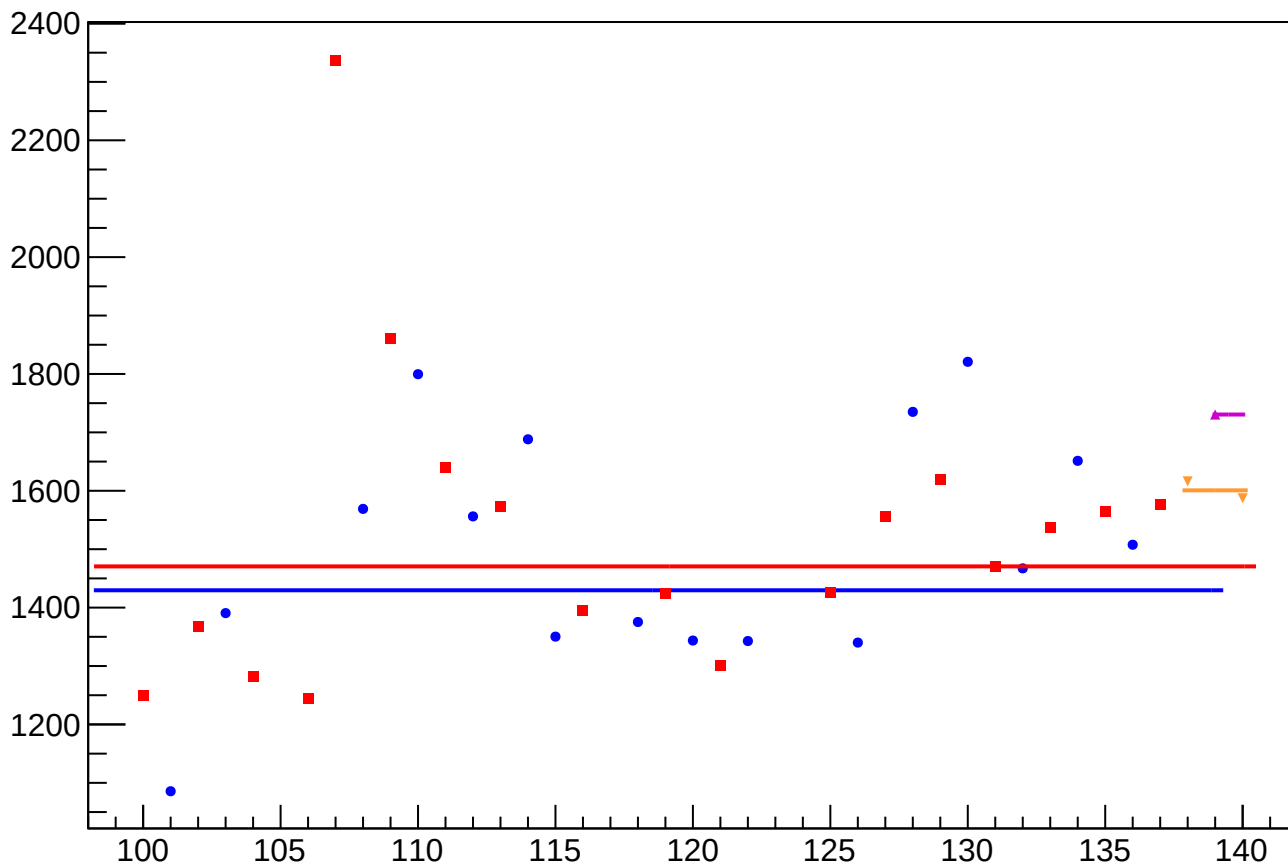
Left In: -1847.980 ± 1889.463 χ^2/NDF : 0.0/0

+ sign 2289.561 ± 494.883 χ^2/NDF : 15.4/17

All: 229.572 ± 360.387 χ^2/NDF : 66.0/36

- sign -2096.312 ± 525.853 χ^2/NDF : 13.7/18

asym_us_avg_rms vs Slug



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

Left Out: 1600.752+/-0.892 χ^2/NDF : 262.0/1

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

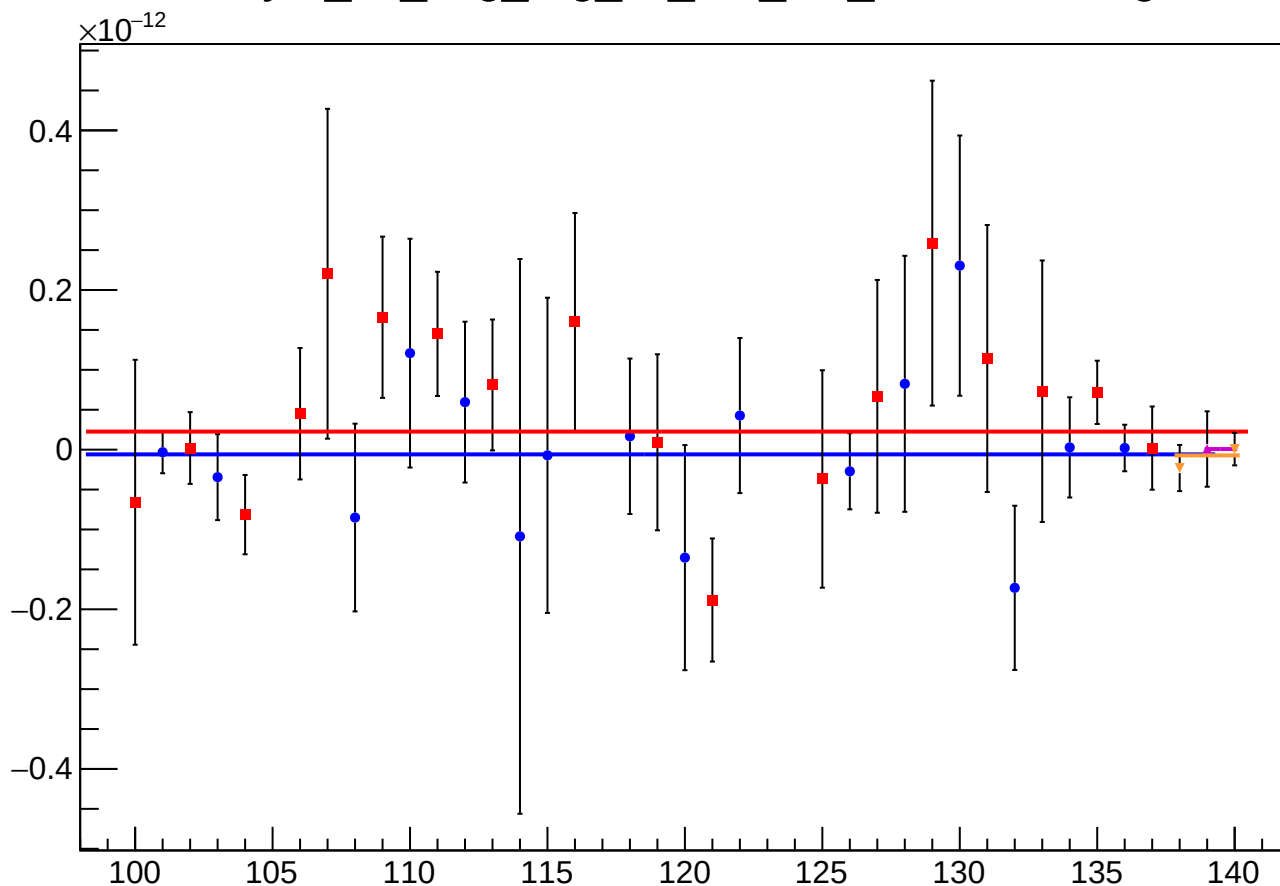
Left In: 1730.542+/-1.336 χ^2/NDF : 0.0/0

+ sign 1455.998+/-0.350 χ^2/NDF : 324791.8/17

All: 1472.298+/-0.255 χ^2/NDF : 582409.7/36

- sign 1490.702+/-0.372 χ^2/NDF : 252998.5/18

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.4/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.1/17

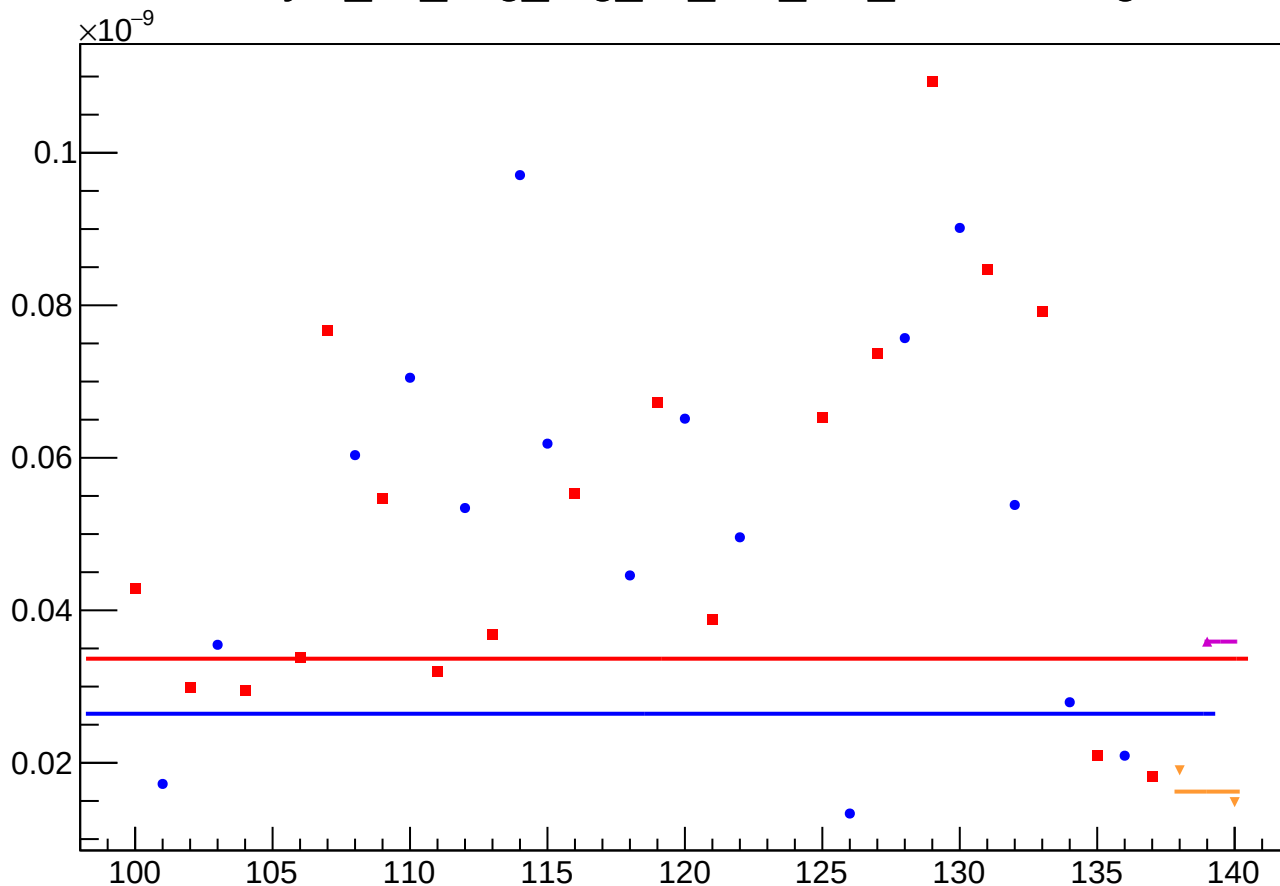
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 9.0/17

All: 0.000 ± 0.000 χ^2/NDF : 33.9/36

- sign 0.000 ± 0.000 χ^2/NDF : 23.2/18

asym_us_avg_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 27857.4/1

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

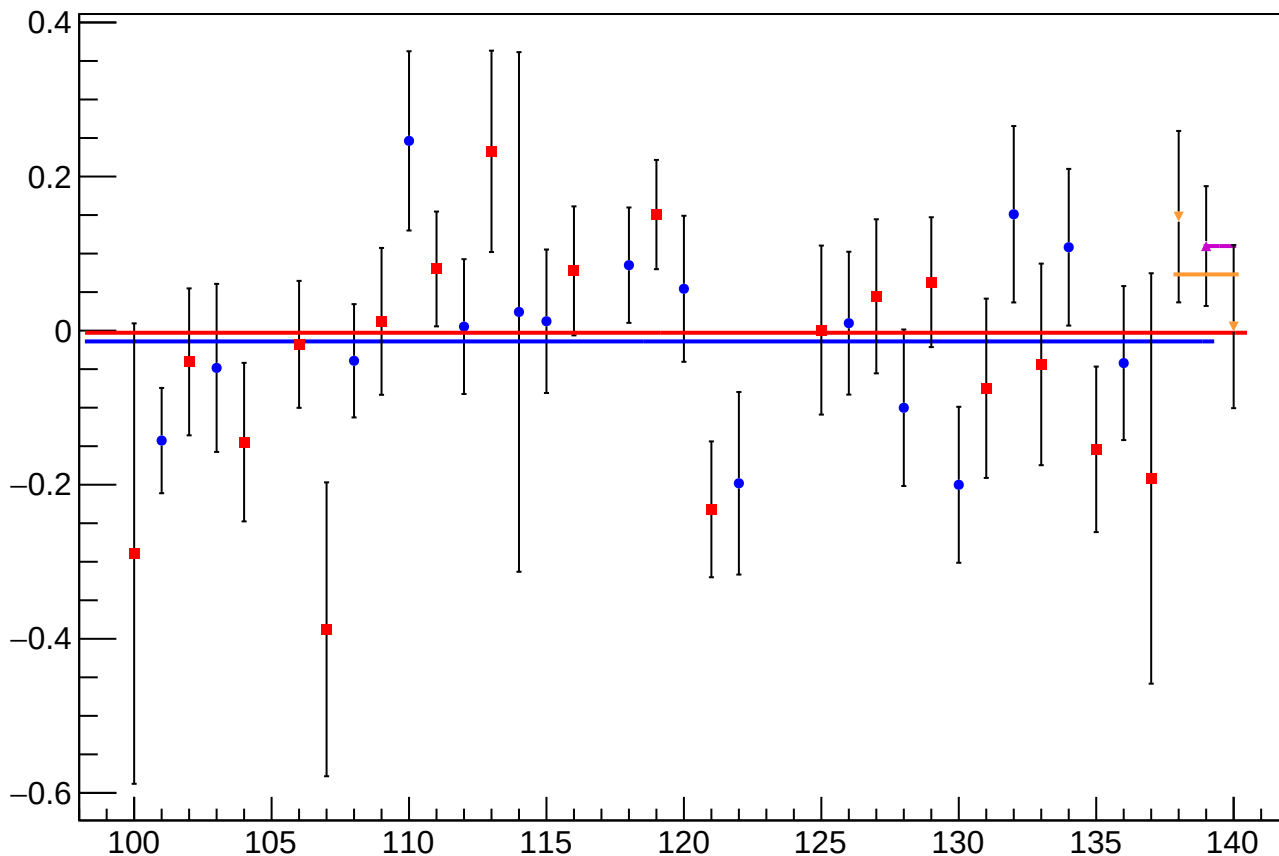
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2576647.8/17

All: 0.000+/-0.000 χ^2/NDF : 5003972.2/36

- sign 0.000+/-0.000 χ^2/NDF : 1715813.2/18

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.073 ± 0.077 χ^2/NDF : 0.9/1

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

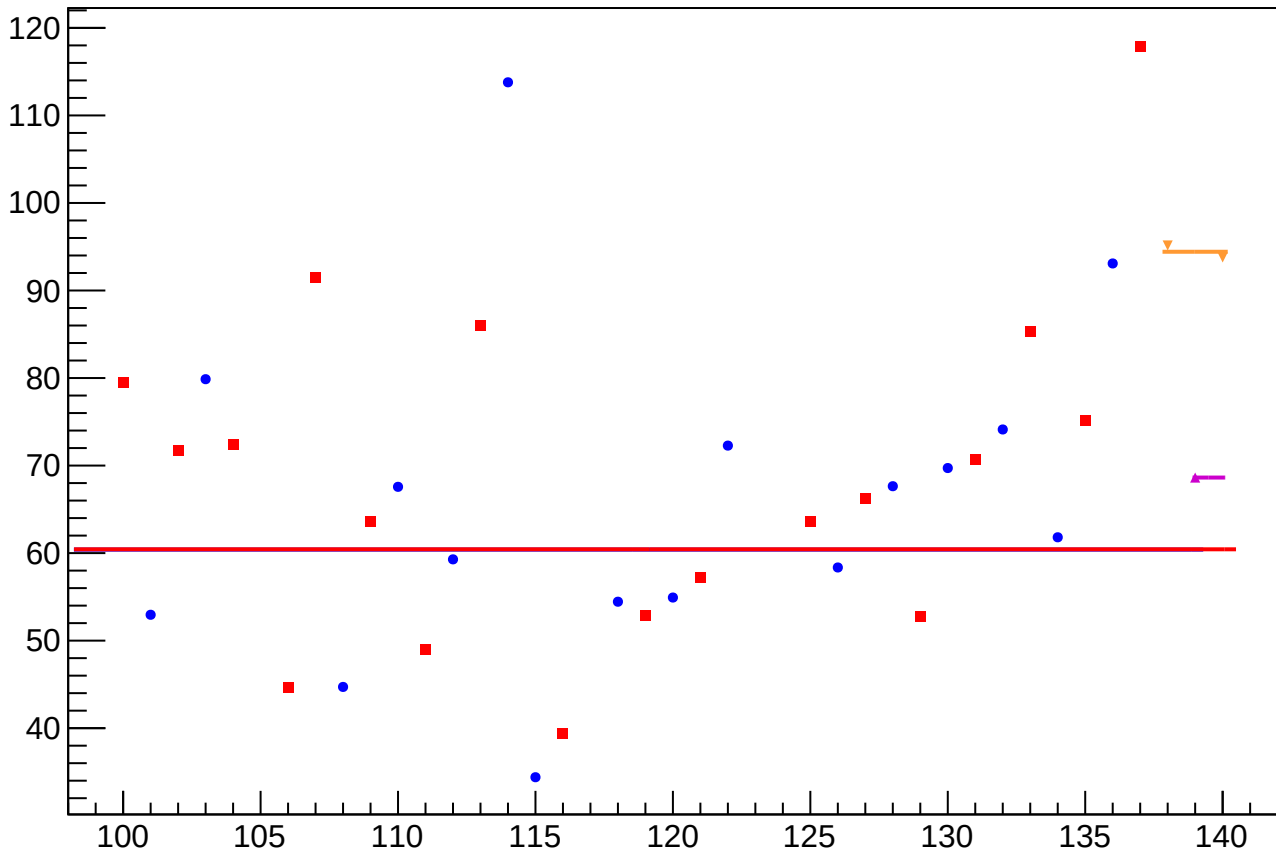
Left In: 0.110 ± 0.078 χ^2/NDF : 0.0/0

+ sign -0.006 ± 0.023 χ^2/NDF : 23.4/17

All: 0.000 ± 0.016 χ^2/NDF : 53.2/36

- sign 0.007 ± 0.023 χ^2/NDF : 29.7/18

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.399 $\pm$ 0.017 χ^2 /NDF: 703157.1/15

Left Out: 94.426 $\pm$ 0.054 χ^2 /NDF:159.0/1

Right Out: 60.434 $\pm$ 0.017 χ^2 /NDF: 711093.4/17

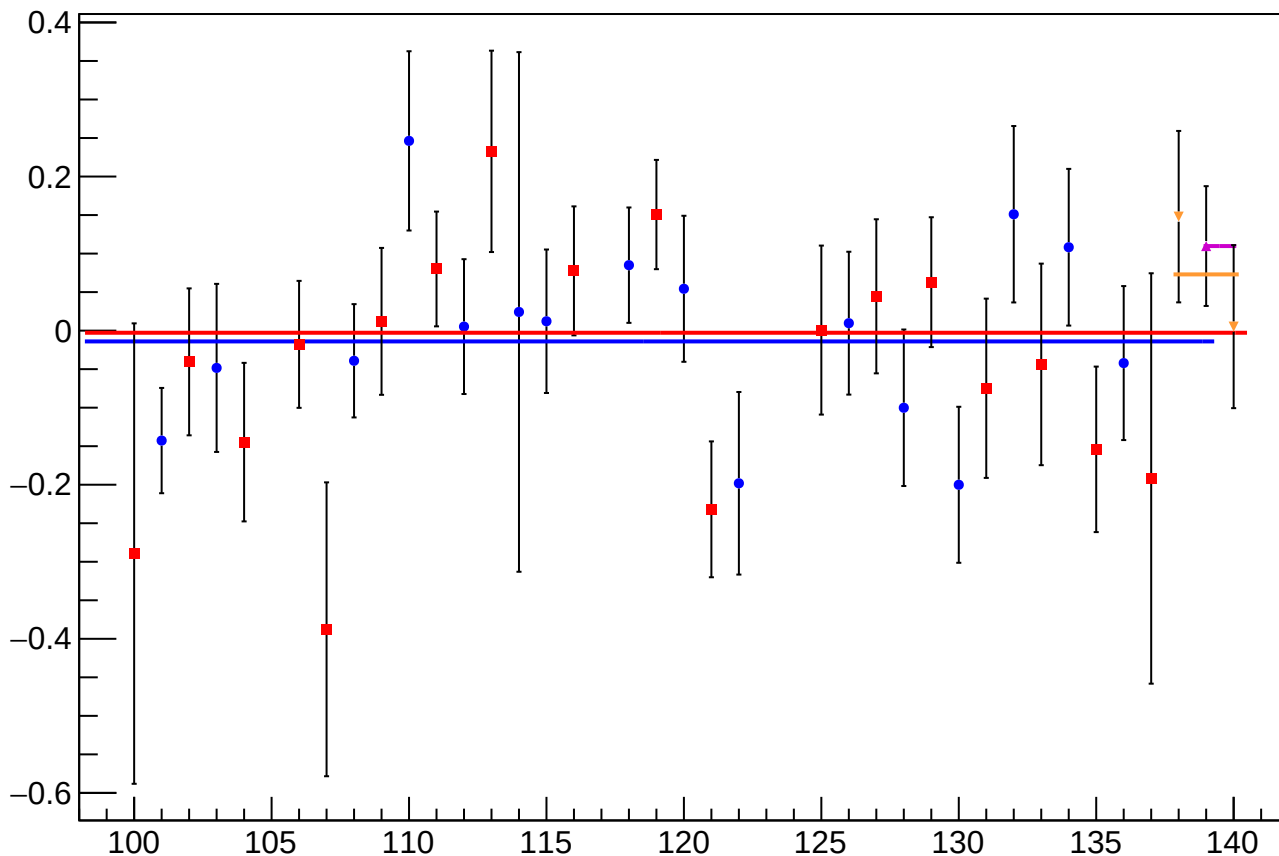
Left In: 68.630 $\pm$ 0.055 χ^2 /NDF:0.0/0

+ sign 63.403 $\pm$ 0.016 χ^2 /NDF: 1062421.2/17

All: 62.268 $\pm$ 0.011 χ^2 /NDF: 1803756.5/36

- sign 61.136 $\pm$ 0.016 χ^2 /NDF: 731417.0/18

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014 ± 0.024 $\chi^2/\text{NDF}: 21.4/15$

Left Out: 0.073 ± 0.077 $\chi^2/\text{NDF}: 0.9/1$

Right Out: -0.003 ± 0.024 $\chi^2/\text{NDF}: 27.8/17$

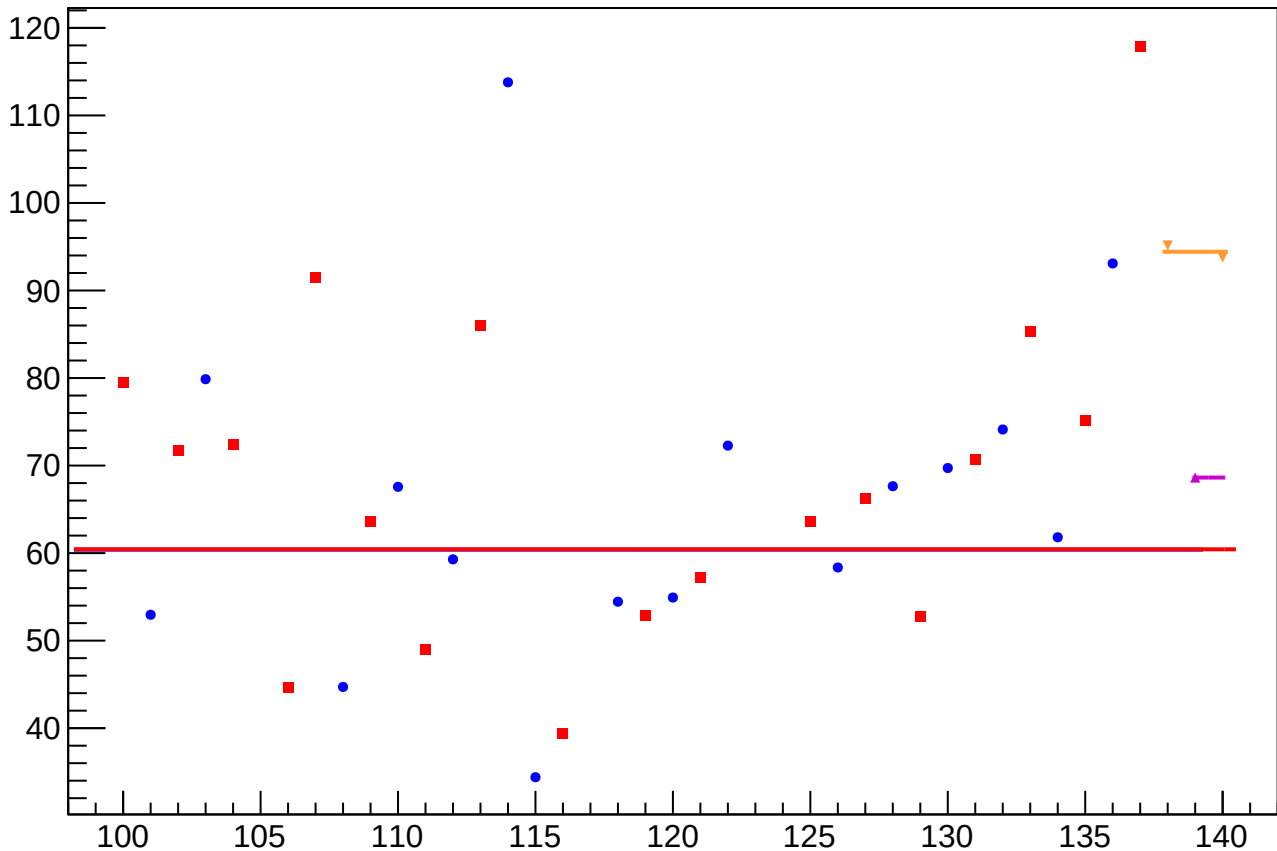
Left In: 0.110 ± 0.078 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.006 ± 0.023 $\chi^2/\text{NDF}: 23.4/17$

All: 0.000 ± 0.016 $\chi^2/\text{NDF}: 53.2/36$

- sign 0.007 ± 0.023 $\chi^2/\text{NDF}: 29.7/18$

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399 $\pm$ 0.017 χ^2 /NDF: 703157.1/15

Left Out: 94.426 $\pm$ 0.054 χ^2 /NDF:159.0/1

Right Out: 60.434 $\pm$ 0.017 χ^2 /NDF: 711093.4/17

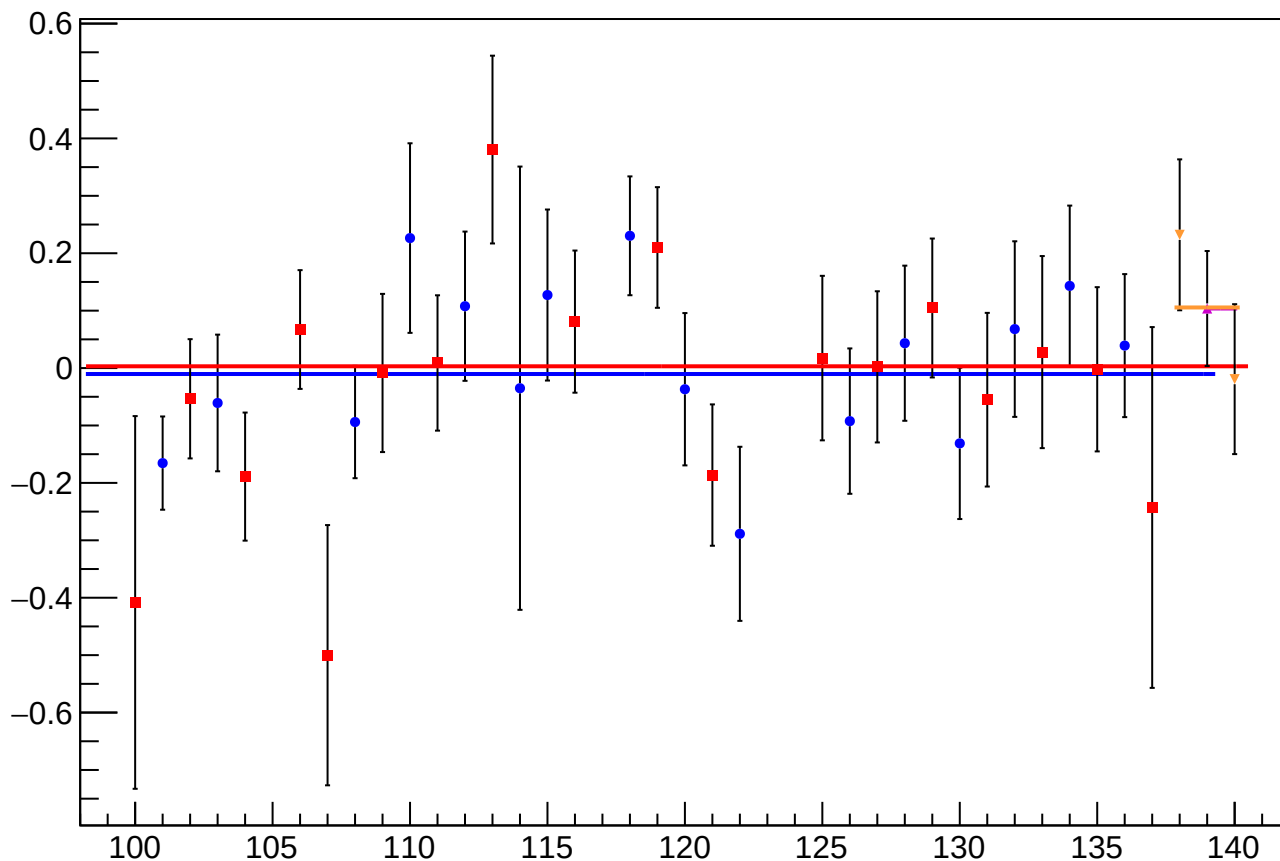
Left In: 68.630 $\pm$ 0.055 χ^2 /NDF:0.0/0

+ sign 63.403 $\pm$ 0.016 χ^2 /NDF: 1062421.2/17

All: 62.268 $\pm$ 0.011 χ^2 /NDF: 1803756.5/36

- sign 61.136 $\pm$ 0.016 χ^2 /NDF: 731417.0/18

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.106 ± 0.093 χ^2/NDF : 1.8/1

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

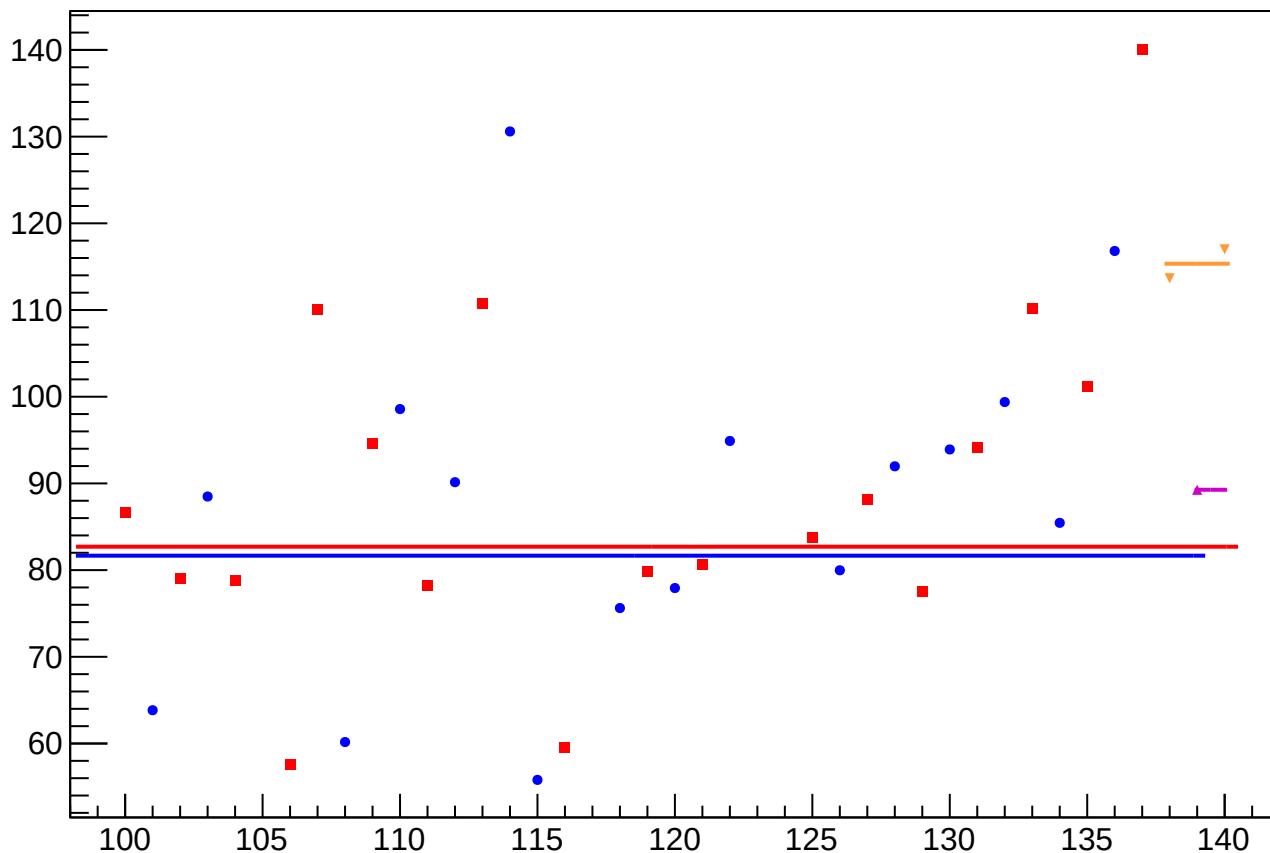
Left In: 0.104 ± 0.100 χ^2/NDF : 0.0/0

+ sign 0.002 ± 0.030 χ^2/NDF : 23.4/17

All: 0.007 ± 0.021 χ^2/NDF : 48.0/36

- sign 0.012 ± 0.030 χ^2/NDF : 24.6/18

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: 115.340+/-0.065 χ^2/NDF : 649.6/1

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

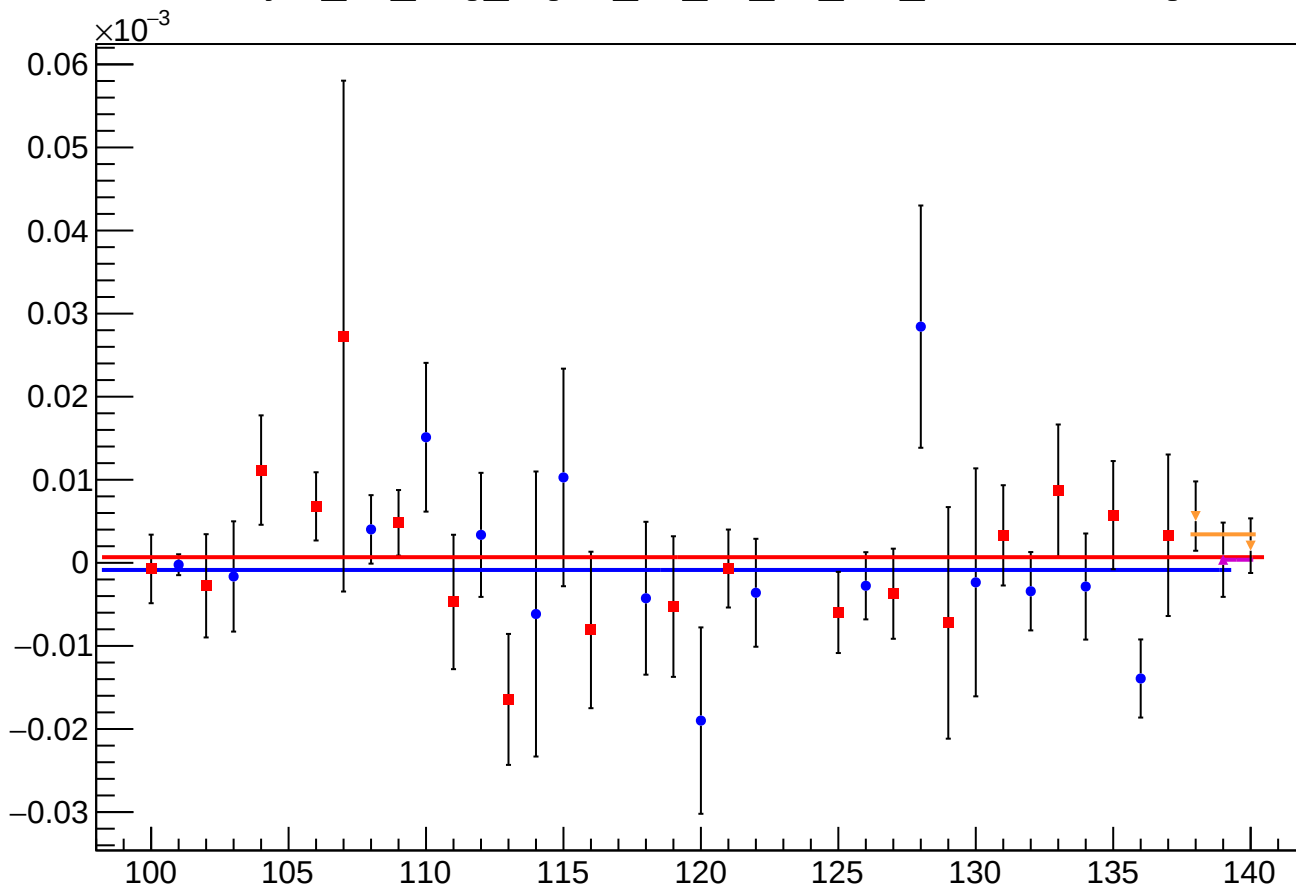
Left In: 89.268+/-0.071 χ^2/NDF : 0.0/0

+ sign 85.176+/-0.021 χ^2/NDF : 799315.2/17

All: 84.249+/-0.015 χ^2/NDF : 1284080.3/36

- sign 83.301+/-0.021 χ^2/NDF : 480879.4/18

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 : 0.4/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.3/17

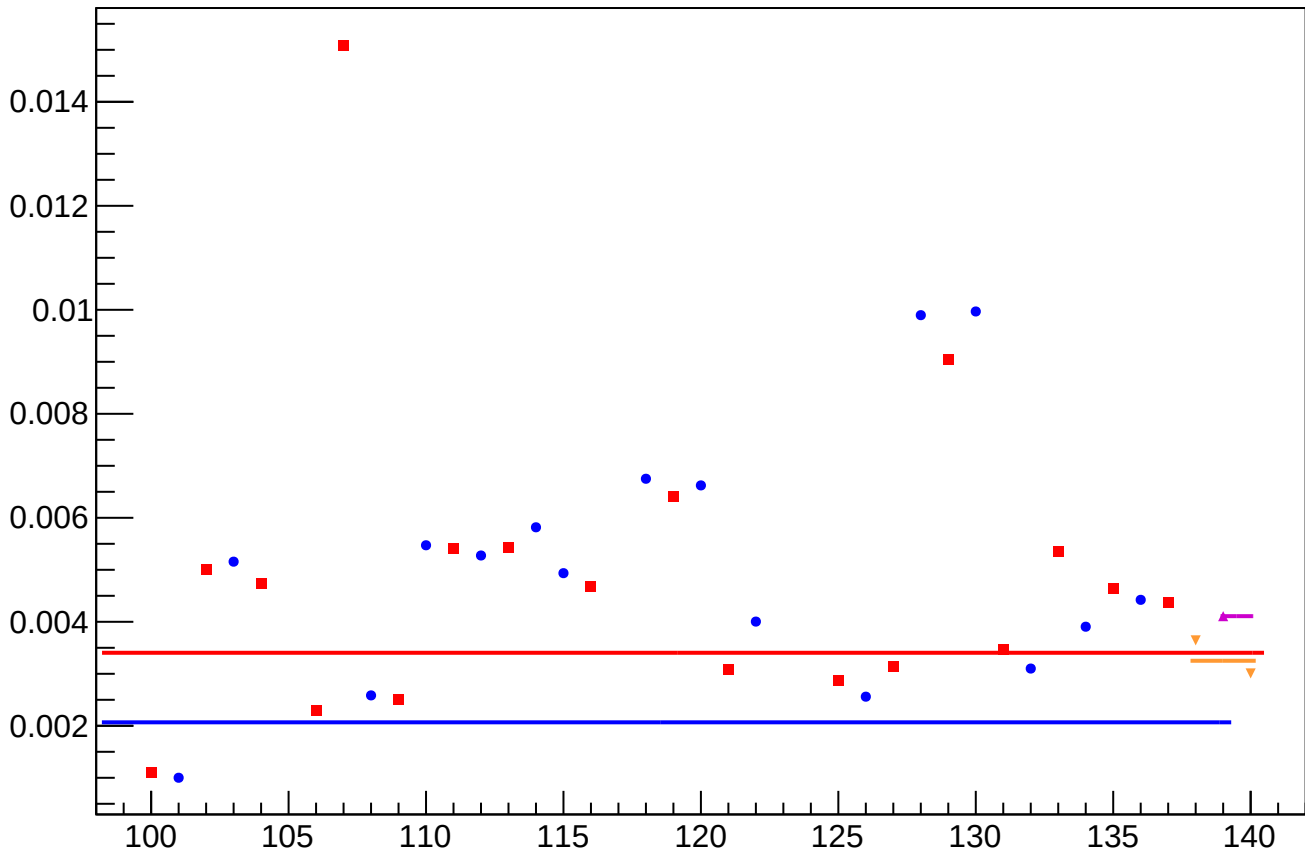
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 24.1/17

All: 0.000 ± 0.000 χ^2/NDF : 42.8/36

- sign 0.000 ± 0.000 χ^2/NDF : 18.3/18

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 : 28639.5/1

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

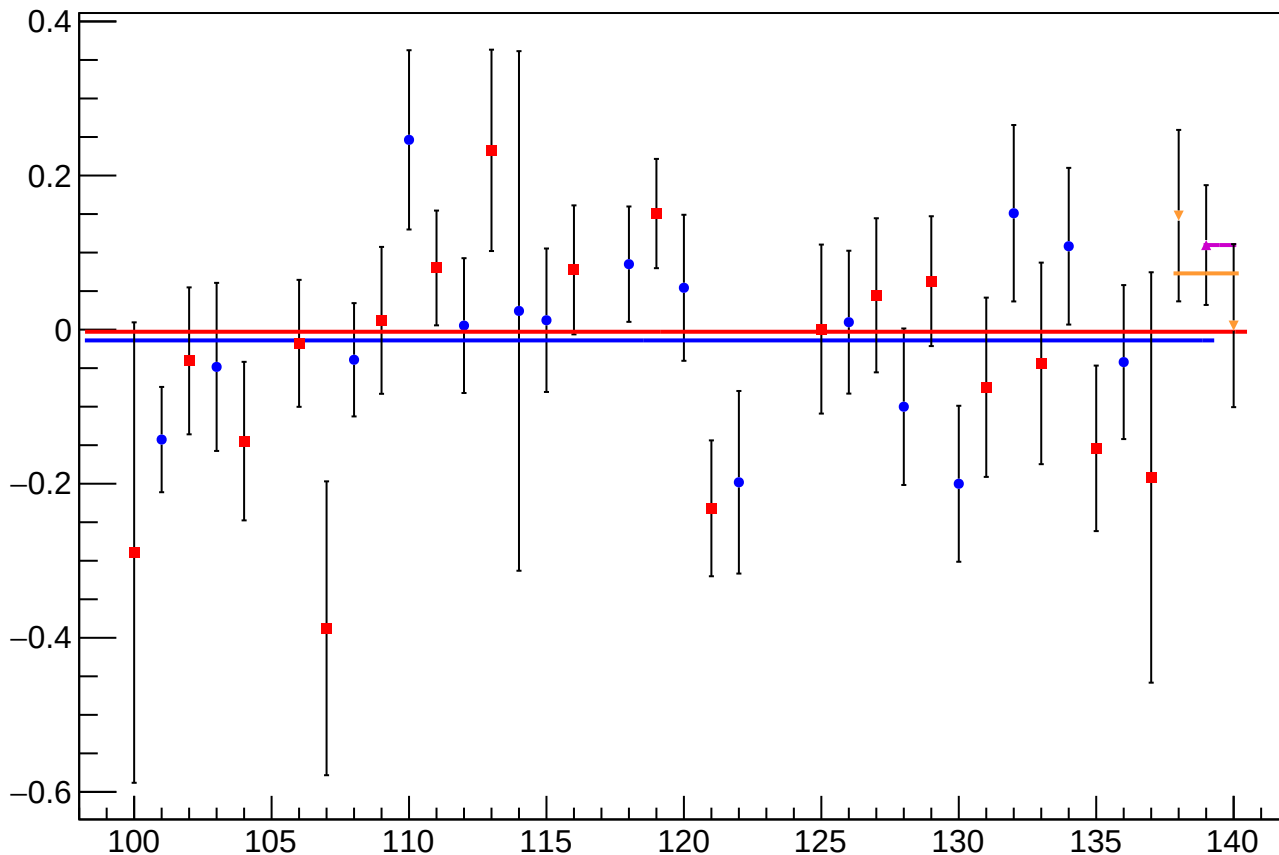
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 6206650.8/17

All: 0.003+/-0.000 χ^2/NDF : 9882339.1/36

- sign 0.003+/-0.000 χ^2/NDF : 2536355.9/18

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.073 ± 0.077 χ^2/NDF : 0.9/1

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

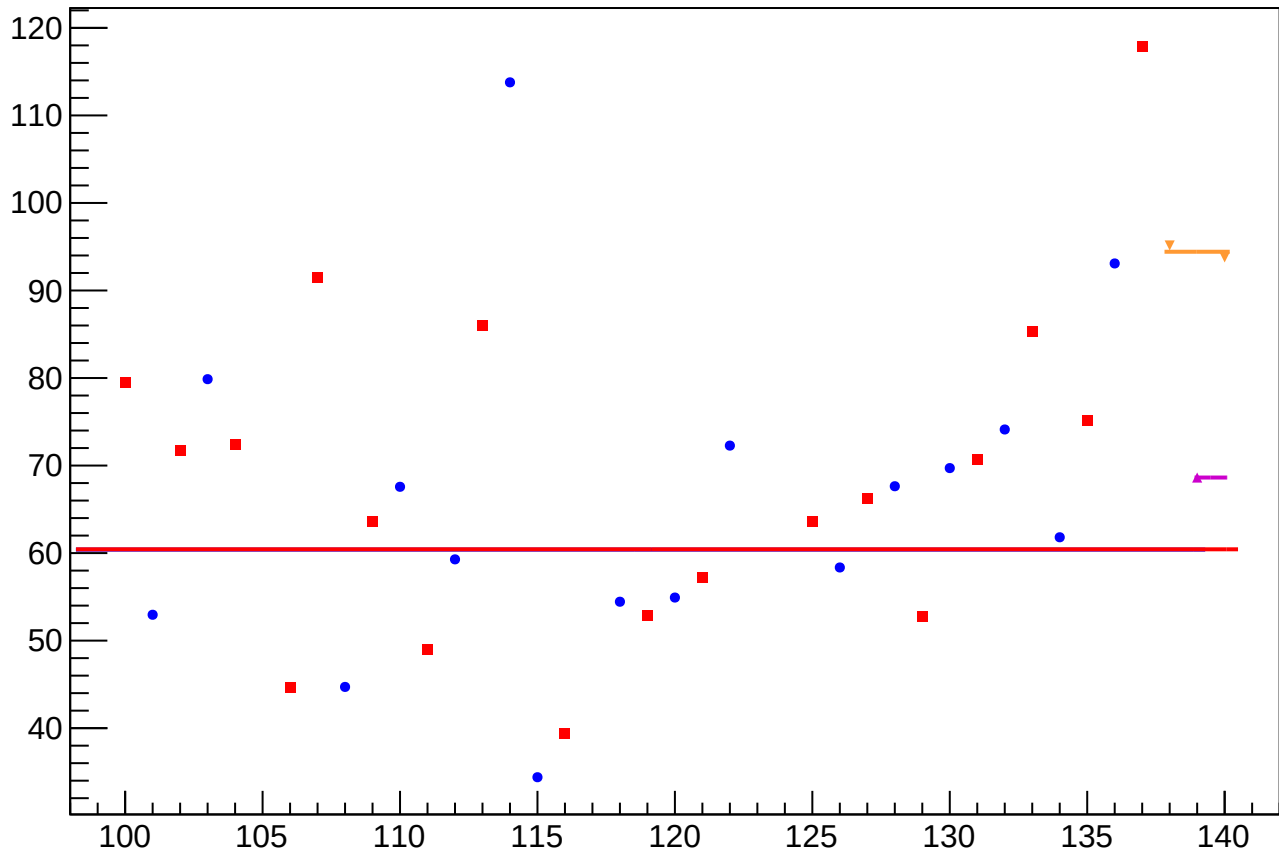
Left In: 0.110 ± 0.078 χ^2/NDF : 0.0/0

+ sign -0.006 ± 0.023 χ^2/NDF : 23.4/17

All: 0.000 ± 0.016 χ^2/NDF : 53.2/36

- sign 0.007 ± 0.023 χ^2/NDF : 29.7/18

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 94.426+/-0.054 χ^2/NDF :159.1/1

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

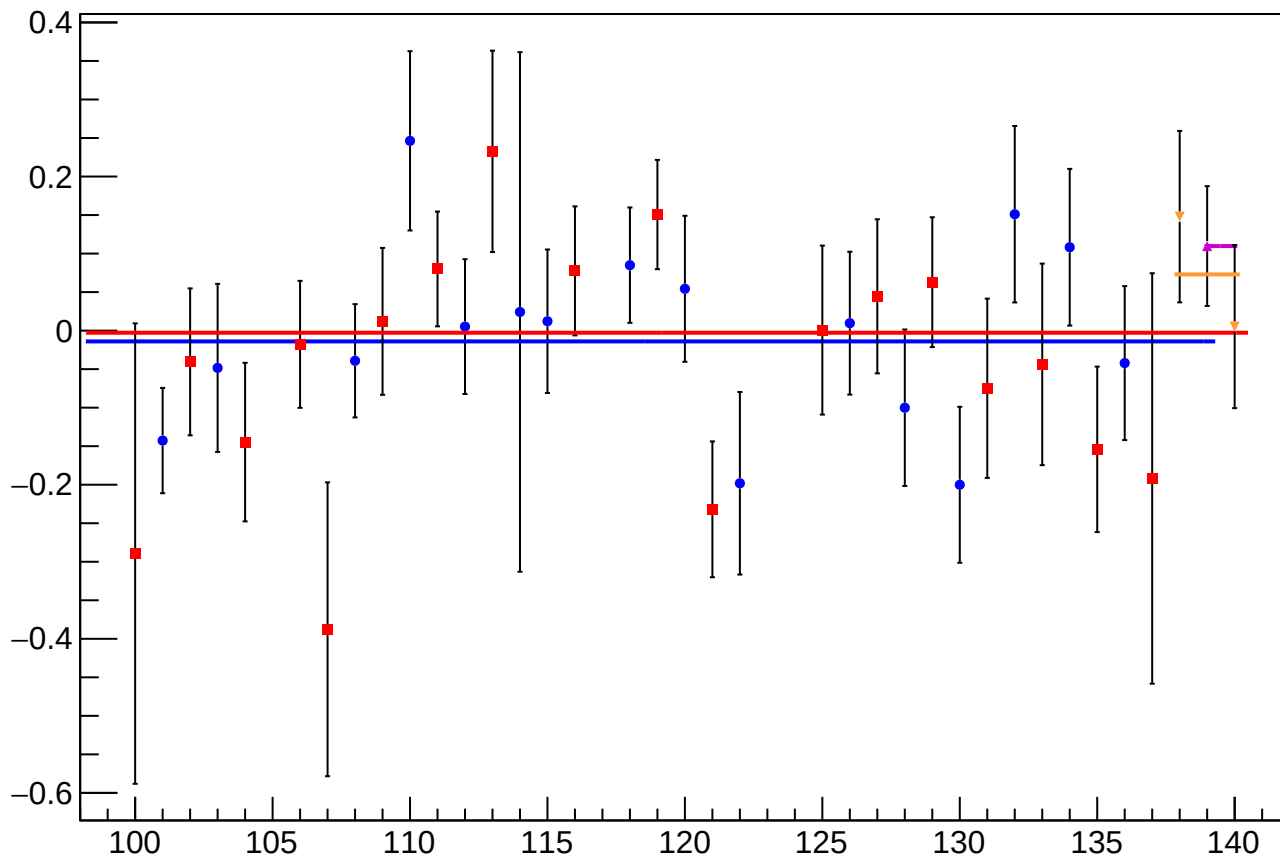
Left In: 68.631+/-0.055 χ^2/NDF :0.0/0

+ sign 63.402+/-0.016 χ^2/NDF : 1062465.6/17

All: 62.267+/-0.011 χ^2/NDF : 1803844.7/36

- sign 61.135+/-0.016 χ^2/NDF : 731459.4/18

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.073 ± 0.077 χ^2/NDF : 0.9/1

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

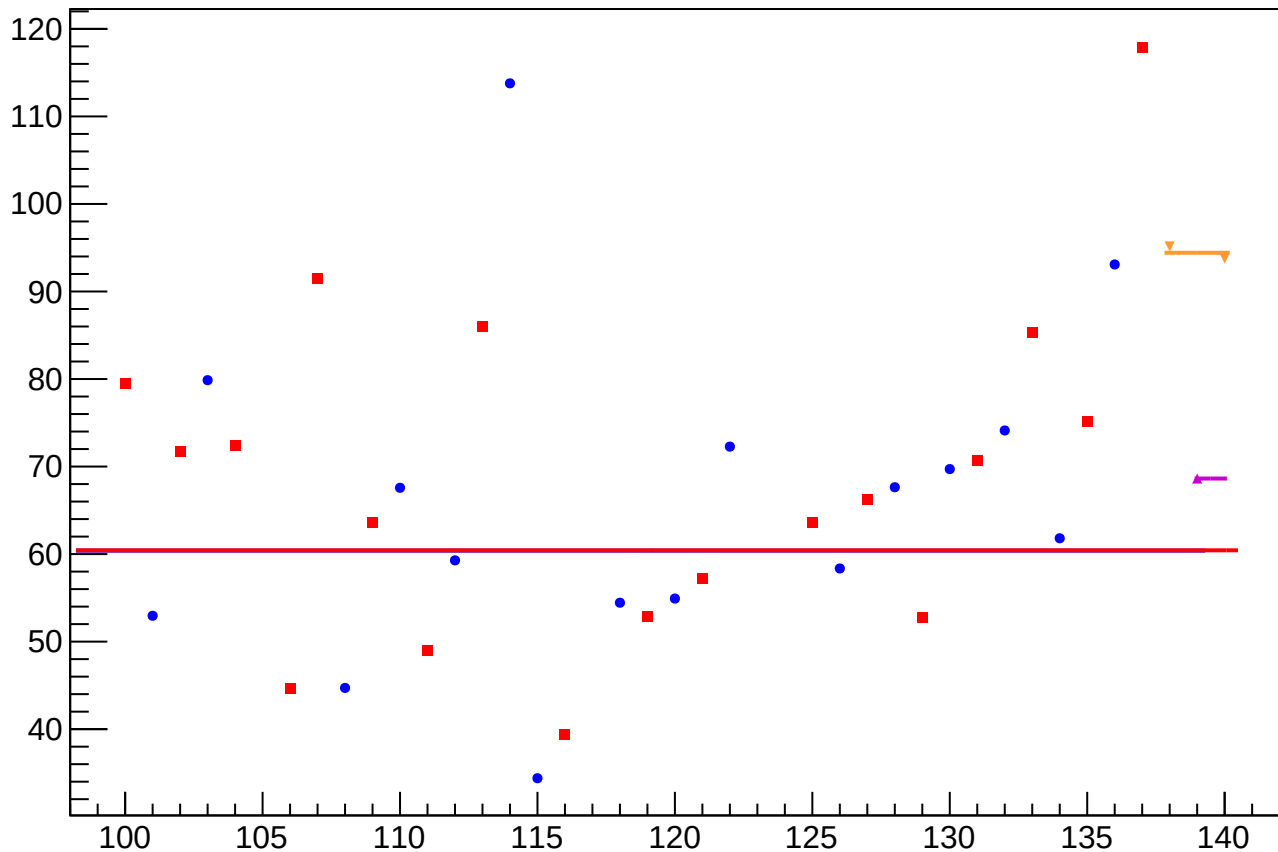
Left In: 0.110 ± 0.078 χ^2/NDF : 0.0/0

+ sign -0.006 ± 0.023 χ^2/NDF : 23.4/17

All: 0.000 ± 0.016 χ^2/NDF : 53.2/36

- sign 0.007 ± 0.023 χ^2/NDF : 29.7/18

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.398 $\pm$ 0.017 χ^2 /NDF: 703169.3/15

Left Out: 94.426 $\pm$ 0.054 χ^2 /NDF:159.1/1

Right Out: 60.432 $\pm$ 0.017 χ^2 /NDF: 711122.4/17

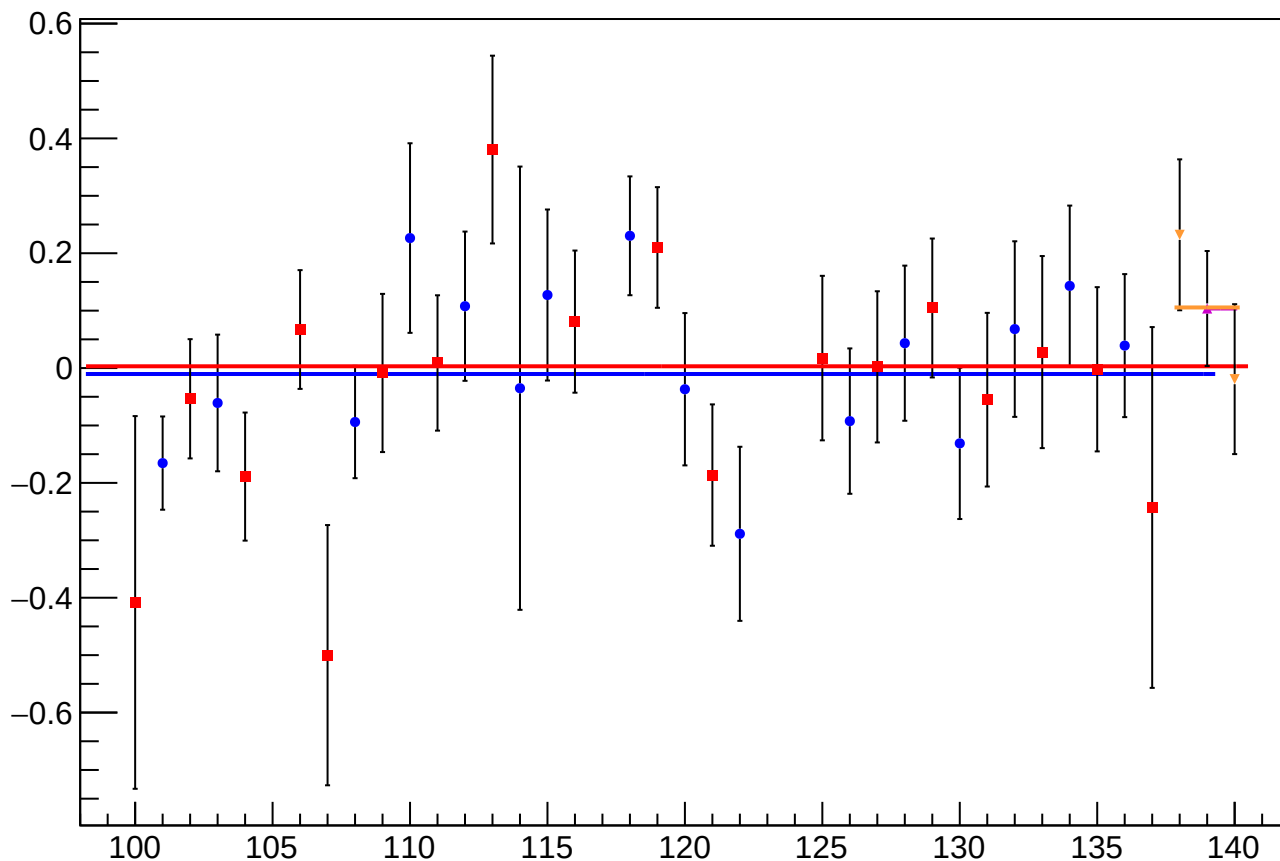
Left In: 68.631 $\pm$ 0.055 χ^2 /NDF:0.0/0

+ sign 63.402 $\pm$ 0.016 χ^2 /NDF: 1062465.6/17

All: 62.267 $\pm$ 0.011 χ^2 /NDF: 1803844.7/36

- sign 61.135 $\pm$ 0.016 χ^2 /NDF: 731459.4/18

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.106 ± 0.093 χ^2/NDF : 1.8/1

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

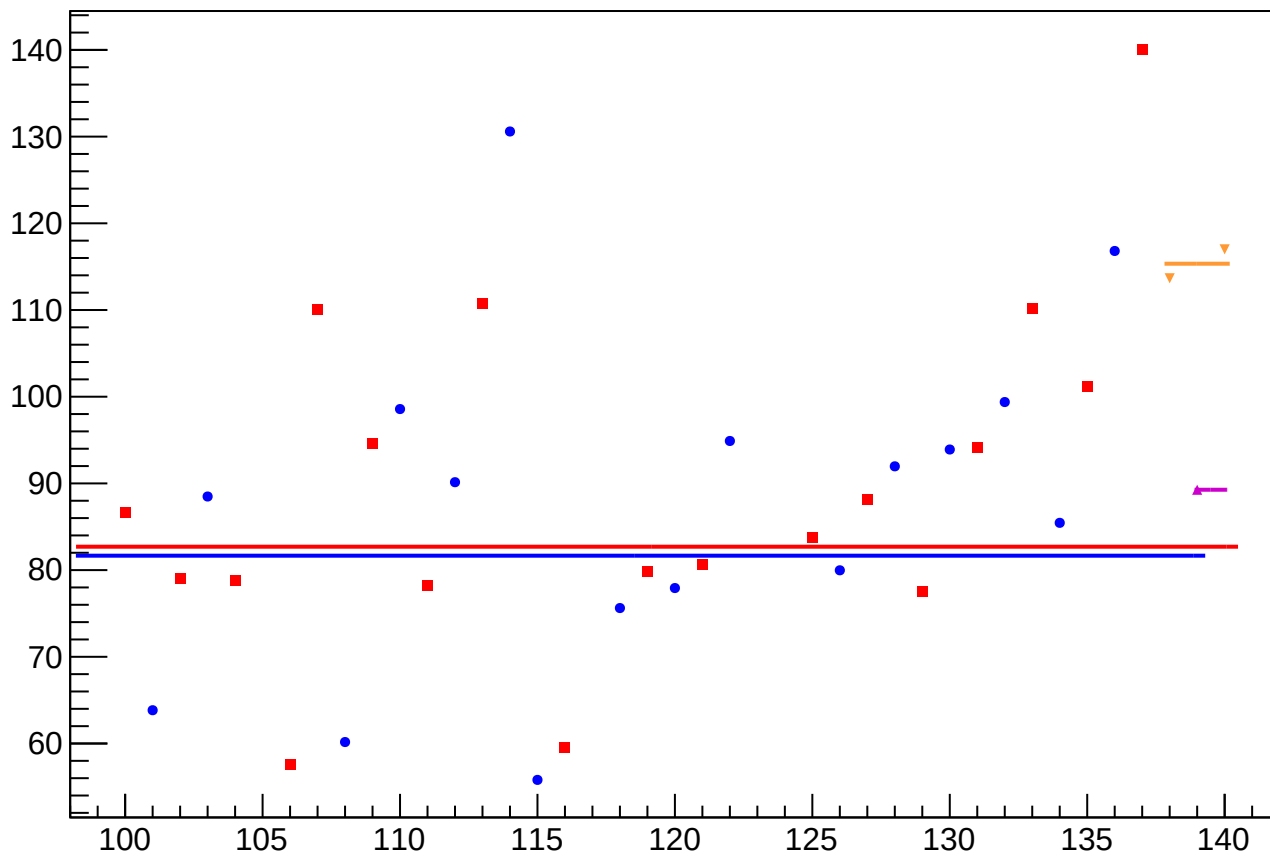
Left In: 0.104 ± 0.100 χ^2/NDF : 0.0/0

+ sign 0.002 ± 0.030 χ^2/NDF : 23.4/17

All: 0.007 ± 0.021 χ^2/NDF : 48.0/36

- sign 0.012 ± 0.030 χ^2/NDF : 24.6/18

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.340+/-0.065 χ^2/NDF : 649.5/1

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

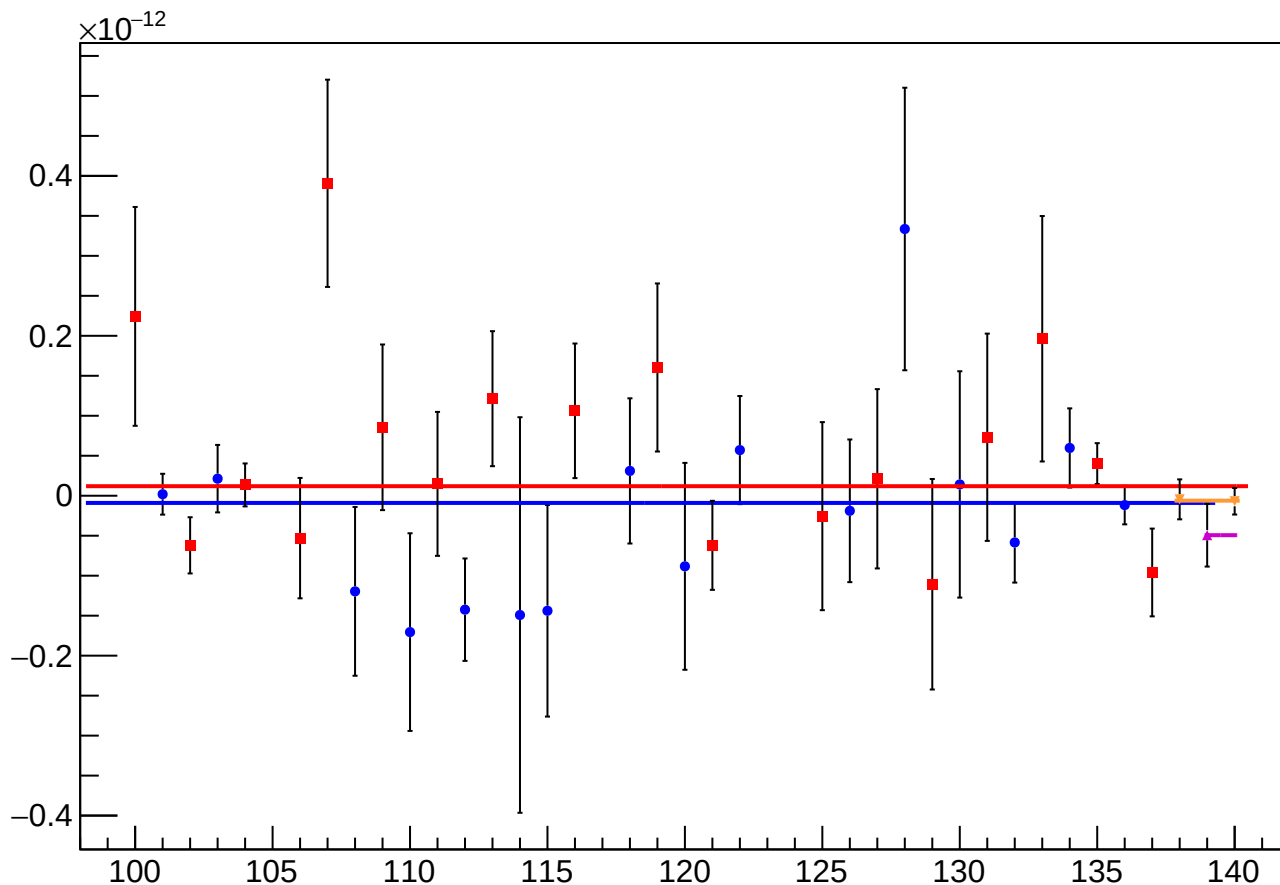
Left In: 89.269+/-0.071 χ^2/NDF : 0.0/0

+ sign 85.175+/-0.021 χ^2/NDF : 799314.8/17

All: 84.248+/-0.015 χ^2/NDF : 1284081.7/36

- sign 83.300+/-0.021 χ^2/NDF : 480880.7/18

asym_us_avg_eigen_cor_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 : 0.0/1

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

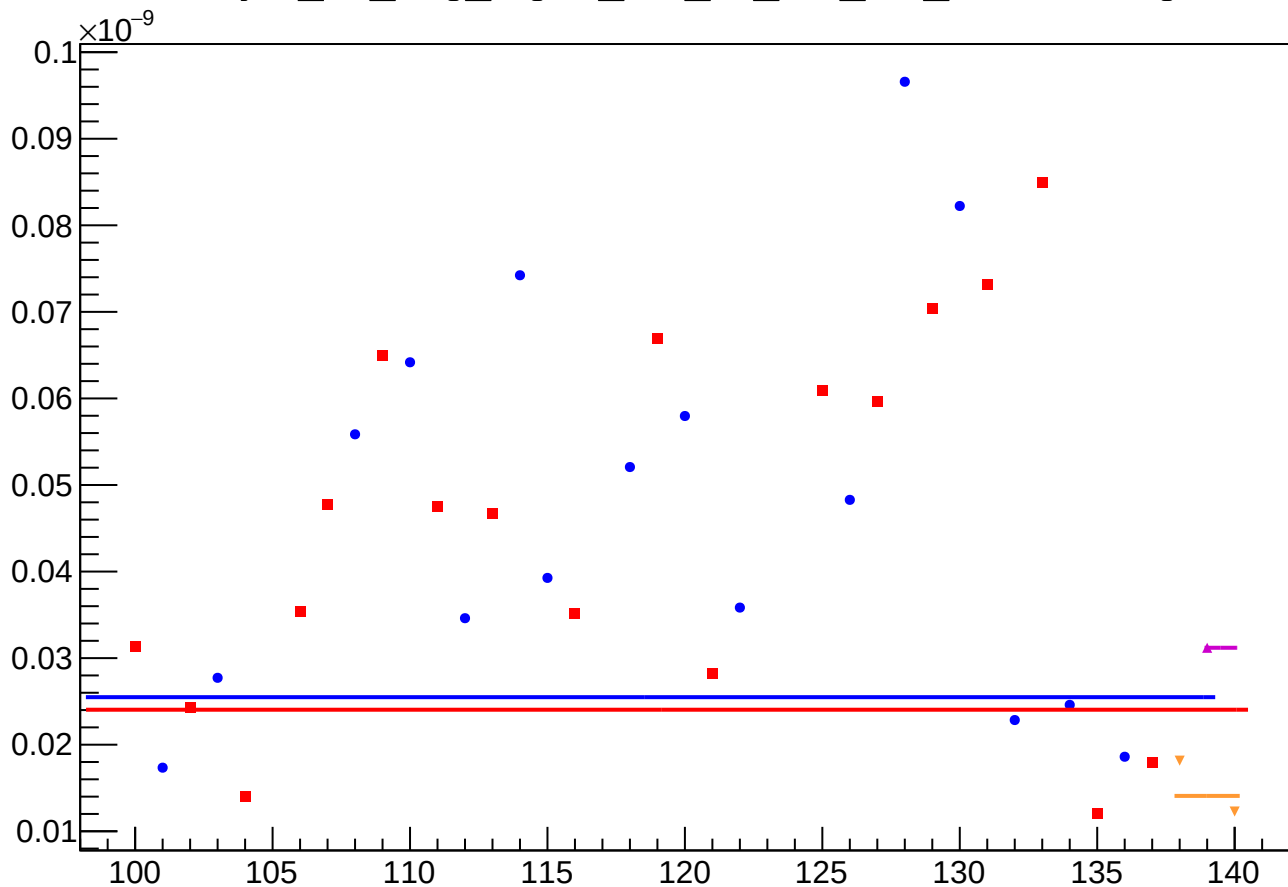
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 17.5/17

All: -0.000+/-0.000 χ^2/NDF : 51.4/36

- sign 0.000+/-0.000 χ^2/NDF : 33.2/18

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 : 76639.9/1

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

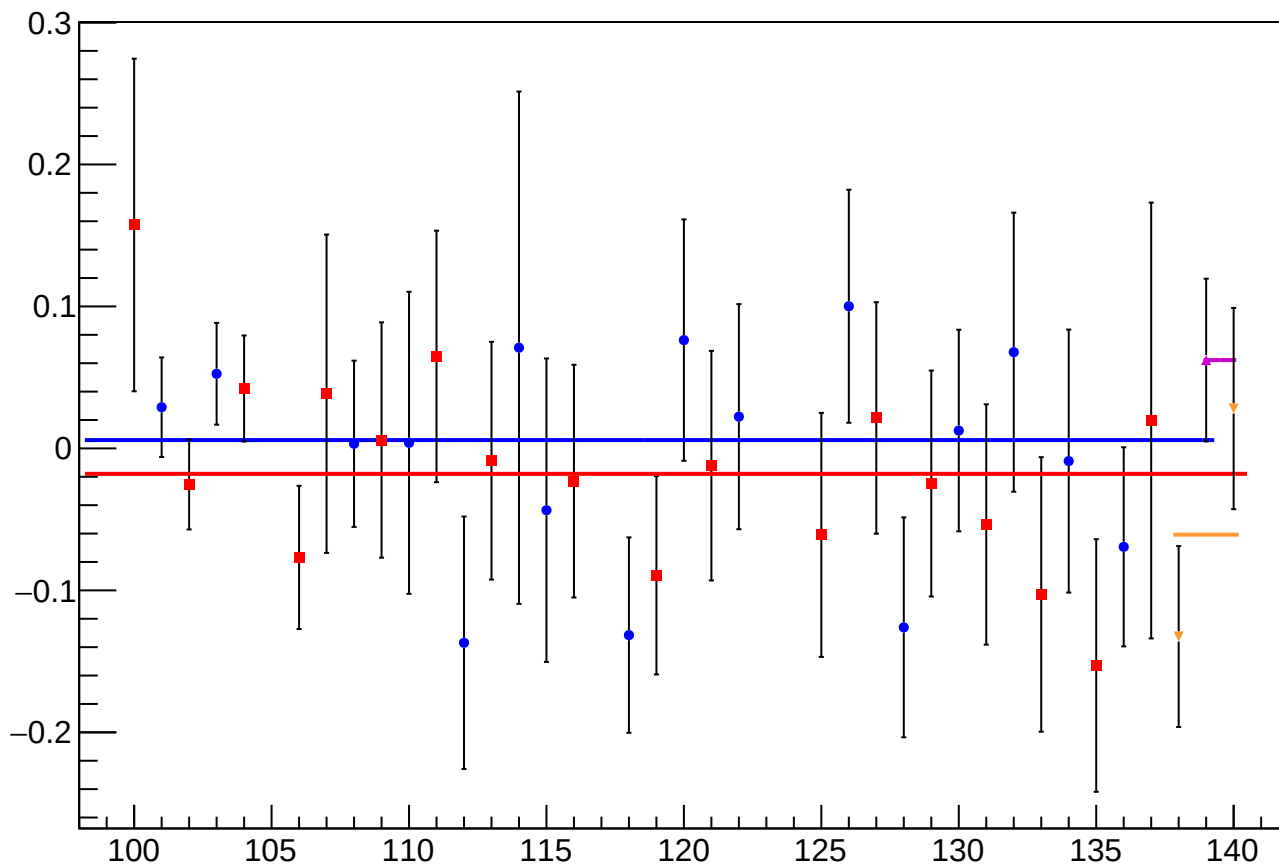
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2784926.1/17

All: 0.000+/-0.000 χ^2/NDF : 6107440.9/36

- sign 0.000+/-0.000 χ^2/NDF : 3144123.6/18

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.017 χ^2 /NDF: 15.6/15

Left Out: -0.061 $\pm$ 0.047 χ^2 /NDF: 2.8/1

Right Out: -0.018 $\pm$ 0.016 χ^2 /NDF: 12.3/17

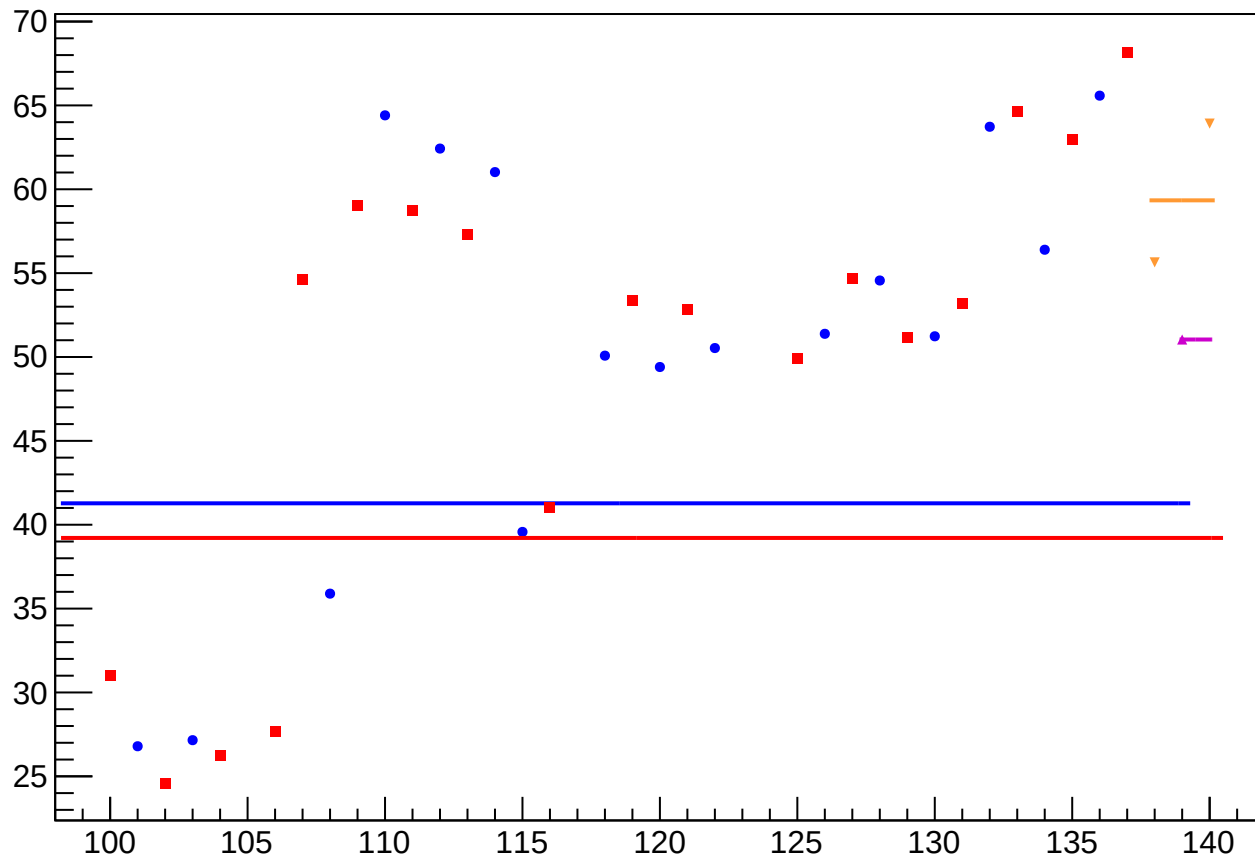
Left In: 0.062 $\pm$ 0.057 χ^2 /NDF: 0.0/0

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 20.2/17

All: -0.007 $\pm$ 0.011 χ^2 /NDF: 34.6/36

- sign -0.012 $\pm$ 0.015 χ^2 /NDF: 14.1/18

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: 59.340+/-0.034 χ^2/NDF : 15072.9/1

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

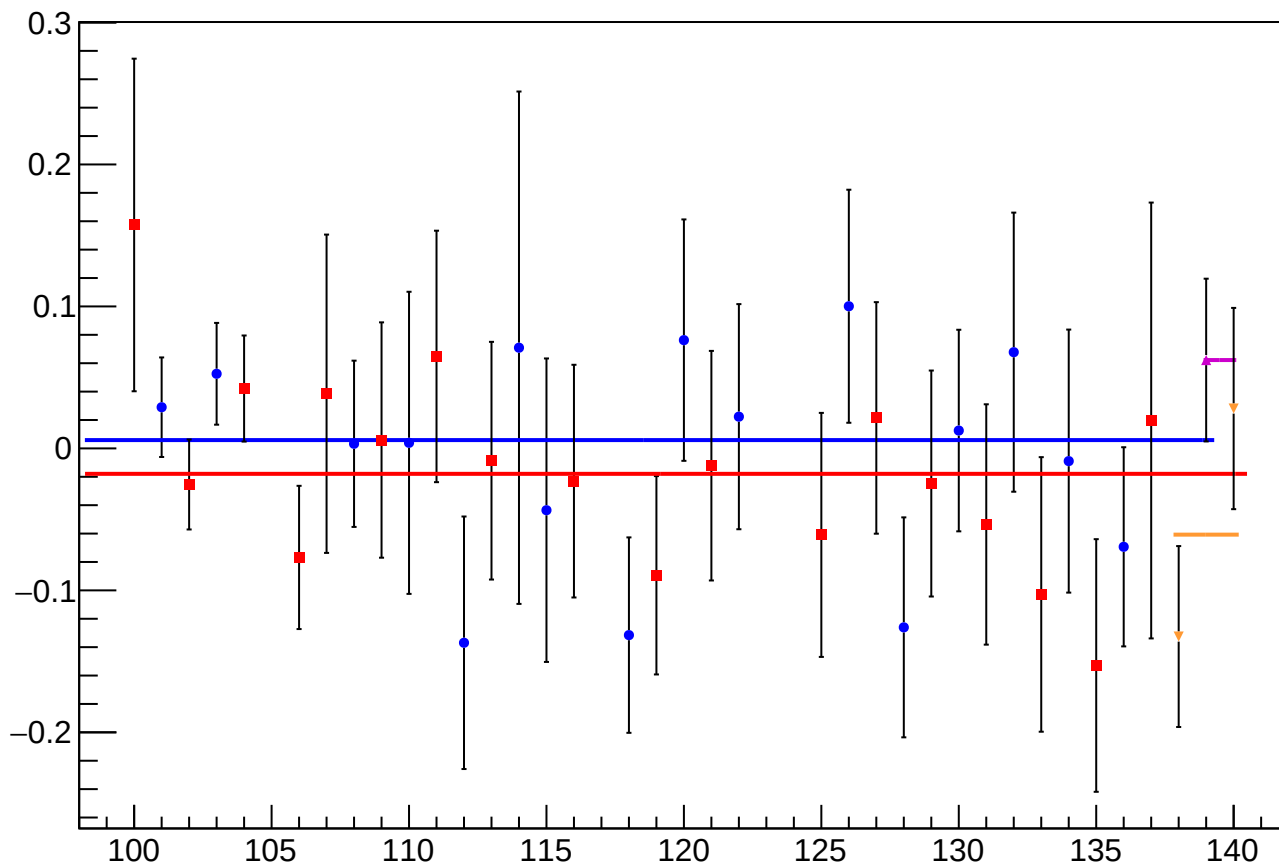
Left In: 51.043+/-0.041 χ^2/NDF : 0.0/0

+ sign 43.235+/-0.011 χ^2/NDF : 1779421.7/17

All: 41.594+/-0.008 χ^2/NDF : 3721678.3/36

- sign 40.041+/-0.011 χ^2/NDF : 1899182.5/18

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.017 χ^2 /NDF: 15.6/15

Left Out: -0.061 $\pm$ 0.047 χ^2 /NDF: 2.8/1

Right Out: -0.018 $\pm$ 0.016 χ^2 /NDF: 12.3/17

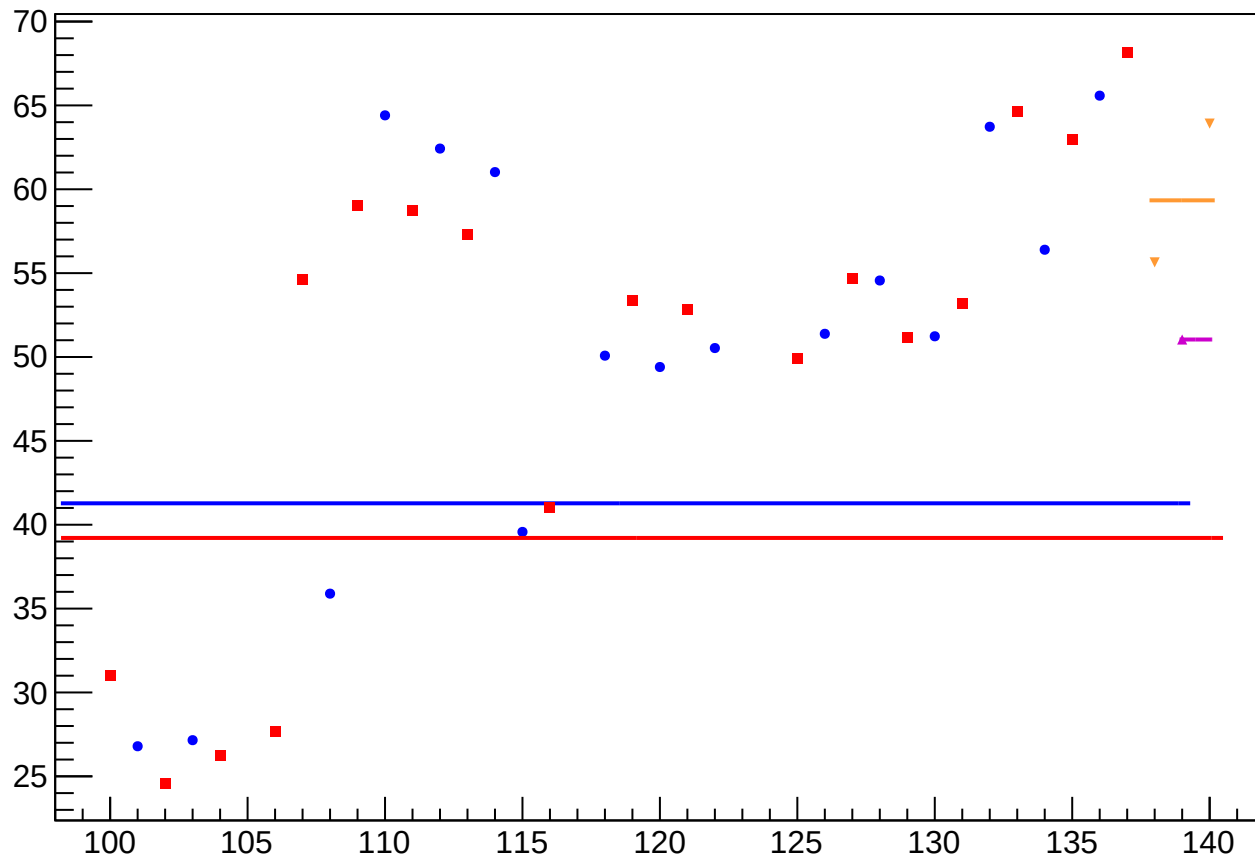
Left In: 0.062 $\pm$ 0.057 χ^2 /NDF: 0.0/0

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 20.2/17

All: -0.007 $\pm$ 0.011 χ^2 /NDF: 34.6/36

- sign -0.012 $\pm$ 0.015 χ^2 /NDF: 14.1/18

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 41.277 $\pm$ 0.012 χ^2 /NDF: 1505245.8/15

Left Out: 59.340 $\pm$ 0.034 χ^2 /NDF: 15072.9/1

Right Out: 39.212 $\pm$ 0.011 χ^2 /NDF: 1819921.9/17

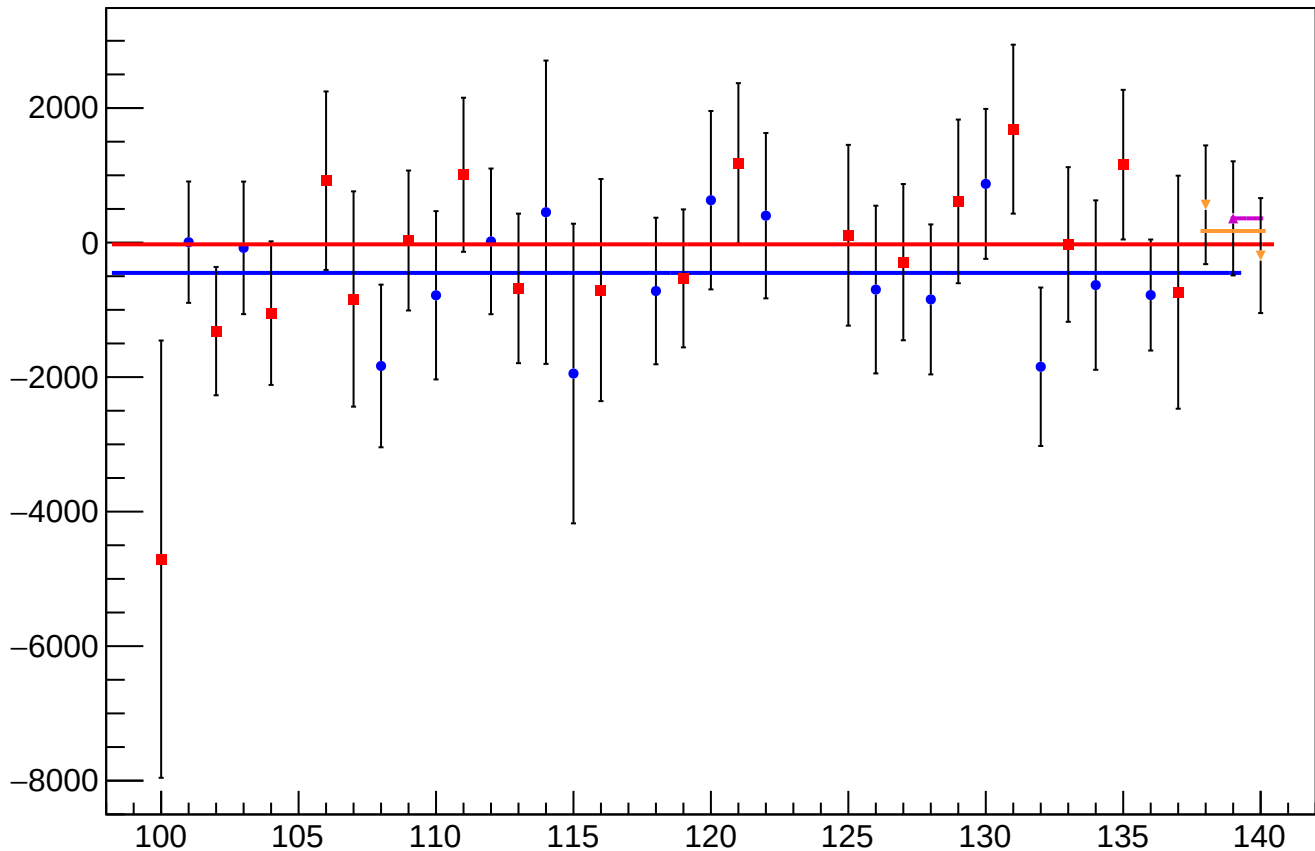
Left In: 51.043 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 43.235 $\pm$ 0.011 χ^2 /NDF: 1779421.7/17

All: 41.594 $\pm$ 0.008 χ^2 /NDF: 3721678.3/36

- sign 40.041 $\pm$ 0.011 χ^2 /NDF: 1899182.5/18

reg_asym_us_dd_mean vs Slug



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

Left Out: 172.015+/-614.045 χ^2/NDF : 0.4/1

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

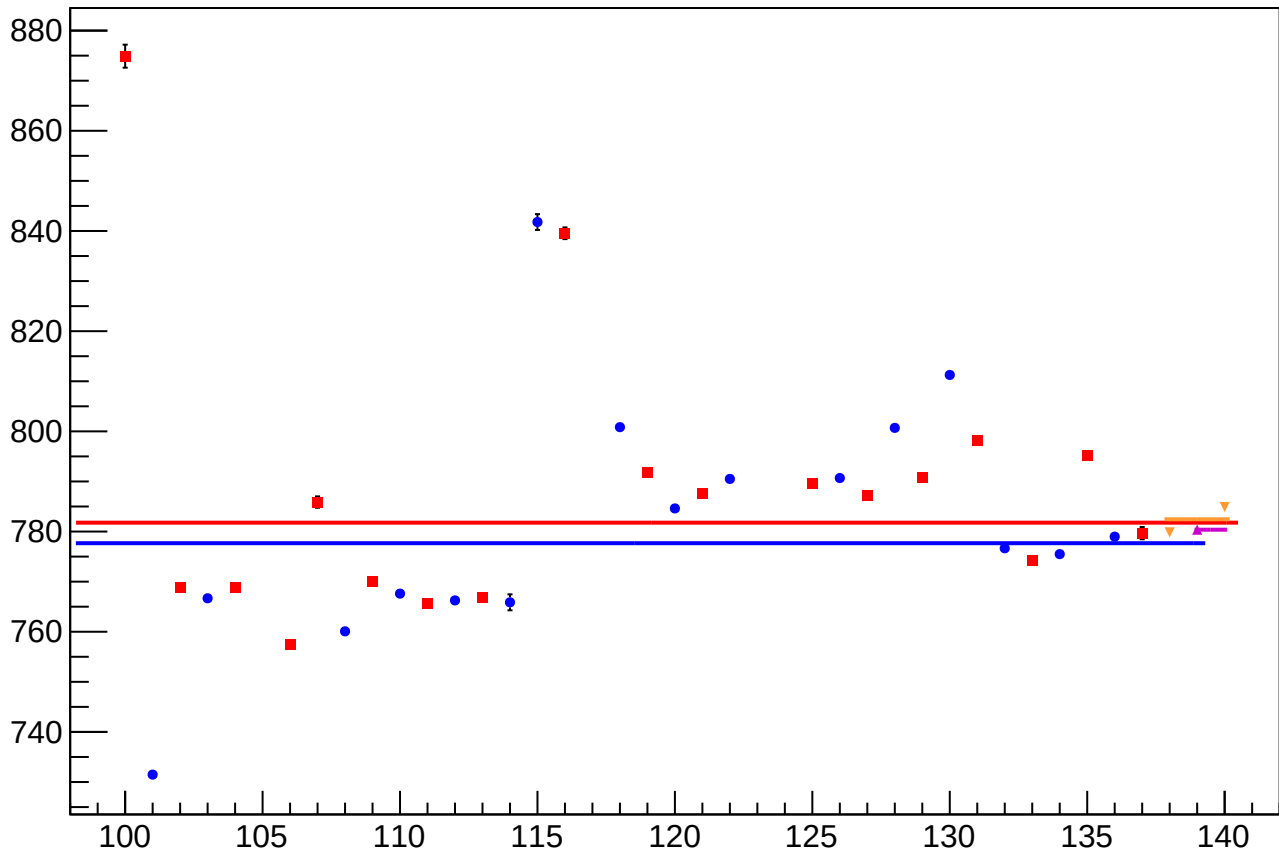
Left In: 360.177+/-848.183 χ^2/NDF : 0.0/0

+ sign -338.015+/-261.450 χ^2/NDF : 8.2/17

All: -169.538+/-188.750 χ^2/NDF : 20.9/36

- sign 13.852+/-272.775 χ^2/NDF : 11.9/18

reg_asym_us_dd_rms vs Slug



Right In: 777.674 $\pm$ 0.204 χ^2 /NDF: 12055.4/15

Left Out: 782.453 $\pm$ 0.434 χ^2 /NDF:33.9/1

Right Out: 781.777 $\pm$ 0.204 χ^2 /NDF: 7626.3/17

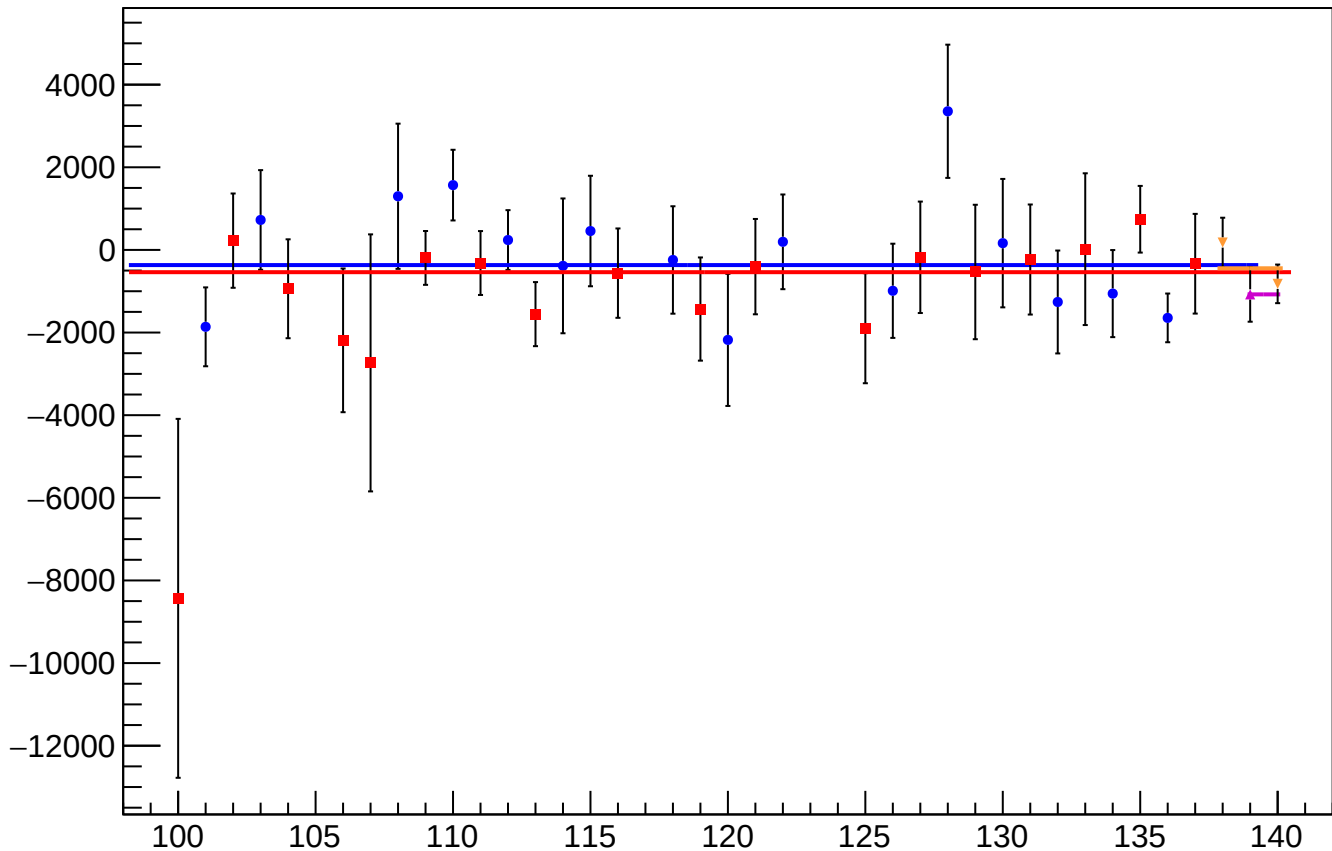
Left In: 780.369 $\pm$ 0.600 χ^2 /NDF:0.0/0

+ sign 778.541 $\pm$ 0.185 χ^2 /NDF: 12188.4/17

All: 780.020 $\pm$ 0.133 χ^2 /NDF: 19953.5/36

- sign 781.631 $\pm$ 0.193 χ^2 /NDF: 7631.3/18

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -444.549+/-368.833 χ^2/NDF : 1.7/1

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

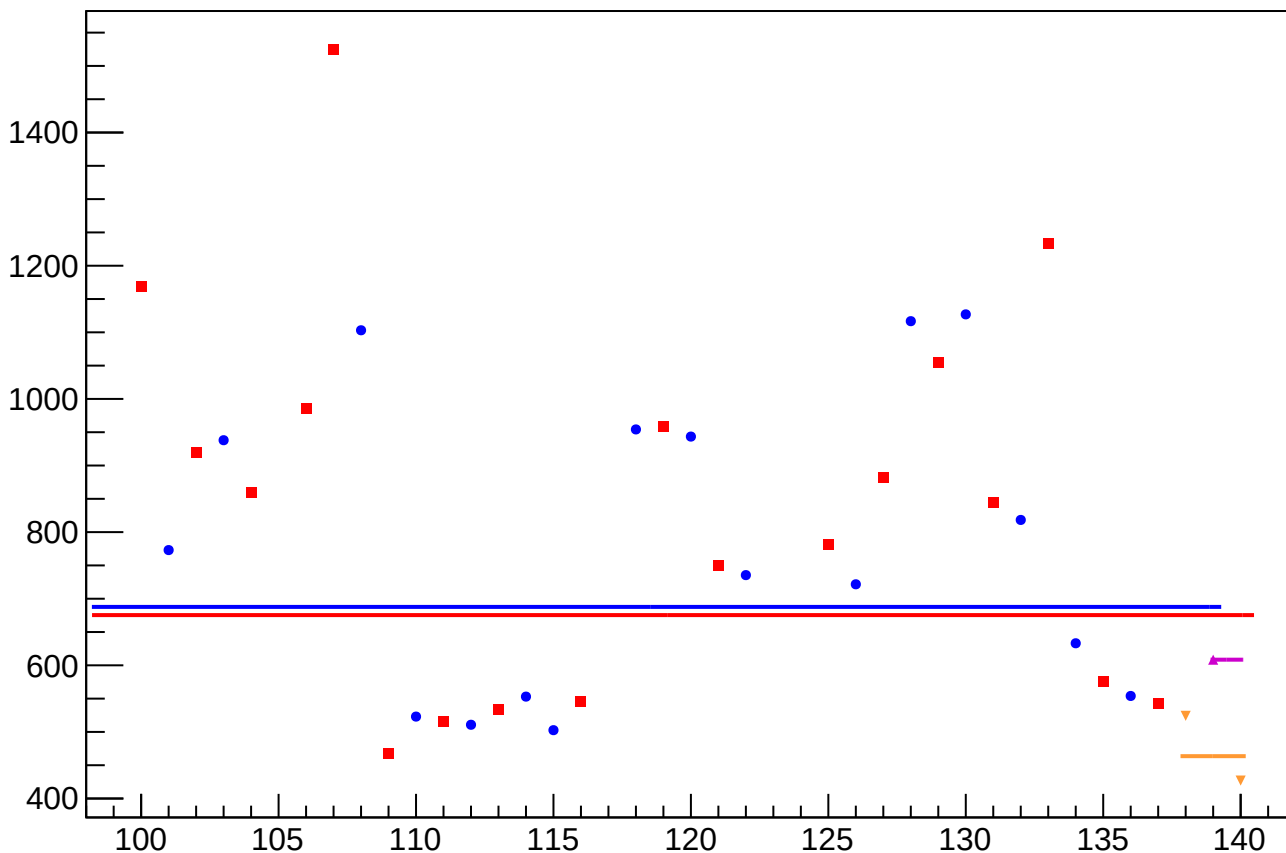
Left In: -1076.083+/-661.719 χ^2/NDF : 0.0/0

+ sign -393.631+/-216.118 χ^2/NDF : 25.1/17

All: -489.541+/-161.878 χ^2/NDF : 37.7/36

- sign -612.125+/-244.329 χ^2/NDF : 12.2/18

asym_us_dd_reg_correction_rms vs Slug



Right In: 687.717 $\pm$ 0.189 χ^2 /NDF: 1031906.6/15

Left Out: 463.596 $\pm$ 0.261 χ^2 /NDF: 32639.0/1

Right Out: 675.410 $\pm$ 0.186 χ^2 /NDF: 1313004.6/17

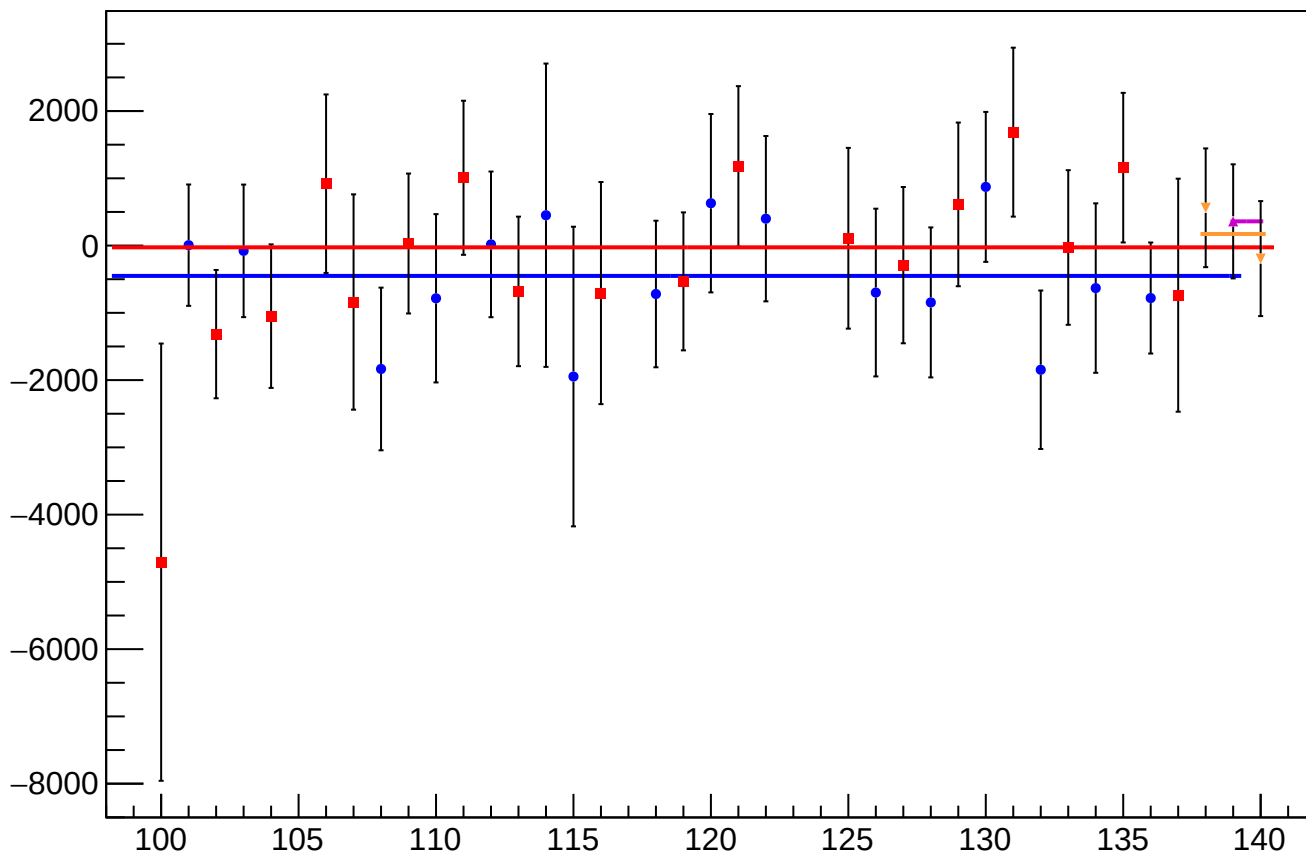
Left In: 608.469 $\pm$ 0.468 χ^2 /NDF: 0.0/0

+ sign 610.767 $\pm$ 0.153 χ^2 /NDF: 1549474.4/17

All: 635.137 $\pm$ 0.114 χ^2 /NDF: 2938086.7/36

- sign 666.283 $\pm$ 0.173 χ^2 /NDF: 1330681.7/18

cor_asym_us_dd_mean vs Slug



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

Left Out: 172.015 ± 614.045 χ^2/NDF : 0.4/1

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

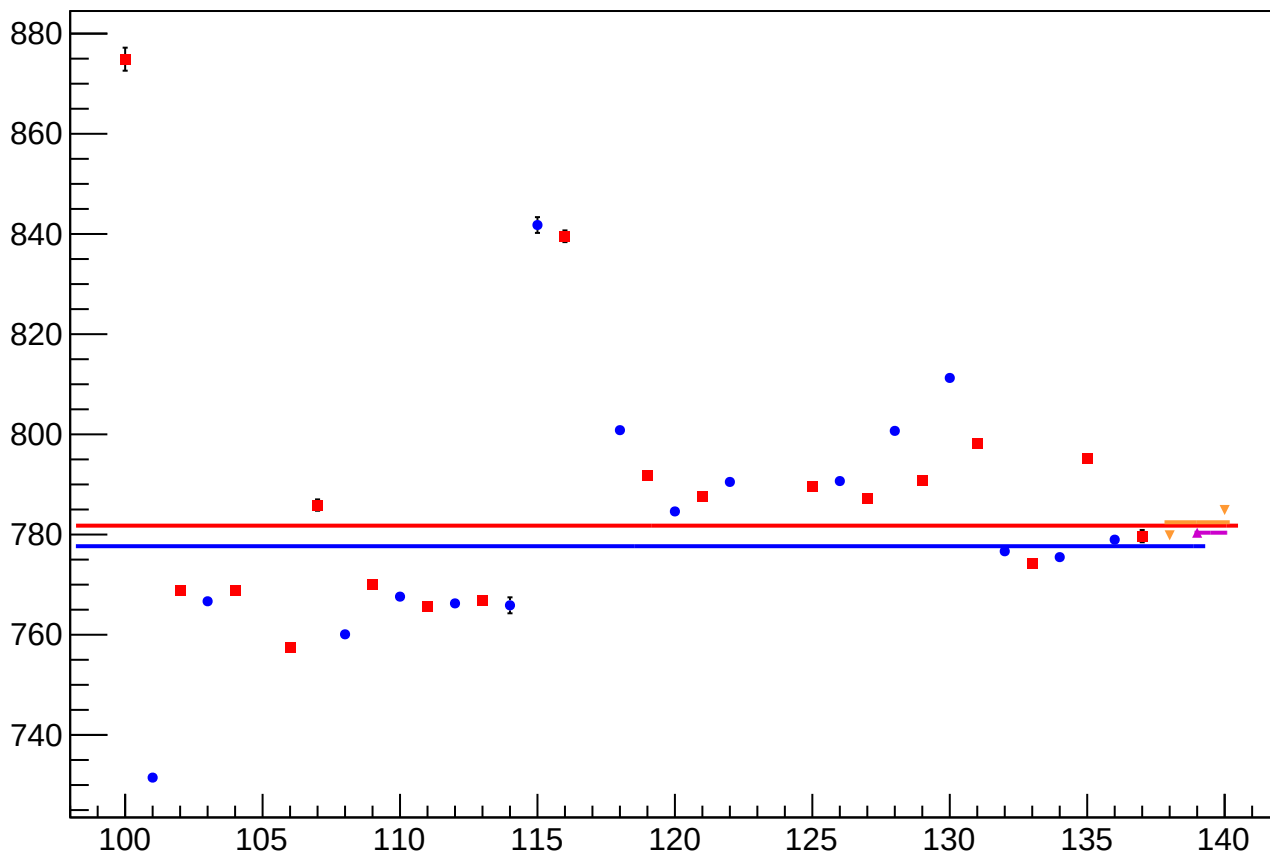
Left In: 360.177 ± 848.183 χ^2/NDF : 0.0/0

+ sign -338.015 ± 261.450 χ^2/NDF : 8.2/17

All: -169.538 ± 188.750 χ^2/NDF : 20.9/36

- sign 13.852 ± 272.775 χ^2/NDF : 11.9/18

cor_asym_us_dd_rms vs Slug



Right In: 777.674 $\pm$ 0.204 χ^2 /NDF: 12055.4/15

Left Out: 782.453 $\pm$ 0.434 χ^2 /NDF:33.9/1

Right Out: 781.777 $\pm$ 0.204 χ^2 /NDF: 7626.3/17

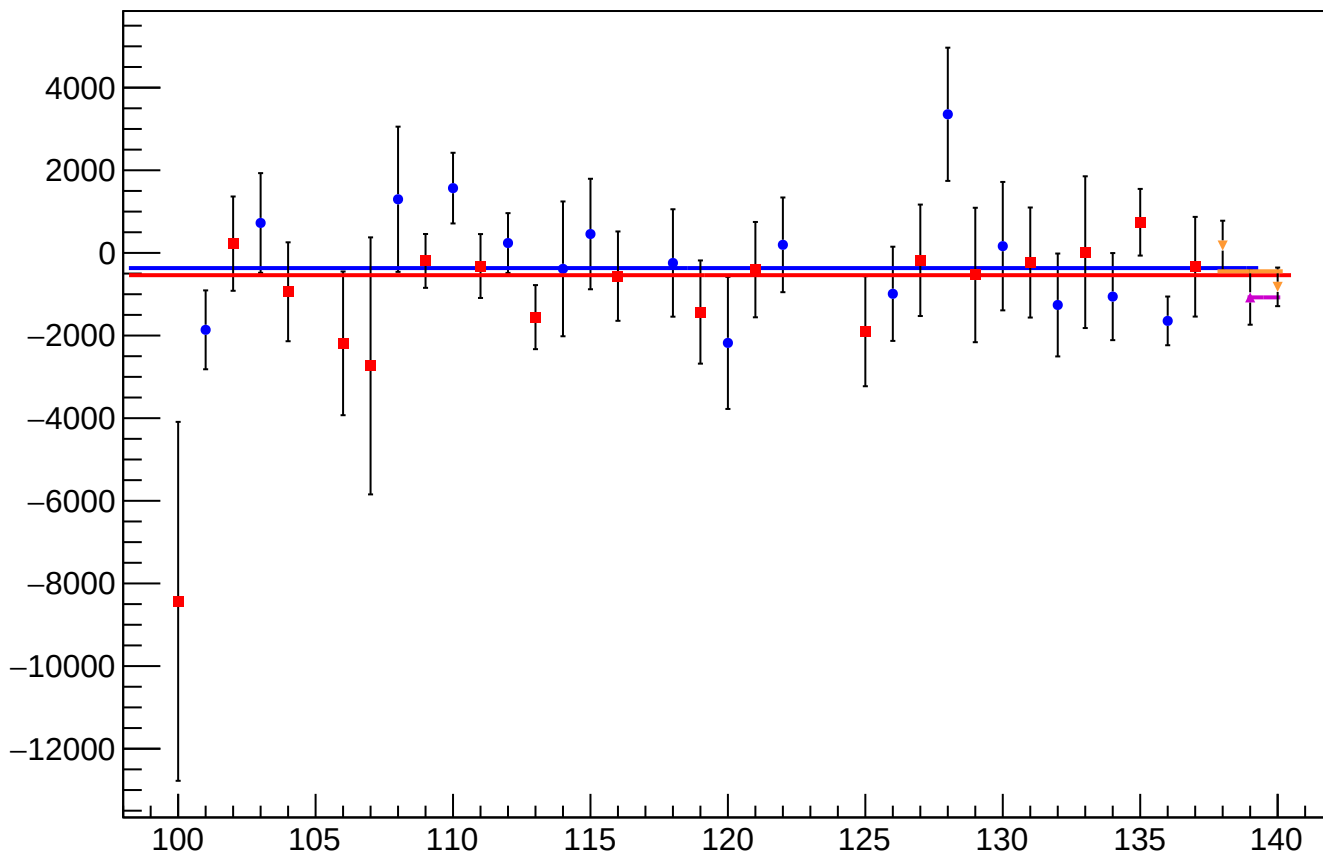
Left In: 780.369 $\pm$ 0.600 χ^2 /NDF:0.0/0

+ sign 778.541 $\pm$ 0.185 χ^2 /NDF: 12188.4/17

All: 780.020 $\pm$ 0.133 χ^2 /NDF: 19953.5/36

- sign 781.631 $\pm$ 0.193 χ^2 /NDF: 7631.3/18

asym_us_dd_cor_correction_mean vs Slug



Right In: -367.008 $\pm$ 266.698 χ^2 /NDF: 23.3/15

Left Out: -444.549 $\pm$ 368.833 χ^2 /NDF:1.7/1

Right Out: -538.887 $\pm$ 262.907 χ^2 /NDF: 11.7/17

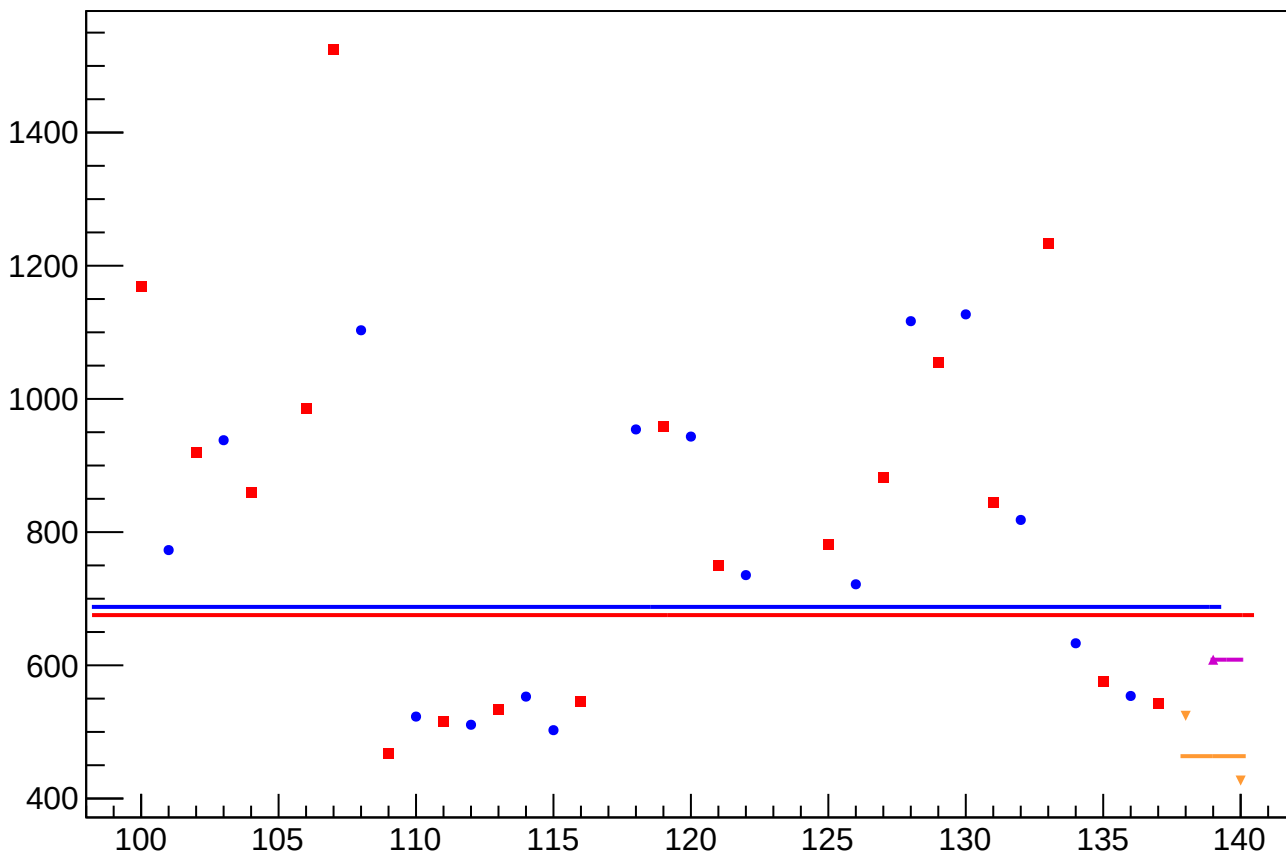
Left In: -1076.083 $\pm$ 661.719 χ^2 /NDF:0.0/0

+ sign -393.631 $\pm$ 216.118 χ^2 /NDF: 25.1/17

All: -489.541 $\pm$ 161.878 χ^2 /NDF: 37.7/36

- sign -612.125 $\pm$ 244.329 χ^2 /NDF: 12.2/18

asym_us_dd_cor_correction_rms vs Slug



Right In: 687.717 $\pm$ 0.189 χ^2 /NDF: 1031906.6/15

Left Out: 463.596 $\pm$ 0.261 χ^2 /NDF:32639.0/1

Right Out: 675.410 $\pm$ 0.186 χ^2 /NDF: 1313004.6/17

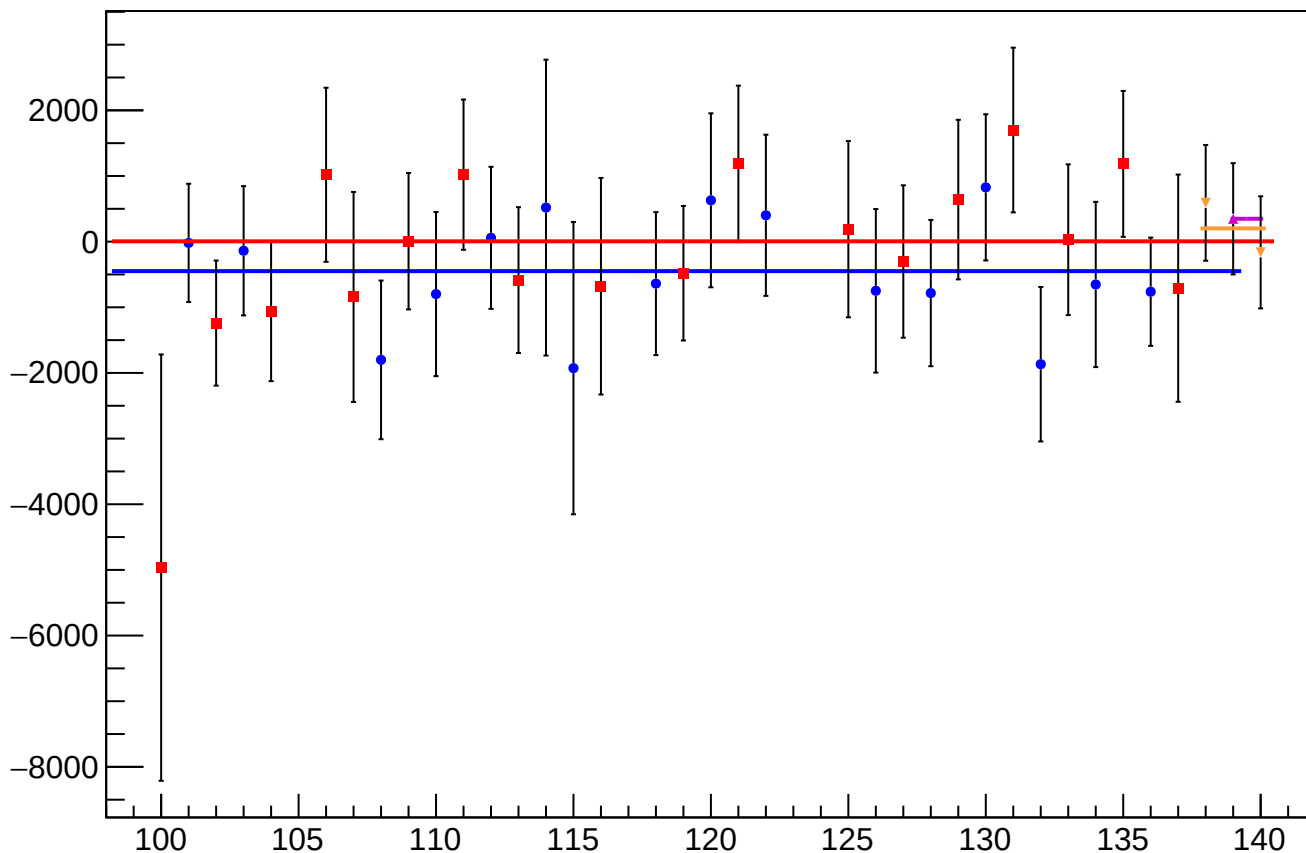
Left In: 608.469 $\pm$ 0.468 χ^2 /NDF:0.0/0

+ sign 610.767 $\pm$ 0.153 χ^2 /NDF: 1549474.4/17

All: 635.137 $\pm$ 0.114 χ^2 /NDF: 2938086.7/36

- sign 666.283 $\pm$ 0.173 χ^2 /NDF: 1330681.7/18

overload_cor_asym_us_dd_mean vs Slug



Right In: -449.430 $\pm$ 288.668 χ^2 /NDF: 6.8/15

Left Out: 201.787 $\pm$ 613.342 χ^2 /NDF:0.4/1

Right Out: 4.645 $\pm$ 287.815 χ^2 /NDF: 11.8/17

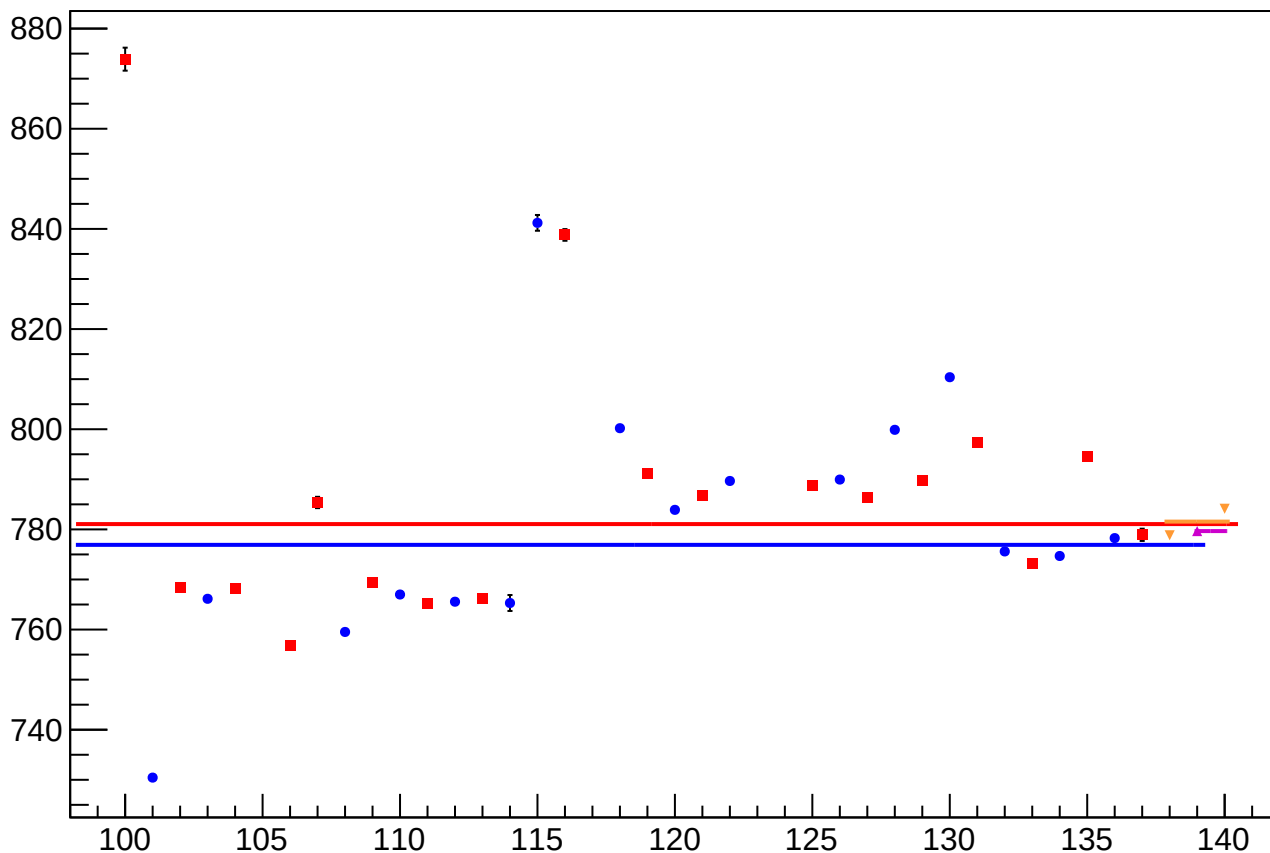
Left In: 348.014 $\pm$ 847.417 χ^2 /NDF:0.0/0

+ sign -331.338 $\pm$ 261.186 χ^2 /NDF: 8.1/17

All: -153.479 $\pm$ 188.568 χ^2 /NDF: 21.0/36

- sign 40.158 $\pm$ 272.526 χ^2 /NDF: 12.0/18

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.913 $\pm$ 0.204 χ^2 /NDF: 12123.6/15

Left Out: 781.556 $\pm$ 0.434 χ^2 /NDF:37.3/1

Right Out: 781.061 $\pm$ 0.204 χ^2 /NDF: 7585.8/17

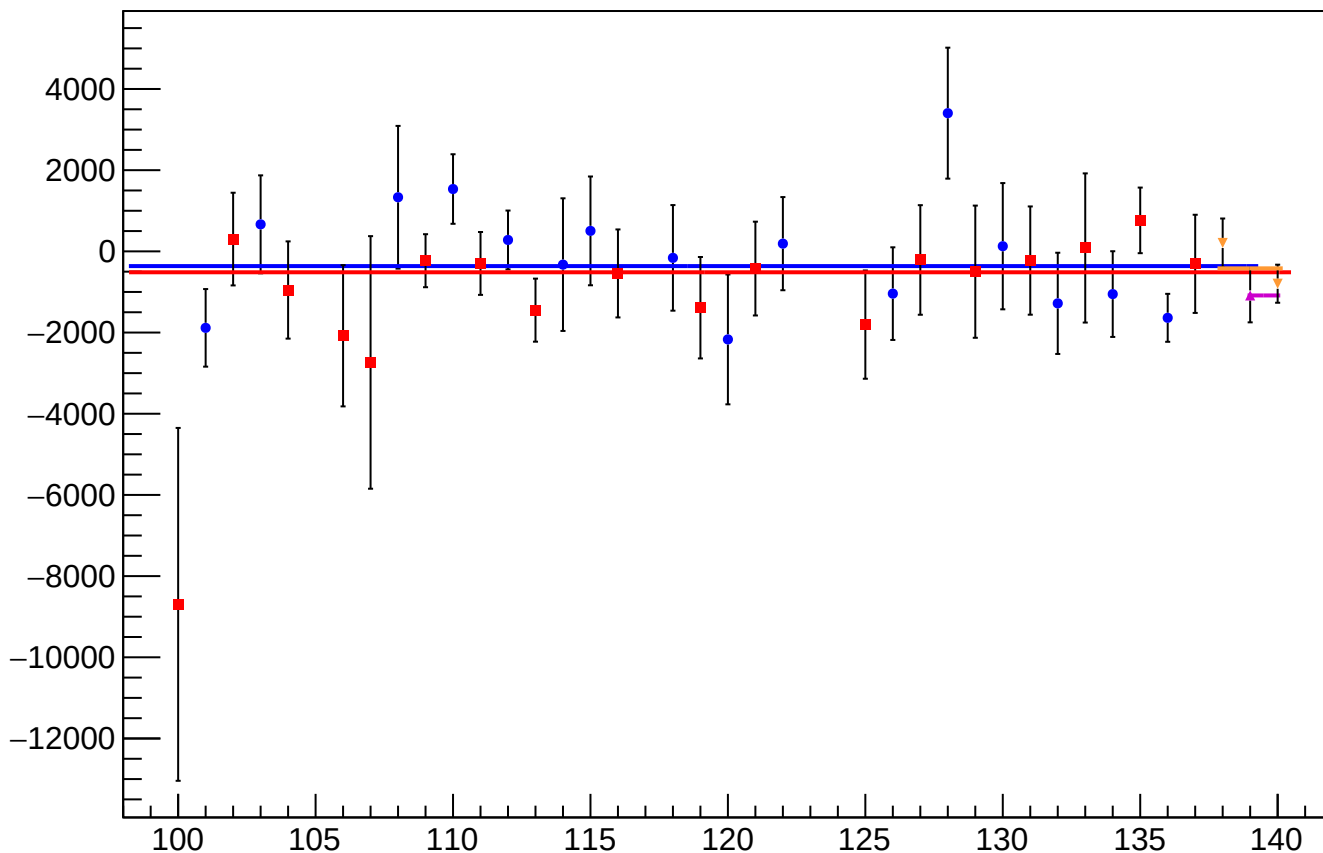
Left In: 779.664 $\pm$ 0.599 χ^2 /NDF:0.0/0

+ sign 777.755 $\pm$ 0.185 χ^2 /NDF: 12254.7/17

All: 779.269 $\pm$ 0.133 χ^2 /NDF: 19985.6/36

- sign 780.916 $\pm$ 0.193 χ^2 /NDF: 7590.6/18

asym_us_dd_overload_cor_correction_mean vs Slug



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

Left Out: -418.366+/-370.038 χ^2/NDF : 1.7/1

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

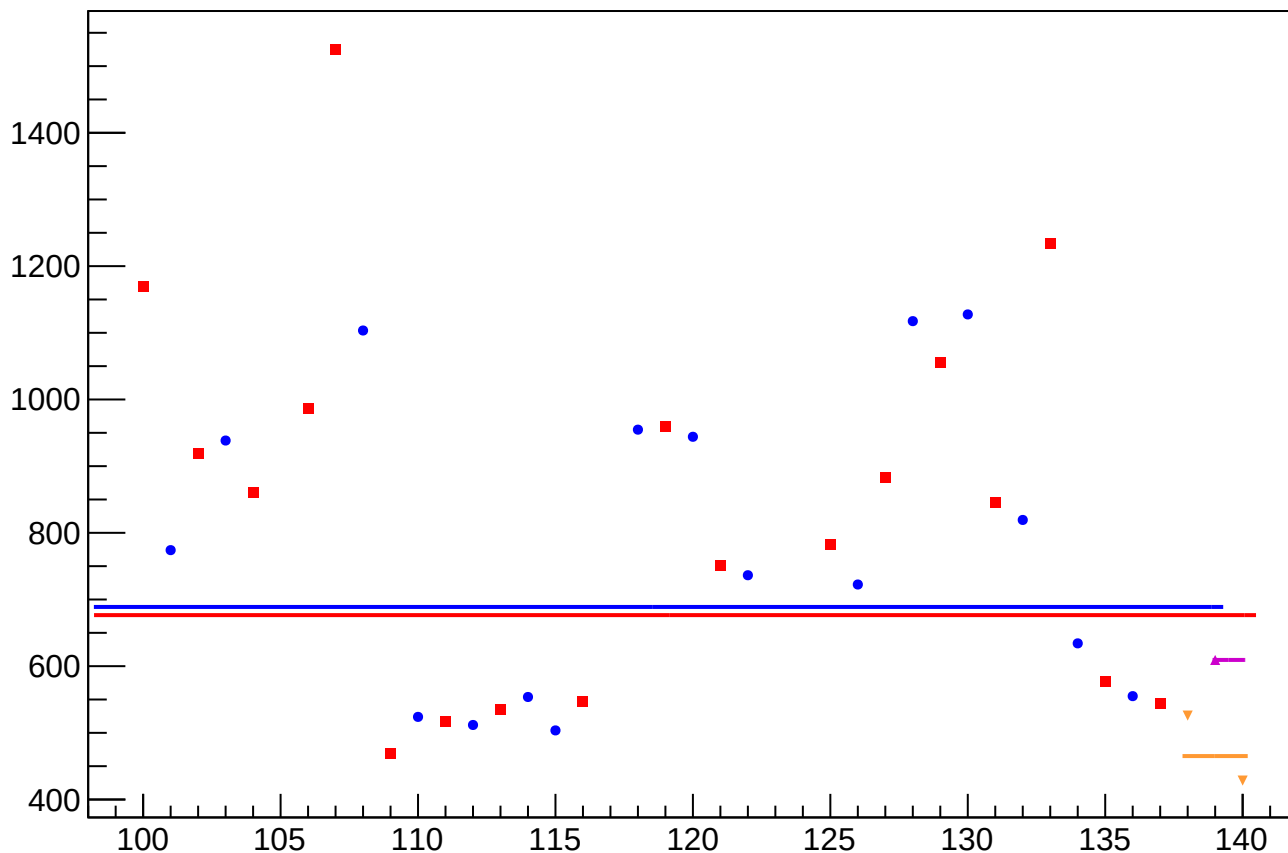
Left In: -1086.019+/-662.687 χ^2/NDF : 0.0/0

+ sign -381.840+/-216.566 χ^2/NDF : 25.1/17

All: -474.639+/-162.173 χ^2/NDF : 37.6/36

- sign -593.110+/-244.695 χ^2/NDF : 12.0/18

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 465.162+/-0.262 χ^2/NDF : 32594.2/1

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

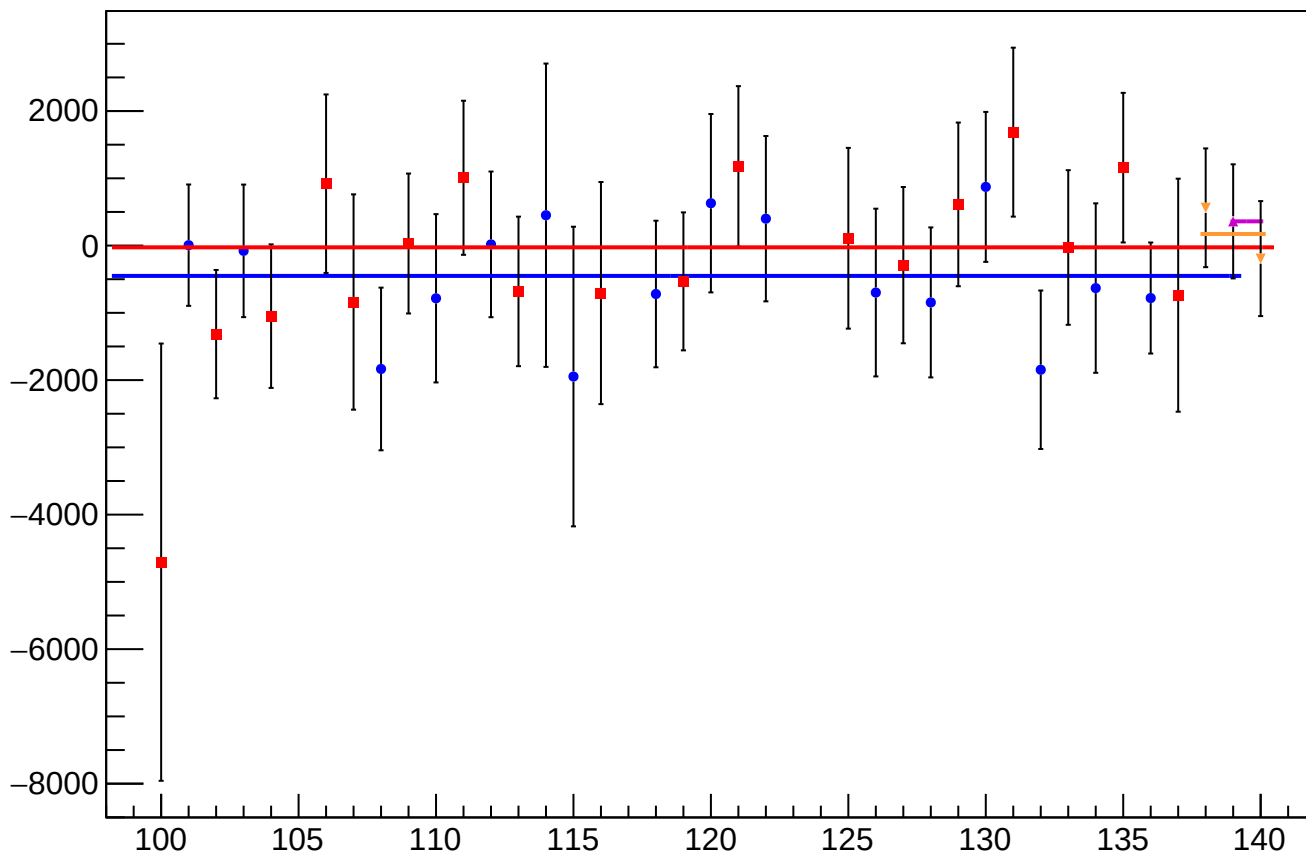
Left In: 609.358+/-0.469 χ^2/NDF : 0.0/0

+ sign 612.218+/-0.153 χ^2/NDF : 1541132.3/17

All: 636.460+/-0.115 χ^2/NDF : 2923991.2/36

- sign 667.408+/-0.173 χ^2/NDF : 1325805.8/18

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: 172.015 ± 614.045 χ^2/NDF : 0.4/1

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

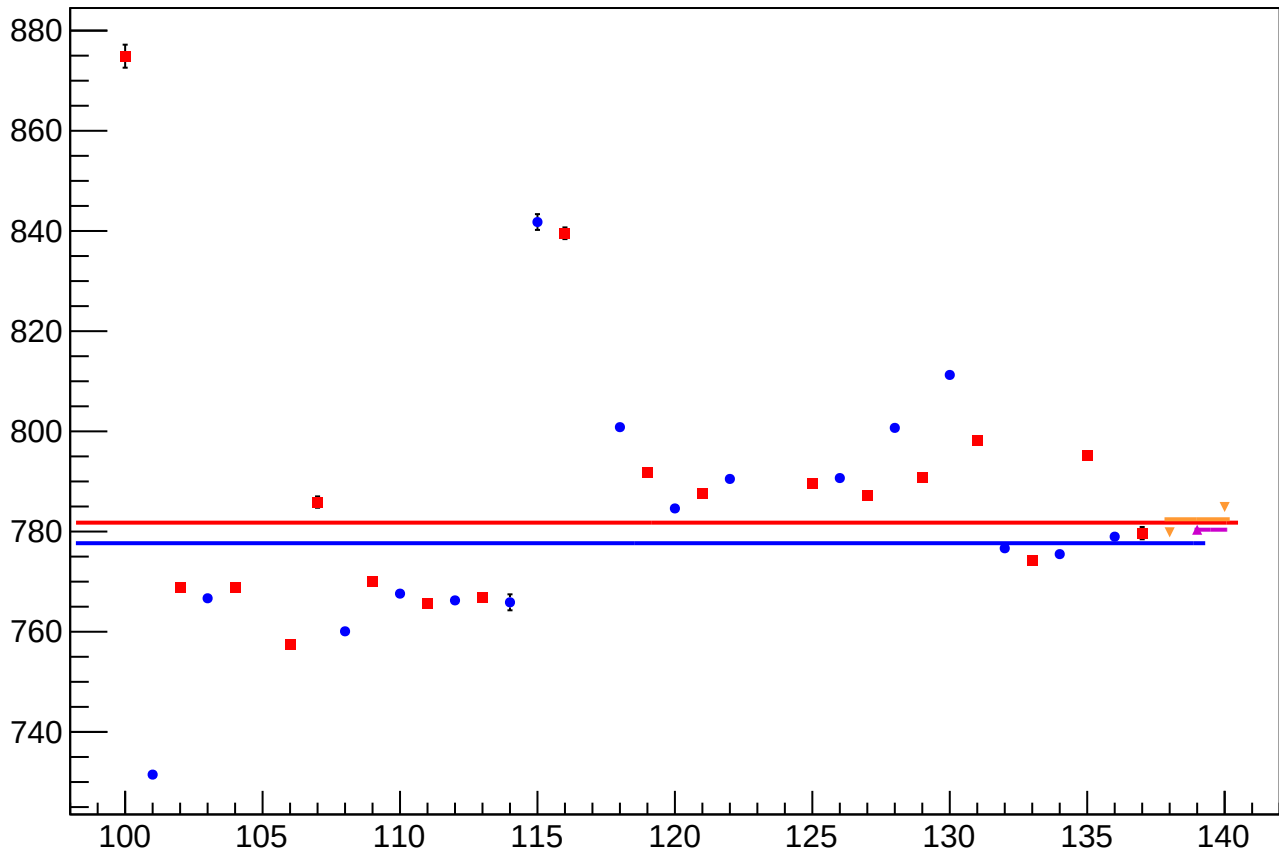
Left In: 360.177 ± 848.183 χ^2/NDF : 0.0/0

+ sign -338.015 ± 261.450 χ^2/NDF : 8.2/17

All: -169.538 ± 188.750 χ^2/NDF : 20.9/36

- sign 13.852 ± 272.775 χ^2/NDF : 11.9/18

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674 $\pm$ 0.204 χ^2 /NDF: 12055.4/15

Left Out: 782.453 $\pm$ 0.434 χ^2 /NDF:33.9/1

Right Out: 781.777 $\pm$ 0.204 χ^2 /NDF: 7626.3/17

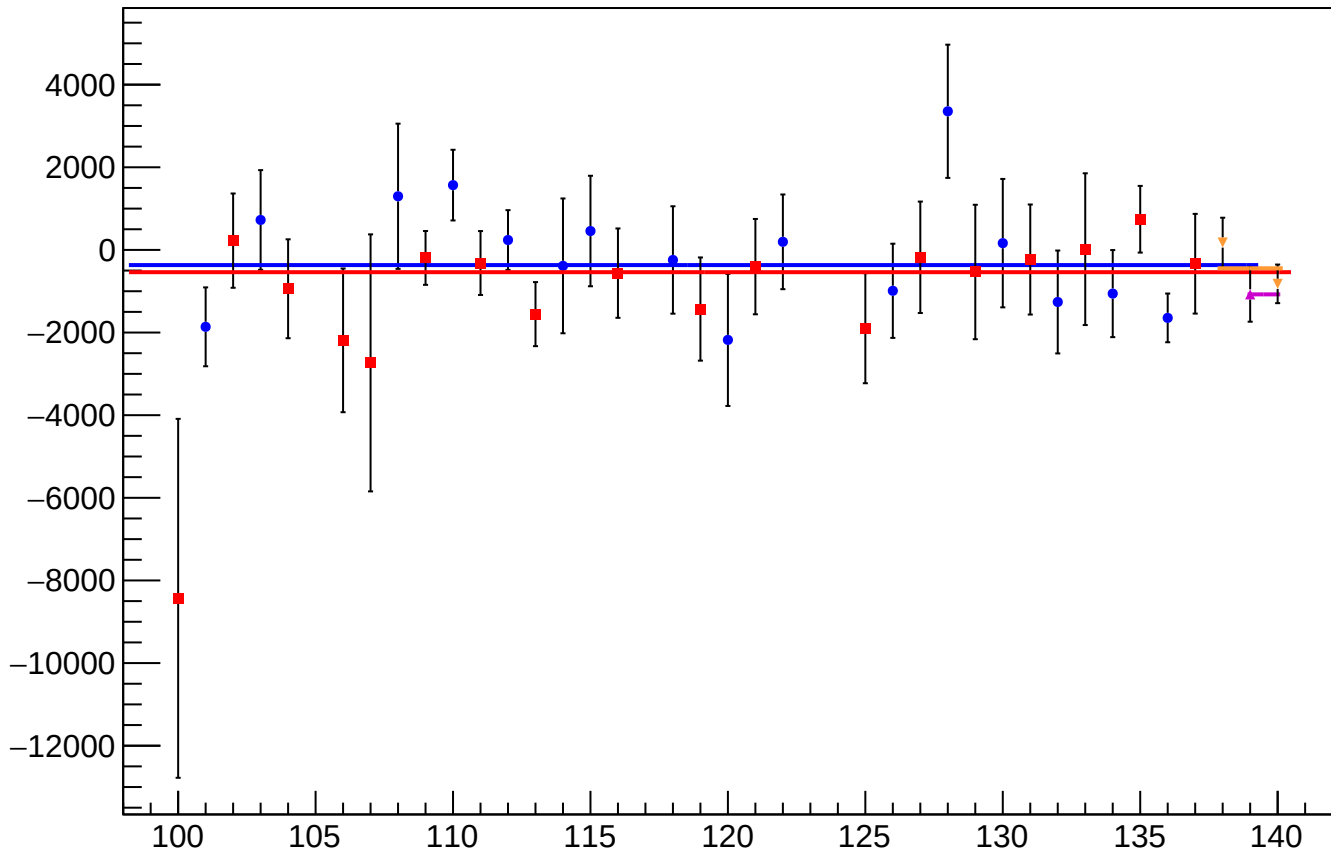
Left In: 780.369 $\pm$ 0.600 χ^2 /NDF:0.0/0

+ sign 778.541 $\pm$ 0.185 χ^2 /NDF: 12188.4/17

All: 780.020 $\pm$ 0.133 χ^2 /NDF: 19953.5/36

- sign 781.631 $\pm$ 0.193 χ^2 /NDF: 7631.3/18

asym_us_dd_eigen_cor_correction_mean vs Slug



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

Left Out: -444.549+/-368.833 χ^2/NDF : 1.7/1

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

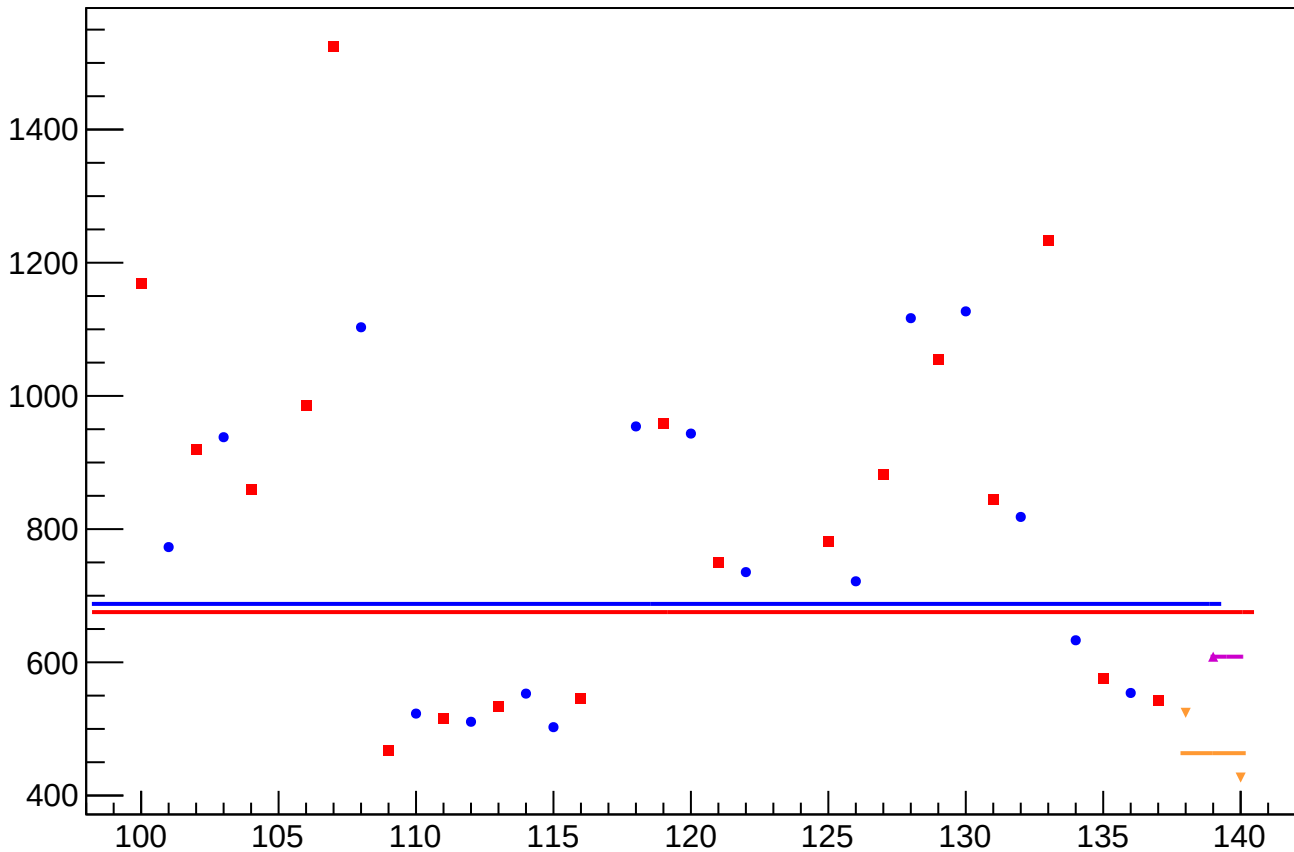
Left In: -1076.083+/-661.719 χ^2/NDF : 0.0/0

+ sign -393.631+/-216.118 χ^2/NDF : 25.1/17

All: -489.541+/-161.878 χ^2/NDF : 37.7/36

- sign -612.125+/-244.329 χ^2/NDF : 12.2/18

asym_us_dd_eigen_cor_correction_rms vs Slug



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

Left Out: 463.596+/-0.261 χ^2/NDF : 32639.0/1

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

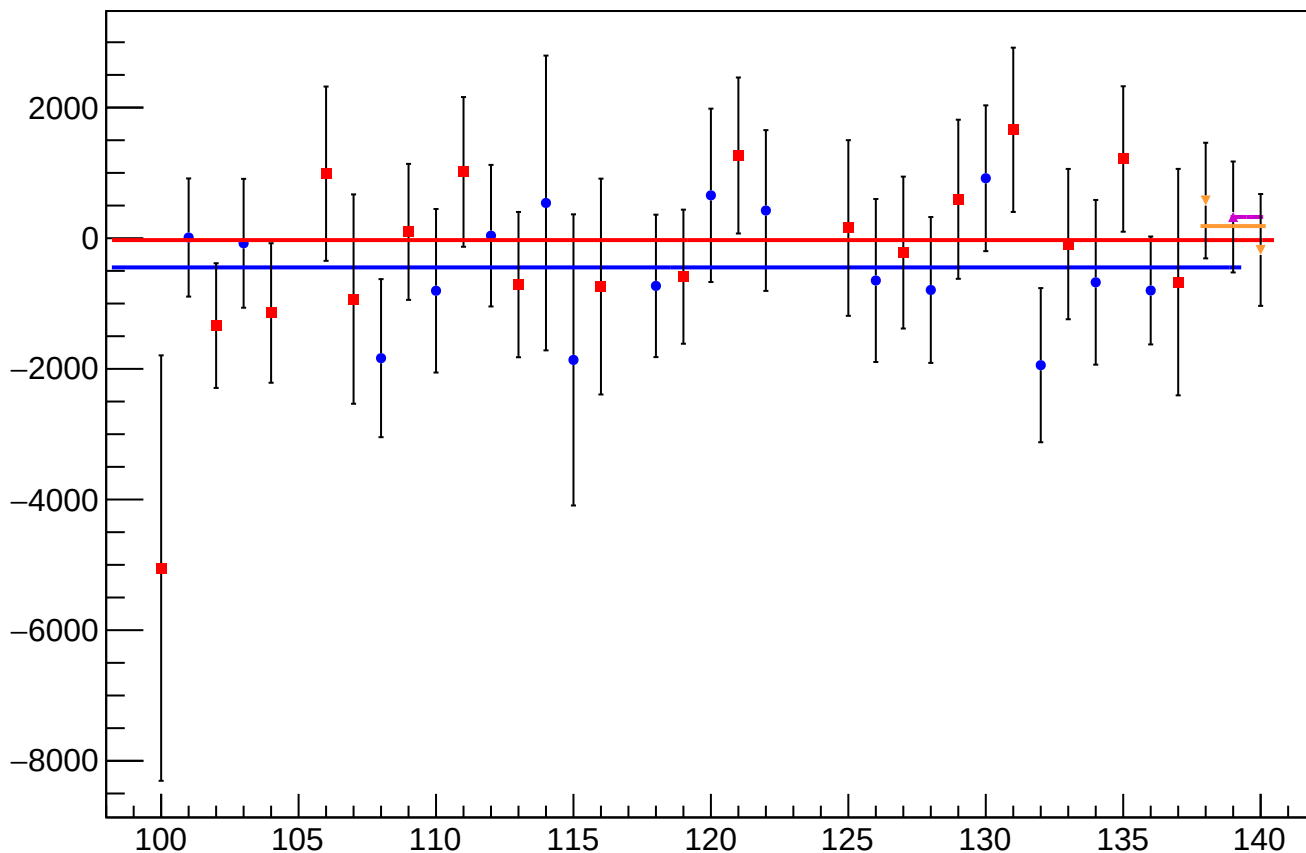
Left In: 608.469+/-0.468 χ^2/NDF : 0.0/0

+ sign 610.767+/-0.153 χ^2/NDF : 1549474.4/17

All: 635.137+/-0.114 χ^2/NDF : 2938086.7/36

- sign 666.283+/-0.173 χ^2/NDF : 1330681.7/18

dit_asym_us_dd_mean vs Slug



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

Left Out: 185.792 ± 615.234 χ^2/NDF : 0.4/1

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

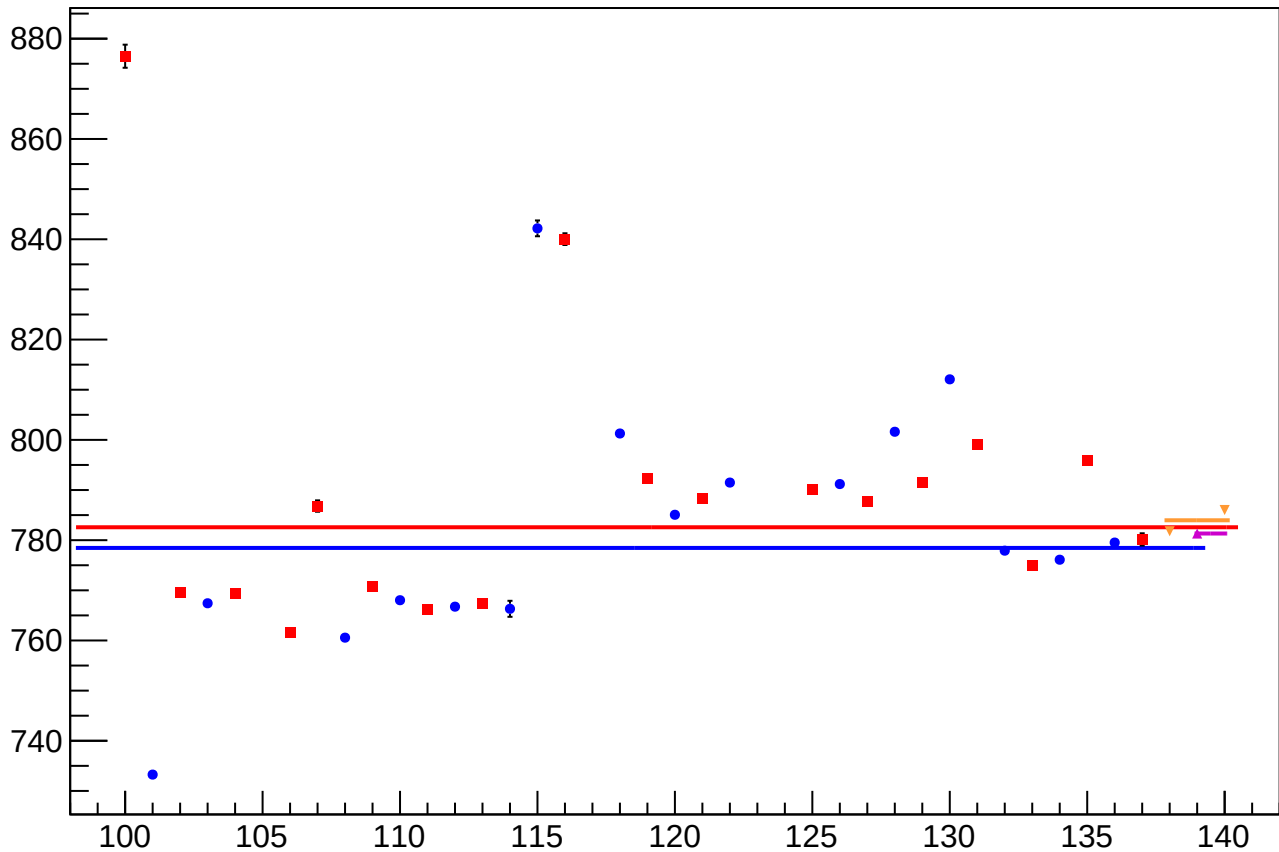
Left In: 325.166 ± 849.227 χ^2/NDF : 0.0/0

+ sign -332.177 ± 261.755 χ^2/NDF : 8.5/17

All: -169.368 ± 188.958 χ^2/NDF : 22.1/36

- sign 7.807 ± 273.059 χ^2/NDF : 12.8/18

dit_asym_us_dd_rms vs Slug



Right In: 778.456 $\pm$ 0.205 χ^2 /NDF: 11795.2/15

Left Out: 783.967 $\pm$ 0.435 χ^2 /NDF:23.6/1

Right Out: 782.575 $\pm$ 0.204 χ^2 /NDF: 7481.4/17

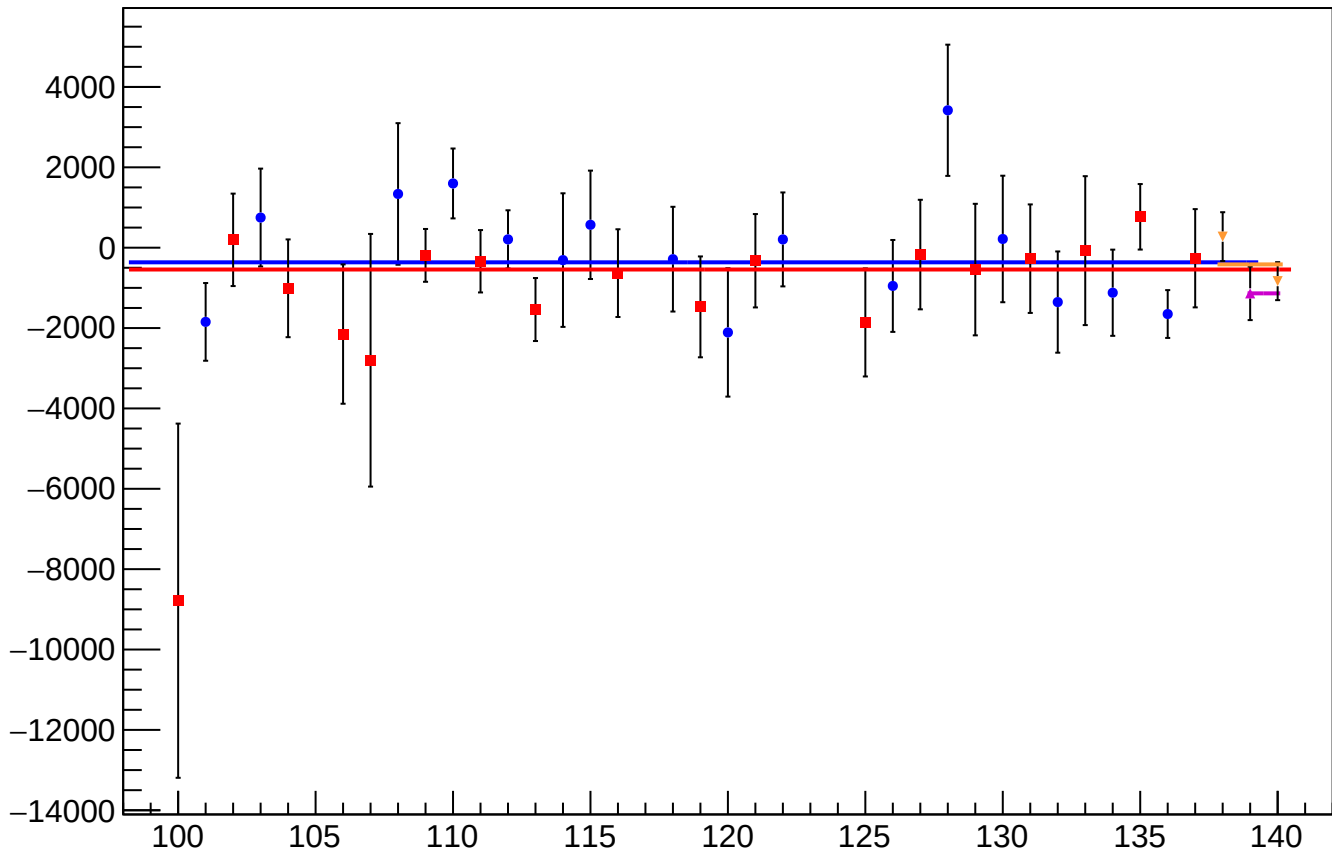
Left In: 781.328 $\pm$ 0.600 χ^2 /NDF:0.0/0

+ sign 779.453 $\pm$ 0.185 χ^2 /NDF: 11950.3/17

All: 780.887 $\pm$ 0.134 χ^2 /NDF: 19560.8/36

- sign 782.446 $\pm$ 0.193 χ^2 /NDF: 7485.3/18

asym_us_dd_dit_correction_mean vs Slug



Right In: -363.977 $\pm$ 269.316 χ^2 /NDF: 23.3/15

Left Out: -415.889 $\pm$ 373.320 χ^2 /NDF: 2.1/1

Right Out: -542.879 $\pm$ 265.273 χ^2 /NDF: 11.8/17

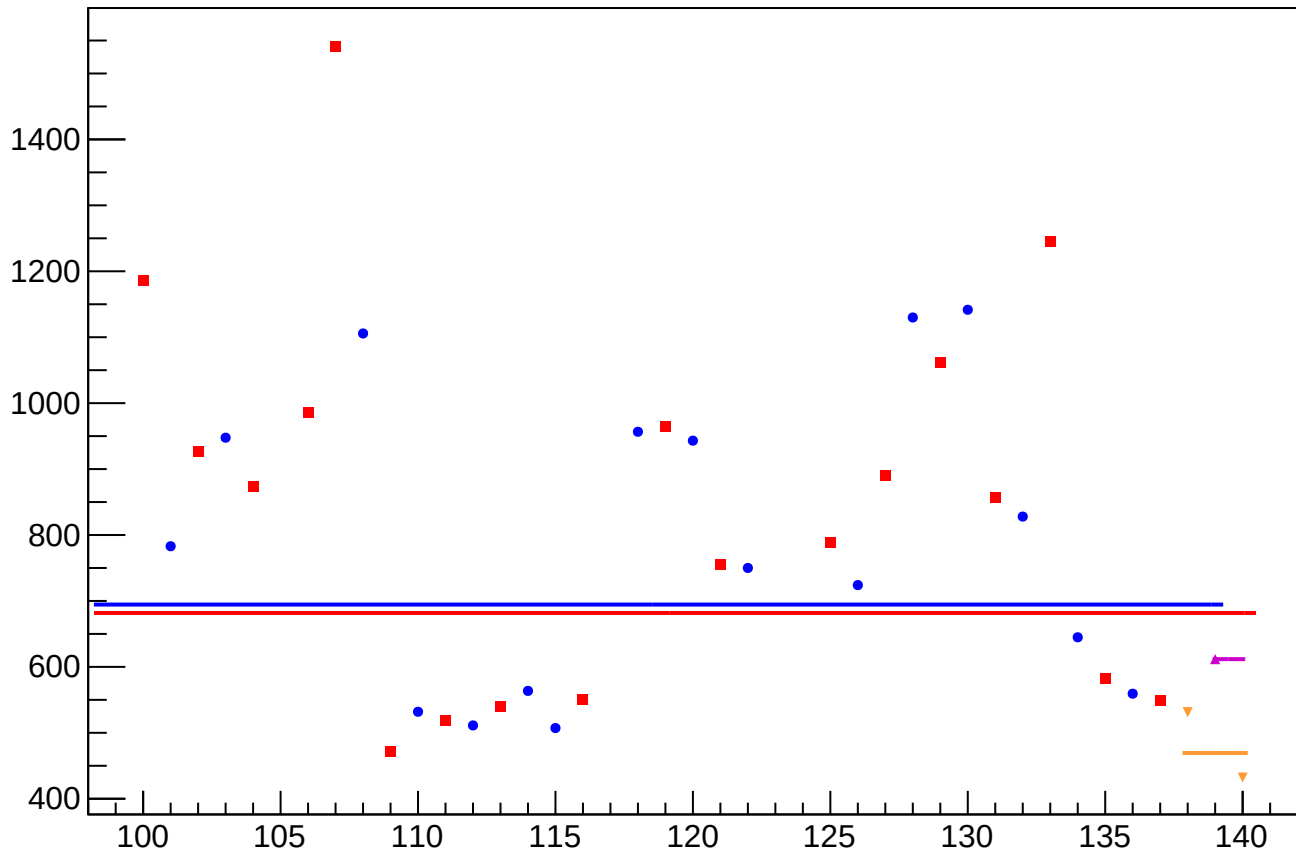
Left In: -1136.699 $\pm$ 665.185 χ^2 /NDF: 0.0/0

+ sign -381.746 $\pm$ 218.413 χ^2 /NDF: 25.4/17

All: -488.497 $\pm$ 163.445 χ^2 /NDF: 38.4/36

- sign -624.360 $\pm$ 246.402 χ^2 /NDF: 12.5/18

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 469.433+/-0.264 χ^2/NDF : 33129.5/1

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

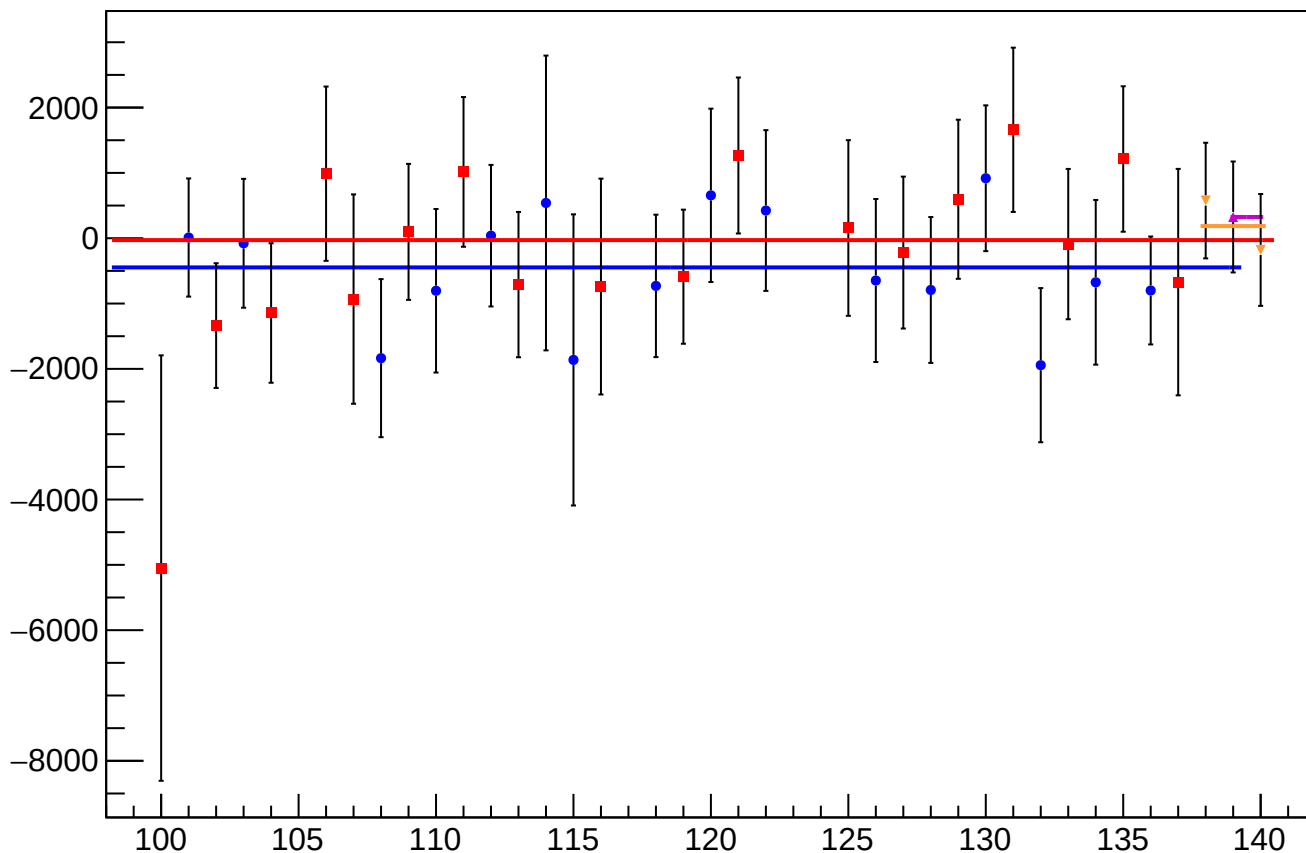
Left In: 611.737+/-0.470 χ^2/NDF : 0.0/0

+ sign 617.477+/-0.154 χ^2/NDF : 1541214.9/17

All: 641.528+/-0.116 χ^2/NDF : 2926767.1/36

- sign 672.138+/-0.174 χ^2/NDF : 1330435.7/18

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: 185.794 ± 615.234 χ^2/NDF : 0.4/1

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

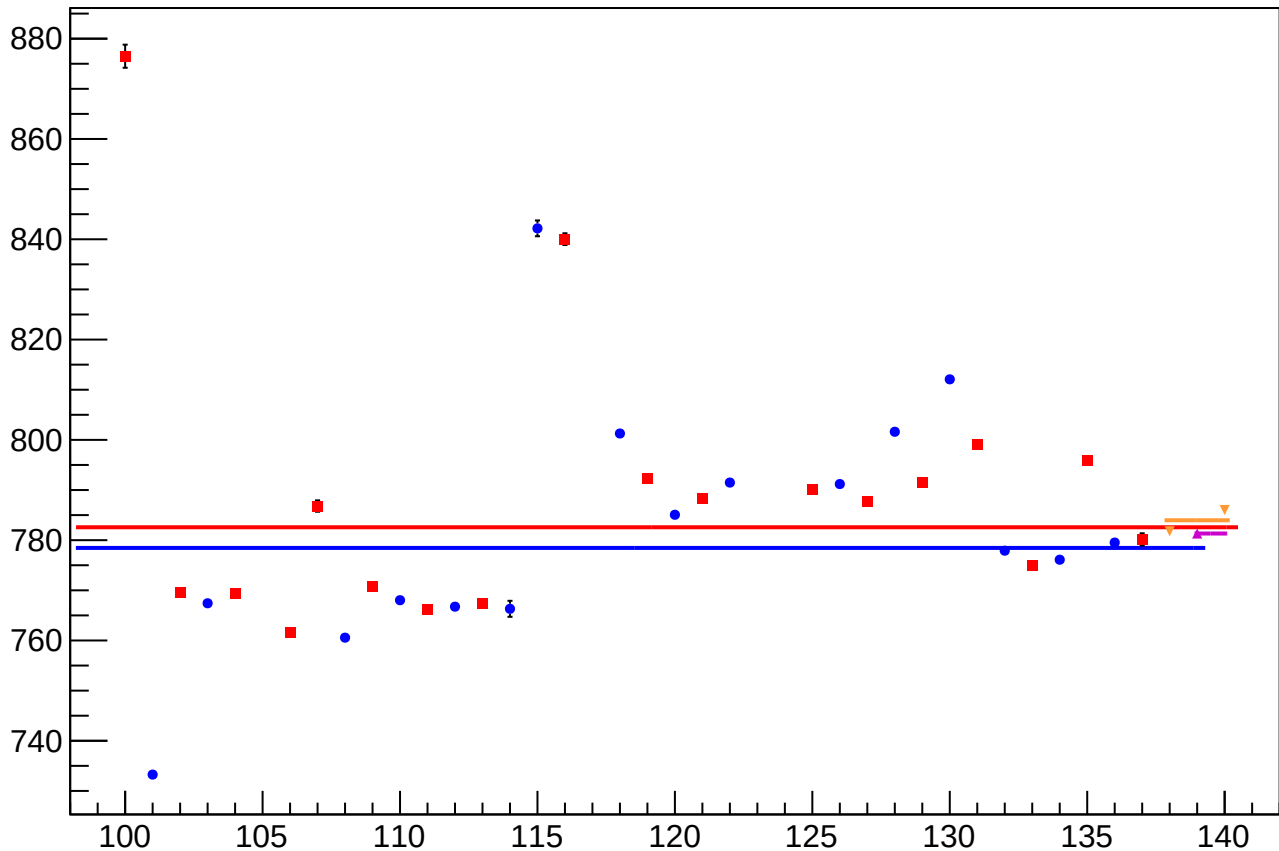
Left In: 325.157 ± 849.227 χ^2/NDF : 0.0/0

+ sign -332.177 ± 261.755 χ^2/NDF : 8.5/17

All: -169.367 ± 188.958 χ^2/NDF : 22.1/36

- sign 7.807 ± 273.059 χ^2/NDF : 12.8/18

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.456 $\pm$ 0.205 χ^2 /NDF: 11795.2/15

Left Out: 783.967 $\pm$ 0.435 χ^2 /NDF: 23.6/1

Right Out: 782.575 $\pm$ 0.204 χ^2 /NDF: 7481.4/17

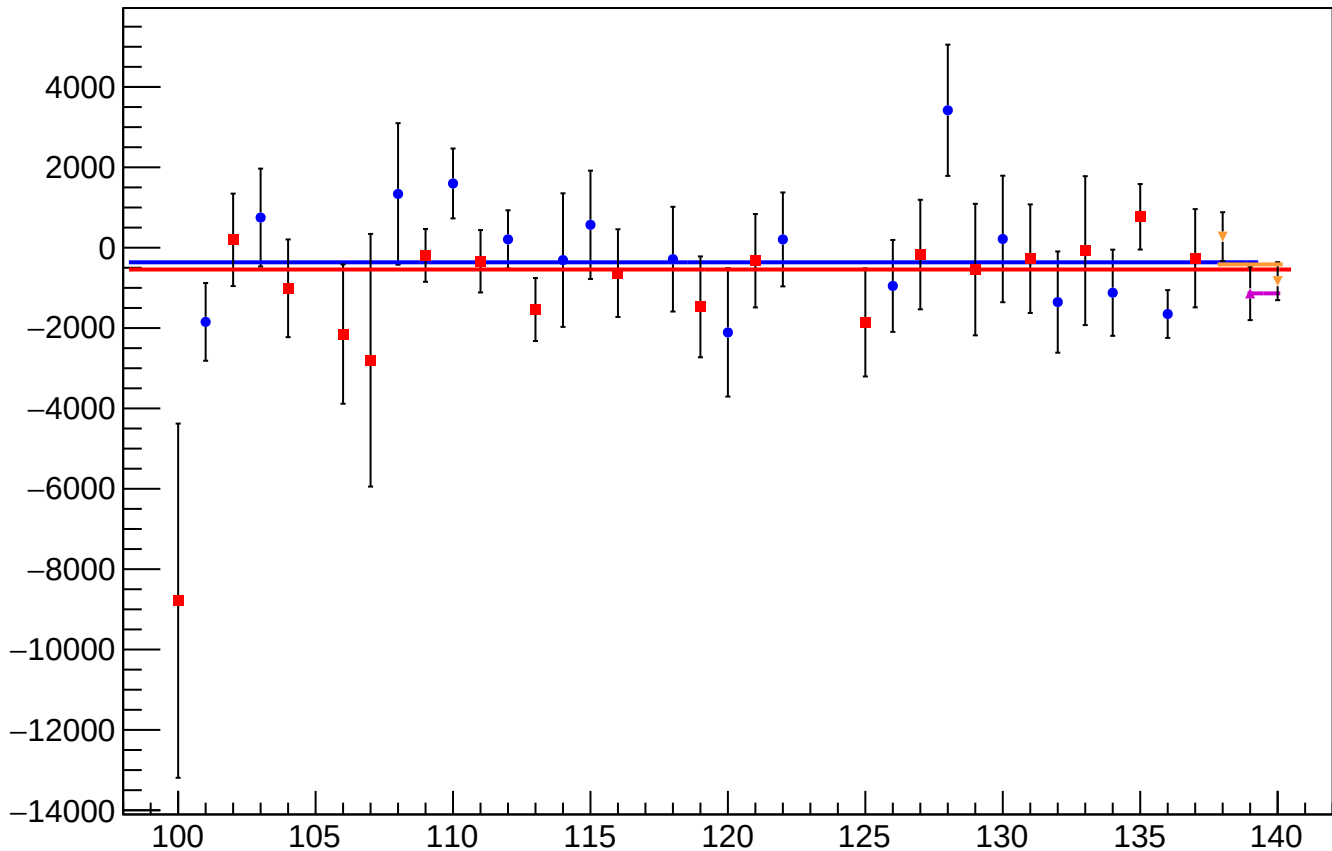
Left In: 781.328 $\pm$ 0.600 χ^2 /NDF: 0.0/0

+ sign 779.453 $\pm$ 0.185 χ^2 /NDF: 11950.2/17

All: 780.887 $\pm$ 0.134 χ^2 /NDF: 19560.7/36

- sign 782.446 $\pm$ 0.193 χ^2 /NDF: 7485.3/18

asym_us_dd_eigen_dit_correction_mean vs Slug



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

Left Out: -415.893+/-373.320 χ^2 /NDF: 2.1/1

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

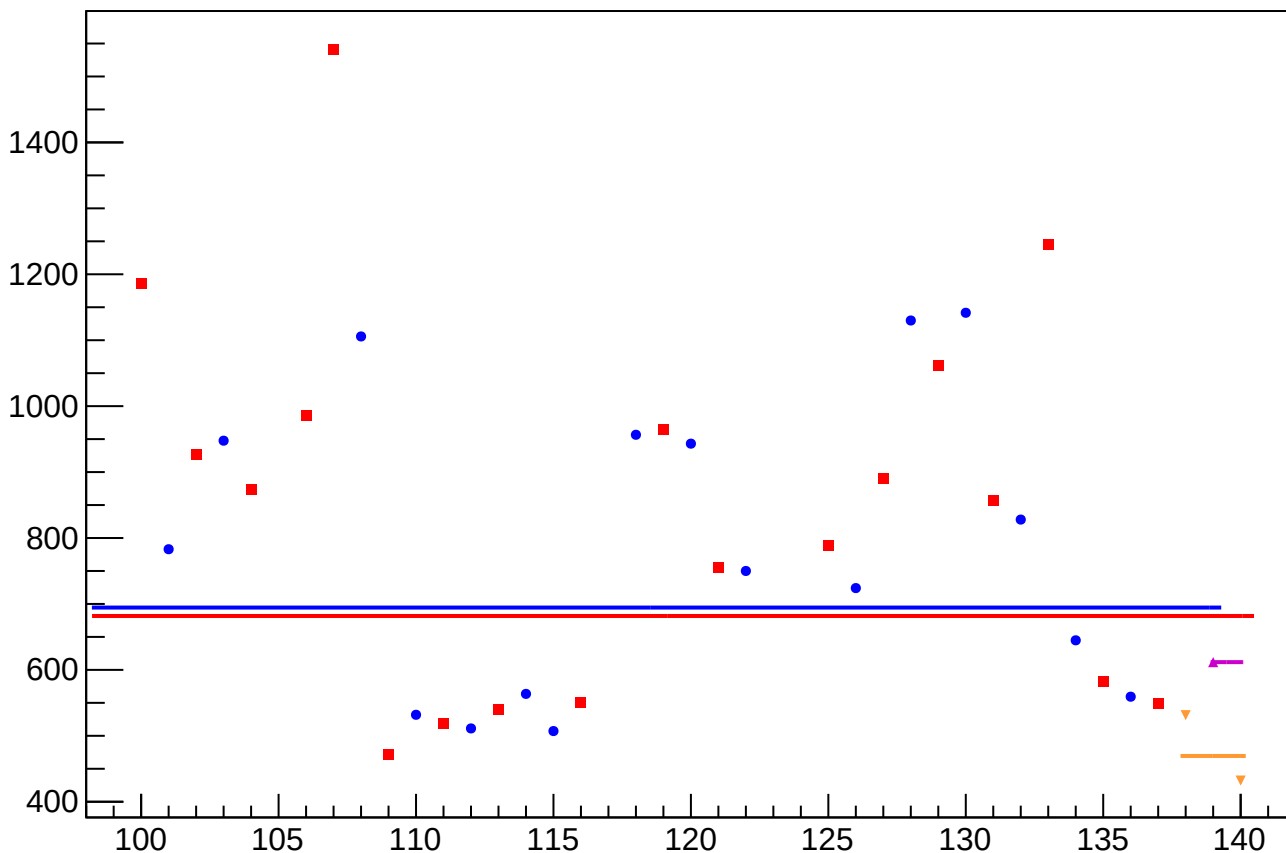
Left In: -1136.707+/-665.190 χ^2 /NDF: 0.0/0

+ sign -381.745+/-218.413 χ^2 /NDF: 25.4/17

All: -488.495+/-163.445 χ^2 /NDF: 38.4/36

- sign -624.359+/-246.402 χ^2 /NDF: 12.5/18

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 469.433+/-0.264 χ^2/NDF : 33133.5/1

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

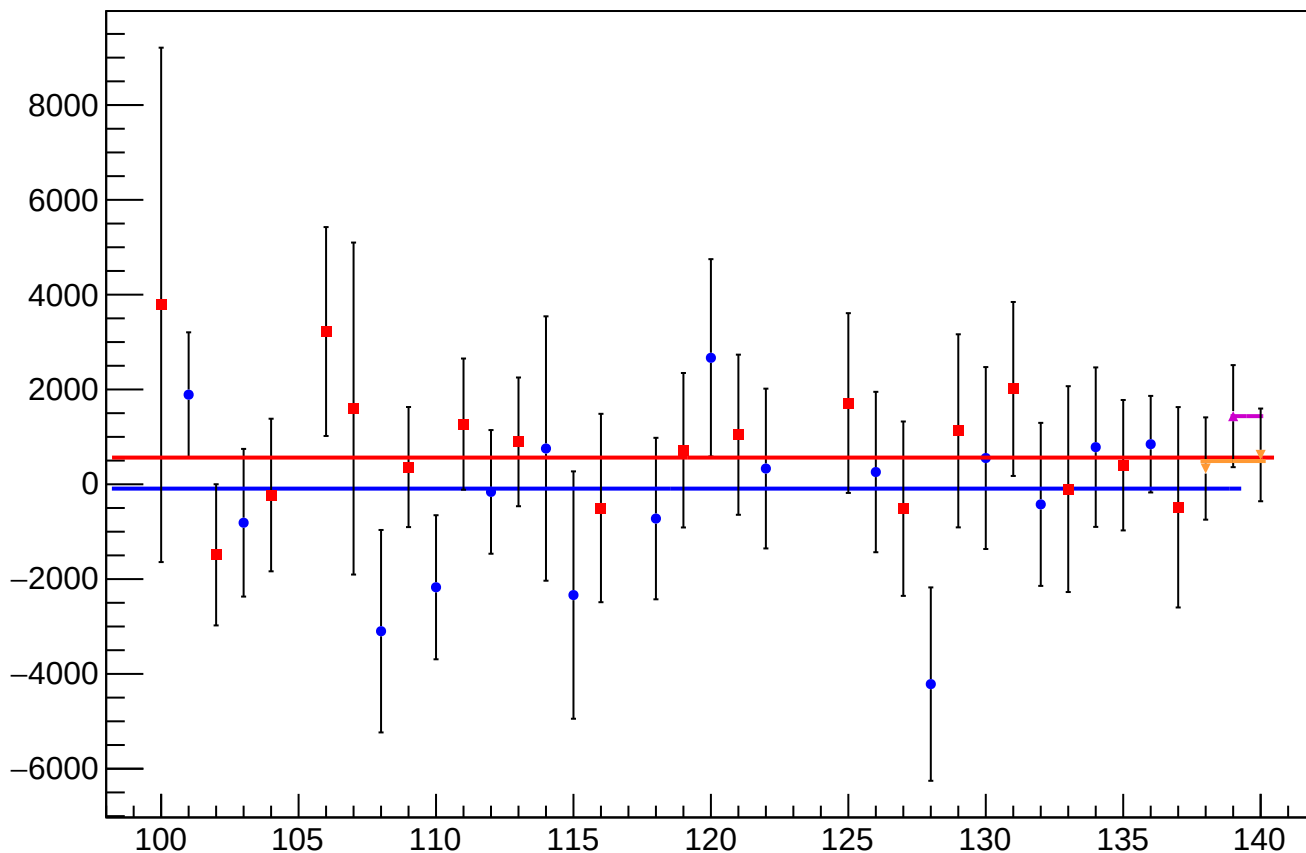
Left In: 611.742+/-0.470 χ^2/NDF : 0.0/0

+ sign 617.475+/-0.154 χ^2/NDF : 1541217.1/17

All: 641.526+/-0.116 χ^2/NDF : 2926784.5/36

- sign 672.136+/-0.174 χ^2/NDF : 1330450.9/18

asym_us_dd_mean vs Slug



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

Left Out: 490.305 ± 724.511 χ^2/NDF : 0.0/1

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

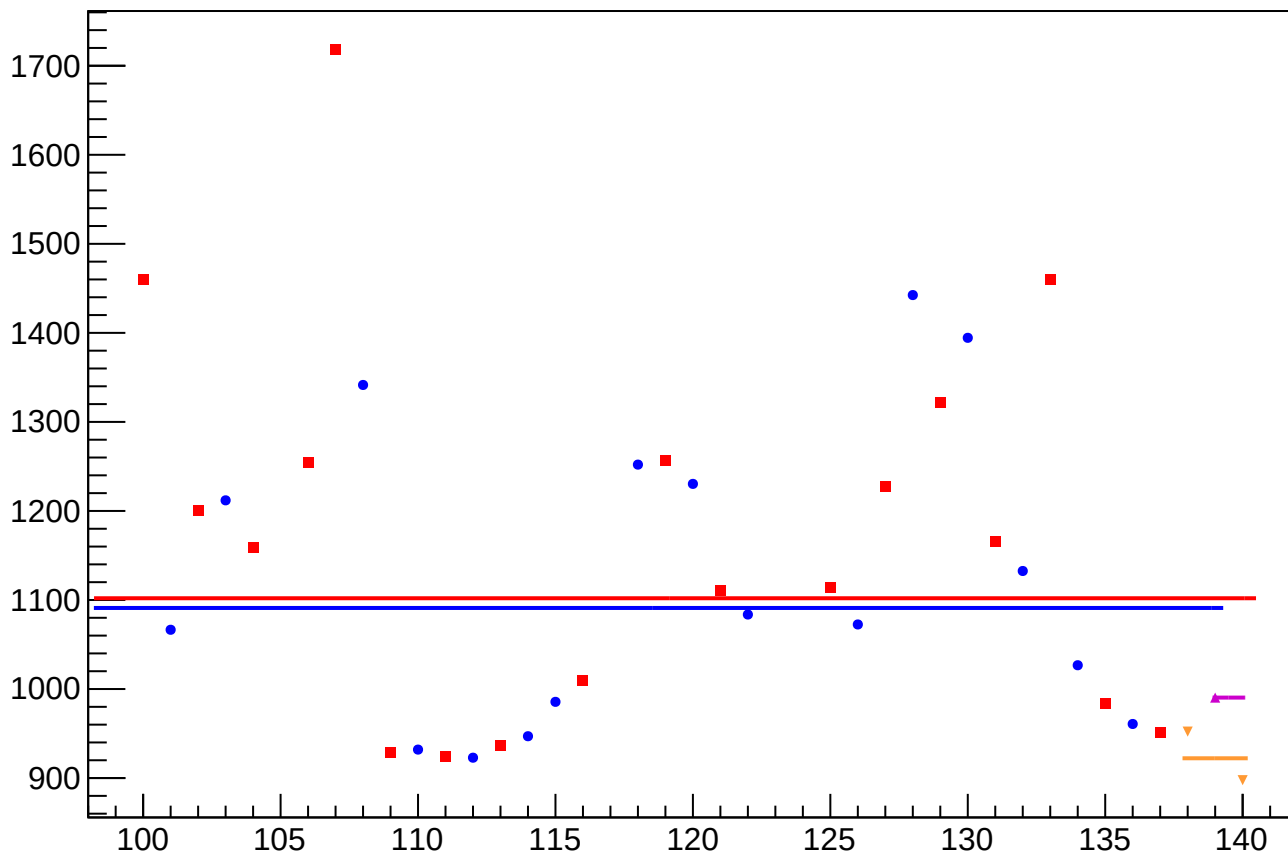
Left In: 1437.521 ± 1076.494 χ^2/NDF : 0.0/0

+ sign 49.749 ± 356.798 χ^2/NDF : 15.1/17

All: 338.999 ± 261.517 χ^2/NDF : 23.6/36

- sign 674.780 ± 384.427 χ^2/NDF : 7.1/18

asym_us_dd_rms vs Slug



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

Left Out: 922.221+/-0.512 χ^2/NDF : 2807.5/1

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

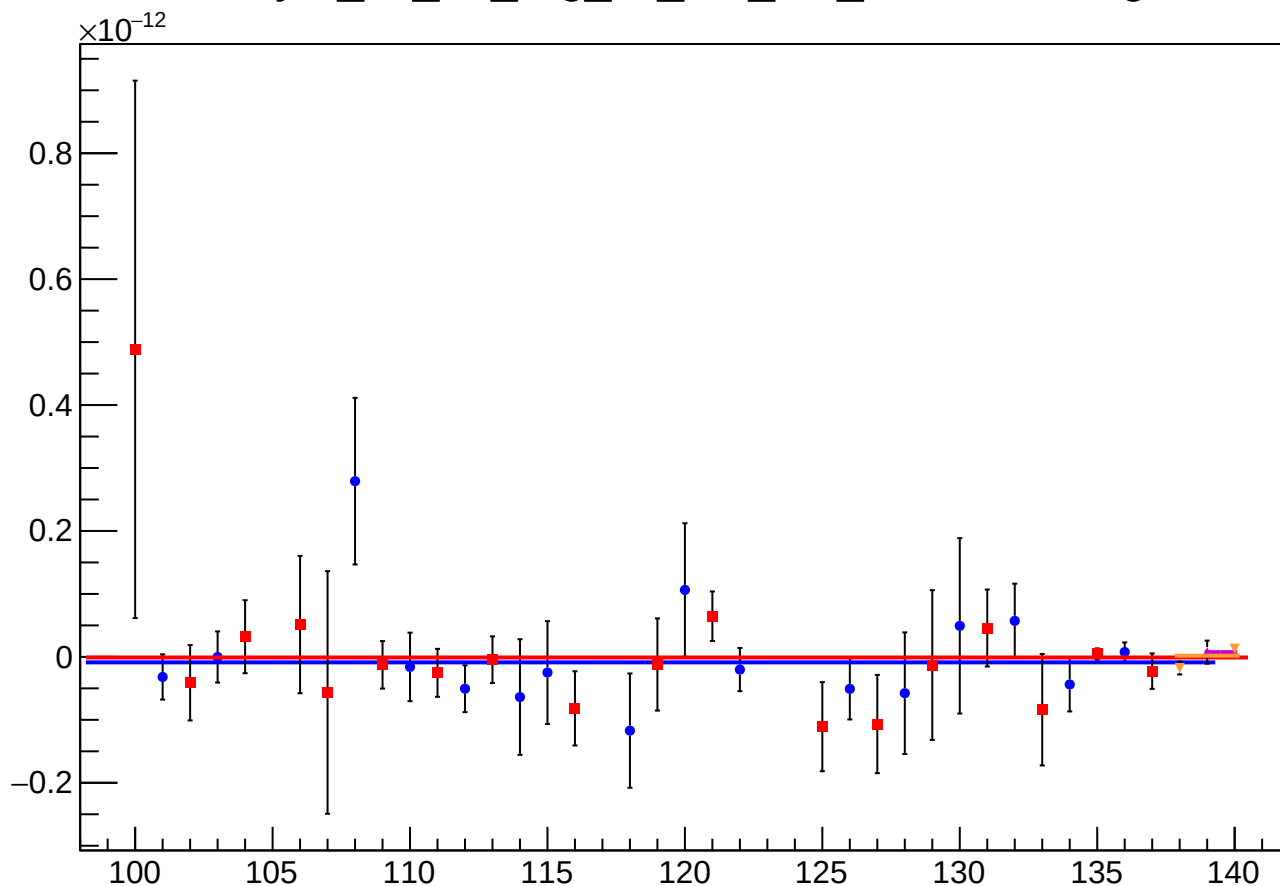
Left In: 990.376+/-0.761 χ^2/NDF : 0.0/0

+ sign 1050.098+/-0.252 χ^2/NDF : 362366.2/17

All: 1067.510+/-0.185 χ^2/NDF : 719512.5/36

- sign 1087.724+/-0.272 χ^2/NDF : 346853.6/18

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 : 5.7/1

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

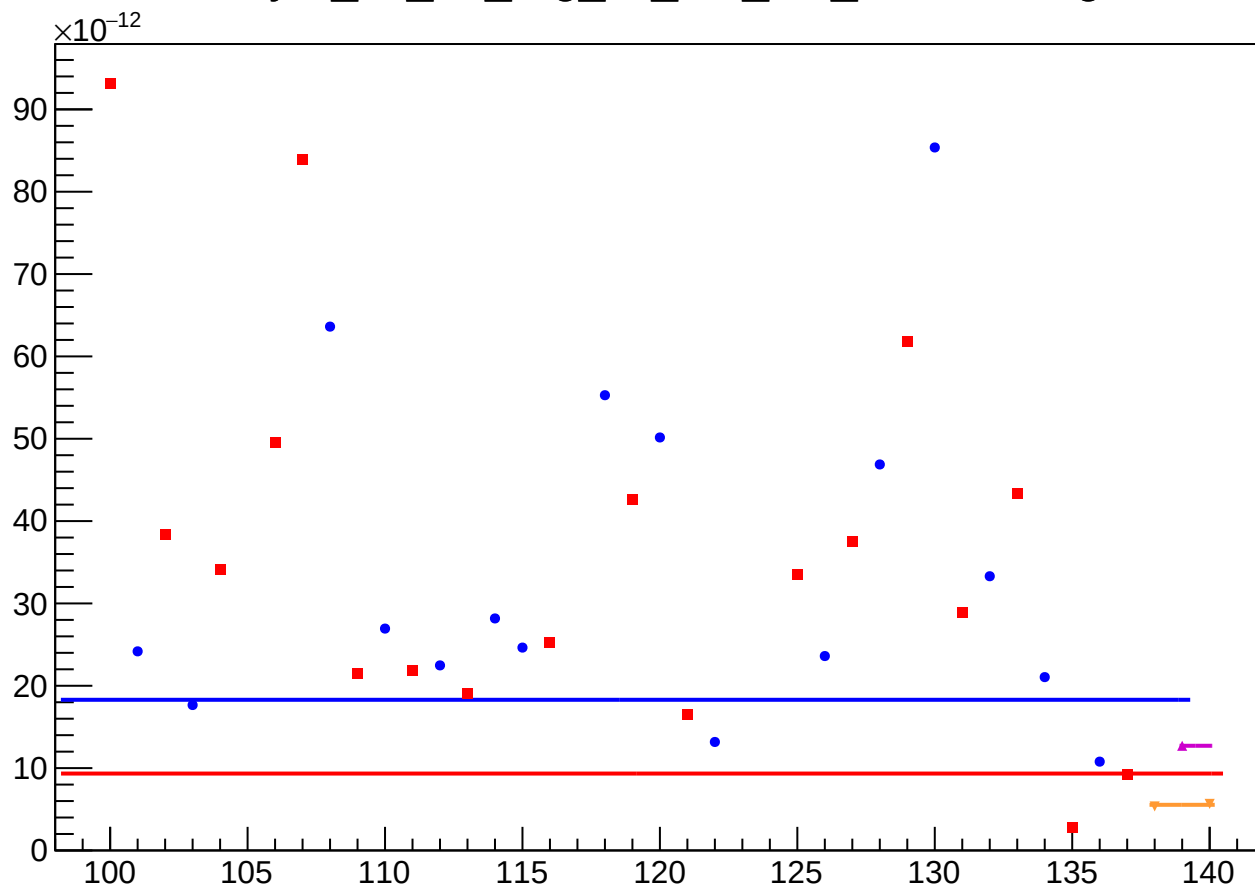
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 20.3/17

All: -0.000 ± 0.000 χ^2/NDF : 34.8/36

- sign 0.000 ± 0.000 χ^2/NDF : 14.5/18

asym_us_dd_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 1156.8/1

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

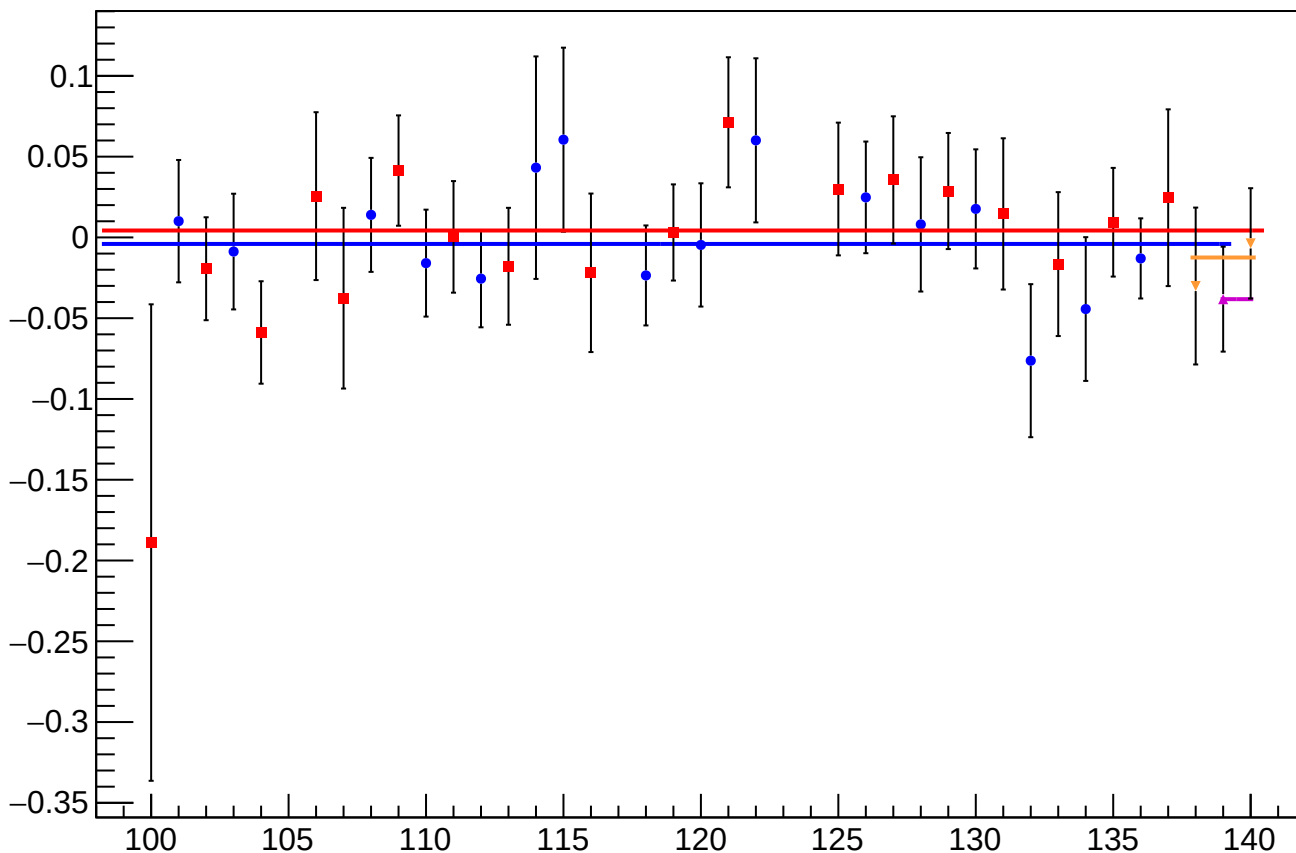
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4518982.2/17

All: 0.000+/-0.000 χ^2/NDF : 9737791.4/36

- sign 0.000+/-0.000 χ^2/NDF : 5199236.1/18

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.012 ± 0.028 χ^2/NDF : 0.2/1

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

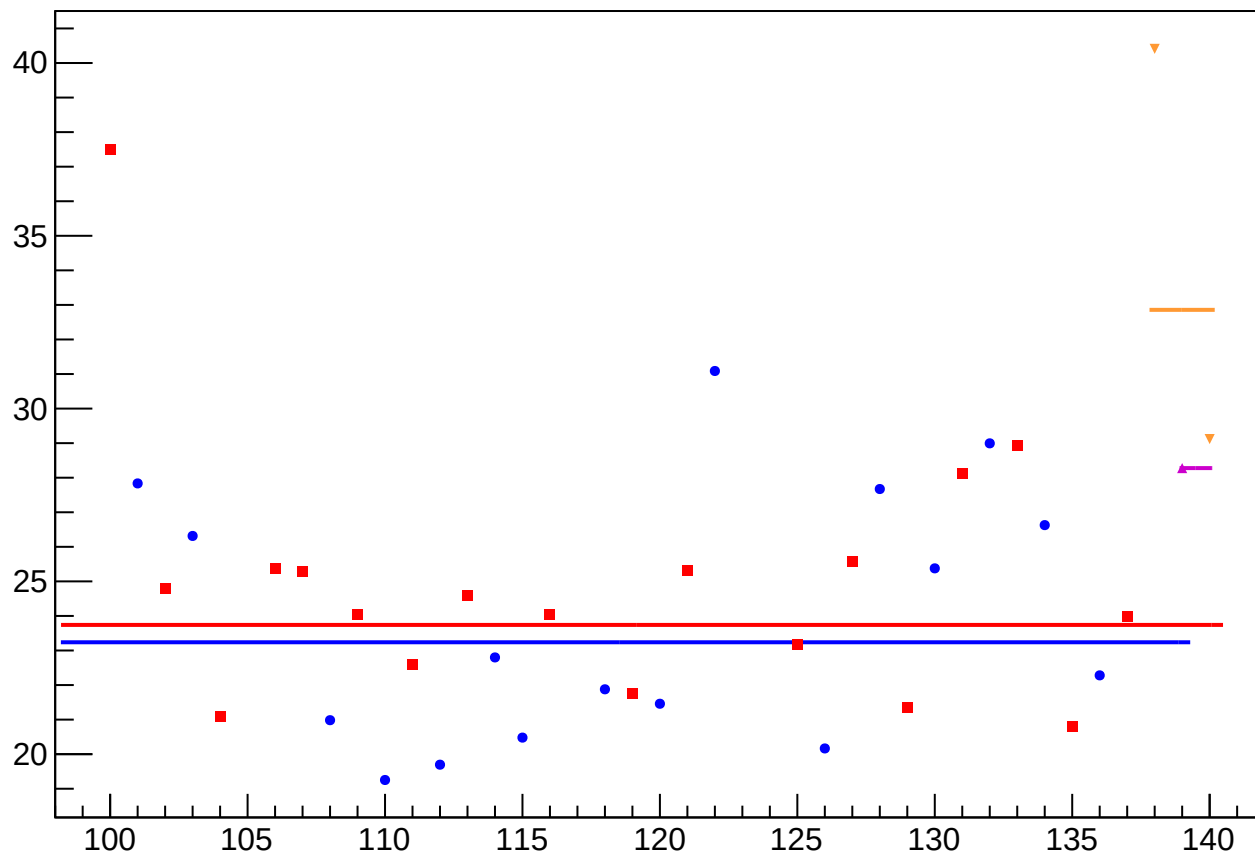
Left In: -0.038 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.009 χ^2/NDF : 9.5/17

All: -0.002 ± 0.006 χ^2/NDF : 24.8/36

- sign 0.001 ± 0.009 χ^2/NDF : 15.1/18

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238 $\pm$ 0.007 χ^2 /NDF: 259235.5/15

Left Out: 32.857 $\pm$ 0.020 χ^2 /NDF: 72322.2/1

Right Out: 23.740 $\pm$ 0.007 χ^2 /NDF: 126183.6/17

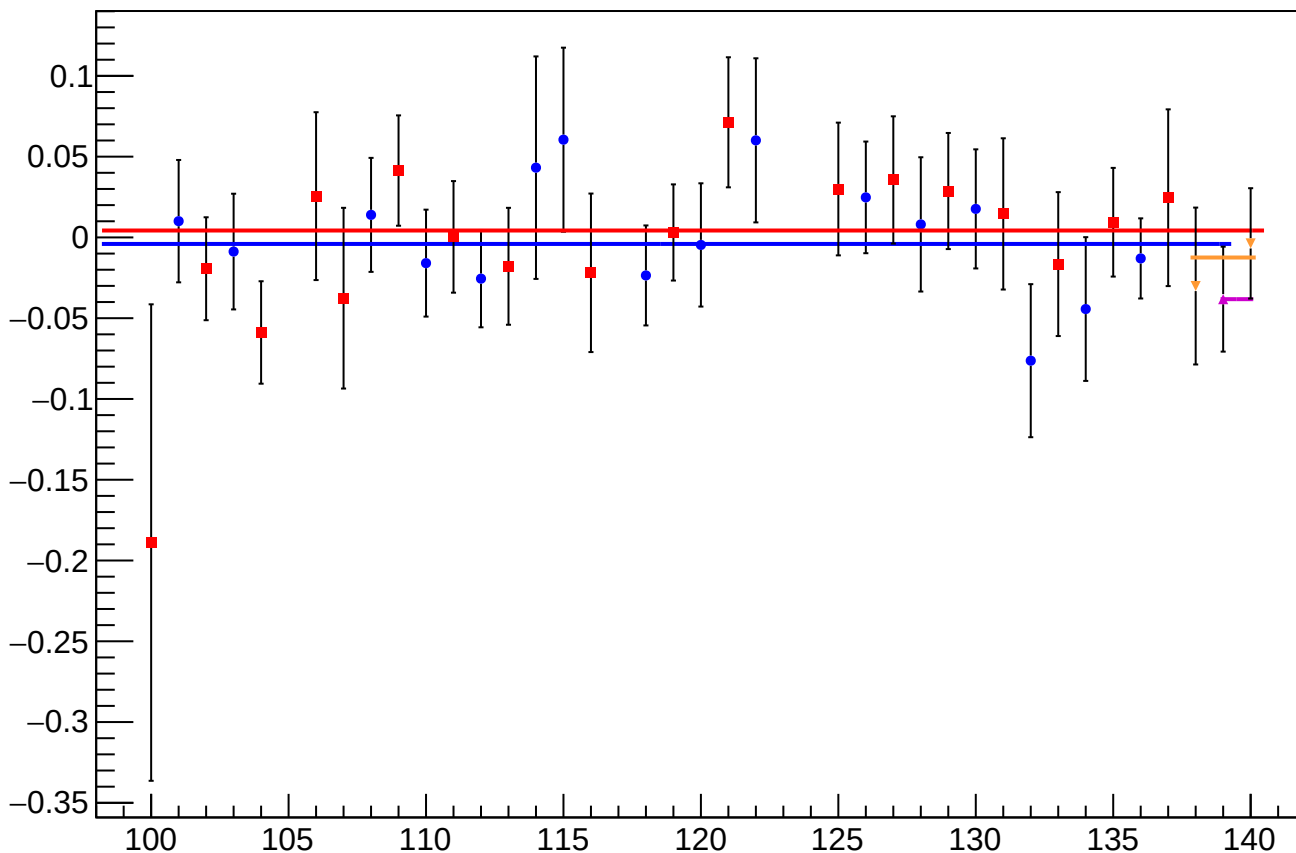
Left In: 28.278 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 24.190 $\pm$ 0.006 χ^2 /NDF: 545098.9/17

All: 24.138 $\pm$ 0.004 χ^2 /NDF: 707493.1/36

- sign 24.085 $\pm$ 0.006 χ^2 /NDF: 162254.8/18

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: -0.012 ± 0.028 χ^2/NDF : 0.2/1

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

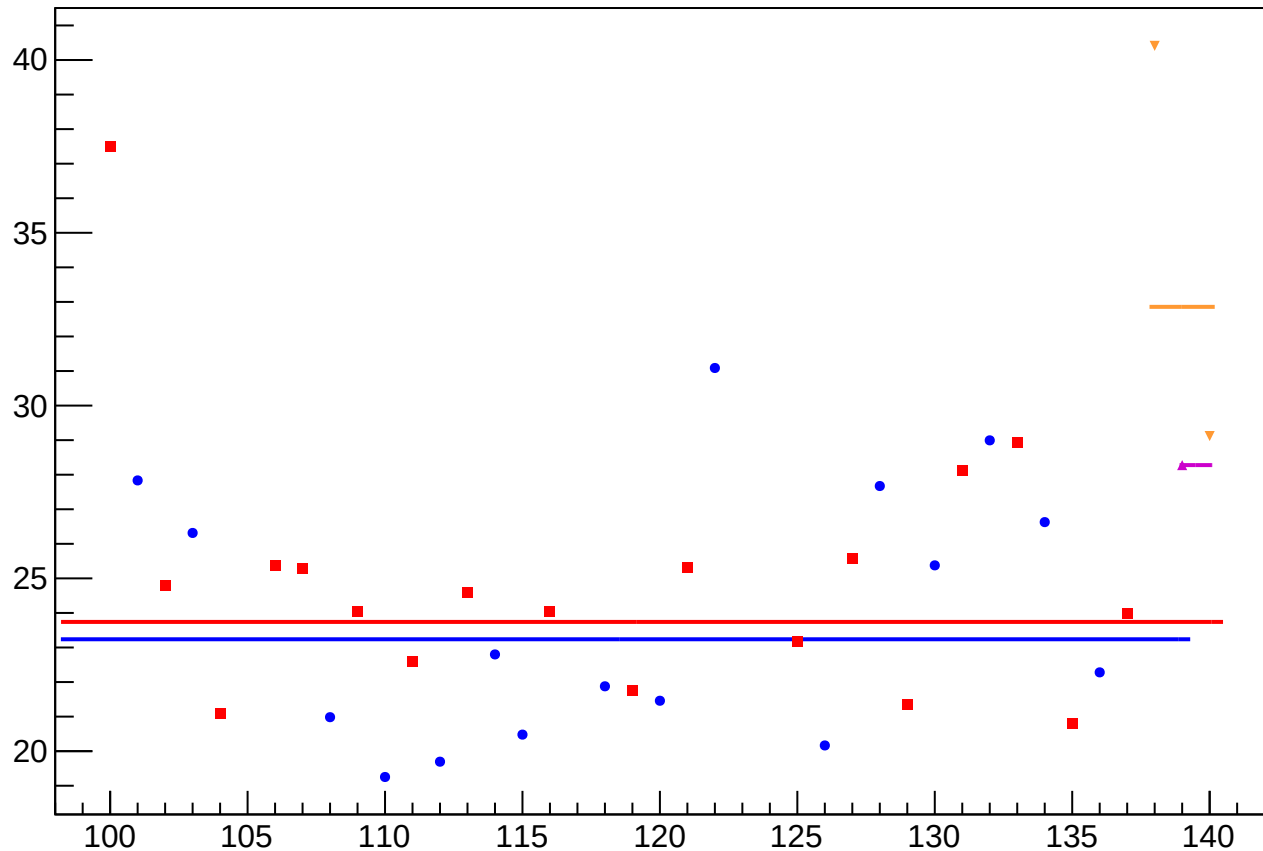
Left In: -0.038 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.009 χ^2/NDF : 9.5/17

All: -0.002 ± 0.006 χ^2/NDF : 24.8/36

- sign 0.001 ± 0.009 χ^2/NDF : 15.1/18

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.238 $\pm$ 0.007 χ^2 /NDF: 259235.5/15

Left Out: 32.857 $\pm$ 0.020 χ^2 /NDF: 72322.2/1

Right Out: 23.740 $\pm$ 0.007 χ^2 /NDF: 126183.6/17

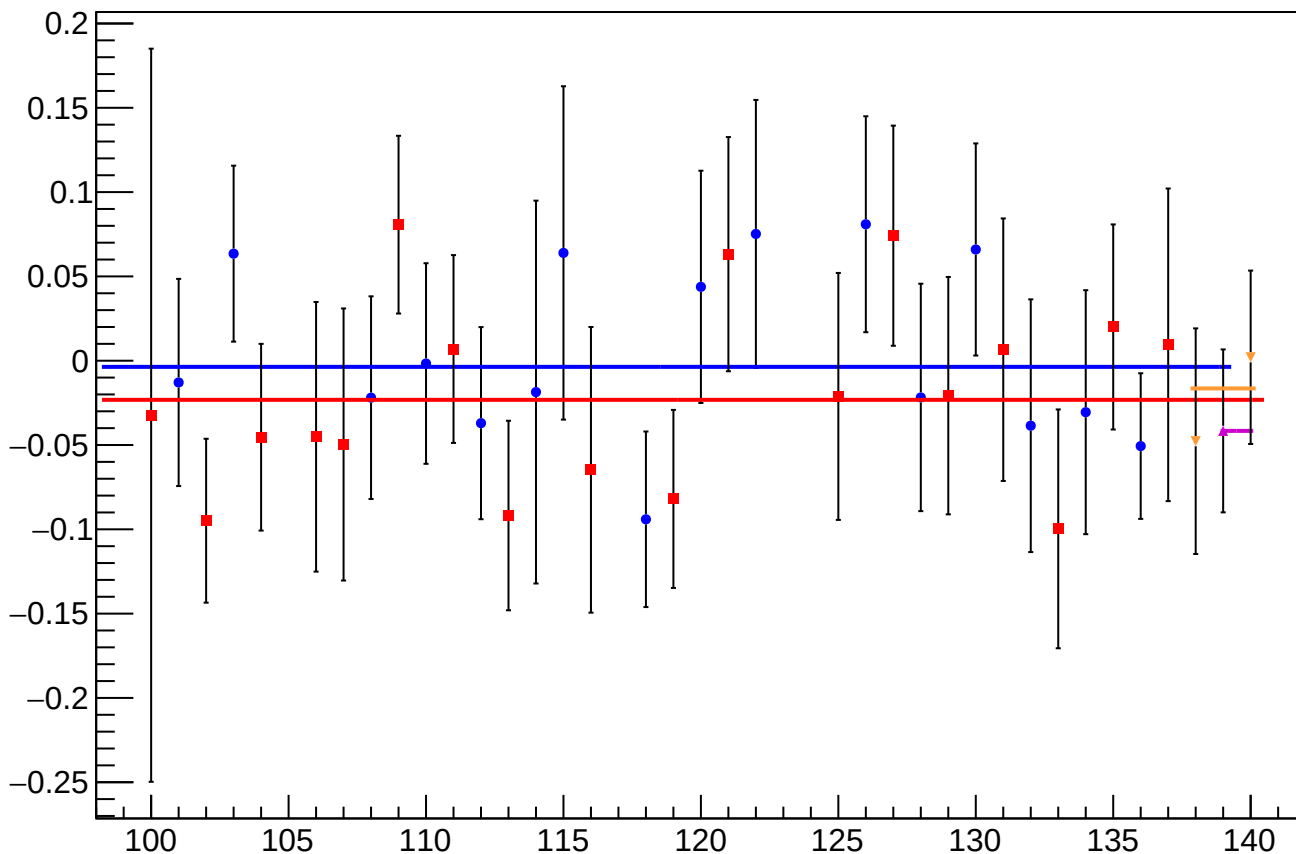
Left In: 28.278 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 24.190 $\pm$ 0.006 χ^2 /NDF: 545098.9/17

All: 24.138 $\pm$ 0.004 χ^2 /NDF: 707493.1/36

- sign 24.085 $\pm$ 0.006 χ^2 /NDF: 162254.8/18

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: -0.016 ± 0.041 χ^2/NDF : 0.3/1

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

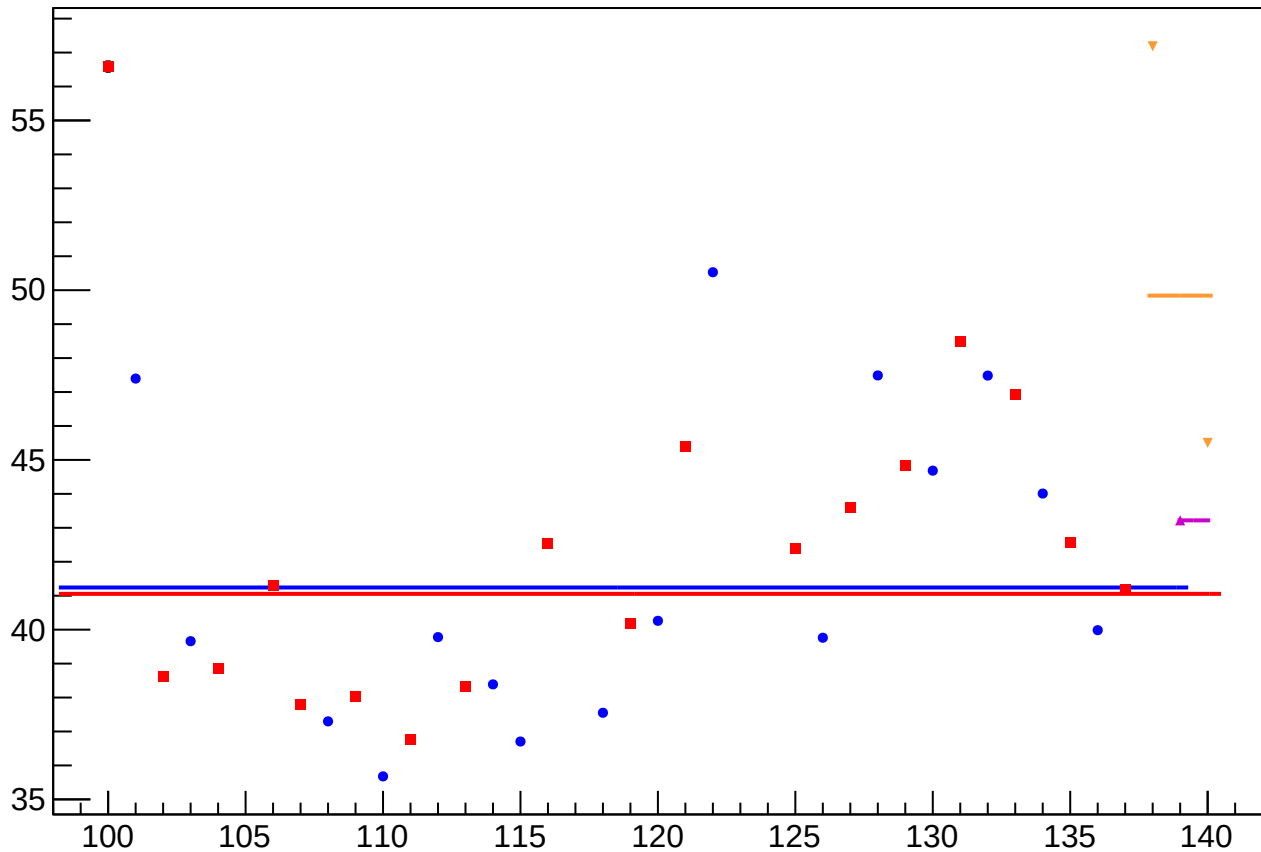
Left In: -0.042 ± 0.048 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.015 χ^2/NDF : 12.1/17

All: -0.015 ± 0.010 χ^2/NDF : 28.5/36

- sign -0.025 ± 0.015 χ^2/NDF : 15.5/18

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242 $\pm$ 0.011 χ^2 /NDF: 135279.1/15

Left Out: 49.840 $\pm$ 0.029 χ^2 /NDF: 38338.1/1

Right Out: 41.055 $\pm$ 0.011 χ^2 /NDF: 96560.6/17

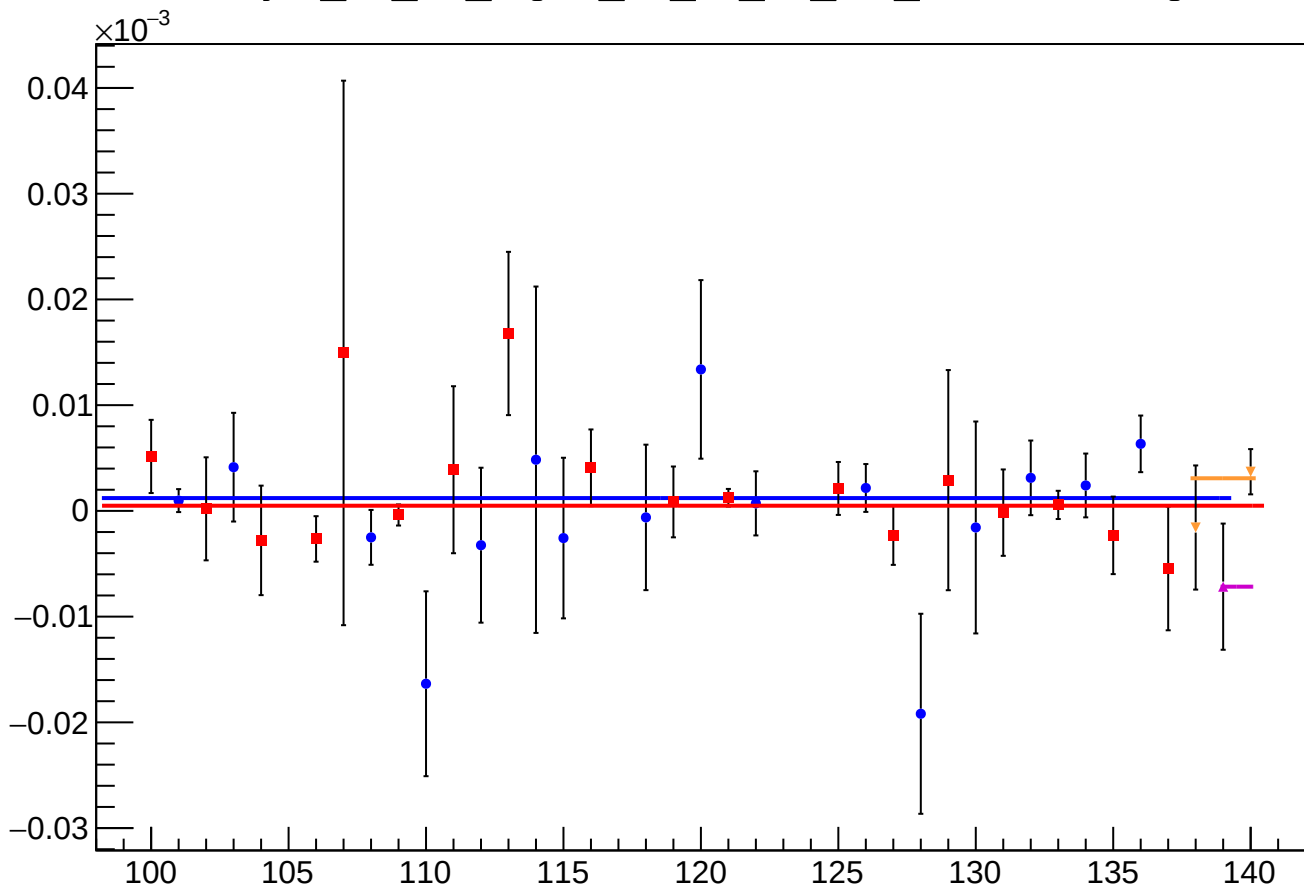
Left In: 43.219 $\pm$ 0.034 χ^2 /NDF: 0.0/0

+ sign 42.356 $\pm$ 0.010 χ^2 /NDF: 251044.6/17

All: 41.810 $\pm$ 0.007 χ^2 /NDF: 356821.6/36

- sign 41.257 $\pm$ 0.010 χ^2 /NDF: 100201.4/18

asym_us_dd_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 : 0.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.0/17

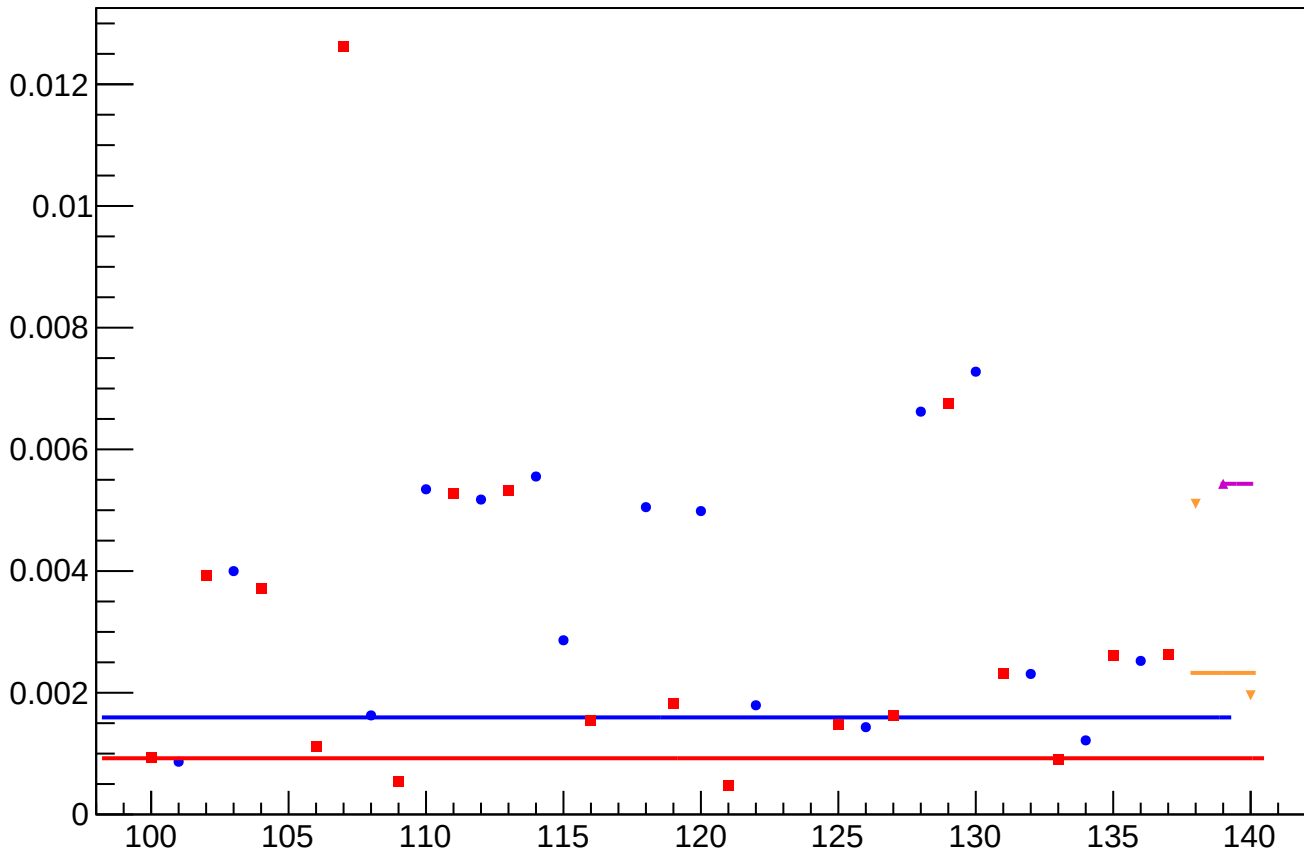
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 19.8/17

All: 0.000 ± 0.000 χ^2/NDF : 37.8/36

- sign 0.000 ± 0.000 χ^2/NDF : 16.6/18

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 : 507493.6/1

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

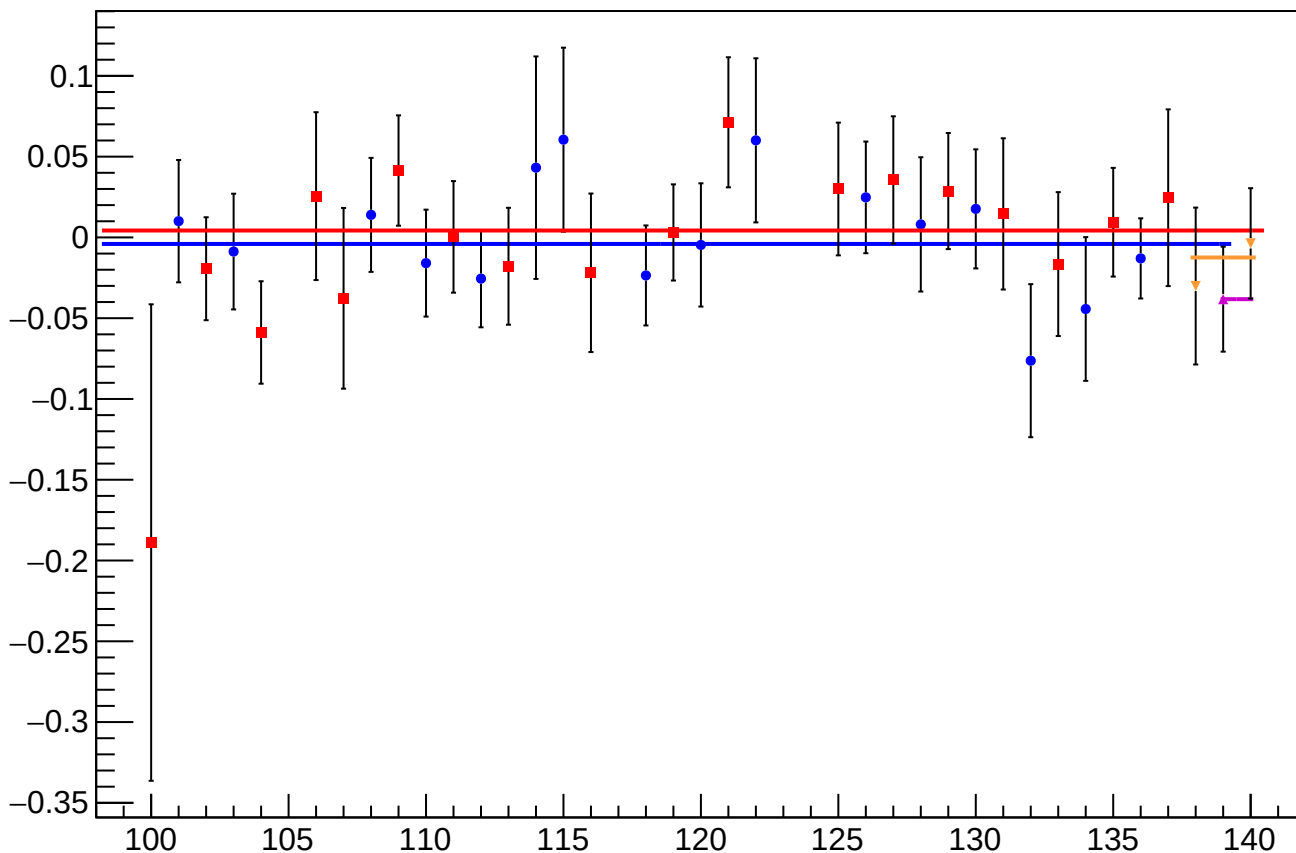
Left In: 0.005 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.002 ± 0.000 χ^2/NDF : 5501986.9/17

All: 0.001 ± 0.000 χ^2/NDF : 13857176.6/36

- sign 0.001 ± 0.000 χ^2/NDF : 6915340.5/18

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: -0.012 ± 0.028 χ^2/NDF : 0.2/1

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

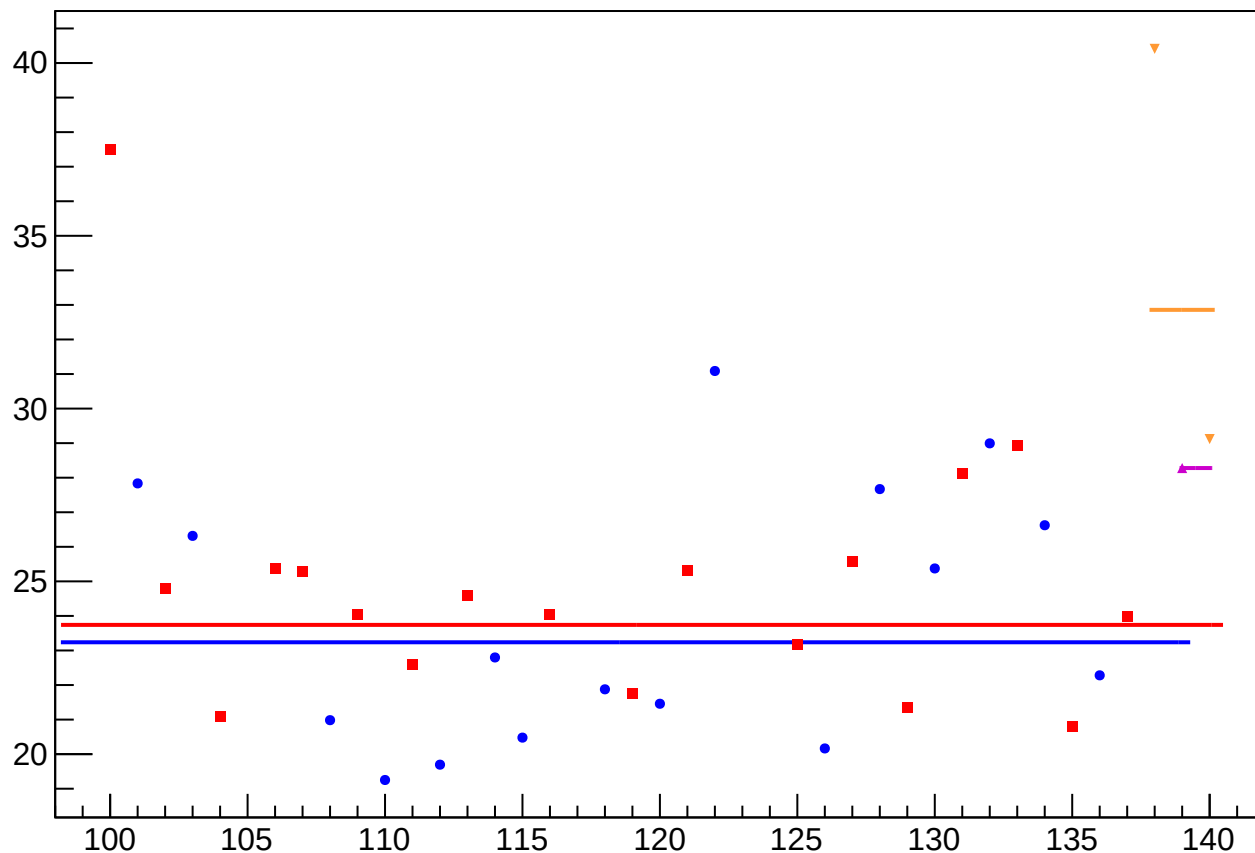
Left In: -0.038 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.009 χ^2/NDF : 9.5/17

All: -0.002 ± 0.006 χ^2/NDF : 24.8/36

- sign 0.001 ± 0.009 χ^2/NDF : 15.1/18

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237 $\pm$ 0.007 χ^2 /NDF: 259224.2/15

Left Out: 32.857 $\pm$ 0.020 χ^2 /NDF: 72330.0/1

Right Out: 23.741 $\pm$ 0.007 χ^2 /NDF: 126132.7/17

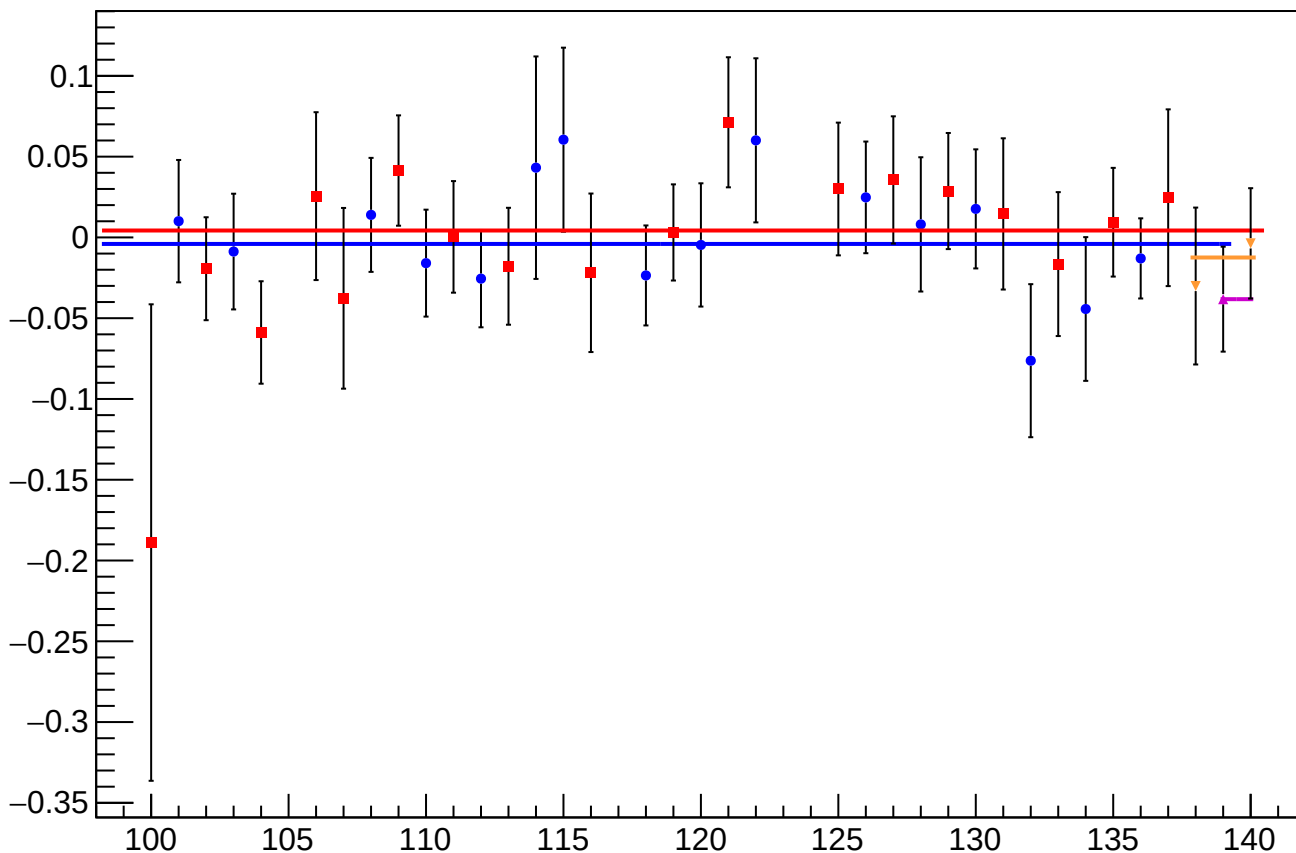
Left In: 28.279 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 24.189 $\pm$ 0.006 χ^2 /NDF: 545122.8/17

All: 24.138 $\pm$ 0.004 χ^2 /NDF: 707478.6/36

- sign 24.085 $\pm$ 0.006 χ^2 /NDF: 162218.9/18

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.012 ± 0.028 χ^2/NDF : 0.2/1

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

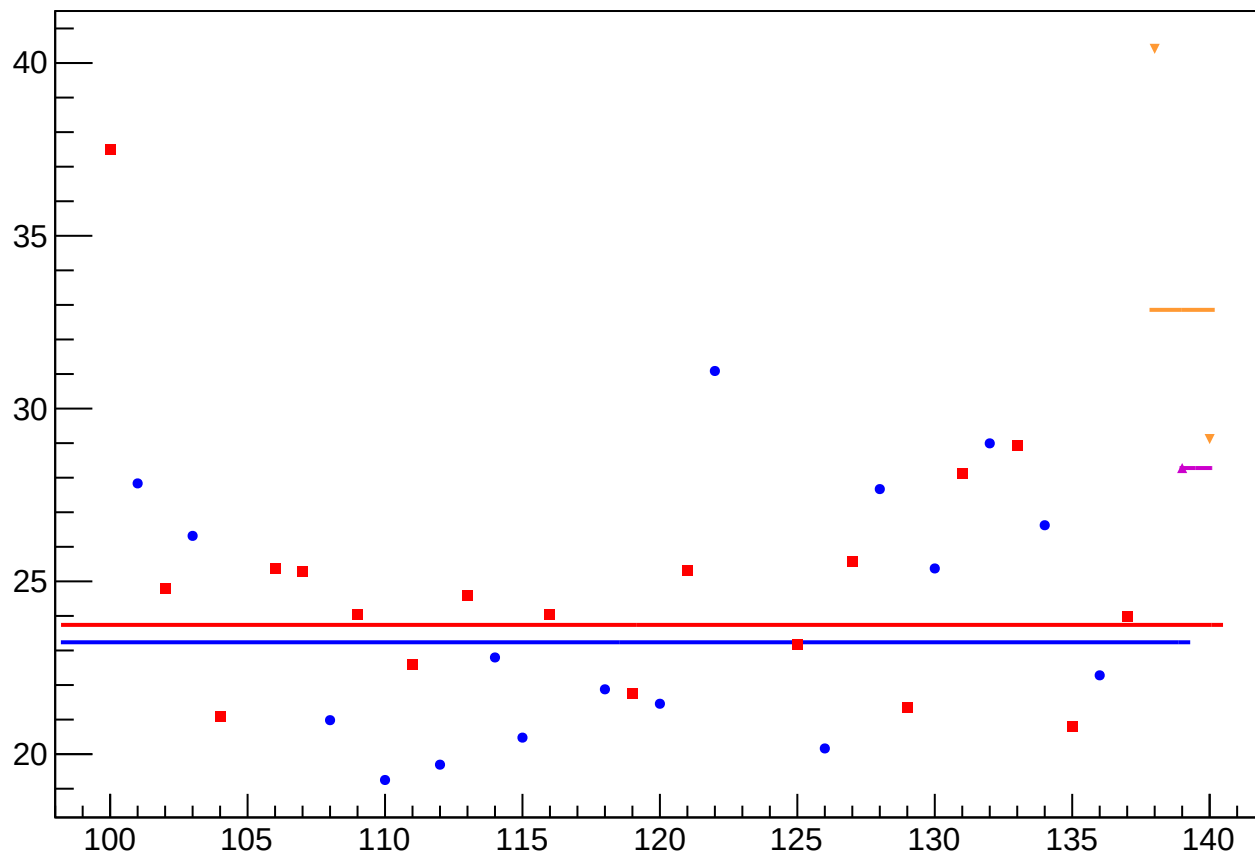
Left In: -0.038 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.009 χ^2/NDF : 9.5/17

All: -0.002 ± 0.006 χ^2/NDF : 24.8/36

- sign 0.001 ± 0.009 χ^2/NDF : 15.1/18

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.237 $\pm$ 0.007 χ^2 /NDF: 259224.2/15

Left Out: 32.857 $\pm$ 0.020 χ^2 /NDF: 72330.0/1

Right Out: 23.741 $\pm$ 0.007 χ^2 /NDF: 126132.7/17

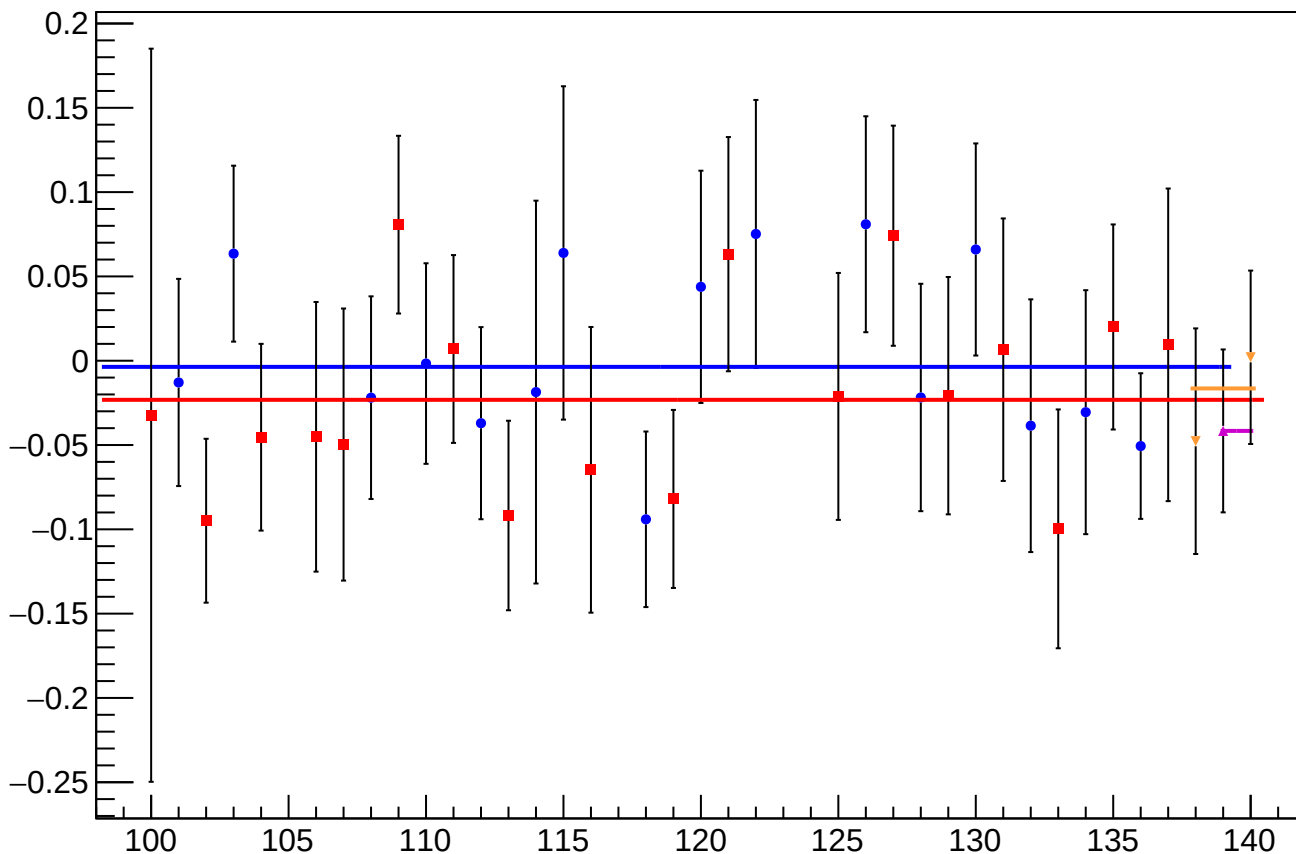
Left In: 28.279 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 24.189 $\pm$ 0.006 χ^2 /NDF: 545122.8/17

All: 24.138 $\pm$ 0.004 χ^2 /NDF: 707478.6/36

- sign 24.085 $\pm$ 0.006 χ^2 /NDF: 162218.9/18

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.016 ± 0.041 χ^2/NDF : 0.3/1

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

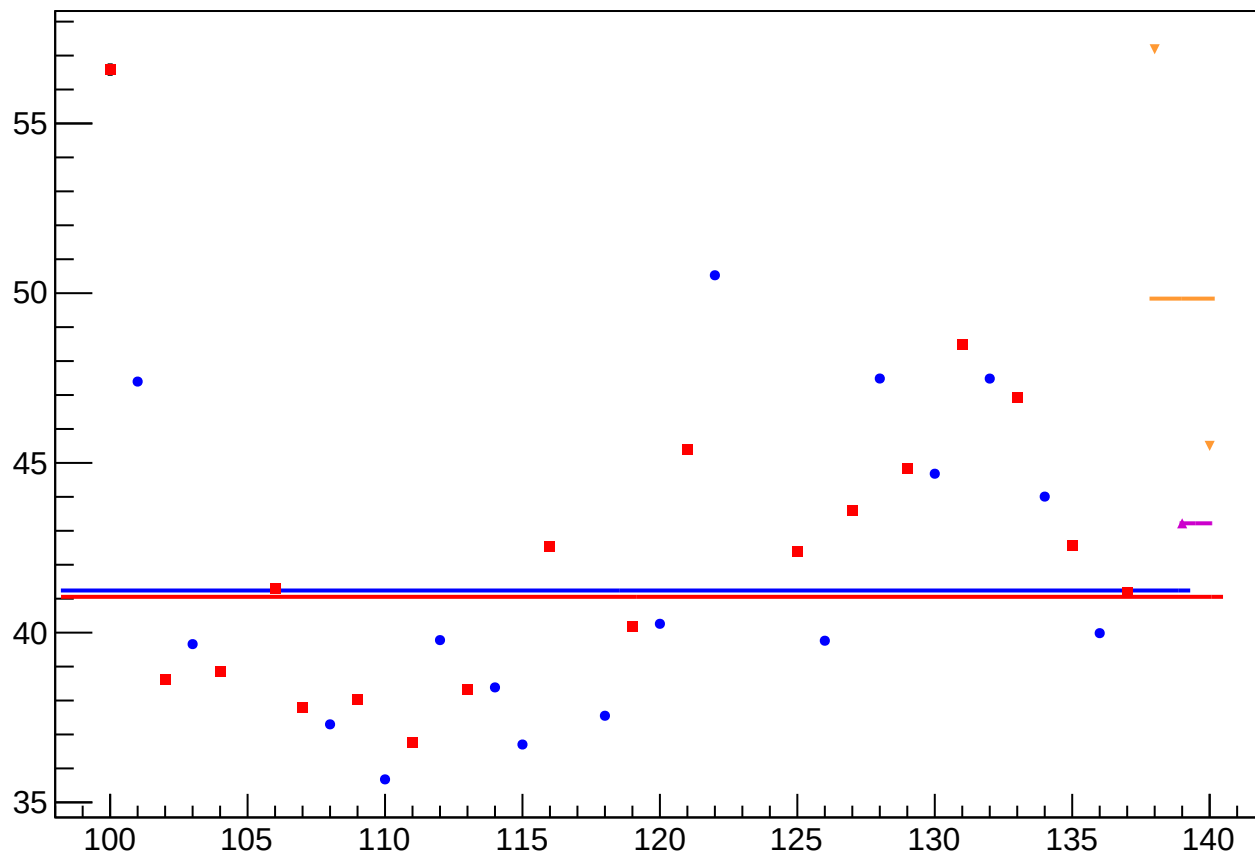
Left In: -0.042 ± 0.048 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.015 χ^2/NDF : 12.1/17

All: -0.015 ± 0.010 χ^2/NDF : 28.5/36

- sign -0.025 ± 0.015 χ^2/NDF : 15.5/18

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.241 $\pm$ 0.011 χ^2 /NDF: 135256.9/15

Left Out: 49.840 $\pm$ 0.029 χ^2 /NDF:38341.2/1

Right Out: 41.055 $\pm$ 0.011 χ^2 /NDF: 96549.4/17

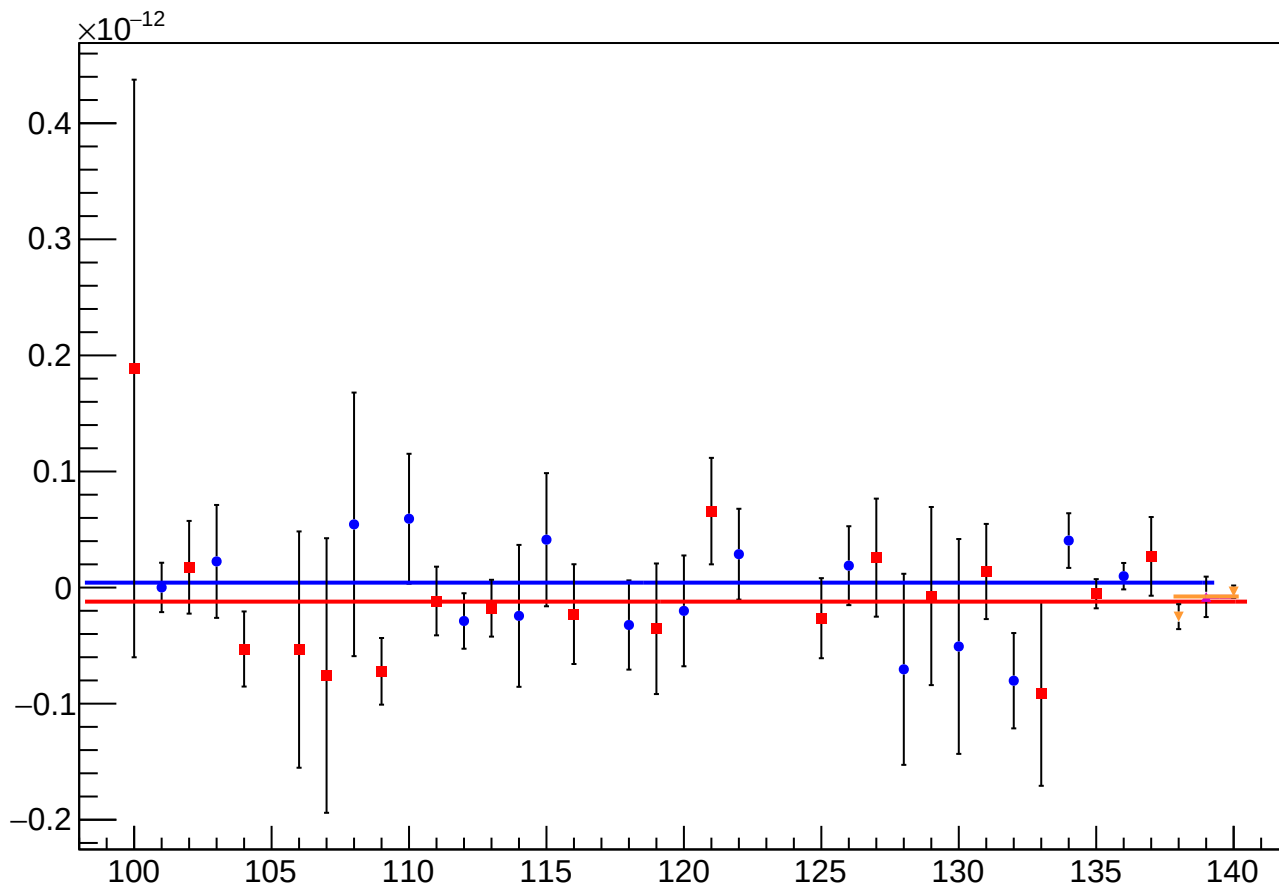
Left In: 43.220 $\pm$ 0.034 χ^2 /NDF:0.0/0

+ sign 42.356 $\pm$ 0.010 χ^2 /NDF: 251029.3/17

All: 41.810 $\pm$ 0.007 χ^2 /NDF: 356795.3/36

- sign 41.257 $\pm$ 0.010 χ^2 /NDF: 100193.2/18

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.3/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/17

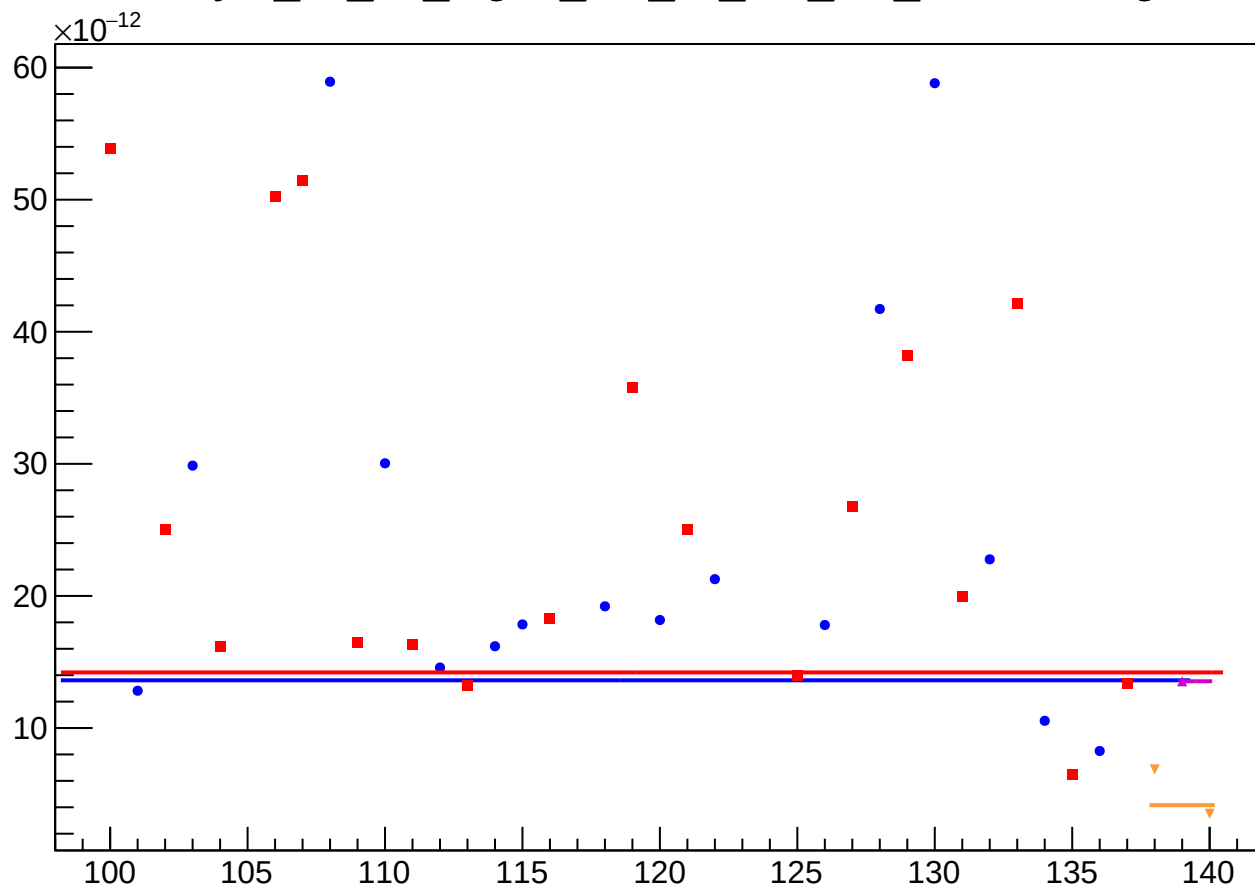
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.1/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/18

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 : 157300.5/1

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

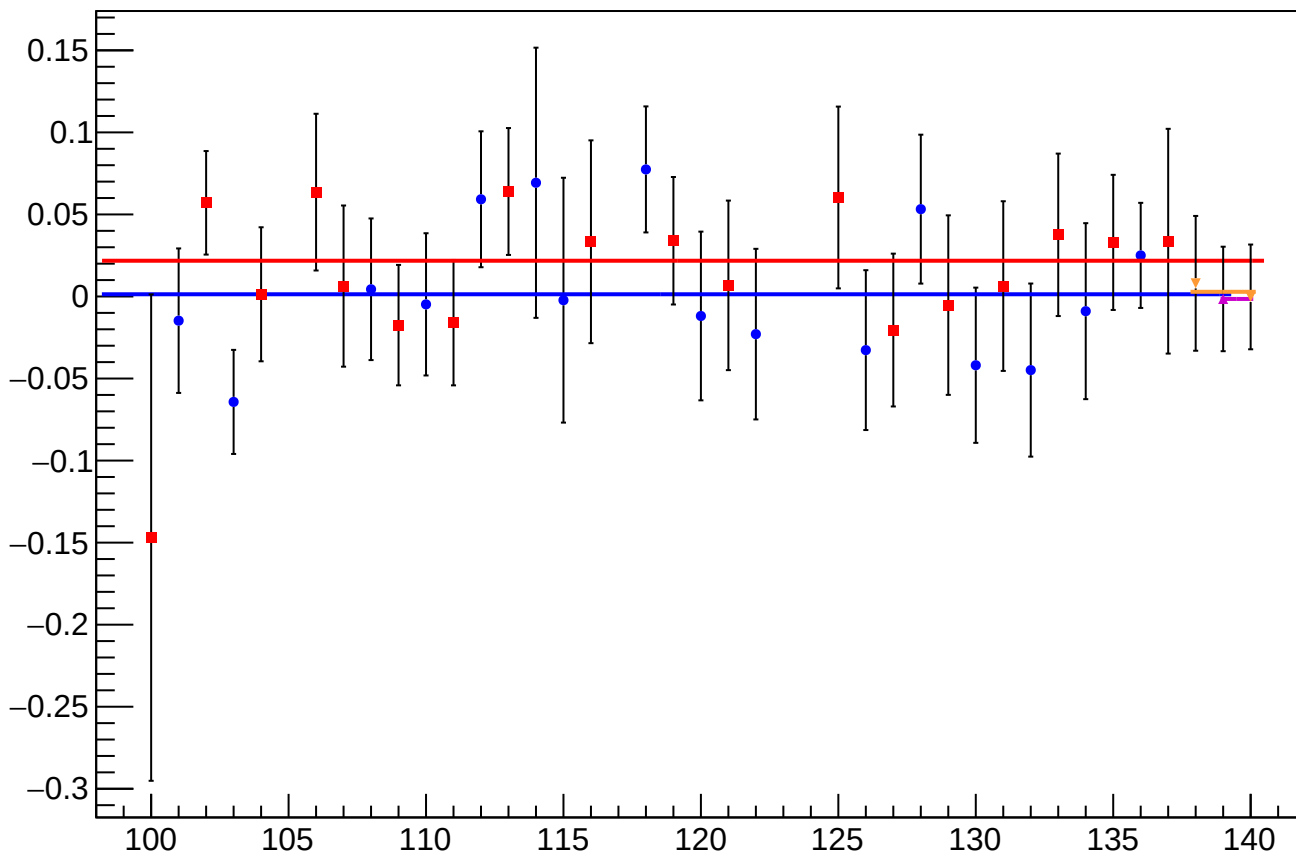
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4672914.4/17

All: 0.000+/-0.000 χ^2/NDF : 8702363.6/36

- sign 0.000+/-0.000 χ^2/NDF : 2474125.9/18

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.001 $\pm$ 0.011 χ^2 /NDF: 15.3/15

Left Out: 0.003 $\pm$ 0.025 χ^2 /NDF: 0.0/1

Right Out: 0.022 $\pm$ 0.011 χ^2 /NDF: 9.0/17

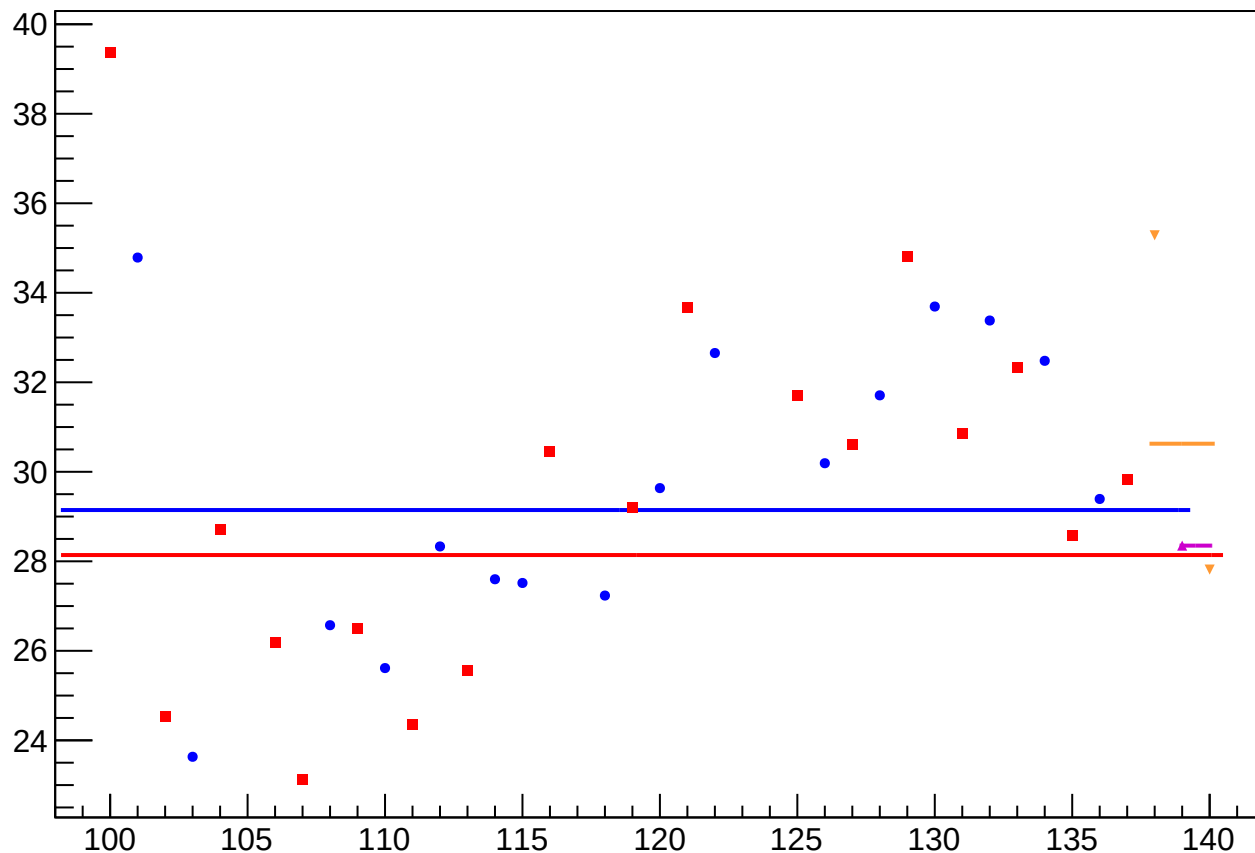
Left In: -0.002 $\pm$ 0.032 χ^2 /NDF: 0.0/0

+ sign 0.002 $\pm$ 0.010 χ^2 /NDF: 15.3/17

All: 0.011 $\pm$ 0.007 χ^2 /NDF: 26.3/36

- sign 0.019 $\pm$ 0.010 χ^2 /NDF: 9.5/18

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.146 $\pm$ 0.008 χ^2 /NDF: 176889.4/15

Left Out: 30.628 $\pm$ 0.018 χ^2 /NDF: 41237.8/1

Right Out: 28.140 $\pm$ 0.008 χ^2 /NDF: 187103.8/17

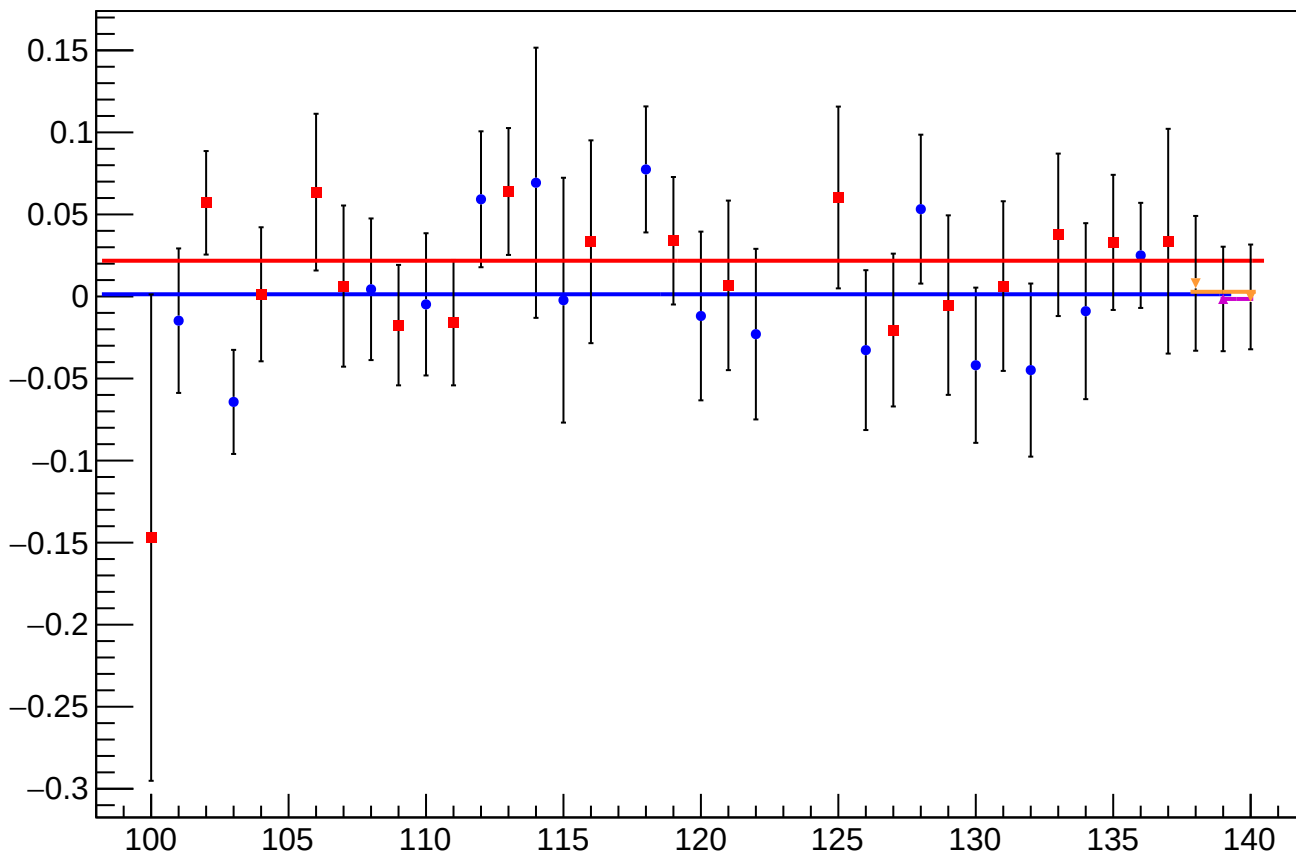
Left In: 28.351 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 29.391 $\pm$ 0.007 χ^2 /NDF: 223900.5/17

All: 28.774 $\pm$ 0.005 χ^2 /NDF: 425518.4/36

- sign 28.162 $\pm$ 0.007 χ^2 /NDF: 187182.2/18

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 $\pm$ 0.011 χ^2 /NDF: 15.3/15

Left Out: 0.003 $\pm$ 0.025 χ^2 /NDF: 0.0/1

Right Out: 0.022 $\pm$ 0.011 χ^2 /NDF: 9.0/17

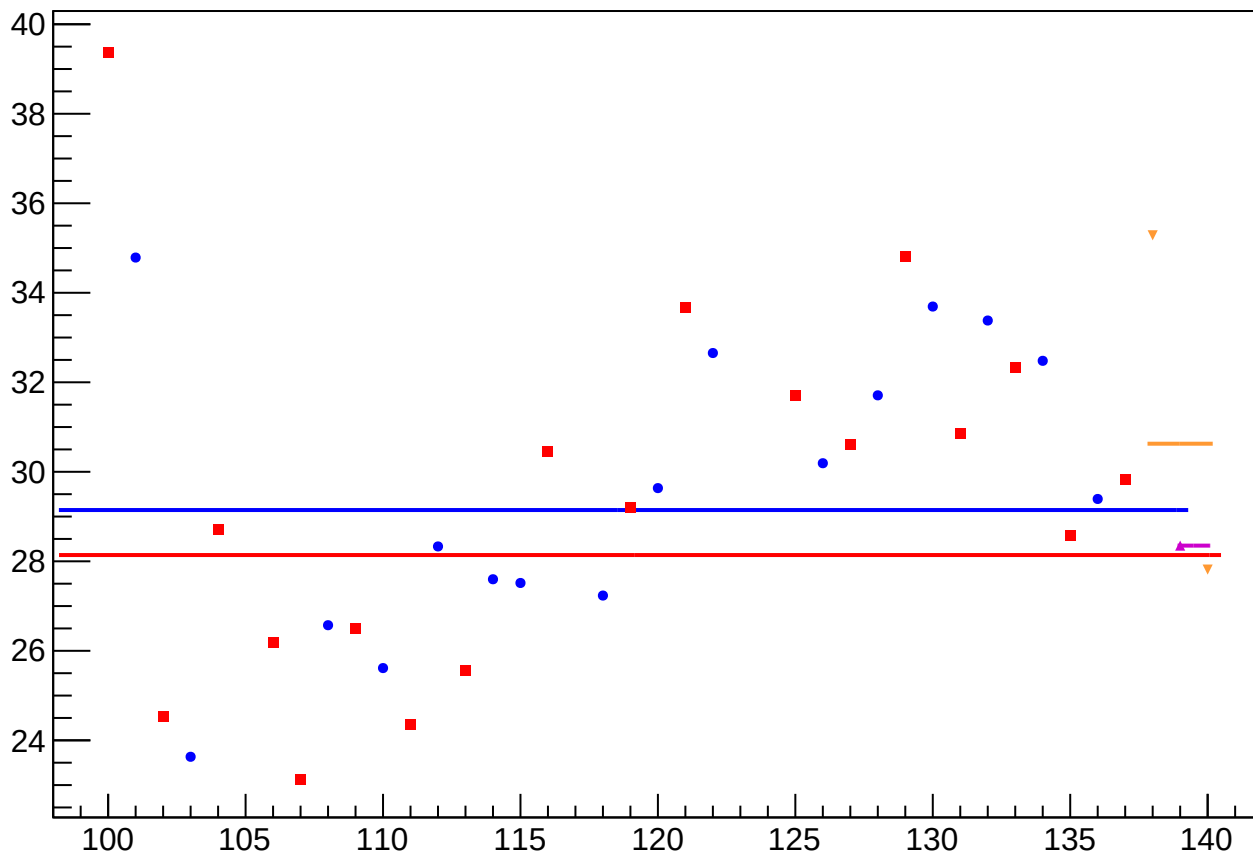
Left In: -0.002 $\pm$ 0.032 χ^2 /NDF: 0.0/0

+ sign 0.002 $\pm$ 0.010 χ^2 /NDF: 15.3/17

All: 0.011 $\pm$ 0.007 χ^2 /NDF: 26.3/36

- sign 0.019 $\pm$ 0.010 χ^2 /NDF: 9.5/18

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 29.146 $\pm$ 0.008 χ^2 /NDF: 176889.4/15

Left Out: 30.628 $\pm$ 0.018 χ^2 /NDF: 41237.8/1

Right Out: 28.140 $\pm$ 0.008 χ^2 /NDF: 187103.8/17

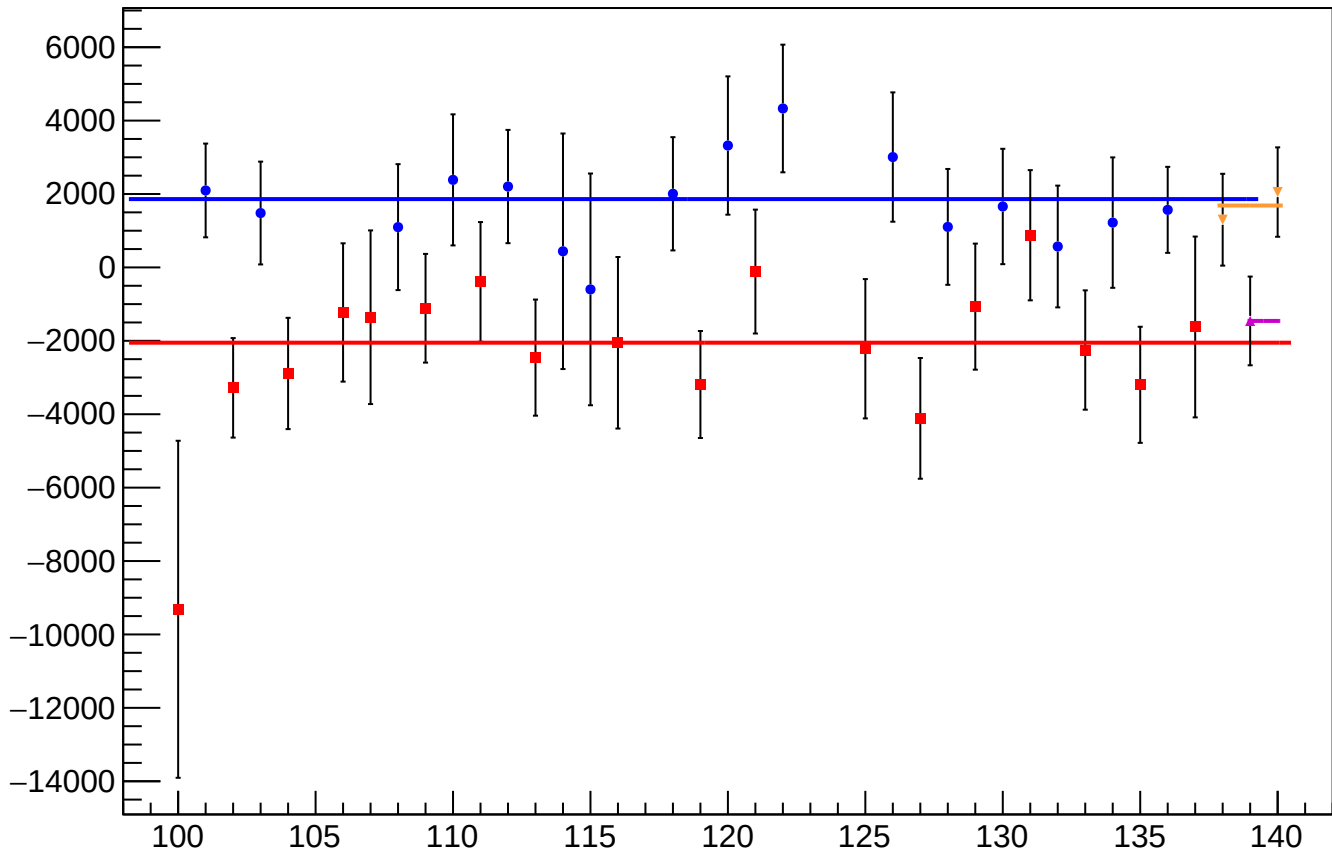
Left In: 28.351 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 29.391 $\pm$ 0.007 χ^2 /NDF: 223900.5/17

All: 28.774 $\pm$ 0.005 χ^2 /NDF: 425518.4/36

- sign 28.162 $\pm$ 0.007 χ^2 /NDF: 187182.2/18

reg_asym_usl_mean vs Slug



Right In: 1861.525 $\pm$ 409.524 χ^2 /NDF: 5.3/15

Left Out: 1686.379 $\pm$ 872.650 χ^2 /NDF: 0.2/1

Right Out: -2050.842 $\pm$ 409.249 χ^2 /NDF: 12.5/17

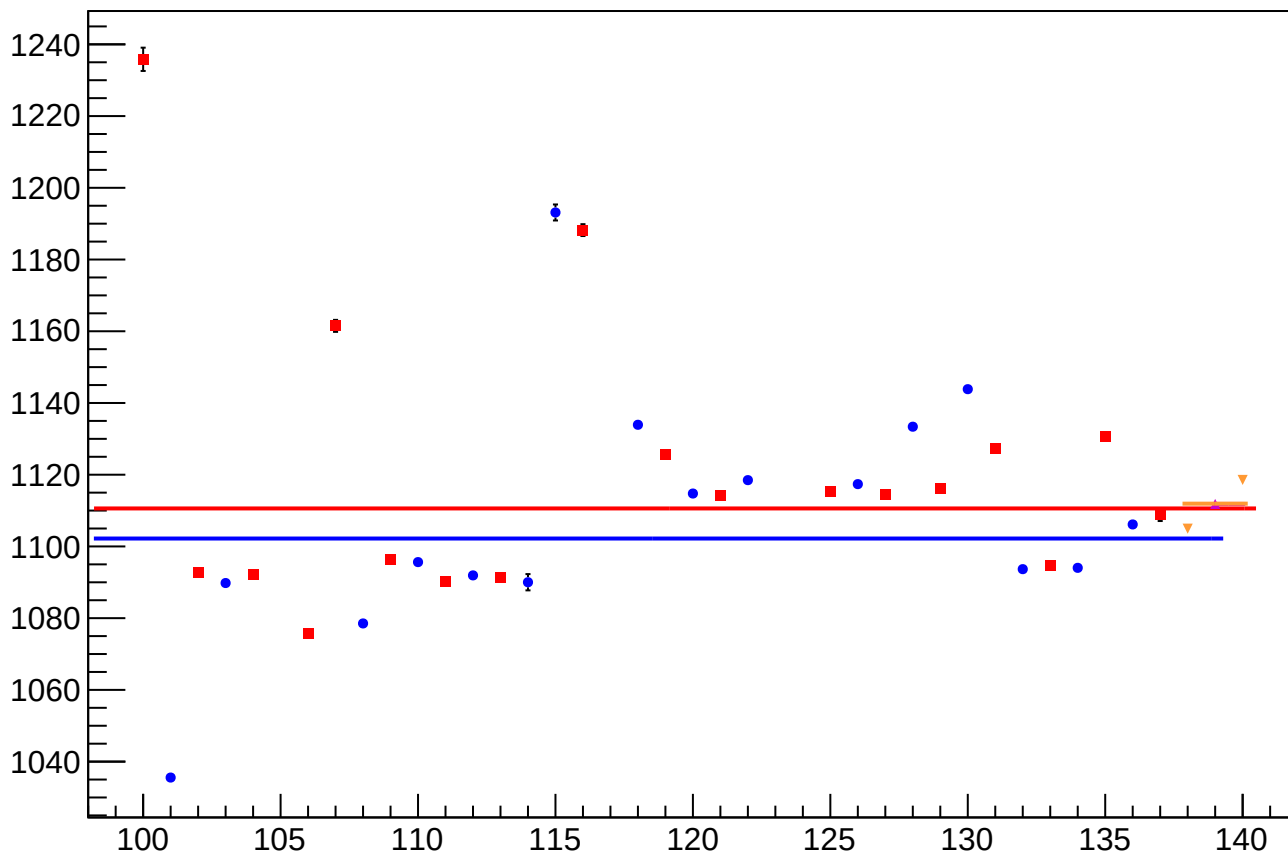
Left In: -1457.993 $\pm$ 1208.735 χ^2 /NDF: 0.0/0

+ sign 1829.914 $\pm$ 370.730 χ^2 /NDF: 5.6/17

All: 5.119 $\pm$ 267.922 χ^2 /NDF: 69.0/36

- sign -1989.871 $\pm$ 387.634 χ^2 /NDF: 12.8/18

reg_asym_usl_rms vs Slug



Right In: 1102.205 $\pm$ 0.290 χ^2 /NDF: 11348.9/15

Left Out: 1111.927 $\pm$ 0.617 χ^2 /NDF:121.2/1

Right Out: 1110.592 $\pm$ 0.289 χ^2 /NDF: 7696.0/17

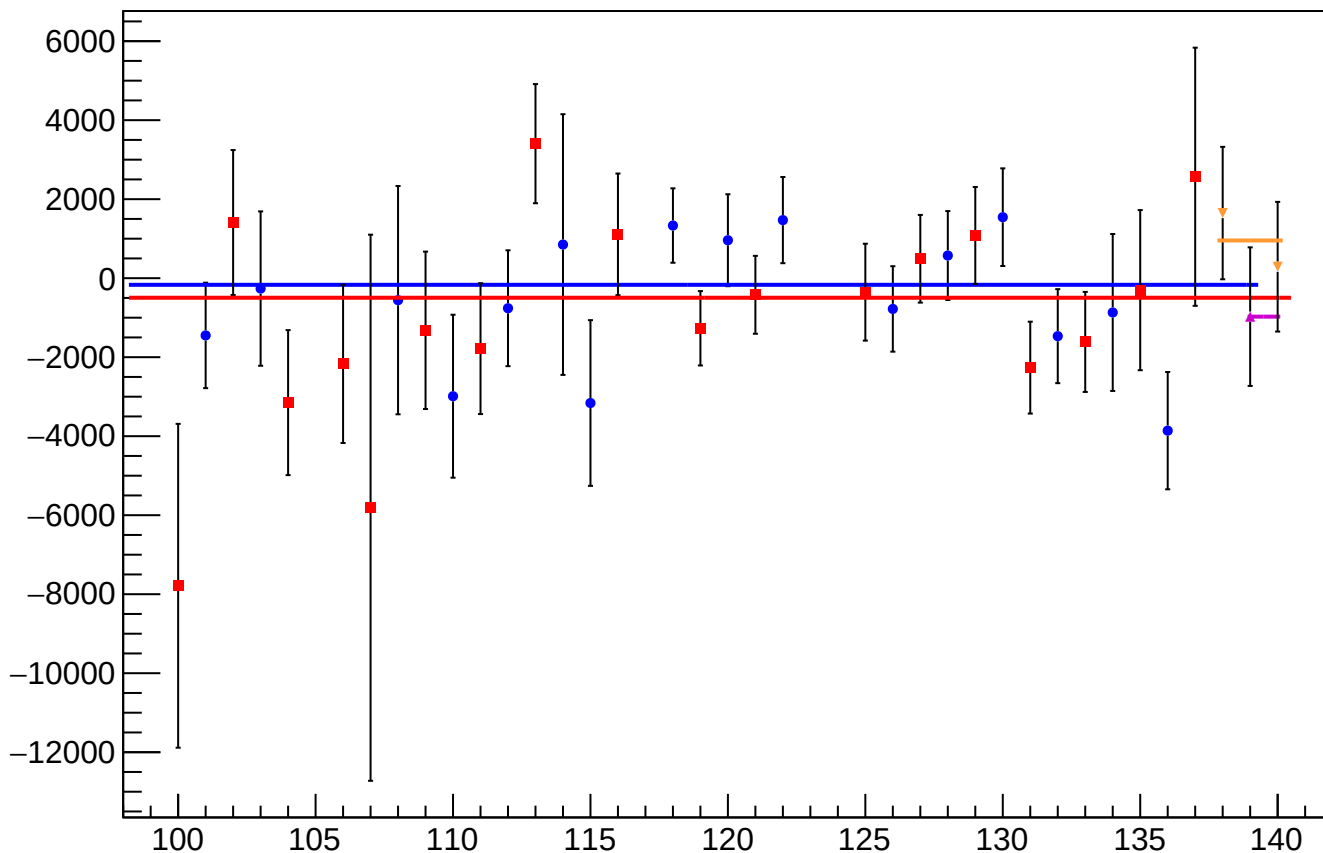
Left In: 1111.845 $\pm$ 0.855 χ^2 /NDF:0.0/0

+ sign 1103.960 $\pm$ 0.262 χ^2 /NDF: 11673.6/17

All: 1107.190 $\pm$ 0.189 χ^2 /NDF: 19689.3/36

- sign 1110.721 $\pm$ 0.274 χ^2 /NDF: 7698.0/18

asym_usl_reg_correction_mean vs Slug



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

Left Out: 954.983 ± 1172.851 χ^2/NDF : 0.3/1

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

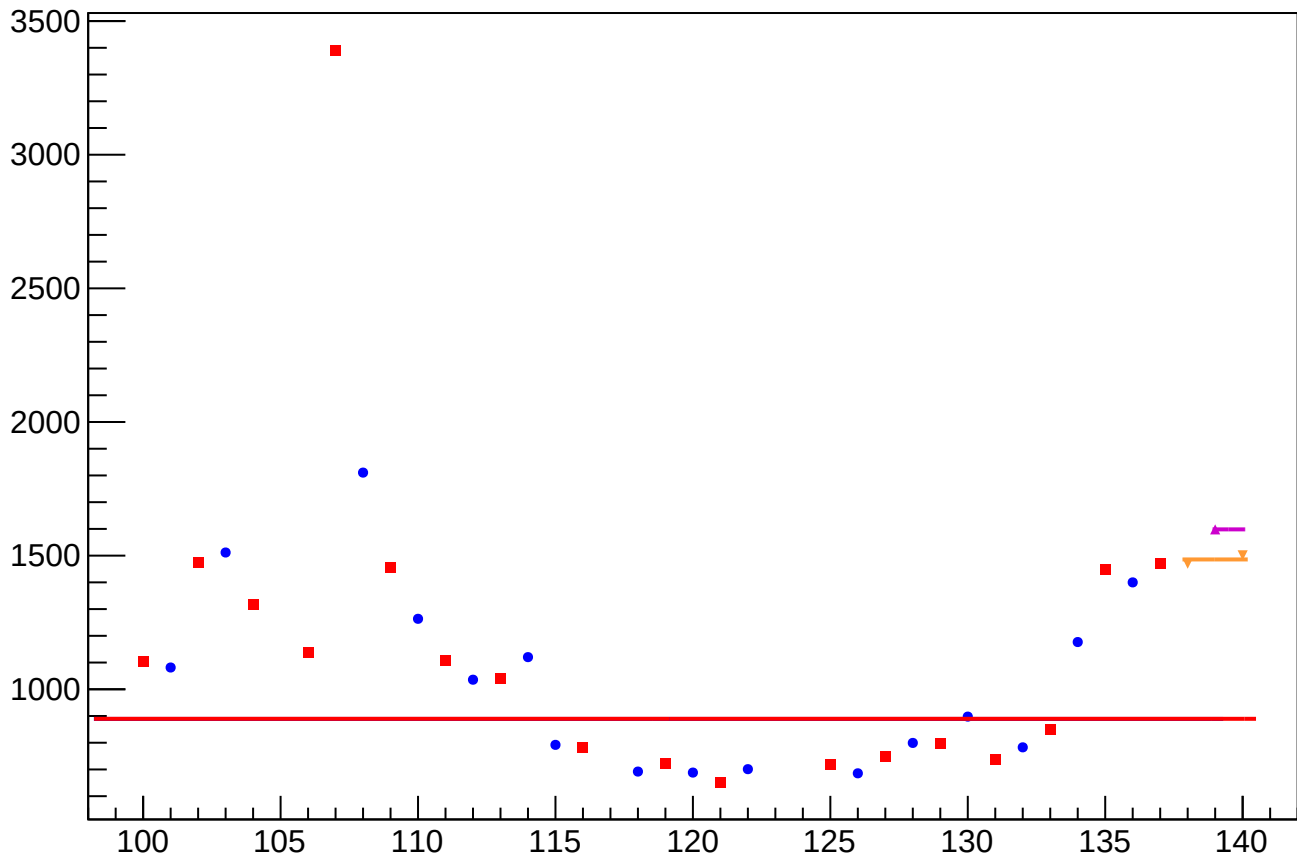
Left In: -973.900 ± 1754.209 χ^2/NDF : 0.0/0

+ sign -78.259 ± 331.367 χ^2/NDF : 22.2/17

All: -290.960 ± 236.816 χ^2/NDF : 46.4/36

- sign -513.005 ± 338.567 χ^2/NDF : 23.4/18

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1485.715+/-0.829 χ^2/NDF : 359.0/1

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

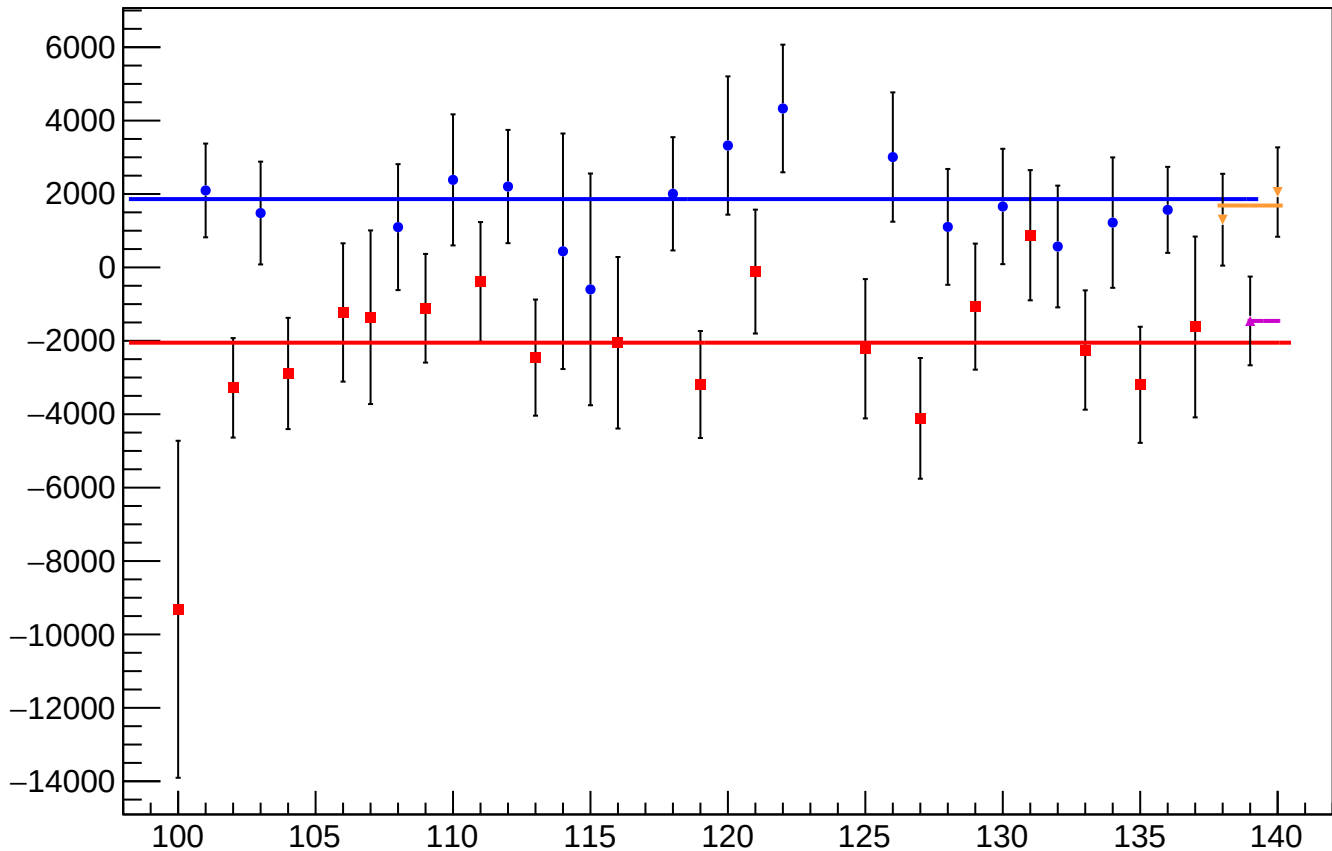
Left In: 1598.238+/-1.240 χ^2/NDF : 0.0/0

+ sign 936.592+/-0.234 χ^2/NDF : 1609571.1/17

All: 926.458+/-0.167 χ^2/NDF : 3273469.4/36

- sign 915.879+/-0.239 χ^2/NDF : 1660075.2/18

cor_asym_usl_mean vs Slug



Right In: 1861.525 $\pm$ 409.524 χ^2 /NDF: 5.3/15

Left Out: 1686.379 $\pm$ 872.650 χ^2 /NDF: 0.2/1

Right Out: -2050.842 $\pm$ 409.249 χ^2 /NDF: 12.5/17

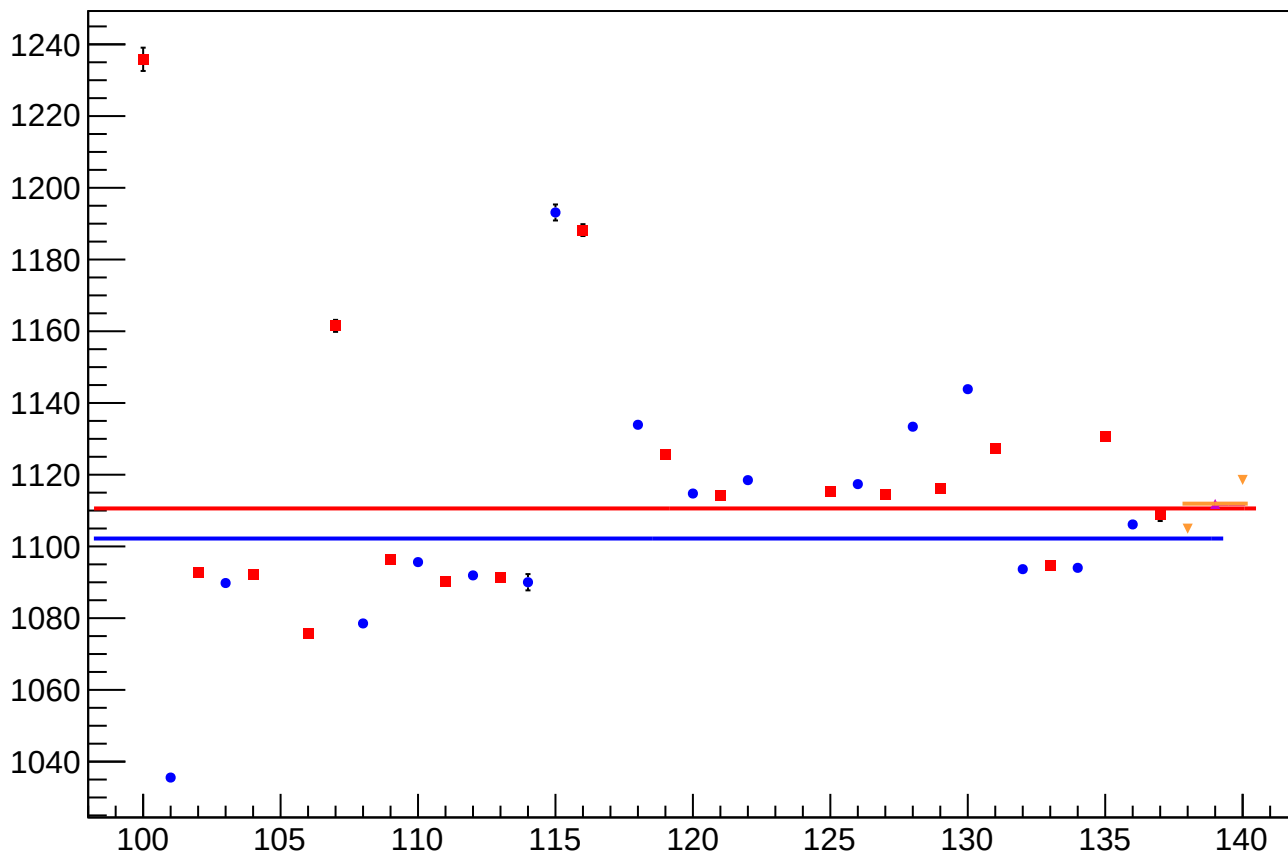
Left In: -1457.993 $\pm$ 1208.735 χ^2 /NDF: 0.0/0

+ sign 1829.914 $\pm$ 370.730 χ^2 /NDF: 5.6/17

All: 5.119 $\pm$ 267.922 χ^2 /NDF: 69.0/36

- sign -1989.871 $\pm$ 387.634 χ^2 /NDF: 12.8/18

cor_asym_usl_rms vs Slug



Right In: 1102.205 $\pm$ 0.290 χ^2 /NDF: 11348.9/15

Left Out: 1111.927 $\pm$ 0.617 χ^2 /NDF:121.2/1

Right Out: 1110.592 $\pm$ 0.289 χ^2 /NDF: 7696.0/17

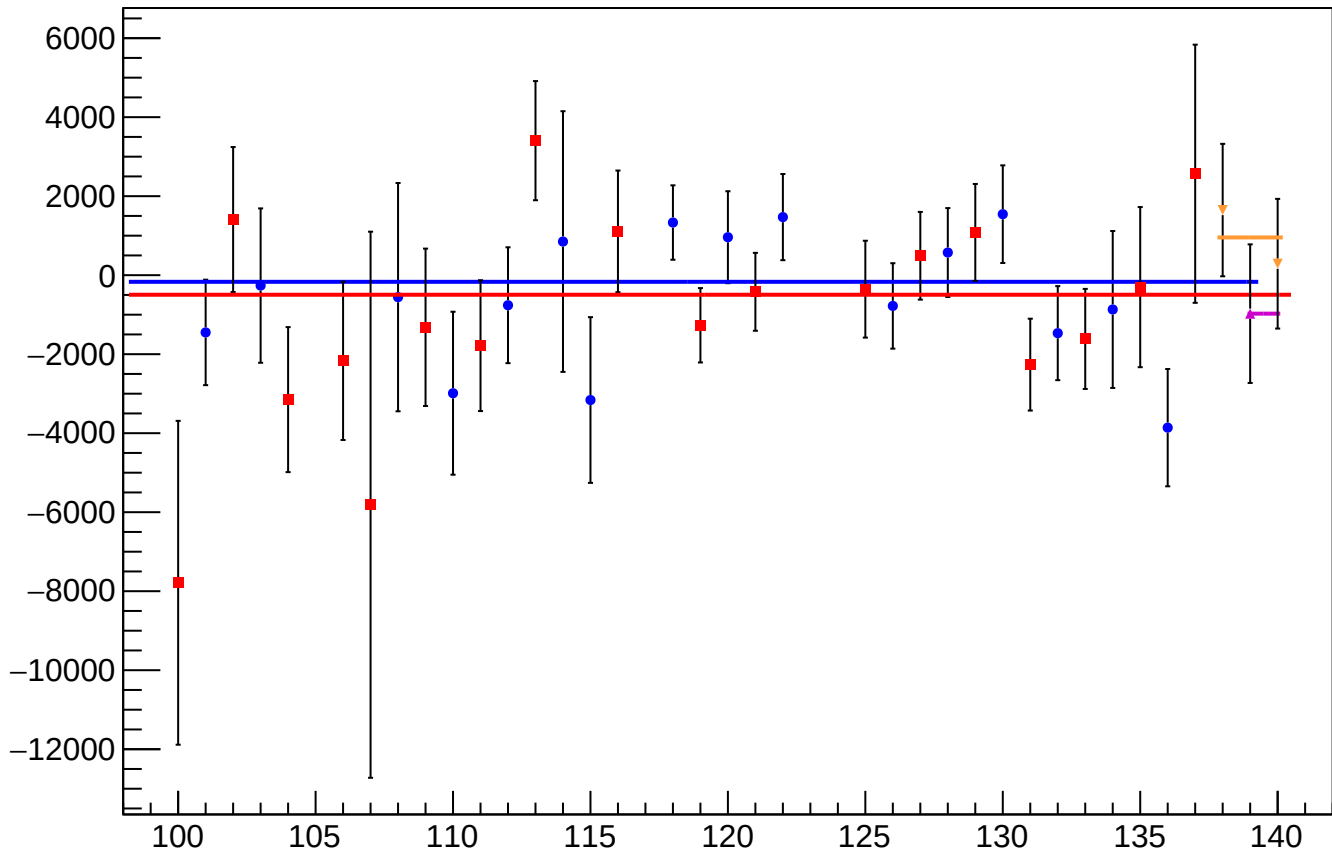
Left In: 1111.845 $\pm$ 0.855 χ^2 /NDF:0.0/0

+ sign 1103.960 $\pm$ 0.262 χ^2 /NDF: 11673.6/17

All: 1107.190 $\pm$ 0.189 χ^2 /NDF: 19689.3/36

- sign 1110.721 $\pm$ 0.274 χ^2 /NDF: 7698.0/18

asym_usl_cor_correction_mean vs Slug



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

Left Out: 954.983 ± 1172.851 χ^2/NDF : 0.3/1

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

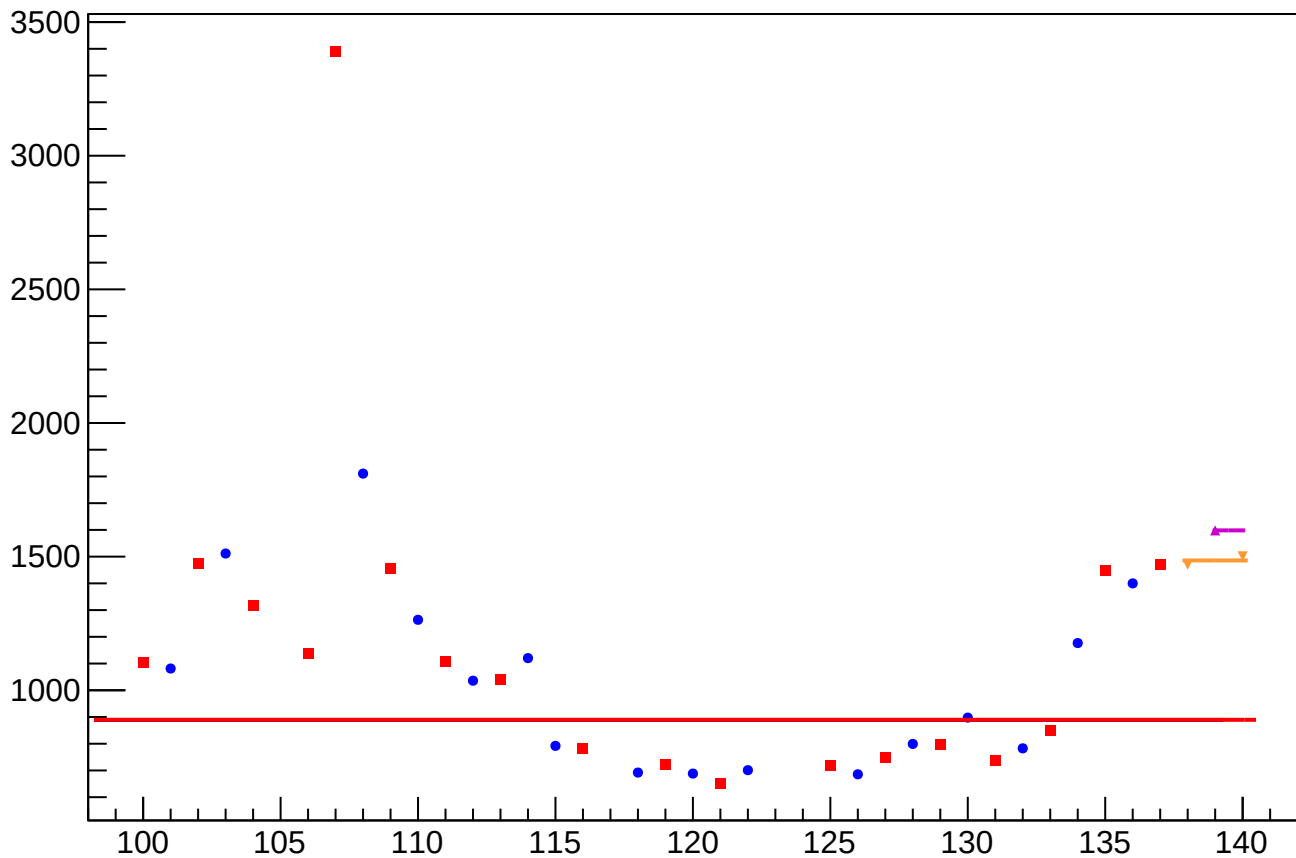
Left In: -973.900 ± 1754.209 χ^2/NDF : 0.0/0

+ sign -78.259 ± 331.367 χ^2/NDF : 22.2/17

All: -290.960 ± 236.816 χ^2/NDF : 46.4/36

- sign -513.005 ± 338.567 χ^2/NDF : 23.4/18

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1485.715+/-0.829 χ^2/NDF : 359.0/1

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

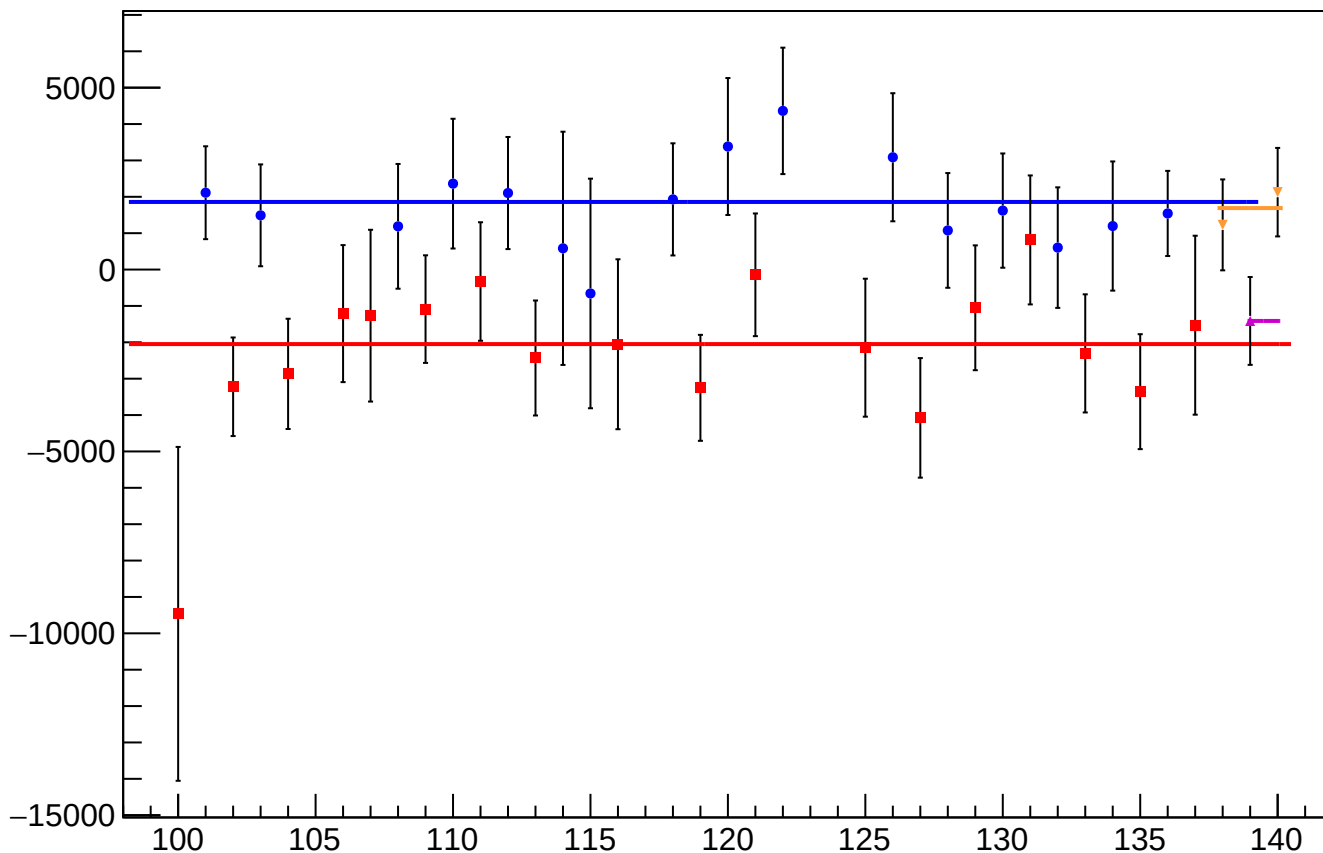
Left In: 1598.238+/-1.240 χ^2/NDF : 0.0/0

+ sign 936.592+/-0.234 χ^2/NDF : 1609571.1/17

All: 926.458+/-0.167 χ^2/NDF : 3273469.4/36

- sign 915.879+/-0.239 χ^2/NDF : 1660075.2/18

overload_cor_asym_usl_mean vs Slug



Right In: 1858.683 $\pm$ 409.170 χ^2 /NDF: 5.4/15

Left Out: 1690.101 $\pm$ 871.676 χ^2 /NDF: 0.3/1

Right Out: -2048.674 $\pm$ 408.894 χ^2 /NDF: 12.7/17

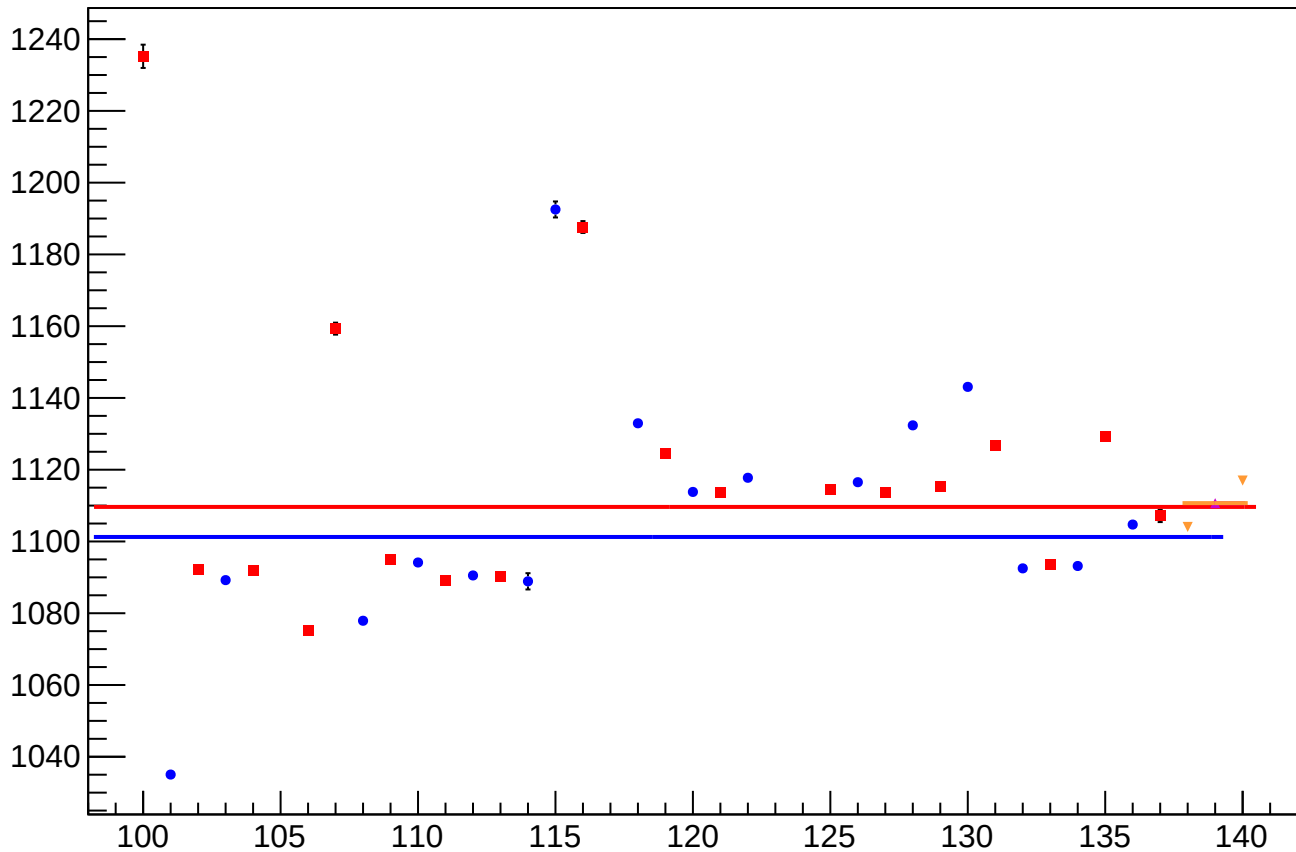
Left In: -1412.605 $\pm$ 1207.450 χ^2 /NDF: 0.0/0

+ sign 1828.244 $\pm$ 370.393 χ^2 /NDF: 5.7/17

All: 7.457 $\pm$ 267.681 χ^2 /NDF: 69.3/36

- sign -1983.235 $\pm$ 387.289 χ^2 /NDF: 13.0/18

overload_cor_asym_usl_rms vs Slug



Right In: 1101.254 $\pm$ 0.289 χ^2 /NDF: 11308.3/15

Left Out: 1110.689 $\pm$ 0.616 χ^2 /NDF:109.9/1

Right Out: 1109.629 $\pm$ 0.289 χ^2 /NDF: 7673.1/17

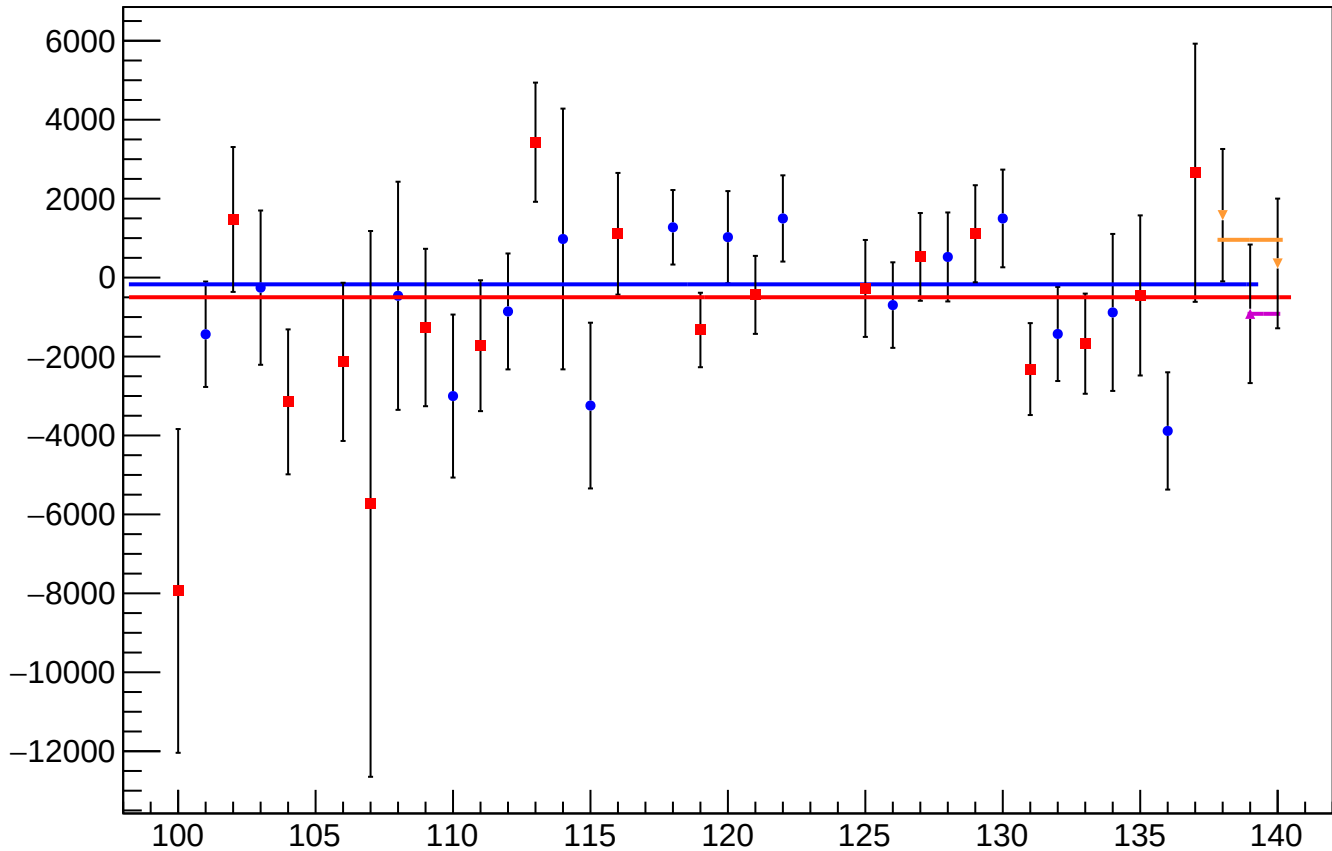
Left In: 1110.666 $\pm$ 0.854 χ^2 /NDF:0.0/0

+ sign 1102.958 $\pm$ 0.262 χ^2 /NDF: 11610.2/17

All: 1106.196 $\pm$ 0.189 χ^2 /NDF: 19604.4/36

- sign 1109.735 $\pm$ 0.274 χ^2 /NDF: 7674.4/18

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: 956.987 ± 1173.607 χ^2/NDF : 0.3/1

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

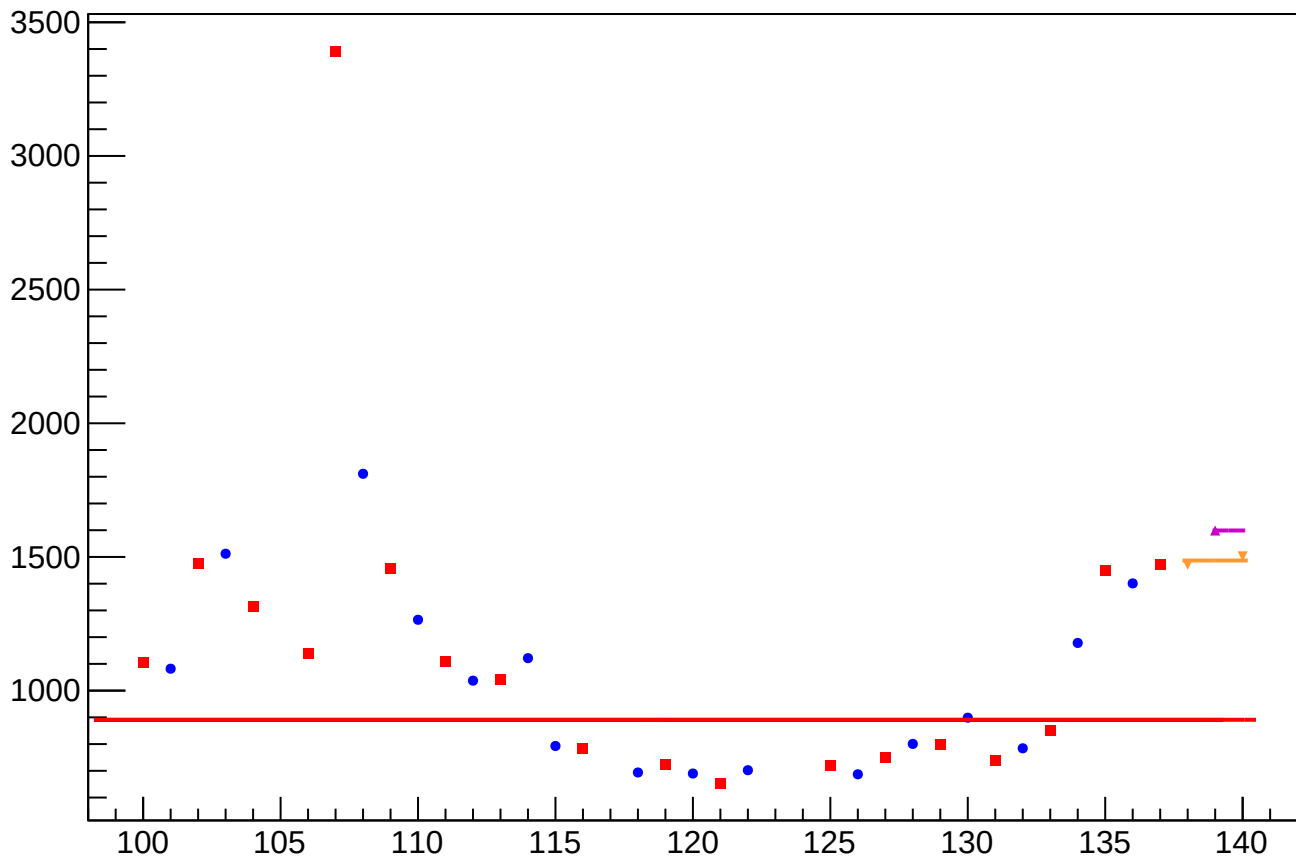
Left In: -917.921 ± 1755.011 χ^2/NDF : 0.0/0

+ sign -80.743 ± 331.860 χ^2/NDF : 22.0/17

All: -292.546 ± 237.163 χ^2/NDF : 46.8/36

- sign -513.631 ± 339.055 χ^2/NDF : 24.0/18

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1486.693+/-0.830 χ^2/NDF :366.9/1

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

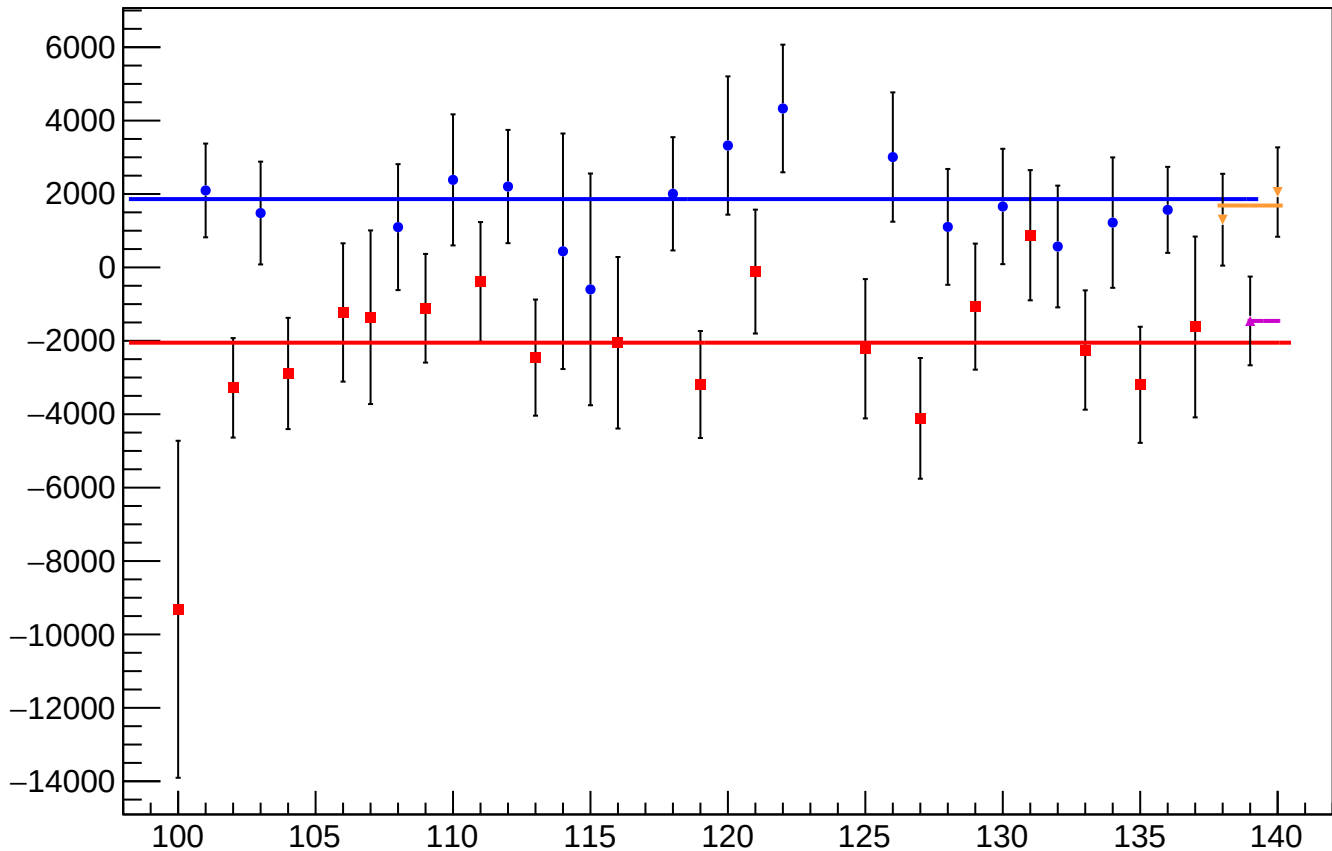
Left In: 1598.966+/-1.241 χ^2/NDF :0.0/0

+ sign 938.166+/-0.235 χ^2/NDF : 1603975.7/17

All: 927.988+/-0.168 χ^2/NDF : 3262990.0/36

- sign 917.364+/-0.240 χ^2/NDF : 1655169.7/18

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1686.379 ± 872.650 χ^2/NDF : 0.2/1

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

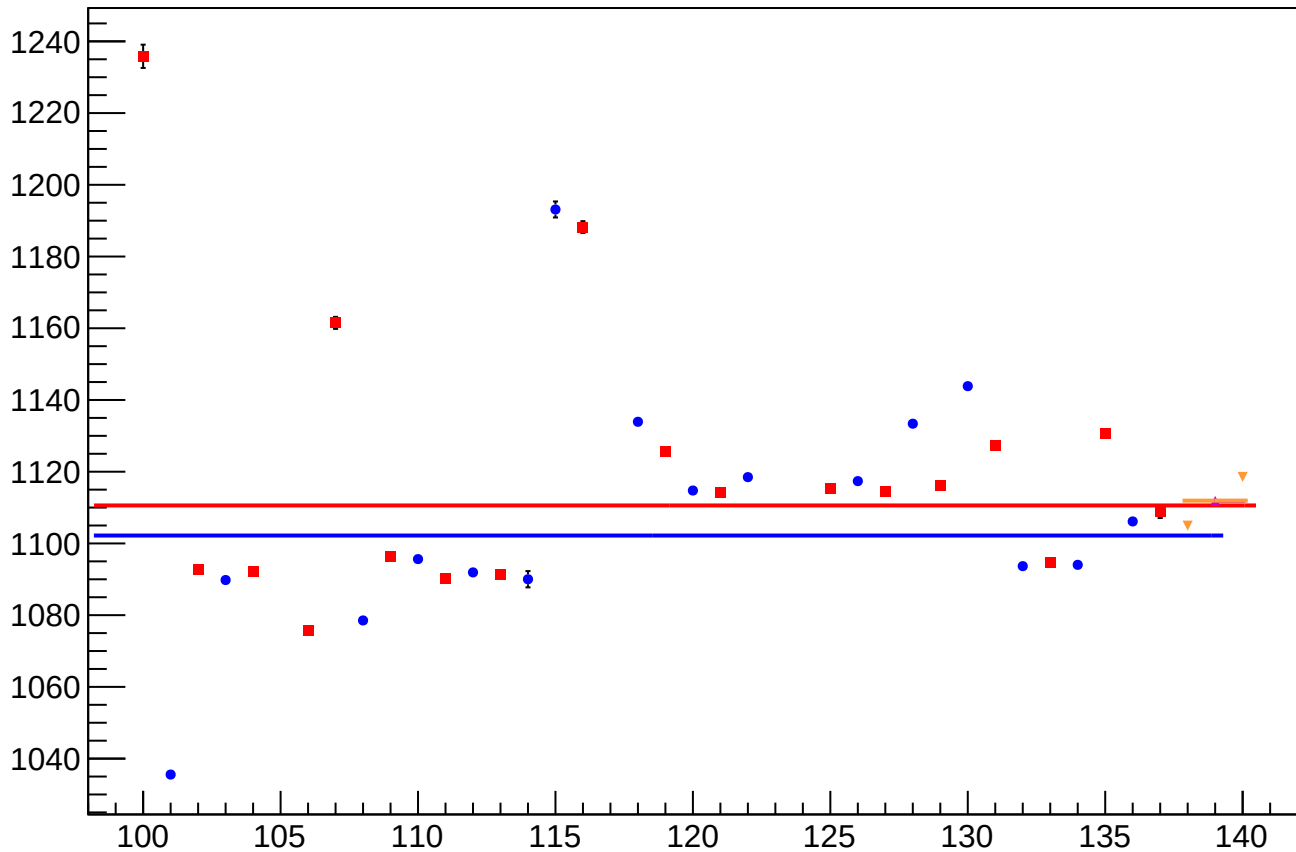
Left In: -1457.993 ± 1208.735 χ^2/NDF : 0.0/0

+ sign 1829.914 ± 370.730 χ^2/NDF : 5.6/17

All: 5.119 ± 267.922 χ^2/NDF : 69.0/36

- sign -1989.871 ± 387.634 χ^2/NDF : 12.8/18

eigen_cor_asym_usl_rms vs Slug



Right In: 1102.205 $\pm$ 0.290 χ^2 /NDF: 11348.9/15

Left Out: 1111.927 $\pm$ 0.617 χ^2 /NDF:121.2/1

Right Out: 1110.592 $\pm$ 0.289 χ^2 /NDF: 7696.0/17

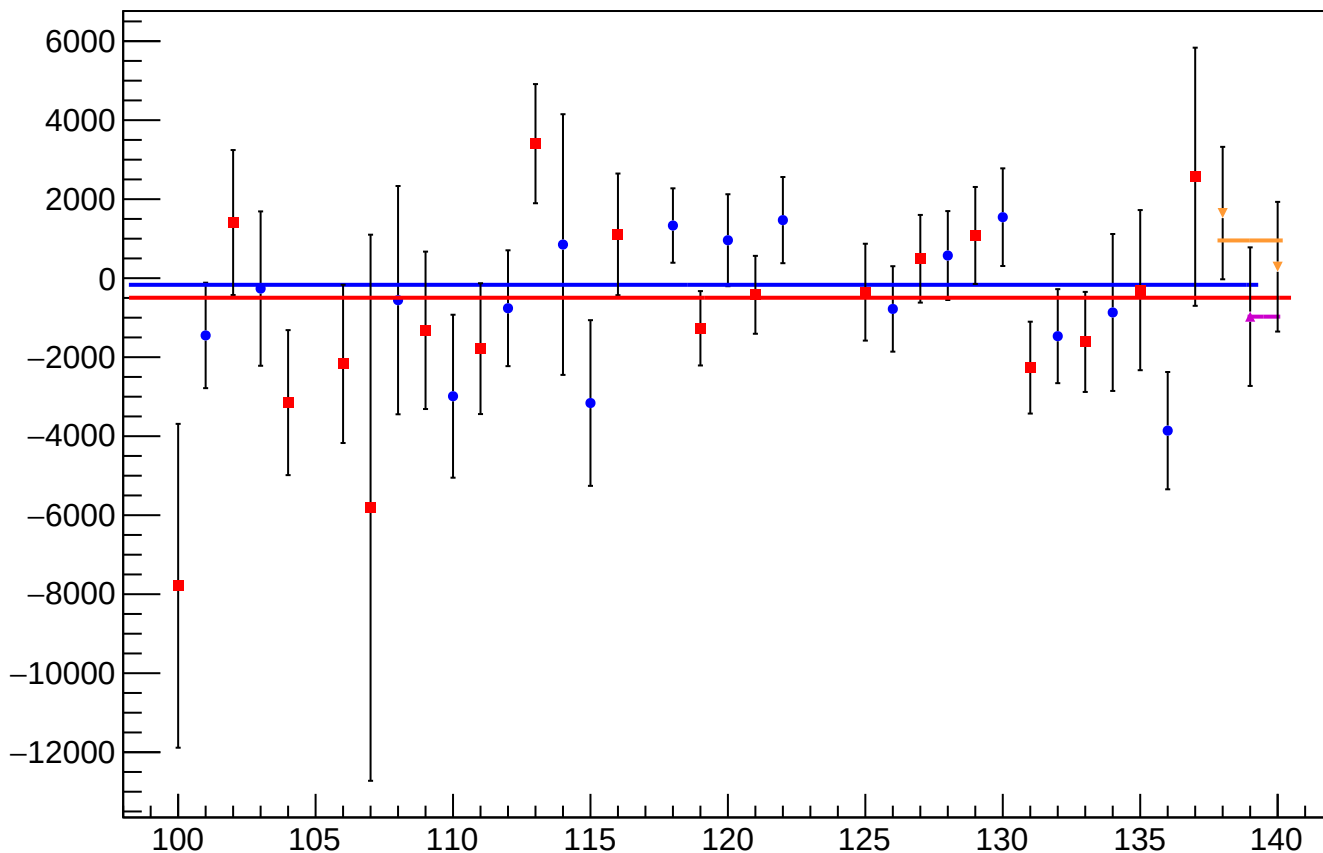
Left In: 1111.845 $\pm$ 0.855 χ^2 /NDF:0.0/0

+ sign 1103.960 $\pm$ 0.262 χ^2 /NDF: 11673.6/17

All: 1107.190 $\pm$ 0.189 χ^2 /NDF: 19689.3/36

- sign 1110.721 $\pm$ 0.274 χ^2 /NDF: 7698.0/18

asym_usl_eigen_cor_correction_mean vs Slug



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

Left Out: 954.983 ± 1172.851 χ^2/NDF : 0.3/1

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

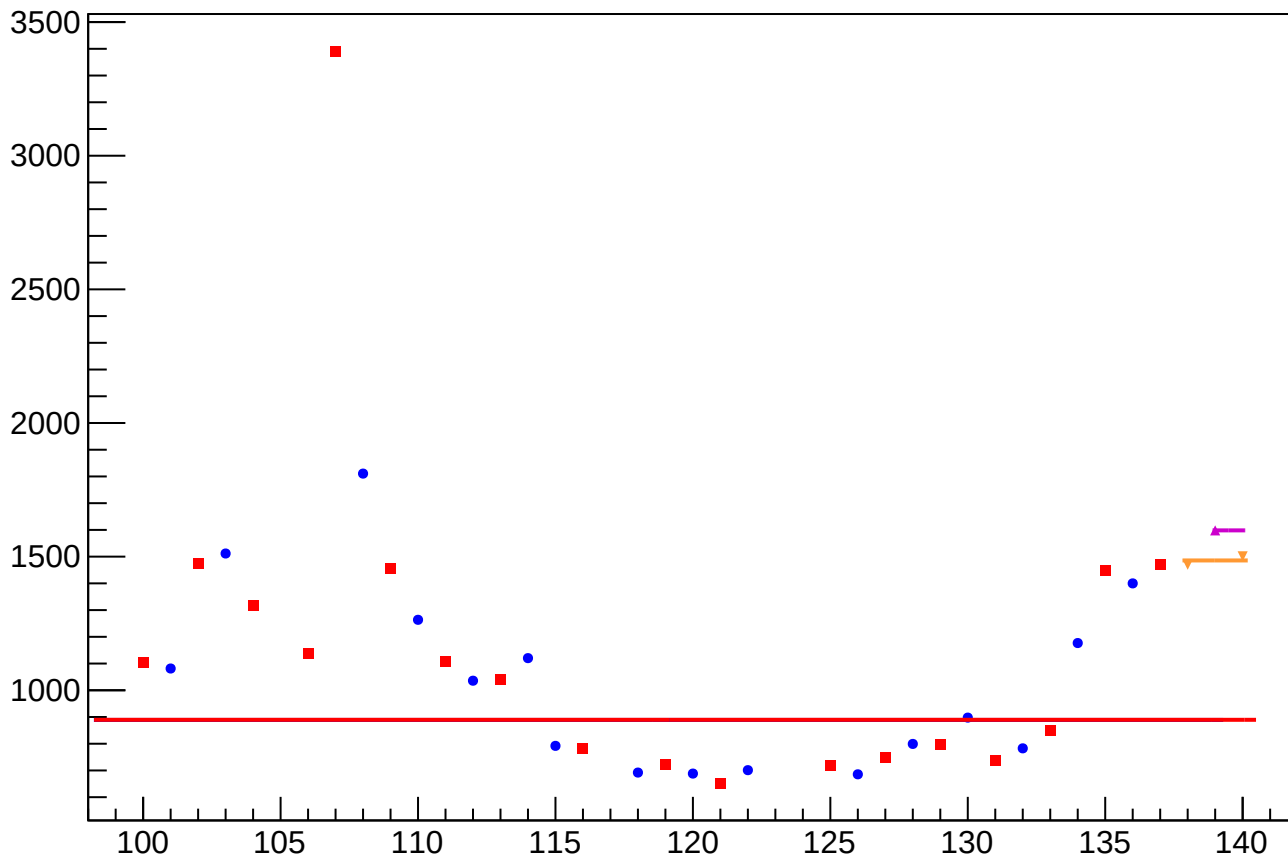
Left In: -973.900 ± 1754.209 χ^2/NDF : 0.0/0

+ sign -78.259 ± 331.367 χ^2/NDF : 22.2/17

All: -290.960 ± 236.816 χ^2/NDF : 46.4/36

- sign -513.005 ± 338.567 χ^2/NDF : 23.4/18

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1485.715+/-0.829 χ^2/NDF : 359.0/1

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

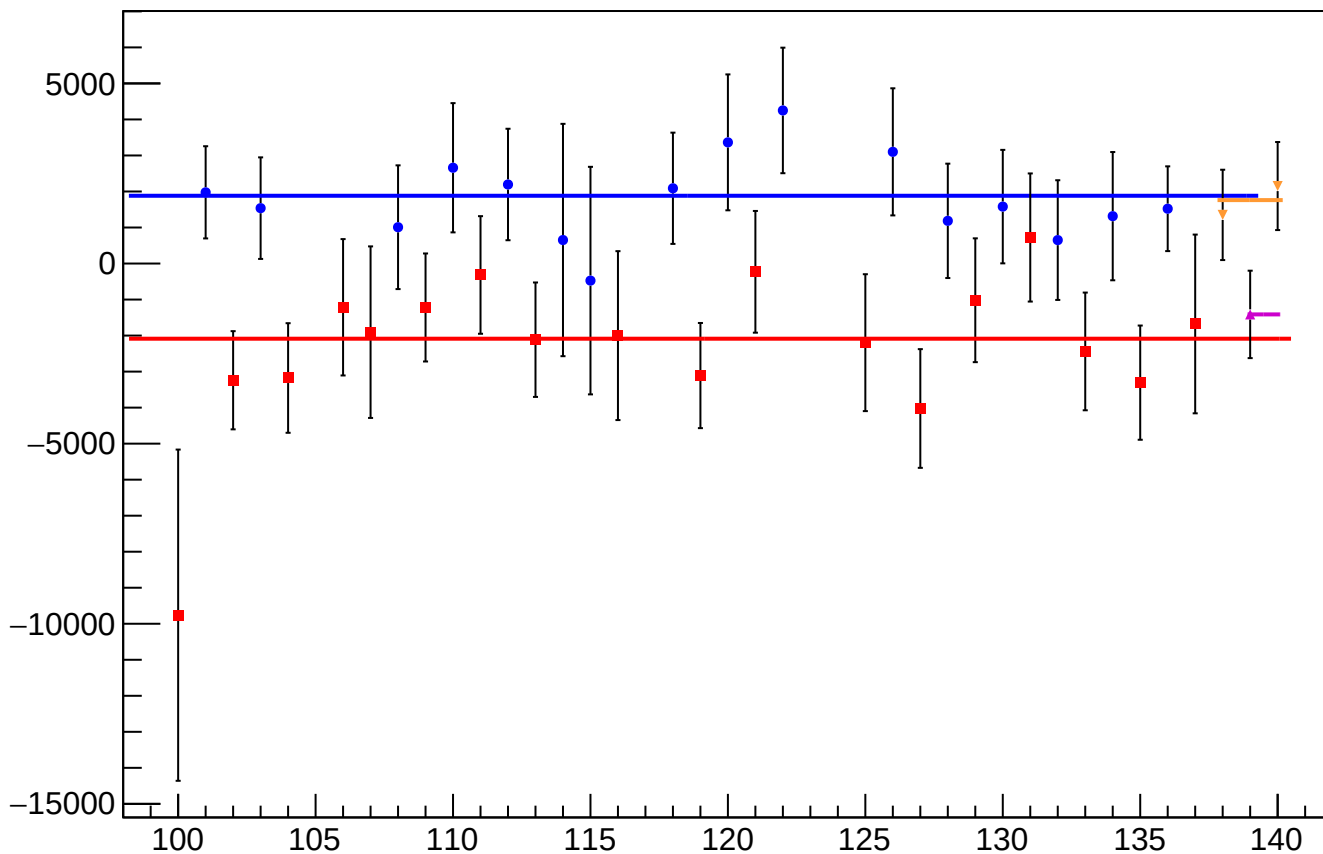
Left In: 1598.238+/-1.240 χ^2/NDF : 0.0/0

+ sign 936.592+/-0.234 χ^2/NDF : 1609571.1/17

All: 926.458+/-0.167 χ^2/NDF : 3273469.4/36

- sign 915.879+/-0.239 χ^2/NDF : 1660075.2/18

dit_asym_usl_mean vs Slug



Right In: 1881.524 $\pm$ 410.700 χ^2 /NDF: 5.2/15

Left Out: 1760.924 $\pm$ 875.195 χ^2 /NDF: 0.2/1

Right Out: -2086.886 $\pm$ 410.785 χ^2 /NDF: 12.4/17

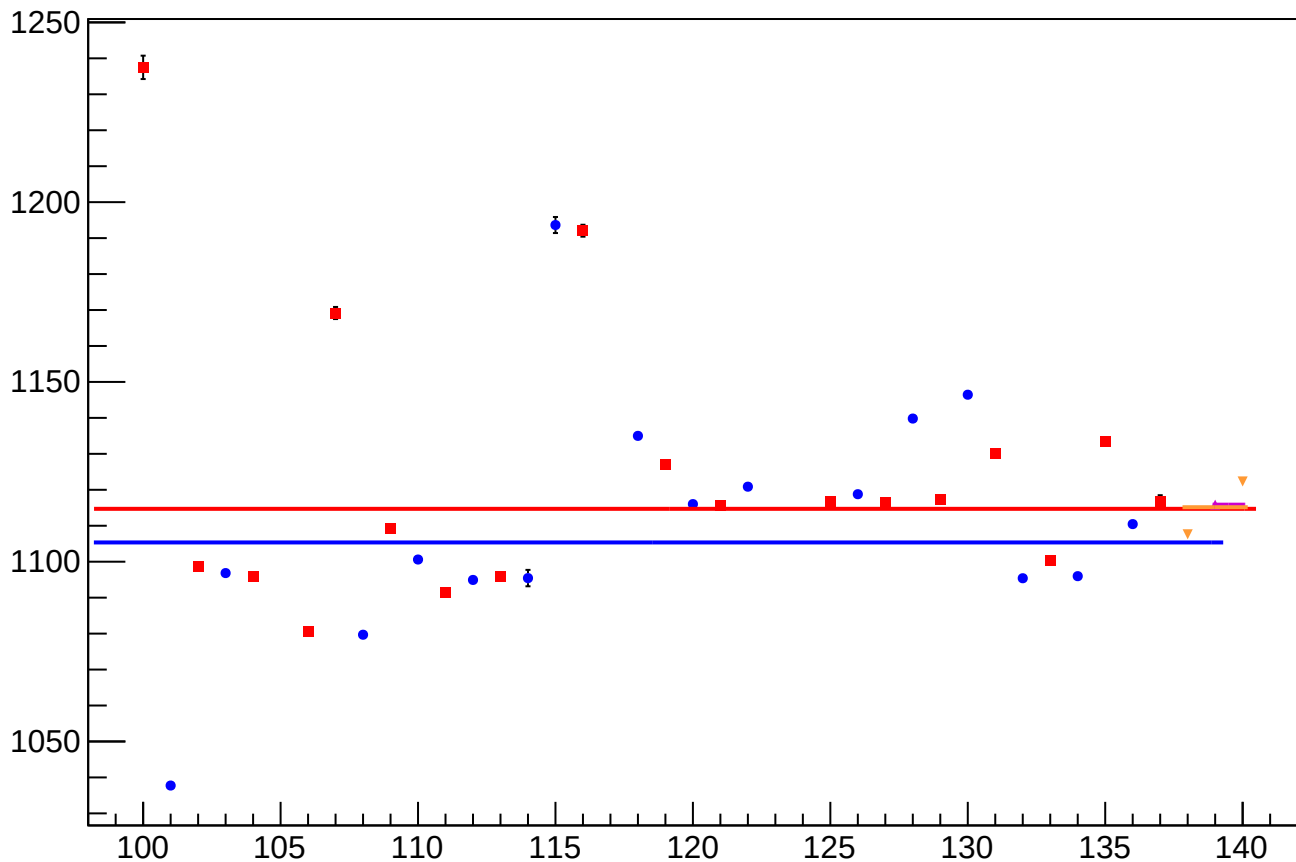
Left In: -1412.221 $\pm$ 1213.383 χ^2 /NDF: 0.0/0

+ sign 1859.759 $\pm$ 371.798 χ^2 /NDF: 5.4/17

All: 9.203 $\pm$ 268.807 χ^2 /NDF: 70.0/36

- sign -2017.512 $\pm$ 389.092 χ^2 /NDF: 12.7/18

dit_asym_usl_rms vs Slug



Right In: 1105.355 $\pm$ 0.290 χ^2 /NDF: 11330.9/15

Left Out: 1115.153 $\pm$ 0.619 χ^2 /NDF:140.9/1

Right Out: 1114.705 $\pm$ 0.290 χ^2 /NDF: 7330.3/17

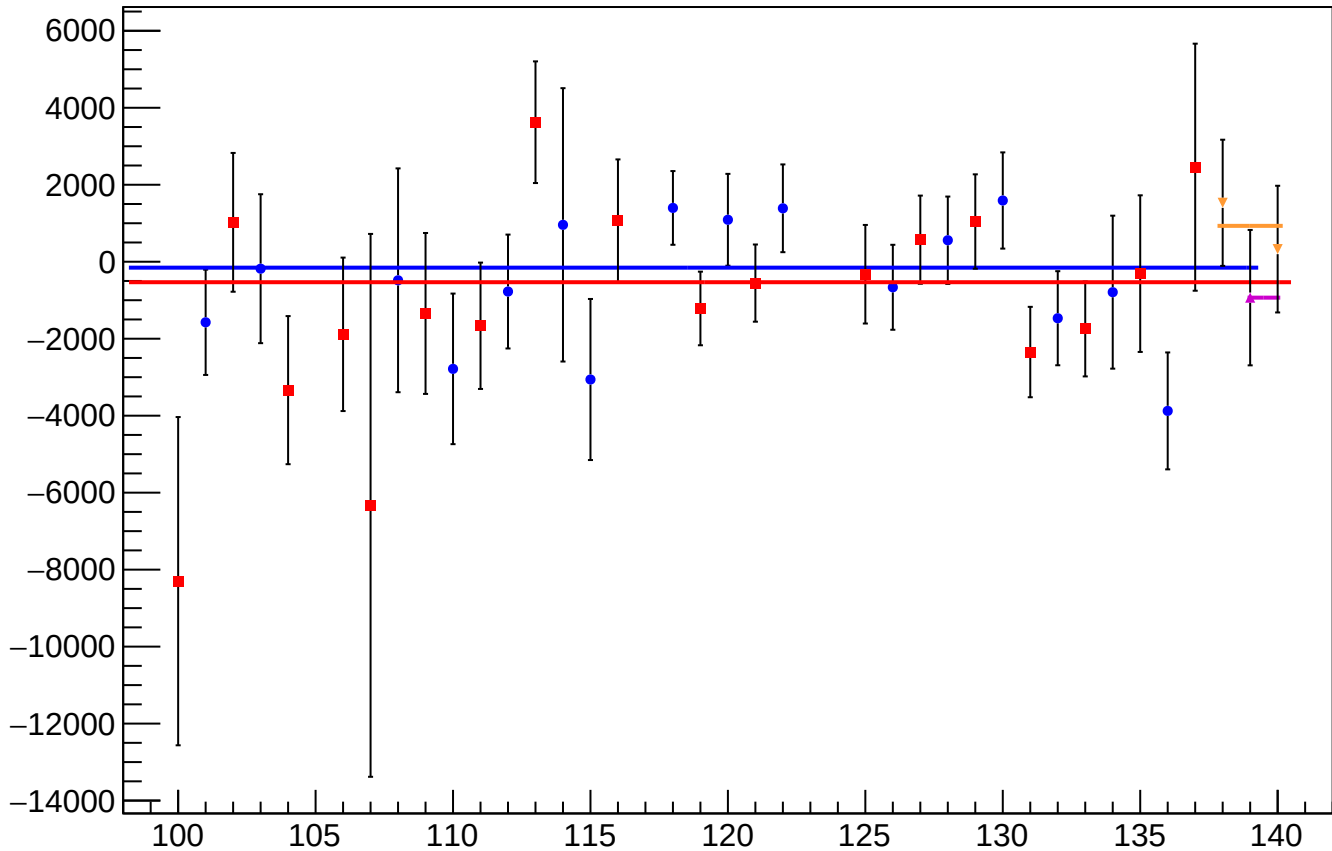
Left In: 1115.860 $\pm$ 0.858 χ^2 /NDF:0.0/0

+ sign 1107.123 $\pm$ 0.263 χ^2 /NDF: 11677.2/17

All: 1110.799 $\pm$ 0.190 χ^2 /NDF: 19418.6/36

- sign 1114.824 $\pm$ 0.275 χ^2 /NDF: 7331.9/18

asym_usl_dit_correction_mean vs Slug



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

Left Out: 932.089 ± 1161.310 χ^2/NDF : 0.3/1

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

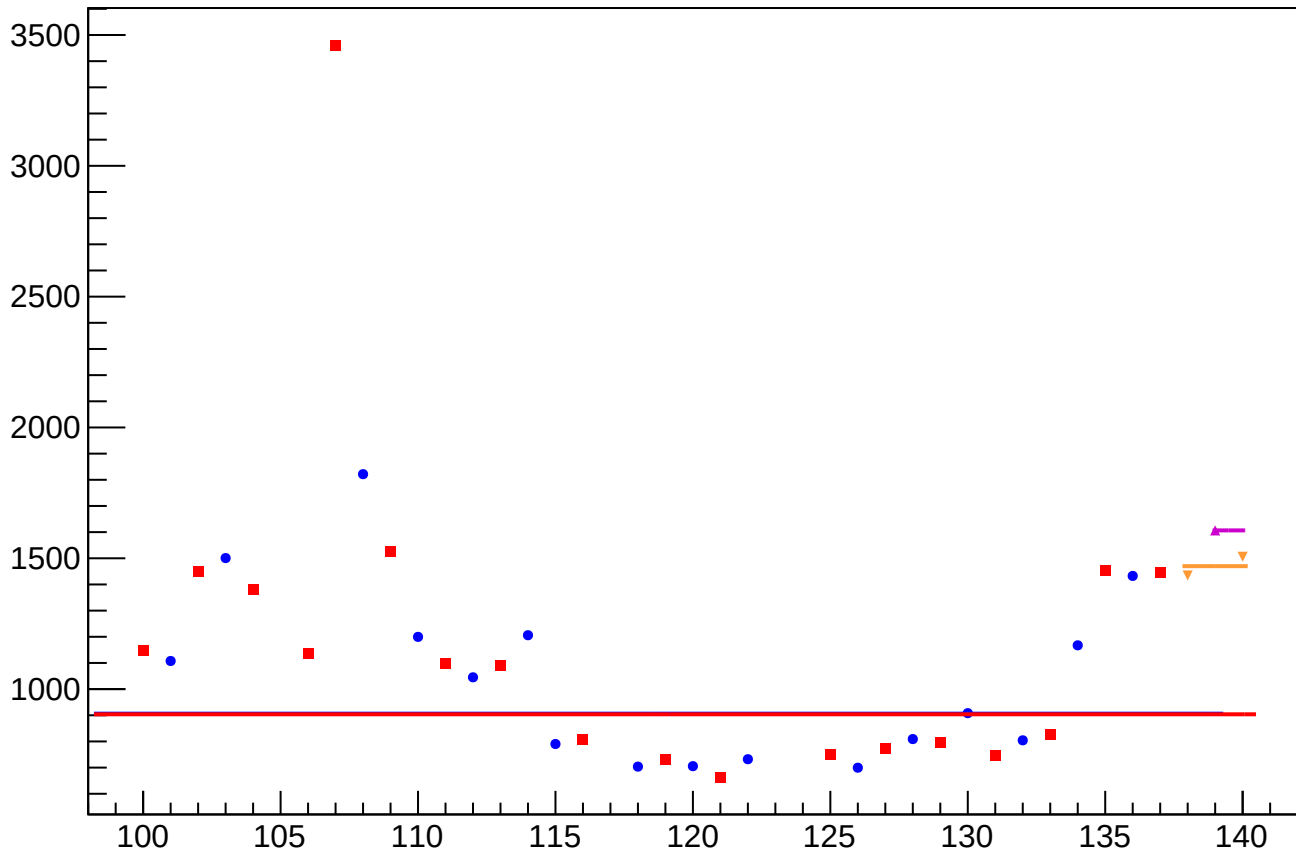
Left In: -933.282 ± 1758.923 χ^2/NDF : 0.0/0

+ sign -62.937 ± 336.267 χ^2/NDF : 21.5/17

All: -299.939 ± 240.346 χ^2/NDF : 45.8/36

- sign -547.467 ± 343.654 χ^2/NDF : 23.3/18

asym_usl_dit_correction_rms vs Slug



Right In: 906.036 $\pm$ 0.248 χ^2 /NDF: 1079435.1/15

Left Out: 1469.908 $\pm$ 0.821 χ^2 /NDF:1893.1/1

Right Out: 903.753 $\pm$ 0.248 χ^2 /NDF: 1339982.2/17

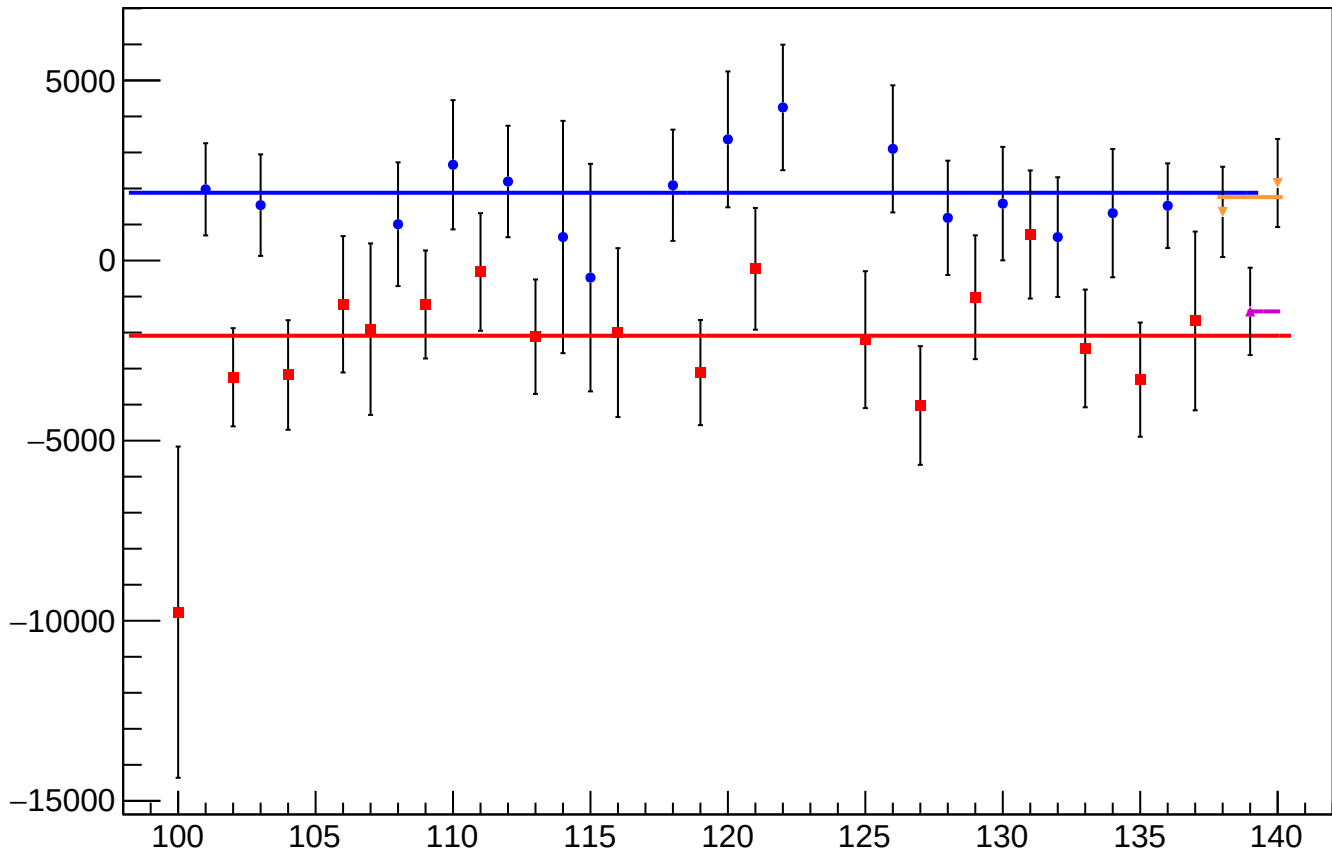
Left In: 1606.603 $\pm$ 1.244 χ^2 /NDF:0.0/0

+ sign 953.313 $\pm$ 0.238 χ^2 /NDF: 1513309.9/17

All: 942.195 $\pm$ 0.170 χ^2 /NDF: 3164917.9/36

- sign 930.583 $\pm$ 0.243 χ^2 /NDF: 1647137.9/18

eigen_dit_asym_usl_mean vs Slug



Right In: 1881.523 $\pm$ 410.700 χ^2/NDF : 5.2/15

Left Out: 1760.929 $\pm$ 875.195 χ^2/NDF : 0.2/1

Right Out: -2086.884 $\pm$ 410.785 χ^2/NDF : 12.4/17

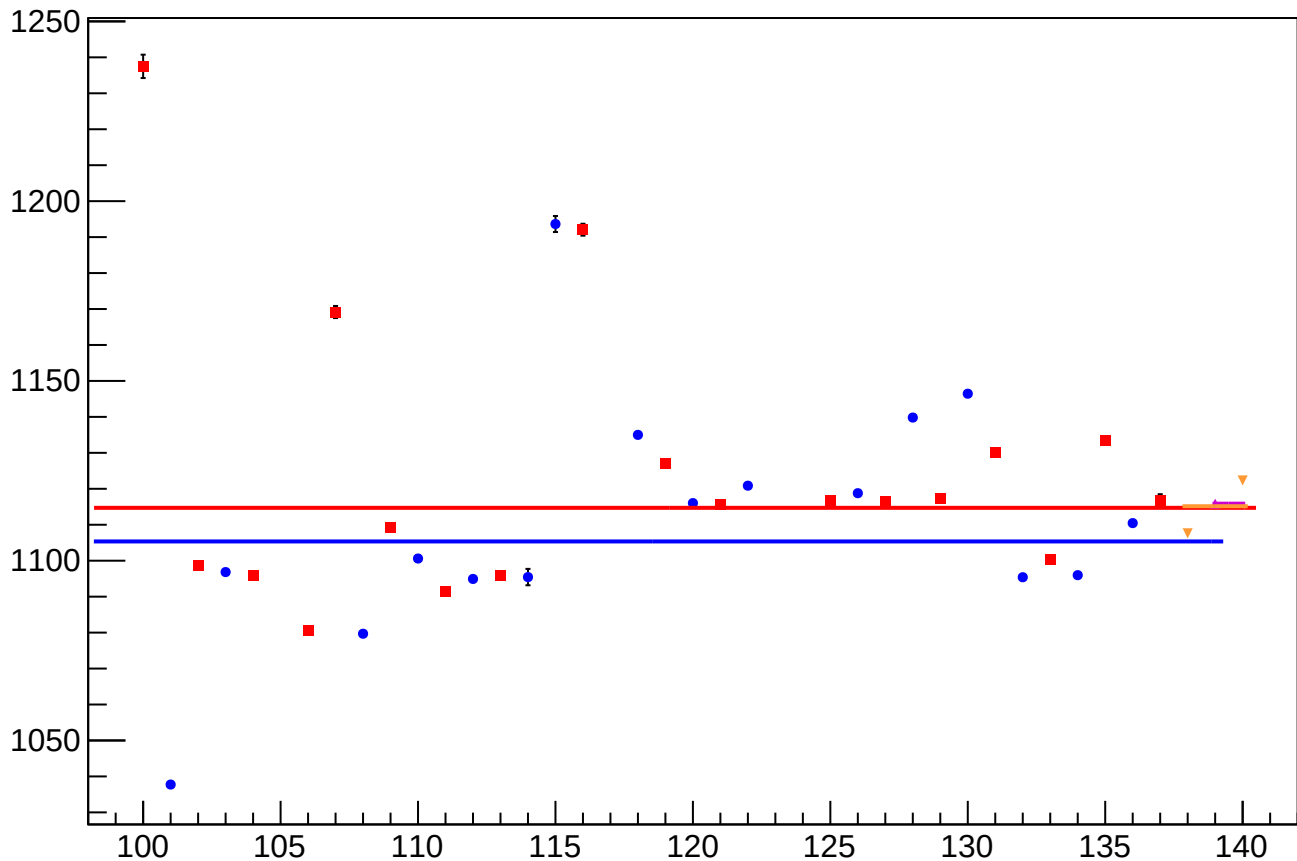
Left In: -1412.229 $\pm$ 1213.383 χ^2/NDF : 0.0/0

+ sign 1859.760 $\pm$ 371.798 χ^2/NDF : 5.4/17

All: 9.204 $\pm$ 268.807 χ^2/NDF : 70.0/36

- sign -2017.511 $\pm$ 389.092 χ^2/NDF : 12.7/18

eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355 $\pm$ 0.290 χ^2 /NDF: 11330.9/15

Left Out: 1115.153 $\pm$ 0.619 χ^2 /NDF:140.9/1

Right Out: 1114.705 $\pm$ 0.290 χ^2 /NDF: 7330.2/17

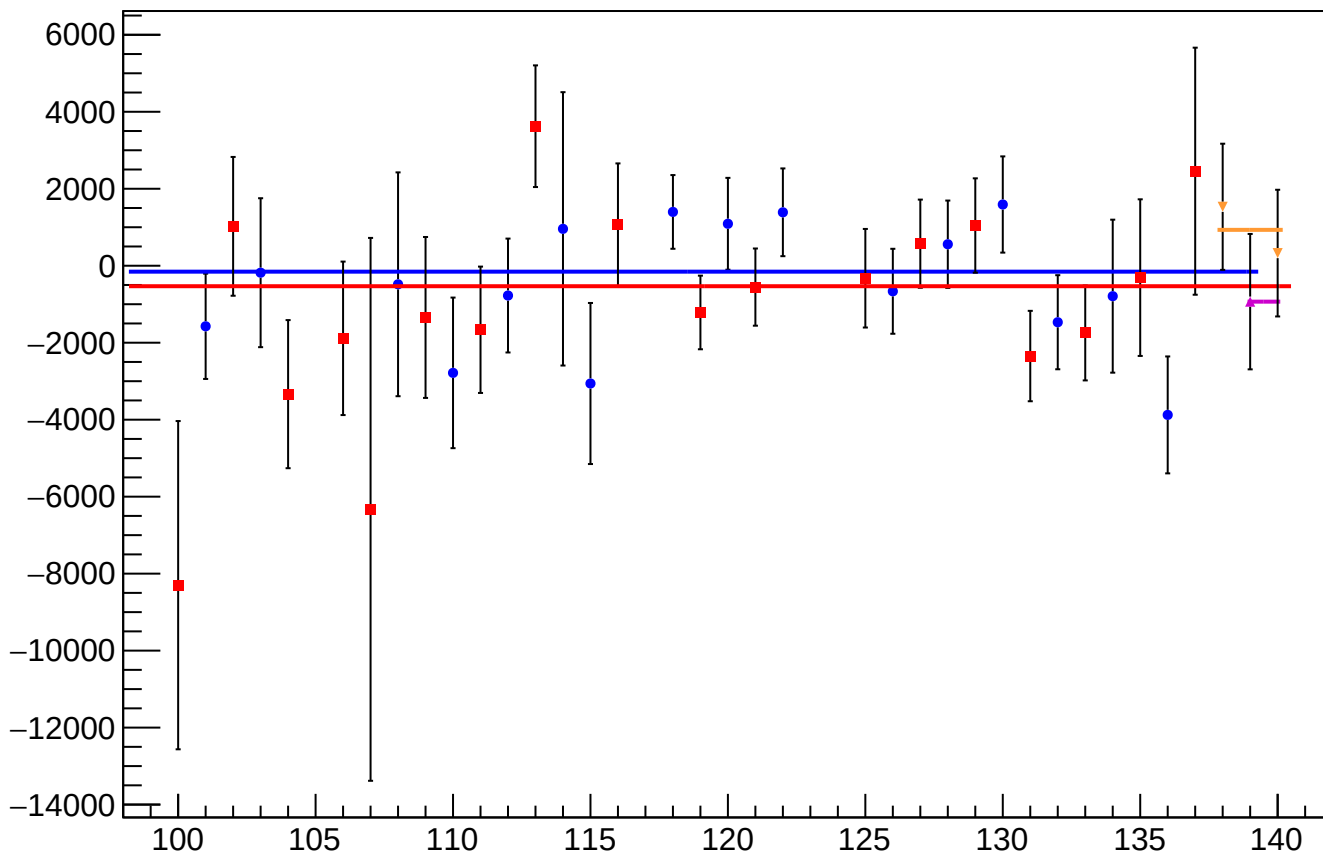
Left In: 1115.860 $\pm$ 0.858 χ^2 /NDF:0.0/0

+ sign 1107.123 $\pm$ 0.263 χ^2 /NDF: 11677.3/17

All: 1110.799 $\pm$ 0.190 χ^2 /NDF: 19418.6/36

- sign 1114.824 $\pm$ 0.275 χ^2 /NDF: 7331.9/18

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: 932.094 ± 1161.311 χ^2/NDF : 0.3/1

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

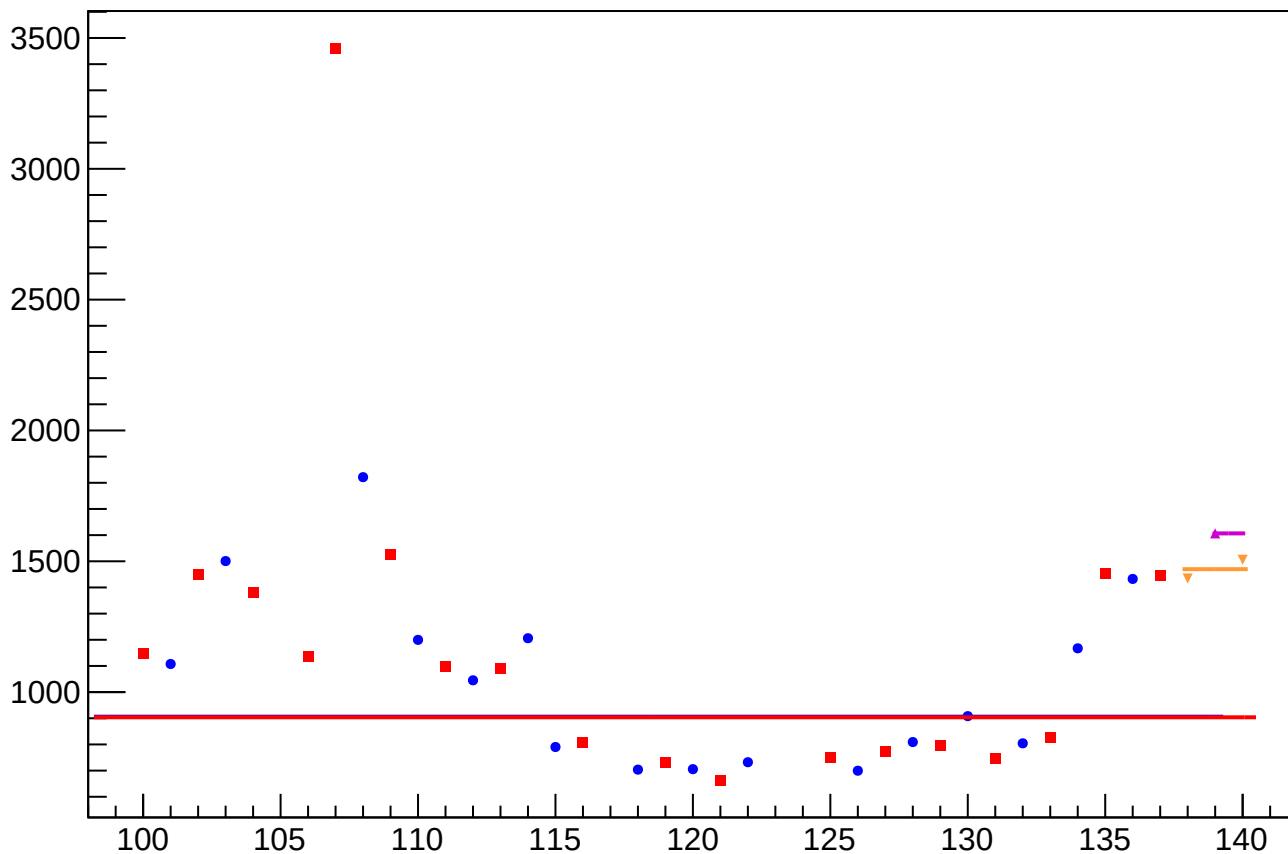
Left In: -933.291 ± 1758.926 χ^2/NDF : 0.0/0

+ sign -62.936 ± 336.267 χ^2/NDF : 21.5/17

All: -299.938 ± 240.345 χ^2/NDF : 45.8/36

- sign -547.467 ± 343.653 χ^2/NDF : 23.3/18

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1469.910+/-0.821 χ^2/NDF : 1893.0/1

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

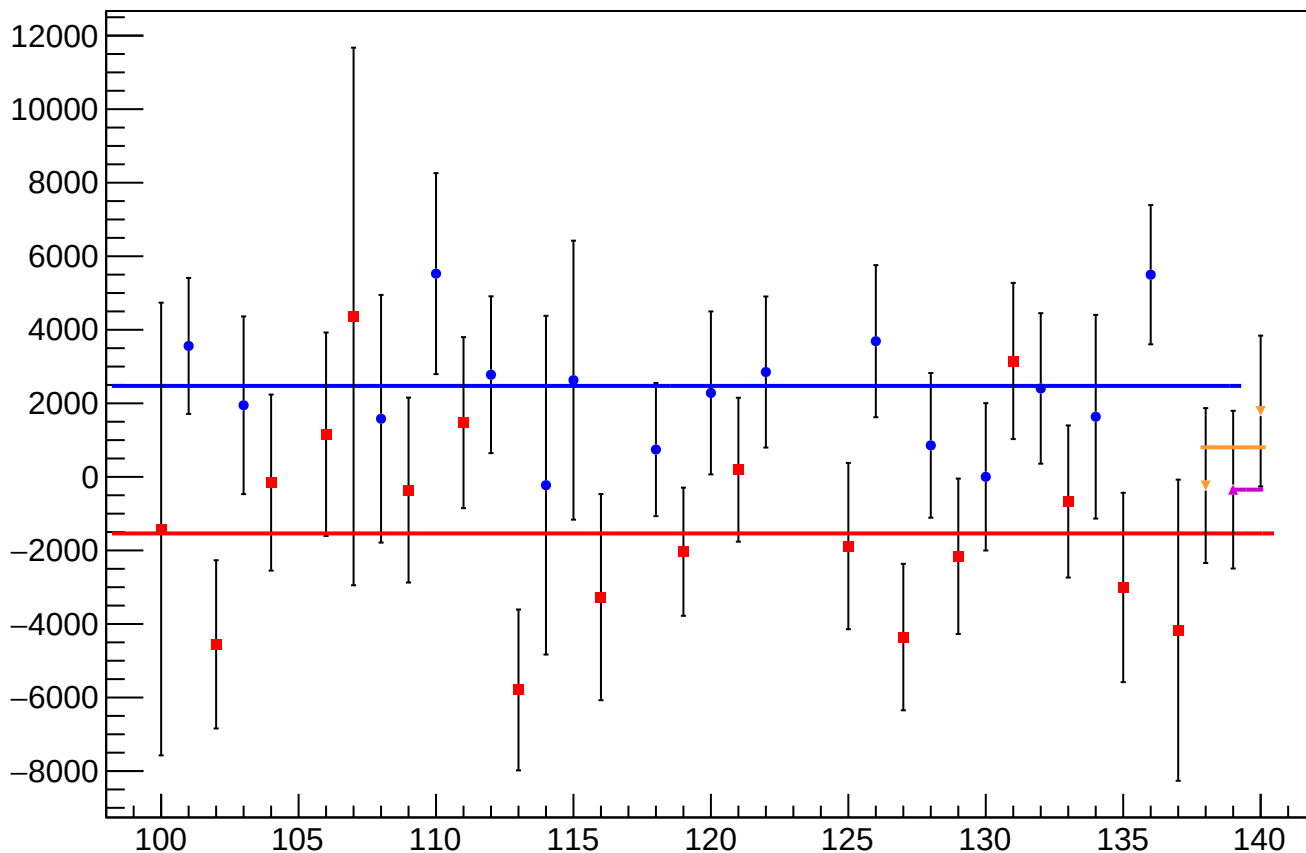
Left In: 1606.606+/-1.244 χ^2/NDF : 0.0/0

+ sign 953.311+/-0.238 χ^2/NDF : 1513319.9/17

All: 942.193+/-0.170 χ^2/NDF : 3164934.5/36

- sign 930.581+/-0.243 χ^2/NDF : 1647144.5/18

asym_usl_mean vs Slug



Right In: 2474.066 $\pm$ 562.796 χ^2 /NDF: 8.2/15

Left Out: 804.056 $\pm$ 1469.442 χ^2 /NDF:0.5/1

Right Out: -1537.435 $\pm$ 563.556 χ^2 /NDF: 18.5/17

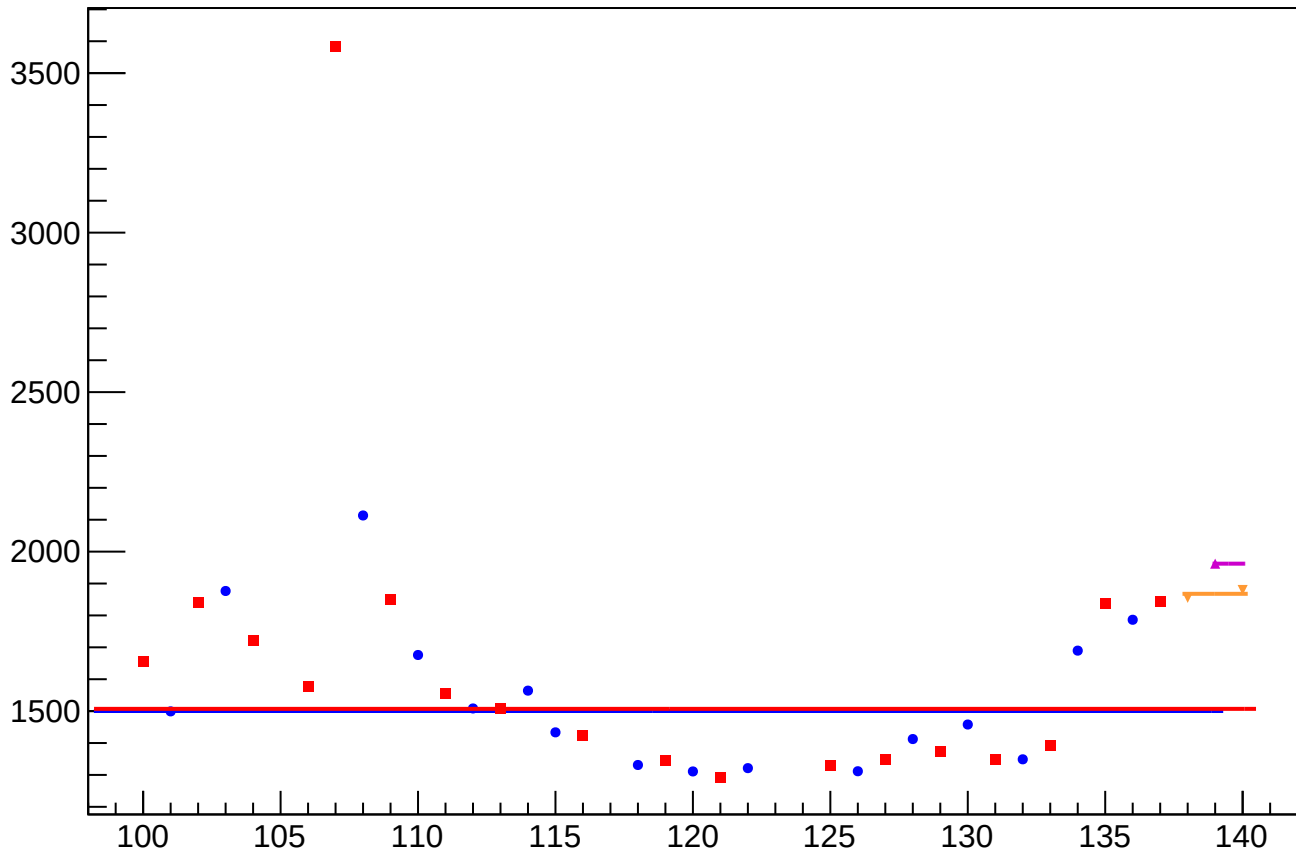
Left In: -347.127 $\pm$ 2144.678 χ^2 /NDF:0.0/0

+ sign 2260.432 $\pm$ 525.567 χ^2 /NDF: 9.8/17

All: 467.640 $\pm$ 378.333 χ^2 /NDF: 52.8/36

- sign -1460.556 $\pm$ 545.053 χ^2 /NDF: 18.8/18

asym_usl_rms vs Slug



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

Left Out: 1867.733+/-1.039 χ^2/NDF :139.8/1

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

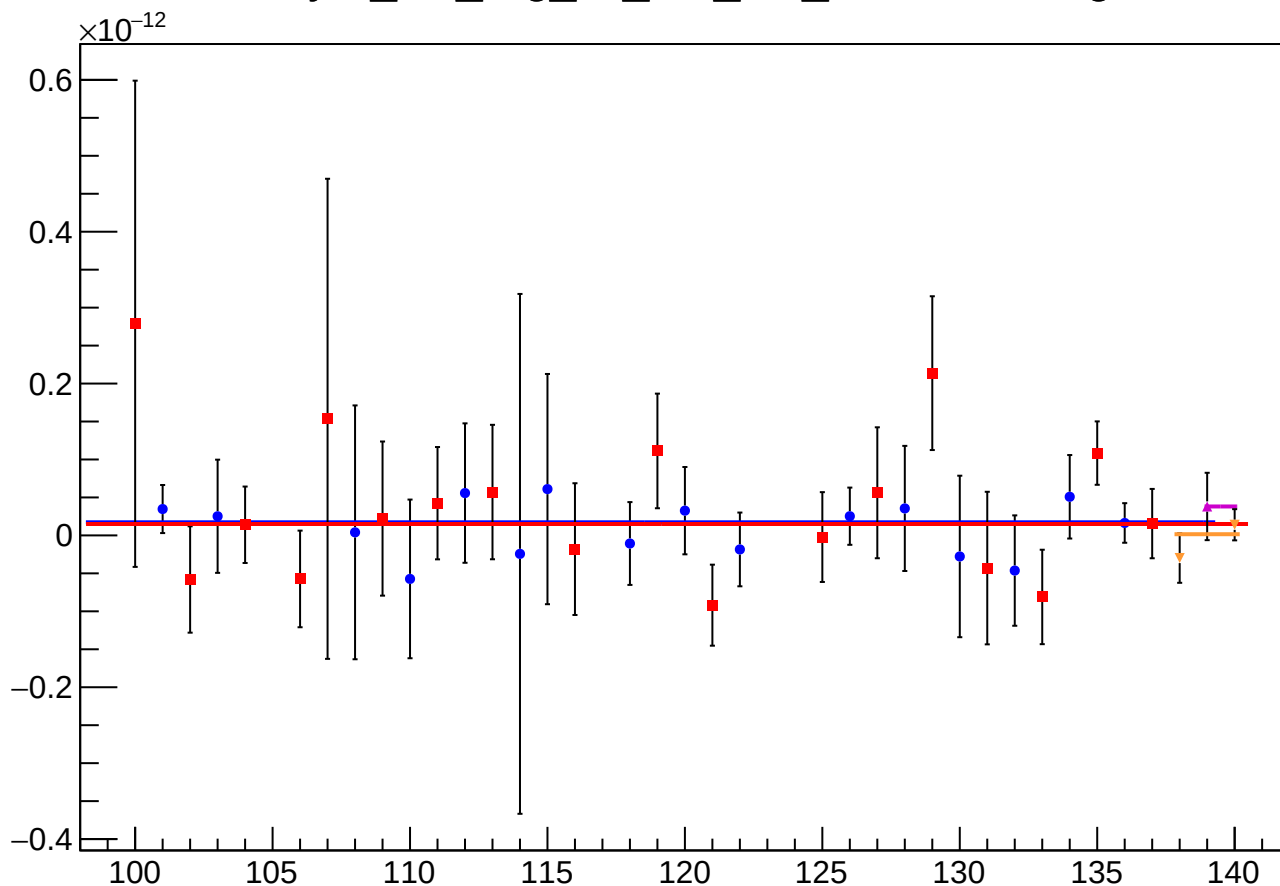
Left In: 1962.254+/-1.517 χ^2/NDF :0.0/0

+ sign 1547.371+/-0.372 χ^2/NDF : 367939.5/17

All: 1542.131+/-0.268 χ^2/NDF : 853841.2/36

- sign 1536.495+/-0.385 χ^2/NDF : 485489.1/18

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 3.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.3/17

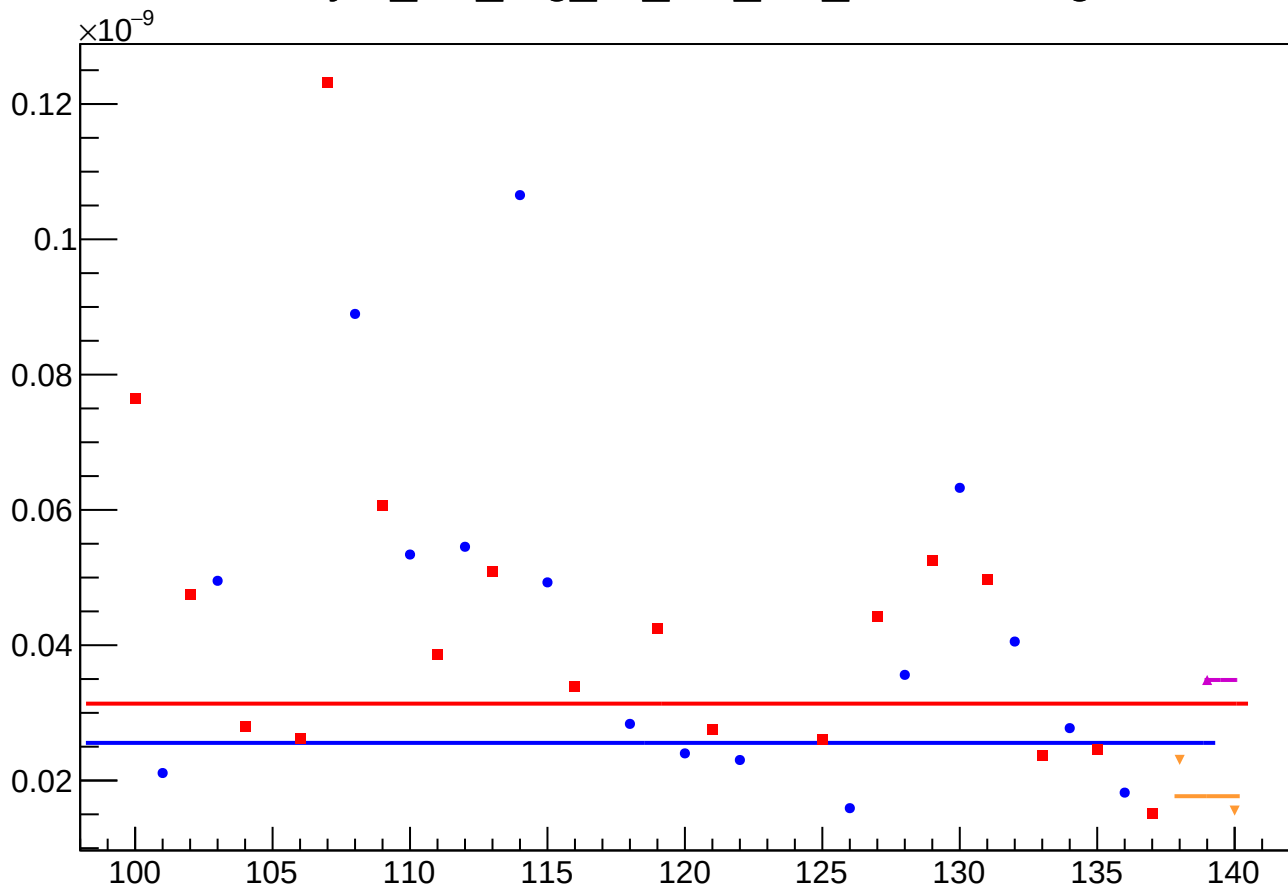
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 5.2/17

All: 0.000 ± 0.000 χ^2/NDF : 26.8/36

- sign 0.000 ± 0.000 χ^2/NDF : 21.5/18

asym_usl_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 75648.0/1

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

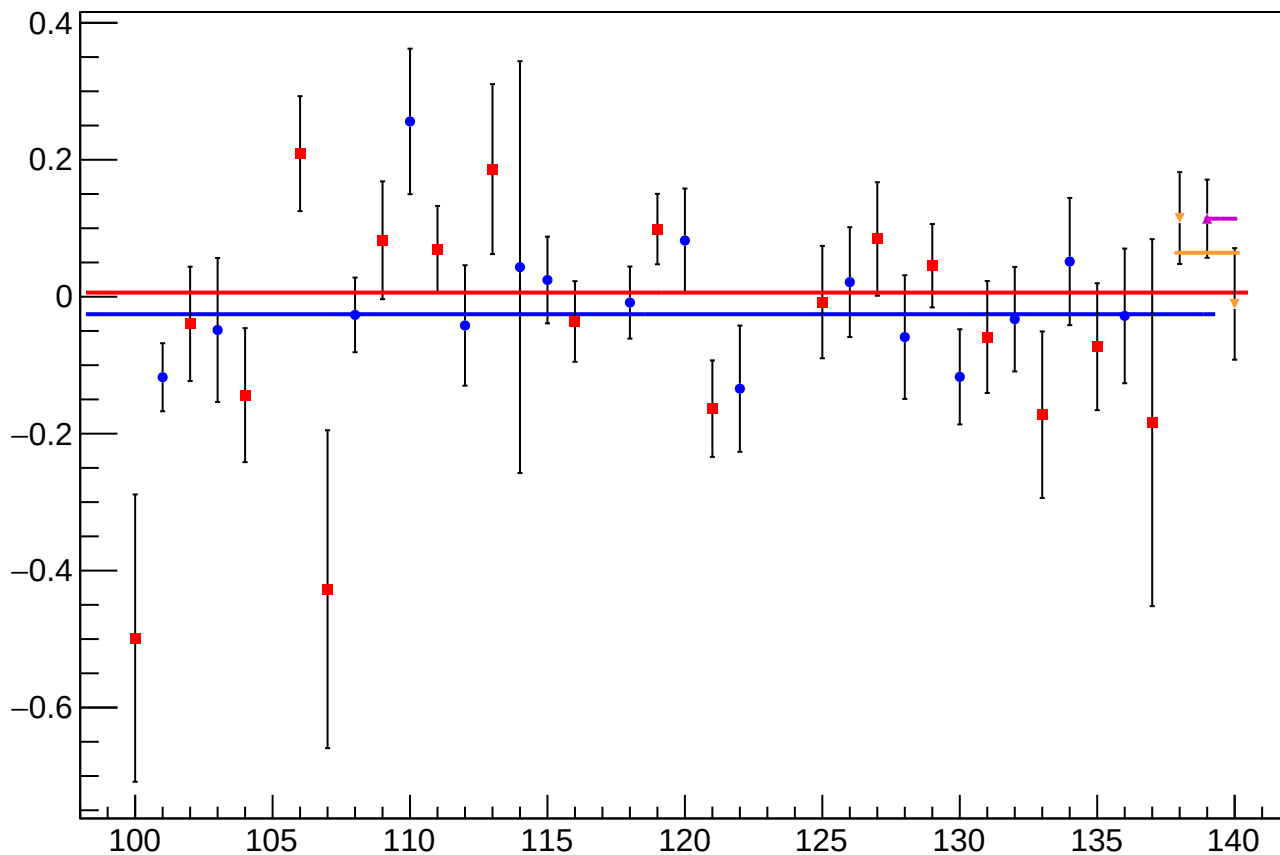
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2039574.4/17

All: 0.000+/-0.000 χ^2/NDF : 3770068.4/36

- sign 0.000+/-0.000 χ^2/NDF : 1239073.4/18

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.064 ± 0.052 χ^2/NDF : 1.4/1

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

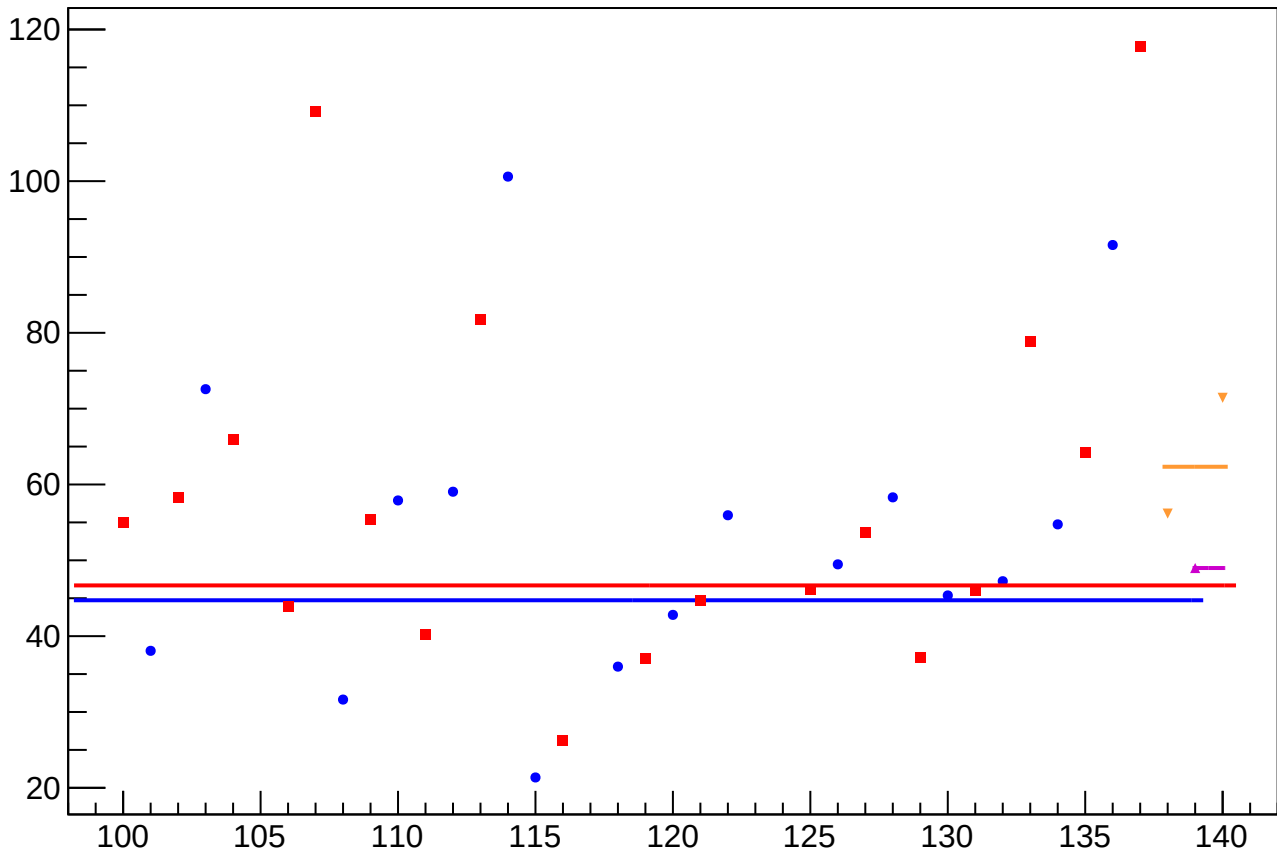
Left In: 0.114 ± 0.057 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: 0.000 ± 0.013 χ^2/NDF : 63.0/36

- sign 0.017 ± 0.018 χ^2/NDF : 39.7/18

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.338+/-0.037 χ^2 /NDF: 41835.4/1

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

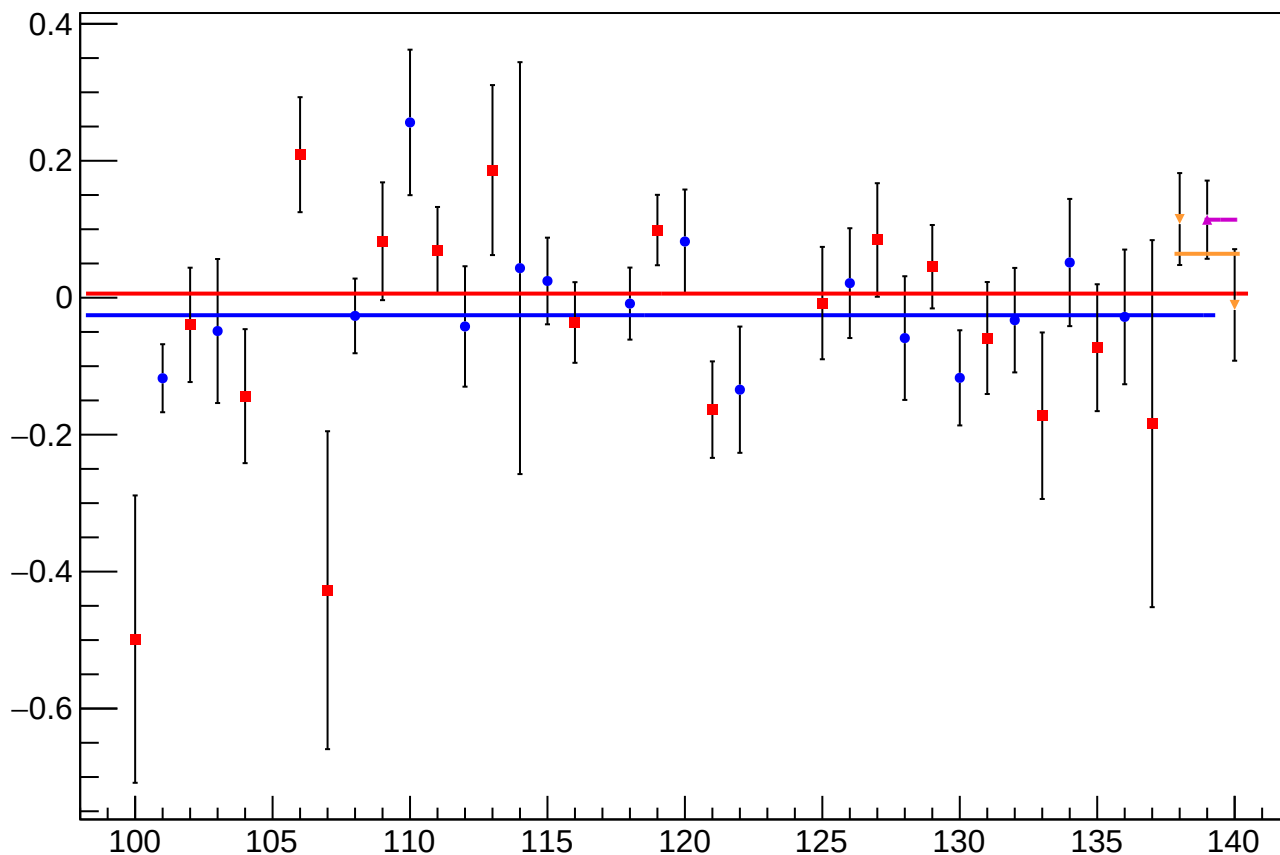
Left In: 48.985+/-0.040 χ^2 /NDF: 0.0/0

+ sign 46.775+/-0.012 χ^2 /NDF: 1580491.9/17

All: 46.848+/-0.009 χ^2 /NDF: 2778922.3/36

- sign 46.928+/-0.013 χ^2 /NDF: 1198358.4/18

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026 $\pm$ 0.019 χ^2 /NDF: 17.6/15

Left Out: 0.064 $\pm$ 0.052 χ^2 /NDF:1.4/1

Right Out: 0.006 $\pm$ 0.019 χ^2 /NDF: 36.5/17

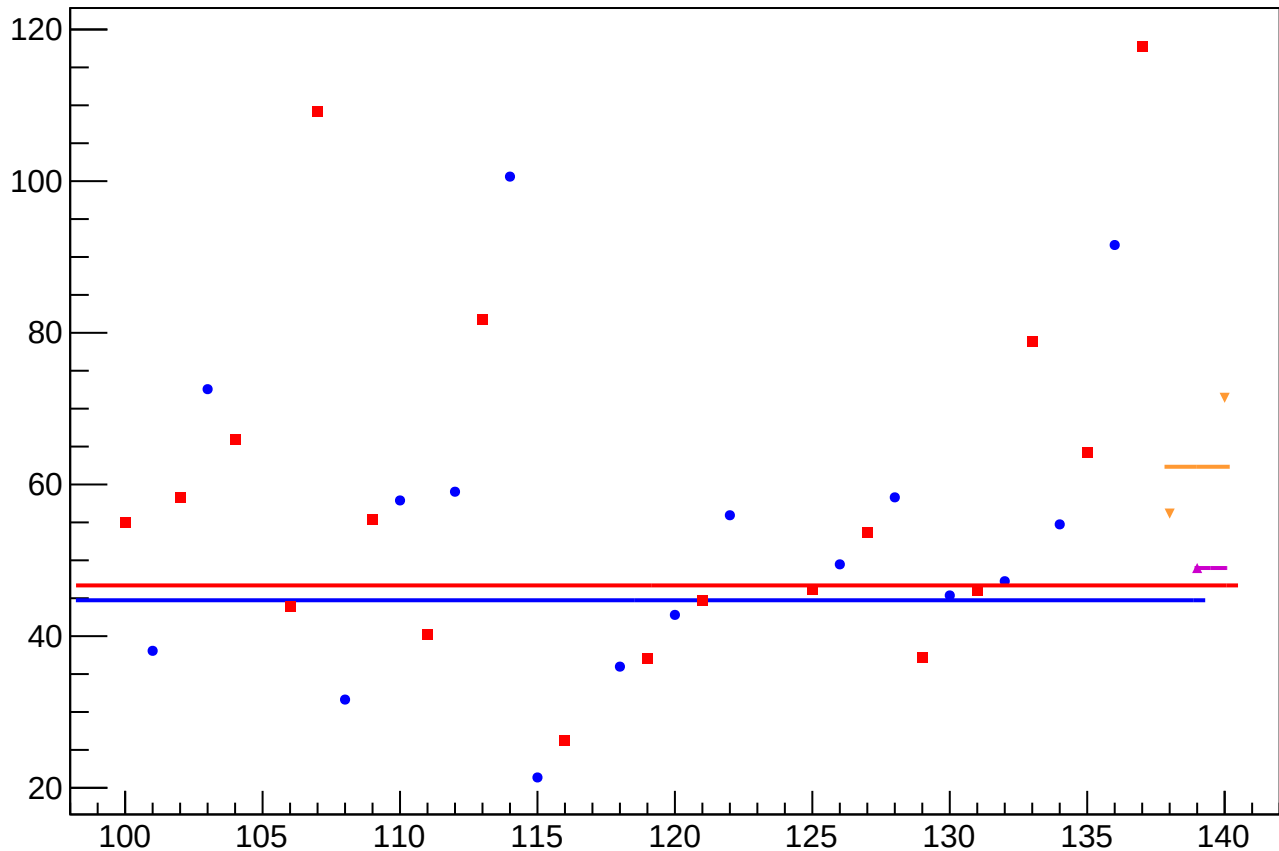
Left In: 0.114 $\pm$ 0.057 χ^2 /NDF:0.0/0

+ sign -0.015 $\pm$ 0.018 χ^2 /NDF: 21.7/17

All: 0.000 $\pm$ 0.013 χ^2 /NDF: 63.0/36

- sign 0.017 $\pm$ 0.018 χ^2 /NDF: 39.7/18

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 62.338+/-0.037 χ^2/NDF : 41835.4/1

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

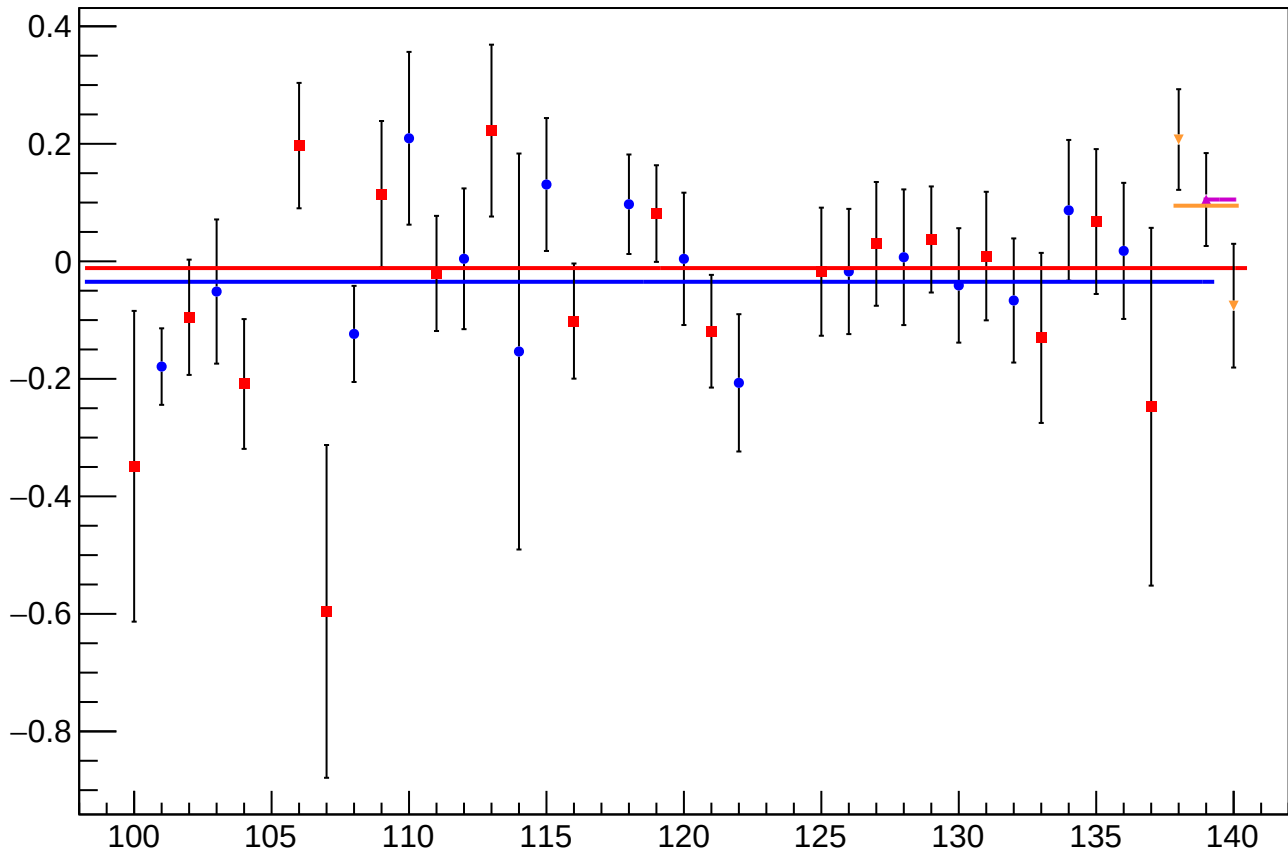
Left In: 48.985+/-0.040 χ^2/NDF : 0.0/0

+ sign 46.775+/-0.012 χ^2/NDF : 1580491.9/17

All: 46.848+/-0.009 χ^2/NDF : 2778922.3/36

- sign 46.928+/-0.013 χ^2/NDF : 1198358.4/18

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.095 ± 0.066 χ^2/NDF : 4.3/1

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

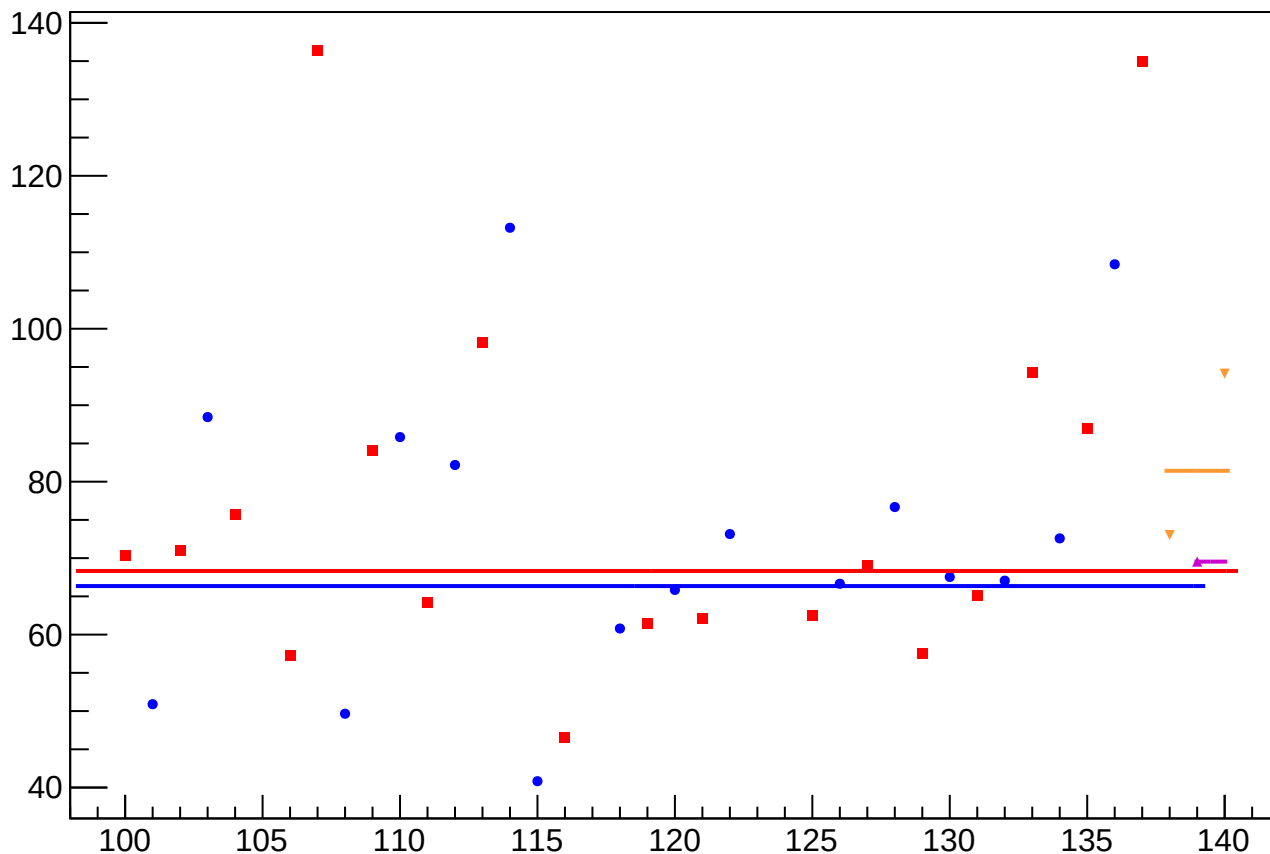
Left In: 0.105 ± 0.079 χ^2/NDF : 0.0/0

+ sign -0.017 ± 0.024 χ^2/NDF : 25.1/17

All: -0.009 ± 0.018 χ^2/NDF : 50.0/36

- sign 0.001 ± 0.025 χ^2/NDF : 24.7/18

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348 $\pm$ 0.019 χ^2 /NDF: 772653.3/15

Left Out: 81.425 $\pm$ 0.047 χ^2 /NDF: 48377.1/1

Right Out: 68.322 $\pm$ 0.019 χ^2 /NDF: 629670.0/17

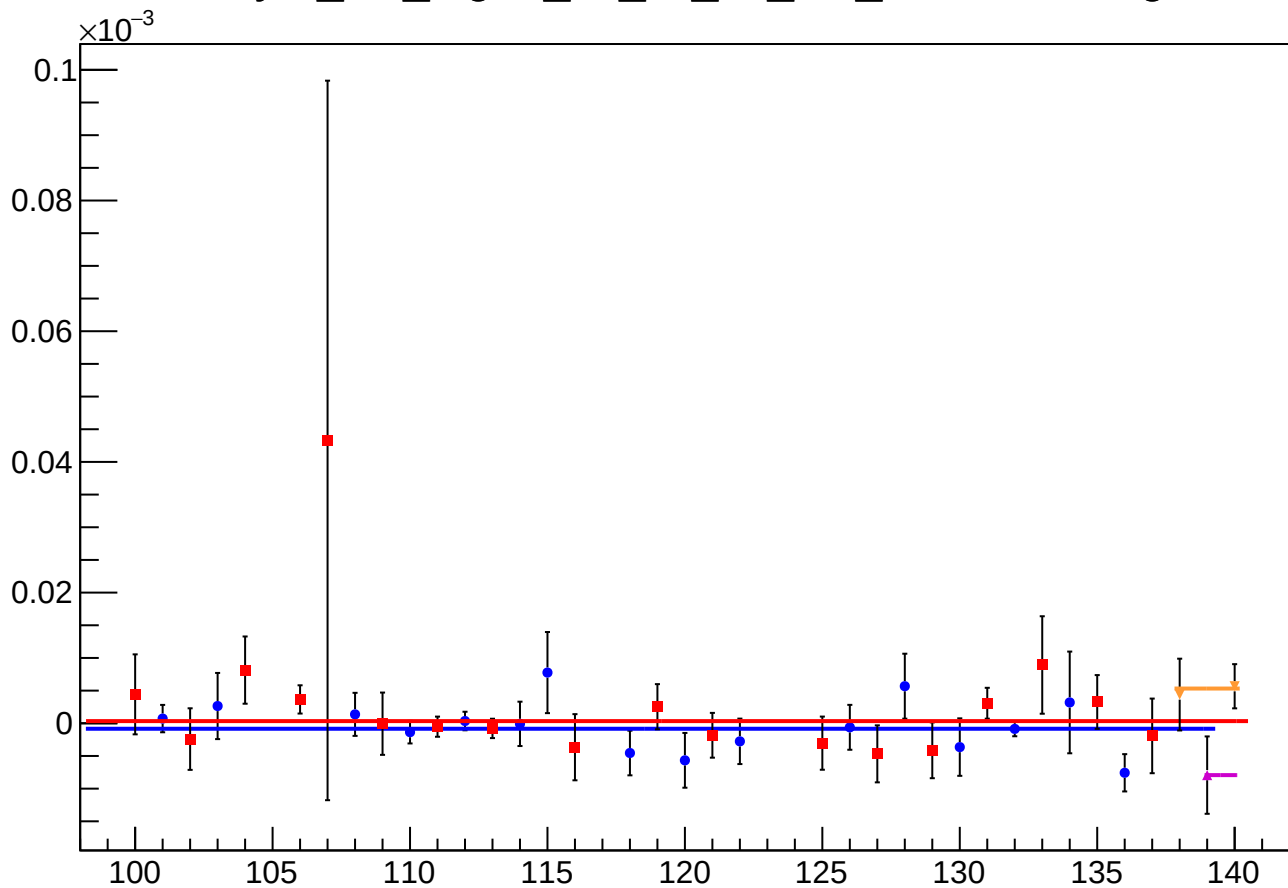
Left In: 69.544 $\pm$ 0.056 χ^2 /NDF: 0.0/0

+ sign 68.387 $\pm$ 0.017 χ^2 /NDF: 910069.0/17

All: 68.416 $\pm$ 0.012 χ^2 /NDF: 1540173.5/36

- sign 68.449 $\pm$ 0.018 χ^2 /NDF: 630098.3/18

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 : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.8/17

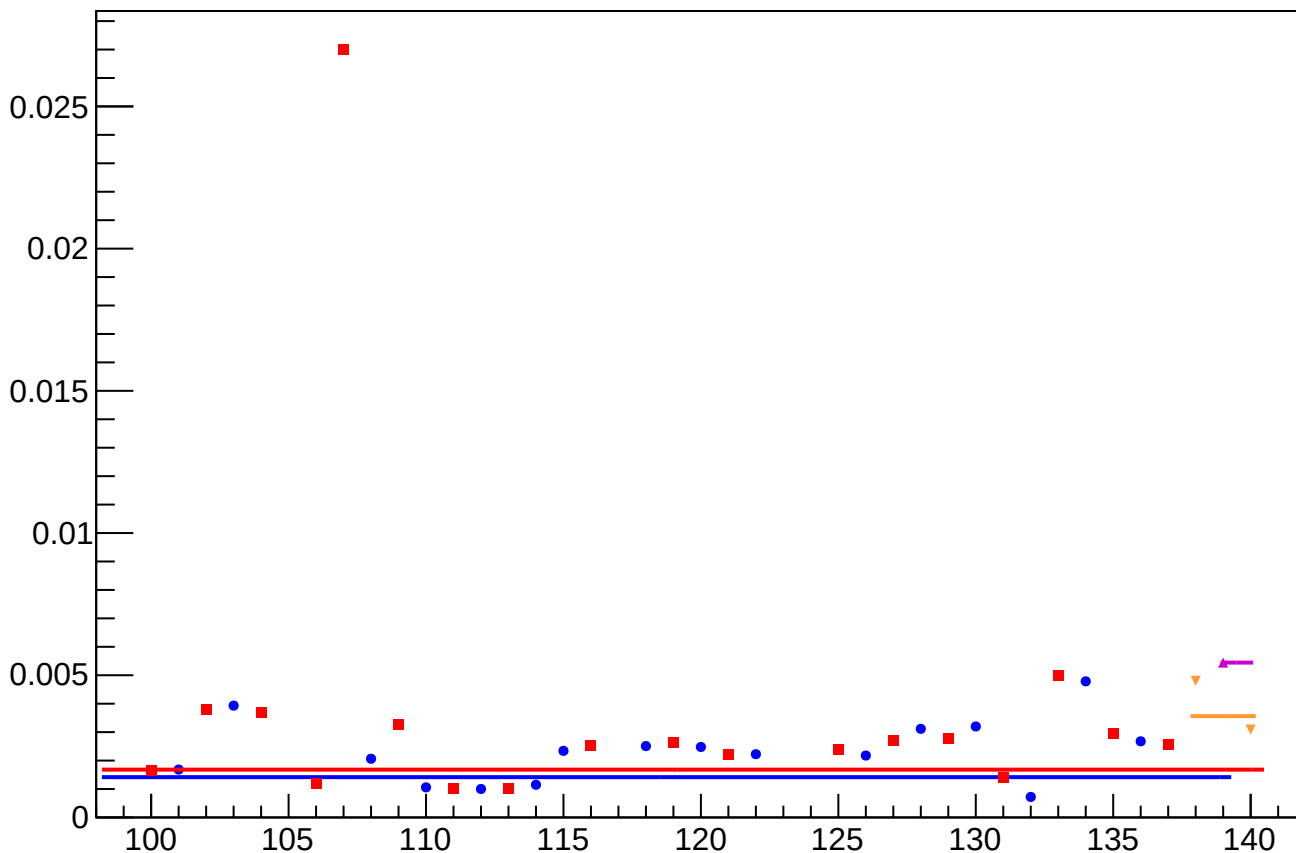
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 19.4/17

All: -0.000 ± 0.000 χ^2/NDF : 36.8/36

- sign 0.000 ± 0.000 χ^2/NDF : 16.7/18

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 : 140857.2/1

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

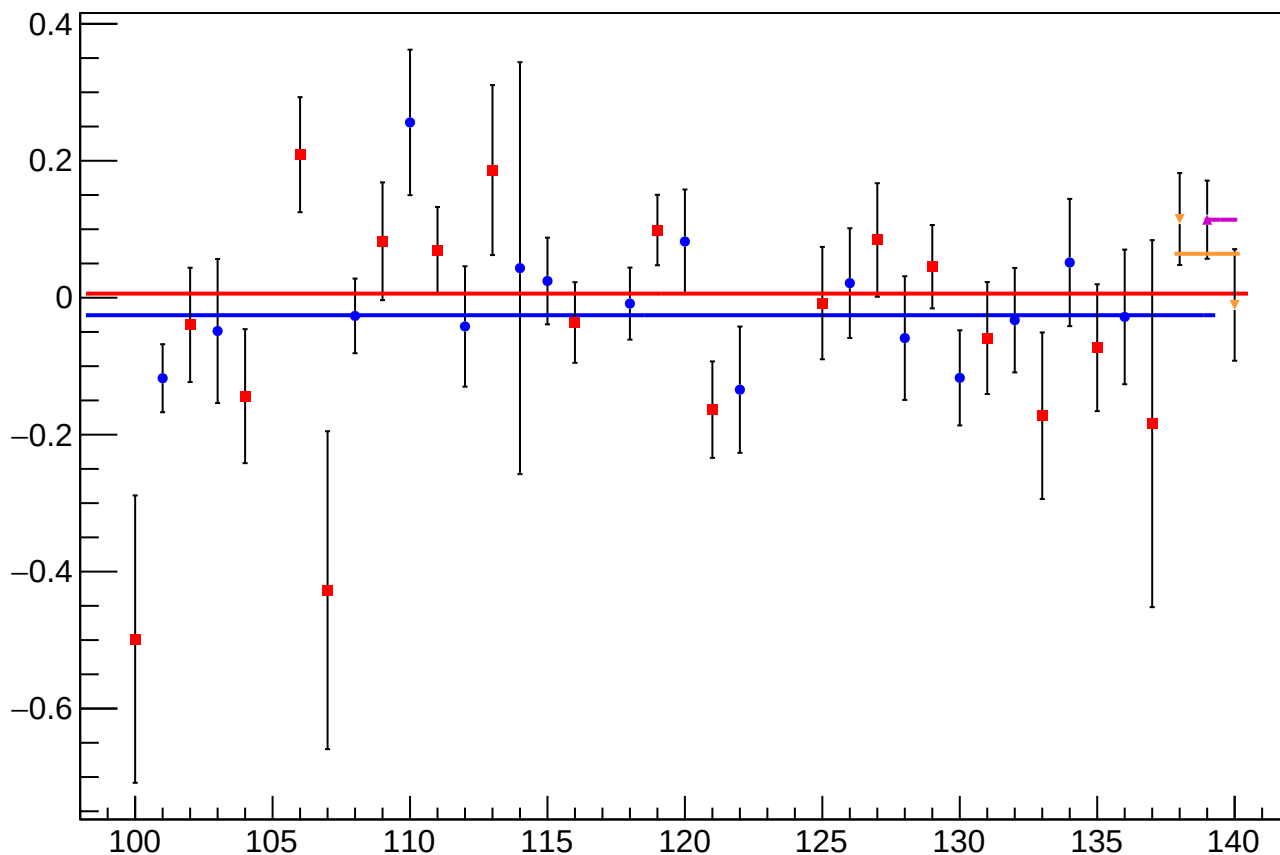
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 4748413.3/17

All: 0.002+/-0.000 χ^2/NDF : 9087883.7/36

- sign 0.002+/-0.000 χ^2/NDF : 4223562.6/18

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.064 ± 0.052 χ^2/NDF : 1.4/1

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

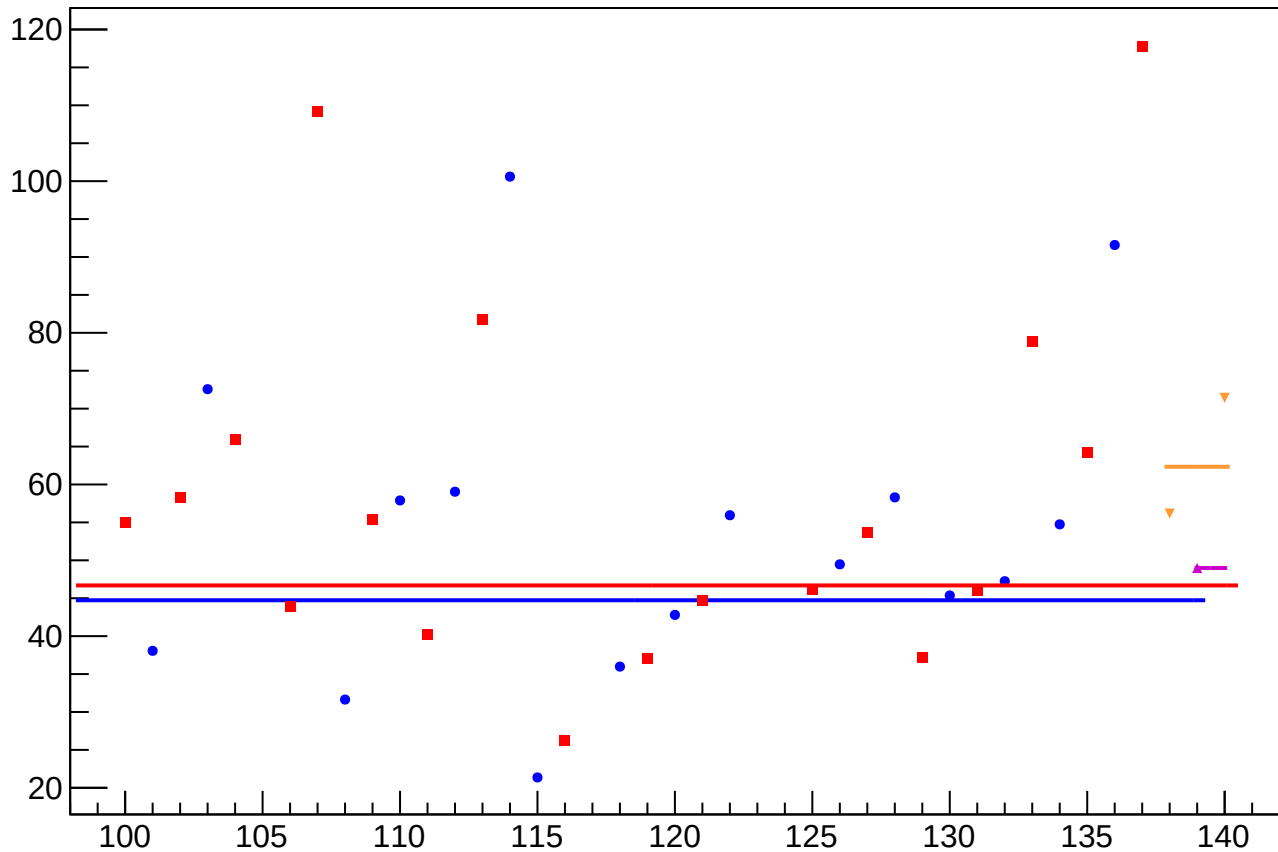
Left In: 0.114 ± 0.057 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: 0.000 ± 0.013 χ^2/NDF : 63.0/36

- sign 0.017 ± 0.018 χ^2/NDF : 39.7/18

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732 $\pm$ 0.013 χ^2 /NDF: 1334604.0/15

Left Out: 62.337 $\pm$ 0.037 χ^2 /NDF: 41837.9/1

Right Out: 46.690 $\pm$ 0.014 χ^2 /NDF: 1195504.1/17

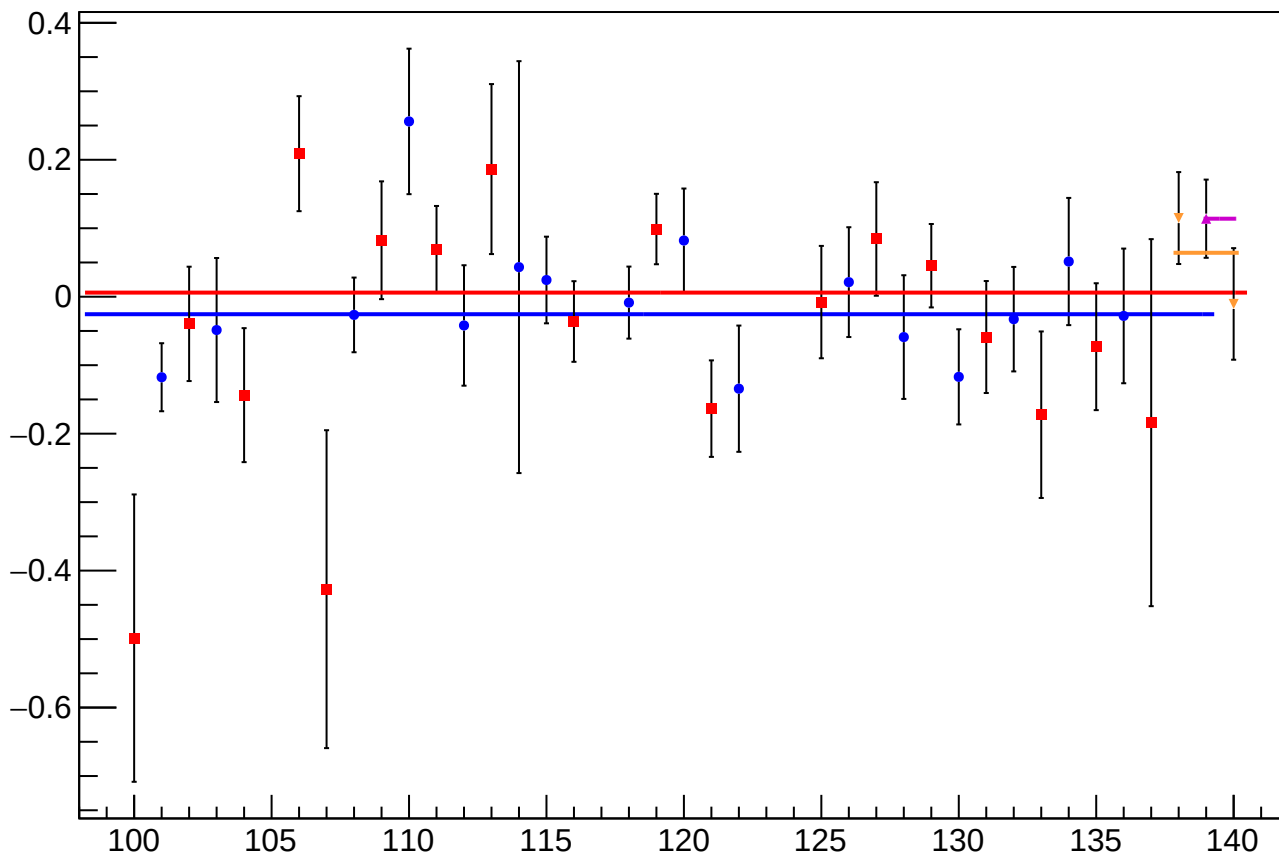
Left In: 48.985 $\pm$ 0.040 χ^2 /NDF: 0.0/0

+ sign 46.774 $\pm$ 0.012 χ^2 /NDF: 1580568.1/17

All: 46.847 $\pm$ 0.009 χ^2 /NDF: 2779041.7/36

- sign 46.927 $\pm$ 0.013 χ^2 /NDF: 1198401.5/18

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.064 ± 0.052 χ^2/NDF : 1.4/1

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

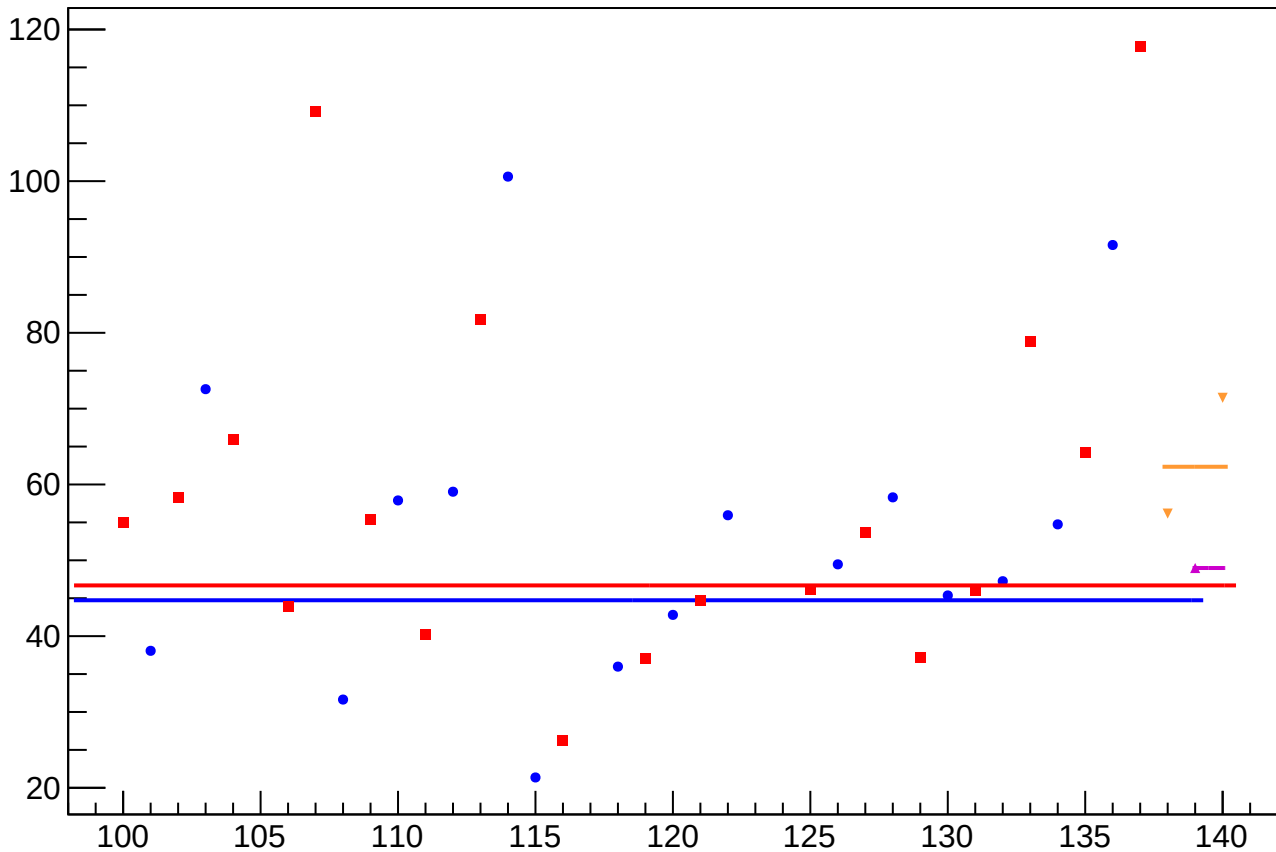
Left In: 0.114 ± 0.057 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: 0.000 ± 0.013 χ^2/NDF : 63.0/36

- sign 0.017 ± 0.018 χ^2/NDF : 39.7/18

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732 $\pm$ 0.013 χ^2 /NDF: 1334604.0/15

Left Out: 62.337 $\pm$ 0.037 χ^2 /NDF: 41837.9/1

Right Out: 46.690 $\pm$ 0.014 χ^2 /NDF: 1195504.1/17

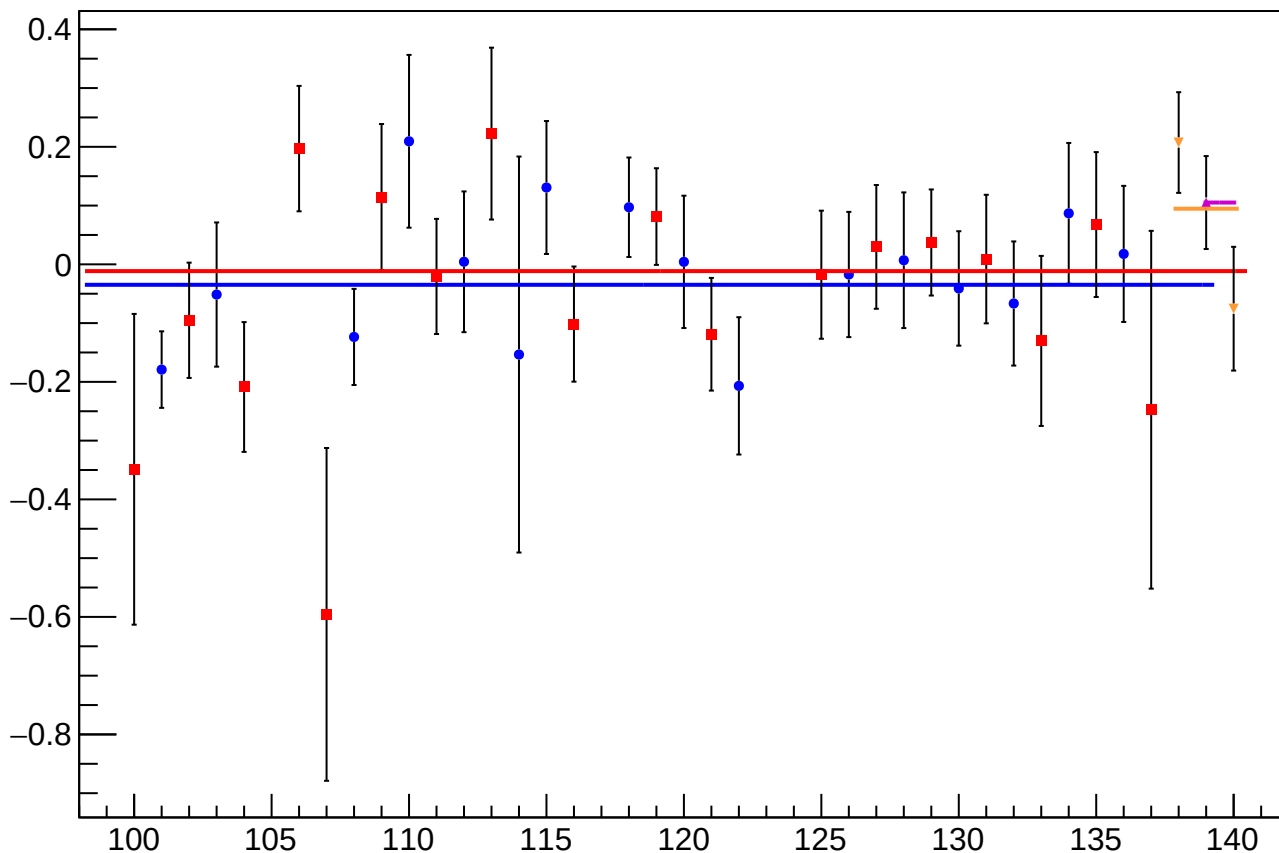
Left In: 48.985 $\pm$ 0.040 χ^2 /NDF: 0.0/0

+ sign 46.774 $\pm$ 0.012 χ^2 /NDF: 1580568.1/17

All: 46.847 $\pm$ 0.009 χ^2 /NDF: 2779041.7/36

- sign 46.927 $\pm$ 0.013 χ^2 /NDF: 1198401.5/18

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035 ± 0.026 $\chi^2/\text{NDF}: 17.4/15$

Left Out: 0.095 ± 0.066 $\chi^2/\text{NDF}: 4.3/1$

Right Out: -0.012 ± 0.027 $\chi^2/\text{NDF}: 22.8/17$

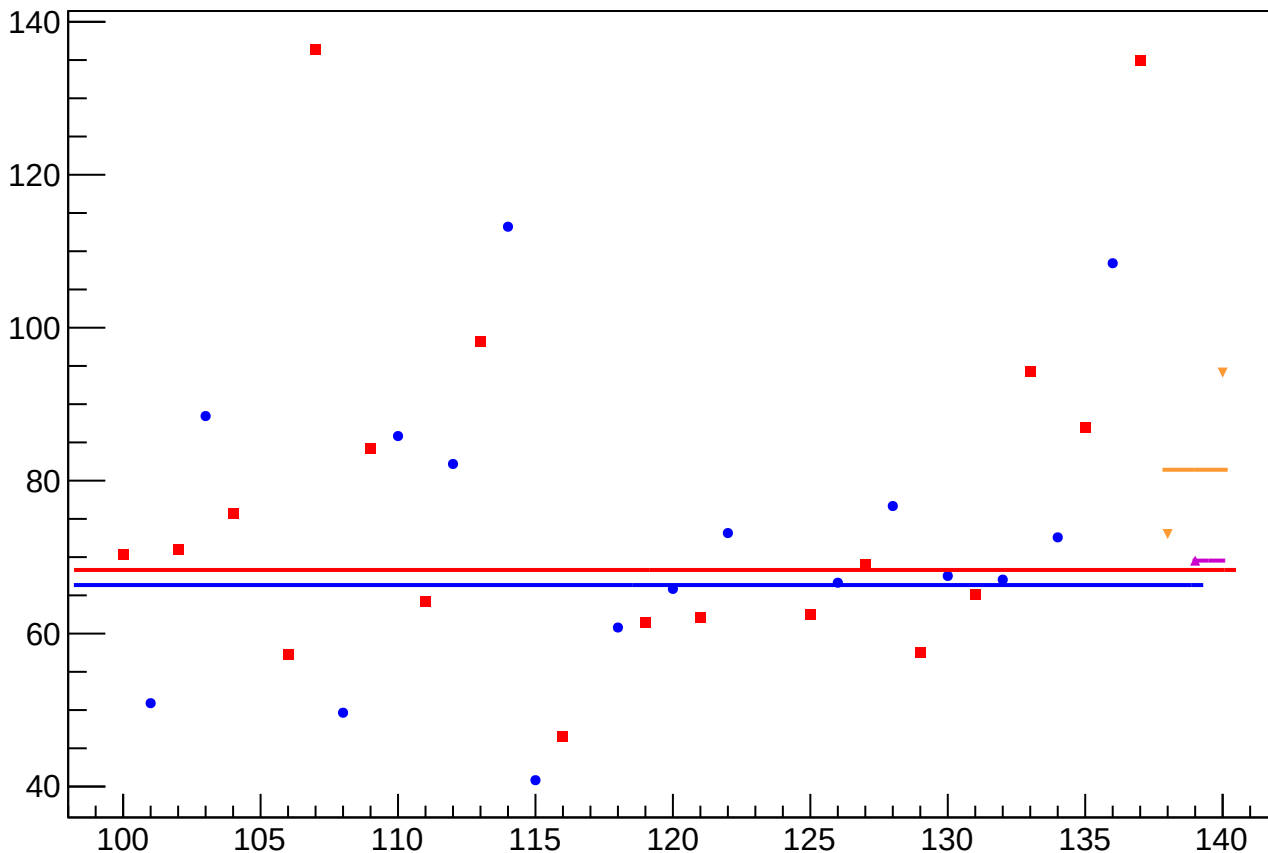
Left In: 0.105 ± 0.079 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.017 ± 0.024 $\chi^2/\text{NDF}: 25.1/17$

All: -0.009 ± 0.018 $\chi^2/\text{NDF}: 50.0/36$

- sign 0.001 ± 0.025 $\chi^2/\text{NDF}: 24.7/18$

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348 $\pm$ 0.019 χ^2 /NDF: 772660.4/15

Left Out: 81.424 $\pm$ 0.047 χ^2 /NDF: 48379.0/1

Right Out: 68.321 $\pm$ 0.019 χ^2 /NDF: 629665.7/17

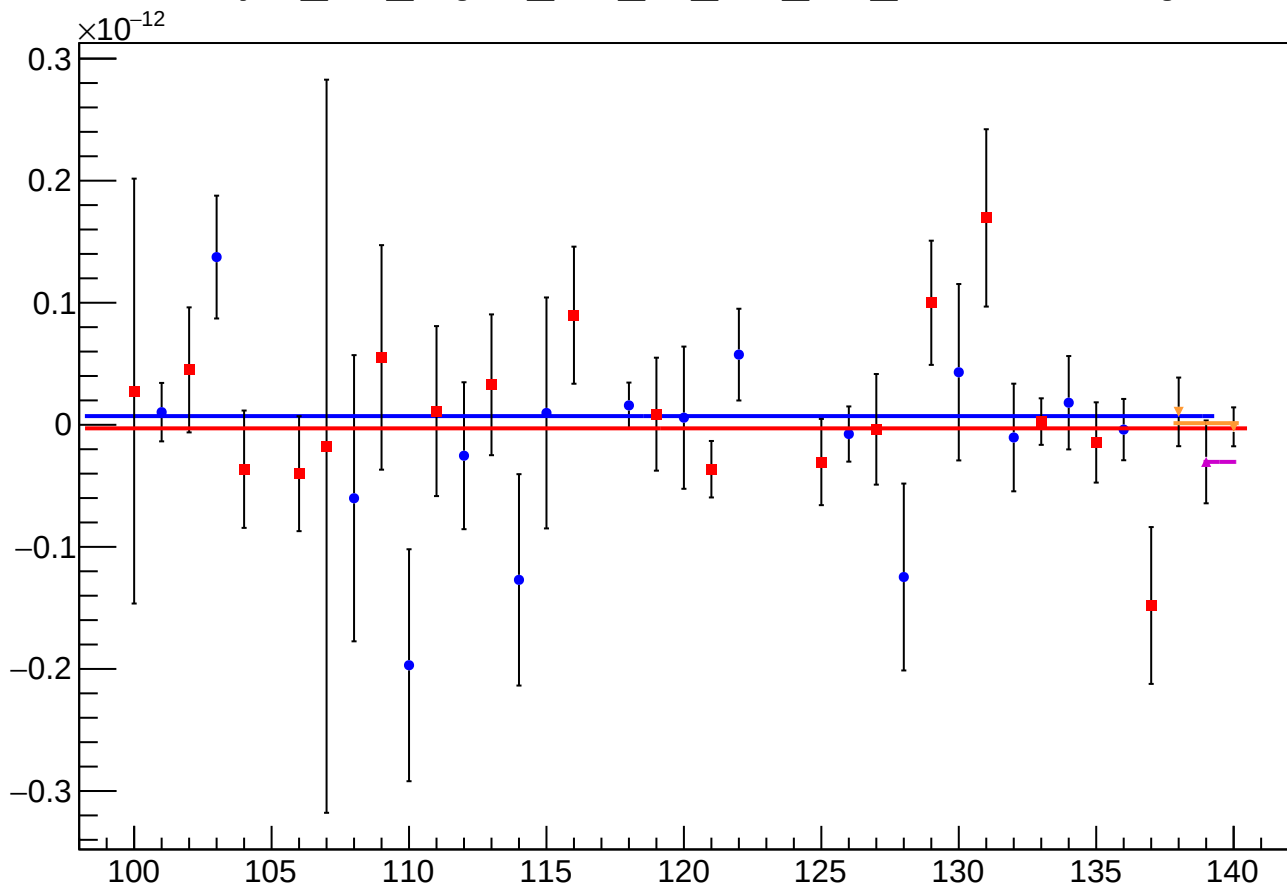
Left In: 69.545 $\pm$ 0.056 χ^2 /NDF: 0.0/0

+ sign 68.386 $\pm$ 0.017 χ^2 /NDF: 910080.3/17

All: 68.416 $\pm$ 0.012 χ^2 /NDF: 1540181.3/36

- sign 68.448 $\pm$ 0.018 χ^2 /NDF: 630094.9/18

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 : 0.1/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.4/17

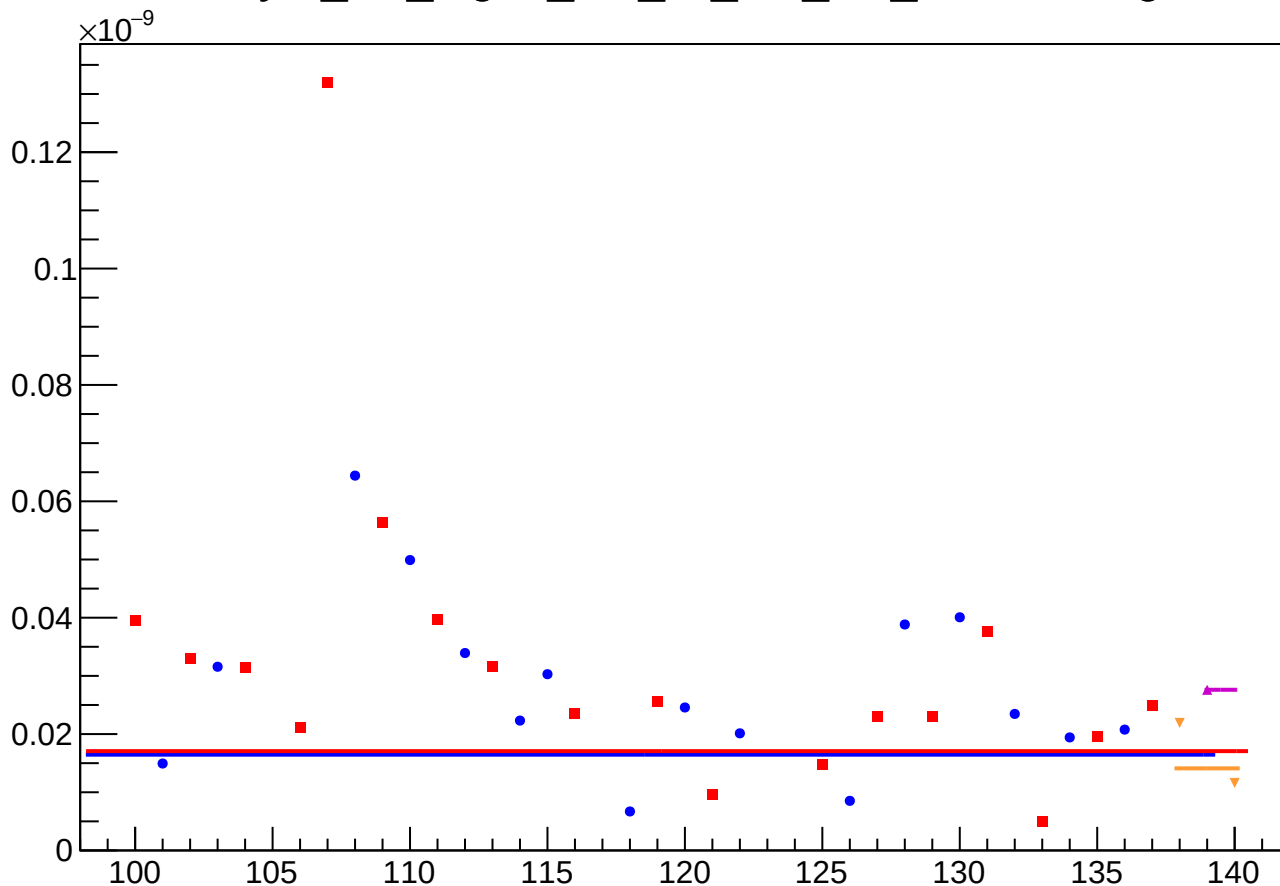
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 20.7/17

All: 0.000 ± 0.000 χ^2/NDF : 45.4/36

- sign -0.000 ± 0.000 χ^2/NDF : 24.0/18

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2345888.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:203843.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2791354.7/17

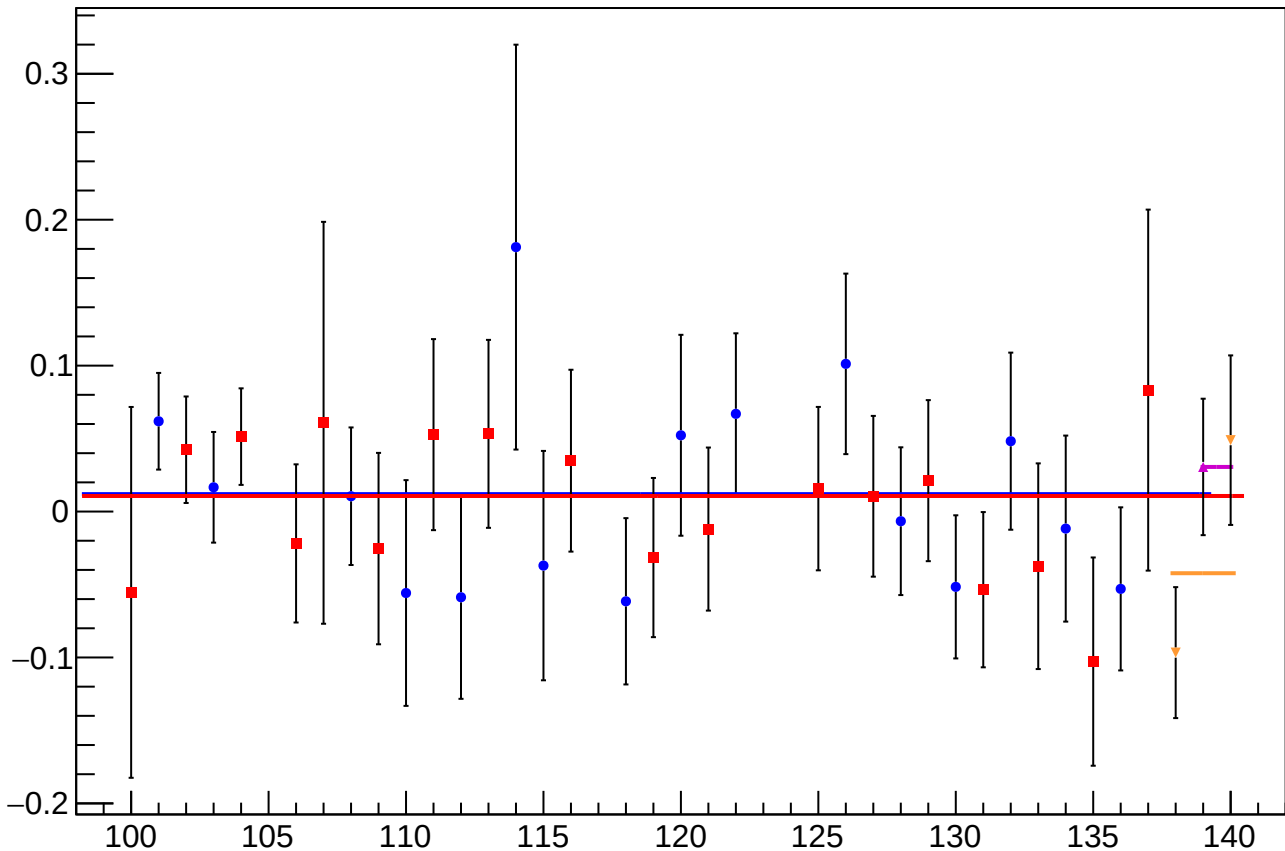
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2589718.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5621348.3/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2969588.9/18

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.014 χ^2 /NDF: 14.7/15

Left Out: -0.042 $\pm$ 0.036 χ^2 /NDF: 3.9/1

Right Out: 0.011 $\pm$ 0.013 χ^2 /NDF: 9.9/17

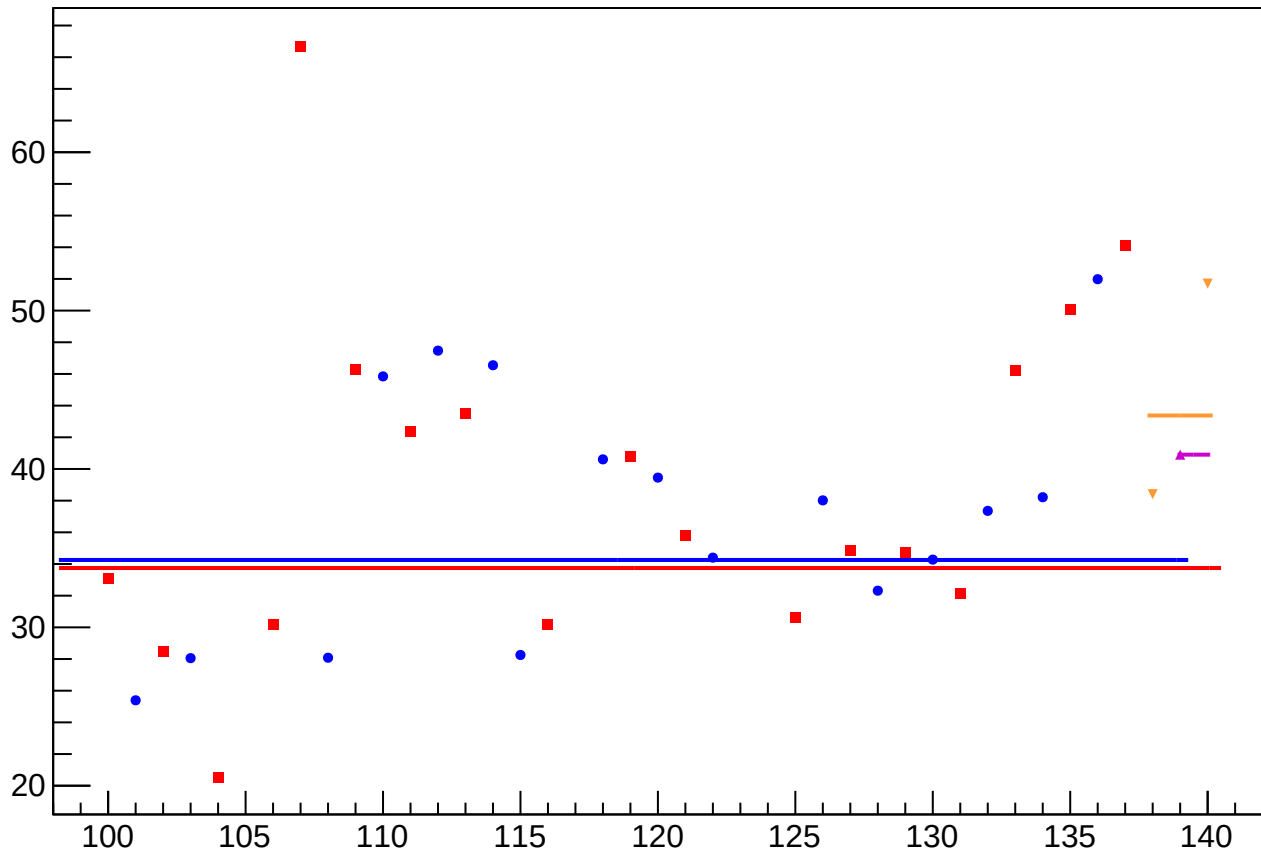
Left In: 0.031 $\pm$ 0.047 χ^2 /NDF: 0.0/0

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 20.7/17

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 30.9/36

- sign 0.012 $\pm$ 0.013 χ^2 /NDF: 10.1/18

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2 /NDF: 636017.1/15

Left Out: 43.376+/-0.025 χ^2 /NDF: 65608.5/1

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

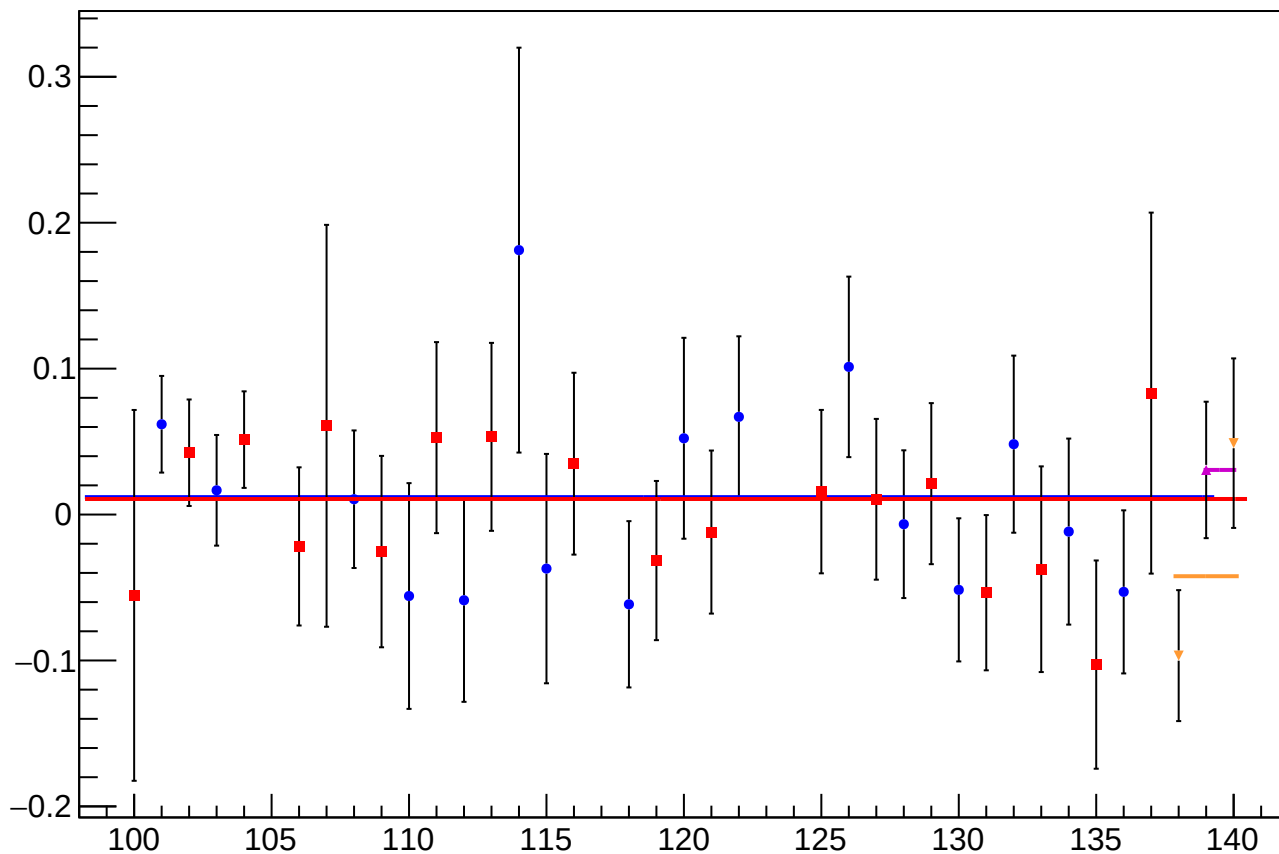
Left In: 40.905+/-0.033 χ^2 /NDF: 0.0/0

+ sign 35.423+/-0.009 χ^2 /NDF: 816675.5/17

All: 34.867+/-0.006 χ^2 /NDF: 1779713.8/36

- sign 34.293+/-0.009 χ^2 /NDF: 955256.8/18

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.014 $\chi^2/\text{NDF}: 14.7/15$

Left Out: -0.042 ± 0.036 $\chi^2/\text{NDF}: 3.9/1$

Right Out: 0.011 ± 0.013 $\chi^2/\text{NDF}: 9.9/17$

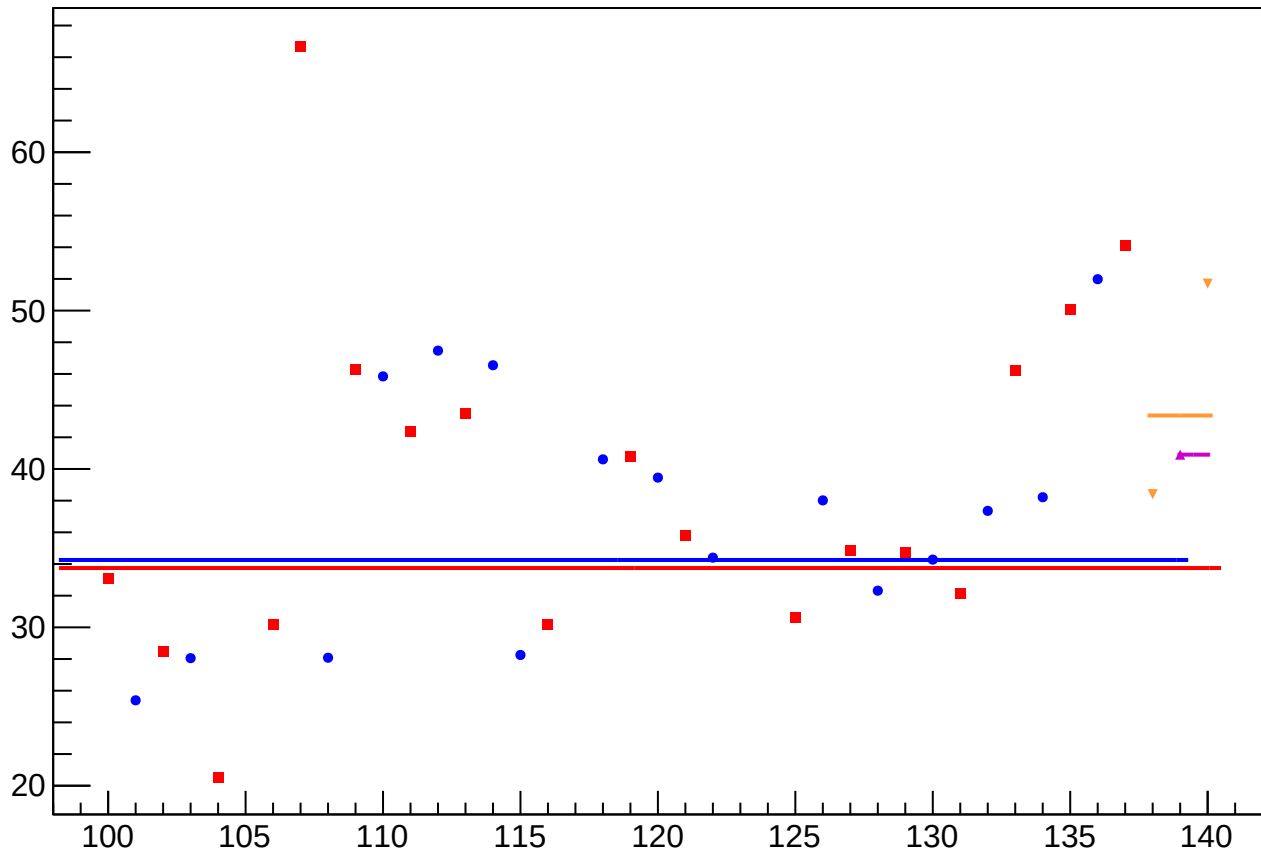
Left In: 0.031 ± 0.047 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.005 ± 0.013 $\chi^2/\text{NDF}: 20.7/17$

All: 0.009 ± 0.009 $\chi^2/\text{NDF}: 30.9/36$

- sign 0.012 ± 0.013 $\chi^2/\text{NDF}: 10.1/18$

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF : 636017.1/15

Left Out: 43.376+/-0.025 χ^2/NDF : 65608.5/1

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

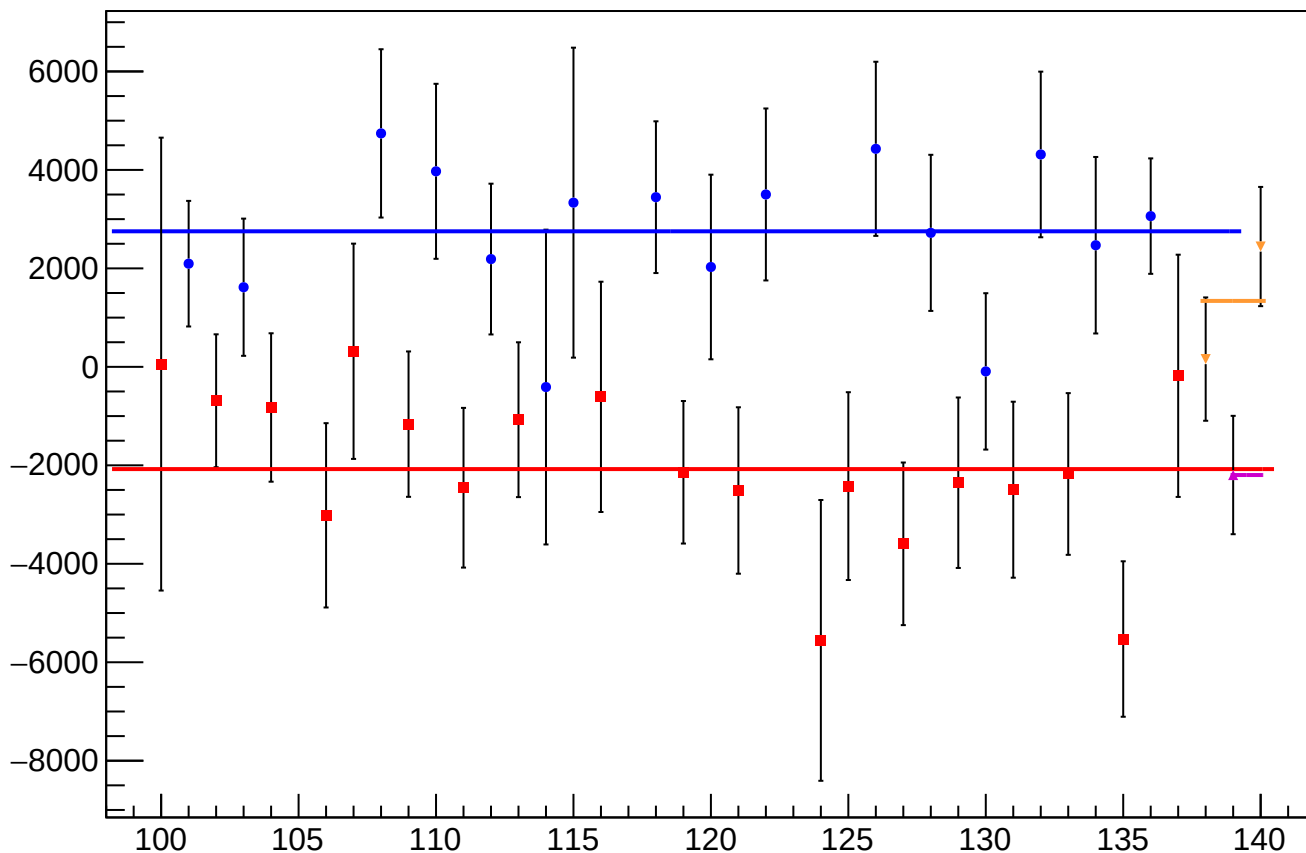
Left In: 40.905+/-0.033 χ^2/NDF : 0.0/0

+ sign 35.423+/-0.009 χ^2/NDF : 816675.5/17

All: 34.867+/-0.006 χ^2/NDF : 1779713.8/36

- sign 34.293+/-0.009 χ^2/NDF : 955256.8/18

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF : 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF : 1.7/1

Right Out: -2076.471+/-403.796 χ^2/NDF : 12.5/18

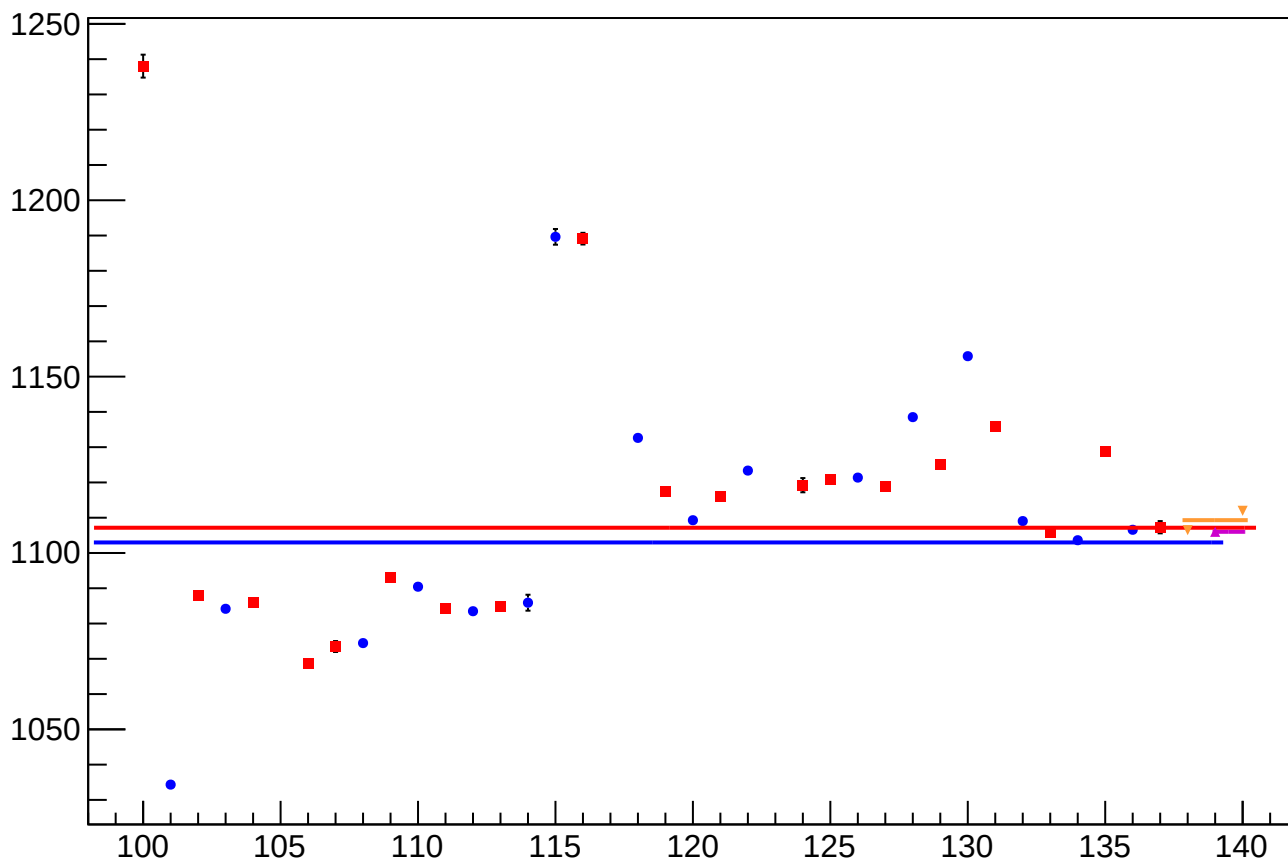
Left In: -2197.094+/-1202.107 χ^2/NDF : 0.0/0

+ sign 2496.626+/-370.802 χ^2/NDF : 13.4/17

All: 276.811+/-266.330 χ^2/NDF : 100.0/37

- sign -2088.702+/-382.778 χ^2/NDF : 12.5/19

reg_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1109.308 $\pm$ 0.616 χ^2 /NDF:19.9/1

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

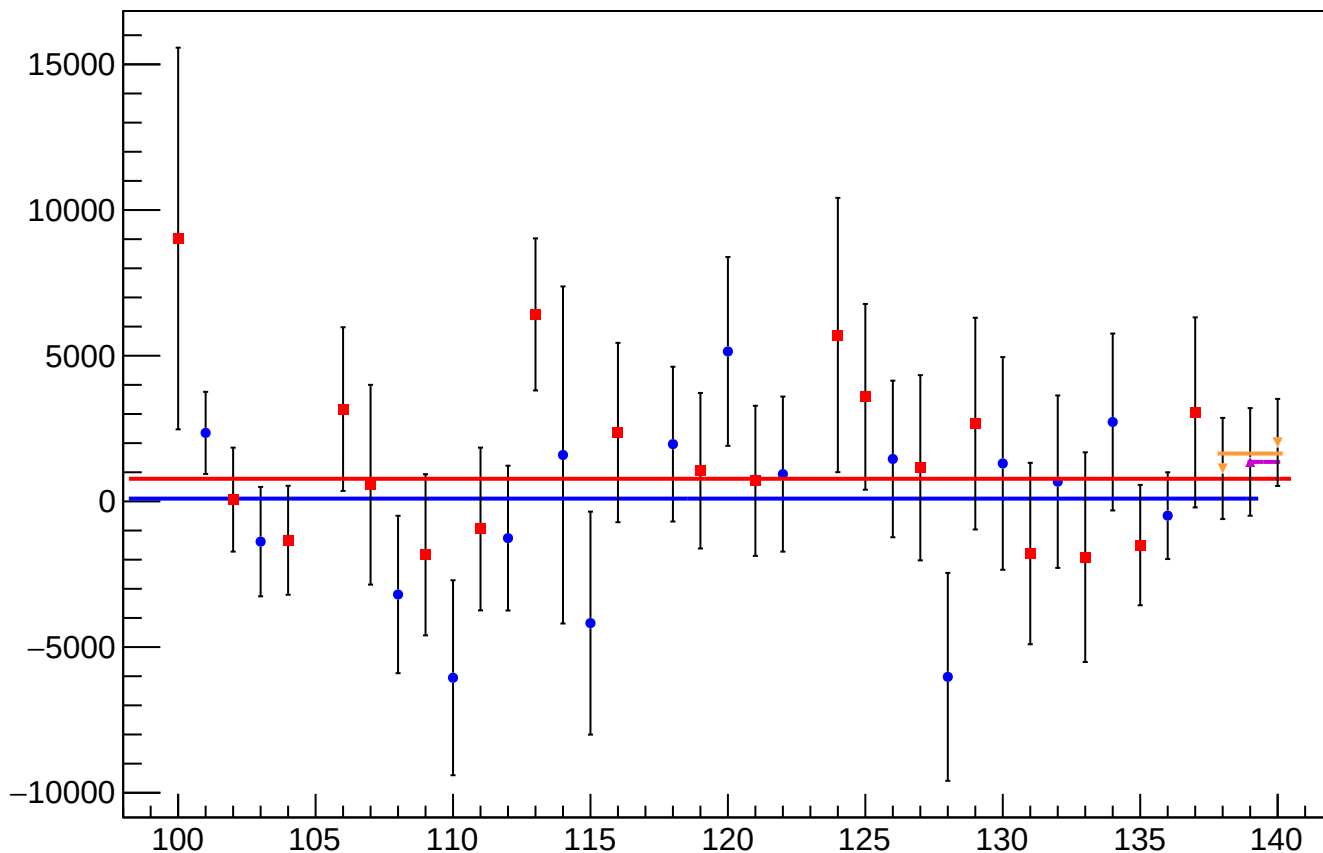
Left In: 1106.006 $\pm$ 0.850 χ^2 /NDF:0.0/0

+ sign 1104.134 $\pm$ 0.262 χ^2 /NDF: 13329.9/17

All: 1105.542 $\pm$ 0.188 χ^2 /NDF: 22074.5/37

- sign 1107.042 $\pm$ 0.271 χ^2 /NDF: 8685.0/19

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF : 0.2/1

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

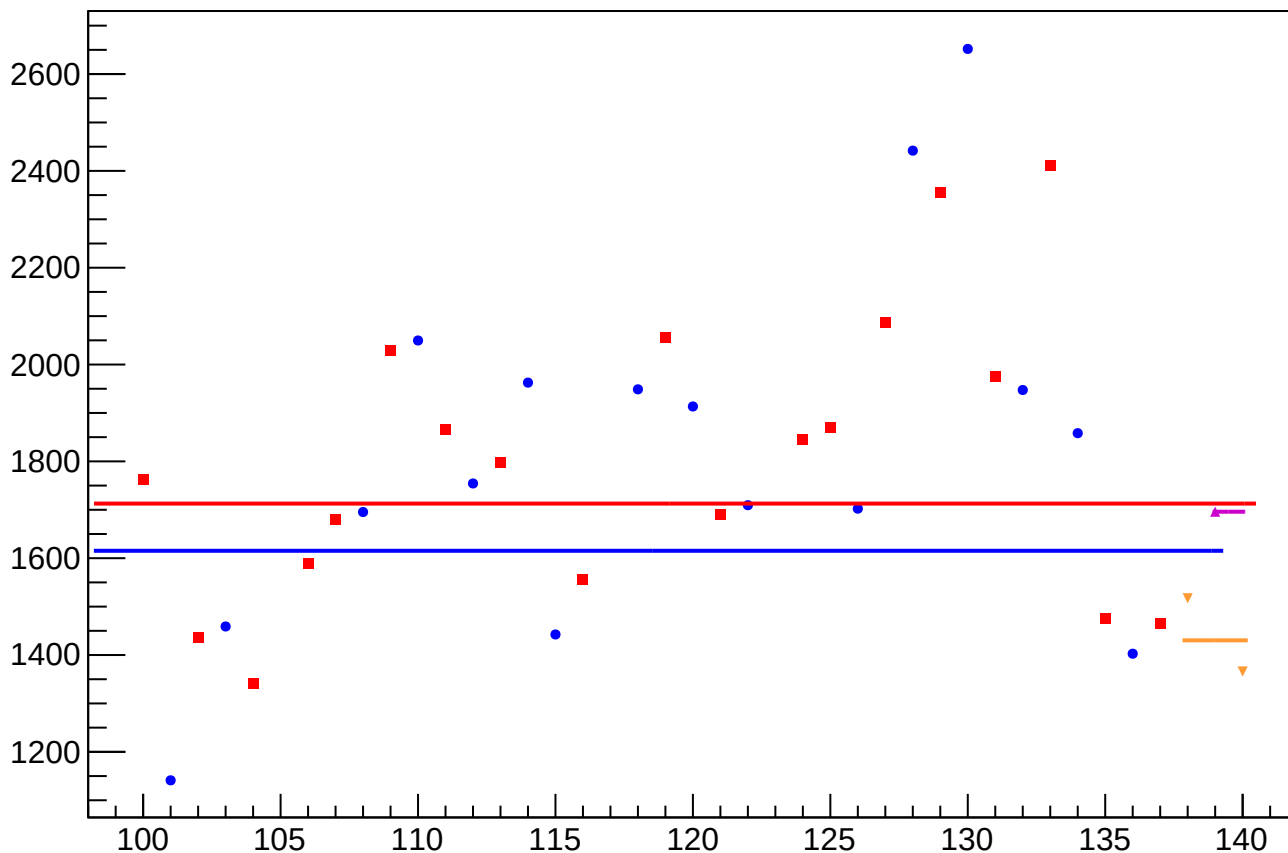
Left In: 1355.202+/-1847.237 χ^2/NDF : 0.0/0

+ sign 451.003+/-542.571 χ^2/NDF : 18.5/17

All: 624.604+/-403.085 χ^2/NDF : 33.9/37

- sign 838.440+/-602.172 χ^2/NDF : 15.2/19

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF : 8719.9/1

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

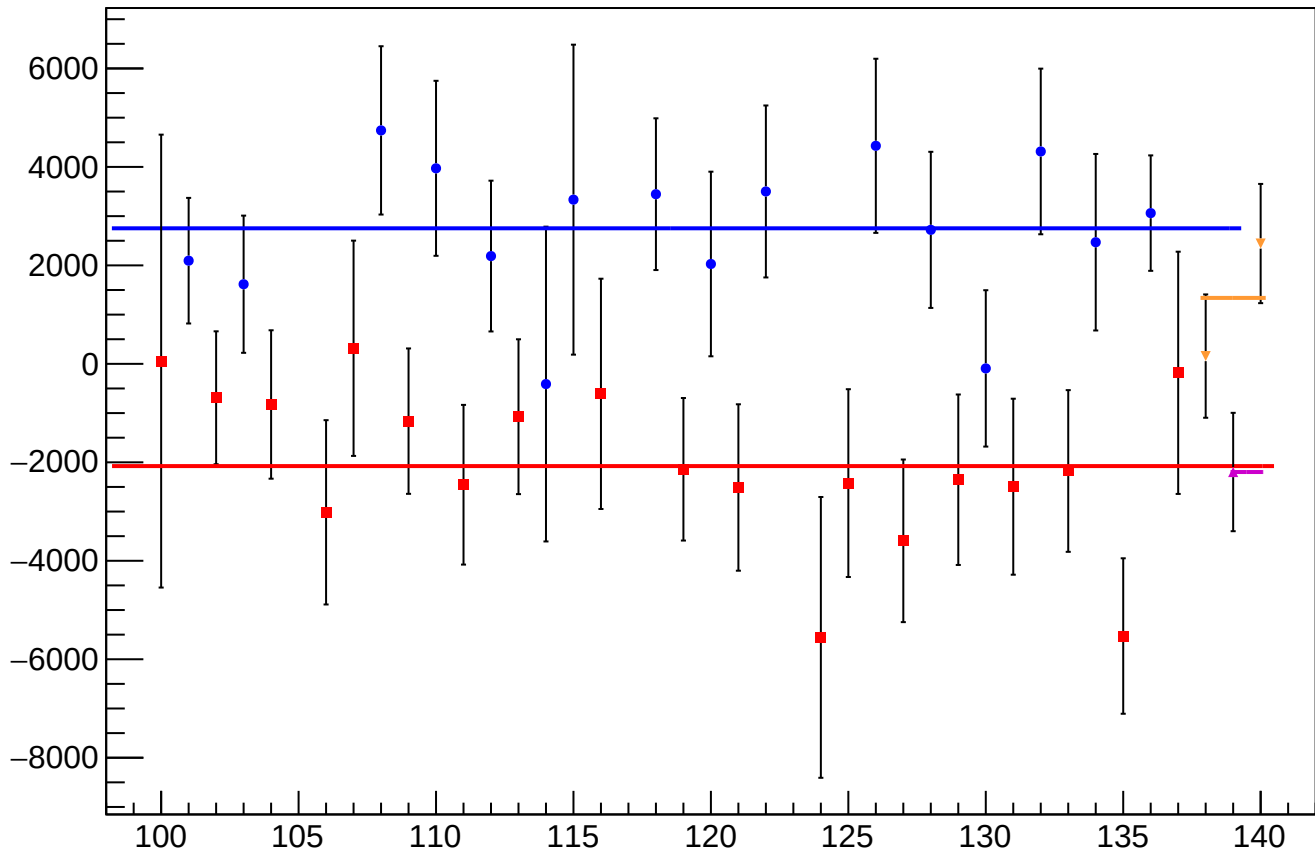
Left In: 1696.004+/-1.306 χ^2/NDF : 0.0/0

+ sign 1572.867+/-0.384 χ^2/NDF : 743461.2/17

All: 1634.767+/-0.285 χ^2/NDF : 1229770.1/37

- sign 1711.014+/-0.426 χ^2/NDF : 428212.7/19

cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1339.291 $\pm$ 870.562 χ^2 /NDF: 1.7/1

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

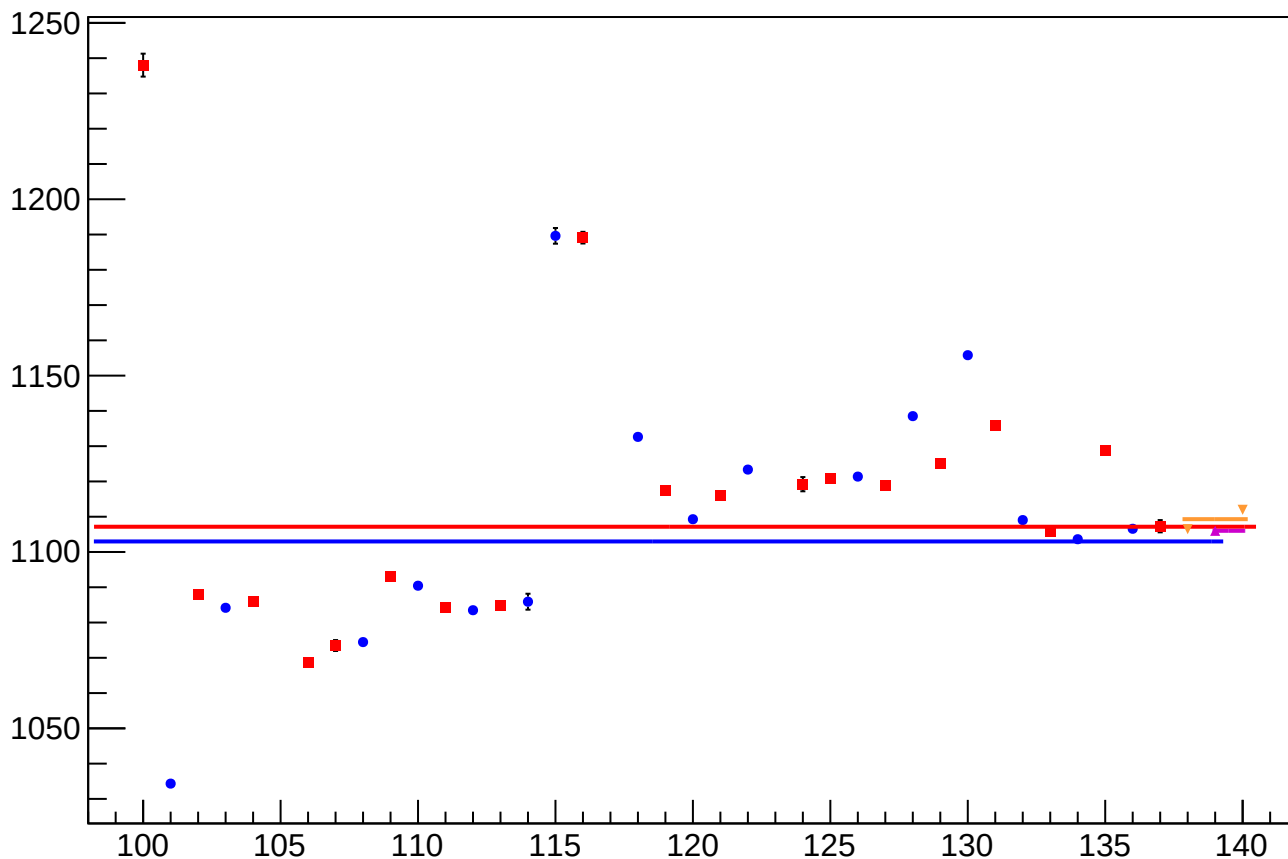
Left In: -2197.094 $\pm$ 1202.107 χ^2 /NDF: 0.0/0

+ sign 2496.626 $\pm$ 370.802 χ^2 /NDF: 13.4/17

All: 276.811 $\pm$ 266.330 χ^2 /NDF: 100.0/37

- sign -2088.702 $\pm$ 382.778 χ^2 /NDF: 12.5/19

cor_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1109.308 $\pm$ 0.616 χ^2 /NDF:19.9/1

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

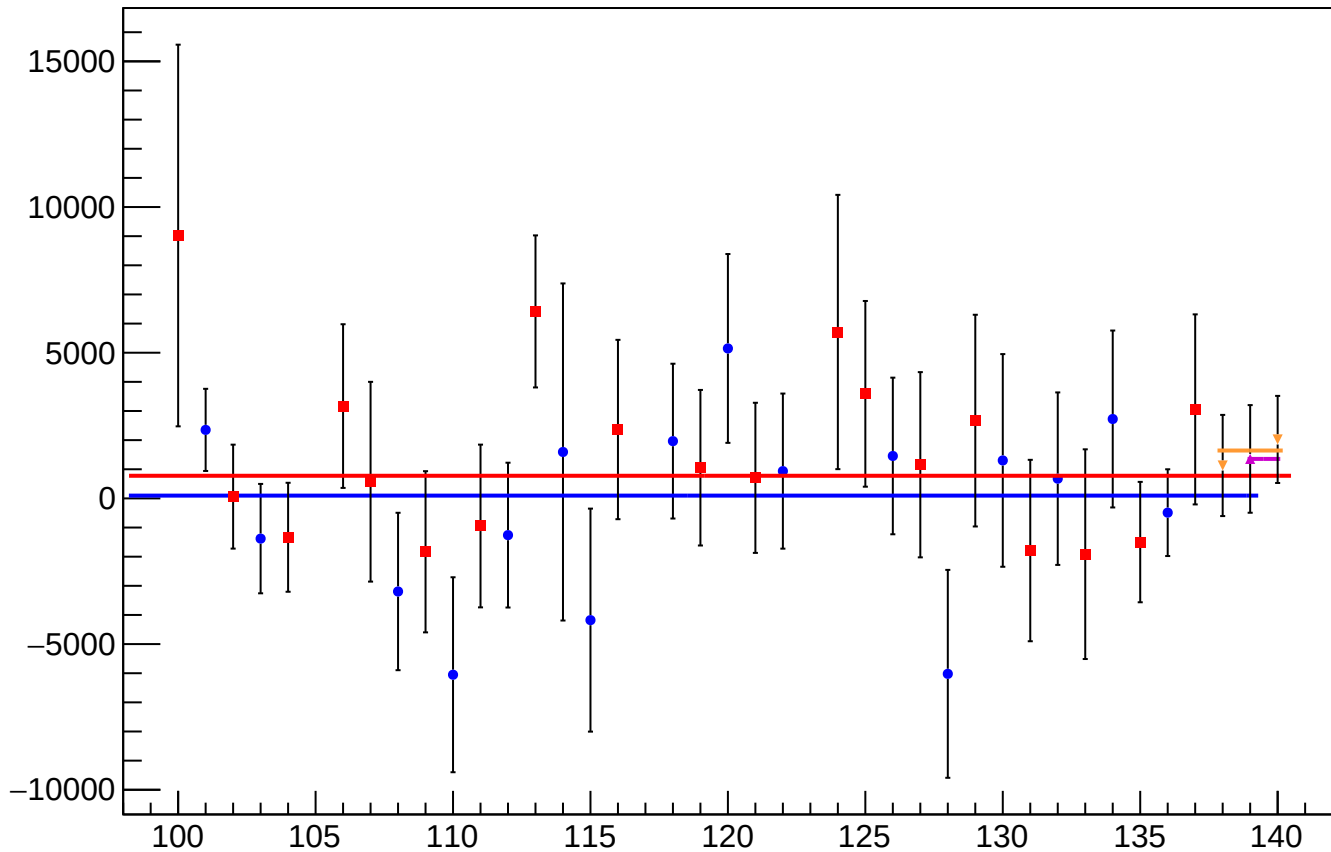
Left In: 1106.006 $\pm$ 0.850 χ^2 /NDF:0.0/0

+ sign 1104.134 $\pm$ 0.262 χ^2 /NDF: 13329.9/17

All: 1105.542 $\pm$ 0.188 χ^2 /NDF: 22074.5/37

- sign 1107.042 $\pm$ 0.271 χ^2 /NDF: 8685.0/19

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF : 0.2/1

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

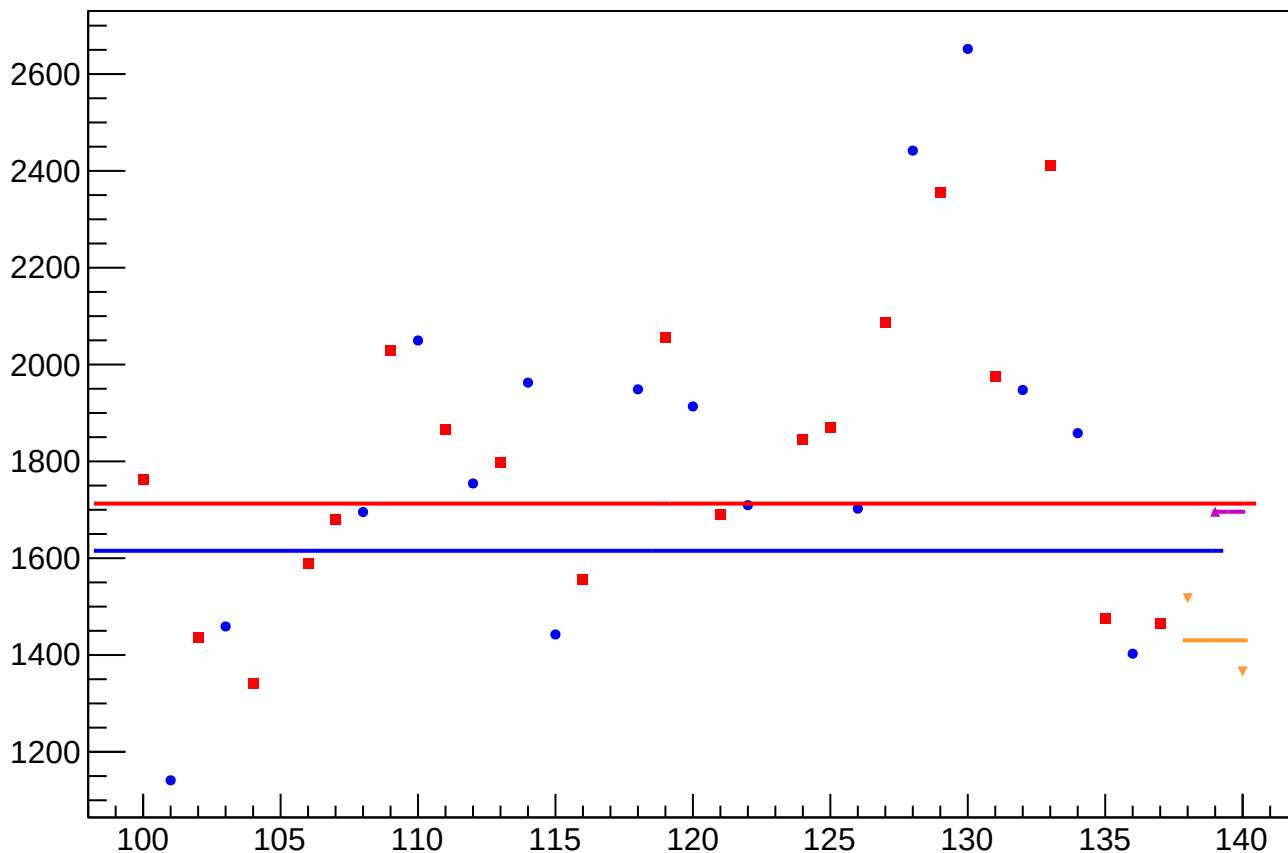
Left In: 1355.202+/-1847.237 χ^2/NDF : 0.0/0

+ sign 451.003+/-542.571 χ^2/NDF : 18.5/17

All: 624.604+/-403.085 χ^2/NDF : 33.9/37

- sign 838.440+/-602.172 χ^2/NDF : 15.2/19

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF : 8719.9/1

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

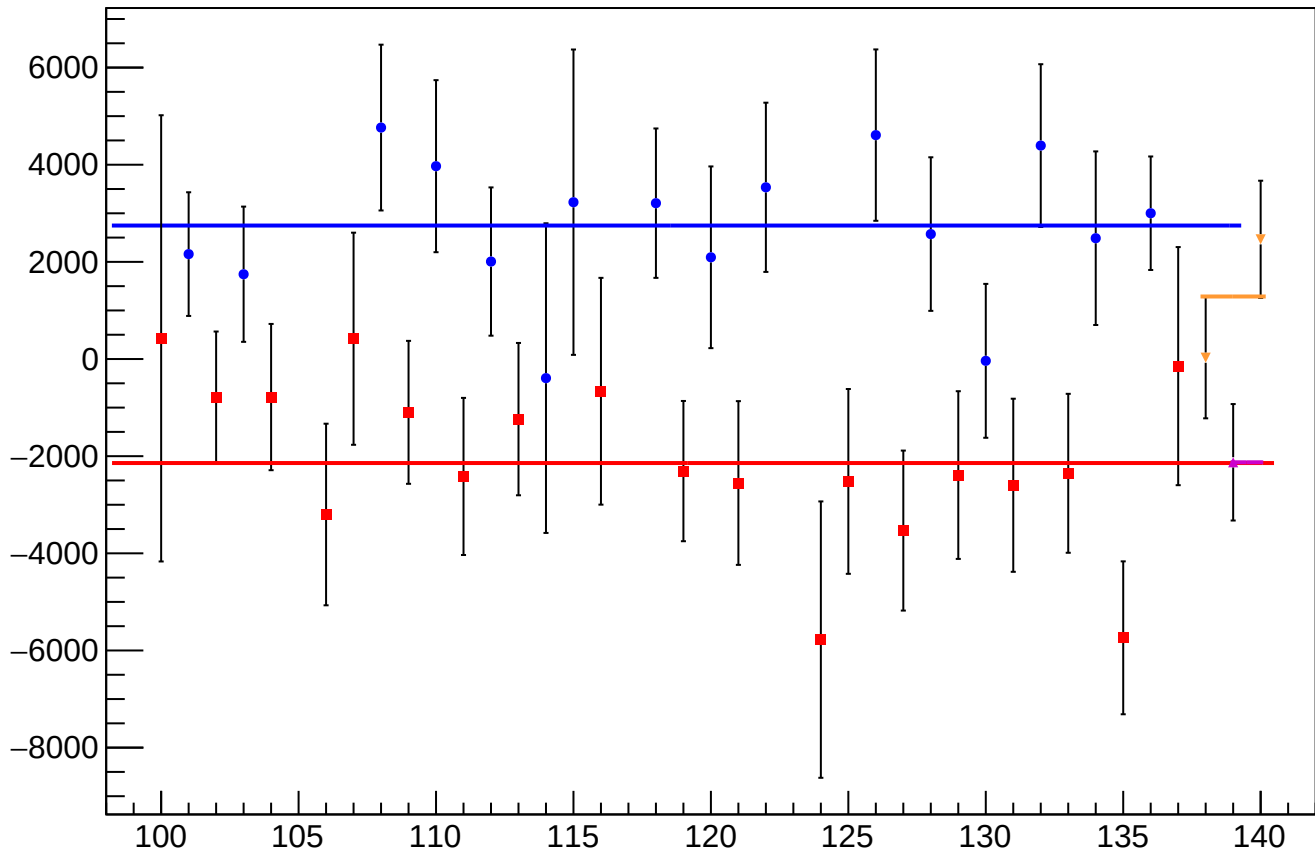
Left In: 1696.004+/-1.306 χ^2/NDF : 0.0/0

+ sign 1572.867+/-0.384 χ^2/NDF : 743461.2/17

All: 1634.767+/-0.285 χ^2/NDF : 1229770.1/37

- sign 1711.014+/-0.426 χ^2/NDF : 428212.7/19

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939 $\pm$ 408.759 χ^2 /NDF: 9.5/15

Left Out: 1287.243 $\pm$ 867.570 χ^2 /NDF: 2.0/1

Right Out: -2141.169 $\pm$ 402.789 χ^2 /NDF: 13.6/18

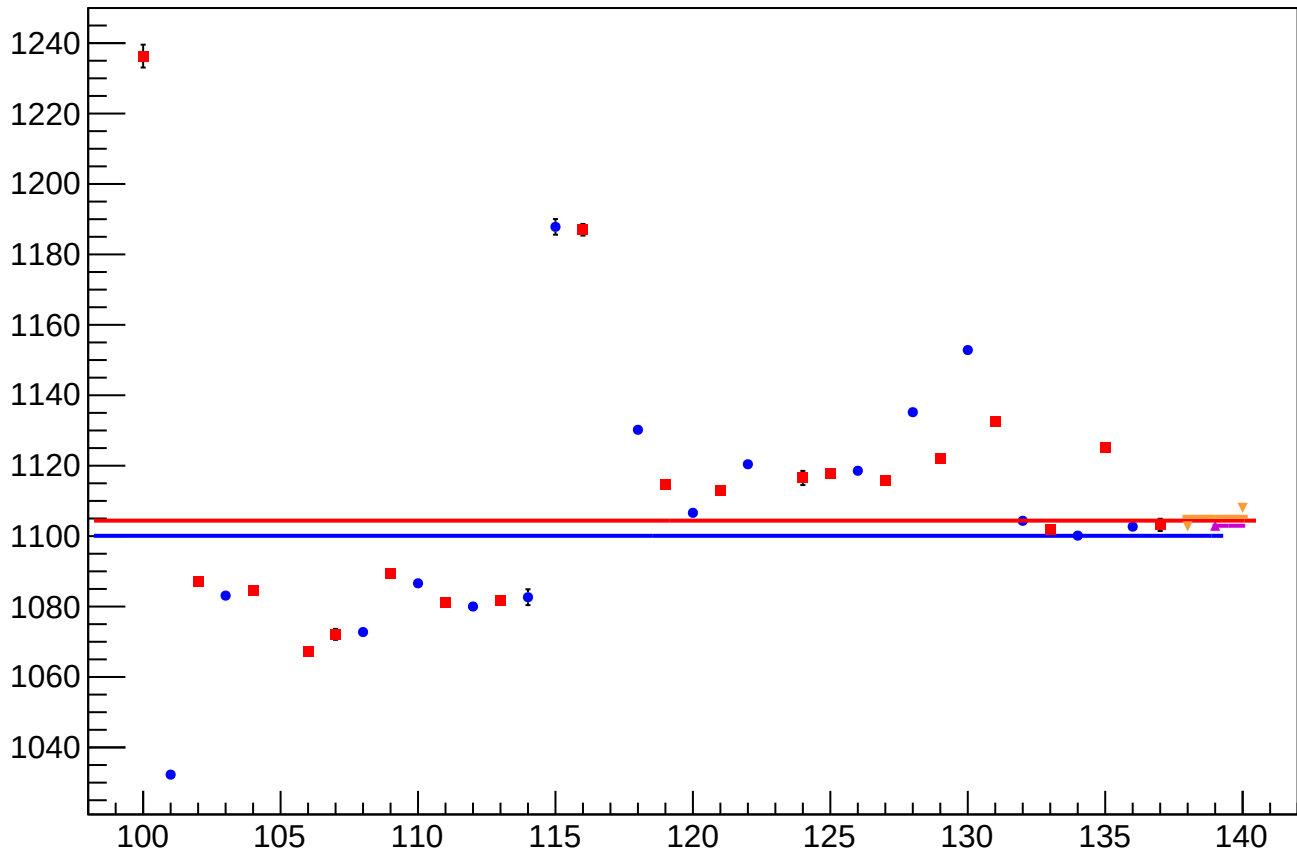
Left In: -2125.853 $\pm$ 1198.784 χ^2 /NDF: 0.0/0

+ sign 2482.589 $\pm$ 369.772 χ^2 /NDF: 13.8/17

All: 245.513 $\pm$ 265.623 χ^2 /NDF: 103.0/37

- sign -2139.615 $\pm$ 381.813 χ^2 /NDF: 13.6/19

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090 $\pm$ 0.289 χ^2 /NDF: 13077.1/15

Left Out: 1105.498 $\pm$ 0.613 χ^2 /NDF:18.4/1

Right Out: 1104.403 $\pm$ 0.285 χ^2 /NDF: 8543.5/18

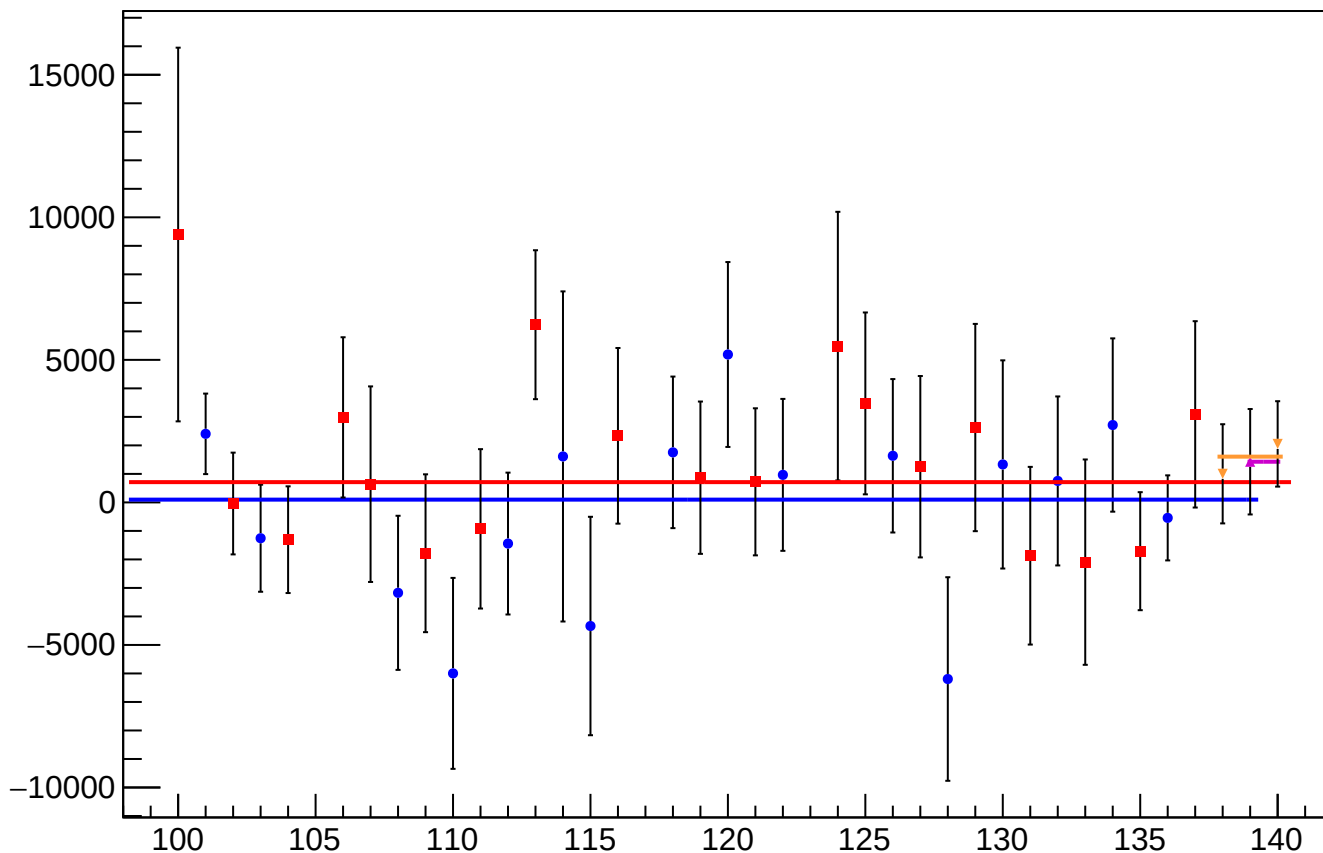
Left In: 1102.947 $\pm$ 0.848 χ^2 /NDF:0.0/0

+ sign 1101.073 $\pm$ 0.261 χ^2 /NDF: 13159.1/17

All: 1102.613 $\pm$ 0.188 χ^2 /NDF: 21777.0/37

- sign 1104.255 $\pm$ 0.270 χ^2 /NDF: 8546.2/19

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF : 17.2/15

Left Out: 1605.348+/-1135.059 χ^2/NDF : 0.2/1

Right Out: 711.287+/-637.587 χ^2/NDF : 14.9/18

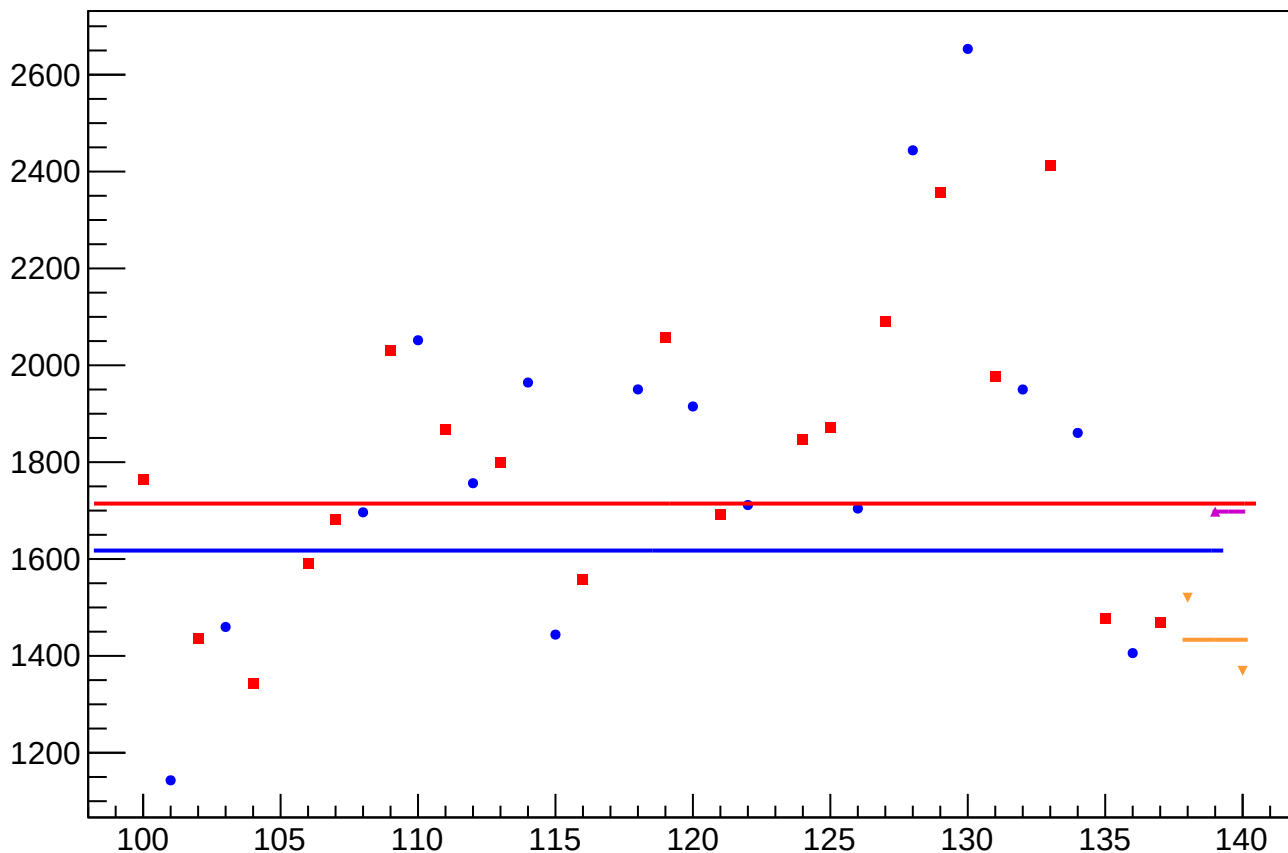
Left In: 1426.706+/-1849.337 χ^2/NDF : 0.0/0

+ sign 442.986+/-543.358 χ^2/NDF : 18.8/17

All: 597.338+/-403.587 χ^2/NDF : 34.0/37

- sign 787.290+/-602.769 χ^2/NDF : 15.1/19

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF : 691725.3/15

Left Out: 1433.360+/-0.803 χ^2/NDF : 8651.0/1

Right Out: 1714.508+/-0.451 χ^2/NDF : 427709.9/18

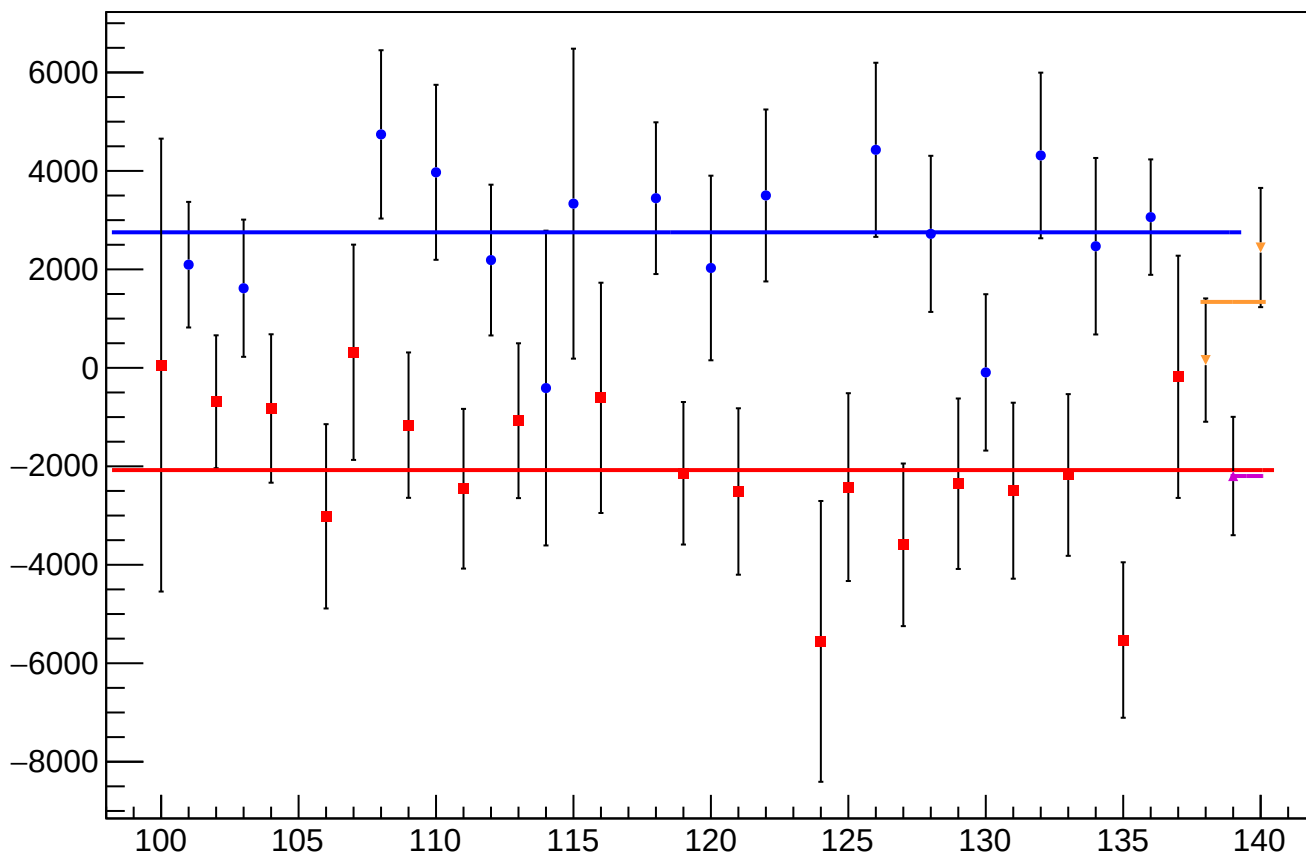
Left In: 1697.927+/-1.308 χ^2/NDF : 0.0/0

+ sign 1575.296+/-0.384 χ^2/NDF : 740947.1/17

All: 1636.915+/-0.285 χ^2/NDF : 1226175.4/37

- sign 1712.746+/-0.426 χ^2/NDF : 427853.6/19

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1339.291 $\pm$ 870.562 χ^2 /NDF: 1.7/1

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

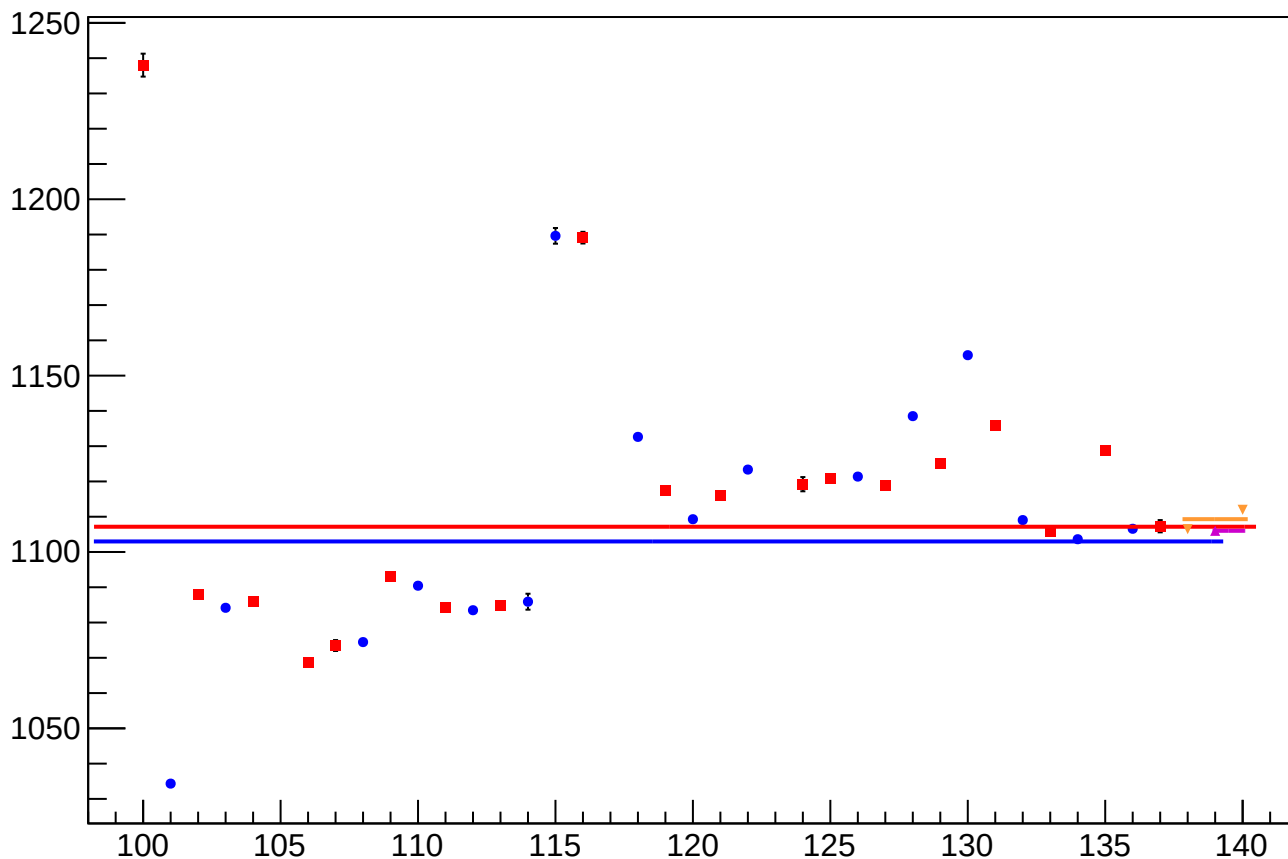
Left In: -2197.094 $\pm$ 1202.107 χ^2 /NDF: 0.0/0

+ sign 2496.626 $\pm$ 370.802 χ^2 /NDF: 13.4/17

All: 276.811 $\pm$ 266.330 χ^2 /NDF: 100.0/37

- sign -2088.702 $\pm$ 382.778 χ^2 /NDF: 12.5/19

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1109.308 $\pm$ 0.616 χ^2 /NDF:19.9/1

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

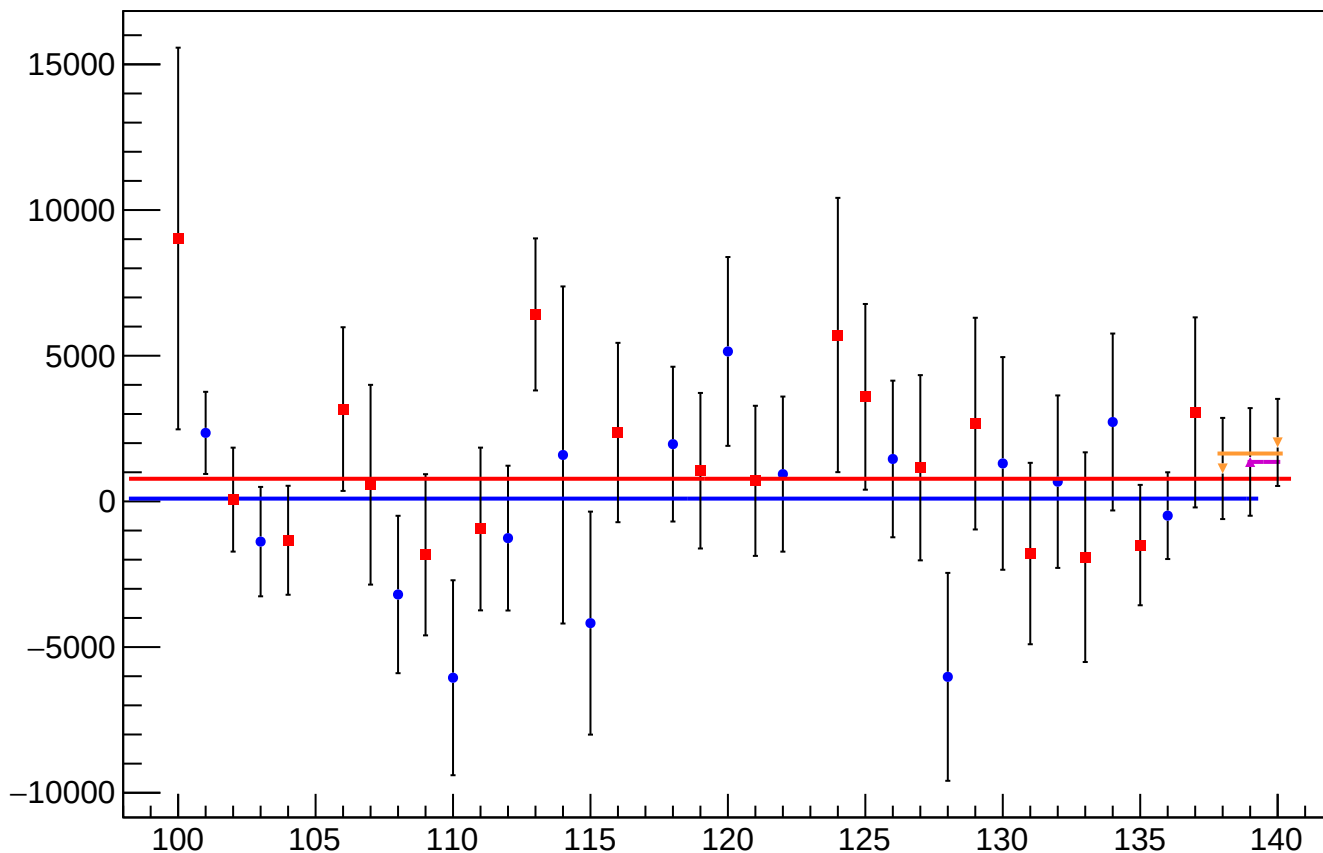
Left In: 1106.006 $\pm$ 0.850 χ^2 /NDF:0.0/0

+ sign 1104.134 $\pm$ 0.262 χ^2 /NDF: 13329.9/17

All: 1105.542 $\pm$ 0.188 χ^2 /NDF: 22074.5/37

- sign 1107.042 $\pm$ 0.271 χ^2 /NDF: 8685.0/19

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF : 0.2/1

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

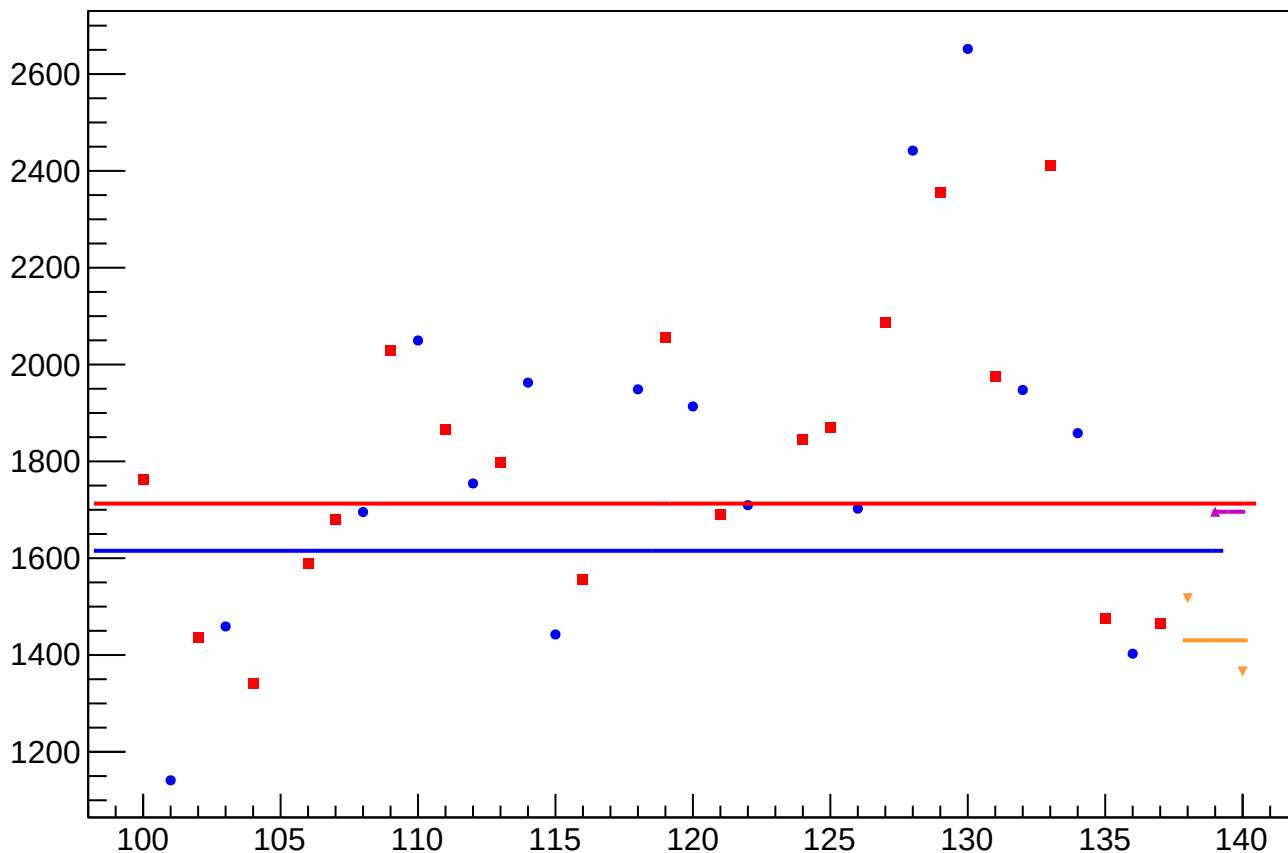
Left In: 1355.202+/-1847.237 χ^2/NDF : 0.0/0

+ sign 451.003+/-542.571 χ^2/NDF : 18.5/17

All: 624.604+/-403.085 χ^2/NDF : 33.9/37

- sign 838.440+/-602.172 χ^2/NDF : 15.2/19

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF : 8719.9/1

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

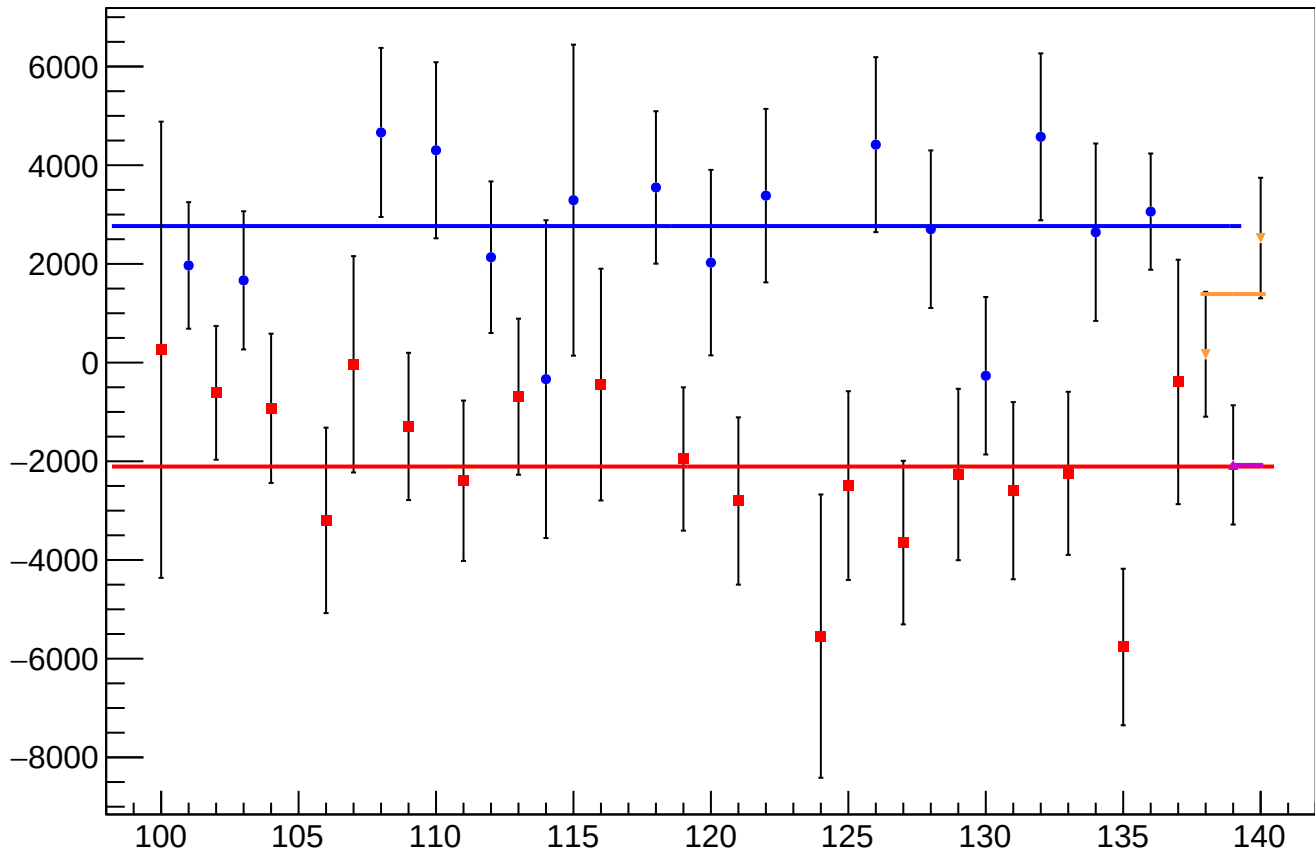
Left In: 1696.004+/-1.306 χ^2/NDF : 0.0/0

+ sign 1572.867+/-0.384 χ^2/NDF : 743461.2/17

All: 1634.767+/-0.285 χ^2/NDF : 1229770.1/37

- sign 1711.014+/-0.426 χ^2/NDF : 428212.7/19

dit_asym_usr_mean vs Slug



Right In: 2766.657 $\pm$ 411.563 χ^2 /NDF: 10.3/15

Left Out: 1388.730 $\pm$ 878.593 χ^2 /NDF: 1.8/1

Right Out: -2106.358 $\pm$ 405.586 χ^2 /NDF: 13.4/18

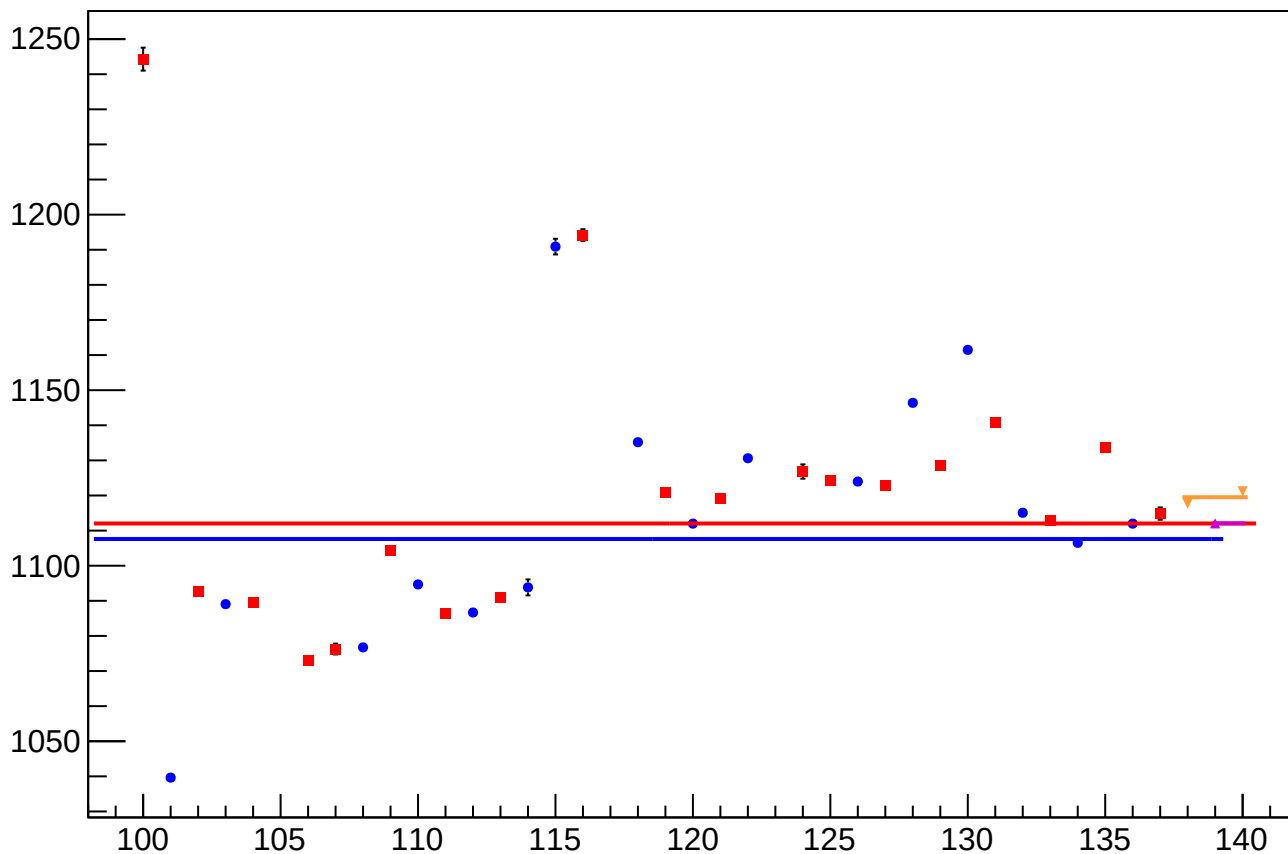
Left In: -2073.452 $\pm$ 1208.801 χ^2 /NDF: 0.0/0

+ sign 2518.706 $\pm$ 372.699 χ^2 /NDF: 14.1/17

All: 279.967 $\pm$ 267.619 χ^2 /NDF: 102.0/37

- sign -2103.028 $\pm$ 384.519 χ^2 /NDF: 13.4/19

dit_asym_usr_rms vs Slug



Right In: 1107.613 $\pm$ 0.291 χ^2 /NDF: 13220.8/15

Left Out: 1119.510 $\pm$ 0.621 χ^2 /NDF: 7.8/1

Right Out: 1112.029 $\pm$ 0.287 χ^2 /NDF: 8653.5/18

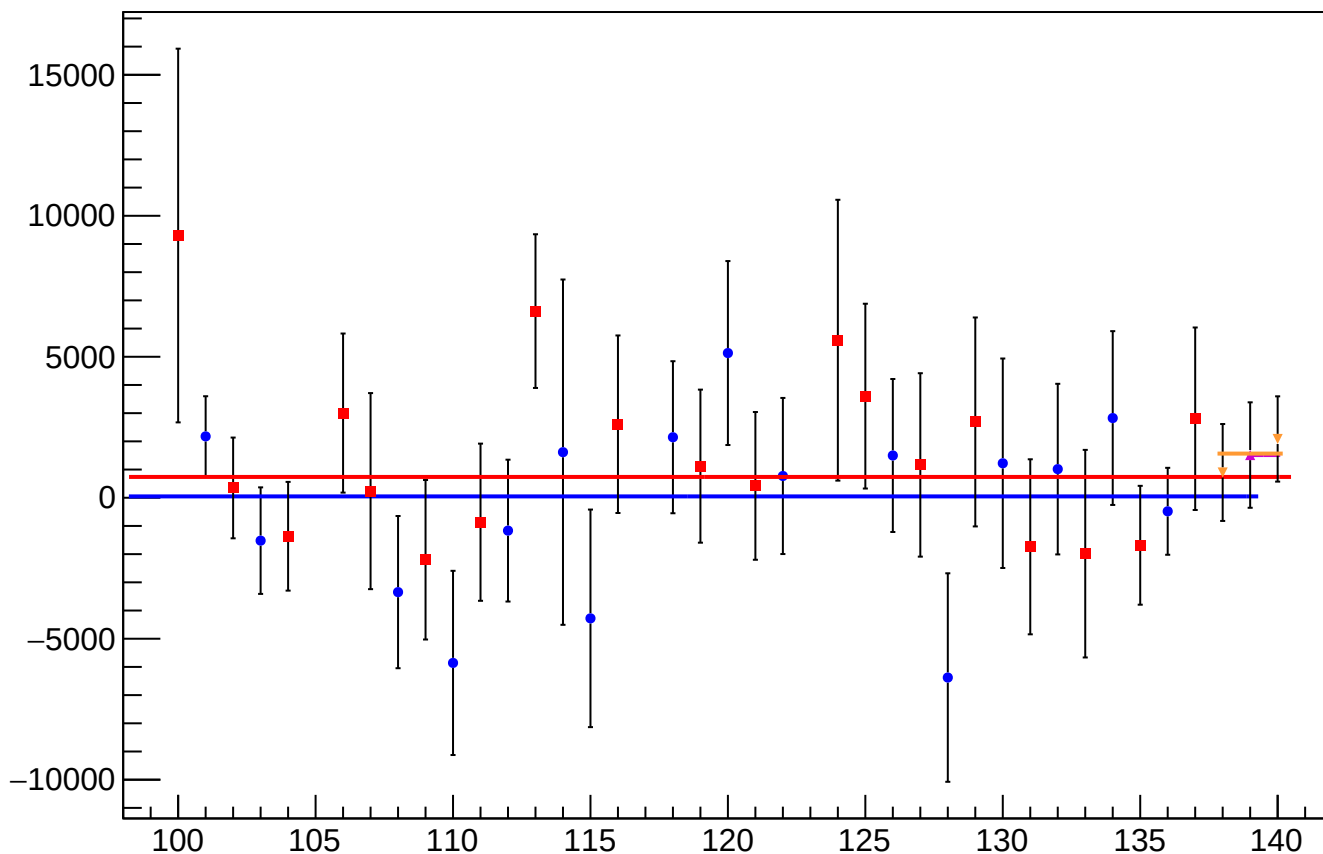
Left In: 1112.066 $\pm$ 0.855 χ^2 /NDF: 0.0/0

+ sign 1109.754 $\pm$ 0.264 χ^2 /NDF: 13529.3/17

All: 1110.858 $\pm$ 0.189 χ^2 /NDF: 22219.0/37

- sign 1112.033 $\pm$ 0.272 χ^2 /NDF: 8653.5/19

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF : 16.9/15

Left Out: 1566.021+/-1135.387 χ^2/NDF : 0.3/1

Right Out: 738.185+/-647.795 χ^2/NDF : 14.9/18

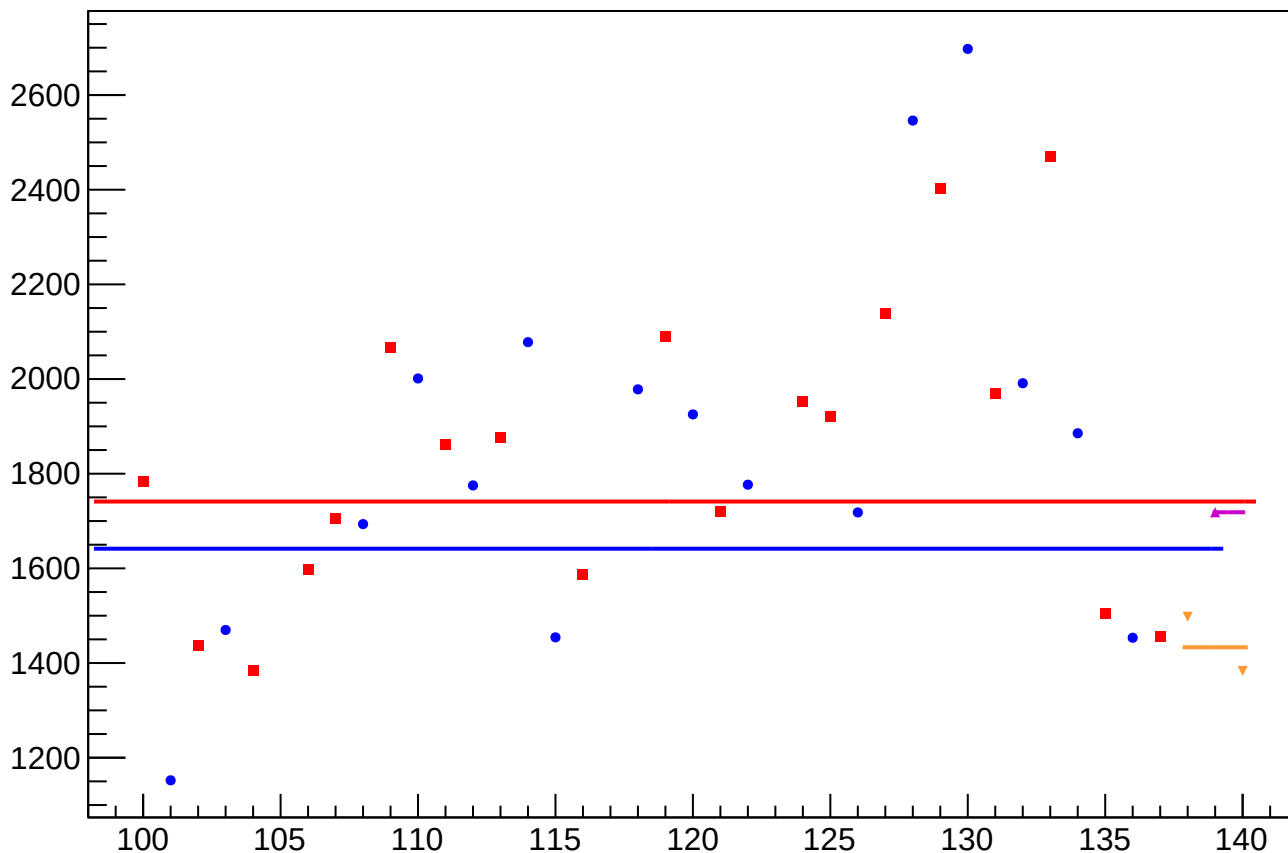
Left In: 1514.303+/-1869.941 χ^2/NDF : 0.0/0

+ sign 403.534+/-549.580 χ^2/NDF : 18.5/17

All: 590.017+/-408.936 χ^2/NDF : 33.9/37

- sign 821.347+/-612.106 χ^2/NDF : 15.1/19

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF : 701311.4/15

Left Out: 1433.238+/-0.803 χ^2/NDF : 5000.0/1

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

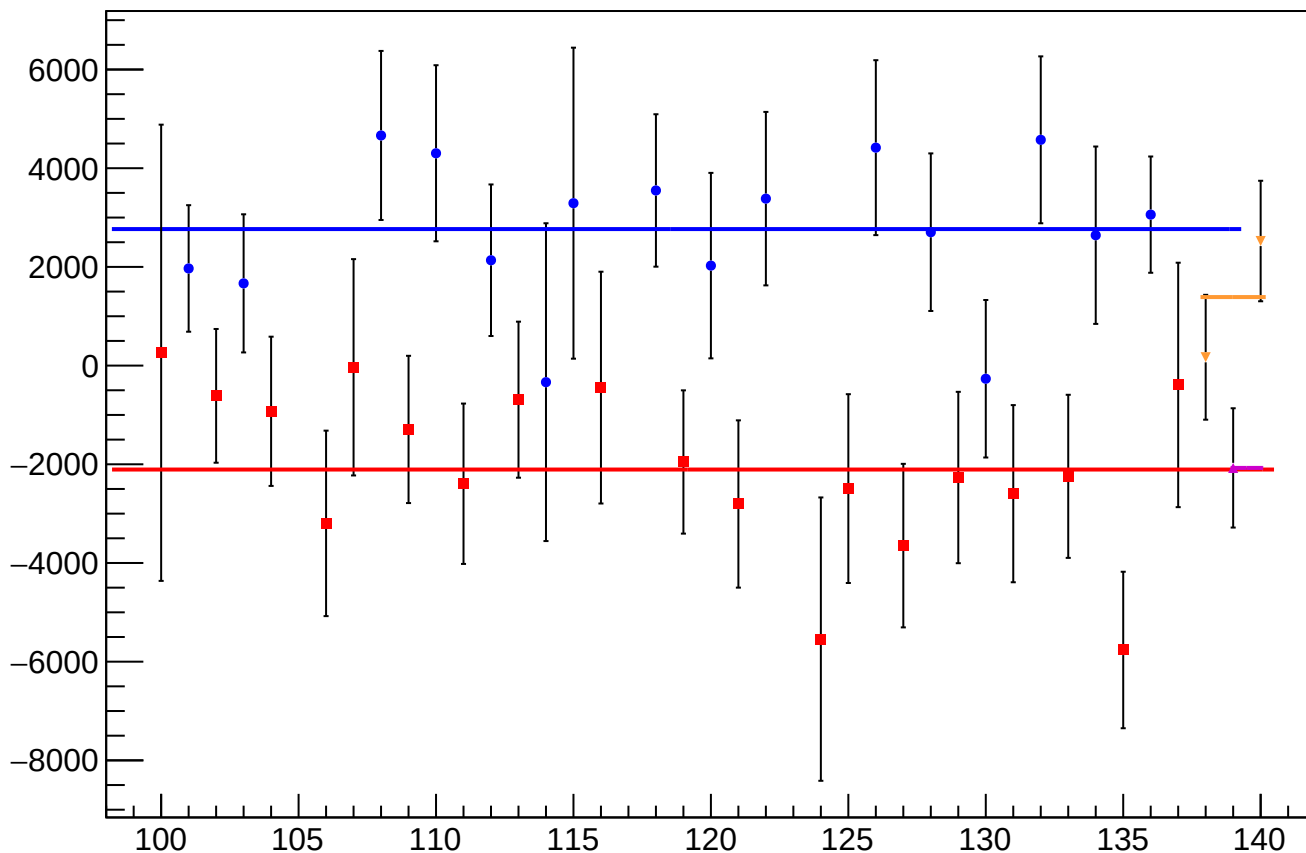
Left In: 1718.541+/-1.322 χ^2/NDF : 0.0/0

+ sign 1592.733+/-0.389 χ^2/NDF : 757855.2/17

All: 1657.915+/-0.289 χ^2/NDF : 1259486.4/37

- sign 1738.772+/-0.433 χ^2/NDF : 438598.8/19

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656 $\pm$ 411.563 χ^2 /NDF: 10.3/15

Left Out: 1388.732 $\pm$ 878.593 χ^2 /NDF: 1.8/1

Right Out: -2106.360 $\pm$ 405.586 χ^2 /NDF: 13.4/18

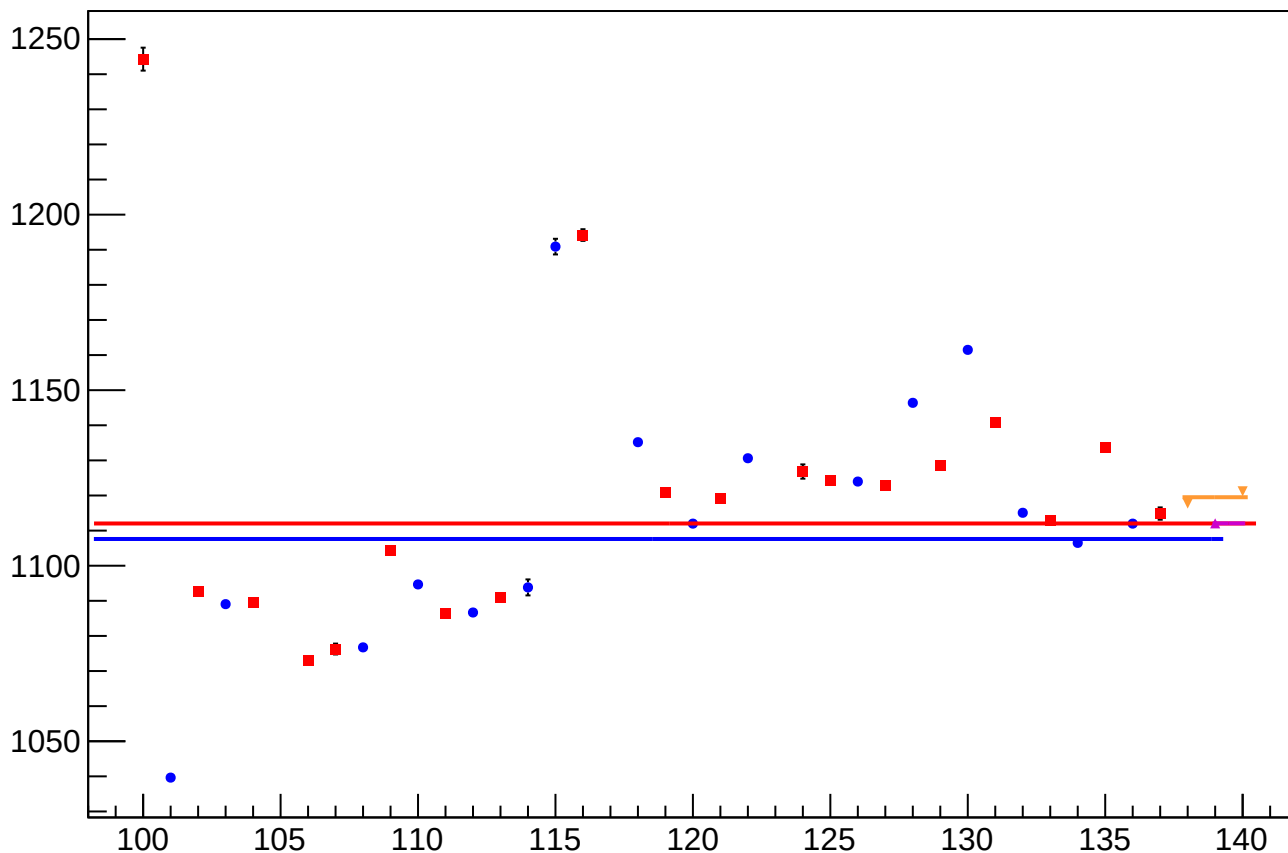
Left In: -2073.444 $\pm$ 1208.801 χ^2 /NDF: 0.0/0

+ sign 2518.705 $\pm$ 372.699 χ^2 /NDF: 14.1/17

All: 279.966 $\pm$ 267.619 χ^2 /NDF: 102.0/37

- sign -2103.029 $\pm$ 384.519 χ^2 /NDF: 13.4/19

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613 $\pm$ 0.291 χ^2 /NDF: 13220.7/15

Left Out: 1119.510 $\pm$ 0.621 χ^2 /NDF: 7.8/1

Right Out: 1112.029 $\pm$ 0.287 χ^2 /NDF: 8653.5/18

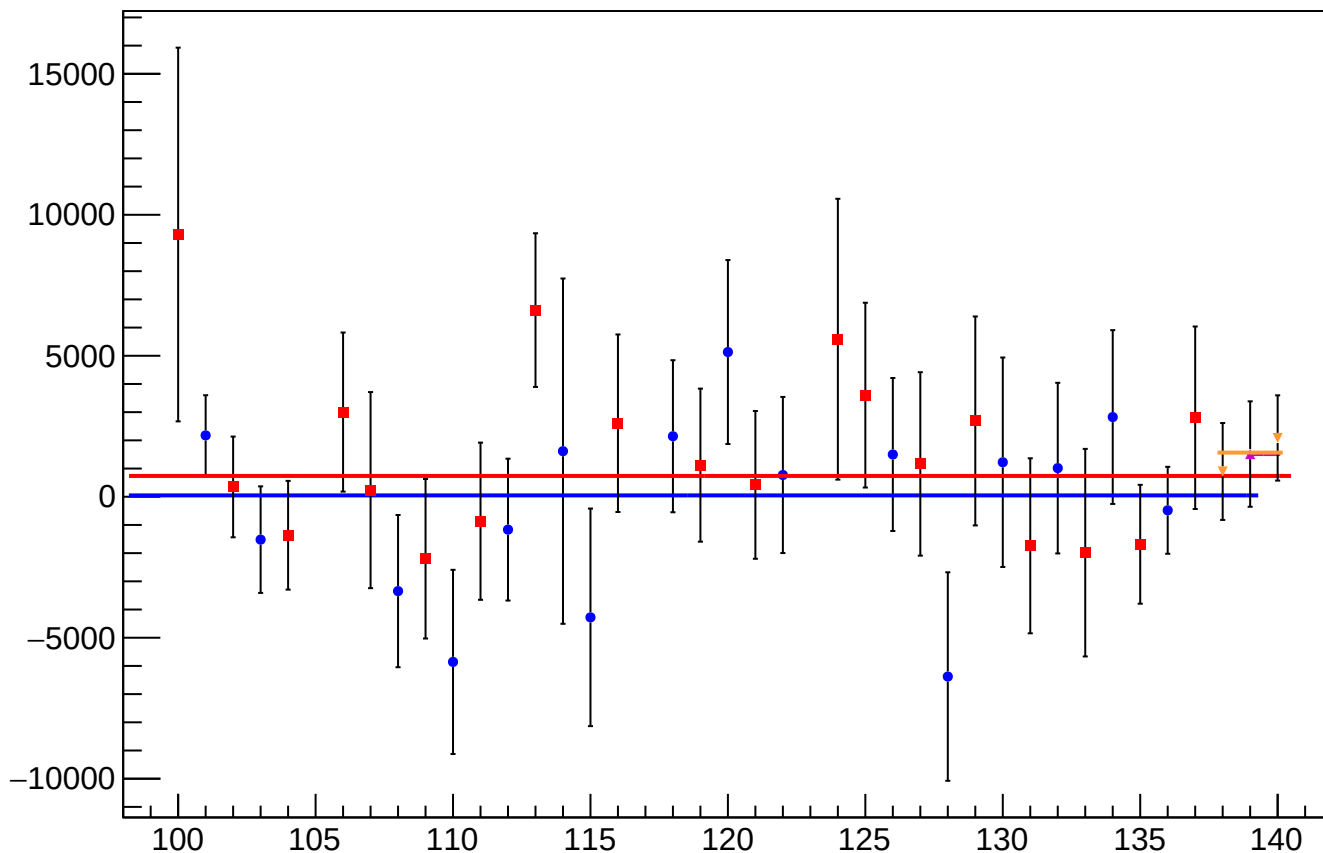
Left In: 1112.066 $\pm$ 0.855 χ^2 /NDF: 0.0/0

+ sign 1109.754 $\pm$ 0.264 χ^2 /NDF: 13529.2/17

All: 1110.858 $\pm$ 0.189 χ^2 /NDF: 22218.9/37

- sign 1112.033 $\pm$ 0.272 χ^2 /NDF: 8653.5/19

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF : 16.9/15

Left Out: 1566.025+/-1135.390 χ^2/NDF : 0.3/1

Right Out: 738.188+/-647.795 χ^2/NDF : 14.9/18

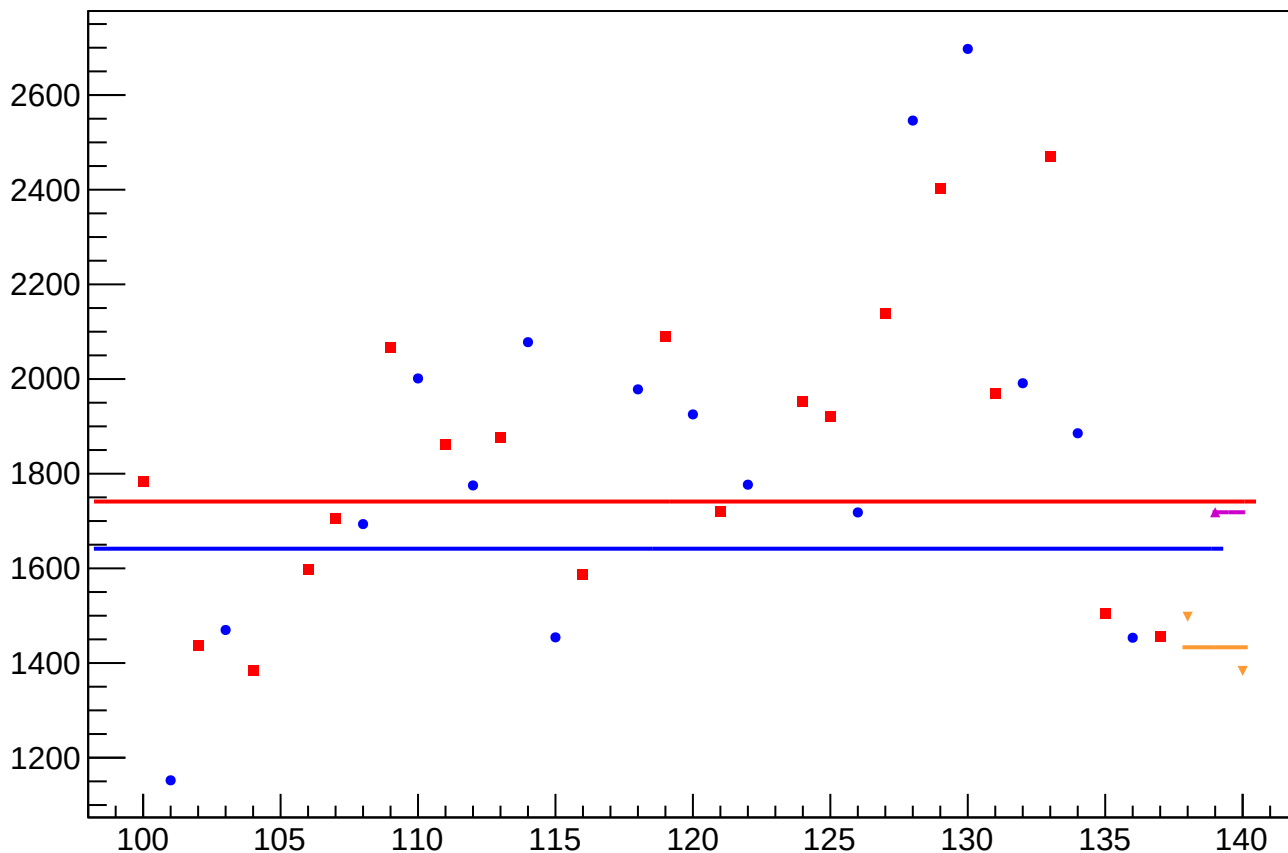
Left In: 1514.310+/-1869.950 χ^2/NDF : 0.0/0

+ sign 403.529+/-549.579 χ^2/NDF : 18.5/17

All: 590.015+/-408.936 χ^2/NDF : 33.9/37

- sign 821.350+/-612.106 χ^2/NDF : 15.1/19

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536 $\pm$ 0.444 χ^2 /NDF: 701299.1/15

Left Out: 1433.243 $\pm$ 0.803 χ^2 /NDF: 5000.3/1

Right Out: 1741.199 $\pm$ 0.458 χ^2 /NDF: 438324.1/18

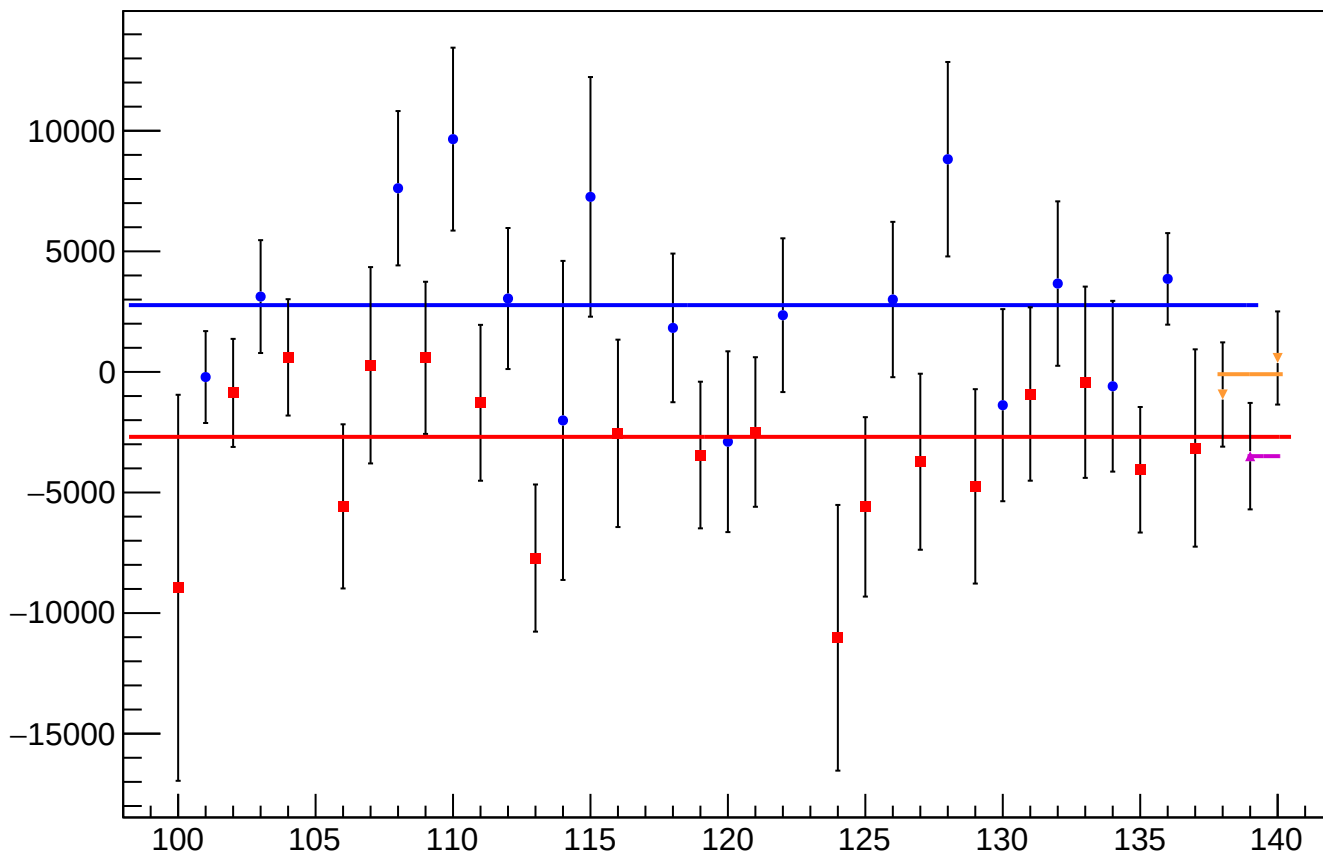
Left In: 1718.549 $\pm$ 1.322 χ^2 /NDF: 0.0/0

+ sign 1592.733 $\pm$ 0.389 χ^2 /NDF: 757839.9/17

All: 1657.915 $\pm$ 0.289 χ^2 /NDF: 1259458.4/37

- sign 1738.772 $\pm$ 0.433 χ^2 /NDF: 438586.1/19

asym_usr_mean vs Slug



Right In: 2769.952 $\pm$ 757.109 χ^2 /NDF: 16.4/15

Left Out: -94.325 $\pm$ 1440.666 χ^2 /NDF:0.3/1

Right Out: -2692.625 $\pm$ 765.754 χ^2 /NDF: 12.5/18

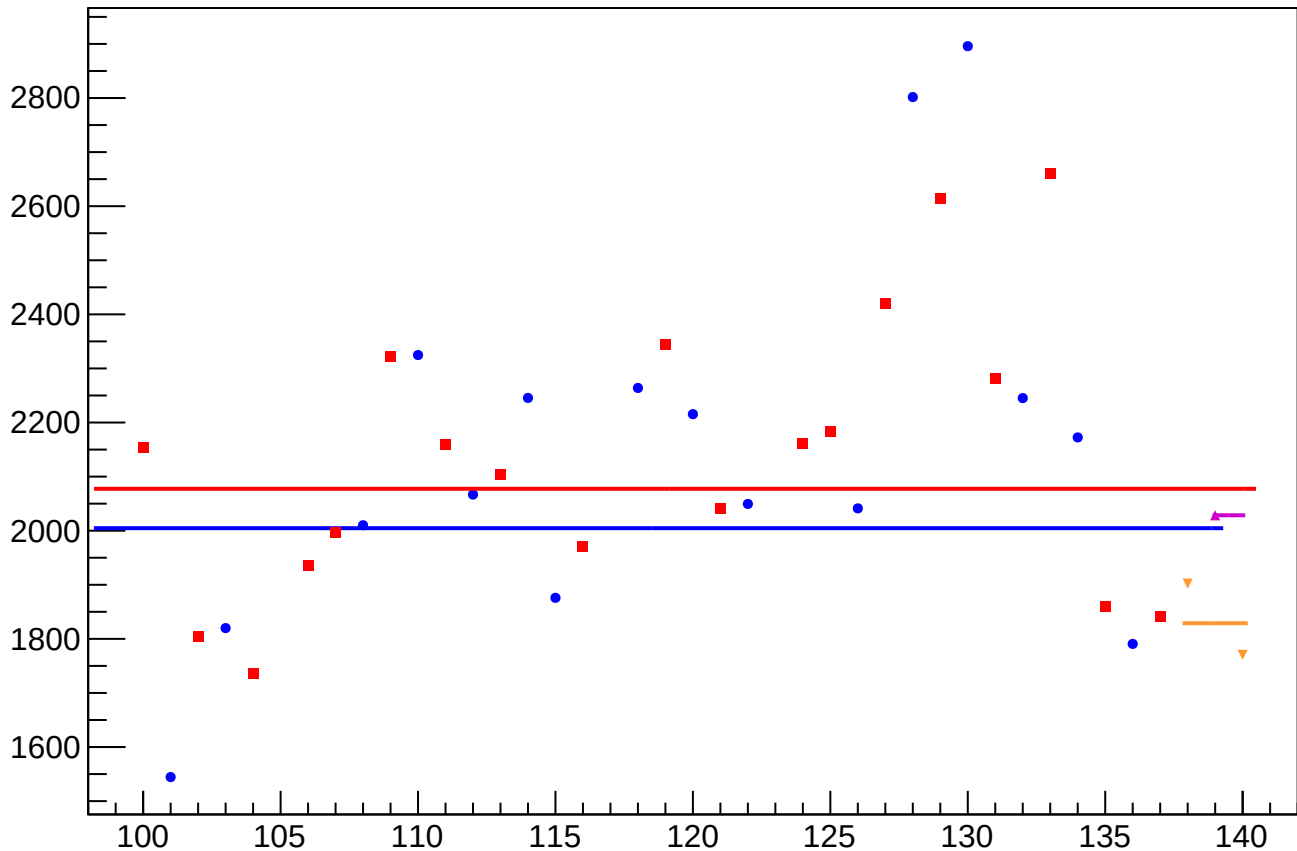
Left In: -3492.726 $\pm$ 2207.329 χ^2 /NDF:0.0/0

+ sign 2150.092 $\pm$ 670.197 χ^2 /NDF: 19.8/17

All: -126.164 $\pm$ 491.653 χ^2 /NDF: 57.4/37

- sign -2778.573 $\pm$ 723.457 χ^2 /NDF: 12.7/19

asym_usr_rms vs Slug



Right In: 2004.635 $\pm$ 0.535 χ^2 /NDF: 387567.3/15

Left Out: 1828.885 $\pm$ 1.019 χ^2 /NDF: 4125.4/1

Right Out: 2077.500 $\pm$ 0.541 χ^2 /NDF: 230482.0/18

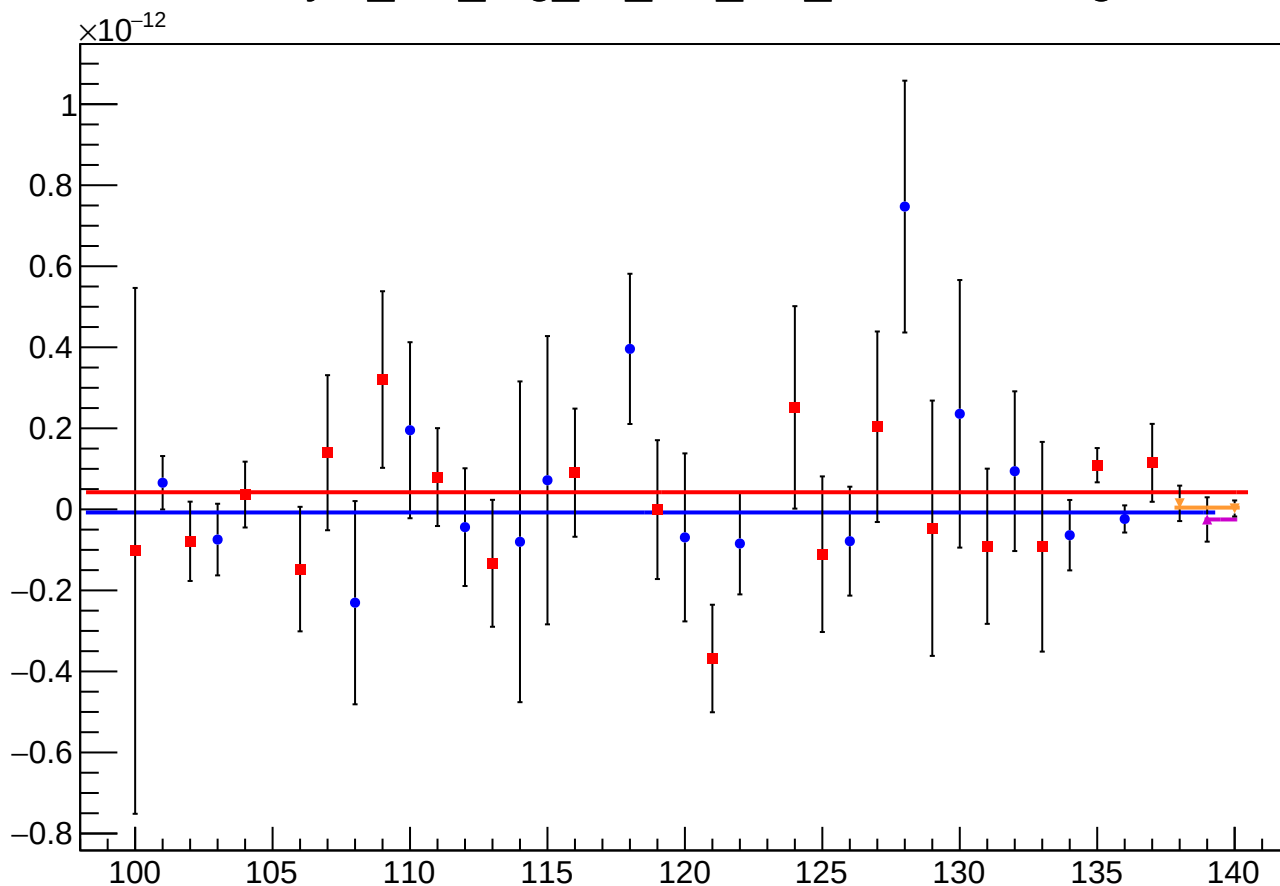
Left In: 2028.500 $\pm$ 1.561 χ^2 /NDF: 0.0/0

+ sign 1966.601 $\pm$ 0.474 χ^2 /NDF: 415015.7/17

All: 2015.388 $\pm$ 0.348 χ^2 /NDF: 669325.1/37

- sign 2072.237 $\pm$ 0.512 χ^2 /NDF: 231361.7/19

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 : 0.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.8/18

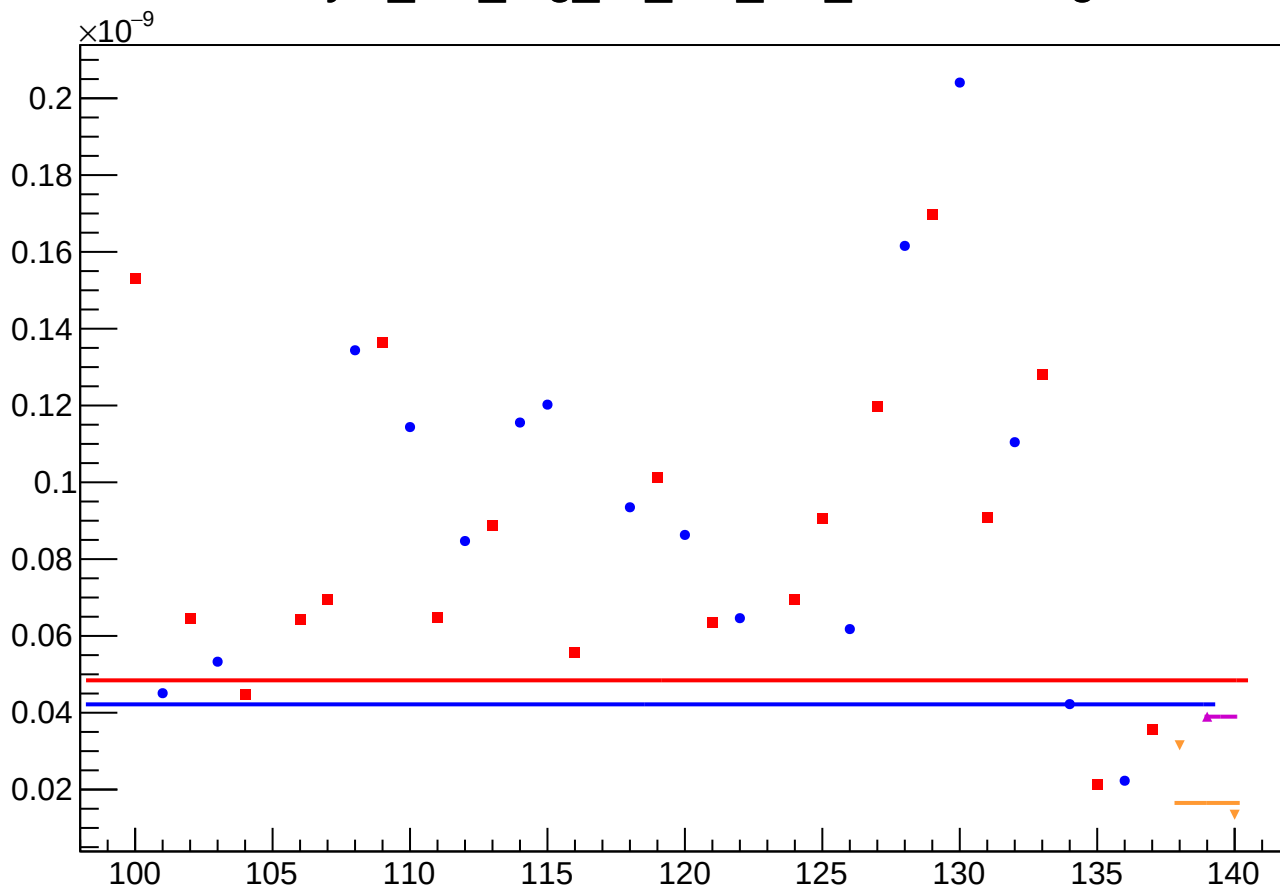
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 16.7/17

All: 0.000 ± 0.000 χ^2/NDF : 40.7/37

- sign 0.000 ± 0.000 χ^2/NDF : 23.0/19

asym_usr_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 283619.9/1

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

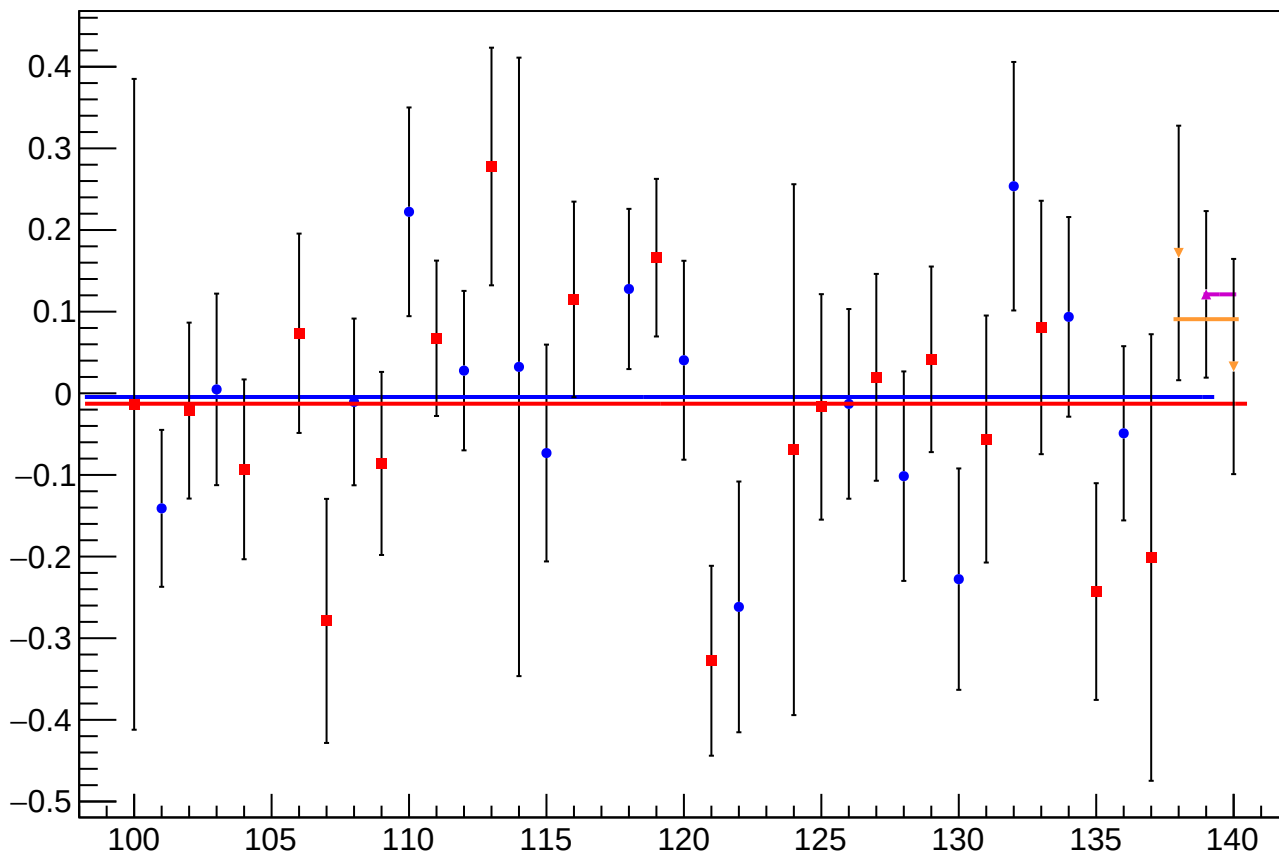
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4657002.5/17

All: 0.000+/-0.000 χ^2/NDF : 8410648.4/37

- sign 0.000+/-0.000 χ^2/NDF : 2652473.8/19

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

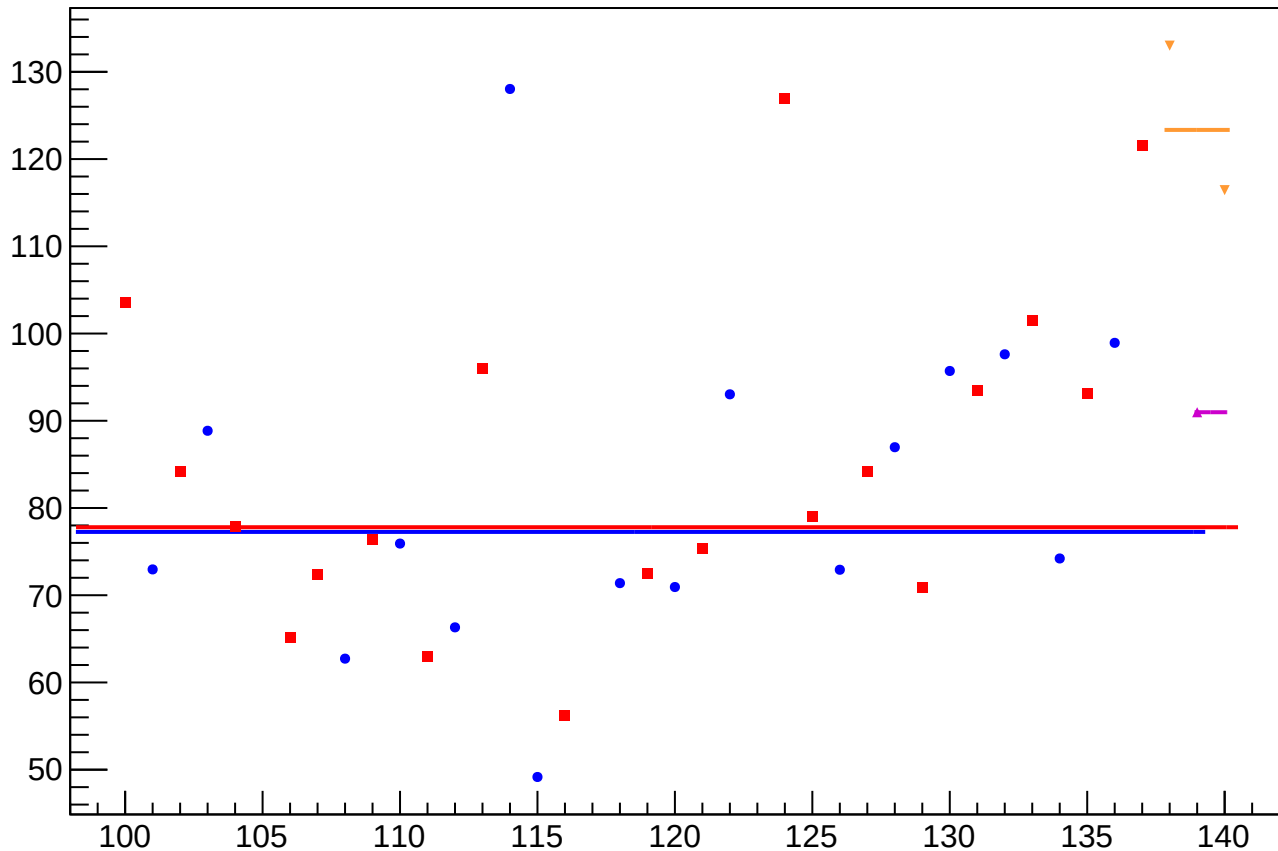
Left In: 0.121 ± 0.102 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: 0.000 ± 0.020 χ^2/NDF : 45.7/37

- sign -0.002 ± 0.029 χ^2/NDF : 27.1/19

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259 $\pm$ 0.021 χ^2 /NDF: 419290.2/15

Left Out: 123.343 $\pm$ 0.071 χ^2 /NDF:13172.3/1

Right Out: 77.796 $\pm$ 0.021 χ^2 /NDF: 396477.1/18

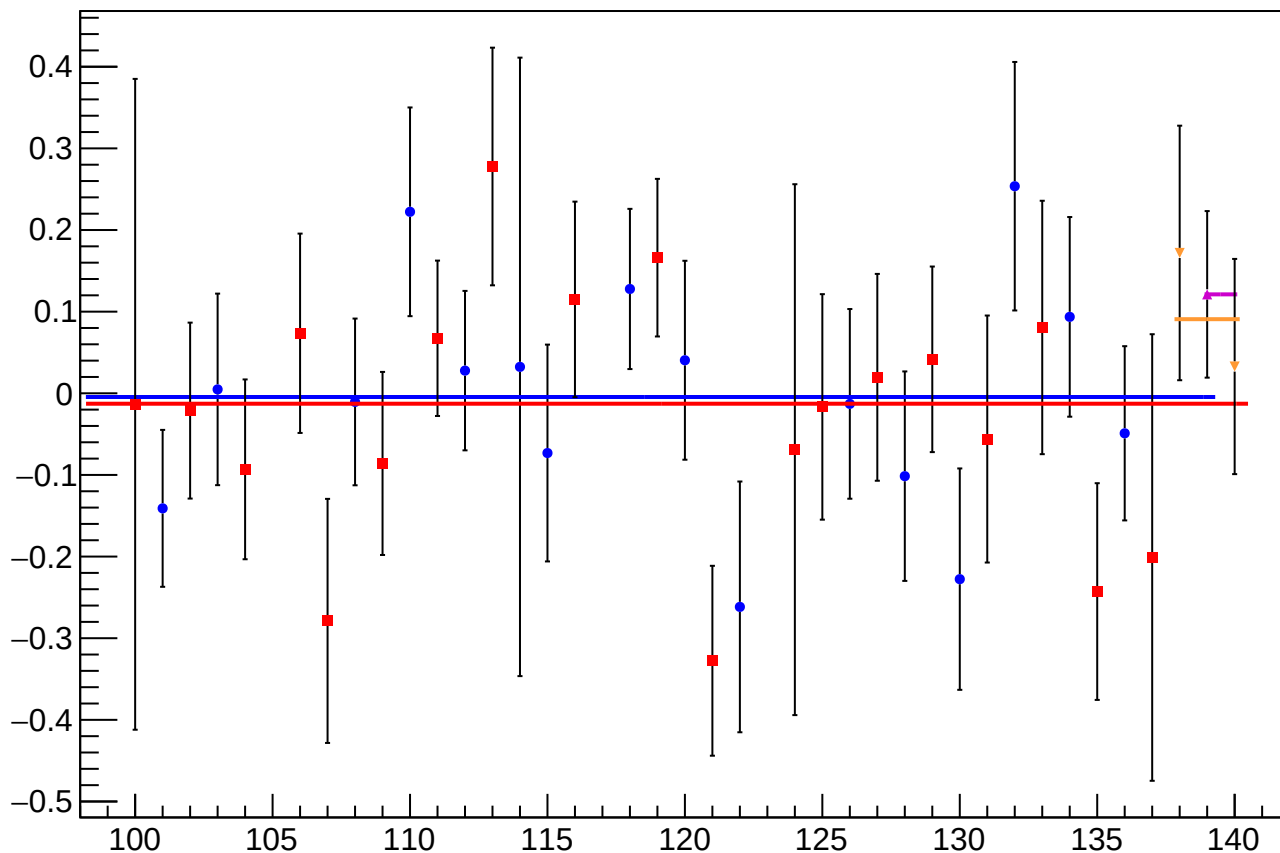
Left In: 90.979 $\pm$ 0.072 χ^2 /NDF:0.0/0

+ sign 81.030 $\pm$ 0.020 χ^2 /NDF: 817405.6/17

All: 79.919 $\pm$ 0.014 χ^2 /NDF: 1250570.9/37

- sign 78.828 $\pm$ 0.020 χ^2 /NDF: 427261.8/19

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

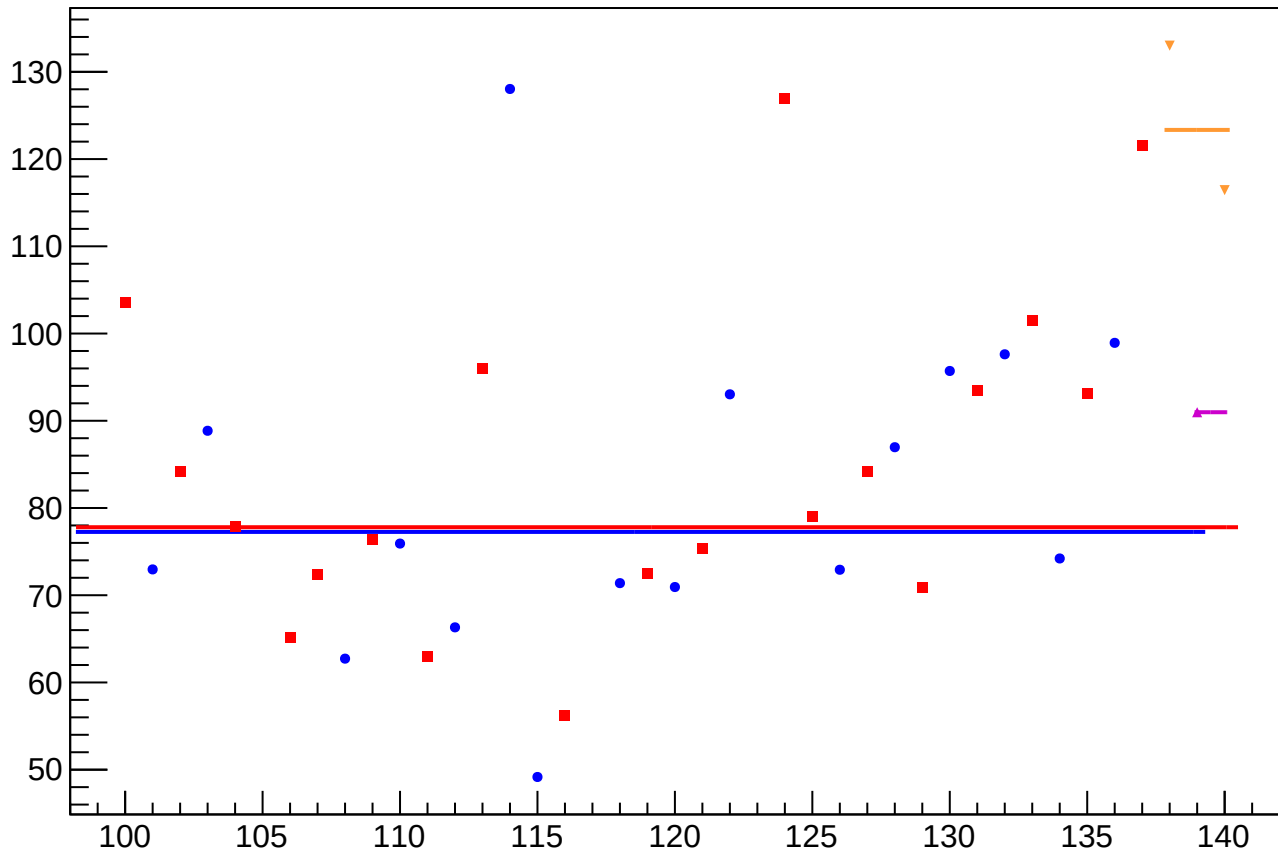
Left In: 0.121 ± 0.102 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: 0.000 ± 0.020 χ^2/NDF : 45.7/37

- sign -0.002 ± 0.029 χ^2/NDF : 27.1/19

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF : 419290.2/15

Left Out: 123.343+/-0.071 χ^2/NDF :13172.3/1

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

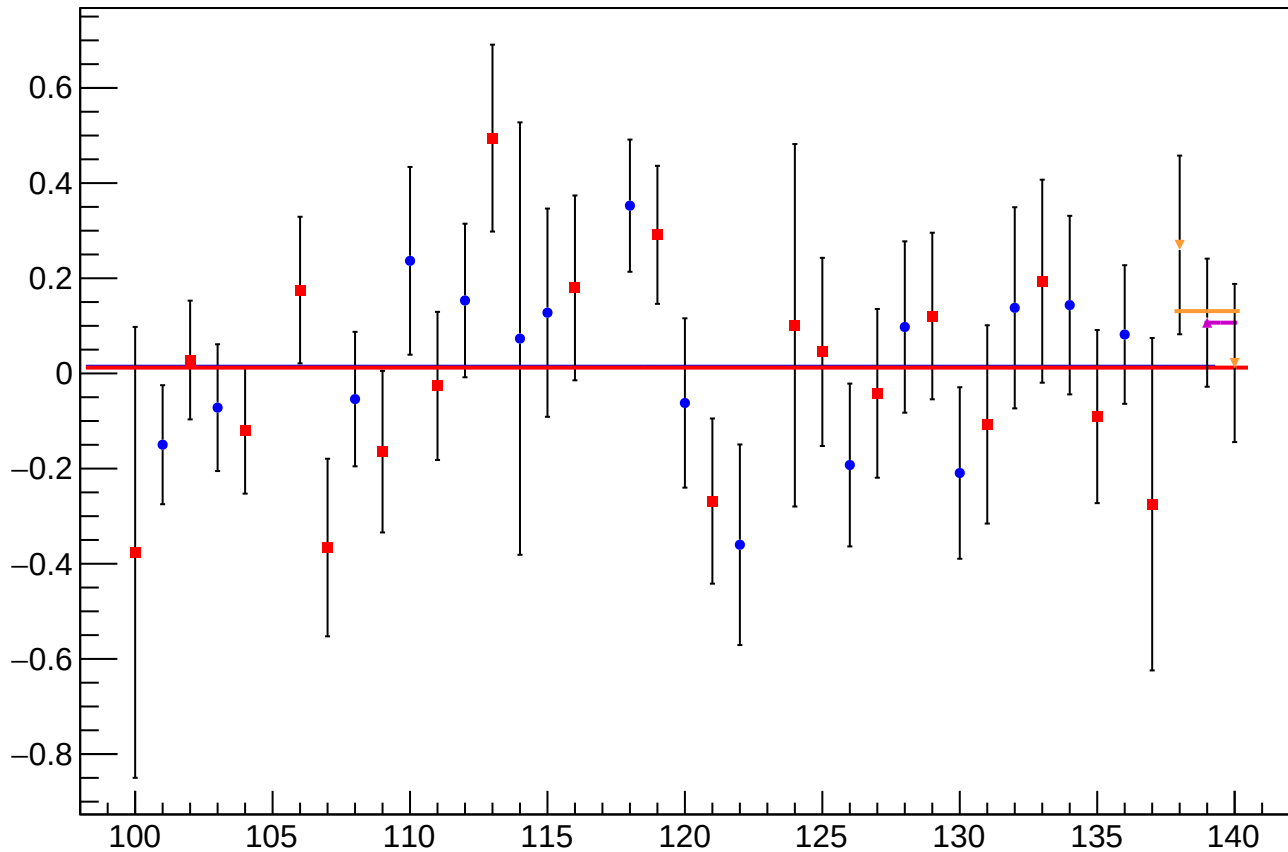
Left In: 90.979+/-0.072 χ^2/NDF :0.0/0

+ sign 81.030+/-0.020 χ^2/NDF : 817405.6/17

All: 79.919+/-0.014 χ^2/NDF : 1250570.9/37

- sign 78.828+/-0.020 χ^2/NDF : 427261.8/19

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.042 χ^2 /NDF: 18.2/15

Left Out: 0.131 $\pm$ 0.124 χ^2 /NDF: 1.0/1

Right Out: 0.012 $\pm$ 0.041 χ^2 /NDF: 23.8/18

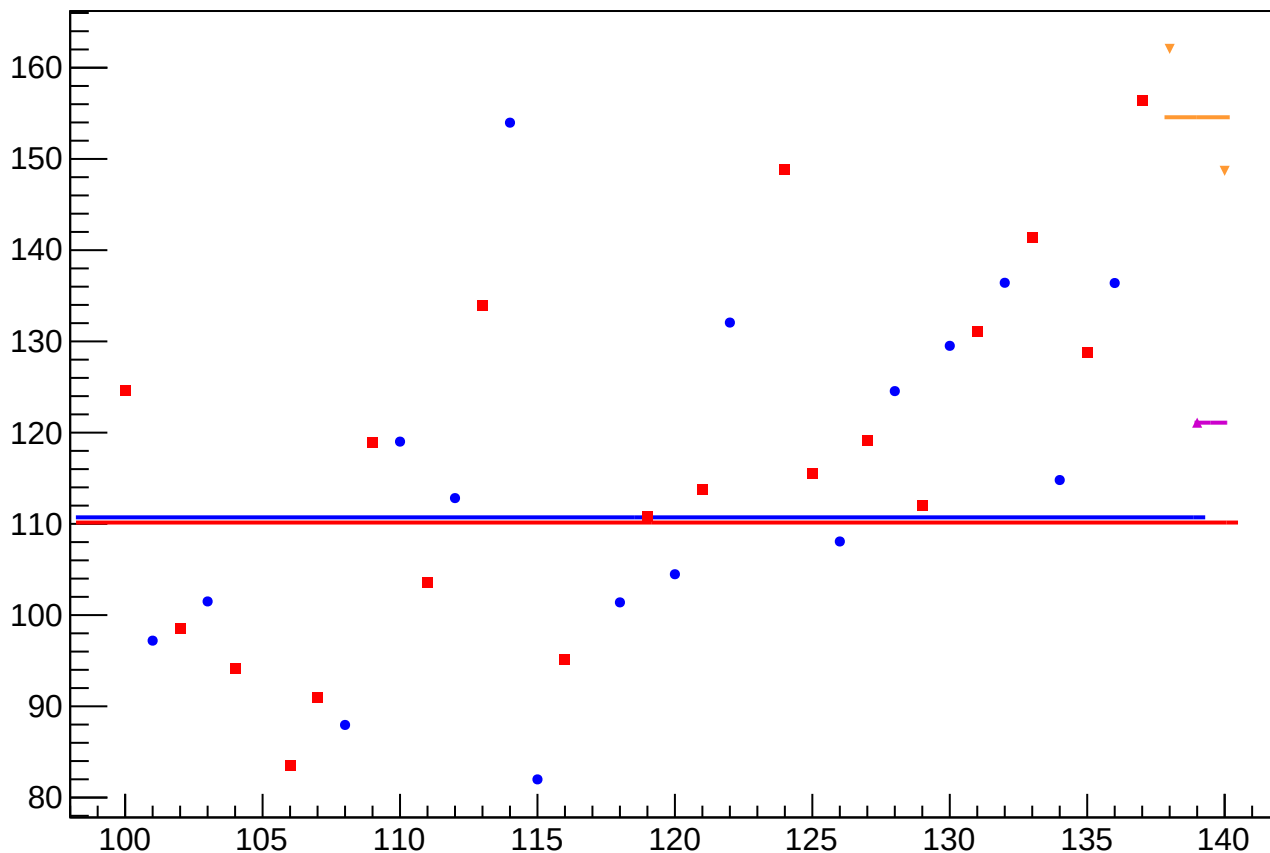
Left In: 0.107 $\pm$ 0.135 χ^2 /NDF: 0.0/0

+ sign 0.026 $\pm$ 0.040 χ^2 /NDF: 20.0/17

All: 0.023 $\pm$ 0.028 χ^2 /NDF: 44.2/37

- sign 0.020 $\pm$ 0.039 χ^2 /NDF: 24.2/19

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF : 299972.8/15

Left Out: 154.570+/-0.088 χ^2/NDF : 5685.5/1

Right Out: 110.145+/-0.029 χ^2/NDF : 326726.5/18

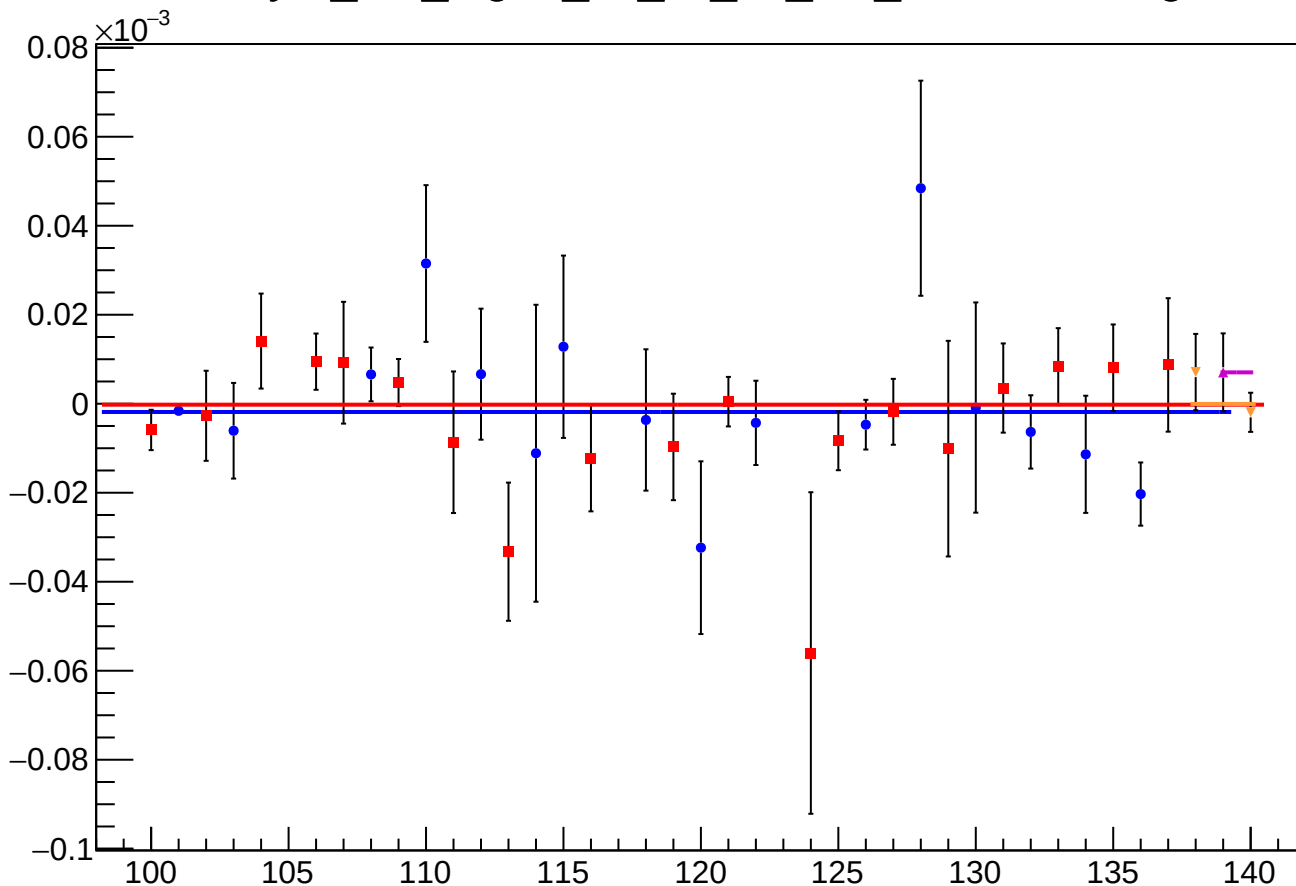
Left In: 121.092+/-0.095 χ^2/NDF : 0.0/0

+ sign 115.251+/-0.028 χ^2/NDF : 528366.3/17

All: 113.141+/-0.020 χ^2/NDF : 878148.5/37

- sign 111.087+/-0.028 χ^2/NDF : 338812.5/19

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/18

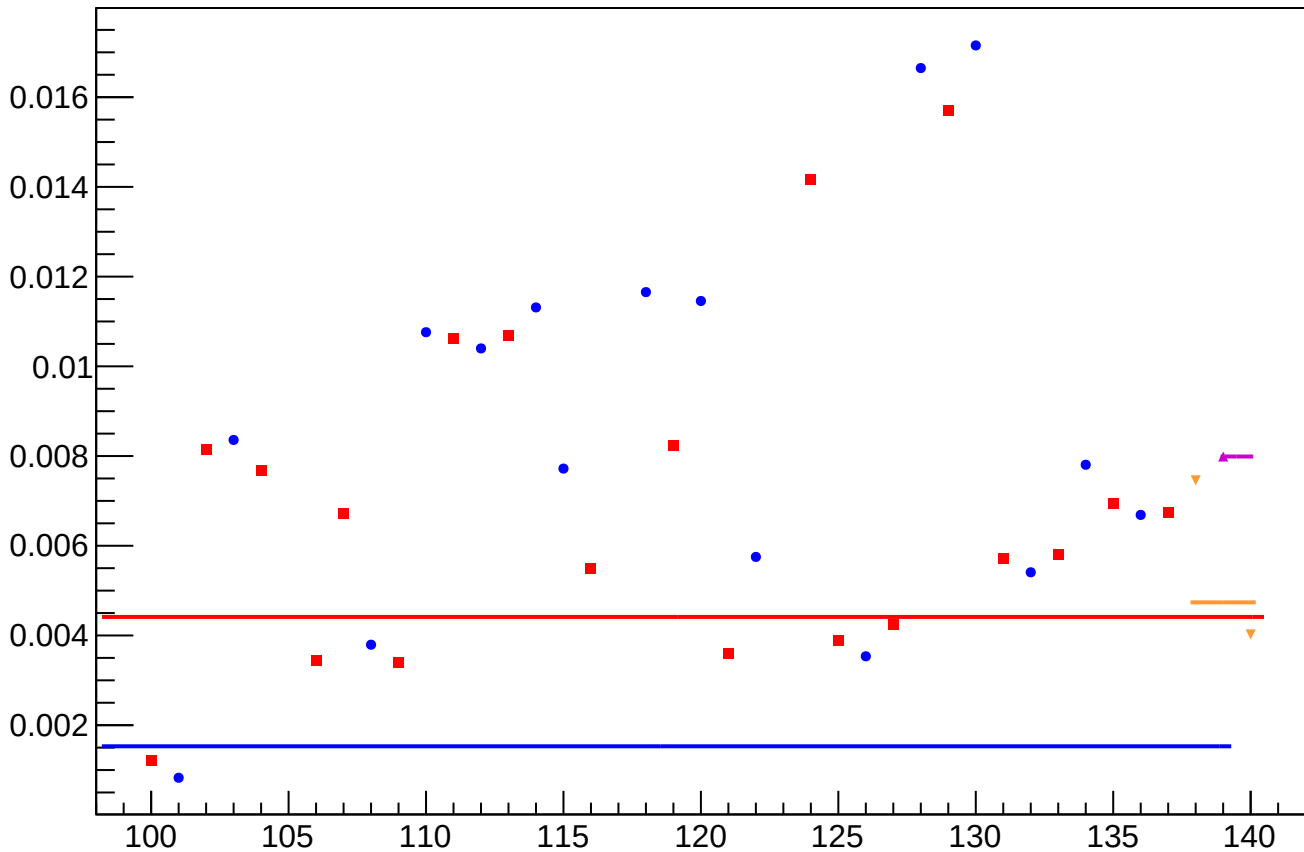
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.5/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.5/19

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 : 253818.6/1

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

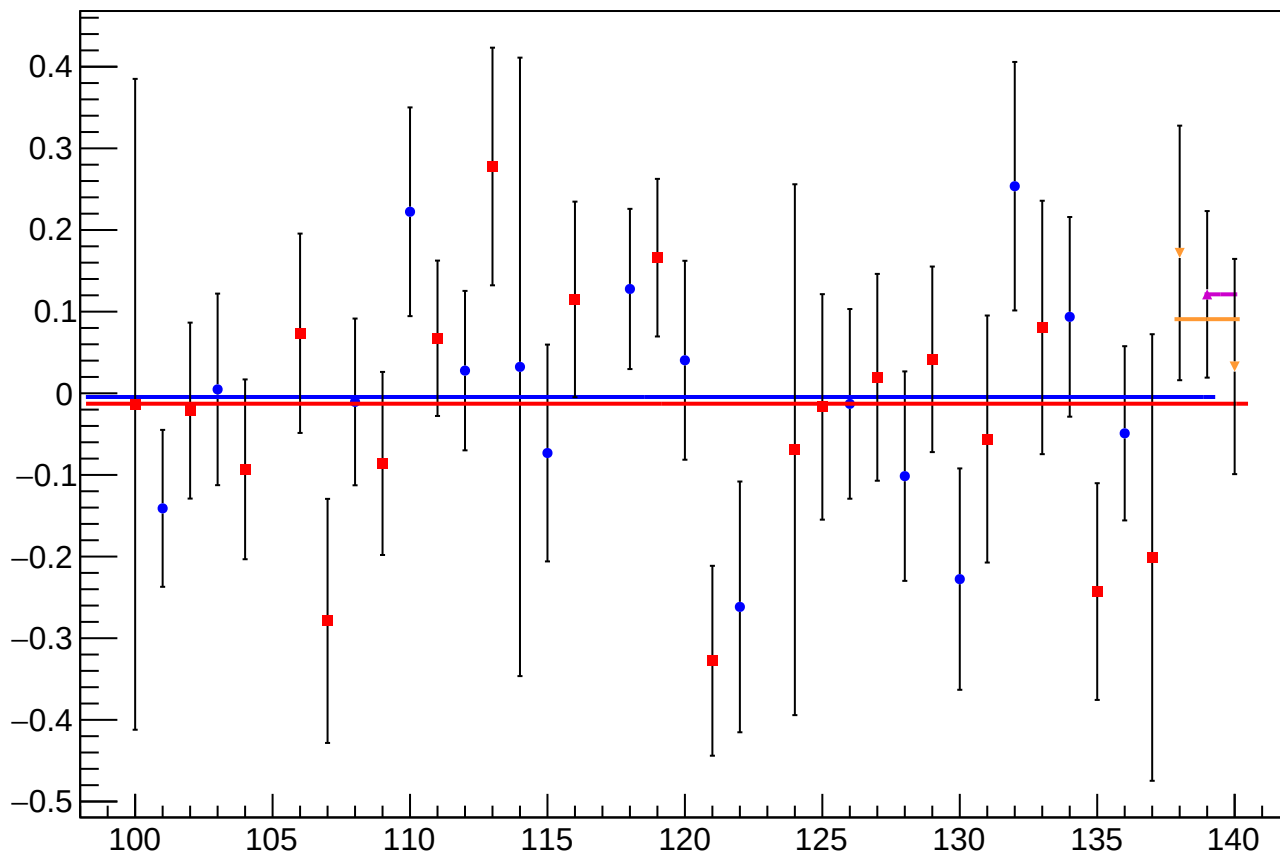
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 10743019.1/17

All: 0.002+/-0.000 χ^2/NDF : 18147169.4/37

- sign 0.005+/-0.000 χ^2/NDF : 3705952.5/19

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

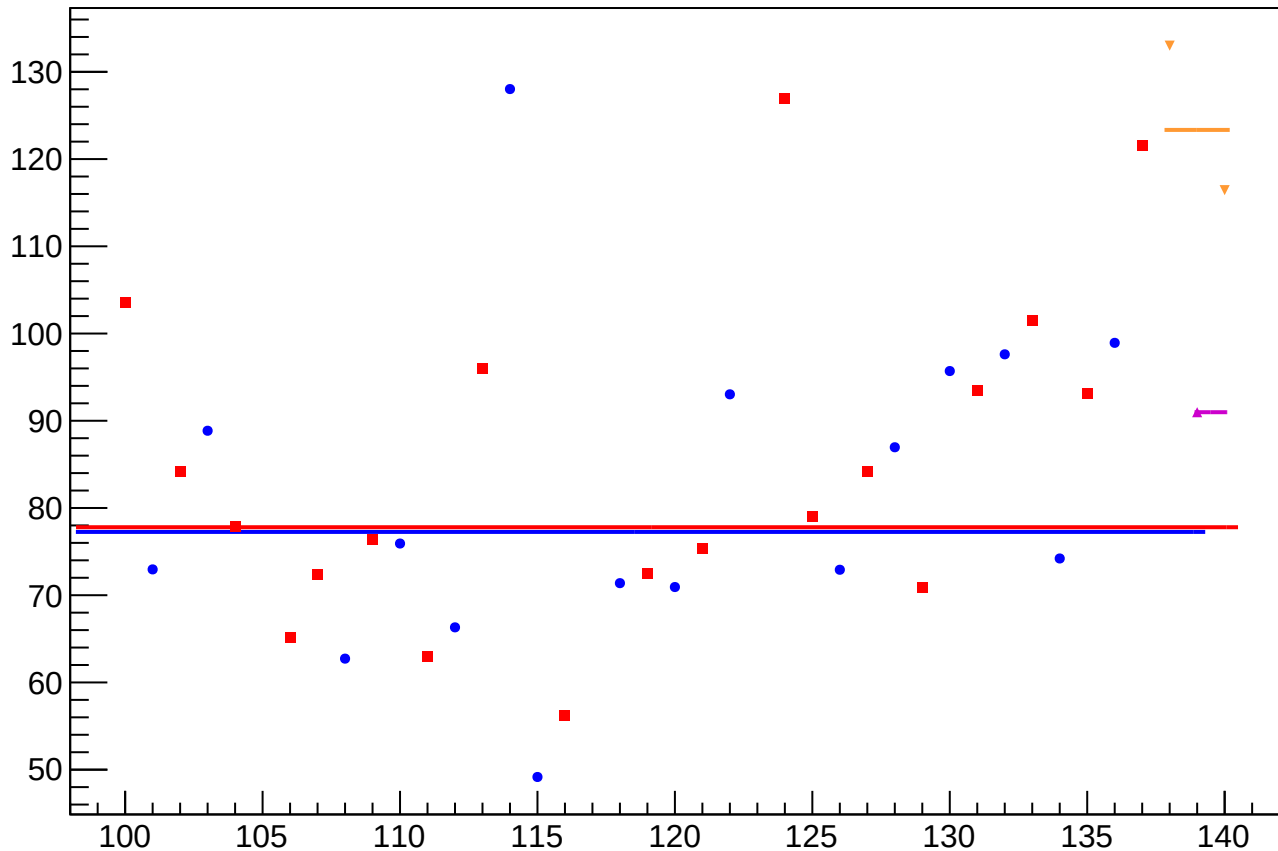
Left In: 0.121 ± 0.102 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: 0.000 ± 0.020 χ^2/NDF : 45.7/37

- sign -0.002 ± 0.029 χ^2/NDF : 27.1/19

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2 /NDF: 419276.8/15

Left Out: 123.344+/-0.071 χ^2 /NDF:13173.5/1

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

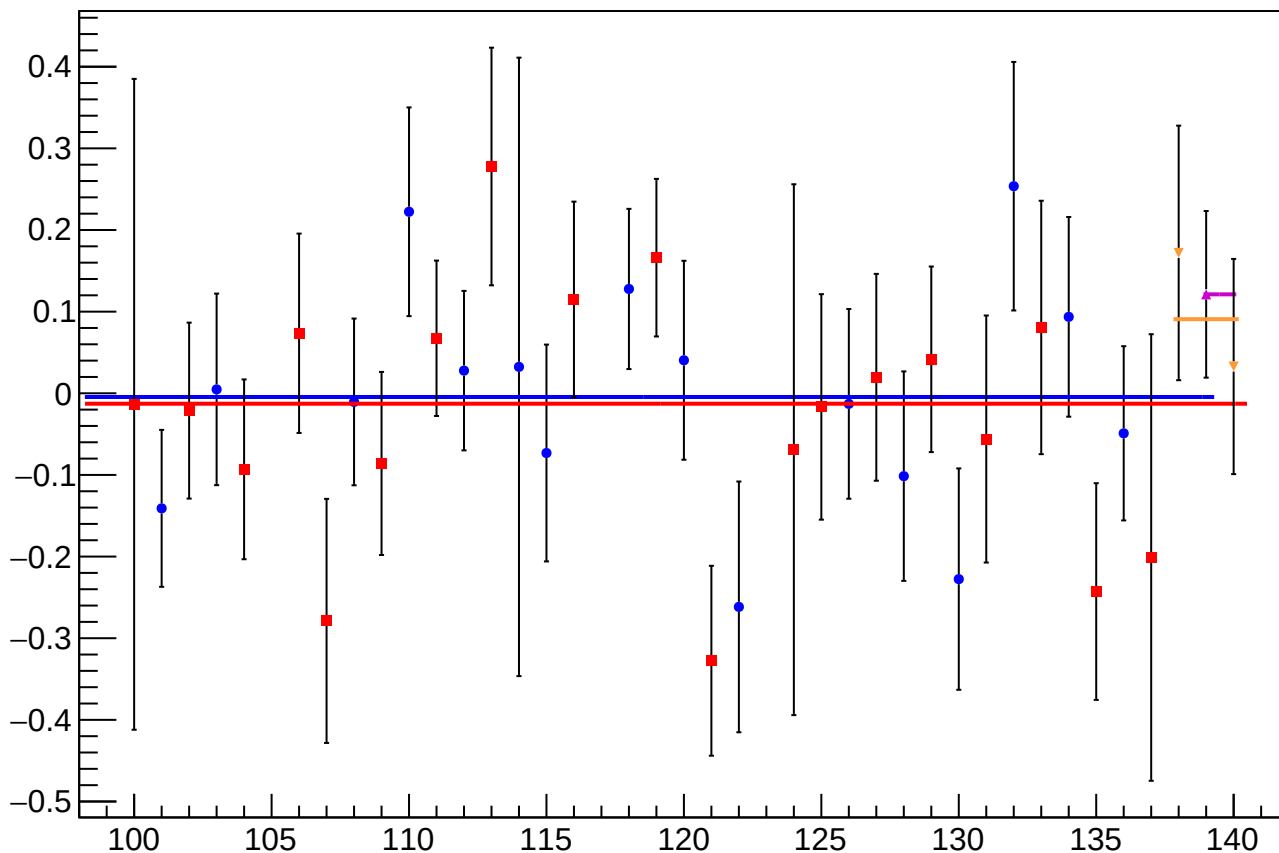
Left In: 90.981+/-0.072 χ^2 /NDF:0.0/0

+ sign 81.029+/-0.020 χ^2 /NDF: 817422.9/17

All: 79.918+/-0.014 χ^2 /NDF: 1250598.4/37

- sign 78.826+/-0.020 χ^2 /NDF: 427272.8/19

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

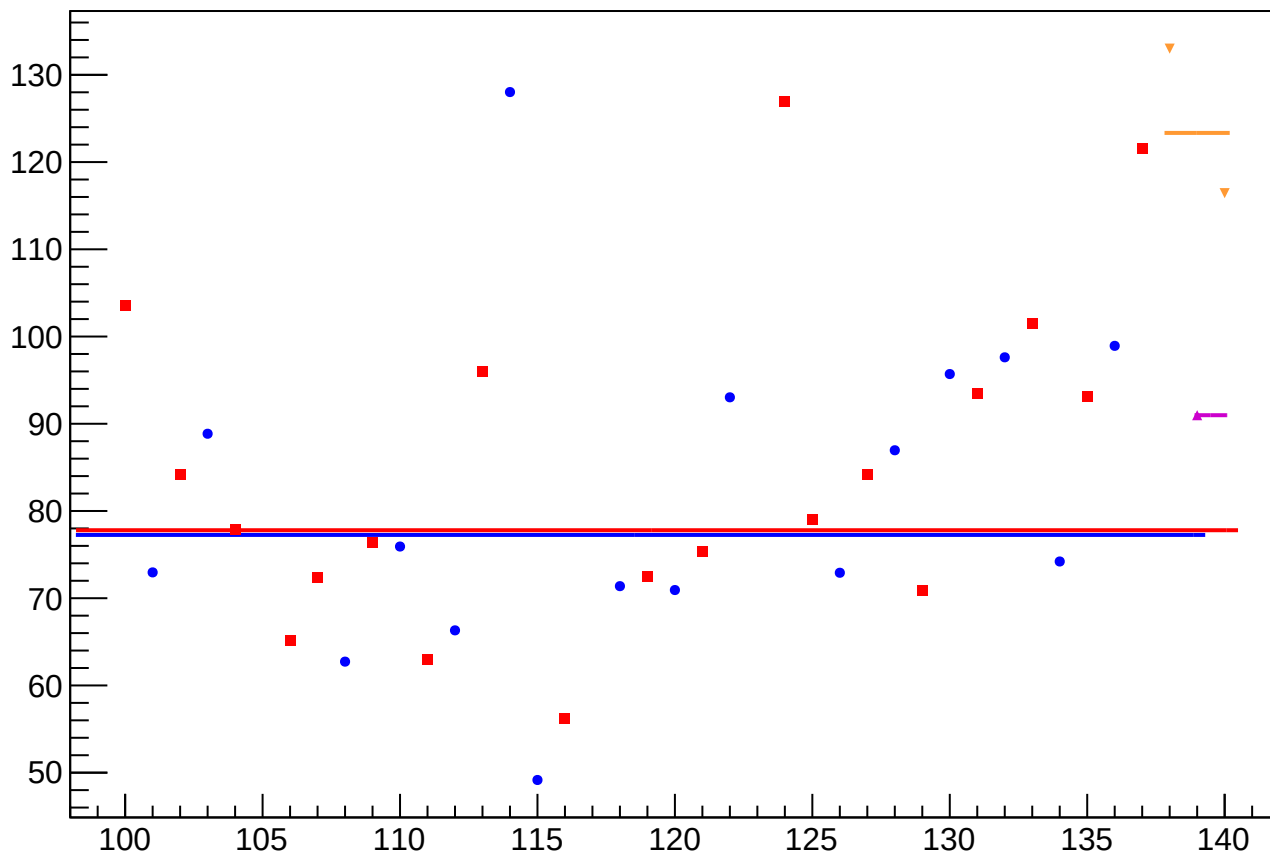
Left In: 0.121 ± 0.102 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: 0.000 ± 0.020 χ^2/NDF : 45.7/37

- sign -0.002 ± 0.029 χ^2/NDF : 27.1/19

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2 /NDF: 419276.8/15

Left Out: 123.344+/-0.071 χ^2 /NDF:13173.5/1

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

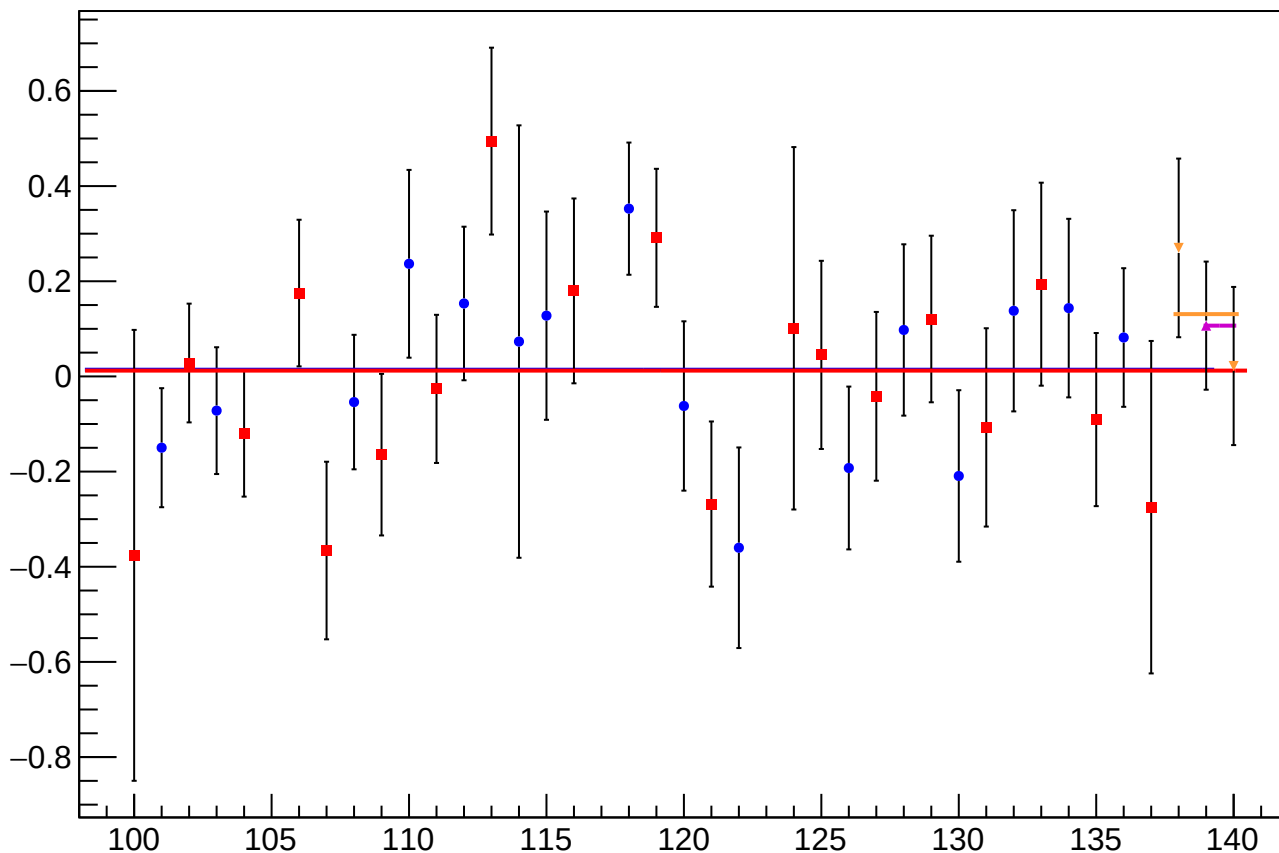
Left In: 90.981+/-0.072 χ^2 /NDF:0.0/0

+ sign 81.029+/-0.020 χ^2 /NDF: 817422.9/17

All: 79.918+/-0.014 χ^2 /NDF: 1250598.4/37

- sign 78.826+/-0.020 χ^2 /NDF: 427272.8/19

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.042 χ^2 /NDF: 18.2/15

Left Out: 0.131 $\pm$ 0.124 χ^2 /NDF:1.0/1

Right Out: 0.012 $\pm$ 0.041 χ^2 /NDF: 23.8/18

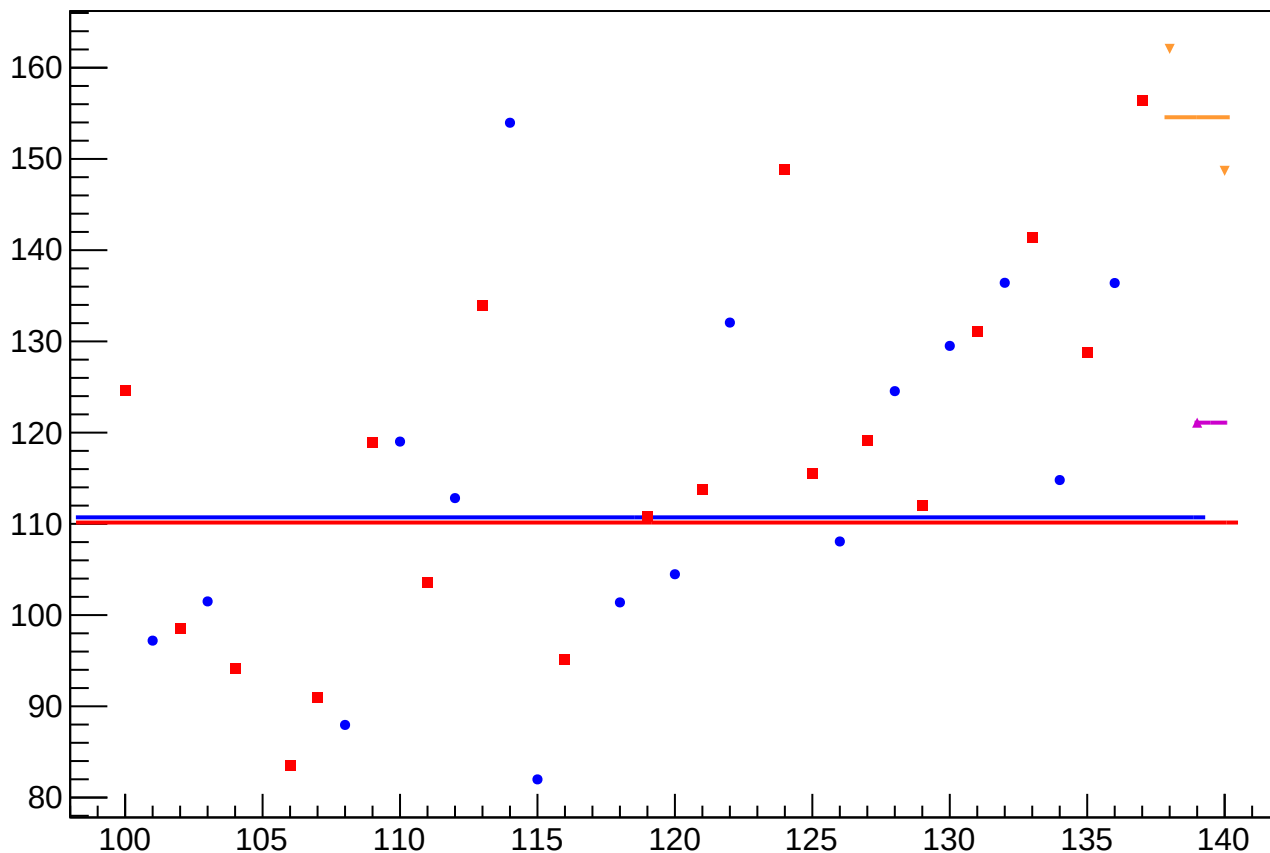
Left In: 0.107 $\pm$ 0.135 χ^2 /NDF:0.0/0

+ sign 0.026 $\pm$ 0.040 χ^2 /NDF: 20.0/17

All: 0.023 $\pm$ 0.028 χ^2 /NDF: 44.2/37

- sign 0.020 $\pm$ 0.039 χ^2 /NDF: 24.2/19

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714 $\pm$ 0.030 χ^2 /NDF: 299948.2/15

Left Out: 154.570 $\pm$ 0.088 χ^2 /NDF: 5685.8/1

Right Out: 110.144 $\pm$ 0.029 χ^2 /NDF: 326696.7/18

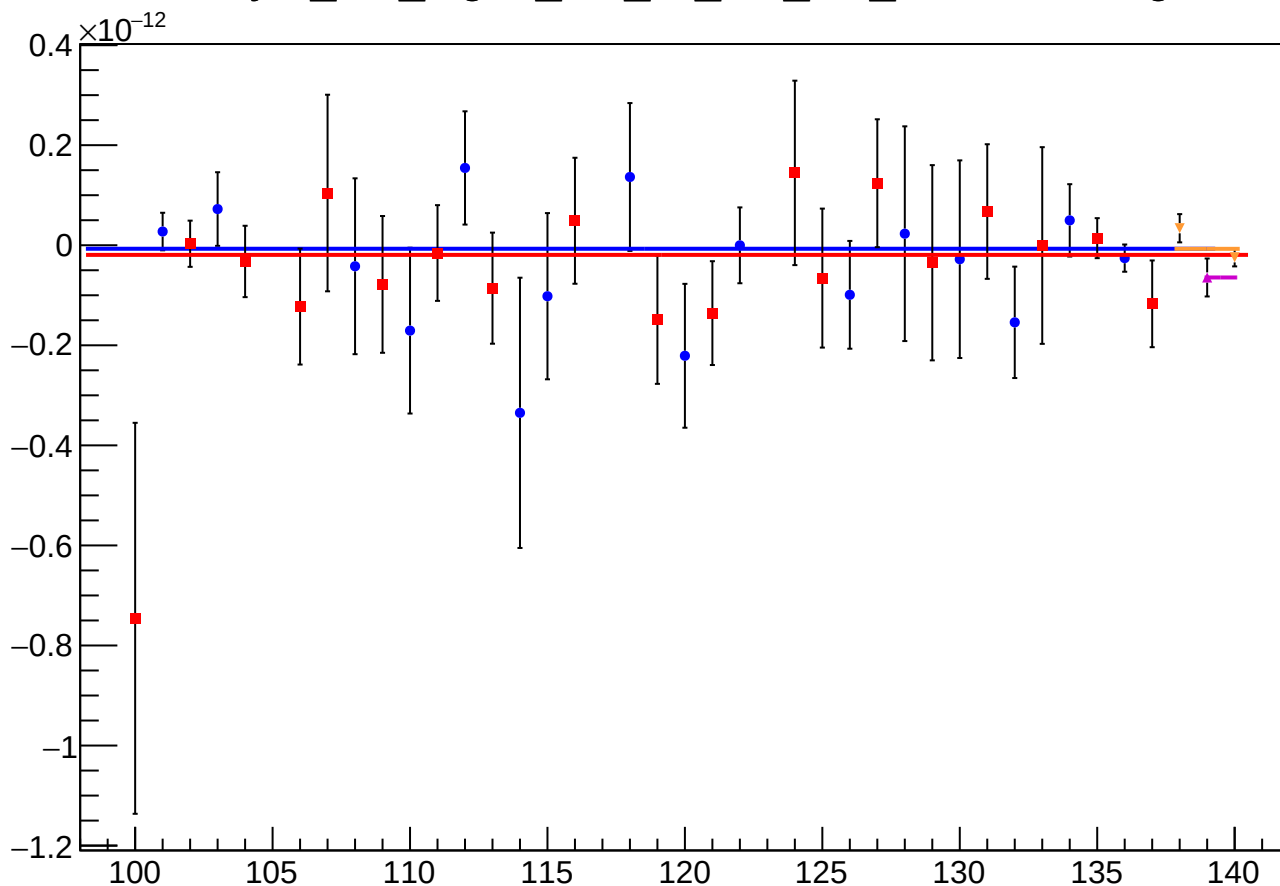
Left In: 121.094 $\pm$ 0.095 χ^2 /NDF: 0.0/0

+ sign 115.250 $\pm$ 0.028 χ^2 /NDF: 528351.2/17

All: 113.140 $\pm$ 0.020 χ^2 /NDF: 878106.9/37

- sign 111.086 $\pm$ 0.028 χ^2 /NDF: 338787.2/19

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000 ± 0.000 χ^2/NDF : 3.0/1

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

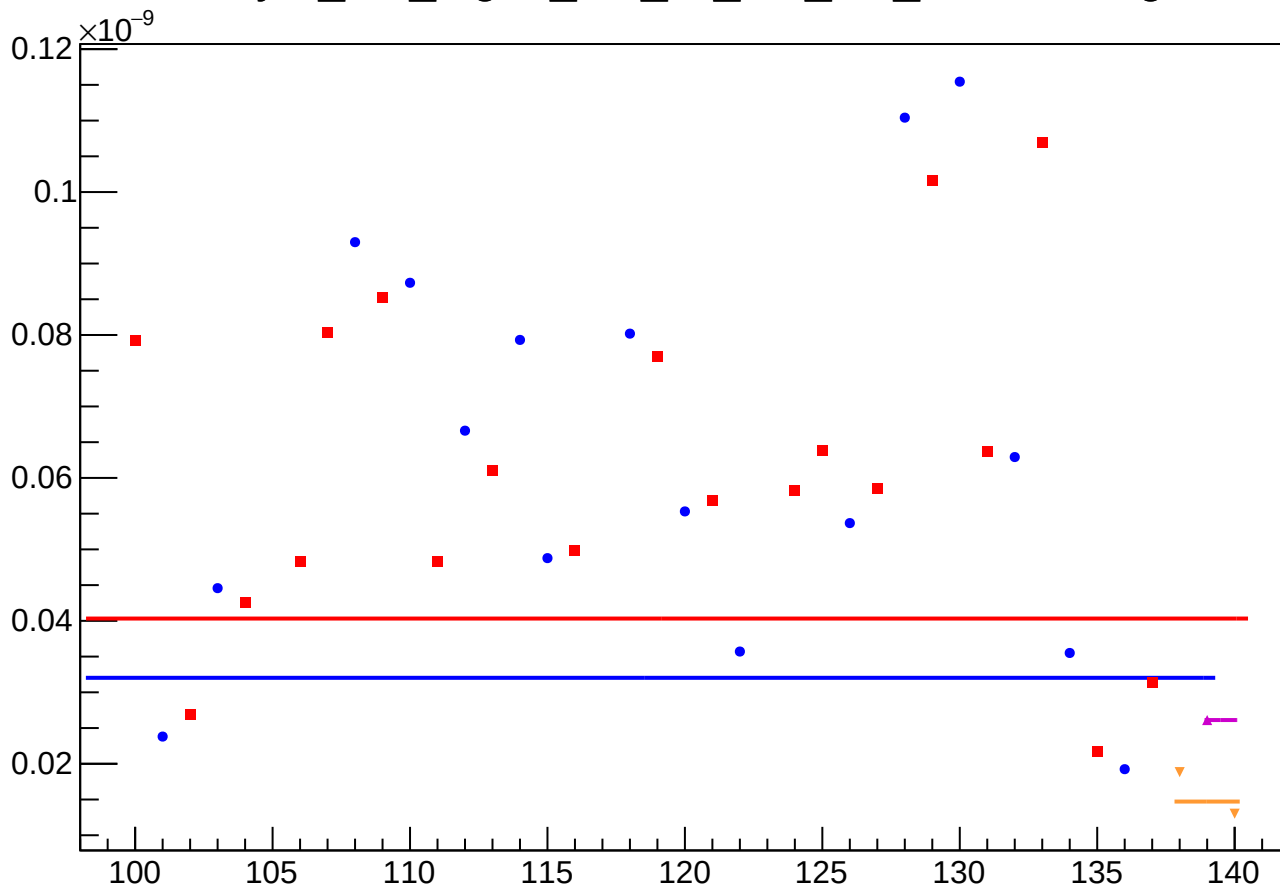
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 16.6/17

All: -0.000 ± 0.000 χ^2/NDF : 31.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 13.7/19

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 60124.4/1

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

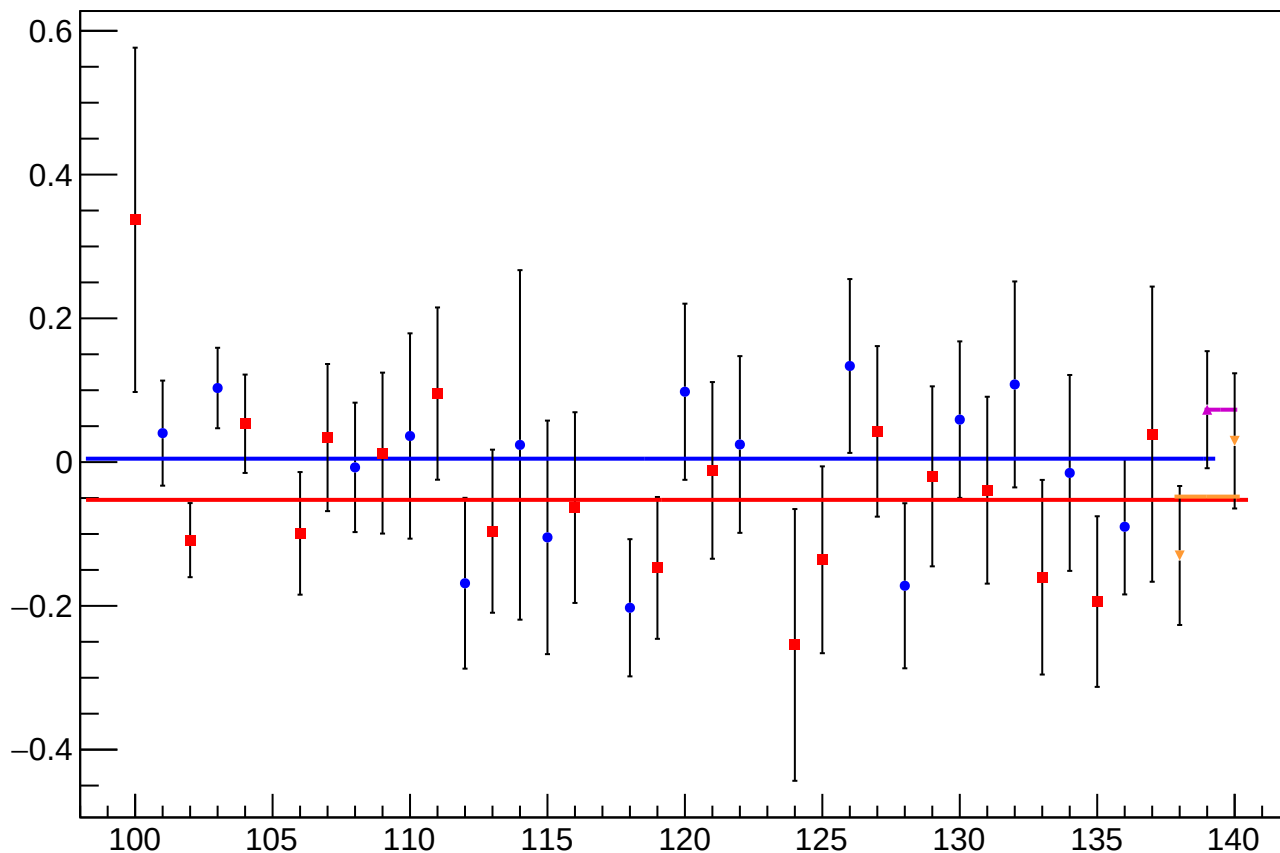
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3602392.3/17

All: 0.000+/-0.000 χ^2/NDF : 6625495.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2080207.1/19

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.026 χ^2 /NDF: 16.6/15

Left Out: -0.048 $\pm$ 0.067 χ^2 /NDF: 1.4/1

Right Out: -0.053 $\pm$ 0.024 χ^2 /NDF: 14.8/18

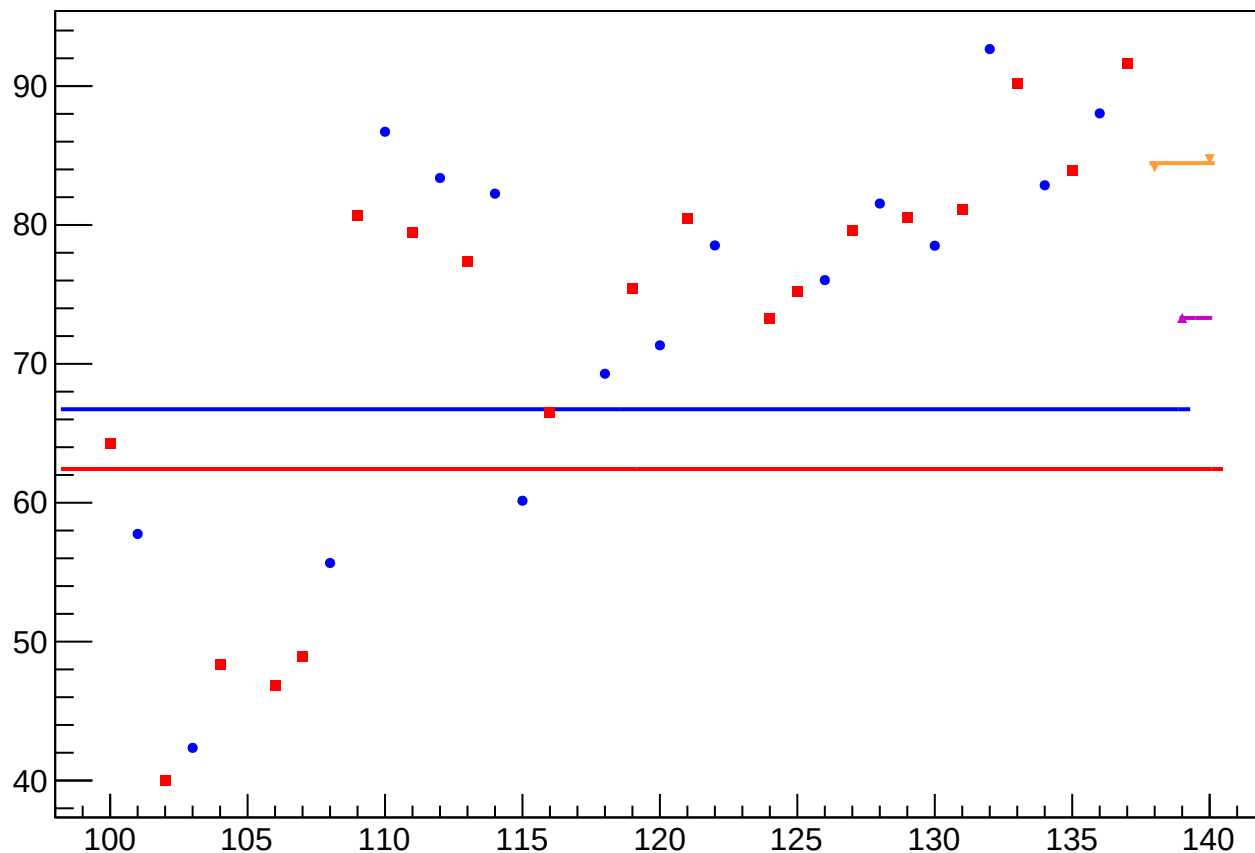
Left In: 0.073 $\pm$ 0.081 χ^2 /NDF: 0.0/0

+ sign -0.002 $\pm$ 0.024 χ^2 /NDF: 18.5/17

All: -0.023 $\pm$ 0.017 χ^2 /NDF: 37.0/37

- sign -0.042 $\pm$ 0.023 χ^2 /NDF: 17.0/19

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732 ± 0.018 χ^2/NDF : 816752.6/15

Left Out: 84.451 ± 0.048 χ^2/NDF : 37.6/1

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

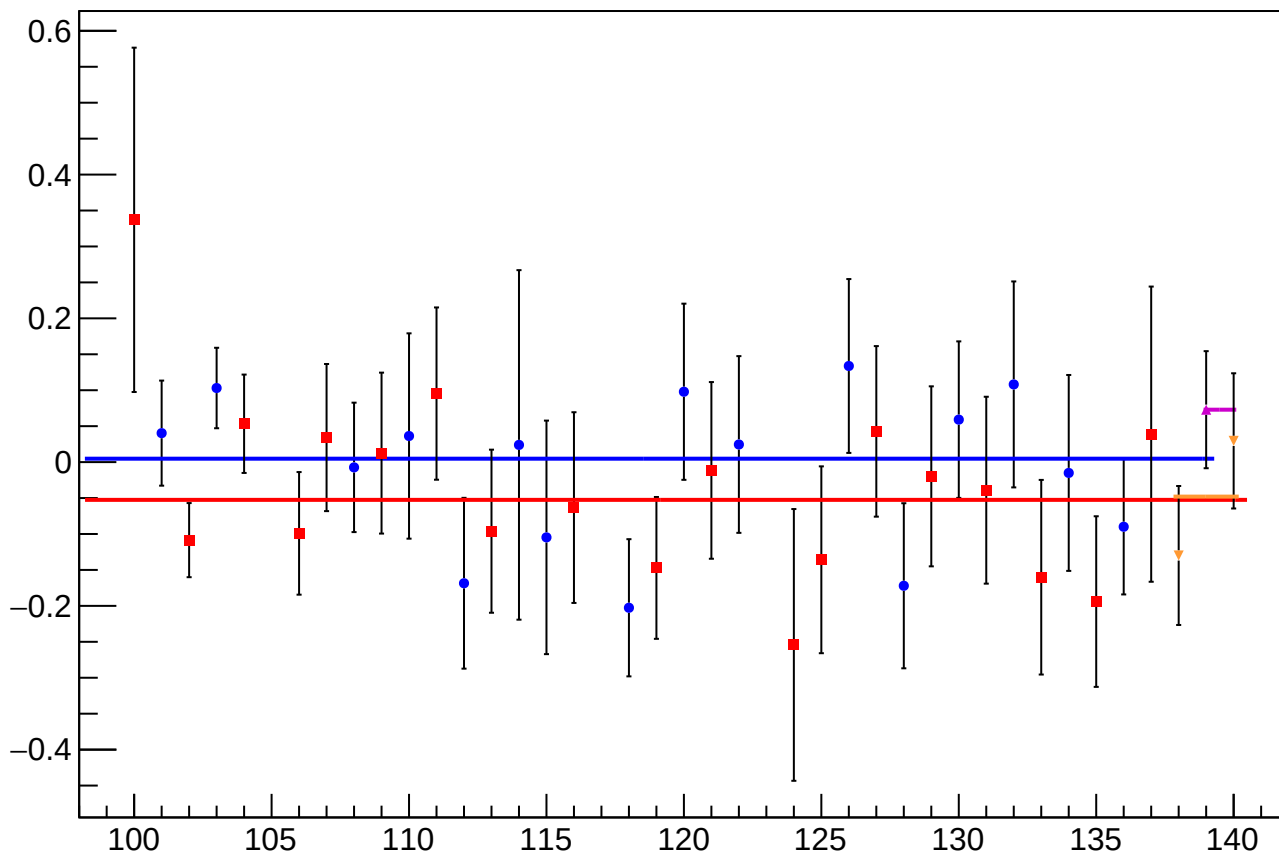
Left In: 73.306 ± 0.058 χ^2/NDF : 0.0/0

+ sign 69.011 ± 0.017 χ^2/NDF : 937198.1/17

All: 66.028 ± 0.012 χ^2/NDF : 2142348.4/37

- sign 63.304 ± 0.016 χ^2/NDF : 1146884.1/19

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.026 $\chi^2/\text{NDF}: 16.6/15$

Left Out: -0.048 ± 0.067 $\chi^2/\text{NDF}: 1.4/1$

Right Out: -0.053 ± 0.024 $\chi^2/\text{NDF}: 14.8/18$

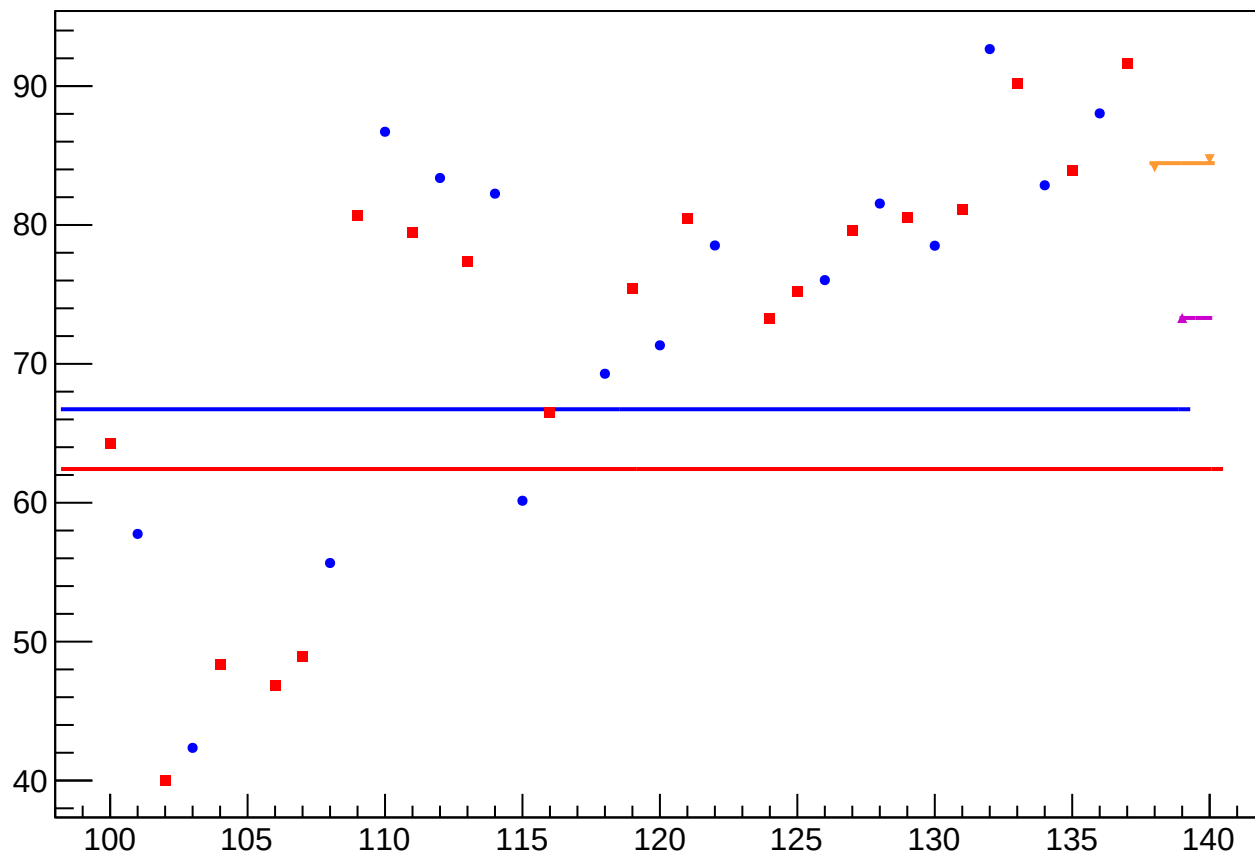
Left In: 0.073 ± 0.081 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.002 ± 0.024 $\chi^2/\text{NDF}: 18.5/17$

All: -0.023 ± 0.017 $\chi^2/\text{NDF}: 37.0/37$

- sign -0.042 ± 0.023 $\chi^2/\text{NDF}: 17.0/19$

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 66.732 $\pm$ 0.018 χ^2 /NDF: 816752.6/15

Left Out: 84.451 $\pm$ 0.048 χ^2 /NDF: 37.6/1

Right Out: 62.429 $\pm$ 0.017 χ^2 /NDF: 1114078.0/18

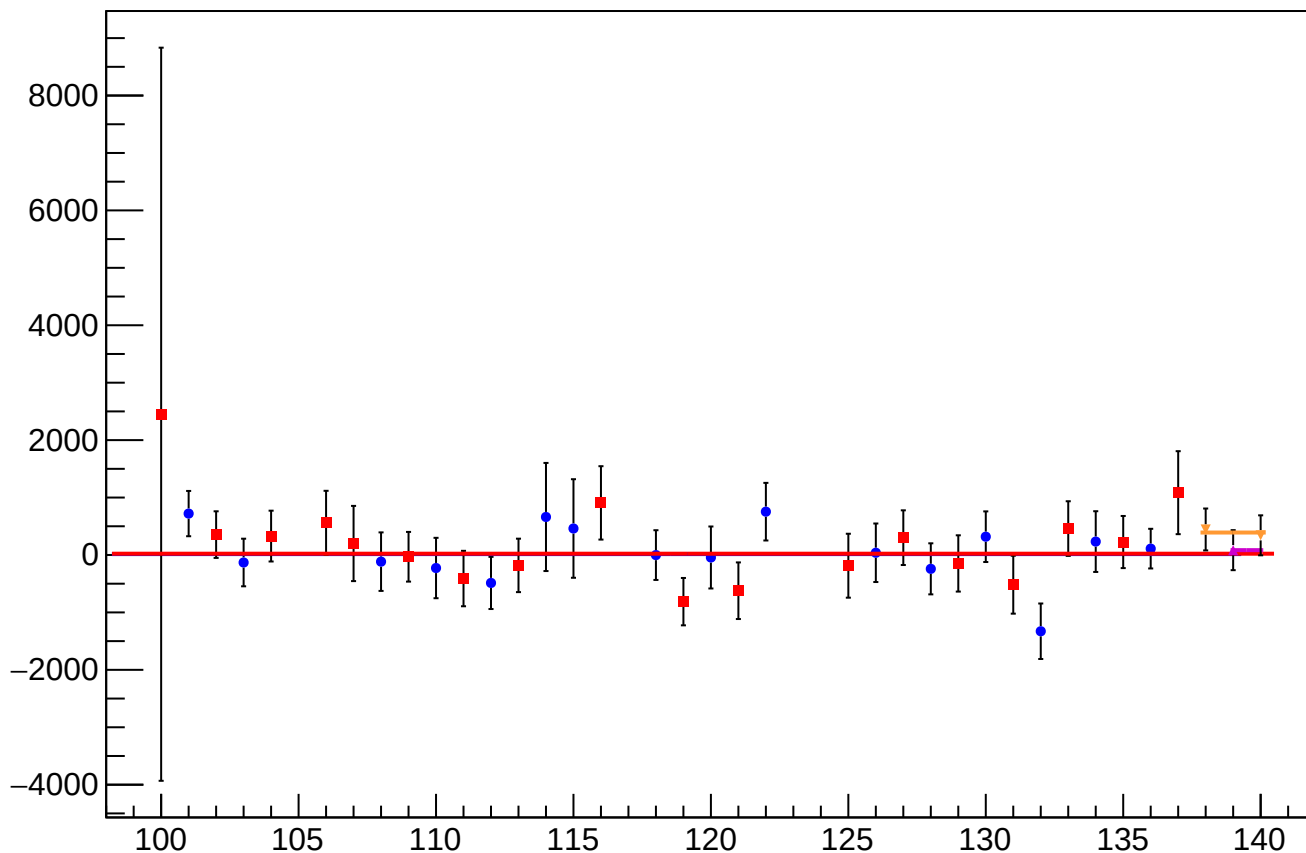
Left In: 73.306 $\pm$ 0.058 χ^2 /NDF: 0.0/0

+ sign 69.011 $\pm$ 0.017 χ^2 /NDF: 937198.1/17

All: 66.028 $\pm$ 0.012 χ^2 /NDF: 2142348.4/37

- sign 63.304 $\pm$ 0.016 χ^2 /NDF: 1146884.1/19

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF : 16.5/15

Left Out: 390.882+/-251.814 χ^2/NDF : 0.0/1

Right Out: 22.145+/-119.211 χ^2/NDF : 16.0/17

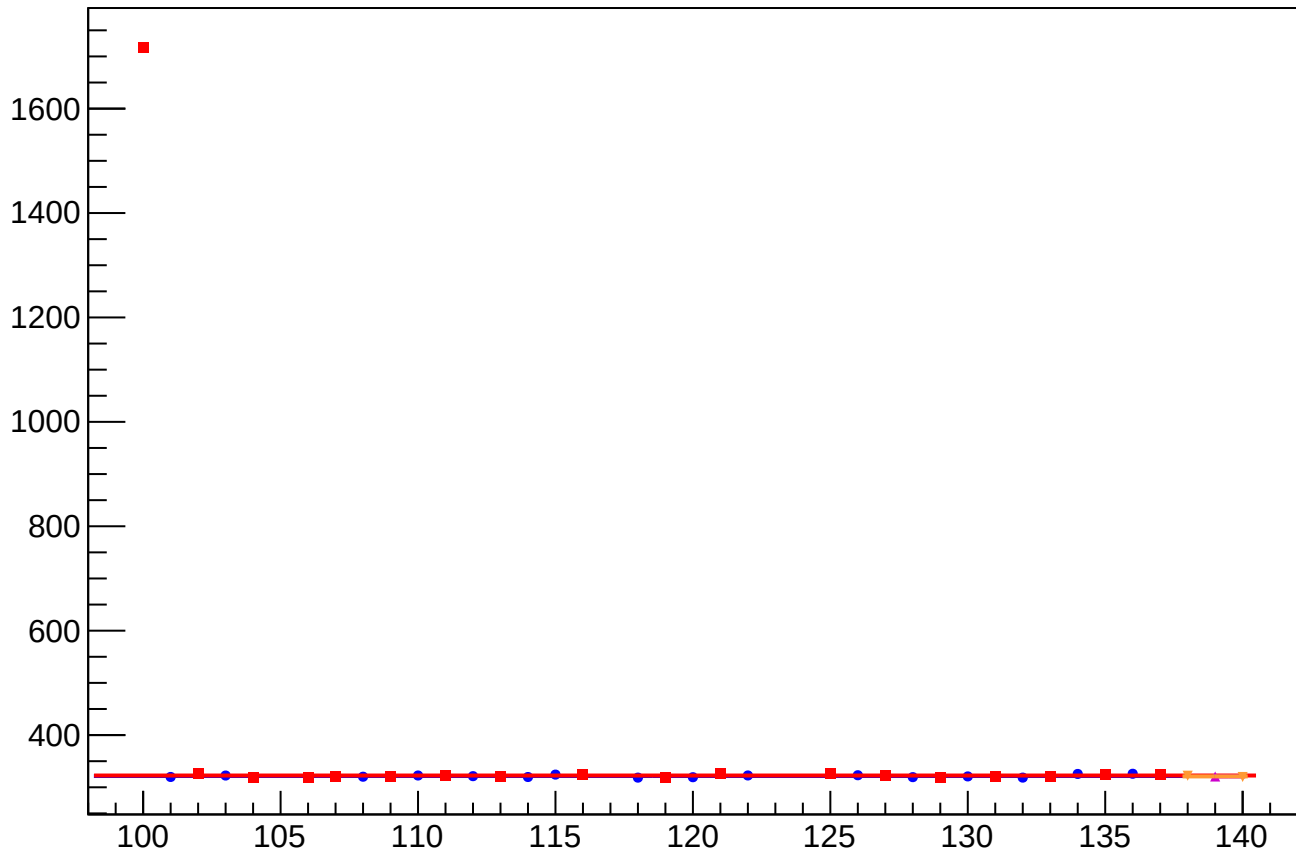
Left In: 84.076+/-348.551 χ^2/NDF : 0.0/0

+ sign 84.448+/-107.909 χ^2/NDF : 18.4/17

All: 57.774+/-77.974 χ^2/NDF : 34.5/36

- sign 28.631+/-112.797 χ^2/NDF : 16.0/18

asym_dsl_rms vs Slug



Right In: 321.604 $\pm$ 0.084 χ^2 /NDF: 822.9/15

Left Out: 320.870 $\pm$ 0.178 χ^2 /NDF:46.1/1

Right Out: 322.553 $\pm$ 0.084 χ^2 /NDF: 96891.9/17

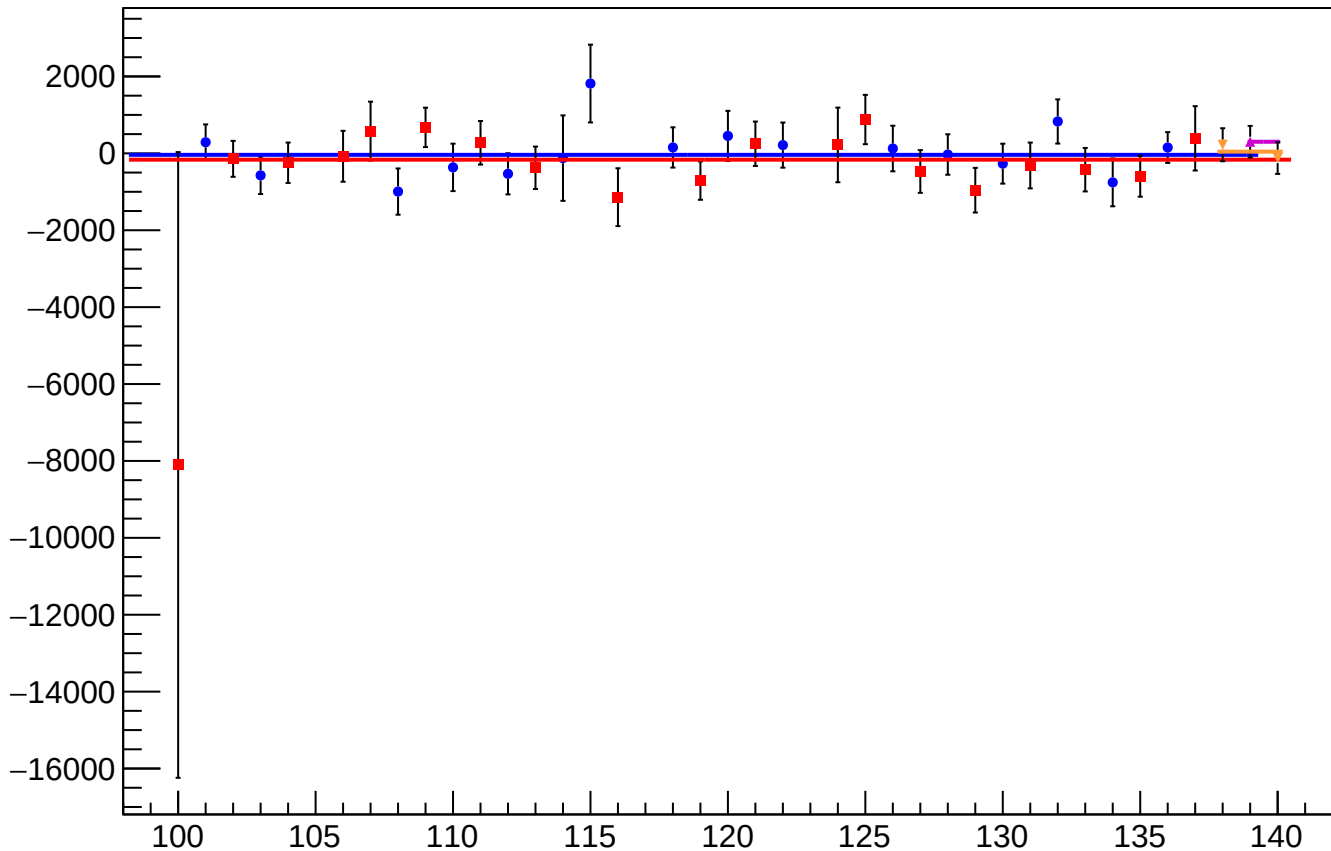
Left In: 320.703 $\pm$ 0.246 χ^2 /NDF:0.0/0

+ sign 321.469 $\pm$ 0.076 χ^2 /NDF: 882.8/17

All: 321.894 $\pm$ 0.055 χ^2 /NDF: 97890.1/36

- sign 322.359 $\pm$ 0.080 χ^2 /NDF: 96942.3/18

asym_dsr_mean vs Slug



Right In: -38.914 ± 140.720 χ^2/NDF : 13.7/15

Left Out: 44.462 ± 297.424 χ^2/NDF : 0.3/1

Right Out: -164.639 ± 138.962 χ^2/NDF : 15.1/18

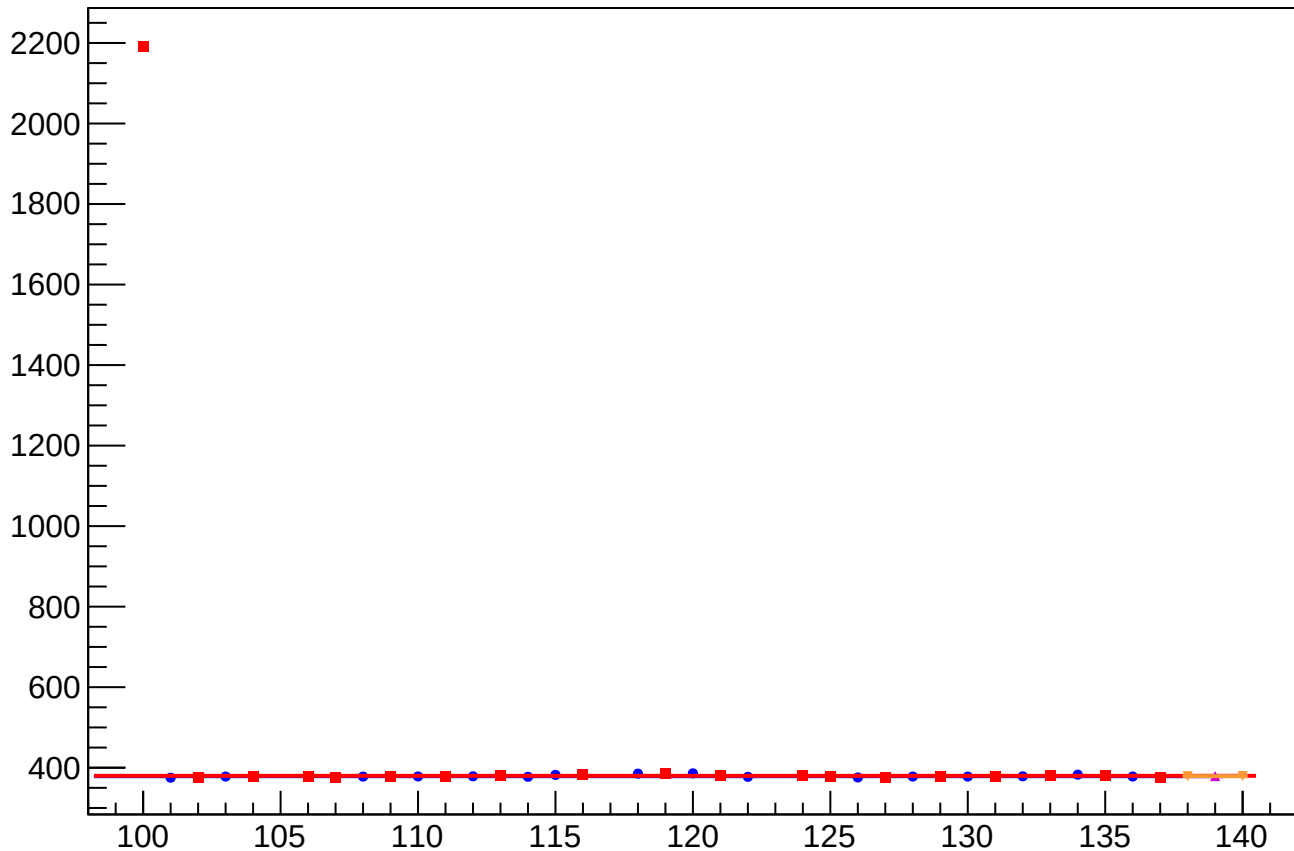
Left In: 301.475 ± 412.226 χ^2/NDF : 0.0/0

+ sign -23.664 ± 127.201 χ^2/NDF : 14.1/17

All: -68.754 ± 91.488 χ^2/NDF : 30.6/37

- sign -117.076 ± 131.682 χ^2/NDF : 16.3/19

asym_dsr_rms vs Slug



Right In: 378.910 $\pm$ 0.100 χ^2 /NDF: 851.2/15

Left Out: 378.975 $\pm$ 0.210 χ^2 /NDF: 0.4/1

Right Out: 379.878 $\pm$ 0.098 χ^2 /NDF: 99621.5/18

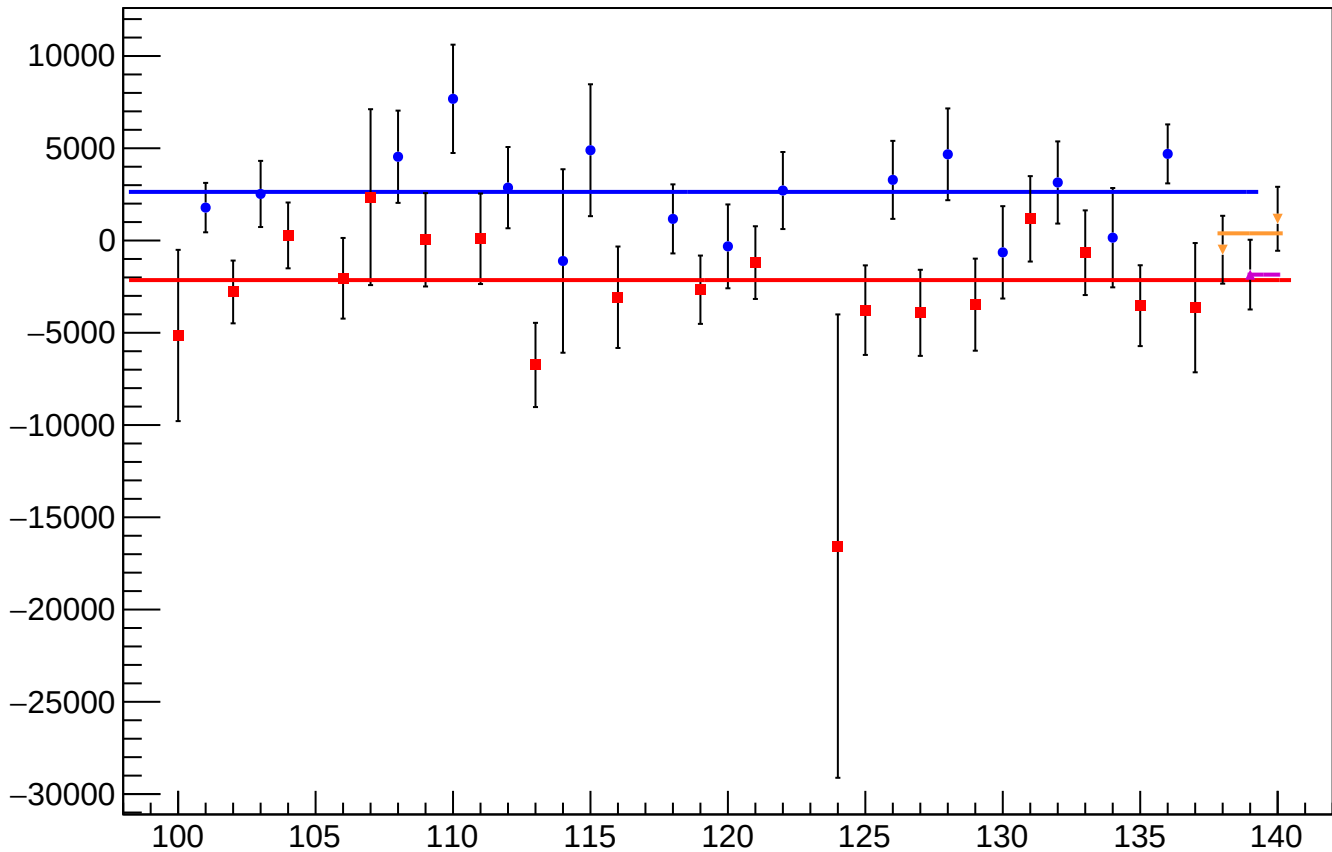
Left In: 379.277 $\pm$ 0.291 χ^2 /NDF: 0.0/0

+ sign 378.922 $\pm$ 0.090 χ^2 /NDF: 851.7/17

All: 379.354 $\pm$ 0.065 χ^2 /NDF: 100524.7/37

- sign 379.817 $\pm$ 0.093 χ^2 /NDF: 99625.3/19

asym_us_agg_avg_mean vs Slug



Right In: 2635.397 $\pm$ 538.034 χ^2 /NDF: 12.3/15

Left Out: 389.274 $\pm$ 1261.201 χ^2 /NDF: 0.4/1

Right Out: -2144.569 $\pm$ 546.963 χ^2 /NDF: 15.0/18

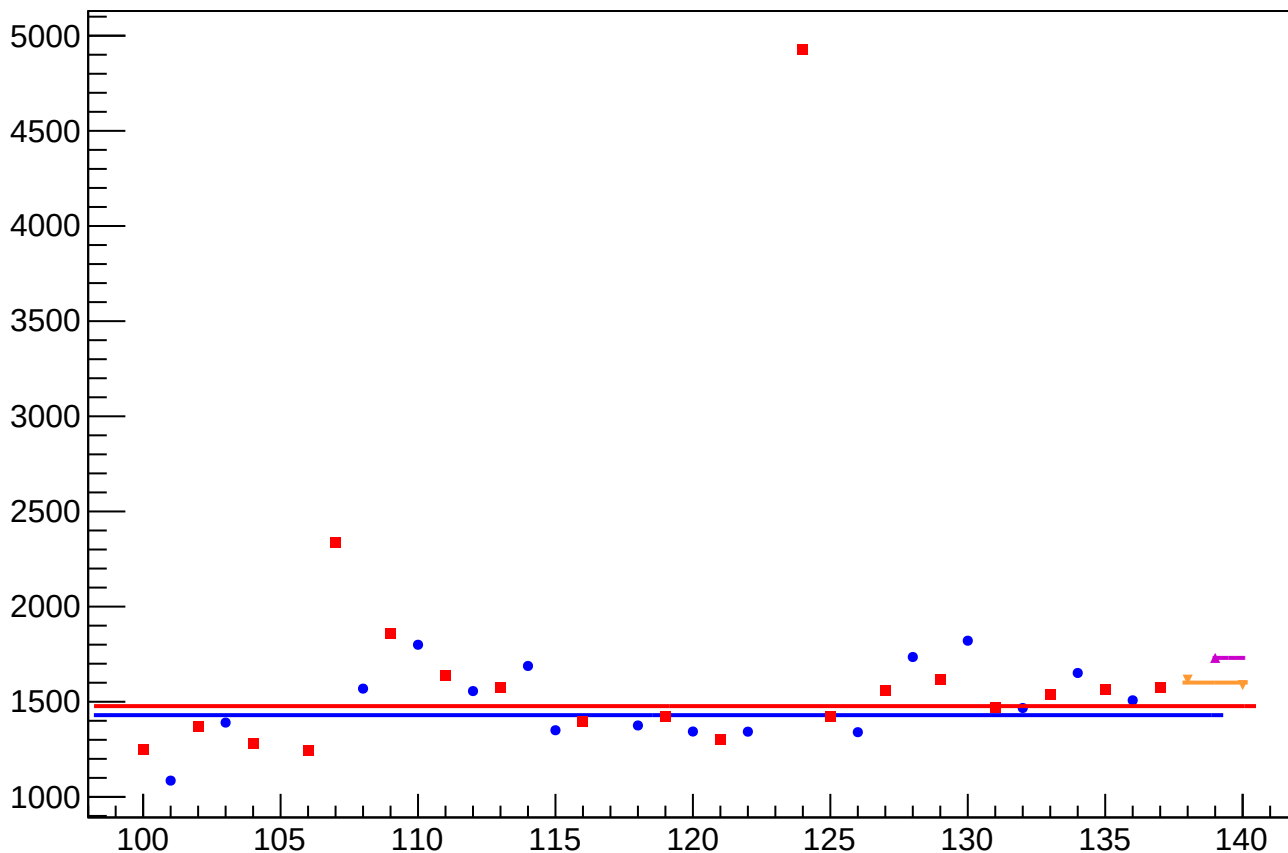
Left In: -1847.980 $\pm$ 1889.463 χ^2 /NDF: 0.0/0

+ sign 2289.561 $\pm$ 494.883 χ^2 /NDF: 15.4/17

All: 215.752 $\pm$ 360.238 χ^2 /NDF: 67.8/37

- sign -2121.637 $\pm$ 525.392 χ^2 /NDF: 15.1/19

asym_us_agg_avg_rms vs Slug



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

Left Out: 1600.752+/-0.892 χ^2/NDF : 262.0/1

Right Out: 1477.126+/-0.387 χ^2/NDF : 369430.6/18

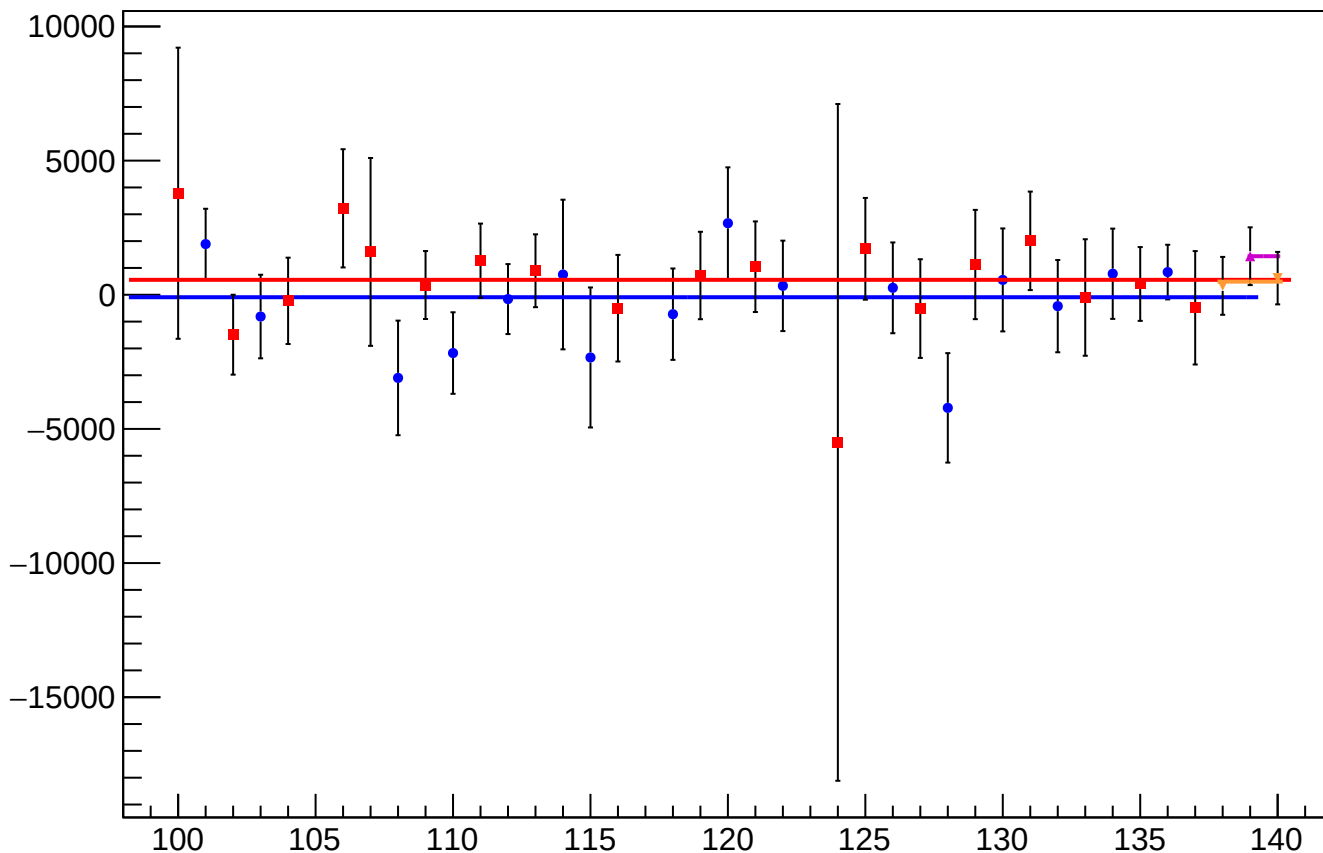
Left In: 1730.542+/-1.336 χ^2/NDF : 0.0/0

+ sign 1455.998+/-0.350 χ^2/NDF : 324791.8/17

All: 1475.142+/-0.255 χ^2/NDF : 733784.0/37

- sign 1496.720+/-0.372 χ^2/NDF : 402625.7/19

asym_us_agg_dd_mean vs Slug



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

Left Out: 490.305 ± 724.511 χ^2/NDF : 0.0/1

Right Out: 556.840 ± 411.346 χ^2/NDF : 6.8/18

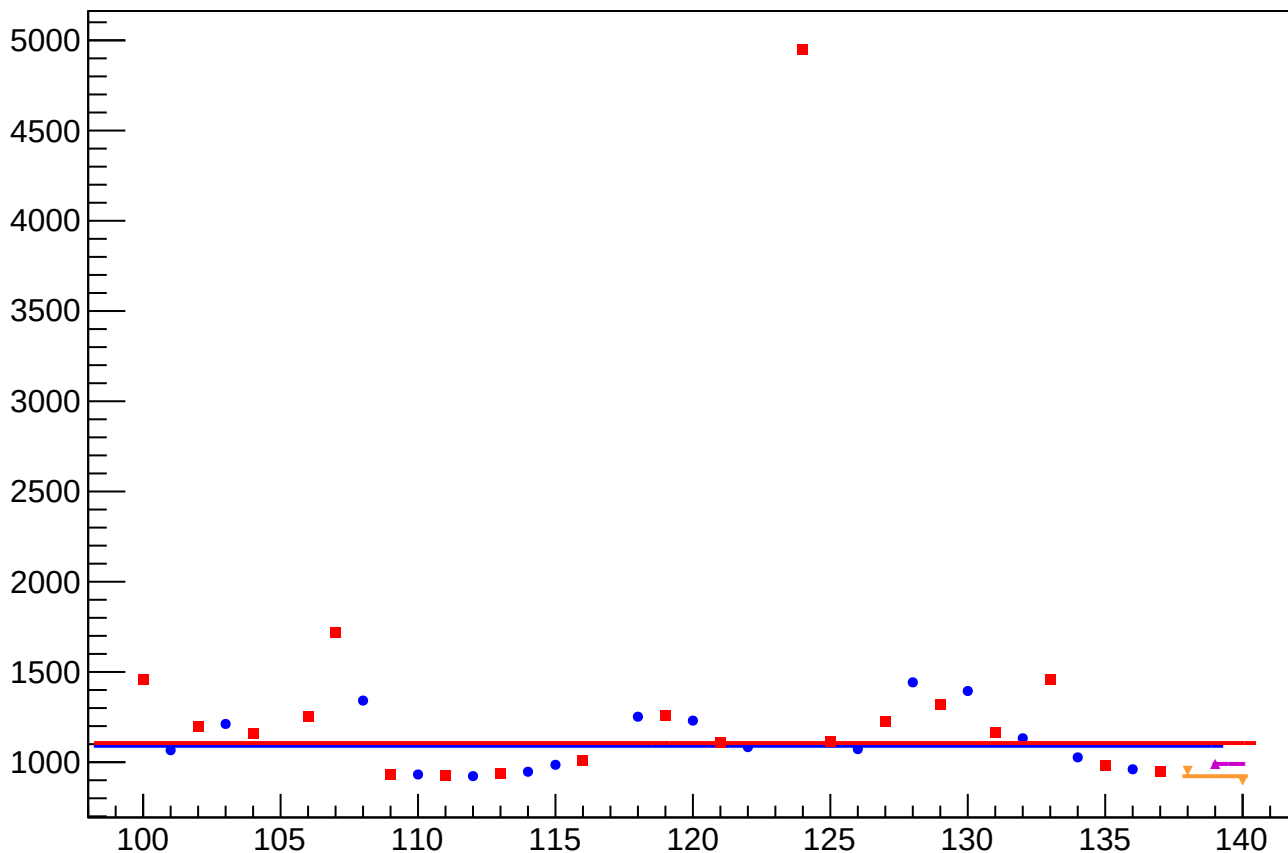
Left In: 1437.521 ± 1076.494 χ^2/NDF : 0.0/0

+ sign 49.749 ± 356.798 χ^2/NDF : 15.1/17

All: 336.489 ± 261.461 χ^2/NDF : 23.8/37

- sign 669.047 ± 384.249 χ^2/NDF : 7.3/19

asym_us_agg_dd_rms vs Slug



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

Left Out: 922.221+/-0.512 χ^2/NDF : 2807.5/1

Right Out: 1106.046+/-0.291 χ^2/NDF : 514097.9/18

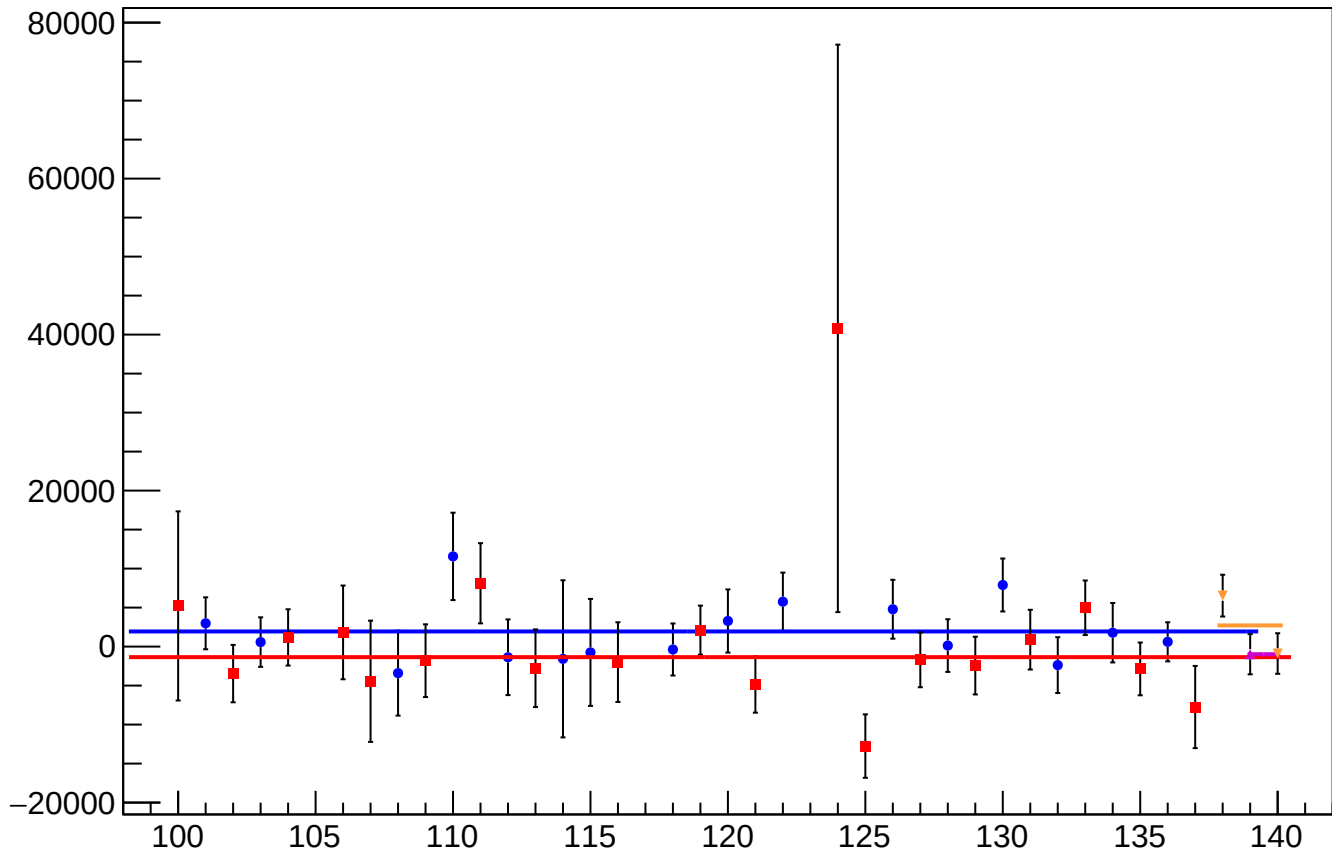
Left In: 990.376+/-0.761 χ^2/NDF : 0.0/0

+ sign 1050.098+/-0.252 χ^2/NDF : 362366.2/17

All: 1069.179+/-0.185 χ^2/NDF : 908967.0/37

- sign 1091.309+/-0.272 χ^2/NDF : 534247.3/19

reg_asym_atl1_mean vs Slug



Right In: 1939.656 $\pm$ 952.537 χ^2 /NDF: 12.2/15

Left Out: 2714.077 $\pm$ 1864.759 χ^2 /NDF: 4.0/1

Right Out: -1353.428 $\pm$ 985.119 χ^2 /NDF: 21.8/18

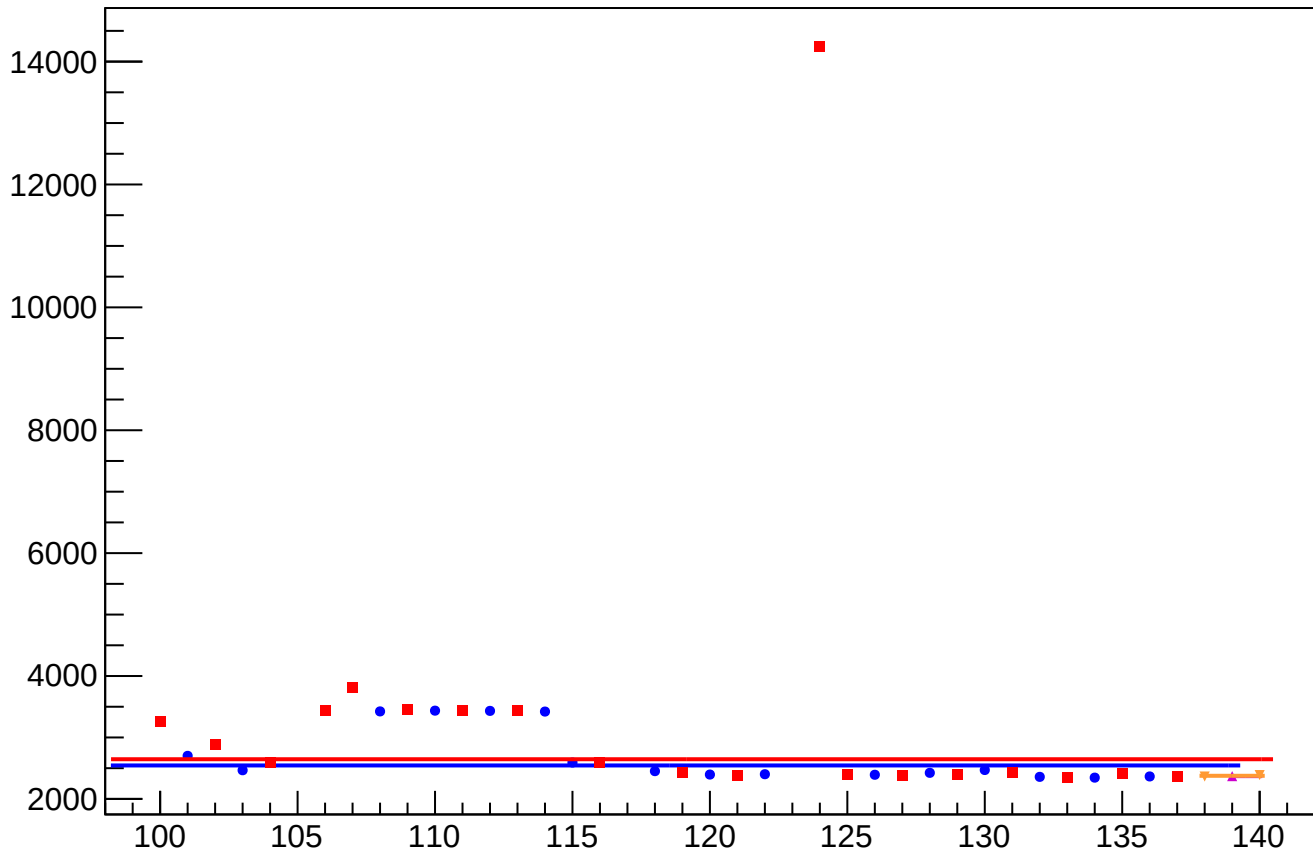
Left In: -978.490 $\pm$ 2576.452 χ^2 /NDF: 0.0/0

+ sign 2099.909 $\pm$ 848.276 χ^2 /NDF: 16.3/17

All: 535.338 $\pm$ 623.686 χ^2 /NDF: 45.6/37

- sign -1305.605 $\pm$ 920.152 χ^2 /NDF: 21.8/19

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF : 78.7/1

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

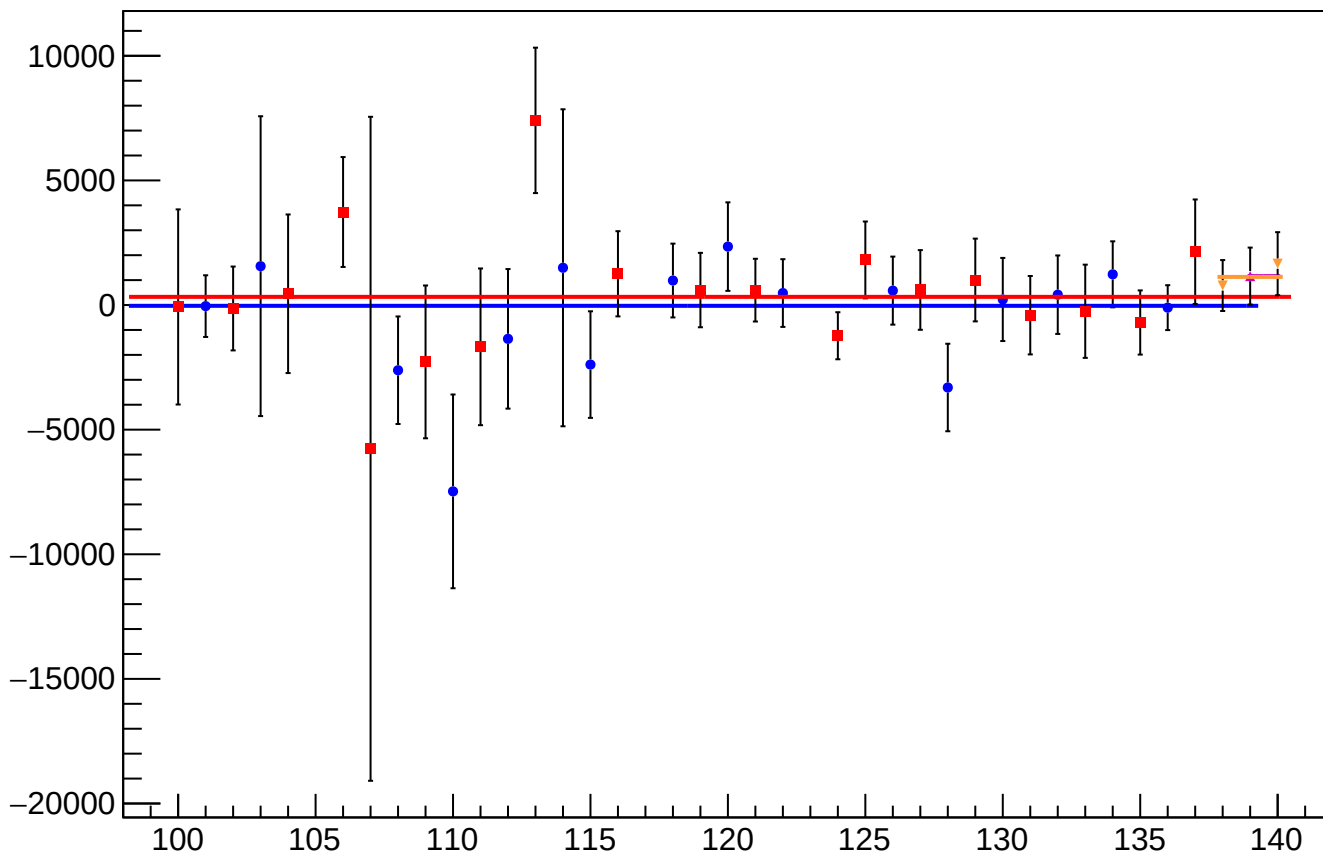
Left In: 2370.478+/-1.822 χ^2/NDF : 0.0/0

+ sign 2509.594+/-0.600 χ^2/NDF : 238608.8/17

All: 2555.975+/-0.441 χ^2/NDF : 808491.7/37

- sign 2610.549+/-0.651 χ^2/NDF : 556868.5/19

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191 ± 405.726 χ^2/NDF : 13.8/15

Left Out: 1128.649 ± 794.729 χ^2/NDF : 0.3/1

Right Out: 328.475 ± 398.568 χ^2/NDF : 15.6/18

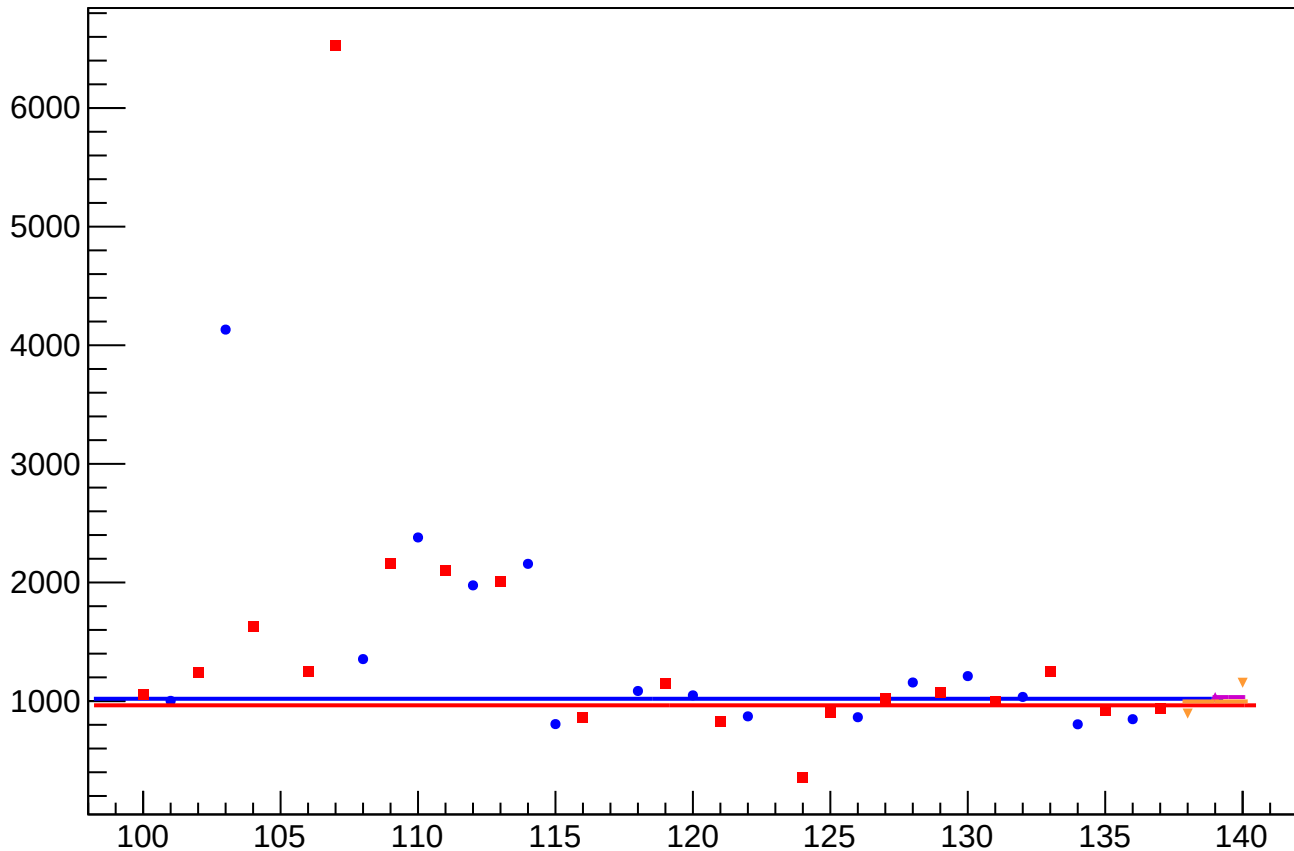
Left In: 1161.695 ± 1142.794 χ^2/NDF : 0.0/0

+ sign 208.602 ± 361.359 χ^2/NDF : 15.8/17

All: 309.452 ± 260.653 χ^2/NDF : 32.0/37

- sign 418.835 ± 376.336 χ^2/NDF : 16.1/19

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF : 1364745.9/15

Left Out: 997.233+/-0.562 χ^2/NDF : 51112.5/1

Right Out: 964.379+/-0.282 χ^2/NDF : 2309359.3/18

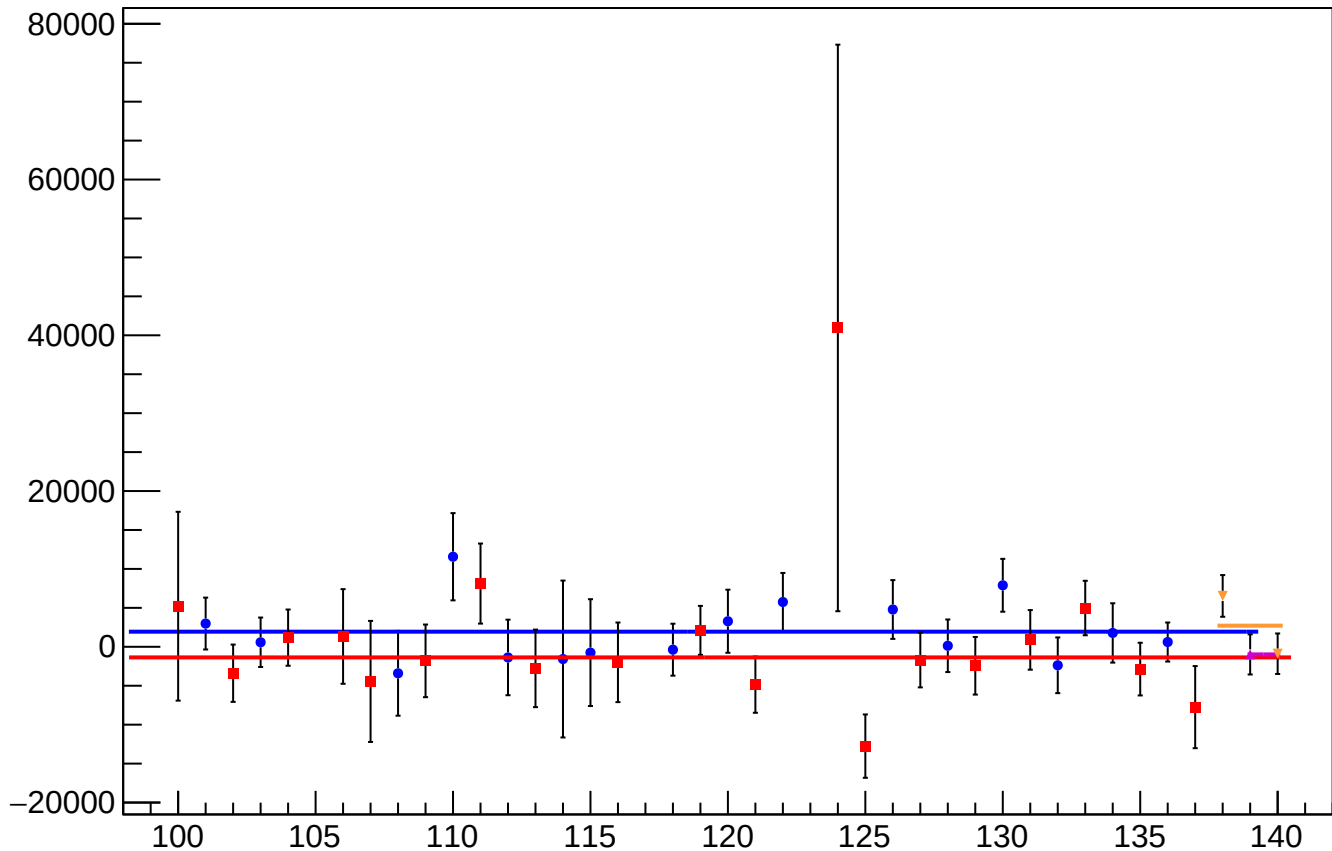
Left In: 1033.828+/-0.808 χ^2/NDF : 0.0/0

+ sign 1014.914+/-0.256 χ^2/NDF : 1417106.4/17

All: 994.285+/-0.184 χ^2/NDF : 3746638.7/37

- sign 971.910+/-0.266 χ^2/NDF : 2315944.6/19

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF : 12.2/15

Left Out: 2714.089+/-1864.759 χ^2/NDF : 4.0/1

Right Out: -1363.089+/-985.420 χ^2/NDF : 21.7/18

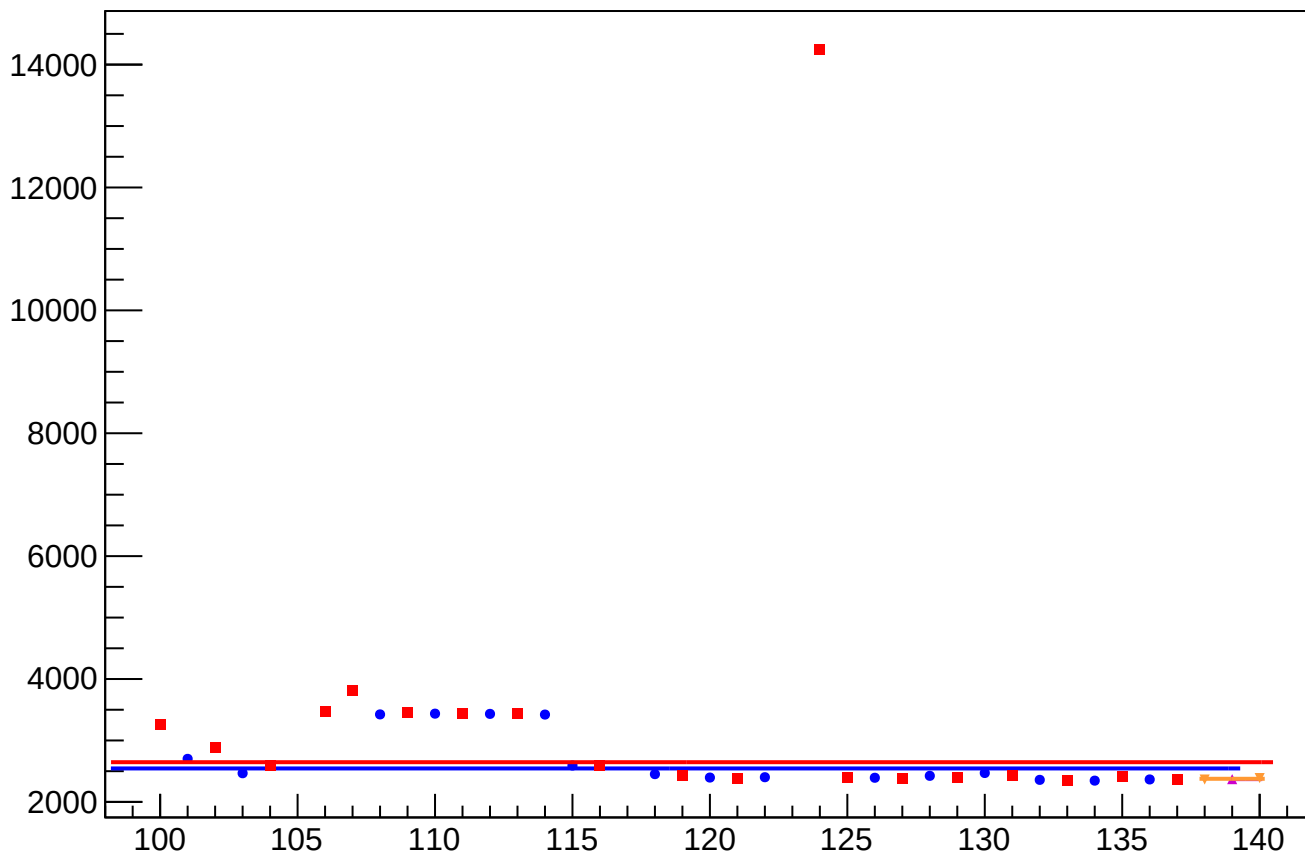
Left In: -978.958+/-2576.452 χ^2/NDF : 0.0/0

+ sign 2100.188+/-848.276 χ^2/NDF : 16.3/17

All: 532.052+/-623.762 χ^2/NDF : 45.5/37

- sign -1314.068+/-920.397 χ^2/NDF : 21.7/19

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF : 78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF : 539546.8/18

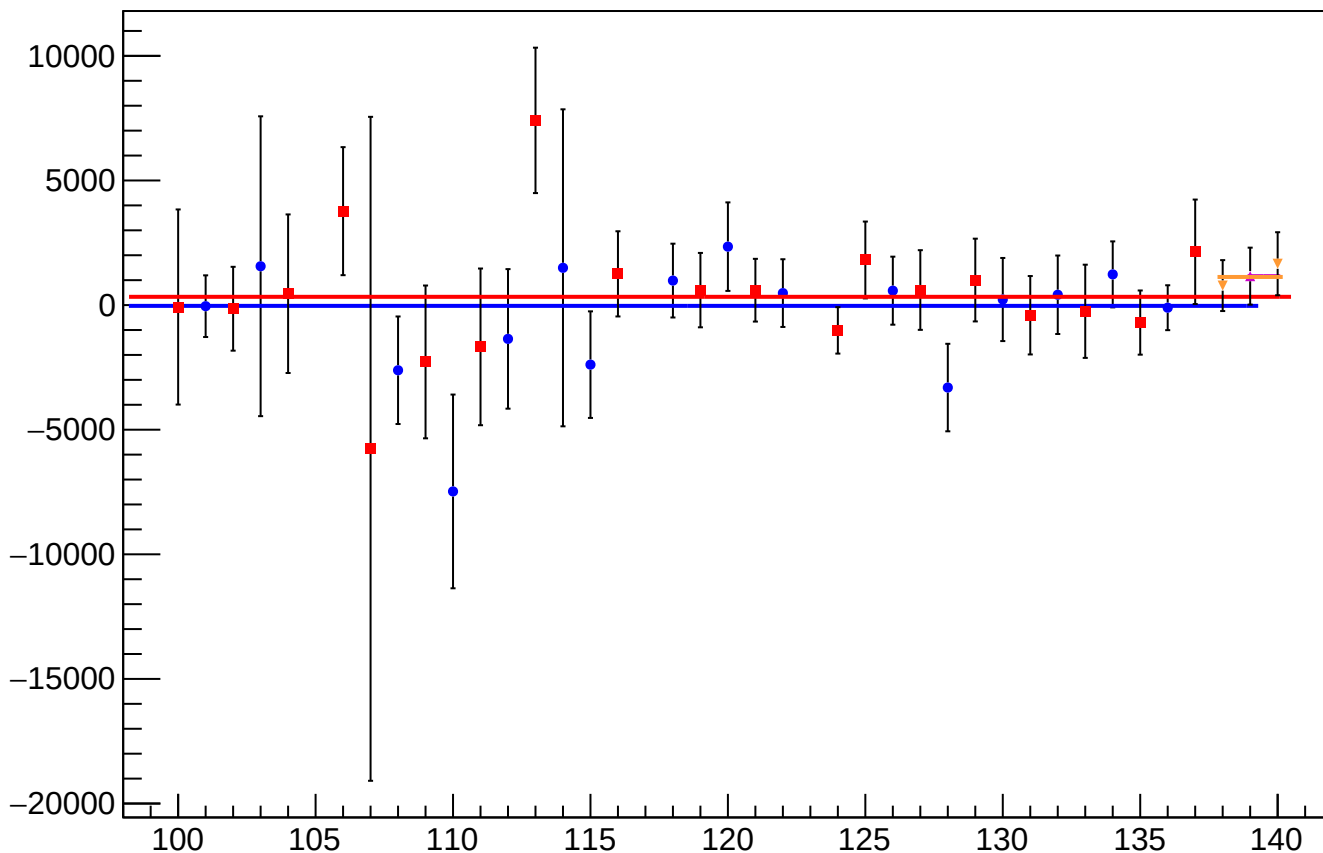
Left In: 2370.478+/-1.822 χ^2/NDF : 0.0/0

+ sign 2509.595+/-0.600 χ^2/NDF : 238608.8/17

All: 2556.176+/-0.441 χ^2/NDF : 811269.1/37

- sign 2611.016+/-0.651 χ^2/NDF : 559529.1/19

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 χ^2/NDF : 13.8/15

Left Out: 1128.678 ± 794.733 χ^2/NDF : 0.3/1

Right Out: 331.962 ± 399.334 χ^2/NDF : 14.4/18

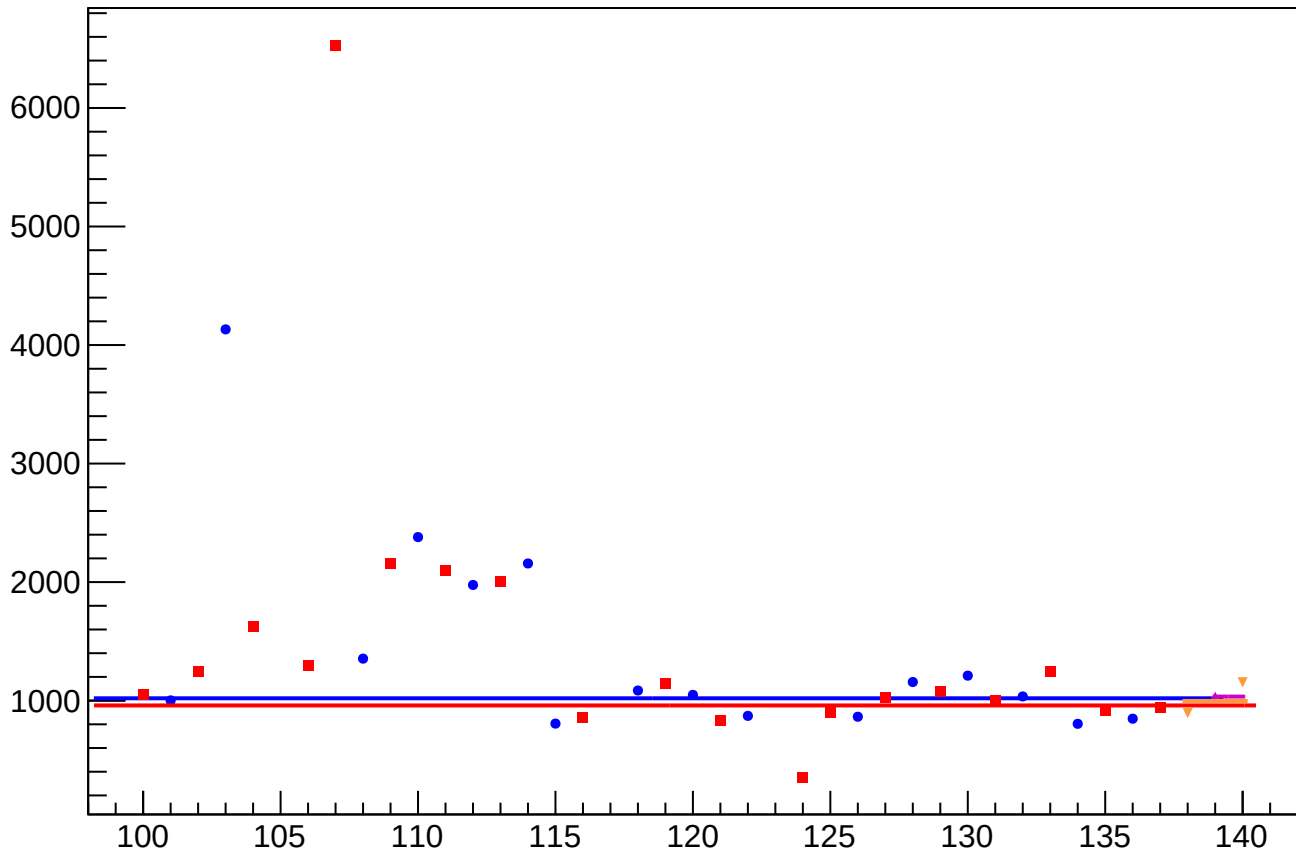
Left In: 1161.818 ± 1142.794 χ^2/NDF : 0.0/0

+ sign 208.555 ± 361.357 χ^2/NDF : 15.8/17

All: 310.890 ± 260.867 χ^2/NDF : 30.8/37

- sign 422.266 ± 376.981 χ^2/NDF : 14.9/19

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514 $\pm$ 0.287 χ^2 /NDF: 1364741.0/15

Left Out: 997.240 $\pm$ 0.562 χ^2 /NDF: 51106.3/1

+ sign 1014.909 $\pm$ 0.256 χ^2 /NDF: 1417093.6/17

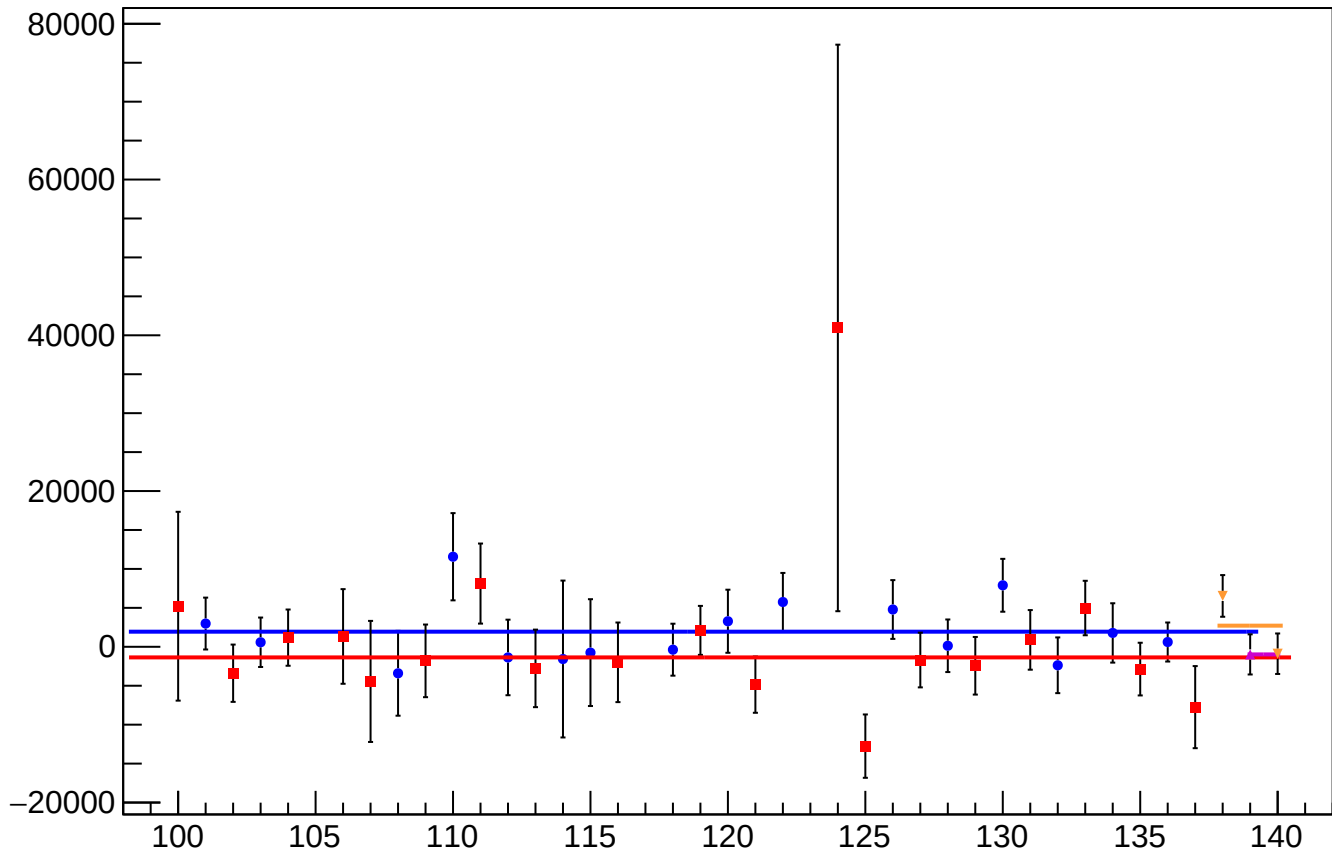
Right Out: 959.344 $\pm$ 0.282 χ^2 /NDF: 2344434.8/18

All: 992.183 $\pm$ 0.184 χ^2 /NDF: 3785619.2/37

- sign 967.449 $\pm$ 0.267 χ^2 /NDF: 2352005.5/19

Left In: 1033.824 $\pm$ 0.808 χ^2 /NDF: 0.0/0

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF : 12.2/15

Left Out: 2714.089+/-1864.759 χ^2/NDF : 4.0/1

Right Out: -1363.089+/-985.420 χ^2/NDF : 21.7/18

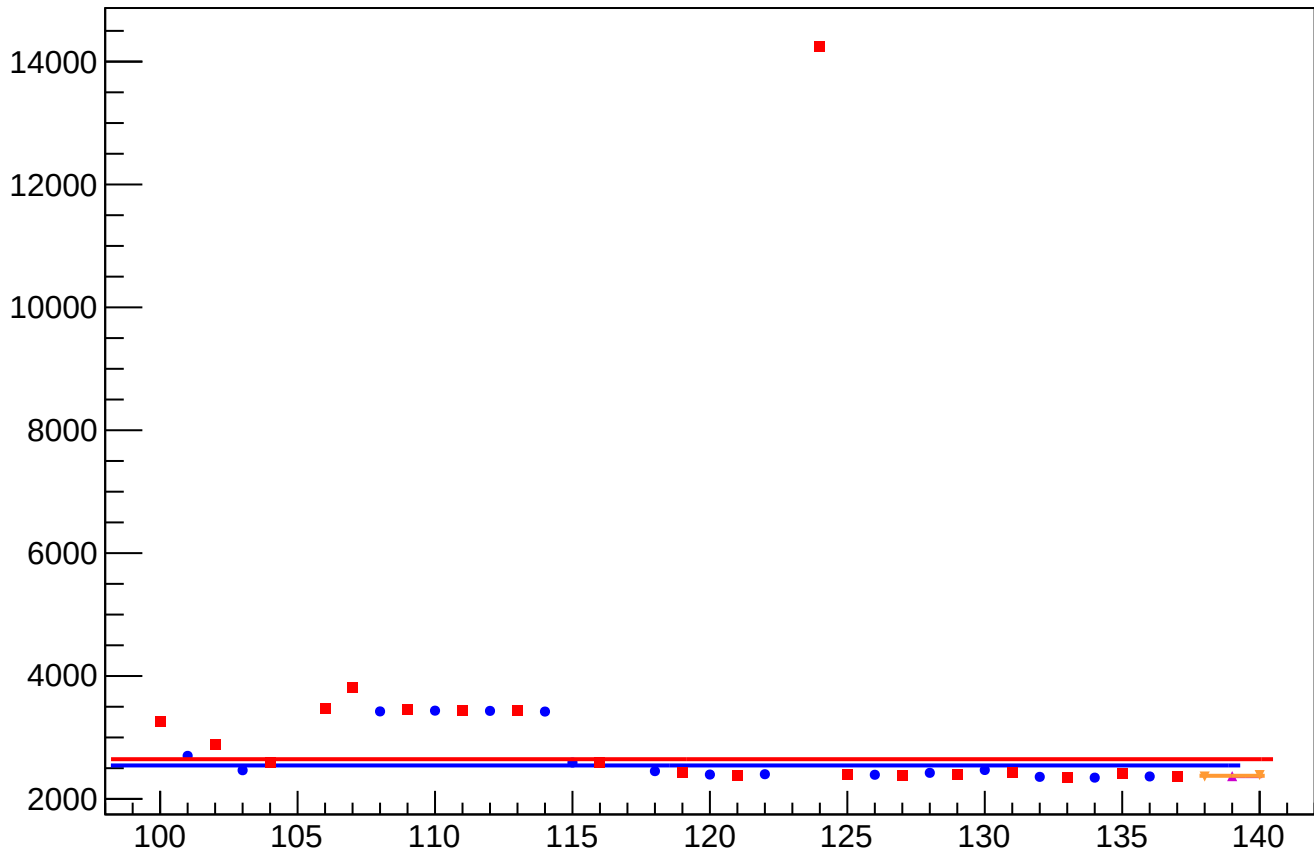
Left In: -978.958+/-2576.452 χ^2/NDF : 0.0/0

+ sign 2100.188+/-848.276 χ^2/NDF : 16.3/17

All: 532.052+/-623.762 χ^2/NDF : 45.5/37

- sign -1314.068+/-920.397 χ^2/NDF : 21.7/19

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF : 78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF : 539546.8/18

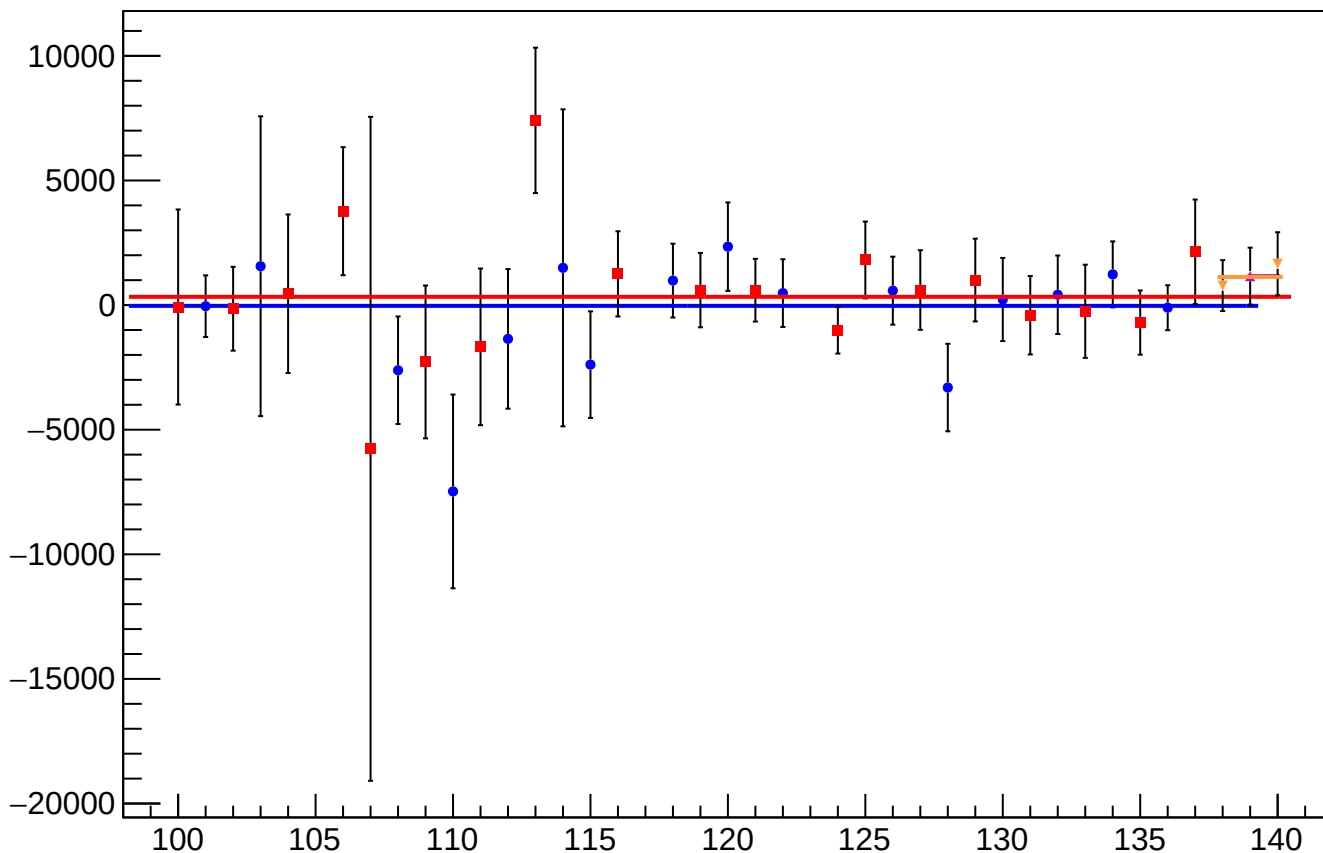
Left In: 2370.478+/-1.822 χ^2/NDF : 0.0/0

+ sign 2509.595+/-0.600 χ^2/NDF : 238608.8/17

All: 2556.176+/-0.441 χ^2/NDF : 811269.1/37

- sign 2611.016+/-0.651 χ^2/NDF : 559529.1/19

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 χ^2/NDF : 13.8/15

Left Out: 1128.678 ± 794.733 χ^2/NDF : 0.3/1

Right Out: 331.962 ± 399.334 χ^2/NDF : 14.4/18

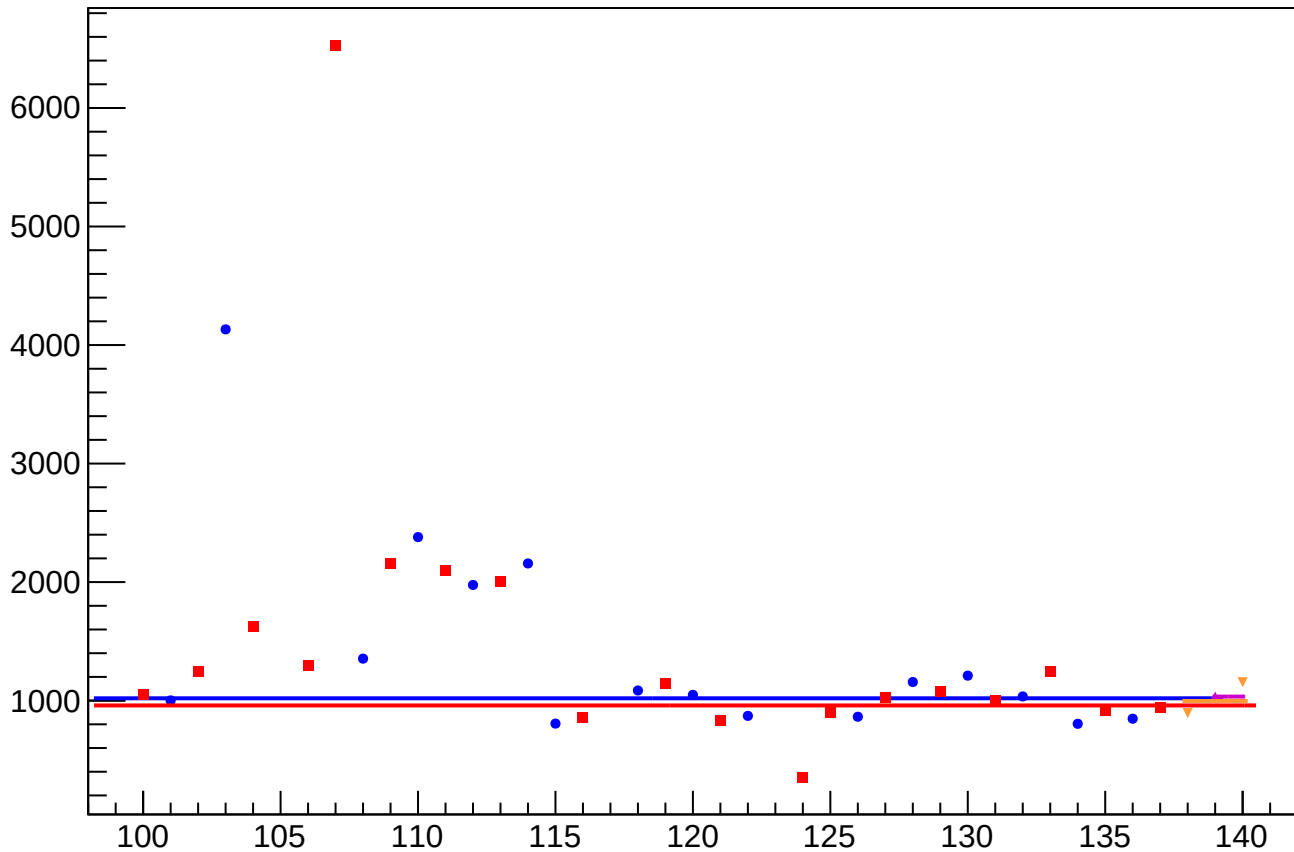
Left In: 1161.818 ± 1142.794 χ^2/NDF : 0.0/0

+ sign 208.555 ± 361.357 χ^2/NDF : 15.8/17

All: 310.890 ± 260.867 χ^2/NDF : 30.8/37

- sign 422.266 ± 376.981 χ^2/NDF : 14.9/19

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514 $\pm$ 0.287 χ^2 /NDF: 1364741.0/15

Left Out: 997.240 $\pm$ 0.562 χ^2 /NDF:51106.3/1

+ sign 1014.909 $\pm$ 0.256 χ^2 /NDF: 1417093.6/17

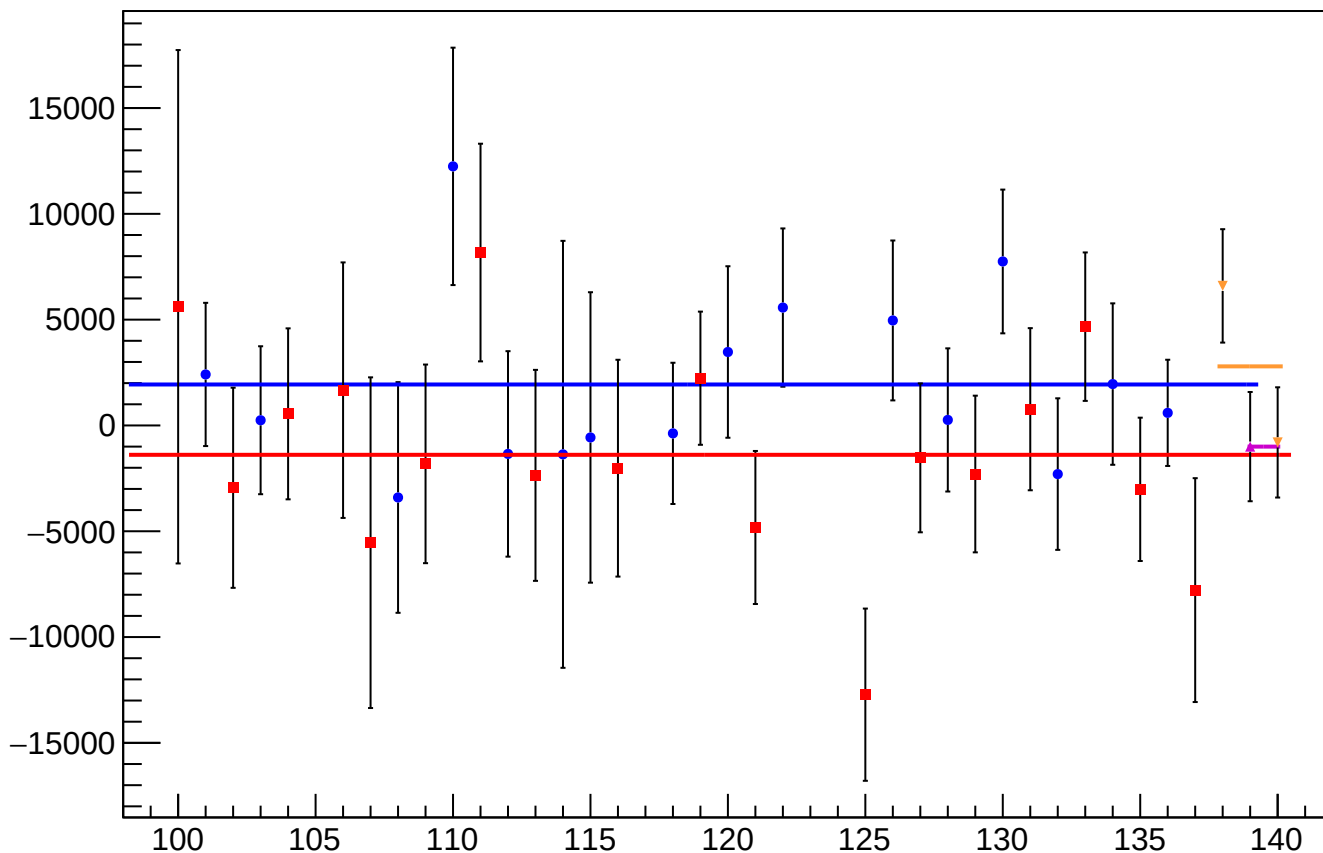
Right Out: 959.344 $\pm$ 0.282 χ^2 /NDF: 2344434.8/18

All: 992.183 $\pm$ 0.184 χ^2 /NDF: 3785619.2/37

- sign 967.449 $\pm$ 0.267 χ^2 /NDF: 2352005.5/19

Left In: 1033.824 $\pm$ 0.808 χ^2 /NDF:0.0/0

dit_asym_atl1_mean vs Slug



Right In: 1935.992 $\pm$ 962.322 χ^2 /NDF: 12.4/15

Left Out: 2791.798 $\pm$ 1867.753 χ^2 /NDF: 3.9/1

Right Out: -1387.548 $\pm$ 1009.105 χ^2 /NDF: 19.8/17

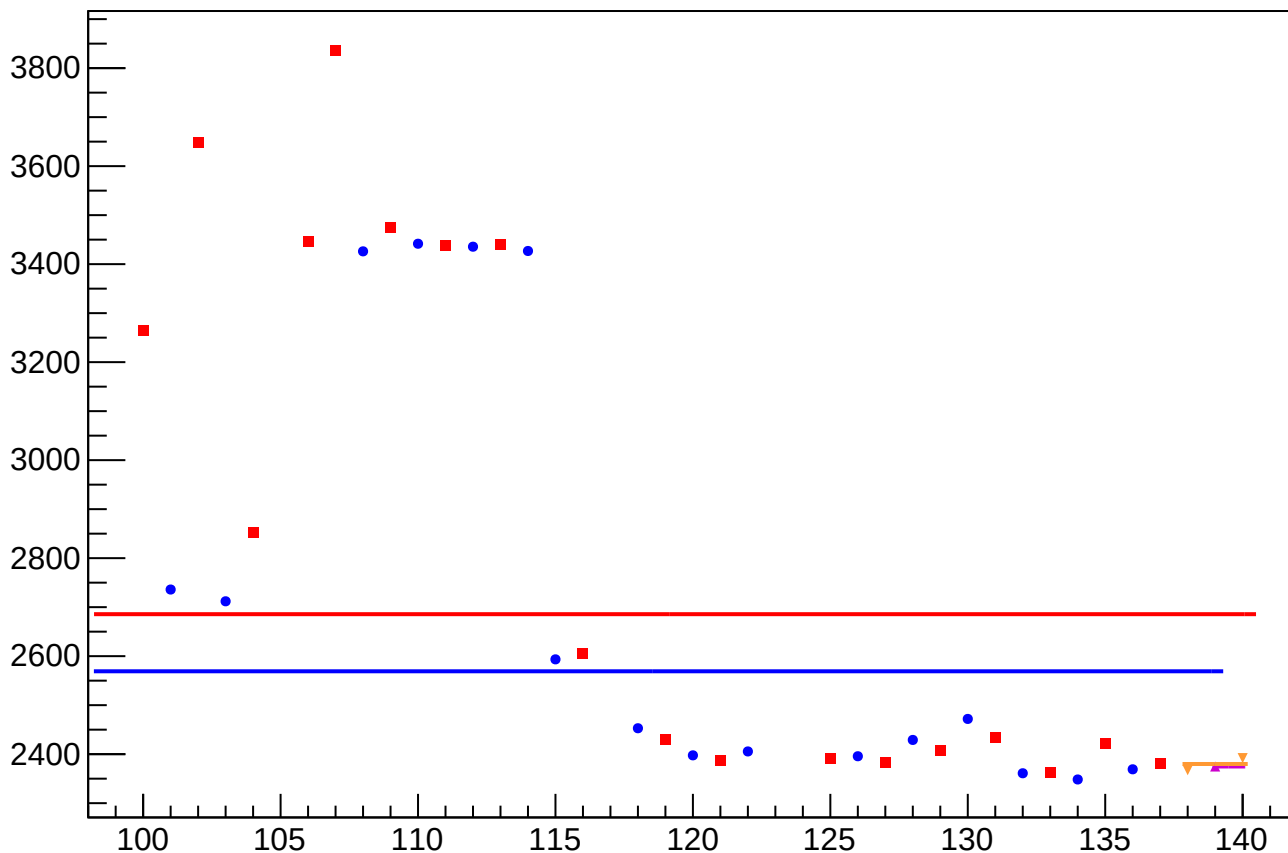
Left In: -1000.091 $\pm$ 2581.391 χ^2 /NDF: 0.0/0

+ sign 2115.518 $\pm$ 855.452 χ^2 /NDF: 16.4/17

All: 551.565 $\pm$ 632.633 χ^2 /NDF: 43.6/36

- sign -1336.187 $\pm$ 939.846 χ^2 /NDF: 19.8/18

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.5/15

Left Out: 2379.945+/-1.321 χ^2/NDF : 87.3/1

Right Out: 2685.675+/-0.714 χ^2/NDF : 419264.8/17

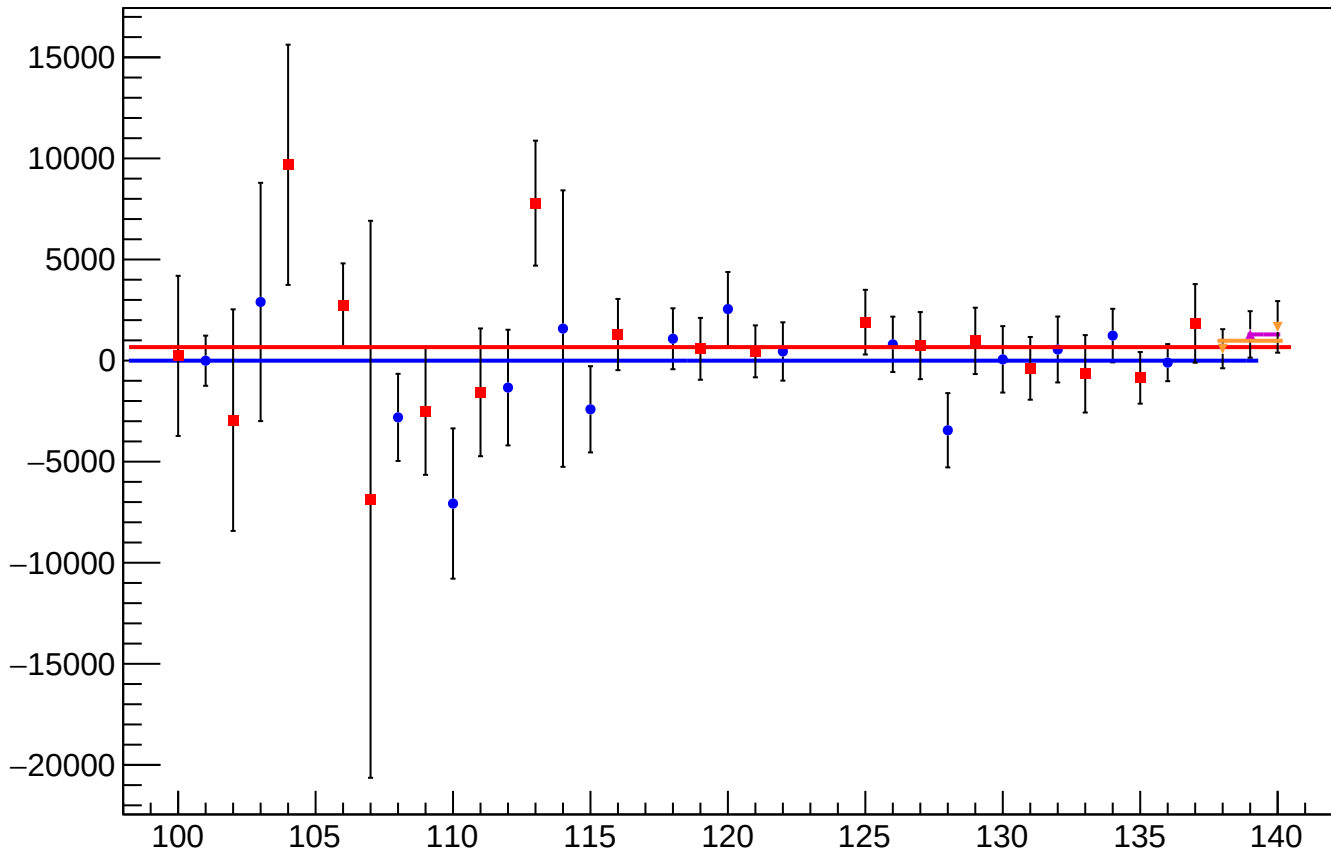
Left In: 2374.862+/-1.825 χ^2/NDF : 0.0/0

+ sign 2529.444+/-0.605 χ^2/NDF : 245789.7/17

All: 2581.563+/-0.447 χ^2/NDF : 706591.0/36

- sign 2644.474+/-0.665 χ^2/NDF : 444416.0/18

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 980.291 ± 770.107 χ^2/NDF : 0.5/1

Right Out: 665.952 ± 460.513 χ^2/NDF : 14.4/17

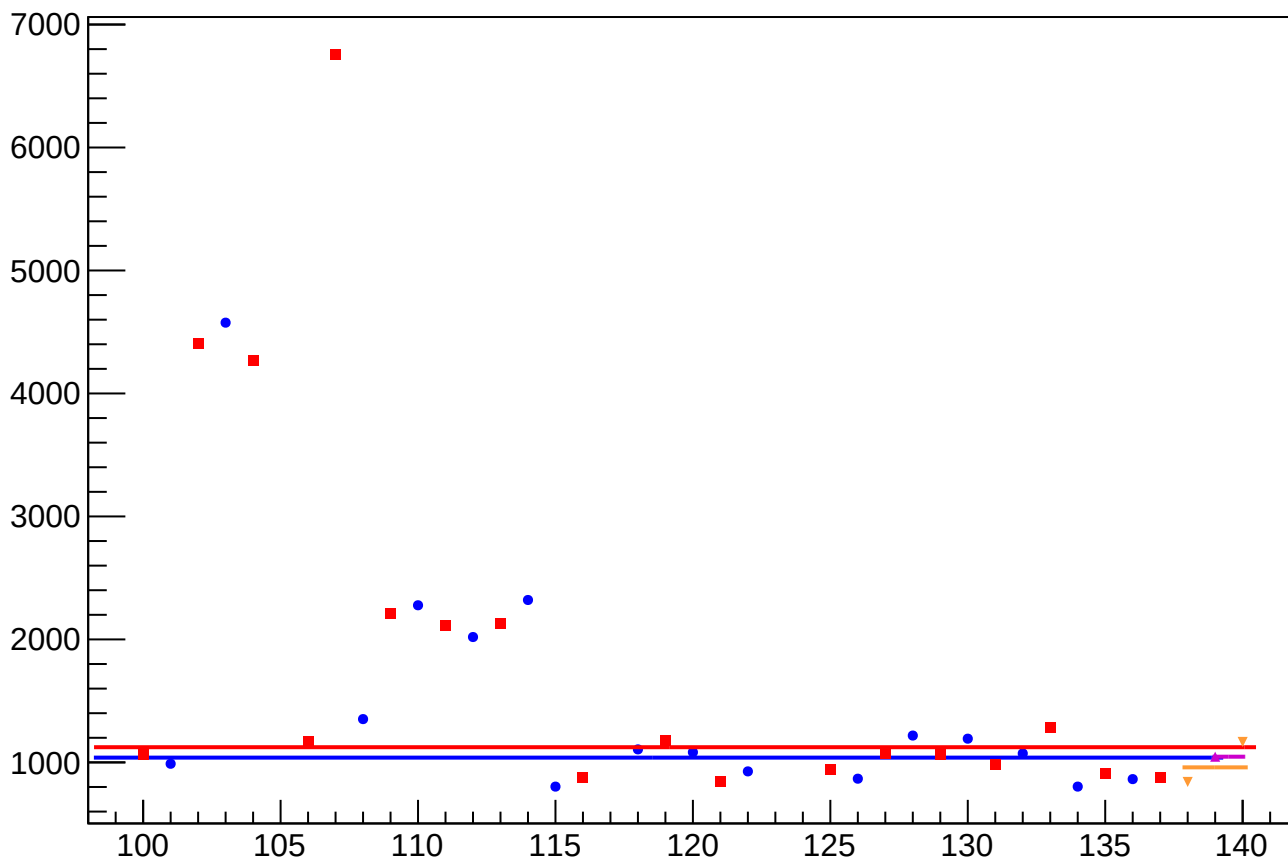
Left In: 1292.468 ± 1150.113 χ^2/NDF : 0.0/0

+ sign 214.325 ± 363.449 χ^2/NDF : 16.2/17

All: 440.114 ± 276.907 χ^2/NDF : 31.8/36

- sign 752.520 ± 427.515 χ^2/NDF : 14.6/18

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF : 1539731.1/15

Left Out: 959.602+/-0.545 χ^2/NDF : 82742.4/1

Right Out: 1123.474+/-0.326 χ^2/NDF : 2535511.7/17

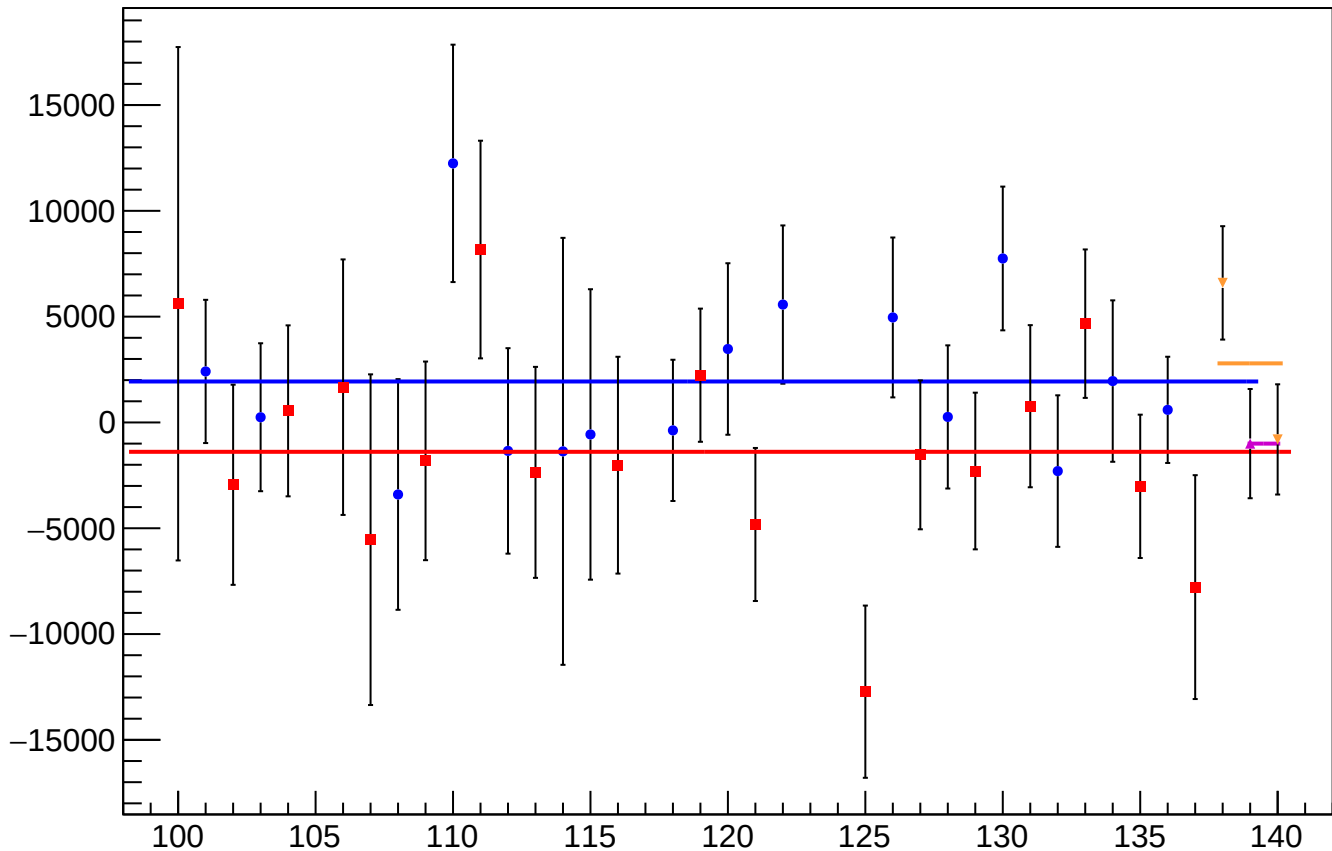
Left In: 1046.308+/-0.813 χ^2/NDF : 0.0/0

+ sign 1021.162+/-0.257 χ^2/NDF : 1638915.5/17

All: 1059.612+/-0.196 χ^2/NDF : 4235540.8/30

- sign 1112.812+/-0.302 χ^2/NDF : 2543271.0/18

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988 $\pm$ 962.322 χ^2 /NDF: 12.4/15

Left Out: 2791.799 $\pm$ 1867.753 χ^2 /NDF: 3.9/1

Right Out: -1387.545 $\pm$ 1009.105 χ^2 /NDF: 19.8/17

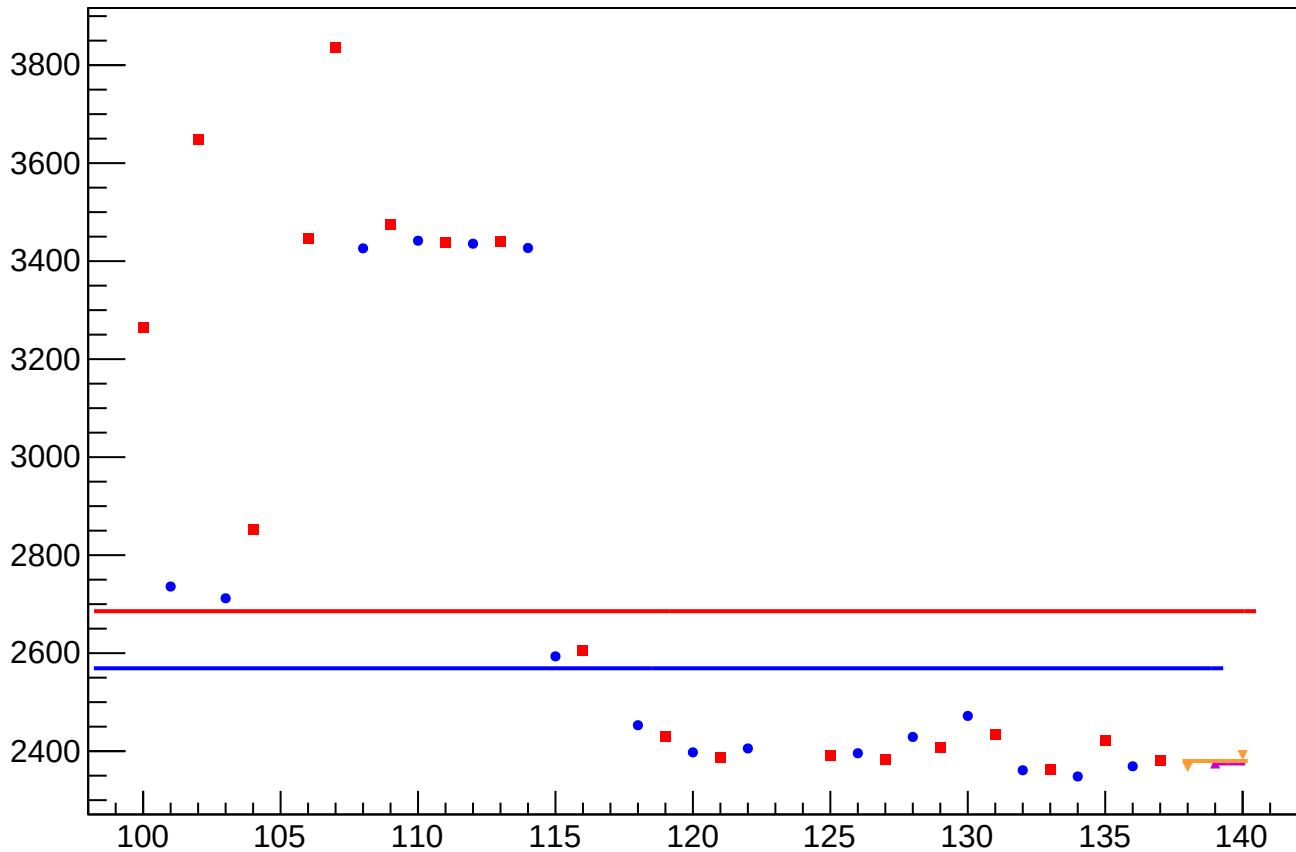
Left In: -1000.091 $\pm$ 2581.391 χ^2 /NDF: 0.0/0

+ sign 2115.516 $\pm$ 855.452 χ^2 /NDF: 16.4/17

All: 551.565 $\pm$ 632.633 χ^2 /NDF: 43.6/36

- sign -1336.185 $\pm$ 939.846 χ^2 /NDF: 19.8/18

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.3/15

Left Out: 2379.945+/-1.321 χ^2/NDF : 87.3/1

Right Out: 2685.674+/-0.714 χ^2/NDF : 419264.2/17

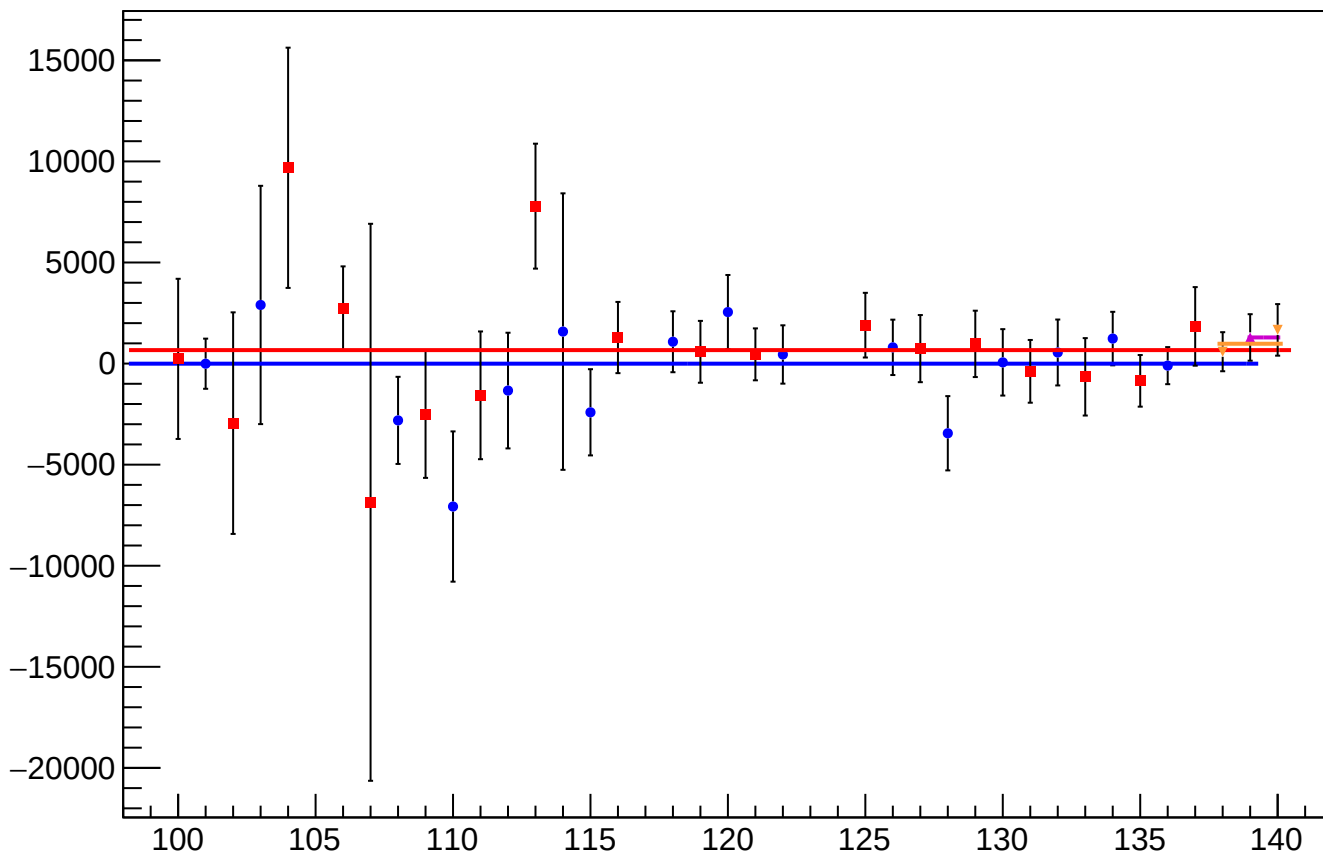
Left In: 2374.862+/-1.825 χ^2/NDF : 0.0/0

+ sign 2529.443+/-0.605 χ^2/NDF : 245789.4/17

All: 2581.563+/-0.447 χ^2/NDF : 706590.0/36

- sign 2644.474+/-0.665 χ^2/NDF : 444415.4/18

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 980.292 ± 770.108 χ^2/NDF : 0.5/1

Right Out: 665.953 ± 460.513 χ^2/NDF : 14.4/17

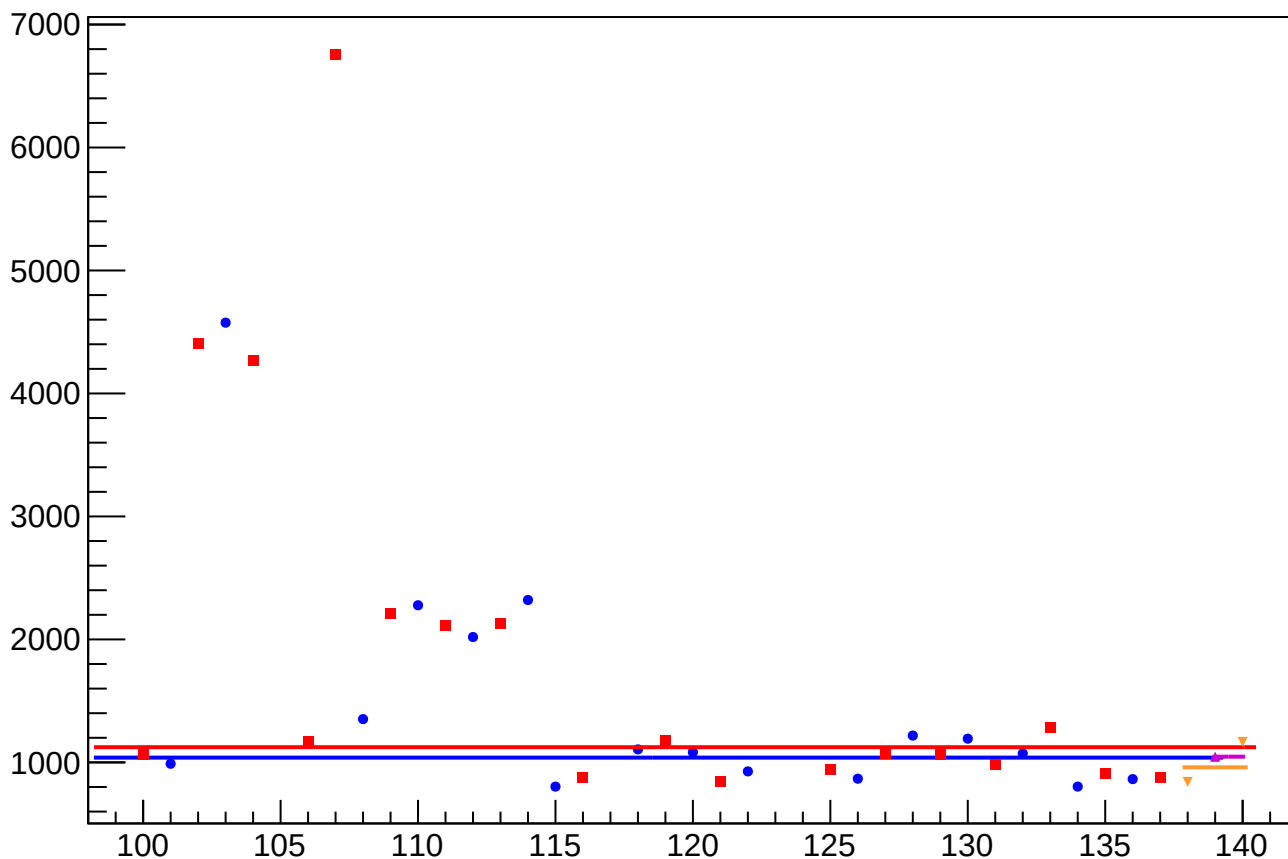
Left In: 1292.471 ± 1150.114 χ^2/NDF : 0.0/0

+ sign 214.323 ± 363.449 χ^2/NDF : 16.2/17

All: 440.113 ± 276.907 χ^2/NDF : 31.8/36

- sign 752.521 ± 427.515 χ^2/NDF : 14.6/18

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF : 1539724.8/15

Left Out: 959.603+/-0.545 χ^2/NDF : 82742.9/1

Right Out: 1123.474+/-0.326 χ^2/NDF : 2535509.9/17

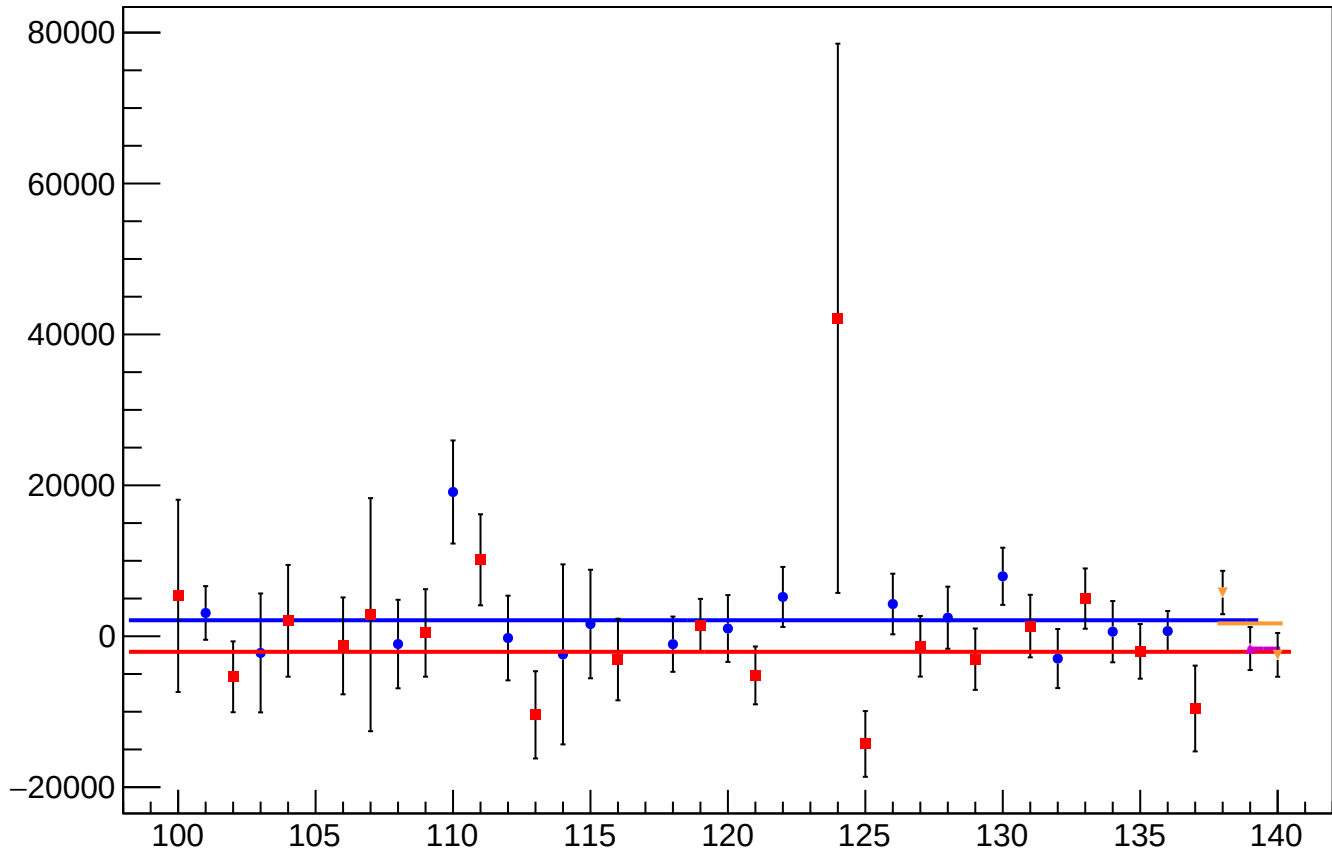
Left In: 1046.309+/-0.813 χ^2/NDF : 0.0/0

+ sign 1021.163+/-0.257 χ^2/NDF : 1638909.8/17

All: 1059.613+/-0.196 χ^2/NDF : 4235532.4/30

- sign 1112.812+/-0.302 χ^2/NDF : 2543269.1/18

asym_atl1_mean vs Slug



Right In: 2121.991 $\pm$ 1084.700 χ^2 /NDF: 13.4/15

Left Out: 1703.646 $\pm$ 2042.654 χ^2 /NDF: 4.1/1

Right Out: -2059.741 $\pm$ 1136.807 χ^2 /NDF: 24.3/18

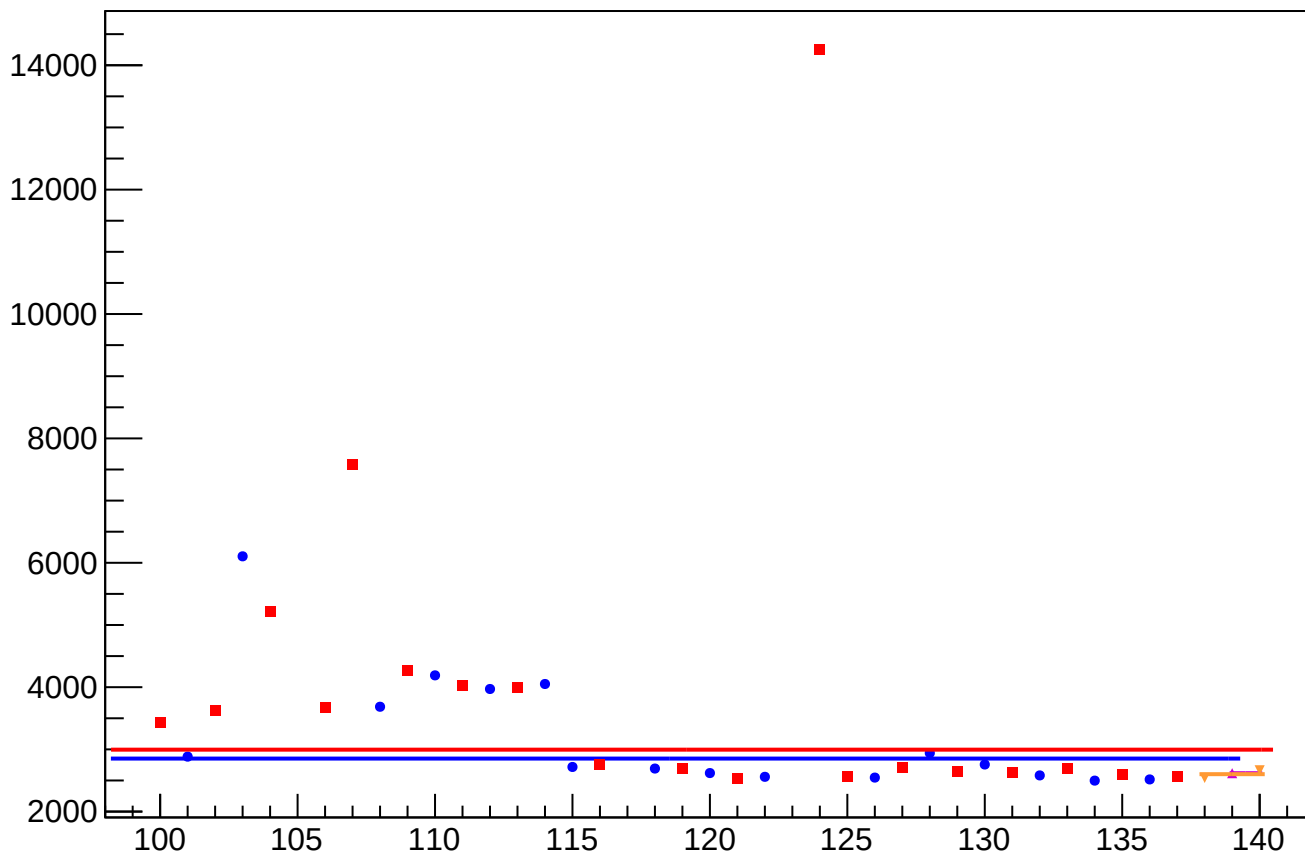
Left In: -1630.839 $\pm$ 2848.250 χ^2 /NDF: 0.0/0

+ sign 2029.971 $\pm$ 958.005 χ^2 /NDF: 17.5/17

All: 209.900 $\pm$ 709.478 χ^2 /NDF: 49.8/37

- sign -2000.805 $\pm$ 1055.818 χ^2 /NDF: 24.3/19

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF : 648715.2/15

Left Out: 2601.401+/-1.444 χ^2/NDF :1836.6/1

Right Out: 2995.525+/-0.804 χ^2/NDF : 979168.6/18

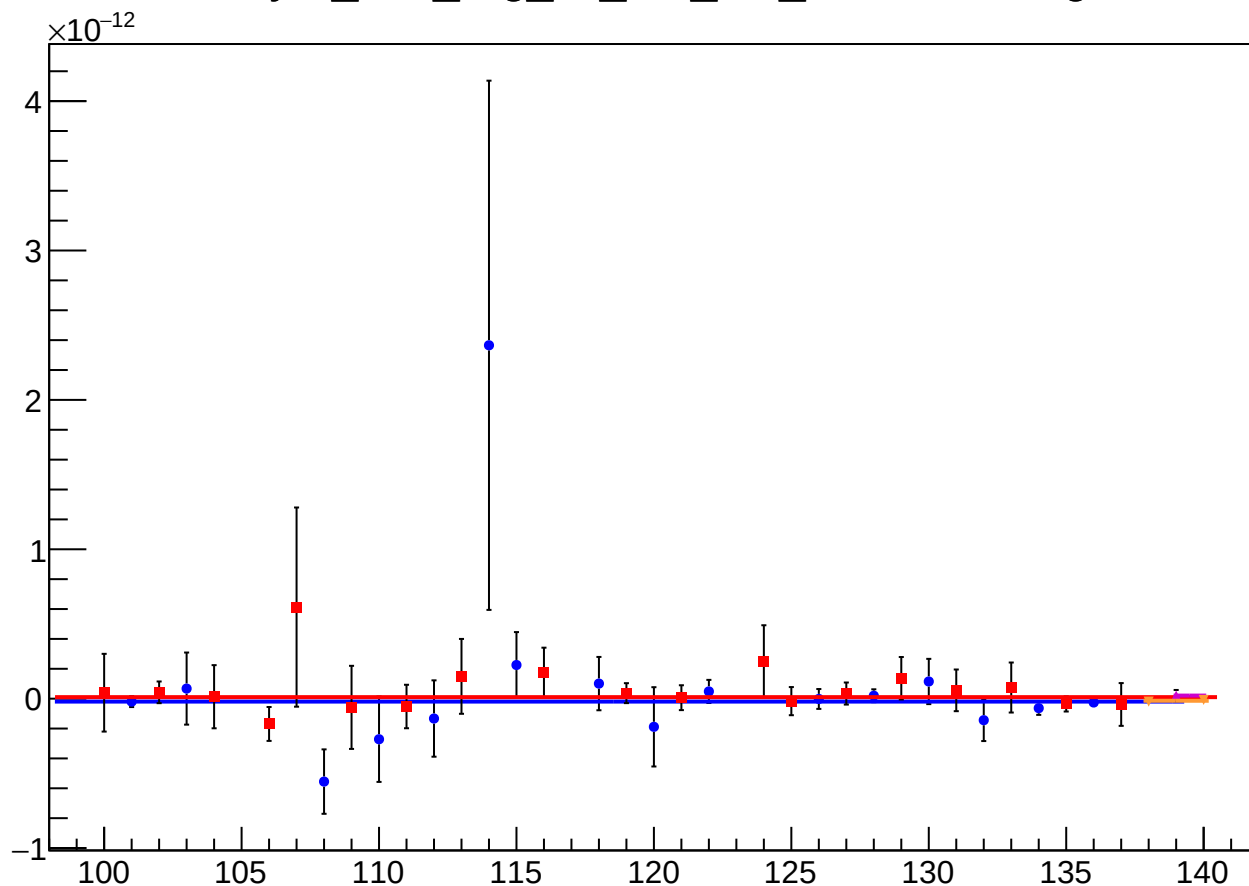
Left In: 2617.294+/-2.014 χ^2/NDF :0.0/0

+ sign 2797.038+/-0.677 χ^2/NDF : 674071.4/17

All: 2863.196+/-0.502 χ^2/NDF : 1704785.2/37

- sign 2943.552+/-0.747 χ^2/NDF : 1009591.0/19

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: 0.1/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 8.3/18

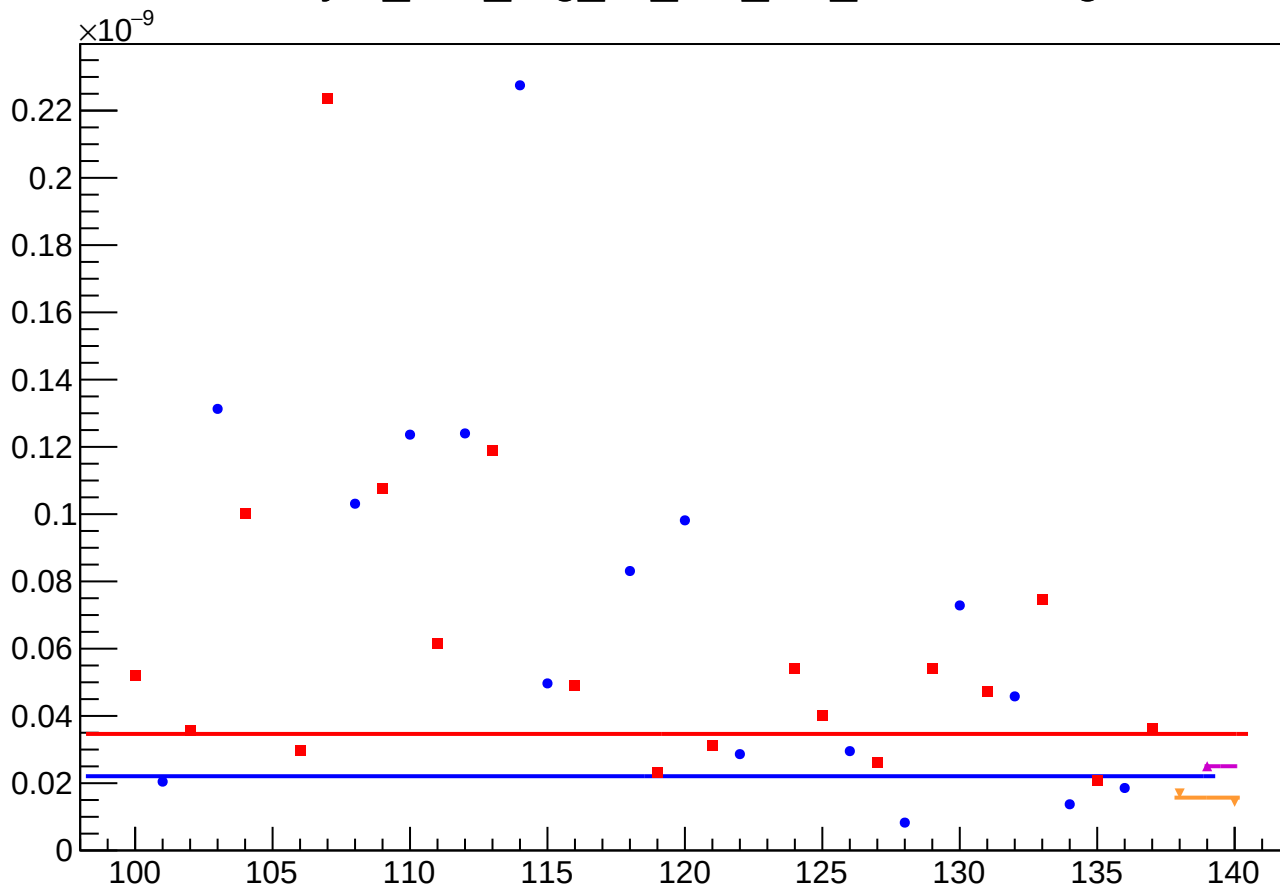
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 15.6/17

All: -0.000+/-0.000 χ^2 /NDF: 25.5/37

- sign 0.000+/-0.000 χ^2 /NDF: 8.4/19

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2344133.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8965.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1242991.9/18

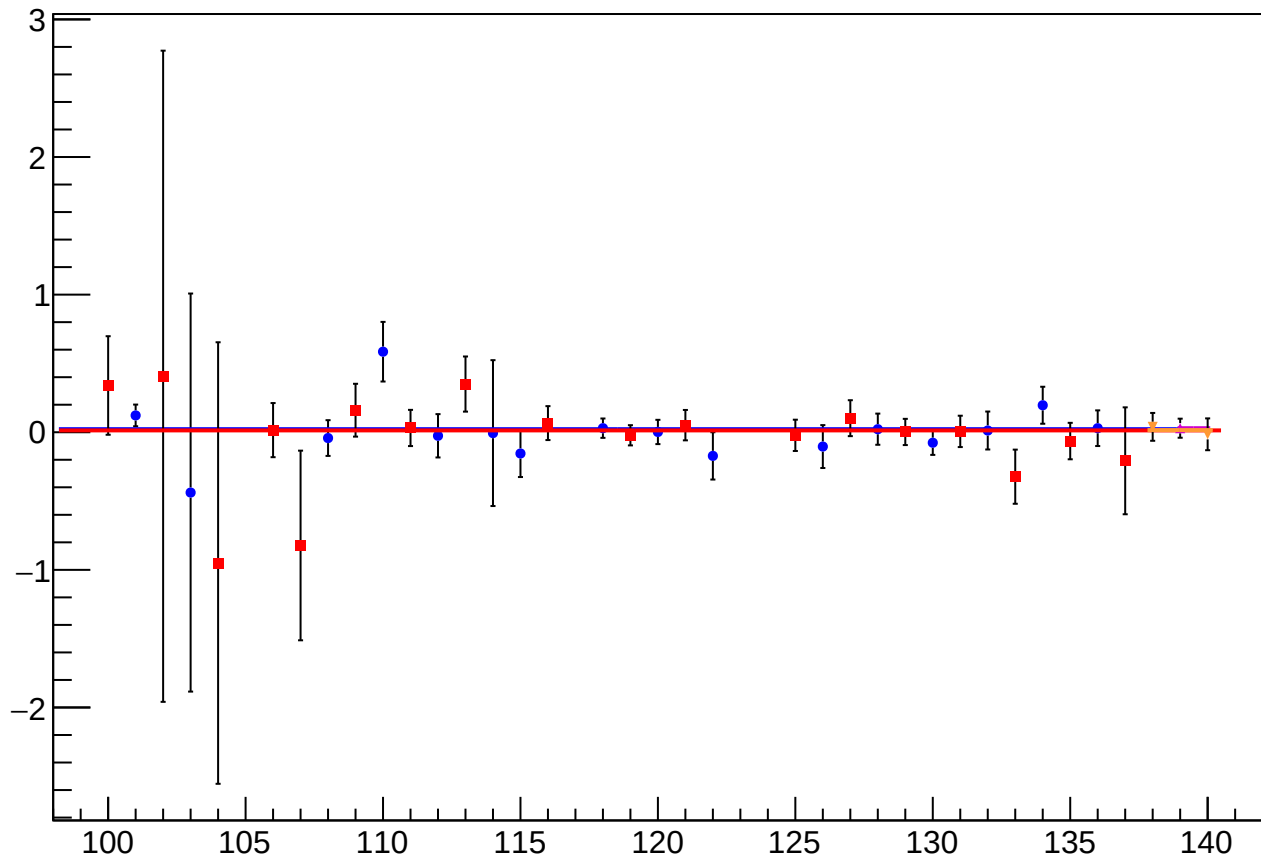
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2480232.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4368837.0/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1334650.1/19

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 χ^2/NDF : 14.8/15

Left Out: 0.016 ± 0.076 χ^2/NDF : 0.1/1

Right Out: 0.013 ± 0.033 χ^2/NDF : 10.8/17

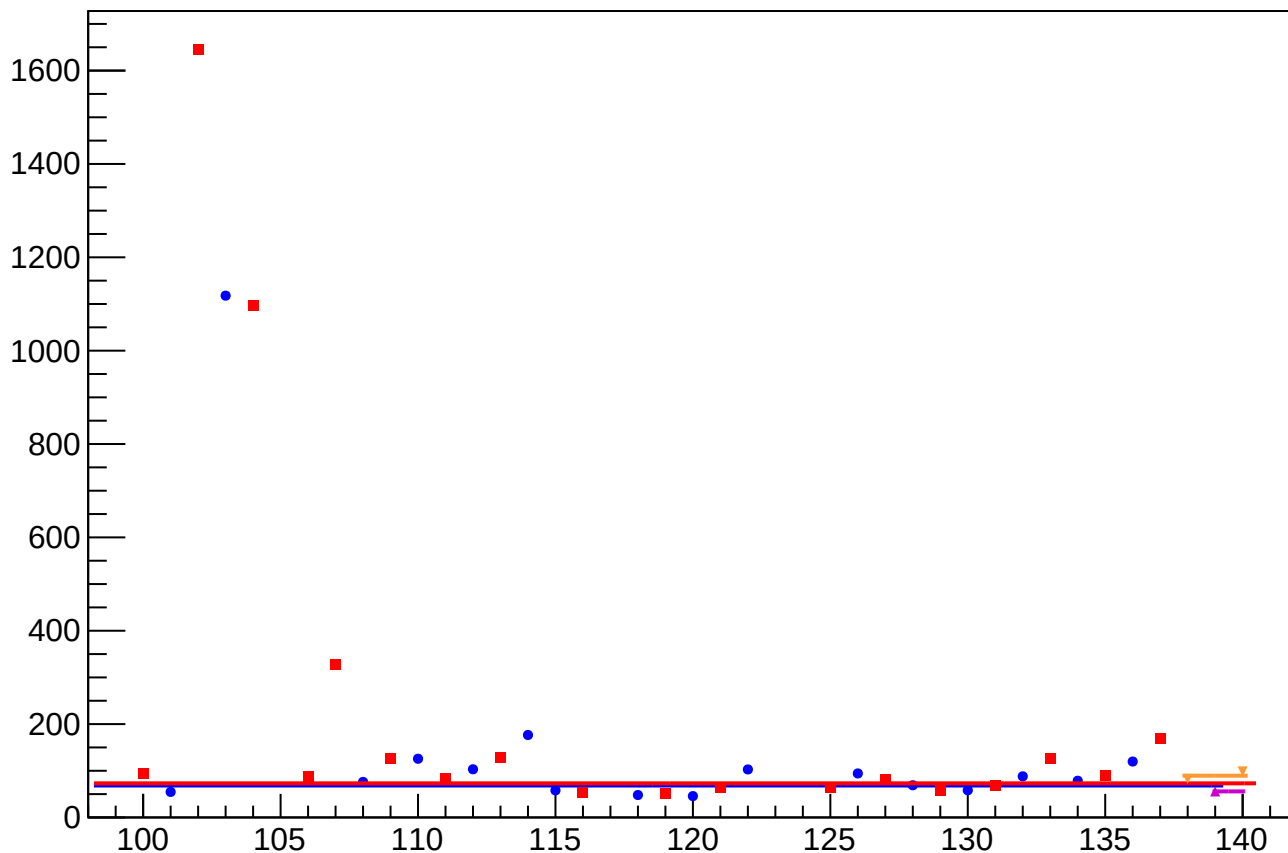
Left In: 0.029 ± 0.069 χ^2/NDF : 0.0/0

+ sign 0.021 ± 0.028 χ^2/NDF : 14.9/17

All: 0.019 ± 0.021 χ^2/NDF : 25.8/36

- sign 0.016 ± 0.030 χ^2/NDF : 10.9/18

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF : 2278083.9/15

Left Out: 89.451+/-0.054 χ^2/NDF : 22104.1/1

Right Out: 73.072+/-0.024 χ^2/NDF : 2913147.6/17

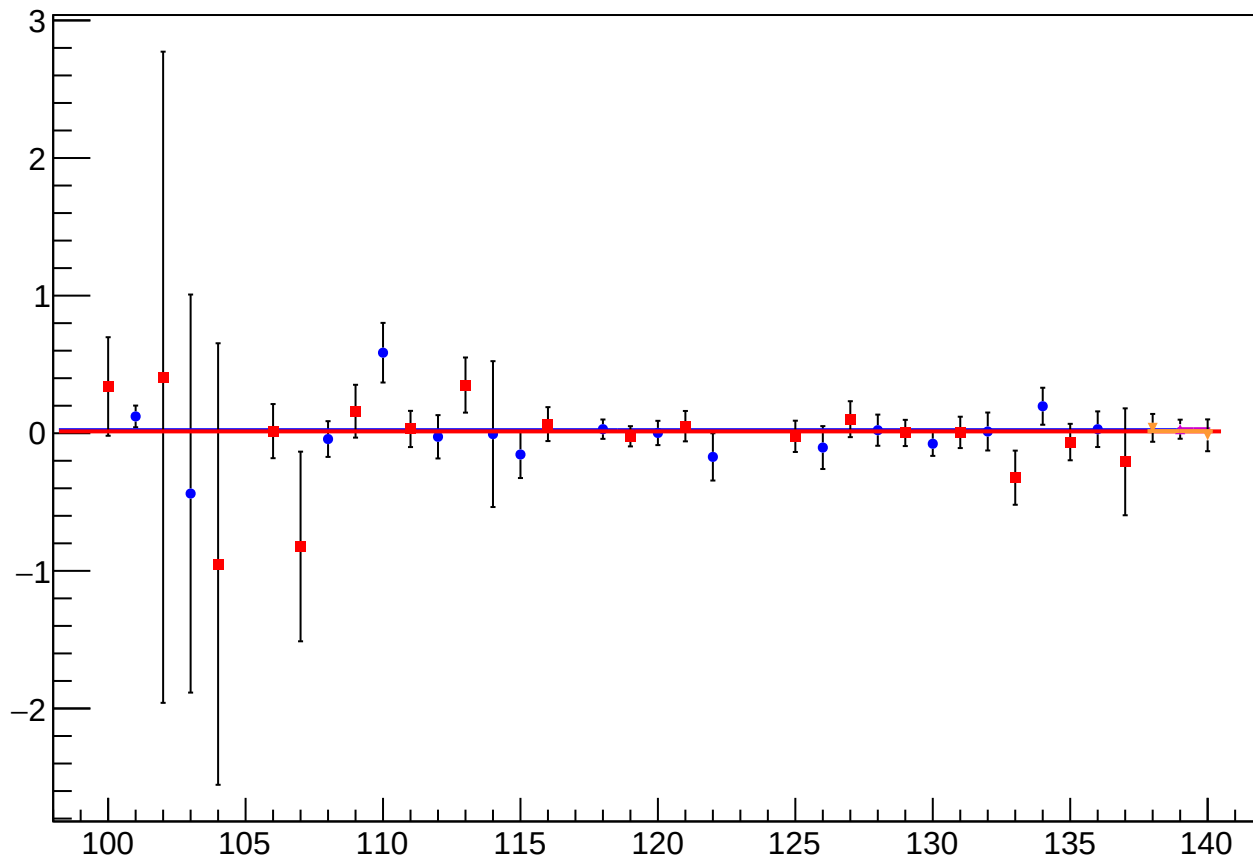
Left In: 55.808+/-0.049 χ^2/NDF : 0.0/0

+ sign 71.279+/-0.020 χ^2/NDF : 2431978.9/17

All: 70.593+/-0.015 χ^2/NDF : 5448485.3/36

- sign 69.801+/-0.021 χ^2/NDF : 3013927.7/18

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.016 ± 0.076 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 0.013 ± 0.033 $\chi^2/\text{NDF}: 10.8/17$

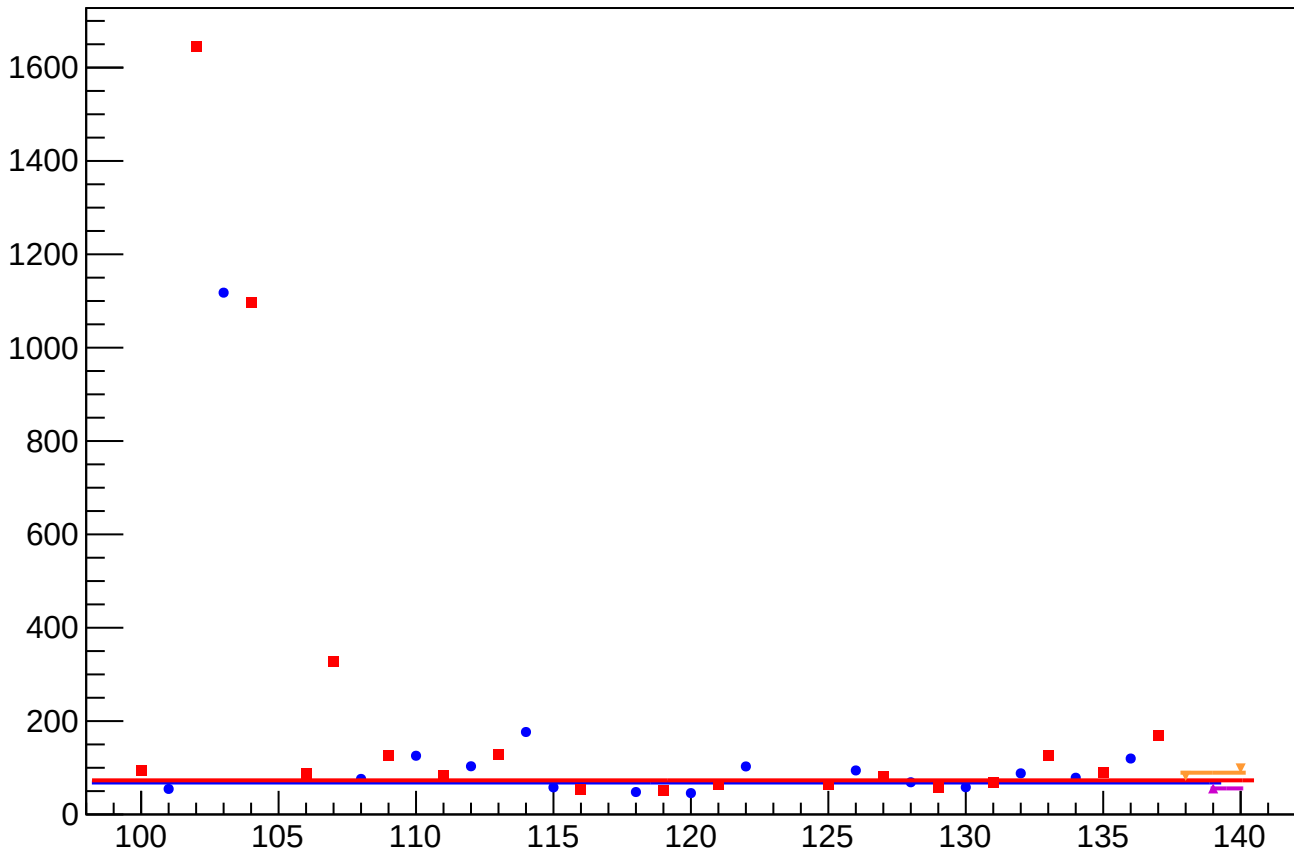
Left In: 0.029 ± 0.069 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.021 ± 0.028 $\chi^2/\text{NDF}: 14.9/17$

All: 0.019 ± 0.021 $\chi^2/\text{NDF}: 25.8/36$

- sign 0.016 ± 0.030 $\chi^2/\text{NDF}: 10.9/18$

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429 $\pm$ 0.021 χ^2 /NDF: 2278083.9/15

Left Out: 89.451 $\pm$ 0.054 χ^2 /NDF: 22104.1/1

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913147.6/17

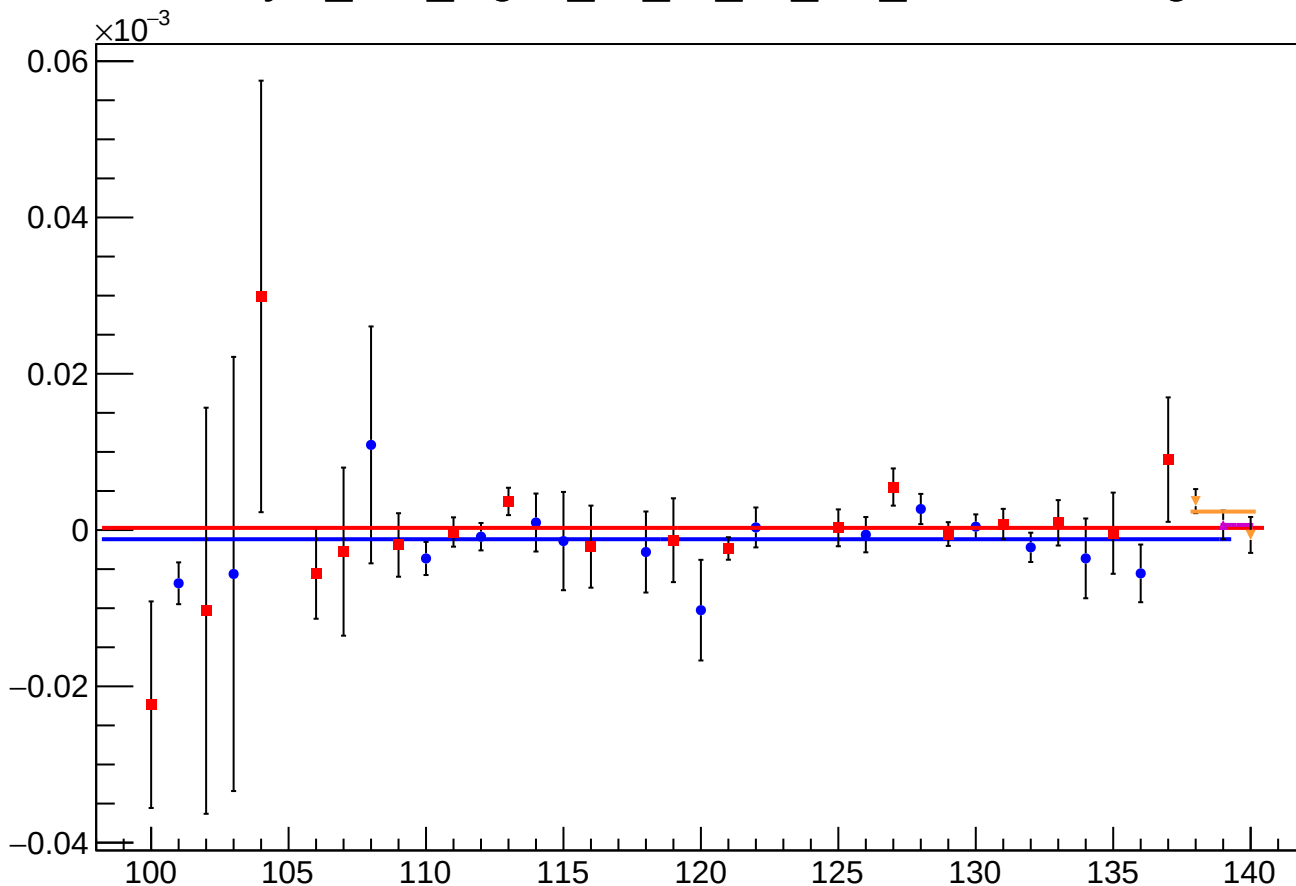
Left In: 55.808 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 71.279 $\pm$ 0.020 χ^2 /NDF: 2431978.9/17

All: 70.593 $\pm$ 0.015 χ^2 /NDF: 5448485.3/36

- sign 69.801 $\pm$ 0.021 χ^2 /NDF: 3013927.7/18

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/17

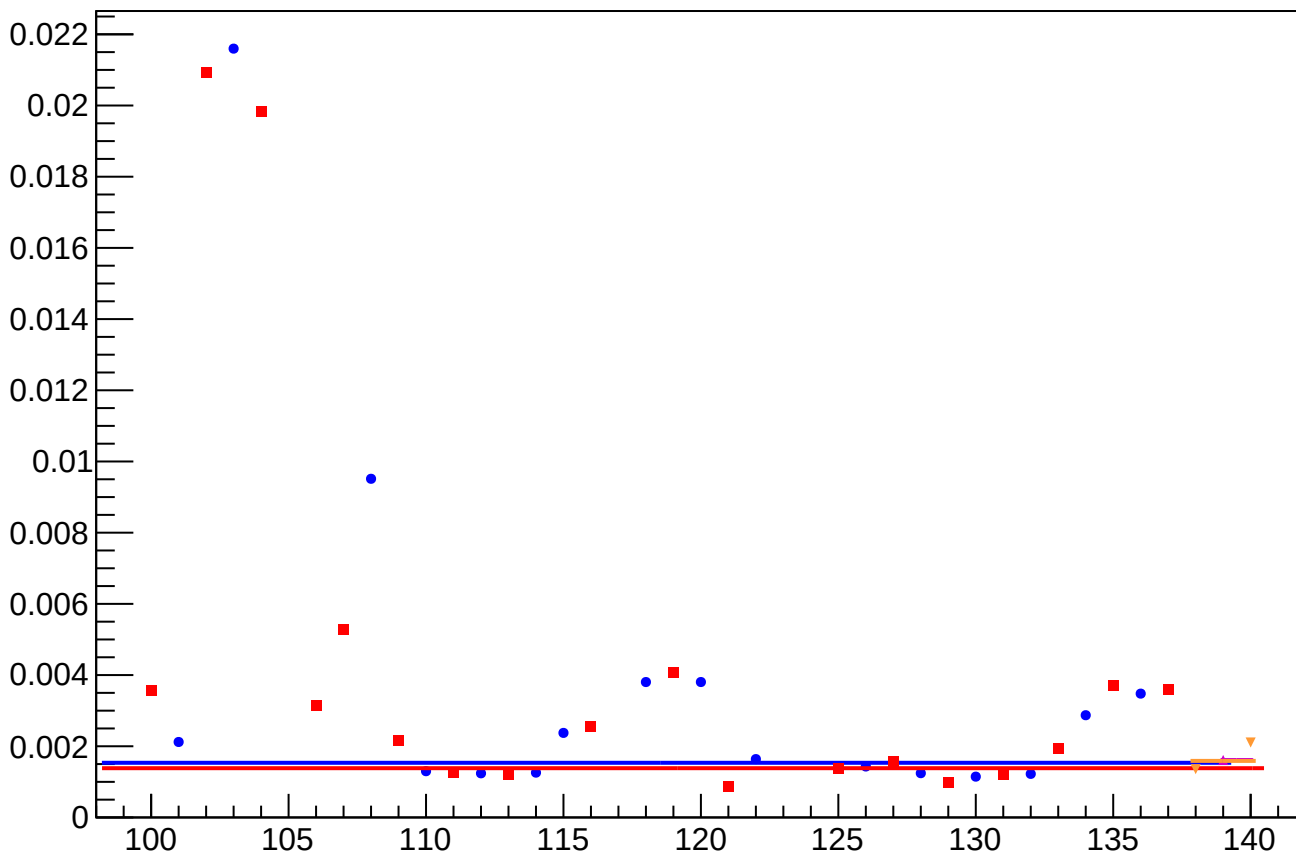
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/18

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 :146397.4/1

Right Out: 0.001+/-0.000 χ^2/NDF : 4269081.2/17

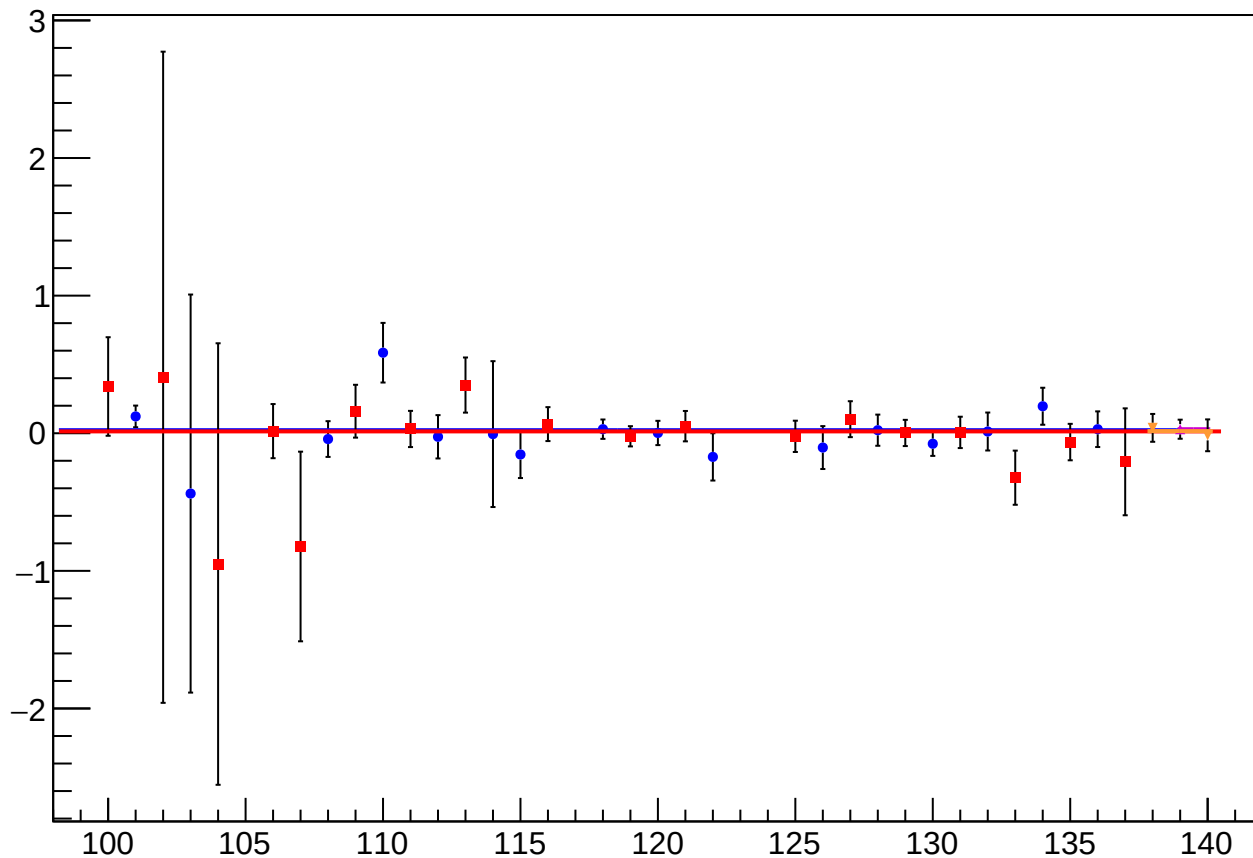
Left In: 0.002+/-0.000 χ^2/NDF :0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 3522999.5/17

All: 0.001+/-0.000 χ^2/NDF : 7874766.7/36

- sign 0.001+/-0.000 χ^2/NDF : 4297183.6/18

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 χ^2/NDF : 14.8/15

Left Out: 0.016 ± 0.076 χ^2/NDF : 0.1/1

Right Out: 0.013 ± 0.033 χ^2/NDF : 10.8/17

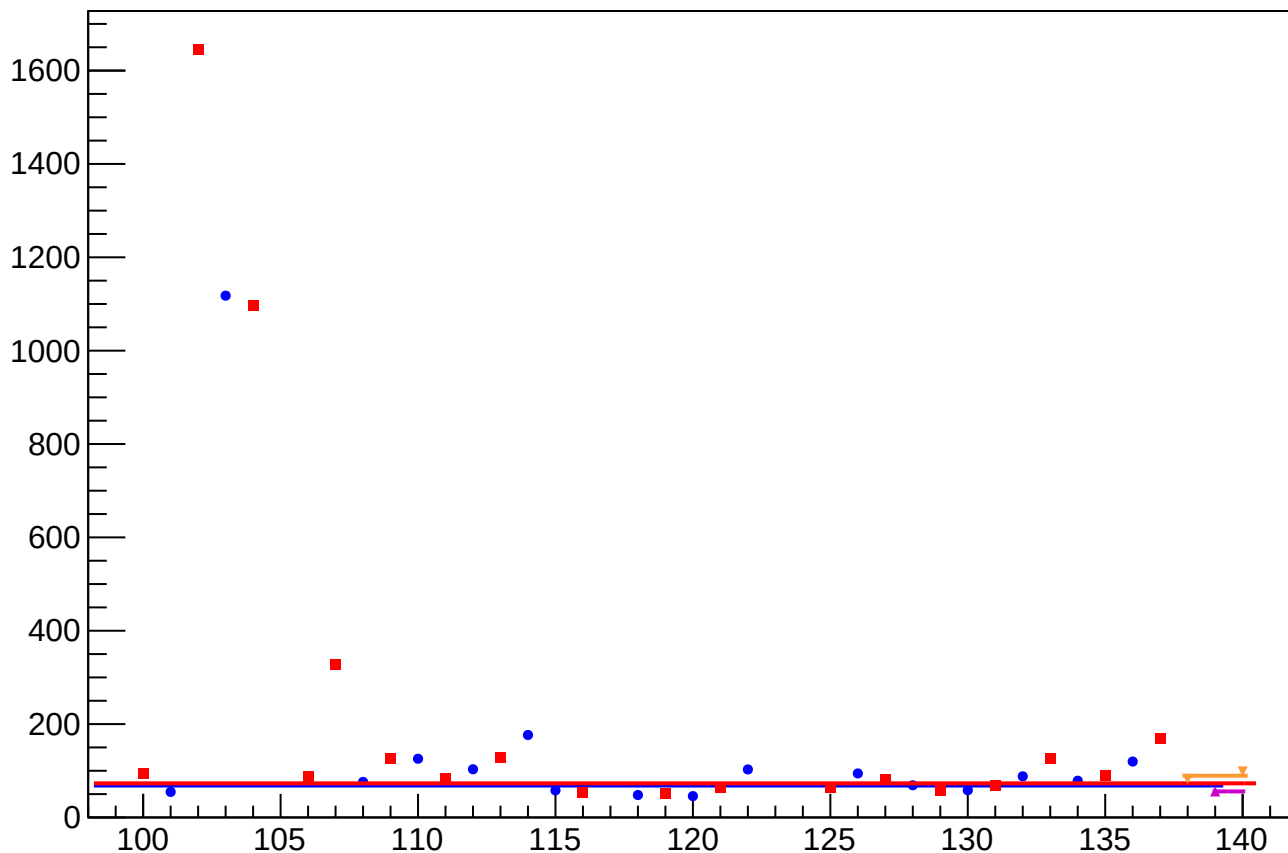
Left In: 0.029 ± 0.069 χ^2/NDF : 0.0/0

+ sign 0.021 ± 0.028 χ^2/NDF : 14.9/17

All: 0.019 ± 0.021 χ^2/NDF : 25.8/36

- sign 0.016 ± 0.030 χ^2/NDF : 10.9/18

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428 $\pm$ 0.021 χ^2 /NDF: 2278168.9/15

Left Out: 89.451 $\pm$ 0.054 χ^2 /NDF: 22101.4/1

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

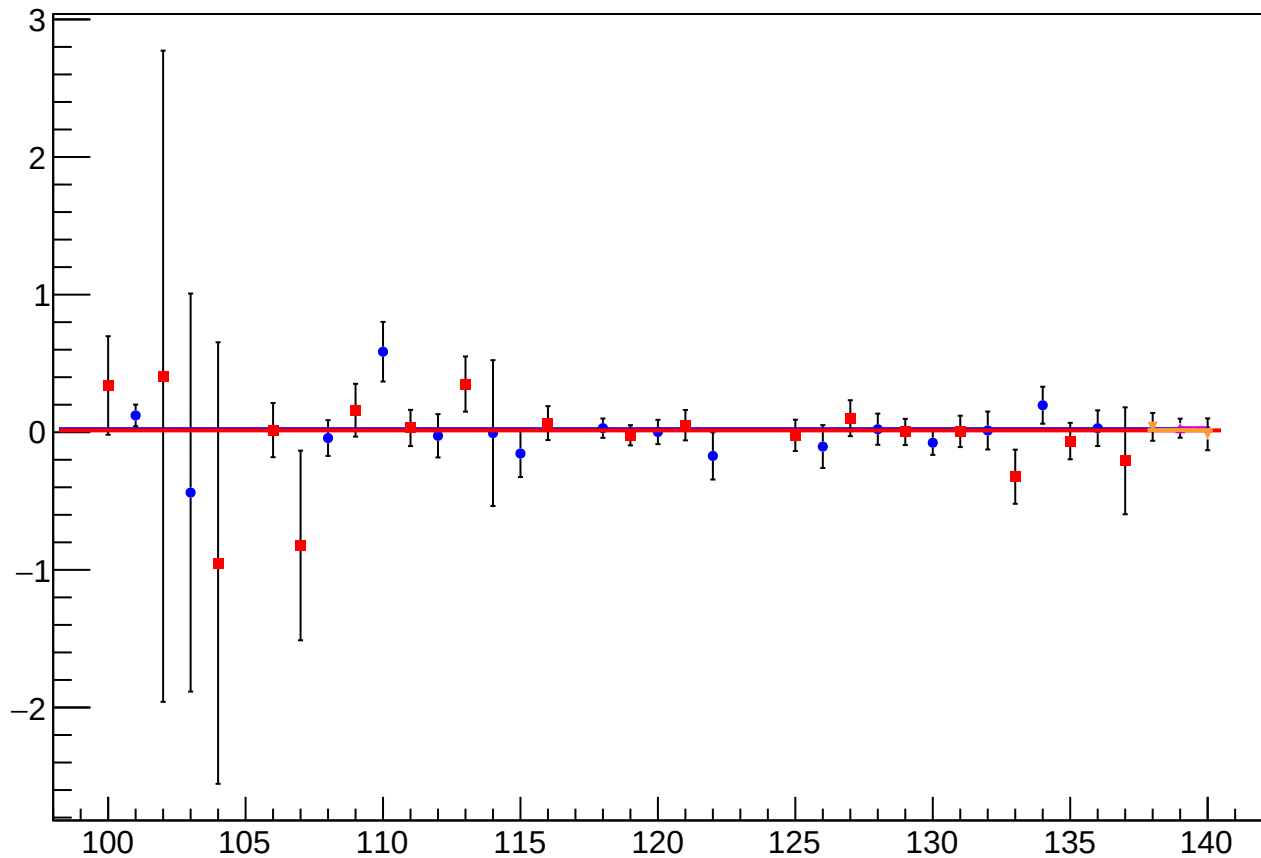
Left In: 55.808 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 71.278 $\pm$ 0.020 χ^2 /NDF: 2432071.9/17

All: 70.593 $\pm$ 0.015 χ^2 /NDF: 5448584.9/36

- sign 69.801 $\pm$ 0.021 χ^2 /NDF: 3013935.9/18

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.030 χ^2 /NDF: 14.8/15

Left Out: 0.016 $\pm$ 0.076 χ^2 /NDF:0.1/1

Right Out: 0.013 $\pm$ 0.033 χ^2 /NDF: 10.8/17

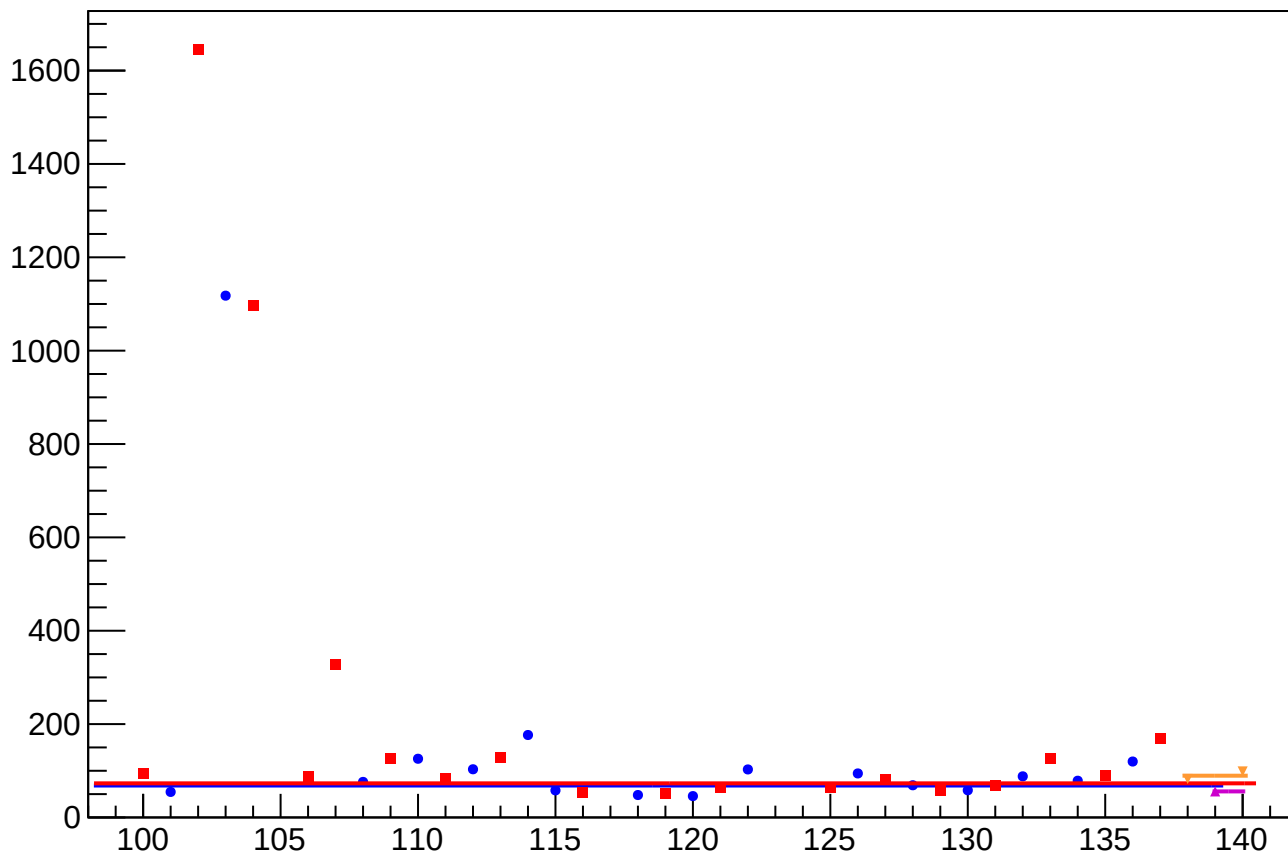
Left In: 0.029 $\pm$ 0.069 χ^2 /NDF:0.0/0

+ sign 0.021 $\pm$ 0.028 χ^2 /NDF: 14.9/17

All: 0.019 $\pm$ 0.021 χ^2 /NDF: 25.8/36

- sign 0.016 $\pm$ 0.030 χ^2 /NDF: 10.9/18

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428 $\pm$ 0.021 χ^2 /NDF: 2278168.9/15

Left Out: 89.451 $\pm$ 0.054 χ^2 /NDF: 22101.4/1

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

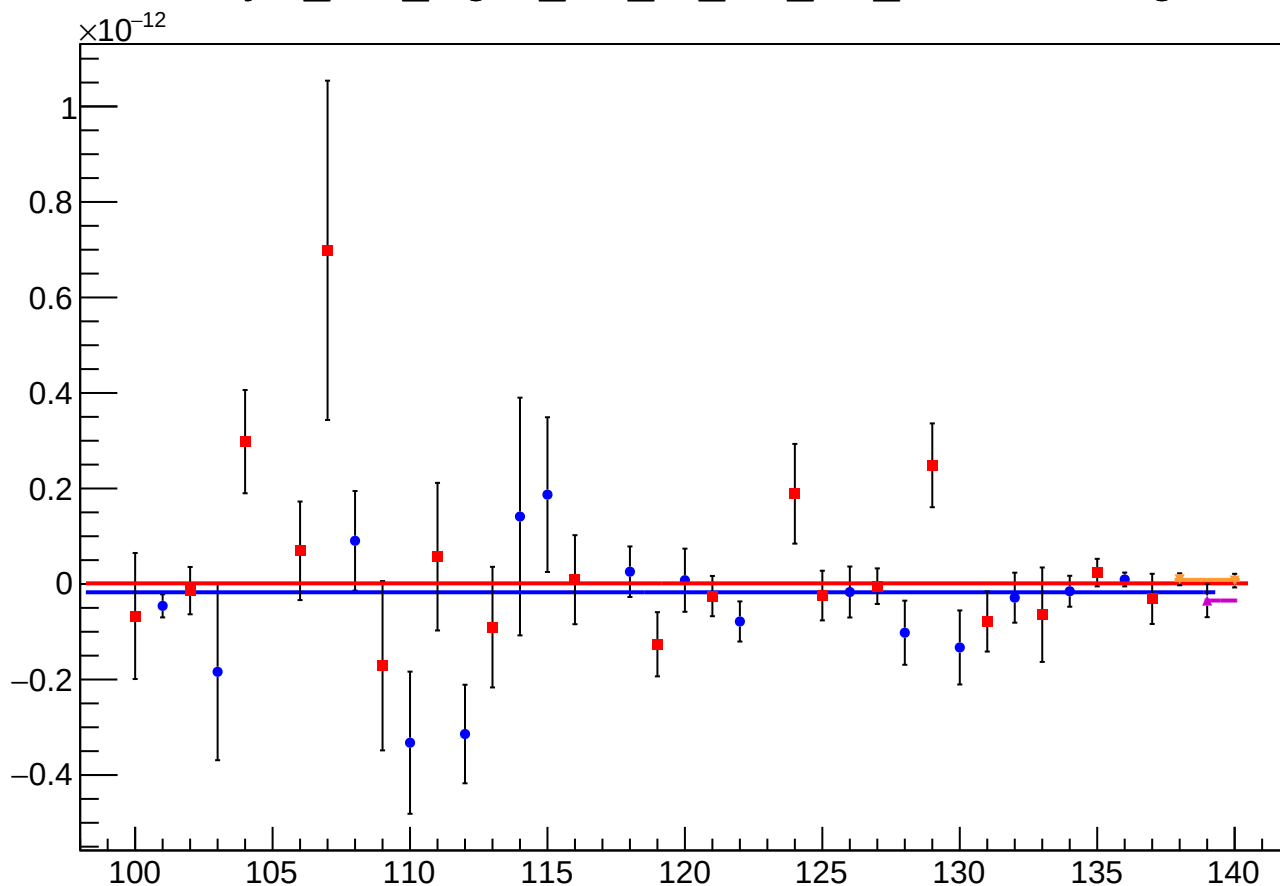
Left In: 55.808 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 71.278 $\pm$ 0.020 χ^2 /NDF: 2432071.9/17

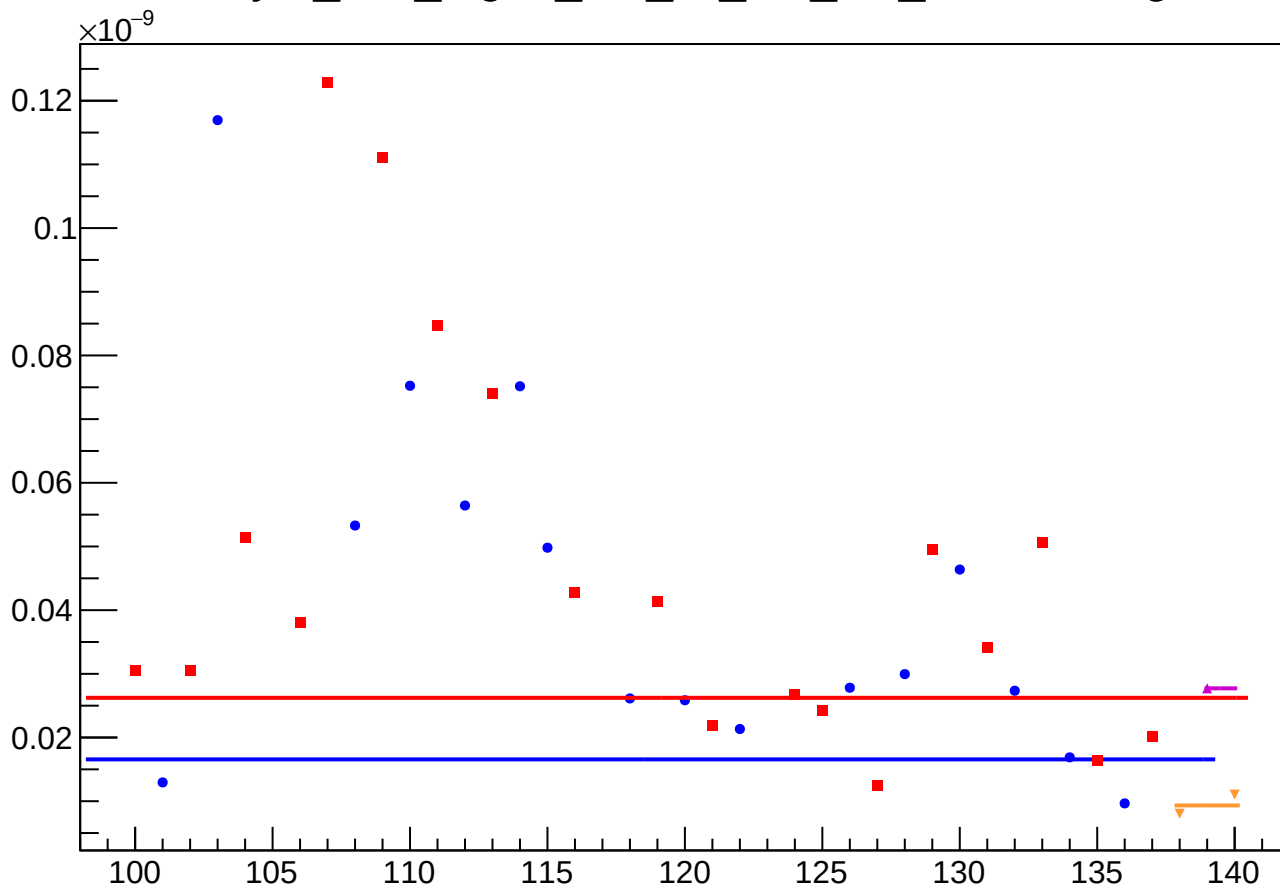
All: 70.593 $\pm$ 0.015 χ^2 /NDF: 5448584.9/36

- sign 69.801 $\pm$ 0.021 χ^2 /NDF: 3013935.9/18

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 50094.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2346394.7/18

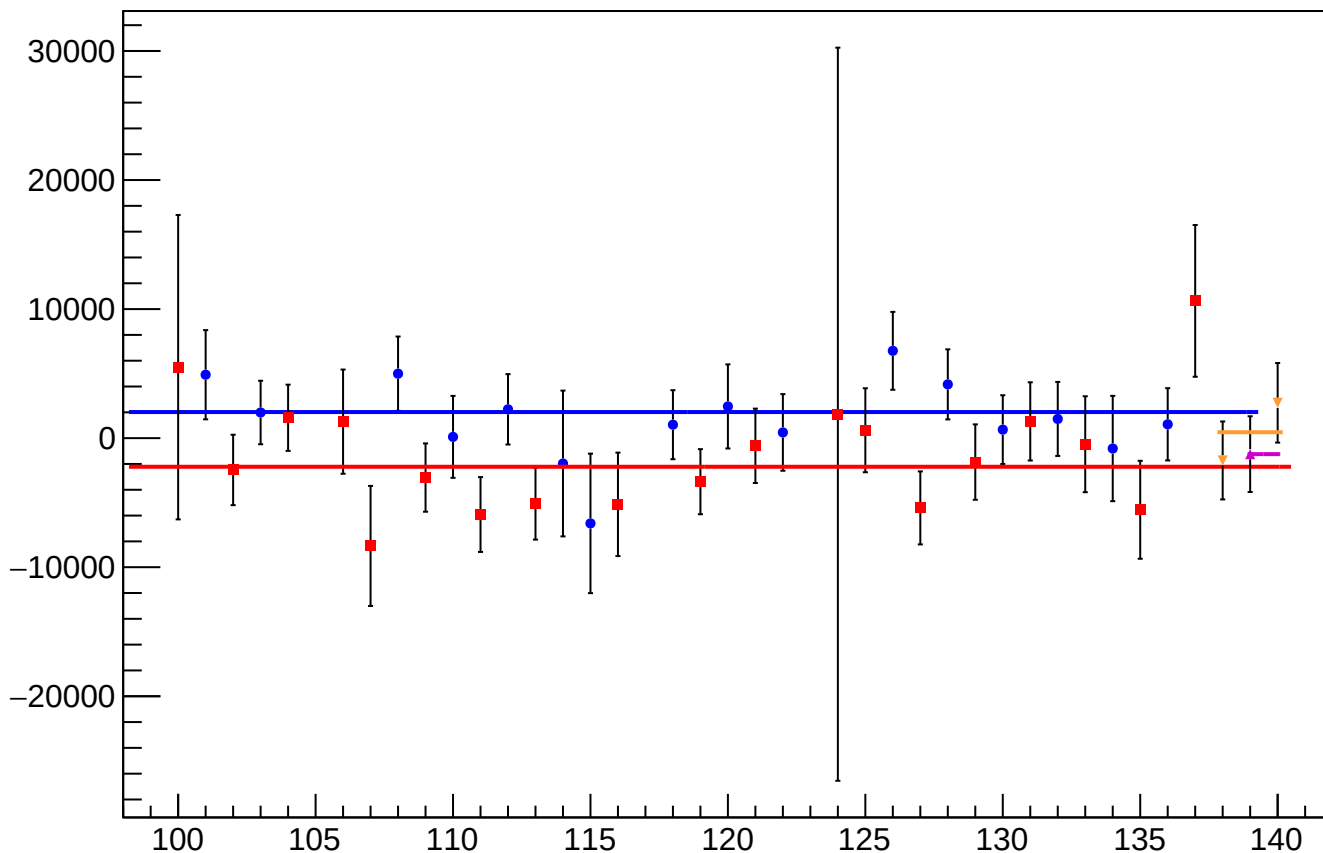
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3429131.5/17

All: 0.000+/-0.000 χ^2/NDF : 7480772.4/37

- sign 0.000+/-0.000 χ^2/NDF : 2349520.0/19

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF : 9.6/15

Left Out: 459.271+/-2157.856 χ^2/NDF : 1.1/1

Right Out: -2217.261+/-756.139 χ^2/NDF : 18.1/18

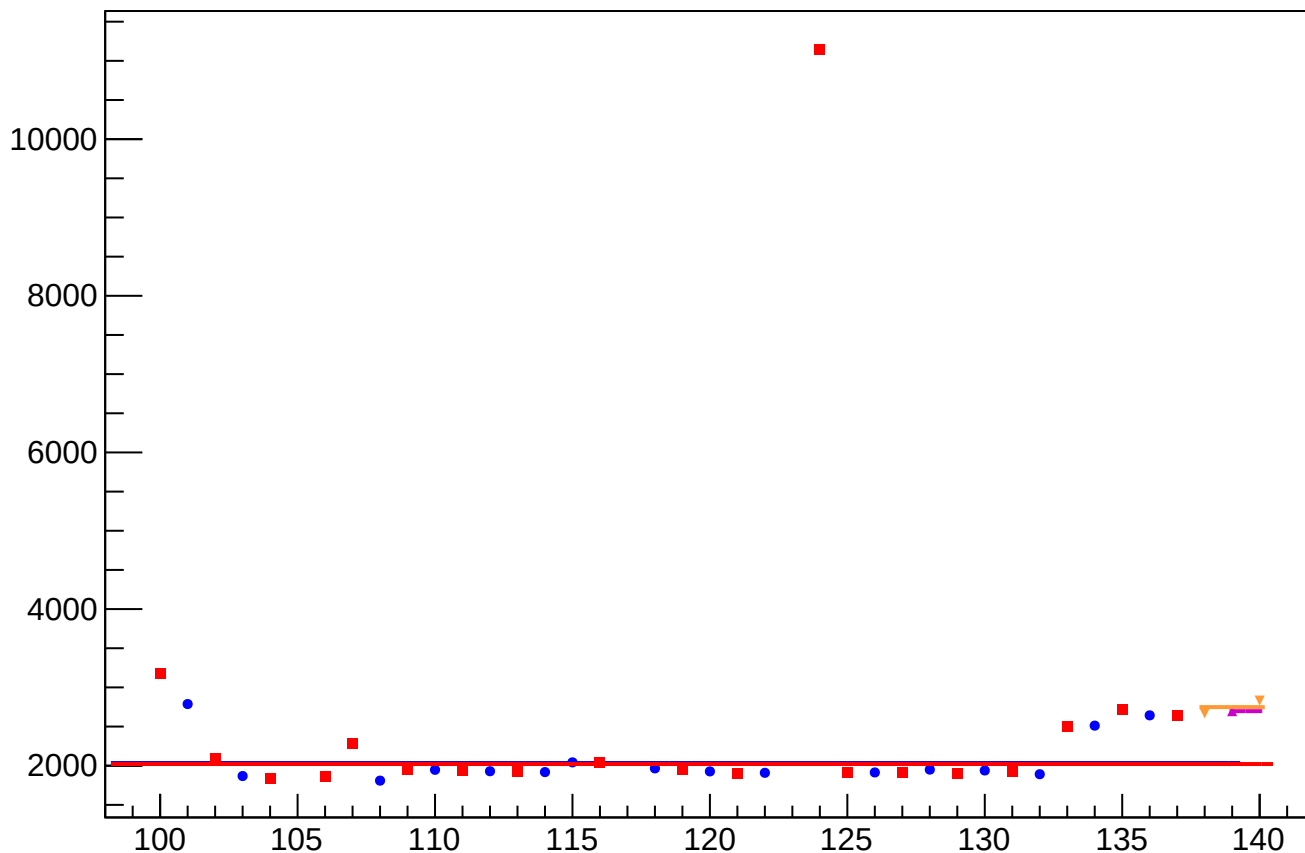
Left In: -1239.934+/-2935.162 χ^2/NDF : 0.0/0

+ sign 1848.394+/-720.491 χ^2/NDF : 11.1/17

All: -121.657+/-513.565 χ^2/NDF : 44.6/37

- sign -2156.437+/-732.232 χ^2/NDF : 18.2/19

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.7/15

Left Out: 2748.371+/-1.526 χ^2/NDF : 2832.8/1

Right Out: 2021.545+/-0.535 χ^2/NDF : 390321.3/18

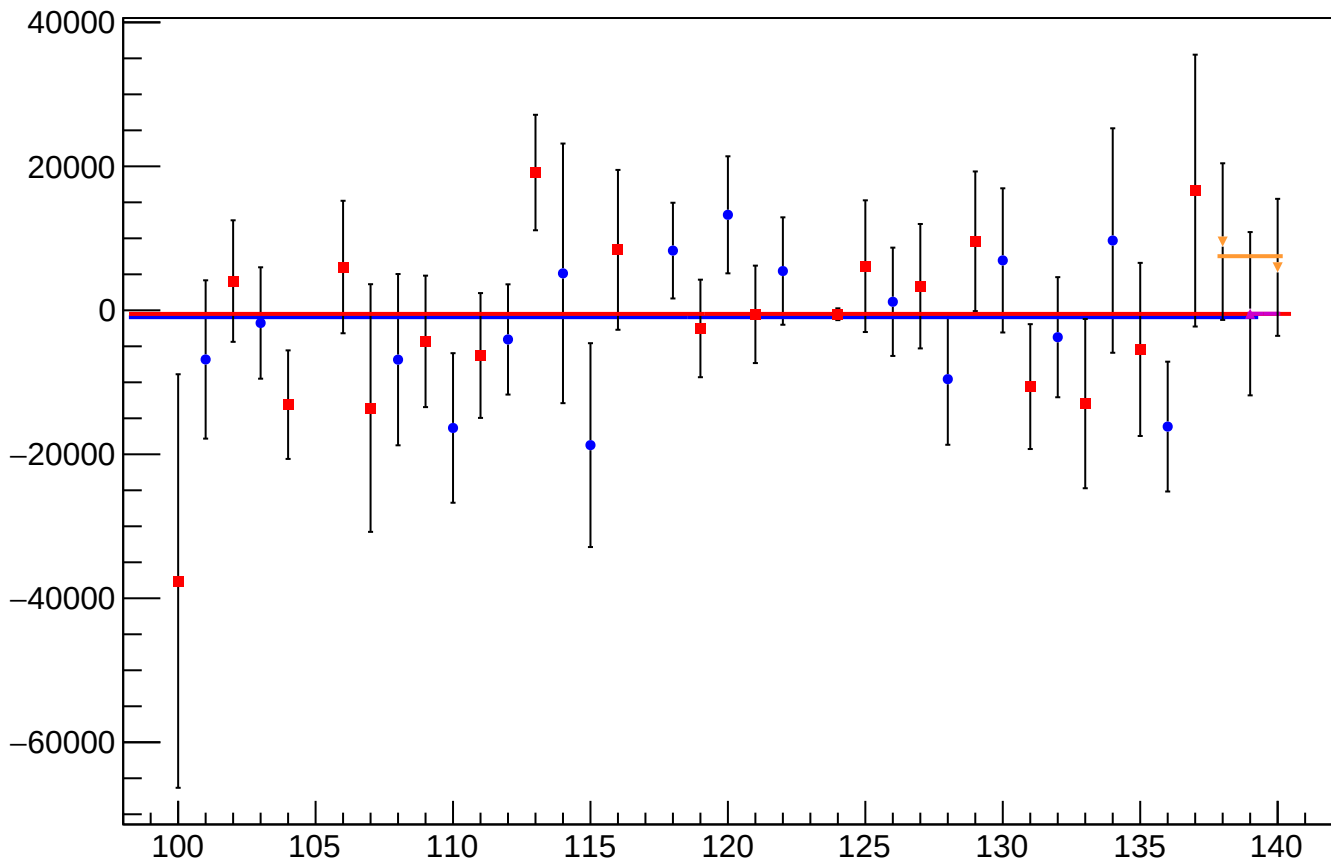
Left In: 2696.783+/-2.075 χ^2/NDF : 0.0/0

+ sign 2113.782+/-0.509 χ^2/NDF : 460466.2/17

All: 2089.081+/-0.363 χ^2/NDF : 954826.2/37

- sign 2063.568+/-0.518 χ^2/NDF : 489581.2/19

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519 ± 2278.532 χ^2/NDF : 15.3/15

Left Out: 7519.864 ± 7162.451 χ^2/NDF : 0.1/1

Right Out: -497.346 ± 768.286 χ^2/NDF : 18.5/18

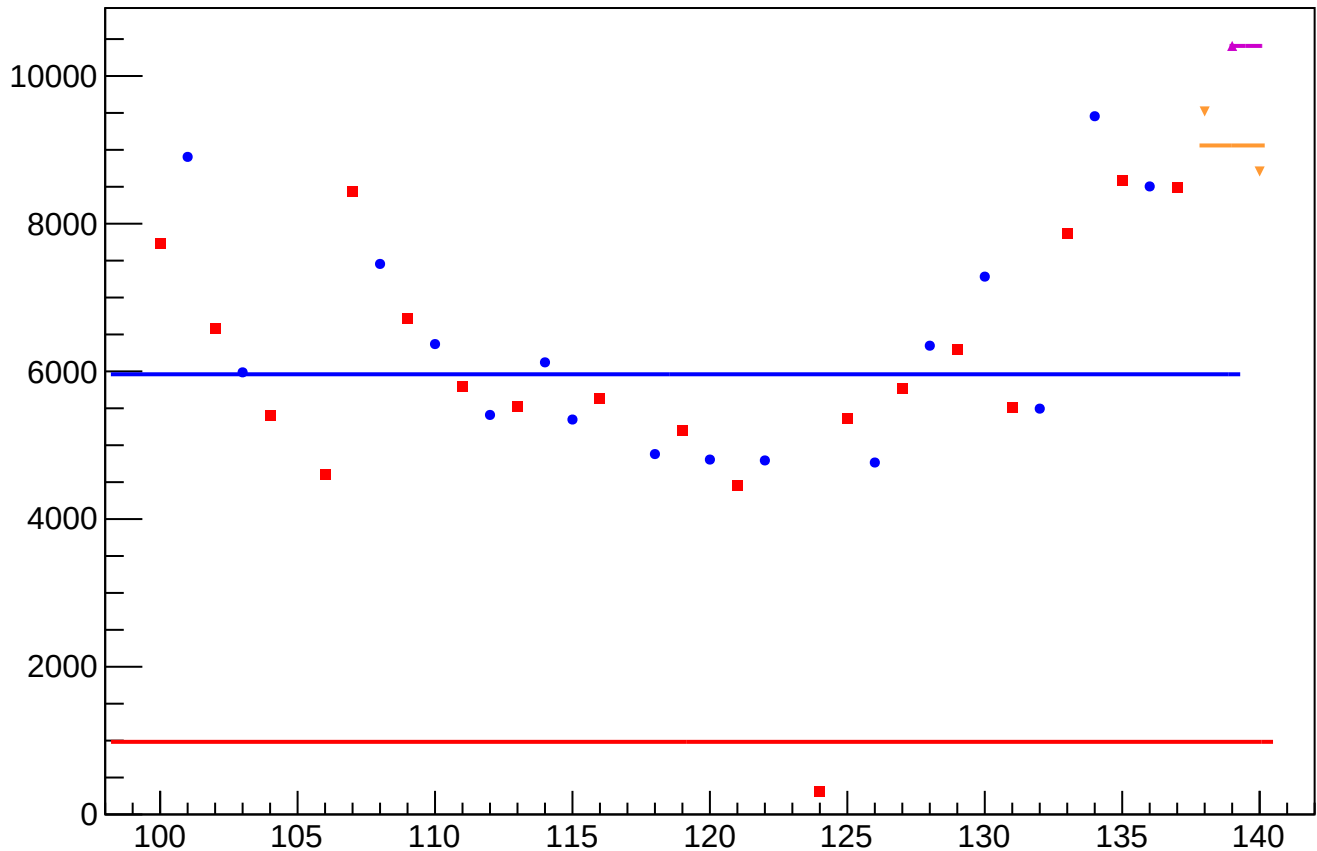
Left In: -471.815 ± 11341.548 χ^2/NDF : 0.0/0

+ sign -172.083 ± 2171.309 χ^2/NDF : 16.7/17

All: -461.198 ± 722.811 χ^2/NDF : 35.1/37

- sign -497.229 ± 766.530 χ^2/NDF : 18.5/19

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802 $\pm$ 1.611 χ^2 /NDF: 689267.6/15

Left Out: 9059.421 $\pm$ 5.065 χ^2 /NDF: 6327.0/1

Right Out: 983.316 $\pm$ 0.543 χ^2 /NDF: 11416689.8/18

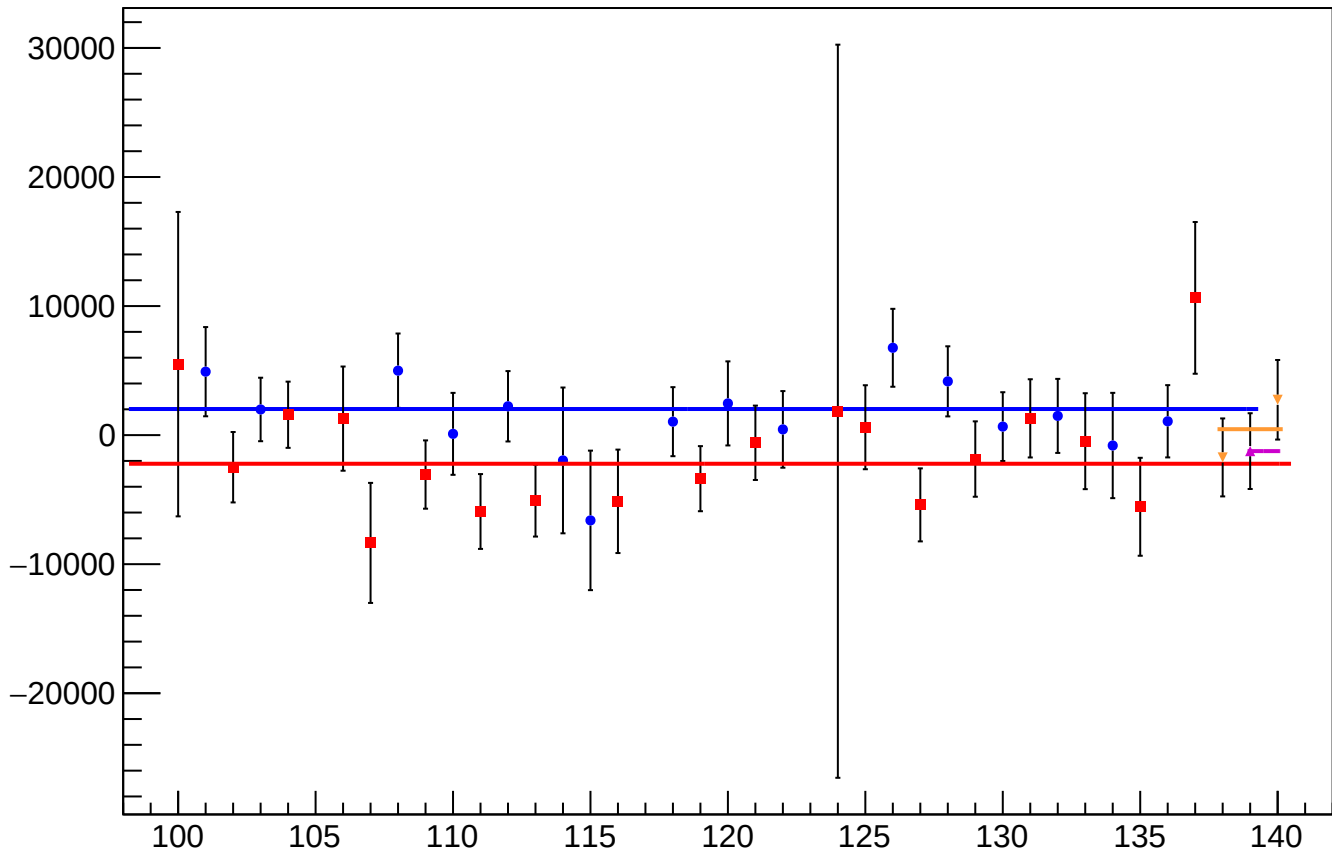
Left In: 10407.492 $\pm$ 8.020 χ^2 /NDF: 0.0/0

+ sign 6245.568 $\pm$ 1.535 χ^2 /NDF: 1035514.2/17

All: 1604.740 $\pm$ 0.511 χ^2 /NDF: 24101931.3/3

- sign 1026.365 $\pm$ 0.542 χ^2 /NDF: 12791313.2/19

cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 459.535 $\pm$ 2157.856 χ^2 /NDF: 1.1/1

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

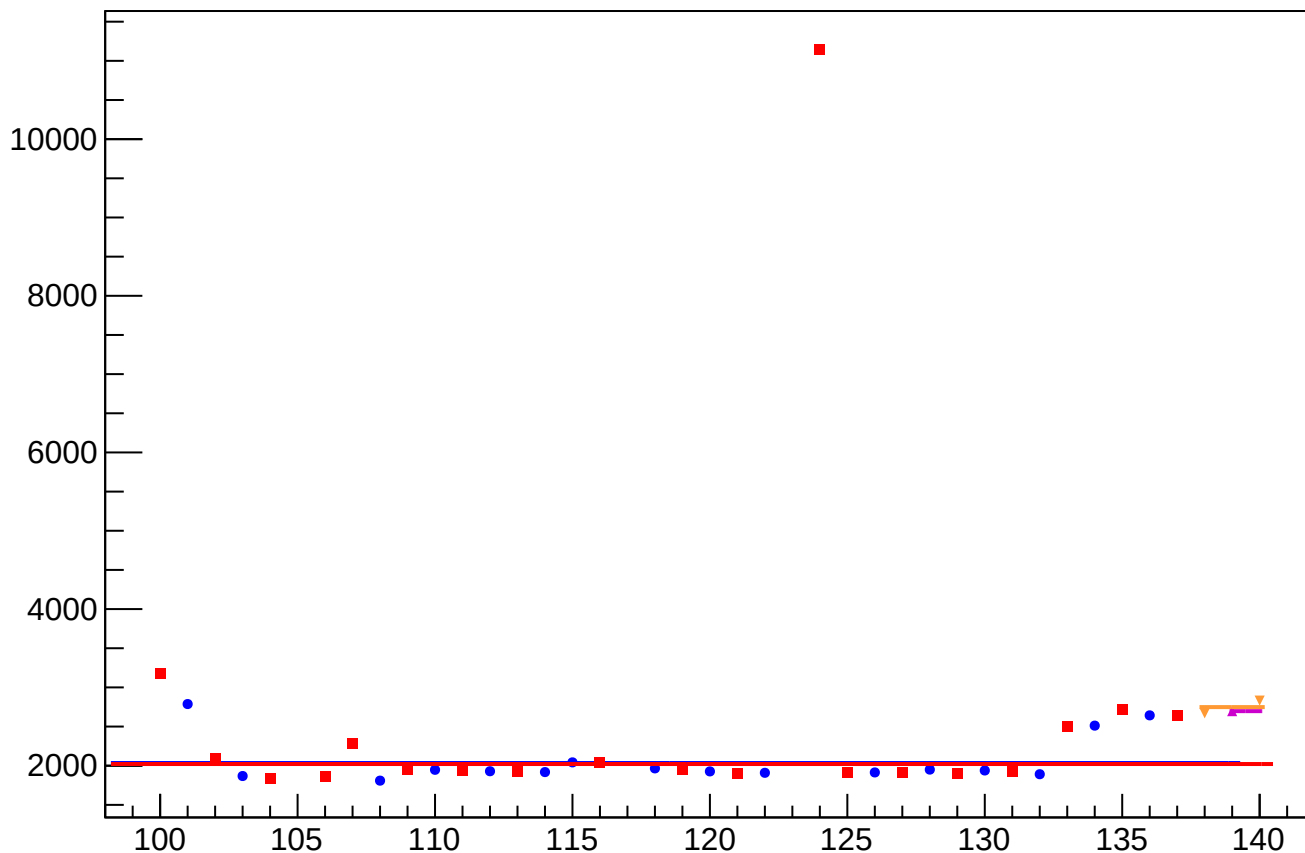
Left In: -1239.571 $\pm$ 2935.162 χ^2 /NDF: 0.0/0

+ sign 1848.535 $\pm$ 720.491 χ^2 /NDF: 11.1/17

All: -122.402 $\pm$ 513.567 χ^2 /NDF: 44.6/37

- sign -2158.137 $\pm$ 732.239 χ^2 /NDF: 18.2/19

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF : 2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF : 390333.0/18

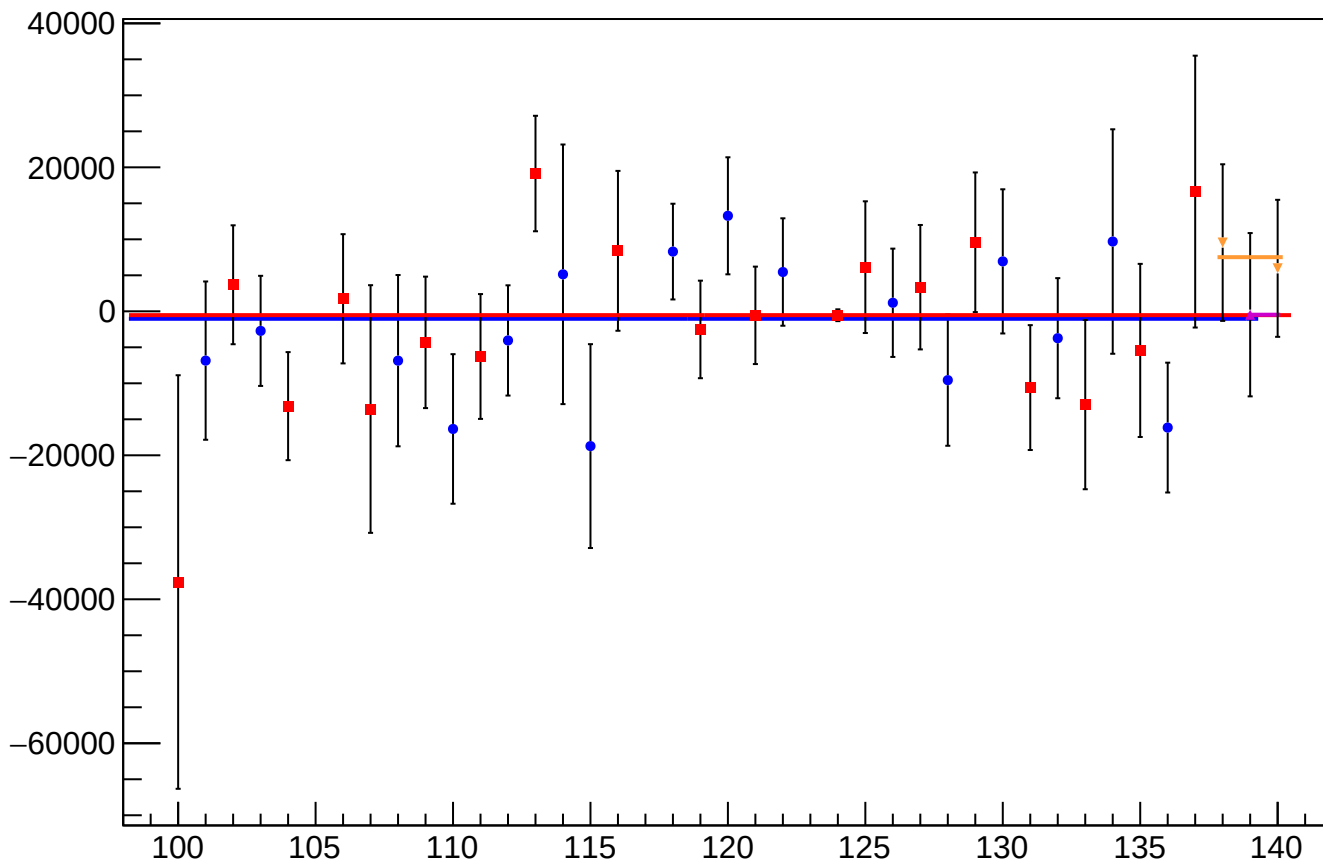
Left In: 2696.783+/-2.075 χ^2/NDF : 0.0/0

+ sign 2113.782+/-0.509 χ^2/NDF : 460466.1/17

All: 2089.091+/-0.363 χ^2/NDF : 954827.3/37

- sign 2063.589+/-0.518 χ^2/NDF : 489586.4/19

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 χ^2/NDF : 15.4/15

Left Out: 7520.323 ± 7162.449 χ^2/NDF : 0.1/1

Right Out: -530.662 ± 767.947 χ^2/NDF : 18.0/18

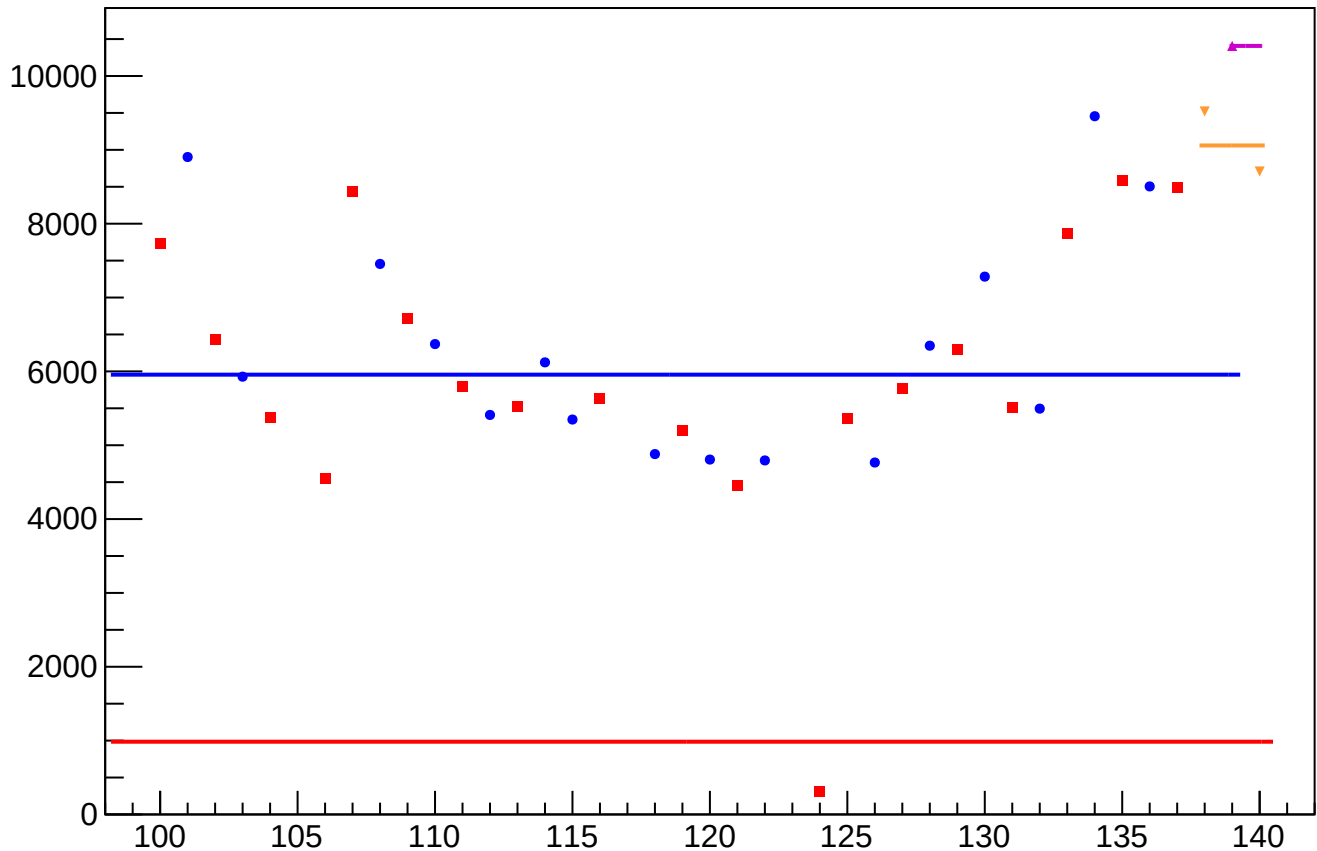
Left In: -471.827 ± 11341.535 χ^2/NDF : 0.0/0

+ sign -252.903 ± 2169.274 χ^2/NDF : 16.7/17

All: -499.615 ± 722.453 χ^2/NDF : 34.8/37

- sign -530.393 ± 766.193 χ^2/NDF : 18.0/19

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF : 689141.5/15

Left Out: 9059.417+/-5.065 χ^2/NDF : 6327.1/1

Right Out: 985.045+/-0.543 χ^2/NDF : 11412843.1/18

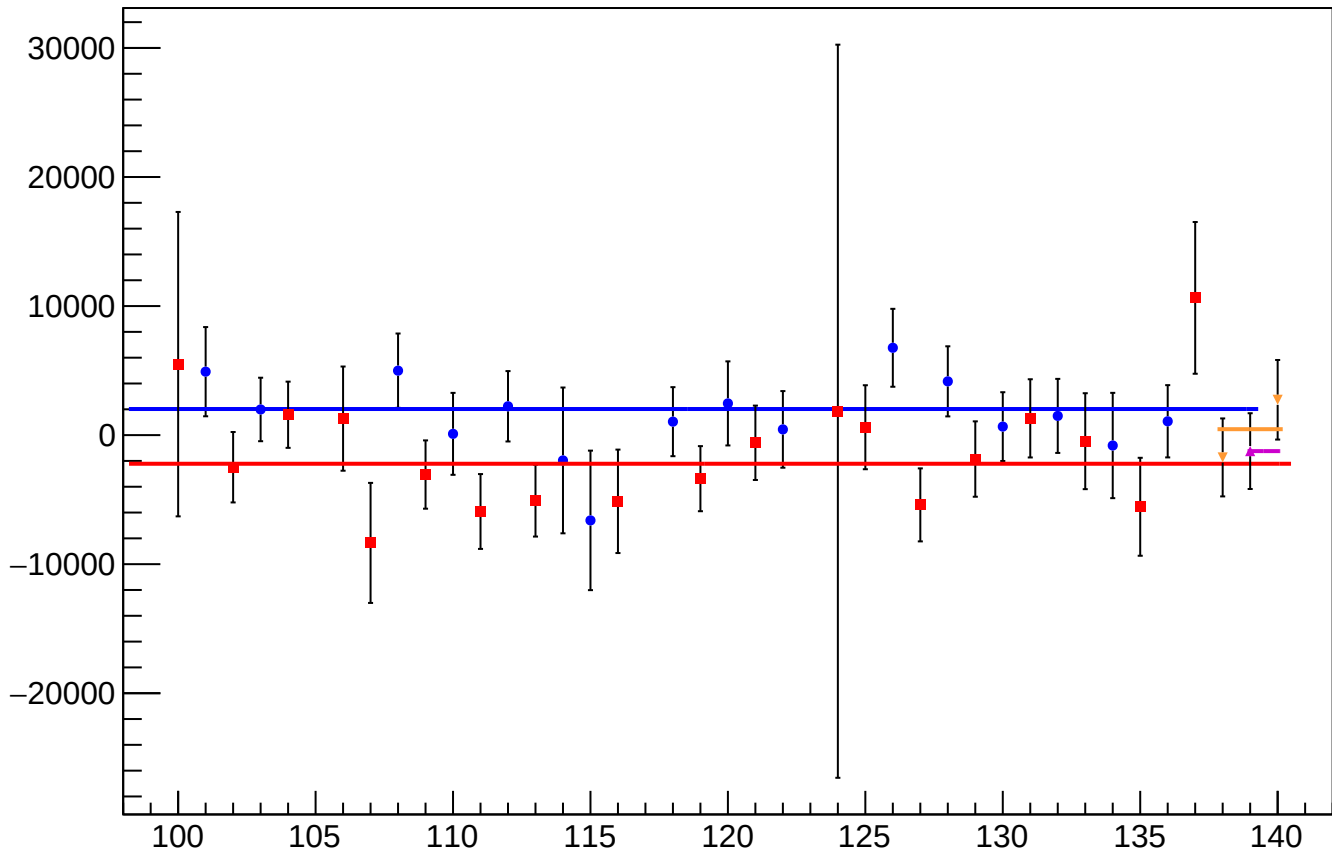
Left In: 10407.480+/-8.020 χ^2/NDF : 0.0/0

+ sign 6240.344+/-1.534 χ^2/NDF : 1036586.1/17

All: 1606.169+/-0.511 χ^2/NDF : 24089587.3/3

- sign 1028.047+/-0.542 χ^2/NDF : 12786967.6/19

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 459.535 $\pm$ 2157.856 χ^2 /NDF:1.1/1

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

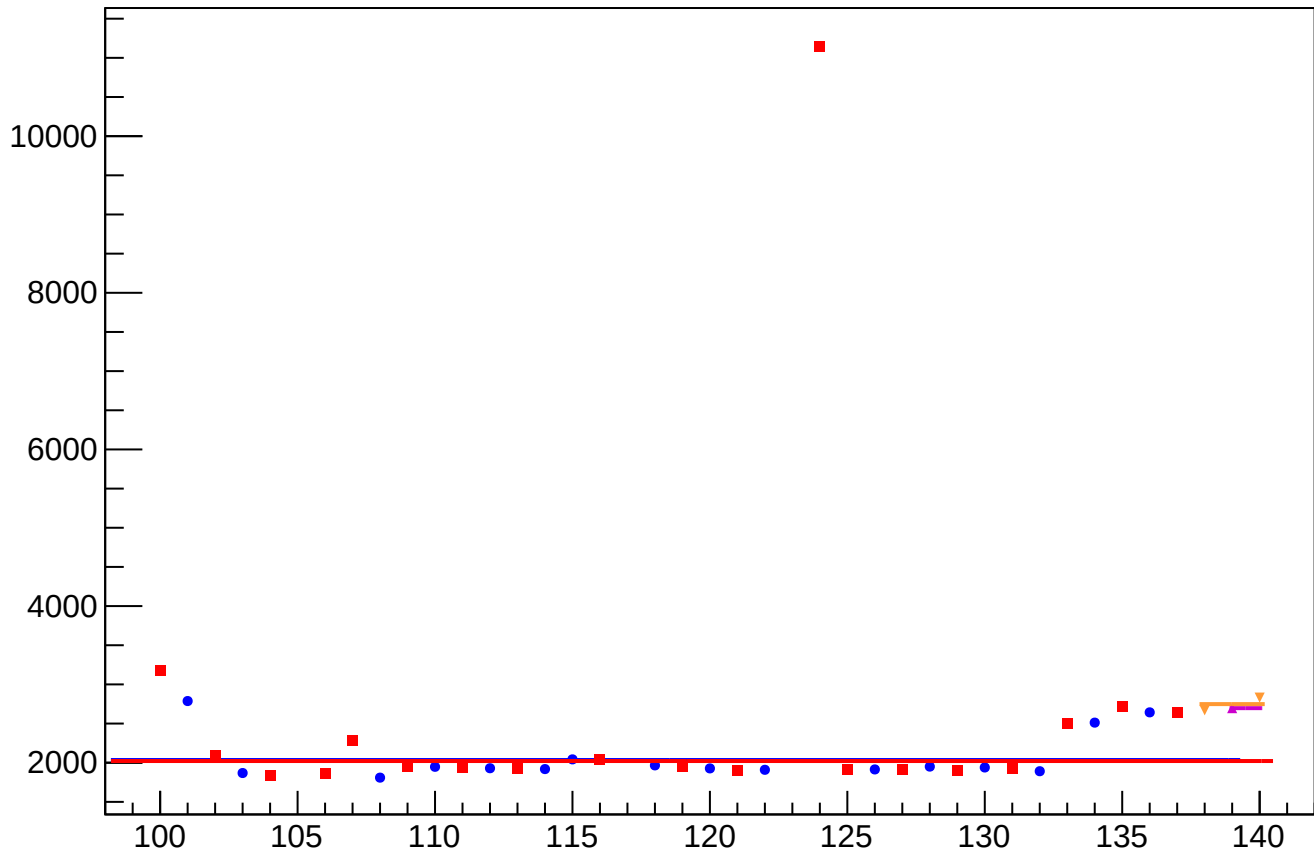
Left In: -1239.571 $\pm$ 2935.162 χ^2 /NDF:0.0/0

+ sign 1848.535 $\pm$ 720.491 χ^2 /NDF: 11.1/17

All: -122.402 $\pm$ 513.567 χ^2 /NDF: 44.6/37

- sign -2158.137 $\pm$ 732.239 χ^2 /NDF: 18.2/19

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF : 2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF : 390333.0/18

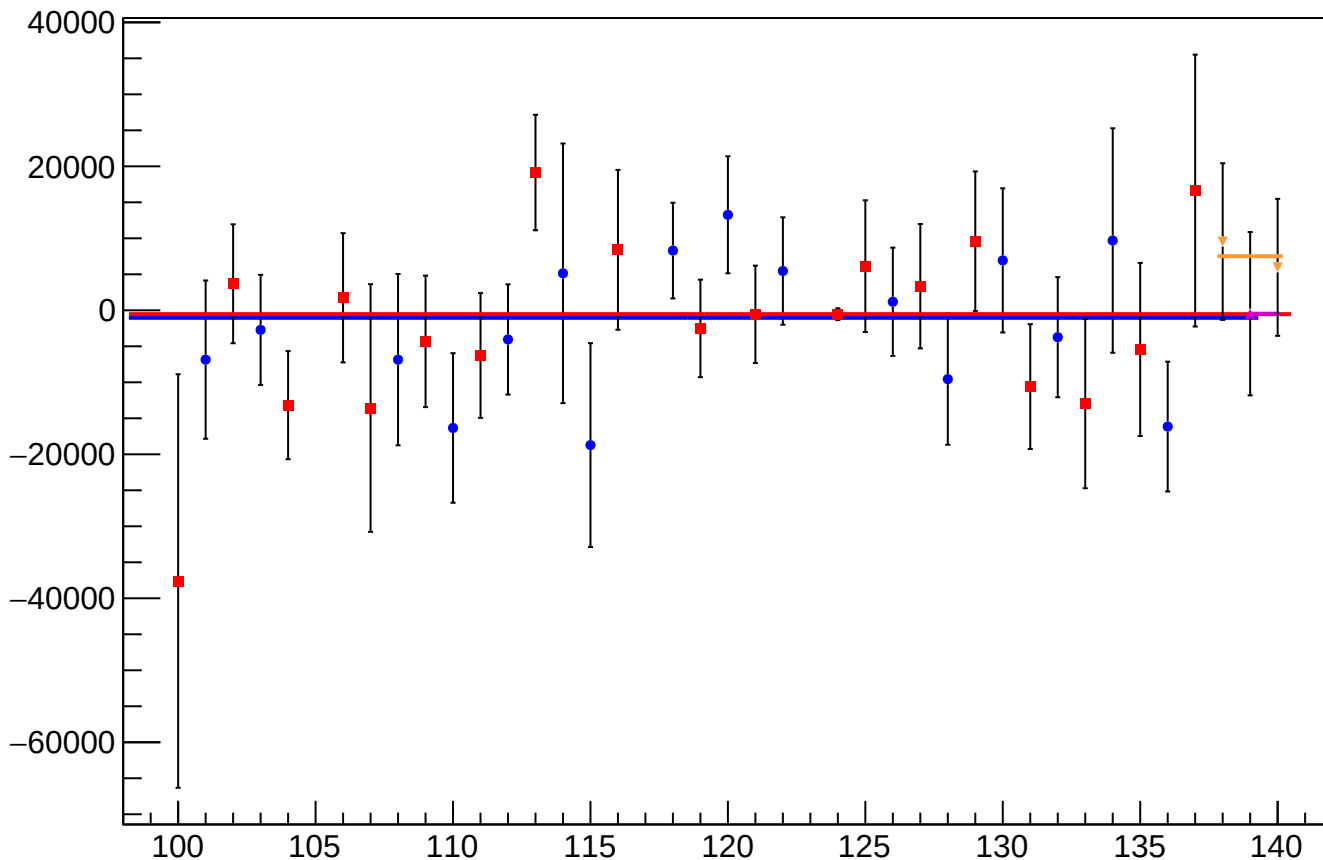
Left In: 2696.783+/-2.075 χ^2/NDF : 0.0/0

+ sign 2113.782+/-0.509 χ^2/NDF : 460466.1/17

All: 2089.091+/-0.363 χ^2/NDF : 954827.3/37

- sign 2063.589+/-0.518 χ^2/NDF : 489586.4/19

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 χ^2/NDF : 15.4/15

Left Out: 7520.323 ± 7162.449 χ^2/NDF : 0.1/1

Right Out: -530.662 ± 767.947 χ^2/NDF : 18.0/18

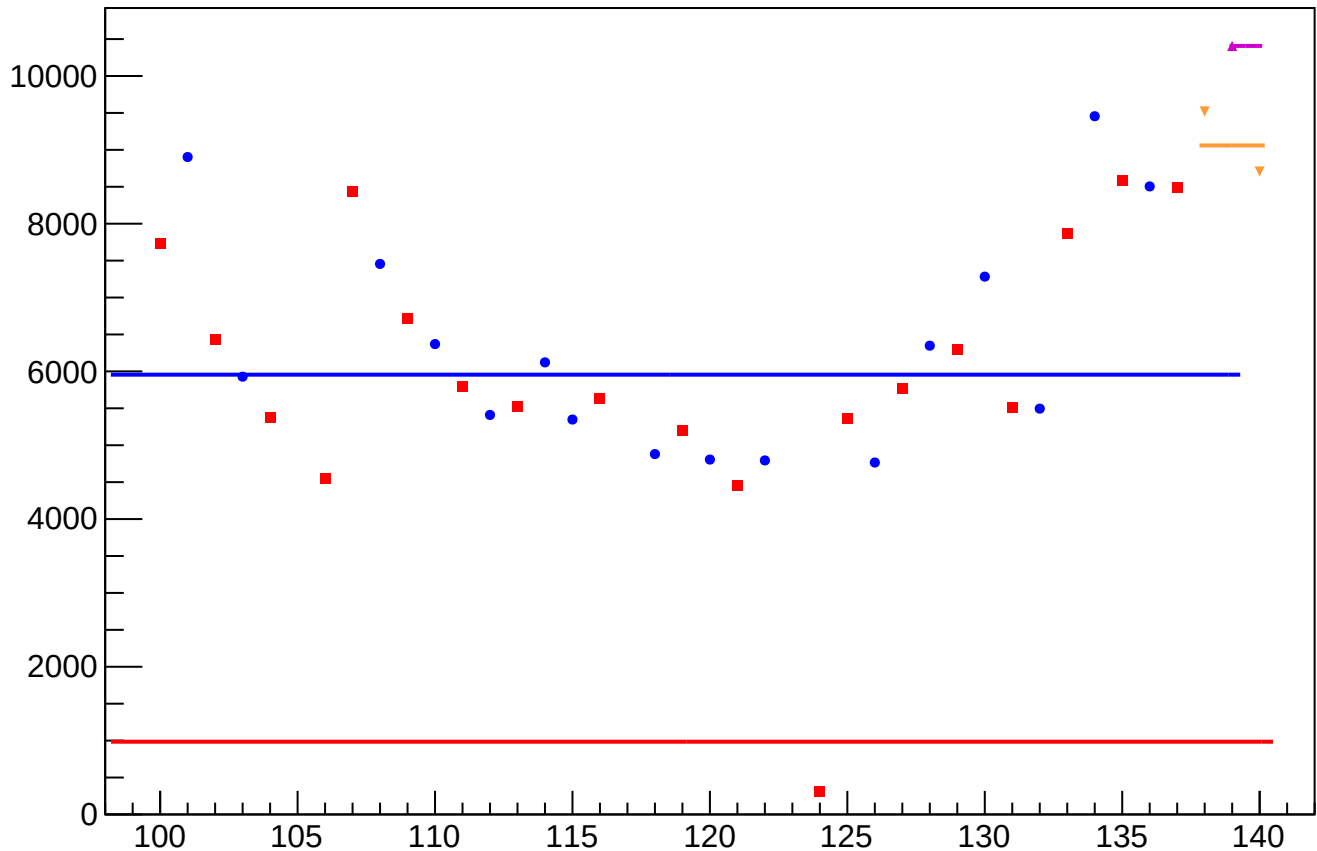
Left In: -471.827 ± 11341.535 χ^2/NDF : 0.0/0

+ sign -252.903 ± 2169.274 χ^2/NDF : 16.7/17

All: -499.615 ± 722.453 χ^2/NDF : 34.8/37

- sign -530.393 ± 766.193 χ^2/NDF : 18.0/19

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF : 689141.5/15

Left Out: 9059.417+/-5.065 χ^2/NDF : 6327.1/1

Right Out: 985.045+/-0.543 χ^2/NDF : 11412843.1/18

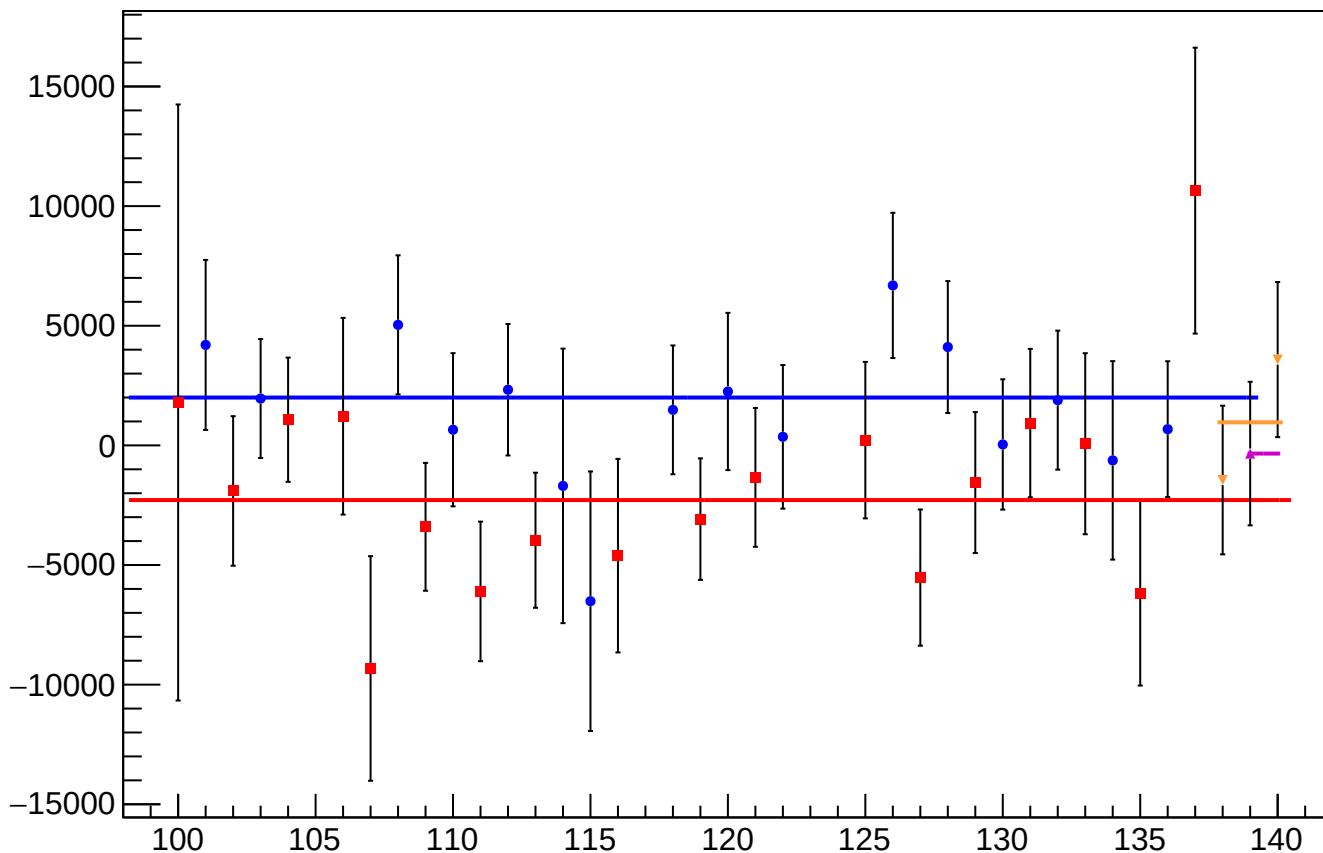
Left In: 10407.480+/-8.020 χ^2/NDF : 0.0/0

+ sign 6240.344+/-1.534 χ^2/NDF : 1036586.1/17

All: 1606.169+/-0.511 χ^2/NDF : 24089587.3/3

- sign 1028.047+/-0.542 χ^2/NDF : 12786967.6/19

dit_asym_atl2_mean vs Slug



Right In: 1999.214 $\pm$ 773.538 χ^2/NDF : 9.0/15

Left Out: 961.807 $\pm$ 2242.906 χ^2/NDF : 1.3/1

Right Out: -2285.899 $\pm$ 771.299 χ^2/NDF : 16.7/17

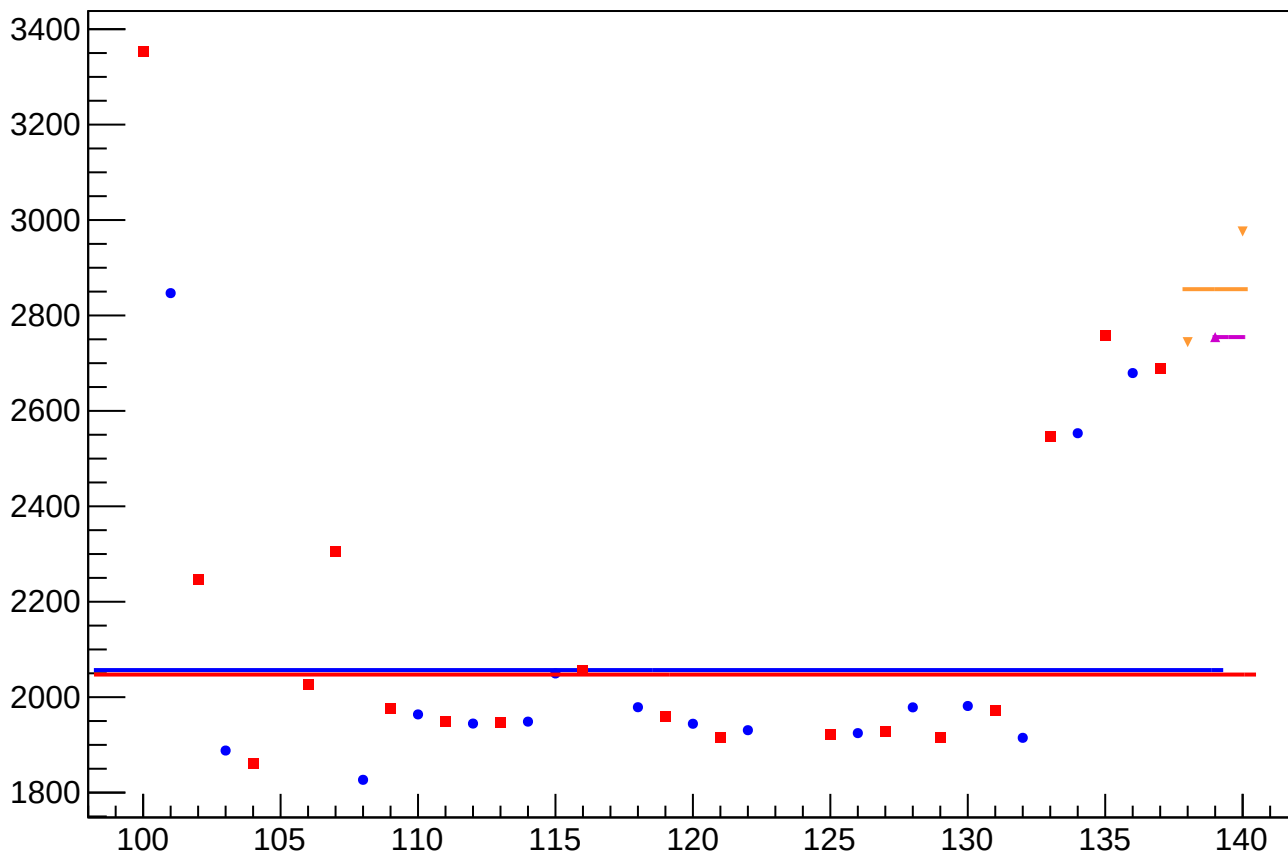
Left In: -342.520 $\pm$ 2999.897 χ^2/NDF : 0.0/0

+ sign 1888.938 $\pm$ 731.269 χ^2/NDF : 10.4/17

All: -95.083 $\pm$ 522.560 χ^2/NDF : 42.5/36

- sign -2165.399 $\pm$ 747.003 χ^2/NDF : 17.1/18

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF : 270454.5/15

Left Out: 2855.096+/-1.586 χ^2/NDF : 5340.8/1

Right Out: 2047.400+/-0.545 χ^2/NDF : 196523.0/17

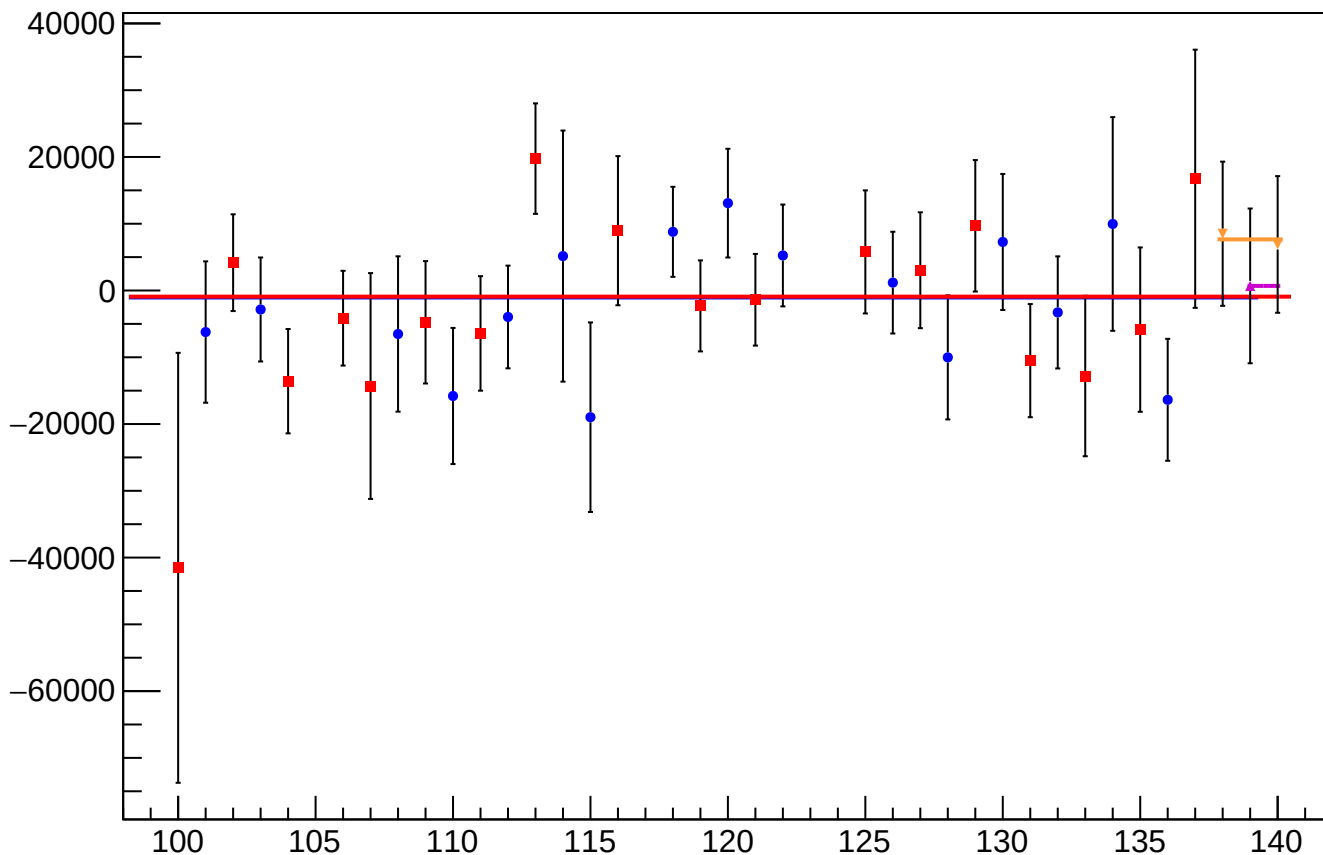
Left In: 2754.700+/-2.121 χ^2/NDF : 0.0/0

+ sign 2141.655+/-0.517 χ^2/NDF : 502224.7/17

All: 2116.896+/-0.369 χ^2/NDF : 807731.1/36

- sign 2091.133+/-0.527 χ^2/NDF : 300828.1/18

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF : 15.3/15

Left Out: 7655.746+/-7428.031 χ^2/NDF : 0.0/1

Right Out: -919.663+/-2150.895 χ^2/NDF : 18.4/17

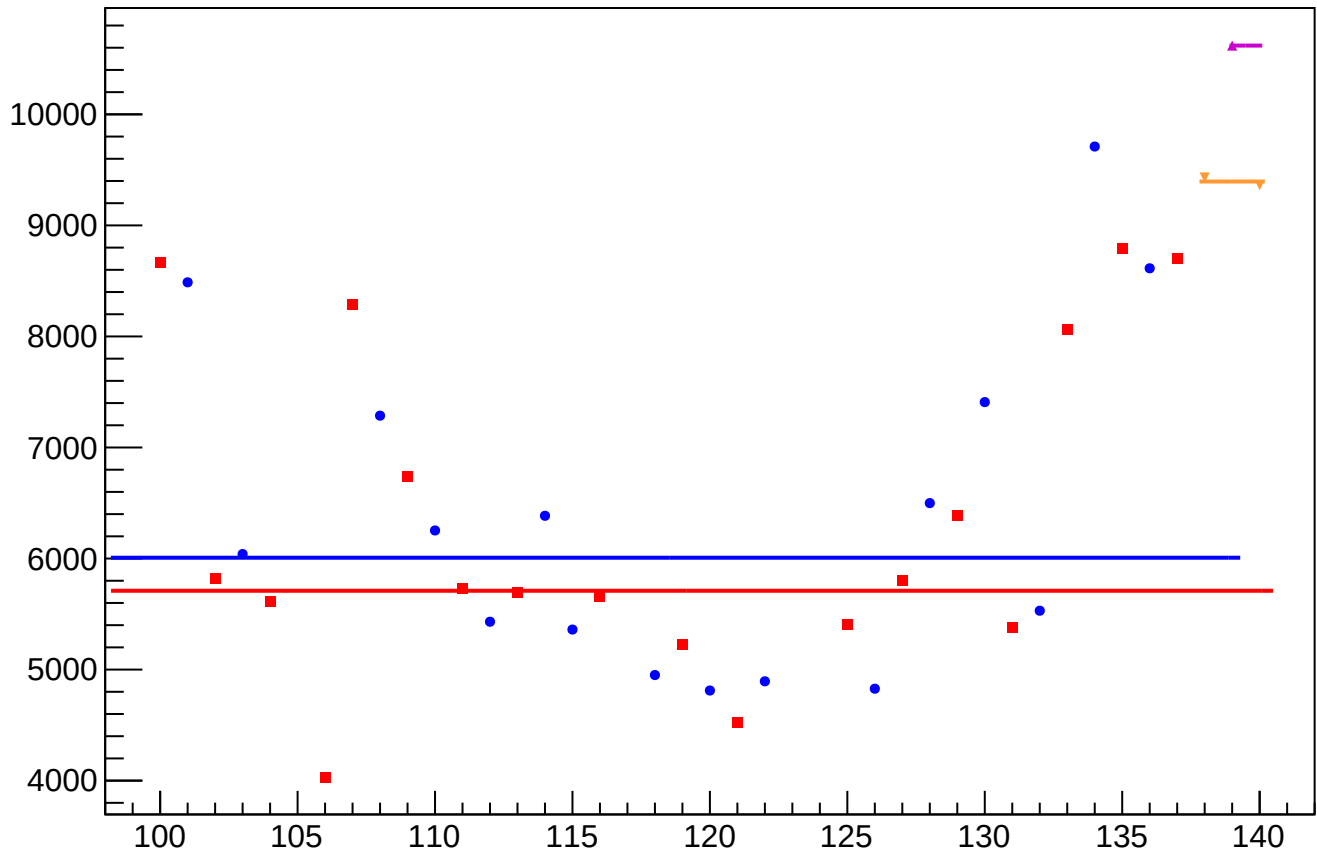
Left In: 689.931+/-11589.407 χ^2/NDF : 0.0/0

+ sign -284.778+/-2192.384 χ^2/NDF : 16.6/17

All: -585.893+/-1522.072 χ^2/NDF : 35.0/36

- sign -866.067+/-2114.782 χ^2/NDF : 18.4/18

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF : 653996.7/15

Left Out: 9395.227+/-5.252 χ^2/NDF : 43.3/1

Right Out: 5709.903+/-1.521 χ^2/NDF : 535926.2/17

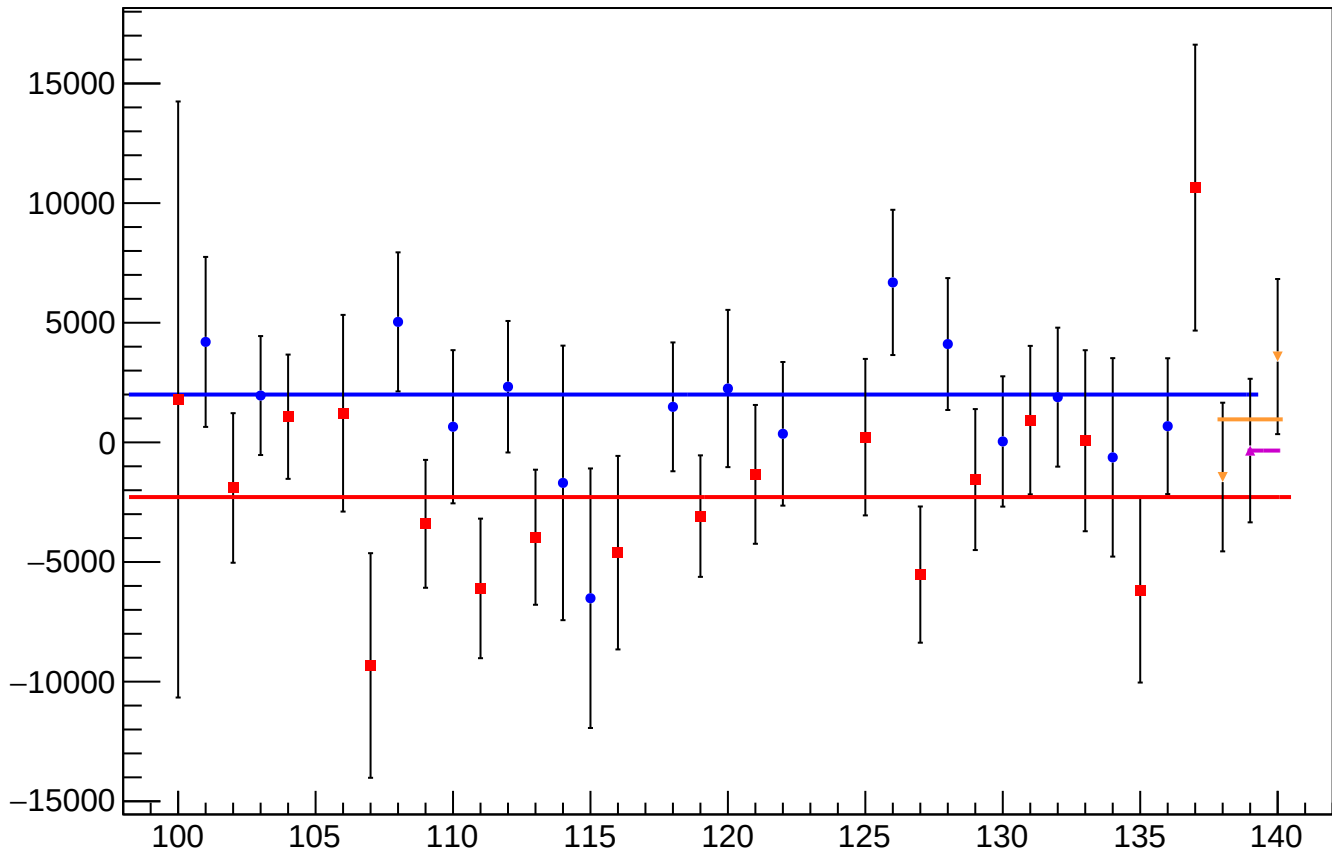
Left In: 10619.323+/-8.195 χ^2/NDF : 0.0/0

+ sign 6302.548+/-1.550 χ^2/NDF : 1033823.0/17

All: 6080.231+/-1.076 χ^2/NDF : 1956395.8/30

- sign 5873.373+/-1.495 χ^2/NDF : 882871.4/18

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF : 9.0/15

Left Out: 961.825+/-2242.907 χ^2/NDF : 1.3/1

Right Out: -2285.903+/-771.299 χ^2/NDF : 16.7/17

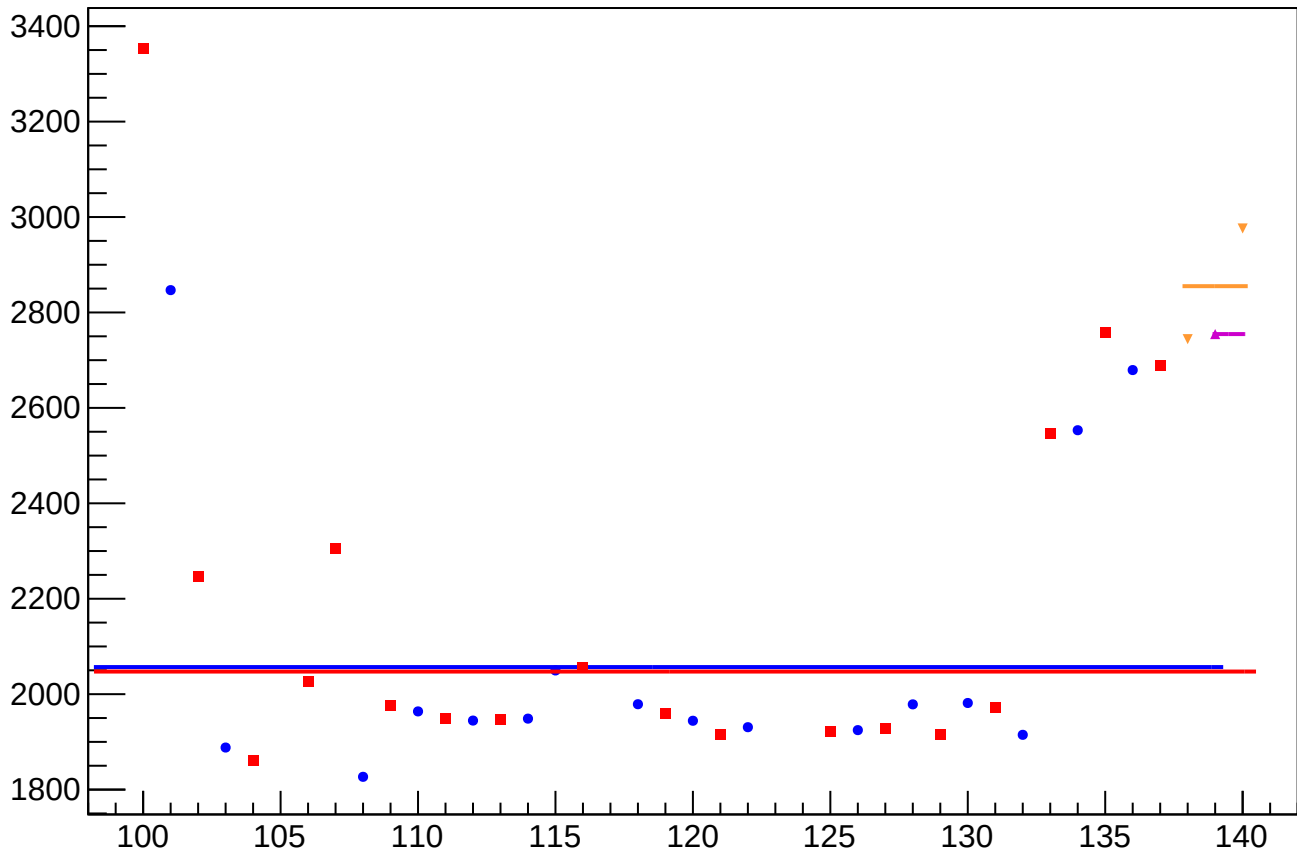
Left In: -342.521+/-2999.901 χ^2/NDF : 0.0/0

+ sign 1888.944+/-731.269 χ^2/NDF : 10.4/17

All: -95.082+/-522.560 χ^2/NDF : 42.5/36

- sign -2165.403+/-747.003 χ^2/NDF : 17.1/18

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF : 270454.5/15

Left Out: 2855.098+/-1.586 χ^2/NDF : 5341.0/1

Right Out: 2047.400+/-0.545 χ^2/NDF : 196523.3/17

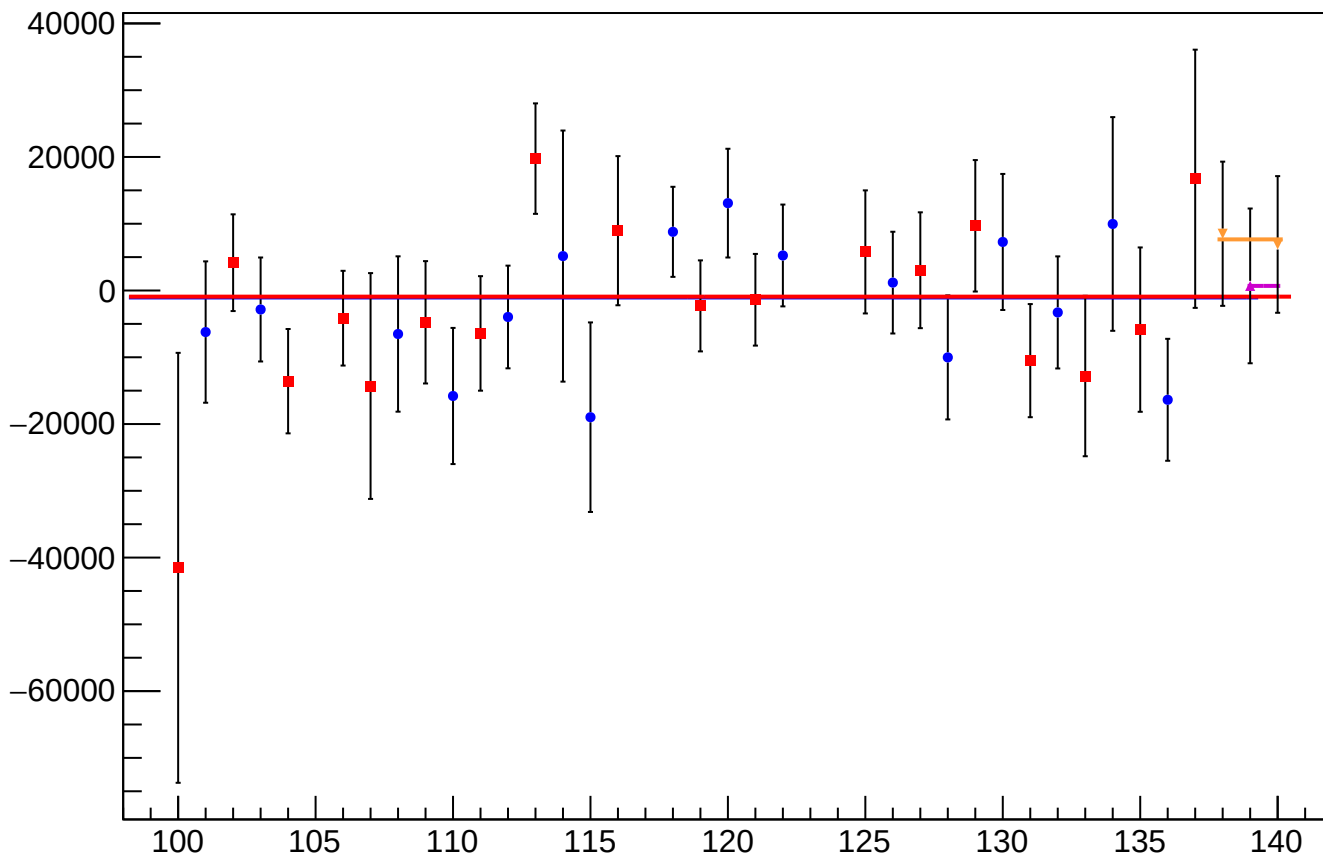
Left In: 2754.703+/-2.121 χ^2/NDF : 0.0/0

+ sign 2141.655+/-0.517 χ^2/NDF : 502225.2/17

All: 2116.896+/-0.369 χ^2/NDF : 807732.7/36

- sign 2091.133+/-0.527 χ^2/NDF : 300829.1/18

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503 $\pm$ 2294.600 χ^2 /NDF: 15.3/15

Left Out: 7655.761 $\pm$ 7428.050 χ^2 /NDF: 0.0/1

Right Out: -919.667 $\pm$ 2150.889 χ^2 /NDF: 18.4/17

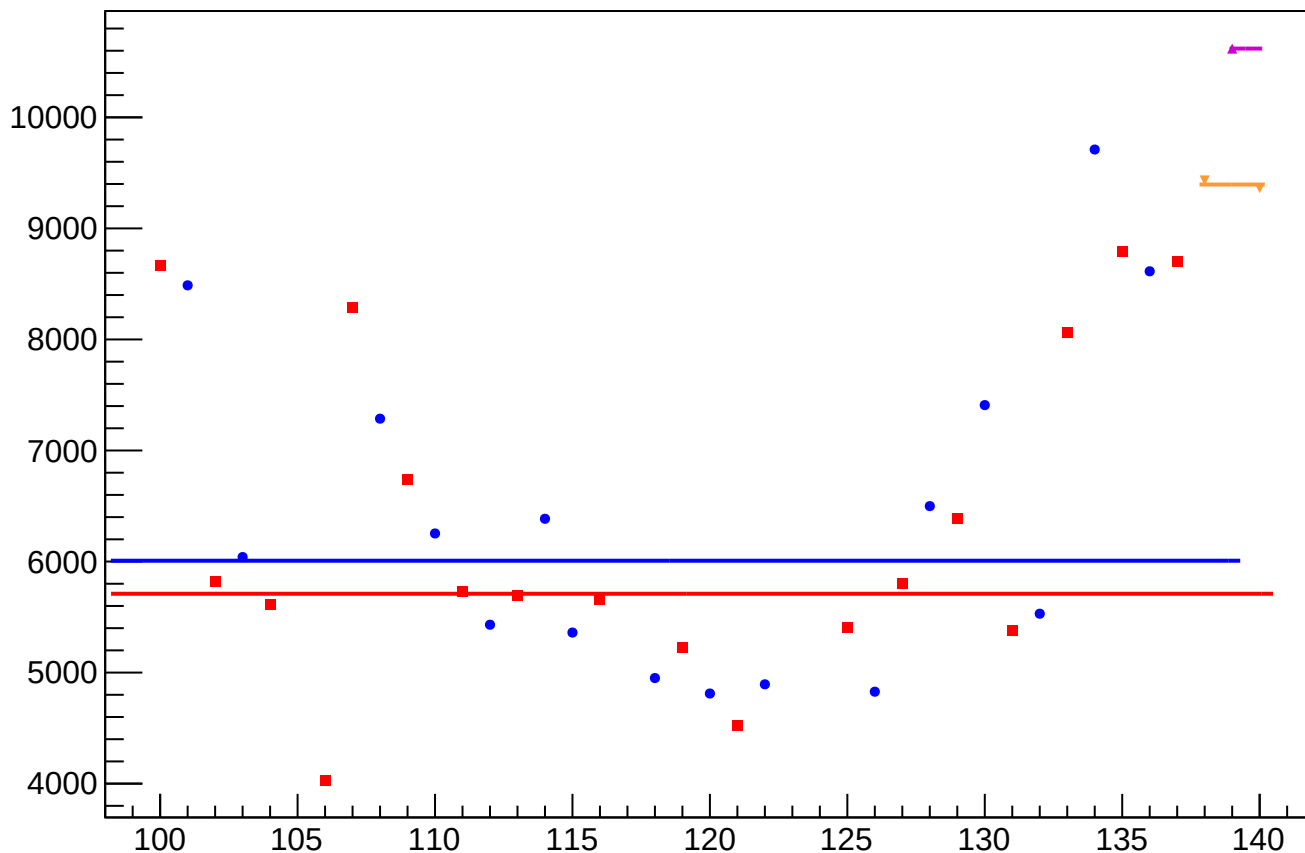
Left In: 689.918 $\pm$ 11589.449 χ^2 /NDF: 0.0/0

+ sign -284.774 $\pm$ 2192.379 χ^2 /NDF: 16.6/17

All: -585.893 $\pm$ 1522.068 χ^2 /NDF: 35.0/36

- sign -866.073 $\pm$ 2114.777 χ^2 /NDF: 18.4/18

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2 /NDF: 654004.9/15

Left Out: 9395.251+/-5.252 χ^2 /NDF:43.3/1

Right Out: 5709.885+/-1.521 χ^2 /NDF: 535929.9/17

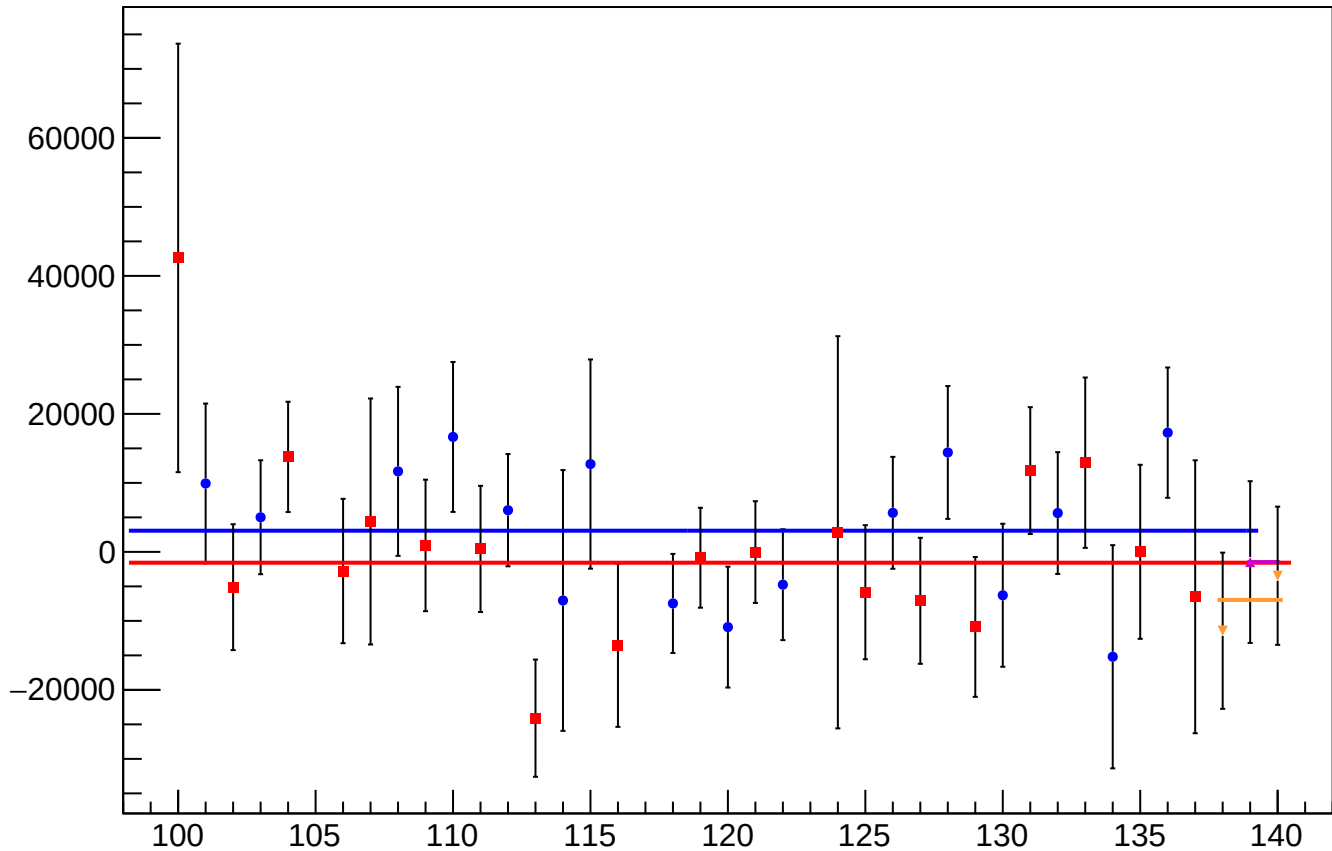
Left In: 10619.362+/-8.195 χ^2 /NDF:0.0/0

+ sign 6302.529+/-1.550 χ^2 /NDF: 1033839.5/17

All: 6080.213+/-1.076 χ^2 /NDF: 1956421.5/30

- sign 5873.356+/-1.495 χ^2 /NDF: 882880.7/18

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF : 14.9/15

Left Out: -6958.791+/-7500.925 χ^2/NDF : 0.3/1

Right Out: -1567.088+/-2335.884 χ^2/NDF : 19.2/18

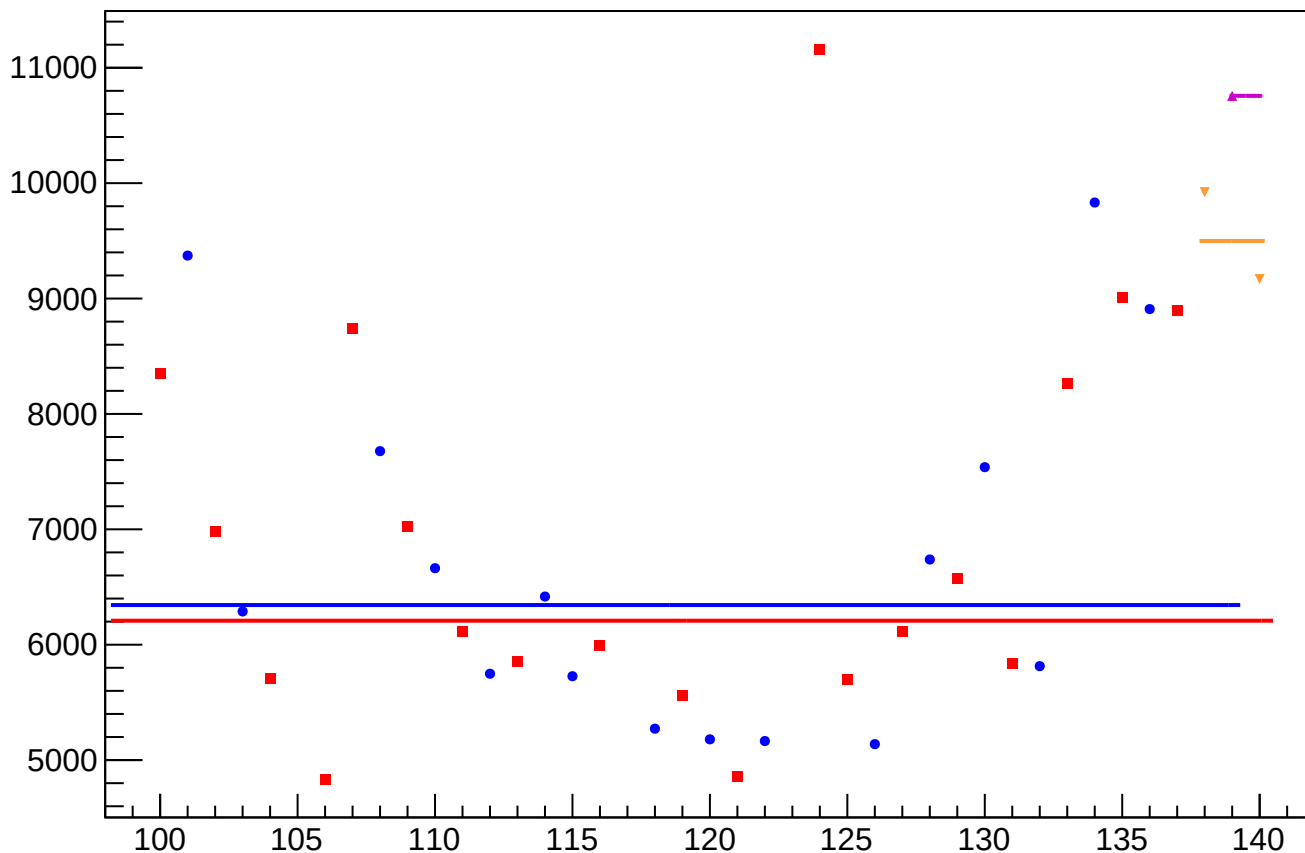
Left In: -1474.544+/-11720.042 χ^2/NDF : 0.0/0

+ sign 2124.289+/-2303.725 χ^2/NDF : 16.8/17

All: 270.016+/-1624.400 χ^2/NDF : 37.3/37

- sign -1563.552+/-2290.827 χ^2/NDF : 19.2/19

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF : 621240.2/15

Left Out: 9499.178+/-5.304 χ^2/NDF : 4966.5/1

Right Out: 6208.099+/-1.652 χ^2/NDF : 471840.9/18

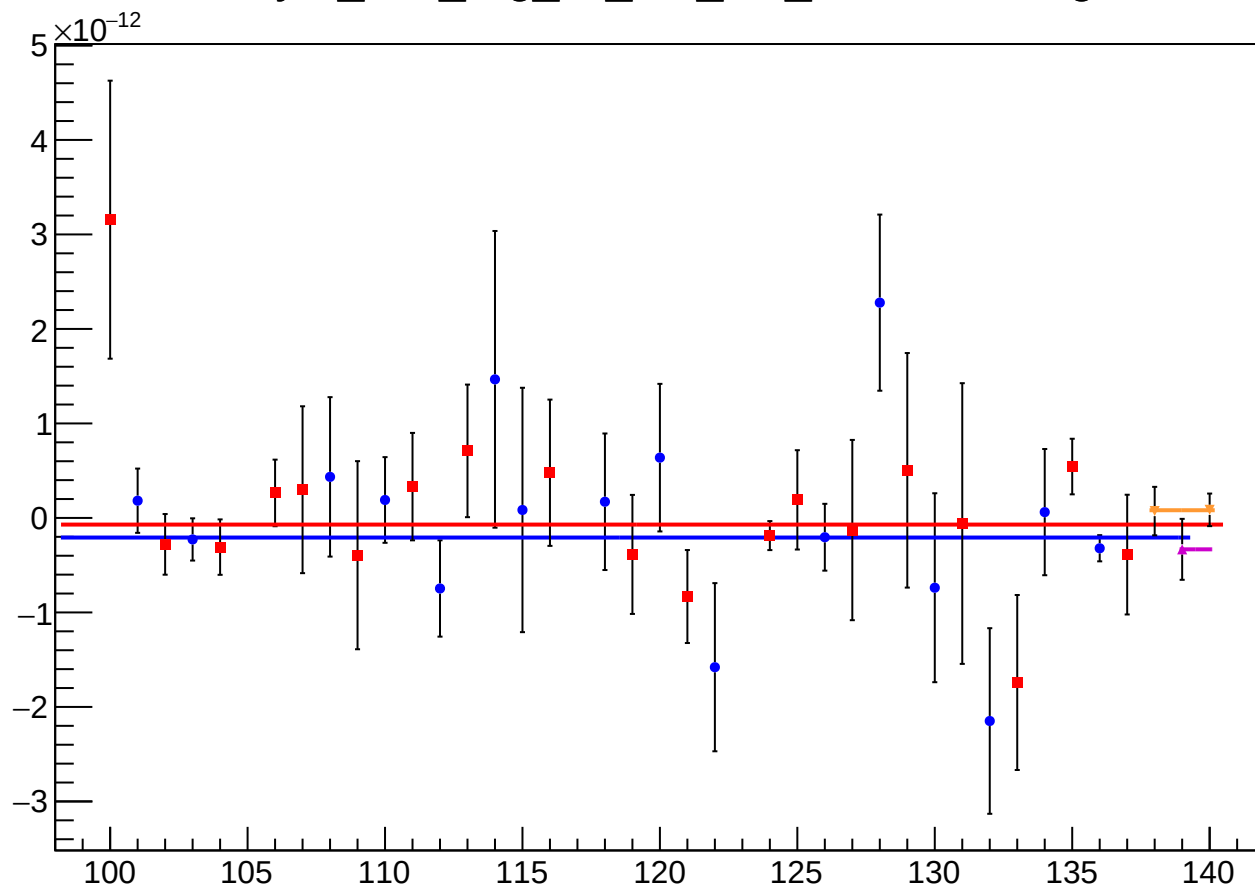
Left In: 10756.506+/-8.287 χ^2/NDF : 0.0/0

+ sign 6641.430+/-1.629 χ^2/NDF : 946742.2/17

All: 6510.923+/-1.149 χ^2/NDF : 1721064.6/37

- sign 6381.873+/-1.620 χ^2/NDF : 761556.9/19

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 : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.9/18

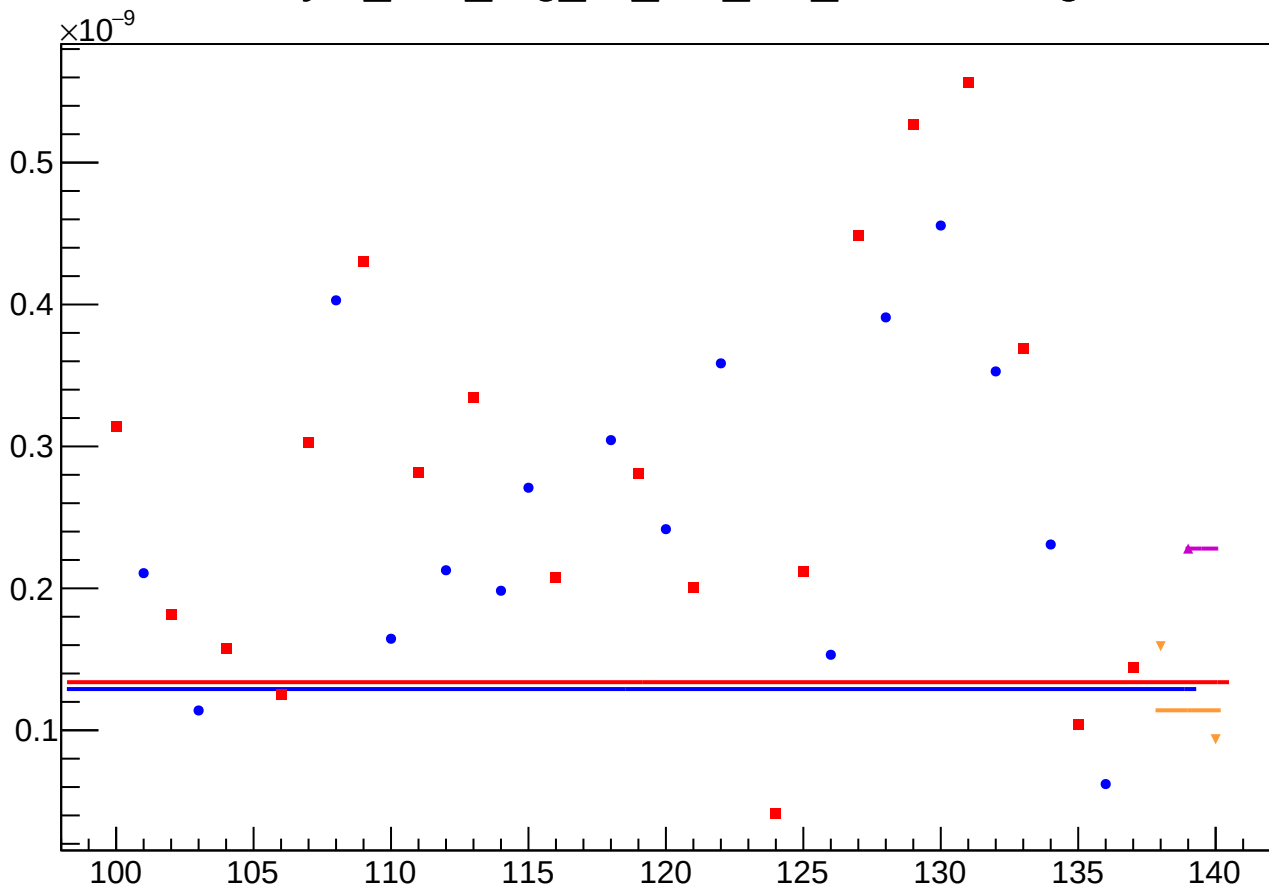
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 23.8/17

All: -0.000 ± 0.000 χ^2/NDF : 45.3/37

- sign -0.000 ± 0.000 χ^2/NDF : 21.5/19

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 90103.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2304489.5/18

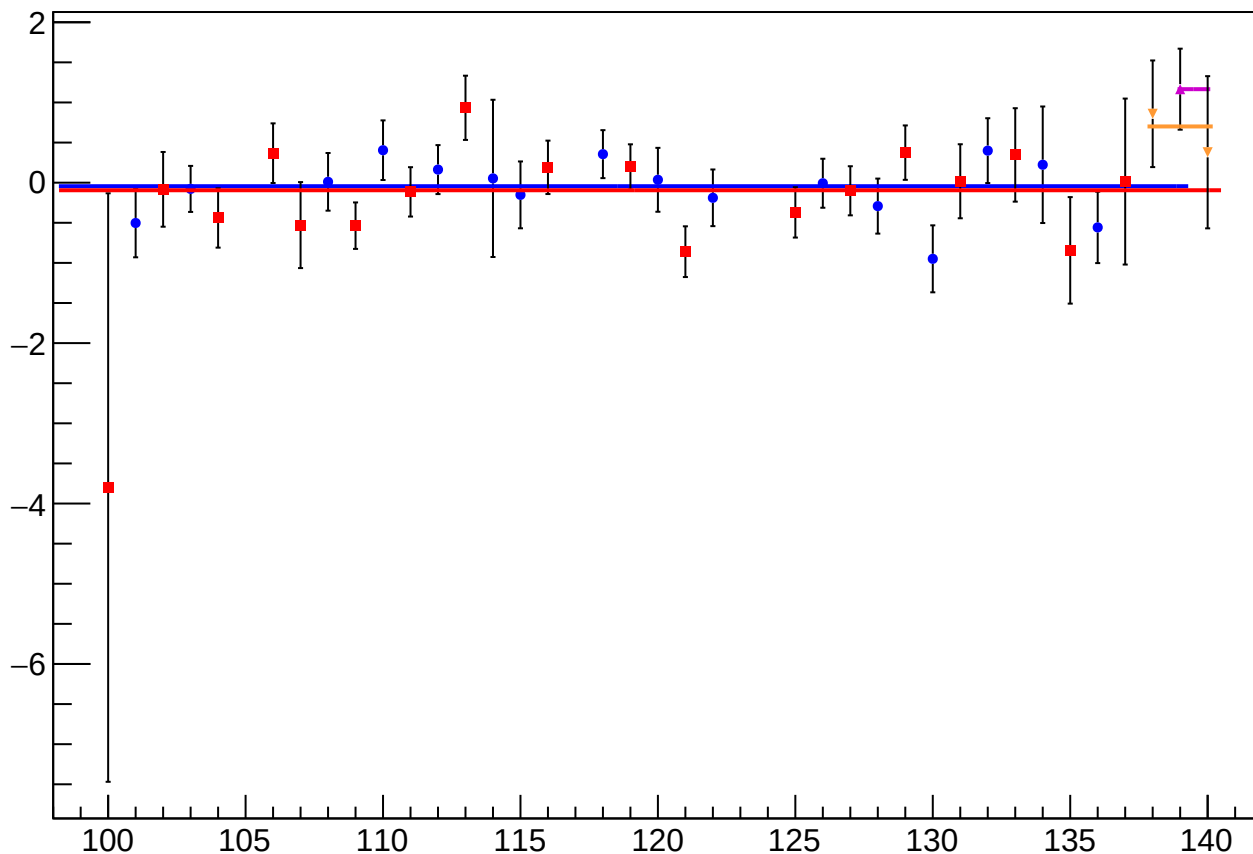
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1825612.5/17

All: 0.000+/-0.000 χ^2/NDF : 4326414.6/37

- sign 0.000+/-0.000 χ^2/NDF : 2461180.1/19

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.701 ± 0.544 χ^2/NDF : 0.2/1

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

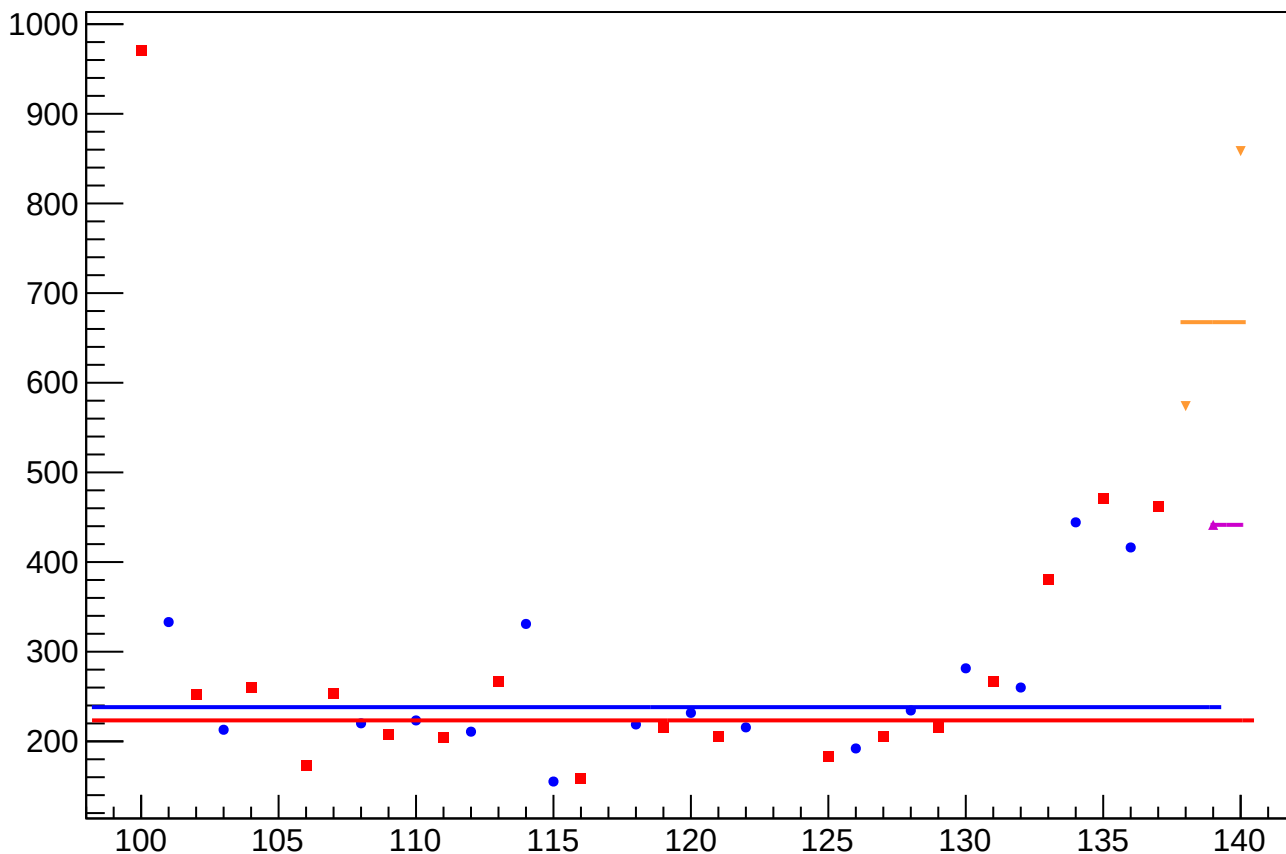
Left In: 1.166 ± 0.505 χ^2/NDF : 0.0/0

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.040 ± 0.064 χ^2/NDF : 46.5/36

- sign -0.056 ± 0.089 χ^2/NDF : 31.3/18

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF : 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF : 120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF : 862425.5/17

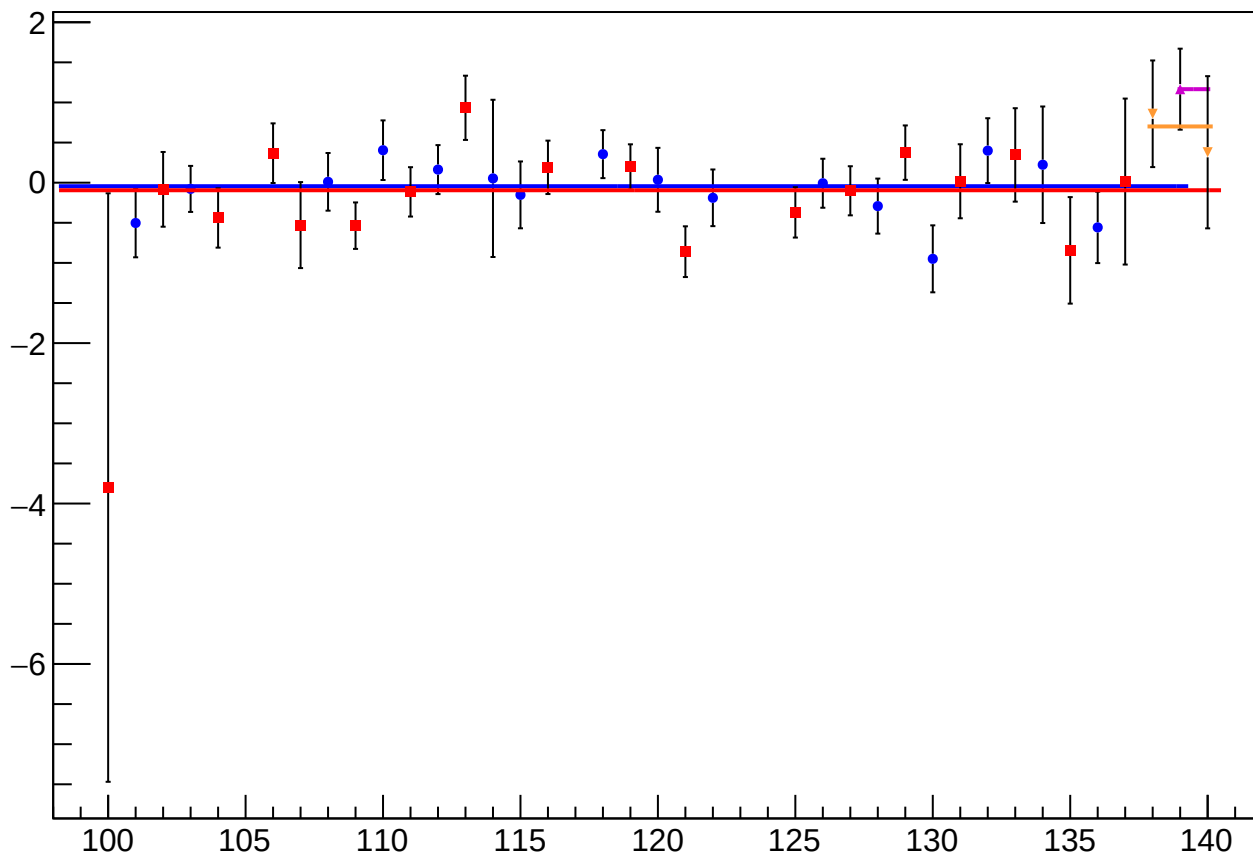
Left In: 441.503+/-0.357 χ^2/NDF : 0.0/0

+ sign 250.547+/-0.065 χ^2/NDF : 2136499.8/17

All: 239.899+/-0.045 χ^2/NDF : 3411544.9/36

- sign 230.109+/-0.063 χ^2/NDF : 1224108.5/18

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.701 ± 0.544 χ^2/NDF : 0.2/1

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

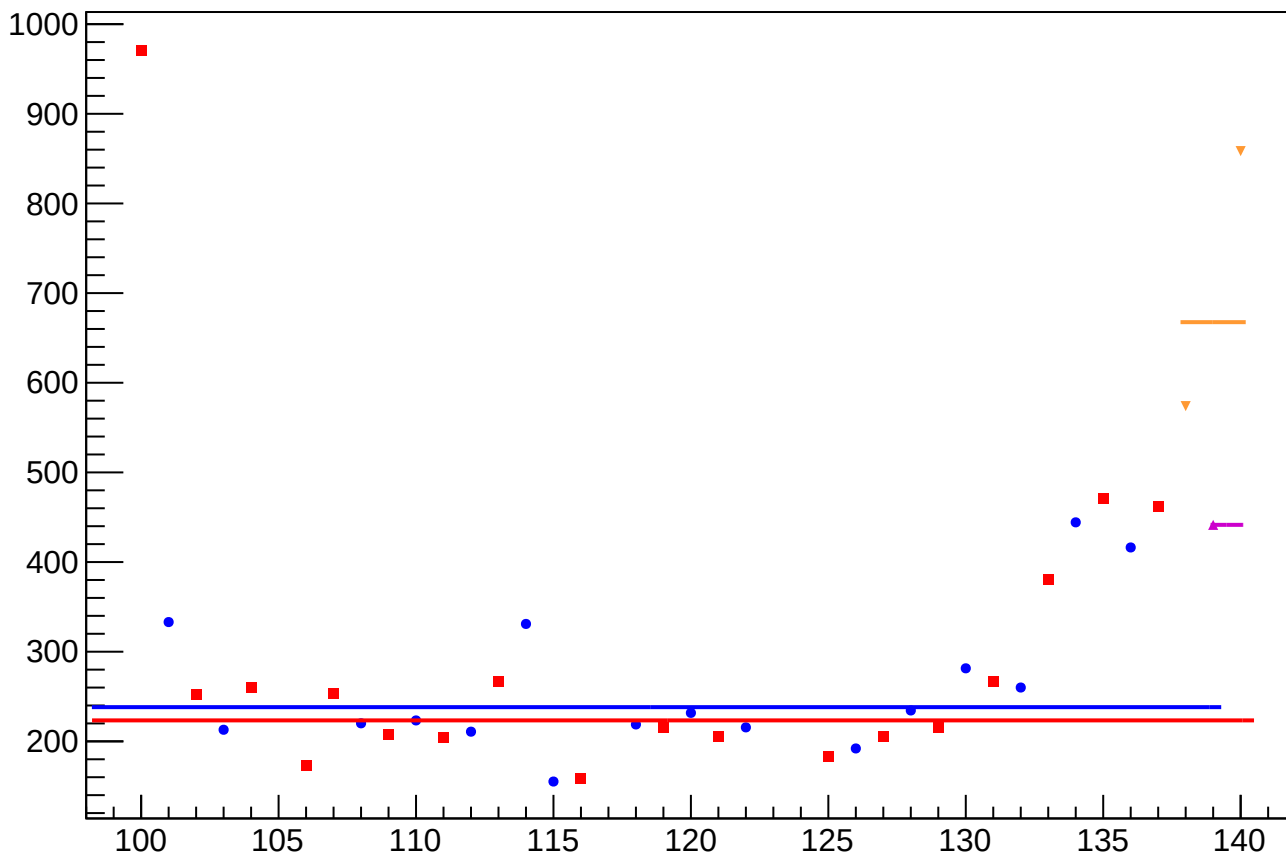
Left In: 1.166 ± 0.505 χ^2/NDF : 0.0/0

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.040 ± 0.064 χ^2/NDF : 46.5/36

- sign -0.056 ± 0.089 χ^2/NDF : 31.3/18

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165 $\pm$ 0.066 χ^2 /NDF: 807205.2/15

Left Out: 667.593 $\pm$ 0.385 χ^2 /NDF:120609.7/1

Right Out: 223.388 $\pm$ 0.064 χ^2 /NDF: 862425.5/17

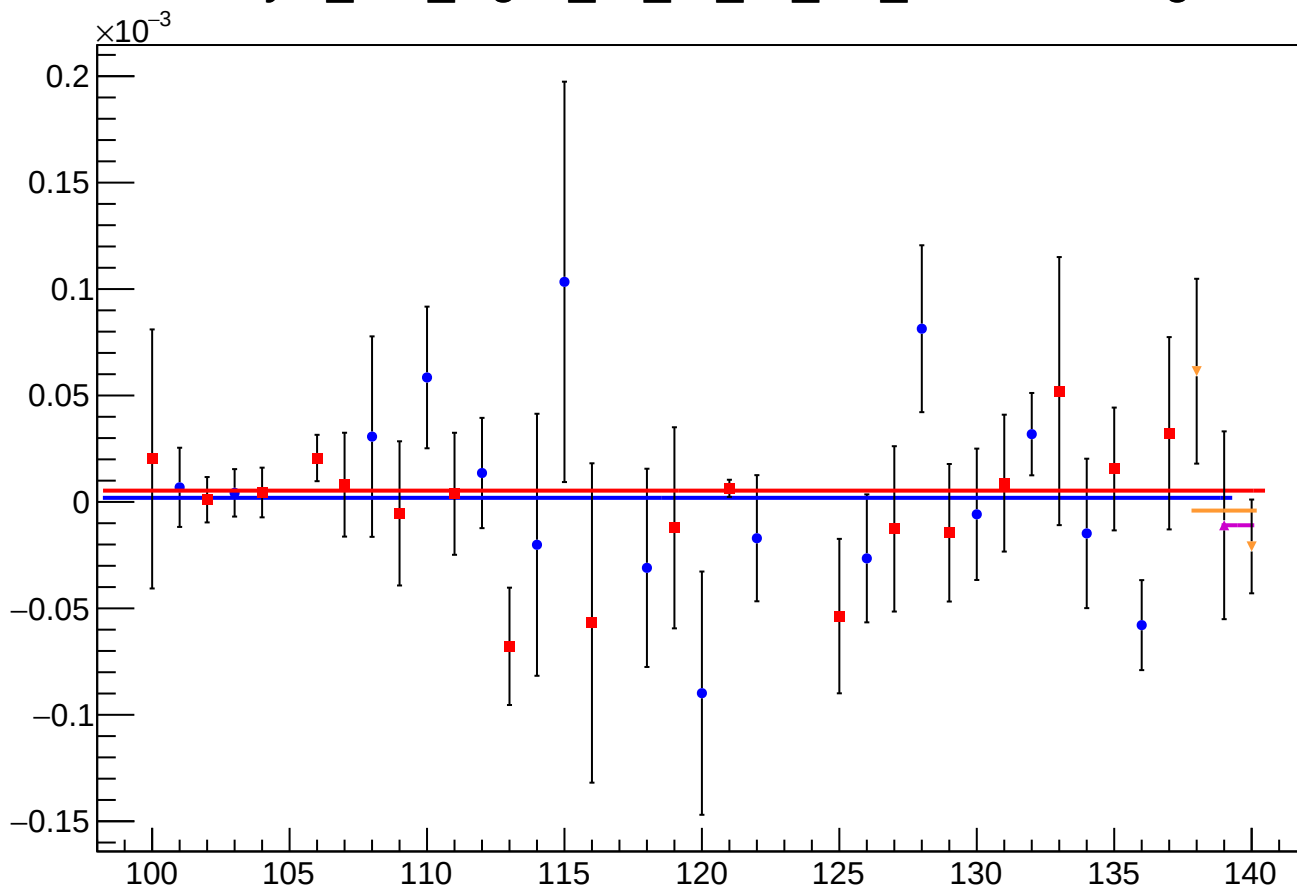
Left In: 441.503 $\pm$ 0.357 χ^2 /NDF:0.0/0

+ sign 250.547 $\pm$ 0.065 χ^2 /NDF: 2136499.8/17

All: 239.899 $\pm$ 0.045 χ^2 /NDF: 3411544.9/36

- sign 230.109 $\pm$ 0.063 χ^2 /NDF: 1224108.5/18

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/17

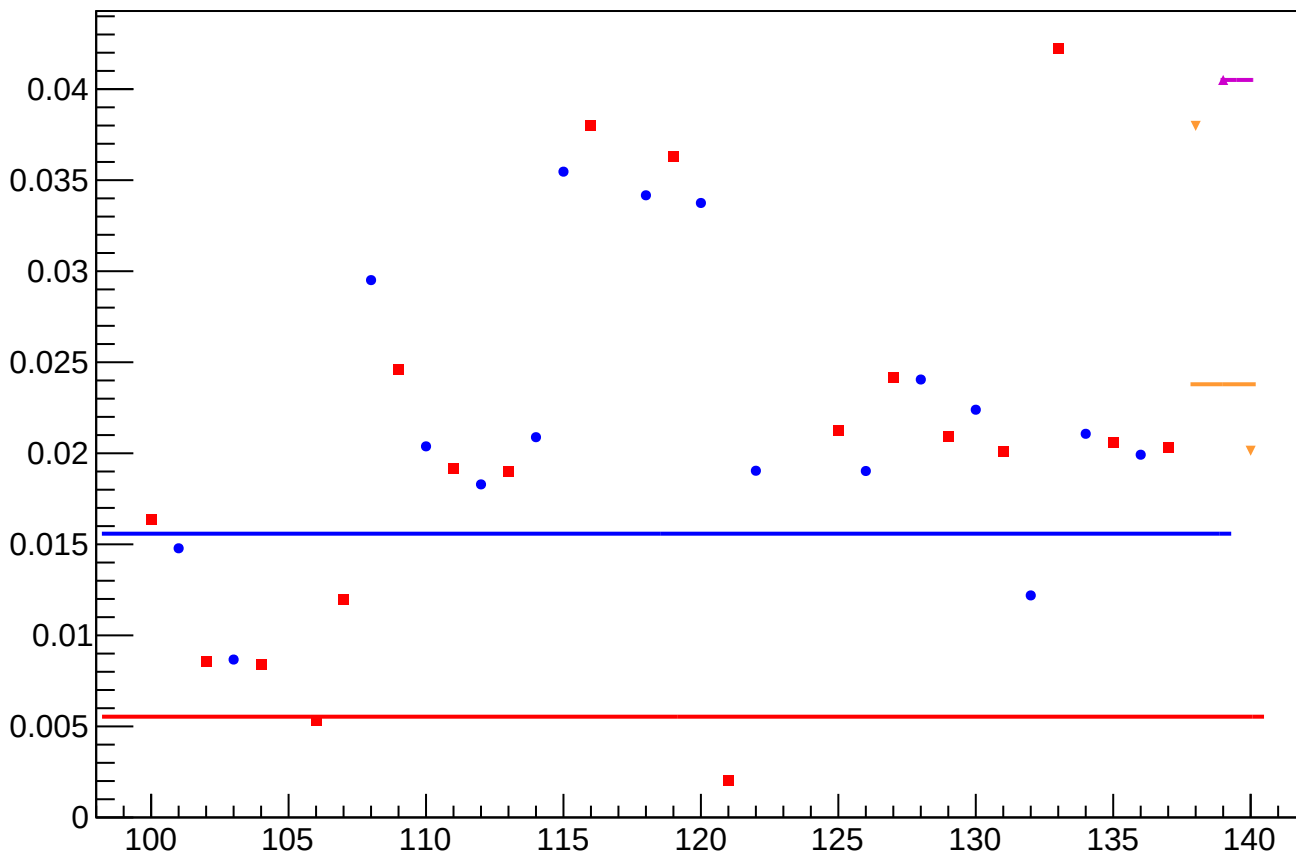
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/18

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016 ± 0.000 χ^2/NDF : 2074656.7/15

Left Out: 0.024 ± 0.000 χ^2/NDF : 268622.3/1

Right Out: 0.006 ± 0.000 χ^2/NDF : 7954965.8/17

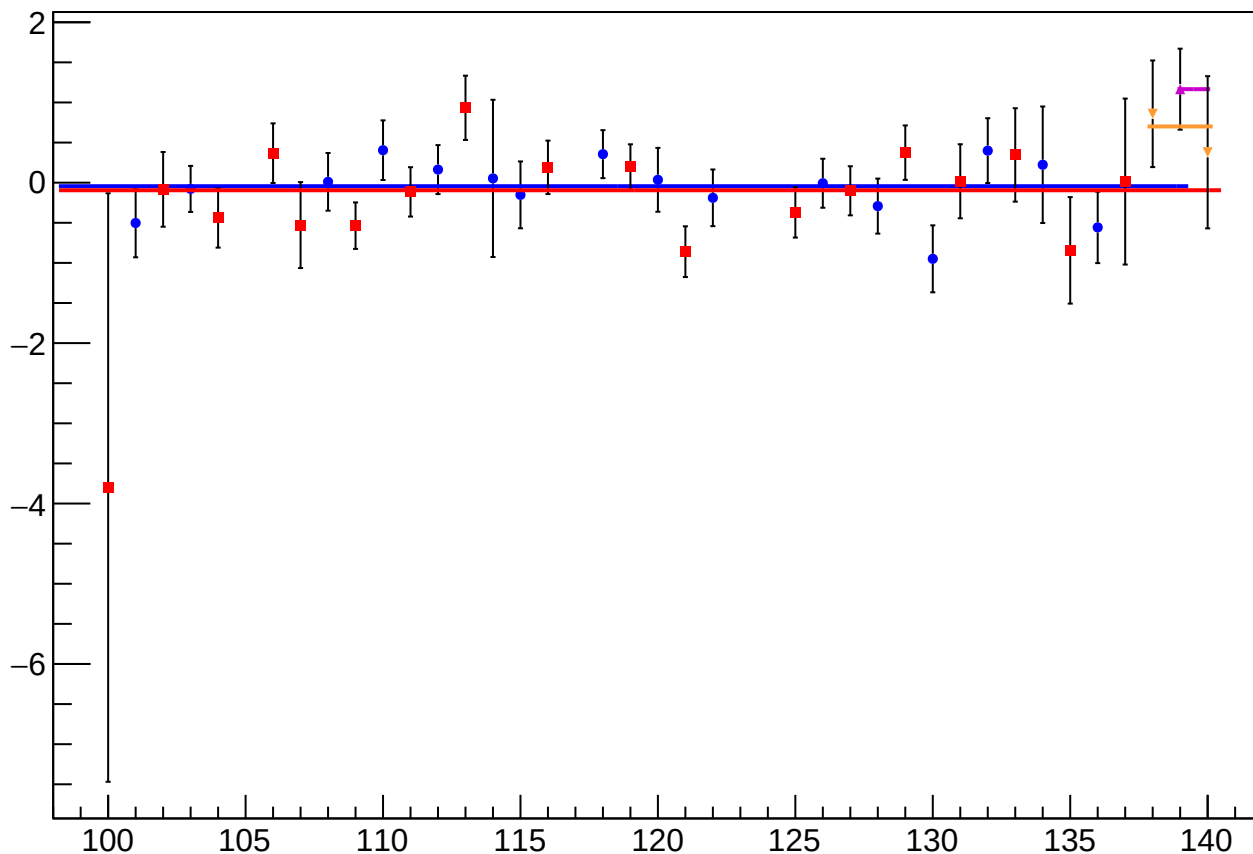
Left In: 0.041 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.016 ± 0.000 χ^2/NDF : 2659188.3/17

All: 0.008 ± 0.000 χ^2/NDF : 16695405.0/36

- sign 0.006 ± 0.000 χ^2/NDF : 9205301.6/18

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.701 ± 0.544 χ^2/NDF : 0.2/1

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

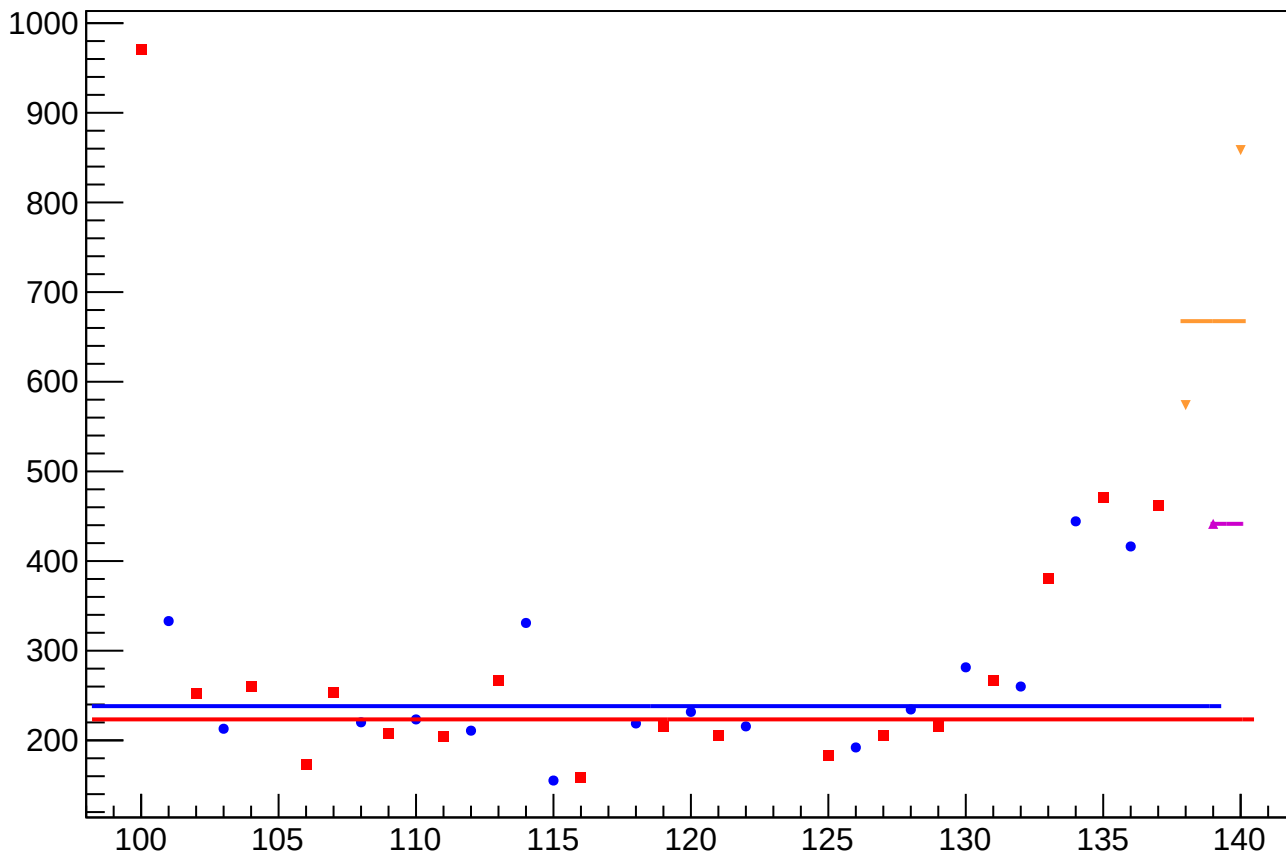
Left In: 1.166 ± 0.505 χ^2/NDF : 0.0/0

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.040 ± 0.064 χ^2/NDF : 46.5/36

- sign -0.056 ± 0.089 χ^2/NDF : 31.3/18

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165 ± 0.066 $\chi^2/\text{NDF}: 807170.1/15$

Left Out: 667.598 ± 0.385 $\chi^2/\text{NDF}: 120614.1/1$

Right Out: 223.390 ± 0.064 $\chi^2/\text{NDF}: 862366.3/17$

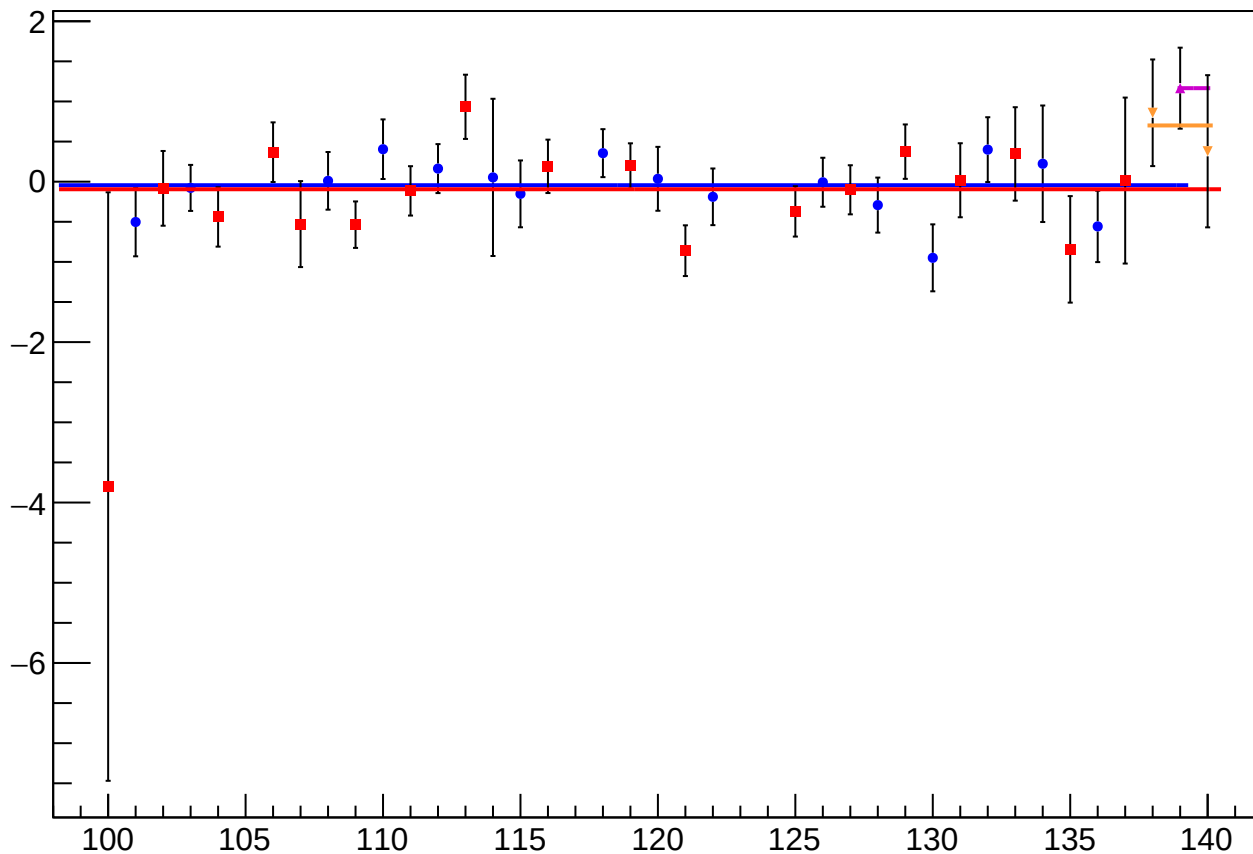
Left In: 441.515 ± 0.357 $\chi^2/\text{NDF}: 0.0/0$

+ sign 250.547 ± 0.065 $\chi^2/\text{NDF}: 2136477.2/17$

All: 239.900 ± 0.045 $\chi^2/\text{NDF}: 3411475.3/36$

- sign 230.110 ± 0.063 $\chi^2/\text{NDF}: 1224066.1/18$

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.701 ± 0.544 χ^2/NDF : 0.2/1

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

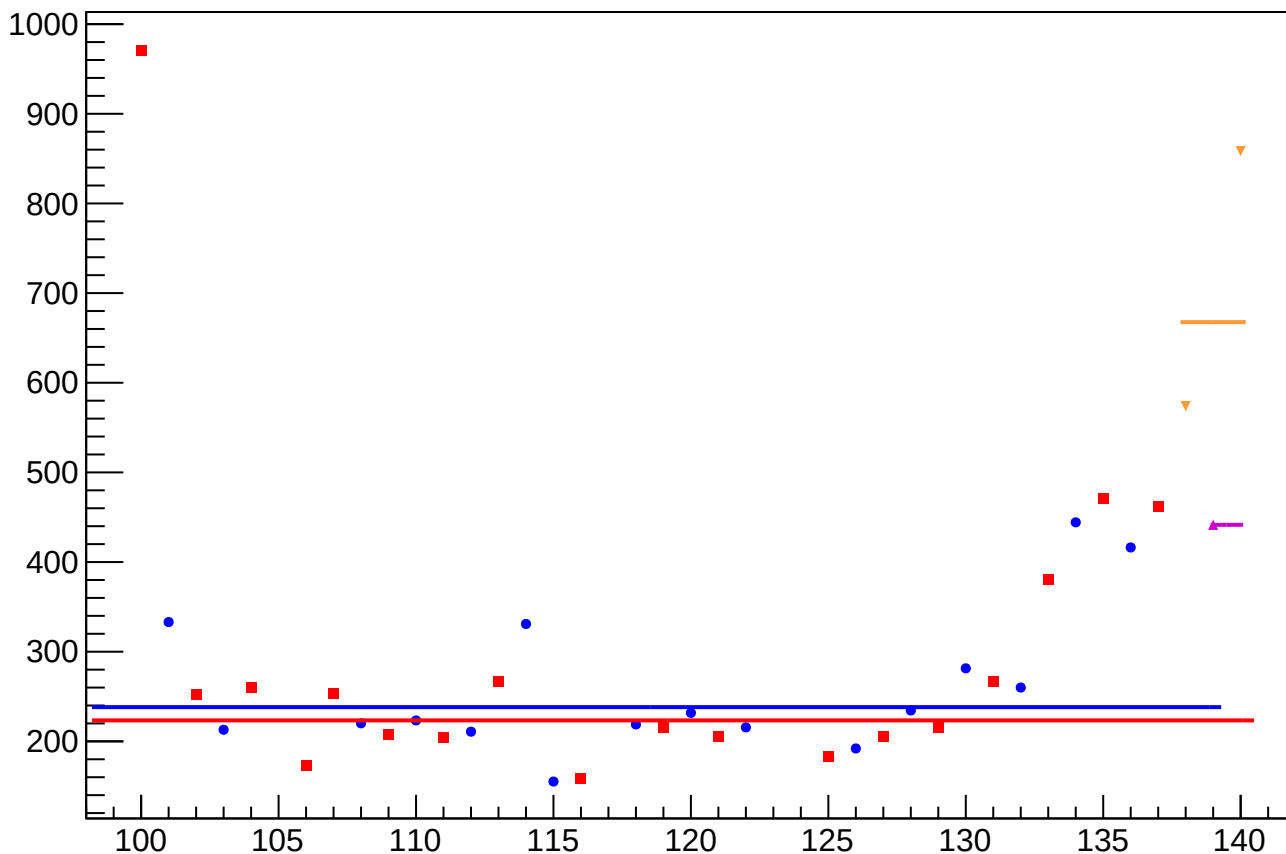
Left In: 1.166 ± 0.505 χ^2/NDF : 0.0/0

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.040 ± 0.064 χ^2/NDF : 46.5/36

- sign -0.056 ± 0.089 χ^2/NDF : 31.3/18

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165 ± 0.066 χ^2/NDF : 807170.1/15

Left Out: 667.598 ± 0.385 χ^2/NDF : 120614.1/1

Right Out: 223.390 ± 0.064 χ^2/NDF : 862366.3/17

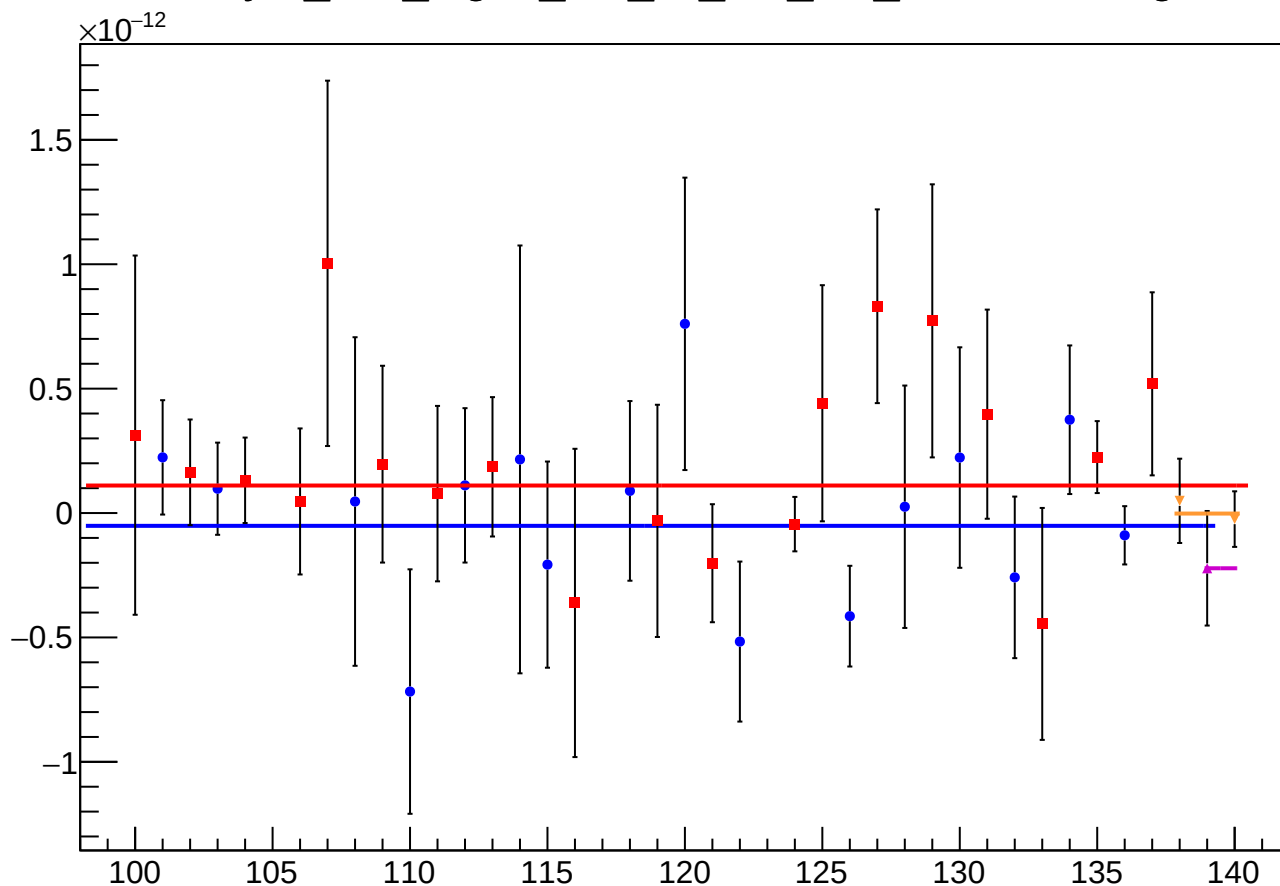
Left In: 441.515 ± 0.357 χ^2/NDF : 0.0/0

+ sign 250.547 ± 0.065 χ^2/NDF : 2136477.2/17

All: 239.900 ± 0.045 χ^2/NDF : 3411475.3/36

- sign 230.110 ± 0.063 χ^2/NDF : 1224066.1/18

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.3/18

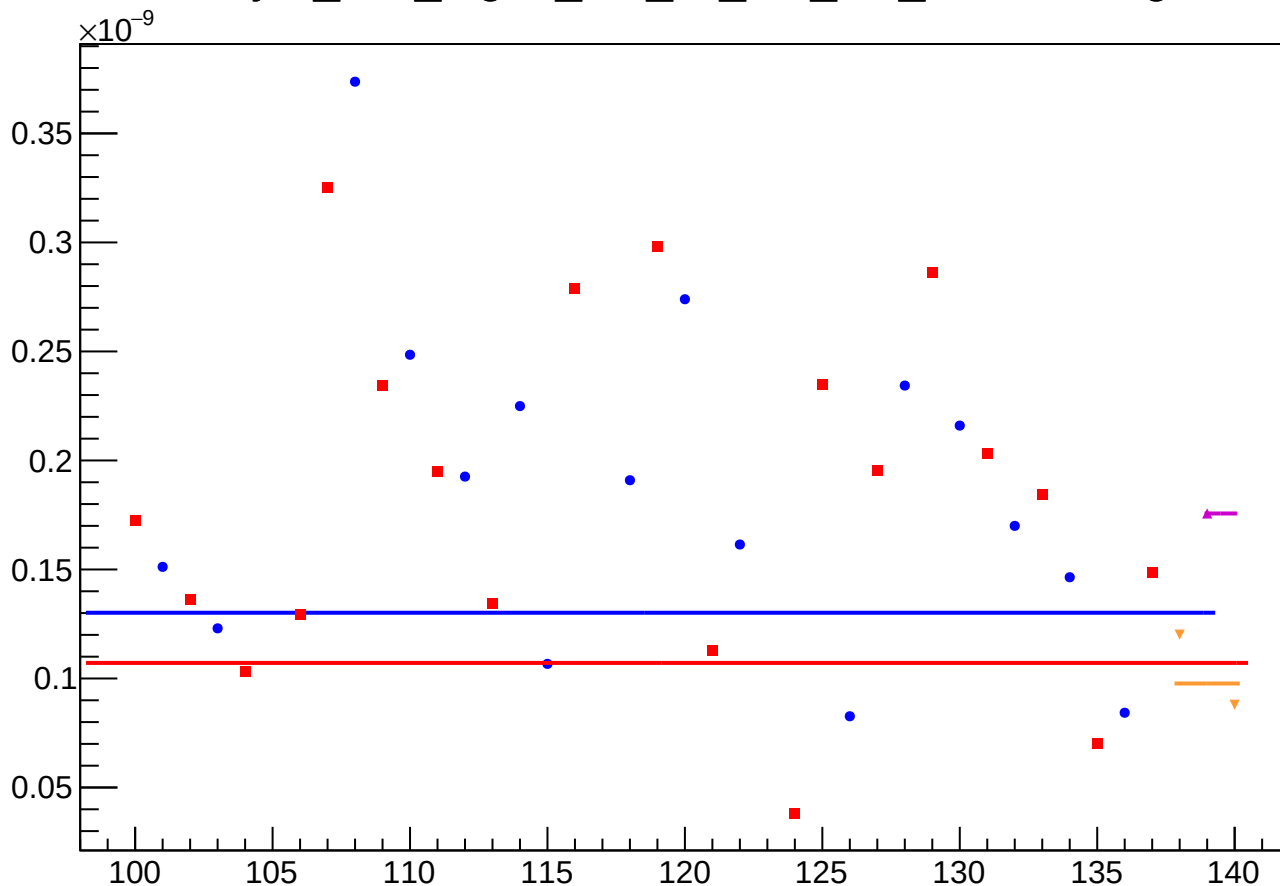
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 15.1/17

All: 0.000 ± 0.000 χ^2/NDF : 34.9/37

- sign 0.000 ± 0.000 χ^2/NDF : 17.3/19

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 50287.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2656168.1/18

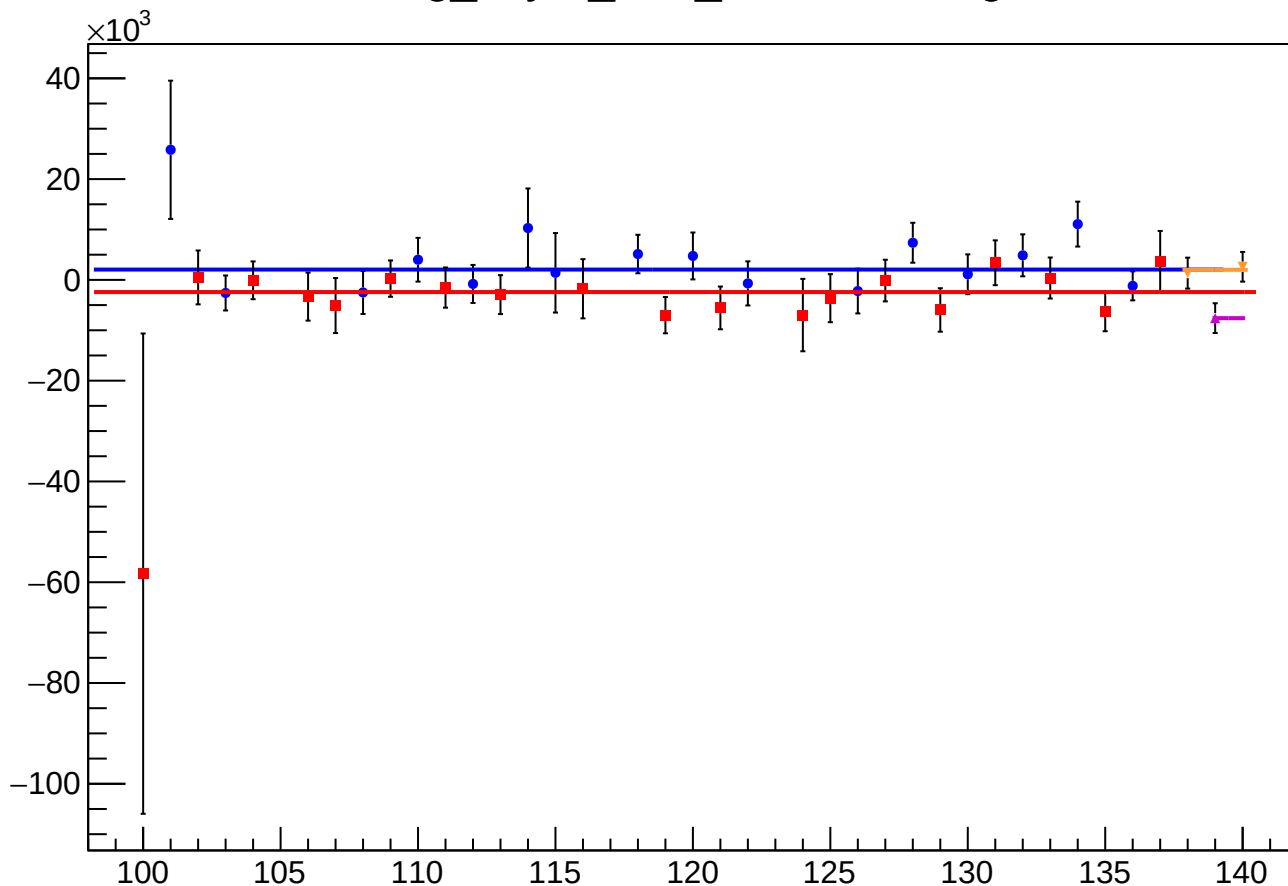
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1543569.7/17

All: 0.000+/-0.000 χ^2/NDF : 4384643.0/37

- sign 0.000+/-0.000 χ^2/NDF : 2822477.7/19

reg_asym_atr1_mean vs Slug



Right In: 2049.493 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 1997.699 $\pm$ 2127.695 χ^2 /NDF:0.1/1

Right Out: -2411.858 $\pm$ 1035.471 χ^2 /NDF: 10.8/18

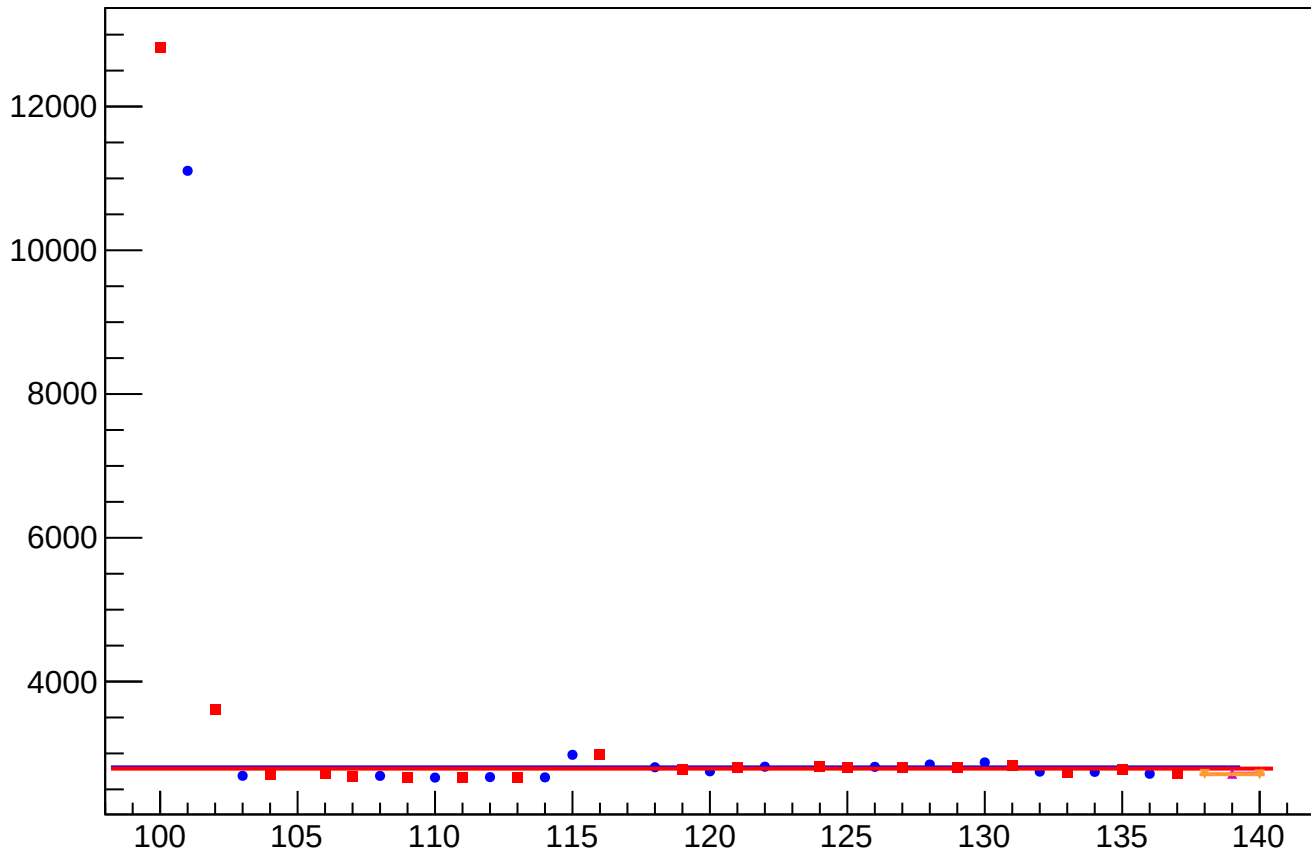
Left In: -7592.569 $\pm$ 2953.844 χ^2 /NDF:0.0/0

+ sign 2039.032 $\pm$ 956.211 χ^2 /NDF: 17.9/17

All: -415.504 $\pm$ 683.433 χ^2 /NDF: 44.9/37

- sign -2978.821 $\pm$ 977.170 χ^2 /NDF: 13.5/19

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746240.6/15

Left Out: 2711.220+/-1.505 χ^2/NDF : 4.2/1

Right Out: 2788.820+/-0.732 χ^2/NDF : 146998.3/18

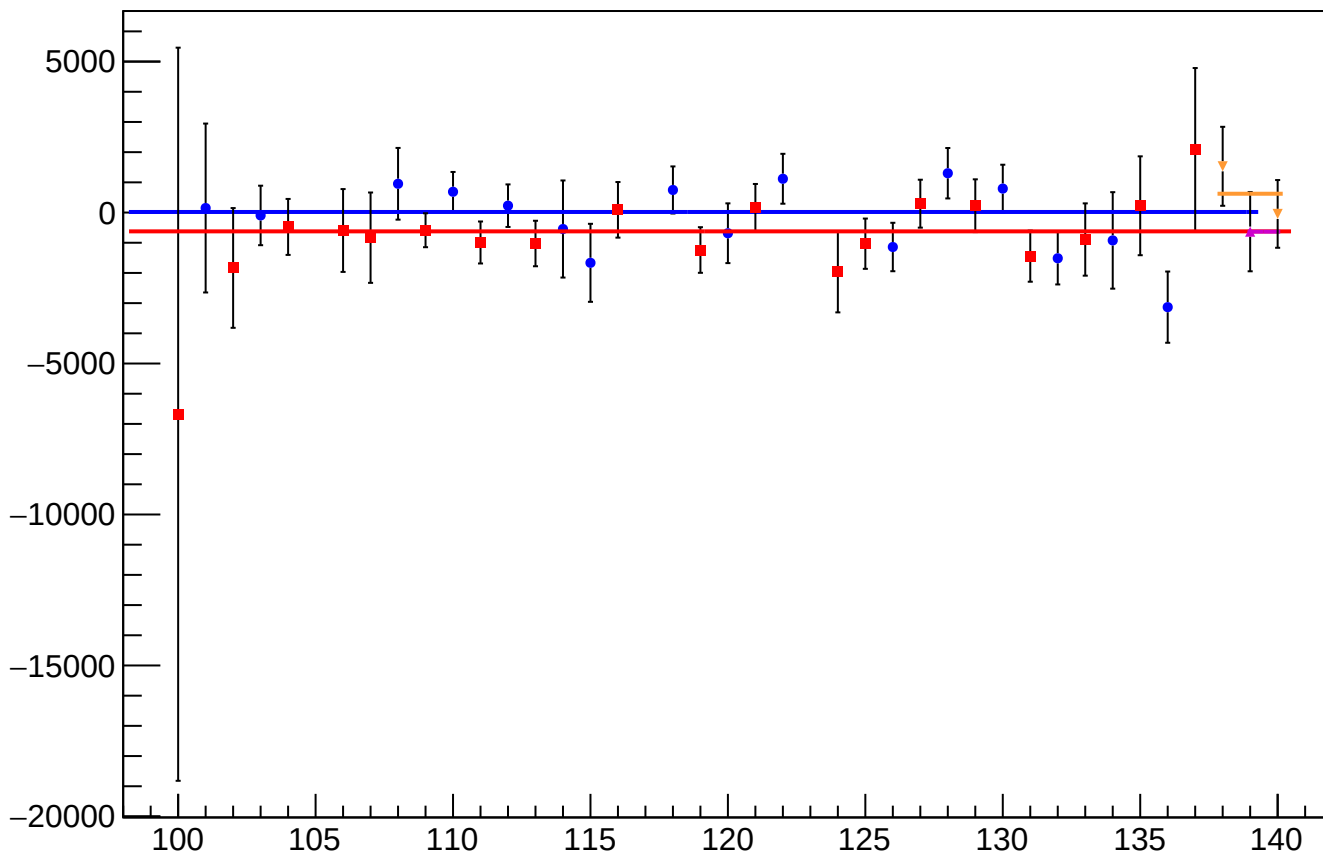
Left In: 2717.815+/-2.089 χ^2/NDF : 0.0/0

+ sign 2786.415+/-0.676 χ^2/NDF : 749375.0/17

All: 2783.790+/-0.483 χ^2/NDF : 897433.4/37

- sign 2781.050+/-0.691 χ^2/NDF : 148027.5/19

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981 ± 233.483 $\chi^2/\text{NDF}: 22.8/15$

Left Out: 622.954 ± 851.340 $\chi^2/\text{NDF}: 0.8/1$

Right Out: -623.107 ± 215.948 $\chi^2/\text{NDF}: 9.3/18$

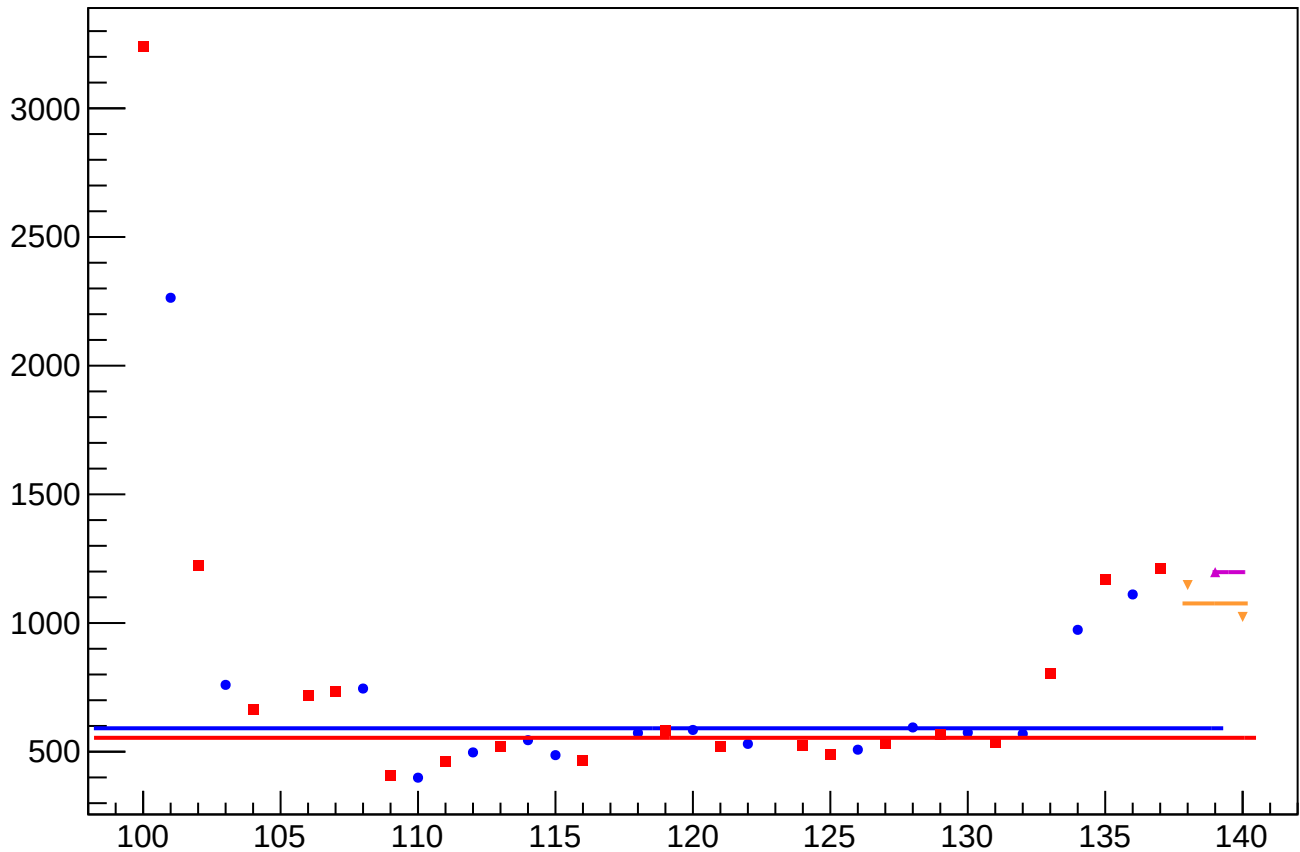
Left In: -633.062 ± 1312.369 $\chi^2/\text{NDF}: 0.0/0$

+ sign 61.231 ± 225.168 $\chi^2/\text{NDF}: 24.1/17$

All: -299.934 ± 154.768 $\chi^2/\text{NDF}: 38.2/37$

- sign -623.370 ± 213.083 $\chi^2/\text{NDF}: 9.3/19$

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF : 1567663.5/15

Left Out: 1076.100+/-0.602 χ^2/NDF : 10335.9/1

Right Out: 553.982+/-0.153 χ^2/NDF : 1116915.2/18

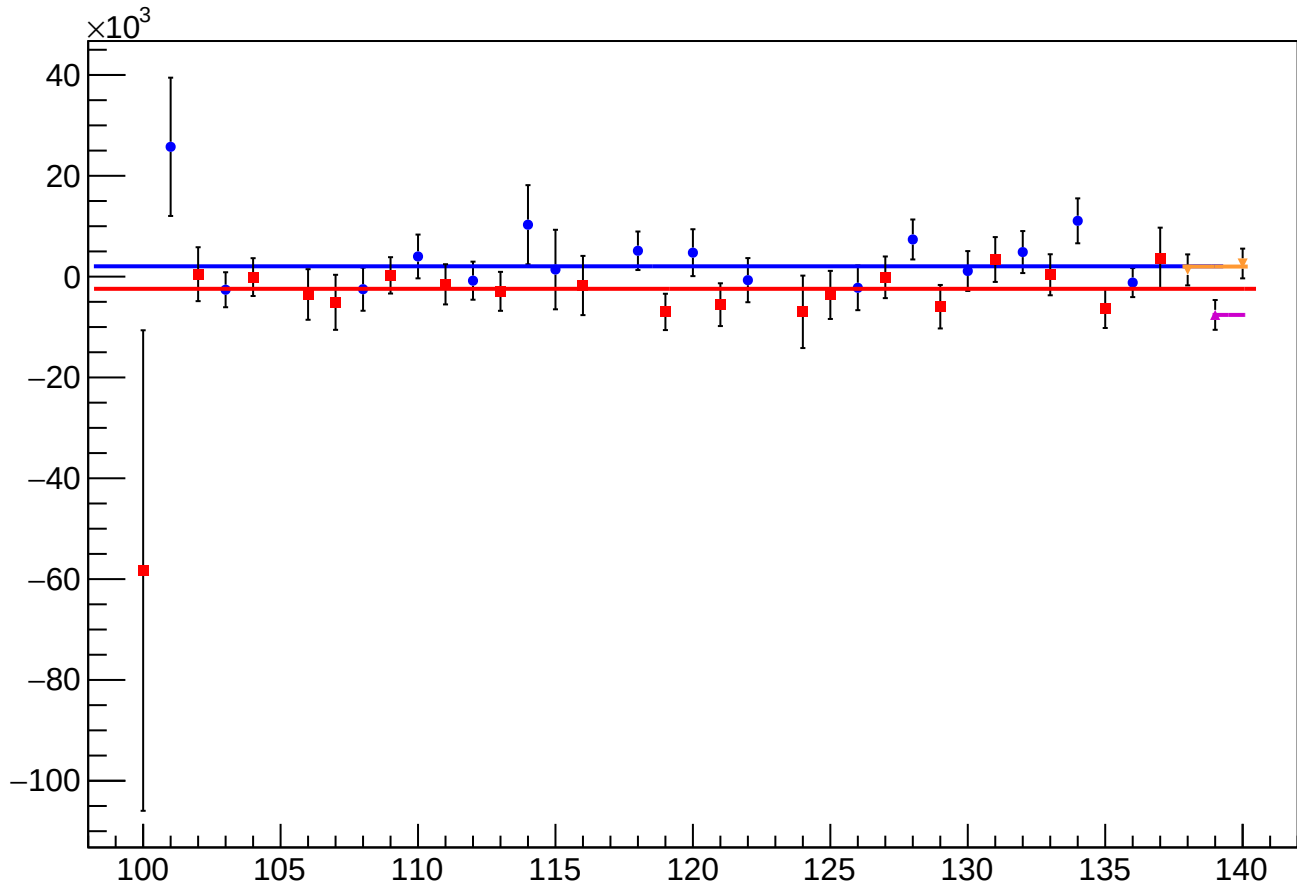
Left In: 1197.716+/-0.928 χ^2/NDF : 0.0/0

+ sign 624.973+/-0.159 χ^2/NDF : 2181834.0/17

All: 596.474+/-0.109 χ^2/NDF : 3828000.0/37

- sign 570.952+/-0.151 χ^2/NDF : 1585436.2/19

cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 1997.724 $\pm$ 2127.695 χ^2 /NDF: 0.1/1

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

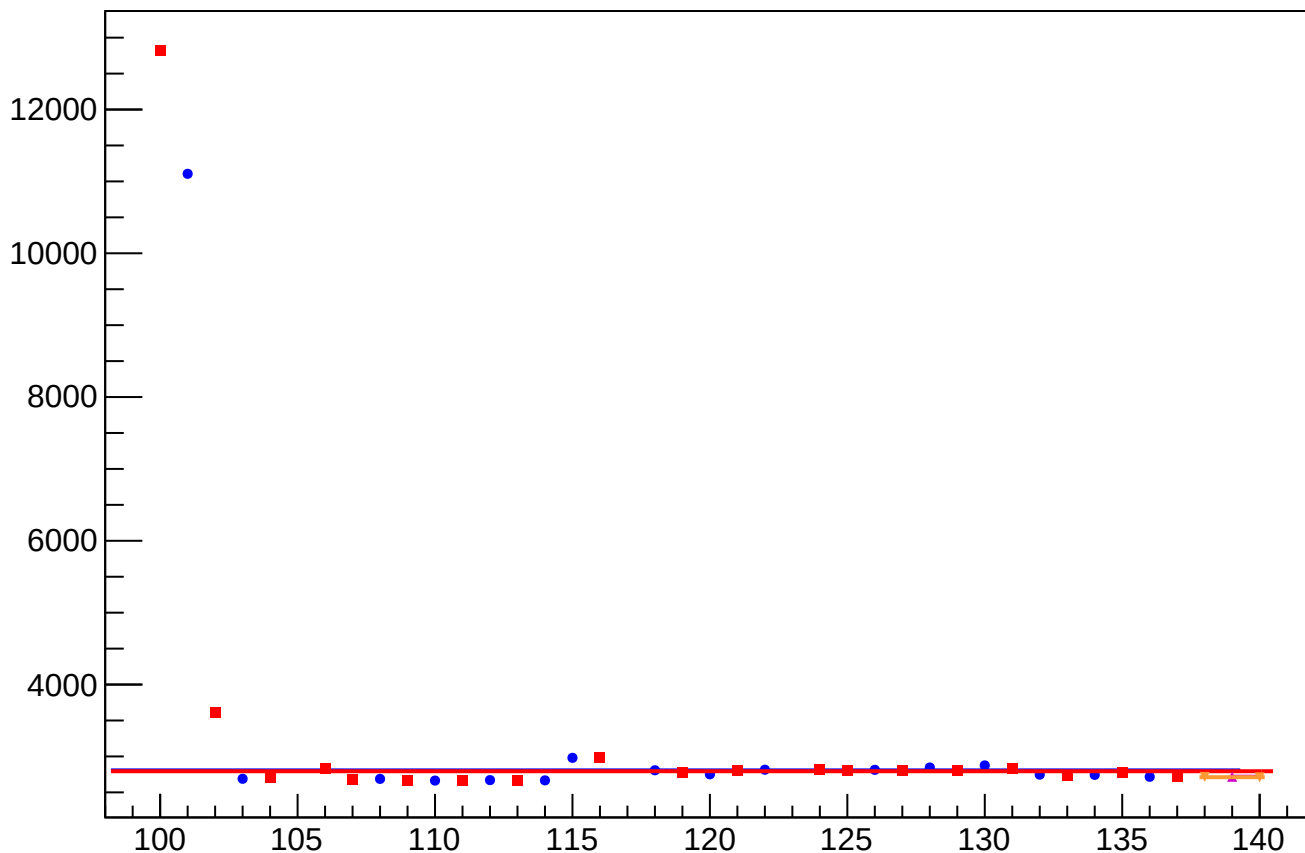
Left In: -7593.052 $\pm$ 2953.844 χ^2 /NDF: 0.0/0

+ sign 2038.394 $\pm$ 956.211 χ^2 /NDF: 17.9/17

All: -414.485 $\pm$ 684.117 χ^2 /NDF: 44.9/37

- sign -2986.587 $\pm$ 979.174 χ^2 /NDF: 13.5/19

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF : 4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

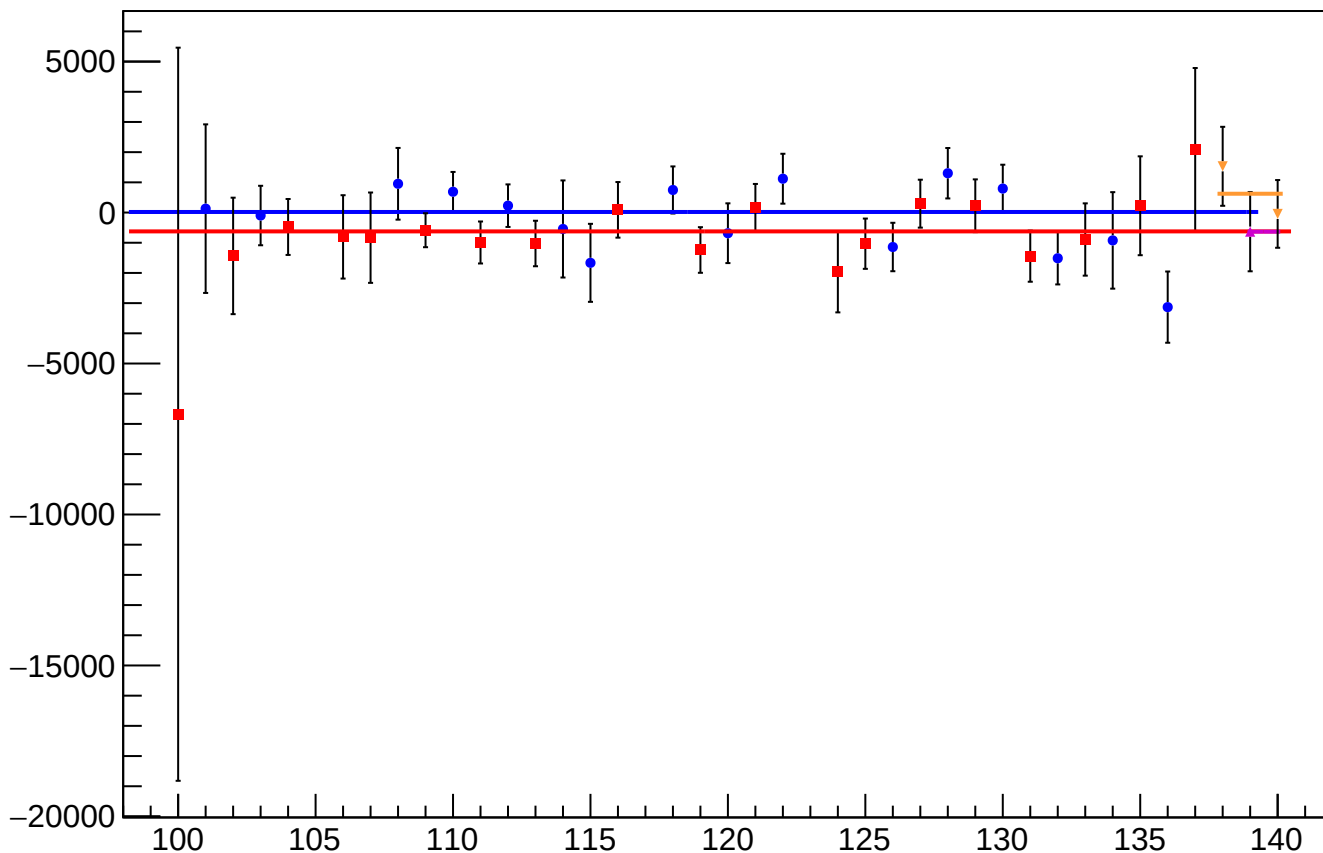
Left In: 2717.815+/-2.089 χ^2/NDF : 0.0/0

+ sign 2786.415+/-0.676 χ^2/NDF : 749374.1/17

All: 2786.099+/-0.484 χ^2/NDF : 897308.0/37

- sign 2785.768+/-0.692 χ^2/NDF : 147933.4/19

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 $\chi^2/\text{NDF}: 22.8/15$

Left Out: 622.862 ± 851.341 $\chi^2/\text{NDF}: 0.8/1$

Right Out: -624.217 ± 215.902 $\chi^2/\text{NDF}: 9.1/18$

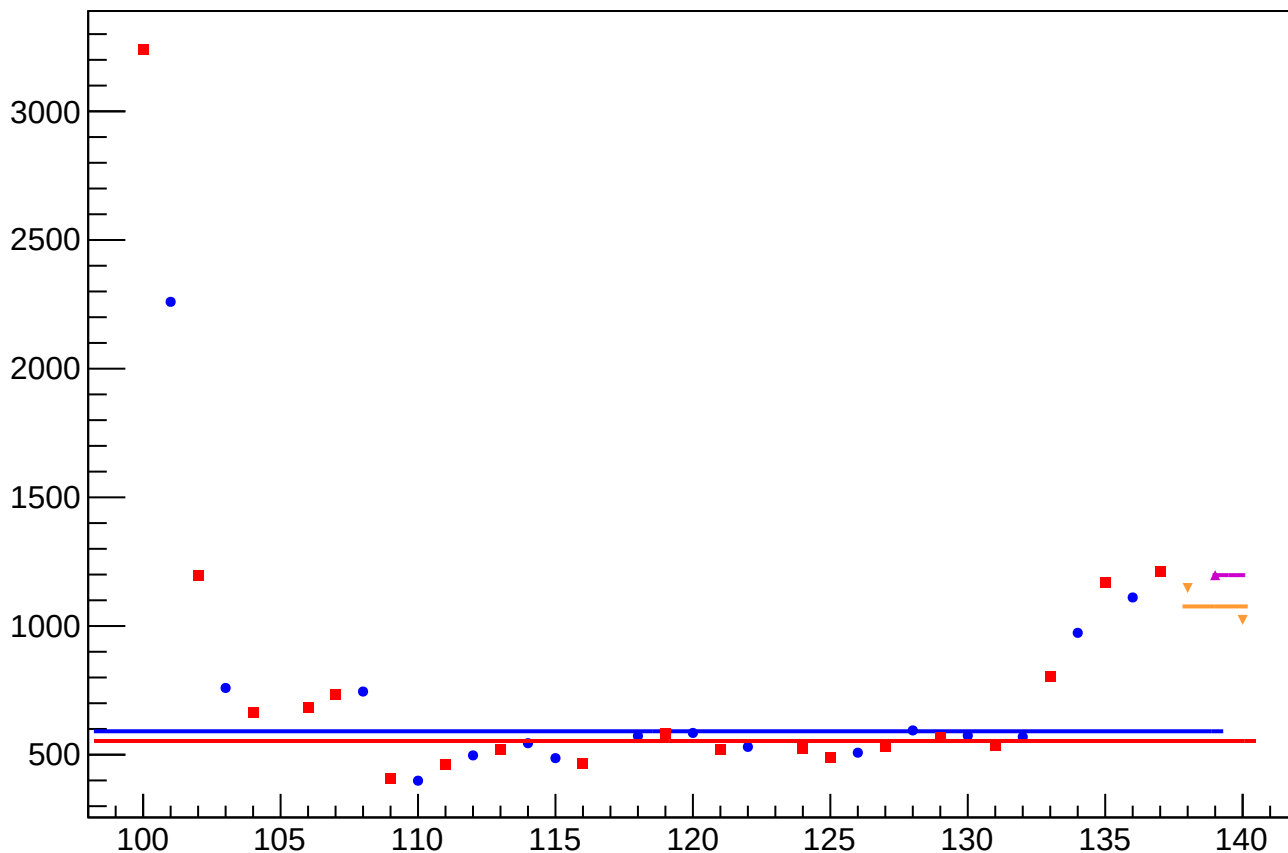
Left In: -633.162 ± 1312.381 $\chi^2/\text{NDF}: 0.0/0$

+ sign 61.183 ± 225.158 $\chi^2/\text{NDF}: 24.1/17$

All: -300.584 ± 154.748 $\chi^2/\text{NDF}: 38.1/37$

- sign -624.452 ± 213.038 $\chi^2/\text{NDF}: 9.1/19$

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF : 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF : 10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF : 1101651.0/18

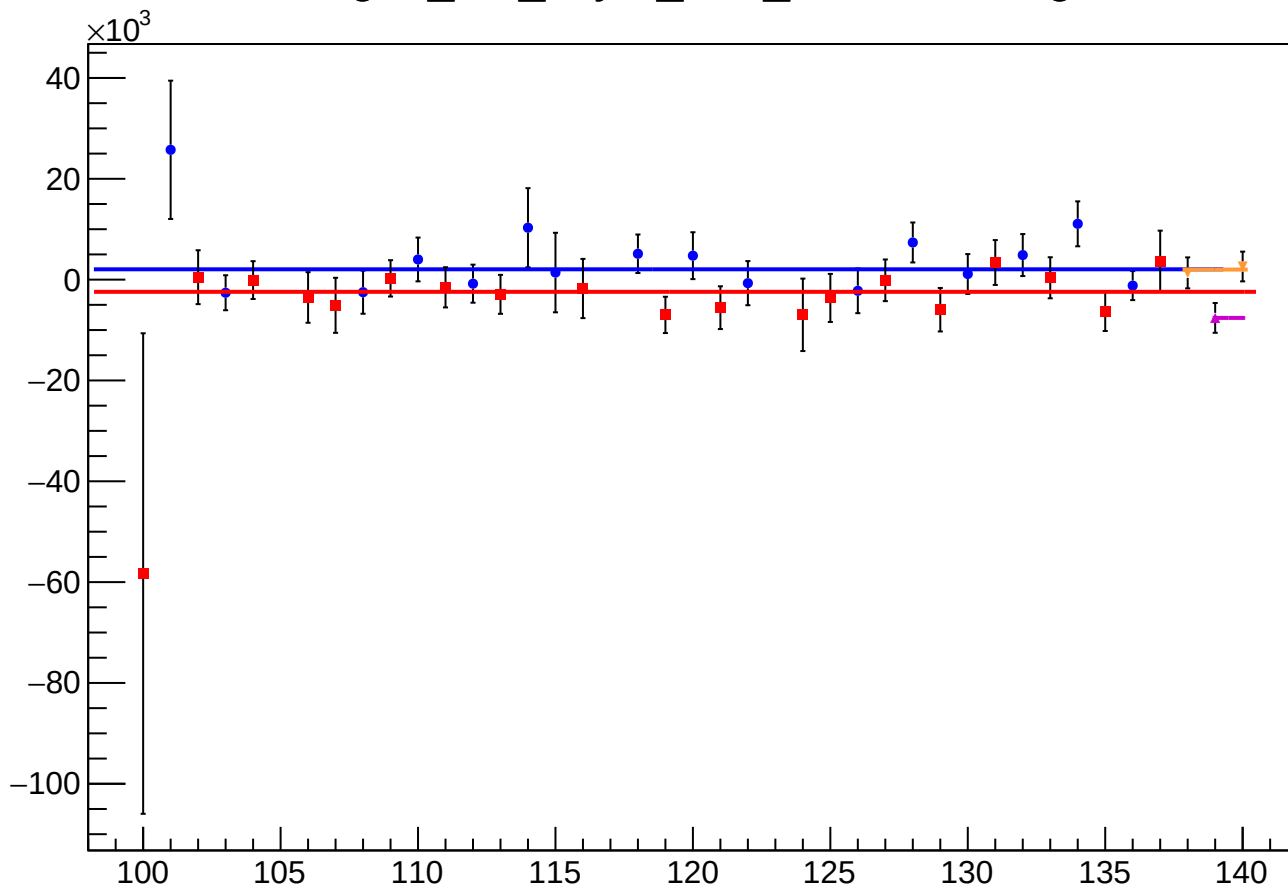
Left In: 1197.725+/-0.928 χ^2/NDF : 0.0/0

+ sign 624.968+/-0.159 χ^2/NDF : 2180807.9/17

All: 596.079+/-0.109 χ^2/NDF : 3814481.4/37

- sign 570.216+/-0.151 χ^2/NDF : 1571272.8/19

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 1997.724 $\pm$ 2127.695 χ^2 /NDF: 0.1/1

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

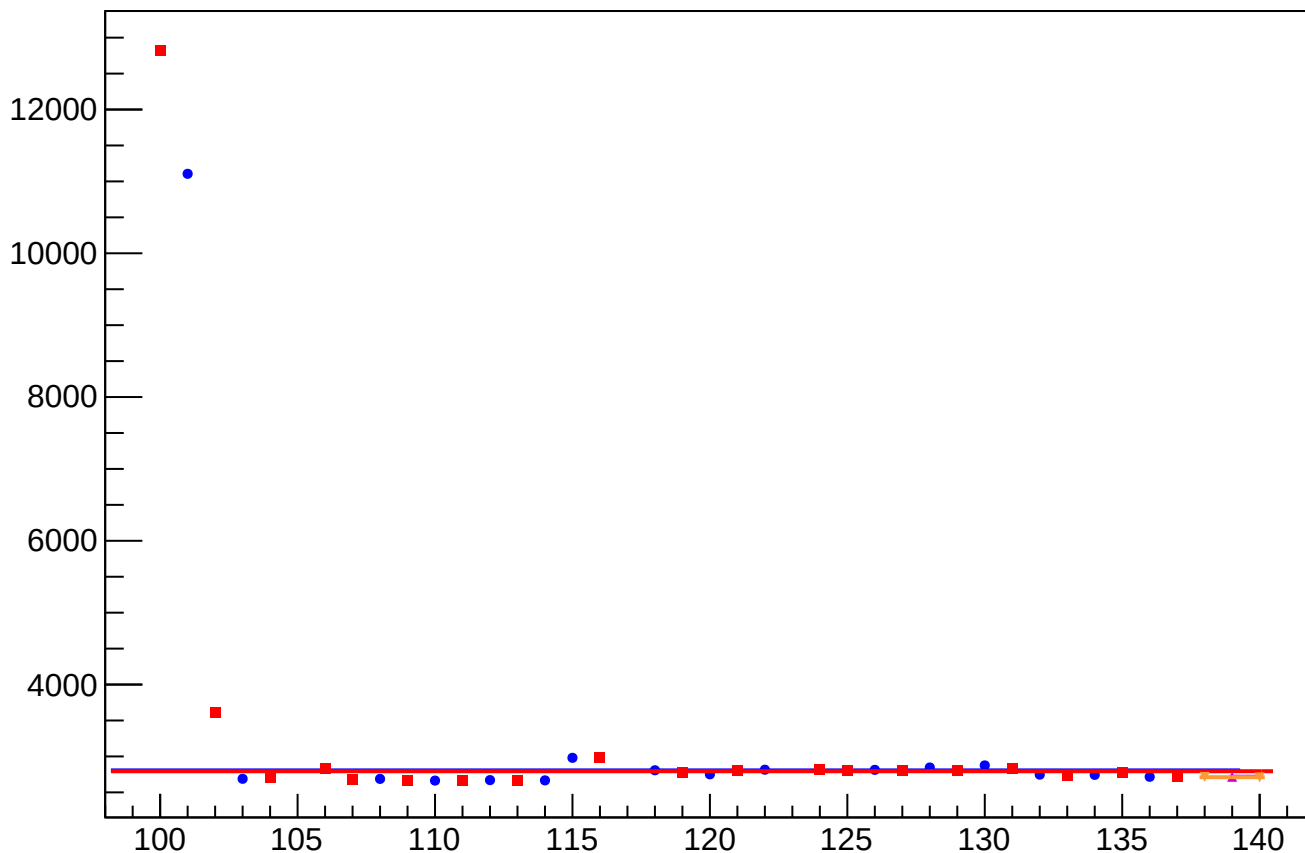
Left In: -7593.052 $\pm$ 2953.844 χ^2 /NDF: 0.0/0

+ sign 2038.394 $\pm$ 956.211 χ^2 /NDF: 17.9/17

All: -414.485 $\pm$ 684.117 χ^2 /NDF: 44.9/37

- sign -2986.587 $\pm$ 979.174 χ^2 /NDF: 13.5/19

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF : 4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

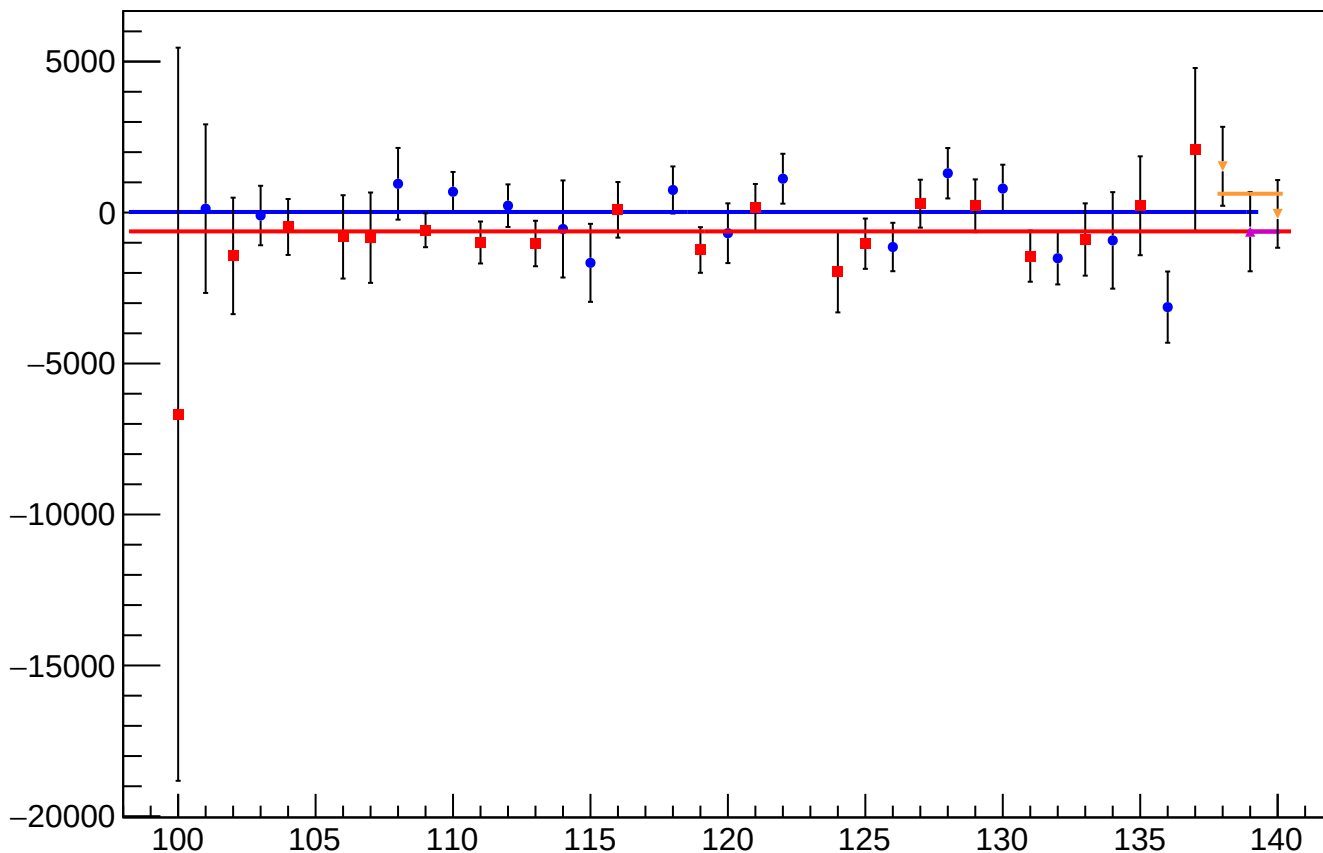
Left In: 2717.815+/-2.089 χ^2/NDF : 0.0/0

+ sign 2786.415+/-0.676 χ^2/NDF : 749374.1/17

All: 2786.099+/-0.484 χ^2/NDF : 897308.0/37

- sign 2785.768+/-0.692 χ^2/NDF : 147933.4/19

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: 622.862 ± 851.341 χ^2/NDF : 0.8/1

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

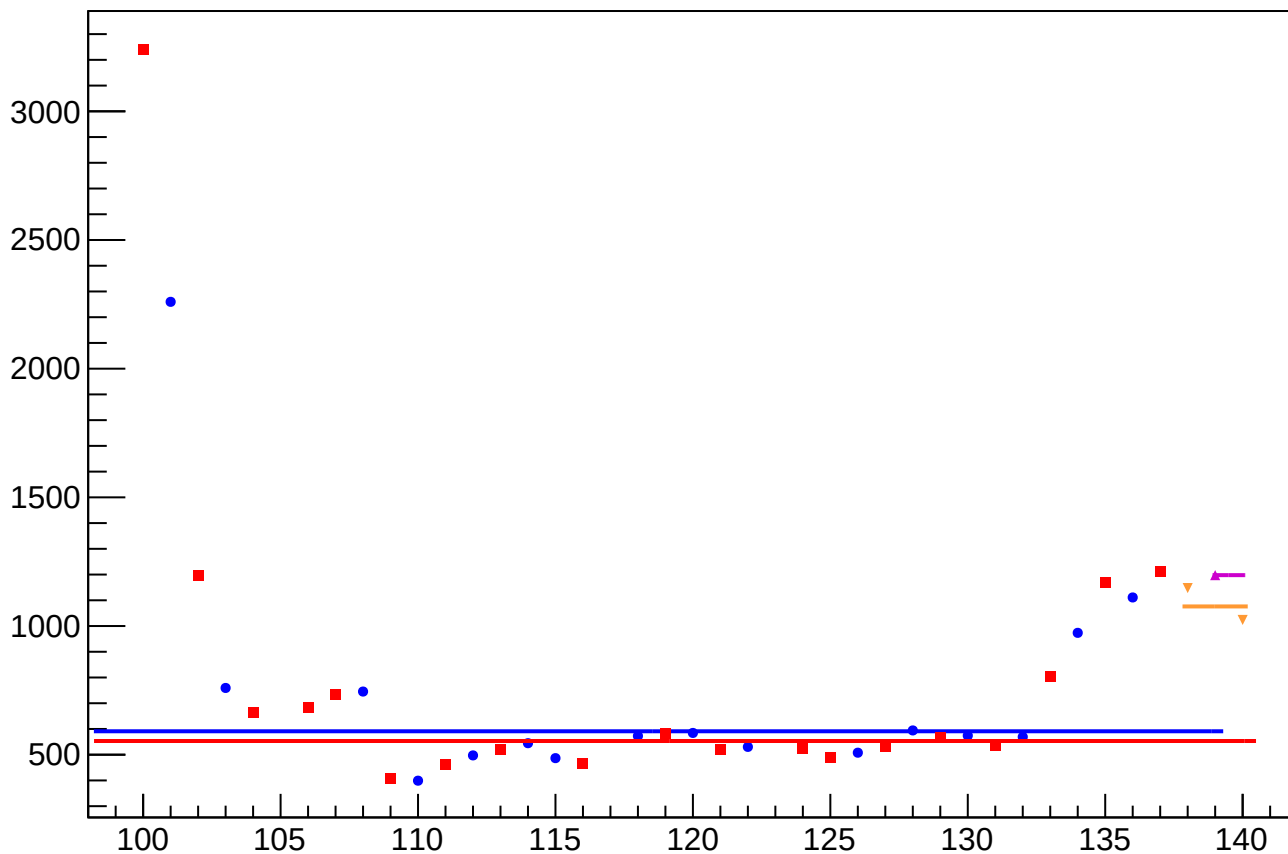
Left In: -633.162 ± 1312.381 χ^2/NDF : 0.0/0

+ sign 61.183 ± 225.158 χ^2/NDF : 24.1/17

All: -300.584 ± 154.748 χ^2/NDF : 38.1/37

- sign -624.452 ± 213.038 χ^2/NDF : 9.1/19

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039 $\pm$ 0.165 χ^2 /NDF: 1566635.0/15

Left Out: 1076.098 $\pm$ 0.602 χ^2 /NDF:10335.4/1

Right Out: 553.233 $\pm$ 0.153 χ^2 /NDF: 1101651.0/18

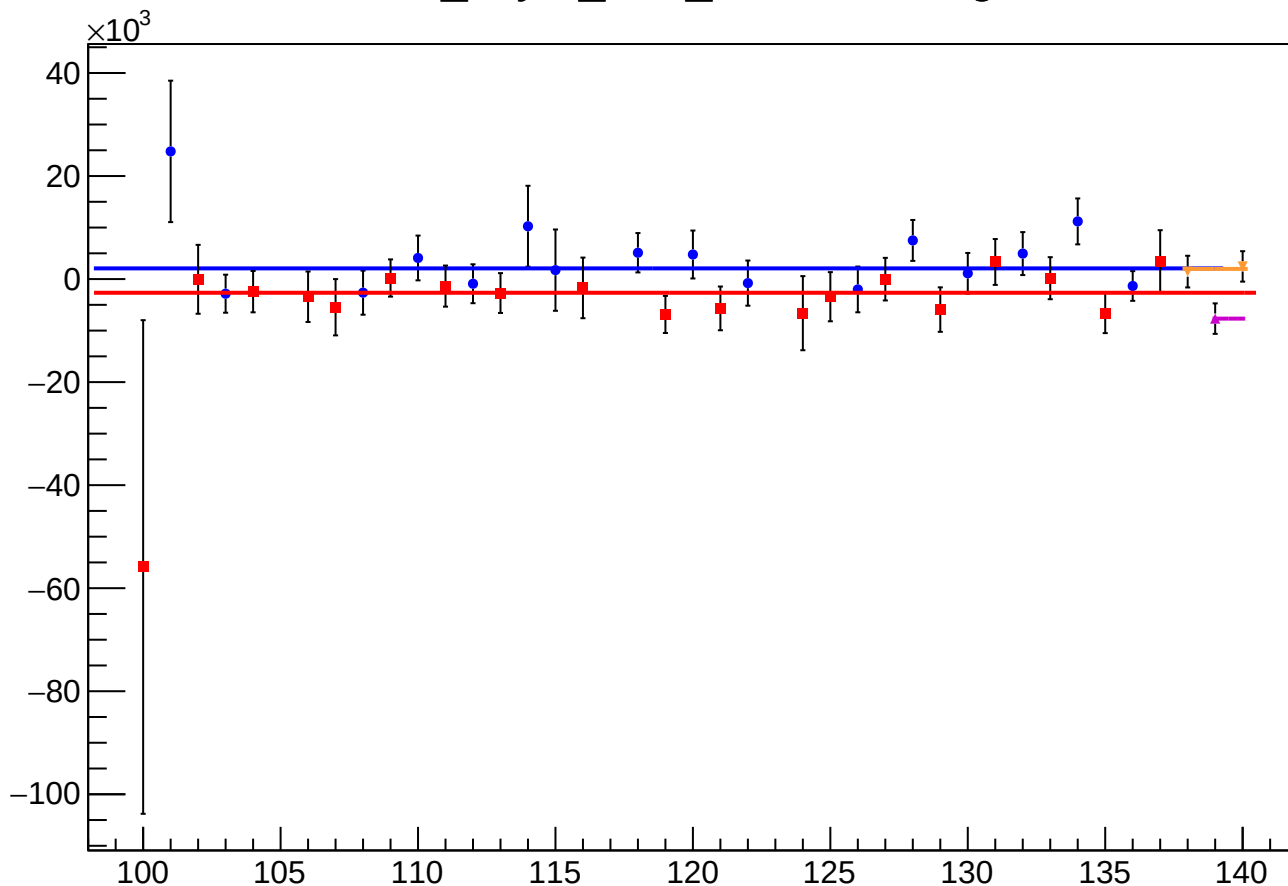
Left In: 1197.725 $\pm$ 0.928 χ^2 /NDF:0.0/0

+ sign 624.968 $\pm$ 0.159 χ^2 /NDF: 2180807.9/17

All: 596.079 $\pm$ 0.109 χ^2 /NDF: 3814481.4/37

- sign 570.216 $\pm$ 0.151 χ^2 /NDF: 1571272.8/19

dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2 /NDF: 17.9/15

Left Out: 1973.455 $\pm$ 2129.893 χ^2 /NDF: 0.1/1

Right Out: -2657.301 $\pm$ 1049.868 χ^2 /NDF: 9.9/18

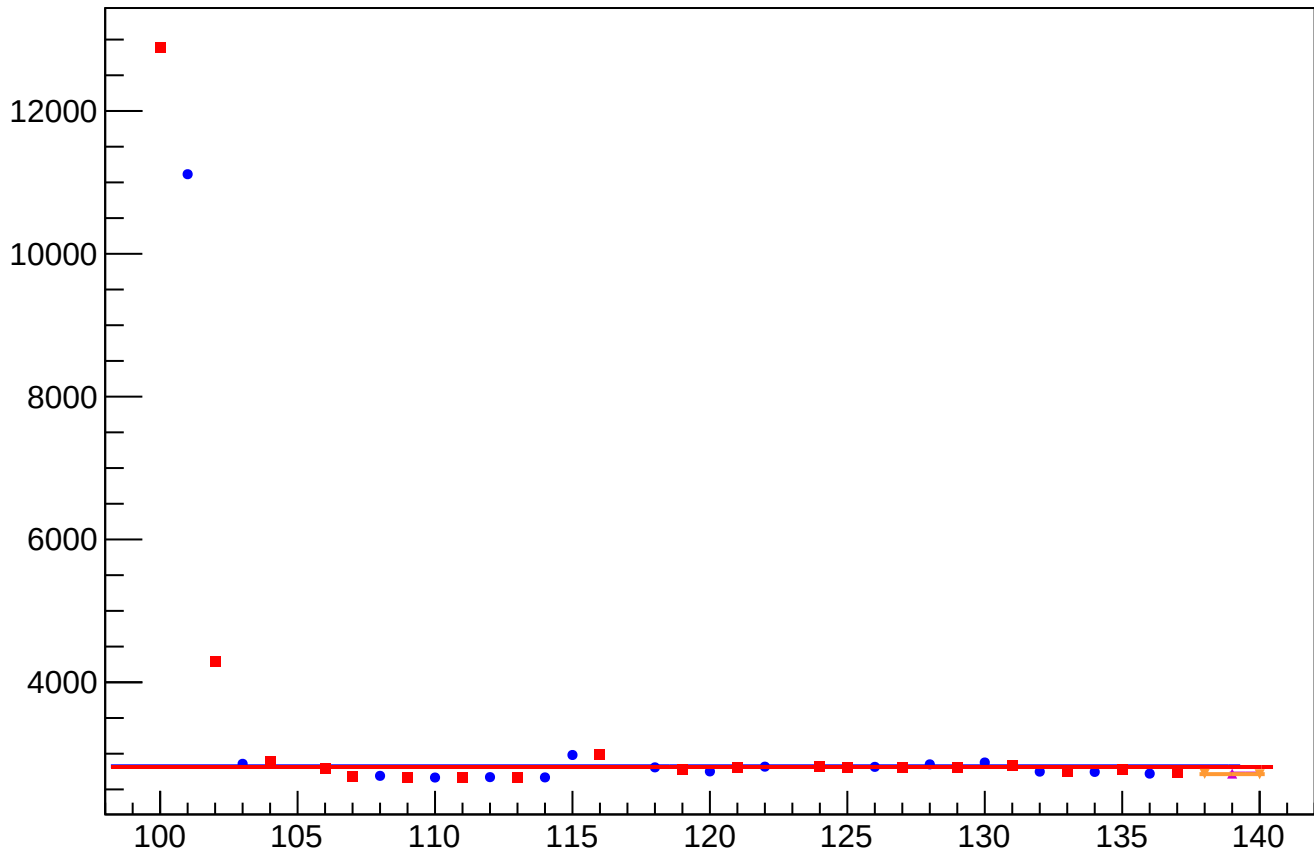
Left In: -7675.780 $\pm$ 2958.052 χ^2 /NDF: 0.0/0

+ sign 2054.131 $\pm$ 961.242 χ^2 /NDF: 17.9/17

All: -506.207 $\pm$ 689.441 χ^2 /NDF: 45.0/37

- sign -3218.742 $\pm$ 989.400 χ^2 /NDF: 12.5/19

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF : 4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.9/18

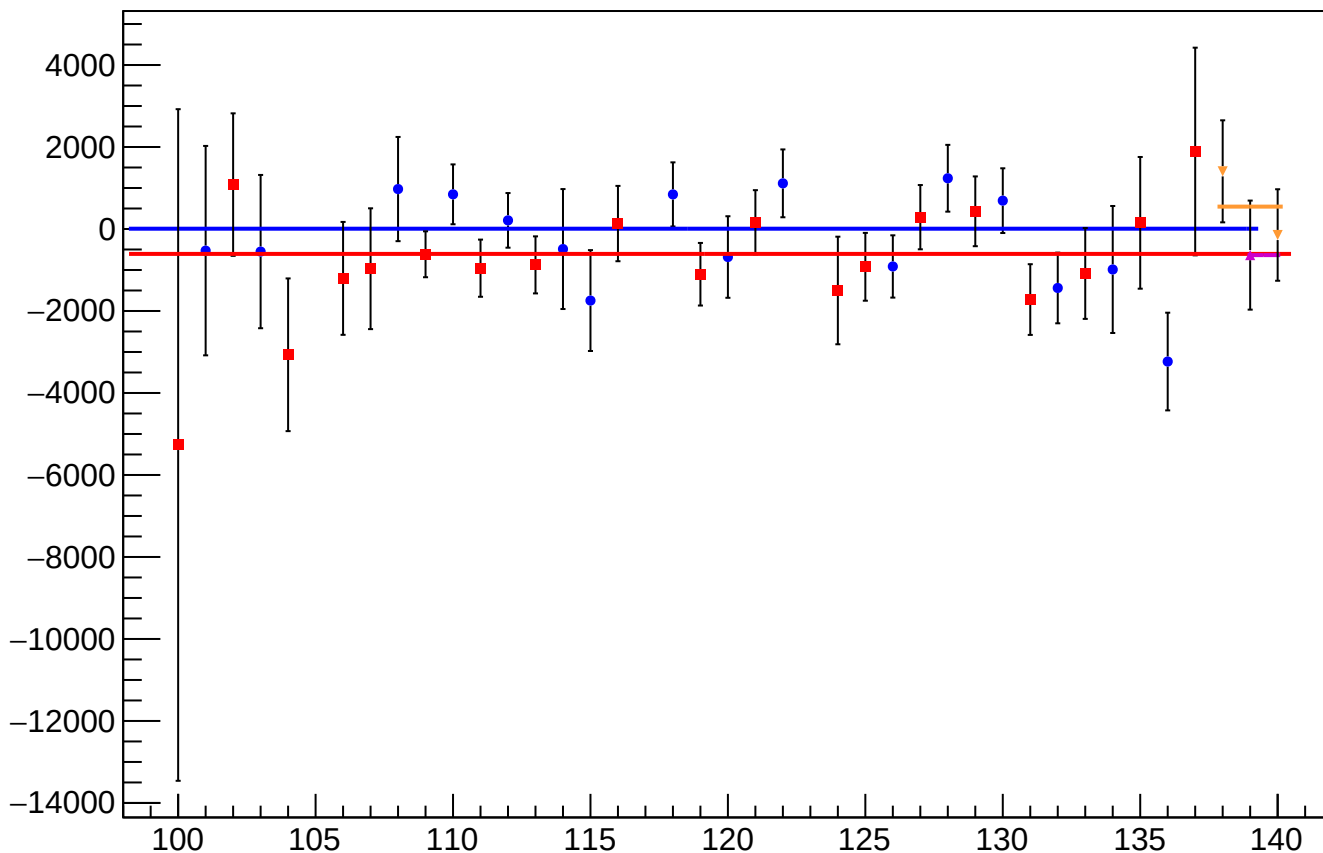
Left In: 2721.584+/-2.092 χ^2/NDF : 0.0/0

+ sign 2801.158+/-0.680 χ^2/NDF : 748125.0/17

All: 2802.296+/-0.488 χ^2/NDF : 950369.7/37

- sign 2803.502+/-0.700 χ^2/NDF : 202239.0/19

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048 ± 237.455 χ^2/NDF : 22.8/15

Left Out: 545.747 ± 830.796 χ^2/NDF : 0.9/1

Right Out: -607.647 ± 217.093 χ^2/NDF : 12.2/18

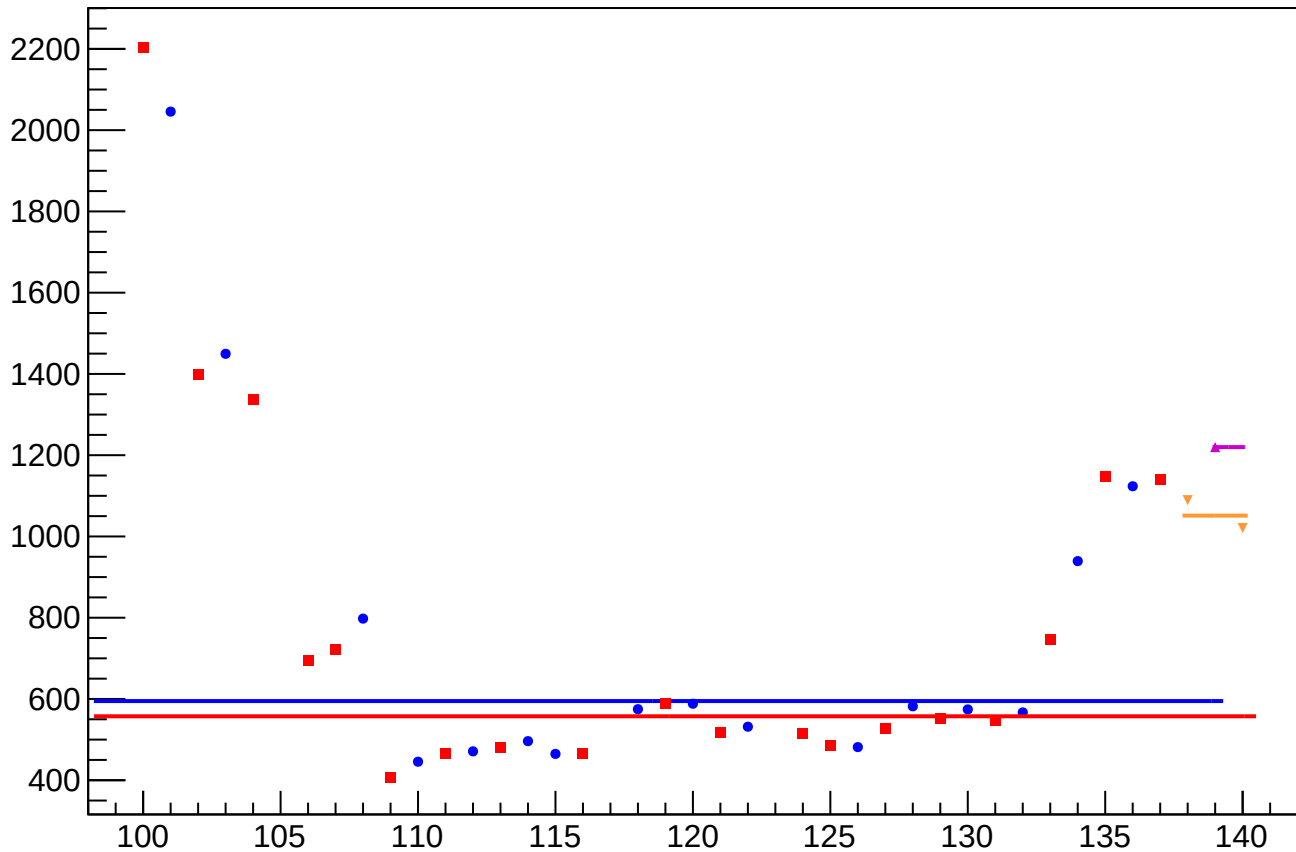
Left In: -637.147 ± 1330.077 χ^2/NDF : 0.0/0

+ sign 47.732 ± 228.313 χ^2/NDF : 24.1/17

All: -301.156 ± 156.236 χ^2/NDF : 40.6/37

- sign -608.412 ± 214.258 χ^2/NDF : 12.2/19

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF : 1852655.3/15

Left Out: 1051.314+/-0.587 χ^2/NDF : 3356.1/1

Right Out: 557.397+/-0.154 χ^2/NDF : 1631309.6/18

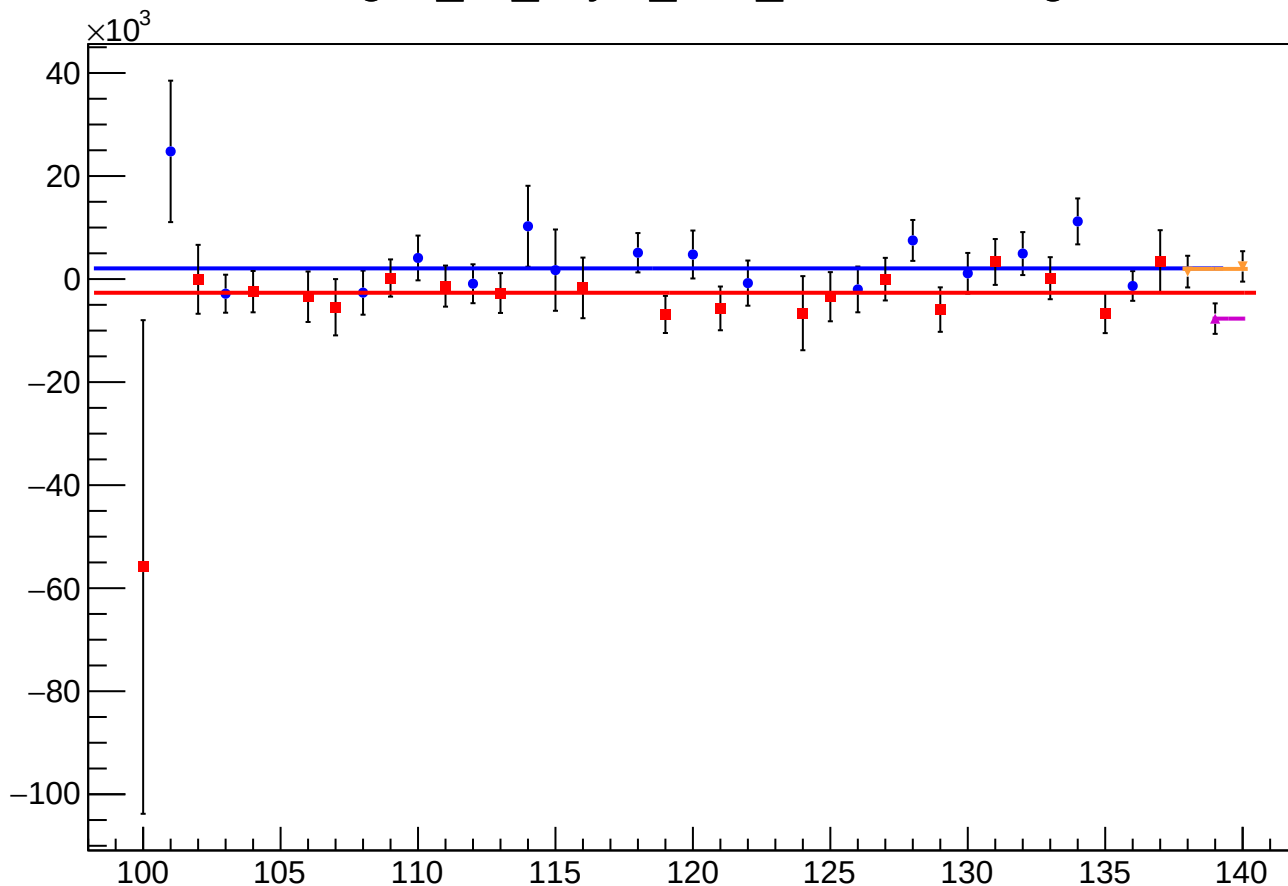
Left In: 1219.905+/-0.941 χ^2/NDF : 0.0/0

+ sign 629.330+/-0.161 χ^2/NDF : 2414143.4/17

All: 600.223+/-0.110 χ^2/NDF : 4589915.1/37

- sign 574.588+/-0.152 χ^2/NDF : 2114636.8/19

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2 /NDF: 17.9/15

Left Out: 1973.456 $\pm$ 2129.893 χ^2 /NDF: 0.1/1

Right Out: -2657.300 $\pm$ 1049.868 χ^2 /NDF: 9.9/18

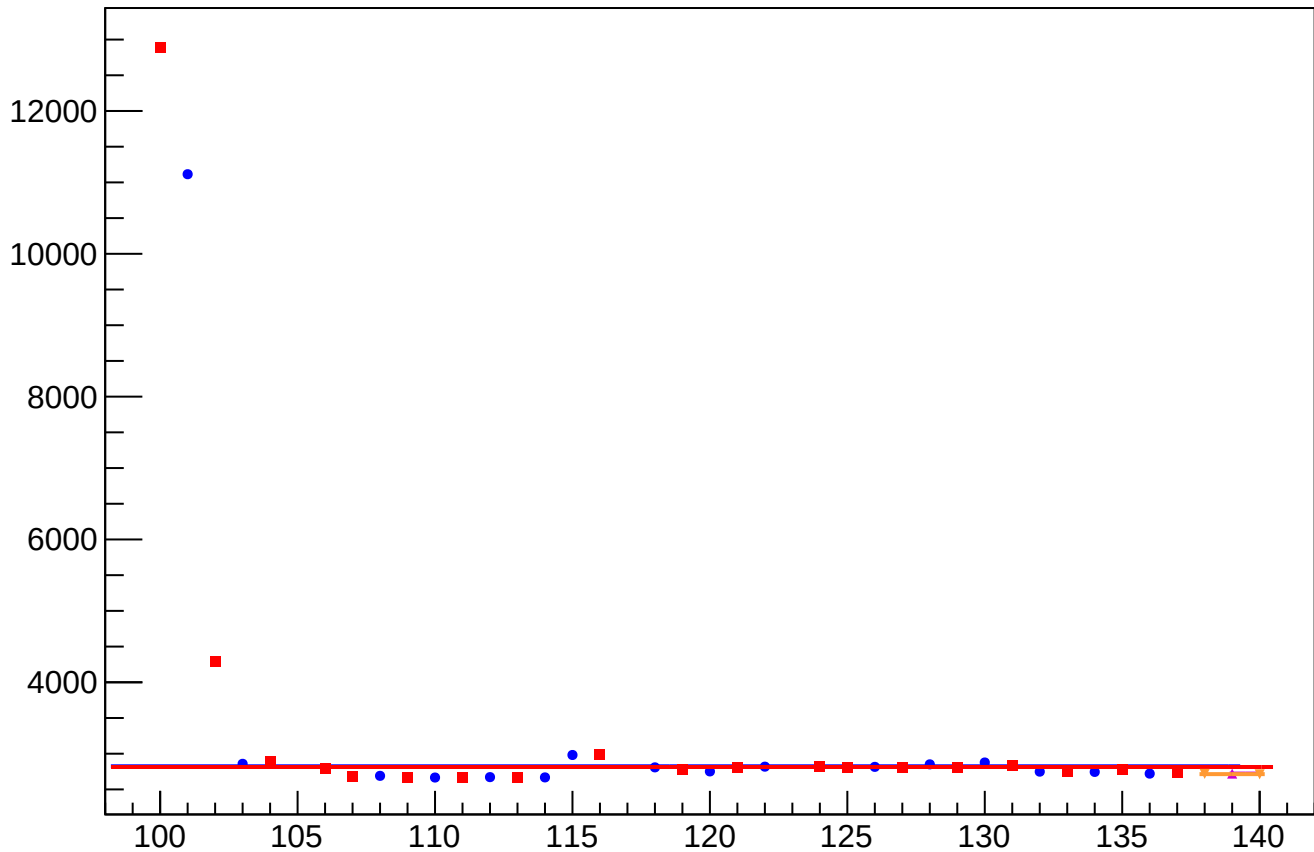
Left In: -7675.777 $\pm$ 2958.052 χ^2 /NDF: 0.0/0

+ sign 2054.131 $\pm$ 961.242 χ^2 /NDF: 17.9/17

All: -506.206 $\pm$ 689.440 χ^2 /NDF: 45.0/37

- sign -3218.741 $\pm$ 989.400 χ^2 /NDF: 12.5/19

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF : 4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.7/18

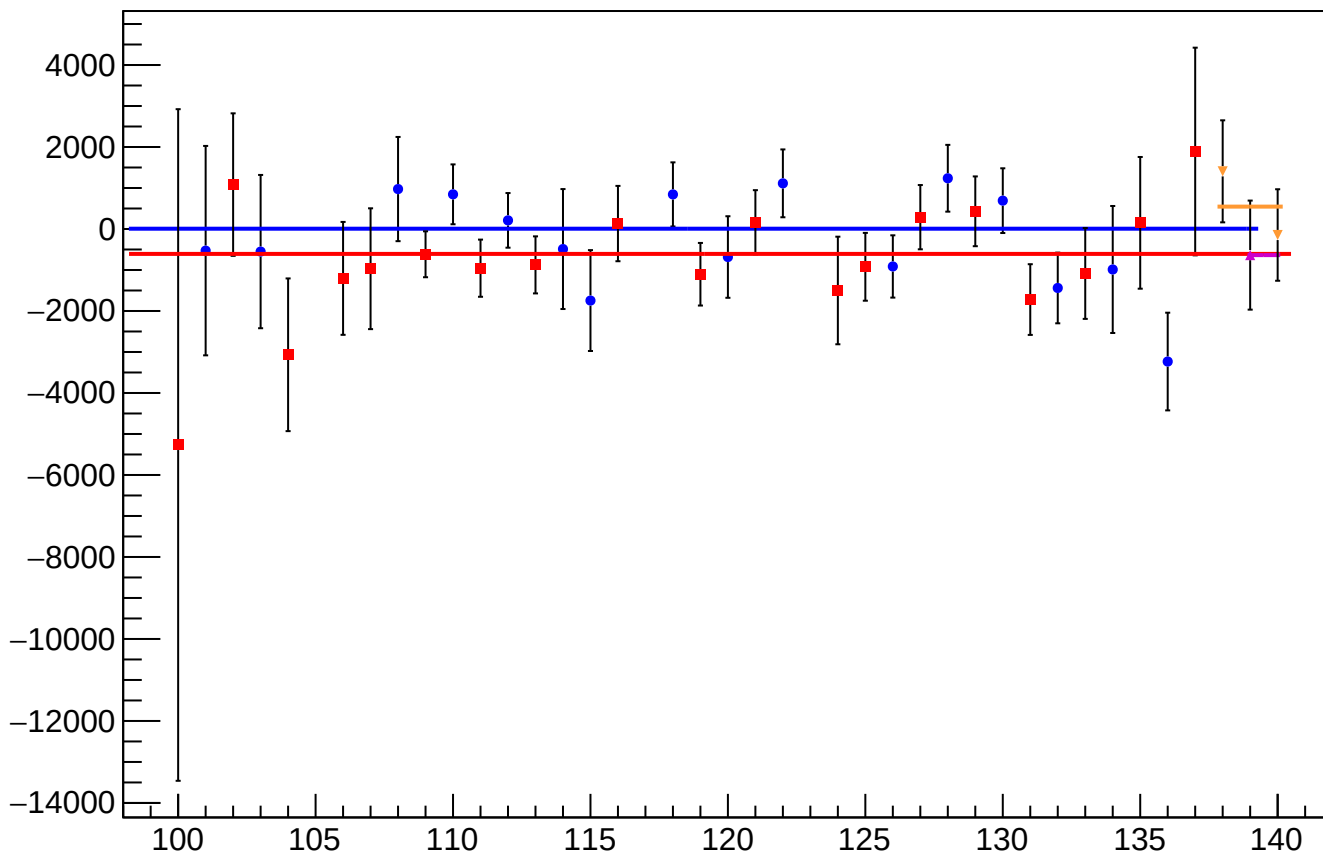
Left In: 2721.584+/-2.092 χ^2/NDF : 0.0/0

+ sign 2801.157+/-0.680 χ^2/NDF : 748124.9/17

All: 2802.296+/-0.488 χ^2/NDF : 950369.4/37

- sign 2803.502+/-0.700 χ^2/NDF : 202238.7/19

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049 ± 237.455 χ^2/NDF : 22.8/15

Left Out: 545.750 ± 830.796 χ^2/NDF : 0.9/1

Right Out: -607.647 ± 217.094 χ^2/NDF : 12.2/18

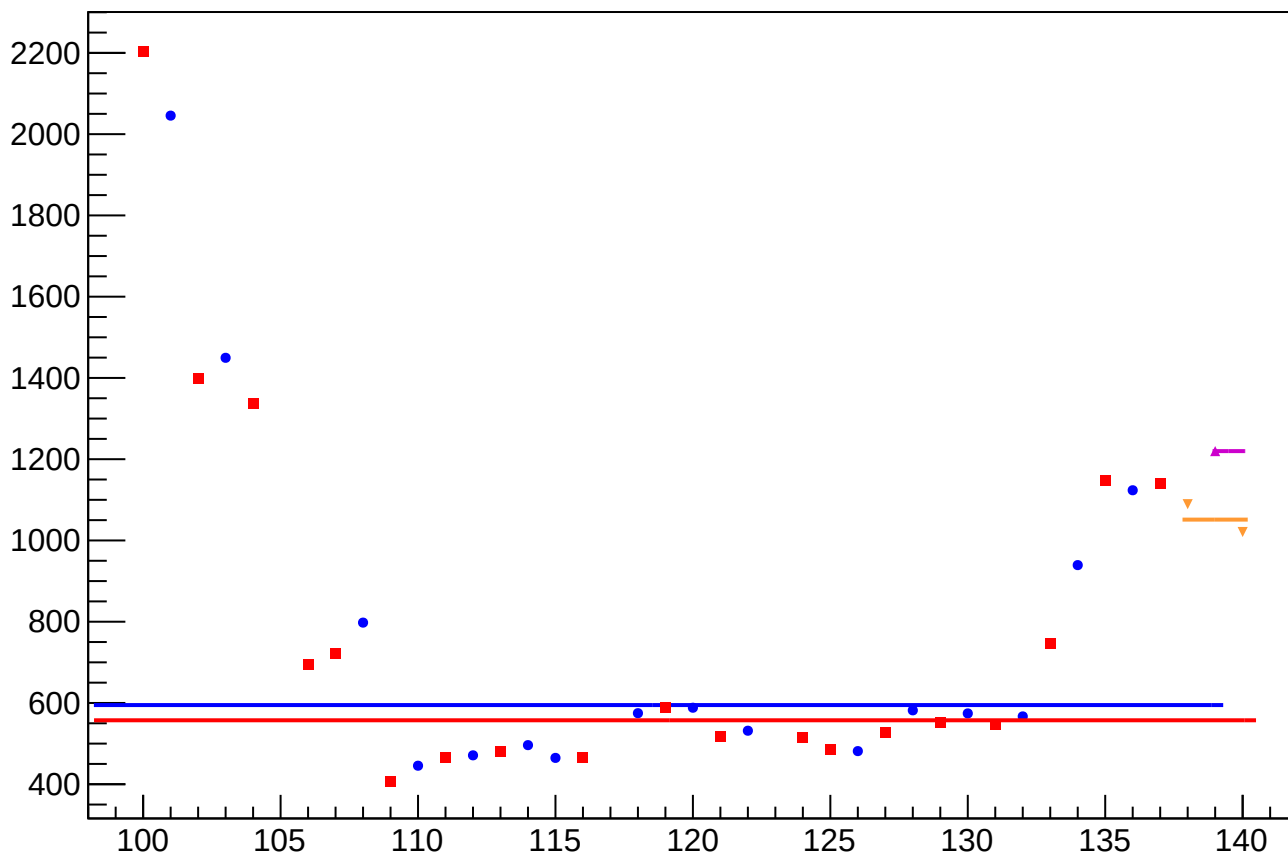
Left In: -637.144 ± 1330.076 χ^2/NDF : 0.0/0

+ sign 47.732 ± 228.313 χ^2/NDF : 24.1/17

All: -301.156 ± 156.236 χ^2/NDF : 40.6/37

- sign -608.412 ± 214.258 χ^2/NDF : 12.2/19

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858 $\pm$ 0.168 χ^2 /NDF: 1852649.9/15

Left Out: 1051.314 $\pm$ 0.587 χ^2 /NDF:3356.0/1

Right Out: 557.397 $\pm$ 0.154 χ^2 /NDF: 1631307.0/18

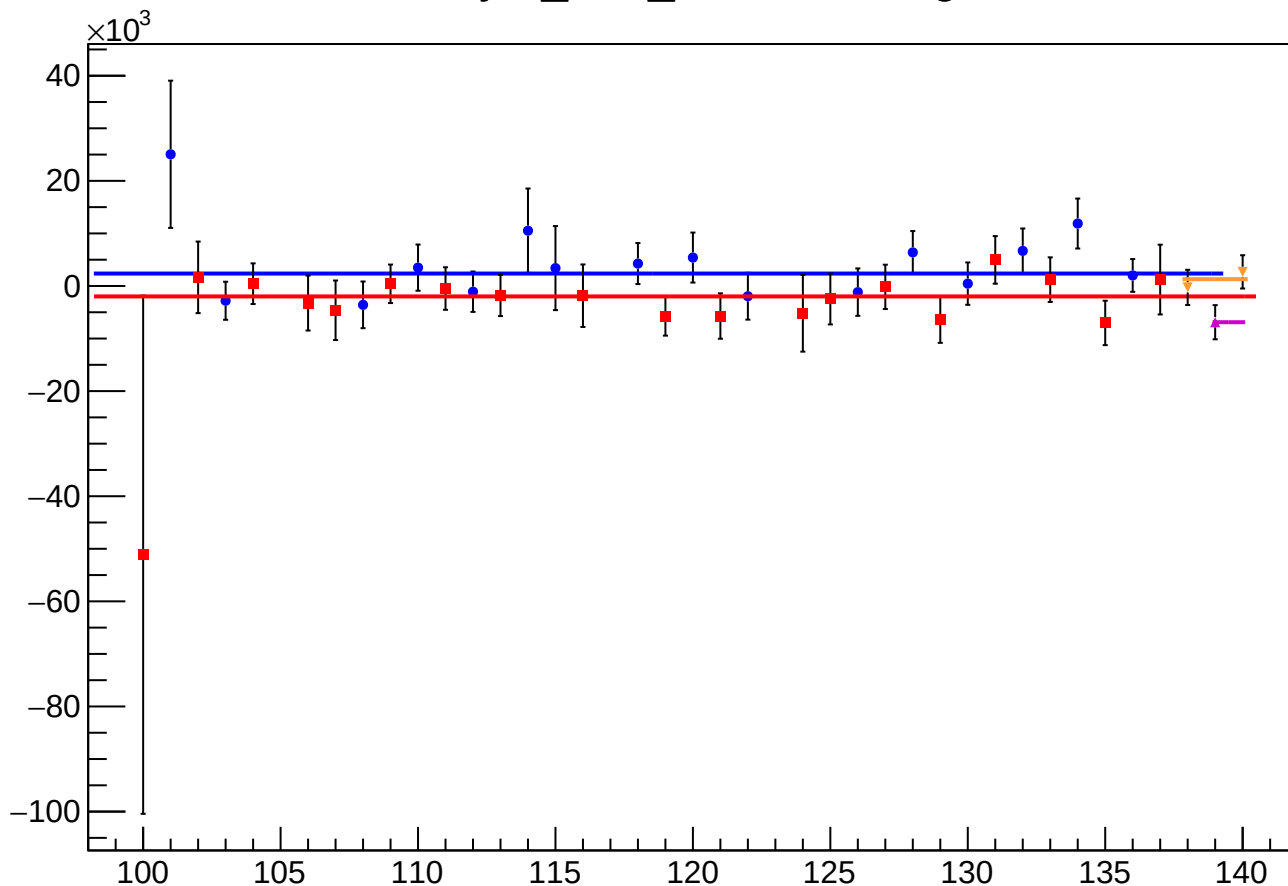
Left In: 1219.905 $\pm$ 0.941 χ^2 /NDF:0.0/0

+ sign 629.330 $\pm$ 0.161 χ^2 /NDF: 2414136.2/17

All: 600.223 $\pm$ 0.110 χ^2 /NDF: 4589905.1/37

- sign 574.589 $\pm$ 0.152 χ^2 /NDF: 2114633.3/19

asym_atr1_mean vs Slug



Right In: 2367.173 $\pm$ 1106.203 χ^2 /NDF: 16.8/15

Left Out: 1292.032 $\pm$ 2300.936 χ^2 /NDF: 0.4/1

Right Out: -1987.039 $\pm$ 1075.310 χ^2 /NDF: 10.3/18

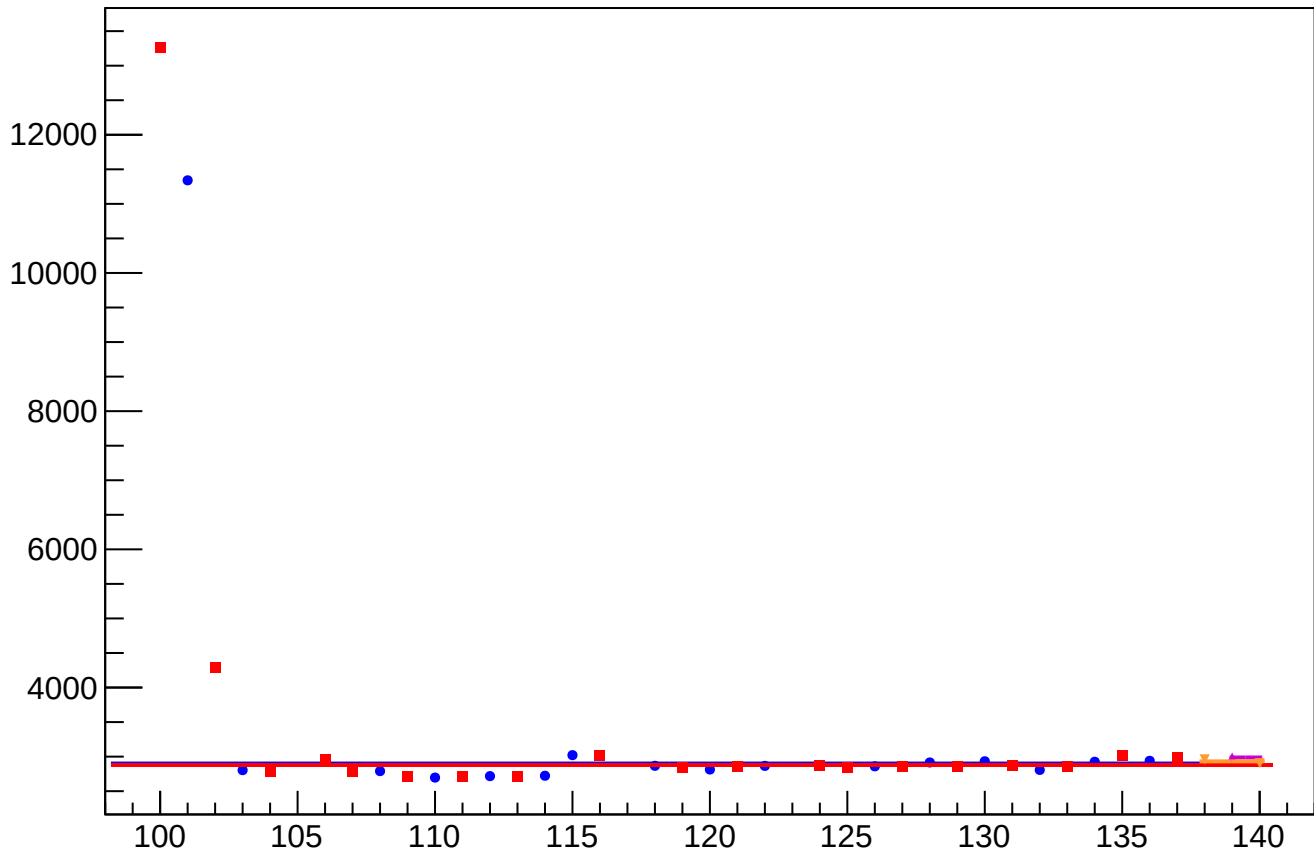
Left In: -6893.497 $\pm$ 3248.474 χ^2 /NDF: 0.0/0

+ sign 2165.327 $\pm$ 996.971 χ^2 /NDF: 17.4/17

All: -98.289 $\pm$ 713.252 χ^2 /NDF: 40.3/37

- sign -2471.569 $\pm$ 1020.835 χ^2 /NDF: 12.3/19

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF : 741818.2/15

Left Out: 2931.285+/-1.627 χ^2/NDF : 287.2/1

Right Out: 2878.957+/-0.760 χ^2/NDF : 193282.4/18

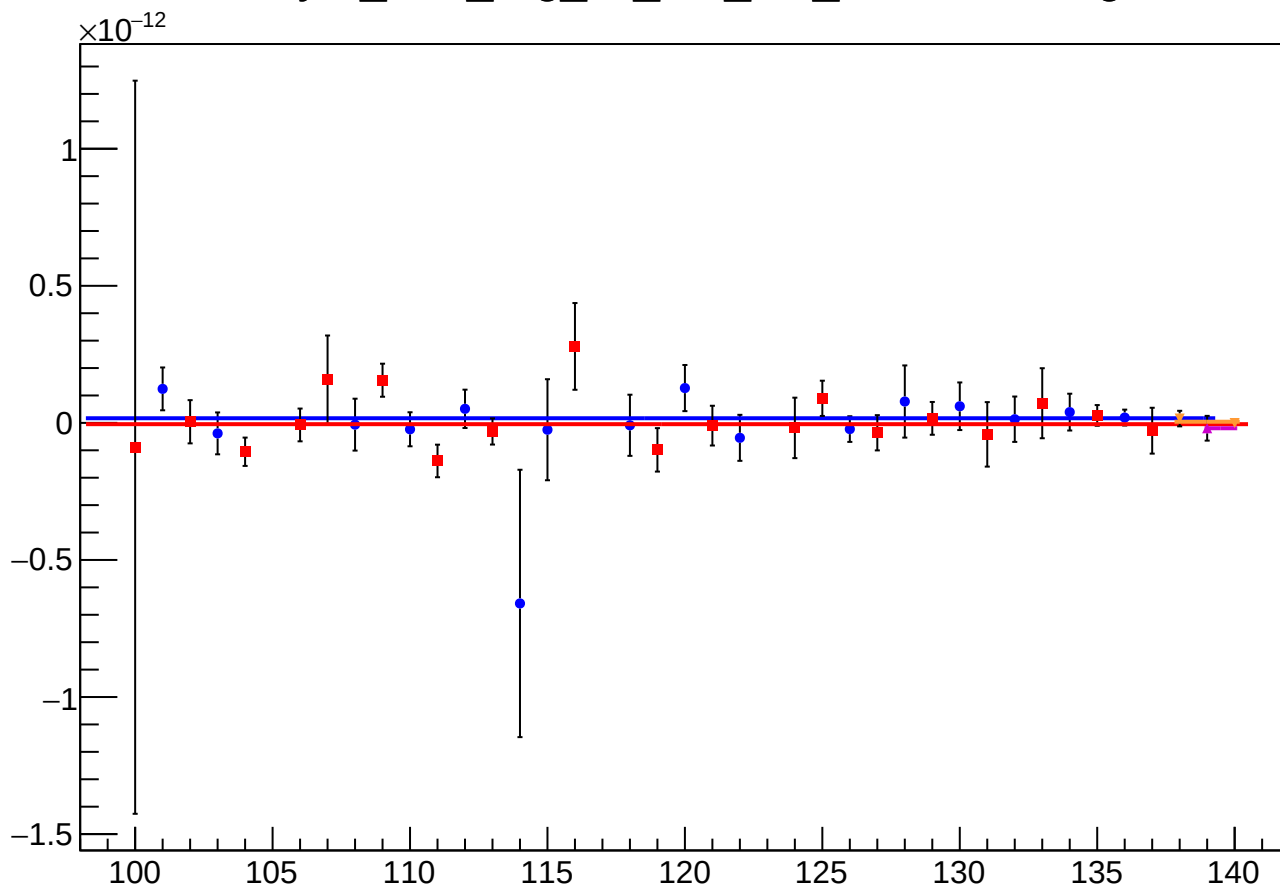
Left In: 2987.514+/-2.297 χ^2/NDF : 0.0/0

+ sign 2905.733+/-0.705 χ^2/NDF : 742409.0/17

All: 2897.895+/-0.504 χ^2/NDF : 937957.6/37

- sign 2889.677+/-0.722 χ^2/NDF : 195295.4/19

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/18

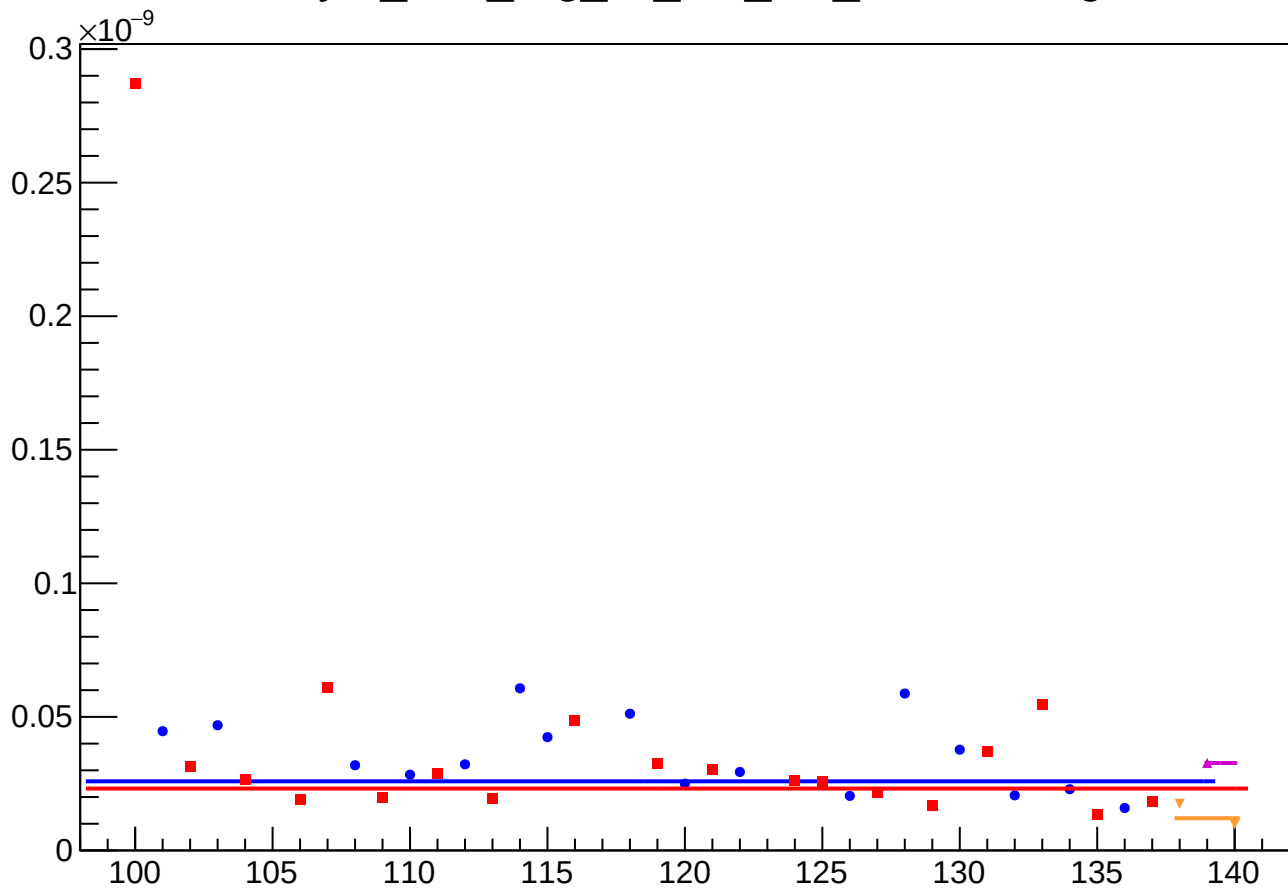
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.8/19

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 865479.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :102003.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 688853.9/18

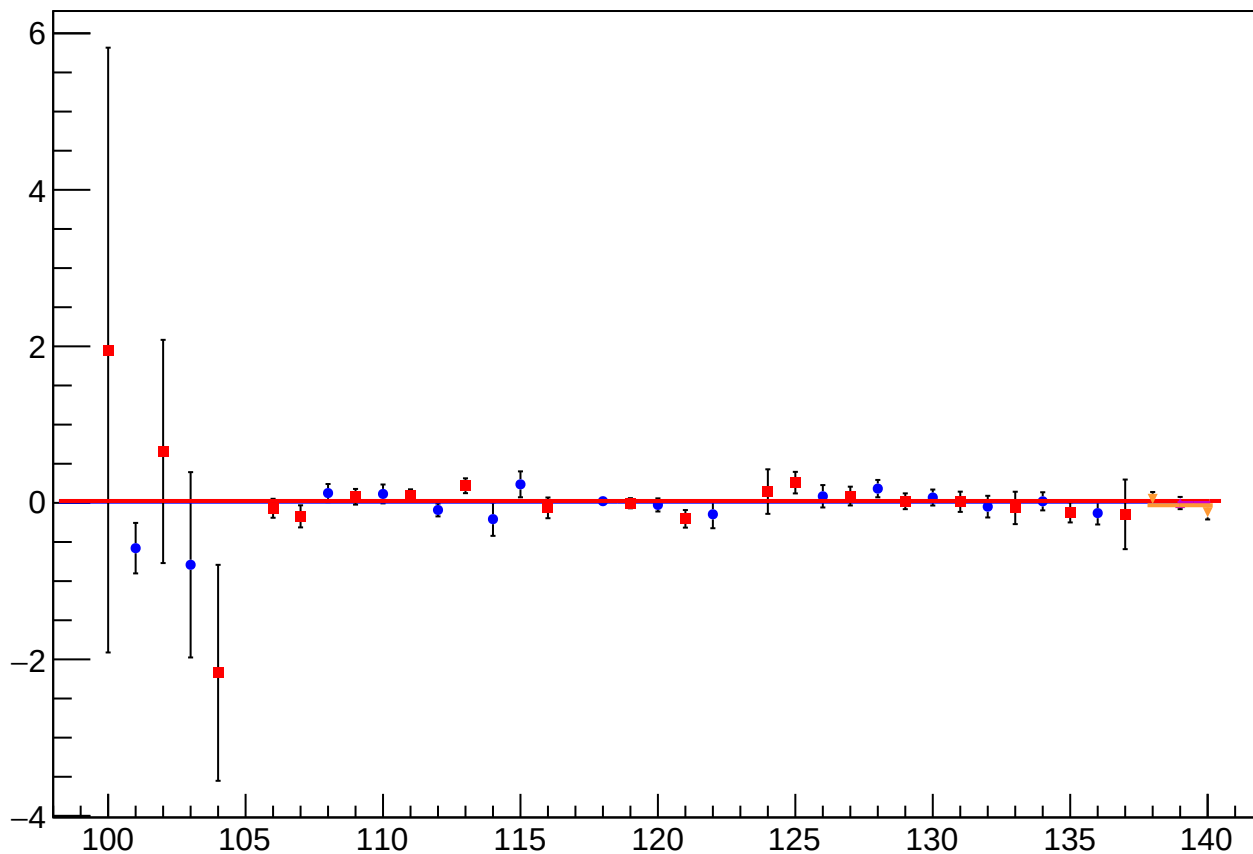
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1697148.1/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 2661279.0/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 768945.8/19

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: -0.030 $\pm$ 0.063 χ^2 /NDF: 1.8/1

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

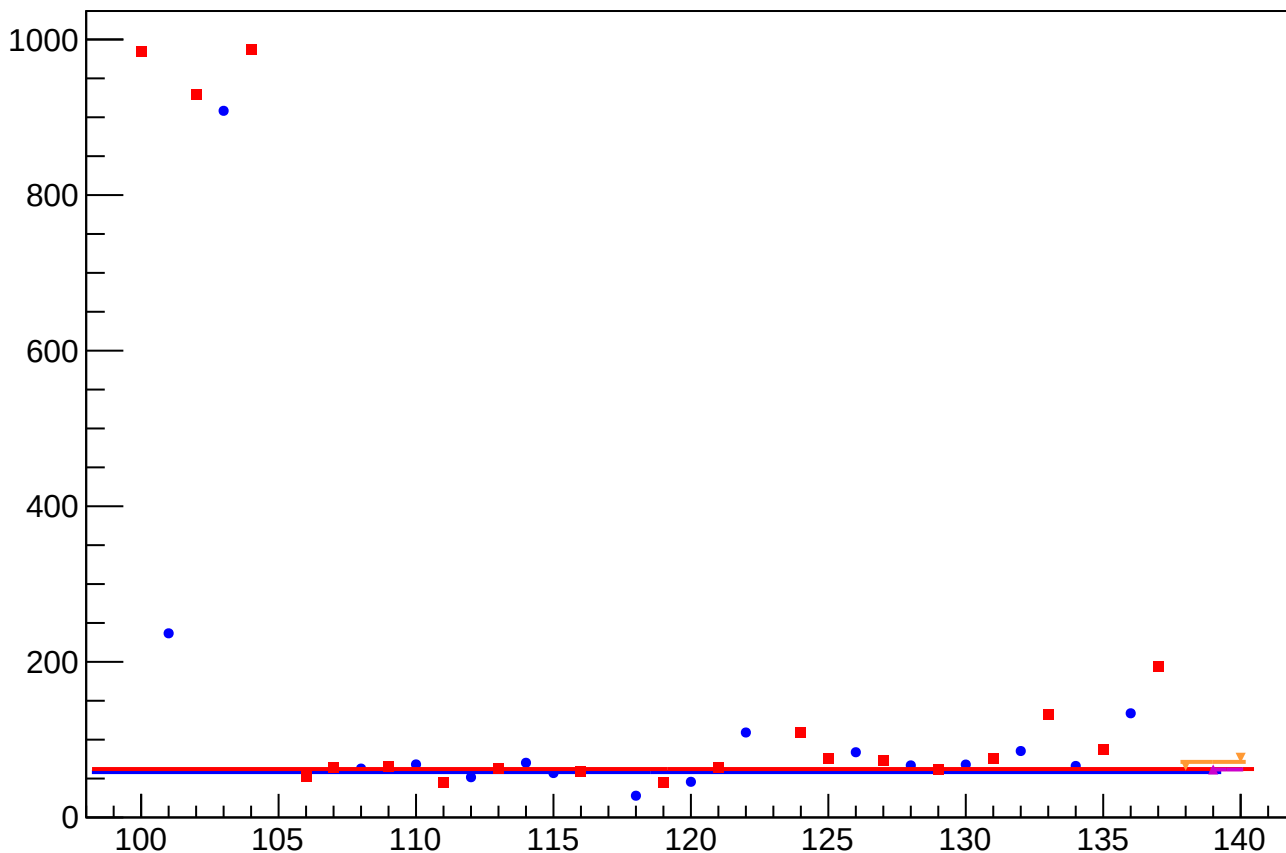
Left In: -0.002 $\pm$ 0.078 χ^2 /NDF: 0.0/0

+ sign 0.008 $\pm$ 0.025 χ^2 /NDF: 17.3/17

All: 0.014 $\pm$ 0.018 χ^2 /NDF: 38.3/37

- sign 0.021 $\pm$ 0.026 χ^2 /NDF: 20.9/19

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313 $\pm$ 0.020 χ^2 /NDF: 3260404.3/15

Left Out: 71.431 $\pm$ 0.045 χ^2 /NDF:12444.4/1

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627030.1/18

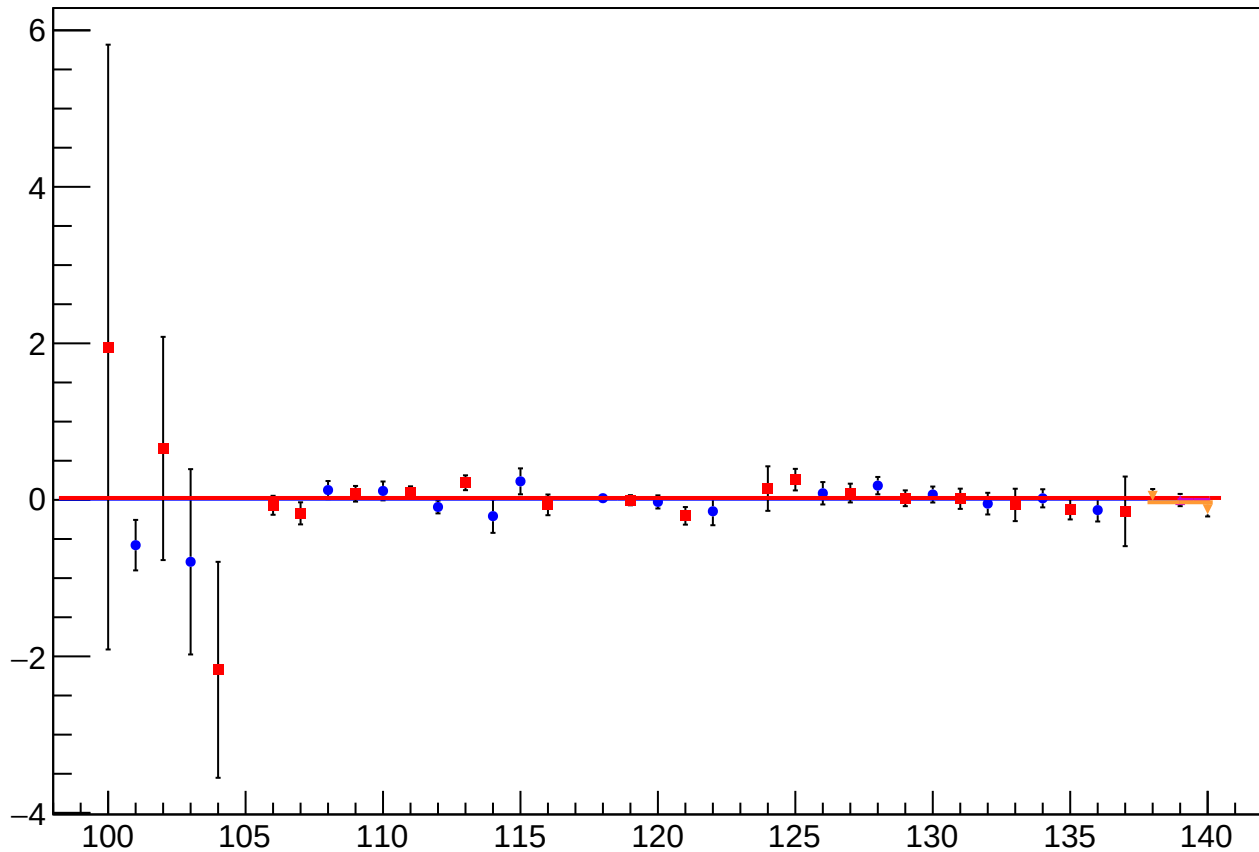
Left In: 61.688 $\pm$ 0.055 χ^2 /NDF:0.0/0

+ sign 60.427 $\pm$ 0.018 χ^2 /NDF: 3344455.7/17

All: 61.270 $\pm$ 0.013 χ^2 /NDF: 5976104.6/37

- sign 62.173 $\pm$ 0.019 χ^2 /NDF: 2627117.2/19

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2/NDF : 15.0/15

Left Out: -0.030 $\pm$ 0.063 χ^2/NDF : 1.8/1

Right Out: 0.024 $\pm$ 0.028 χ^2/NDF : 20.8/18

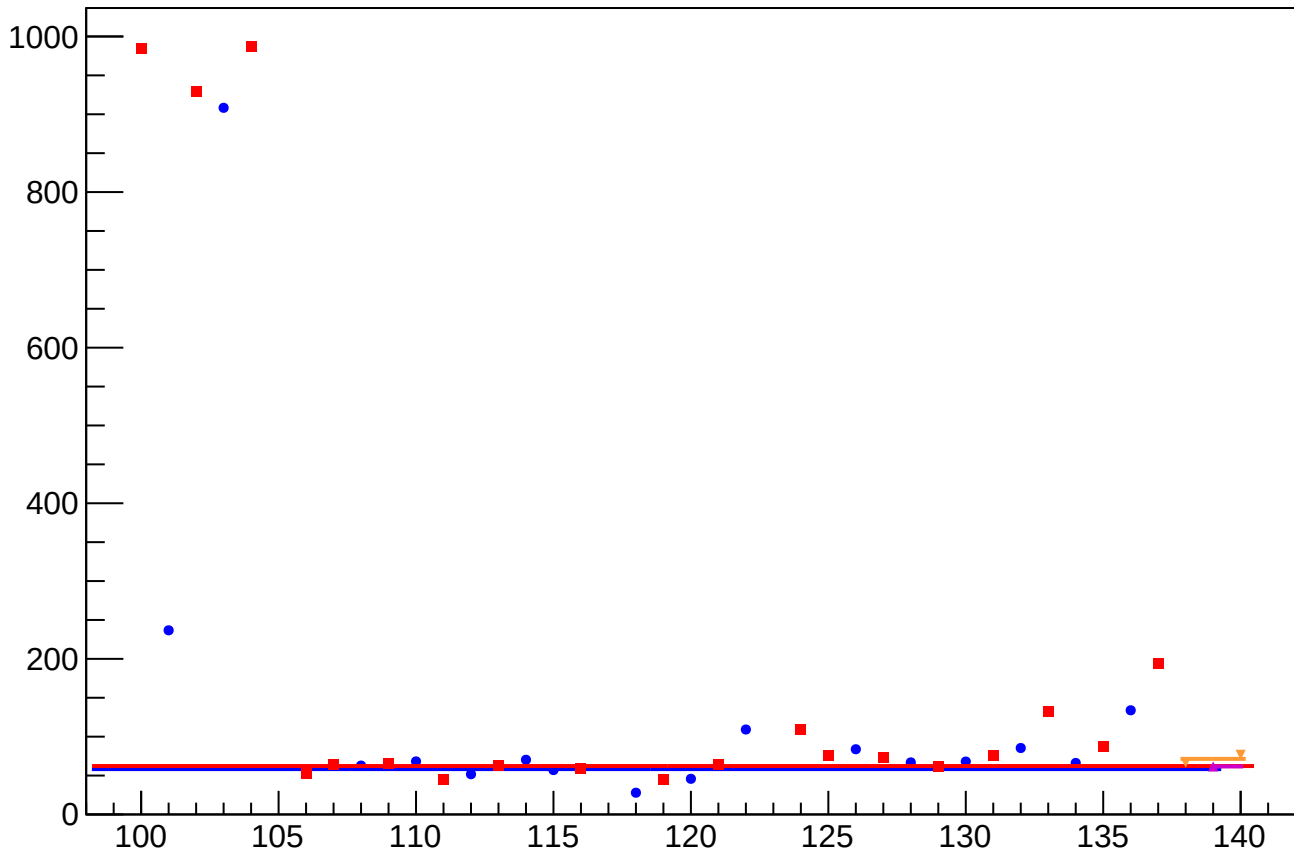
Left In: -0.002 $\pm$ 0.078 χ^2/NDF : 0.0/0

+ sign 0.008 $\pm$ 0.025 χ^2/NDF : 17.3/17

All: 0.014 $\pm$ 0.018 χ^2/NDF : 38.3/37

- sign 0.021 $\pm$ 0.026 χ^2/NDF : 20.9/19

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313 $\pm$ 0.020 χ^2 /NDF: 3260404.3/15

Left Out: 71.431 $\pm$ 0.045 χ^2 /NDF:12444.4/1

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627030.1/18

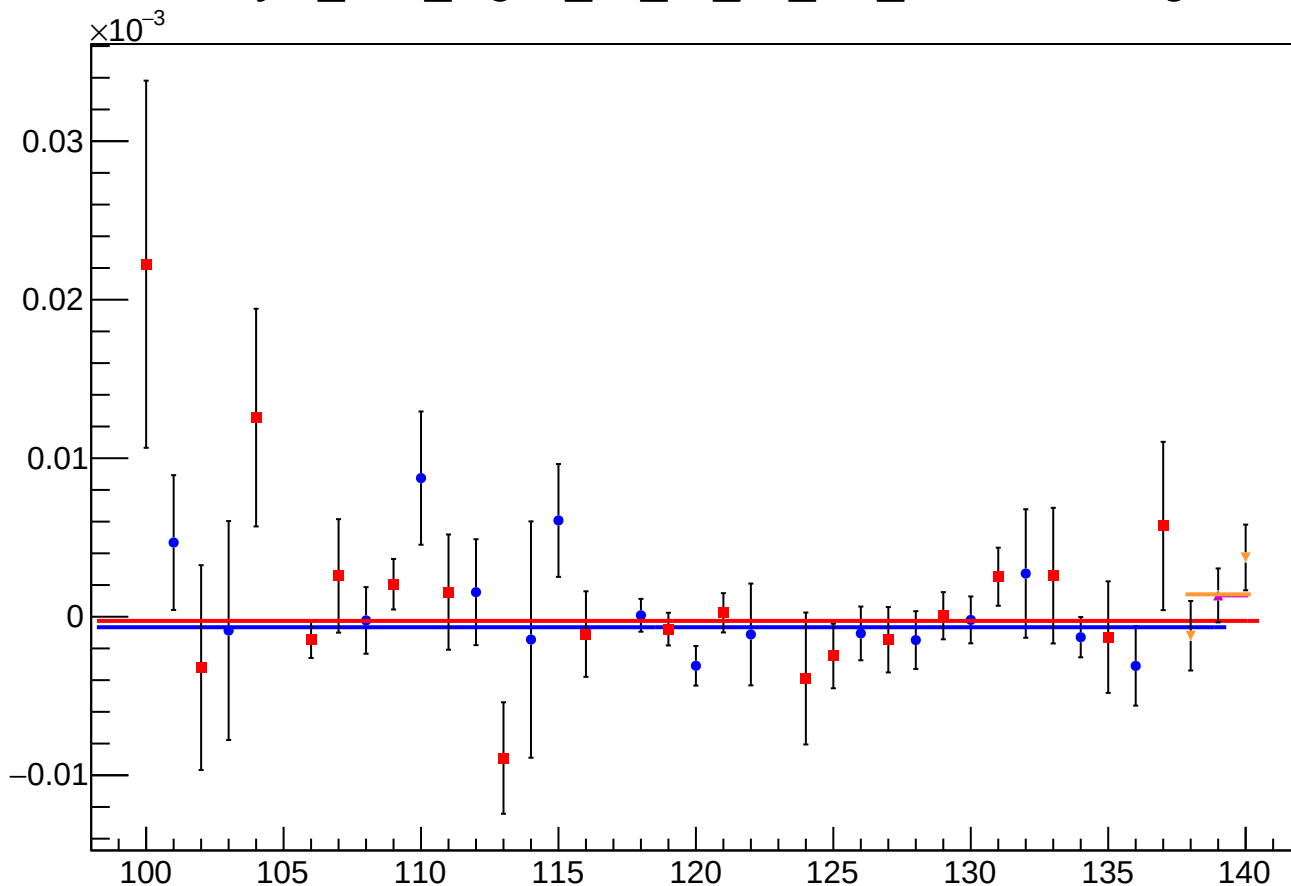
Left In: 61.688 $\pm$ 0.055 χ^2 /NDF:0.0/0

+ sign 60.427 $\pm$ 0.018 χ^2 /NDF: 3344455.7/17

All: 61.270 $\pm$ 0.013 χ^2 /NDF: 5976104.6/37

- sign 62.173 $\pm$ 0.019 χ^2 /NDF: 2627117.2/19

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 : 2.7/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.6/18

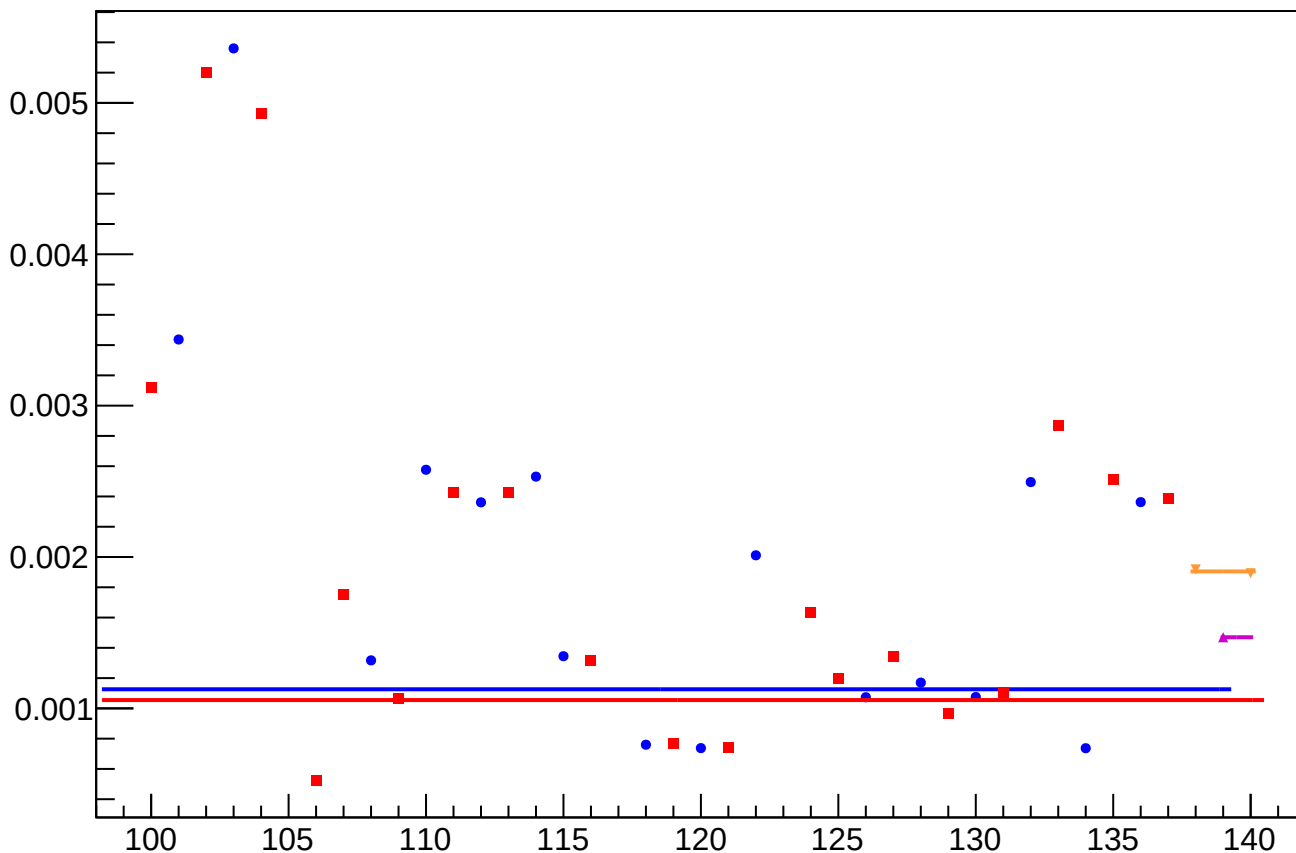
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 21.6/17

All: -0.000 ± 0.000 χ^2/NDF : 47.3/37

- sign -0.000 ± 0.000 χ^2/NDF : 25.4/19

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 :140.3/1

Right Out: 0.001+/-0.000 χ^2/NDF : 3848500.2/18

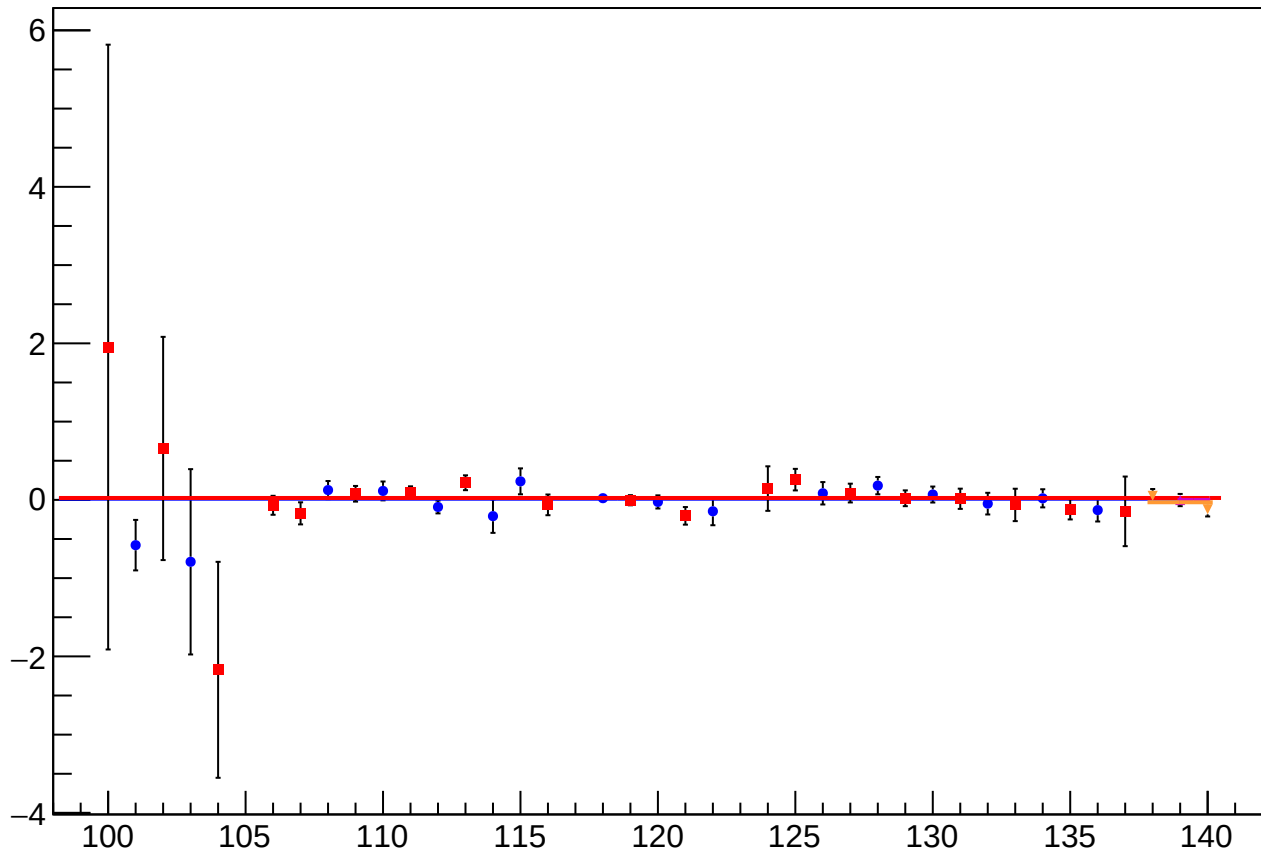
Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 3936236.9/17

All: 0.001+/-0.000 χ^2/NDF : 7960783.5/37

- sign 0.001+/-0.000 χ^2/NDF : 3959158.0/19

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: -0.030 $\pm$ 0.063 χ^2 /NDF: 1.8/1

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

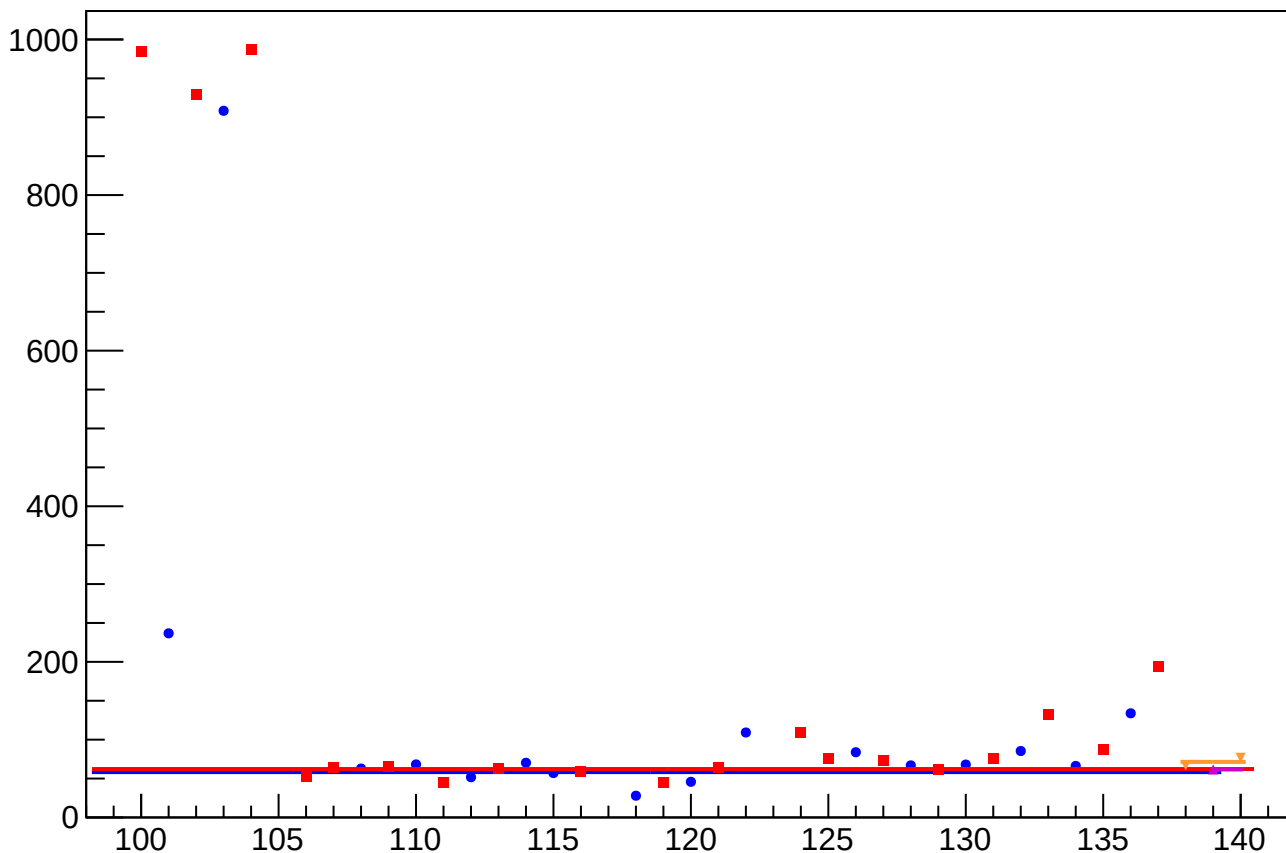
Left In: -0.002 $\pm$ 0.078 χ^2 /NDF: 0.0/0

+ sign 0.008 $\pm$ 0.025 χ^2 /NDF: 17.3/17

All: 0.014 $\pm$ 0.018 χ^2 /NDF: 38.3/37

- sign 0.021 $\pm$ 0.026 χ^2 /NDF: 20.9/19

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312 $\pm$ 0.020 χ^2 /NDF: 3260484.2/15

Left Out: 71.431 $\pm$ 0.045 χ^2 /NDF:12447.1/1

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627022.3/18

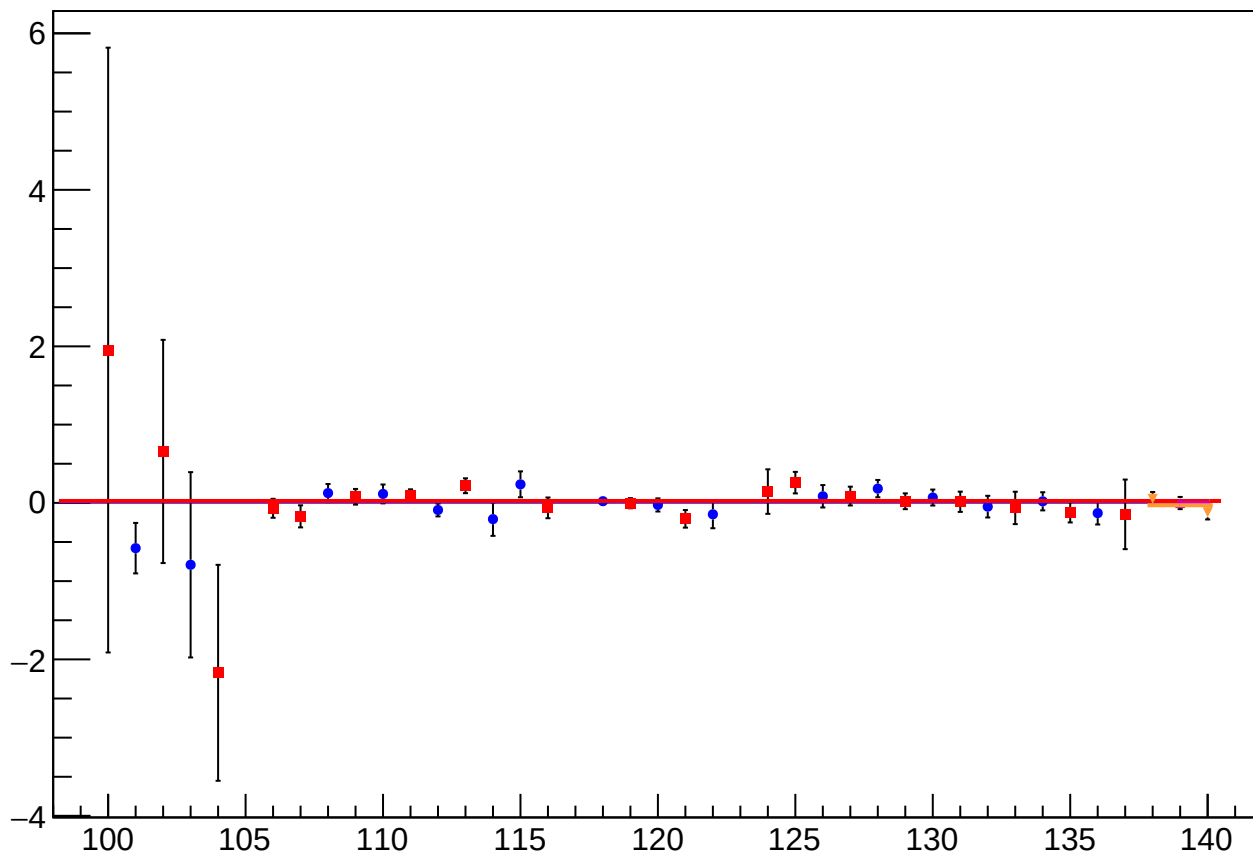
Left In: 61.689 $\pm$ 0.055 χ^2 /NDF:0.0/0

+ sign 60.426 $\pm$ 0.018 χ^2 /NDF: 3344544.0/17

All: 61.269 $\pm$ 0.013 χ^2 /NDF: 5976188.6/37

- sign 62.173 $\pm$ 0.019 χ^2 /NDF: 2627108.9/19

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: -0.030 $\pm$ 0.063 χ^2 /NDF: 1.8/1

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

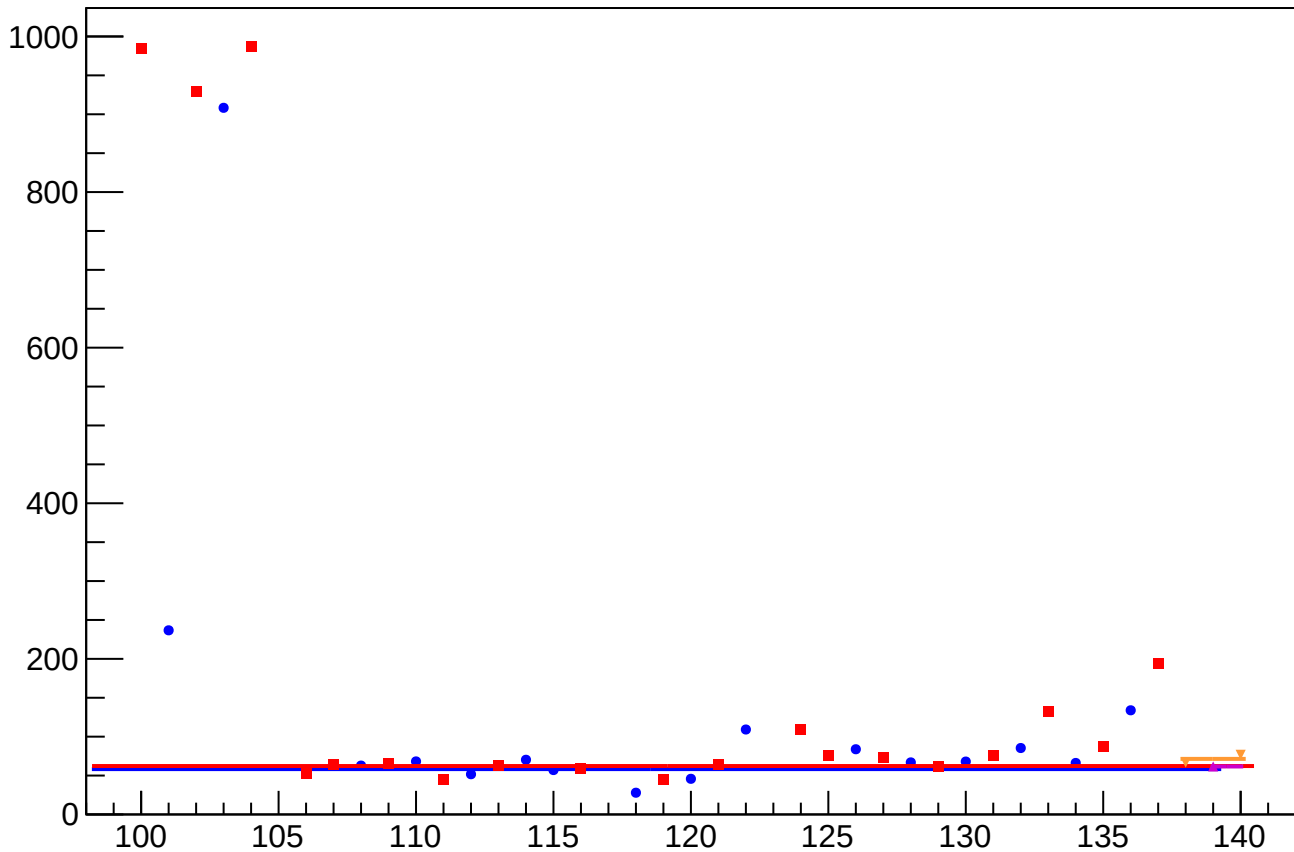
Left In: -0.002 $\pm$ 0.078 χ^2 /NDF: 0.0/0

+ sign 0.008 $\pm$ 0.025 χ^2 /NDF: 17.3/17

All: 0.014 $\pm$ 0.018 χ^2 /NDF: 38.3/37

- sign 0.021 $\pm$ 0.026 χ^2 /NDF: 20.9/19

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312 $\pm$ 0.020 χ^2 /NDF: 3260484.2/15

Left Out: 71.431 $\pm$ 0.045 χ^2 /NDF: 12447.1/1

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627022.3/18

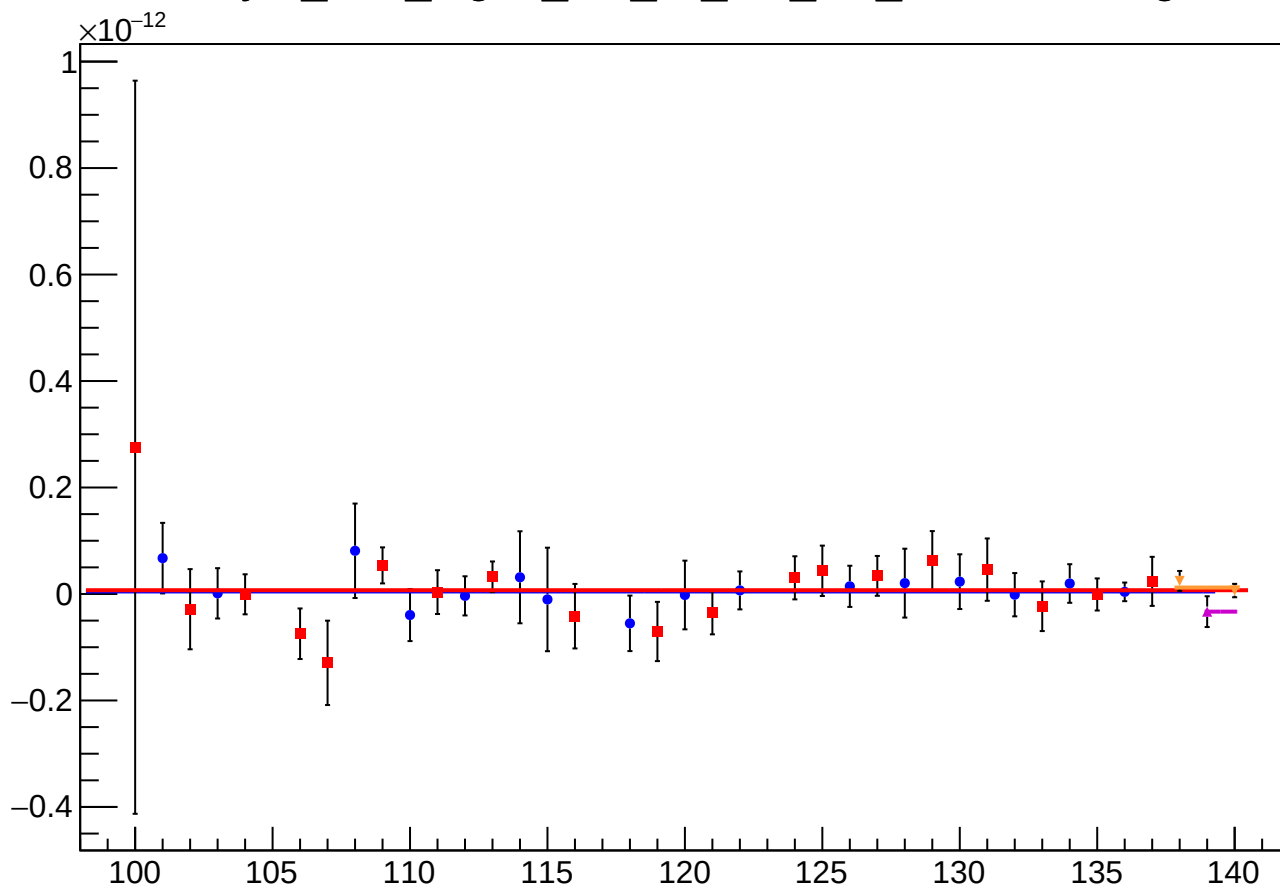
Left In: 61.689 $\pm$ 0.055 χ^2 /NDF: 0.0/0

+ sign 60.426 $\pm$ 0.018 χ^2 /NDF: 3344544.0/17

All: 61.269 $\pm$ 0.013 χ^2 /NDF: 5976188.6/37

- sign 62.173 $\pm$ 0.019 χ^2 /NDF: 2627108.9/19

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/18

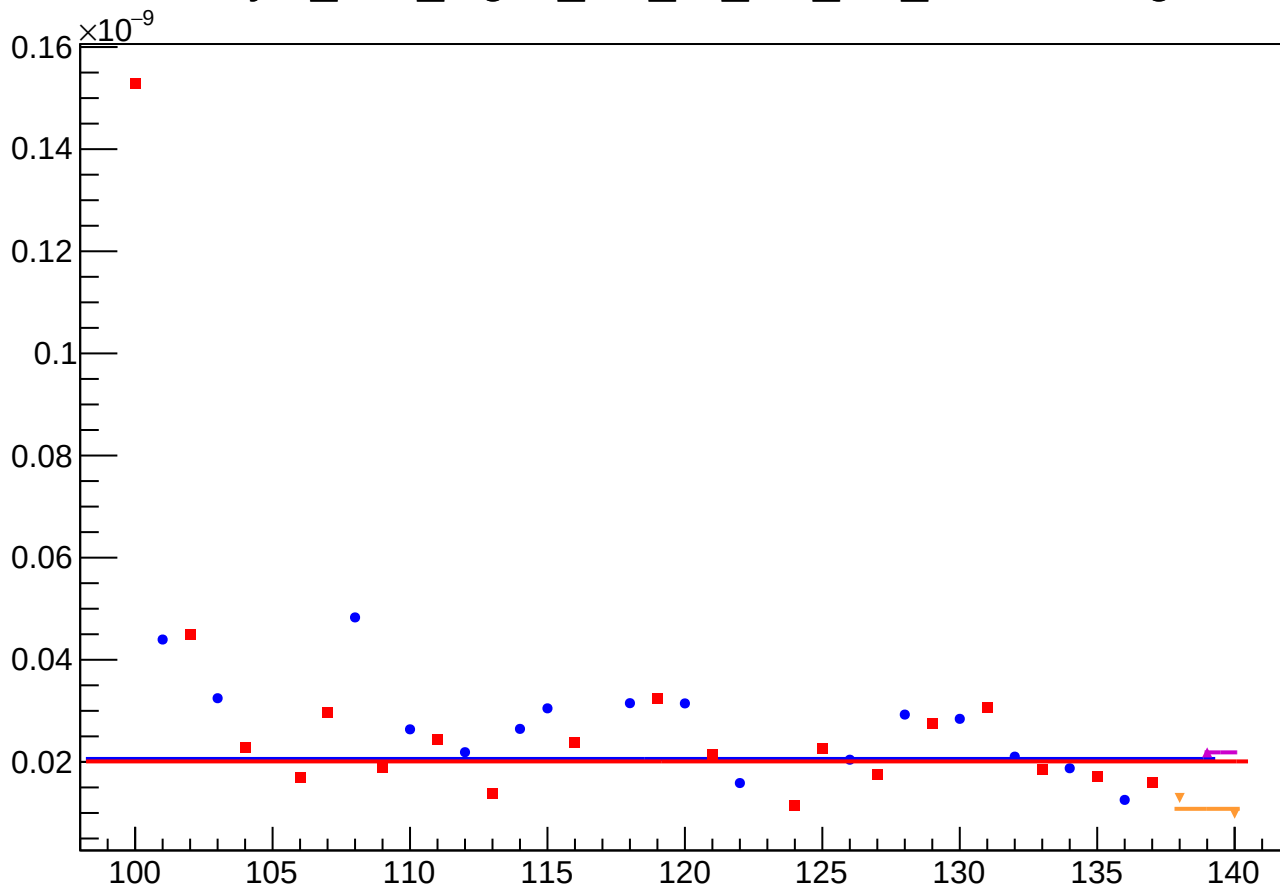
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/19

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1319631.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 37636.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 812191.2/18

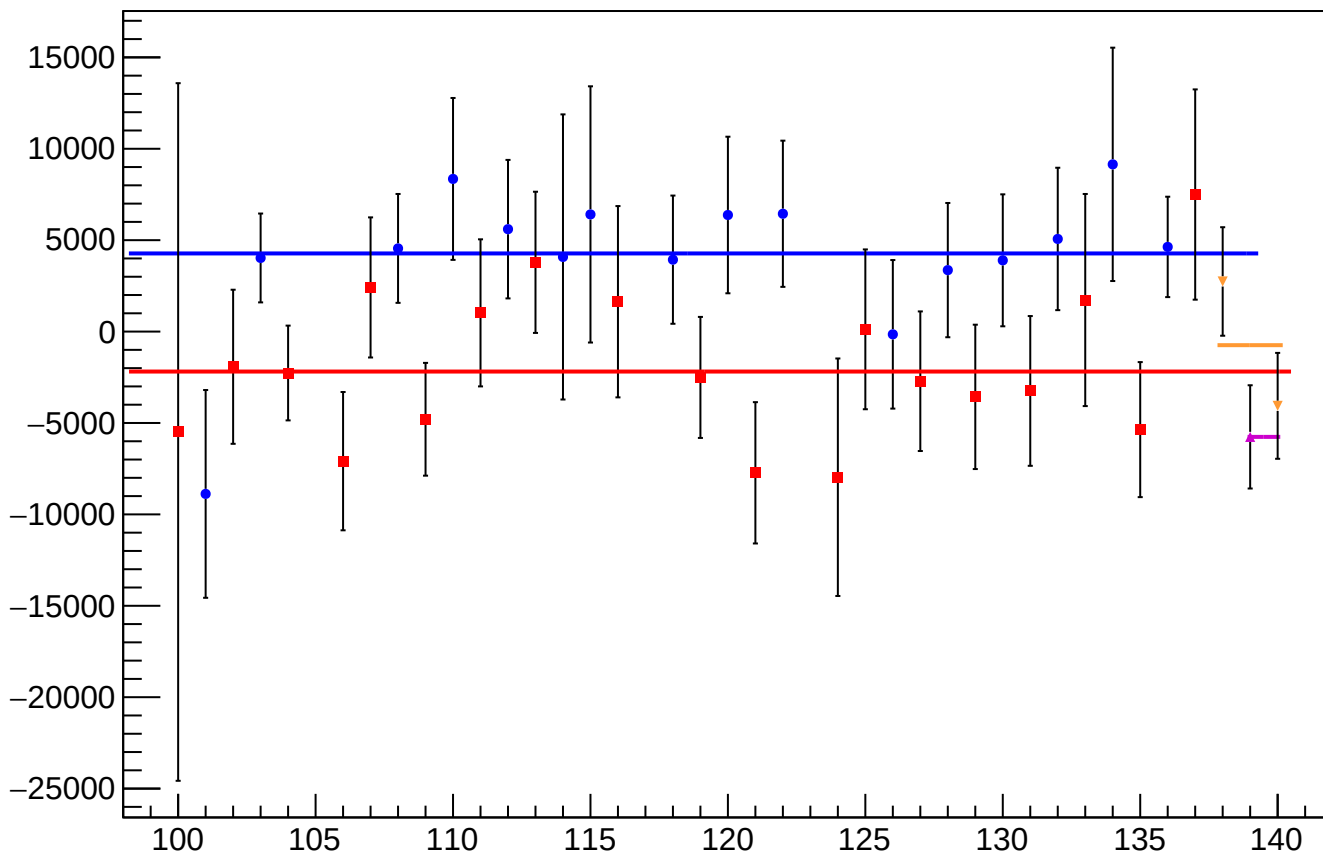
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2247806.4/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 3347029.5/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 818871.7/19

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF : 8.9/15

Left Out: -743.725+/-2072.922 χ^2/NDF : 2.7/1

Right Out: -2186.264+/-922.104 χ^2/NDF : 14.8/18

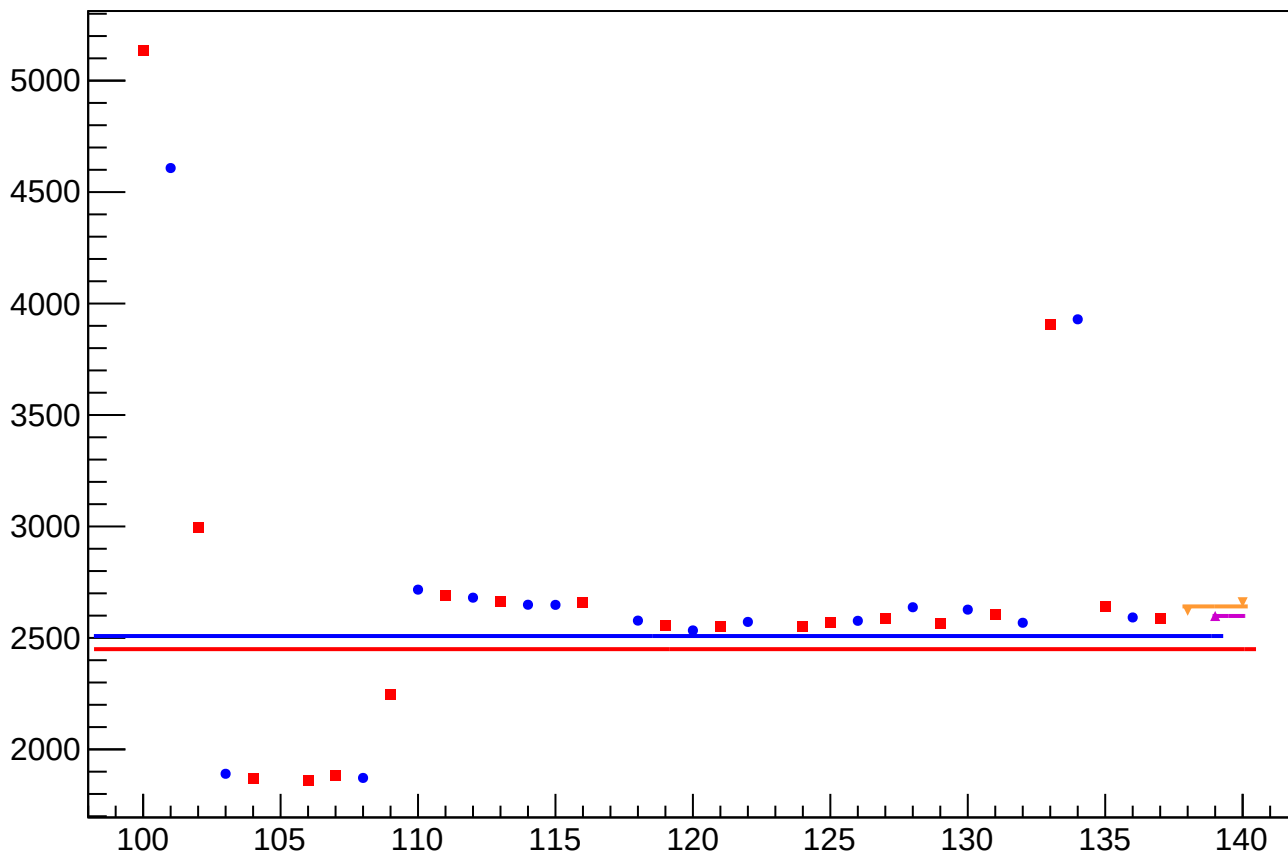
Left In: -5760.559+/-2824.318 χ^2/NDF : 0.0/0

+ sign 3400.413+/-865.094 χ^2/NDF : 16.4/17

All: 473.996+/-615.731 χ^2/NDF : 55.9/37

- sign -2530.562+/-876.568 χ^2/NDF : 16.3/19

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF : 611589.6/15

Left Out: 2641.306+/-1.466 χ^2/NDF :168.1/1

Right Out: 2449.623+/-0.652 χ^2/NDF : 436901.0/18

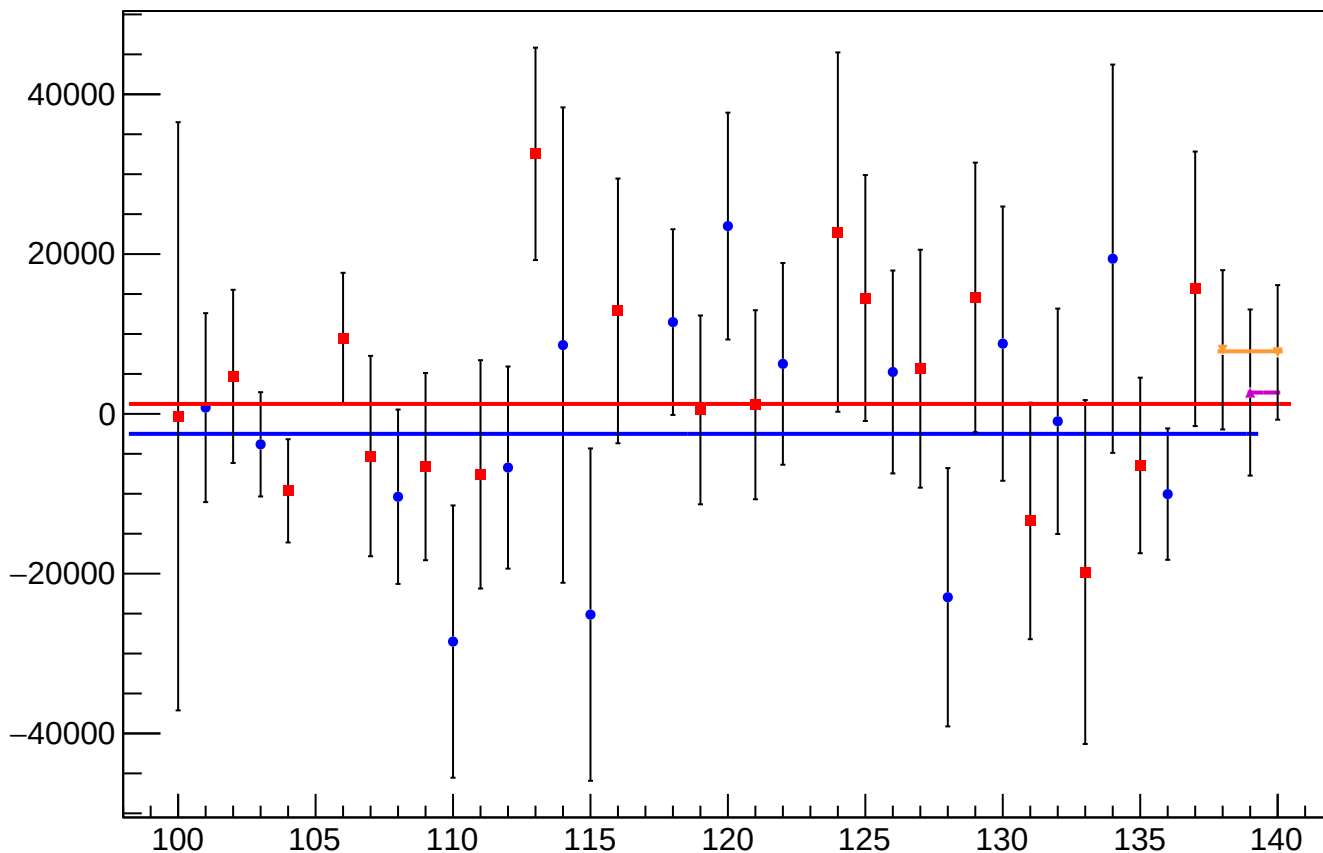
Left In: 2598.469+/-1.997 χ^2/NDF :0.0/0

+ sign 2531.603+/-0.612 χ^2/NDF : 618540.6/17

All: 2498.227+/-0.435 χ^2/NDF : 1066494.7/37

- sign 2463.960+/-0.620 χ^2/NDF : 441920.9/19

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602 ± 3075.580 χ^2/NDF : 13.8/15

Left Out: 7829.456 ± 6433.743 χ^2/NDF : 0.0/1

Right Out: 1244.352 ± 2852.739 χ^2/NDF : 16.6/18

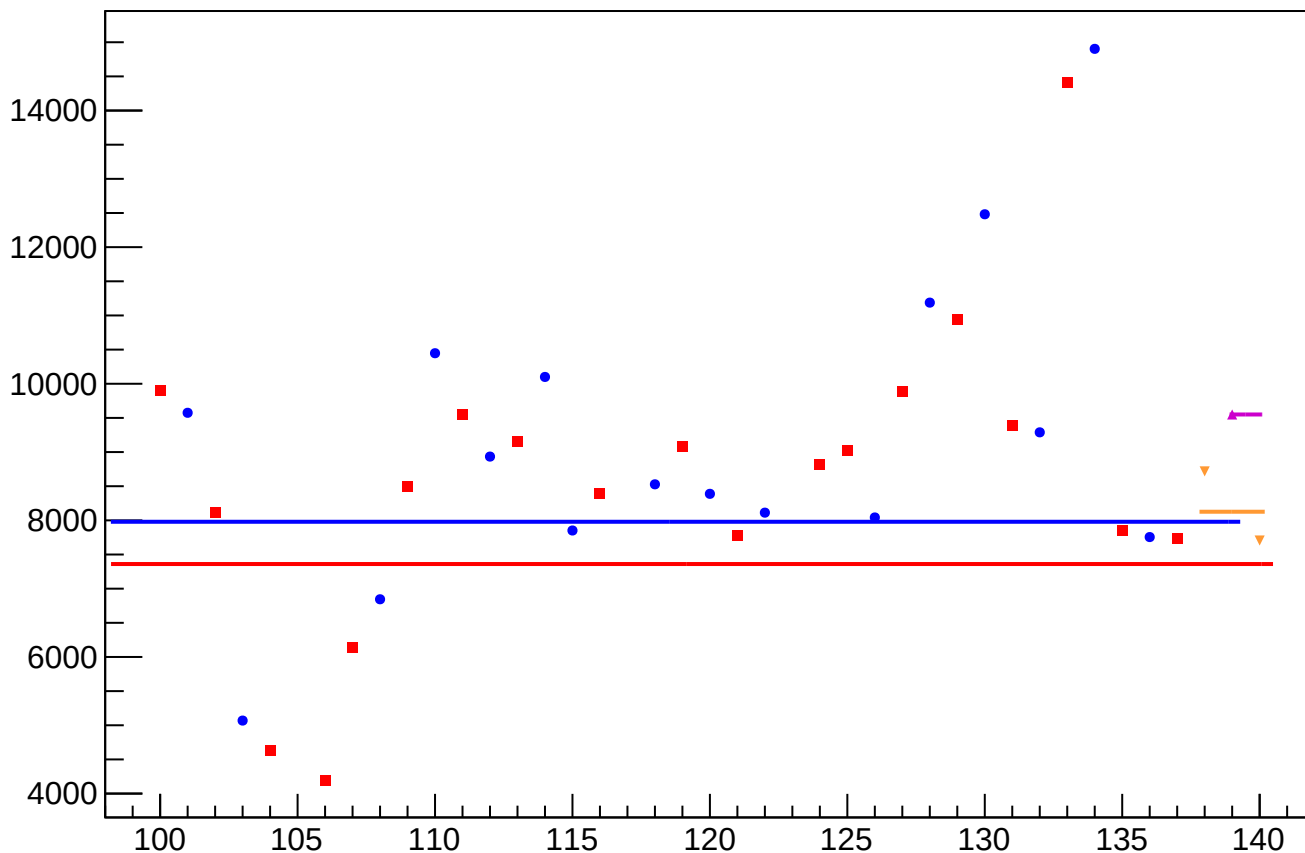
Left In: 2669.499 ± 10395.918 χ^2/NDF : 0.0/0

+ sign -579.074 ± 2774.825 χ^2/NDF : 15.9/17

All: 390.817 ± 1953.635 χ^2/NDF : 32.7/37

- sign 1344.152 ± 2751.041 χ^2/NDF : 16.6/19

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF : 923083.9/15

Left Out: 8126.442+/-4.549 χ^2/NDF : 12025.8/1

Right Out: 7360.741+/-2.017 χ^2/NDF : 1286008.5/18

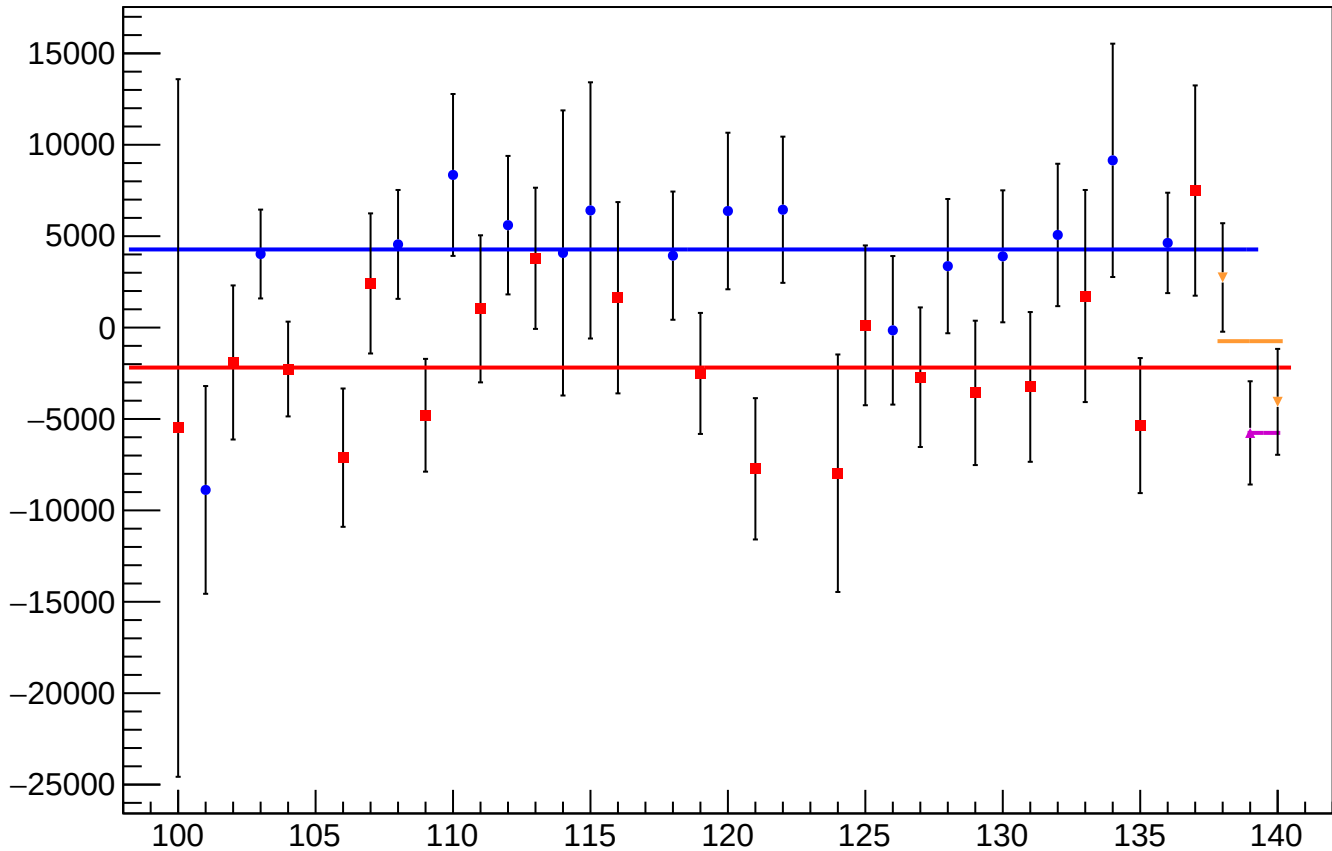
Left In: 9550.195+/-7.351 χ^2/NDF : 0.0/0

+ sign 8006.823+/-1.962 χ^2/NDF : 935959.0/17

All: 7758.322+/-1.381 χ^2/NDF : 2336273.0/37

- sign 7514.063+/-1.945 χ^2/NDF : 1368507.0/19

cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: -743.651 $\pm$ 2072.922 χ^2 /NDF:2.7/1

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

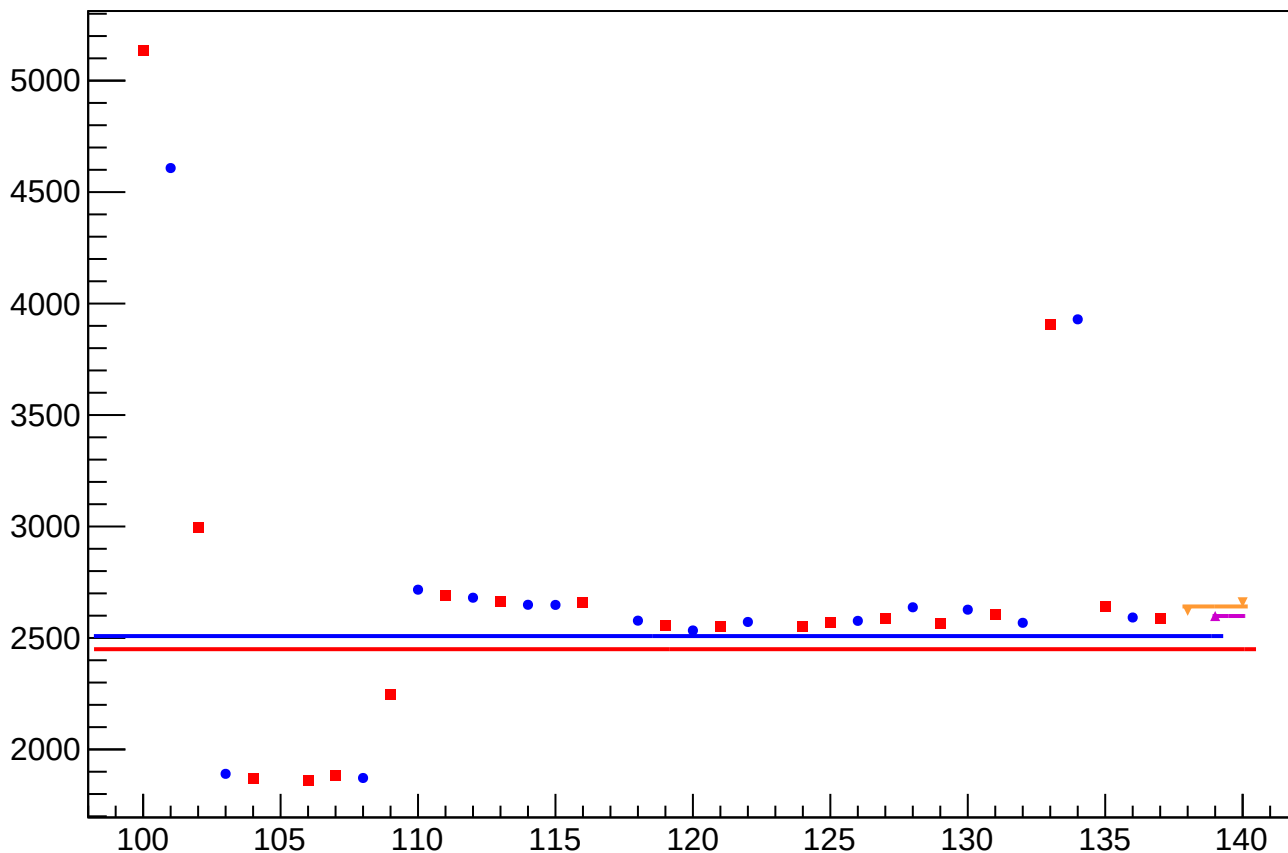
Left In: -5760.926 $\pm$ 2824.318 χ^2 /NDF:0.0/0

+ sign 3400.020 $\pm$ 865.094 χ^2 /NDF: 16.4/17

All: 473.521 $\pm$ 615.733 χ^2 /NDF: 55.9/37

- sign -2531.165 $\pm$ 876.575 χ^2 /NDF: 16.3/19

cor_asym_atr2_rms vs Slug



Right In: 2508.467 $\pm$ 0.673 χ^2 /NDF: 611587.4/15

Left Out: 2641.306 $\pm$ 1.466 χ^2 /NDF:168.1/1

Right Out: 2449.647 $\pm$ 0.652 χ^2 /NDF: 436846.6/18

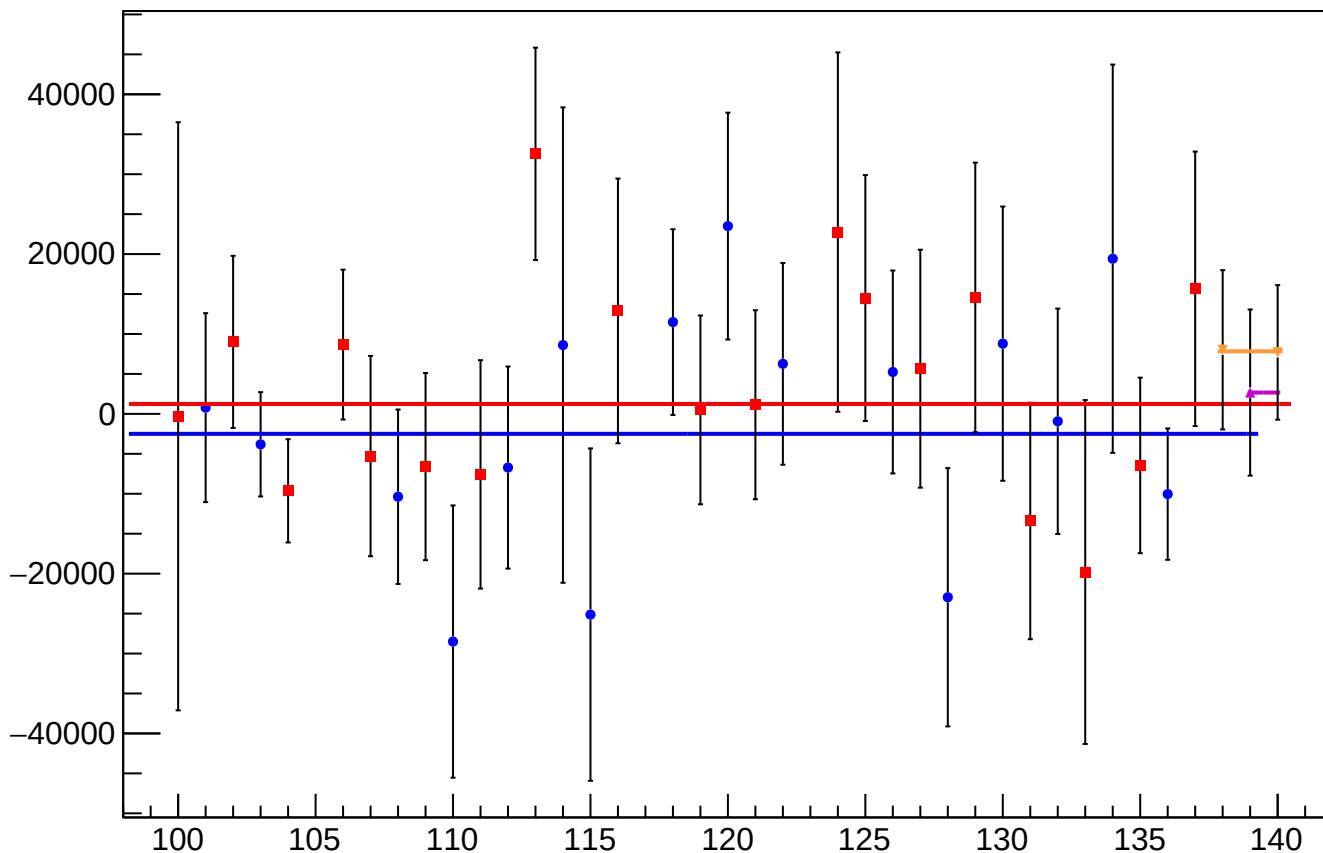
Left In: 2598.469 $\pm$ 1.997 χ^2 /NDF:0.0/0

+ sign 2531.603 $\pm$ 0.612 χ^2 /NDF: 618538.3/17

All: 2498.239 $\pm$ 0.435 χ^2 /NDF: 1066432.5/37

- sign 2463.983 $\pm$ 0.620 χ^2 /NDF: 441864.8/19

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380 ± 3075.668 χ^2/NDF : 13.8/15

Left Out: 7829.134 ± 6433.726 χ^2/NDF : 0.0/1

Right Out: 1239.896 ± 2893.464 χ^2/NDF : 16.6/18

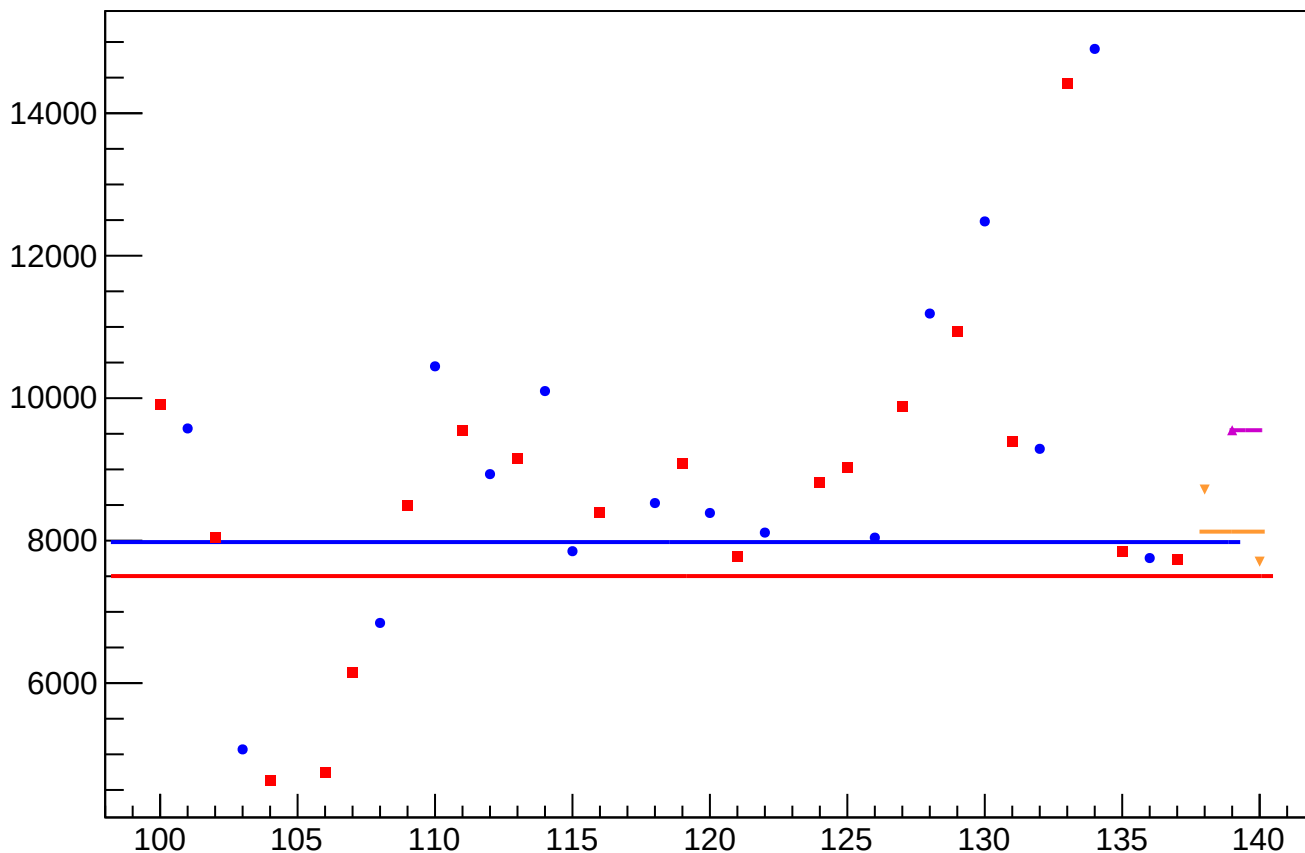
Left In: 2669.440 ± 10395.919 χ^2/NDF : 0.0/0

+ sign -578.855 ± 2774.889 χ^2/NDF : 15.9/17

All: 377.550 ± 1966.590 χ^2/NDF : 32.7/37

- sign 1342.675 ± 2787.510 χ^2/NDF : 16.6/19

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF : 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF :12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF : 1135523.5/18

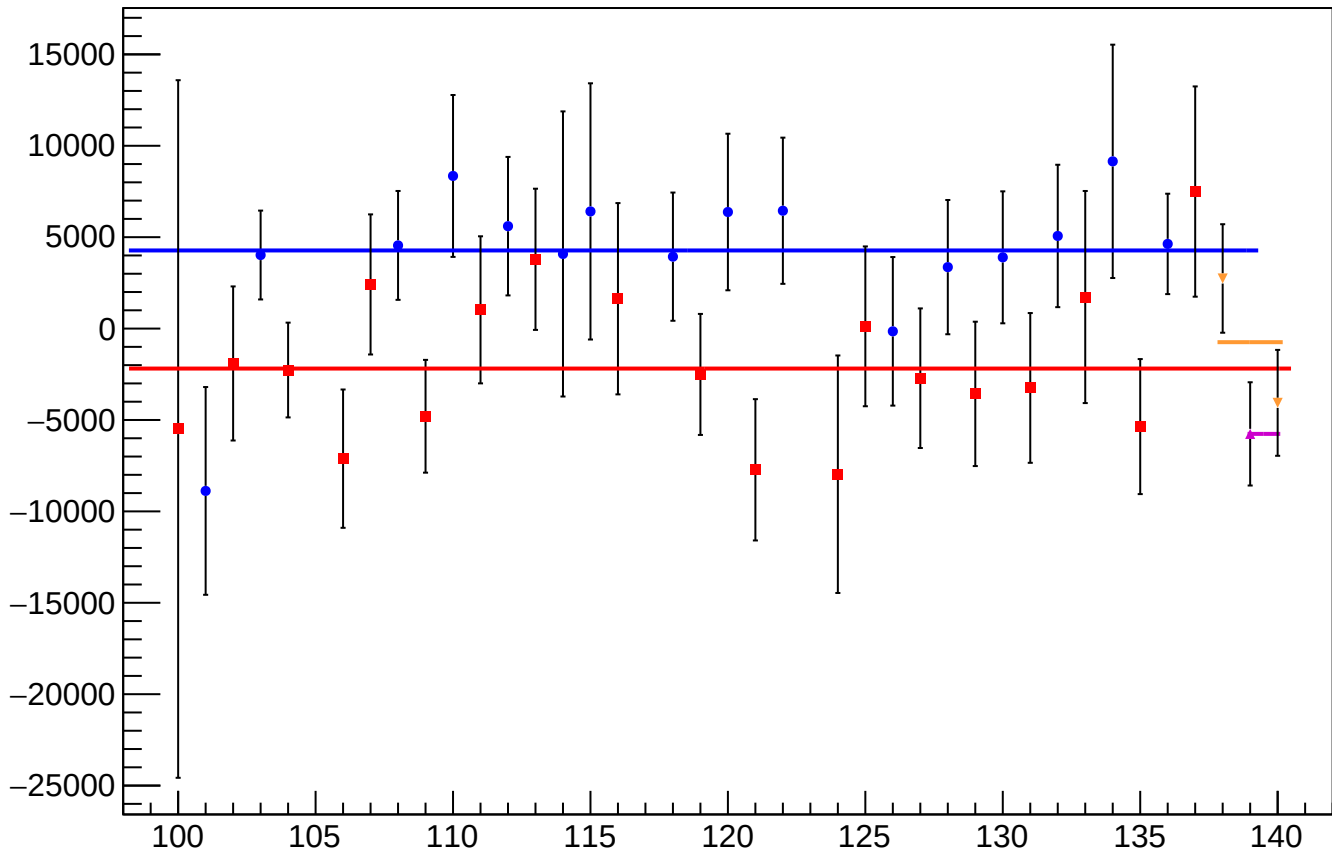
Left In: 9550.195+/-7.351 χ^2/NDF :0.0/0

+ sign 8007.084+/-1.962 χ^2/NDF : 935657.0/17

All: 7829.299+/-1.391 χ^2/NDF : 2159678.1/37

- sign 7649.894+/-1.971 χ^2/NDF : 1207526.9/19

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: -743.651 $\pm$ 2072.922 χ^2 /NDF:2.7/1

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

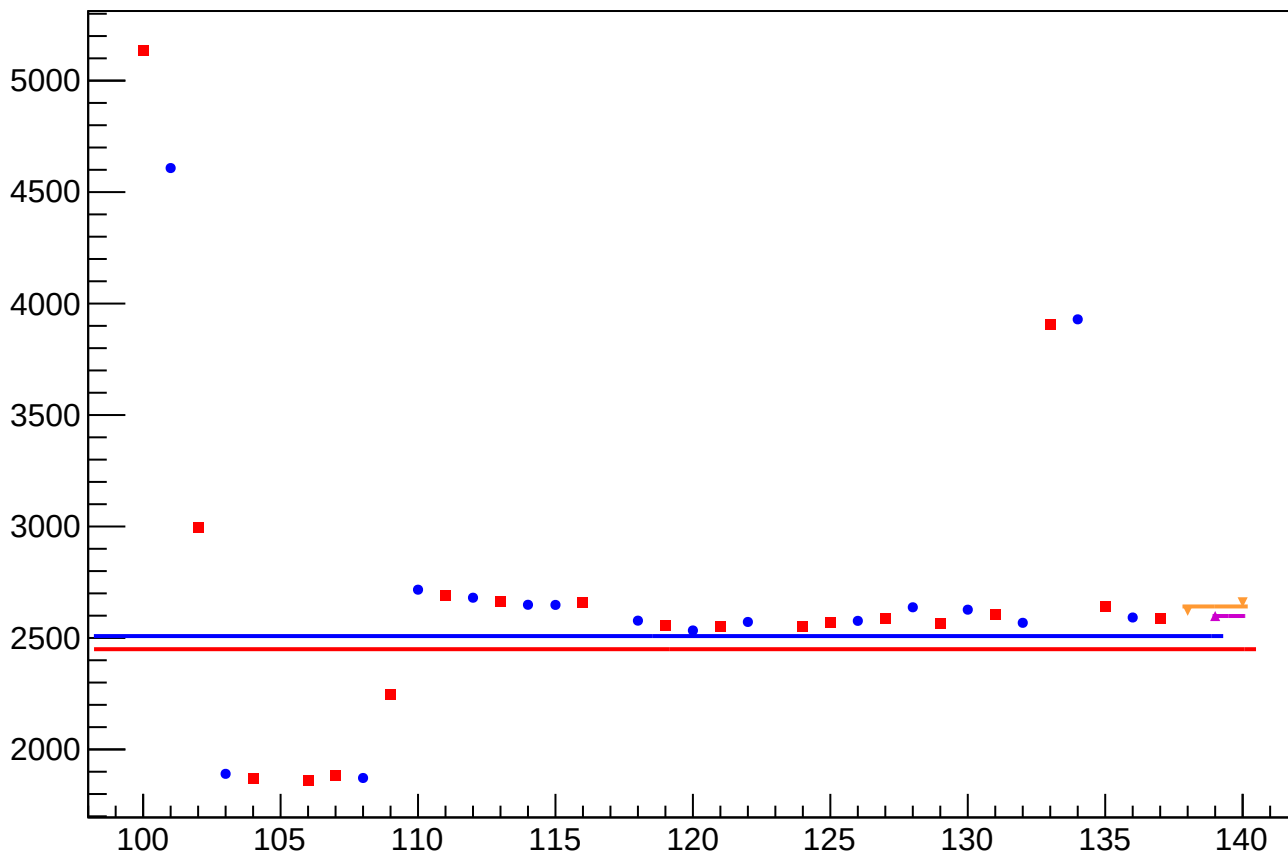
Left In: -5760.926 $\pm$ 2824.318 χ^2 /NDF:0.0/0

+ sign 3400.020 $\pm$ 865.094 χ^2 /NDF: 16.4/17

All: 473.521 $\pm$ 615.733 χ^2 /NDF: 55.9/37

- sign -2531.165 $\pm$ 876.575 χ^2 /NDF: 16.3/19

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF : 611587.4/15

Left Out: 2641.306+/-1.466 χ^2/NDF : 168.1/1

Right Out: 2449.647+/-0.652 χ^2/NDF : 436846.6/18

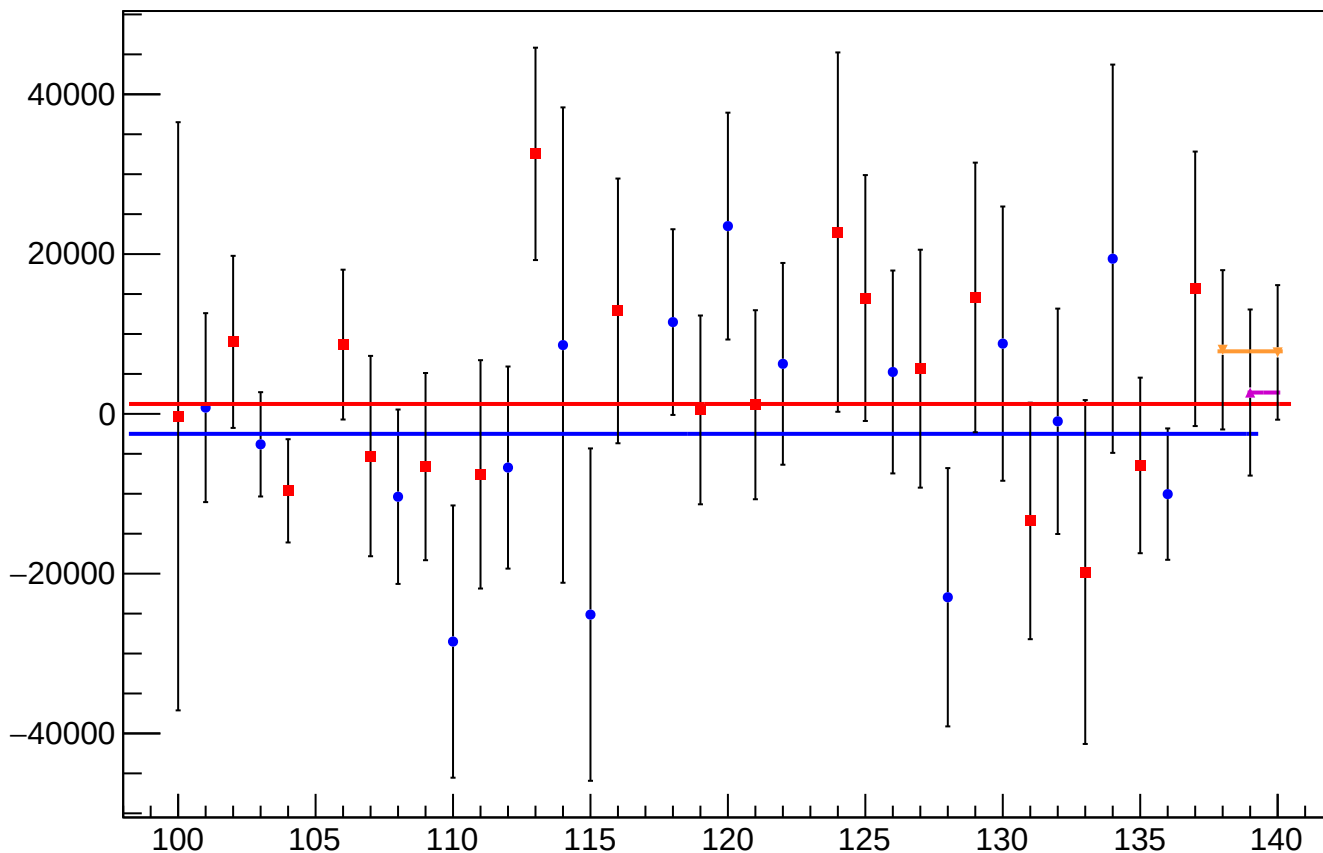
Left In: 2598.469+/-1.997 χ^2/NDF : 0.0/0

+ sign 2531.603+/-0.612 χ^2/NDF : 618538.3/17

All: 2498.239+/-0.435 χ^2/NDF : 1066432.5/37

- sign 2463.983+/-0.620 χ^2/NDF : 441864.8/19

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380 ± 3075.668 χ^2/NDF : 13.8/15

Left Out: 7829.134 ± 6433.726 χ^2/NDF : 0.0/1

Right Out: 1239.896 ± 2893.464 χ^2/NDF : 16.6/18

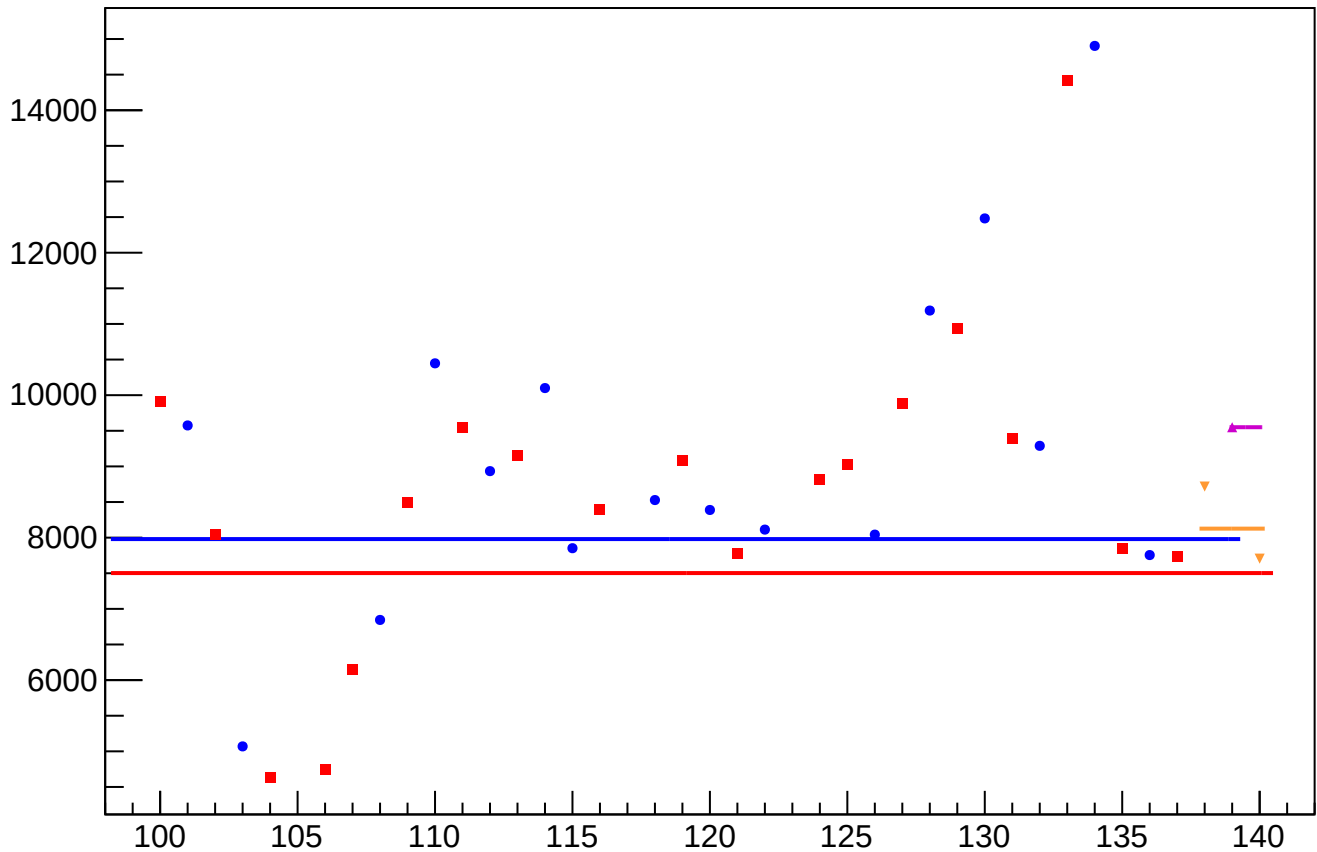
Left In: 2669.440 ± 10395.919 χ^2/NDF : 0.0/0

+ sign -578.855 ± 2774.889 χ^2/NDF : 15.9/17

All: 377.550 ± 1966.590 χ^2/NDF : 32.7/37

- sign 1342.675 ± 2787.510 χ^2/NDF : 16.6/19

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF : 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF : 12026.2/1

+ sign 8007.084+/-1.962 χ^2/NDF : 935657.0/17

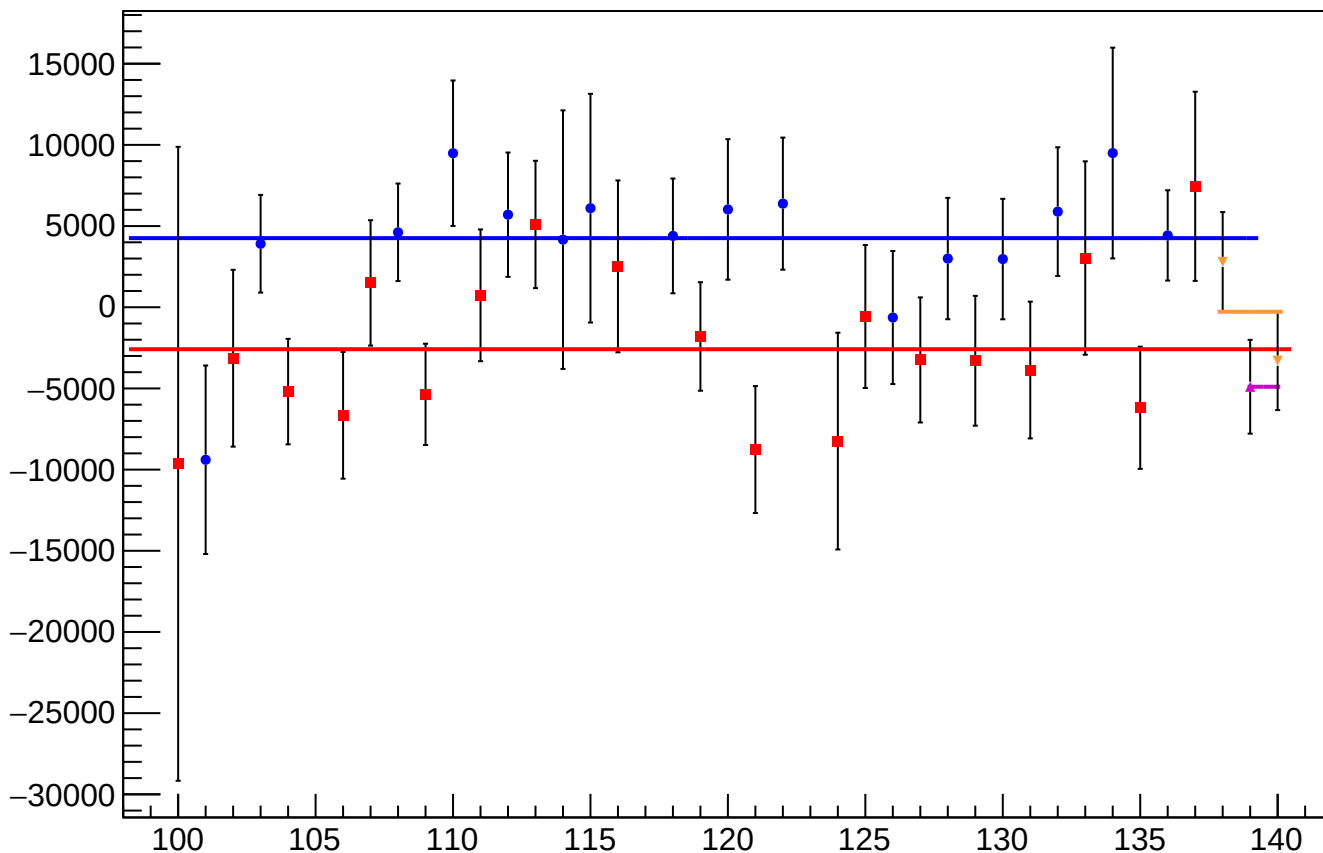
Right Out: 7502.685+/-2.046 χ^2/NDF : 1135523.5/18

All: 7829.299+/-1.391 χ^2/NDF : 2159678.1/37

- sign 7649.894+/-1.971 χ^2/NDF : 1207526.9/19

Left In: 9550.195+/-7.351 χ^2/NDF : 0.0/0

dit_asym_atr2_mean vs Slug



Right In: 4256.977 $\pm$ 990.542 χ^2 /NDF: 10.1/15

Left Out: -278.592 $\pm$ 2160.667 χ^2 /NDF:2.0/1

Right Out: -2584.689 $\pm$ 966.049 χ^2 /NDF: 17.6/18

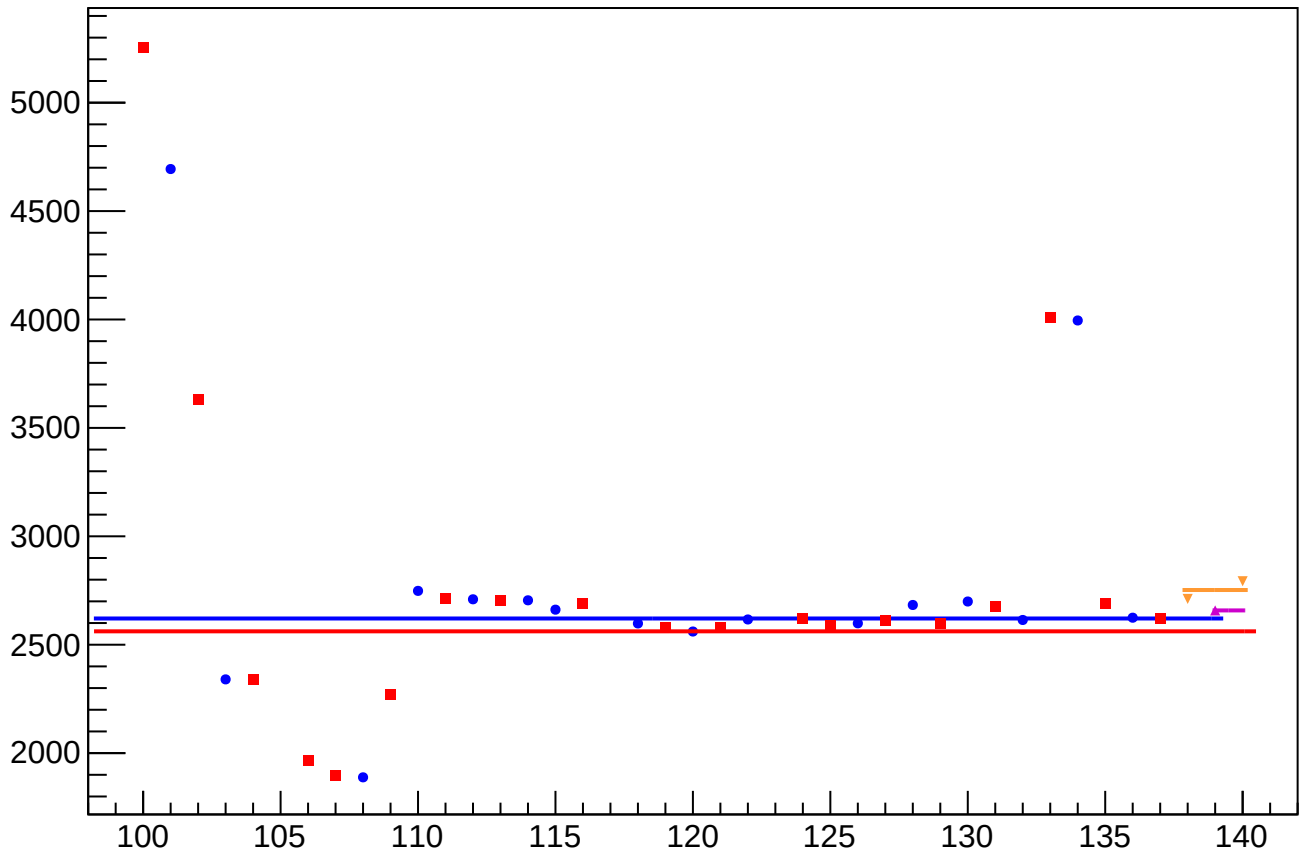
Left In: -4896.601 $\pm$ 2889.615 χ^2 /NDF:0.0/0

+ sign 3469.287 $\pm$ 900.429 χ^2 /NDF: 15.7/17

All: 380.669 $\pm$ 642.204 χ^2 /NDF: 57.8/37

- sign -2817.110 $\pm$ 916.203 χ^2 /NDF: 18.2/19

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF : 485914.1/15

Left Out: 2752.318+/-1.528 χ^2/NDF : 711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF : 378259.5/18

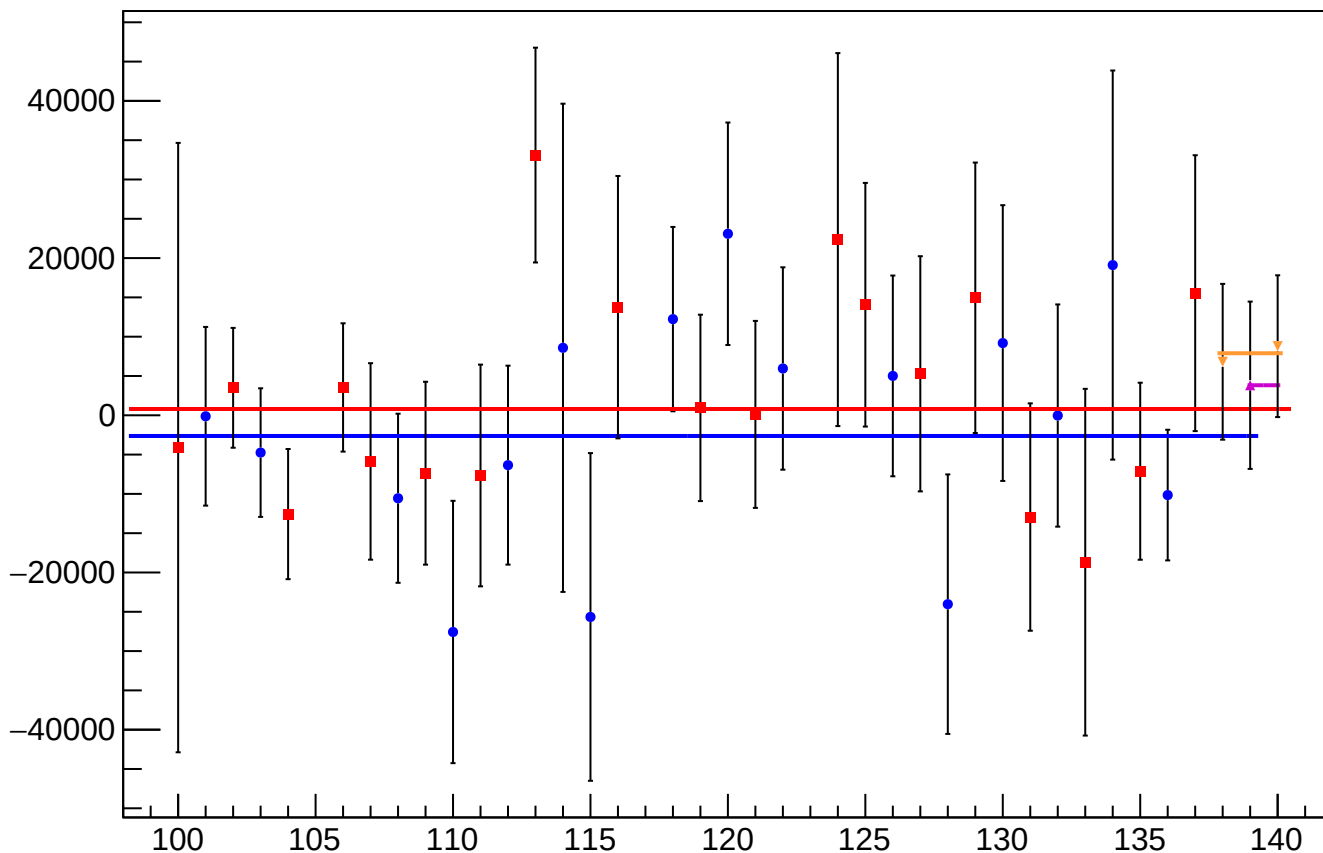
Left In: 2658.200+/-2.043 χ^2/NDF : 0.0/0

+ sign 2643.776+/-0.637 χ^2/NDF : 492733.9/17

All: 2608.201+/-0.454 χ^2/NDF : 879349.8/37

- sign 2571.408+/-0.648 χ^2/NDF : 380265.2/19

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921 ± 3211.506 χ^2/NDF : 13.8/15

Left Out: 7892.824 ± 6670.968 χ^2/NDF : 0.0/1

Right Out: 802.880 ± 2872.934 χ^2/NDF : 15.4/18

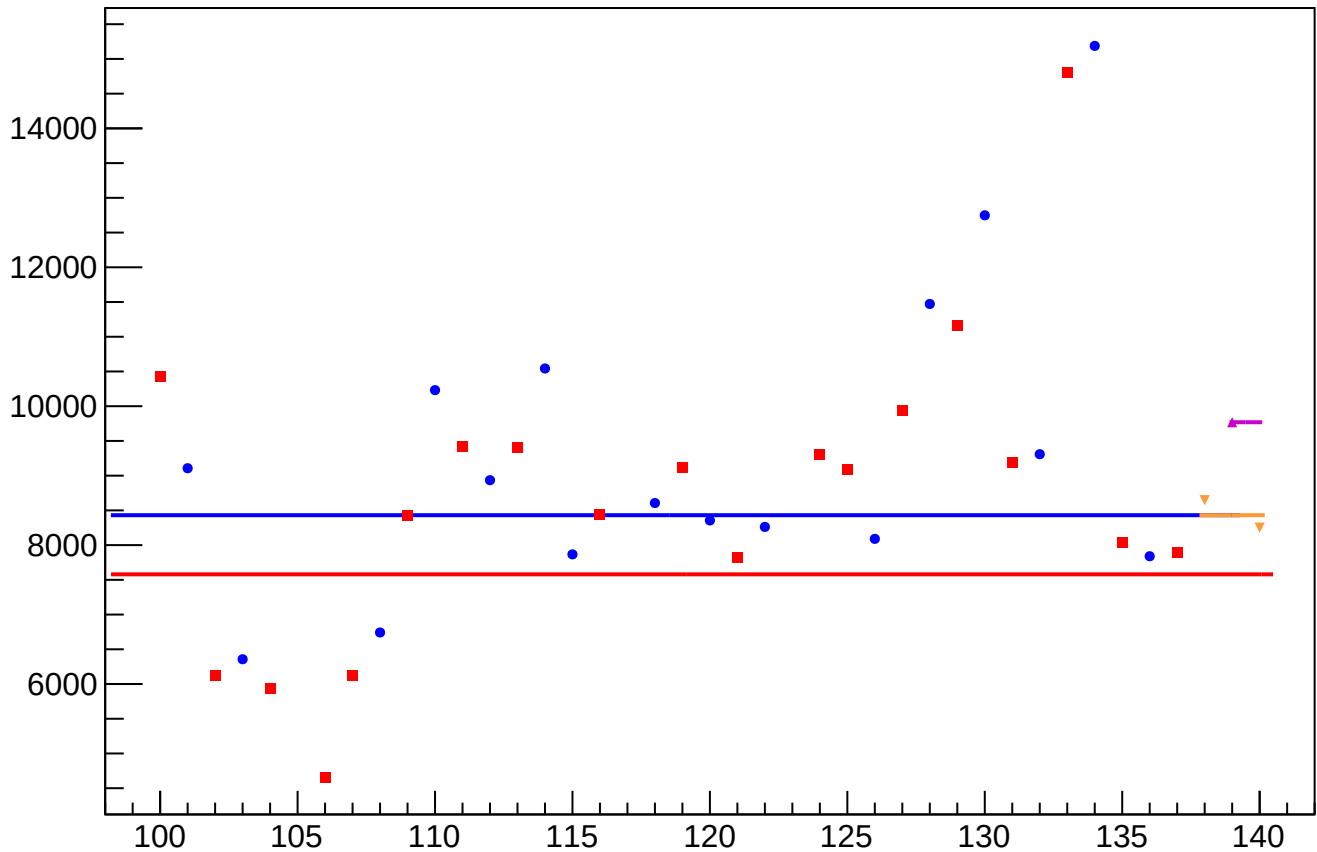
Left In: 3821.818 ± 10642.811 χ^2/NDF : 0.0/0

+ sign -651.648 ± 2893.647 χ^2/NDF : 15.8/17

All: 213.259 ± 2002.347 χ^2/NDF : 31.5/37

- sign 1007.923 ± 2773.655 χ^2/NDF : 15.5/19

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768 $\pm$ 2.271 χ^2 /NDF: 580295.1/15

Left Out: 8430.884 $\pm$ 4.717 χ^2 /NDF:1738.6/1

Right Out: 7579.112 $\pm$ 2.031 χ^2 /NDF: 974126.9/18

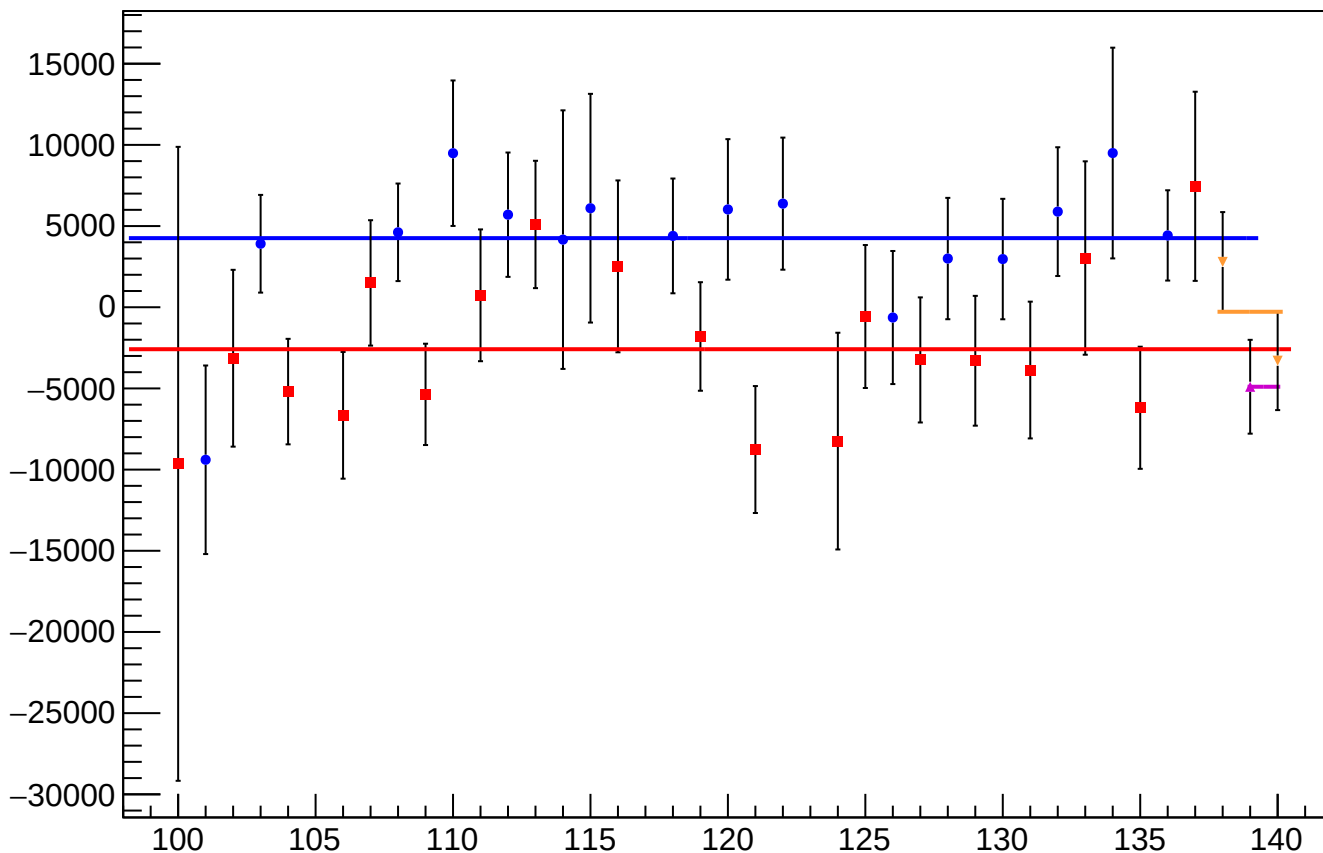
Left In: 9769.147 $\pm$ 7.526 χ^2 /NDF:0.0/0

+ sign 8430.790 $\pm$ 2.046 χ^2 /NDF: 582033.7/17

All: 8064.447 $\pm$ 1.416 χ^2 /NDF: 1696605.4/37

- sign 7727.857 $\pm$ 1.961 χ^2 /NDF: 1053062.5/19

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984 $\pm$ 990.541 χ^2 /NDF: 10.1/15

Left Out: -278.604 $\pm$ 2160.668 χ^2 /NDF: 2.0/1

Right Out: -2584.699 $\pm$ 966.048 χ^2 /NDF: 17.6/18

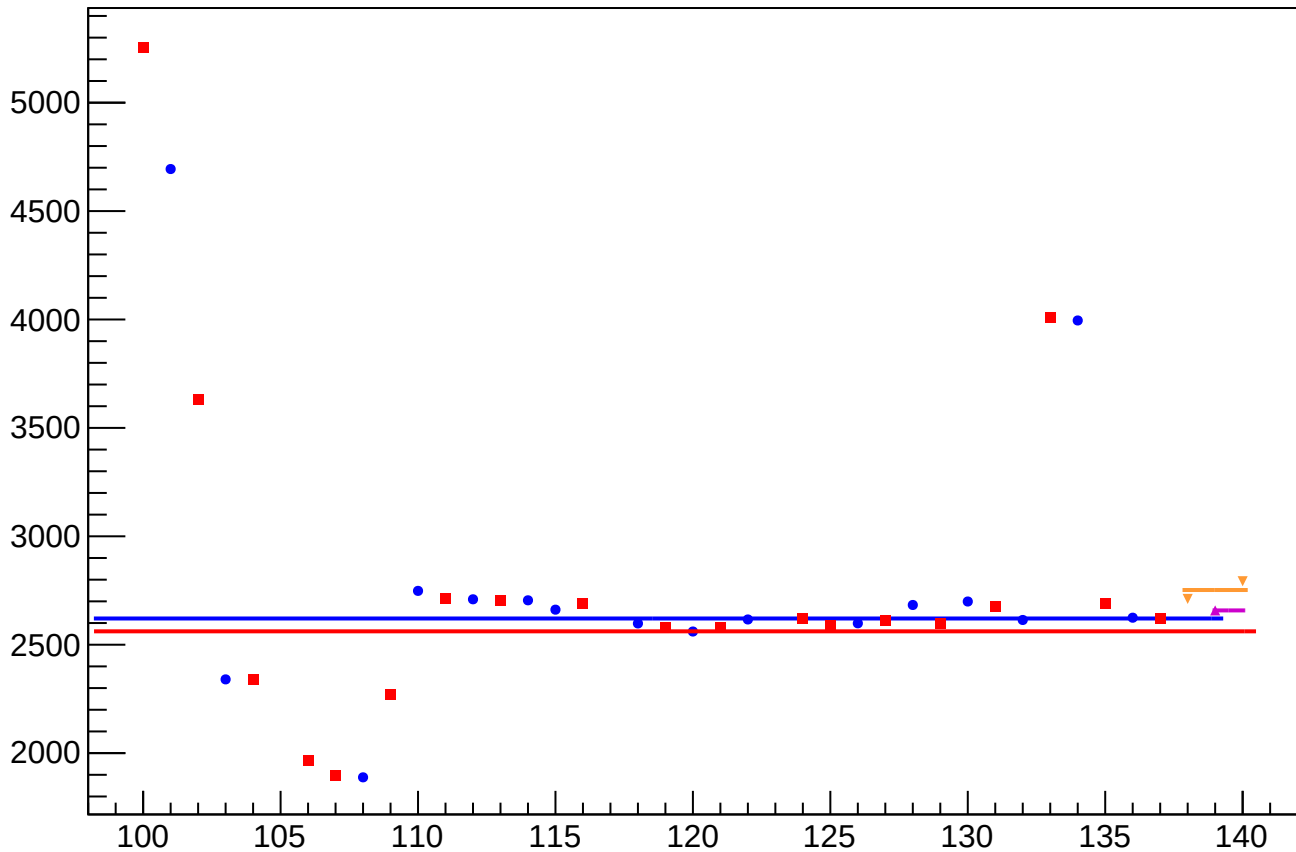
Left In: -4896.527 $\pm$ 2889.618 χ^2 /NDF: 0.0/0

+ sign 3469.291 $\pm$ 900.429 χ^2 /NDF: 15.7/17

All: 380.672 $\pm$ 642.204 χ^2 /NDF: 57.8/37

- sign -2817.111 $\pm$ 916.203 χ^2 /NDF: 18.2/19

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF : 485914.3/15

Left Out: 2752.318+/-1.528 χ^2/NDF : 711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF : 378258.9/18

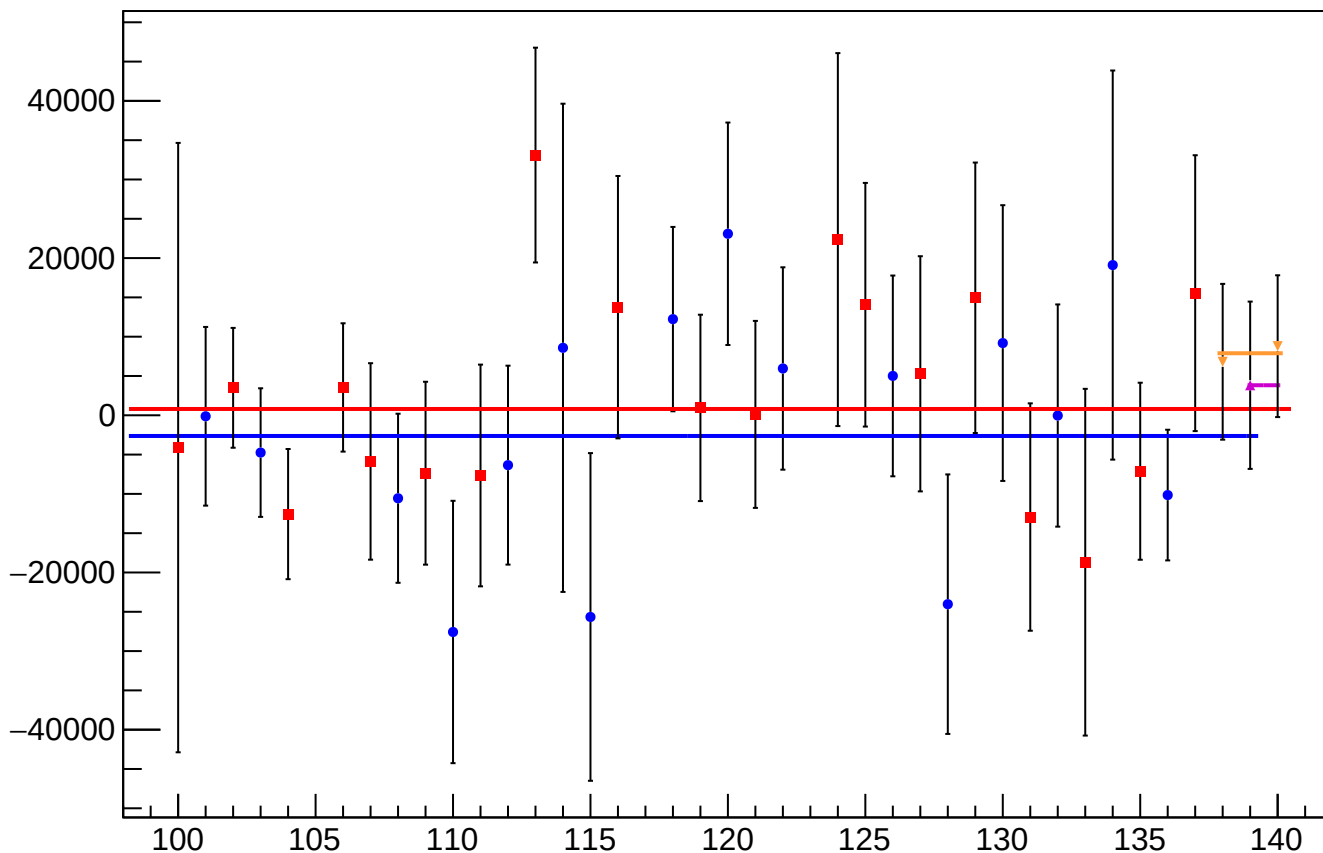
Left In: 2658.202+/-2.043 χ^2/NDF : 0.0/0

+ sign 2643.775+/-0.637 χ^2/NDF : 492734.2/17

All: 2608.201+/-0.454 χ^2/NDF : 879349.6/37

- sign 2571.408+/-0.648 χ^2/NDF : 380264.7/19

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF : 13.8/15

Left Out: 7892.816+/-6670.972 χ^2/NDF : 0.0/1

Right Out: 802.875+/-2872.930 χ^2/NDF : 15.4/18

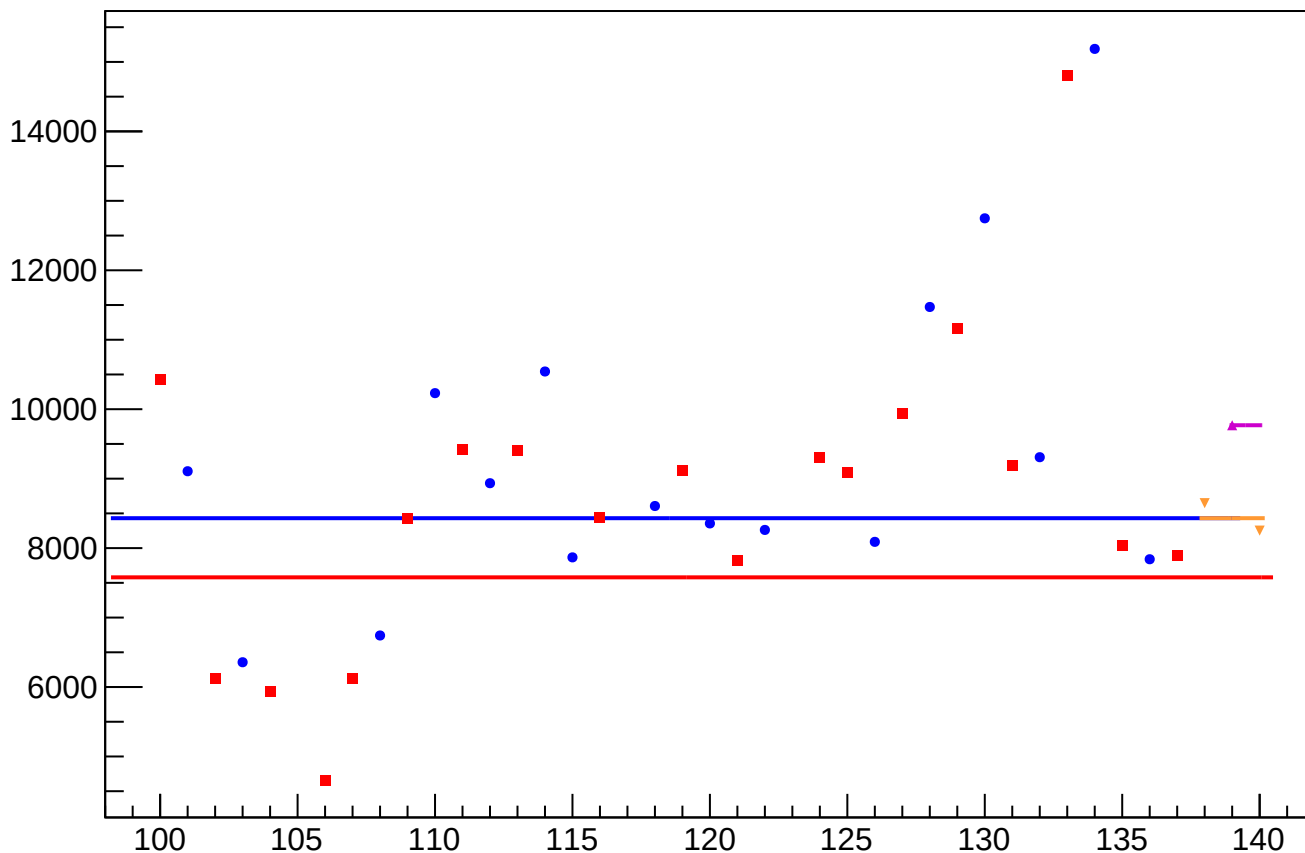
Left In: 3821.910+/-10642.835 χ^2/NDF : 0.0/0

+ sign -651.629+/-2893.644 χ^2/NDF : 15.8/17

All: 213.270+/-2002.345 χ^2/NDF : 31.5/37

- sign 1007.924+/-2773.651 χ^2/NDF : 15.5/19

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF : 580289.4/15

Left Out: 8430.889+/-4.717 χ^2/NDF : 1738.8/1

Right Out: 7579.100+/-2.031 χ^2/NDF : 974123.2/18

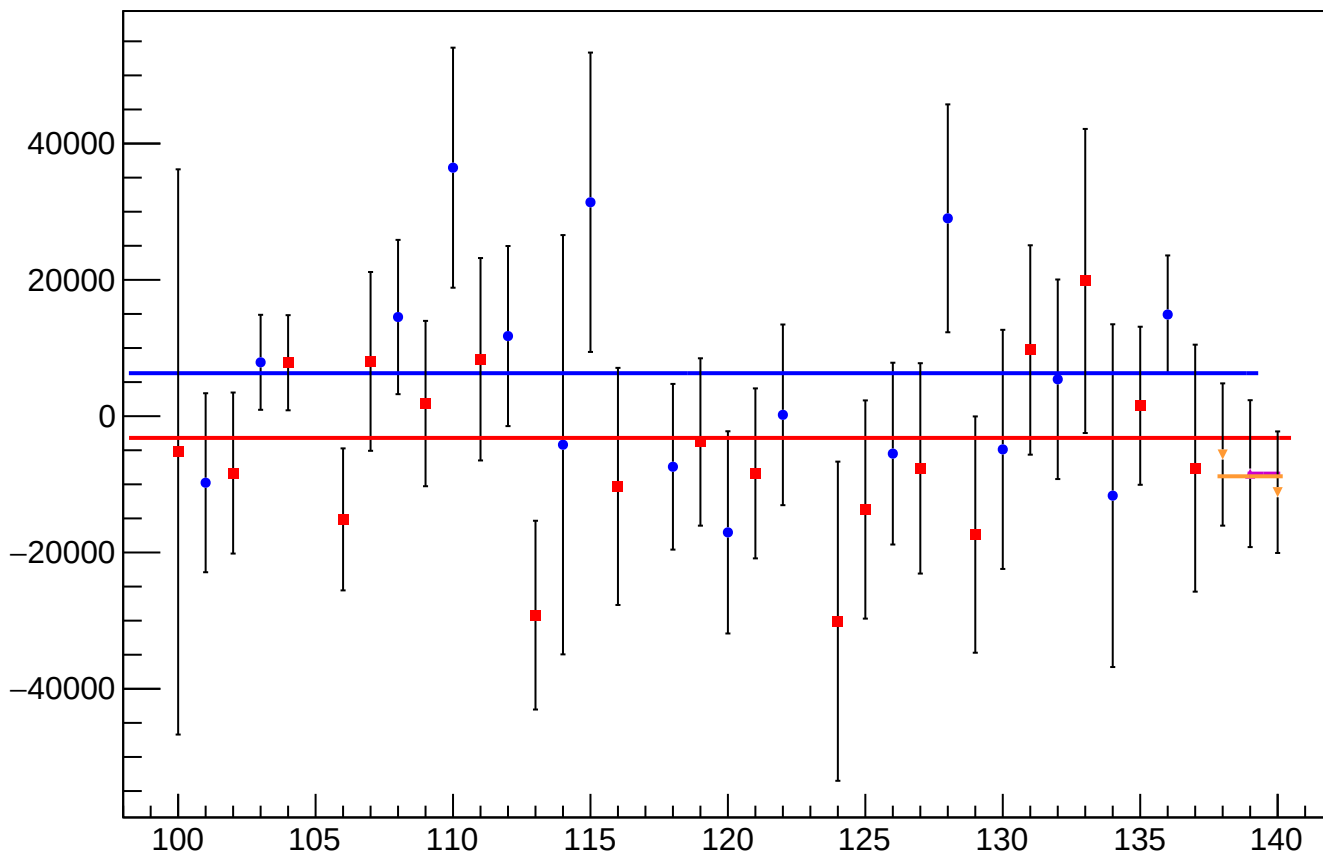
Left In: 9769.168+/-7.526 χ^2/NDF : 0.0/0

+ sign 8430.783+/-2.046 χ^2/NDF : 582028.1/17

All: 8064.438+/-1.416 χ^2/NDF : 1696598.9/37

- sign 7727.847+/-1.961 χ^2/NDF : 1053060.9/19

asym_atr2_mean vs Slug



Right In: 6307.034 $\pm$ 3239.703 χ^2 /NDF: 15.1/15

Left Out: -8819.853 $\pm$ 6780.310 χ^2 /NDF: 0.2/1

Right Out: -3189.356 $\pm$ 3068.645 χ^2 /NDF: 13.9/18

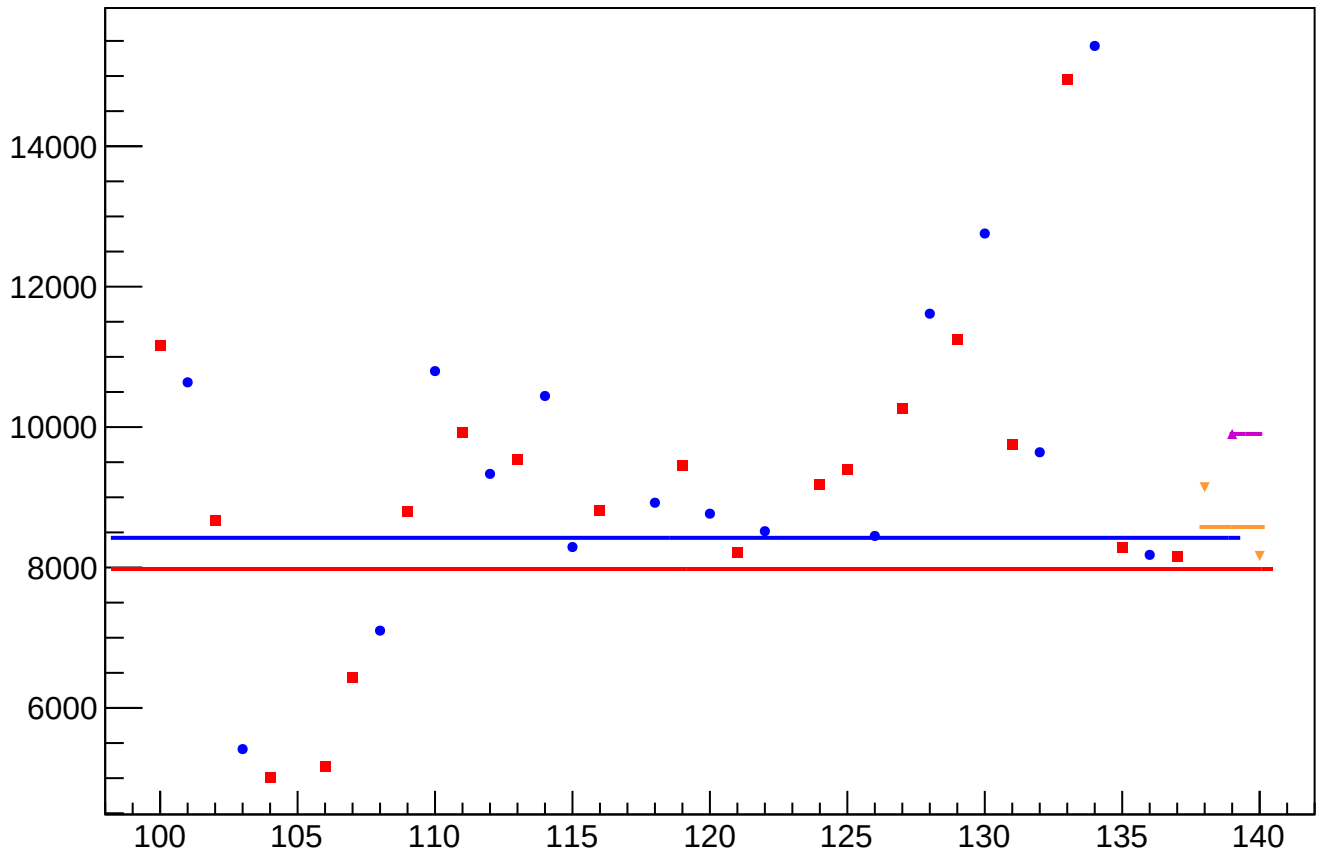
Left In: -8430.452 $\pm$ 10777.008 χ^2 /NDF: 0.0/0

+ sign 3495.422 $\pm$ 2923.159 χ^2 /NDF: 19.3/17

All: -9.553 $\pm$ 2076.875 χ^2 /NDF: 36.3/37

- sign -3582.419 $\pm$ 2951.334 χ^2 /NDF: 14.1/19

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF : 881833.9/15

Left Out: 8577.347+/-4.794 χ^2/NDF : 10157.7/1

Right Out: 7978.997+/-2.170 χ^2/NDF : 1016019.0/18

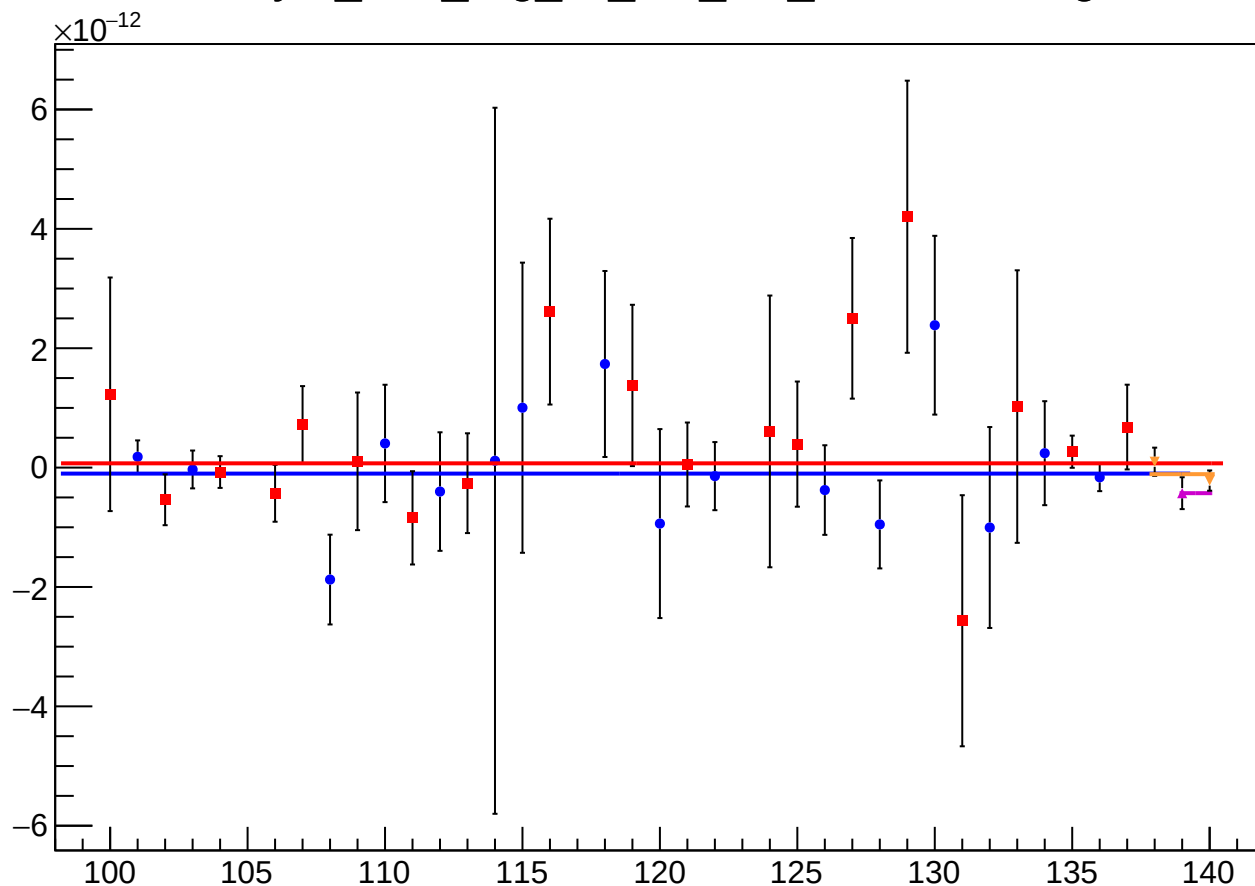
Left In: 9902.165+/-7.620 χ^2/NDF : 0.0/0

+ sign 8451.458+/-2.067 χ^2/NDF : 892838.4/17

All: 8288.912+/-1.469 χ^2/NDF : 1980258.5/37

- sign 8123.223+/-2.087 χ^2/NDF : 1074932.2/19

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 : 1.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.6/18

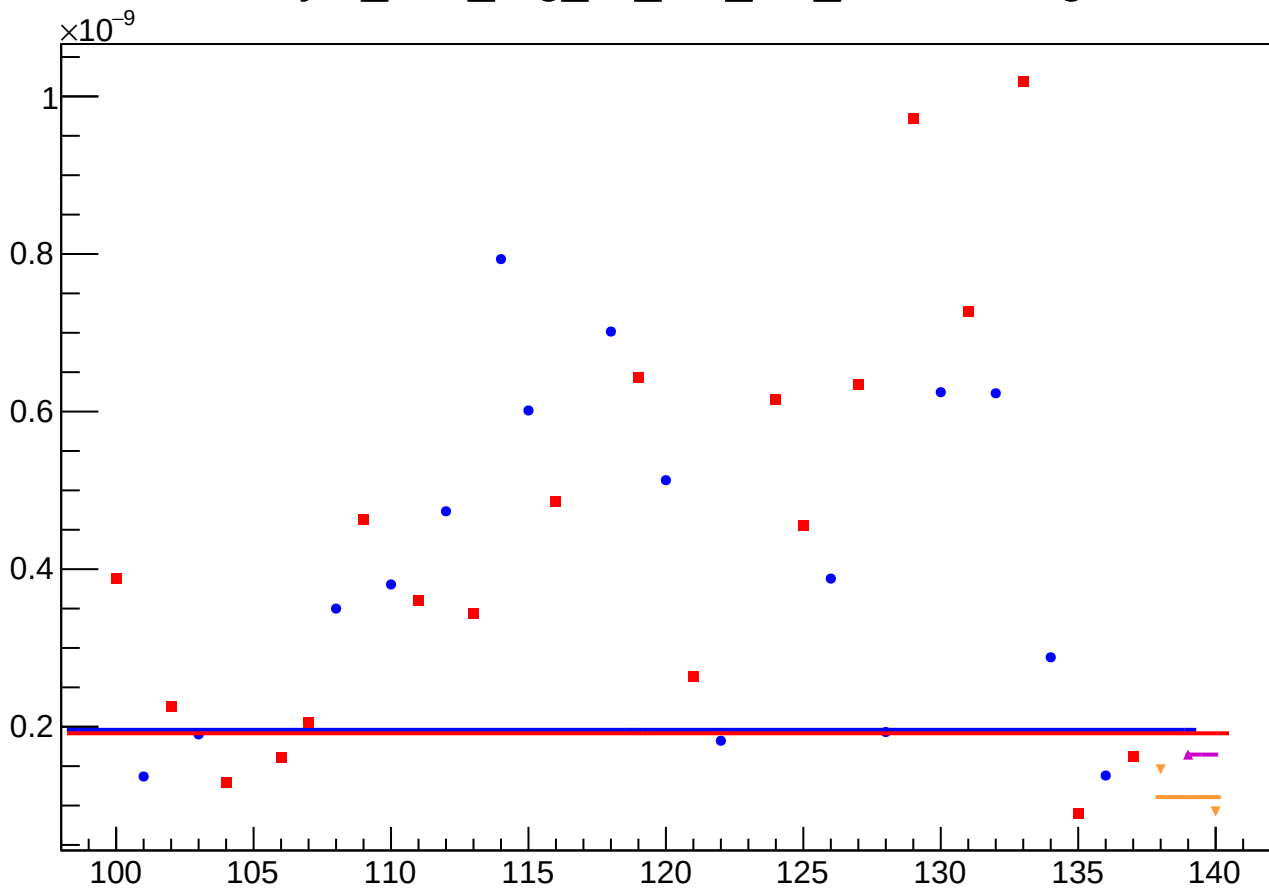
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 14.8/17

All: -0.000 ± 0.000 χ^2/NDF : 37.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 22.4/19

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1342263.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:67795.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2066454.3/18

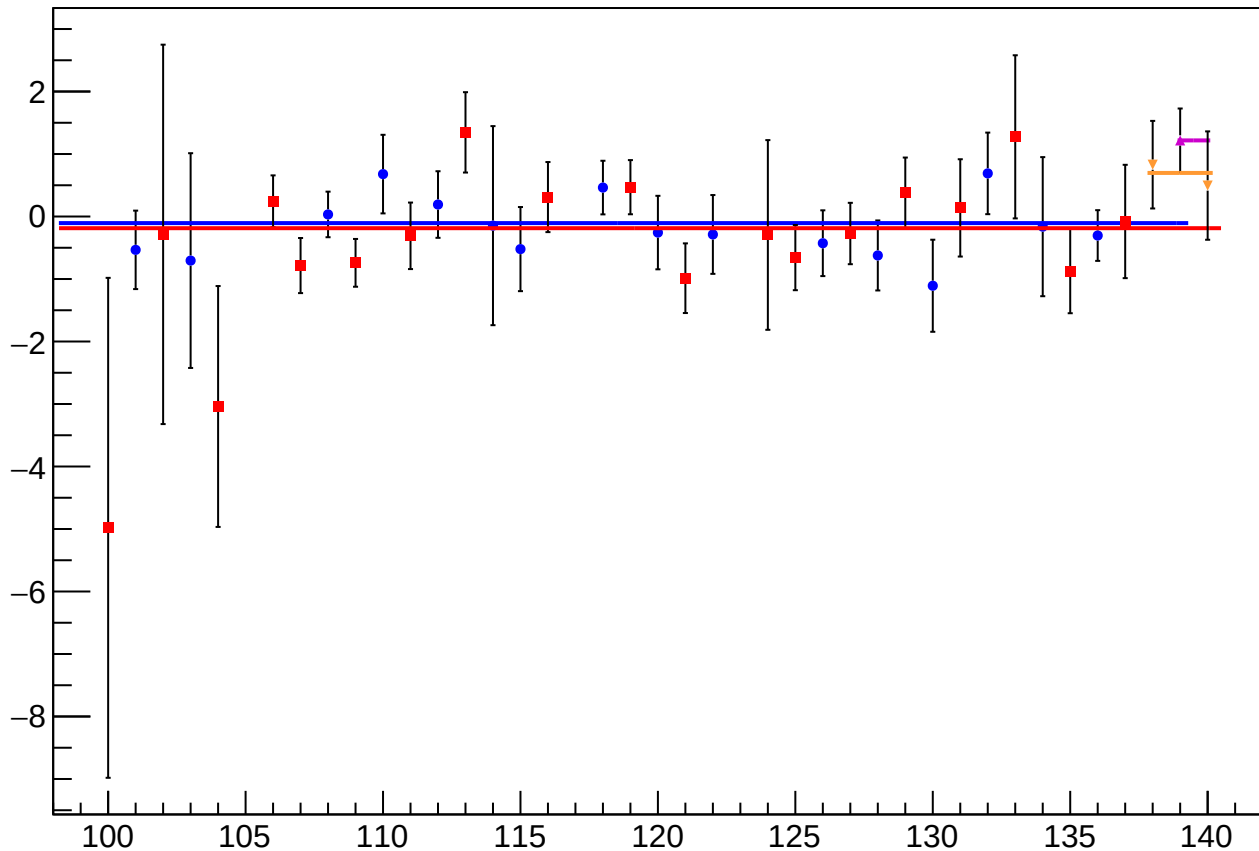
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1803473.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3966384.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2082525.2/19

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.697 ± 0.545 χ^2/NDF : 0.1/1

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

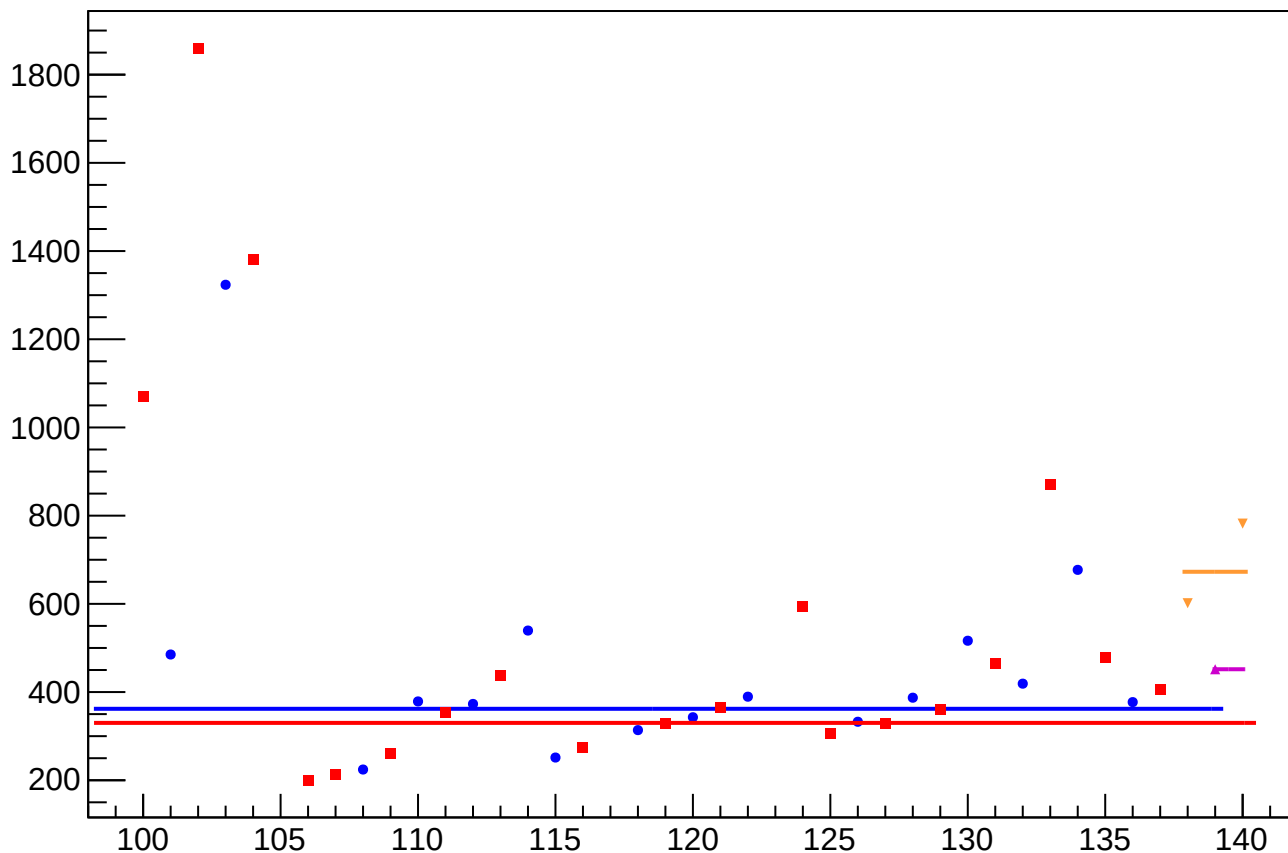
Left In: 1.218 ± 0.510 χ^2/NDF : 0.0/0

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.073 ± 0.096 χ^2/NDF : 42.8/37

- sign -0.092 ± 0.133 χ^2/NDF : 30.9/19

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037 $\pm$ 0.102 χ^2 /NDF: 1377330.2/15

Left Out: 672.750 $\pm$ 0.385 χ^2 /NDF: 52444.1/1

Right Out: 330.084 $\pm$ 0.097 χ^2 /NDF: 2246513.0/18

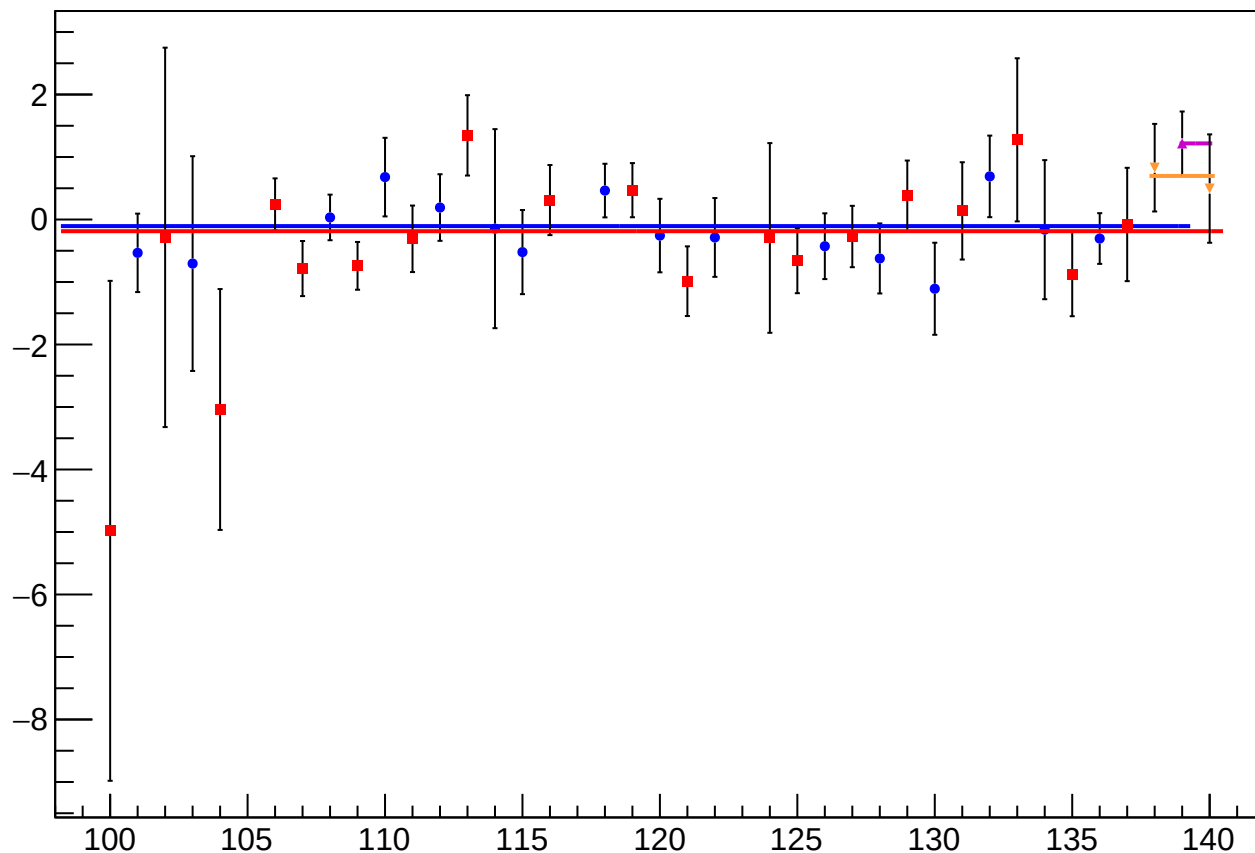
Left In: 451.739 $\pm$ 0.361 χ^2 /NDF: 0.0/0

+ sign 382.494 $\pm$ 0.099 χ^2 /NDF: 2037063.4/17

All: 359.240 $\pm$ 0.068 χ^2 /NDF: 4494593.6/37

- sign 338.303 $\pm$ 0.094 χ^2 /NDF: 2352430.8/19

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.697 ± 0.545 χ^2/NDF : 0.1/1

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

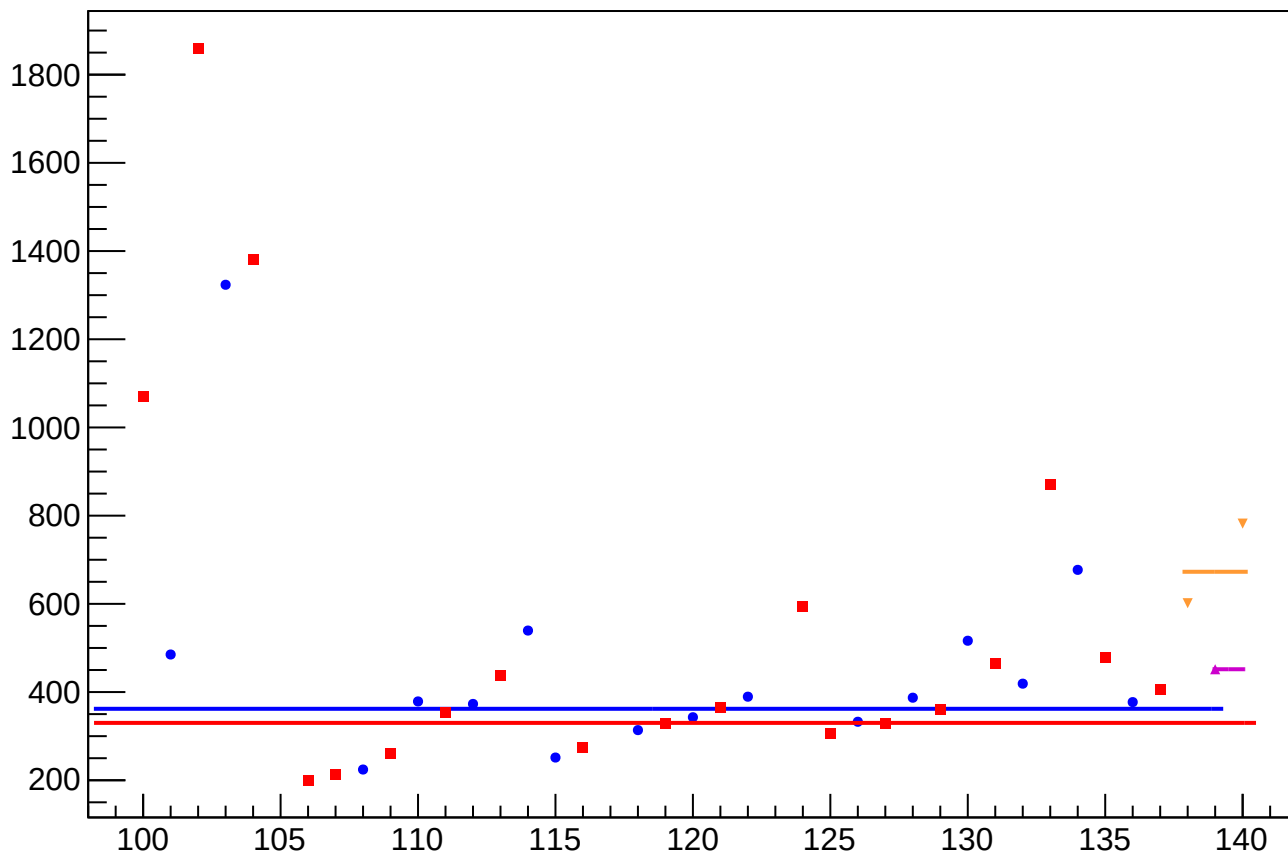
Left In: 1.218 ± 0.510 χ^2/NDF : 0.0/0

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.073 ± 0.096 χ^2/NDF : 42.8/37

- sign -0.092 ± 0.133 χ^2/NDF : 30.9/19

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF : 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF : 52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF : 2246513.0/18

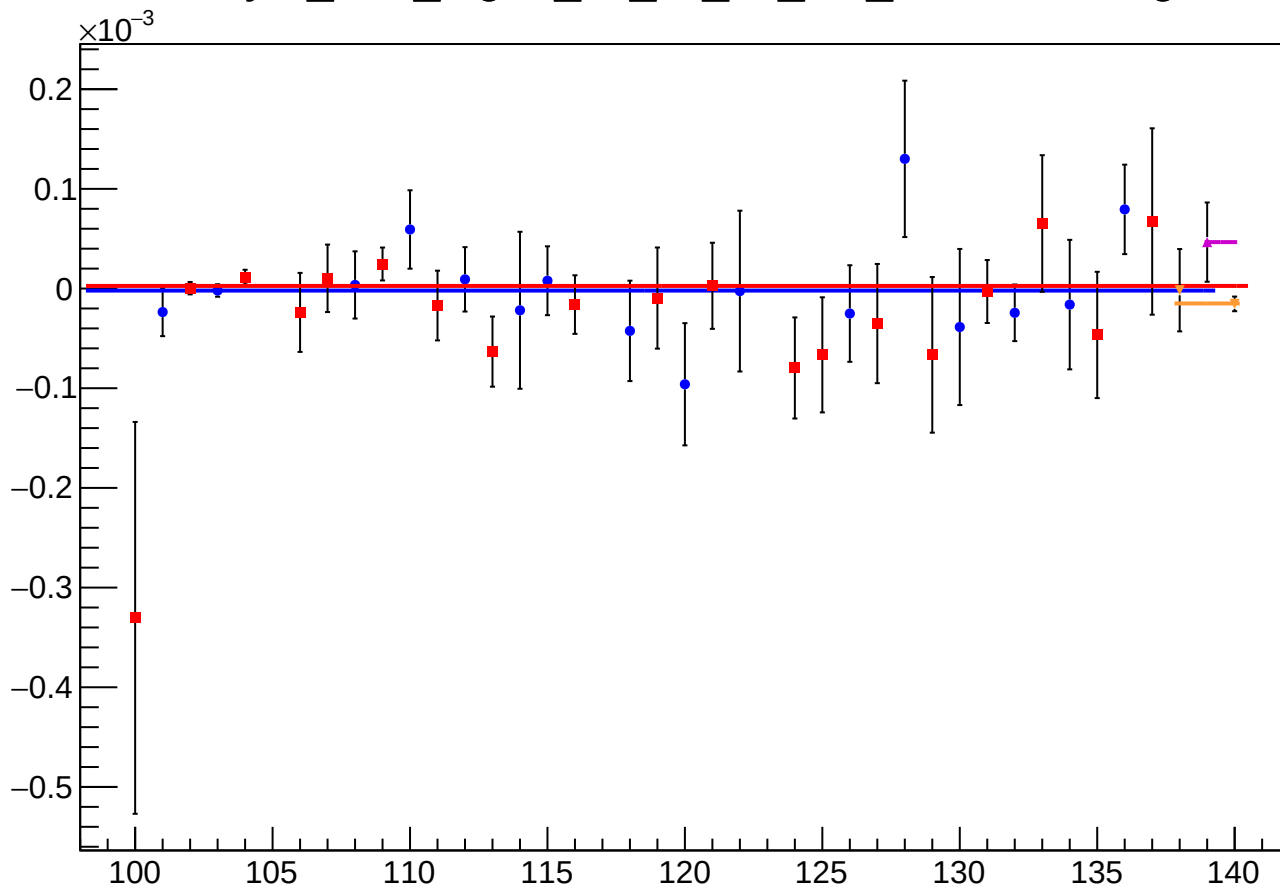
Left In: 451.739+/-0.361 χ^2/NDF : 0.0/0

+ sign 382.494+/-0.099 χ^2/NDF : 2037063.4/17

All: 359.240+/-0.068 χ^2/NDF : 4494593.6/37

- sign 338.303+/-0.094 χ^2/NDF : 2352430.8/19

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 : 0.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.2/18

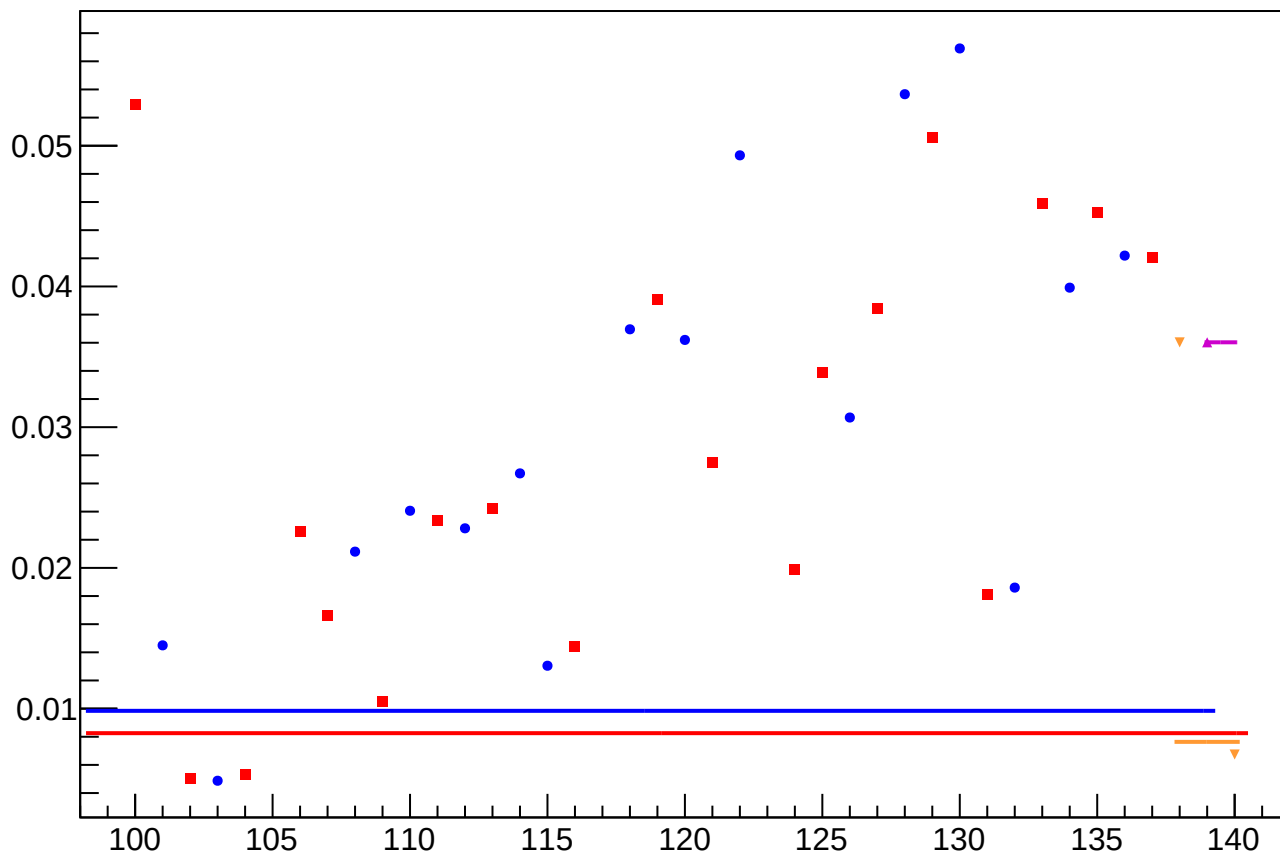
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 15.9/17

All: -0.000 ± 0.000 χ^2/NDF : 38.0/37

- sign 0.000 ± 0.000 χ^2/NDF : 19.4/19

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 7052383.3/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:974024.4/1

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6740964.7/18

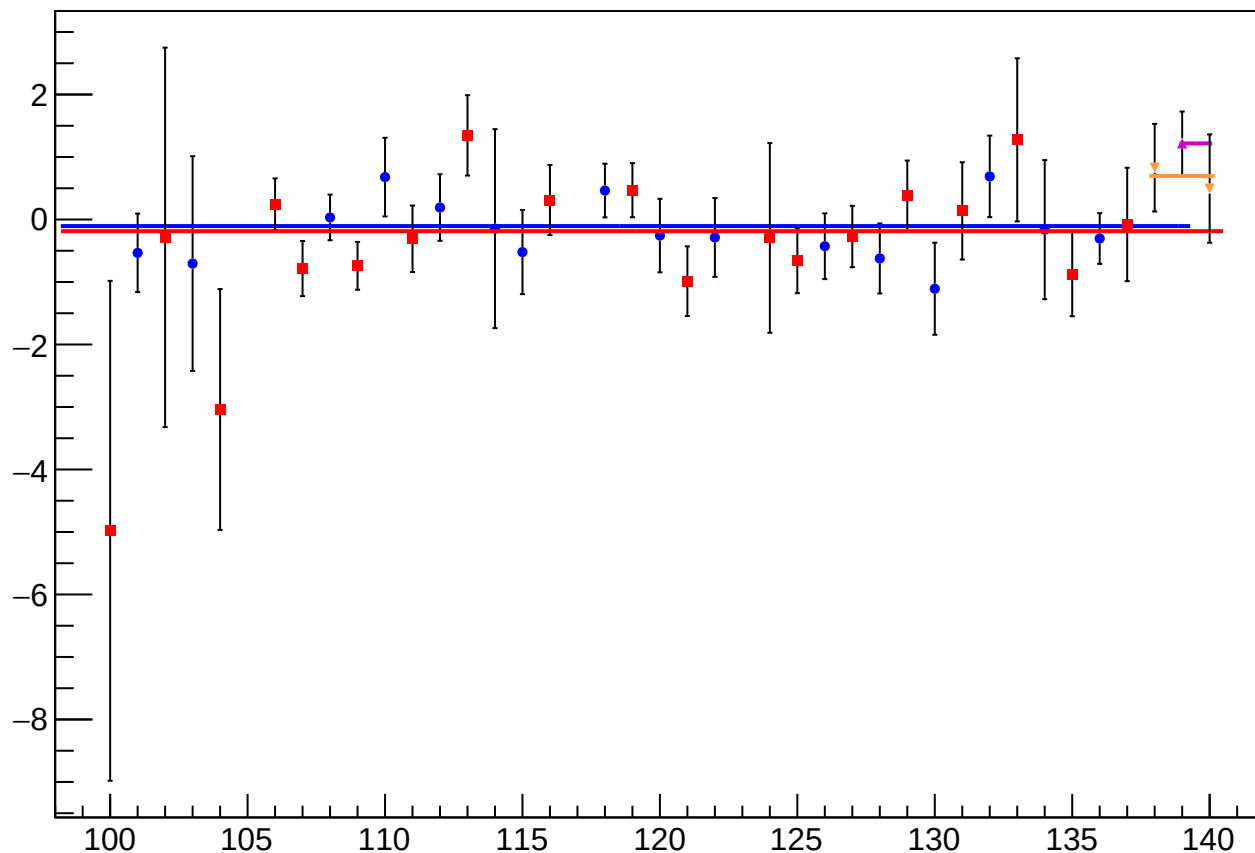
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8145560.3/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 15864214.5/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 7705671.3/19

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.697 ± 0.545 χ^2/NDF : 0.1/1

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

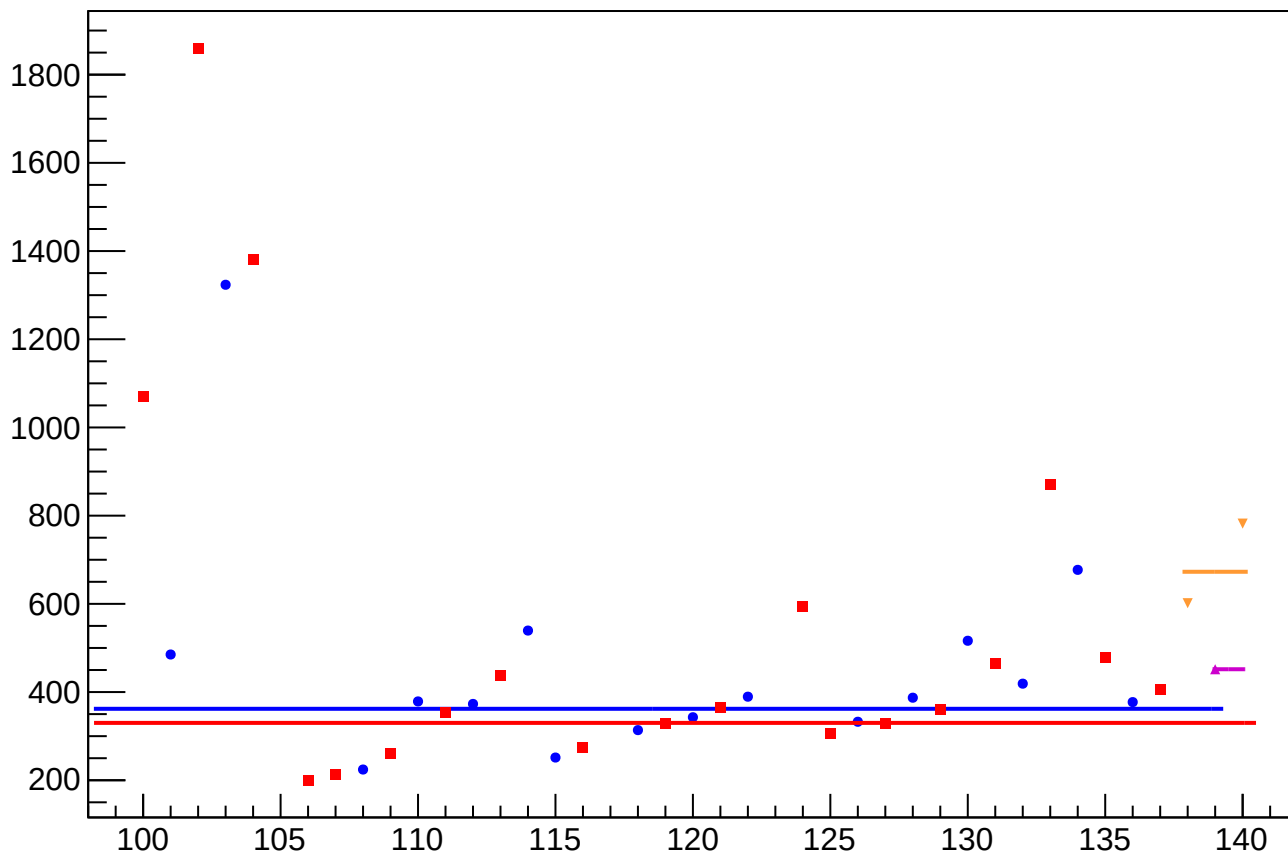
Left In: 1.218 ± 0.510 χ^2/NDF : 0.0/0

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.073 ± 0.096 χ^2/NDF : 42.8/37

- sign -0.092 ± 0.133 χ^2/NDF : 30.9/19

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034 $\pm$ 0.102 χ^2 /NDF: 1377333.3/15

Left Out: 672.757 $\pm$ 0.385 χ^2 /NDF:52436.6/1

Right Out: 330.082 $\pm$ 0.097 χ^2 /NDF: 2246503.8/18

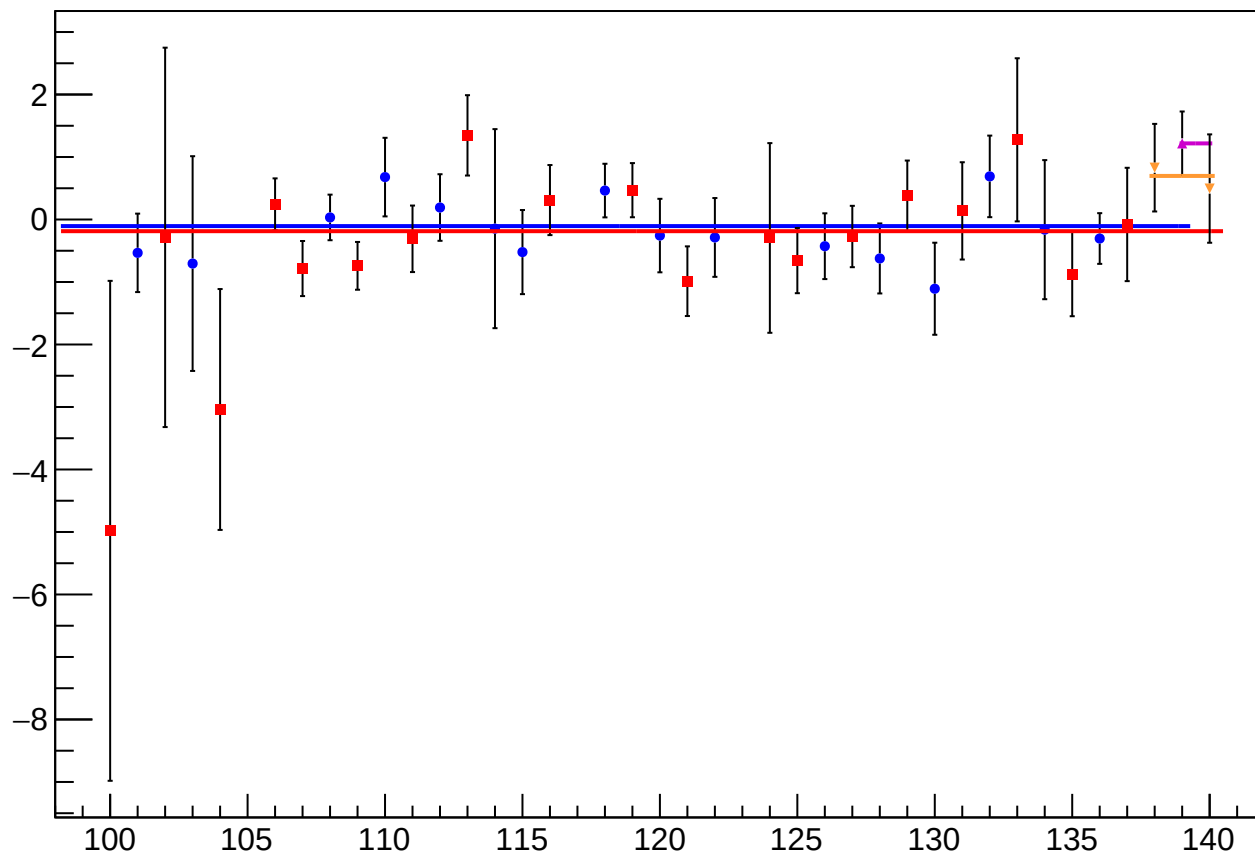
Left In: 451.746 $\pm$ 0.361 χ^2 /NDF:0.0/0

+ sign 382.492 $\pm$ 0.099 χ^2 /NDF: 2037087.7/17

All: 359.238 $\pm$ 0.068 χ^2 /NDF: 4494614.5/37

- sign 338.302 $\pm$ 0.094 χ^2 /NDF: 2352433.8/19

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.697 ± 0.545 χ^2/NDF : 0.1/1

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

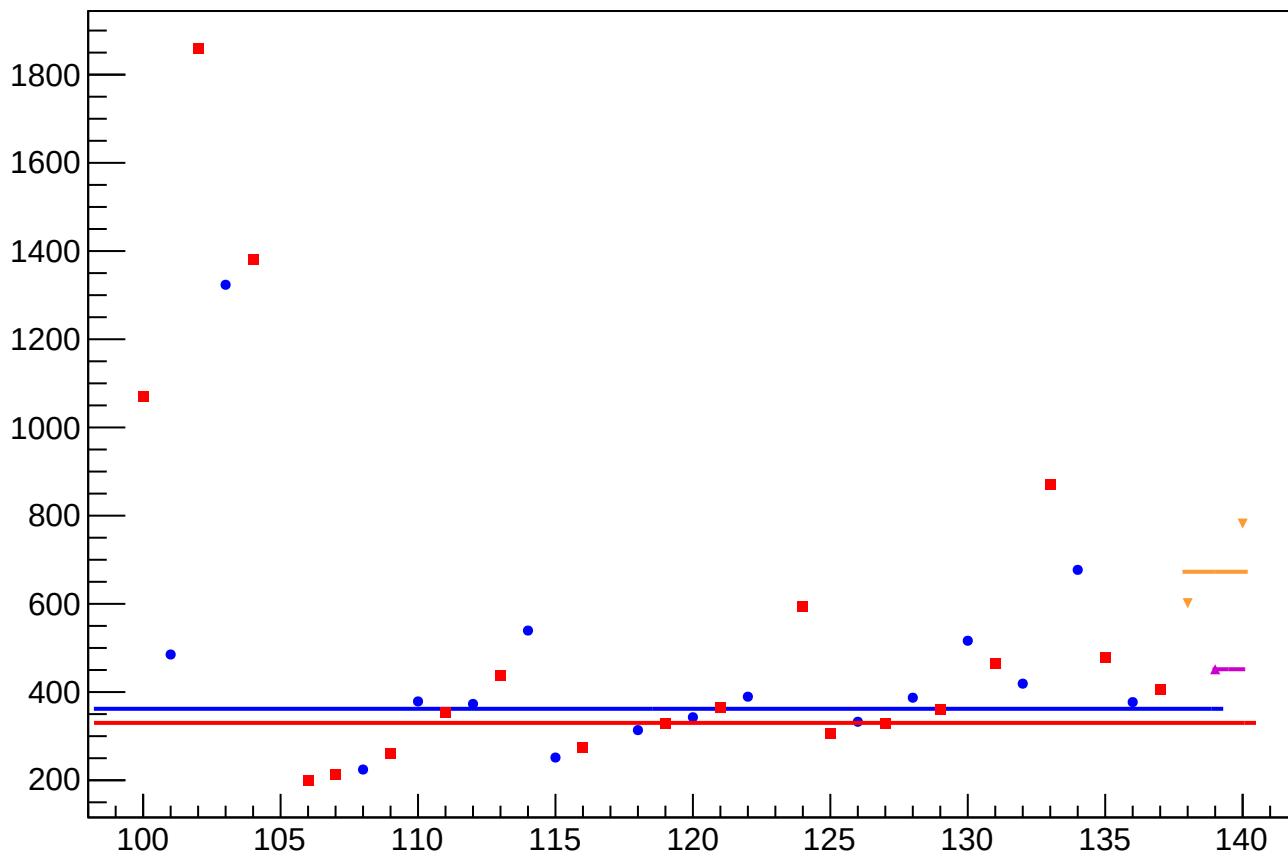
Left In: 1.218 ± 0.510 χ^2/NDF : 0.0/0

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.073 ± 0.096 χ^2/NDF : 42.8/37

- sign -0.092 ± 0.133 χ^2/NDF : 30.9/19

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034 $\pm$ 0.102 χ^2 /NDF: 1377333.3/15

Left Out: 672.757 $\pm$ 0.385 χ^2 /NDF: 52436.6/1

Right Out: 330.082 $\pm$ 0.097 χ^2 /NDF: 2246503.8/18

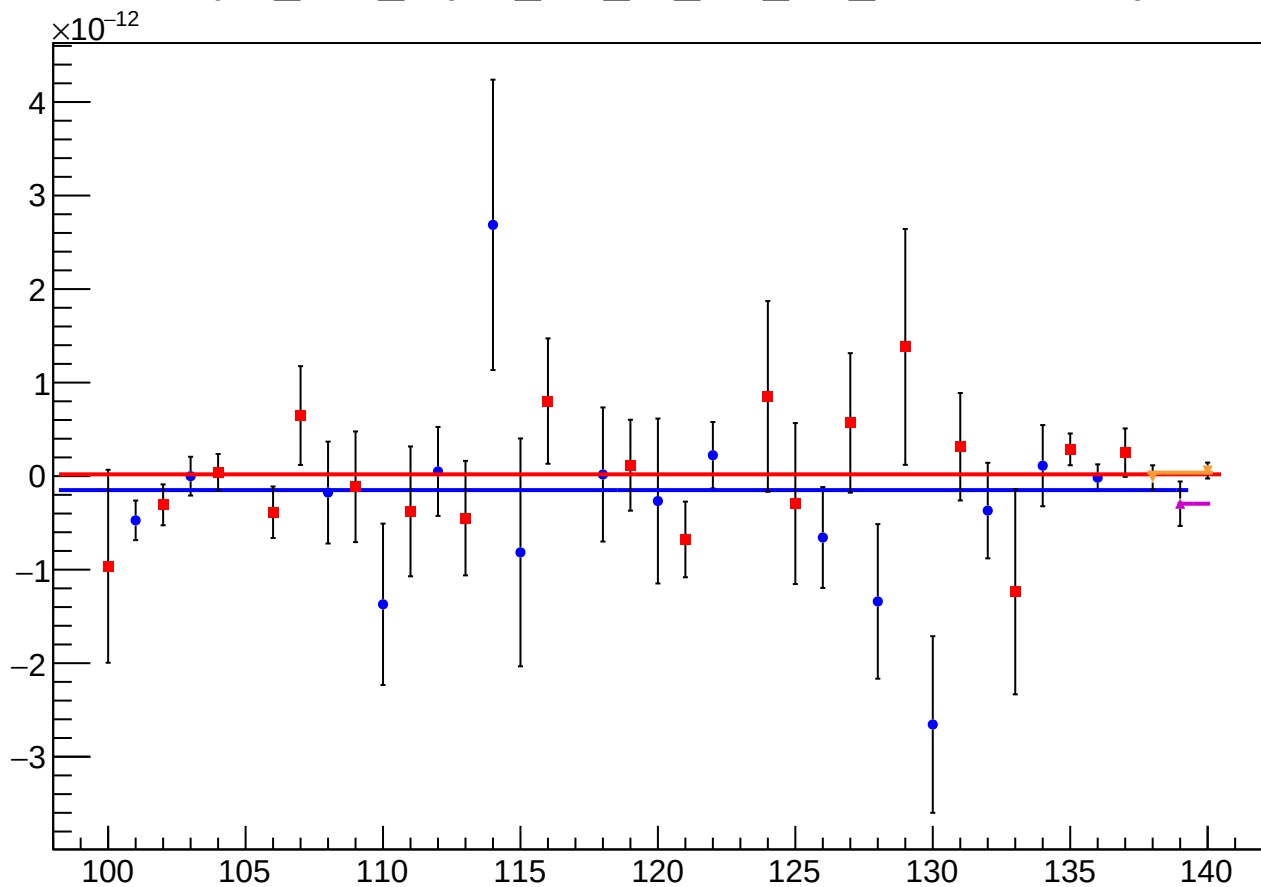
Left In: 451.746 $\pm$ 0.361 χ^2 /NDF: 0.0/0

+ sign 382.492 $\pm$ 0.099 χ^2 /NDF: 2037087.7/17

All: 359.238 $\pm$ 0.068 χ^2 /NDF: 4494614.5/37

- sign 338.302 $\pm$ 0.094 χ^2 /NDF: 2352433.8/19

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 : 0.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.4/18

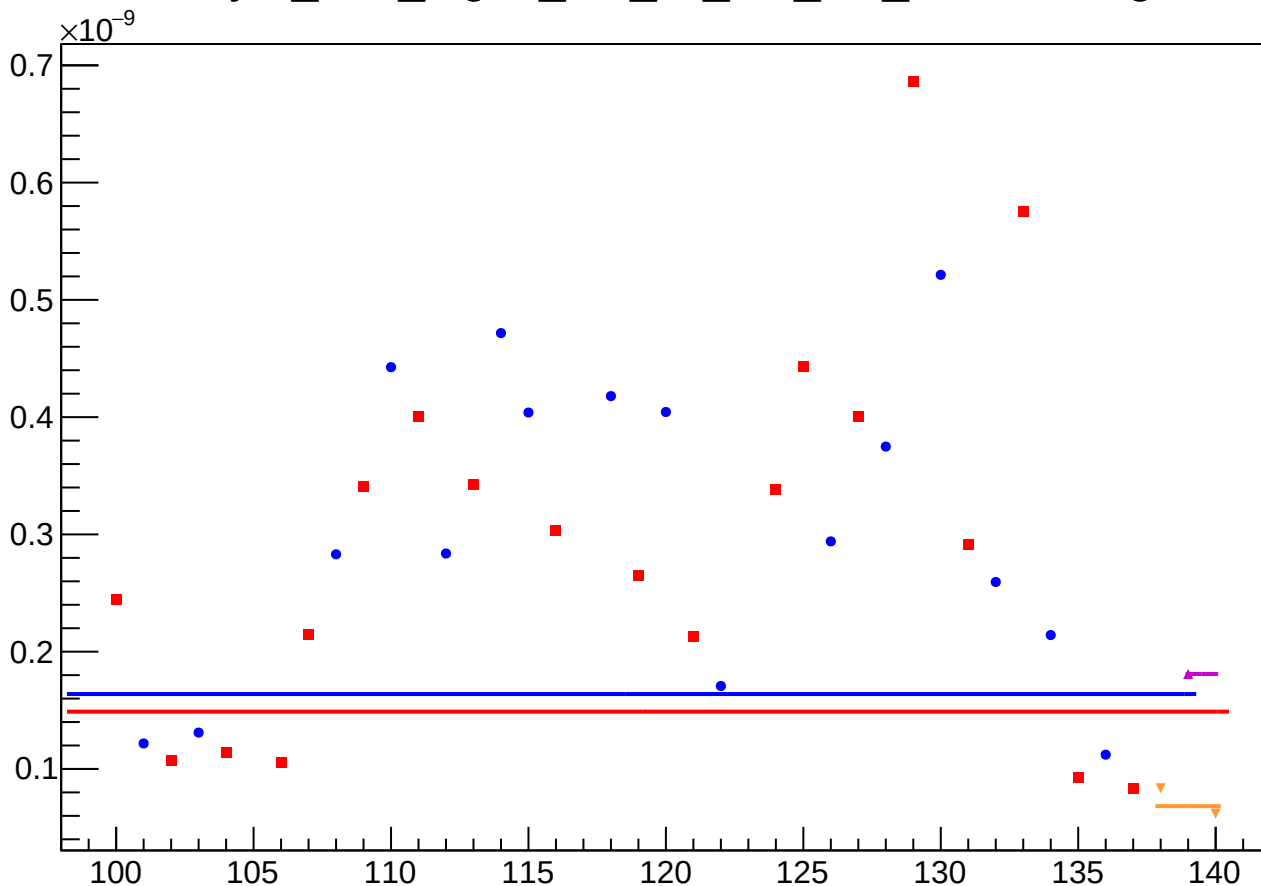
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 24.2/17

All: -0.000 ± 0.000 χ^2/NDF : 45.3/37

- sign -0.000 ± 0.000 χ^2/NDF : 21.0/19

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2011207.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 38774.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2846265.5/18

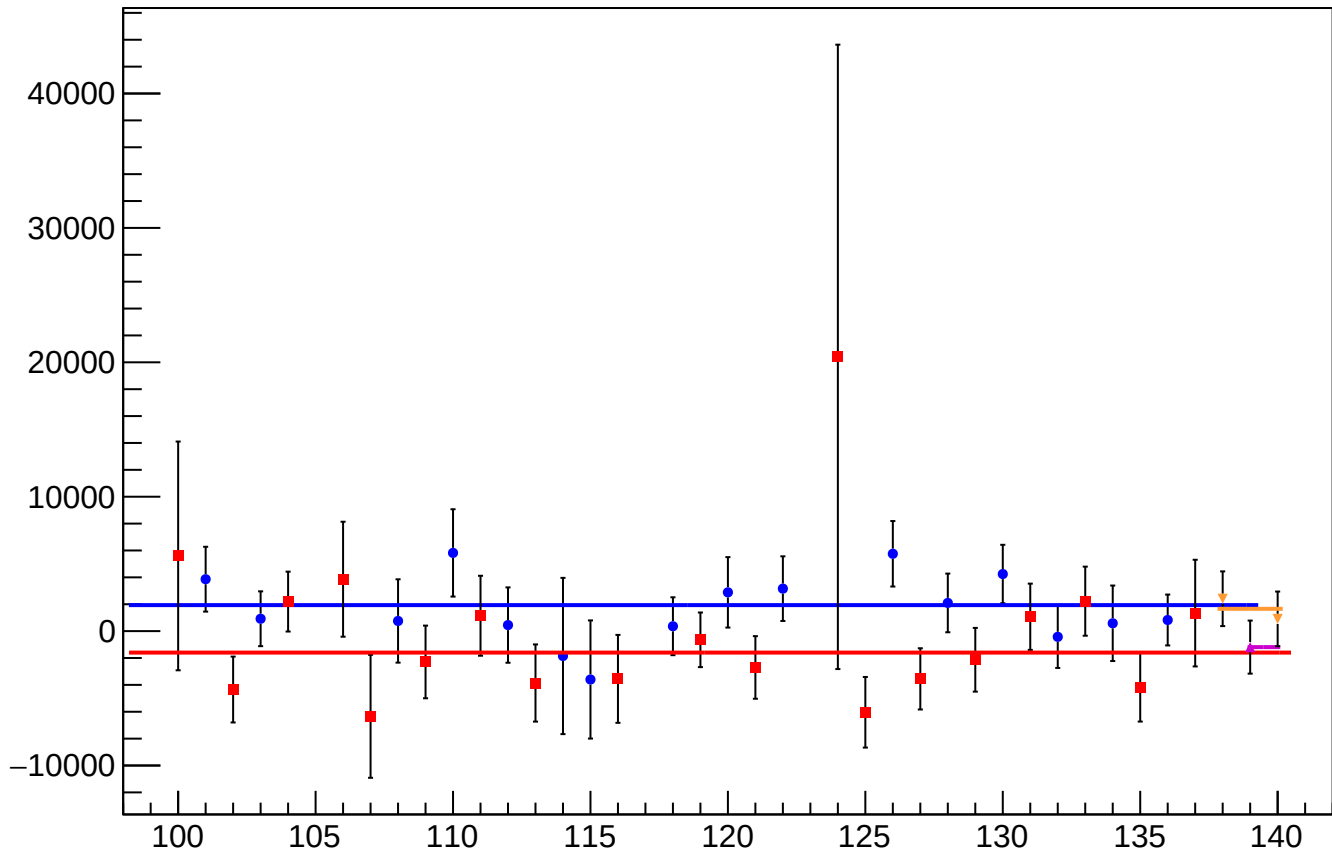
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3488578.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6821123.3/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2878794.9/19

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755 $\pm$ 627.874 χ^2 /NDF: 10.9/15

Left Out: 1658.757 $\pm$ 1439.052 χ^2 /NDF: 0.3/1

Right Out: -1597.959 $\pm$ 642.207 χ^2 /NDF: 19.4/18

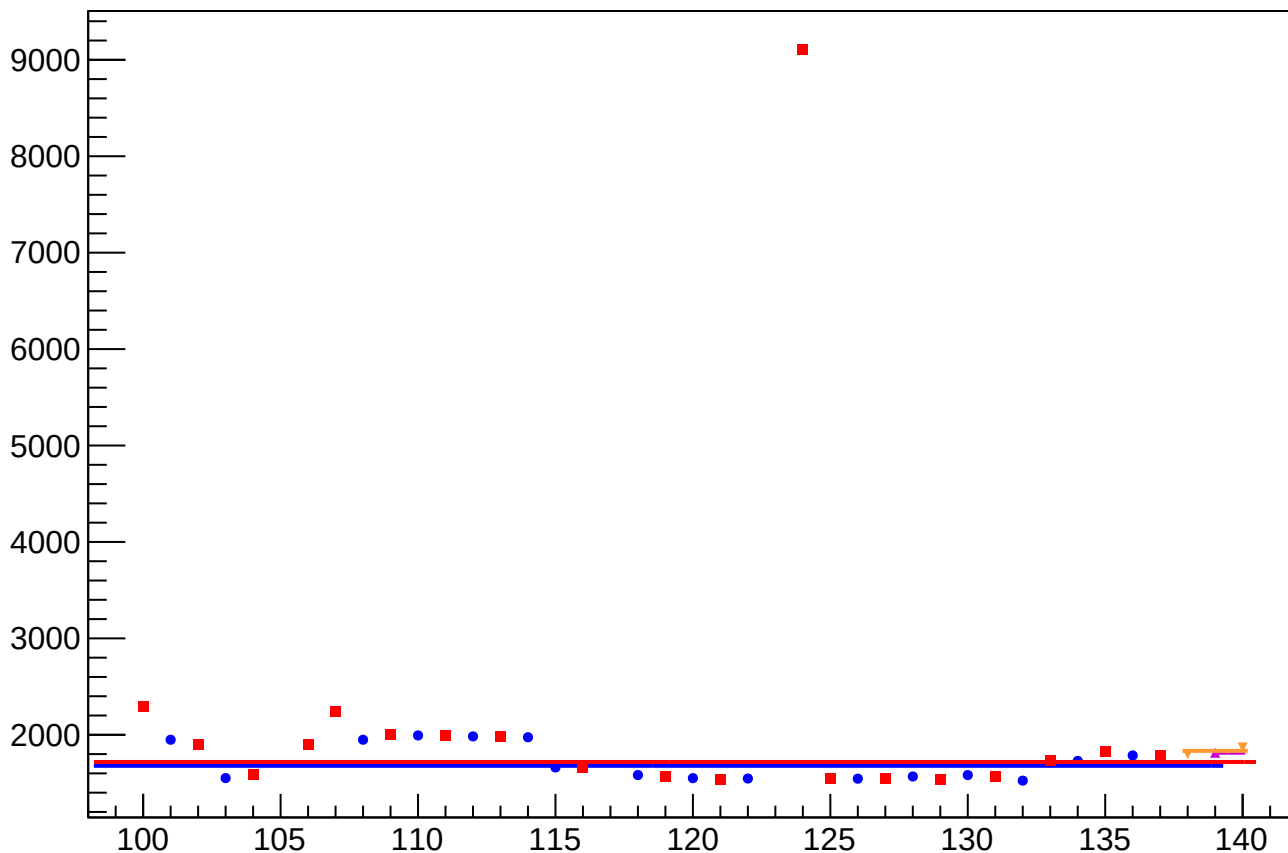
Left In: -1190.518 $\pm$ 1973.718 χ^2 /NDF: 0.0/0

+ sign 1890.617 $\pm$ 575.483 χ^2 /NDF: 11.2/17

All: 268.137 $\pm$ 418.822 χ^2 /NDF: 47.5/37

- sign -1558.953 $\pm$ 610.692 χ^2 /NDF: 19.4/19

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.6/15

Left Out: 1833.352+/-1.018 χ^2/NDF : 1198.1/1

Right Out: 1718.312+/-0.452 χ^2/NDF : 383179.3/18

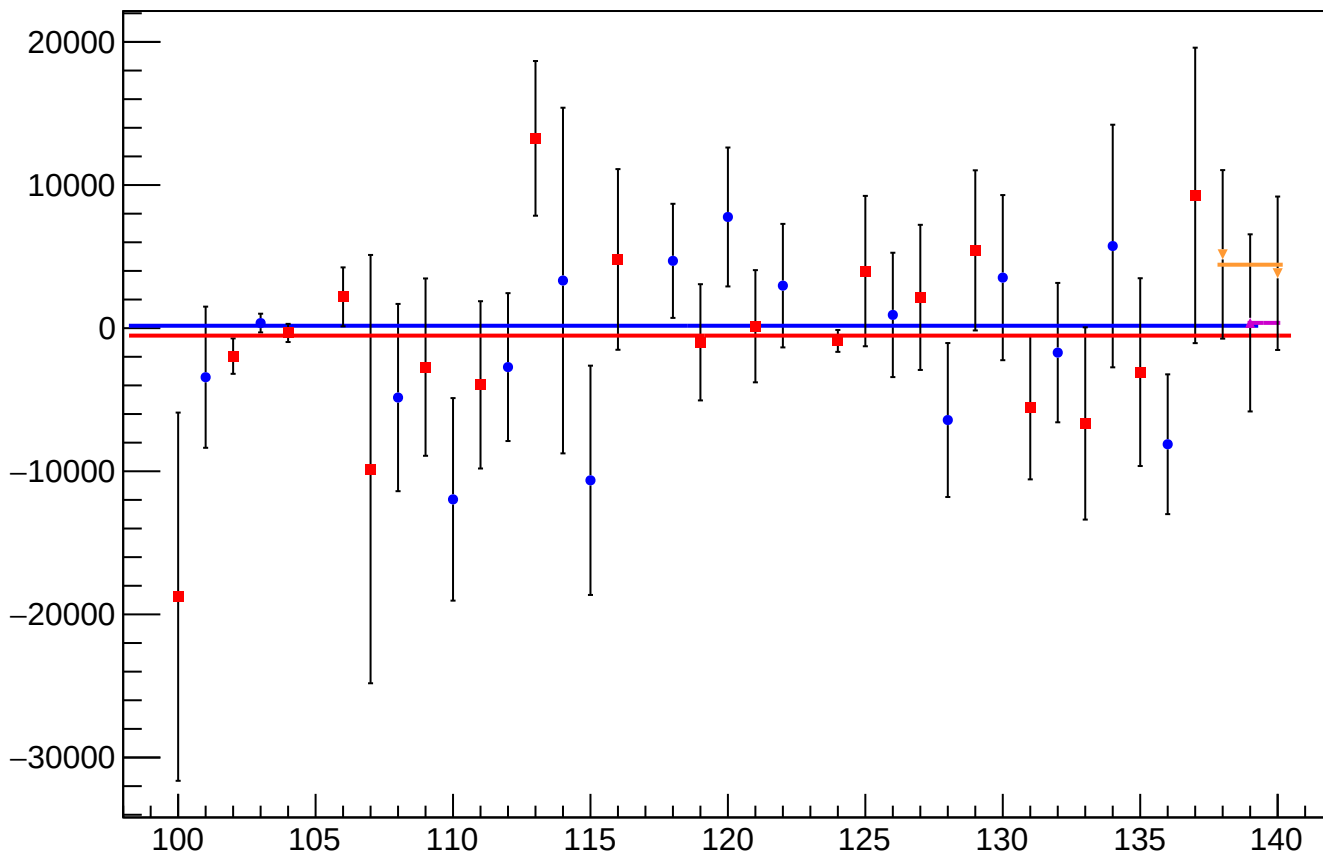
Left In: 1814.089+/-1.396 χ^2/NDF : 0.0/0

+ sign 1703.300+/-0.407 χ^2/NDF : 162124.9/17

All: 1714.688+/-0.296 χ^2/NDF : 551224.4/37

- sign 1727.403+/-0.430 χ^2/NDF : 387441.9/19

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283 $\pm$ 591.607 χ^2 /NDF: 15.8/15

Left Out: 4434.279 $\pm$ 3963.633 χ^2 /NDF: 0.0/1

Right Out: -521.080 $\pm$ 424.783 χ^2 /NDF: 18.5/18

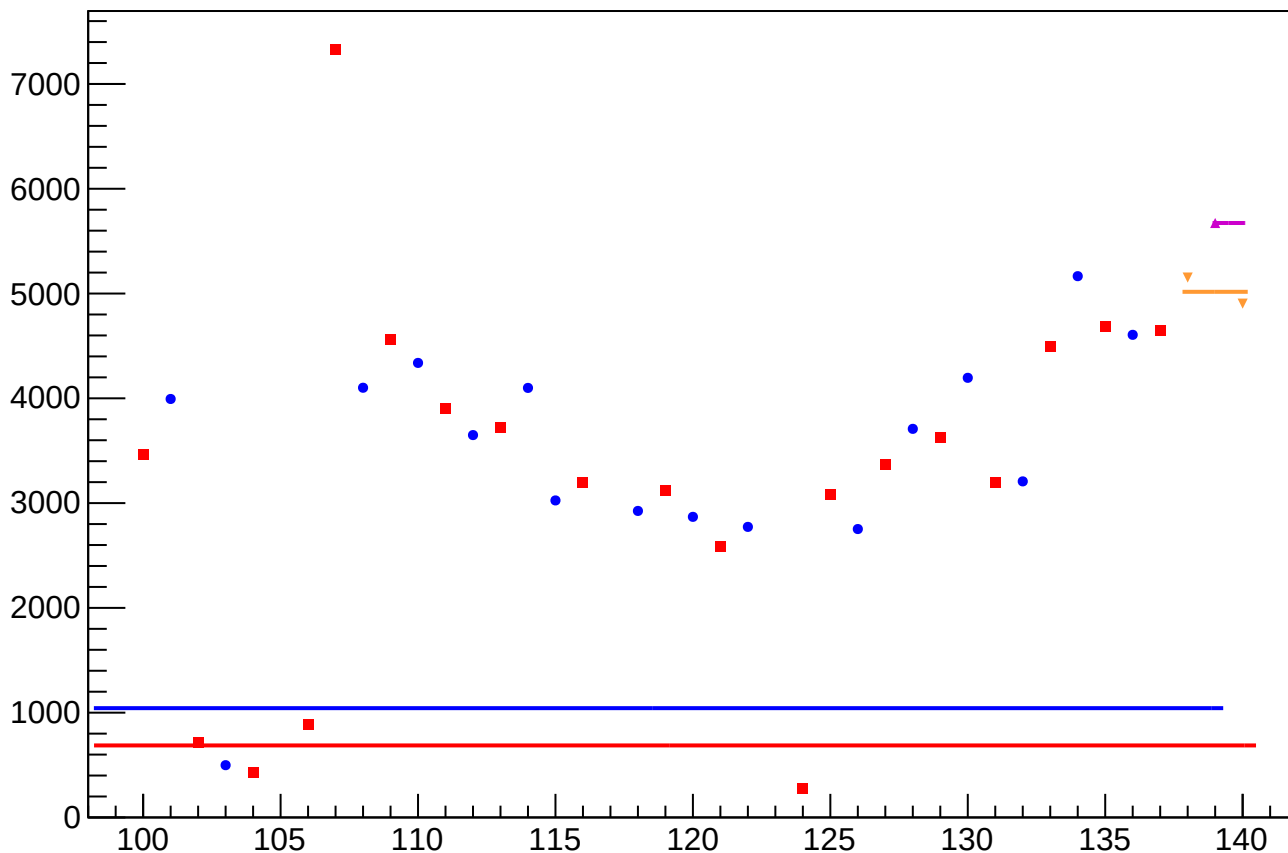
Left In: 368.459 $\pm$ 6188.812 χ^2 /NDF: 0.0/0

+ sign 261.250 $\pm$ 585.125 χ^2 /NDF: 17.0/17

All: -249.166 $\pm$ 343.221 χ^2 /NDF: 36.7/37

- sign -516.909 $\pm$ 423.786 χ^2 /NDF: 18.6/19

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF : 8111897.6/15

Left Out: 5016.467+/-2.803 χ^2/NDF :1954.1/1

Right Out: 687.329+/-0.300 χ^2/NDF : 8631529.6/18

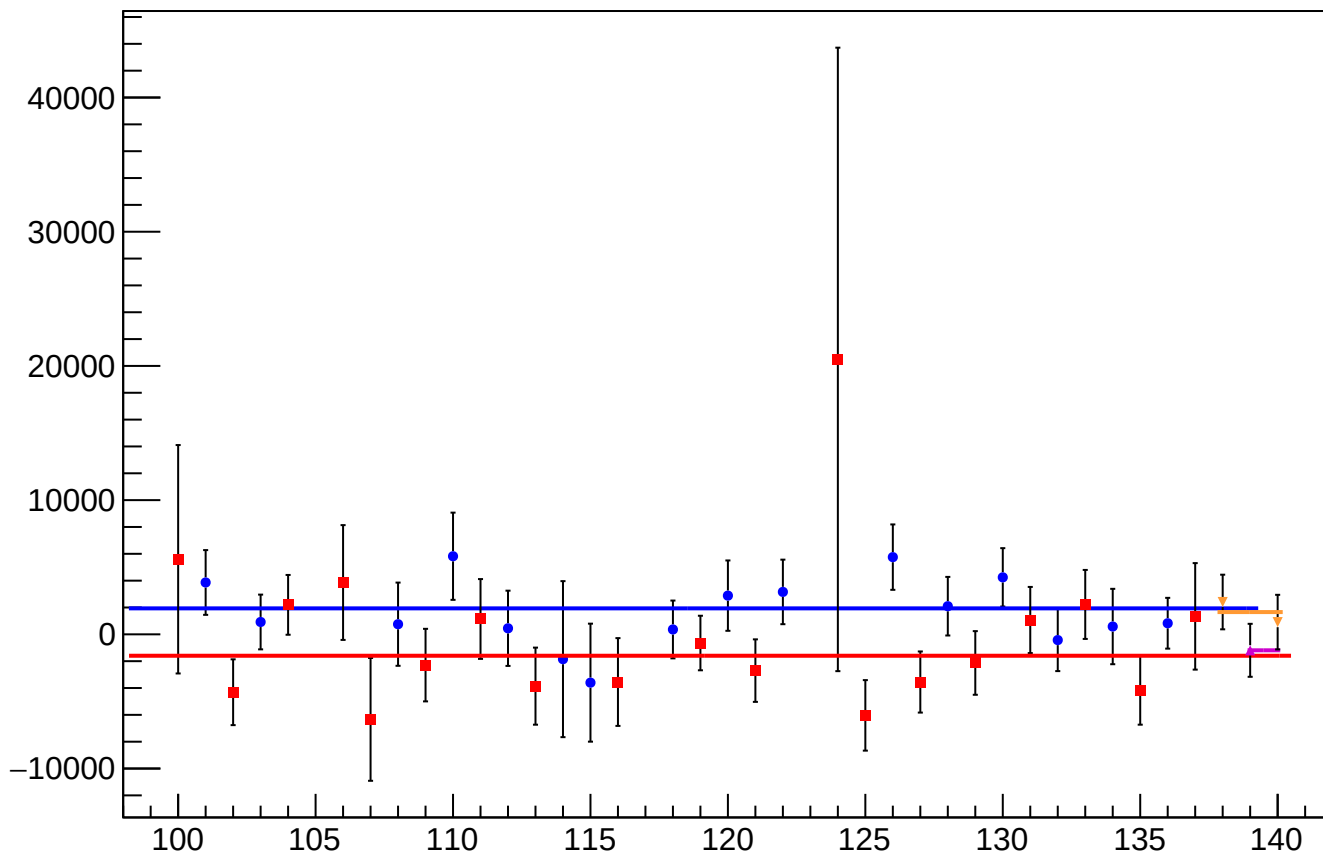
Left In: 5673.267+/-4.376 χ^2/NDF :0.0/0

+ sign 1129.707+/-0.414 χ^2/NDF : 10079870.8/17

All: 854.874+/-0.243 χ^2/NDF : 20676104.2/37

- sign 710.708+/-0.300 χ^2/NDF : 9923545.8/19

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871 $\pm$ 627.874 χ^2 /NDF: 10.9/15

Left Out: 1658.894 $\pm$ 1439.052 χ^2 /NDF: 0.3/1

Right Out: -1595.521 $\pm$ 642.212 χ^2 /NDF: 19.4/18

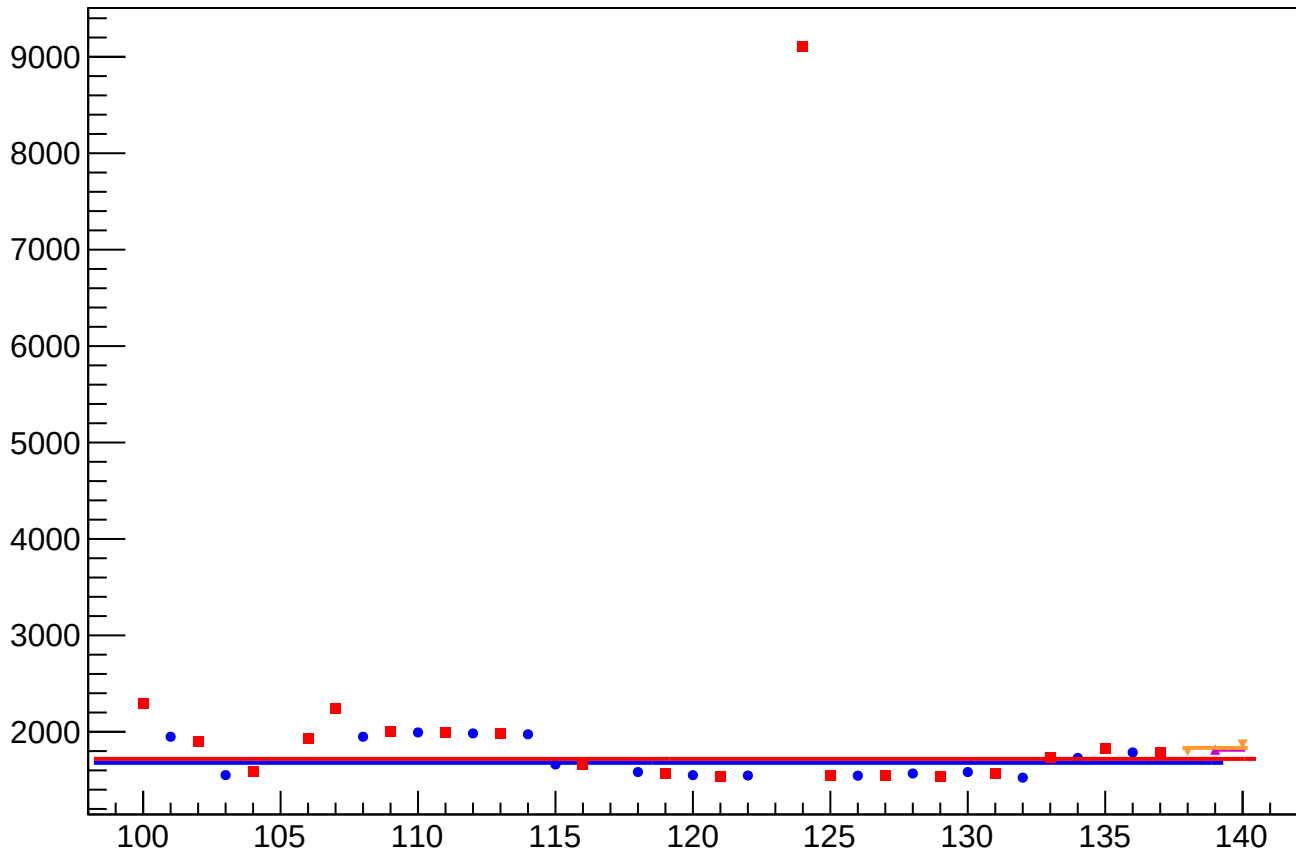
Left In: -1190.572 $\pm$ 1973.718 χ^2 /NDF: 0.0/0

+ sign 1890.736 $\pm$ 575.483 χ^2 /NDF: 11.2/17

All: 269.247 $\pm$ 418.824 χ^2 /NDF: 47.5/37

- sign -1556.752 $\pm$ 610.697 χ^2 /NDF: 19.4/19

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF : 1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

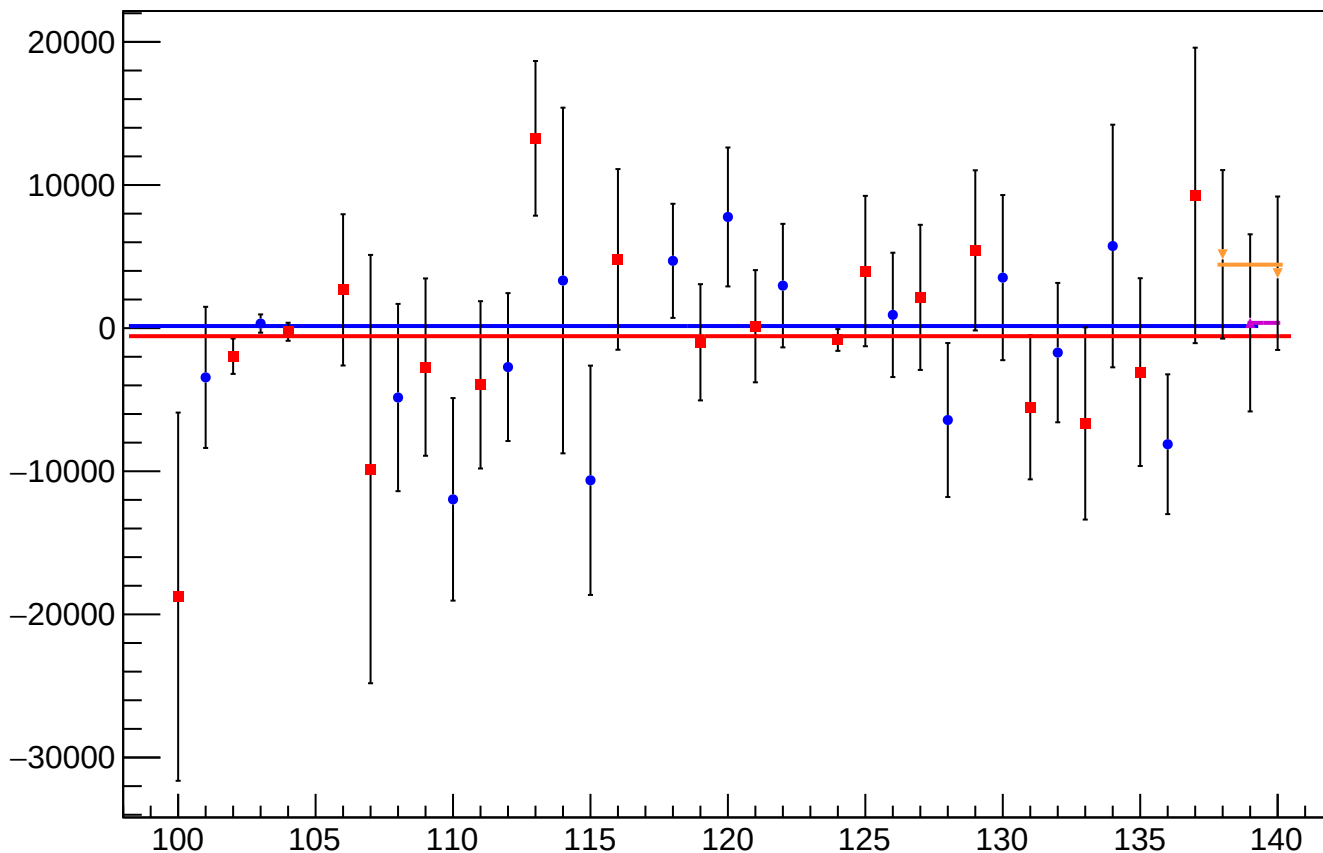
Left In: 1814.089+/-1.396 χ^2/NDF : 0.0/0

+ sign 1703.300+/-0.407 χ^2/NDF : 162125.0/17

All: 1715.043+/-0.296 χ^2/NDF : 552999.0/37

- sign 1728.166+/-0.430 χ^2/NDF : 389110.6/19

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2 /NDF: 15.8/15

Left Out: 4434.595 $\pm$ 3963.633 χ^2 /NDF: 0.0/1

Right Out: -561.454 $\pm$ 430.621 χ^2 /NDF: 17.2/18

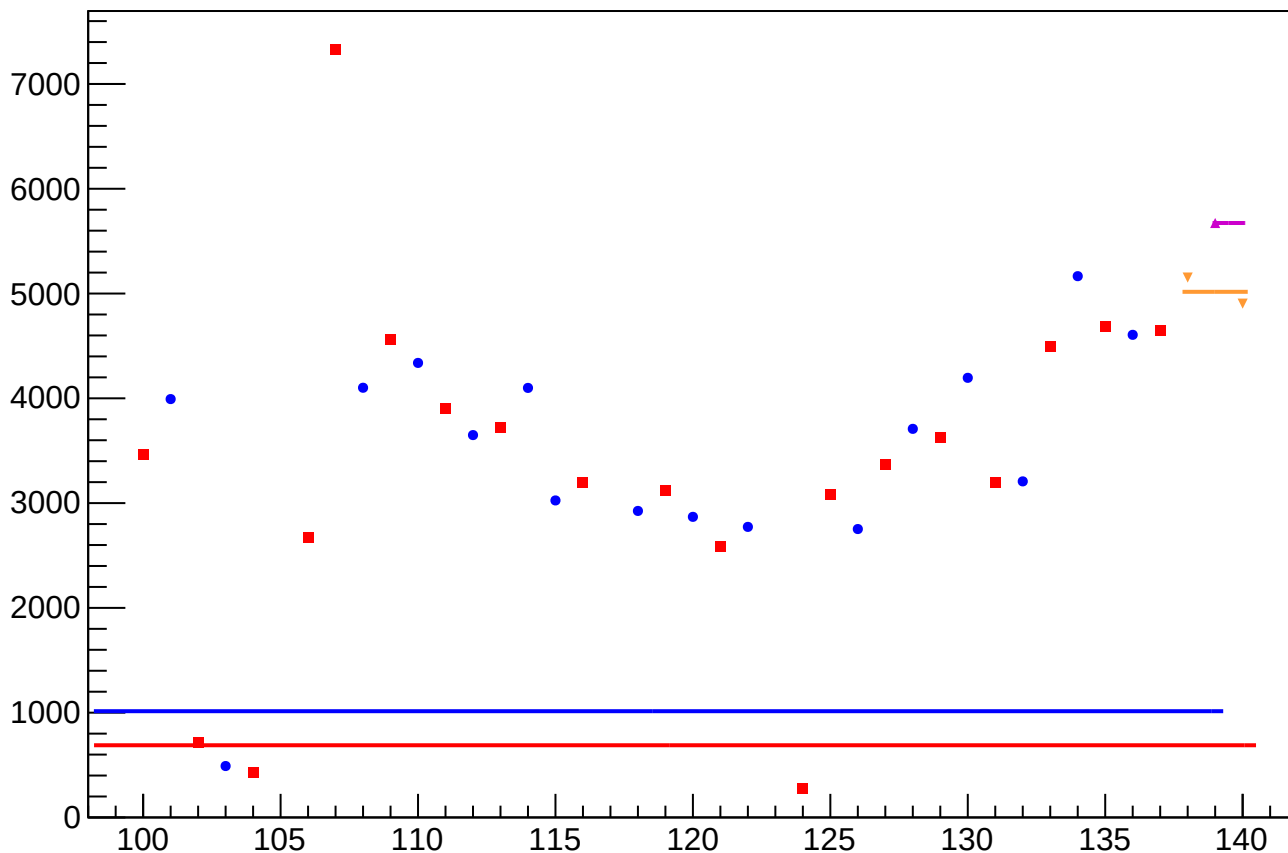
Left In: 368.386 $\pm$ 6188.813 χ^2 /NDF: 0.0/0

+ sign 236.246 $\pm$ 573.265 χ^2 /NDF: 17.0/17

All: -271.726 $\pm$ 343.771 χ^2 /NDF: 35.4/37

- sign -556.974 $\pm$ 429.583 χ^2 /NDF: 17.2/19

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF : 8223017.6/15

Left Out: 5016.468+/-2.803 χ^2/NDF :1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF : 8910364.4/18

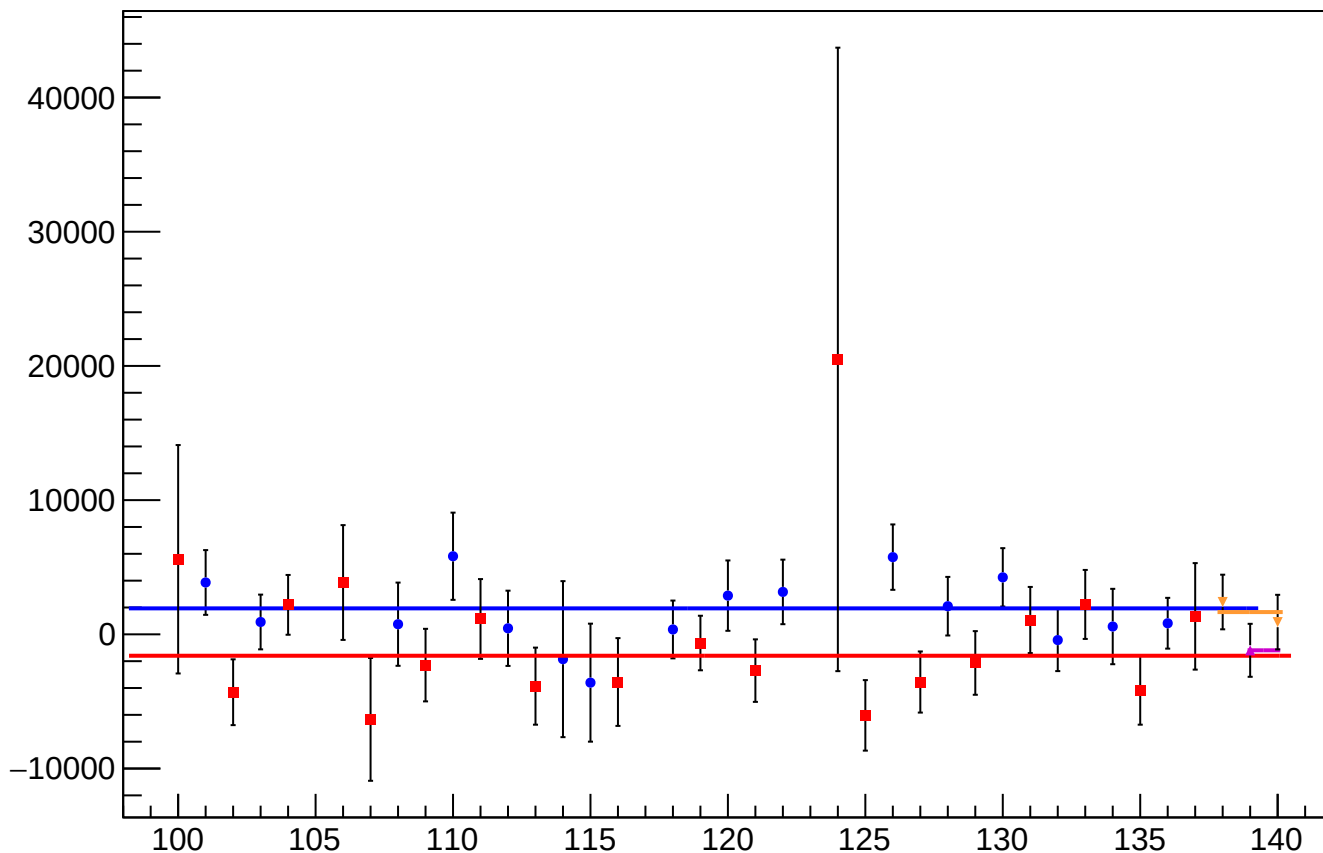
Left In: 5673.268+/-4.376 χ^2/NDF :0.0/0

+ sign 1097.817+/-0.405 χ^2/NDF : 10221600.4/17

All: 851.427+/-0.243 χ^2/NDF : 20999841.8/37

- sign 713.069+/-0.304 χ^2/NDF : 10201319.0/19

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF : 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF : 0.3/1

Right Out: -1595.521+/-642.212 χ^2/NDF : 19.4/18

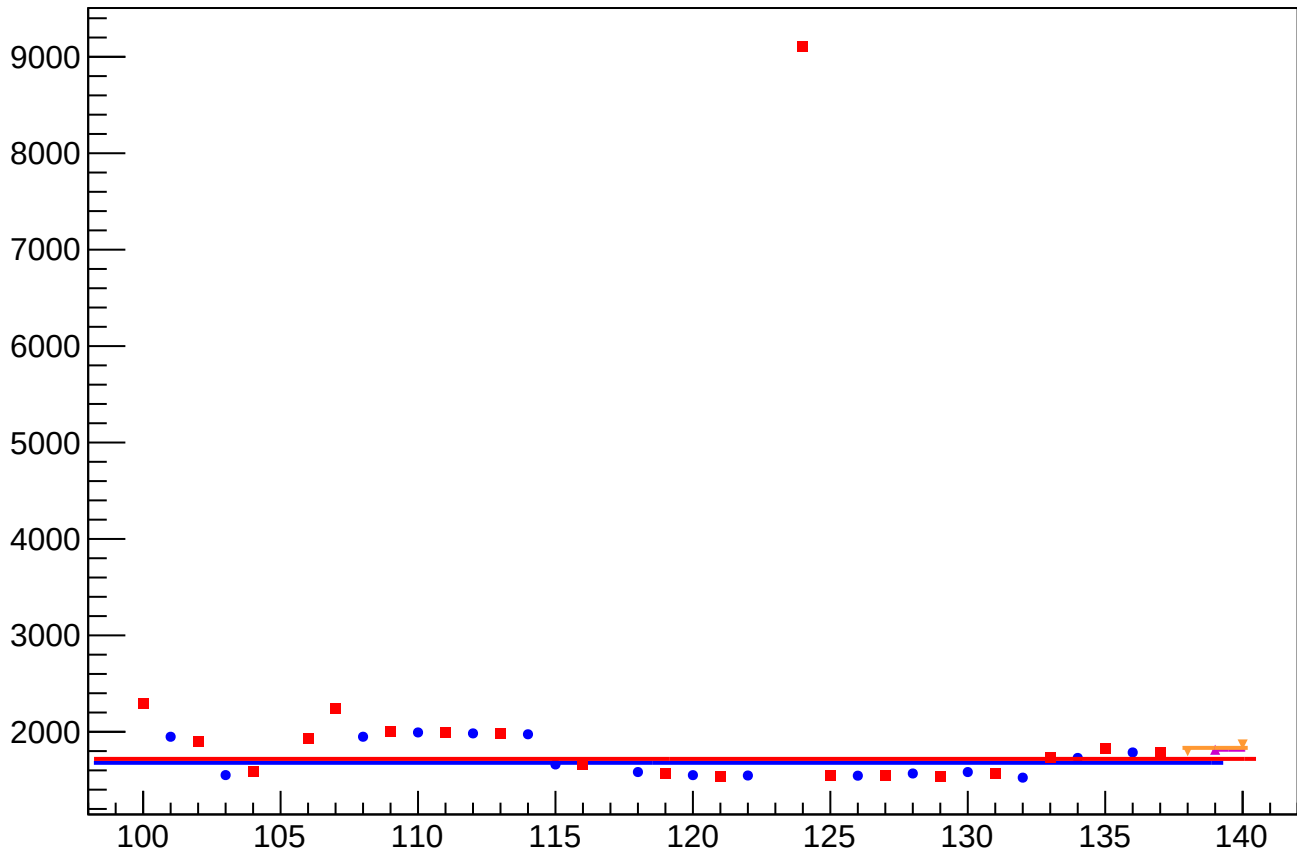
Left In: -1190.572+/-1973.718 χ^2/NDF : 0.0/0

+ sign 1890.736+/-575.483 χ^2/NDF : 11.2/17

All: 269.247+/-418.824 χ^2/NDF : 47.5/37

- sign -1556.752+/-610.697 χ^2/NDF : 19.4/19

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF : 1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

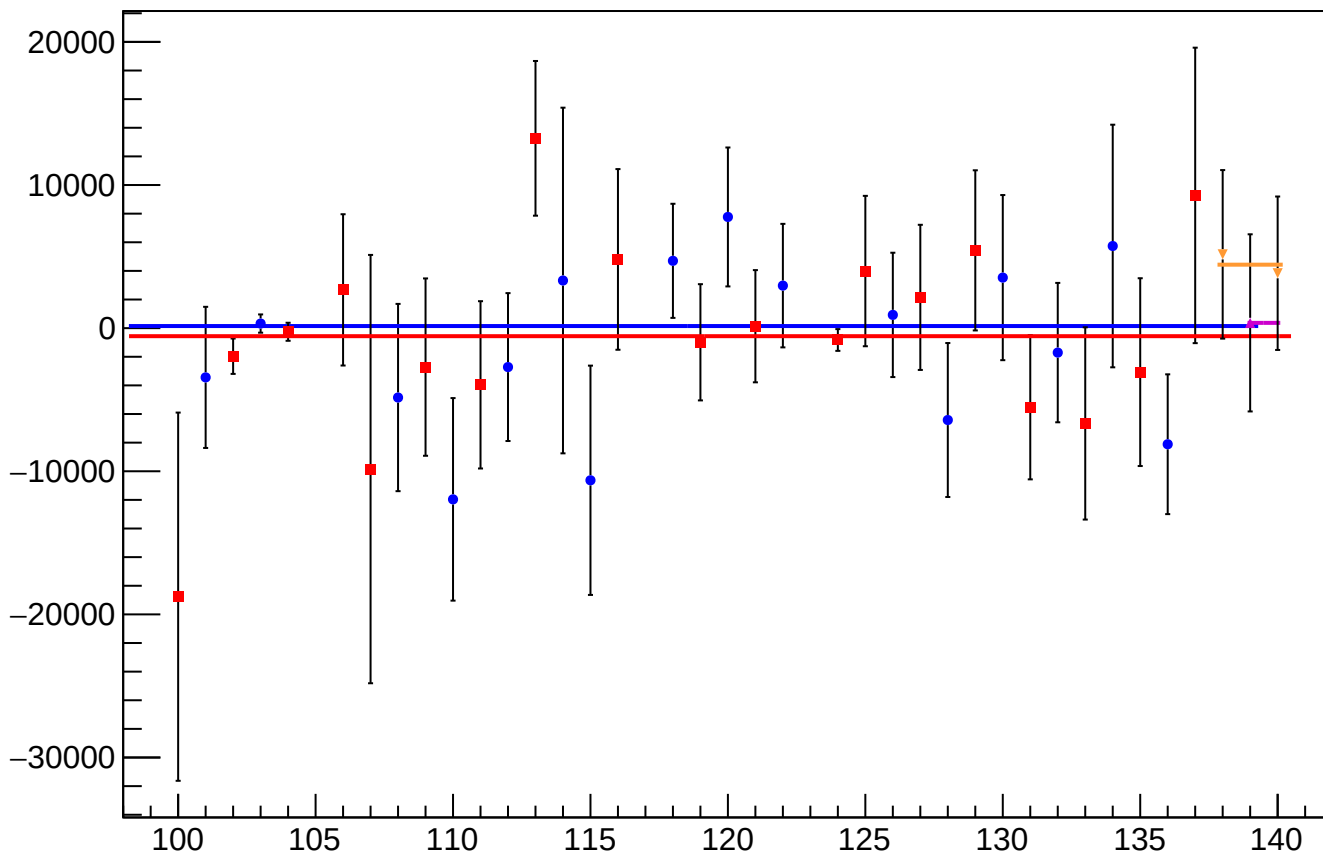
Left In: 1814.089+/-1.396 χ^2/NDF : 0.0/0

+ sign 1703.300+/-0.407 χ^2/NDF : 162125.0/17

All: 1715.043+/-0.296 χ^2/NDF : 552999.0/37

- sign 1728.166+/-0.430 χ^2/NDF : 389110.6/19

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2 /NDF: 15.8/15

Left Out: 4434.595 $\pm$ 3963.633 χ^2 /NDF:0.0/1

Right Out: -561.454 $\pm$ 430.621 χ^2 /NDF: 17.2/18

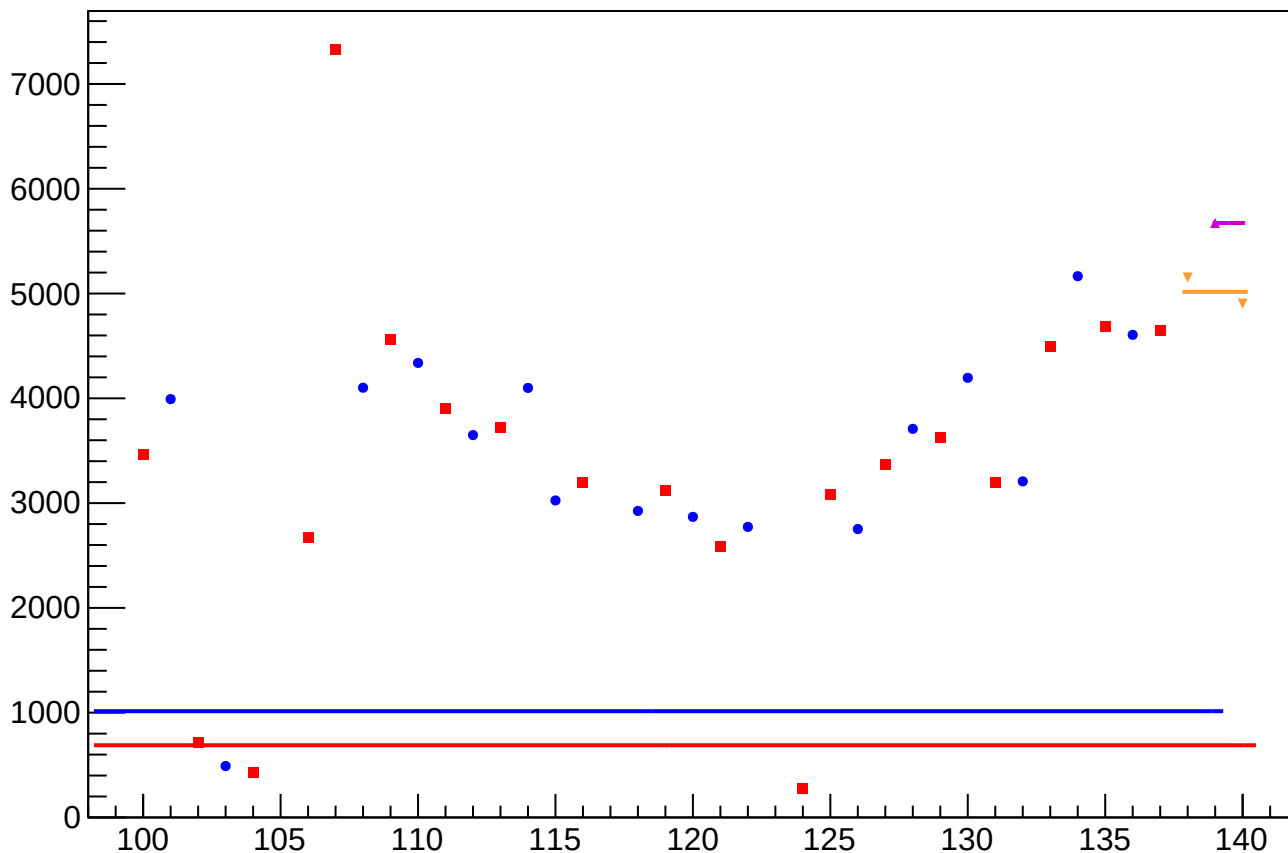
Left In: 368.386 $\pm$ 6188.813 χ^2 /NDF:0.0/0

+ sign 236.246 $\pm$ 573.265 χ^2 /NDF: 17.0/17

All: -271.726 $\pm$ 343.771 χ^2 /NDF: 35.4/37

- sign -556.974 $\pm$ 429.583 χ^2 /NDF: 17.2/19

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF : 8223017.6/15

Left Out: 5016.468+/-2.803 χ^2/NDF :1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF : 8910364.4/18

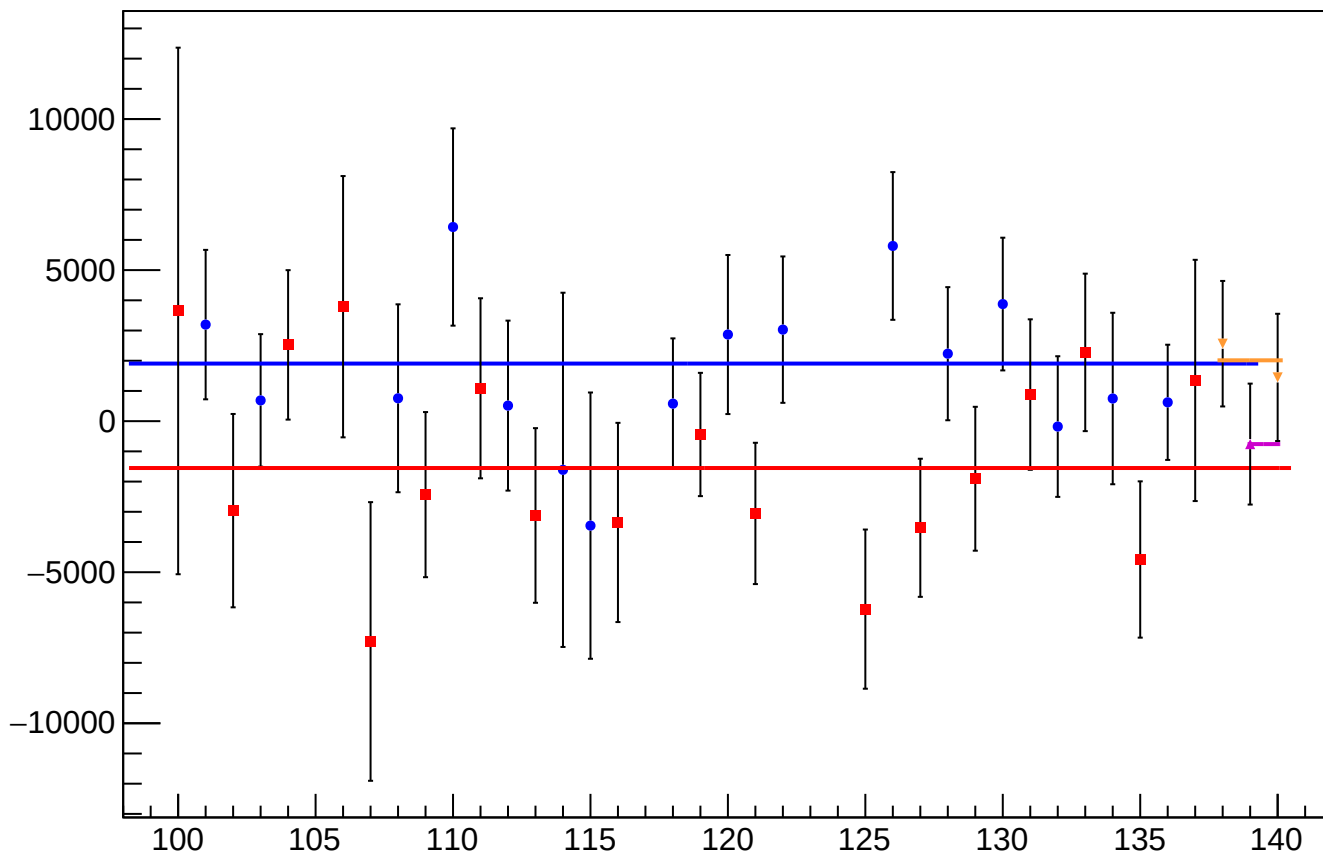
Left In: 5673.268+/-4.376 χ^2/NDF :0.0/0

+ sign 1097.817+/-0.405 χ^2/NDF : 10221600.4/17

All: 851.427+/-0.243 χ^2/NDF : 20999841.8/37

- sign 713.069+/-0.304 χ^2/NDF : 10201319.0/19

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205 $\pm$ 636.433 χ^2 /NDF: 10.2/15

Left Out: 2013.964 $\pm$ 1478.779 χ^2 /NDF:0.1/1

Right Out: -1550.986 $\pm$ 661.054 χ^2 /NDF: 17.5/17

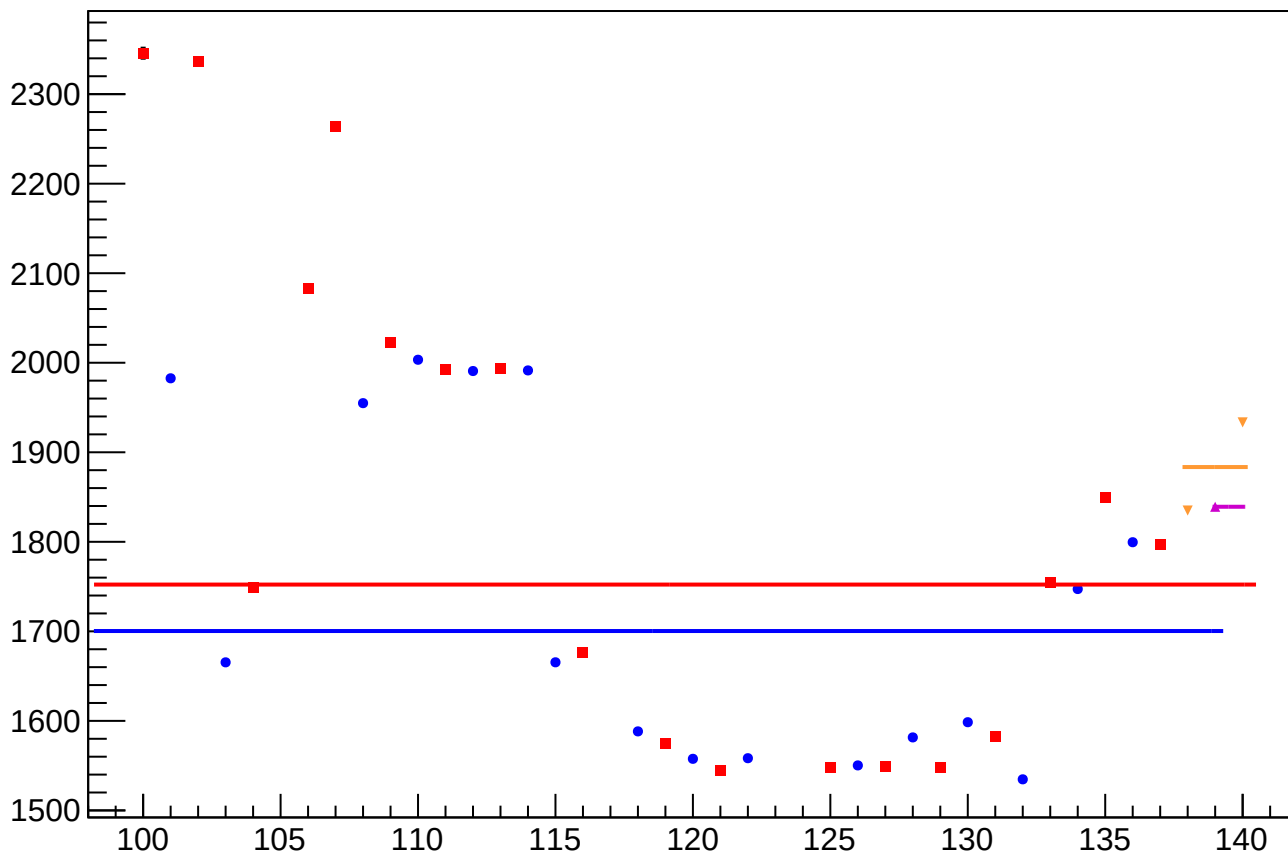
Left In: -758.963 $\pm$ 2001.653 χ^2 /NDF:0.0/0

+ sign 1923.045 $\pm$ 584.592 χ^2 /NDF: 10.4/17

All: 345.609 $\pm$ 427.800 χ^2 /NDF: 43.6/36

- sign -1473.097 $\pm$ 627.708 χ^2 /NDF: 17.6/18

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF : 135419.2/15

Left Out: 1883.500+/-1.046 χ^2/NDF : 2215.6/1

Right Out: 1752.239+/-0.466 χ^2/NDF : 247952.8/17

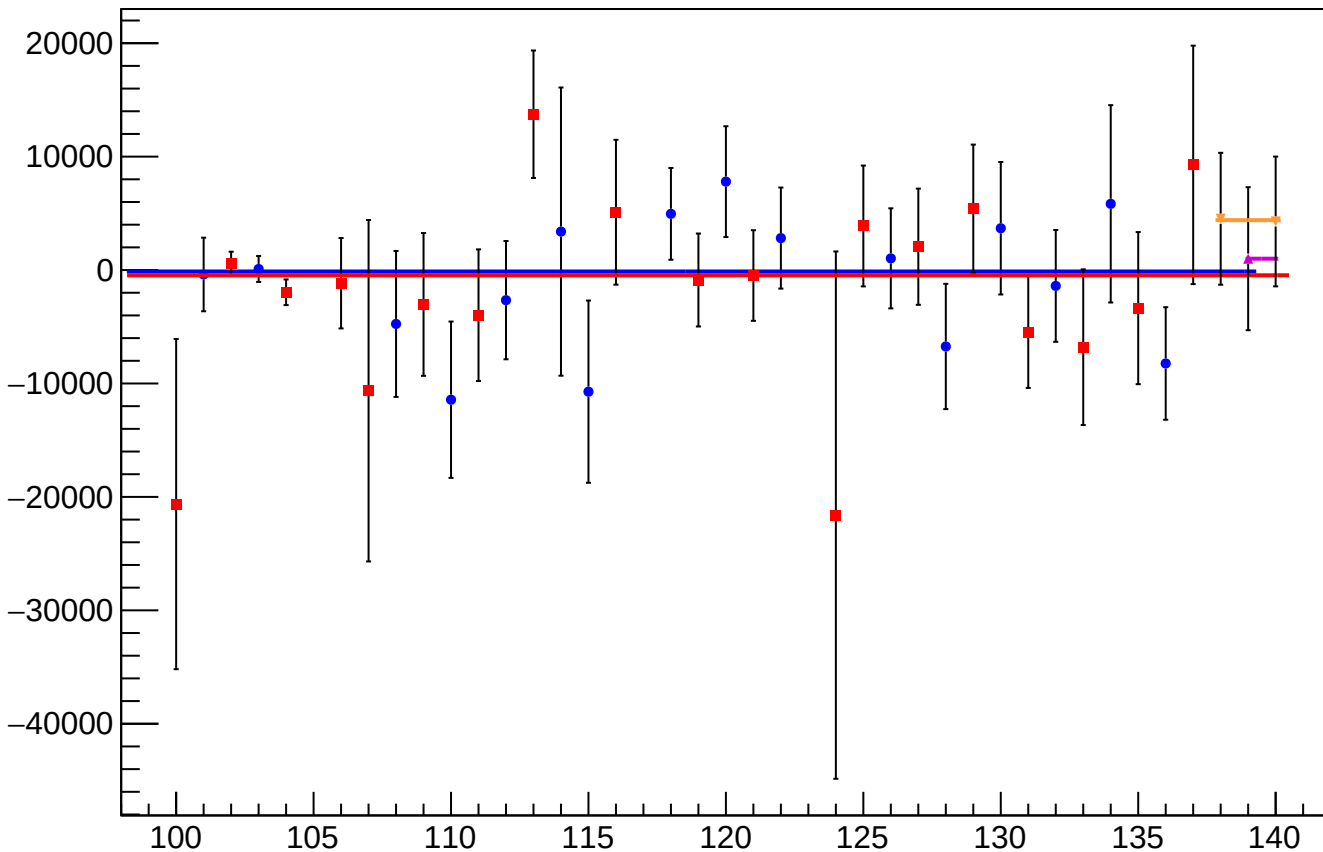
Left In: 1839.153+/-1.415 χ^2/NDF : 0.0/0

+ sign 1728.978+/-0.413 χ^2/NDF : 163517.2/17

All: 1743.768+/-0.302 χ^2/NDF : 417621.6/36

- sign 1760.751+/-0.443 χ^2/NDF : 251354.3/18

asym atl avg dit correction mean vs Slug



Right In: -125.468+/-867.645 χ^2/NDF : 15.1/15

Left Out: 4400.322+/-4077.568 $\chi^2/\text{NDF}:0.0/1$

Right Out: -459.431 ± 679.157 χ^2/NDF : 18.5/18

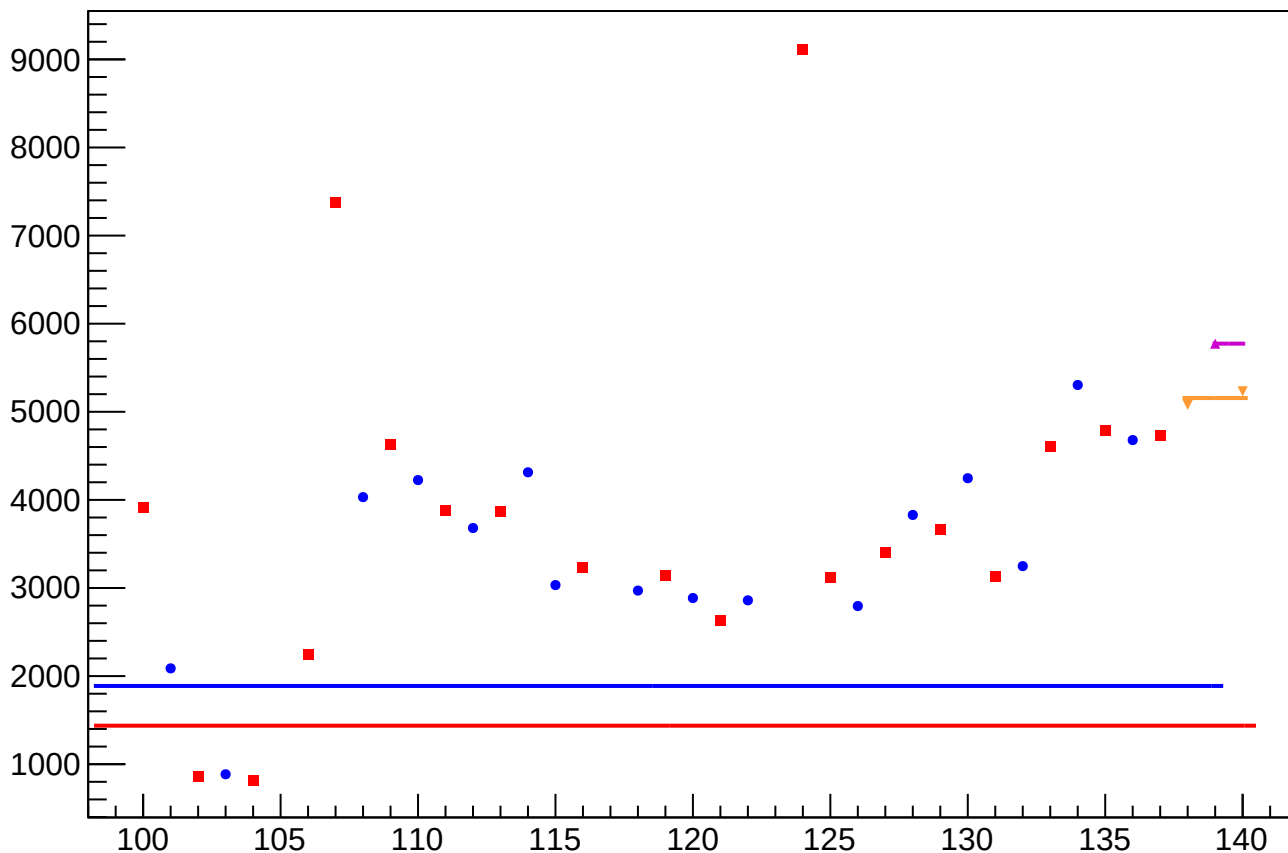
Left In: 1001.871+/-6305.296 χ^2/NDF :0.0/0

+ sign 70.572+/-848.646 χ^2/NDF : 16.3/17

All: -243.702 ± 528.394 χ^2/NDF : 35.0/37

- sign -442.672+/-675.251 χ^2/NDF : 18.6/19

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF : 4425691.6/15

Left Out: 5155.998+/-2.883 χ^2/NDF : 723.9/1

Right Out: 1437.108+/-0.480 χ^2/NDF : 5964193.5/18

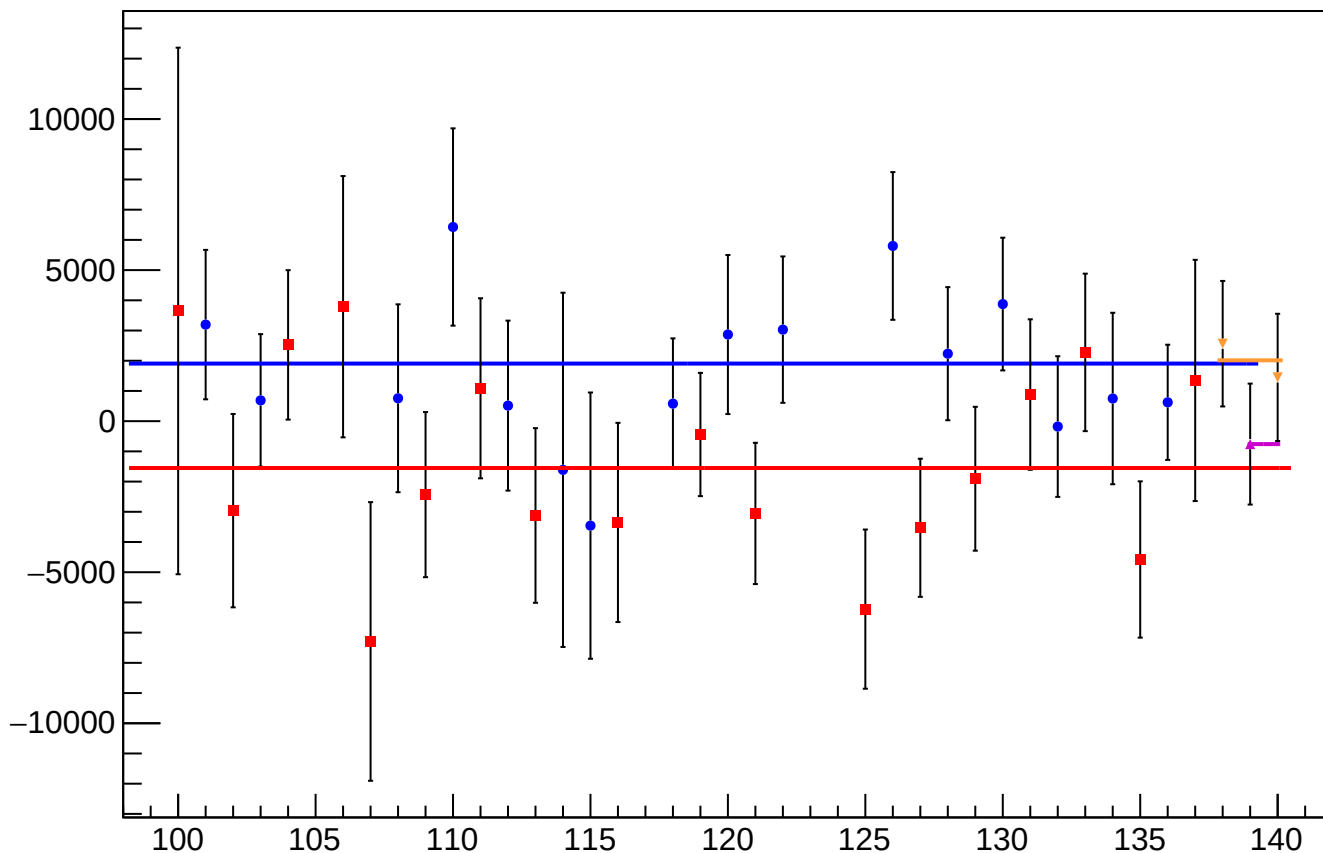
Left In: 5773.532+/-4.459 χ^2/NDF : 0.0/0

+ sign 2029.556+/-0.600 χ^2/NDF : 5655438.7/17

All: 1697.236+/-0.374 χ^2/NDF : 13055610.6/3

- sign 1486.842+/-0.477 χ^2/NDF : 6899325.2/19

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203 $\pm$ 636.433 χ^2 /NDF: 10.2/15

Left Out: 2013.975 $\pm$ 1478.780 χ^2 /NDF:0.1/1

Right Out: -1550.983 $\pm$ 661.054 χ^2 /NDF: 17.5/17

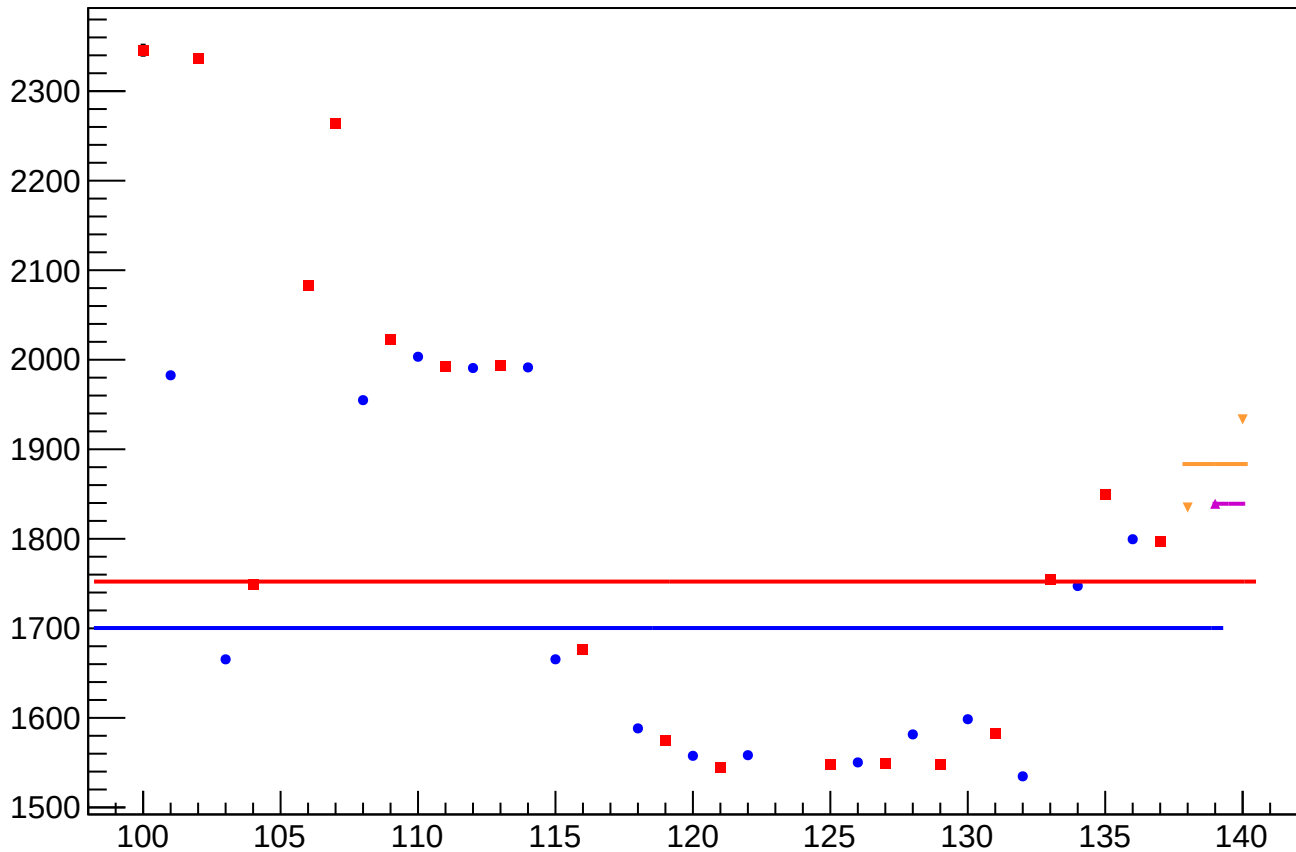
Left In: -758.962 $\pm$ 2001.654 χ^2 /NDF:0.0/0

+ sign 1923.046 $\pm$ 584.592 χ^2 /NDF: 10.4/17

All: 345.610 $\pm$ 427.800 χ^2 /NDF: 43.6/36

- sign -1473.095 $\pm$ 627.708 χ^2 /NDF: 17.6/18

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2 /NDF: 135419.5/15

Left Out: 1883.501+/-1.046 χ^2 /NDF:2215.6/1

Right Out: 1752.238+/-0.466 χ^2 /NDF: 247952.3/17

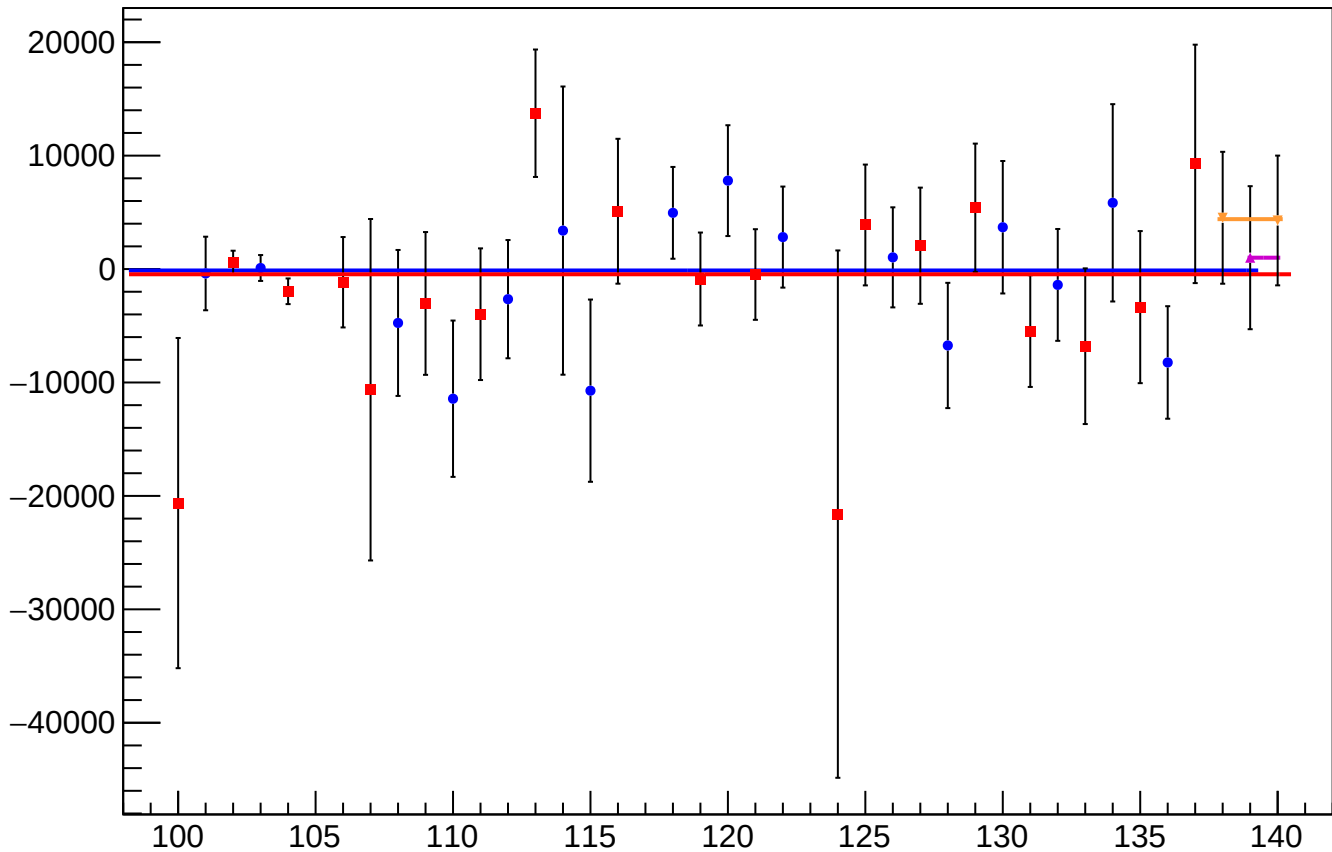
Left In: 1839.154+/-1.415 χ^2 /NDF:0.0/0

+ sign 1728.978+/-0.413 χ^2 /NDF: 163517.7/17

All: 1743.768+/-0.302 χ^2 /NDF: 417621.7/36

- sign 1760.751+/-0.443 χ^2 /NDF: 251354.0/18

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464 $\pm$ 867.639 χ^2 /NDF: 15.1/15

Left Out: 4400.332 $\pm$ 4077.578 χ^2 /NDF: 0.0/1

Right Out: -459.430 $\pm$ 679.152 χ^2 /NDF: 18.5/18

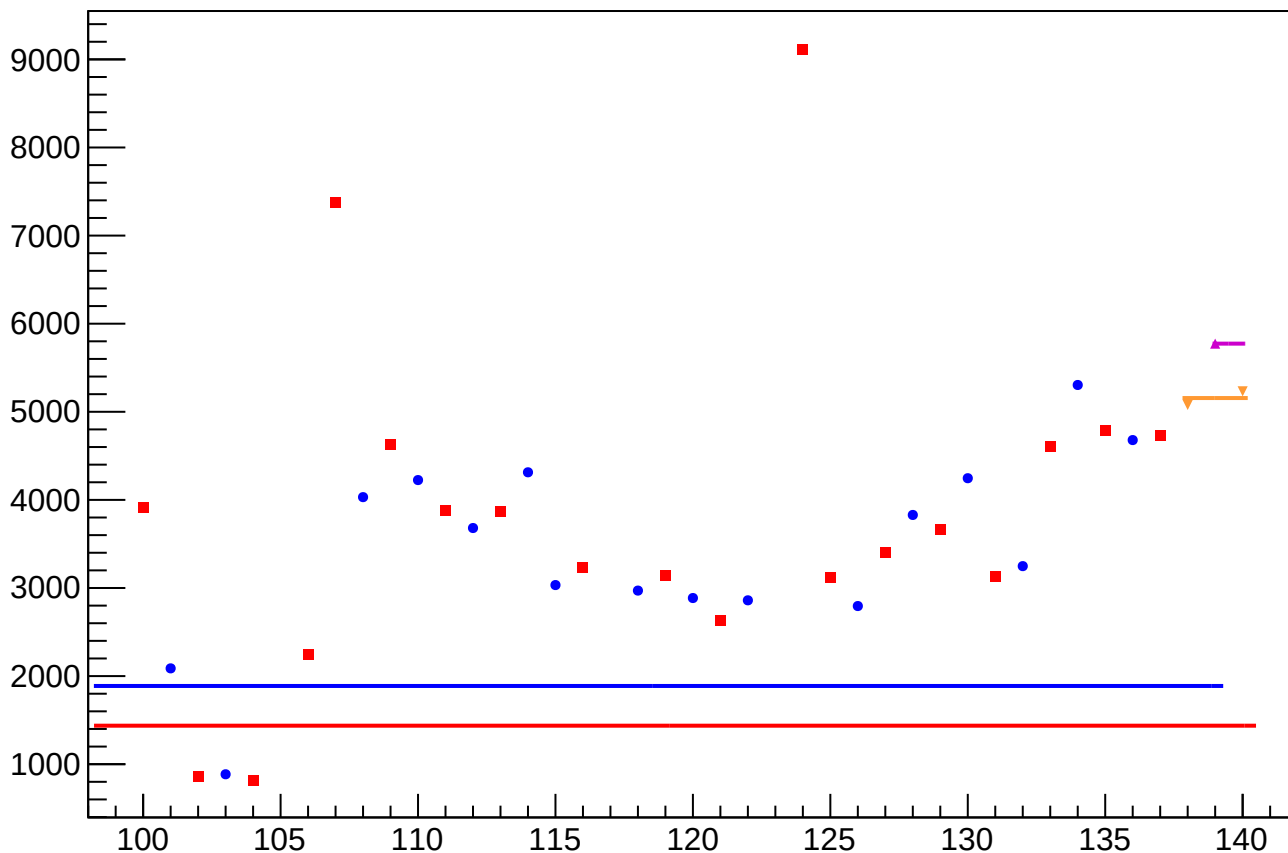
Left In: 1001.865 $\pm$ 6305.318 χ^2 /NDF: 0.0/0

+ sign 70.573 $\pm$ 848.640 χ^2 /NDF: 16.3/17

All: -243.701 $\pm$ 528.390 χ^2 /NDF: 35.0/37

- sign -442.671 $\pm$ 675.246 χ^2 /NDF: 18.6/19

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF : 4425728.6/15

Left Out: 5156.011+/-2.883 χ^2/NDF : 723.8/1

Right Out: 1437.095+/-0.480 χ^2/NDF : 5964228.2/18

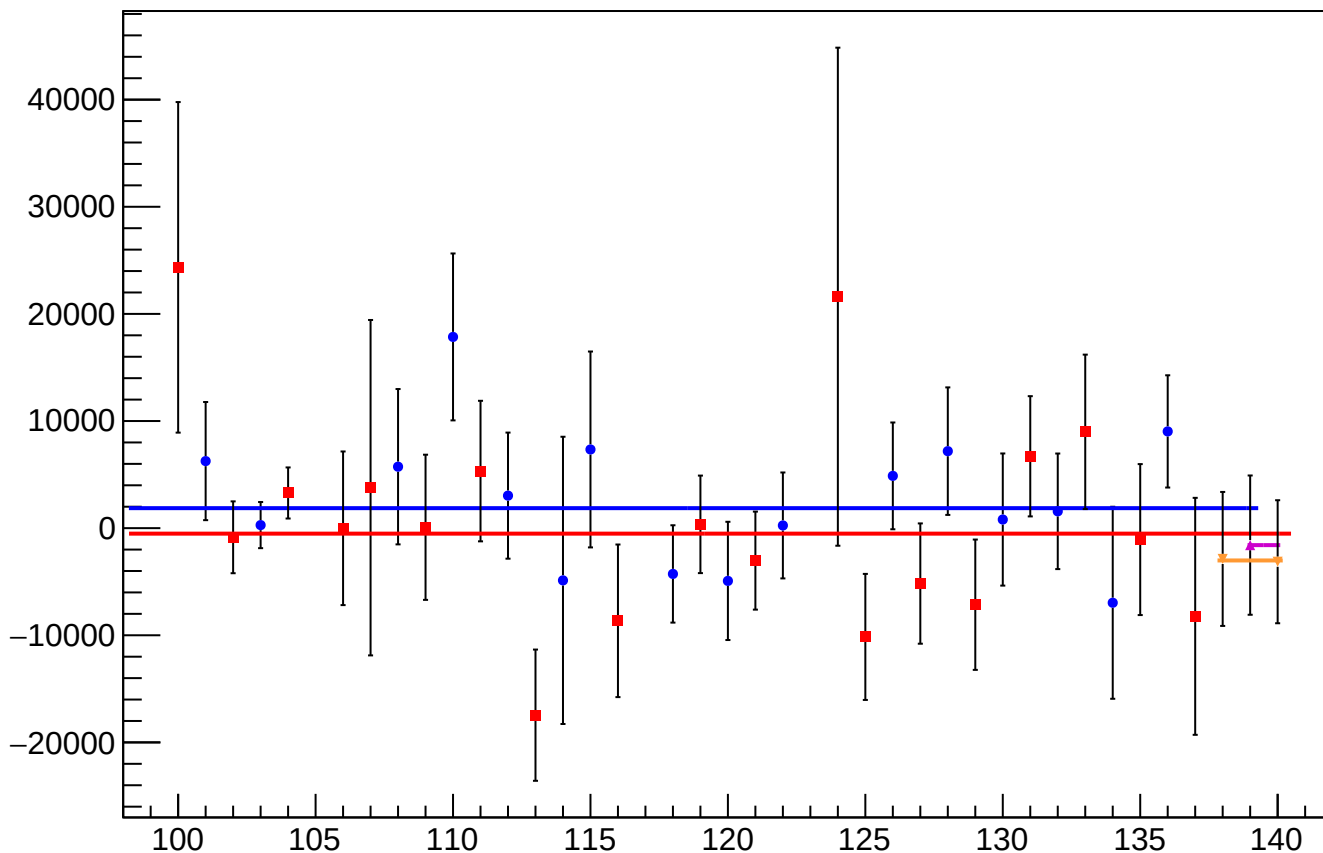
Left In: 5773.551+/-4.459 χ^2/NDF : 0.0/0

+ sign 2029.538+/-0.600 χ^2/NDF : 5655492.5/17

All: 1697.220+/-0.374 χ^2/NDF : 13055707.6/3

- sign 1486.828+/-0.477 χ^2/NDF : 6899368.1/19

asym_atl_avg_mean vs Slug



Right In: 1866.618 $\pm$ 1259.187 χ^2 /NDF: 13.8/15

Left Out: -3015.848 $\pm$ 4229.779 χ^2 /NDF: 0.0/1

Right Out: -512.528 $\pm$ 1241.513 χ^2 /NDF: 24.7/18

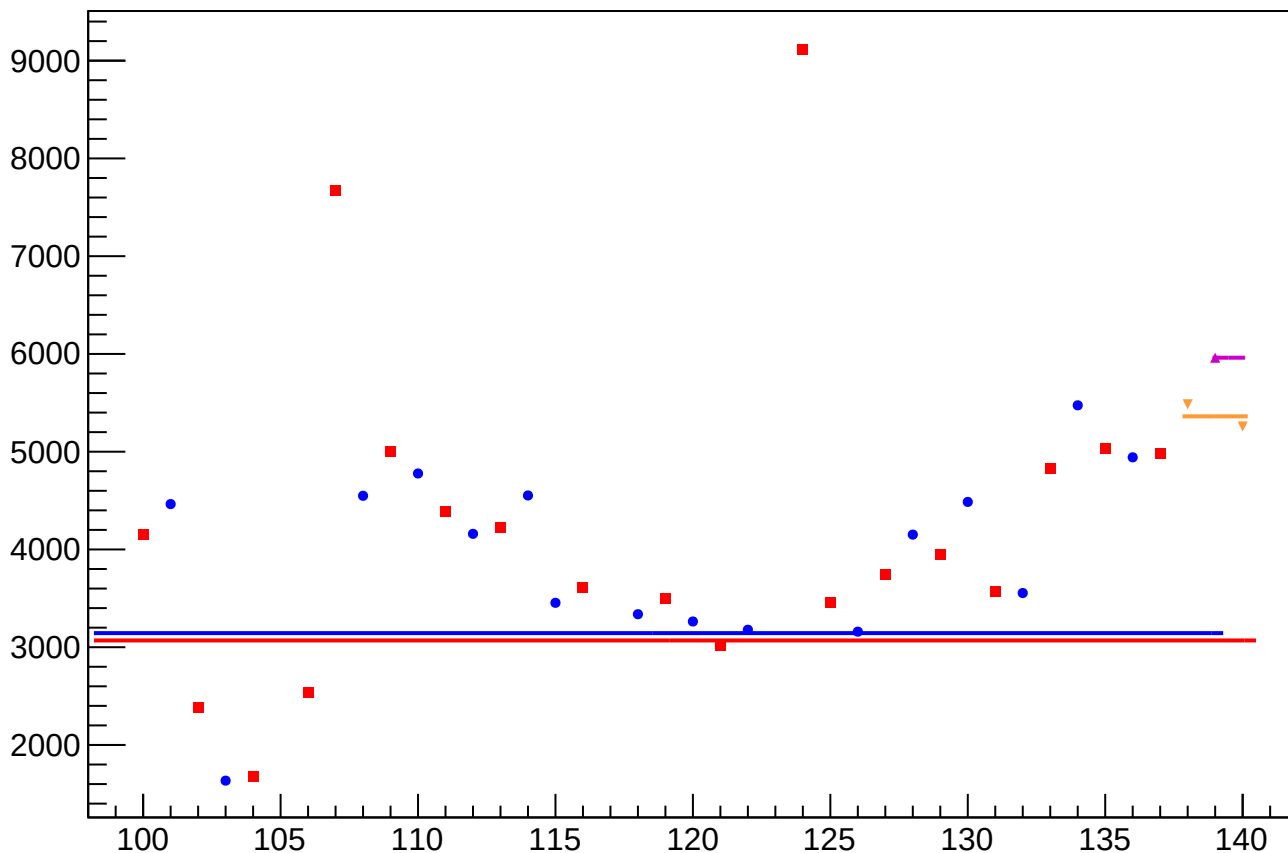
Left In: -1584.616 $\pm$ 6500.696 χ^2 /NDF: 0.0/0

+ sign 1469.146 $\pm$ 1206.845 χ^2 /NDF: 15.0/17

All: 469.955 $\pm$ 857.798 χ^2 /NDF: 41.1/37

- sign -550.255 $\pm$ 1219.473 χ^2 /NDF: 24.7/19

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF : 1883139.2/15

Left Out: 5361.494+/-2.991 χ^2/NDF :1431.1/1

Right Out: 3069.098+/-0.864 χ^2/NDF : 1881644.6/18

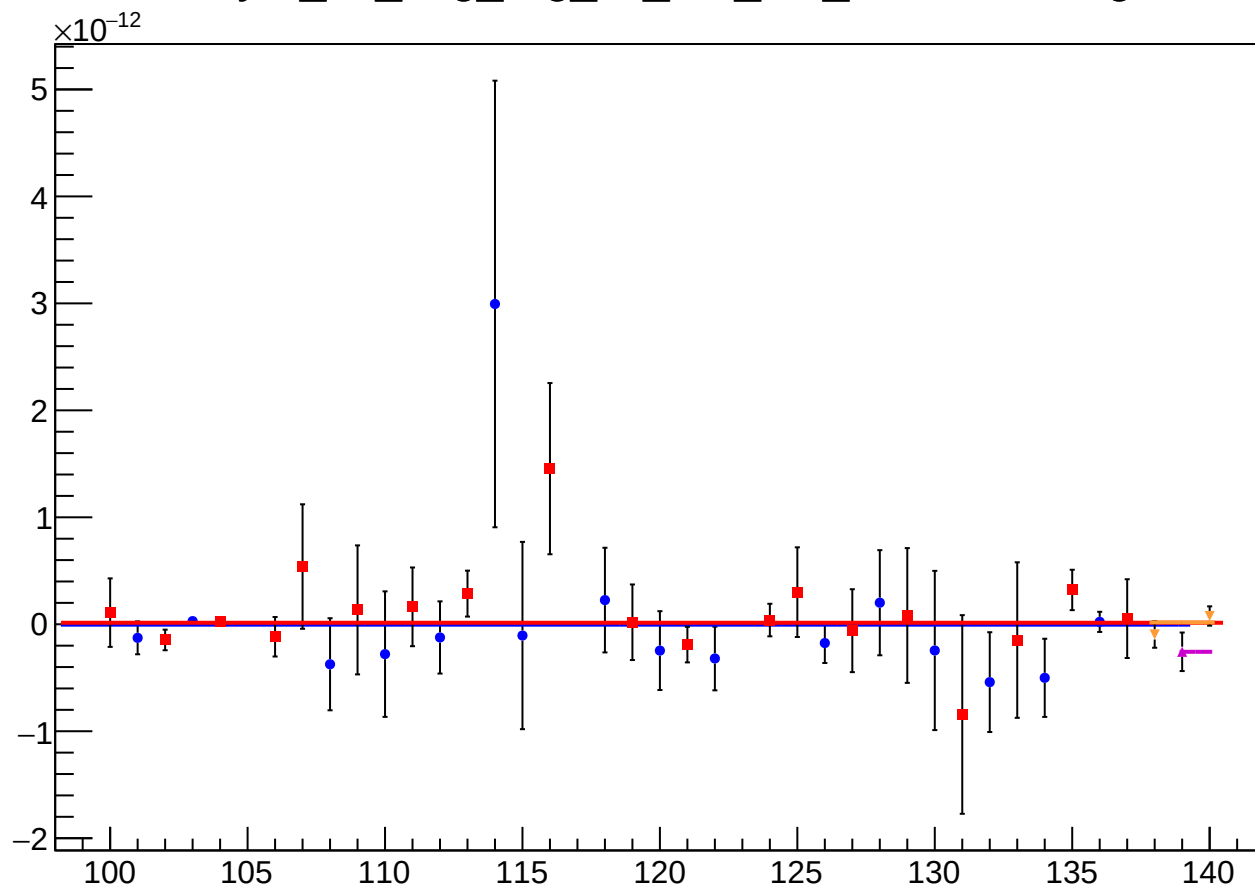
Left In: 5961.537+/-4.597 χ^2/NDF :0.0/0

+ sign 3324.646+/-0.853 χ^2/NDF : 2389451.3/17

All: 3245.873+/-0.602 χ^2/NDF : 4670487.9/37

- sign 3167.844+/-0.849 χ^2/NDF : 2264075.5/19

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 : 1.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.9/18

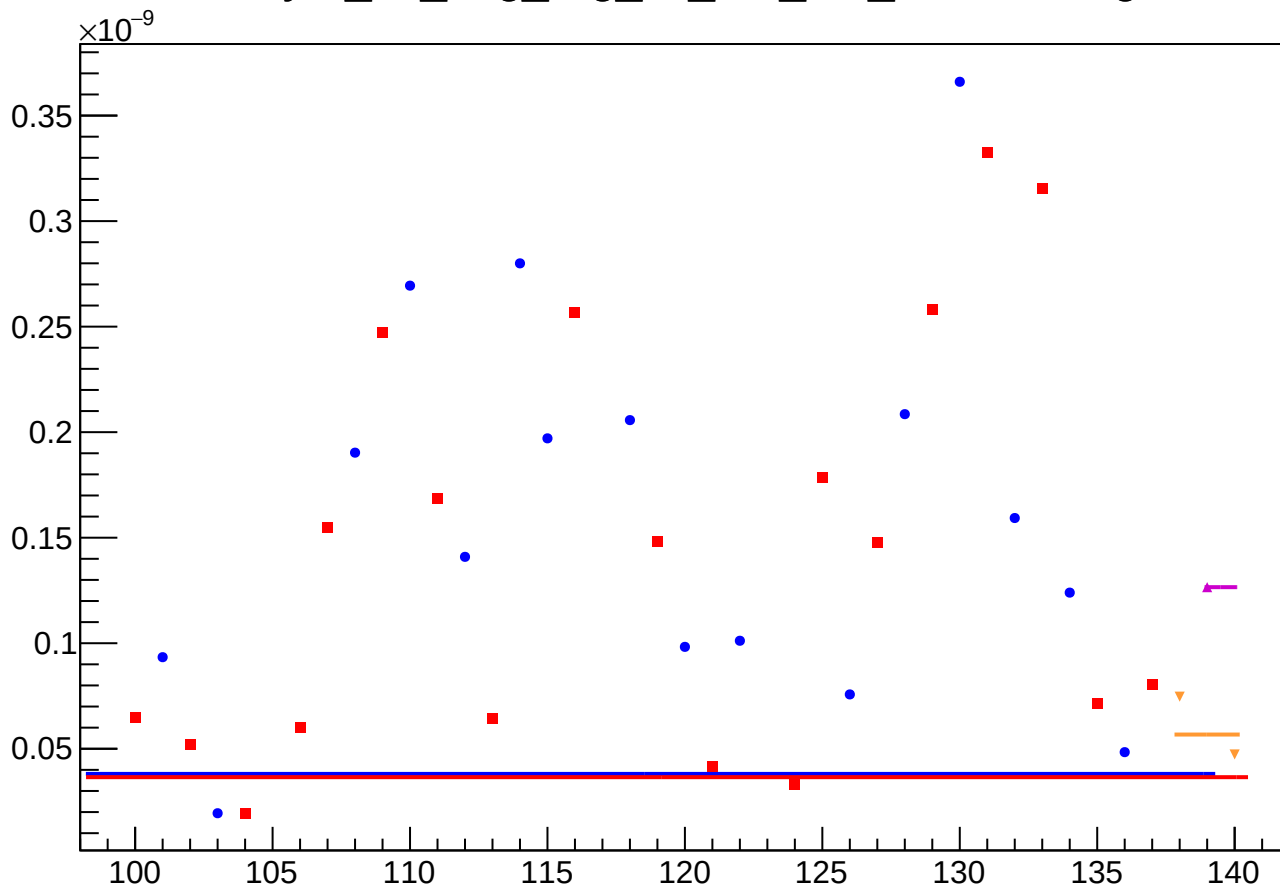
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 12.0/17

All: 0.000 ± 0.000 χ^2/NDF : 29.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 17.1/19

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 63453.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2683451.3/18

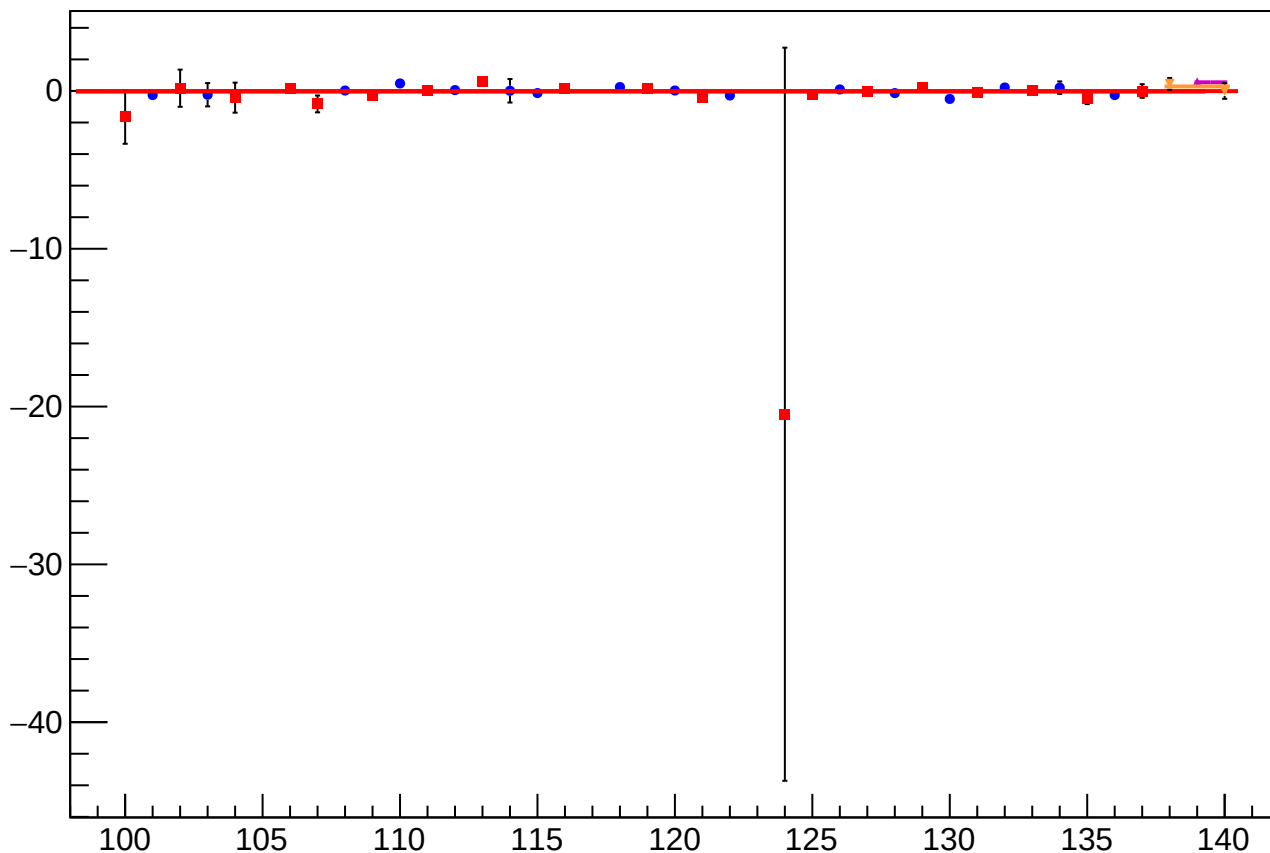
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3059137.9/17

All: 0.000+/-0.000 χ^2/NDF : 6230064.1/37

- sign 0.000+/-0.000 χ^2/NDF : 3166781.8/19

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: 0.286 ± 0.299 χ^2/NDF : 0.5/1

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

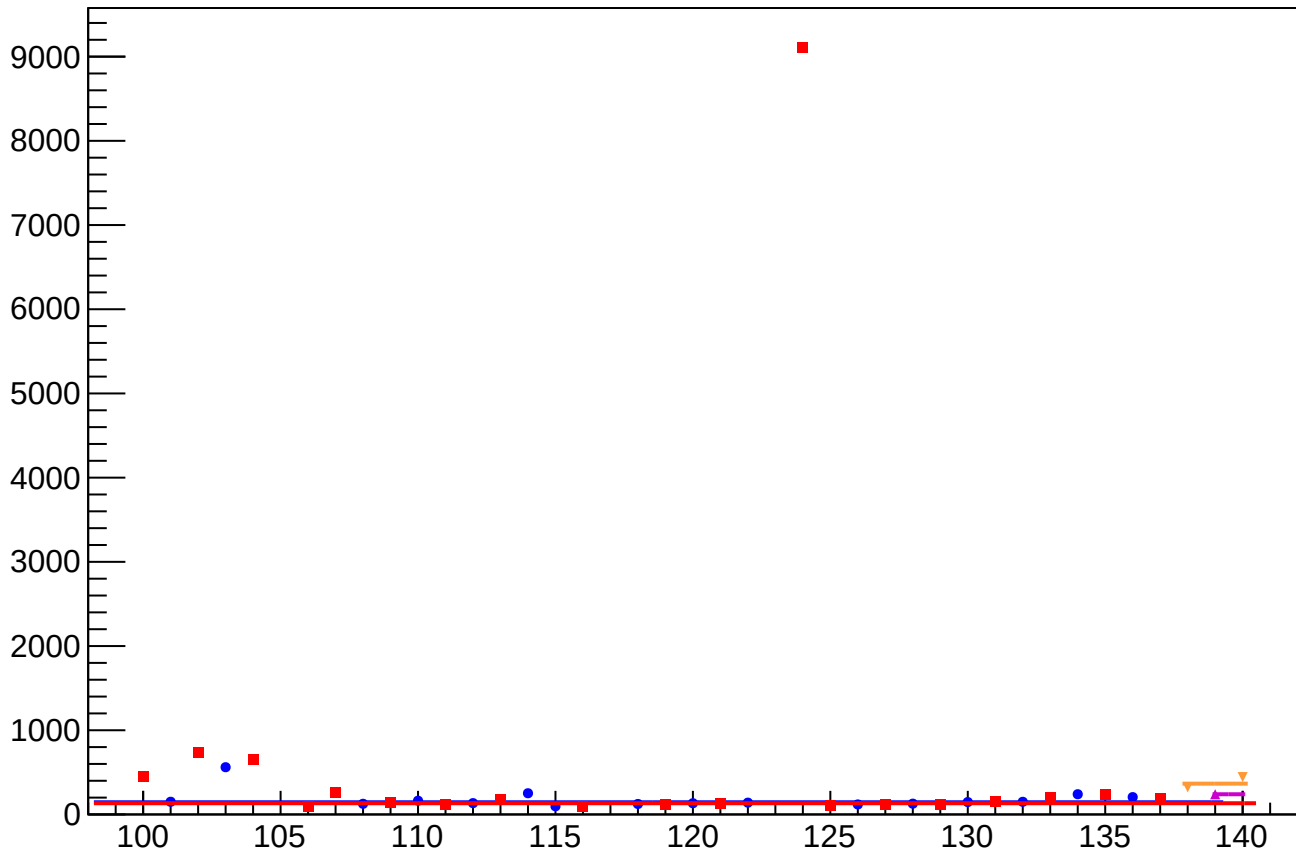
Left In: 0.548 ± 0.273 χ^2/NDF : 0.0/0

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.002 ± 0.040 χ^2/NDF : 44.8/37

- sign 0.012 ± 0.055 χ^2/NDF : 25.8/19

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291 $\pm$ 0.041 χ^2 /NDF: 1128779.2/15

Left Out: 365.839 $\pm$ 0.211 χ^2 /NDF: 77209.8/1

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220645.6/18

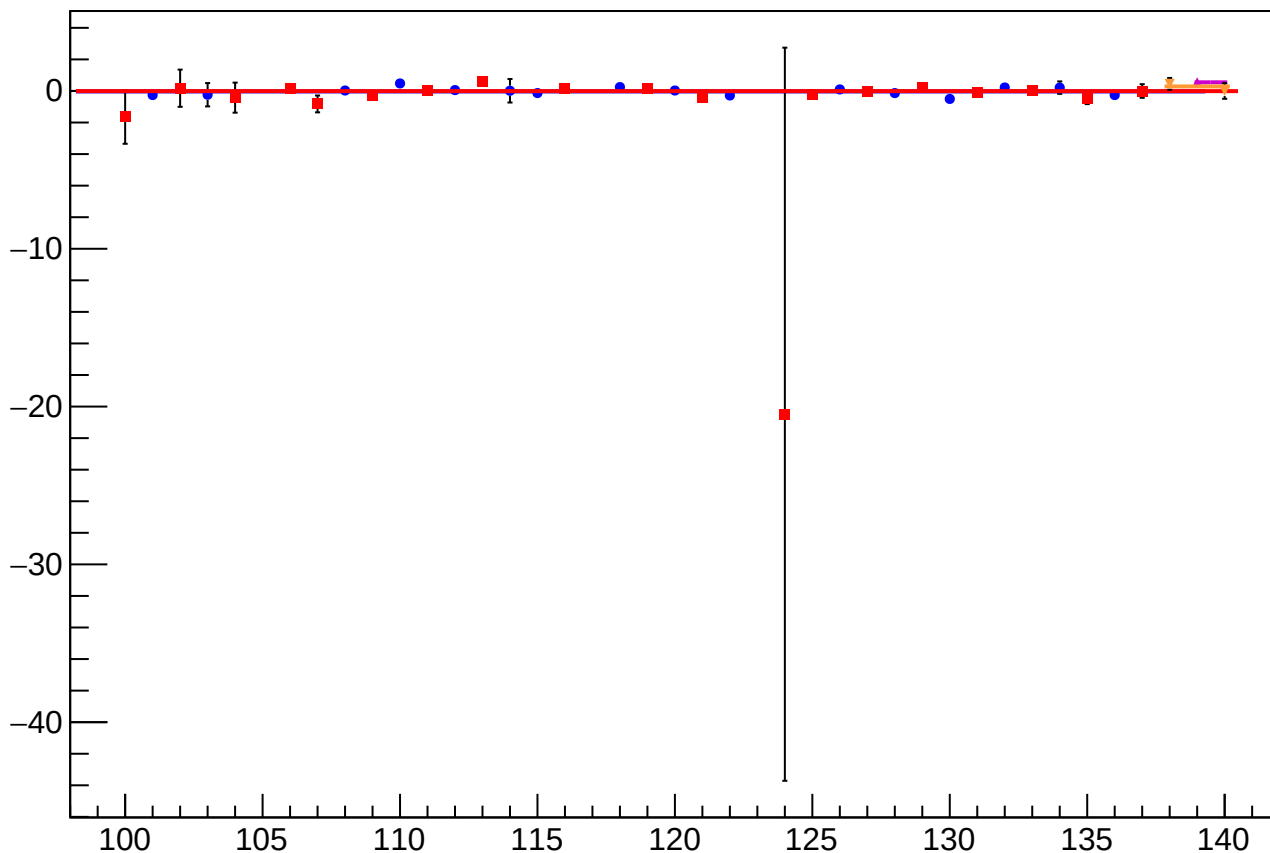
Left In: 239.811 $\pm$ 0.193 χ^2 /NDF: 0.0/0

+ sign 152.289 $\pm$ 0.040 χ^2 /NDF: 2265767.7/17

All: 144.774 $\pm$ 0.028 χ^2 /NDF: 4847116.5/37

- sign 137.635 $\pm$ 0.039 χ^2 /NDF: 2513019.9/19

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: 0.286 ± 0.299 χ^2/NDF : 0.5/1

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

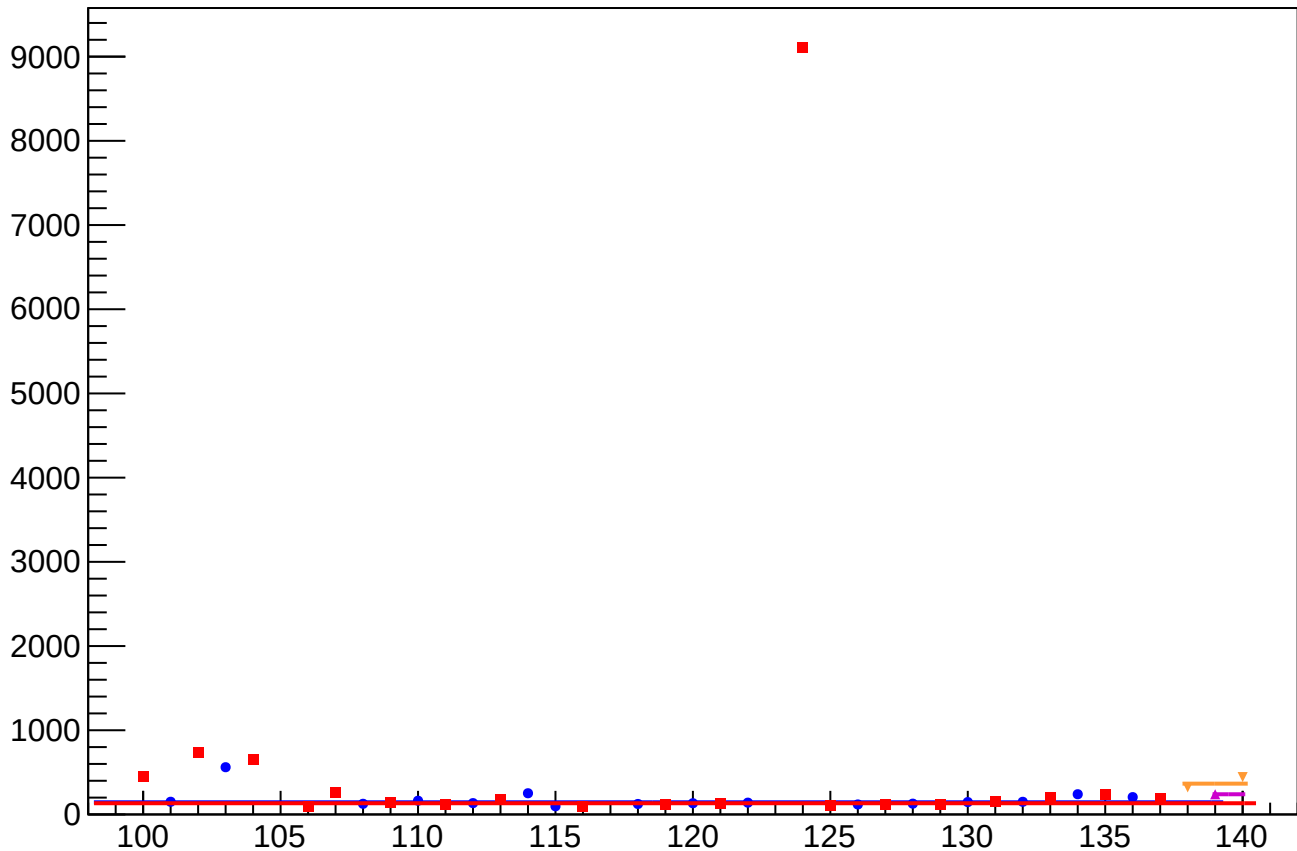
Left In: 0.548 ± 0.273 χ^2/NDF : 0.0/0

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.002 ± 0.040 χ^2/NDF : 44.8/37

- sign 0.012 ± 0.055 χ^2/NDF : 25.8/19

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: 365.839+/-0.211 χ^2/NDF : 77209.8/1

Right Out: 133.253+/-0.040 χ^2/NDF : 2220645.6/18

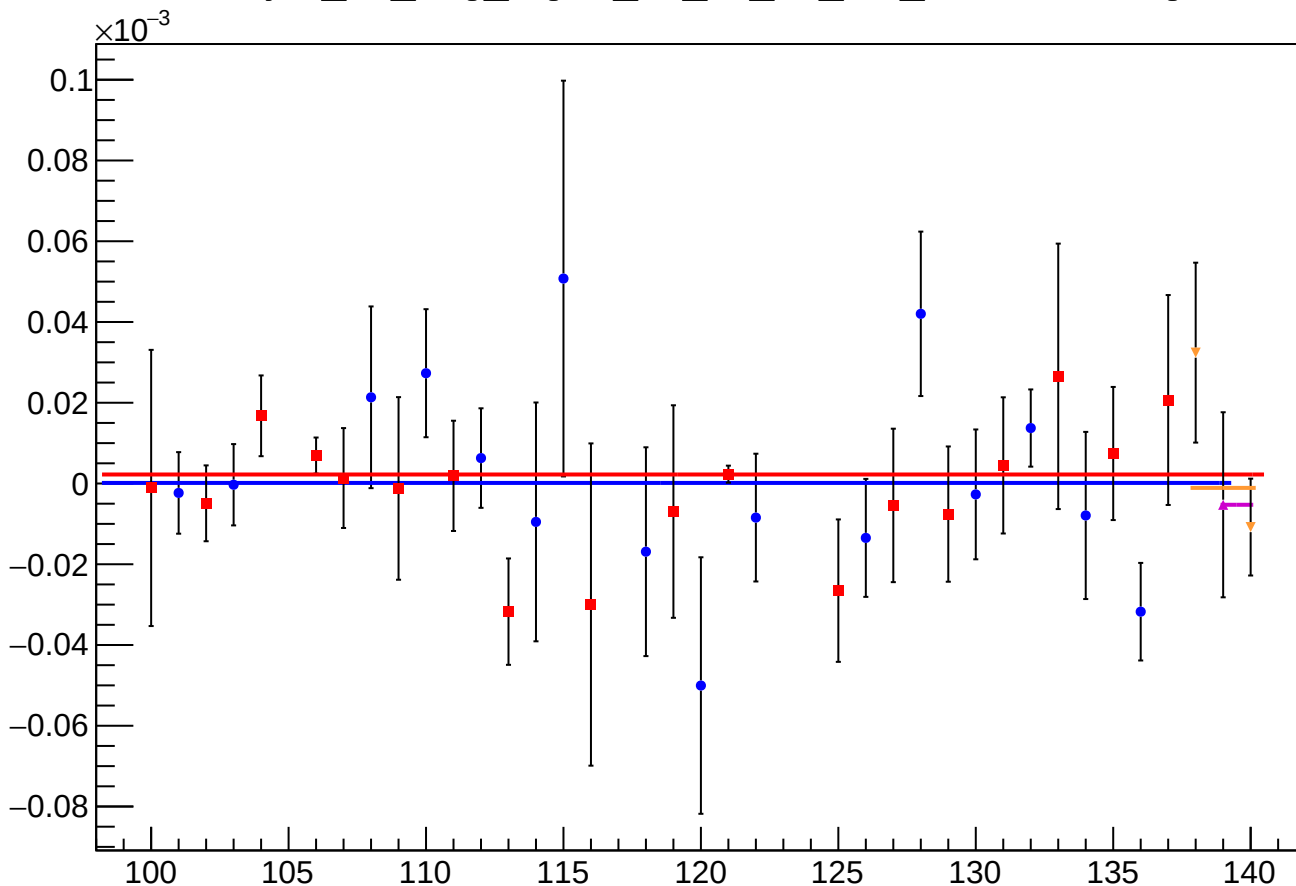
Left In: 239.811+/-0.193 χ^2/NDF : 0.0/0

+ sign 152.289+/-0.040 χ^2/NDF : 2265767.7/17

All: 144.774+/-0.028 χ^2/NDF : 4847116.5/37

- sign 137.635+/-0.039 χ^2/NDF : 2513019.9/19

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/17

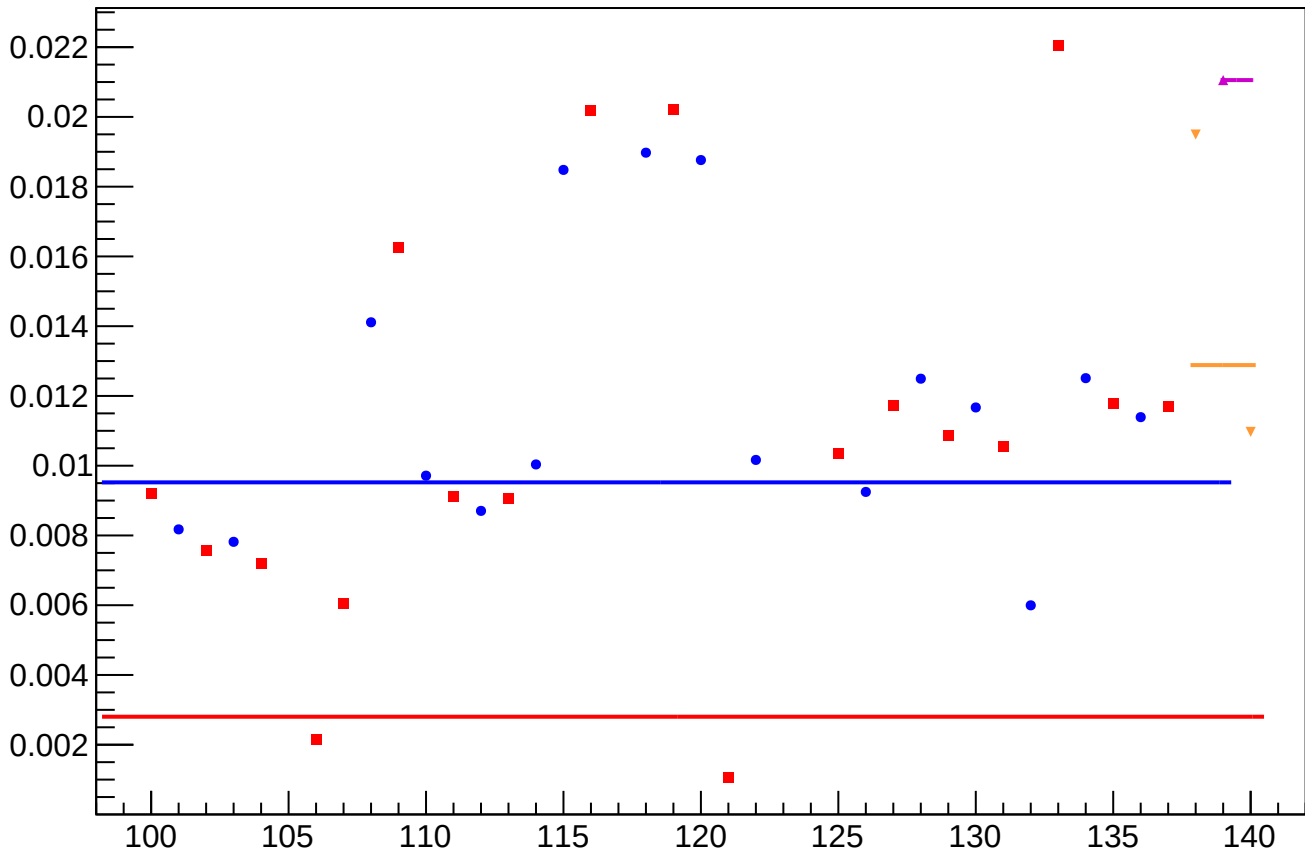
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/18

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1132946.4/15

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 227076.9/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8568874.3/17

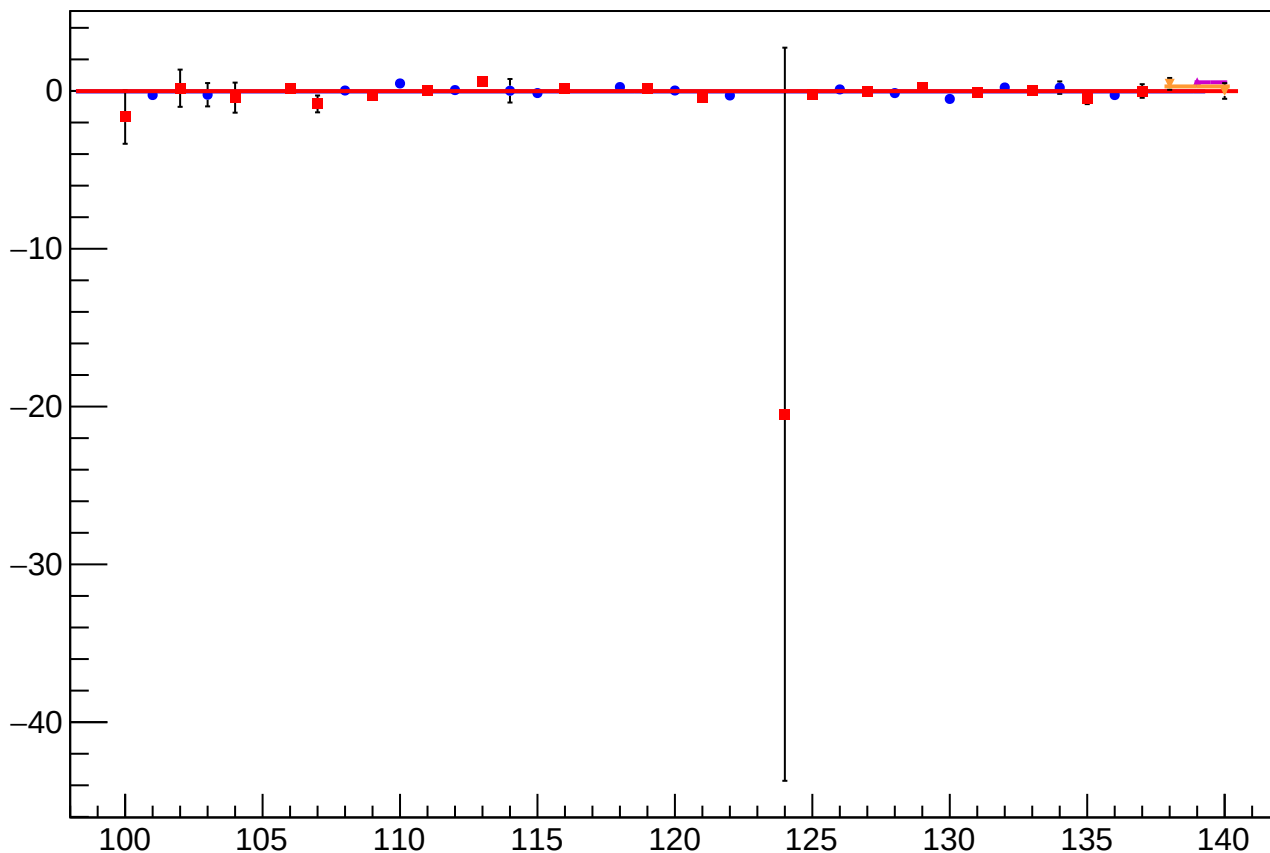
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1540106.7/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 17722207.4/36

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9830448.0/18

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: 0.286 ± 0.299 χ^2/NDF : 0.5/1

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

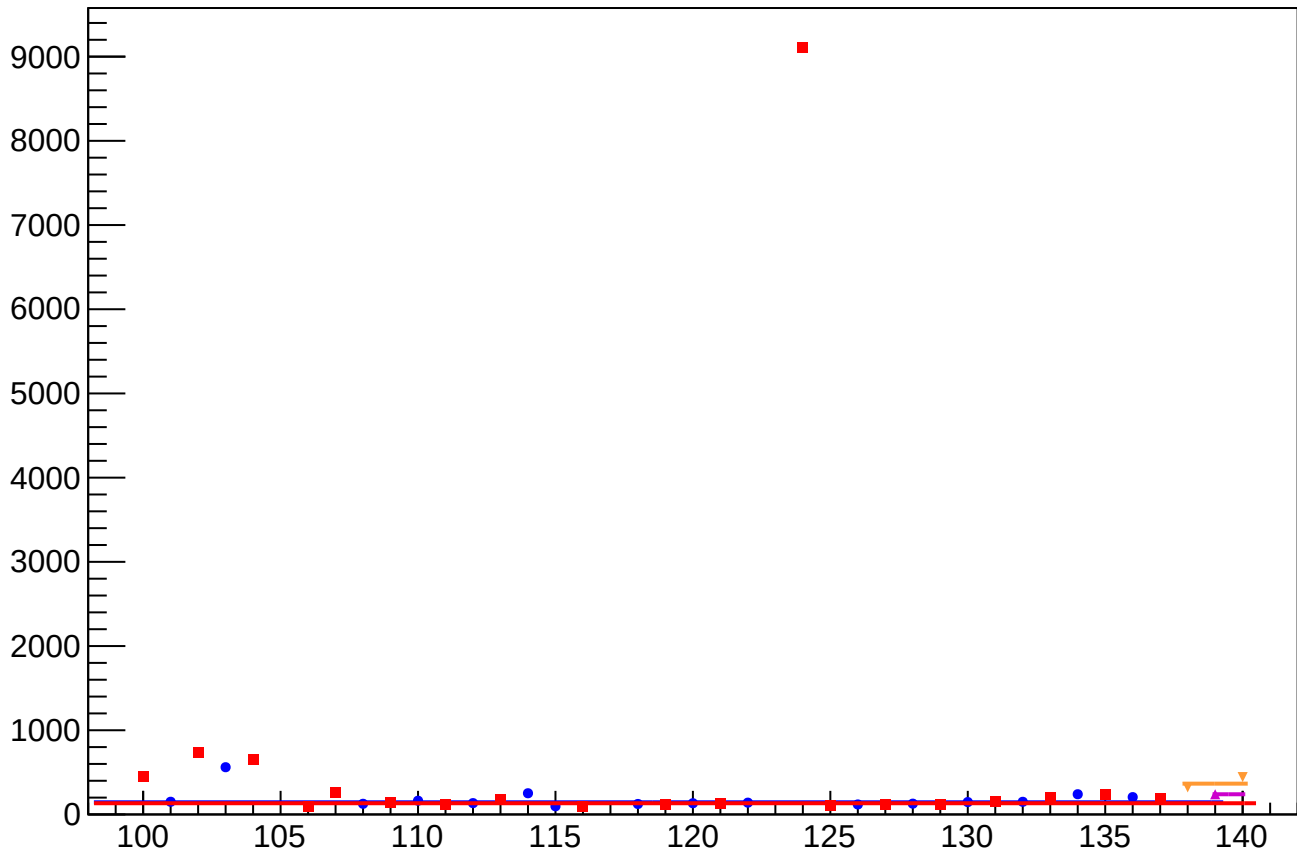
Left In: 0.548 ± 0.273 χ^2/NDF : 0.0/0

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.002 ± 0.040 χ^2/NDF : 44.8/37

- sign 0.012 ± 0.055 χ^2/NDF : 25.8/19

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289 $\pm$ 0.041 χ^2 /NDF: 1128804.3/15

Left Out: 365.842 $\pm$ 0.211 χ^2 /NDF: 77213.2/1

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220606.0/18

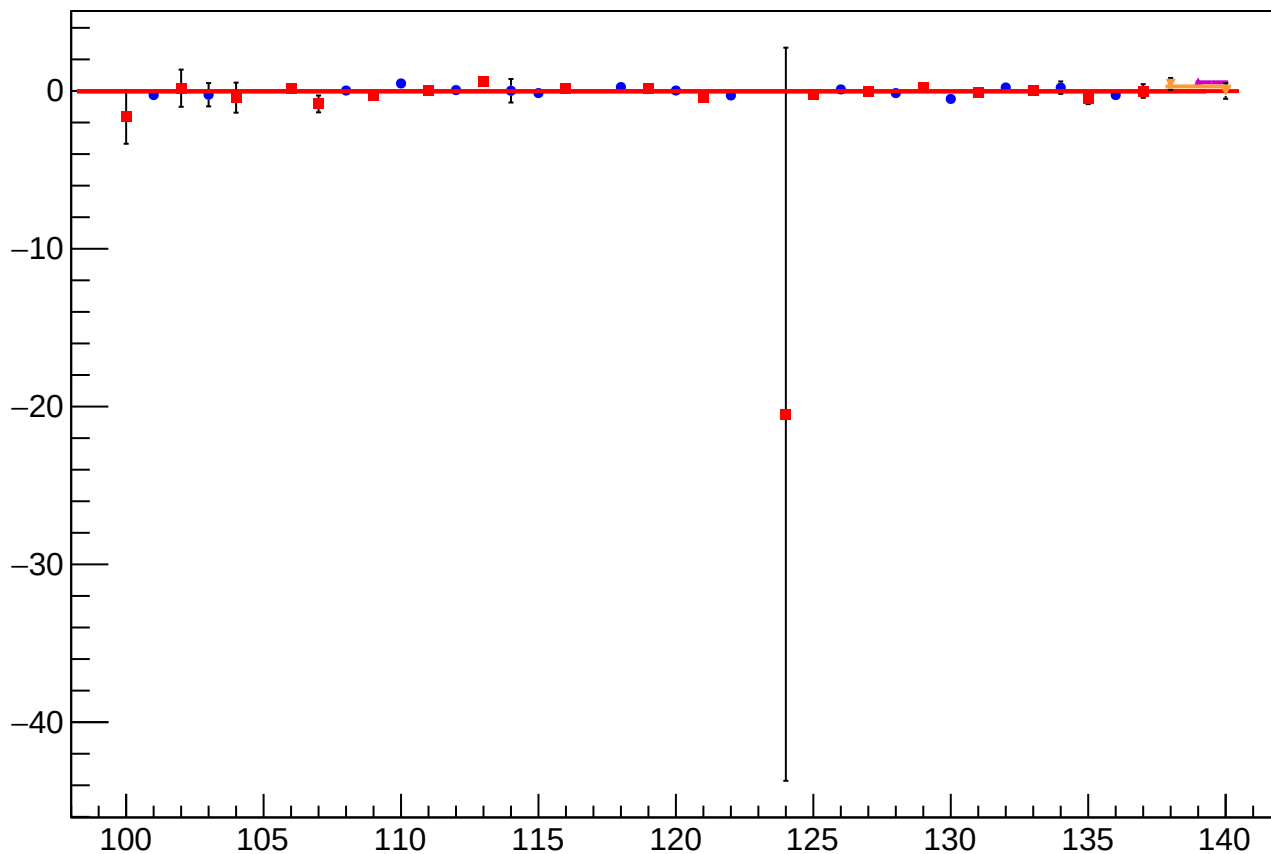
Left In: 239.817 $\pm$ 0.193 χ^2 /NDF: 0.0/0

+ sign 152.287 $\pm$ 0.040 χ^2 /NDF: 2265821.8/17

All: 144.773 $\pm$ 0.028 χ^2 /NDF: 4847146.5/37

- sign 137.634 $\pm$ 0.039 χ^2 /NDF: 2513003.8/19

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: 0.286 ± 0.299 χ^2/NDF : 0.5/1

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

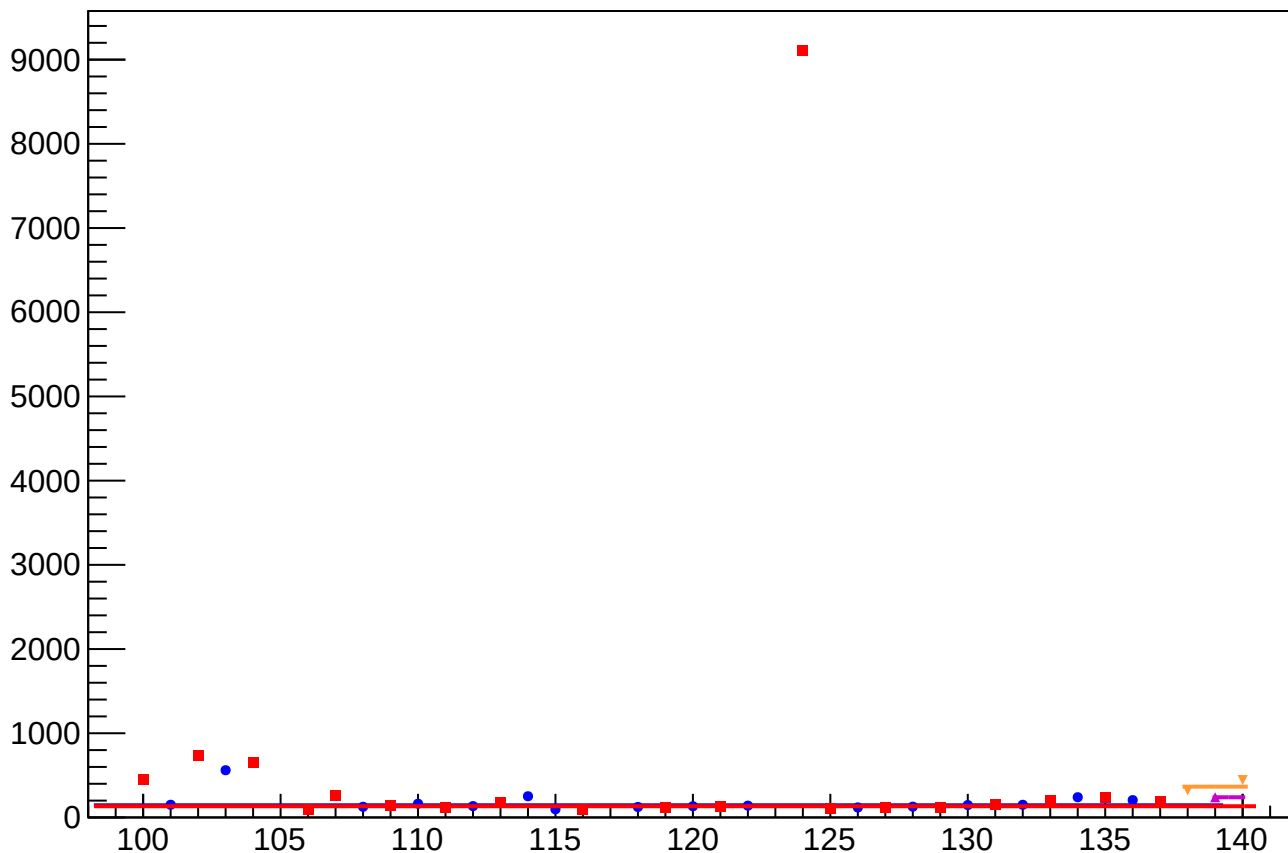
Left In: 0.548 ± 0.273 χ^2/NDF : 0.0/0

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.002 ± 0.040 χ^2/NDF : 44.8/37

- sign 0.012 ± 0.055 χ^2/NDF : 25.8/19

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289 $\pm$ 0.041 χ^2 /NDF: 1128804.3/15

Left Out: 365.842 $\pm$ 0.211 χ^2 /NDF: 77213.2/1

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220606.0/18

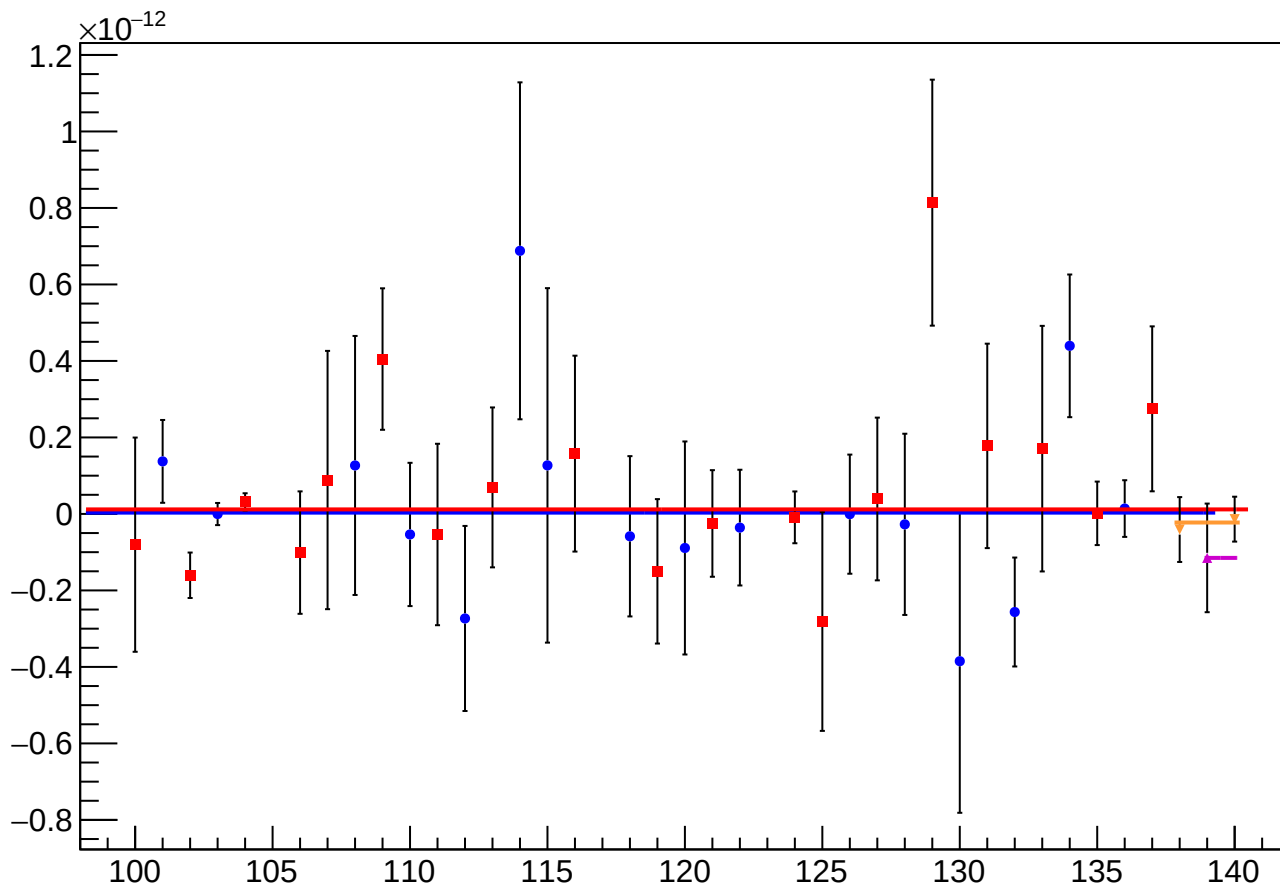
Left In: 239.817 $\pm$ 0.193 χ^2 /NDF: 0.0/0

+ sign 152.287 $\pm$ 0.040 χ^2 /NDF: 2265821.8/17

All: 144.773 $\pm$ 0.028 χ^2 /NDF: 4847146.5/37

- sign 137.634 $\pm$ 0.039 χ^2 /NDF: 2513003.8/19

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/18

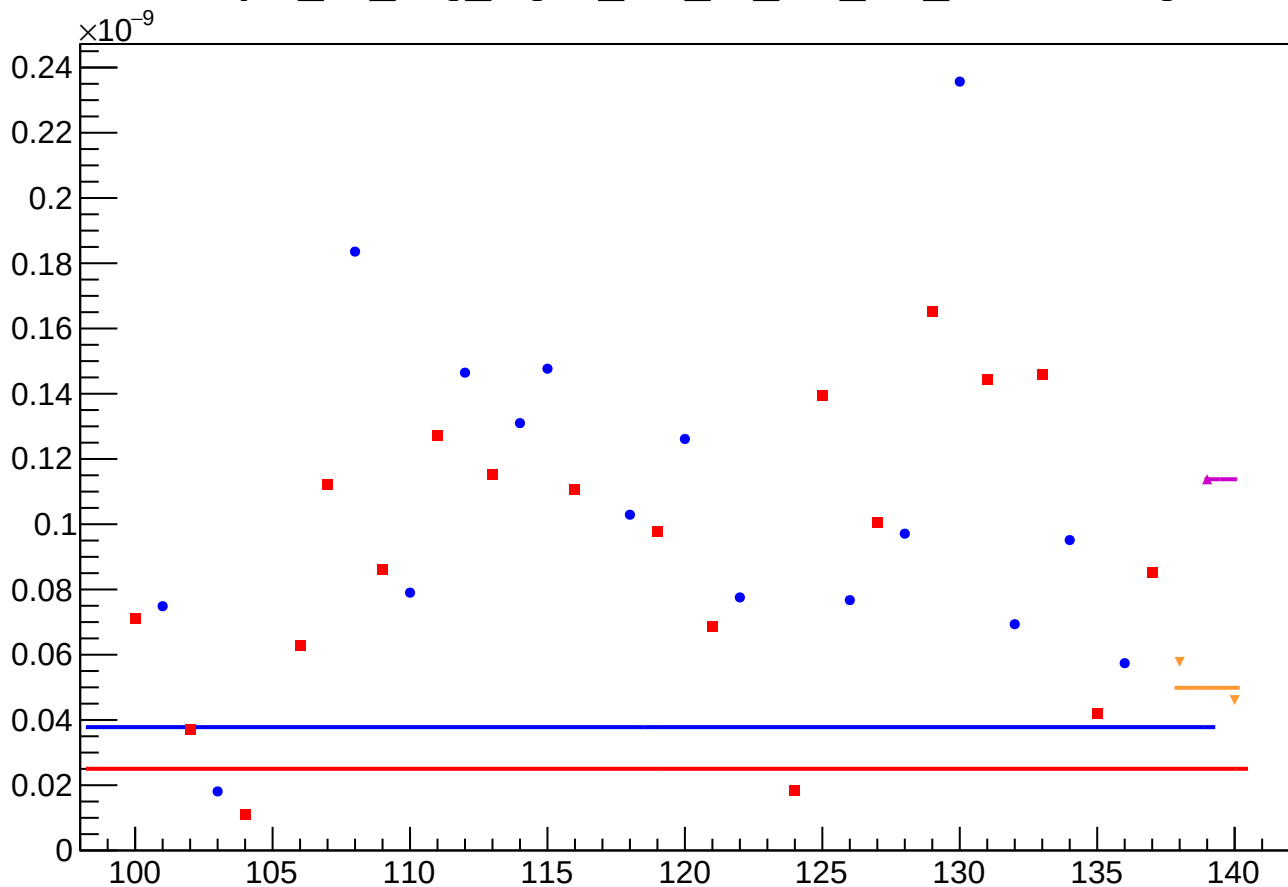
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/19

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3942675.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25800.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4701757.7/18

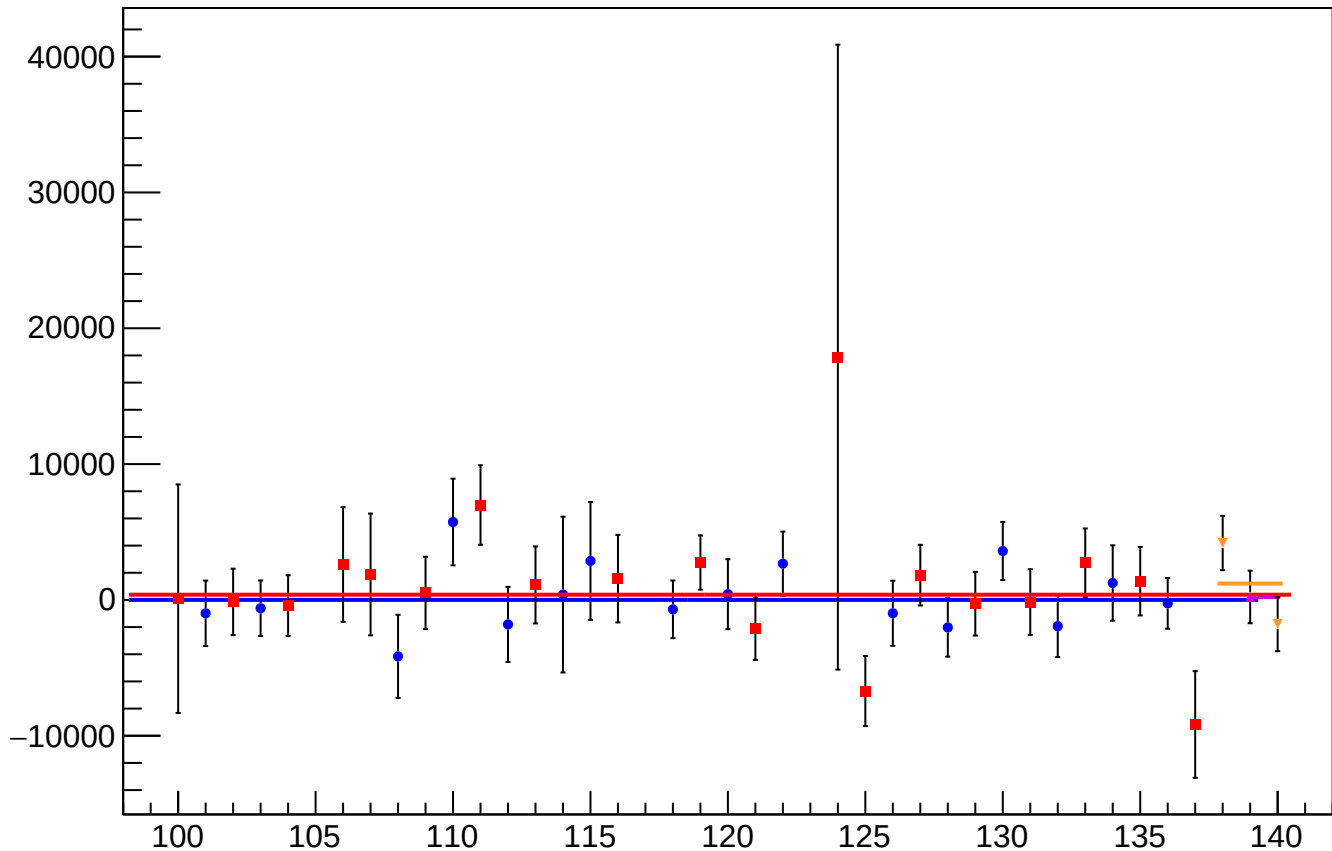
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4068827.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10006172.1/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5469890.3/19

reg_asym_atl_dd_mean vs Slug



Right In: 4.373 ± 619.905 χ^2/NDF : 12.4/15

Left Out: 1203.305 ± 1413.676 χ^2/NDF : 4.5/1

Right Out: 384.758 ± 633.682 χ^2/NDF : 24.1/18

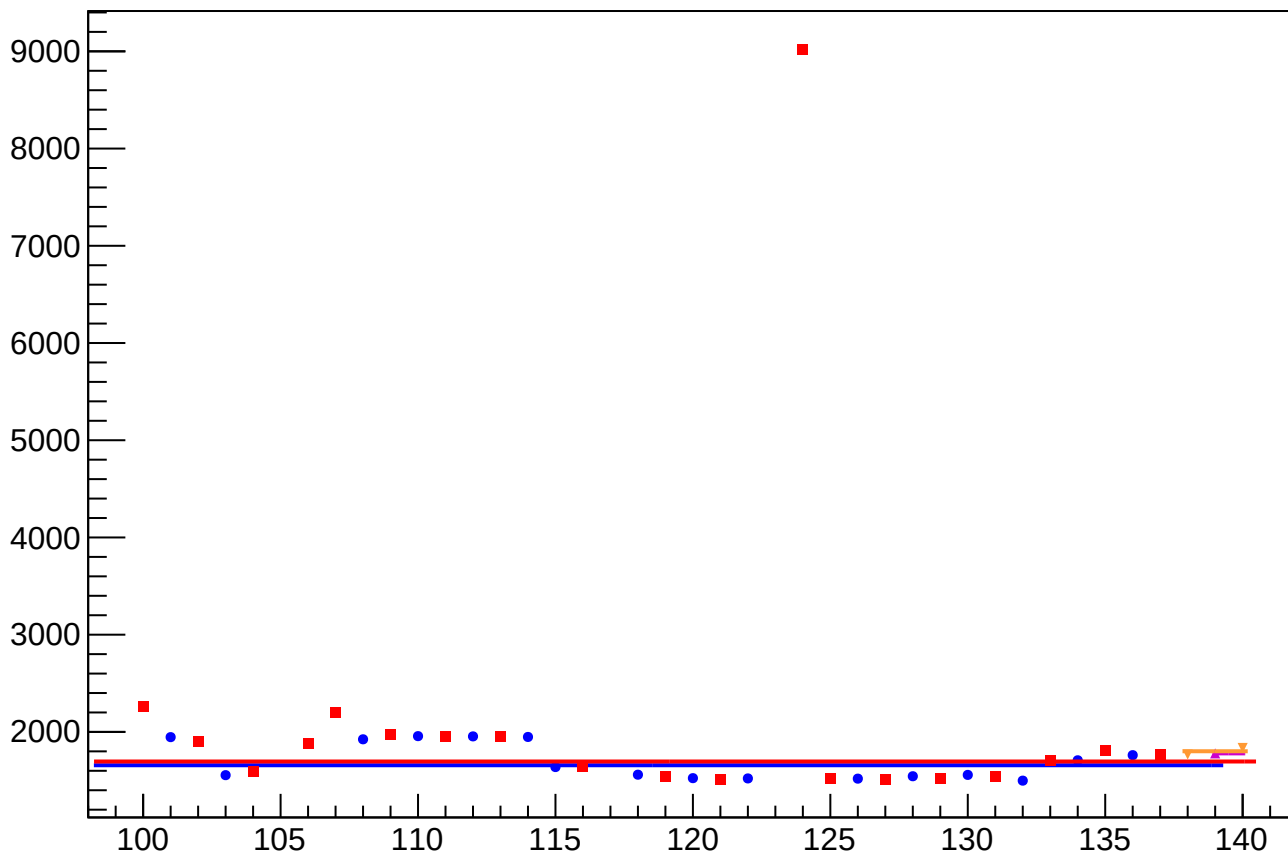
Left In: 217.280 ± 1934.561 χ^2/NDF : 0.0/0

+ sign 197.732 ± 567.721 χ^2/NDF : 17.5/17

All: 278.102 ± 413.090 χ^2/NDF : 41.6/37

- sign 368.529 ± 602.199 χ^2/NDF : 24.1/19

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.4/15

Left Out: 1801.034+/-1.000 χ^2/NDF : 1149.7/1

Right Out: 1695.649+/-0.446 χ^2/NDF : 386216.2/18

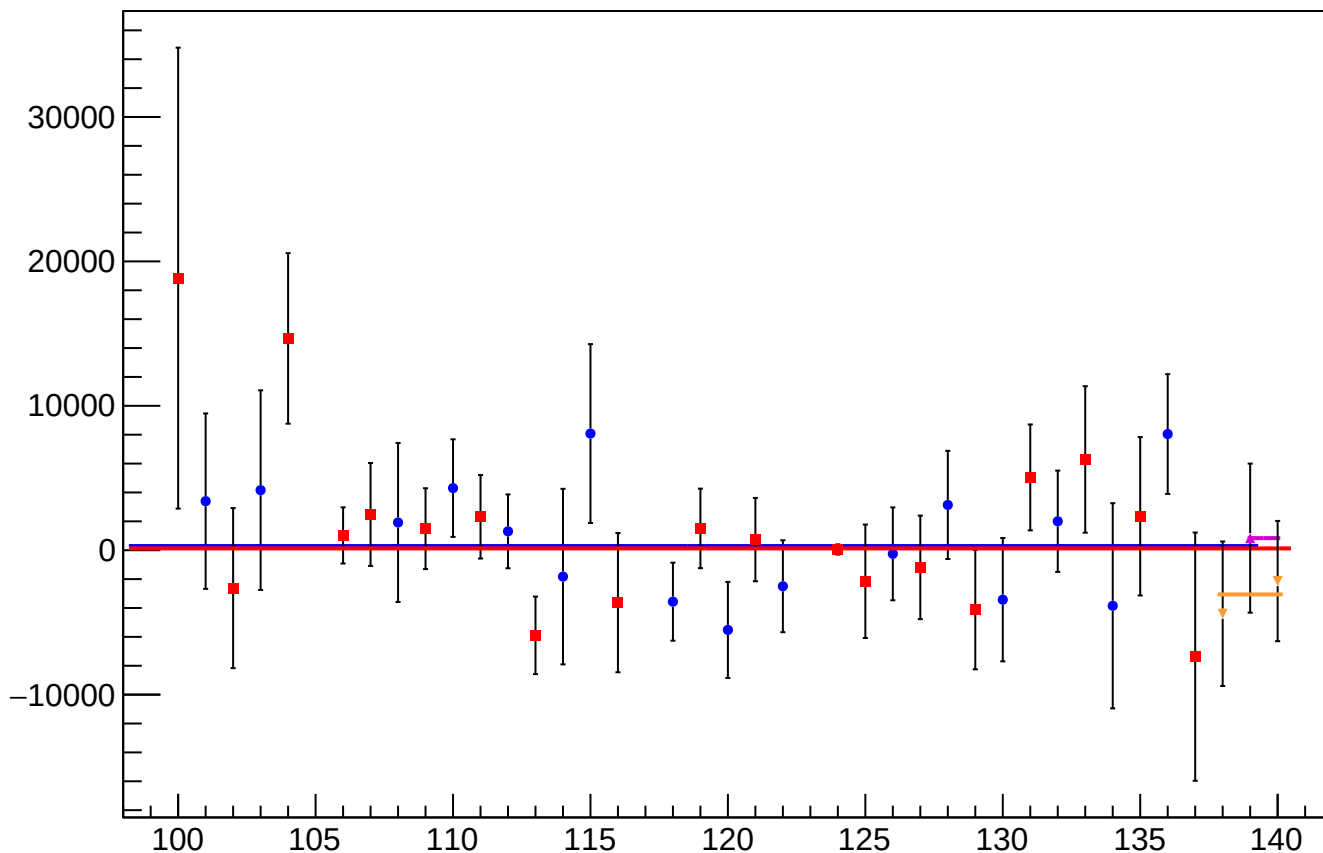
Left In: 1779.203+/-1.368 χ^2/NDF : 0.0/0

+ sign 1680.329+/-0.401 χ^2/NDF : 162516.5/17

All: 1691.364+/-0.292 χ^2/NDF : 553703.9/37

- sign 1703.678+/-0.424 χ^2/NDF : 389588.5/19

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262 ± 961.071 $\chi^2/\text{NDF}: 15.2/15$

Left Out: -3060.516 ± 3200.722 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 125.586 ± 323.715 $\chi^2/\text{NDF}: 20.8/18$

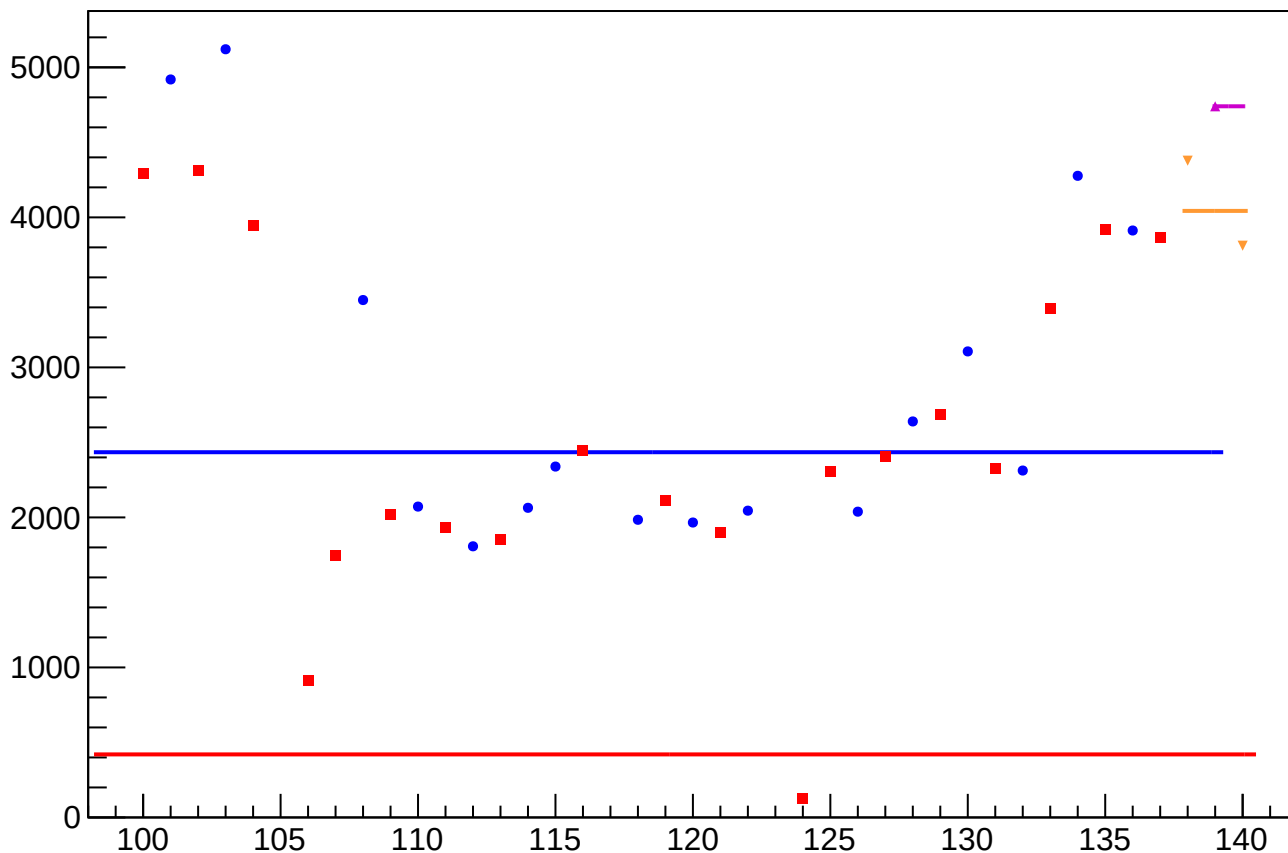
Left In: 837.211 ± 5160.968 $\chi^2/\text{NDF}: 0.0/0$

+ sign 12.223 ± 920.471 $\chi^2/\text{NDF}: 16.3/17$

All: 115.635 ± 304.847 $\chi^2/\text{NDF}: 37.2/37$

- sign 128.375 ± 323.080 $\chi^2/\text{NDF}: 20.9/19$

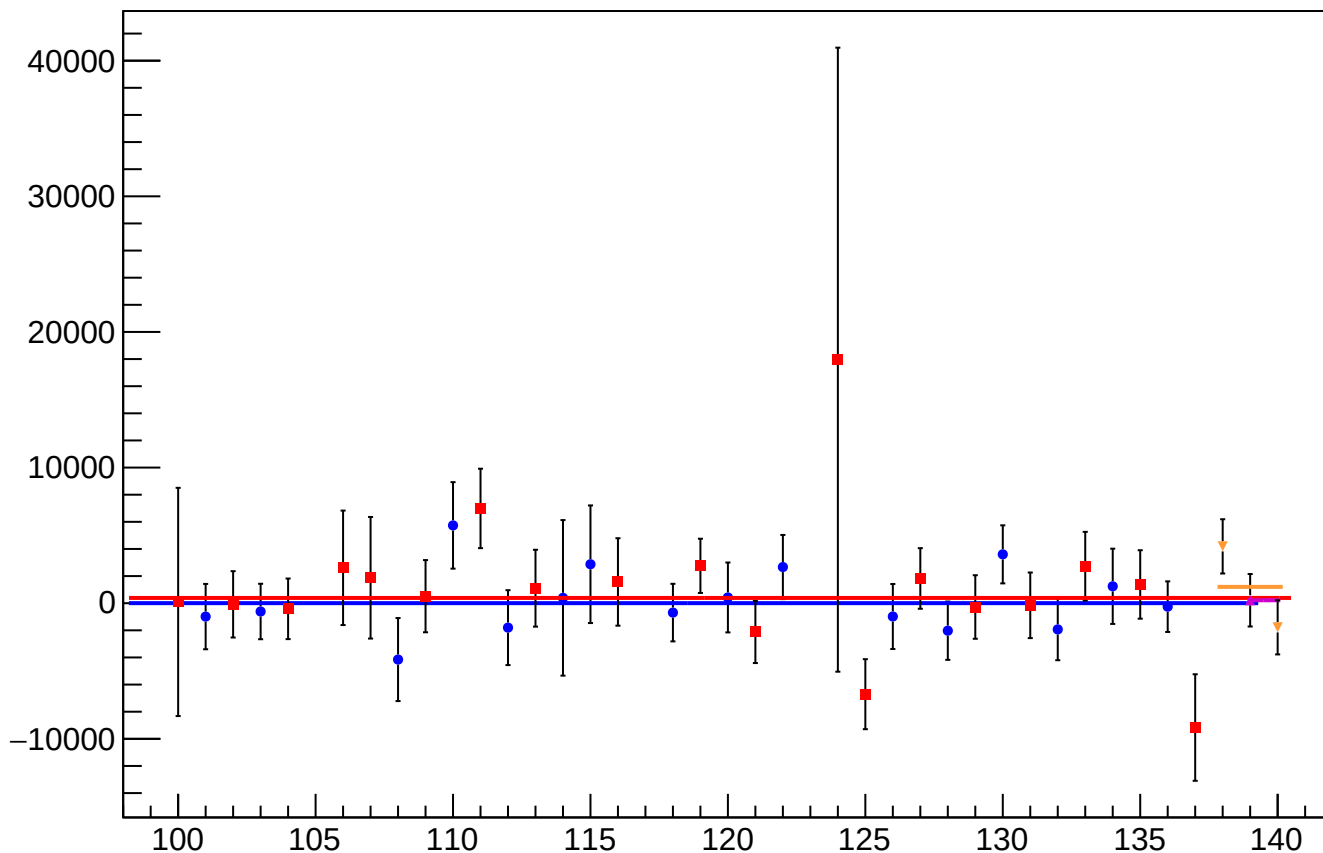
asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593 $\pm$ 0.680 χ^2 /NDF: 1457721.5/15
 Left Out: 4043.115 $\pm$ 2.263 χ^2 /NDF:15157.3/1
 Right Out: 420.292 $\pm$ 0.229 χ^2 /NDF: 11063973.9/18
 Left In: 4740.463 $\pm$ 3.649 χ^2 /NDF:0.0/0

+ sign 2567.624 $\pm$ 0.651 χ^2 /NDF: 1936216.9/17
 All: 670.893 $\pm$ 0.216 χ^2 /NDF: 23934548.3/37
 - sign 437.222 $\pm$ 0.228 χ^2 /NDF: 12459905.5/19

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF : 12.4/15

Left Out: 1203.178+/-1413.676 χ^2/NDF : 4.5/1

Right Out: 389.054+/-633.688 χ^2/NDF : 24.0/18

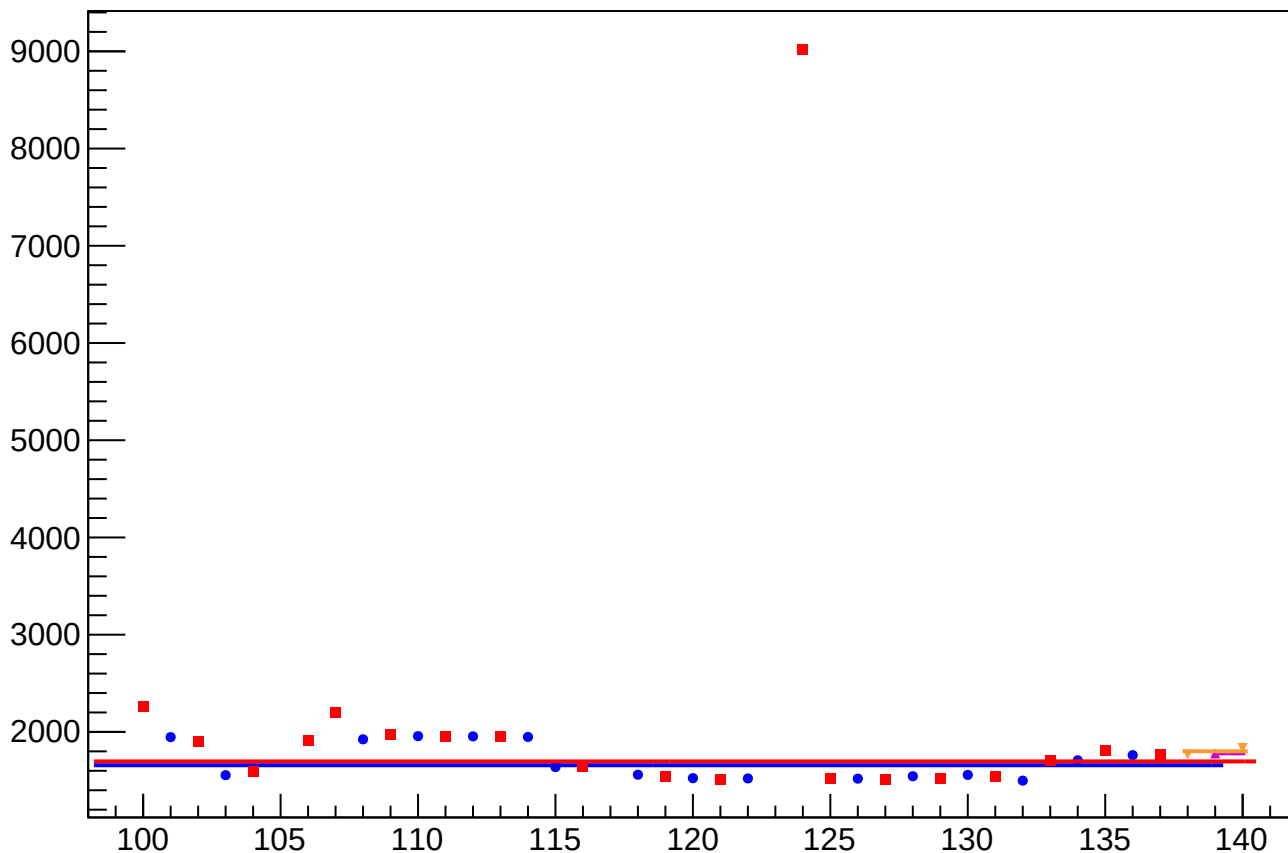
Left In: 216.866+/-1934.561 χ^2/NDF : 0.0/0

+ sign 197.646+/-567.721 χ^2/NDF : 17.5/17

All: 279.862+/-413.092 χ^2/NDF : 41.6/37

- sign 372.369+/-602.204 χ^2/NDF : 24.1/19

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF : 1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF : 387974.4/18

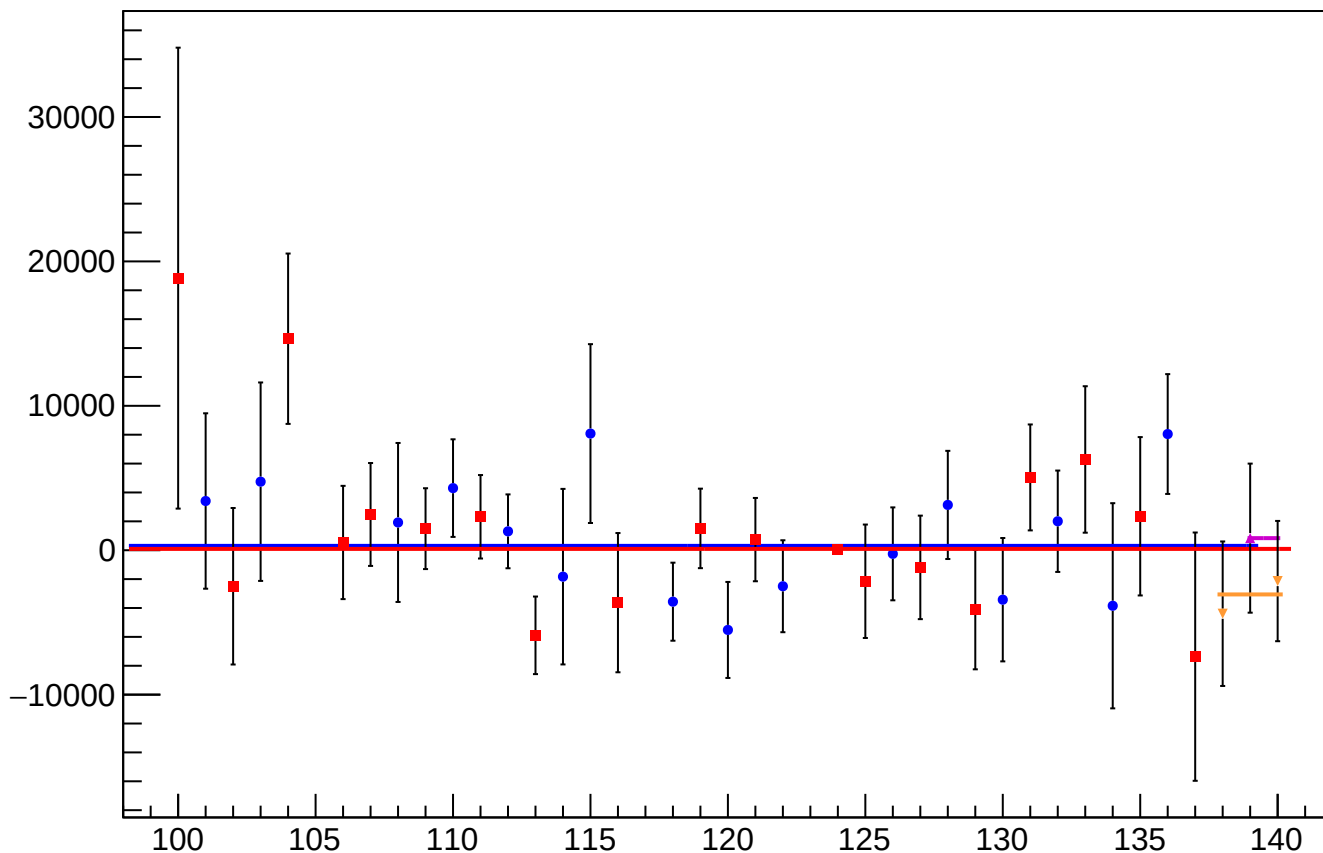
Left In: 1779.203+/-1.368 χ^2/NDF : 0.0/0

+ sign 1680.329+/-0.401 χ^2/NDF : 162516.6/17

All: 1691.701+/-0.292 χ^2/NDF : 555498.1/37

- sign 1704.402+/-0.424 χ^2/NDF : 391282.7/19

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF : 15.3/15

Left Out: -3060.650+/-3200.720 χ^2/NDF : 0.1/1

Right Out: 92.243+/-315.757 χ^2/NDF : 20.6/18

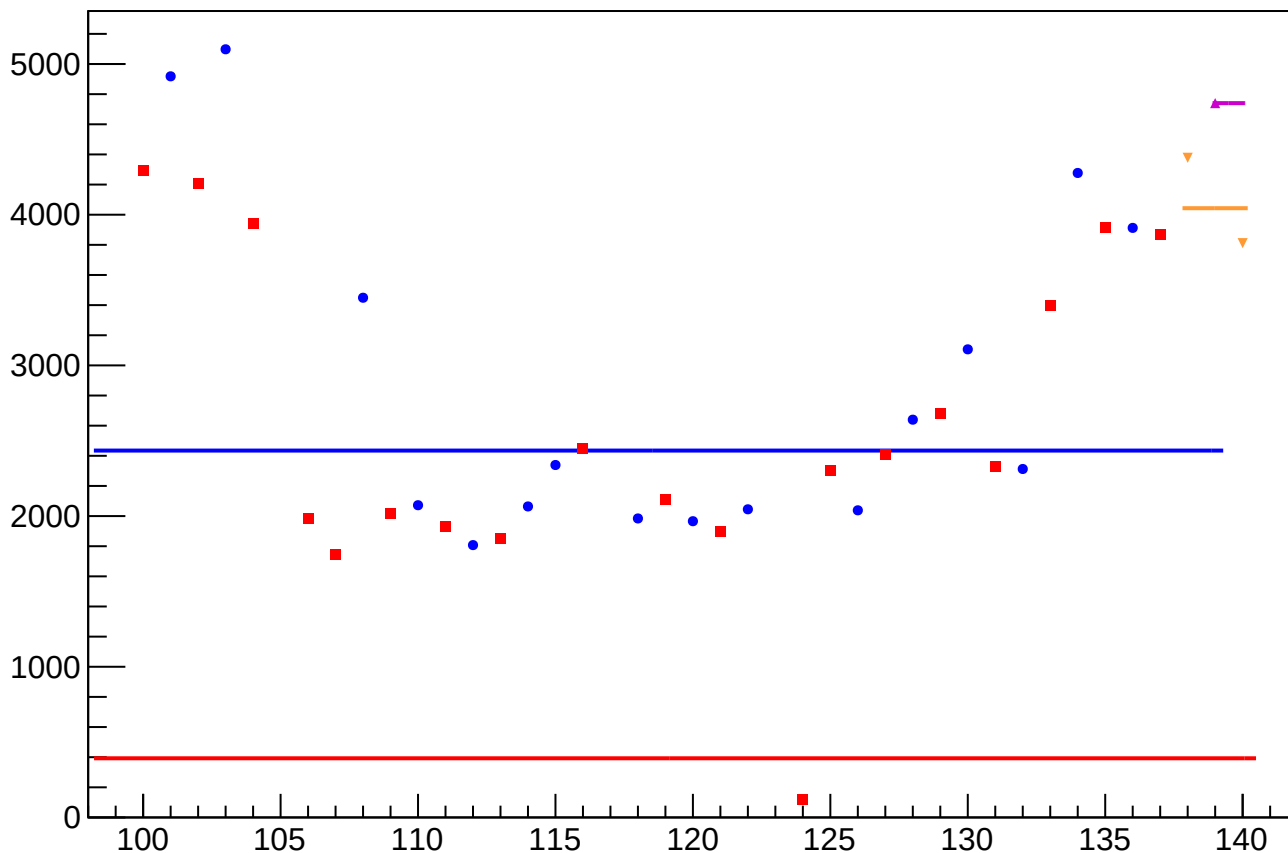
Left In: 837.122+/-5160.953 χ^2/NDF : 0.0/0

+ sign 23.811+/-920.367 χ^2/NDF : 16.5/17

All: 87.547+/-298.170 χ^2/NDF : 37.1/37

- sign 95.021+/-315.168 χ^2/NDF : 20.6/19

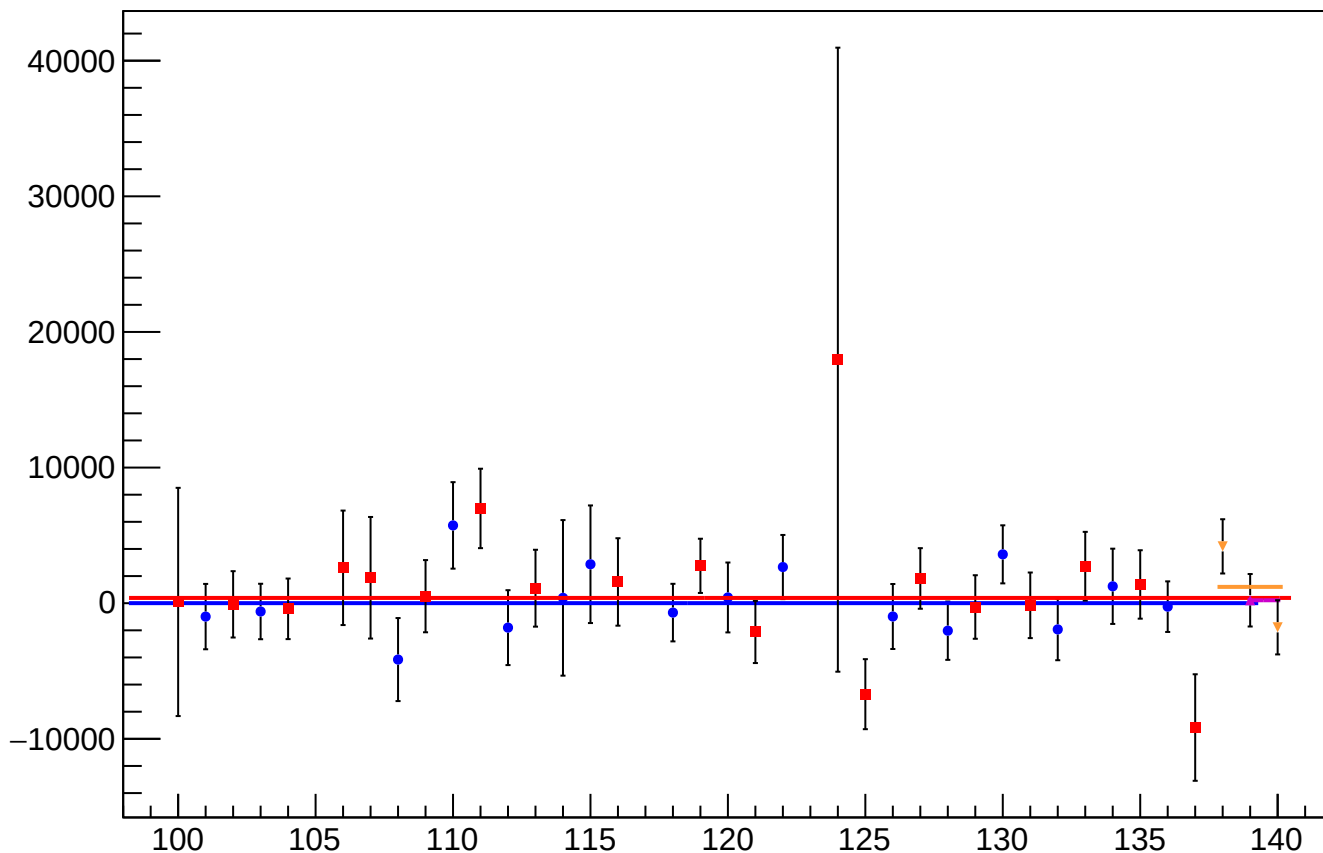
asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758 $\pm$ 0.679 χ^2 /NDF: 1456027.7/15
 Left Out: 4043.113 $\pm$ 2.263 χ^2 /NDF:15156.8/1
 Right Out: 392.666 $\pm$ 0.223 χ^2 /NDF: 11408006.3/18
 Left In: 4740.449 $\pm$ 3.649 χ^2 /NDF:0.0/0

+ sign 2567.745 $\pm$ 0.651 χ^2 /NDF: 1934435.6/17
 All: 635.465 $\pm$ 0.211 χ^2 /NDF: 24605809.7/37
 - sign 408.880 $\pm$ 0.223 χ^2 /NDF: 12822116.9/19

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295 $\pm$ 619.905 χ^2/NDF : 12.4/15

Left Out: 1203.178 $\pm$ 1413.676 χ^2/NDF : 4.5/1

Right Out: 389.054 $\pm$ 633.688 χ^2/NDF : 24.0/18

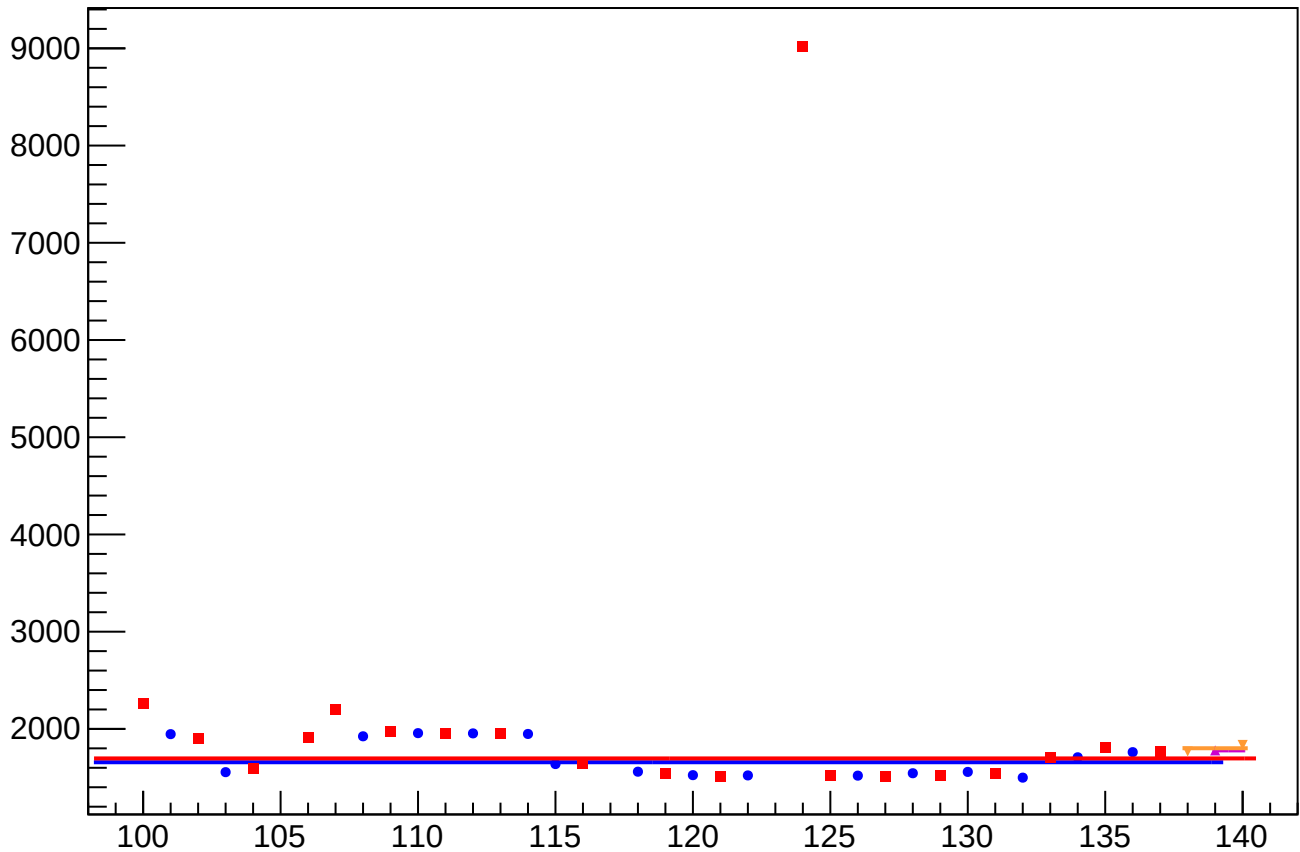
Left In: 216.866 $\pm$ 1934.561 χ^2/NDF : 0.0/0

+ sign 197.646 $\pm$ 567.721 χ^2/NDF : 17.5/17

All: 279.862 $\pm$ 413.092 χ^2/NDF : 41.6/37

- sign 372.369 $\pm$ 602.204 χ^2/NDF : 24.1/19

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF :1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF : 387974.4/18

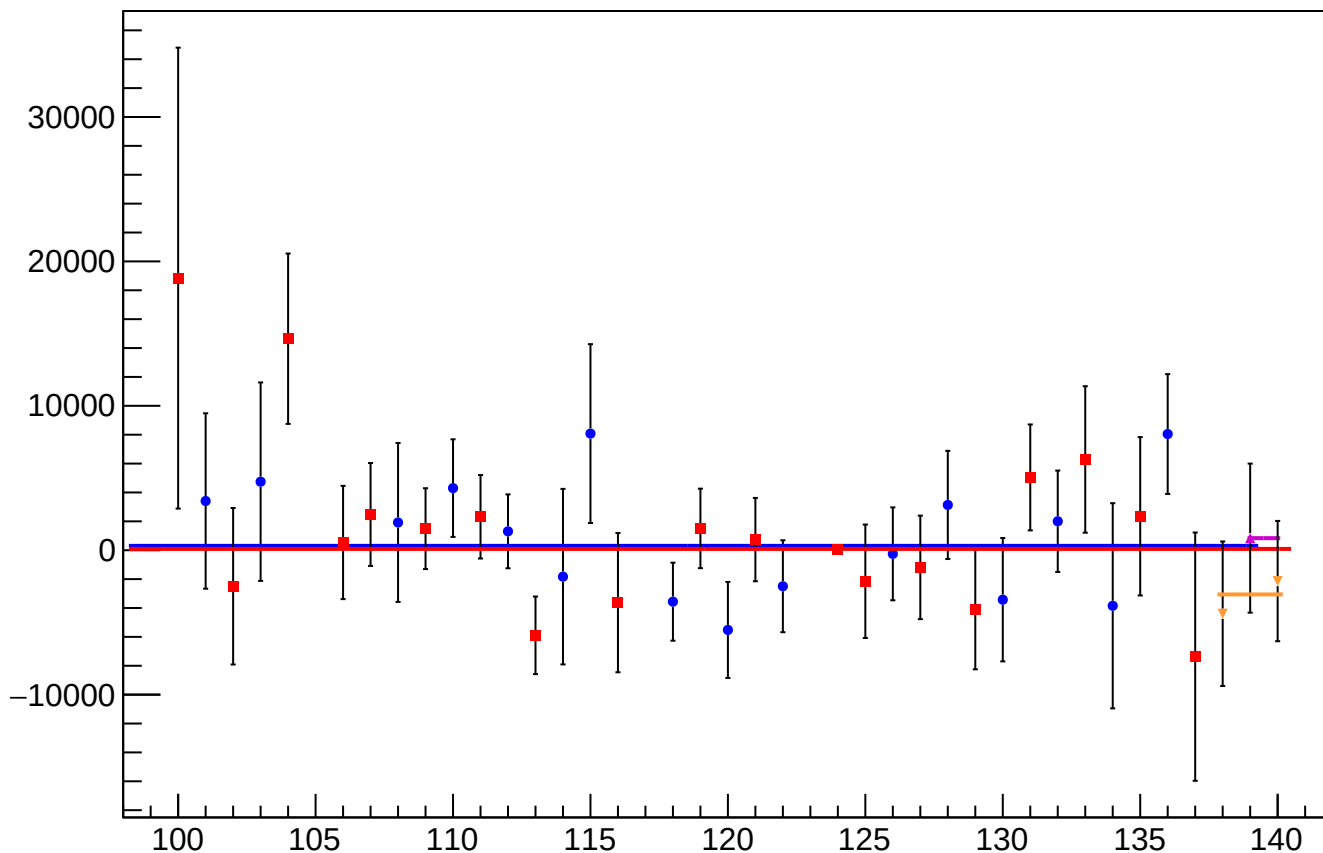
Left In: 1779.203+/-1.368 χ^2/NDF :0.0/0

+ sign 1680.329+/-0.401 χ^2/NDF : 162516.6/17

All: 1691.701+/-0.292 χ^2/NDF : 555498.1/37

- sign 1704.402+/-0.424 χ^2/NDF : 391282.7/19

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF : 15.3/15

Left Out: -3060.650+/-3200.720 χ^2/NDF : 0.1/1

Right Out: 92.243+/-315.757 χ^2/NDF : 20.6/18

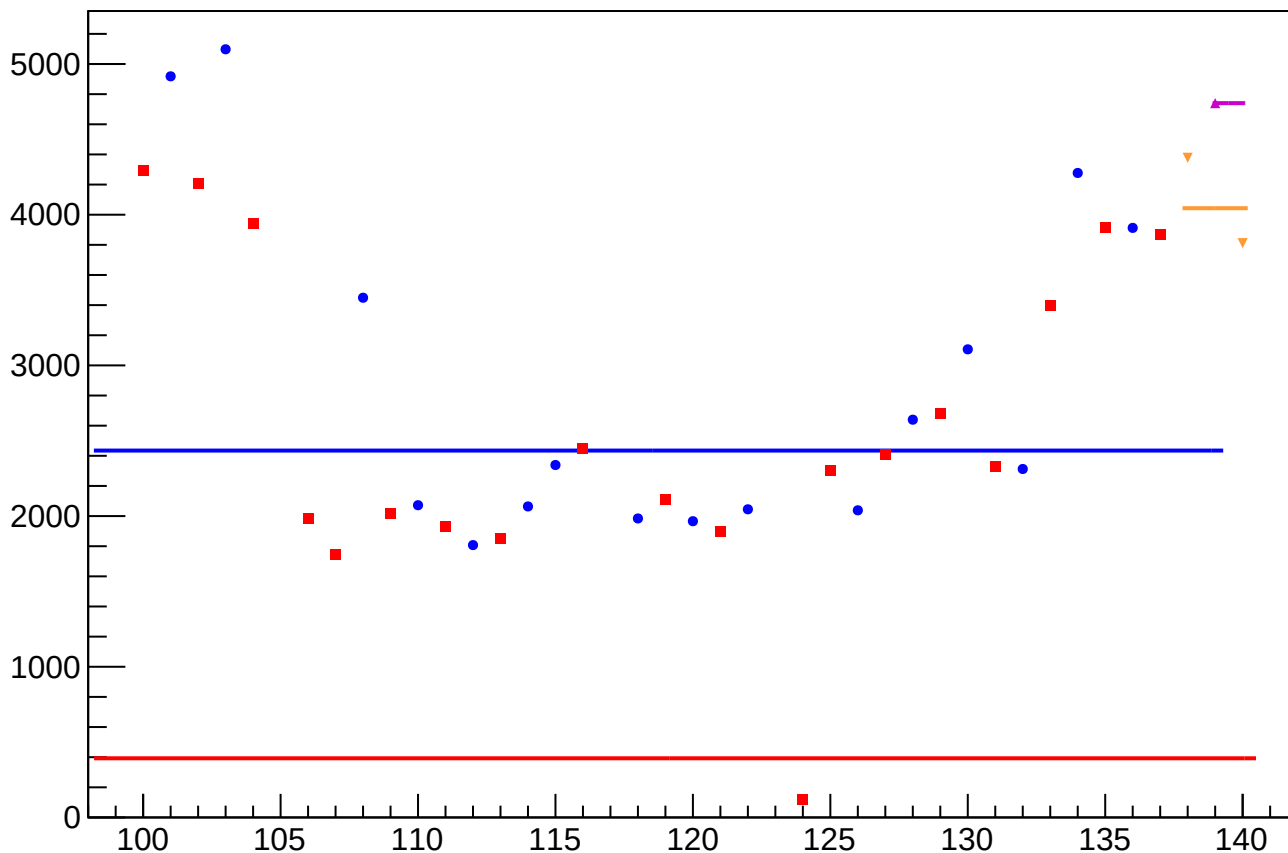
Left In: 837.122+/-5160.953 χ^2/NDF : 0.0/0

+ sign 23.811+/-920.367 χ^2/NDF : 16.5/17

All: 87.547+/-298.170 χ^2/NDF : 37.1/37

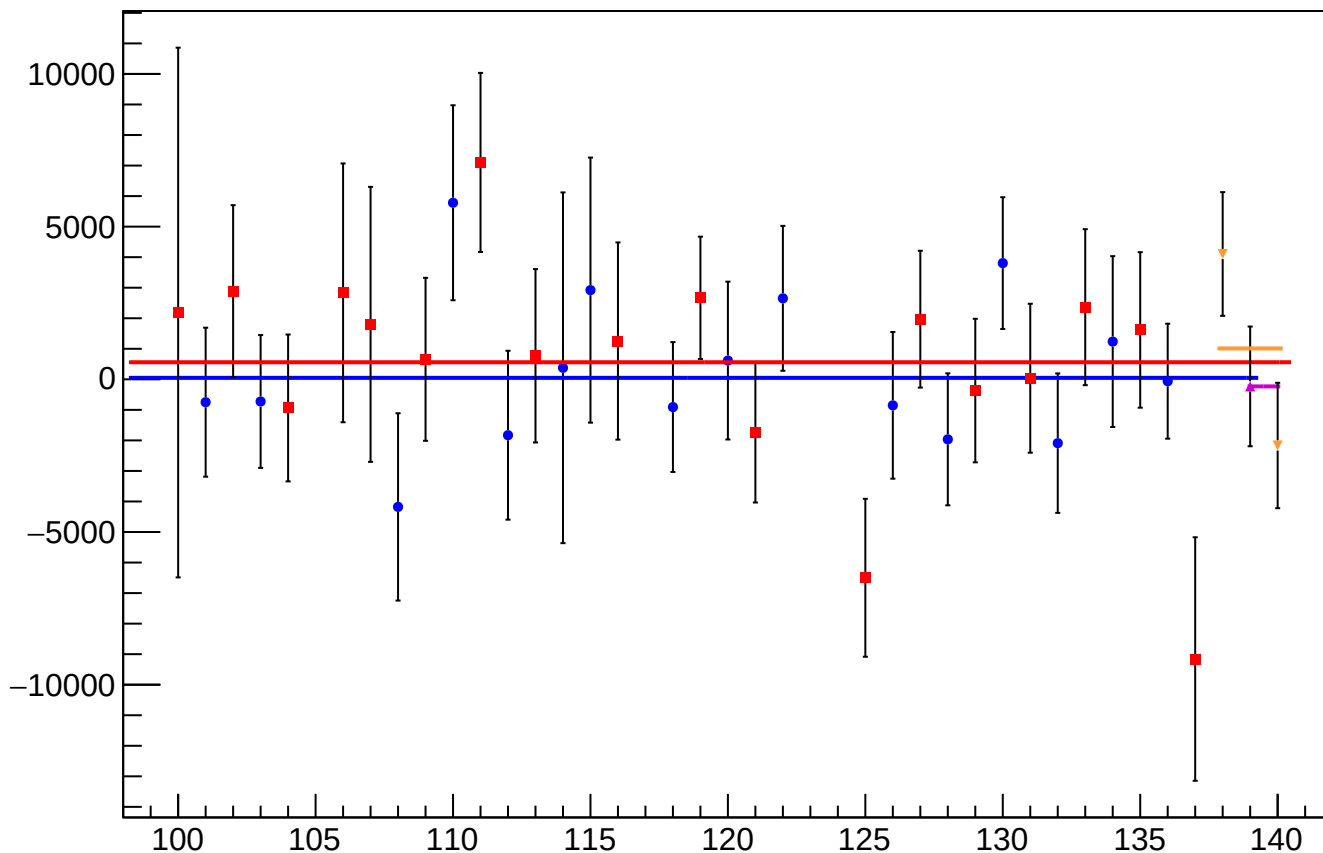
- sign 95.021+/-315.168 χ^2/NDF : 20.6/19

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679	χ^2/NDF : 1456027.7/15	+ sign 2567.745+/-0.651	χ^2/NDF : 1934435.6/17
Left Out: 4043.113+/-2.263	χ^2/NDF : 15156.8/1		
Right Out: 392.666+/-0.223	χ^2/NDF : 11408006.3/18	All: 635.465+/-0.211	χ^2/NDF : 24605809.7/37
Left In: 4740.449+/-3.649	χ^2/NDF : 0.0/0	- sign 408.880+/-0.223	χ^2/NDF : 12822116.9/19

dit_asym_atl_dd_mean vs Slug



Right In: 48.331 ± 626.151 χ^2/NDF : 12.8/15

Left Out: 1010.751 ± 1441.820 χ^2/NDF : 4.7/1

Right Out: 559.598 ± 645.291 χ^2/NDF : 23.3/17

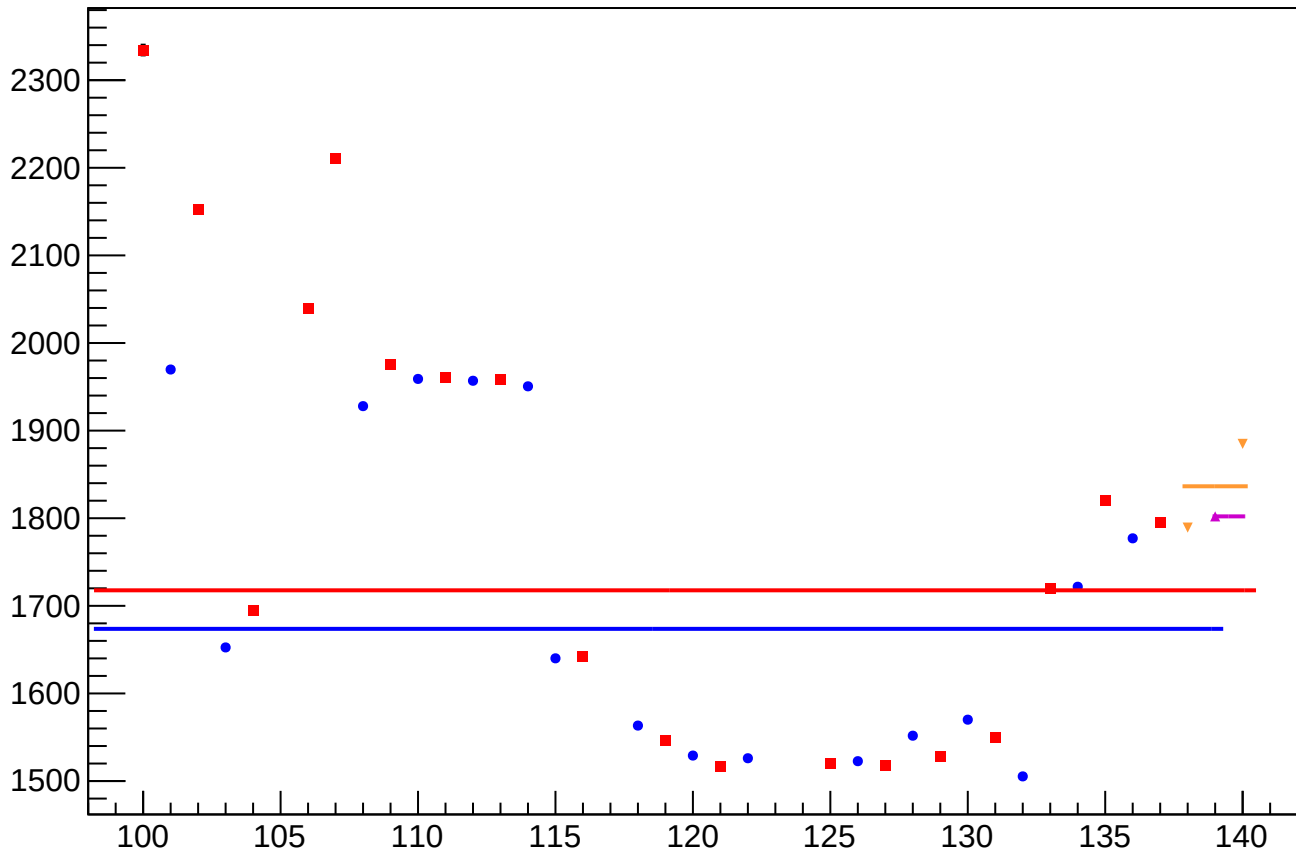
Left In: -231.534 ± 1960.092 χ^2/NDF : 0.0/0

+ sign 201.041 ± 574.330 χ^2/NDF : 17.9/17

All: 332.507 ± 419.095 χ^2/NDF : 41.5/36

- sign 482.238 ± 612.930 χ^2/NDF : 23.4/18

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF : 140873.1/15

Left Out: 1836.455+/-1.020 χ^2/NDF : 2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF : 227642.0/17

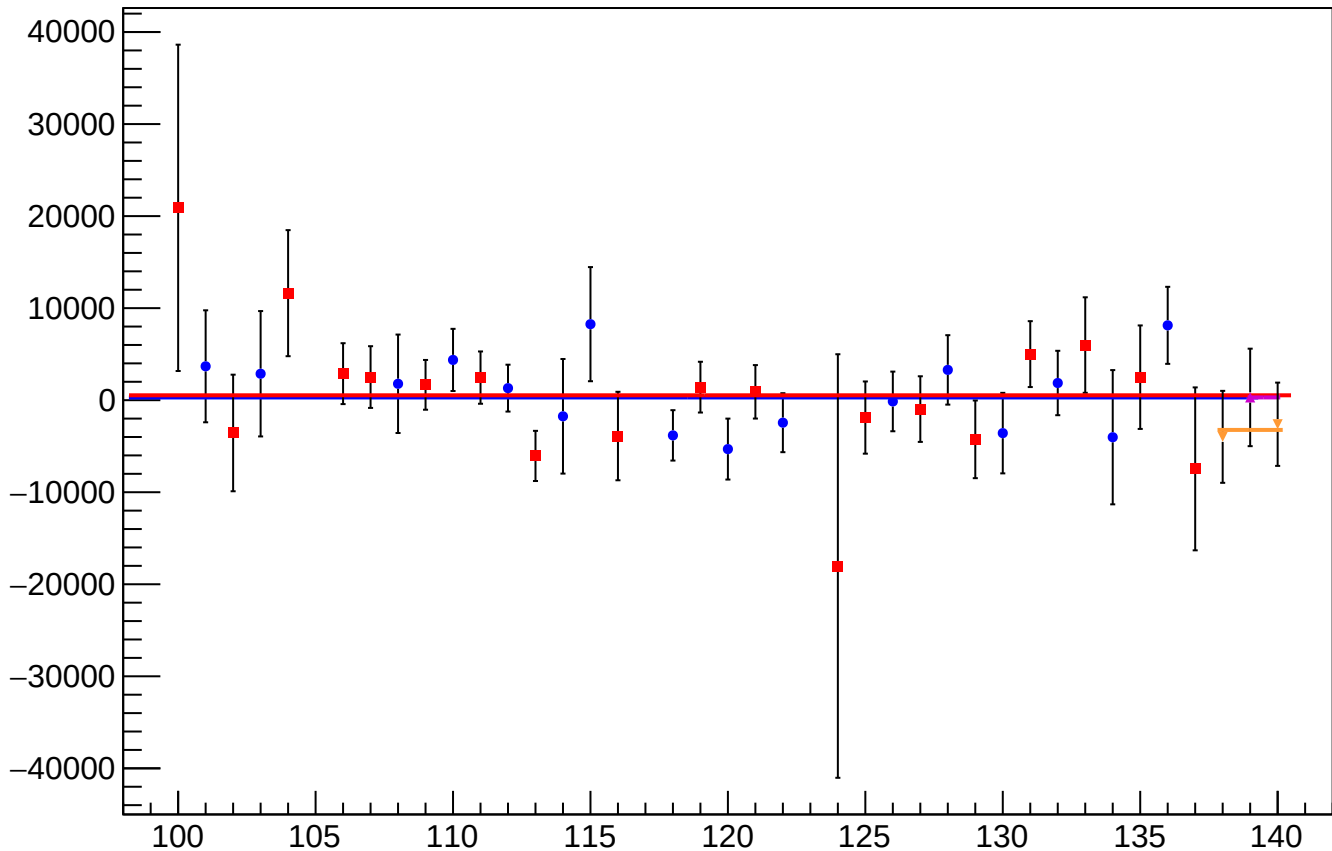
Left In: 1802.113+/-1.386 χ^2/NDF : 0.0/0

+ sign 1699.549+/-0.406 χ^2/NDF : 164502.8/17

All: 1711.911+/-0.296 χ^2/NDF : 397469.4/36

- sign 1725.932+/-0.433 χ^2/NDF : 230989.1/18

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517 $\pm$ 964.677 χ^2 /NDF: 15.3/15

Left Out: -3231.269 $\pm$ 3353.426 χ^2 /NDF:0.0/1

Right Out: 531.007 $\pm$ 883.969 χ^2 /NDF: 18.8/18

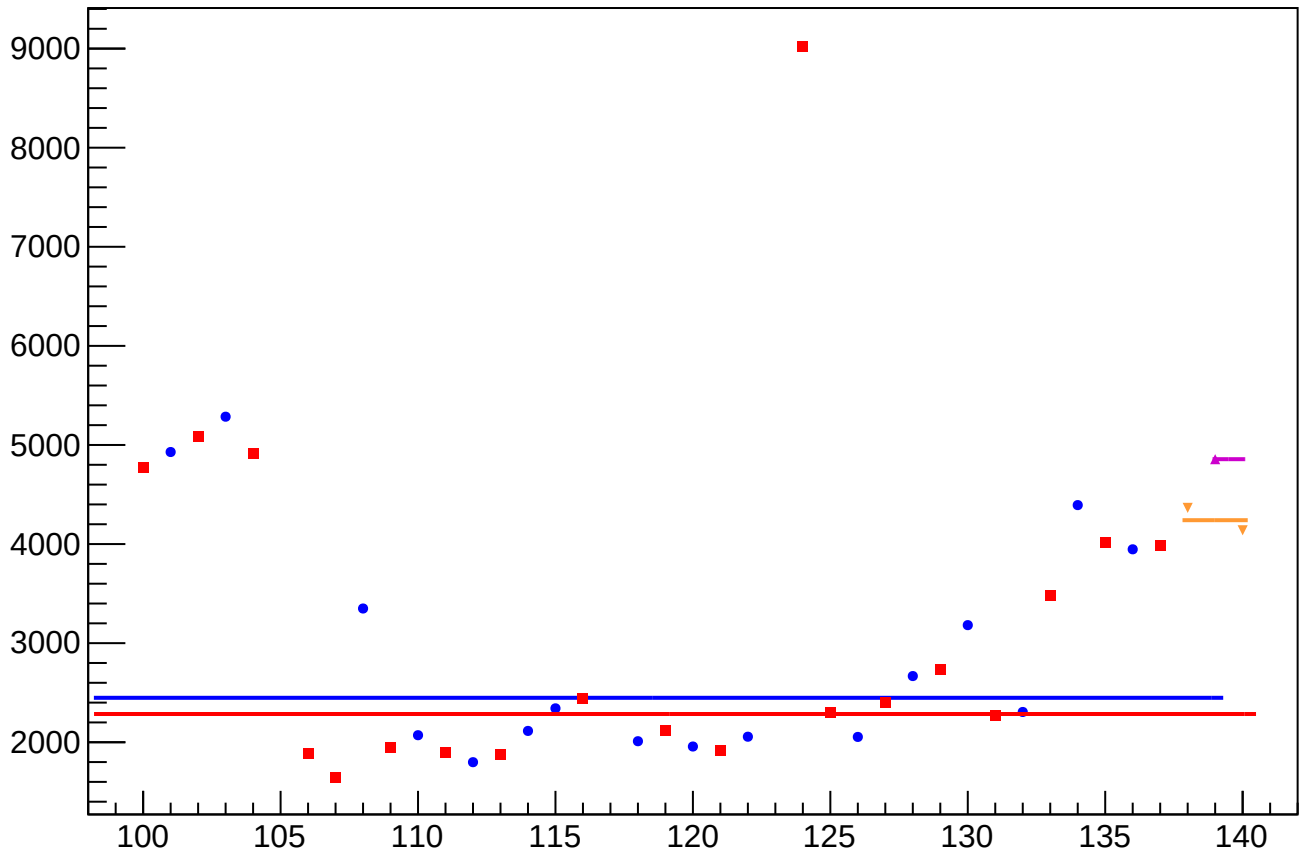
Left In: 300.529 $\pm$ 5296.212 χ^2 /NDF:0.0/0

+ sign 26.892 $\pm$ 927.080 χ^2 /NDF: 16.3/17

All: 291.081 $\pm$ 635.141 χ^2 /NDF: 35.2/37

- sign 524.760 $\pm$ 871.908 χ^2 /NDF: 18.8/19

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF : 1517585.7/15

Left Out: 4240.934+/-2.371 χ^2/NDF : 2253.8/1

Right Out: 2285.075+/-0.625 χ^2/NDF : 1548819.2/18

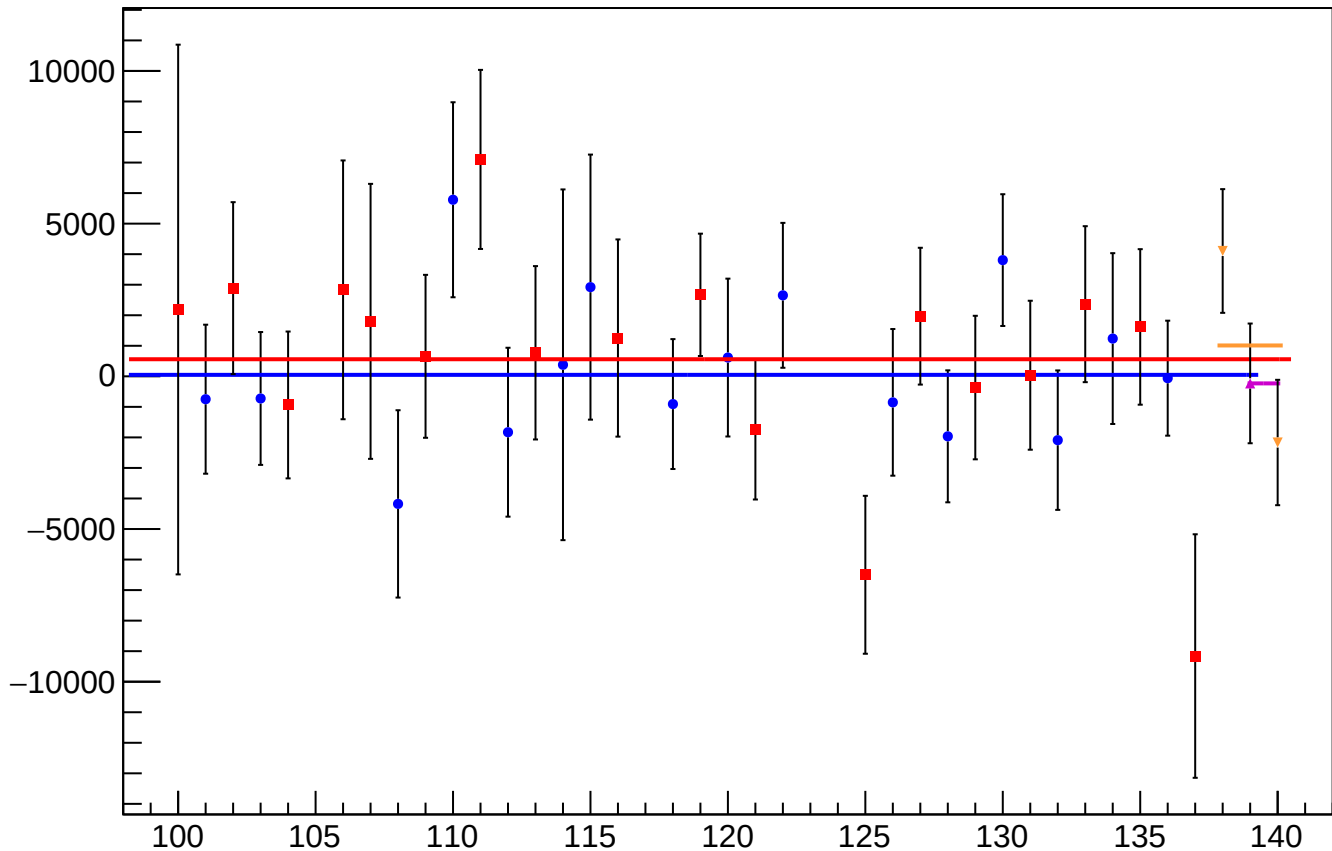
Left In: 4856.603+/-3.745 χ^2/NDF : 0.0/0

+ sign 2585.584+/-0.656 χ^2/NDF : 2047508.6/17

All: 2463.105+/-0.449 χ^2/NDF : 4120833.5/37

- sign 2354.770+/-0.617 χ^2/NDF : 2007540.7/19

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF : 12.8/15

Left Out: 1010.742+/-1441.821 χ^2/NDF : 4.7/1

Right Out: 559.600+/-645.291 χ^2/NDF : 23.3/17

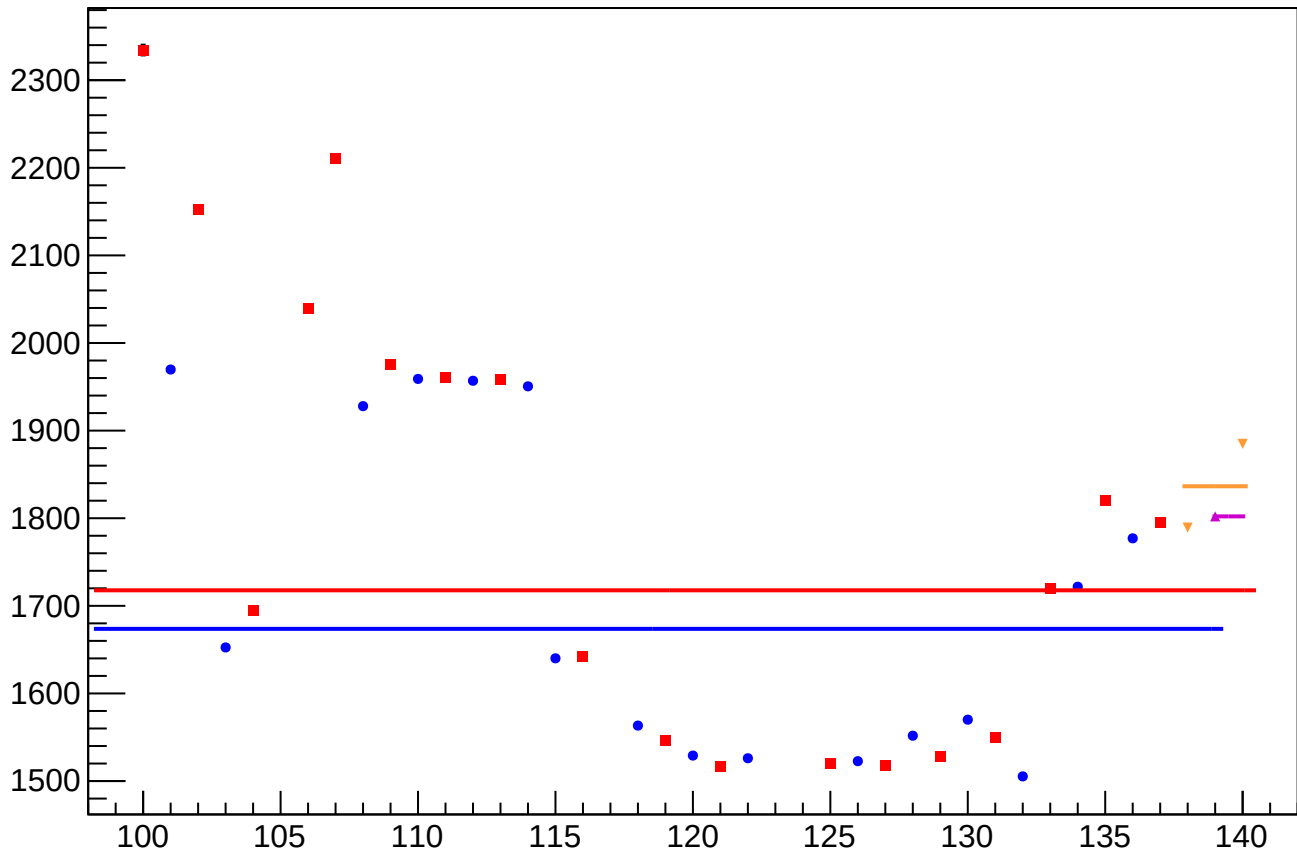
Left In: -231.530+/-1960.093 χ^2/NDF : 0.0/0

+ sign 201.037+/-574.330 χ^2/NDF : 17.9/17

All: 332.506+/-419.095 χ^2/NDF : 41.5/36

- sign 482.240+/-612.930 χ^2/NDF : 23.4/18

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728 +/- 0.443 χ^2/NDF : 140873.1/15

Left Out: 1836.456 +/- 1.020 χ^2/NDF : 2196.3/1

Right Out: 1717.713 +/- 0.455 χ^2/NDF : 227641.3/17

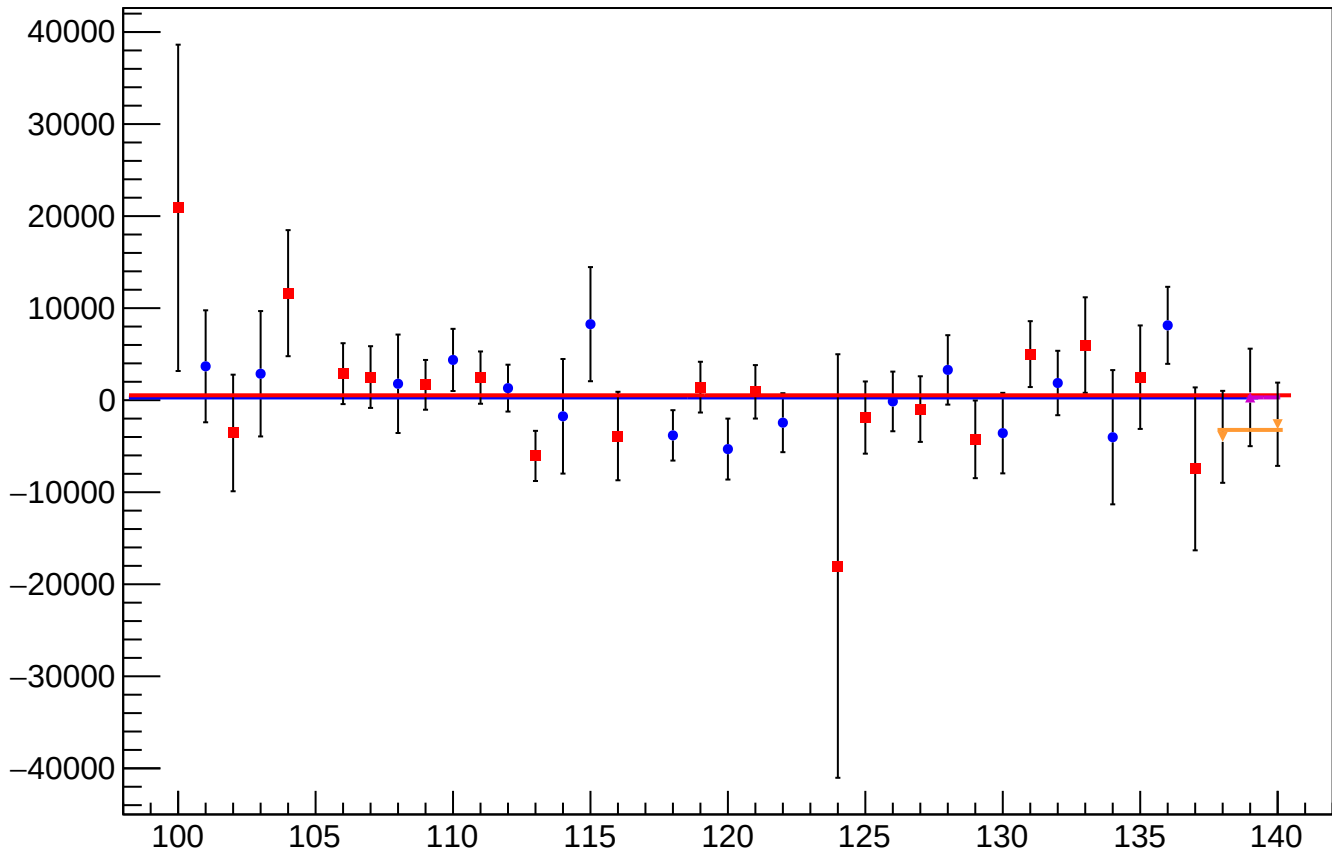
Left In: 1802.114 +/- 1.386 χ^2/NDF : 0.0/0

+ sign 1699.549 +/- 0.406 χ^2/NDF : 164503.1/17

All: 1711.911 +/- 0.296 χ^2/NDF : 397469.1/36

- sign 1725.932 +/- 0.433 χ^2/NDF : 230988.5/18

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF : 15.3/15

Left Out: -3231.274+/-3353.434 χ^2/NDF : 0.0/1

Right Out: 531.009+/-883.966 χ^2/NDF : 18.8/18

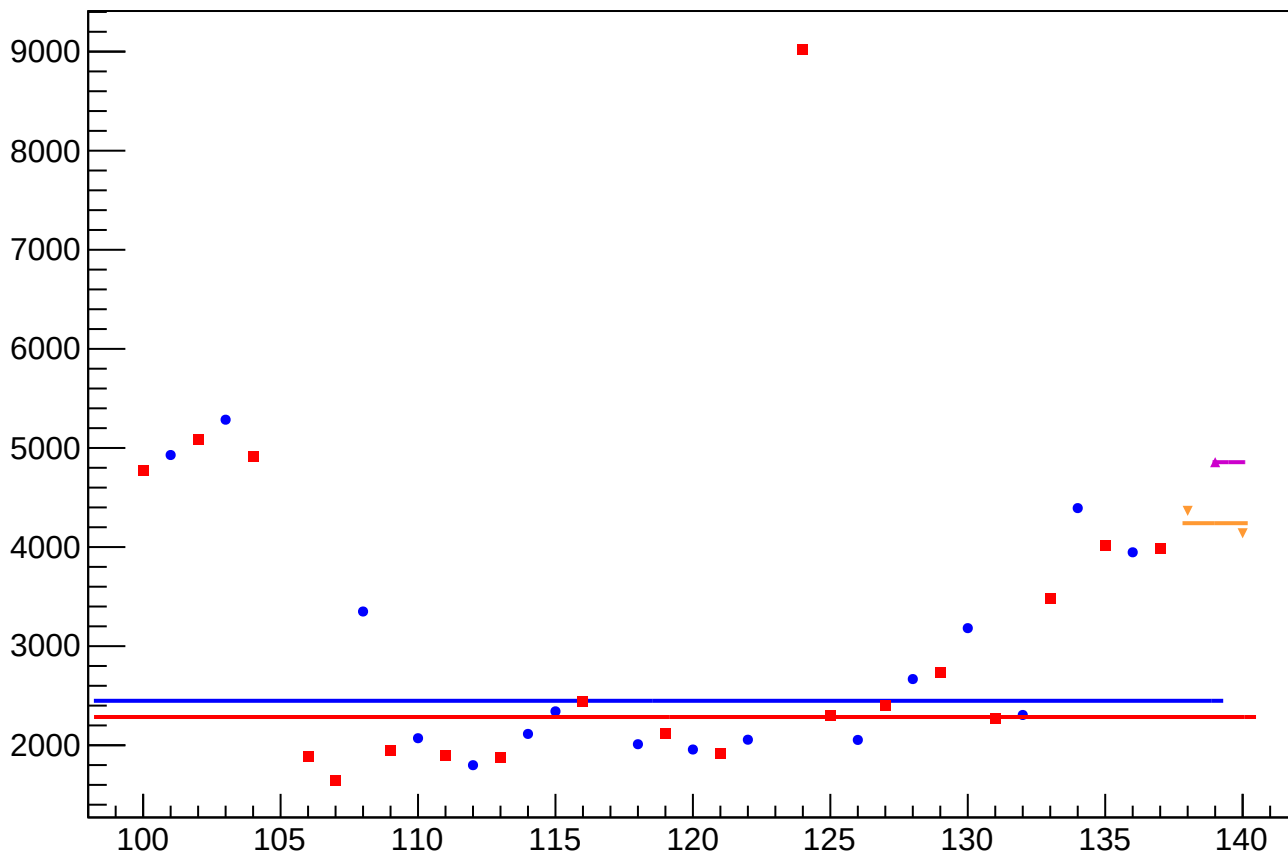
Left In: 300.536+/-5296.232 χ^2/NDF : 0.0/0

+ sign 26.890+/-927.077 χ^2/NDF : 16.3/17

All: 291.081+/-635.139 χ^2/NDF : 35.2/37

- sign 524.763+/-871.905 χ^2/NDF : 18.8/19

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587 $\pm$ 0.682 χ^2 /NDF: 1517598.4/15

Left Out: 4240.945 $\pm$ 2.371 χ^2 /NDF:2254.0/1

Right Out: 2285.066 $\pm$ 0.625 χ^2 /NDF: 1548827.3/18

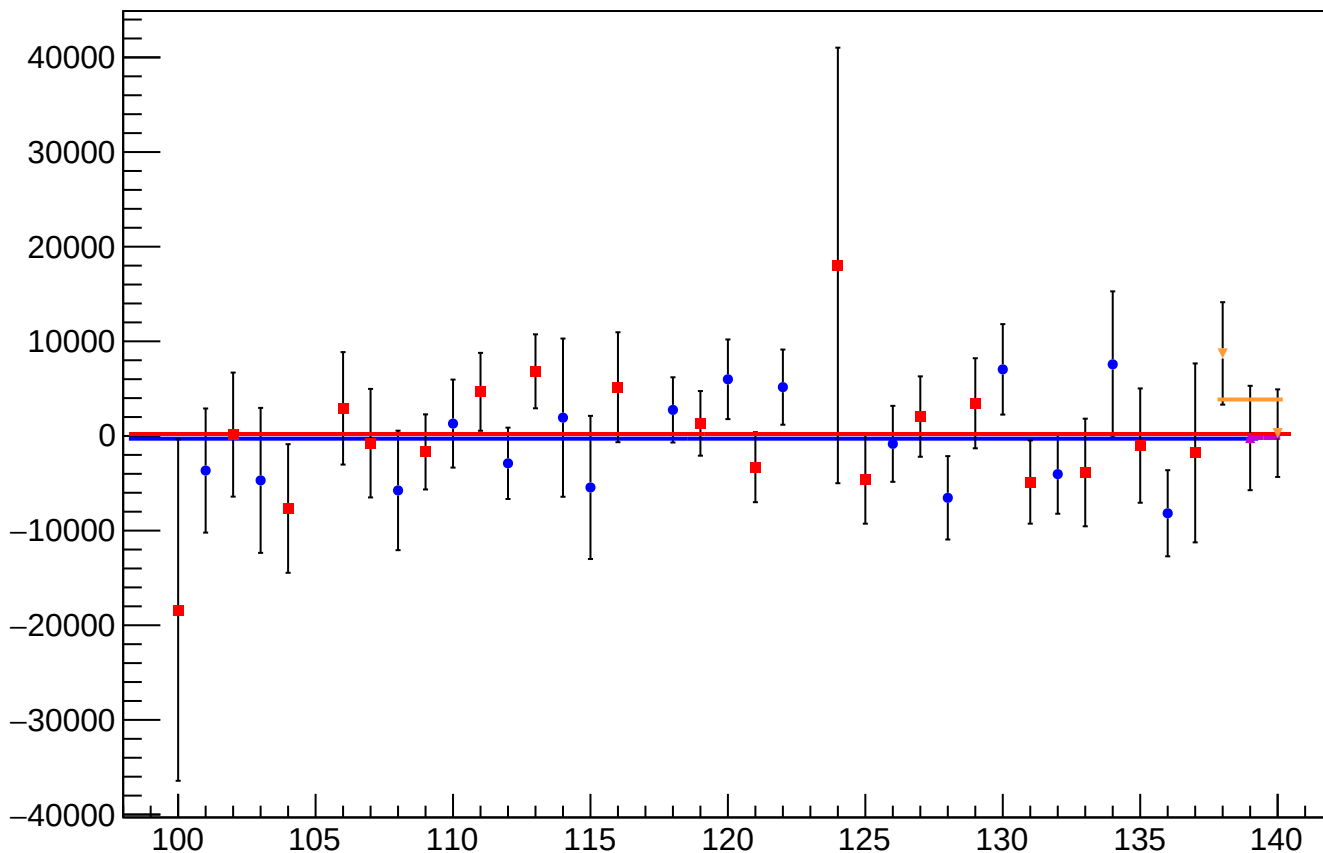
Left In: 4856.622 $\pm$ 3.745 χ^2 /NDF:0.0/0

+ sign 2585.573 $\pm$ 0.656 χ^2 /NDF: 2047532.2/17

All: 2463.095 $\pm$ 0.449 χ^2 /NDF: 4120871.0/37

- sign 2354.761 $\pm$ 0.617 χ^2 /NDF: 2007555.3/19

asym_atl_dd_mean vs Slug



Right In: -287.276 ± 1197.339 $\chi^2/\text{NDF}: 16.6/15$

Left Out: 3854.091 ± 3517.886 $\chi^2/\text{NDF}: 1.4/1$

Right Out: 209.473 ± 1153.742 $\chi^2/\text{NDF}: 12.9/18$

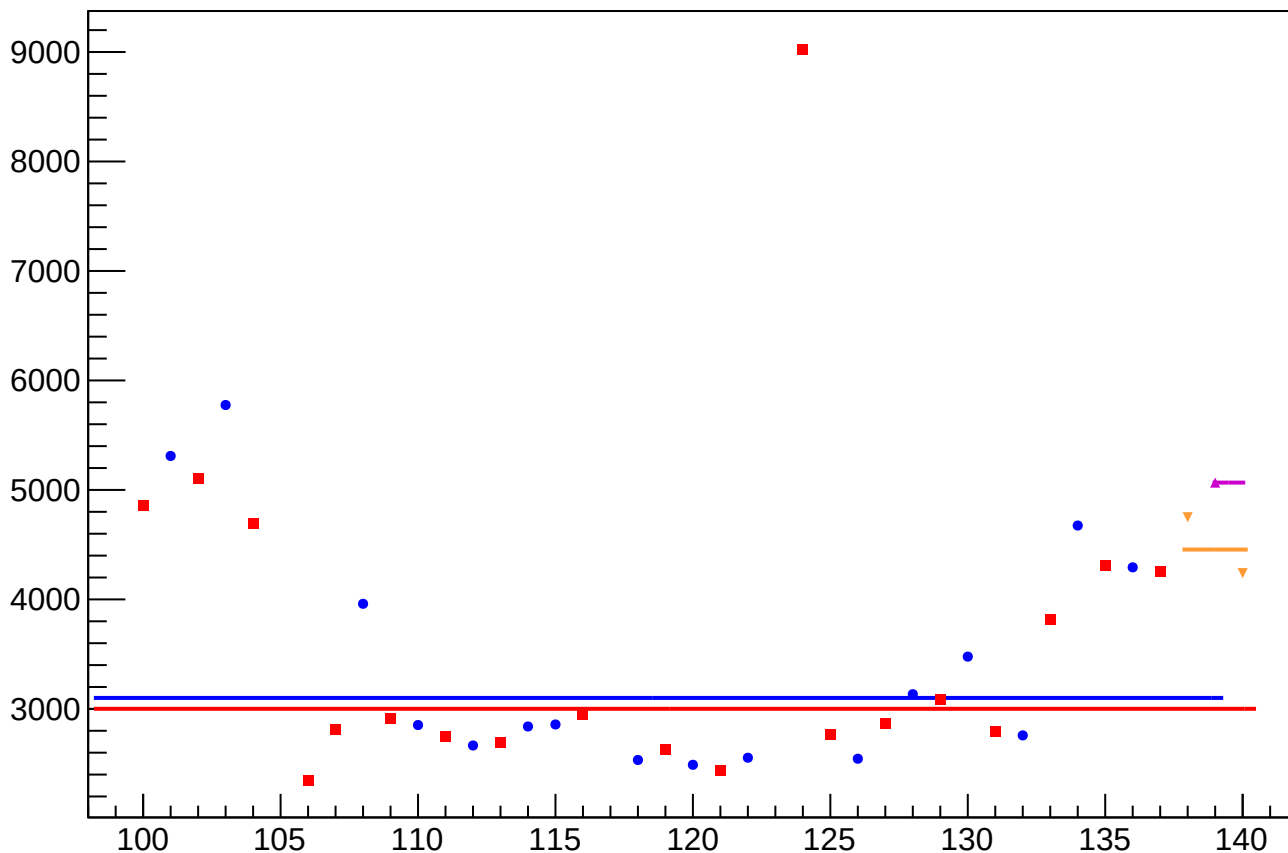
Left In: -215.252 ± 5514.742 $\chi^2/\text{NDF}: 0.0/0$

+ sign 142.667 ± 1133.484 $\chi^2/\text{NDF}: 19.2/17$

All: 167.256 ± 800.008 $\chi^2/\text{NDF}: 32.1/37$

- sign 191.663 ± 1129.293 $\chi^2/\text{NDF}: 12.9/19$

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF : 963669.6/15

Left Out: 4455.412+/-2.488 χ^2/NDF : 10274.3/1

Right Out: 3000.750+/-0.805 χ^2/NDF : 806601.4/18

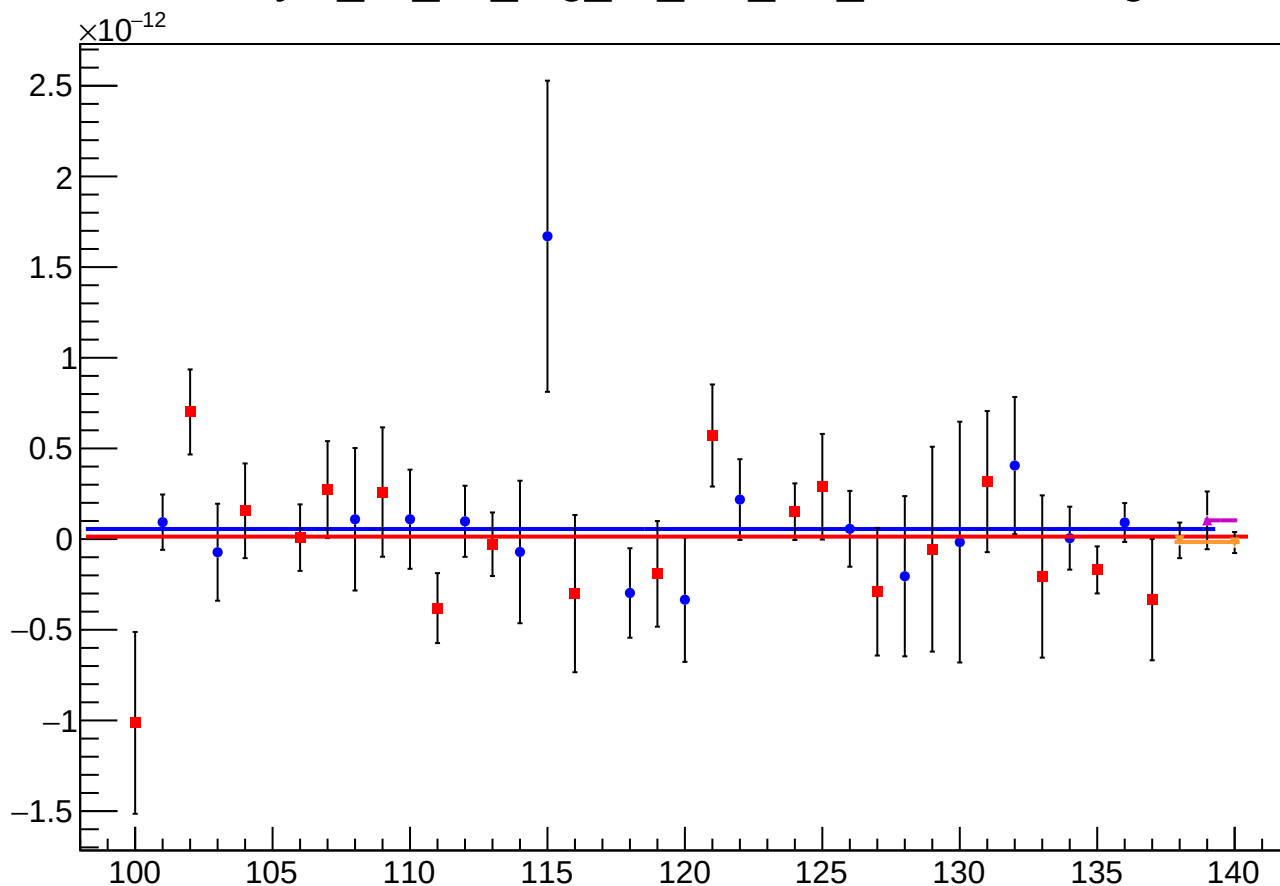
Left In: 5066.859+/-3.900 χ^2/NDF : 0.0/0

+ sign 3240.835+/-0.801 χ^2/NDF : 1239967.1/17

All: 3161.696+/-0.562 χ^2/NDF : 2335005.7/37

- sign 3085.161+/-0.788 χ^2/NDF : 1075860.5/19

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/18

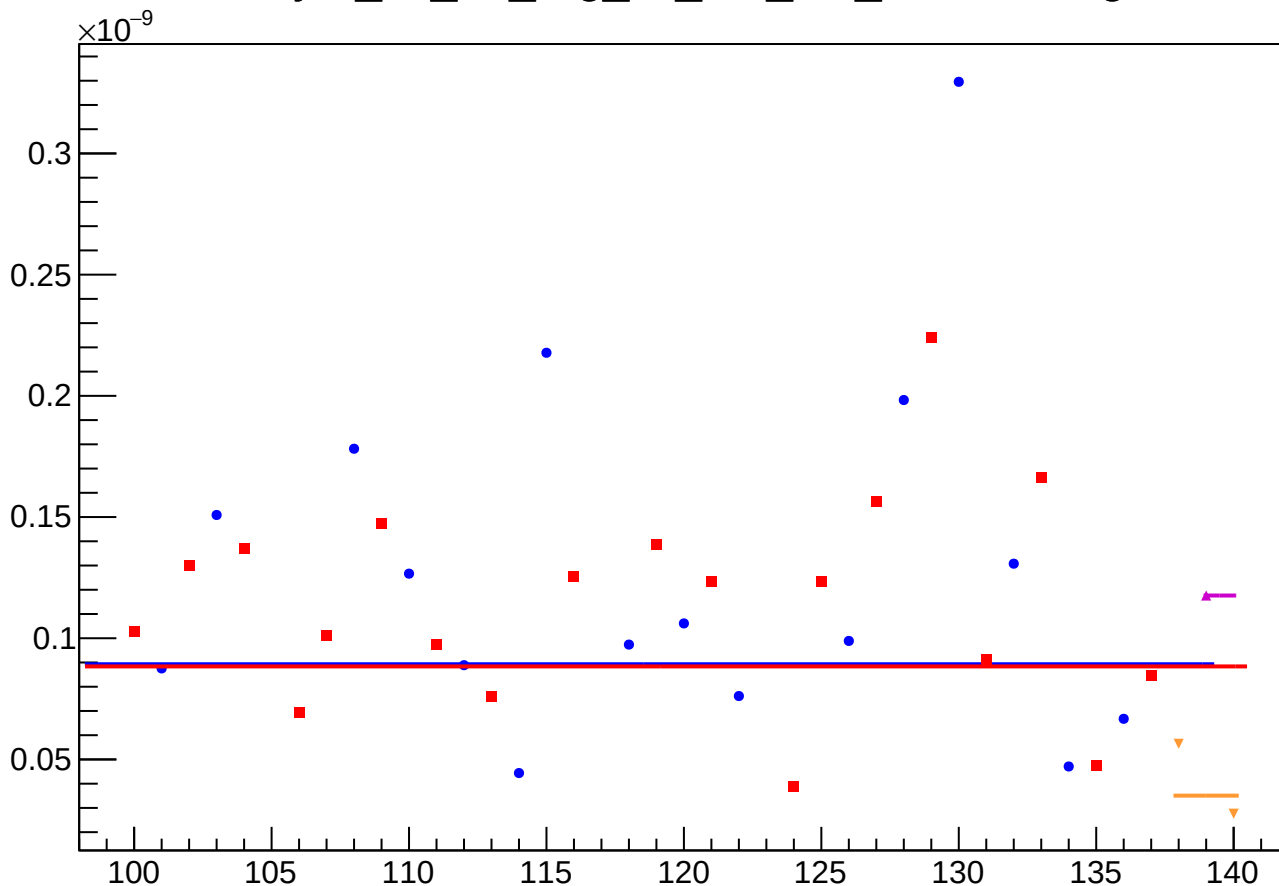
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/19

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 128067.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1013814.1/18

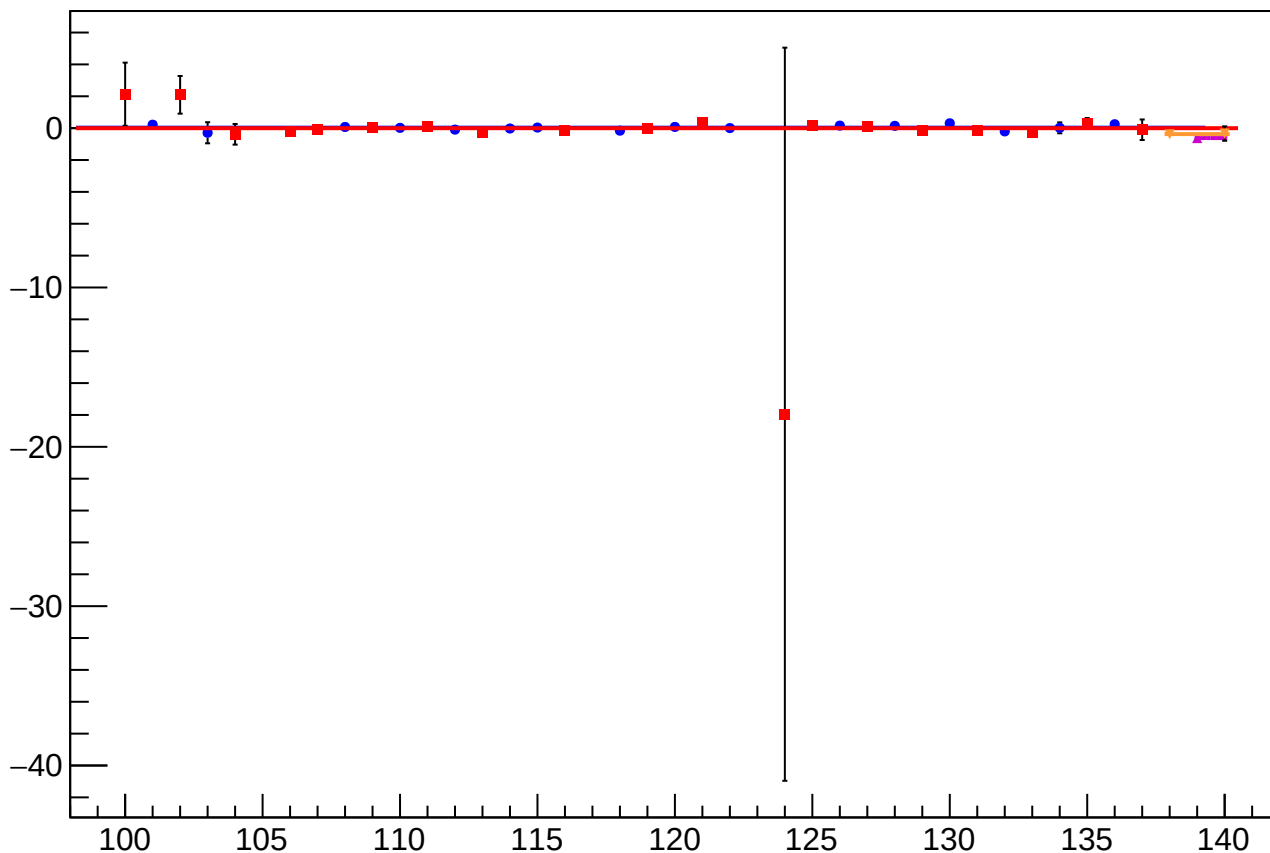
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2112267.3/17

All: 0.000+/-0.000 χ^2/NDF : 3700704.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1073901.4/19

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: -0.373 ± 0.246 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

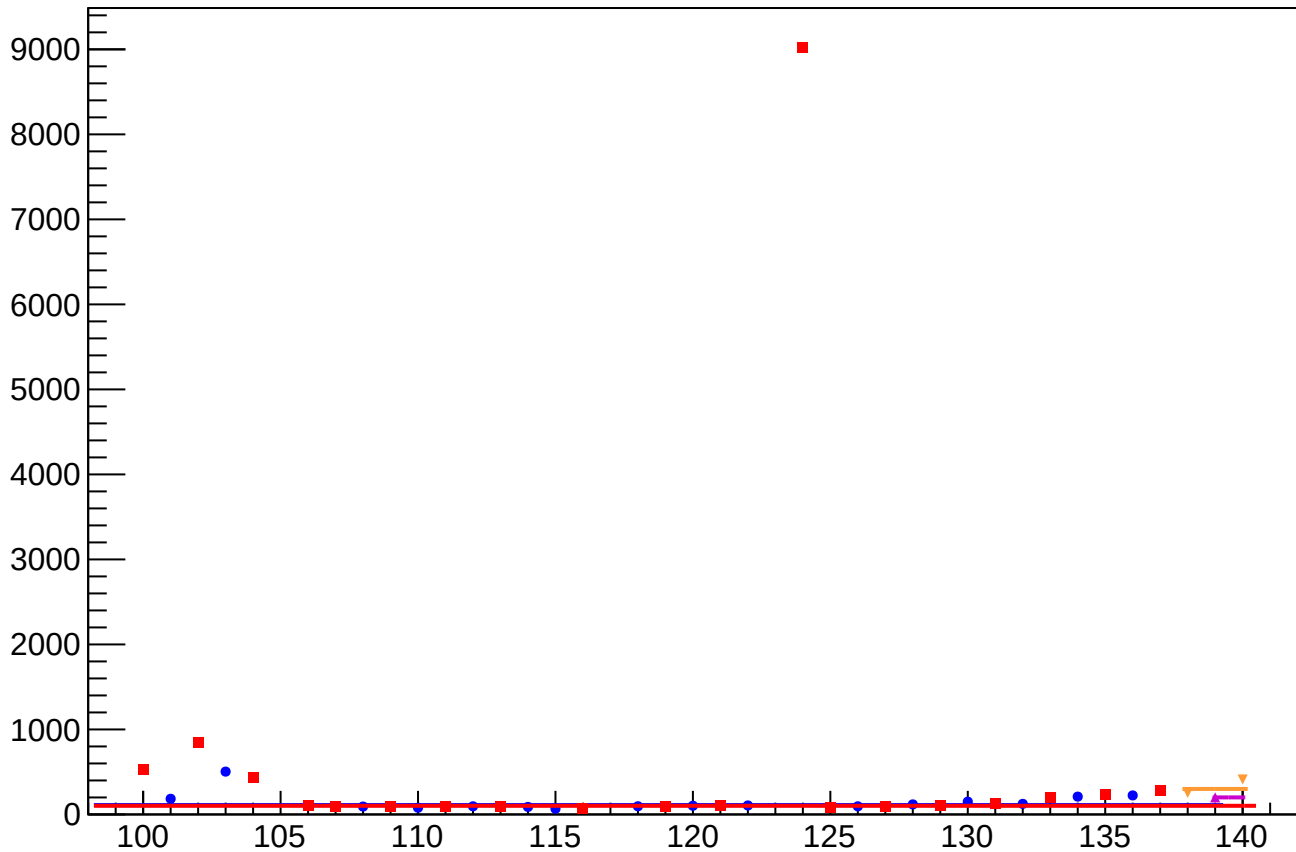
Left In: -0.623 ± 0.232 χ^2/NDF : 0.0/0

+ sign 0.015 ± 0.045 χ^2/NDF : 11.5/17

All: -0.006 ± 0.031 χ^2/NDF : 41.1/37

- sign -0.024 ± 0.043 χ^2/NDF : 29.3/19

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988 $\pm$ 0.032 χ^2 /NDF: 1930558.2/15

Left Out: 300.103 $\pm$ 0.174 χ^2 /NDF: 171073.2/1

Right Out: 101.852 $\pm$ 0.031 χ^2 /NDF: 2589792.8/18

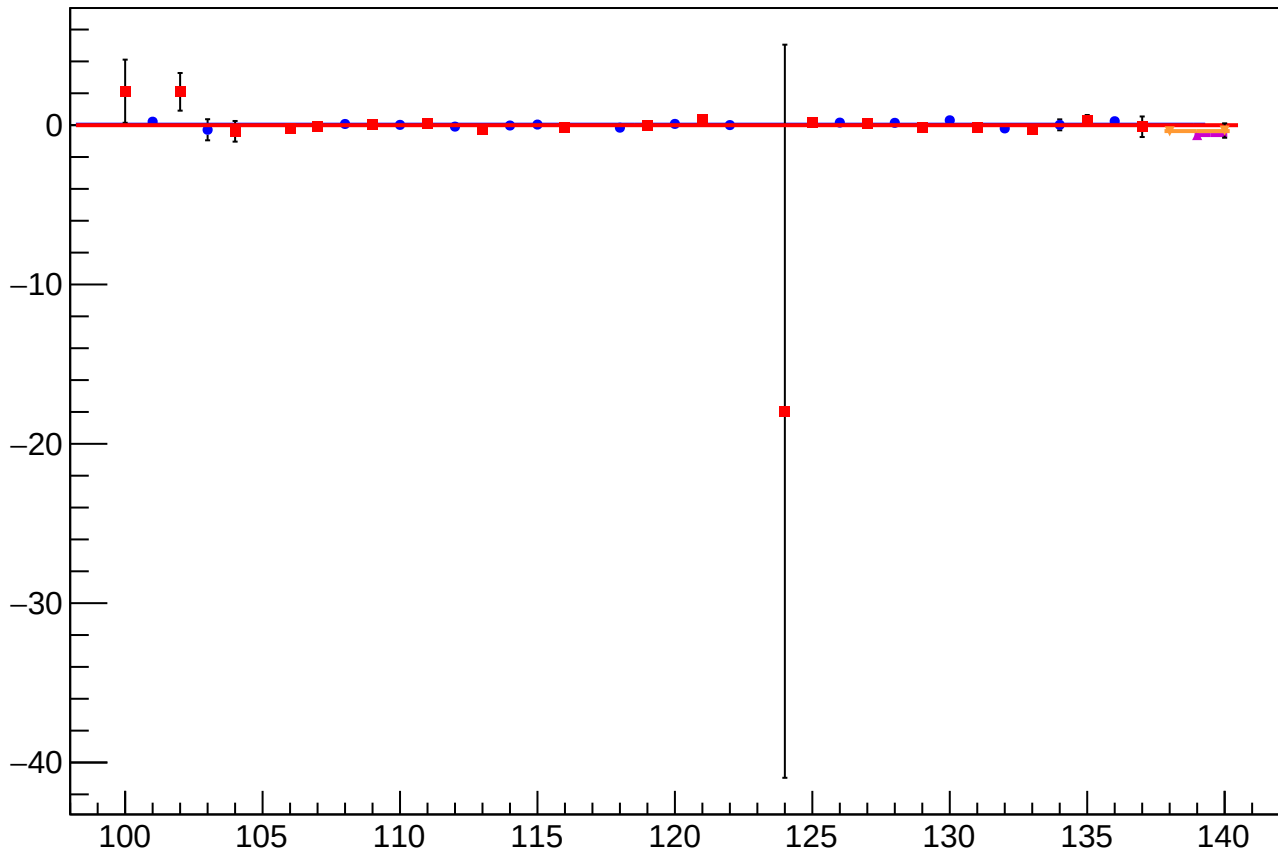
Left In: 200.507 $\pm$ 0.164 χ^2 /NDF: 0.0/0

+ sign 116.235 $\pm$ 0.032 χ^2 /NDF: 3259031.4/17

All: 110.468 $\pm$ 0.022 χ^2 /NDF: 6262894.5/37

- sign 105.188 $\pm$ 0.030 χ^2 /NDF: 2939671.4/19

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: -0.373 ± 0.246 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

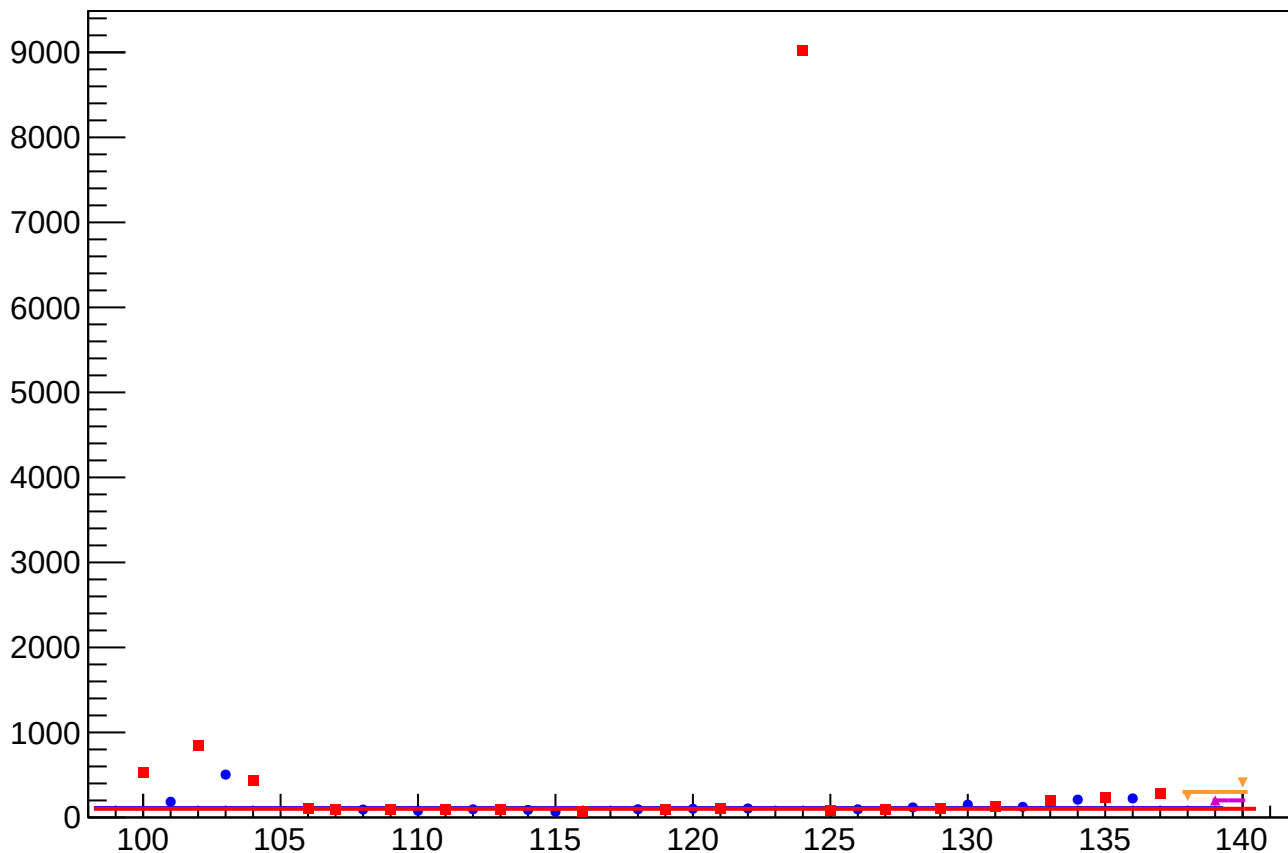
Left In: -0.623 ± 0.232 χ^2/NDF : 0.0/0

+ sign 0.015 ± 0.045 χ^2/NDF : 11.5/17

All: -0.006 ± 0.031 χ^2/NDF : 41.1/37

- sign -0.024 ± 0.043 χ^2/NDF : 29.3/19

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988 $\pm$ 0.032 χ^2 /NDF: 1930558.2/15

Left Out: 300.103 $\pm$ 0.174 χ^2 /NDF:171073.2/1

Right Out: 101.852 $\pm$ 0.031 χ^2 /NDF: 2589792.8/18

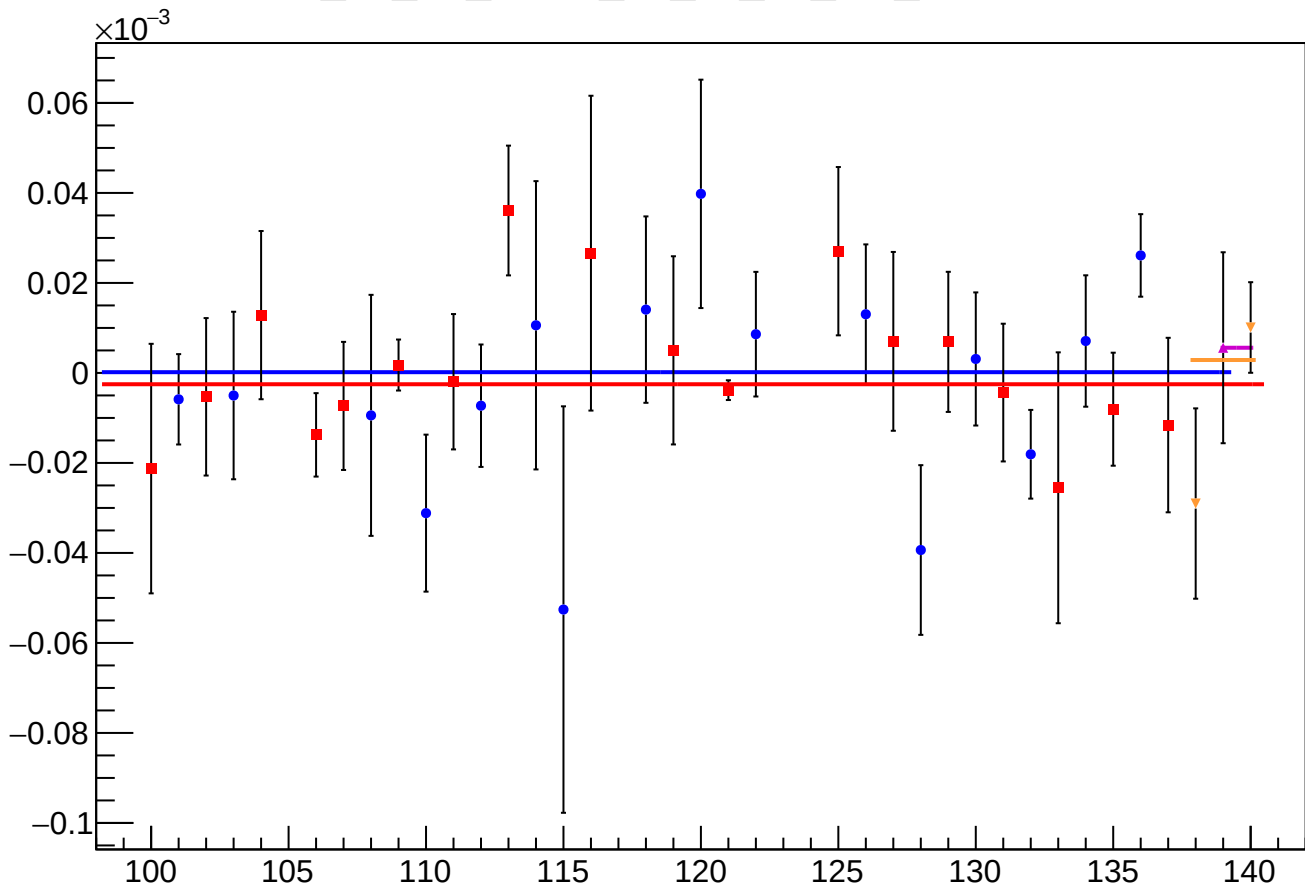
Left In: 200.507 $\pm$ 0.164 χ^2 /NDF:0.0/0

+ sign 116.235 $\pm$ 0.032 χ^2 /NDF: 3259031.4/17

All: 110.468 $\pm$ 0.022 χ^2 /NDF: 6262894.5/37

- sign 105.188 $\pm$ 0.030 χ^2 /NDF: 2939671.4/19

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.8/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/17

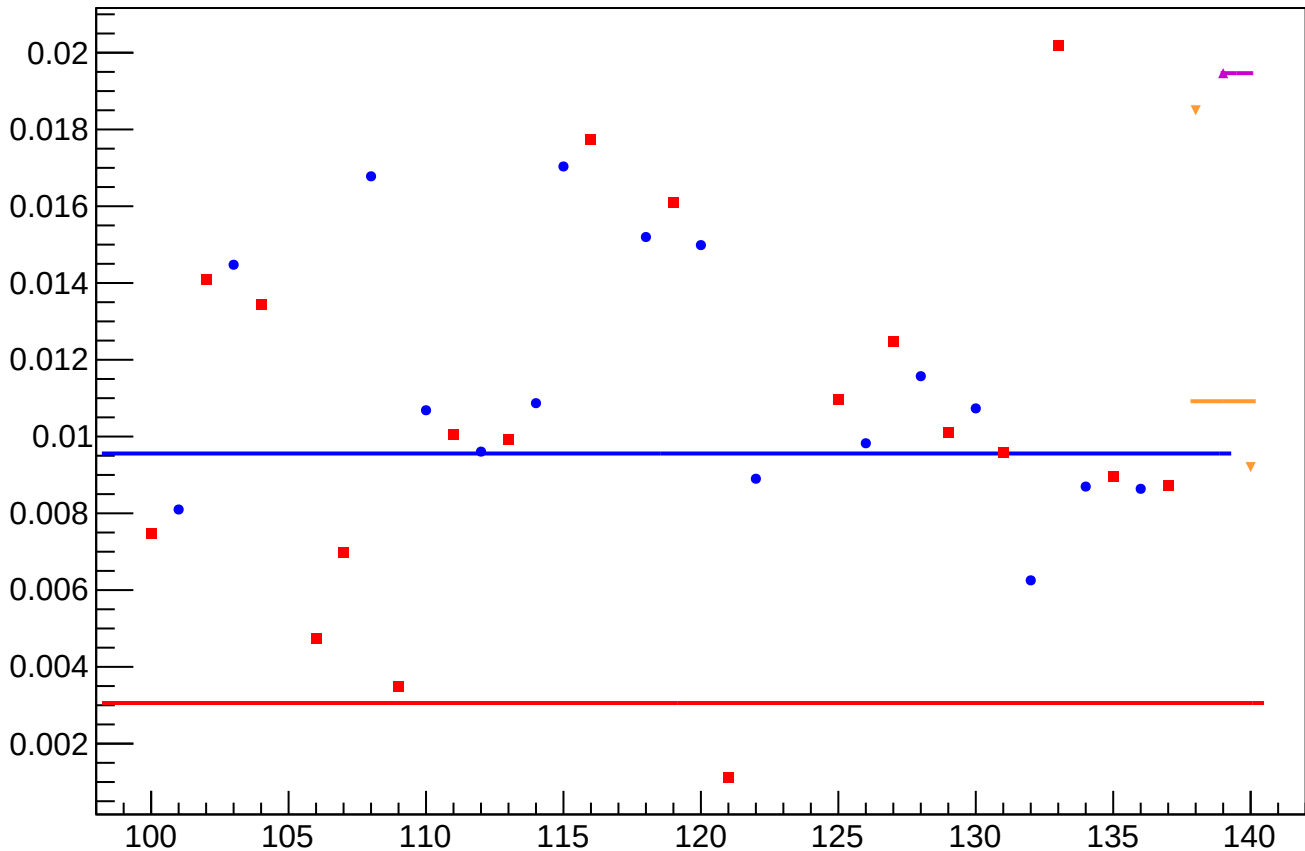
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 926018.8/15

Left Out: 0.011+/-0.000 χ^2/NDF : 314950.2/1

Right Out: 0.003+/-0.000 χ^2/NDF : 8122378.4/17

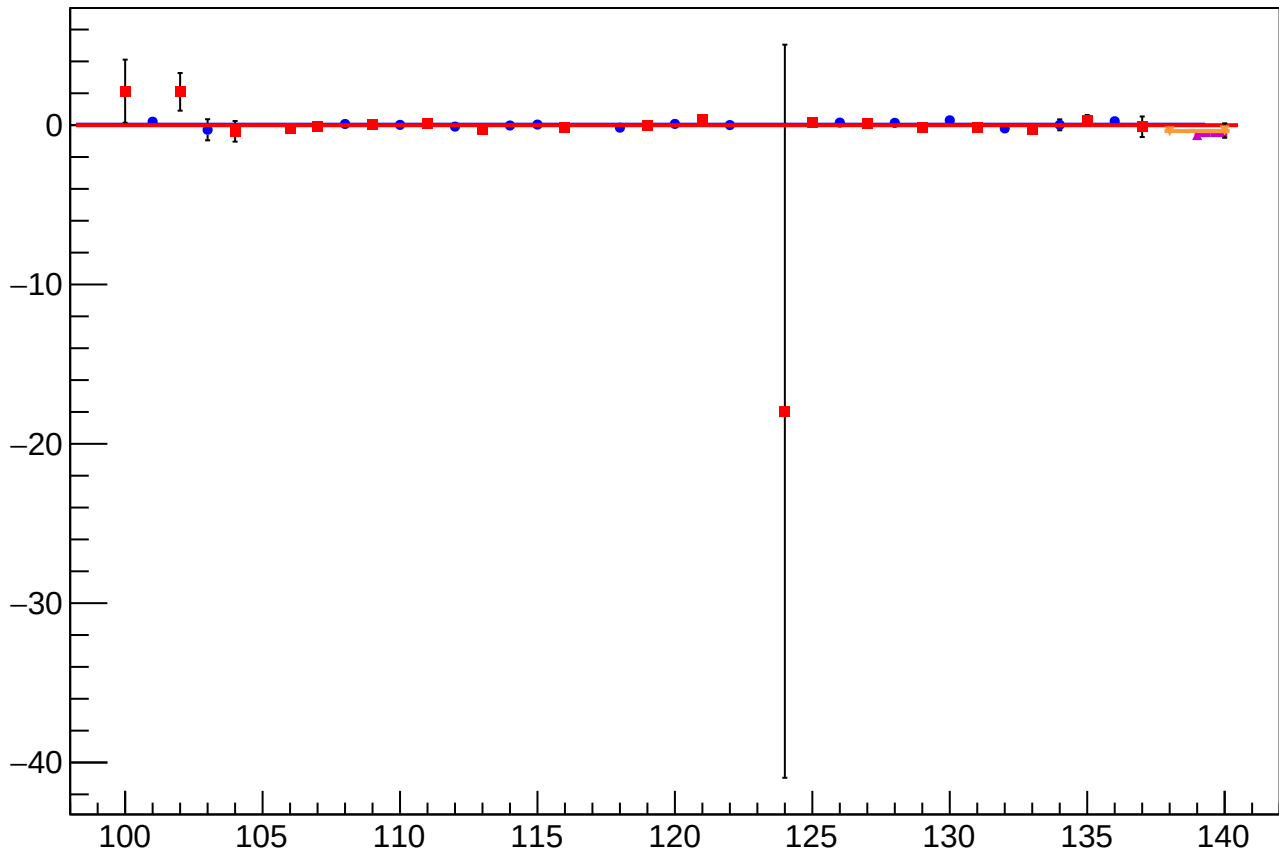
Left In: 0.019+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.010+/-0.000 χ^2/NDF : 1279385.7/17

All: 0.005+/-0.000 χ^2/NDF : 16267630.6/36

- sign 0.003+/-0.000 χ^2/NDF : 9309611.7/18

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 $\chi^2/\text{NDF}: 8.9/15$

Left Out: -0.373 ± 0.246 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -0.003 ± 0.043 $\chi^2/\text{NDF}: 22.4/18$

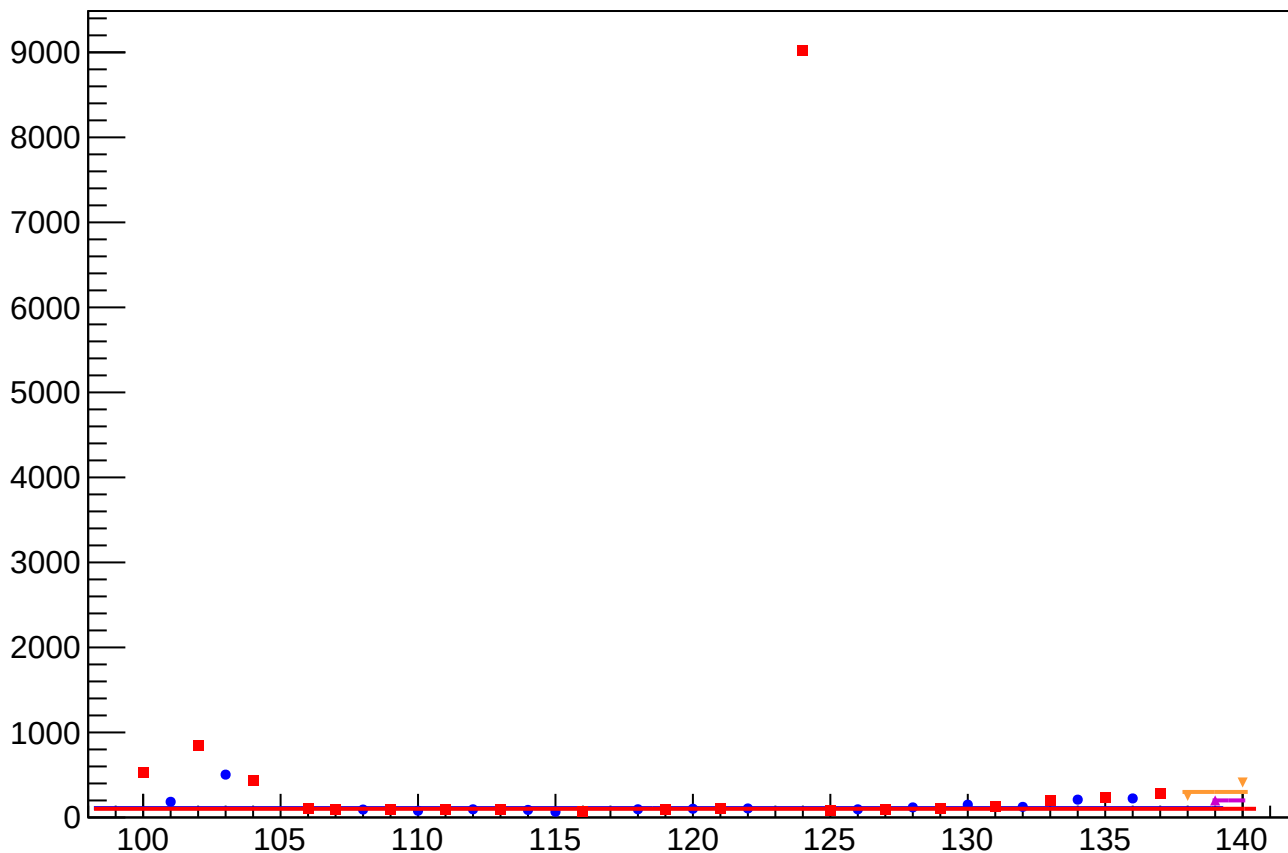
Left In: -0.623 ± 0.232 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.015 ± 0.045 $\chi^2/\text{NDF}: 11.5/17$

All: -0.006 ± 0.031 $\chi^2/\text{NDF}: 41.1/37$

- sign -0.024 ± 0.043 $\chi^2/\text{NDF}: 29.3/19$

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: 300.106+/-0.174 χ^2/NDF : 171075.3/1

Right Out: 101.853+/-0.031 χ^2/NDF : 2589710.5/18

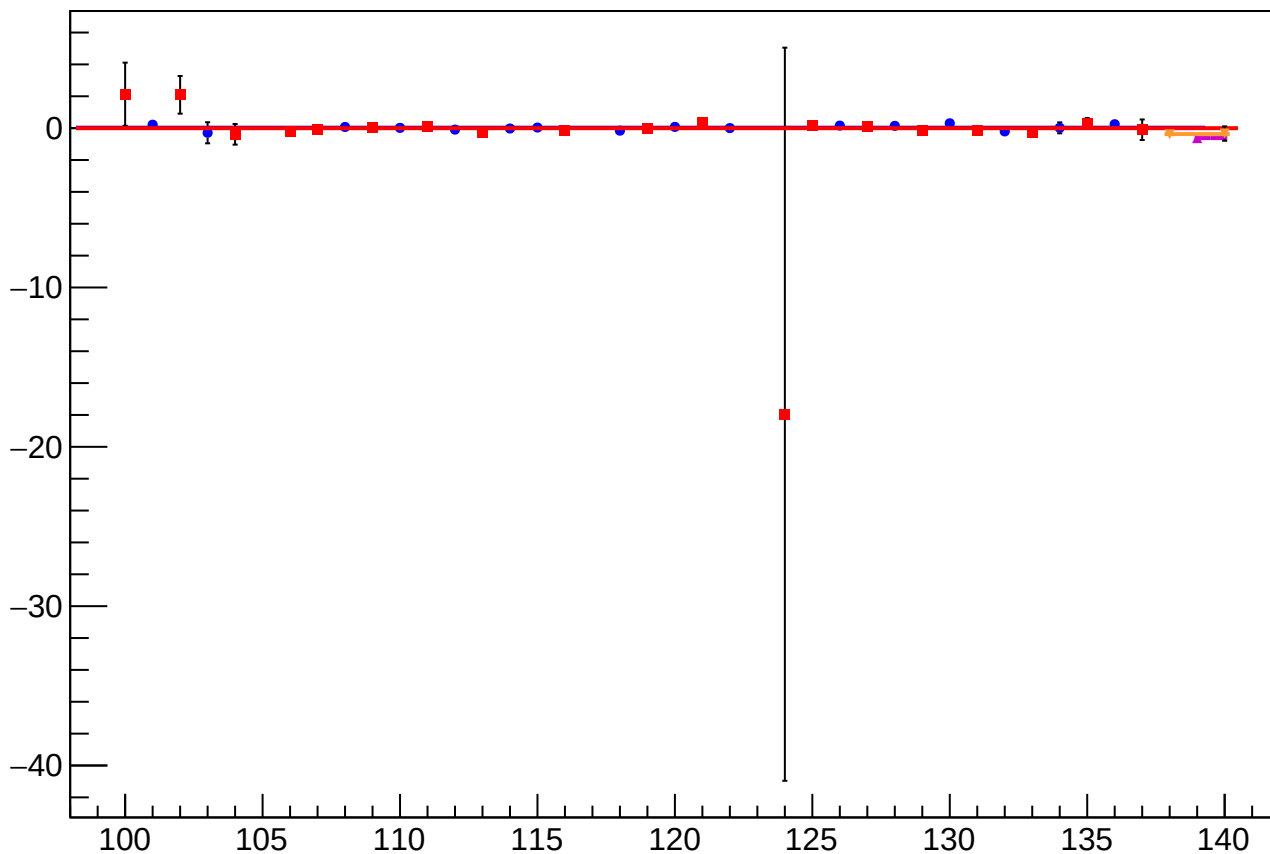
Left In: 200.513+/-0.164 χ^2/NDF : 0.0/0

+ sign 116.236+/-0.032 χ^2/NDF : 3258971.1/17

All: 110.469+/-0.022 χ^2/NDF : 6262760.4/37

- sign 105.189+/-0.030 χ^2/NDF : 2939603.1/19

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.045 χ^2 /NDF: 8.9/15

Left Out: -0.373 $\pm$ 0.246 χ^2 /NDF: 0.0/1

Right Out: -0.003 $\pm$ 0.043 χ^2 /NDF: 22.4/18

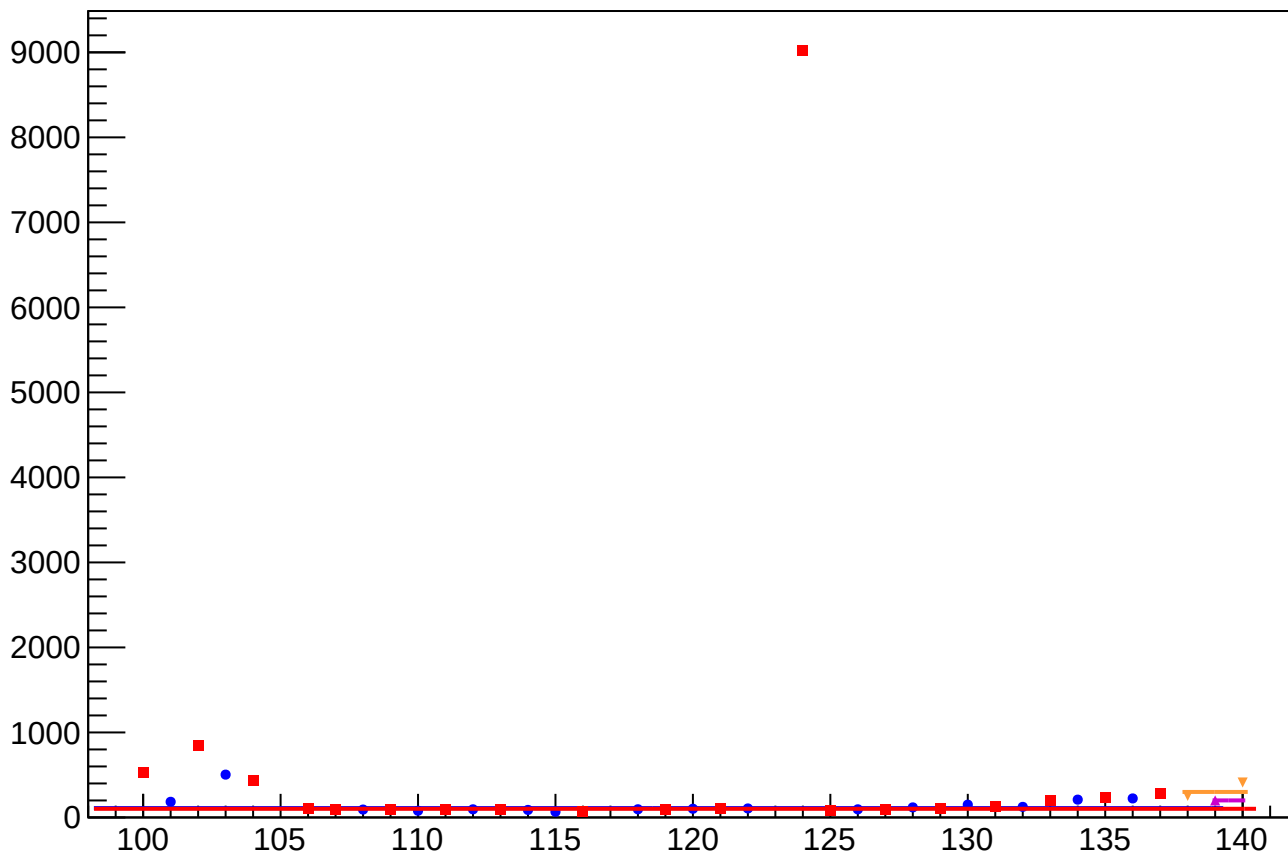
Left In: -0.623 $\pm$ 0.232 χ^2 /NDF: 0.0/0

+ sign 0.015 $\pm$ 0.045 χ^2 /NDF: 11.5/17

All: -0.006 $\pm$ 0.031 χ^2 /NDF: 41.1/37

- sign -0.024 $\pm$ 0.043 χ^2 /NDF: 29.3/19

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF : 1930489.2/15

Left Out: 300.106+/-0.174 χ^2/NDF : 171075.3/1

Right Out: 101.853+/-0.031 χ^2/NDF : 2589710.5/18

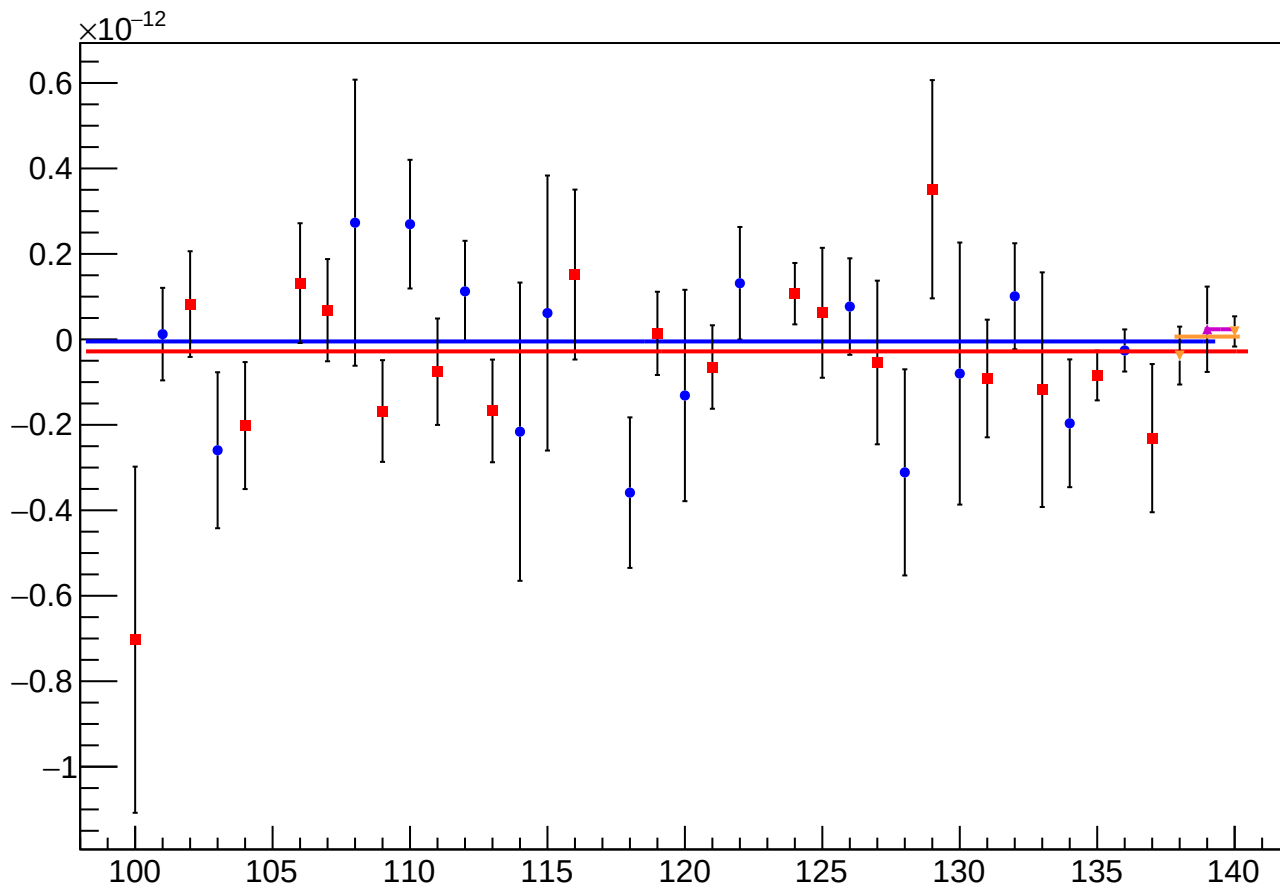
Left In: 200.513+/-0.164 χ^2/NDF : 0.0/0

+ sign 116.236+/-0.032 χ^2/NDF : 3258971.1/17

All: 110.469+/-0.022 χ^2/NDF : 6262760.4/37

- sign 105.189+/-0.030 χ^2/NDF : 2939603.1/19

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.5/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.6/18

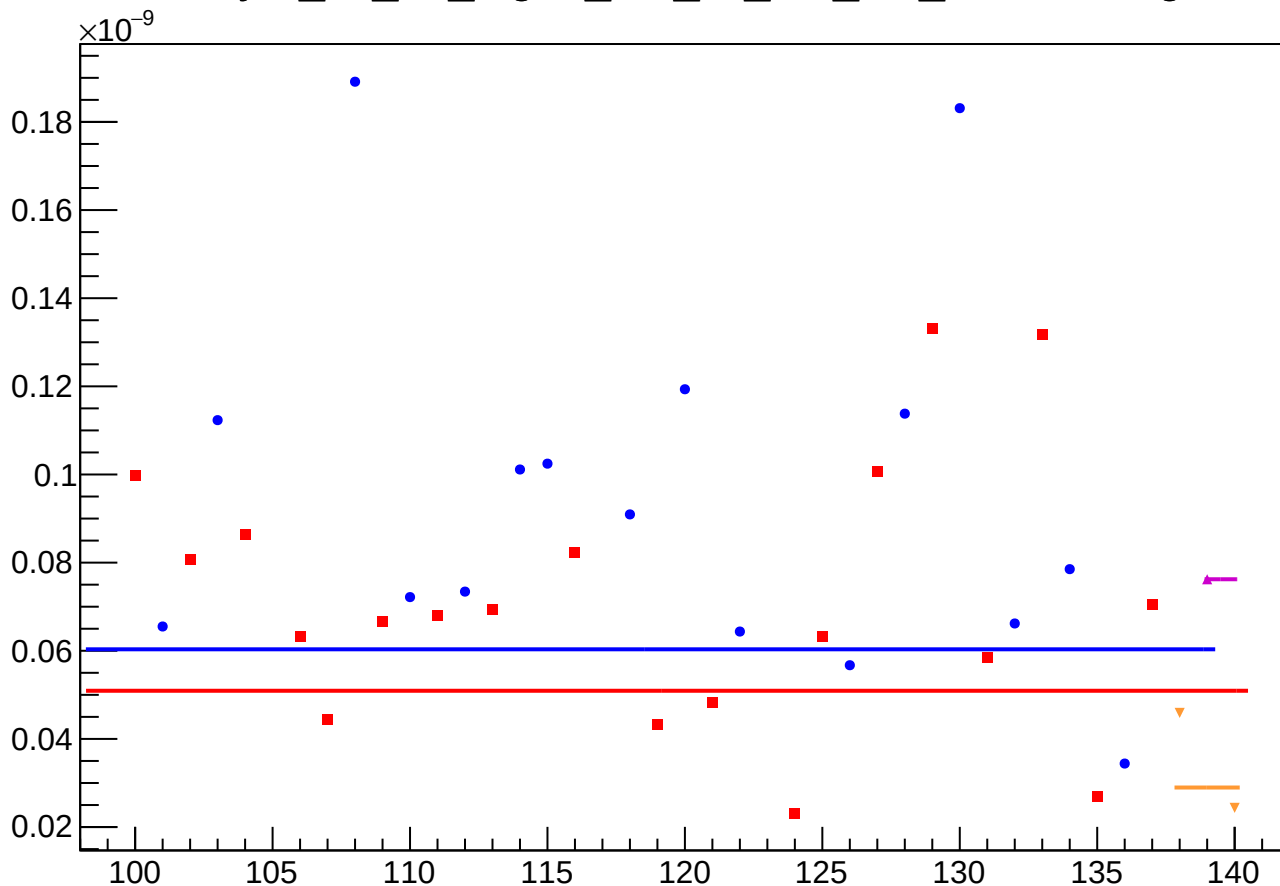
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 18.1/17

All: -0.000 ± 0.000 χ^2/NDF : 38.5/37

- sign -0.000 ± 0.000 χ^2/NDF : 19.9/19

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 : 159047.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1667004.7/18

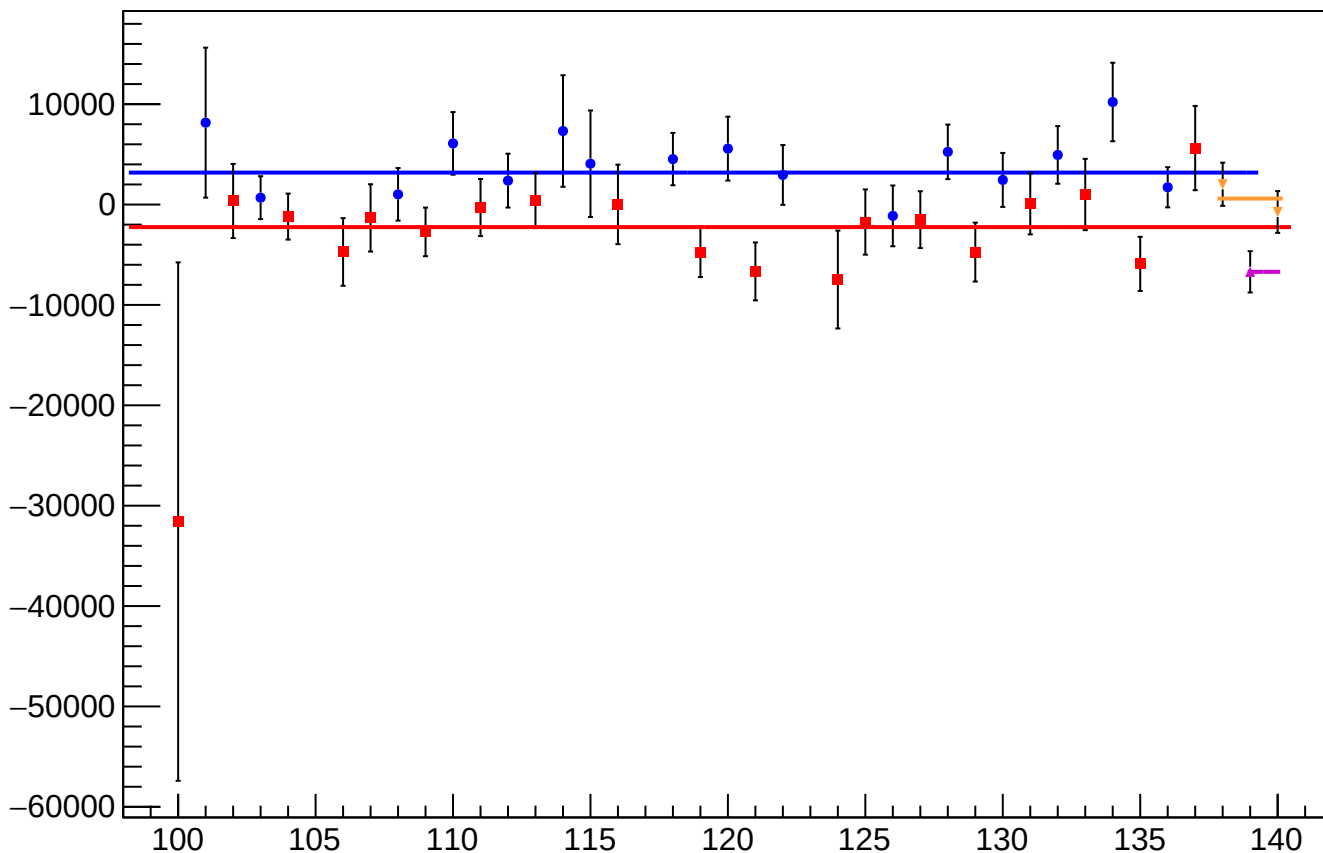
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2893382.5/17

All: 0.000+/-0.000 χ^2/NDF : 4794010.8/37

- sign 0.000+/-0.000 χ^2/NDF : 1786502.9/19

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF : 11.7/15

Left Out: 595.425+/-1494.986 χ^2/NDF : 0.9/1

Right Out: -2246.057+/-710.912 χ^2/NDF : 16.5/18

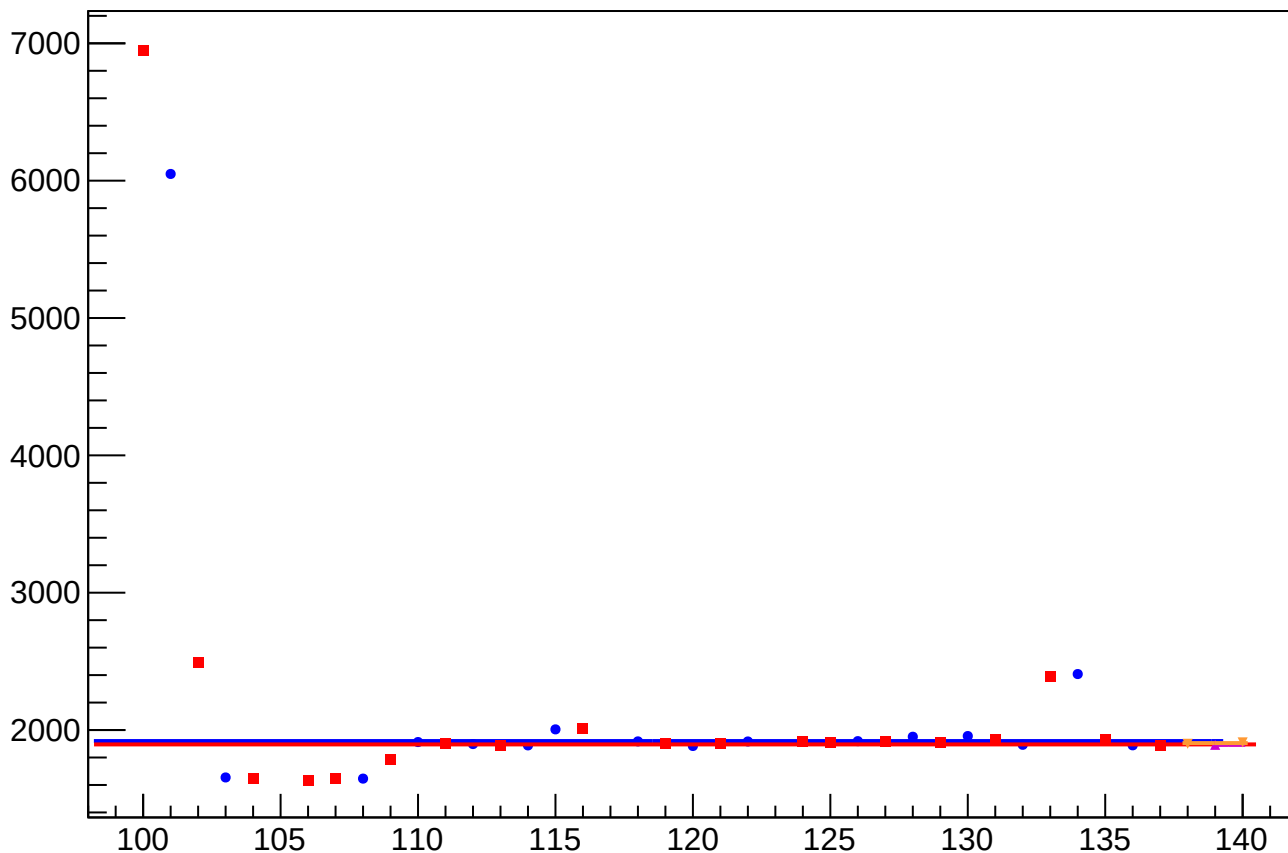
Left In: -6703.275+/-2057.051 χ^2/NDF : 0.0/0

+ sign 2684.135+/-656.795 χ^2/NDF : 15.0/17

All: 42.775+/-469.679 χ^2/NDF : 68.8/37

- sign -2721.617+/-671.917 χ^2/NDF : 20.7/19

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF : 697331.5/15

Left Out: 1904.983+/-1.057 χ^2/NDF : 23.6/1

Right Out: 1895.361+/-0.501 χ^2/NDF : 222273.9/18

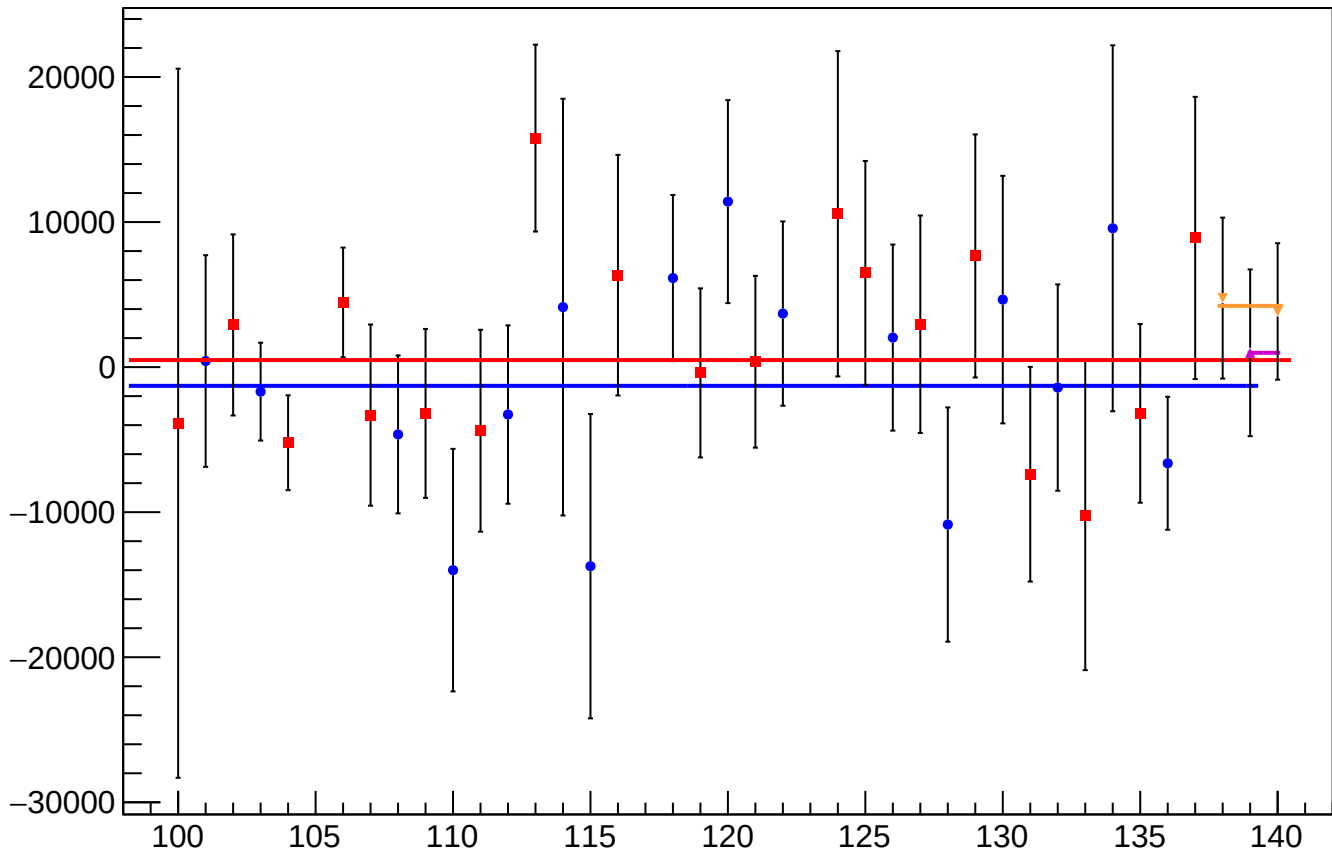
Left In: 1892.500+/-1.455 χ^2/NDF : 0.0/0

+ sign 1916.962+/-0.464 χ^2/NDF : 697514.2/17

All: 1906.225+/-0.332 χ^2/NDF : 920881.9/37

- sign 1895.058+/-0.474 χ^2/NDF : 222277.4/19

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495 ± 1585.432 χ^2/NDF : 14.3/15

Left Out: 4222.086 ± 3588.126 χ^2/NDF : 0.0/1

Right Out: 485.214 ± 1437.465 χ^2/NDF : 17.2/18

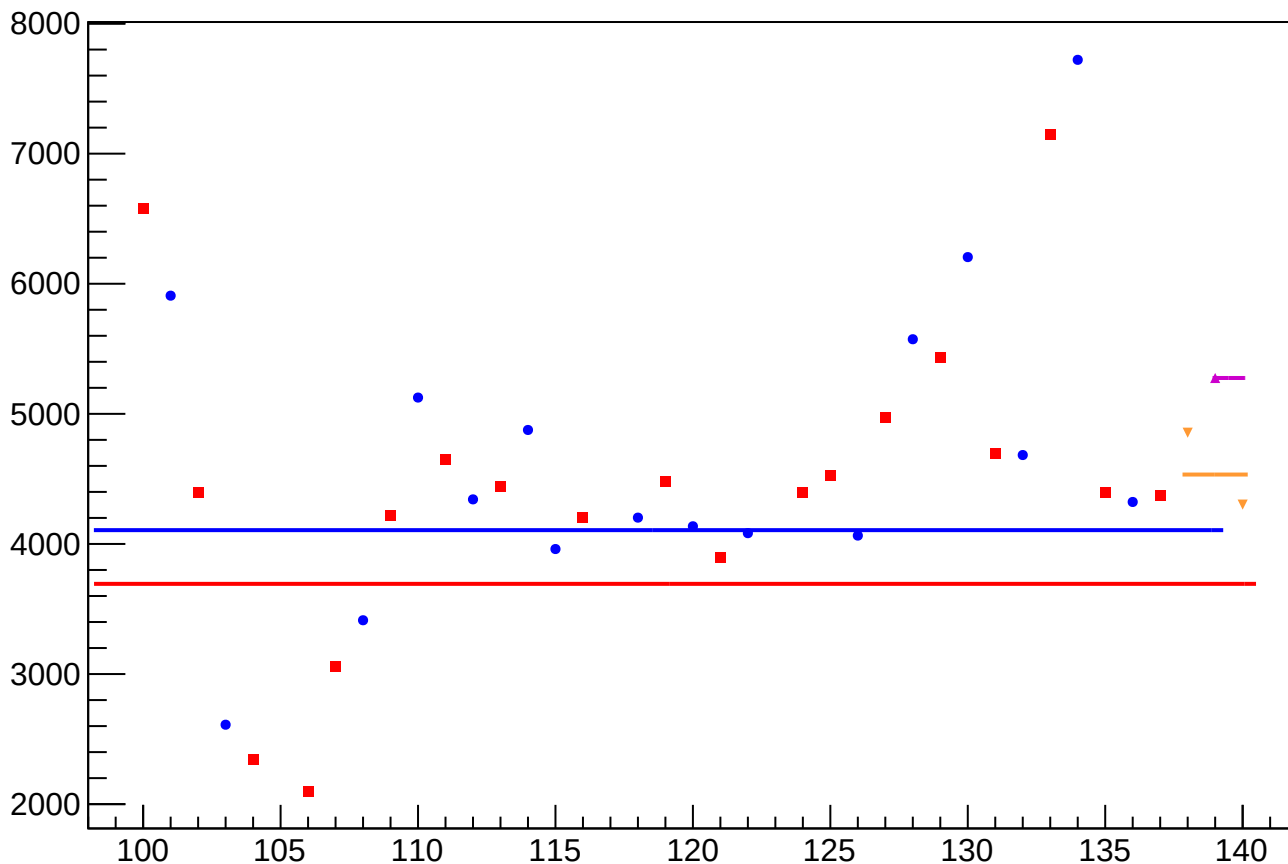
Left In: 986.802 ± 5746.110 χ^2/NDF : 0.0/0

+ sign -390.041 ± 1450.177 χ^2/NDF : 16.2/17

All: 80.062 ± 1005.164 χ^2/NDF : 33.7/37

- sign 514.756 ± 1394.492 χ^2/NDF : 17.3/19

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF : 956130.4/15

Left Out: 4533.503+/-2.537 χ^2/NDF : 11543.2/1

Right Out: 3693.266+/-1.016 χ^2/NDF : 1356643.3/18

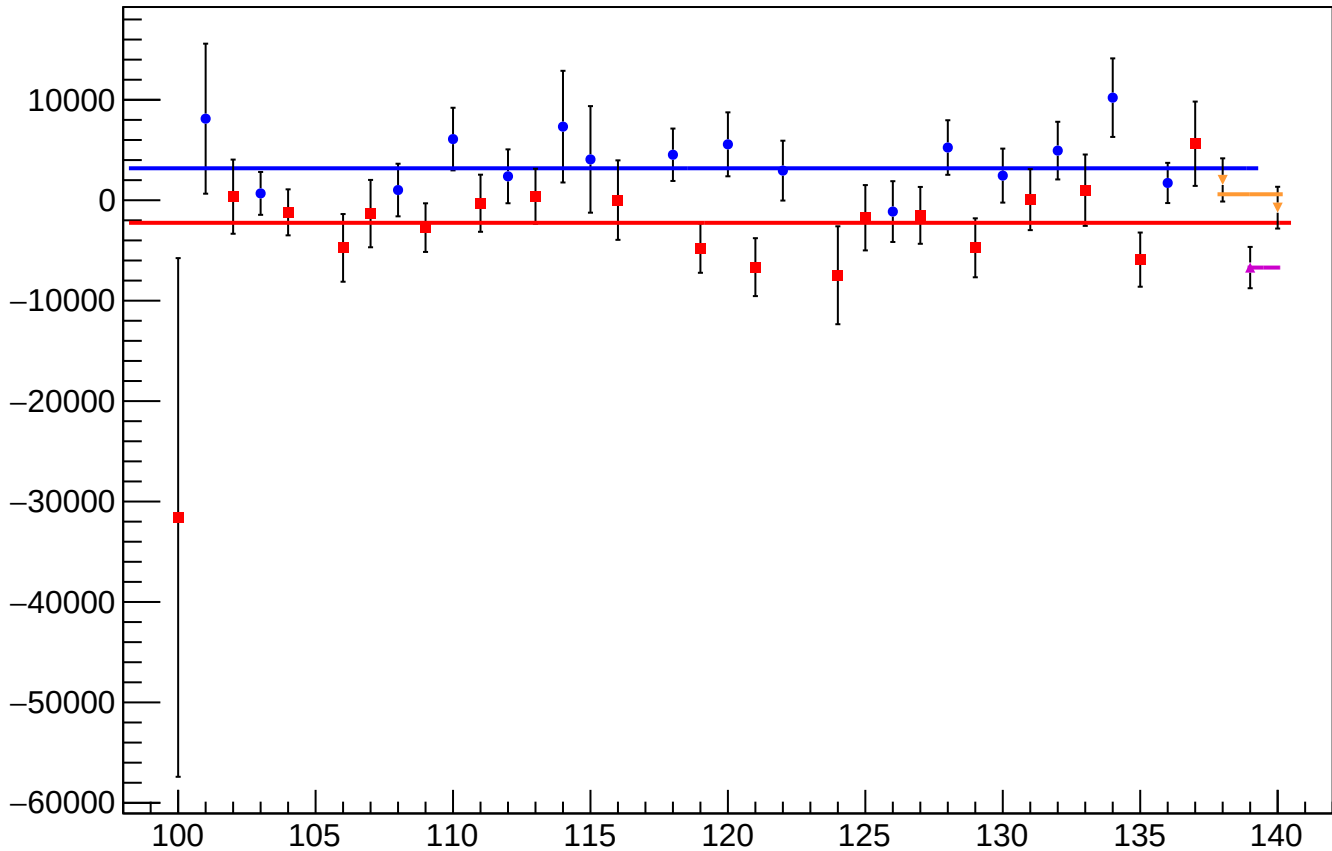
Left In: 5275.684+/-4.063 χ^2/NDF : 0.0/0

+ sign 4175.949+/-1.025 χ^2/NDF : 991411.0/17

All: 3973.585+/-0.711 χ^2/NDF : 2565756.4/37

- sign 3786.464+/-0.986 χ^2/NDF : 1499388.6/19

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973 ± 731.133 χ^2/NDF : 11.7/15

Left Out: 595.475 ± 1494.986 χ^2/NDF : 0.9/1

Right Out: -2247.193 ± 710.916 χ^2/NDF : 16.5/18

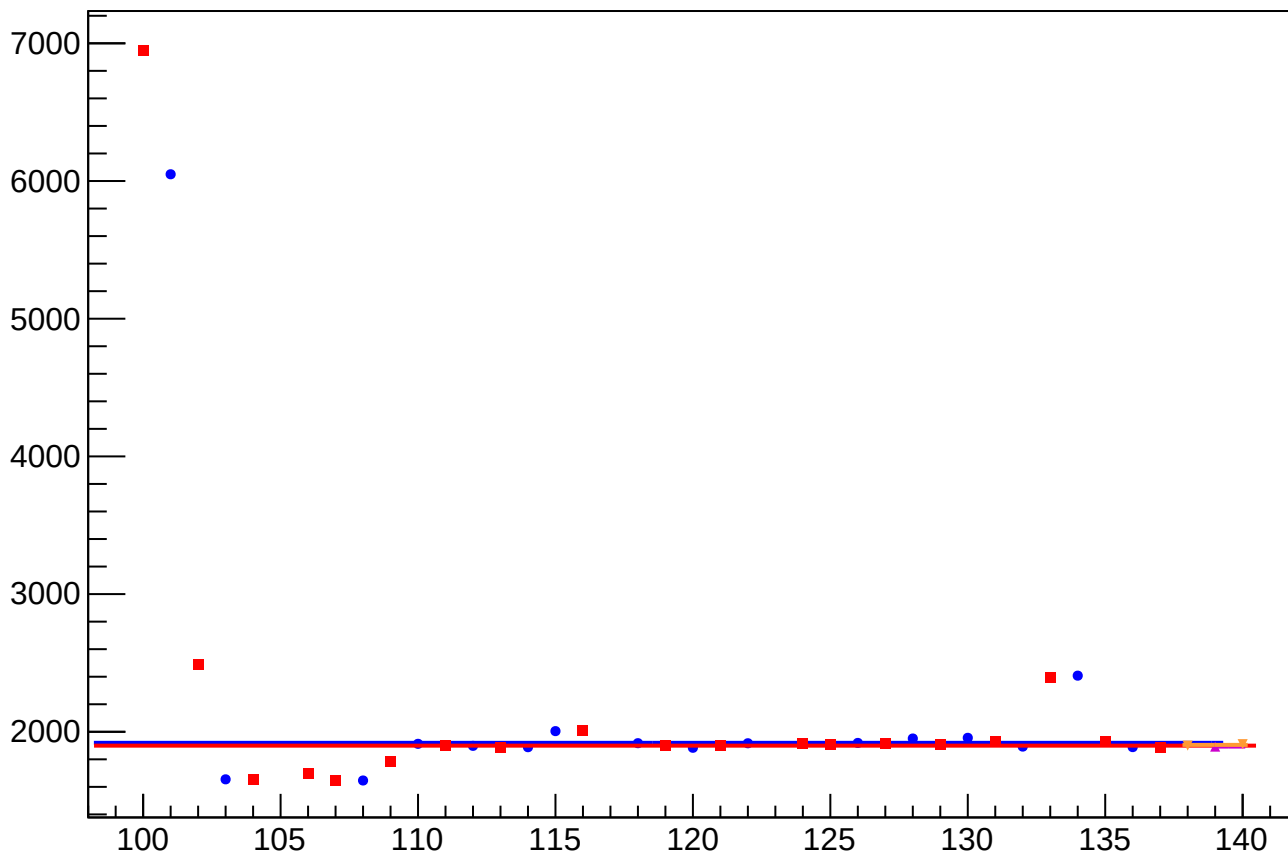
Left In: -6703.700 ± 2057.051 χ^2/NDF : 0.0/0

+ sign 2683.554 ± 656.795 χ^2/NDF : 15.0/17

All: 41.970 ± 469.681 χ^2/NDF : 68.8/37

- sign -2722.682 ± 671.921 χ^2/NDF : 20.7/19

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827 $\pm$ 0.517 χ^2 /NDF: 697330.6/15

Left Out: 1904.983 $\pm$ 1.057 χ^2 /NDF: 23.6/1

Right Out: 1899.364 $\pm$ 0.502 χ^2 /NDF: 215654.1/18

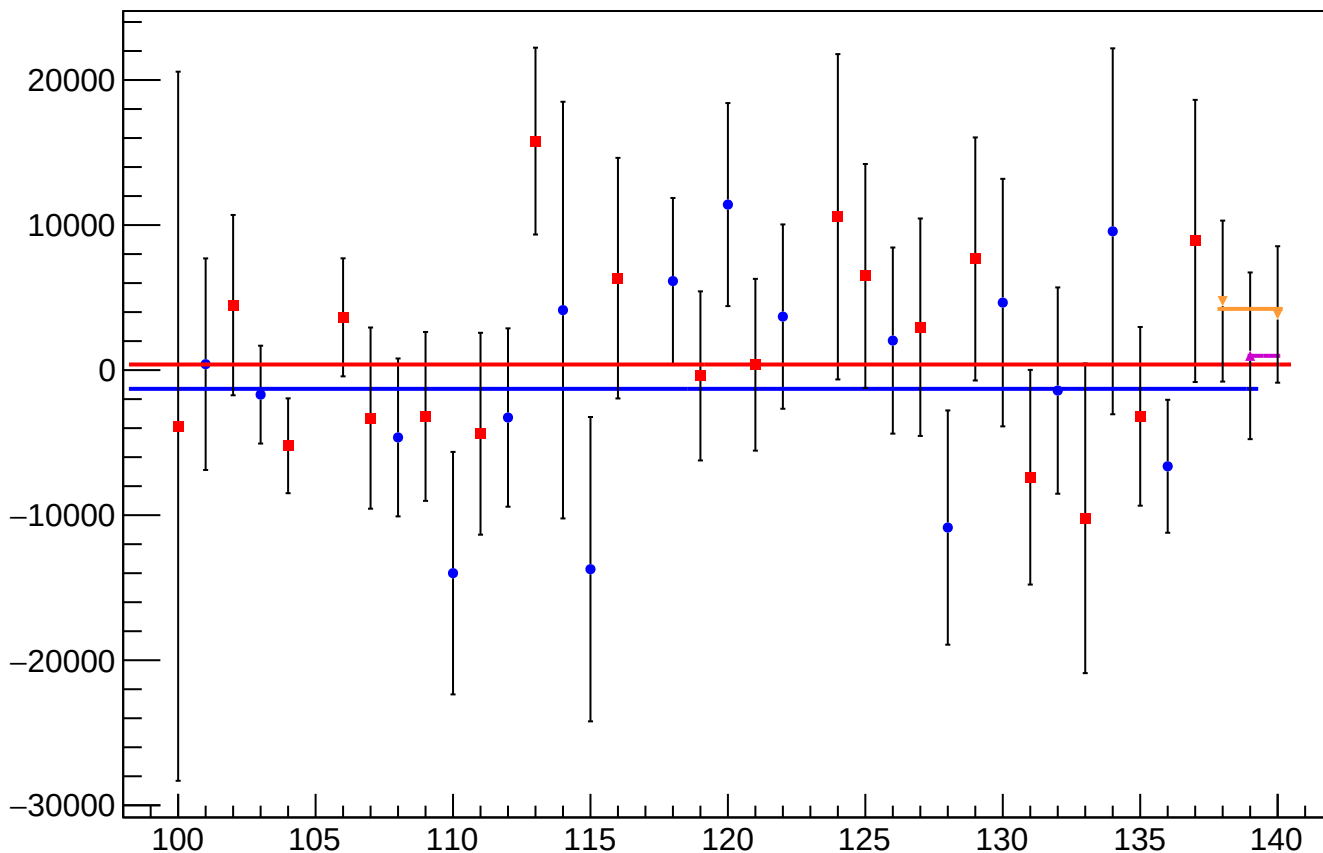
Left In: 1892.500 $\pm$ 1.455 χ^2 /NDF: 0.0/0

+ sign 1916.962 $\pm$ 0.464 χ^2 /NDF: 697513.4/17

All: 1907.994 $\pm$ 0.332 χ^2 /NDF: 913949.5/37

- sign 1898.634 $\pm$ 0.474 χ^2 /NDF: 215674.0/19

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862 ± 1585.435 χ^2/NDF : 14.3/15

Left Out: 4221.941 ± 3588.115 χ^2/NDF : 0.0/1

Right Out: 387.626 ± 1451.530 χ^2/NDF : 17.0/18

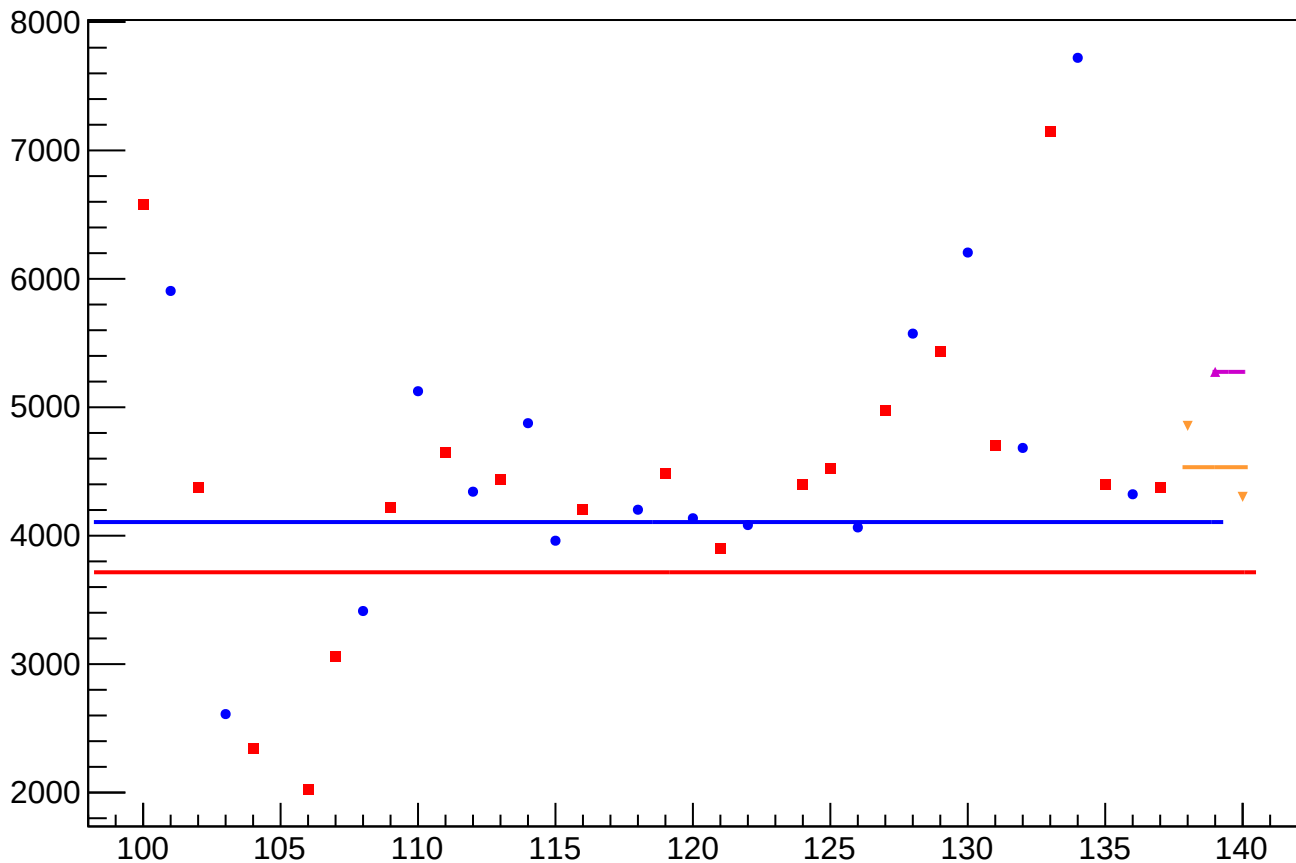
Left In: 986.817 ± 5746.130 χ^2/NDF : 0.0/0

+ sign -390.365 ± 1450.178 χ^2/NDF : 16.2/17

All: 28.806 ± 1009.938 χ^2/NDF : 33.4/37

- sign 423.568 ± 1407.323 χ^2/NDF : 17.0/19

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF : 955631.2/15

Left Out: 4533.485+/-2.537 χ^2/NDF : 11543.4/1

Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

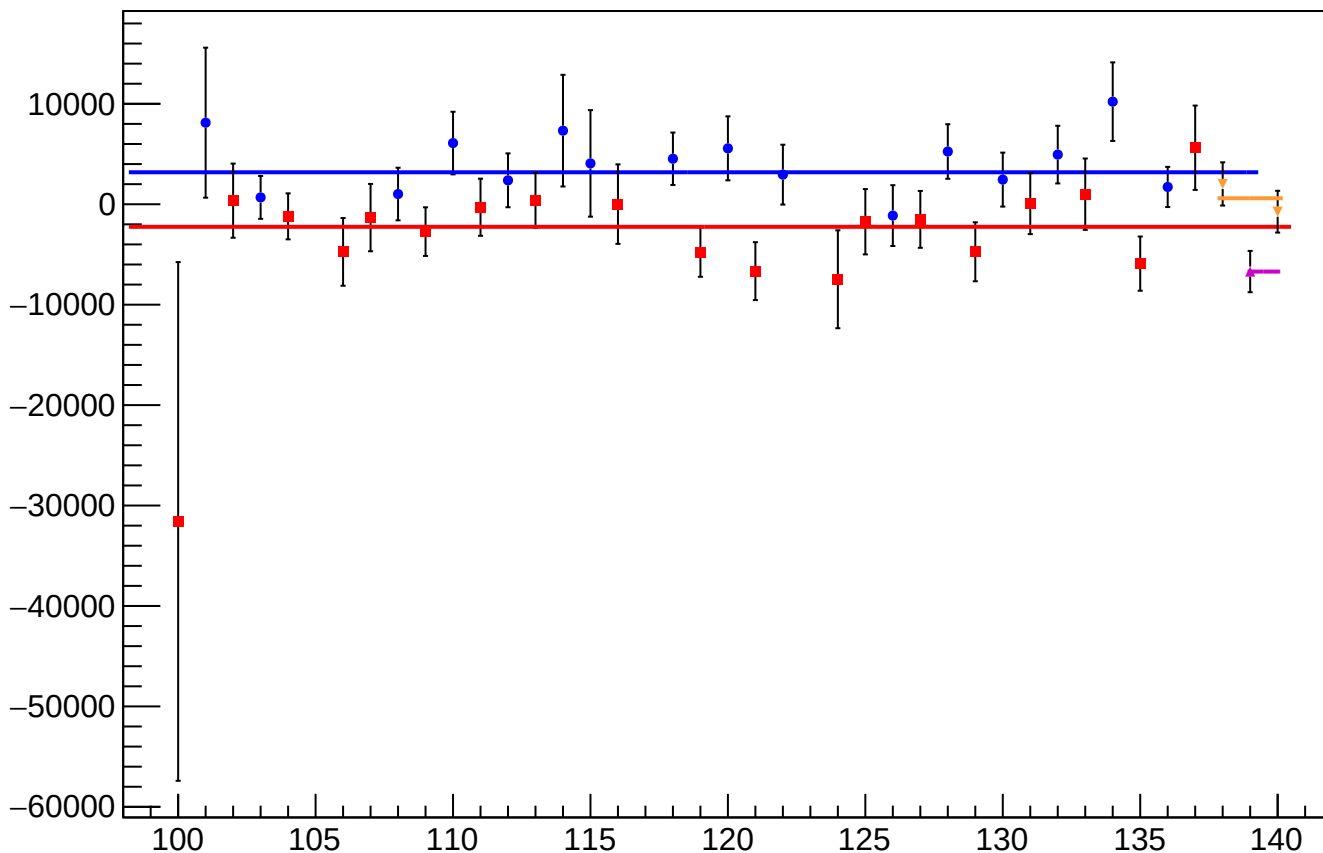
Left In: 5275.701+/-4.063 χ^2/NDF : 0.0/0

+ sign 4176.024+/-1.025 χ^2/NDF : 990899.8/17

All: 3986.910+/-0.714 χ^2/NDF : 2530701.3/37

- sign 3808.808+/-0.995 χ^2/NDF : 1473757.5/19

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF : 11.7/15

Left Out: 595.475+/-1494.986 χ^2/NDF : 0.9/1

Right Out: -2247.193+/-710.916 χ^2/NDF : 16.5/18

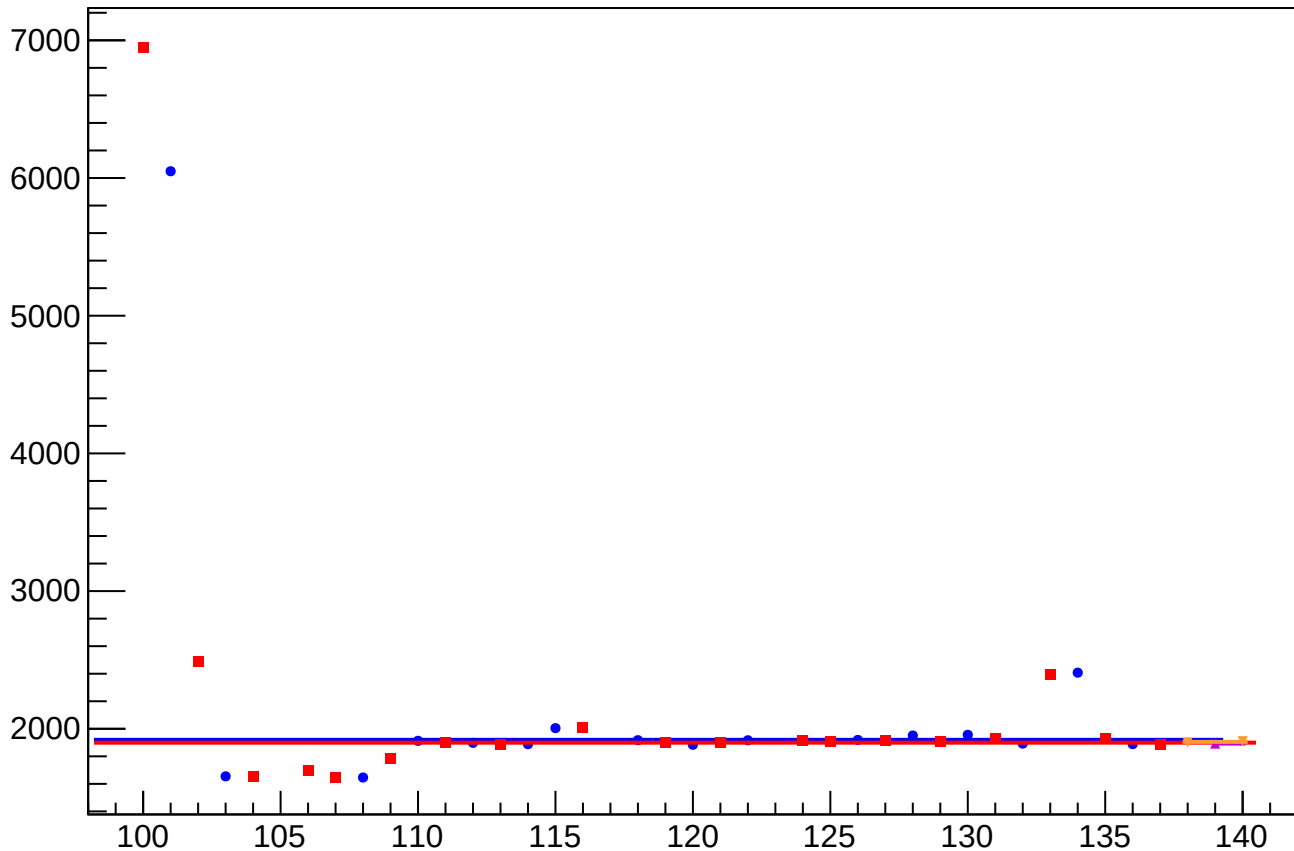
Left In: -6703.700+/-2057.051 χ^2/NDF : 0.0/0

+ sign 2683.554+/-656.795 χ^2/NDF : 15.0/17

All: 41.970+/-469.681 χ^2/NDF : 68.8/37

- sign -2722.682+/-671.921 χ^2/NDF : 20.7/19

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827 $\pm$ 0.517 χ^2 /NDF: 697330.6/15

Left Out: 1904.983 $\pm$ 1.057 χ^2 /NDF: 23.6/1

Right Out: 1899.364 $\pm$ 0.502 χ^2 /NDF: 215654.1/18

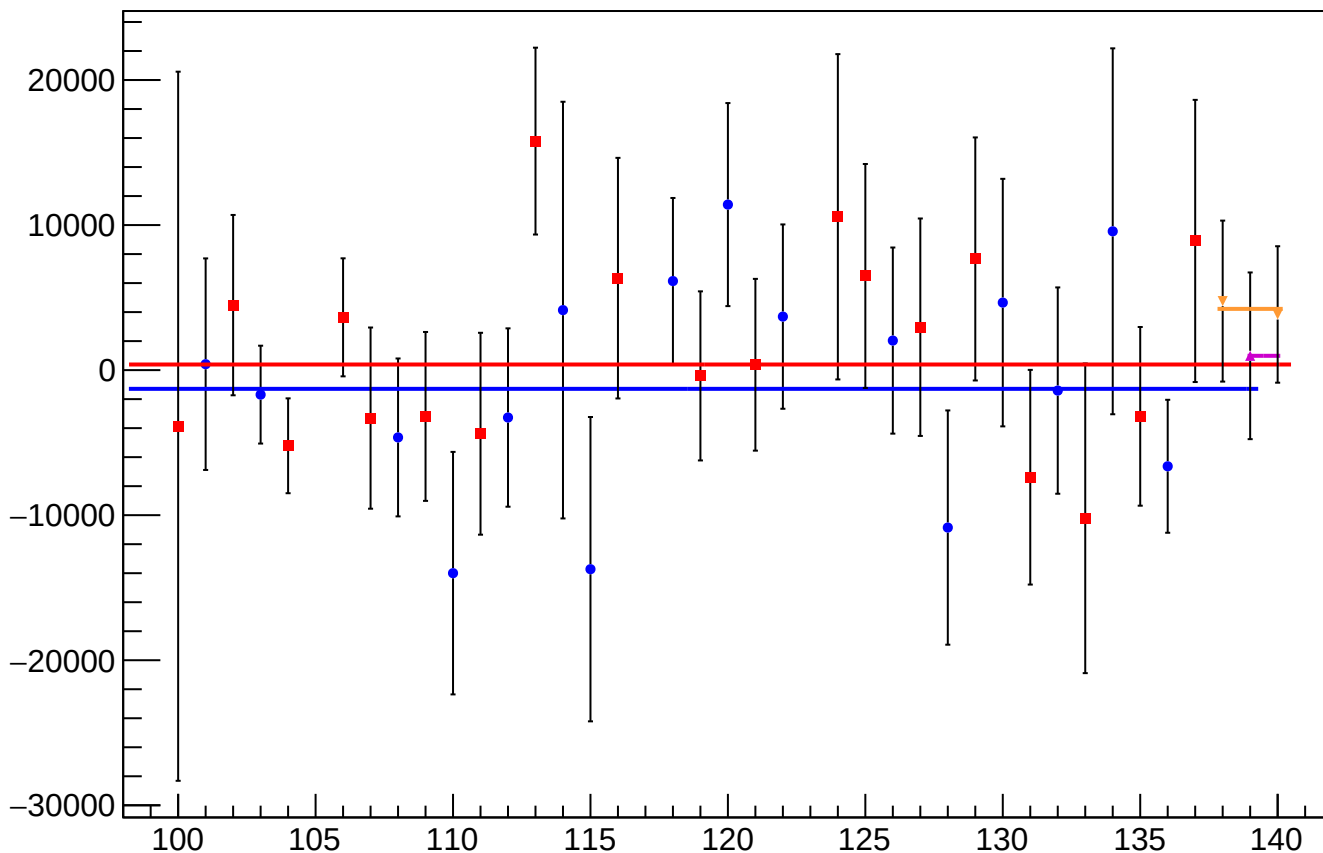
Left In: 1892.500 $\pm$ 1.455 χ^2 /NDF: 0.0/0

+ sign 1916.962 $\pm$ 0.464 χ^2 /NDF: 697513.4/17

All: 1907.994 $\pm$ 0.332 χ^2 /NDF: 913949.5/37

- sign 1898.634 $\pm$ 0.474 χ^2 /NDF: 215674.0/19

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862 ± 1585.435 χ^2/NDF : 14.3/15

Left Out: 4221.941 ± 3588.115 χ^2/NDF : 0.0/1

Right Out: 387.626 ± 1451.530 χ^2/NDF : 17.0/18

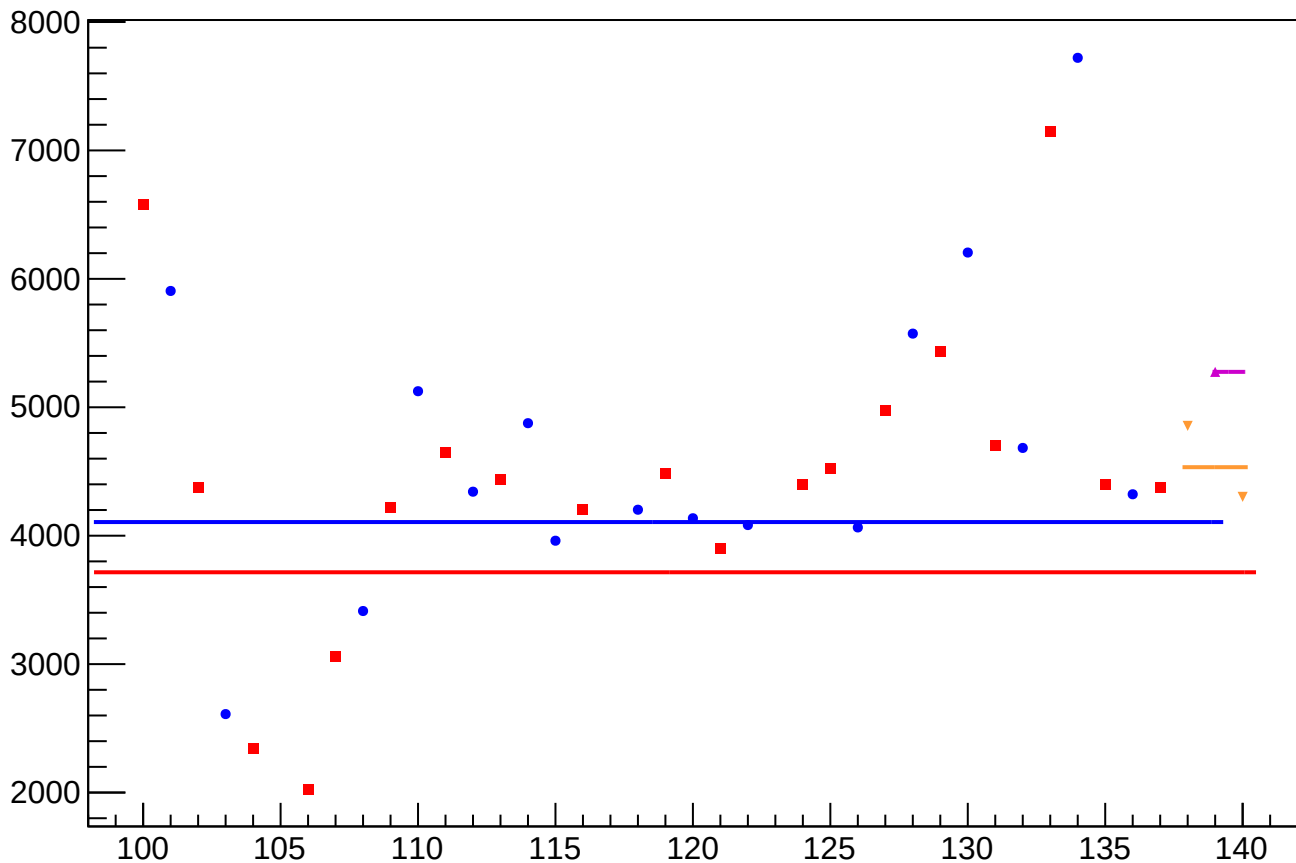
Left In: 986.817 ± 5746.130 χ^2/NDF : 0.0/0

+ sign -390.365 ± 1450.178 χ^2/NDF : 16.2/17

All: 28.806 ± 1009.938 χ^2/NDF : 33.4/37

- sign 423.568 ± 1407.323 χ^2/NDF : 17.0/19

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF : 955631.2/15

Left Out: 4533.485+/-2.537 χ^2/NDF : 11543.4/1

+ sign 4176.024+/-1.025 χ^2/NDF : 990899.8/17

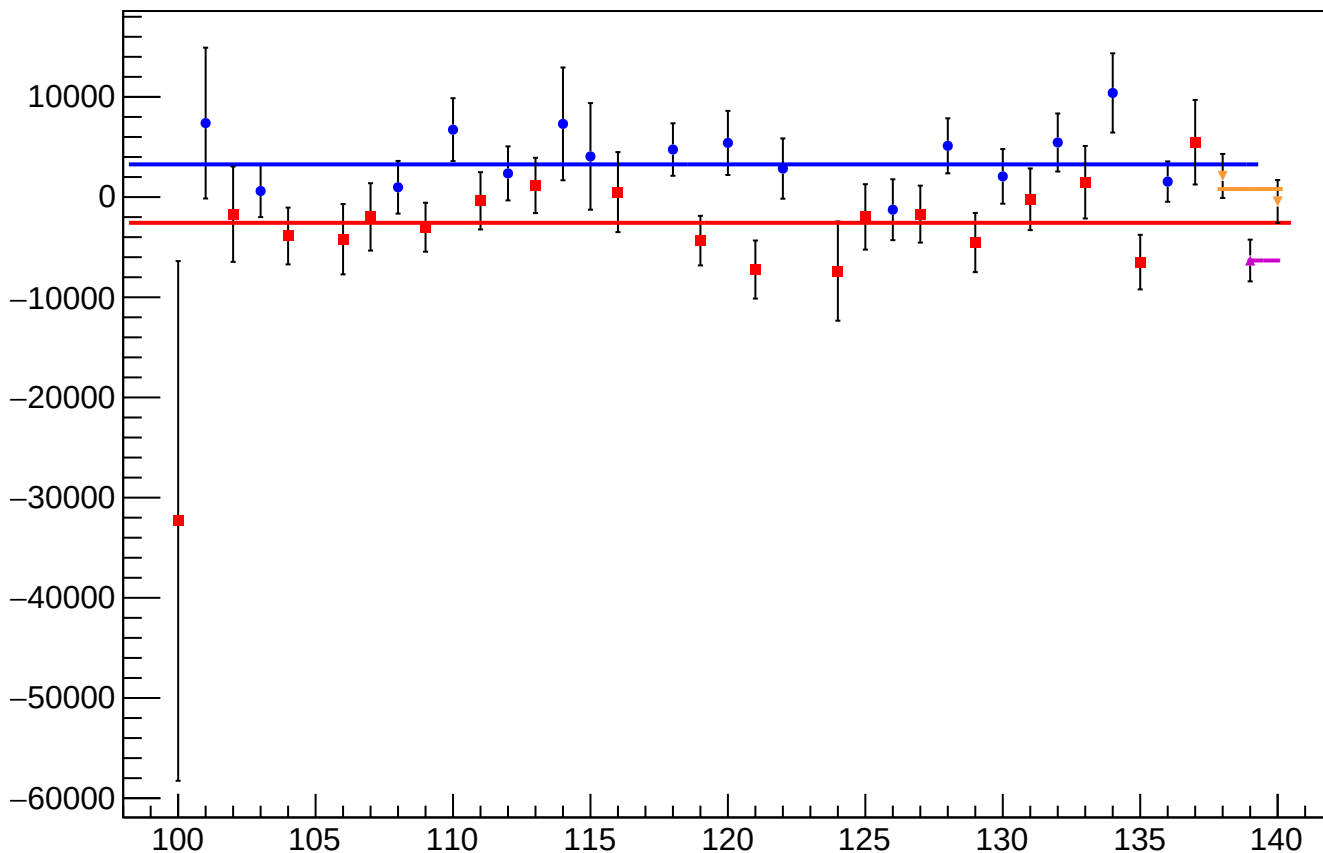
Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

All: 3986.910+/-0.714 χ^2/NDF : 2530701.3/37

- sign 3808.808+/-0.995 χ^2/NDF : 1473757.5/19

Left In: 5275.701+/-4.063 χ^2/NDF : 0.0/0

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF : 12.2/15

Left Out: 802.876+/-1531.086 χ^2/NDF : 0.7/1

Right Out: -2566.683+/-734.876 χ^2/NDF : 17.0/18

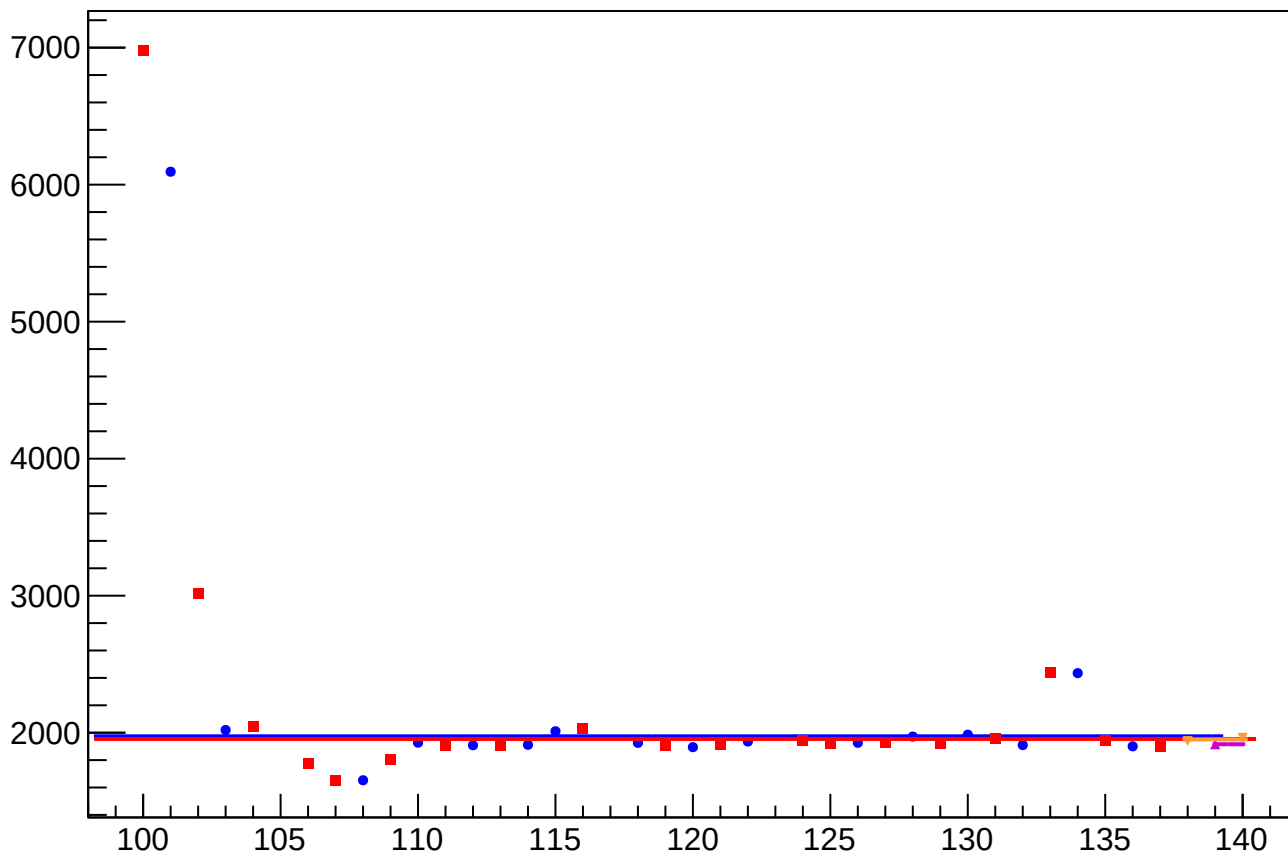
Left In: -6329.153+/-2082.528 χ^2/NDF : 0.0/0

+ sign 2787.360+/-674.159 χ^2/NDF : 14.9/17

All: -18.489+/-483.224 χ^2/NDF : 70.5/37

- sign -2983.313+/-692.995 χ^2/NDF : 19.9/19

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748 $\pm$ 0.531 χ^2 /NDF: 665124.2/15

Left Out: 1950.815 $\pm$ 1.083 χ^2 /NDF:121.8/1

Right Out: 1954.339 $\pm$ 0.519 χ^2 /NDF: 246211.3/18

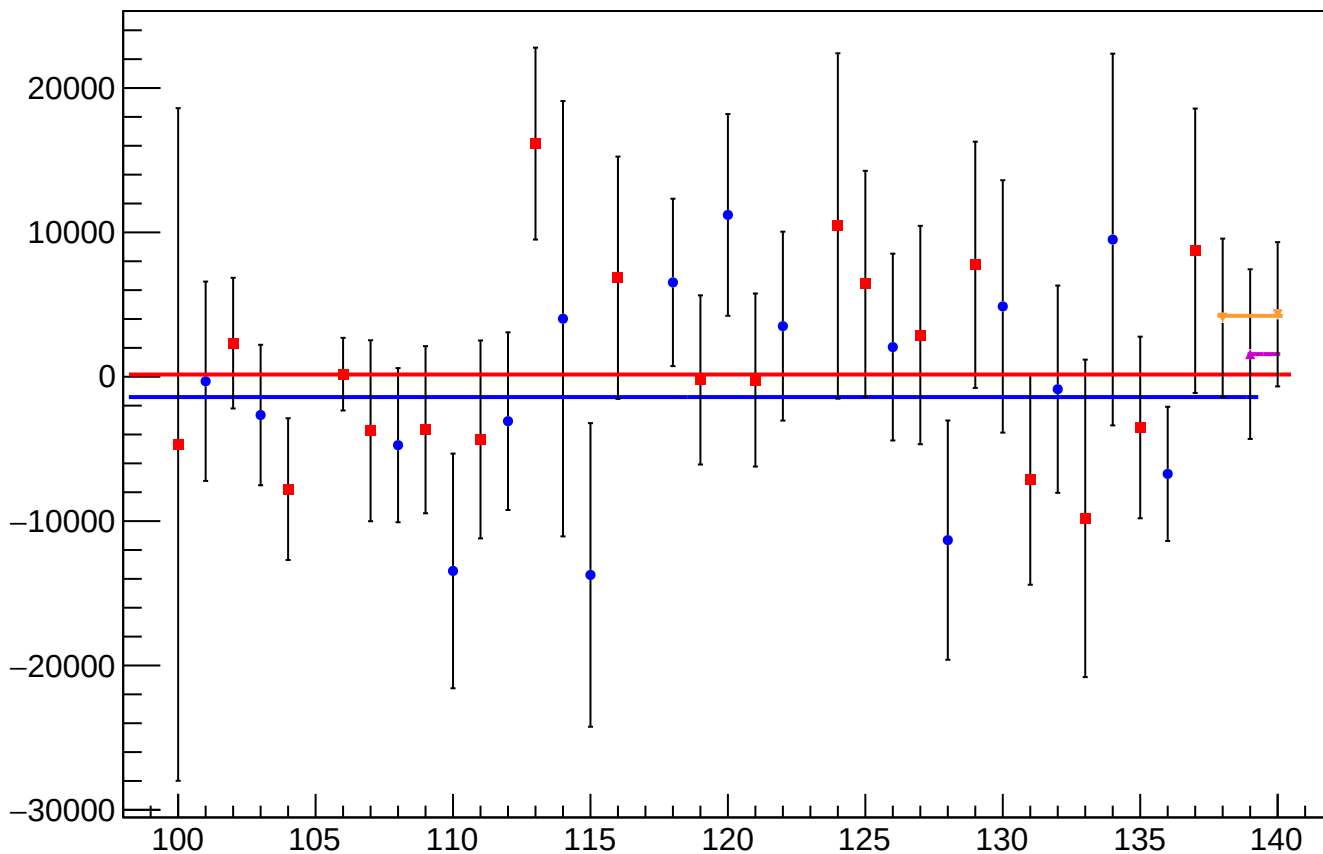
Left In: 1915.782 $\pm$ 1.473 χ^2 /NDF:0.0/0

+ sign 1969.302 $\pm$ 0.477 χ^2 /NDF: 665607.8/17

All: 1959.946 $\pm$ 0.342 χ^2 /NDF: 913220.4/37

- sign 1950.076 $\pm$ 0.490 χ^2 /NDF: 246821.1/19

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382 ± 1689.989 χ^2/NDF : 14.2/15

Left Out: 4219.646 ± 3693.111 χ^2/NDF : 0.0/1

Right Out: 155.271 ± 1363.642 χ^2/NDF : 15.8/18

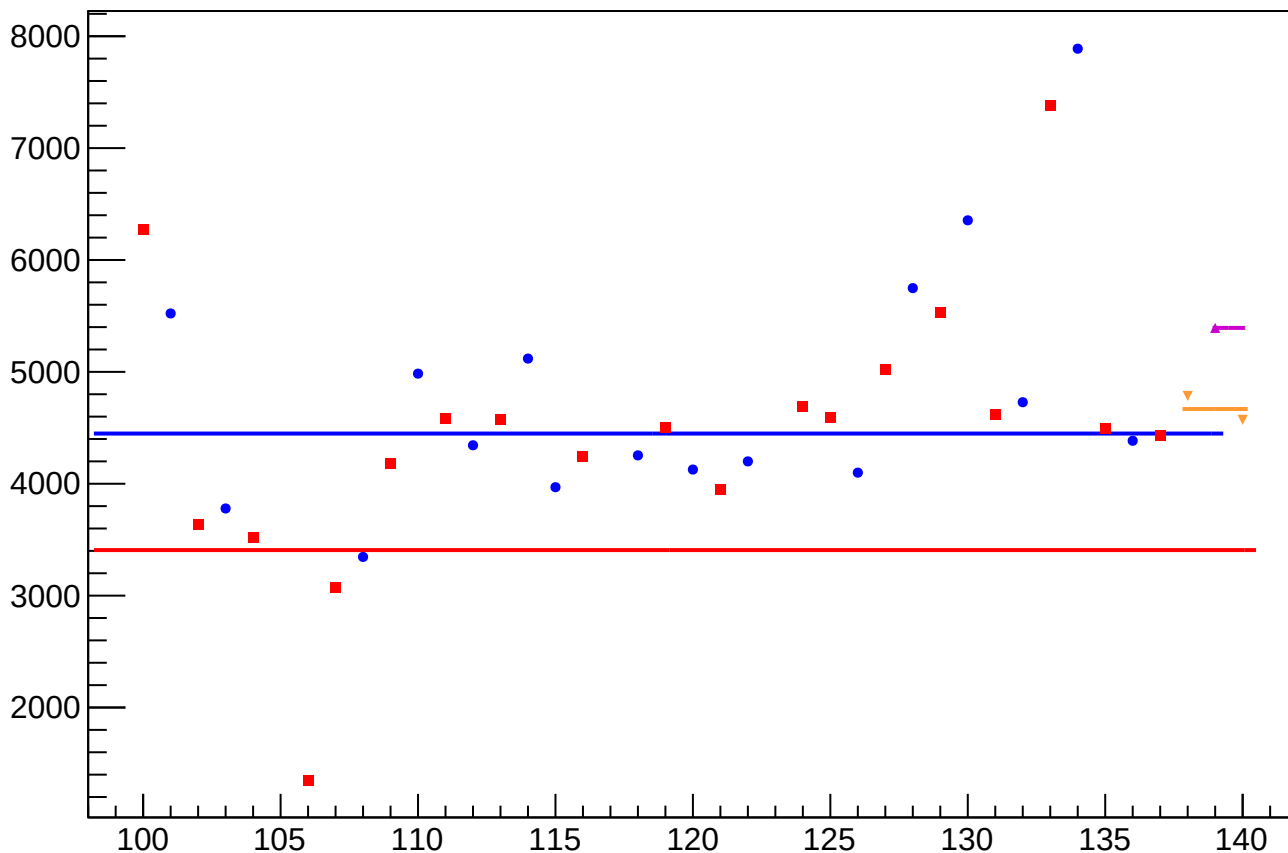
Left In: 1568.699 ± 5876.557 χ^2/NDF : 0.0/0

+ sign -433.086 ± 1536.732 χ^2/NDF : 16.1/17

All: -55.005 ± 1004.946 χ^2/NDF : 32.1/37

- sign 227.490 ± 1328.348 χ^2/NDF : 15.9/19

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF : 494613.5/15

Left Out: 4668.259+/-2.611 χ^2/NDF : 1659.4/1

Right Out: 3407.128+/-0.964 χ^2/NDF : 2326060.4/18

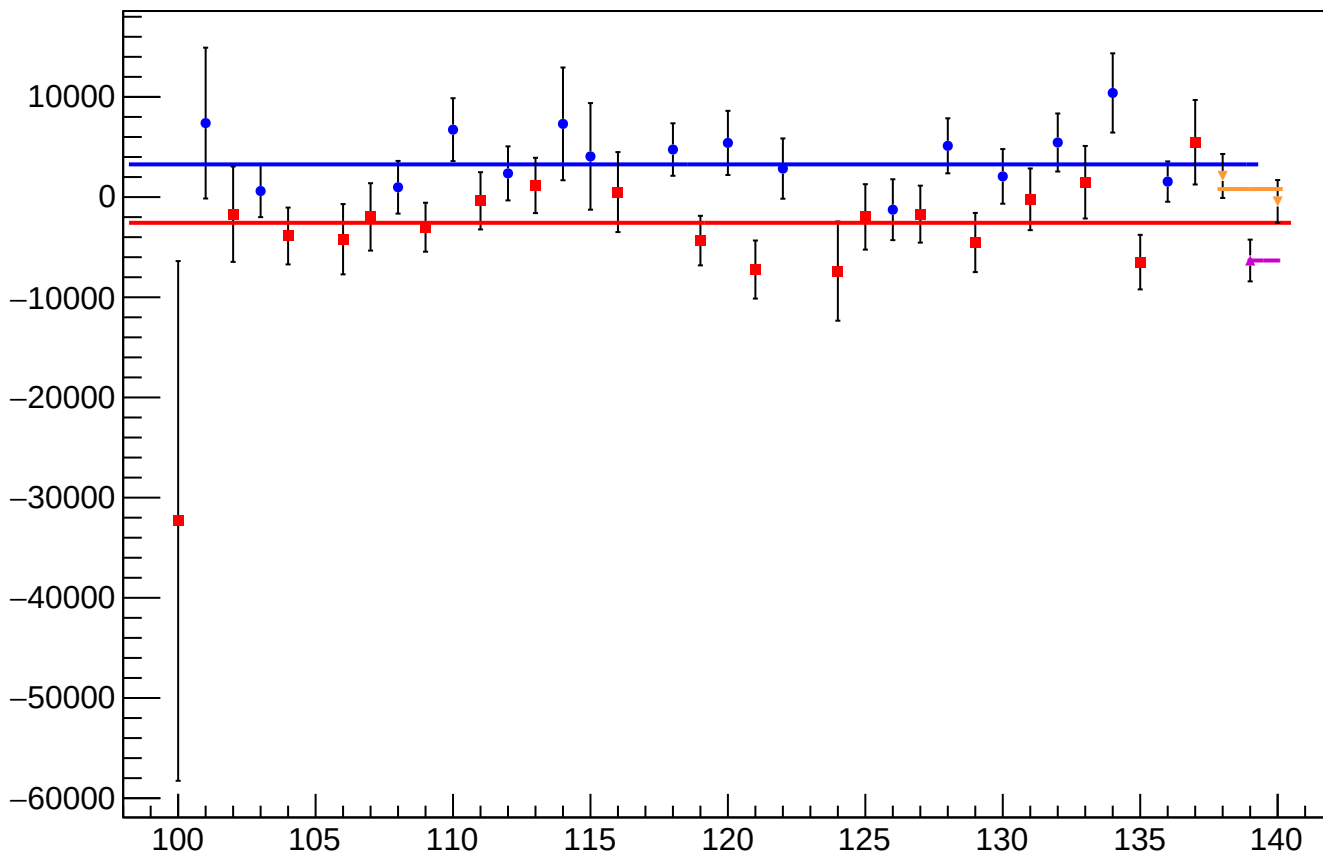
Left In: 5393.048+/-4.155 χ^2/NDF : 0.0/0

+ sign 4486.725+/-1.087 χ^2/NDF : 502117.2/17

All: 3926.894+/-0.711 χ^2/NDF : 3508664.5/37

- sign 3508.598+/-0.939 χ^2/NDF : 2542796.0/19

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF : 12.2/15

Left Out: 802.871+/-1531.086 χ^2/NDF : 0.7/1

Right Out: -2566.689+/-734.875 χ^2/NDF : 17.0/18

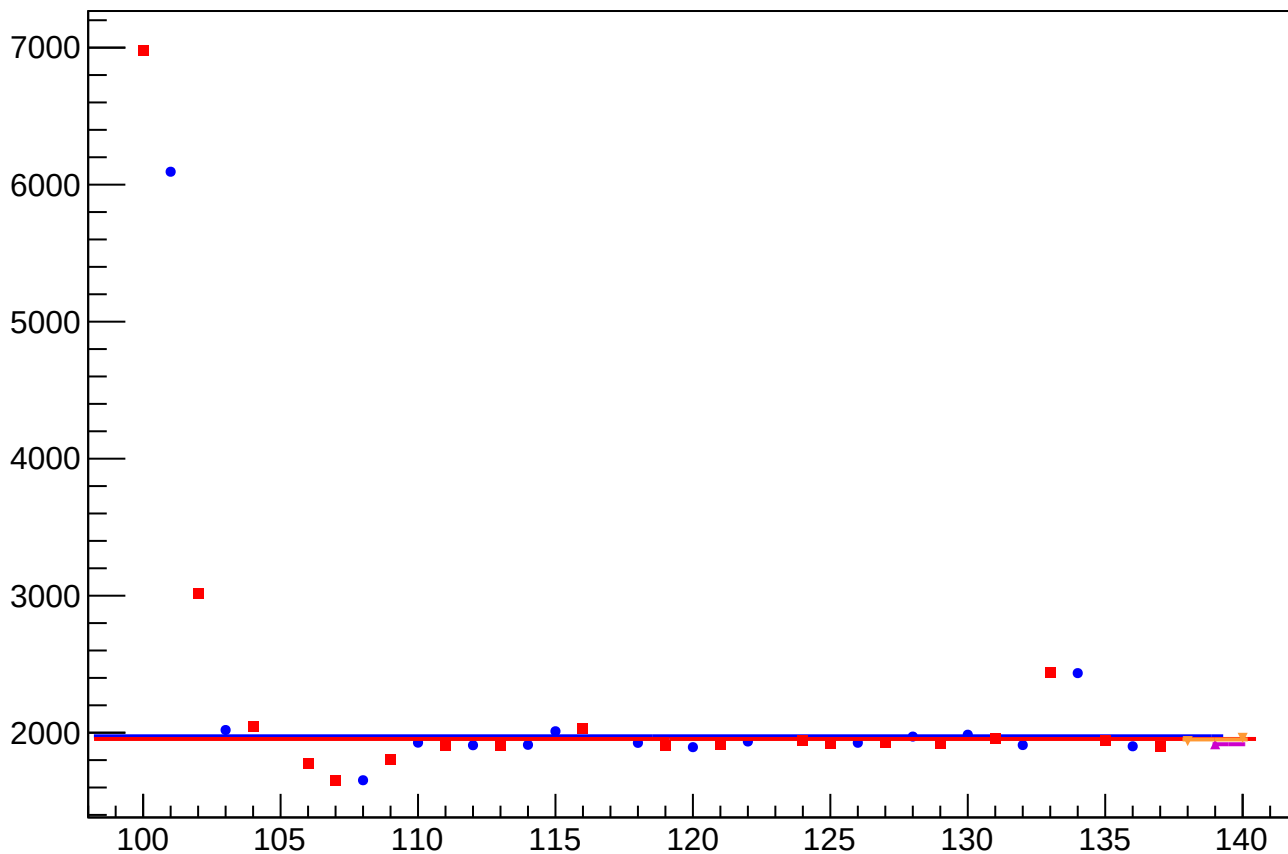
Left In: -6329.114+/-2082.529 χ^2/NDF : 0.0/0

+ sign 2787.363+/-674.159 χ^2/NDF : 14.9/17

All: -18.488+/-483.224 χ^2/NDF : 70.5/37

- sign -2983.314+/-692.994 χ^2/NDF : 19.9/19

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748 $\pm$ 0.531 χ^2 /NDF: 665124.2/15

Left Out: 1950.816 $\pm$ 1.083 χ^2 /NDF:121.8/1

Right Out: 1954.339 $\pm$ 0.519 χ^2 /NDF: 246210.8/18

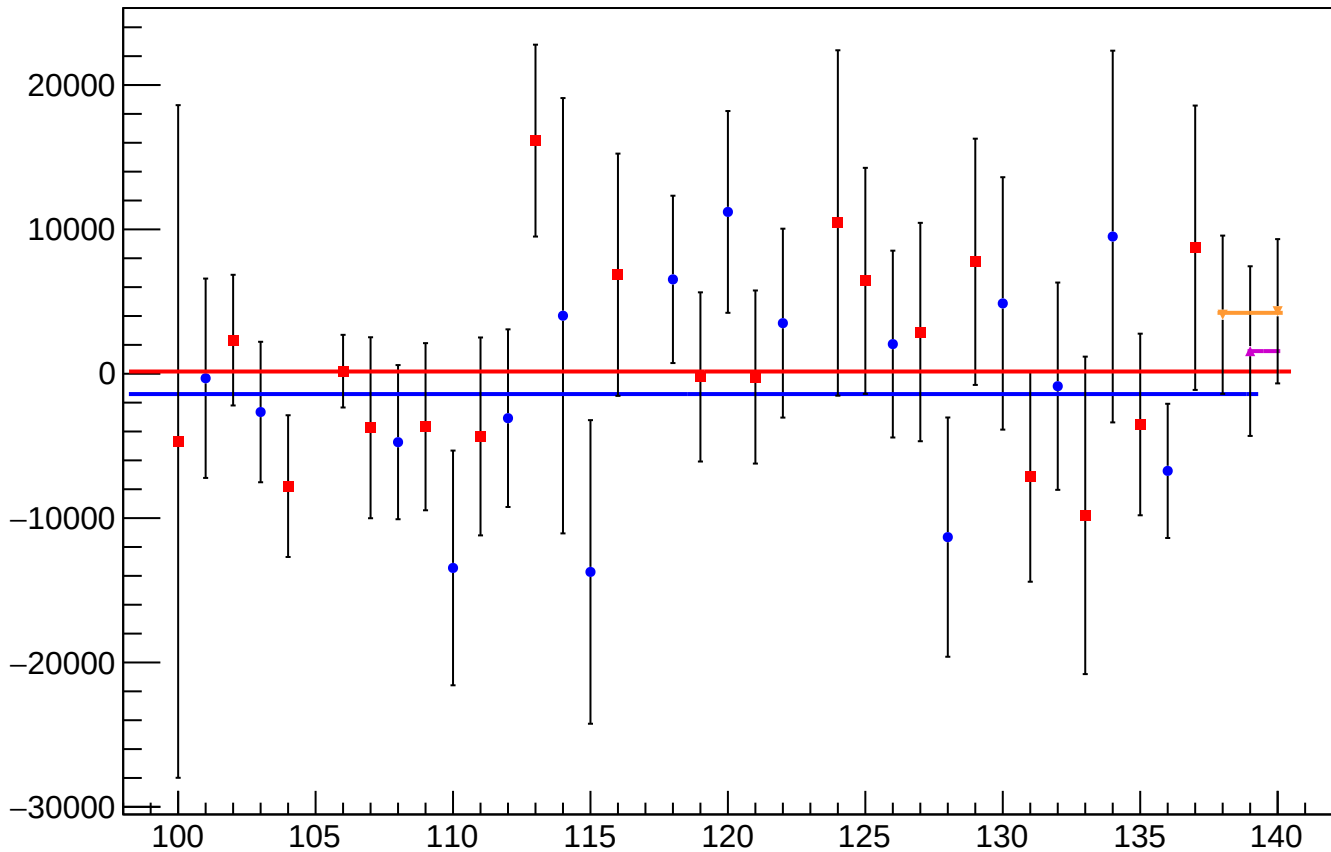
Left In: 1915.782 $\pm$ 1.473 χ^2 /NDF:0.0/0

+ sign 1969.302 $\pm$ 0.477 χ^2 /NDF: 665607.7/17

All: 1959.946 $\pm$ 0.342 χ^2 /NDF: 913219.8/37

- sign 1950.076 $\pm$ 0.490 χ^2 /NDF: 246820.6/19

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1407.363+/-1689.986 χ^2/NDF : 14.2/15

Left Out: 4219.642+/-3693.113 χ^2/NDF : 0.0/1

Right Out: 155.272+/-1363.639 χ^2/NDF : 15.8/18

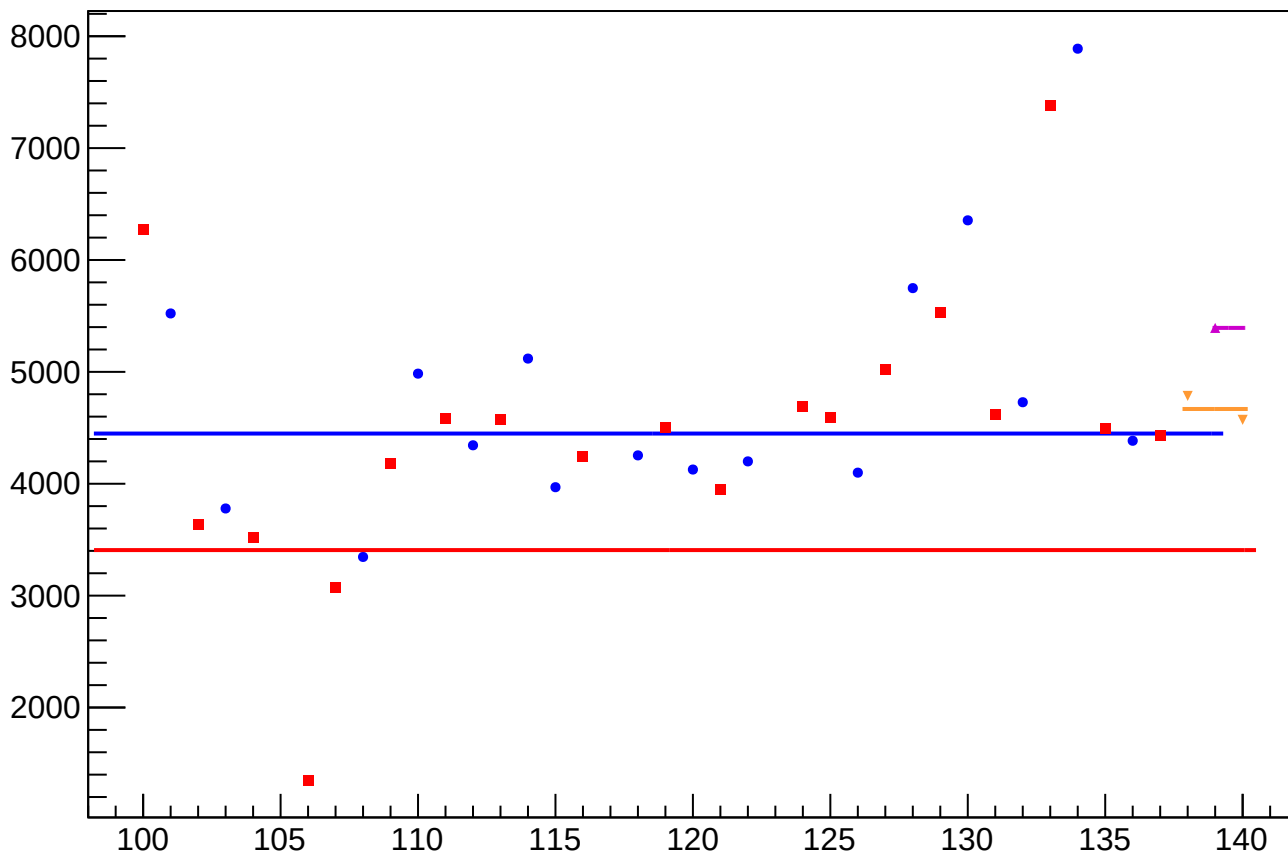
Left In: 1568.747+/-5876.568 χ^2/NDF : 0.0/0

+ sign -433.075+/-1536.730 χ^2/NDF : 16.1/17

All: -54.999+/-1004.944 χ^2/NDF : 32.1/37

- sign 227.493+/-1328.345 χ^2/NDF : 15.9/19

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF : 494610.6/15

Left Out: 4668.262+/-2.611 χ^2/NDF : 1659.5/1

+ sign 4486.719+/-1.087 χ^2/NDF : 502114.9/17

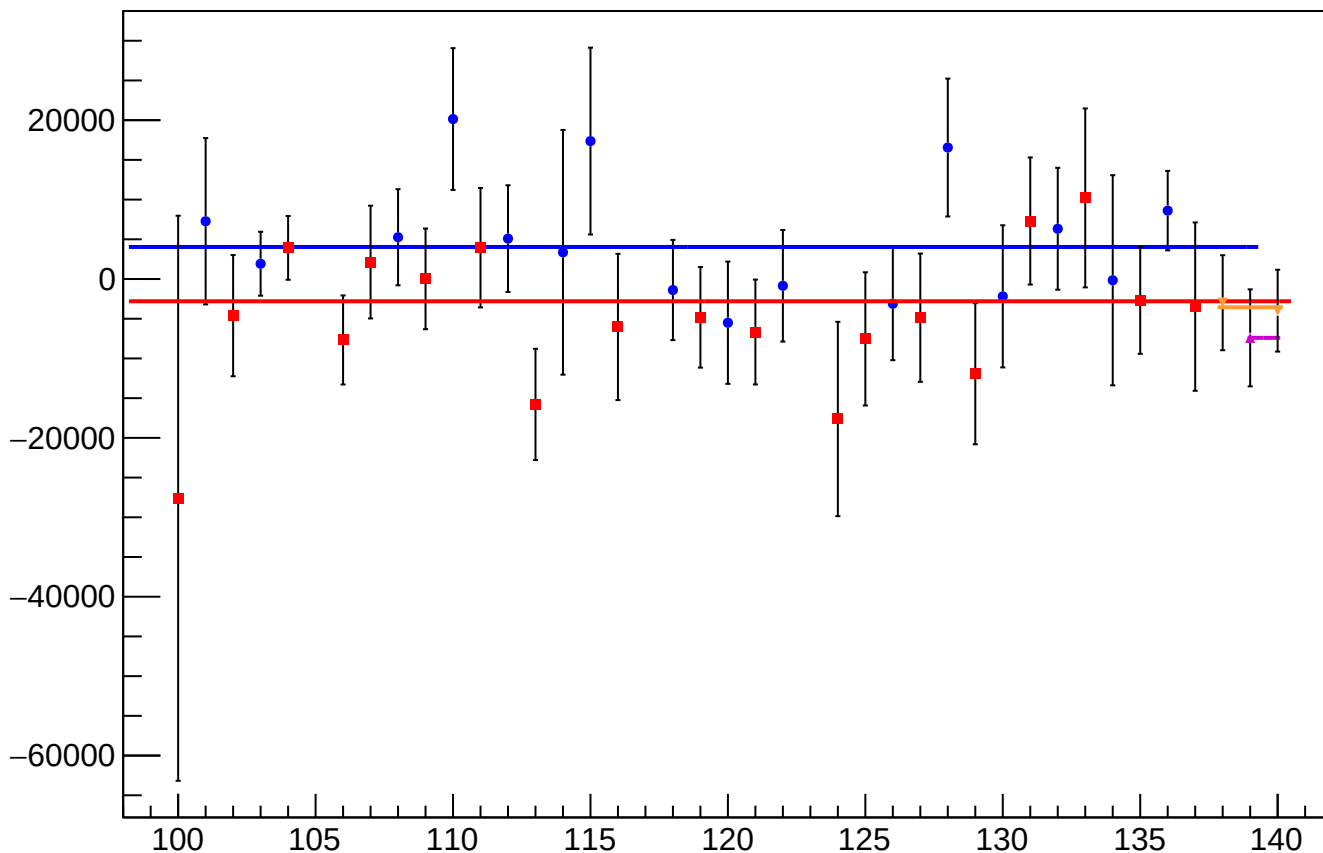
Right Out: 3407.120+/-0.964 χ^2/NDF : 2326064.2/18

All: 3926.887+/-0.711 χ^2/NDF : 3508672.9/37

- sign 3508.590+/-0.939 χ^2/NDF : 2542803.0/19

Left In: 5393.057+/-4.155 χ^2/NDF : 0.0/0

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF : 12.3/15

Left Out: -3558.769+/-3903.752 χ^2/NDF : 0.0/1

Right Out: -2800.547+/-1671.877 χ^2/NDF : 15.4/18

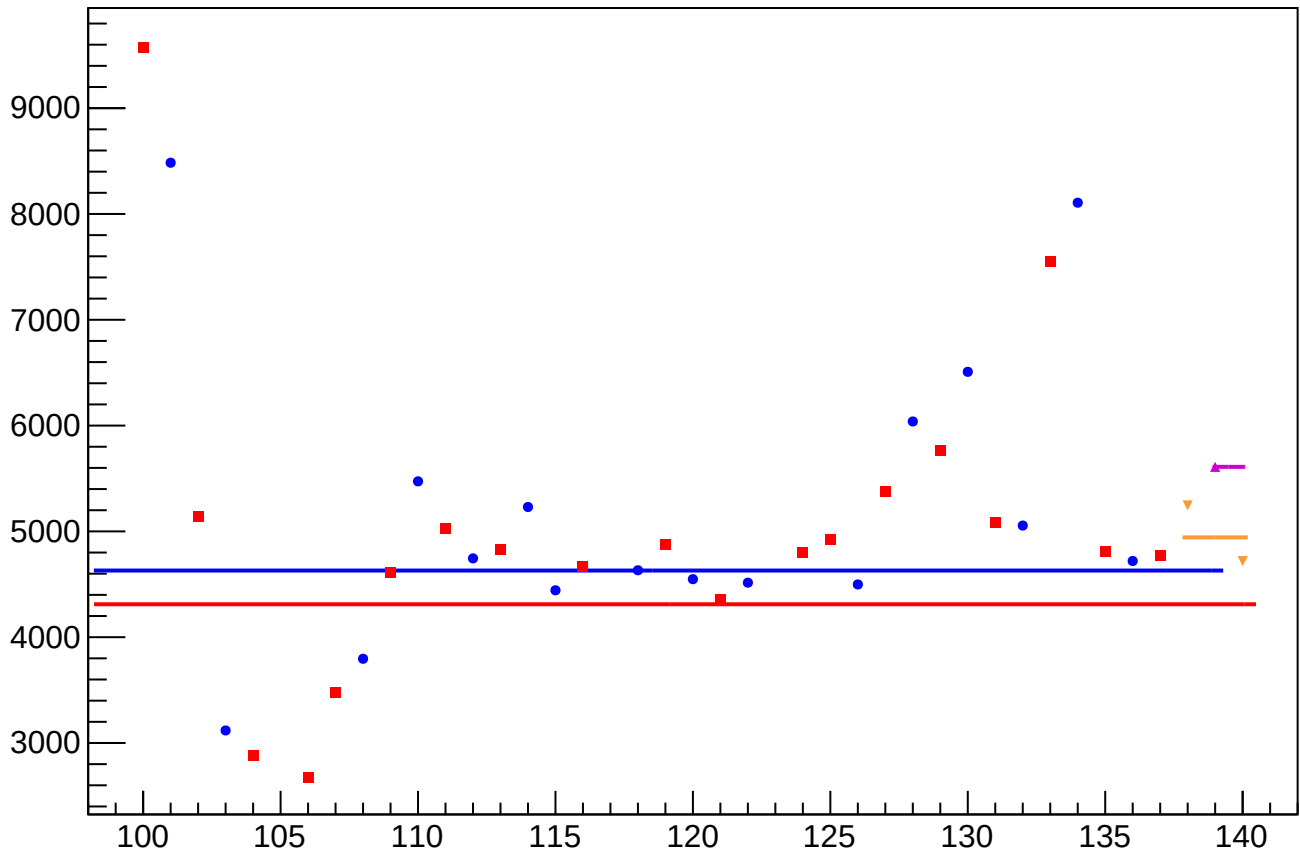
Left In: -7406.939+/-6107.739 χ^2/NDF : 0.0/0

+ sign 2725.108+/-1621.110 χ^2/NDF : 15.5/17

All: -213.733+/-1143.261 χ^2/NDF : 38.0/37

- sign -3121.639+/-1612.555 χ^2/NDF : 16.0/19

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF : 900246.3/15

Left Out: 4943.350+/-2.760 χ^2/NDF : 8898.6/1

Right Out: 4311.218+/-1.172 χ^2/NDF : 904737.2/18

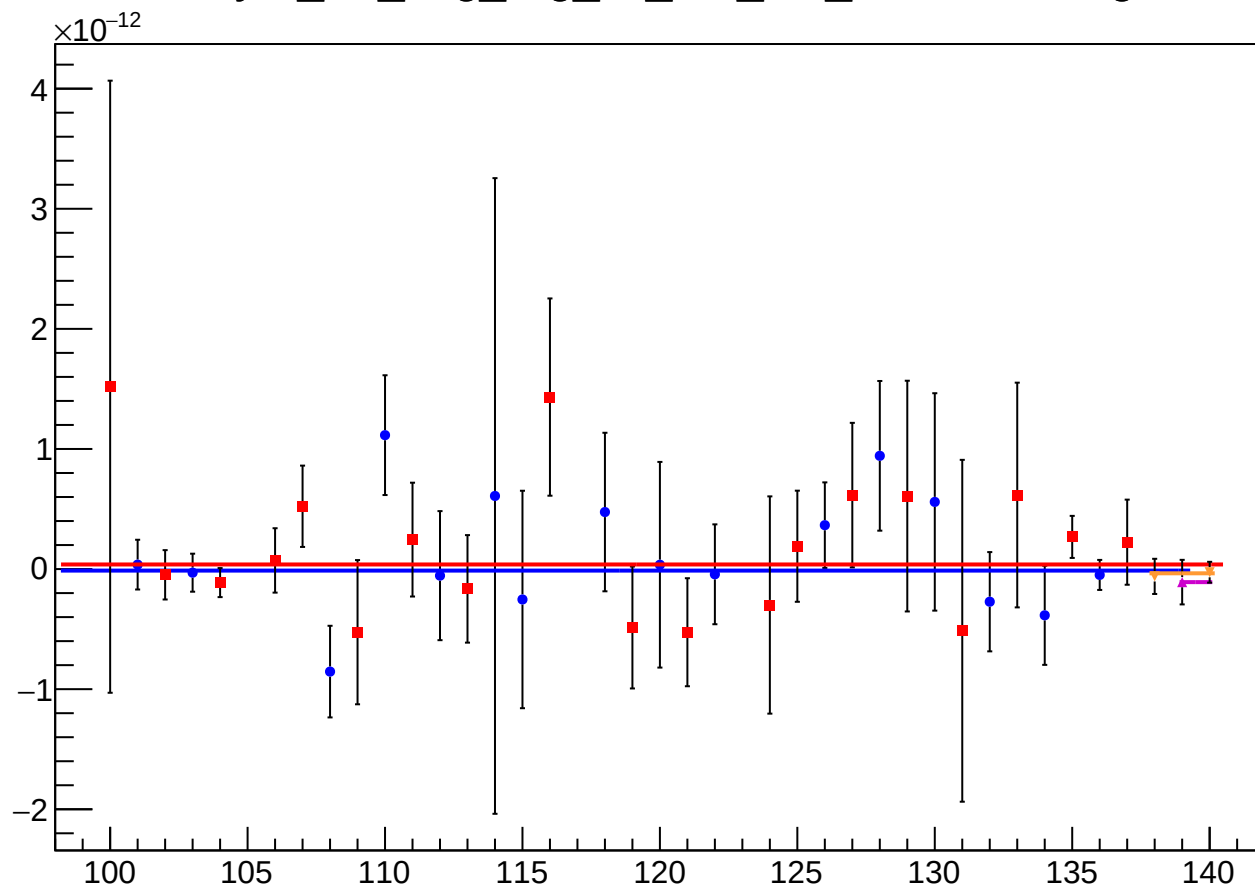
Left In: 5609.888+/-4.319 χ^2/NDF : 0.0/0

+ sign 4684.010+/-1.146 χ^2/NDF : 919811.1/17

All: 4540.252+/-0.805 χ^2/NDF : 1939807.4/37

- sign 4400.290+/-1.131 χ^2/NDF : 988955.9/19

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 : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.0/18

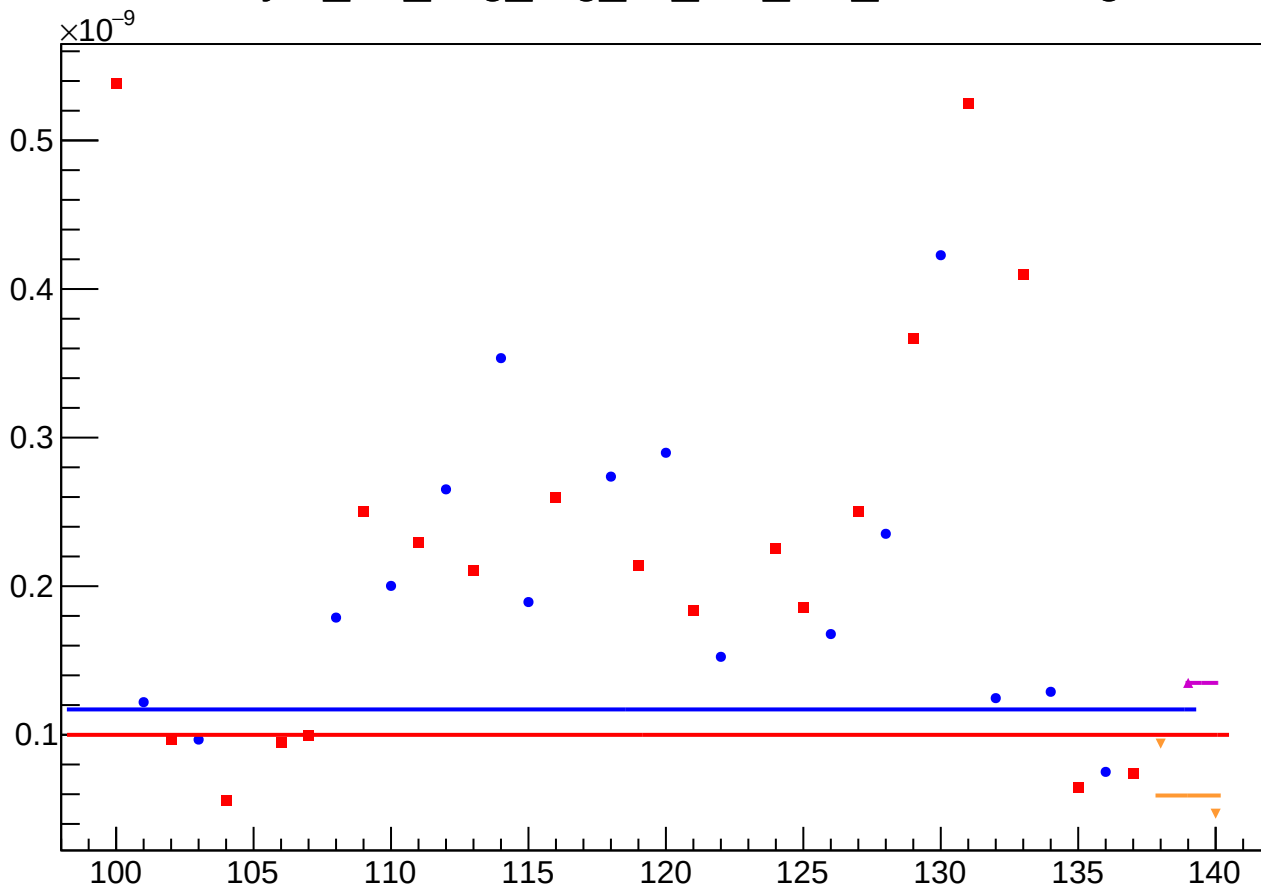
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 16.0/17

All: -0.000 ± 0.000 χ^2/NDF : 31.8/37

- sign 0.000 ± 0.000 χ^2/NDF : 15.5/19

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 153544.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1844111.3/18

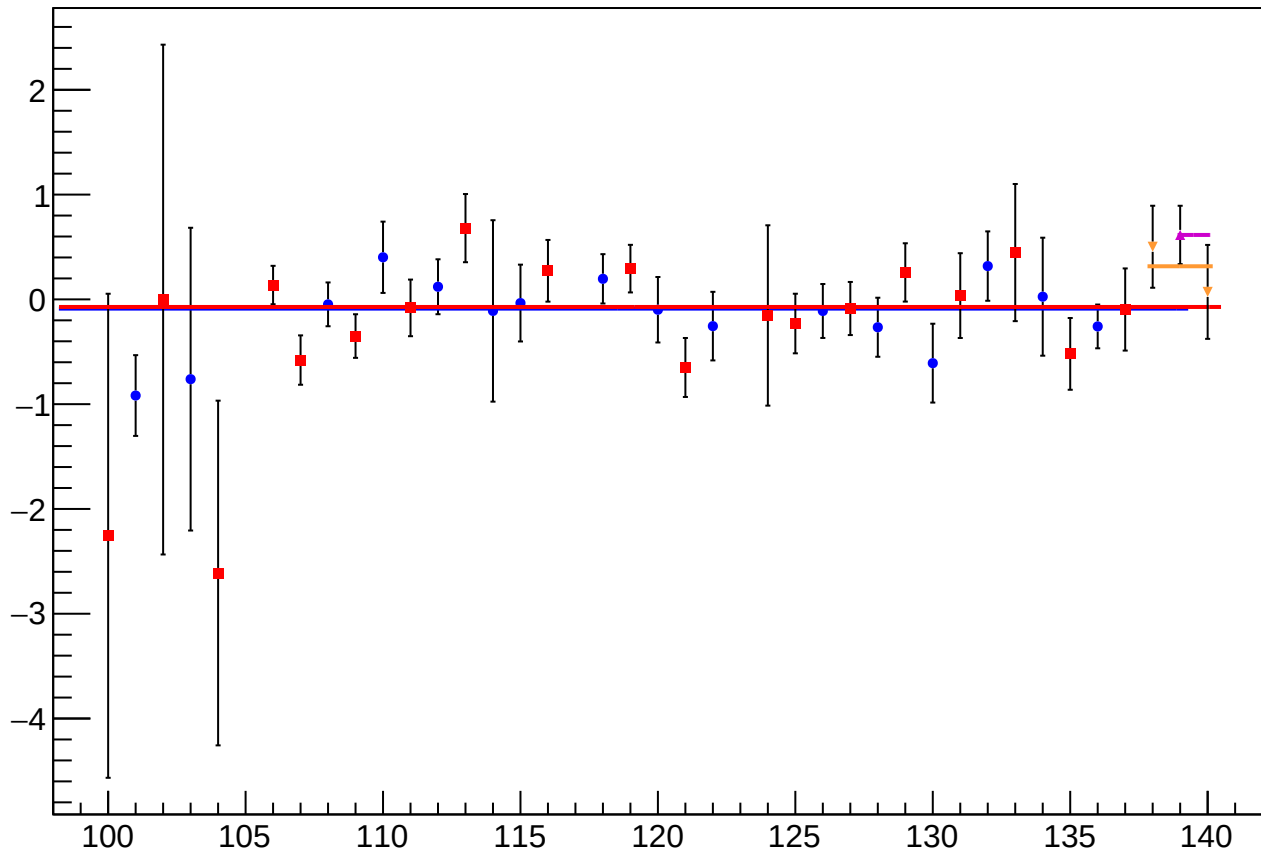
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1850214.4/17

All: 0.000+/-0.000 χ^2/NDF : 3832456.6/37

- sign 0.000+/-0.000 χ^2/NDF : 1905730.6/19

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

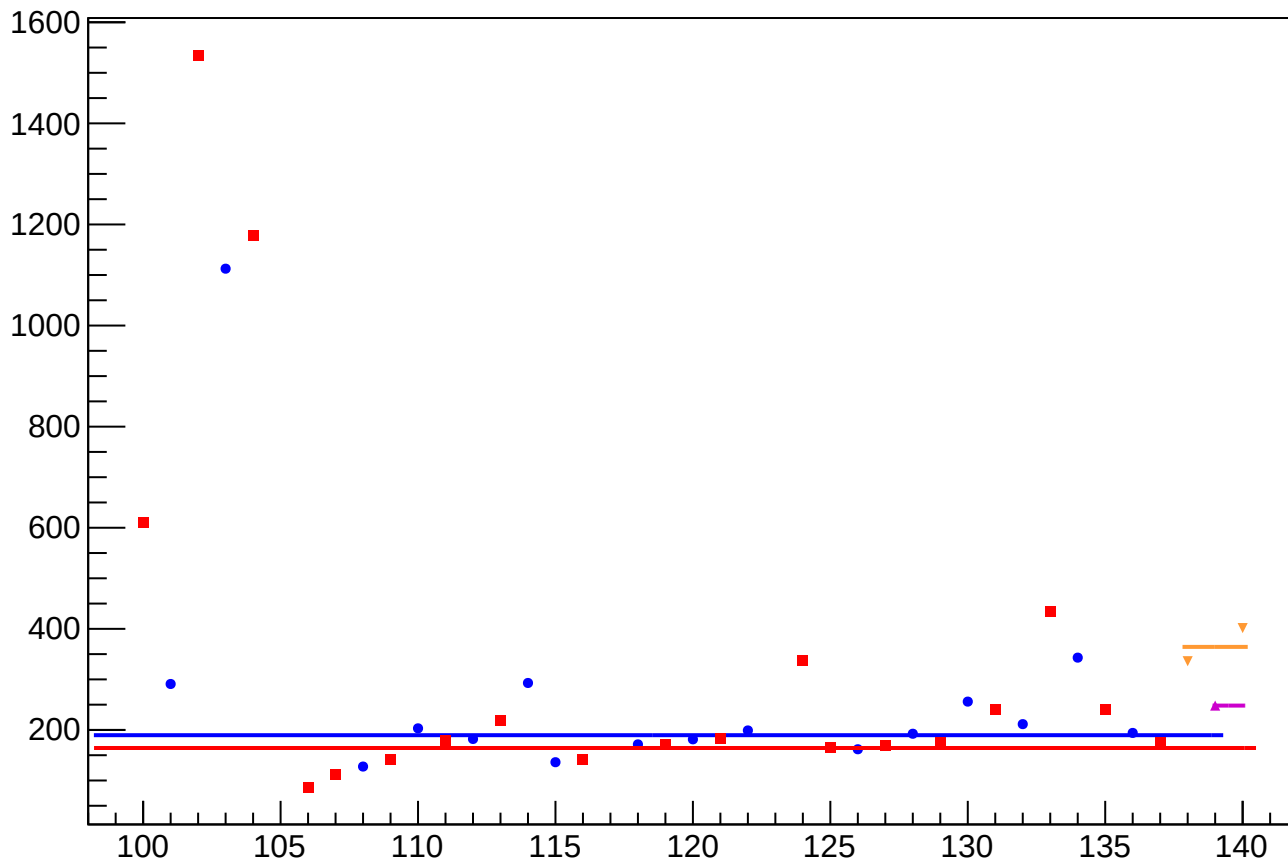
Left In: 0.615 ± 0.278 χ^2/NDF : 0.0/0

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.046 ± 0.050 χ^2/NDF : 50.6/37

- sign -0.032 ± 0.068 χ^2/NDF : 34.4/19

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 0.054 χ^2 /NDF: 1465476.9/15

Left Out: 364.292 $\pm$ 0.208 χ^2 /NDF:24290.6/1

Right Out: 164.287 $\pm$ 0.050 χ^2 /NDF: 2643490.2/18

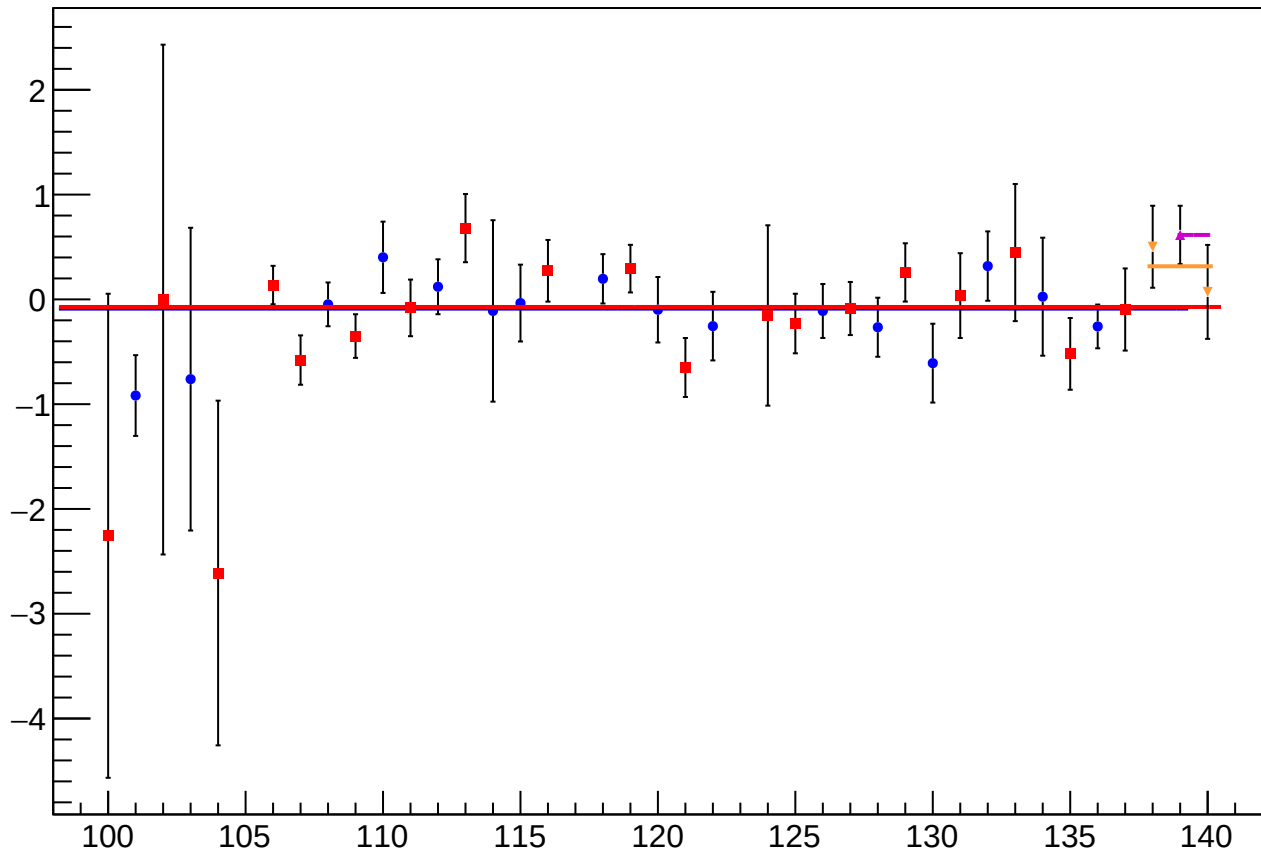
Left In: 248.181 $\pm$ 0.197 χ^2 /NDF:0.0/0

+ sign 200.719 $\pm$ 0.053 χ^2 /NDF: 2147186.7/17

All: 183.586 $\pm$ 0.035 χ^2 /NDF: 5156613.8/37

- sign 169.274 $\pm$ 0.048 χ^2 /NDF: 2814196.6/19

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: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

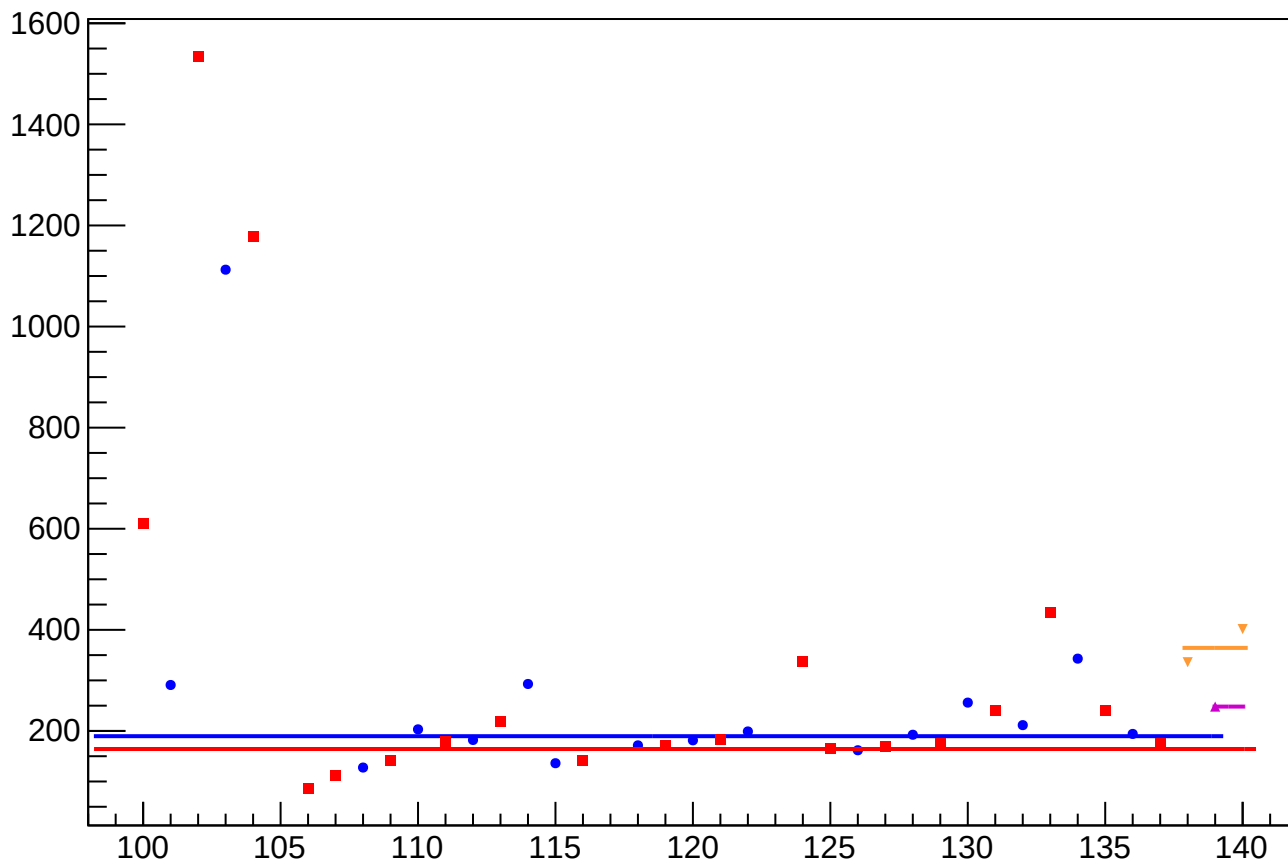
Left In: 0.615 ± 0.278 χ^2/NDF : 0.0/0

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.046 ± 0.050 χ^2/NDF : 50.6/37

- sign -0.032 ± 0.068 χ^2/NDF : 34.4/19

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: 364.292 ± 0.208 χ^2/NDF : 24290.6/1

Right Out: 164.287 ± 0.050 χ^2/NDF : 2643490.2/18

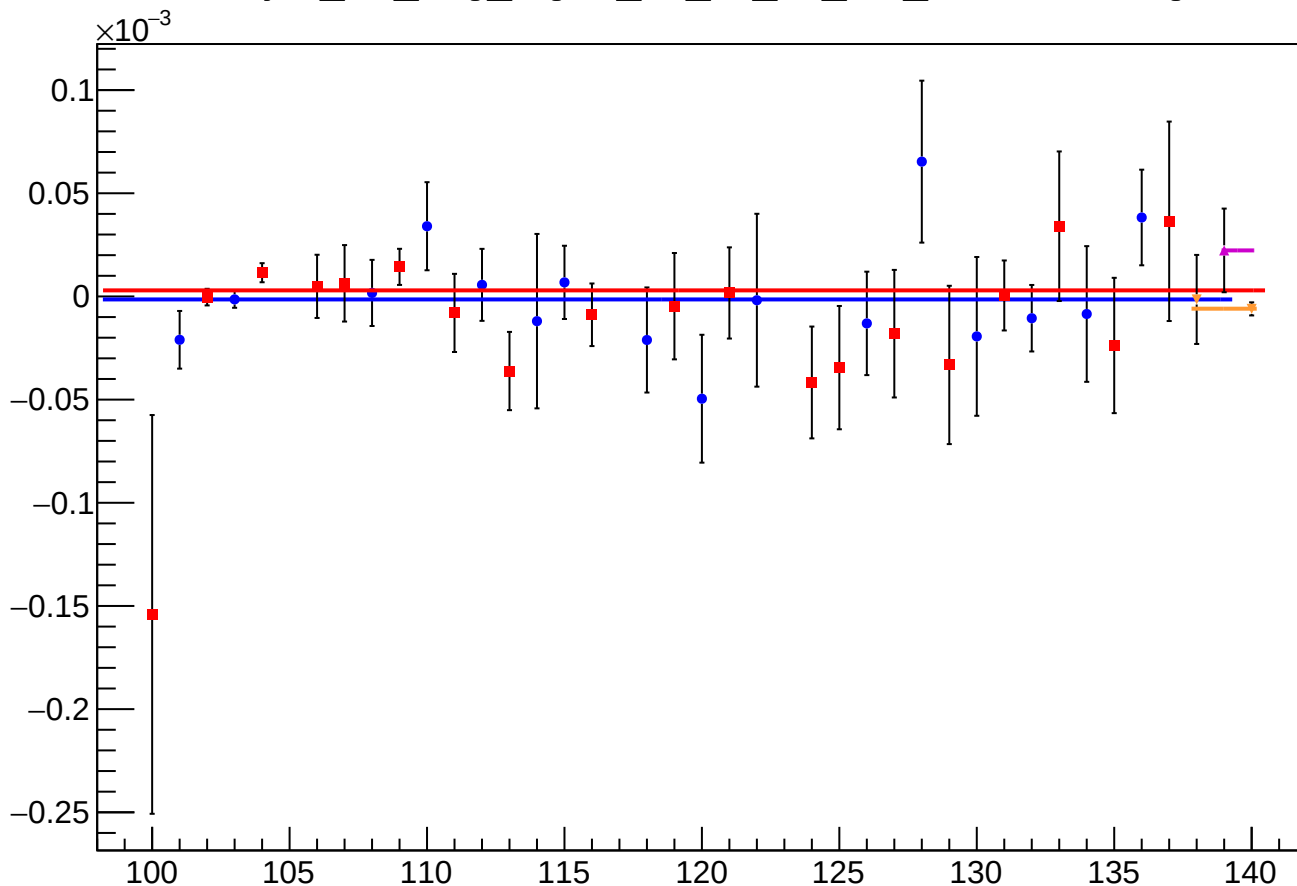
Left In: 248.181 ± 0.197 χ^2/NDF : 0.0/0

+ sign 200.719 ± 0.053 χ^2/NDF : 2147186.7/17

All: 183.586 ± 0.035 χ^2/NDF : 5156613.8/37

- sign 169.274 ± 0.048 χ^2/NDF : 2814196.6/19

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.3/18

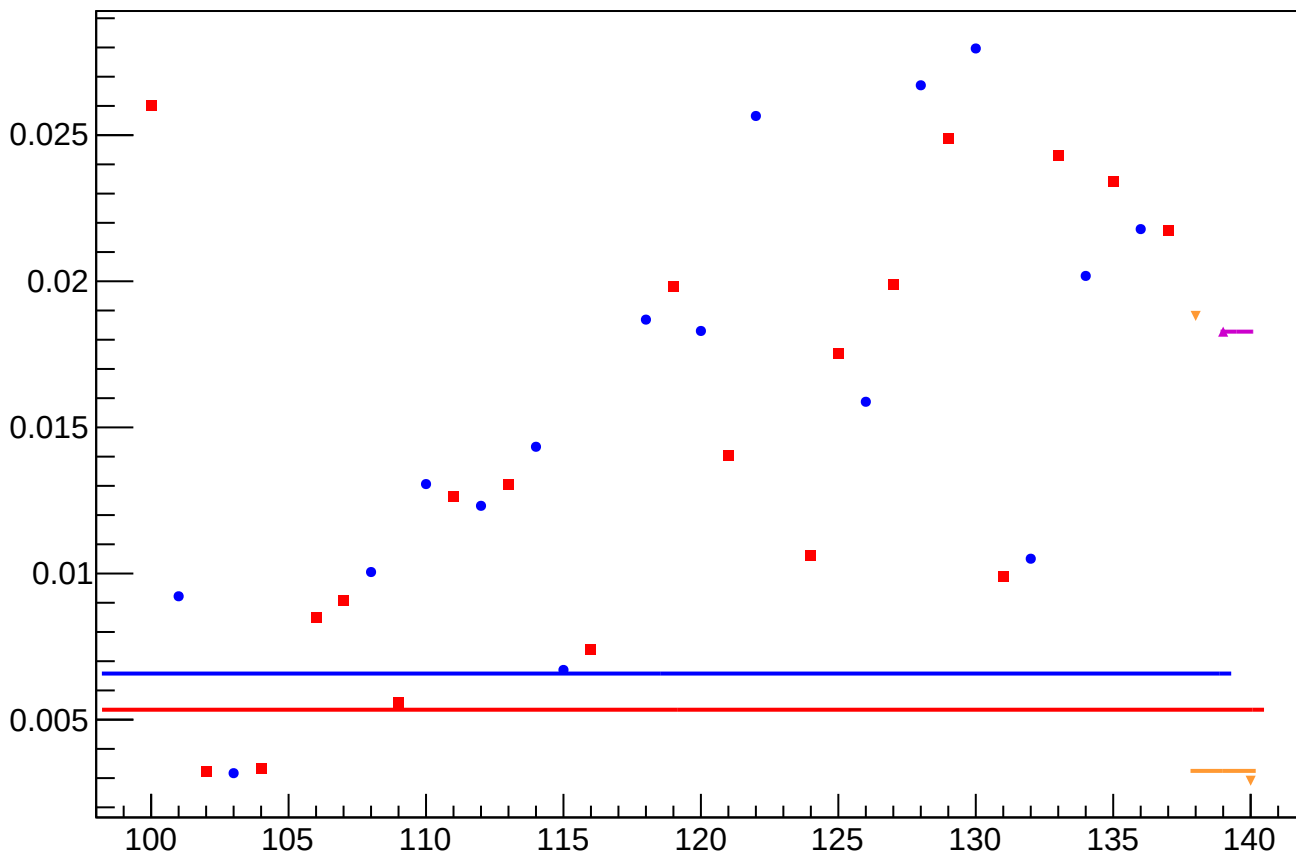
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 15.9/17

All: -0.000 ± 0.000 χ^2/NDF : 42.3/37

- sign 0.000 ± 0.000 χ^2/NDF : 22.2/19

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 5928012.0/15

Left Out: 0.003+/-0.000 χ^2/NDF : 1063507.5/1

Right Out: 0.005+/-0.000 χ^2/NDF : 5685915.4/18

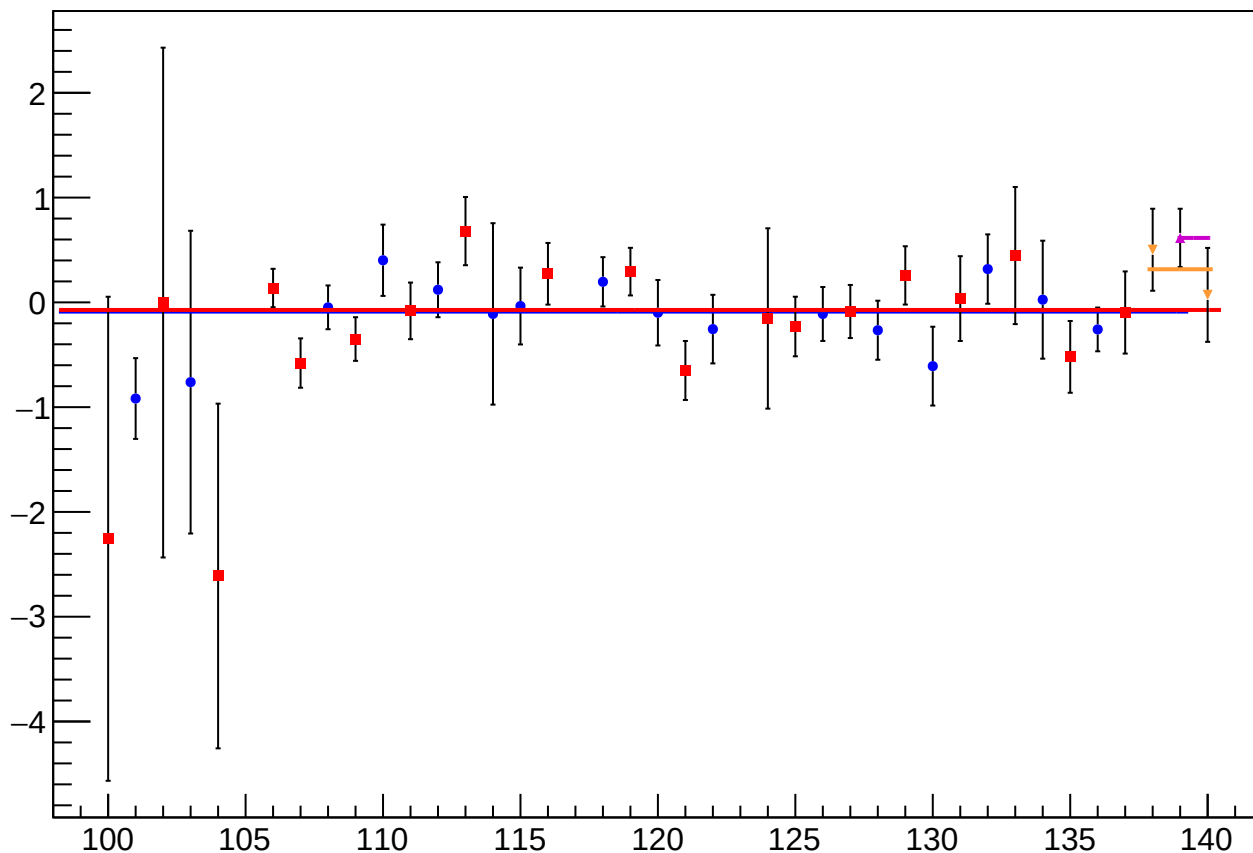
Left In: 0.018+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.005+/-0.000 χ^2/NDF : 8056436.0/17

All: 0.005+/-0.000 χ^2/NDF : 14633292.9/37

- sign 0.006+/-0.000 χ^2/NDF : 6487663.7/19

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: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

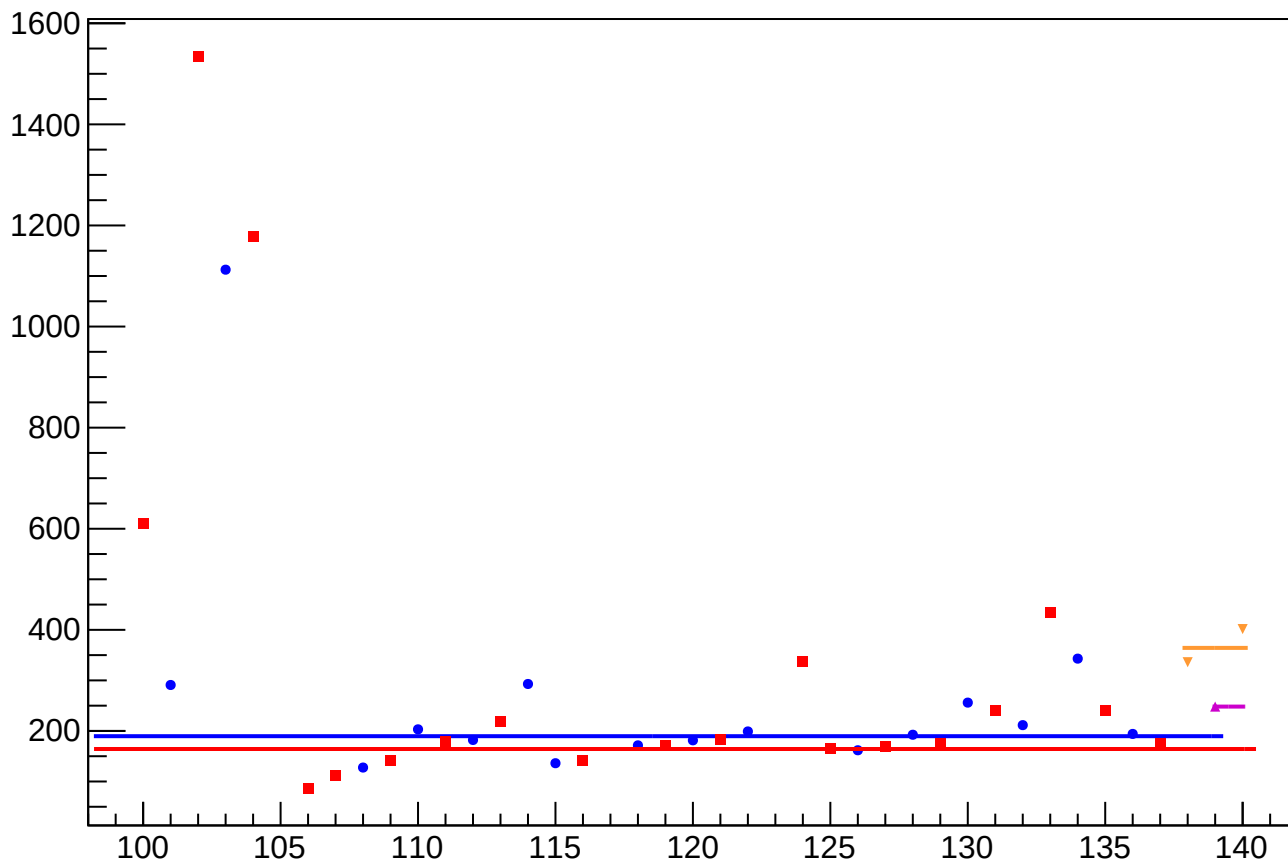
Left In: 0.615 ± 0.278 χ^2/NDF : 0.0/0

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.046 ± 0.050 χ^2/NDF : 50.6/37

- sign -0.032 ± 0.068 χ^2/NDF : 34.4/19

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 0.054 χ^2 /NDF: 1465464.1/15

Left Out: 364.295 $\pm$ 0.208 χ^2 /NDF:24285.7/1

Right Out: 164.286 $\pm$ 0.050 χ^2 /NDF: 2643465.6/18

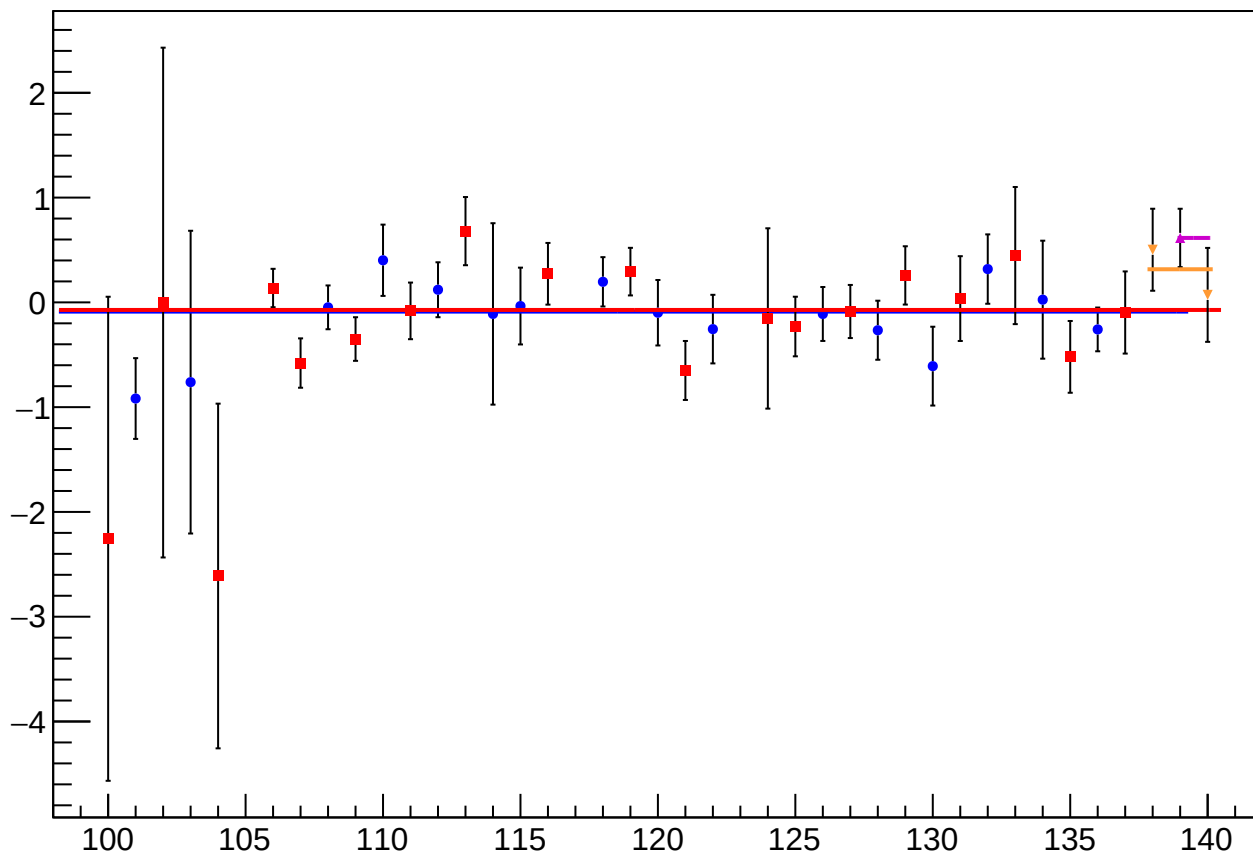
Left In: 248.185 $\pm$ 0.197 χ^2 /NDF:0.0/0

+ sign 200.719 $\pm$ 0.053 χ^2 /NDF: 2147190.6/17

All: 183.586 $\pm$ 0.035 χ^2 /NDF: 5156608.3/37

- sign 169.273 $\pm$ 0.048 χ^2 /NDF: 2814186.2/19

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

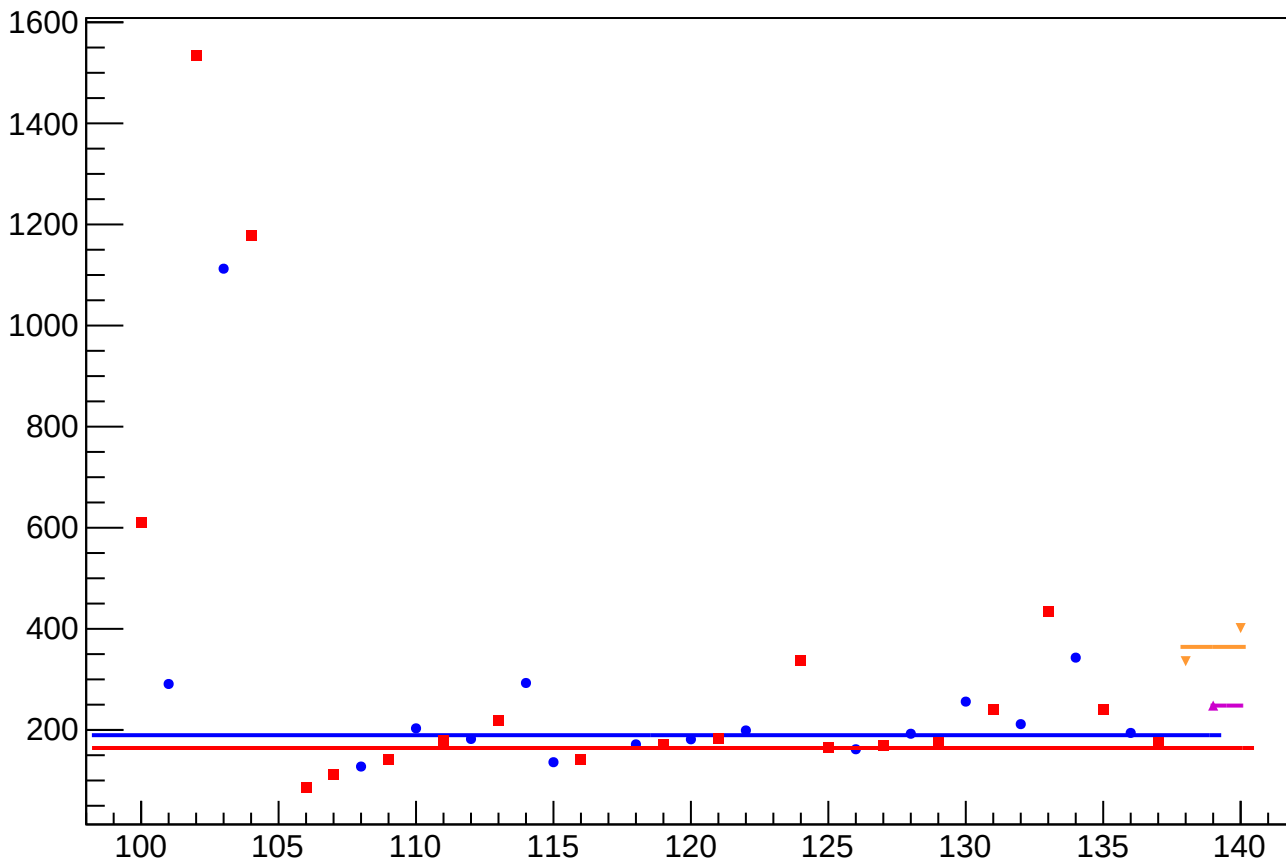
Left In: 0.615 ± 0.278 χ^2/NDF : 0.0/0

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.046 ± 0.050 χ^2/NDF : 50.6/37

- sign -0.032 ± 0.068 χ^2/NDF : 34.4/19

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 0.054 χ^2 /NDF: 1465464.1/15

Left Out: 364.295 $\pm$ 0.208 χ^2 /NDF:24285.7/1

Right Out: 164.286 $\pm$ 0.050 χ^2 /NDF: 2643465.6/18

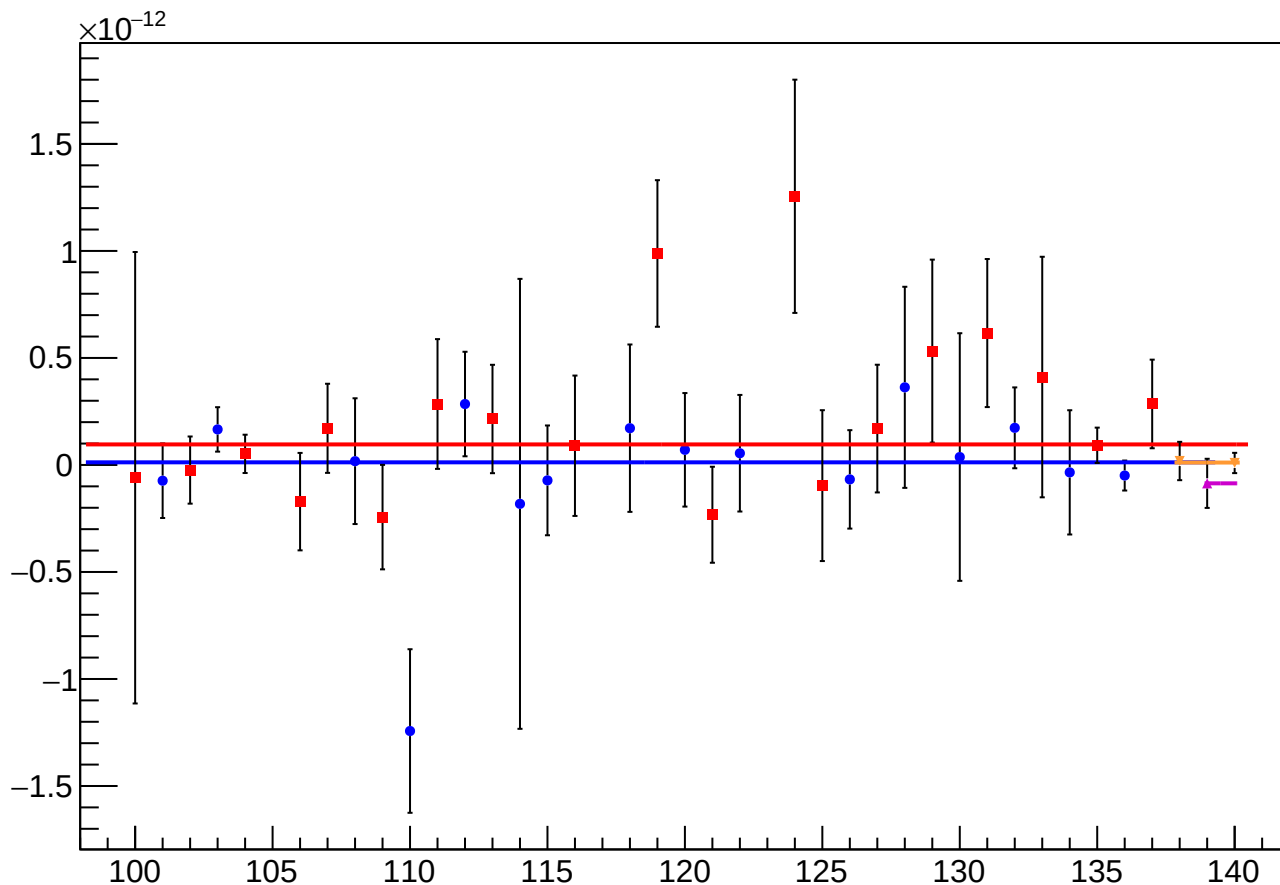
Left In: 248.185 $\pm$ 0.197 χ^2 /NDF:0.0/0

+ sign 200.719 $\pm$ 0.053 χ^2 /NDF: 2147190.6/17

All: 183.586 $\pm$ 0.035 χ^2 /NDF: 5156608.3/37

- sign 169.273 $\pm$ 0.048 χ^2 /NDF: 2814186.2/19

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/18

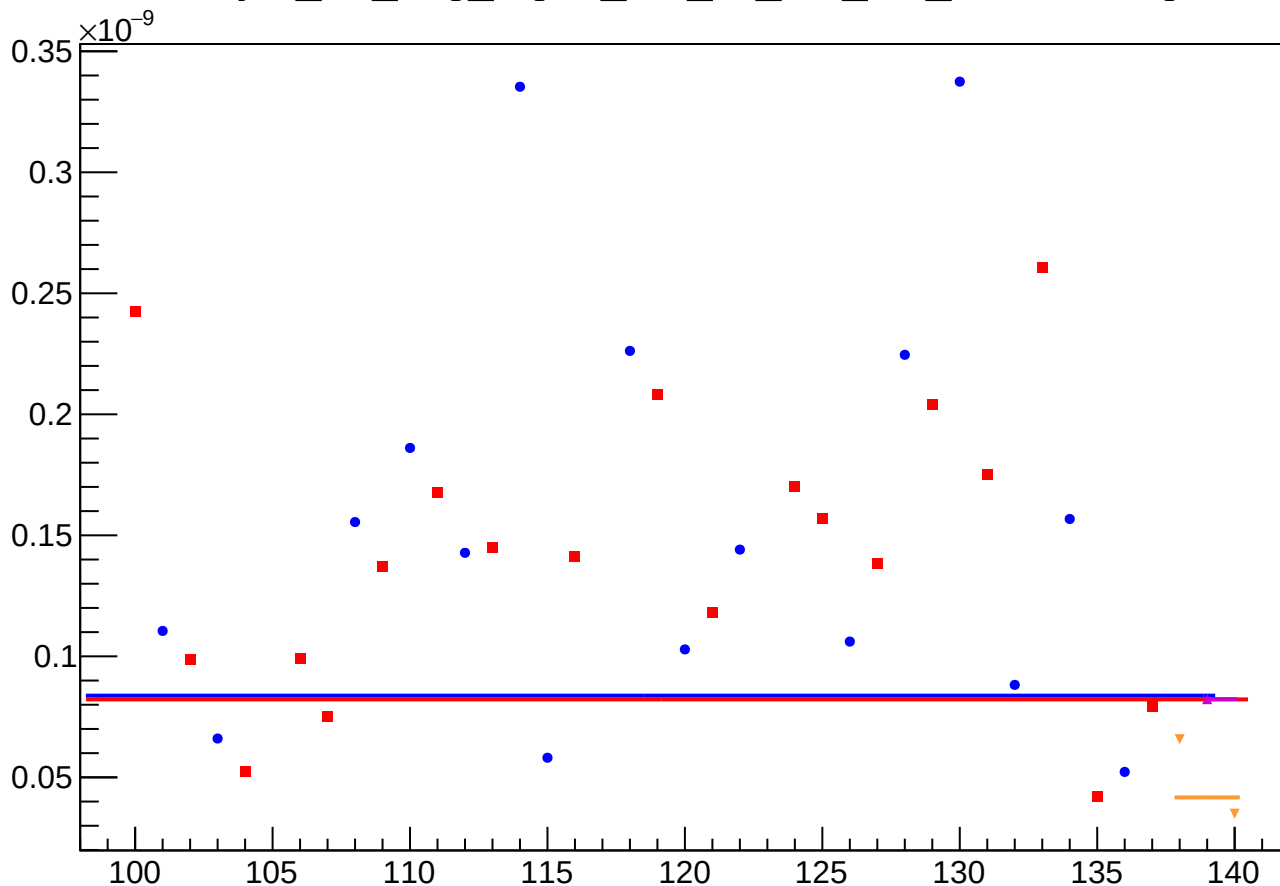
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/19

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 184644.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2271900.5/18

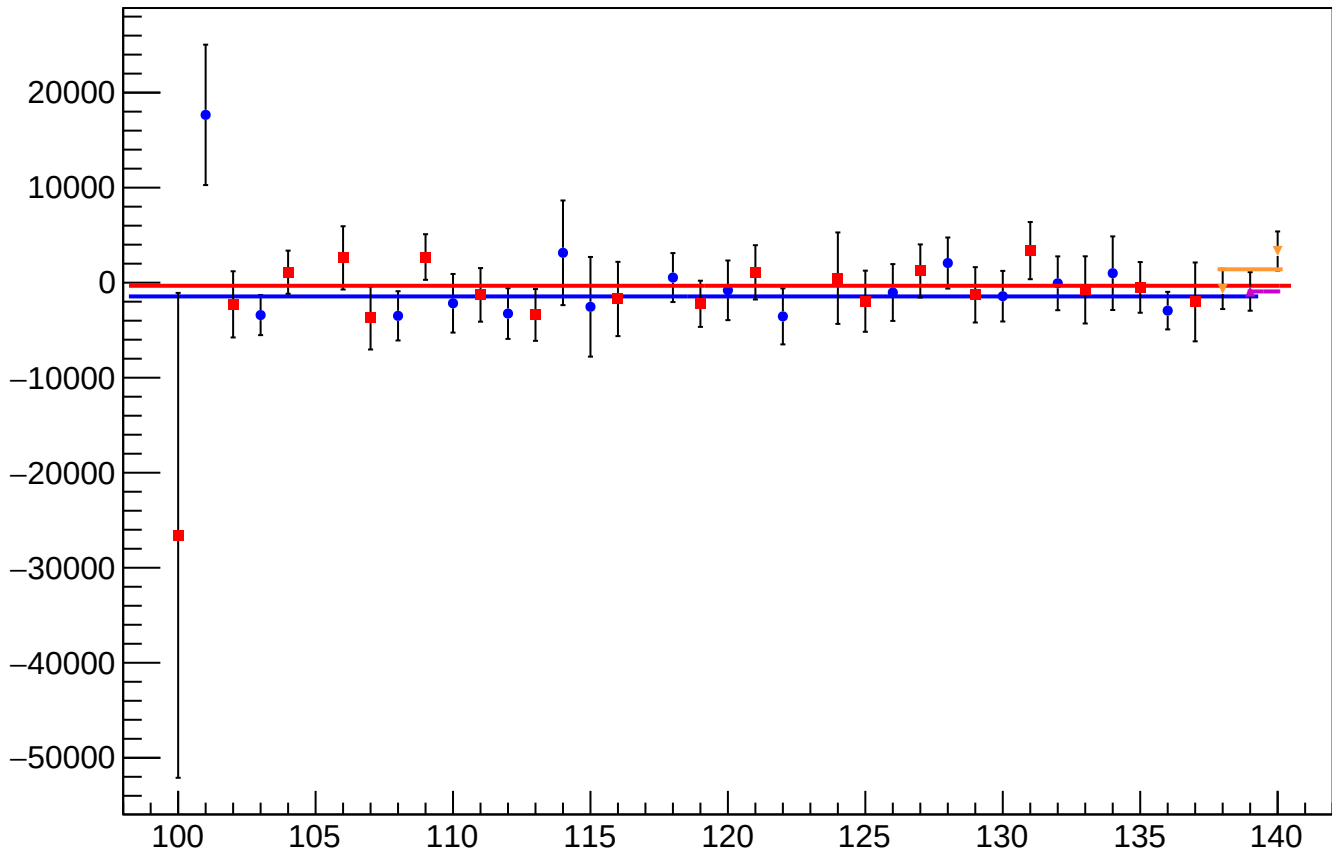
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3216605.0/17

All: 0.000+/-0.000 χ^2/NDF : 5824647.5/37

- sign 0.000+/-0.000 χ^2/NDF : 2271902.3/19

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547 $\pm$ 723.140 χ^2 /NDF: 13.5/15

Left Out: 1406.599 $\pm$ 1475.622 χ^2 /NDF:1.8/1

Right Out: -325.908 $\pm$ 702.648 χ^2 /NDF: 9.9/18

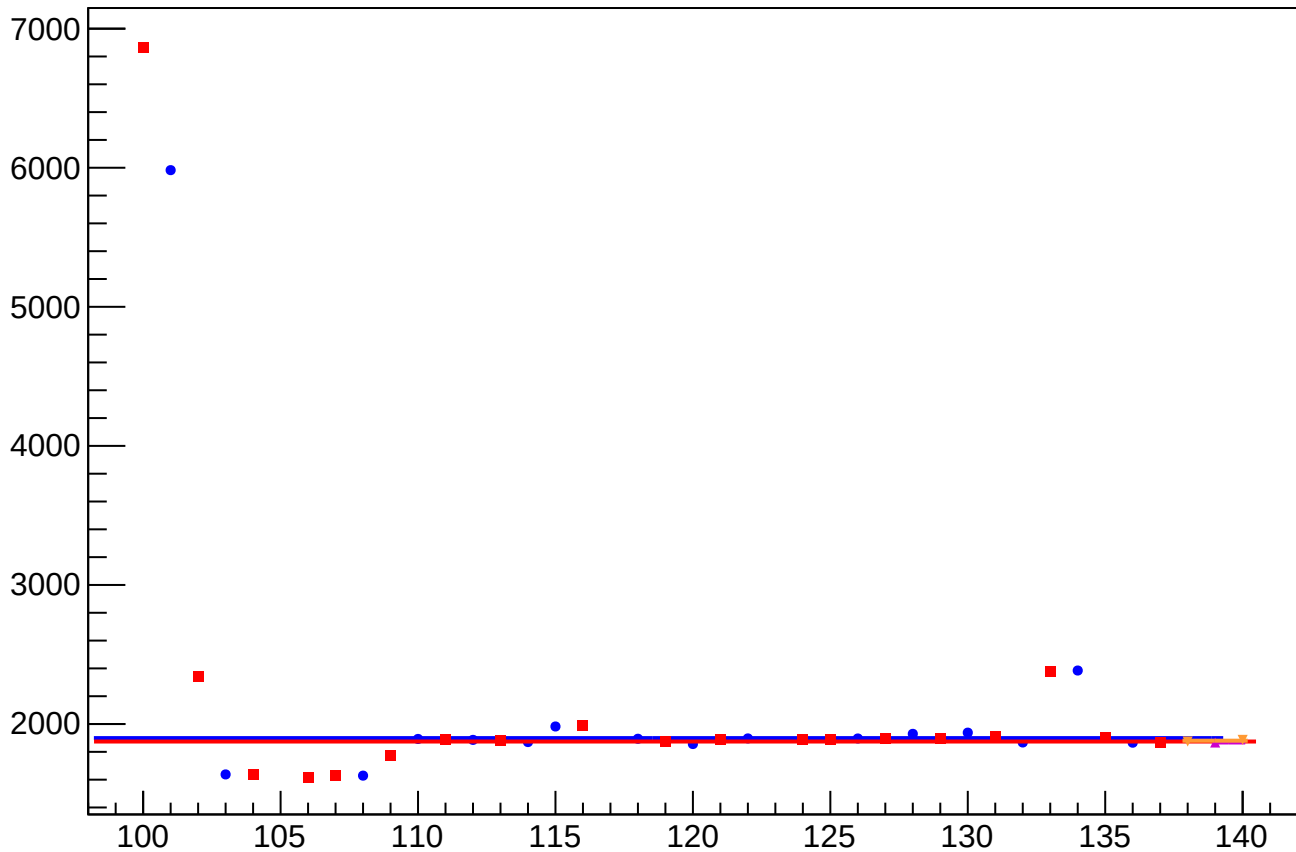
Left In: -923.917 $\pm$ 2029.440 χ^2 /NDF:0.0/0

+ sign -894.034 $\pm$ 649.358 χ^2 /NDF: 18.3/17

All: -647.588 $\pm$ 464.248 χ^2 /NDF: 28.7/37

- sign -389.920 $\pm$ 663.978 χ^2 /NDF: 10.0/19

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.2/15

Left Out: 1880.279+/-1.043 χ^2/NDF : 31.3/1

+ sign 1895.234+/-0.459 χ^2/NDF : 697800.3/17

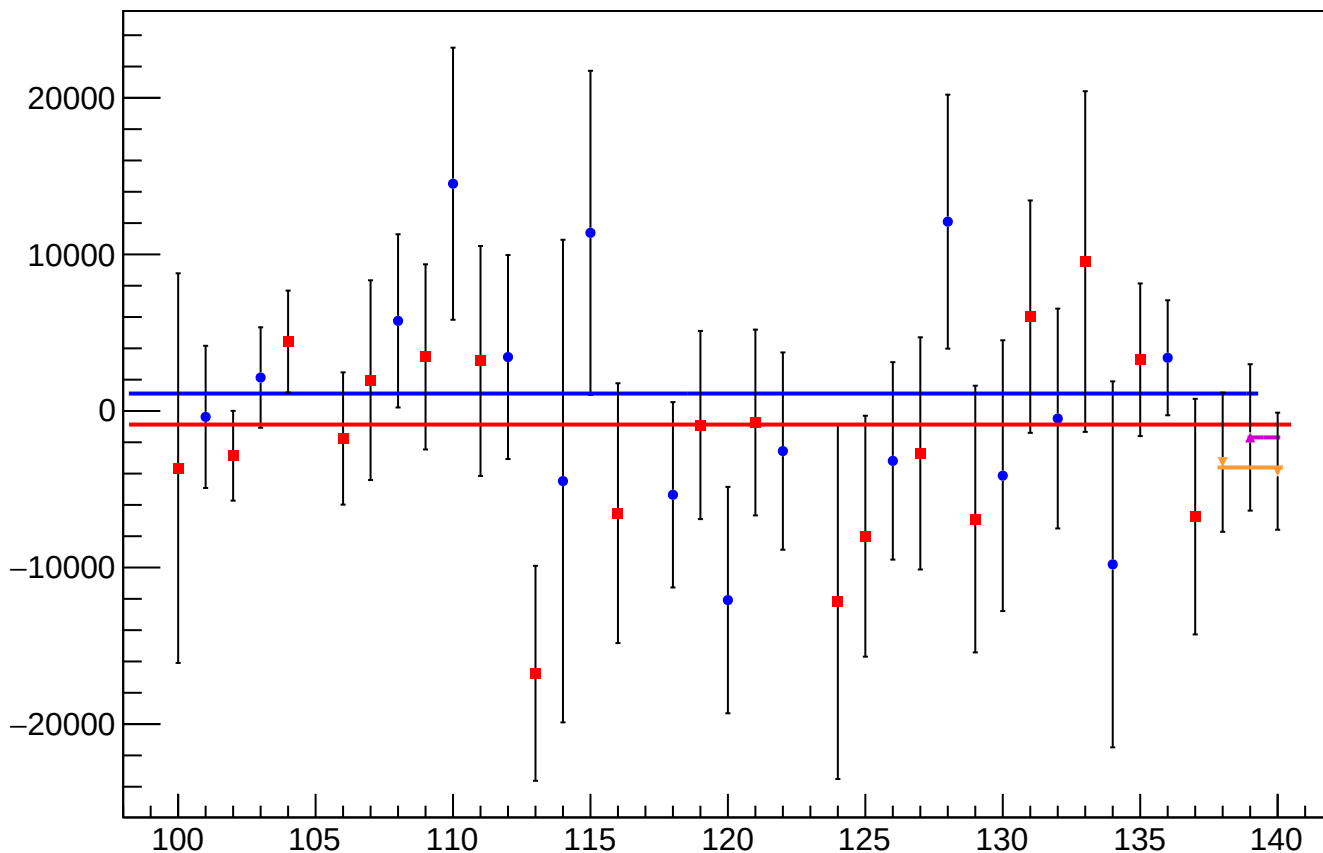
Right Out: 1874.251+/-0.495 χ^2/NDF : 207657.7/18

All: 1884.582+/-0.328 χ^2/NDF : 906576.6/37

- sign 1873.511+/-0.468 χ^2/NDF : 207678.7/19

Left In: 1867.299+/-1.435 χ^2/NDF : 0.0/0

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704 $\pm$ 1479.265 χ^2 /NDF: 13.4/15

Left Out: -3609.683 $\pm$ 2860.494 χ^2 /NDF: 0.0/1

Right Out: -866.976 $\pm$ 1307.223 χ^2 /NDF: 15.6/18

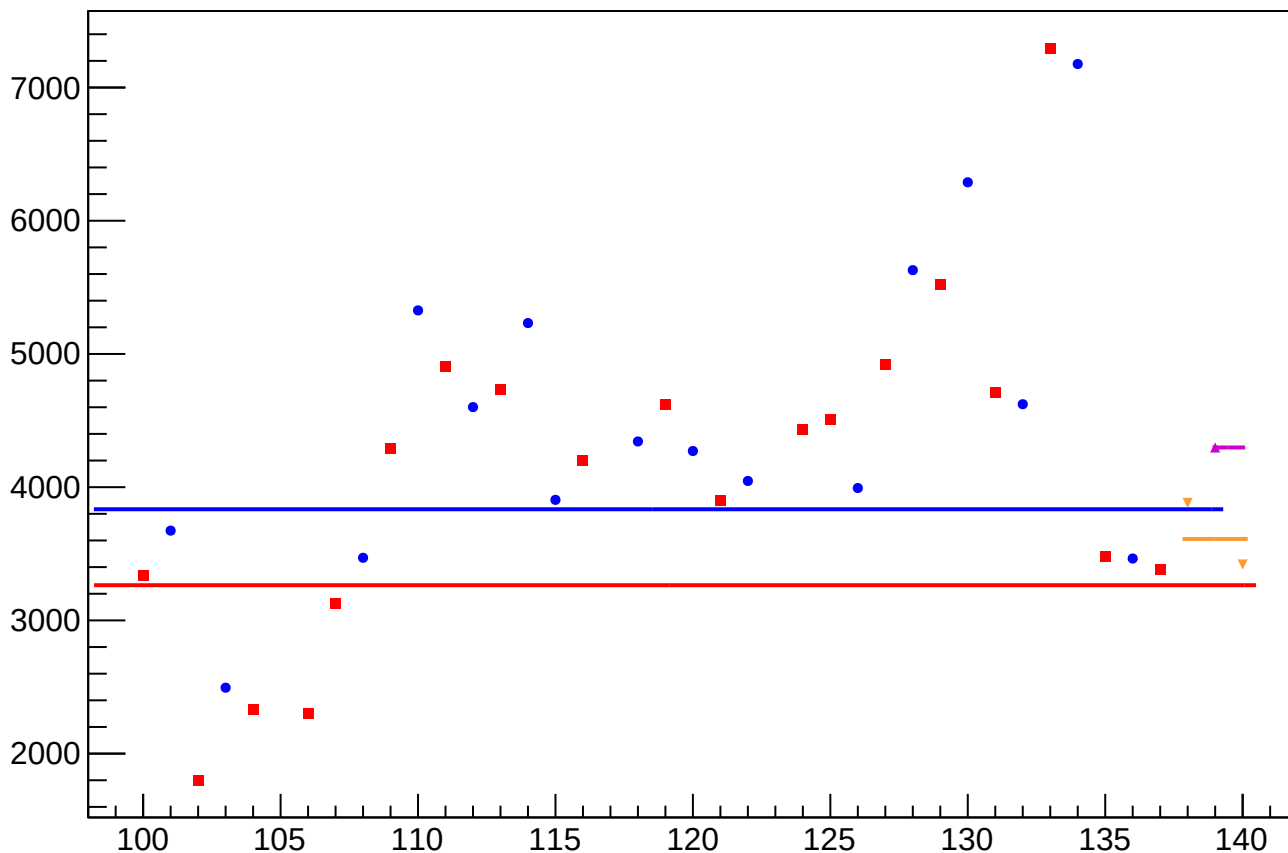
Left In: -1688.981 $\pm$ 4676.261 χ^2 /NDF: 0.0/0

+ sign 116.272 $\pm$ 1313.966 χ^2 /NDF: 15.5/17

All: -427.427 $\pm$ 909.042 χ^2 /NDF: 31.5/37

- sign -926.556 $\pm$ 1258.958 χ^2 /NDF: 15.7/19

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF : 956775.6/15

Left Out: 3611.435+/-2.023 χ^2/NDF : 12708.1/1

Right Out: 3264.110+/-0.924 χ^2/NDF : 1864241.4/18

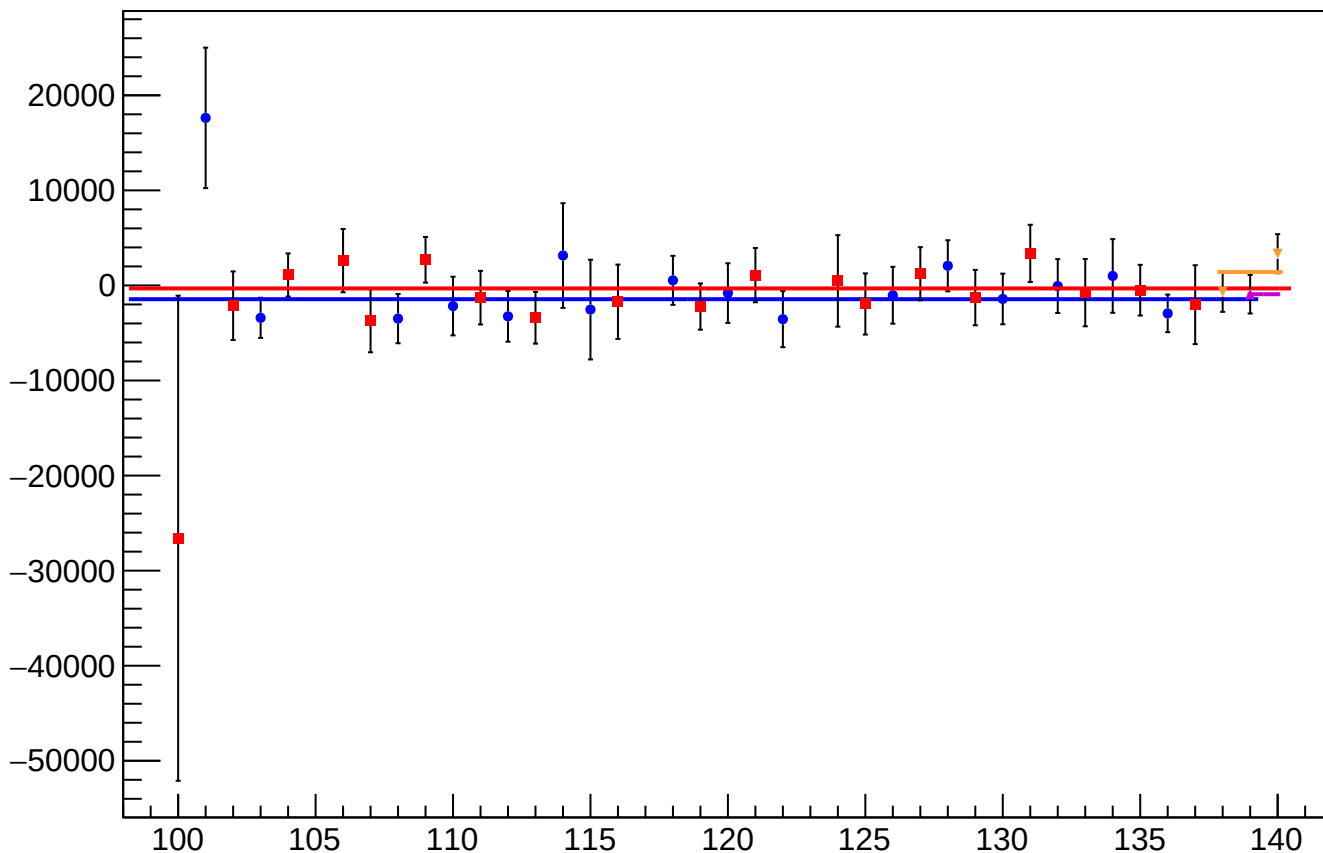
Left In: 4297.968+/-3.307 χ^2/NDF : 0.0/0

+ sign 3787.168+/-0.929 χ^2/NDF : 979050.7/17

All: 3553.530+/-0.643 χ^2/NDF : 3055248.1/37

- sign 3339.045+/-0.890 χ^2/NDF : 1954914.1/19

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1406.569 ± 1475.622 χ^2/NDF : 1.8/1

Right Out: -315.462 ± 703.596 χ^2/NDF : 9.9/18

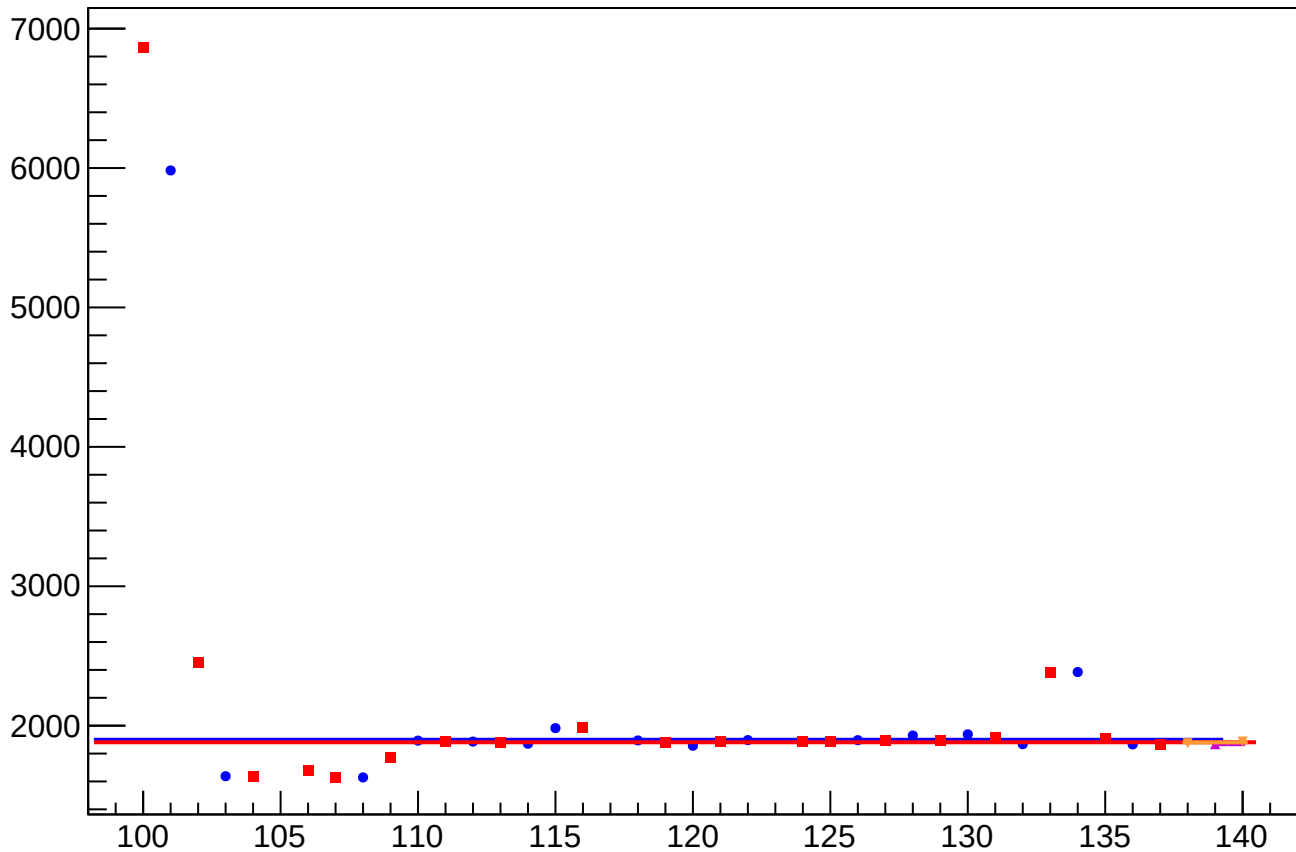
Left In: -923.973 ± 2029.440 χ^2/NDF : 0.0/0

+ sign -894.351 ± 649.358 χ^2/NDF : 18.3/17

All: -643.579 ± 464.521 χ^2/NDF : 28.6/37

- sign -380.756 ± 664.777 χ^2/NDF : 10.0/19

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826 $\pm$ 0.511 χ^2 /NDF: 697514.4/15

Left Out: 1880.279 $\pm$ 1.043 χ^2 /NDF:31.3/1

Right Out: 1881.007 $\pm$ 0.497 χ^2 /NDF: 216564.4/18

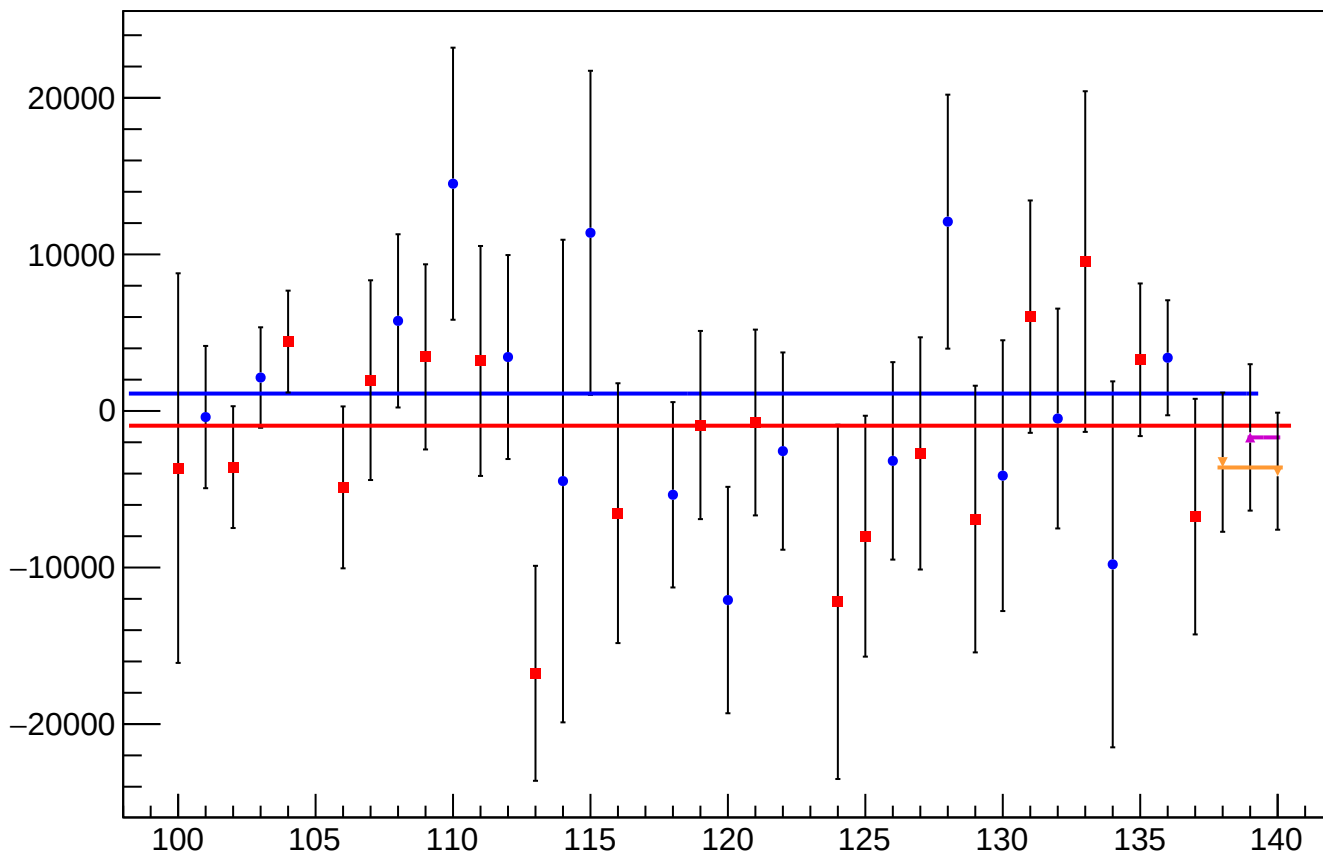
Left In: 1867.299 $\pm$ 1.435 χ^2 /NDF:0.0/0

+ sign 1895.234 $\pm$ 0.459 χ^2 /NDF: 697800.4/17

All: 1887.560 $\pm$ 0.328 χ^2 /NDF: 915017.5/37

- sign 1879.540 $\pm$ 0.469 χ^2 /NDF: 216645.8/19

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533 $\pm$ 1479.438 χ^2 /NDF: 13.4/15

Left Out: -3609.500 $\pm$ 2860.490 χ^2 /NDF: 0.0/1

Right Out: -940.712 $\pm$ 1398.993 χ^2 /NDF: 16.2/18

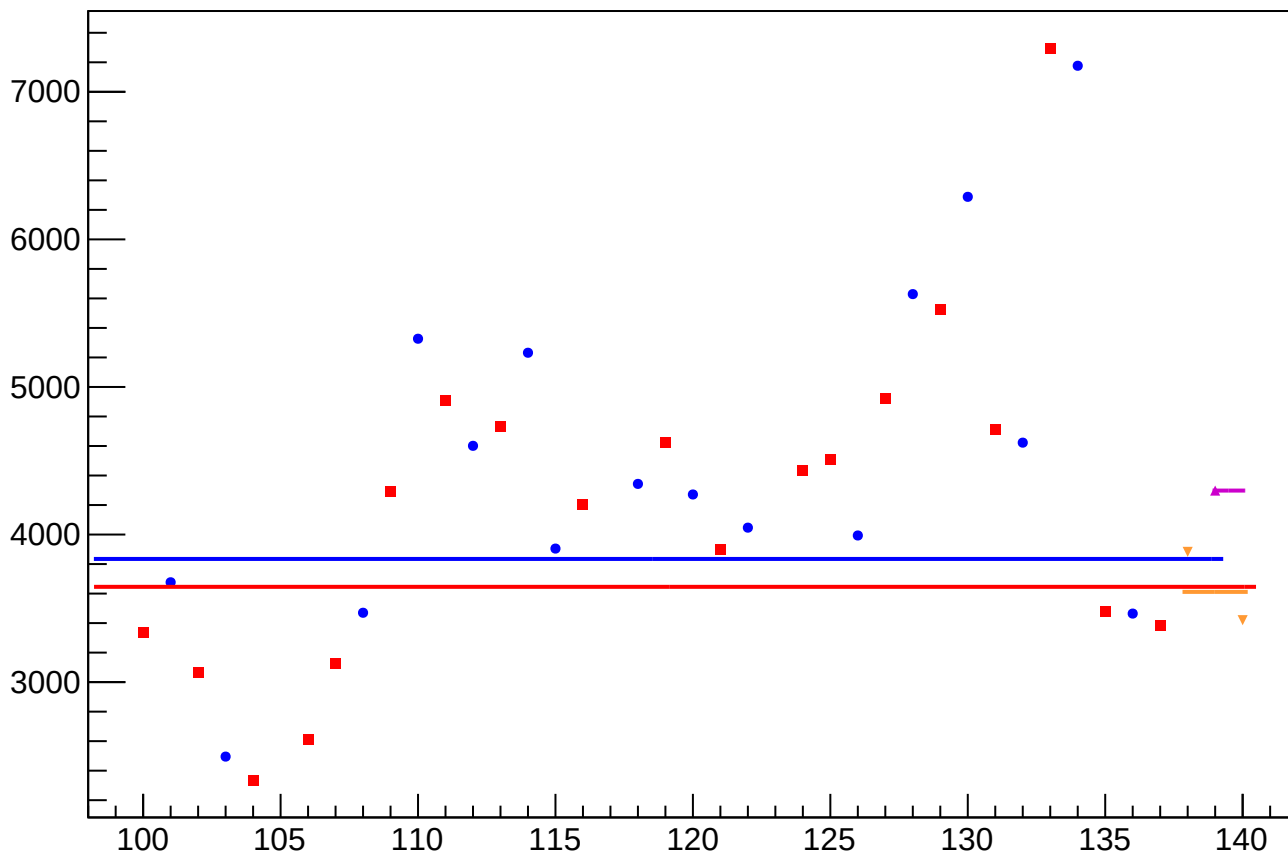
Left In: -1688.917 $\pm$ 4676.240 χ^2 /NDF: 0.0/0

+ sign 115.201 $\pm$ 1314.086 χ^2 /NDF: 15.5/17

All: -432.455 $\pm$ 938.329 χ^2 /NDF: 32.1/37

- sign -1002.177 $\pm$ 1340.297 χ^2 /NDF: 16.2/19

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF : 12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

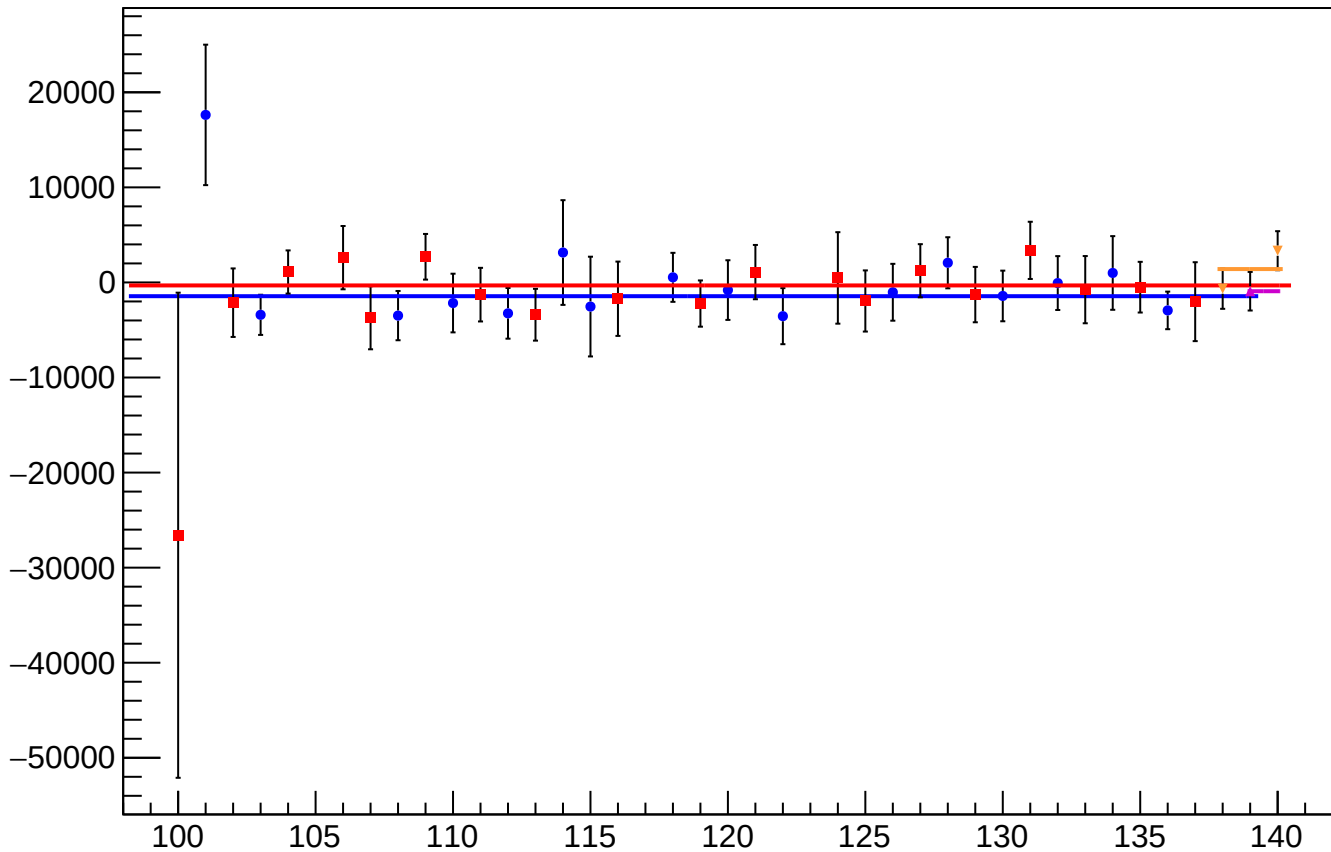
Left In: 4297.948+/-3.307 χ^2/NDF : 0.0/0

+ sign 3787.573+/-0.929 χ^2/NDF : 978633.3/17

All: 3744.295+/-0.663 χ^2/NDF : 2143755.5/37

- sign 3699.272+/-0.948 χ^2/NDF : 1160696.2/19

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF : 13.5/15

Left Out: 1406.569+/-1475.622 χ^2/NDF : 1.8/1

Right Out: -315.462+/-703.596 χ^2/NDF : 9.9/18

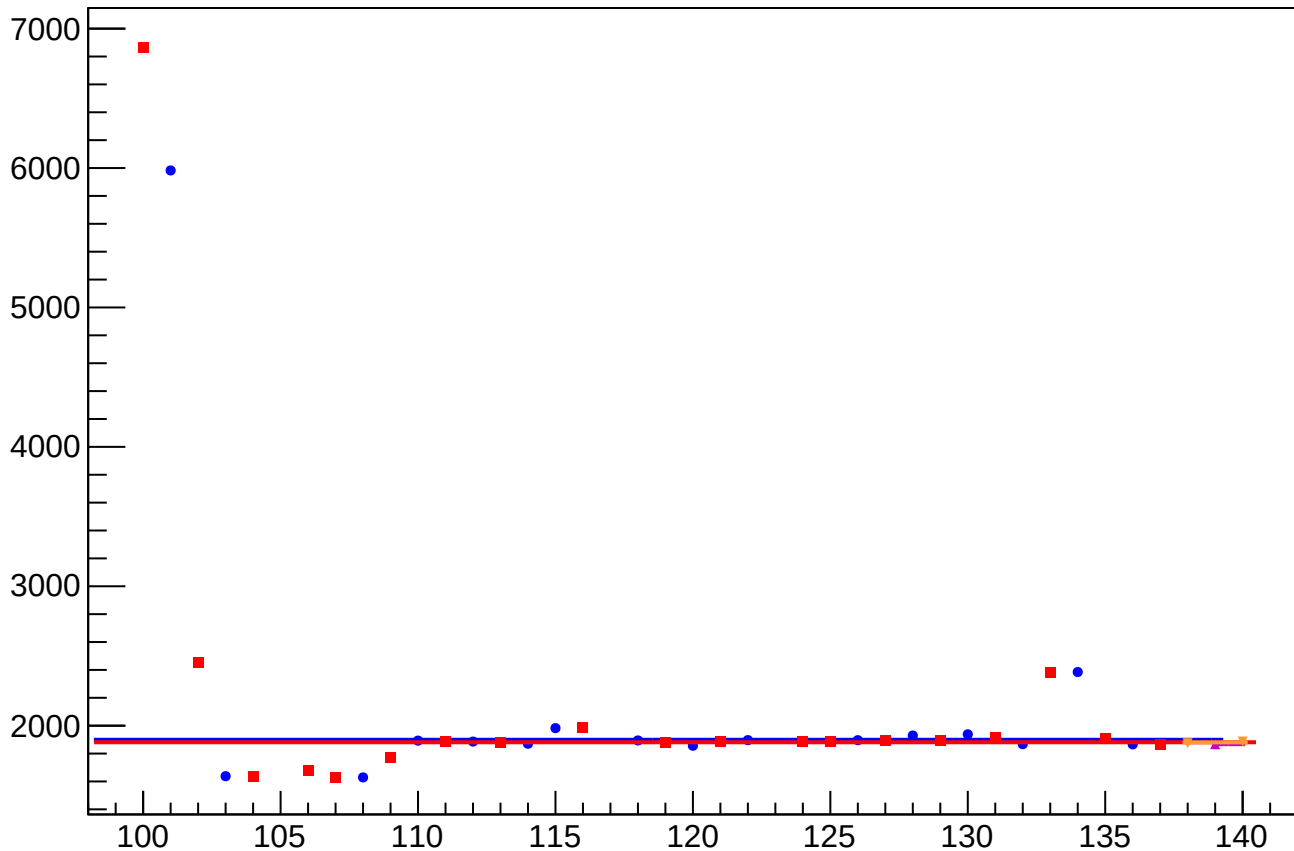
Left In: -923.973+/-2029.440 χ^2/NDF : 0.0/0

+ sign -894.351+/-649.358 χ^2/NDF : 18.3/17

All: -643.579+/-464.521 χ^2/NDF : 28.6/37

- sign -380.756+/-664.777 χ^2/NDF : 10.0/19

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2 /NDF: 697514.4/15

Left Out: 1880.279+/-1.043 χ^2 /NDF:31.3/1

Right Out: 1881.007+/-0.497 χ^2 /NDF: 216564.4/18

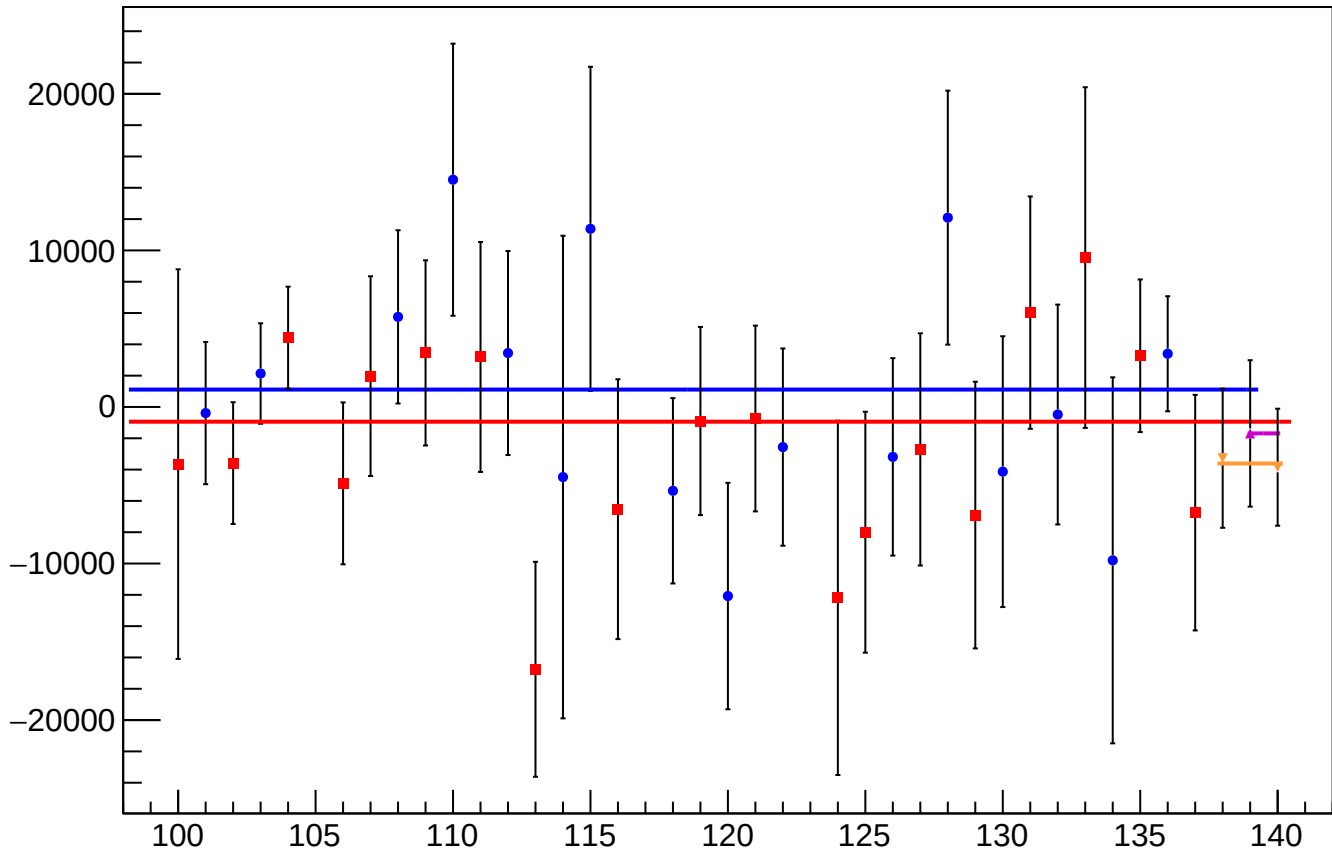
Left In: 1867.299+/-1.435 χ^2 /NDF:0.0/0

+ sign 1895.234+/-0.459 χ^2 /NDF: 697800.4/17

All: 1887.560+/-0.328 χ^2 /NDF: 915017.5/37

- sign 1879.540+/-0.469 χ^2 /NDF: 216645.8/19

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF : 13.4/15

Left Out: -3609.500+/-2860.490 χ^2/NDF : 0.0/1

Right Out: -940.712+/-1398.993 χ^2/NDF : 16.2/18

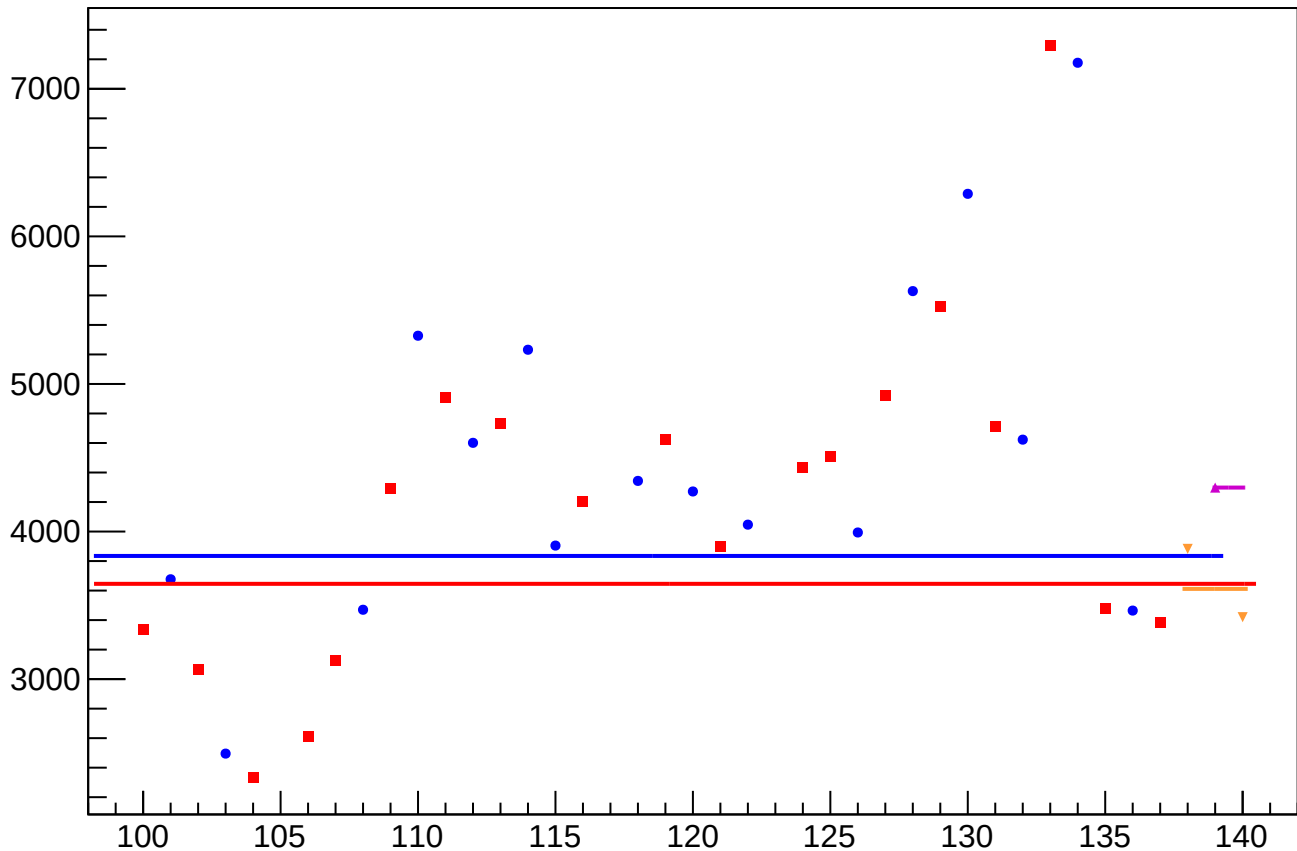
Left In: -1688.917+/-4676.240 χ^2/NDF : 0.0/0

+ sign 115.201+/-1314.086 χ^2/NDF : 15.5/17

All: -432.455+/-938.329 χ^2/NDF : 32.1/37

- sign -1002.177+/-1340.297 χ^2/NDF : 16.2/19

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF : 12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

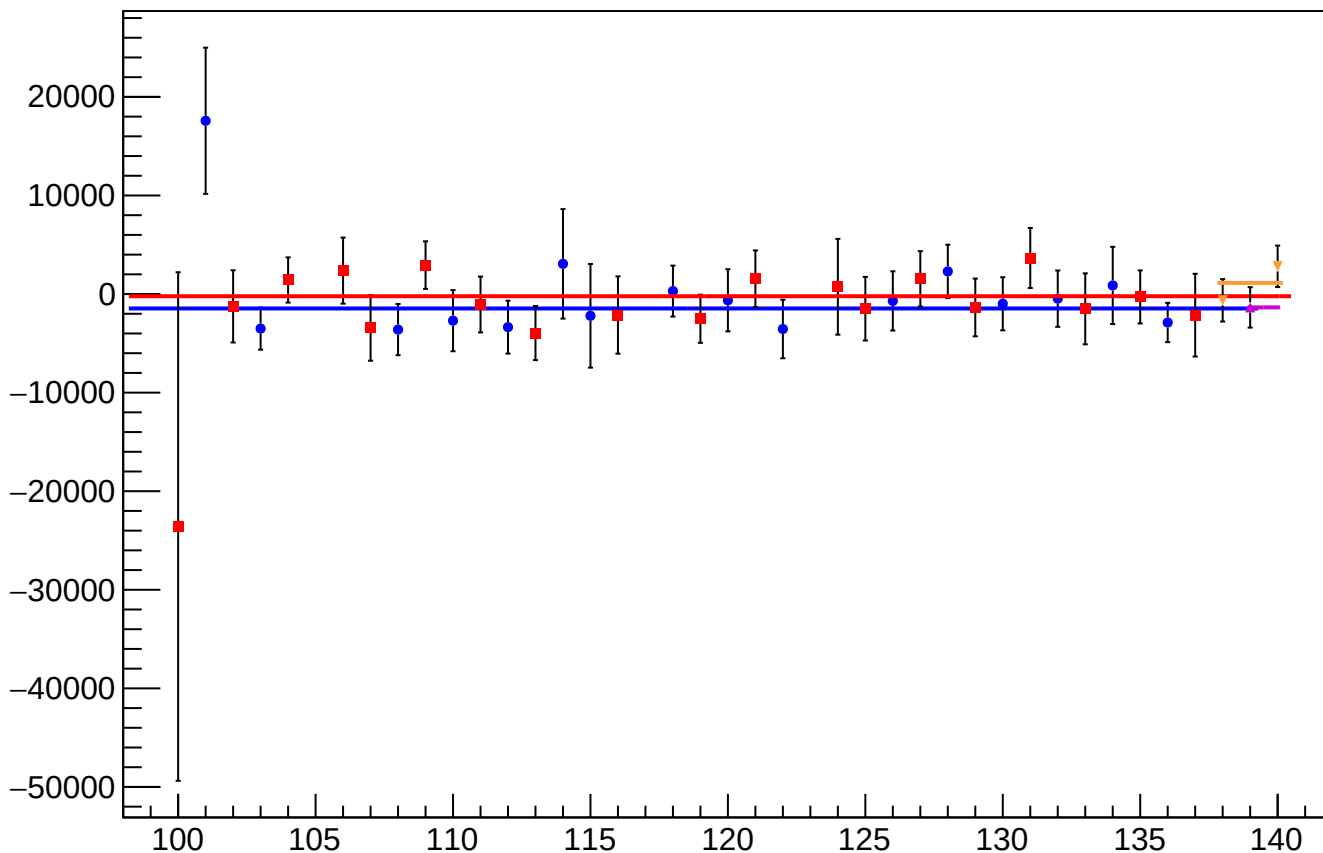
Left In: 4297.948+/-3.307 χ^2/NDF : 0.0/0

+ sign 3787.573+/-0.929 χ^2/NDF : 978633.3/17

All: 3744.295+/-0.663 χ^2/NDF : 2143755.5/37

- sign 3699.272+/-0.948 χ^2/NDF : 1160696.2/19

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640 ± 728.274 χ^2/NDF : 13.6/15

Left Out: 1129.162 ± 1503.582 χ^2/NDF : 1.3/1

Right Out: -219.726 ± 708.852 χ^2/NDF : 10.8/18

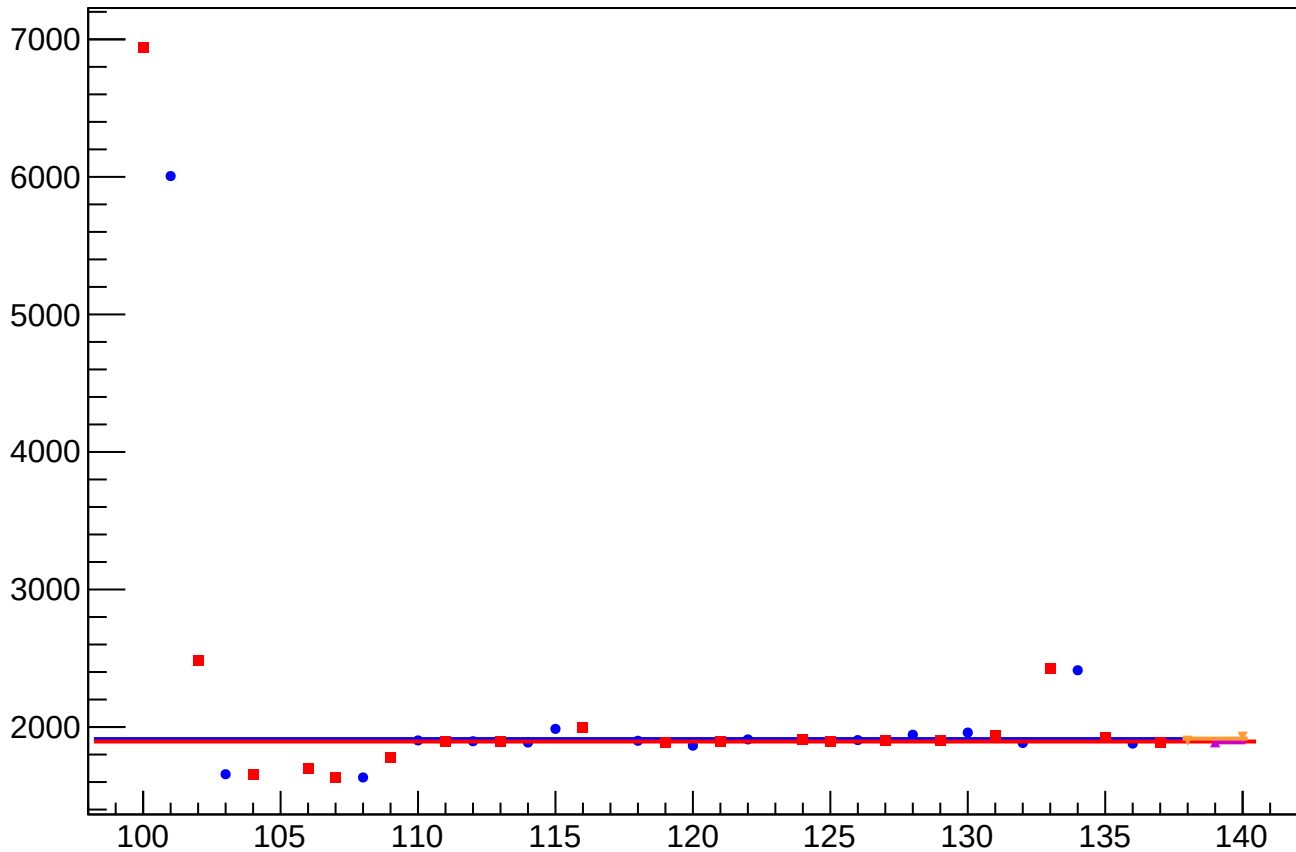
Left In: -1351.001 ± 2052.779 χ^2/NDF : 0.0/0

+ sign -970.137 ± 655.437 χ^2/NDF : 17.3/17

All: -662.126 ± 468.538 χ^2/NDF : 28.8/37

- sign -340.249 ± 670.029 χ^2/NDF : 11.1/19

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.3/15

Left Out: 1915.717+/-1.063 χ^2/NDF :193.2/1

Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

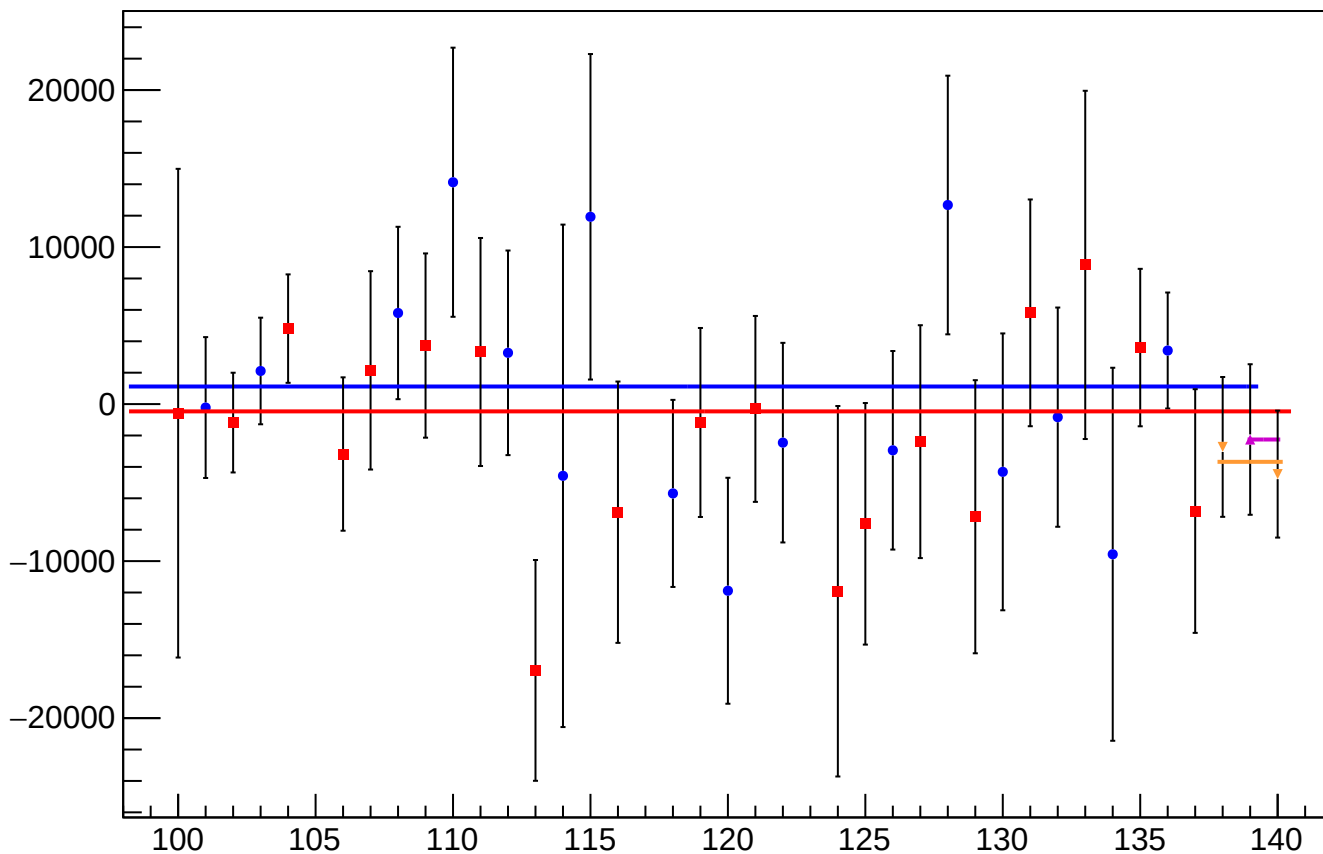
Left In: 1888.721+/-1.452 χ^2/NDF :0.0/0

+ sign 1913.013+/-0.463 χ^2/NDF : 696421.4/17

All: 1903.766+/-0.331 χ^2/NDF : 917031.6/37

- sign 1894.122+/-0.473 χ^2/NDF : 219797.0/19

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173 $\pm$ 1497.671 χ^2 /NDF: 13.5/15

Left Out: -3677.129 $\pm$ 2992.847 χ^2 /NDF: 0.1/1

Right Out: -464.368 $\pm$ 1370.818 χ^2 /NDF: 15.0/18

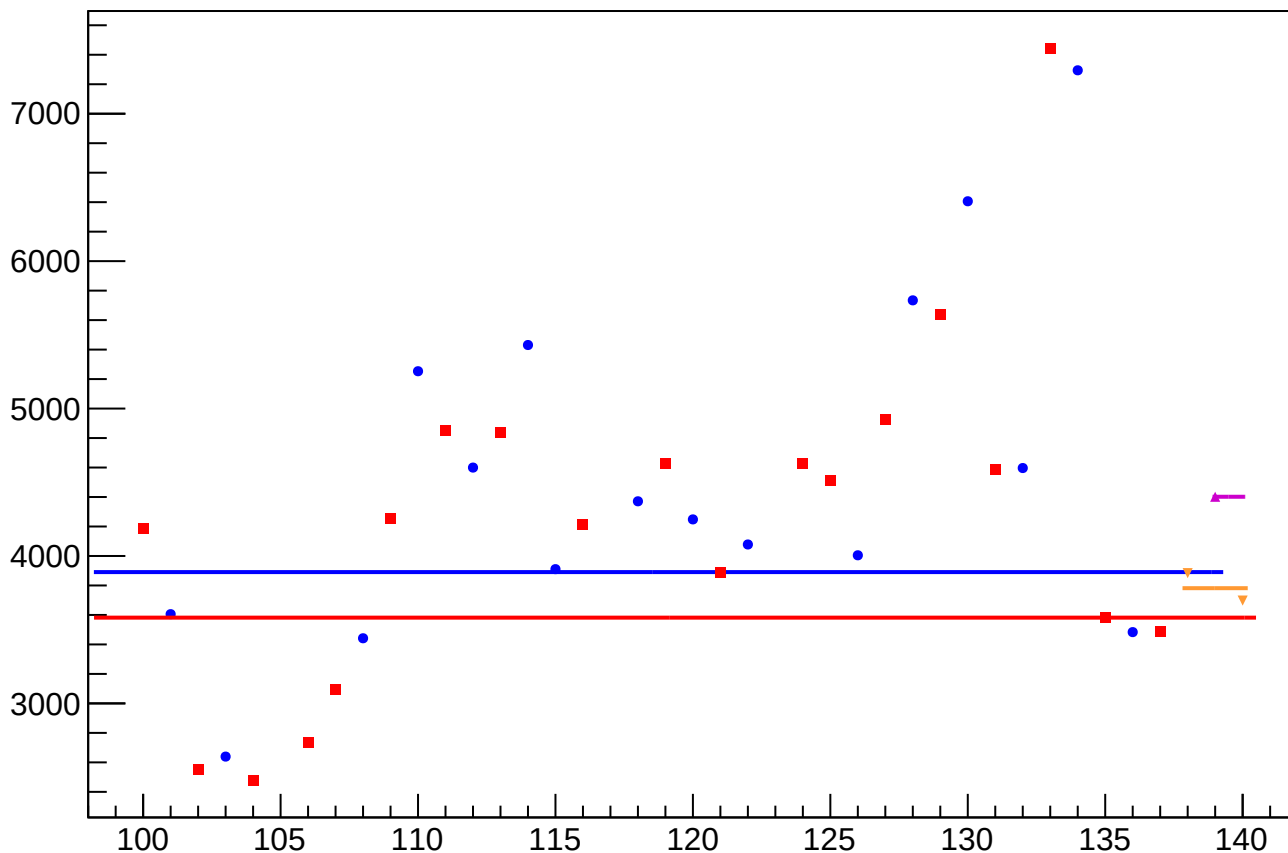
Left In: -2255.433 $\pm$ 4794.125 χ^2 /NDF: 0.0/0

+ sign 159.433 $\pm$ 1339.334 χ^2 /NDF: 15.6/17

All: -226.248 $\pm$ 939.417 χ^2 /NDF: 30.9/37

- sign -599.738 $\pm$ 1317.997 χ^2 /NDF: 15.1/19

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF : 878418.2/15

Left Out: 3781.579+/-2.116 χ^2/NDF :1915.8/1

Right Out: 3581.780+/-0.969 χ^2/NDF : 1221855.2/18

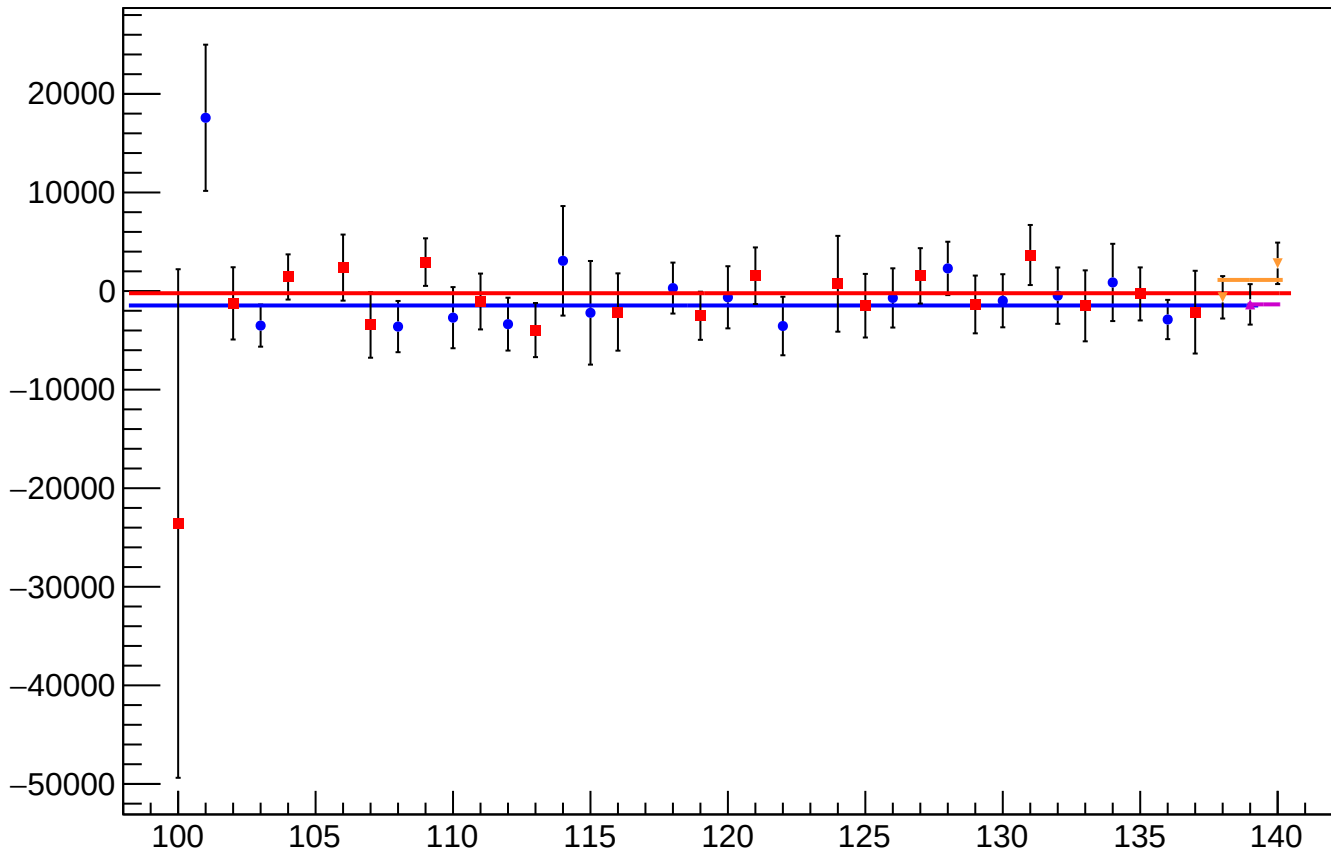
Left In: 4401.770+/-3.390 χ^2/NDF :0.0/0

+ sign 3868.853+/-0.947 χ^2/NDF : 882460.6/17

All: 3754.497+/-0.664 χ^2/NDF : 2187103.4/37

- sign 3643.755+/-0.932 χ^2/NDF : 1275942.8/19

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646 $\pm$ 728.274 χ^2 /NDF: 13.6/15

Left Out: 1129.167 $\pm$ 1503.582 χ^2 /NDF: 1.3/1

Right Out: -219.720 $\pm$ 708.852 χ^2 /NDF: 10.8/18

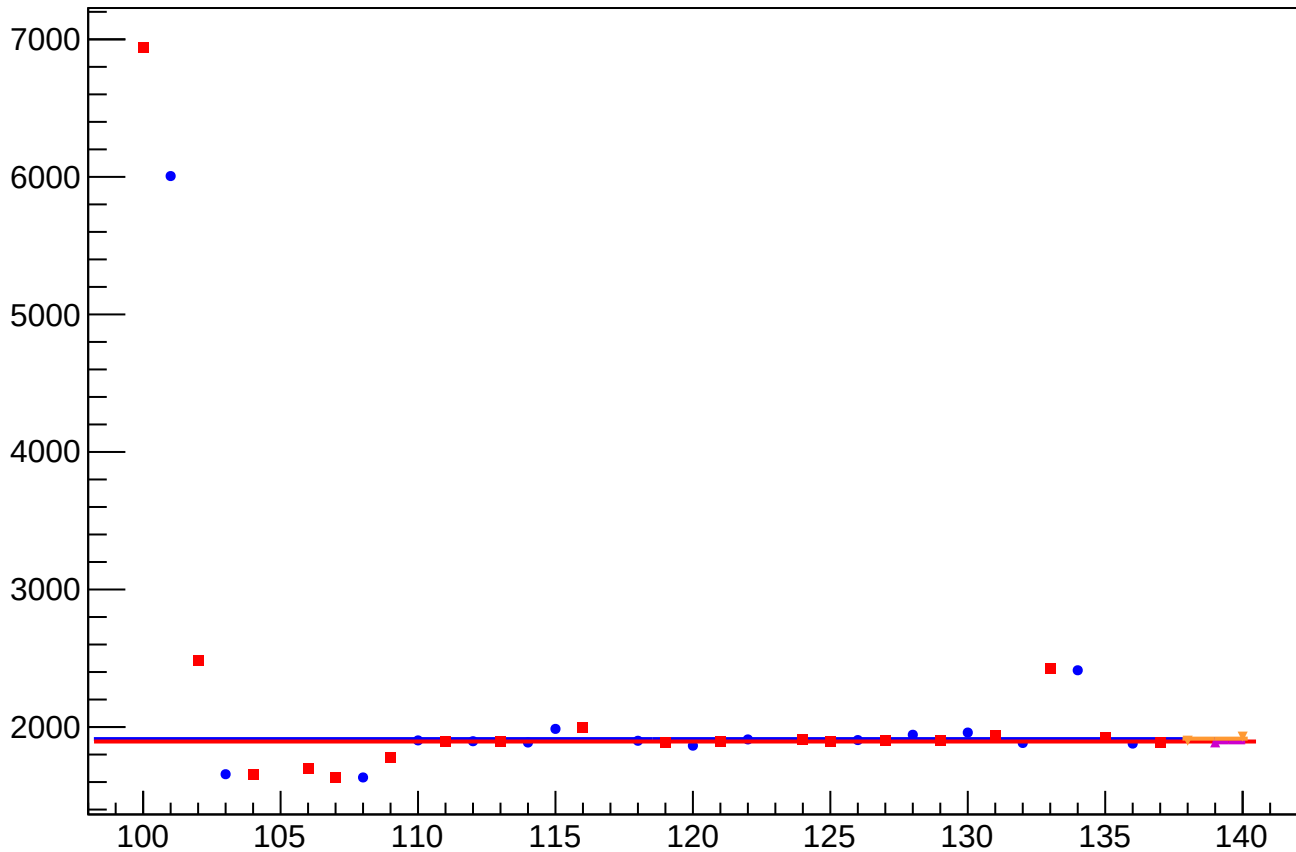
Left In: -1351.034 $\pm$ 2052.780 χ^2 /NDF: 0.0/0

+ sign -970.140 $\pm$ 655.437 χ^2 /NDF: 17.3/17

All: -662.127 $\pm$ 468.538 χ^2 /NDF: 28.8/37

- sign -340.248 $\pm$ 670.029 χ^2 /NDF: 11.1/19

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.1/15

Left Out: 1915.717+/-1.063 χ^2/NDF :193.2/1

Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

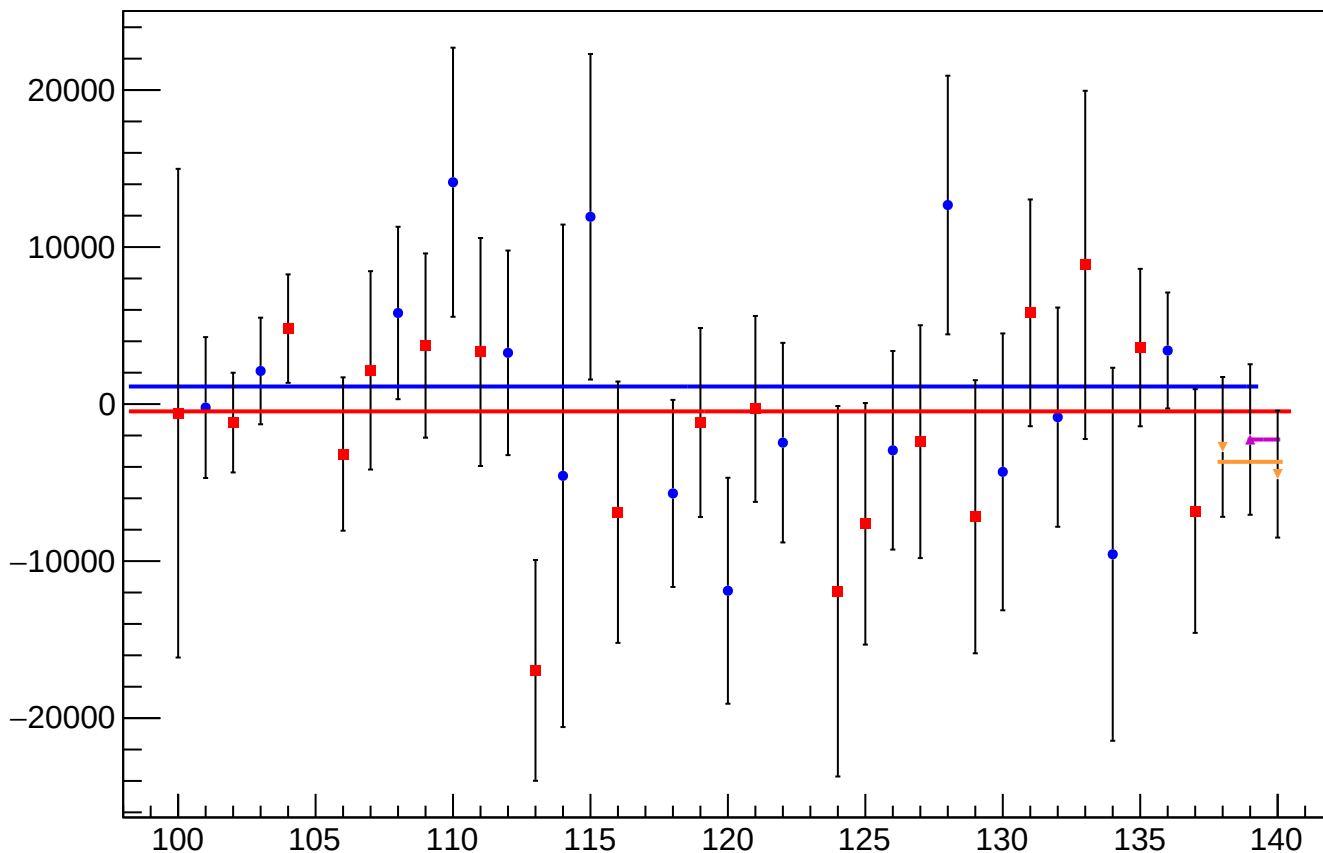
Left In: 1888.722+/-1.452 χ^2/NDF :0.0/0

+ sign 1913.013+/-0.463 χ^2/NDF : 696421.3/17

All: 1903.766+/-0.331 χ^2/NDF : 917031.4/37

- sign 1894.122+/-0.473 χ^2/NDF : 219797.0/19

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF : 13.5/15

Left Out: -3677.126+/-2992.849 χ^2/NDF : 0.1/1

Right Out: -464.367+/-1370.817 χ^2/NDF : 15.0/18

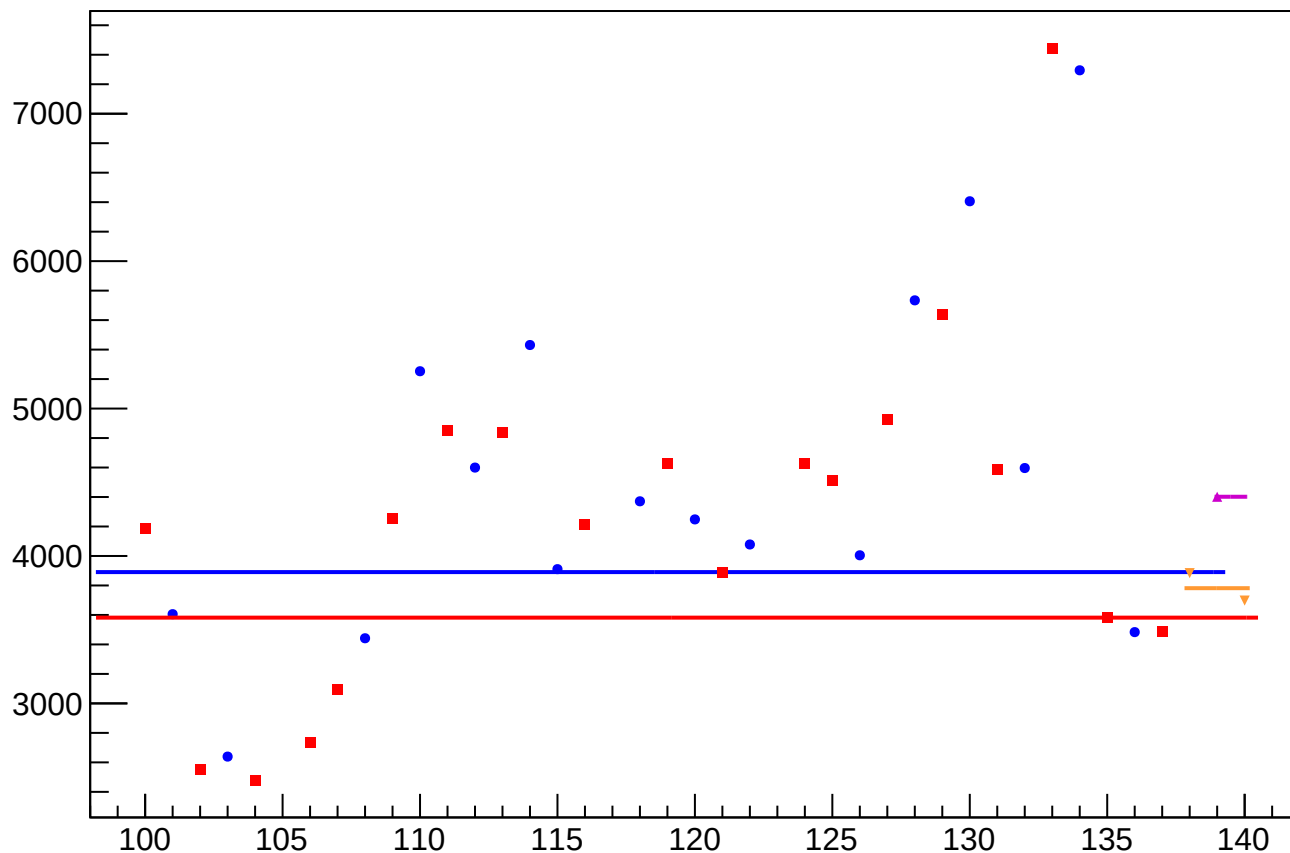
Left In: -2255.477+/-4794.138 χ^2/NDF : 0.0/0

+ sign 159.426+/-1339.333 χ^2/NDF : 15.6/17

All: -226.252+/-939.417 χ^2/NDF : 30.9/37

- sign -599.739+/-1317.996 χ^2/NDF : 15.1/19

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF : 878409.2/15

Left Out: 3781.582+/-2.116 χ^2/NDF : 1916.0/1

Right Out: 3581.777+/-0.969 χ^2/NDF : 1221846.6/18

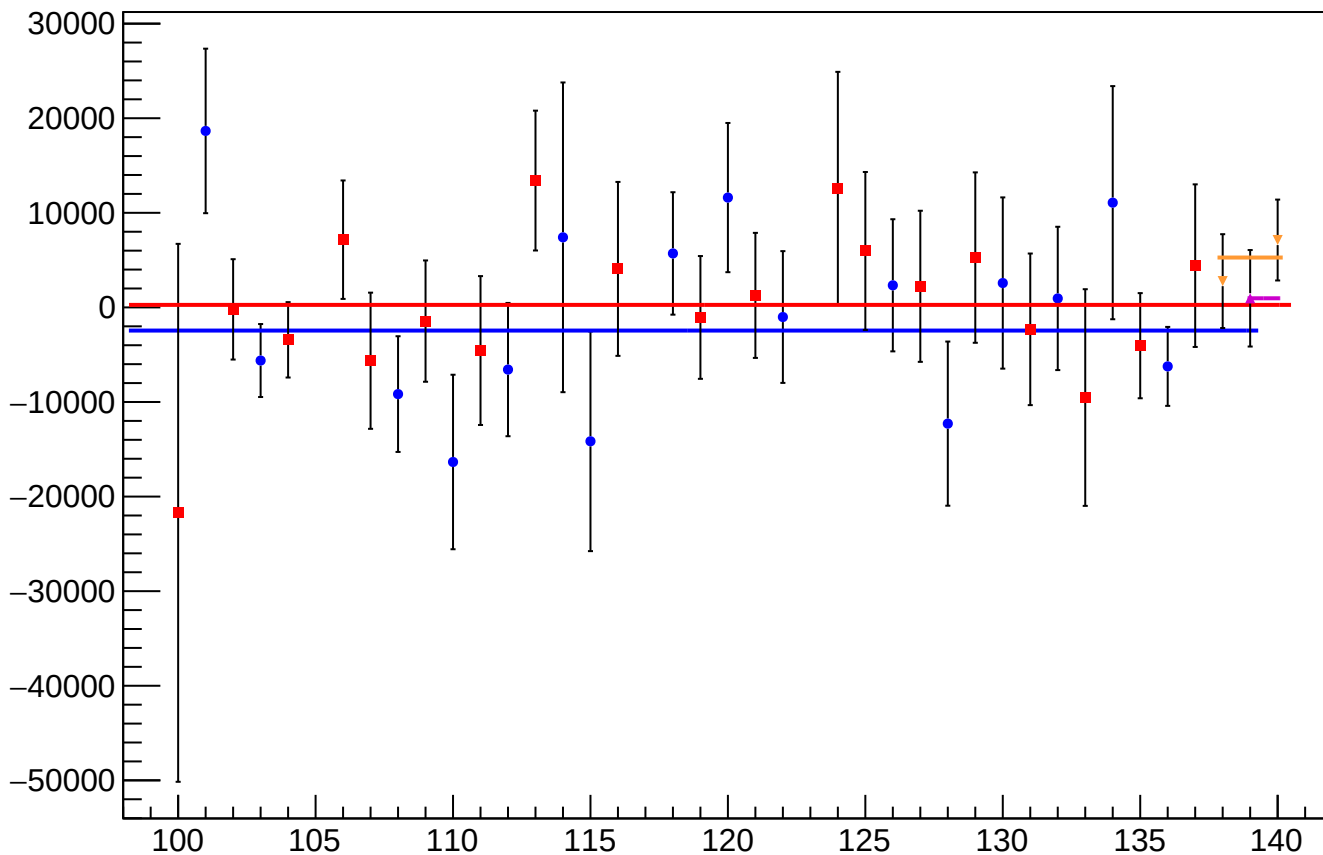
Left In: 4401.782+/-3.390 χ^2/NDF : 0.0/0

+ sign 3868.852+/-0.947 χ^2/NDF : 882451.6/17

All: 3754.495+/-0.664 χ^2/NDF : 2187087.7/37

- sign 3643.753+/-0.932 χ^2/NDF : 1275935.8/19

asym_atr_dd_mean vs Slug



Right In: -2448.262 $\pm$ 1719.694 χ^2 /NDF: 20.9/15

Left Out: 5271.898 $\pm$ 3238.348 χ^2 /NDF: 0.4/1

Right Out: 265.886 $\pm$ 1622.574 χ^2 /NDF: 10.7/18

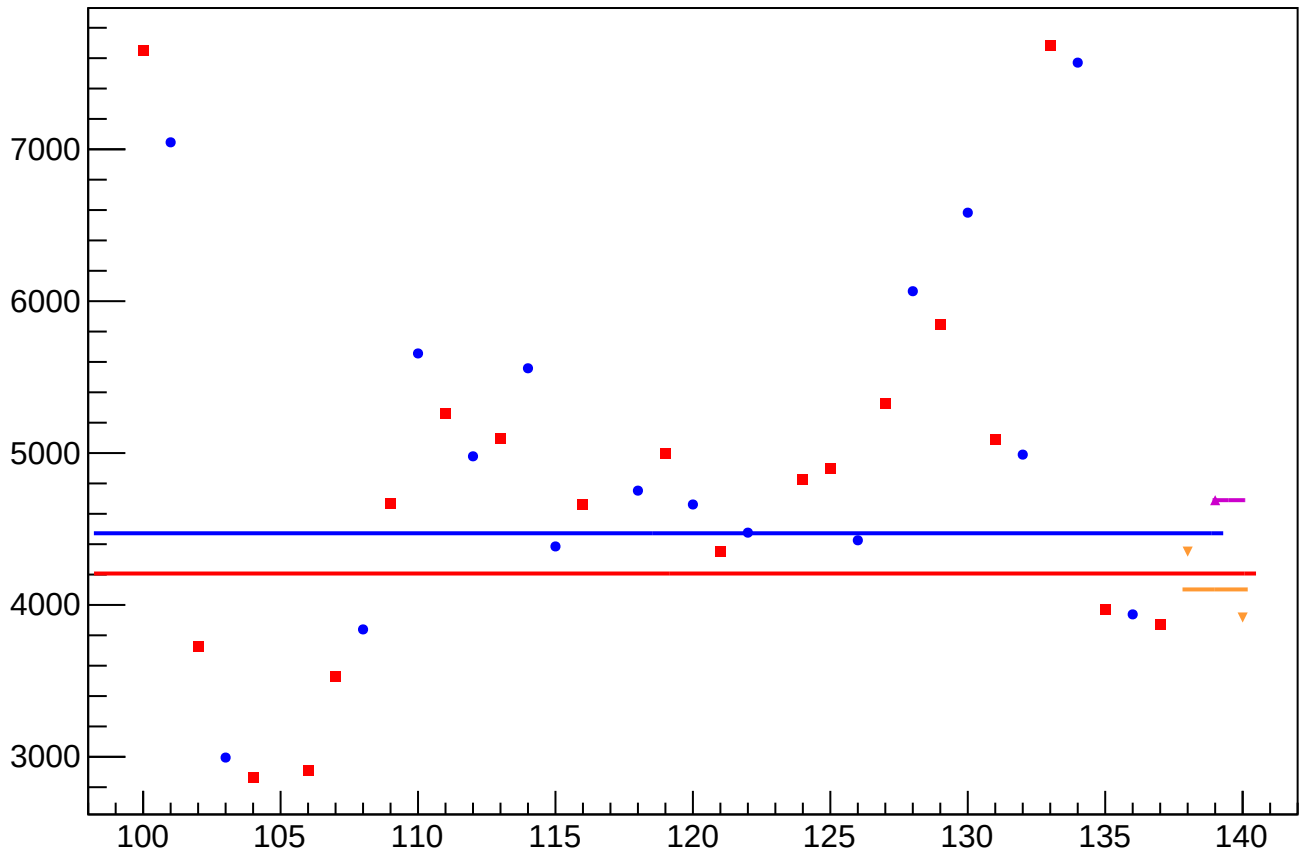
Left In: 964.384 $\pm$ 5100.964 χ^2 /NDF: 0.0/0

+ sign -750.049 $\pm$ 1518.821 χ^2 /NDF: 25.7/17

All: -219.650 $\pm$ 1083.530 χ^2 /NDF: 36.7/37

- sign 330.068 $\pm$ 1546.233 χ^2 /NDF: 10.7/19

asym_atr_dd_rms vs Slug



Right In: 4471.904 ± 1.216 $\chi^2/\text{NDF}: 891678.4/15$

Left Out: 4102.122 ± 2.290 $\chi^2/\text{NDF}: 8779.4/1$

Right Out: 4206.907 ± 1.138 $\chi^2/\text{NDF}: 846525.2/18$

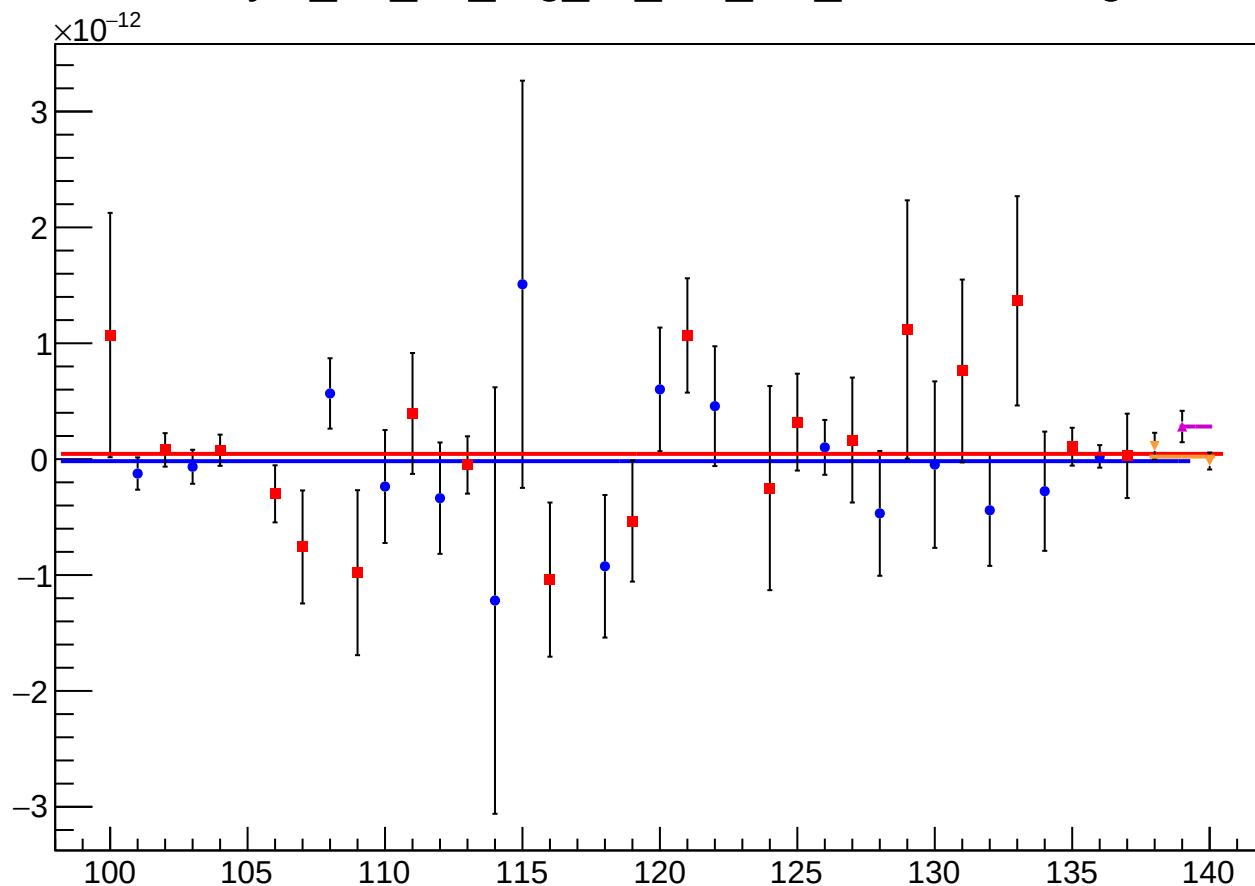
Left In: 4689.819 ± 3.607 $\chi^2/\text{NDF}: 0.0/0$

+ sign 4390.563 ± 1.074 $\chi^2/\text{NDF}: 920799.4/17$

All: 4321.324 ± 0.763 $\chi^2/\text{NDF}: 1792027.6/37$

- sign 4250.624 ± 1.085 $\chi^2/\text{NDF}: 862827.6/19$

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 : 0.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.2/18

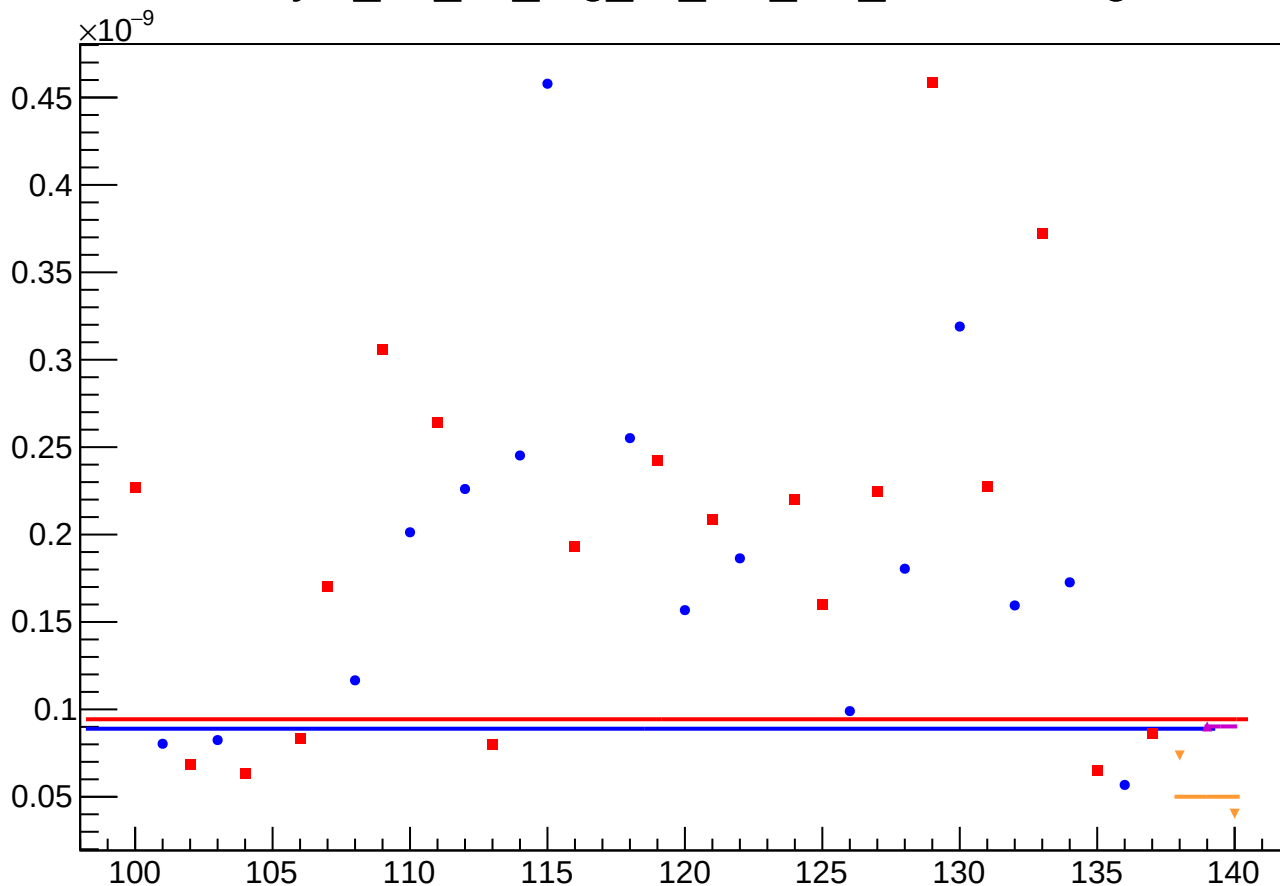
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 13.9/17

All: 0.000 ± 0.000 χ^2/NDF : 39.0/37

- sign 0.000 ± 0.000 χ^2/NDF : 23.6/19

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1230222.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:120578.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1695078.0/18

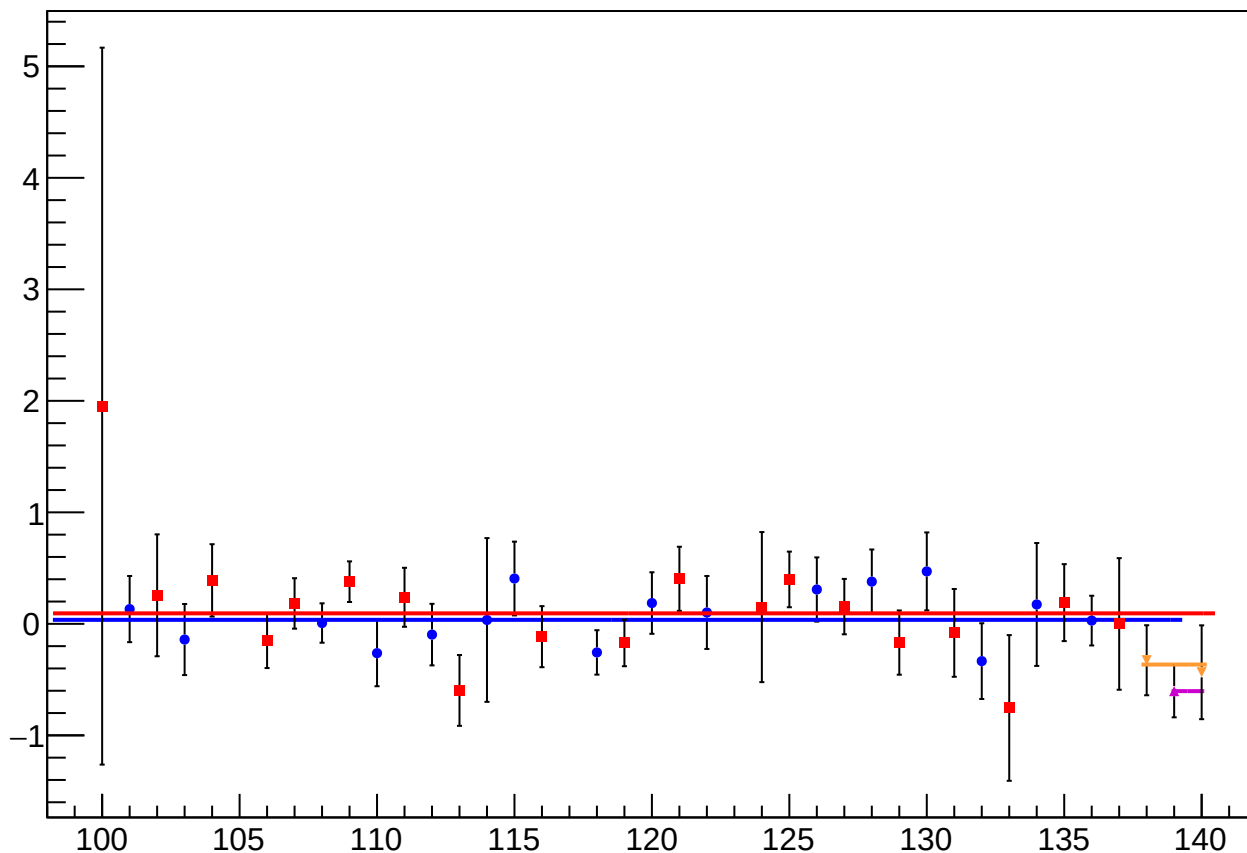
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1750611.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3652841.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1696549.1/19

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 χ^2/NDF : 10.5/15

Left Out: -0.365 ± 0.252 χ^2/NDF : 0.0/1

Right Out: 0.094 ± 0.068 χ^2/NDF : 17.6/18

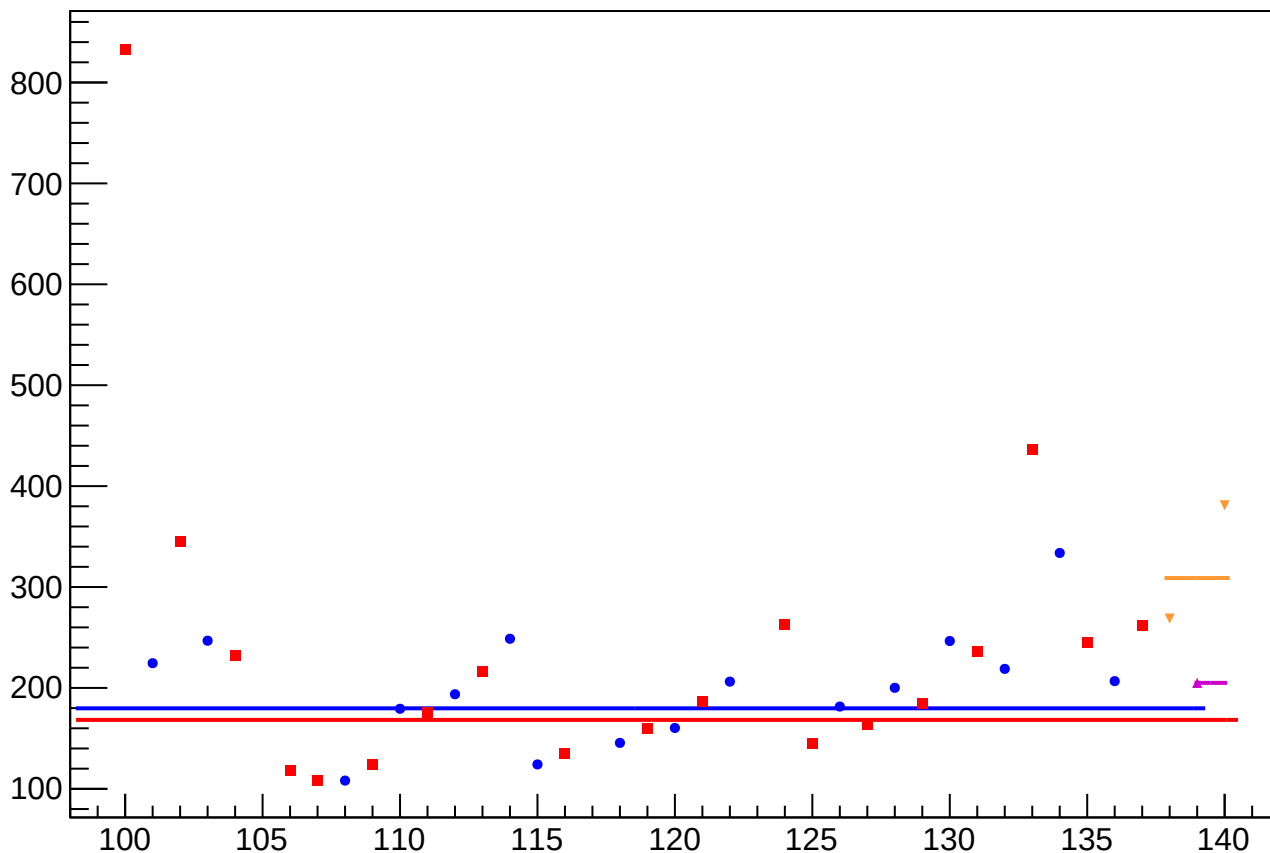
Left In: -0.603 ± 0.235 χ^2/NDF : 0.0/0

+ sign 0.007 ± 0.068 χ^2/NDF : 12.9/17

All: 0.025 ± 0.047 χ^2/NDF : 38.8/37

- sign 0.041 ± 0.065 χ^2/NDF : 25.8/19

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796 ± 0.050 $\chi^2/\text{NDF}: 918536.0/15$

Left Out: 308.907 ± 0.178 $\chi^2/\text{NDF}: 91390.8/1$

Right Out: 168.334 ± 0.048 $\chi^2/\text{NDF}: 1409290.2/18$

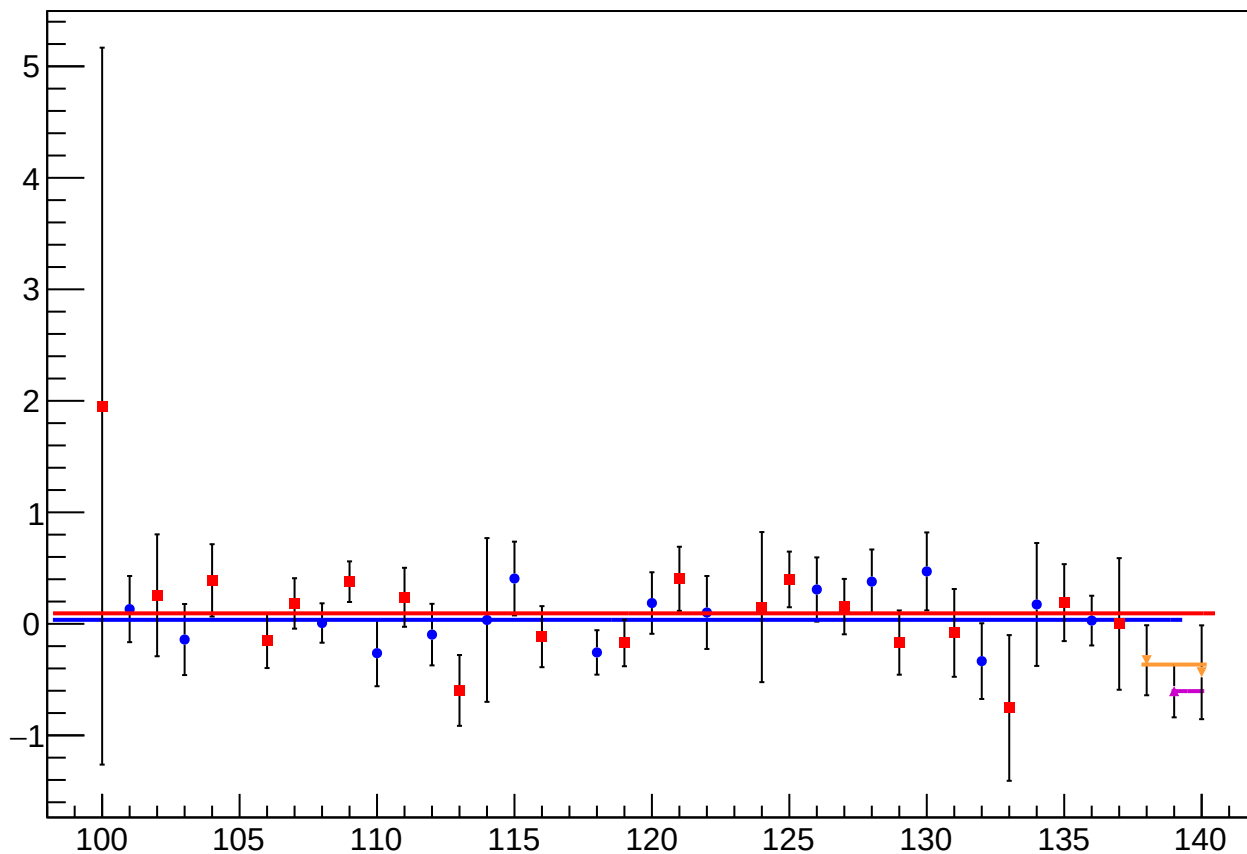
Left In: 205.013 ± 0.166 $\chi^2/\text{NDF}: 0.0/0$

+ sign 189.211 ± 0.048 $\chi^2/\text{NDF}: 1497966.7/17$

All: 179.772 ± 0.033 $\chi^2/\text{NDF}: 3026100.8/37$

- sign 171.138 ± 0.046 $\chi^2/\text{NDF}: 1454262.2/19$

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: -0.365 ± 0.252 χ^2/NDF : 0.0/1

Right Out: 0.094 ± 0.068 χ^2/NDF : 17.6/18

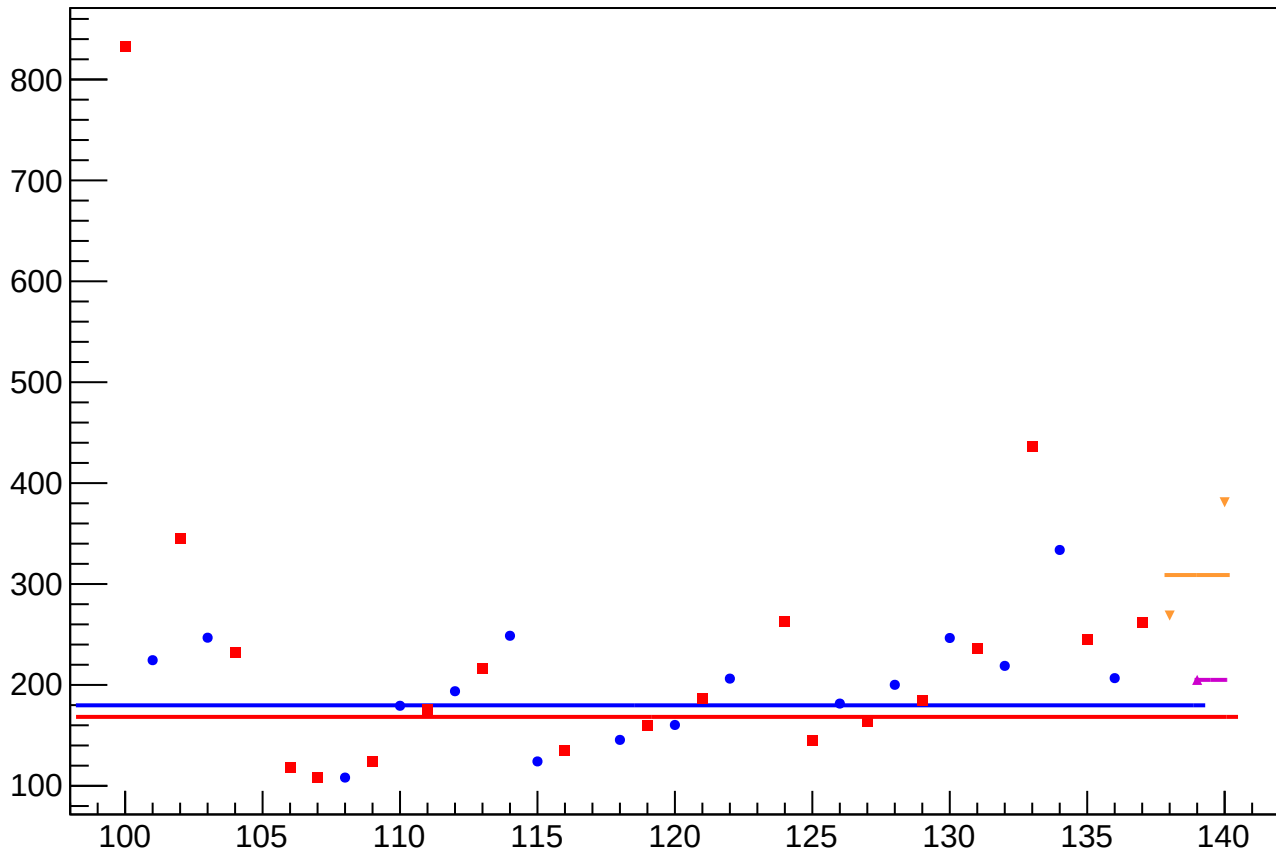
Left In: -0.603 ± 0.235 χ^2/NDF : 0.0/0

+ sign 0.007 ± 0.068 χ^2/NDF : 12.9/17

All: 0.025 ± 0.047 χ^2/NDF : 38.8/37

- sign 0.041 ± 0.065 χ^2/NDF : 25.8/19

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: 308.907+/-0.178 χ^2/NDF : 91390.8/1

Right Out: 168.334+/-0.048 χ^2/NDF : 1409290.2/18

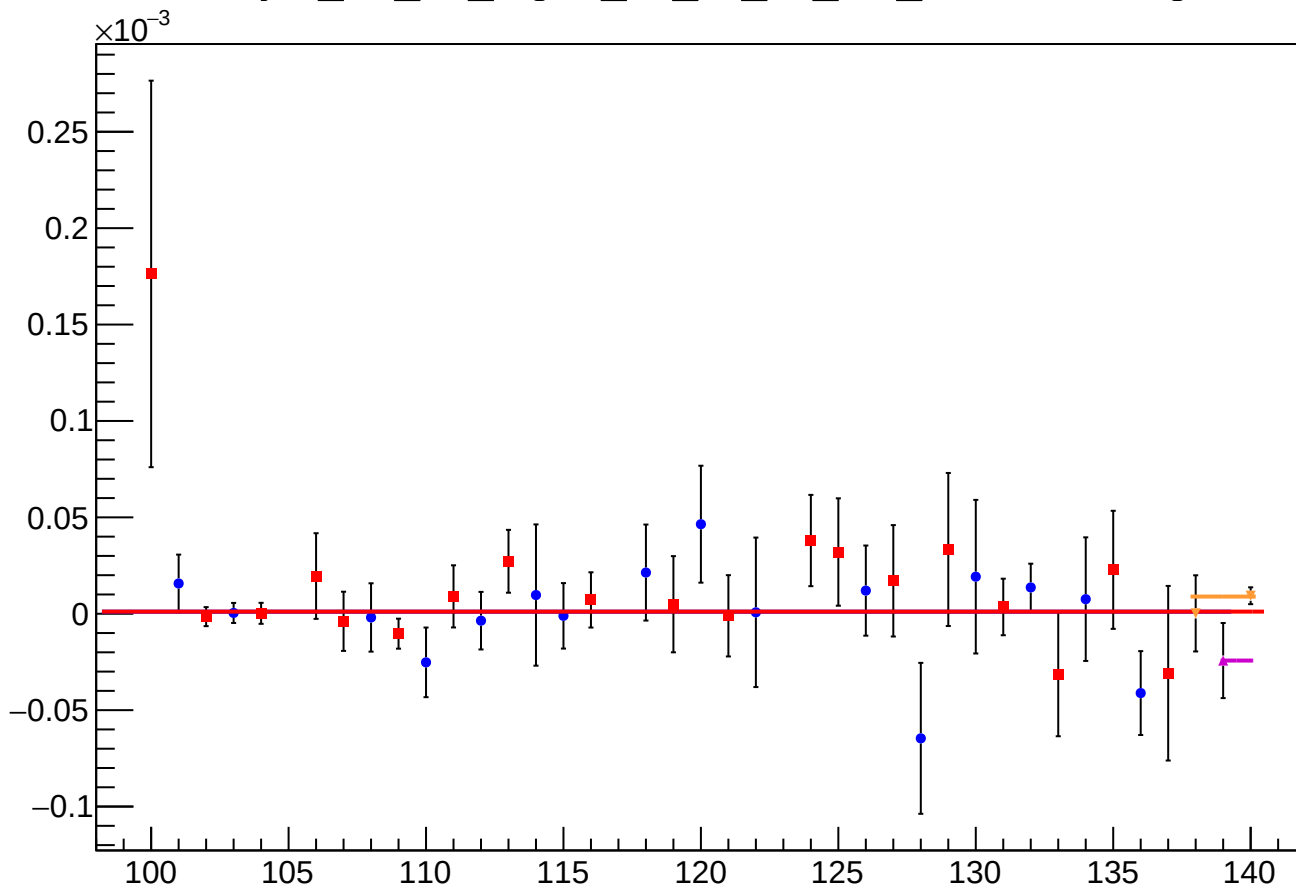
Left In: 205.013+/-0.166 χ^2/NDF : 0.0/0

+ sign 189.211+/-0.048 χ^2/NDF : 1497966.7/17

All: 179.772+/-0.033 χ^2/NDF : 3026100.8/37

- sign 171.138+/-0.046 χ^2/NDF : 1454262.2/19

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

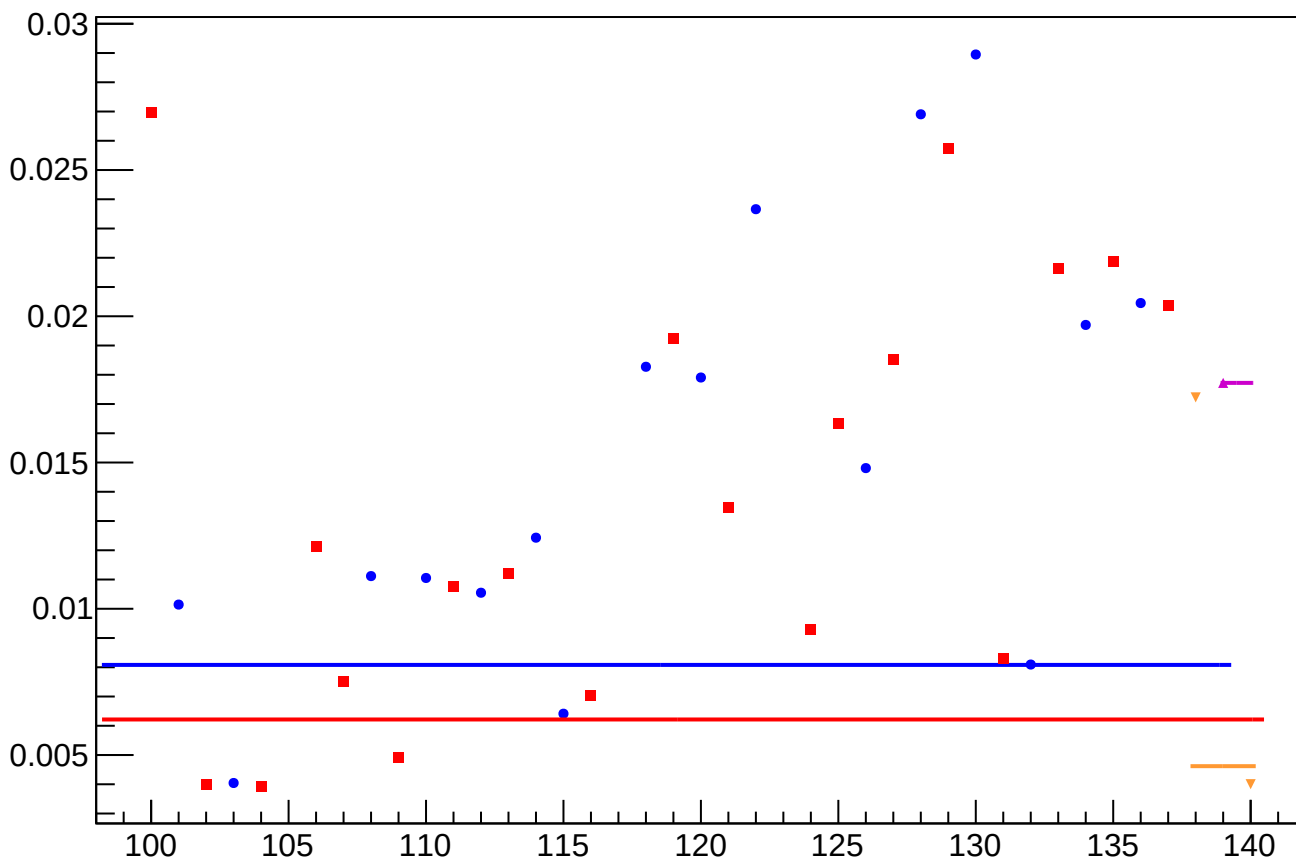
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/19

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 4413462.8/15

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF :854286.7/1

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 4560988.3/18

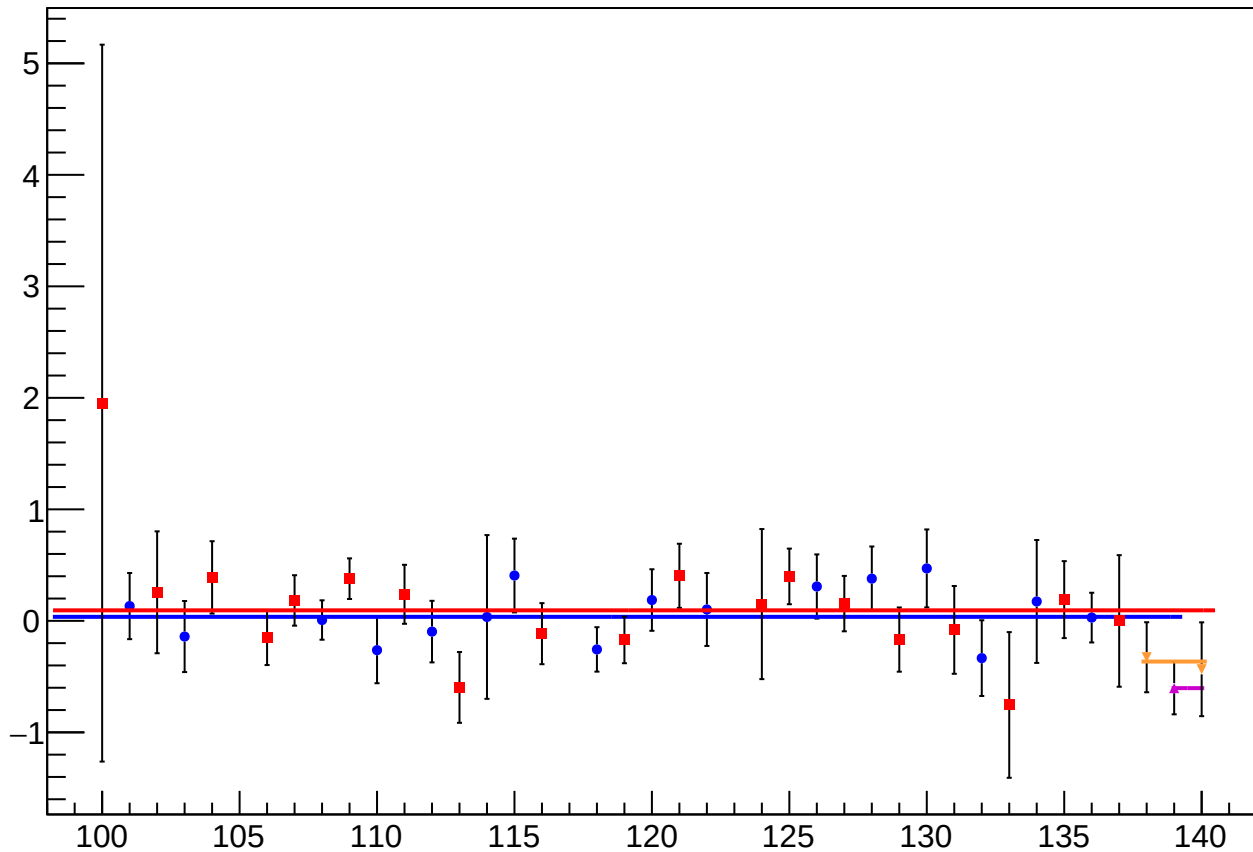
Left In: 0.018 $\pm$ 0.000 χ^2/NDF :0.0/0

+ sign 0.007 $\pm$ 0.000 χ^2/NDF : 6017519.6/17

All: 0.007 $\pm$ 0.000 χ^2/NDF : 11264811.9/37

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 5244871.7/19

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 $\chi^2/\text{NDF}: 10.5/15$

Left Out: -0.365 ± 0.252 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 0.094 ± 0.068 $\chi^2/\text{NDF}: 17.6/18$

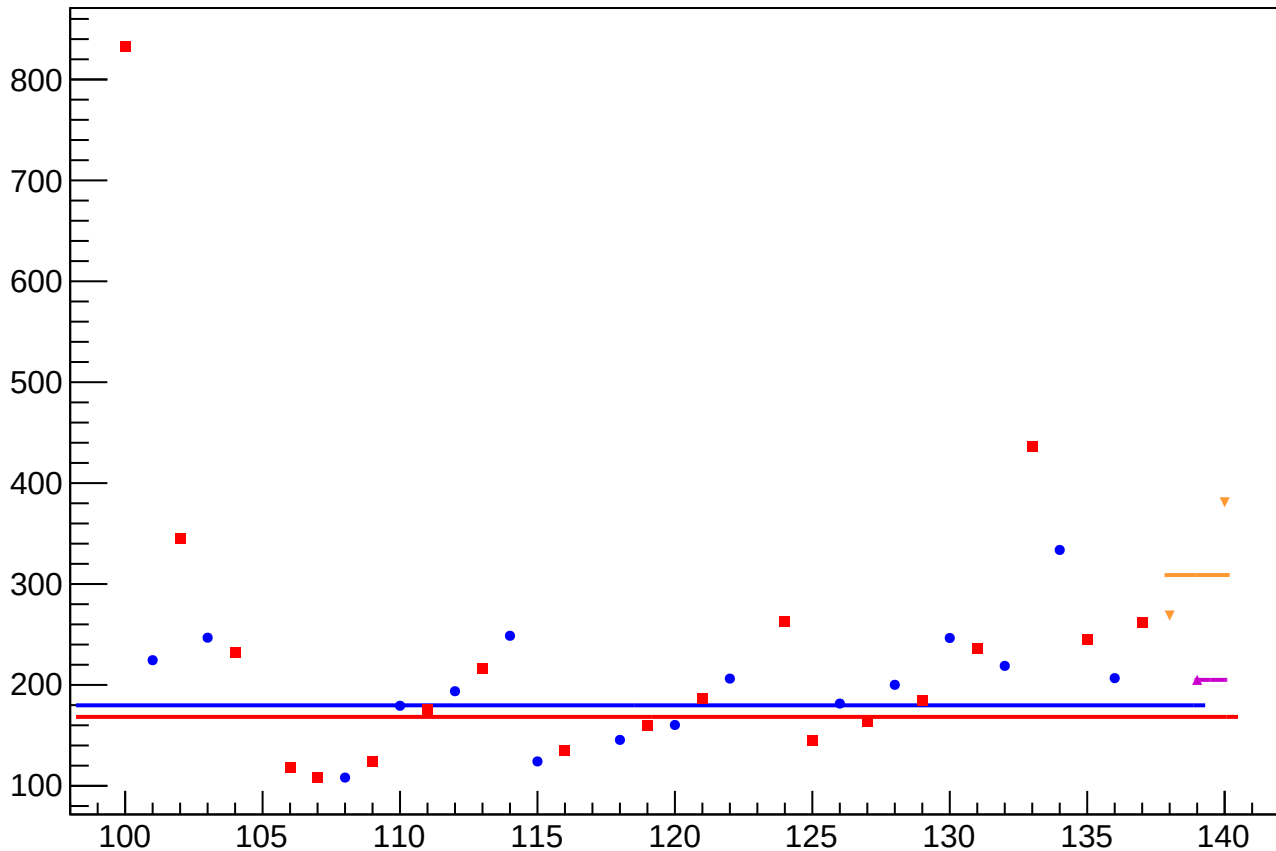
Left In: -0.603 ± 0.235 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.007 ± 0.068 $\chi^2/\text{NDF}: 12.9/17$

All: 0.025 ± 0.047 $\chi^2/\text{NDF}: 38.8/37$

- sign 0.041 ± 0.065 $\chi^2/\text{NDF}: 25.8/19$

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: 308.911+/-0.178 χ^2/NDF : 91380.1/1

Right Out: 168.334+/-0.048 χ^2/NDF : 1409289.2/18

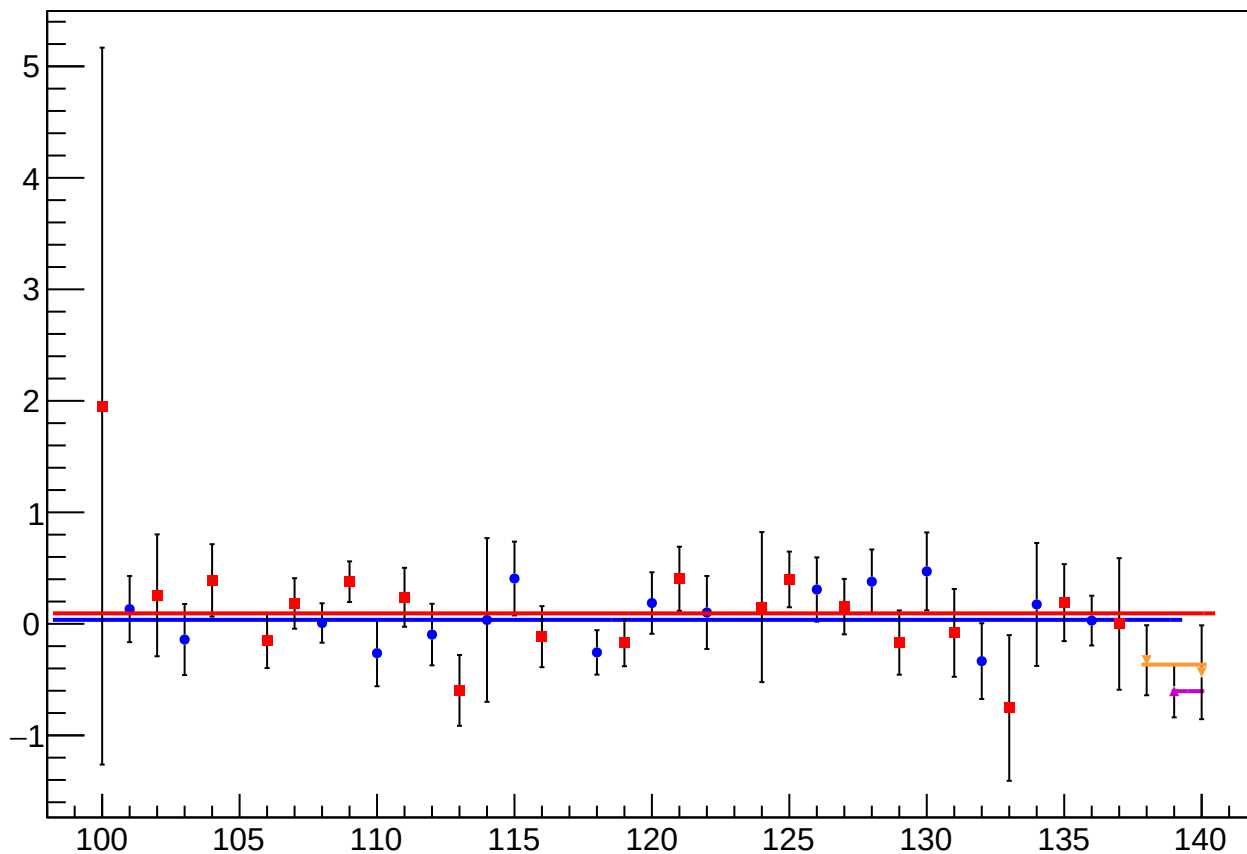
Left In: 205.017+/-0.166 χ^2/NDF : 0.0/0

+ sign 189.208+/-0.048 χ^2/NDF : 1498043.1/17

All: 179.771+/-0.033 χ^2/NDF : 3026163.9/37

- sign 171.138+/-0.046 χ^2/NDF : 1454268.8/19

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.071 χ^2 /NDF: 10.5/15

Left Out: -0.365 $\pm$ 0.252 χ^2 /NDF: 0.0/1

Right Out: 0.094 $\pm$ 0.068 χ^2 /NDF: 17.6/18

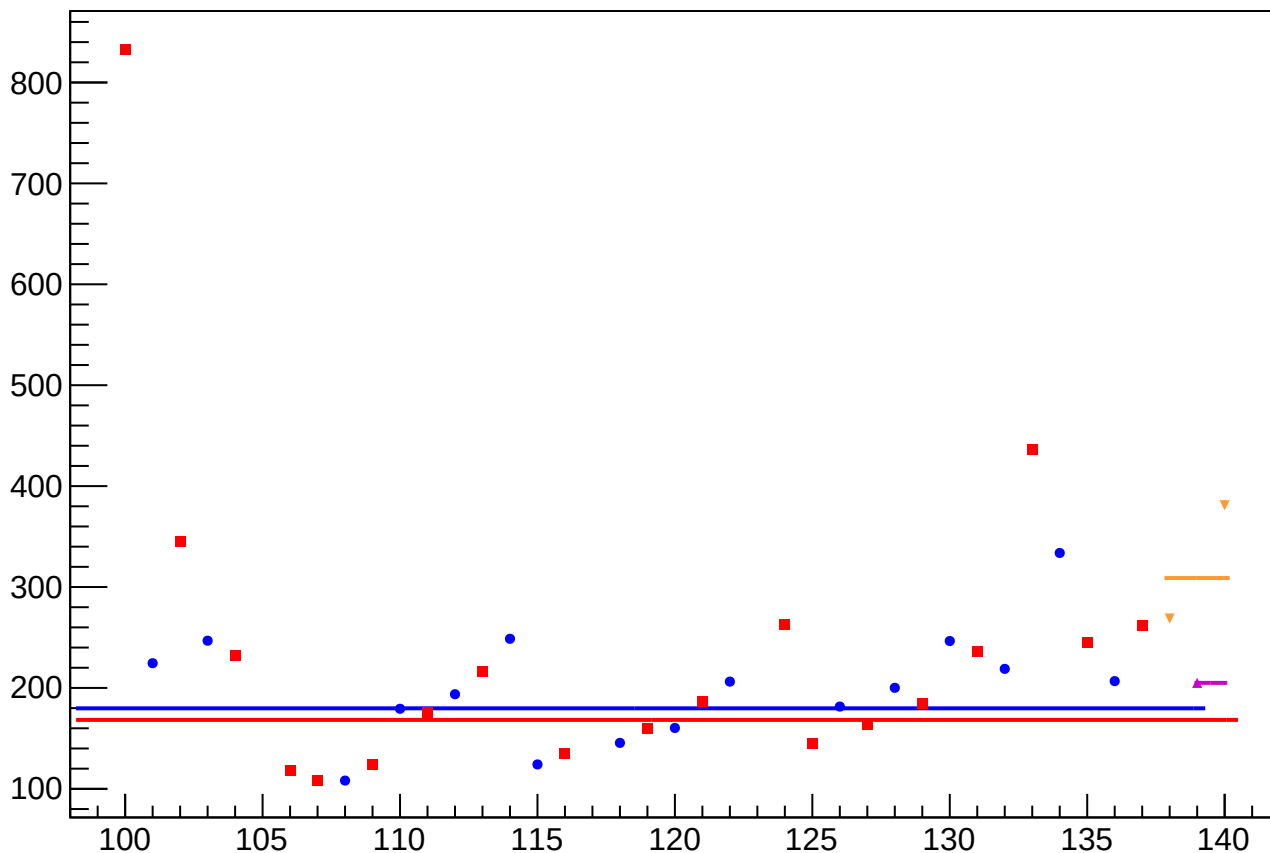
Left In: -0.603 $\pm$ 0.235 χ^2 /NDF: 0.0/0

+ sign 0.007 $\pm$ 0.068 χ^2 /NDF: 12.9/17

All: 0.025 $\pm$ 0.047 χ^2 /NDF: 38.8/37

- sign 0.041 $\pm$ 0.065 χ^2 /NDF: 25.8/19

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.793 $\pm$ 0.050 χ^2 /NDF: 918583.7/15

Left Out: 308.911 $\pm$ 0.178 χ^2 /NDF: 91380.1/1

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409289.2/18

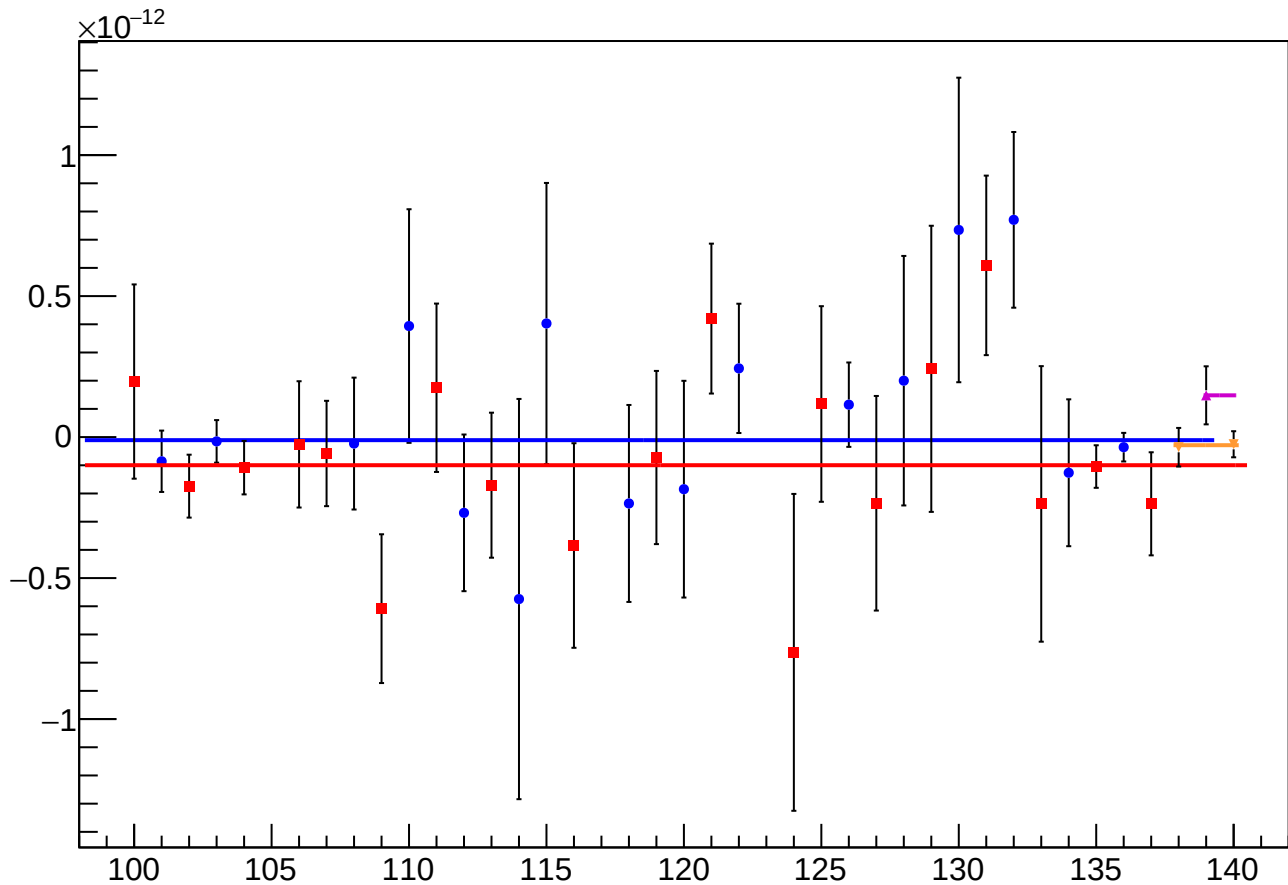
Left In: 205.017 $\pm$ 0.166 χ^2 /NDF: 0.0/0

+ sign 189.208 $\pm$ 0.048 χ^2 /NDF: 1498043.1/17

All: 179.771 $\pm$ 0.033 χ^2 /NDF: 3026163.9/37

- sign 171.138 $\pm$ 0.046 χ^2 /NDF: 1454268.8/19

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

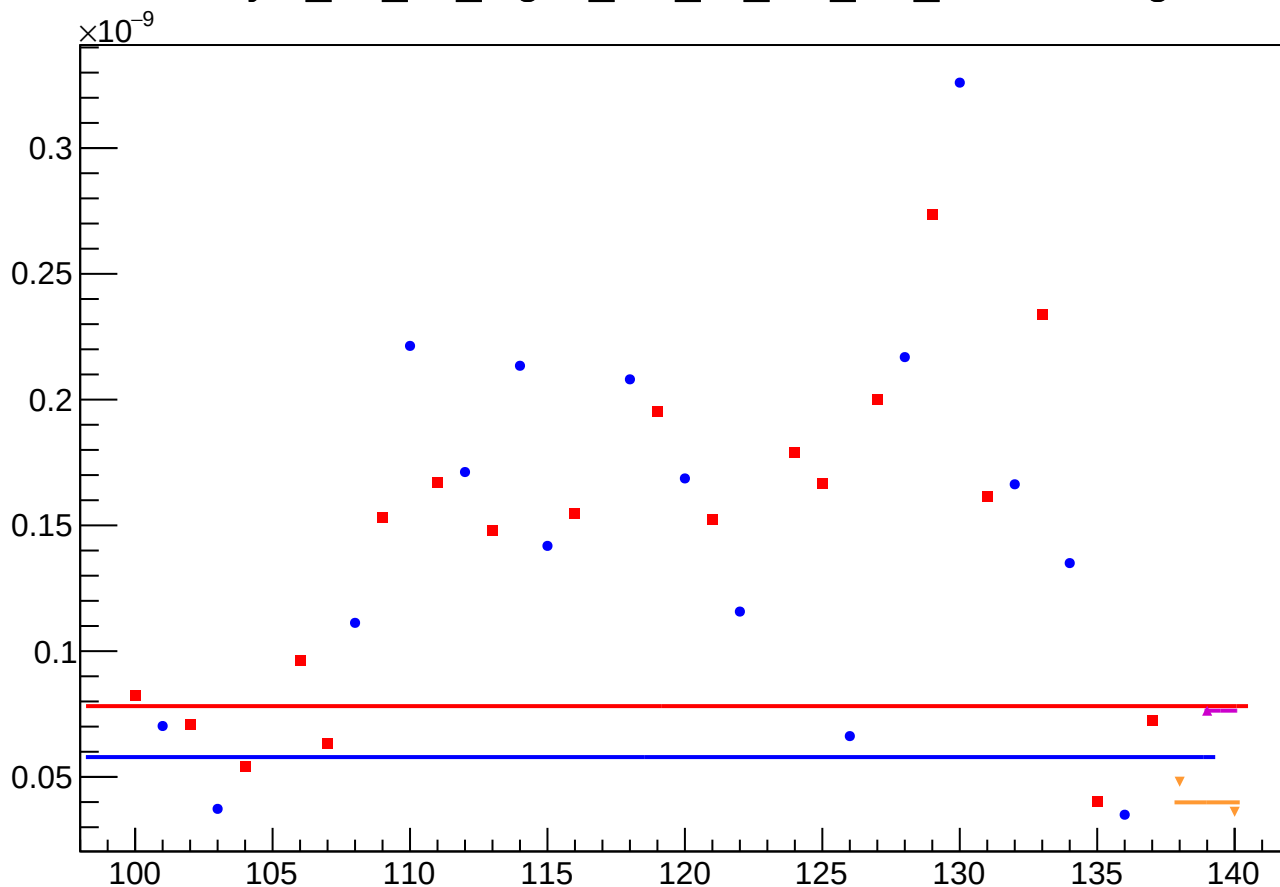
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 15.2/17

All: -0.000 ± 0.000 χ^2/NDF : 39.5/37

- sign -0.000 ± 0.000 χ^2/NDF : 23.4/19

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3322992.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 41846.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2732134.4/18

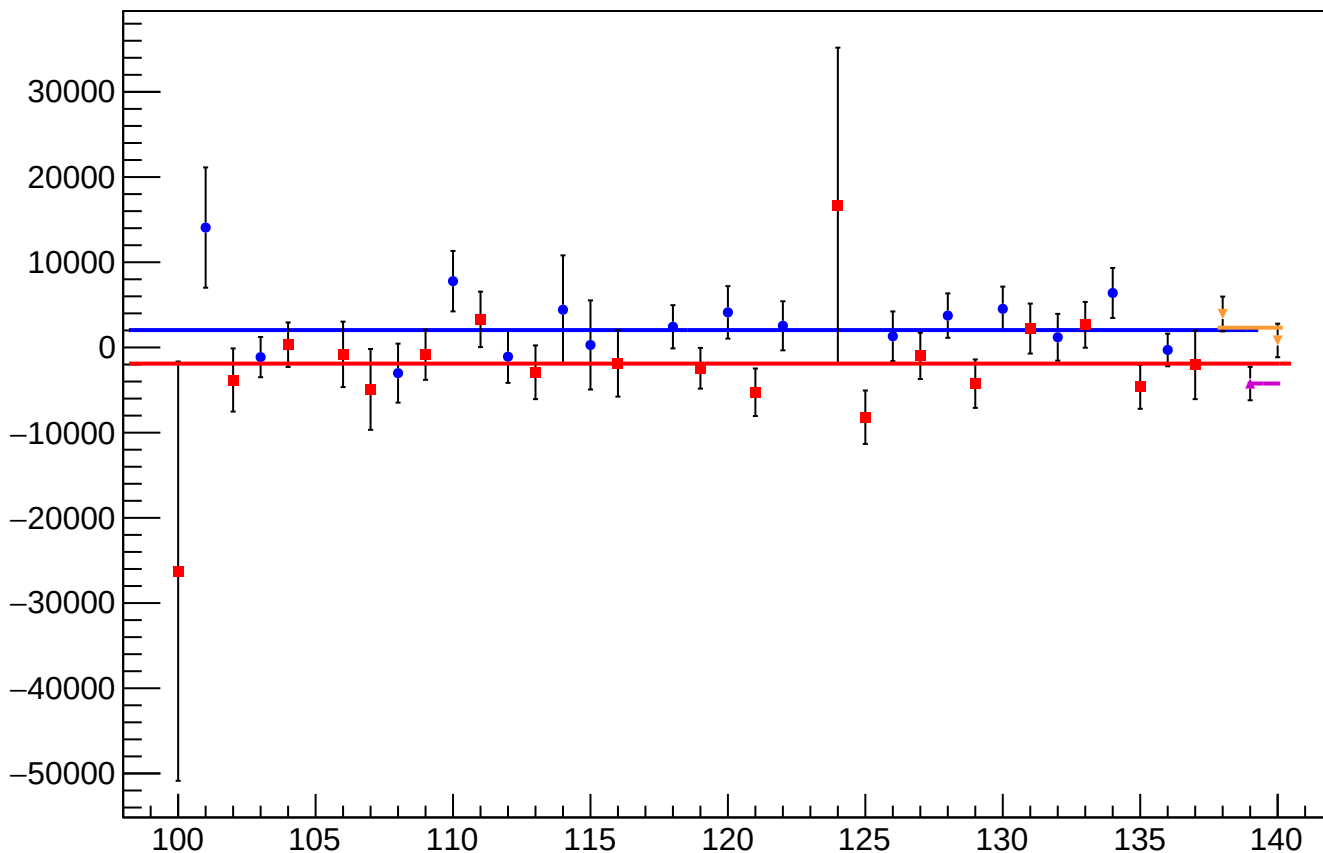
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3603871.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7064610.7/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2732661.7/19

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF : 16.4/15

Left Out: 2323.357+/-1416.790 χ^2/NDF : 1.2/1

Right Out: -1895.242+/-736.762 χ^2/NDF : 18.5/18

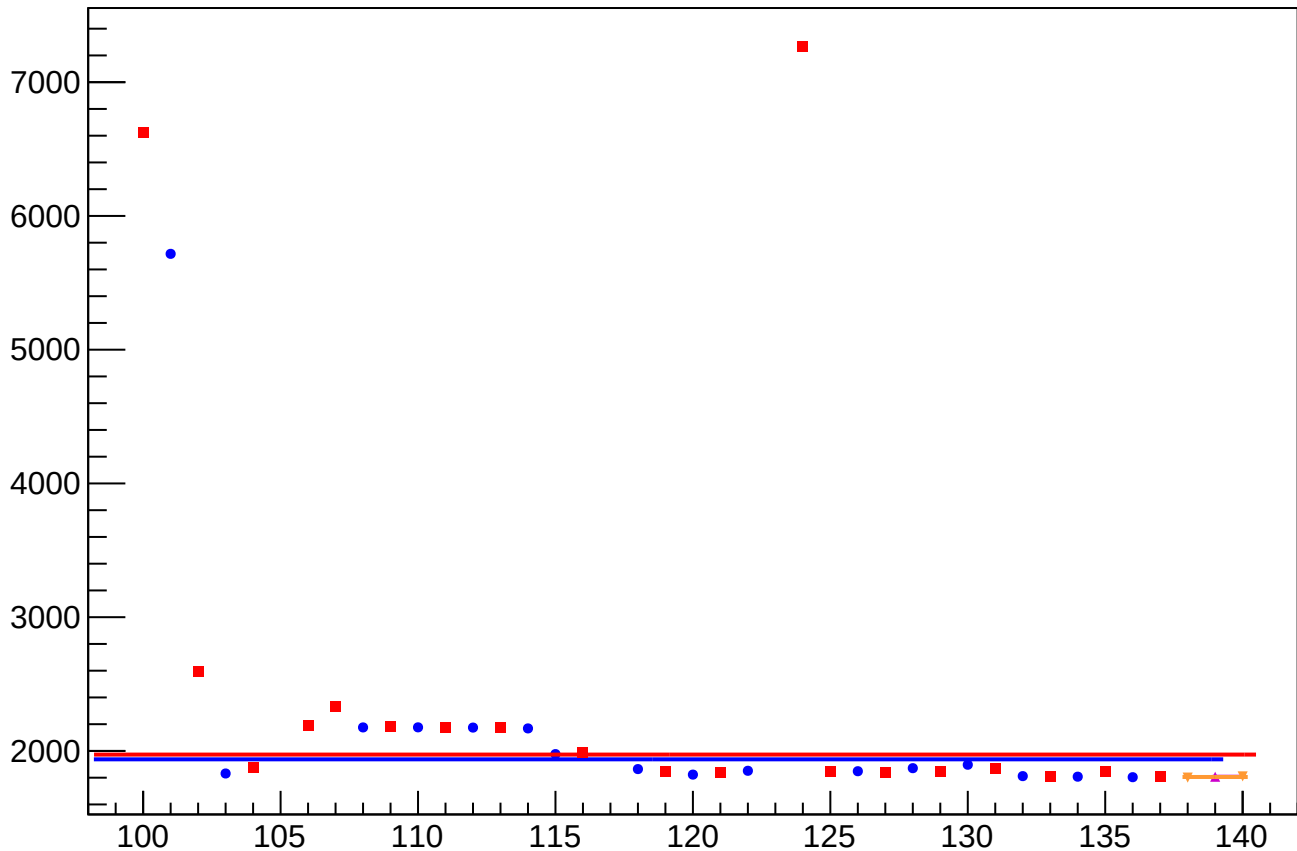
Left In: -4232.549+/-1964.371 χ^2/NDF : 0.0/0

+ sign 2099.624+/-653.277 χ^2/NDF : 17.7/17

All: 74.571+/-474.335 χ^2/NDF : 57.8/37

- sign -2183.487+/-689.837 χ^2/NDF : 19.7/19

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF : 20.3/1

Right Out: 1972.760+/-0.521 χ^2/NDF : 377537.1/18

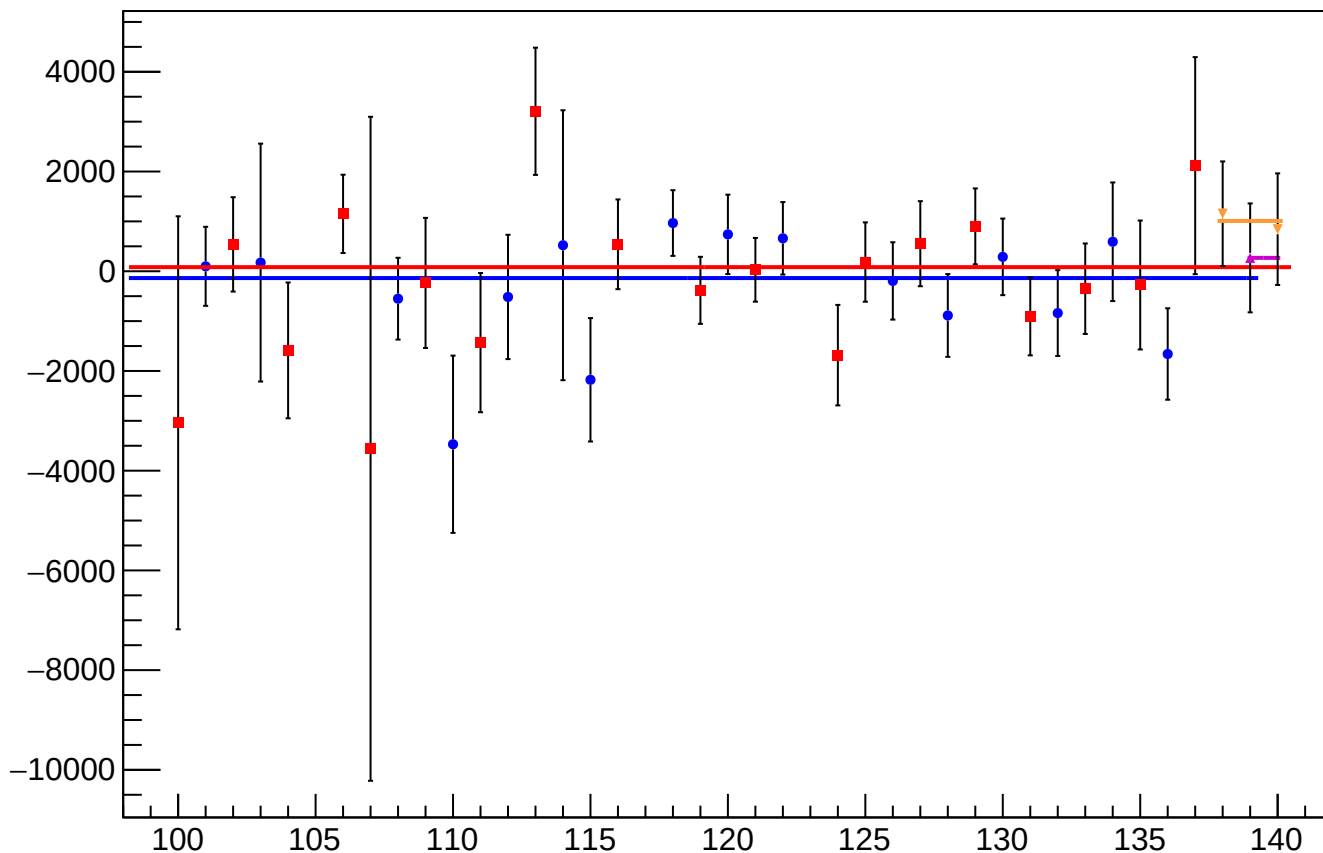
Left In: 1807.216+/-1.389 χ^2/NDF : 0.0/0

+ sign 1909.197+/-0.462 χ^2/NDF : 651772.1/17

All: 1929.597+/-0.335 χ^2/NDF : 1045886.6/37

- sign 1952.345+/-0.488 χ^2/NDF : 389989.4/19

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF : 16.9/15

Left Out: 1008.819+/-765.335 χ^2/NDF : 0.0/1

Right Out: 82.296+/-222.019 χ^2/NDF : 19.7/18

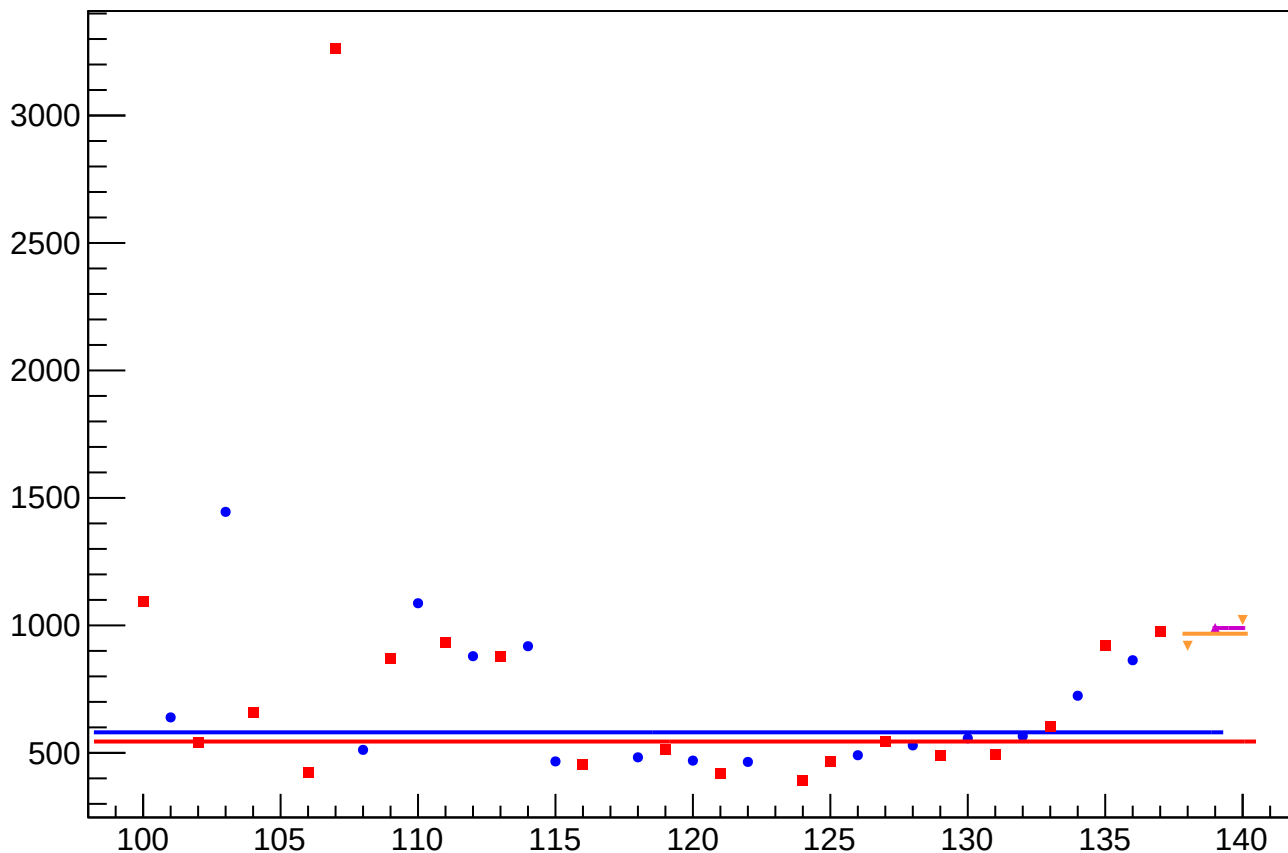
Left In: 268.068+/-1092.193 χ^2/NDF : 0.0/0

+ sign -41.436+/-220.647 χ^2/NDF : 19.0/17

All: 25.037+/-154.921 χ^2/NDF : 38.9/37

- sign 89.668+/-217.569 χ^2/NDF : 19.8/19

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611 $\pm$ 0.163 χ^2 /NDF: 1003410.8/15

Left Out: 967.342 $\pm$ 0.541 χ^2 /NDF: 8714.1/1

Right Out: 544.530 $\pm$ 0.157 χ^2 /NDF: 1287643.0/18

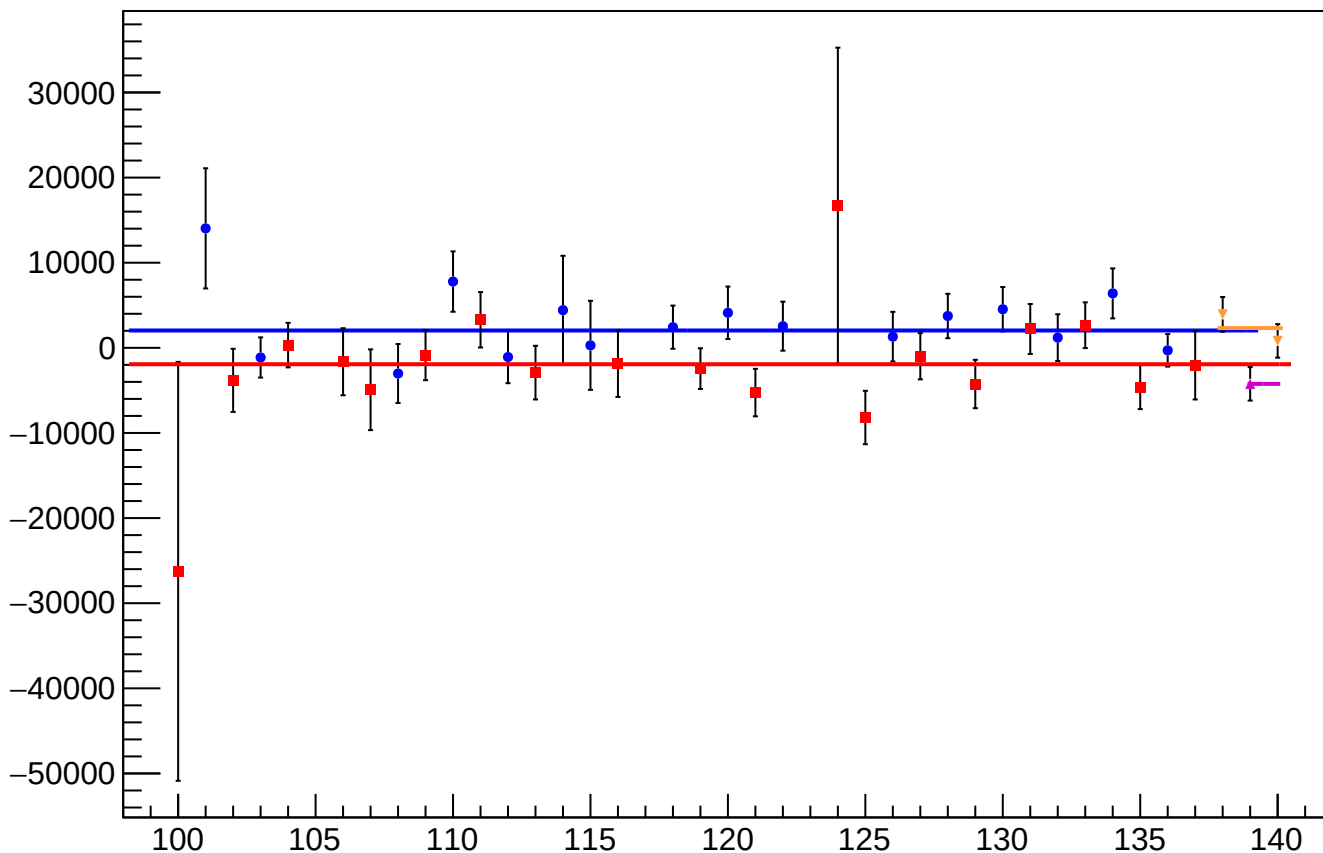
Left In: 989.745 $\pm$ 0.772 χ^2 /NDF: 0.0/0

+ sign 612.755 $\pm$ 0.156 χ^2 /NDF: 1480355.2/17

All: 587.121 $\pm$ 0.110 χ^2 /NDF: 3140379.9/37

- sign 562.197 $\pm$ 0.154 χ^2 /NDF: 1606785.4/19

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842 $\pm$ 736.211 χ^2 /NDF: 16.4/15

Left Out: 2323.376 $\pm$ 1416.790 χ^2 /NDF: 1.2/1

Right Out: -1926.264 $\pm$ 737.411 χ^2 /NDF: 18.4/18

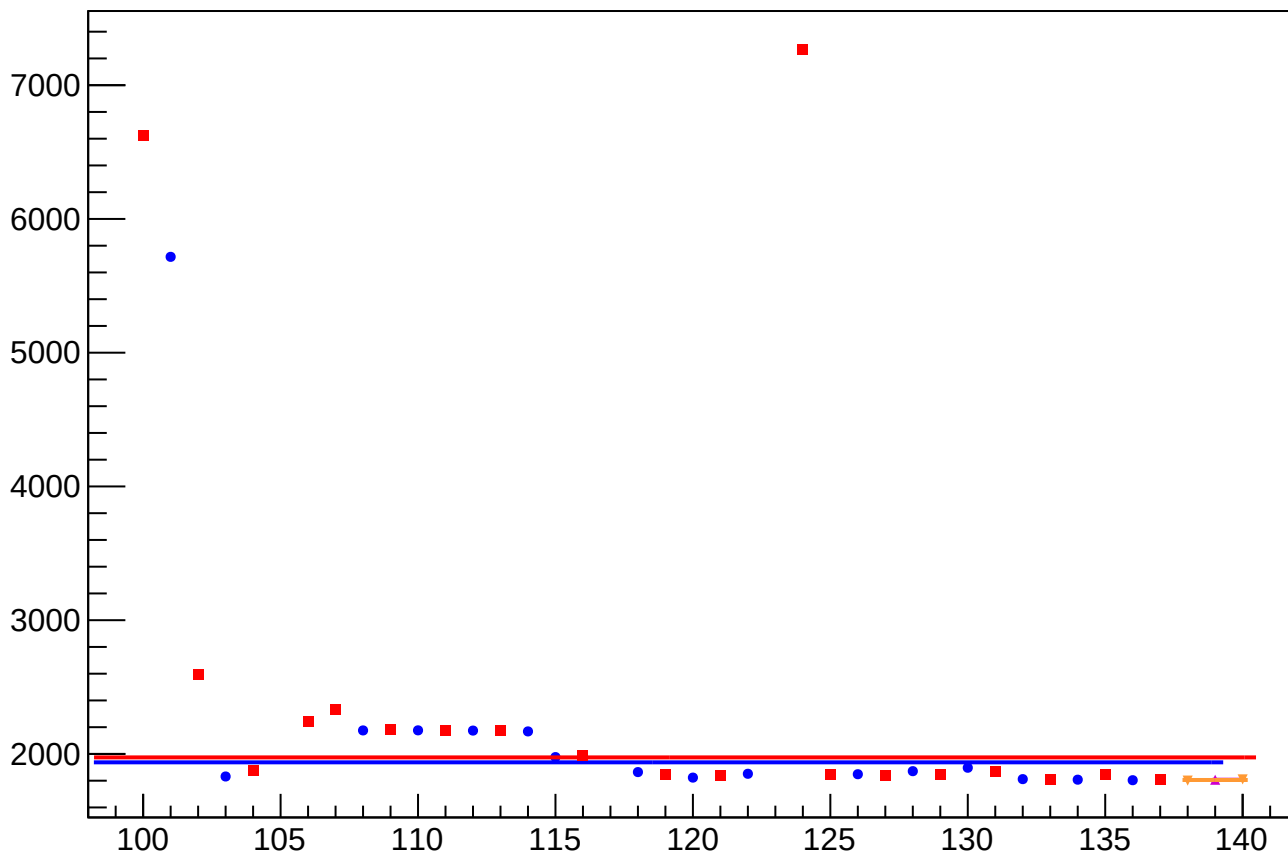
Left In: -4233.025 $\pm$ 1964.371 χ^2 /NDF: 0.0/0

+ sign 2099.337 $\pm$ 653.277 χ^2 /NDF: 17.7/17

All: 62.984 $\pm$ 474.508 χ^2 /NDF: 57.9/37

- sign -2211.181 $\pm$ 690.370 χ^2 /NDF: 19.6/19

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF : 20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

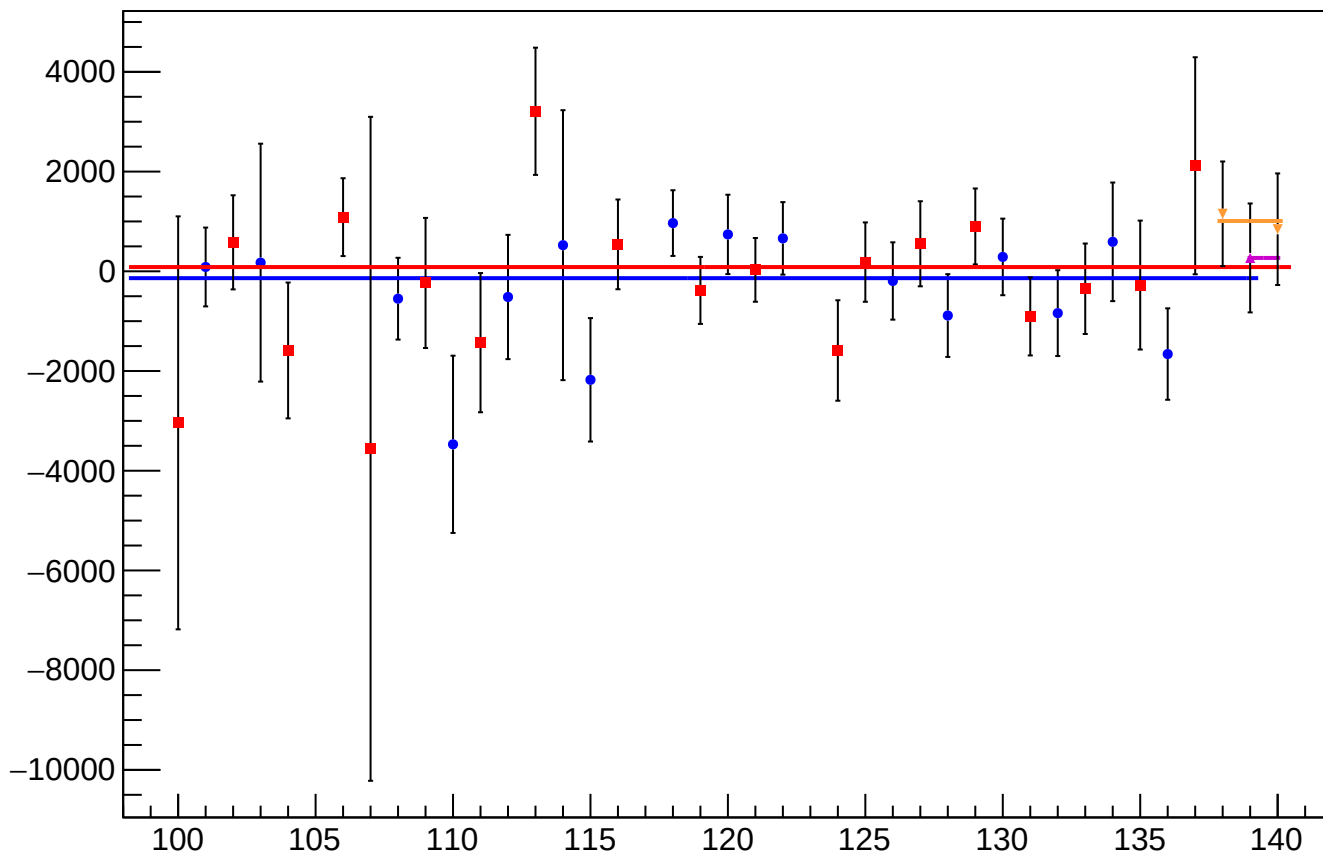
Left In: 1807.216+/-1.389 χ^2/NDF : 0.0/0

+ sign 1909.197+/-0.462 χ^2/NDF : 651772.1/17

All: 1930.143+/-0.336 χ^2/NDF : 1049215.4/37

- sign 1953.535+/-0.488 χ^2/NDF : 393091.0/19

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491 ± 230.382 χ^2/NDF : 16.9/15

Left Out: 1008.849 ± 765.333 χ^2/NDF : 0.0/1

Right Out: 84.947 ± 221.881 χ^2/NDF : 19.3/18

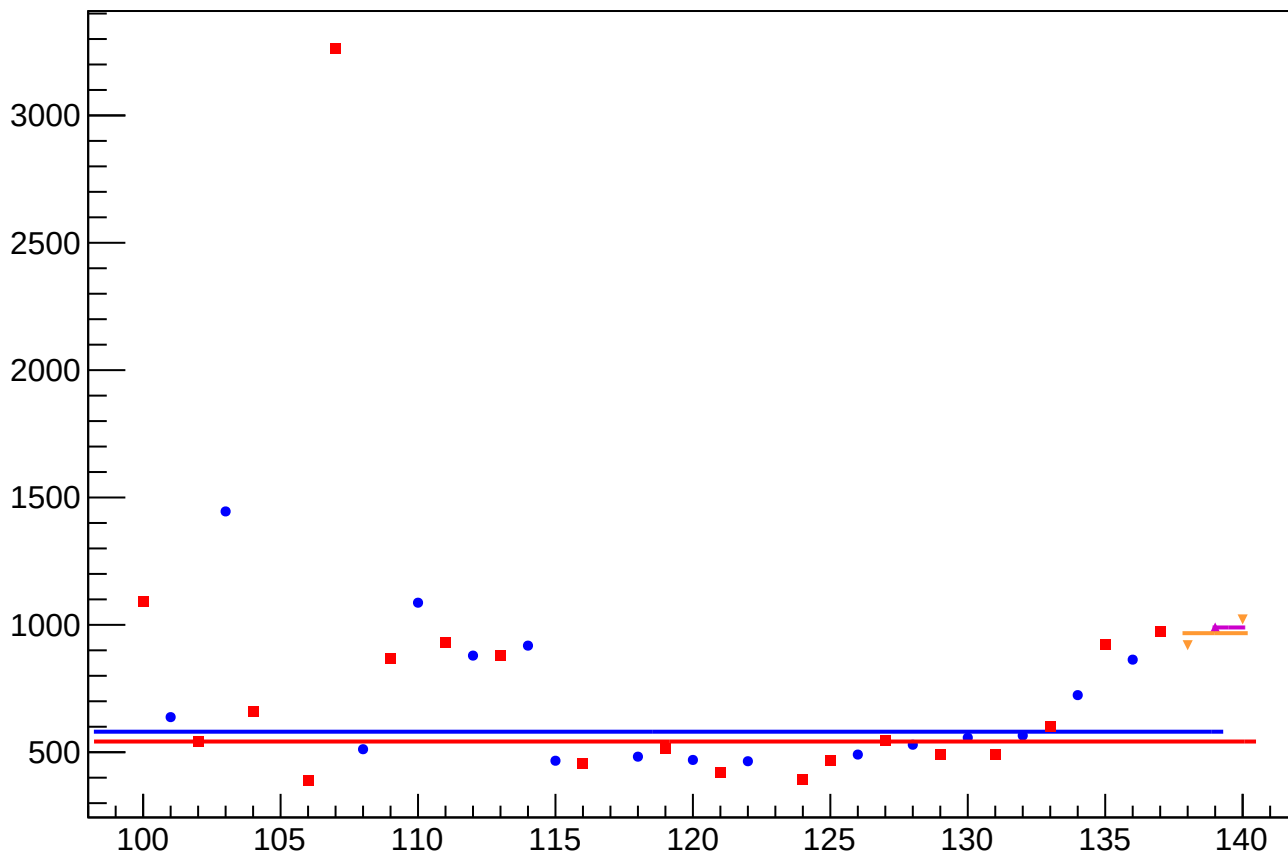
Left In: 268.081 ± 1092.212 χ^2/NDF : 0.0/0

+ sign -42.247 ± 220.604 χ^2/NDF : 19.0/17

All: 25.951 ± 154.859 χ^2/NDF : 38.5/37

- sign 92.206 ± 217.439 χ^2/NDF : 19.3/19

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF : 1002900.5/15

Left Out: 967.339+/-0.541 χ^2/NDF : 8712.0/1

Right Out: 541.939+/-0.157 χ^2/NDF : 1318850.5/18

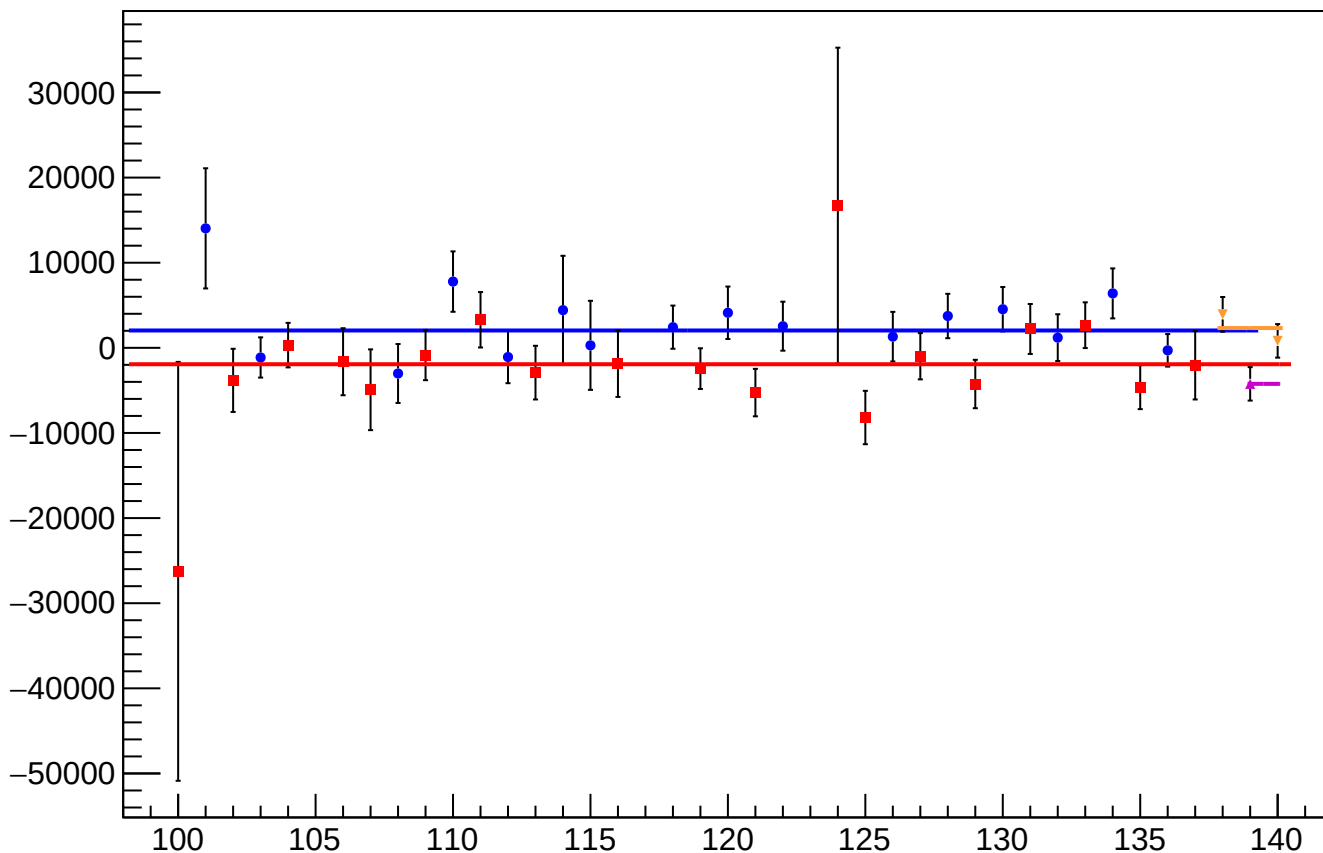
Left In: 989.759+/-0.772 χ^2/NDF : 0.0/0

+ sign 612.658+/-0.156 χ^2/NDF : 1480075.6/17

All: 585.790+/-0.110 χ^2/NDF : 3180309.5/37

- sign 559.687+/-0.154 χ^2/NDF : 1641745.5/19

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF : 16.4/15

Left Out: 2323.376+/-1416.790 χ^2/NDF : 1.2/1

Right Out: -1926.264+/-737.411 χ^2/NDF : 18.4/18

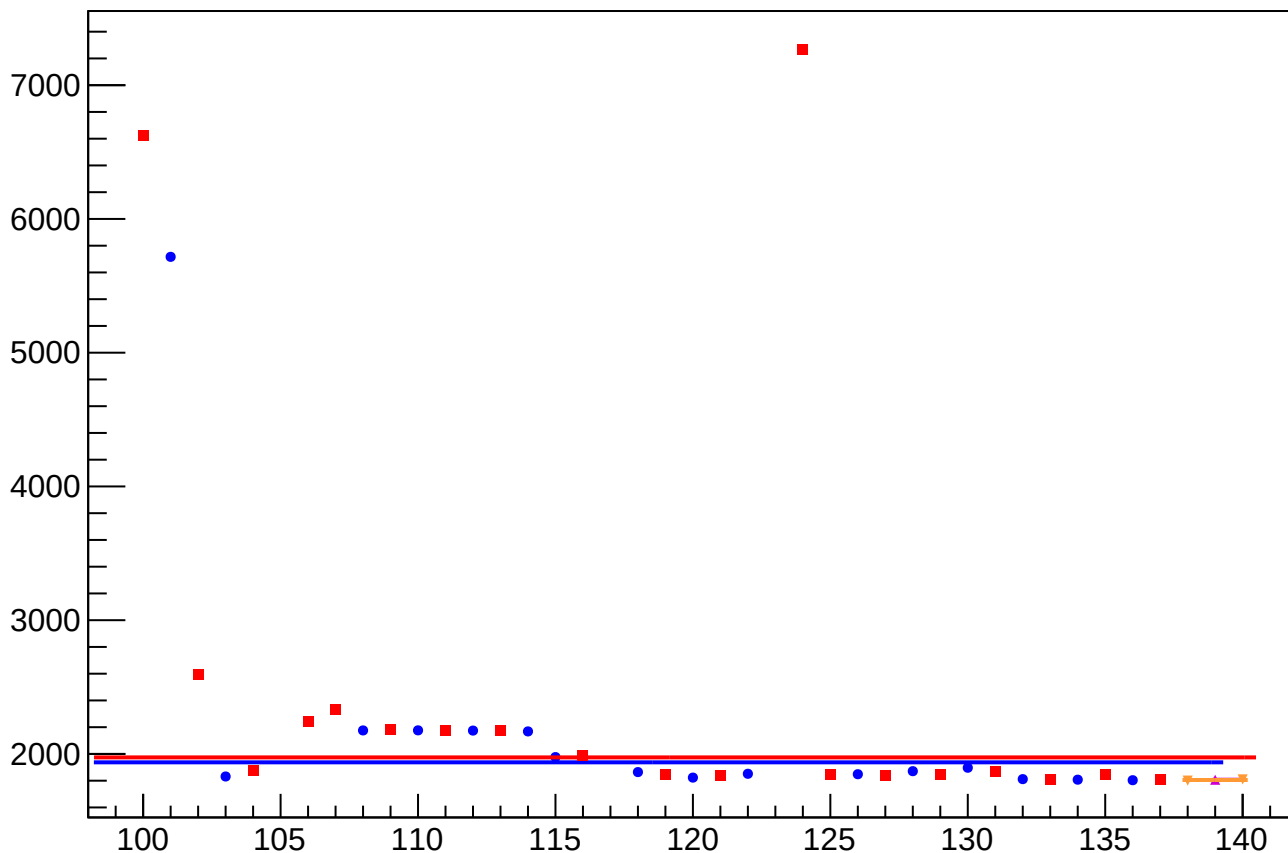
Left In: -4233.025+/-1964.371 χ^2/NDF : 0.0/0

+ sign 2099.337+/-653.277 χ^2/NDF : 17.7/17

All: 62.984+/-474.508 χ^2/NDF : 57.9/37

- sign -2211.181+/-690.370 χ^2/NDF : 19.6/19

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF : 20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

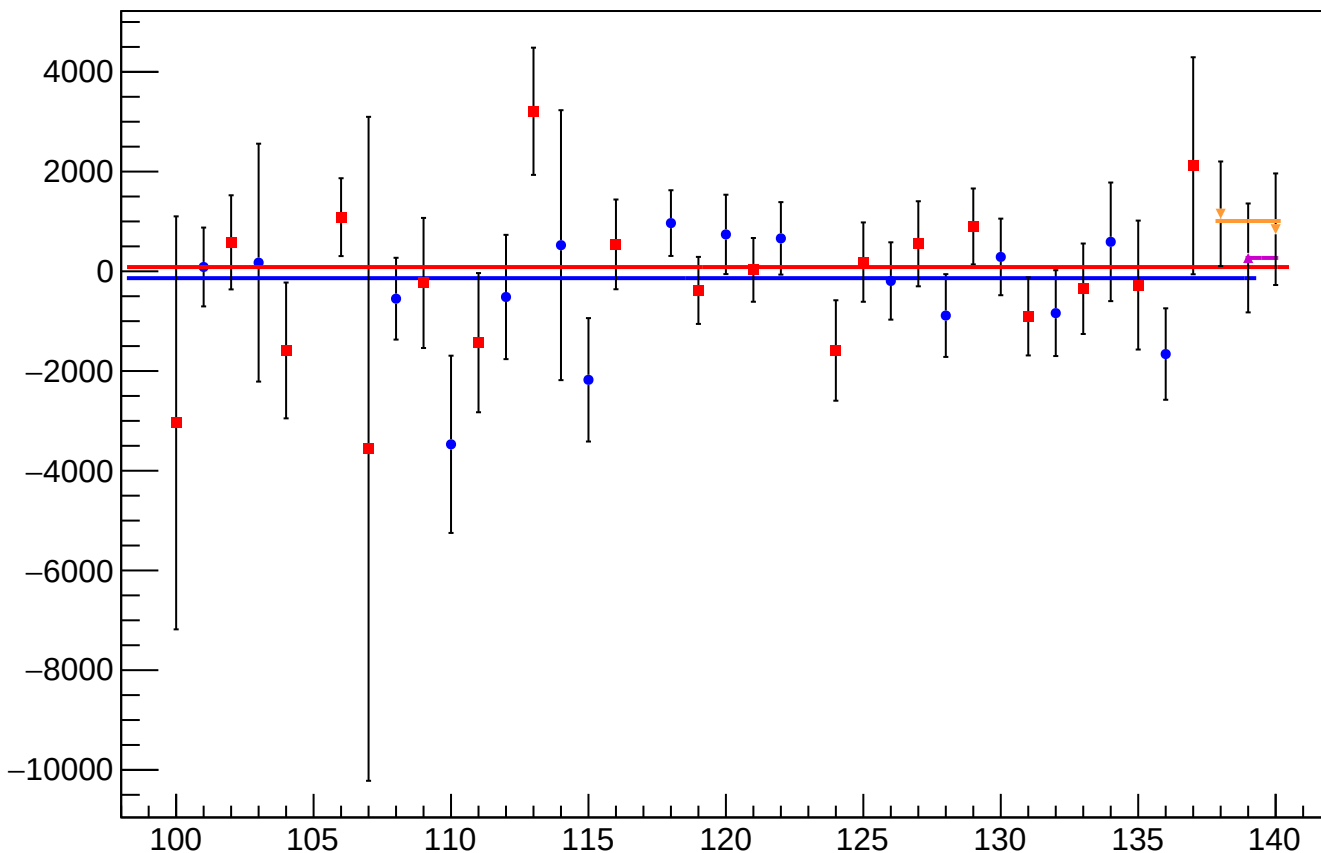
Left In: 1807.216+/-1.389 χ^2/NDF : 0.0/0

+ sign 1909.197+/-0.462 χ^2/NDF : 651772.1/17

All: 1930.143+/-0.336 χ^2/NDF : 1049215.4/37

- sign 1953.535+/-0.488 χ^2/NDF : 393091.0/19

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -137.491 ± 230.382 χ^2/NDF : 16.9/15

Left Out: 1008.849 ± 765.333 χ^2/NDF : 0.0/1

Right Out: 84.947 ± 221.881 χ^2/NDF : 19.3/18

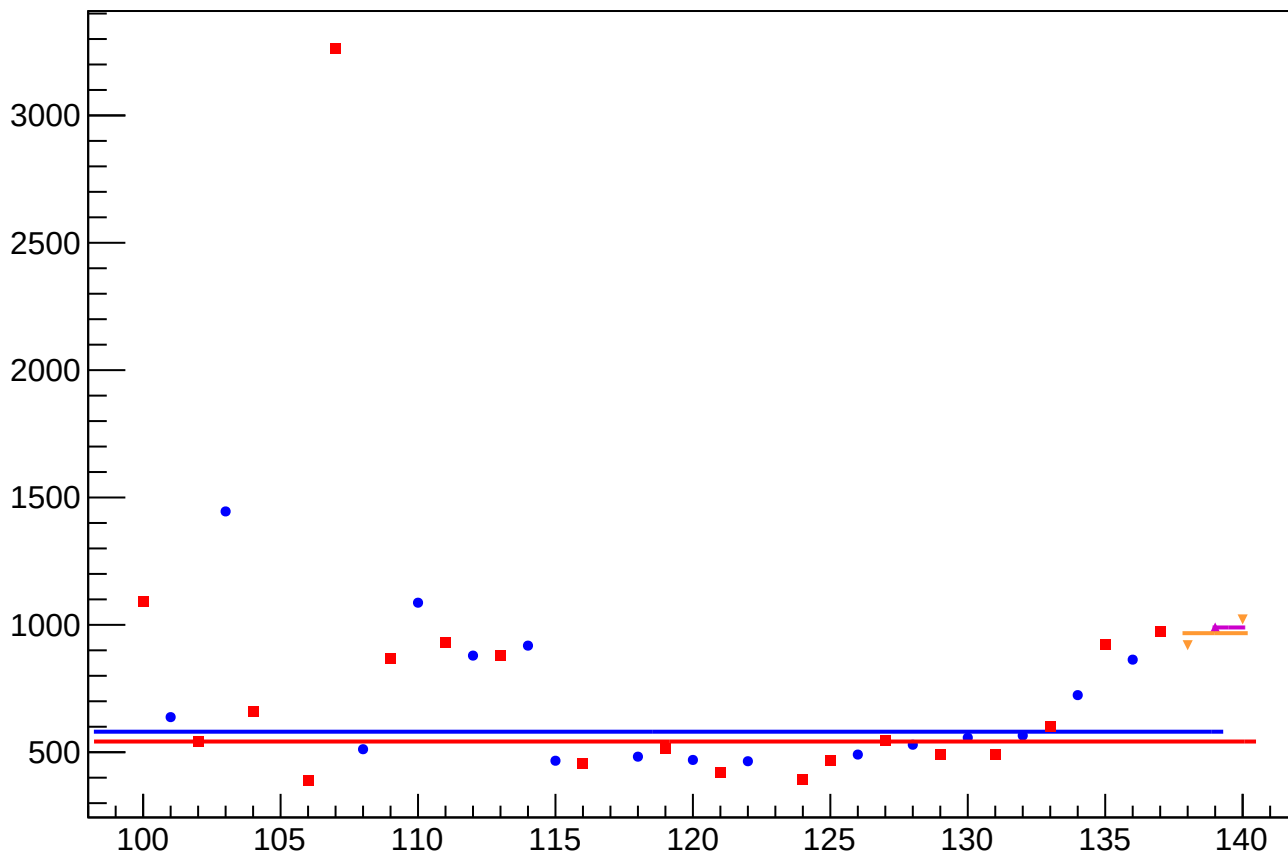
Left In: 268.081 ± 1092.212 χ^2/NDF : 0.0/0

+ sign -42.247 ± 220.604 χ^2/NDF : 19.0/17

All: 25.951 ± 154.859 χ^2/NDF : 38.5/37

- sign 92.206 ± 217.439 χ^2/NDF : 19.3/19

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF : 1002900.5/15

Left Out: 967.339+/-0.541 χ^2/NDF : 8712.0/1

Right Out: 541.939+/-0.157 χ^2/NDF : 1318850.5/18

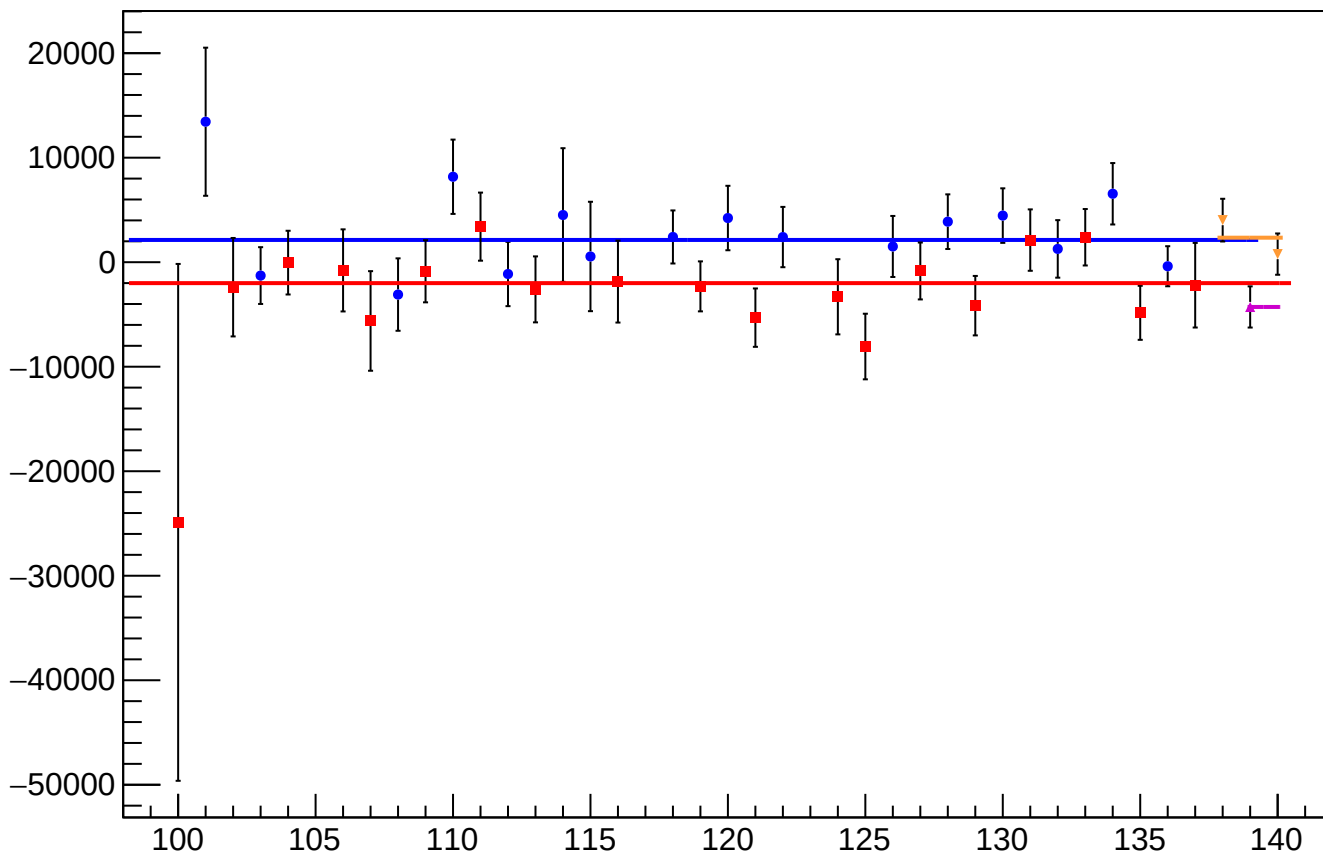
Left In: 989.759+/-0.772 χ^2/NDF : 0.0/0

+ sign 612.658+/-0.156 χ^2/NDF : 1480075.6/17

All: 585.790+/-0.110 χ^2/NDF : 3180309.5/37

- sign 559.687+/-0.154 χ^2/NDF : 1641745.5/19

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748 $\pm$ 746.242 χ^2 /NDF: 16.5/15

Left Out: 2345.078 $\pm$ 1419.931 χ^2 /NDF:1.3/1

Right Out: -2002.220 $\pm$ 737.195 χ^2 /NDF: 16.7/18

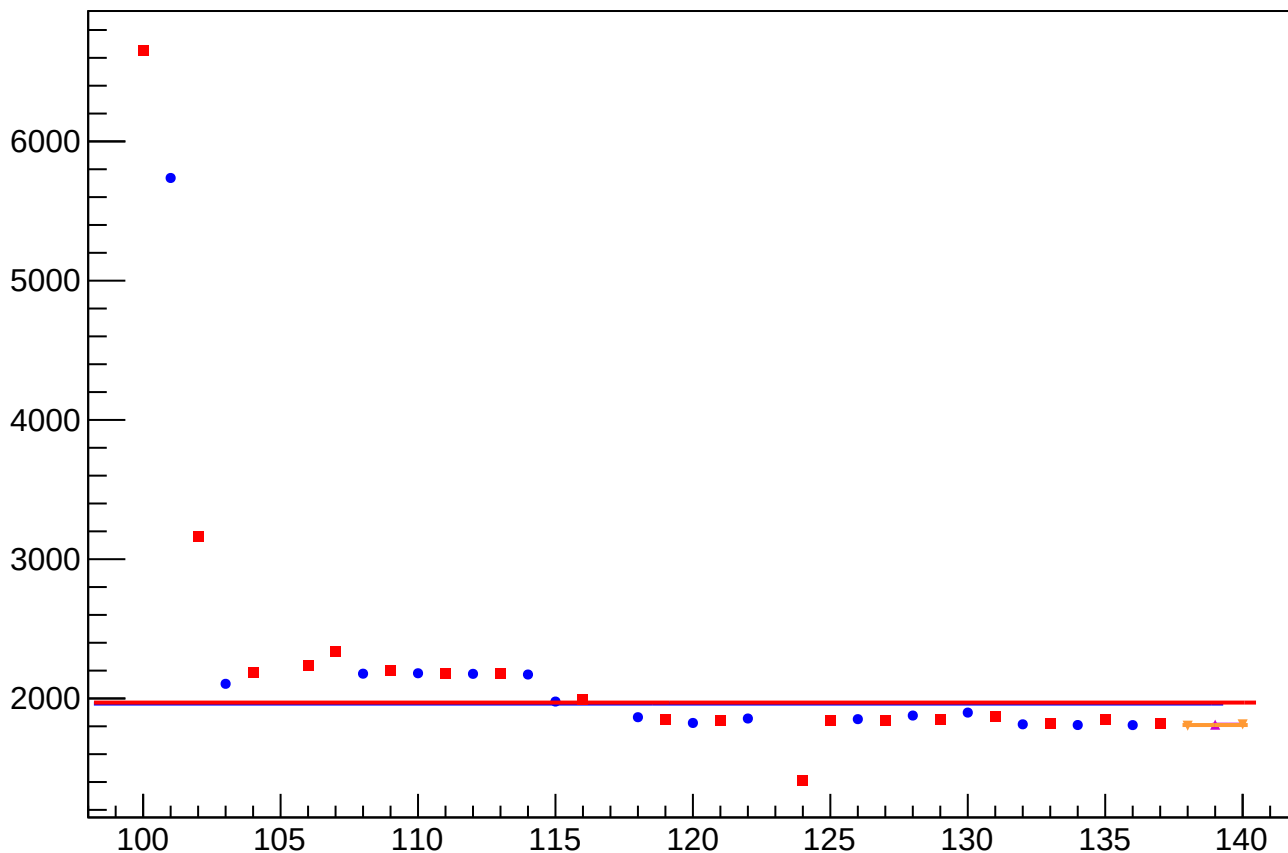
Left In: -4282.664 $\pm$ 1969.680 χ^2 /NDF:0.0/0

+ sign 2175.567 $\pm$ 660.572 χ^2 /NDF: 17.8/17

All: 45.028 $\pm$ 477.299 χ^2 /NDF: 57.5/37

- sign -2282.413 $\pm$ 690.422 χ^2 /NDF: 17.9/19

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF : 640254.1/15

Left Out: 1809.275+/-1.004 χ^2/NDF : 23.0/1

Right Out: 1970.459+/-0.521 χ^2/NDF : 345133.0/18

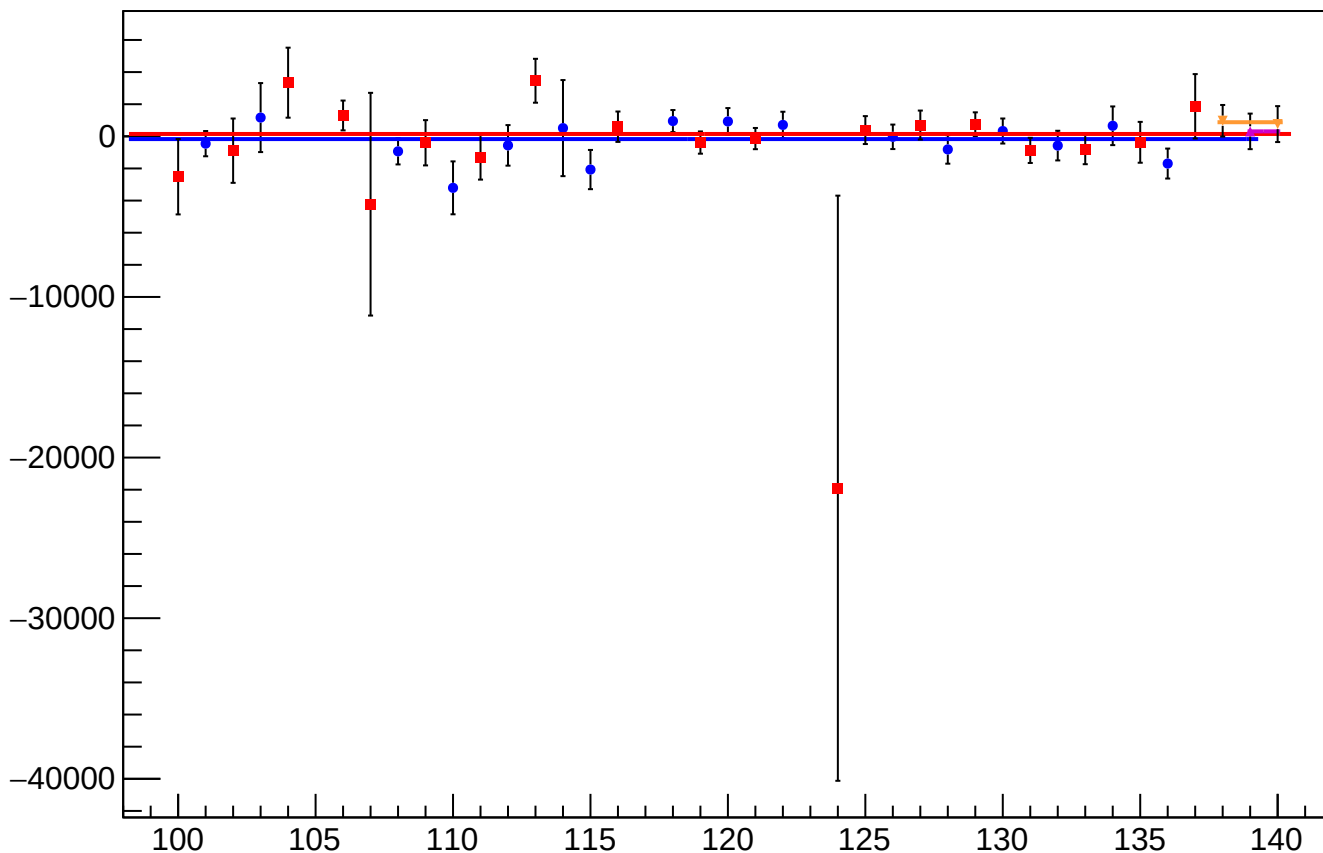
Left In: 1811.836+/-1.393 χ^2/NDF : 0.0/0

+ sign 1930.055+/-0.467 χ^2/NDF : 658744.5/17

All: 1940.051+/-0.338 χ^2/NDF : 1016212.8/37

- sign 1950.970+/-0.488 χ^2/NDF : 356510.2/19

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774 ± 236.912 χ^2/NDF : 17.2/15

Left Out: 879.055 ± 738.453 χ^2/NDF : 0.0/1

Right Out: 147.489 ± 242.848 χ^2/NDF : 20.1/18

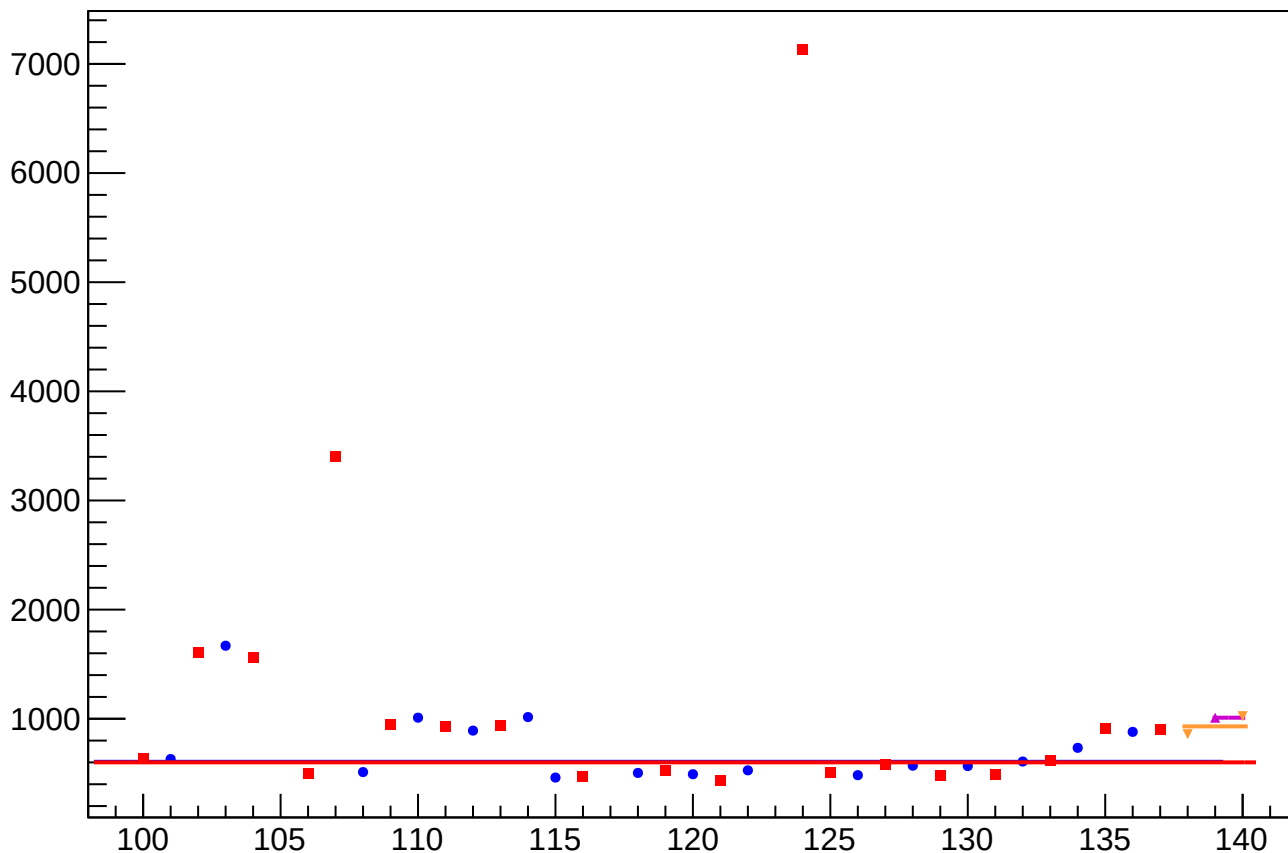
Left In: 308.467 ± 1106.987 χ^2/NDF : 0.0/0

+ sign -72.802 ± 225.587 χ^2/NDF : 19.1/17

All: 35.326 ± 163.468 χ^2/NDF : 39.7/37

- sign 154.881 ± 237.207 χ^2/NDF : 20.1/19

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF : 1162454.5/15

Left Out: 930.171+/-0.522 χ^2/NDF : 24466.5/1

Right Out: 600.447+/-0.172 χ^2/NDF : 2328523.8/18

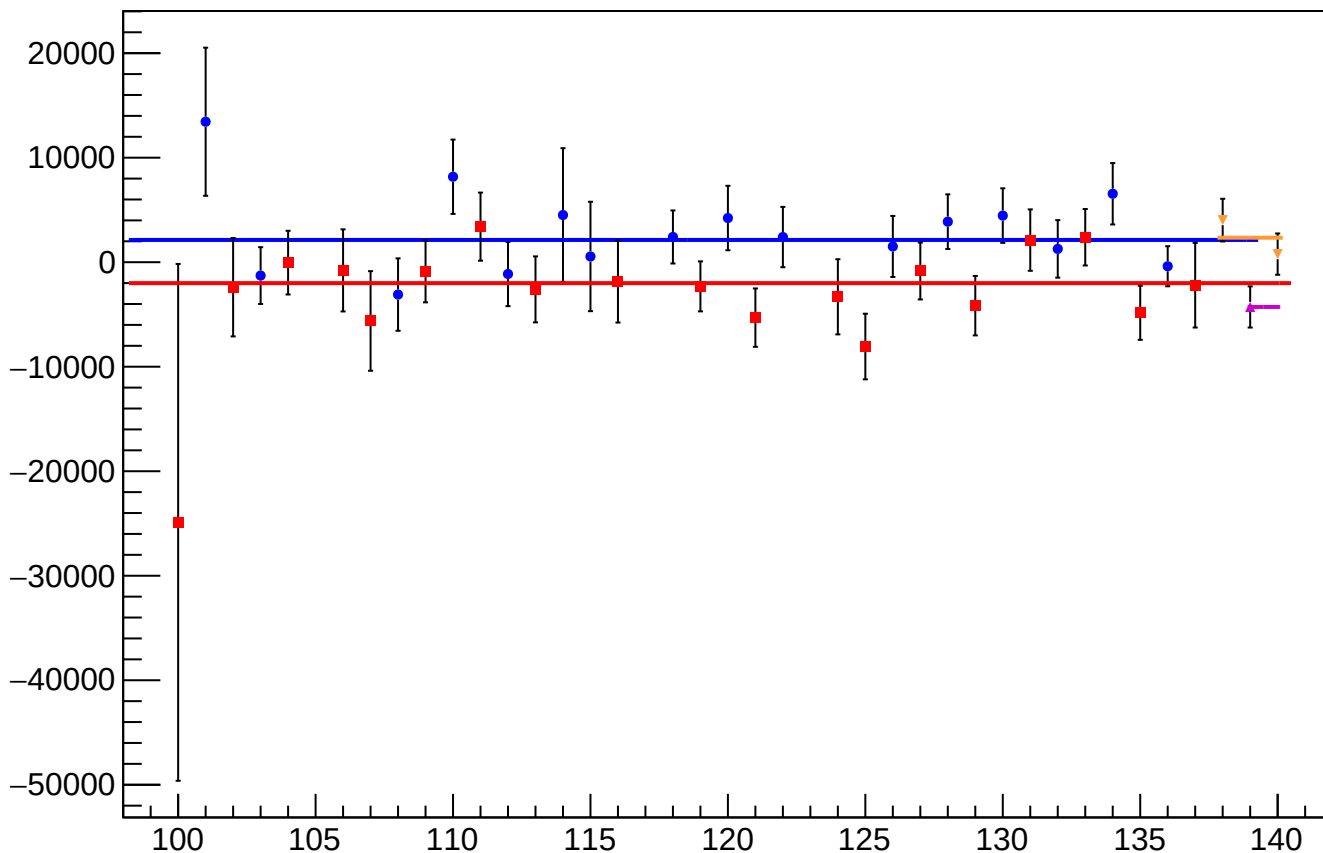
Left In: 1009.719+/-0.783 χ^2/NDF : 0.0/0

+ sign 635.735+/-0.160 χ^2/NDF : 1537602.9/17

All: 627.901+/-0.116 χ^2/NDF : 4132035.1/37

- sign 619.239+/-0.168 χ^2/NDF : 2589353.4/19

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746 $\pm$ 746.242 χ^2 /NDF: 16.5/15

Left Out: 2345.079 $\pm$ 1419.931 χ^2 /NDF: 1.3/1

Right Out: -2002.218 $\pm$ 737.195 χ^2 /NDF: 16.7/18

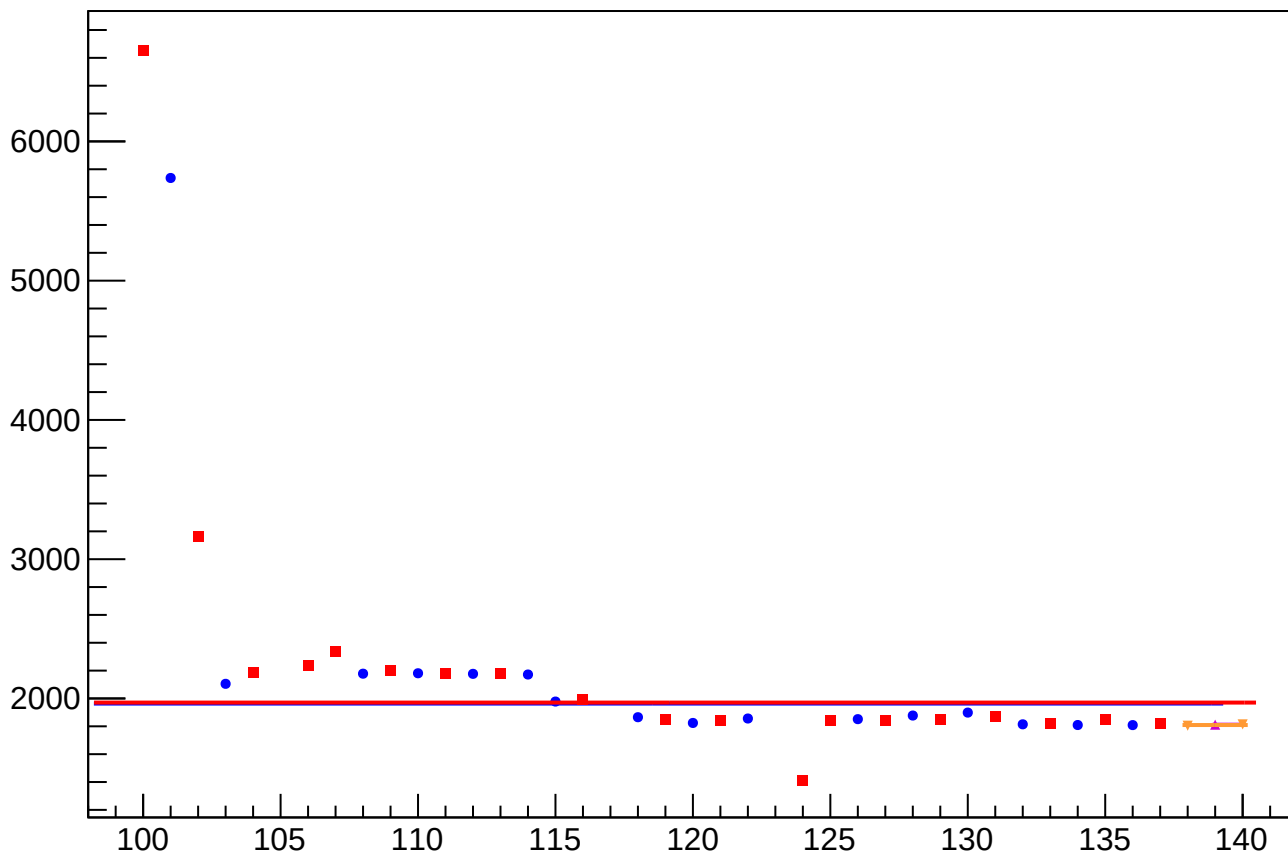
Left In: -4282.663 $\pm$ 1969.679 χ^2 /NDF: 0.0/0

+ sign 2175.566 $\pm$ 660.572 χ^2 /NDF: 17.8/17

All: 45.028 $\pm$ 477.299 χ^2 /NDF: 57.5/37

- sign -2282.411 $\pm$ 690.422 χ^2 /NDF: 17.9/19

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415 $\pm$ 0.528 χ^2 /NDF: 640253.8/15

Left Out: 1809.275 $\pm$ 1.004 χ^2 /NDF: 23.0/1

Right Out: 1970.459 $\pm$ 0.521 χ^2 /NDF: 345131.7/18

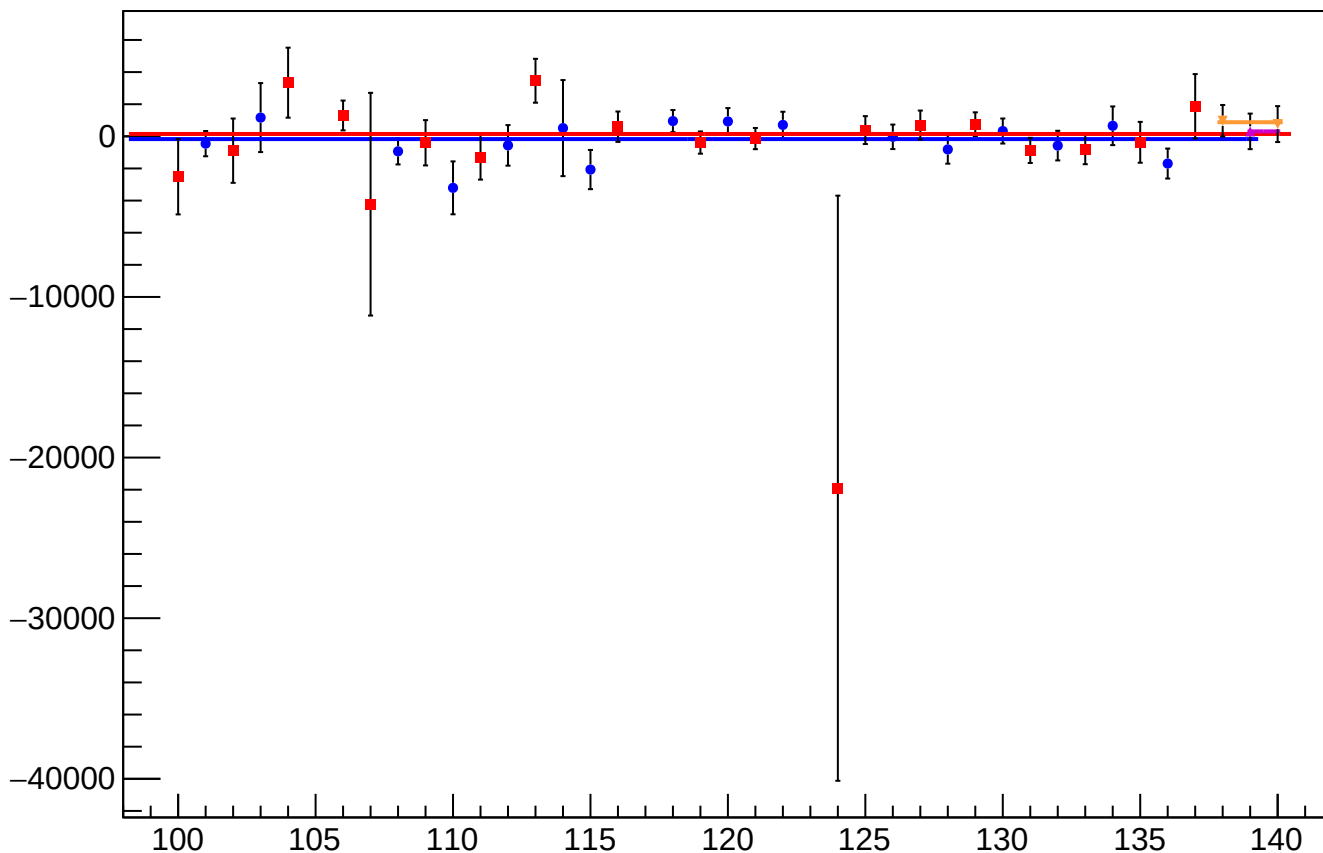
Left In: 1811.836 $\pm$ 1.393 χ^2 /NDF: 0.0/0

+ sign 1930.055 $\pm$ 0.467 χ^2 /NDF: 658744.2/17

All: 1940.050 $\pm$ 0.338 χ^2 /NDF: 1016211.2/37

- sign 1950.969 $\pm$ 0.488 χ^2 /NDF: 356508.9/19

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773 ± 236.912 χ^2/NDF : 17.2/15

Left Out: 879.057 ± 738.453 χ^2/NDF : 0.0/1

Right Out: 147.489 ± 242.847 χ^2/NDF : 20.1/18

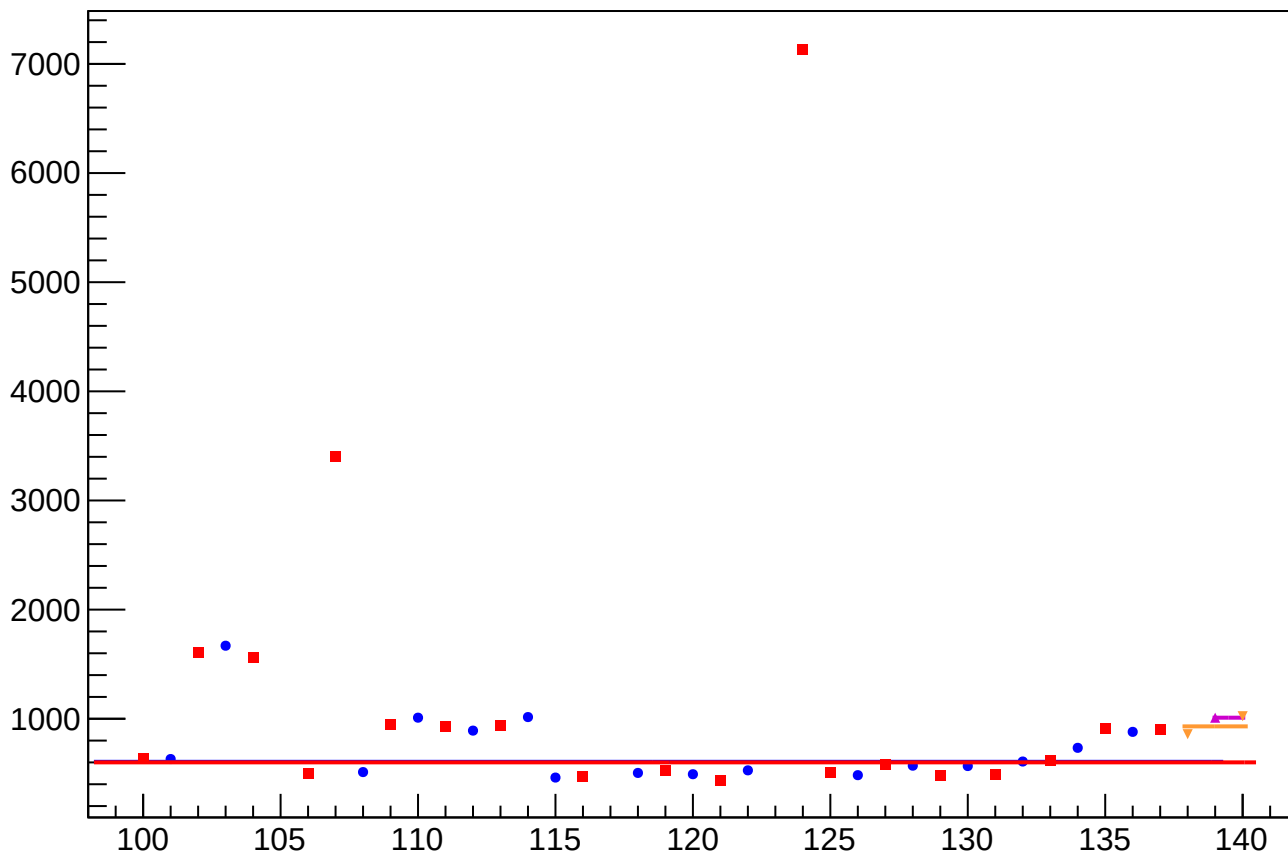
Left In: 308.469 ± 1106.987 χ^2/NDF : 0.0/0

+ sign -72.802 ± 225.587 χ^2/NDF : 19.1/17

All: 35.326 ± 163.467 χ^2/NDF : 39.7/37

- sign 154.880 ± 237.207 χ^2/NDF : 20.1/19

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF : 1162462.4/15

Left Out: 930.171+/-0.522 χ^2/NDF : 24466.9/1

Right Out: 600.446+/-0.172 χ^2/NDF : 2328531.9/18

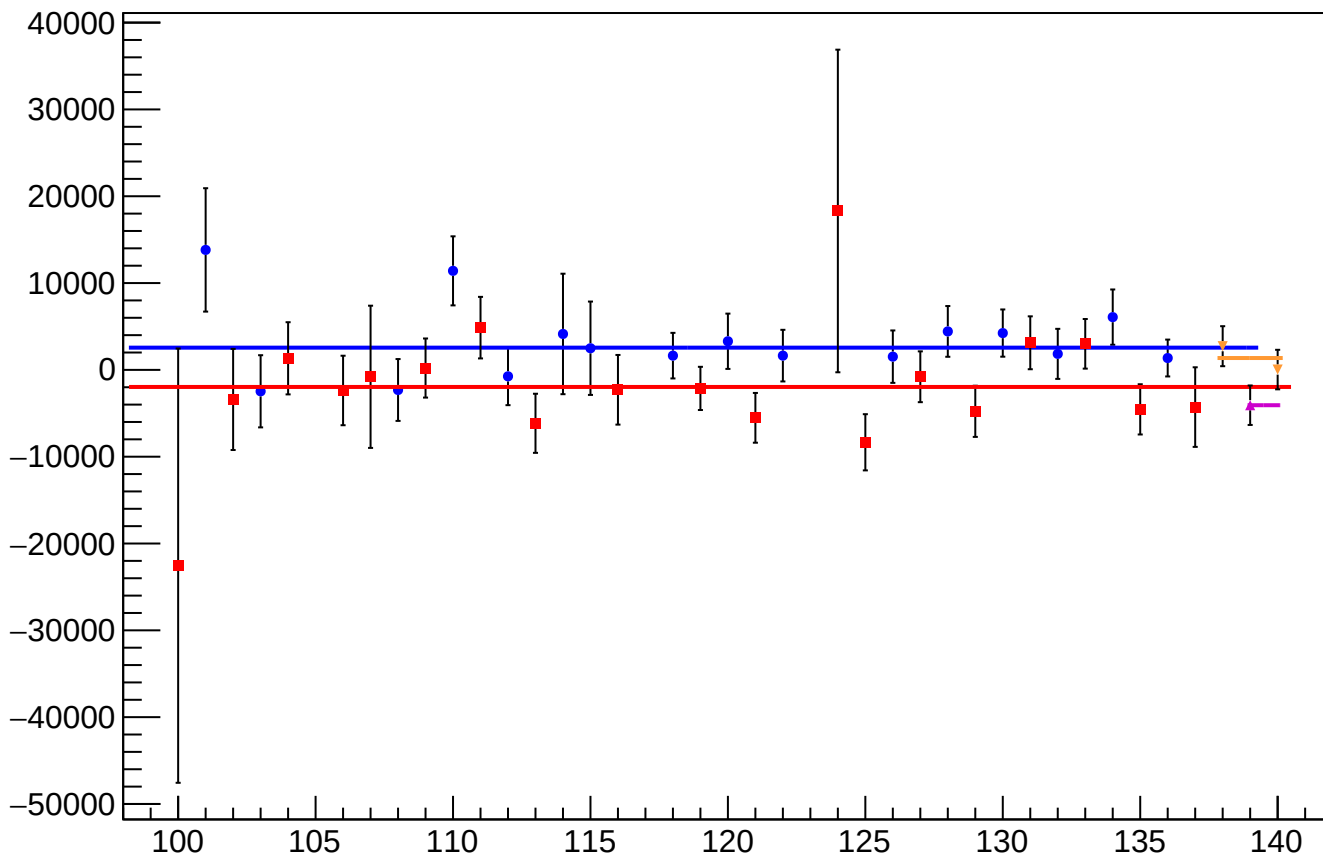
Left In: 1009.720+/-0.783 χ^2/NDF : 0.0/0

+ sign 635.734+/-0.160 χ^2/NDF : 1537614.0/17

All: 627.900+/-0.116 χ^2/NDF : 4132055.3/37

- sign 619.238+/-0.168 χ^2/NDF : 2589362.7/19

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF : 14.6/15

Left Out: 1366.074+/-1619.159 χ^2/NDF : 0.7/1

Right Out: -1966.731+/-818.839 χ^2/NDF : 21.6/18

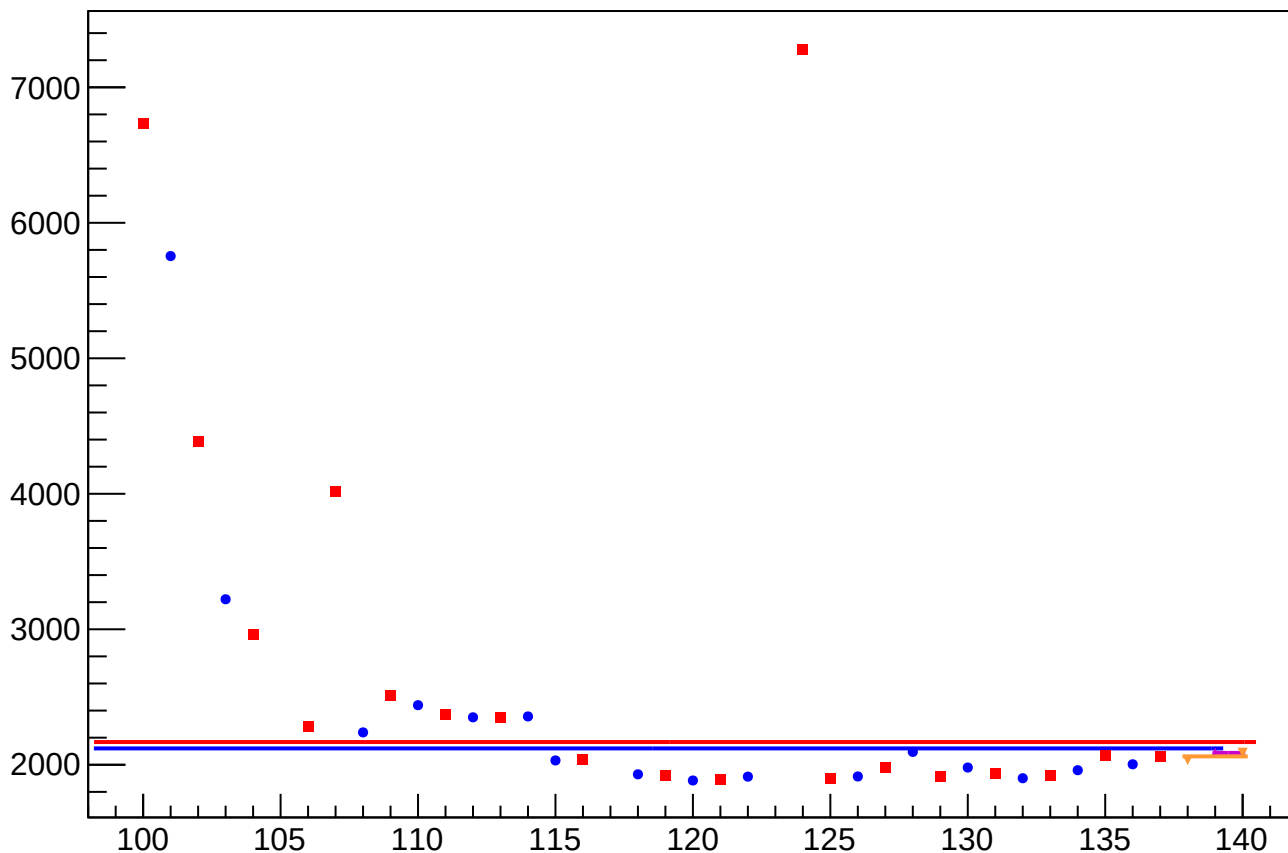
Left In: -4069.973+/-2273.600 χ^2/NDF : 0.0/0

+ sign 2321.954+/-724.166 χ^2/NDF : 15.7/17

All: 196.868+/-527.650 χ^2/NDF : 56.4/37

- sign -2208.217+/-770.398 χ^2/NDF : 22.3/19

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF : 759969.1/15

Left Out: 2061.876+/-1.145 χ^2/NDF : 565.3/1

Right Out: 2167.840+/-0.579 χ^2/NDF : 823925.5/18

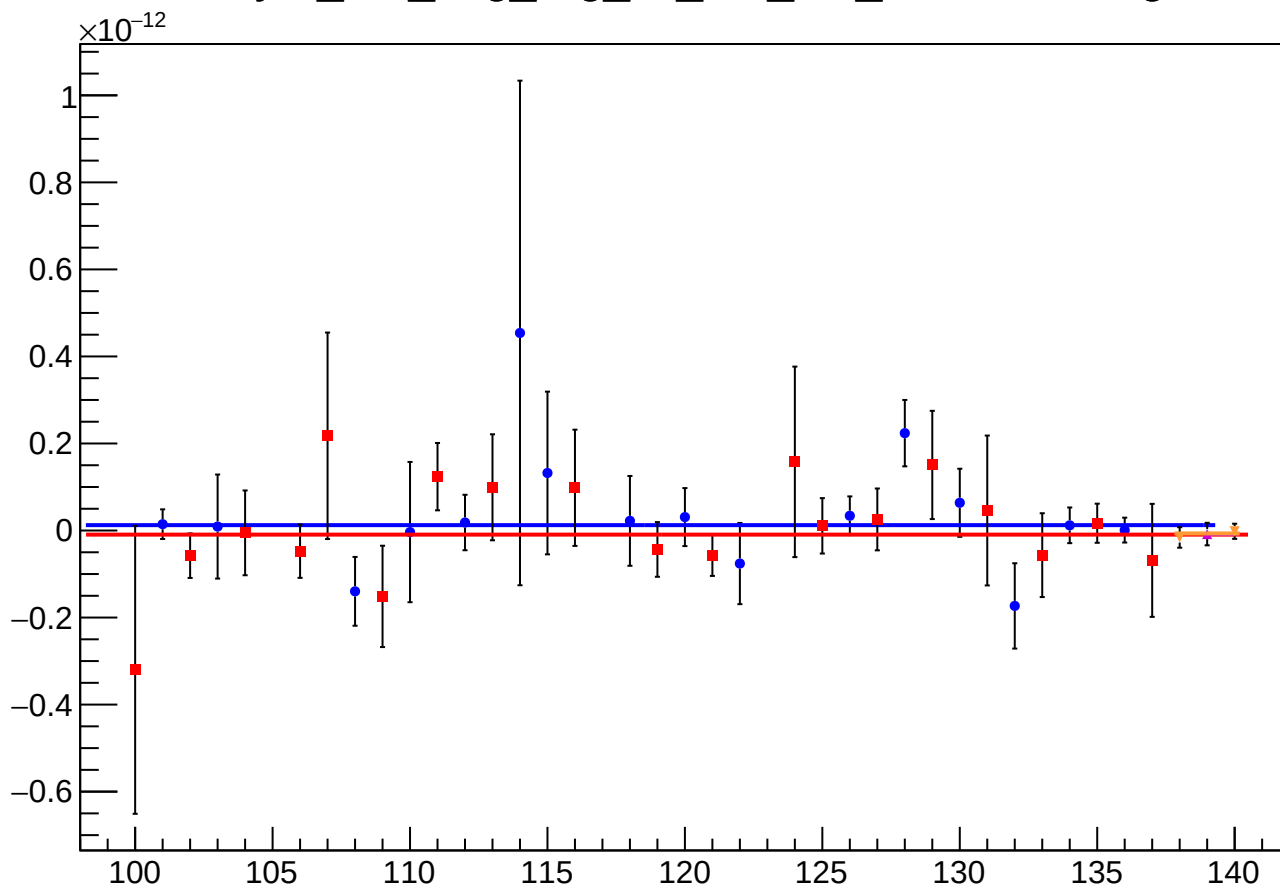
Left In: 2087.608+/-1.608 χ^2/NDF : 0.0/0

+ sign 2108.995+/-0.512 χ^2/NDF : 762651.7/17

All: 2132.278+/-0.373 χ^2/NDF : 1593188.8/37

- sign 2158.628+/-0.545 χ^2/NDF : 826130.1/19

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.2/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.8/18

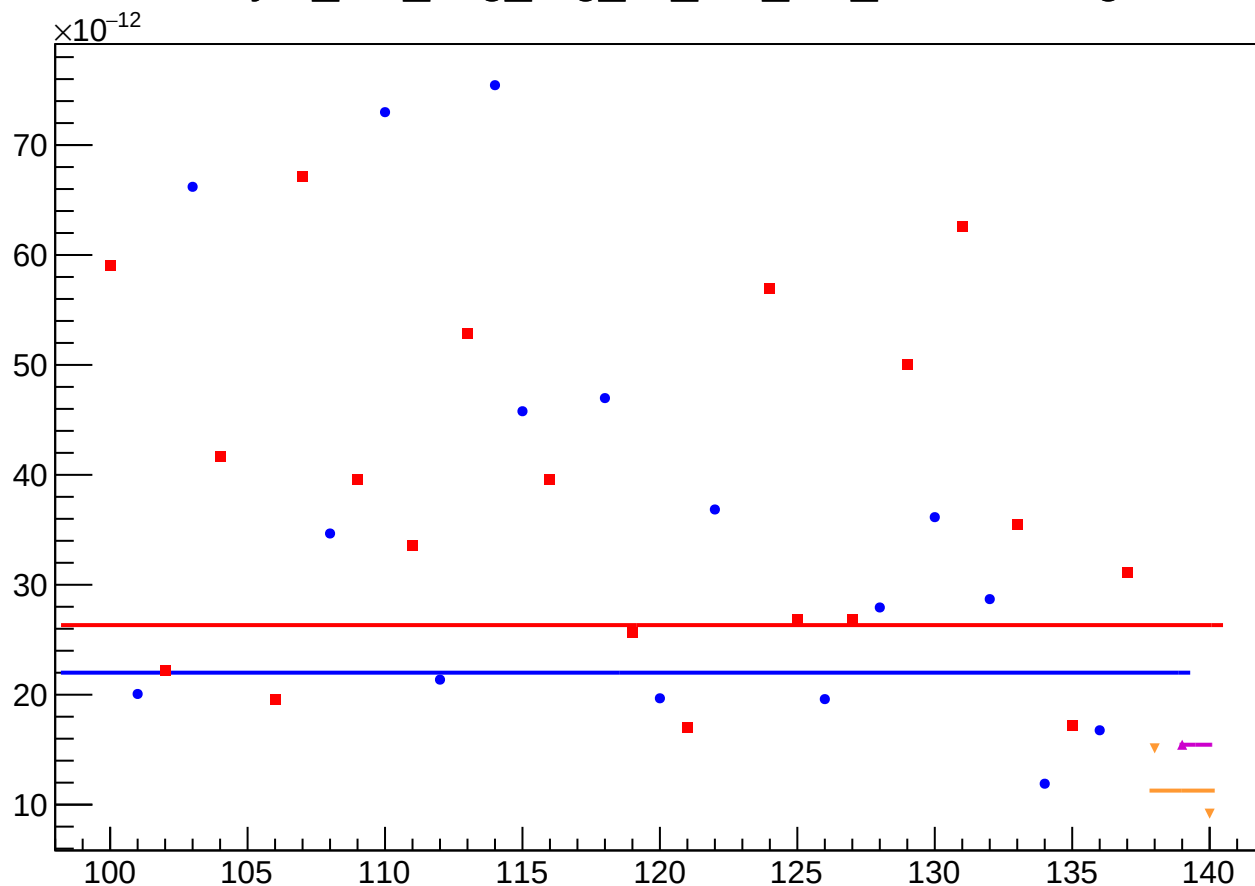
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 18.9/17

All: -0.000 ± 0.000 χ^2/NDF : 33.1/37

- sign -0.000 ± 0.000 χ^2/NDF : 13.8/19

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1032604.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 82222.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 705211.2/18

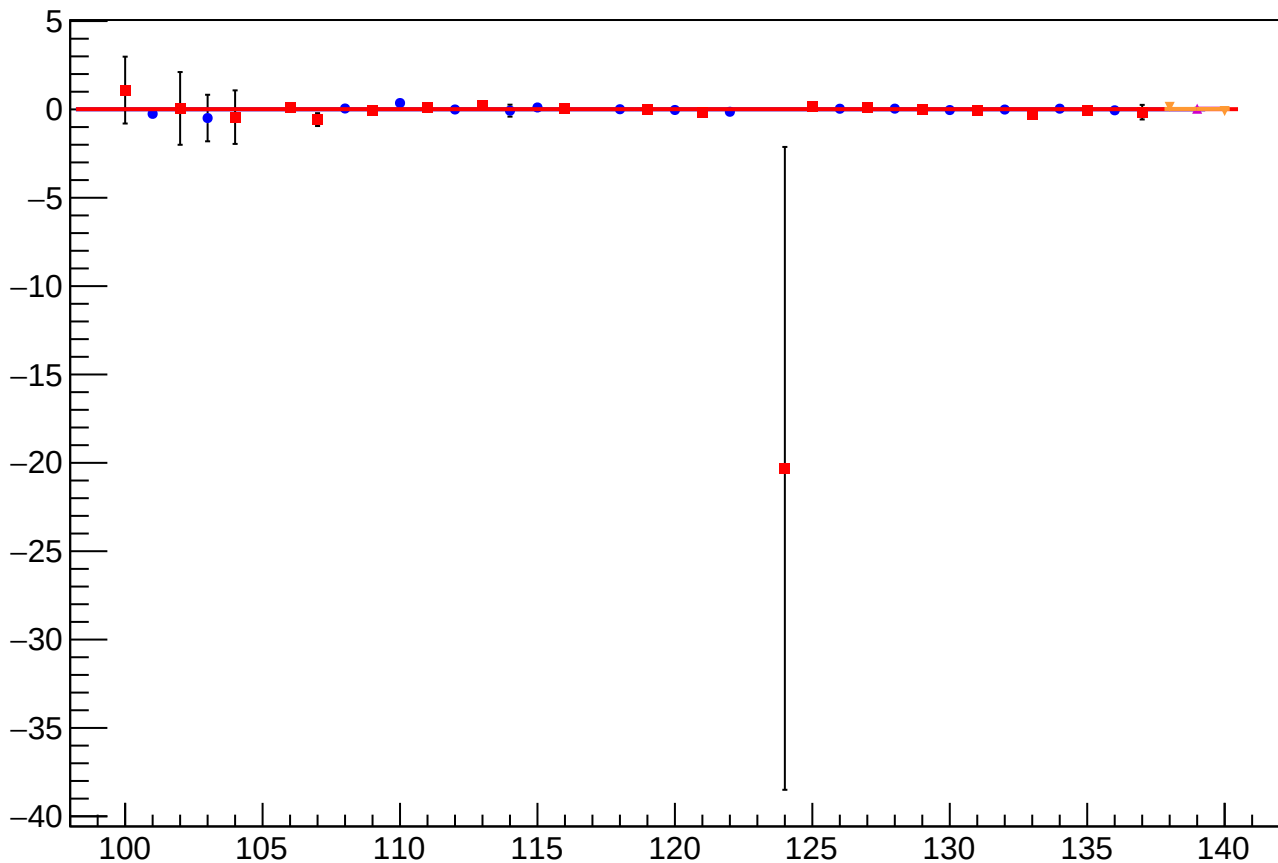
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1672055.2/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 2870276.4/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 943373.3/19

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2/NDF : 11.4/15

Left Out: 0.027 $\pm$ 0.067 χ^2/NDF : 3.1/1

Right Out: 0.013 $\pm$ 0.026 χ^2/NDF : 17.6/18

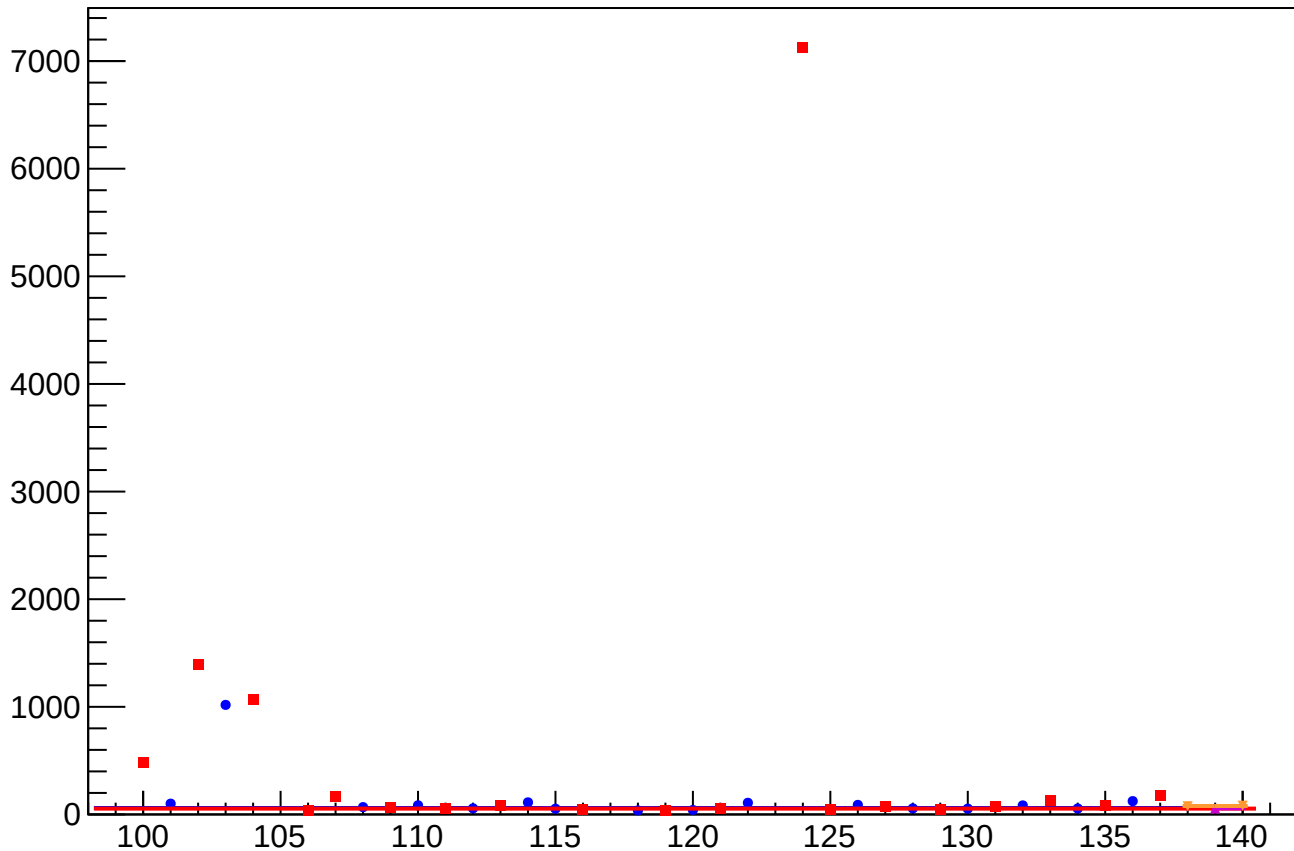
Left In: 0.040 $\pm$ 0.068 χ^2/NDF : 0.0/0

+ sign 0.007 $\pm$ 0.025 χ^2/NDF : 14.6/17

All: 0.012 $\pm$ 0.017 χ^2/NDF : 32.4/37

- sign 0.016 $\pm$ 0.024 χ^2/NDF : 17.7/19

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840 $\pm$ 0.019 χ^2 /NDF: 2538867.4/15

Left Out: 78.626 $\pm$ 0.047 χ^2 /NDF: 3374.7/1

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

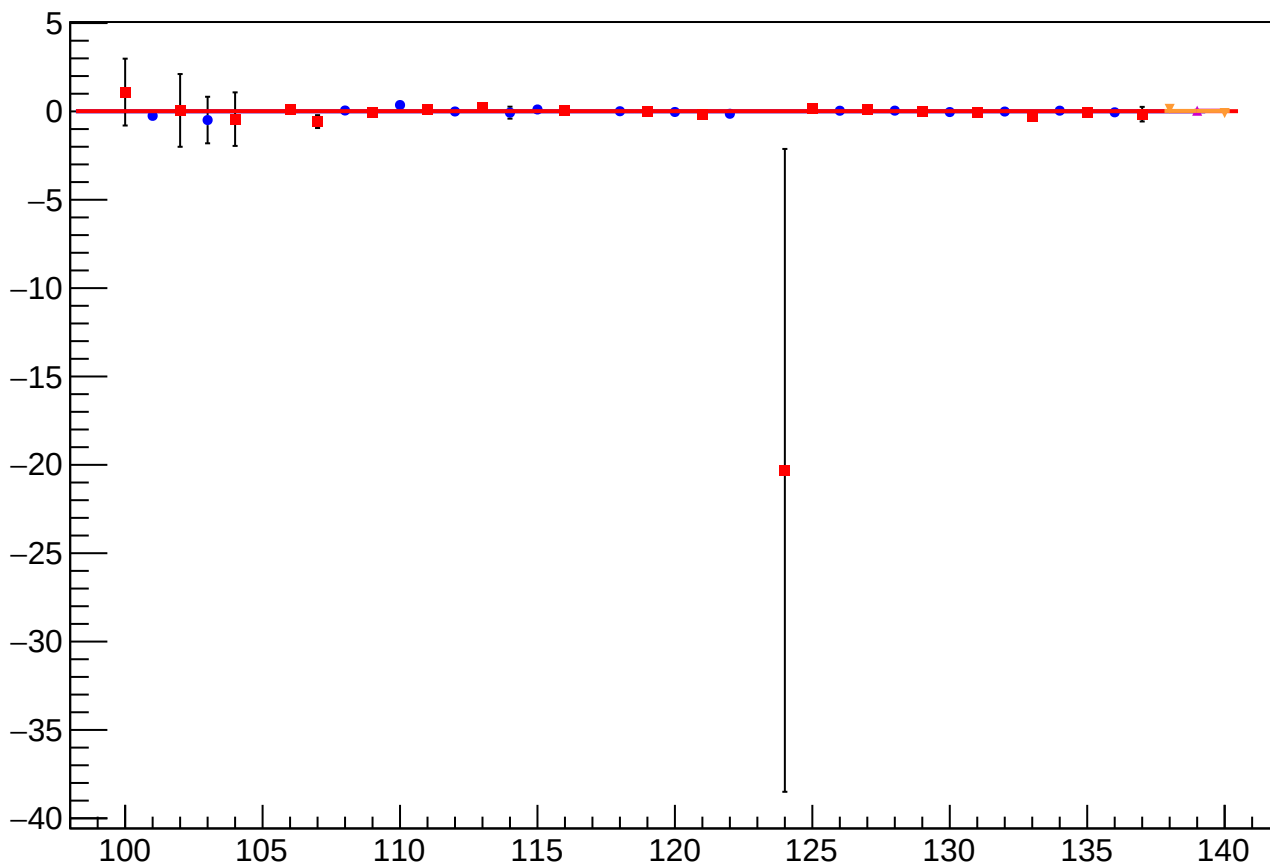
Left In: 56.332 $\pm$ 0.048 χ^2 /NDF: 0.0/0

+ sign 62.427 $\pm$ 0.018 χ^2 /NDF: 2678434.2/17

All: 58.359 $\pm$ 0.012 χ^2 /NDF: 6306290.0/37

- sign 54.511 $\pm$ 0.017 χ^2 /NDF: 3523221.5/19

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.027 $\pm$ 0.067 χ^2 /NDF: 3.1/1

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

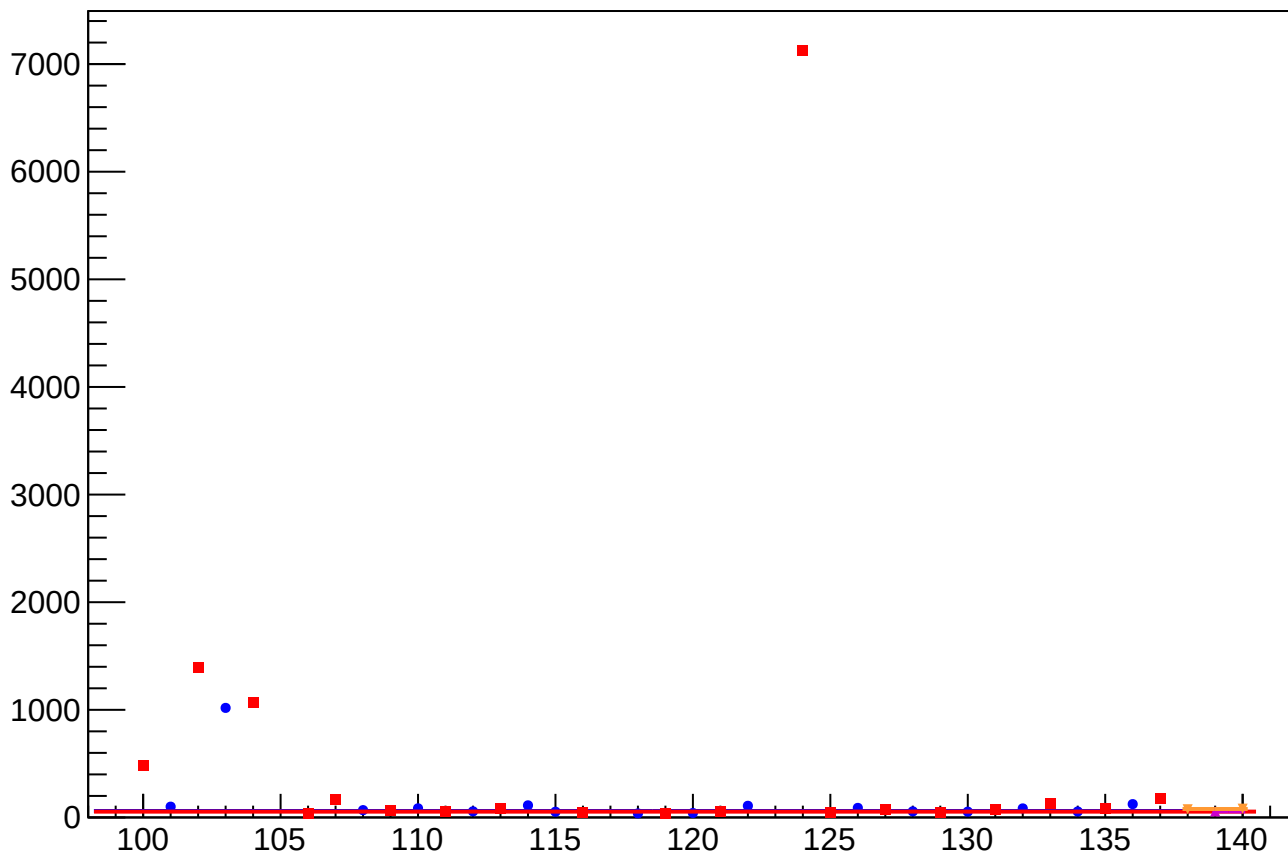
Left In: 0.040 $\pm$ 0.068 χ^2 /NDF: 0.0/0

+ sign 0.007 $\pm$ 0.025 χ^2 /NDF: 14.6/17

All: 0.012 $\pm$ 0.017 χ^2 /NDF: 32.4/37

- sign 0.016 $\pm$ 0.024 χ^2 /NDF: 17.7/19

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840 $\pm$ 0.019 χ^2 /NDF: 2538867.4/15

Left Out: 78.626 $\pm$ 0.047 χ^2 /NDF: 3374.7/1

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

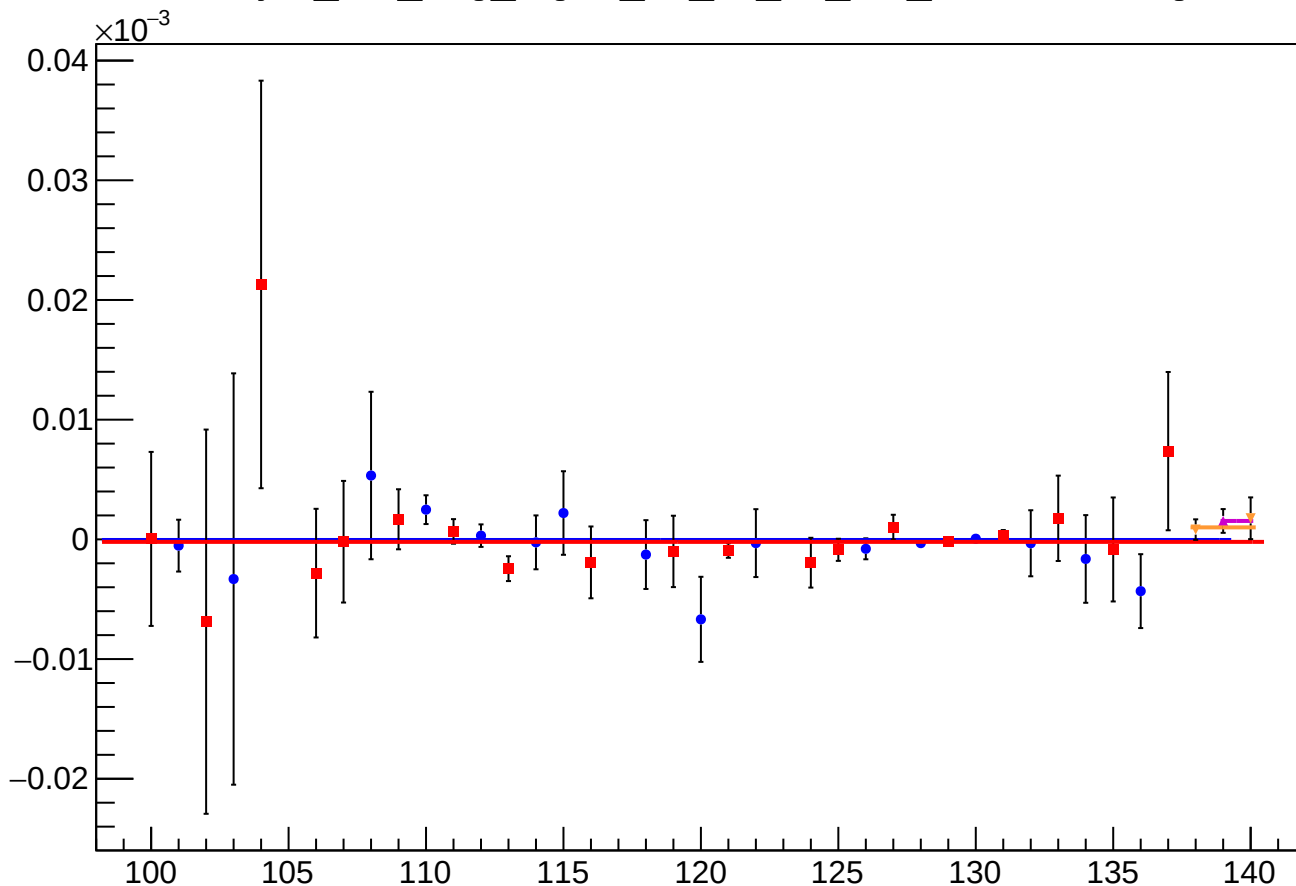
Left In: 56.332 $\pm$ 0.048 χ^2 /NDF: 0.0/0

+ sign 62.427 $\pm$ 0.018 χ^2 /NDF: 2678434.2/17

All: 58.359 $\pm$ 0.012 χ^2 /NDF: 6306290.0/37

- sign 54.511 $\pm$ 0.017 χ^2 /NDF: 3523221.5/19

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.2/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

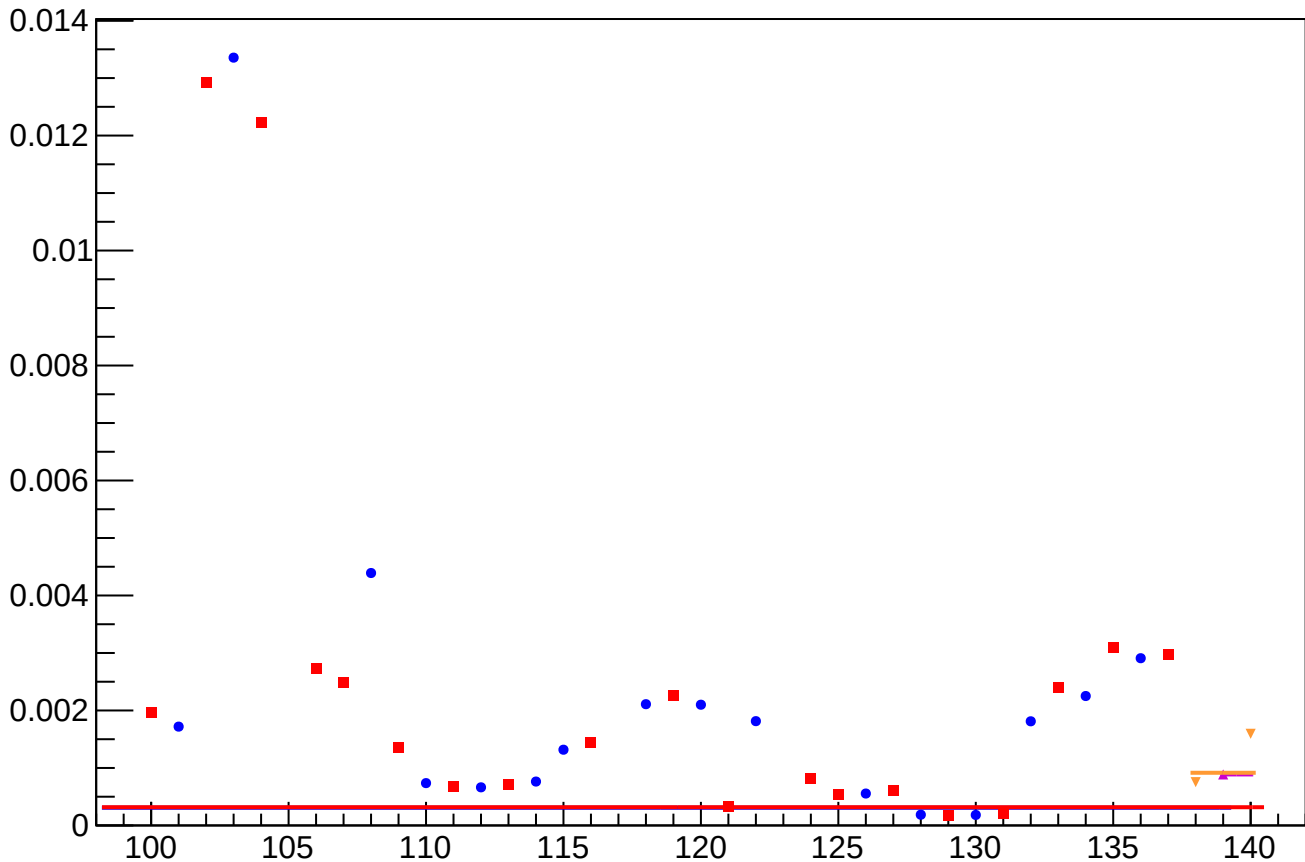
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/19

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 : 375267.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 8015537.3/18

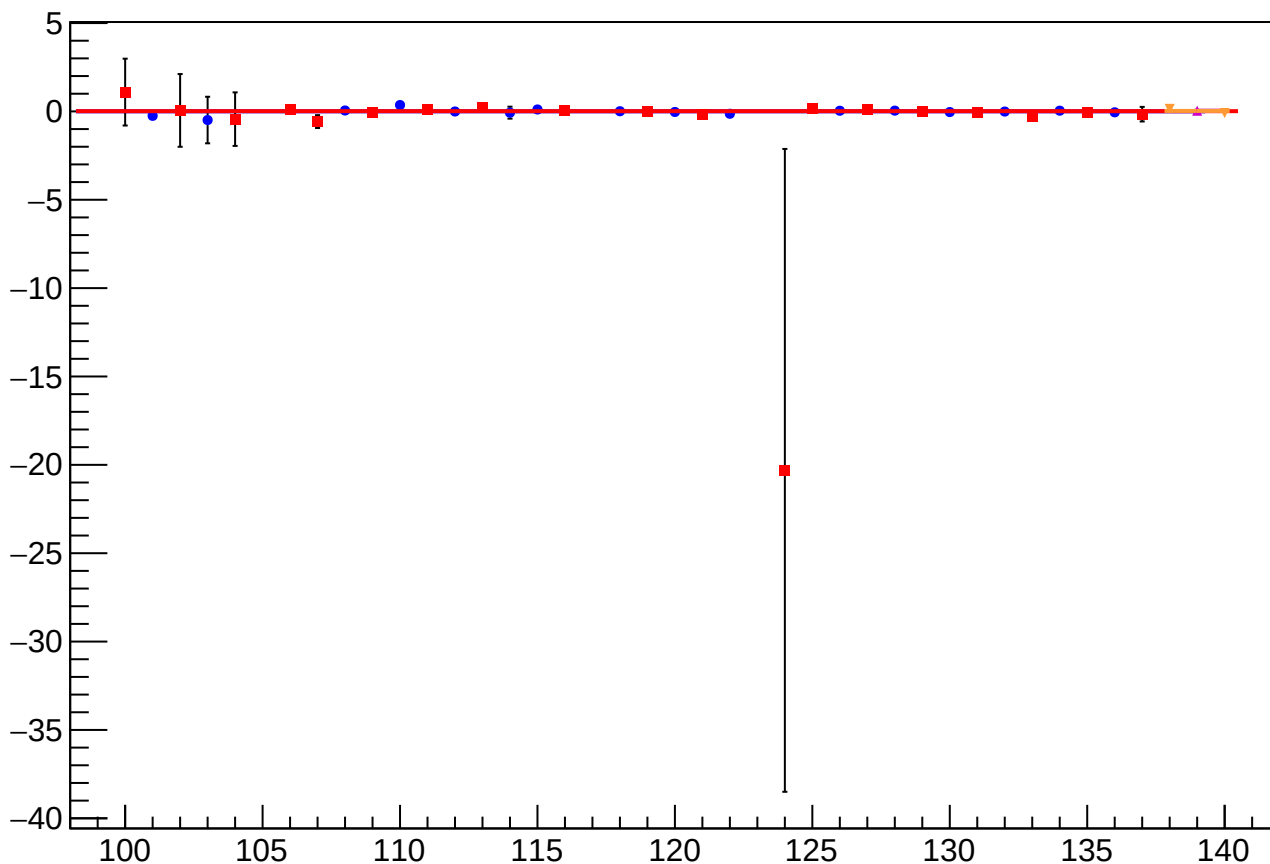
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 10309377.1/17

All: 0.000+/-0.000 χ^2/NDF : 18961714.8/37

- sign 0.000+/-0.000 χ^2/NDF : 8651097.0/19

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2/NDF : 11.4/15

Left Out: 0.027 $\pm$ 0.067 χ^2/NDF : 3.1/1

Right Out: 0.013 $\pm$ 0.026 χ^2/NDF : 17.6/18

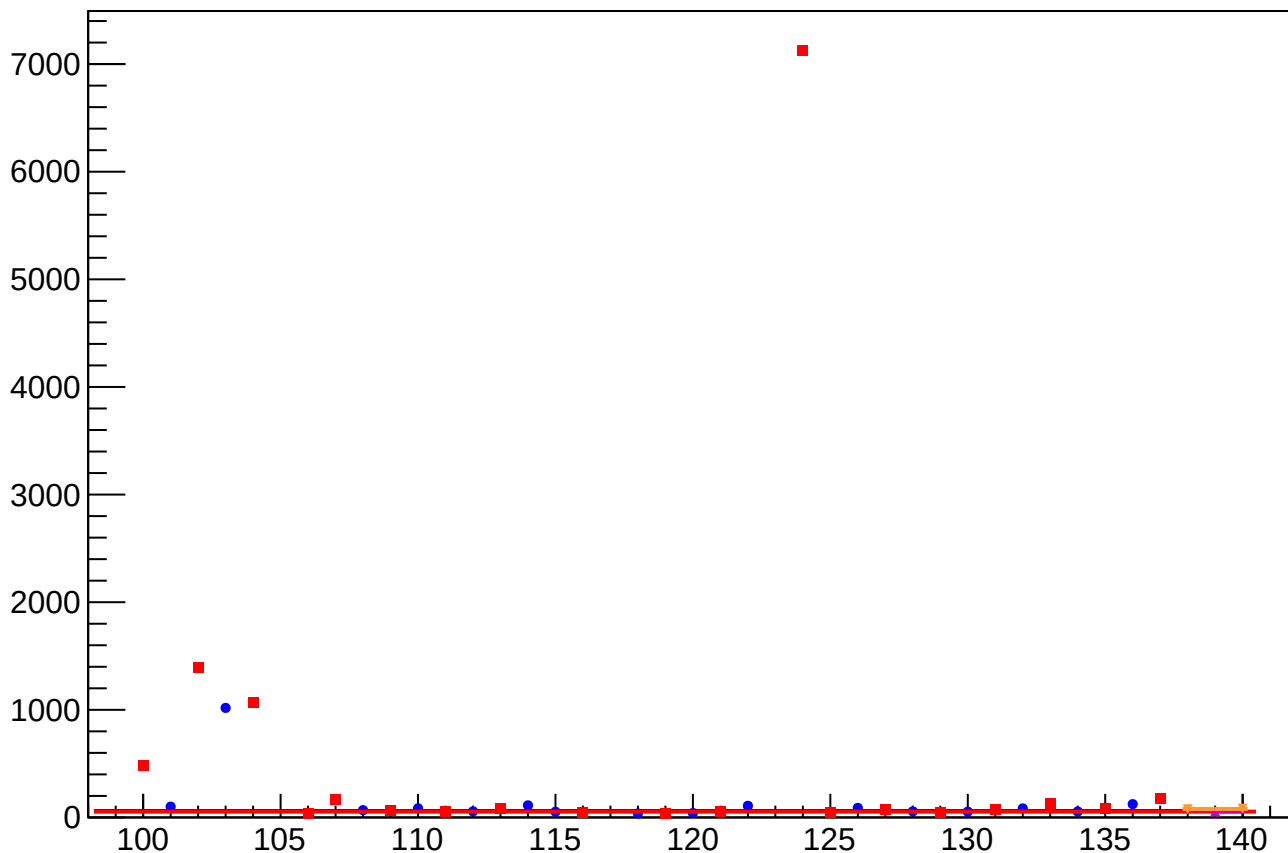
Left In: 0.040 $\pm$ 0.068 χ^2/NDF : 0.0/0

+ sign 0.007 $\pm$ 0.025 χ^2/NDF : 14.6/17

All: 0.012 $\pm$ 0.017 χ^2/NDF : 32.4/37

- sign 0.016 $\pm$ 0.024 χ^2/NDF : 17.7/19

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: 78.626+/-0.047 χ^2/NDF : 3373.9/1

Right Out: 54.248+/-0.018 χ^2/NDF : 3521640.4/18

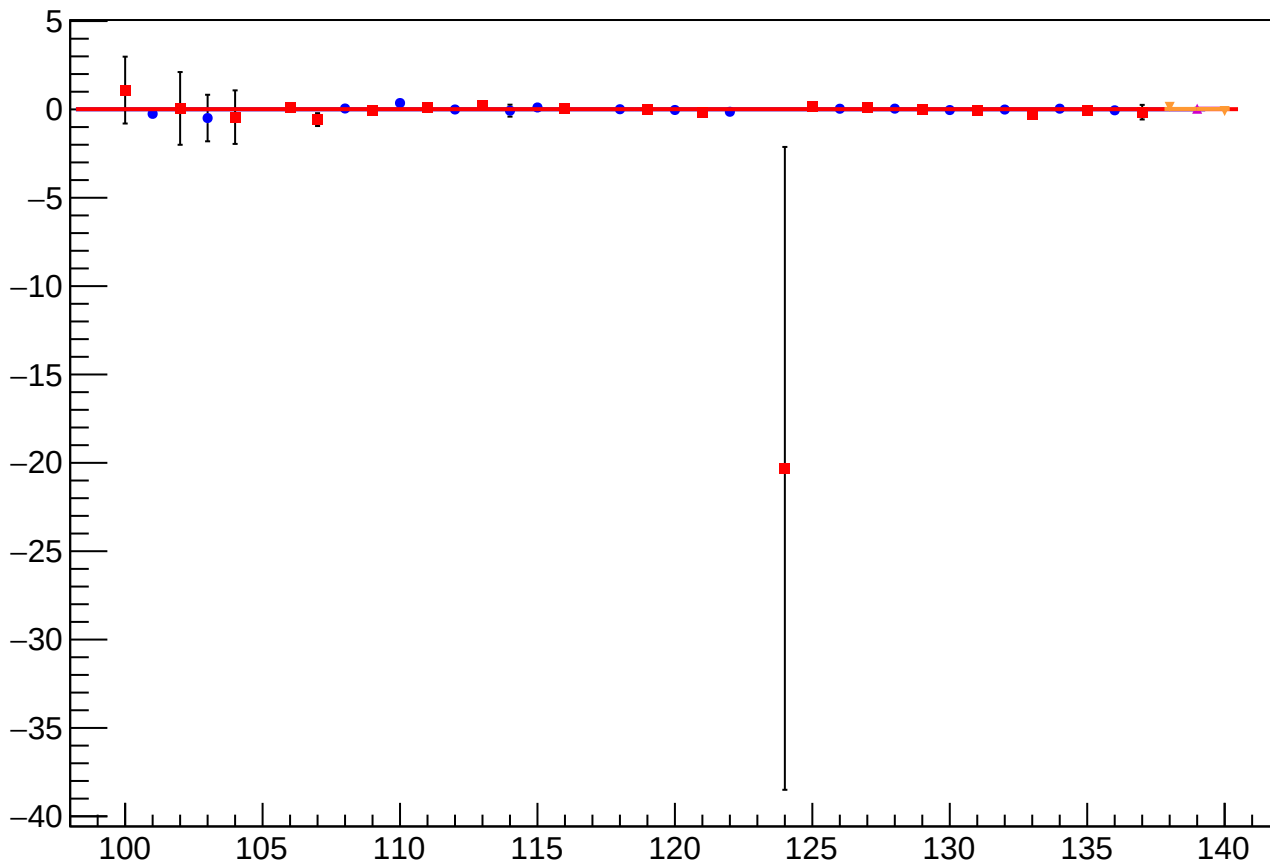
Left In: 56.332+/-0.048 χ^2/NDF : 0.0/0

+ sign 62.427+/-0.018 χ^2/NDF : 2678448.7/17

All: 58.359+/-0.012 χ^2/NDF : 6306386.8/37

- sign 54.510+/-0.017 χ^2/NDF : 3523282.9/19

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.027 $\pm$ 0.067 χ^2 /NDF: 3.1/1

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

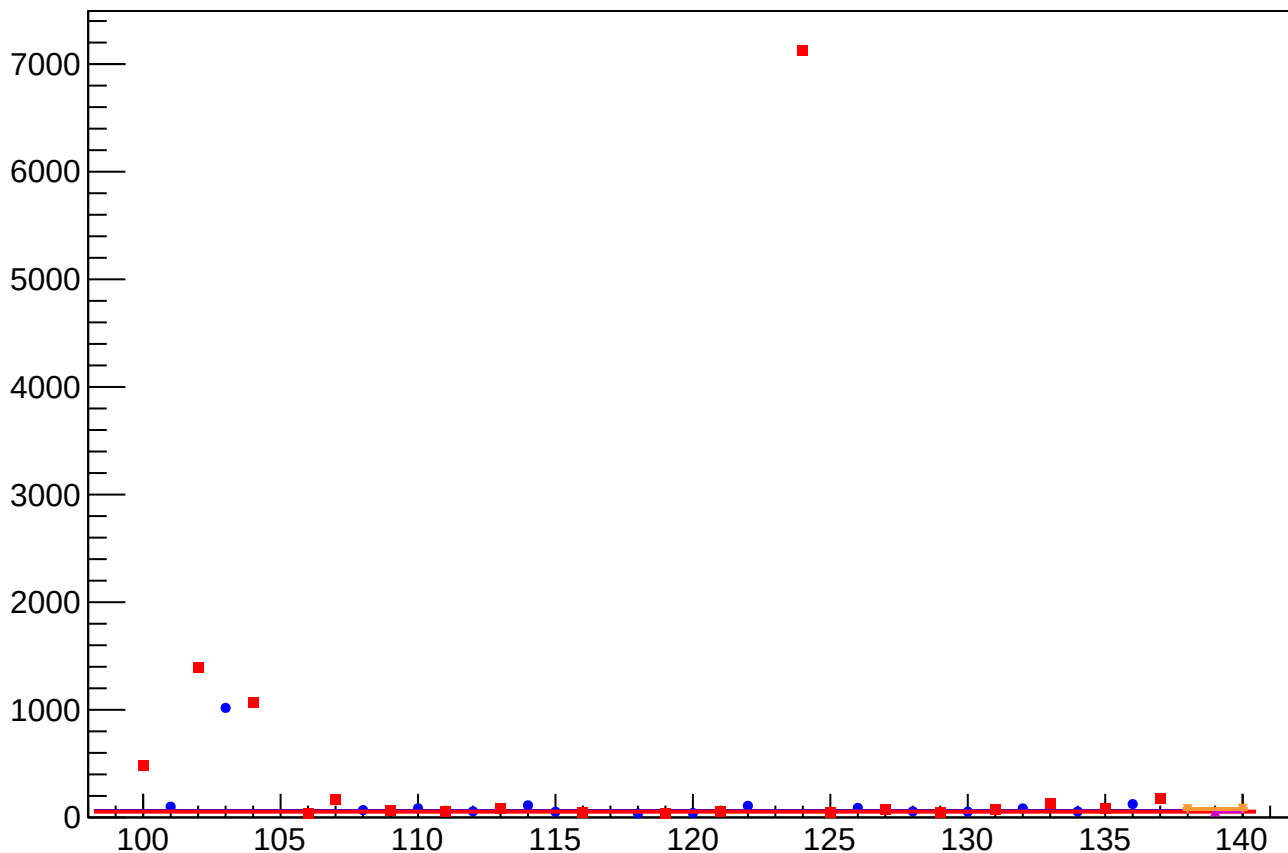
Left In: 0.040 $\pm$ 0.068 χ^2 /NDF: 0.0/0

+ sign 0.007 $\pm$ 0.025 χ^2 /NDF: 14.6/17

All: 0.012 $\pm$ 0.017 χ^2 /NDF: 32.4/37

- sign 0.016 $\pm$ 0.024 χ^2 /NDF: 17.7/19

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839 $\pm$ 0.019 χ^2 /NDF: 2538881.2/15

Left Out: 78.626 $\pm$ 0.047 χ^2 /NDF: 3373.9/1

Right Out: 54.248 $\pm$ 0.018 χ^2 /NDF: 3521640.4/18

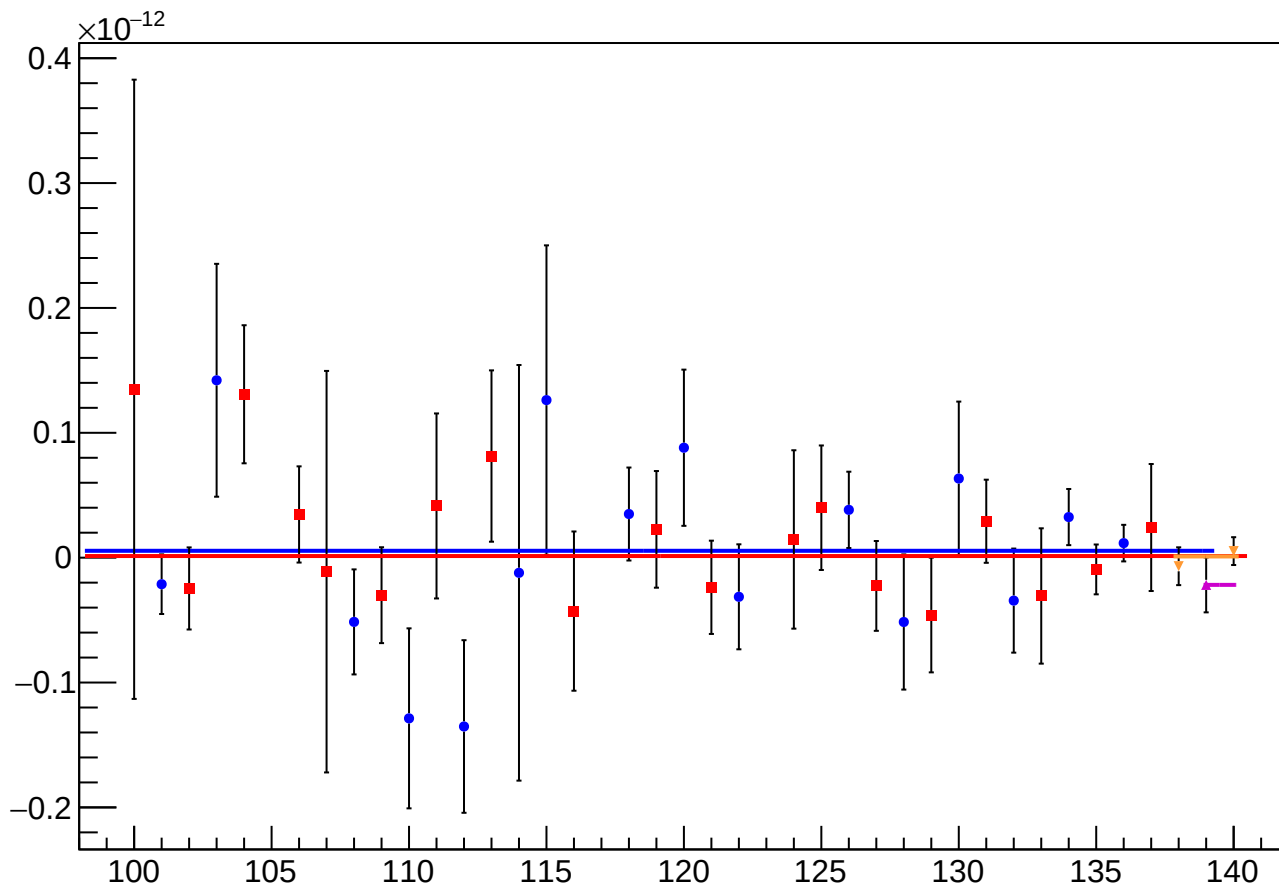
Left In: 56.332 $\pm$ 0.048 χ^2 /NDF: 0.0/0

+ sign 62.427 $\pm$ 0.018 χ^2 /NDF: 2678448.7/17

All: 58.359 $\pm$ 0.012 χ^2 /NDF: 6306386.8/37

- sign 54.510 $\pm$ 0.017 χ^2 /NDF: 3523282.9/19

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

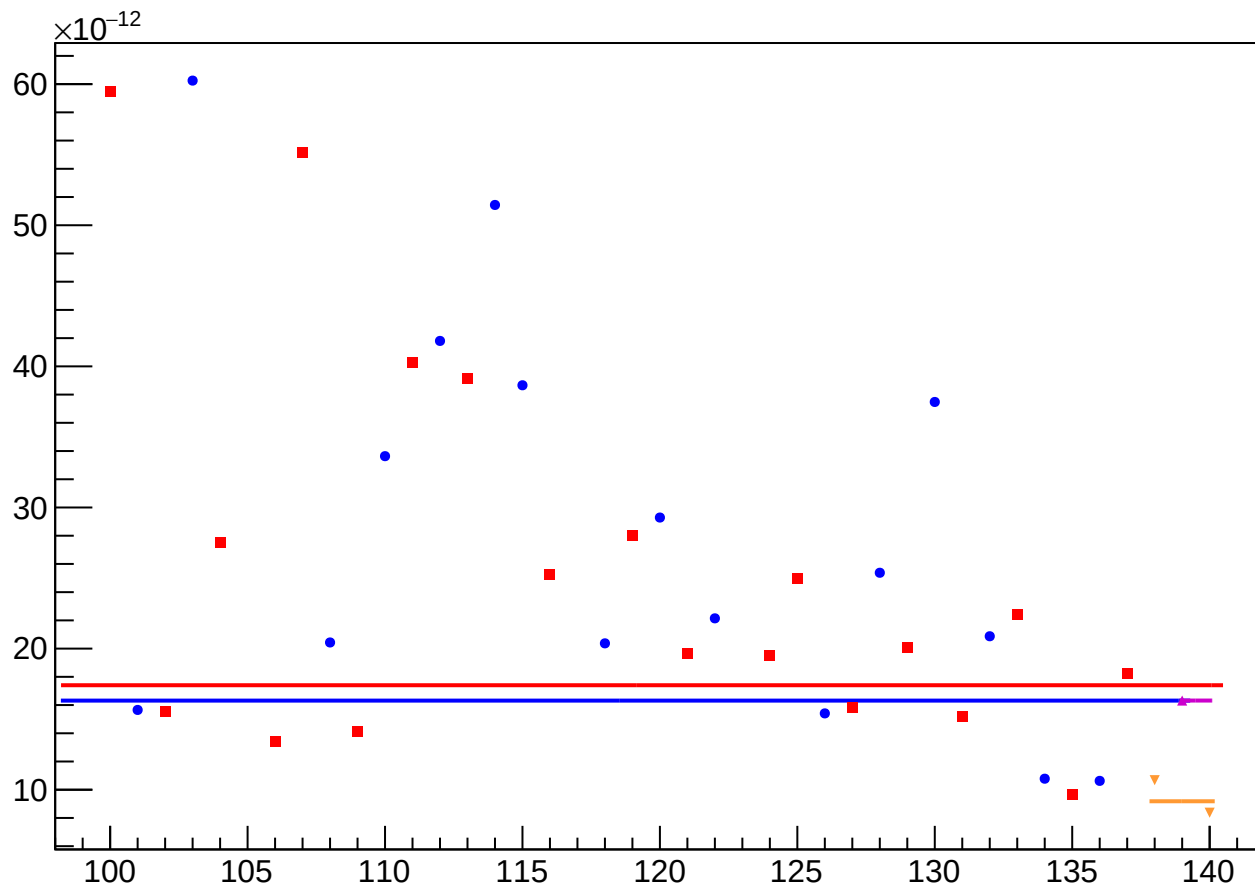
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/19

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 30039.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1197059.5/18

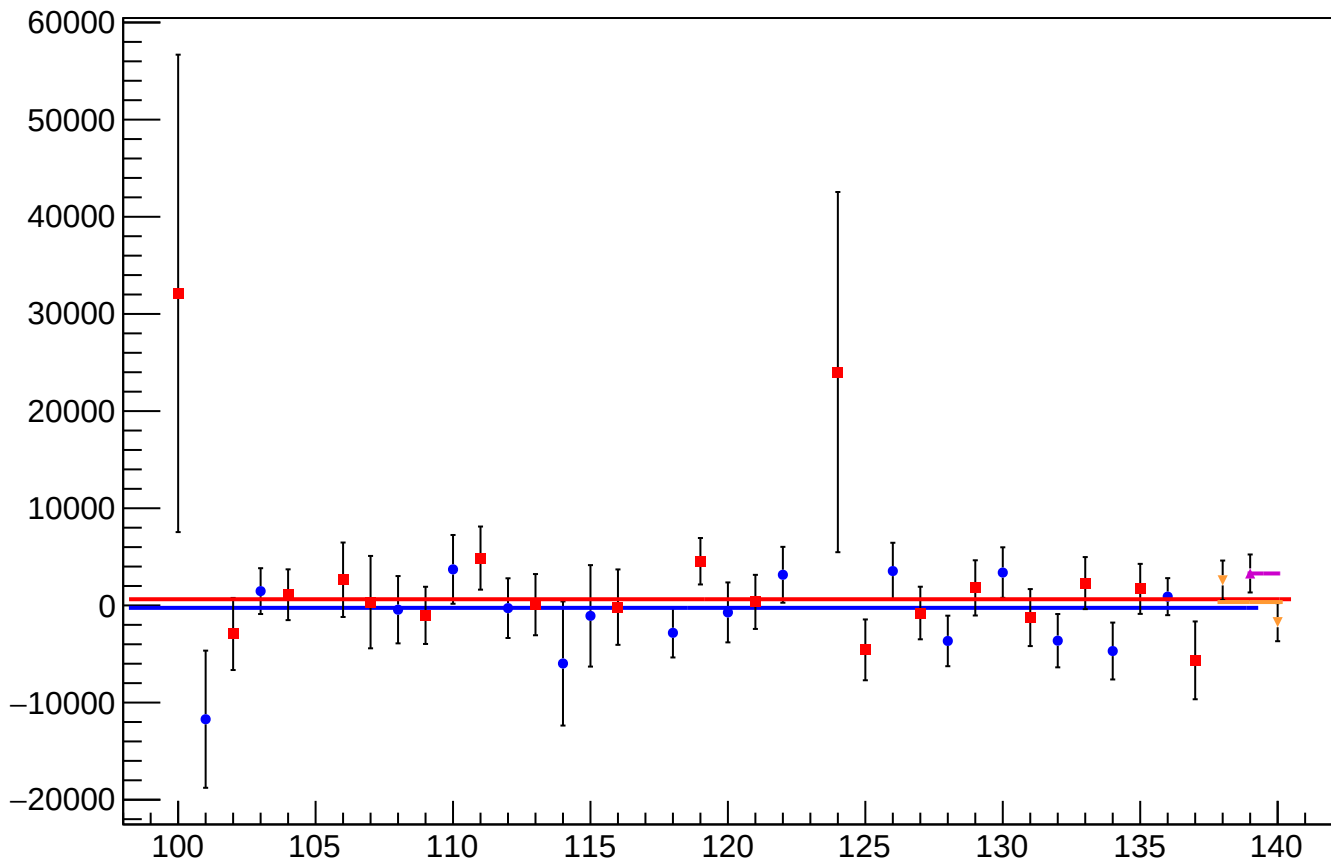
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2580554.0/17

All: 0.000+/-0.000 χ^2/NDF : 4100236.3/37

- sign 0.000+/-0.000 χ^2/NDF : 1201125.4/19

reg_asym_at1_dd_mean vs Slug



Right In: -251.297 ± 735.111 χ^2/NDF : 17.3/15

Left Out: 346.911 ± 1412.393 χ^2/NDF : 2.3/1

Right Out: 636.082 ± 735.477 χ^2/NDF : 15.9/18

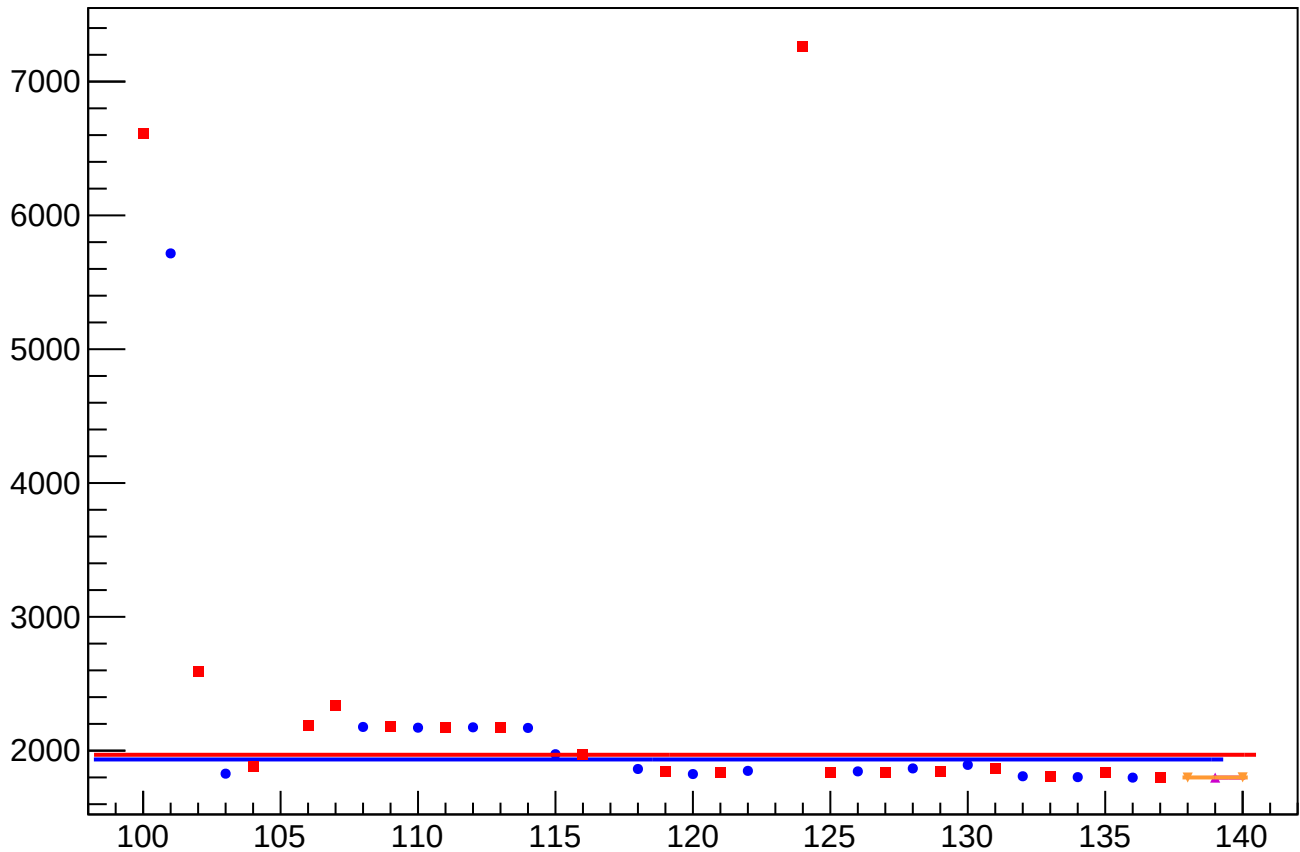
Left In: 3287.967 ± 1954.846 χ^2/NDF : 0.0/0

+ sign -123.788 ± 652.077 χ^2/NDF : 19.7/17

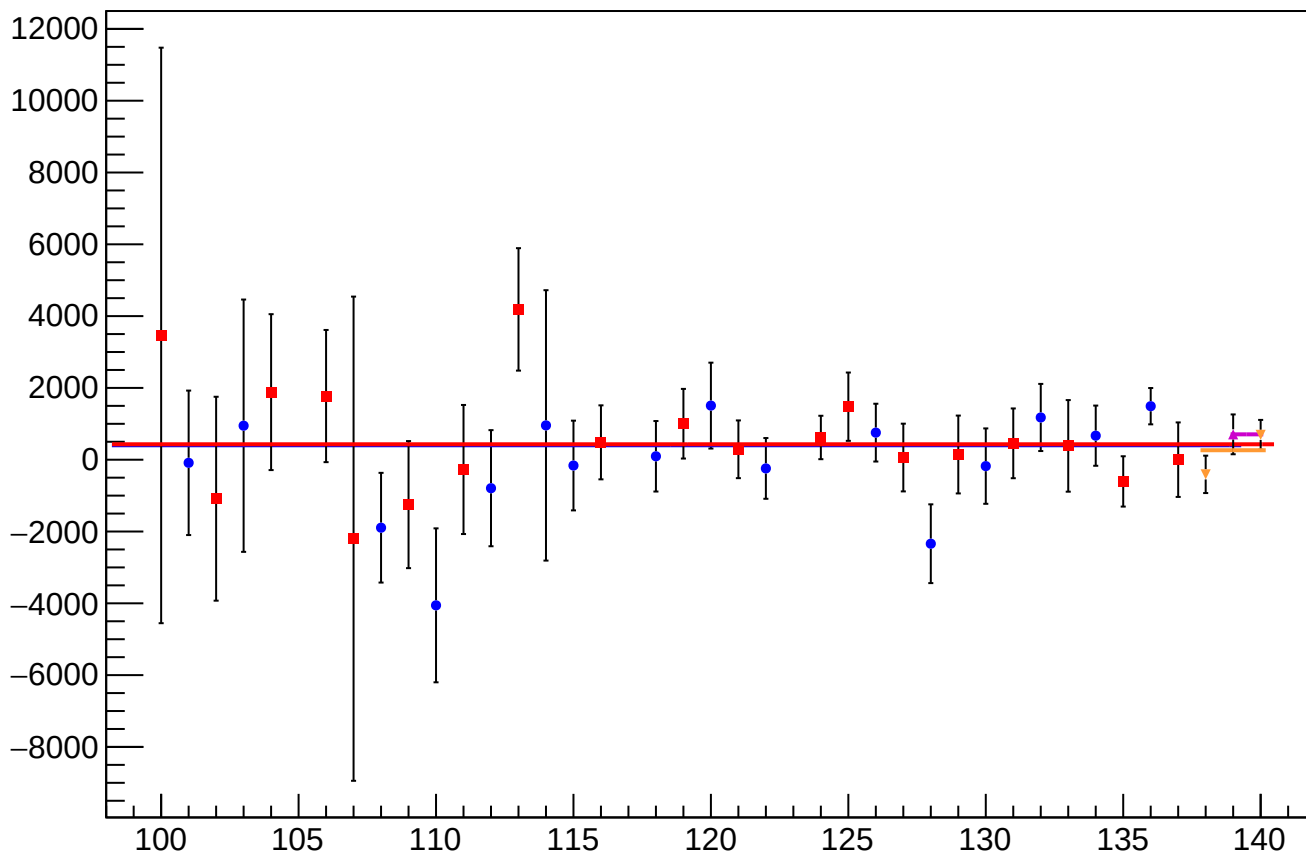
All: 391.107 ± 473.398 χ^2/NDF : 38.5/37

- sign 964.913 ± 688.369 χ^2/NDF : 17.5/19

reg_asym_at1_dd_rms vs Slug



asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626 $\pm$ 258.574 χ^2 /NDF: 21.1/15

Left Out: 264.224 $\pm$ 324.964 χ^2 /NDF: 2.7/1

Right Out: 430.066 $\pm$ 252.823 χ^2 /NDF: 11.7/18

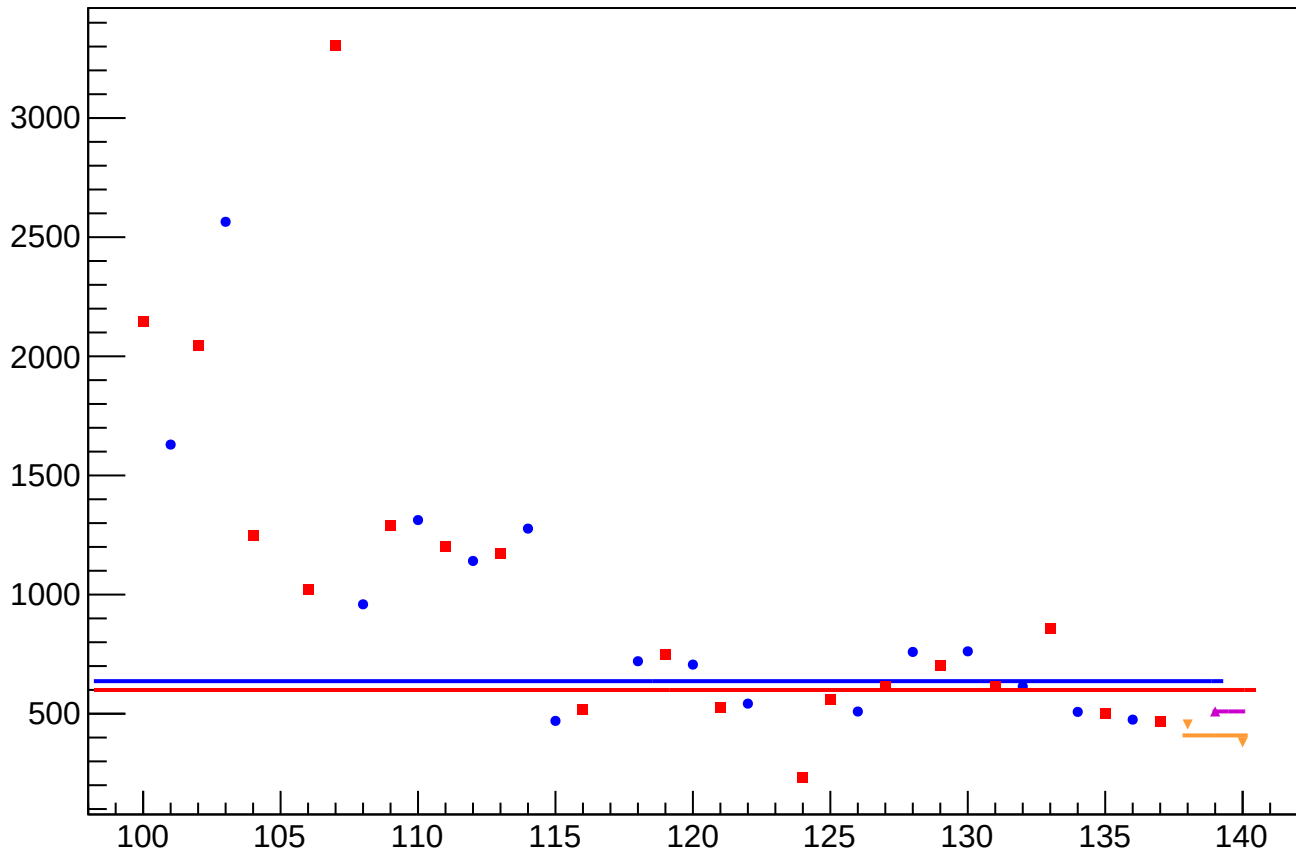
Left In: 706.702 $\pm$ 554.615 χ^2 /NDF: 0.0/0

+ sign 348.970 $\pm$ 202.336 χ^2 /NDF: 24.0/17

All: 405.101 $\pm$ 151.931 χ^2 /NDF: 36.1/37

- sign 477.662 $\pm$ 230.048 χ^2 /NDF: 11.9/19

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700 ± 0.183 χ^2/NDF : 2066891.4/15

Left Out: 408.948 ± 0.230 χ^2/NDF : 25293.6/1

Right Out: 599.631 ± 0.179 χ^2/NDF : 2944100.6/18

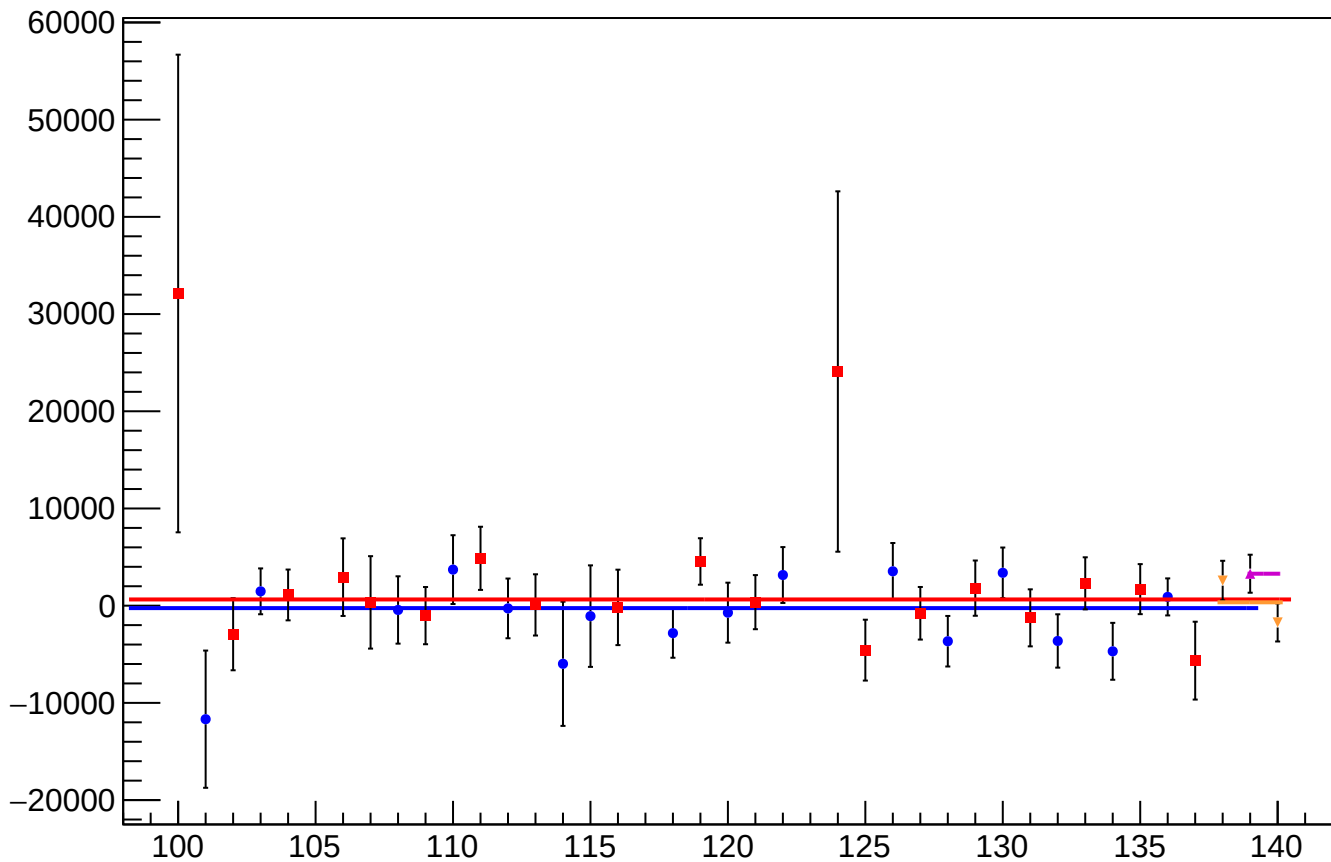
Left In: 509.622 ± 0.392 χ^2/NDF : 0.0/0

+ sign 548.404 ± 0.143 χ^2/NDF : 2693719.2/17

All: 563.993 ± 0.107 χ^2/NDF : 5708652.2/37

- sign 584.145 ± 0.163 χ^2/NDF : 2987714.5/19

cor_asym_at1_dd_mean vs Slug



Right In: -250.487 ± 735.112 χ^2/NDF : 17.2/15

Left Out: 346.904 ± 1412.393 χ^2/NDF : 2.3/1

Right Out: 640.865 ± 736.549 χ^2/NDF : 16.0/18

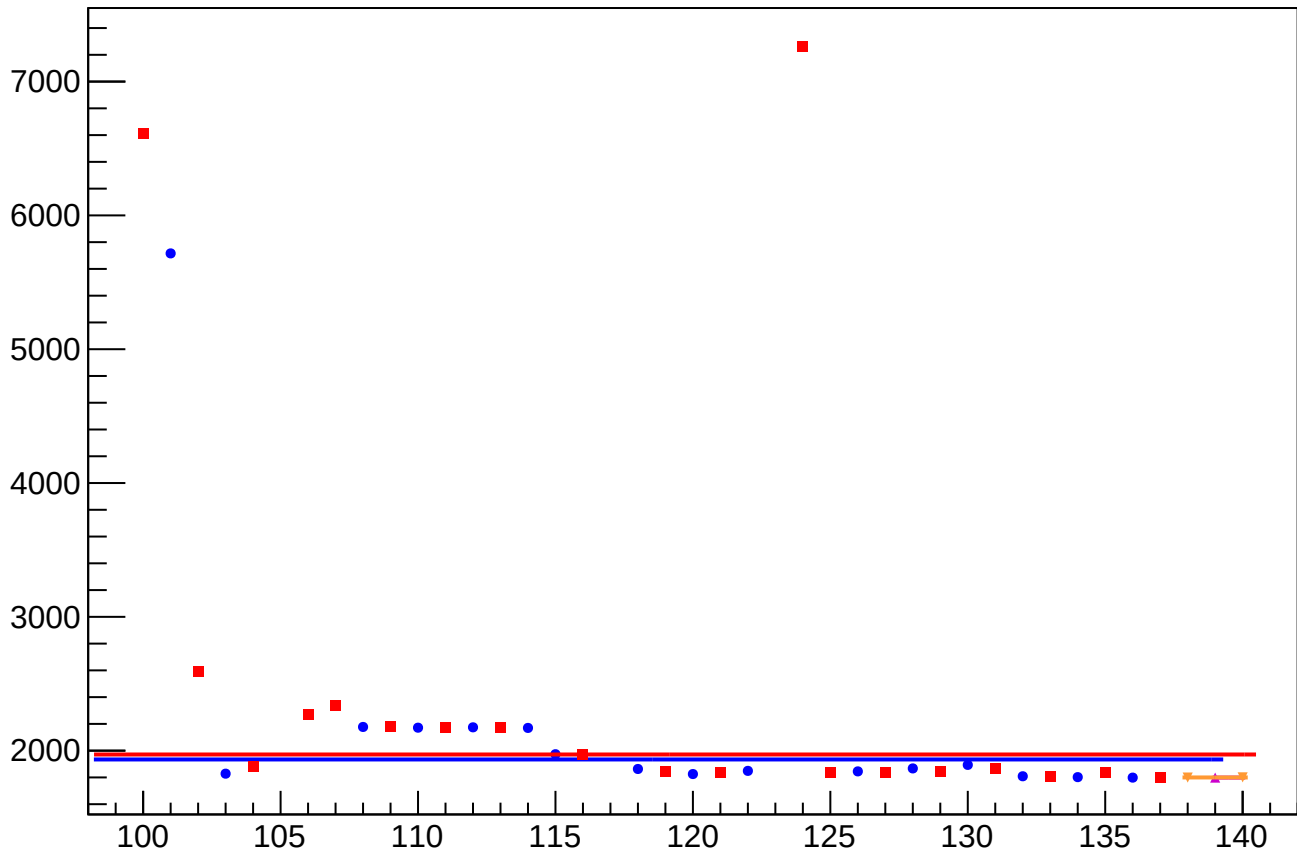
Left In: 3287.976 ± 1954.846 χ^2/NDF : 0.0/0

+ sign -123.153 ± 652.077 χ^2/NDF : 19.7/17

All: 393.126 ± 473.684 χ^2/NDF : 38.6/37

- sign 969.942 ± 689.248 χ^2/NDF : 17.6/19

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217 $\pm$ 0.520 χ^2 /NDF: 639919.9/15

Left Out: 1799.768 $\pm$ 0.999 χ^2 /NDF: 0.5/1

Right Out: 1971.357 $\pm$ 0.521 χ^2 /NDF: 383176.6/18

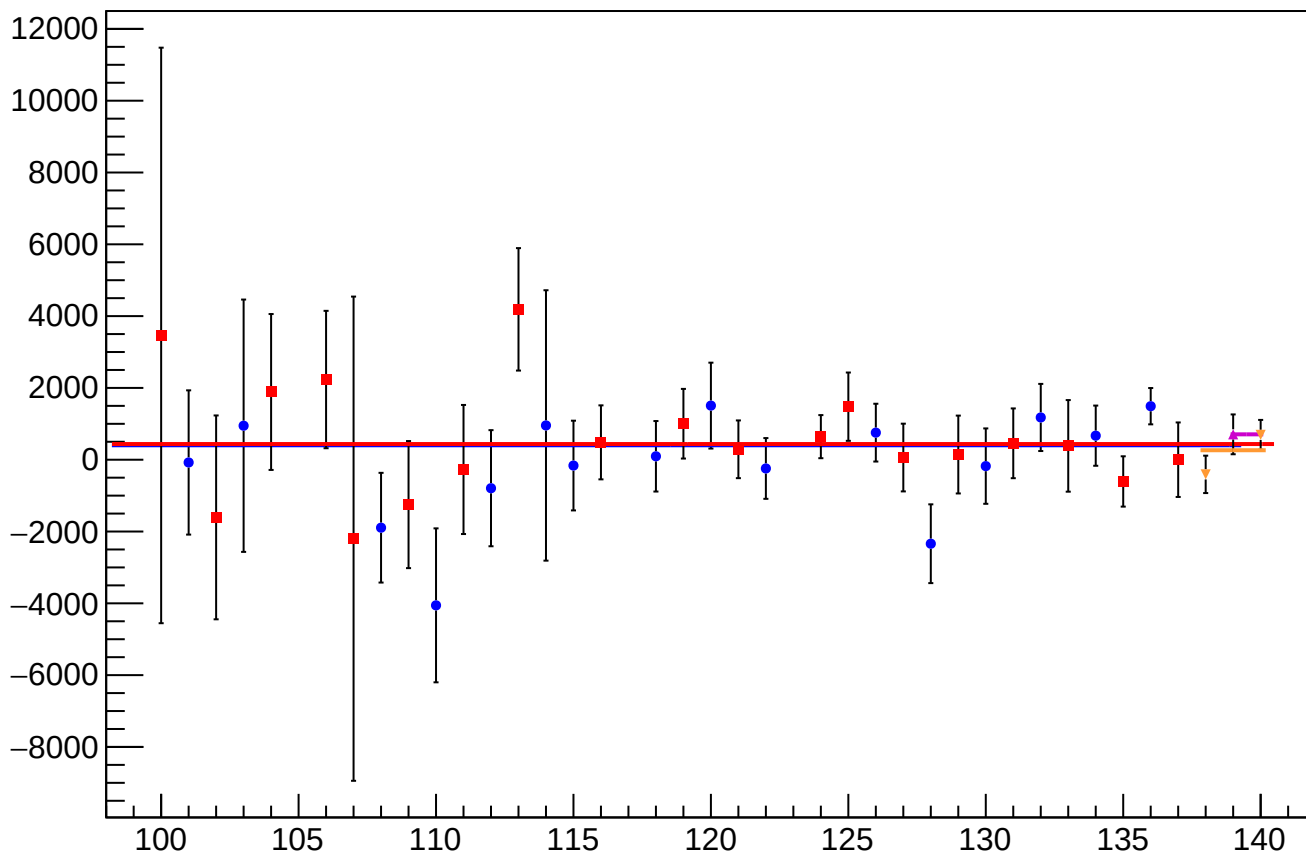
Left In: 1798.702 $\pm$ 1.382 χ^2 /NDF: 0.0/0

+ sign 1905.559 $\pm$ 0.461 χ^2 /NDF: 654180.6/17

All: 1926.498 $\pm$ 0.335 χ^2 /NDF: 1055385.6/37

- sign 1949.893 $\pm$ 0.487 χ^2 /NDF: 396838.4/19

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701 $\pm$ 258.564 χ^2 /NDF: 21.1/15

Left Out: 264.213 $\pm$ 324.974 χ^2 /NDF: 2.7/1

Right Out: 436.691 $\pm$ 252.672 χ^2 /NDF: 12.4/18

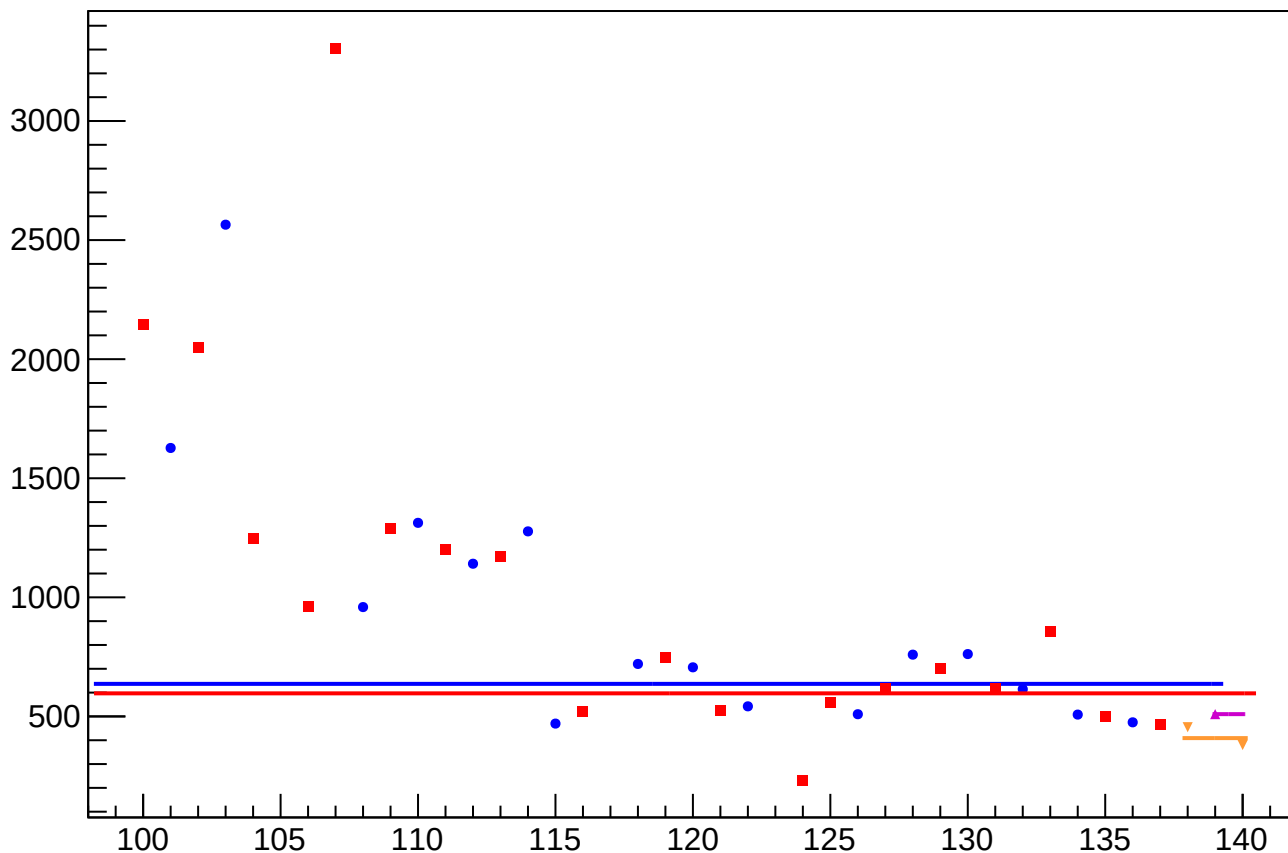
Left In: 706.961 $\pm$ 554.594 χ^2 /NDF: 0.0/0

+ sign 349.016 $\pm$ 202.333 χ^2 /NDF: 24.0/17

All: 407.553 $\pm$ 151.897 χ^2 /NDF: 36.7/37

- sign 483.148 $\pm$ 229.933 χ^2 /NDF: 12.6/19

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698 $\pm$ 0.183 χ^2 /NDF: 2066022.1/15

Left Out: 408.962 $\pm$ 0.230 χ^2 /NDF:25275.2/1

Right Out: 596.862 $\pm$ 0.179 χ^2 /NDF: 2930443.7/18

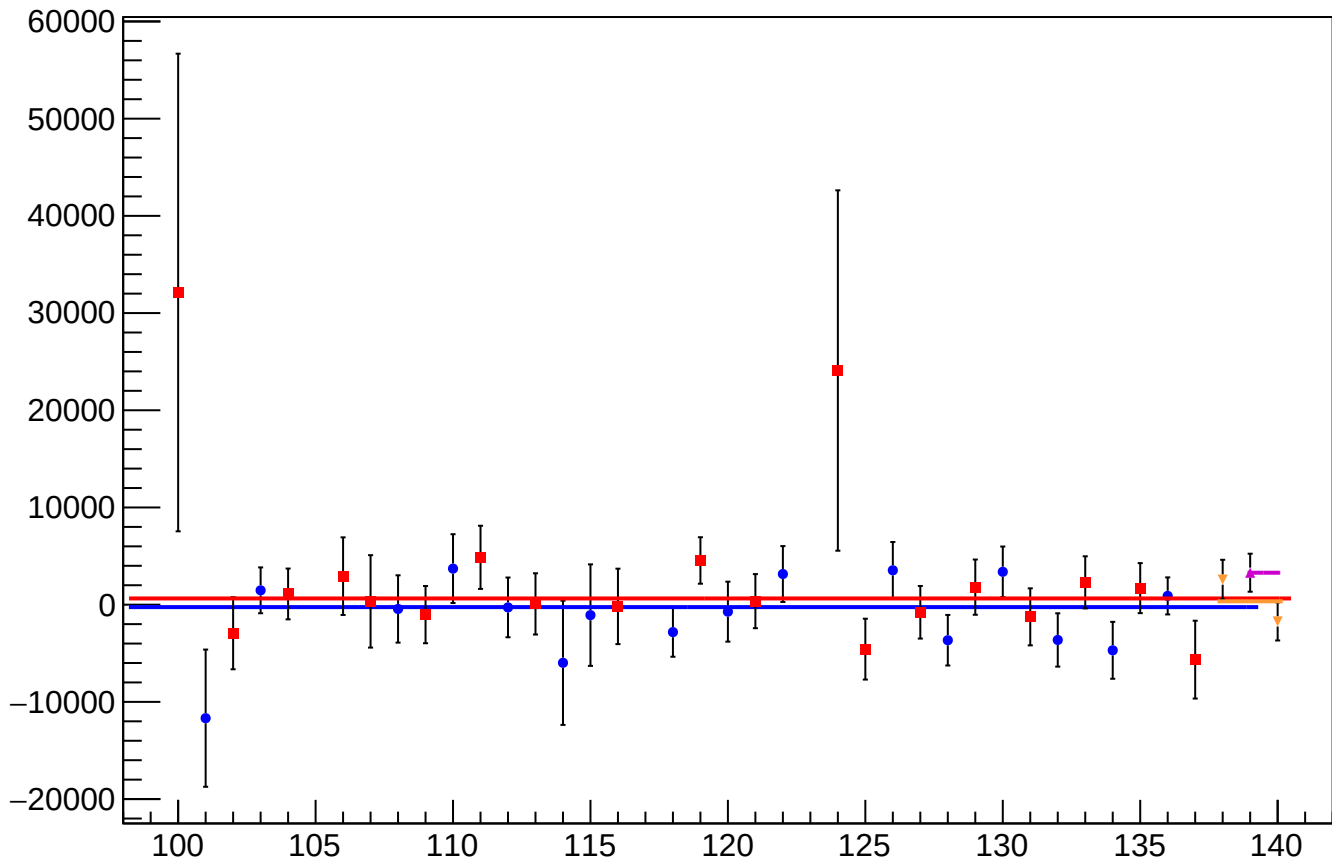
Left In: 509.602 $\pm$ 0.392 χ^2 /NDF:0.0/0

+ sign 548.417 $\pm$ 0.143 χ^2 /NDF: 2692742.6/17

All: 563.013 $\pm$ 0.107 χ^2 /NDF: 5688036.8/37

- sign 581.863 $\pm$ 0.163 χ^2 /NDF: 2971444.4/19

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487 ± 735.112 χ^2/NDF : 17.2/15

Left Out: 346.904 ± 1412.393 χ^2/NDF : 2.3/1

Right Out: 640.865 ± 736.549 χ^2/NDF : 16.0/18

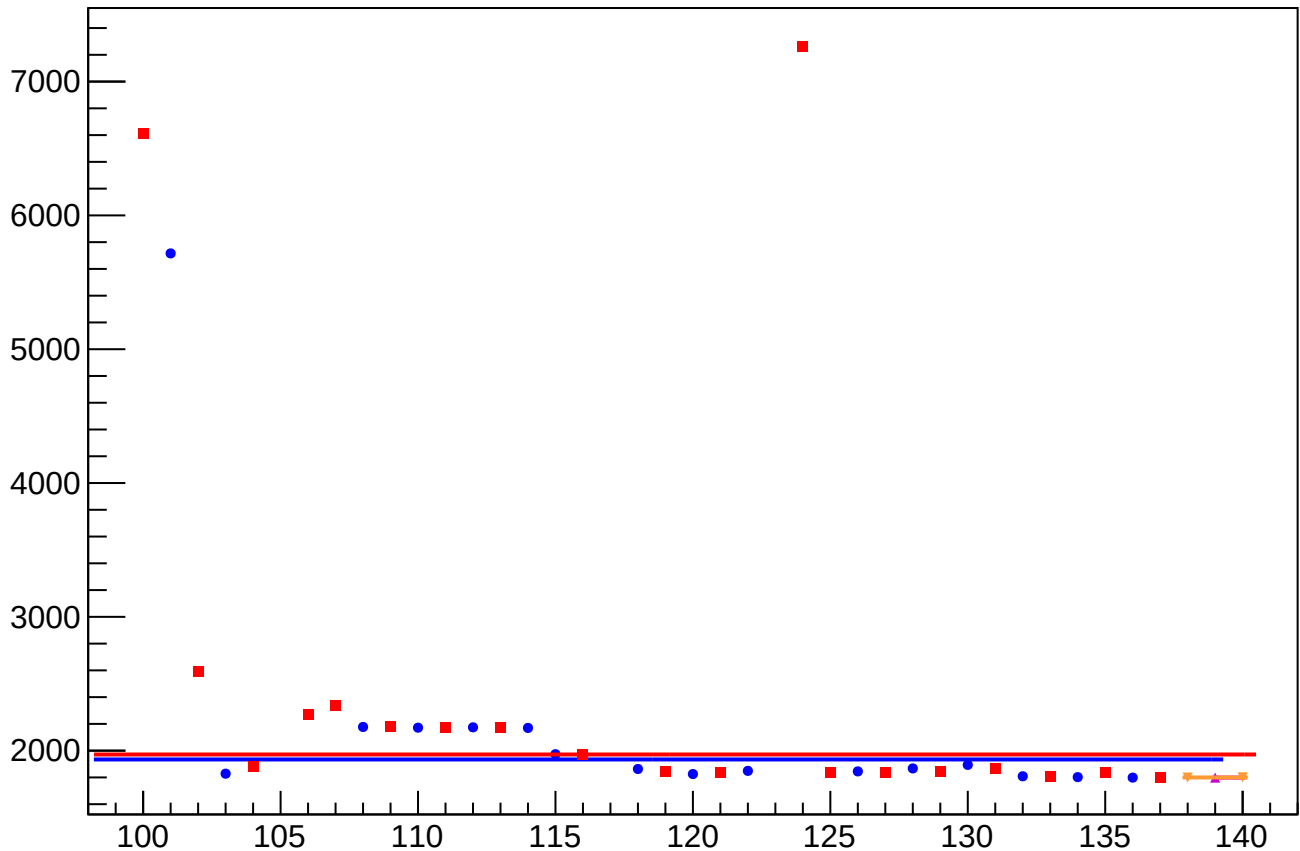
Left In: 3287.976 ± 1954.846 χ^2/NDF : 0.0/0

+ sign -123.153 ± 652.077 χ^2/NDF : 19.7/17

All: 393.126 ± 473.684 χ^2/NDF : 38.6/37

- sign 969.942 ± 689.248 χ^2/NDF : 17.6/19

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF : 639919.9/15

Left Out: 1799.768+/-0.999 χ^2/NDF : 0.5/1

Right Out: 1971.357+/-0.521 χ^2/NDF : 383176.6/18

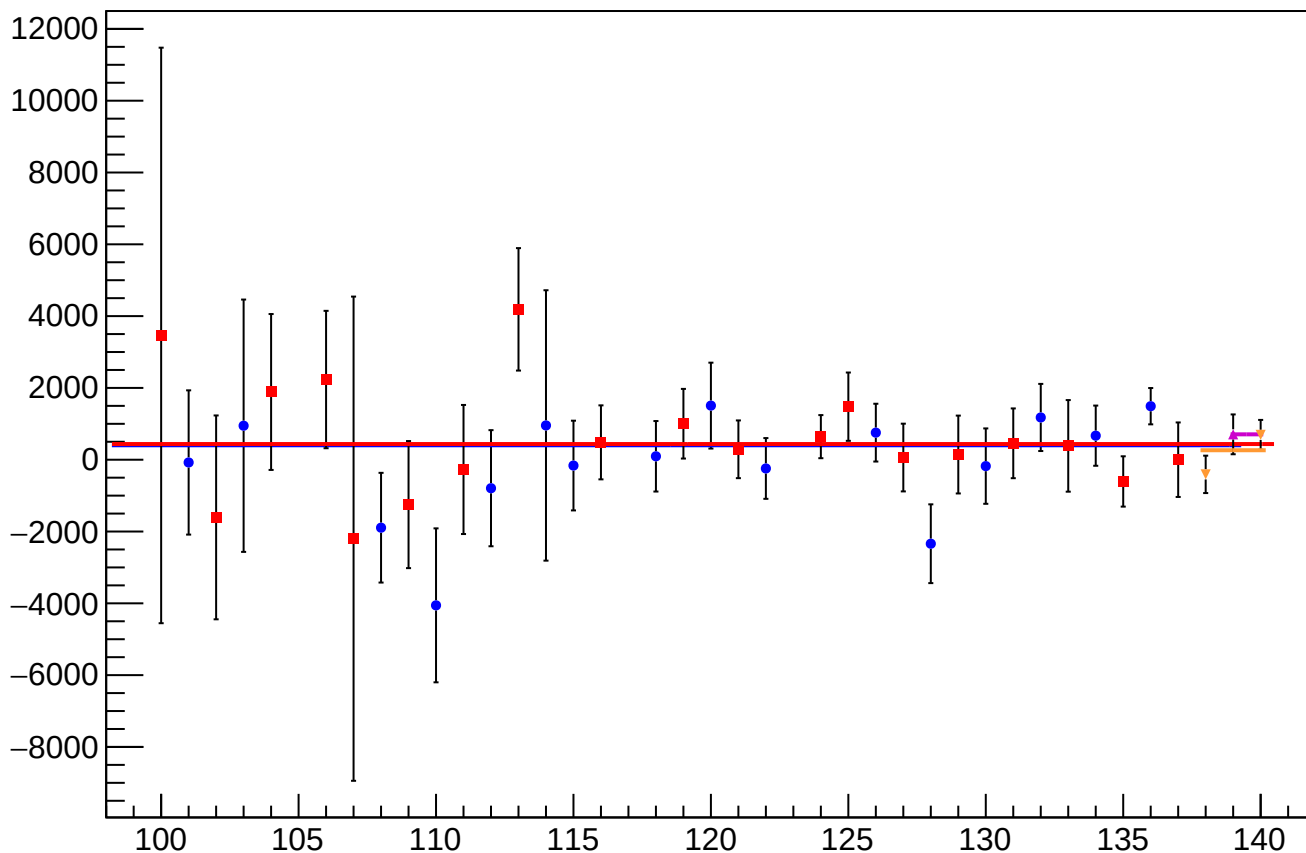
Left In: 1798.702+/-1.382 χ^2/NDF : 0.0/0

+ sign 1905.559+/-0.461 χ^2/NDF : 654180.6/17

All: 1926.498+/-0.335 χ^2/NDF : 1055385.6/37

- sign 1949.893+/-0.487 χ^2/NDF : 396838.4/19

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701 $\pm$ 258.564 χ^2 /NDF: 21.1/15

Left Out: 264.213 $\pm$ 324.974 χ^2 /NDF: 2.7/1

Right Out: 436.691 $\pm$ 252.672 χ^2 /NDF: 12.4/18

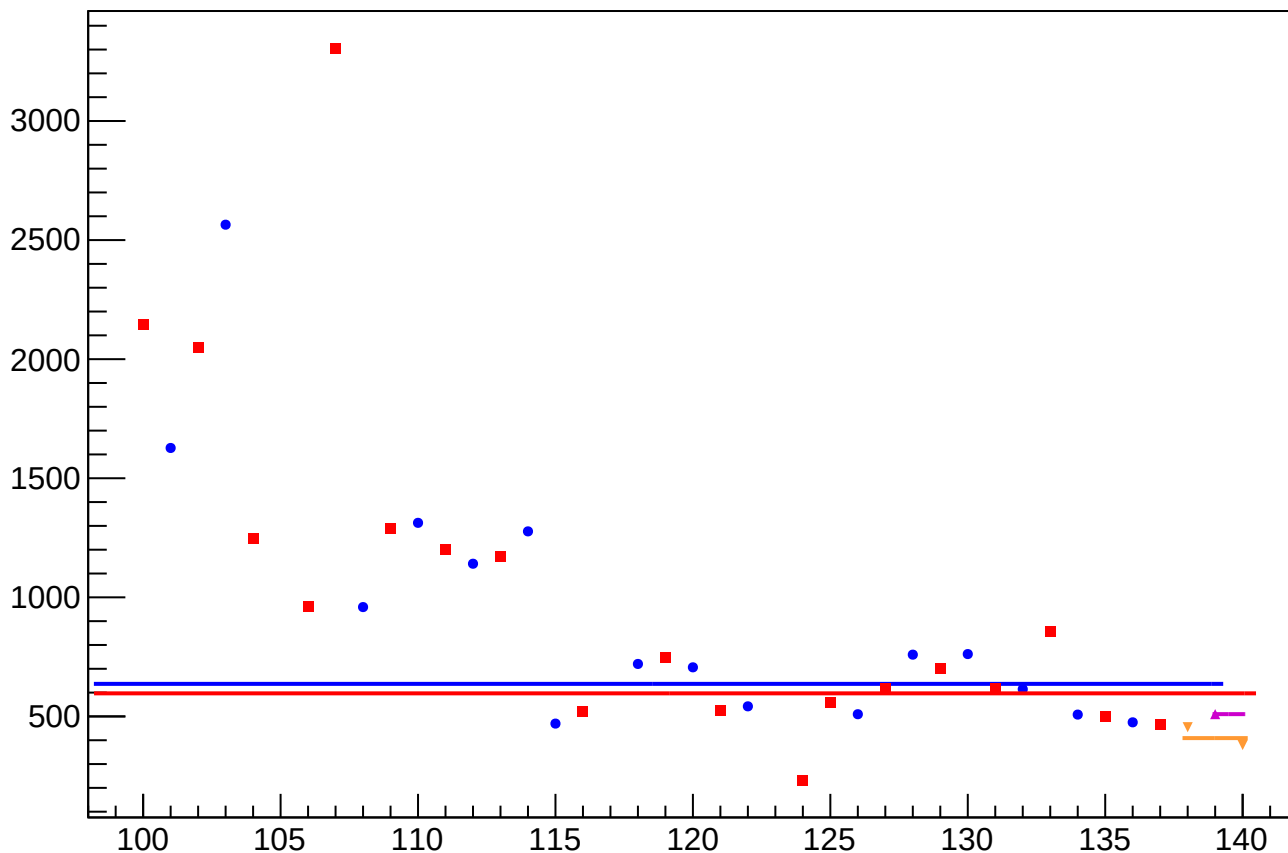
Left In: 706.961 $\pm$ 554.594 χ^2 /NDF: 0.0/0

+ sign 349.016 $\pm$ 202.333 χ^2 /NDF: 24.0/17

All: 407.553 $\pm$ 151.897 χ^2 /NDF: 36.7/37

- sign 483.148 $\pm$ 229.933 χ^2 /NDF: 12.6/19

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698 $\pm$ 0.183 χ^2 /NDF: 2066022.1/15

Left Out: 408.962 $\pm$ 0.230 χ^2 /NDF:25275.2/1

Right Out: 596.862 $\pm$ 0.179 χ^2 /NDF: 2930443.7/18

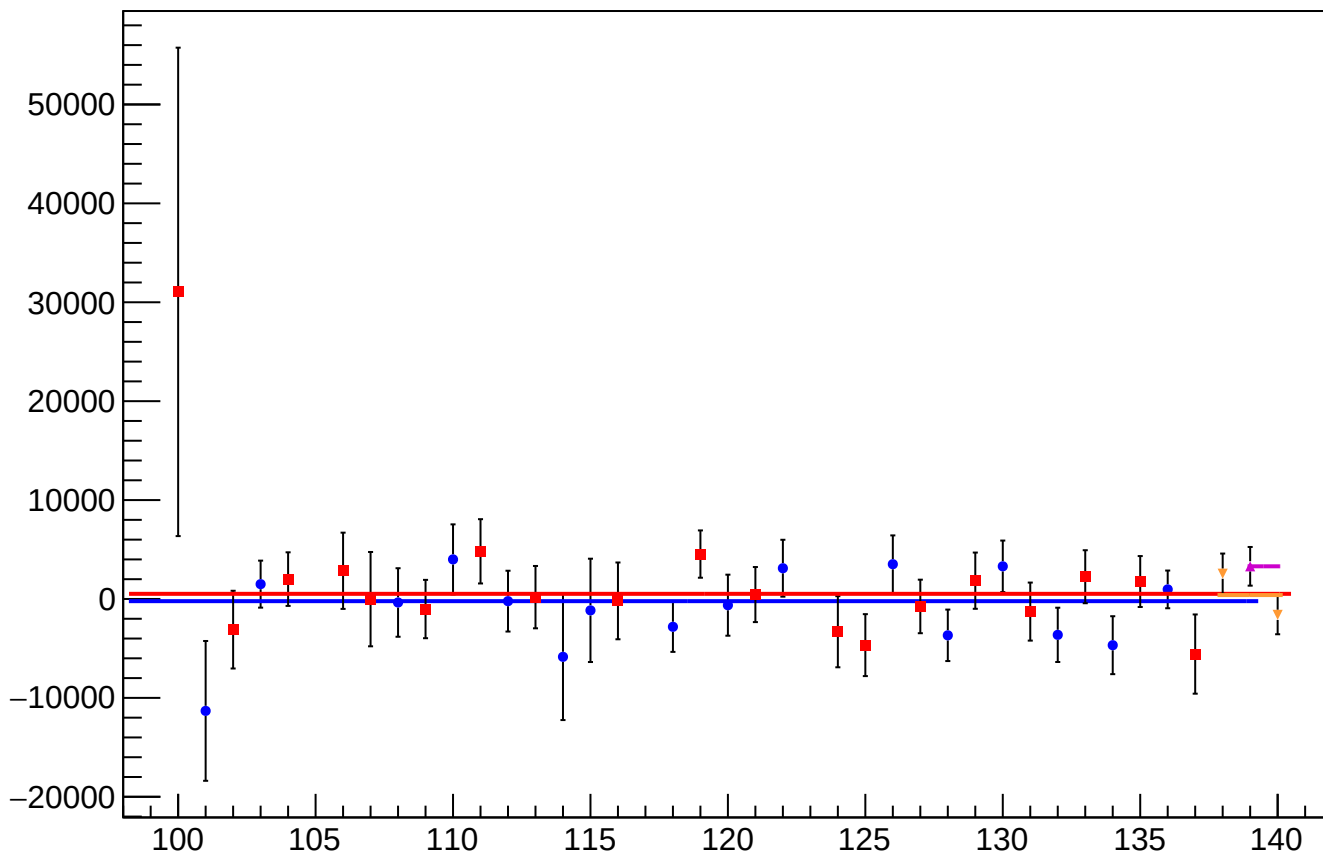
Left In: 509.602 $\pm$ 0.392 χ^2 /NDF:0.0/0

+ sign 548.417 $\pm$ 0.143 χ^2 /NDF: 2692742.6/17

All: 563.013 $\pm$ 0.107 χ^2 /NDF: 5688036.8/37

- sign 581.863 $\pm$ 0.163 χ^2 /NDF: 2971444.4/19

dit_asym_at1_dd_mean vs Slug



Right In: -220.393 ± 735.888 $\chi^2/\text{NDF}: 17.1/15$

Left Out: 396.174 ± 1412.831 $\chi^2/\text{NDF}: 2.2/1$

Right Out: 520.265 ± 724.980 $\chi^2/\text{NDF}: 15.6/18$

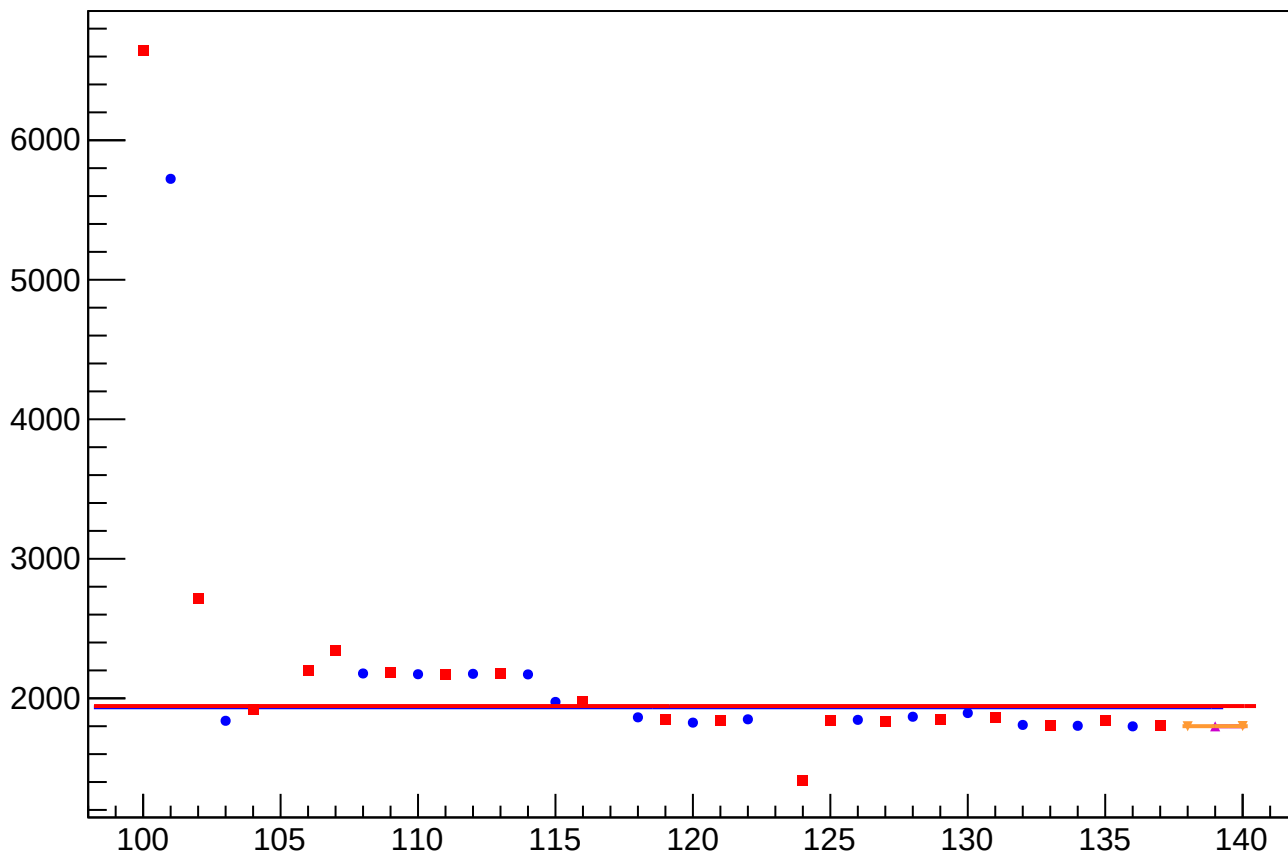
Left In: 3302.679 ± 1955.472 $\chi^2/\text{NDF}: 0.0/0$

+ sign -88.817 ± 652.662 $\chi^2/\text{NDF}: 19.4/17$

All: 364.618 ± 470.792 $\chi^2/\text{NDF}: 37.8/37$

- sign 856.496 ± 679.766 $\chi^2/\text{NDF}: 17.4/19$

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF : 639808.0/15

Left Out: 1800.326+/-0.999 χ^2/NDF : 0.7/1

Right Out: 1944.495+/-0.513 χ^2/NDF : 276223.6/18

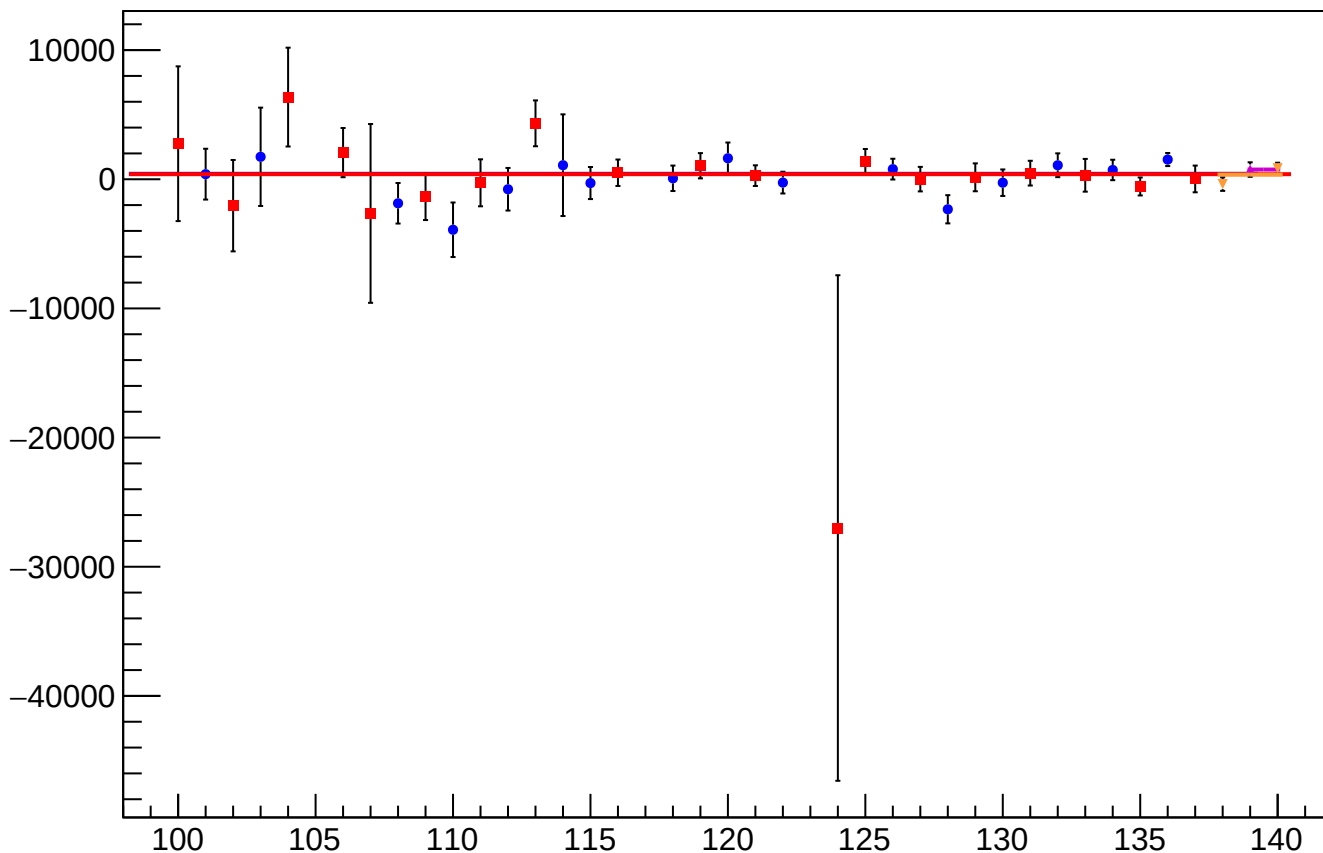
Left In: 1799.277+/-1.383 χ^2/NDF : 0.0/0

+ sign 1907.027+/-0.462 χ^2/NDF : 654310.7/17

All: 1916.582+/-0.333 χ^2/NDF : 941124.9/37

- sign 1926.946+/-0.481 χ^2/NDF : 285920.5/19

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 359.153 $\pm$ 331.796 χ^2 /NDF: 3.3/1

Right Out: 393.590 $\pm$ 279.562 χ^2 /NDF: 15.9/18

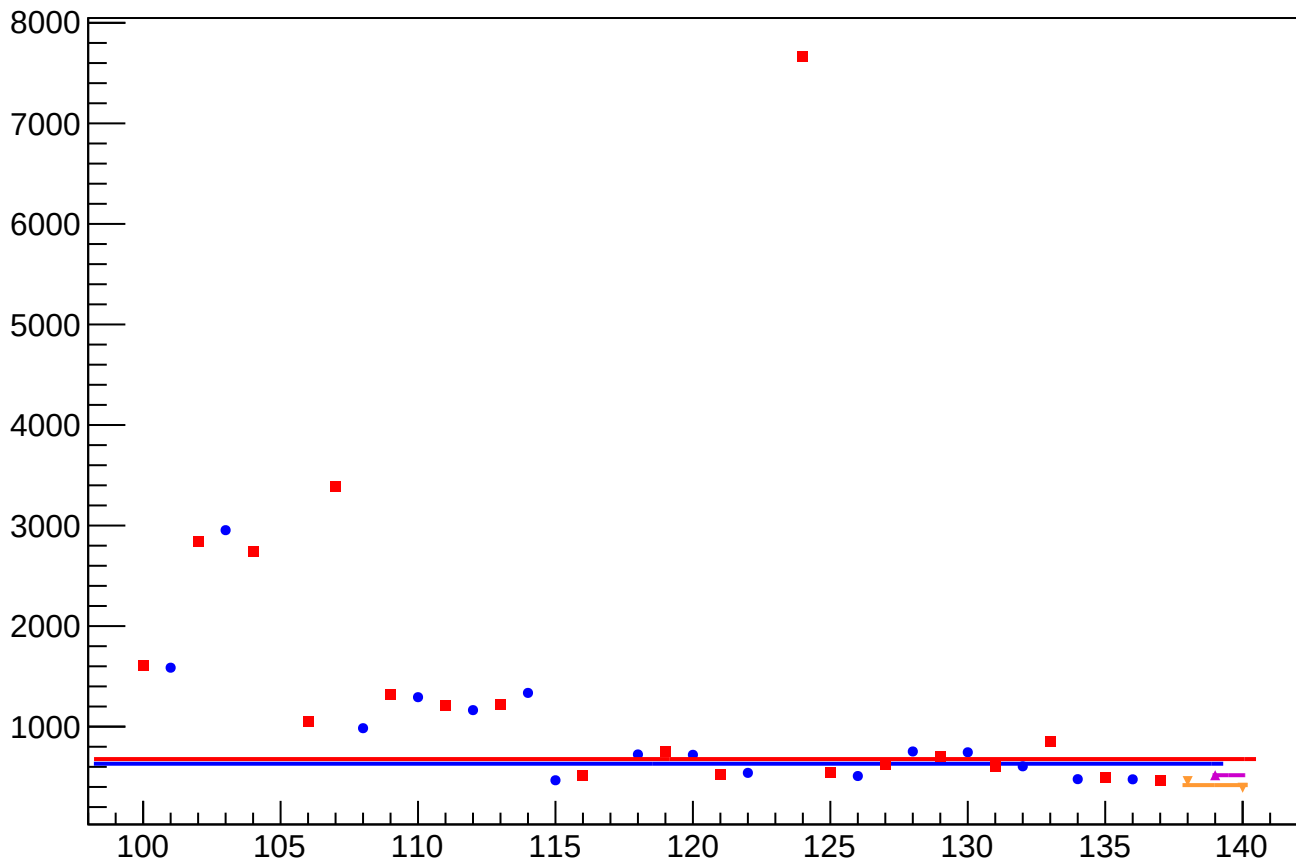
Left In: 751.059 $\pm$ 562.055 χ^2 /NDF: 0.0/0

+ sign 397.927 $\pm$ 203.055 χ^2 /NDF: 24.8/17

All: 424.345 $\pm$ 157.693 χ^2 /NDF: 41.0/37

- sign 464.488 $\pm$ 250.309 χ^2 /NDF: 16.2/19

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF : 2234480.1/15

Left Out: 418.452+/-0.235 χ^2/NDF : 18959.9/1

Right Out: 677.438+/-0.198 χ^2/NDF : 3081569.8/18

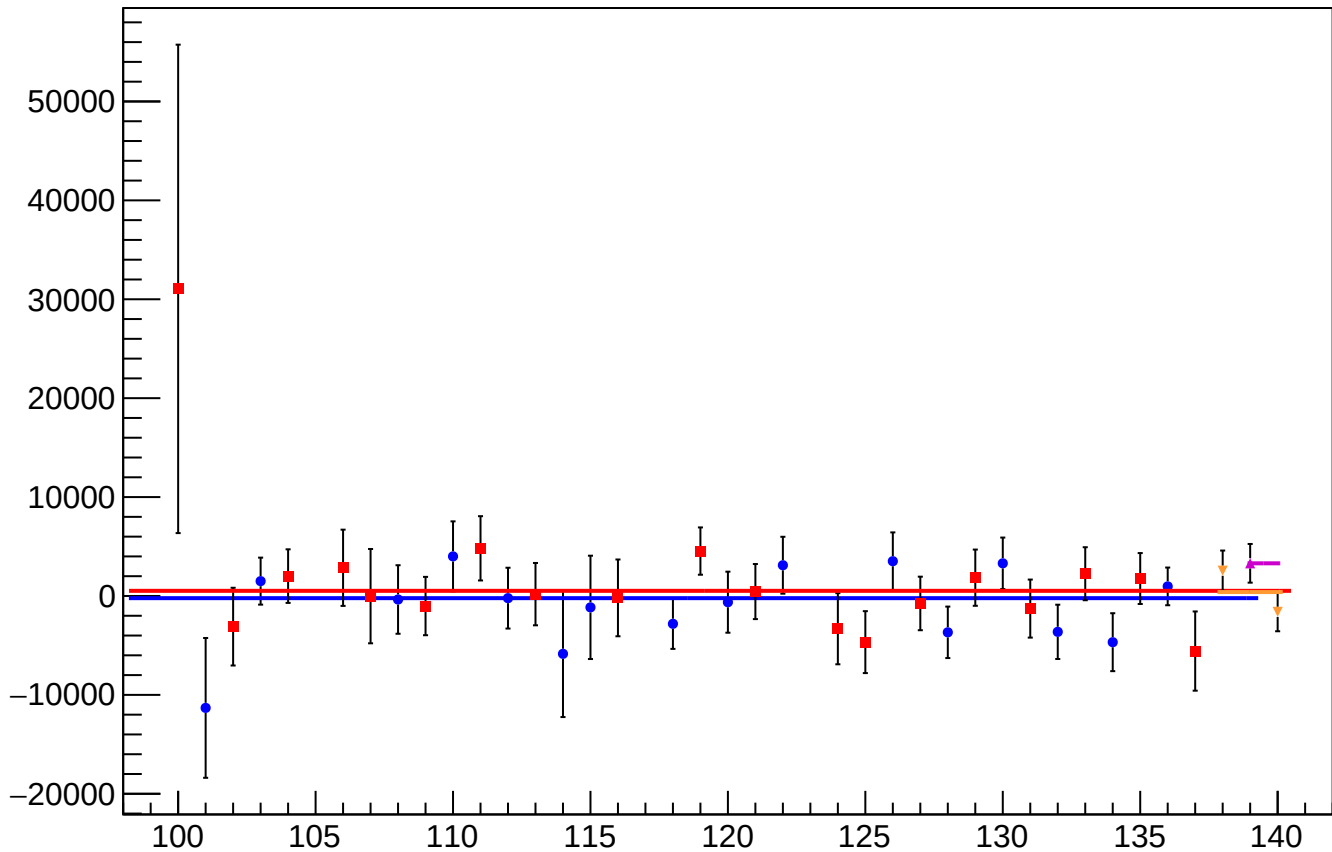
Left In: 516.877+/-0.397 χ^2/NDF : 0.0/0

+ sign 551.482+/-0.144 χ^2/NDF : 2767461.7/17

All: 588.834+/-0.112 χ^2/NDF : 6150385.5/37

- sign 645.593+/-0.177 χ^2/NDF : 3212411.8/19

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393 ± 735.888 χ^2/NDF : 17.1/15

Left Out: 396.175 ± 1412.831 χ^2/NDF : 2.2/1

Right Out: 520.265 ± 724.980 χ^2/NDF : 15.6/18

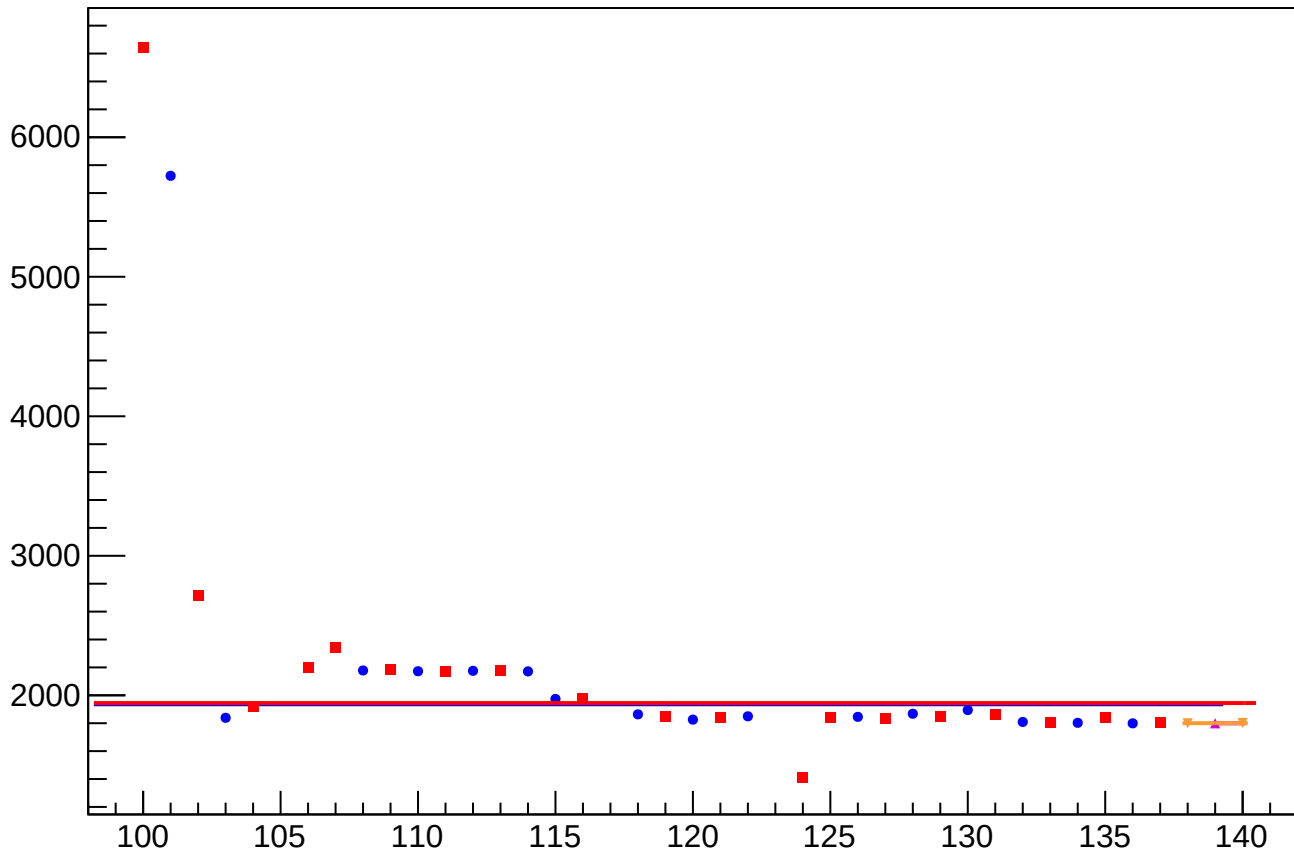
Left In: 3302.678 ± 1955.472 χ^2/NDF : 0.0/0

+ sign -88.817 ± 652.662 χ^2/NDF : 19.4/17

All: 364.618 ± 470.792 χ^2/NDF : 37.8/37

- sign 856.496 ± 679.766 χ^2/NDF : 17.4/19

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF : 639808.0/15

Left Out: 1800.326+/-0.999 χ^2/NDF : 0.7/1

+ sign 1907.027+/-0.462 χ^2/NDF : 654310.8/17

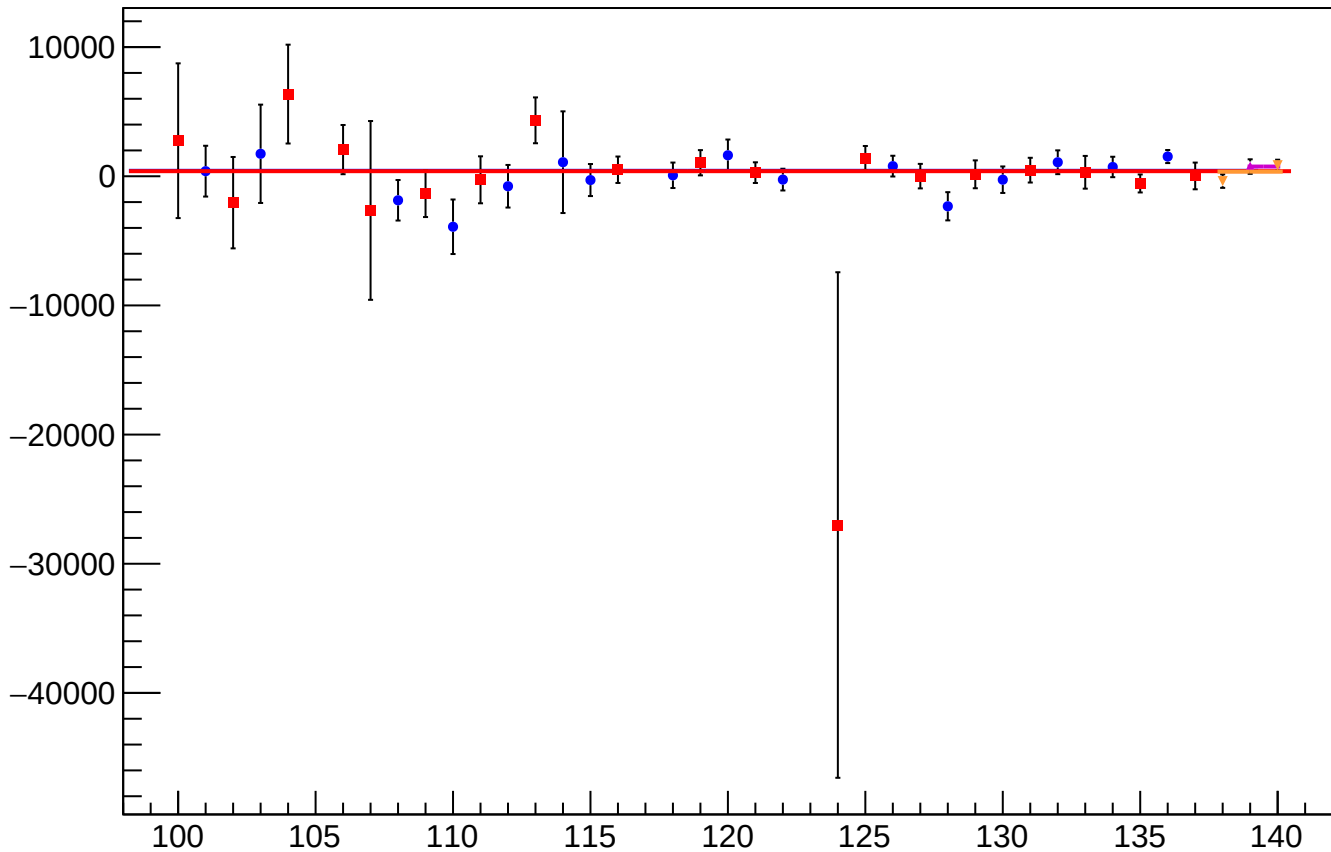
Right Out: 1944.495+/-0.513 χ^2/NDF : 276223.5/18

All: 1916.582+/-0.333 χ^2/NDF : 941124.8/37

- sign 1926.946+/-0.481 χ^2/NDF : 285920.4/19

Left In: 1799.277+/-1.383 χ^2/NDF : 0.0/0

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF : 21.5/15

Left Out: 359.152+/-331.795 χ^2/NDF : 3.3/1

Right Out: 393.591+/-279.562 χ^2/NDF : 15.9/18

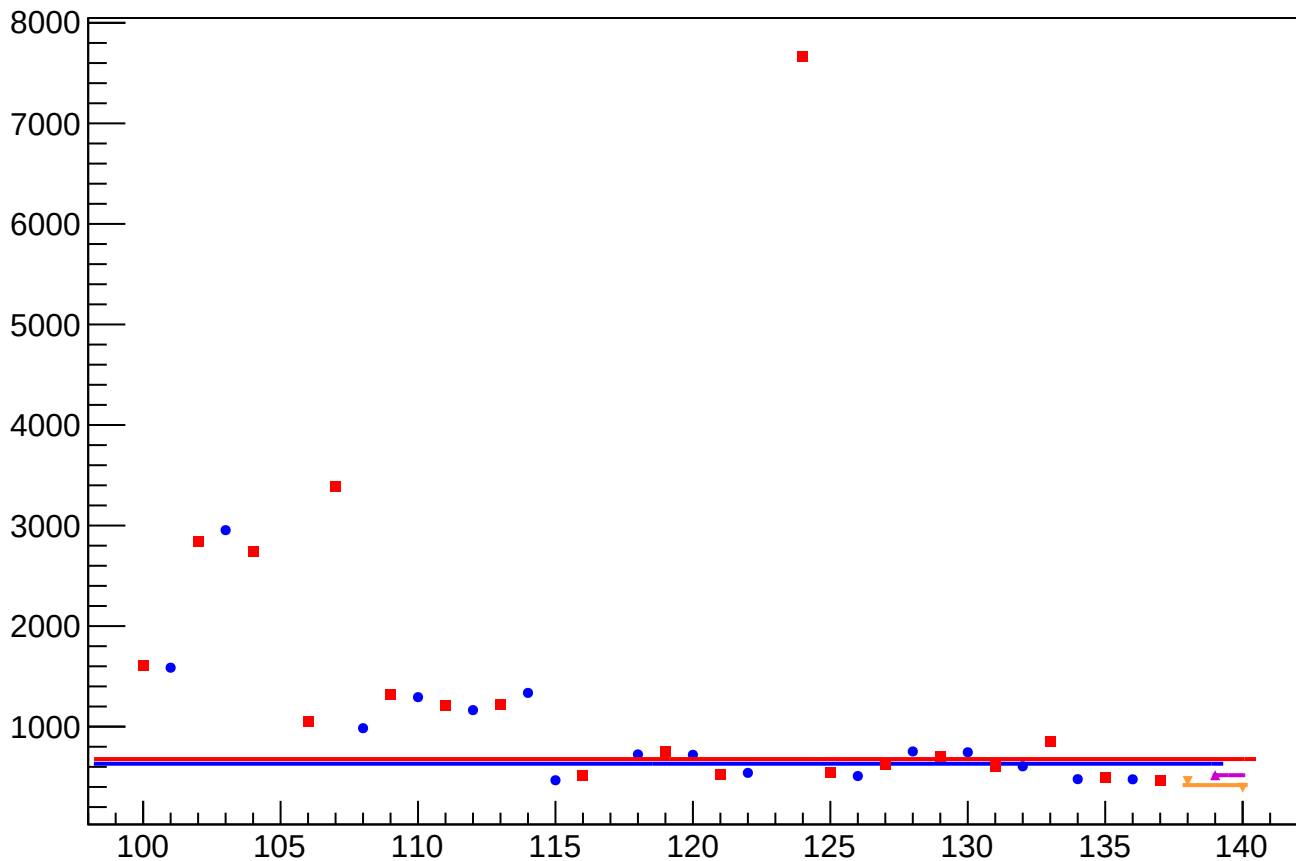
Left In: 751.060+/-562.054 χ^2/NDF : 0.0/0

+ sign 397.926+/-203.055 χ^2/NDF : 24.8/17

All: 424.344+/-157.692 χ^2/NDF : 41.0/37

- sign 464.489+/-250.308 χ^2/NDF : 16.2/19

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF : 2234479.1/15

Left Out: 418.451+/-0.235 χ^2/NDF : 18959.7/1

Right Out: 677.437+/-0.198 χ^2/NDF : 3081570.5/18

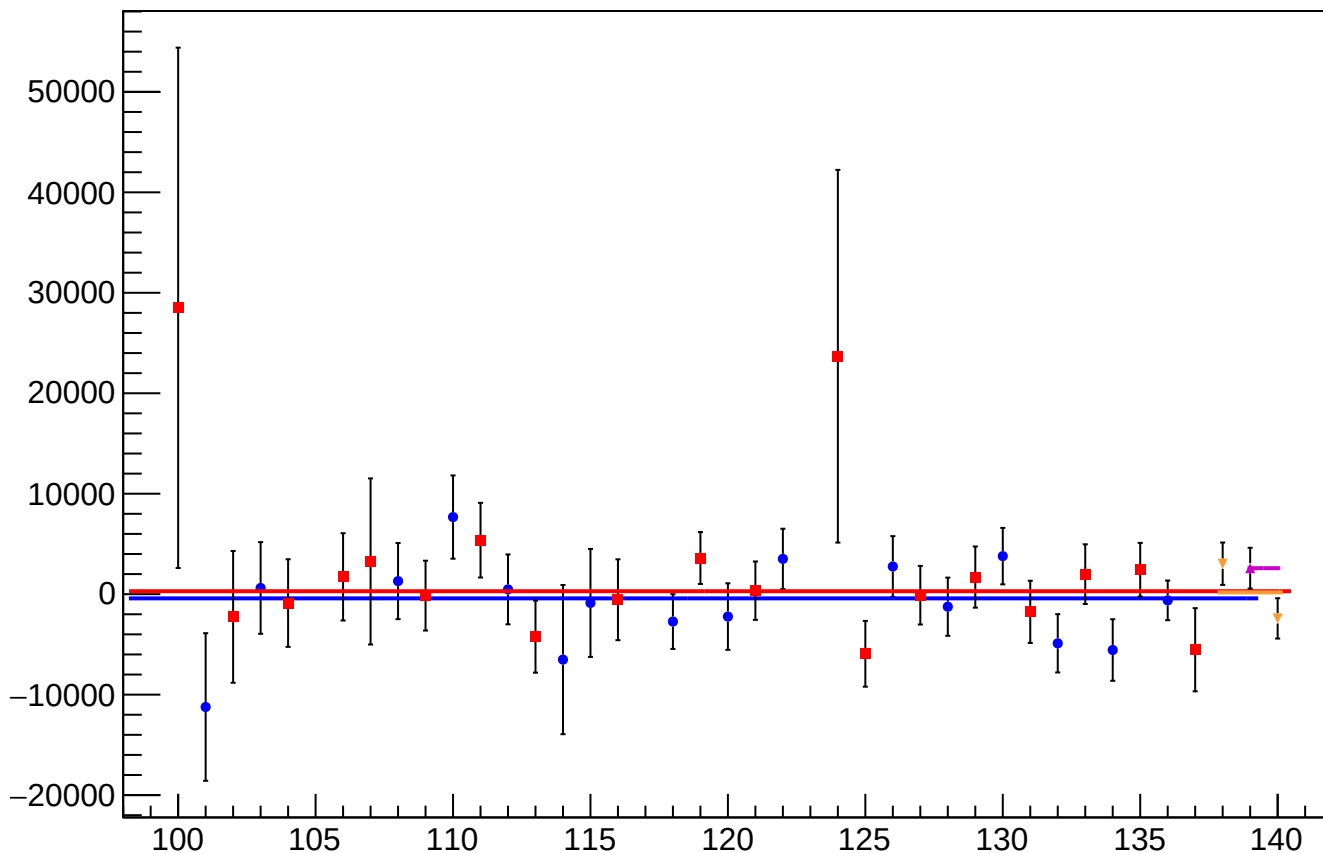
Left In: 516.876+/-0.397 χ^2/NDF : 0.0/0

+ sign 551.481+/-0.144 χ^2/NDF : 2767466.1/17

All: 588.833+/-0.112 χ^2/NDF : 6150393.4/37

- sign 645.593+/-0.177 χ^2/NDF : 3212413.6/19

asym_at1_dd_mean vs Slug



Right In: -417.662 ± 815.370 χ^2/NDF : 18.3/15

Left Out: 177.251 ± 1453.049 χ^2/NDF : 3.5/1

Right Out: 294.527 ± 831.610 χ^2/NDF : 15.6/18

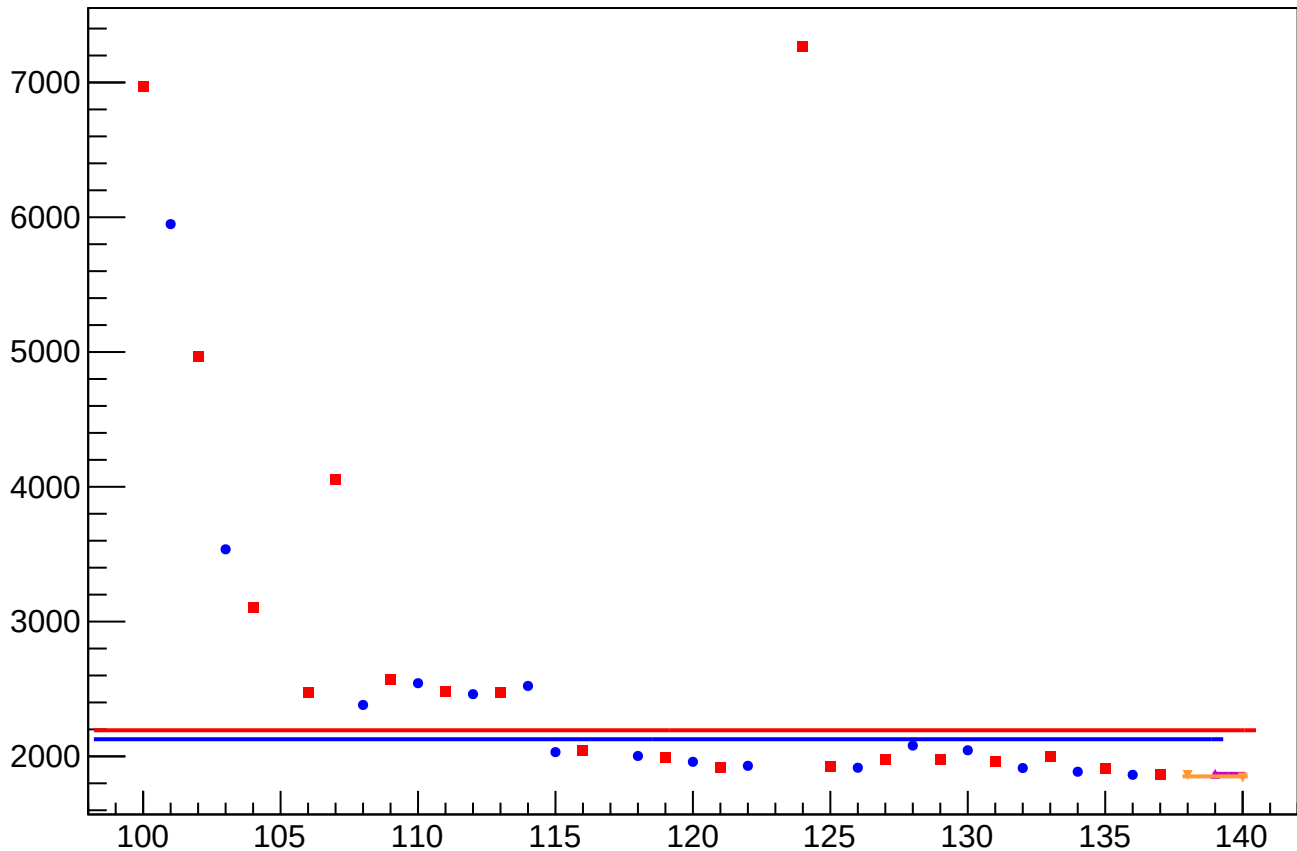
Left In: 2587.637 ± 2032.808 χ^2/NDF : 0.0/0

+ sign -275.194 ± 711.068 χ^2/NDF : 22.0/17

All: 138.526 ± 522.298 χ^2/NDF : 39.4/37

- sign 623.278 ± 769.693 χ^2/NDF : 16.7/19

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF : 875078.1/15

Left Out: 1851.524+/-1.027 χ^2/NDF : 87.9/1

Right Out: 2193.560+/-0.588 χ^2/NDF : 942581.2/18

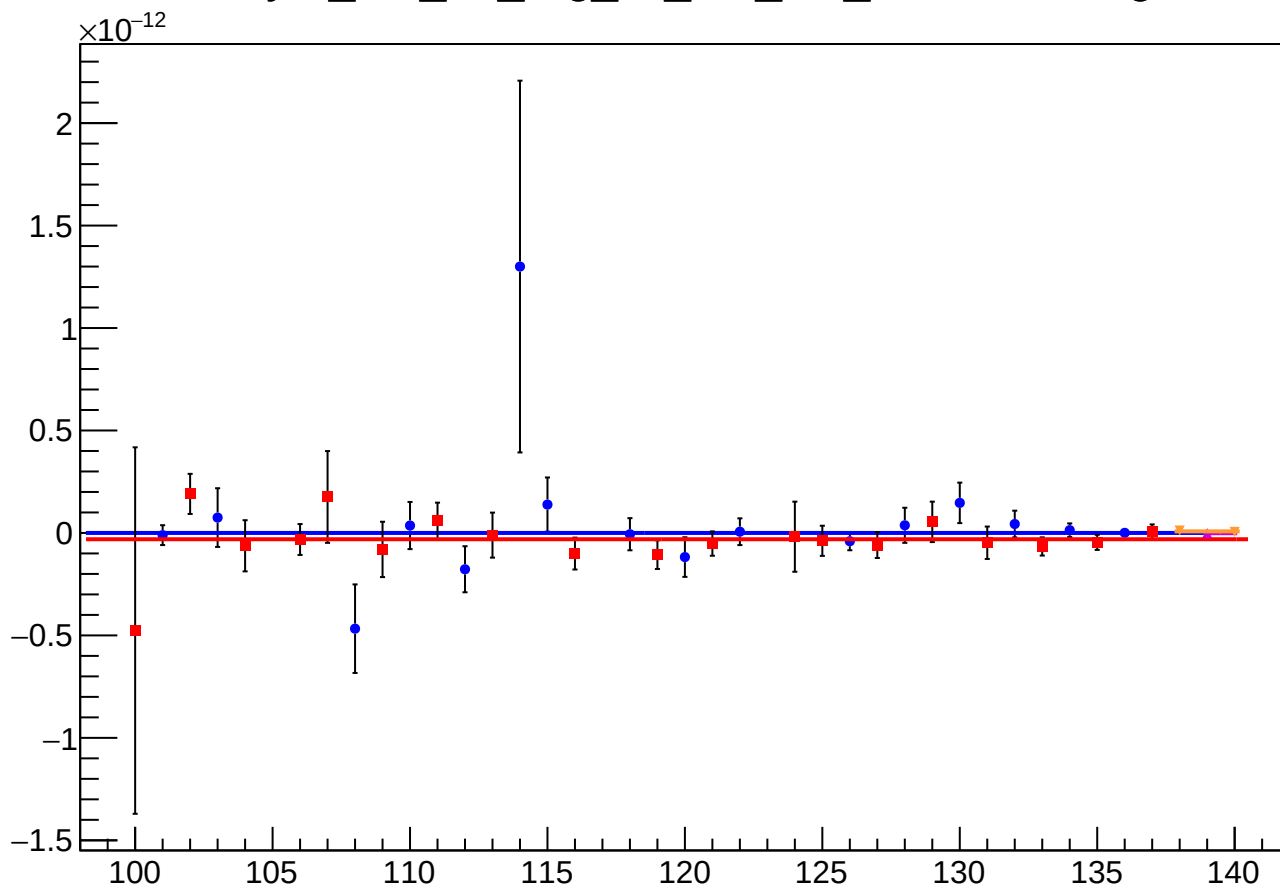
Left In: 1870.434+/-1.437 χ^2/NDF : 0.0/0

+ sign 2061.062+/-0.503 χ^2/NDF : 929852.6/17

All: 2100.742+/-0.369 χ^2/NDF : 1929248.4/37

- sign 2147.235+/-0.544 χ^2/NDF : 985870.2/19

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.1/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.4/18

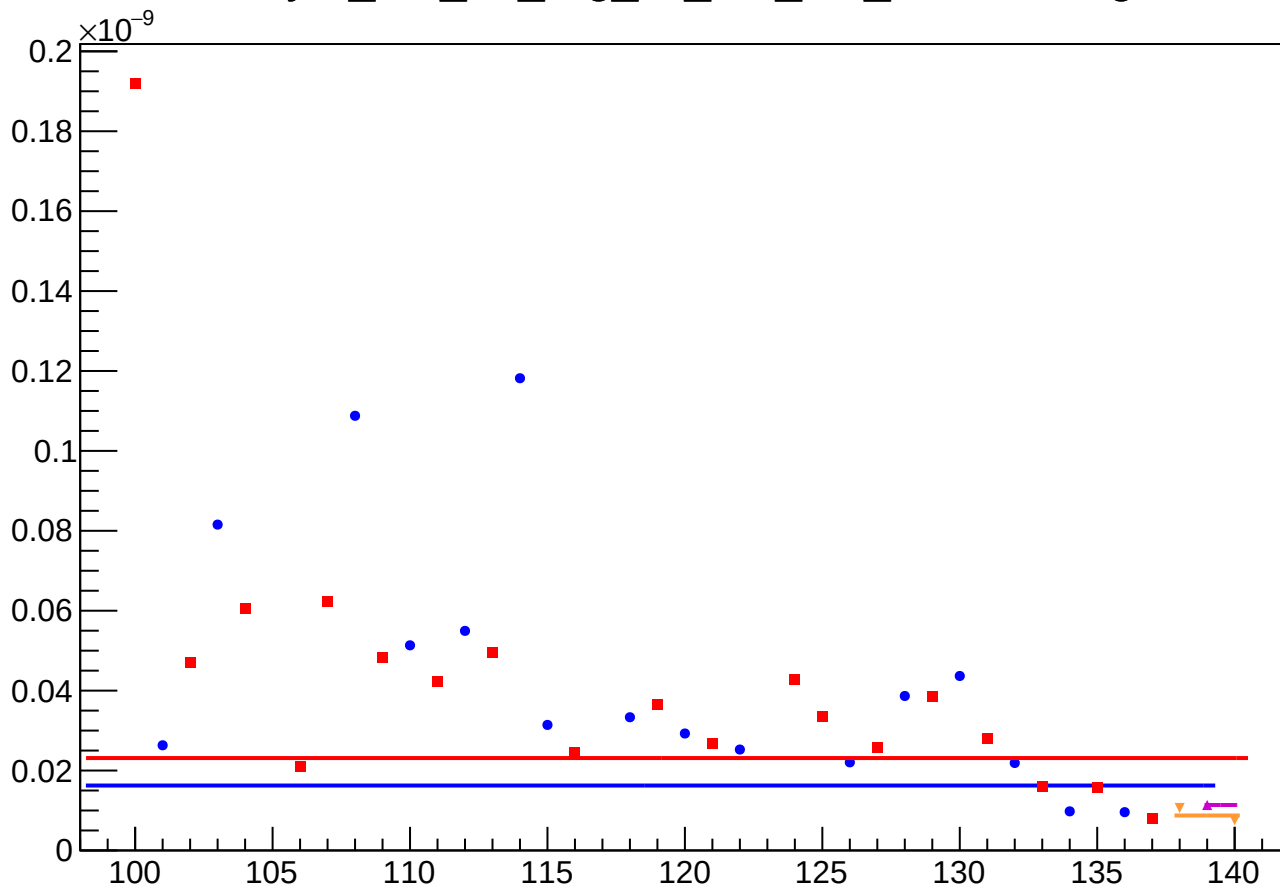
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 16.4/17

All: -0.000 ± 0.000 χ^2/NDF : 32.8/37

- sign -0.000 ± 0.000 χ^2/NDF : 14.0/19

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 : 40332.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 1411720.5/18

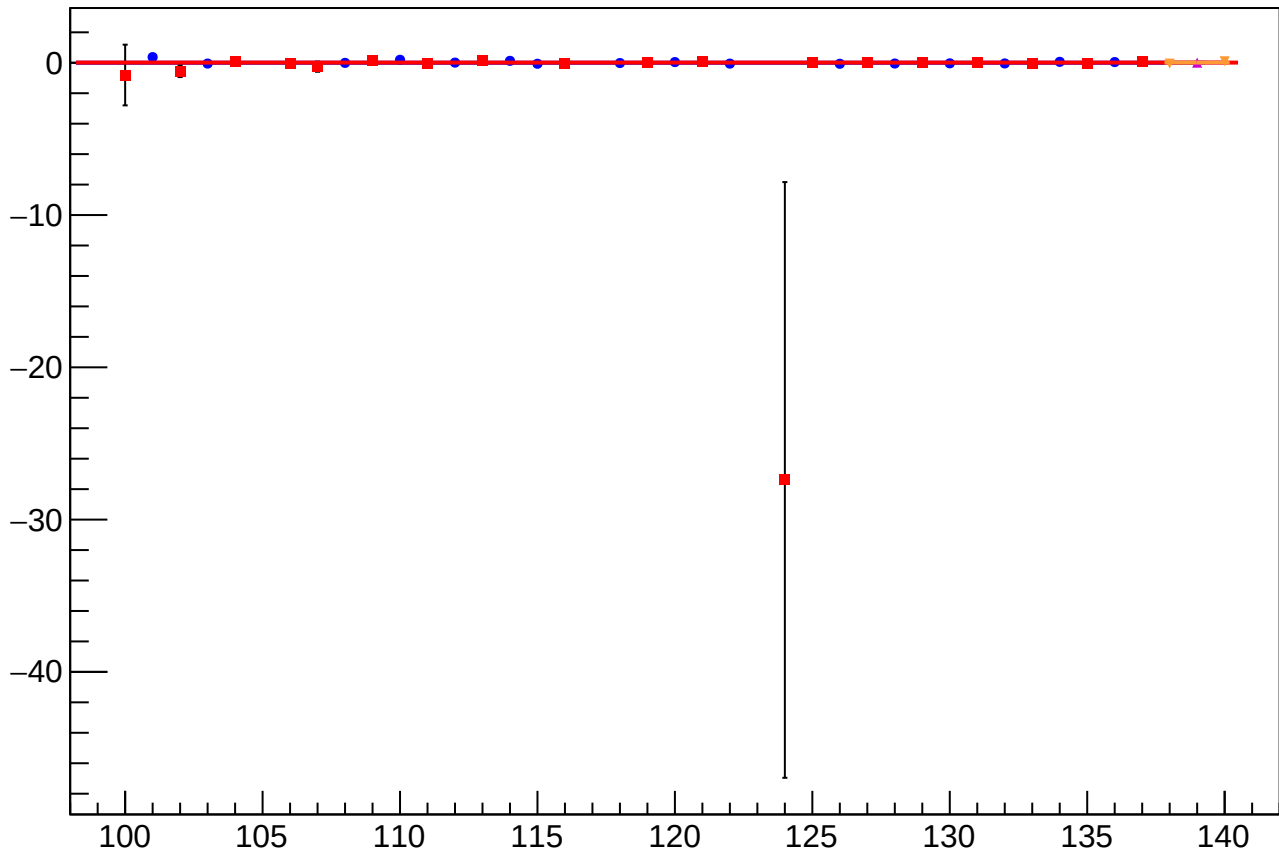
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 2772092.9/17

All: 0.000 ± 0.000 χ^2/NDF : 5018289.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 1898825.4/19

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: 0.014 $\pm$ 0.027 χ^2 /NDF: 8.1/1

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

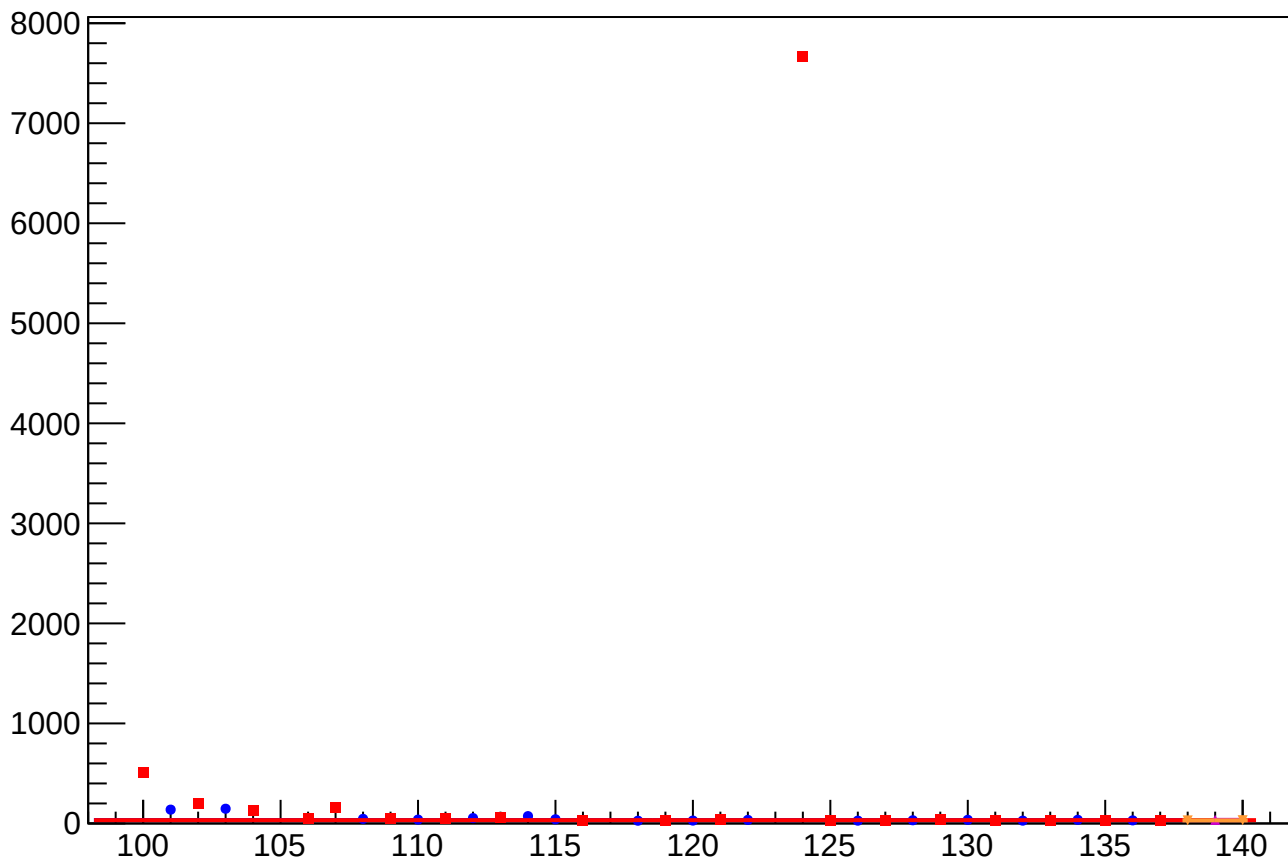
Left In: 0.009 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 43.6/37

- sign 0.011 $\pm$ 0.014 χ^2 /NDF: 14.2/19

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF : 1717266.1/15

Left Out: 31.153+/-0.019 χ^2/NDF : 2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF : 2075124.6/18

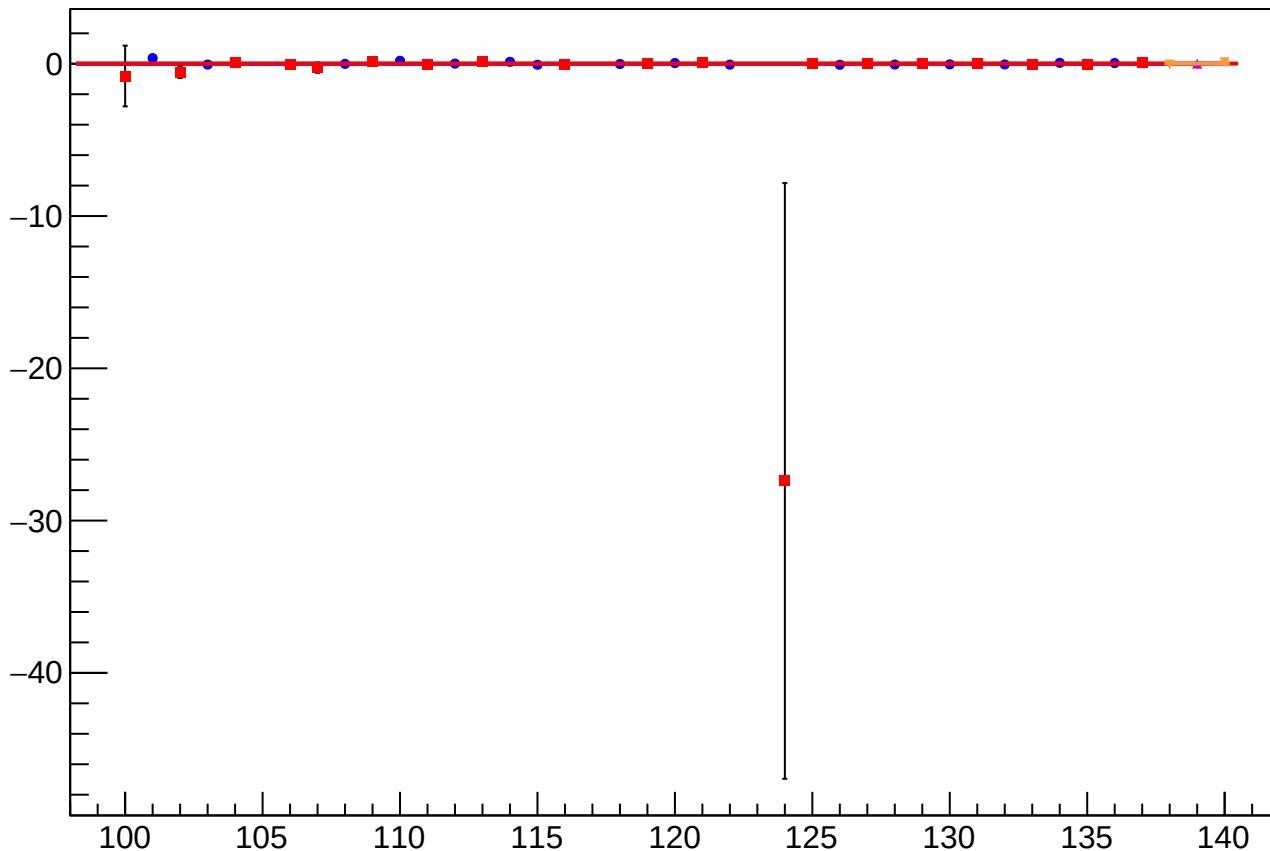
Left In: 35.965+/-0.029 χ^2/NDF : 0.0/0

+ sign 33.380+/-0.009 χ^2/NDF : 1737700.3/17

All: 33.396+/-0.007 χ^2/NDF : 3821481.4/37

- sign 33.415+/-0.010 χ^2/NDF : 2083774.4/19

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: 0.014 $\pm$ 0.027 χ^2 /NDF: 8.1/1

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

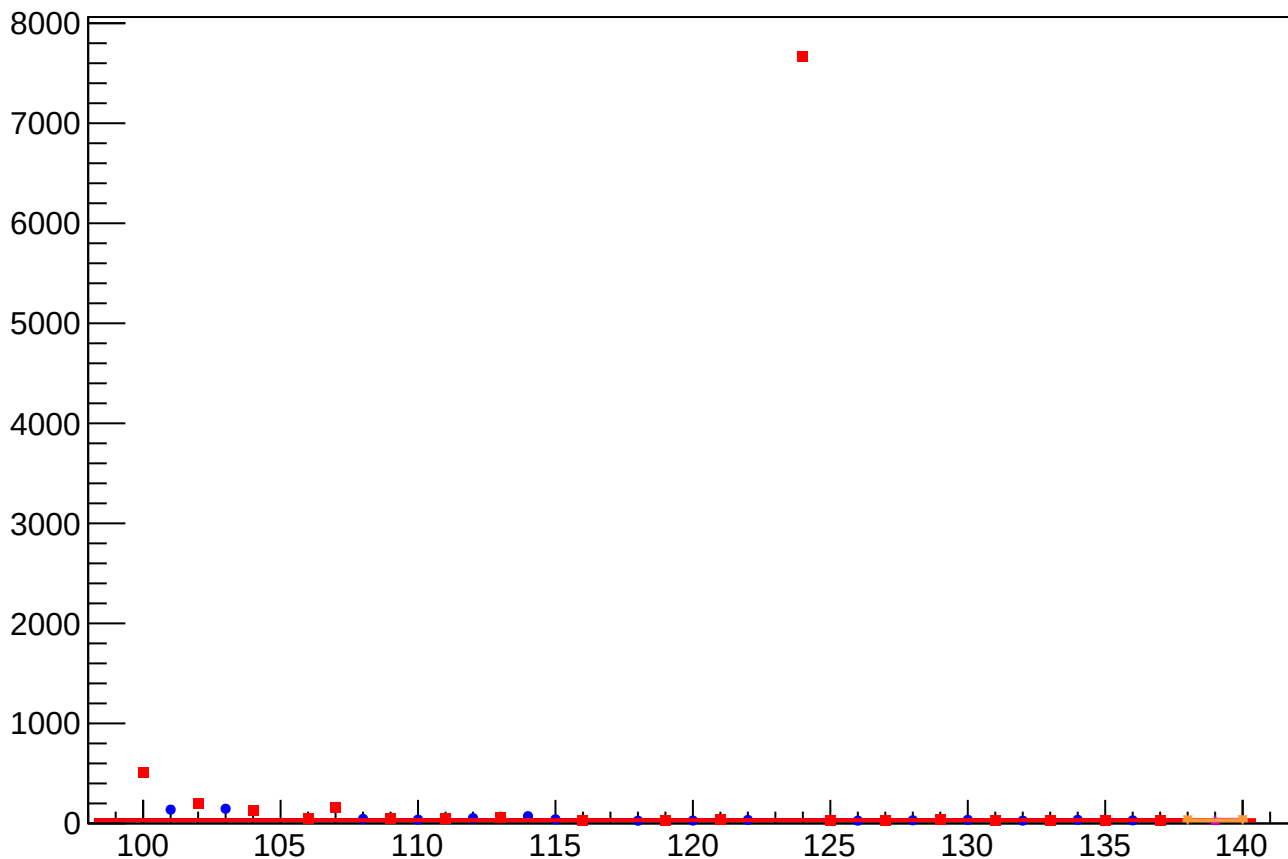
Left In: 0.009 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 43.6/37

- sign 0.011 $\pm$ 0.014 χ^2 /NDF: 14.2/19

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: 31.153+/-0.019 χ^2/NDF : 2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF : 2075124.6/18

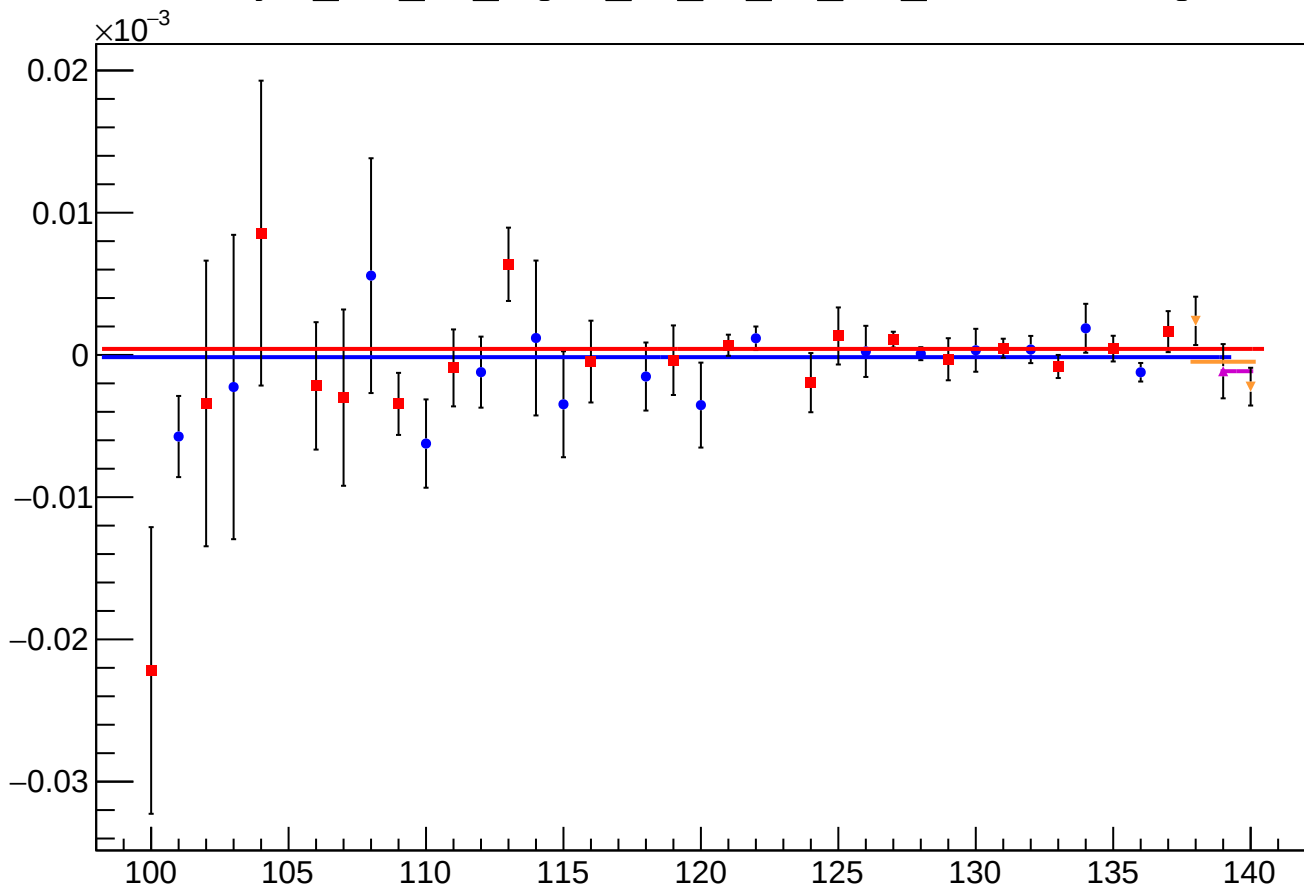
Left In: 35.965+/-0.029 χ^2/NDF : 0.0/0

+ sign 33.380+/-0.009 χ^2/NDF : 1737700.3/17

All: 33.396+/-0.007 χ^2/NDF : 3821481.4/37

- sign 33.415+/-0.010 χ^2/NDF : 2083774.4/19

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 4.6/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 21.6/18

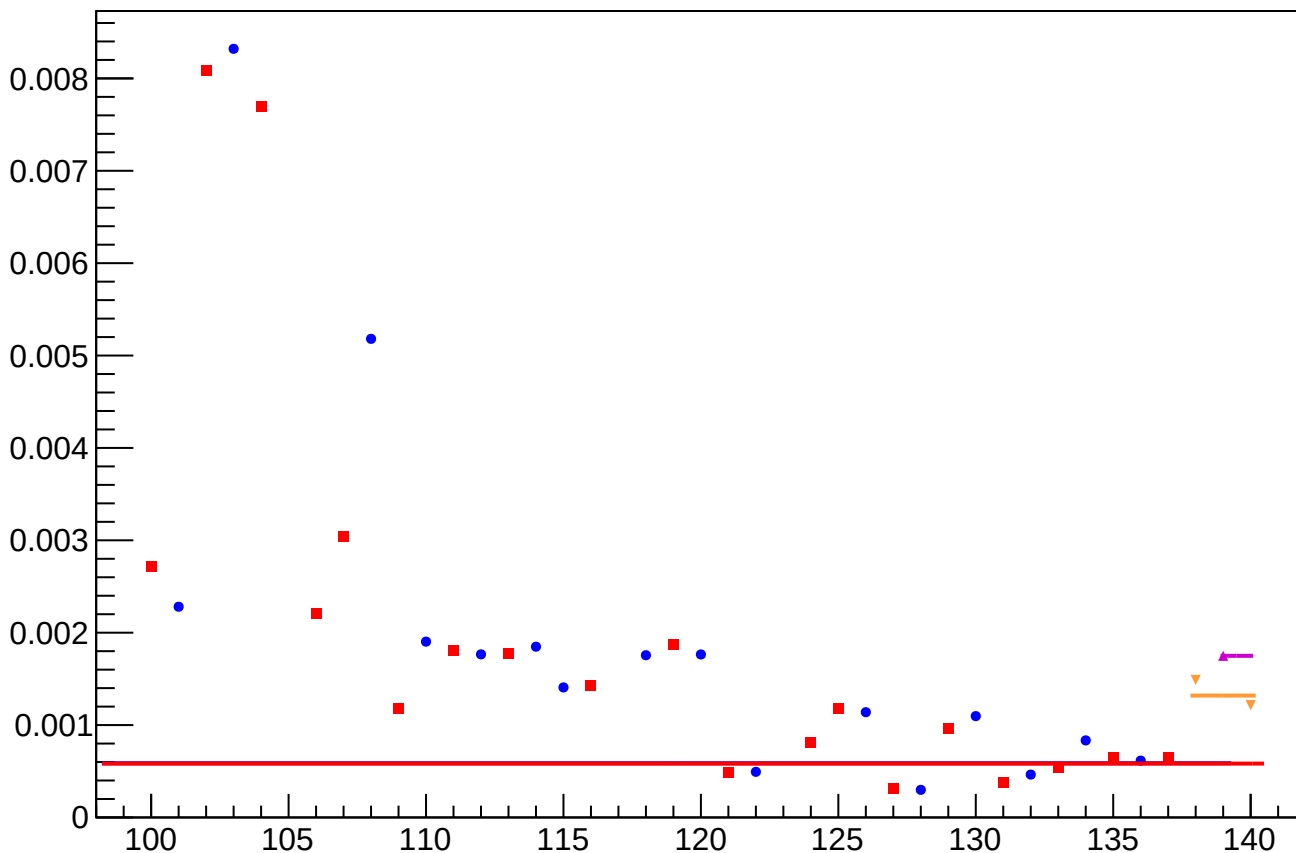
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 22.9/17

All: 0.000+/-0.000 χ^2 /NDF: 47.1/37

- sign 0.000+/-0.000 χ^2 /NDF: 22.2/19

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF : 32211.7/1

Right Out: 0.001+/-0.000 χ^2/NDF : 5431787.1/18

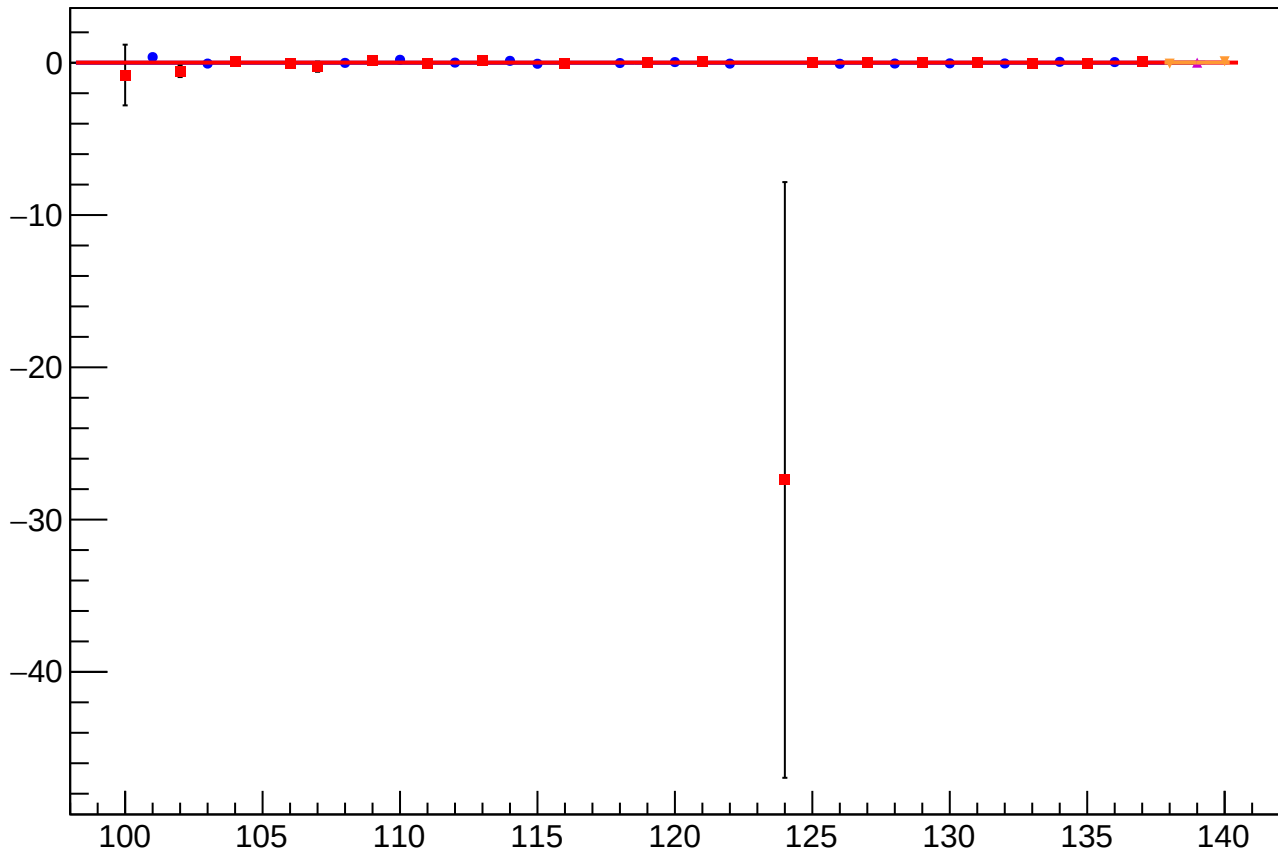
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 6427798.4/17

All: 0.001+/-0.000 χ^2/NDF : 12604118.2/37

- sign 0.001+/-0.000 χ^2/NDF : 6163797.2/19

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: 0.014 $\pm$ 0.027 χ^2 /NDF: 8.1/1

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

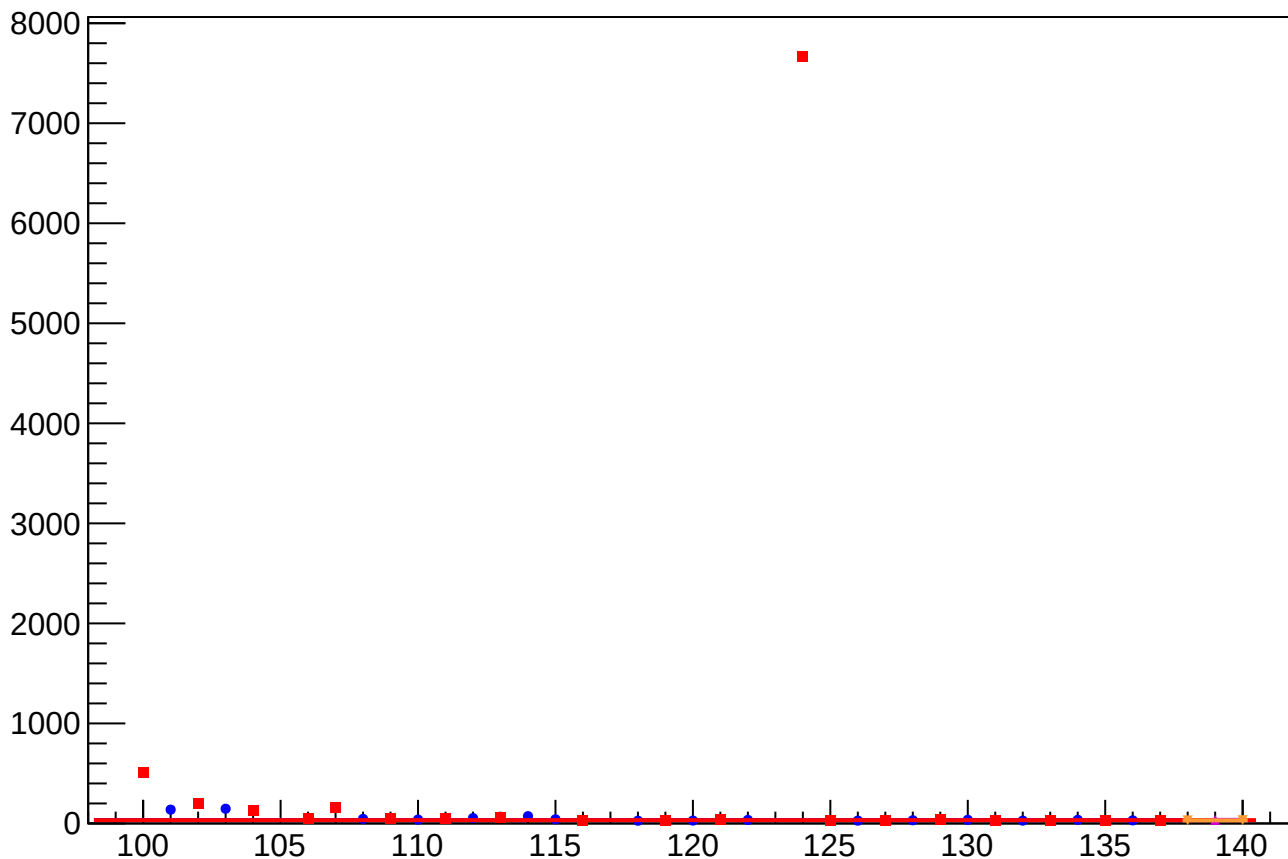
Left In: 0.009 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 43.6/37

- sign 0.011 $\pm$ 0.014 χ^2 /NDF: 14.2/19

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: 31.152+/-0.019 χ^2/NDF : 2434.3/1

Right Out: 33.083+/-0.011 χ^2/NDF : 2075105.8/18

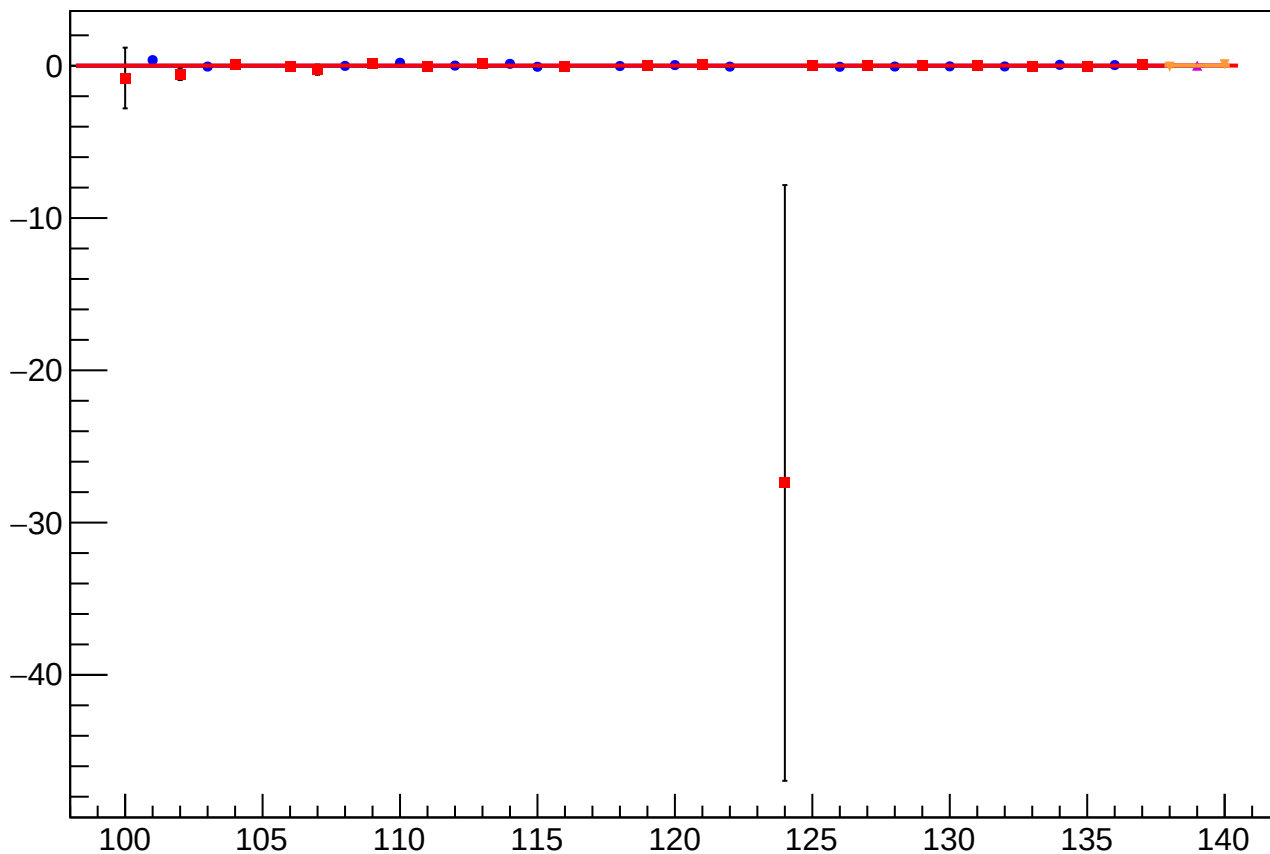
Left In: 35.965+/-0.029 χ^2/NDF : 0.0/0

+ sign 33.380+/-0.009 χ^2/NDF : 1737695.0/17

All: 33.396+/-0.007 χ^2/NDF : 3821458.3/37

- sign 33.415+/-0.010 χ^2/NDF : 2083756.7/19

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: 0.014 $\pm$ 0.027 χ^2 /NDF: 8.1/1

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

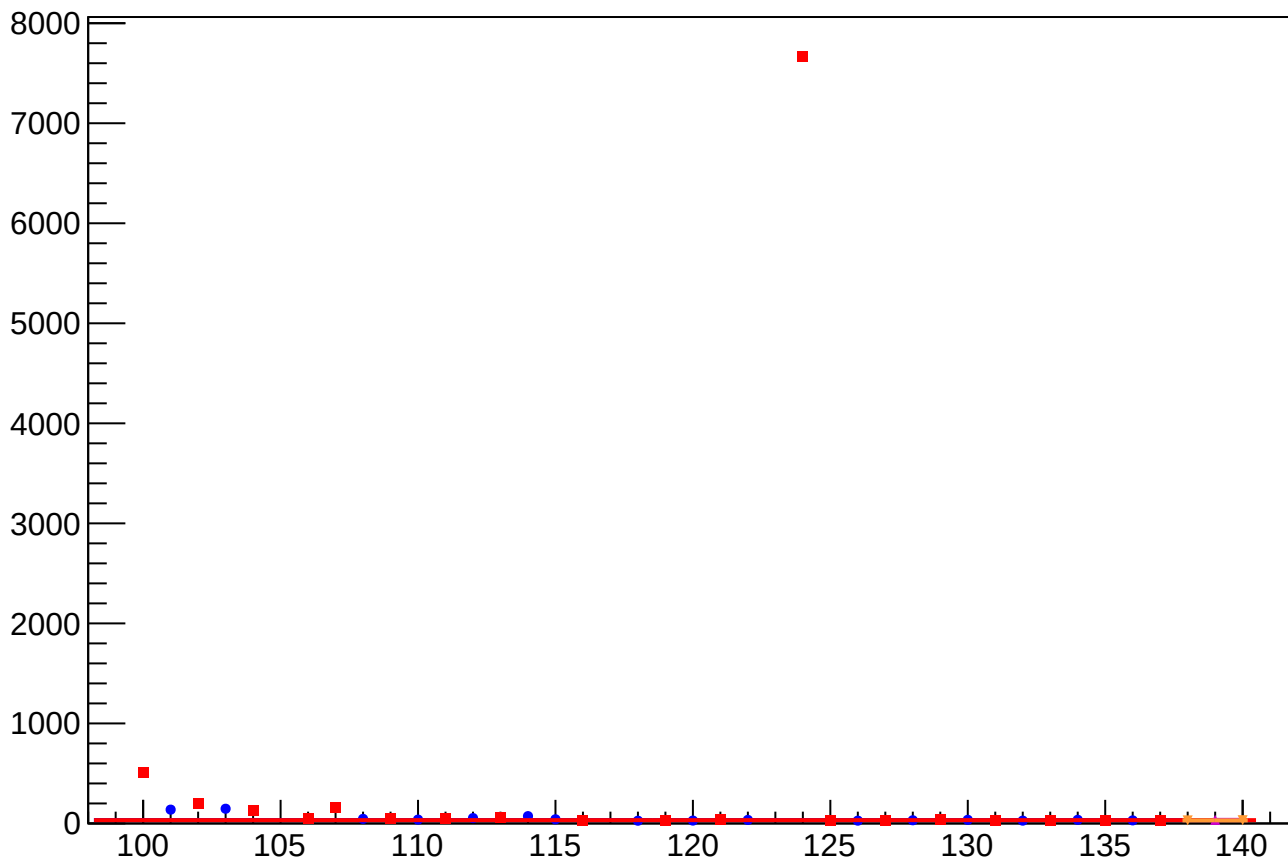
Left In: 0.009 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 43.6/37

- sign 0.011 $\pm$ 0.014 χ^2 /NDF: 14.2/19

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055 $\pm$ 0.010 χ^2 /NDF: 1717254.5/15

Left Out: 31.152 $\pm$ 0.019 χ^2 /NDF: 2434.3/1

Right Out: 33.083 $\pm$ 0.011 χ^2 /NDF: 2075105.8/18

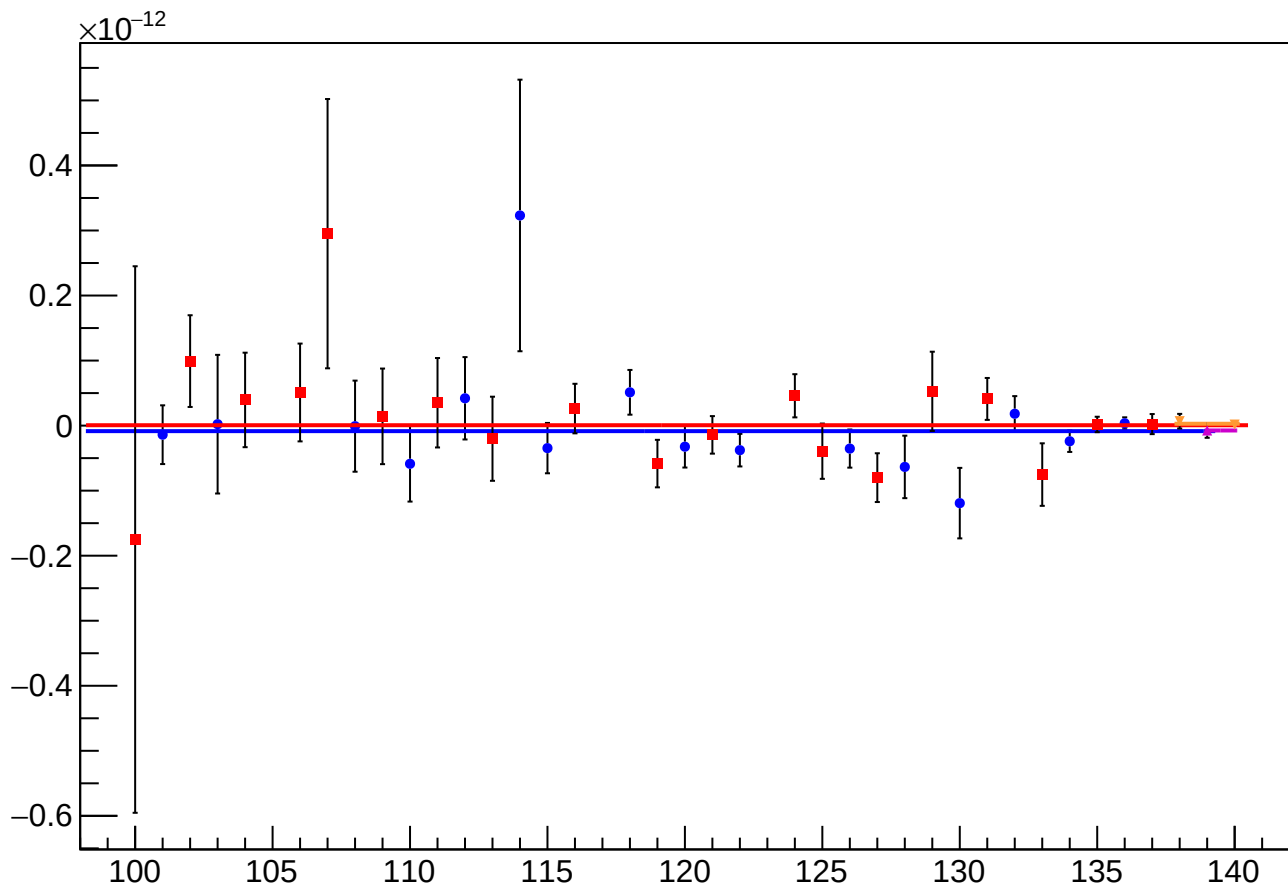
Left In: 35.965 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 33.380 $\pm$ 0.009 χ^2 /NDF: 1737695.0/17

All: 33.396 $\pm$ 0.007 χ^2 /NDF: 3821458.3/37

- sign 33.415 $\pm$ 0.010 χ^2 /NDF: 2083756.7/19

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.8/18

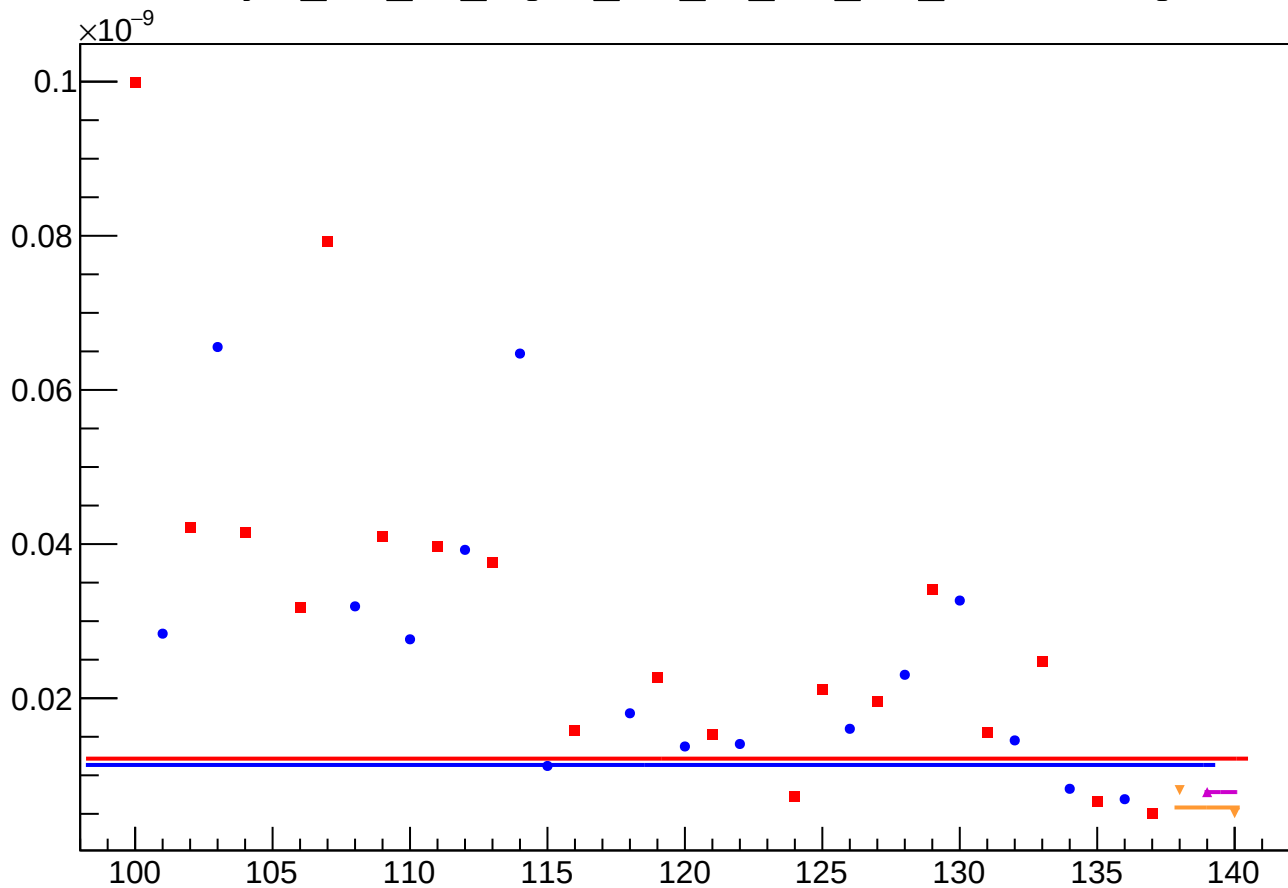
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 21.2/17

All: -0.000 ± 0.000 χ^2/NDF : 42.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 21.2/19

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2813598.7/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 106627.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 3757412.0/18

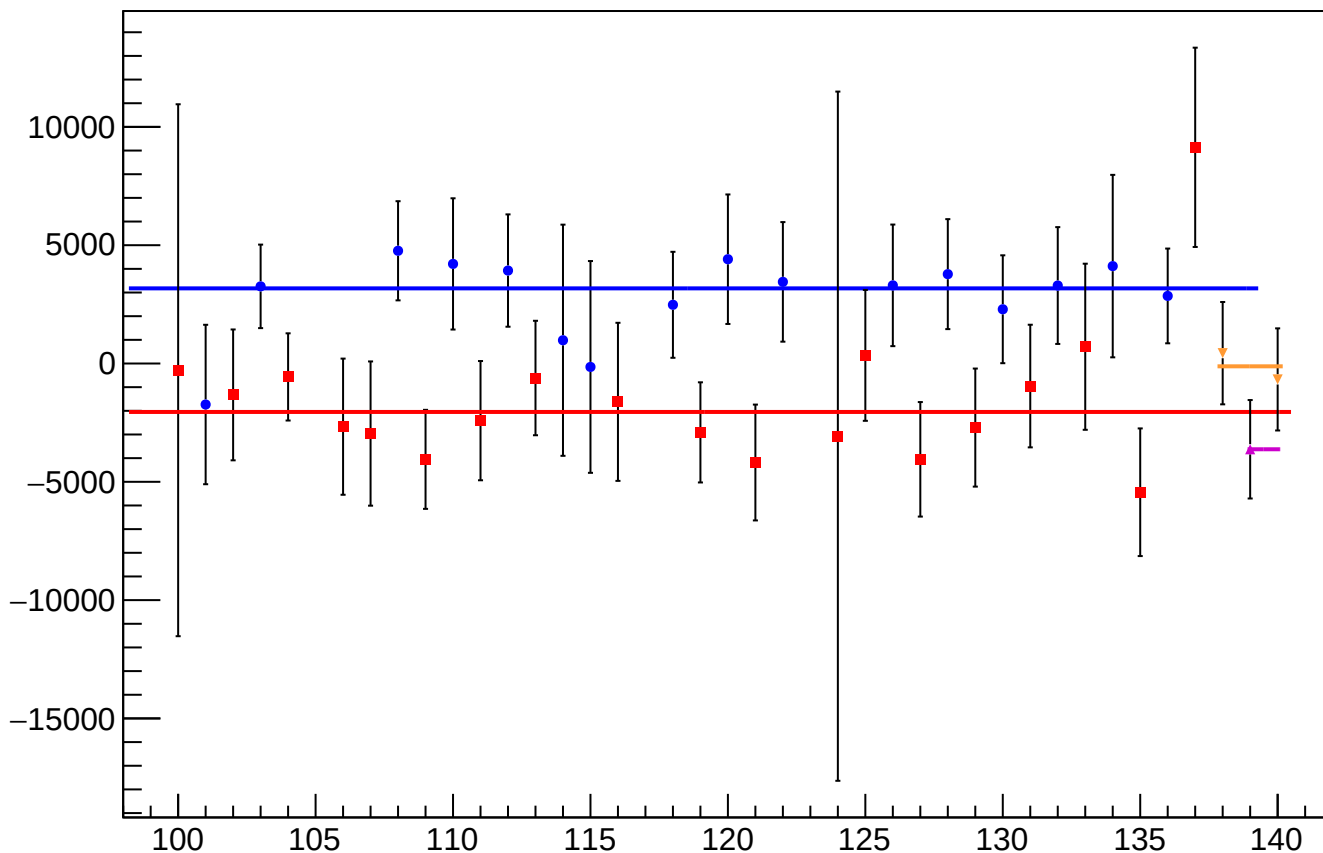
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 3762926.5/17

All: 0.000 ± 0.000 χ^2/NDF : 7991091.7/37

- sign 0.000 ± 0.000 χ^2/NDF : 3968005.0/19

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF : 4.3/15

Left Out: -118.874+/-1527.614 χ^2/NDF : 0.1/1

Right Out: -2047.403+/-621.498 χ^2/NDF : 14.0/18

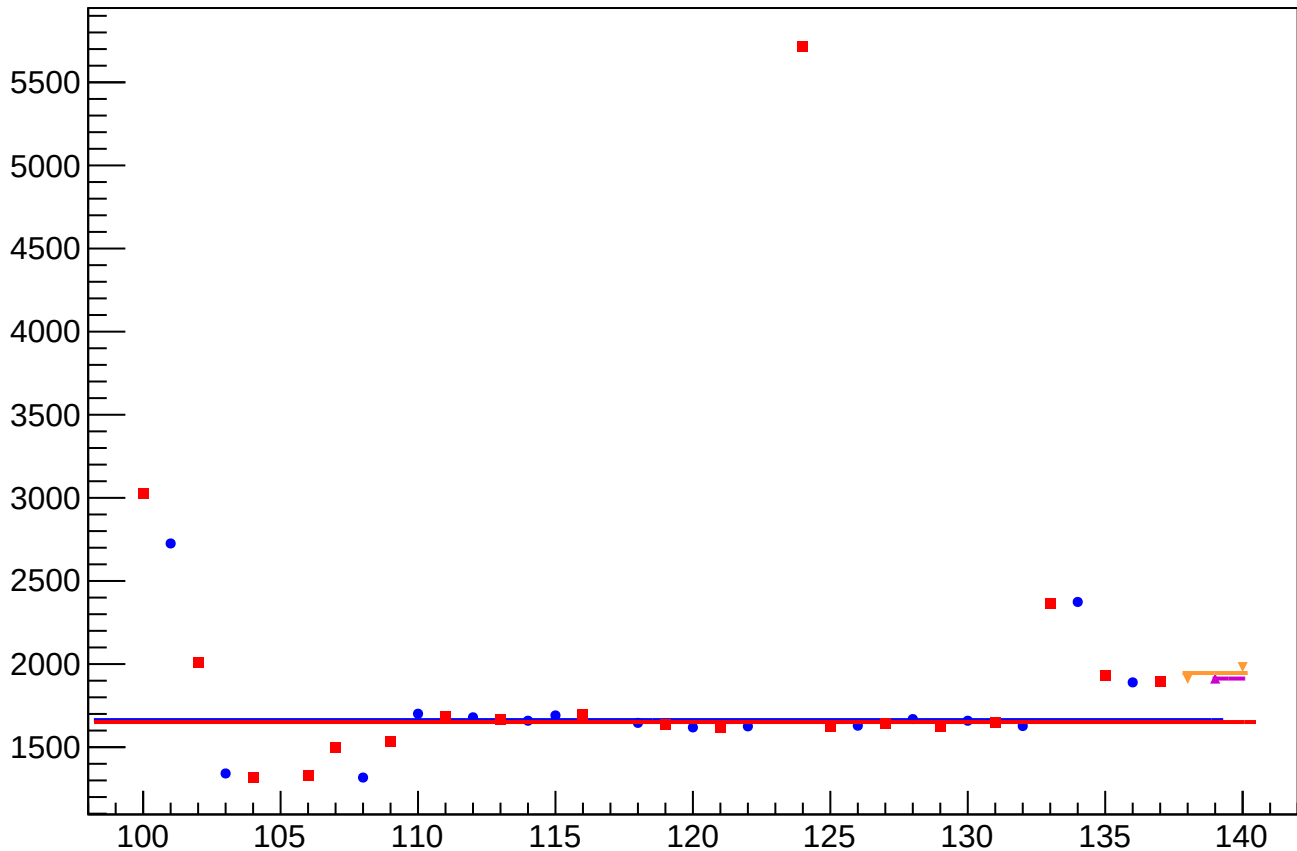
Left In: -3624.640+/-2080.600 χ^2/NDF : 0.0/0

+ sign 2699.329+/-580.827 χ^2/NDF : 8.4/17

All: 322.161+/-415.797 χ^2/NDF : 57.3/37

- sign -2176.609+/-595.498 χ^2/NDF : 14.6/19

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901 $\pm$ 0.444 χ^2 /NDF: 415630.7/15

Left Out: 1946.135 $\pm$ 1.080 χ^2 /NDF:1080.6/1

Right Out: 1651.322 $\pm$ 0.439 χ^2 /NDF: 431965.1/18

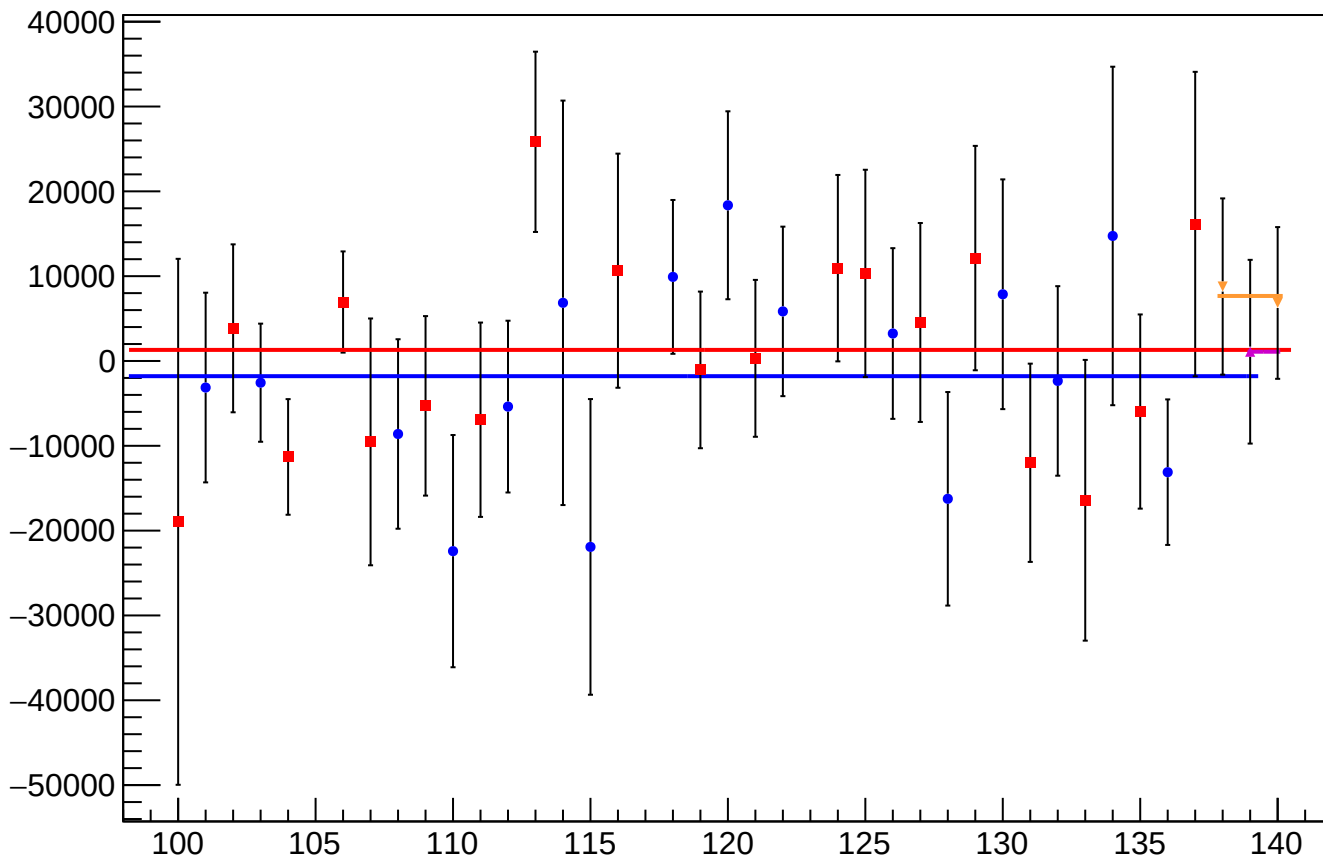
Left In: 1912.909 $\pm$ 1.471 χ^2 /NDF:0.0/0

+ sign 1703.847 $\pm$ 0.411 χ^2 /NDF: 475525.1/17

All: 1688.687 $\pm$ 0.294 χ^2 /NDF: 939309.8/37

- sign 1672.751 $\pm$ 0.421 χ^2 /NDF: 460989.8/19

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030 $\pm$ 2743.617 χ^2 /NDF: 14.3/15

Left Out: 7665.554 $\pm$ 6778.310 χ^2 /NDF: 0.0/1

Right Out: 1306.311 $\pm$ 2430.063 χ^2 /NDF: 17.7/18

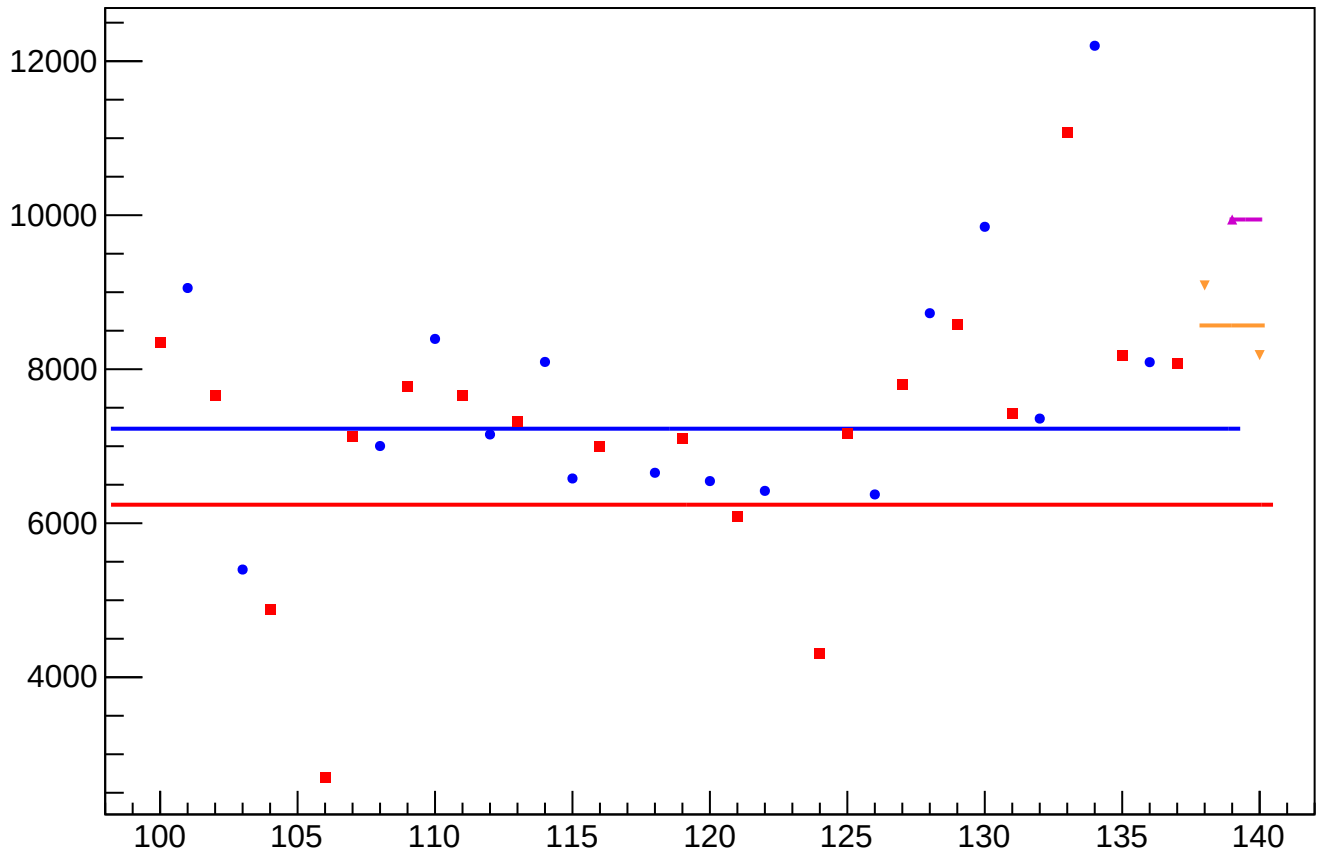
Left In: 1092.838 $\pm$ 10830.555 χ^2 /NDF: 0.0/0

+ sign -459.818 $\pm$ 2543.185 χ^2 /NDF: 16.0/17

All: 479.538 $\pm$ 1734.274 χ^2 /NDF: 34.0/37

- sign 1296.080 $\pm$ 2371.113 χ^2 /NDF: 17.7/19

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF : 503260.9/15

Left Out: 8568.385+/-4.793 χ^2/NDF : 8708.5/1

Right Out: 6240.557+/-1.718 χ^2/NDF : 1399077.4/18

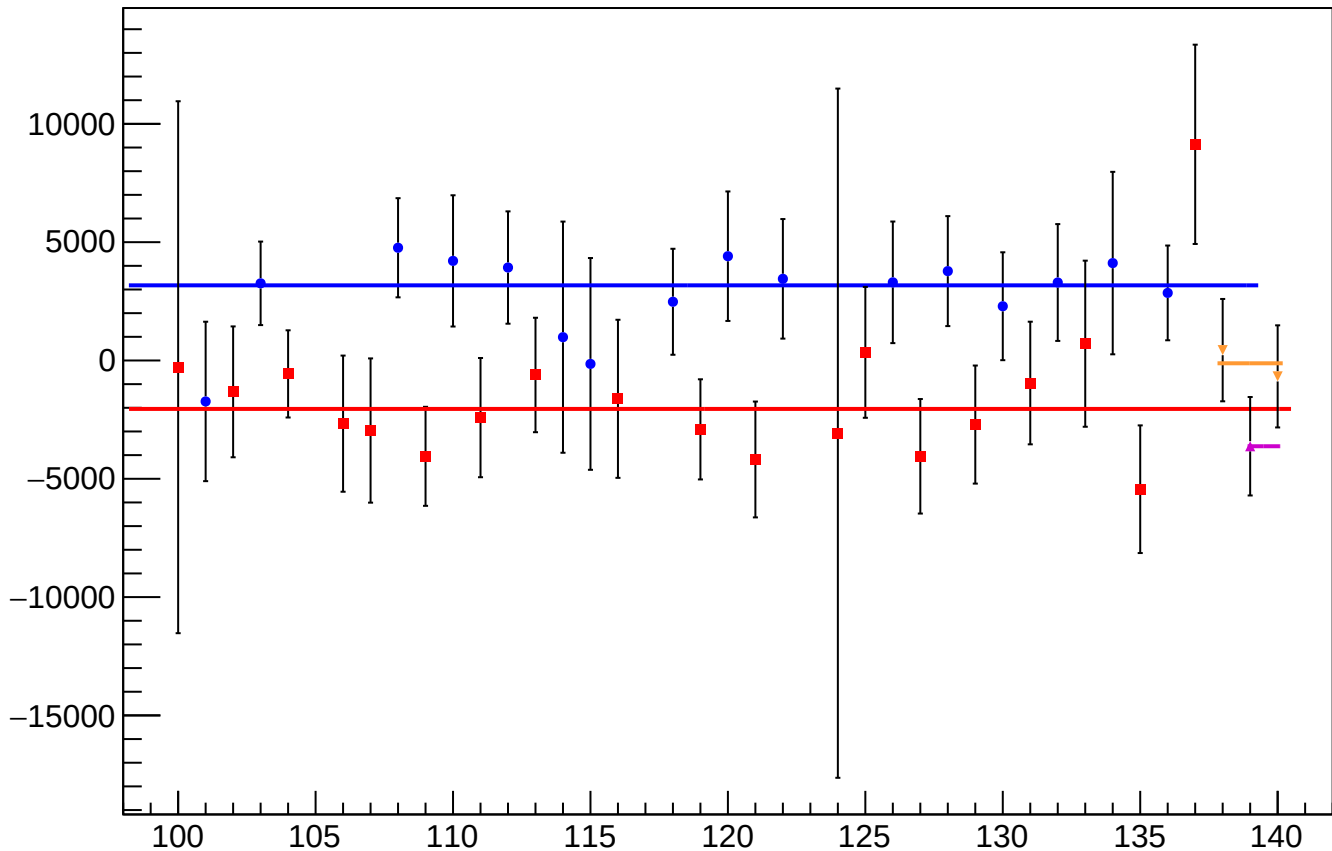
Left In: 9944.196+/-7.658 χ^2/NDF : 0.0/0

+ sign 7416.335+/-1.798 χ^2/NDF : 579208.3/17

All: 6882.292+/-1.226 χ^2/NDF : 2365805.1/37

- sign 6418.071+/-1.677 χ^2/NDF : 1621744.0/19

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689 ± 627.992 $\chi^2/\text{NDF}: 4.3/15$

Left Out: -118.698 ± 1527.614 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -2047.209 ± 621.498 $\chi^2/\text{NDF}: 14.0/18$

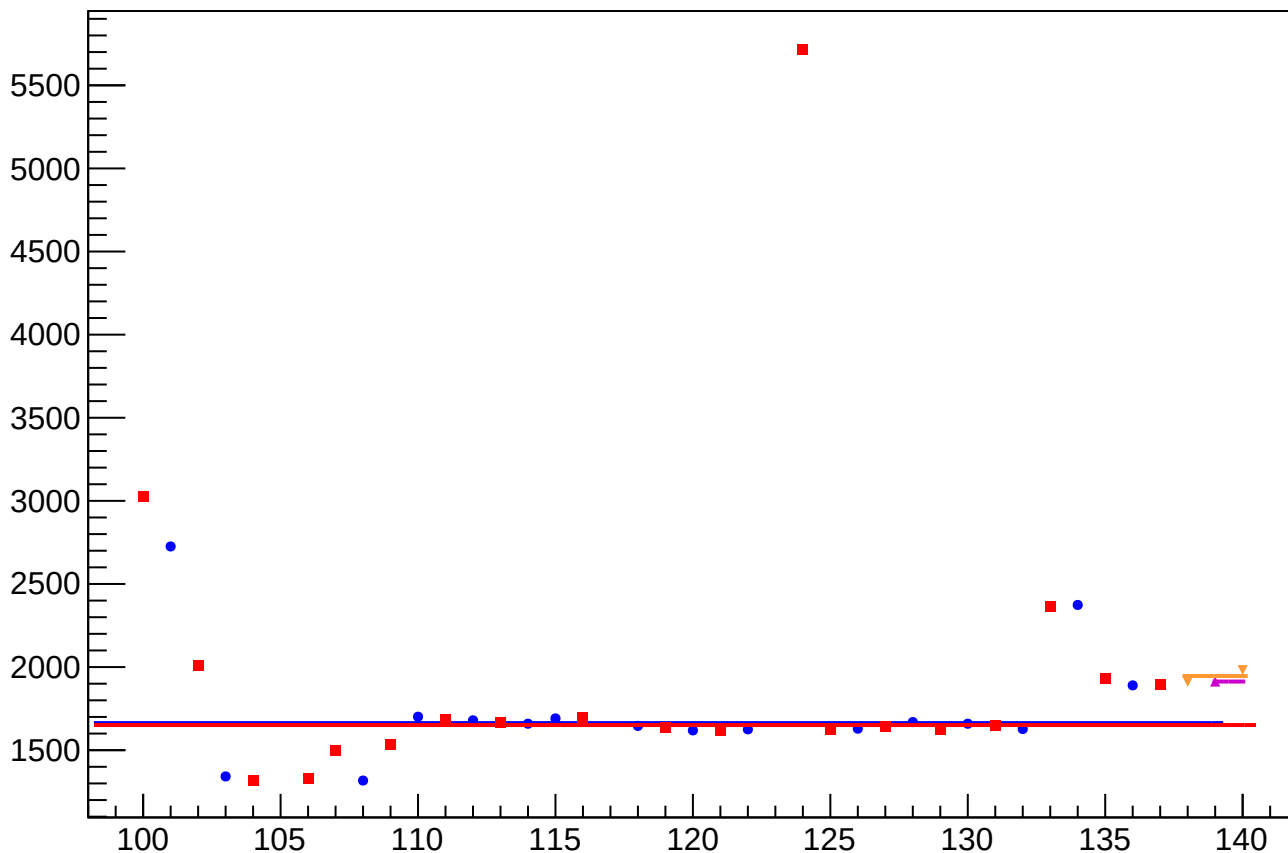
Left In: -3624.646 ± 2080.600 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2699.431 ± 580.828 $\chi^2/\text{NDF}: 8.4/17$

All: 322.300 ± 415.797 $\chi^2/\text{NDF}: 57.3/37$

- sign -2176.430 ± 595.498 $\chi^2/\text{NDF}: 14.6/19$

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF :1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

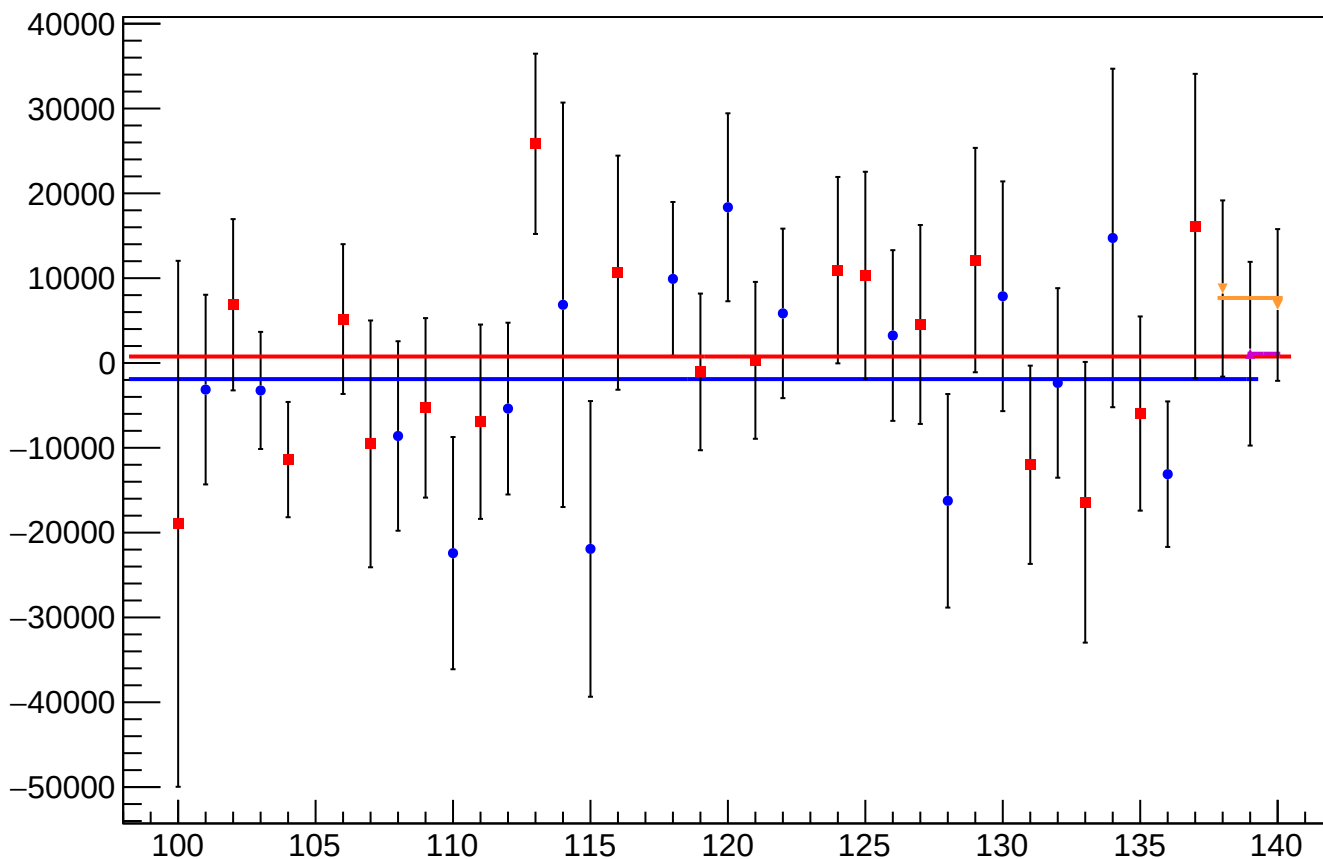
Left In: 1912.909+/-1.471 χ^2/NDF :0.0/0

+ sign 1703.847+/-0.411 χ^2/NDF : 475525.5/17

All: 1688.687+/-0.294 χ^2/NDF : 939310.2/37

- sign 1672.751+/-0.421 χ^2/NDF : 460989.8/19

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125 $\pm$ 2739.954 χ^2 /NDF: 14.4/15

Left Out: 7665.707 $\pm$ 6778.300 χ^2 /NDF: 0.0/1

Right Out: 762.513 $\pm$ 2549.943 χ^2 /NDF: 17.3/18

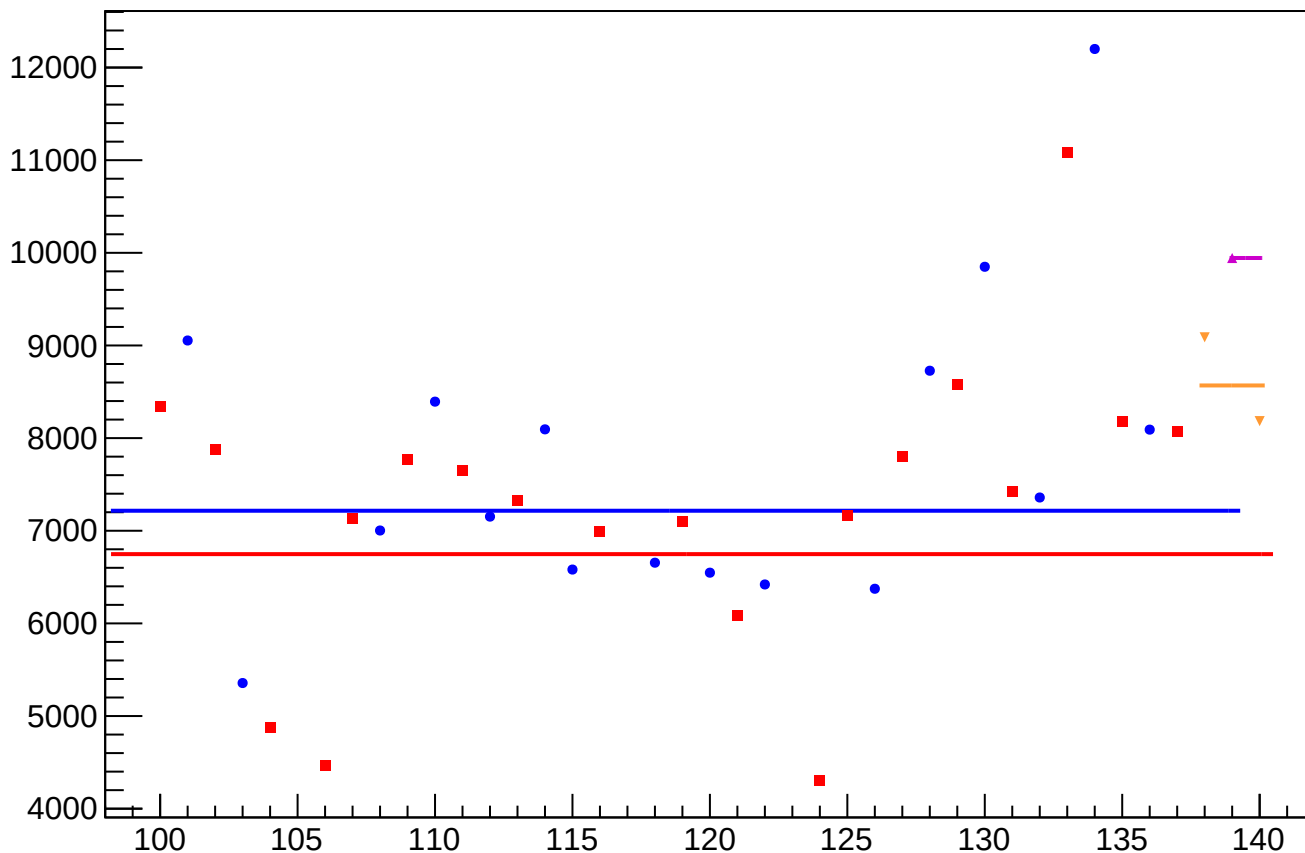
Left In: 1092.778 $\pm$ 10830.548 χ^2 /NDF: 0.0/0

+ sign -556.619 $\pm$ 2540.266 χ^2 /NDF: 16.1/17

All: 127.102 $\pm$ 1775.309 χ^2 /NDF: 33.5/37

- sign 779.858 $\pm$ 2482.078 χ^2 /NDF: 17.3/19

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029 $\pm$ 1.937 χ^2/NDF : 512126.4/15

Left Out: 8568.370 $\pm$ 4.793 χ^2/NDF : 8708.8/1

Right Out: 6747.736 $\pm$ 1.803 χ^2/NDF : 708793.3/18

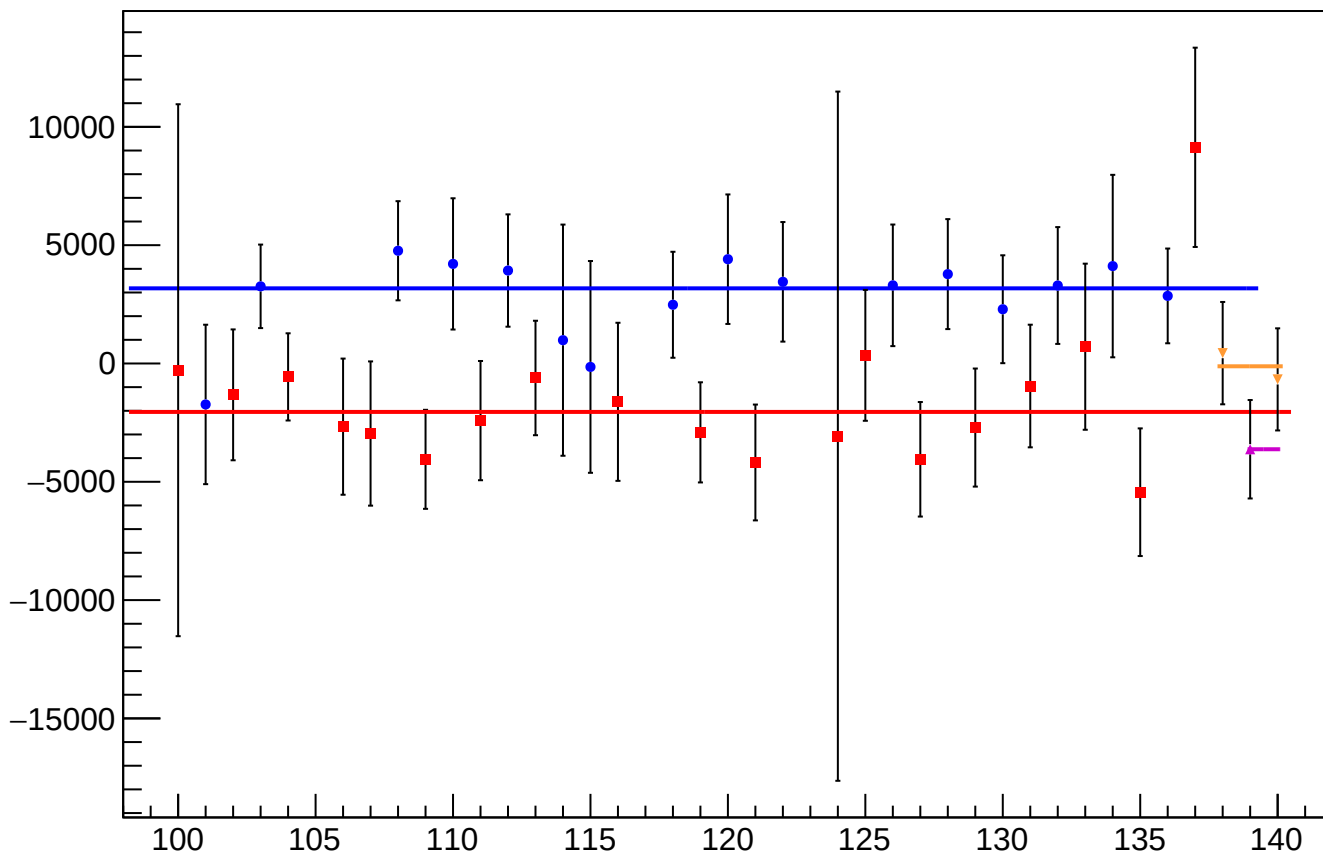
Left In: 9944.190 $\pm$ 7.658 χ^2/NDF : 0.0/0

+ sign 7405.963 $\pm$ 1.796 χ^2/NDF : 589262.9/17

All: 7155.109 $\pm$ 1.255 χ^2/NDF : 1501237.7/37

- sign 6915.616 $\pm$ 1.755 χ^2/NDF : 873851.0/19

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689 $\pm$ 627.992 χ^2 /NDF: 4.3/15

Left Out: -118.698 $\pm$ 1527.614 χ^2 /NDF:0.1/1

Right Out: -2047.209 $\pm$ 621.498 χ^2 /NDF: 14.0/18

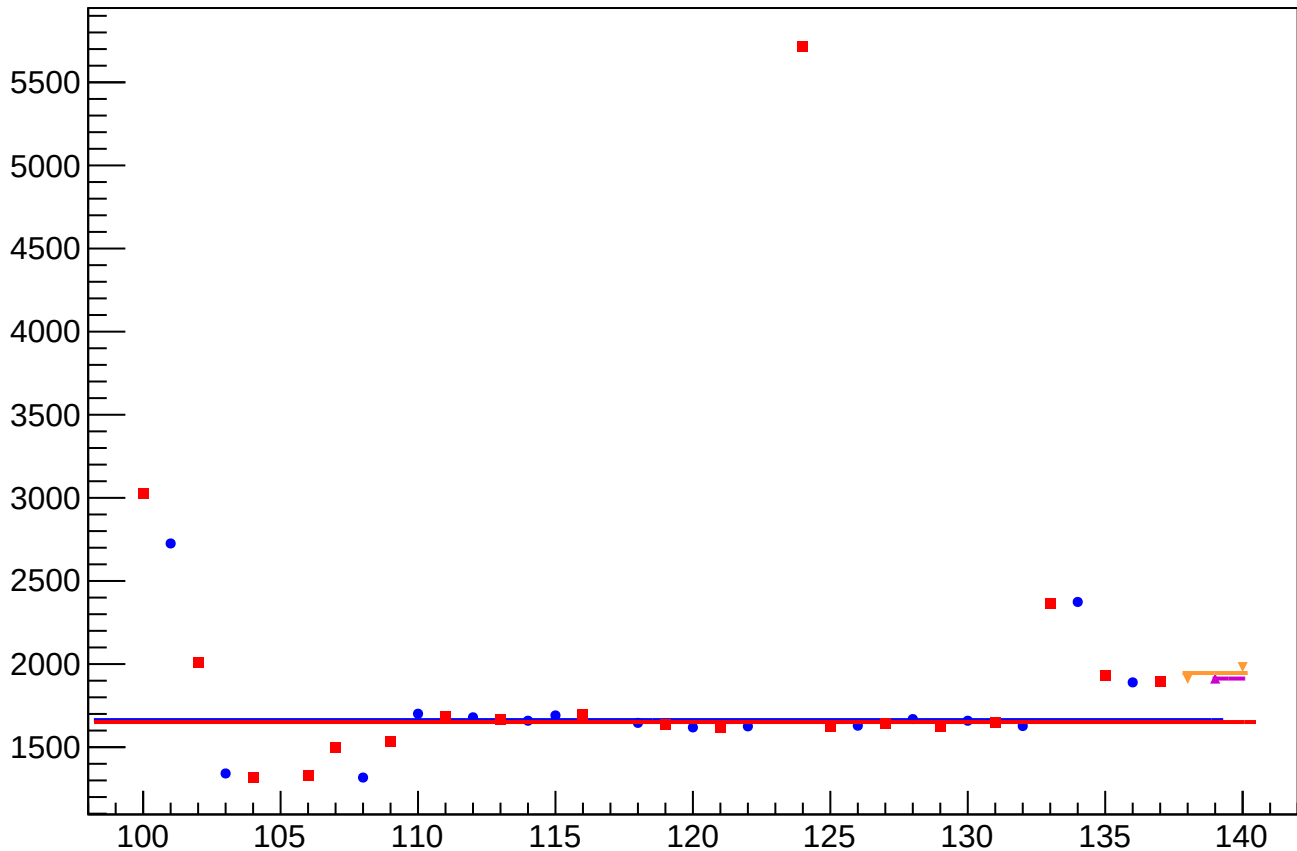
Left In: -3624.646 $\pm$ 2080.600 χ^2 /NDF:0.0/0

+ sign 2699.431 $\pm$ 580.828 χ^2 /NDF: 8.4/17

All: 322.300 $\pm$ 415.797 χ^2 /NDF: 57.3/37

- sign -2176.430 $\pm$ 595.498 χ^2 /NDF: 14.6/19

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF : 1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

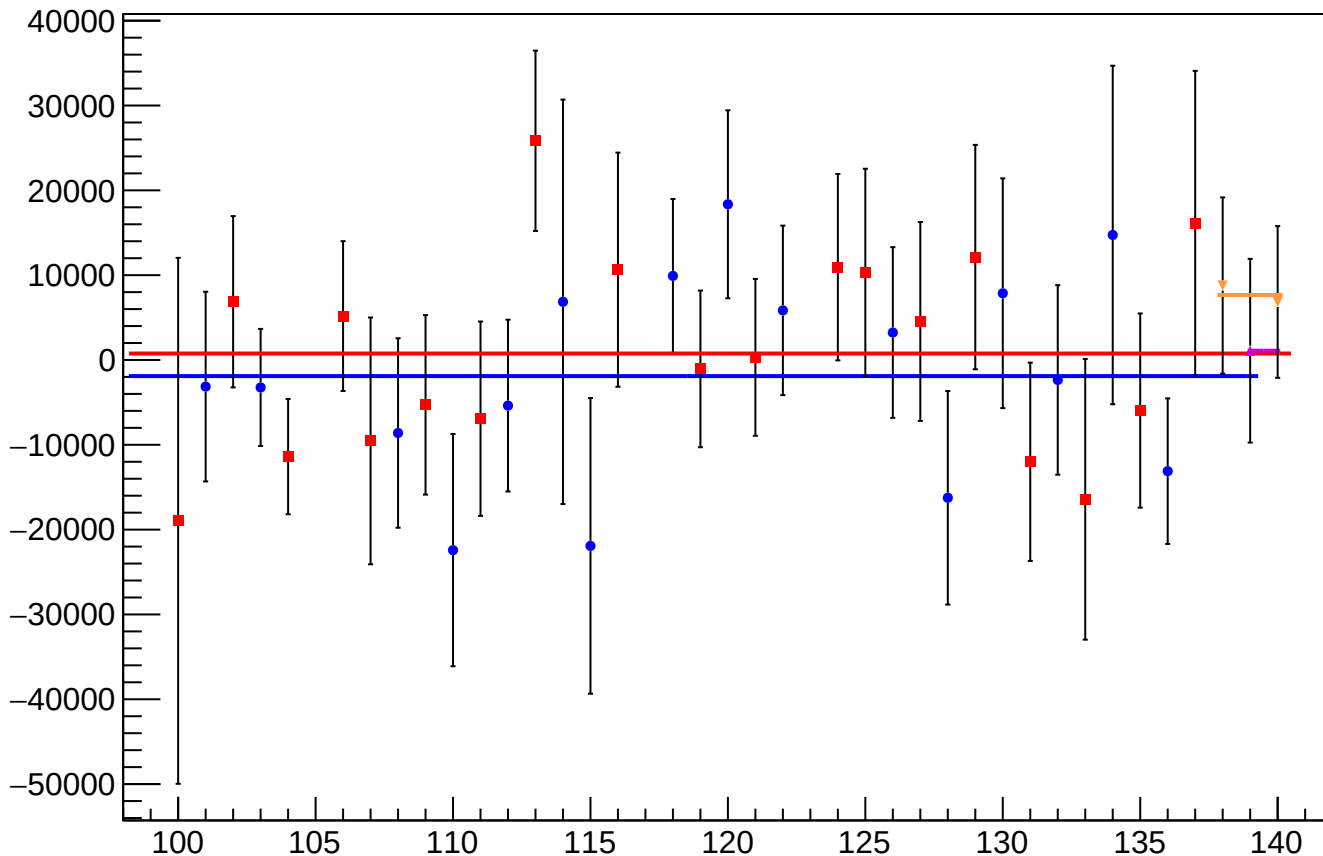
Left In: 1912.909+/-1.471 χ^2/NDF : 0.0/0

+ sign 1703.847+/-0.411 χ^2/NDF : 475525.5/17

All: 1688.687+/-0.294 χ^2/NDF : 939310.2/37

- sign 1672.751+/-0.421 χ^2/NDF : 460989.8/19

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125 $\pm$ 2739.954 χ^2 /NDF: 14.4/15

Left Out: 7665.707 $\pm$ 6778.300 χ^2 /NDF: 0.0/1

Right Out: 762.513 $\pm$ 2549.943 χ^2 /NDF: 17.3/18

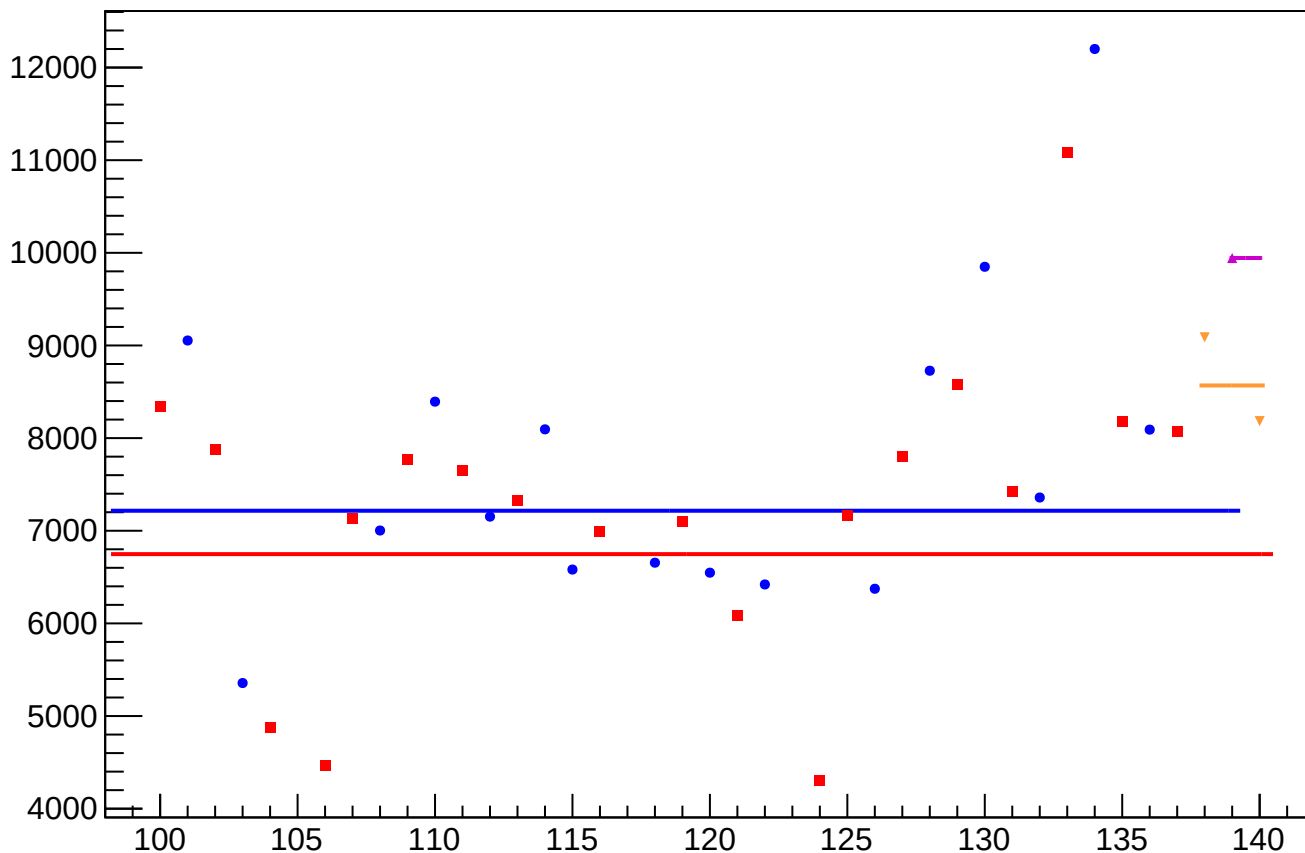
Left In: 1092.778 $\pm$ 10830.548 χ^2 /NDF: 0.0/0

+ sign -556.619 $\pm$ 2540.266 χ^2 /NDF: 16.1/17

All: 127.102 $\pm$ 1775.309 χ^2 /NDF: 33.5/37

- sign 779.858 $\pm$ 2482.078 χ^2 /NDF: 17.3/19

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF : 512126.4/15

Left Out: 8568.370+/-4.793 χ^2/NDF : 8708.8/1

Right Out: 6747.736+/-1.803 χ^2/NDF : 708793.3/18

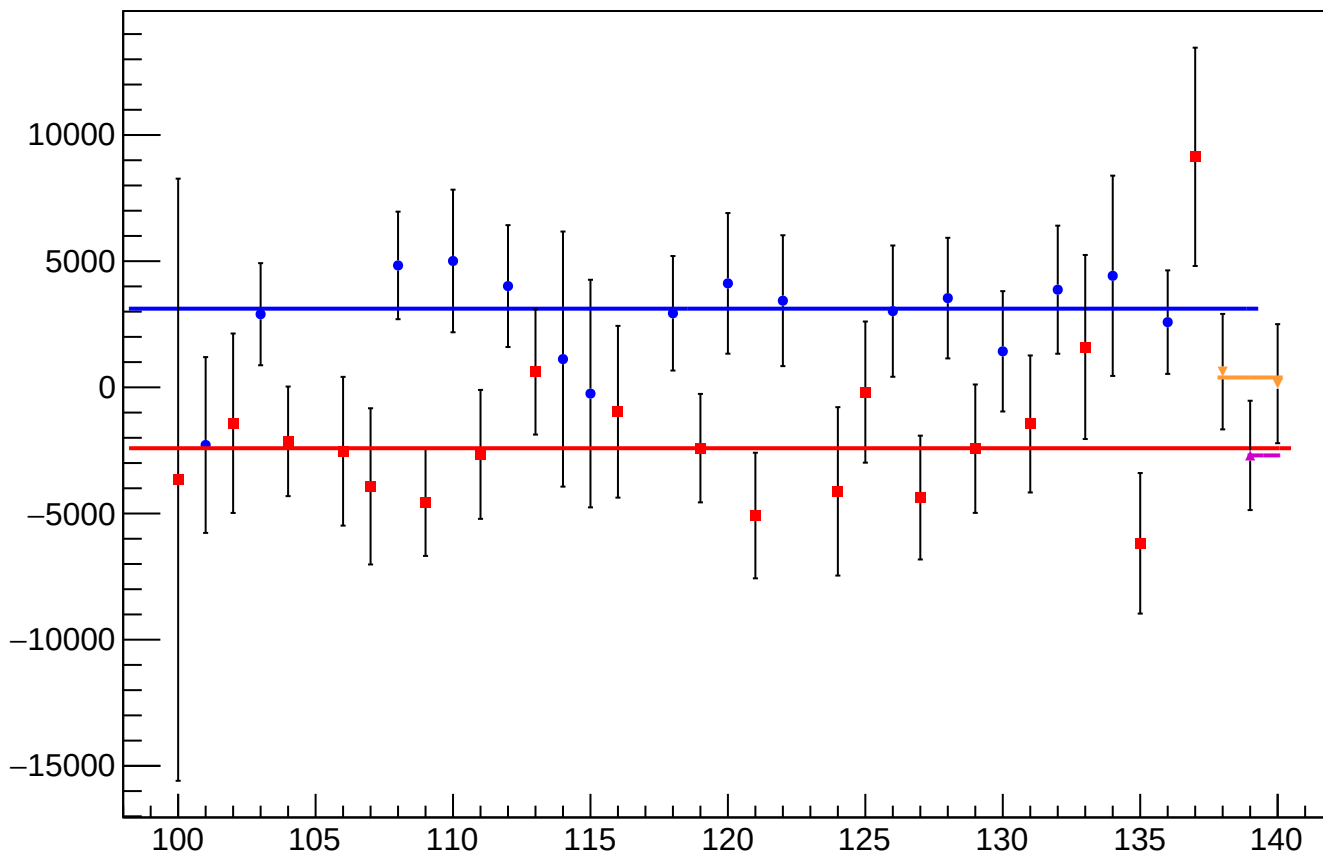
Left In: 9944.190+/-7.658 χ^2/NDF : 0.0/0

+ sign 7405.963+/-1.796 χ^2/NDF : 589262.9/17

All: 7155.109+/-1.255 χ^2/NDF : 1501237.7/37

- sign 6915.616+/-1.755 χ^2/NDF : 873851.0/19

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878 ± 651.119 χ^2/NDF : 5.3/15

Left Out: 390.970 ± 1642.466 χ^2/NDF : 0.0/1

Right Out: -2412.473 ± 639.018 χ^2/NDF : 16.0/18

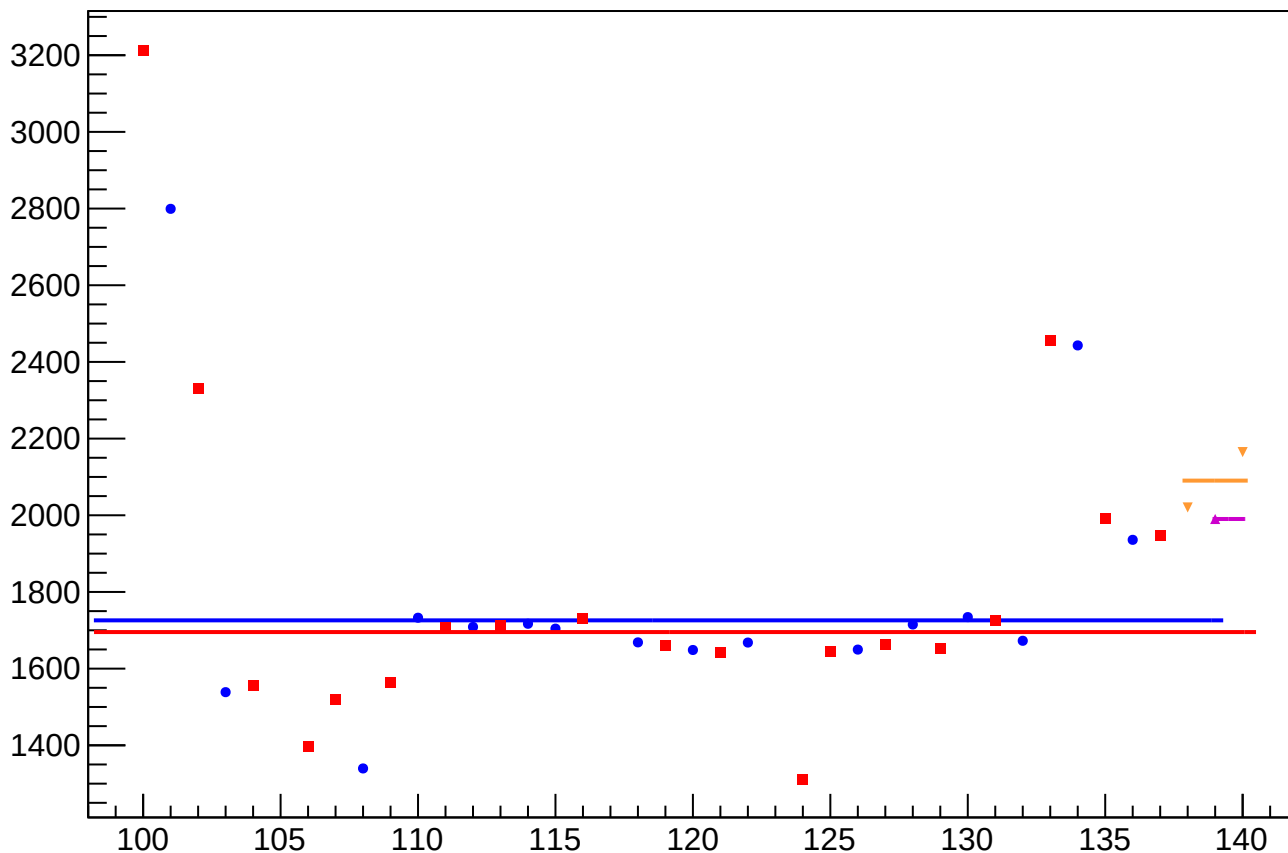
Left In: -2697.551 ± 2166.687 χ^2/NDF : 0.0/0

+ sign 2747.533 ± 605.291 χ^2/NDF : 7.7/17

All: 188.566 ± 430.676 χ^2/NDF : 59.9/37

- sign -2435.286 ± 612.917 χ^2/NDF : 16.0/19

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF : 365638.9/15

Left Out: 2090.413+/-1.161 χ^2/NDF : 3860.6/1

Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.0/18

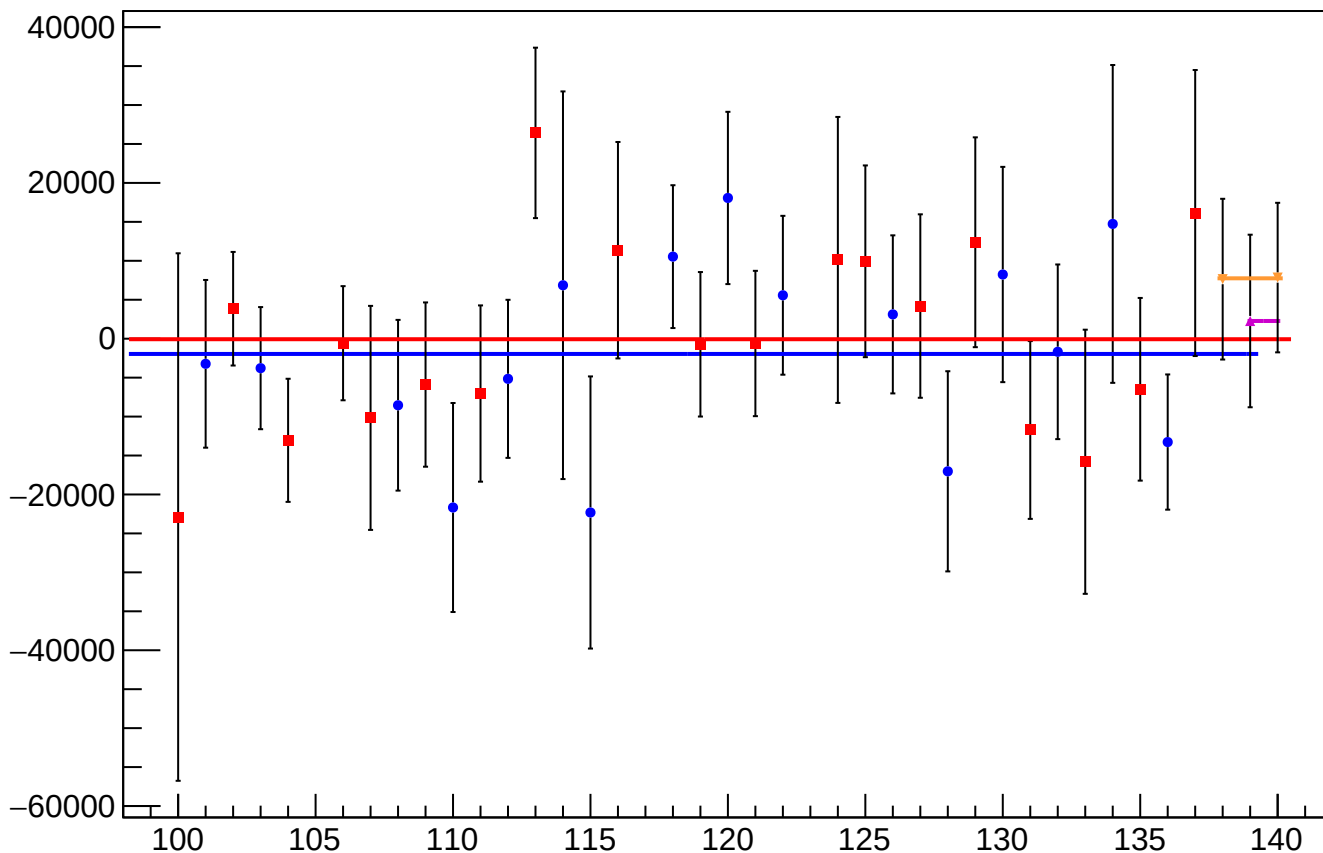
Left In: 1990.326+/-1.532 χ^2/NDF : 0.0/0

+ sign 1775.414+/-0.428 χ^2/NDF : 454622.5/17

All: 1747.537+/-0.304 χ^2/NDF : 782929.7/37

- sign 1718.973+/-0.433 χ^2/NDF : 319718.1/19

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559 $\pm$ 2798.309 χ^2 /NDF: 14.4/15

Left Out: 7751.036 $\pm$ 7028.171 χ^2 /NDF: 0.0/1

Right Out: -68.156 $\pm$ 2529.527 χ^2 /NDF: 16.1/18

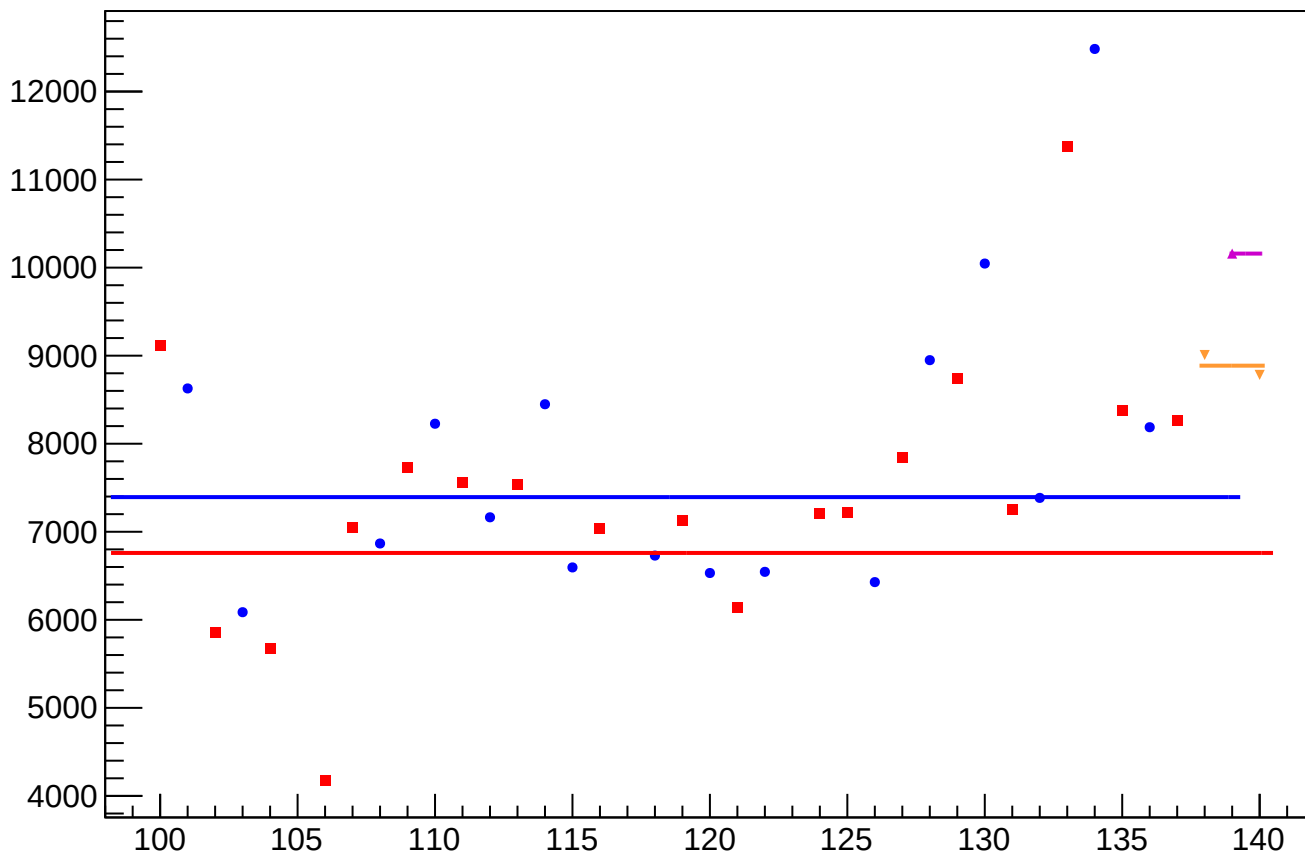
Left In: 2273.496 $\pm$ 11077.608 χ^2 /NDF: 0.0/0

+ sign -629.938 $\pm$ 2599.814 χ^2 /NDF: 16.0/17

All: -273.138 $\pm$ 1789.182 χ^2 /NDF: 32.2/37

- sign 47.891 $\pm$ 2466.052 χ^2 /NDF: 16.1/19

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF : 401826.8/15

Left Out: 8886.468+/-4.970 χ^2/NDF : 513.5/1

Right Out: 6759.428+/-1.789 χ^2/NDF : 644290.9/18

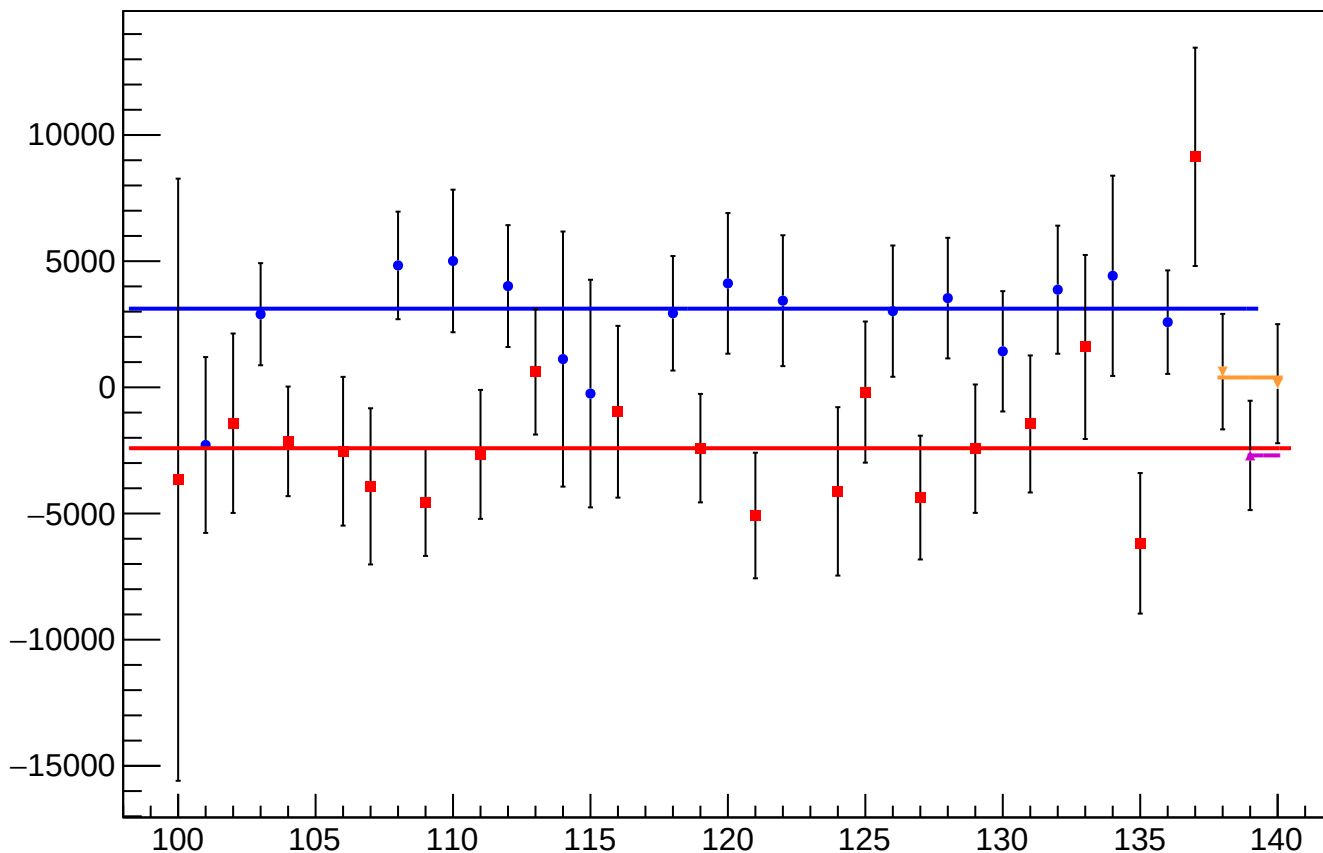
Left In: 10159.354+/-7.833 χ^2/NDF : 0.0/0

+ sign 7597.897+/-1.838 χ^2/NDF : 480227.9/17

All: 7245.231+/-1.265 χ^2/NDF : 1373495.3/37

- sign 6927.921+/-1.744 χ^2/NDF : 823352.6/19

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882 ± 651.118 χ^2/NDF : 5.3/15

Left Out: 390.974 ± 1642.467 χ^2/NDF : 0.0/1

Right Out: -2412.481 ± 639.018 χ^2/NDF : 16.0/18

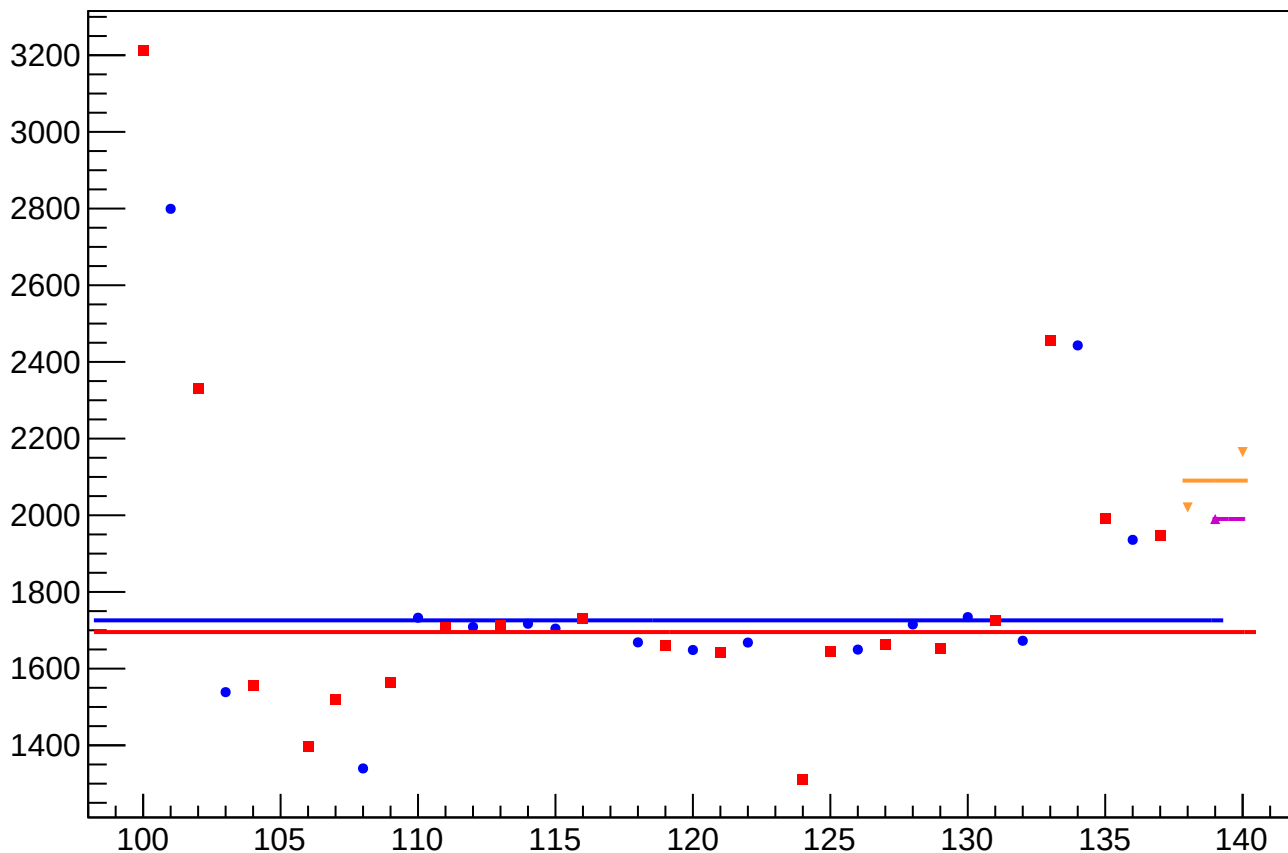
Left In: -2697.507 ± 2166.691 χ^2/NDF : 0.0/0

+ sign 2747.537 ± 605.291 χ^2/NDF : 7.7/17

All: 188.567 ± 430.676 χ^2/NDF : 59.9/37

- sign -2435.290 ± 612.917 χ^2/NDF : 16.0/19

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910 $\pm$ 0.460 χ^2 /NDF: 365639.0/15

Left Out: 2090.415 $\pm$ 1.161 χ^2 /NDF:3860.6/1

Right Out: 1695.387 $\pm$ 0.452 χ^2 /NDF: 285622.3/18

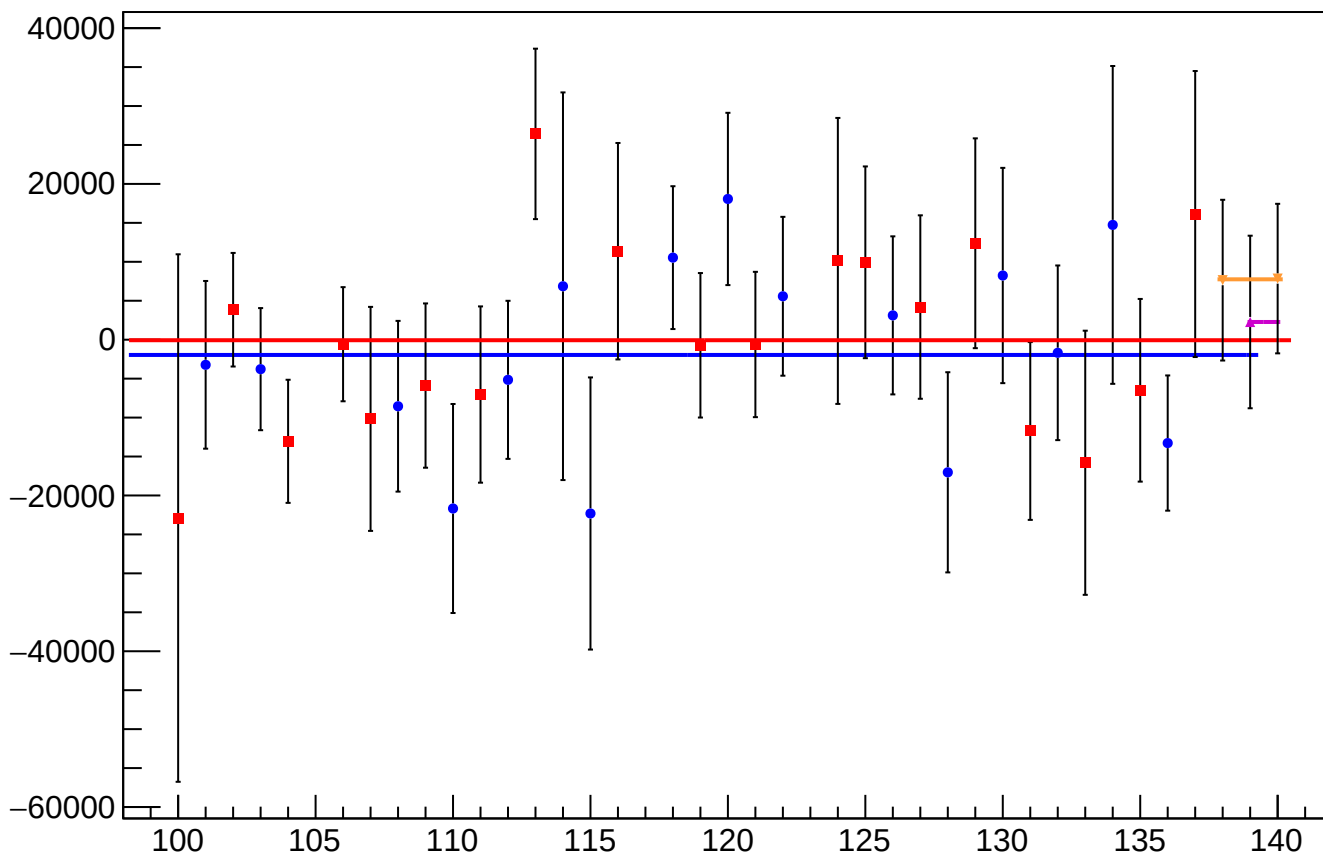
Left In: 1990.330 $\pm$ 1.532 χ^2 /NDF:0.0/0

+ sign 1775.414 $\pm$ 0.428 χ^2 /NDF: 454623.3/17

All: 1747.537 $\pm$ 0.304 χ^2 /NDF: 782931.5/37

- sign 1718.973 $\pm$ 0.433 χ^2 /NDF: 319719.2/19

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538 ± 2798.302 χ^2/NDF : 14.4/15

Left Out: 7751.039 ± 7028.182 χ^2/NDF : 0.0/1

Right Out: -68.163 ± 2529.521 χ^2/NDF : 16.1/18

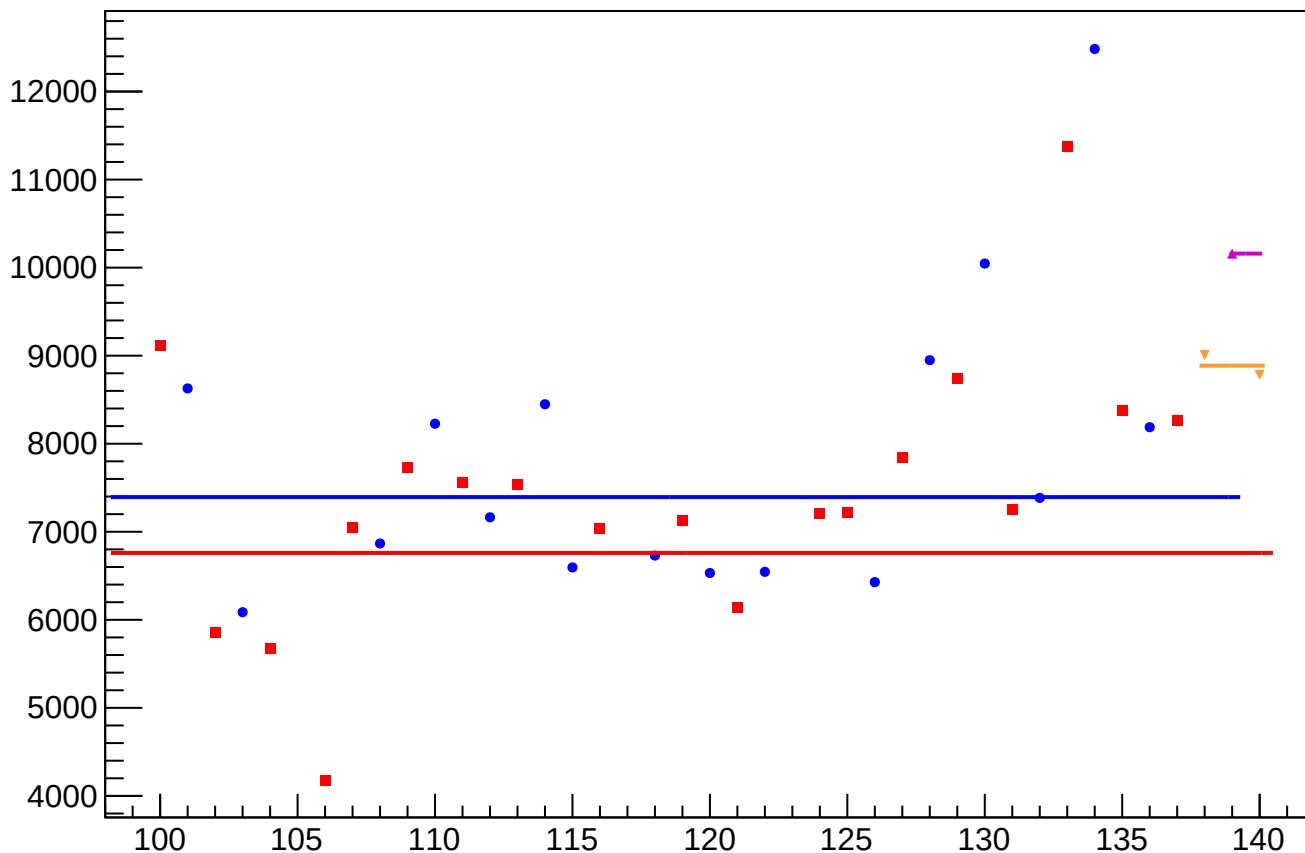
Left In: 2273.537 ± 11077.638 χ^2/NDF : 0.0/0

+ sign -629.928 ± 2599.810 χ^2/NDF : 16.0/17

All: -273.136 ± 1789.178 χ^2/NDF : 32.2/37

- sign 47.886 ± 2466.047 χ^2/NDF : 16.1/19

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605 $\pm$ 1.979 χ^2 /NDF: 401829.0/15

Left Out: 8886.482 $\pm$ 4.970 χ^2 /NDF: 513.6/1

Right Out: 6759.413 $\pm$ 1.789 χ^2 /NDF: 644289.7/18

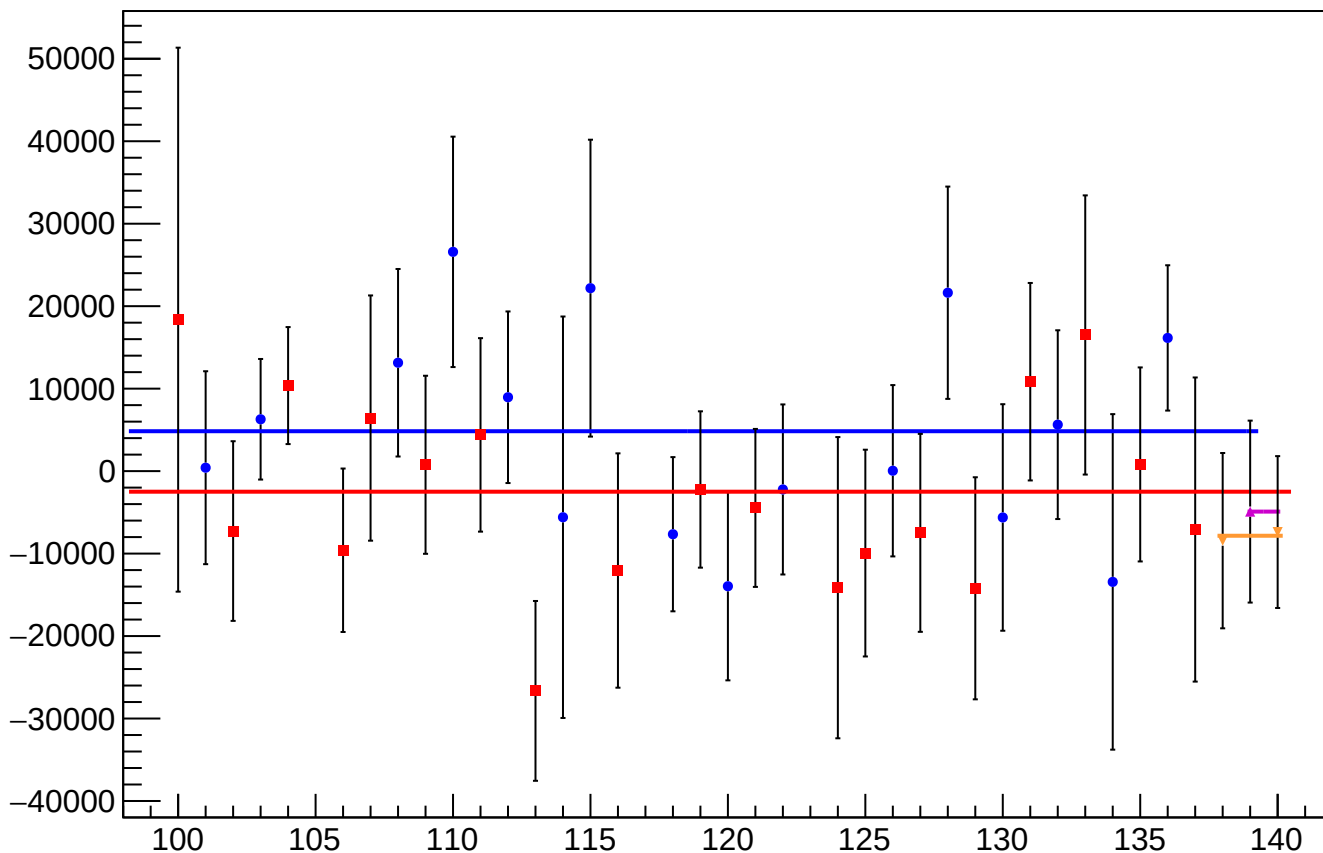
Left In: 10159.382 $\pm$ 7.833 χ^2 /NDF: 0.0/0

+ sign 7597.883 $\pm$ 1.838 χ^2 /NDF: 480233.3/17

All: 7245.217 $\pm$ 1.265 χ^2 /NDF: 1373503.2/37

- sign 6927.907 $\pm$ 1.744 χ^2 /NDF: 823355.0/19

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF : 14.3/15

Left Out: -7837.111+/-6959.340 χ^2/NDF : 0.0/1

Right Out: -2495.844+/-2695.530 χ^2/NDF : 14.9/18

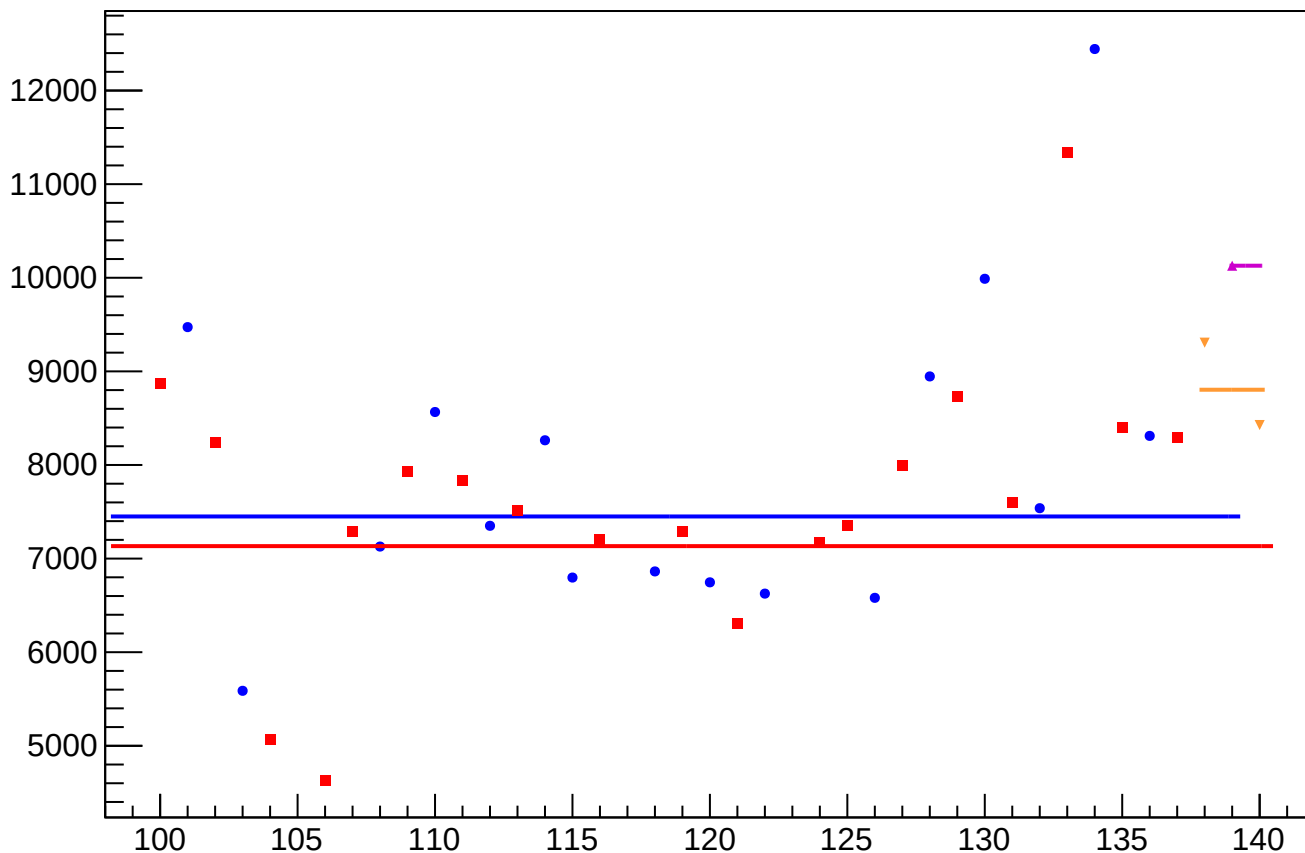
Left In: -4909.316+/-11030.582 χ^2/NDF : 0.0/0

+ sign 3040.455+/-2620.676 χ^2/NDF : 17.2/17

All: 201.928+/-1852.321 χ^2/NDF : 34.5/37

- sign -2631.846+/-2618.481 χ^2/NDF : 15.0/19

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF : 486427.7/15

Left Out: 8803.804+/-4.921 χ^2/NDF : 7830.5/1

Right Out: 7133.115+/-1.906 χ^2/NDF : 556993.0/18

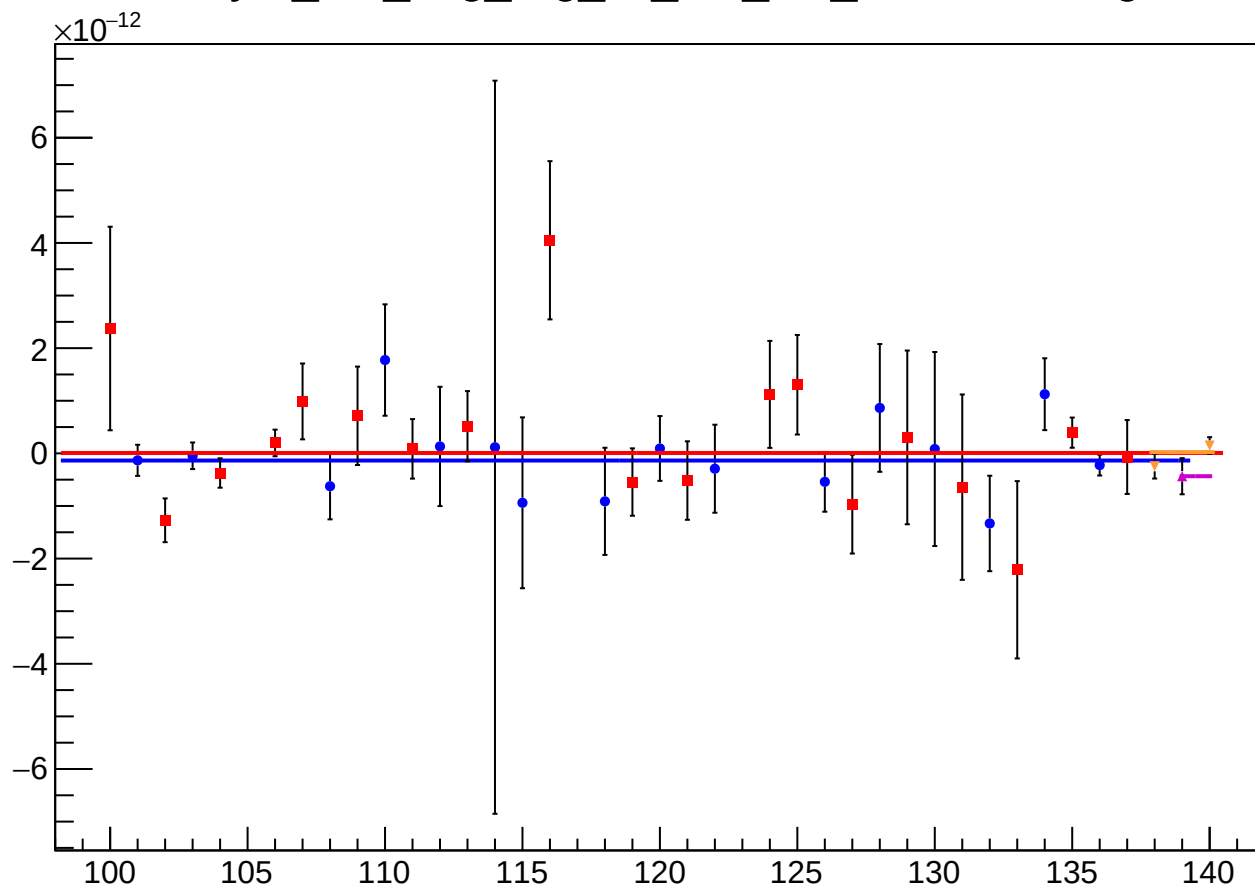
Left In: 10128.752+/-7.800 χ^2/NDF : 0.0/0

+ sign 7641.960+/-1.853 χ^2/NDF : 559211.7/17

All: 7471.778+/-1.310 χ^2/NDF : 1272253.5/37

- sign 7301.900+/-1.851 χ^2/NDF : 696188.6/19

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 : 1.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.8/18

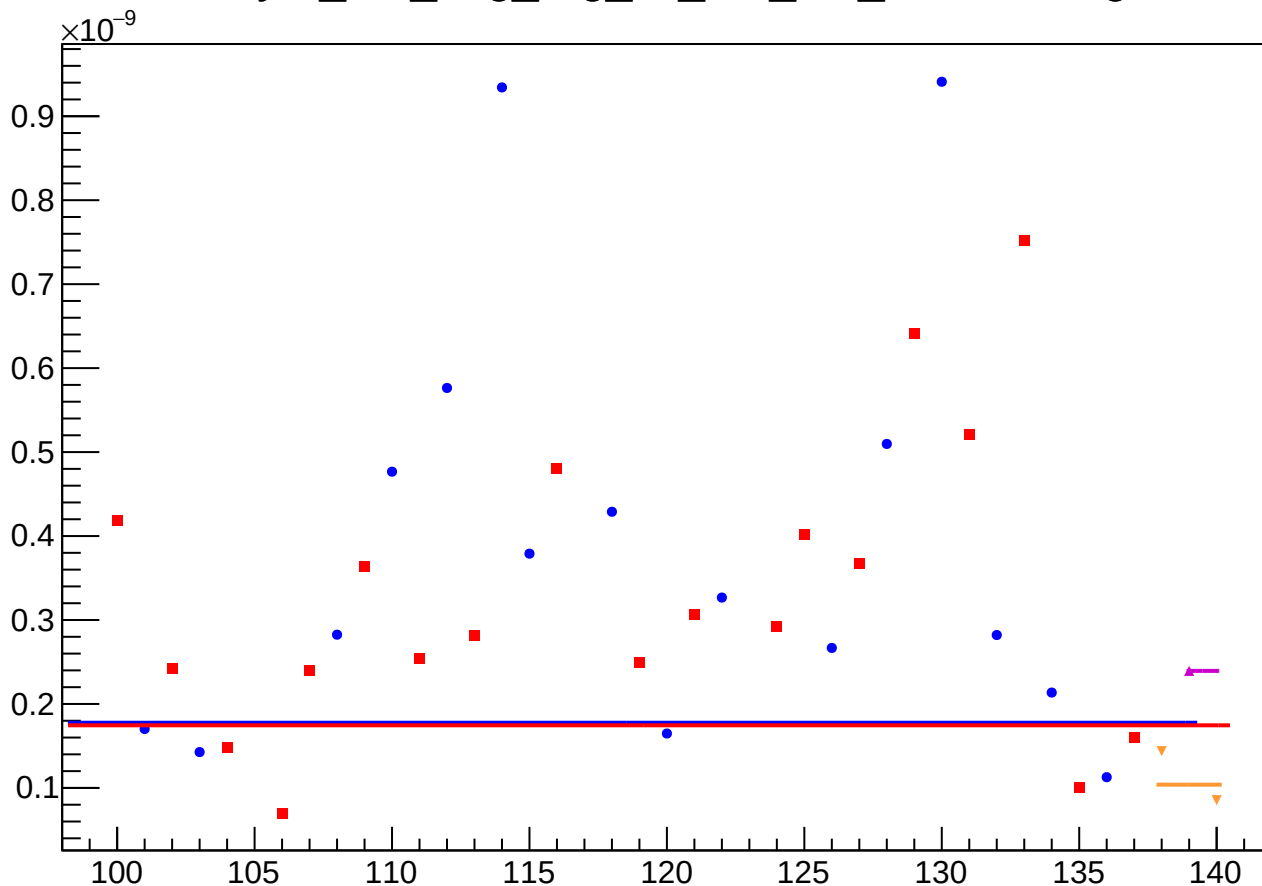
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 14.3/17

All: -0.000 ± 0.000 χ^2/NDF : 48.6/37

- sign -0.000 ± 0.000 χ^2/NDF : 34.2/19

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 84878.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1641366.3/18

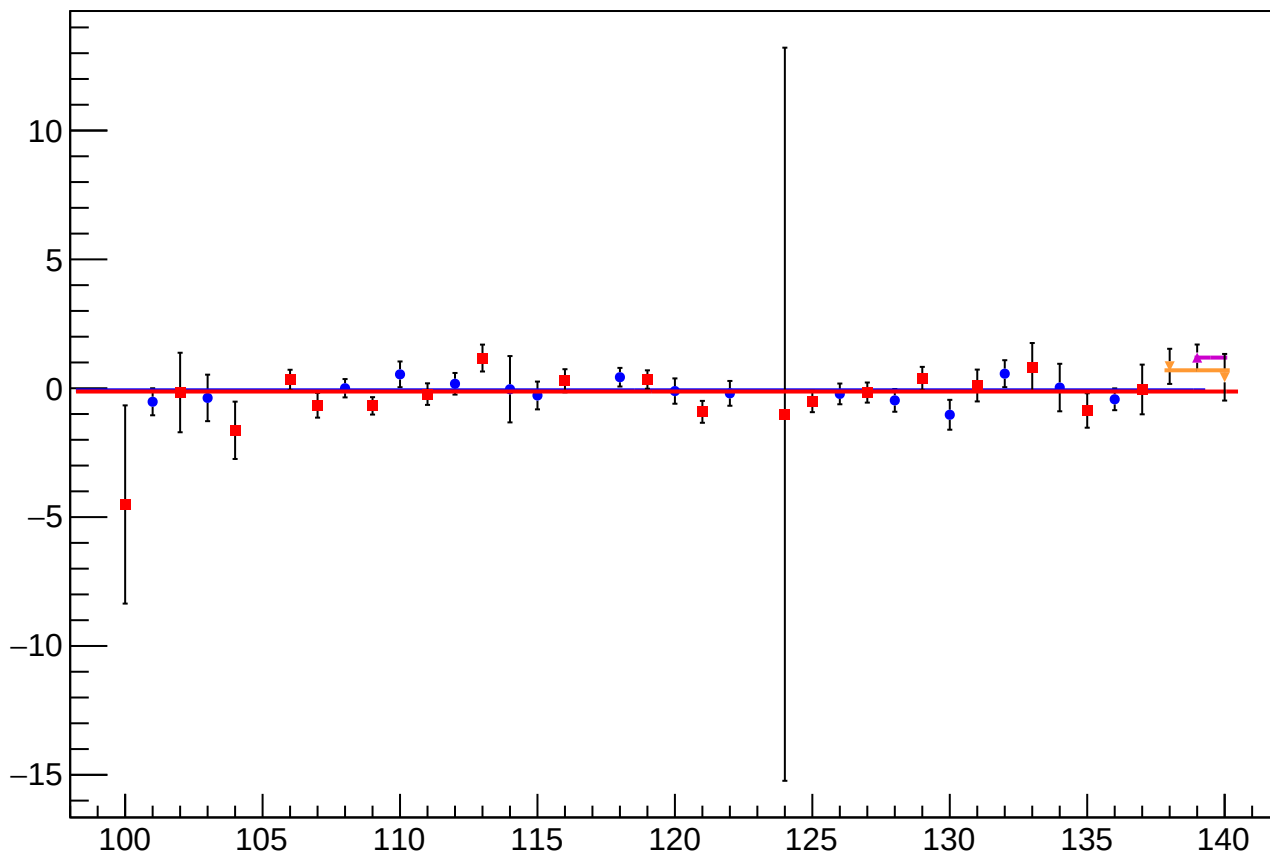
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1958078.7/17

All: 0.000+/-0.000 χ^2/NDF : 3796474.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1704587.3/19

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.696 ± 0.544 χ^2/NDF : 0.1/1

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

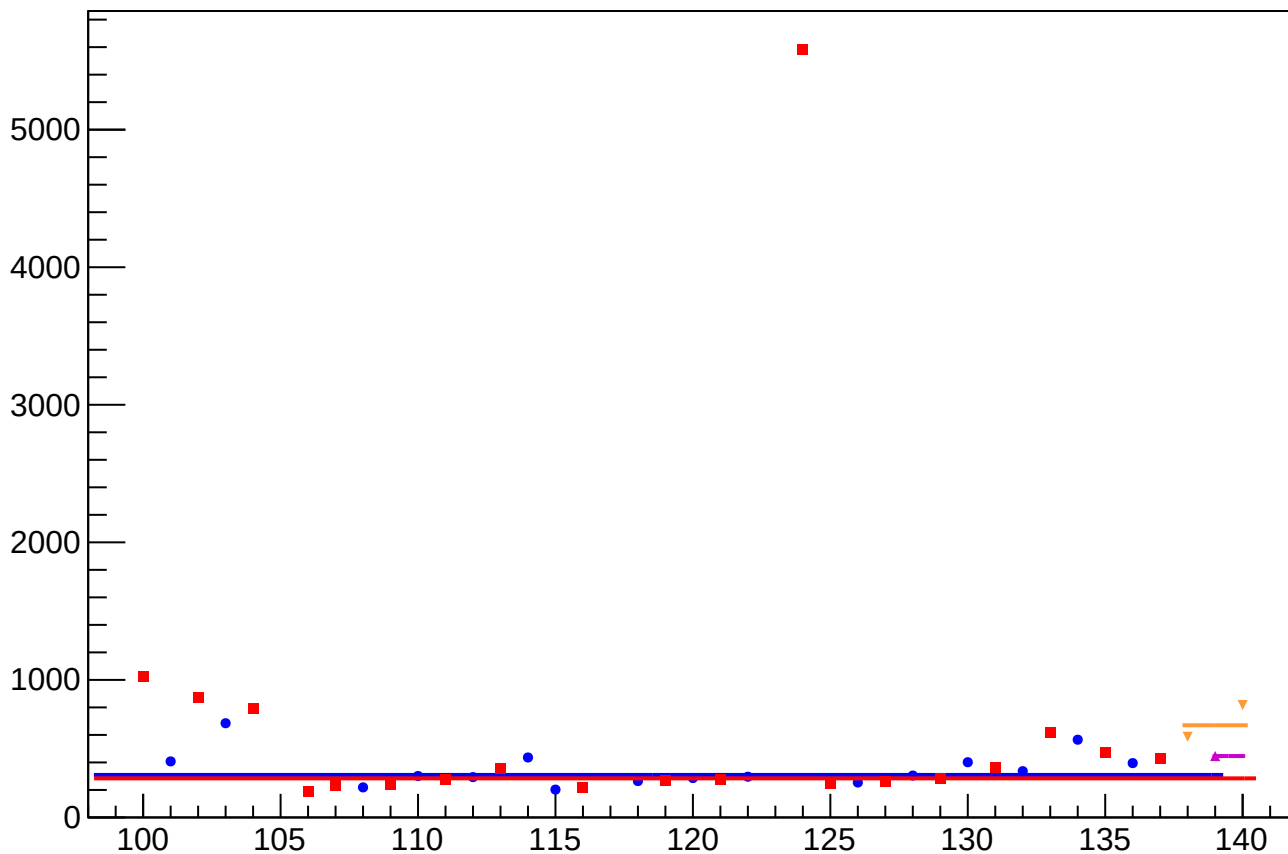
Left In: 1.189 ± 0.507 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.052 ± 0.082 χ^2/NDF : 44.5/37

- sign -0.061 ± 0.114 χ^2/NDF : 31.7/19

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF : 1014604.9/15

Left Out: 670.145+/-0.385 χ^2/NDF : 83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF : 1856451.4/18

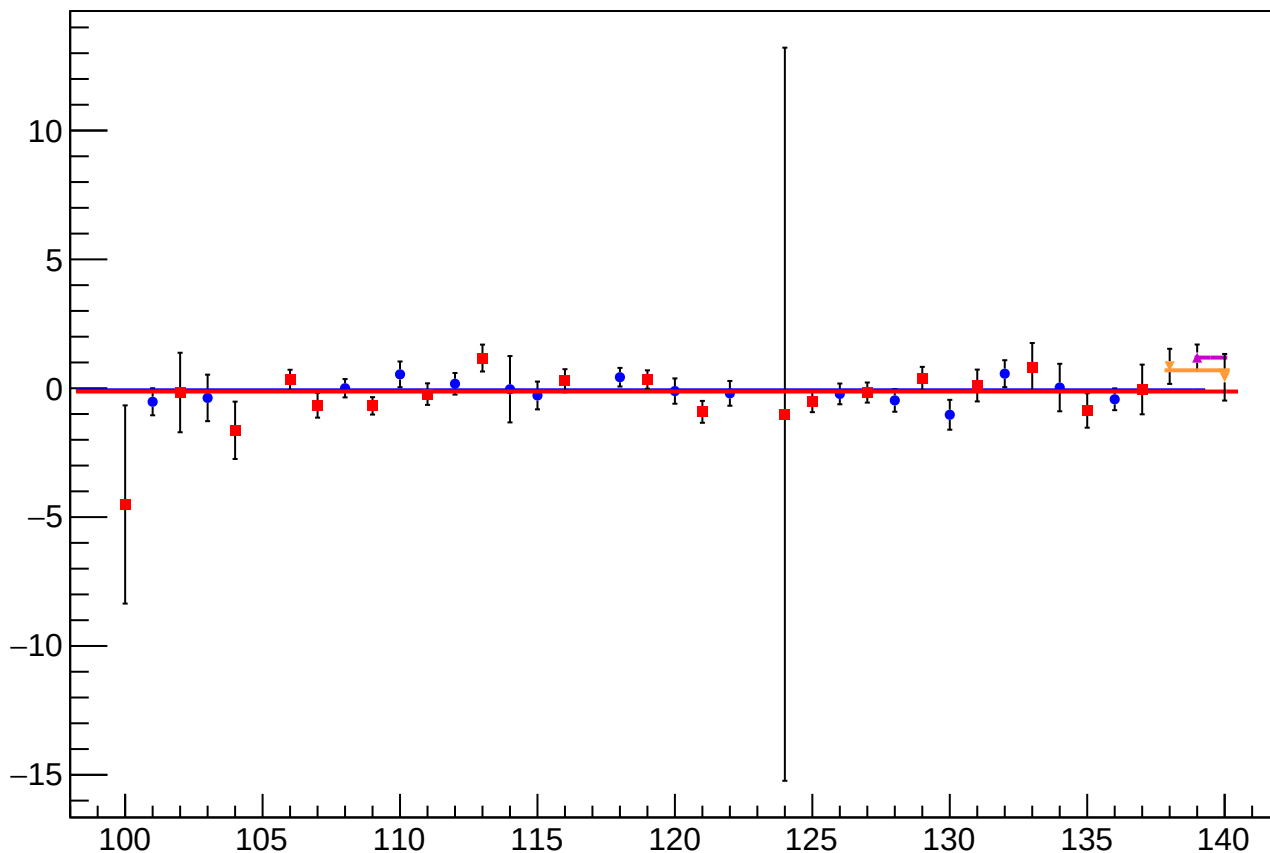
Left In: 446.443+/-0.359 χ^2/NDF : 0.0/0

+ sign 326.332+/-0.084 χ^2/NDF : 1935829.4/17

All: 308.626+/-0.058 χ^2/NDF : 4071711.7/37

- sign 292.377+/-0.081 χ^2/NDF : 2050862.8/19

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.696 ± 0.544 χ^2/NDF : 0.1/1

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

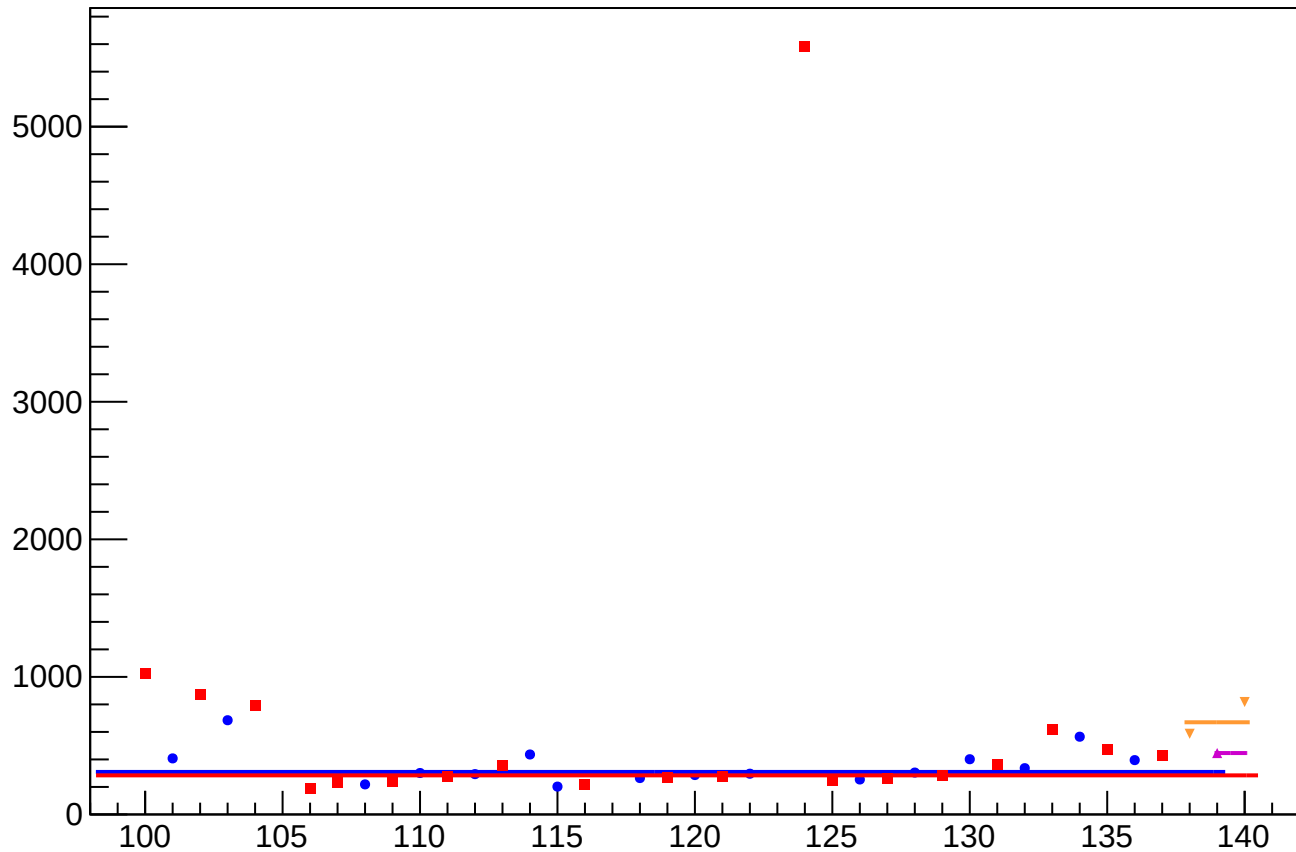
Left In: 1.189 ± 0.507 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.052 ± 0.082 χ^2/NDF : 44.5/37

- sign -0.061 ± 0.114 χ^2/NDF : 31.7/19

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: 670.145+/-0.385 χ^2/NDF : 83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF : 1856451.4/18

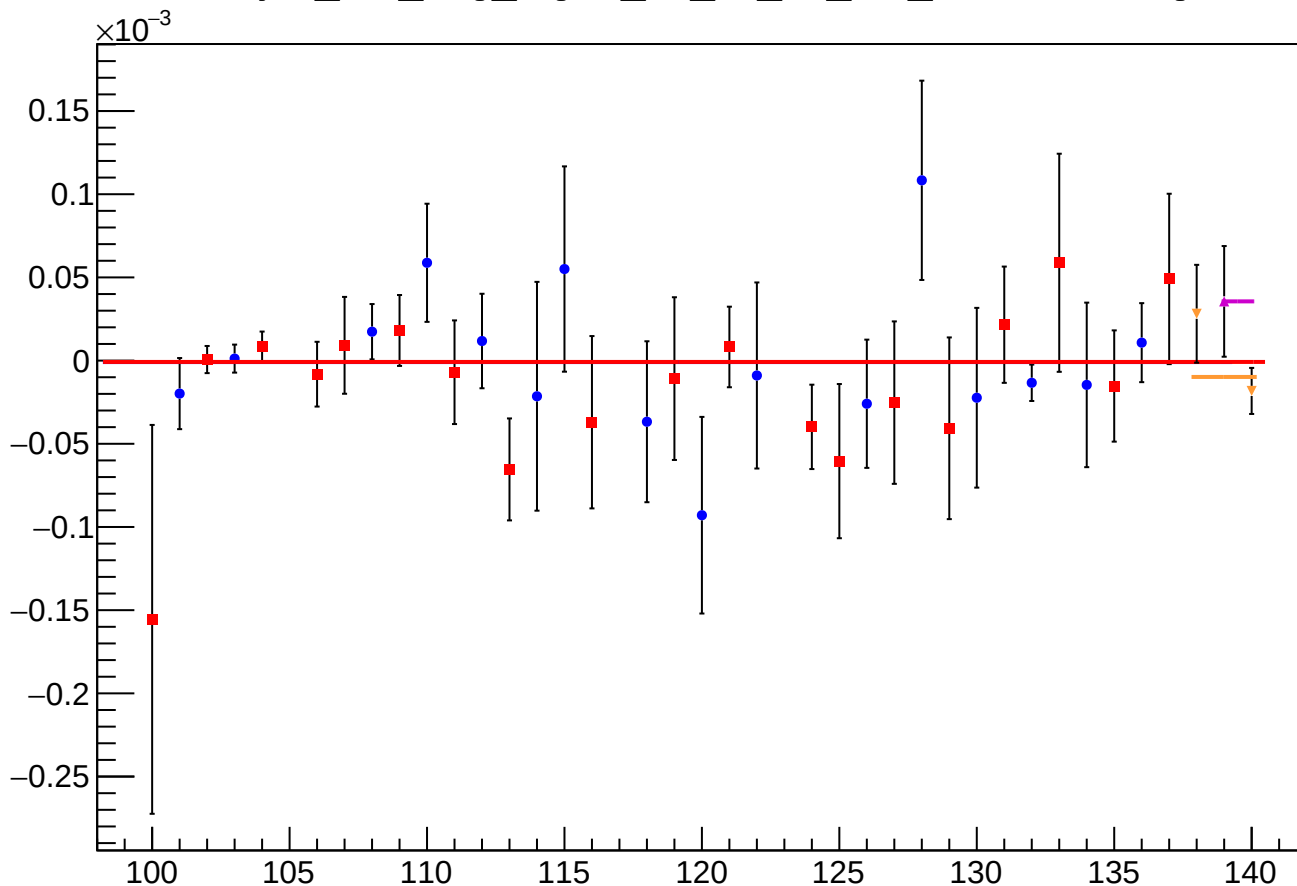
Left In: 446.443+/-0.359 χ^2/NDF : 0.0/0

+ sign 326.332+/-0.084 χ^2/NDF : 1935829.4/17

All: 308.626+/-0.058 χ^2/NDF : 4071711.7/37

- sign 292.377+/-0.081 χ^2/NDF : 2050862.8/19

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/18

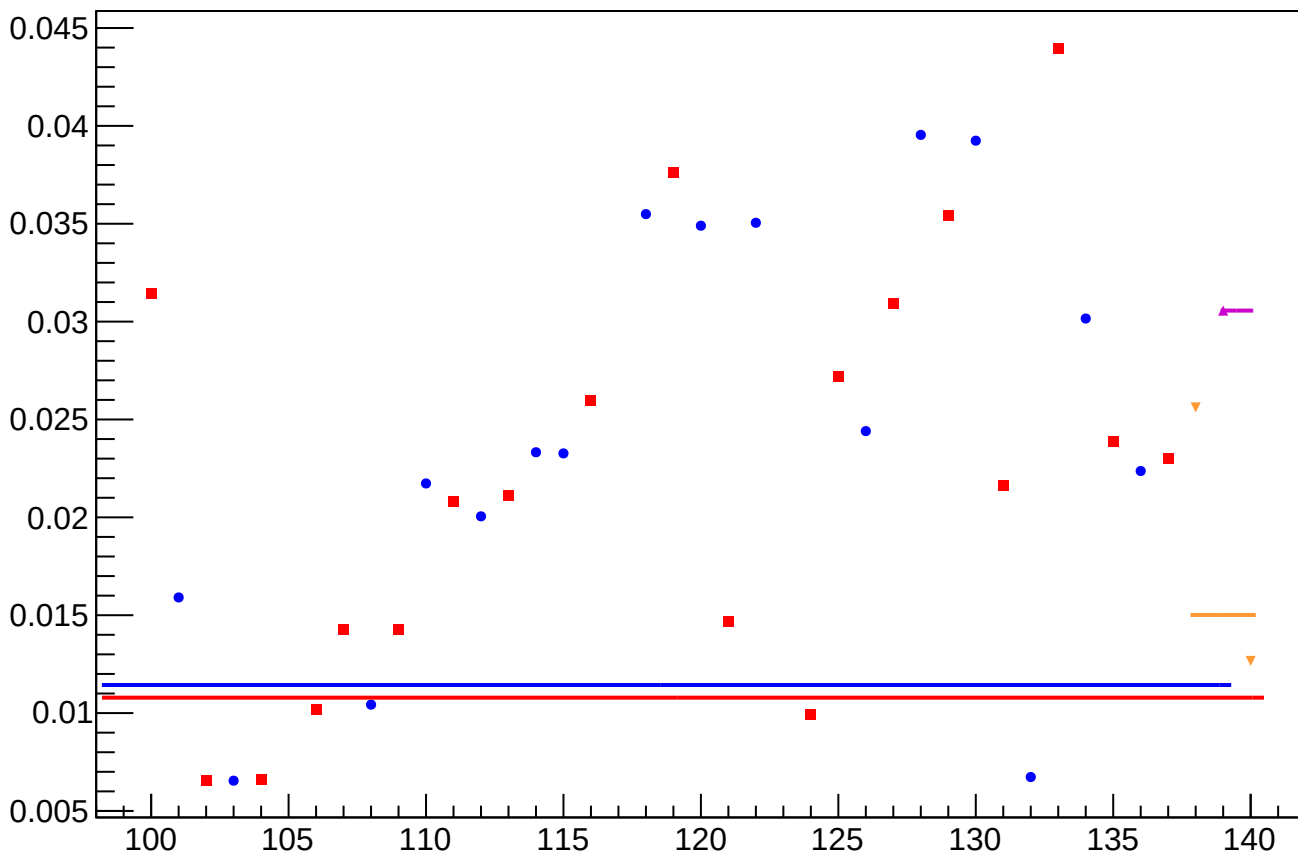
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.4/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/19

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: 0.015+/-0.000 χ^2/NDF : 317570.8/1

Right Out: 0.011+/-0.000 χ^2/NDF : 4473688.9/18

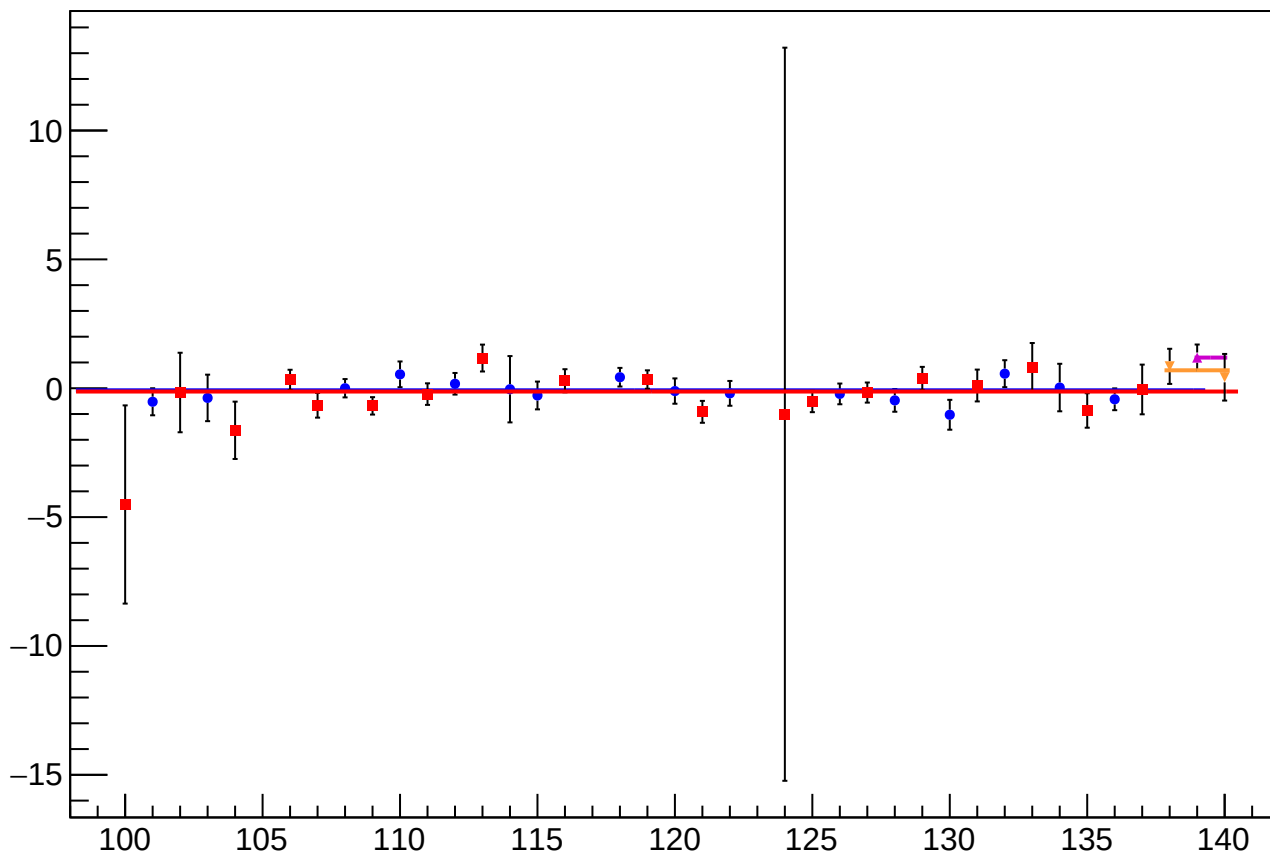
Left In: 0.031+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.000 χ^2/NDF : 5155793.2/17

All: 0.012+/-0.000 χ^2/NDF : 10347855.3/37

- sign 0.011+/-0.000 χ^2/NDF : 5165999.2/19

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.696 ± 0.544 χ^2/NDF : 0.1/1

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

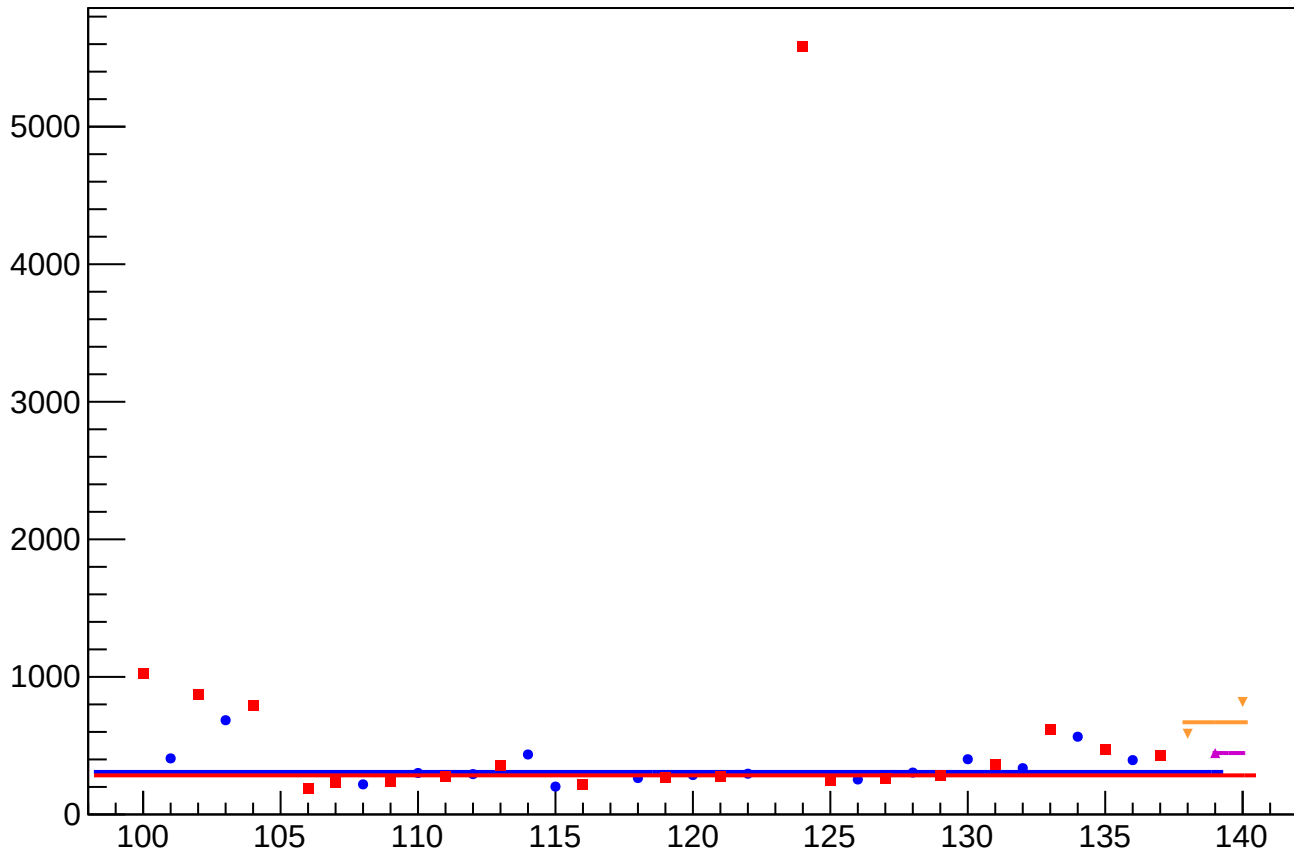
Left In: 1.189 ± 0.507 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.052 ± 0.082 χ^2/NDF : 44.5/37

- sign -0.061 ± 0.114 χ^2/NDF : 31.7/19

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: 670.151+/-0.385 χ^2/NDF : 83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF : 1856434.1/18

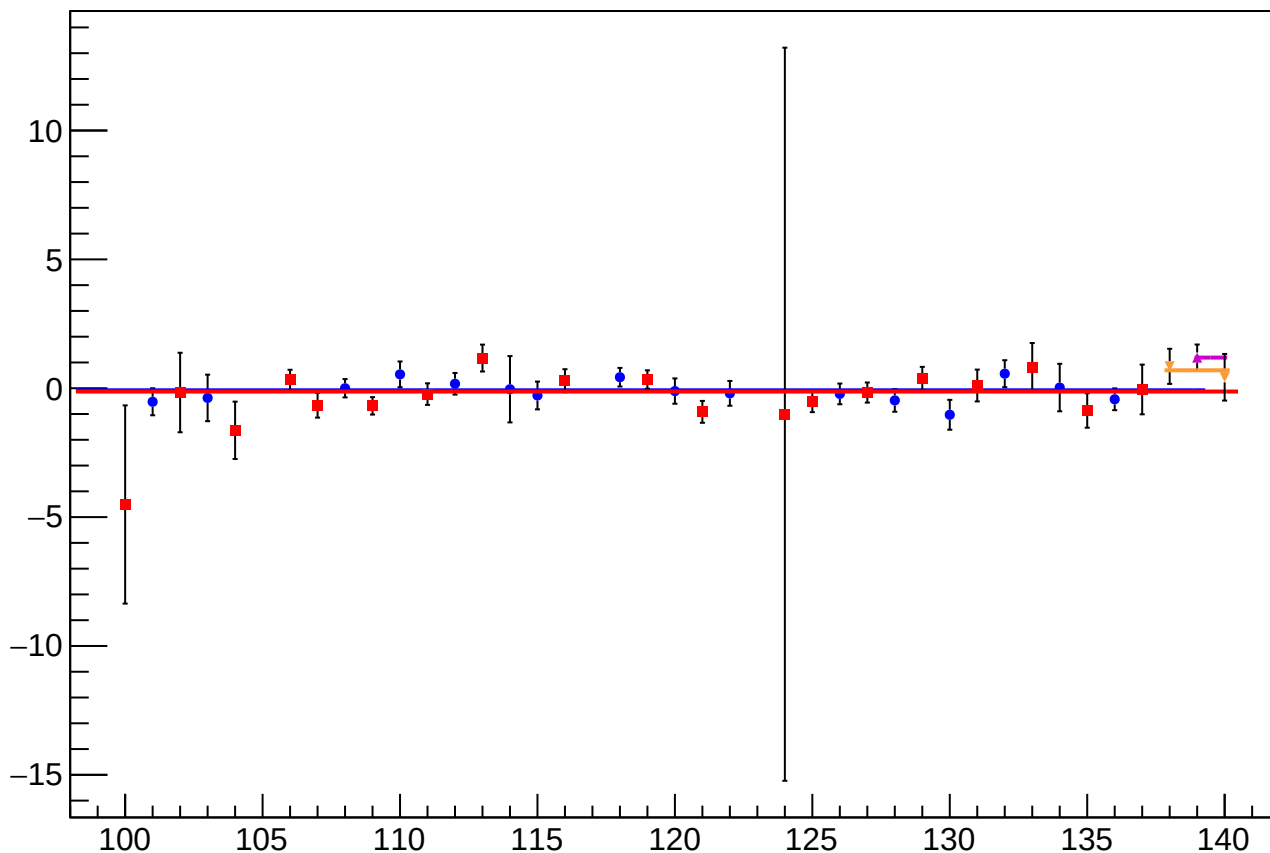
Left In: 446.453+/-0.359 χ^2/NDF : 0.0/0

+ sign 326.331+/-0.084 χ^2/NDF : 1935814.9/17

All: 308.625+/-0.058 χ^2/NDF : 4071696.2/37

- sign 292.377+/-0.081 χ^2/NDF : 2050862.8/19

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.696 ± 0.544 χ^2/NDF : 0.1/1

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

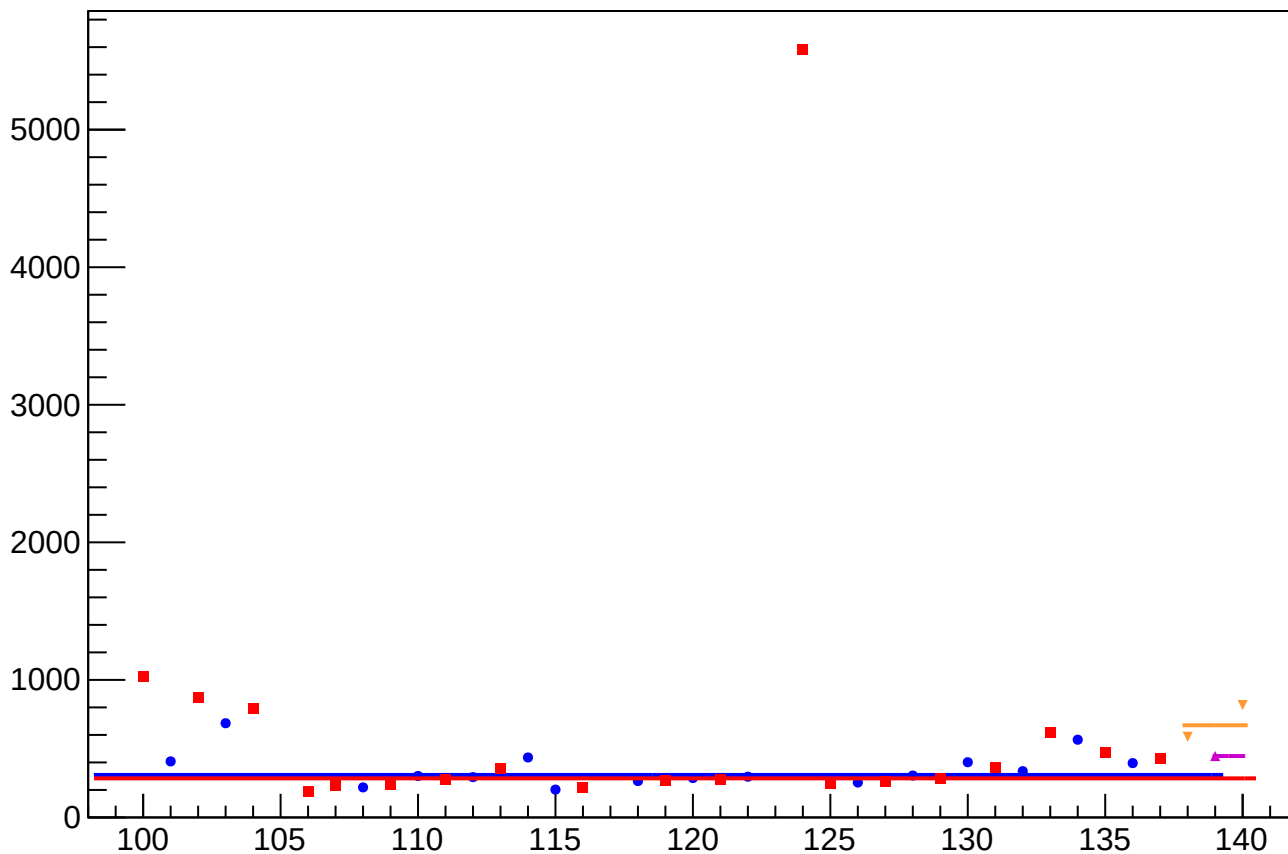
Left In: 1.189 ± 0.507 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.052 ± 0.082 χ^2/NDF : 44.5/37

- sign -0.061 ± 0.114 χ^2/NDF : 31.7/19

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF : 1014573.4/15

Left Out: 670.151+/-0.385 χ^2/NDF : 83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF : 1856434.1/18

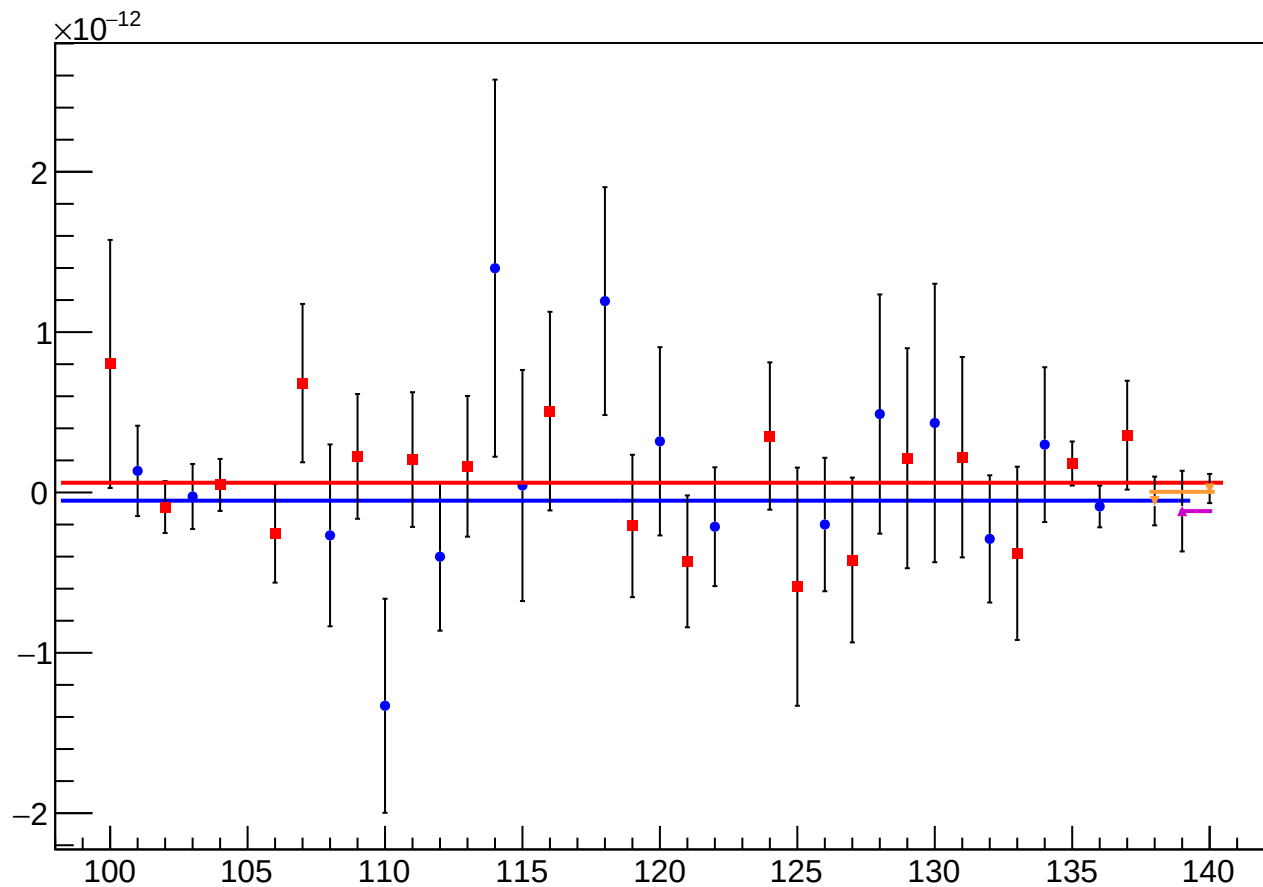
Left In: 446.453+/-0.359 χ^2/NDF : 0.0/0

+ sign 326.331+/-0.084 χ^2/NDF : 1935814.9/17

All: 308.625+/-0.058 χ^2/NDF : 4071696.2/37

- sign 292.377+/-0.081 χ^2/NDF : 2050862.8/19

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.4/18

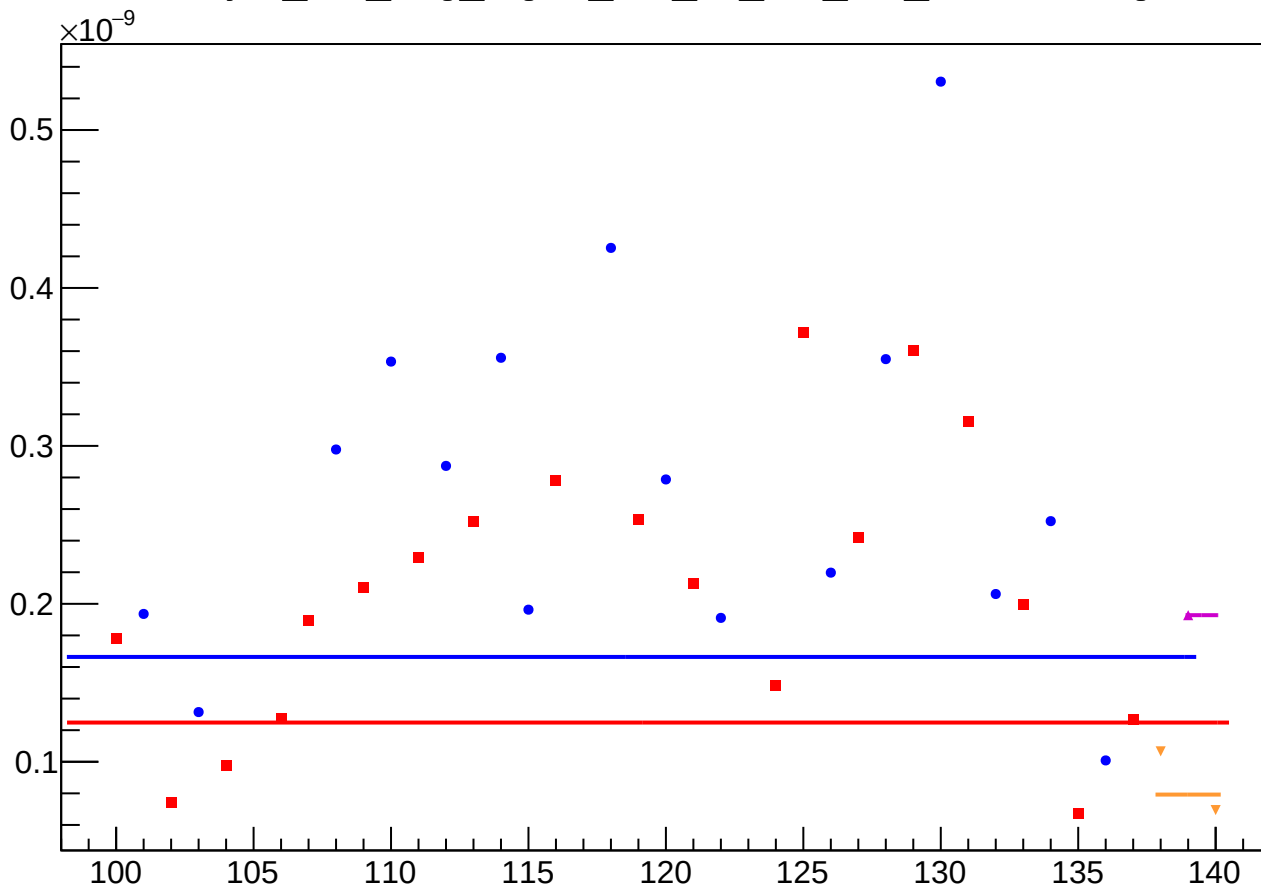
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.9/19

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 88101.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2209554.2/18

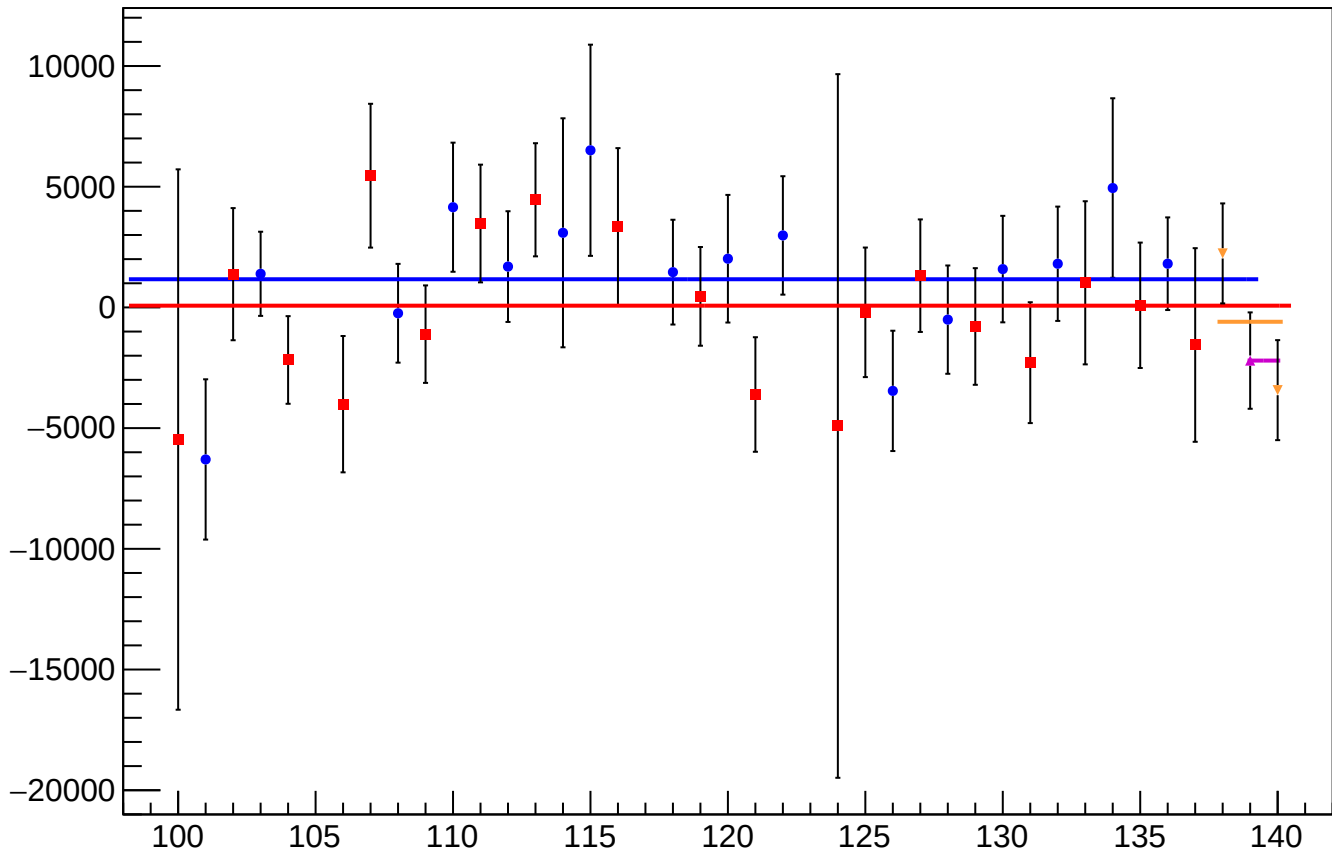
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3220332.5/17

All: 0.000+/-0.000 χ^2/NDF : 5592720.1/37

- sign 0.000+/-0.000 χ^2/NDF : 2345123.1/19

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: -594.408 $\pm$ 1464.526 χ^2 /NDF: 3.7/1

Right Out: 72.181 $\pm$ 603.362 χ^2 /NDF: 18.3/18

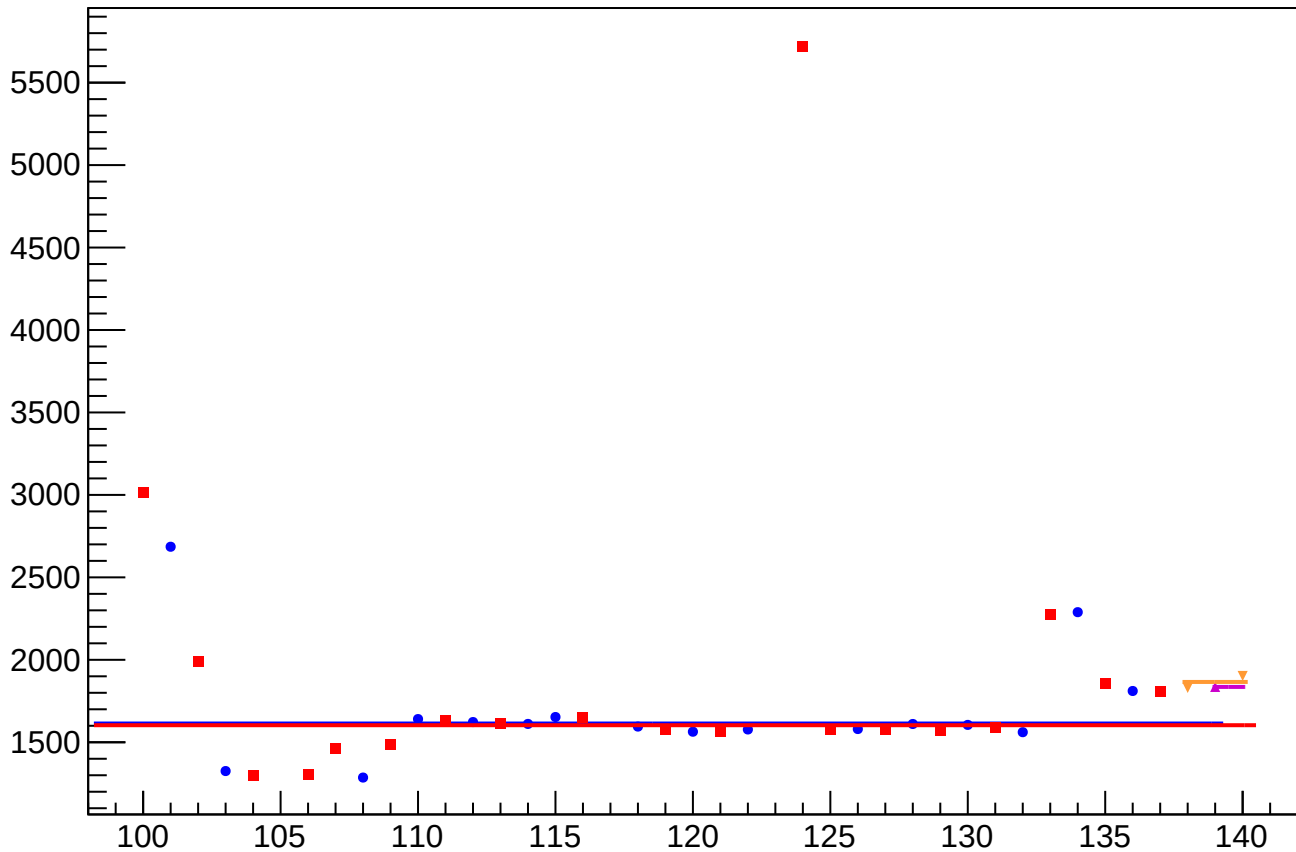
Left In: -2202.274 $\pm$ 1996.173 χ^2 /NDF: 0.0/0

+ sign 907.081 $\pm$ 562.455 χ^2 /NDF: 19.4/17

All: 408.010 $\pm$ 402.948 χ^2 /NDF: 40.5/37

- sign -118.219 $\pm$ 577.555 χ^2 /NDF: 19.5/19

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674 $\pm$ 0.431 χ^2 /NDF: 404688.5/15

Left Out: 1865.788 $\pm$ 1.036 χ^2 /NDF:1226.8/1

Right Out: 1603.464 $\pm$ 0.427 χ^2 /NDF: 425793.5/18

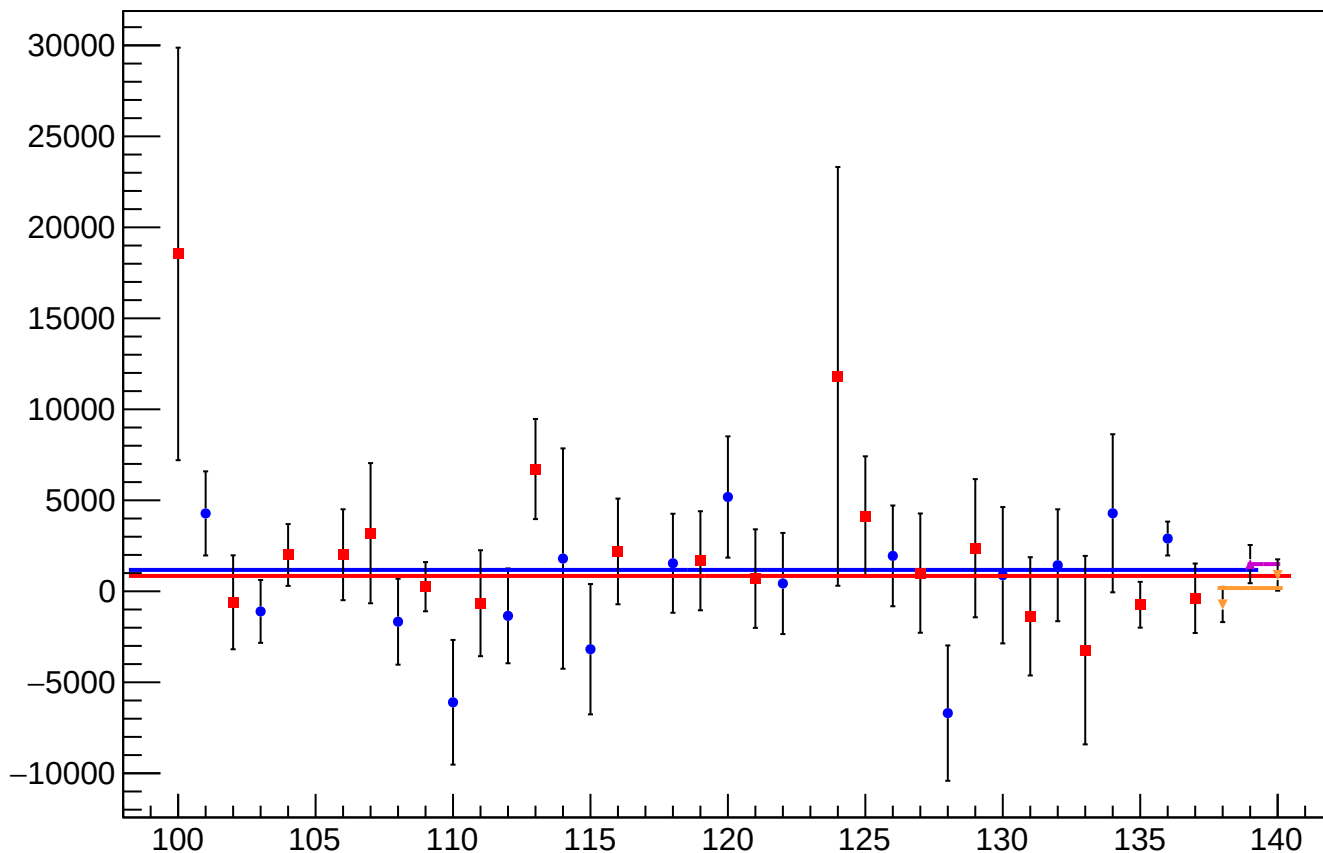
Left In: 1835.626 $\pm$ 1.412 χ^2 /NDF:0.0/0

+ sign 1650.860 $\pm$ 0.398 χ^2 /NDF: 456442.7/17

All: 1637.250 $\pm$ 0.285 χ^2 /NDF: 909430.2/37

- sign 1622.899 $\pm$ 0.408 χ^2 /NDF: 450581.8/19

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF : 22.0/15

Left Out: 179.003+/-643.358 χ^2/NDF : 1.6/1

Right Out: 843.857+/-557.438 χ^2/NDF : 14.3/18

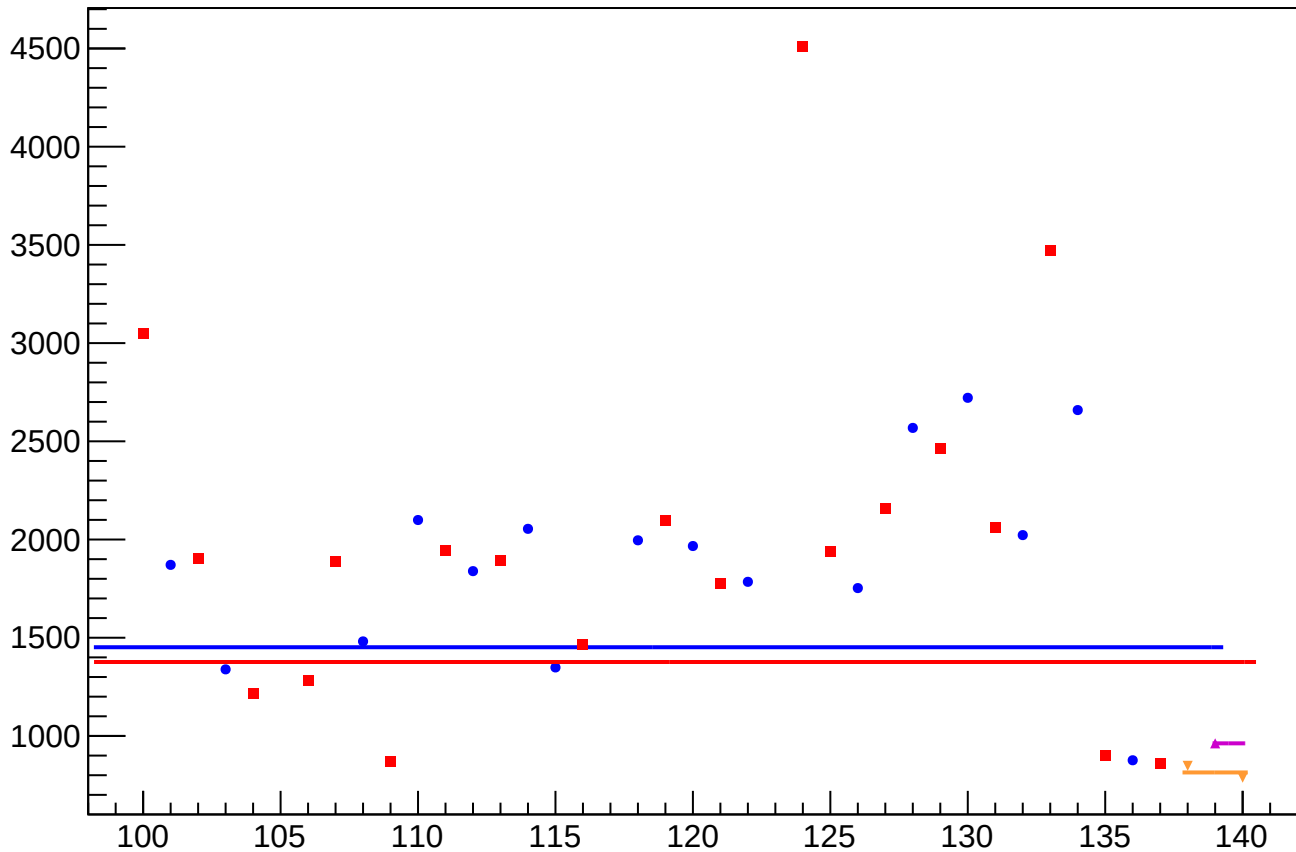
Left In: 1494.719+/-1050.147 χ^2/NDF : 0.0/0

+ sign 729.508+/-430.400 χ^2/NDF : 24.9/17

All: 841.011+/-324.047 χ^2/NDF : 39.6/37

- sign 986.935+/-492.370 χ^2/NDF : 14.6/19

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF : 1790839.5/15

Left Out: 814.120+/-0.455 χ^2/NDF : 4321.4/1

+ sign 1166.314+/-0.304 χ^2/NDF : 2880073.9/17

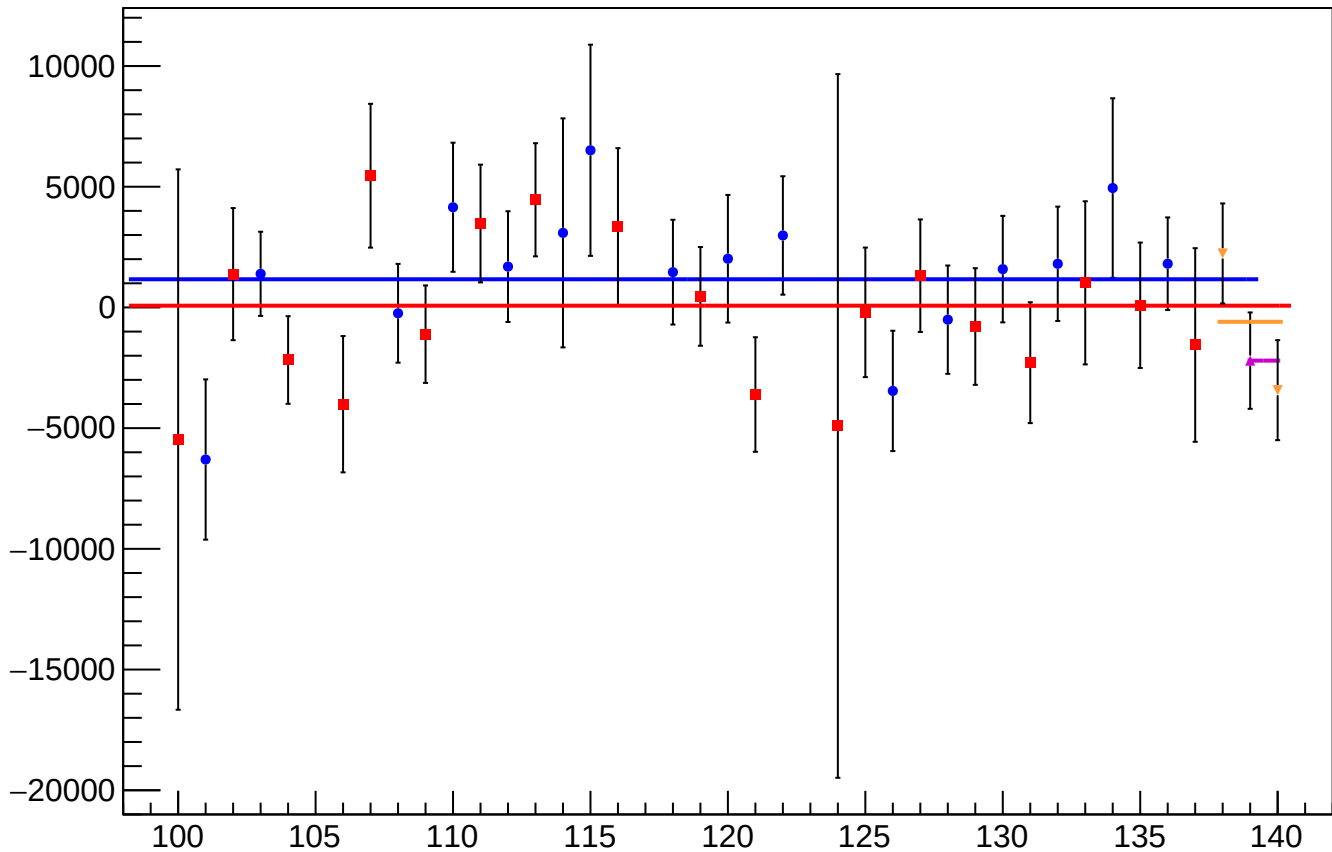
Right Out: 1376.470+/-0.394 χ^2/NDF : 2132051.1/18

All: 1217.904+/-0.229 χ^2/NDF : 5321188.4/37

- sign 1285.420+/-0.348 χ^2/NDF : 2374772.8/19

Left In: 962.285+/-0.743 χ^2/NDF : 0.0/0

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: -594.494 $\pm$ 1464.526 χ^2 /NDF: 3.7/1

Right Out: 72.499 $\pm$ 603.362 χ^2 /NDF: 18.3/18

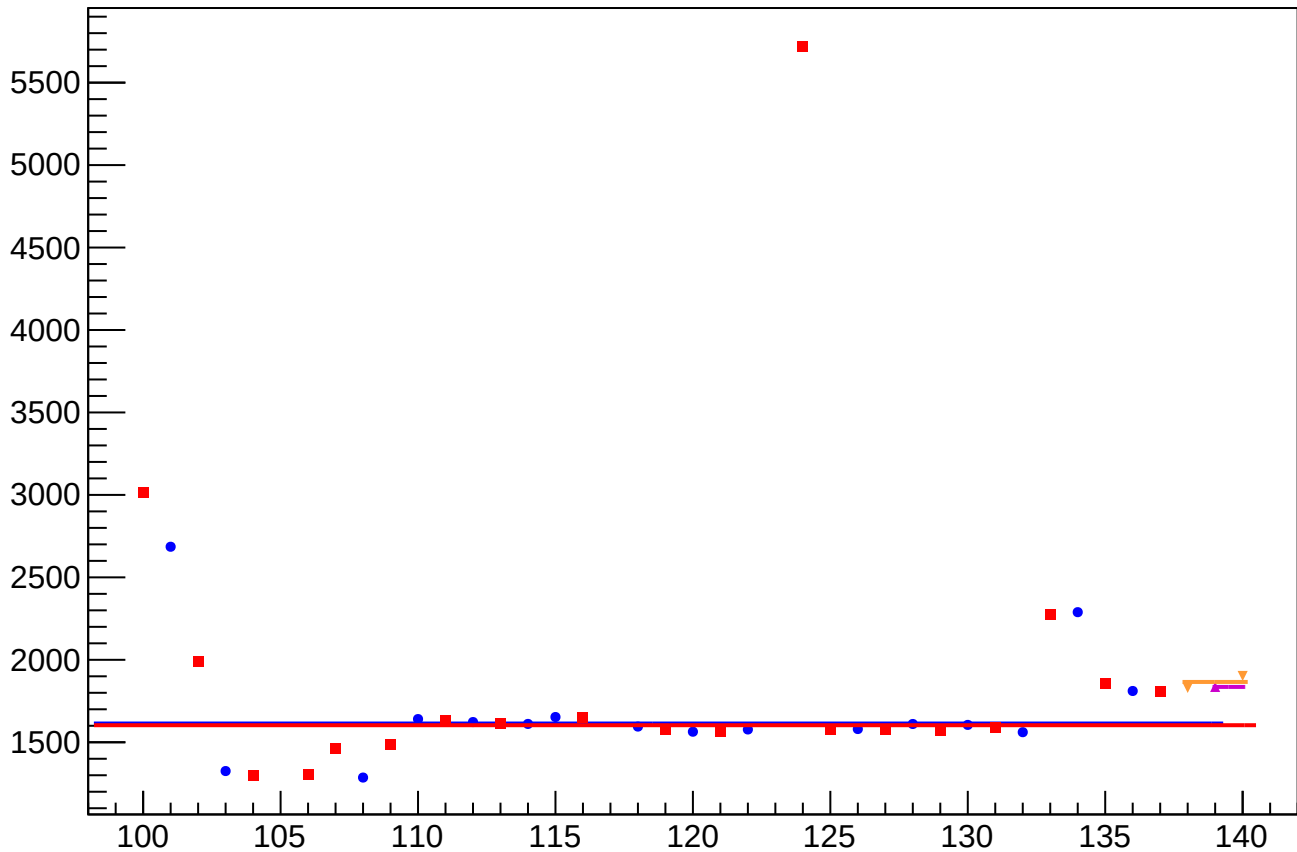
Left In: -2202.640 $\pm$ 1996.173 χ^2 /NDF: 0.0/0

+ sign 906.990 $\pm$ 562.455 χ^2 /NDF: 19.4/17

All: 408.090 $\pm$ 402.948 χ^2 /NDF: 40.5/37

- sign -117.958 $\pm$ 577.555 χ^2 /NDF: 19.5/19

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2 /NDF: 404688.8/15

Left Out: 1865.788+/-1.036 χ^2 /NDF:1226.8/1

+ sign 1650.859+/-0.398 χ^2 /NDF: 456443.0/17

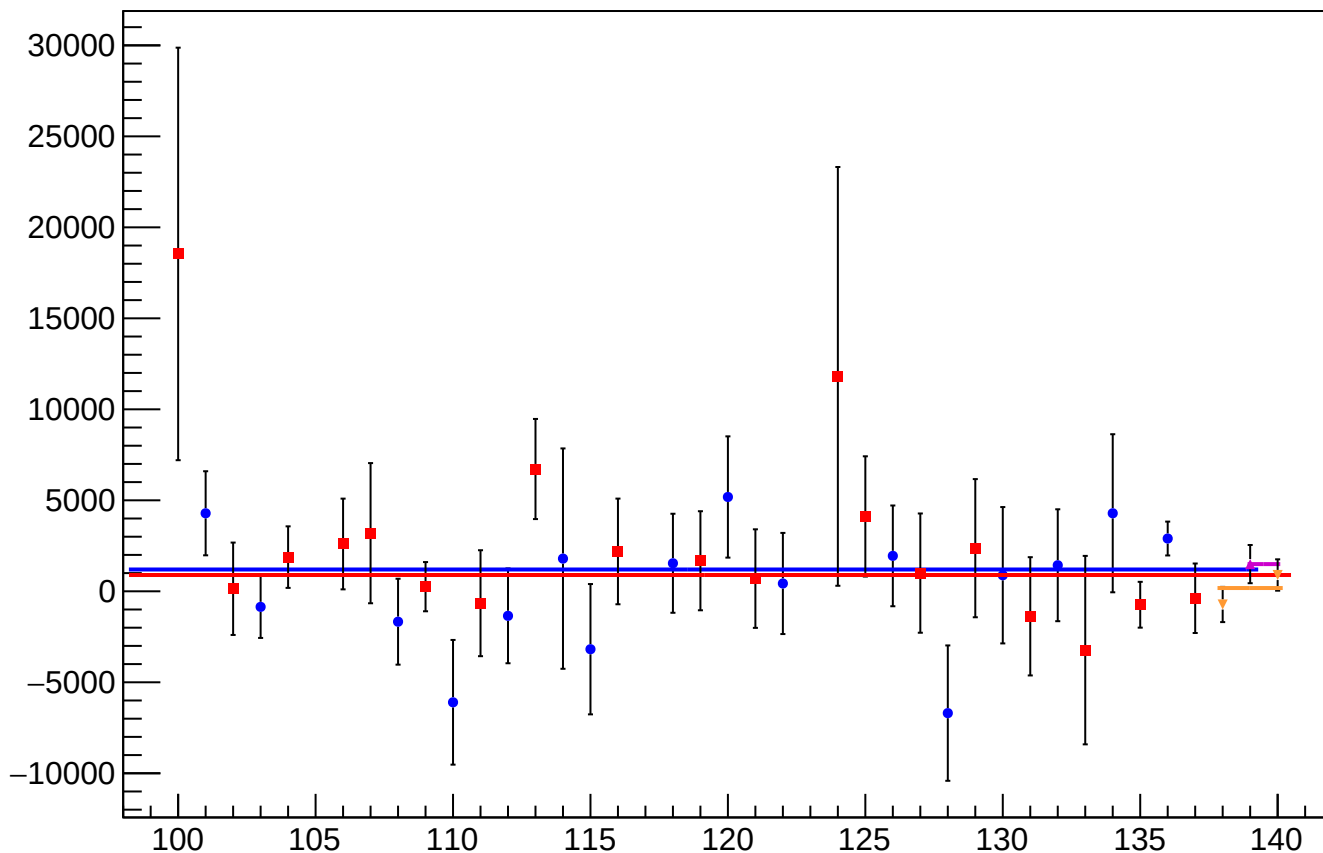
Right Out: 1603.464+/-0.427 χ^2 /NDF: 425793.4/18

All: 1637.249+/-0.285 χ^2 /NDF: 909430.5/37

- sign 1622.899+/-0.408 χ^2 /NDF: 450581.8/19

Left In: 1835.626+/-1.412 χ^2 /NDF:0.0/0

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2 /NDF: 21.7/15

Left Out: 179.267 $\pm$ 643.373 χ^2 /NDF:1.6/1

Right Out: 895.463 $\pm$ 556.666 χ^2 /NDF: 14.2/18

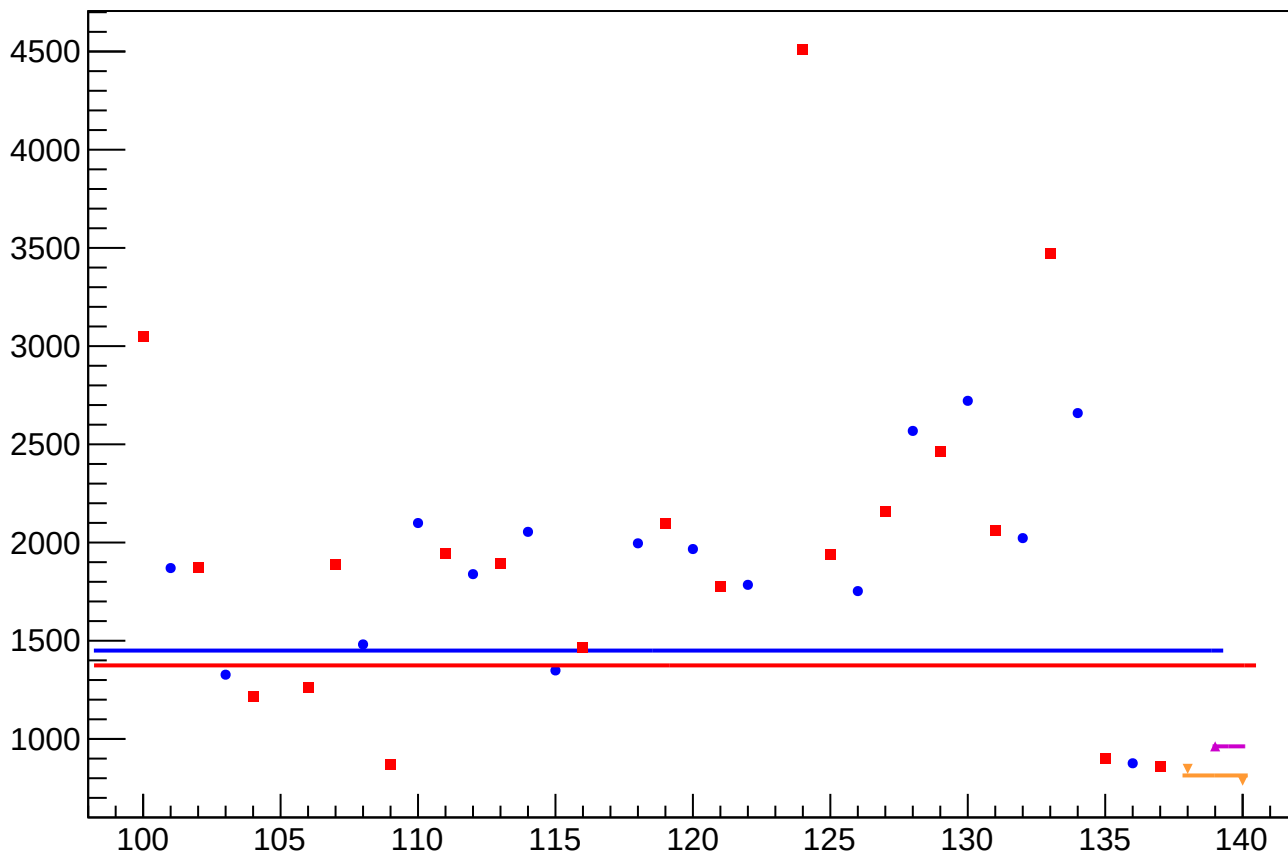
Left In: 1494.357 $\pm$ 1050.148 χ^2 /NDF:0.0/0

+ sign 742.982 $\pm$ 430.067 χ^2 /NDF: 24.6/17

All: 865.973 $\pm$ 323.753 χ^2 /NDF: 39.3/37

- sign 1026.832 $\pm$ 491.838 χ^2 /NDF: 14.5/19

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF : 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF : 4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF : 2127695.6/18

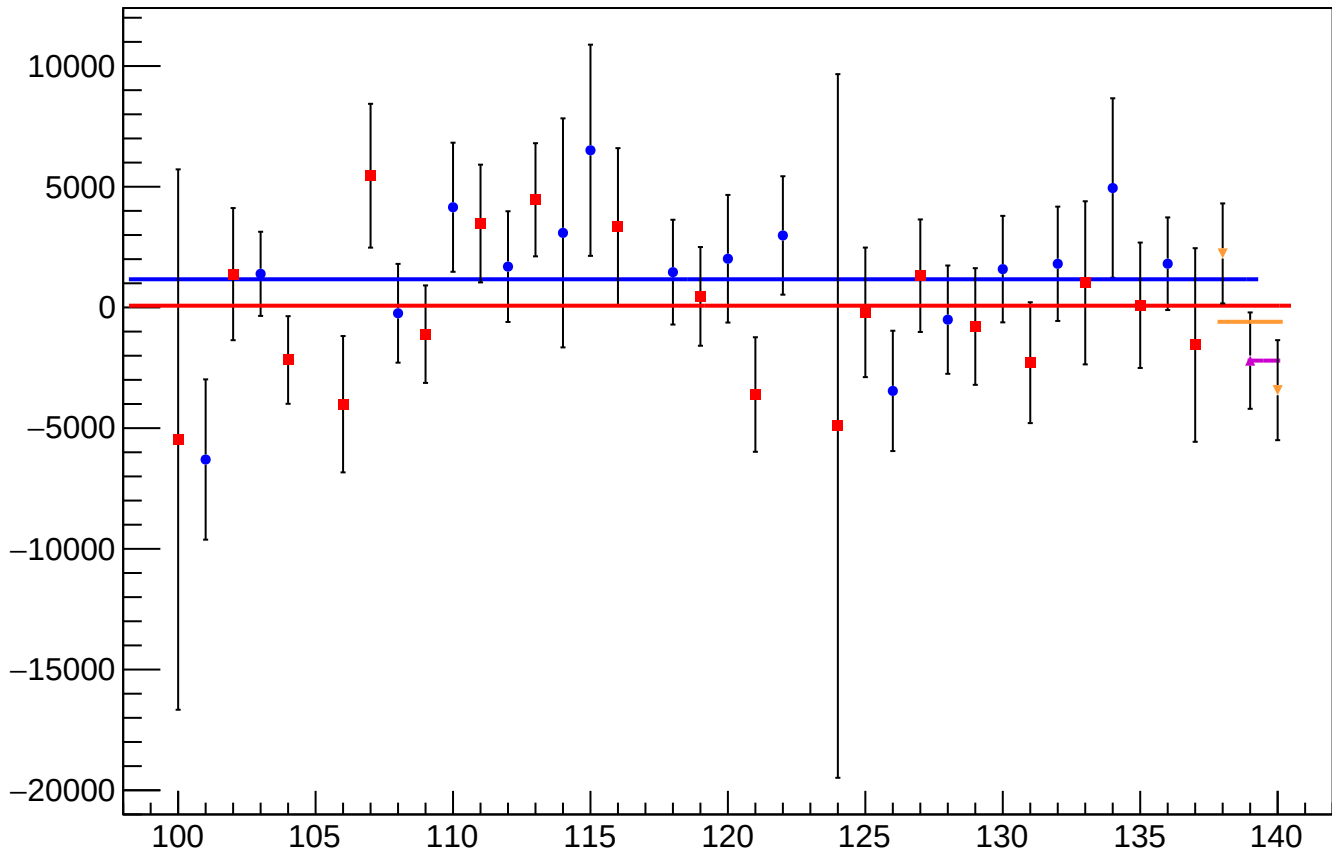
Left In: 962.285+/-0.743 χ^2/NDF : 0.0/0

+ sign 1165.843+/-0.304 χ^2/NDF : 2877418.2/17

All: 1217.053+/-0.229 χ^2/NDF : 5311051.8/37

- sign 1284.031+/-0.348 χ^2/NDF : 2368186.9/19

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: -594.494 $\pm$ 1464.526 χ^2 /NDF:3.7/1

Right Out: 72.499 $\pm$ 603.362 χ^2 /NDF: 18.3/18

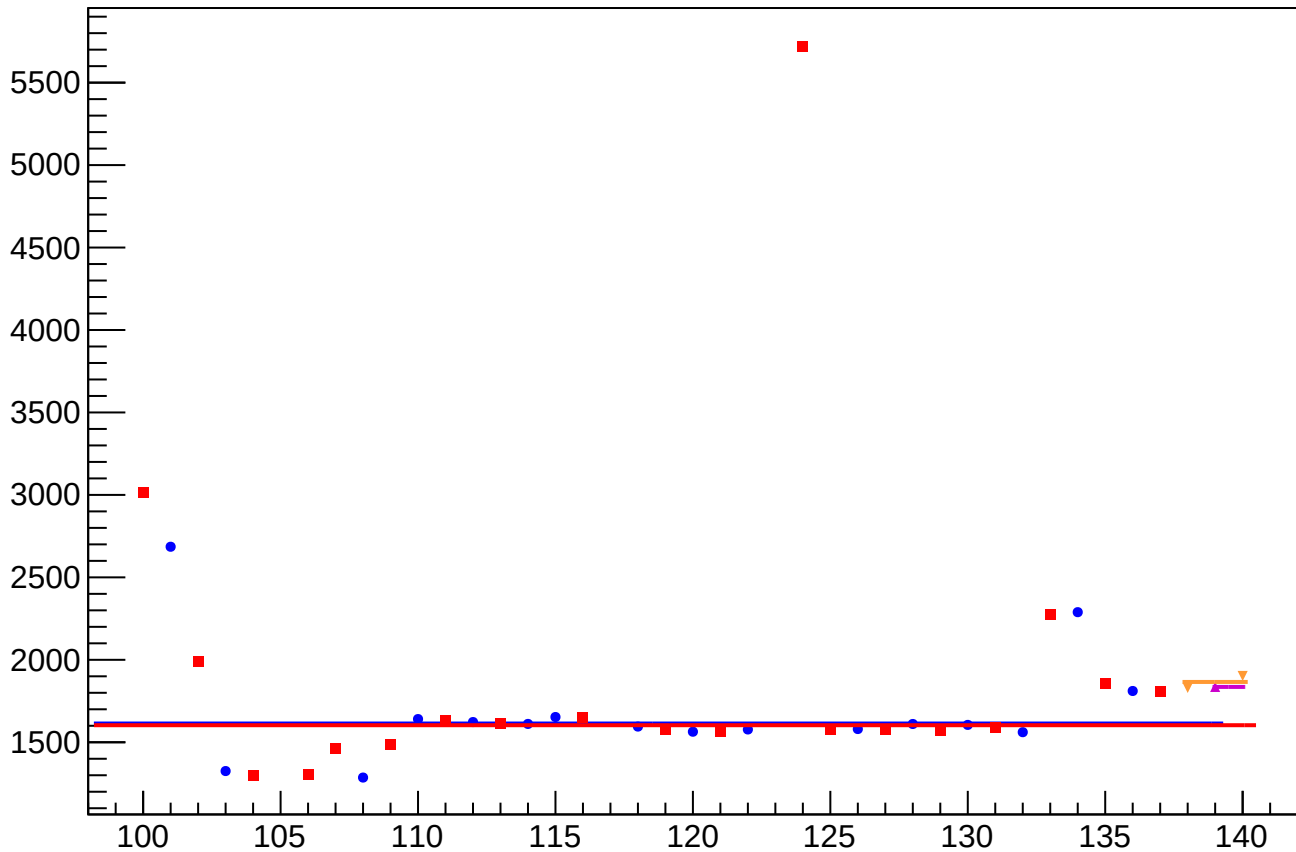
Left In: -2202.640 $\pm$ 1996.173 χ^2 /NDF:0.0/0

+ sign 906.990 $\pm$ 562.455 χ^2 /NDF: 19.4/17

All: 408.090 $\pm$ 402.948 χ^2 /NDF: 40.5/37

- sign -117.958 $\pm$ 577.555 χ^2 /NDF: 19.5/19

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2 /NDF: 404688.8/15

Left Out: 1865.788+/-1.036 χ^2 /NDF:1226.8/1

+ sign 1650.859+/-0.398 χ^2 /NDF: 456443.0/17

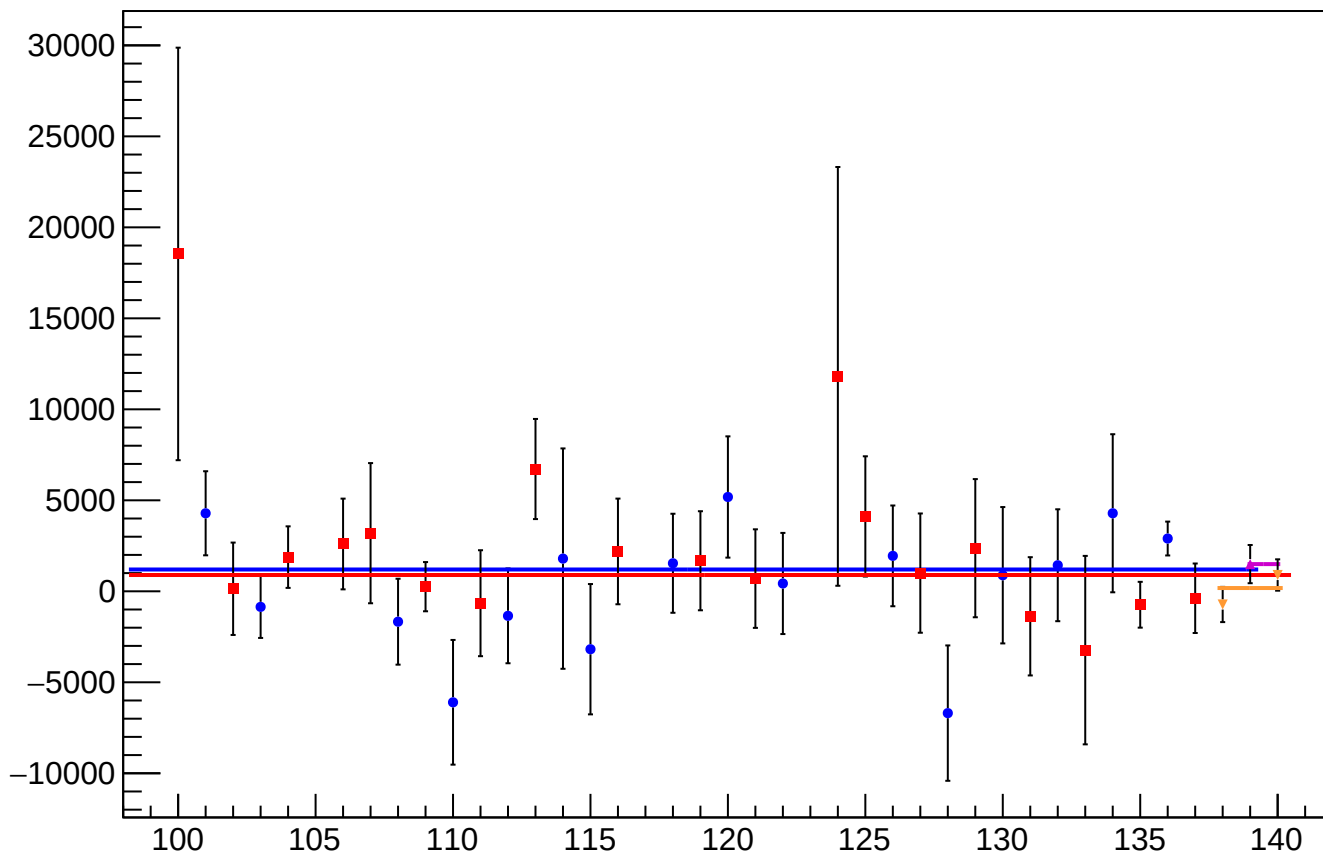
Right Out: 1603.464+/-0.427 χ^2 /NDF: 425793.4/18

All: 1637.249+/-0.285 χ^2 /NDF: 909430.5/37

- sign 1622.899+/-0.408 χ^2 /NDF: 450581.8/19

Left In: 1835.626+/-1.412 χ^2 /NDF:0.0/0

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2 /NDF: 21.7/15

Left Out: 179.267 $\pm$ 643.373 χ^2 /NDF:1.6/1

Right Out: 895.463 $\pm$ 556.666 χ^2 /NDF: 14.2/18

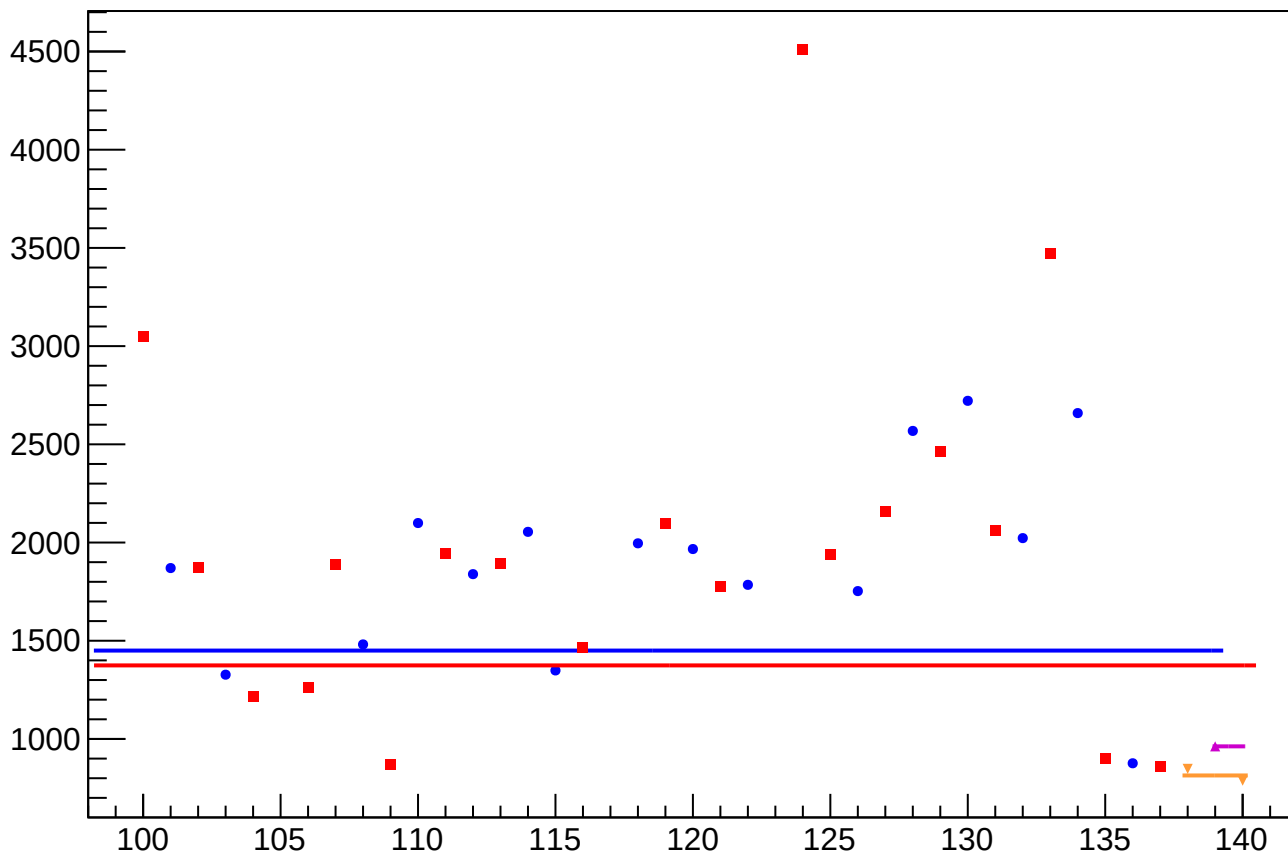
Left In: 1494.357 $\pm$ 1050.148 χ^2 /NDF:0.0/0

+ sign 742.982 $\pm$ 430.067 χ^2 /NDF: 24.6/17

All: 865.973 $\pm$ 323.753 χ^2 /NDF: 39.3/37

- sign 1026.832 $\pm$ 491.838 χ^2 /NDF: 14.5/19

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF : 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF : 4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF : 2127695.6/18

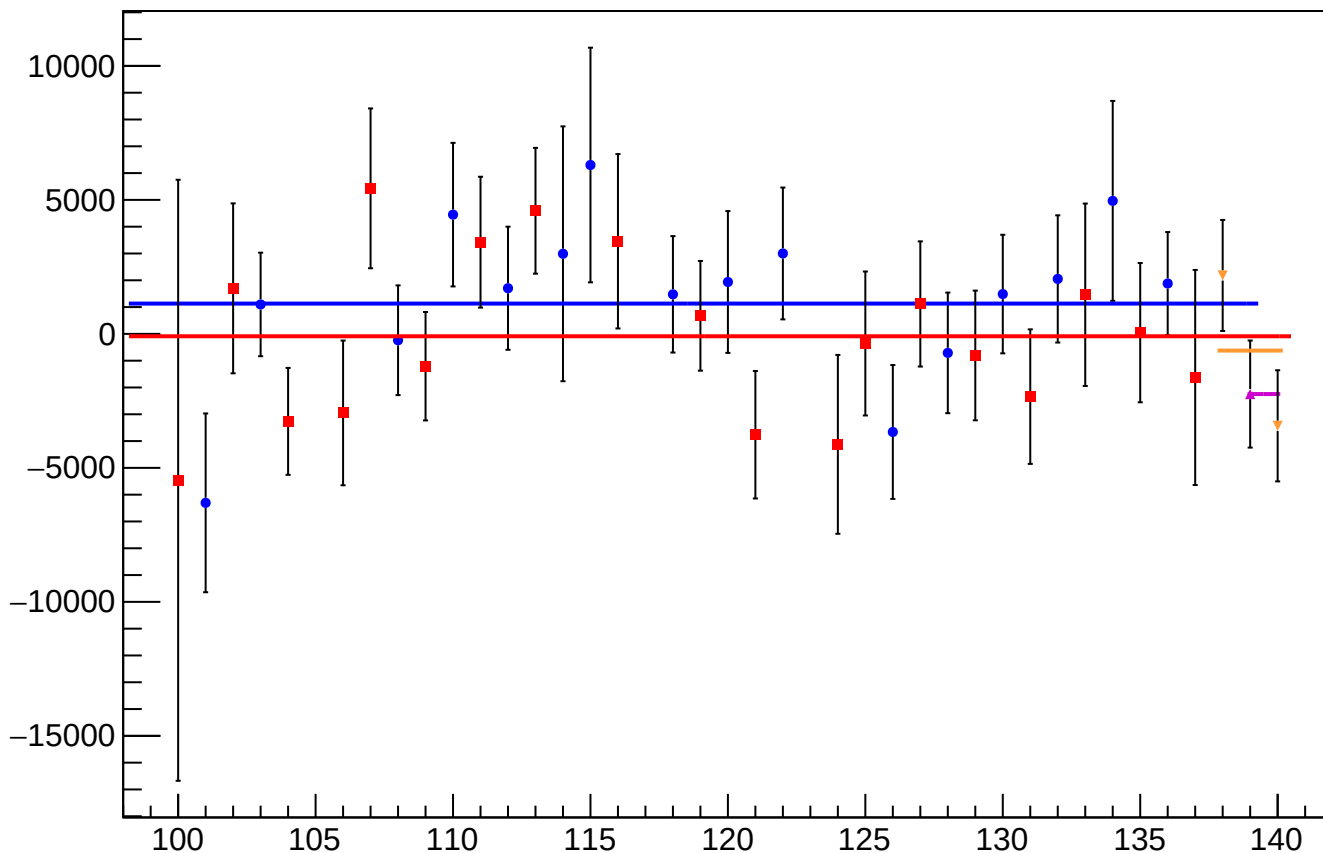
Left In: 962.285+/-0.743 χ^2/NDF : 0.0/0

+ sign 1165.843+/-0.304 χ^2/NDF : 2877418.2/17

All: 1217.053+/-0.229 χ^2/NDF : 5311051.8/37

- sign 1284.031+/-0.348 χ^2/NDF : 2368186.9/19

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: -622.901 $\pm$ 1465.799 χ^2 /NDF: 3.7/1

Right Out: -89.220 $\pm$ 603.072 χ^2 /NDF: 20.7/18

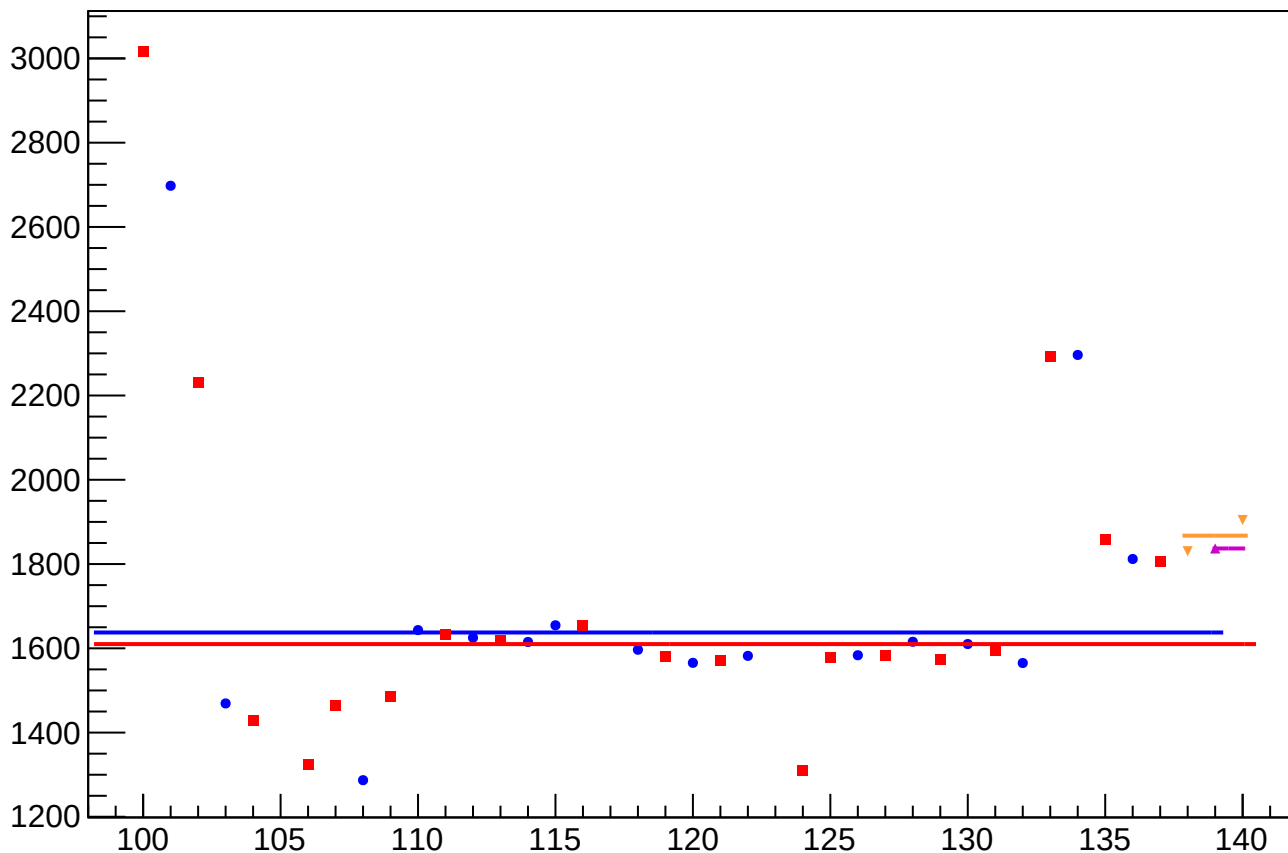
Left In: -2245.462 $\pm$ 1997.745 χ^2 /NDF: 0.0/0

+ sign 866.609 $\pm$ 568.859 χ^2 /NDF: 19.9/17

All: 307.056 $\pm$ 405.209 χ^2 /NDF: 43.6/37

- sign -269.306 $\pm$ 577.339 χ^2 /NDF: 21.8/19

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361417.0/15

Left Out: 1867.396+/-1.036 χ^2/NDF :1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.5/18

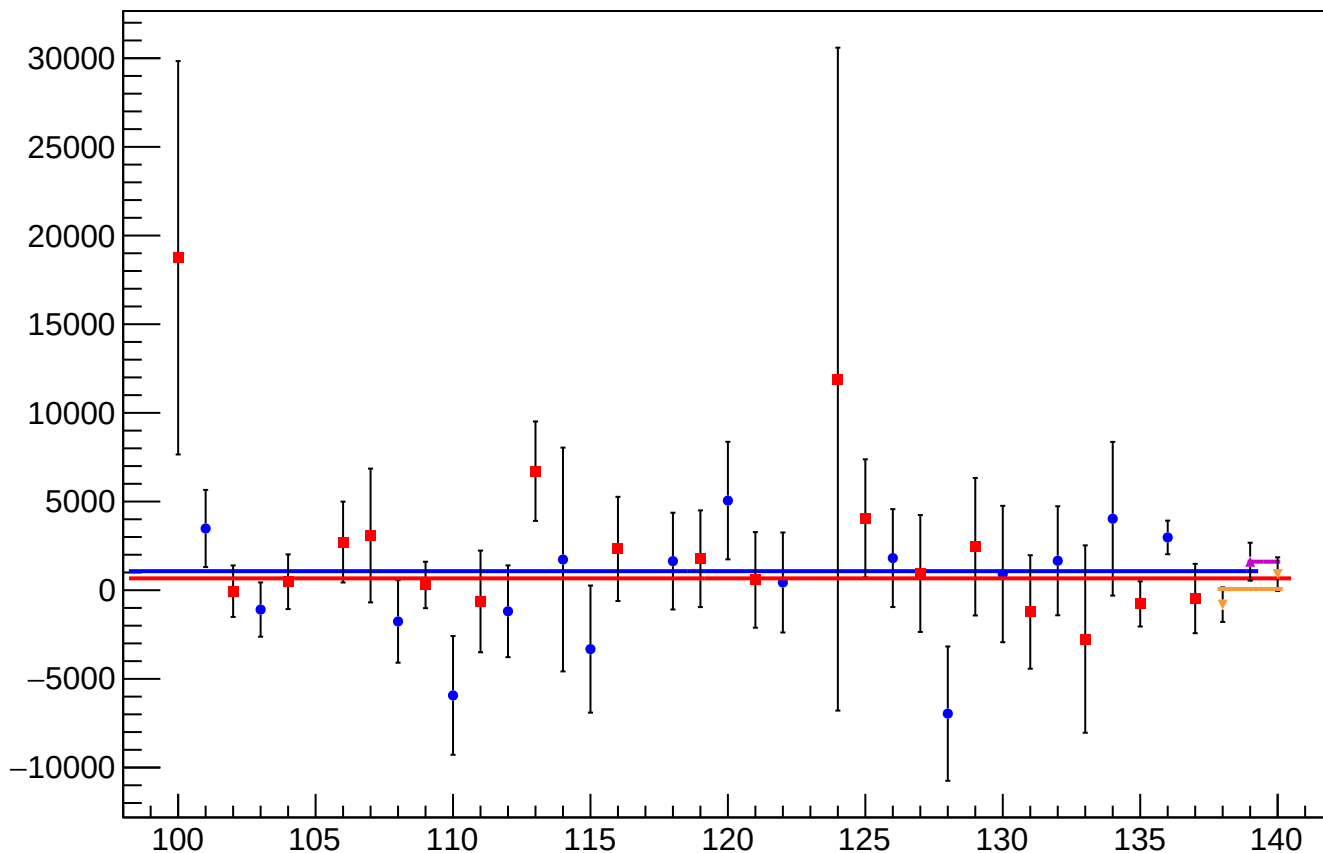
Left In: 1836.991+/-1.413 χ^2/NDF :0.0/0

+ sign 1672.188+/-0.402 χ^2/NDF : 404457.4/17

All: 1650.912+/-0.287 χ^2/NDF : 714604.2/37

- sign 1628.997+/-0.408 χ^2/NDF : 304467.6/19

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF : 22.0/15

Left Out: 69.256+/-679.285 χ^2/NDF : 1.6/1

Right Out: 667.777+/-523.477 χ^2/NDF : 13.6/18

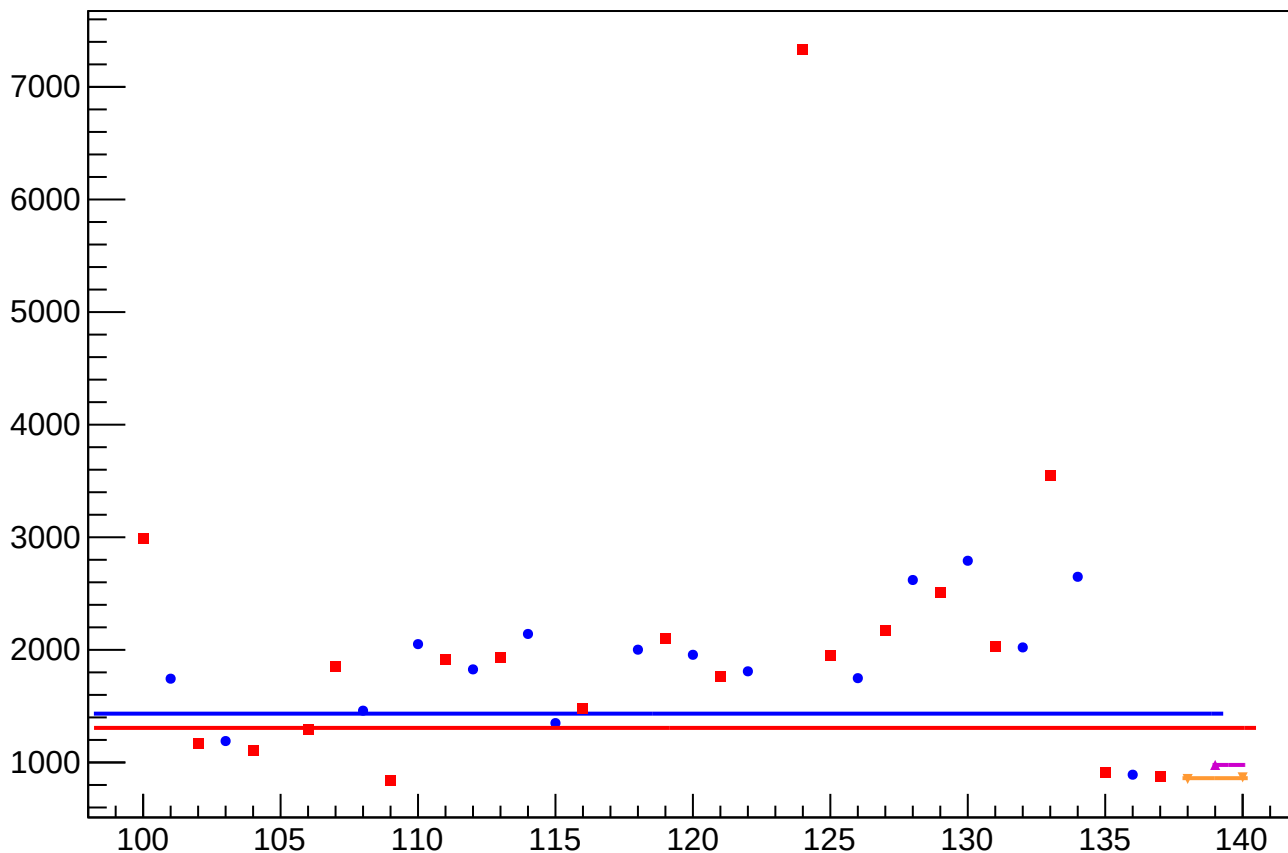
Left In: 1608.746+/-1069.671 χ^2/NDF : 0.0/0

+ sign 657.246+/-437.363 χ^2/NDF : 24.9/17

All: 746.469+/-320.240 χ^2/NDF : 39.2/37

- sign 849.590+/-470.192 χ^2/NDF : 14.2/19

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF : 1763491.8/15

Left Out: 860.401+/-0.480 χ^2/NDF :224.8/1

Right Out: 1306.866+/-0.370 χ^2/NDF : 2183906.3/18

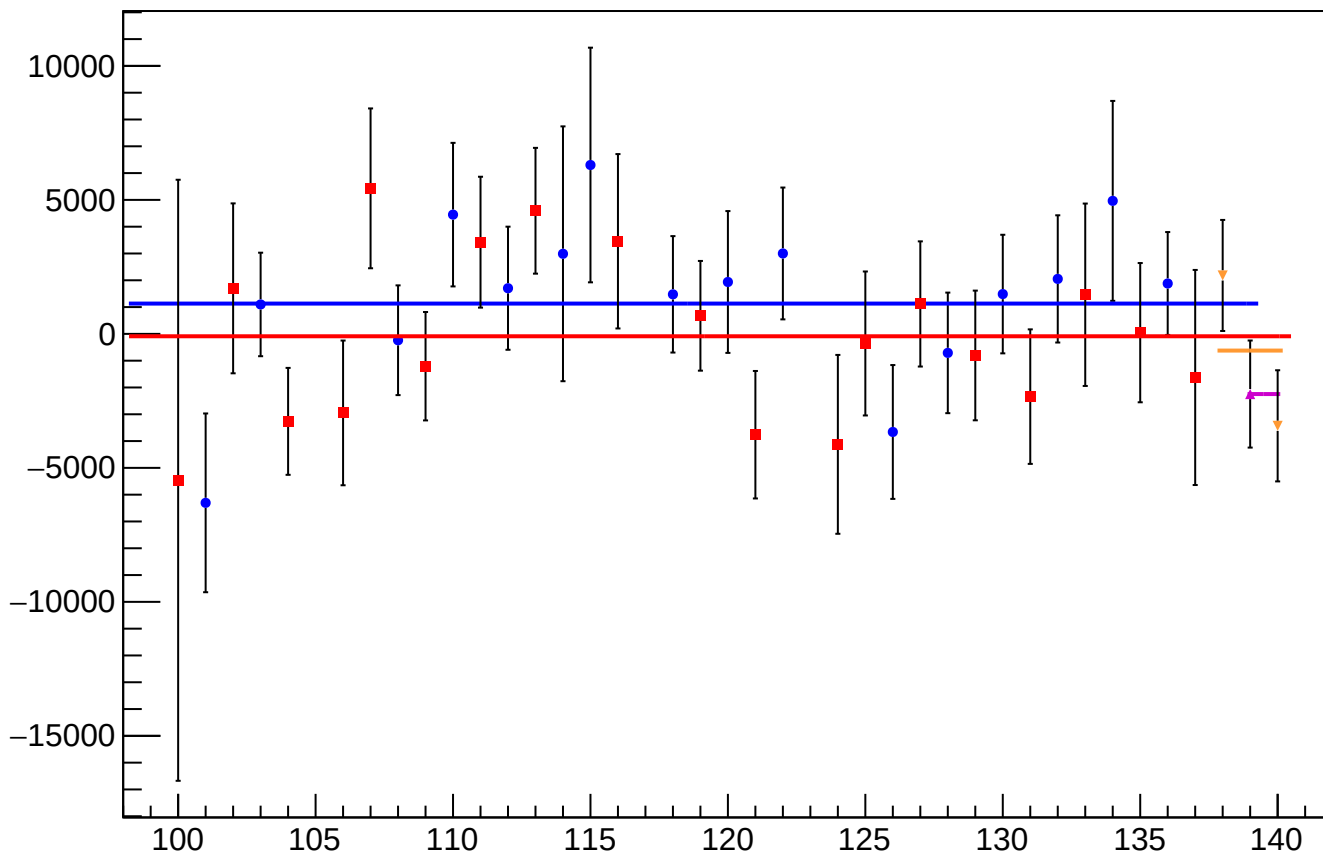
Left In: 977.920+/-0.756 χ^2/NDF :0.0/0

+ sign 1195.906+/-0.309 χ^2/NDF : 2597086.3/17

All: 1217.895+/-0.226 χ^2/NDF : 4944483.0/37

- sign 1243.308+/-0.332 χ^2/NDF : 2336499.1/19

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: -622.917 $\pm$ 1465.799 χ^2 /NDF: 3.7/1

Right Out: -89.225 $\pm$ 603.072 χ^2 /NDF: 20.7/18

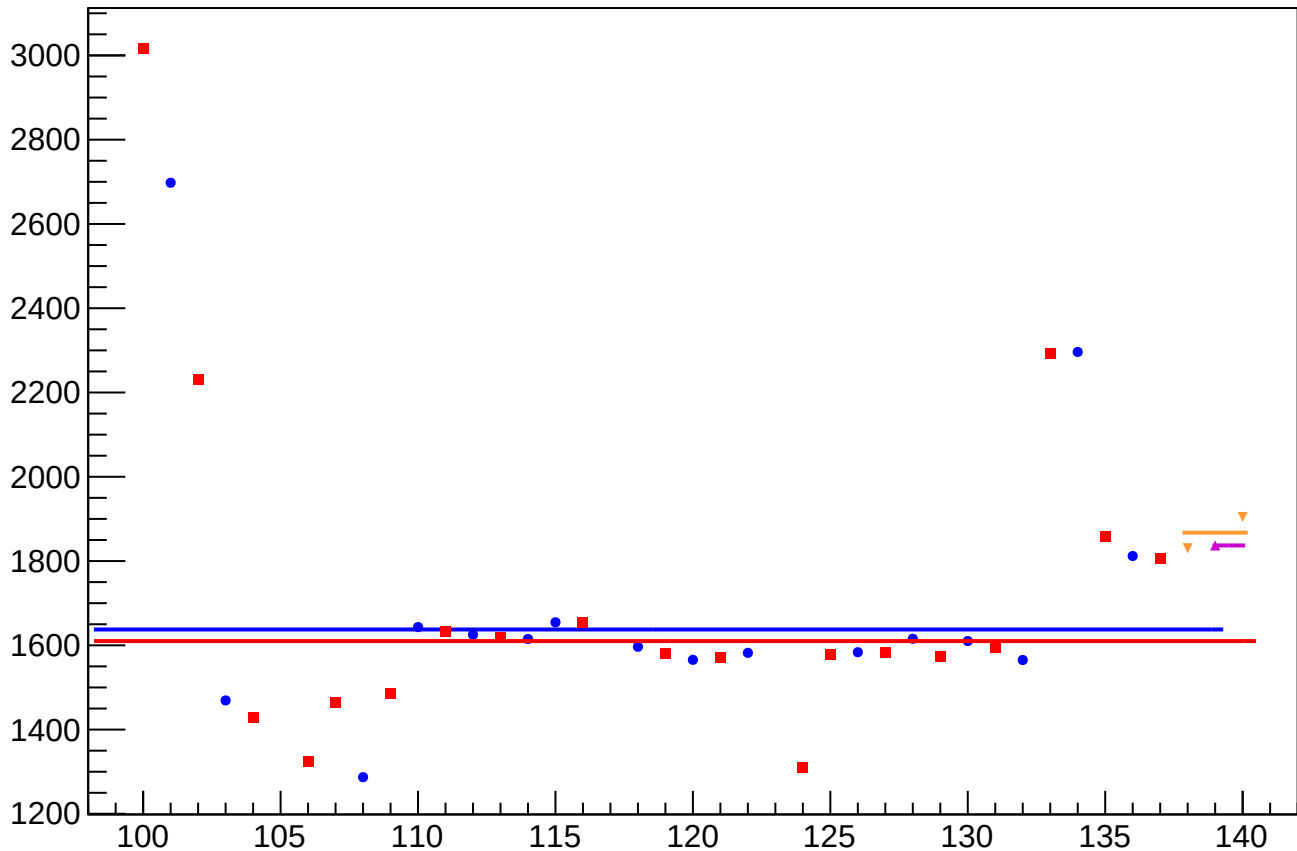
Left In: -2245.424 $\pm$ 1997.745 χ^2 /NDF: 0.0/0

+ sign 866.608 $\pm$ 568.859 χ^2 /NDF: 19.9/17

All: 307.054 $\pm$ 405.209 χ^2 /NDF: 43.6/37

- sign -269.308 $\pm$ 577.339 χ^2 /NDF: 21.8/19

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361416.8/15

Left Out: 1867.396+/-1.036 χ^2/NDF :1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.7/18

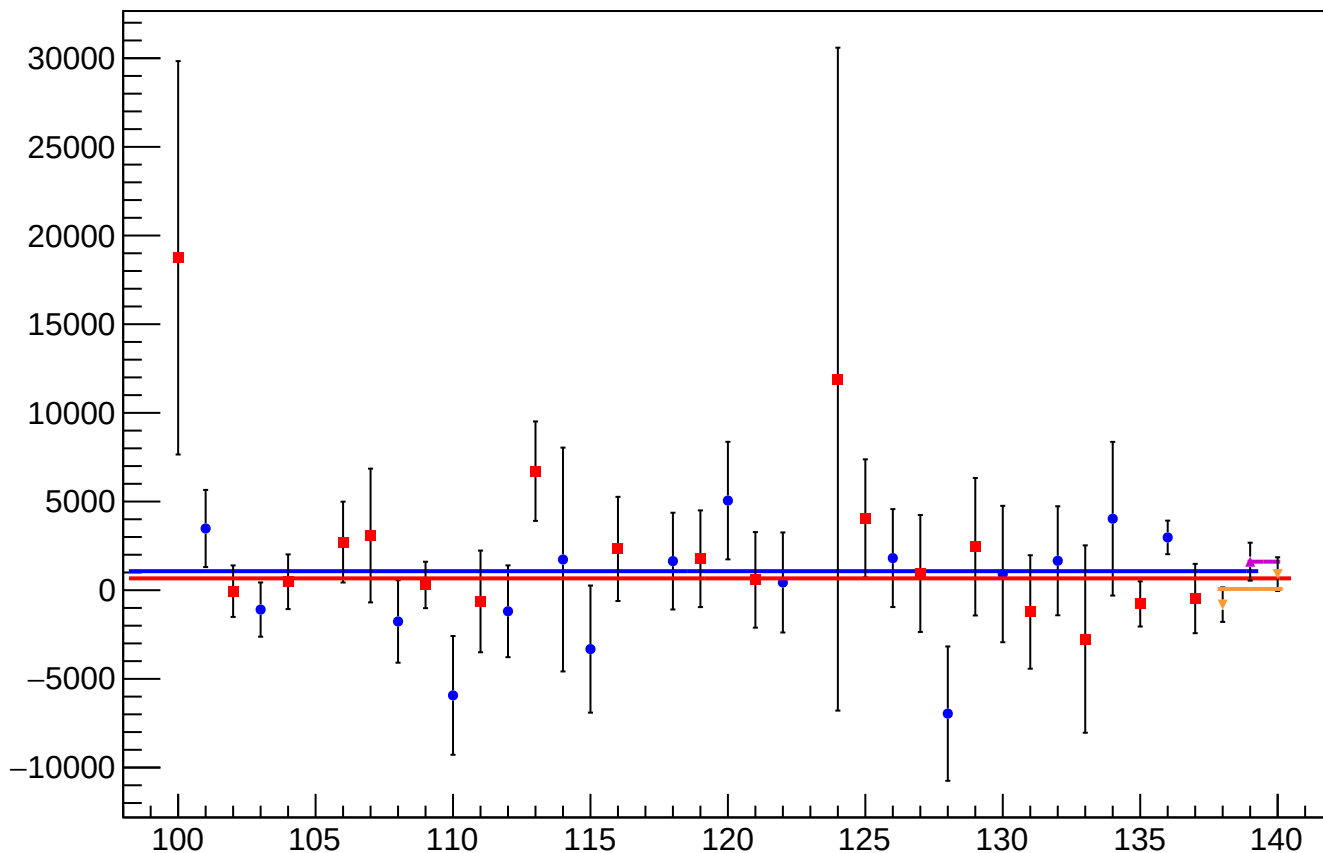
Left In: 1836.991+/-1.413 χ^2/NDF :0.0/0

+ sign 1672.188+/-0.402 χ^2/NDF : 404457.3/17

All: 1650.912+/-0.287 χ^2/NDF : 714604.4/37

- sign 1628.997+/-0.408 χ^2/NDF : 304467.9/19

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF : 22.0/15

Left Out: 69.262+/-679.299 χ^2/NDF : 1.6/1

Right Out: 667.789+/-523.481 χ^2/NDF : 13.6/18

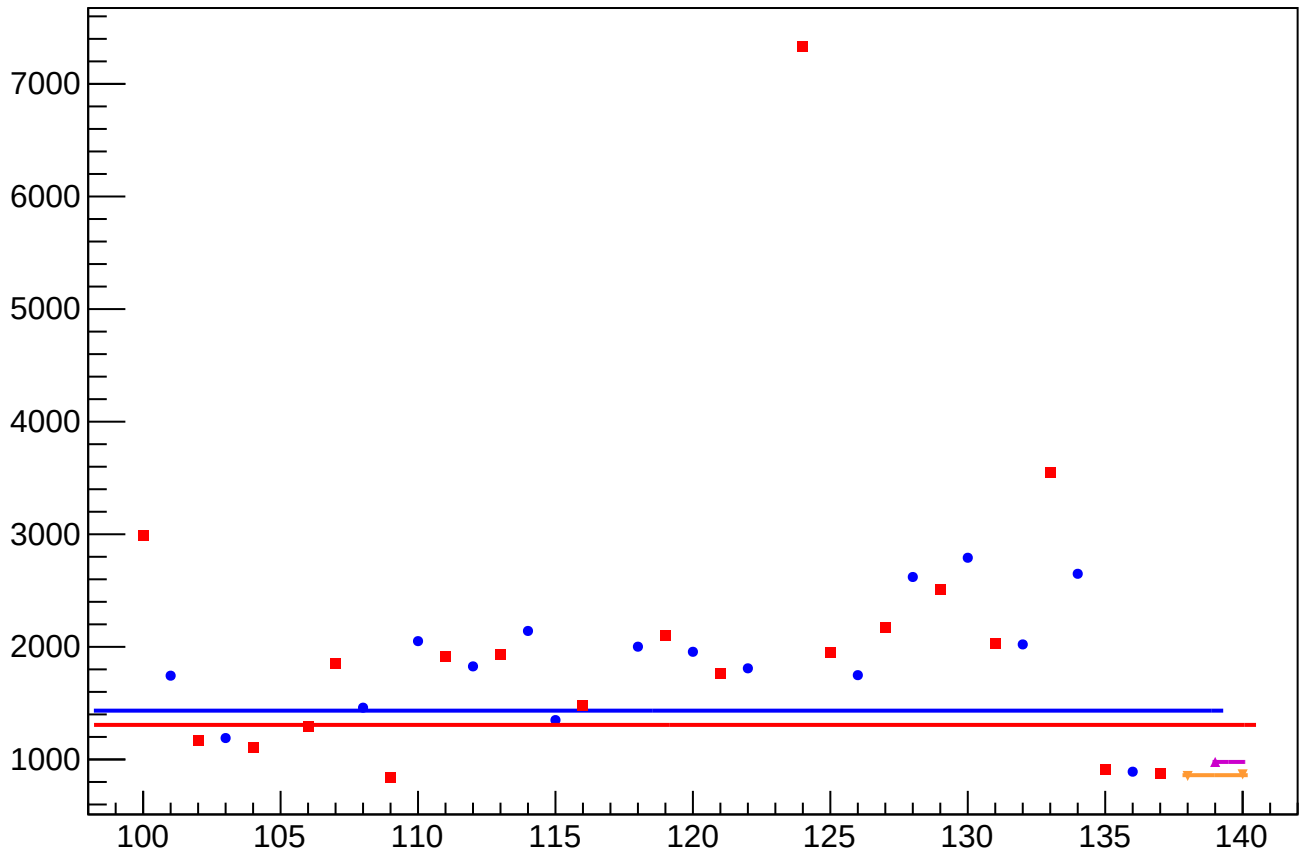
Left In: 1608.783+/-1069.700 χ^2/NDF : 0.0/0

+ sign 657.248+/-437.369 χ^2/NDF : 24.9/17

All: 746.476+/-320.244 χ^2/NDF : 39.2/37

- sign 849.601+/-470.197 χ^2/NDF : 14.2/19

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF : 1763397.4/15

Left Out: 860.417+/-0.480 χ^2/NDF :224.2/1

+ sign 1195.926+/-0.309 χ^2/NDF : 2596963.3/17

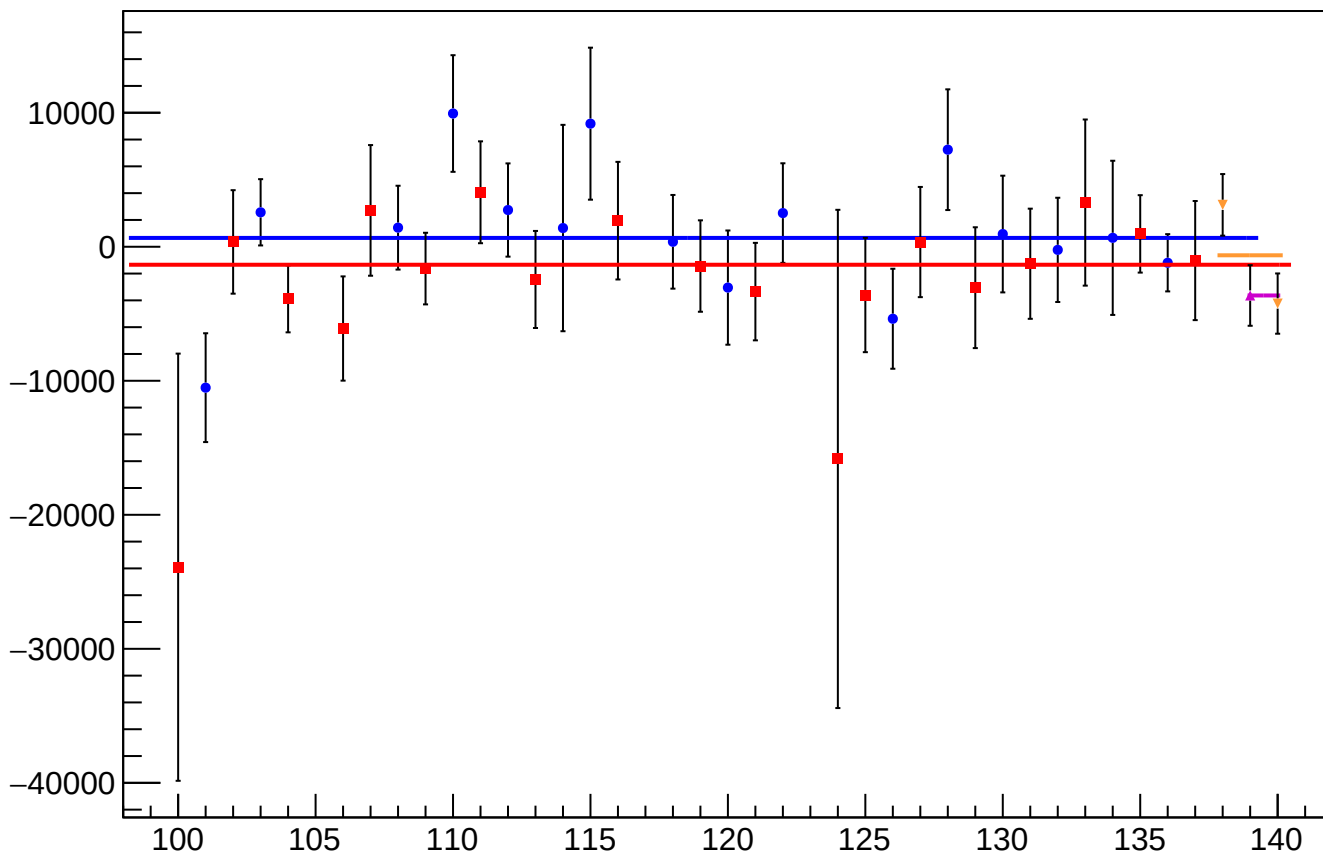
Right Out: 1306.880+/-0.370 χ^2/NDF : 2183835.0/18

All: 1217.913+/-0.226 χ^2/NDF : 4944267.8/37

- sign 1243.326+/-0.332 χ^2/NDF : 2336407.8/19

Left In: 977.948+/-0.756 χ^2/NDF :0.0/0

asym_at2_dd_mean vs Slug



Right In: 659.458 ± 909.570 χ^2/NDF : 22.0/15

Left Out: -636.755 ± 1606.961 χ^2/NDF : 5.3/1

Right Out: -1341.998 ± 890.576 χ^2/NDF : 10.8/18

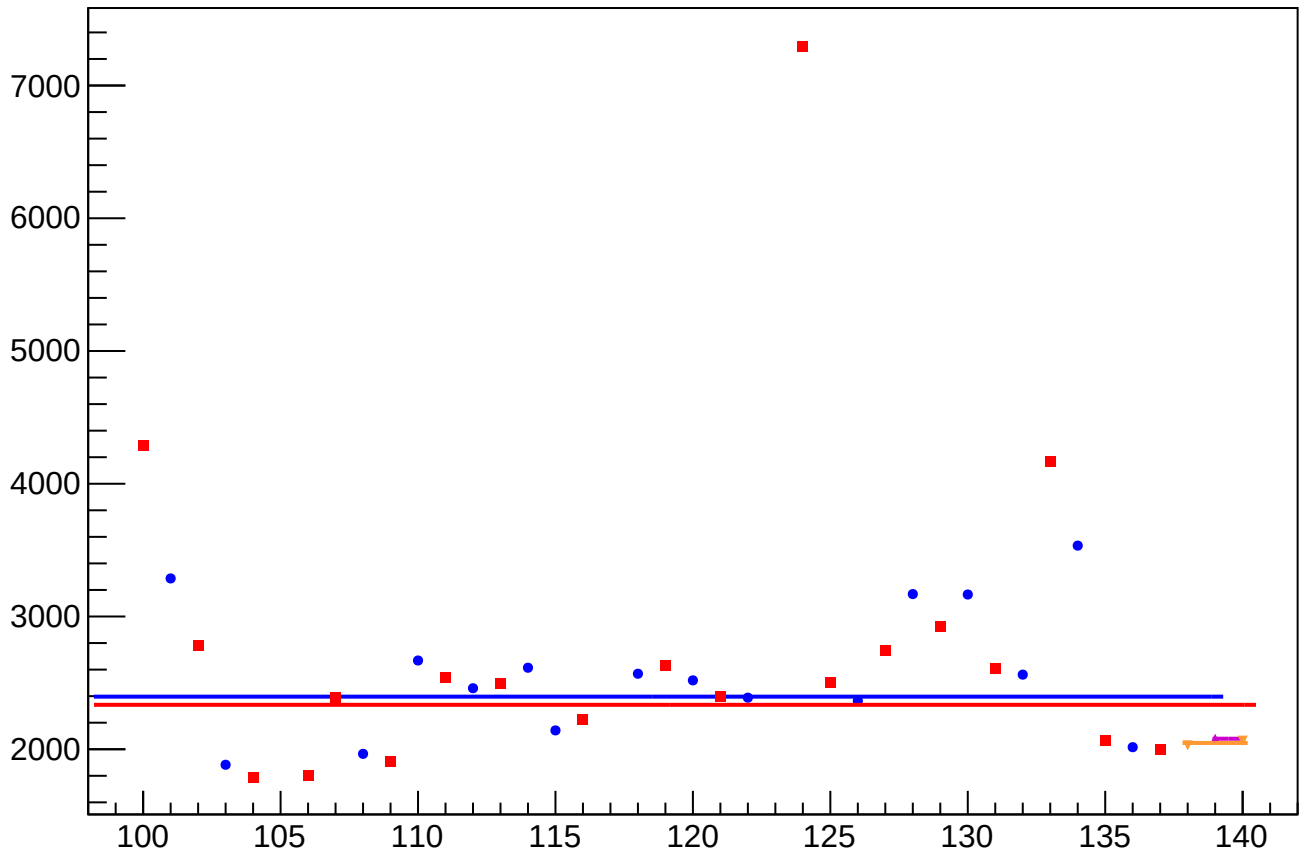
Left In: -3634.936 ± 2261.603 χ^2/NDF : 0.0/0

+ sign 344.944 ± 791.566 χ^2/NDF : 27.7/17

All: -606.811 ± 572.381 χ^2/NDF : 42.5/37

- sign -1649.817 ± 828.644 χ^2/NDF : 11.7/19

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF : 507897.2/15

Left Out: 2047.325+/-1.136 χ^2/NDF : 237.0/1

Right Out: 2334.592+/-0.630 χ^2/NDF : 681568.6/18

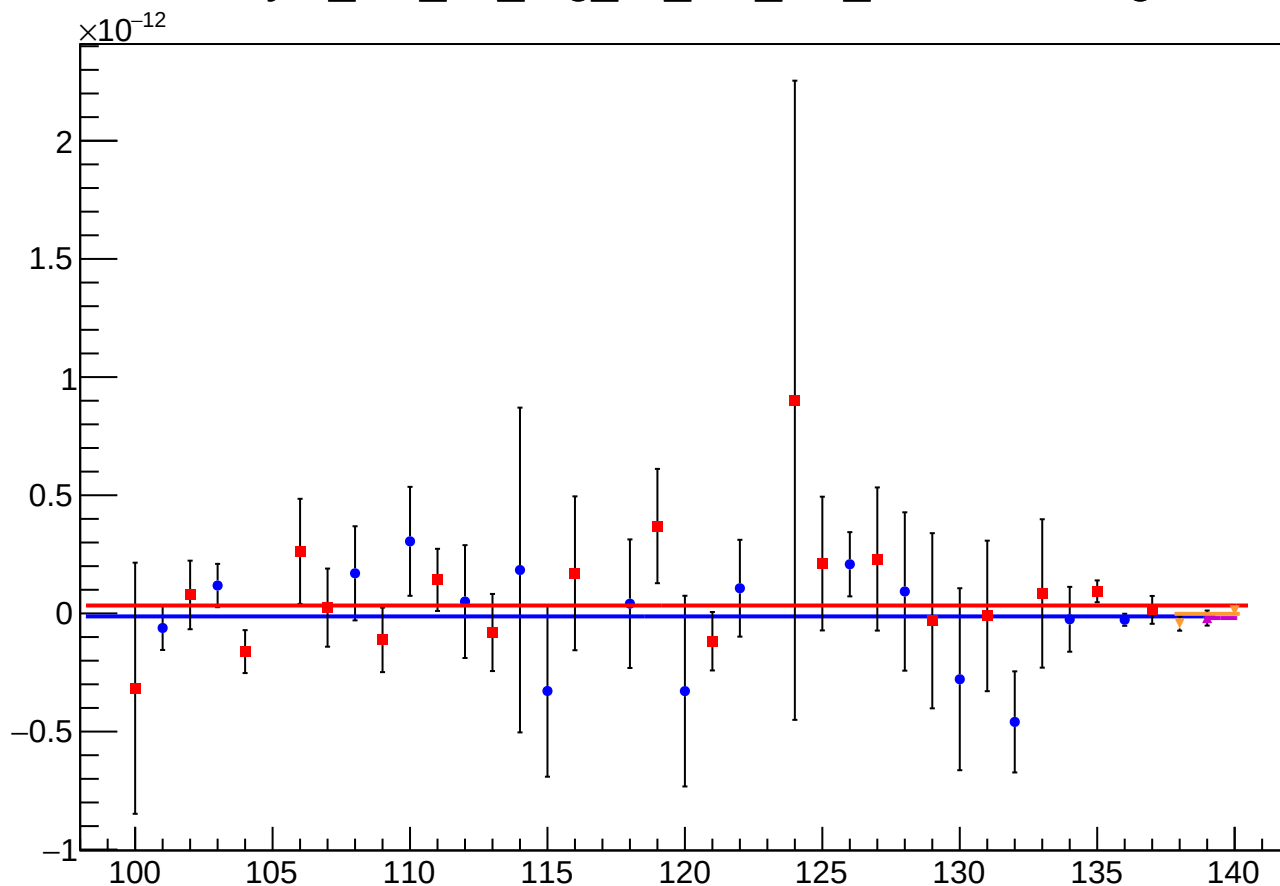
Left In: 2079.346+/-1.599 χ^2/NDF : 0.0/0

+ sign 2311.606+/-0.560 χ^2/NDF : 579559.1/17

All: 2306.225+/-0.405 χ^2/NDF : 1283376.8/37

- sign 2300.327+/-0.586 χ^2/NDF : 703623.9/19

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 2.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.2/18

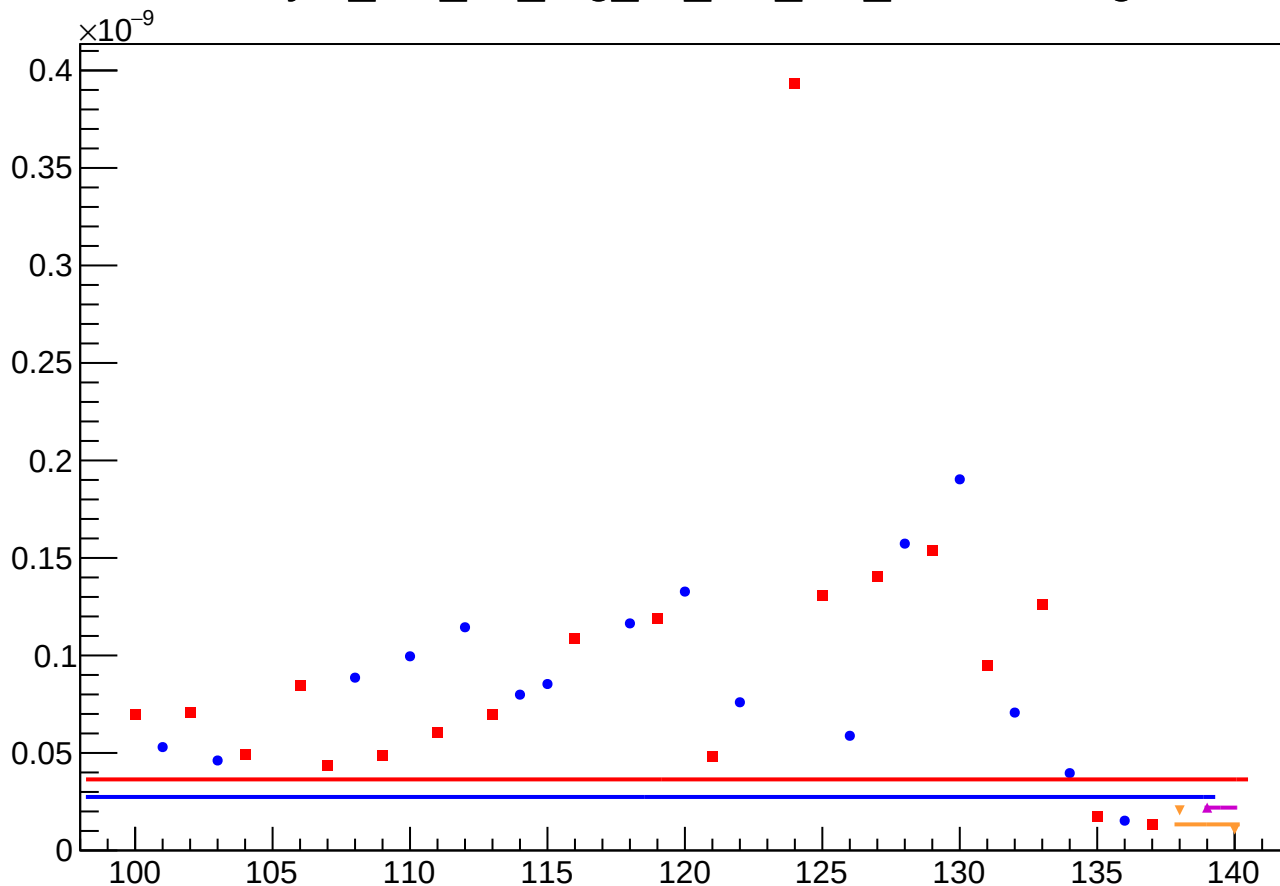
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 17.3/17

All: -0.000 ± 0.000 χ^2/NDF : 34.5/37

- sign 0.000 ± 0.000 χ^2/NDF : 16.8/19

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 : 146882.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2442395.8/18

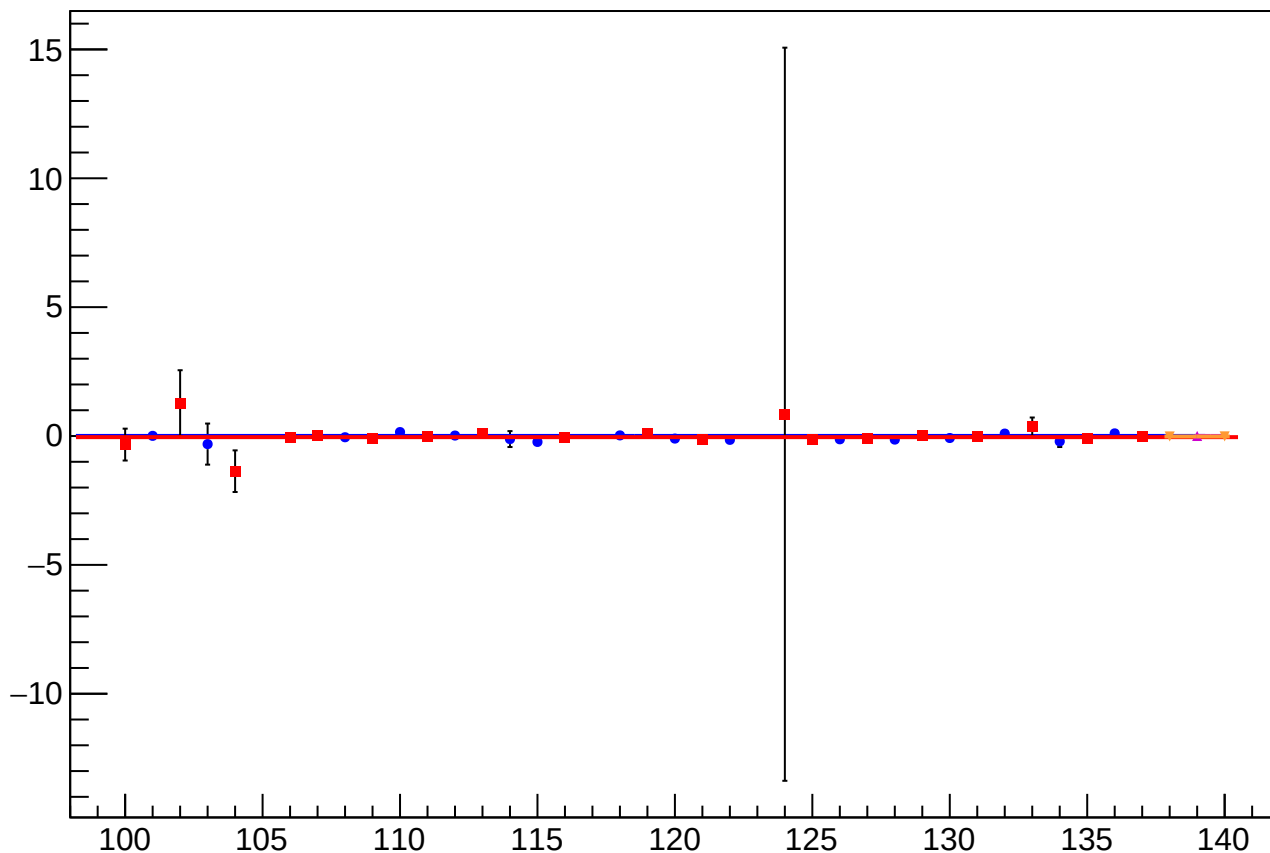
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3400864.9/17

All: 0.000+/-0.000 χ^2/NDF : 6538591.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2675256.4/19

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 $\chi^2/\text{NDF}: 13.3/15$

Left Out: -0.017 ± 0.040 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -0.044 ± 0.025 $\chi^2/\text{NDF}: 12.7/18$

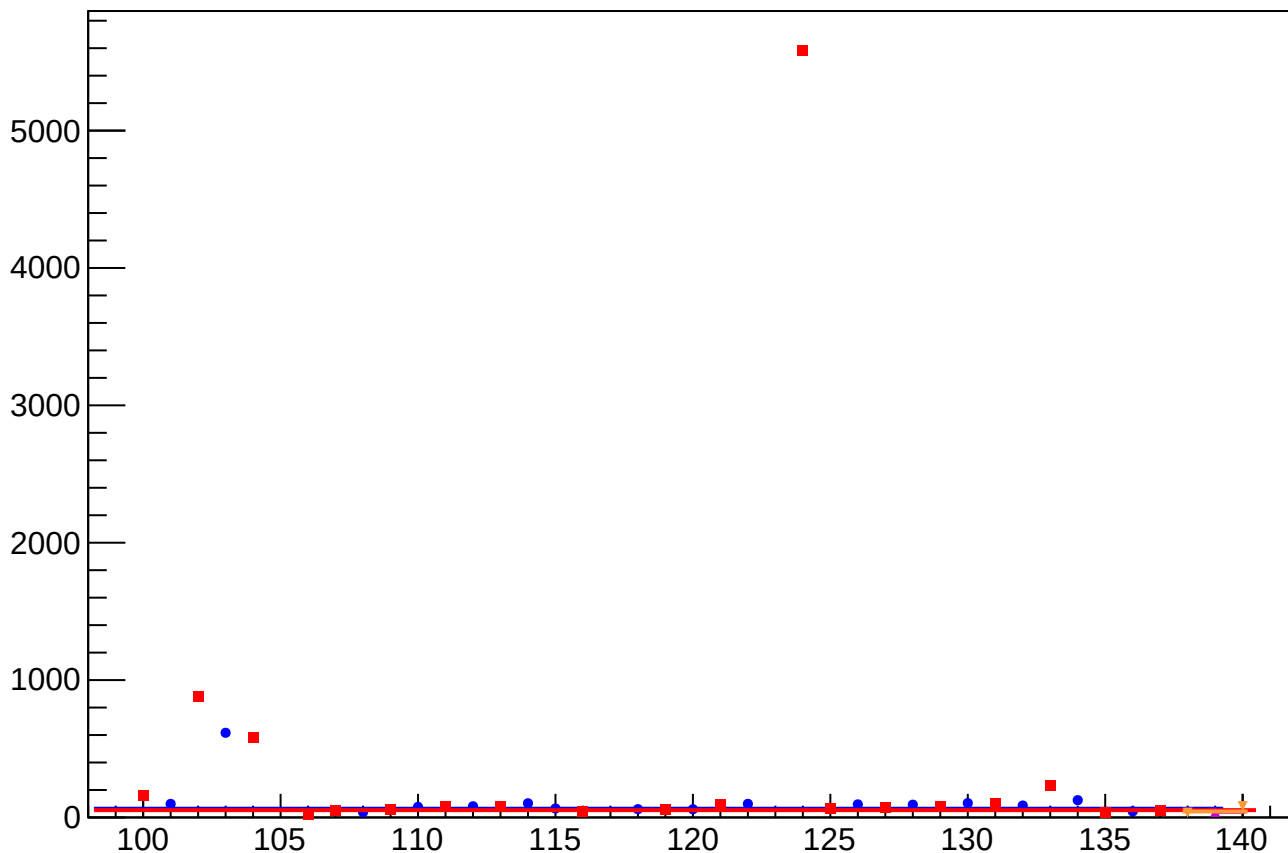
Left In: 0.002 ± 0.049 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.003 ± 0.022 $\chi^2/\text{NDF}: 13.5/17$

All: -0.019 ± 0.016 $\chi^2/\text{NDF}: 27.8/37$

- sign -0.034 ± 0.022 $\chi^2/\text{NDF}: 13.4/19$

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF : 2445255.1/15

Left Out: 43.724+/-0.028 χ^2/NDF : 432172.9/1

Right Out: 53.206+/-0.018 χ^2/NDF : 3945779.6/18

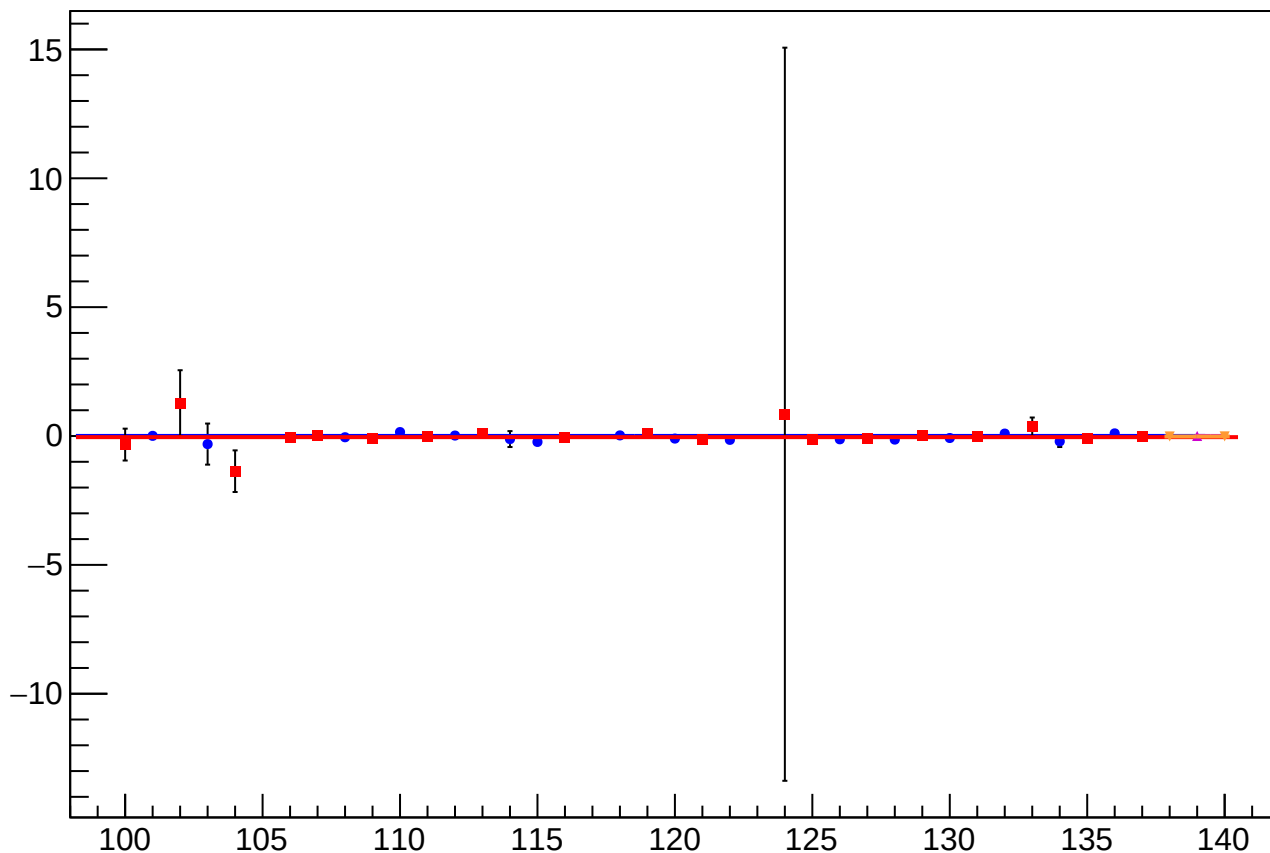
Left In: 40.730+/-0.035 χ^2/NDF : 0.0/0

+ sign 57.169+/-0.016 χ^2/NDF : 3212329.9/17

All: 53.885+/-0.011 χ^2/NDF : 7344659.4/37

- sign 50.682+/-0.016 χ^2/NDF : 4047897.0/19

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.027 χ^2 /NDF: 13.3/15

Left Out: -0.017 $\pm$ 0.040 χ^2 /NDF: 0.0/1

Right Out: -0.044 $\pm$ 0.025 χ^2 /NDF: 12.7/18

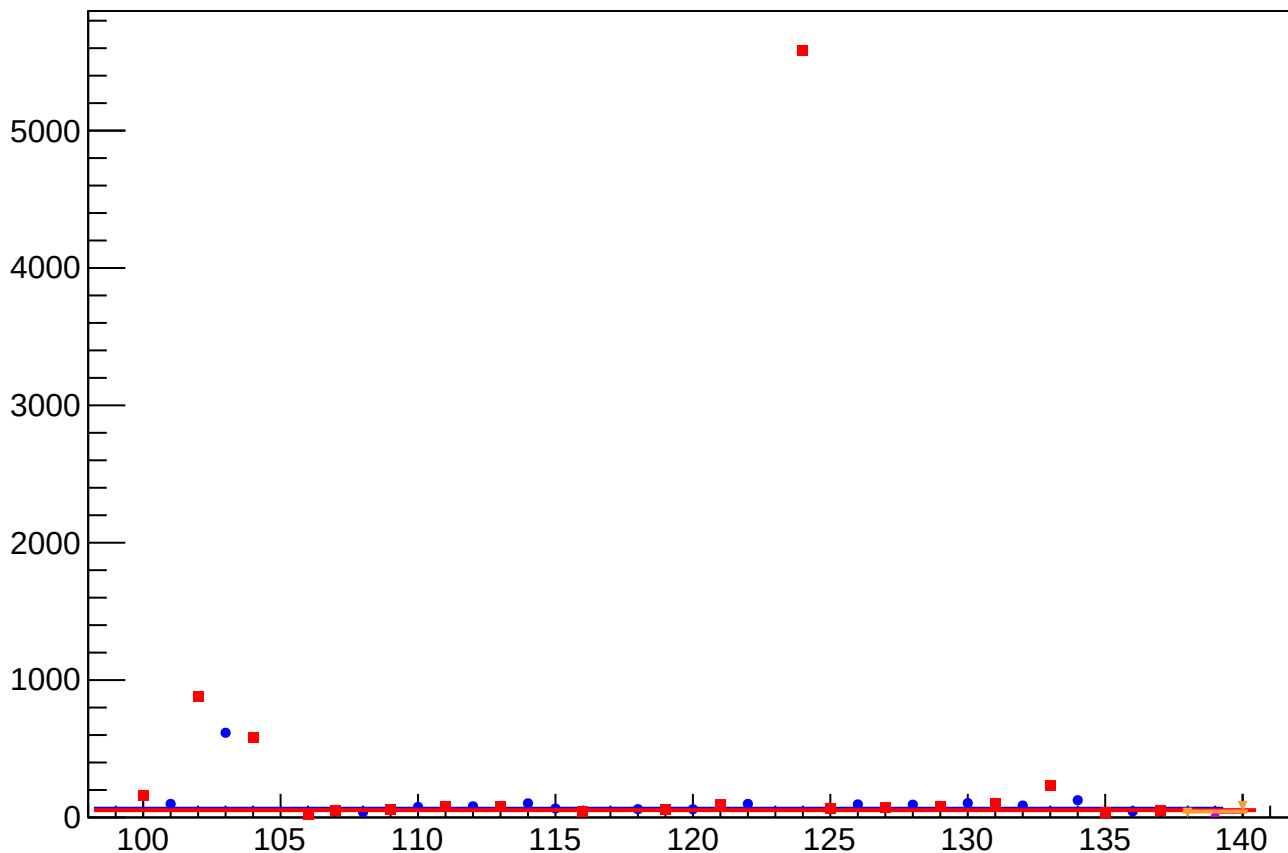
Left In: 0.002 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign -0.003 $\pm$ 0.022 χ^2 /NDF: 13.5/17

All: -0.019 $\pm$ 0.016 χ^2 /NDF: 27.8/37

- sign -0.034 $\pm$ 0.022 χ^2 /NDF: 13.4/19

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454 $\pm$ 0.019 χ^2 /NDF: 2445255.1/15

Left Out: 43.724 $\pm$ 0.028 χ^2 /NDF: 432172.9/1

Right Out: 53.206 $\pm$ 0.018 χ^2 /NDF: 3945779.6/18

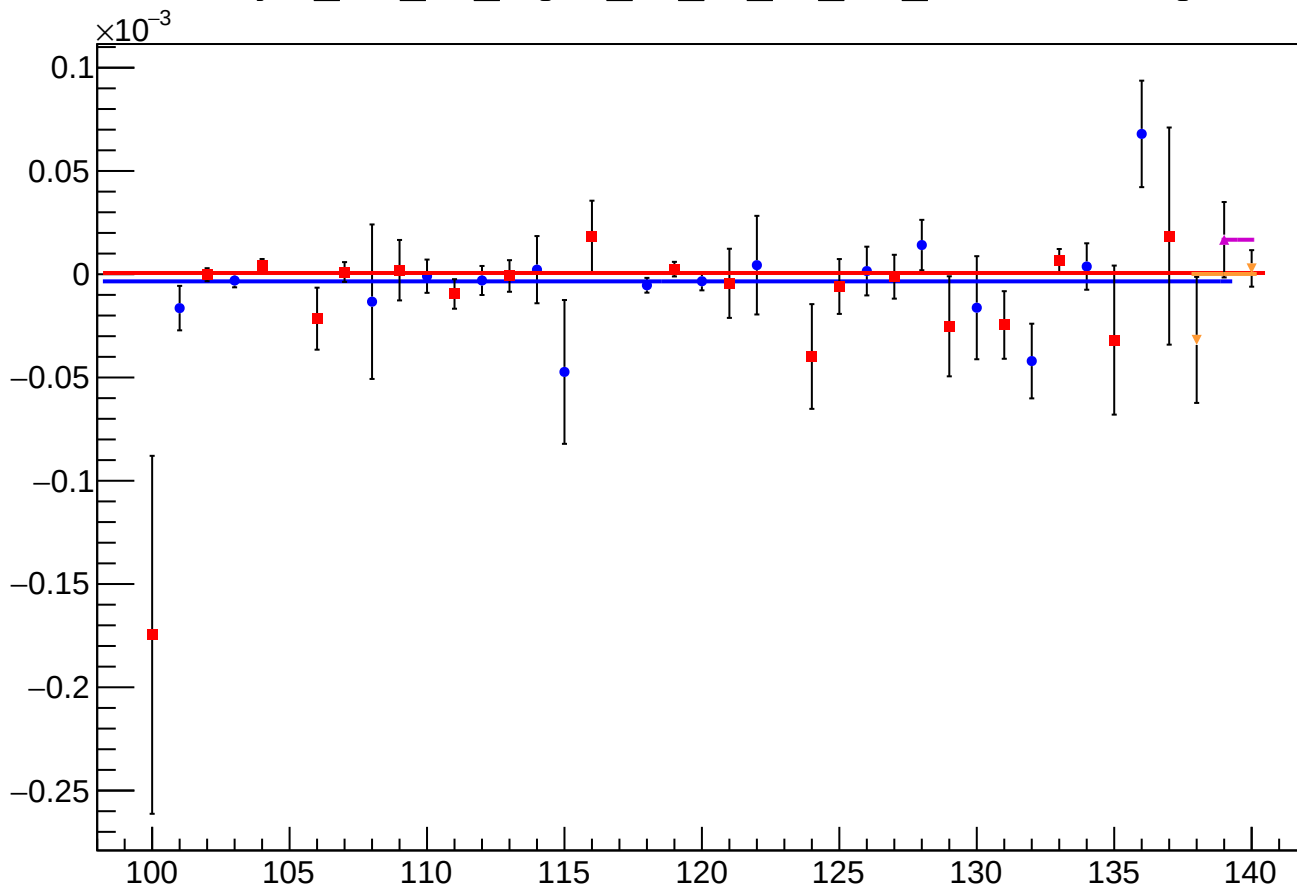
Left In: 40.730 $\pm$ 0.035 χ^2 /NDF: 0.0/0

+ sign 57.169 $\pm$ 0.016 χ^2 /NDF: 3212329.9/17

All: 53.885 $\pm$ 0.011 χ^2 /NDF: 7344659.4/37

- sign 50.682 $\pm$ 0.016 χ^2 /NDF: 4047897.0/19

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/18

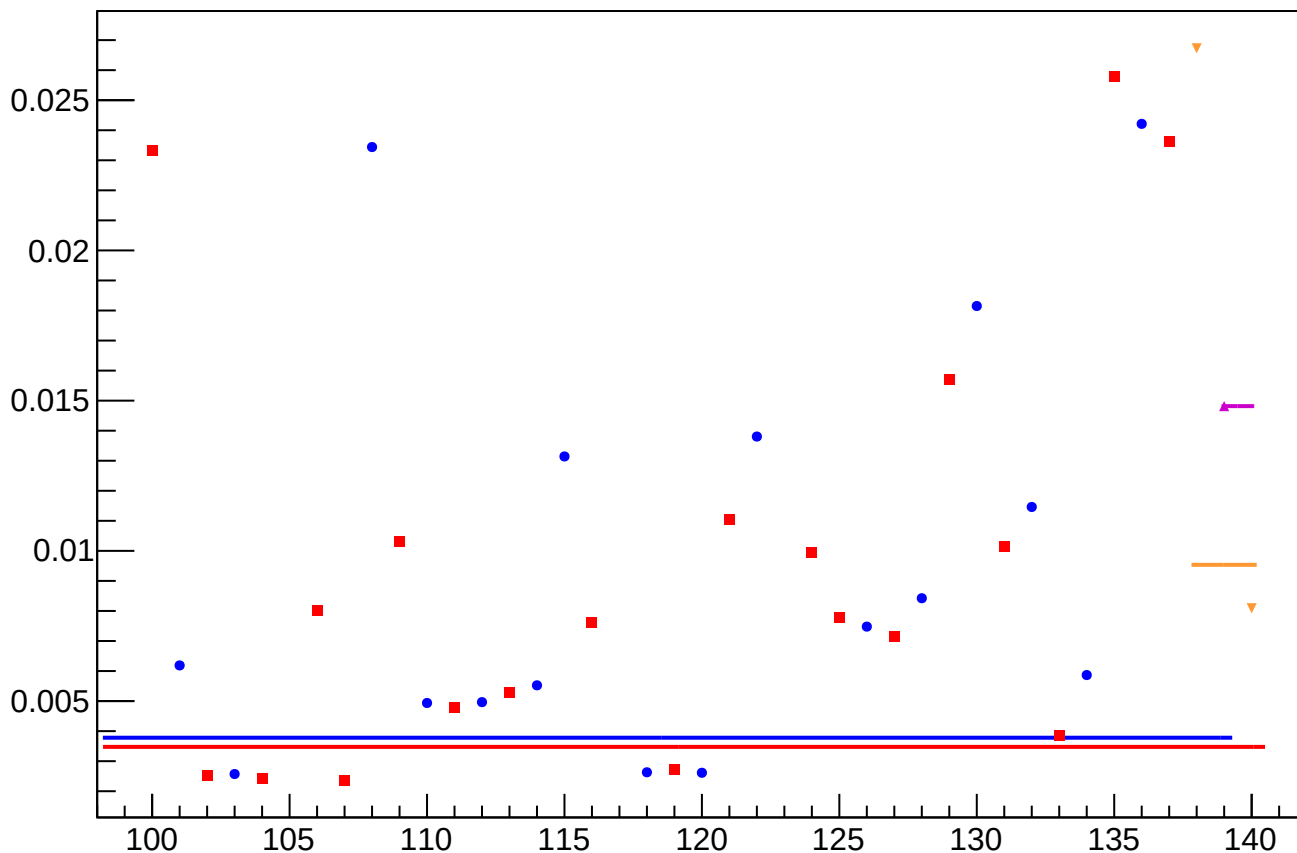
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.1/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/19

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 4719536.5/15

Left Out: 0.010+/-0.000 χ^2/NDF : 688241.0/1

Right Out: 0.003+/-0.000 χ^2/NDF : 4495340.7/18

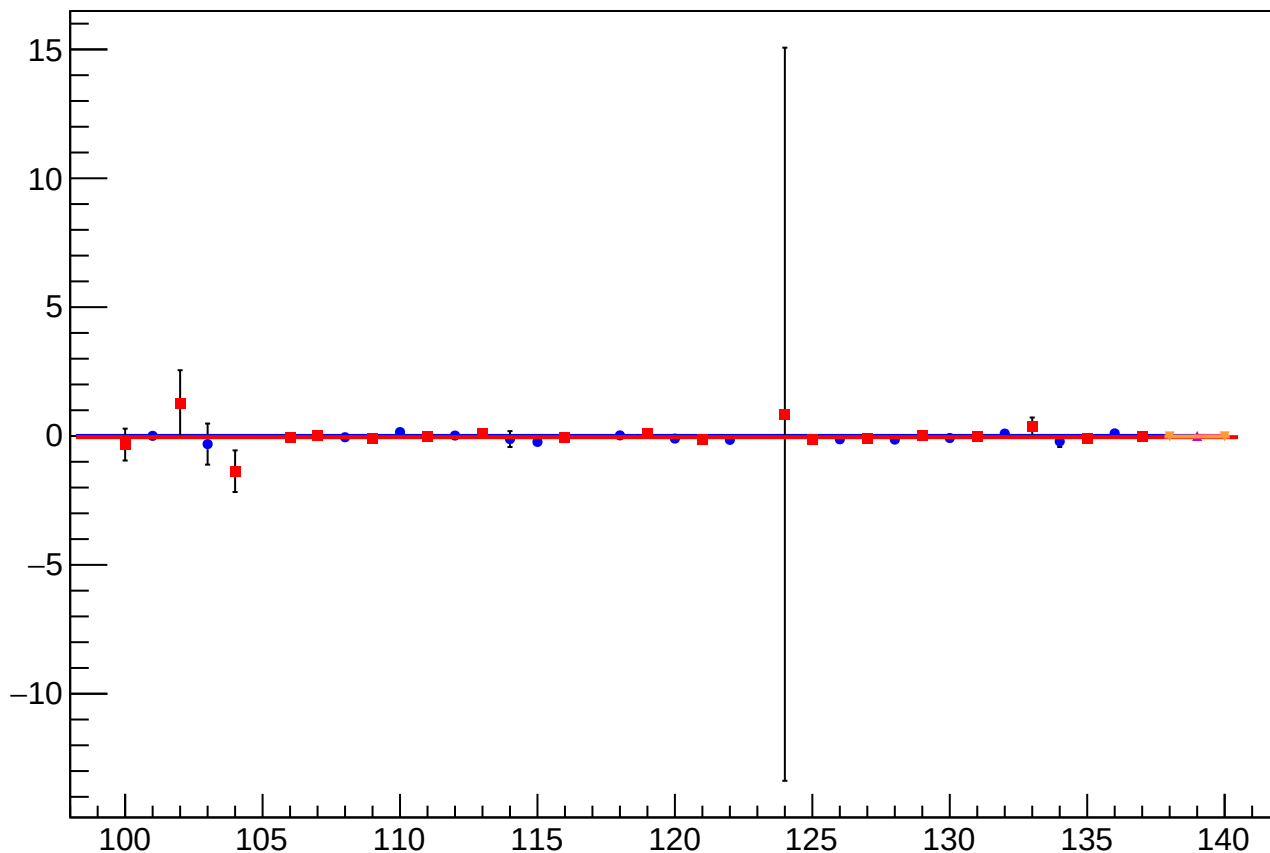
Left In: 0.015+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 6284448.5/17

All: 0.004+/-0.000 χ^2/NDF : 11628147.6/37

- sign 0.004+/-0.000 χ^2/NDF : 5261252.6/19

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.027 χ^2 /NDF: 13.3/15

Left Out: -0.017 $\pm$ 0.040 χ^2 /NDF: 0.0/1

Right Out: -0.044 $\pm$ 0.025 χ^2 /NDF: 12.7/18

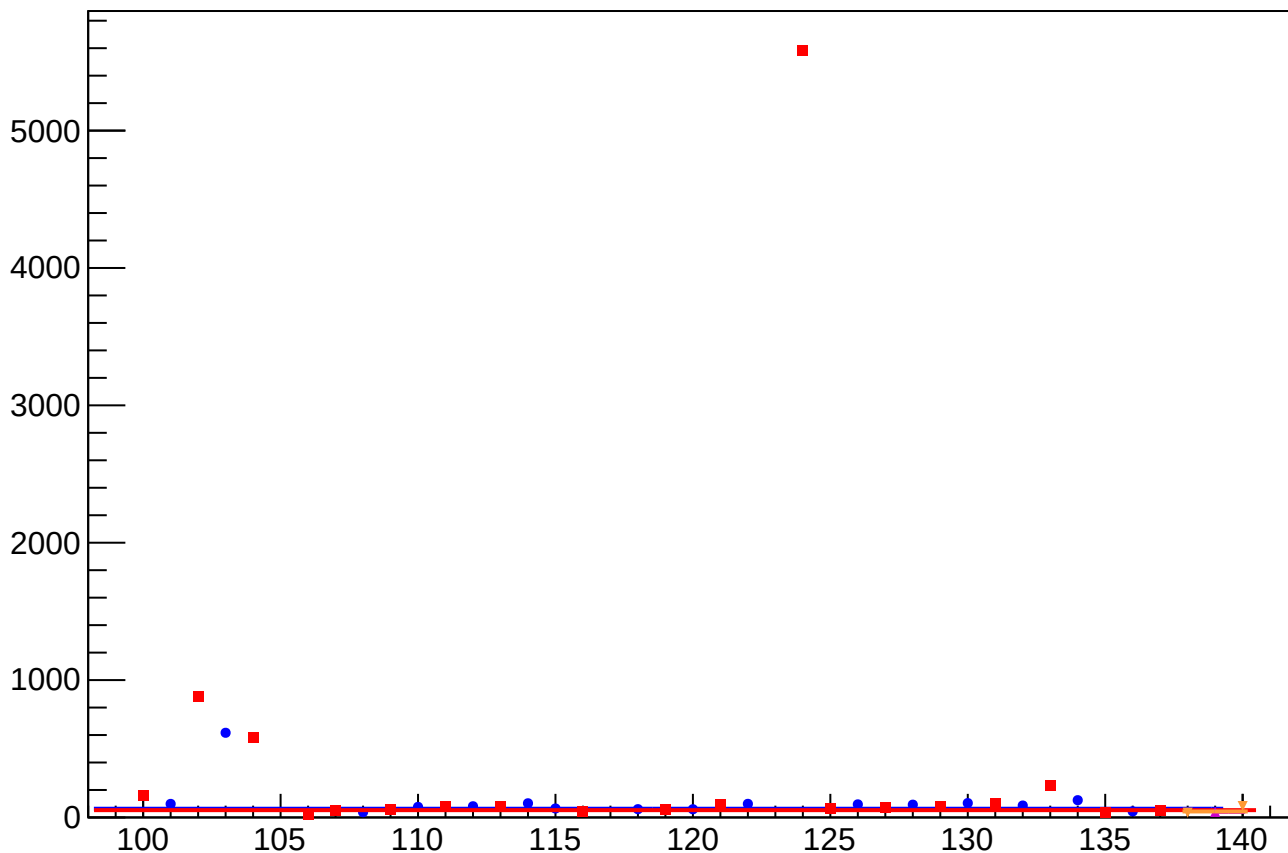
Left In: 0.002 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign -0.003 $\pm$ 0.022 χ^2 /NDF: 13.5/17

All: -0.019 $\pm$ 0.016 χ^2 /NDF: 27.8/37

- sign -0.034 $\pm$ 0.022 χ^2 /NDF: 13.4/19

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: 43.725+/-0.028 χ^2/NDF : 432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

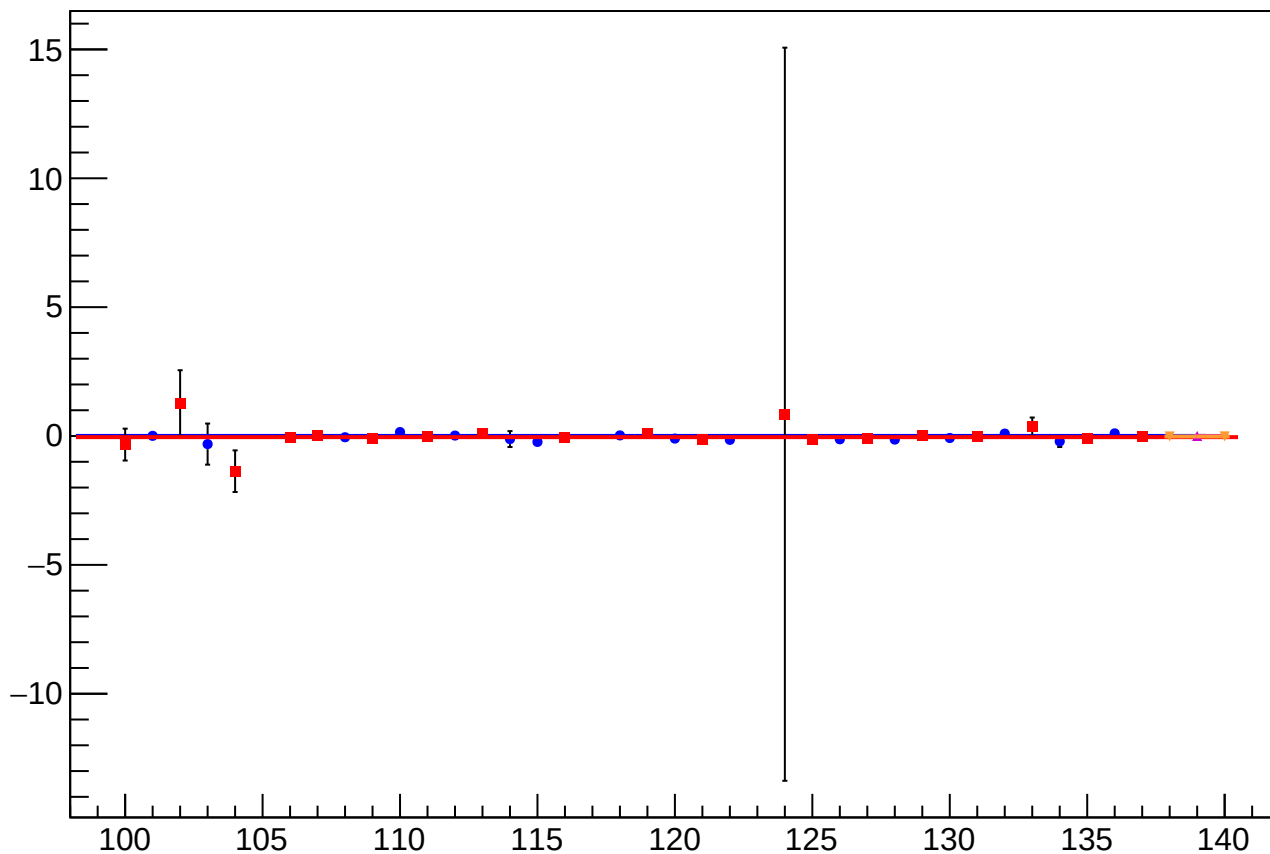
Left In: 40.740+/-0.035 χ^2/NDF : 0.0/0

+ sign 57.175+/-0.016 χ^2/NDF : 3211726.5/17

All: 53.887+/-0.011 χ^2/NDF : 7344477.8/37

- sign 50.681+/-0.016 χ^2/NDF : 4048152.4/19

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 χ^2/NDF : 13.3/15

Left Out: -0.017 ± 0.040 χ^2/NDF : 0.0/1

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

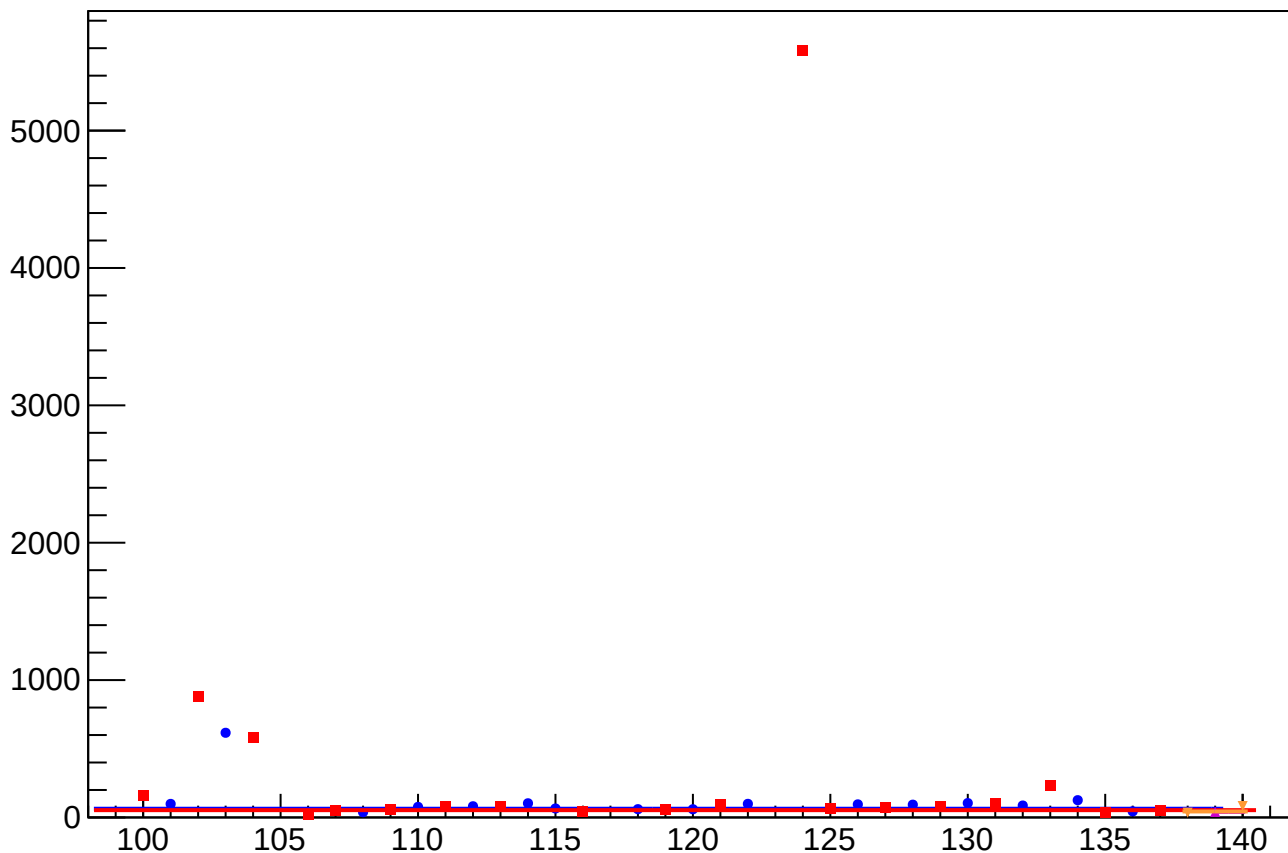
Left In: 0.002 ± 0.049 χ^2/NDF : 0.0/0

+ sign -0.003 ± 0.022 χ^2/NDF : 13.5/17

All: -0.019 ± 0.016 χ^2/NDF : 27.8/37

- sign -0.034 ± 0.022 χ^2/NDF : 13.4/19

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF : 2444357.3/15

Left Out: 43.725+/-0.028 χ^2/NDF : 432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

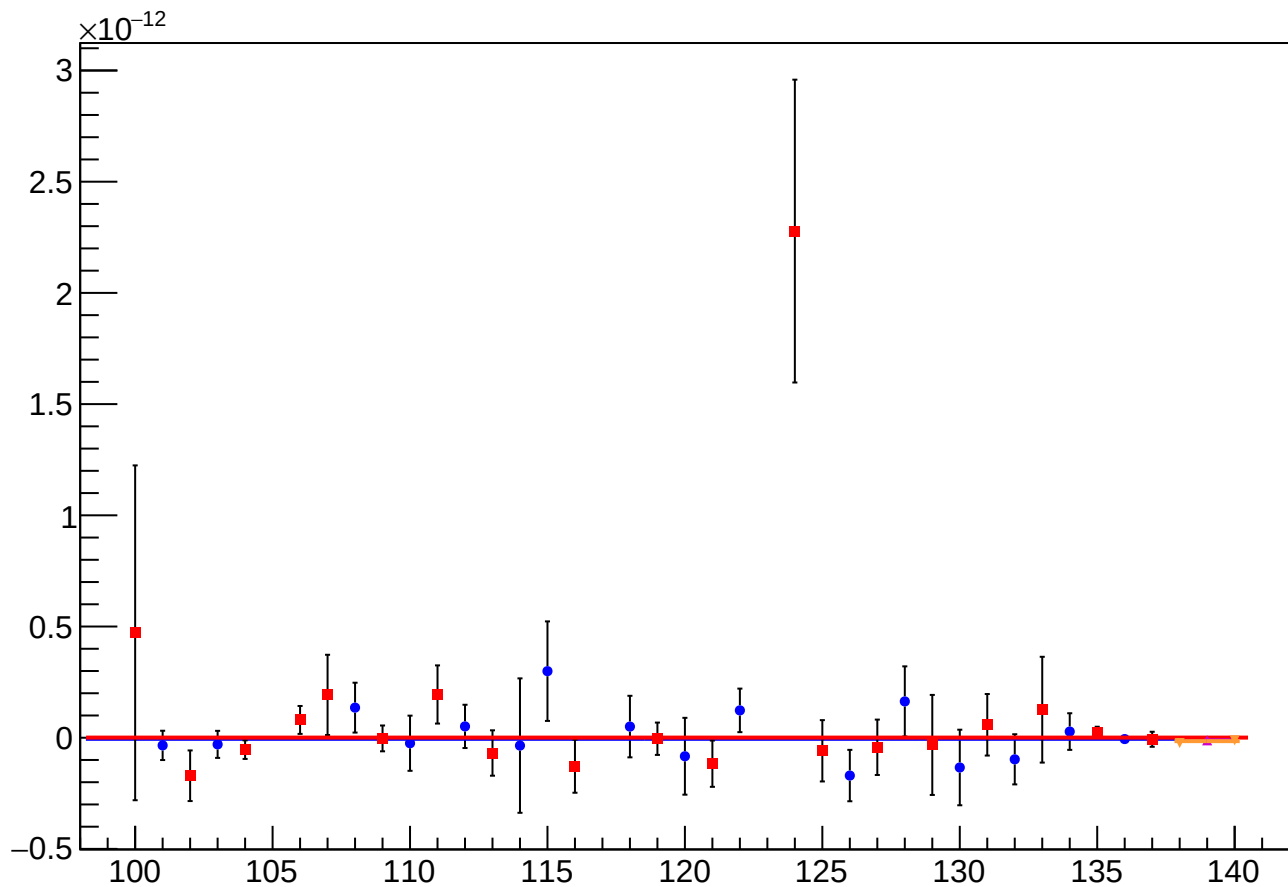
Left In: 40.740+/-0.035 χ^2/NDF : 0.0/0

+ sign 57.175+/-0.016 χ^2/NDF : 3211726.5/17

All: 53.887+/-0.011 χ^2/NDF : 7344477.8/37

- sign 50.681+/-0.016 χ^2/NDF : 4048152.4/19

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 : 0.4/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.1/18

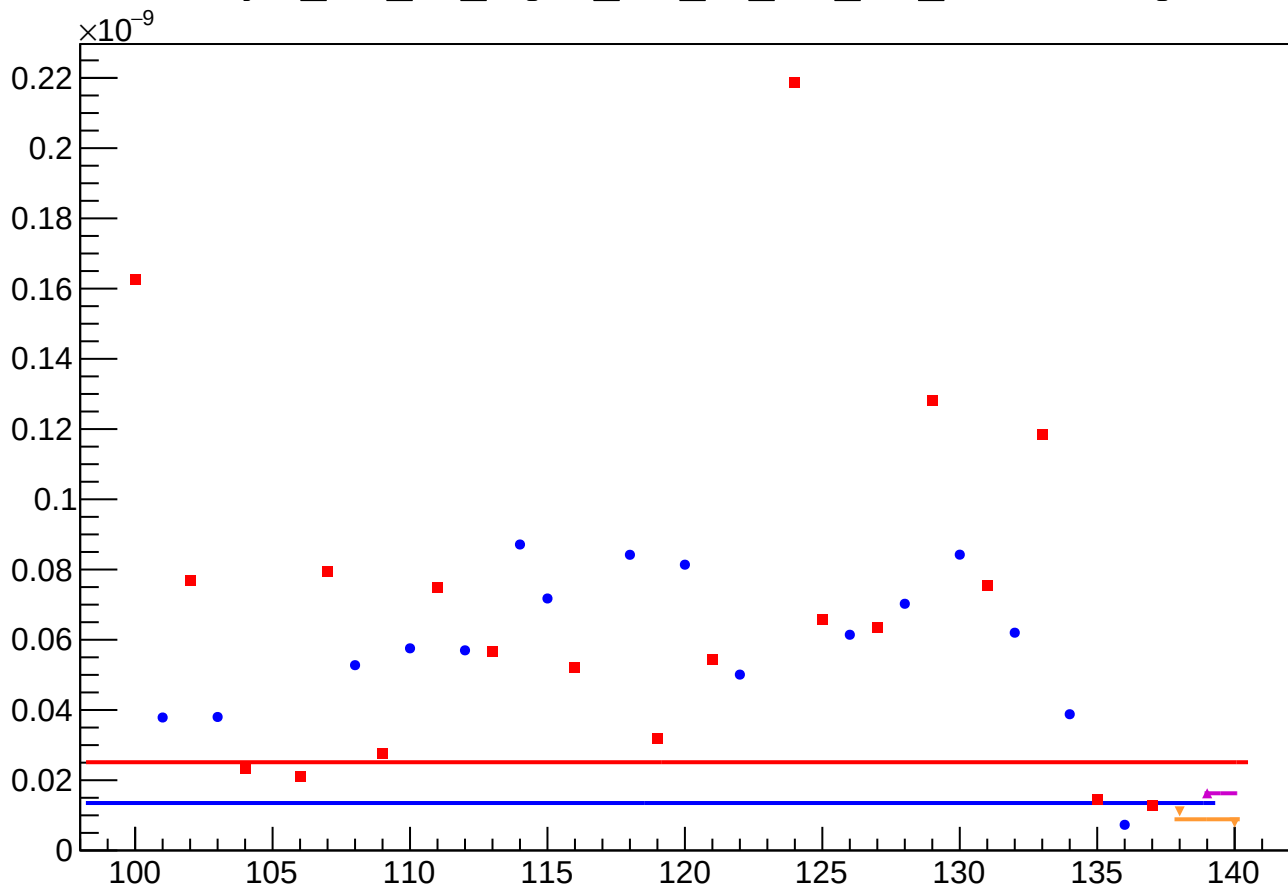
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 11.8/17

All: -0.000 ± 0.000 χ^2/NDF : 37.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 25.3/19

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 56790.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3578472.9/18

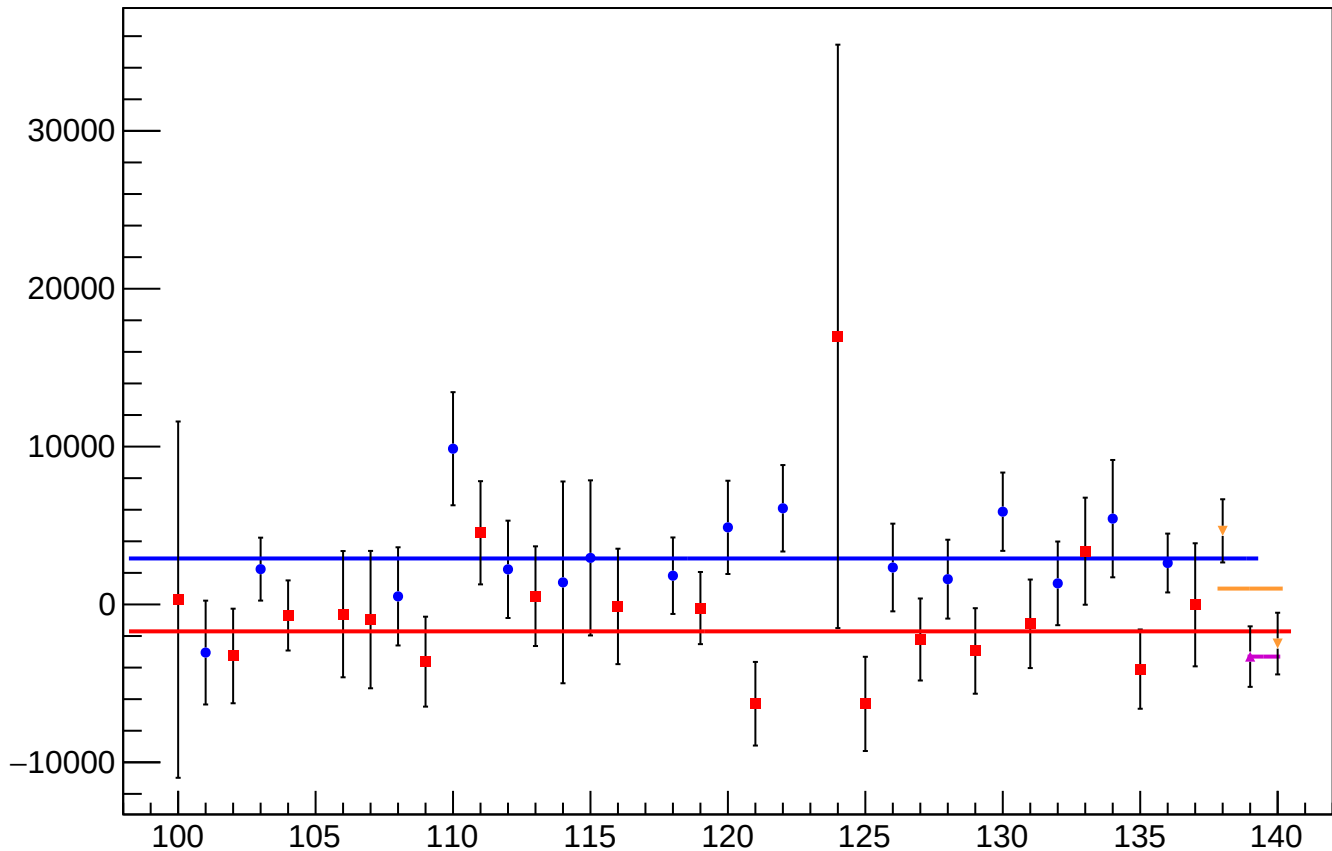
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5288607.2/17

All: 0.000+/-0.000 χ^2/NDF : 10425391.4/37

- sign 0.000+/-0.000 χ^2/NDF : 3798322.1/19

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991 $\pm$ 695.062 χ^2 /NDF: 12.4/15

Left Out: 1004.733 $\pm$ 1397.981 χ^2 /NDF:6.5/1

Right Out: -1704.904 $\pm$ 706.846 χ^2 /NDF: 15.8/18

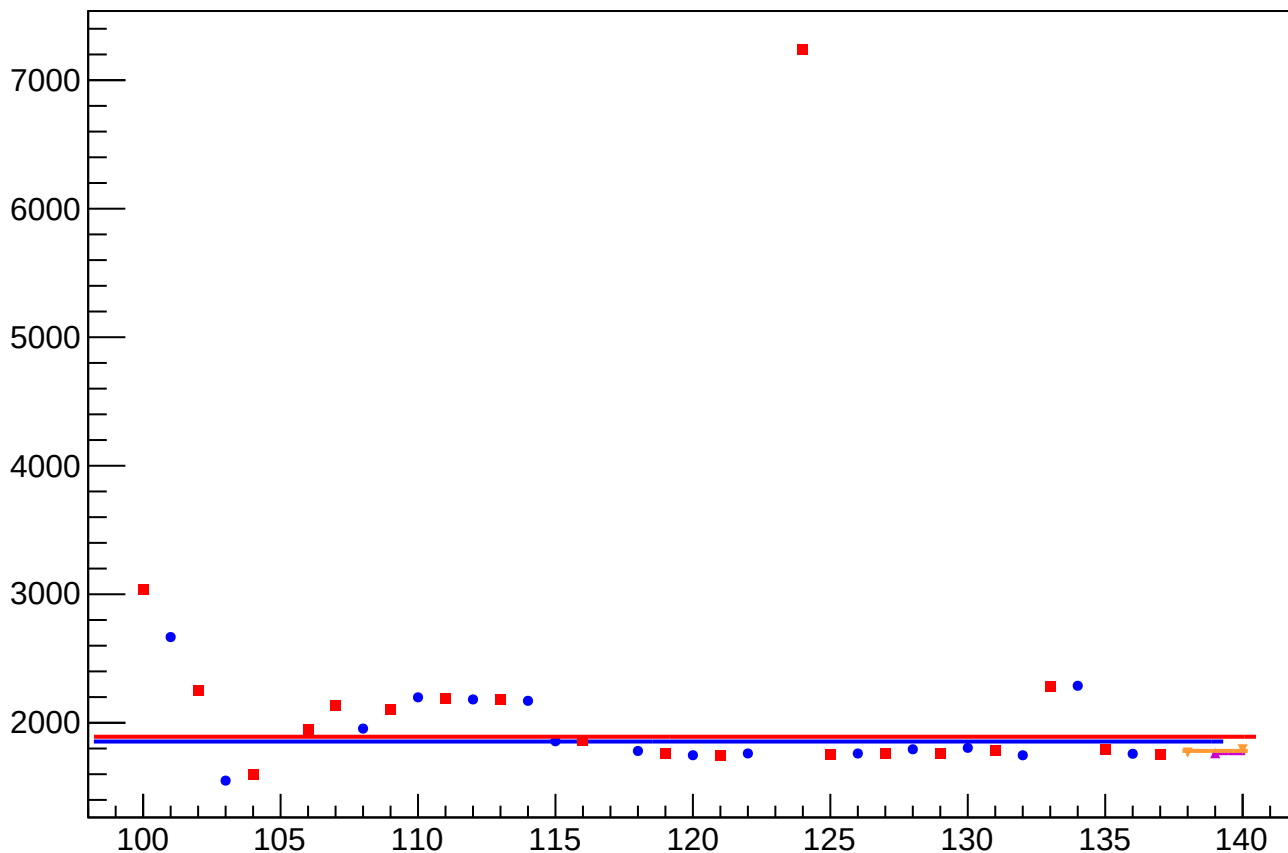
Left In: -3303.445 $\pm$ 1916.723 χ^2 /NDF:0.0/0

+ sign 2534.769 $\pm$ 622.380 χ^2 /NDF: 20.5/17

All: 459.758 $\pm$ 453.830 χ^2 /NDF: 60.6/37

- sign -1896.276 $\pm$ 663.187 χ^2 /NDF: 16.4/19

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.7/15

Left Out: 1781.328+/-0.989 χ^2/NDF :168.0/1

Right Out: 1891.469+/-0.499 χ^2/NDF : 364050.6/18

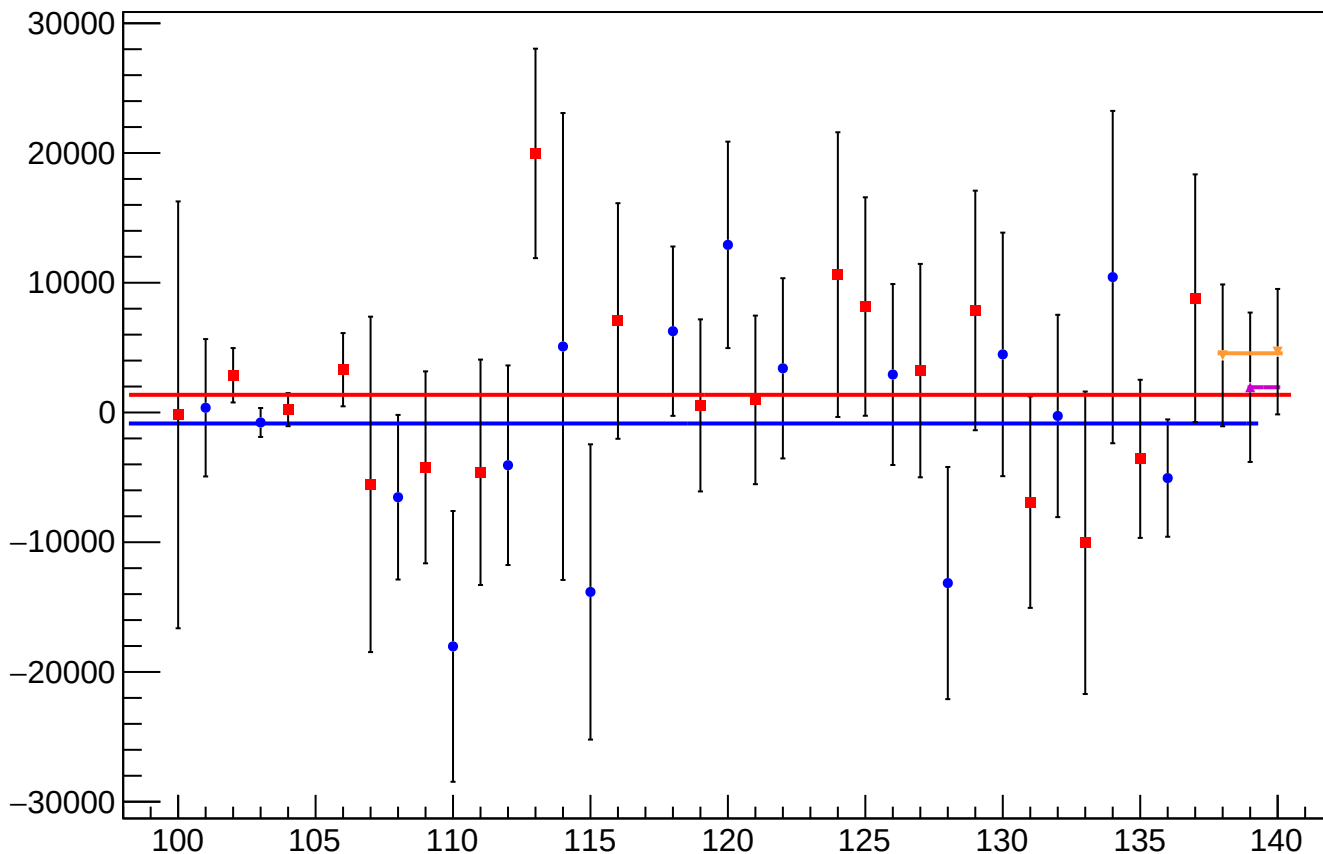
Left In: 1763.387+/-1.355 χ^2/NDF :0.0/0

+ sign 1839.848+/-0.440 χ^2/NDF : 267861.6/17

All: 1856.907+/-0.321 χ^2/NDF : 642979.8/37

- sign 1876.198+/-0.468 χ^2/NDF : 371916.5/19

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF : 13.9/15

Left Out: 4562.432+/-3621.161 χ^2/NDF : 0.0/1

Right Out: 1361.523+/-915.925 χ^2/NDF : 14.0/18

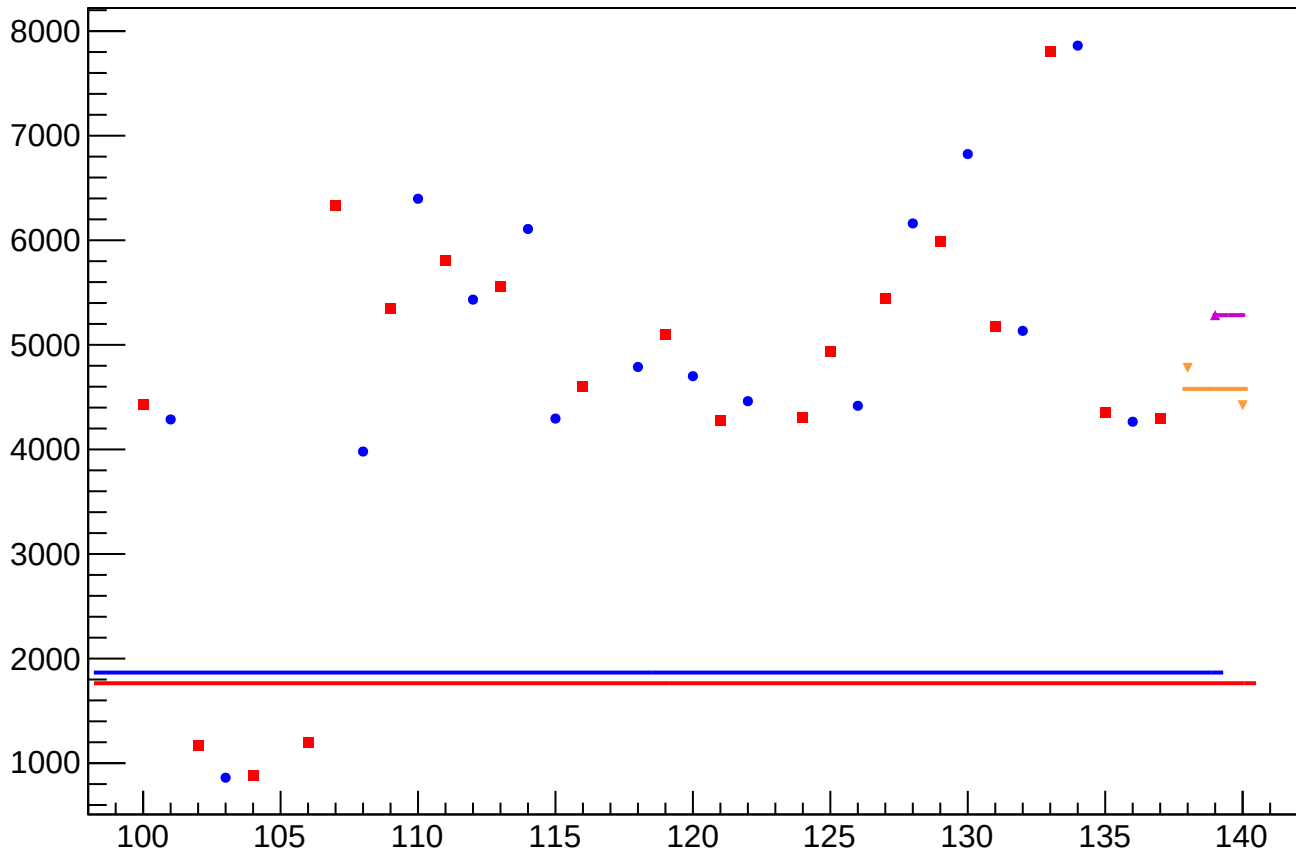
Left In: 1945.049+/-5757.140 χ^2/NDF : 0.0/0

+ sign -490.669+/-930.581 χ^2/NDF : 16.0/17

All: 469.102+/-648.620 χ^2/NDF : 32.0/37

- sign 1375.928+/-904.549 χ^2/NDF : 14.0/19

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF : 6849638.3/15

Left Out: 4578.989+/-2.561 χ^2/NDF : 4808.3/1

+ sign 2045.546+/-0.658 χ^2/NDF : 7902609.0/17

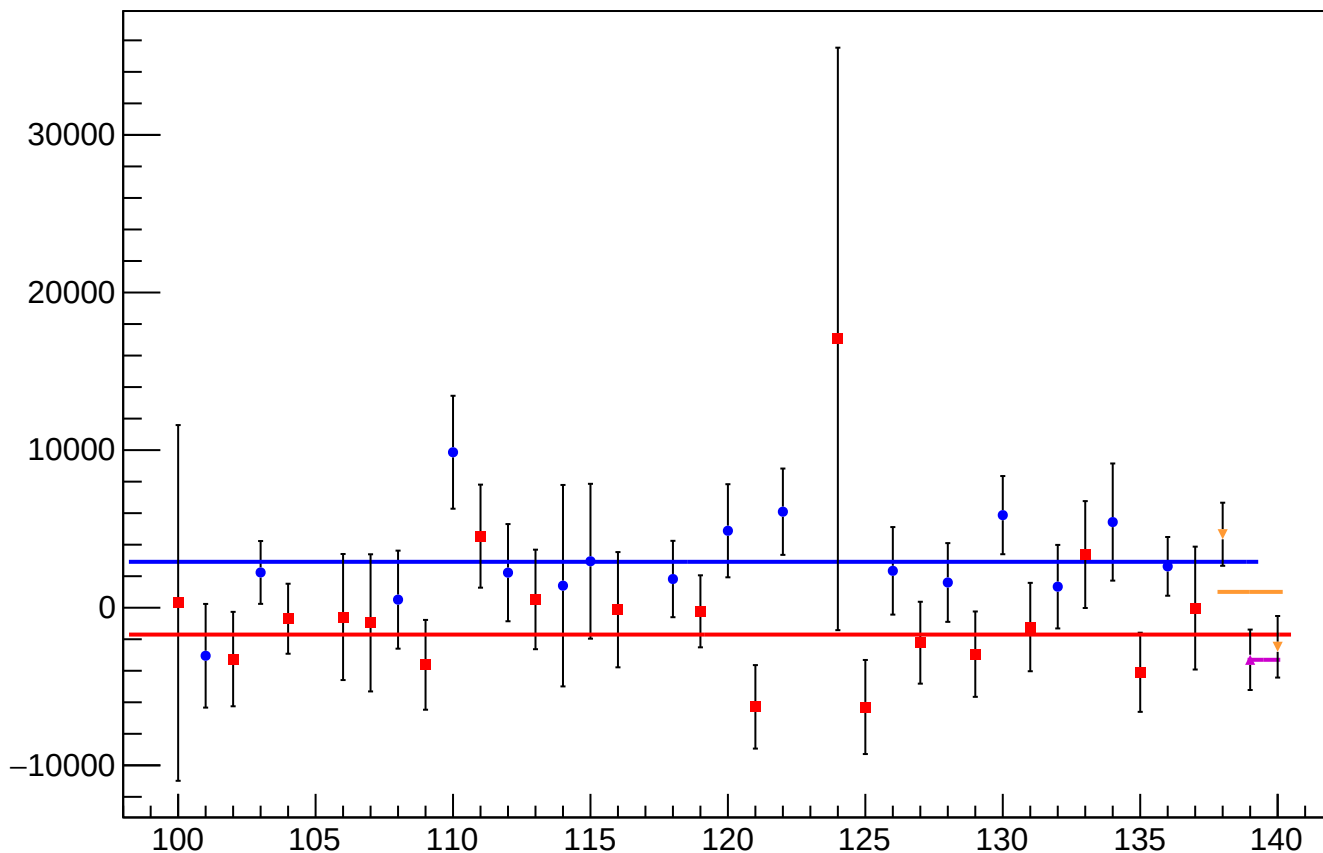
Right Out: 1764.281+/-0.648 χ^2/NDF : 6434807.7/18

All: 1945.604+/-0.459 χ^2/NDF : 15111455.4/3

- sign 1851.175+/-0.640 χ^2/NDF : 7163981.7/19

Left In: 5284.220+/-4.071 χ^2/NDF : 0.0/0

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 ± 695.062 χ^2/NDF : 12.4/15

Left Out: 1004.783 ± 1397.981 χ^2/NDF : 6.5/1

Right Out: -1703.523 ± 706.847 χ^2/NDF : 15.8/18

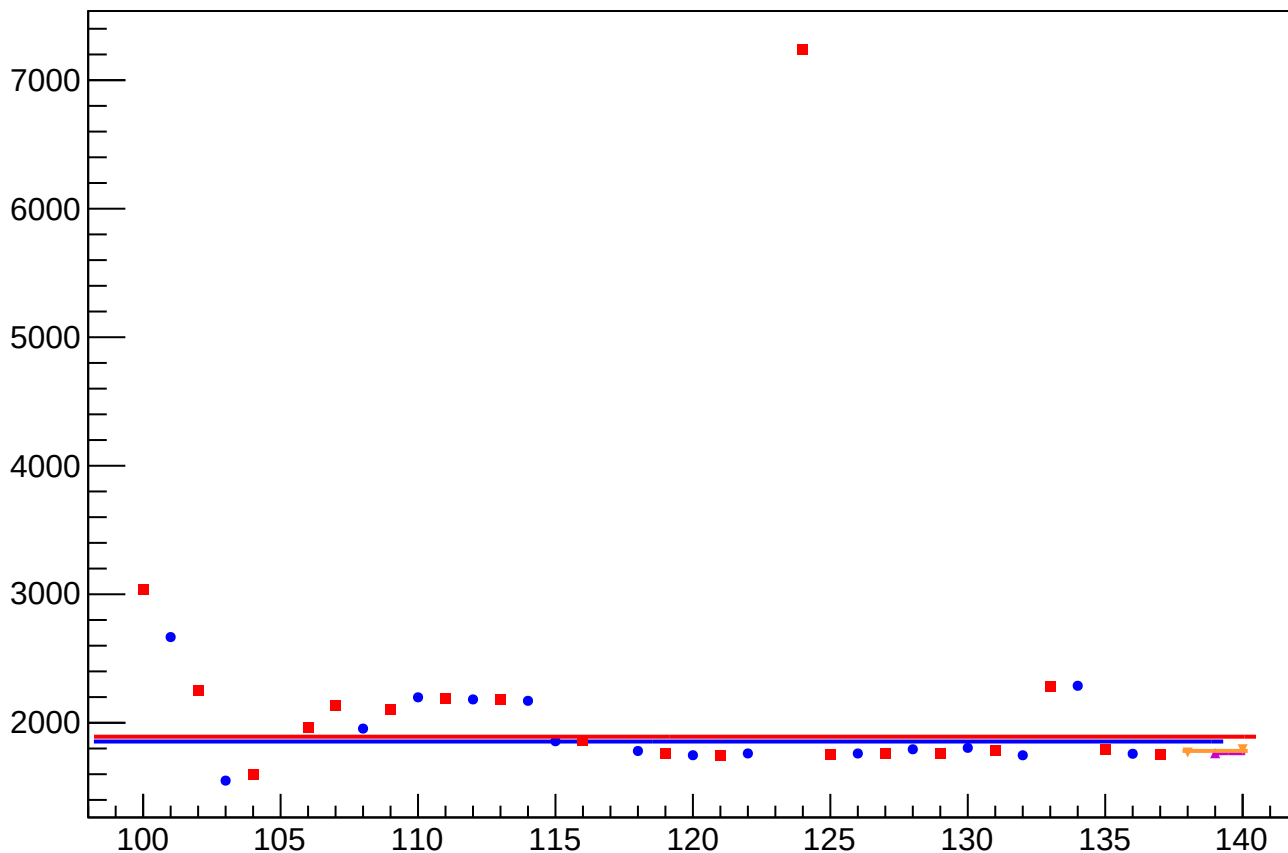
Left In: -3303.866 ± 1916.723 χ^2/NDF : 0.0/0

+ sign 2534.859 ± 622.380 χ^2/NDF : 20.5/17

All: 460.354 ± 453.830 χ^2/NDF : 60.6/37

- sign -1895.111 ± 663.188 χ^2/NDF : 16.4/19

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF :168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

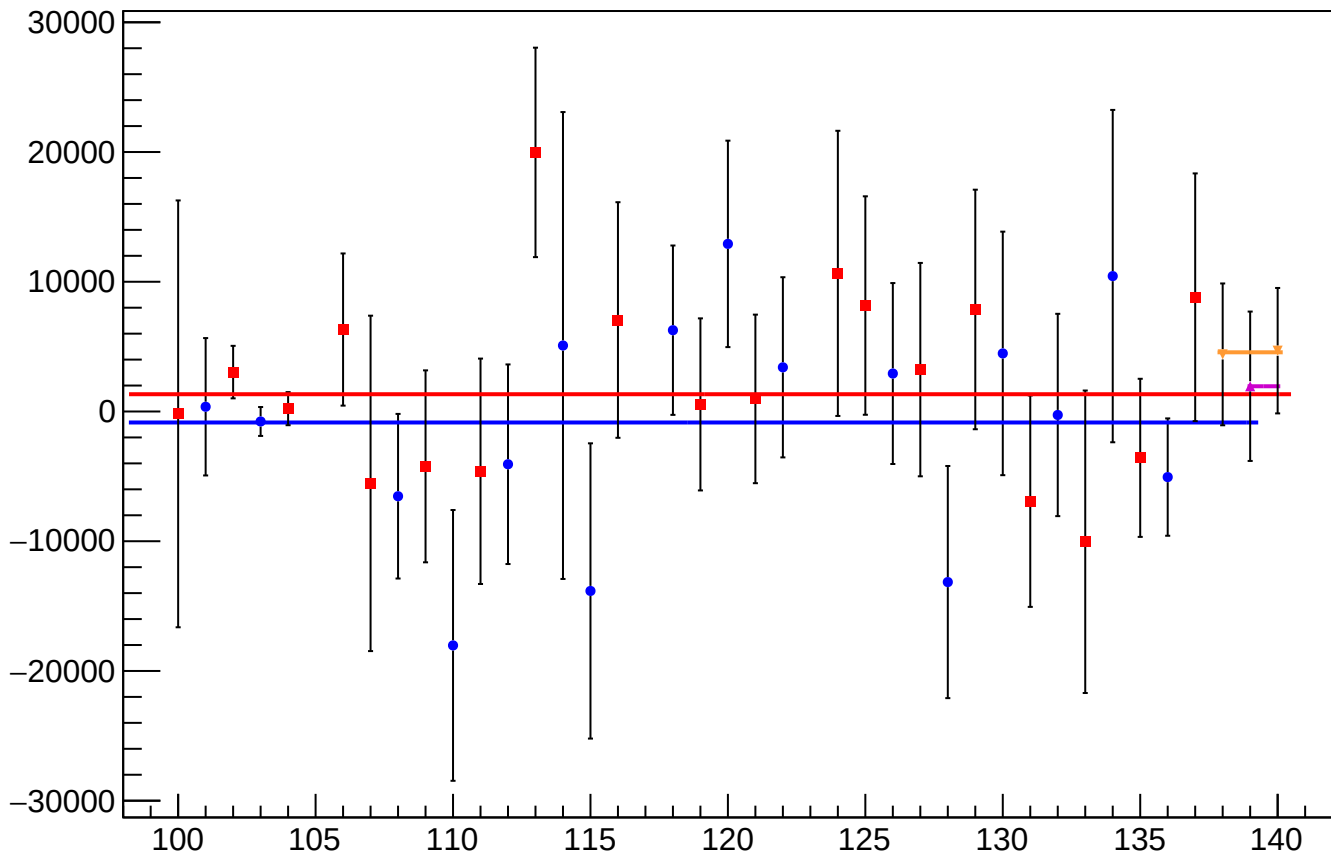
Left In: 1763.387+/-1.355 χ^2/NDF :0.0/0

+ sign 1839.848+/-0.440 χ^2/NDF : 267861.4/17

All: 1857.090+/-0.321 χ^2/NDF : 643347.0/37

- sign 1876.595+/-0.468 χ^2/NDF : 372214.1/19

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504 ± 962.866 χ^2/NDF : 13.9/15

Left Out: 4562.325 ± 3621.155 χ^2/NDF : 0.0/1

Right Out: 1331.371 ± 948.163 χ^2/NDF : 14.4/18

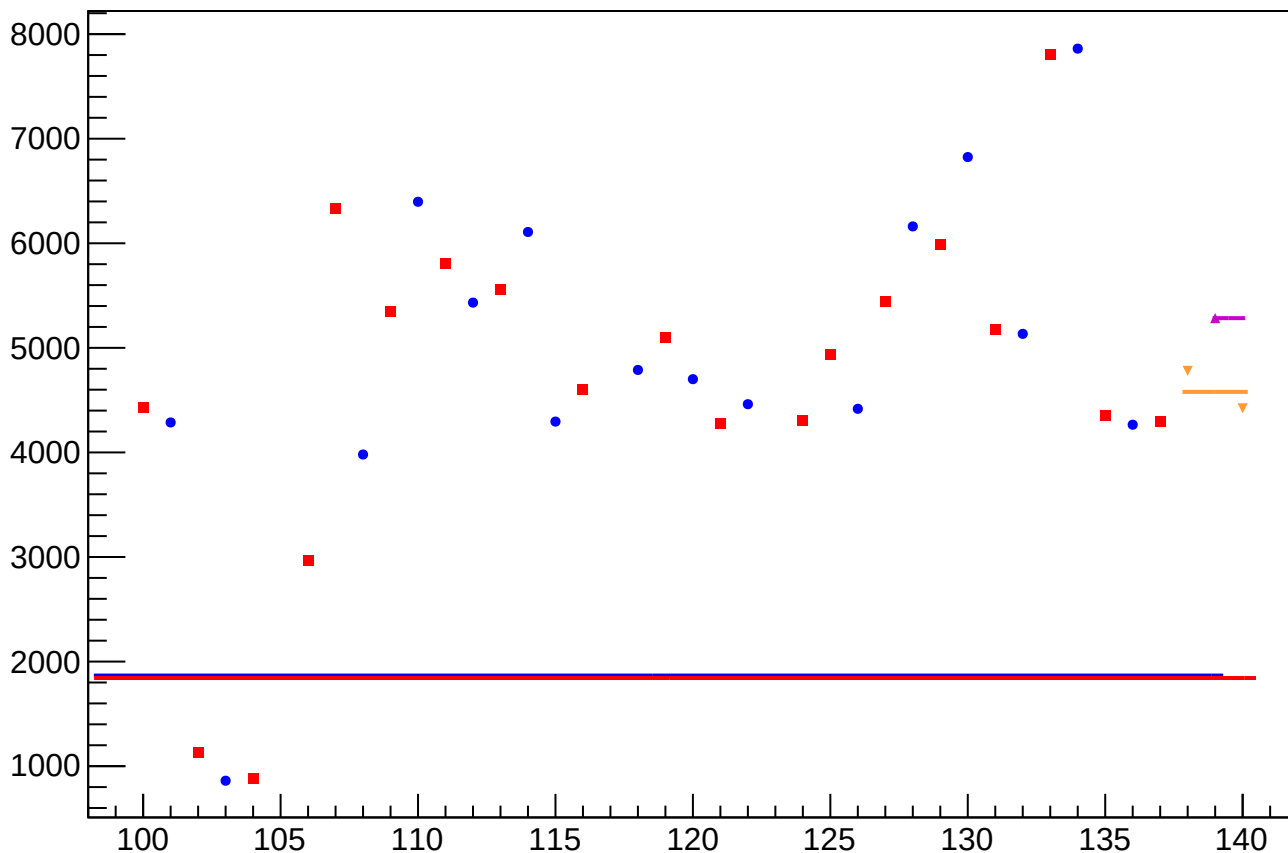
Left In: 1945.014 ± 5757.148 χ^2/NDF : 0.0/0

+ sign -490.270 ± 930.532 χ^2/NDF : 16.0/17

All: 423.702 ± 659.756 χ^2/NDF : 32.3/37

- sign 1347.576 ± 935.560 χ^2/NDF : 14.4/19

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF : 4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

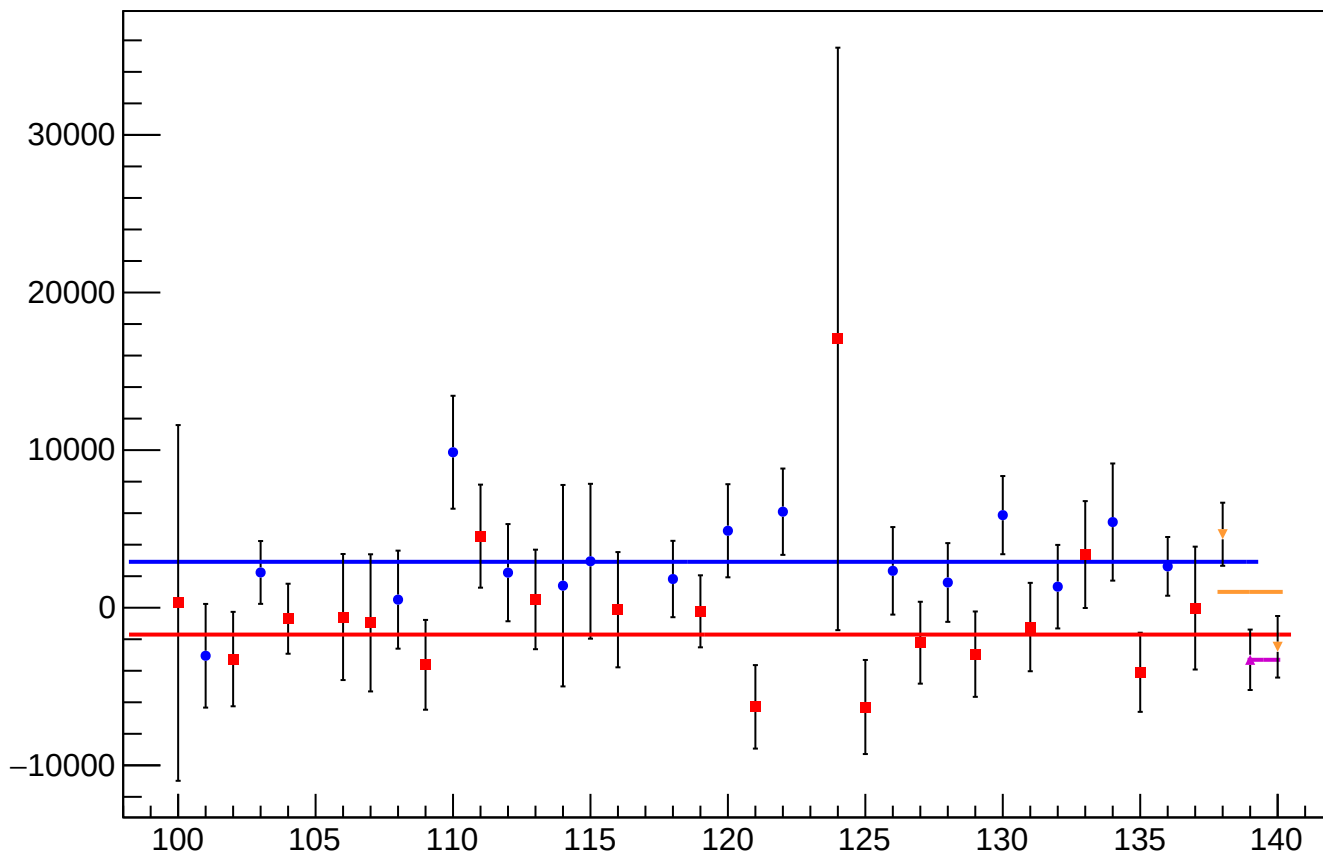
Left In: 5284.227+/-4.071 χ^2/NDF : 0.0/0

+ sign 2045.384+/-0.658 χ^2/NDF : 7903155.9/17

All: 1989.873+/-0.467 χ^2/NDF : 15071667.6/3

- sign 1933.760+/-0.662 χ^2/NDF : 7154199.4/19

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 ± 695.062 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 1004.783 ± 1397.981 $\chi^2/\text{NDF}: 6.5/1$

Right Out: -1703.523 ± 706.847 $\chi^2/\text{NDF}: 15.8/18$

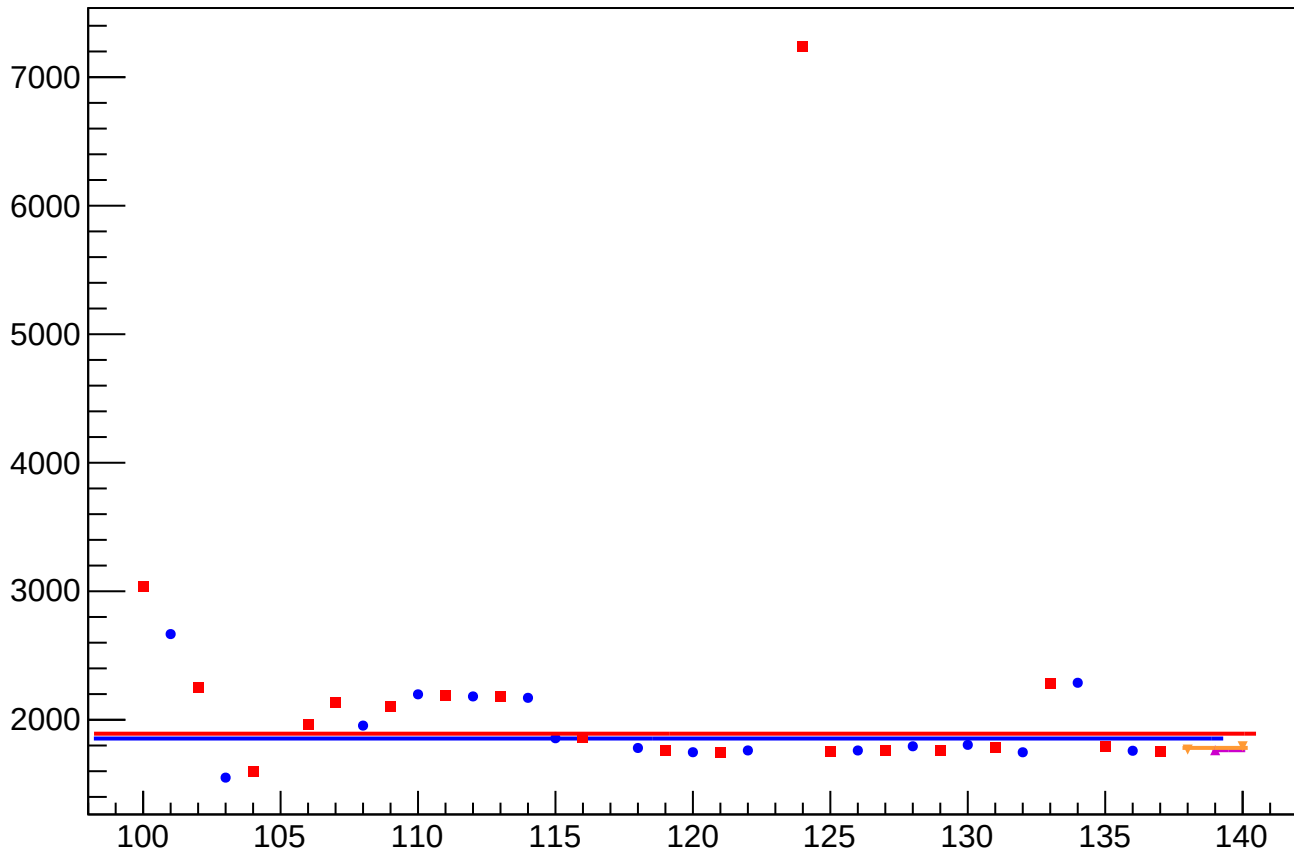
Left In: -3303.866 ± 1916.723 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2534.859 ± 622.380 $\chi^2/\text{NDF}: 20.5/17$

All: 460.354 ± 453.830 $\chi^2/\text{NDF}: 60.6/37$

- sign -1895.111 ± 663.188 $\chi^2/\text{NDF}: 16.4/19$

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF :168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

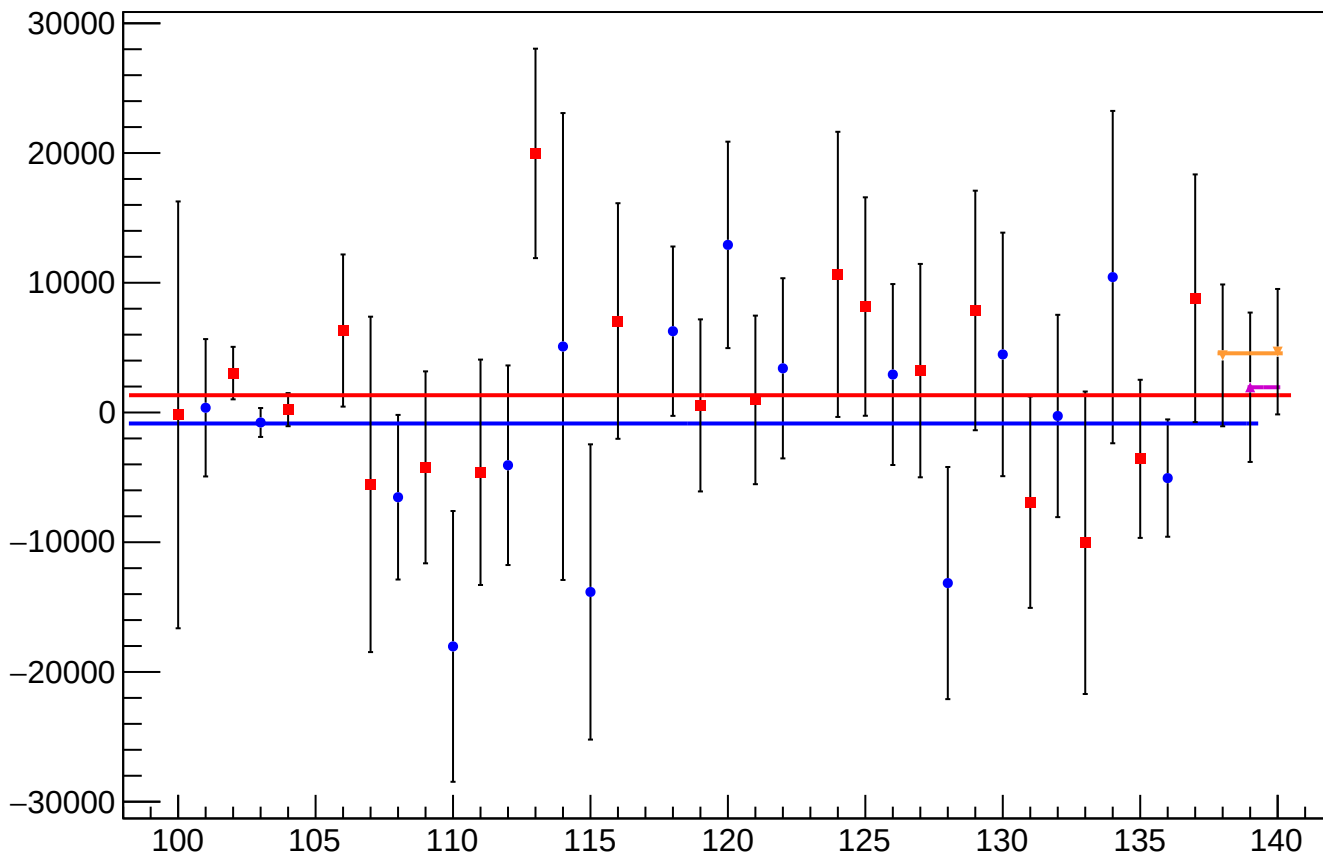
Left In: 1763.387+/-1.355 χ^2/NDF :0.0/0

+ sign 1839.848+/-0.440 χ^2/NDF : 267861.4/17

All: 1857.090+/-0.321 χ^2/NDF : 643347.0/37

- sign 1876.595+/-0.468 χ^2/NDF : 372214.1/19

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF : 13.9/15

Left Out: 4562.325+/-3621.155 χ^2/NDF : 0.0/1

Right Out: 1331.371+/-948.163 χ^2/NDF : 14.4/18

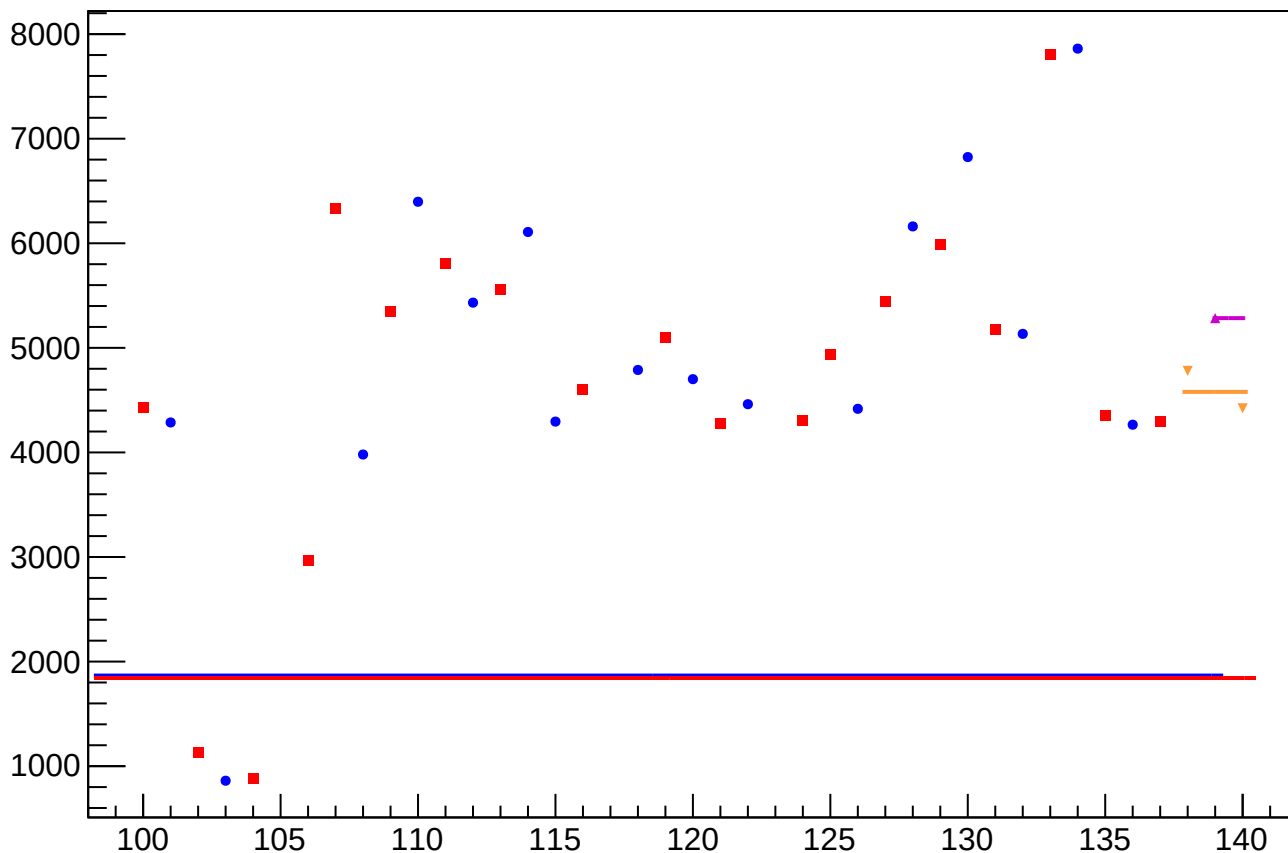
Left In: 1945.014+/-5757.148 χ^2/NDF : 0.0/0

+ sign -490.270+/-930.532 χ^2/NDF : 16.0/17

All: 423.702+/-659.756 χ^2/NDF : 32.3/37

- sign 1347.576+/-935.560 χ^2/NDF : 14.4/19

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF : 4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

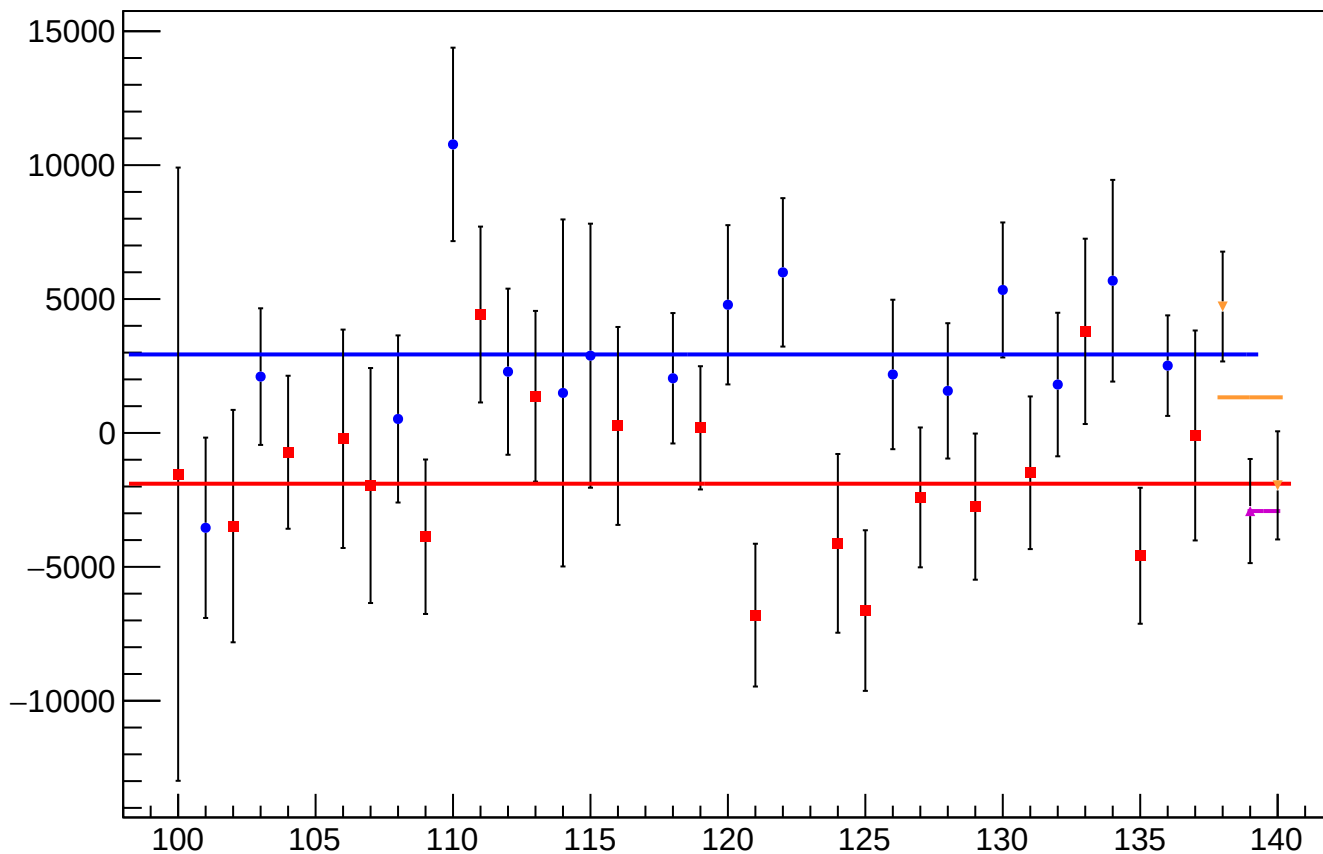
Left In: 5284.227+/-4.071 χ^2/NDF : 0.0/0

+ sign 2045.384+/-0.658 χ^2/NDF : 7903155.9/17

All: 1989.873+/-0.467 χ^2/NDF : 15071667.6/3

- sign 1933.760+/-0.662 χ^2/NDF : 7154199.4/19

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691 $\pm$ 718.305 χ^2 /NDF: 13.0/15

Left Out: 1330.318 $\pm$ 1438.718 χ^2 /NDF:5.4/1

Right Out: -1895.503 $\pm$ 721.954 χ^2 /NDF: 17.4/18

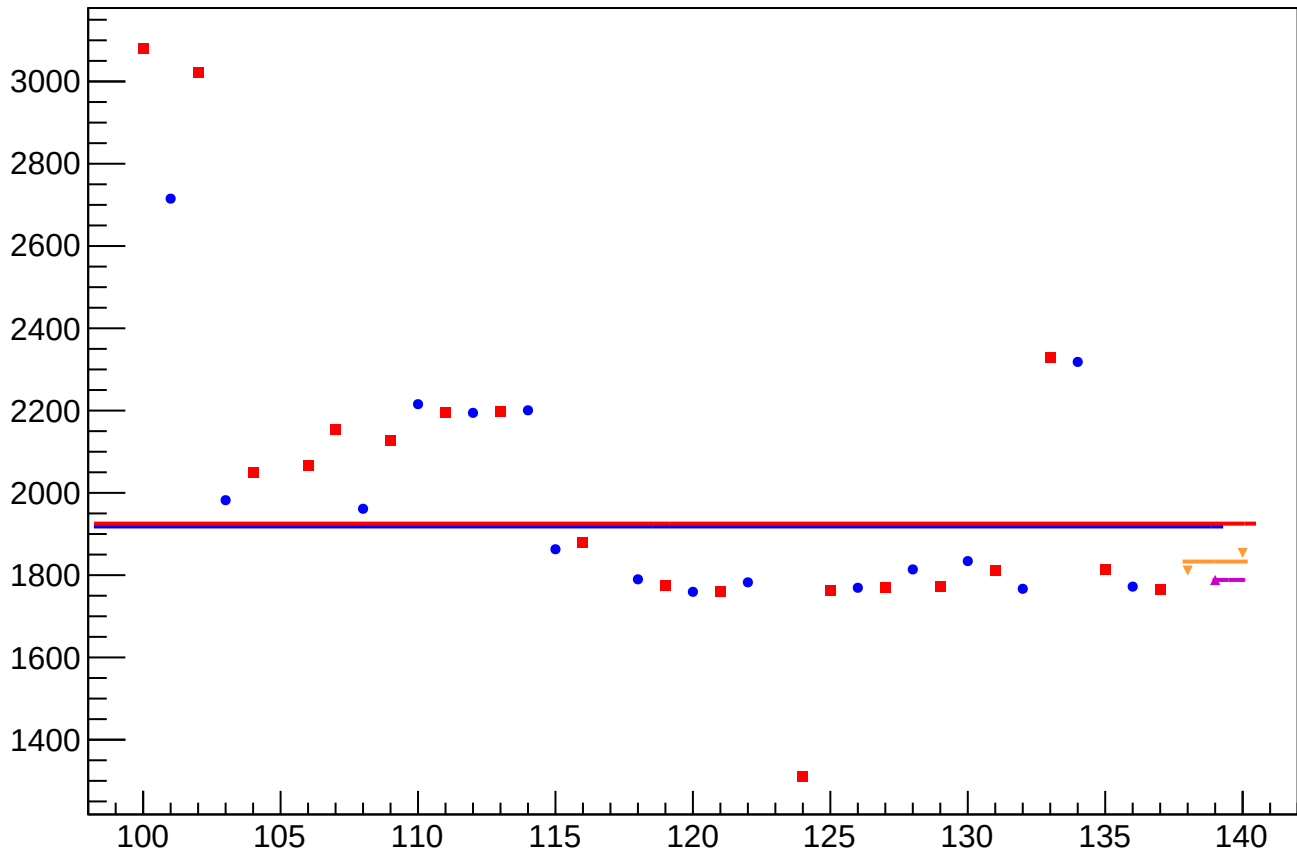
Left In: -2915.943 $\pm$ 1944.140 χ^2 /NDF:0.0/0

+ sign 2612.166 $\pm$ 642.660 χ^2 /NDF: 19.4/17

All: 416.235 $\pm$ 466.030 χ^2 /NDF: 61.6/37

- sign -2019.168 $\pm$ 676.795 χ^2 /NDF: 17.6/19

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF : 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF : 446.0/1

Right Out: 1925.260+/-0.510 χ^2/NDF : 339095.4/18

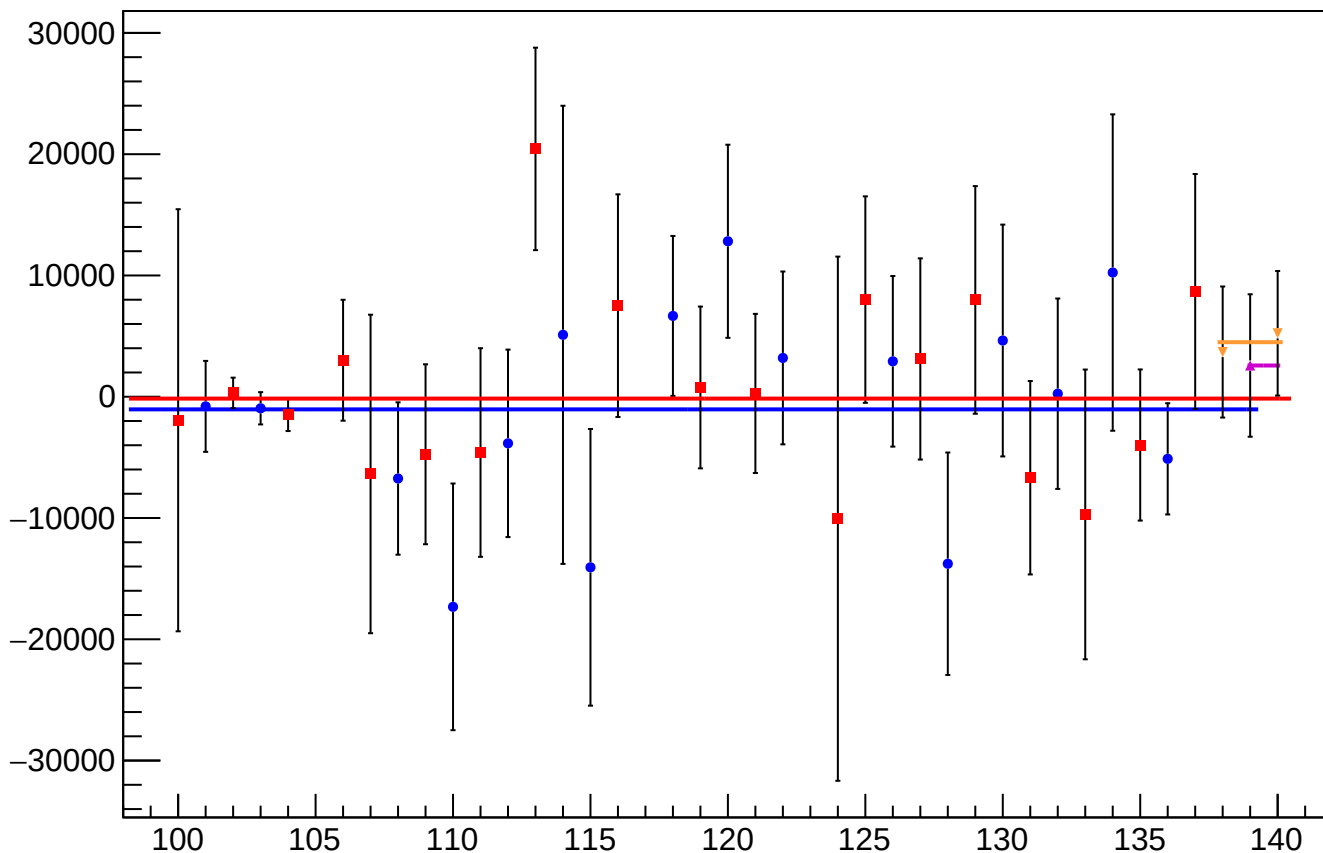
Left In: 1788.375+/-1.375 χ^2/NDF : 0.0/0

+ sign 1901.331+/-0.454 χ^2/NDF : 221677.0/17

All: 1904.825+/-0.329 χ^2/NDF : 569612.0/37

- sign 1908.695+/-0.478 χ^2/NDF : 347810.4/19

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908 ± 1072.406 χ^2/NDF : 13.8/15

Left Out: 4498.020 ± 3722.976 χ^2/NDF : 0.0/1

Right Out: -153.619 ± 835.656 χ^2/NDF : 13.7/18

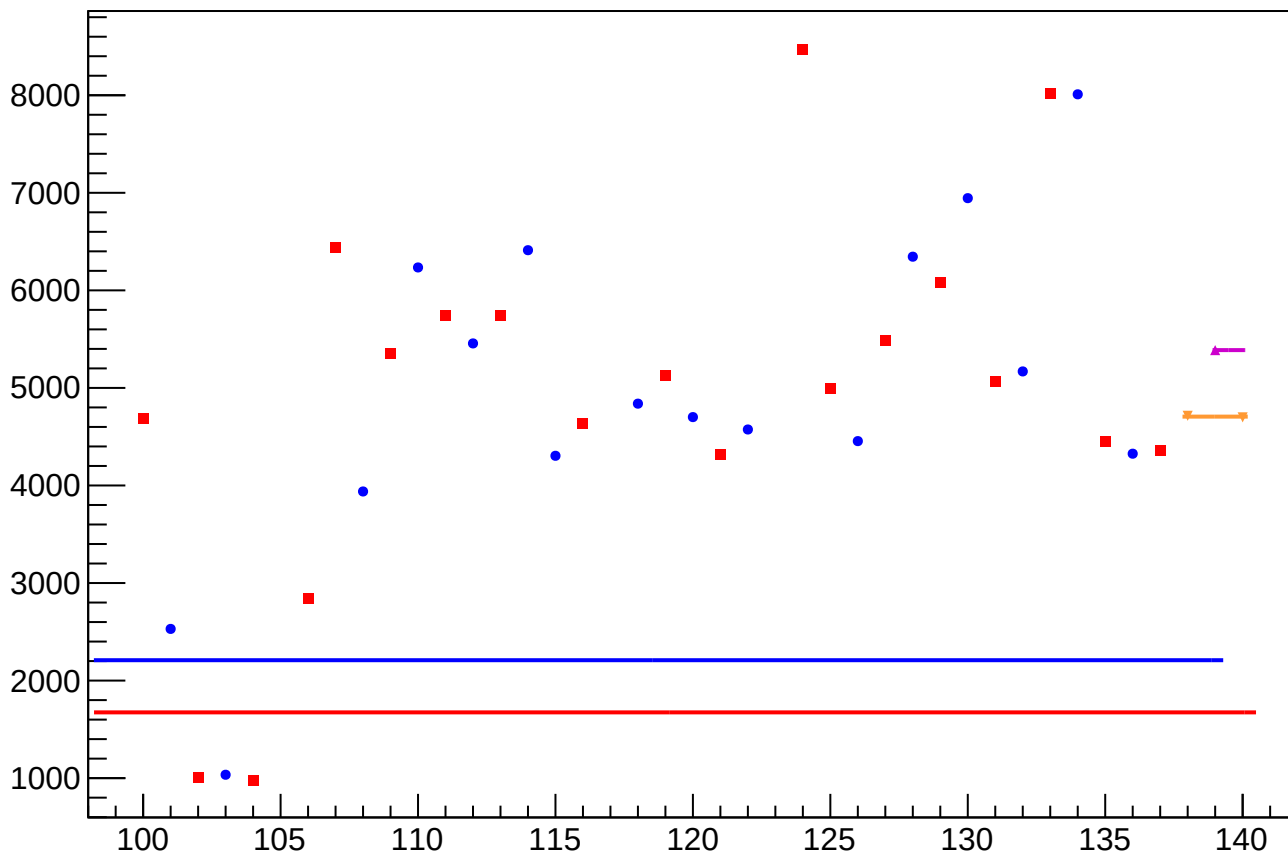
Left In: 2575.888 ± 5873.118 χ^2/NDF : 0.0/0

+ sign -617.460 ± 1030.506 χ^2/NDF : 15.9/17

All: -302.476 ± 645.138 χ^2/NDF : 30.0/37

- sign -99.457 ± 827.323 χ^2/NDF : 13.9/19

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF : 5499011.4/15

Left Out: 4705.809+/-2.633 χ^2/NDF : 9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853212.9/18

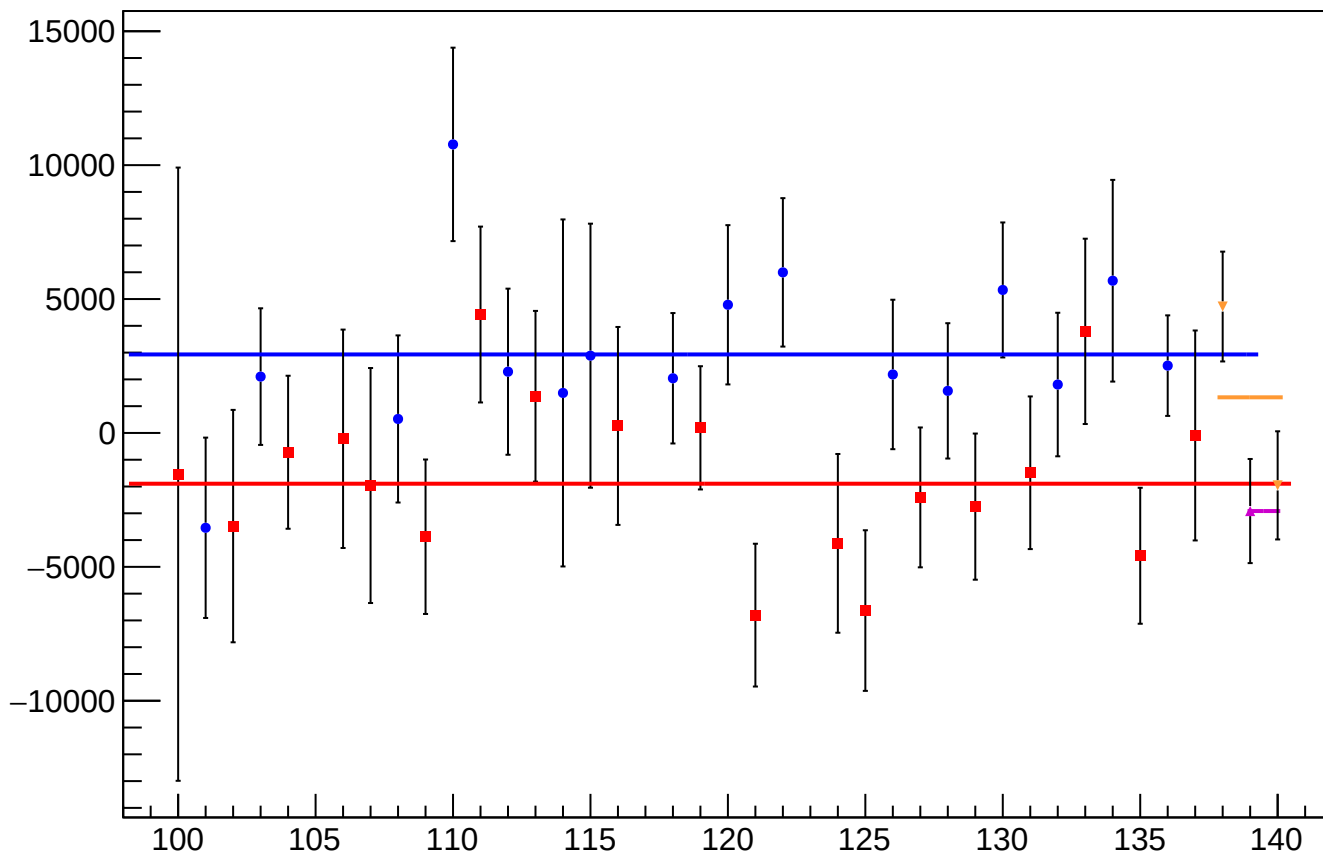
Left In: 5387.565+/-4.153 χ^2/NDF : 0.0/0

+ sign 2400.215+/-0.729 χ^2/NDF : 6329699.1/17

All: 2003.528+/-0.456 χ^2/NDF : 14453961.1/3

- sign 1747.848+/-0.585 χ^2/NDF : 7636881.2/19

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF : 13.0/15

Left Out: 1330.312+/-1438.718 χ^2/NDF : 5.4/1

Right Out: -1895.508+/-721.953 χ^2/NDF : 17.4/18

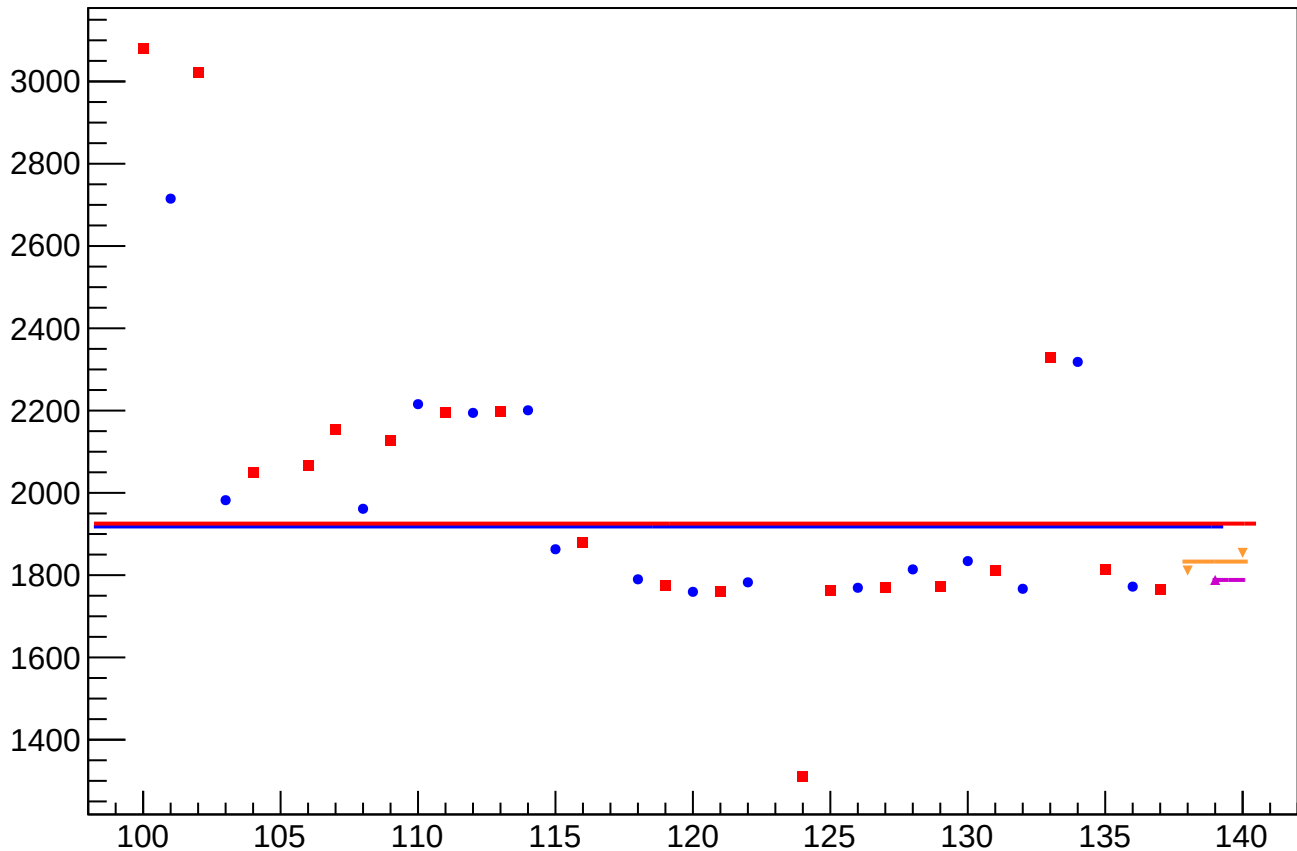
Left In: -2915.906+/-1944.141 χ^2/NDF : 0.0/0

+ sign 2612.167+/-642.660 χ^2/NDF : 19.4/17

All: 416.235+/-466.030 χ^2/NDF : 61.6/37

- sign -2019.168+/-676.795 χ^2/NDF : 17.6/19

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF : 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF : 446.0/1

+ sign 1901.331+/-0.454 χ^2/NDF : 221677.0/17

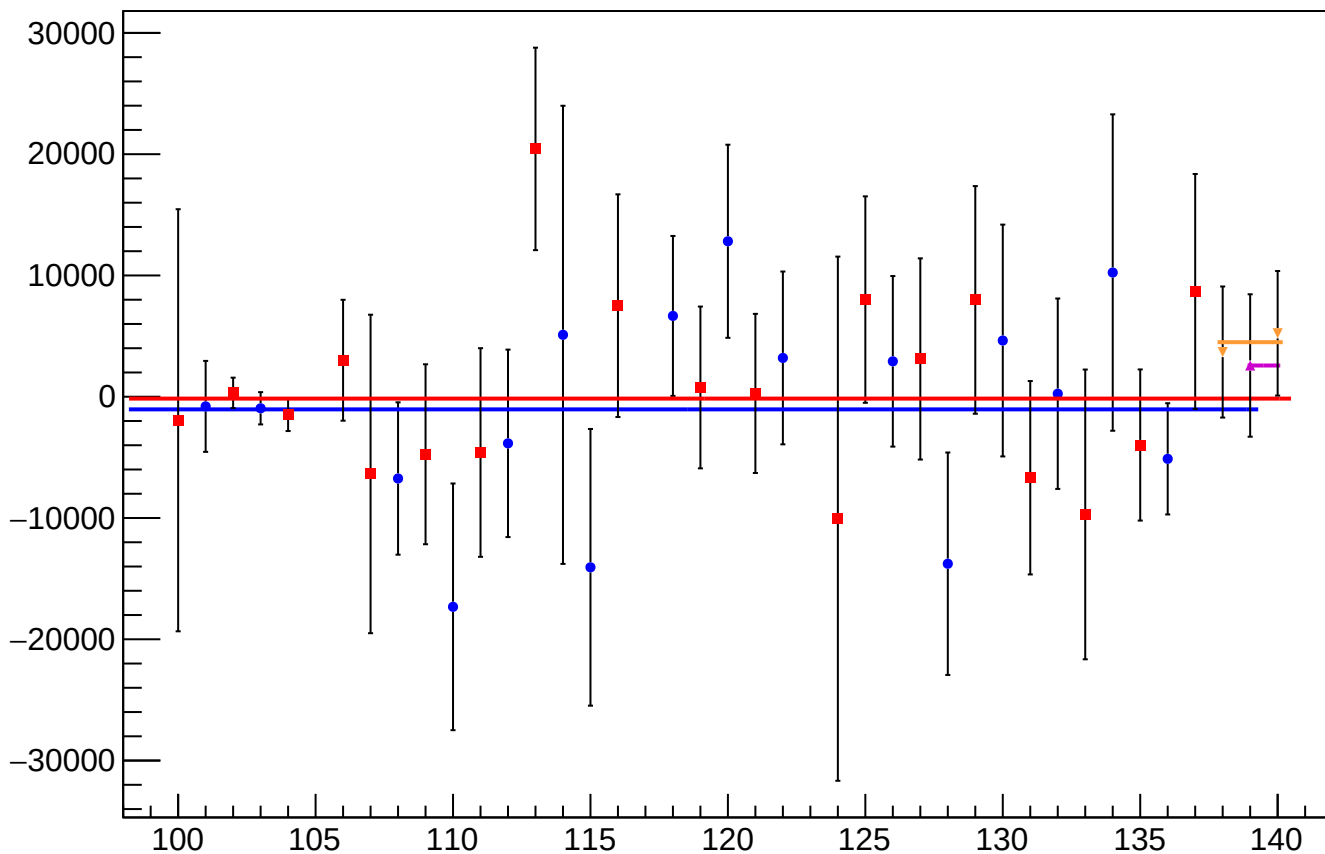
Right Out: 1925.259+/-0.510 χ^2/NDF : 339094.4/18

All: 1904.825+/-0.329 χ^2/NDF : 569610.7/37

- sign 1908.694+/-0.478 χ^2/NDF : 347809.2/19

Left In: 1788.376+/-1.375 χ^2/NDF : 0.0/0

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906 $\pm$ 1072.405 χ^2 /NDF: 13.8/15

Left Out: 4498.017 $\pm$ 3722.979 χ^2 /NDF: 0.0/1

Right Out: -153.614 $\pm$ 835.655 χ^2 /NDF: 13.7/18

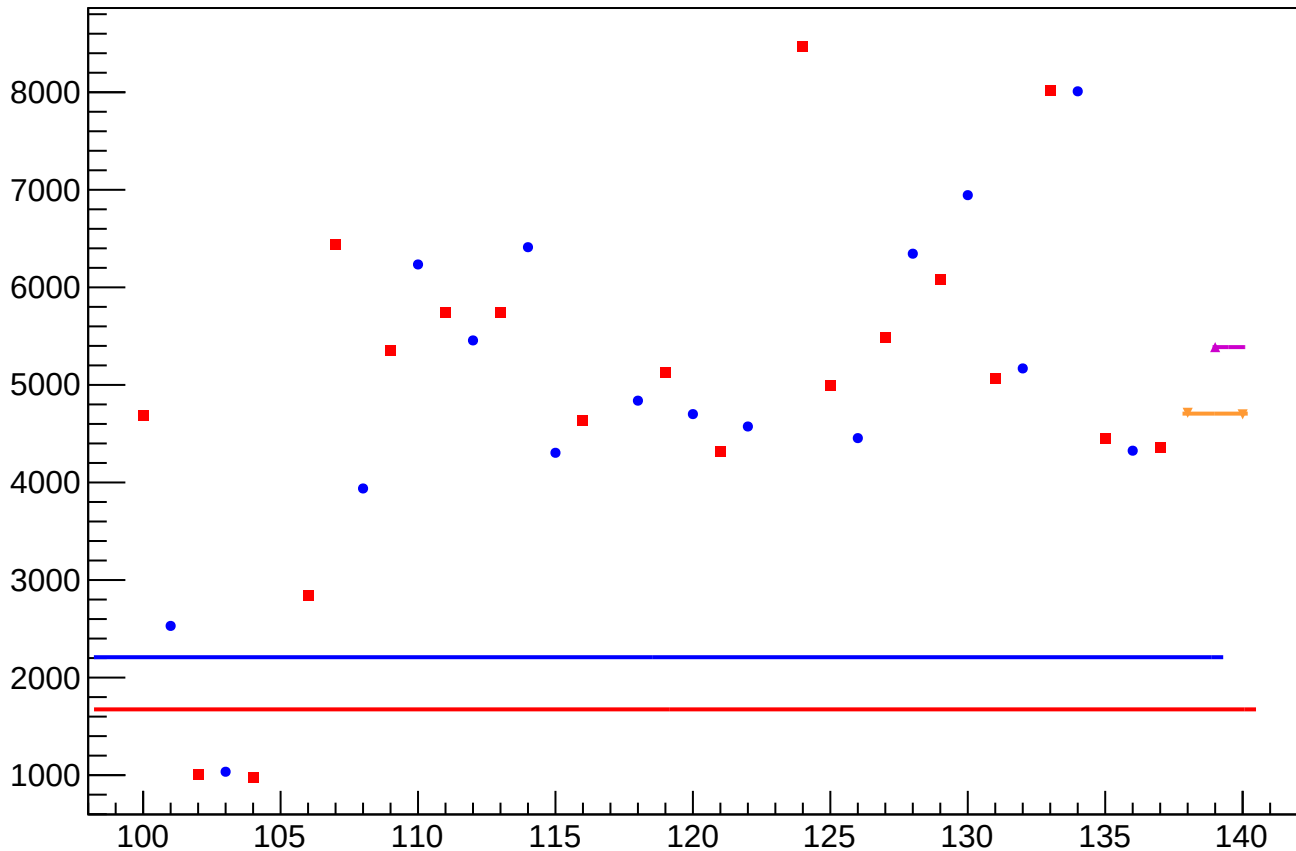
Left In: 2575.934 $\pm$ 5873.131 χ^2 /NDF: 0.0/0

+ sign -617.459 $\pm$ 1030.505 χ^2 /NDF: 15.9/17

All: -302.473 $\pm$ 645.138 χ^2 /NDF: 30.0/37

- sign -99.451 $\pm$ 827.322 χ^2 /NDF: 13.9/19

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF : 5499004.2/15

Left Out: 4705.813+/-2.633 χ^2/NDF : 9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853204.8/18

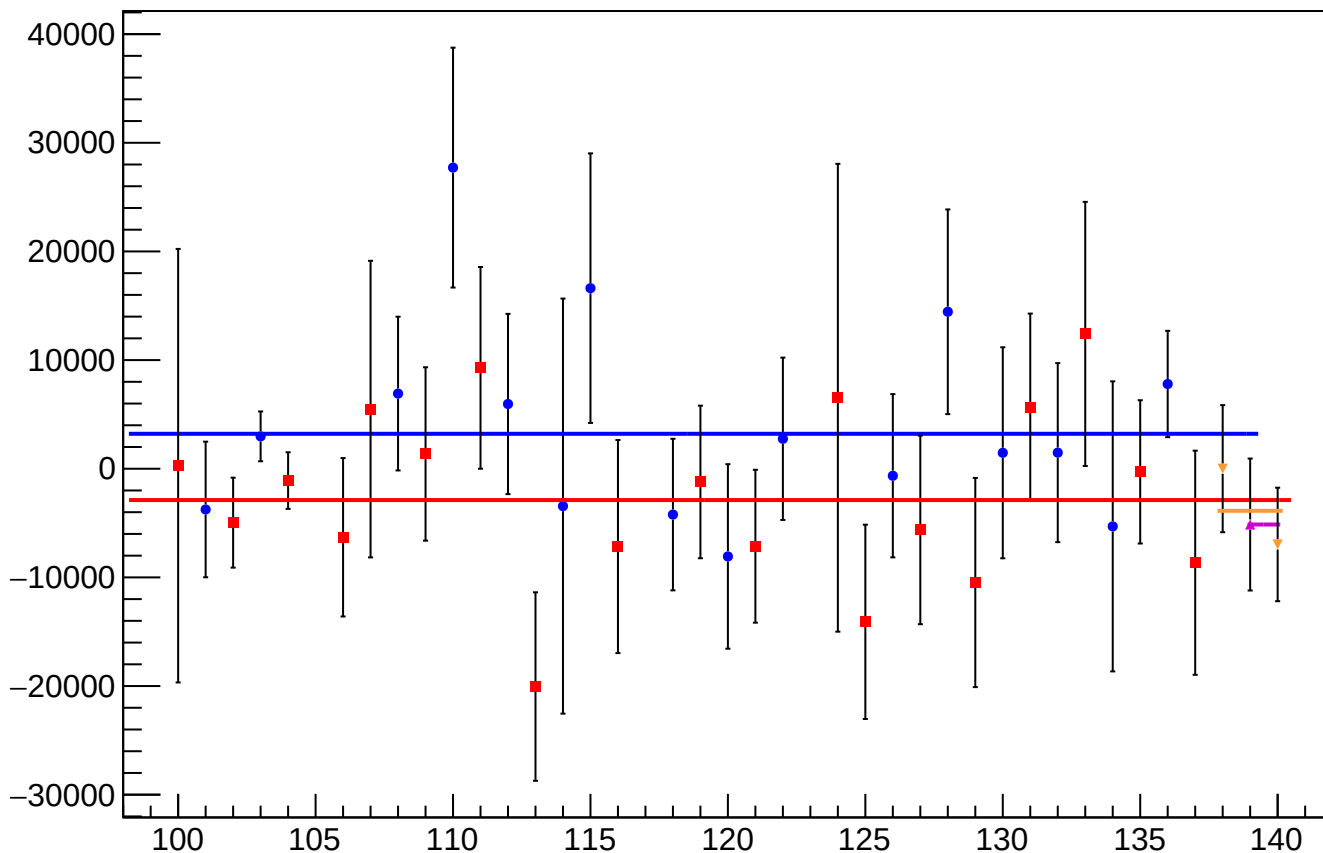
Left In: 5387.577+/-4.153 χ^2/NDF : 0.0/0

+ sign 2400.214+/-0.729 χ^2/NDF : 6329693.8/17

All: 2003.527+/-0.456 χ^2/NDF : 14453949.1/3

- sign 1747.848+/-0.585 χ^2/NDF : 7636874.8/19

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695 $\pm$ 1539.262 χ^2 /NDF: 13.8/15

Left Out: -3873.077 $\pm$ 3895.652 χ^2 /NDF: 0.8/1

Right Out: -2883.411 $\pm$ 1552.120 χ^2 /NDF: 13.4/18

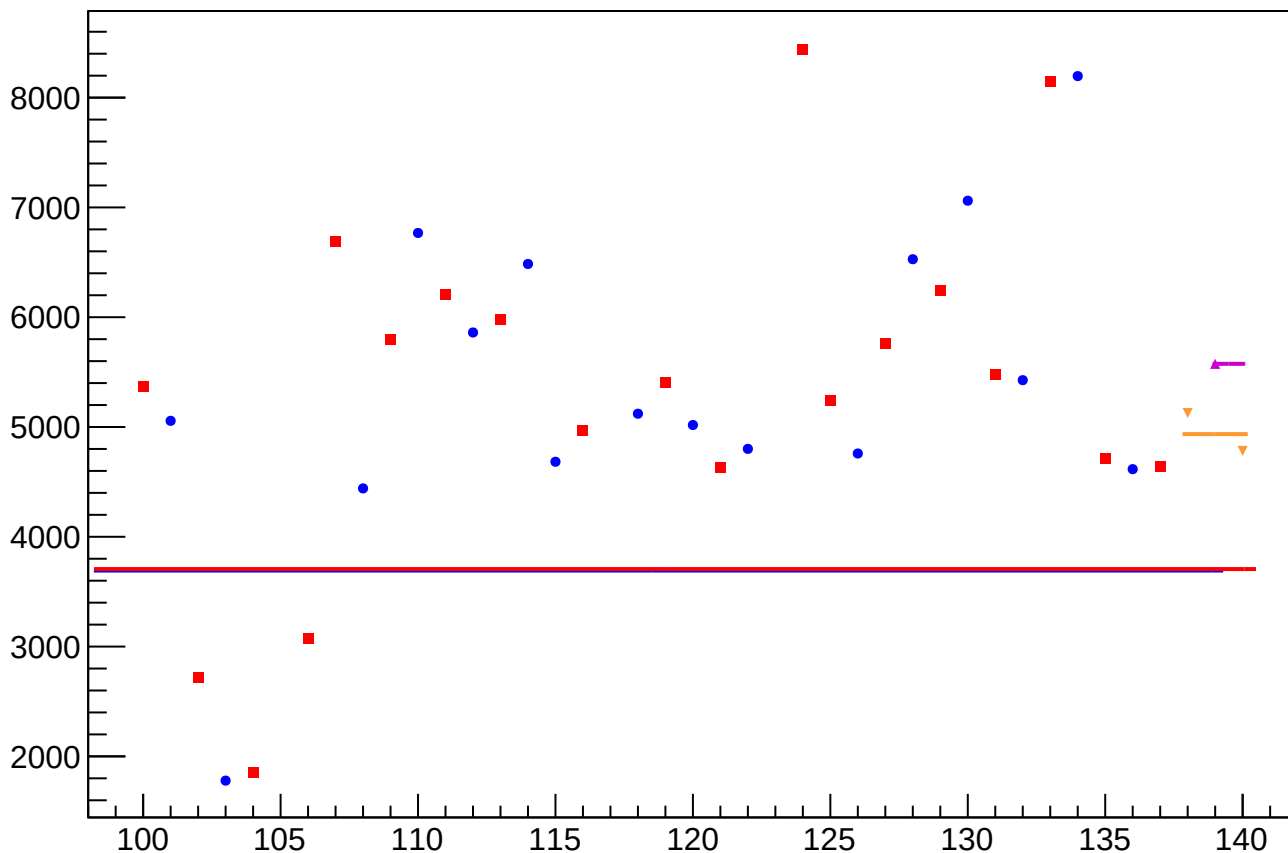
Left In: -5133.990 $\pm$ 6072.026 χ^2 /NDF: 0.0/0

+ sign 2258.430 $\pm$ 1431.563 χ^2 /NDF: 17.5/17

All: -251.708 $\pm$ 1036.855 χ^2 /NDF: 37.5/37

- sign -3021.446 $\pm$ 1503.769 χ^2 /NDF: 13.5/19

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF : 2885658.0/15

Left Out: 4935.252+/-2.755 χ^2/NDF : 3861.7/1

Right Out: 3706.081+/-1.087 χ^2/NDF : 2684528.0/18

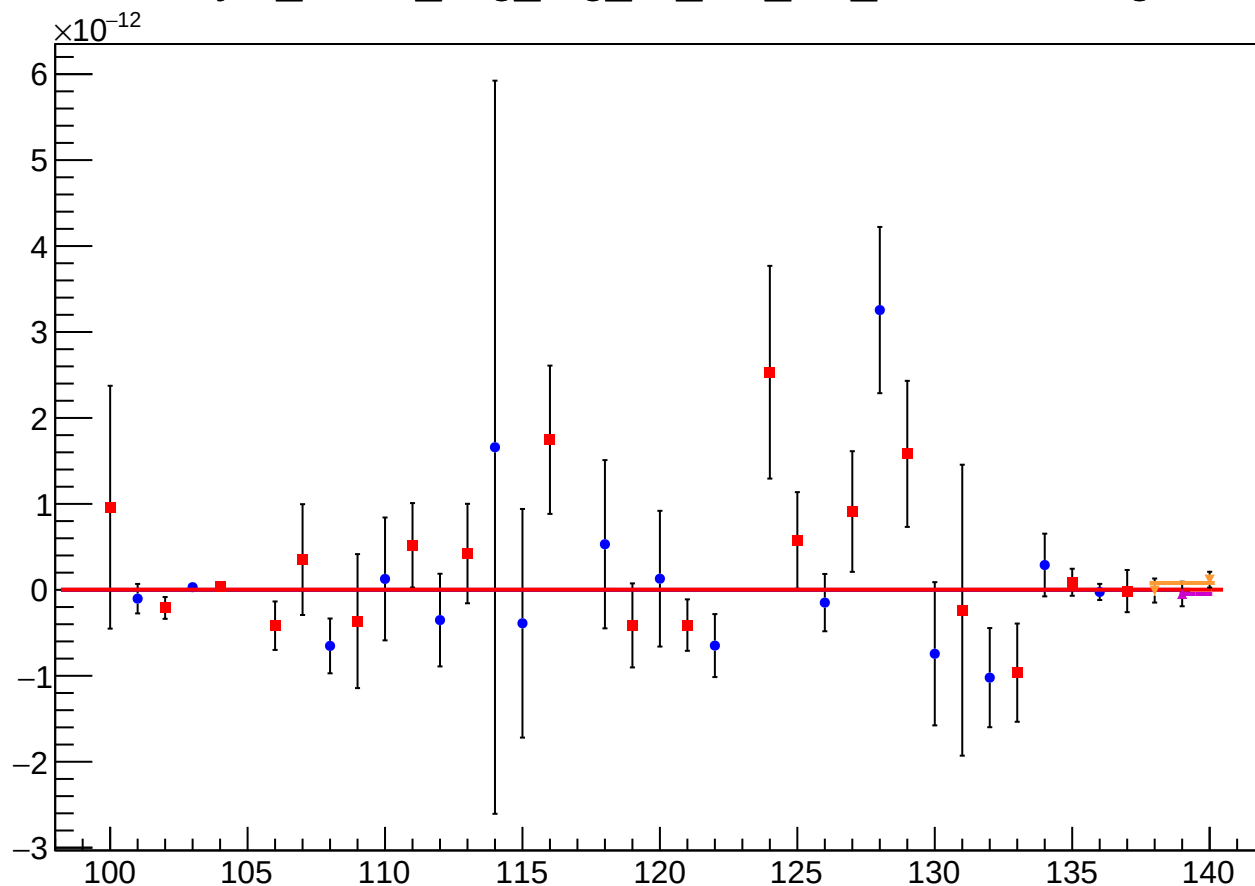
Left In: 5575.351+/-4.294 χ^2/NDF : 0.0/0

+ sign 3860.593+/-1.012 χ^2/NDF : 3065480.0/17

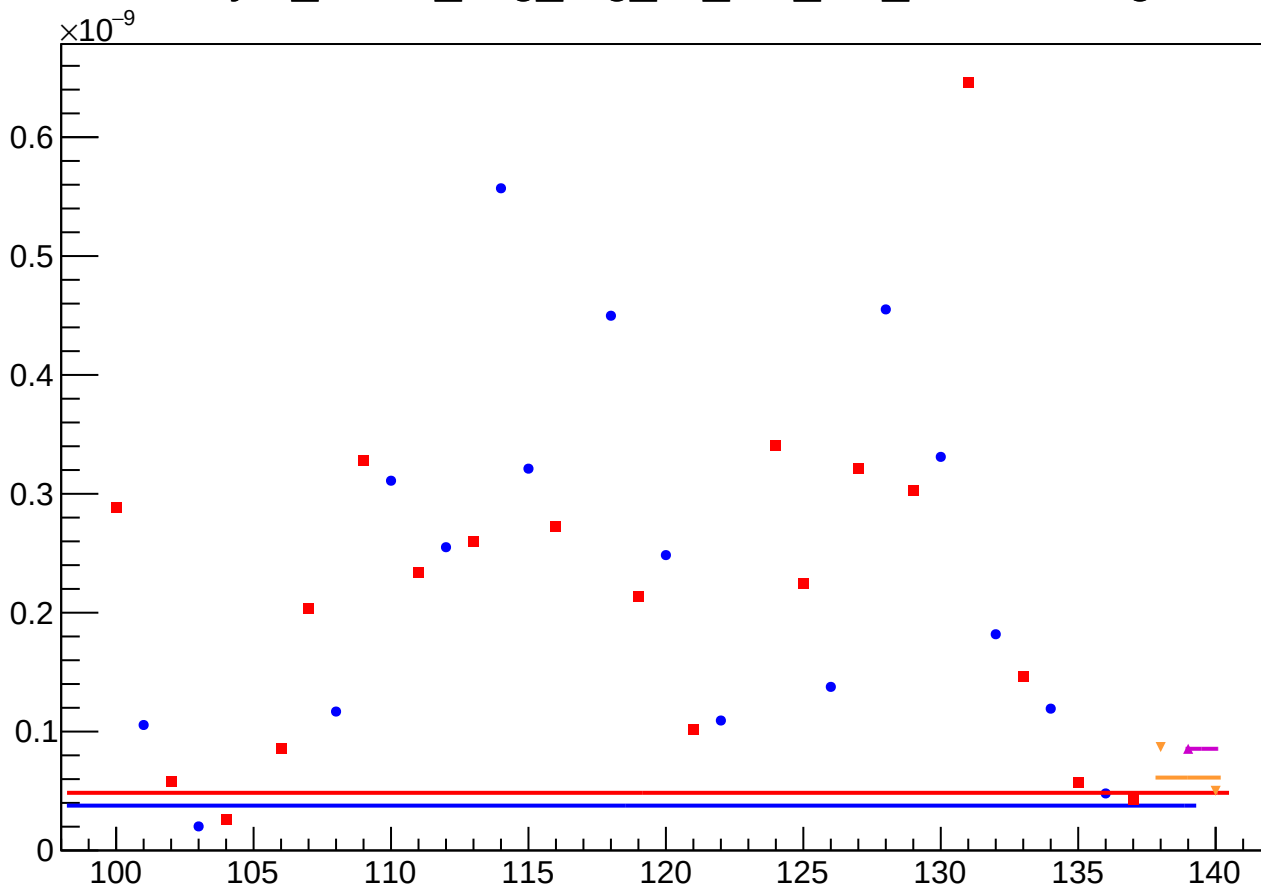
All: 3840.426+/-0.730 χ^2/NDF : 5928969.1/37

- sign 3818.589+/-1.053 χ^2/NDF : 2862662.4/19

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 96538.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2895431.5/18

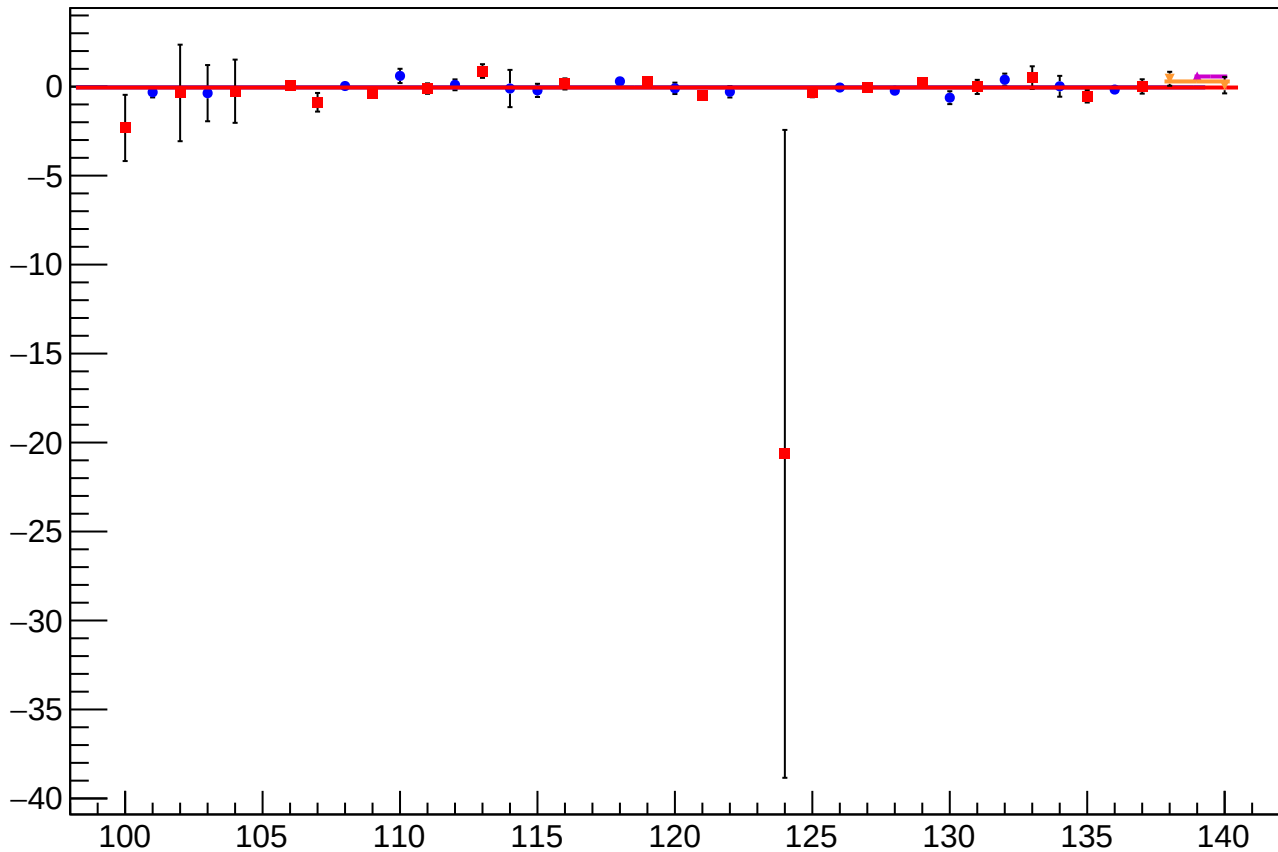
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3390755.3/17

All: 0.000+/-0.000 χ^2/NDF : 6474574.4/37

- sign 0.000+/-0.000 χ^2/NDF : 3017772.8/19

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041 ± 0.078 χ^2/NDF : 11.7/15

Left Out: 0.292 ± 0.299 χ^2/NDF : 0.3/1

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

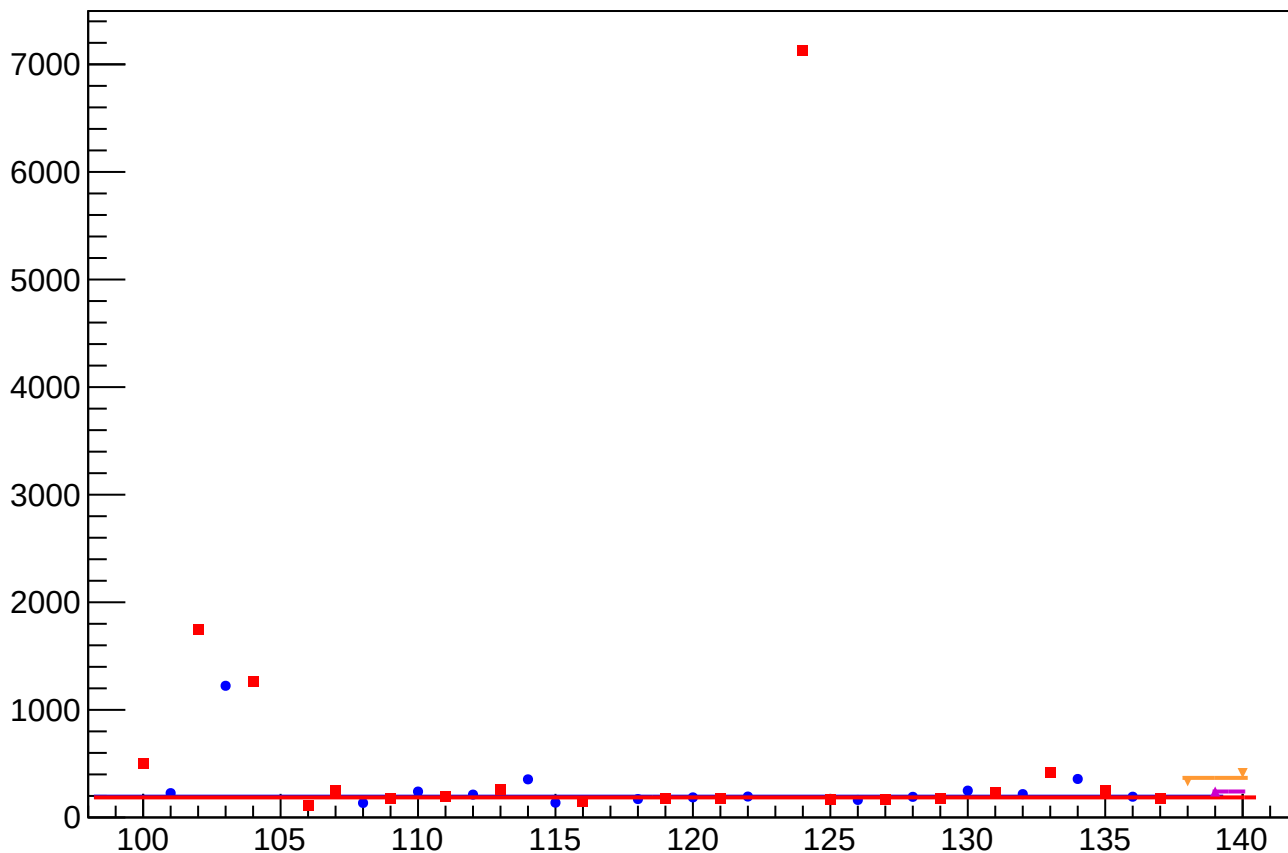
Left In: 0.570 ± 0.272 χ^2/NDF : 0.0/0

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.011 ± 0.053 χ^2/NDF : 41.1/37

- sign -0.001 ± 0.076 χ^2/NDF : 27.8/19

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248 $\pm$ 0.055 χ^2 /NDF: 1408397.0/15

Left Out: 367.850 $\pm$ 0.212 χ^2 /NDF: 32213.3/1

Right Out: 186.379 $\pm$ 0.056 χ^2 /NDF: 2479083.9/18

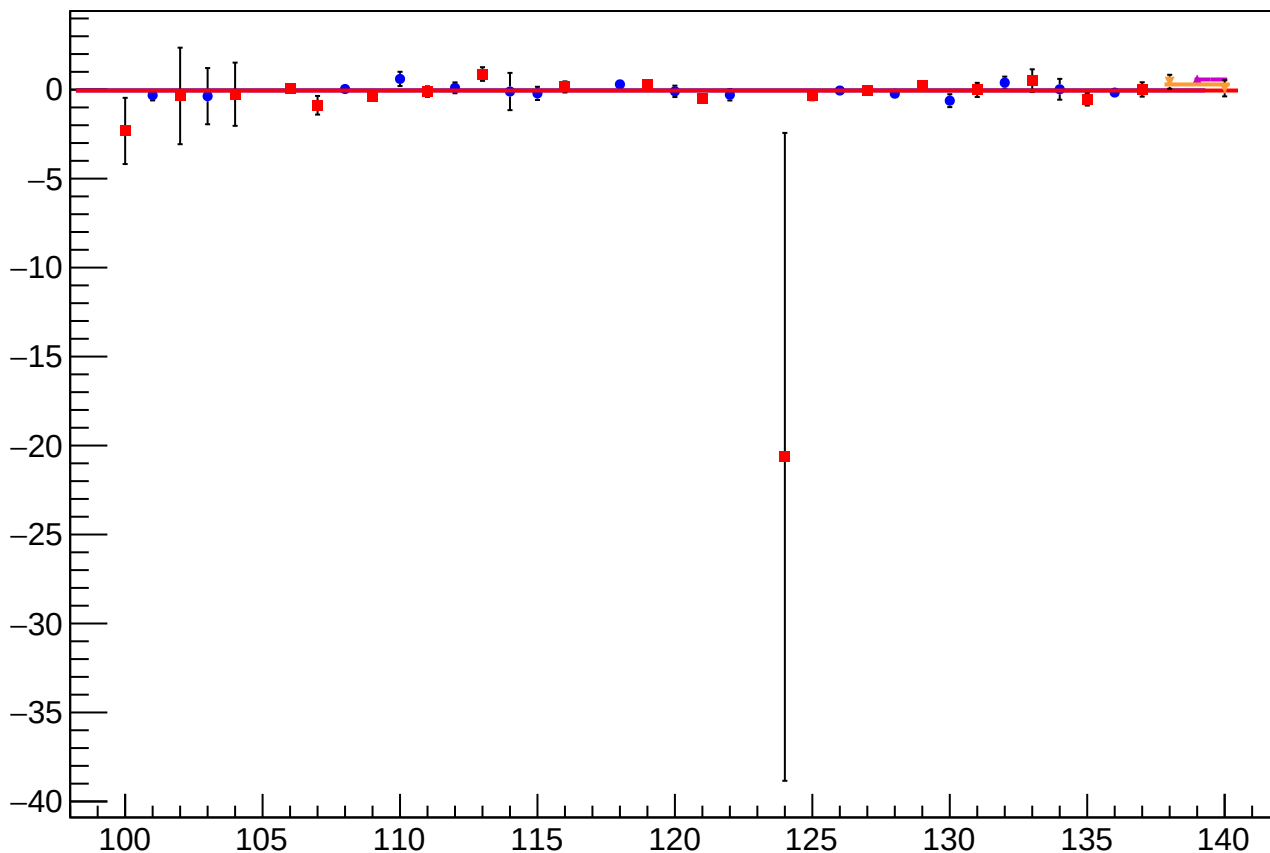
Left In: 241.196 $\pm$ 0.192 χ^2 /NDF: 0.0/0

+ sign 204.297 $\pm$ 0.053 χ^2 /NDF: 2078805.3/17

All: 197.496 $\pm$ 0.038 χ^2 /NDF: 4665609.8/37

- sign 190.618 $\pm$ 0.054 χ^2 /NDF: 2553948.1/19

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041 ± 0.078 χ^2/NDF : 11.7/15

Left Out: 0.292 ± 0.299 χ^2/NDF : 0.3/1

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

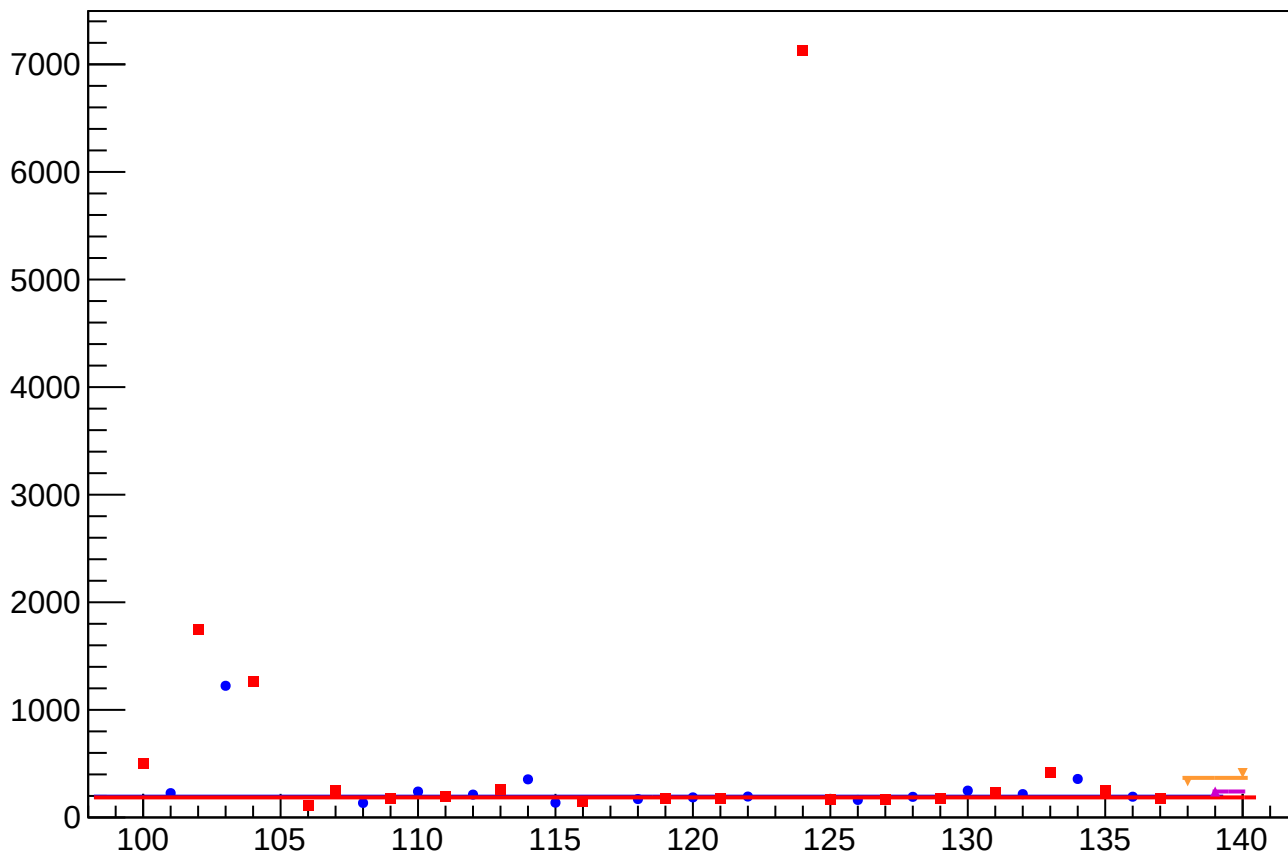
Left In: 0.570 ± 0.272 χ^2/NDF : 0.0/0

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.011 ± 0.053 χ^2/NDF : 41.1/37

- sign -0.001 ± 0.076 χ^2/NDF : 27.8/19

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248 $\pm$ 0.055 χ^2 /NDF: 1408397.0/15

Left Out: 367.850 $\pm$ 0.212 χ^2 /NDF: 32213.3/1

Right Out: 186.379 $\pm$ 0.056 χ^2 /NDF: 2479083.9/18

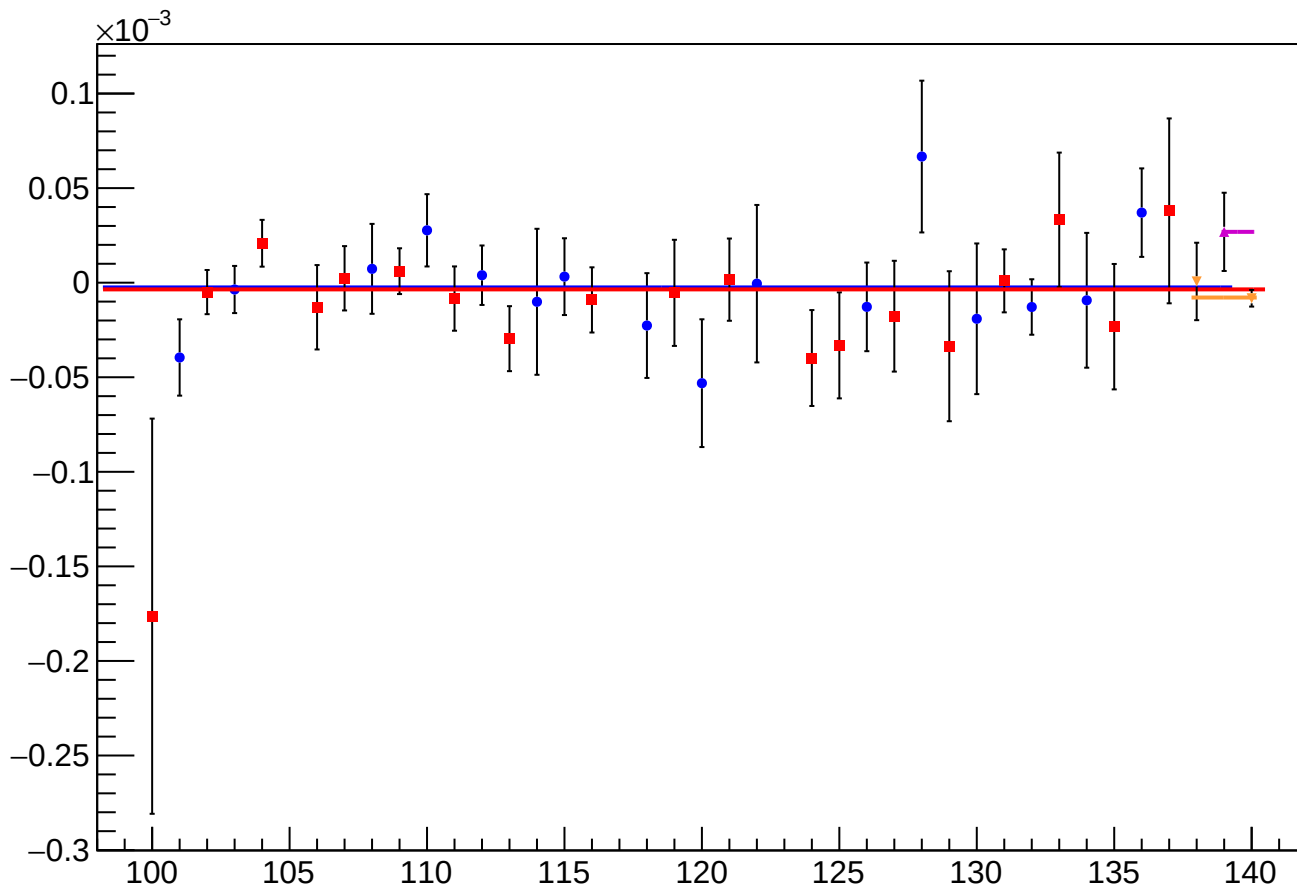
Left In: 241.196 $\pm$ 0.192 χ^2 /NDF: 0.0/0

+ sign 204.297 $\pm$ 0.053 χ^2 /NDF: 2078805.3/17

All: 197.496 $\pm$ 0.038 χ^2 /NDF: 4665609.8/37

- sign 190.618 $\pm$ 0.054 χ^2 /NDF: 2553948.1/19

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.2/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.3/18

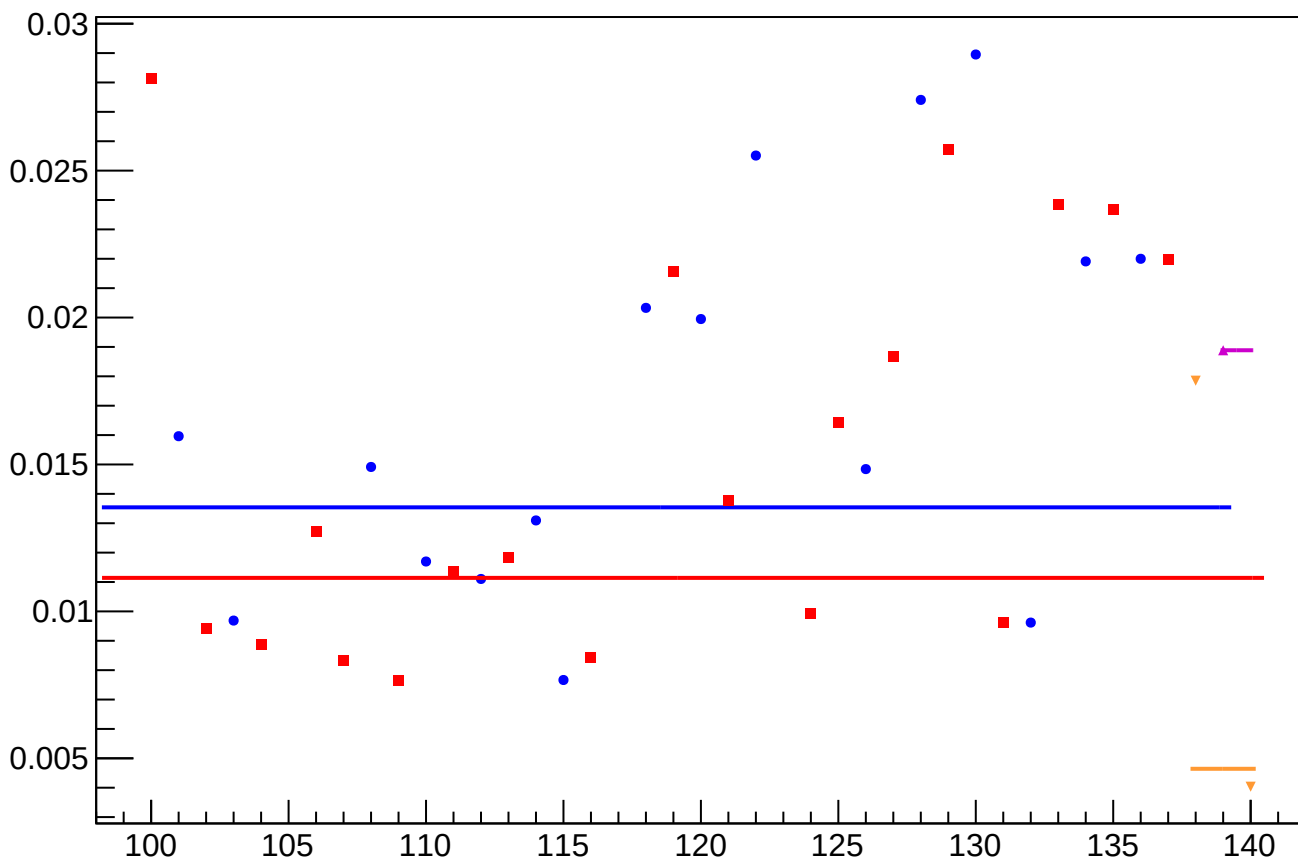
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 16.6/17

All: -0.000 ± 0.000 χ^2/NDF : 35.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 18.4/19

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1877615.1/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 870880.3/1

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1887740.8/18

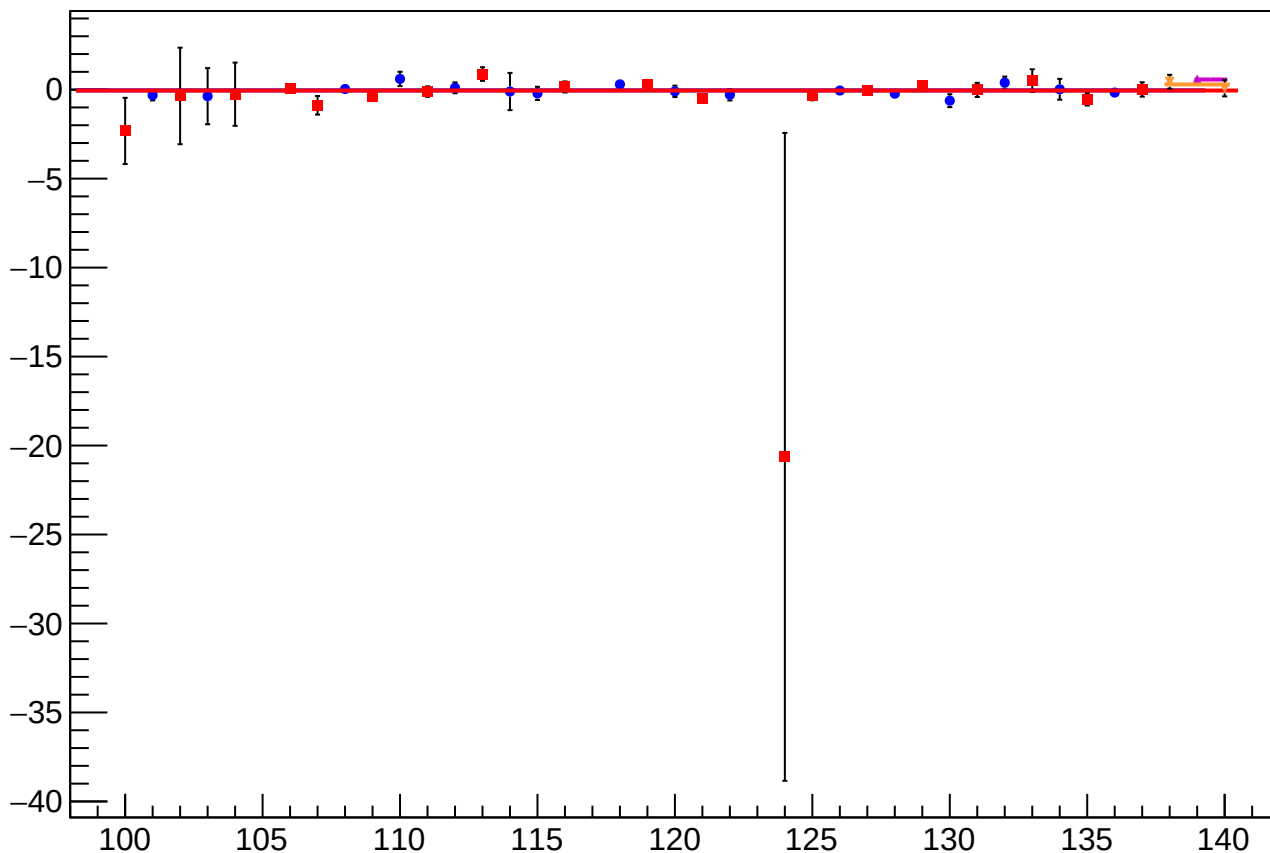
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6031671.6/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 8960596.3/37

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2155835.3/19

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.041 ± 0.078 χ^2/NDF : 11.7/15

Left Out: 0.292 ± 0.299 χ^2/NDF : 0.3/1

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

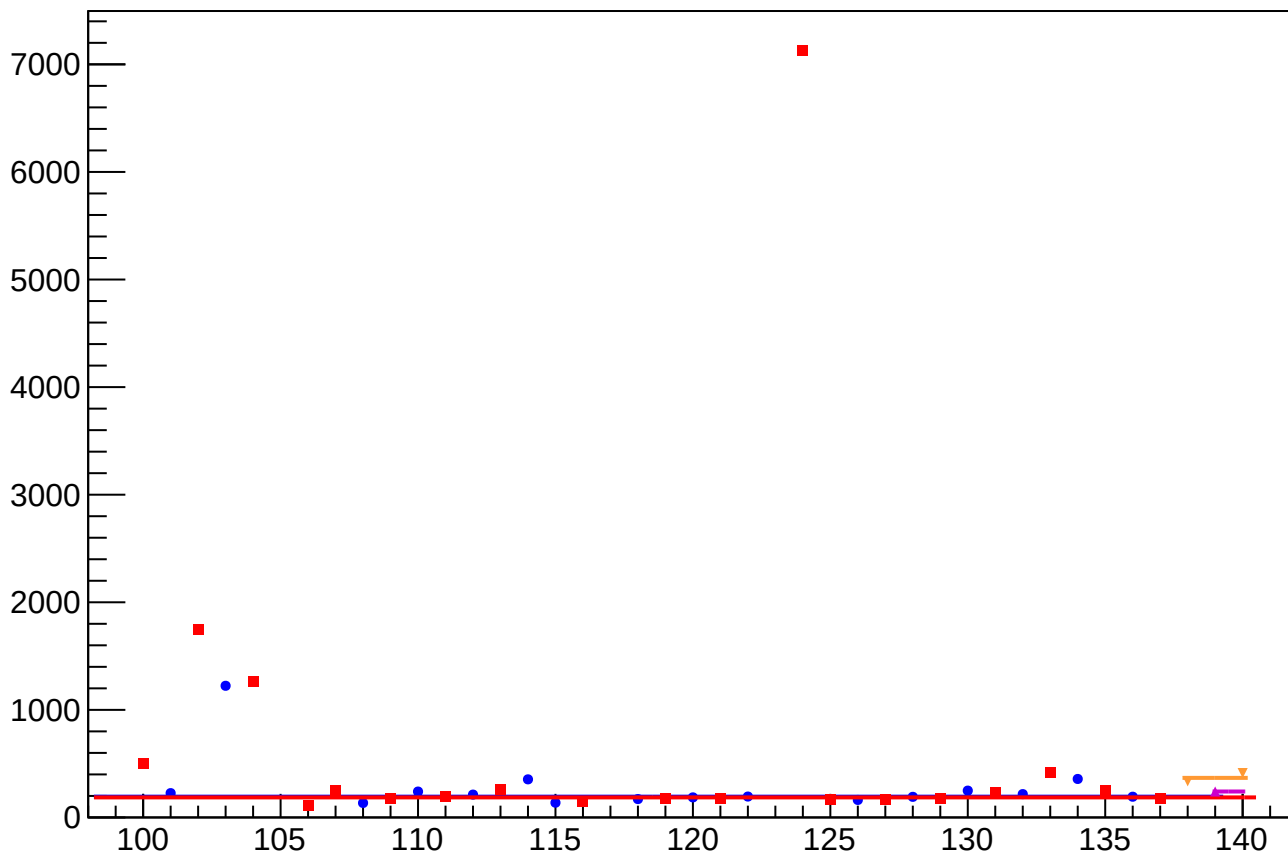
Left In: 0.570 ± 0.272 χ^2/NDF : 0.0/0

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.011 ± 0.053 χ^2/NDF : 41.1/37

- sign -0.001 ± 0.076 χ^2/NDF : 27.8/19

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: 367.854+/-0.212 χ^2/NDF : 32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF : 2479113.1/18

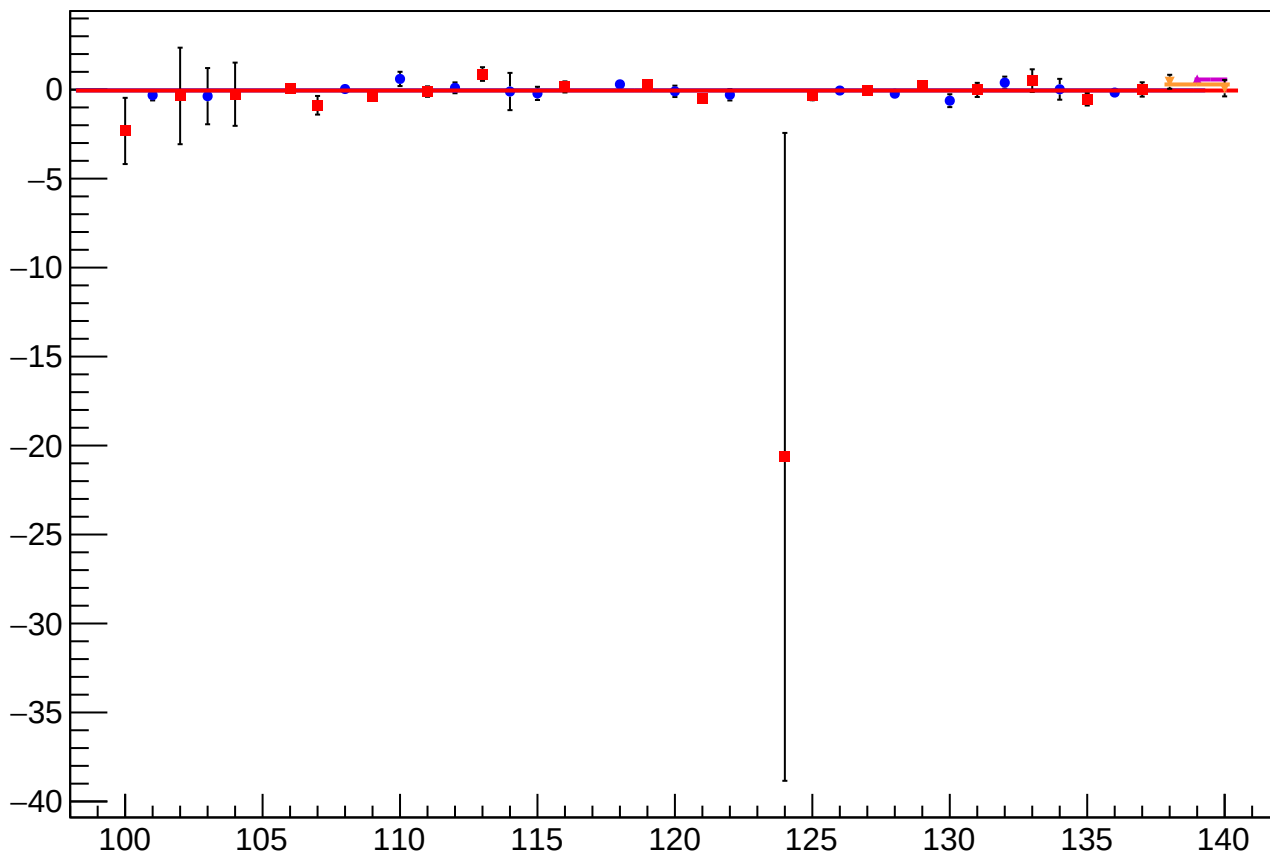
Left In: 241.201+/-0.192 χ^2/NDF : 0.0/0

+ sign 204.296+/-0.053 χ^2/NDF : 2078819.3/17

All: 197.495+/-0.038 χ^2/NDF : 4665672.2/37

- sign 190.616+/-0.054 χ^2/NDF : 2553994.1/19

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041 ± 0.078 χ^2/NDF : 11.7/15

Left Out: 0.292 ± 0.299 χ^2/NDF : 0.3/1

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

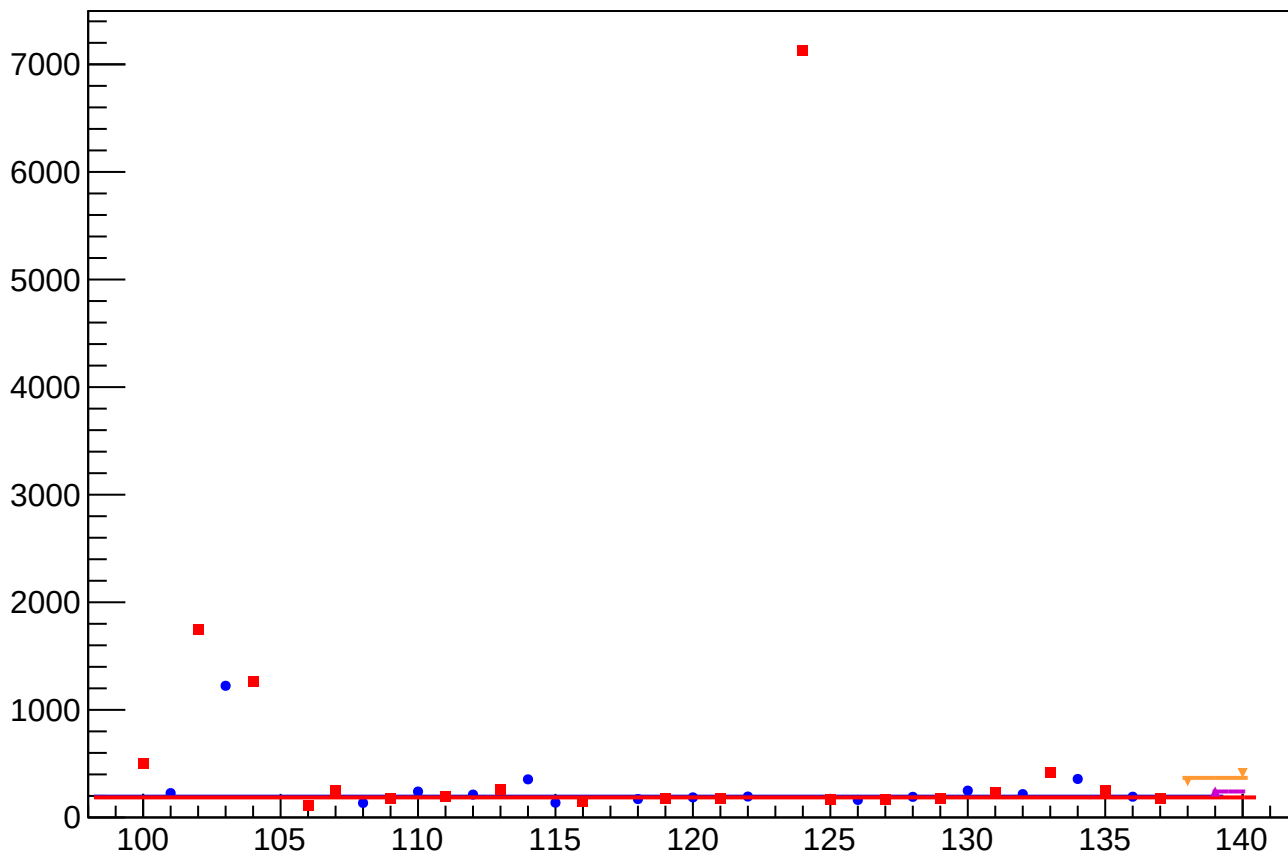
Left In: 0.570 ± 0.272 χ^2/NDF : 0.0/0

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.011 ± 0.053 χ^2/NDF : 41.1/37

- sign -0.001 ± 0.076 χ^2/NDF : 27.8/19

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF : 1408390.6/15

Left Out: 367.854+/-0.212 χ^2/NDF : 32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF : 2479113.1/18

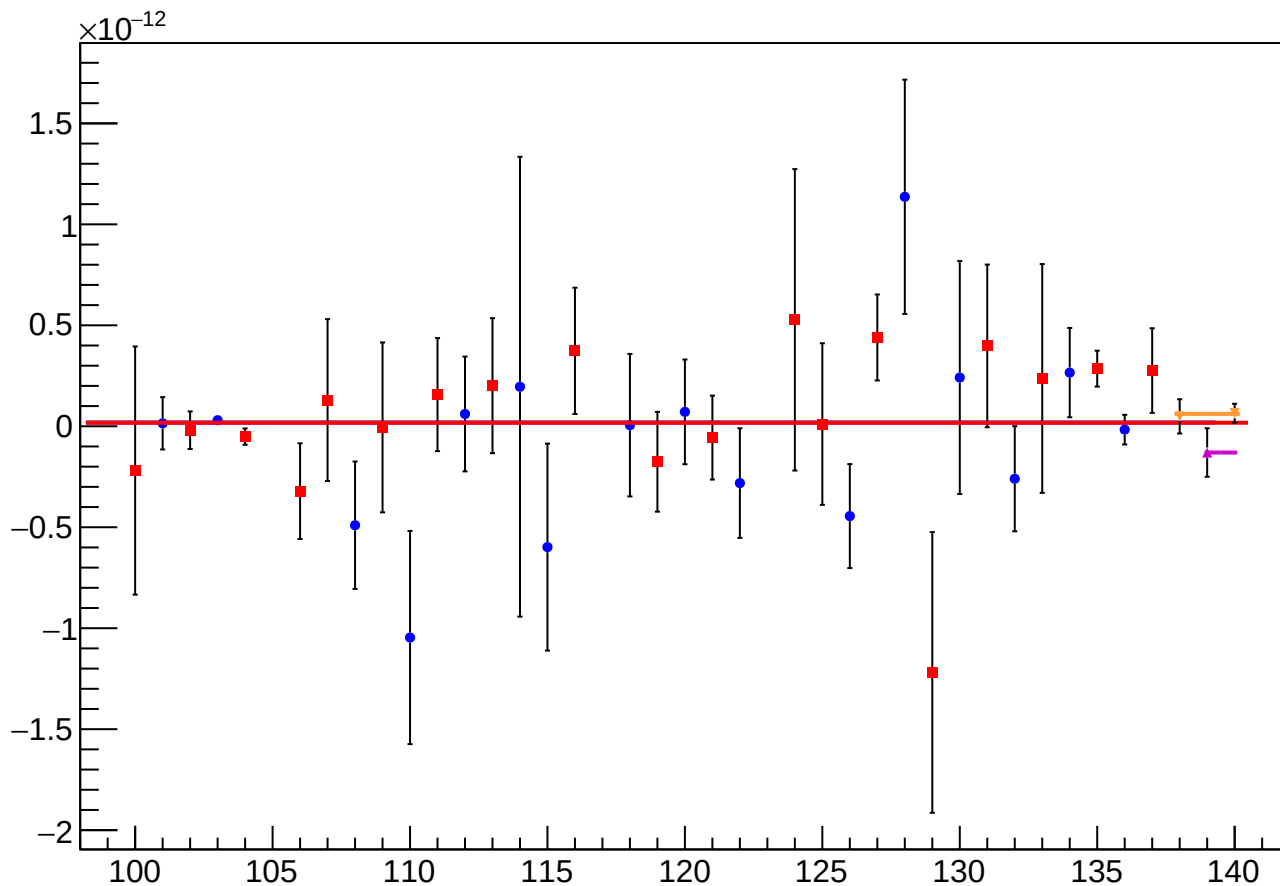
Left In: 241.201+/-0.192 χ^2/NDF : 0.0/0

+ sign 204.296+/-0.053 χ^2/NDF : 2078819.3/17

All: 197.495+/-0.038 χ^2/NDF : 4665672.2/37

- sign 190.616+/-0.054 χ^2/NDF : 2553994.1/19

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/18

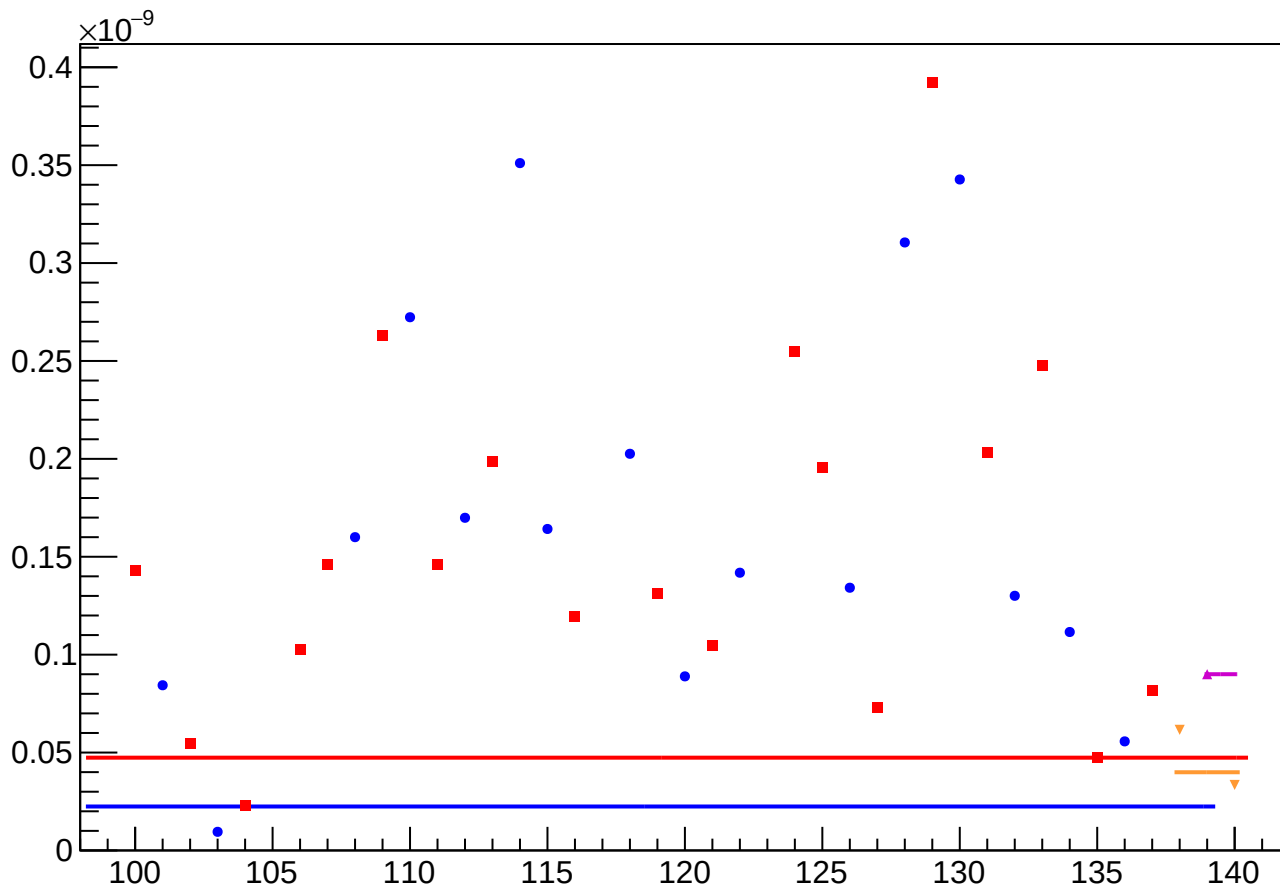
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.2/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/19

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 169651.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4236050.4/18

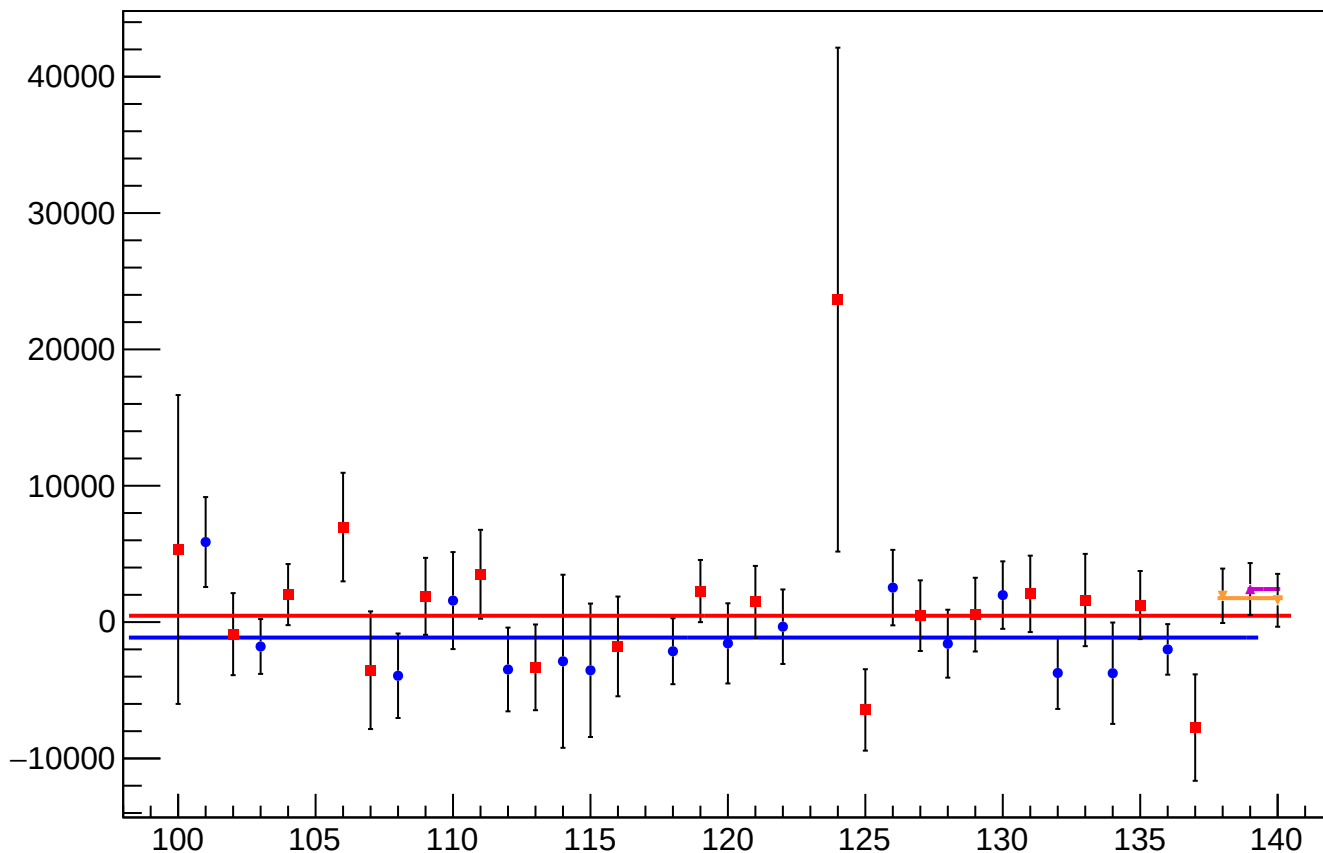
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 6873802.4/17

All: 0.000+/-0.000 χ^2/NDF : 12272468.3/37

- sign 0.000+/-0.000 χ^2/NDF : 4472385.6/19

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630 $\pm$ 693.782 χ^2 /NDF: 12.2/15

Left Out: 1759.163 $\pm$ 1390.294 χ^2 /NDF: 0.0/1

Right Out: 465.519 $\pm$ 705.926 χ^2 /NDF: 20.0/18

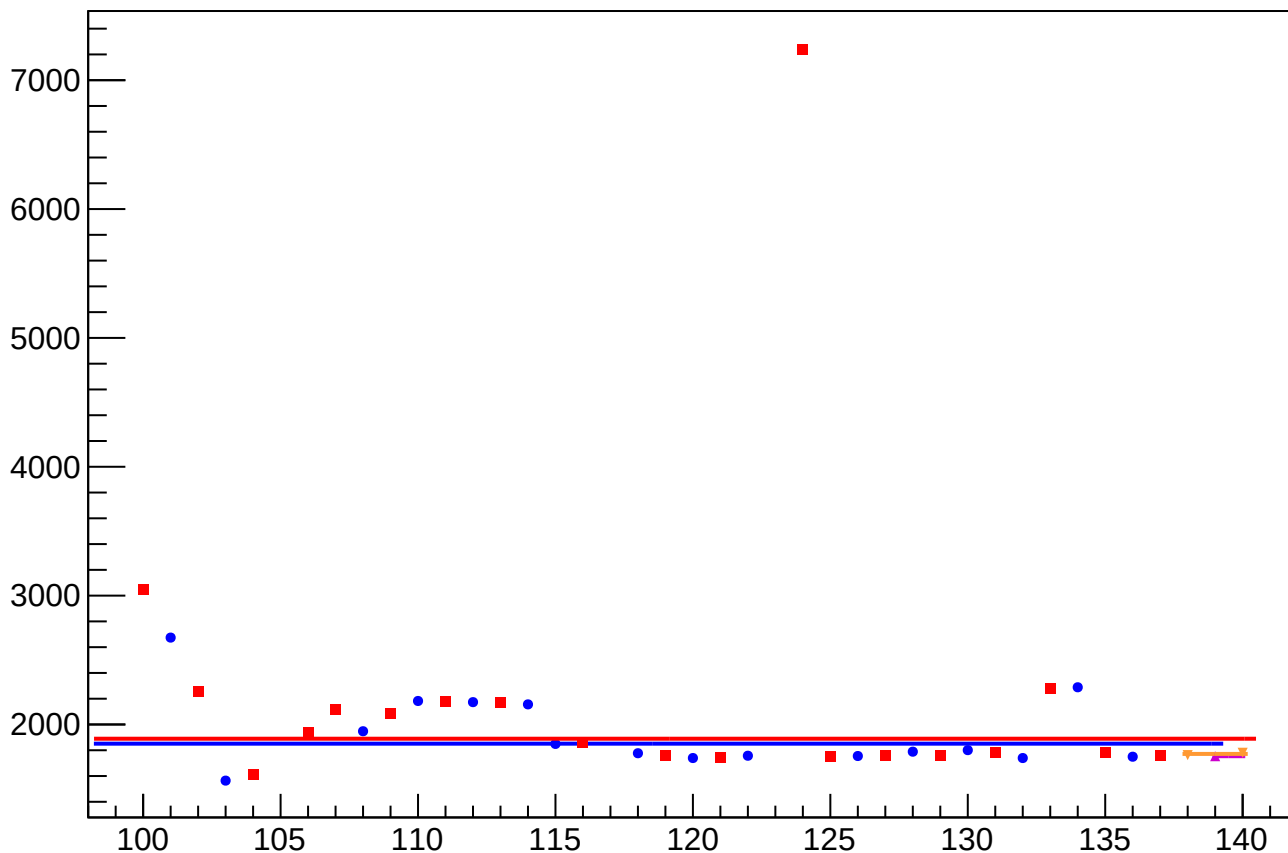
Left In: 2423.661 $\pm$ 1906.245 χ^2 /NDF: 0.0/0

+ sign -557.690 $\pm$ 620.781 χ^2 /NDF: 15.7/17

All: 31.574 $\pm$ 452.827 χ^2 /NDF: 38.6/37

- sign 701.671 $\pm$ 661.991 χ^2 /NDF: 20.9/19

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF : 259981.6/15

Left Out: 1771.539+/-0.983 χ^2/NDF : 85.7/1

Right Out: 1889.528+/-0.498 χ^2/NDF : 358902.6/18

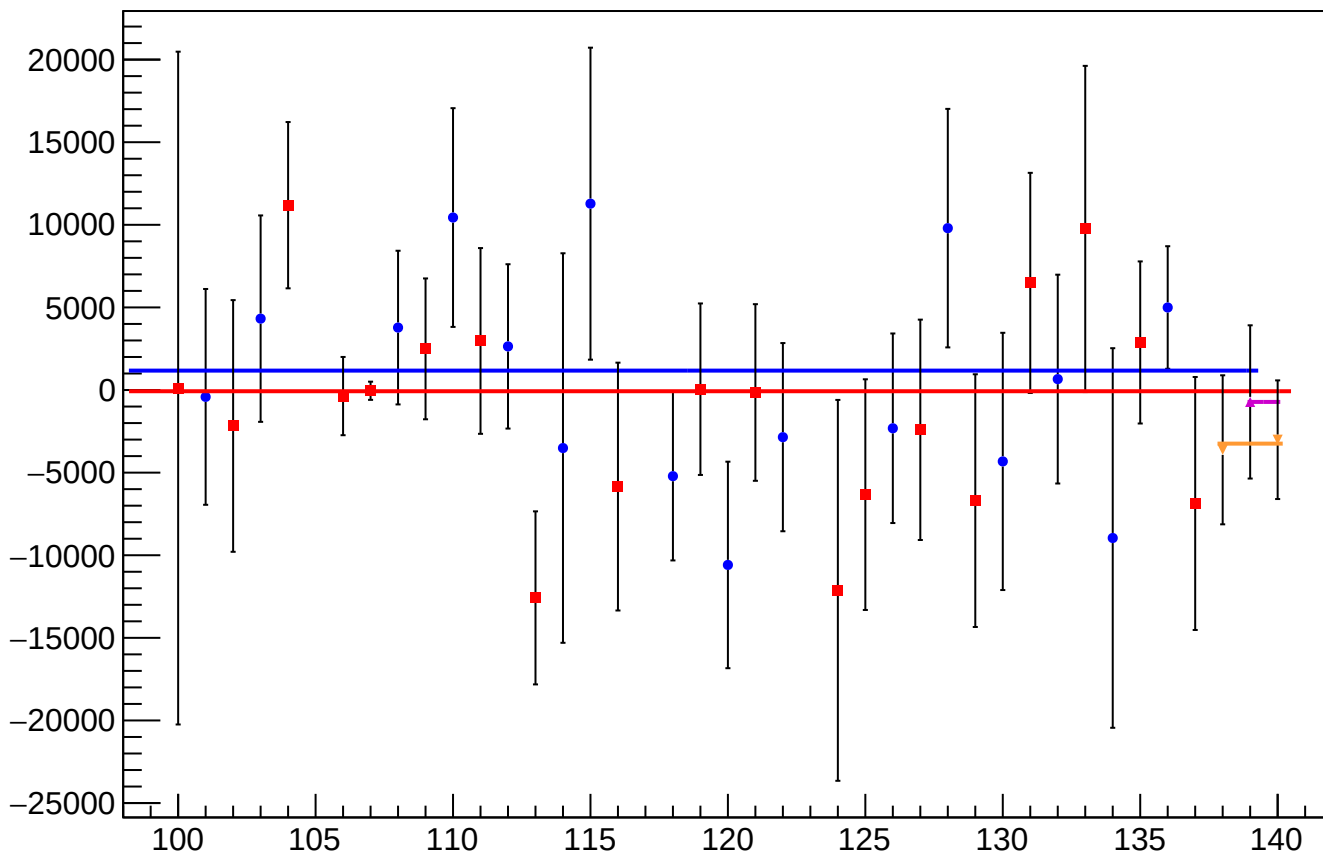
Left In: 1753.926+/-1.348 χ^2/NDF : 0.0/0

+ sign 1835.262+/-0.439 χ^2/NDF : 265315.1/17

All: 1853.071+/-0.320 χ^2/NDF : 636632.9/37

- sign 1873.241+/-0.467 χ^2/NDF : 367807.5/19

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430 $\pm$ 1502.128 χ^2 /NDF: 13.7/15

Left Out: -3244.198 $\pm$ 2809.305 χ^2 /NDF:0.0/1

Right Out: -72.681 $\pm$ 505.693 χ^2 /NDF: 17.9/18

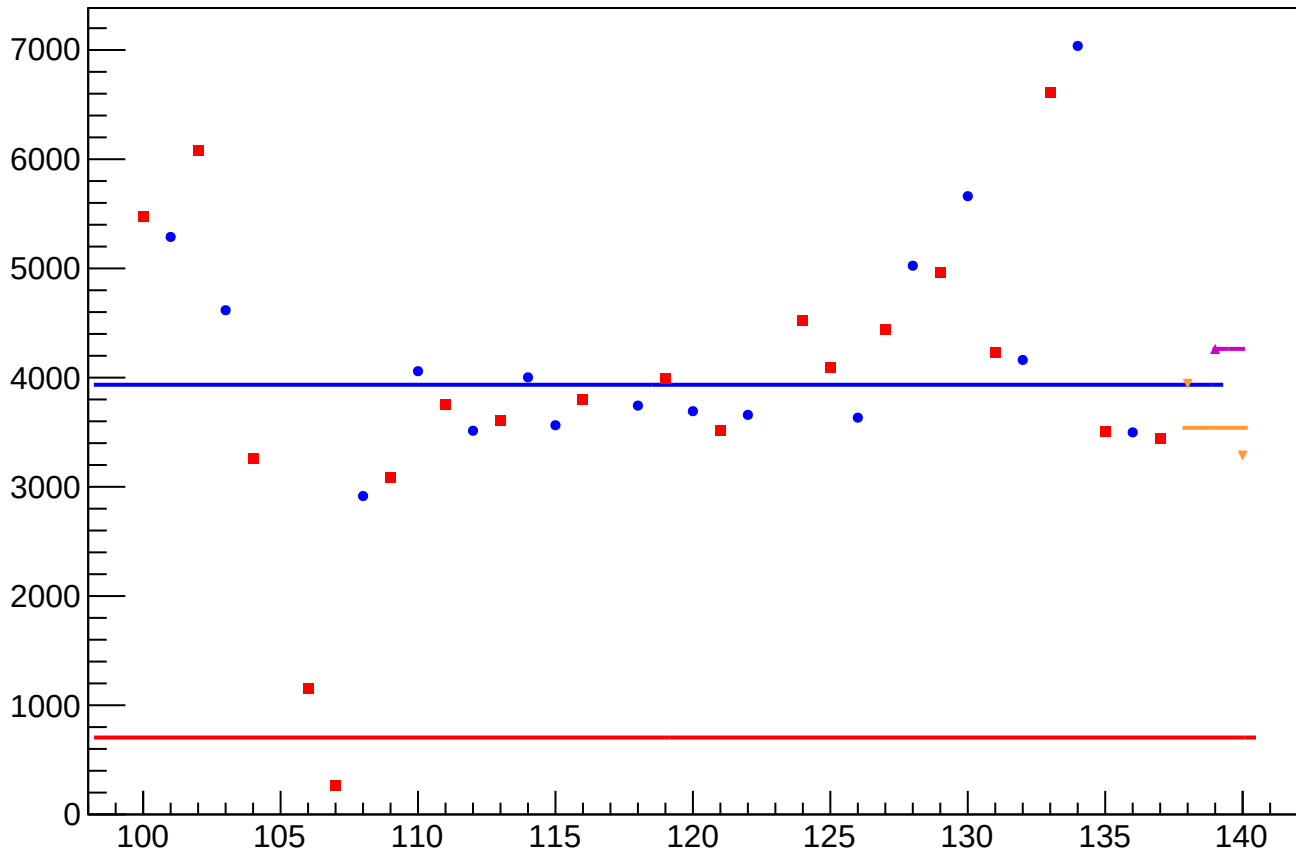
Left In: -720.334 $\pm$ 4637.978 χ^2 /NDF:0.0/0

+ sign 192.790 $\pm$ 1324.656 χ^2 /NDF: 15.7/17

All: -45.911 $\pm$ 470.006 χ^2 /NDF: 33.6/37

- sign -80.290 $\pm$ 502.714 χ^2 /NDF: 17.9/19

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718 $\pm$ 1.062 χ^2 /NDF: 560125.6/15

Left Out: 3540.622 $\pm$ 1.986 χ^2 /NDF: 26001.0/1

Right Out: 704.385 $\pm$ 0.358 χ^2 /NDF: 10618643.5/18

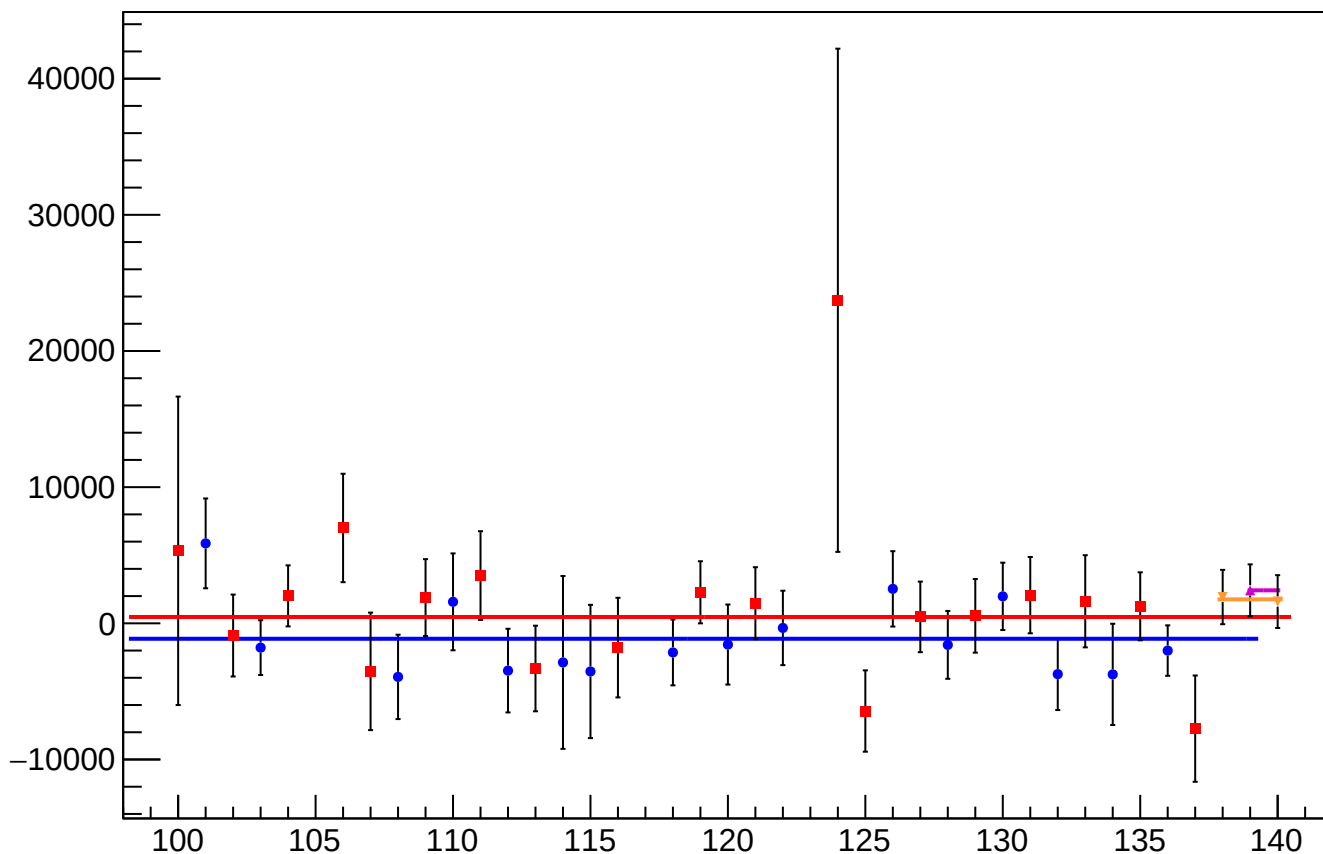
Left In: 4263.071 $\pm$ 3.280 χ^2 /NDF: 0.0/0

+ sign 3847.097 $\pm$ 0.937 χ^2 /NDF: 616734.1/17

All: 1136.575 $\pm$ 0.332 χ^2 /NDF: 21978996.2/3

- sign 746.195 $\pm$ 0.355 χ^2 /NDF: 11782285.2/19

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203 ± 693.782 χ^2/NDF : 12.2/15

Left Out: 1759.128 ± 1390.294 χ^2/NDF : 0.0/1

Right Out: 465.899 ± 705.928 χ^2/NDF : 20.0/18

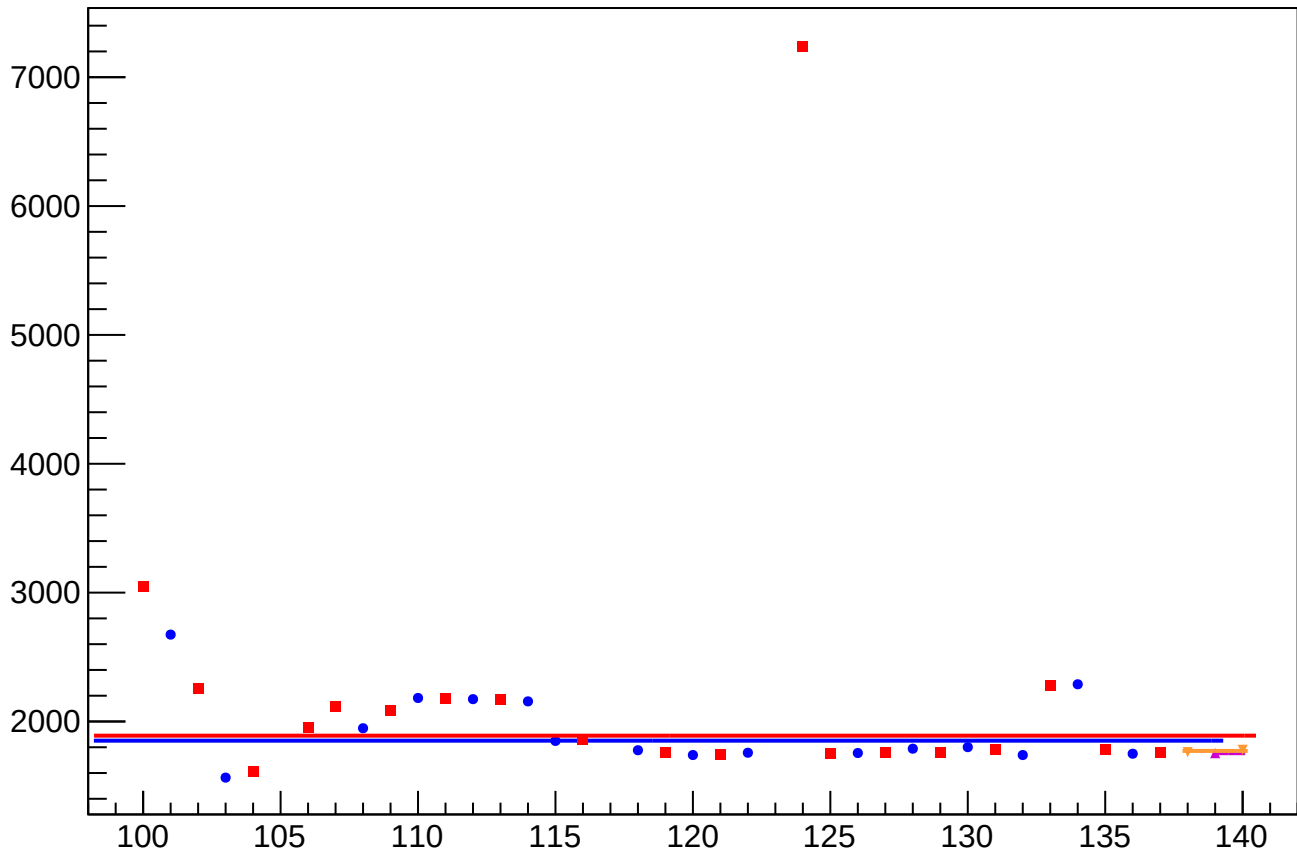
Left In: 2423.609 ± 1906.245 χ^2/NDF : 0.0/0

+ sign -557.355 ± 620.781 χ^2/NDF : 15.7/17

All: 31.905 ± 452.827 χ^2/NDF : 38.6/37

- sign 701.999 ± 661.993 χ^2/NDF : 21.0/19

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF : 85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

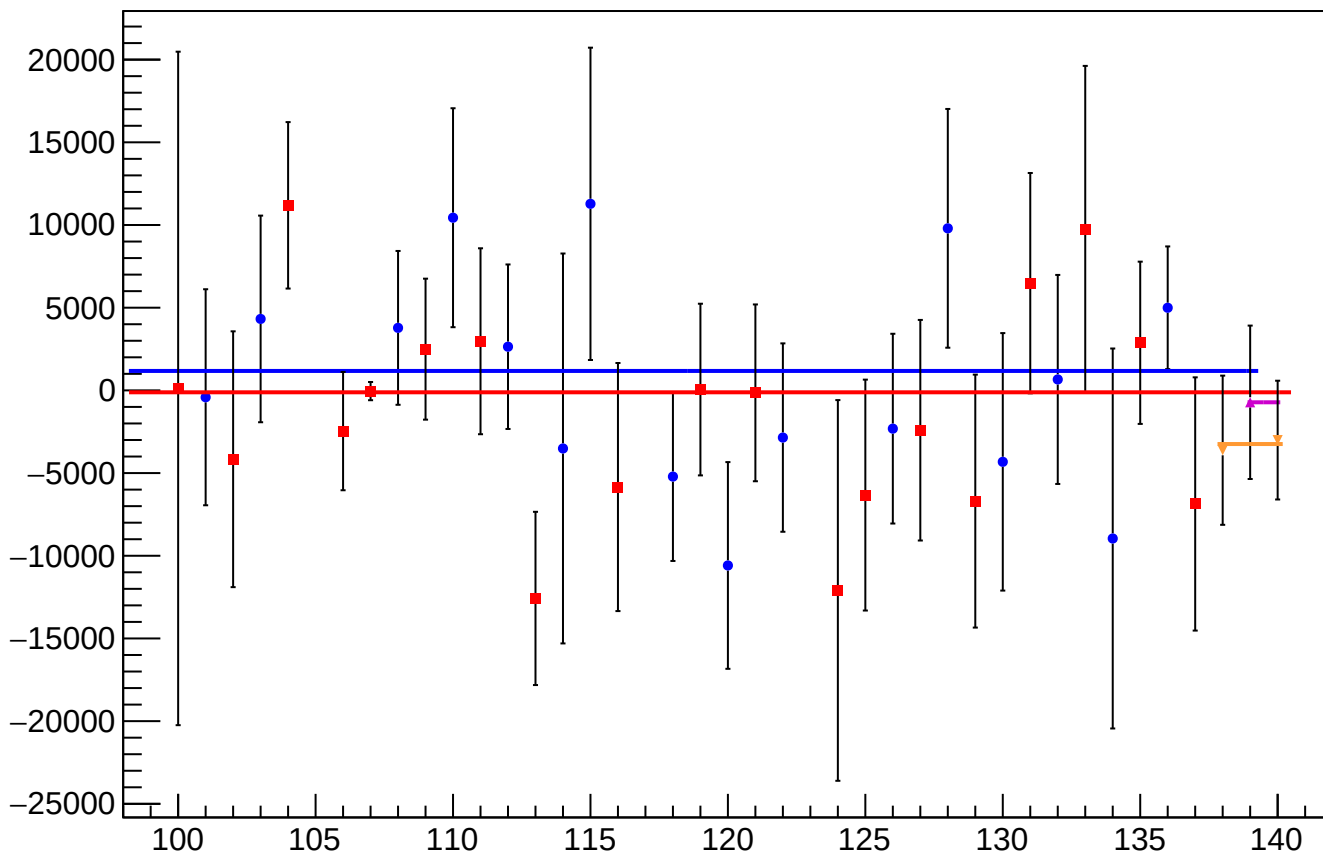
Left In: 1753.926+/-1.348 χ^2/NDF : 0.0/0

+ sign 1835.262+/-0.439 χ^2/NDF : 265314.3/17

All: 1853.254+/-0.320 χ^2/NDF : 636984.5/37

- sign 1873.638+/-0.467 χ^2/NDF : 368087.0/19

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2 /NDF: 13.7/15

Left Out: -3243.980 $\pm$ 2809.295 χ^2 /NDF: 0.0/1

Right Out: -115.917 $\pm$ 512.289 χ^2 /NDF: 18.6/18

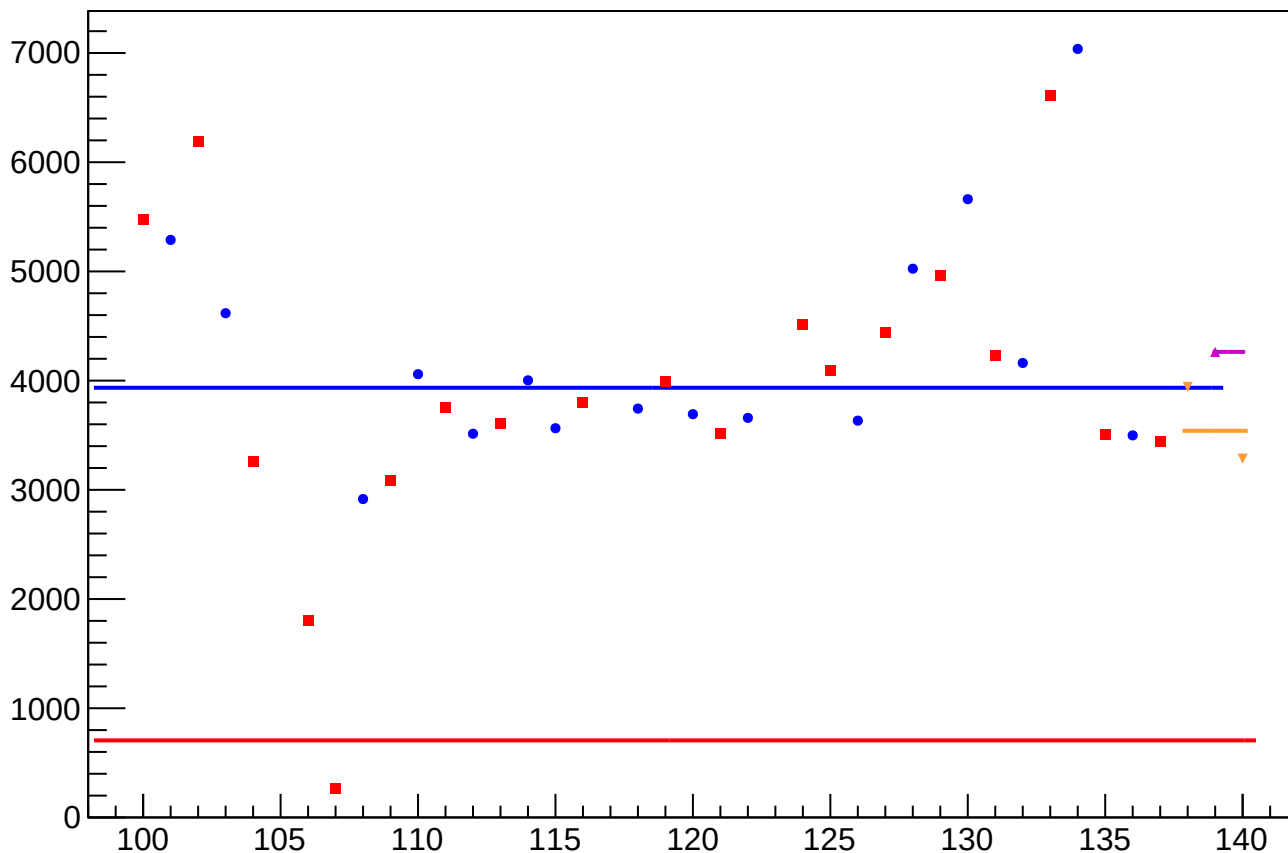
Left In: -720.326 $\pm$ 4637.969 χ^2 /NDF: 0.0/0

+ sign 192.810 $\pm$ 1324.659 χ^2 /NDF: 15.7/17

All: -82.519 $\pm$ 475.287 χ^2 /NDF: 34.3/37

- sign -123.202 $\pm$ 509.192 χ^2 /NDF: 18.6/19

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727 $\pm$ 1.062 χ^2 /NDF: 560149.8/15

Left Out: 3540.608 $\pm$ 1.986 χ^2 /NDF: 26001.1/1

Right Out: 705.620 $\pm$ 0.362 χ^2 /NDF: 10747208.1/18

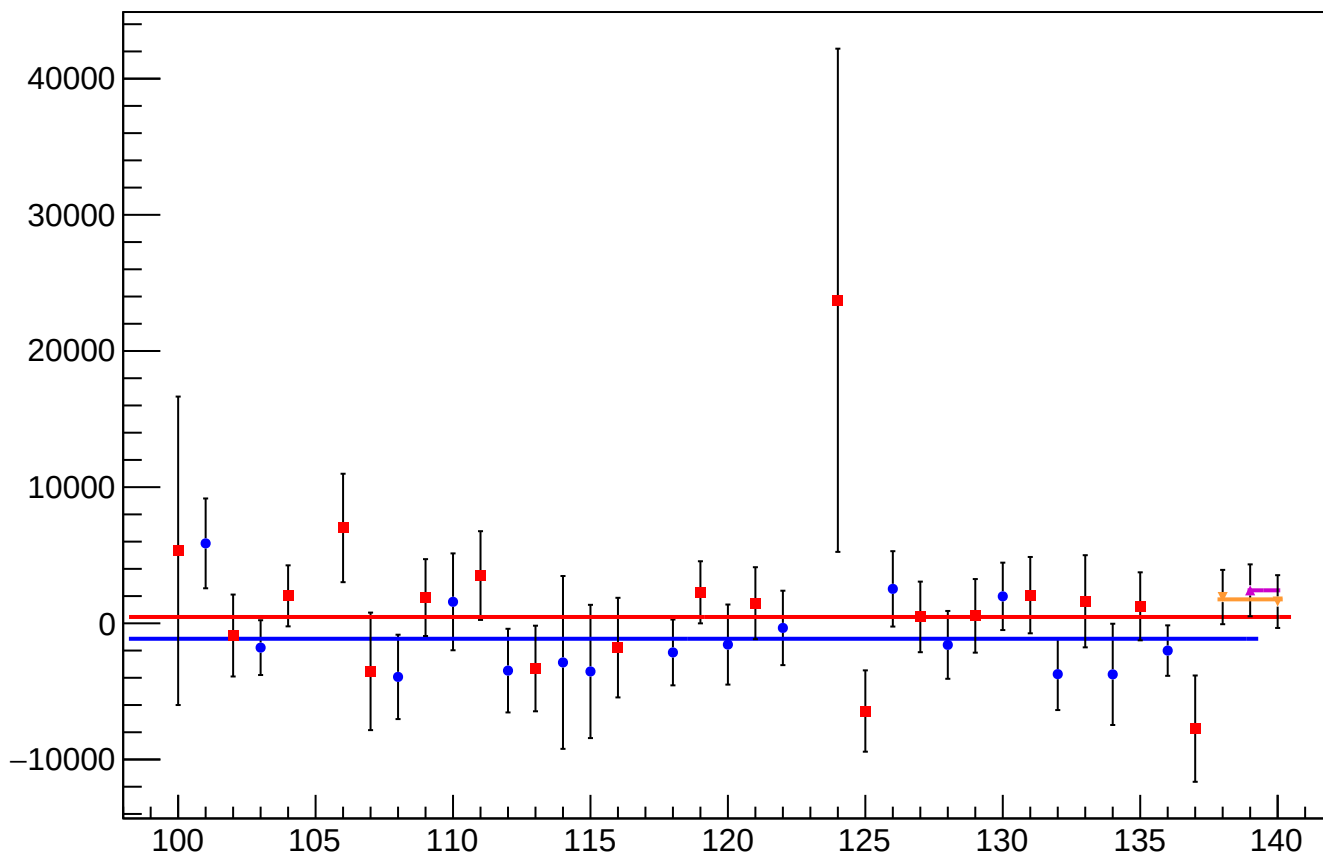
Left In: 4263.062 $\pm$ 3.280 χ^2 /NDF: 0.0/0

+ sign 3847.099 $\pm$ 0.937 χ^2 /NDF: 616762.1/17

All: 1147.405 $\pm$ 0.336 χ^2 /NDF: 22061030.5/3

- sign 748.499 $\pm$ 0.360 χ^2 /NDF: 11909682.7/19

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203 $\pm$ 693.782 χ^2 /NDF: 12.2/15

Left Out: 1759.128 $\pm$ 1390.294 χ^2 /NDF: 0.0/1

Right Out: 465.899 $\pm$ 705.928 χ^2 /NDF: 20.0/18

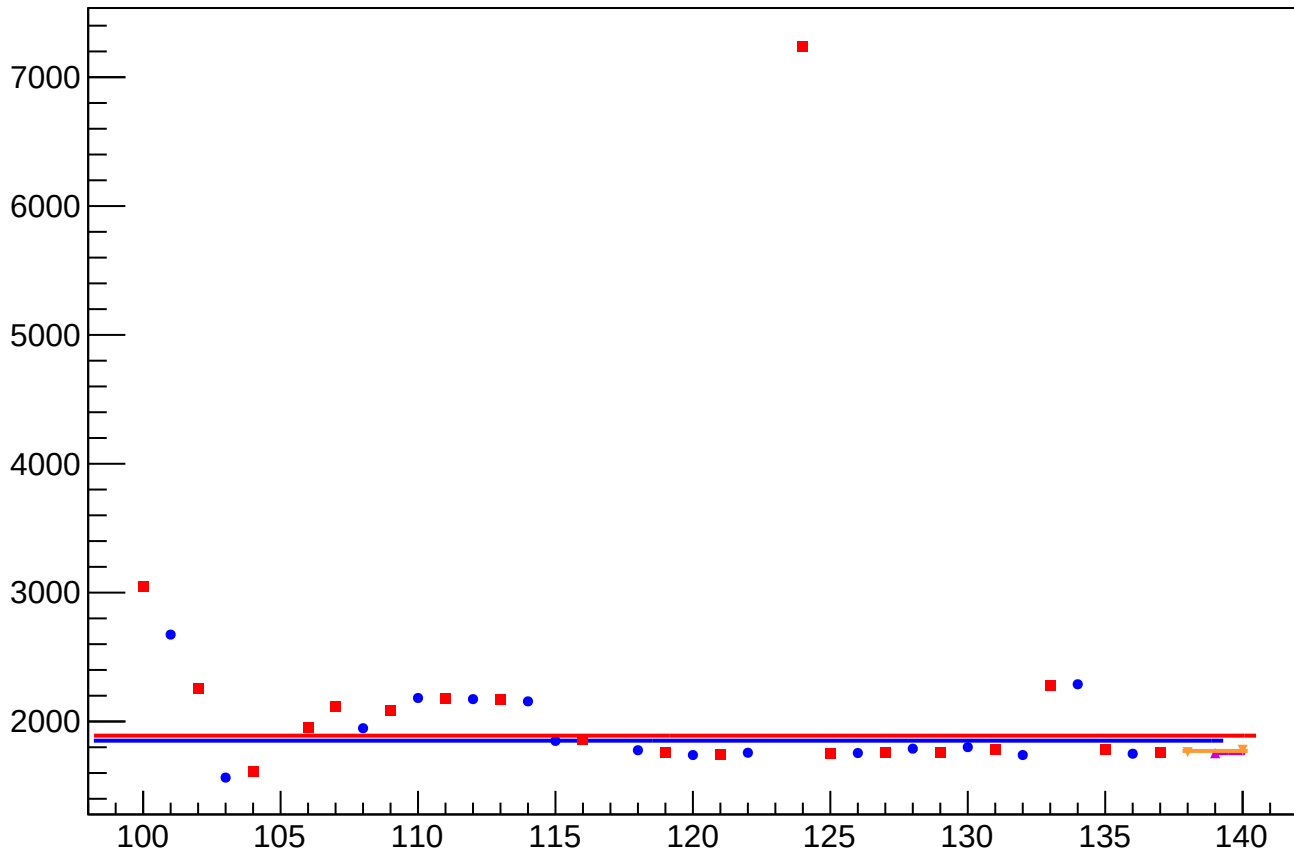
Left In: 2423.609 $\pm$ 1906.245 χ^2 /NDF: 0.0/0

+ sign -557.355 $\pm$ 620.781 χ^2 /NDF: 15.7/17

All: 31.905 $\pm$ 452.827 χ^2 /NDF: 38.6/37

- sign 701.999 $\pm$ 661.993 χ^2 /NDF: 21.0/19

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF : 85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

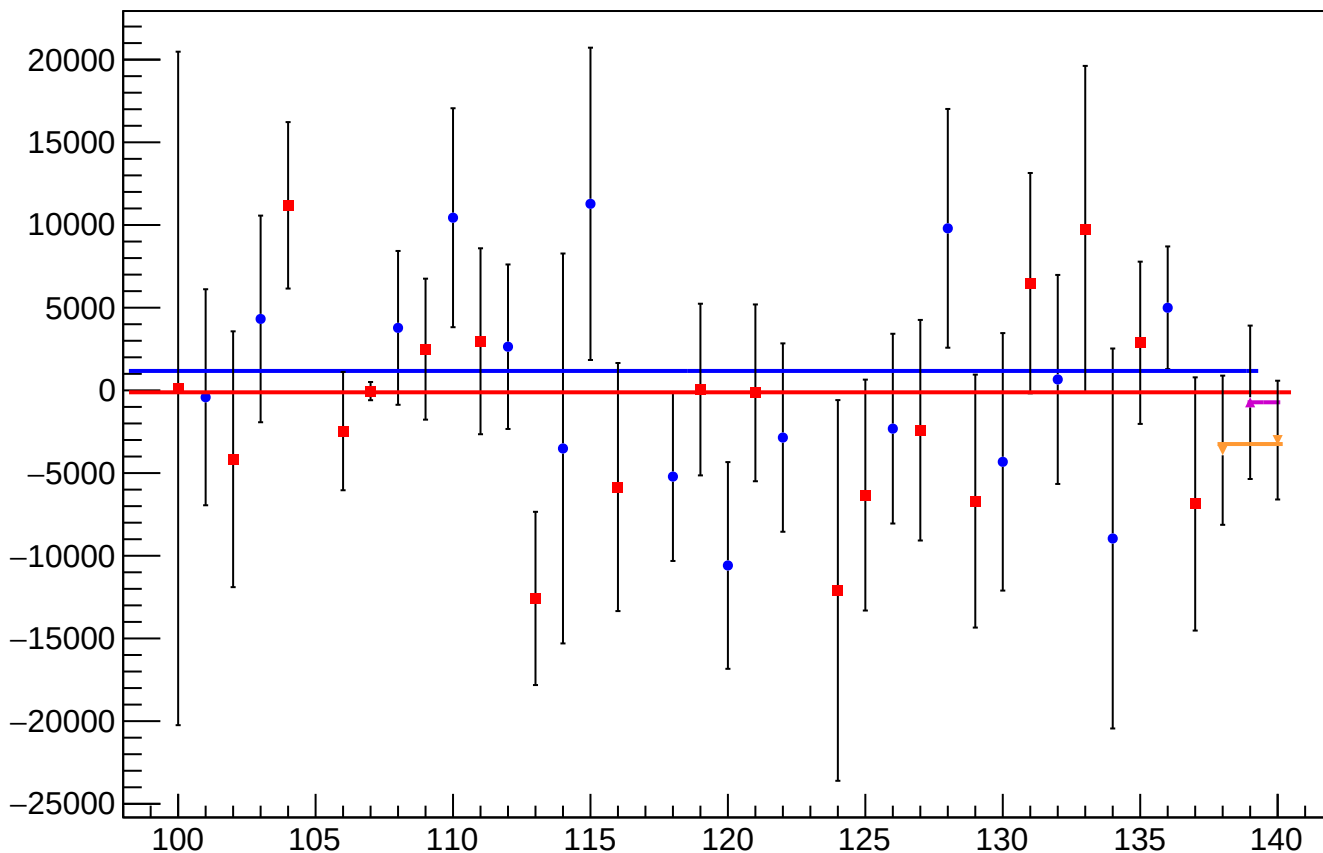
Left In: 1753.926+/-1.348 χ^2/NDF : 0.0/0

+ sign 1835.262+/-0.439 χ^2/NDF : 265314.3/17

All: 1853.254+/-0.320 χ^2/NDF : 636984.5/37

- sign 1873.638+/-0.467 χ^2/NDF : 368087.0/19

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2 /NDF: 13.7/15

Left Out: -3243.980 $\pm$ 2809.295 χ^2 /NDF:0.0/1

Right Out: -115.917 $\pm$ 512.289 χ^2 /NDF: 18.6/18

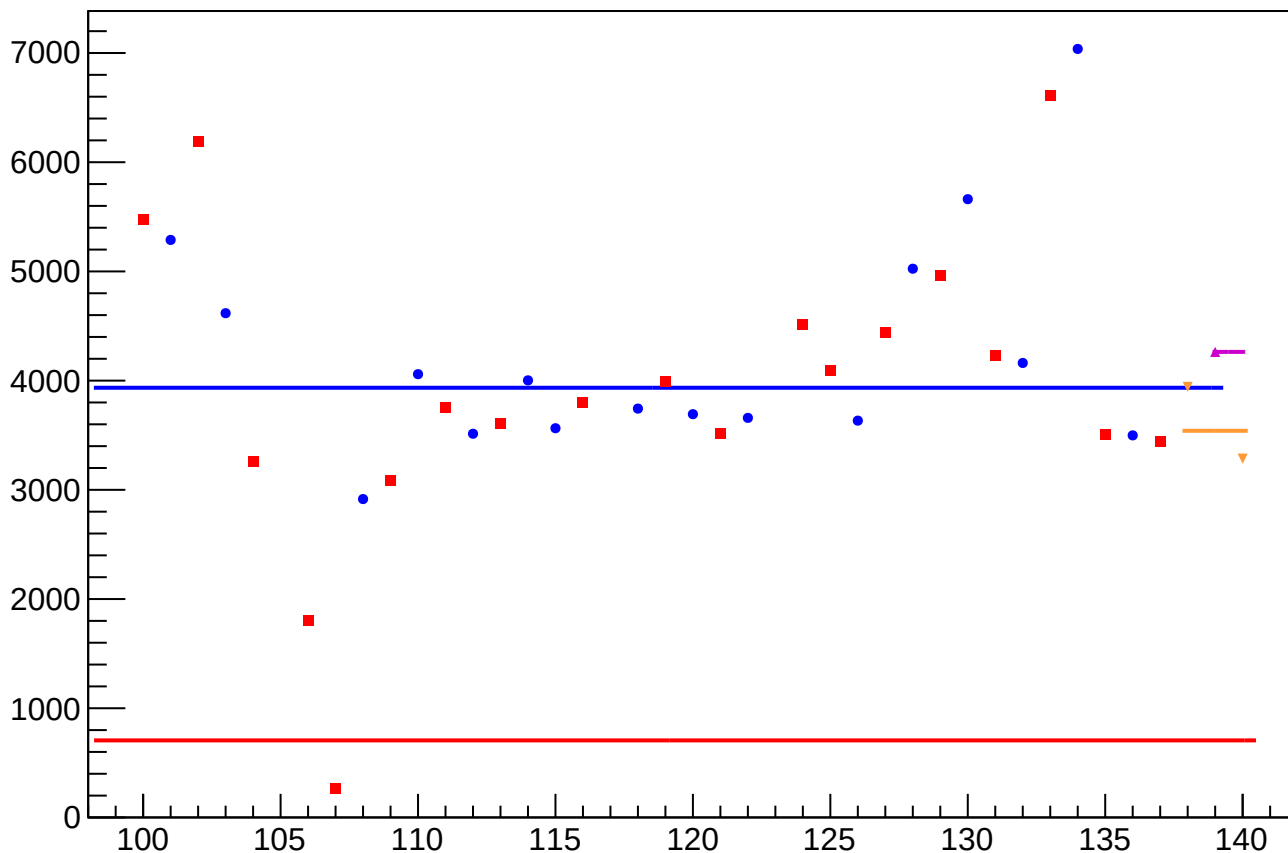
Left In: -720.326 $\pm$ 4637.969 χ^2 /NDF:0.0/0

+ sign 192.810 $\pm$ 1324.659 χ^2 /NDF: 15.7/17

All: -82.519 $\pm$ 475.287 χ^2 /NDF: 34.3/37

- sign -123.202 $\pm$ 509.192 χ^2 /NDF: 18.6/19

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727 $\pm$ 1.062 χ^2 /NDF: 560149.8/15

Left Out: 3540.608 $\pm$ 1.986 χ^2 /NDF: 26001.1/1

Right Out: 705.620 $\pm$ 0.362 χ^2 /NDF: 10747208.1/18

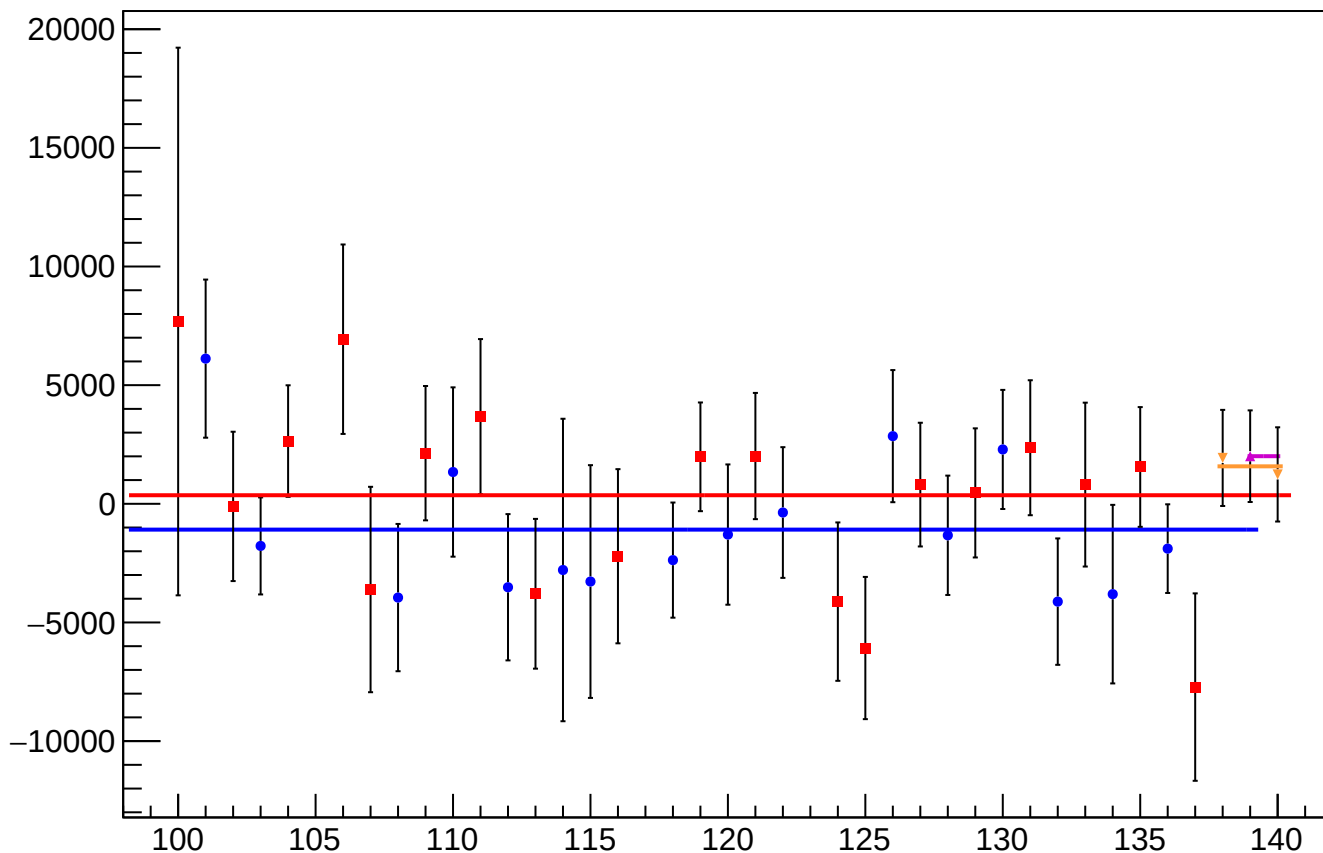
Left In: 4263.062 $\pm$ 3.280 χ^2 /NDF: 0.0/0

+ sign 3847.099 $\pm$ 0.937 χ^2 /NDF: 616762.1/17

All: 1147.405 $\pm$ 0.336 χ^2 /NDF: 22061030.5/3

- sign 748.499 $\pm$ 0.360 χ^2 /NDF: 11909682.7/19

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731 $\pm$ 699.579 χ^2 /NDF: 13.2/15

Left Out: 1579.108 $\pm$ 1417.805 χ^2 /NDF: 0.1/1

Right Out: 361.218 $\pm$ 699.665 χ^2 /NDF: 20.8/18

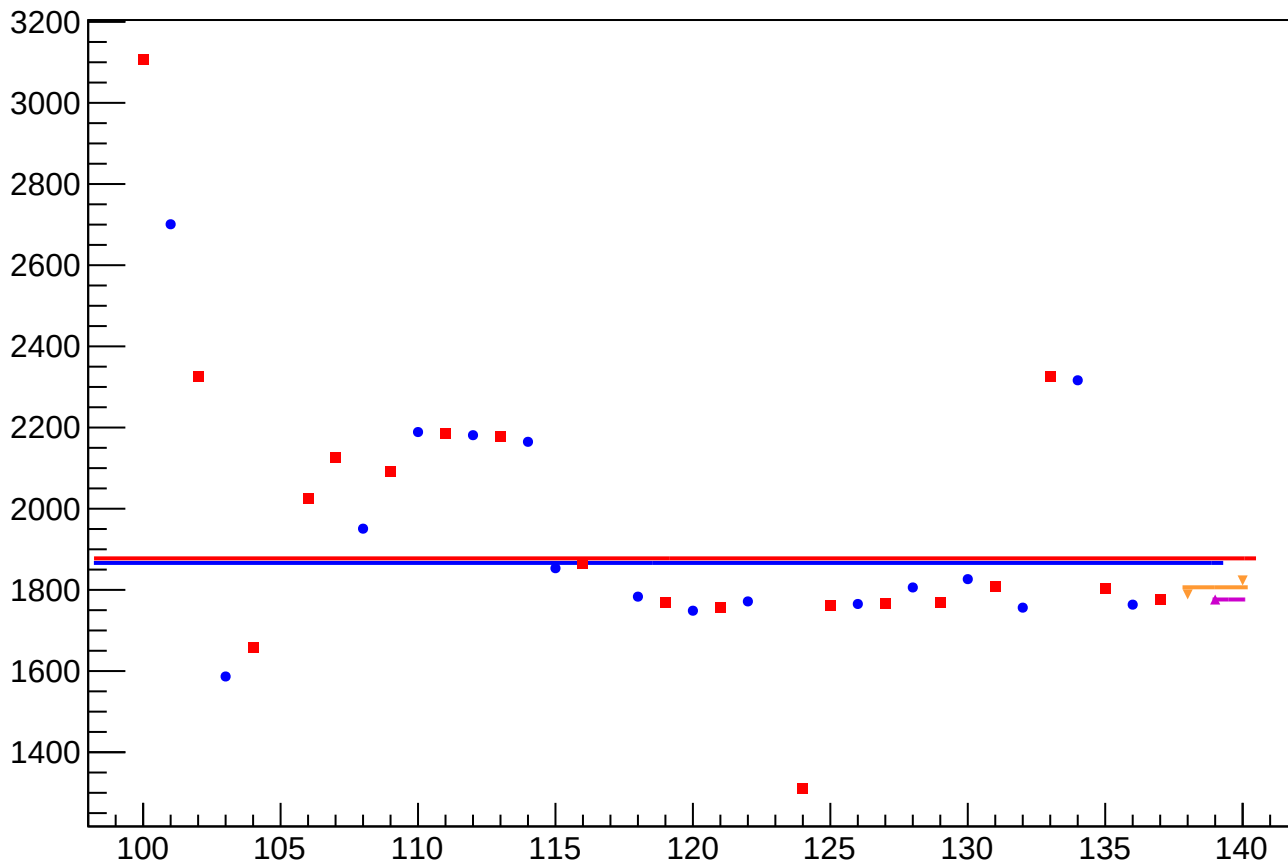
Left In: 2006.533 $\pm$ 1930.691 χ^2 /NDF: 0.0/0

+ sign -565.572 $\pm$ 627.364 χ^2 /NDF: 16.1/17

All: -33.141 $\pm$ 453.993 χ^2 /NDF: 39.1/37

- sign 552.210 $\pm$ 657.803 χ^2 /NDF: 21.5/19

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 $\pm$ 0.495 χ^2 /NDF: 256262.4/15

Left Out: 1806.398 $\pm$ 1.003 χ^2 /NDF:293.2/1

+ sign 1854.697 $\pm$ 0.444 χ^2 /NDF: 259441.6/17

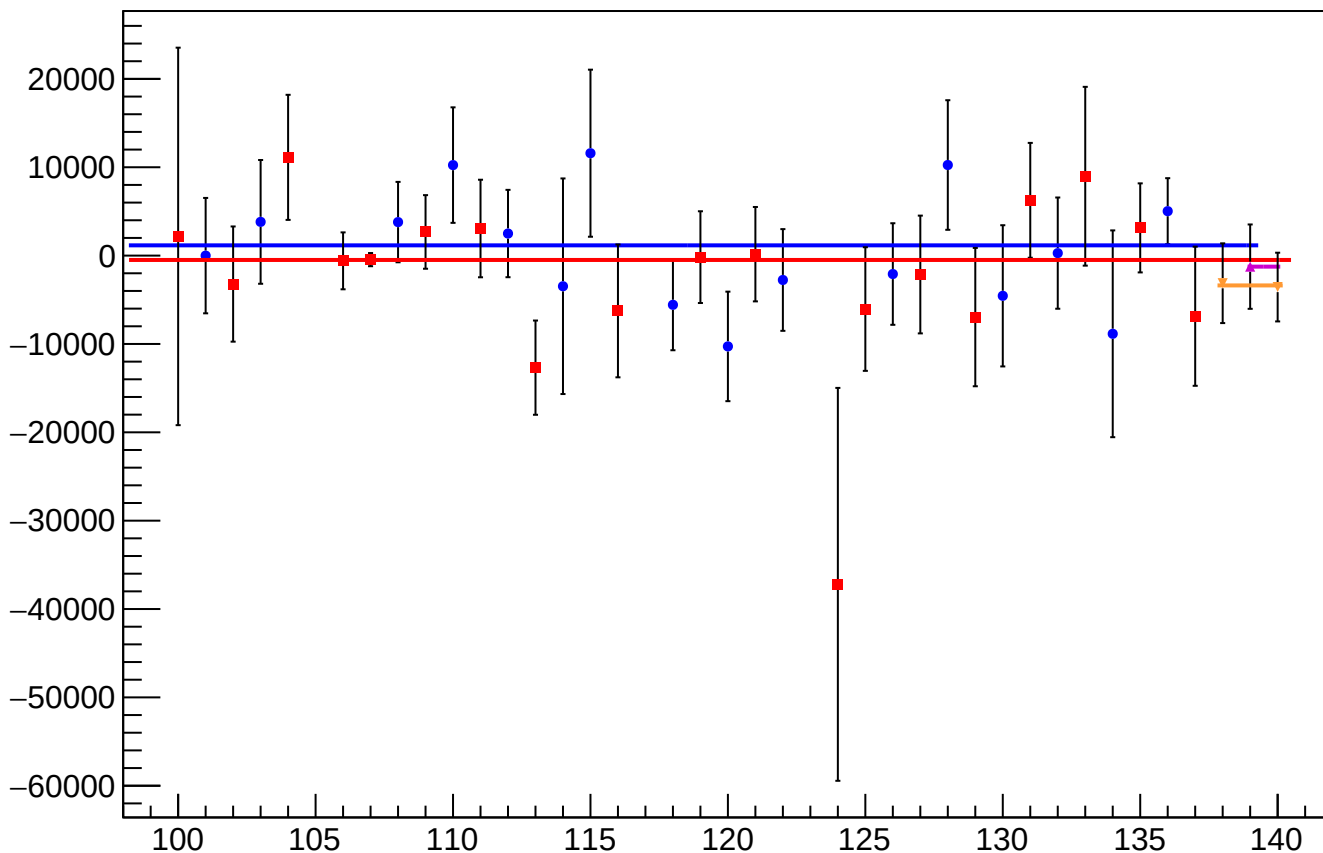
Right Out: 1877.659 $\pm$ 0.494 χ^2 /NDF: 251850.5/18

All: 1860.043 $\pm$ 0.321 χ^2 /NDF: 516468.0/37

- sign 1865.912 $\pm$ 0.465 χ^2 /NDF: 256721.7/19

Left In: 1776.322 $\pm$ 1.365 χ^2 /NDF:0.0/0

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124 $\pm$ 1512.225 χ^2 /NDF: 13.7/15

Left Out: -3374.684 $\pm$ 2945.823 χ^2 /NDF: 0.0/1

Right Out: -492.907 $\pm$ 658.510 χ^2 /NDF: 16.9/18

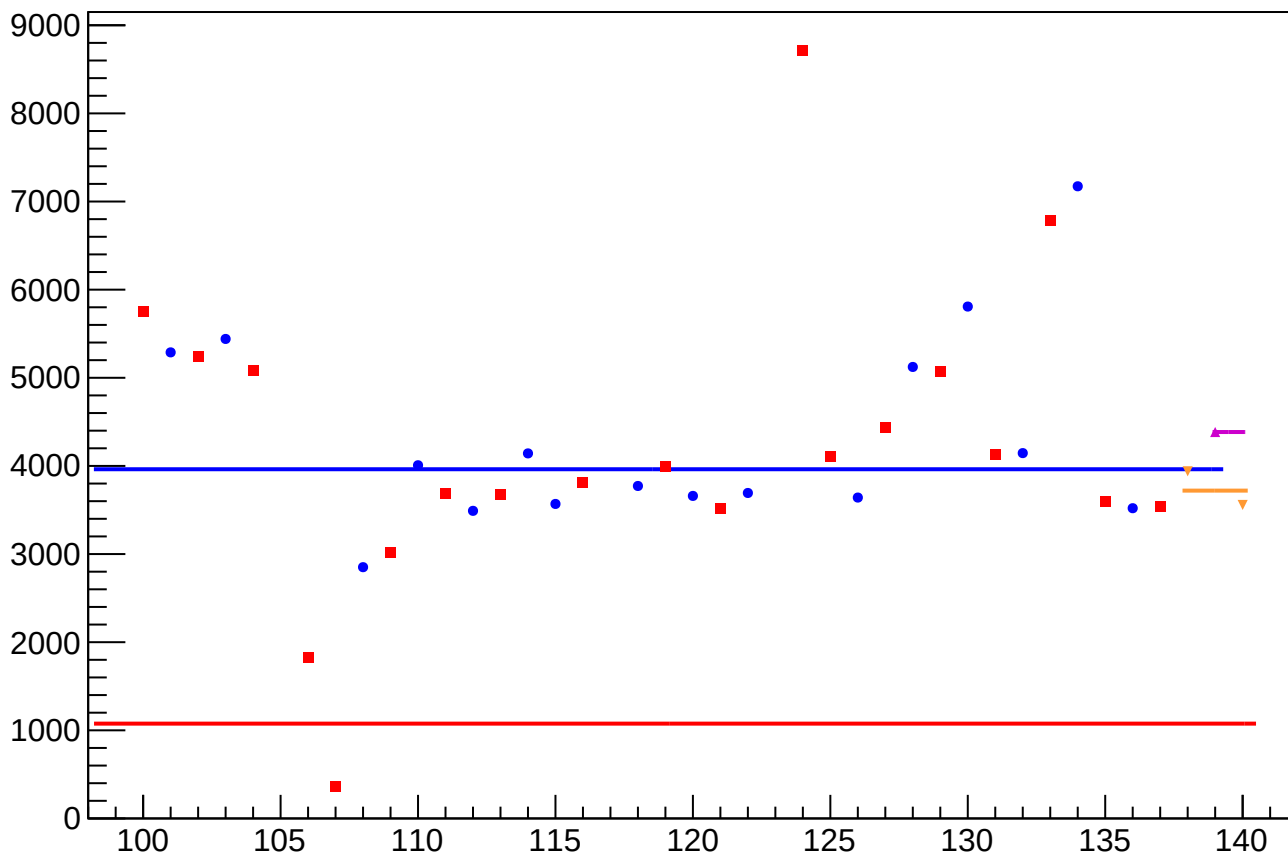
Left In: -1248.920 $\pm$ 4773.852 χ^2 /NDF: 0.0/0

+ sign 215.124 $\pm$ 1345.317 χ^2 /NDF: 15.5/17

All: -369.554 $\pm$ 586.969 χ^2 /NDF: 32.7/37

- sign -507.024 $\pm$ 652.333 χ^2 /NDF: 17.0/19

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368 $\pm$ 1.069 χ^2/NDF : 668339.6/15

Left Out: 3719.814 $\pm$ 2.083 χ^2/NDF : 8215.5/1

Right Out: 1075.957 $\pm$ 0.466 χ^2/NDF : 9558372.9/18

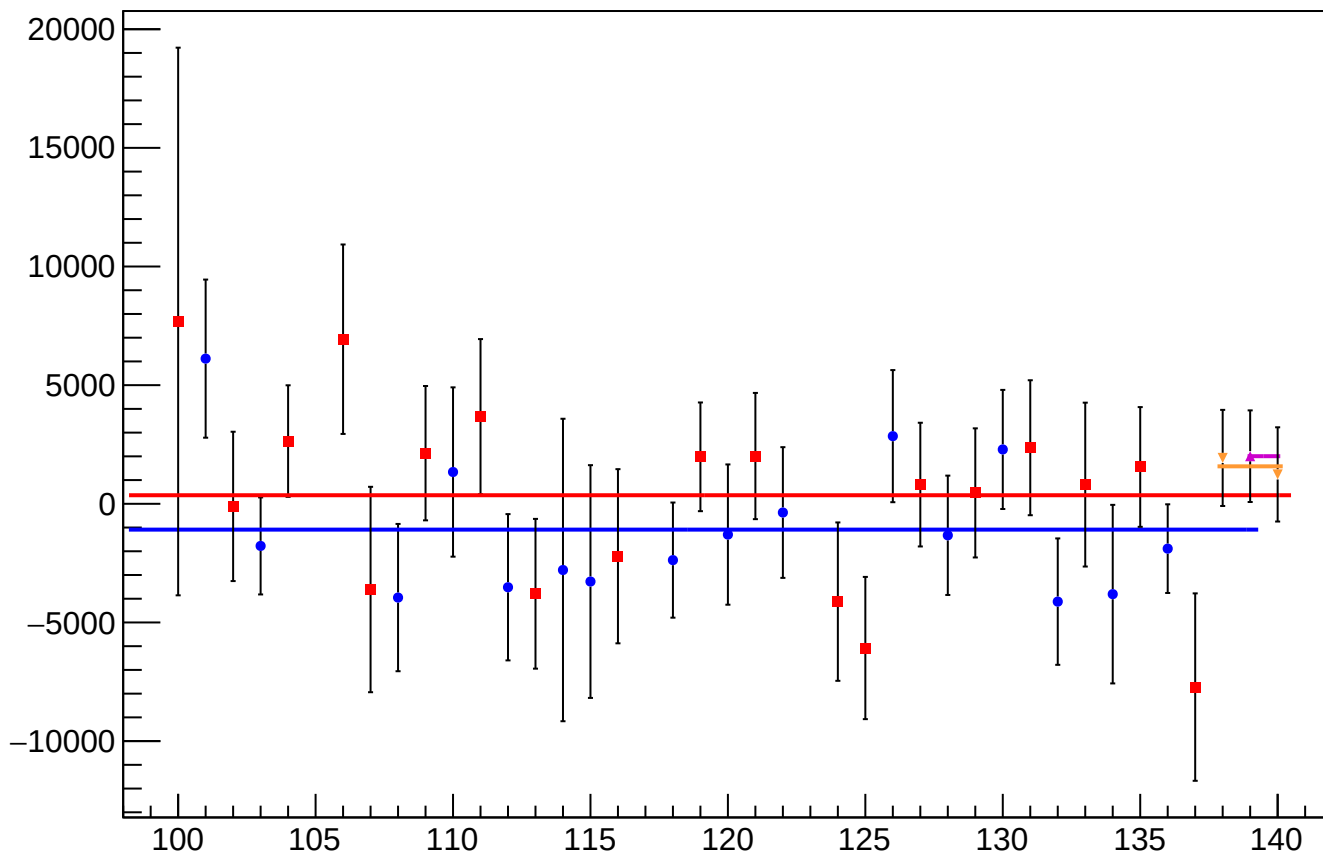
Left In: 4384.692 $\pm$ 3.376 χ^2/NDF : 0.0/0

+ sign 3911.780 $\pm$ 0.951 χ^2/NDF : 687286.3/17

All: 1665.812 $\pm$ 0.415 χ^2/NDF : 18073372.5/3

- sign 1137.739 $\pm$ 0.461 χ^2/NDF : 10501195.6/19

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736 $\pm$ 699.579 χ^2 /NDF: 13.2/15

Left Out: 1579.113 $\pm$ 1417.805 χ^2 /NDF:0.1/1

Right Out: 361.223 $\pm$ 699.665 χ^2 /NDF: 20.8/18

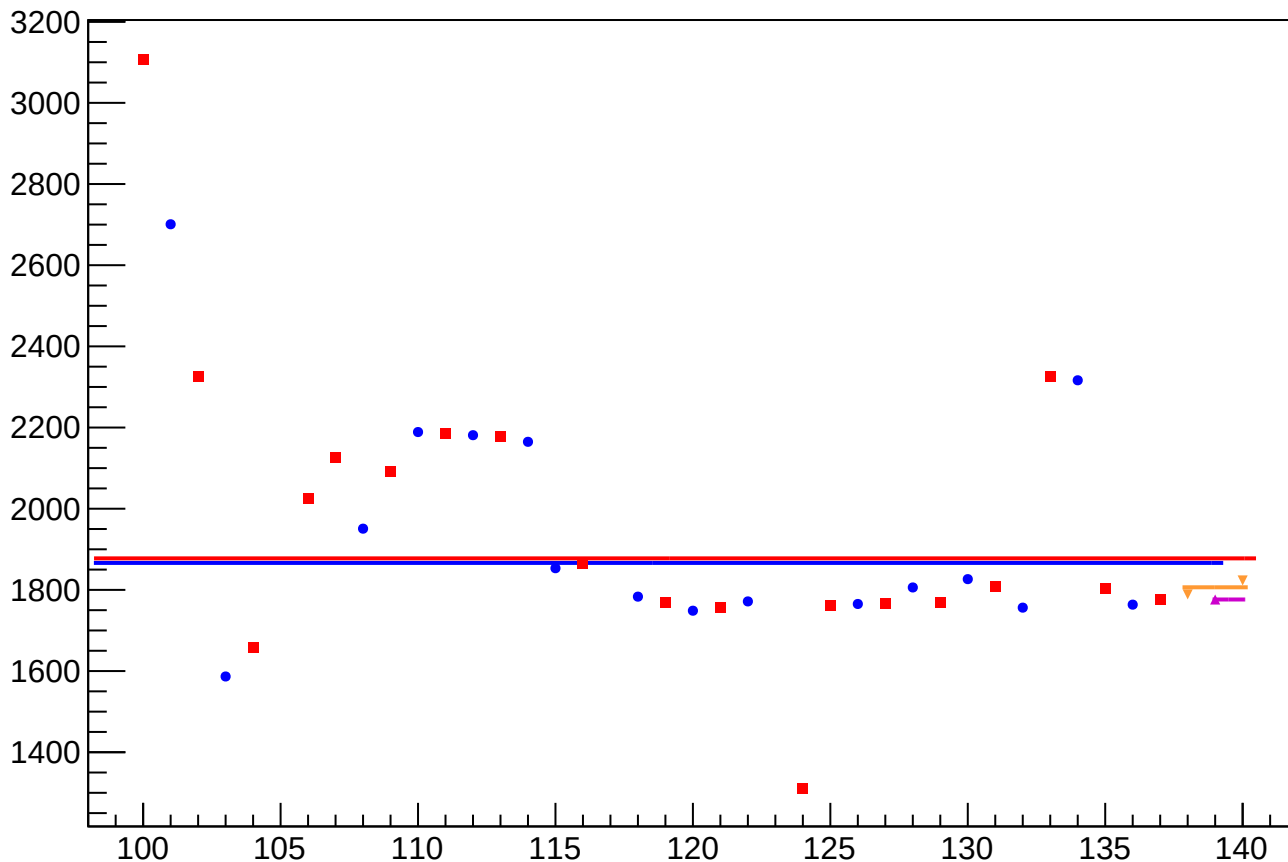
Left In: 2006.498 $\pm$ 1930.692 χ^2 /NDF:0.0/0

+ sign -565.575 $\pm$ 627.364 χ^2 /NDF: 16.1/17

All: -33.142 $\pm$ 453.993 χ^2 /NDF: 39.1/37

- sign 552.210 $\pm$ 657.803 χ^2 /NDF: 21.5/19

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 $\pm$ 0.495 χ^2 /NDF: 256262.3/15

Left Out: 1806.398 $\pm$ 1.003 χ^2 /NDF:293.2/1

Right Out: 1877.659 $\pm$ 0.494 χ^2 /NDF: 251850.8/18

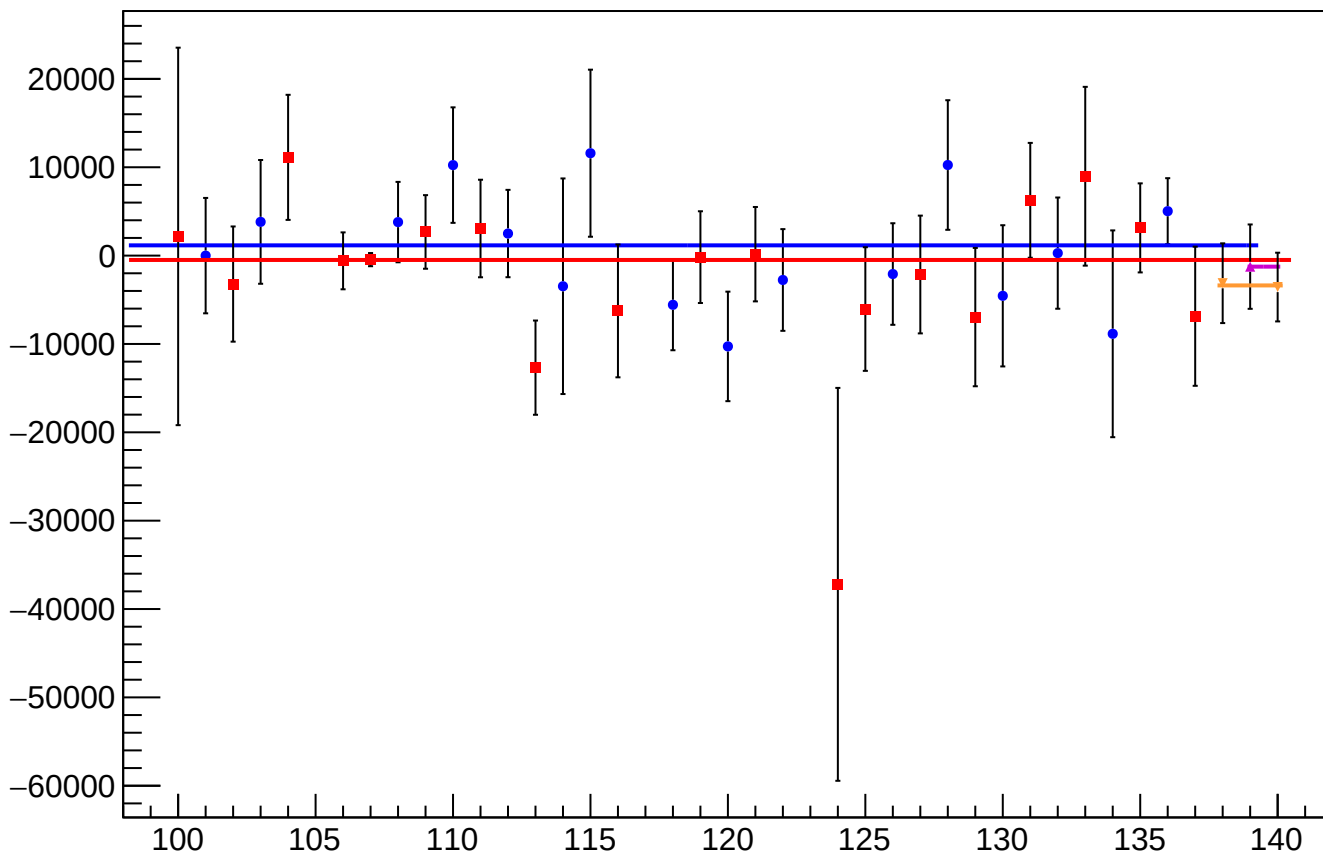
Left In: 1776.322 $\pm$ 1.365 χ^2 /NDF:0.0/0

+ sign 1854.697 $\pm$ 0.444 χ^2 /NDF: 259441.5/17

All: 1860.043 $\pm$ 0.321 χ^2 /NDF: 516468.1/37

- sign 1865.913 $\pm$ 0.465 χ^2 /NDF: 256721.9/19

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 1161.104 $\pm$ 1512.222 χ^2 /NDF: 13.7/15

Left Out: -3374.679 $\pm$ 2945.824 χ^2 /NDF: 0.0/1

Right Out: -492.914 $\pm$ 658.521 χ^2 /NDF: 16.9/18

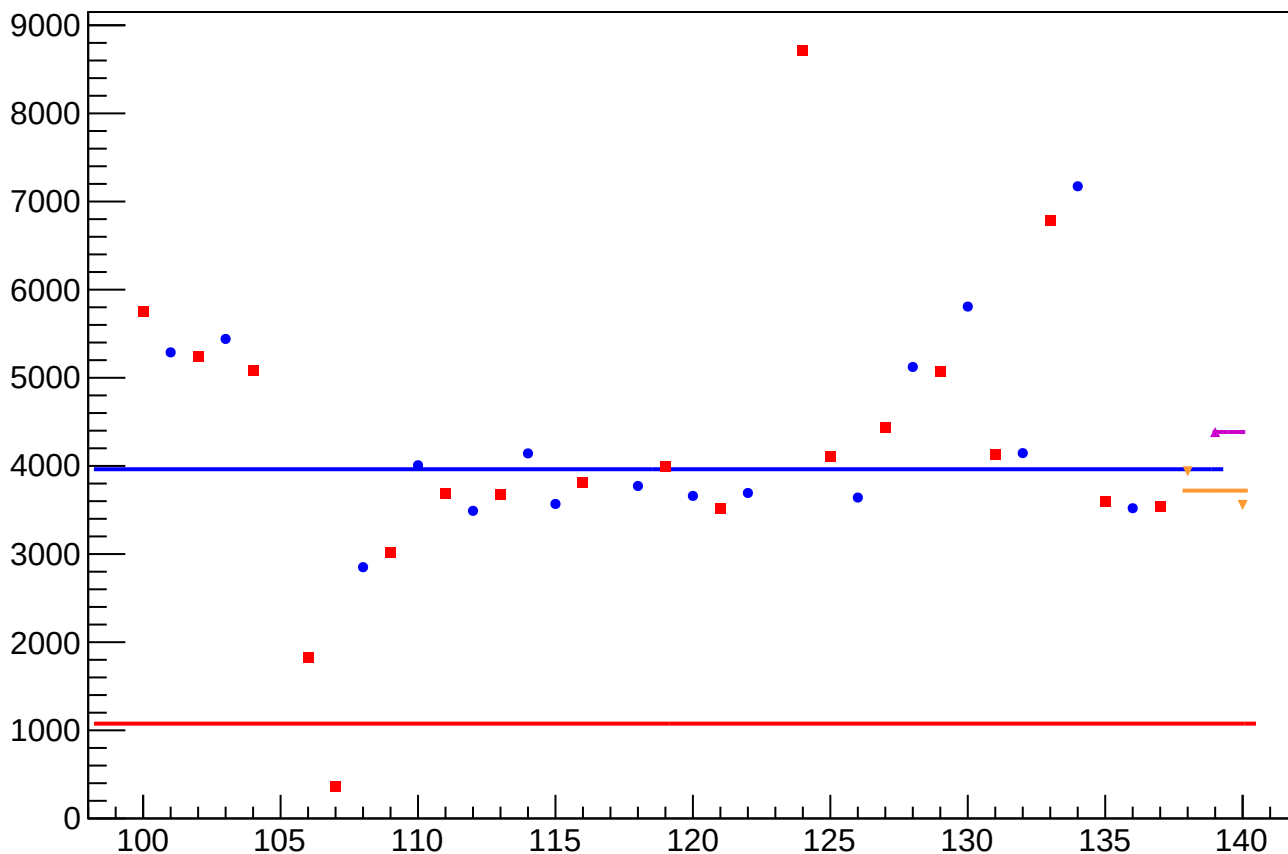
Left In: -1248.965 $\pm$ 4773.862 χ^2 /NDF: 0.0/0

+ sign 215.113 $\pm$ 1345.316 χ^2 /NDF: 15.5/17

All: -369.559 $\pm$ 586.976 χ^2 /NDF: 32.7/37

- sign -507.032 $\pm$ 652.344 χ^2 /NDF: 17.0/19

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF : 668335.9/15

Left Out: 3719.816+/-2.083 χ^2/NDF : 8215.8/1

Right Out: 1075.988+/-0.466 χ^2/NDF : 9558243.3/18

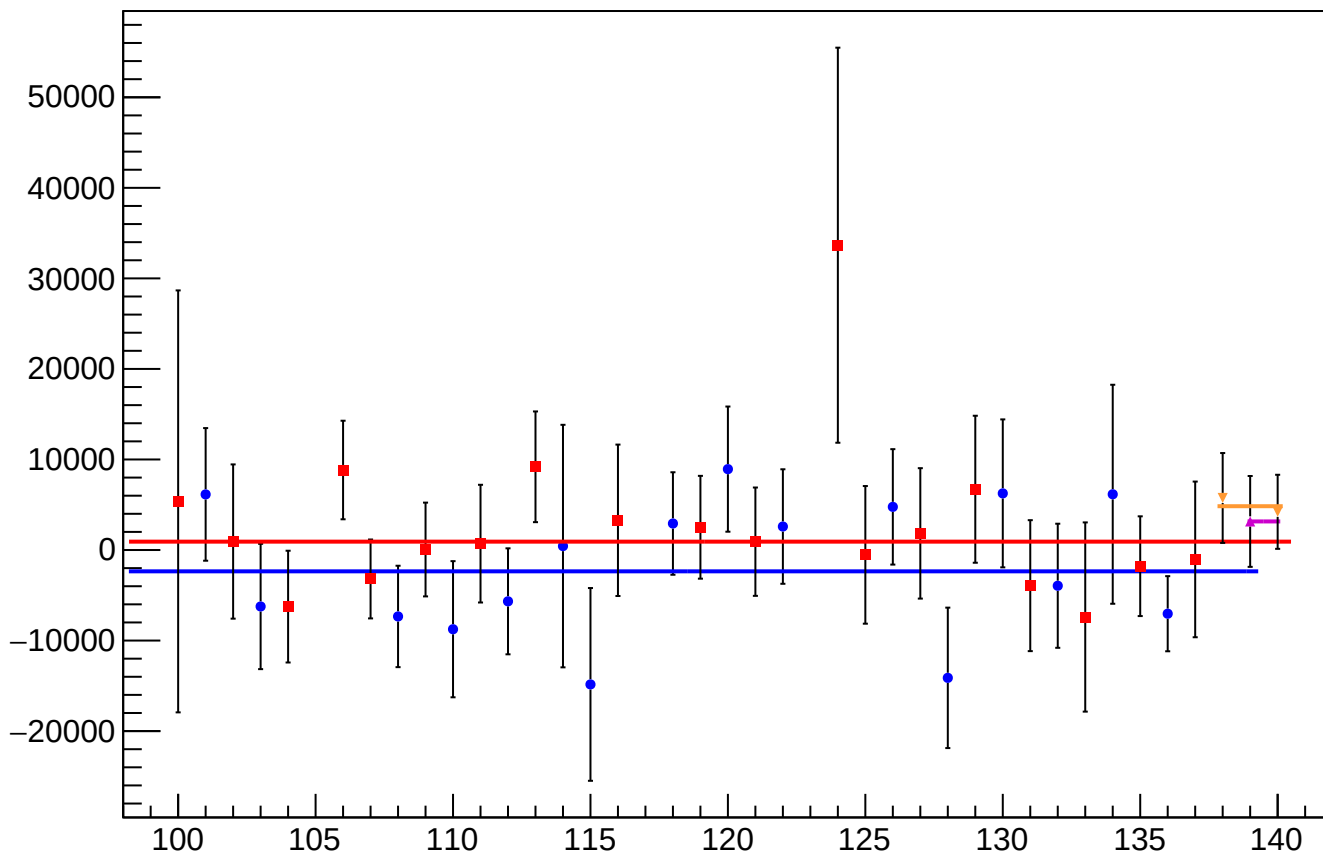
Left In: 4384.702+/-3.376 χ^2/NDF : 0.0/0

+ sign 3911.776+/-0.951 χ^2/NDF : 687282.2/17

All: 1665.852+/-0.415 χ^2/NDF : 18073012.4/3

- sign 1137.771+/-0.461 χ^2/NDF : 10501049.3/19

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851 ± 1684.784 χ^2/NDF : 15.5/15

Left Out: 4837.999 ± 3156.411 χ^2/NDF : 0.1/1

Right Out: 924.896 ± 1546.889 χ^2/NDF : 10.6/18

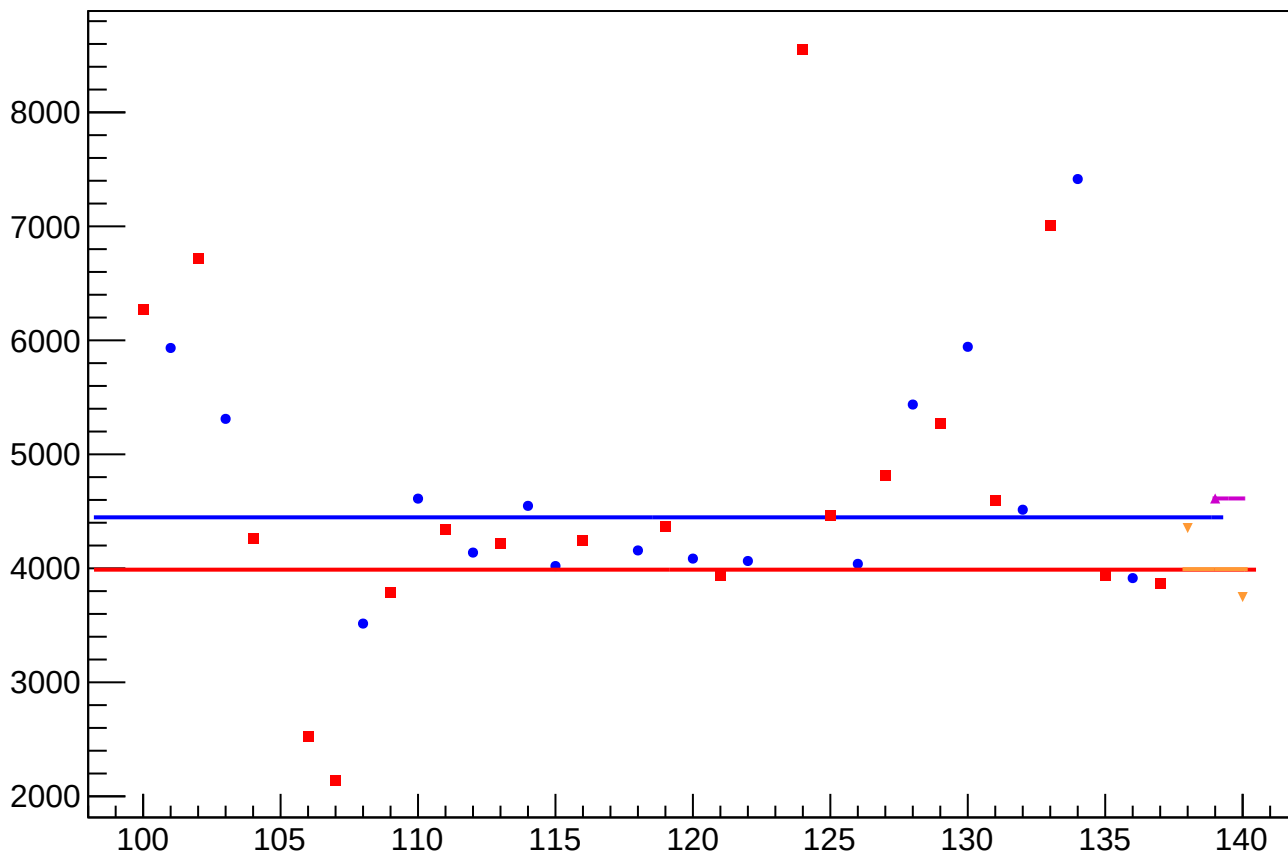
Left In: 3156.766 ± 5017.234 χ^2/NDF : 0.0/0

+ sign -759.959 ± 1486.307 χ^2/NDF : 19.6/17

All: 184.461 ± 1048.109 χ^2/NDF : 31.2/37

- sign 1118.637 ± 1478.225 χ^2/NDF : 10.8/19

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF : 458251.2/15

Left Out: 3992.800+/-2.232 χ^2/NDF : 17714.3/1

Right Out: 3988.249+/-1.083 χ^2/NDF : 1143932.4/18

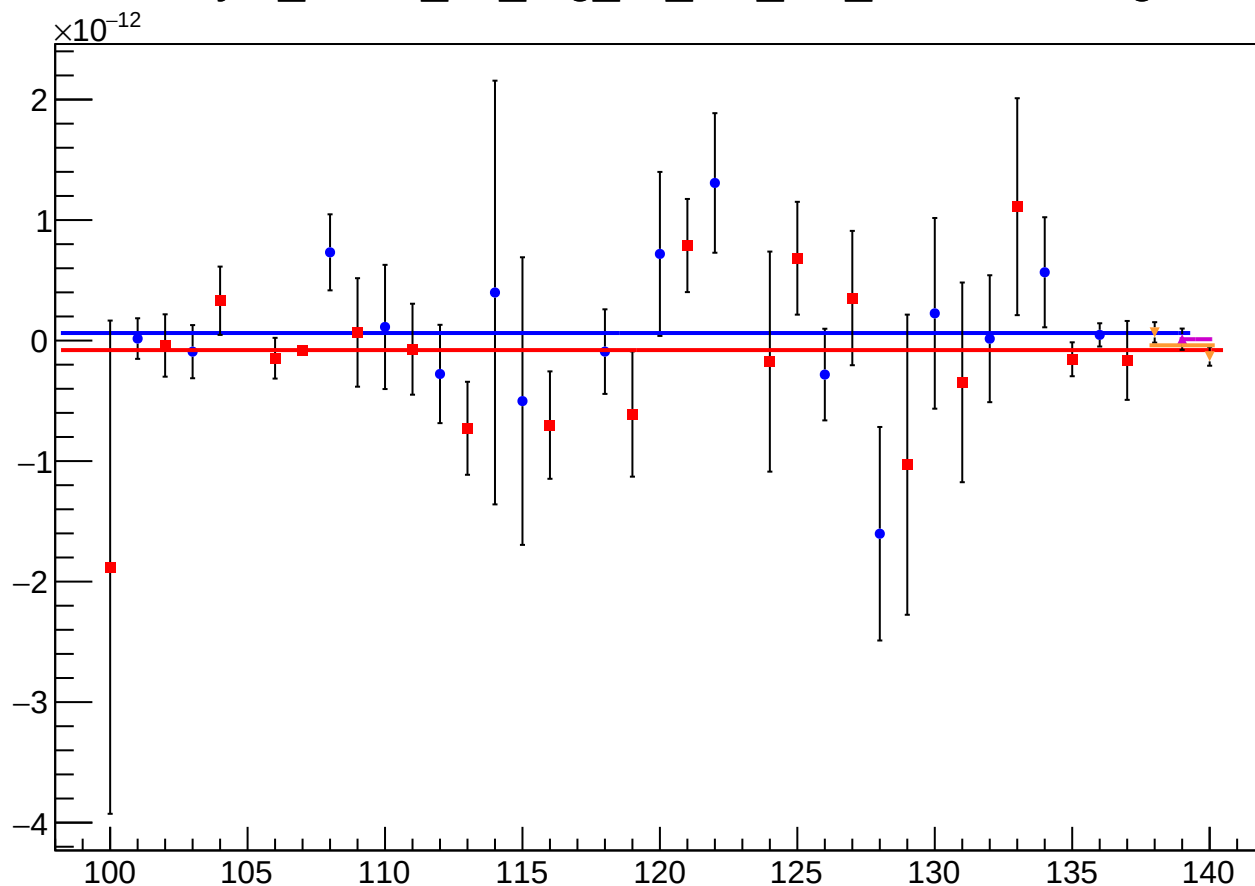
Left In: 4612.937+/-3.548 χ^2/NDF : 0.0/0

+ sign 4346.619+/-1.051 χ^2/NDF : 508256.1/17

All: 4191.837+/-0.738 χ^2/NDF : 1723307.3/37

- sign 4041.497+/-1.036 χ^2/NDF : 1172294.3/19

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 17.4/15$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 2.9/1$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 20.1/18$

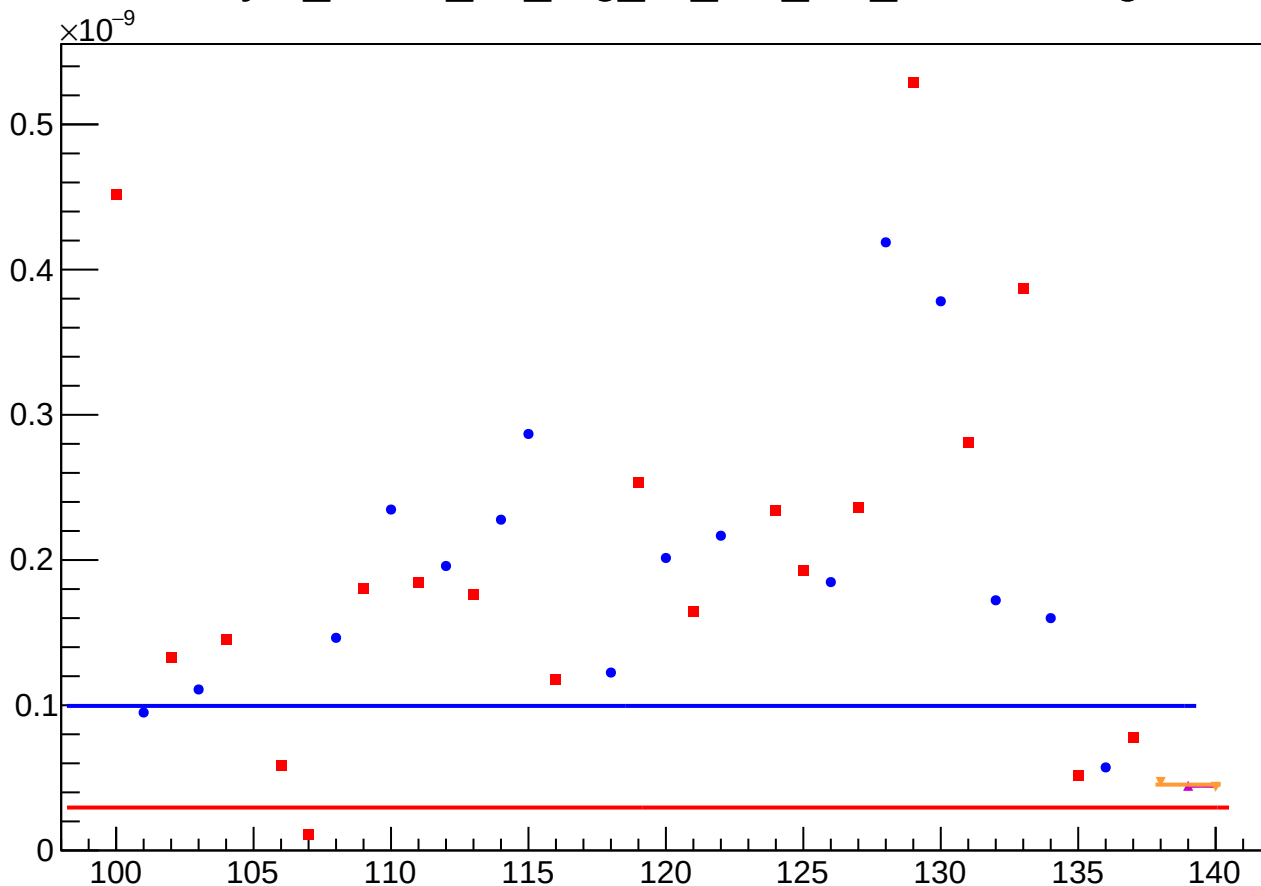
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 21.7/17$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 44.4/37$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 21.0/19$

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1703.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4363474.8/18

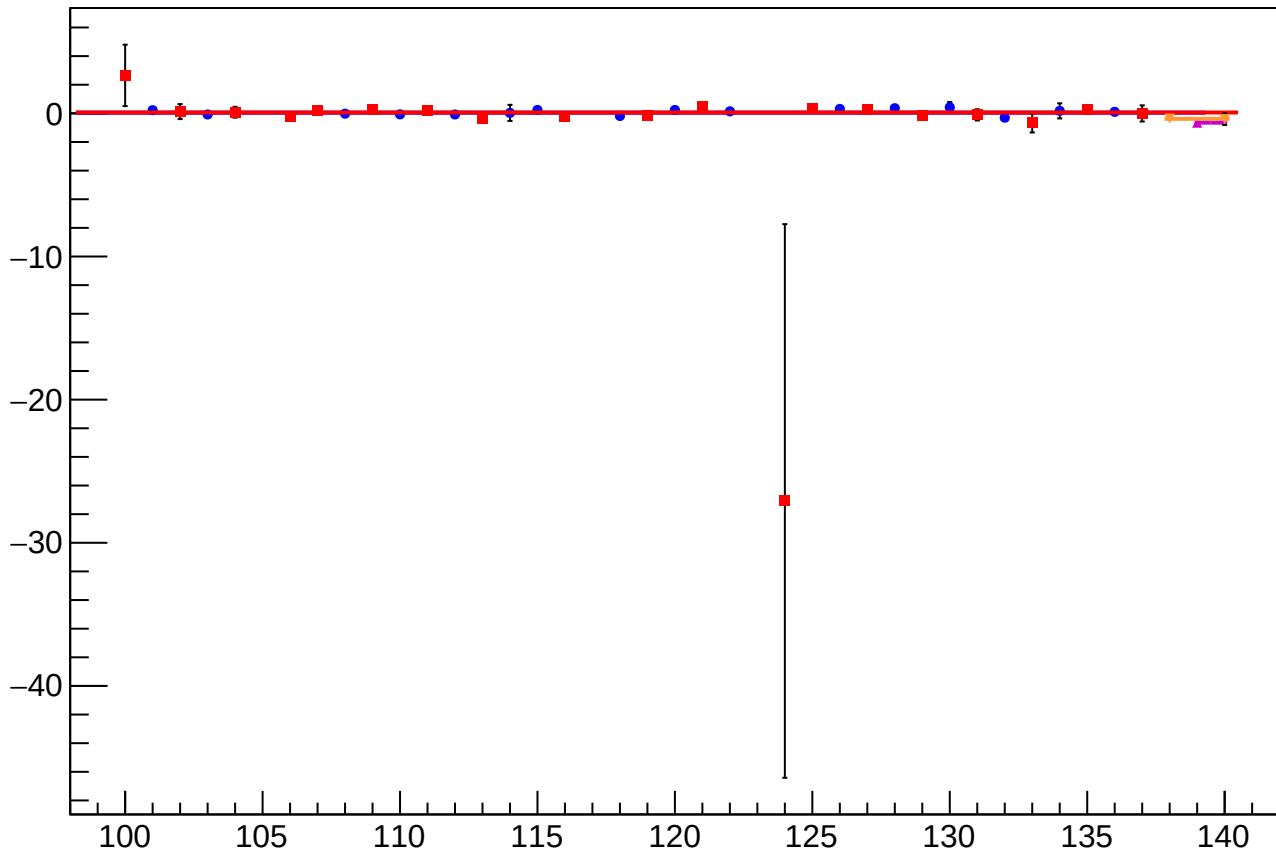
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2304169.3/17

All: 0.000+/-0.000 χ^2/NDF : 7636020.6/37

- sign 0.000+/-0.000 χ^2/NDF : 4413778.4/19

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.381 $\pm$ 0.247 χ^2 /NDF: 0.0/1

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

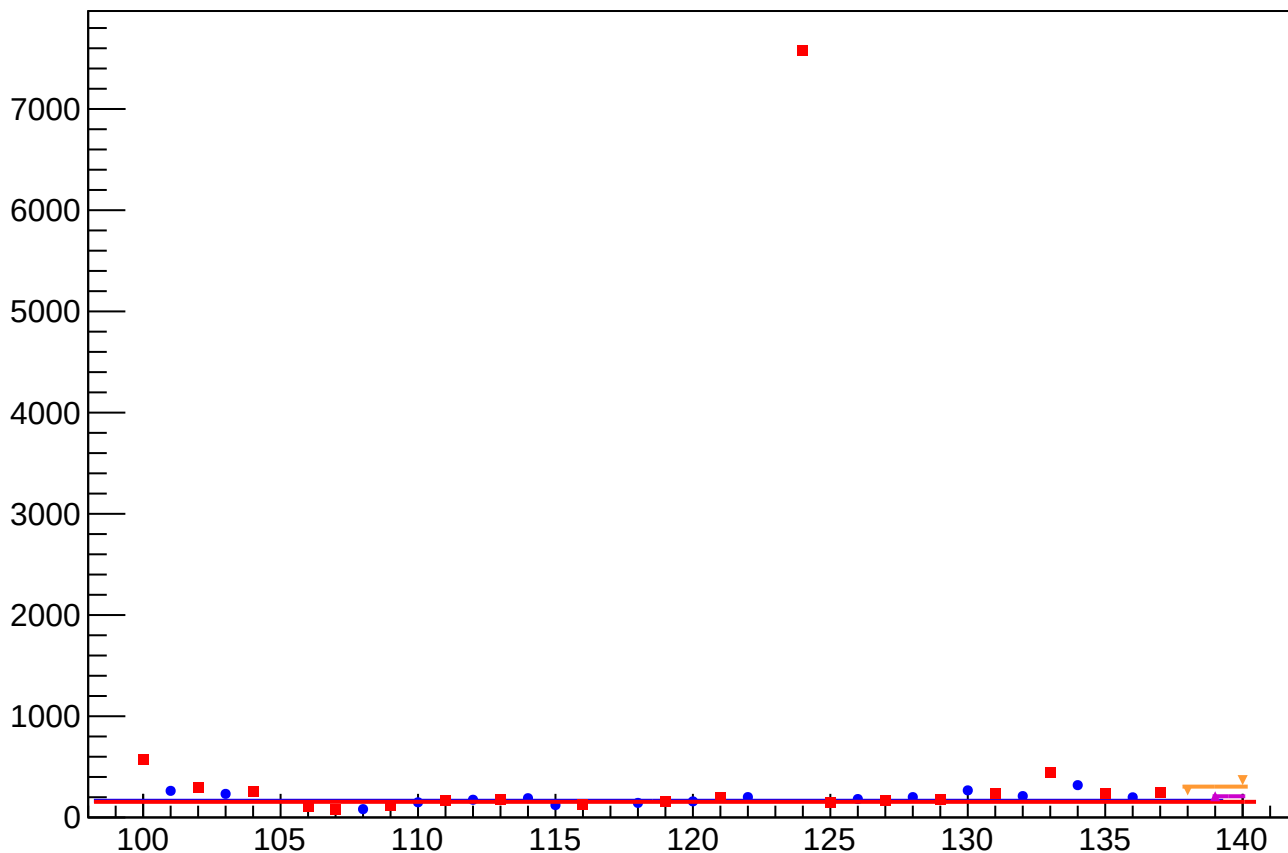
Left In: -0.650 $\pm$ 0.239 χ^2 /NDF: 0.0/0

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.016 $\pm$ 0.045 χ^2 /NDF: 37.1/37

- sign 0.013 $\pm$ 0.062 χ^2 /NDF: 26.7/19

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474718.1/15

Left Out: 304.685 $\pm$ 0.175 χ^2 /NDF:78435.1/1

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

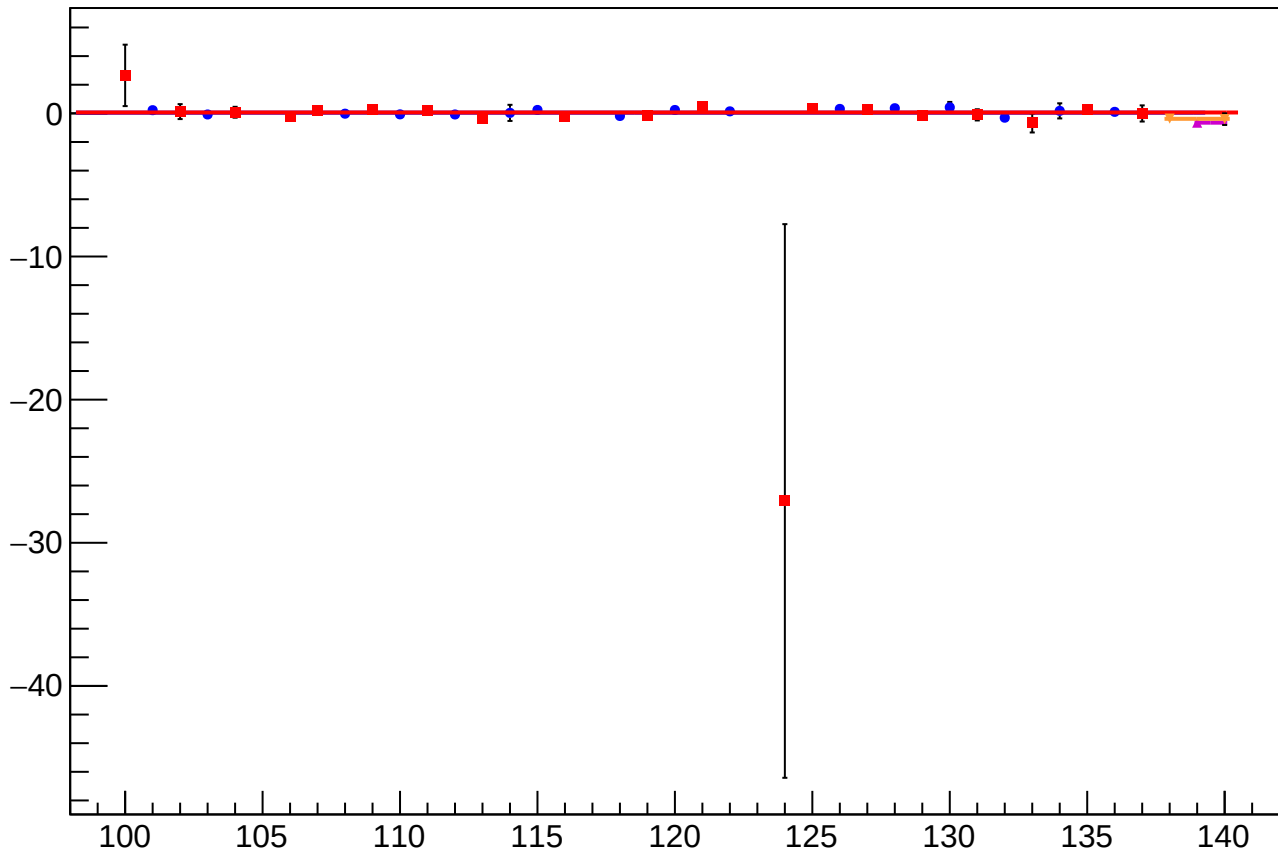
Left In: 209.390 $\pm$ 0.169 χ^2 /NDF:0.0/0

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150972.4/17

All: 165.949 $\pm$ 0.032 χ^2 /NDF: 4236548.4/37

- sign 158.107 $\pm$ 0.044 χ^2 /NDF: 2019941.6/19

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.381 $\pm$ 0.247 χ^2 /NDF: 0.0/1

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

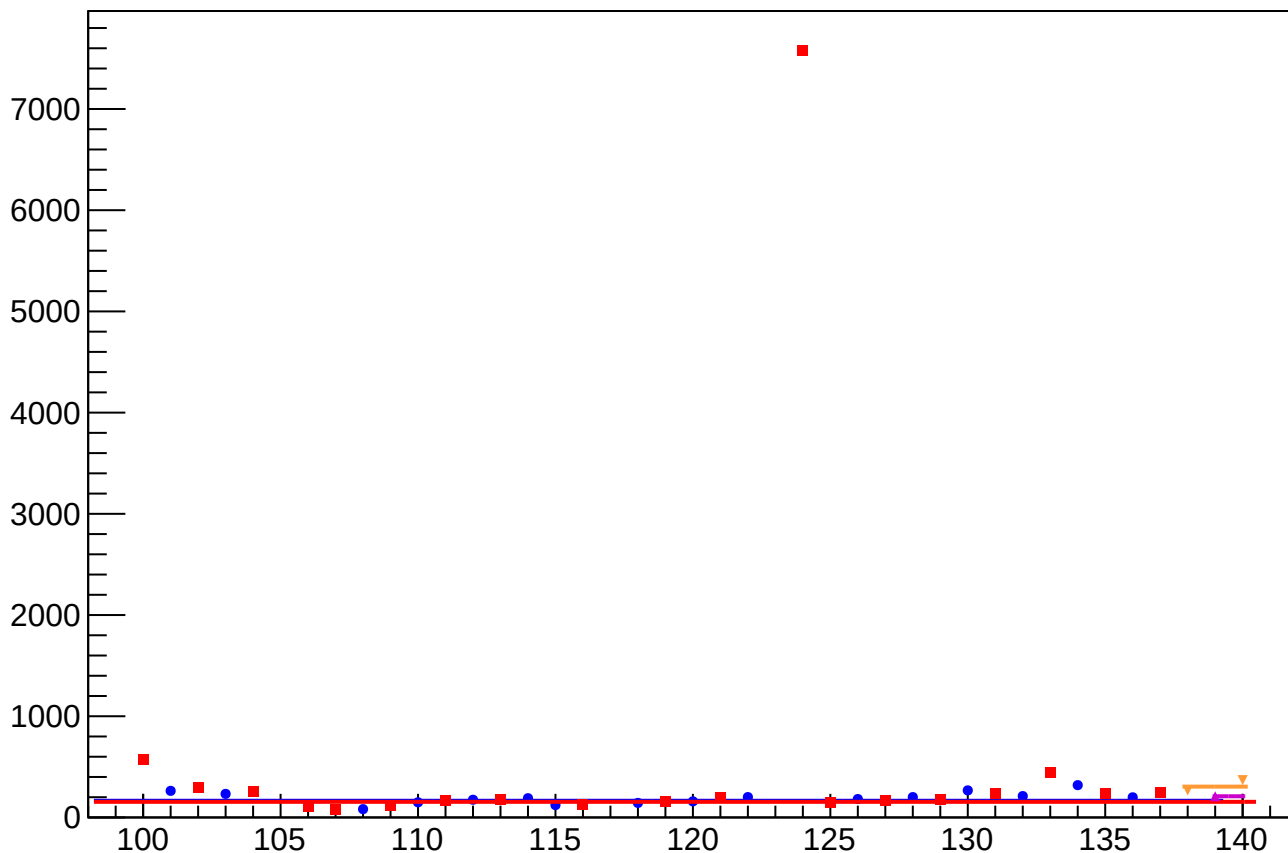
Left In: -0.650 $\pm$ 0.239 χ^2 /NDF: 0.0/0

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.016 $\pm$ 0.045 χ^2 /NDF: 37.1/37

- sign 0.013 $\pm$ 0.062 χ^2 /NDF: 26.7/19

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474718.1/15

Left Out: 304.685 $\pm$ 0.175 χ^2 /NDF: 78435.1/1

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

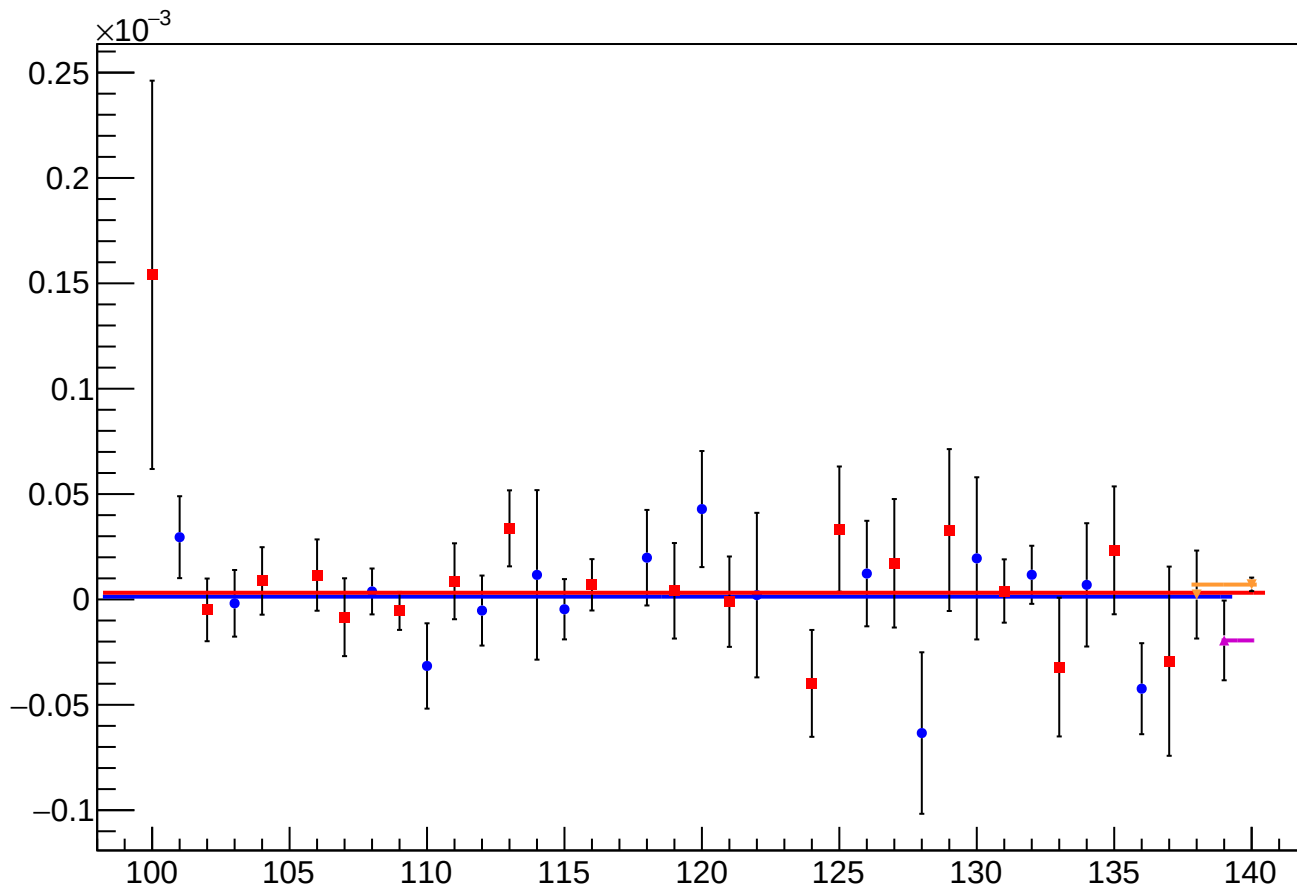
Left In: 209.390 $\pm$ 0.169 χ^2 /NDF: 0.0/0

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150972.4/17

All: 165.949 $\pm$ 0.032 χ^2 /NDF: 4236548.4/37

- sign 158.107 $\pm$ 0.044 χ^2 /NDF: 2019941.6/19

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/18

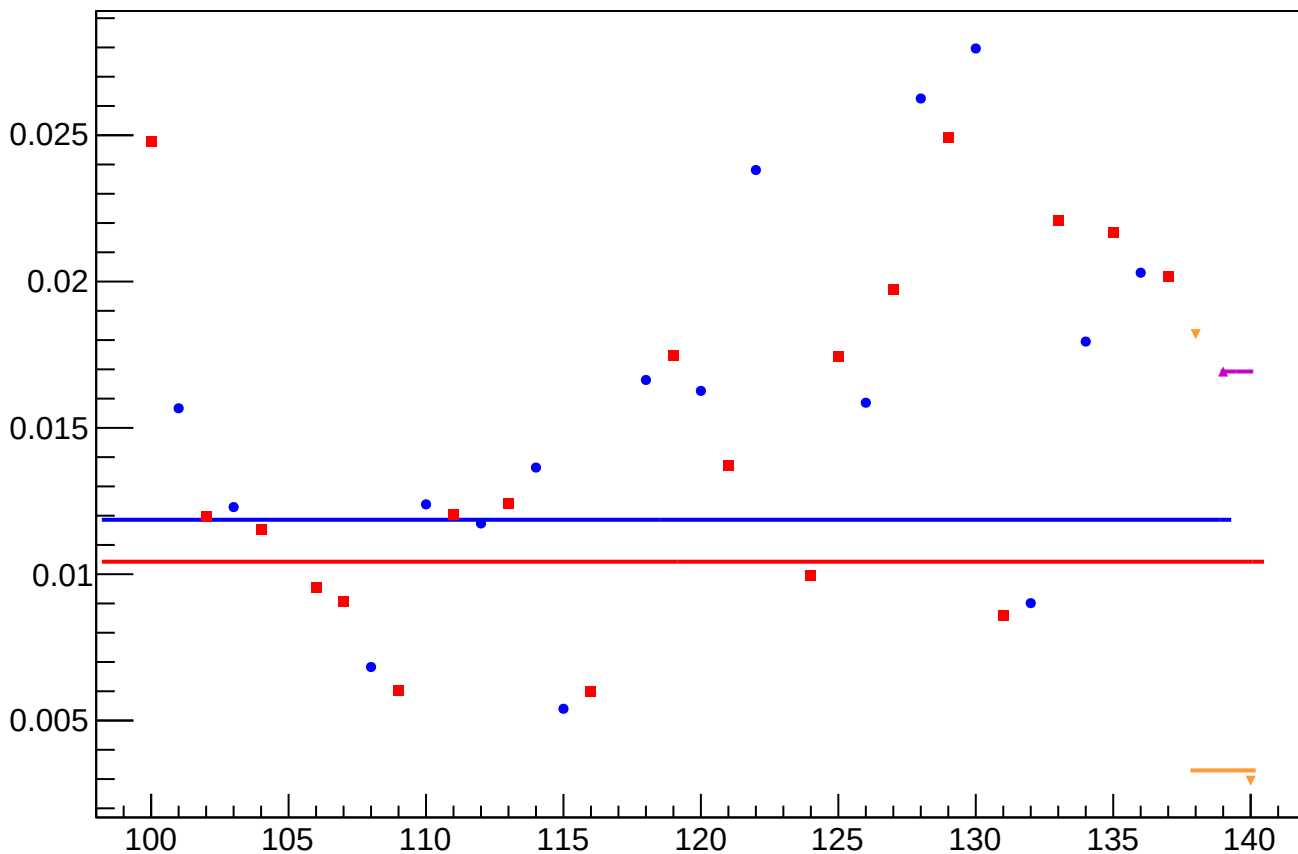
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/19

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2407192.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 1043755.8/1

Right Out: 0.010+/-0.000 χ^2/NDF : 2355101.8/18

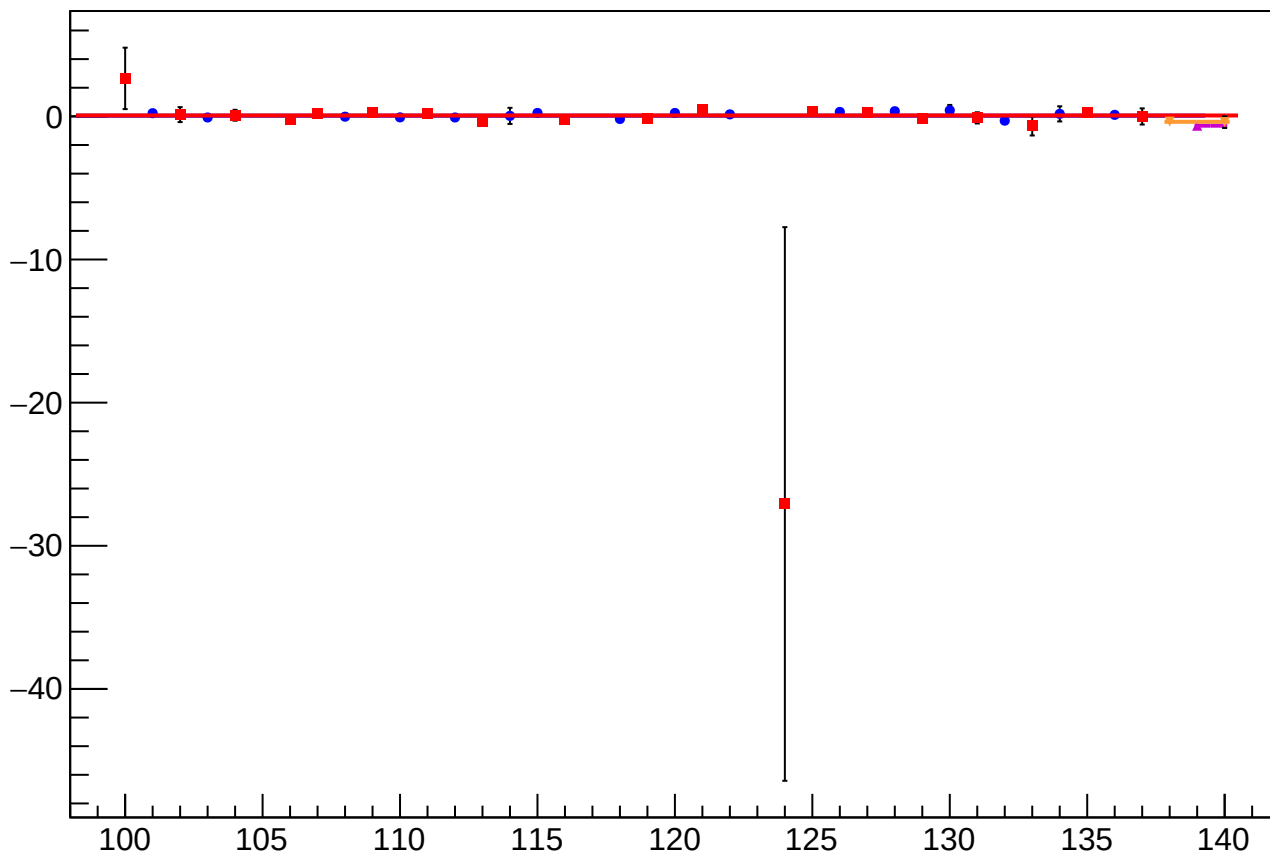
Left In: 0.017+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 7787020.3/17

All: 0.007+/-0.000 χ^2/NDF : 12345894.2/37

- sign 0.011+/-0.000 χ^2/NDF : 2579956.8/19

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.381 $\pm$ 0.247 χ^2 /NDF: 0.0/1

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

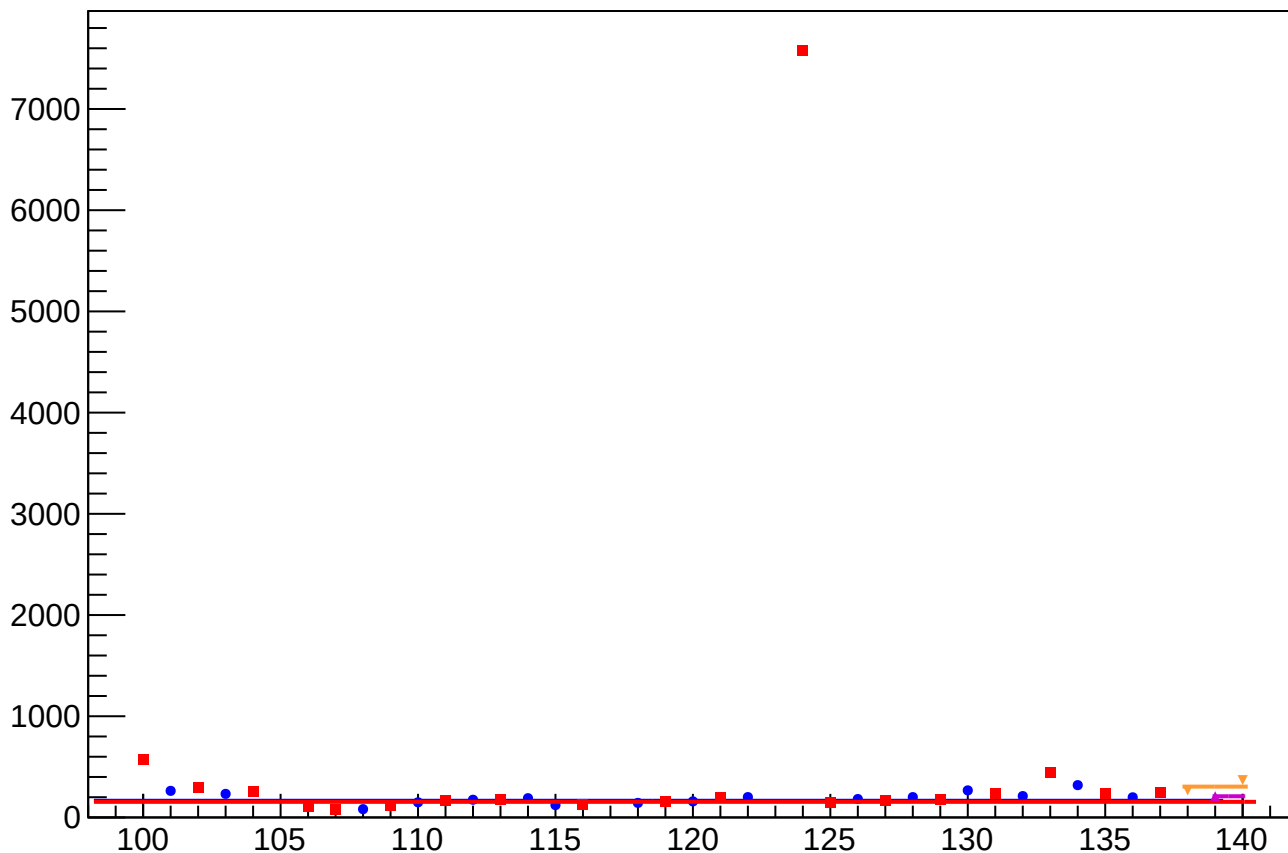
Left In: -0.650 $\pm$ 0.239 χ^2 /NDF: 0.0/0

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.016 $\pm$ 0.045 χ^2 /NDF: 37.1/37

- sign 0.013 $\pm$ 0.062 χ^2 /NDF: 26.7/19

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474692.6/15

Left Out: 304.689 $\pm$ 0.175 χ^2 /NDF: 78424.5/1

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

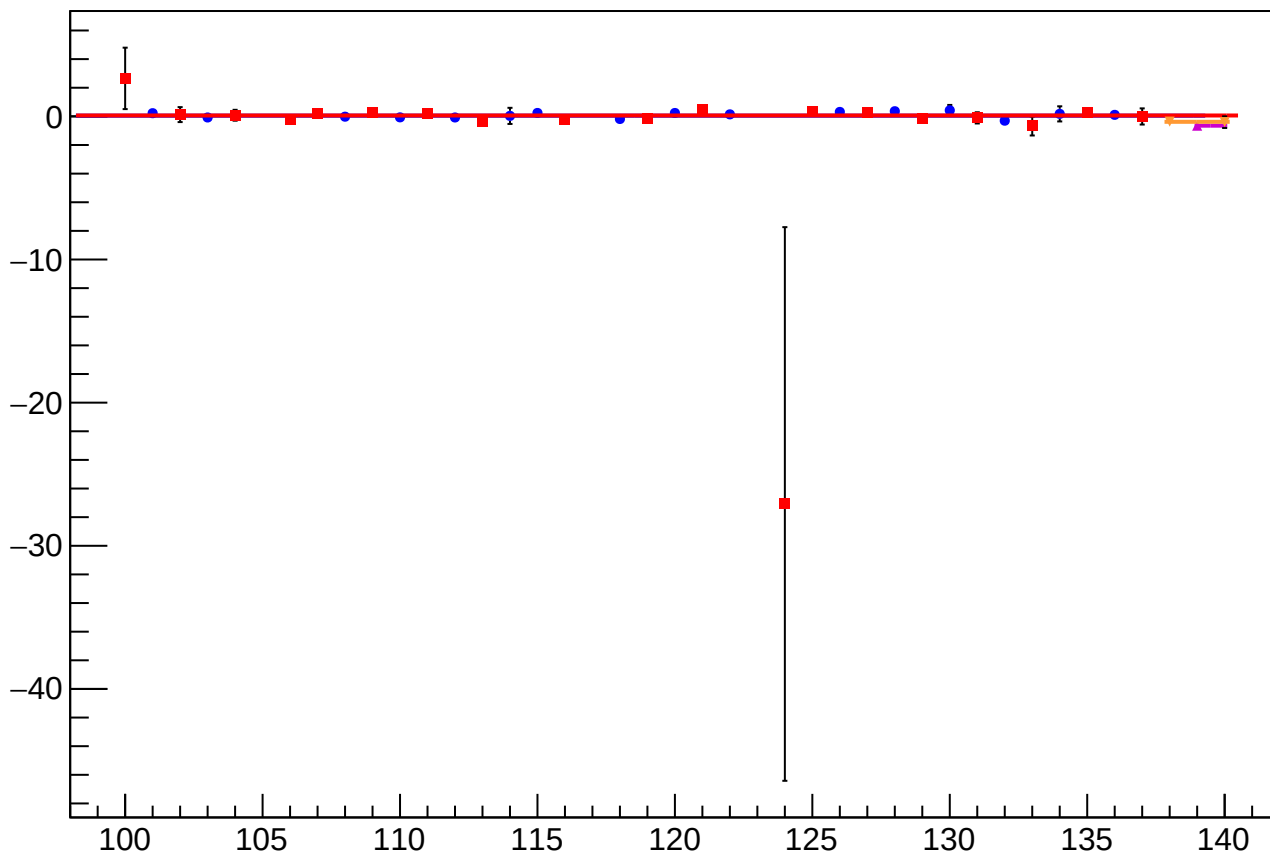
Left In: 209.392 $\pm$ 0.169 χ^2 /NDF: 0.0/0

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150959.6/17

All: 165.949 $\pm$ 0.032 χ^2 /NDF: 4236568.1/37

- sign 158.106 $\pm$ 0.044 χ^2 /NDF: 2019973.6/19

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.381 $\pm$ 0.247 χ^2 /NDF: 0.0/1

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

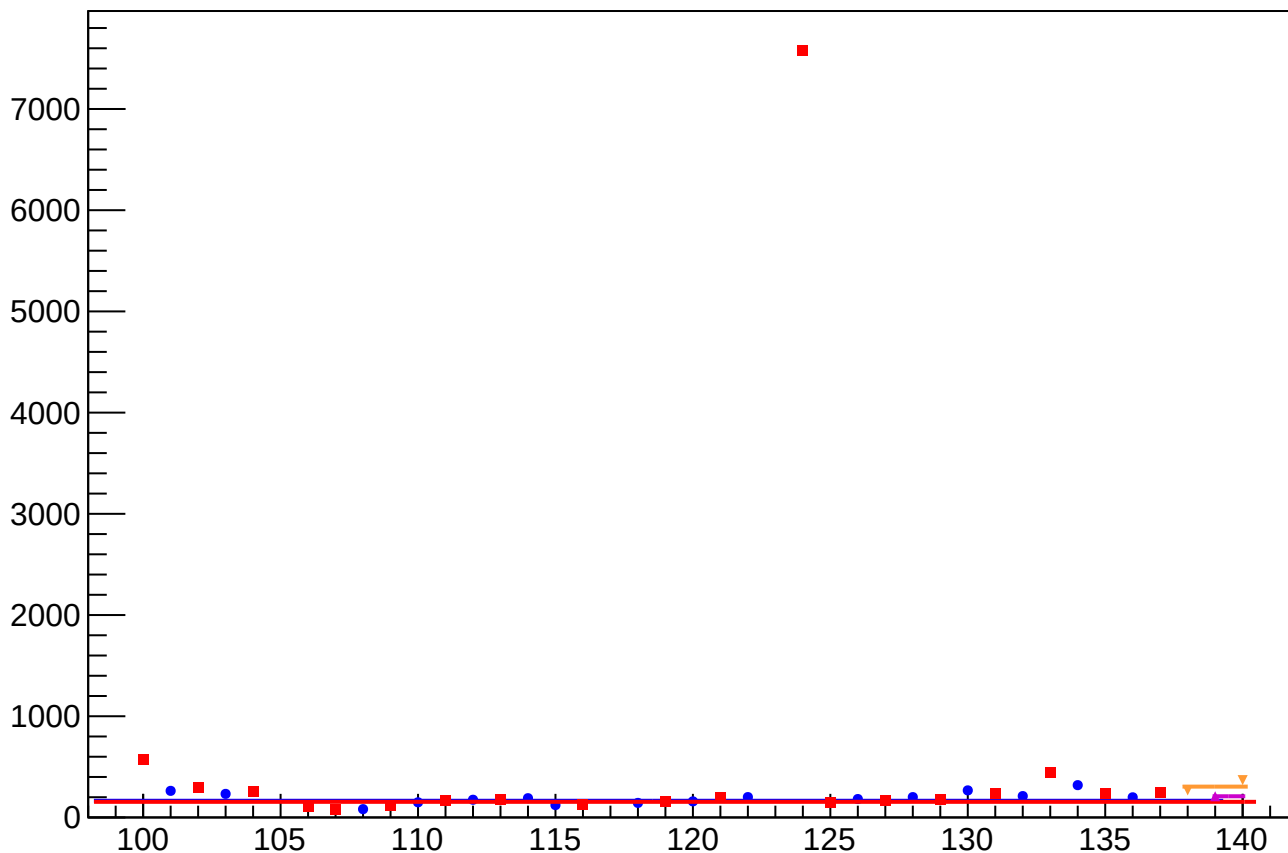
Left In: -0.650 $\pm$ 0.239 χ^2 /NDF: 0.0/0

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.016 $\pm$ 0.045 χ^2 /NDF: 37.1/37

- sign 0.013 $\pm$ 0.062 χ^2 /NDF: 26.7/19

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474692.6/15

Left Out: 304.689 $\pm$ 0.175 χ^2 /NDF:78424.5/1

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

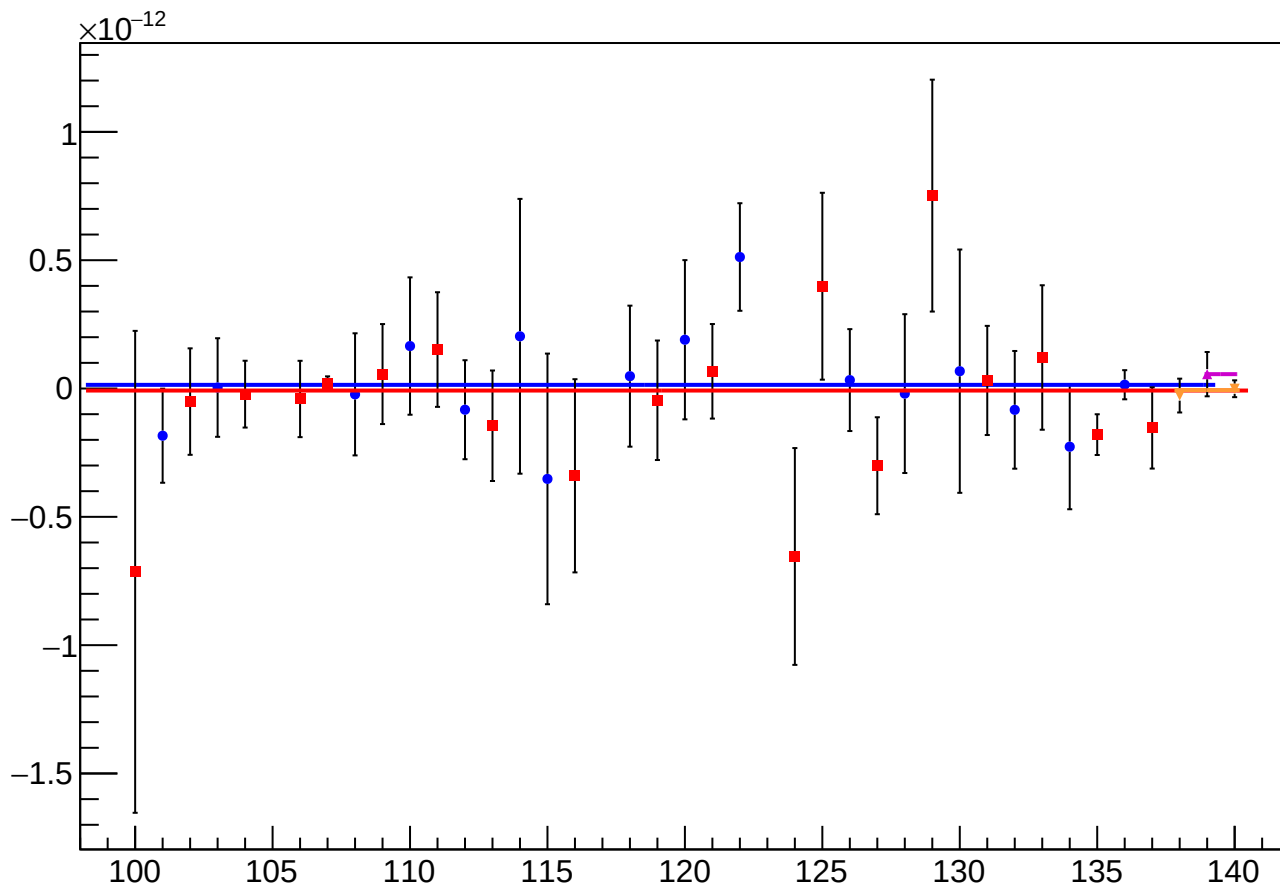
Left In: 209.392 $\pm$ 0.169 χ^2 /NDF:0.0/0

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150959.6/17

All: 165.949 $\pm$ 0.032 χ^2 /NDF: 4236568.1/37

- sign 158.106 $\pm$ 0.044 χ^2 /NDF: 2019973.6/19

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

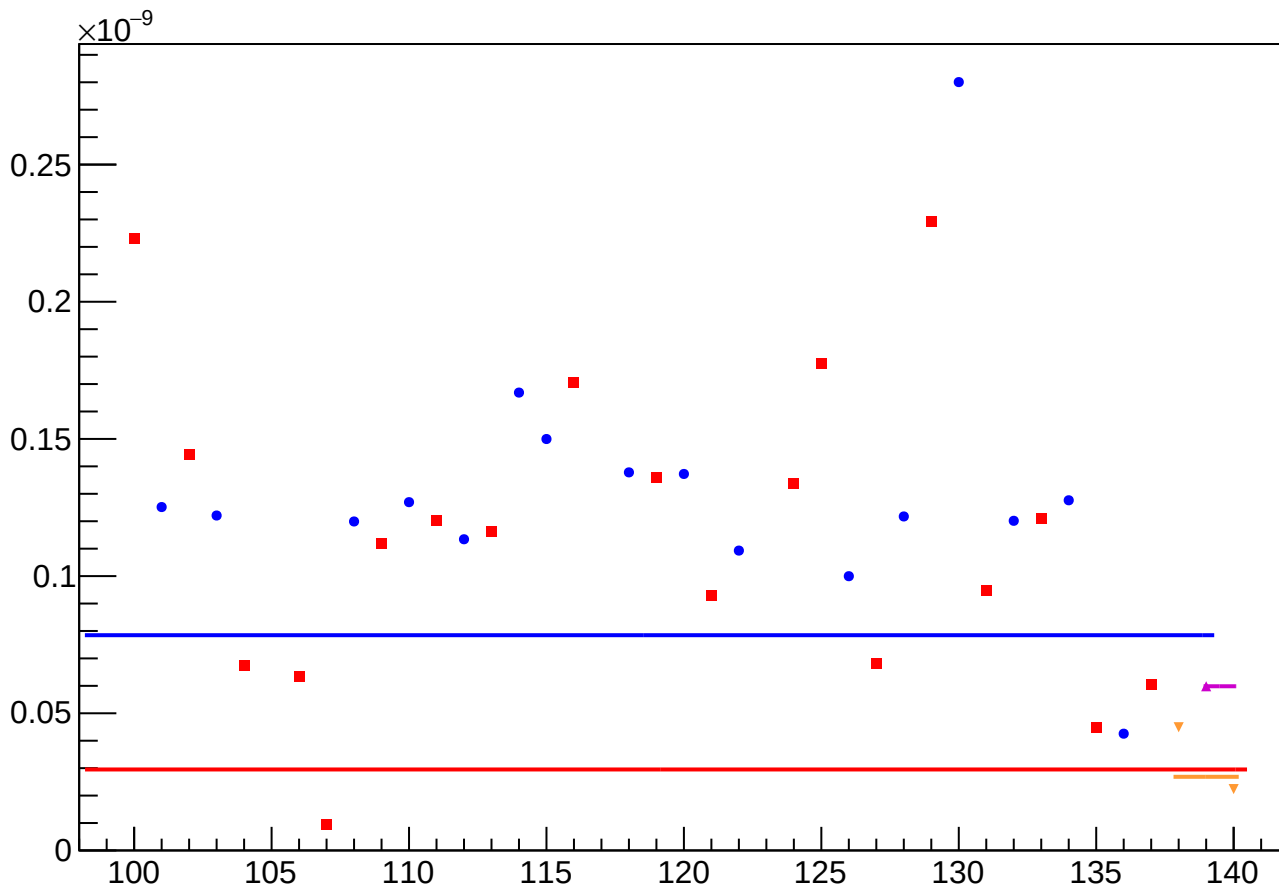
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/19

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 187515.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 5487361.4/18

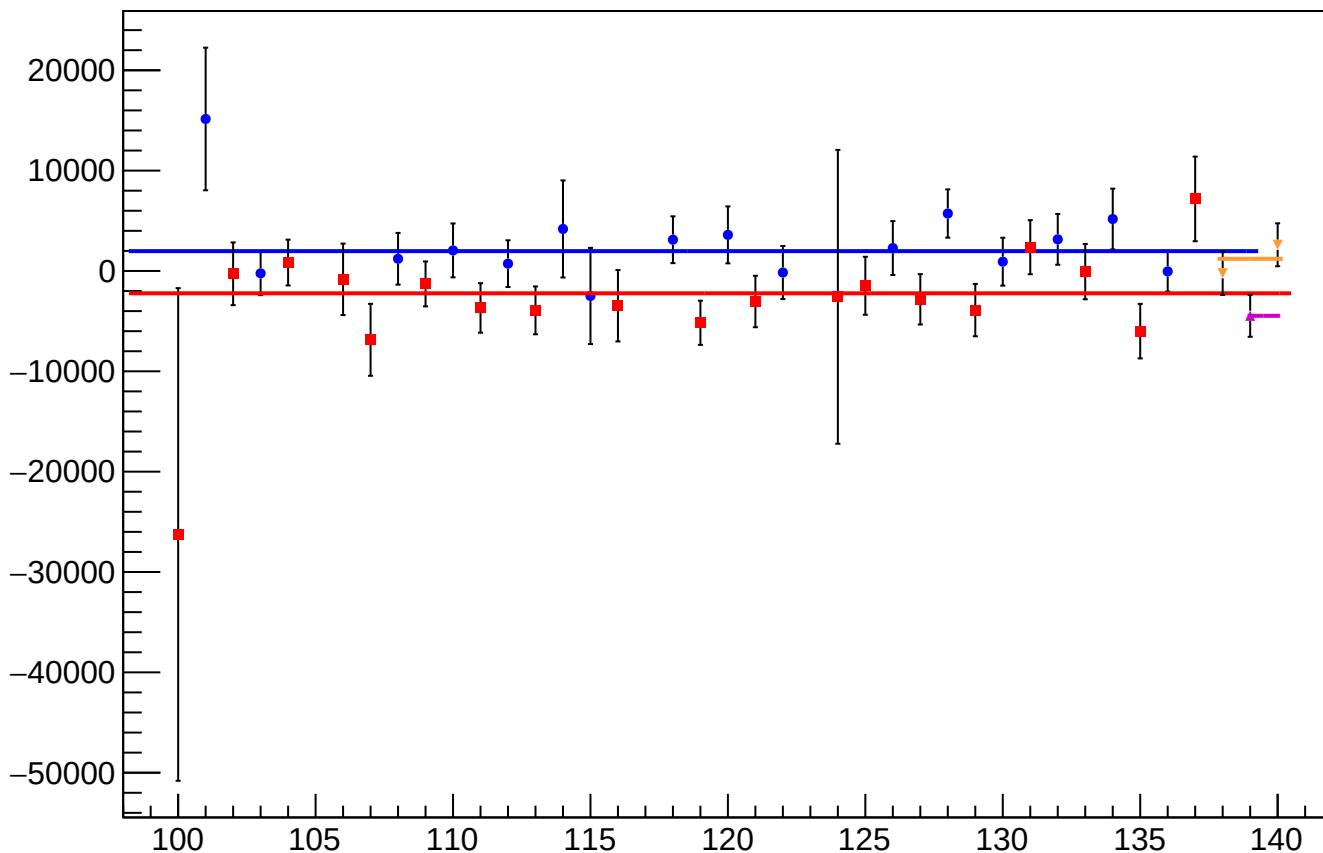
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4292933.2/17

All: 0.000+/-0.000 χ^2/NDF : 10281557.1/37

- sign 0.000+/-0.000 χ^2/NDF : 5717896.1/19

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1206.877 $\pm$ 1518.895 χ^2 /NDF: 0.9/1

Right Out: -2226.171 $\pm$ 656.286 χ^2 /NDF: 19.0/18

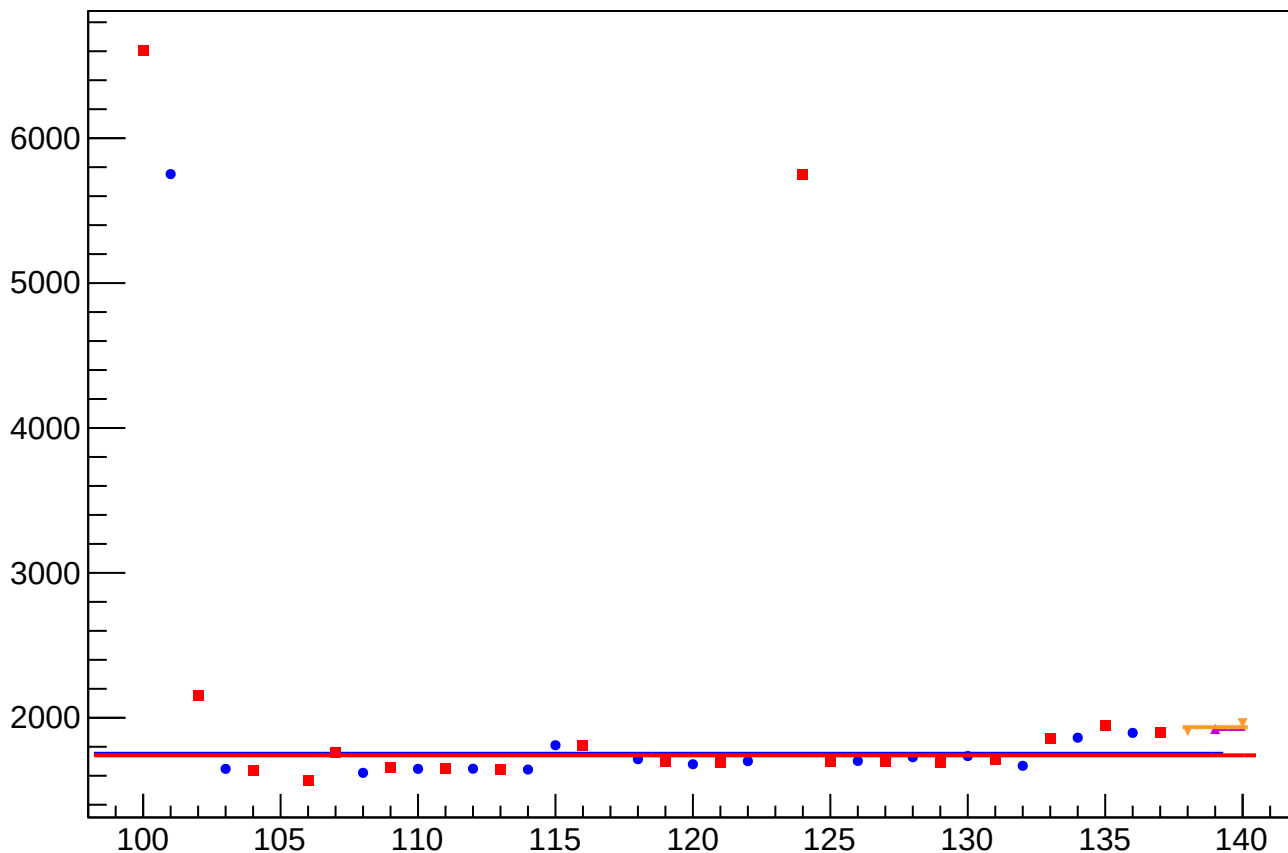
Left In: -4468.387 $\pm$ 2091.192 χ^2 /NDF: 0.0/0

+ sign 1851.689 $\pm$ 611.254 χ^2 /NDF: 13.2/17

All: -236.177 $\pm$ 437.402 χ^2 /NDF: 57.1/37

- sign -2427.209 $\pm$ 626.174 χ^2 /NDF: 20.0/19

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF : 670651.4/15

Left Out: 1935.238+/-1.074 χ^2/NDF : 662.9/1

Right Out: 1741.052+/-0.461 χ^2/NDF : 304655.0/18

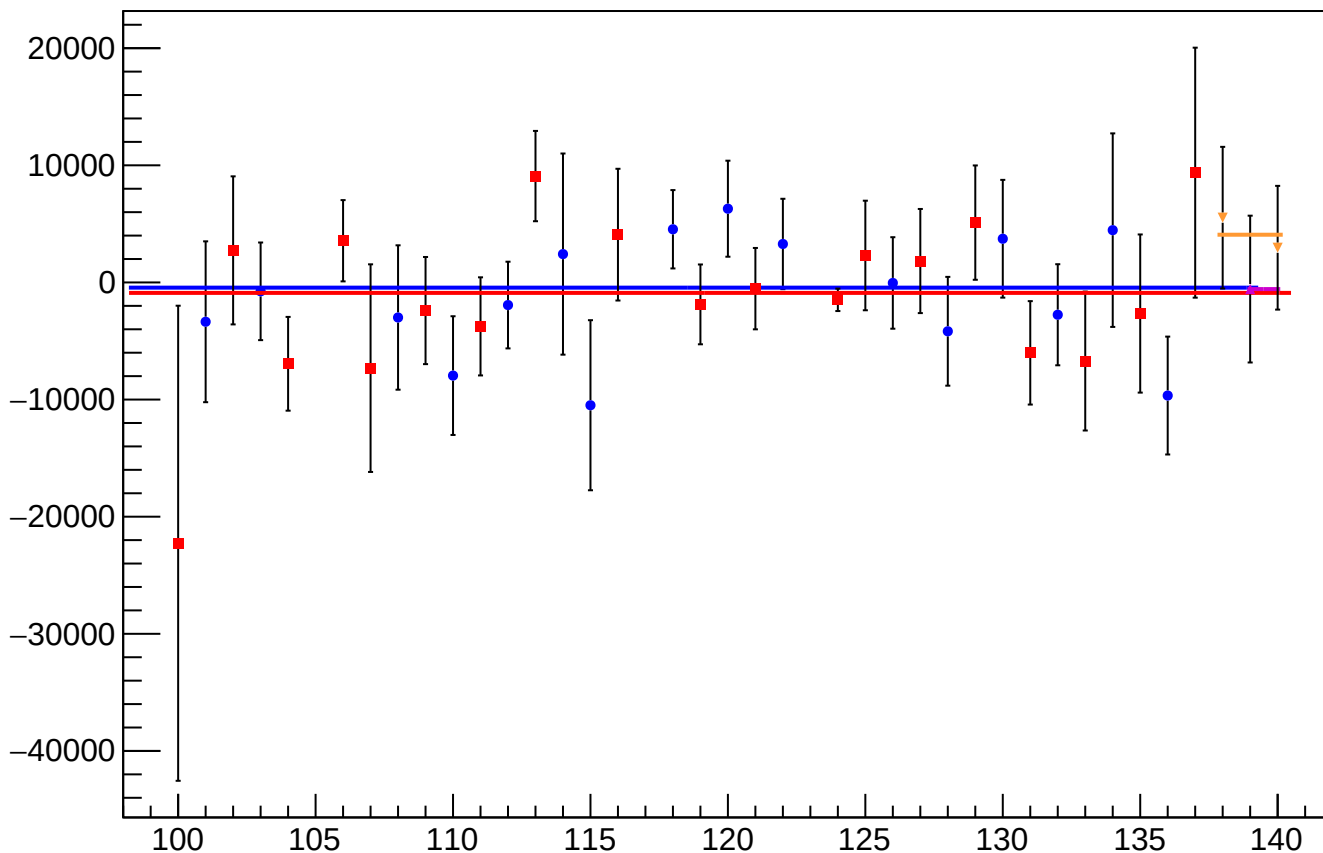
Left In: 1922.808+/-1.479 χ^2/NDF : 0.0/0

+ sign 1781.346+/-0.432 χ^2/NDF : 695812.6/17

All: 1769.449+/-0.308 χ^2/NDF : 1015781.7/37

- sign 1757.131+/-0.440 χ^2/NDF : 318426.9/19

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF : 15.9/15

Left Out: 4074.010+/-3978.275 χ^2/NDF : 0.1/1

Right Out: -892.237+/-725.737 χ^2/NDF : 20.1/18

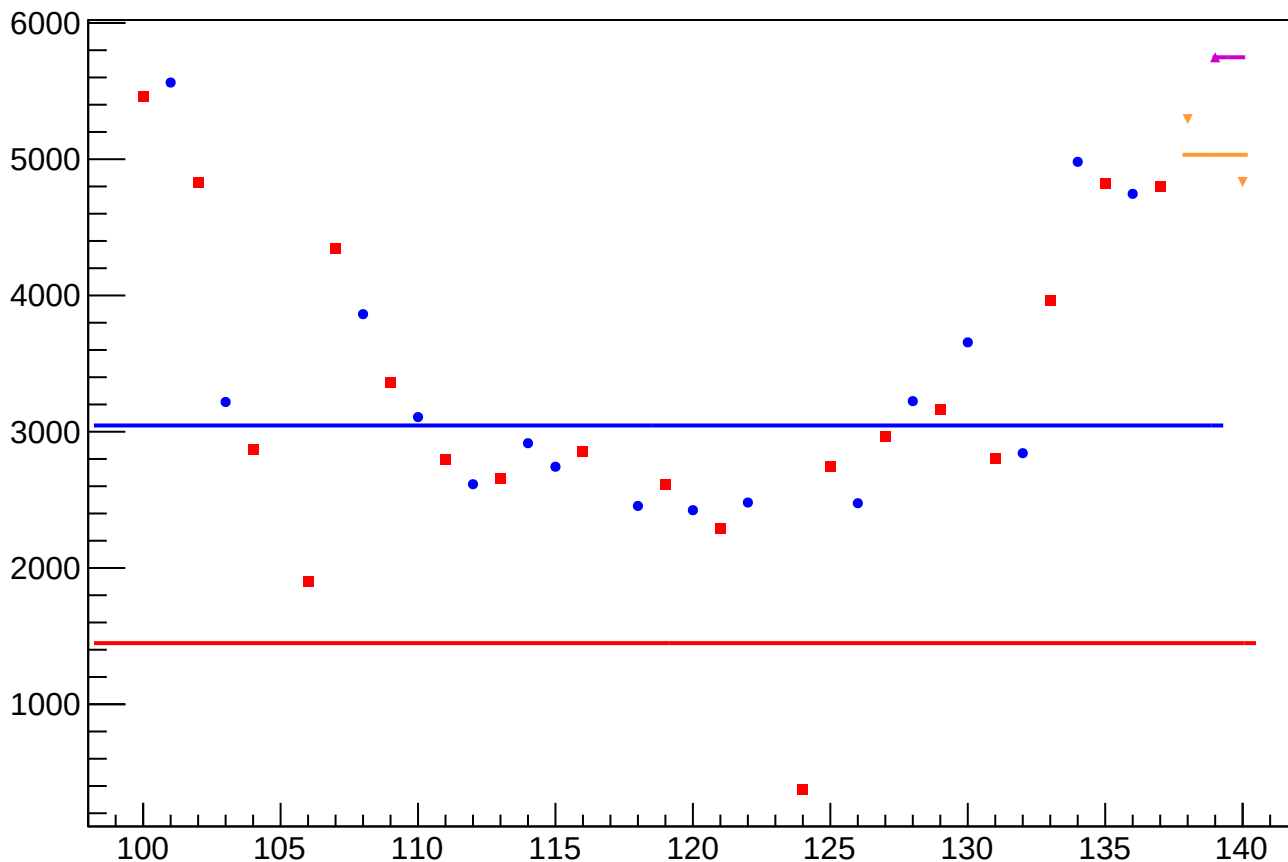
Left In: -566.979+/-6267.184 χ^2/NDF : 0.0/0

+ sign -82.063+/-1126.390 χ^2/NDF : 17.2/17

All: -653.751+/-607.202 χ^2/NDF : 37.7/37

- sign -887.933+/-720.919 χ^2/NDF : 20.1/19

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2 /NDF: 907385.5/15

Left Out: 5032.388+/-2.813 χ^2 /NDF: 6593.9/1

Right Out: 1448.519+/-0.513 χ^2 /NDF: 6786925.8/18

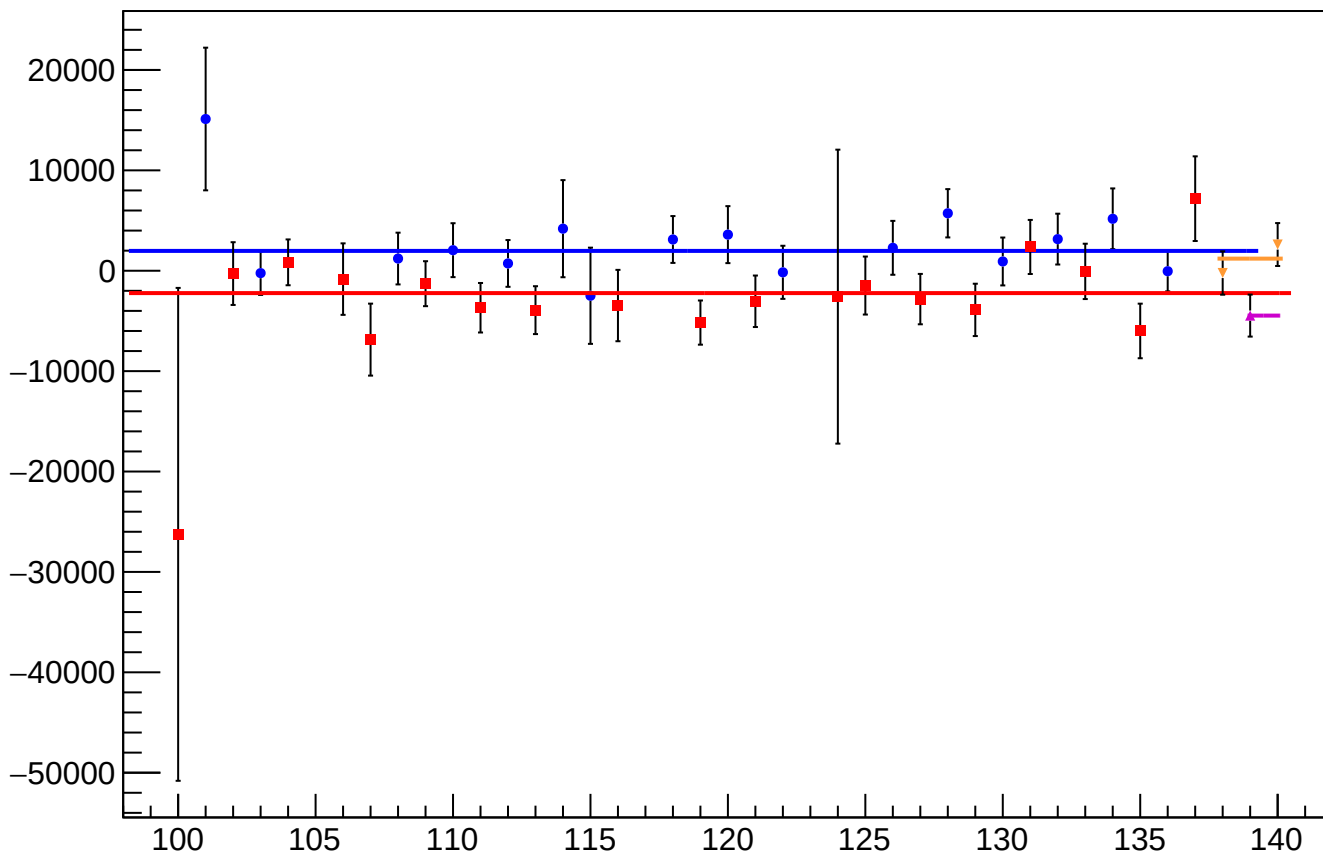
Left In: 5748.136+/-4.432 χ^2 /NDF: 0.0/0

+ sign 3205.164+/-0.796 χ^2 /NDF: 1372664.2/17

All: 1999.353+/-0.429 χ^2 /NDF: 12319322.2/3

- sign 1505.412+/-0.510 χ^2 /NDF: 7715805.7/19

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1207.014 $\pm$ 1518.895 χ^2 /NDF: 0.9/1

Right Out: -2226.267 $\pm$ 656.286 χ^2 /NDF: 19.0/18

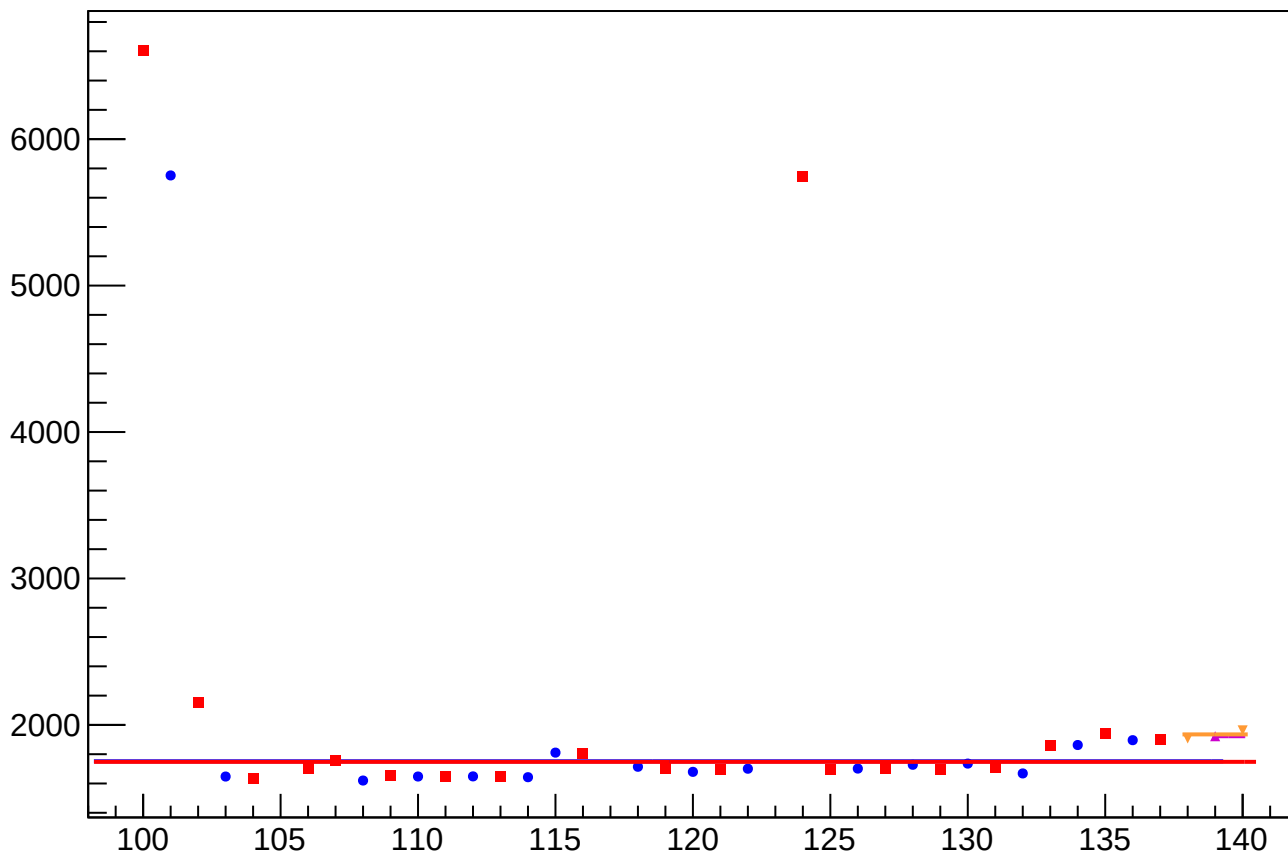
Left In: -4468.447 $\pm$ 2091.192 χ^2 /NDF: 0.0/0

+ sign 1851.416 $\pm$ 611.254 χ^2 /NDF: 13.2/17

All: -236.362 $\pm$ 437.402 χ^2 /NDF: 57.1/37

- sign -2427.303 $\pm$ 626.174 χ^2 /NDF: 20.0/19

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1935.238 $\pm$ 1.074 χ^2 /NDF:662.9/1

Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

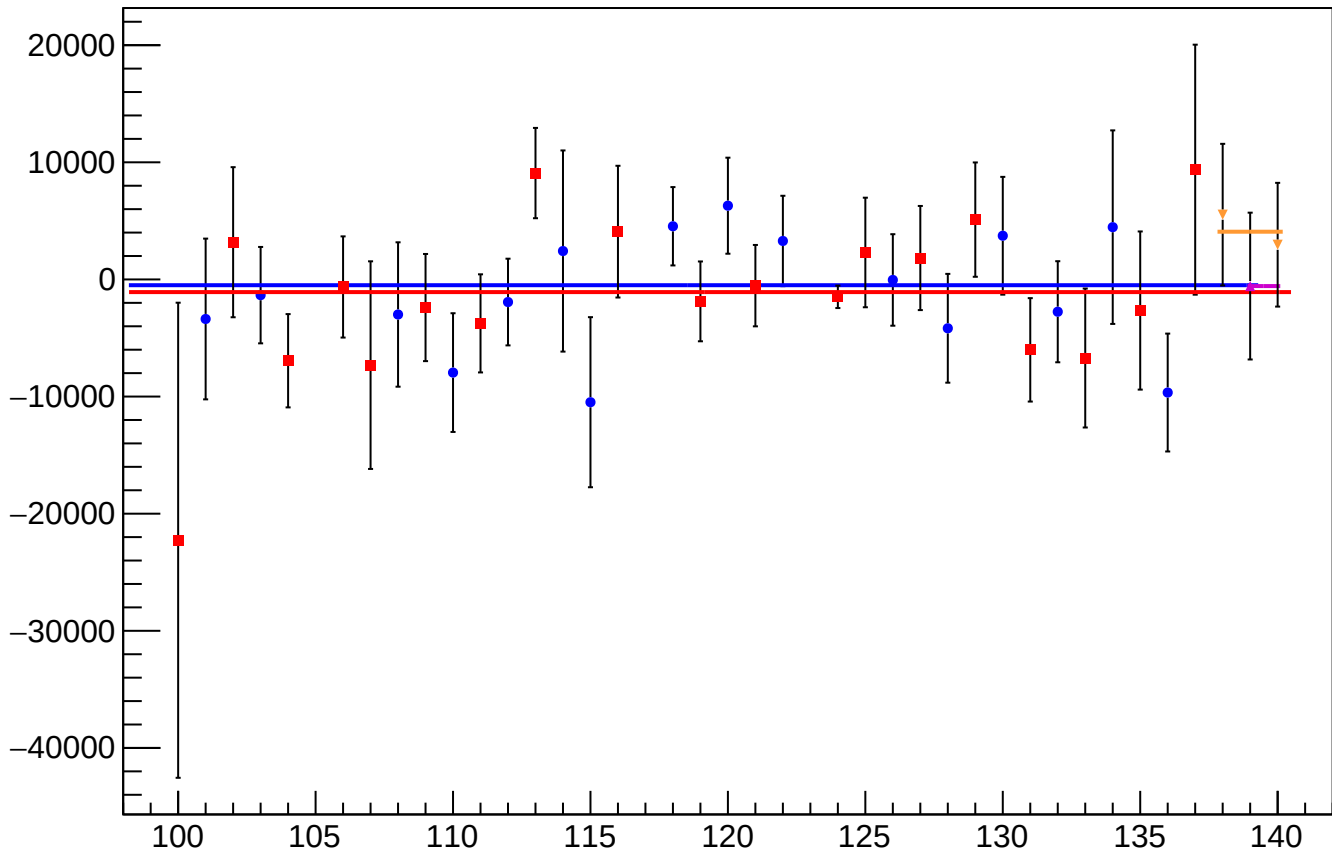
Left In: 1922.808 $\pm$ 1.479 χ^2 /NDF:0.0/0

+ sign 1781.346 $\pm$ 0.432 χ^2 /NDF: 695812.9/17

All: 1772.545 $\pm$ 0.309 χ^2 /NDF: 1007339.3/37

- sign 1763.372 $\pm$ 0.441 χ^2 /NDF: 310679.6/19

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF : 16.0/15

Left Out: 4074.199+/-3978.272 χ^2/NDF : 0.1/1

Right Out: -1080.924+/-731.458 χ^2/NDF : 18.5/18

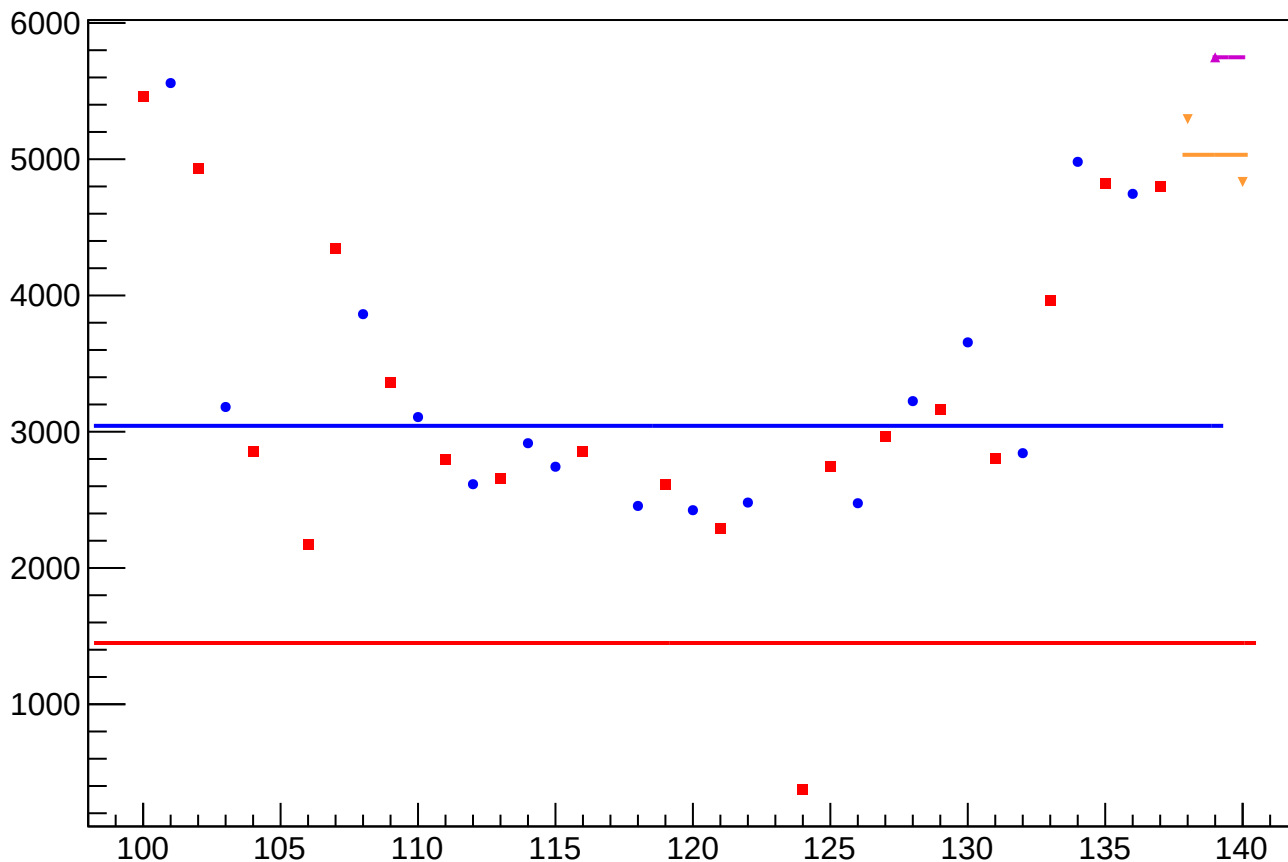
Left In: -566.952+/-6267.193 χ^2/NDF : 0.0/0

+ sign -127.484+/-1125.323 χ^2/NDF : 17.3/17

All: -795.553+/-610.371 χ^2/NDF : 36.3/37

- sign -1074.017+/-726.527 χ^2/NDF : 18.5/19

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270 ± 0.830 $\chi^2/\text{NDF}: 905659.7/15$

Left Out: 5032.382 ± 2.813 $\chi^2/\text{NDF}: 6593.9/1$

Right Out: 1449.516 ± 0.517 $\chi^2/\text{NDF}: 6825716.5/18$

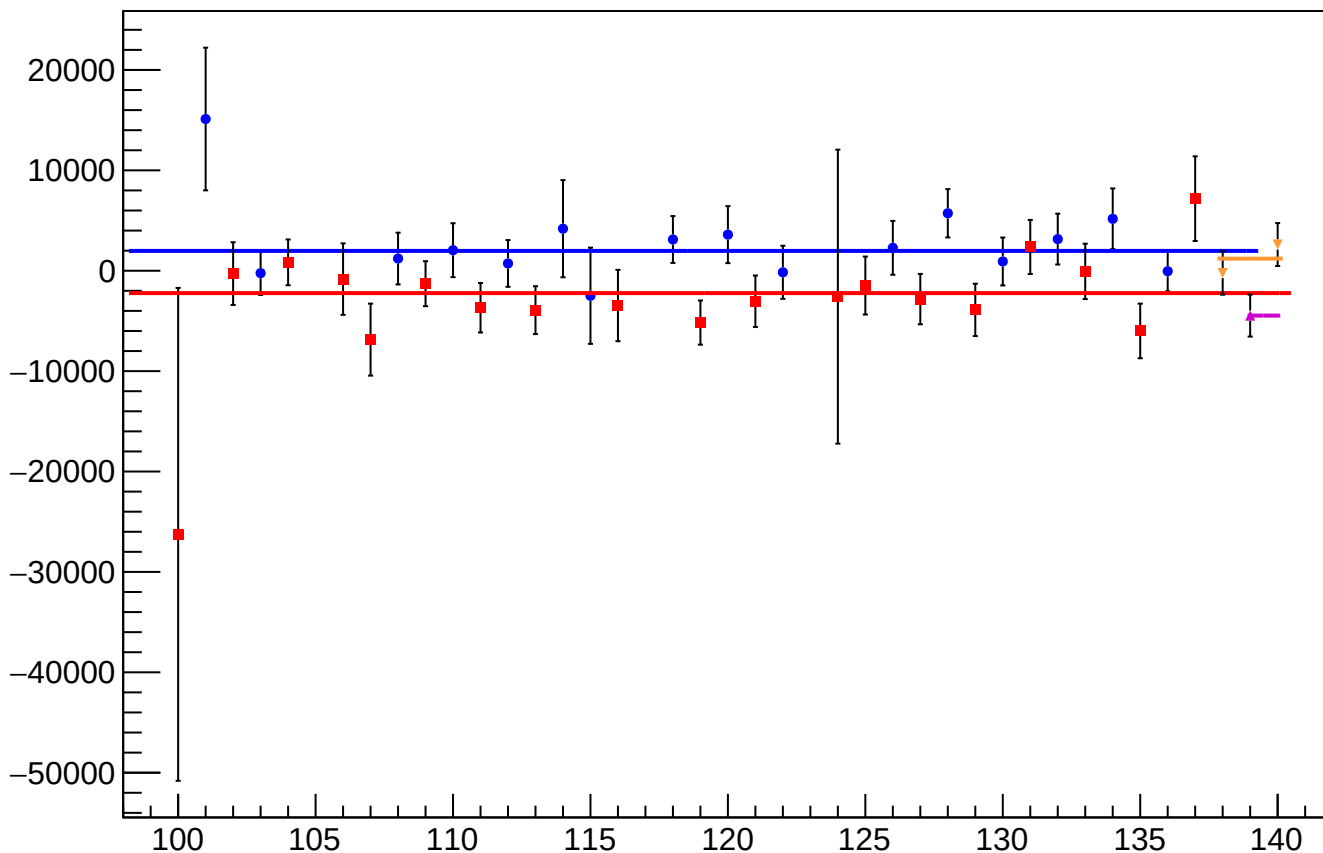
Left In: 5748.144 ± 4.432 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3202.427 ± 0.796 $\chi^2/\text{NDF}: 1372235.3/17$

All: 2005.985 ± 0.432 $\chi^2/\text{NDF}: 12329330.3/3$

- sign 1507.284 ± 0.514 $\chi^2/\text{NDF}: 7753972.2/19$

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1207.014 $\pm$ 1518.895 χ^2 /NDF: 0.9/1

Right Out: -2226.267 $\pm$ 656.286 χ^2 /NDF: 19.0/18

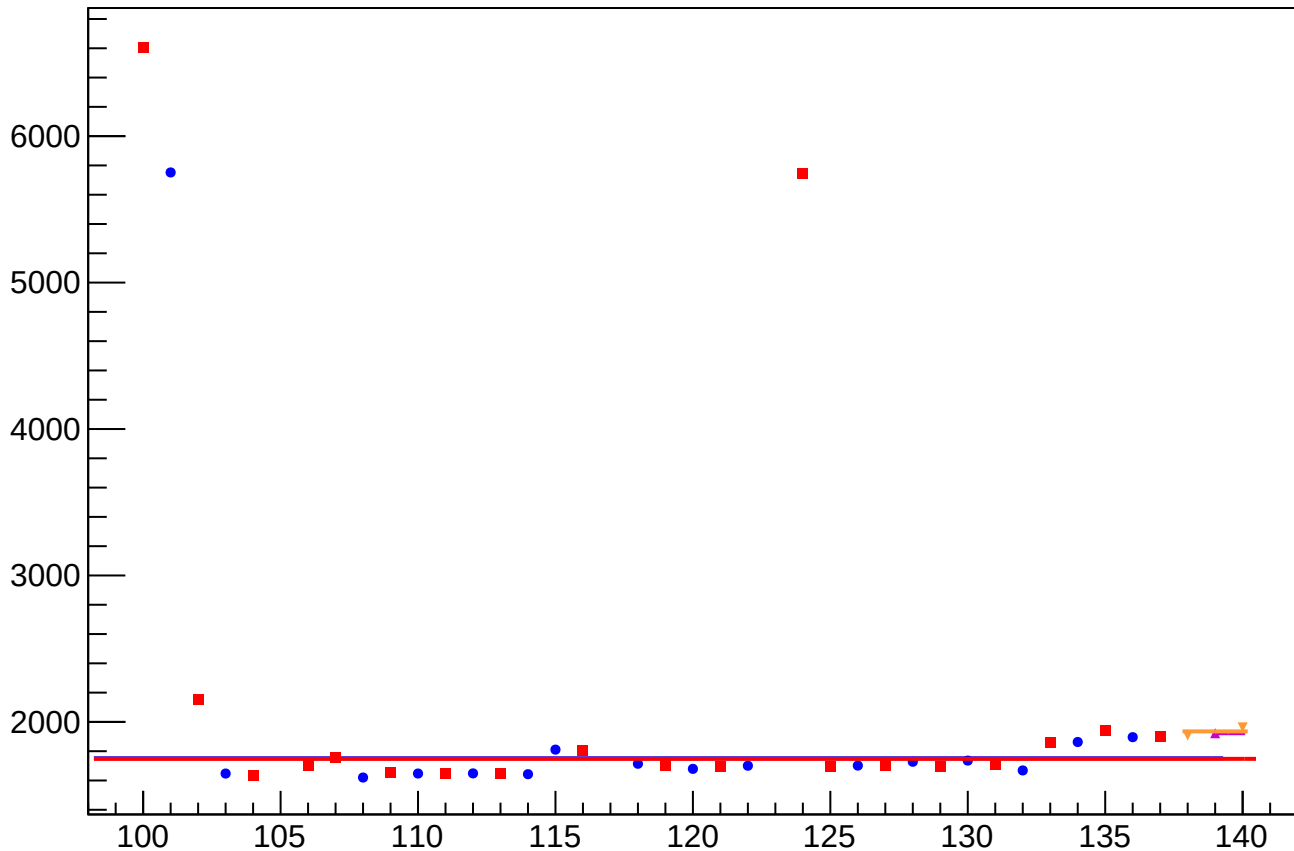
Left In: -4468.447 $\pm$ 2091.192 χ^2 /NDF: 0.0/0

+ sign 1851.416 $\pm$ 611.254 χ^2 /NDF: 13.2/17

All: -236.362 $\pm$ 437.402 χ^2 /NDF: 57.1/37

- sign -2427.303 $\pm$ 626.174 χ^2 /NDF: 20.0/19

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1935.238 $\pm$ 1.074 χ^2 /NDF: 662.9/1

Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

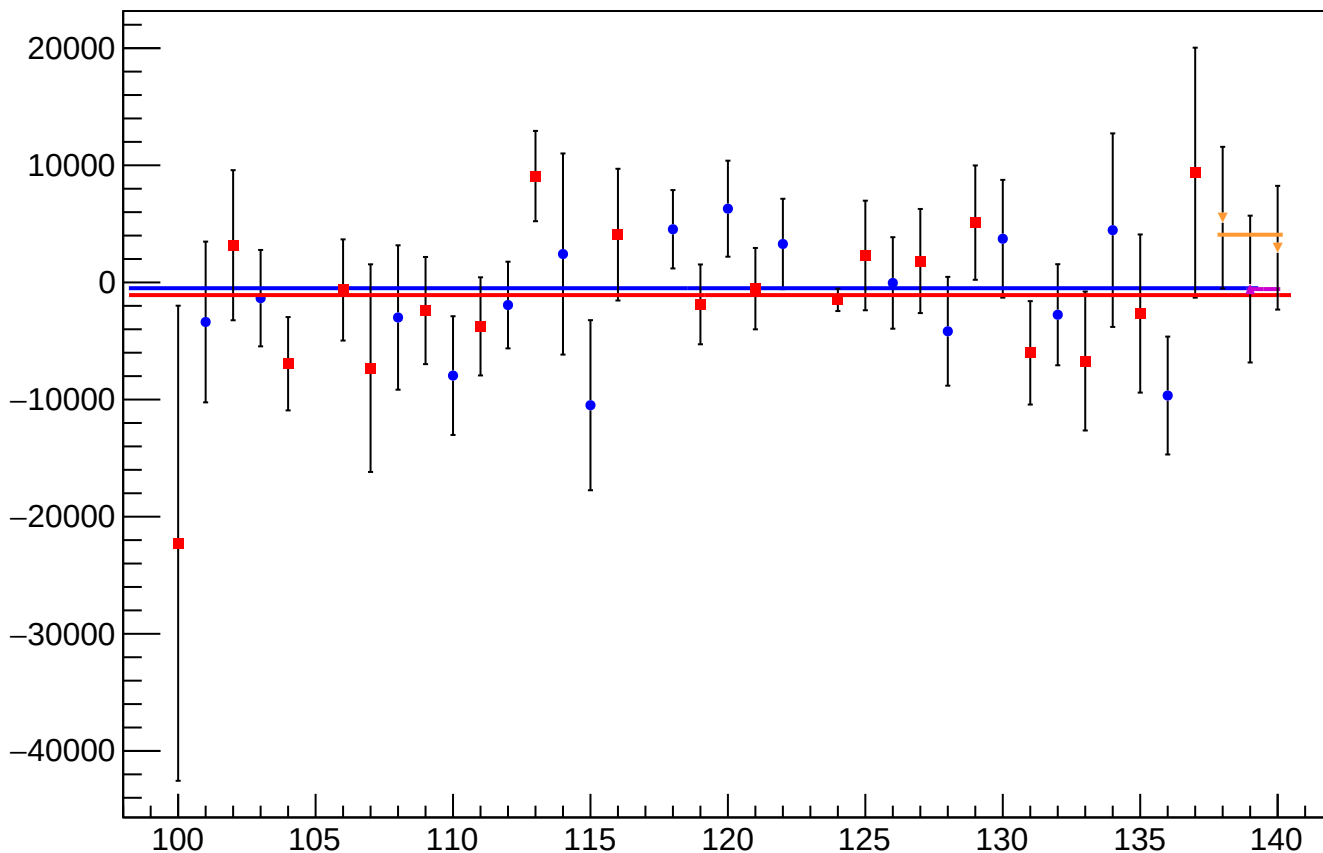
Left In: 1922.808 $\pm$ 1.479 χ^2 /NDF: 0.0/0

+ sign 1781.346 $\pm$ 0.432 χ^2 /NDF: 695812.9/17

All: 1772.545 $\pm$ 0.309 χ^2 /NDF: 1007339.3/37

- sign 1763.372 $\pm$ 0.441 χ^2 /NDF: 310679.6/19

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF : 16.0/15

Left Out: 4074.199+/-3978.272 χ^2/NDF : 0.1/1

Right Out: -1080.924+/-731.458 χ^2/NDF : 18.5/18

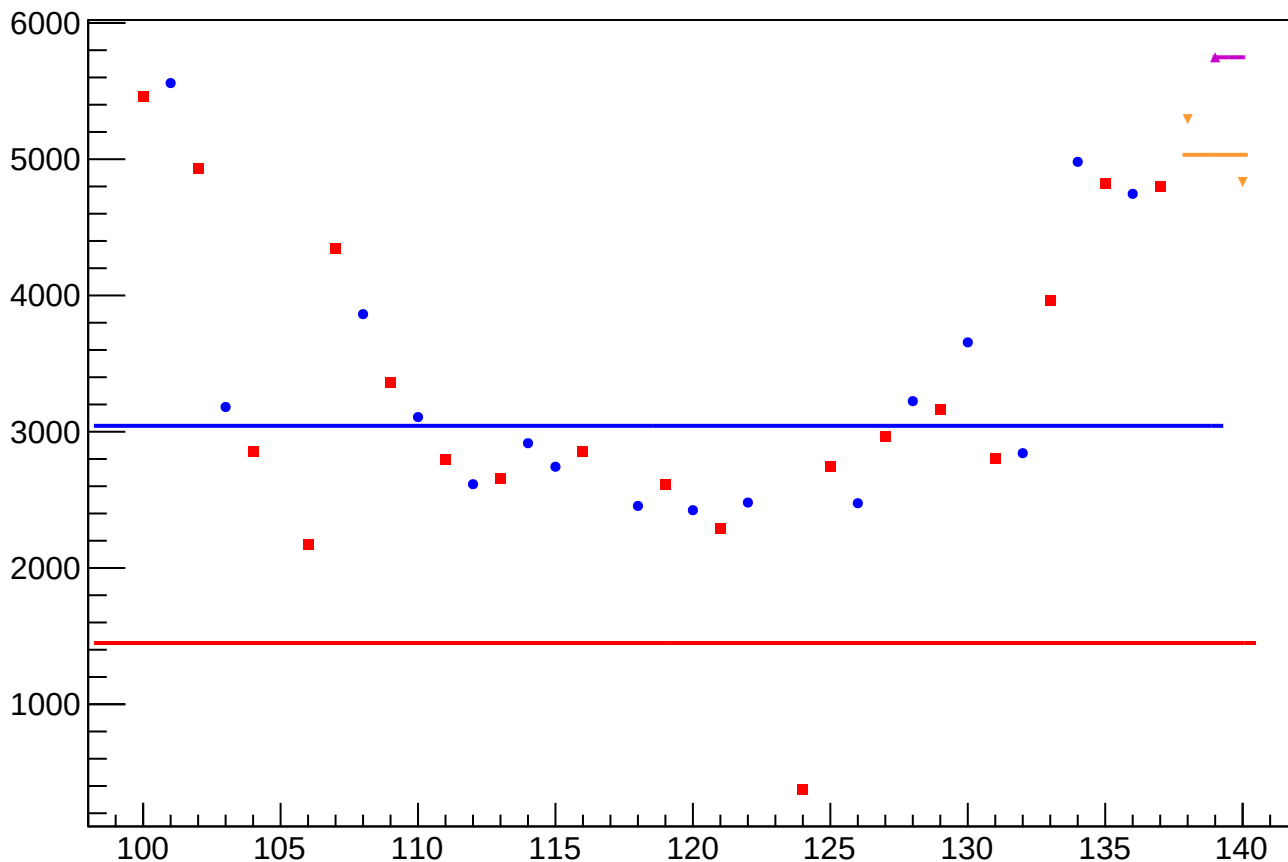
Left In: -566.952+/-6267.193 χ^2/NDF : 0.0/0

+ sign -127.484+/-1125.323 χ^2/NDF : 17.3/17

All: -795.553+/-610.371 χ^2/NDF : 36.3/37

- sign -1074.017+/-726.527 χ^2/NDF : 18.5/19

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF : 905659.7/15

Left Out: 5032.382+/-2.813 χ^2/NDF : 6593.9/1

Right Out: 1449.516+/-0.517 χ^2/NDF : 6825716.5/18

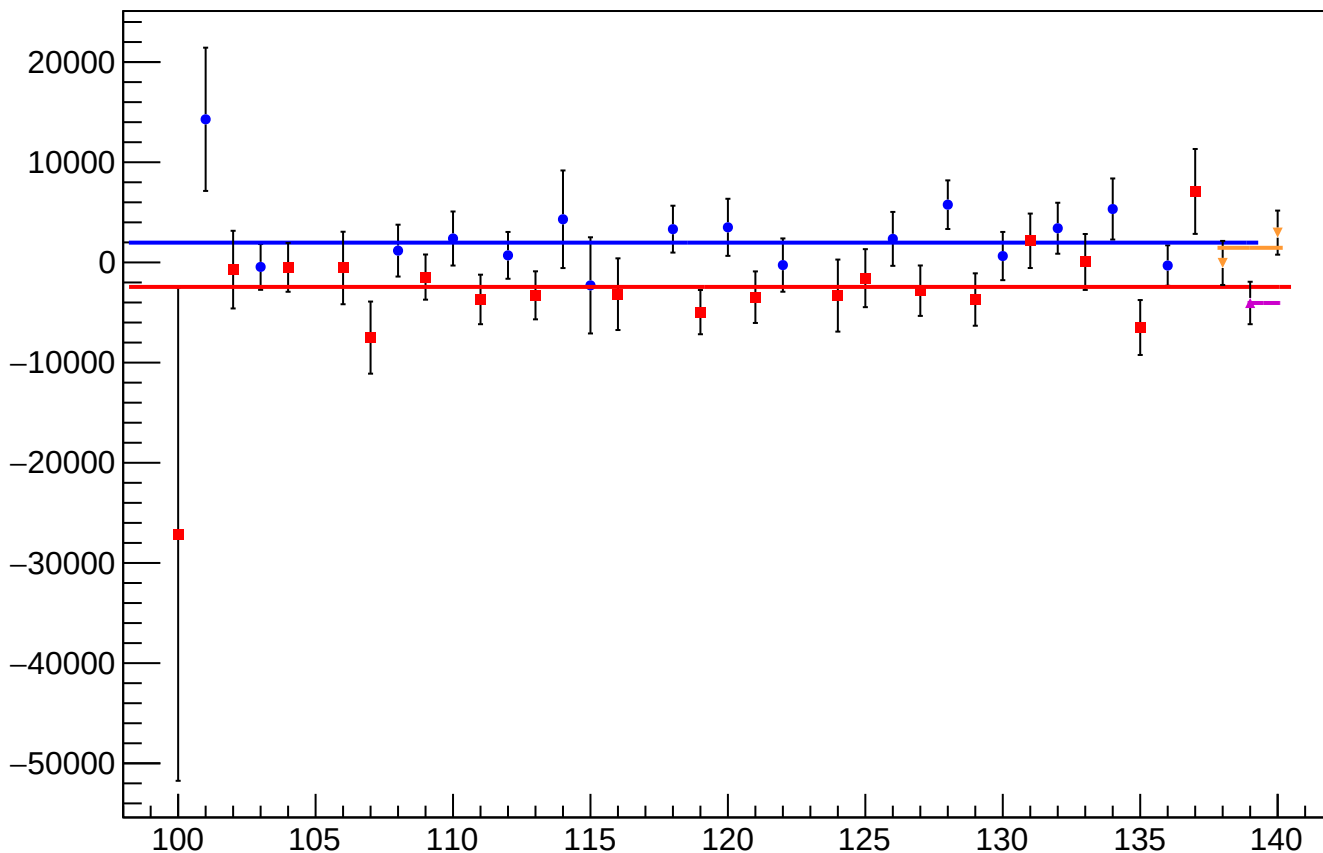
Left In: 5748.144+/-4.432 χ^2/NDF : 0.0/0

+ sign 3202.427+/-0.796 χ^2/NDF : 1372235.3/17

All: 2005.985+/-0.432 χ^2/NDF : 12329330.3/3

- sign 1507.284+/-0.514 χ^2/NDF : 7753972.2/19

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804 $\pm$ 674.086 χ^2 /NDF: 12.4/15

Left Out: 1459.599 $\pm$ 1554.888 χ^2 /NDF: 0.9/1

Right Out: -2444.199 $\pm$ 657.682 χ^2 /NDF: 17.5/18

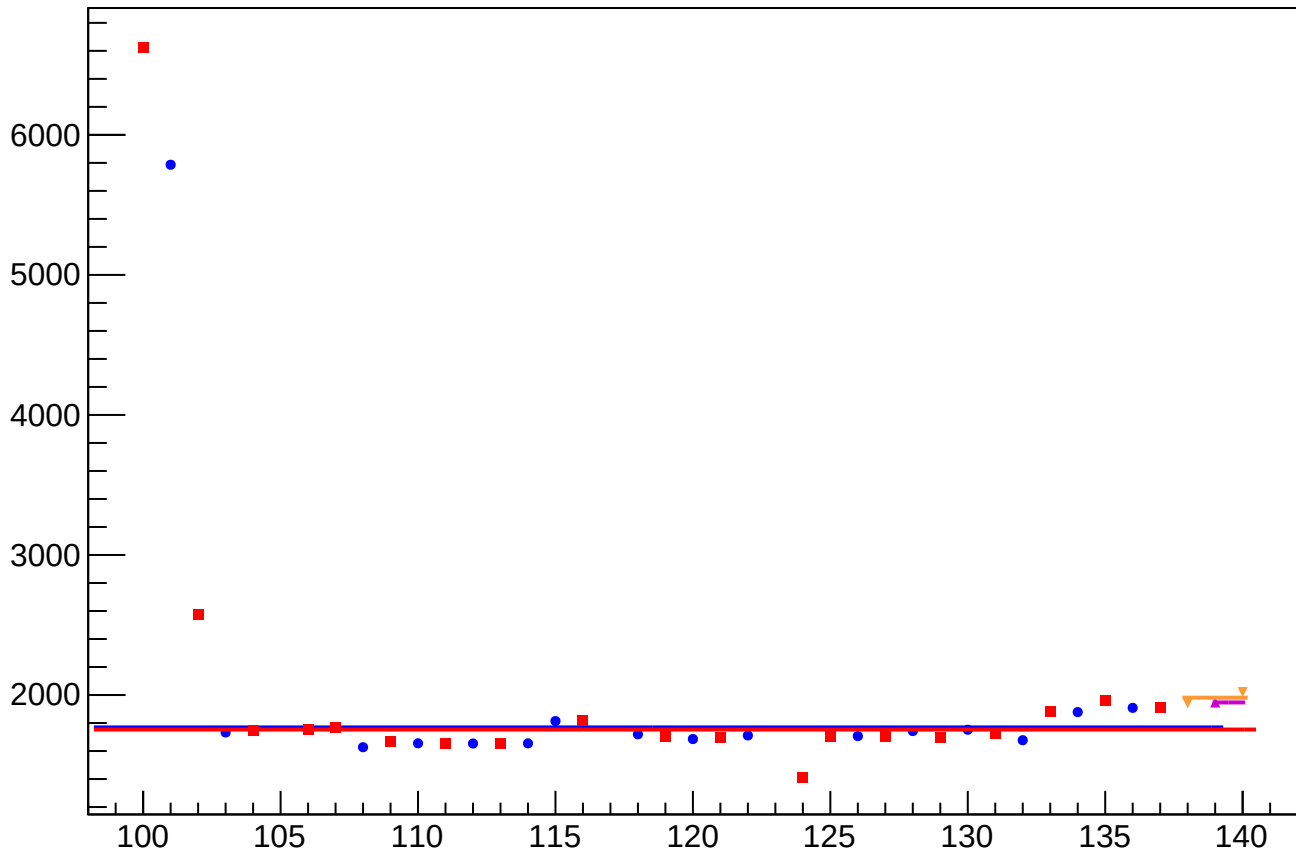
Left In: -4047.820 $\pm$ 2117.915 χ^2 /NDF: 0.0/0

+ sign 1894.135 $\pm$ 618.468 χ^2 /NDF: 13.5/17

All: -310.958 $\pm$ 440.687 χ^2 /NDF: 57.3/37

- sign -2585.237 $\pm$ 628.095 χ^2 /NDF: 18.0/19

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF : 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF :1306.1/1

+ sign 1802.066+/-0.437 χ^2/NDF : 700056.4/17

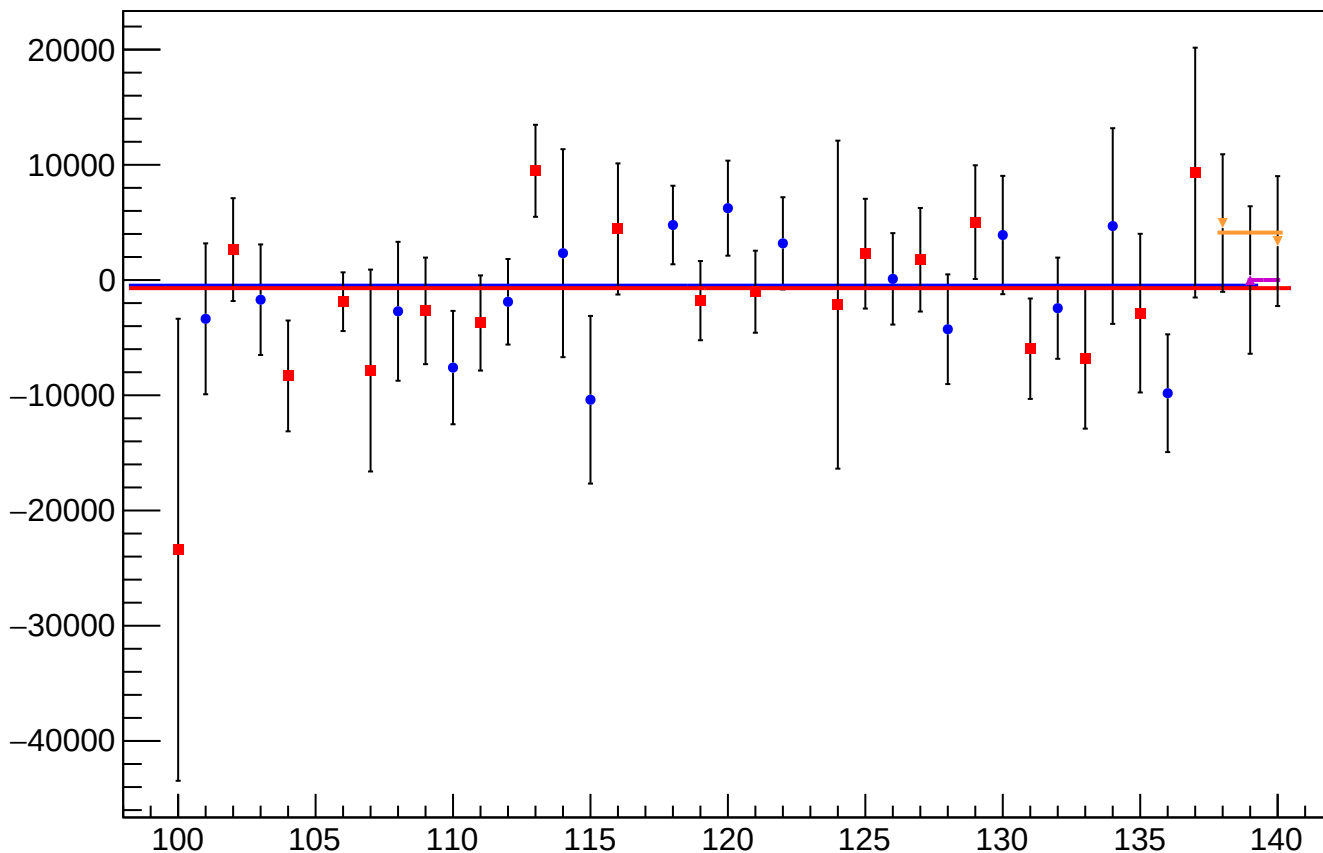
Right Out: 1753.383+/-0.464 χ^2/NDF : 218864.4/18

All: 1786.401+/-0.311 χ^2/NDF : 936759.8/37

- sign 1770.322+/-0.443 χ^2/NDF : 234103.1/19

Left In: 1946.917+/-1.498 χ^2/NDF :0.0/0

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF : 15.8/15

Left Out: 4118.763+/-4098.653 χ^2/NDF : 0.0/1

Right Out: -703.324+/-1069.467 χ^2/NDF : 18.8/18

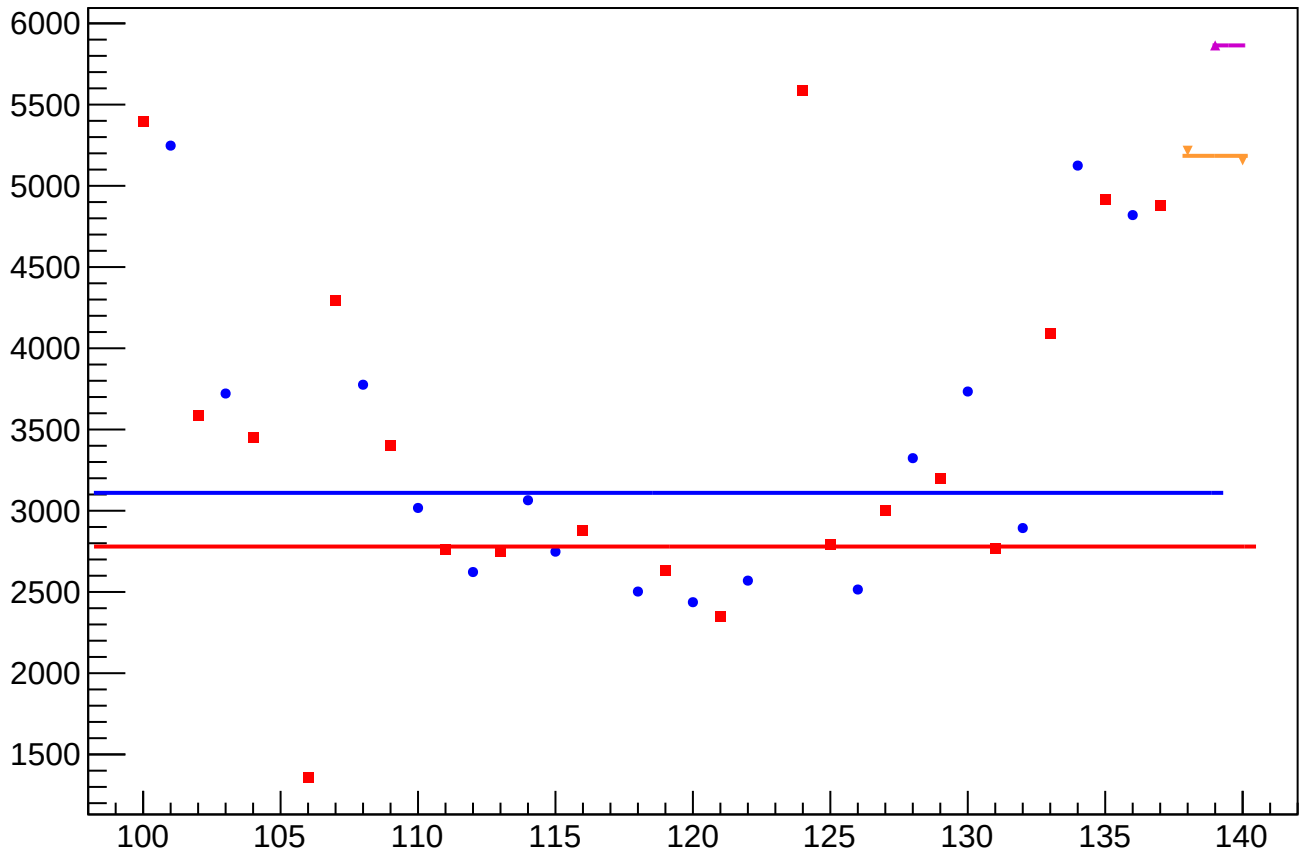
Left In: 2.514+/-6400.047 χ^2/NDF : 0.0/0

+ sign -125.217+/-1150.334 χ^2/NDF : 17.0/17

All: -428.842+/-777.456 χ^2/NDF : 35.9/37

- sign -684.150+/-1054.841 χ^2/NDF : 18.9/19

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF : 883262.4/15

Left Out: 5184.666+/-2.898 χ^2/NDF :103.8/1

+ sign 3273.545+/-0.813 χ^2/NDF : 1355381.6/17

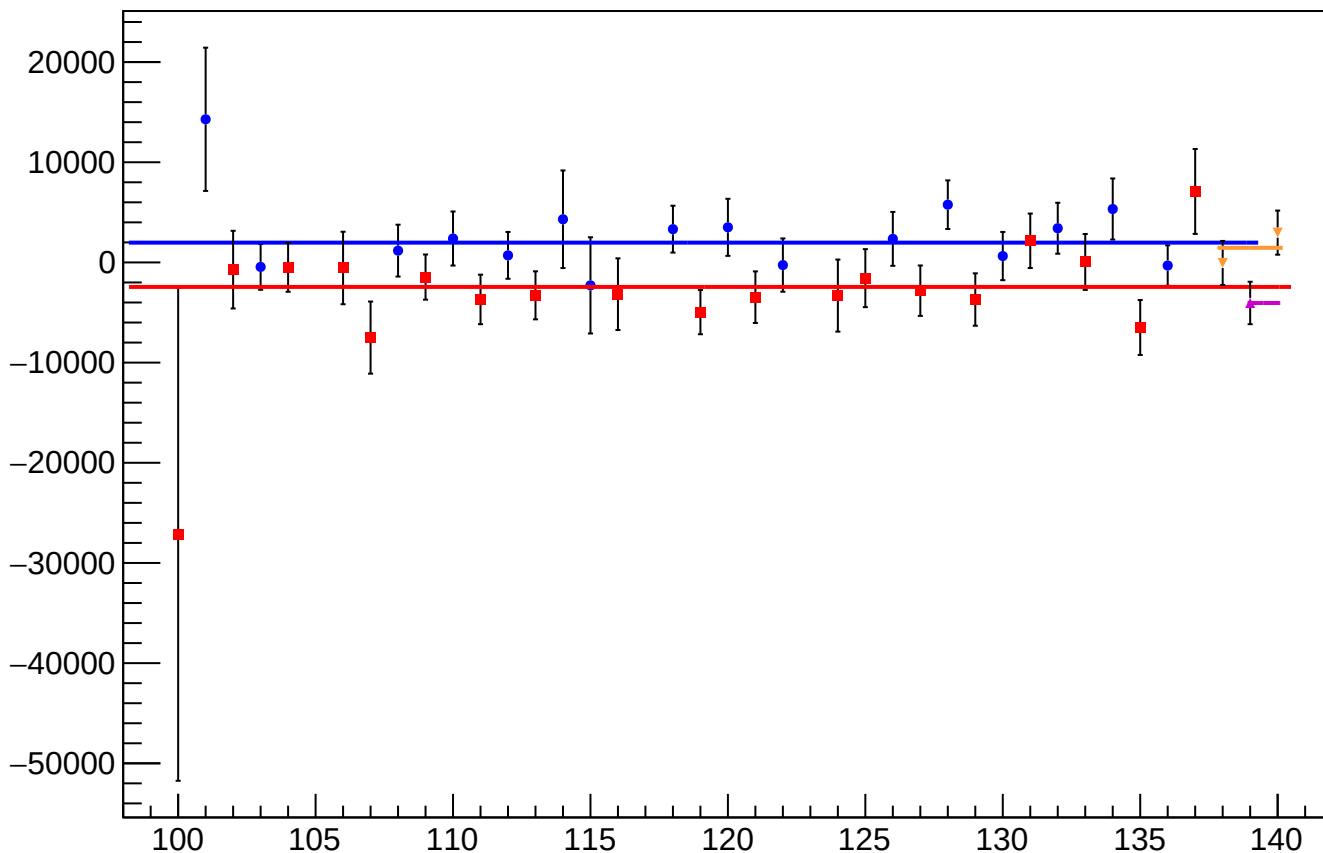
Right Out: 2779.630+/-0.756 χ^2/NDF : 1348141.7/18

All: 3050.760+/-0.550 χ^2/NDF : 3293622.7/37

- sign 2863.427+/-0.746 χ^2/NDF : 1800145.8/19

Left In: 5864.379+/-4.526 χ^2/NDF :0.0/0

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF : 12.4/15

Left Out: 1459.609+/-1554.889 χ^2/NDF : 0.9/1

Right Out: -2444.199+/-657.682 χ^2/NDF : 17.5/18

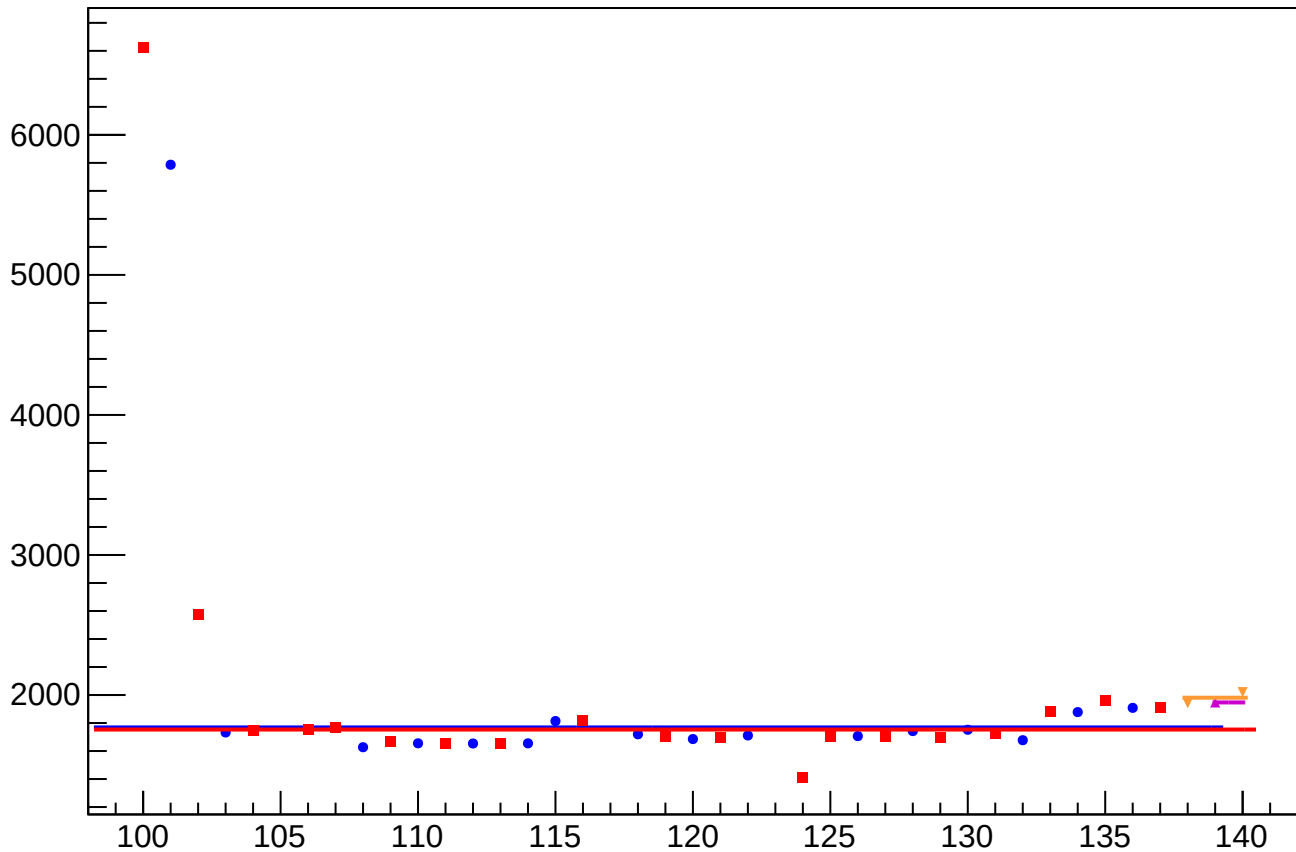
Left In: -4047.816+/-2117.916 χ^2/NDF : 0.0/0

+ sign 1894.137+/-618.468 χ^2/NDF : 13.5/17

All: -310.957+/-440.687 χ^2/NDF : 57.3/37

- sign -2585.237+/-628.095 χ^2/NDF : 18.0/19

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF : 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF :1306.1/1

Right Out: 1753.382+/-0.464 χ^2/NDF : 218864.3/18

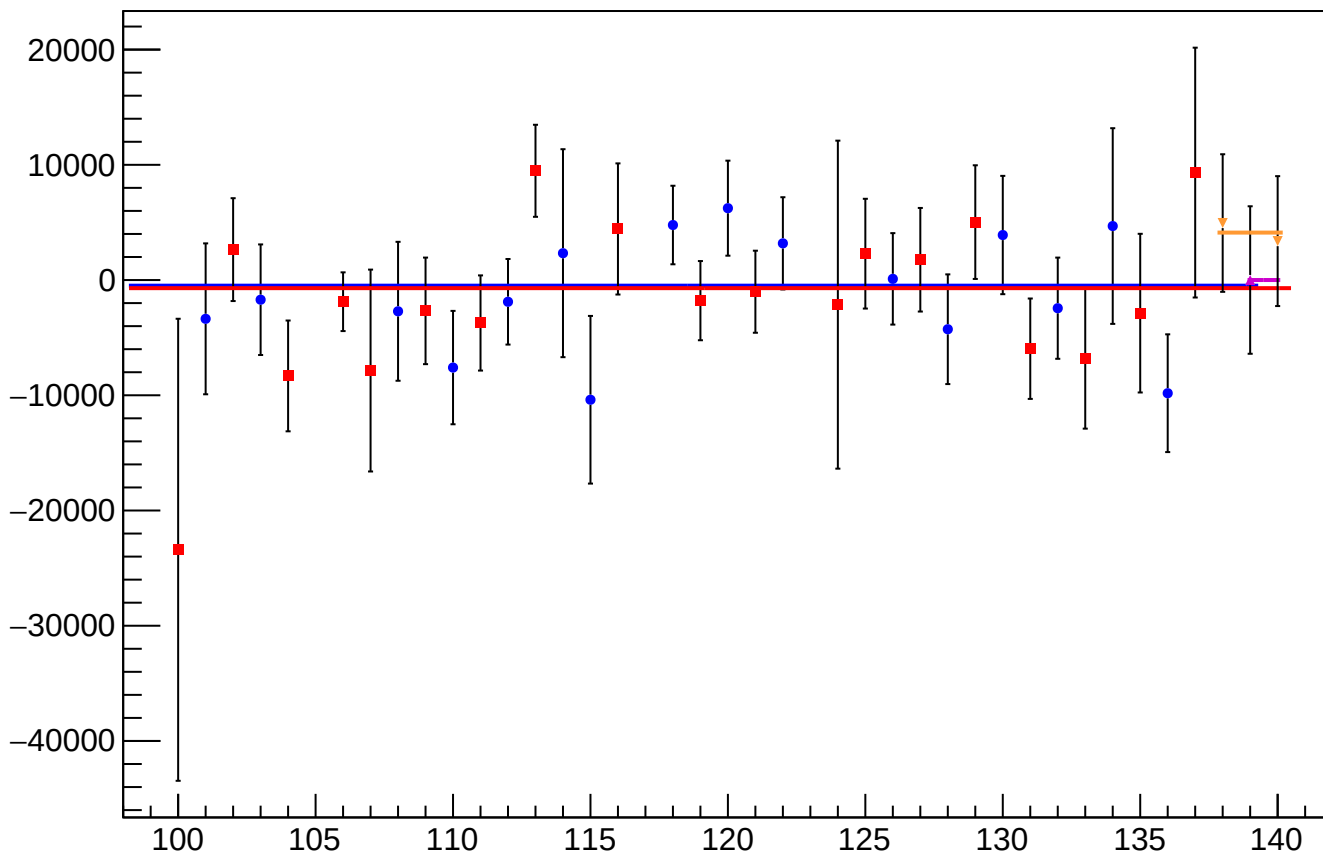
Left In: 1946.918+/-1.498 χ^2/NDF :0.0/0

+ sign 1802.067+/-0.437 χ^2/NDF : 700056.6/17

All: 1786.401+/-0.311 χ^2/NDF : 936760.2/37

- sign 1770.321+/-0.443 χ^2/NDF : 234103.3/19

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -488.098+/-1198.502 χ^2/NDF : 15.8/15

Left Out: 4118.771+/-4098.662 χ^2/NDF : 0.0/1

Right Out: -703.325+/-1069.463 χ^2/NDF : 18.8/18

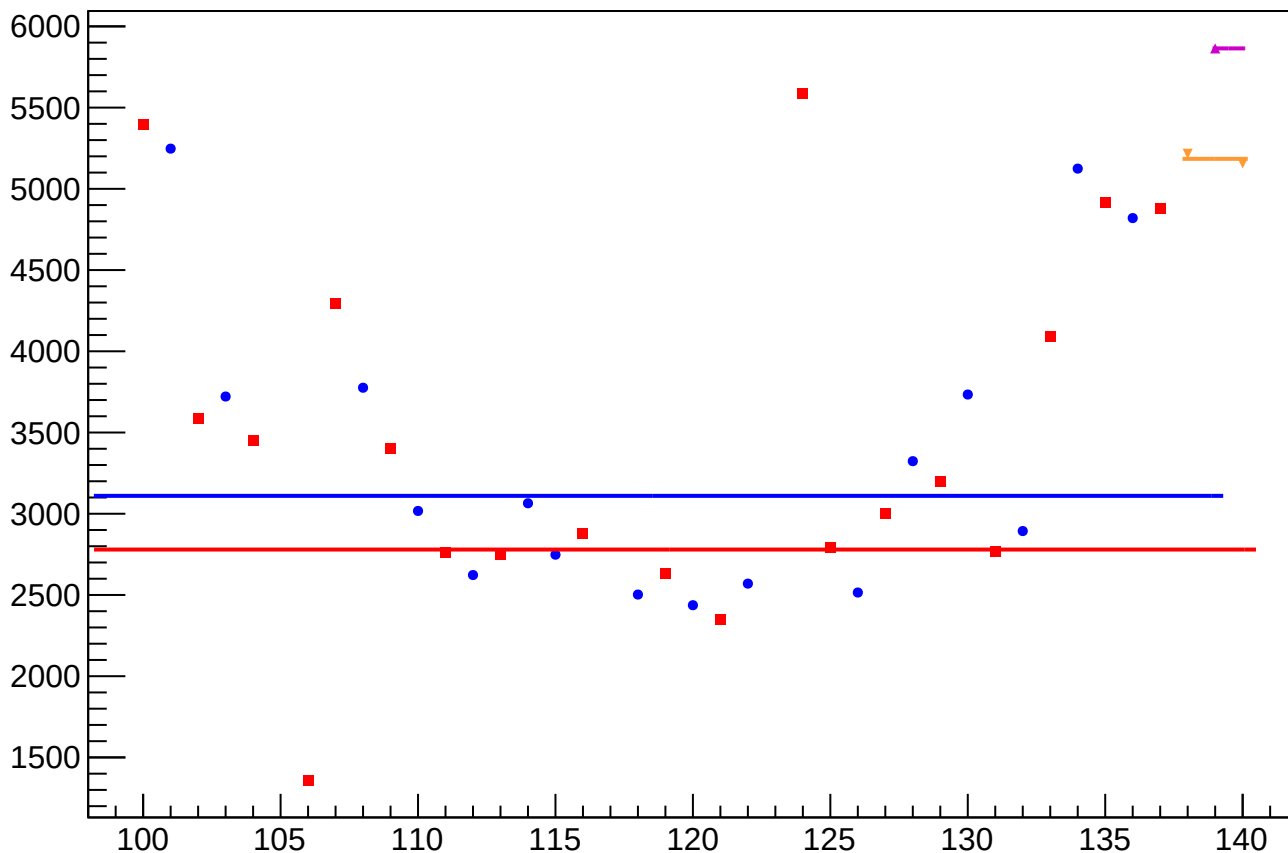
Left In: 2.510+/-6400.069 χ^2/NDF : 0.0/0

+ sign -125.215+/-1150.331 χ^2/NDF : 17.0/17

All: -428.842+/-777.454 χ^2/NDF : 35.9/37

- sign -684.152+/-1054.837 χ^2/NDF : 18.9/19

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF : 883272.2/15

Left Out: 5184.678+/-2.898 χ^2/NDF :103.9/1

+ sign 3273.534+/-0.813 χ^2/NDF : 1355400.3/17

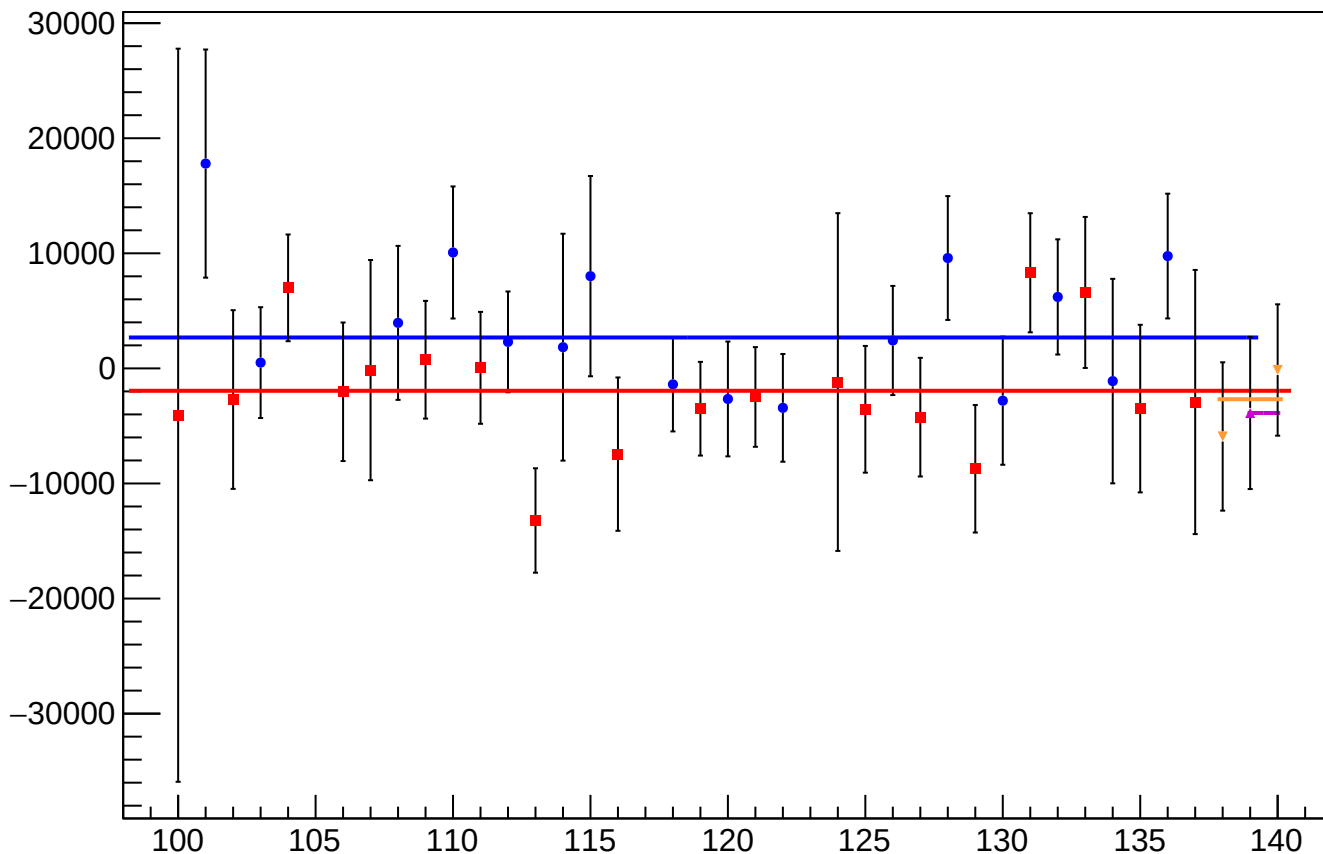
Right Out: 2779.617+/-0.756 χ^2/NDF : 1348160.7/18

All: 3050.747+/-0.550 χ^2/NDF : 3293669.5/37

- sign 2863.414+/-0.746 χ^2/NDF : 1800171.5/19

Left In: 5864.398+/-4.526 χ^2/NDF :0.0/0

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414 $\pm$ 1379.907 χ^2 /NDF: 13.5/15

Left Out: -2679.013 $\pm$ 4273.291 χ^2 /NDF: 0.5/1

Right Out: -1945.685 $\pm$ 1332.986 χ^2 /NDF: 18.7/18

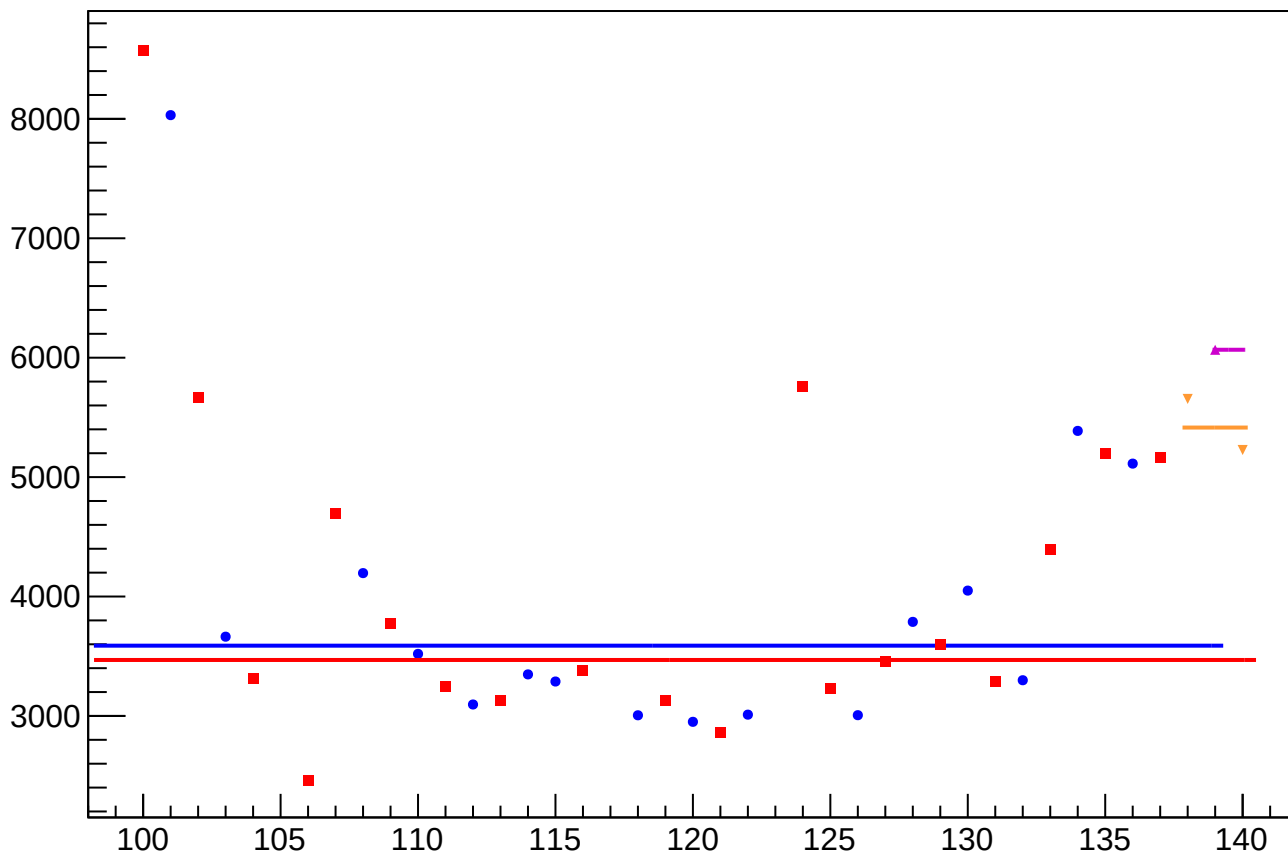
Left In: -3874.300 $\pm$ 6611.601 χ^2 /NDF: 0.0/0

+ sign 2178.866 $\pm$ 1313.141 χ^2 /NDF: 15.3/17

All: 68.588 $\pm$ 926.243 χ^2 /NDF: 39.3/37

- sign -2021.017 $\pm$ 1306.693 χ^2 /NDF: 18.8/19

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF : 845218.6/15

Left Out: 5414.988+/-3.022 χ^2/NDF : 4932.6/1

Right Out: 3468.624+/-0.928 χ^2/NDF : 666541.5/18

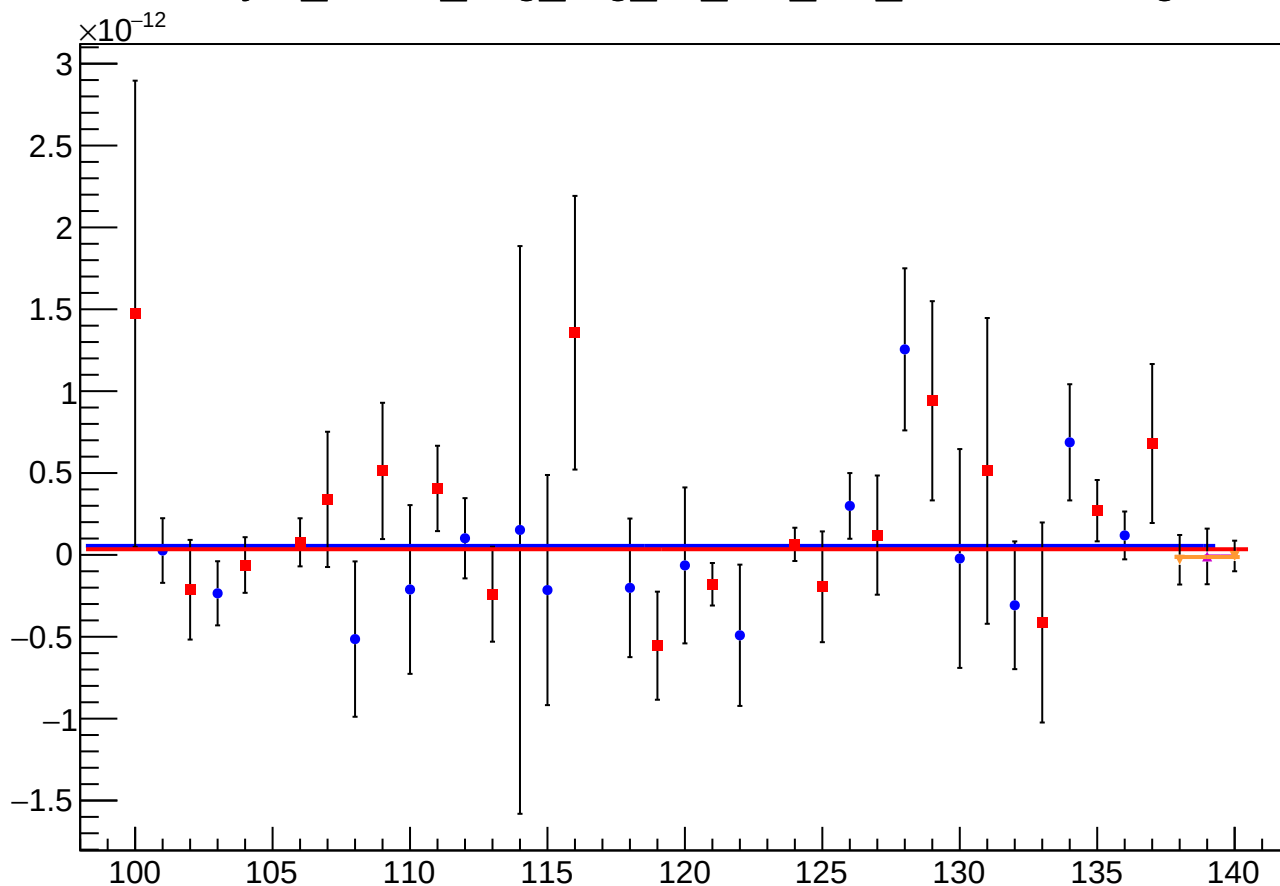
Left In: 6066.507+/-4.675 χ^2/NDF : 0.0/0

+ sign 3760.907+/-0.929 χ^2/NDF : 1181050.2/17

All: 3662.129+/-0.650 χ^2/NDF : 2166862.8/37

- sign 3567.155+/-0.910 χ^2/NDF : 963614.7/19

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 : 0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 22.3/18

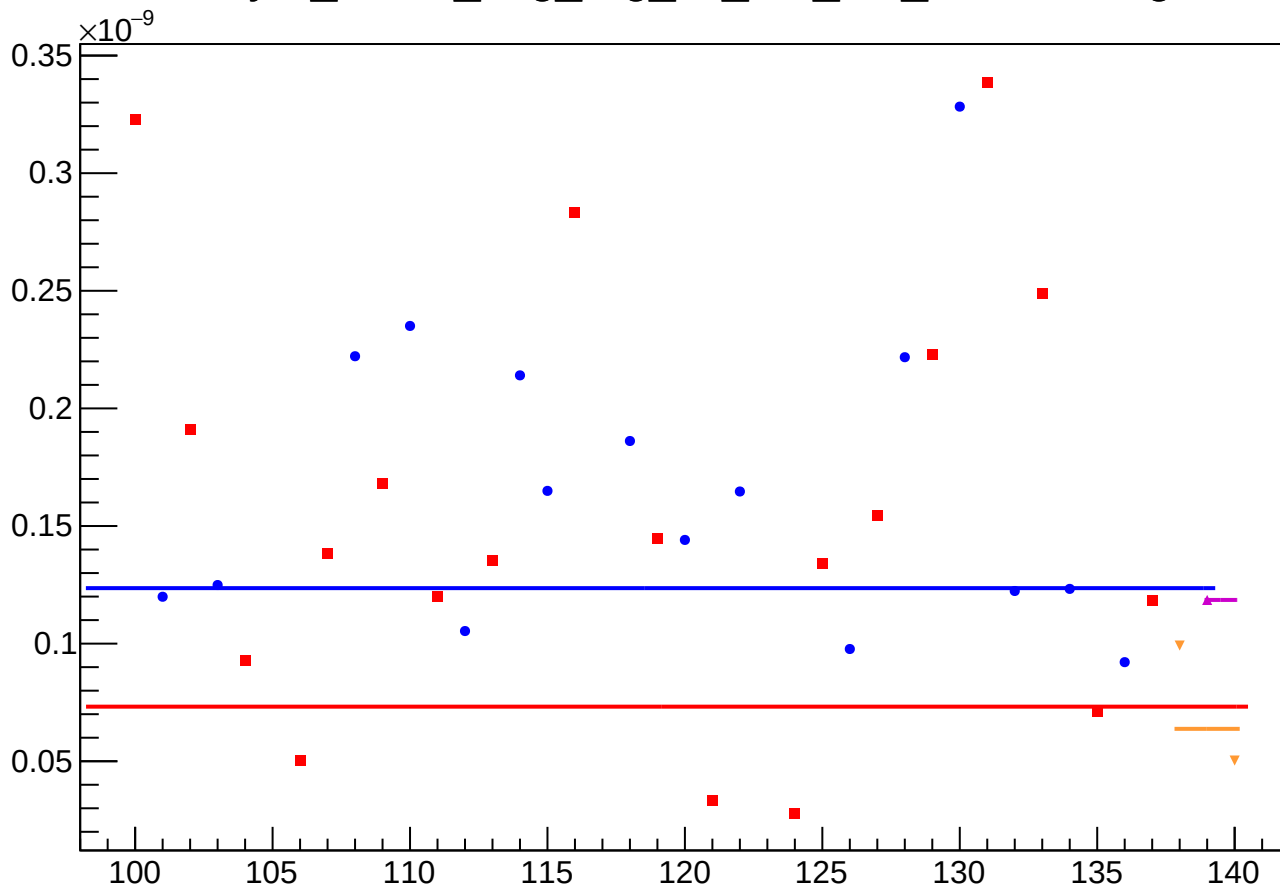
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 18.2/17

All: 0.000+/-0.000 χ^2/NDF : 40.5/37

- sign 0.000+/-0.000 χ^2/NDF : 22.3/19

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF :151206.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2188857.9/18

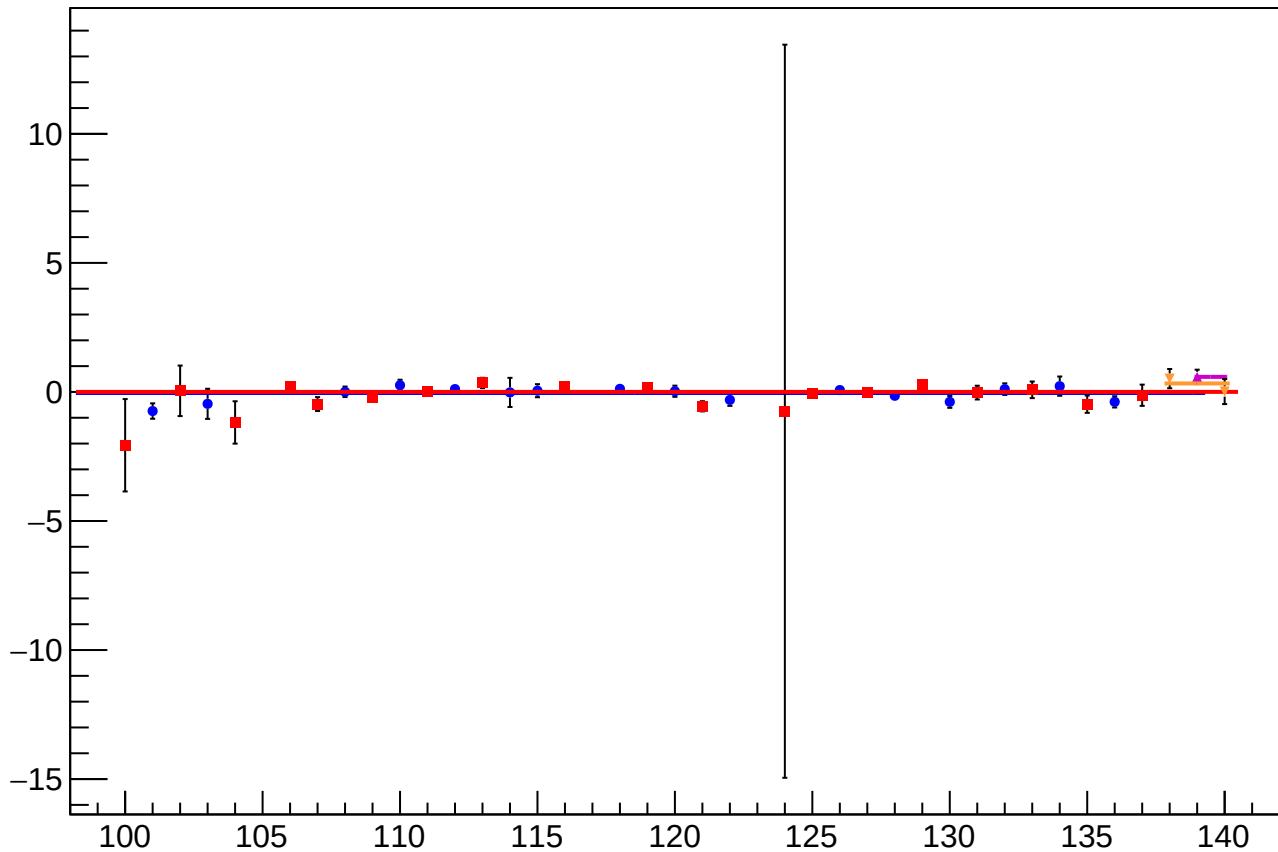
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1426778.1/17

All: 0.000+/-0.000 χ^2/NDF : 3875864.7/37

- sign 0.000+/-0.000 χ^2/NDF : 2318789.6/19

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: 0.330 ± 0.296 χ^2/NDF : 0.7/1

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

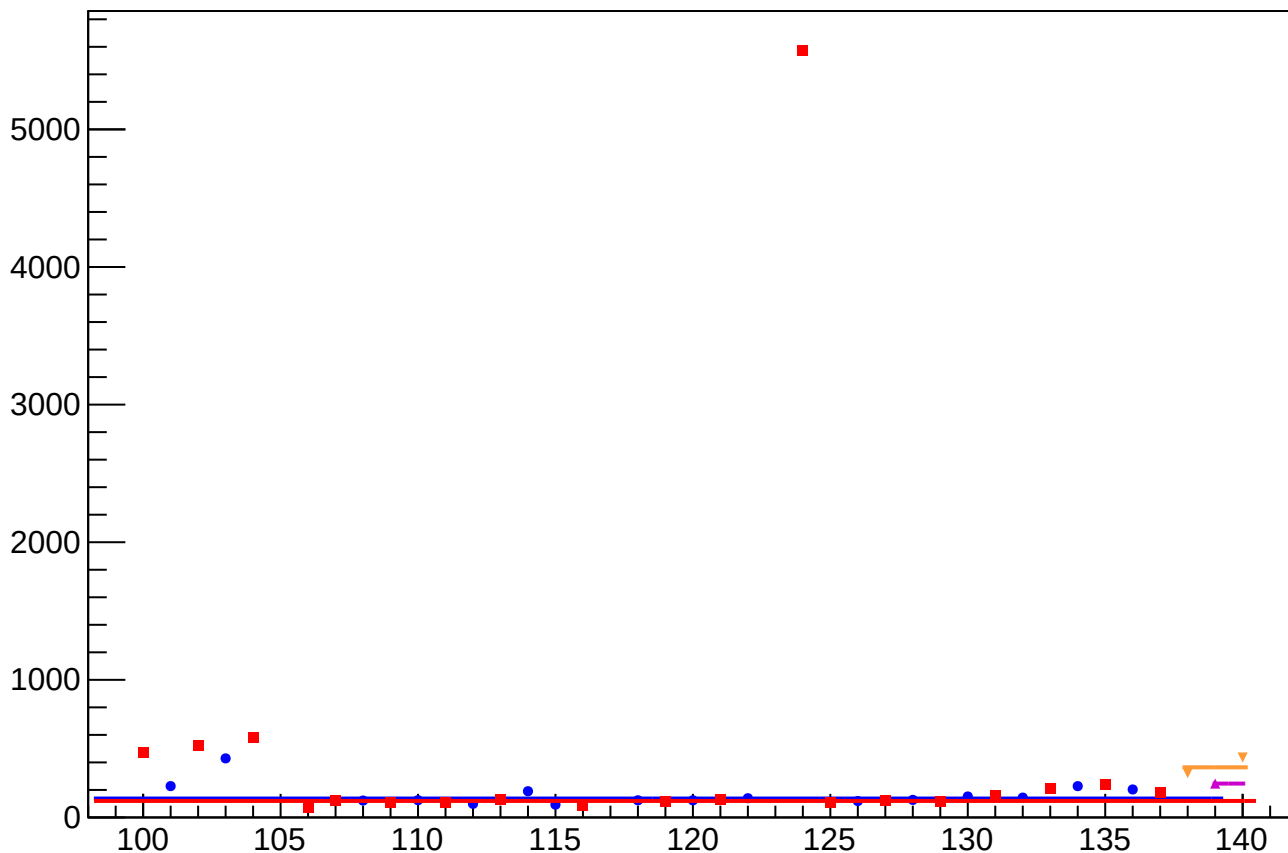
Left In: 0.584 ± 0.279 χ^2/NDF : 0.0/0

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.000 ± 0.037 χ^2/NDF : 53.5/37

- sign 0.022 ± 0.050 χ^2/NDF : 32.9/19

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399 $\pm$ 0.039 χ^2 /NDF: 1268257.0/15

Left Out: 364.283 $\pm$ 0.209 χ^2 /NDF: 68914.1/1

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139894.0/18

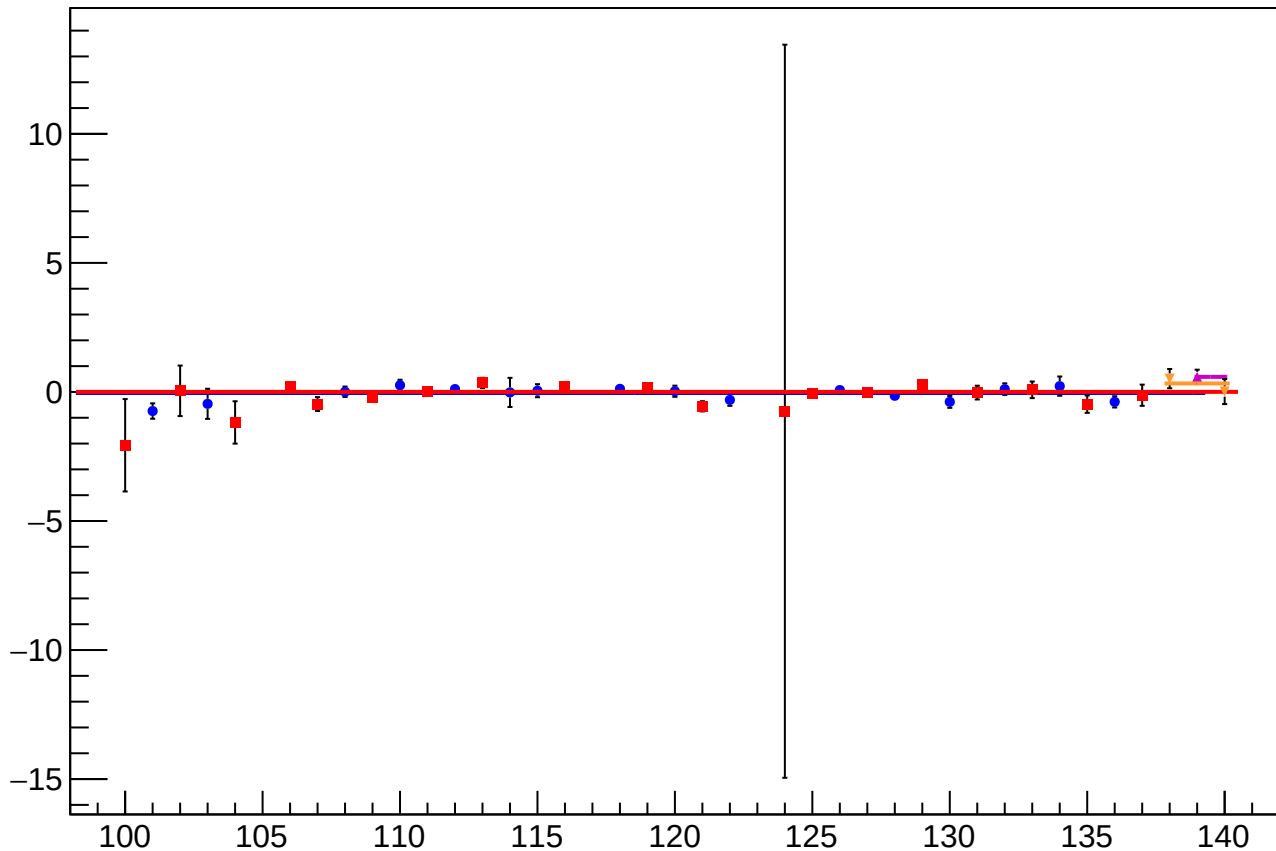
Left In: 246.121 $\pm$ 0.197 χ^2 /NDF: 0.0/0

+ sign 145.199 $\pm$ 0.039 χ^2 /NDF: 2473016.4/17

All: 133.683 $\pm$ 0.026 χ^2 /NDF: 5170484.1/37

- sign 124.076 $\pm$ 0.035 χ^2 /NDF: 2535772.1/19

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: 0.330 ± 0.296 χ^2/NDF : 0.7/1

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

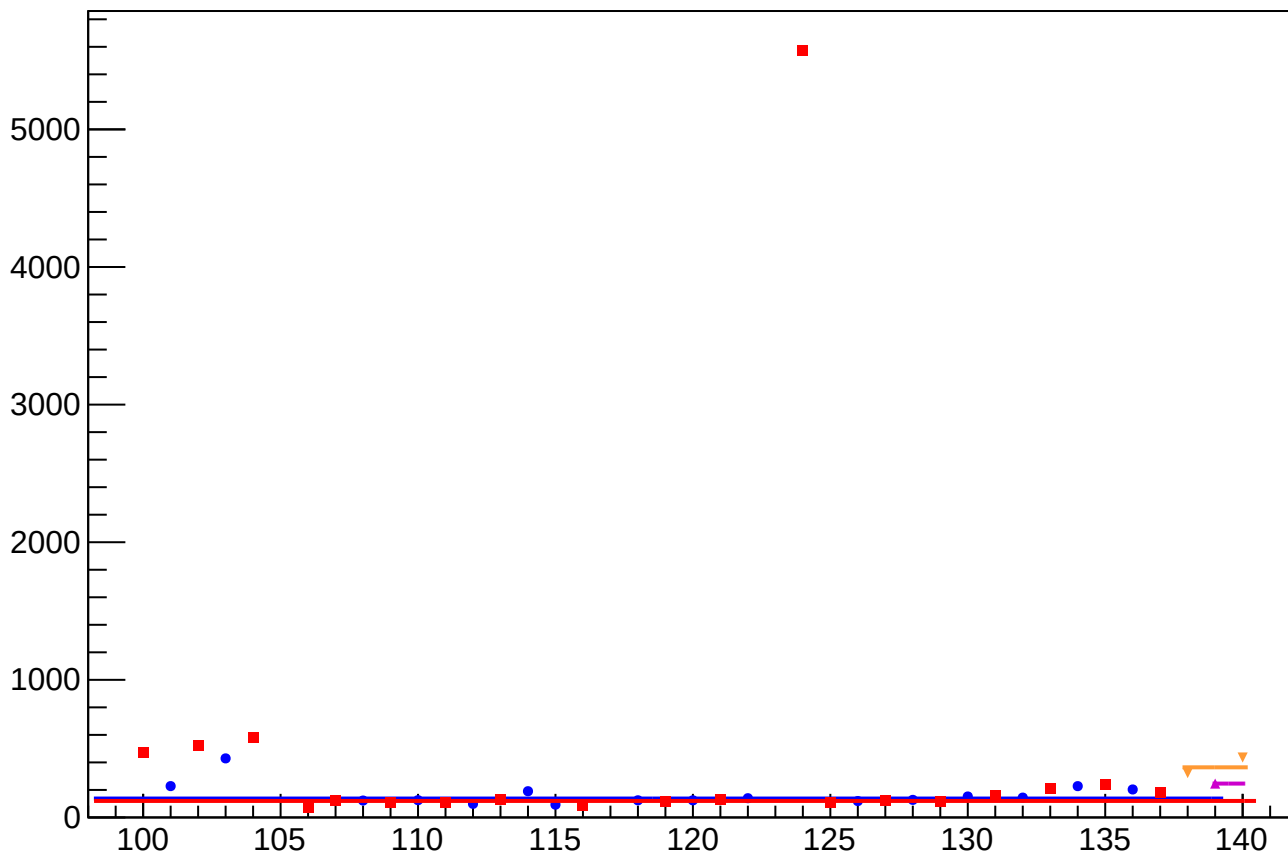
Left In: 0.584 ± 0.279 χ^2/NDF : 0.0/0

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.000 ± 0.037 χ^2/NDF : 53.5/37

- sign 0.022 ± 0.050 χ^2/NDF : 32.9/19

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: 364.283+/-0.209 χ^2/NDF : 68914.1/1

Right Out: 120.006+/-0.036 χ^2/NDF : 2139894.0/18

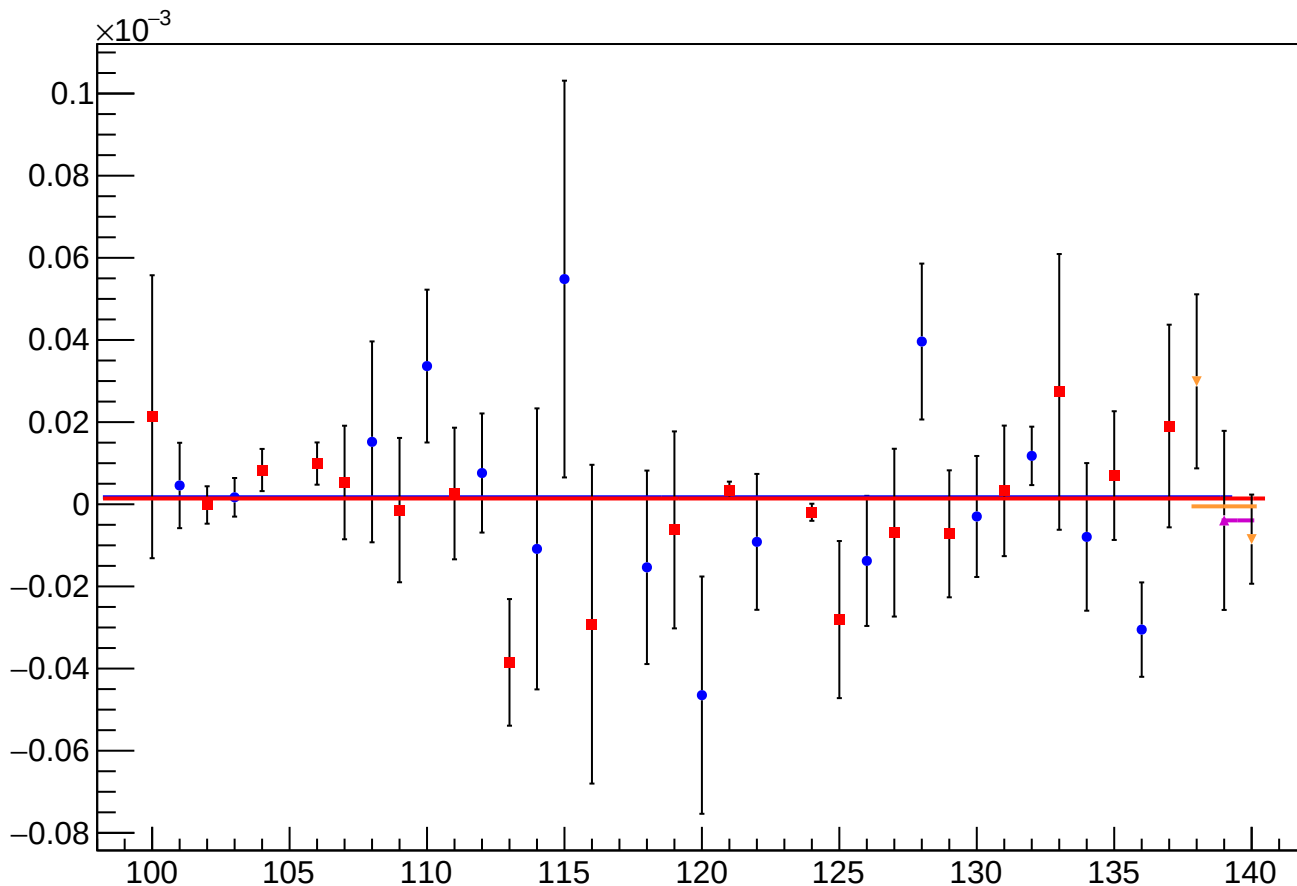
Left In: 246.121+/-0.197 χ^2/NDF : 0.0/0

+ sign 145.199+/-0.039 χ^2/NDF : 2473016.4/17

All: 133.683+/-0.026 χ^2/NDF : 5170484.1/37

- sign 124.076+/-0.035 χ^2/NDF : 2535772.1/19

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/18

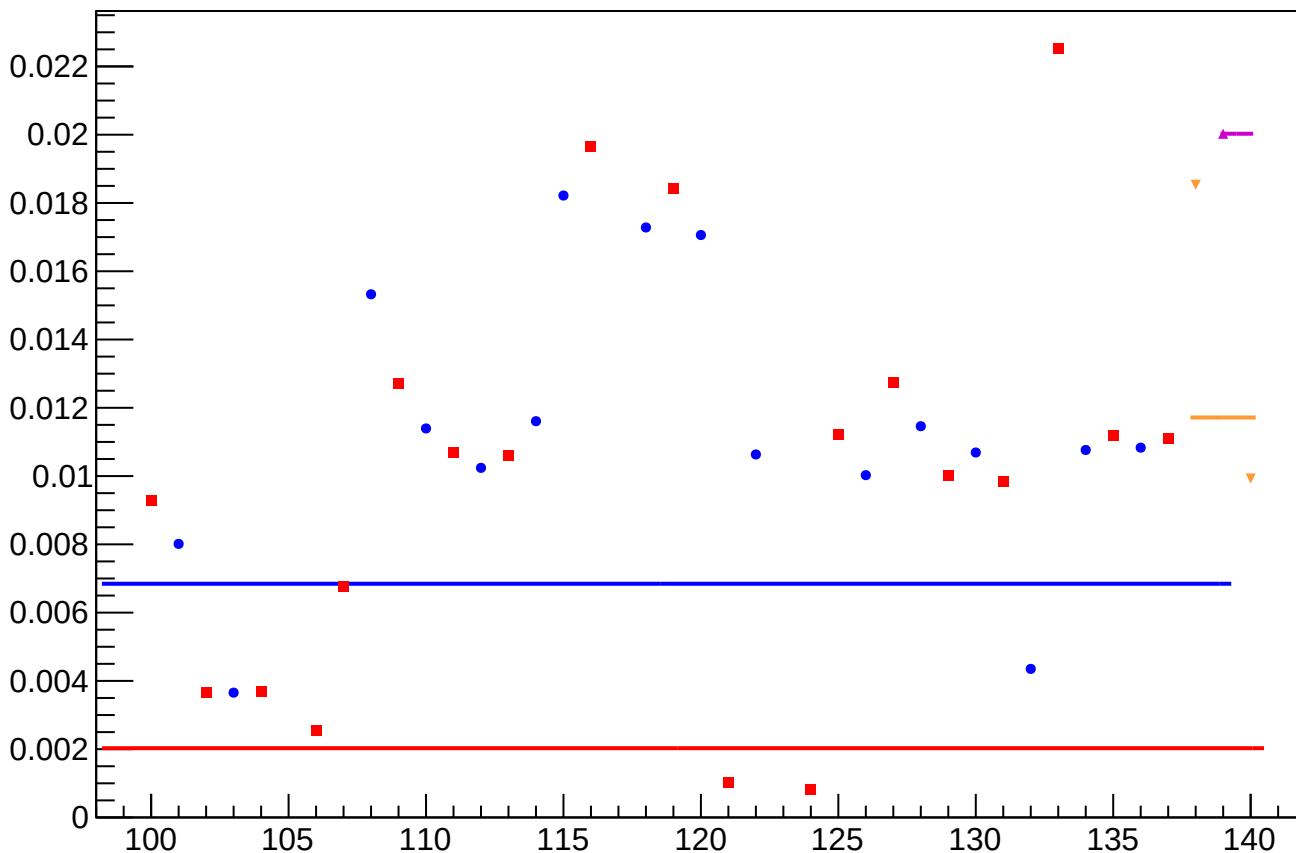
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/19

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: 0.012+/-0.000 χ^2/NDF : 261214.6/1

Right Out: 0.002+/-0.000 χ^2/NDF : 9007527.0/18

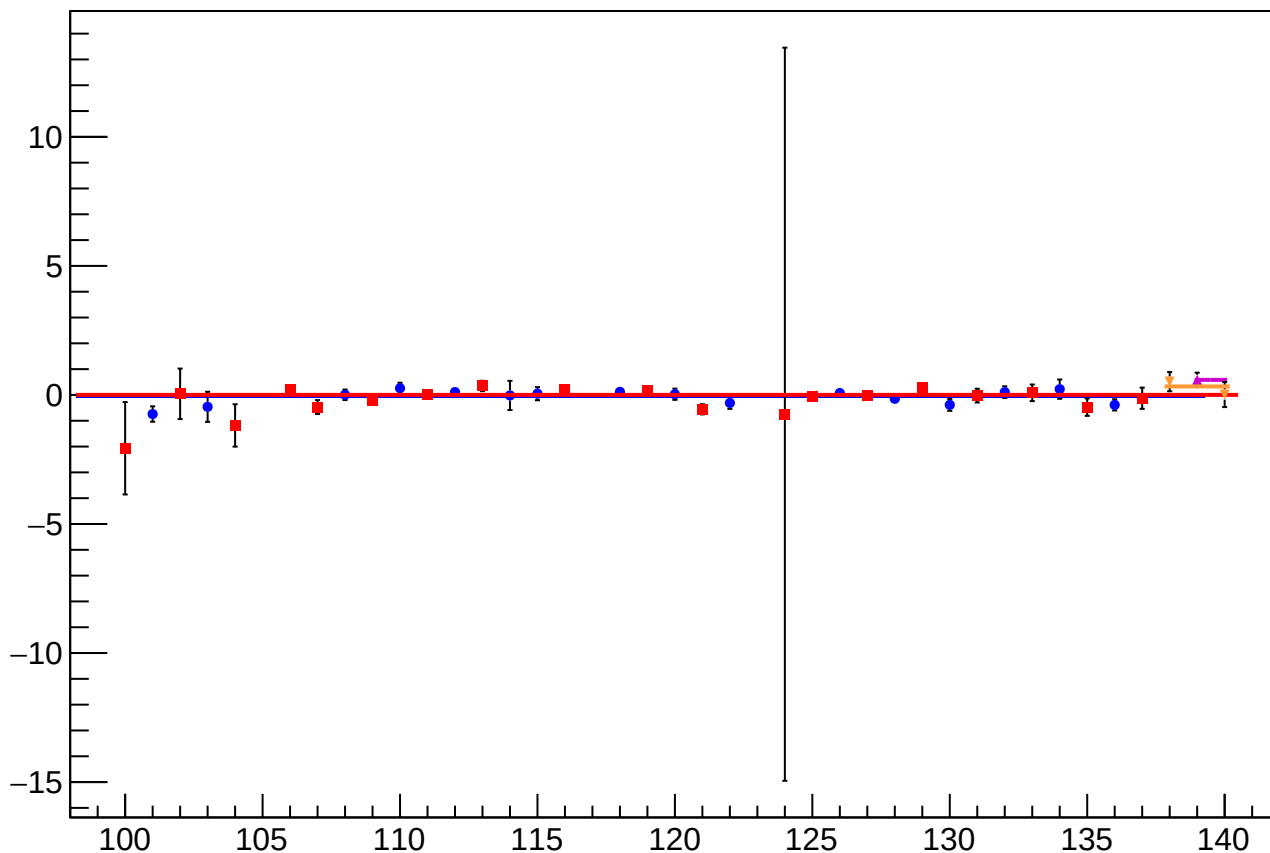
Left In: 0.020+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 3955845.2/17

All: 0.003+/-0.000 χ^2/NDF : 19895544.9/37

- sign 0.002+/-0.000 χ^2/NDF : 10366506.9/19

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: 0.330 ± 0.296 χ^2/NDF : 0.7/1

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

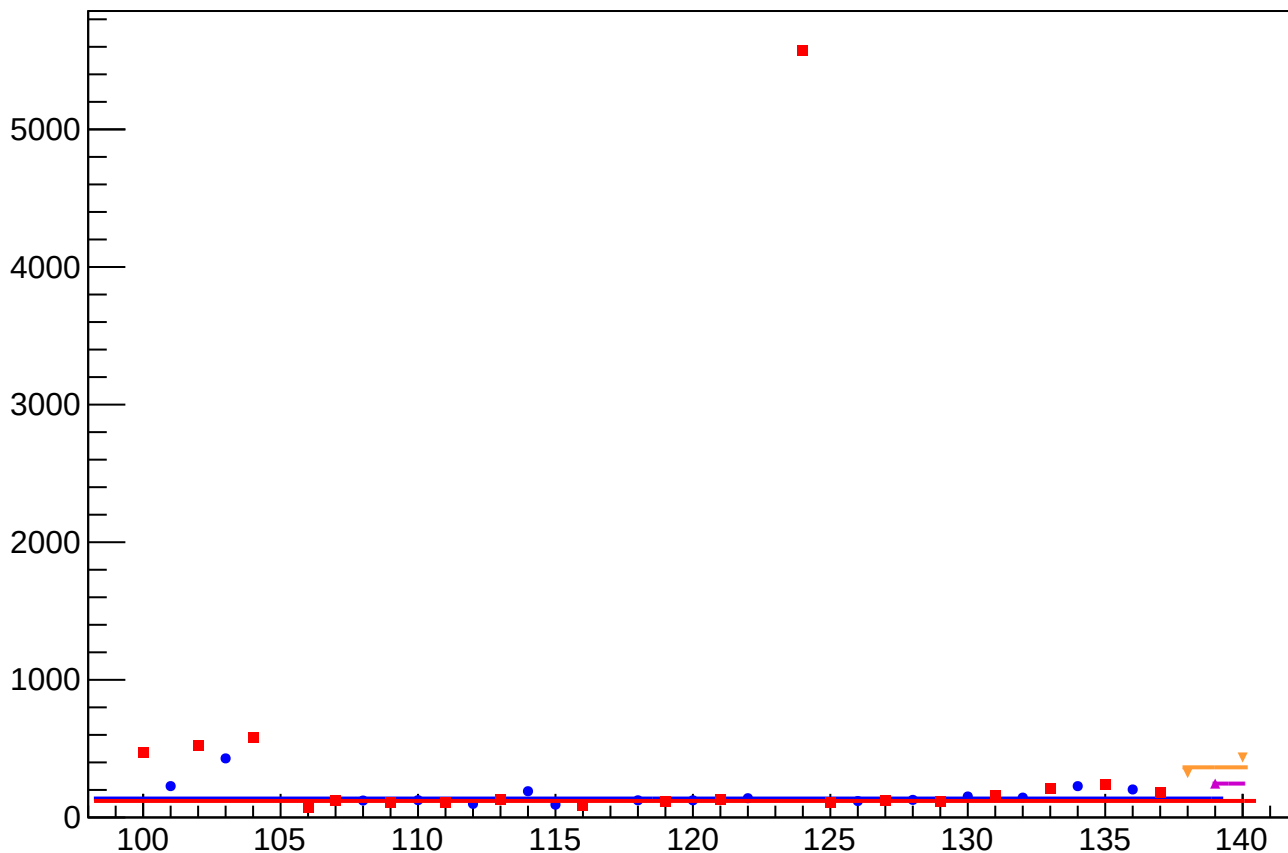
Left In: 0.584 ± 0.279 χ^2/NDF : 0.0/0

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.000 ± 0.037 χ^2/NDF : 53.5/37

- sign 0.022 ± 0.050 χ^2/NDF : 32.9/19

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400 $\pm$ 0.039 χ^2 /NDF: 1268197.9/15

Left Out: 364.286 $\pm$ 0.209 χ^2 /NDF: 68917.7/1

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139820.8/18

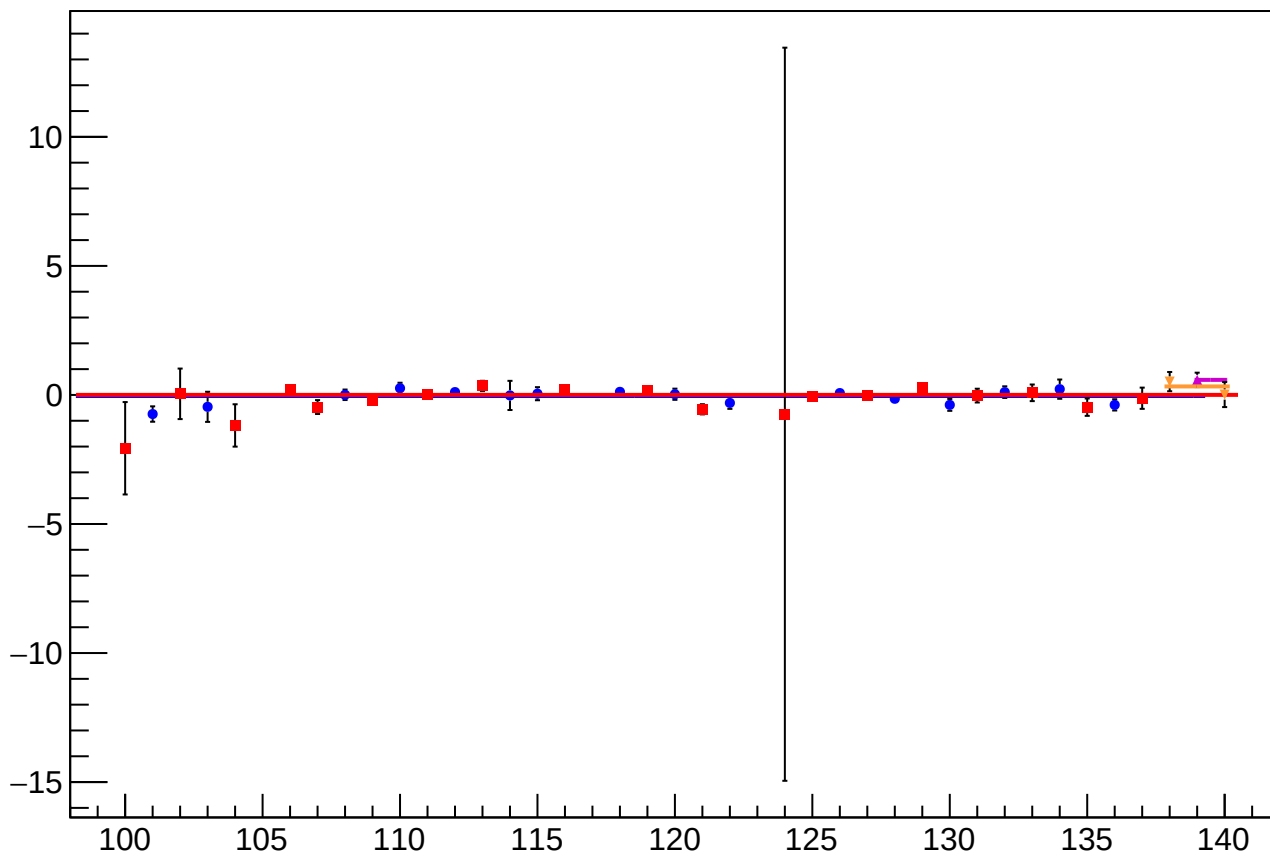
Left In: 246.129 $\pm$ 0.197 χ^2 /NDF: 0.0/0

+ sign 145.200 $\pm$ 0.039 χ^2 /NDF: 2472962.7/17

All: 133.683 $\pm$ 0.026 χ^2 /NDF: 5170394.4/37

- sign 124.076 $\pm$ 0.035 χ^2 /NDF: 2535722.6/19

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: 0.330 ± 0.296 χ^2/NDF : 0.7/1

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

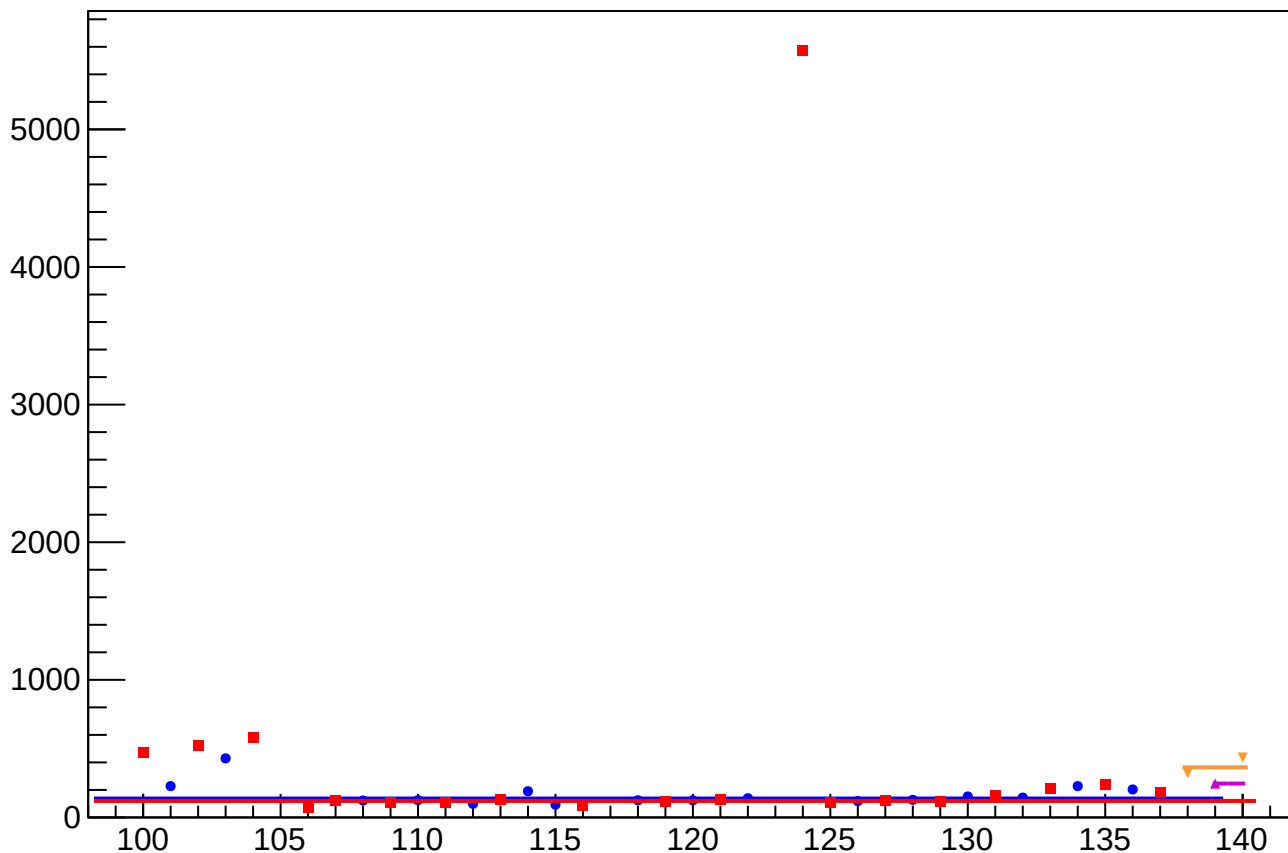
Left In: 0.584 ± 0.279 χ^2/NDF : 0.0/0

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.000 ± 0.037 χ^2/NDF : 53.5/37

- sign 0.022 ± 0.050 χ^2/NDF : 32.9/19

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.400 $\pm$ 0.039 χ^2 /NDF: 1268197.9/15

Left Out: 364.286 $\pm$ 0.209 χ^2 /NDF: 68917.7/1

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139820.8/18

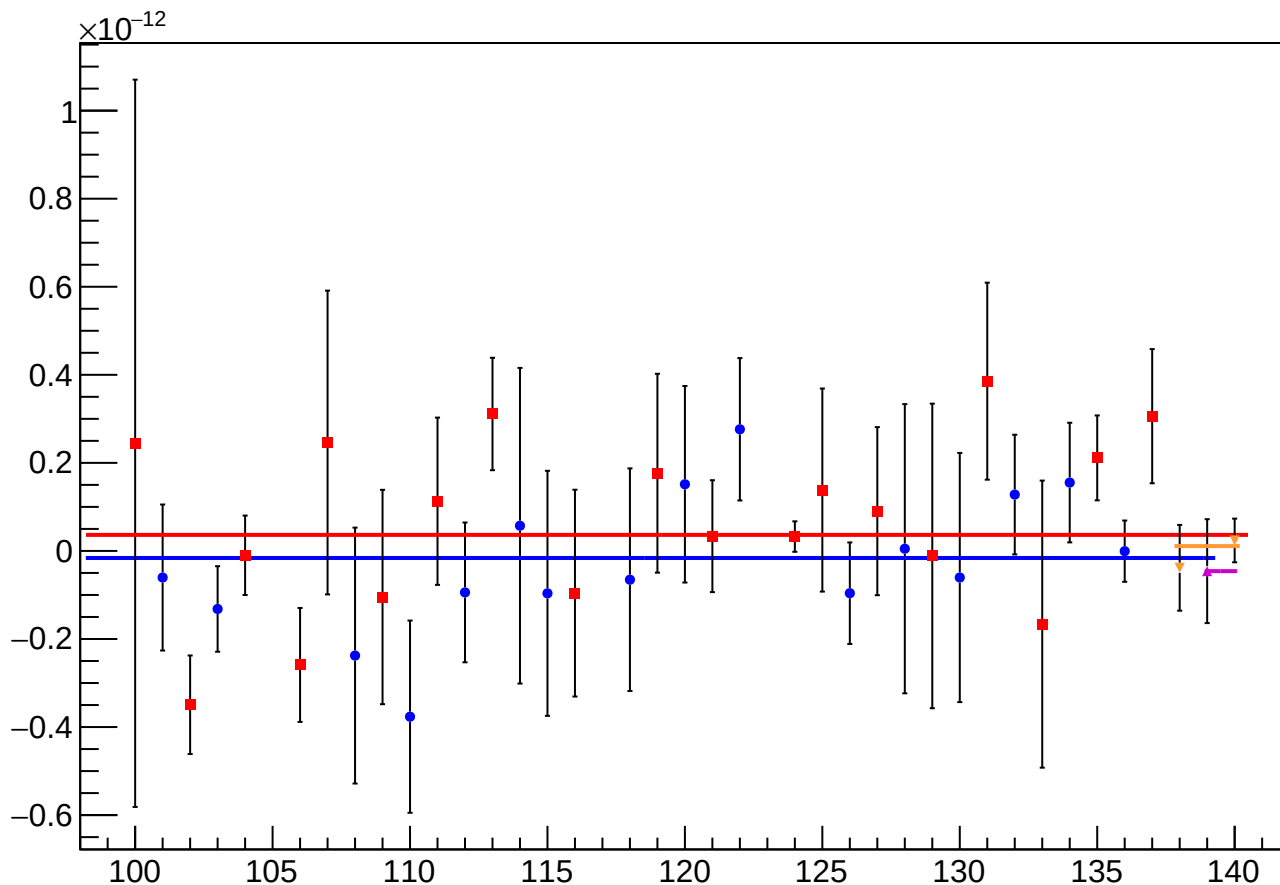
Left In: 246.129 $\pm$ 0.197 χ^2 /NDF: 0.0/0

+ sign 145.200 $\pm$ 0.039 χ^2 /NDF: 2472962.7/17

All: 133.683 $\pm$ 0.026 χ^2 /NDF: 5170394.4/37

- sign 124.076 $\pm$ 0.035 χ^2 /NDF: 2535722.6/19

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 33.2/18

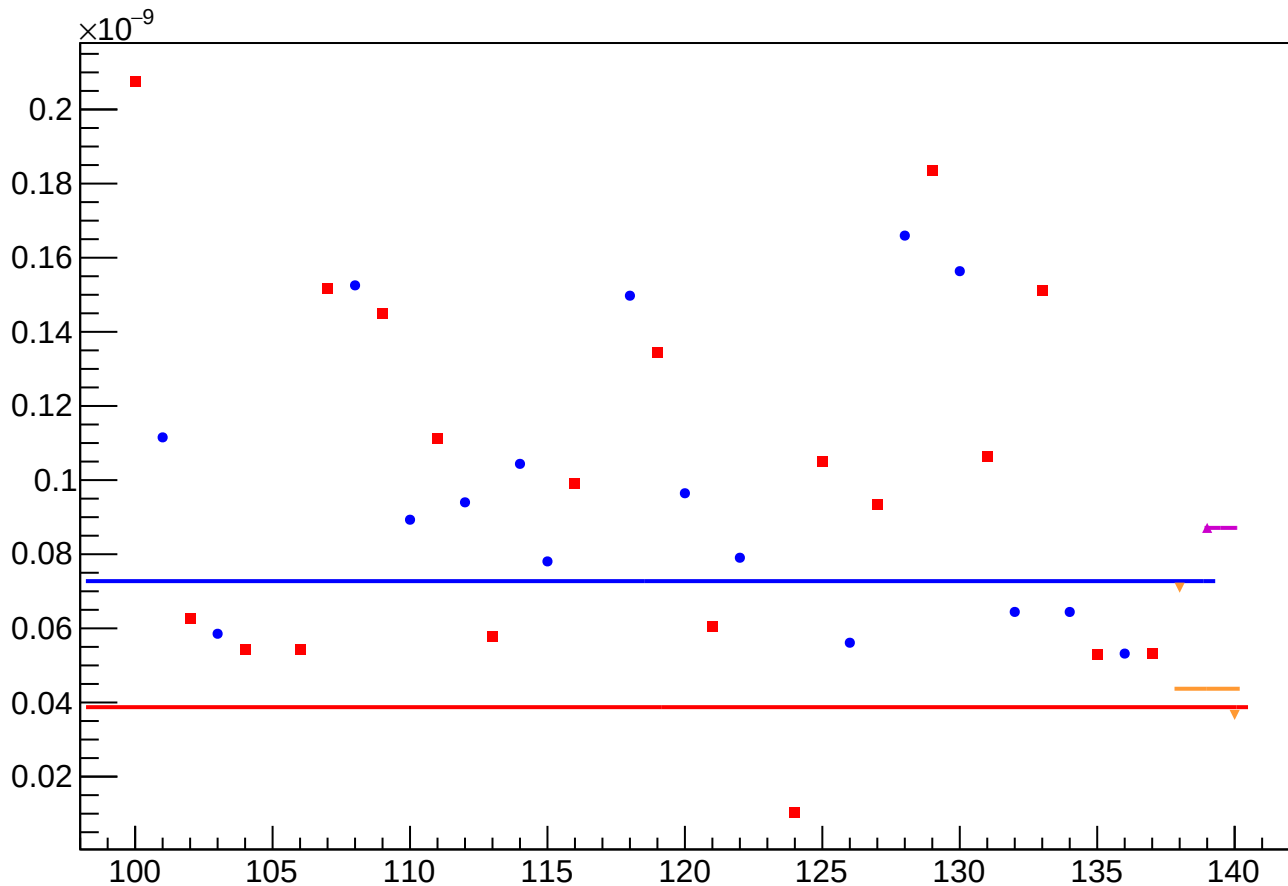
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 12.9/17

All: 0.000 ± 0.000 χ^2/NDF : 47.5/37

- sign 0.000 ± 0.000 χ^2/NDF : 33.6/19

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 197306.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4266020.5/18

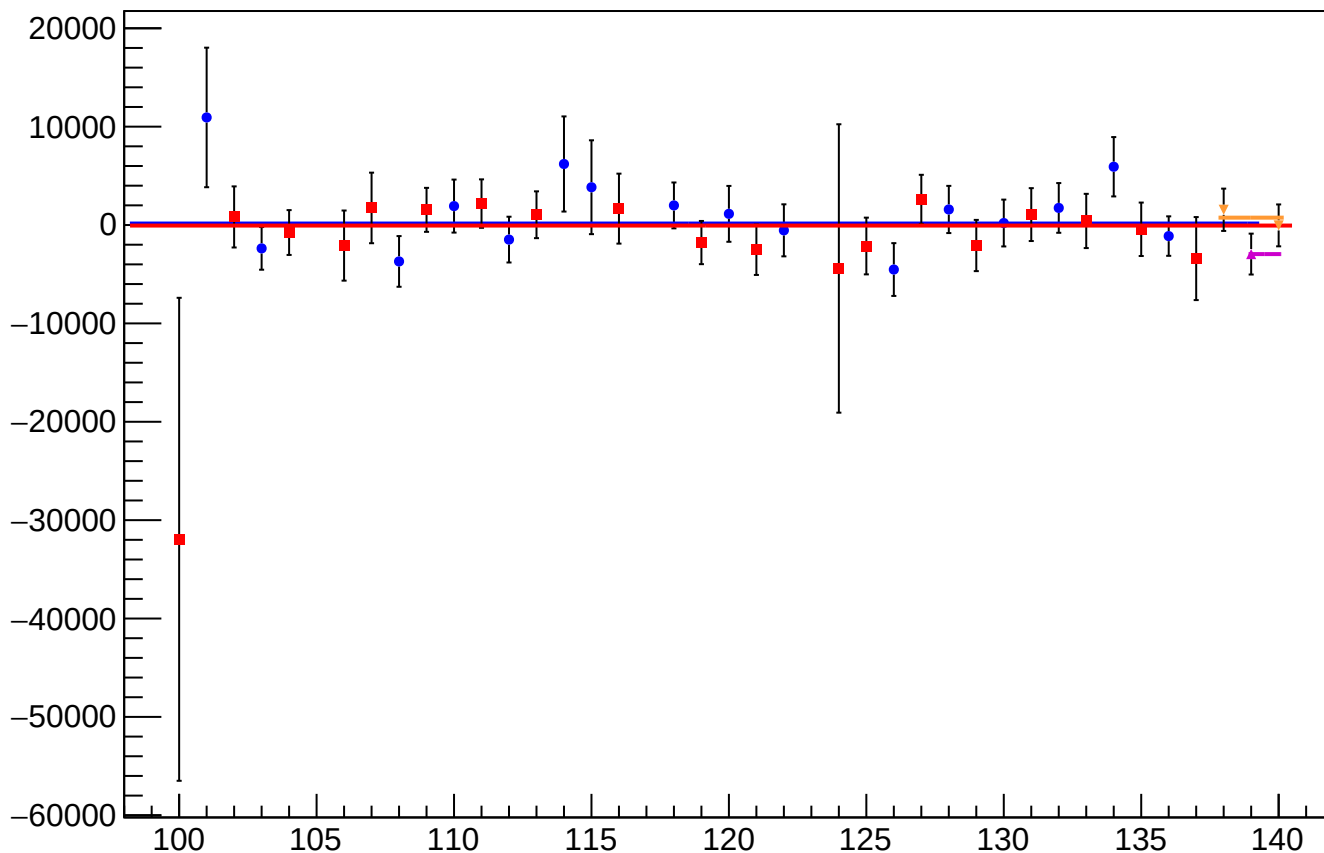
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1830234.1/17

All: 0.000+/-0.000 χ^2/NDF : 6966922.1/37

- sign 0.000+/-0.000 χ^2/NDF : 4587241.3/19

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722 $\pm$ 667.029 χ^2 /NDF: 17.7/15

Left Out: 749.631 $\pm$ 1512.984 χ^2 /NDF: 0.3/1

Right Out: -54.106 $\pm$ 655.266 χ^2 /NDF: 9.0/18

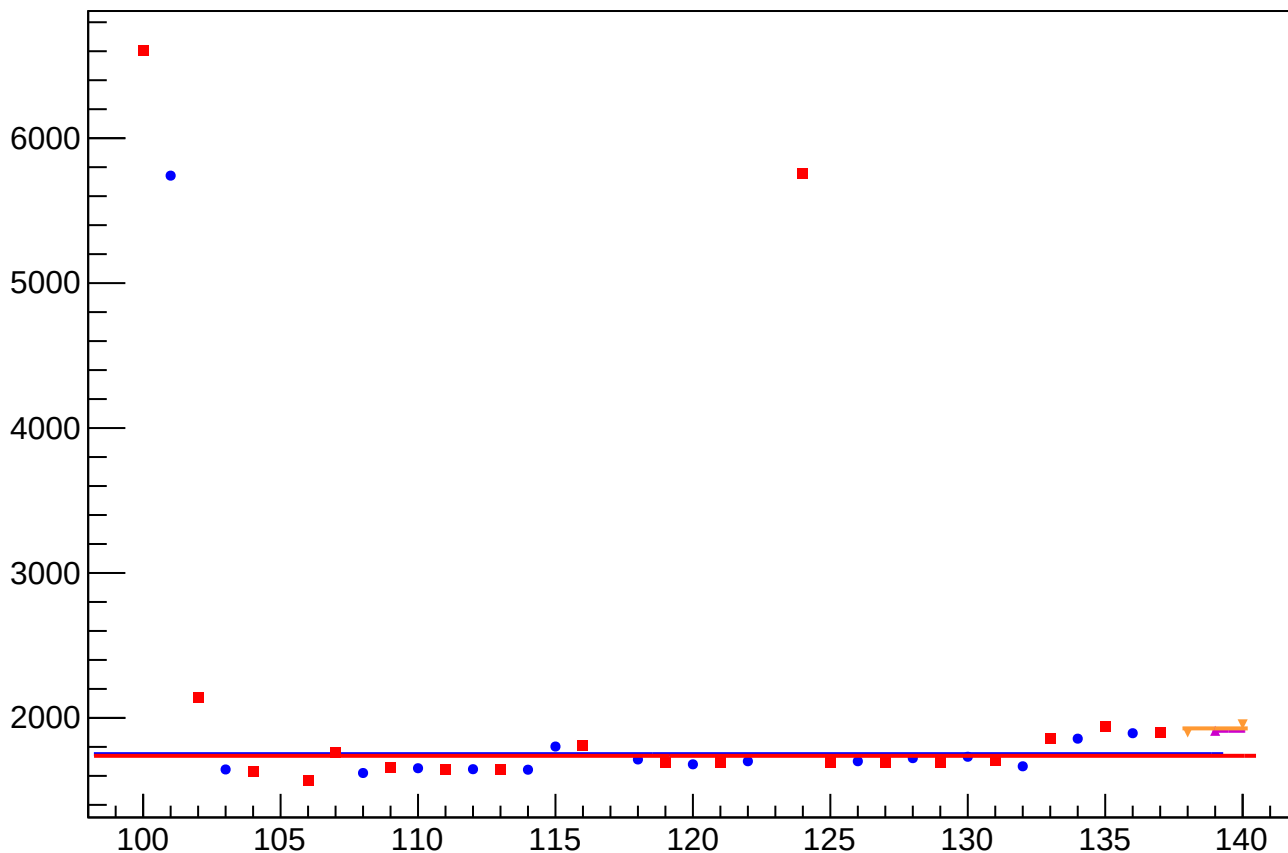
Left In: -2953.778 $\pm$ 2078.076 χ^2 /NDF: 0.0/0

+ sign 248.186 $\pm$ 610.346 χ^2 /NDF: 18.1/17

All: -27.413 $\pm$ 436.646 χ^2 /NDF: 29.2/37

- sign -316.343 $\pm$ 624.934 χ^2 /NDF: 10.7/19

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864 $\pm$ 0.472 χ^2 /NDF: 669576.0/15

Left Out: 1927.695 $\pm$ 1.070 χ^2 /NDF:682.7/1

Right Out: 1738.493 $\pm$ 0.460 χ^2 /NDF: 304493.3/18

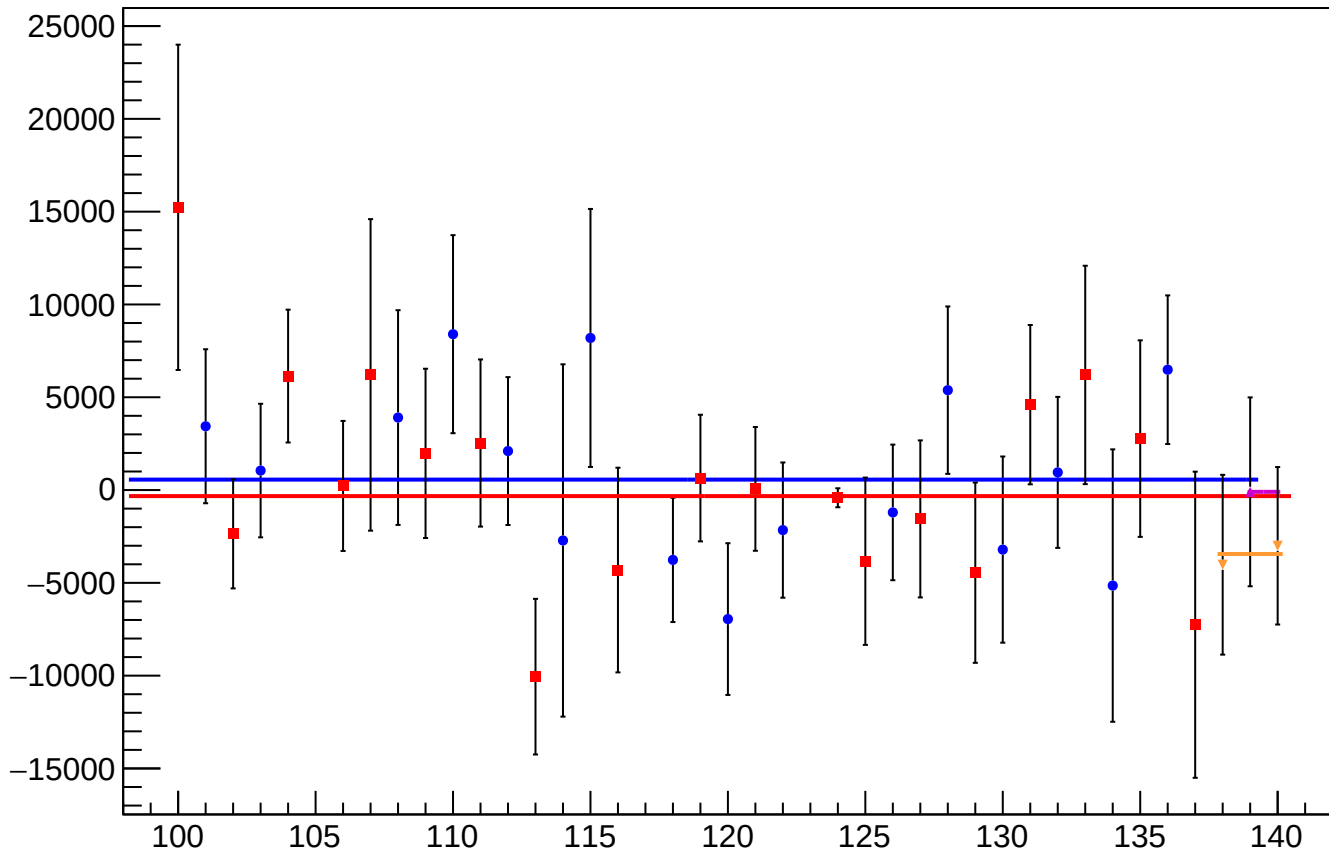
Left In: 1911.146 $\pm$ 1.469 χ^2 /NDF:0.0/0

+ sign 1778.804 $\pm$ 0.432 χ^2 /NDF: 693391.8/17

All: 1766.562 $\pm$ 0.308 χ^2 /NDF: 1012095.6/37

- sign 1753.900 $\pm$ 0.439 χ^2 /NDF: 317067.1/19

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339 ± 1101.163 $\chi^2/\text{NDF}: 14.8/15$

Left Out: -3445.864 ± 3191.395 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -325.567 ± 457.948 $\chi^2/\text{NDF}: 19.2/18$

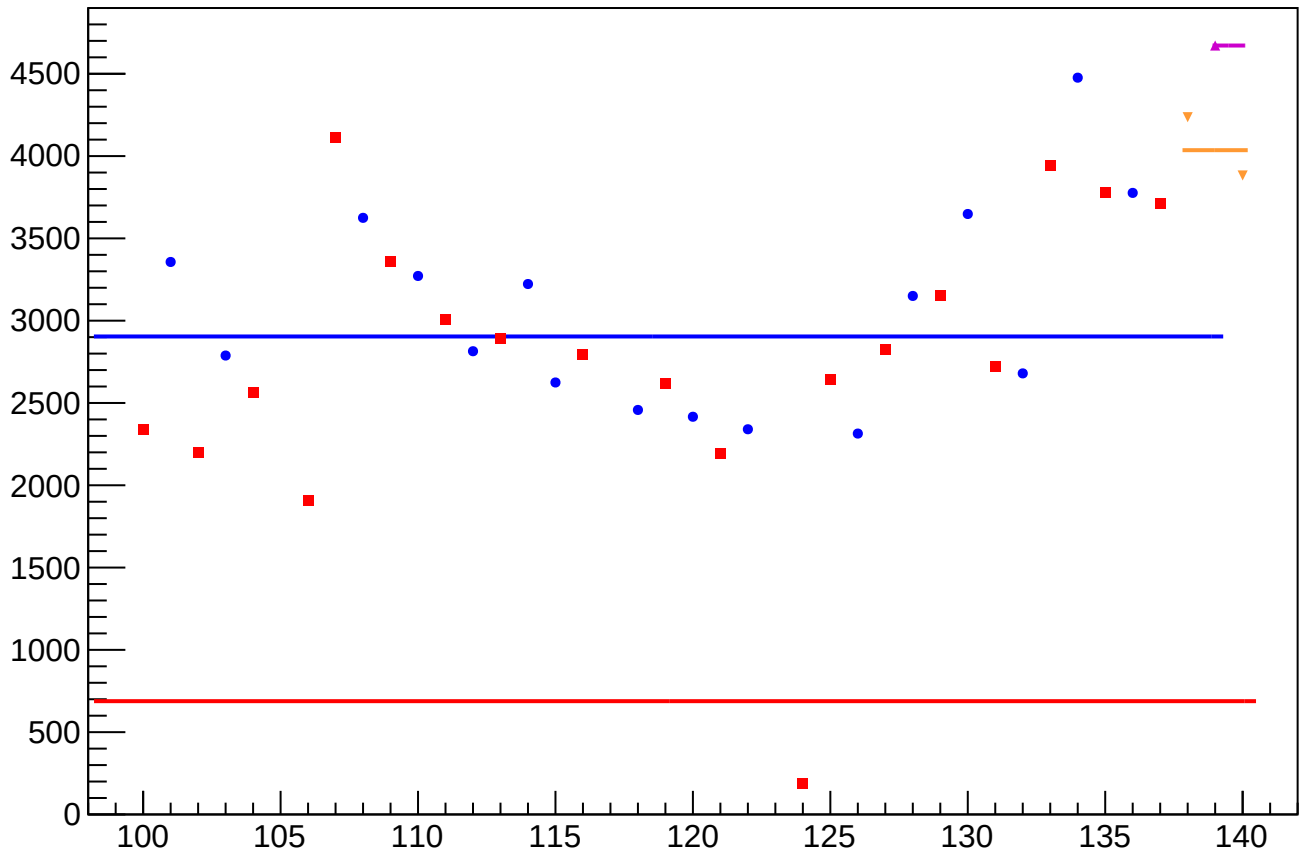
Left In: -95.904 ± 5088.241 $\chi^2/\text{NDF}: 0.0/0$

+ sign 135.916 ± 1040.941 $\chi^2/\text{NDF}: 16.2/17$

All: -249.689 ± 417.761 $\chi^2/\text{NDF}: 35.6/37$

- sign -323.721 ± 456.105 $\chi^2/\text{NDF}: 19.2/19$

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059 $\pm$ 0.779 χ^2 /NDF: 479774.3/15

Left Out: 4035.912 $\pm$ 2.257 χ^2 /NDF:6042.7/1

Right Out: 688.319 $\pm$ 0.324 χ^2 /NDF: 10148914.1/18

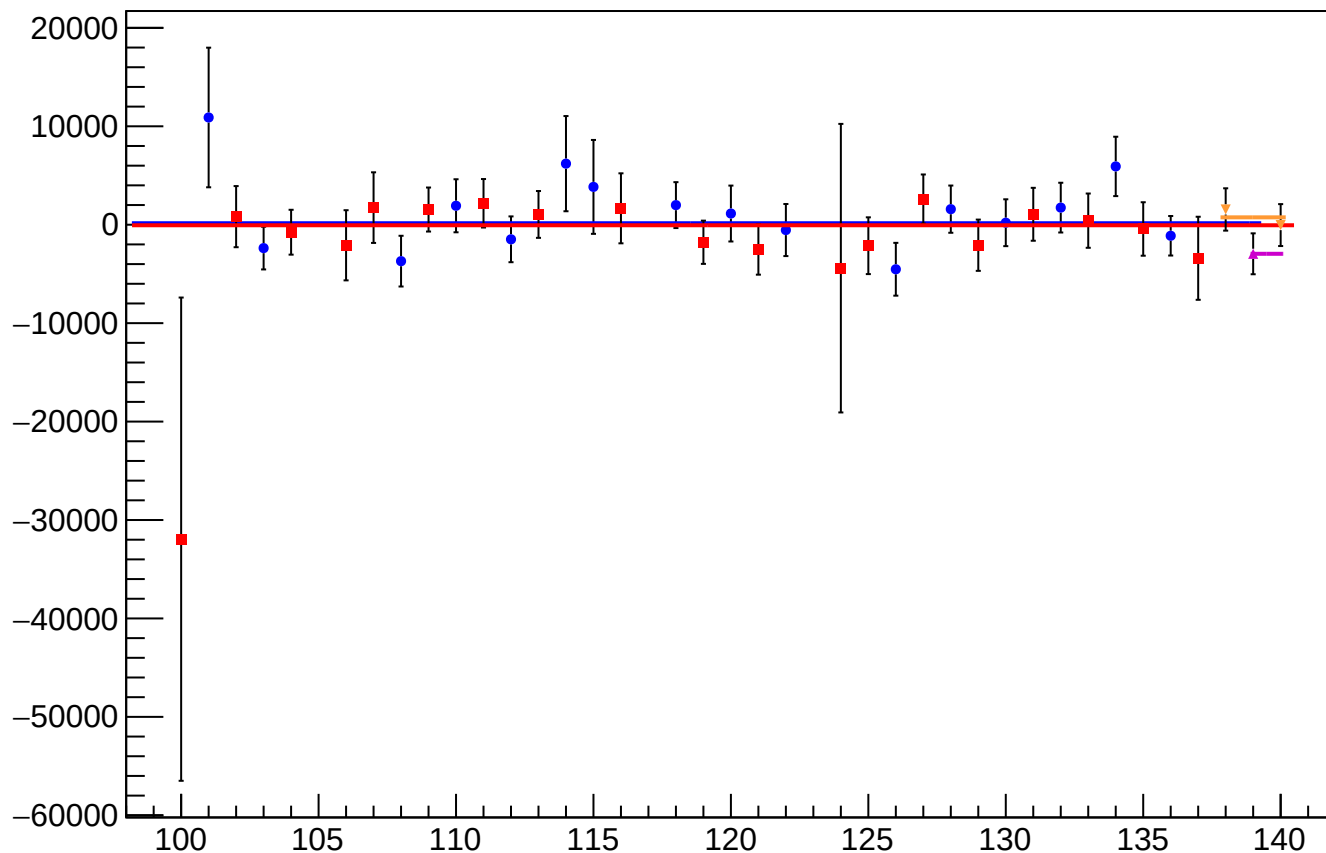
Left In: 4671.705 $\pm$ 3.598 χ^2 /NDF:0.0/0

+ sign 3024.474 $\pm$ 0.736 χ^2 /NDF: 710617.7/17

All: 1091.446 $\pm$ 0.295 χ^2 /NDF: 20296458.9/3

- sign 720.326 $\pm$ 0.323 χ^2 /NDF: 11364808.0/19

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254 $\pm$ 667.029 χ^2 /NDF: 17.6/15

Left Out: 749.517 $\pm$ 1512.984 χ^2 /NDF: 0.3/1

Right Out: -54.158 $\pm$ 655.266 χ^2 /NDF: 9.0/18

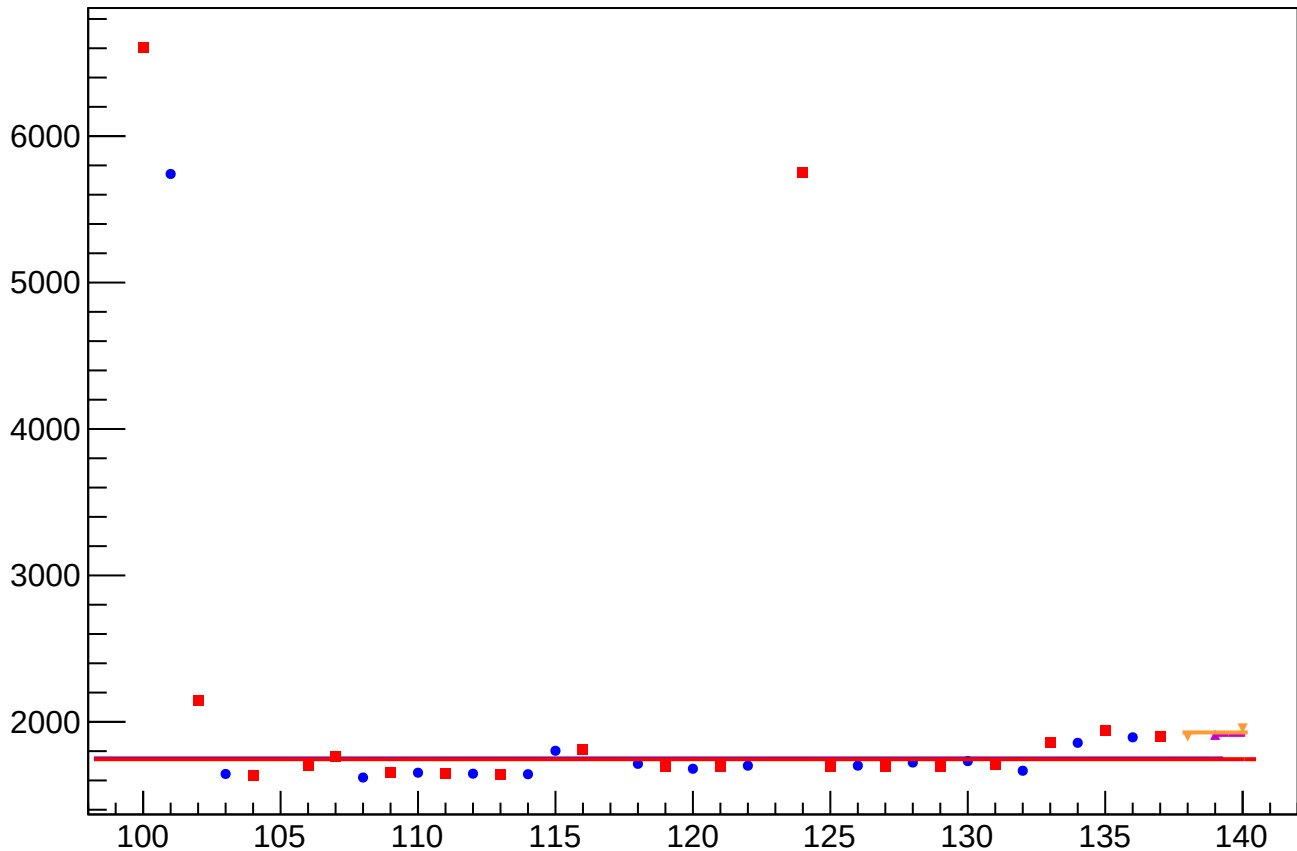
Left In: -2954.196 $\pm$ 2078.076 χ^2 /NDF: 0.0/0

+ sign 247.775 $\pm$ 610.346 χ^2 /NDF: 18.1/17

All: -27.664 $\pm$ 436.646 χ^2 /NDF: 29.2/37

- sign -316.428 $\pm$ 624.934 χ^2 /NDF: 10.7/19

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF : 682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

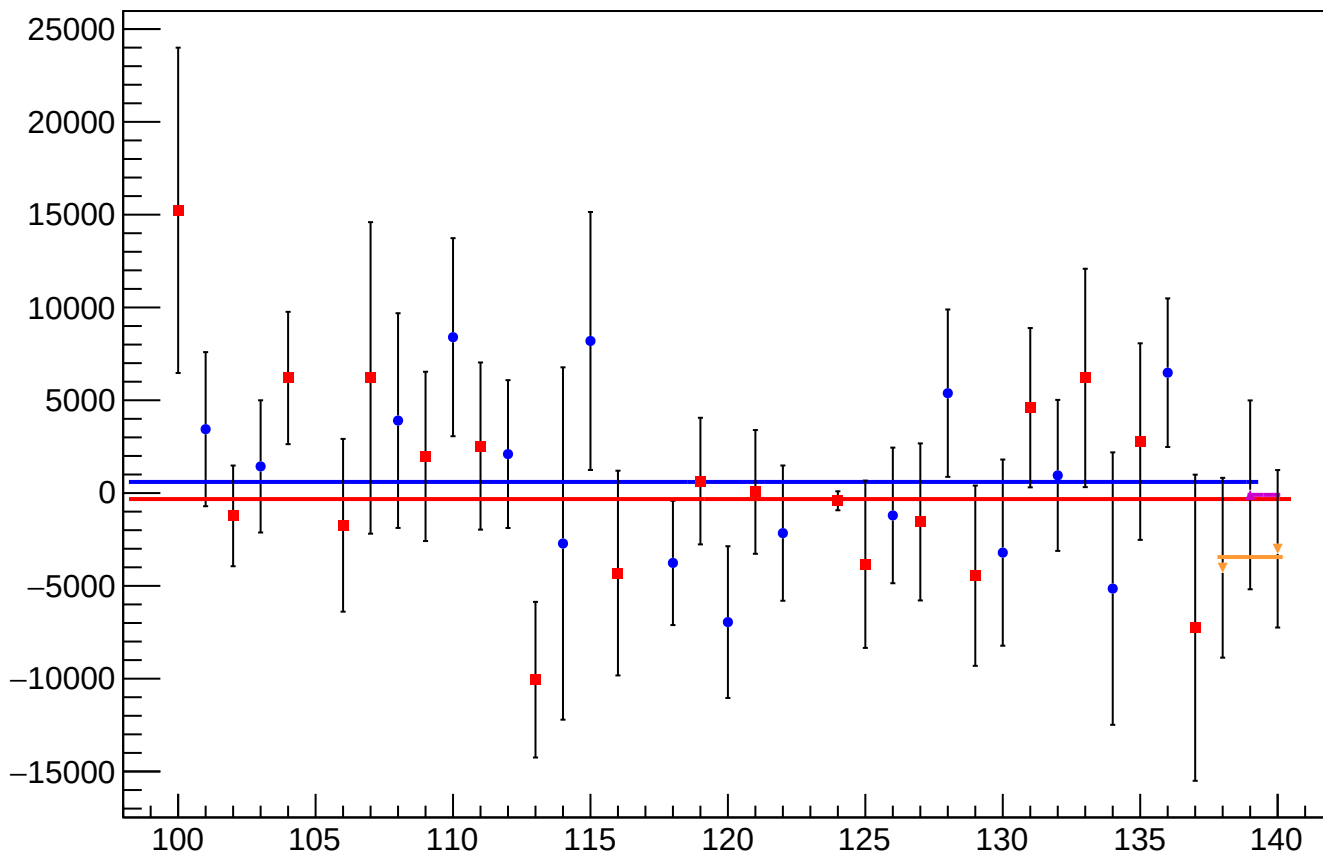
Left In: 1911.146+/-1.469 χ^2/NDF : 0.0/0

+ sign 1778.804+/-0.432 χ^2/NDF : 693392.1/17

All: 1769.638+/-0.308 χ^2/NDF : 1003901.6/37

- sign 1760.095+/-0.440 χ^2/NDF : 309588.9/19

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202 $\pm$ 1100.125 χ^2 /NDF: 14.9/15

Left Out: -3446.136 $\pm$ 3191.397 χ^2 /NDF: 0.0/1

Right Out: -323.164 $\pm$ 458.862 χ^2 /NDF: 19.0/18

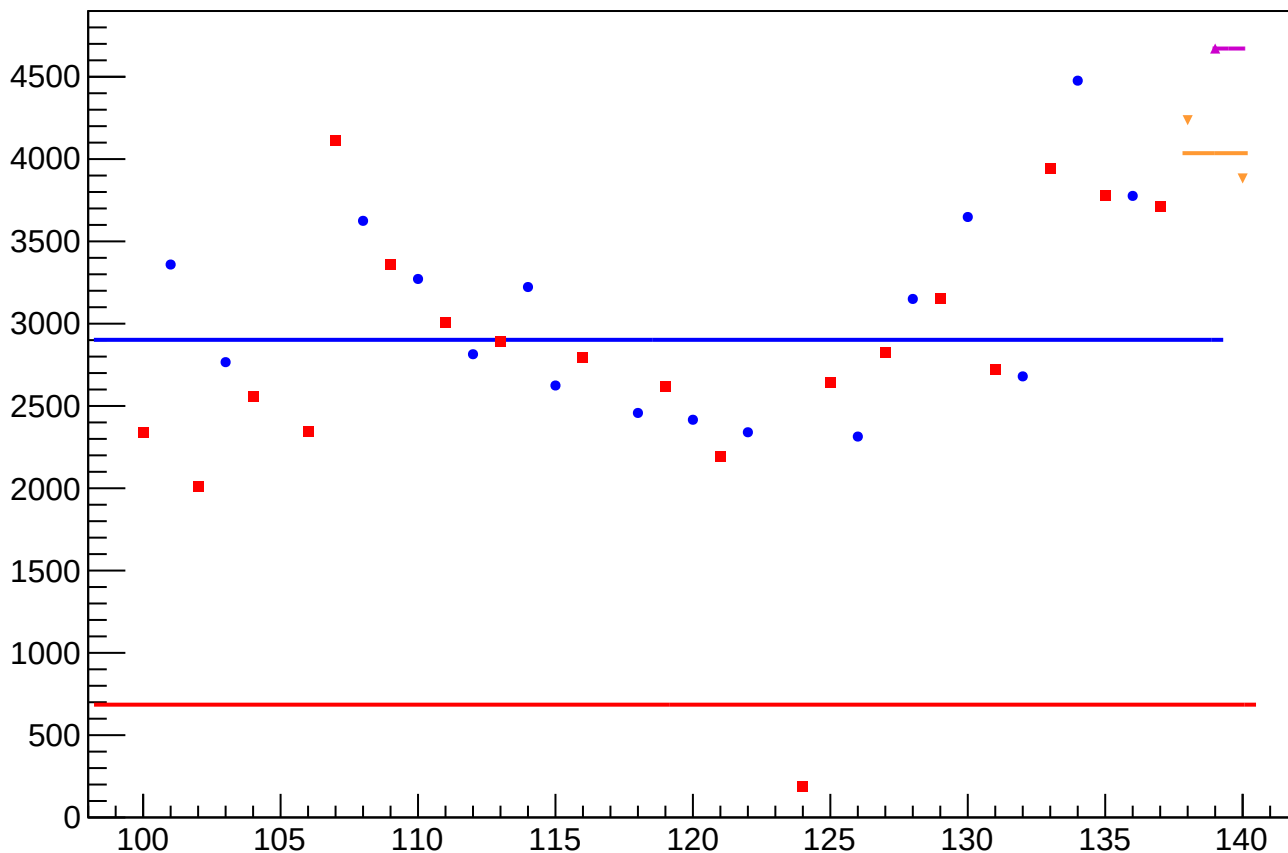
Left In: -95.865 $\pm$ 5088.217 χ^2 /NDF: 0.0/0

+ sign 170.447 $\pm$ 1040.065 χ^2 /NDF: 16.3/17

All: -241.746 $\pm$ 418.398 χ^2 /NDF: 35.5/37

- sign -321.330 $\pm$ 457.008 χ^2 /NDF: 19.0/19

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF : 480934.2/15

Left Out: 4035.916+/-2.257 χ^2/NDF : 6043.1/1

Right Out: 685.257+/-0.324 χ^2/NDF : 10105797.4/18

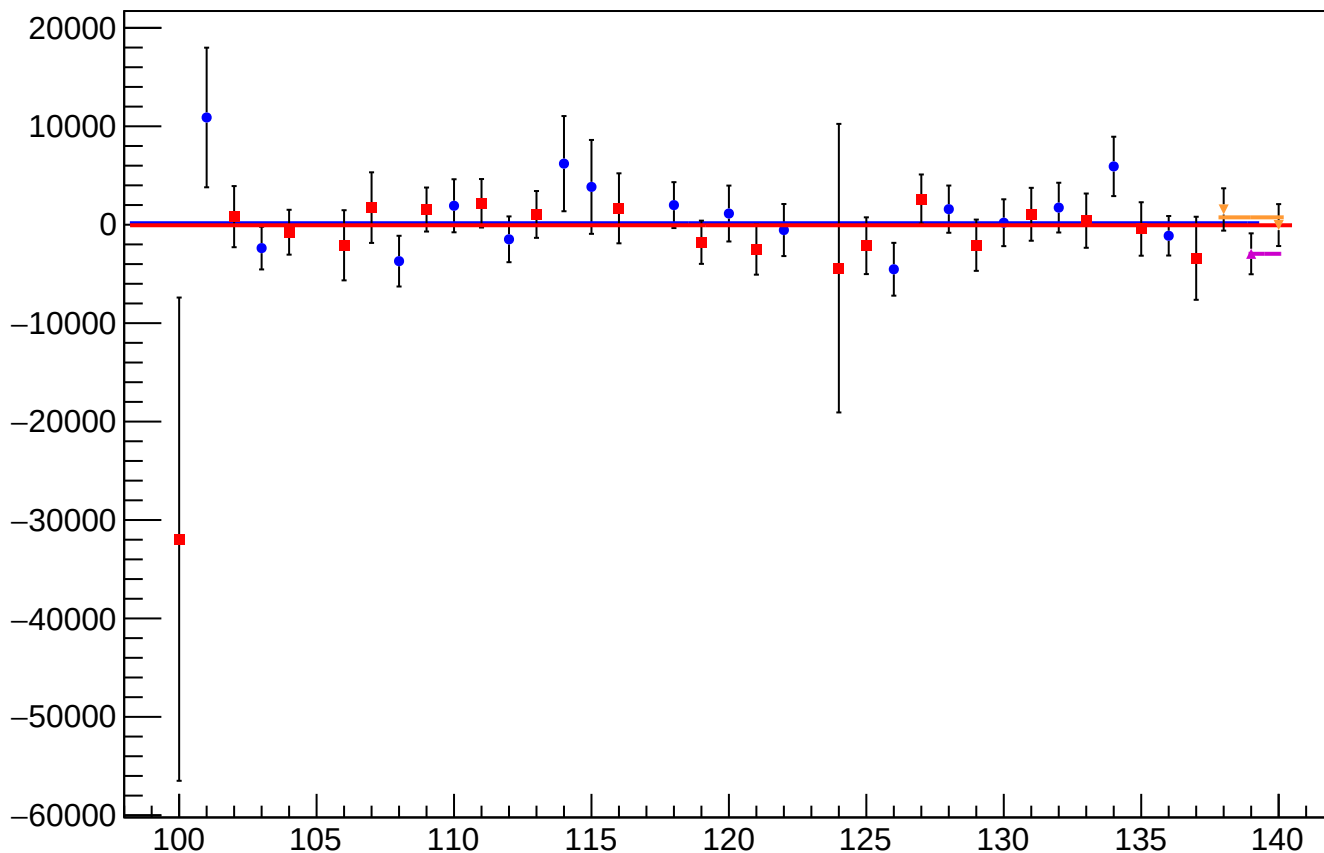
Left In: 4671.684+/-3.598 χ^2/NDF : 0.0/0

+ sign 3022.307+/-0.735 χ^2/NDF : 712698.5/17

All: 1090.416+/-0.296 χ^2/NDF : 20268925.9/3

- sign 717.416+/-0.323 χ^2/NDF : 11323520.8/19

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254 $\pm$ 667.029 χ^2 /NDF: 17.6/15

Left Out: 749.517 $\pm$ 1512.984 χ^2 /NDF: 0.3/1

Right Out: -54.158 $\pm$ 655.266 χ^2 /NDF: 9.0/18

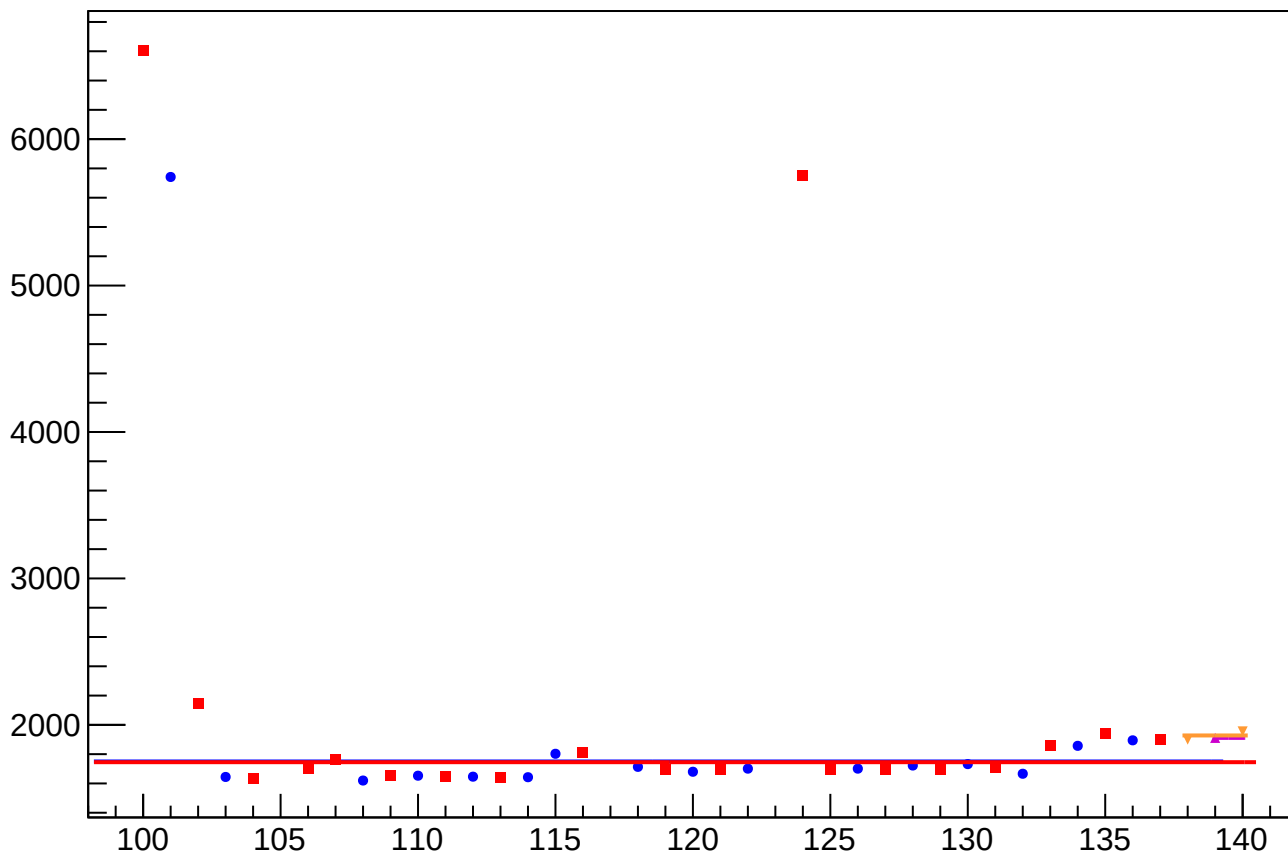
Left In: -2954.196 $\pm$ 2078.076 χ^2 /NDF: 0.0/0

+ sign 247.775 $\pm$ 610.346 χ^2 /NDF: 18.1/17

All: -27.664 $\pm$ 436.646 χ^2 /NDF: 29.2/37

- sign -316.428 $\pm$ 624.934 χ^2 /NDF: 10.7/19

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF : 682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

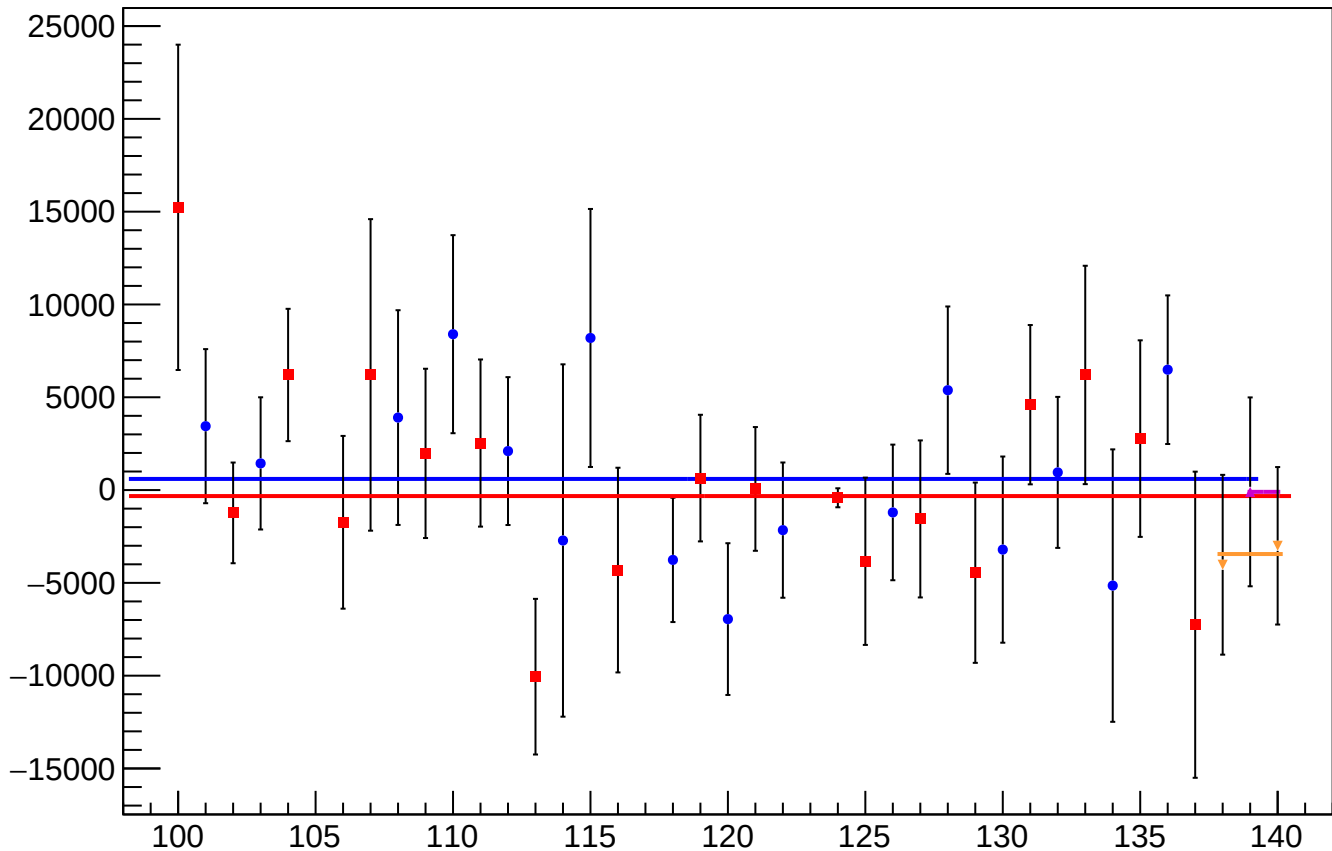
Left In: 1911.146+/-1.469 χ^2/NDF : 0.0/0

+ sign 1778.804+/-0.432 χ^2/NDF : 693392.1/17

All: 1769.638+/-0.308 χ^2/NDF : 1003901.6/37

- sign 1760.095+/-0.440 χ^2/NDF : 309588.9/19

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202 $\pm$ 1100.125 χ^2 /NDF: 14.9/15

Left Out: -3446.136 $\pm$ 3191.397 χ^2 /NDF: 0.0/1

Right Out: -323.164 $\pm$ 458.862 χ^2 /NDF: 19.0/18

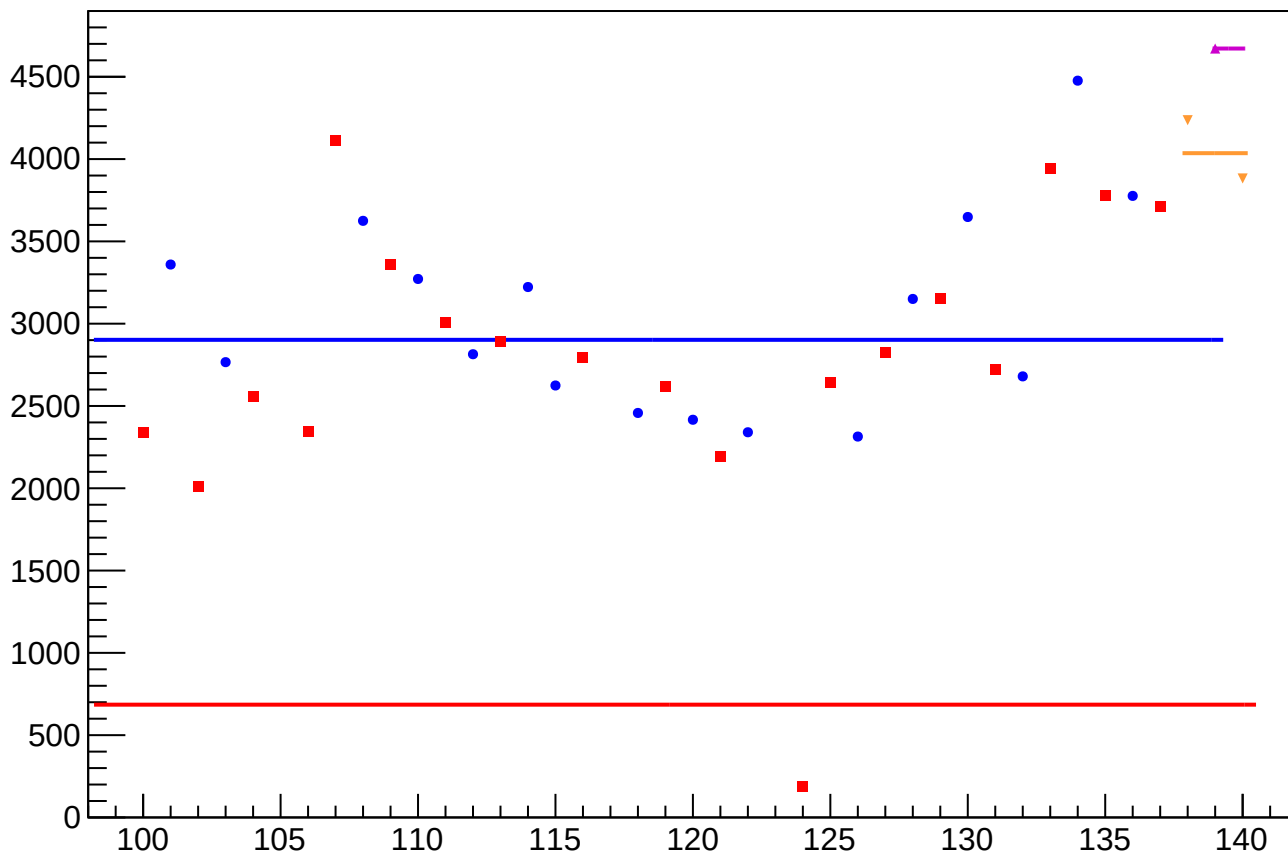
Left In: -95.865 $\pm$ 5088.217 χ^2 /NDF: 0.0/0

+ sign 170.447 $\pm$ 1040.065 χ^2 /NDF: 16.3/17

All: -241.746 $\pm$ 418.398 χ^2 /NDF: 35.5/37

- sign -321.330 $\pm$ 457.008 χ^2 /NDF: 19.0/19

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861 $\pm$ 0.778 χ^2 /NDF: 480934.2/15

Left Out: 4035.916 $\pm$ 2.257 χ^2 /NDF:6043.1/1

Right Out: 685.257 $\pm$ 0.324 χ^2 /NDF: 10105797.4/18

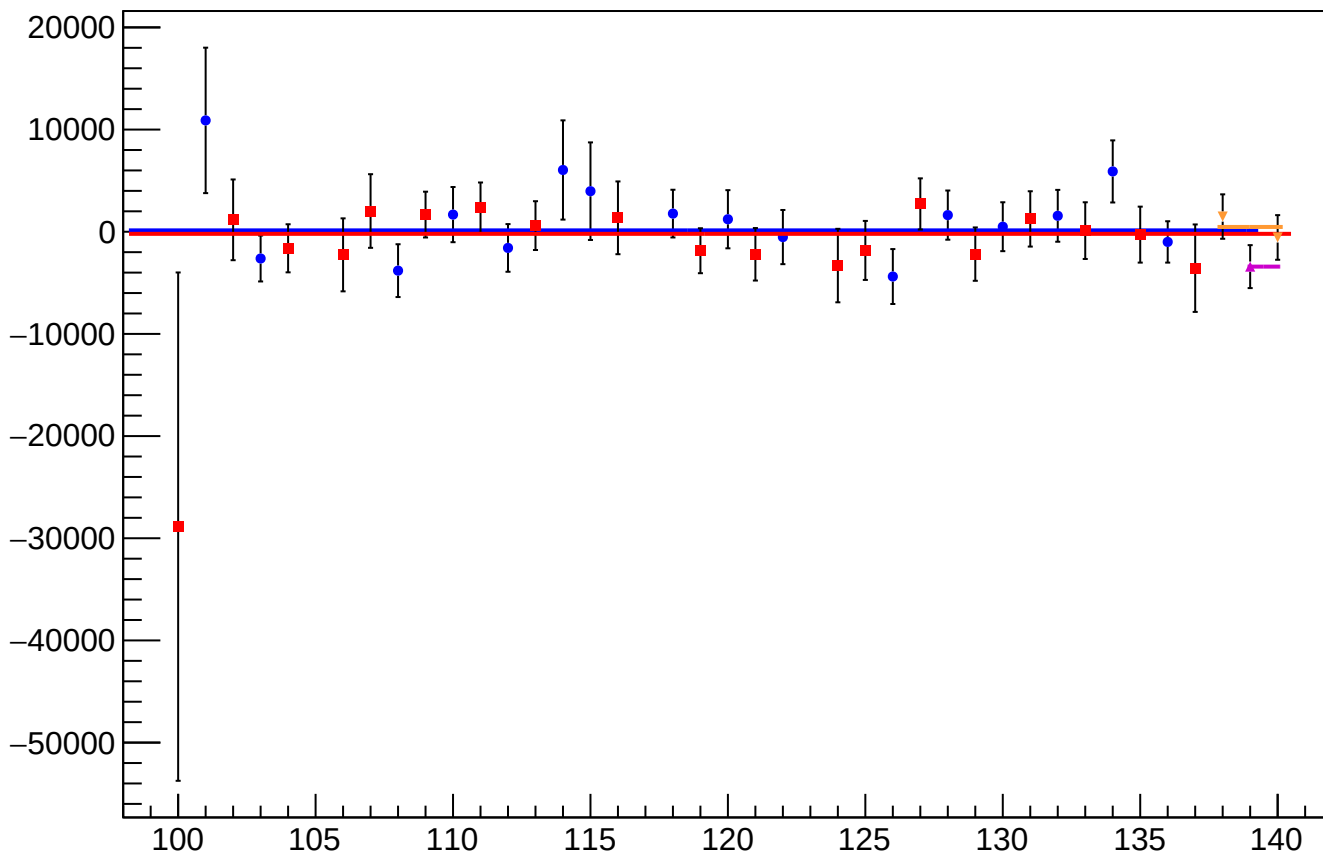
Left In: 4671.684 $\pm$ 3.598 χ^2 /NDF:0.0/0

+ sign 3022.307 $\pm$ 0.735 χ^2 /NDF: 712698.5/17

All: 1090.416 $\pm$ 0.296 χ^2 /NDF: 20268925.9/3

- sign 717.416 $\pm$ 0.323 χ^2 /NDF: 11323520.8/19

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838 $\pm$ 671.621 χ^2 /NDF: 17.3/15

Left Out: 468.280 $\pm$ 1541.176 χ^2 /NDF: 0.4/1

Right Out: -205.424 $\pm$ 654.444 χ^2 /NDF: 9.7/18

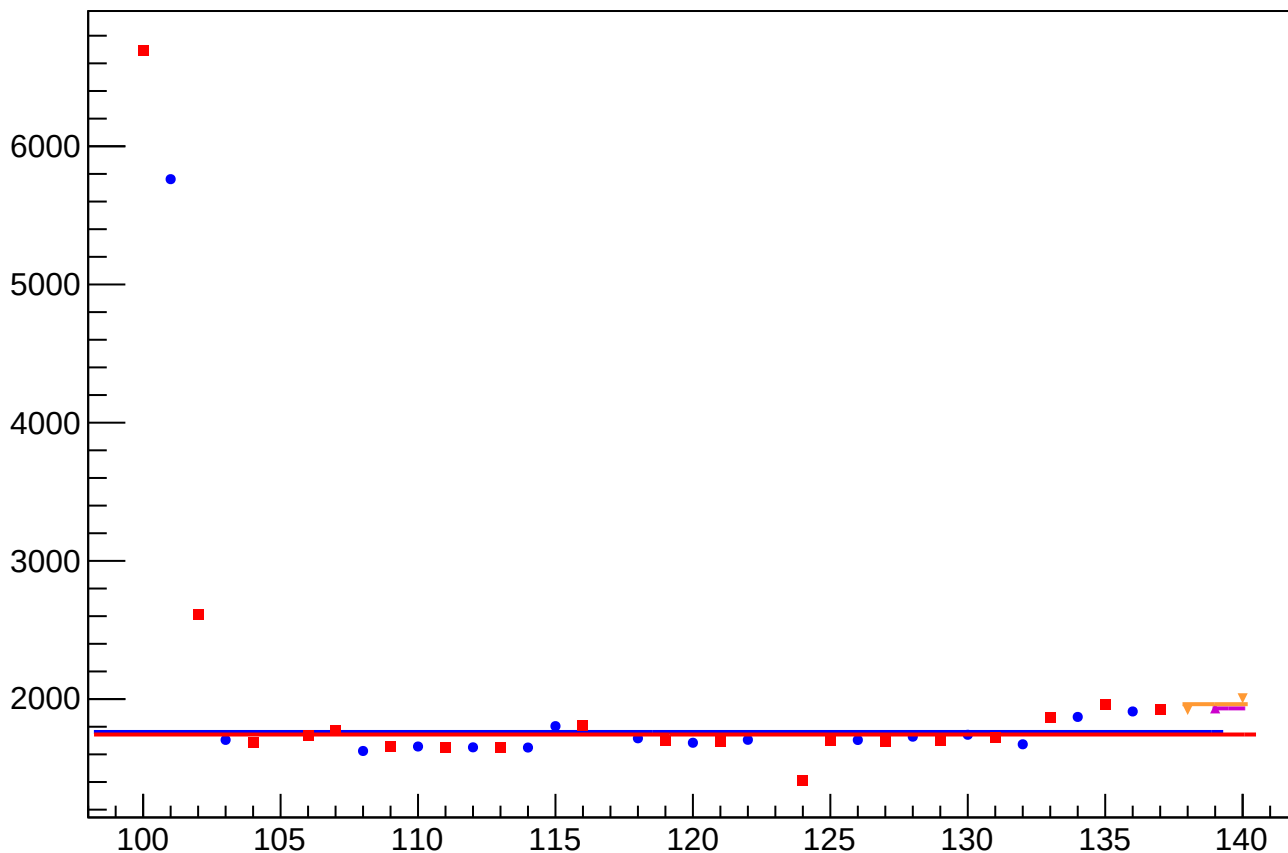
Left In: -3413.217 $\pm$ 2102.180 χ^2 /NDF: 0.0/0

+ sign 187.215 $\pm$ 615.697 χ^2 /NDF: 17.8/17

All: -145.822 $\pm$ 438.569 χ^2 /NDF: 30.2/37

- sign -488.849 $\pm$ 624.864 χ^2 /NDF: 11.8/19

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2 /NDF: 667696.6/15

Left Out: 1963.217 $\pm$ 1.090 χ^2 /NDF:1504.0/1

Right Out: 1743.723 $\pm$ 0.461 χ^2 /NDF: 227762.1/18

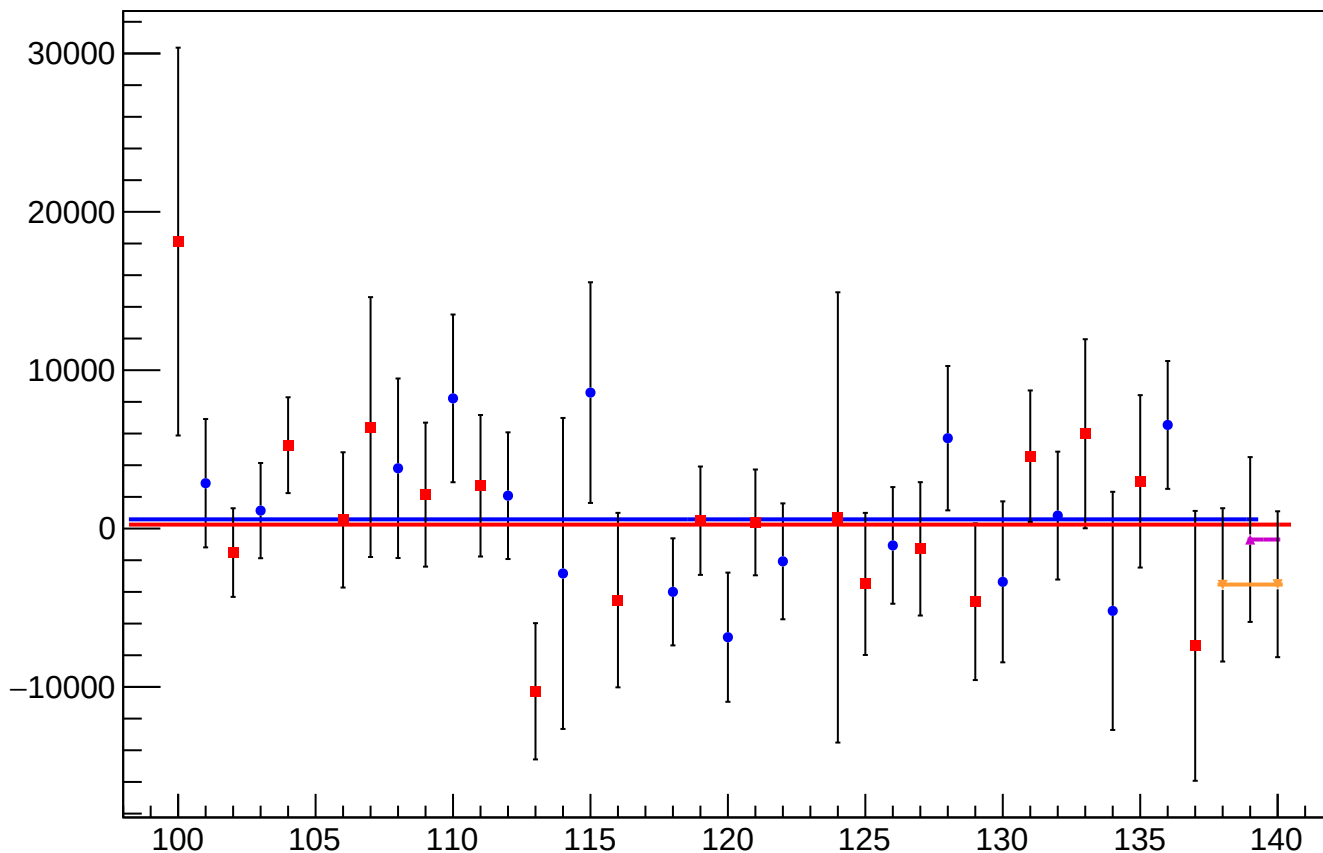
Left In: 1932.796 $\pm$ 1.486 χ^2 /NDF:0.0/0

+ sign 1794.158 $\pm$ 0.435 χ^2 /NDF: 697836.9/17

All: 1777.455 $\pm$ 0.310 χ^2 /NDF: 943335.9/37

- sign 1760.341 $\pm$ 0.441 χ^2 /NDF: 242518.9/19

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223 ± 1081.481 χ^2/NDF : 14.9/15

Left Out: -3534.904 ± 3336.886 χ^2/NDF : 0.0/1

Right Out: 250.224 ± 1021.012 χ^2/NDF : 17.9/18

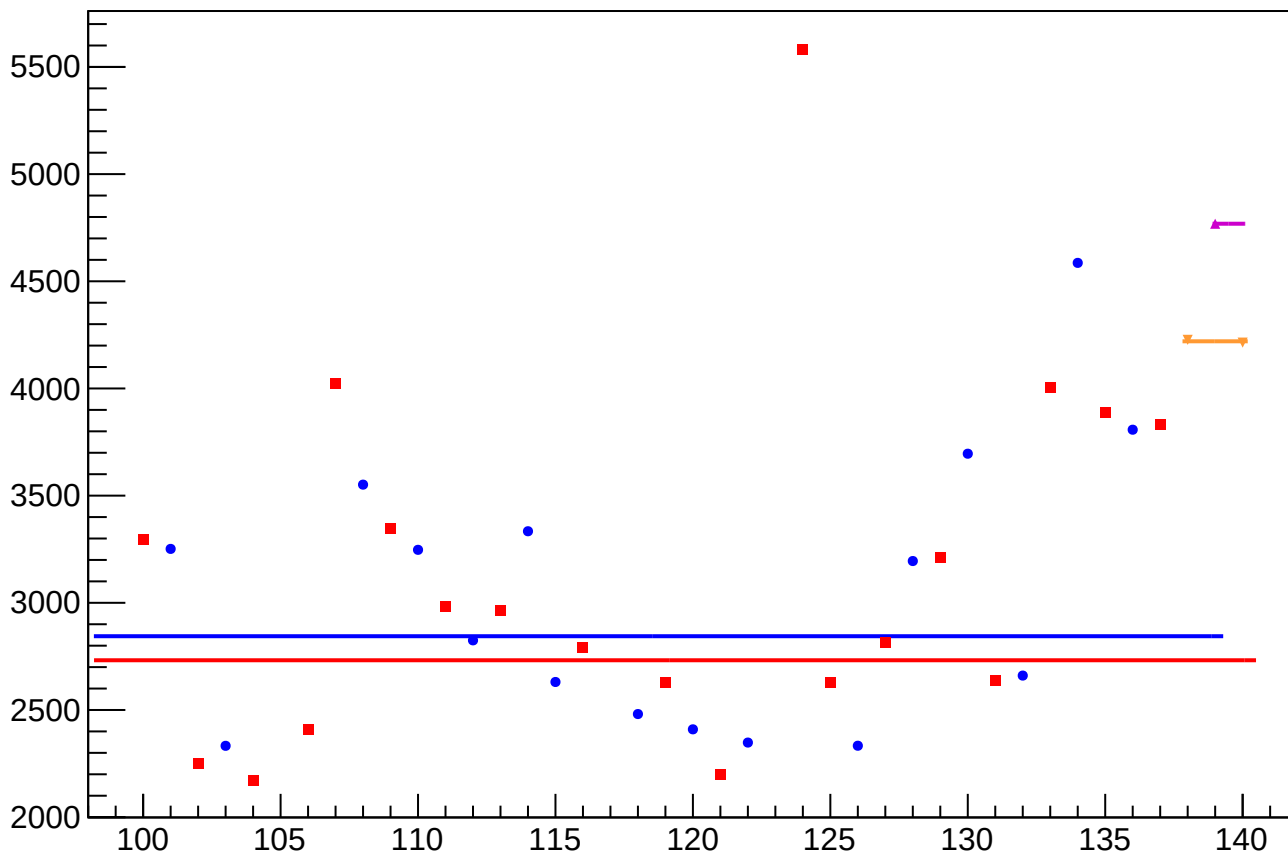
Left In: -691.771 ± 5204.015 χ^2/NDF : 0.0/0

+ sign 190.868 ± 1028.797 χ^2/NDF : 16.2/17

All: 203.411 ± 717.775 χ^2/NDF : 34.2/37

- sign 215.308 ± 1001.911 χ^2/NDF : 18.0/19

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF : 542032.5/15

Left Out: 4220.039+/-2.360 χ^2/NDF : 7.5/1

Right Out: 2731.978+/-0.722 χ^2/NDF : 611275.1/18

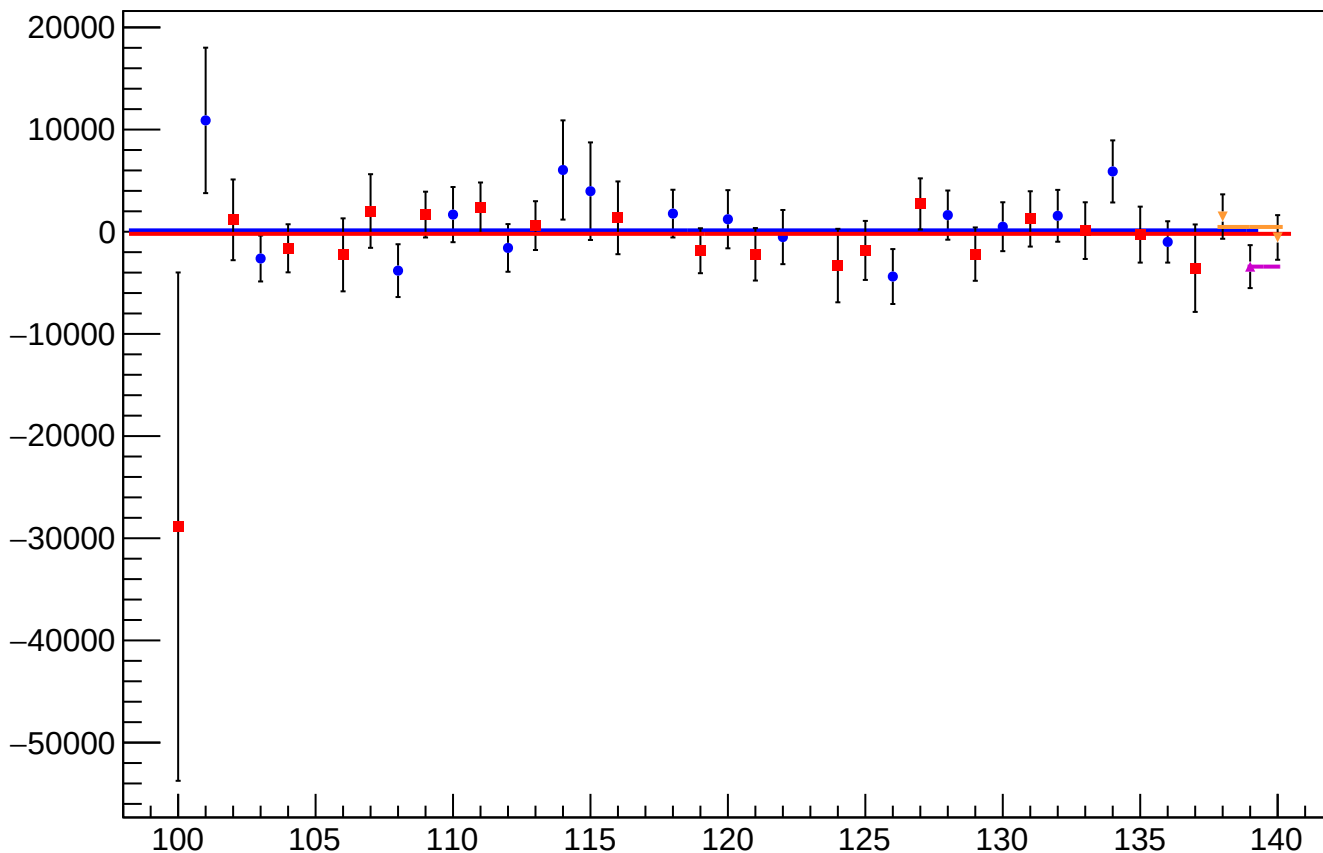
Left In: 4768.524+/-3.680 χ^2/NDF : 0.0/0

+ sign 2974.938+/-0.727 χ^2/NDF : 849745.0/17

All: 2888.985+/-0.508 χ^2/NDF : 1783163.4/37

- sign 2807.465+/-0.708 χ^2/NDF : 906217.8/19

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF : 17.3/15

Left Out: 468.270+/-1541.176 χ^2/NDF : 0.4/1

Right Out: -205.422+/-654.444 χ^2/NDF : 9.7/18

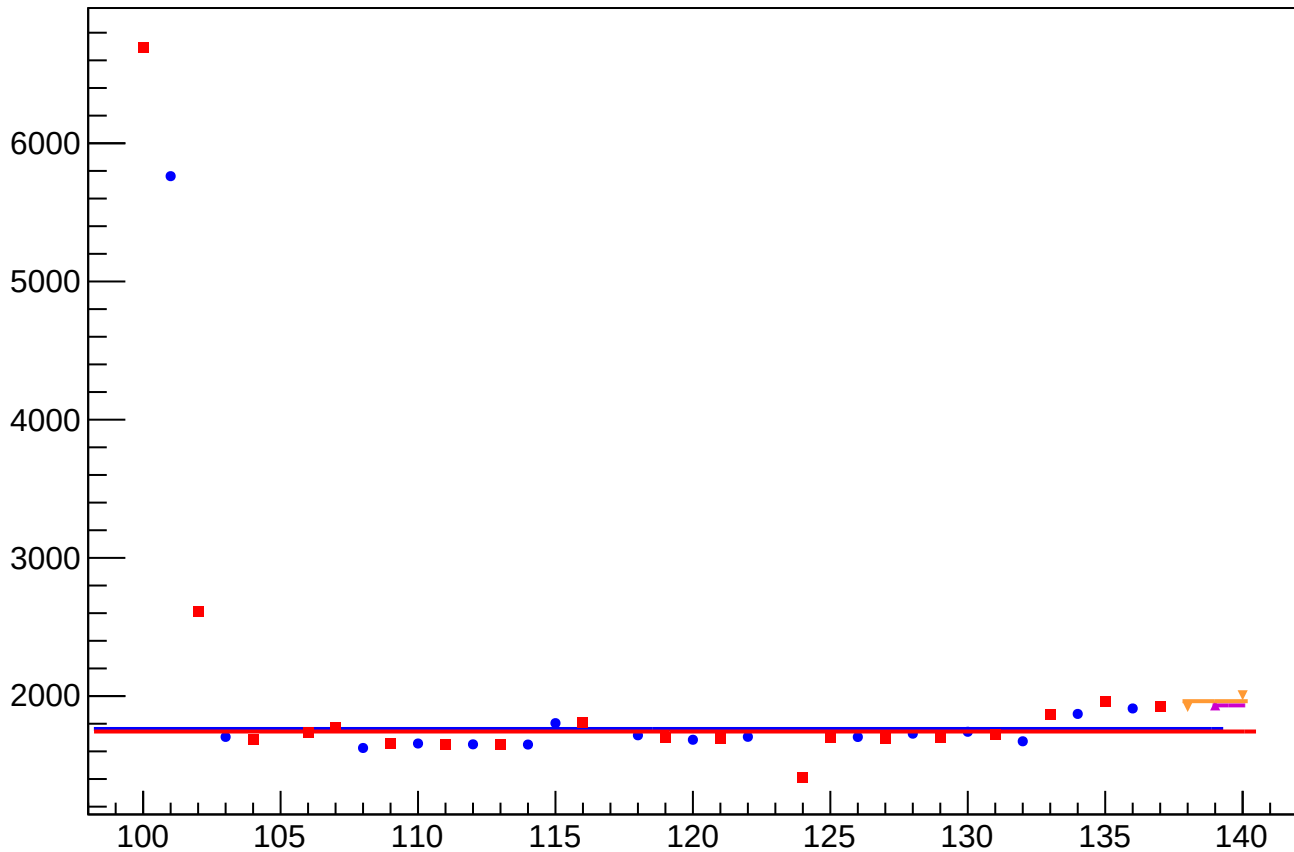
Left In: -3413.211+/-2102.181 χ^2/NDF : 0.0/0

+ sign 187.212+/-615.697 χ^2/NDF : 17.8/17

All: -145.822+/-438.569 χ^2/NDF : 30.2/37

- sign -488.846+/-624.864 χ^2/NDF : 11.8/19

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2 /NDF: 667696.6/15

Left Out: 1963.218 $\pm$ 1.090 χ^2 /NDF:1504.0/1

Right Out: 1743.723 $\pm$ 0.461 χ^2 /NDF: 227762.1/18

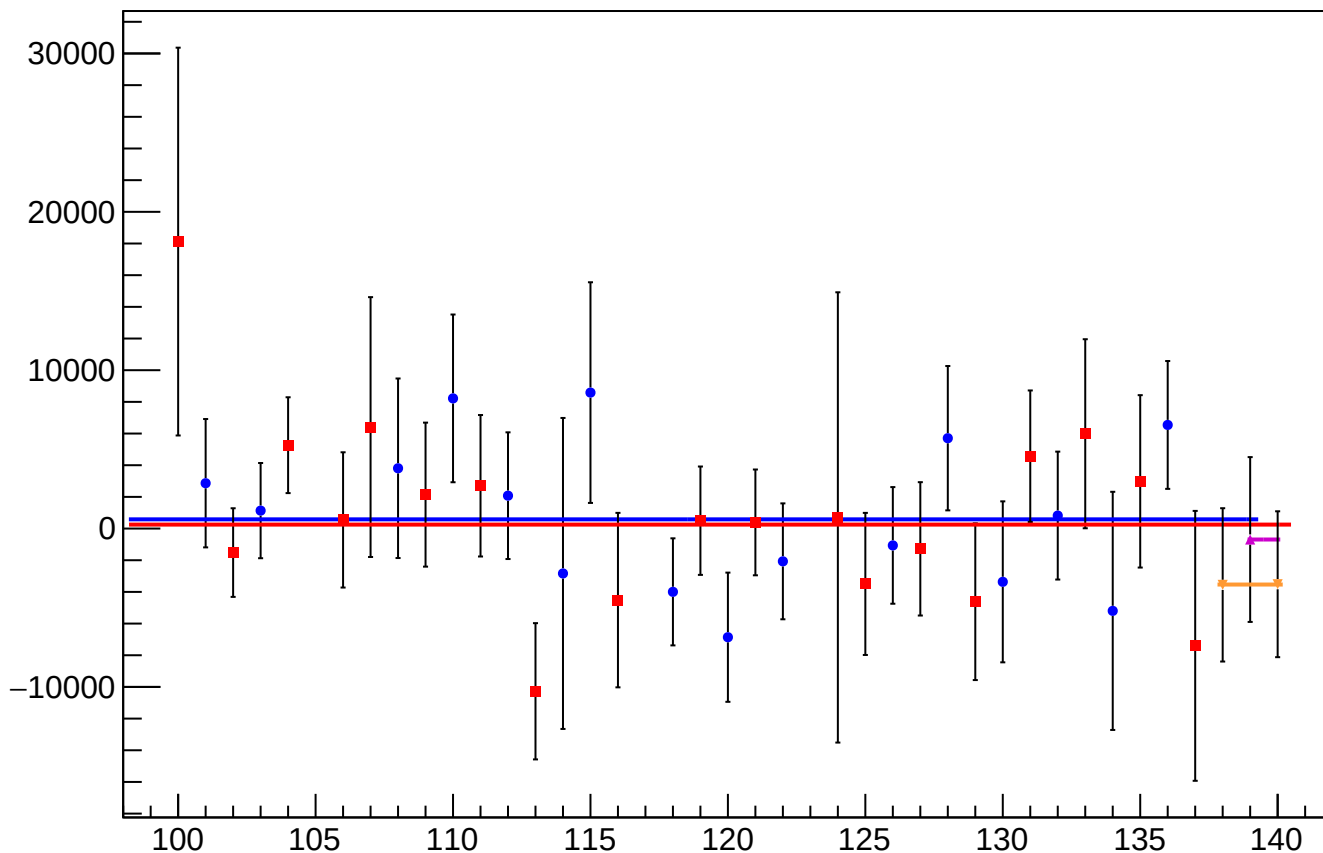
Left In: 1932.797 $\pm$ 1.486 χ^2 /NDF:0.0/0

+ sign 1794.158 $\pm$ 0.435 χ^2 /NDF: 697837.1/17

All: 1777.455 $\pm$ 0.310 χ^2 /NDF: 943336.3/37

- sign 1760.341 $\pm$ 0.441 χ^2 /NDF: 242519.2/19

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219 ± 1081.478 $\chi^2/\text{NDF}: 14.9/15$

Left Out: -3534.912 ± 3336.895 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 250.225 ± 1021.010 $\chi^2/\text{NDF}: 17.9/18$

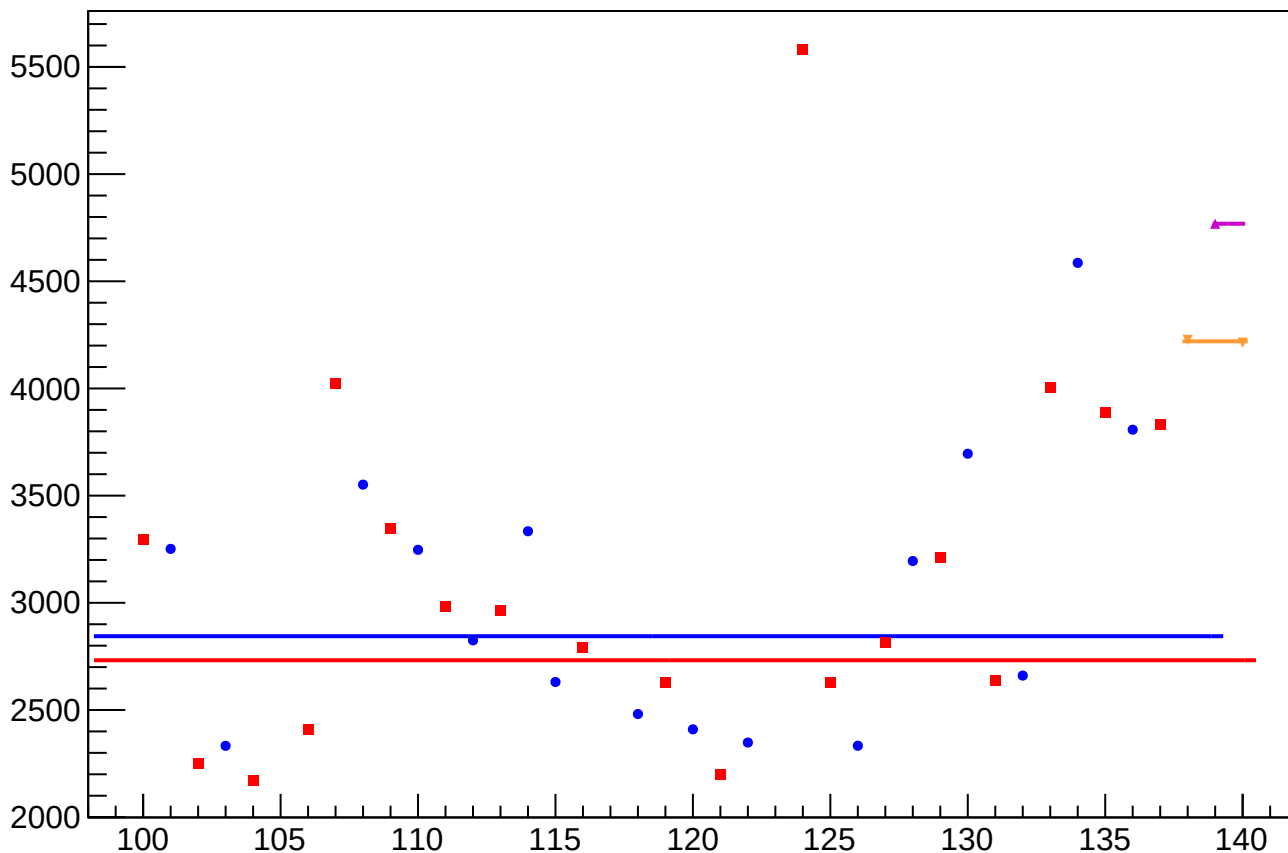
Left In: -691.763 ± 5204.036 $\chi^2/\text{NDF}: 0.0/0$

+ sign 190.866 ± 1028.795 $\chi^2/\text{NDF}: 16.2/17$

All: 203.411 ± 717.774 $\chi^2/\text{NDF}: 34.2/37$

- sign 215.309 ± 1001.909 $\chi^2/\text{NDF}: 18.0/19$

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF : 542036.2/15

Left Out: 4220.050+/-2.360 χ^2/NDF : 7.5/1

Right Out: 2731.972+/-0.722 χ^2/NDF : 611272.5/18

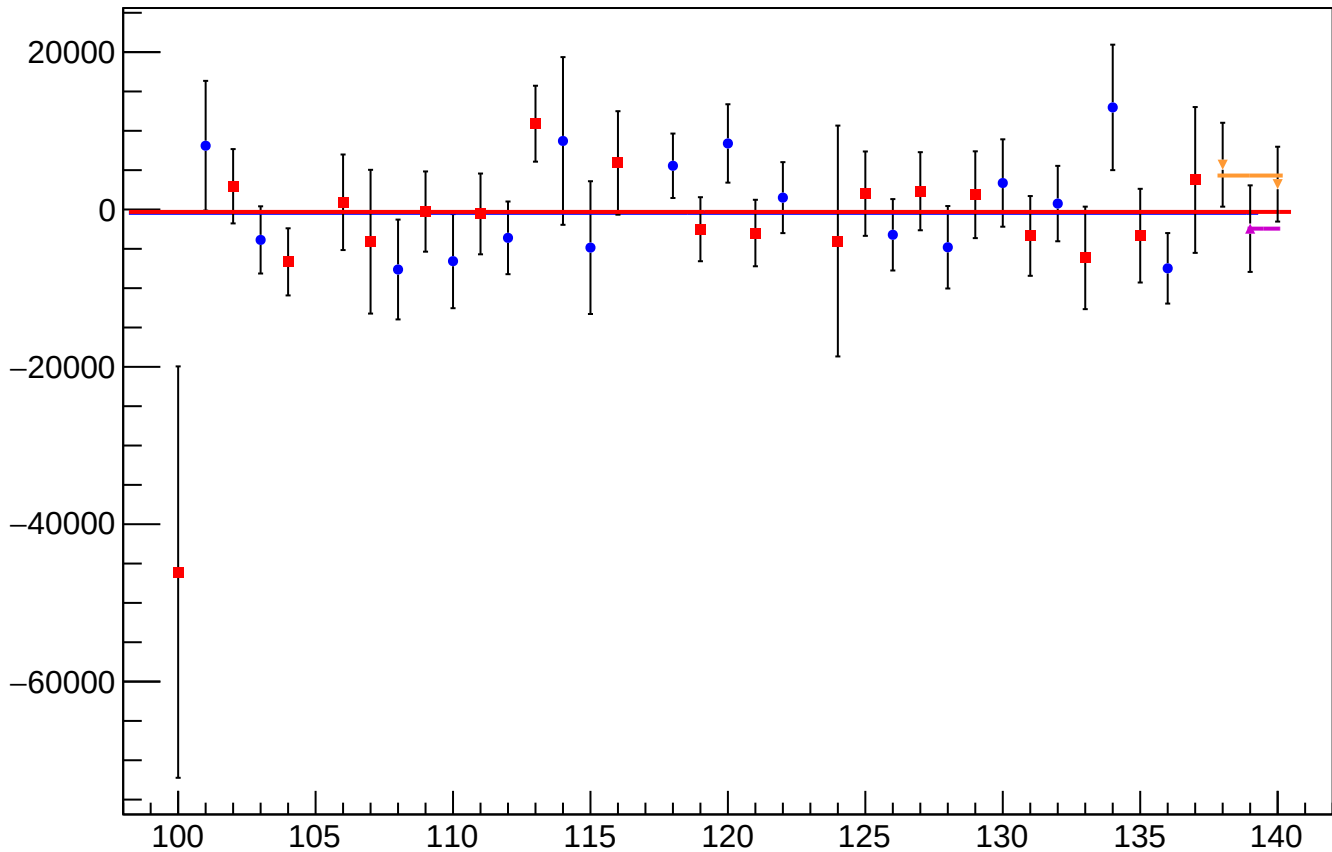
Left In: 4768.543+/-3.680 χ^2/NDF : 0.0/0

+ sign 2974.931+/-0.727 χ^2/NDF : 849755.9/17

All: 2888.978+/-0.508 χ^2/NDF : 1783176.2/37

- sign 2807.460+/-0.708 χ^2/NDF : 906220.1/19

asym_atr1l2_dd_mean vs Slug



Right In: -423.131 ± 1327.258 χ^2/NDF : 17.9/15

Left Out: 4314.519 ± 3549.249 χ^2/NDF : 0.1/1

Right Out: -307.823 ± 1275.718 χ^2/NDF : 15.3/18

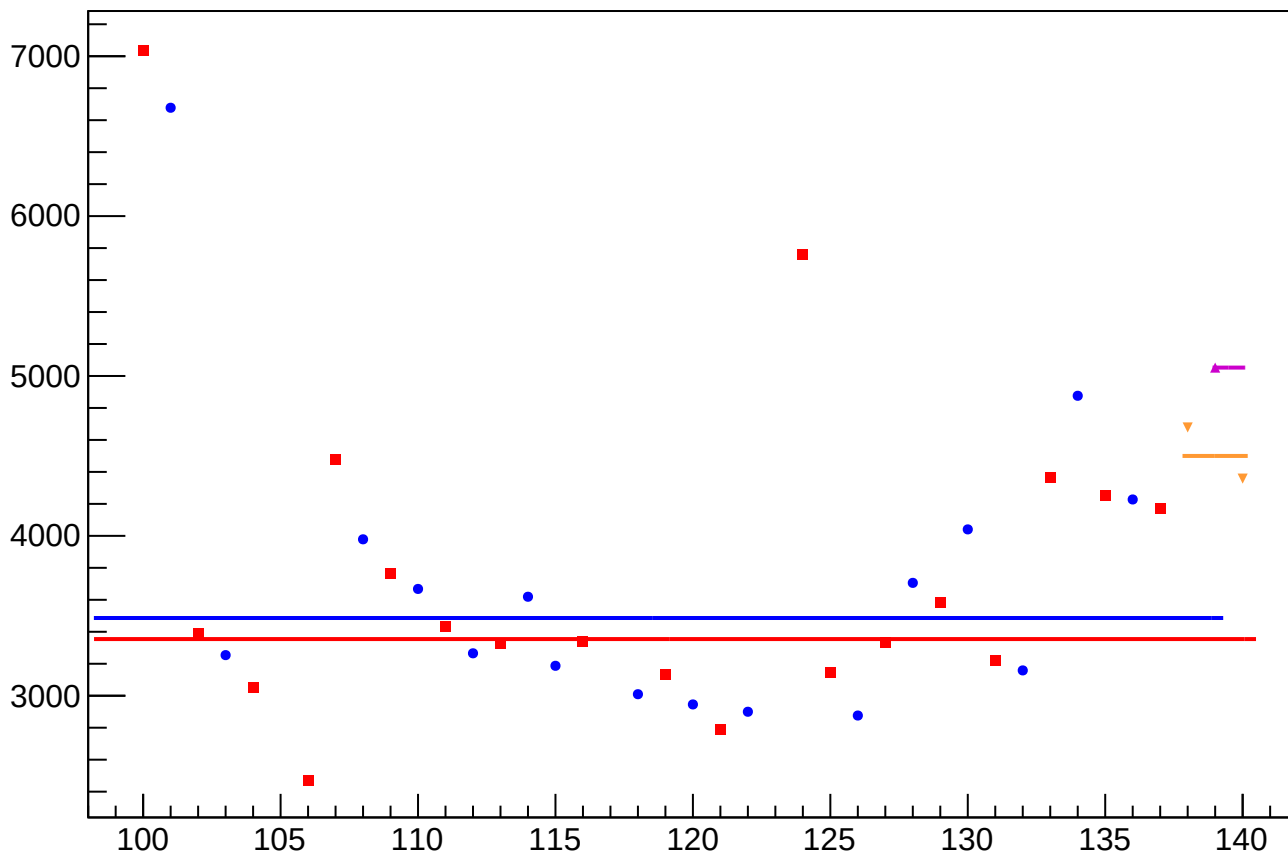
Left In: -2432.827 ± 5500.630 χ^2/NDF : 0.0/0

+ sign 158.110 ± 1243.177 χ^2/NDF : 19.6/17

All: -129.192 ± 878.902 χ^2/NDF : 35.1/37

- sign -416.289 ± 1242.733 χ^2/NDF : 15.4/19

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF : 595790.9/15

Left Out: 4499.852+/-2.510 χ^2/NDF : 4011.3/1

Right Out: 3354.426+/-0.889 χ^2/NDF : 376426.3/18

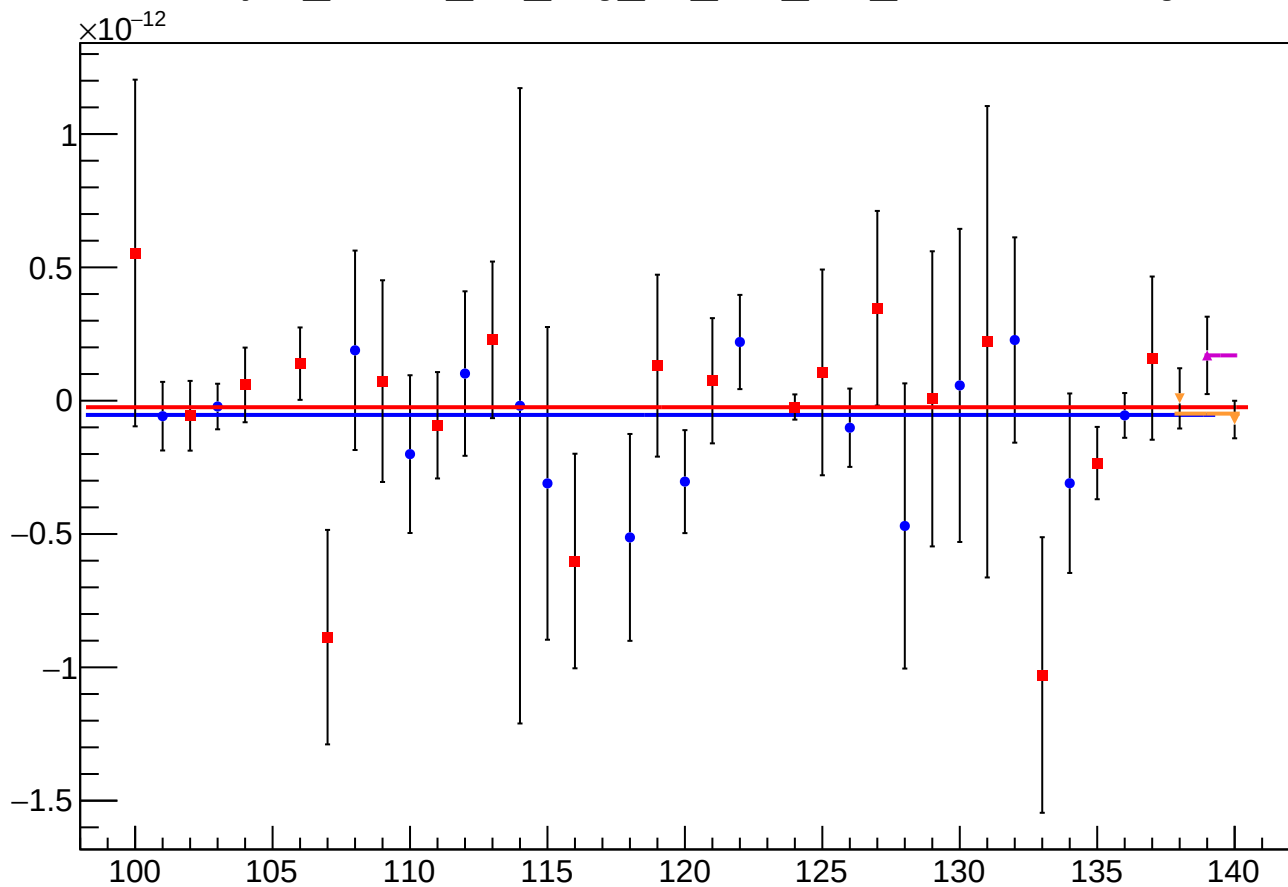
Left In: 5052.445+/-3.890 χ^2/NDF : 0.0/0

+ sign 3610.531+/-0.879 χ^2/NDF : 742928.3/17

All: 3523.499+/-0.617 χ^2/NDF : 1319808.0/37

- sign 3438.817+/-0.867 χ^2/NDF : 557539.9/19

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 : 0.4/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

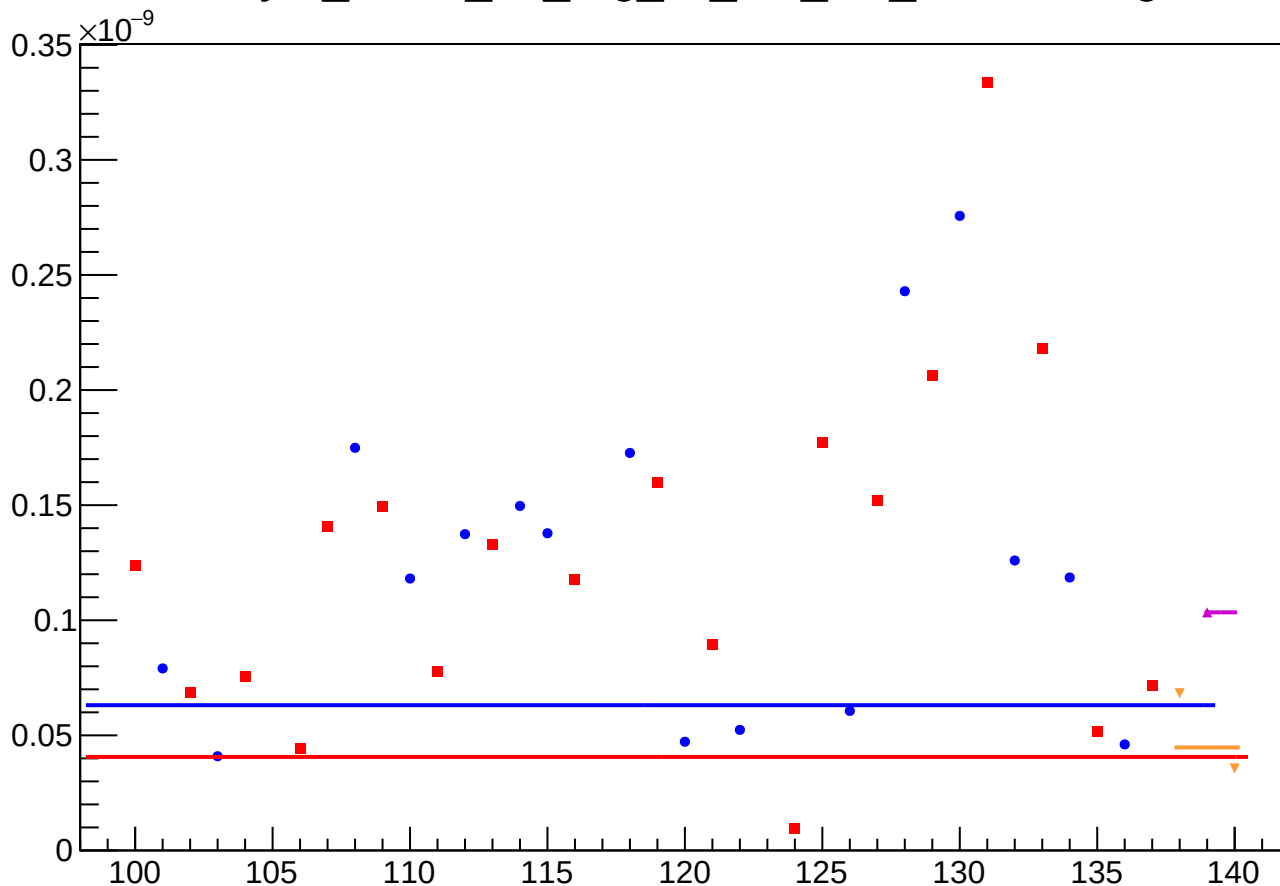
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 8.9/17

All: -0.000 ± 0.000 χ^2/NDF : 29.6/37

- sign -0.000 ± 0.000 χ^2/NDF : 20.1/19

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1432018.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 120659.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 3172346.7/18

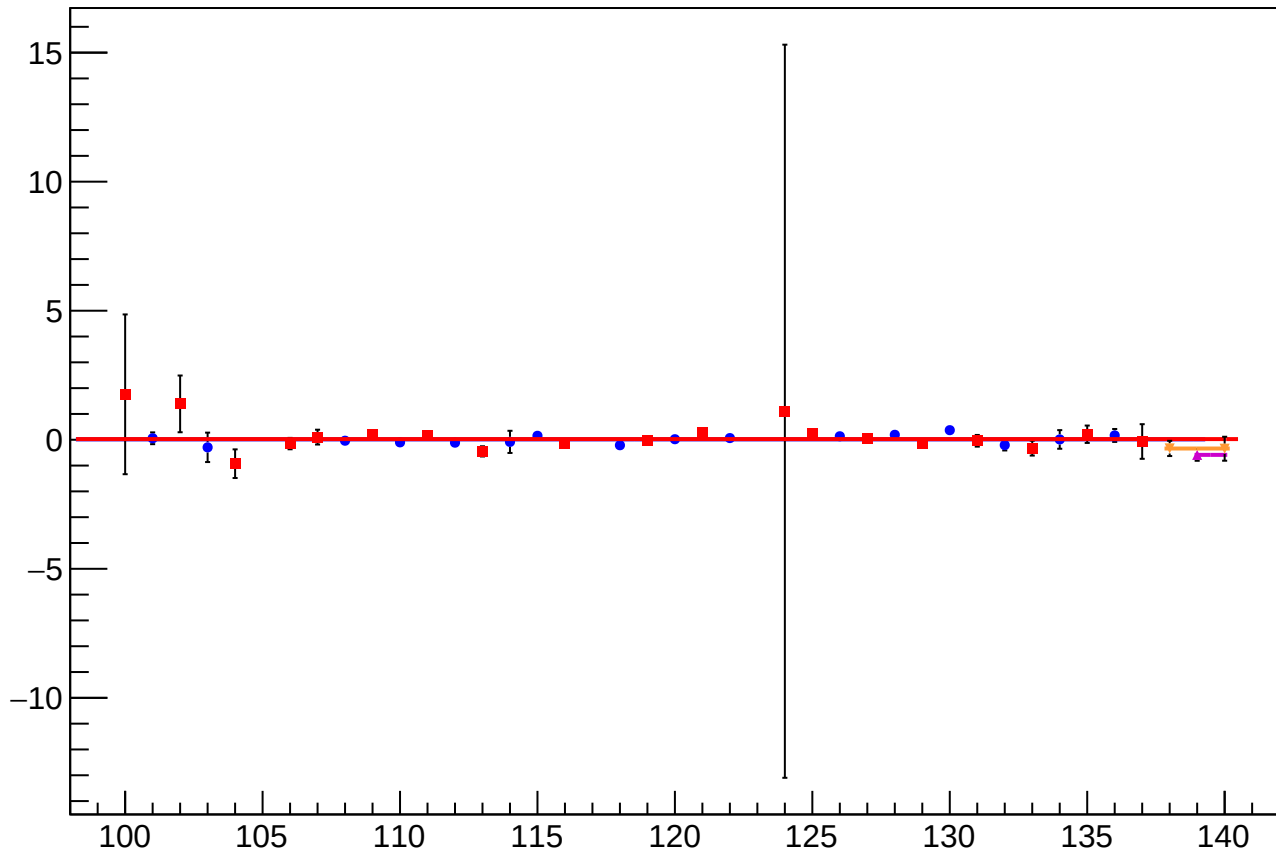
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 1674343.8/17

All: 0.000 ± 0.000 χ^2/NDF : 5322957.5/37

- sign 0.000 ± 0.000 χ^2/NDF : 3525587.0/19

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.048 χ^2 /NDF: 11.8/15

Left Out: -0.339 $\pm$ 0.249 χ^2 /NDF: 0.0/1

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

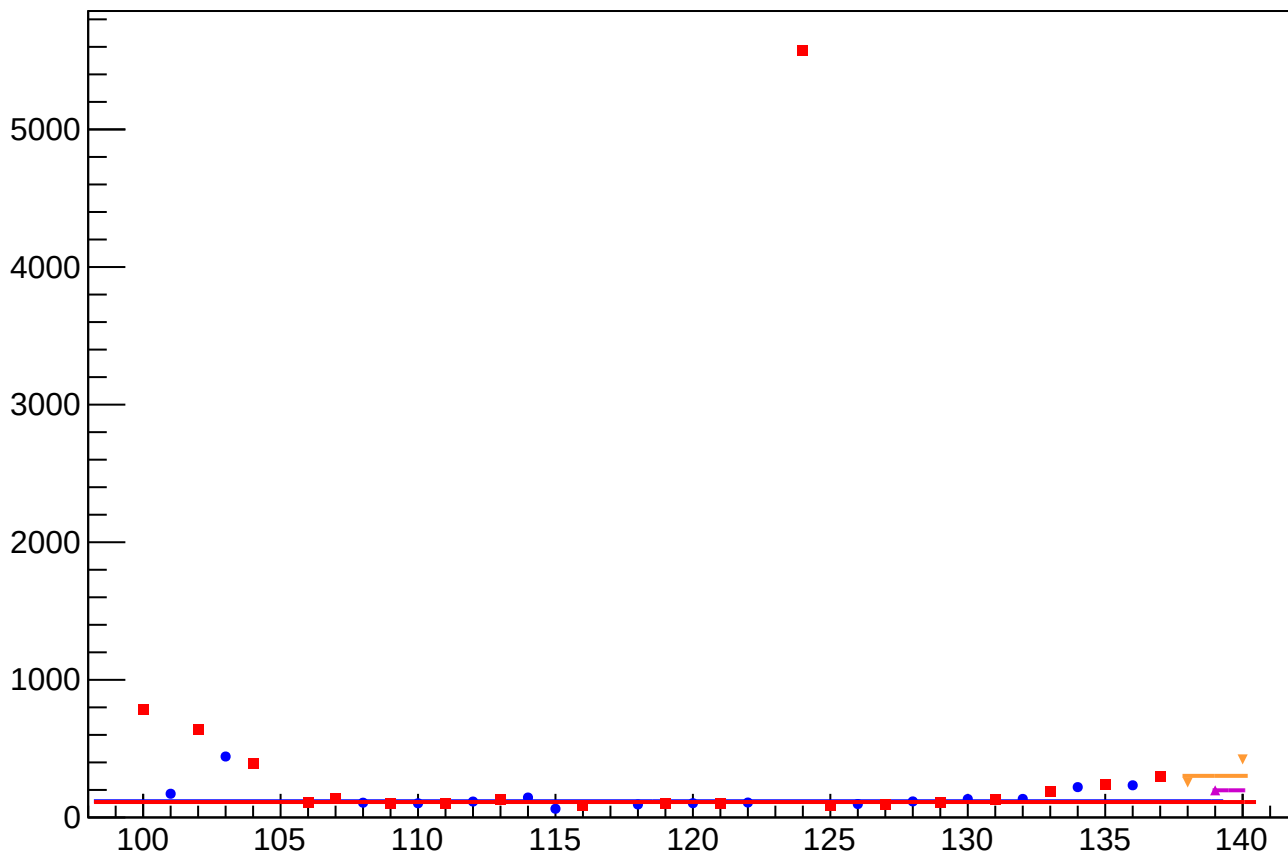
Left In: -0.586 $\pm$ 0.229 χ^2 /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.047 χ^2 /NDF: 13.8/17

All: 0.002 $\pm$ 0.033 χ^2 /NDF: 42.7/37

- sign 0.001 $\pm$ 0.046 χ^2 /NDF: 28.9/19

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722401.0/15

Left Out: 302.278 $\pm$ 0.176 χ^2 /NDF:185586.2/1

Right Out: 112.124 $\pm$ 0.033 χ^2 /NDF: 2186364.8/18

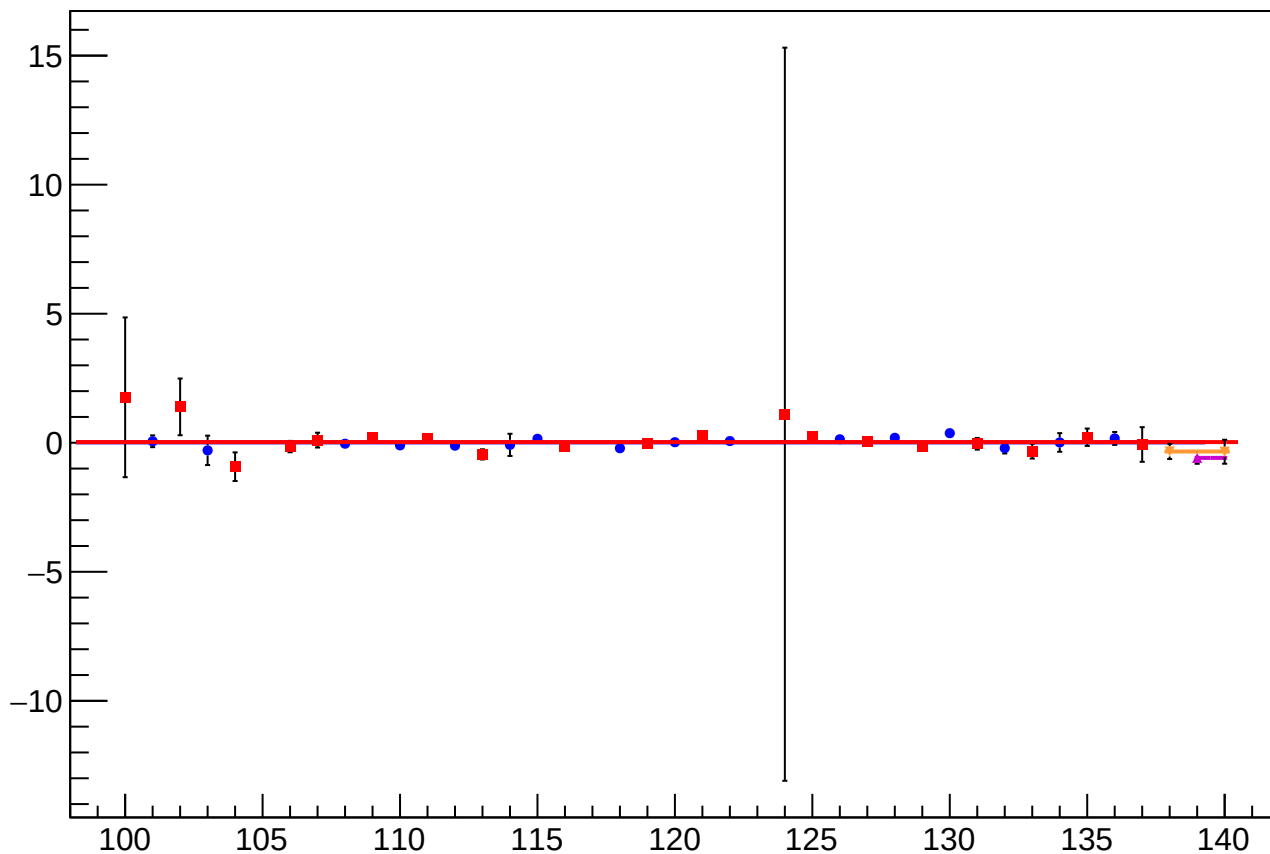
Left In: 197.330 $\pm$ 0.162 χ^2 /NDF:0.0/0

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968121.7/17

All: 119.786 $\pm$ 0.023 χ^2 /NDF: 5455571.4/37

- sign 115.551 $\pm$ 0.032 χ^2 /NDF: 2452524.3/19

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.048 χ^2/NDF : 11.8/15

Left Out: -0.339 ± 0.249 χ^2/NDF : 0.0/1

Right Out: 0.026 ± 0.047 χ^2/NDF : 22.1/18

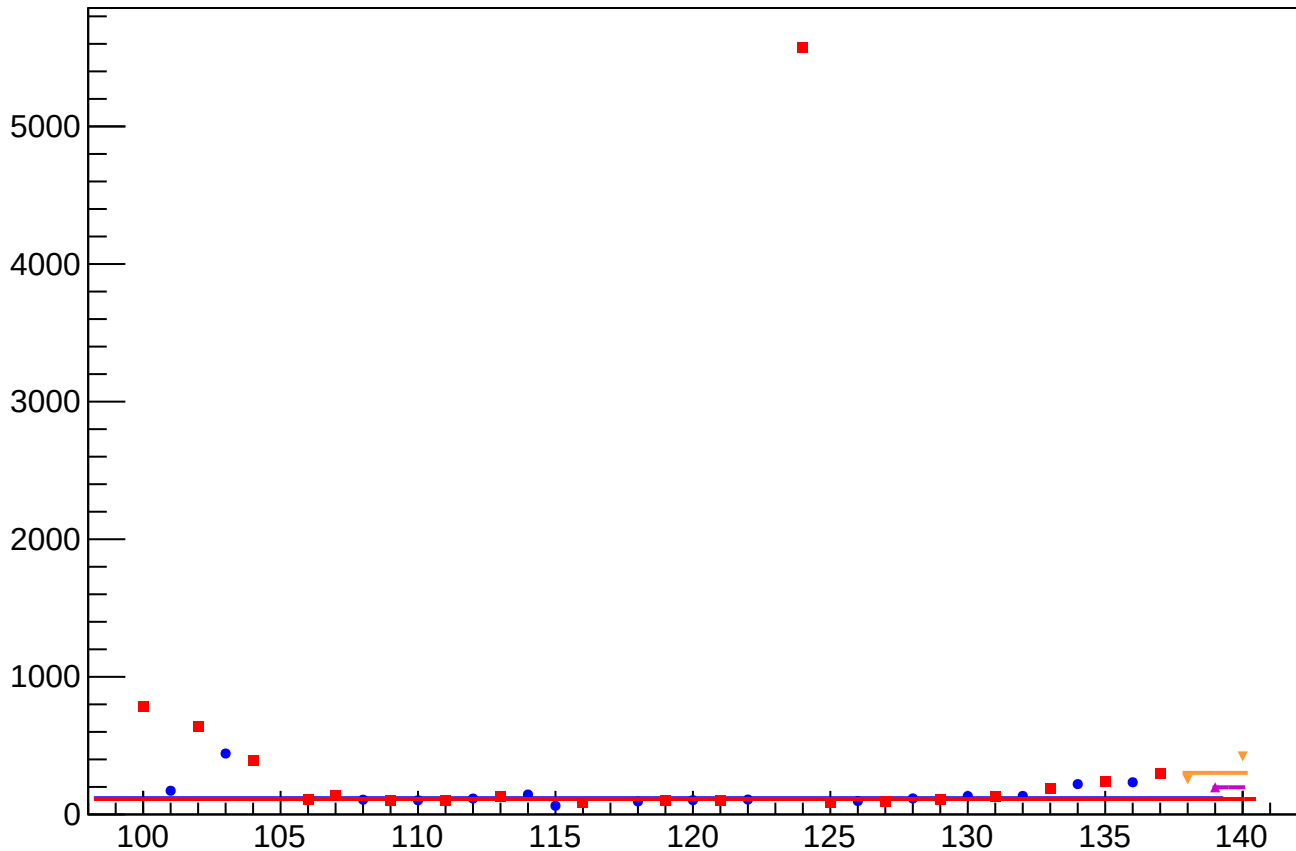
Left In: -0.586 ± 0.229 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.047 χ^2/NDF : 13.8/17

All: 0.002 ± 0.033 χ^2/NDF : 42.7/37

- sign 0.001 ± 0.046 χ^2/NDF : 28.9/19

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722401.0/15

Left Out: 302.278 $\pm$ 0.176 χ^2 /NDF:185586.2/1

Right Out: 112.124 $\pm$ 0.033 χ^2 /NDF: 2186364.8/18

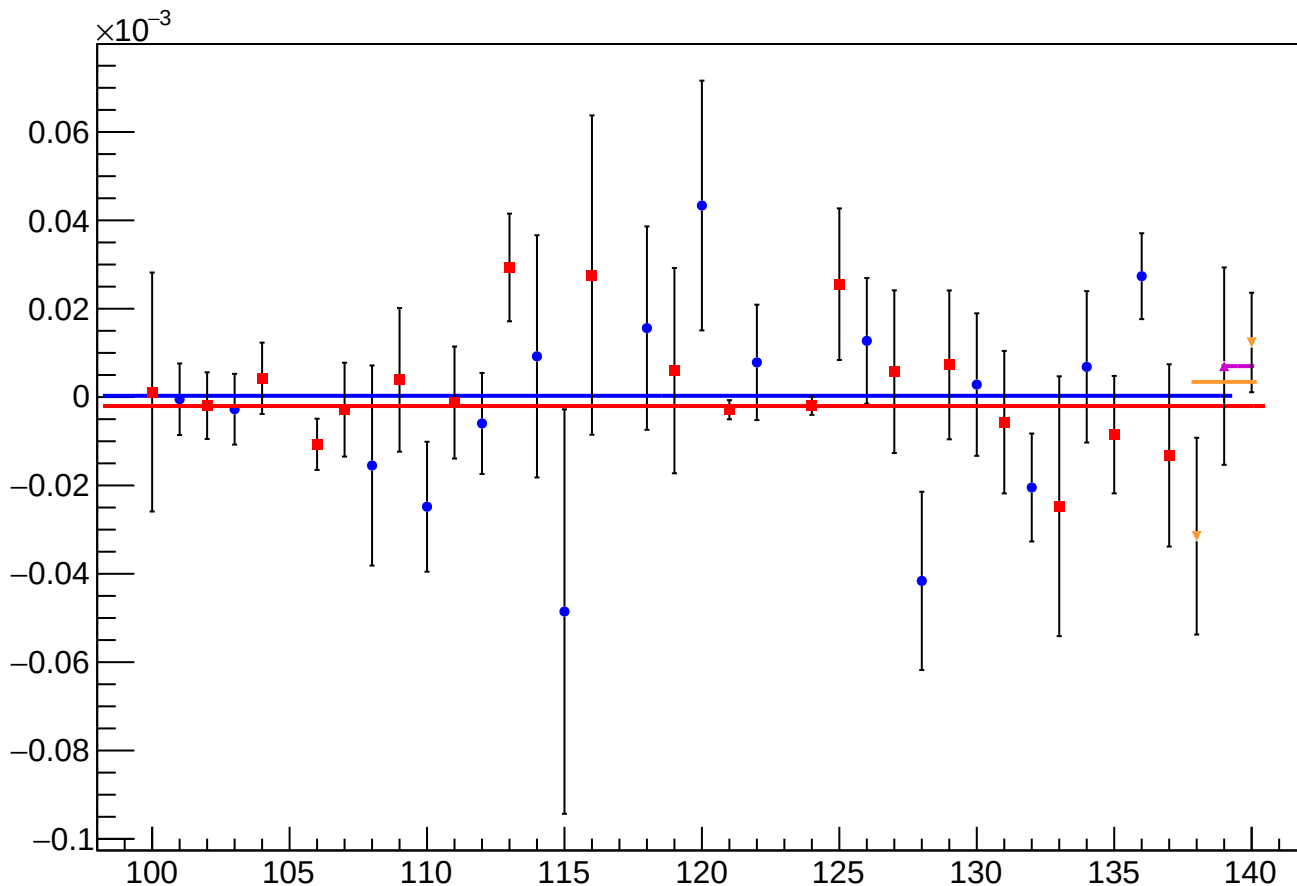
Left In: 197.330 $\pm$ 0.162 χ^2 /NDF:0.0/0

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968121.7/17

All: 119.786 $\pm$ 0.023 χ^2 /NDF: 5455571.4/37

- sign 115.551 $\pm$ 0.032 χ^2 /NDF: 2452524.3/19

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 24.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 14.8/18

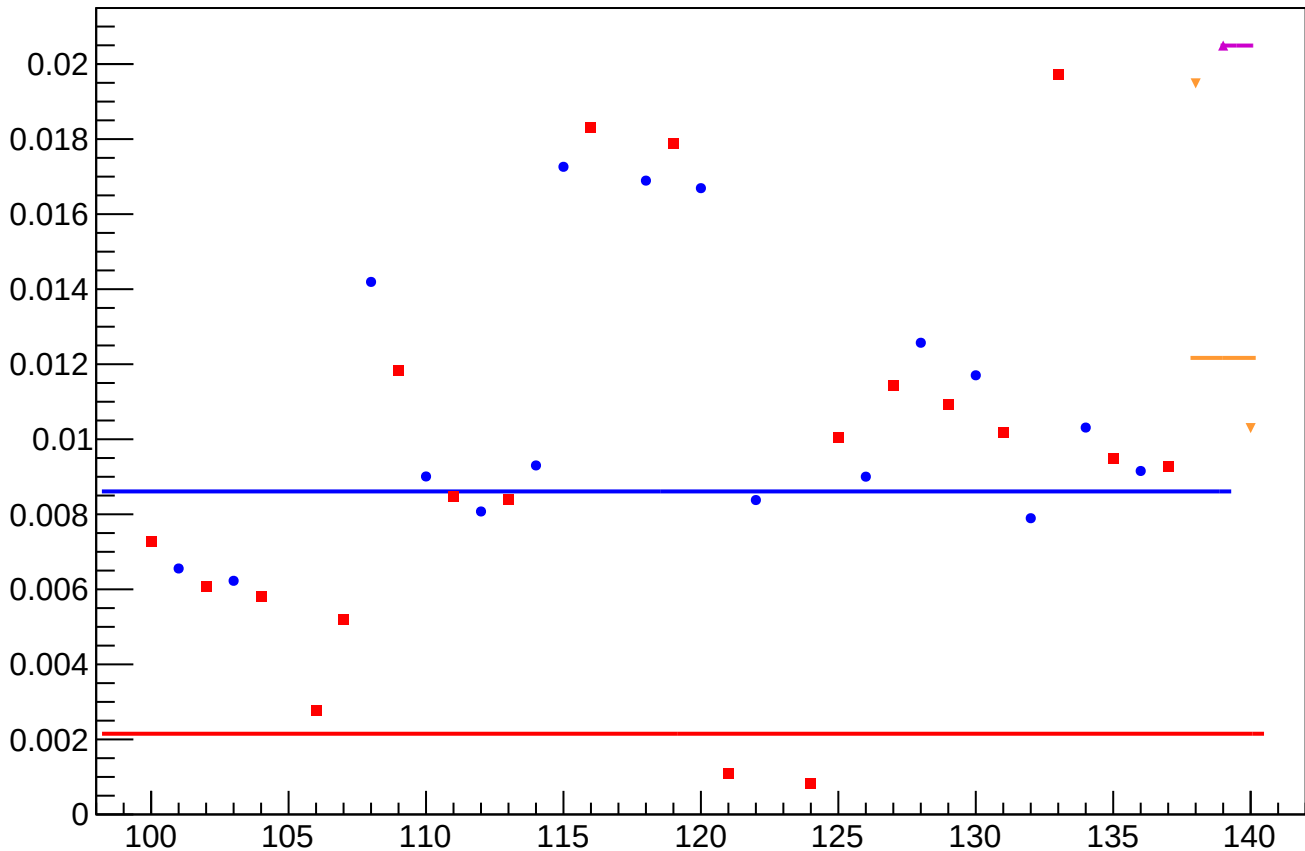
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 27.3/17

All: -0.000 $\pm$ 0.000 χ^2/NDF : 42.8/37

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 15.0/19

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1114251.2/15

Left Out: 0.012+/-0.000 χ^2/NDF : 271150.5/1

Right Out: 0.002+/-0.000 χ^2/NDF : 9086978.1/18

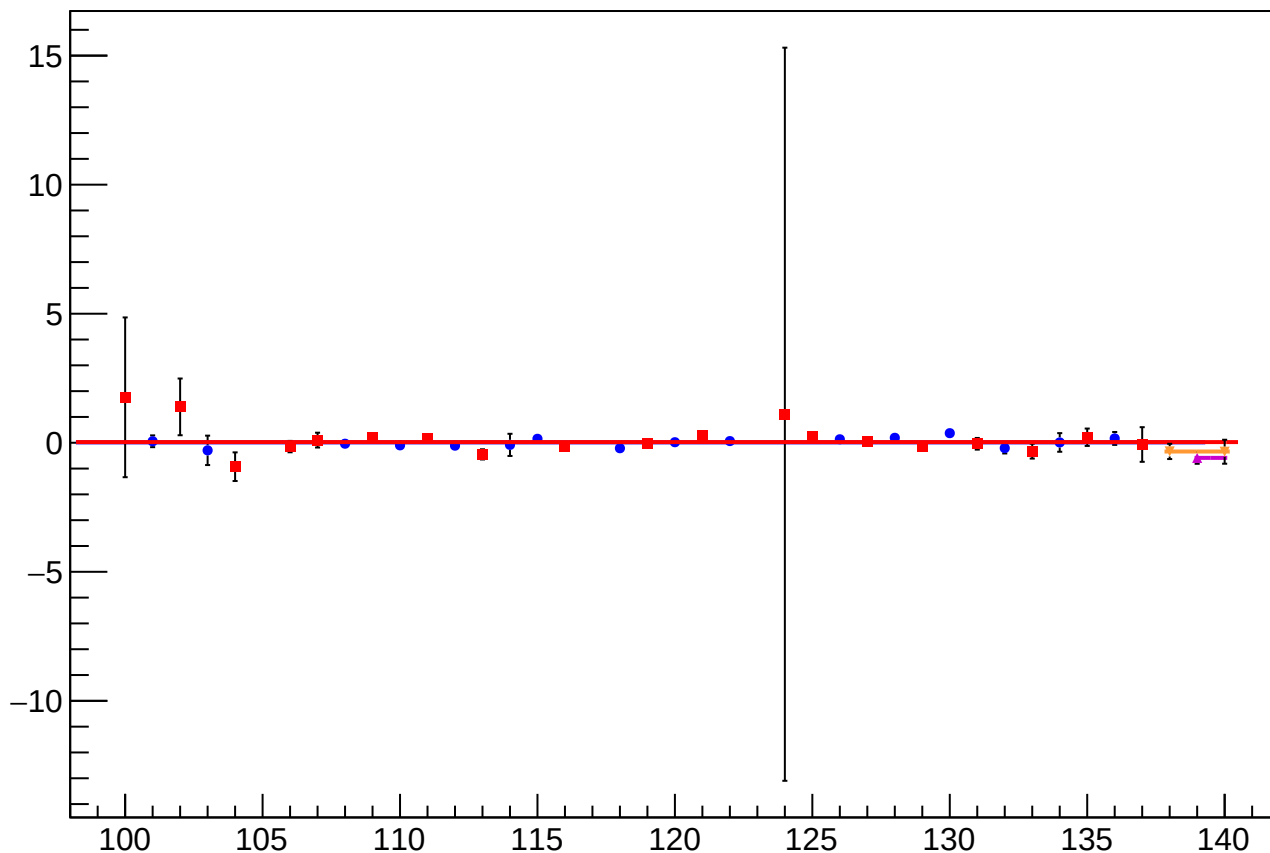
Left In: 0.020+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.009+/-0.000 χ^2/NDF : 1610861.3/17

All: 0.003+/-0.000 χ^2/NDF : 19634201.8/37

- sign 0.002+/-0.000 χ^2/NDF : 10430694.3/19

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.048 χ^2 /NDF: 11.8/15

Left Out: -0.339 $\pm$ 0.249 χ^2 /NDF: 0.0/1

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

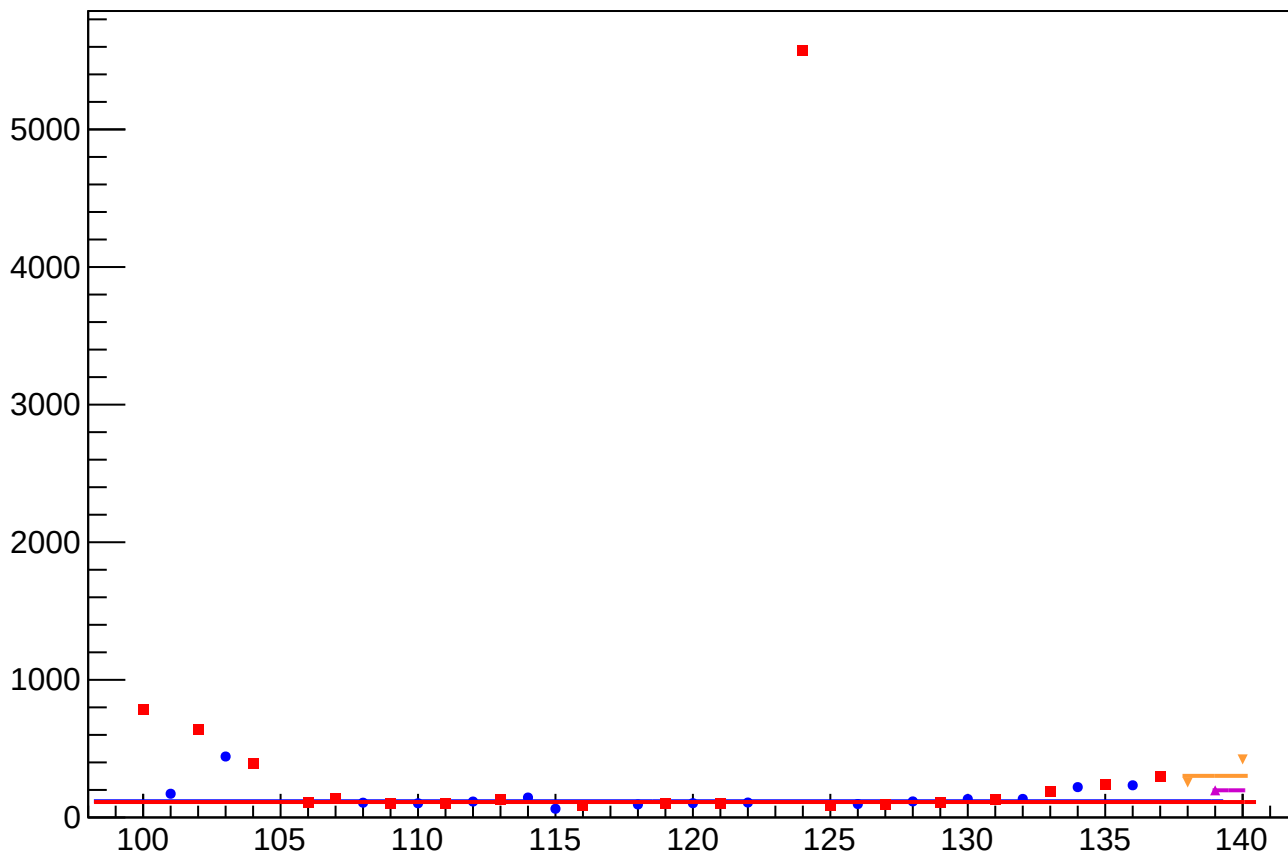
Left In: -0.586 $\pm$ 0.229 χ^2 /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.047 χ^2 /NDF: 13.8/17

All: 0.002 $\pm$ 0.033 χ^2 /NDF: 42.7/37

- sign 0.001 $\pm$ 0.046 χ^2 /NDF: 28.9/19

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722367.8/15

Left Out: 302.281 $\pm$ 0.176 χ^2 /NDF:185588.3/1

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

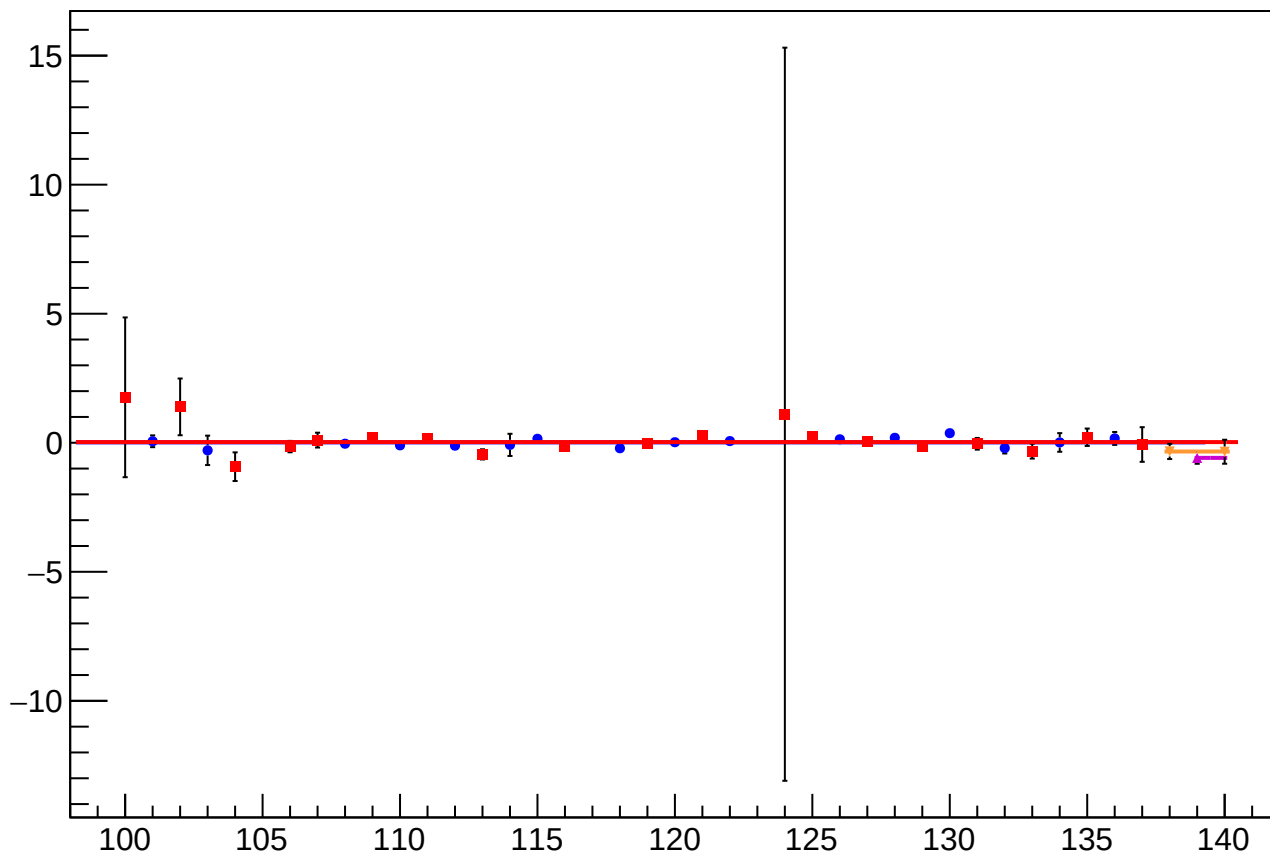
Left In: 197.334 $\pm$ 0.162 χ^2 /NDF:0.0/0

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968106.7/17

All: 119.787 $\pm$ 0.023 χ^2 /NDF: 5455477.6/37

- sign 115.553 $\pm$ 0.032 χ^2 /NDF: 2452459.0/19

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.048 χ^2 /NDF: 11.8/15

Left Out: -0.339 $\pm$ 0.249 χ^2 /NDF: 0.0/1

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

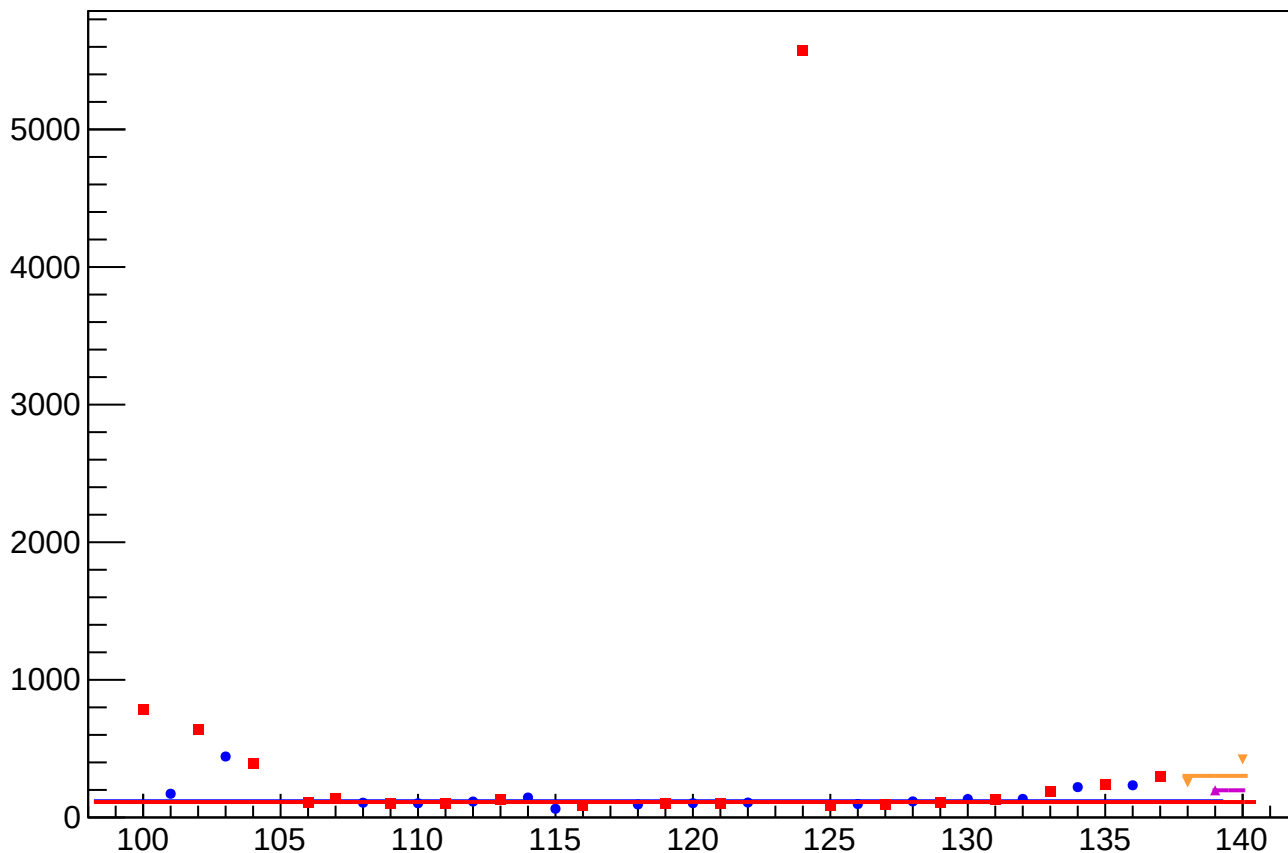
Left In: -0.586 $\pm$ 0.229 χ^2 /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.047 χ^2 /NDF: 13.8/17

All: 0.002 $\pm$ 0.033 χ^2 /NDF: 42.7/37

- sign 0.001 $\pm$ 0.046 χ^2 /NDF: 28.9/19

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722367.8/15

Left Out: 302.281 $\pm$ 0.176 χ^2 /NDF:185588.3/1

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

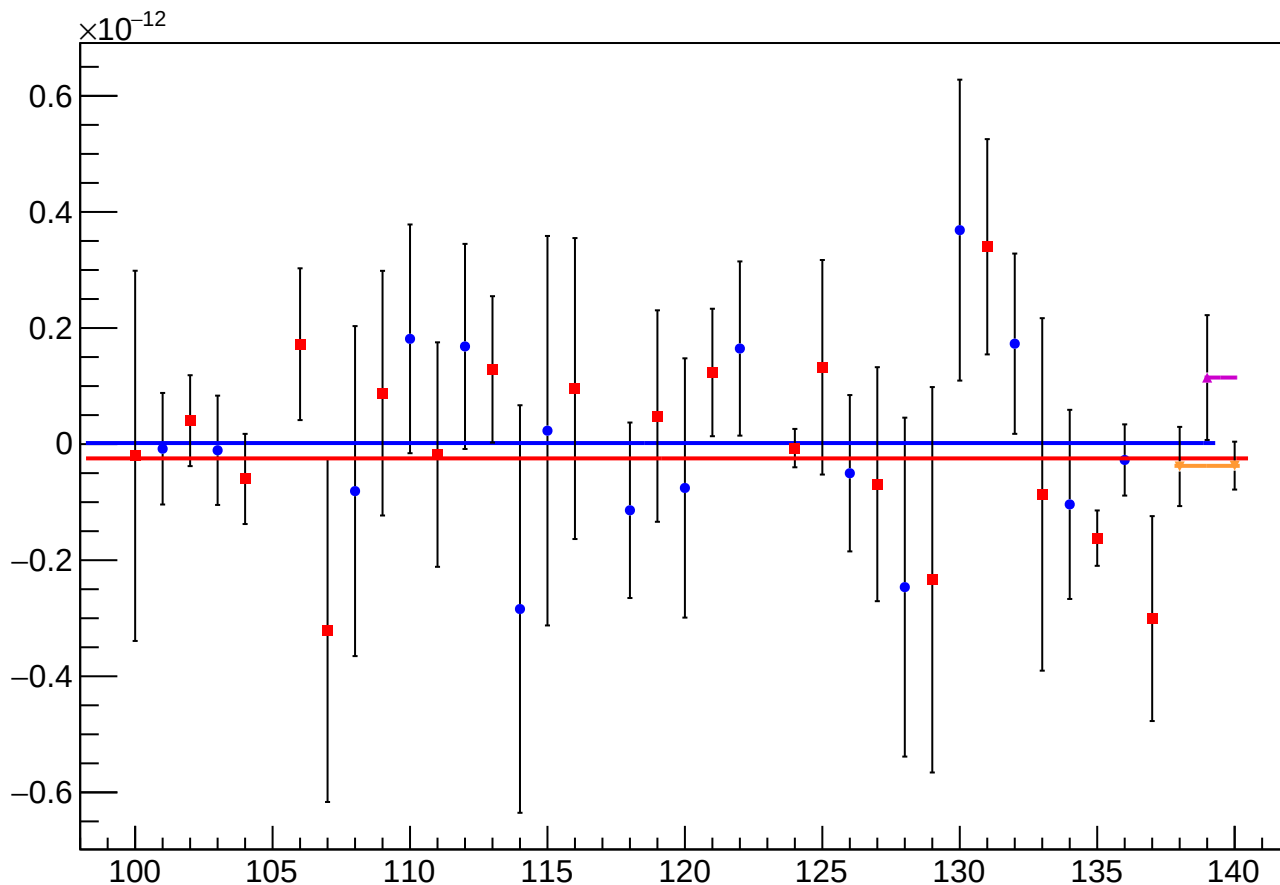
Left In: 197.334 $\pm$ 0.162 χ^2 /NDF:0.0/0

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968106.7/17

All: 119.787 $\pm$ 0.023 χ^2 /NDF: 5455477.6/37

- sign 115.553 $\pm$ 0.032 χ^2 /NDF: 2452459.0/19

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 9.1/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.2/18

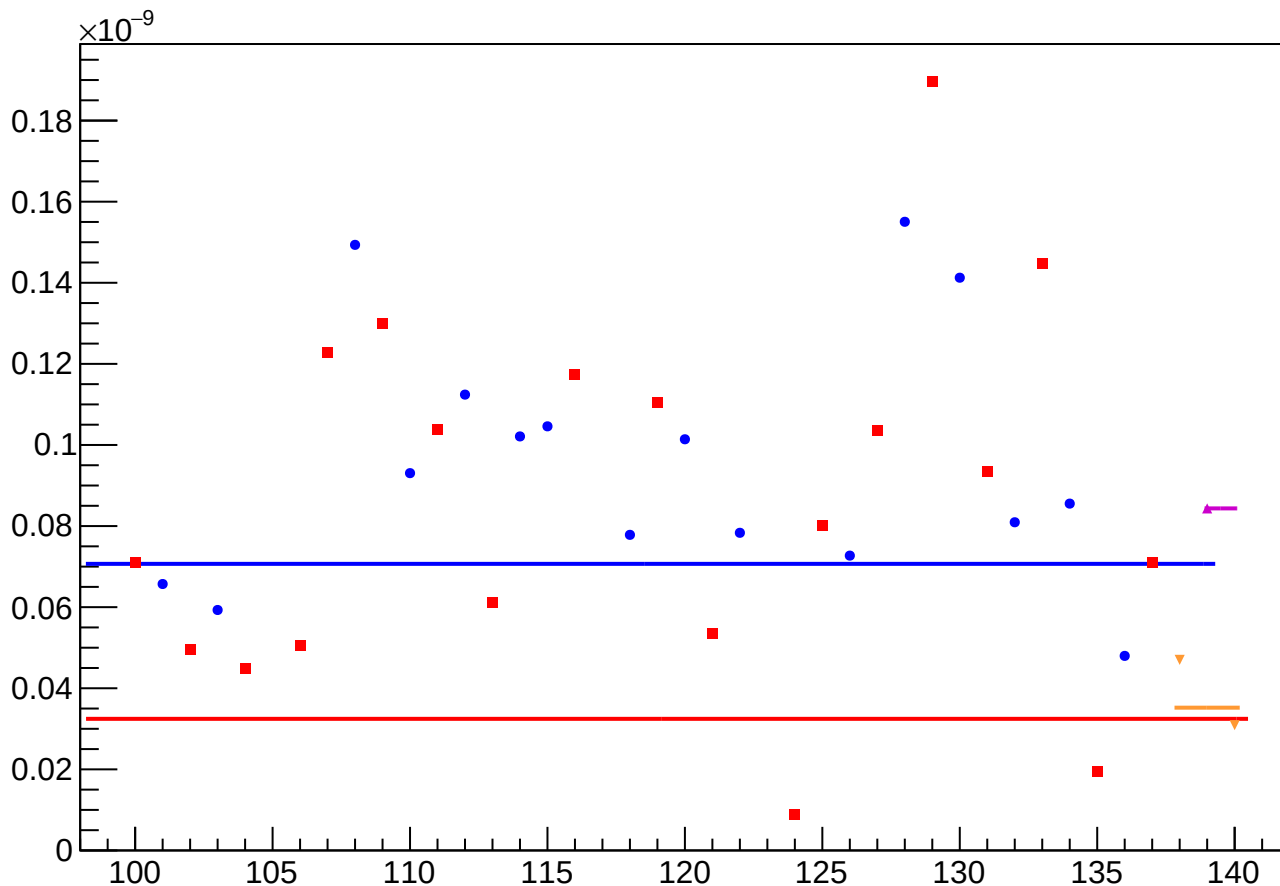
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 9.8/17

All: -0.000 ± 0.000 χ^2/NDF : 35.6/37

- sign -0.000 ± 0.000 χ^2/NDF : 25.8/19

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 81574.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4449161.8/18

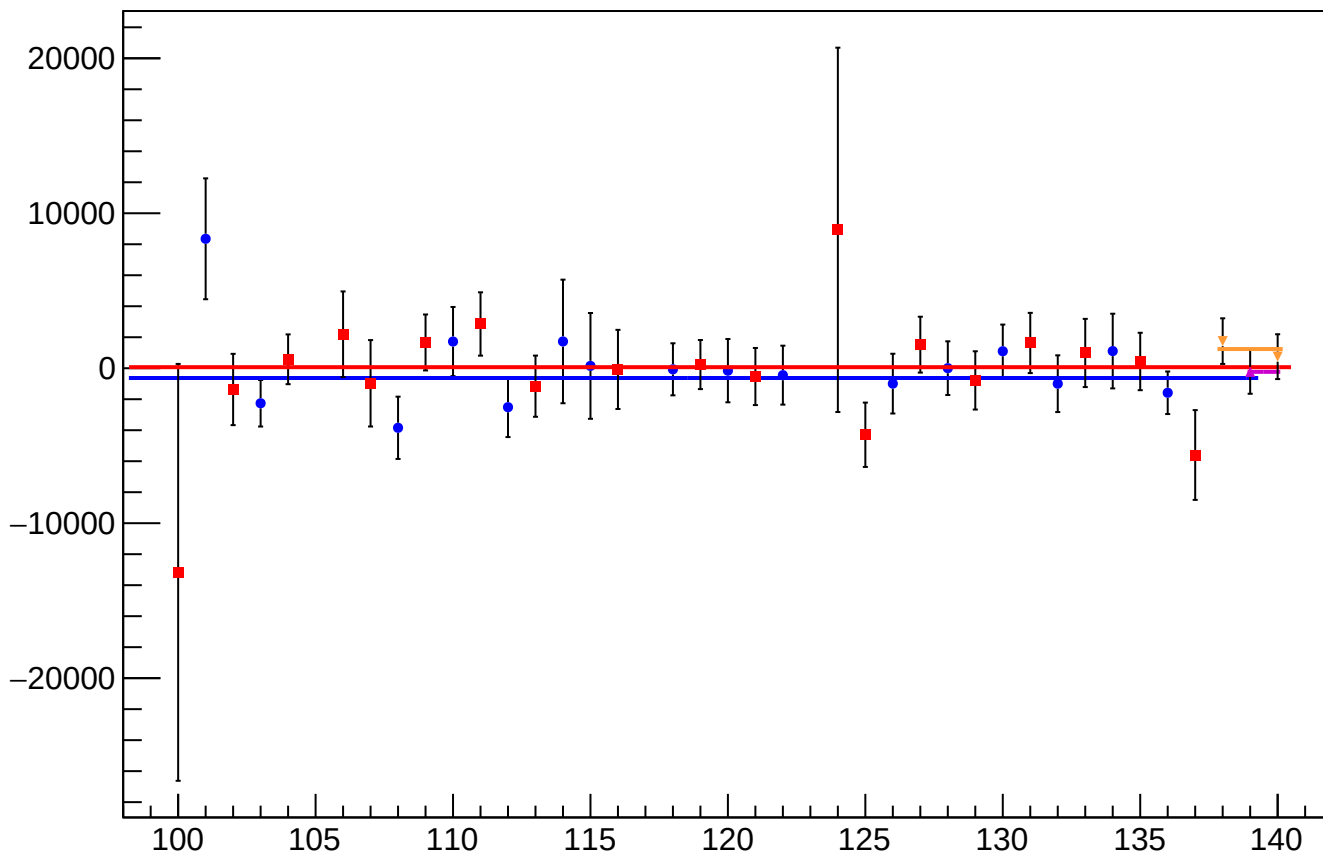
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2139432.1/17

All: 0.000+/-0.000 χ^2/NDF : 7712557.8/37

- sign 0.000+/-0.000 χ^2/NDF : 4896835.0/19

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

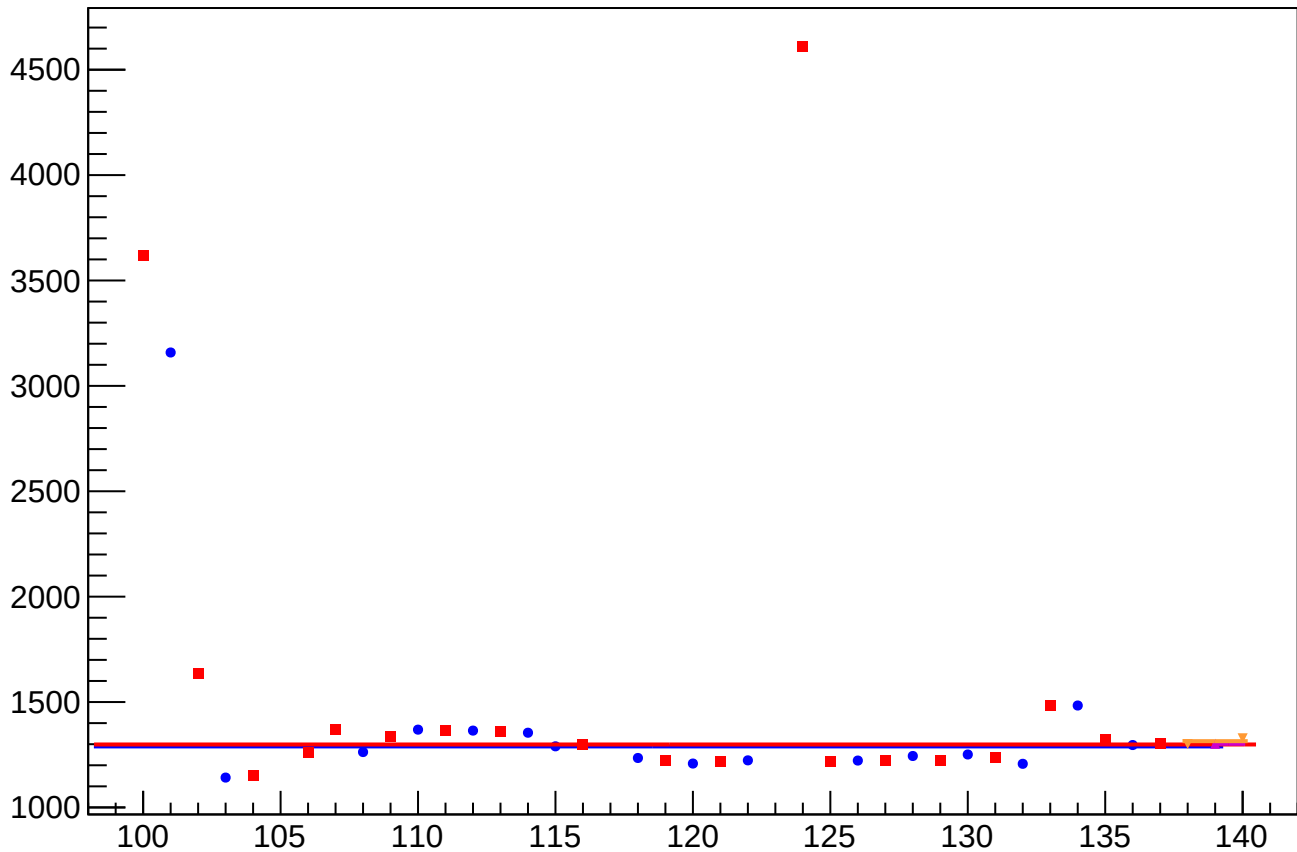
Left In: -233.052+/-1415.193 χ^2/NDF : 0.0/0

+ sign -288.393+/-441.622 χ^2/NDF : 16.8/17

All: -133.343+/-318.951 χ^2/NDF : 33.0/37

- sign 35.715+/-461.139 χ^2/NDF : 15.9/19

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514675.0/15

Left Out: 1314.384 $\pm$ 0.729 χ^2 /NDF: 353.5/1

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

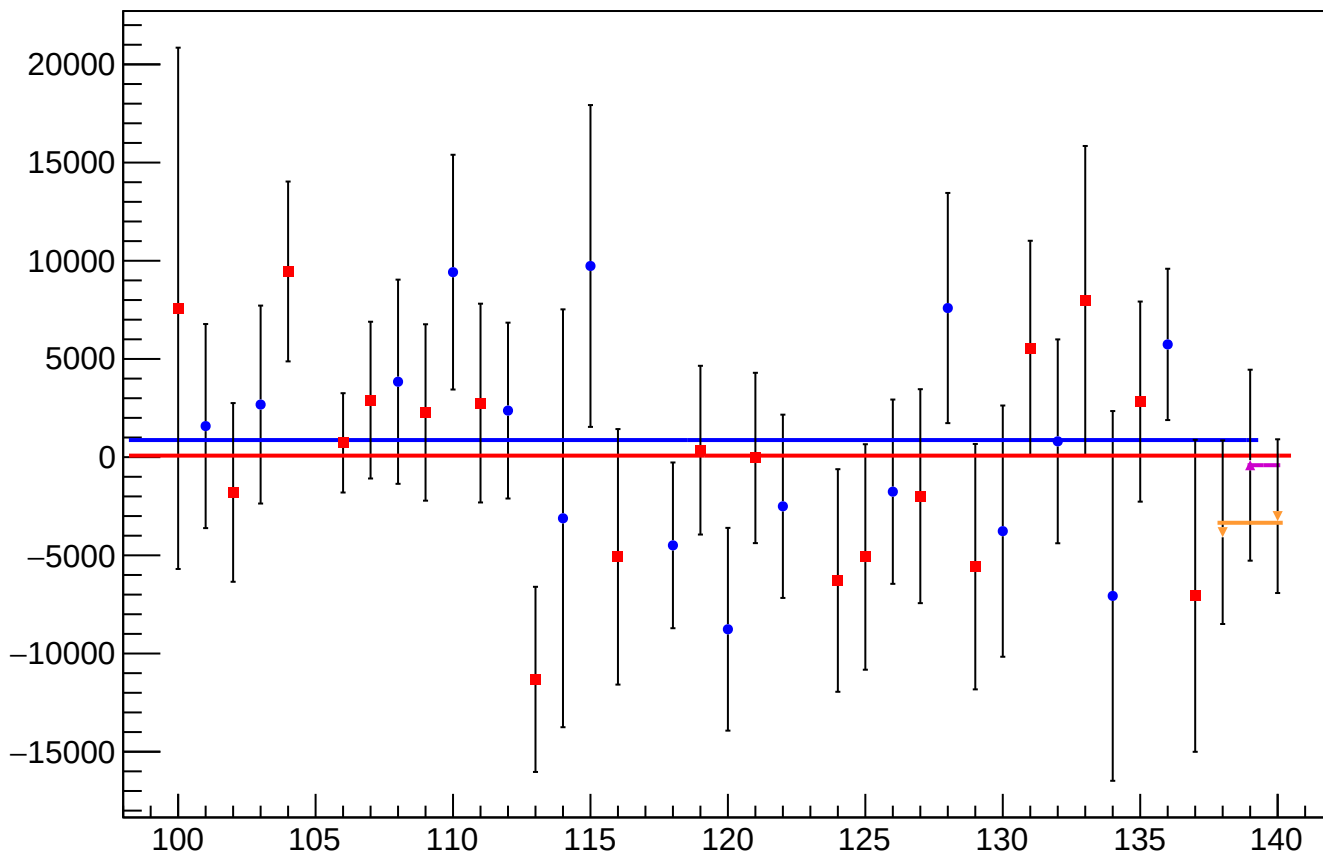
Left In: 1301.933 $\pm$ 1.001 χ^2 /NDF: 0.0/0

+ sign 1294.033 $\pm$ 0.312 χ^2 /NDF: 515981.5/17

All: 1296.416 $\pm$ 0.225 χ^2 /NDF: 835487.4/37

- sign 1299.002 $\pm$ 0.325 χ^2 /NDF: 319384.4/19

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 870.295 $\pm$ 1325.278 χ^2 /NDF: 14.0/15

Left Out: -3341.980 $\pm$ 3000.918 χ^2 /NDF: 0.0/1

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

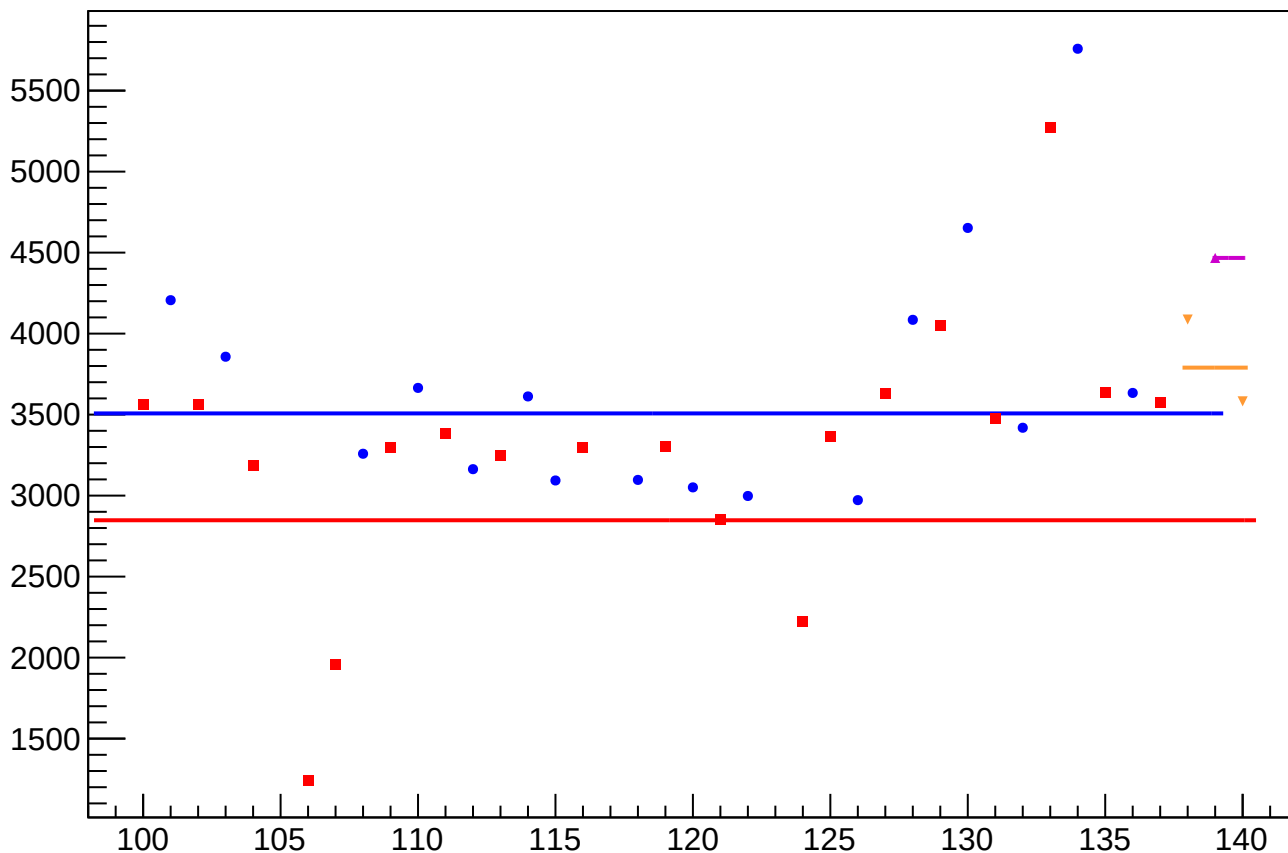
Left In: -410.082 $\pm$ 4862.047 χ^2 /NDF: 0.0/0

+ sign 182.842 $\pm$ 1212.320 χ^2 /NDF: 15.7/17

All: 110.712 $\pm$ 807.724 χ^2 /NDF: 34.1/37

- sign 53.134 $\pm$ 1083.152 χ^2 /NDF: 18.4/19

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 3507.397+/-0.937 χ^2/NDF : 353979.1/15

Left Out: 3790.009+/-2.122 χ^2/NDF : 13720.0/1

Right Out: 2847.833+/-0.786 χ^2/NDF : 1499373.6/18

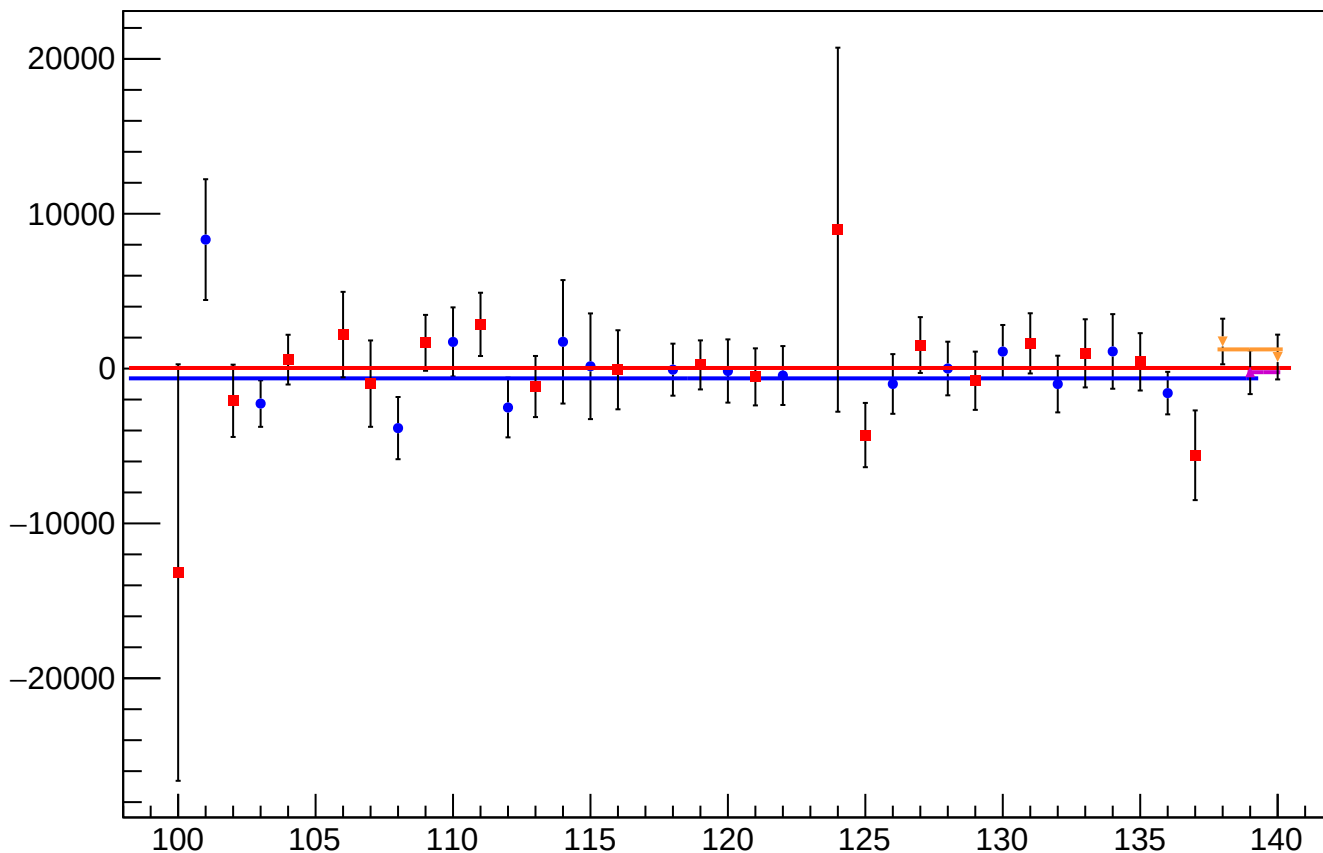
Left In: 4467.227+/-3.438 χ^2/NDF : 0.0/0

+ sign 3553.520+/-0.857 χ^2/NDF : 382542.1/17

All: 3205.785+/-0.571 χ^2/NDF : 2388672.8/37

- sign 2928.203+/-0.766 χ^2/NDF : 1710231.3/19

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

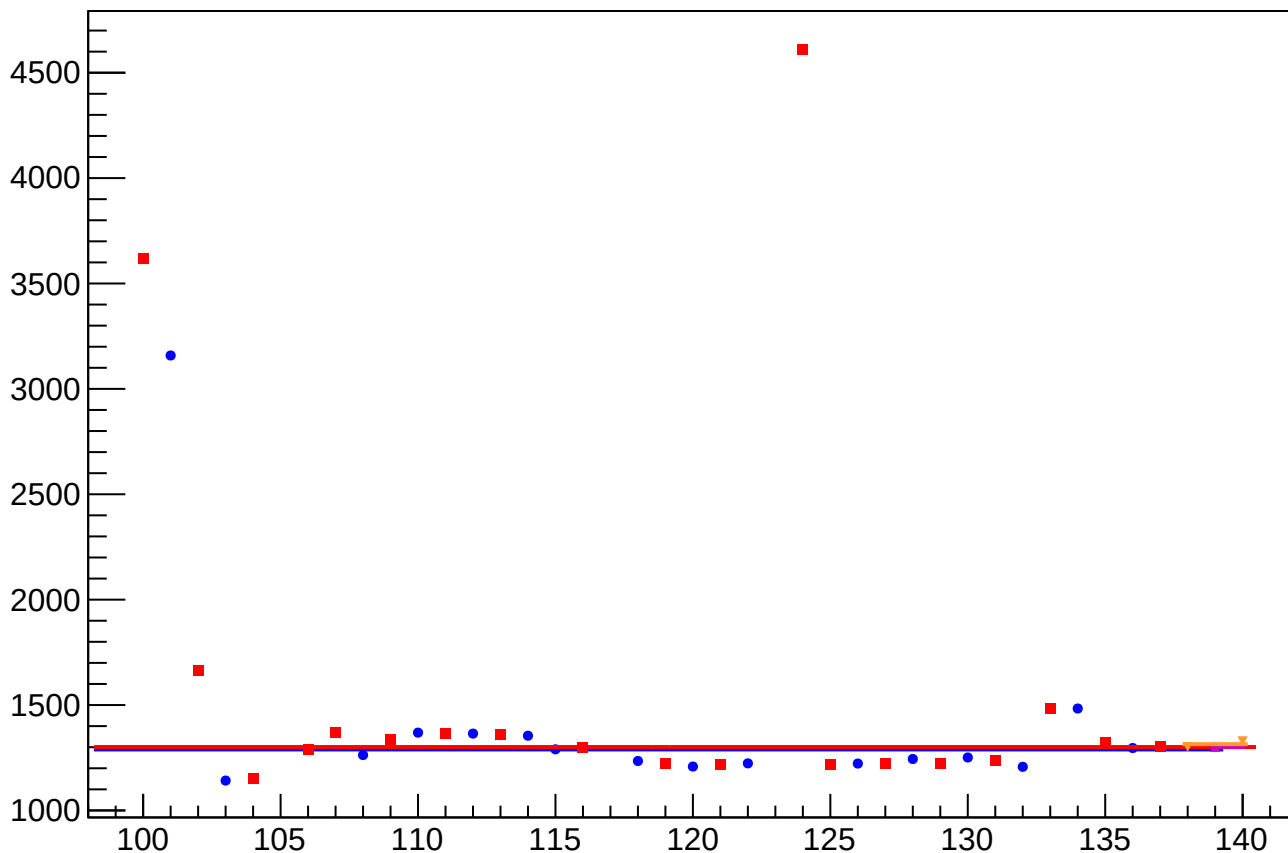
Left In: -233.286+/-1415.193 χ^2/NDF : 0.0/0

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -146.039+/-319.041 χ^2/NDF : 33.4/37

- sign 9.718+/-461.413 χ^2/NDF : 16.4/19

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF : 325907.6/18

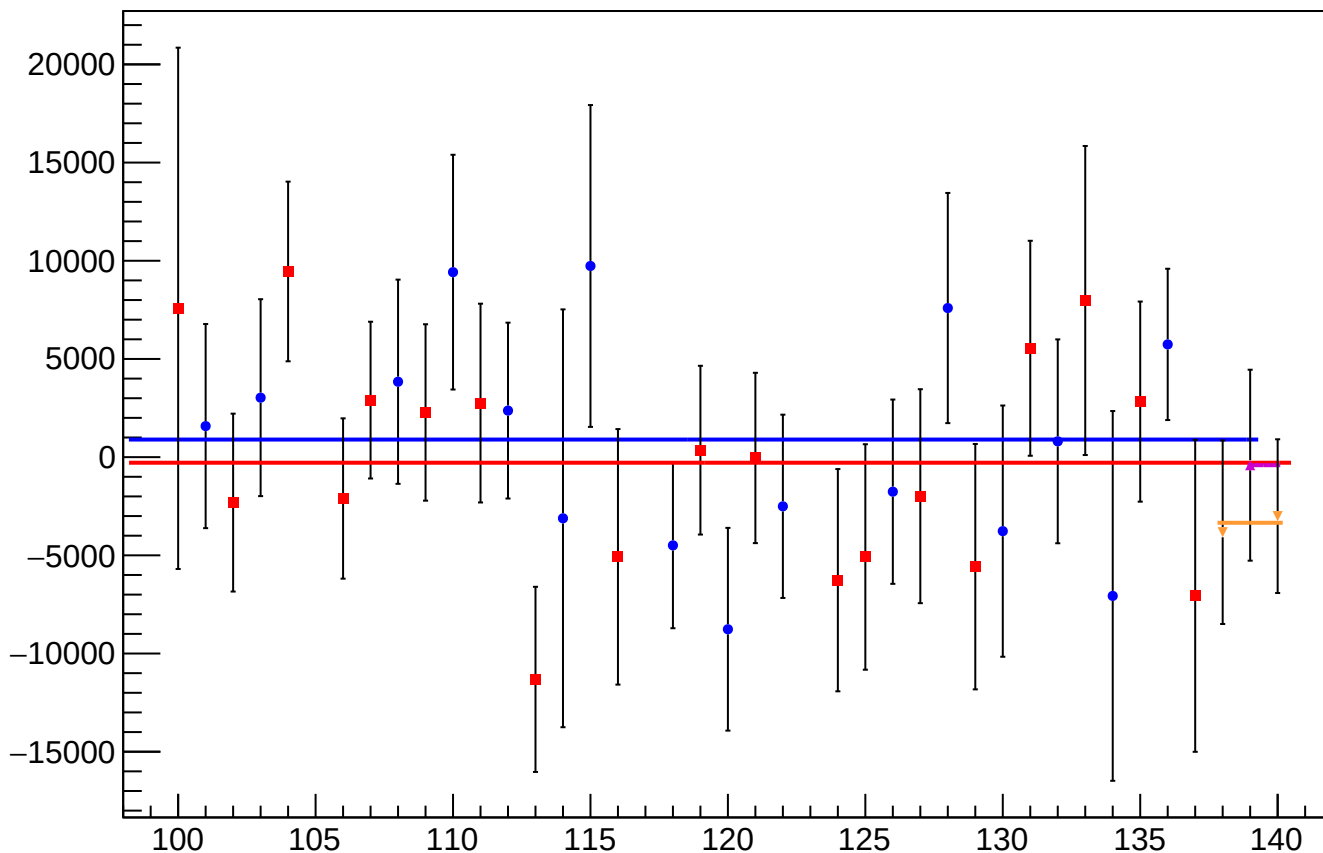
Left In: 1301.933+/-1.001 χ^2/NDF : 0.0/0

+ sign 1294.032+/-0.312 χ^2/NDF : 515983.0/17

All: 1297.281+/-0.225 χ^2/NDF : 842118.0/37

- sign 1300.816+/-0.326 χ^2/NDF : 325909.0/19

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3342.029 ± 3000.914 χ^2/NDF : 0.0/1

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

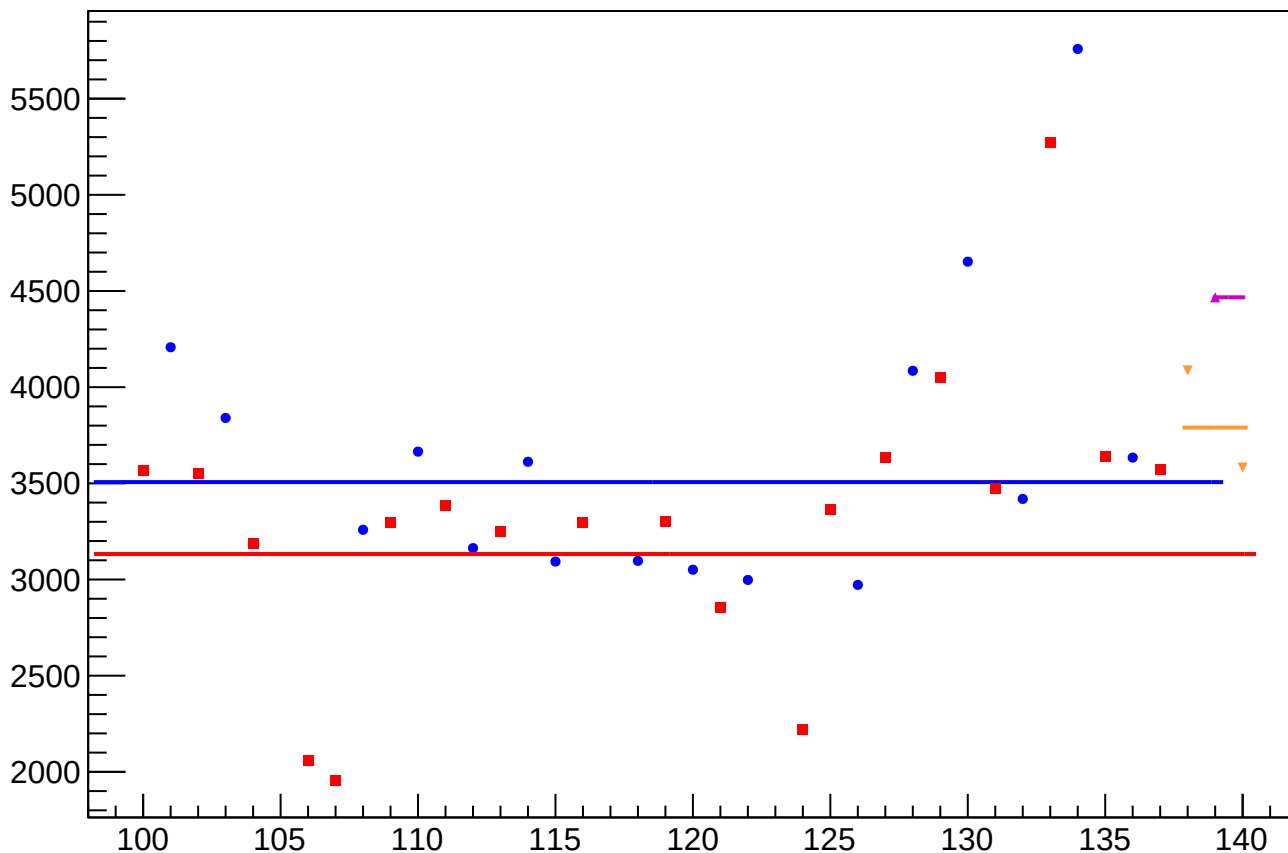
Left In: -410.057 ± 4862.030 χ^2/NDF : 0.0/0

+ sign 204.754 ± 1211.971 χ^2/NDF : 15.8/17

All: -56.209 ± 834.076 χ^2/NDF : 34.5/37

- sign -291.012 ± 1149.621 χ^2/NDF : 18.6/19

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3790.003 $\pm$ 2.122 χ^2 /NDF:13720.3/1

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

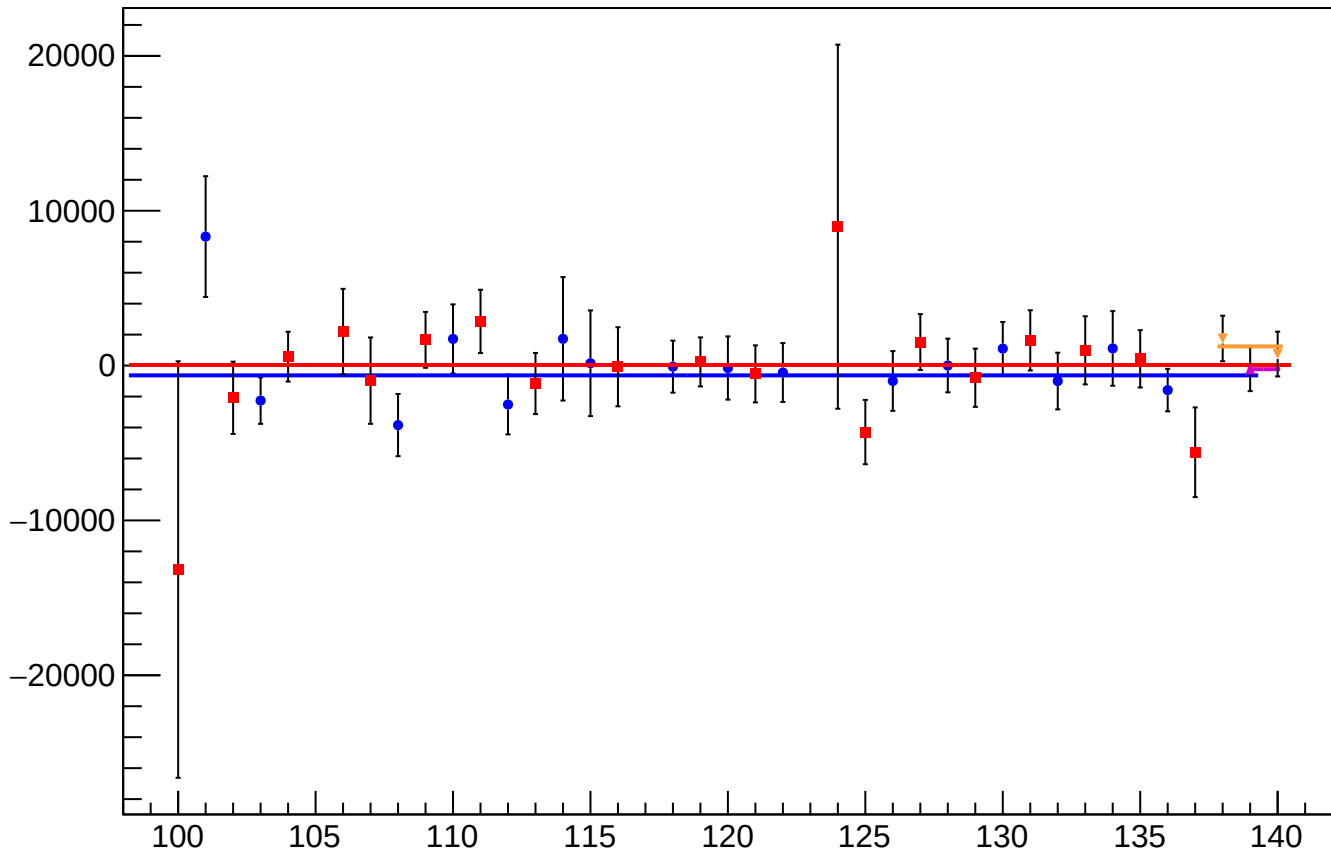
Left In: 4467.211 $\pm$ 3.438 χ^2 /NDF:0.0/0

+ sign 3552.729 $\pm$ 0.857 χ^2 /NDF: 381898.2/17

All: 3370.850 $\pm$ 0.590 χ^2 /NDF: 1259351.3/37

- sign 3207.203 $\pm$ 0.813 χ^2 /NDF: 791885.7/19

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: 1238.609 ± 1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

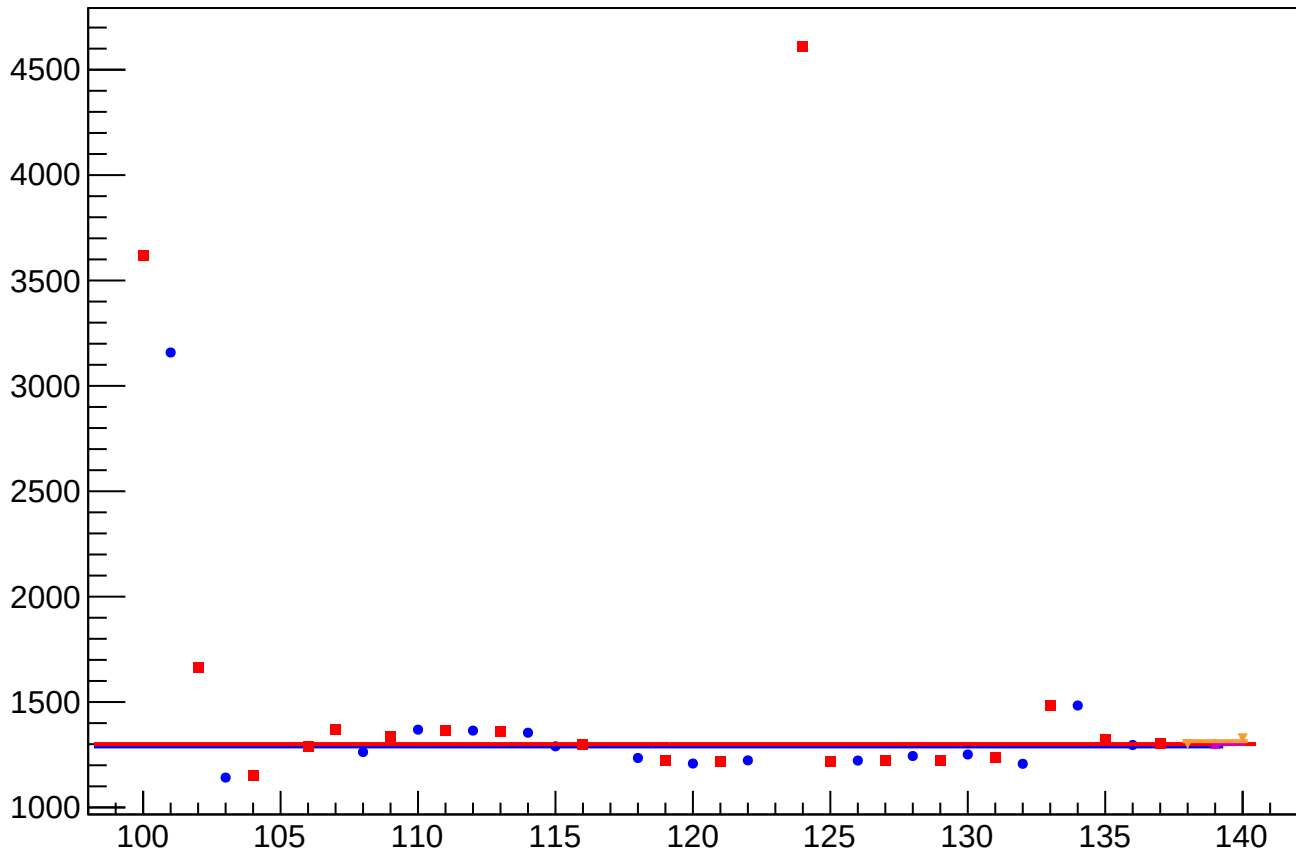
Left In: -233.286 ± 1415.193 χ^2/NDF : 0.0/0

+ sign -288.722 ± 441.622 χ^2/NDF : 16.8/17

All: -146.039 ± 319.041 χ^2/NDF : 33.4/37

- sign 9.718 ± 461.413 χ^2/NDF : 16.4/19

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1314.384 $\pm$ 0.729 χ^2 /NDF: 353.5/1

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

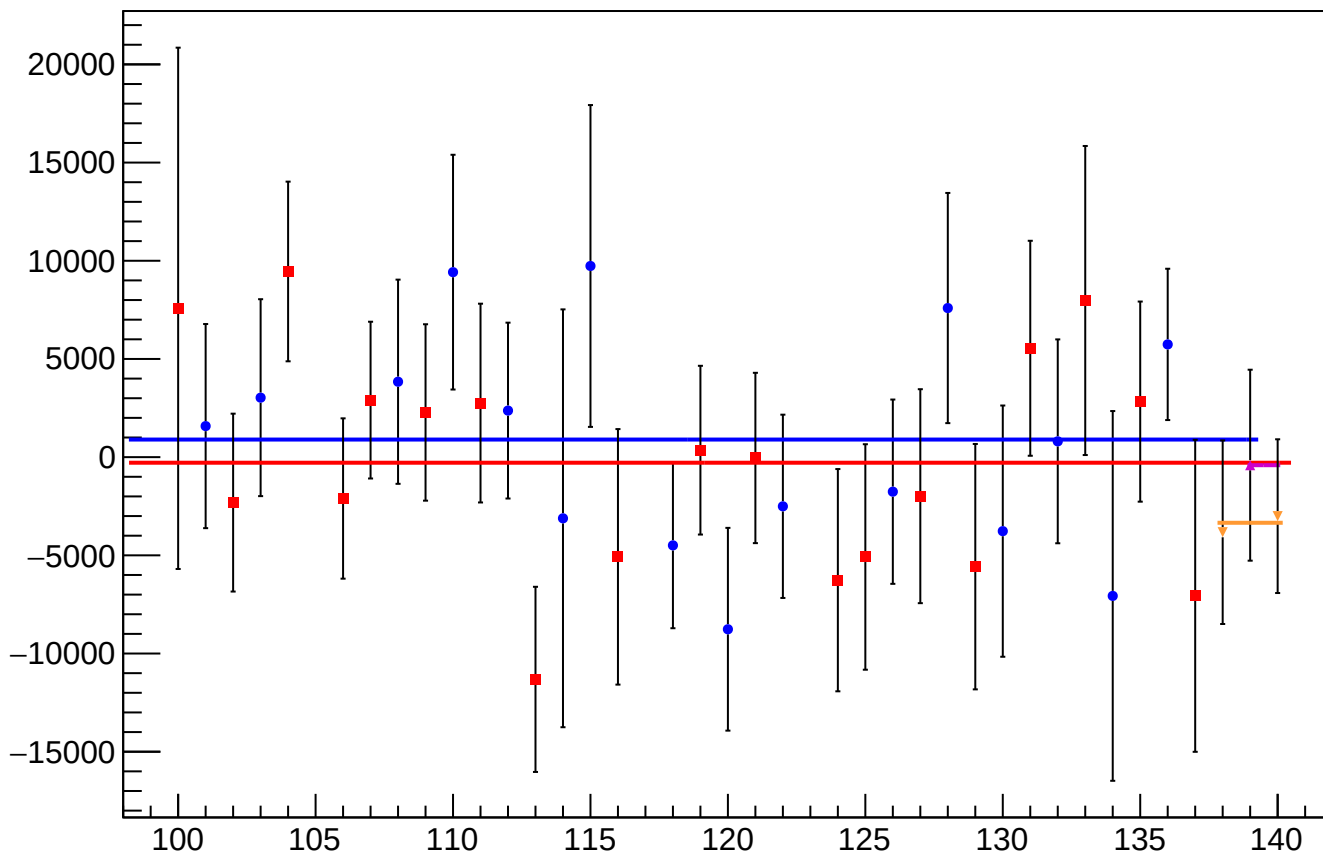
Left In: 1301.933 $\pm$ 1.001 χ^2 /NDF: 0.0/0

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1297.281 $\pm$ 0.225 χ^2 /NDF: 842118.0/37

- sign 1300.816 $\pm$ 0.326 χ^2 /NDF: 325909.0/19

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -3342.029 $\pm$ 3000.914 χ^2 /NDF:0.0/1

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

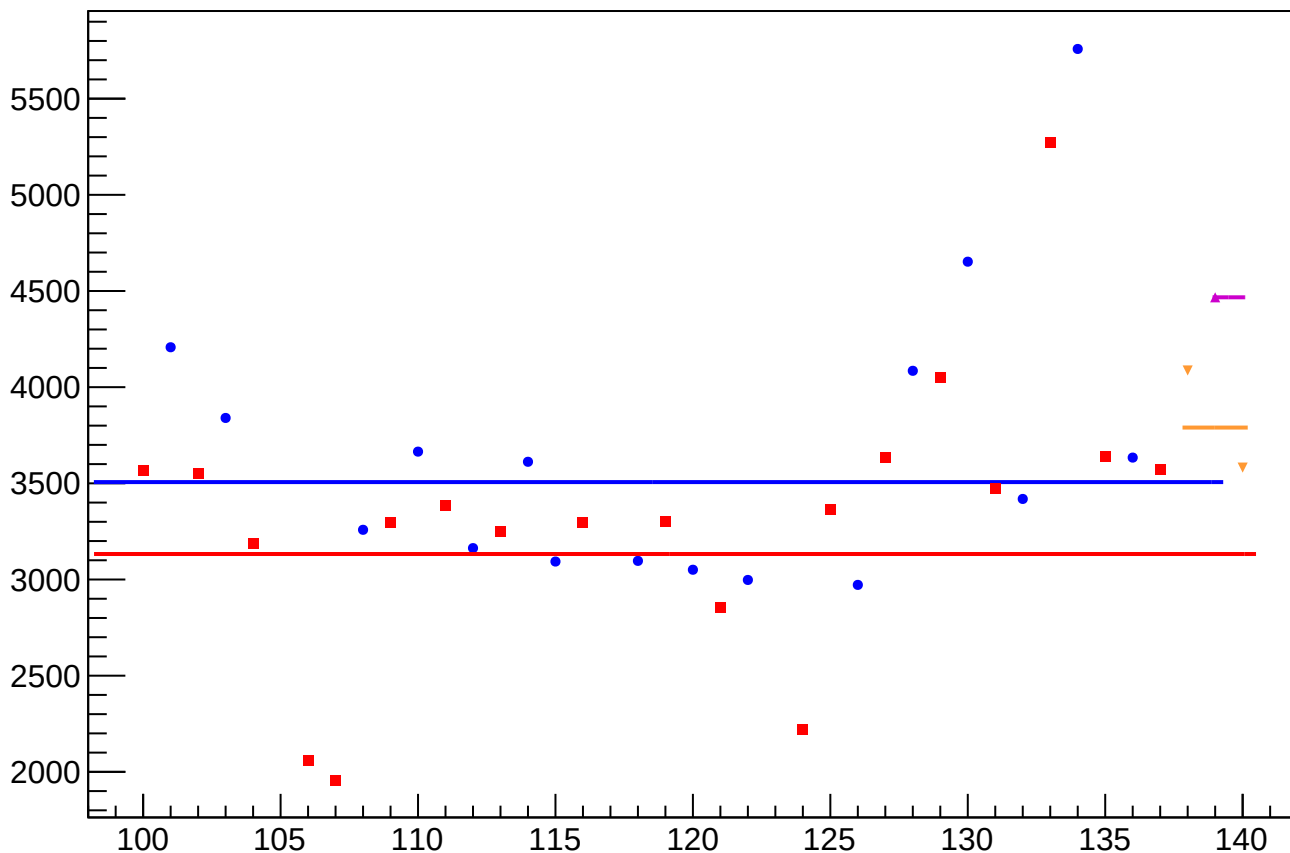
Left In: -410.057 $\pm$ 4862.030 χ^2 /NDF:0.0/0

+ sign 204.754 $\pm$ 1211.971 χ^2 /NDF: 15.8/17

All: -56.209 $\pm$ 834.076 χ^2 /NDF: 34.5/37

- sign -291.012 $\pm$ 1149.621 χ^2 /NDF: 18.6/19

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3790.003 $\pm$ 2.122 χ^2 /NDF:13720.3/1

+ sign 3552.729 $\pm$ 0.857 χ^2 /NDF: 381898.2/17

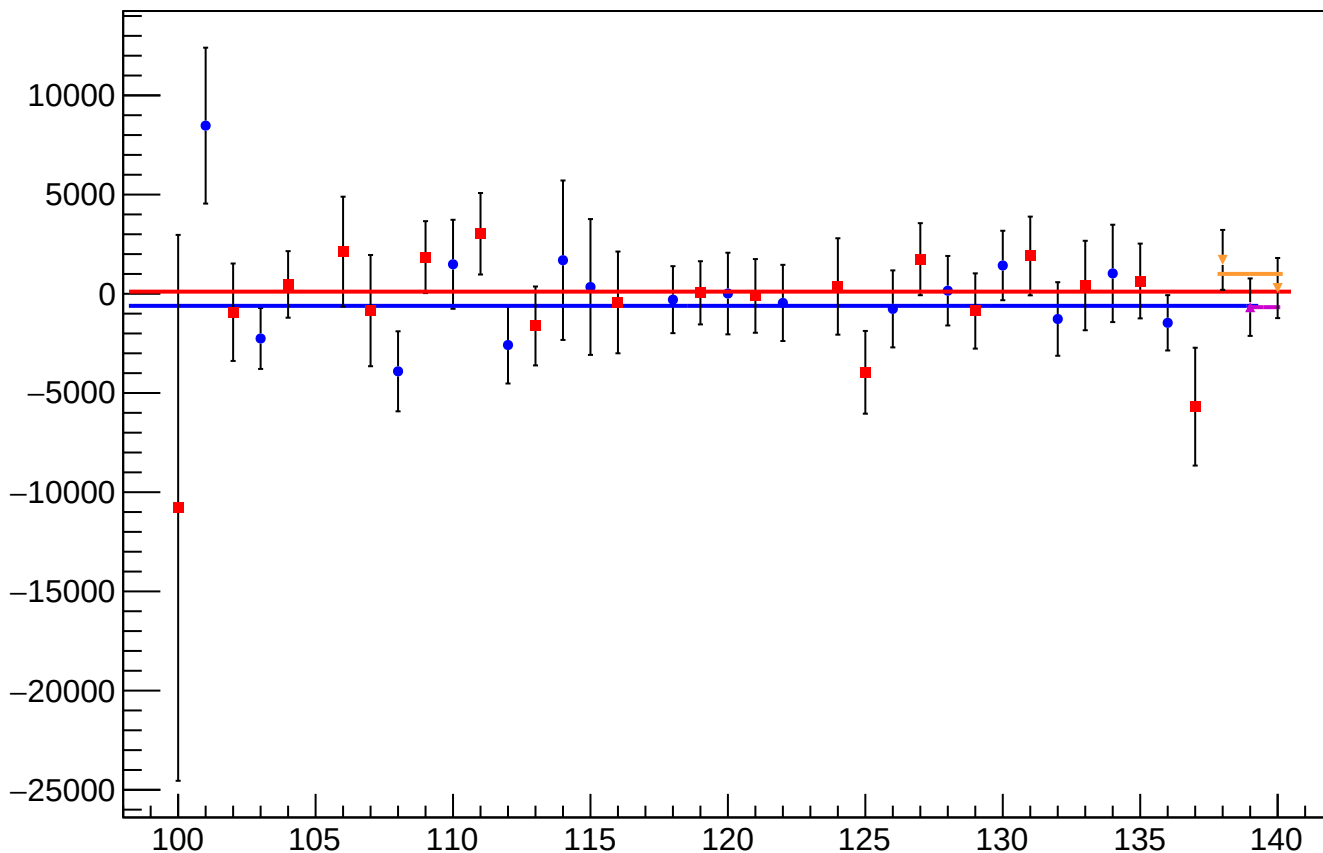
Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

All: 3370.850 $\pm$ 0.590 χ^2 /NDF: 1259351.3/37

- sign 3207.203 $\pm$ 0.813 χ^2 /NDF: 791885.7/19

Left In: 4467.211 $\pm$ 3.438 χ^2 /NDF:0.0/0

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831 ± 494.182 $\chi^2/\text{NDF}: 14.1/15$

Left Out: 1001.801 ± 1069.457 $\chi^2/\text{NDF}: 0.4/1$

Right Out: 108.614 ± 485.552 $\chi^2/\text{NDF}: 14.9/18$

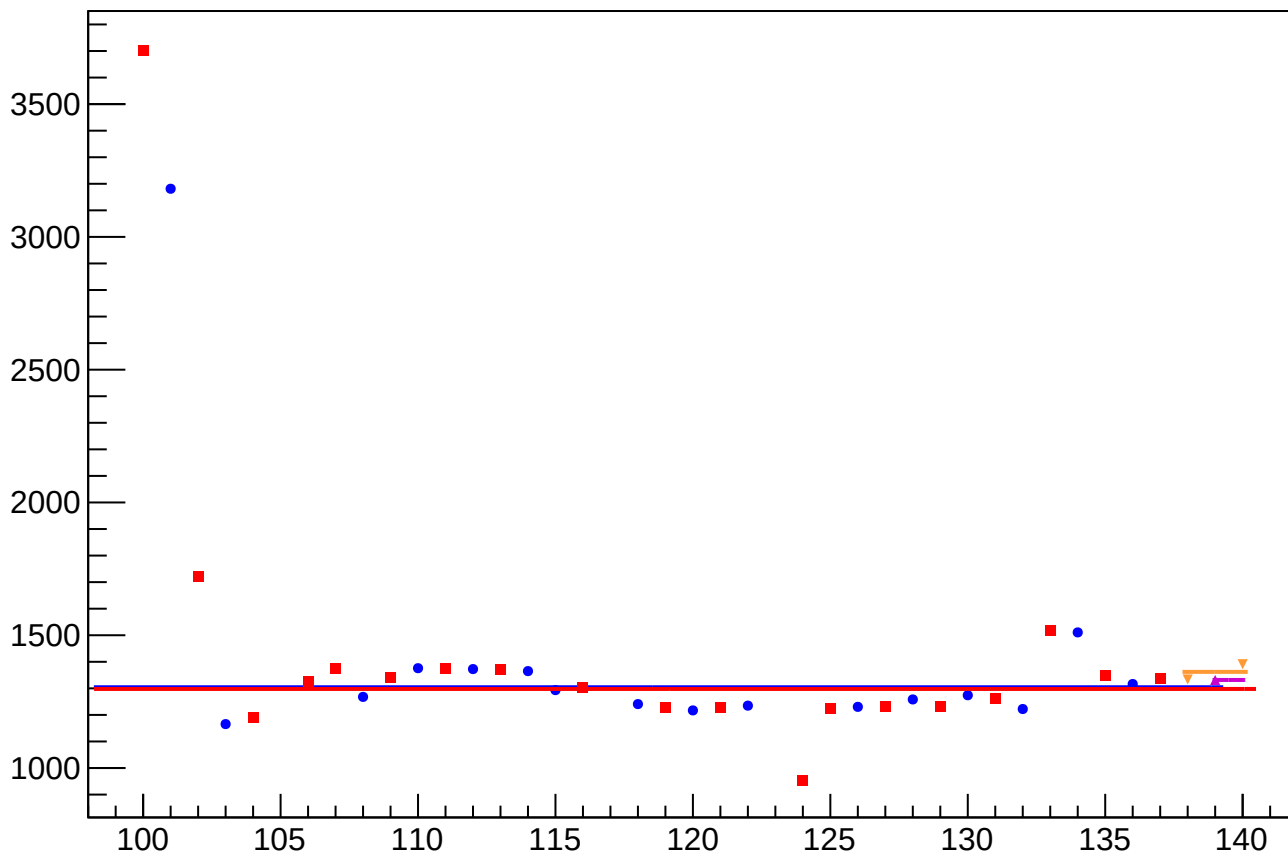
Left In: -674.162 ± 1448.021 $\chi^2/\text{NDF}: 0.0/0$

+ sign -324.610 ± 448.603 $\chi^2/\text{NDF}: 16.4/17$

All: -152.137 ± 321.287 $\chi^2/\text{NDF}: 31.9/37$

- sign 29.495 ± 460.360 $\chi^2/\text{NDF}: 15.1/19$

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.4/15

Left Out: 1362.076 $\pm$ 0.756 χ^2 /NDF:1440.8/1

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

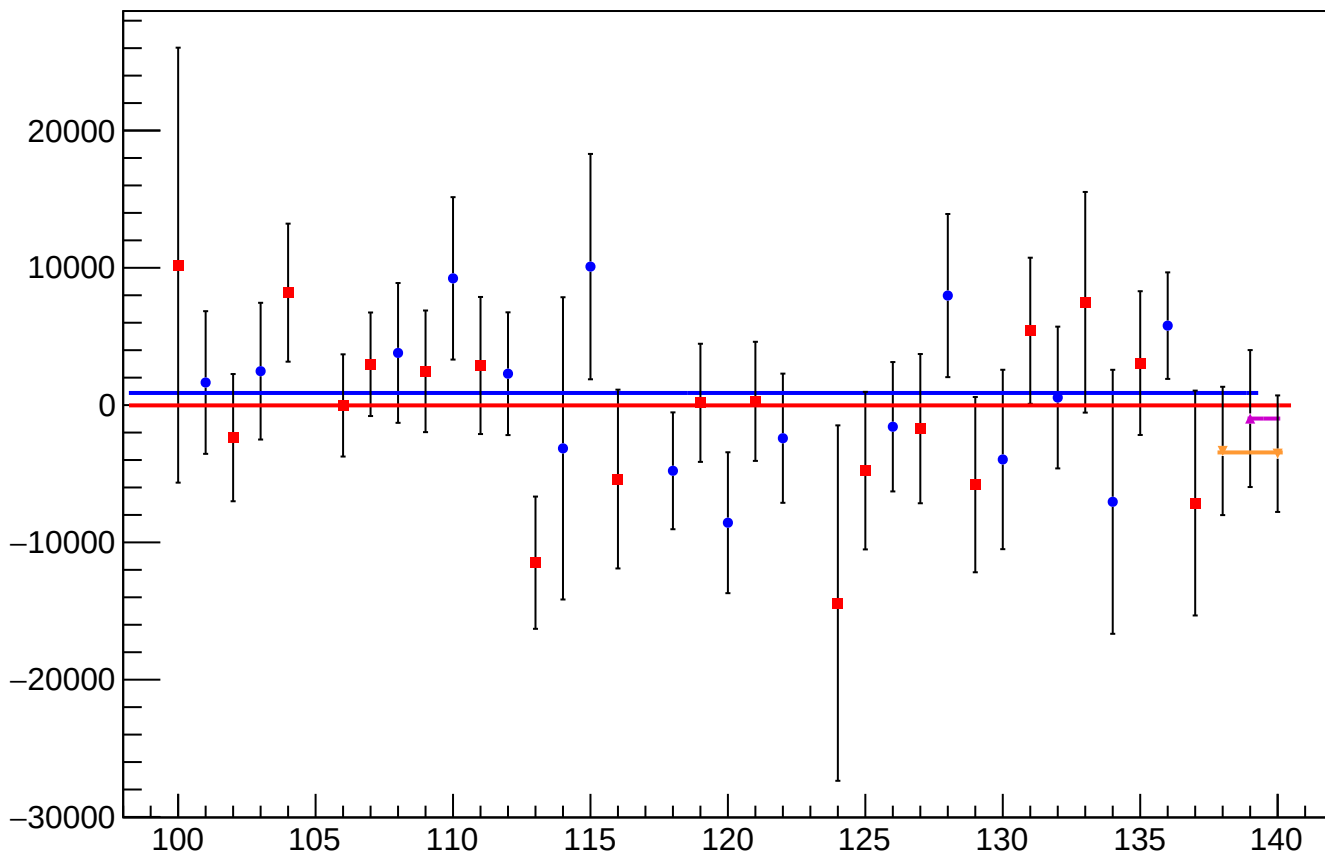
Left In: 1331.596 $\pm$ 1.024 χ^2 /NDF:0.0/0

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.2/17

All: 1307.920 $\pm$ 0.227 χ^2 /NDF: 731780.4/37

- sign 1301.208 $\pm$ 0.325 χ^2 /NDF: 214076.6/19

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug



Right In: 884.058 $\pm$ 1327.399 χ^2 /NDF: 14.1/15

Left Out: -3448.190 $\pm$ 3141.914 χ^2 /NDF: 0.0/1

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

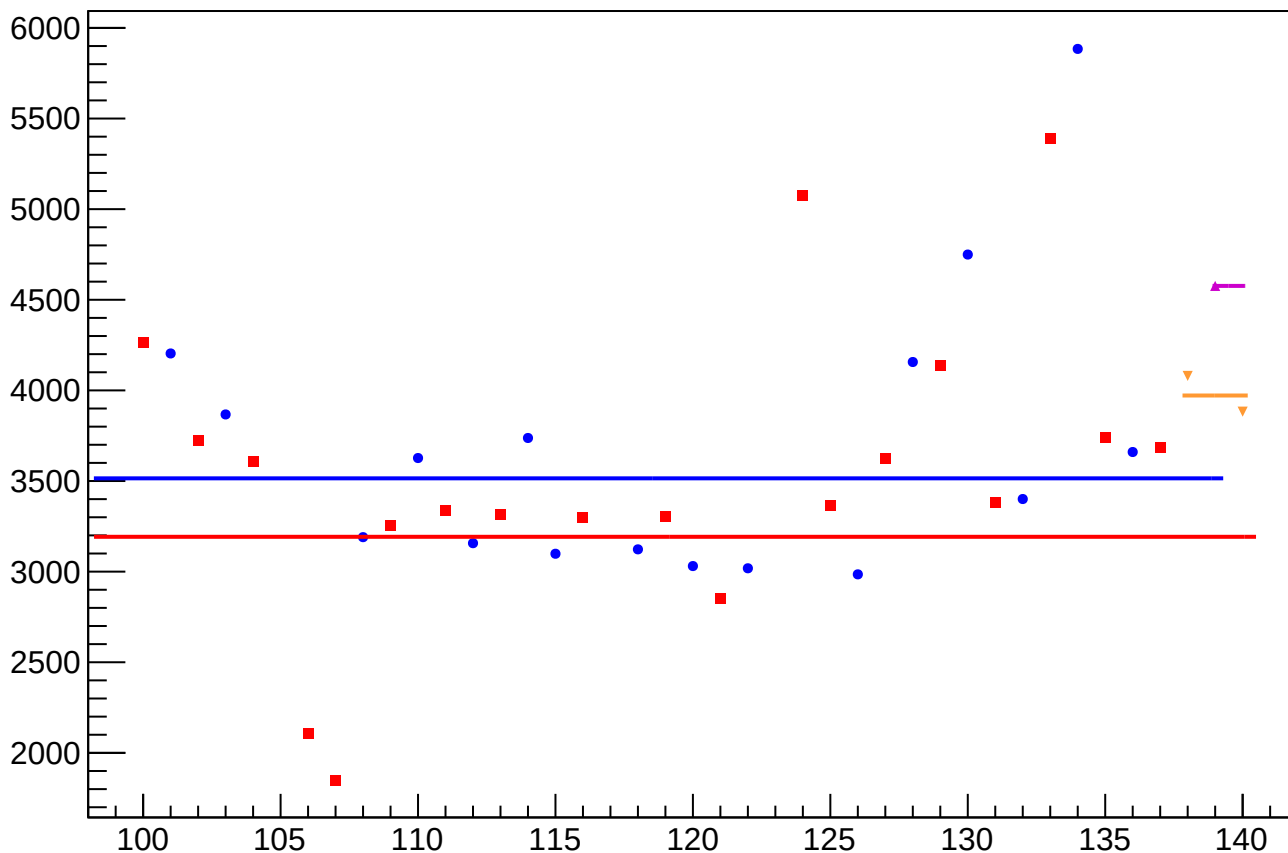
Left In: -980.044 $\pm$ 4987.994 χ^2 /NDF: 0.0/0

+ sign 227.910 $\pm$ 1222.752 χ^2 /NDF: 15.7/17

All: 70.314 $\pm$ 844.111 χ^2 /NDF: 32.6/37

- sign -73.170 $\pm$ 1166.725 χ^2 /NDF: 16.9/19

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746 $\pm$ 0.939 χ^2/NDF : 375078.6/15

Left Out: 3971.800 $\pm$ 2.222 χ^2/NDF :1950.7/1

Right Out: 3192.203 $\pm$ 0.849 χ^2/NDF : 772495.7/18

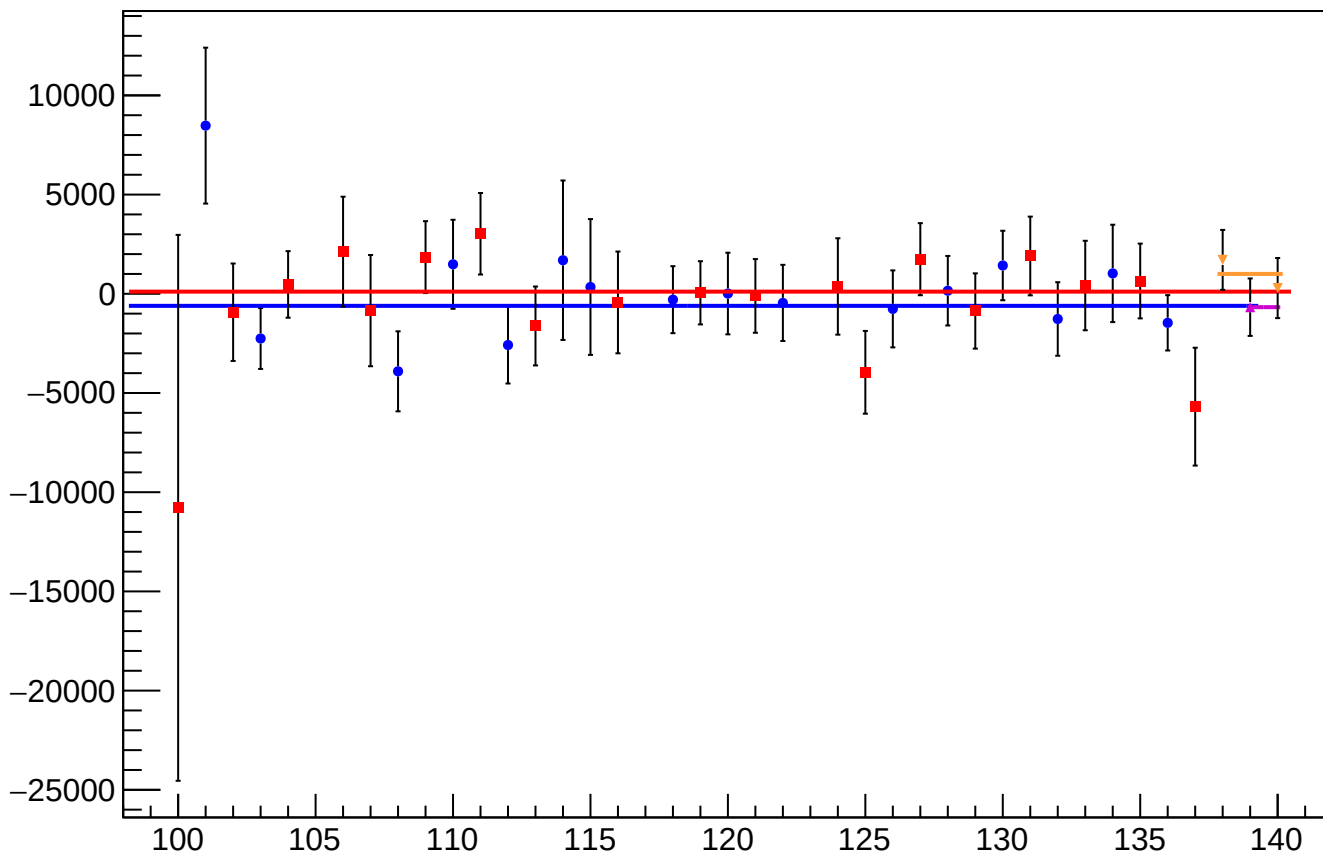
Left In: 4576.548 $\pm$ 3.527 χ^2/NDF :0.0/0

+ sign 3583.970 $\pm$ 0.865 χ^2/NDF : 412942.2/17

All: 3418.551 $\pm$ 0.597 χ^2/NDF : 1400990.5/37

- sign 3267.944 $\pm$ 0.825 χ^2/NDF : 918118.9/19

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.834 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 1001.798 ± 1069.458 χ^2/NDF : 0.4/1

Right Out: 108.619 ± 485.553 χ^2/NDF : 14.9/18

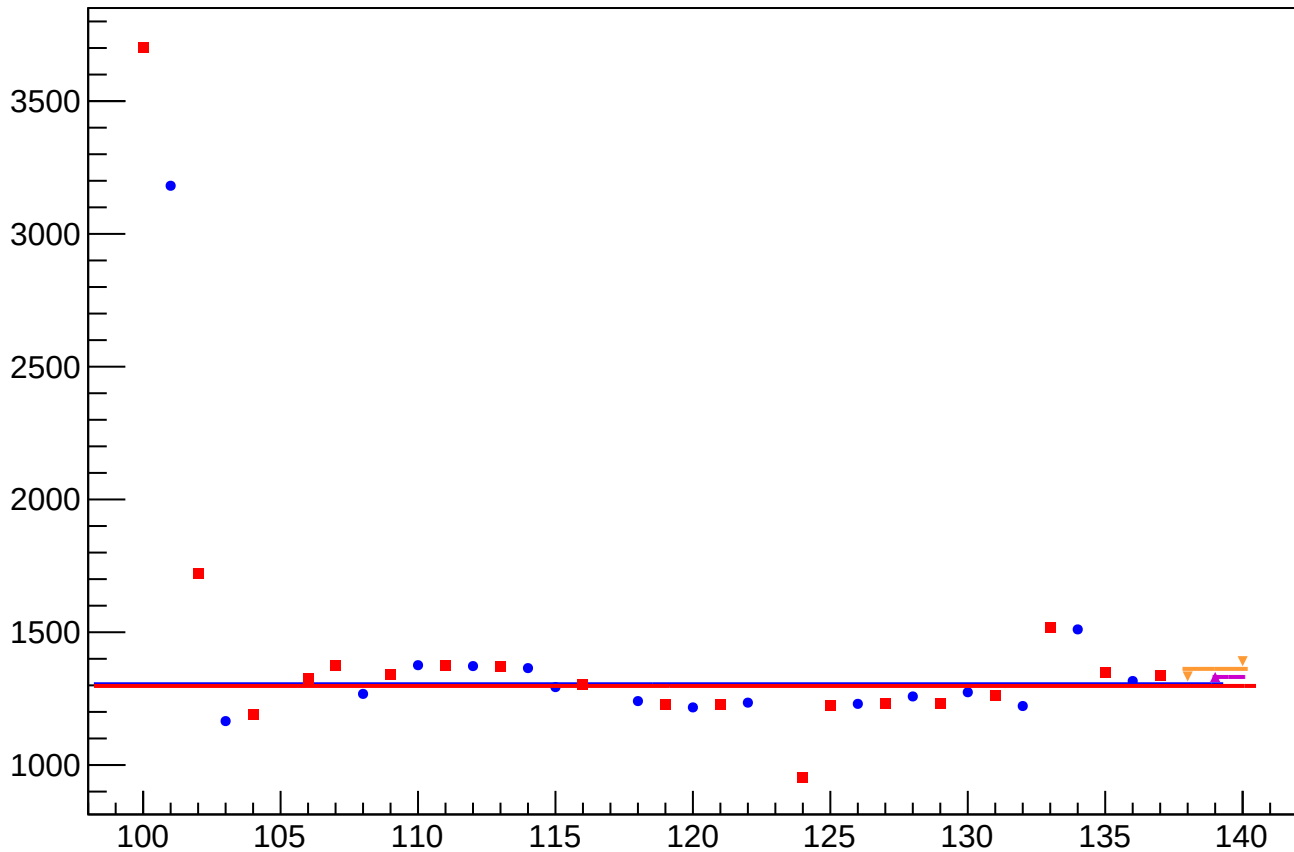
Left In: -674.178 ± 1448.023 χ^2/NDF : 0.0/0

+ sign -324.614 ± 448.603 χ^2/NDF : 16.4/17

All: -152.137 ± 321.287 χ^2/NDF : 31.9/37

- sign 29.498 ± 460.360 χ^2/NDF : 15.1/19

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: 1362.076+/-0.756 χ^2/NDF :1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF : 213097.0/18

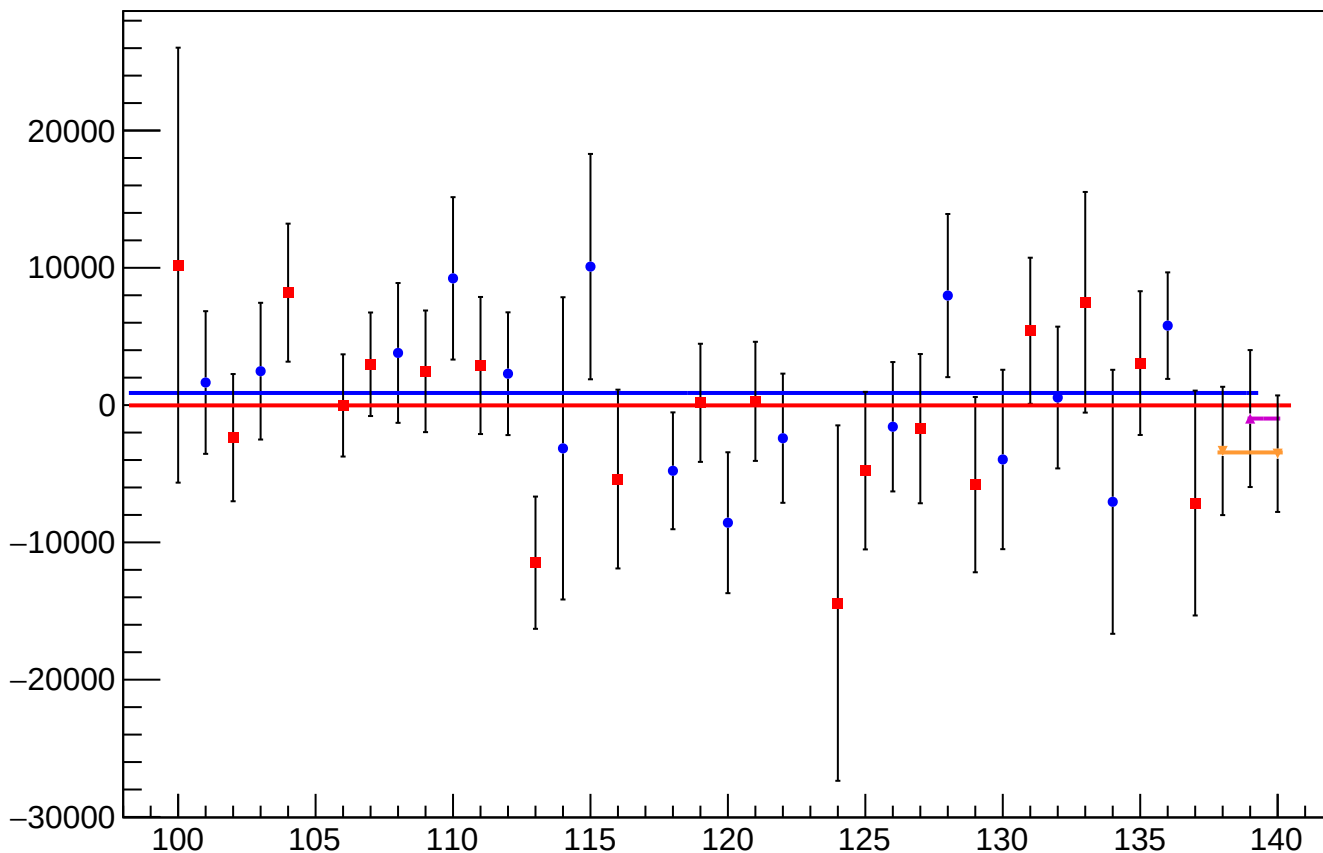
Left In: 1331.597+/-1.024 χ^2/NDF :0.0/0

+ sign 1314.303+/-0.317 χ^2/NDF : 516873.4/17

All: 1307.920+/-0.227 χ^2/NDF : 731780.8/37

- sign 1301.208+/-0.325 χ^2/NDF : 214076.8/19

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 884.047 ± 1327.396 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3448.191 ± 3141.919 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -20.677 ± 1200.012 $\chi^2/\text{NDF}: 16.8/18$

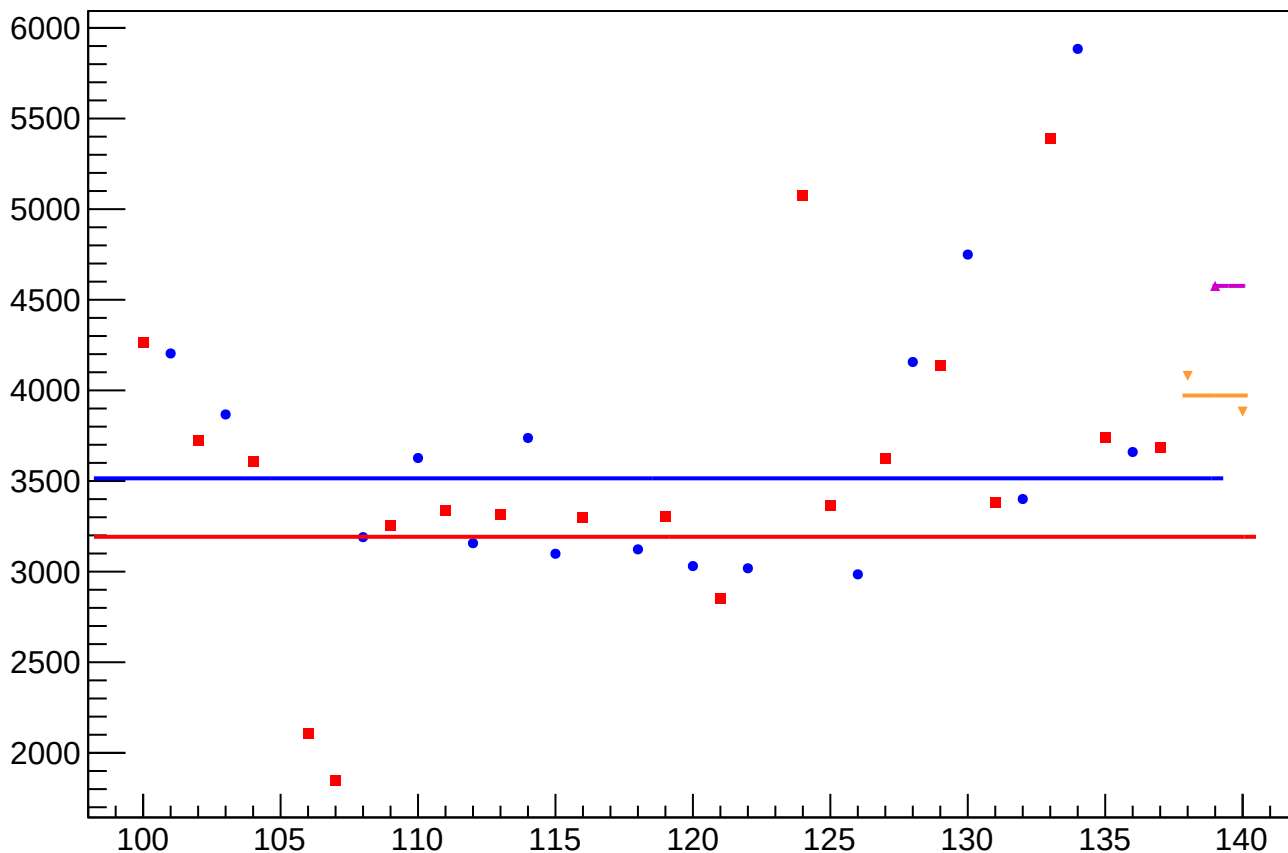
Left In: -980.063 ± 4988.009 $\chi^2/\text{NDF}: 0.0/0$

+ sign 227.905 ± 1222.750 $\chi^2/\text{NDF}: 15.7/17$

All: 70.314 ± 844.110 $\chi^2/\text{NDF}: 32.6/37$

- sign -73.167 ± 1166.723 $\chi^2/\text{NDF}: 16.9/19$

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 3971.806 $\pm$ 2.222 χ^2 /NDF:1950.9/1

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

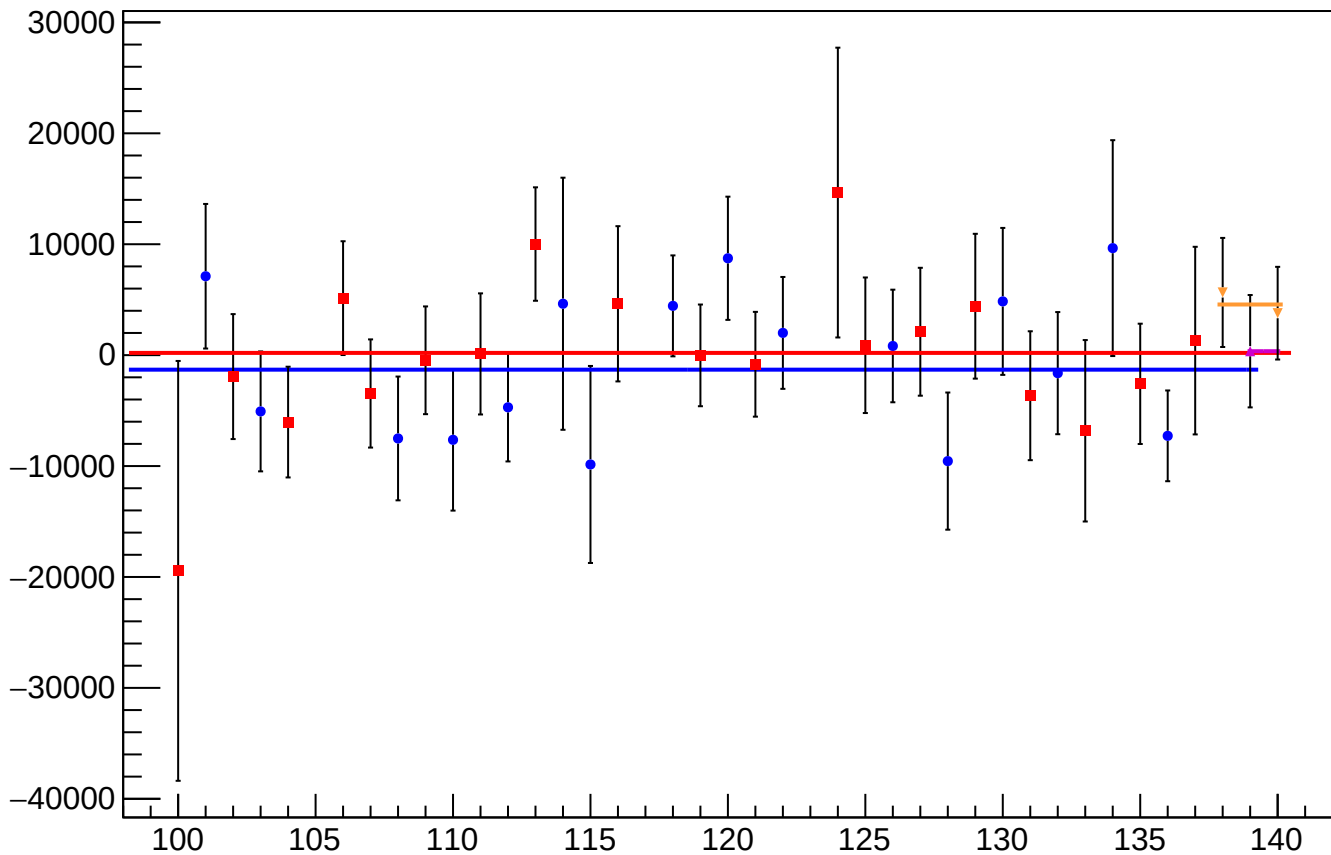
Left In: 4576.562 $\pm$ 3.527 χ^2 /NDF:0.0/0

+ sign 3583.962 $\pm$ 0.865 χ^2 /NDF: 412948.9/17

All: 3418.544 $\pm$ 0.597 χ^2 /NDF: 1401003.5/37

- sign 3267.937 $\pm$ 0.825 χ^2 /NDF: 918124.9/19

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF : 17.6/15

Left Out: 4566.386+/-3184.192 χ^2/NDF : 0.1/1

Right Out: 201.593+/-1336.062 χ^2/NDF : 11.6/18

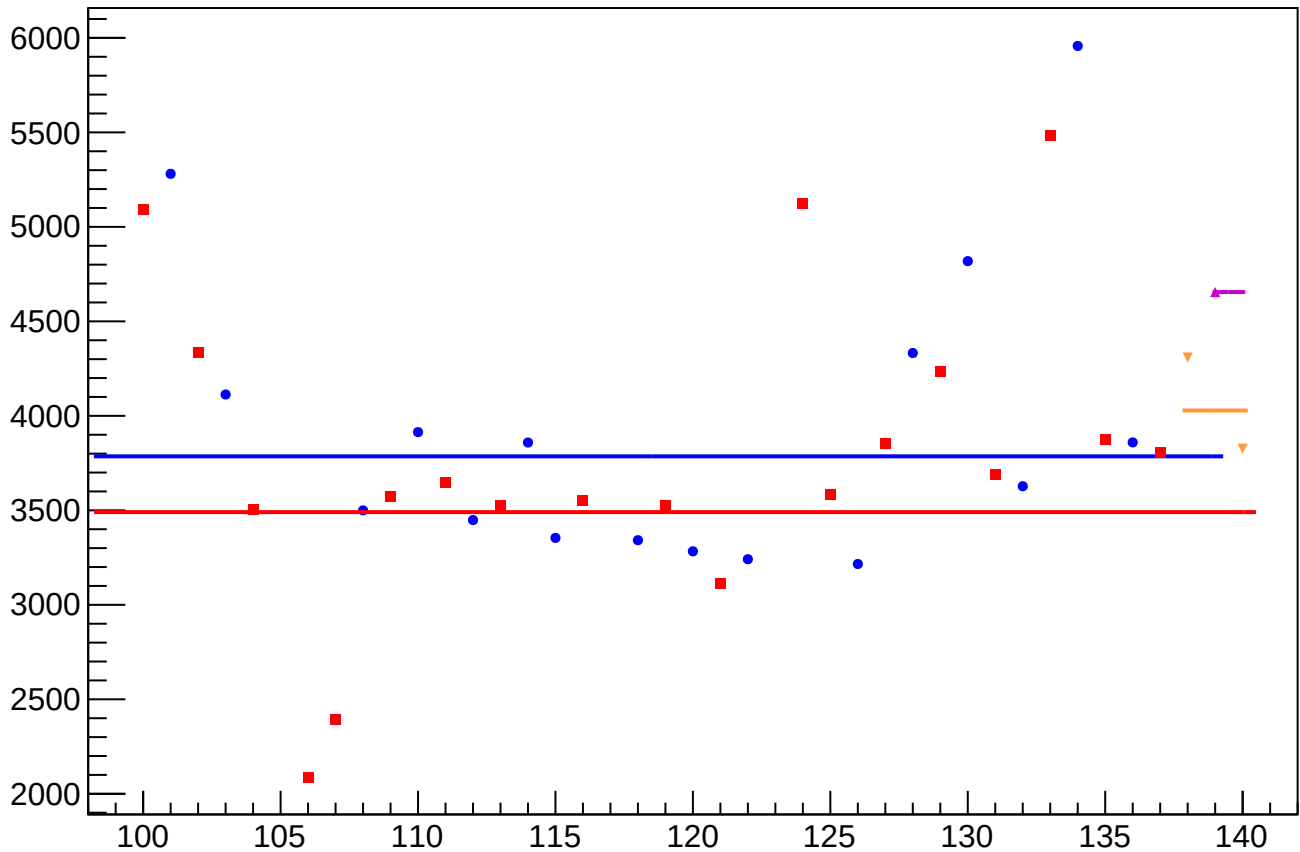
Left In: 355.078+/-5065.536 χ^2/NDF : 0.0/0

+ sign -321.330+/-1305.722 χ^2/NDF : 20.5/17

All: -52.038+/-918.353 χ^2/NDF : 32.2/37

- sign 211.576+/-1291.882 χ^2/NDF : 11.6/19

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF : 11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

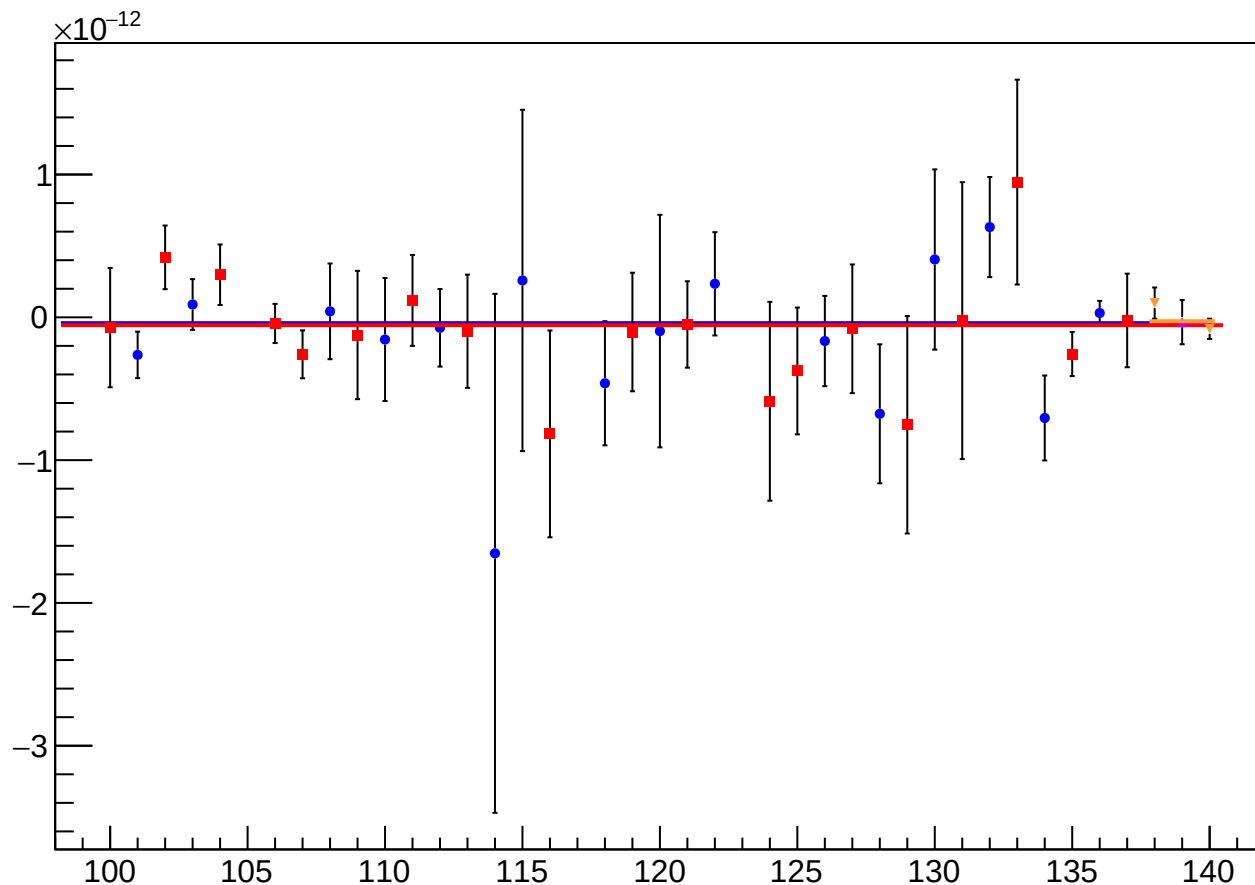
Left In: 4655.020+/-3.582 χ^2/NDF : 0.0/0

+ sign 3826.565+/-0.923 χ^2/NDF : 403814.1/17

All: 3692.418+/-0.645 χ^2/NDF : 1130761.0/37

- sign 3564.428+/-0.902 χ^2/NDF : 685694.9/19

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF : 1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF : 15.9/18

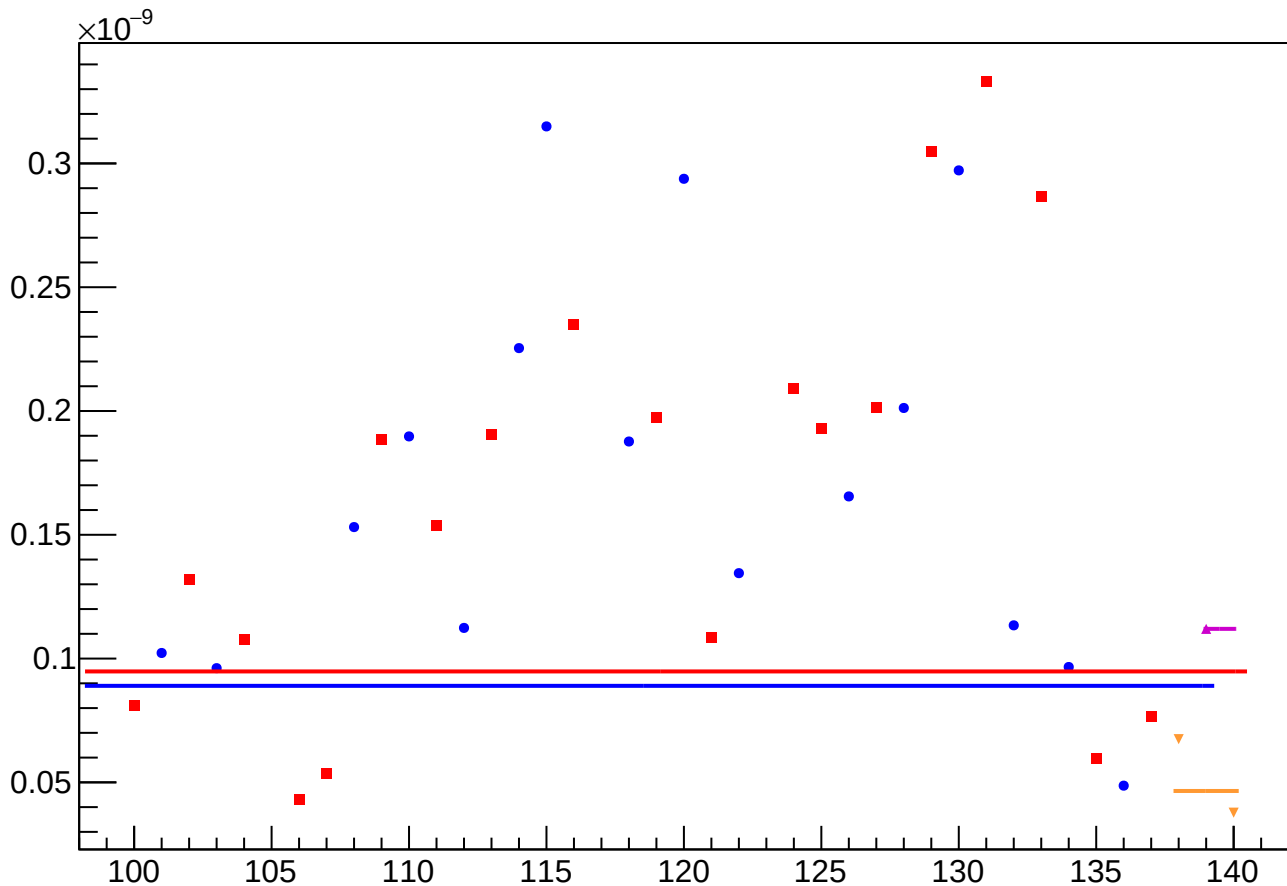
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 18.6/17

All: -0.000+/-0.000 χ^2/NDF : 34.5/37

- sign -0.000+/-0.000 χ^2/NDF : 15.9/19

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1460718.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:103730.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1734601.4/18

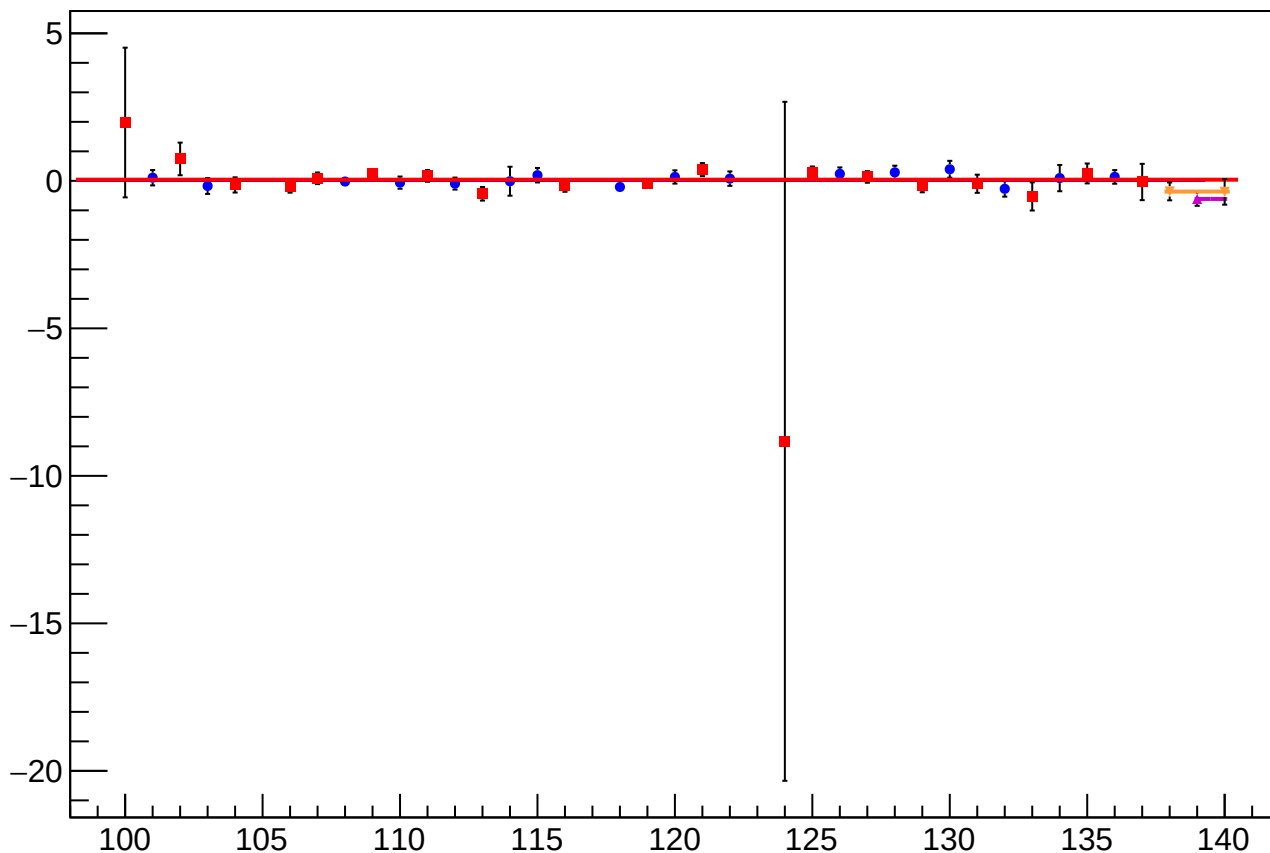
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2078463.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 4163394.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1755700.6/19

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

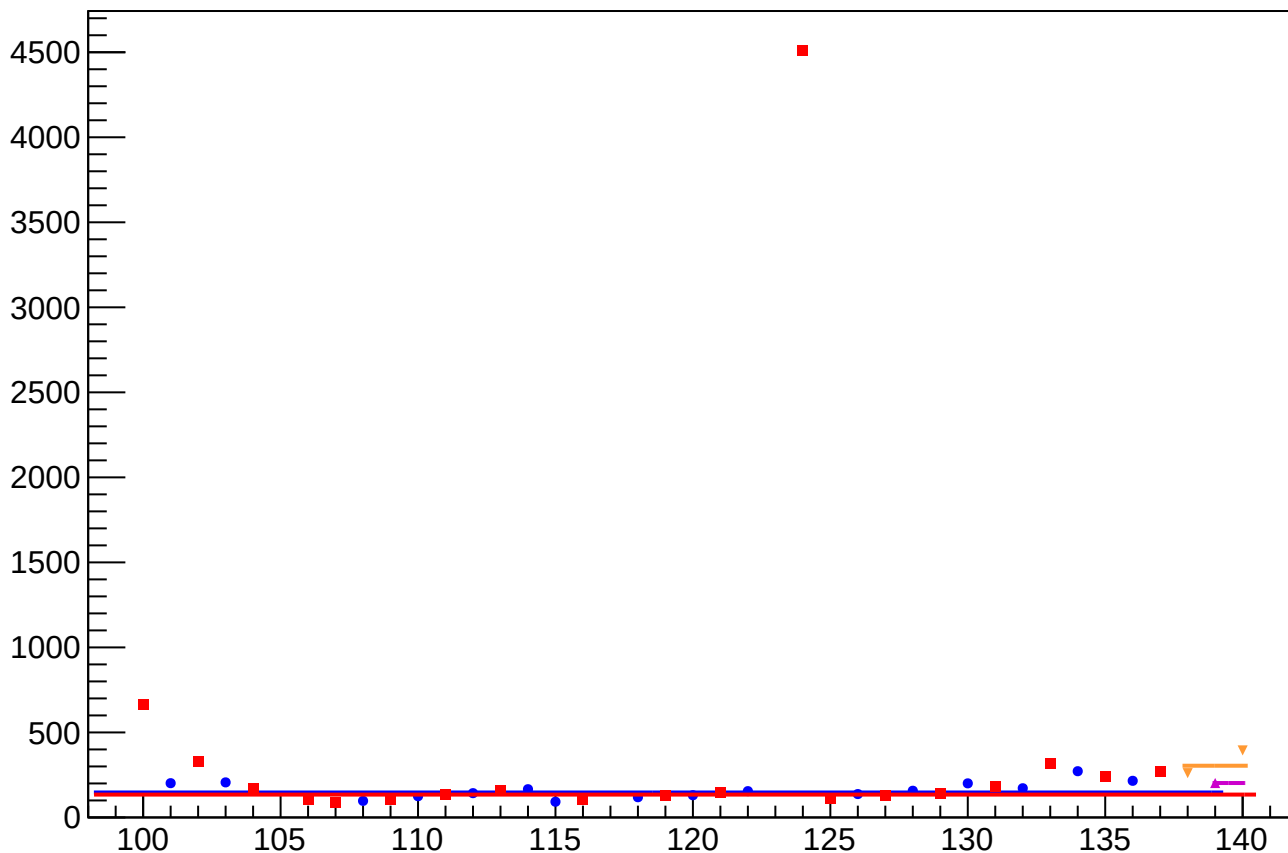
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 304.199 $\pm$ 0.175 χ^2 /NDF:127821.7/1

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

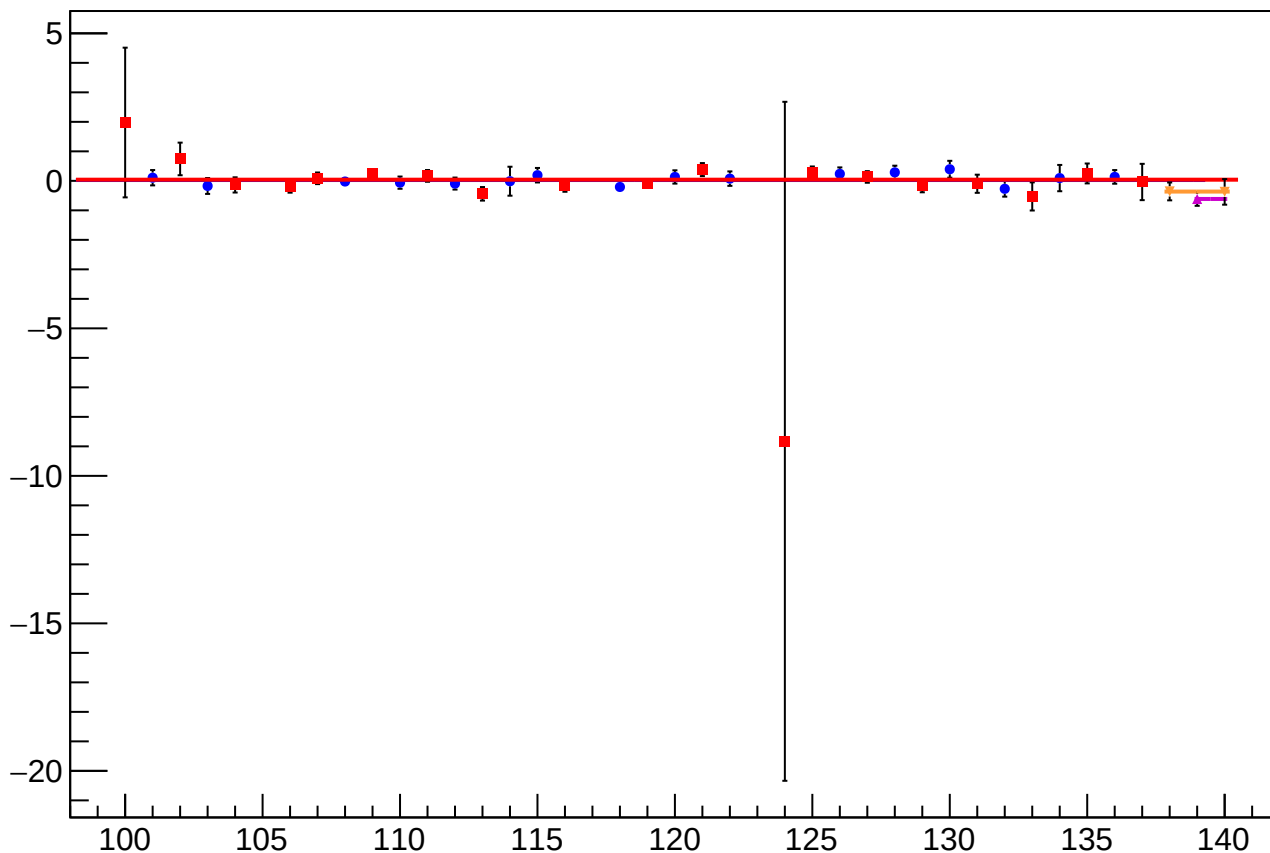
Left In: 202.517 $\pm$ 0.165 χ^2 /NDF:0.0/0

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889526.4/17

All: 146.046 $\pm$ 0.027 χ^2 /NDF: 3752138.4/37

- sign 138.076 $\pm$ 0.038 χ^2 /NDF: 1768285.1/19

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

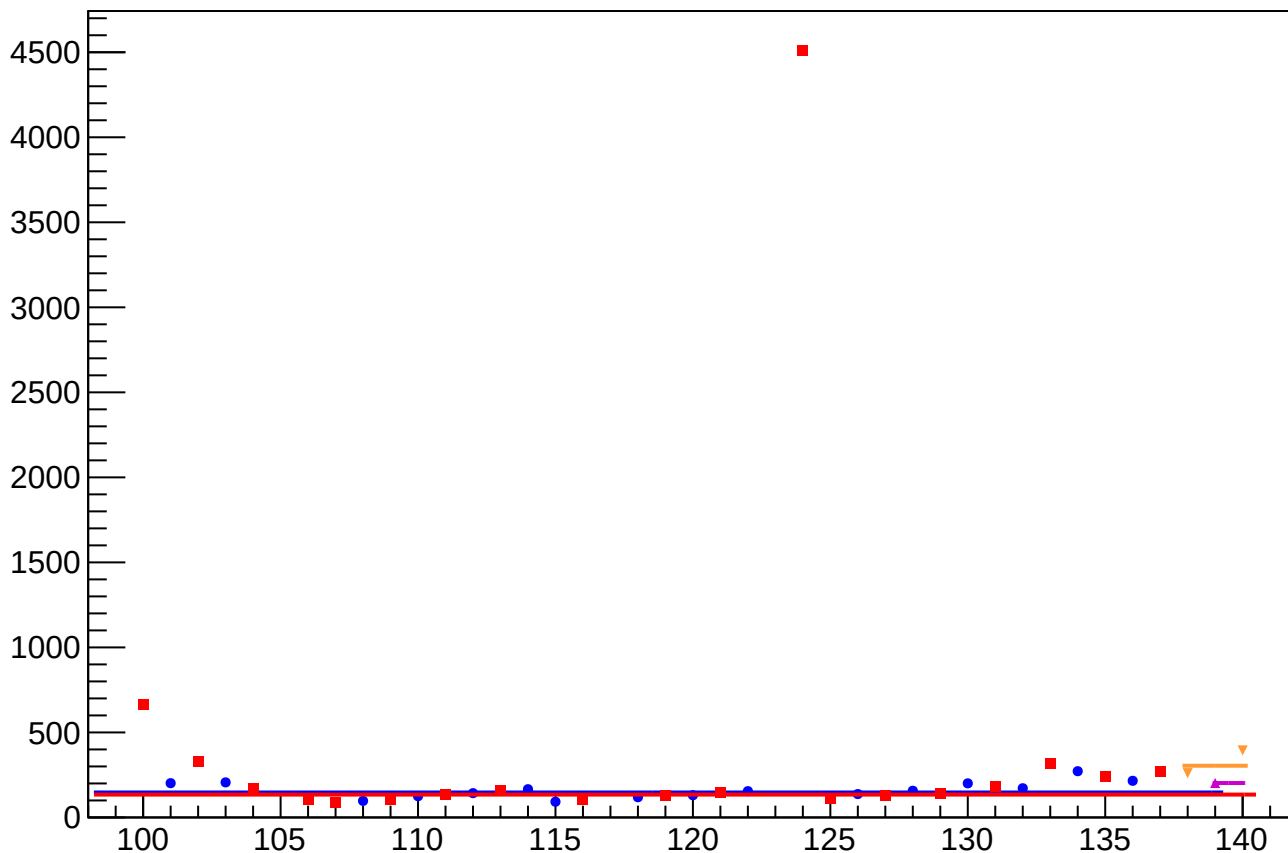
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 304.199 $\pm$ 0.175 χ^2 /NDF:127821.7/1

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

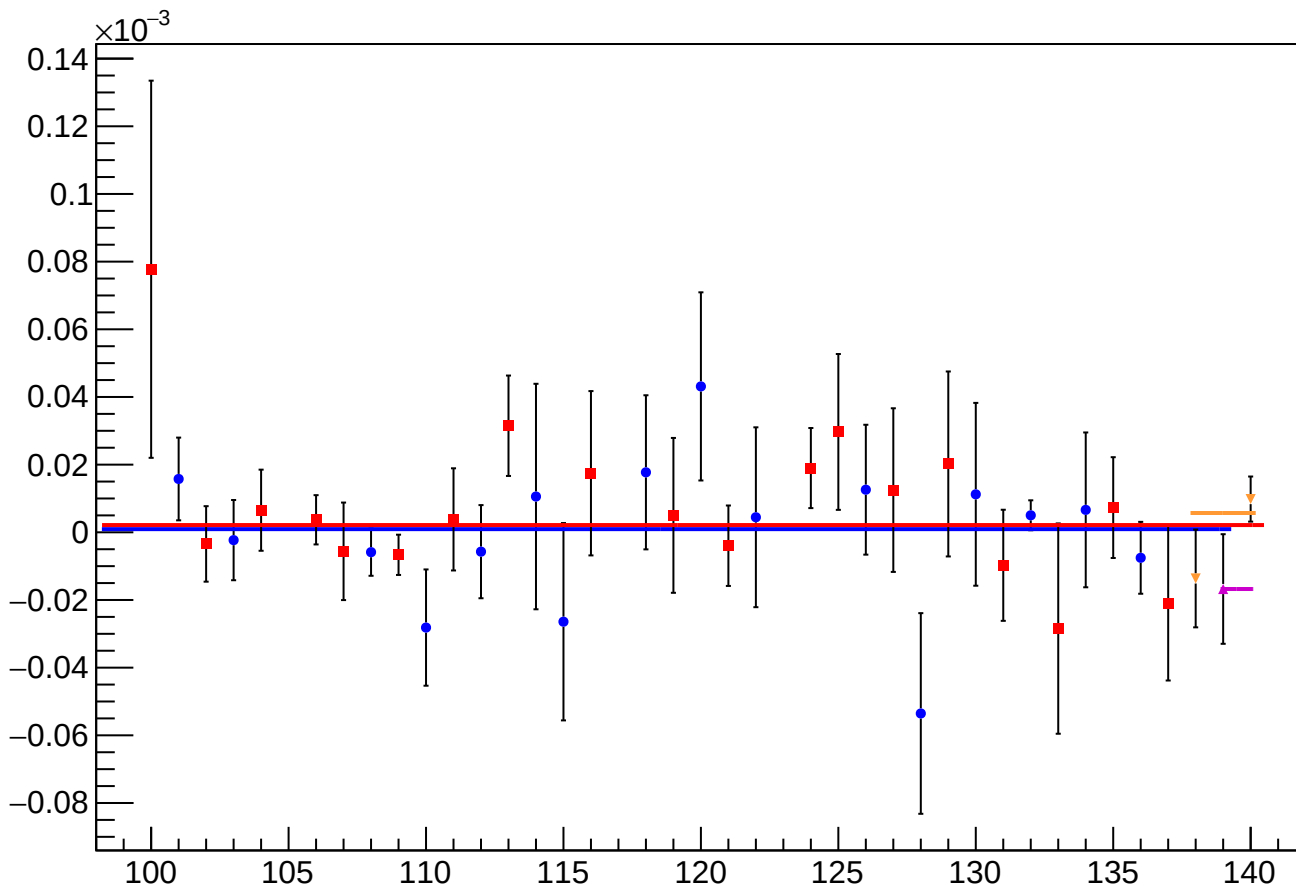
Left In: 202.517 $\pm$ 0.165 χ^2 /NDF:0.0/0

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889526.4/17

All: 146.046 $\pm$ 0.027 χ^2 /NDF: 3752138.4/37

- sign 138.076 $\pm$ 0.038 χ^2 /NDF: 1768285.1/19

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

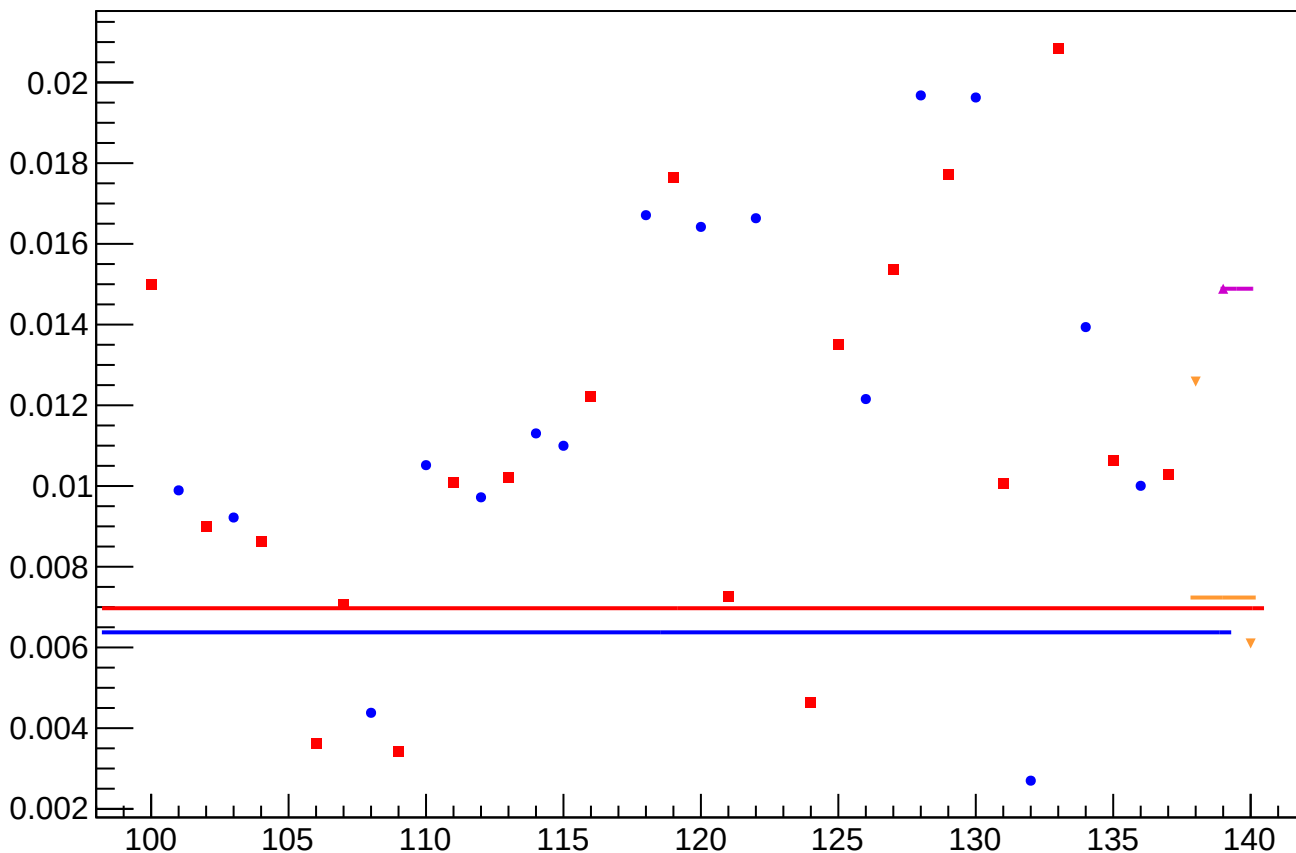
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/19

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF : 332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

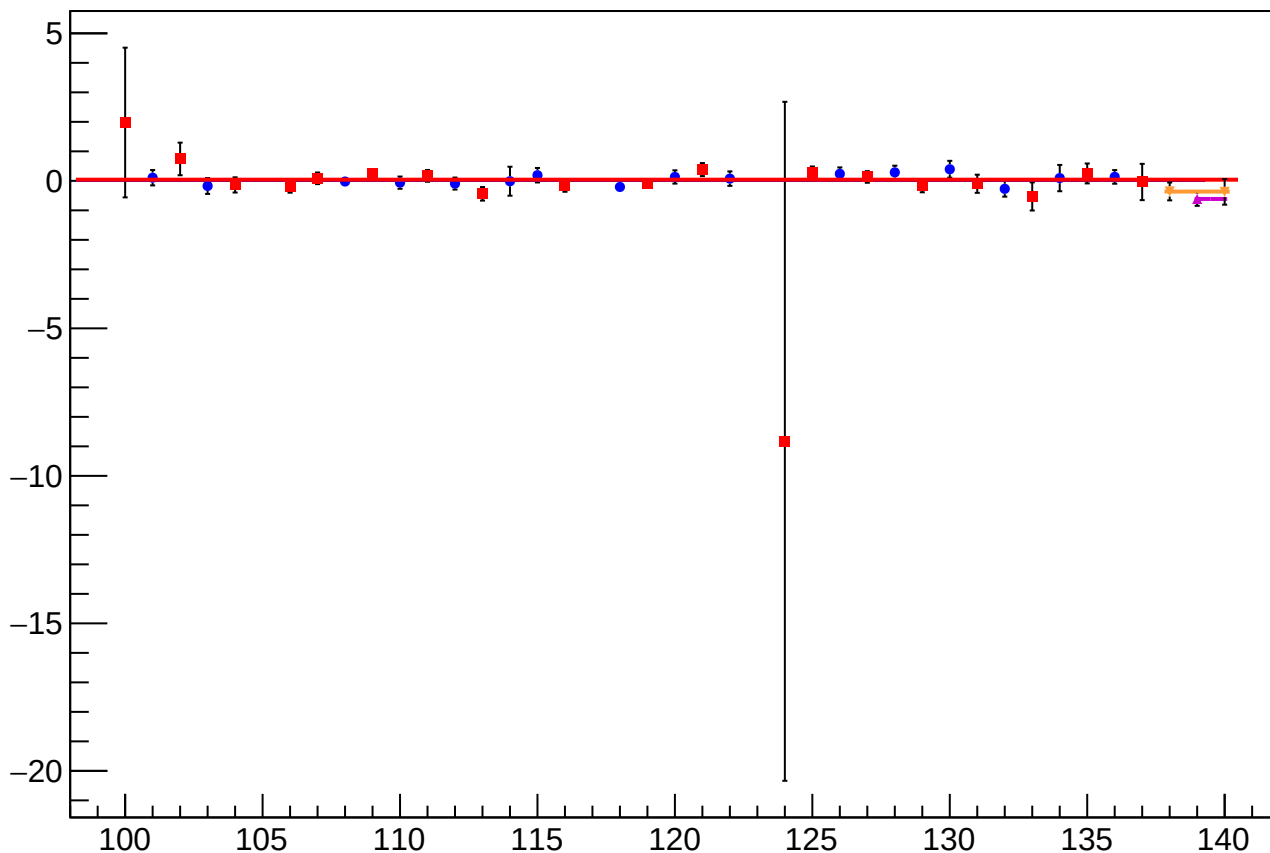
Left In: 0.015+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 5005153.1/17

All: 0.007+/-0.000 χ^2/NDF : 8939055.3/37

- sign 0.007+/-0.000 χ^2/NDF : 3871758.6/19

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

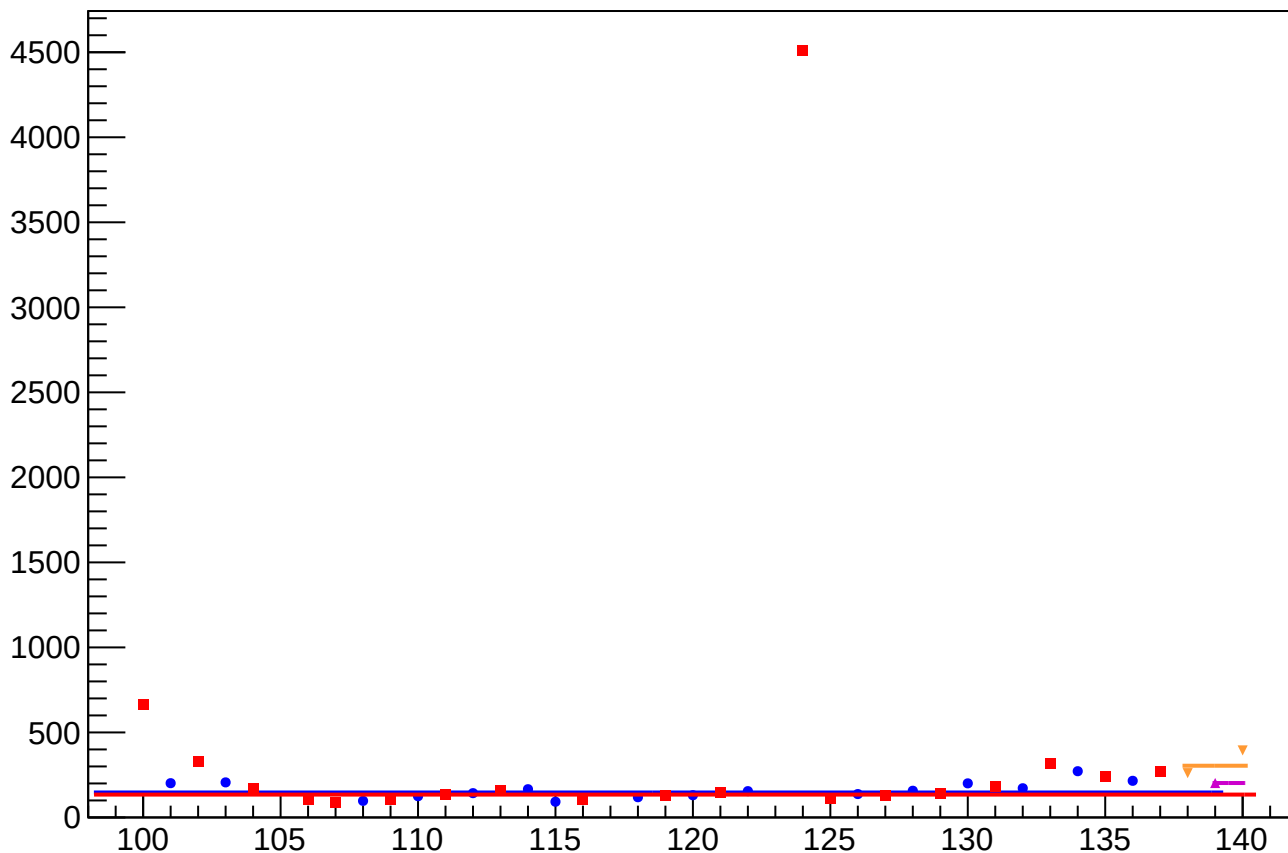
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998646.8/15

Left Out: 304.203 $\pm$ 0.175 χ^2 /NDF:127816.8/1

Right Out: 134.506 $\pm$ 0.039 χ^2 /NDF: 1606310.4/18

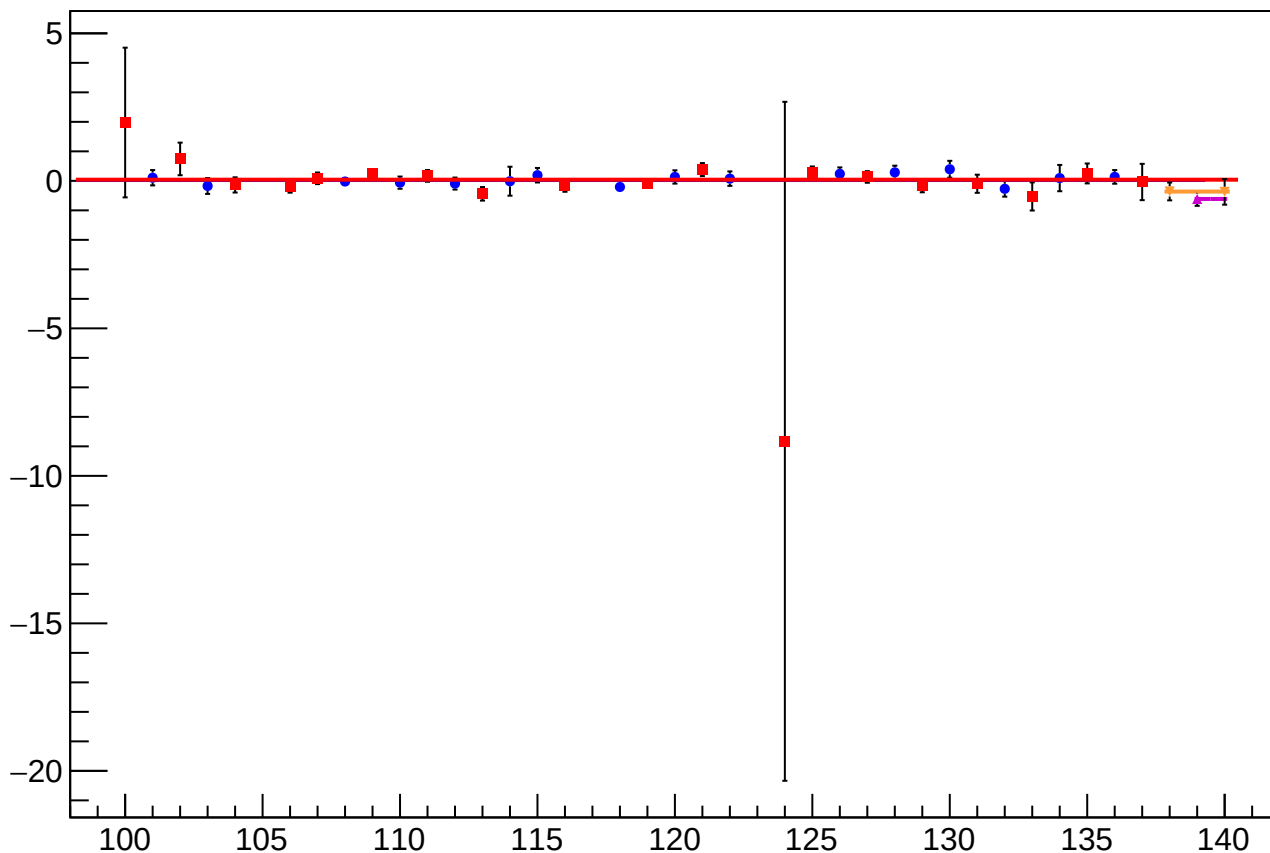
Left In: 202.521 $\pm$ 0.165 χ^2 /NDF:0.0/0

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889483.6/17

All: 146.047 $\pm$ 0.027 χ^2 /NDF: 3752014.1/37

- sign 138.077 $\pm$ 0.038 χ^2 /NDF: 1768219.6/19

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

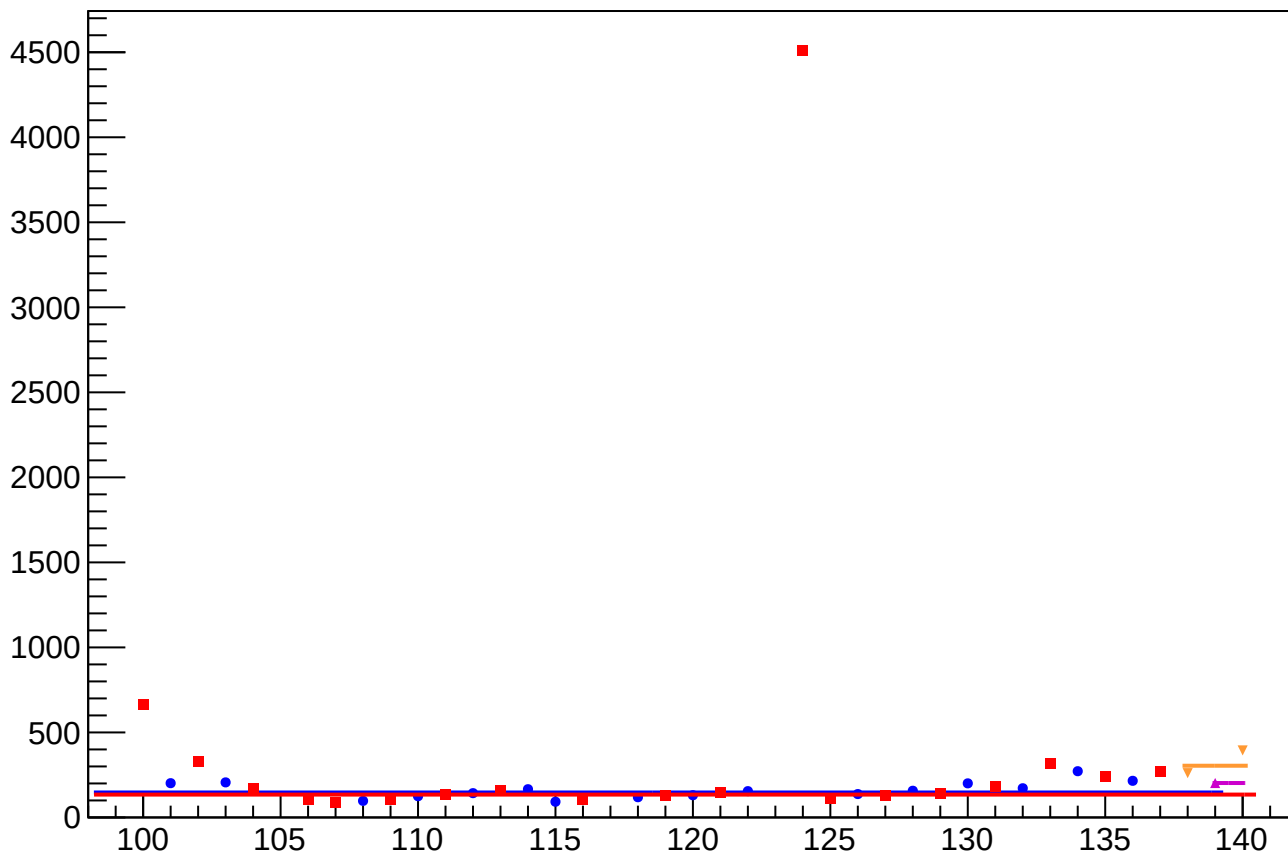
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998646.8/15

Left Out: 304.203 $\pm$ 0.175 χ^2 /NDF:127816.8/1

Right Out: 134.506 $\pm$ 0.039 χ^2 /NDF: 1606310.4/18

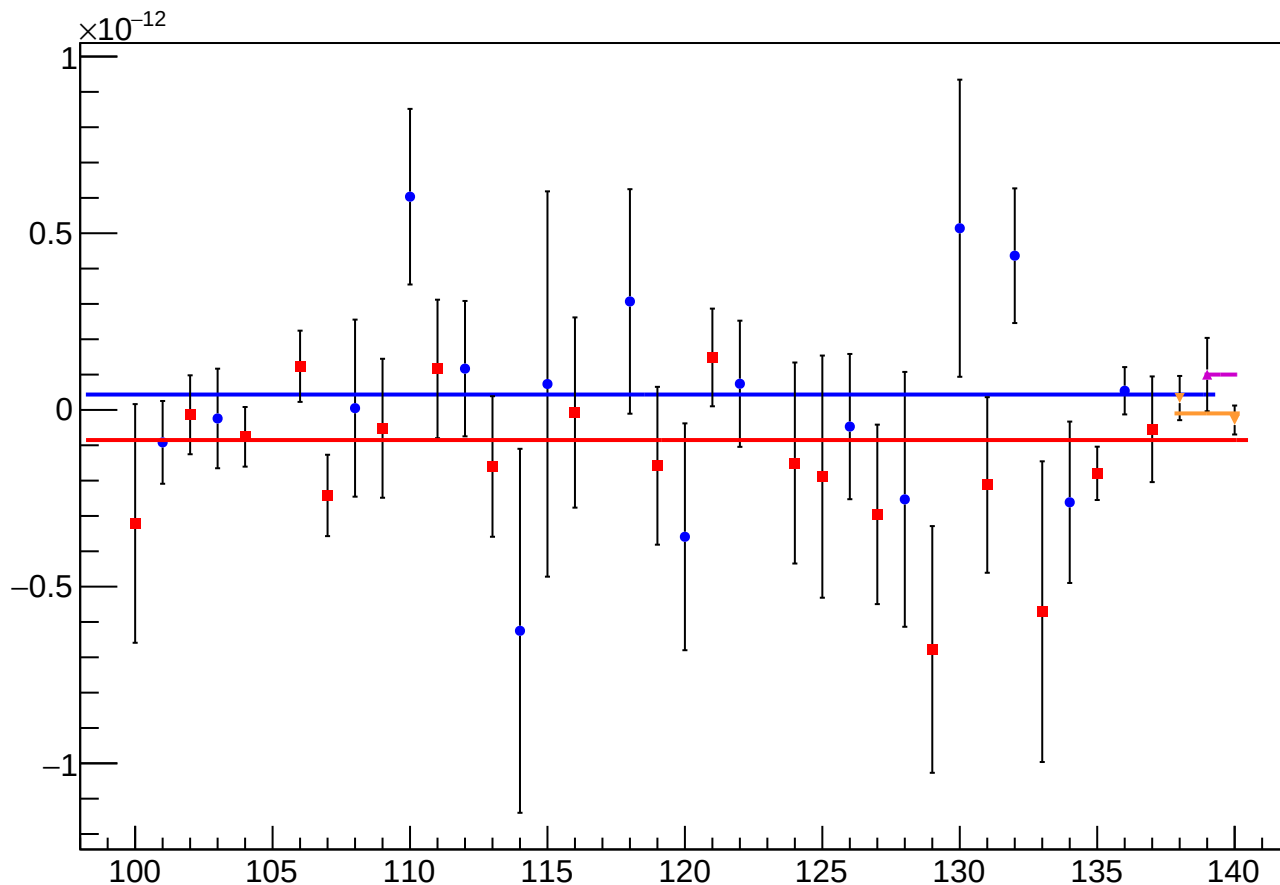
Left In: 202.521 $\pm$ 0.165 χ^2 /NDF:0.0/0

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889483.6/17

All: 146.047 $\pm$ 0.027 χ^2 /NDF: 3752014.1/37

- sign 138.077 $\pm$ 0.038 χ^2 /NDF: 1768219.6/19

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19.0/15

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

Right Out: -0.000+/-0.000 χ^2/NDF : 18.2/18

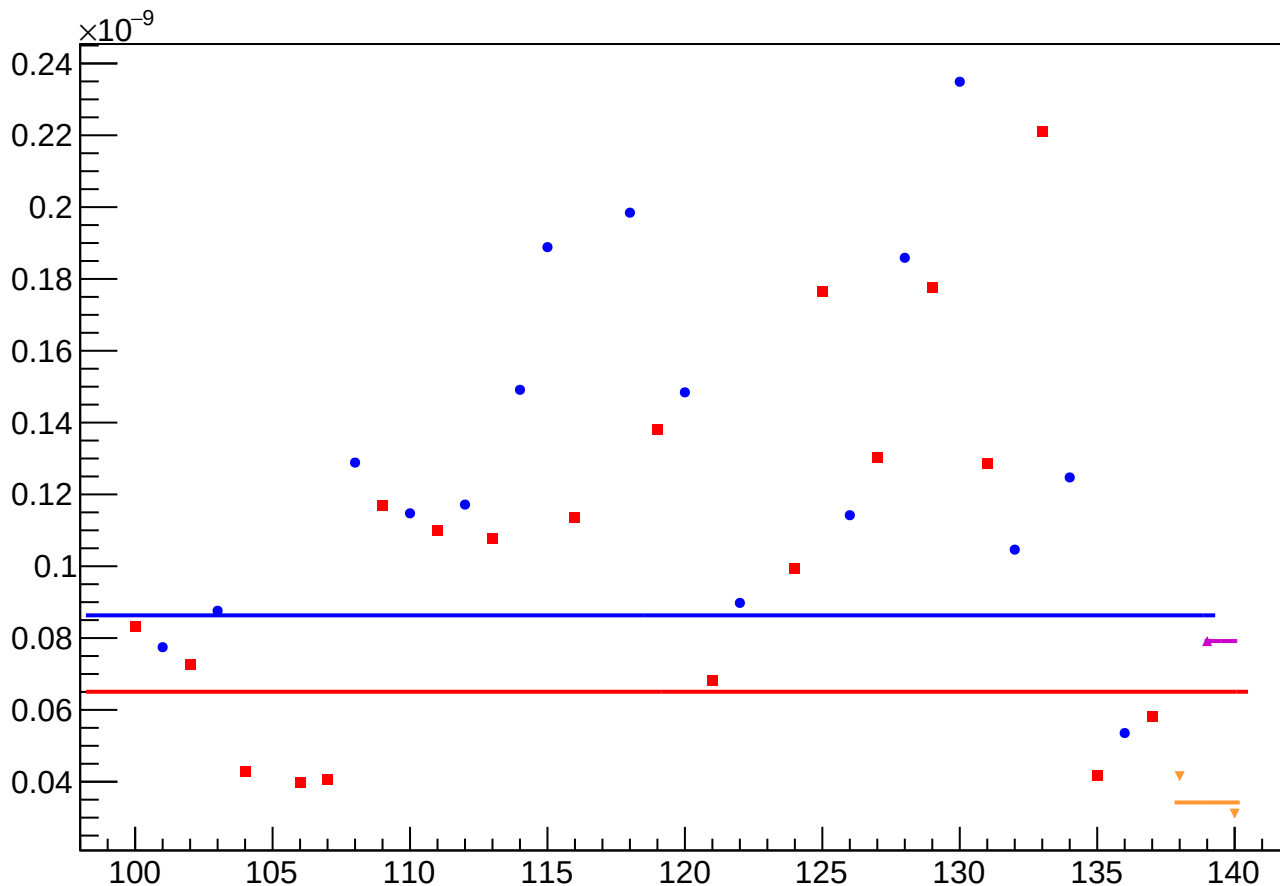
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 20.6/17

All: -0.000+/-0.000 χ^2/NDF : 45.1/37

- sign -0.000+/-0.000 χ^2/NDF : 21.1/19

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

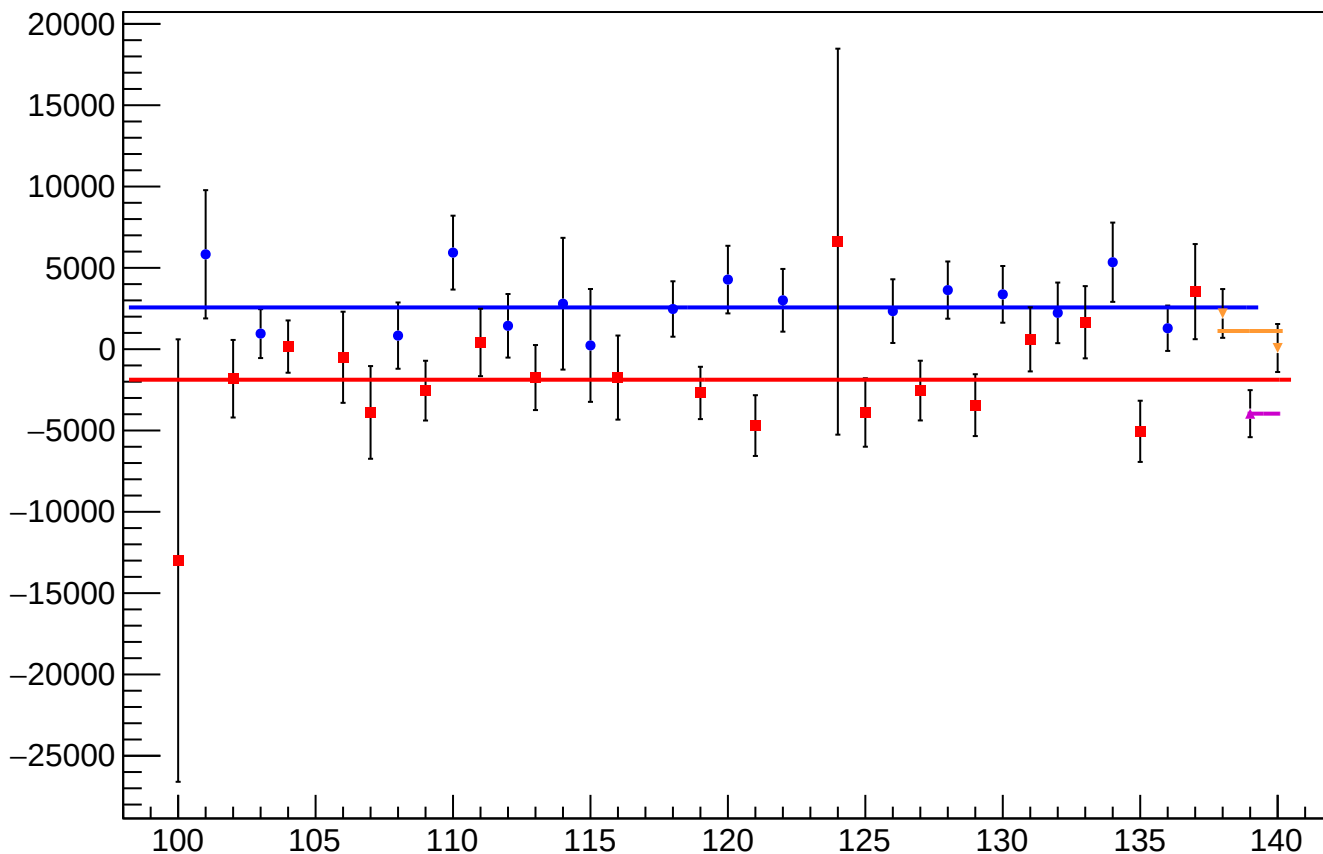
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3414015.0/17

All: 0.000+/-0.000 χ^2/NDF : 5763980.8/37

- sign 0.000+/-0.000 χ^2/NDF : 2192220.6/19

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460 $\pm$ 495.364 χ^2 /NDF: 9.0/15

Left Out: 1117.388 $\pm$ 1052.039 χ^2 /NDF:1.0/1

Right Out: -1878.030 $\pm$ 494.719 χ^2 /NDF: 19.5/18

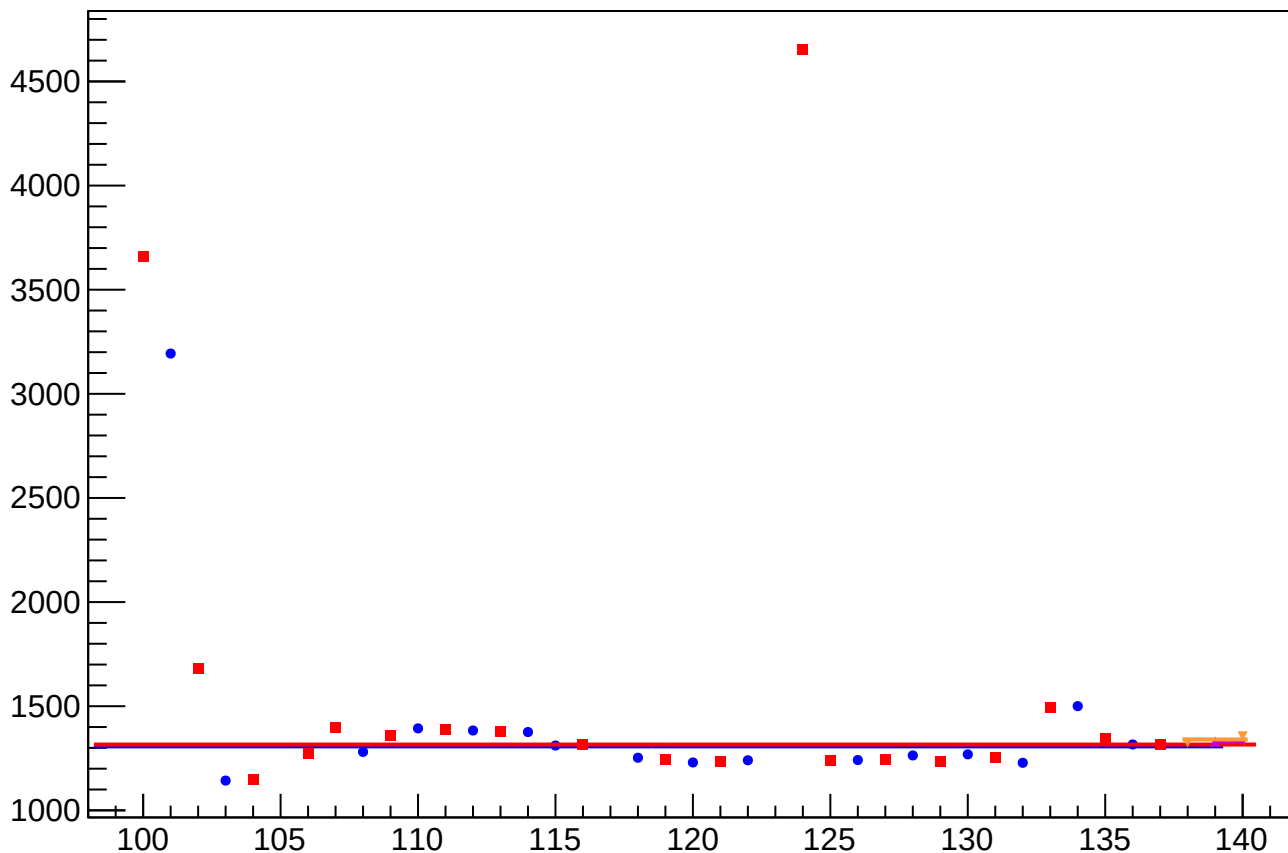
Left In: -3964.607 $\pm$ 1446.471 χ^2 /NDF:0.0/0

+ sign 2304.308 $\pm$ 448.168 χ^2 /NDF: 11.6/17

All: 199.561 $\pm$ 323.719 χ^2 /NDF: 79.1/37

- sign -2096.548 $\pm$ 468.098 χ^2 /NDF: 21.4/19

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF : 516249.0/15

Left Out: 1340.454+/-0.744 χ^2/NDF : 419.7/1

Right Out: 1315.999+/-0.349 χ^2/NDF : 326420.0/18

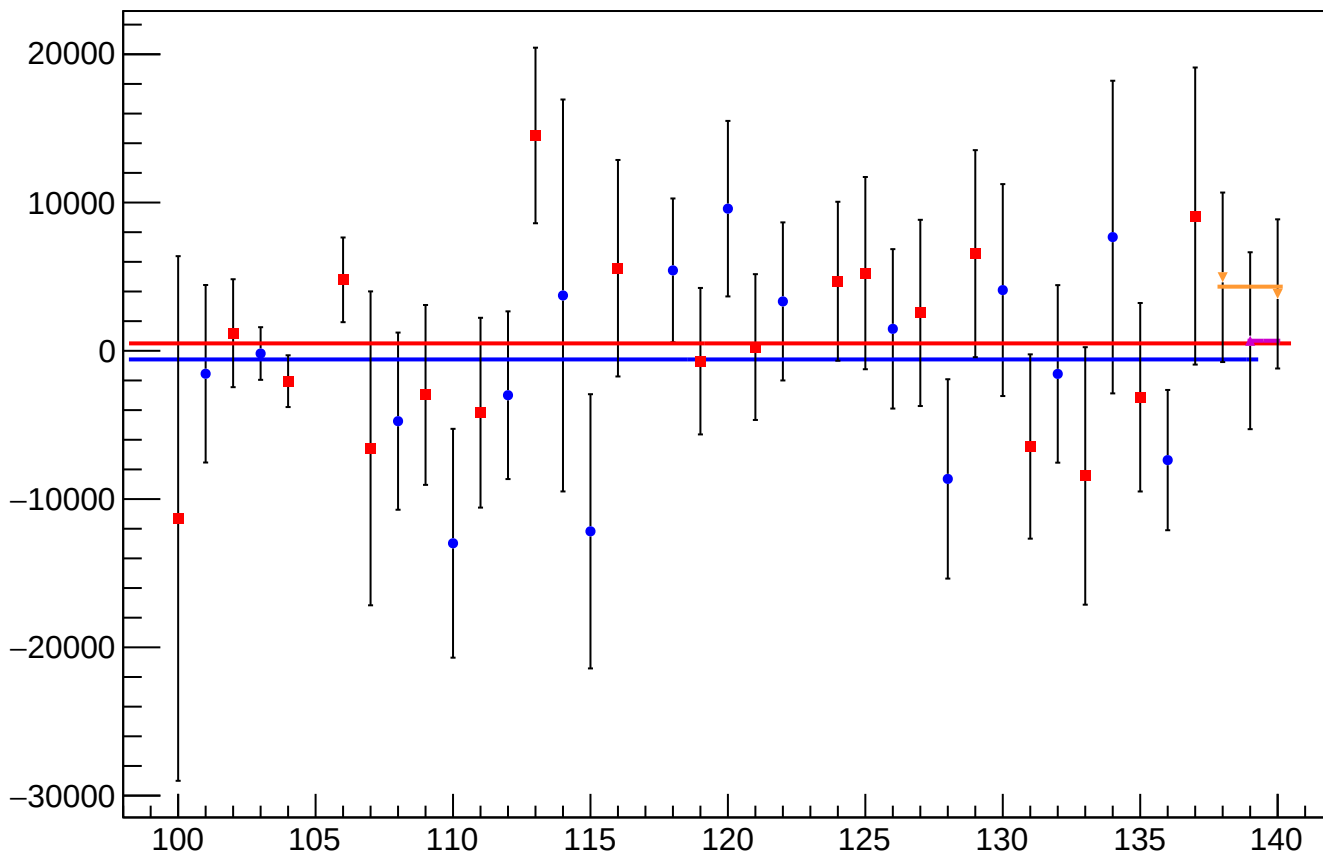
Left In: 1329.972+/-1.023 χ^2/NDF : 0.0/0

+ sign 1313.127+/-0.317 χ^2/NDF : 518317.3/17

All: 1315.202+/-0.229 χ^2/NDF : 844994.0/37

- sign 1317.455+/-0.330 χ^2/NDF : 326587.2/19

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug



Right In: -581.790+/-1192.862 χ^2/NDF : 14.7/15

Left Out: 4326.344+/-3776.214 χ^2/NDF : 0.0/1

Right Out: 500.098+/-1055.434 χ^2/NDF : 17.7/18

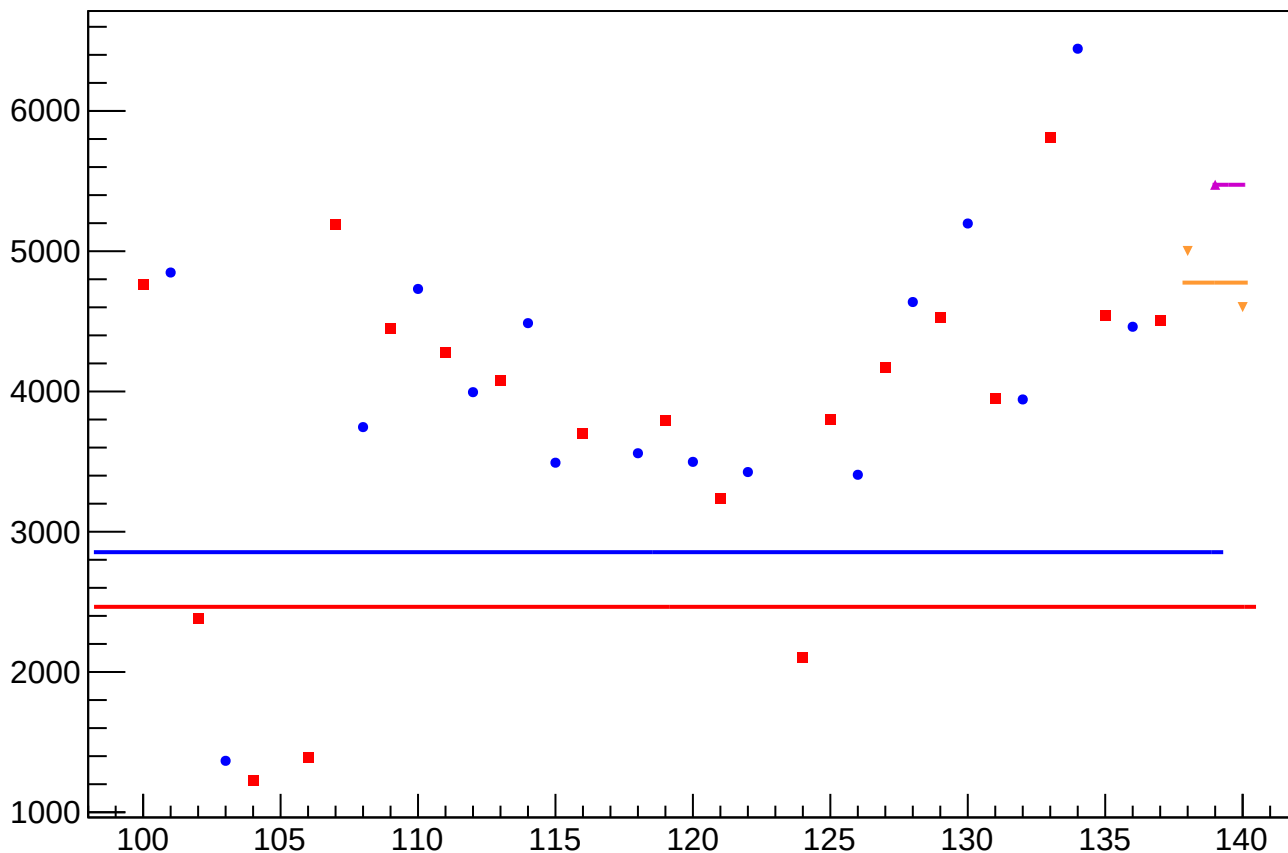
Left In: 680.689+/-5966.172 χ^2/NDF : 0.0/0

+ sign -136.467+/-1137.460 χ^2/NDF : 16.3/17

All: 213.451+/-767.255 χ^2/NDF : 34.2/37

- sign 505.578+/-1039.297 χ^2/NDF : 17.7/19

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 2854.300+/-0.843 χ^2/NDF : 2904822.2/15

Left Out: 4776.172+/-2.670 χ^2/NDF : 5520.1/1

Right Out: 2464.593+/-0.746 χ^2/NDF : 3355947.0/18

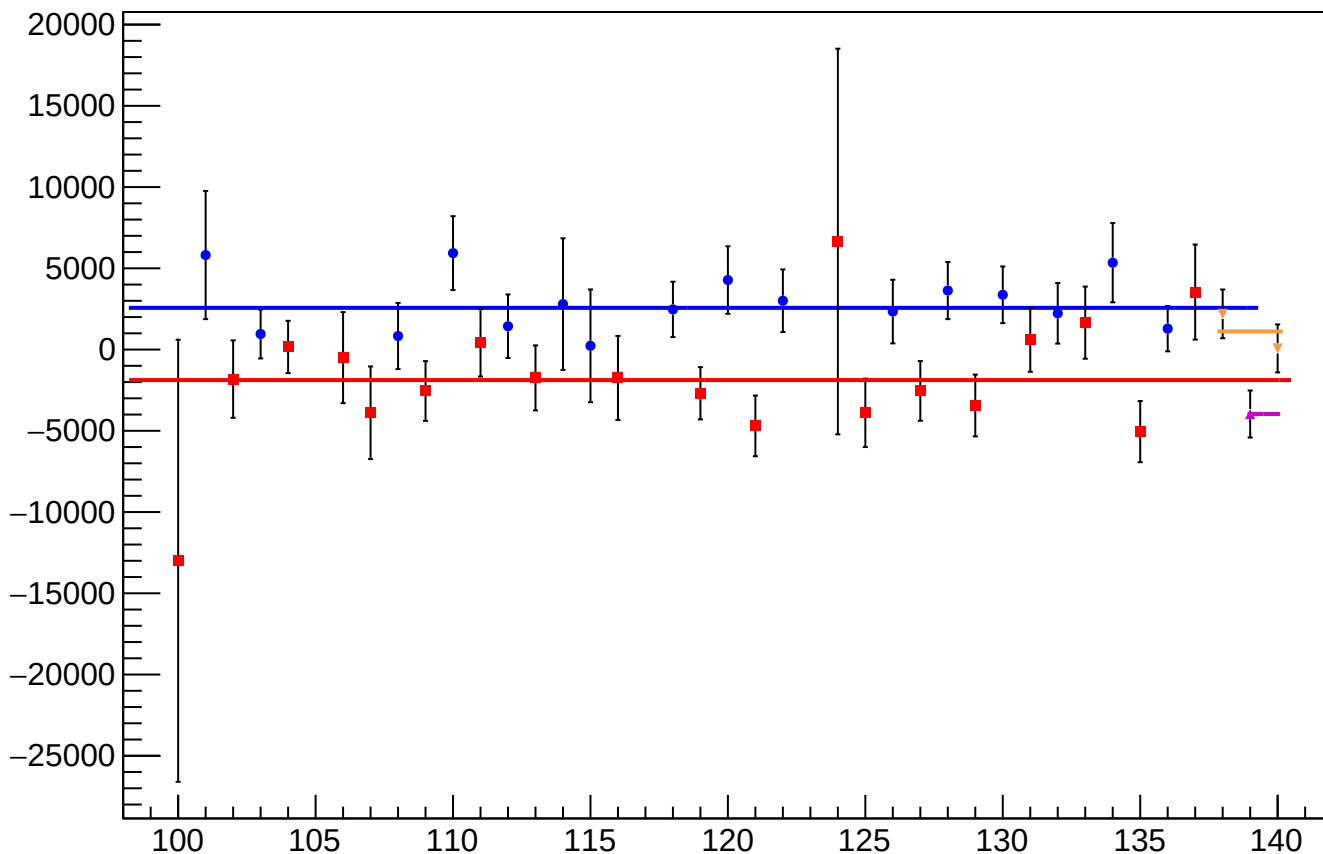
Left In: 5473.742+/-4.219 χ^2/NDF : 0.0/0

+ sign 3028.674+/-0.804 χ^2/NDF : 3381382.7/17

All: 2771.013+/-0.543 χ^2/NDF : 7418968.1/37

- sign 2555.906+/-0.735 χ^2/NDF : 3849283.3/19

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF : 1.0/1

Right Out: -1877.774+/-494.719 χ^2/NDF : 19.5/18

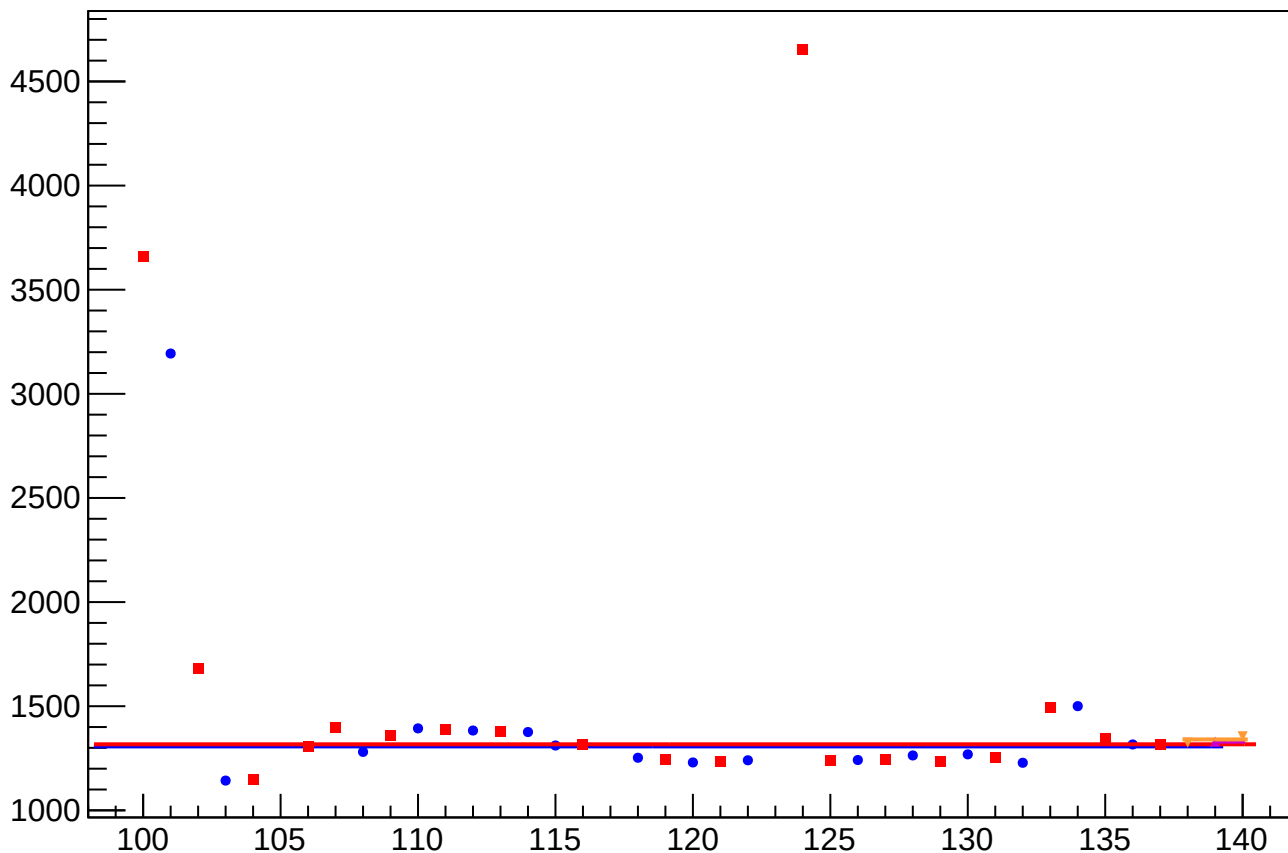
Left In: -3964.849+/-1446.471 χ^2/NDF : 0.0/0

+ sign 2304.096+/-448.168 χ^2/NDF : 11.6/17

All: 199.547+/-323.719 χ^2/NDF : 79.1/37

- sign -2096.345+/-468.098 χ^2/NDF : 21.4/19

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF : 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF : 419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF : 325926.8/18

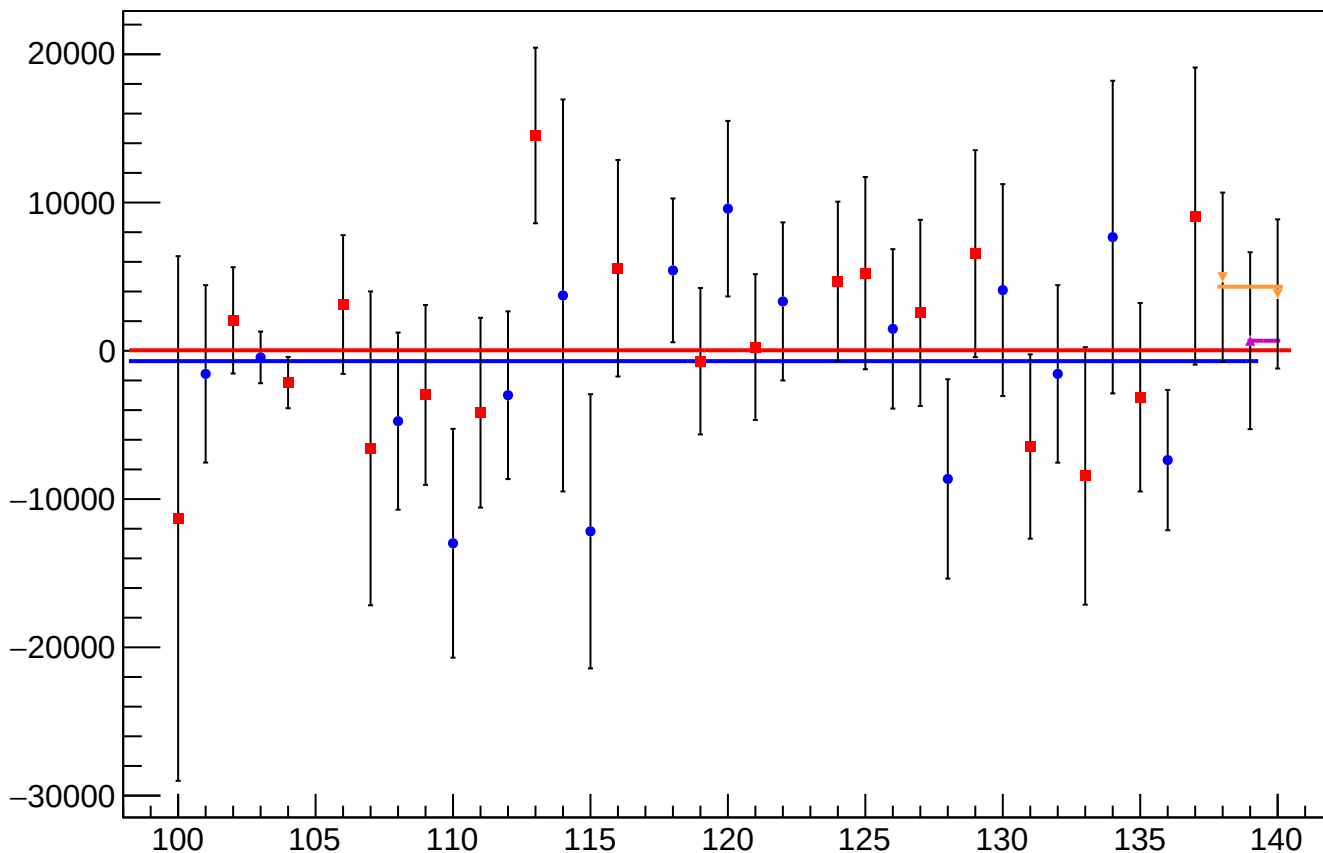
Left In: 1329.972+/-1.023 χ^2/NDF : 0.0/0

+ sign 1313.127+/-0.317 χ^2/NDF : 518318.9/17

All: 1315.686+/-0.229 χ^2/NDF : 844523.0/37

- sign 1318.469+/-0.330 χ^2/NDF : 326068.0/19

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug



Right In: -695.249 ± 1182.433 χ^2/NDF : 14.7/15

Left Out: 4326.444 ± 3776.208 χ^2/NDF : 0.0/1

Right Out: 36.115 ± 1098.207 χ^2/NDF : 15.9/18

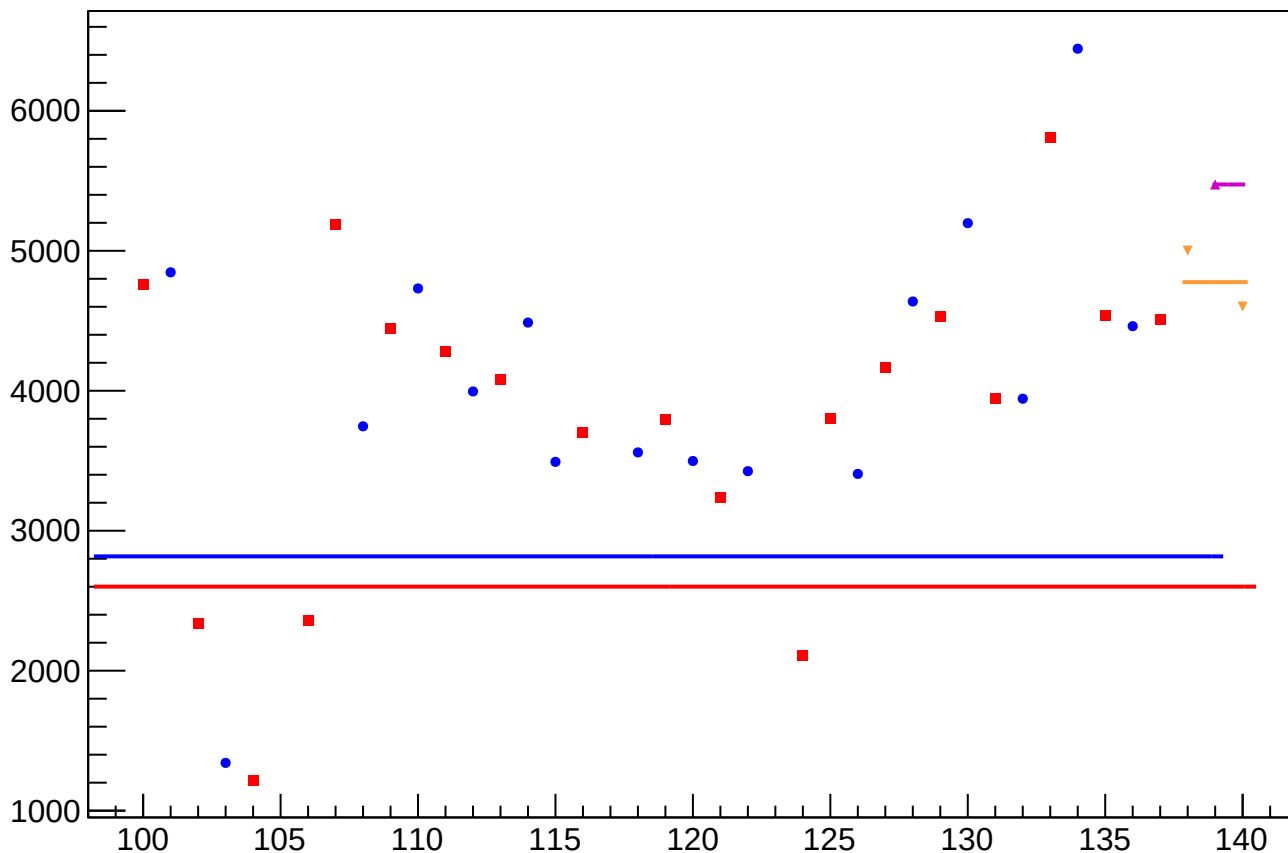
Left In: 680.657 ± 5966.182 χ^2/NDF : 0.0/0

+ sign -246.845 ± 1128.407 χ^2/NDF : 16.3/17

All: -88.150 ± 780.250 χ^2/NDF : 32.3/37

- sign 57.238 ± 1080.062 χ^2/NDF : 16.0/19

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 2816.784 $\pm$ 0.836 χ^2 /NDF: 3007570.0/15

Left Out: 4776.163 $\pm$ 2.670 χ^2 /NDF:5520.4/1

Right Out: 2600.524 $\pm$ 0.777 χ^2 /NDF: 3080771.9/18

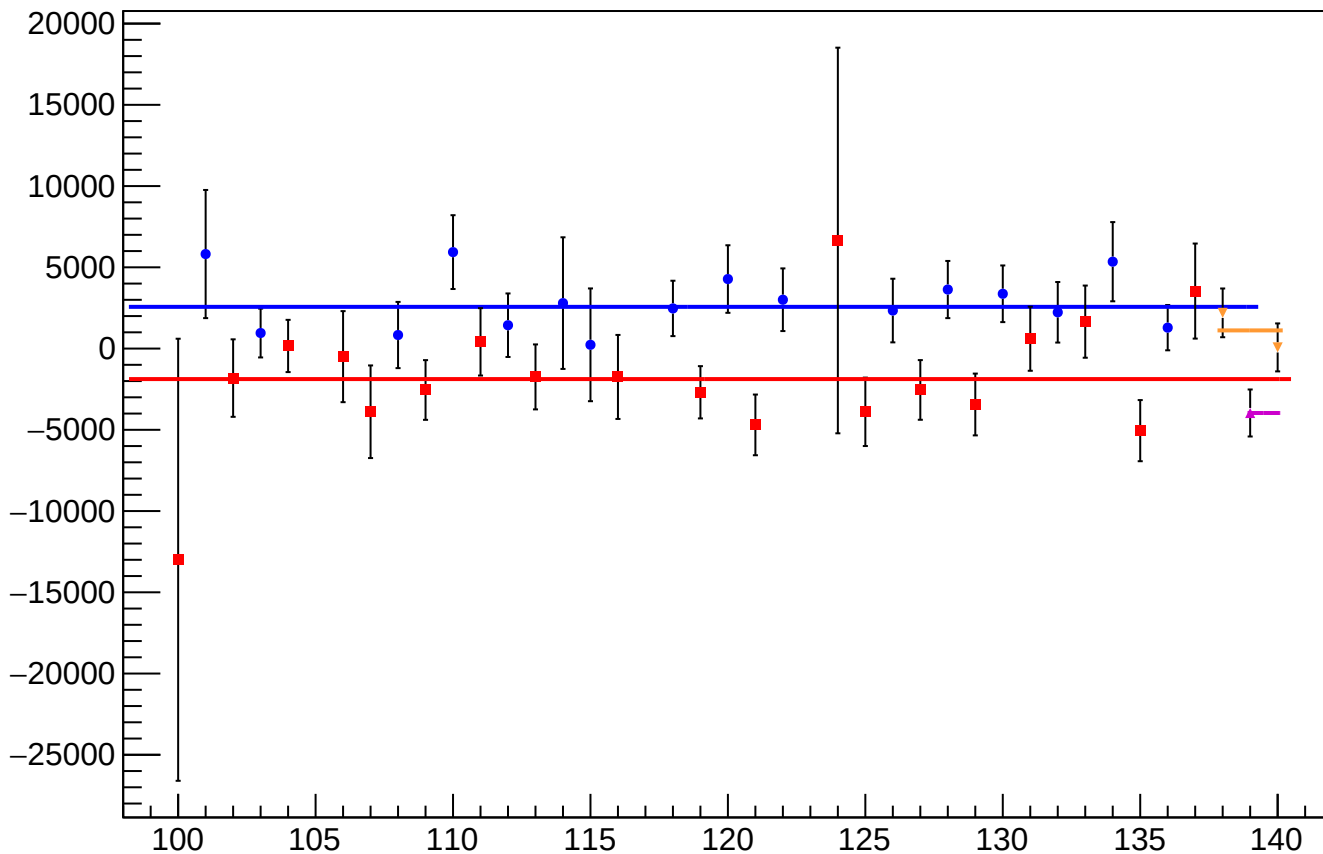
Left In: 5473.750 $\pm$ 4.219 χ^2 /NDF:0.0/0

+ sign 2991.743 $\pm$ 0.798 χ^2 /NDF: 3503471.7/17

All: 2836.715 $\pm$ 0.552 χ^2 /NDF: 7105226.6/37

- sign 2694.686 $\pm$ 0.764 χ^2 /NDF: 3529419.5/19

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF : 1.0/1

Right Out: -1877.774+/-494.719 χ^2/NDF : 19.5/18

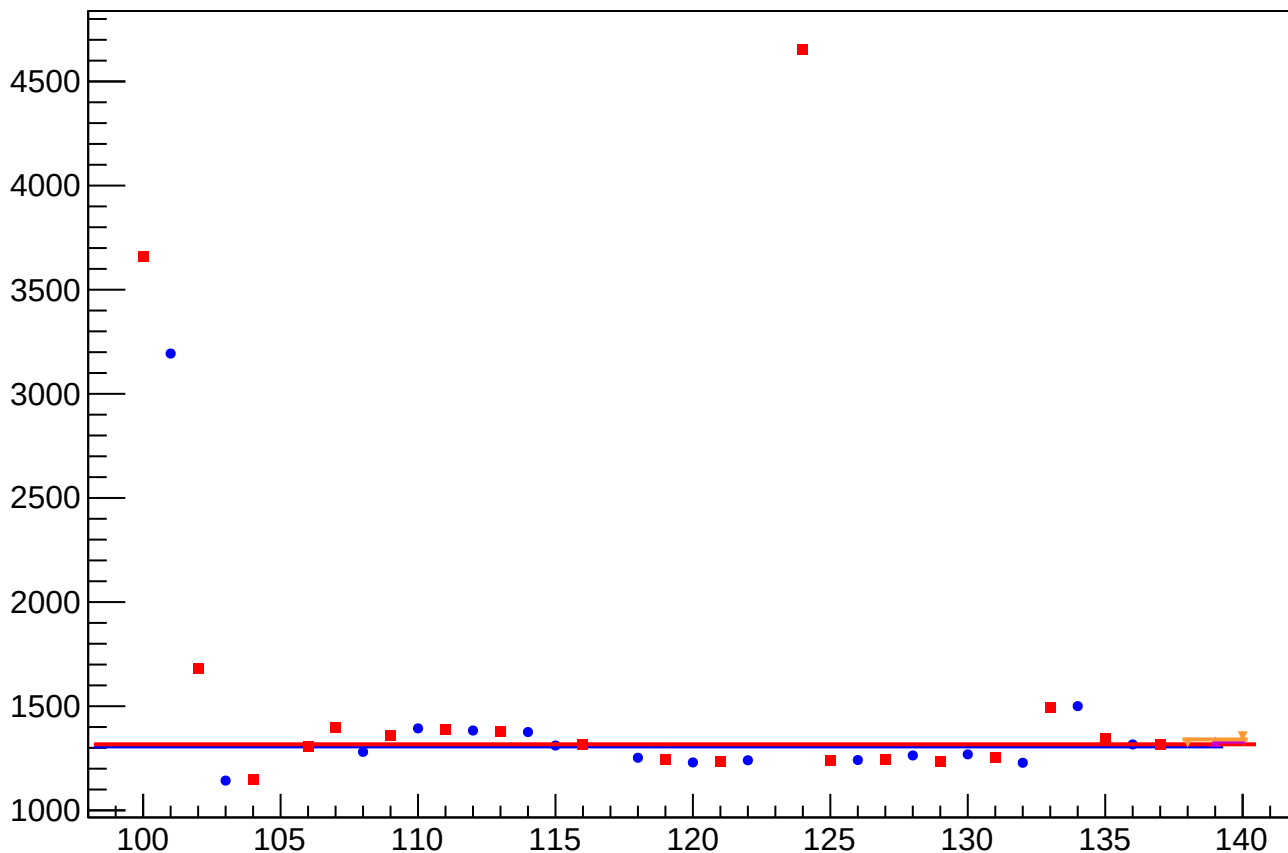
Left In: -3964.849+/-1446.471 χ^2/NDF : 0.0/0

+ sign 2304.096+/-448.168 χ^2/NDF : 11.6/17

All: 199.547+/-323.719 χ^2/NDF : 79.1/37

- sign -2096.345+/-468.098 χ^2/NDF : 21.4/19

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: 1340.454+/-0.744 χ^2/NDF : 419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF : 325926.8/18

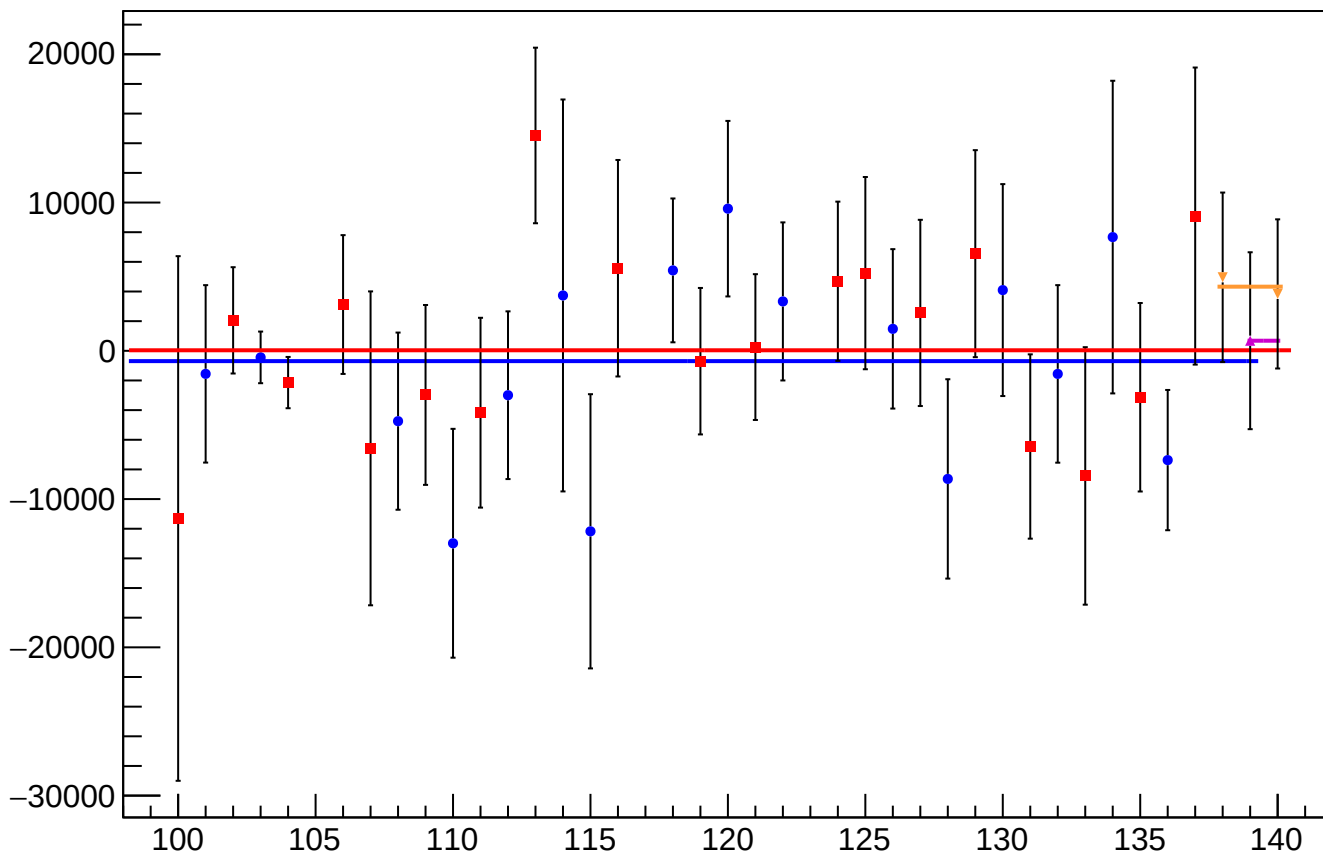
Left In: 1329.972+/-1.023 χ^2/NDF : 0.0/0

+ sign 1313.127+/-0.317 χ^2/NDF : 518318.9/17

All: 1315.686+/-0.229 χ^2/NDF : 844523.0/37

- sign 1318.469+/-0.330 χ^2/NDF : 326068.0/19

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -695.249+/-1182.433 χ^2/NDF : 14.7/15

Left Out: 4326.444+/-3776.208 χ^2/NDF : 0.0/1

Right Out: 36.115+/-1098.207 χ^2/NDF : 15.9/18

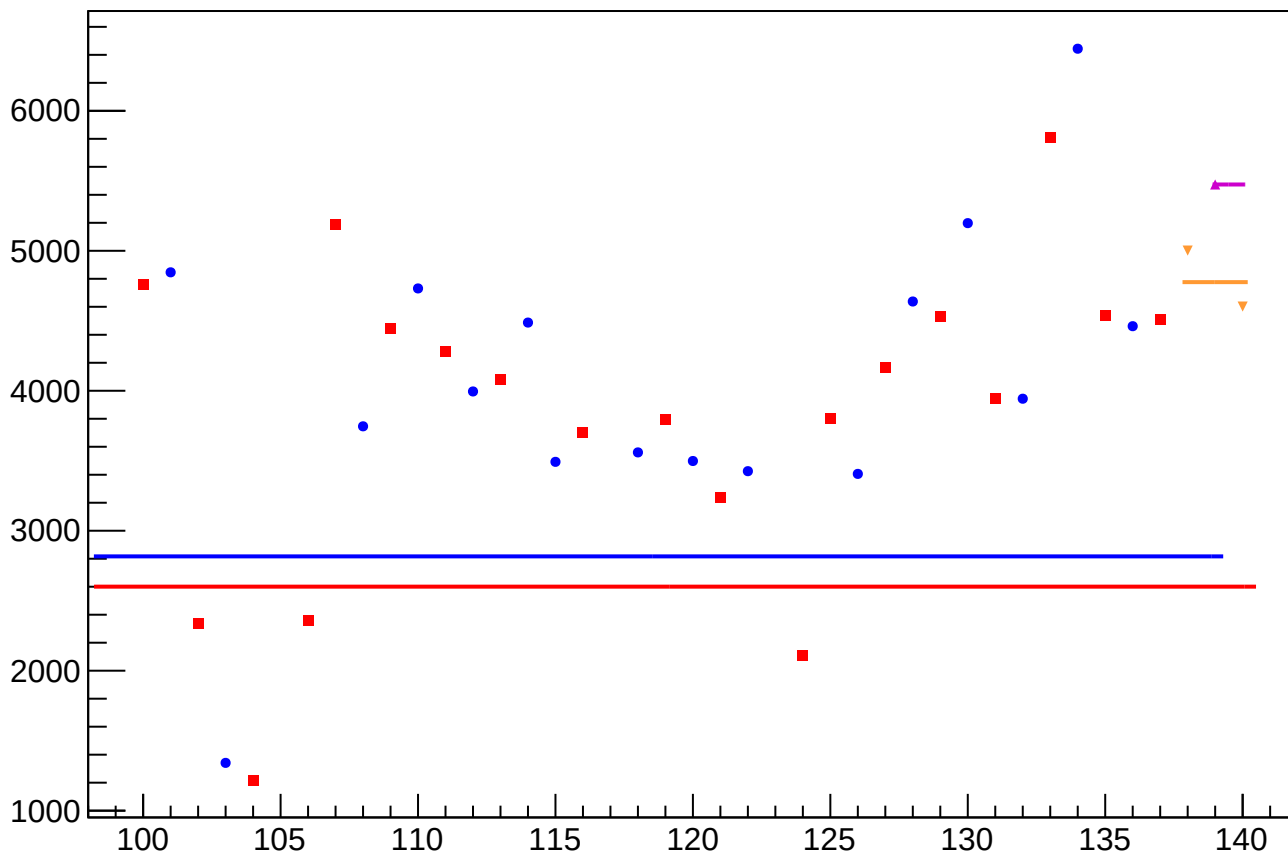
Left In: 680.657+/-5966.182 χ^2/NDF : 0.0/0

+ sign -246.845+/-1128.407 χ^2/NDF : 16.3/17

All: -88.150+/-780.250 χ^2/NDF : 32.3/37

- sign 57.238+/-1080.062 χ^2/NDF : 16.0/19

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 2816.784+/-0.836 χ^2/NDF : 3007570.0/15

Left Out: 4776.163+/-2.670 χ^2/NDF : 5520.4/1

Right Out: 2600.524+/-0.777 χ^2/NDF : 3080771.9/18

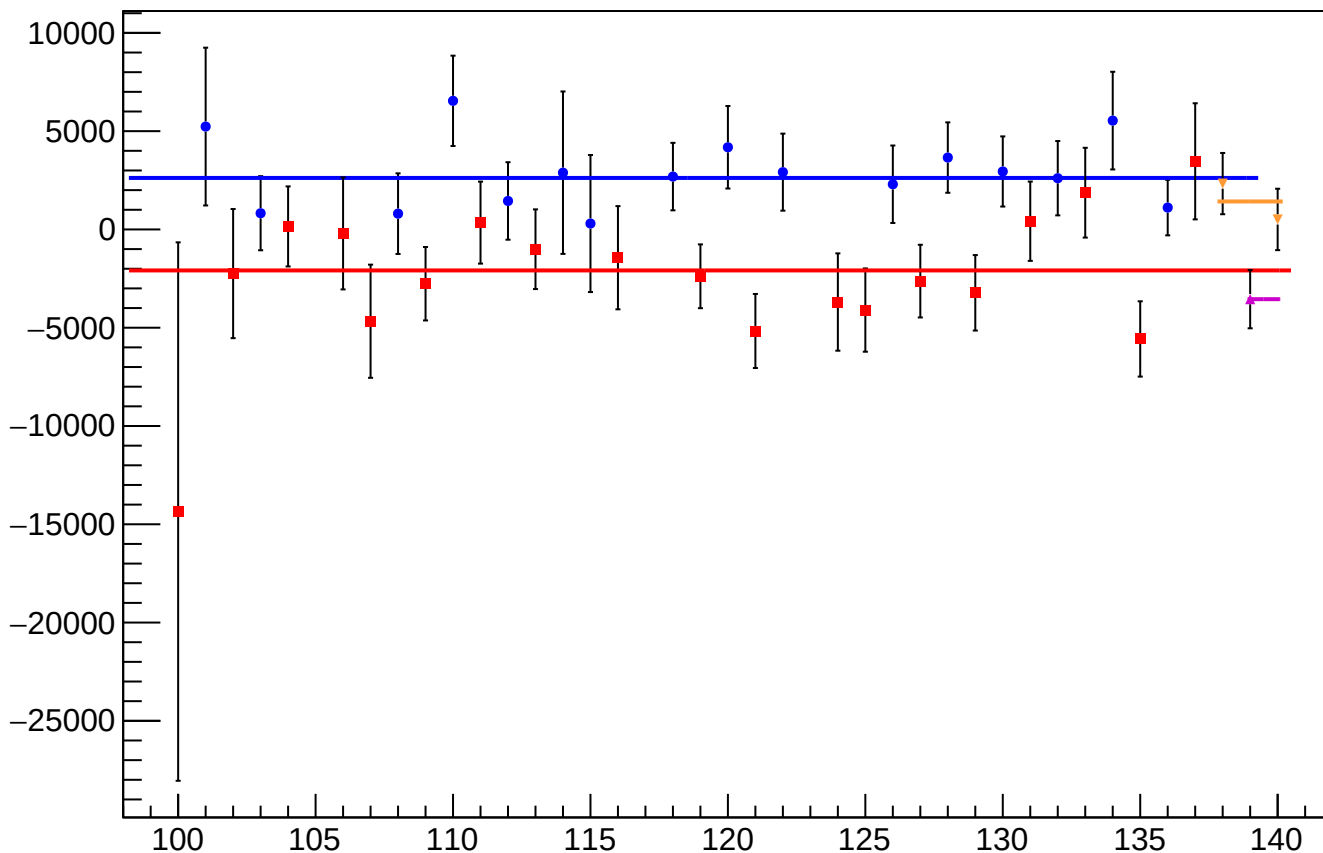
Left In: 5473.750+/-4.219 χ^2/NDF : 0.0/0

+ sign 2991.743+/-0.798 χ^2/NDF : 3503471.7/17

All: 2836.715+/-0.552 χ^2/NDF : 7105226.6/37

- sign 2694.686+/-0.764 χ^2/NDF : 3529419.5/19

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535 $\pm$ 511.510 χ^2 /NDF: 9.3/15

Left Out: 1422.977 $\pm$ 1103.260 χ^2 /NDF:0.7/1

Right Out: -2085.606 $\pm$ 504.873 χ^2 /NDF: 20.9/18

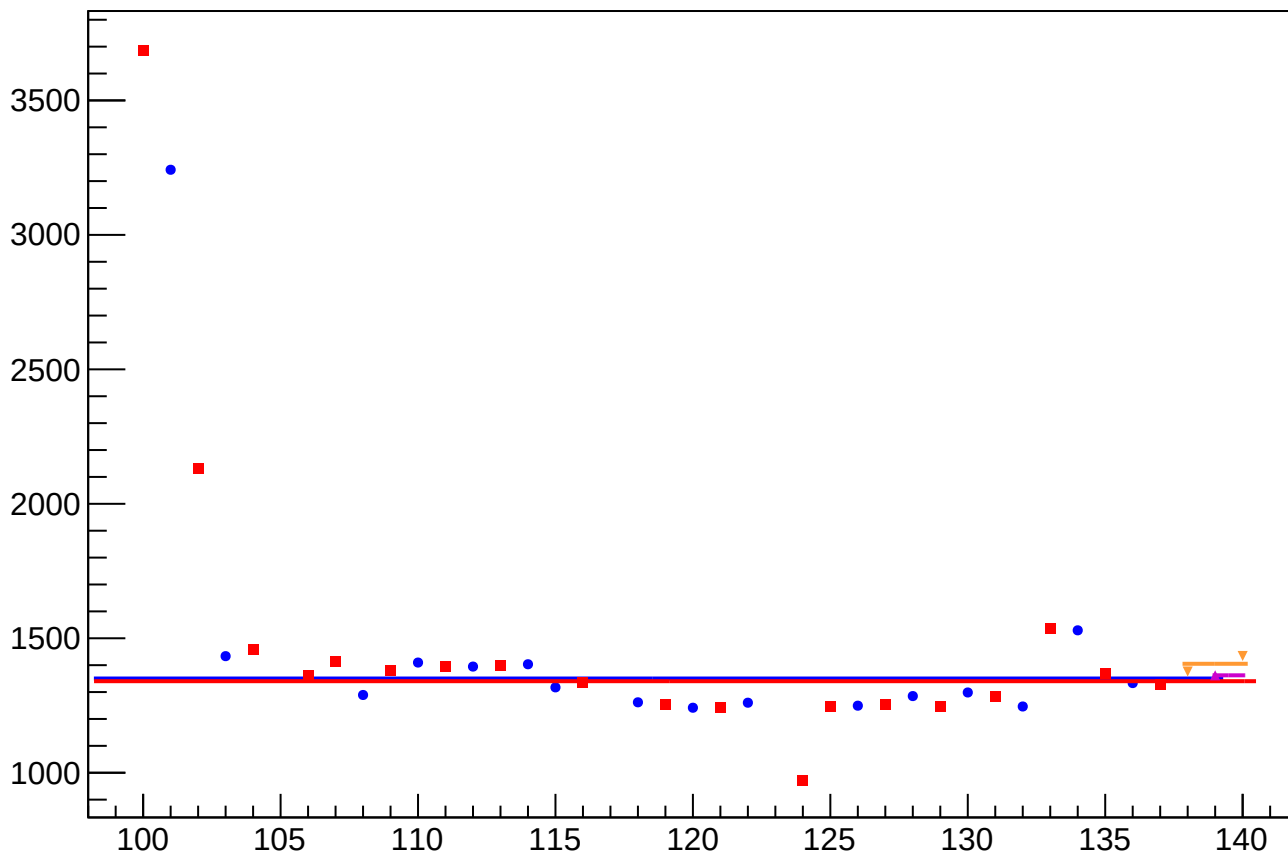
Left In: -3547.624 $\pm$ 1482.257 χ^2 /NDF:0.0/0

+ sign 2408.656 $\pm$ 464.060 χ^2 /NDF: 11.0/17

All: 153.839 $\pm$ 332.929 χ^2 /NDF: 81.4/37

- sign -2237.591 $\pm$ 477.911 χ^2 /NDF: 21.8/19

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF : 494051.1/15

Left Out: 1405.148+/-0.780 χ^2/NDF :1371.5/1

Right Out: 1340.429+/-0.357 χ^2/NDF : 272183.5/18

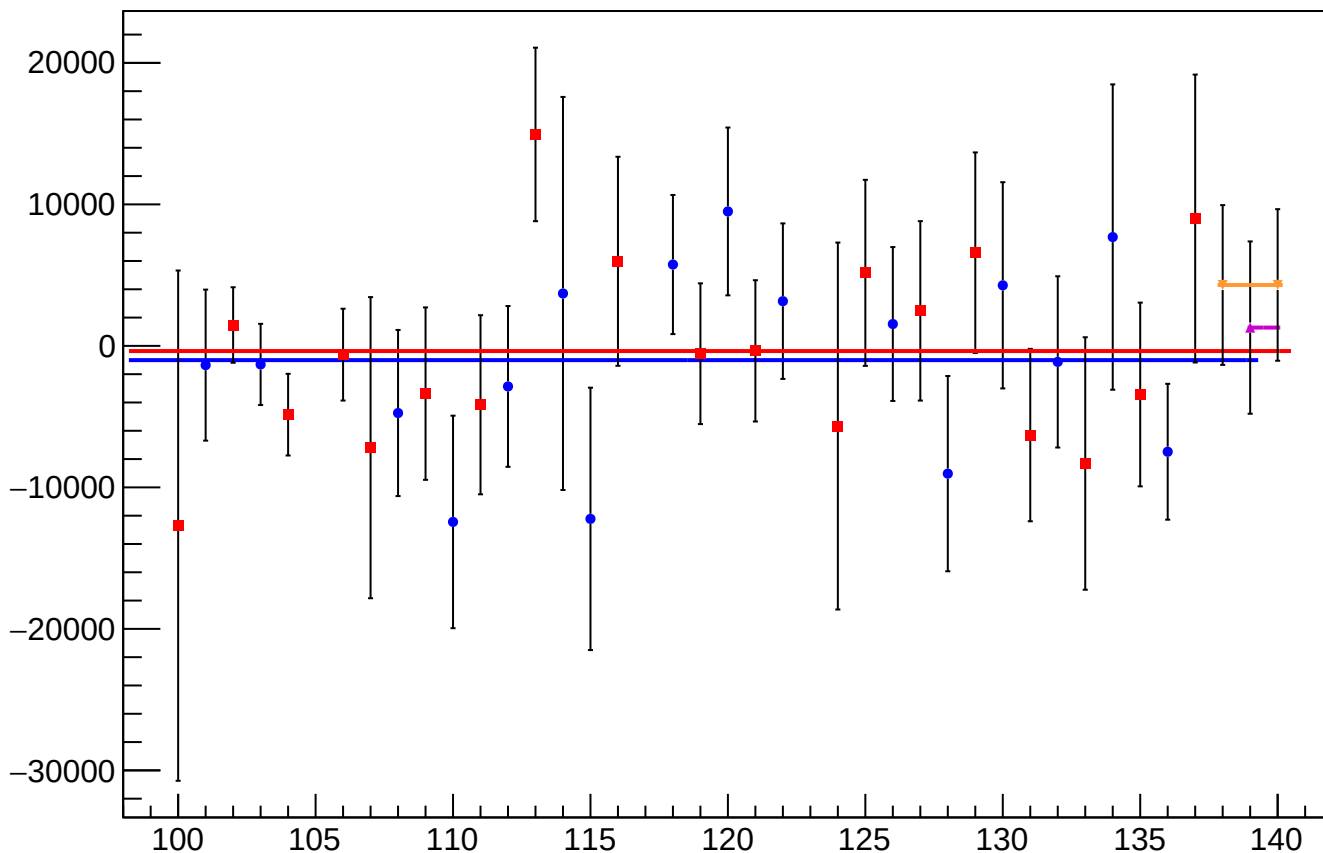
Left In: 1362.273+/-1.048 χ^2/NDF :0.0/0

+ sign 1360.061+/-0.328 χ^2/NDF : 499480.7/17

All: 1351.629+/-0.235 χ^2/NDF : 773413.2/37

- sign 1342.697+/-0.338 χ^2/NDF : 272572.8/19

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: -1006.752 ± 1404.458 χ^2/NDF : 14.6/15

Left Out: 4305.013 ± 3885.654 χ^2/NDF : 0.0/1

Right Out: -364.493 ± 1202.498 χ^2/NDF : 16.2/18

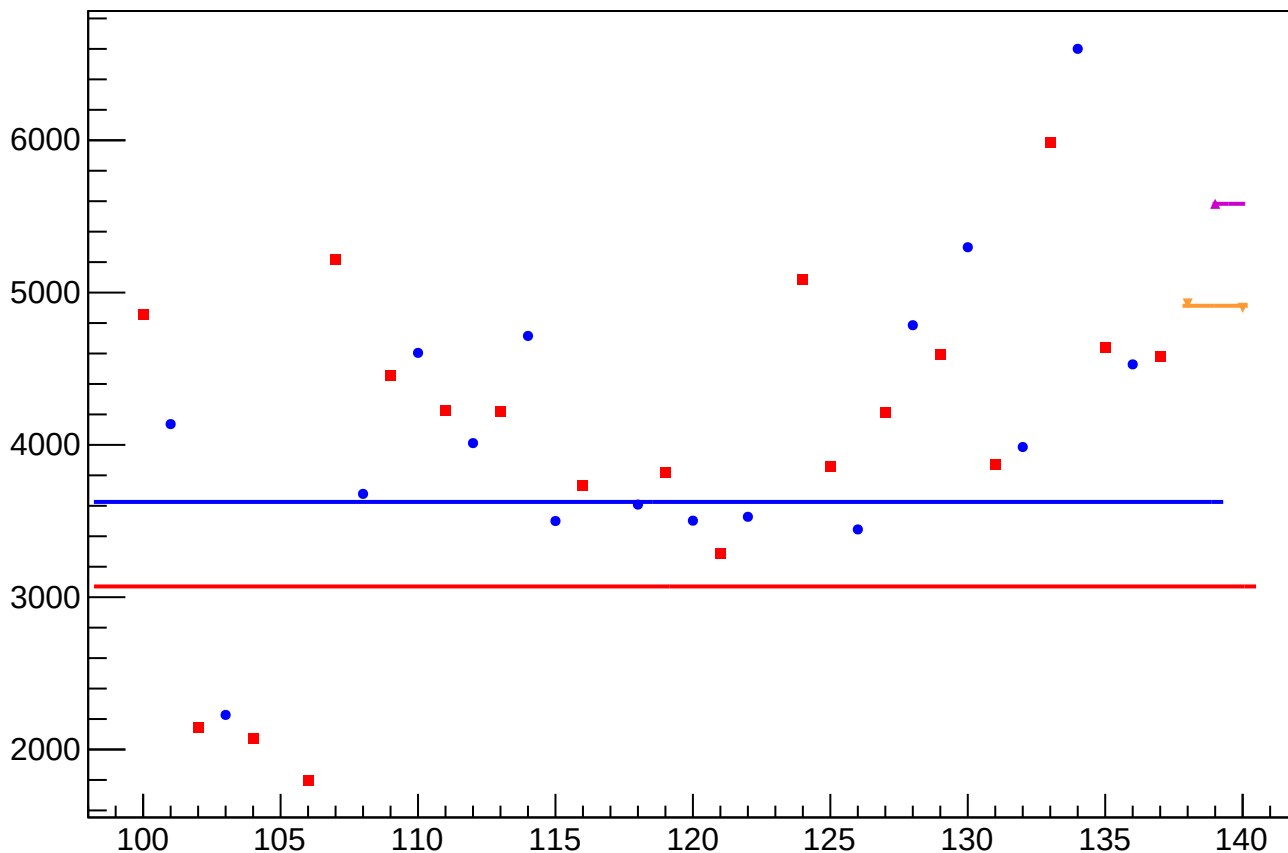
Left In: 1293.225 ± 6090.004 χ^2/NDF : 0.0/0

+ sign -392.986 ± 1320.827 χ^2/NDF : 16.2/17

All: -342.535 ± 879.862 χ^2/NDF : 32.5/37

- sign -302.287 ± 1179.721 χ^2/NDF : 16.3/19

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3625.512 $\pm$ 0.993 χ^2 /NDF: 944905.4/15

Left Out: 4913.388 $\pm$ 2.748 χ^2 /NDF: 27.5/1

Right Out: 3070.442 $\pm$ 0.850 χ^2 /NDF: 1838659.1/18

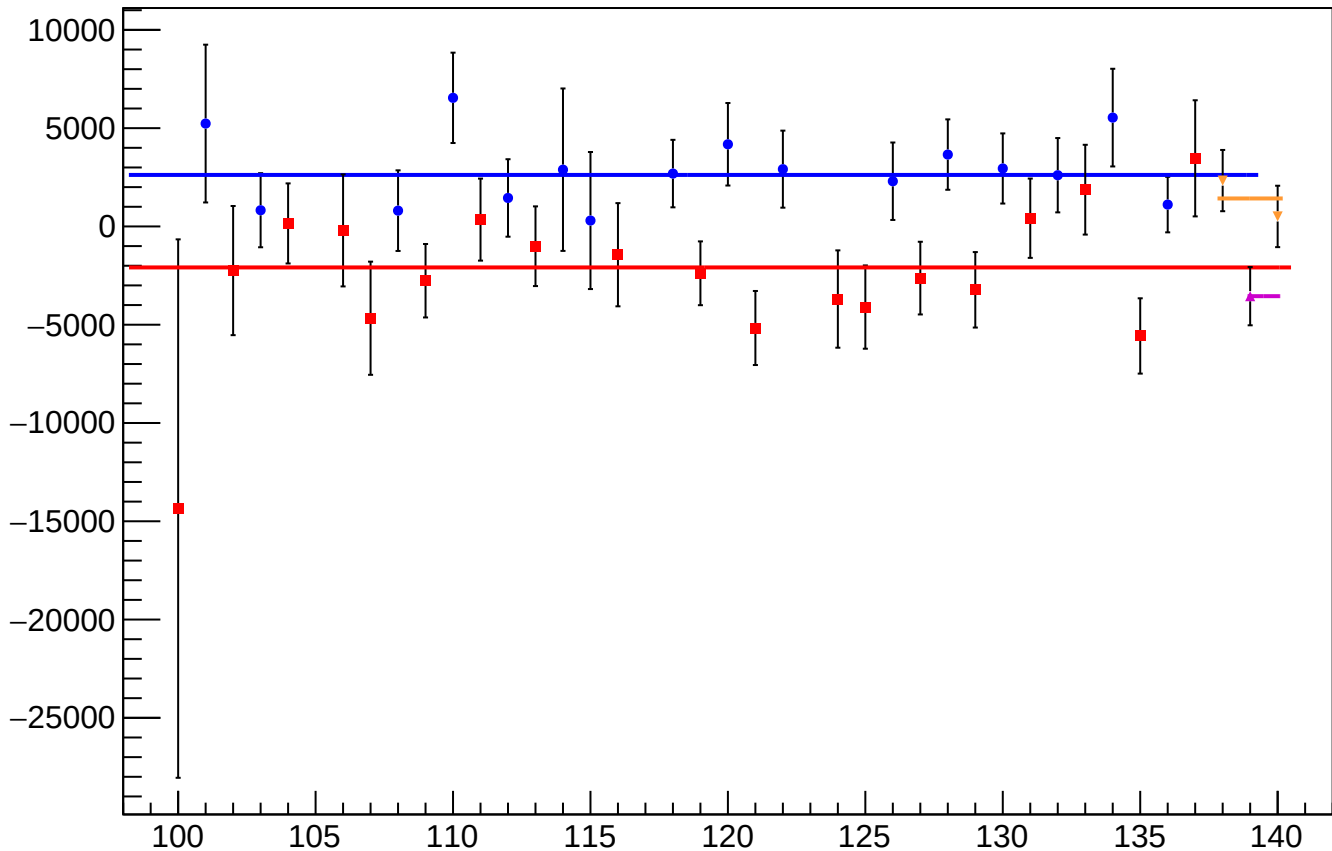
Left In: 5582.993 $\pm$ 4.306 χ^2 /NDF: 0.0/0

+ sign 3774.324 $\pm$ 0.934 χ^2 /NDF: 1139255.8/17

All: 3435.235 $\pm$ 0.622 χ^2 /NDF: 3542538.9/37

- sign 3164.726 $\pm$ 0.834 χ^2 /NDF: 2166311.9/19

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535 $\pm$ 511.510 χ^2 /NDF: 9.3/15

Left Out: 1422.979 $\pm$ 1103.261 χ^2 /NDF: 0.7/1

Right Out: -2085.608 $\pm$ 504.873 χ^2 /NDF: 20.9/18

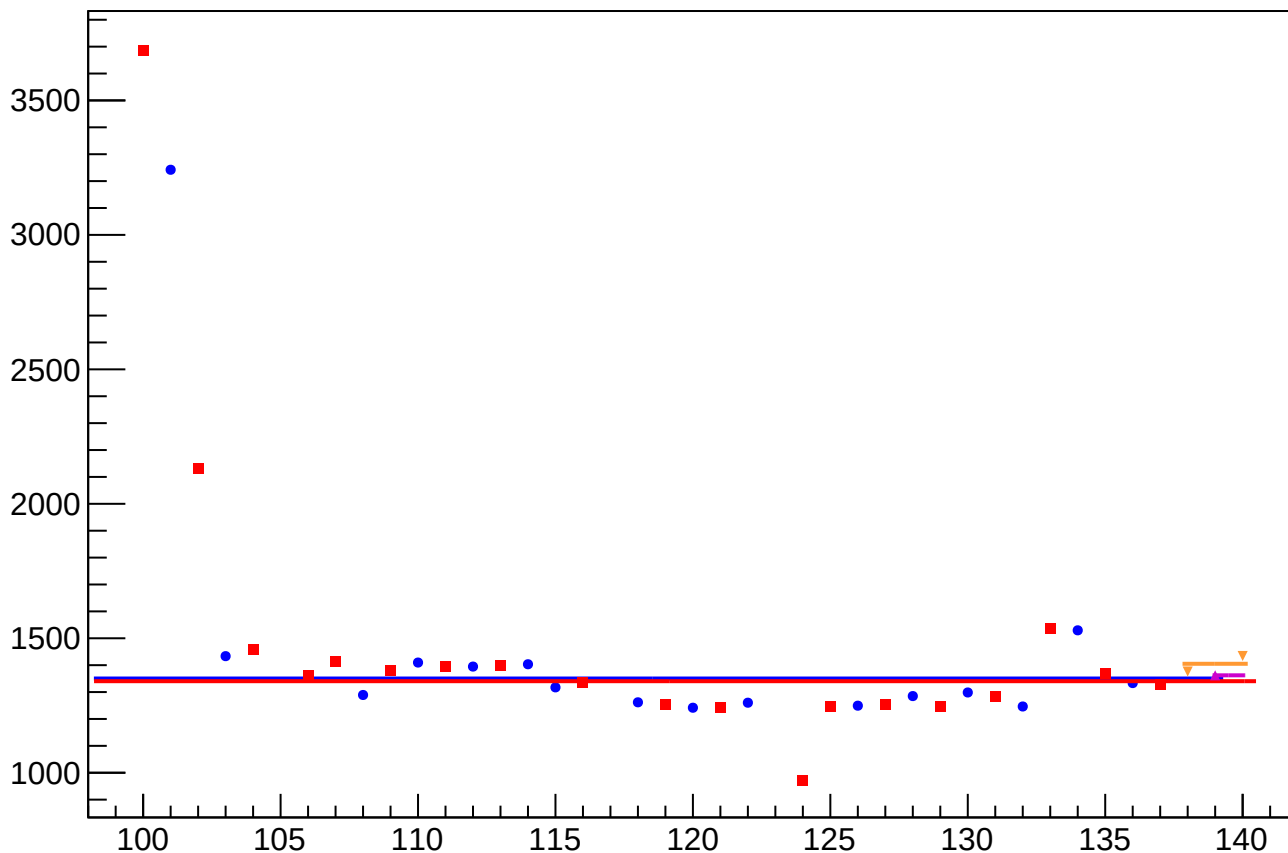
Left In: -3547.601 $\pm$ 1482.258 χ^2 /NDF: 0.0/0

+ sign 2408.657 $\pm$ 464.059 χ^2 /NDF: 11.0/17

All: 153.840 $\pm$ 332.929 χ^2 /NDF: 81.4/37

- sign -2237.590 $\pm$ 477.911 χ^2 /NDF: 21.8/19

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: 1405.148+/-0.780 χ^2/NDF :1371.5/1

Right Out: 1340.428+/-0.357 χ^2/NDF : 272182.5/18

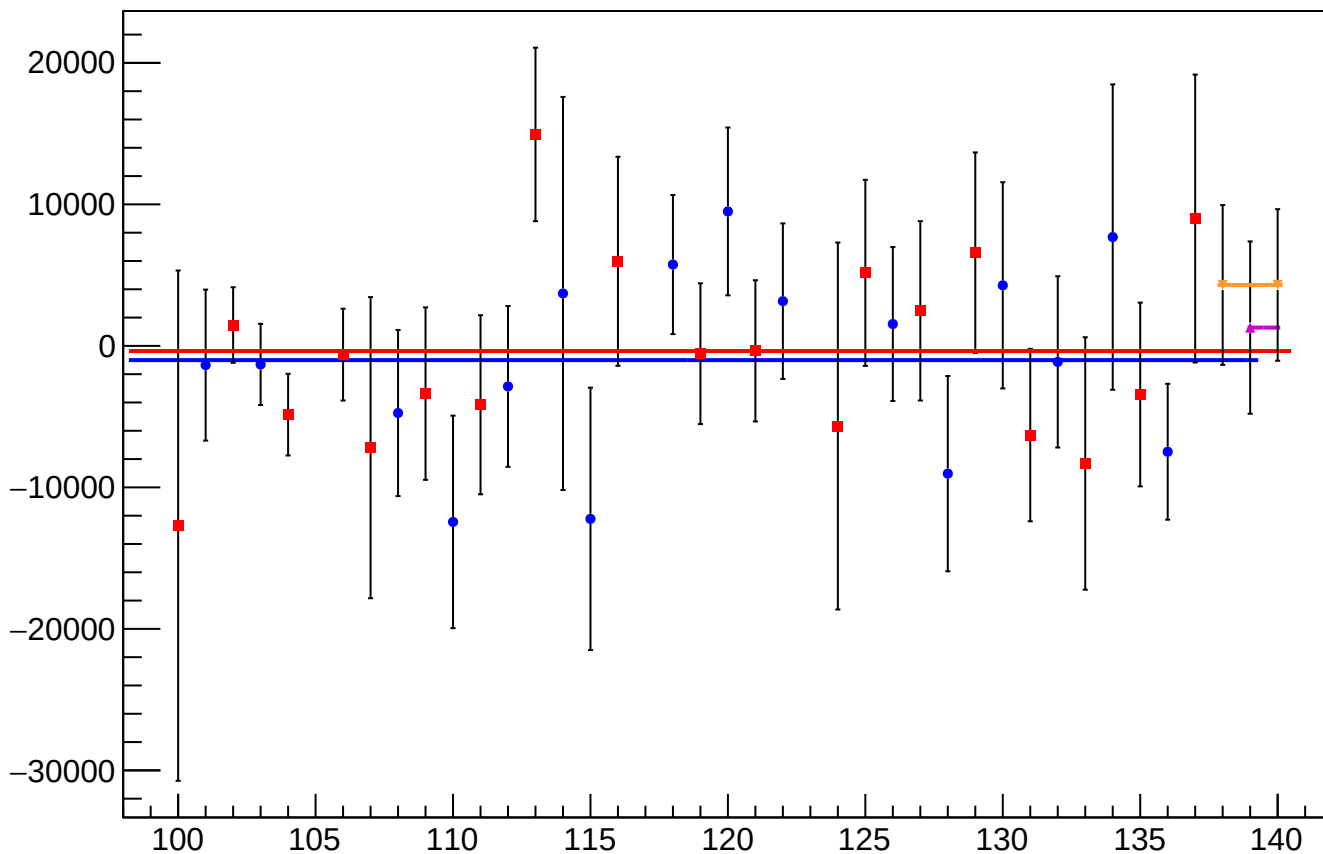
Left In: 1362.274+/-1.048 χ^2/NDF :0.0/0

+ sign 1360.061+/-0.328 χ^2/NDF : 499481.0/17

All: 1351.629+/-0.235 χ^2/NDF : 773412.5/37

- sign 1342.697+/-0.338 χ^2/NDF : 272571.9/19

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1006.742 $\pm$ 1404.455 χ^2 /NDF: 14.6/15

Left Out: 4305.015 $\pm$ 3885.660 χ^2 /NDF: 0.0/1

Right Out: -364.495 $\pm$ 1202.495 χ^2 /NDF: 16.2/18

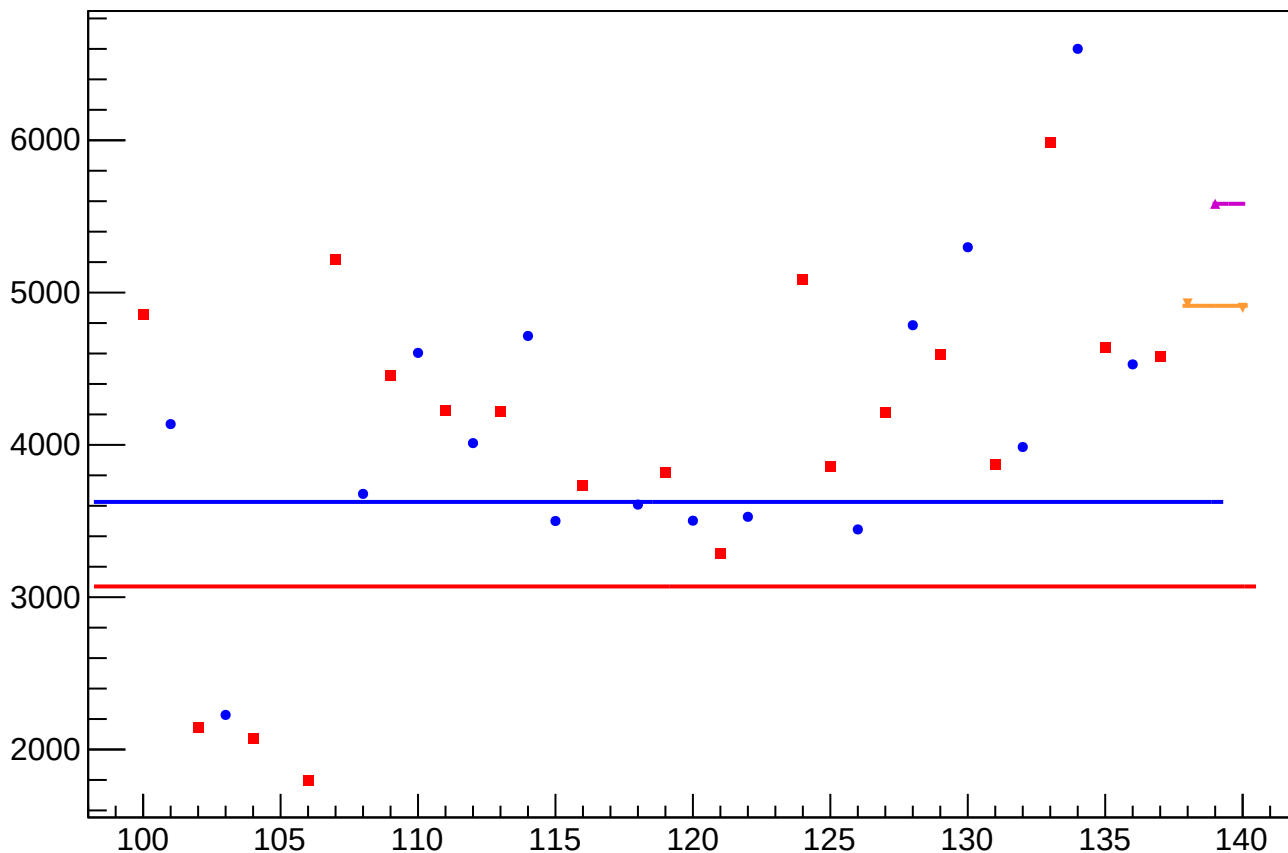
Left In: 1293.247 $\pm$ 6090.019 χ^2 /NDF: 0.0/0

+ sign -392.982 $\pm$ 1320.824 χ^2 /NDF: 16.2/17

All: -342.533 $\pm$ 879.860 χ^2 /NDF: 32.5/37

- sign -302.288 $\pm$ 1179.718 χ^2 /NDF: 16.3/19

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 3625.503+/-0.993 χ^2/NDF : 944907.6/15

Left Out: 4913.395+/-2.748 χ^2/NDF : 27.6/1

Right Out: 3070.434+/-0.850 χ^2/NDF : 1838662.0/18

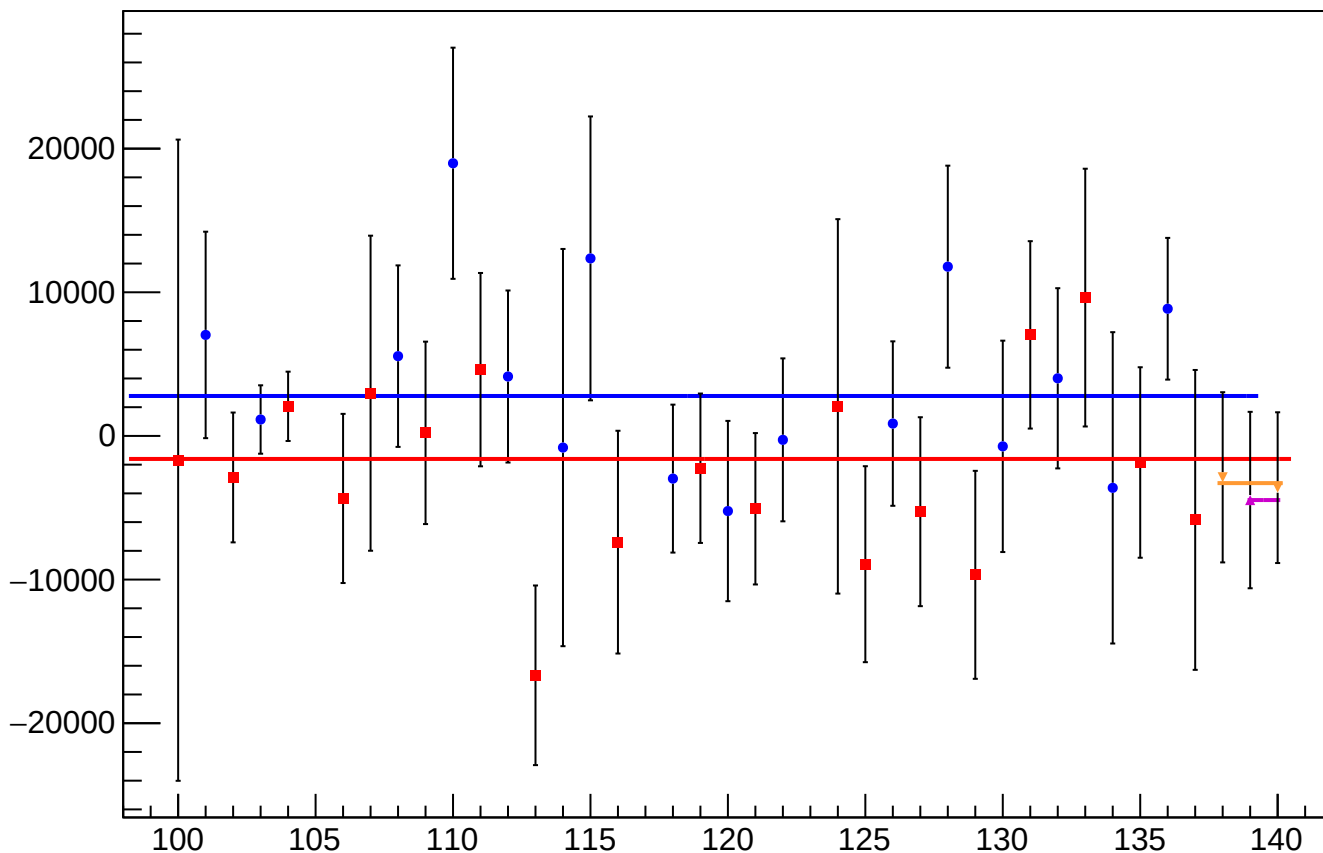
Left In: 5583.007+/-4.306 χ^2/NDF : 0.0/0

+ sign 3774.316+/-0.934 χ^2/NDF : 1139262.5/17

All: 3435.226+/-0.622 χ^2/NDF : 3542554.4/37

- sign 3164.718+/-0.834 χ^2/NDF : 2166319.2/19

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878 $\pm$ 1389.439 χ^2 /NDF: 13.2/15

Left Out: -3284.683 $\pm$ 3928.092 χ^2 /NDF: 0.0/1

Right Out: -1602.626 $\pm$ 1337.018 χ^2 /NDF: 16.8/18

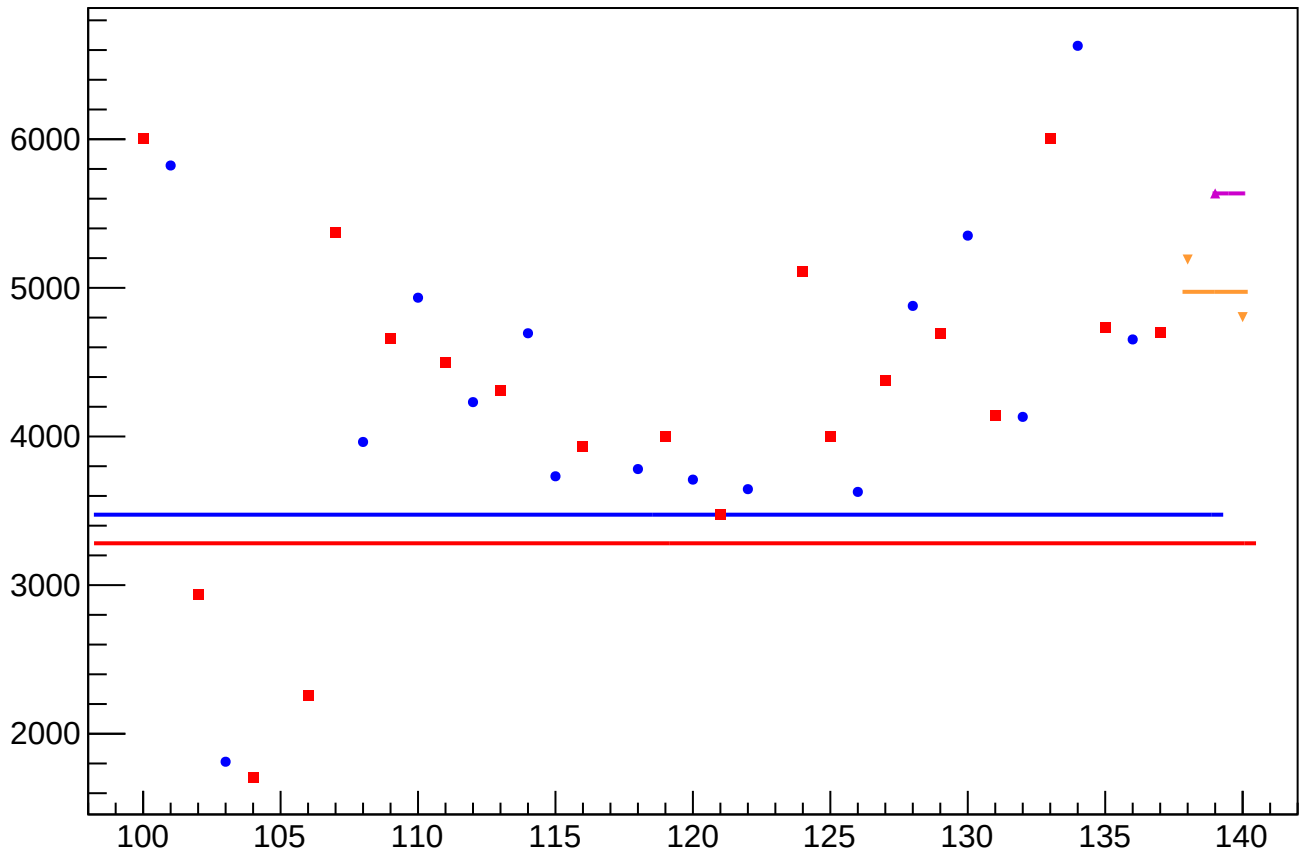
Left In: -4464.366 $\pm$ 6141.202 χ^2 /NDF: 0.0/0

+ sign 2106.367 $\pm$ 1309.908 χ^2 /NDF: 15.3/17

All: 181.994 $\pm$ 925.007 χ^2 /NDF: 36.6/37

- sign -1732.131 $\pm$ 1306.415 χ^2 /NDF: 17.0/19

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF : 1843964.2/15

Left Out: 4973.340+/-2.778 χ^2/NDF : 4794.9/1

Right Out: 3281.478+/-0.932 χ^2/NDF : 1875493.9/18

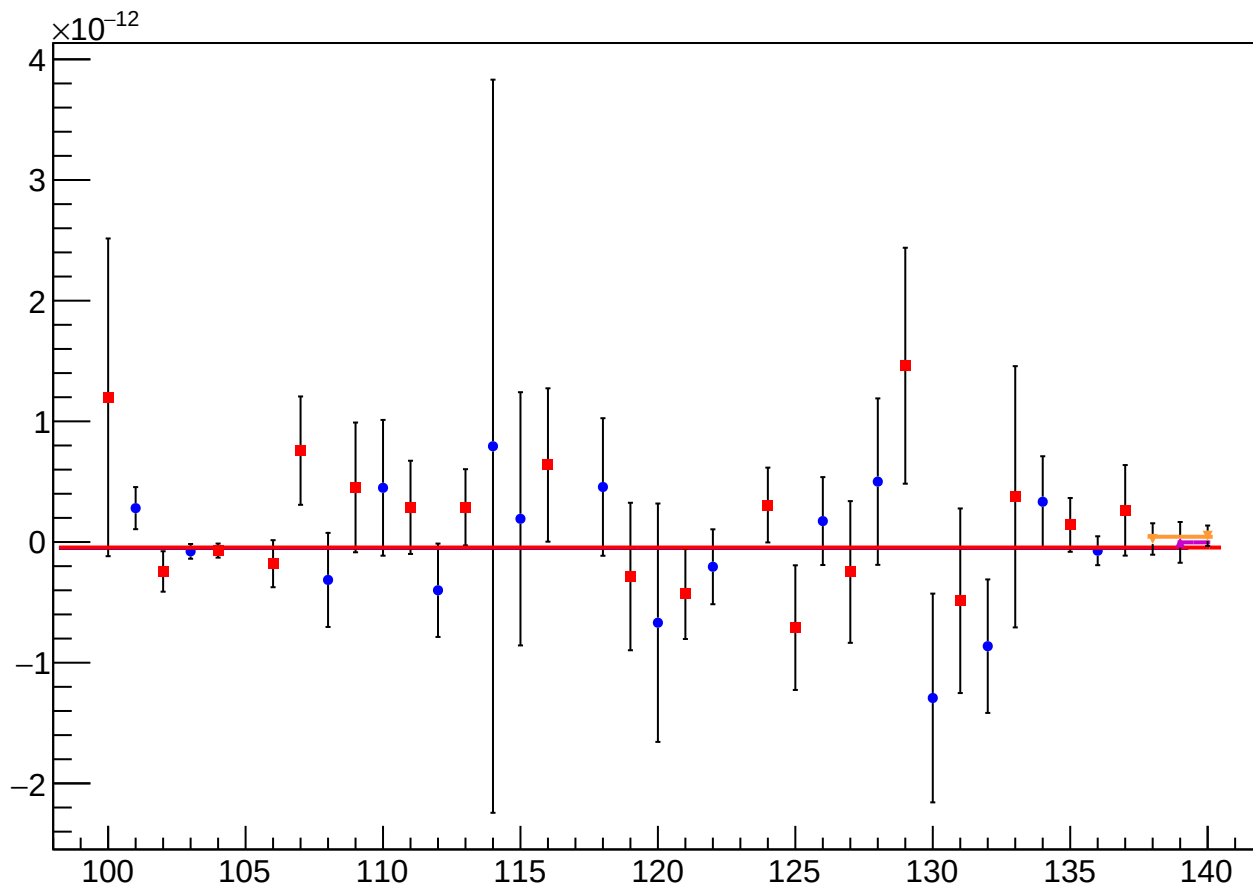
Left In: 5635.447+/-4.342 χ^2/NDF : 0.0/0

+ sign 3640.639+/-0.926 χ^2/NDF : 2107776.5/17

All: 3510.921+/-0.650 χ^2/NDF : 4302783.6/37

- sign 3385.240+/-0.912 χ^2/NDF : 2156390.5/19

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/18

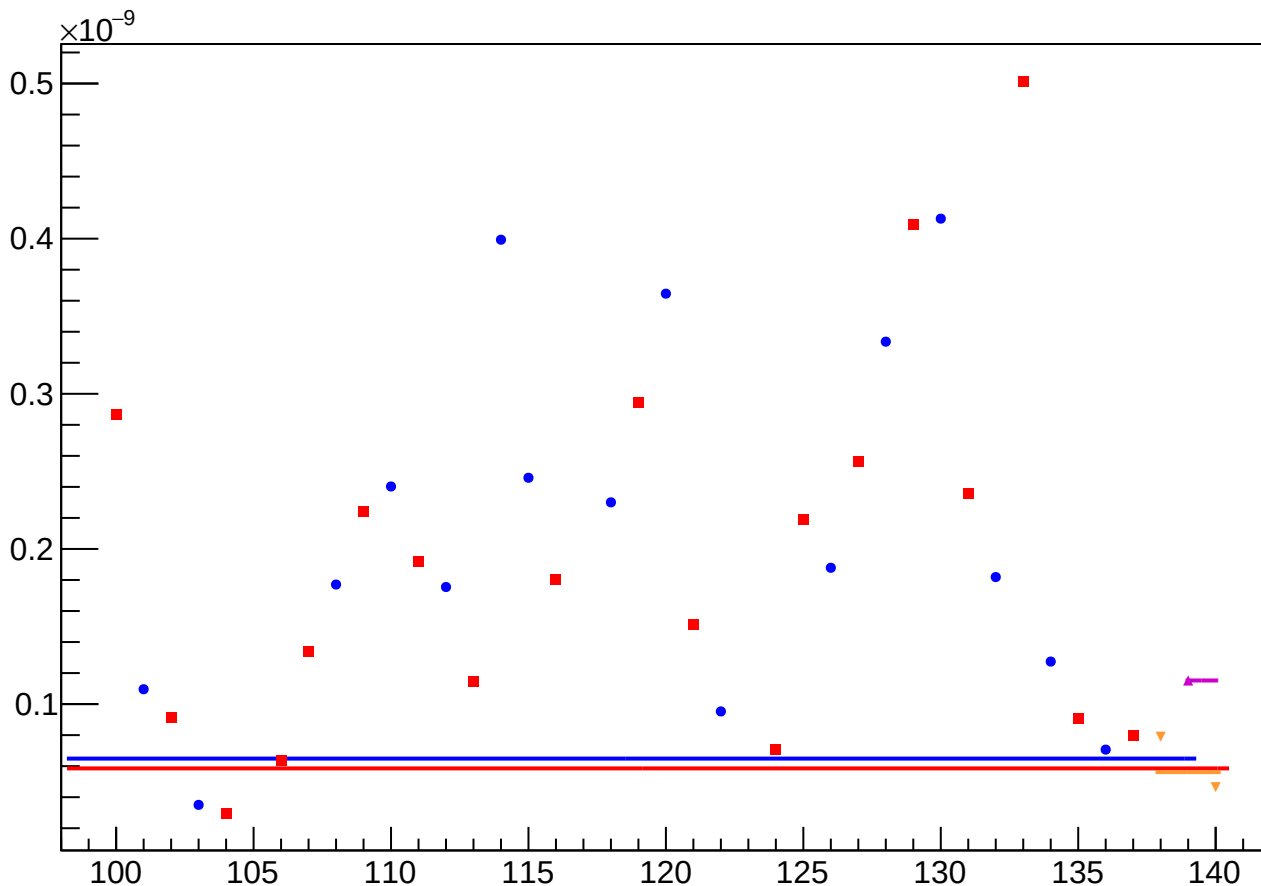
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/19

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 87394.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2855105.2/18

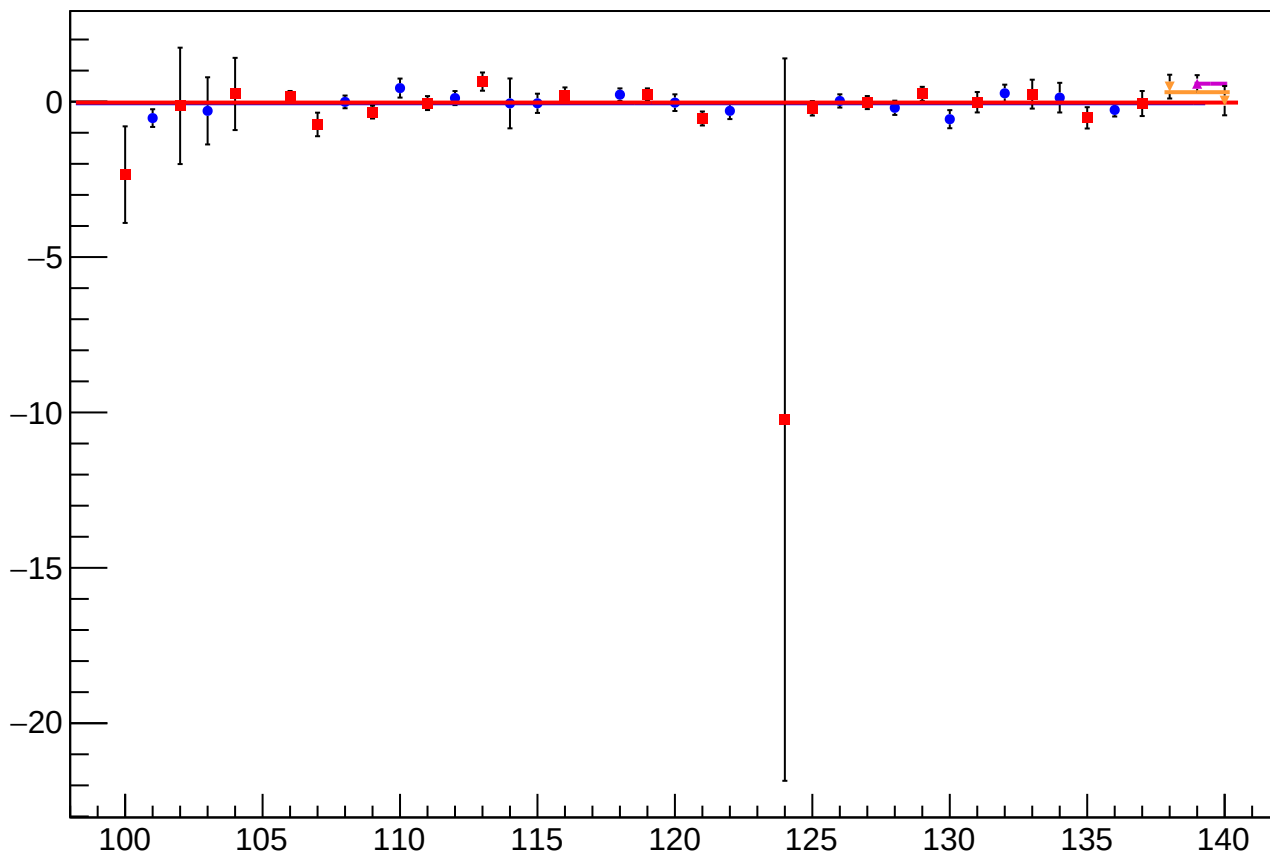
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2700784.2/17

All: 0.000+/-0.000 χ^2/NDF : 5764635.2/37

- sign 0.000+/-0.000 χ^2/NDF : 3063650.0/19

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.051 ± 0.067 χ^2/NDF : 14.9/15

Left Out: 0.305 ± 0.297 χ^2/NDF : 0.6/1

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

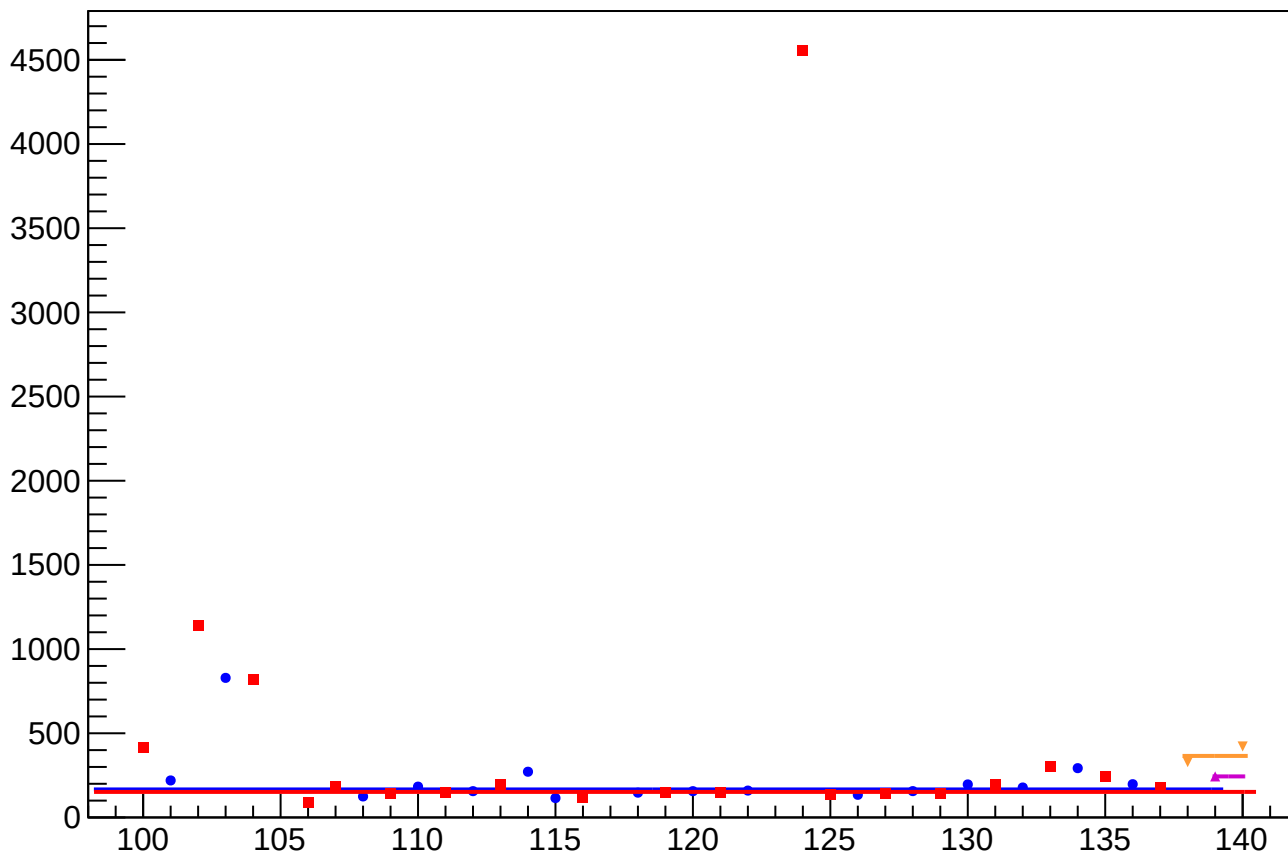
Left In: 0.579 ± 0.275 χ^2/NDF : 0.0/0

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.015 ± 0.045 χ^2/NDF : 49.1/37

- sign 0.002 ± 0.062 χ^2/NDF : 32.2/19

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360 $\pm$ 0.047 χ^2 /NDF: 1282728.5/15

Left Out: 365.499 $\pm$ 0.210 χ^2 /NDF: 47202.6/1

Right Out: 151.791 $\pm$ 0.045 χ^2 /NDF: 2315638.8/18

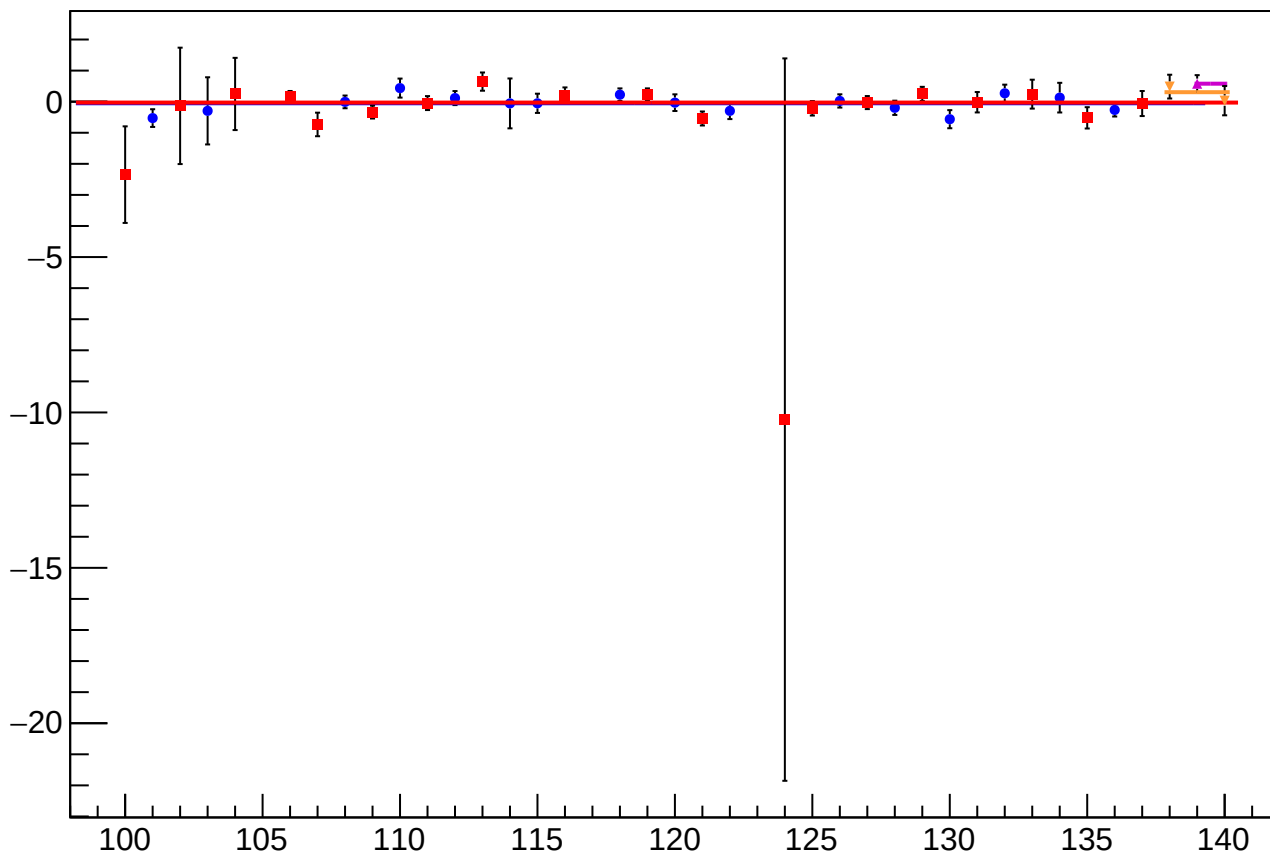
Left In: 243.800 $\pm$ 0.195 χ^2 /NDF: 0.0/0

+ sign 175.942 $\pm$ 0.046 χ^2 /NDF: 2187003.3/17

All: 165.811 $\pm$ 0.032 χ^2 /NDF: 4807650.8/37

- sign 156.516 $\pm$ 0.044 χ^2 /NDF: 2527781.1/19

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.051 ± 0.067 χ^2/NDF : 14.9/15

Left Out: 0.305 ± 0.297 χ^2/NDF : 0.6/1

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

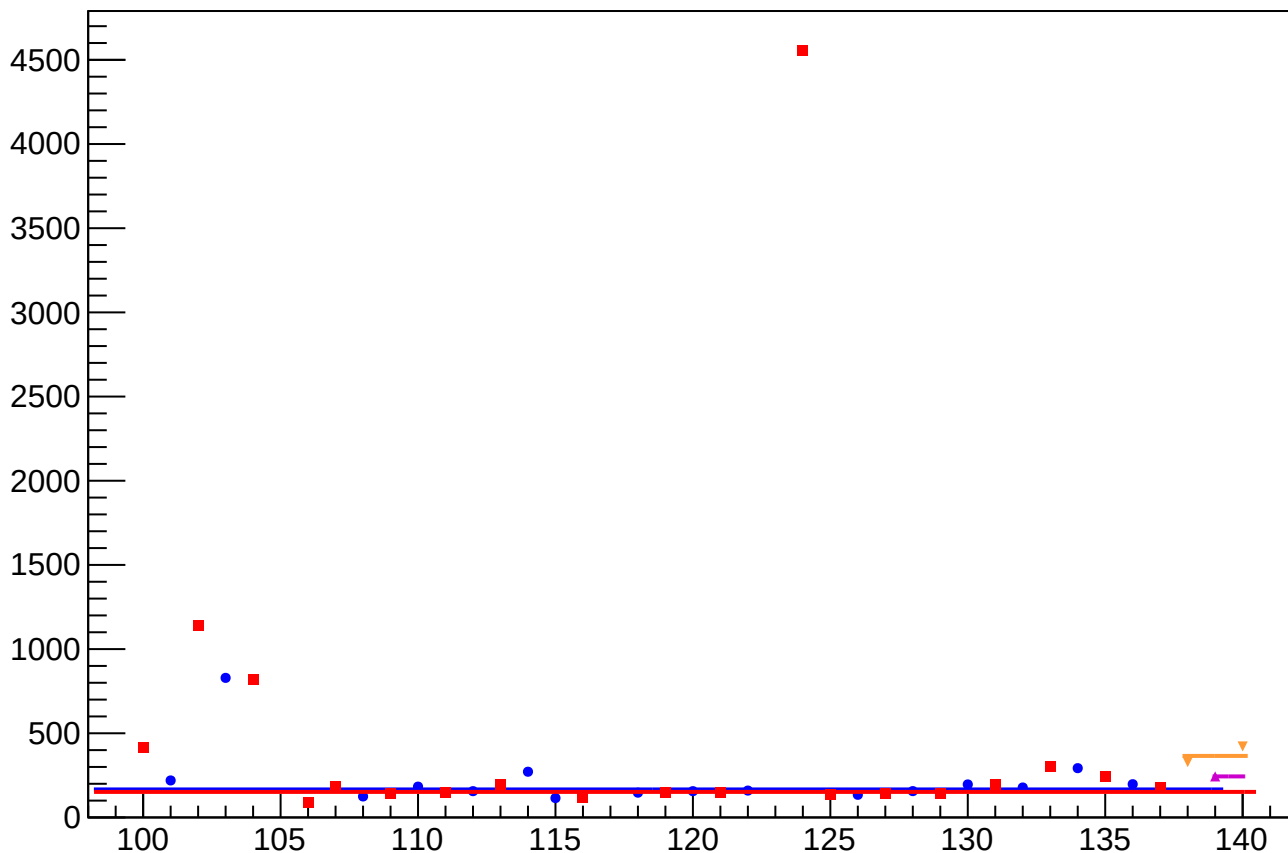
Left In: 0.579 ± 0.275 χ^2/NDF : 0.0/0

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.015 ± 0.045 χ^2/NDF : 49.1/37

- sign 0.002 ± 0.062 χ^2/NDF : 32.2/19

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF : 1282728.5/15

Left Out: 365.499+/-0.210 χ^2/NDF : 47202.6/1

Right Out: 151.791+/-0.045 χ^2/NDF : 2315638.8/18

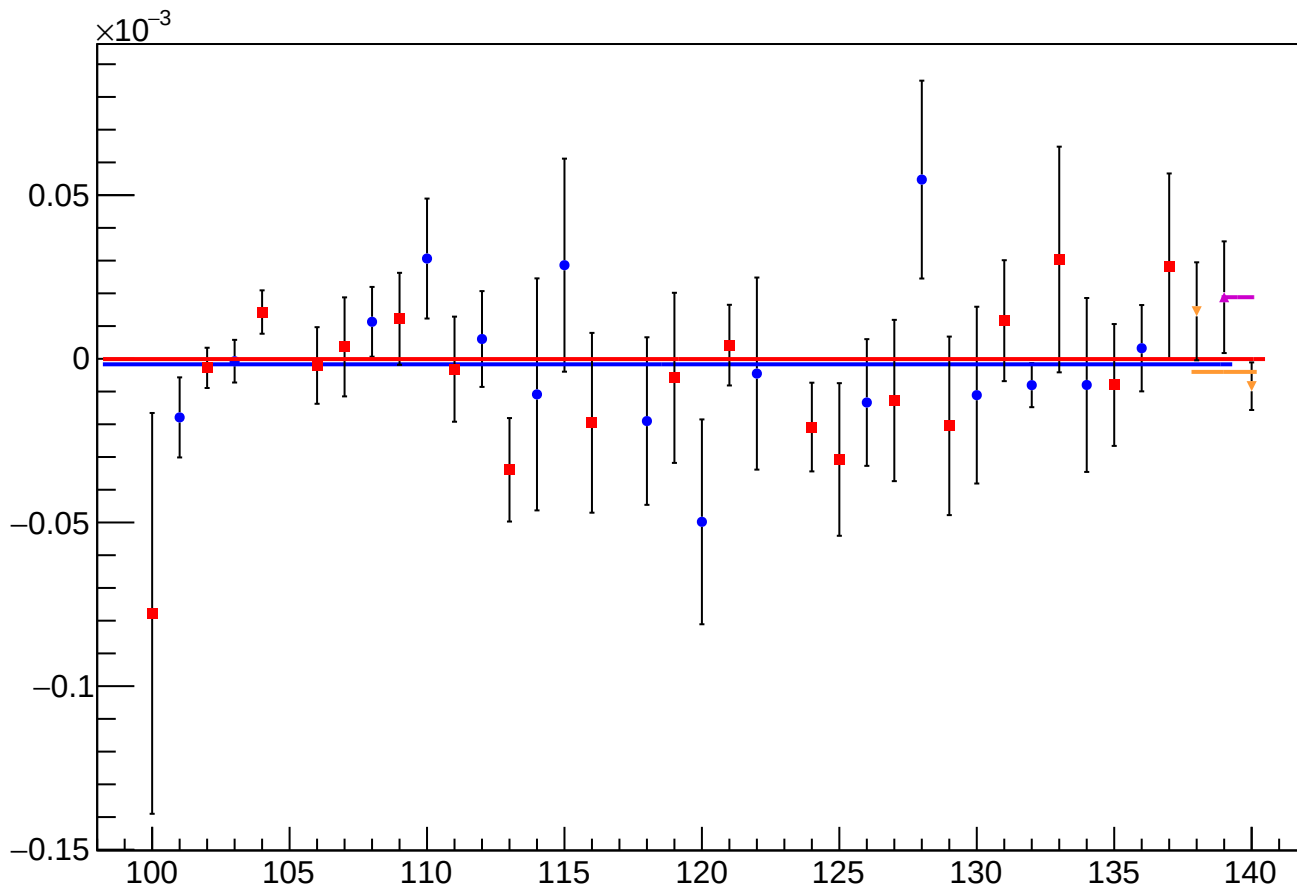
Left In: 243.800+/-0.195 χ^2/NDF : 0.0/0

+ sign 175.942+/-0.046 χ^2/NDF : 2187003.3/17

All: 165.811+/-0.032 χ^2/NDF : 4807650.8/37

- sign 156.516+/-0.044 χ^2/NDF : 2527781.1/19

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2 /NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 19.9/18

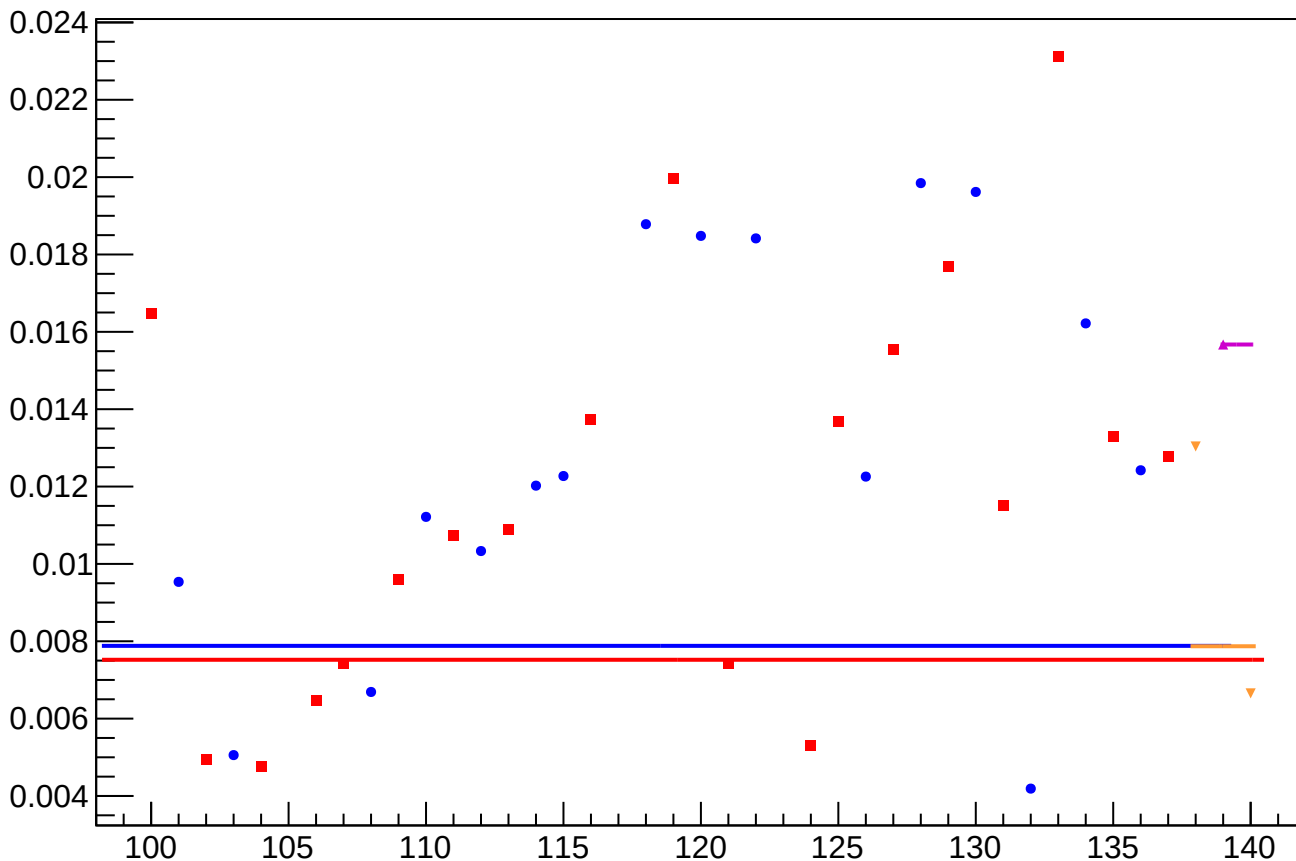
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 17.5/17

All: -0.000+/-0.000 χ^2 /NDF: 38.9/37

- sign 0.000+/-0.000 χ^2 /NDF: 21.1/19

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF :294385.6/1

Right Out: 0.008+/-0.000 χ^2/NDF : 2975331.6/18

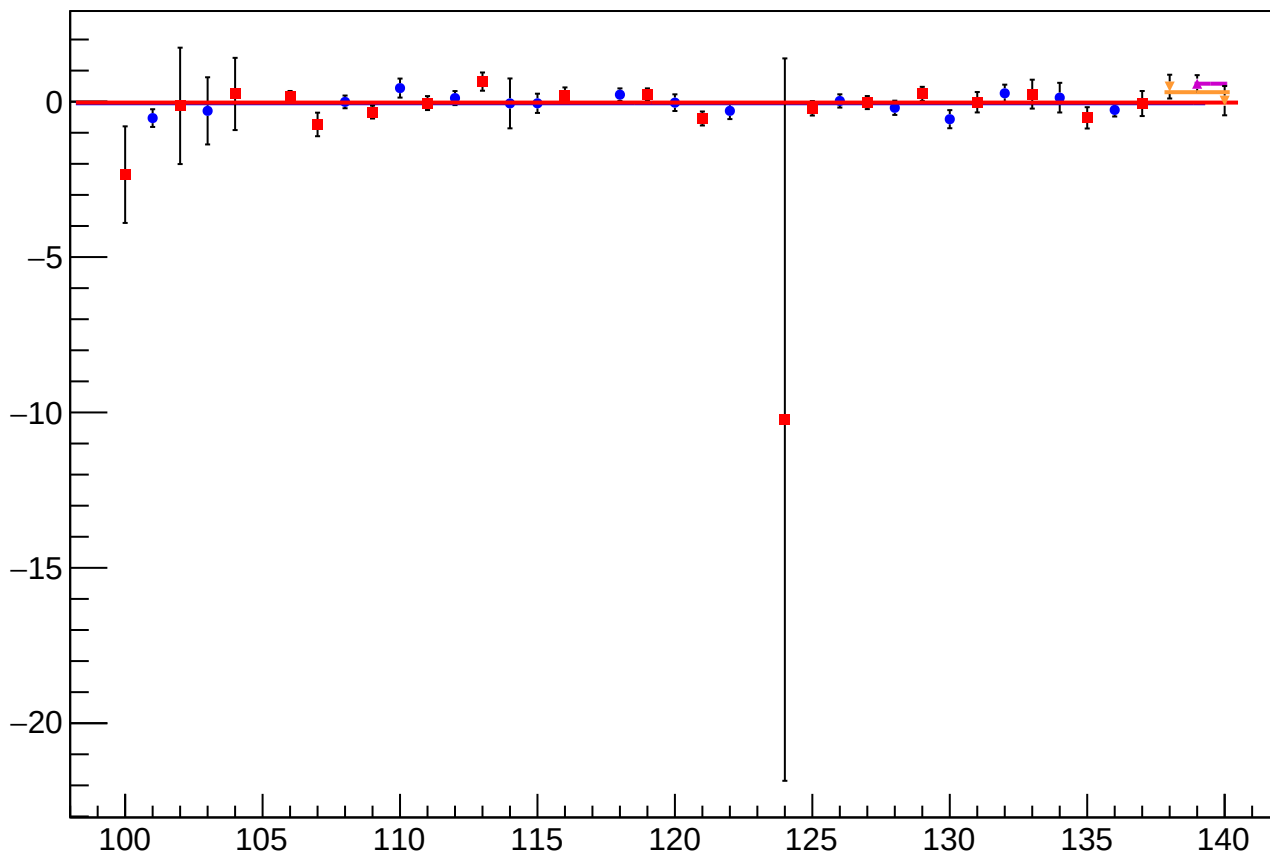
Left In: 0.016+/-0.000 χ^2/NDF :0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 3596123.7/17

All: 0.008+/-0.000 χ^2/NDF : 7013927.7/37

- sign 0.008+/-0.000 χ^2/NDF : 3416908.0/19

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.051 ± 0.067 χ^2/NDF : 14.9/15

Left Out: 0.305 ± 0.297 χ^2/NDF : 0.6/1

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

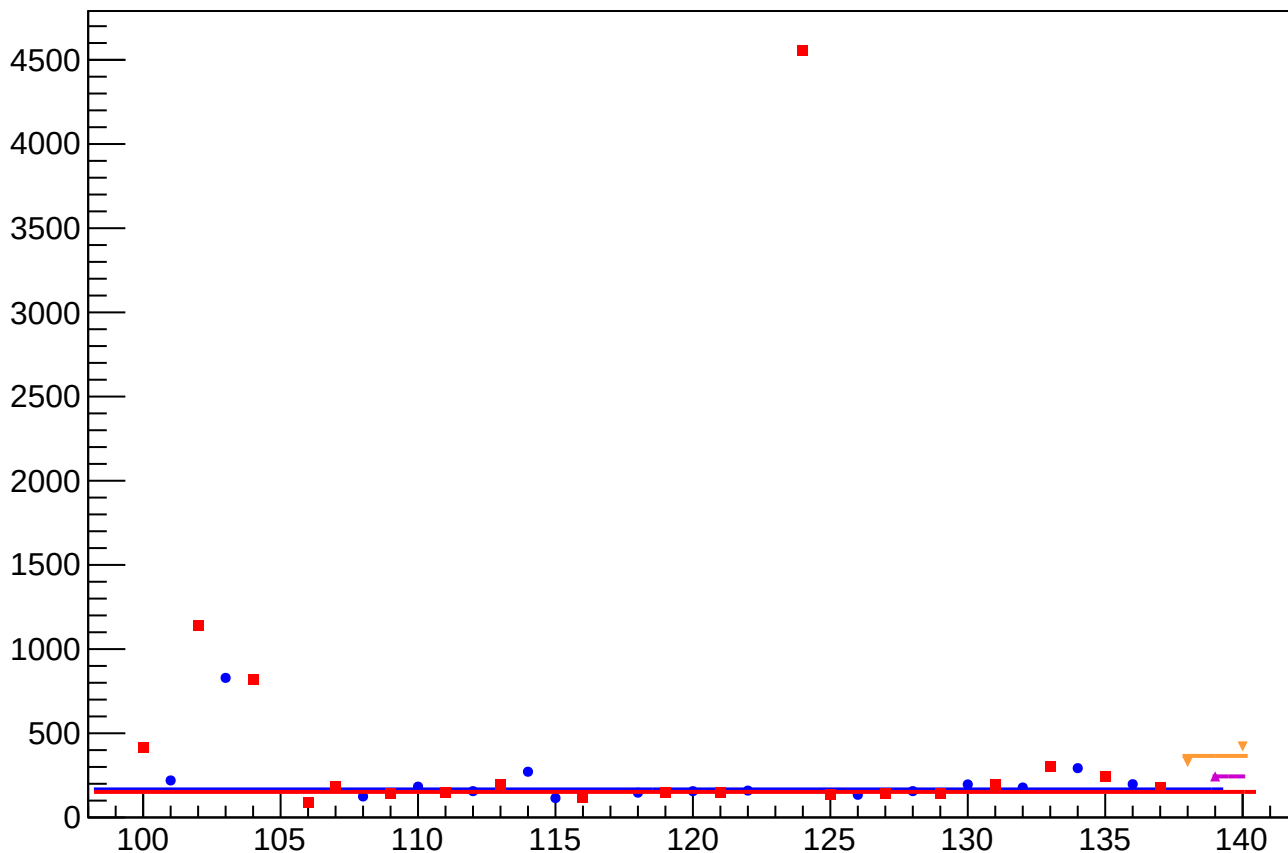
Left In: 0.579 ± 0.275 χ^2/NDF : 0.0/0

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.015 ± 0.045 χ^2/NDF : 49.1/37

- sign 0.002 ± 0.062 χ^2/NDF : 32.2/19

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 166.359+/-0.047 χ^2/NDF : 1282724.2/15

Left Out: 365.501+/-0.210 χ^2/NDF : 47200.8/1

Right Out: 151.790+/-0.045 χ^2/NDF : 2315641.8/18

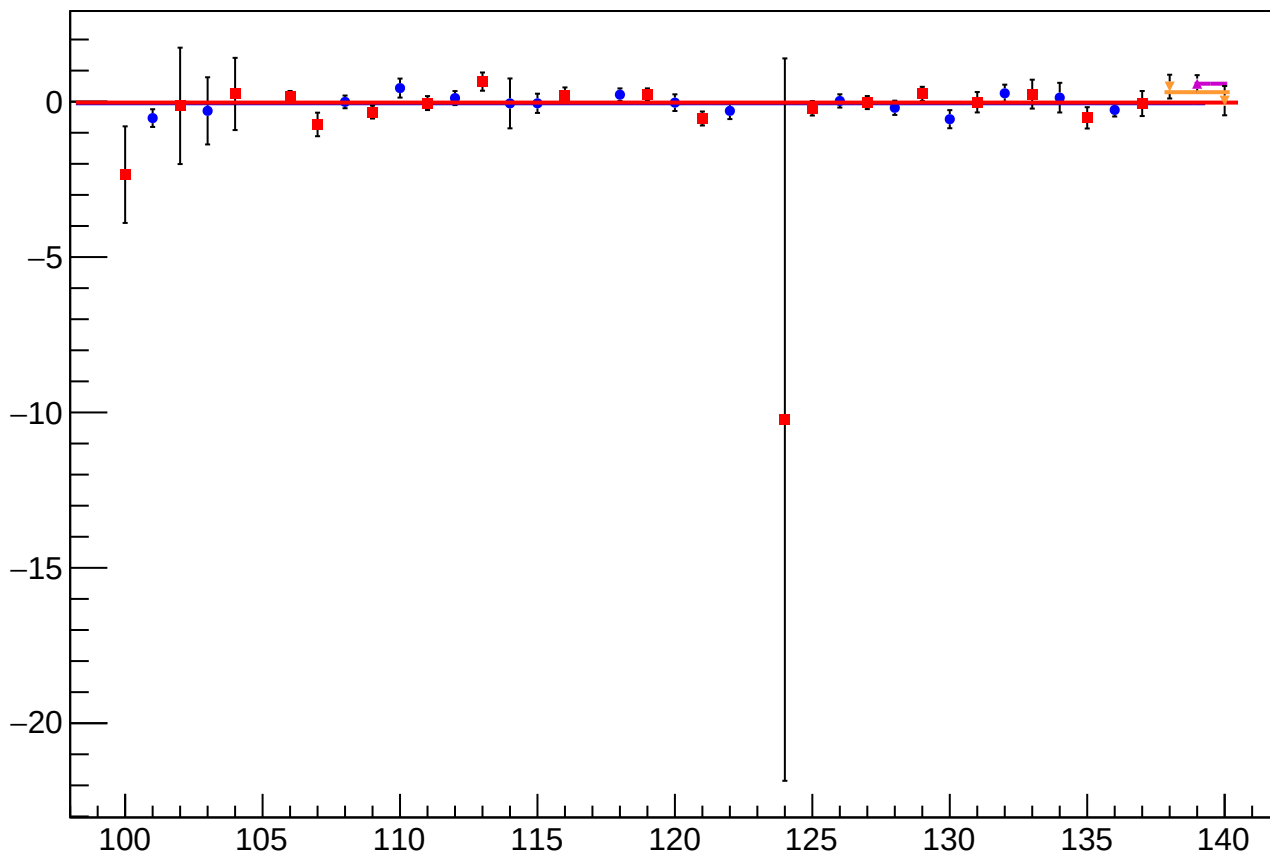
Left In: 243.806+/-0.195 χ^2/NDF : 0.0/0

+ sign 175.941+/-0.046 χ^2/NDF : 2187017.8/17

All: 165.810+/-0.032 χ^2/NDF : 4807696.6/37

- sign 156.515+/-0.044 χ^2/NDF : 2527807.0/19

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.051 ± 0.067 χ^2/NDF : 14.9/15

Left Out: 0.305 ± 0.297 χ^2/NDF : 0.6/1

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

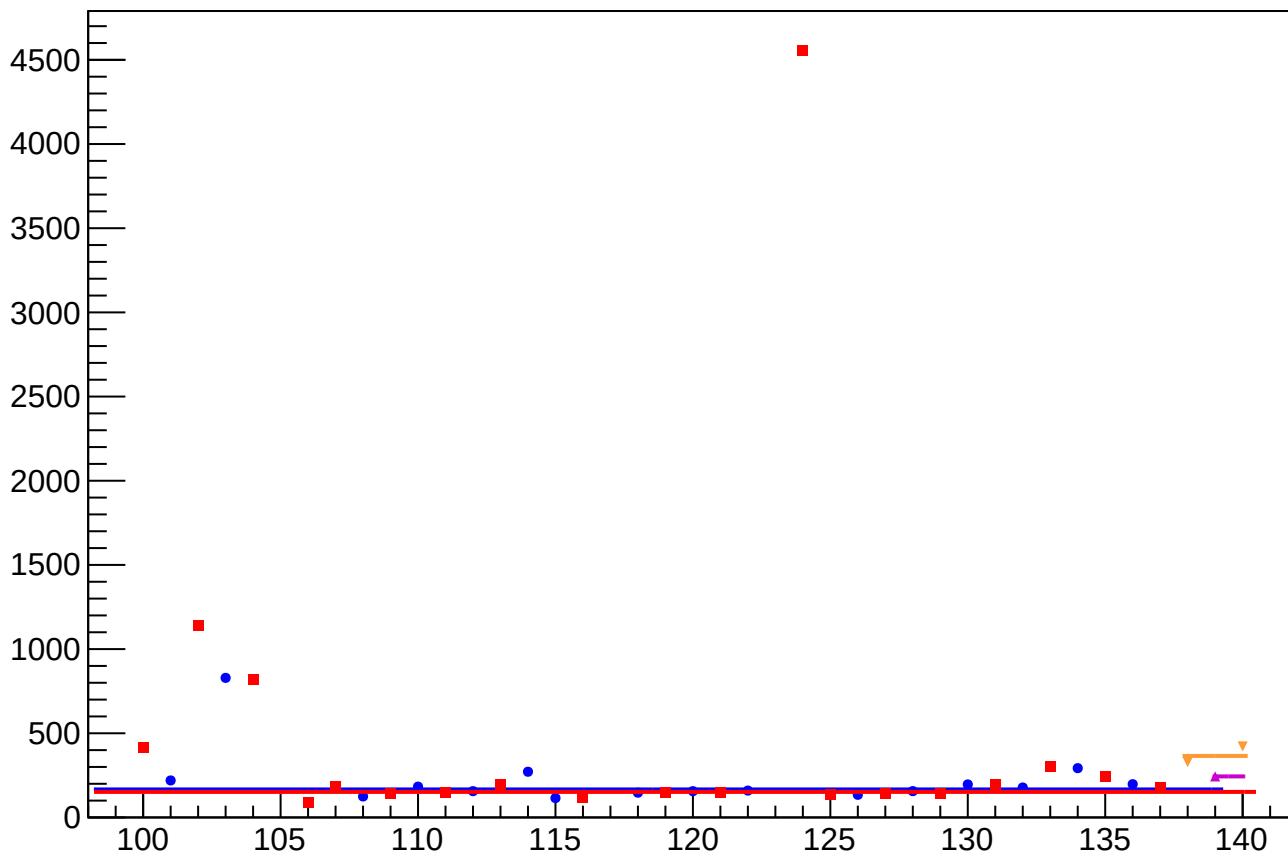
Left In: 0.579 ± 0.275 χ^2/NDF : 0.0/0

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.015 ± 0.045 χ^2/NDF : 49.1/37

- sign 0.002 ± 0.062 χ^2/NDF : 32.2/19

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 166.359+/-0.047 χ^2/NDF : 1282724.2/15

Left Out: 365.501+/-0.210 χ^2/NDF : 47200.8/1

Right Out: 151.790+/-0.045 χ^2/NDF : 2315641.8/18

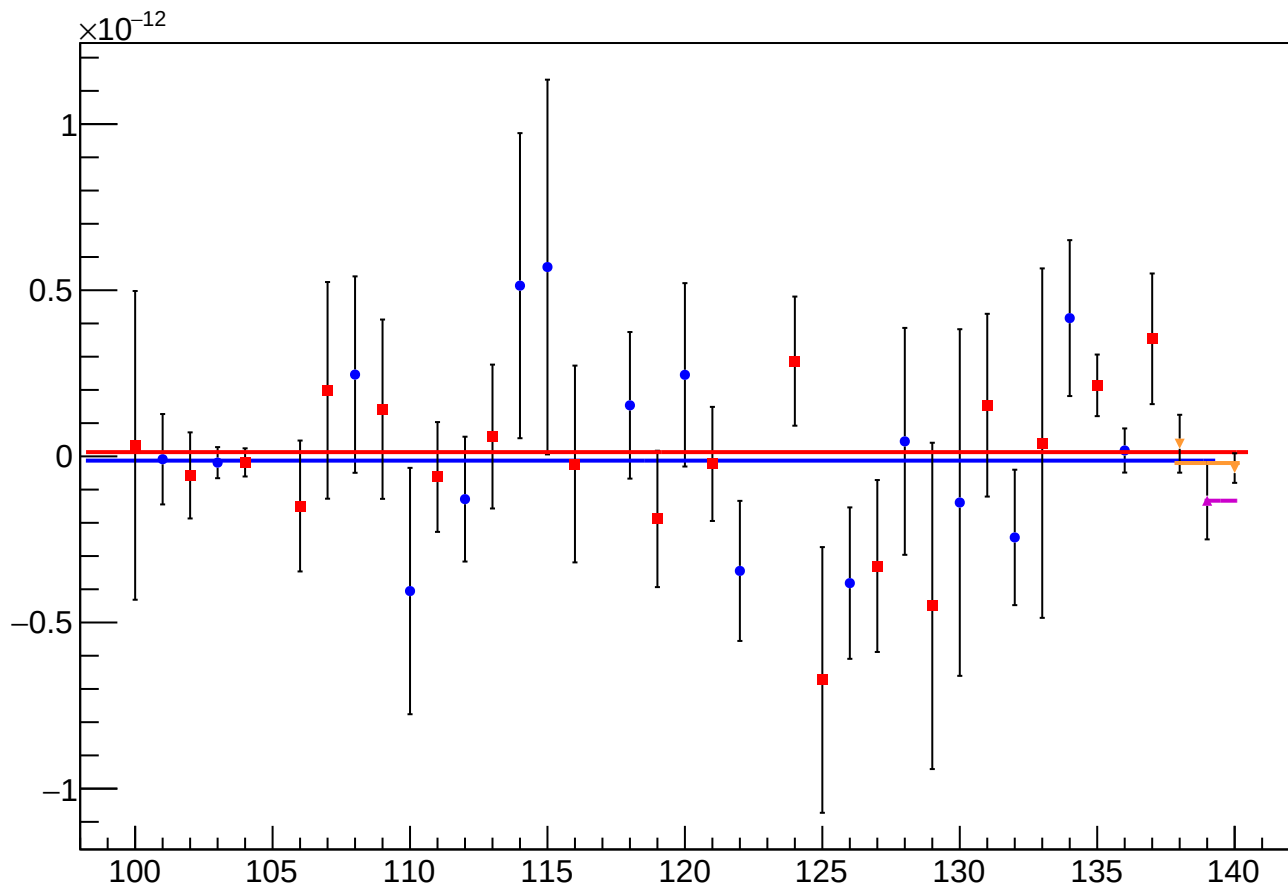
Left In: 243.806+/-0.195 χ^2/NDF : 0.0/0

+ sign 175.941+/-0.046 χ^2/NDF : 2187017.8/17

All: 165.810+/-0.032 χ^2/NDF : 4807696.6/37

- sign 156.515+/-0.044 χ^2/NDF : 2527807.0/19

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.1/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.6/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/18

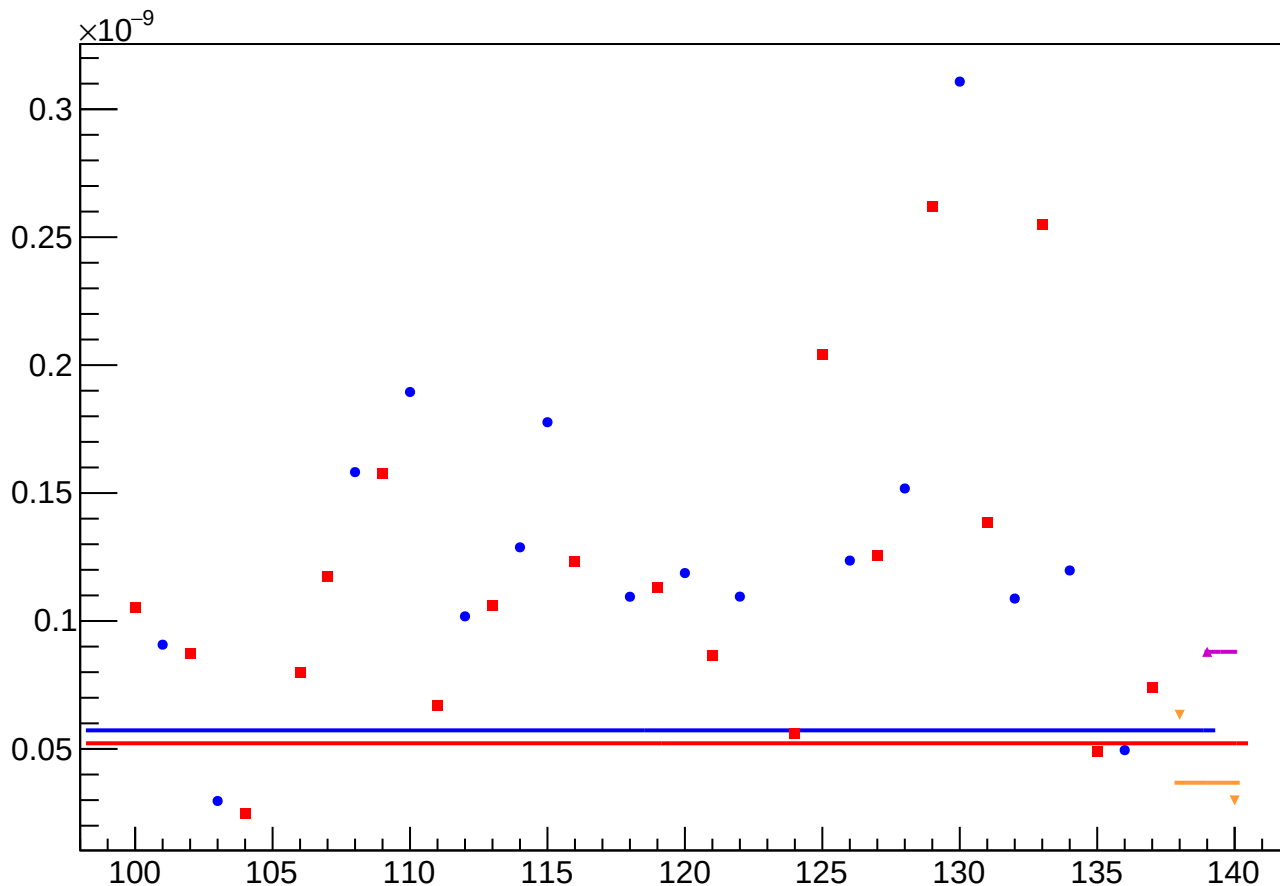
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 16.7/17

All: -0.000 ± 0.000 χ^2/NDF : 37.3/37

- sign 0.000 ± 0.000 χ^2/NDF : 20.3/19

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 233907.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3287828.4/18

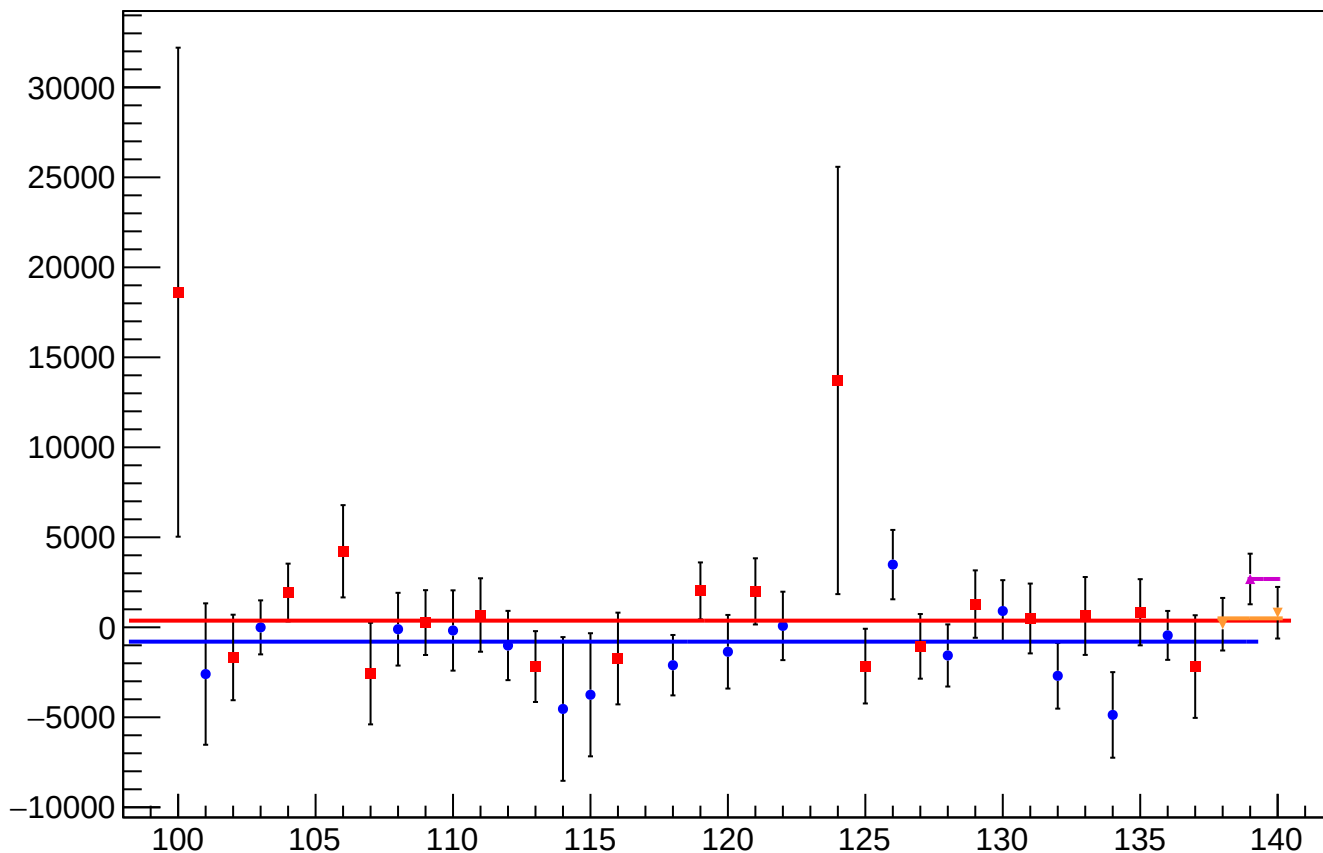
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3532101.1/17

All: 0.000+/-0.000 χ^2/NDF : 7037751.5/37

- sign 0.000+/-0.000 χ^2/NDF : 3463606.6/19

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285 ± 487.453 χ^2/NDF : 13.4/15

Left Out: 496.407 ± 1023.076 χ^2/NDF : 0.1/1

Right Out: 370.010 ± 485.826 χ^2/NDF : 15.6/18

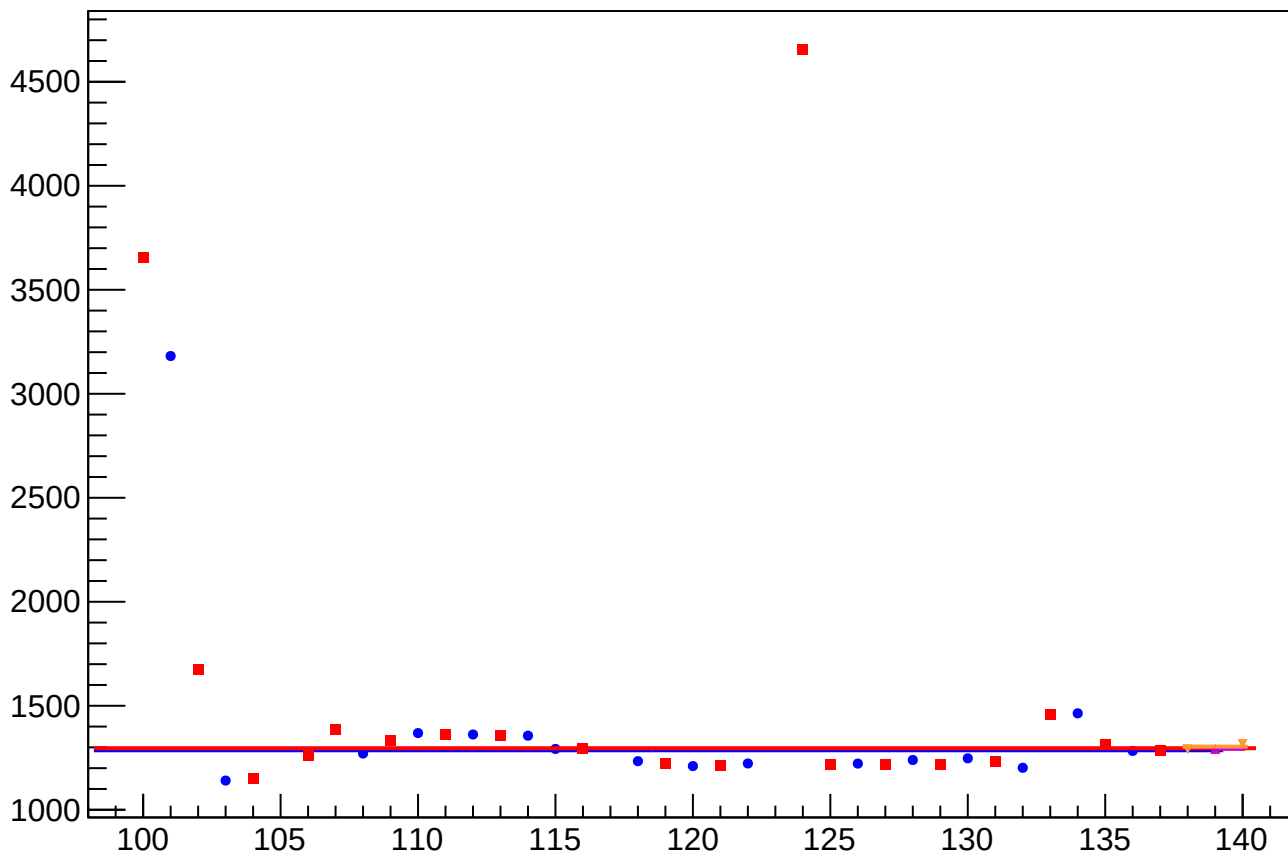
Left In: 2684.470 ± 1405.617 χ^2/NDF : 0.0/0

+ sign -557.936 ± 440.057 χ^2/NDF : 14.8/17

All: 4.564 ± 317.710 χ^2/NDF : 36.3/37

- sign 616.993 ± 459.172 χ^2/NDF : 18.0/19

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF : 328069.9/18

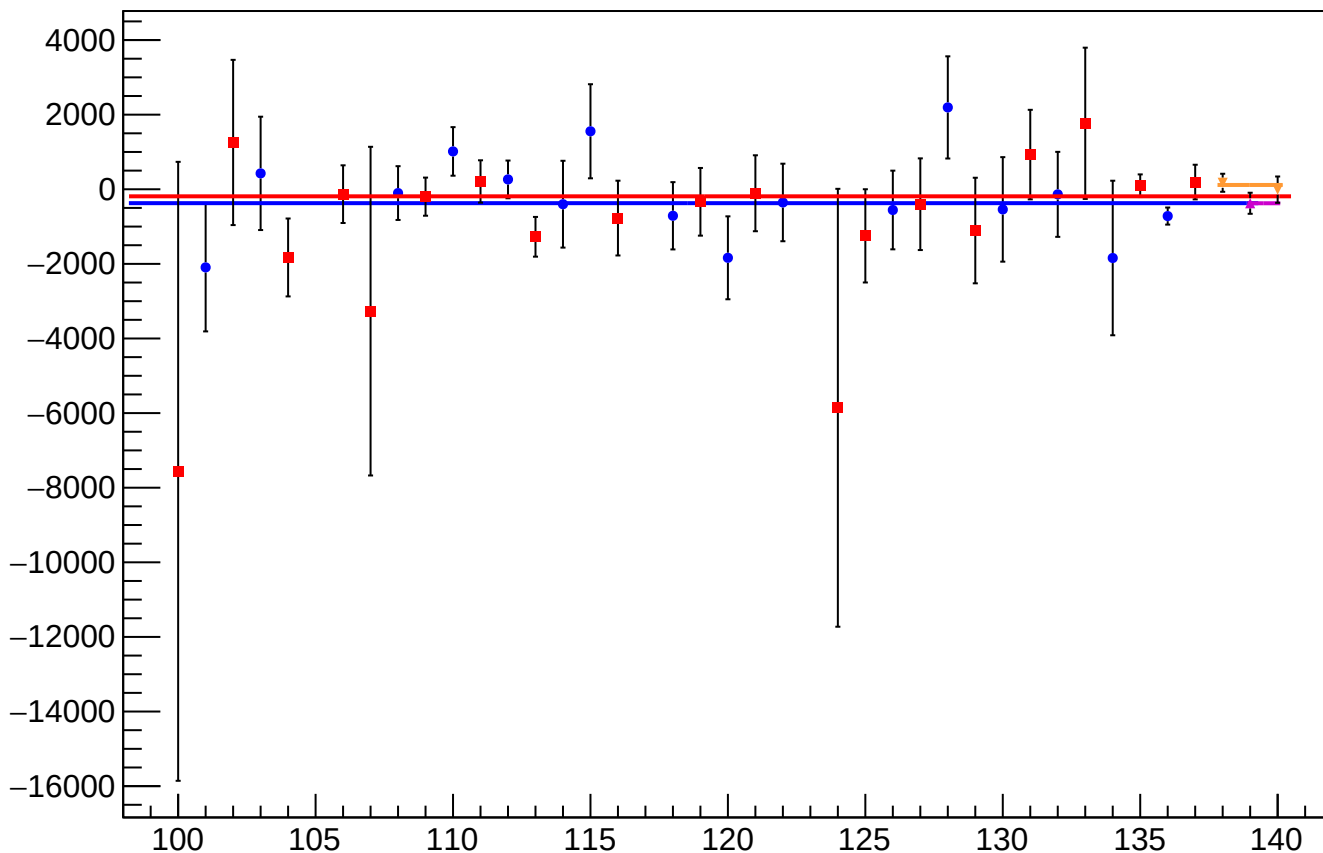
Left In: 1292.956+/-0.994 χ^2/NDF : 0.0/0

+ sign 1289.334+/-0.311 χ^2/NDF : 518920.9/17

All: 1292.346+/-0.225 χ^2/NDF : 847194.5/37

- sign 1295.624+/-0.325 χ^2/NDF : 328078.0/19

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -372.325+/-168.204 χ^2 /NDF: 18.2/15

Left Out: 115.367+/-199.294 χ^2 /NDF: 0.2/1

Right Out: -188.945+/-169.575 χ^2 /NDF: 14.6/18

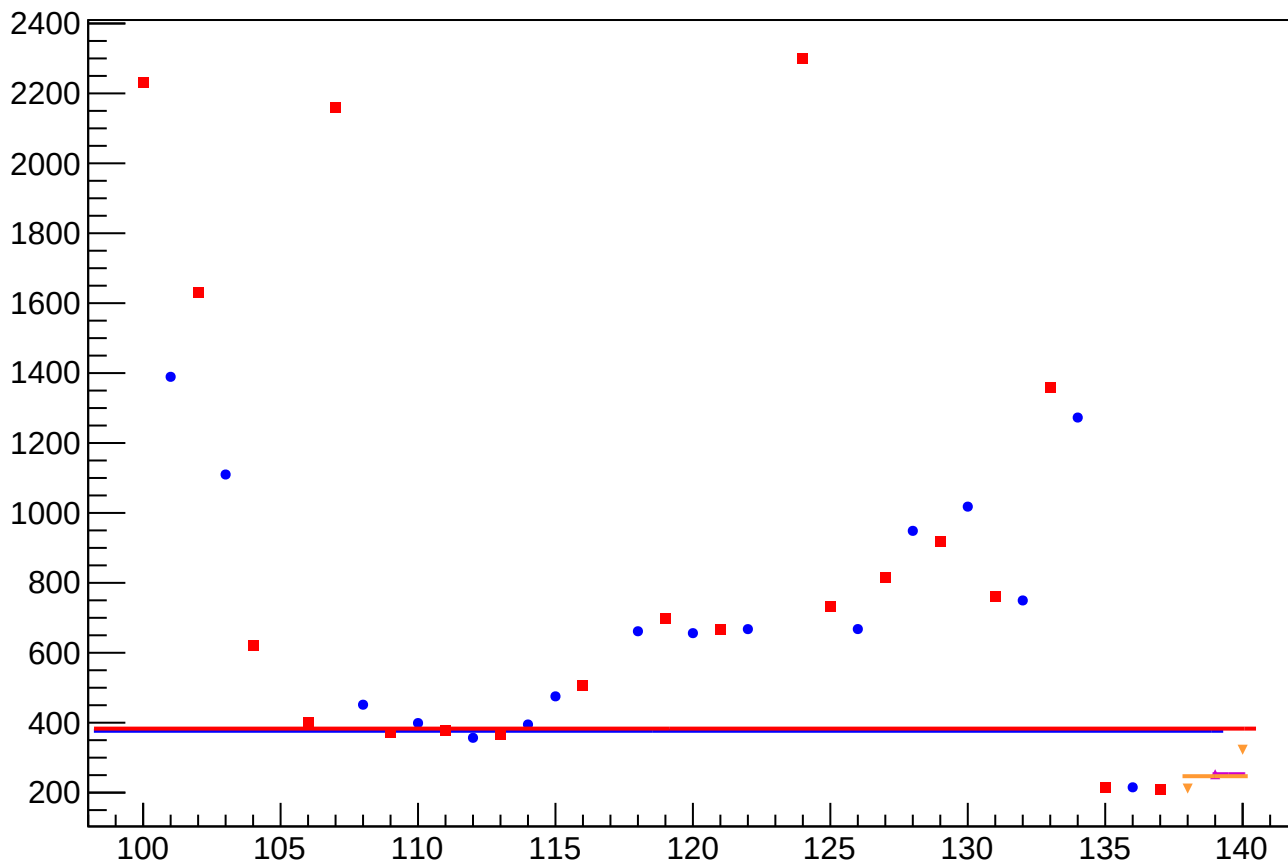
Left In: -375.159+/-282.187 χ^2 /NDF: 0.0/0

+ sign -169.444+/-128.541 χ^2 /NDF: 21.8/17

All: -199.684+/-96.289 χ^2 /NDF: 36.9/37

- sign -238.350+/-145.350 χ^2 /NDF: 15.0/19

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: 246.956+/-0.141 χ^2/NDF :135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

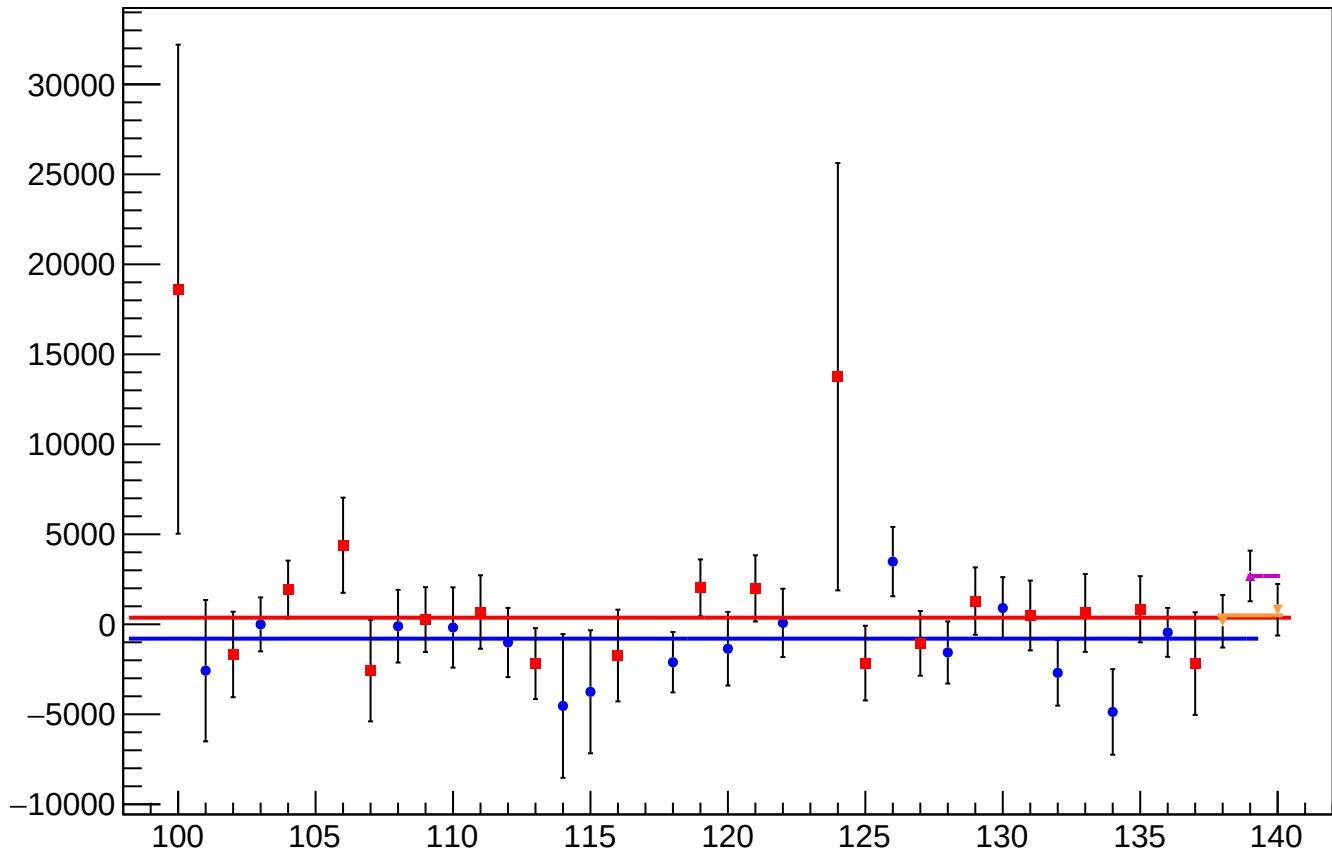
Left In: 252.663+/-0.200 χ^2/NDF :0.0/0

+ sign 322.839+/-0.091 χ^2/NDF : 4821719.5/17

All: 334.089+/-0.068 χ^2/NDF : 9224576.2/37

- sign 348.474+/-0.103 χ^2/NDF : 4367945.6/19

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883 ± 487.454 χ^2/NDF : 13.4/15

Left Out: 496.446 ± 1023.076 χ^2/NDF : 0.1/1

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

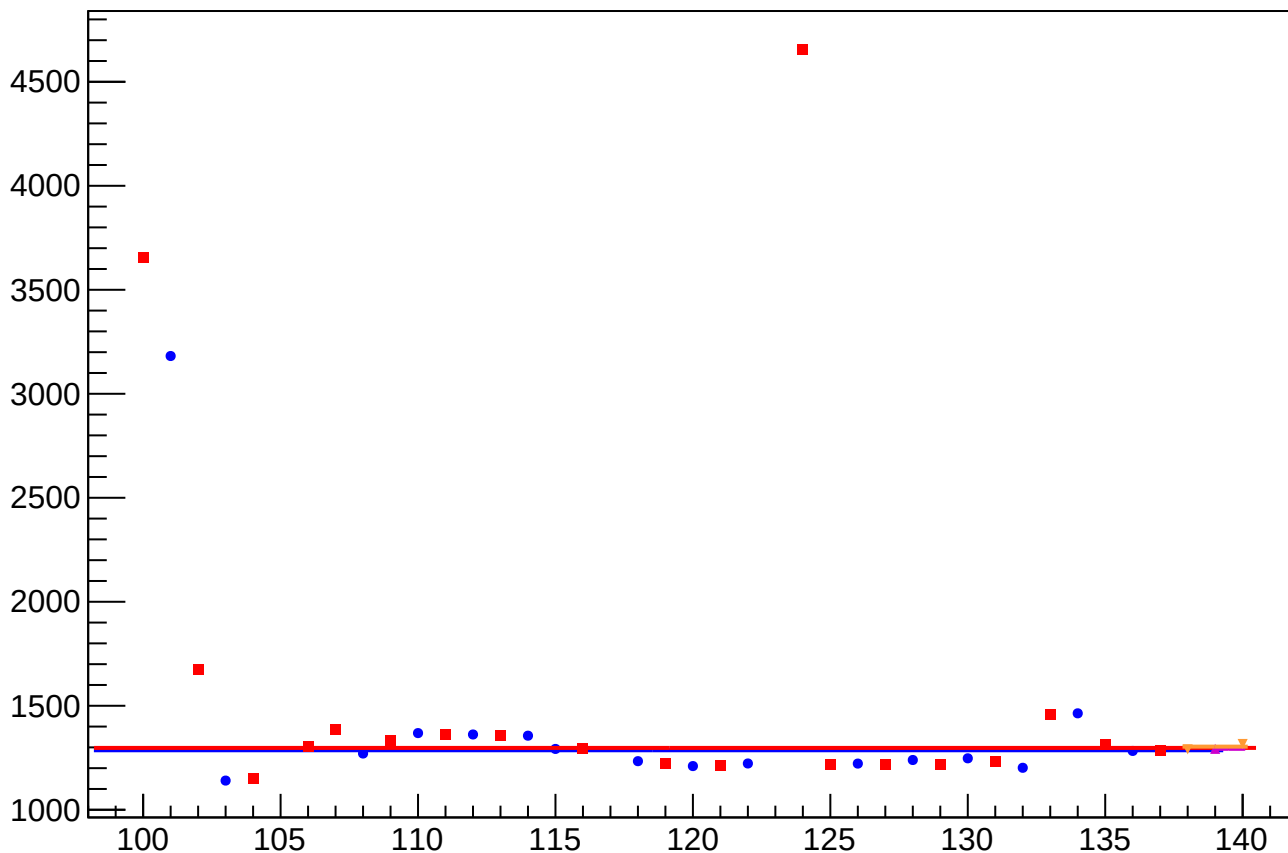
Left In: 2684.656 ± 1405.617 χ^2/NDF : 0.0/0

+ sign -557.601 ± 440.057 χ^2/NDF : 14.8/17

All: 3.329 ± 317.856 χ^2/NDF : 36.3/37

- sign 615.225 ± 459.614 χ^2/NDF : 18.1/19

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF : 327741.7/18

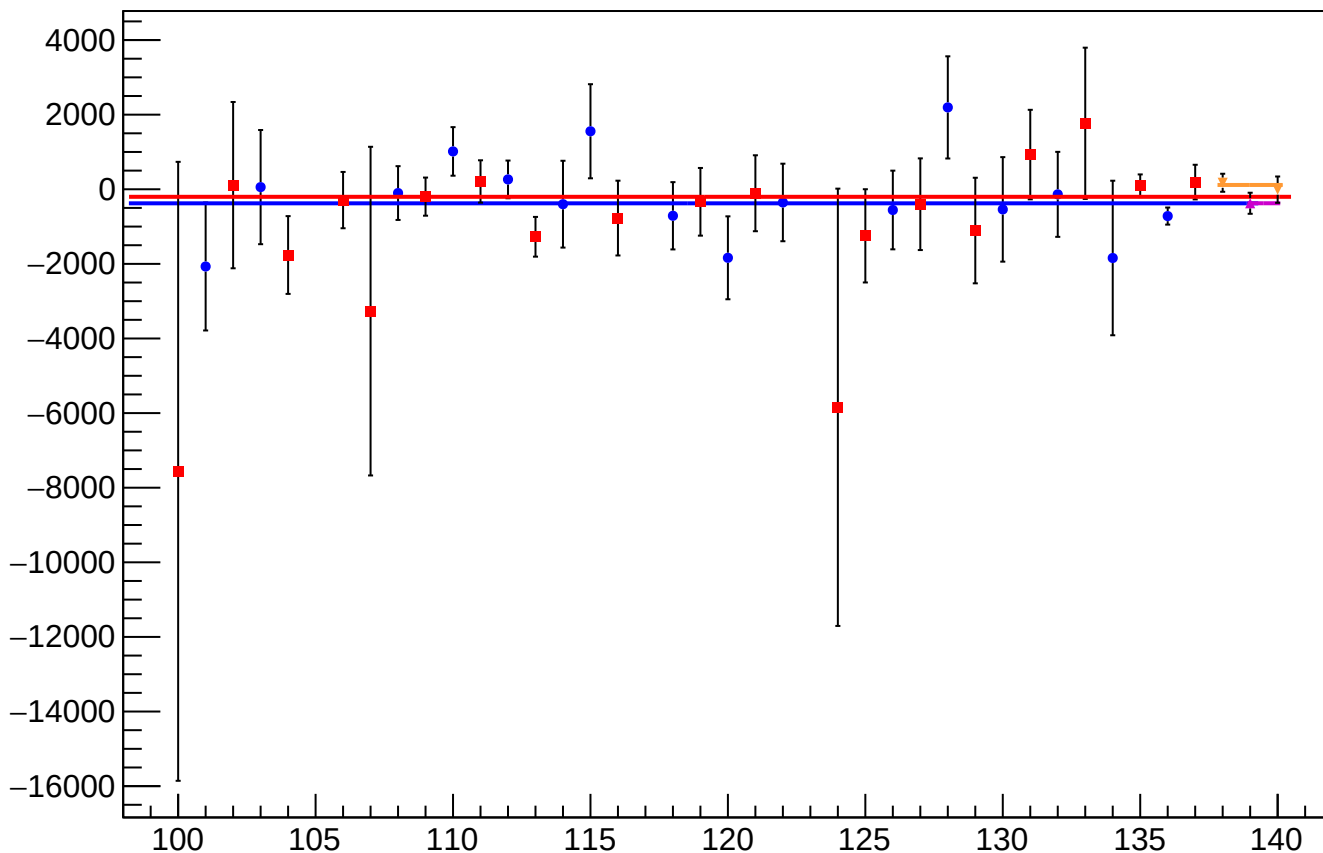
Left In: 1292.956+/-0.994 χ^2/NDF : 0.0/0

+ sign 1289.334+/-0.311 χ^2/NDF : 518922.3/17

All: 1292.962+/-0.225 χ^2/NDF : 846966.0/37

- sign 1296.919+/-0.325 χ^2/NDF : 327759.5/19

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -376.771 ± 168.223 χ^2/NDF : 17.9/15

Left Out: 115.438 ± 199.299 χ^2/NDF : 0.2/1

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

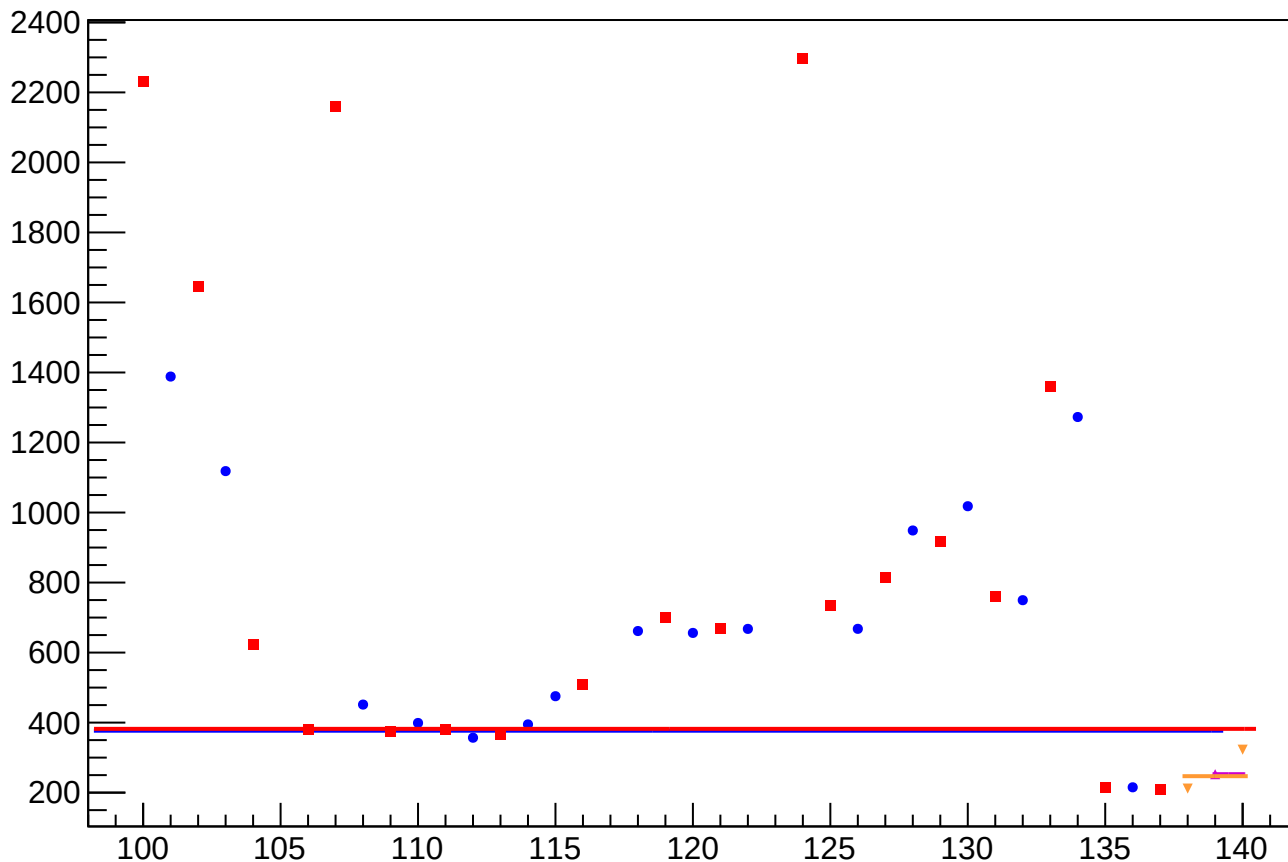
Left In: -375.081 ± 282.191 χ^2/NDF : 0.0/0

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -205.358 ± 96.257 χ^2/NDF : 36.2/37

- sign -247.946 ± 145.226 χ^2/NDF : 14.3/19

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF : 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF :135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

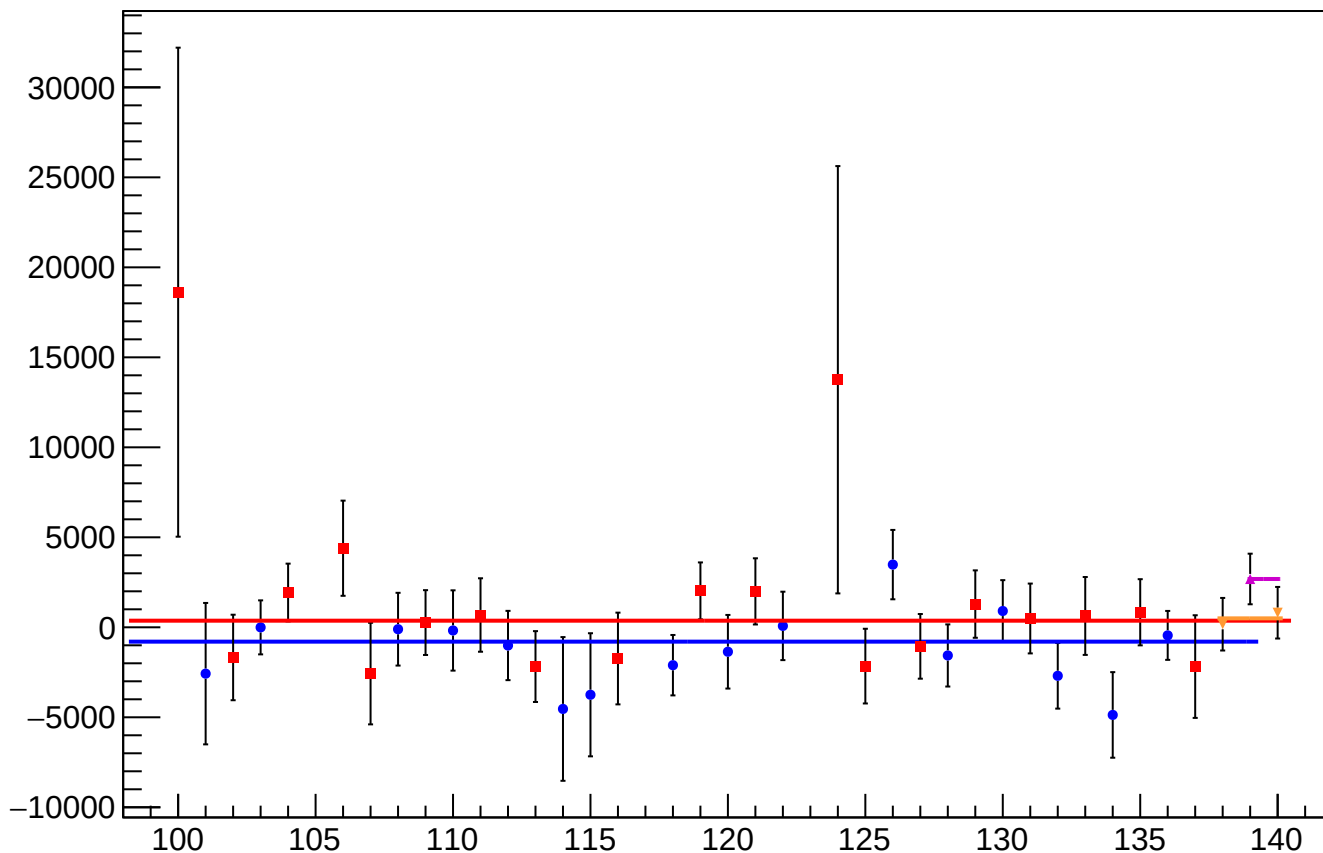
Left In: 252.667+/-0.200 χ^2/NDF :0.0/0

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 333.821+/-0.068 χ^2/NDF : 9227036.3/37

- sign 347.846+/-0.103 χ^2/NDF : 4369094.8/19

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883 ± 487.454 χ^2/NDF : 13.4/15

Left Out: 496.446 ± 1023.076 χ^2/NDF : 0.1/1

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

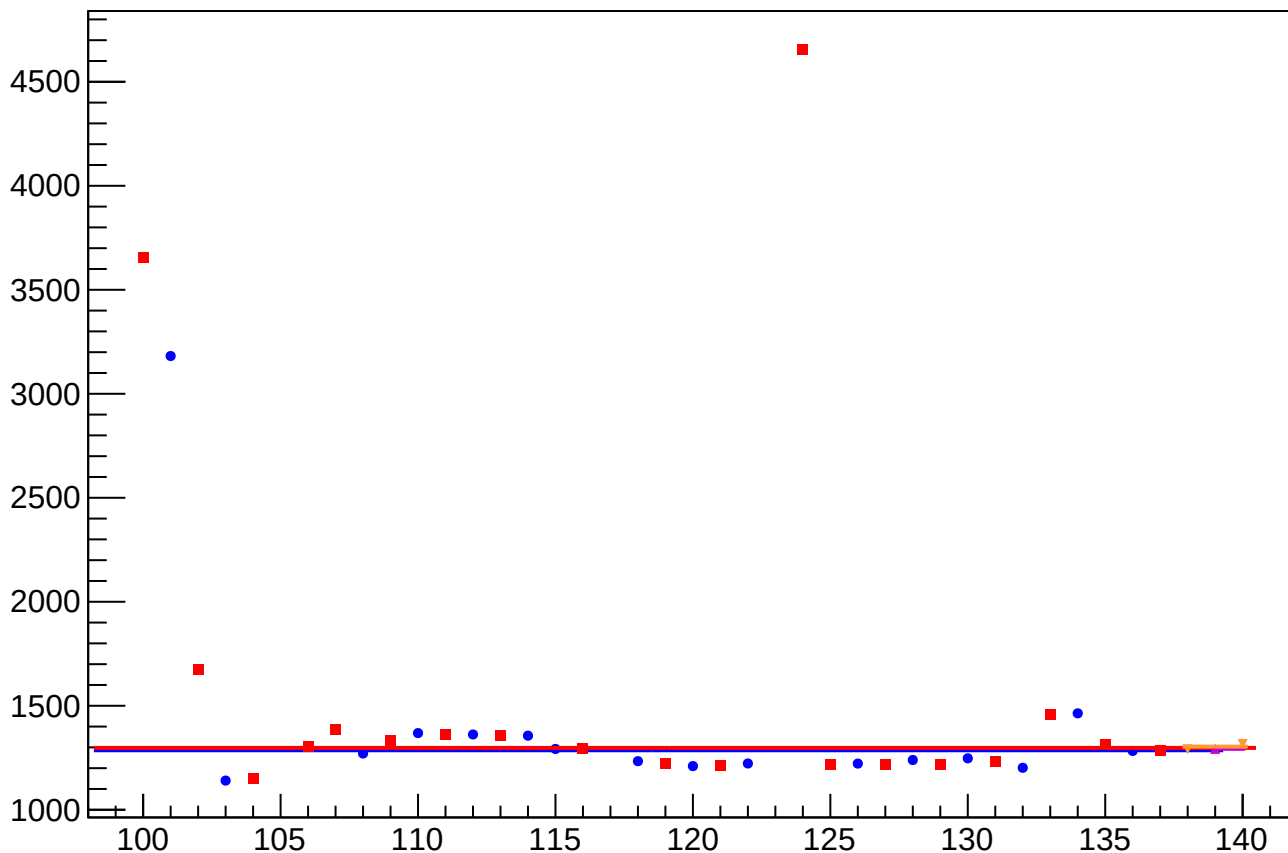
Left In: 2684.656 ± 1405.617 χ^2/NDF : 0.0/0

+ sign -557.601 ± 440.057 χ^2/NDF : 14.8/17

All: 3.329 ± 317.856 χ^2/NDF : 36.3/37

- sign 615.225 ± 459.614 χ^2/NDF : 18.1/19

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: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF : 327741.7/18

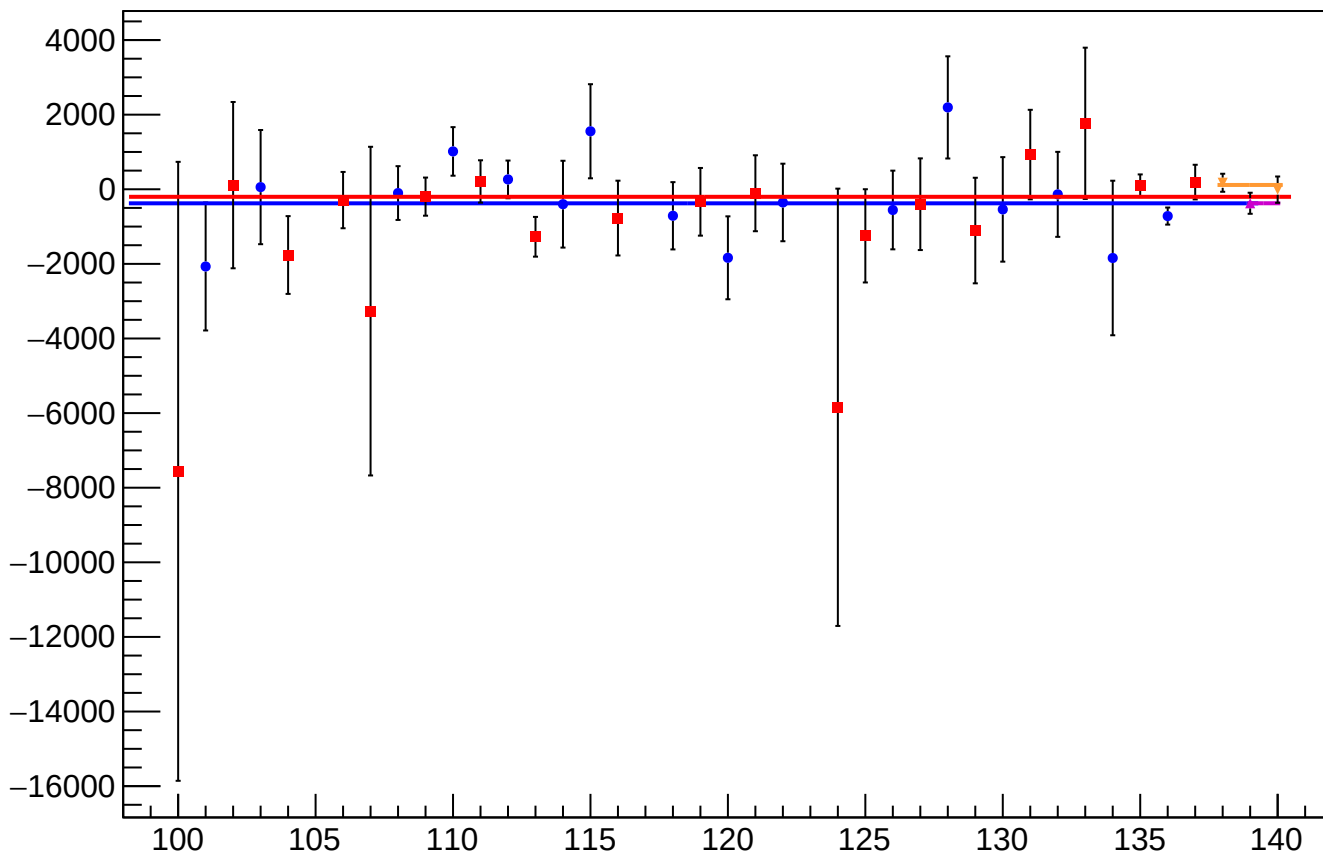
Left In: 1292.956+/-0.994 χ^2/NDF : 0.0/0

+ sign 1289.334+/-0.311 χ^2/NDF : 518922.3/17

All: 1292.962+/-0.225 χ^2/NDF : 846966.0/37

- sign 1296.919+/-0.325 χ^2/NDF : 327759.5/19

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -376.771 ± 168.223 χ^2/NDF : 17.9/15

Left Out: 115.438 ± 199.299 χ^2/NDF : 0.2/1

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

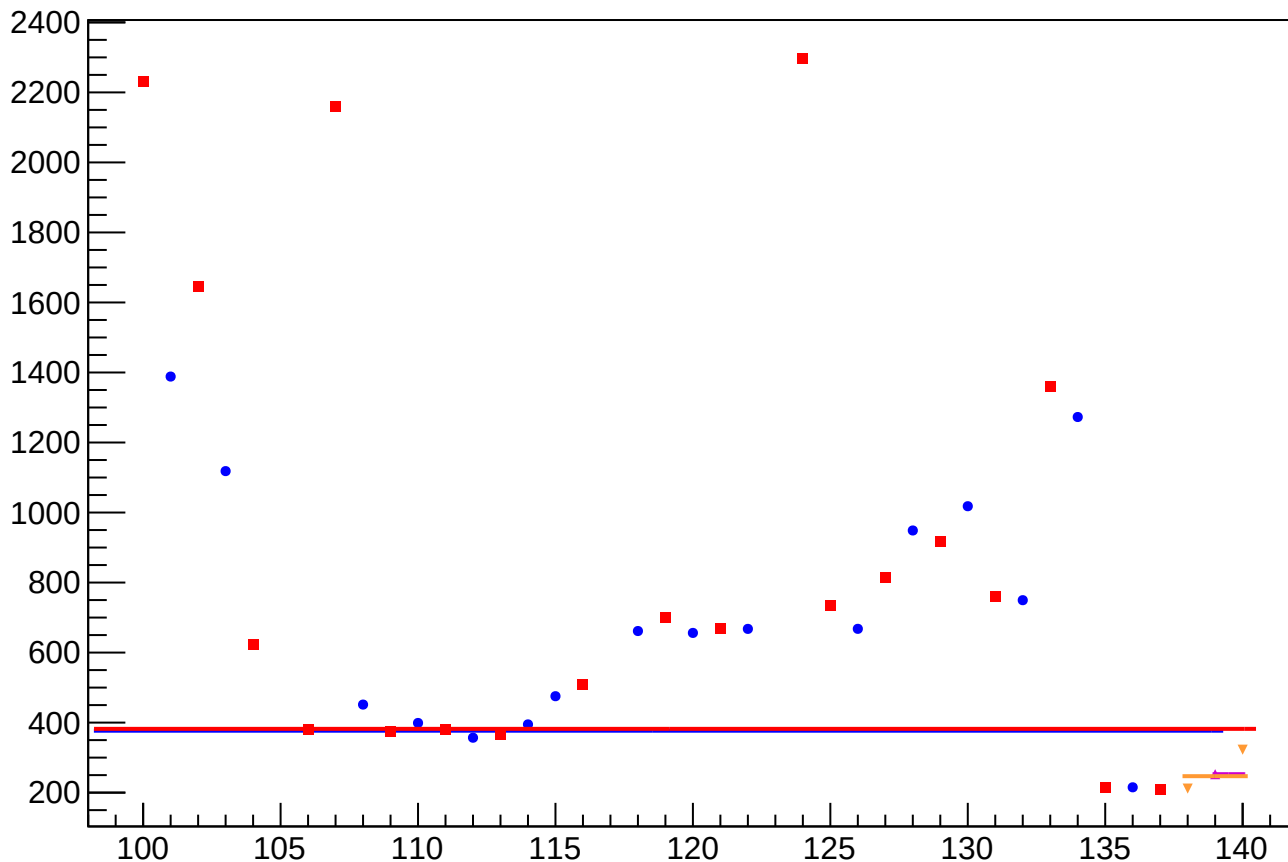
Left In: -375.081 ± 282.191 χ^2/NDF : 0.0/0

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -205.358 ± 96.257 χ^2/NDF : 36.2/37

- sign -247.946 ± 145.226 χ^2/NDF : 14.3/19

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF : 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF :135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

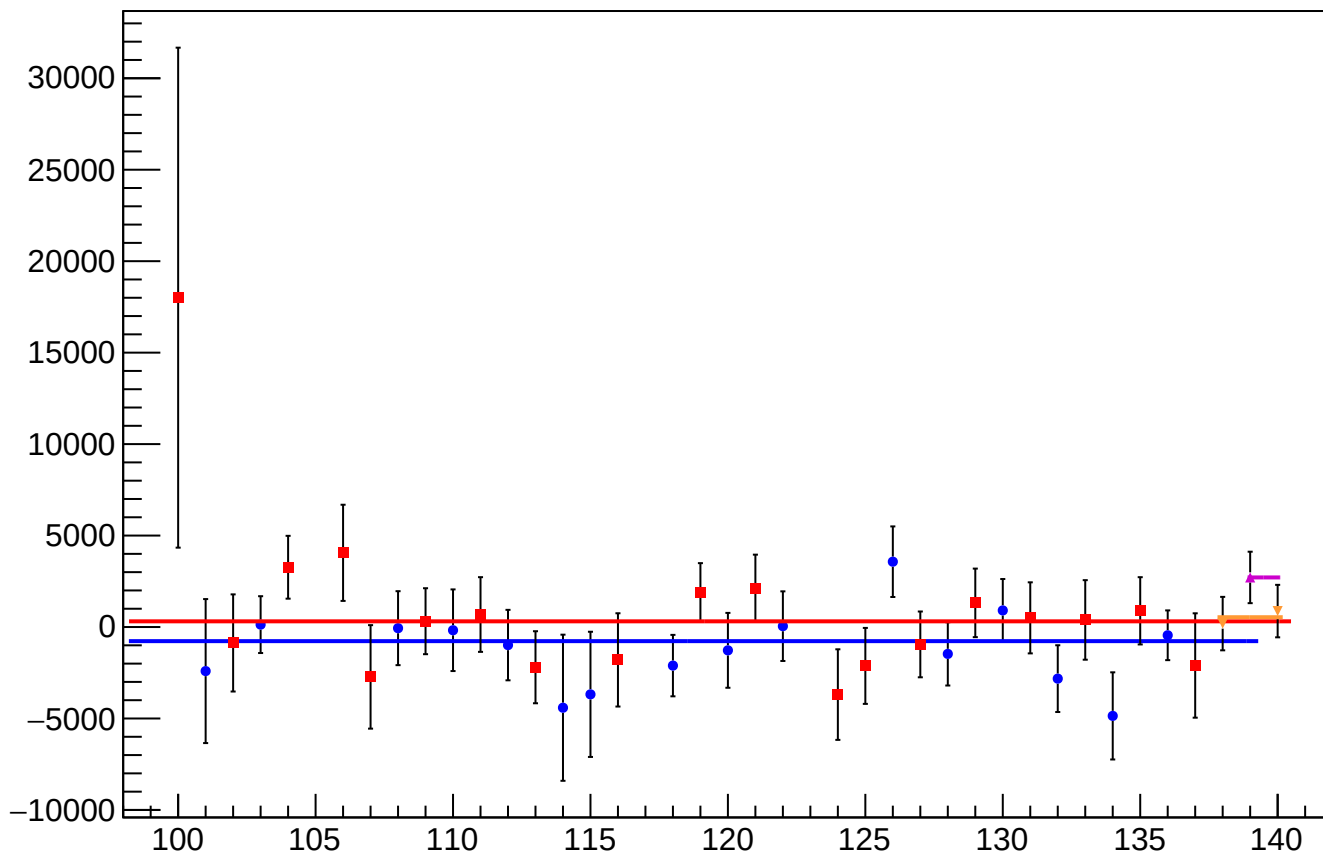
Left In: 252.667+/-0.200 χ^2/NDF :0.0/0

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 333.821+/-0.068 χ^2/NDF : 9227036.3/37

- sign 347.846+/-0.103 χ^2/NDF : 4369094.8/19

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499 ± 489.602 χ^2/NDF : 13.6/15

Left Out: 535.661 ± 1023.631 χ^2/NDF : 0.1/1

Right Out: 311.418 ± 482.642 χ^2/NDF : 17.9/18

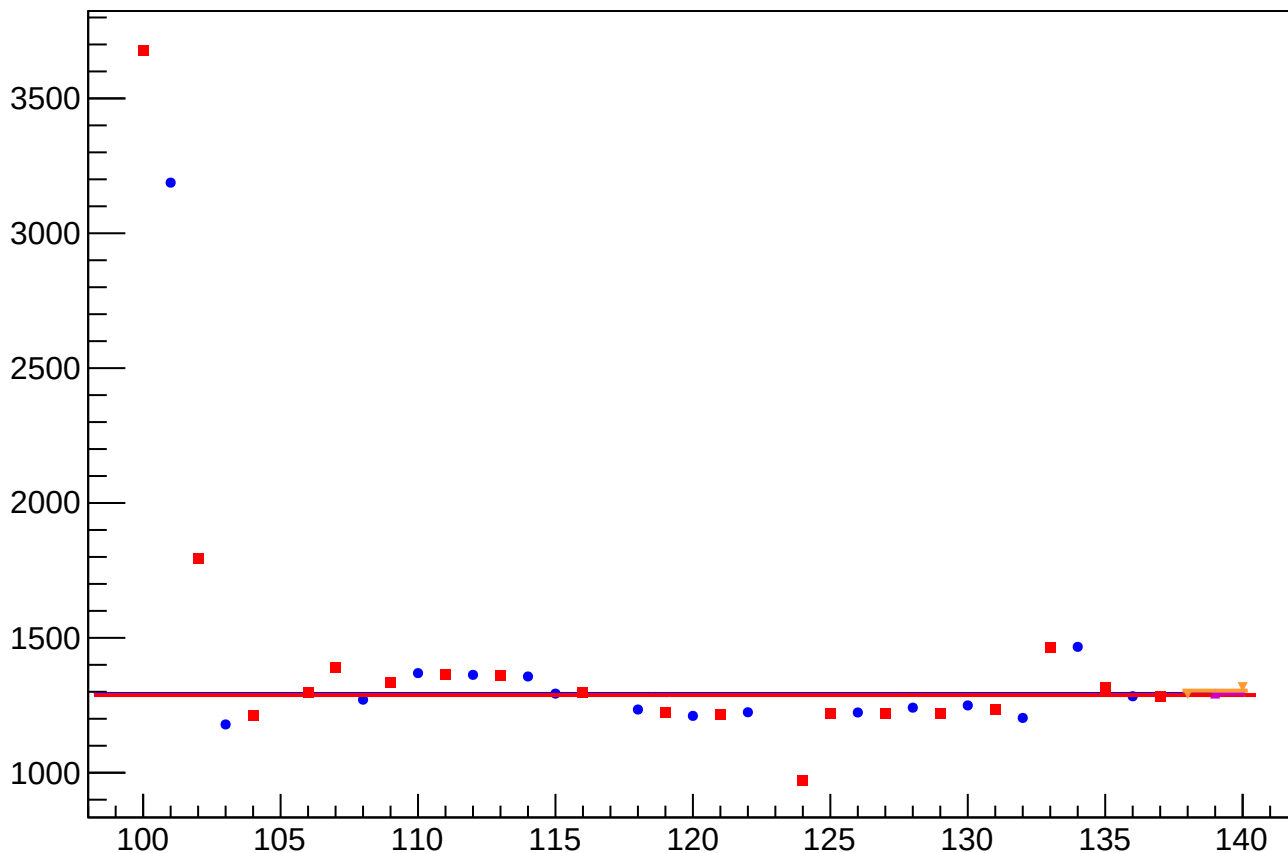
Left In: 2710.933 ± 1406.468 χ^2/NDF : 0.0/0

+ sign -528.134 ± 441.680 χ^2/NDF : 15.0/17

All: 0.007 ± 317.429 χ^2/NDF : 38.5/37

- sign 564.212 ± 456.511 χ^2/NDF : 20.5/19

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.3/15

Left Out: 1304.299 $\pm$ 0.724 χ^2 /NDF:331.7/1

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

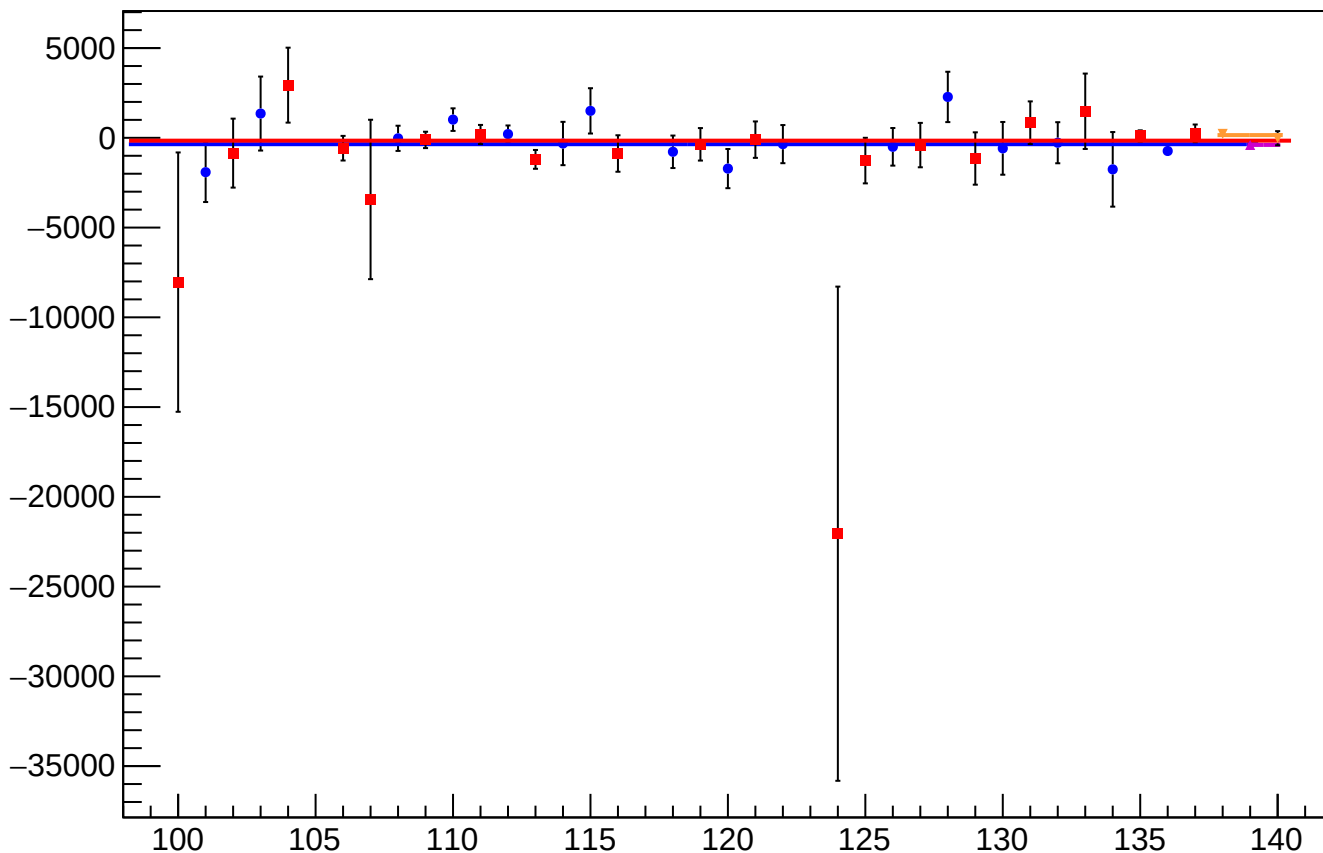
Left In: 1293.708 $\pm$ 0.995 χ^2 /NDF:0.0/0

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1291.550 $\pm$ 0.224 χ^2 /NDF: 719372.6/37

- sign 1288.591 $\pm$ 0.323 χ^2 /NDF: 209238.4/19

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -355.226+/-169.971 χ^2 /NDF: 18.4/15

Left Out: 151.762+/-207.157 χ^2 /NDF: 0.3/1

Right Out: -157.924+/-169.665 χ^2 /NDF: 15.8/18

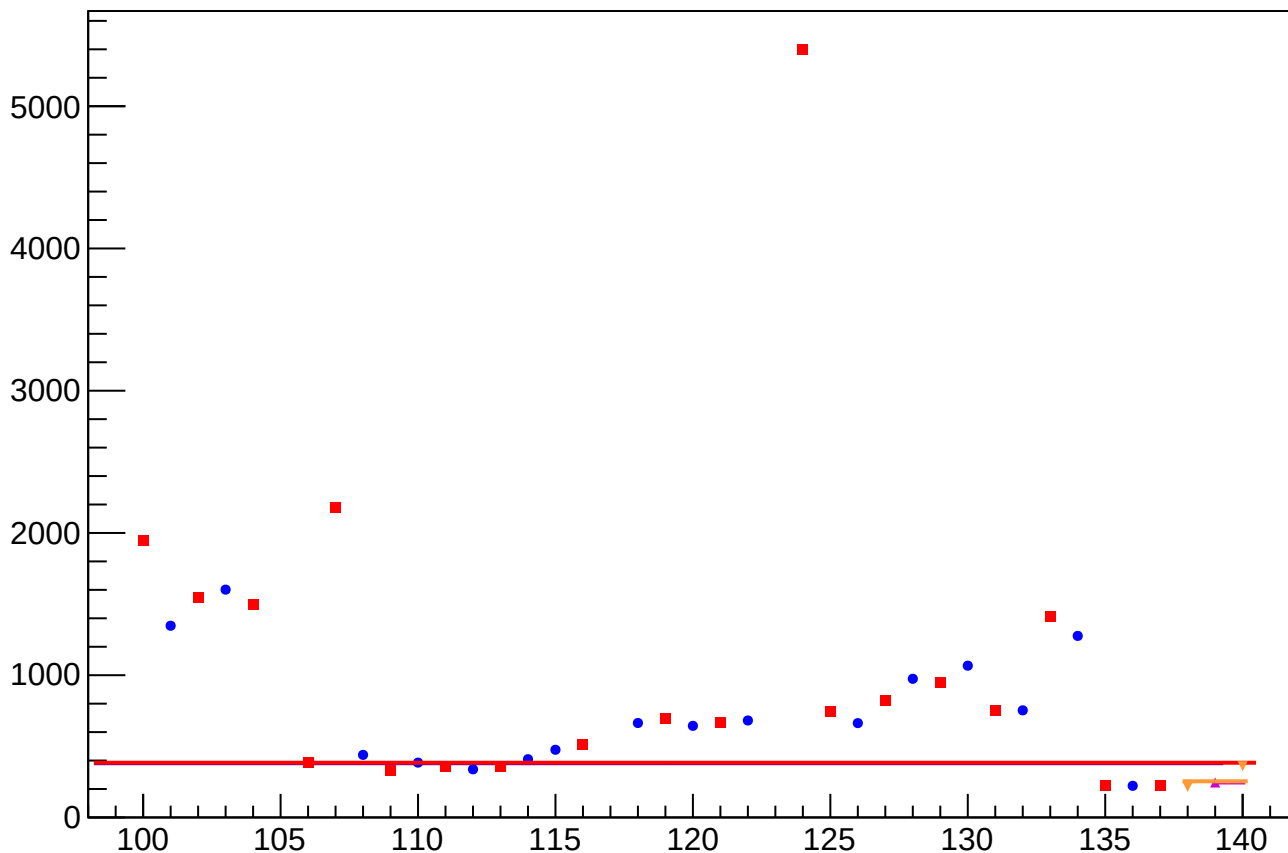
Left In: -395.117+/-276.910 χ^2 /NDF: 0.0/0

+ sign -151.241+/-131.401 χ^2 /NDF: 22.3/17

All: -183.528+/-97.268 χ^2 /NDF: 38.8/37

- sign -222.664+/-144.669 χ^2 /NDF: 16.4/19

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF : 4317922.6/15

Left Out: 254.208+/-0.146 χ^2/NDF : 200321.8/1

Right Out: 384.651+/-0.120 χ^2/NDF : 4560208.6/18

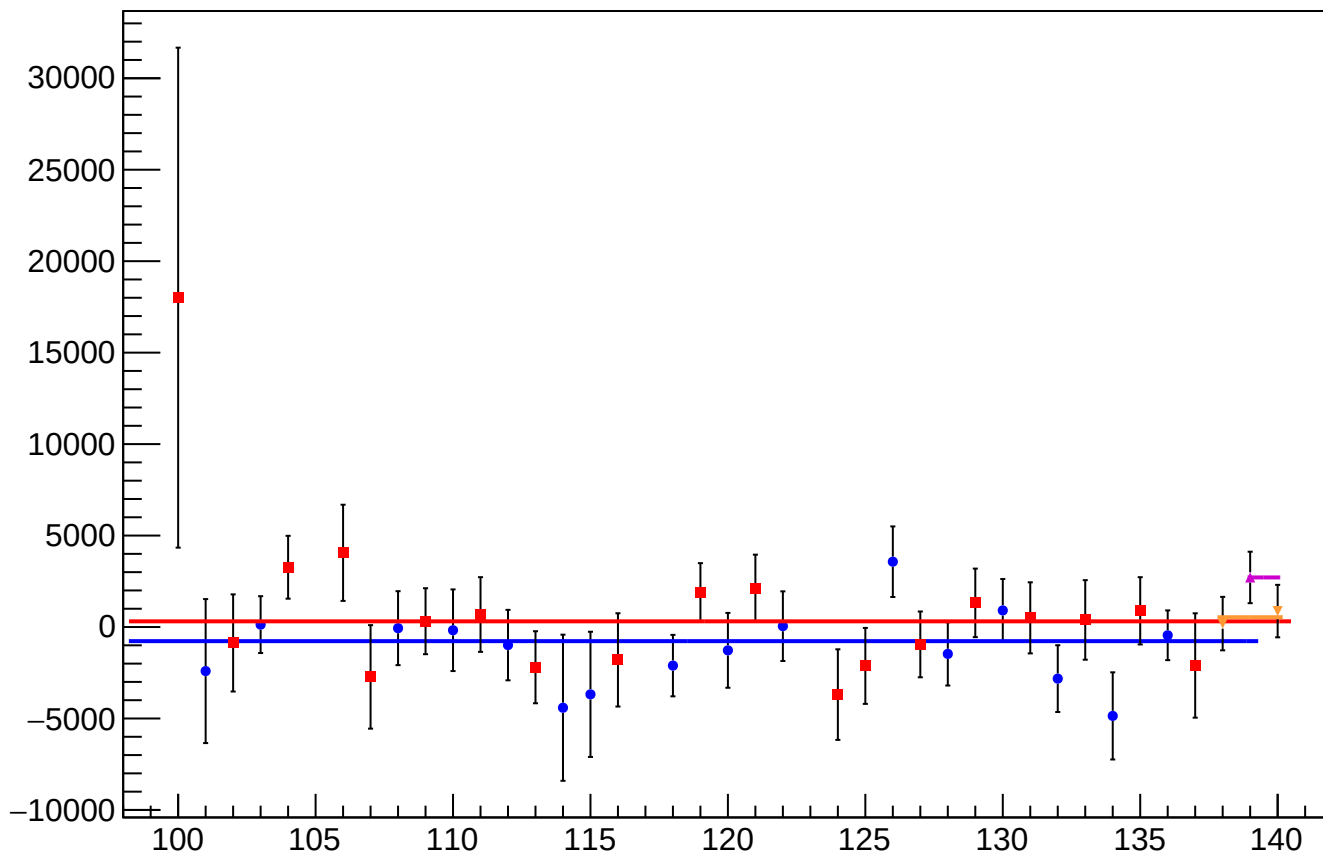
Left In: 245.944+/-0.196 χ^2/NDF : 0.0/0

+ sign 330.194+/-0.093 χ^2/NDF : 4968493.4/17

All: 337.697+/-0.069 χ^2/NDF : 9907975.4/37

- sign 346.792+/-0.102 χ^2/NDF : 4925058.0/19

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: 535.669+/-1023.631 χ^2/NDF : 0.1/1

Right Out: 311.419+/-482.642 χ^2/NDF : 17.9/18

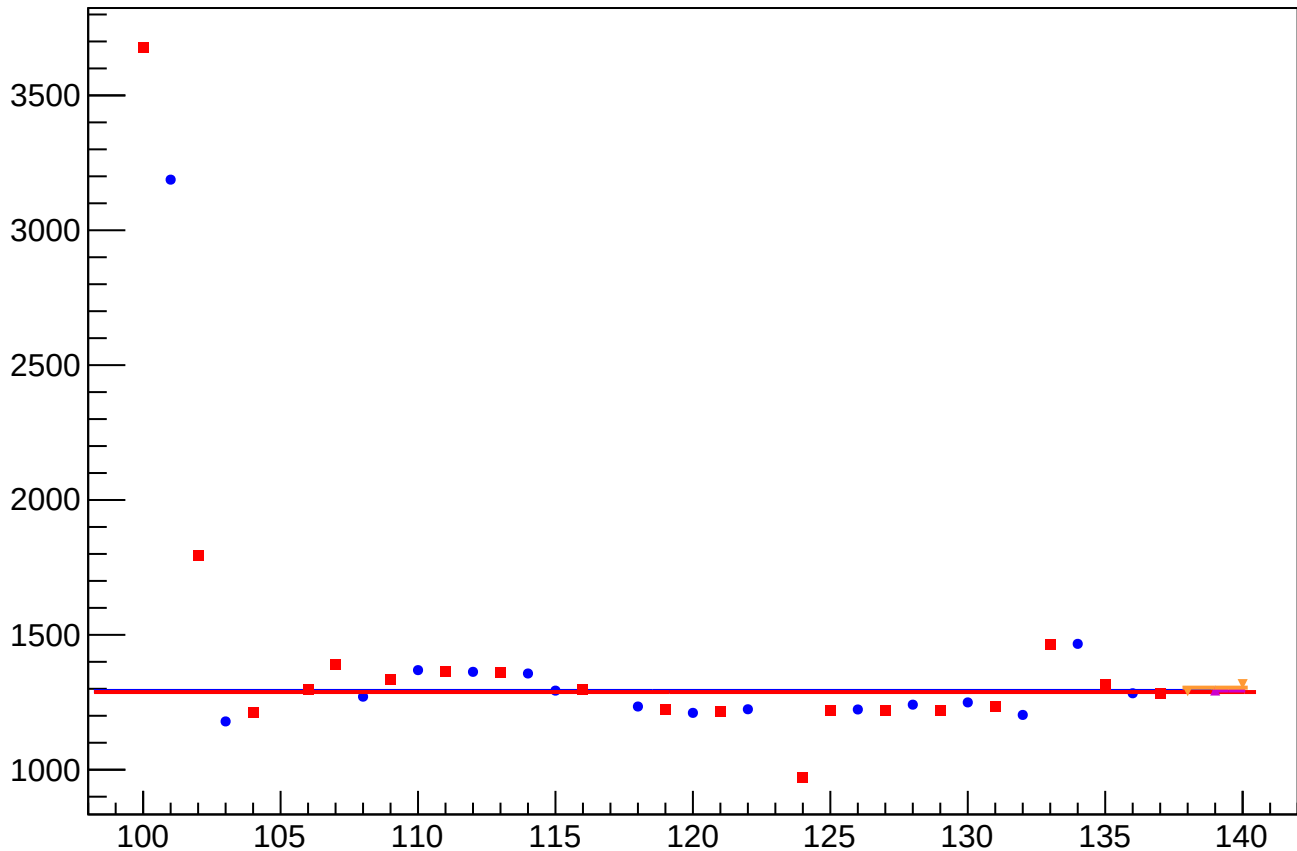
Left In: 2710.913+/-1406.468 χ^2/NDF : 0.0/0

+ sign -528.134+/-441.680 χ^2/NDF : 15.0/17

All: 0.007+/-317.429 χ^2/NDF : 38.5/37

- sign 564.211+/-456.511 χ^2/NDF : 20.5/19

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.2/15

Left Out: 1304.299 $\pm$ 0.724 χ^2 /NDF: 331.7/1

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

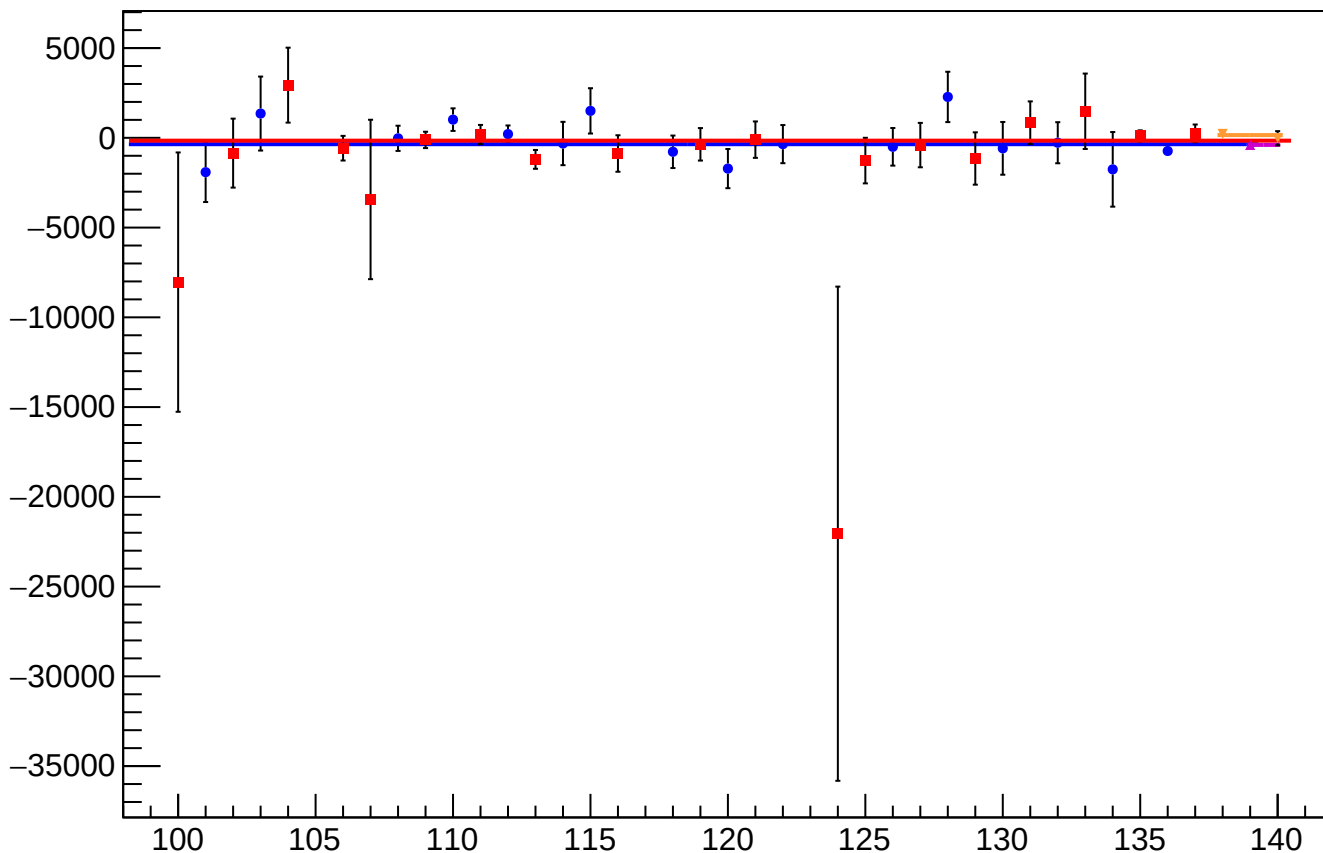
Left In: 1293.708 $\pm$ 0.995 χ^2 /NDF: 0.0/0

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1291.550 $\pm$ 0.224 χ^2 /NDF: 719372.8/37

- sign 1288.591 $\pm$ 0.323 χ^2 /NDF: 209238.7/19

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -355.226 ± 169.973 χ^2/NDF : 18.4/15

Left Out: 151.769 ± 207.167 χ^2/NDF : 0.3/1

Right Out: -157.929 ± 169.667 χ^2/NDF : 15.8/18

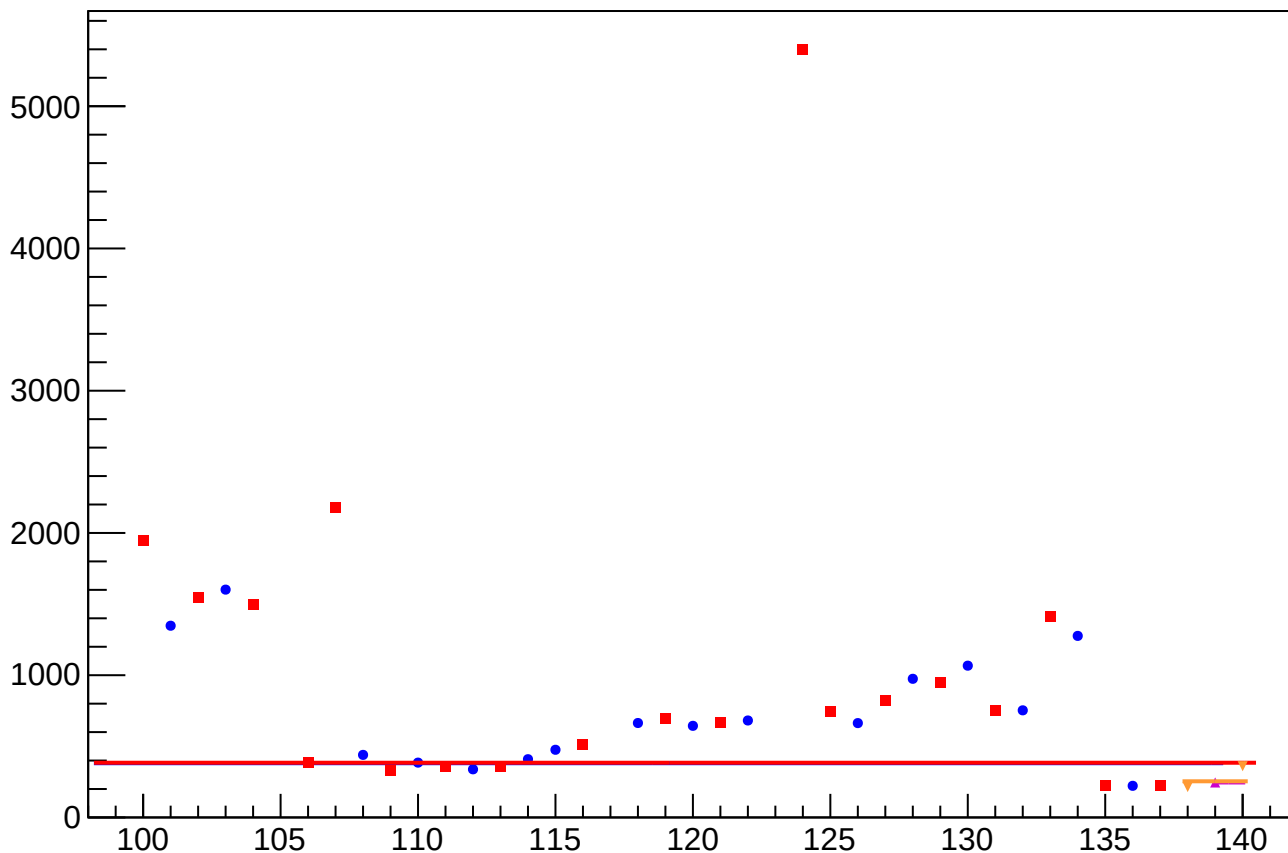
Left In: -395.143 ± 276.926 χ^2/NDF : 0.0/0

+ sign -151.246 ± 131.405 χ^2/NDF : 22.3/17

All: -183.534 ± 97.270 χ^2/NDF : 38.8/37

- sign -222.671 ± 144.673 χ^2/NDF : 16.4/19

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 381.359+/-0.120 χ^2/NDF : 4317737.3/15

Left Out: 254.222+/-0.146 χ^2/NDF : 200287.0/1

Right Out: 384.658+/-0.120 χ^2/NDF : 4560068.3/18

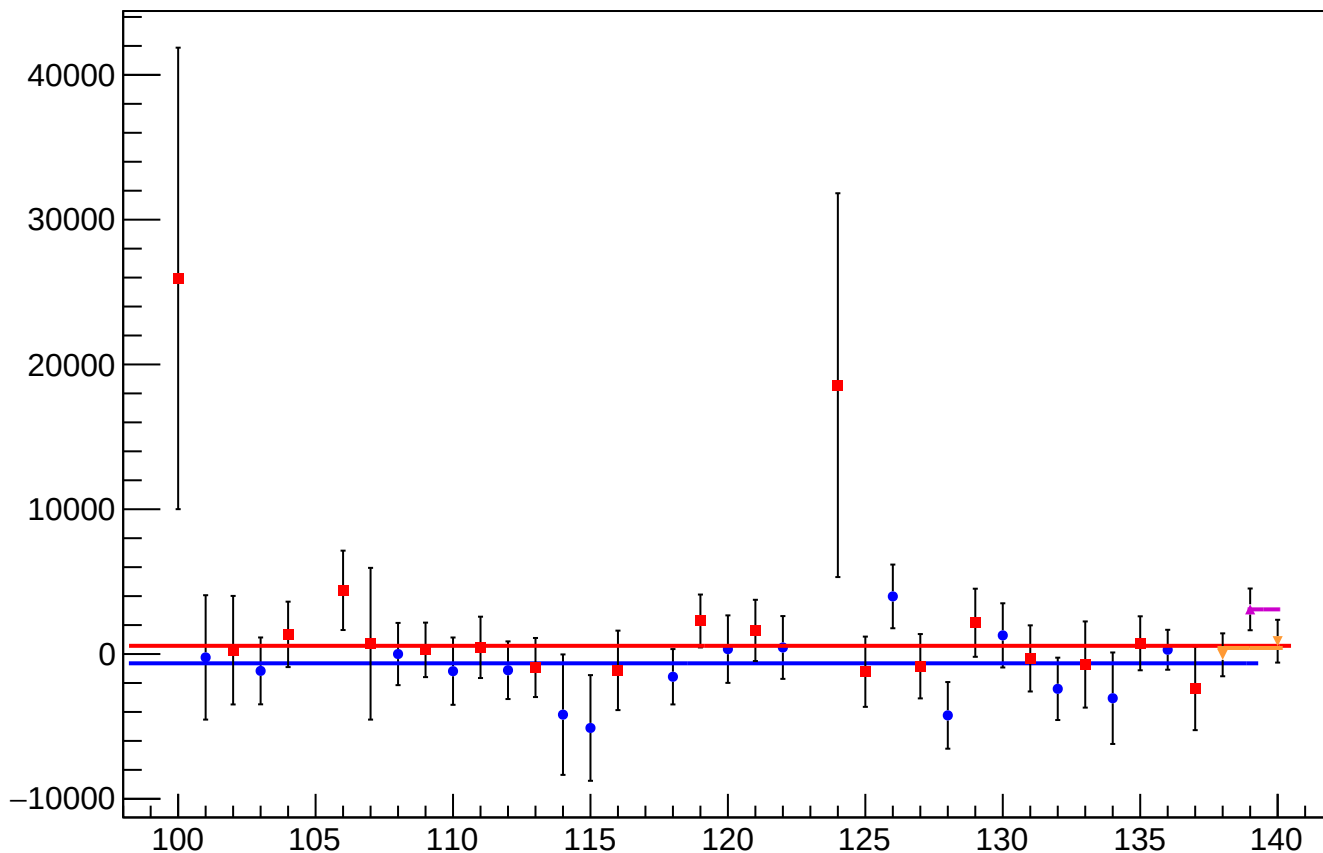
Left In: 245.960+/-0.196 χ^2/NDF : 0.0/0

+ sign 330.208+/-0.093 χ^2/NDF : 4968216.2/17

All: 337.710+/-0.069 χ^2/NDF : 9907480.4/37

- sign 346.804+/-0.102 χ^2/NDF : 4924842.5/19

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF : 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF : 0.2/1

Right Out: 567.254+/-566.774 χ^2/NDF : 11.3/18

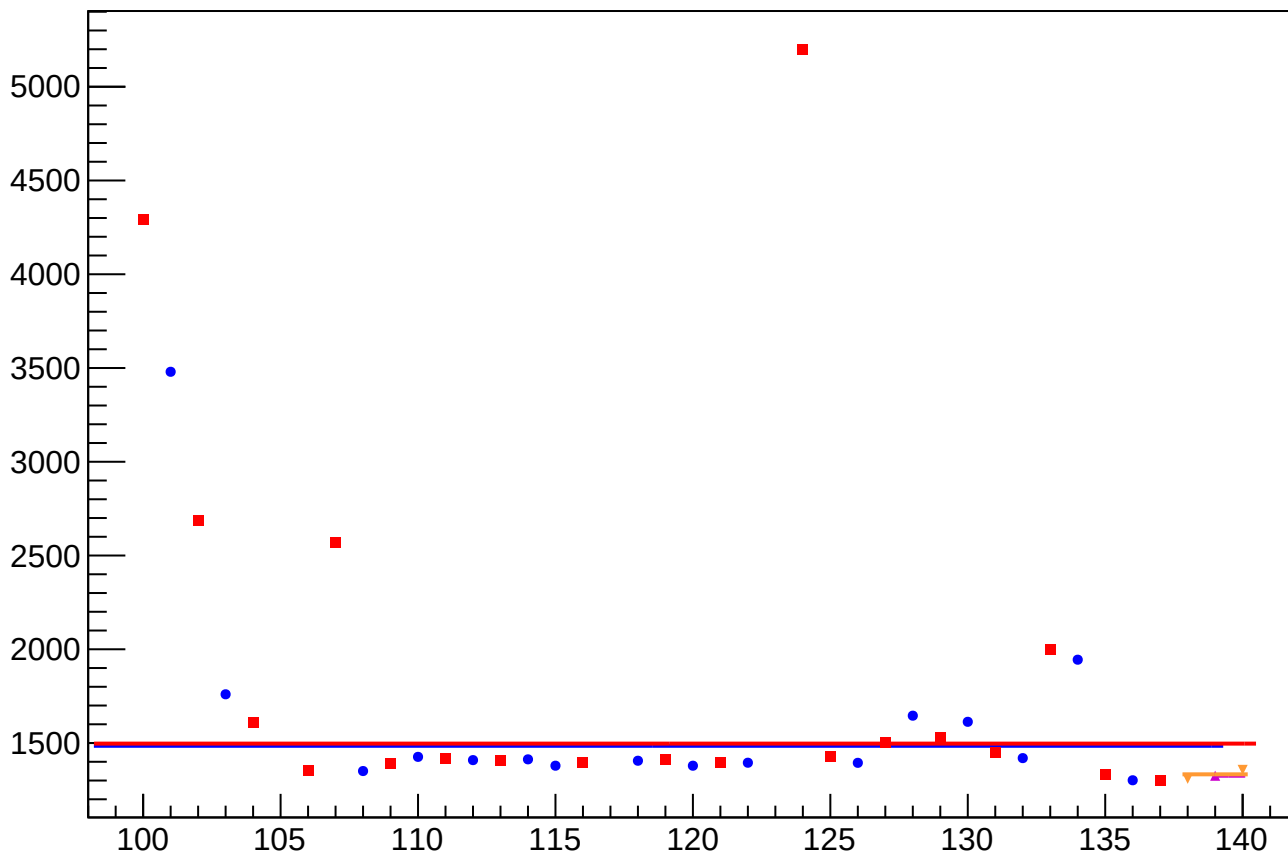
Left In: 3084.290+/-1441.372 χ^2/NDF : 0.0/0

+ sign -402.275+/-496.718 χ^2/NDF : 13.5/17

All: 211.838+/-361.613 χ^2/NDF : 30.7/37

- sign 904.322+/-527.461 χ^2/NDF : 14.0/19

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF :1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

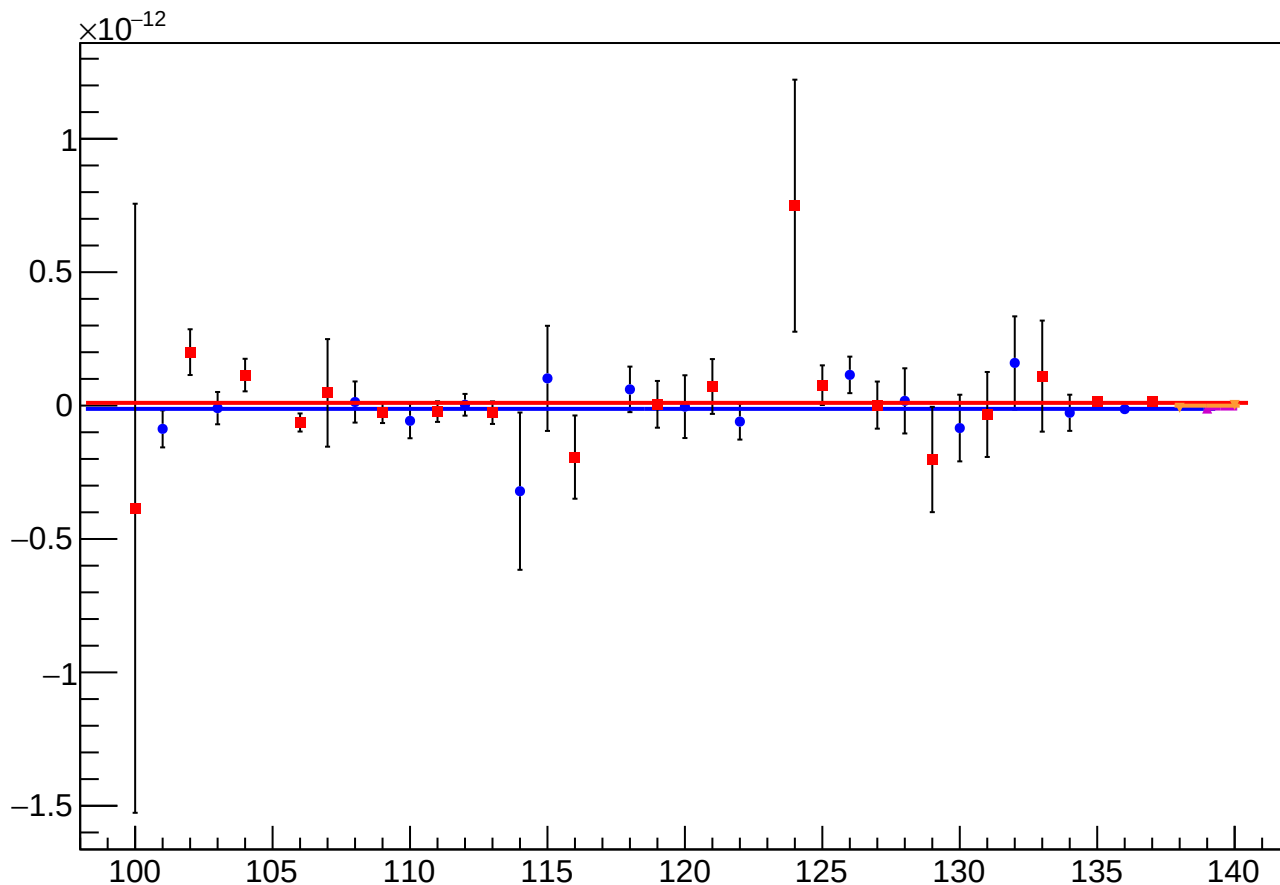
Left In: 1325.625+/-1.019 χ^2/NDF :0.0/0

+ sign 1451.046+/-0.351 χ^2/NDF : 618330.6/17

All: 1461.804+/-0.256 χ^2/NDF : 1268067.6/37

- sign 1473.934+/-0.373 χ^2/NDF : 647741.2/19

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug

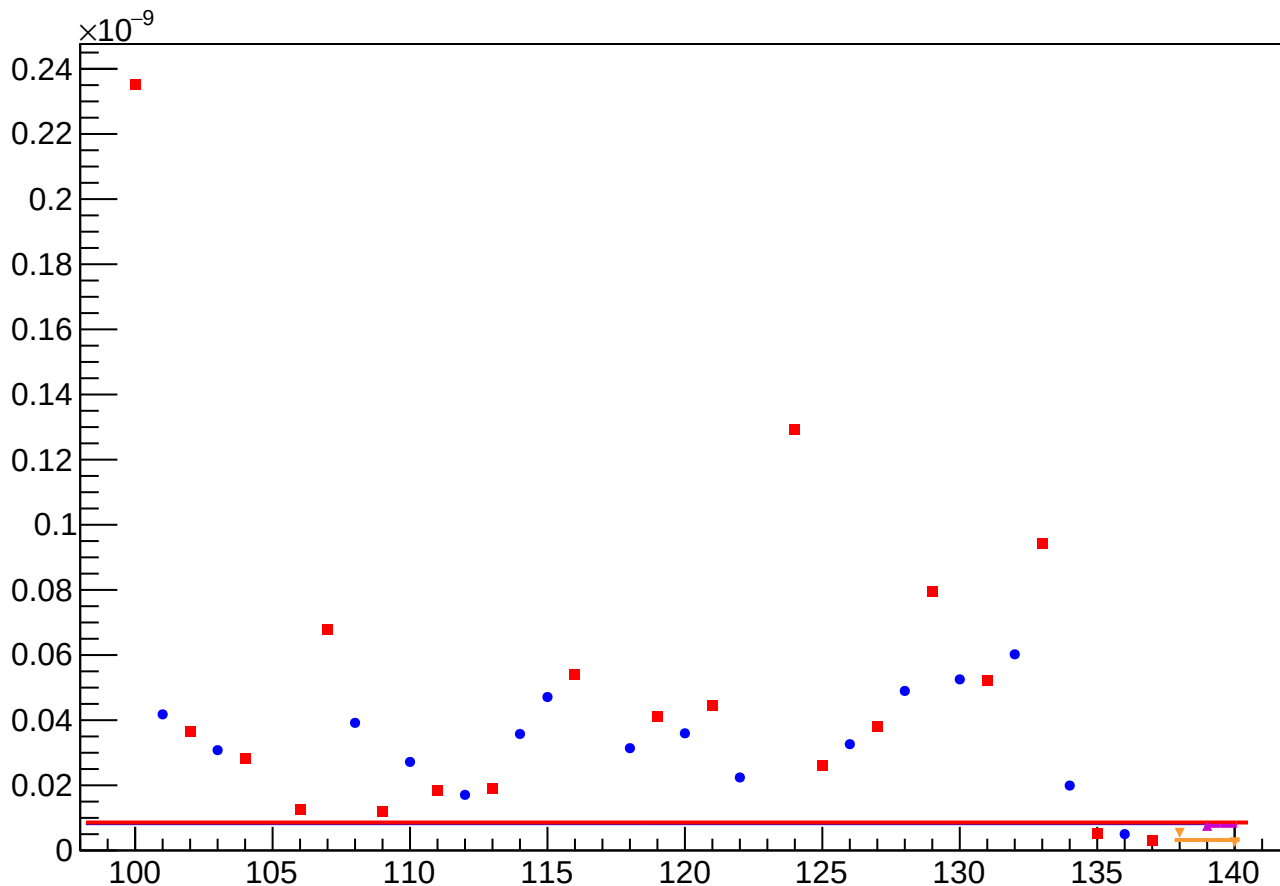


+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/19

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 171686.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3348571.5/18

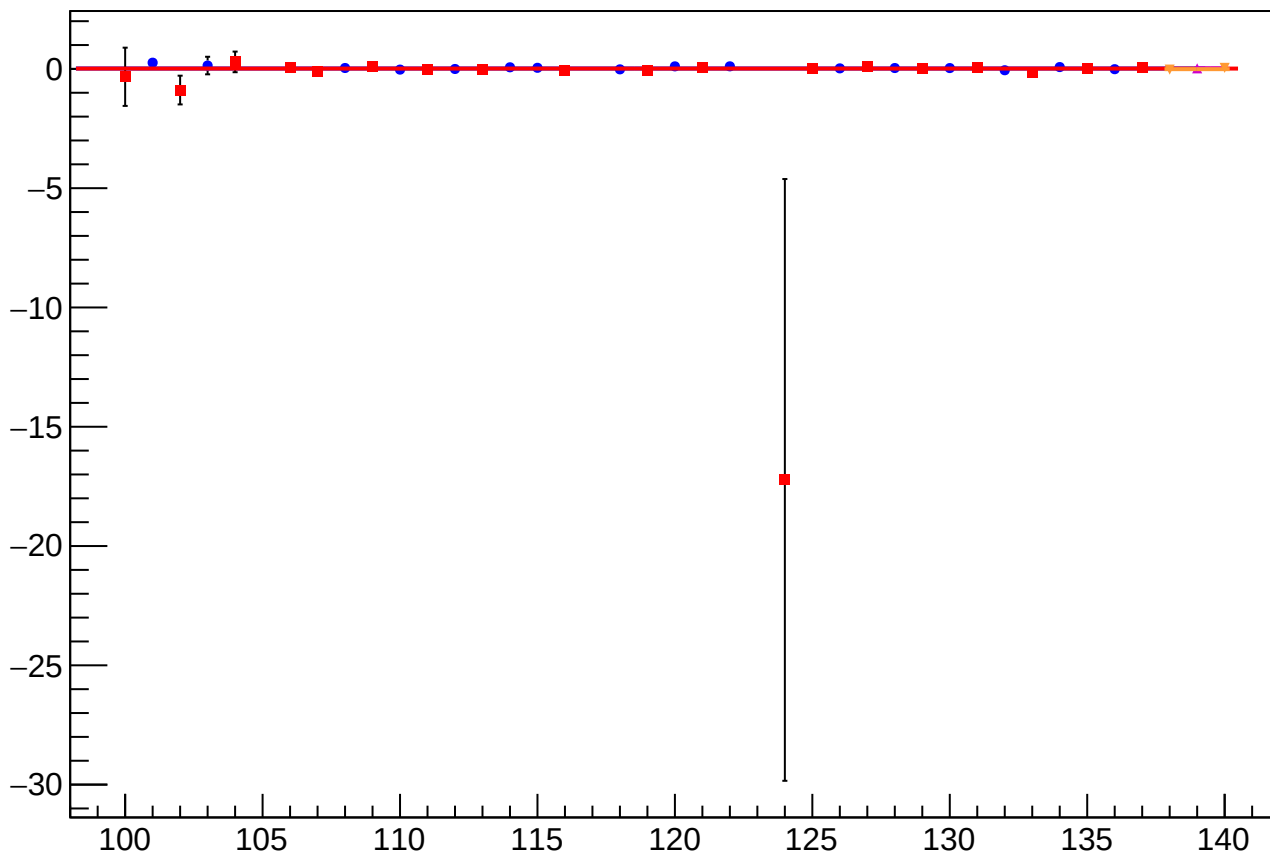
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3964271.9/17

All: 0.000+/-0.000 χ^2/NDF : 7834973.8/37

- sign 0.000+/-0.000 χ^2/NDF : 3360093.1/19

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

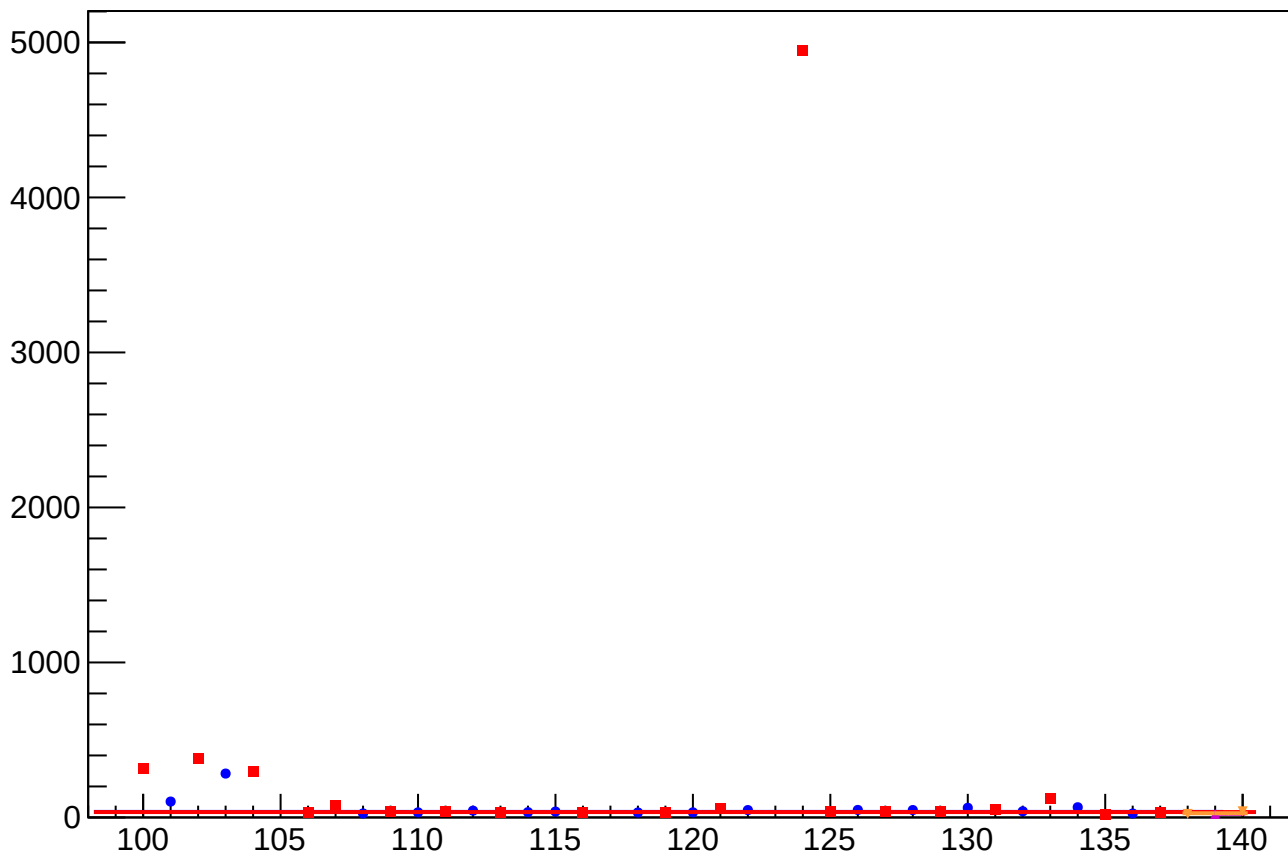
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 27.058 $\pm$ 0.017 χ^2 /NDF: 201472.7/1

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

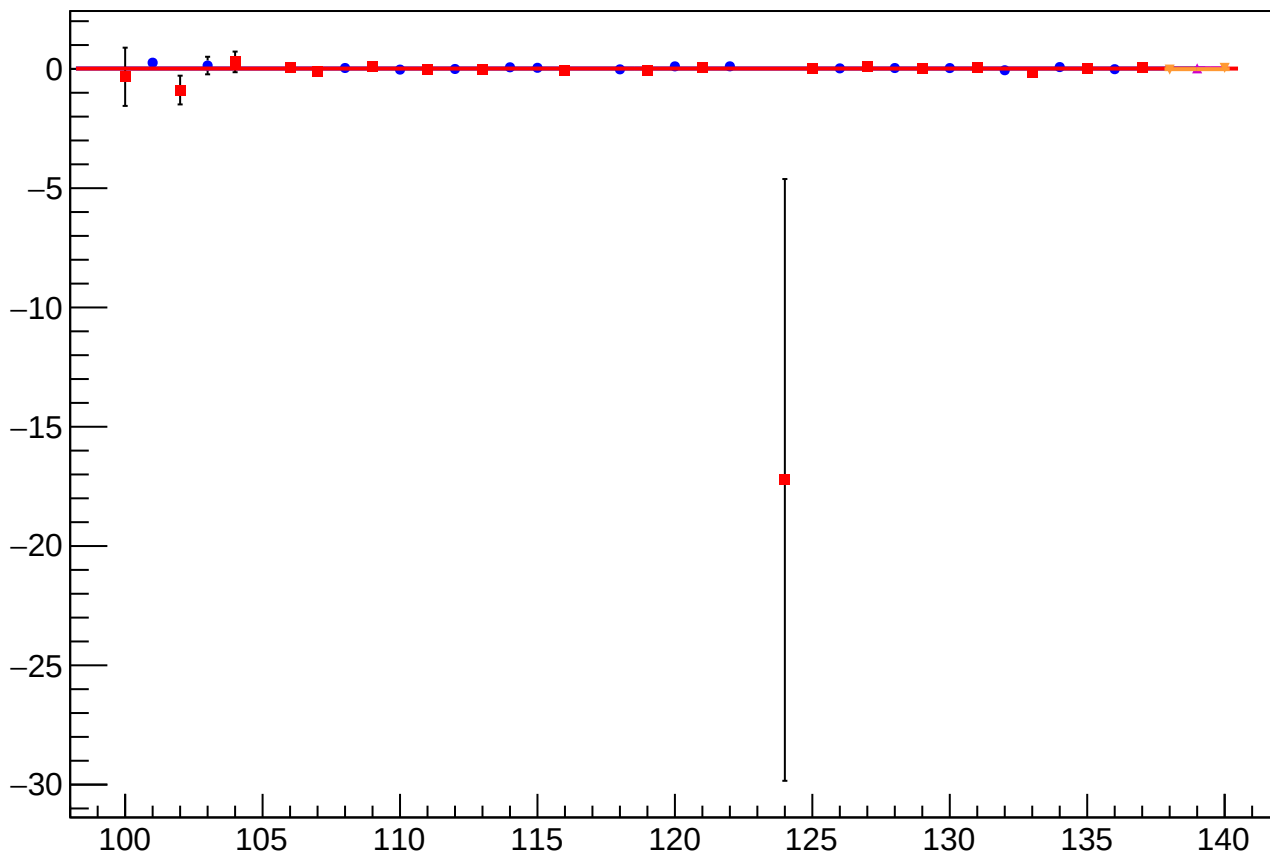
Left In: 23.483 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.743 $\pm$ 0.007 χ^2 /NDF: 5805975.1/37

- sign 32.295 $\pm$ 0.010 χ^2 /NDF: 3146162.9/19

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

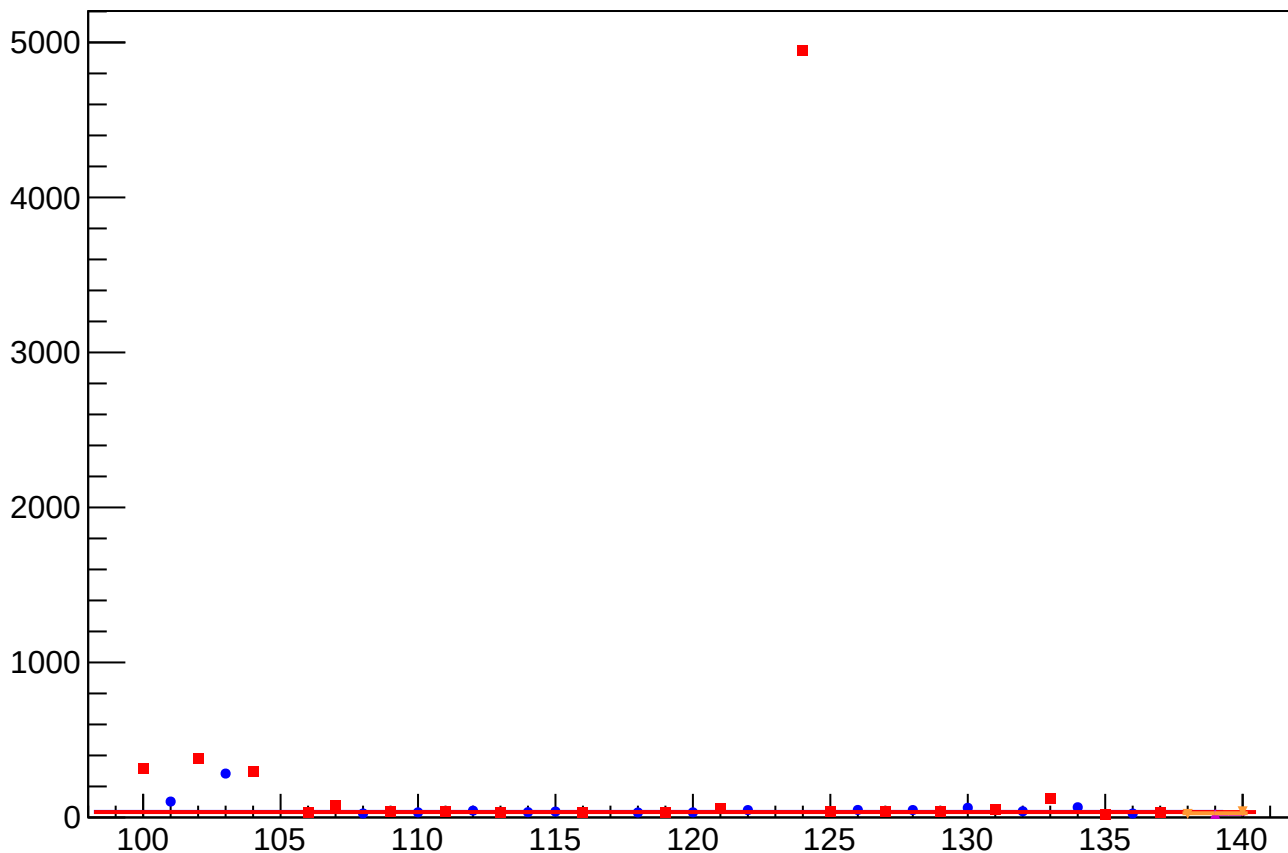
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 27.058 $\pm$ 0.017 χ^2 /NDF: 201472.7/1

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

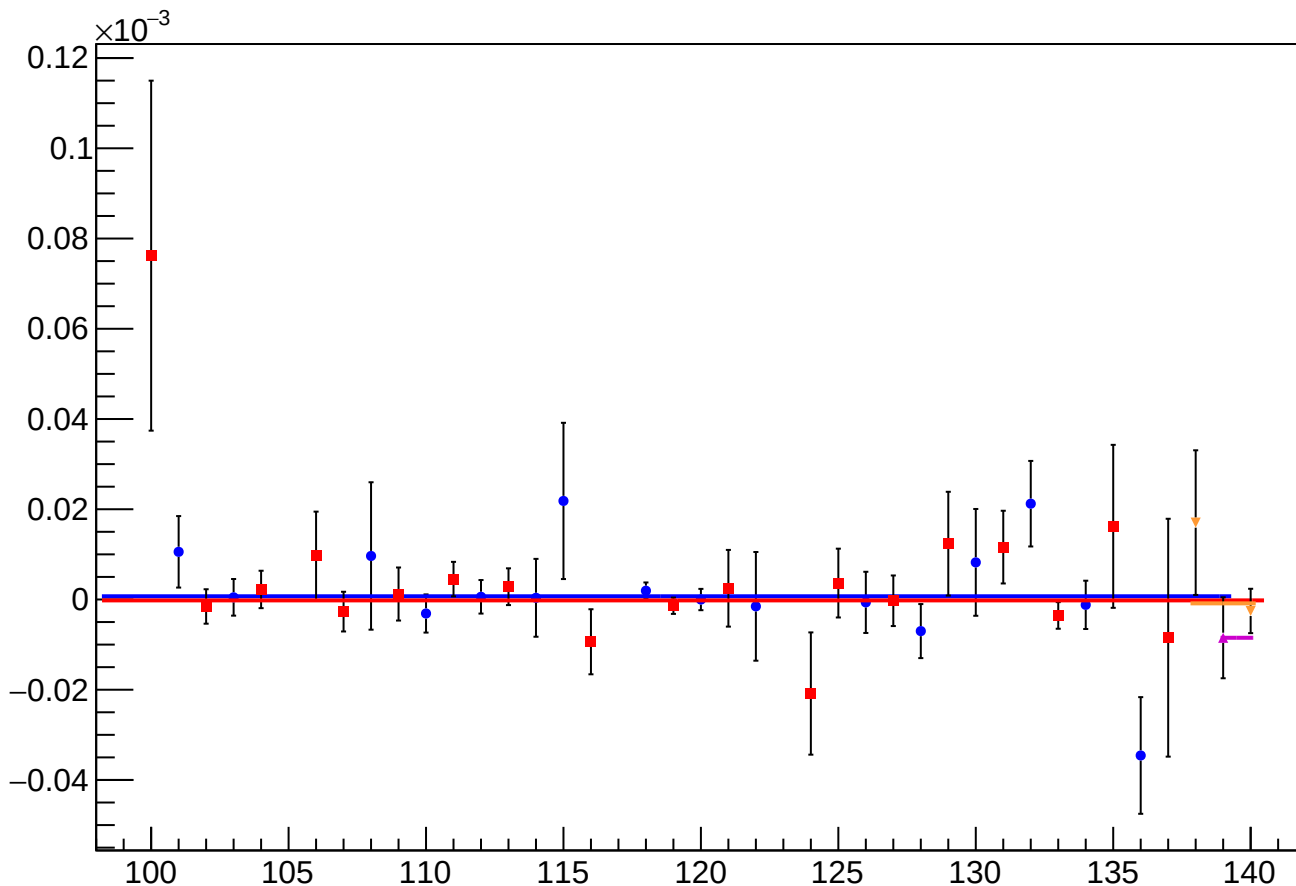
Left In: 23.483 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.743 $\pm$ 0.007 χ^2 /NDF: 5805975.1/37

- sign 32.295 $\pm$ 0.010 χ^2 /NDF: 3146162.9/19

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

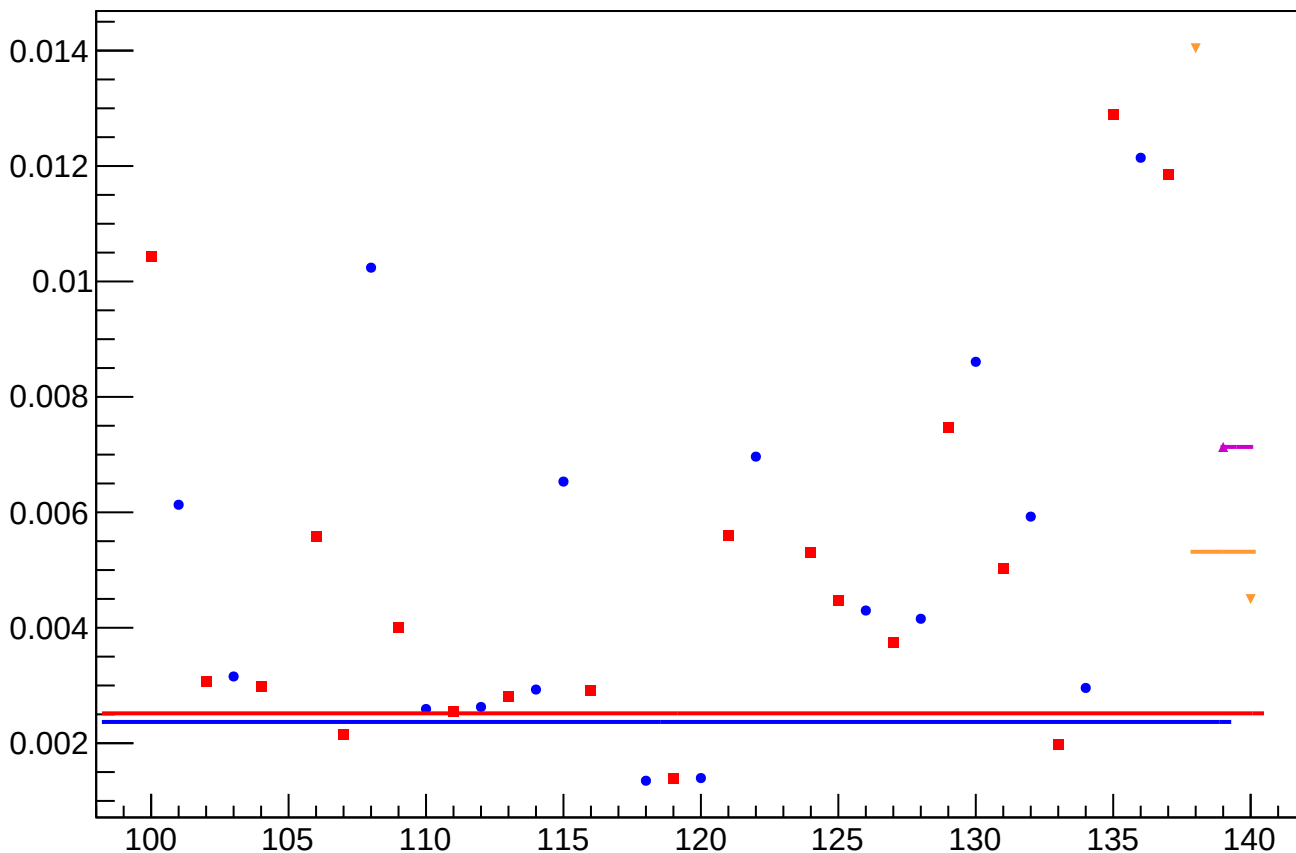
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/19

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4721602.1/15

Left Out: 0.005+/-0.000 χ^2/NDF : 647888.0/1

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

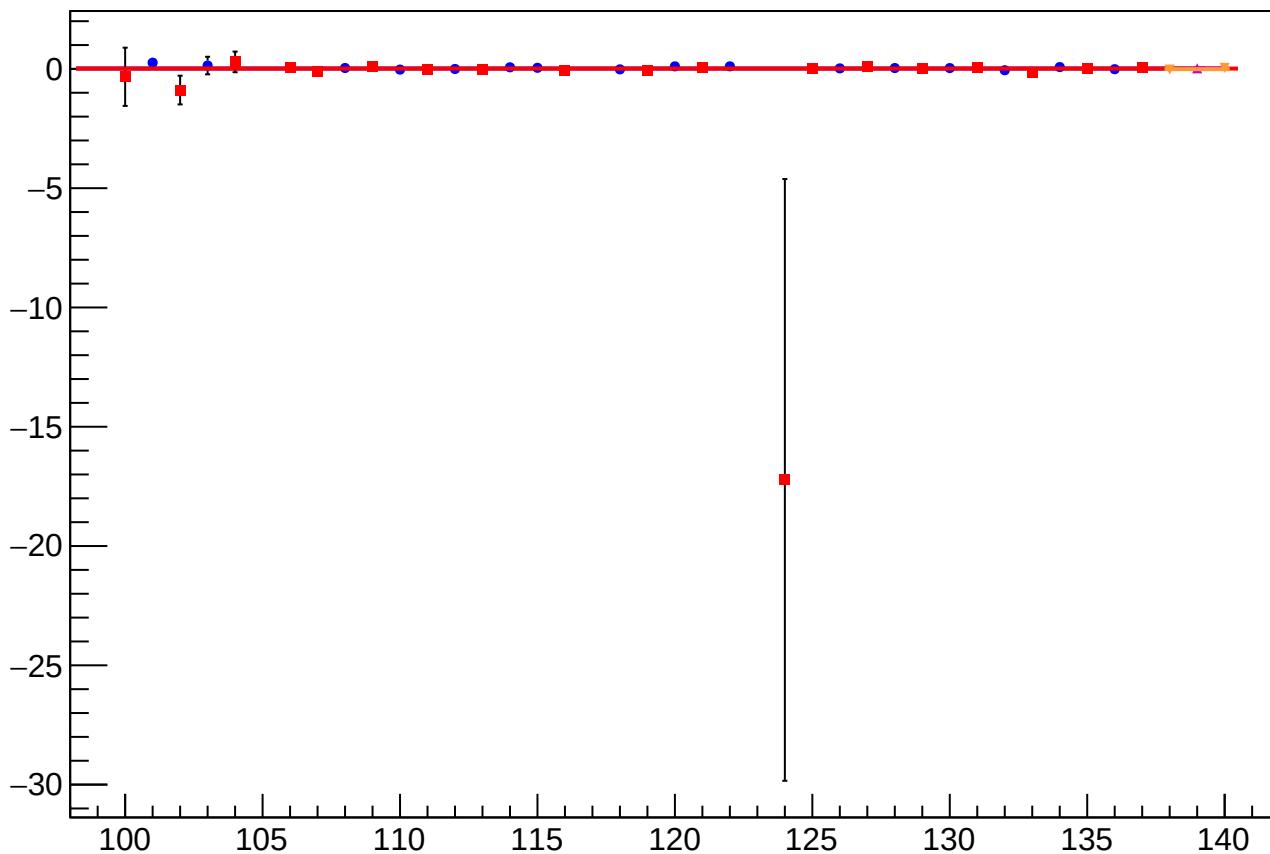
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 6115096.4/17

All: 0.003+/-0.000 χ^2/NDF : 10037424.6/37

- sign 0.003+/-0.000 χ^2/NDF : 3919326.8/19

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

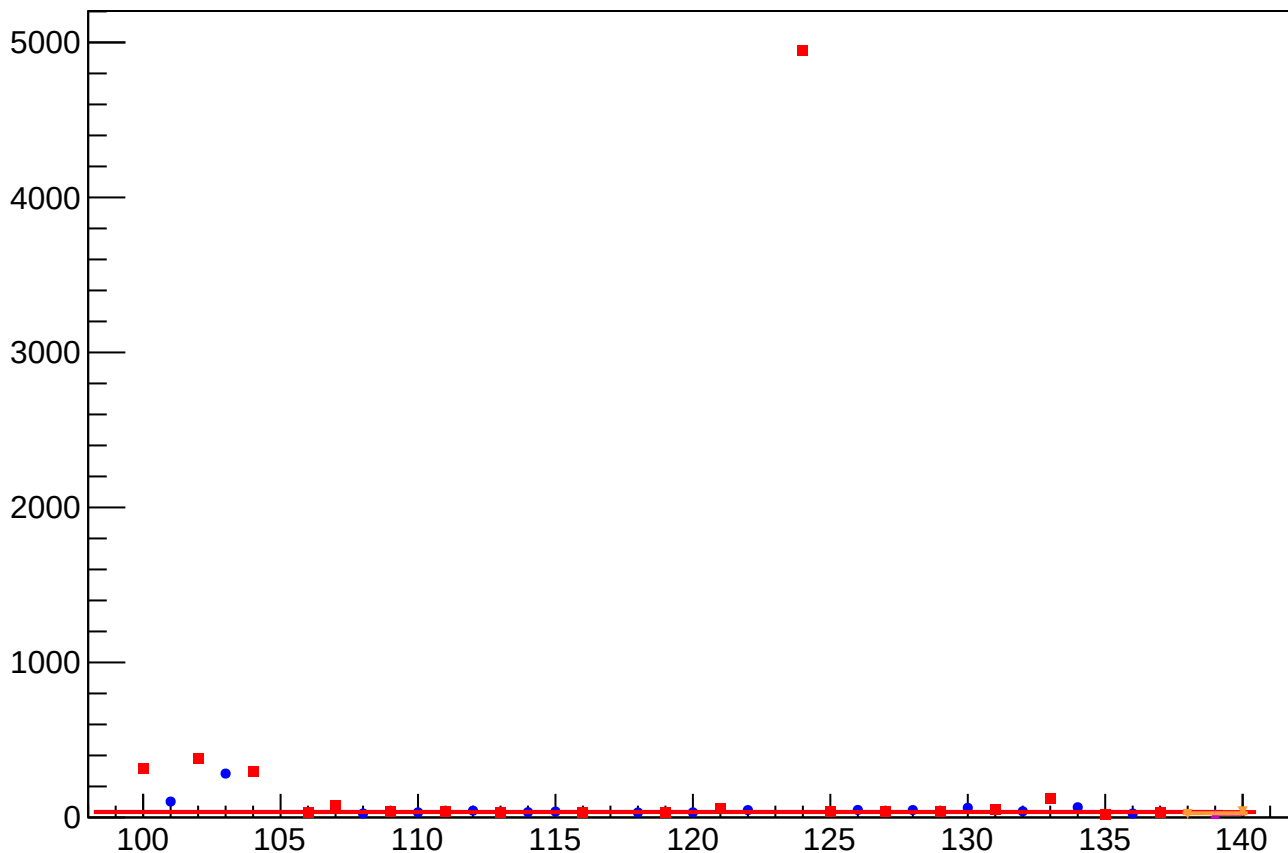
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF : 201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

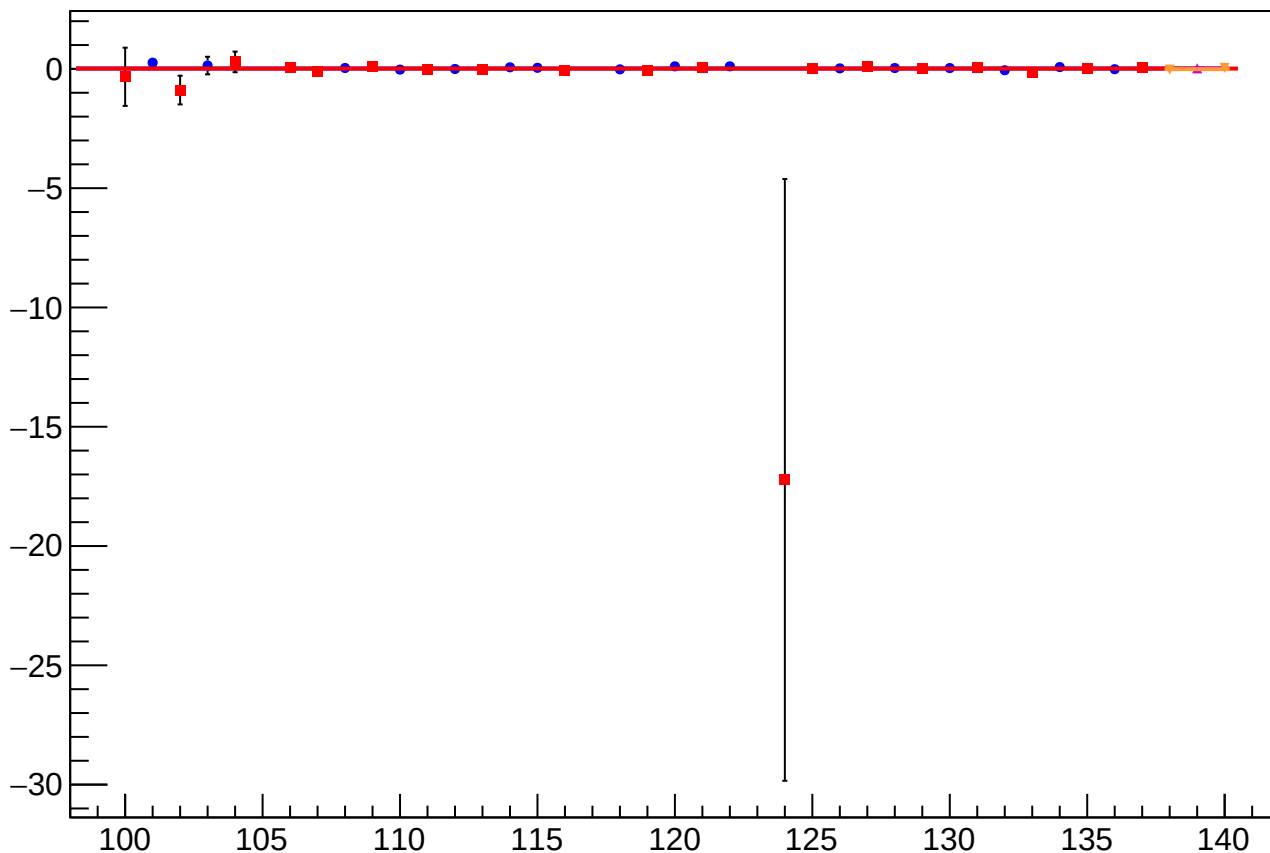
Left In: 23.477+/-0.021 χ^2/NDF : 0.0/0

+ sign 33.138+/-0.009 χ^2/NDF : 2655758.9/17

All: 32.743+/-0.007 χ^2/NDF : 5806076.0/37

- sign 32.294+/-0.010 χ^2/NDF : 3146323.1/19

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

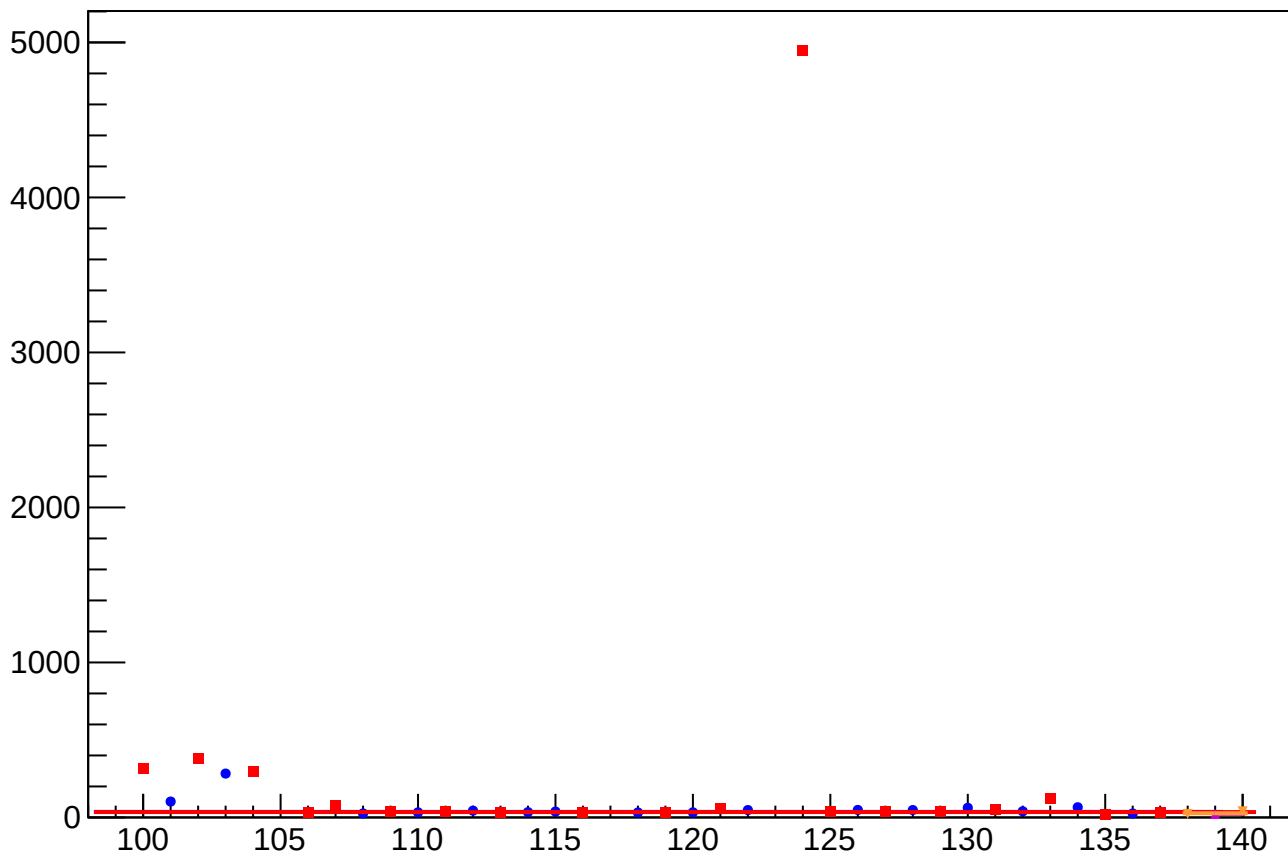
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF : 201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

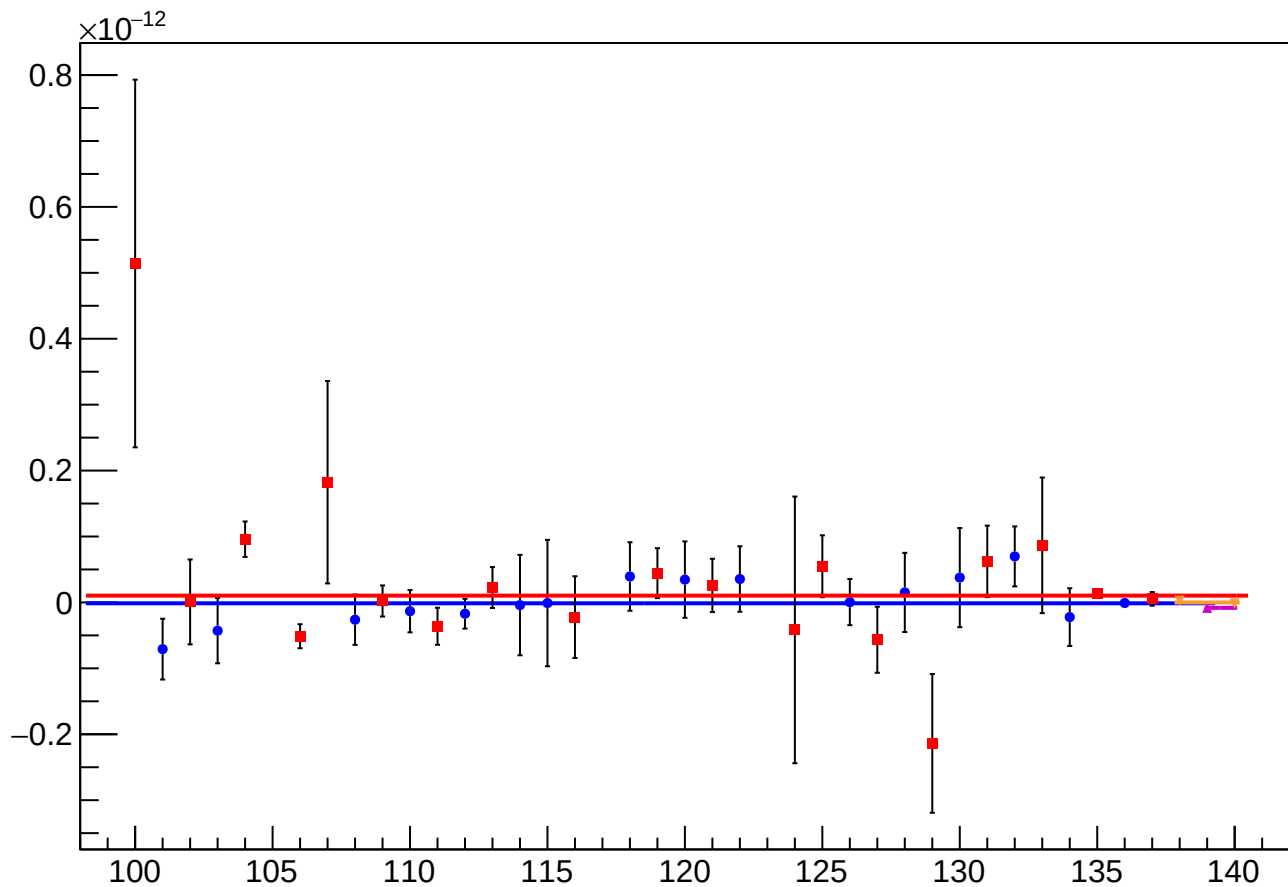
Left In: 23.477+/-0.021 χ^2/NDF : 0.0/0

+ sign 33.138+/-0.009 χ^2/NDF : 2655758.9/17

All: 32.743+/-0.007 χ^2/NDF : 5806076.0/37

- sign 32.294+/-0.010 χ^2/NDF : 3146323.1/19

asym_atl_avg_atr_avg_dd_eigen_cor_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 : 0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 39.9/18

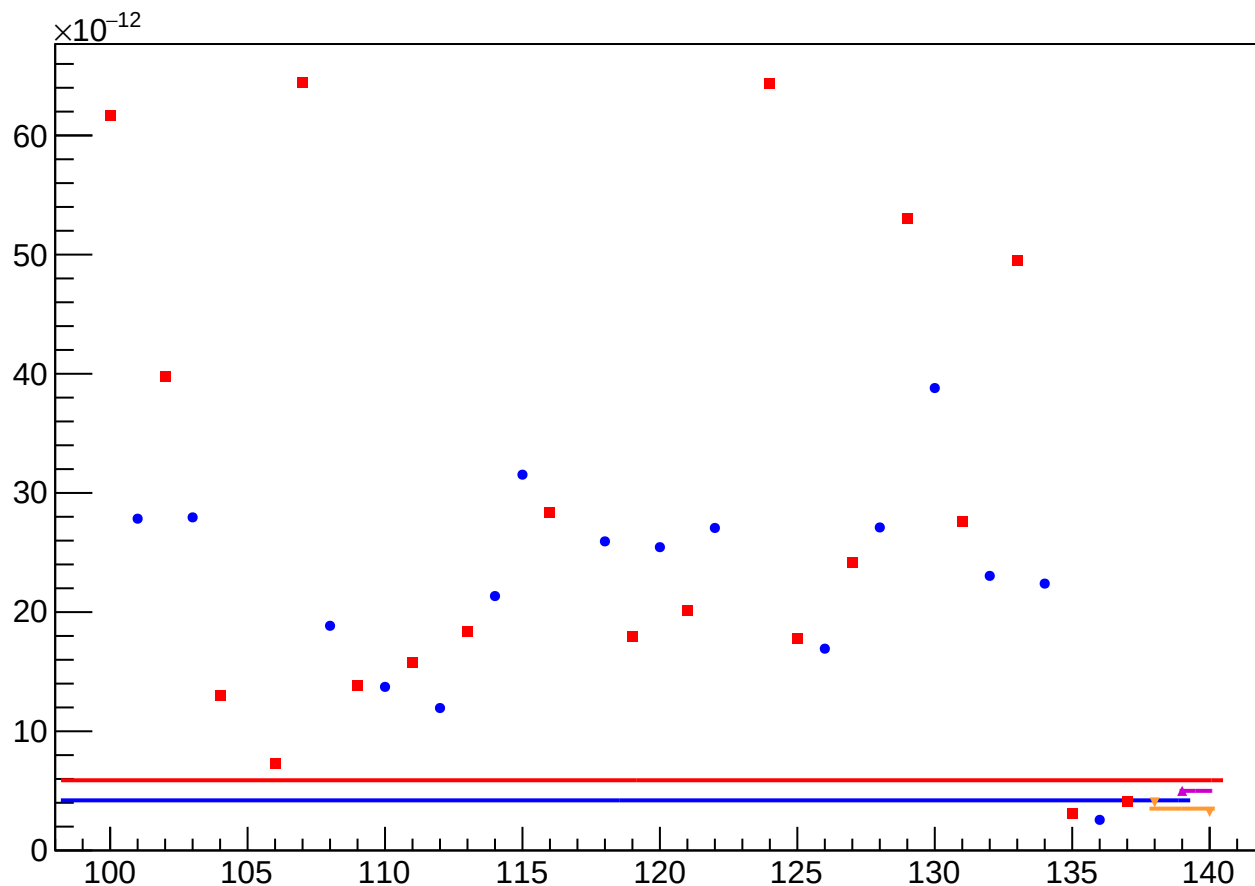
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 9.1/17

All: 0.000+/-0.000 χ^2/NDF : 56.3/37

- sign 0.000+/-0.000 χ^2/NDF : 45.4/19

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5080225.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 27633.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4860861.1/18

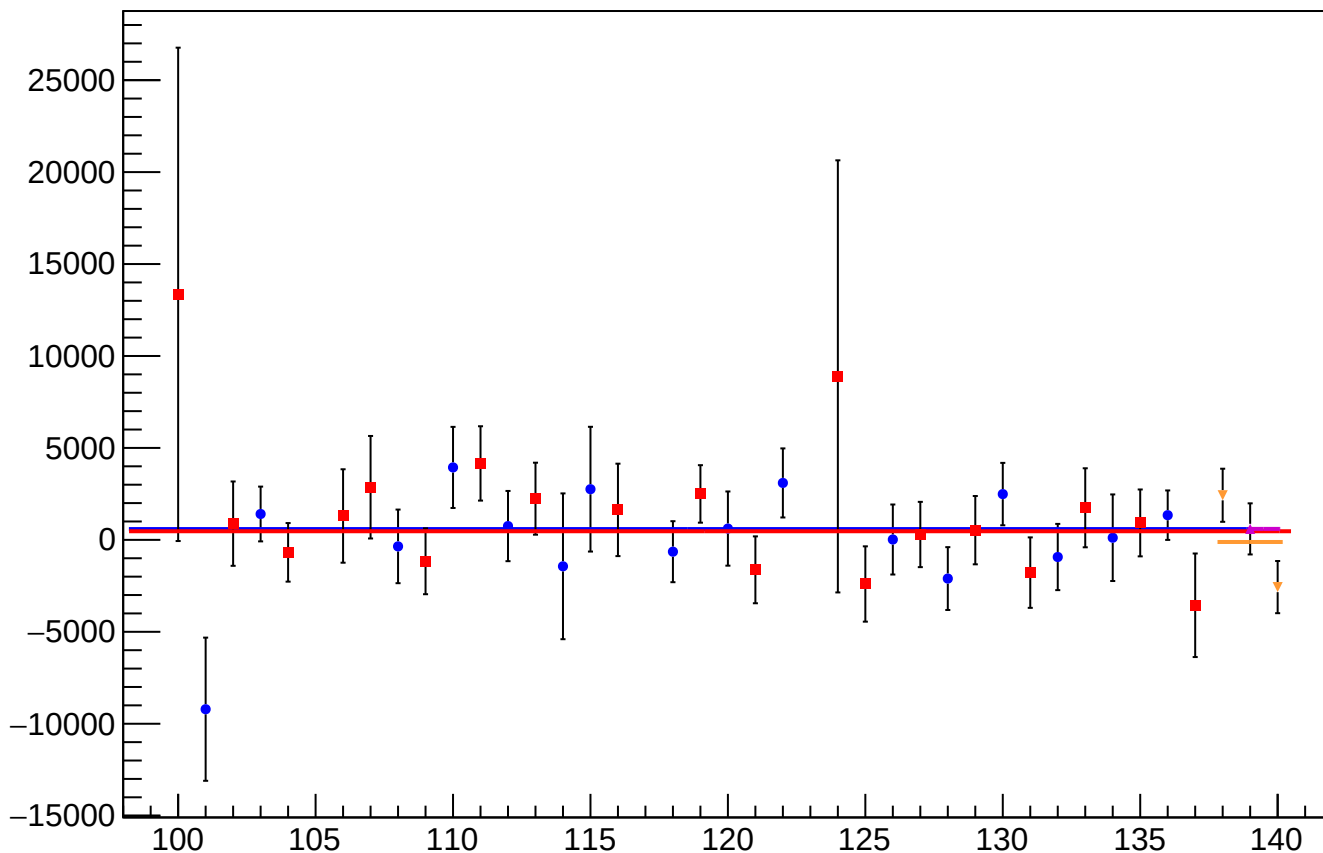
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5150867.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10394243.3/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4886128.3/19

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -115.062 $\pm$ 1011.922 χ^2 /NDF:6.1/1

Right Out: 469.012 $\pm$ 480.516 χ^2 /NDF: 16.9/18

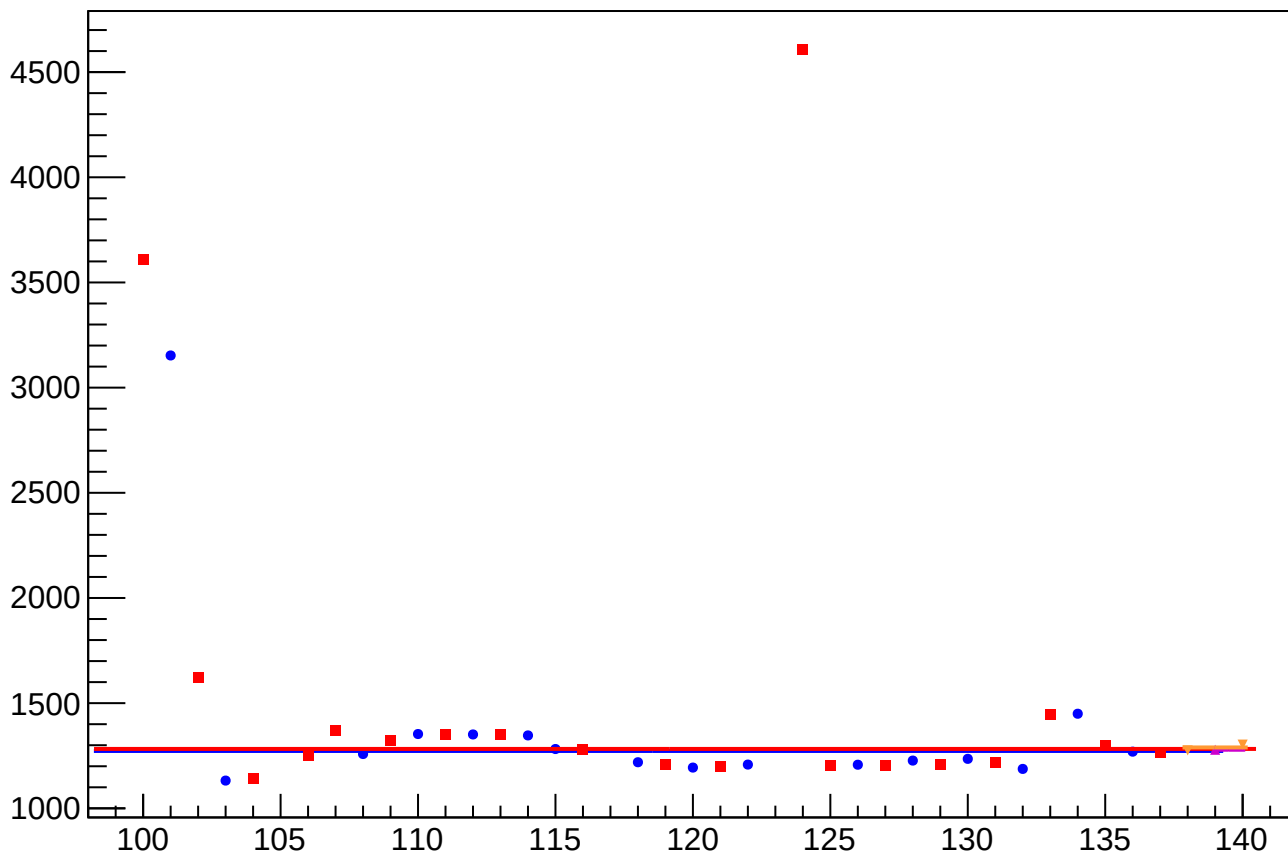
Left In: 596.547 $\pm$ 1389.692 χ^2 /NDF:0.0/0

+ sign 456.927 $\pm$ 435.476 χ^2 /NDF: 23.6/17

All: 469.241 $\pm$ 314.317 χ^2 /NDF: 40.4/37

- sign 482.632 $\pm$ 454.134 χ^2 /NDF: 16.9/19

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF : 322078.6/18

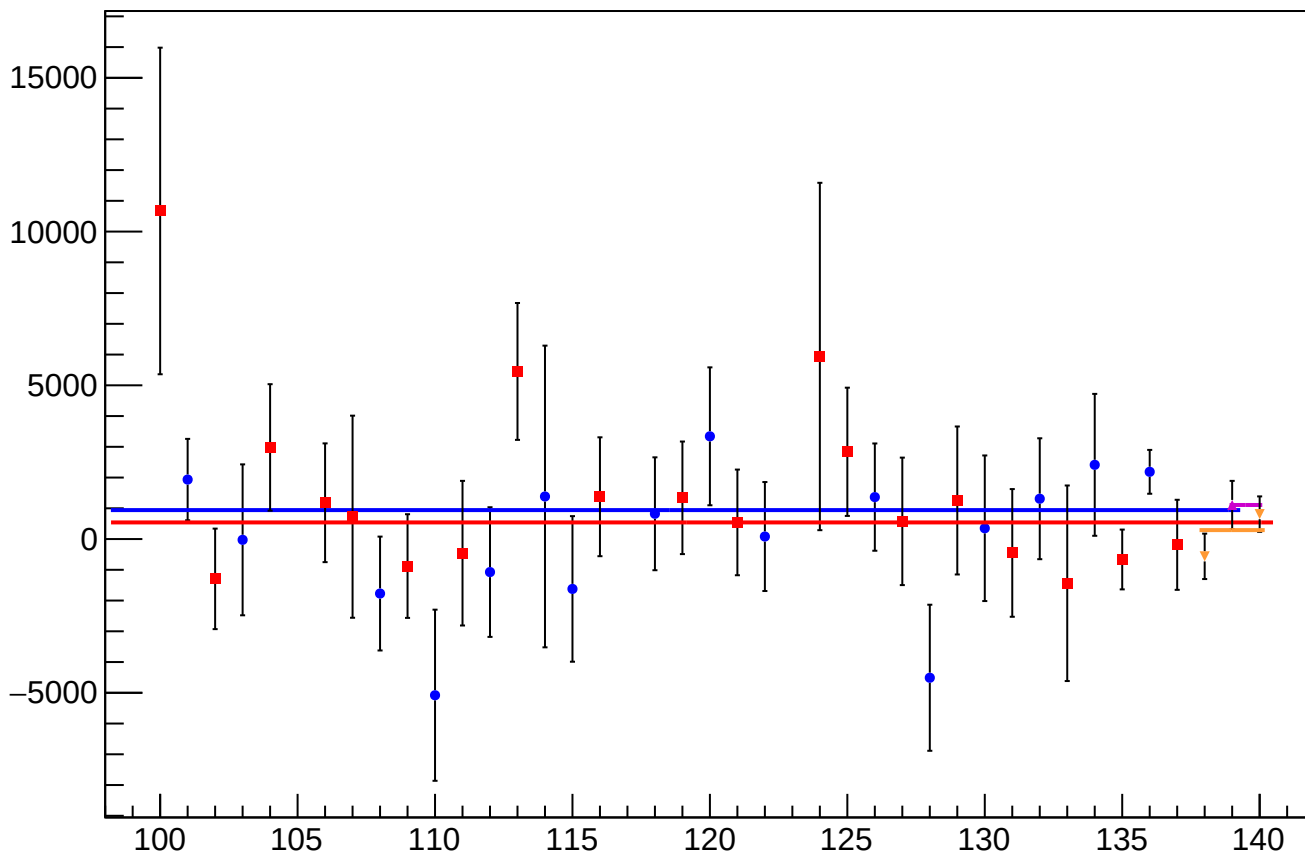
Left In: 1278.513+/-0.983 χ^2/NDF : 0.0/0

+ sign 1275.873+/-0.308 χ^2/NDF : 520103.5/17

All: 1278.786+/-0.222 χ^2/NDF : 842382.7/37

- sign 1281.954+/-0.321 χ^2/NDF : 322092.3/19

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759 $\pm$ 425.837 χ^2 /NDF: 19.9/15

Left Out: 291.098 $\pm$ 454.354 χ^2 /NDF:2.1/1

Right Out: 540.622 $\pm$ 439.905 χ^2 /NDF: 17.2/18

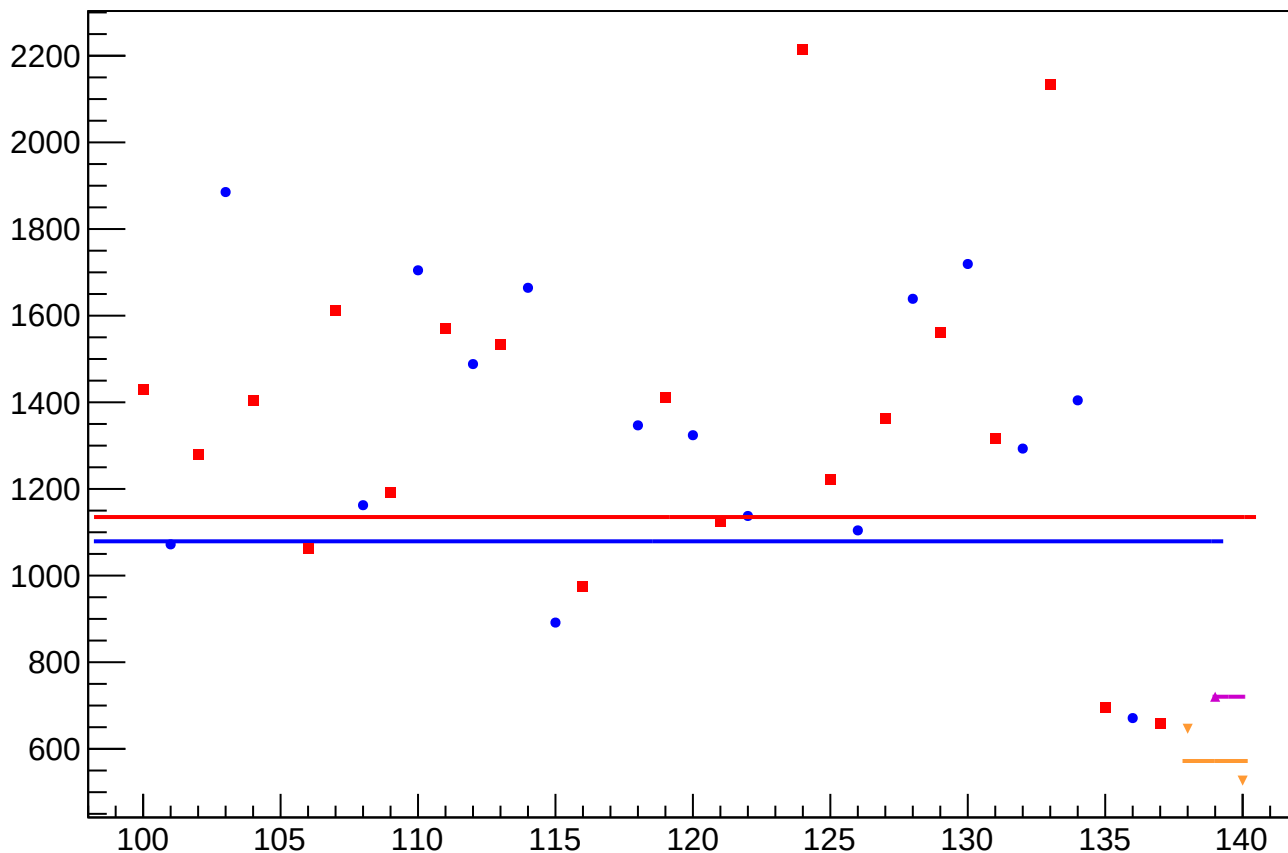
Left In: 1108.155 $\pm$ 784.028 χ^2 /NDF:0.0/0

+ sign 637.488 $\pm$ 310.705 χ^2 /NDF: 23.1/17

All: 652.945 $\pm$ 241.452 χ^2 /NDF: 40.7/37

- sign 676.510 $\pm$ 383.642 χ^2 /NDF: 17.6/19

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF : 1482232.0/15

Left Out: 572.010+/-0.321 χ^2/NDF : 32656.8/1

Right Out: 1135.161+/-0.311 χ^2/NDF : 1293082.2/18

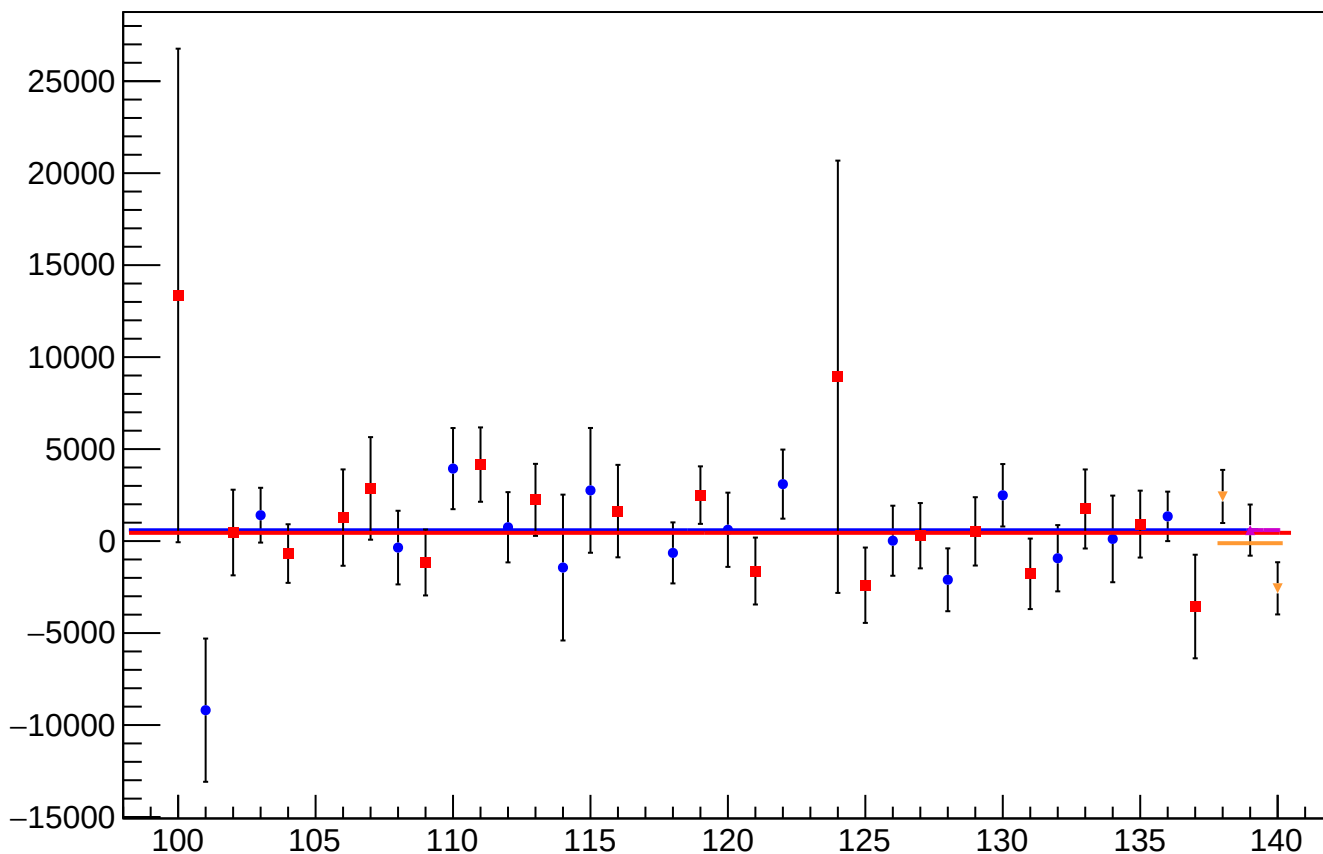
Left In: 720.387+/-0.554 χ^2/NDF : 0.0/0

+ sign 841.977+/-0.220 χ^2/NDF : 2841228.4/17

All: 918.770+/-0.171 χ^2/NDF : 4868470.2/37

- sign 1035.849+/-0.271 χ^2/NDF : 1718803.4/19

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

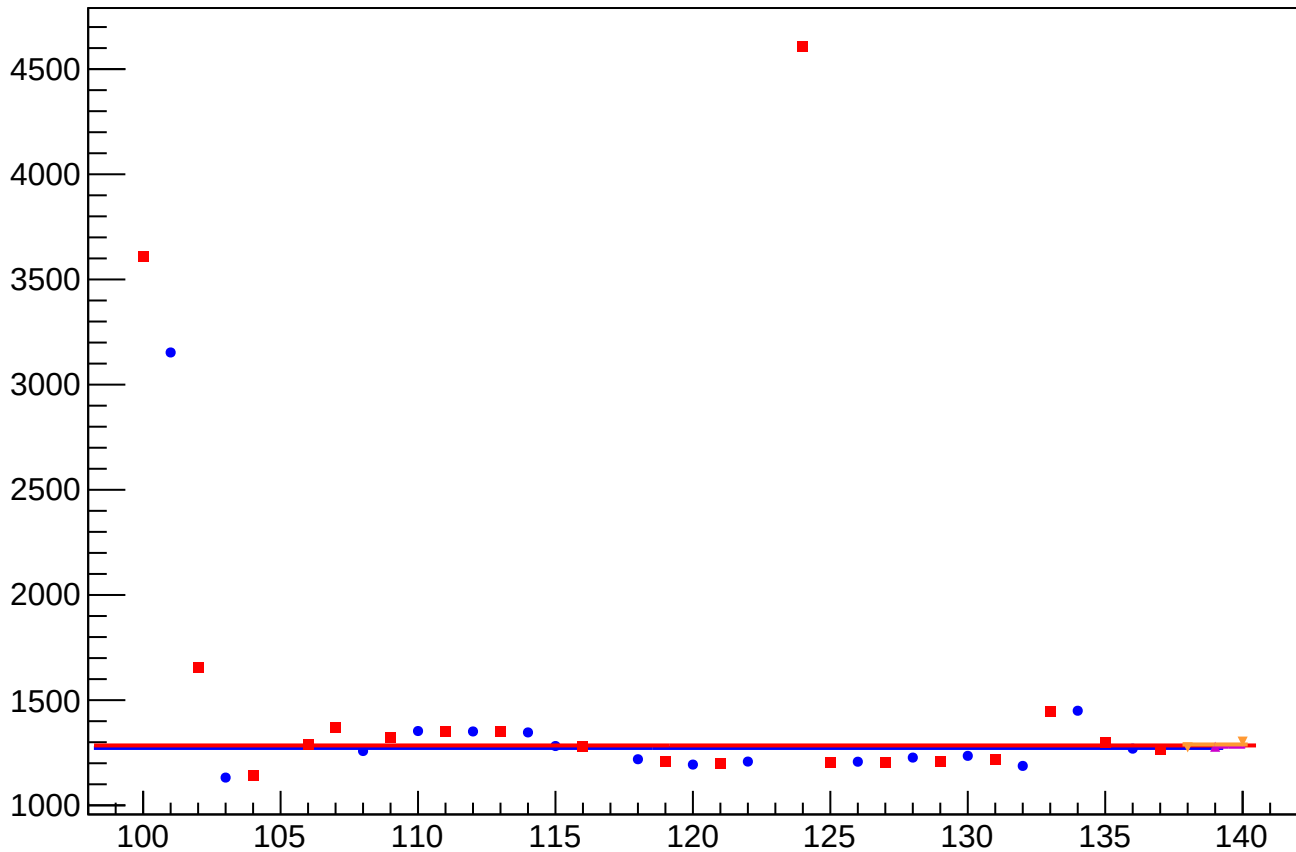
Left In: 596.369+/-1389.692 χ^2/NDF : 0.0/0

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 460.566+/-314.546 χ^2/NDF : 40.4/37

- sign 464.260+/-454.824 χ^2/NDF : 16.8/19

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

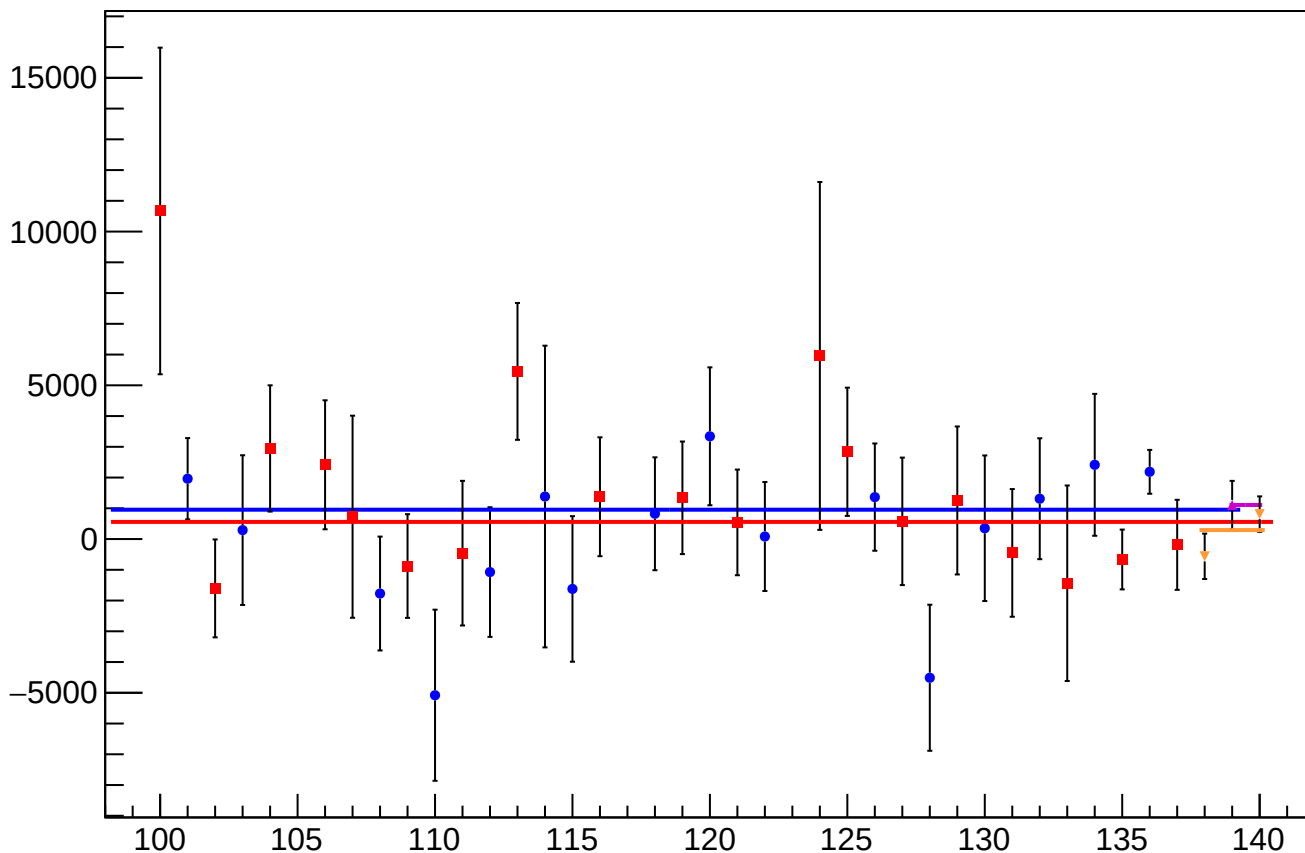
Left In: 1278.513+/-0.983 χ^2/NDF : 0.0/0

+ sign 1275.872+/-0.308 χ^2/NDF : 520104.9/17

All: 1279.758+/-0.222 χ^2/NDF : 849207.7/37

- sign 1283.996+/-0.322 χ^2/NDF : 328769.8/19

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 291.304 $\pm$ 454.368 χ^2 /NDF:2.1/1

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

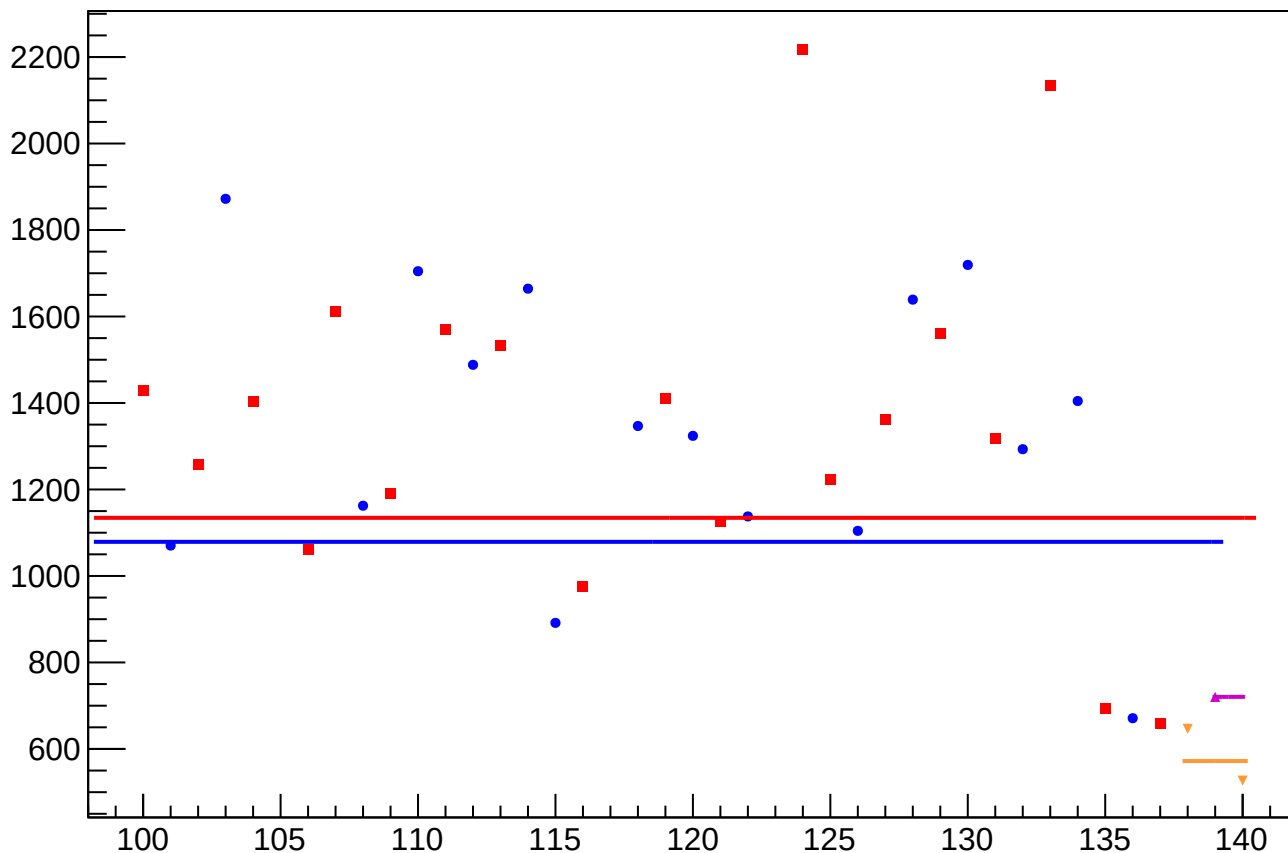
Left In: 1108.049 $\pm$ 784.021 χ^2 /NDF:0.0/0

+ sign 644.325 $\pm$ 310.641 χ^2 /NDF: 23.1/17

All: 662.397 $\pm$ 241.562 χ^2 /NDF: 41.9/37

- sign 690.043 $\pm$ 384.207 χ^2 /NDF: 18.8/19

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932 ± 0.301 $\chi^2/\text{NDF}: 1478719.9/15$

Left Out: 572.029 ± 0.321 $\chi^2/\text{NDF}: 32638.6/1$

Right Out: 1134.428 ± 0.312 $\chi^2/\text{NDF}: 1288899.2/18$

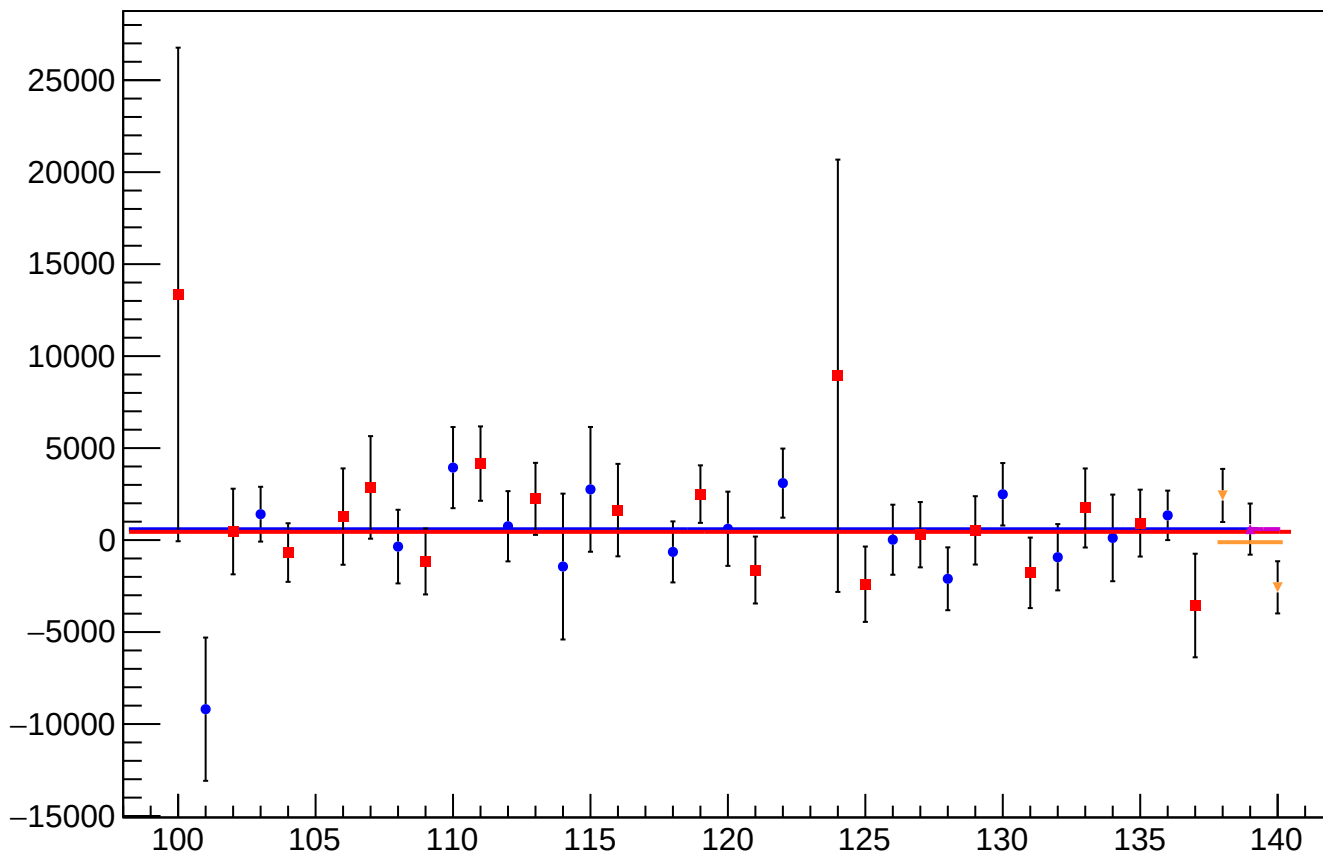
Left In: 720.381 ± 0.554 $\chi^2/\text{NDF}: 0.0/0$

+ sign 841.999 ± 0.220 $\chi^2/\text{NDF}: 2837084.5/17$

All: 918.291 ± 0.171 $\chi^2/\text{NDF}: 4854996.3/37$

- sign 1034.996 ± 0.272 $\chi^2/\text{NDF}: 1712741.3/19$

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: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

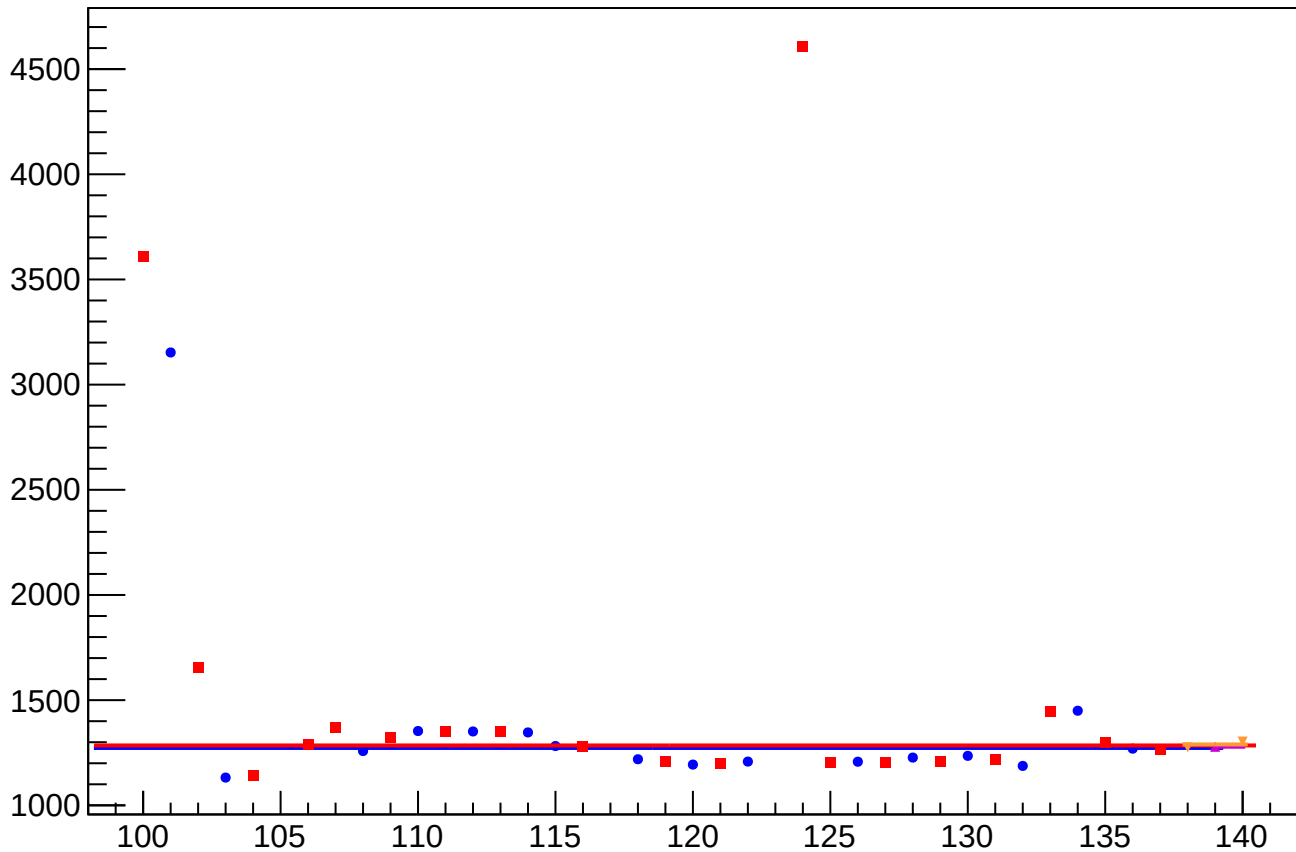
Left In: 596.369+/-1389.692 χ^2/NDF : 0.0/0

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 460.566+/-314.546 χ^2/NDF : 40.4/37

- sign 464.260+/-454.824 χ^2/NDF : 16.8/19

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: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

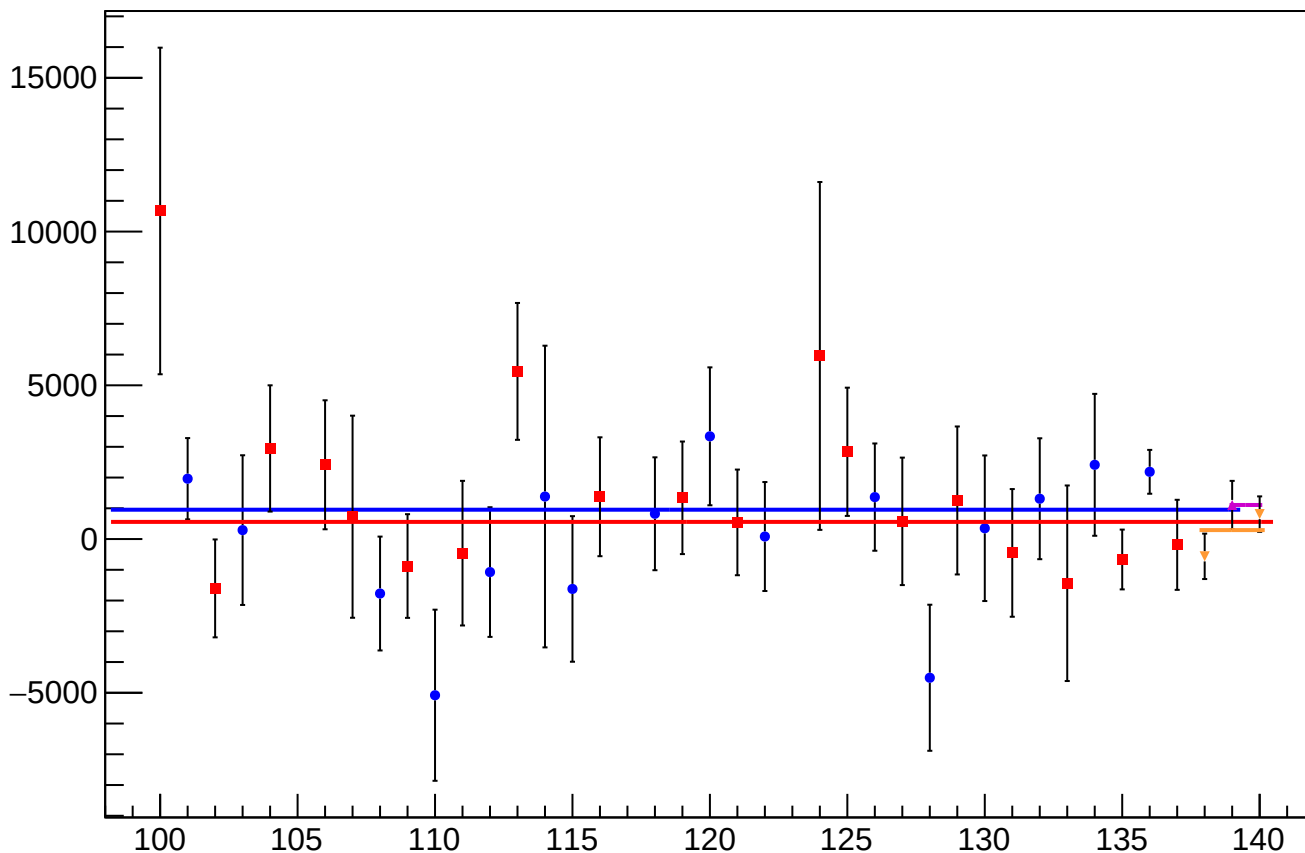
Left In: 1278.513+/-0.983 χ^2/NDF : 0.0/0

+ sign 1275.872+/-0.308 χ^2/NDF : 520104.9/17

All: 1279.758+/-0.222 χ^2/NDF : 849207.7/37

- sign 1283.996+/-0.322 χ^2/NDF : 328769.8/19

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 291.304 $\pm$ 454.368 χ^2 /NDF:2.1/1

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

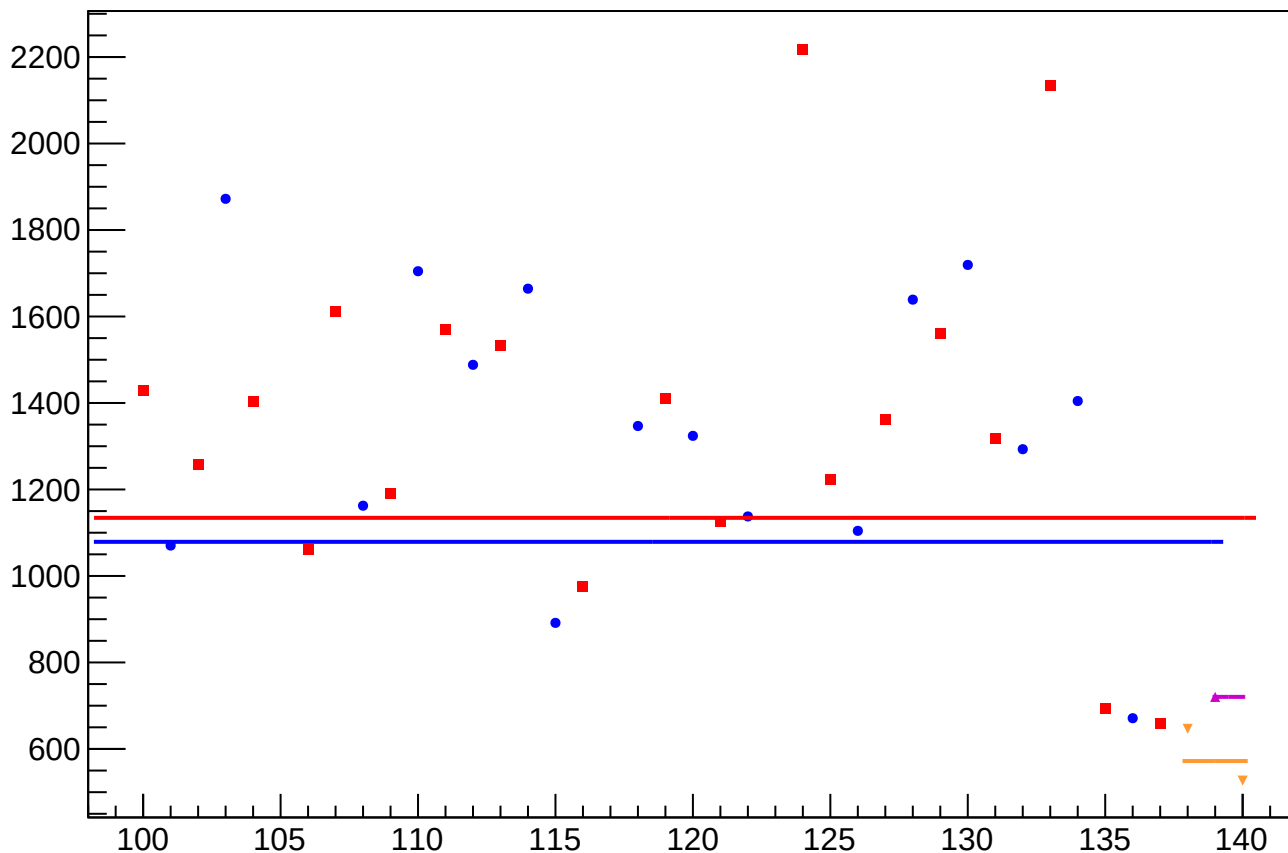
Left In: 1108.049 $\pm$ 784.021 χ^2 /NDF:0.0/0

+ sign 644.325 $\pm$ 310.641 χ^2 /NDF: 23.1/17

All: 662.397 $\pm$ 241.562 χ^2 /NDF: 41.9/37

- sign 690.043 $\pm$ 384.207 χ^2 /NDF: 18.8/19

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1078.932 $\pm$ 0.301 χ^2 /NDF: 1478719.9/15

Left Out: 572.029 $\pm$ 0.321 χ^2 /NDF: 32638.6/1

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

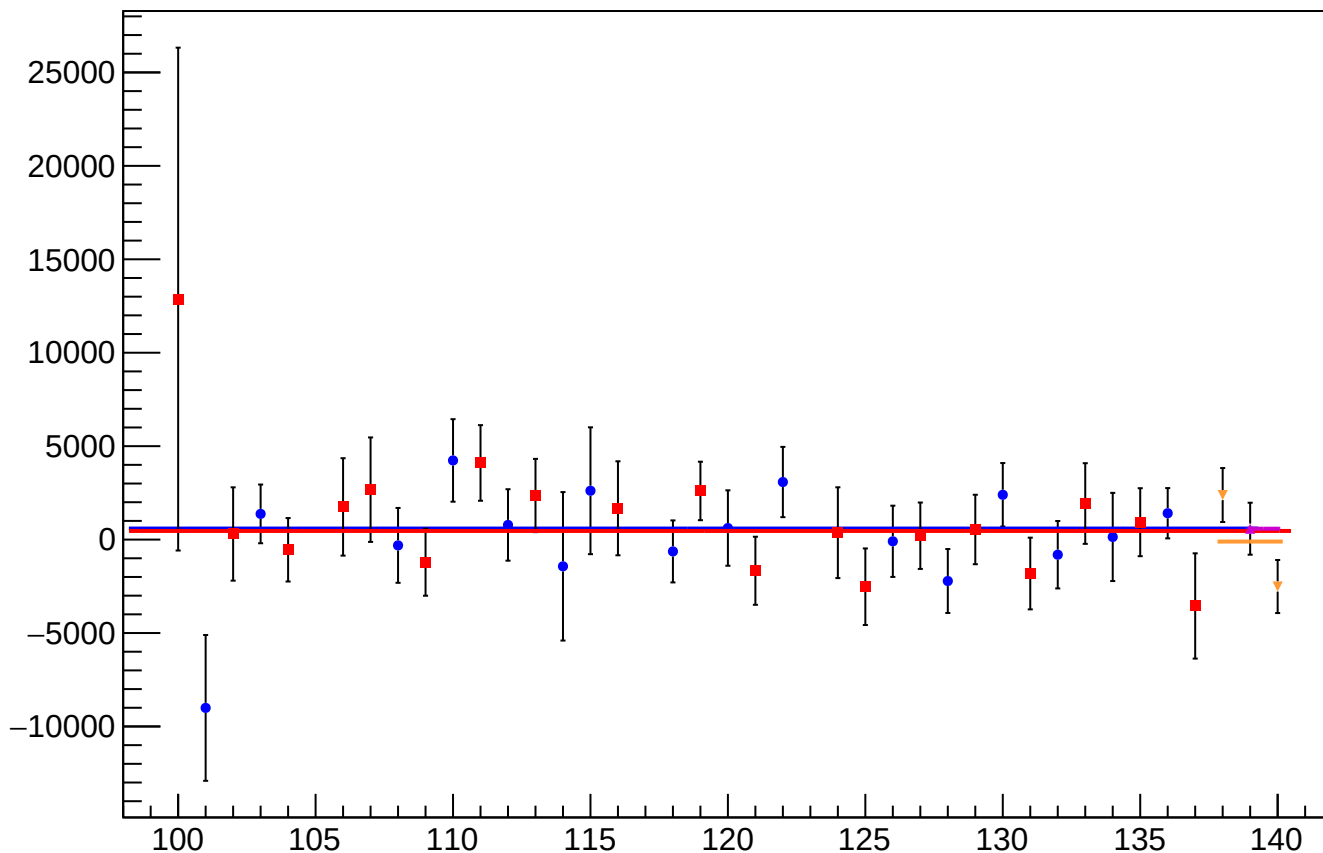
Left In: 720.381 $\pm$ 0.554 χ^2 /NDF: 0.0/0

+ sign 841.999 $\pm$ 0.220 χ^2 /NDF: 2837084.5/17

All: 918.291 $\pm$ 0.171 χ^2 /NDF: 4854996.3/37

- sign 1034.996 $\pm$ 0.272 χ^2 /NDF: 1712741.3/19

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322 $\pm$ 485.483 χ^2 /NDF: 17.1/15

Left Out: -105.070 $\pm$ 1012.604 χ^2 /NDF:5.8/1

Right Out: 462.606 $\pm$ 476.795 χ^2 /NDF: 16.7/18

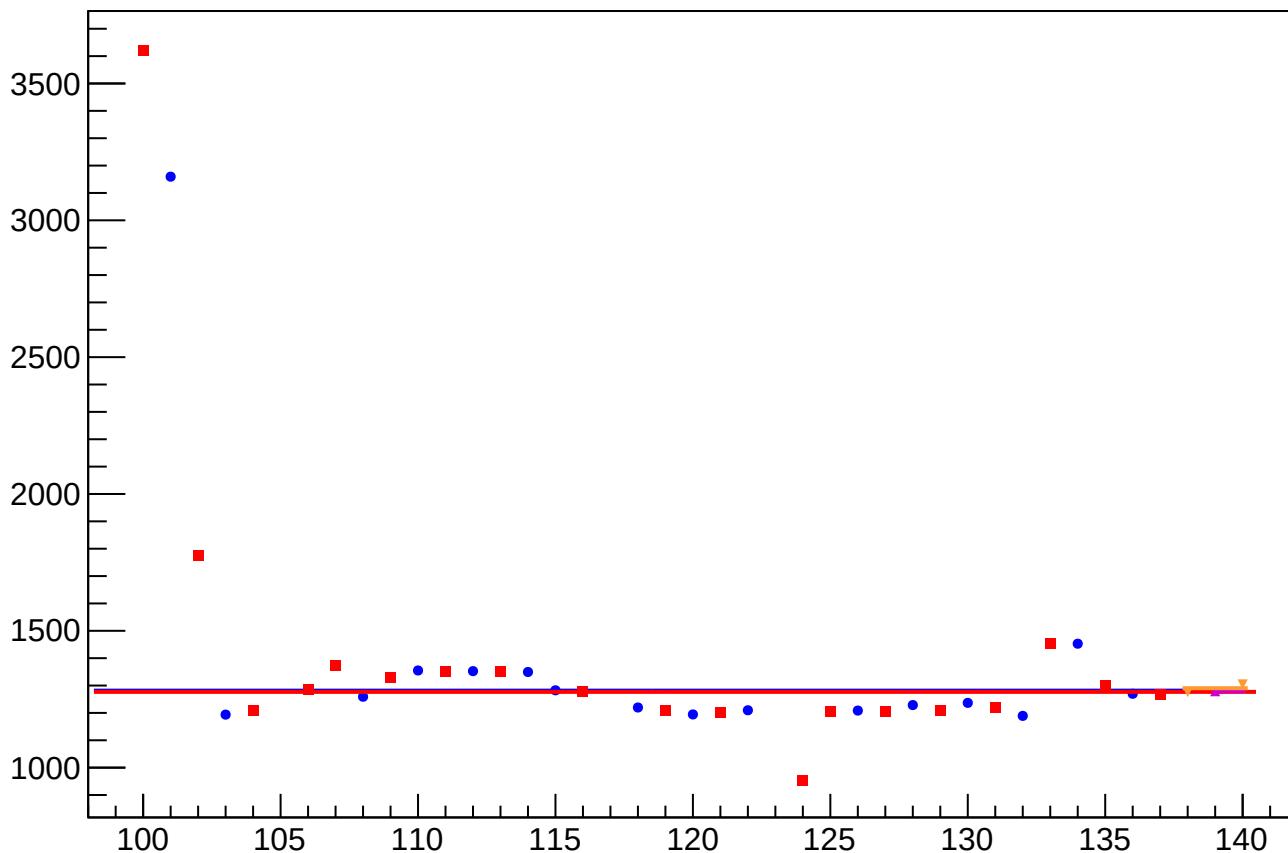
Left In: 582.308 $\pm$ 1390.514 χ^2 /NDF:0.0/0

+ sign 460.352 $\pm$ 437.769 χ^2 /NDF: 23.3/17

All: 467.554 $\pm$ 314.129 χ^2 /NDF: 40.0/37

- sign 475.199 $\pm$ 451.018 χ^2 /NDF: 16.7/19

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369 $\pm$ 0.343 χ^2 /NDF: 507078.4/15

Left Out: 1290.238 $\pm$ 0.716 χ^2 /NDF:387.0/1

Right Out: 1276.860 $\pm$ 0.337 χ^2 /NDF: 220513.6/18

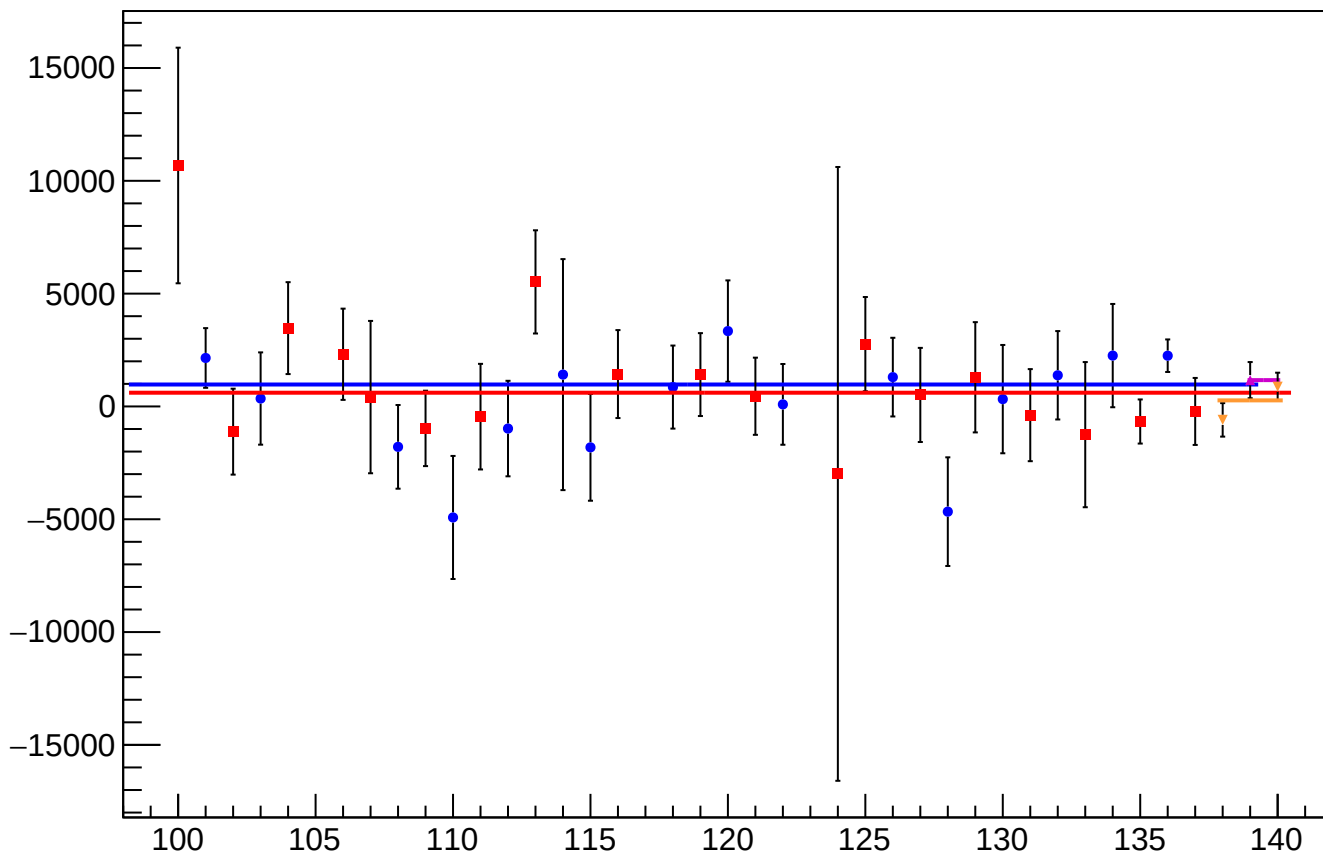
Left In: 1279.253 $\pm$ 0.983 χ^2 /NDF:0.0/0

+ sign 1283.026 $\pm$ 0.310 χ^2 /NDF: 507590.2/17

All: 1280.157 $\pm$ 0.222 χ^2 /NDF: 728286.2/37

- sign 1277.112 $\pm$ 0.319 χ^2 /NDF: 220518.9/19

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF : 20.4/15

Left Out: 268.805+/-476.626 χ^2/NDF : 2.3/1

Right Out: 608.431+/-447.734 χ^2/NDF : 17.1/18

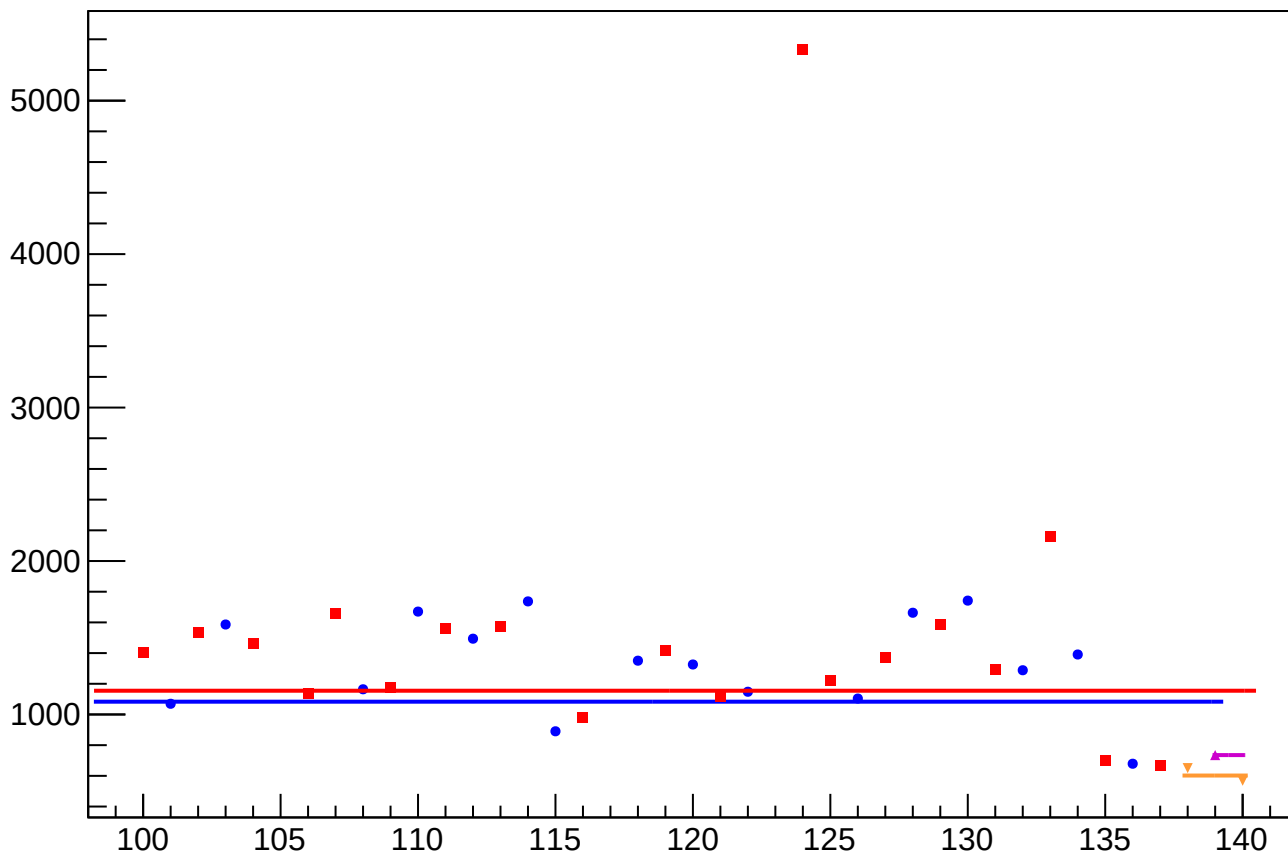
Left In: 1166.597+/-800.680 χ^2/NDF : 0.0/0

+ sign 660.517+/-317.299 χ^2/NDF : 24.0/17

All: 692.650+/-246.326 χ^2/NDF : 41.5/37

- sign 741.391+/-390.785 χ^2/NDF : 17.5/19

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: 602.065+/-0.337 χ^2 /NDF:14404.4/1

Right Out: 1154.724+/-0.317 χ^2 /NDF: 1488304.5/18

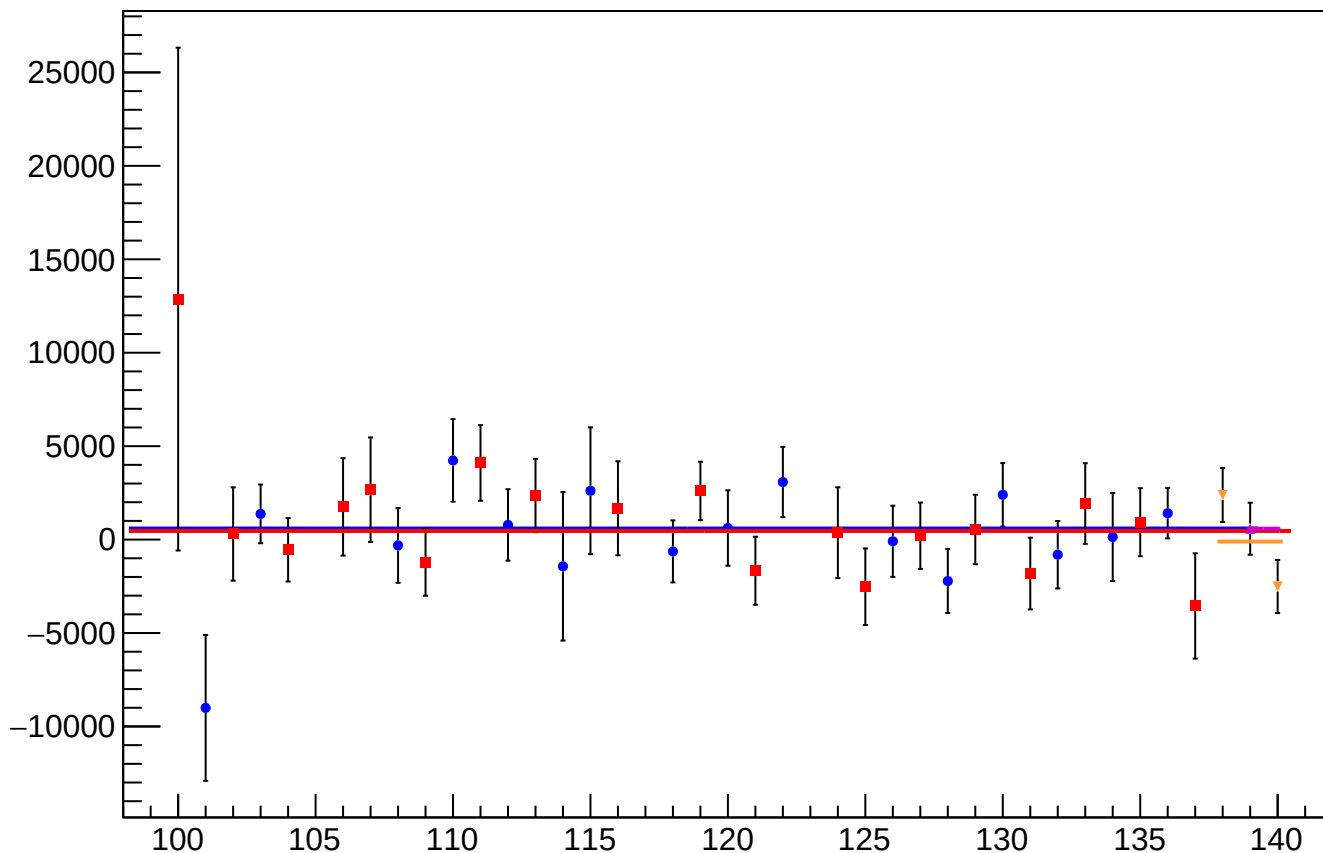
Left In: 735.334+/-0.566 χ^2 /NDF:0.0/0

+ sign 870.044+/-0.224 χ^2 /NDF: 2510000.7/17

All: 943.461+/-0.174 χ^2 /NDF: 4685798.6/37

- sign 1054.822+/-0.276 χ^2 /NDF: 1906311.6/19

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF : 17.1/15

Left Out: -105.078+/-1012.604 χ^2/NDF : 5.8/1

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

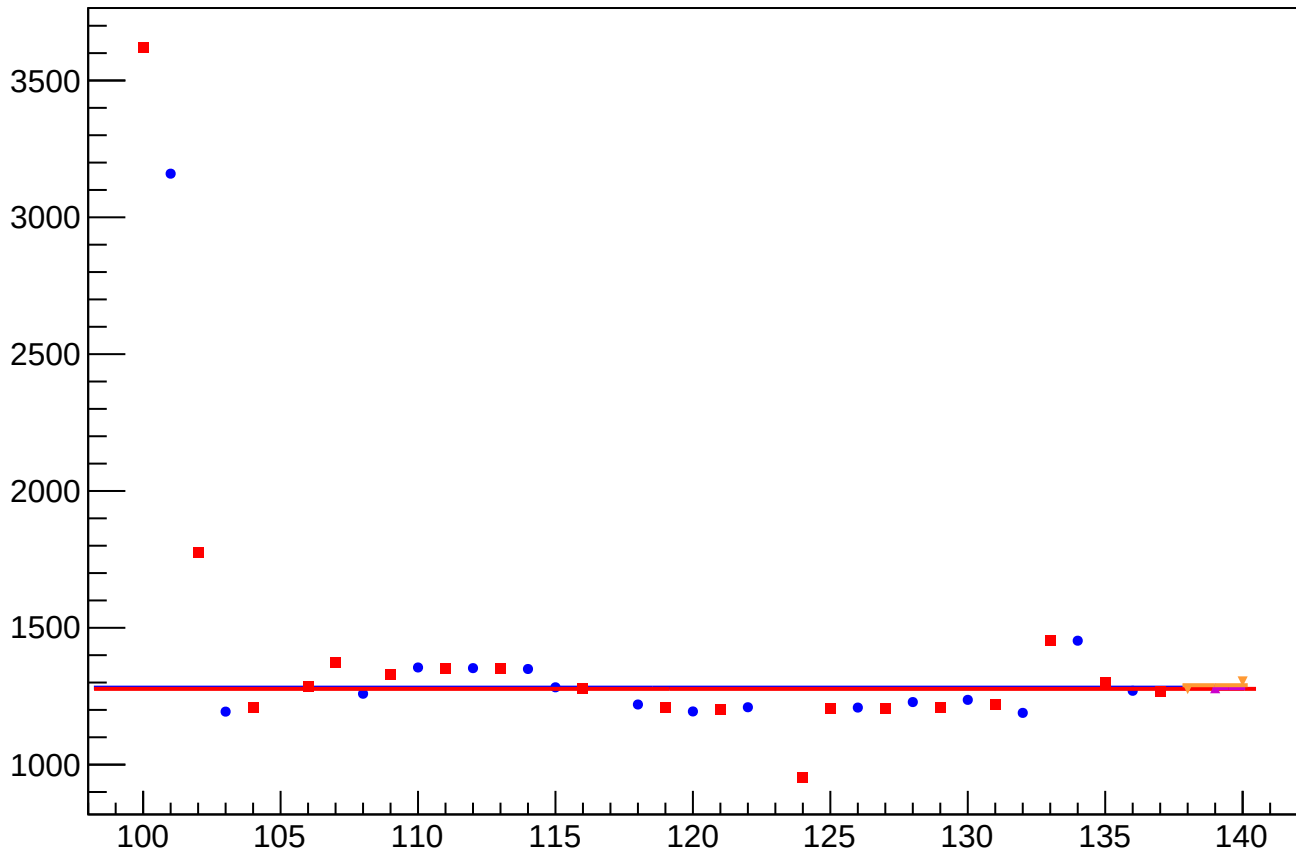
Left In: 582.327+/-1390.514 χ^2/NDF : 0.0/0

+ sign 460.352+/-437.769 χ^2/NDF : 23.3/17

All: 467.555+/-314.129 χ^2/NDF : 40.0/37

- sign 475.200+/-451.018 χ^2/NDF : 16.7/19

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369 $\pm$ 0.343 χ^2 /NDF: 507078.6/15

Left Out: 1290.238 $\pm$ 0.716 χ^2 /NDF:387.0/1

Right Out: 1276.860 $\pm$ 0.337 χ^2 /NDF: 220513.5/18

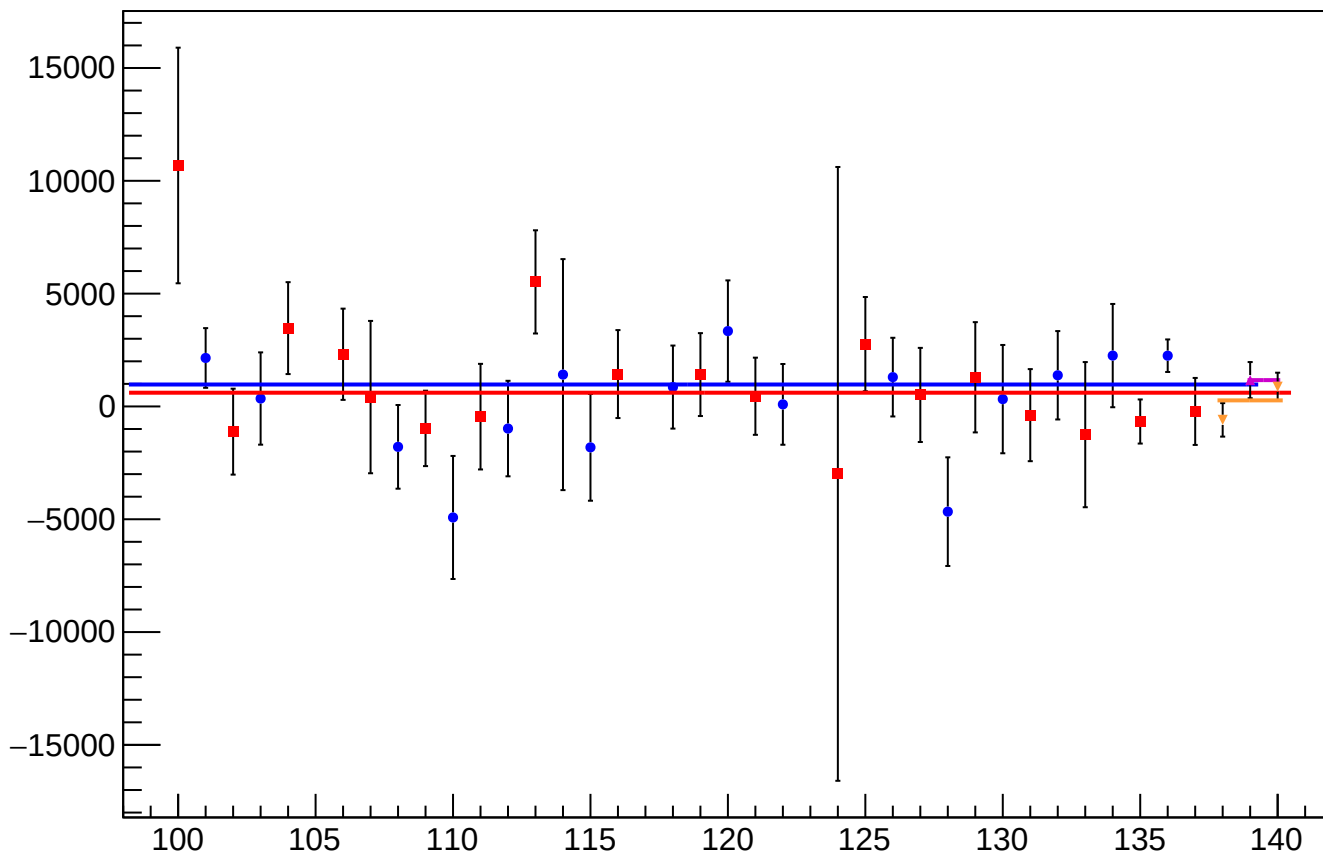
Left In: 1279.254 $\pm$ 0.983 χ^2 /NDF:0.0/0

+ sign 1283.026 $\pm$ 0.310 χ^2 /NDF: 507590.3/17

All: 1280.157 $\pm$ 0.222 χ^2 /NDF: 728286.2/37

- sign 1277.112 $\pm$ 0.319 χ^2 /NDF: 220518.8/19

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 972.281+/-425.220 χ^2/NDF : 20.4/15

Left Out: 268.810+/-476.631 χ^2/NDF : 2.3/1

Right Out: 608.441+/-447.736 χ^2/NDF : 17.1/18

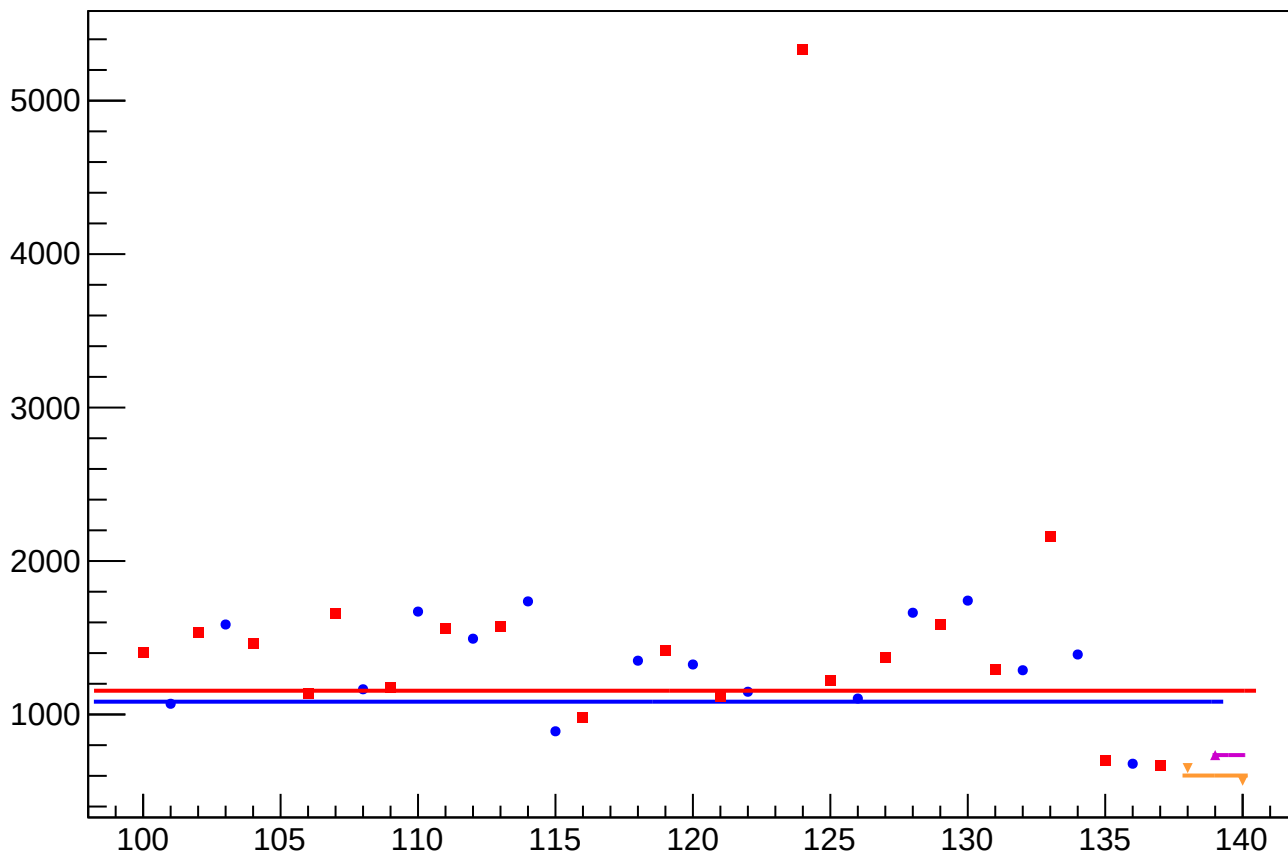
Left In: 1166.613+/-800.693 χ^2/NDF : 0.0/0

+ sign 660.518+/-317.301 χ^2/NDF : 24.0/17

All: 692.654+/-246.328 χ^2/NDF : 41.5/37

- sign 741.400+/-390.788 χ^2/NDF : 17.5/19

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1083.341+/-0.301 χ^2/NDF : 1360095.7/15

Left Out: 602.071+/-0.337 χ^2/NDF : 14407.5/1

Right Out: 1154.732+/-0.317 χ^2/NDF : 1488251.4/18

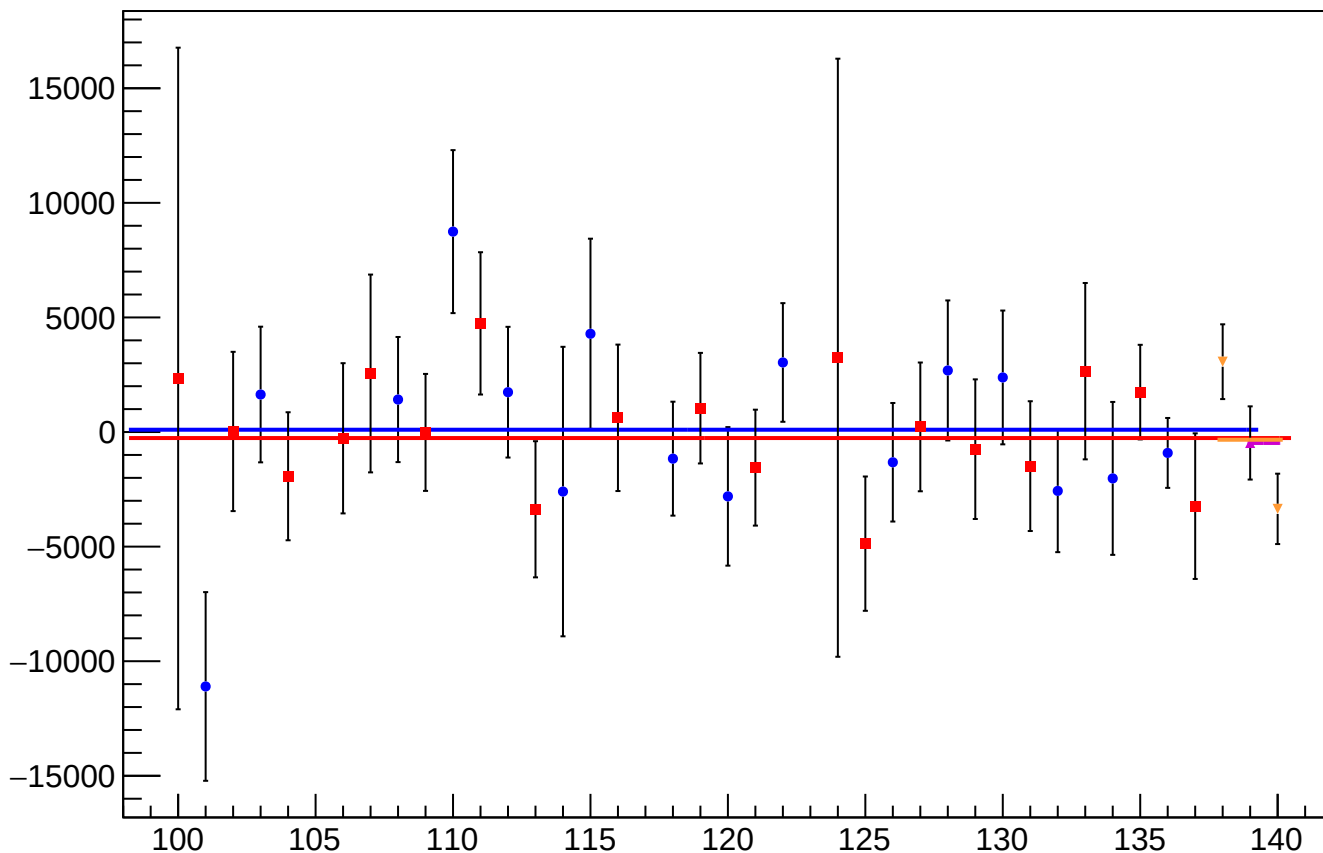
Left In: 735.346+/-0.566 χ^2/NDF : 0.0/0

+ sign 870.052+/-0.224 χ^2/NDF : 2509930.0/17

All: 943.470+/-0.174 χ^2/NDF : 4685657.0/37

- sign 1054.832+/-0.276 χ^2/NDF : 1906237.8/19

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451 $\pm$ 698.983 χ^2 /NDF: 21.3/15

Left Out: -336.732 $\pm$ 1118.070 χ^2 /NDF:8.2/1

Right Out: -262.731 $\pm$ 699.724 χ^2 /NDF: 10.3/18

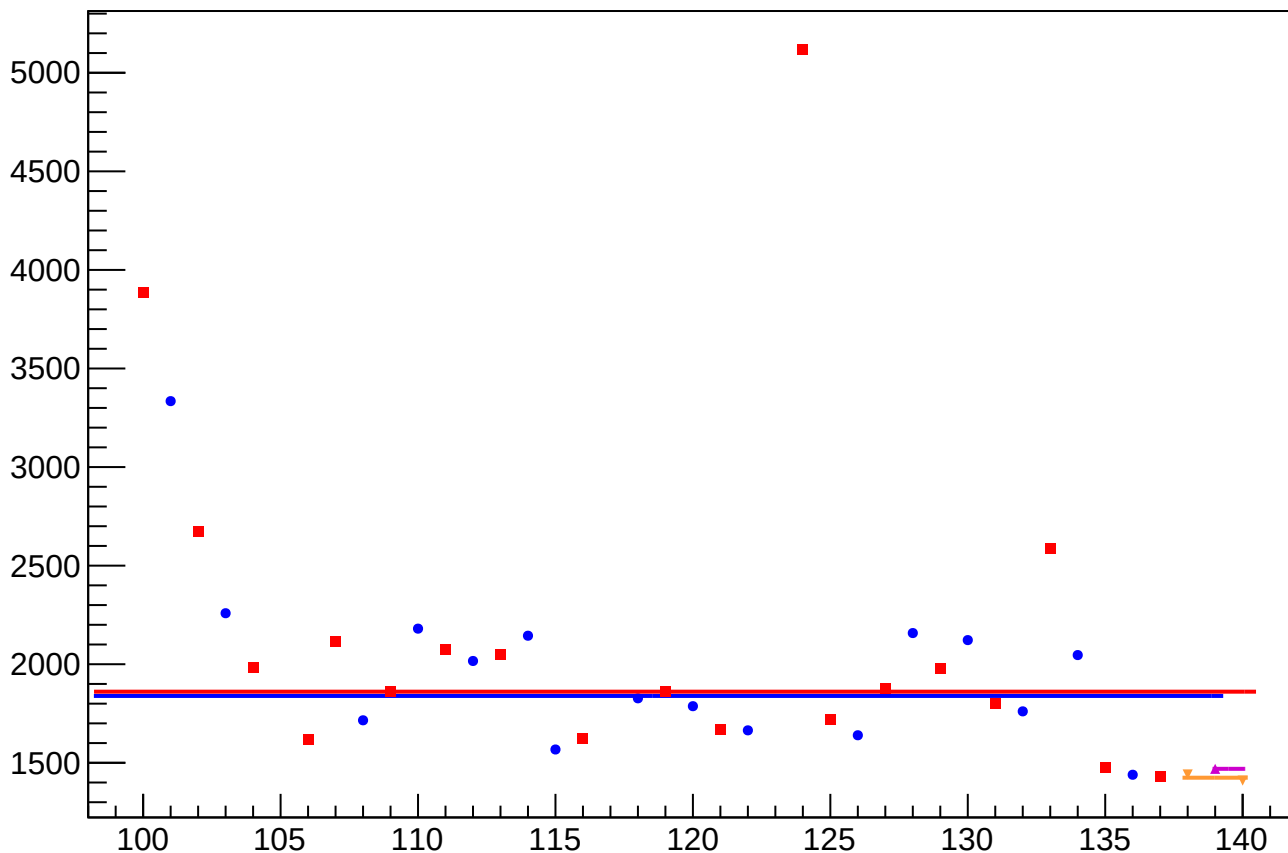
Left In: -476.945 $\pm$ 1597.265 χ^2 /NDF:0.0/0

+ sign -22.401 $\pm$ 592.691 χ^2 /NDF: 29.6/17

All: -149.083 $\pm$ 435.149 χ^2 /NDF: 40.1/37

- sign -297.222 $\pm$ 640.922 χ^2 /NDF: 10.3/19

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF : 385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

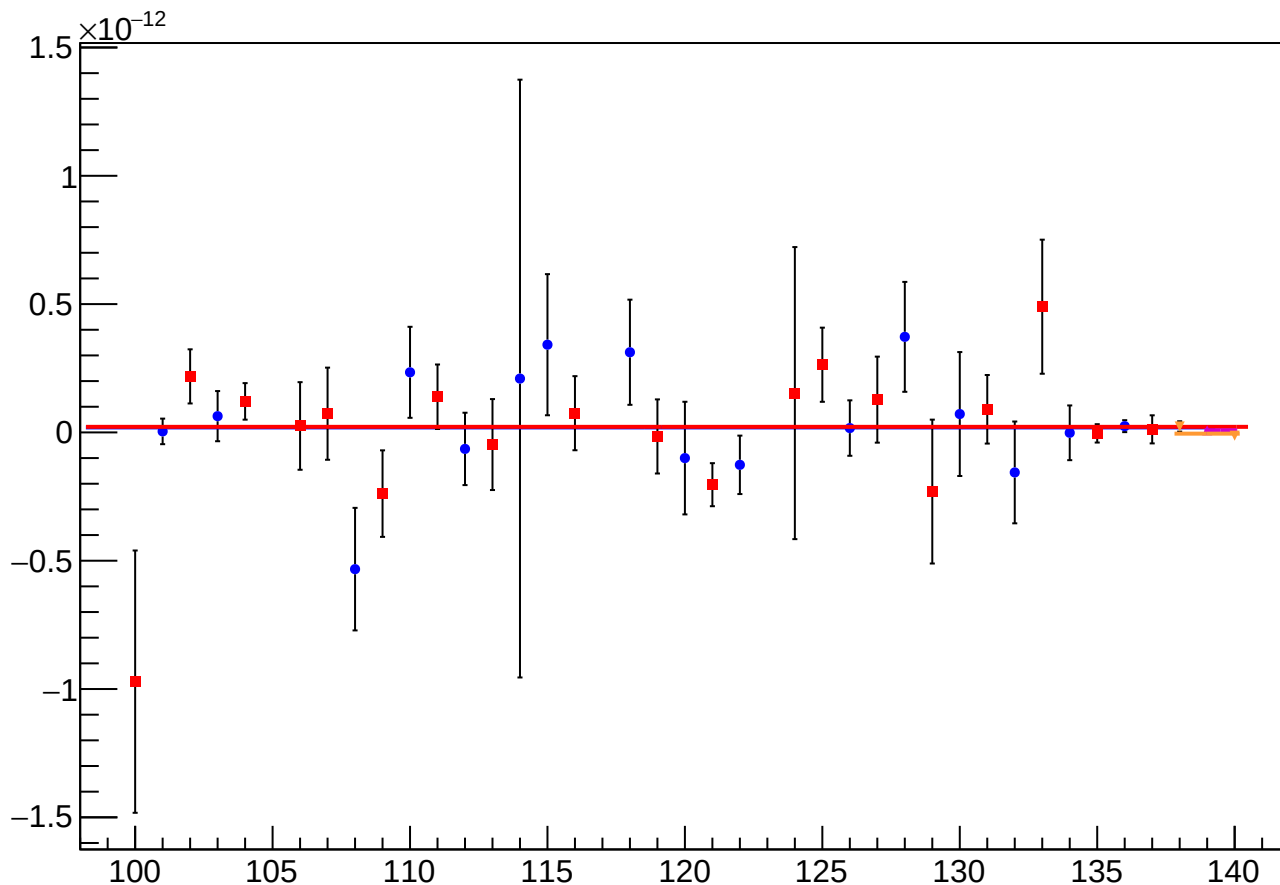
Left In: 1469.404+/-1.129 χ^2/NDF : 0.0/0

+ sign 1722.567+/-0.419 χ^2/NDF : 754979.0/17

All: 1757.221+/-0.308 χ^2/NDF : 1392656.7/37

- sign 1797.743+/-0.453 χ^2/NDF : 622845.5/19

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF : 2.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 28.2/18

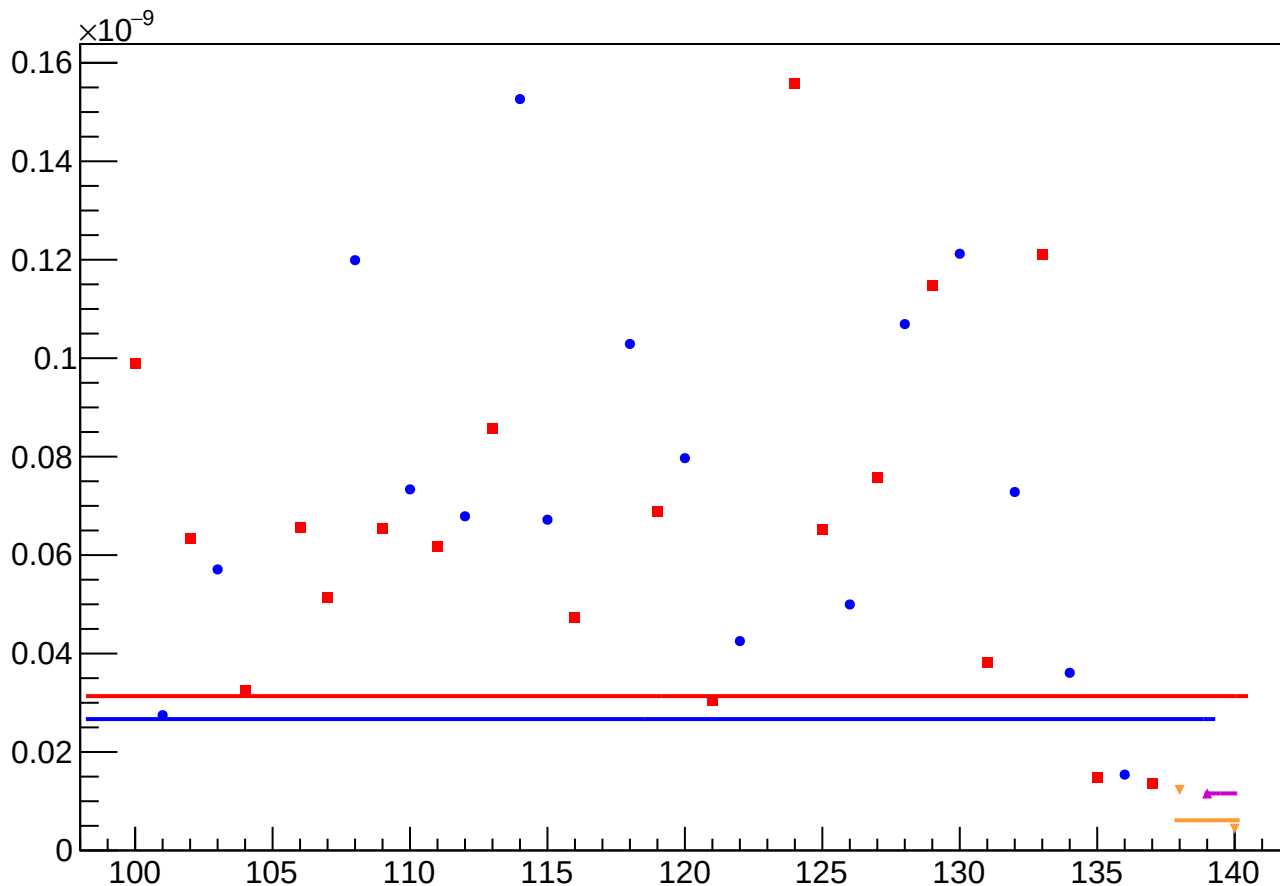
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 20.3/17

All: 0.000+/-0.000 χ^2/NDF : 49.4/37

- sign 0.000+/-0.000 χ^2/NDF : 28.4/19

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 237810.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2275167.3/18

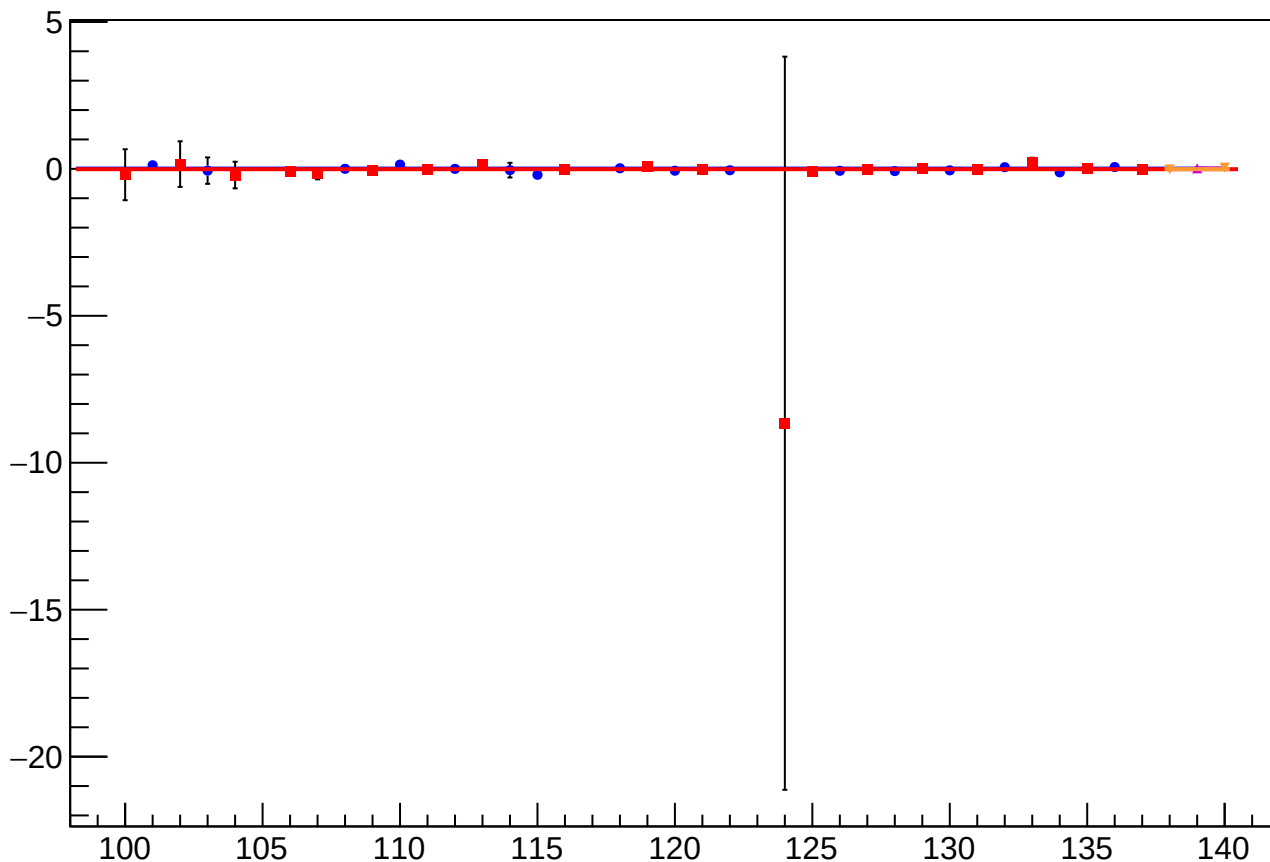
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4726652.2/17

All: 0.000+/-0.000 χ^2/NDF : 8574144.3/37

- sign 0.000+/-0.000 χ^2/NDF : 3196773.8/19

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: -0.009 ± 0.025 χ^2/NDF : 1.0/1

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

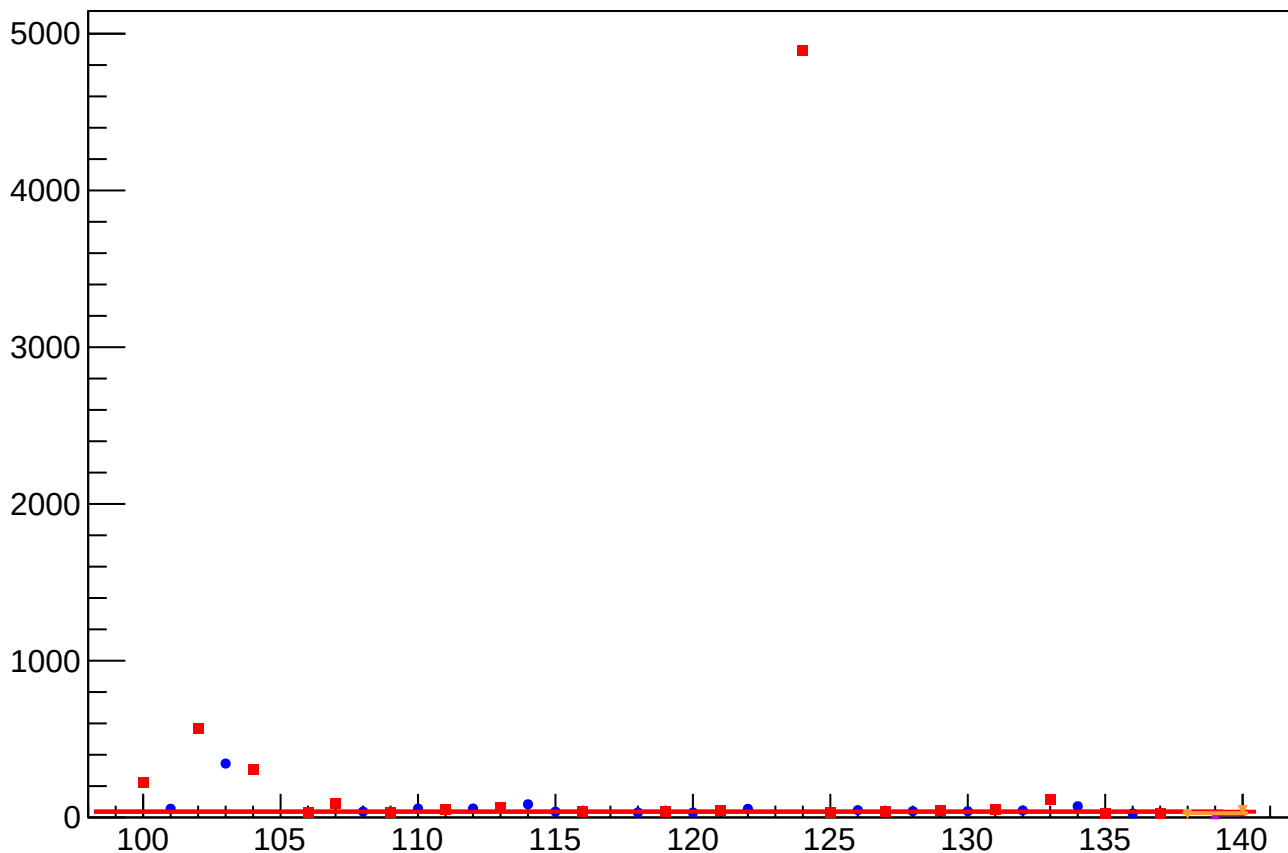
Left In: 0.018 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.000 ± 0.010 χ^2/NDF : 34.3/37

- sign -0.004 ± 0.014 χ^2/NDF : 13.5/19

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: 27.541+/-0.018 χ^2/NDF : 337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

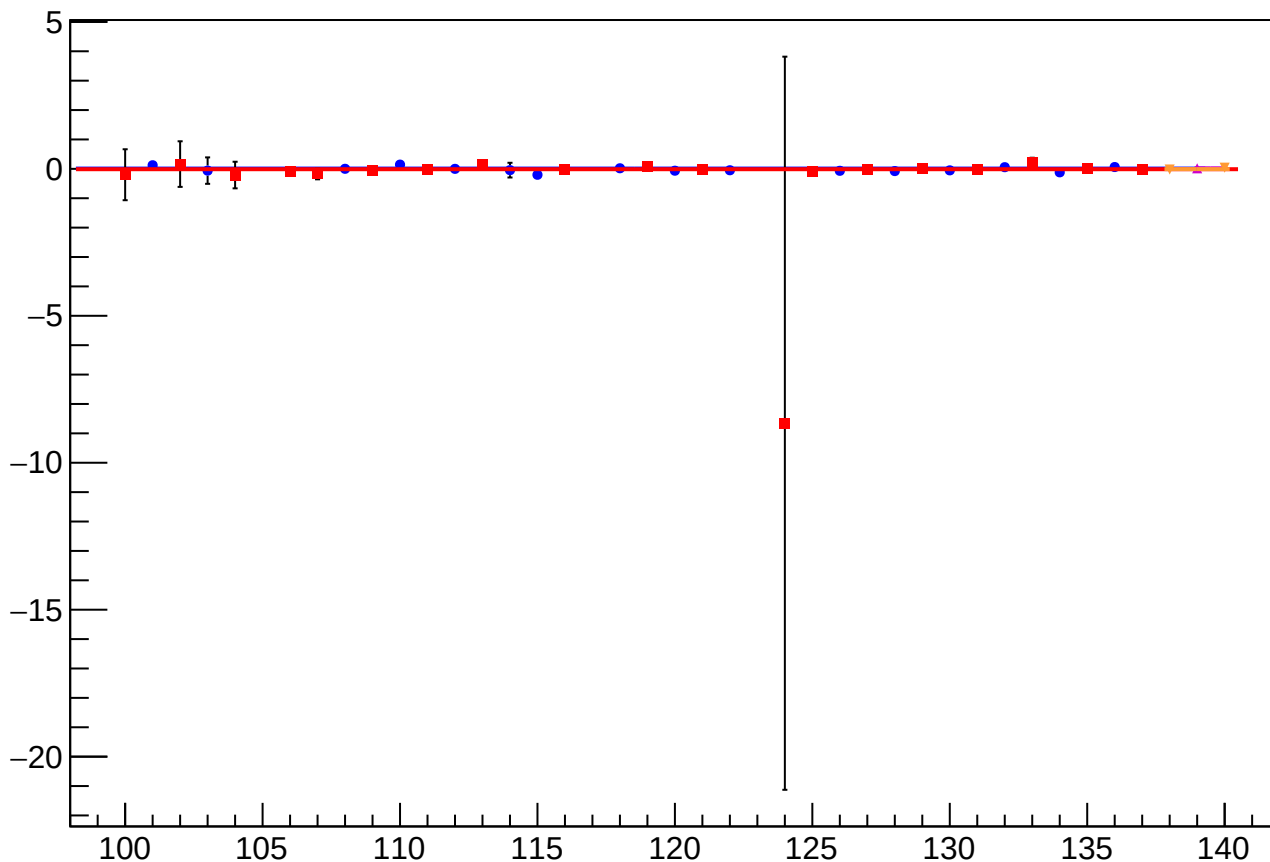
Left In: 20.394+/-0.019 χ^2/NDF : 0.0/0

+ sign 34.622+/-0.010 χ^2/NDF : 2542079.3/17

All: 33.529+/-0.007 χ^2/NDF : 6285847.9/37

- sign 32.332+/-0.010 χ^2/NDF : 3716555.2/19

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: -0.009 ± 0.025 χ^2/NDF : 1.0/1

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

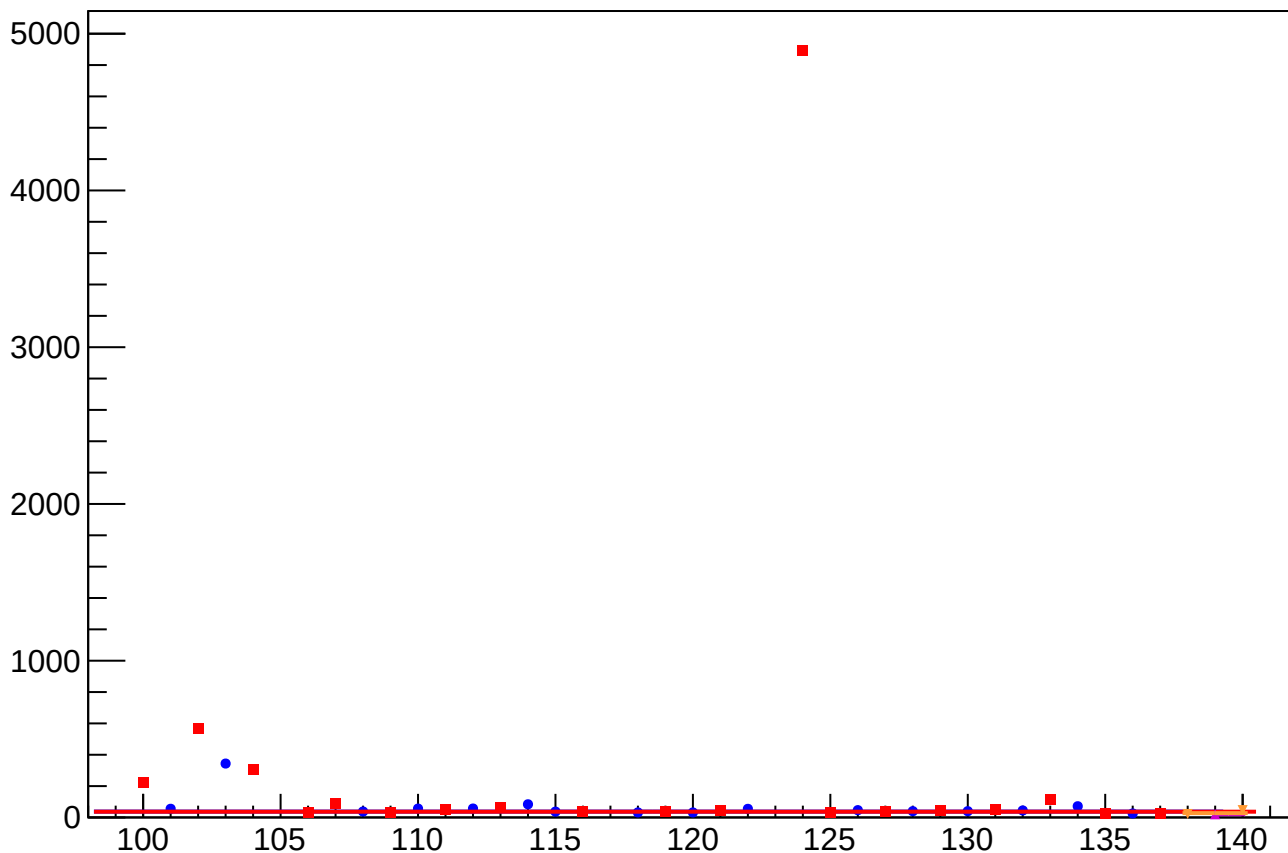
Left In: 0.018 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.000 ± 0.010 χ^2/NDF : 34.3/37

- sign -0.004 ± 0.014 χ^2/NDF : 13.5/19

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF : 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF : 337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

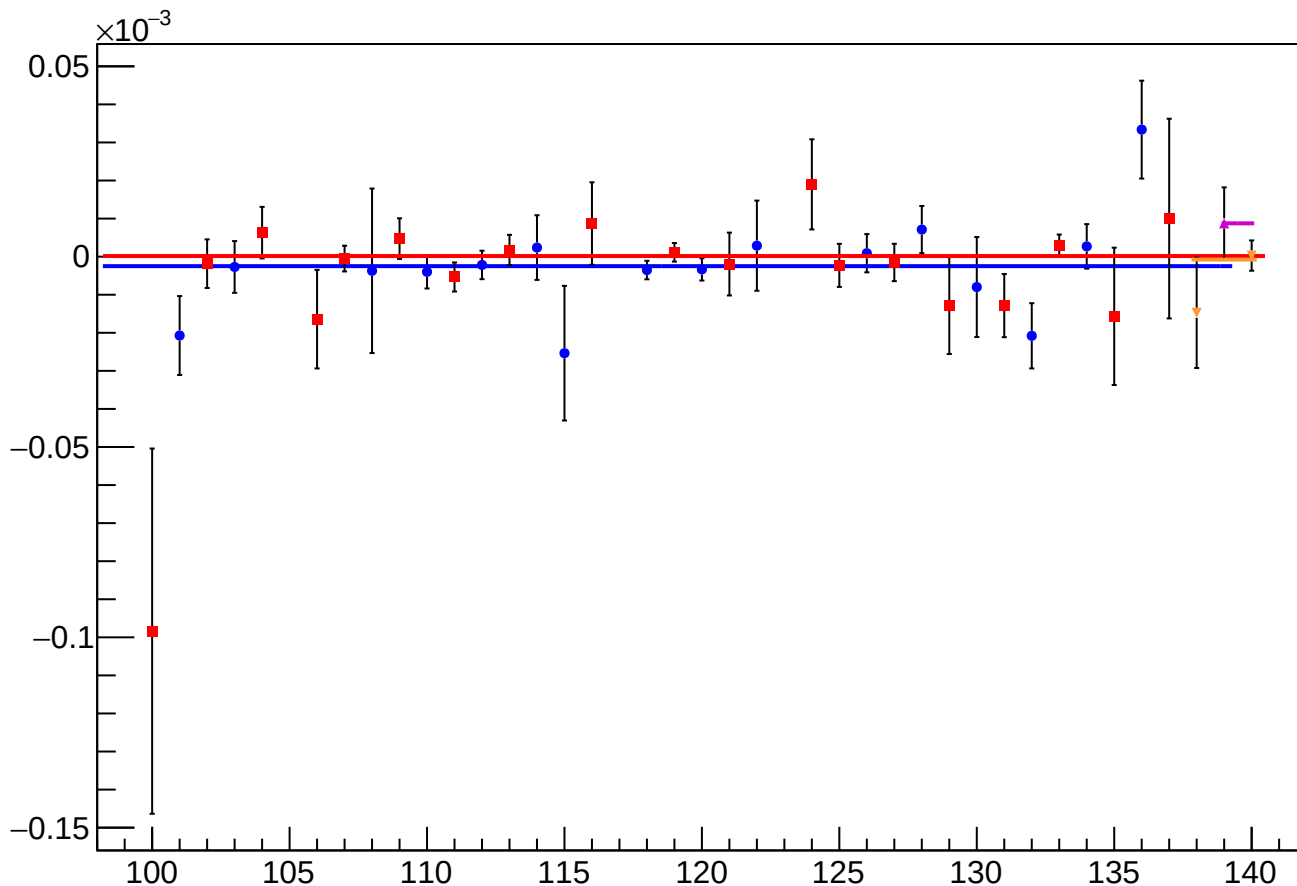
Left In: 20.394+/-0.019 χ^2/NDF : 0.0/0

+ sign 34.622+/-0.010 χ^2/NDF : 2542079.3/17

All: 33.529+/-0.007 χ^2/NDF : 6285847.9/37

- sign 32.332+/-0.010 χ^2/NDF : 3716555.2/19

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/18

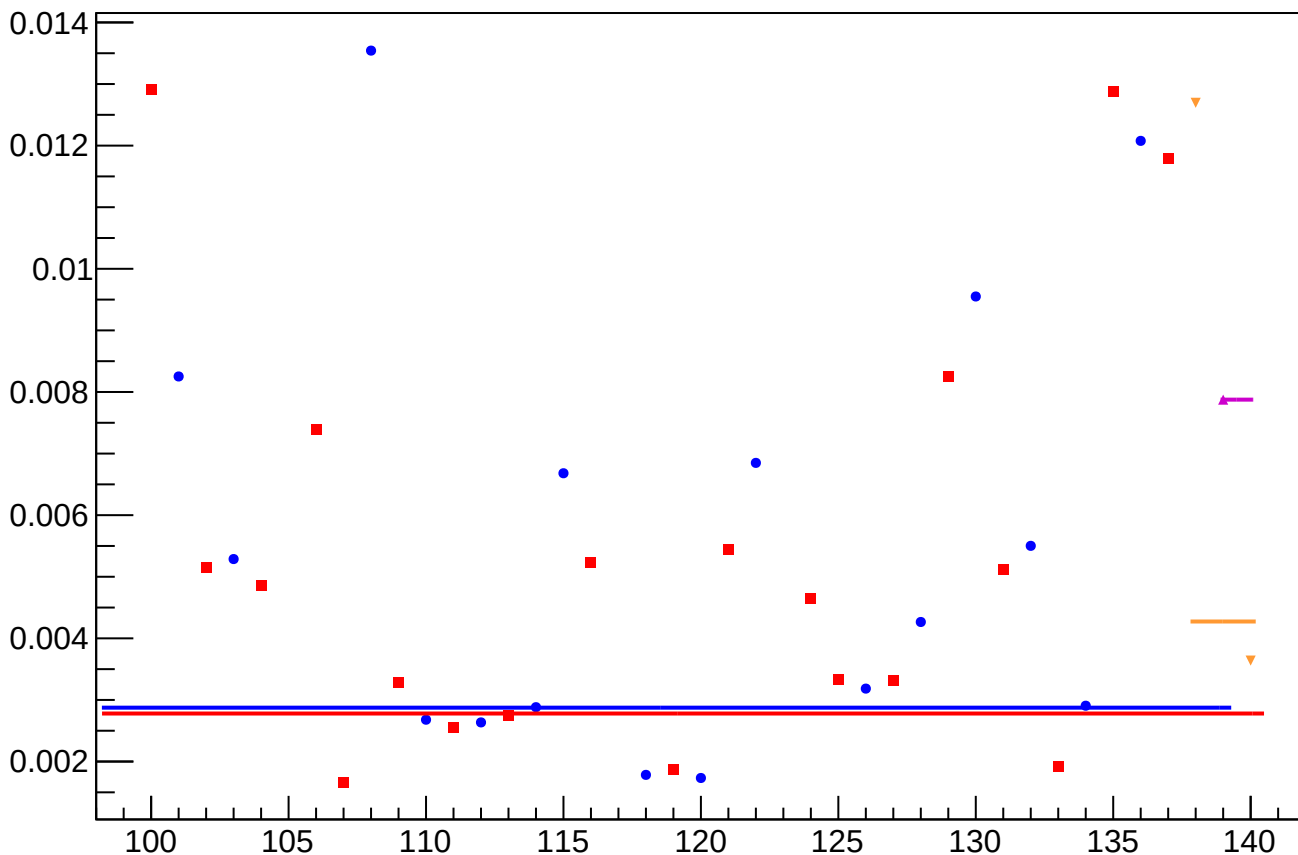
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/19

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF : 726251.8/1

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

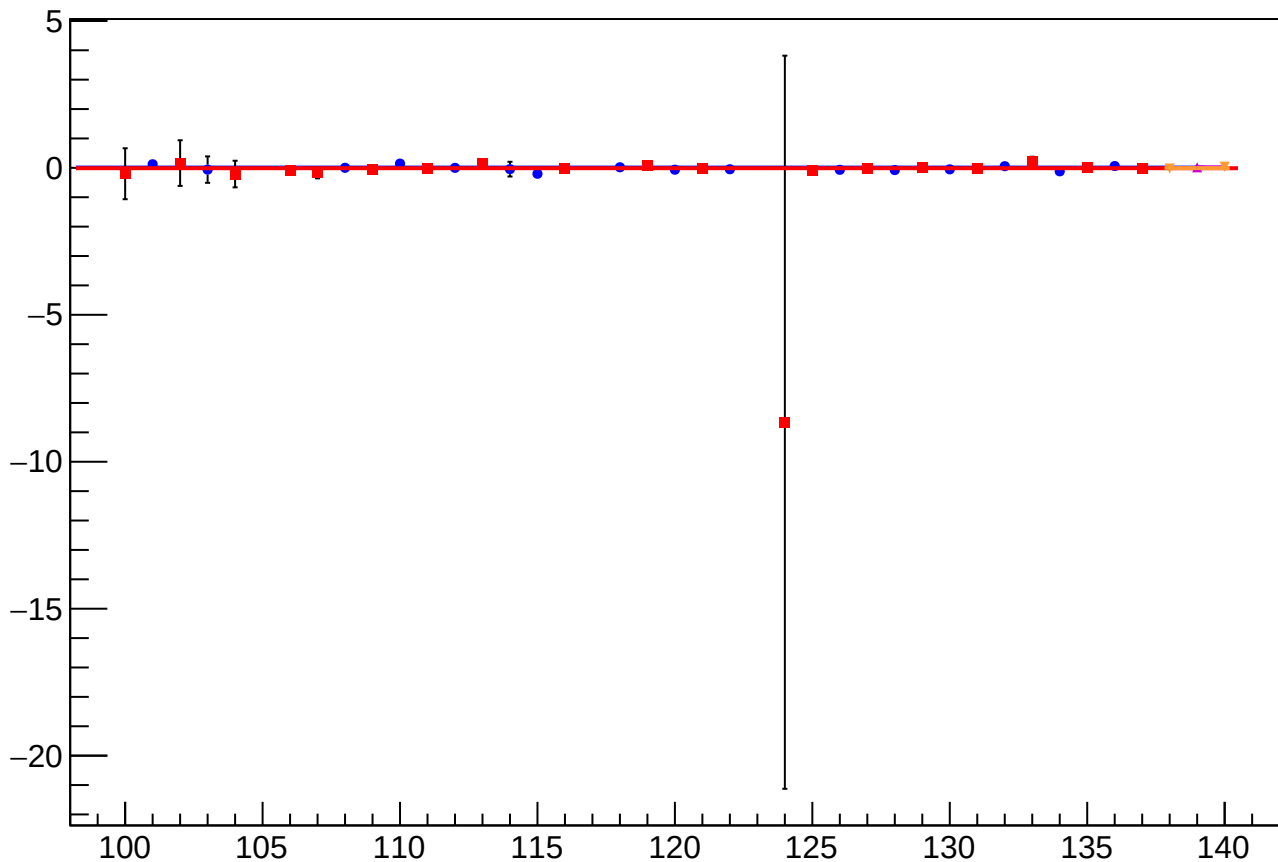
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 5116632.6/17

All: 0.003+/-0.000 χ^2/NDF : 9018250.6/37

- sign 0.003+/-0.000 χ^2/NDF : 3883213.8/19

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.009 $\pm$ 0.025 χ^2 /NDF: 1.0/1

Right Out: -0.013 $\pm$ 0.017 χ^2 /NDF: 12.6/18

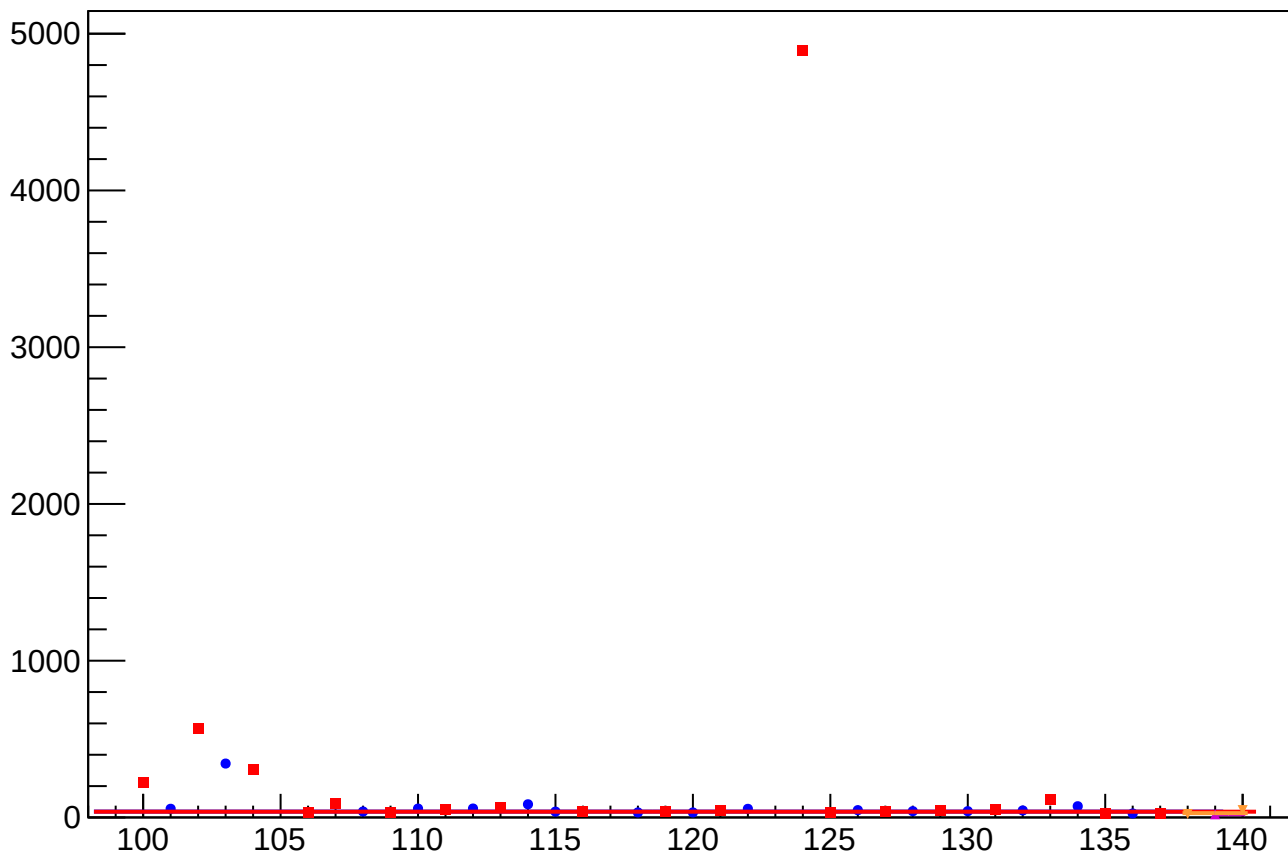
Left In: 0.018 $\pm$ 0.027 χ^2 /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.014 χ^2 /NDF: 20.6/17

All: -0.000 $\pm$ 0.010 χ^2 /NDF: 34.3/37

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 13.5/19

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 27.536 $\pm$ 0.018 χ^2 /NDF: 337799.5/1

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

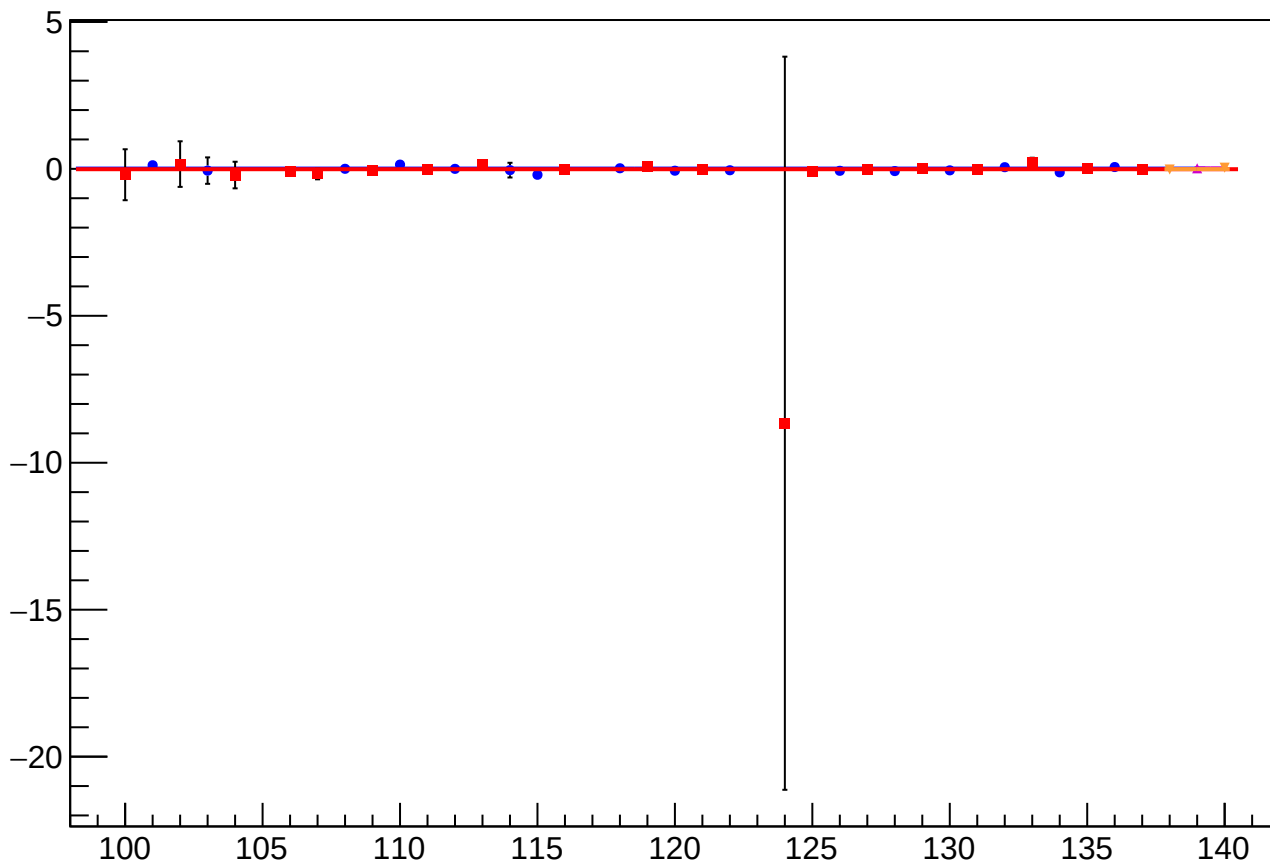
Left In: 20.403 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 34.620 $\pm$ 0.010 χ^2 /NDF: 2542446.2/17

All: 33.531 $\pm$ 0.007 χ^2 /NDF: 6285072.2/37

- sign 32.337 $\pm$ 0.010 χ^2 /NDF: 3715568.8/19

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.009 $\pm$ 0.025 χ^2 /NDF: 1.0/1

Right Out: -0.013 $\pm$ 0.017 χ^2 /NDF: 12.6/18

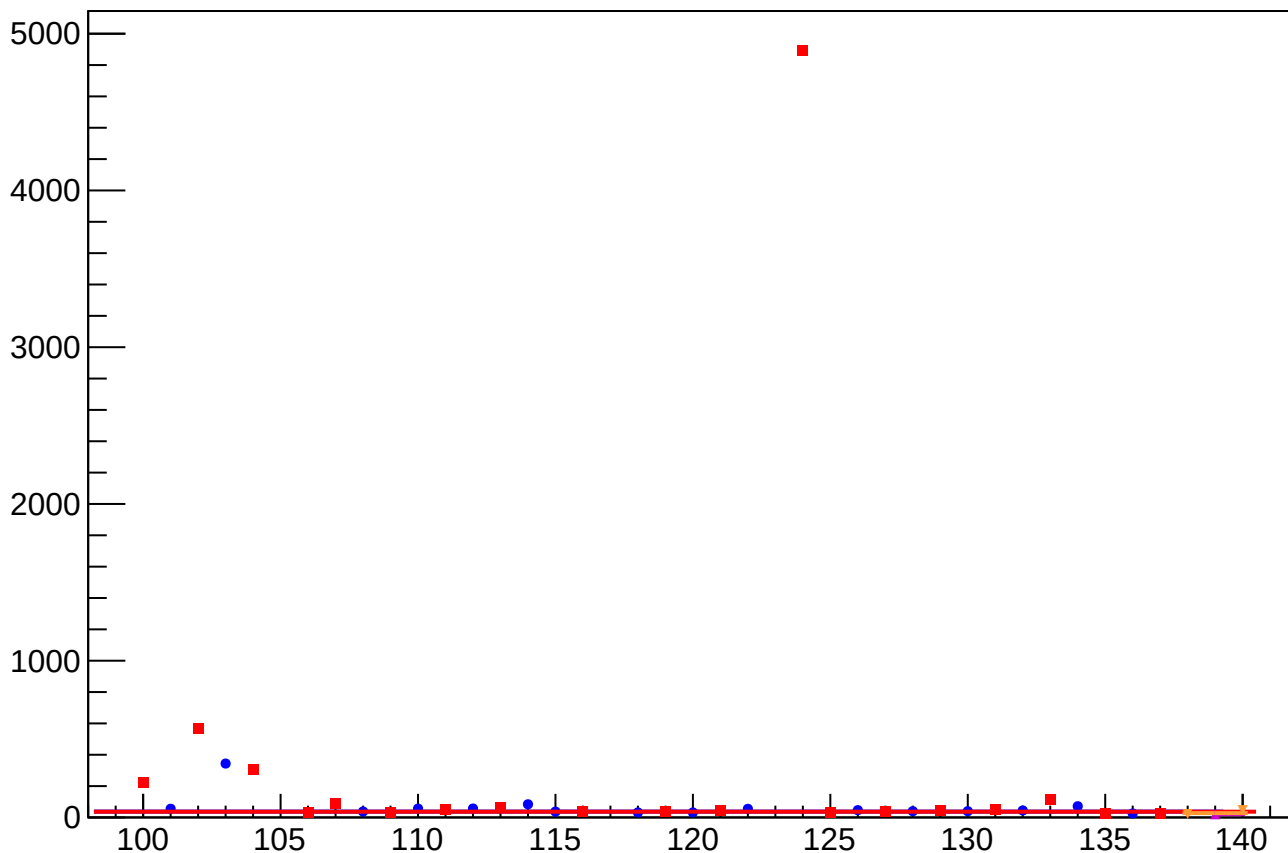
Left In: 0.018 $\pm$ 0.027 χ^2 /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.014 χ^2 /NDF: 20.6/17

All: -0.000 $\pm$ 0.010 χ^2 /NDF: 34.3/37

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 13.5/19

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 27.536 $\pm$ 0.018 χ^2 /NDF: 337799.5/1

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

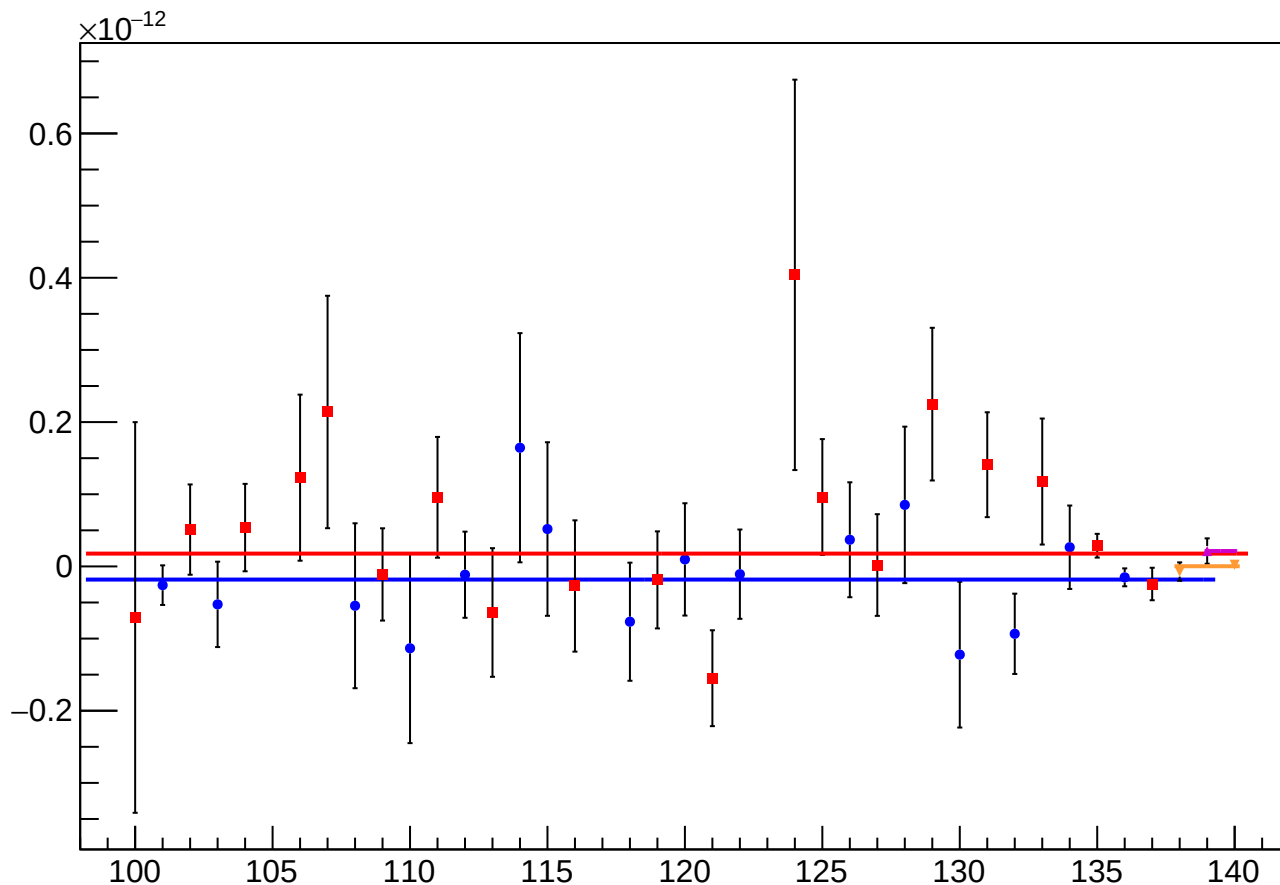
Left In: 20.403 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 34.620 $\pm$ 0.010 χ^2 /NDF: 2542446.2/17

All: 33.531 $\pm$ 0.007 χ^2 /NDF: 6285072.2/37

- sign 32.337 $\pm$ 0.010 χ^2 /NDF: 3715568.8/19

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/18

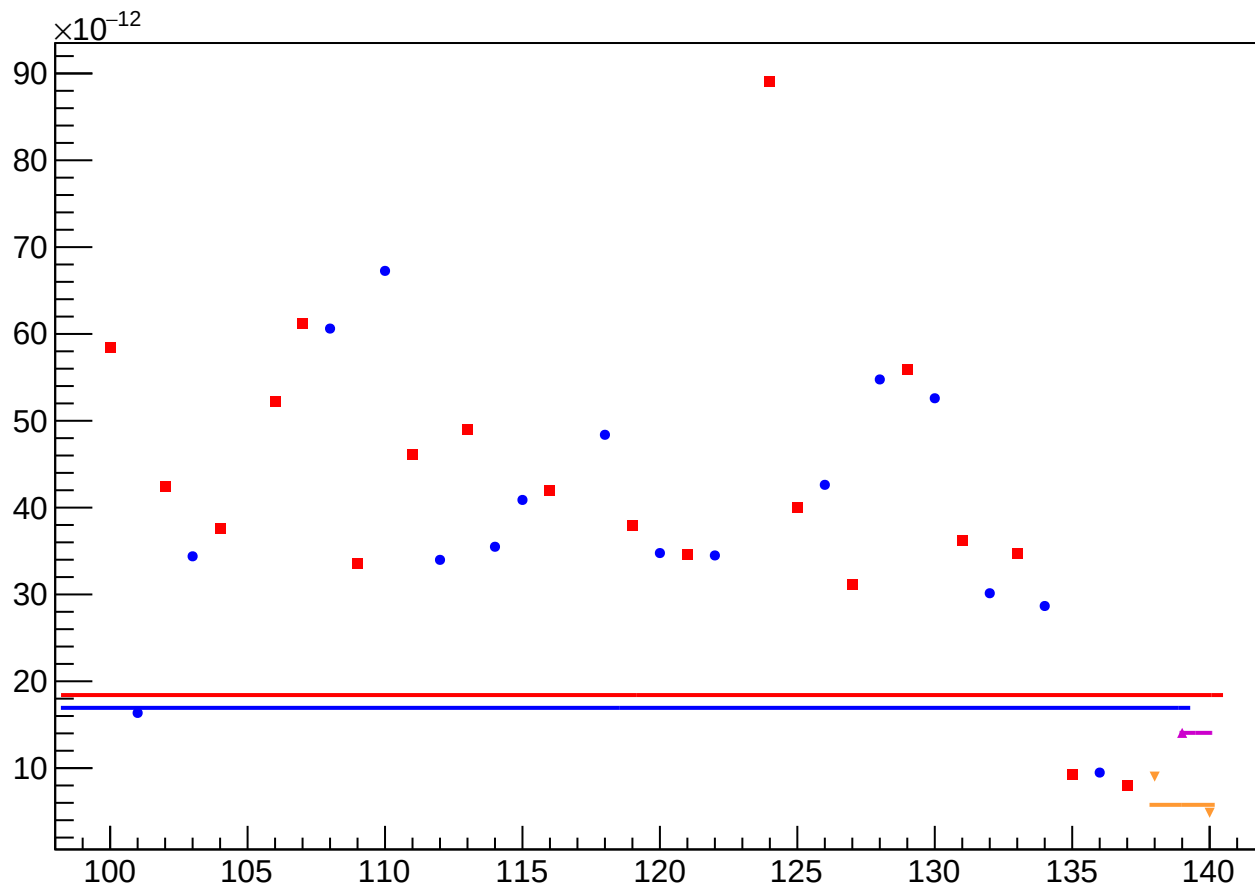
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 11.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/19

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 166621.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3674861.8/18

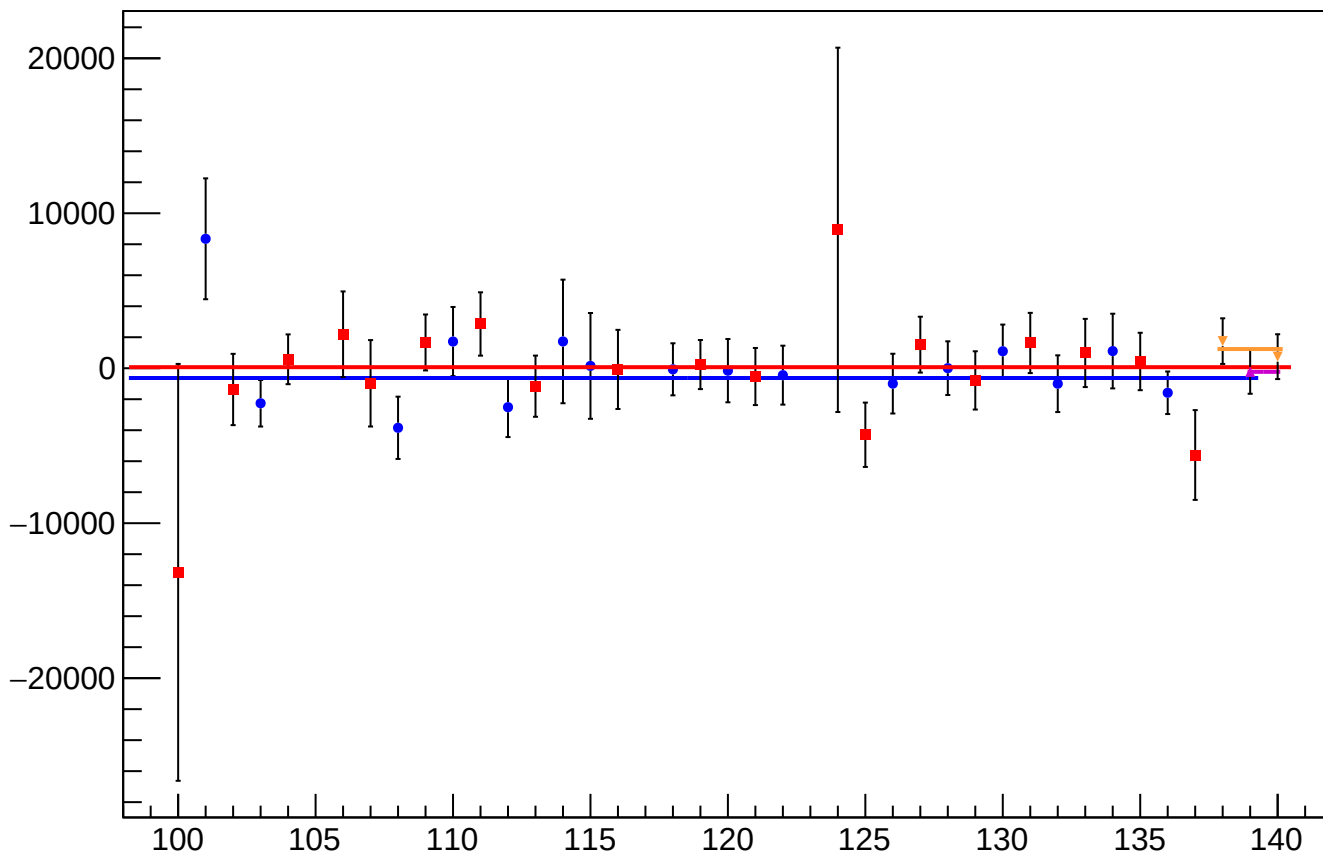
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5237835.6/17

All: 0.000+/-0.000 χ^2/NDF : 10254248.1/37

- sign 0.000+/-0.000 χ^2/NDF : 3762773.1/19

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

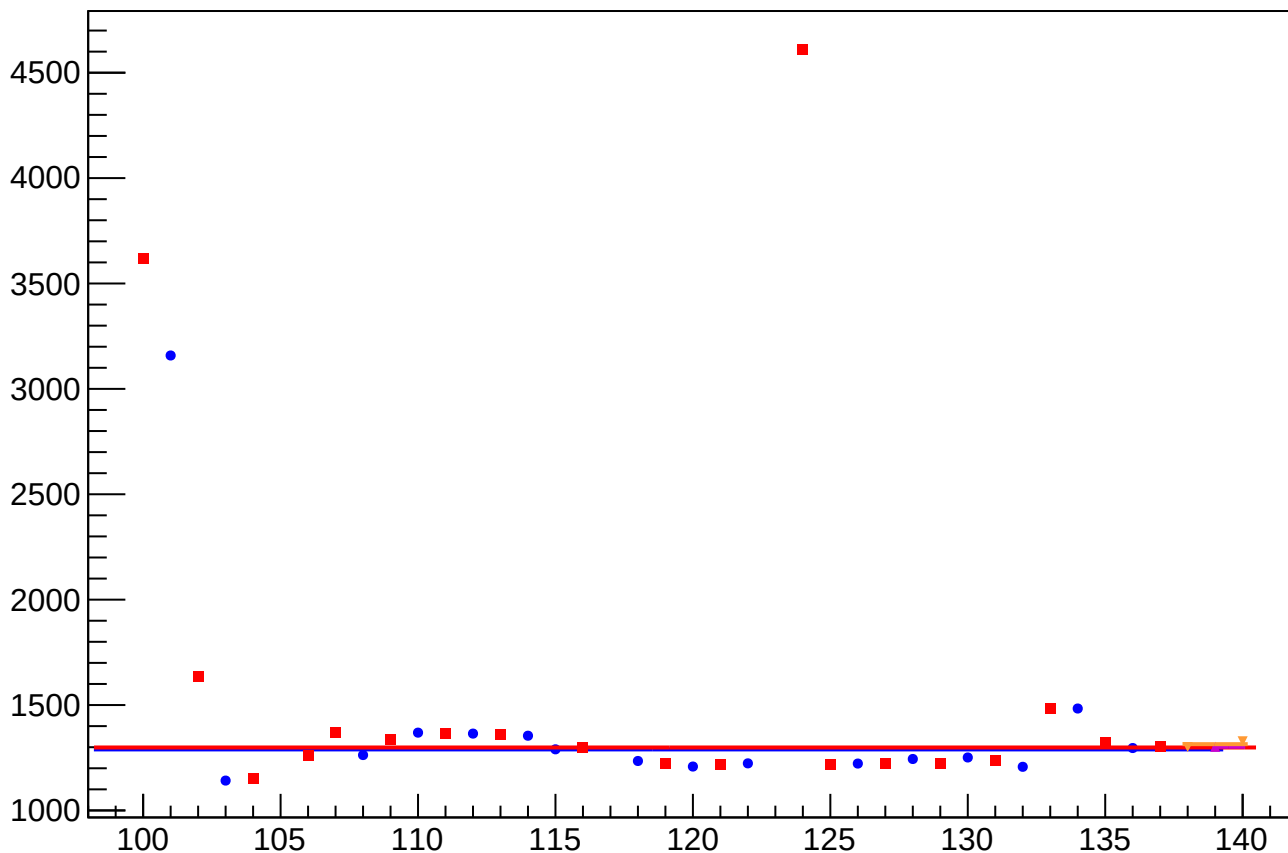
Left In: -233.052+/-1415.193 χ^2/NDF : 0.0/0

+ sign -288.393+/-441.622 χ^2/NDF : 16.8/17

All: -133.343+/-318.951 χ^2/NDF : 33.0/37

- sign 35.715+/-461.139 χ^2/NDF : 15.9/19

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF : 319374.9/18

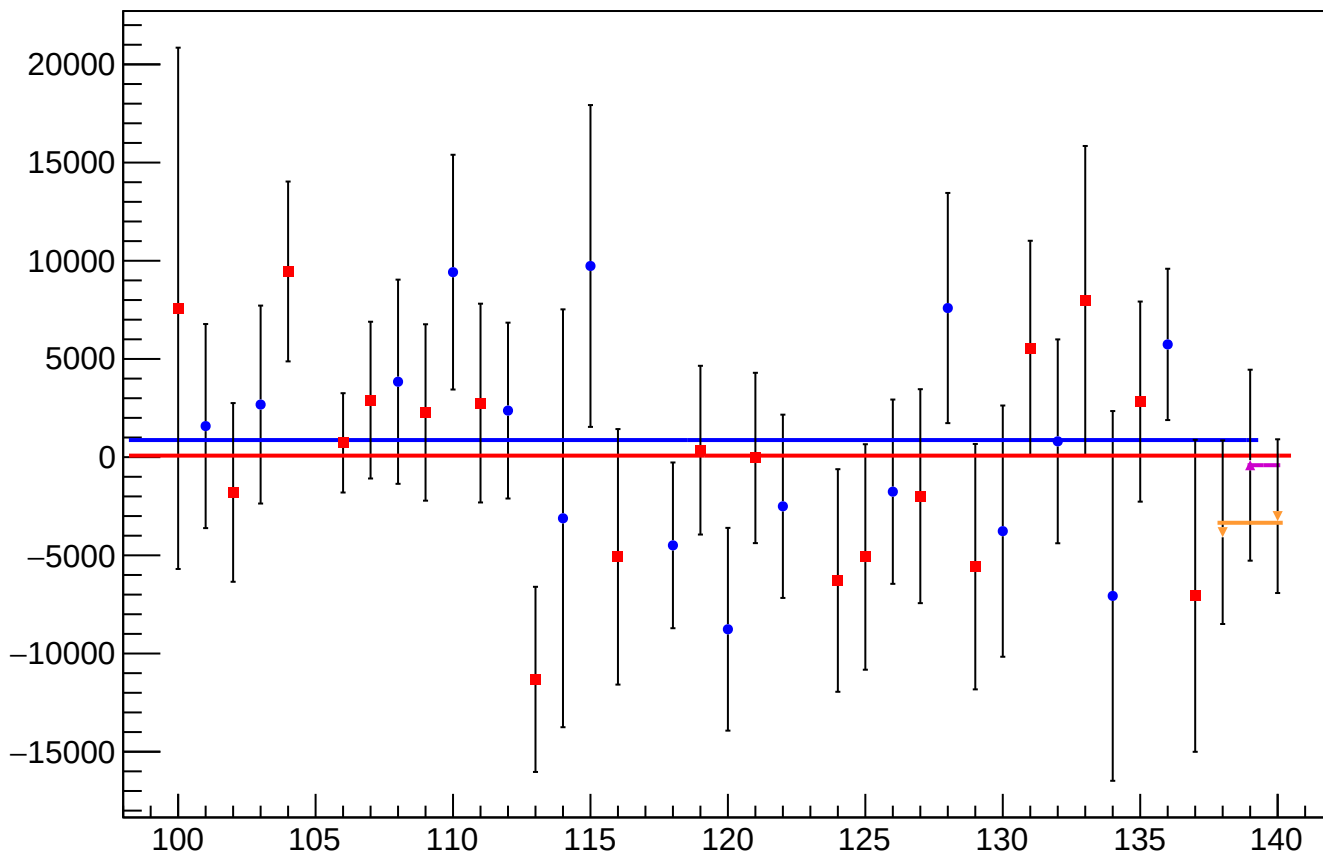
Left In: 1301.933+/-1.001 χ^2/NDF : 0.0/0

+ sign 1294.033+/-0.312 χ^2/NDF : 515981.5/17

All: 1296.416+/-0.225 χ^2/NDF : 835487.4/37

- sign 1299.002+/-0.325 χ^2/NDF : 319384.4/19

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



Right In: 870.295 $\pm$ 1325.278 χ^2 /NDF: 14.0/15

Left Out: -3341.980 $\pm$ 3000.918 χ^2 /NDF: 0.0/1

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

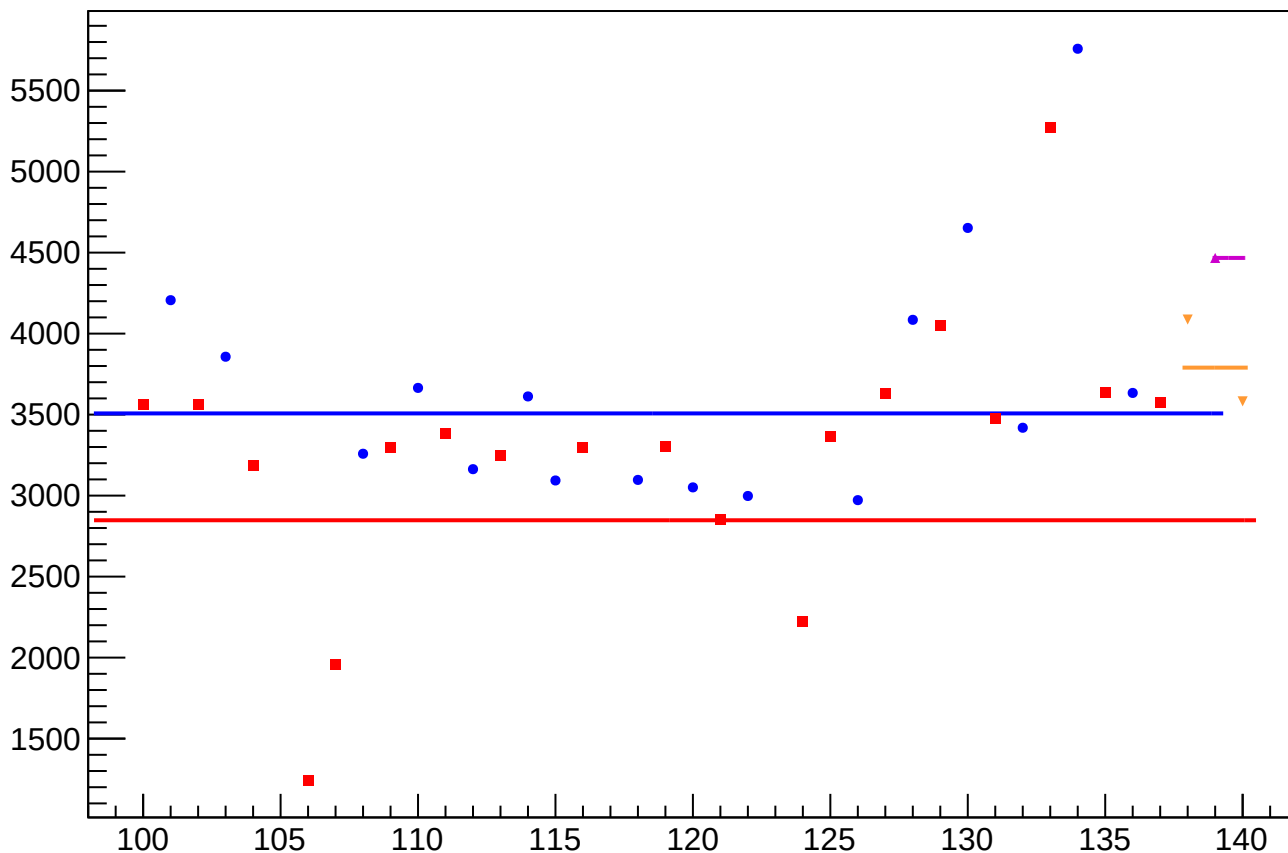
Left In: -410.082 $\pm$ 4862.047 χ^2 /NDF: 0.0/0

+ sign 182.842 $\pm$ 1212.320 χ^2 /NDF: 15.7/17

All: 110.712 $\pm$ 807.724 χ^2 /NDF: 34.1/37

- sign 53.134 $\pm$ 1083.152 χ^2 /NDF: 18.4/19

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3507.397 $\pm$ 0.937 χ^2/NDF : 353979.1/15

Left Out: 3790.009 $\pm$ 2.122 χ^2/NDF : 13720.0/1

Right Out: 2847.833 $\pm$ 0.786 χ^2/NDF : 1499373.6/18

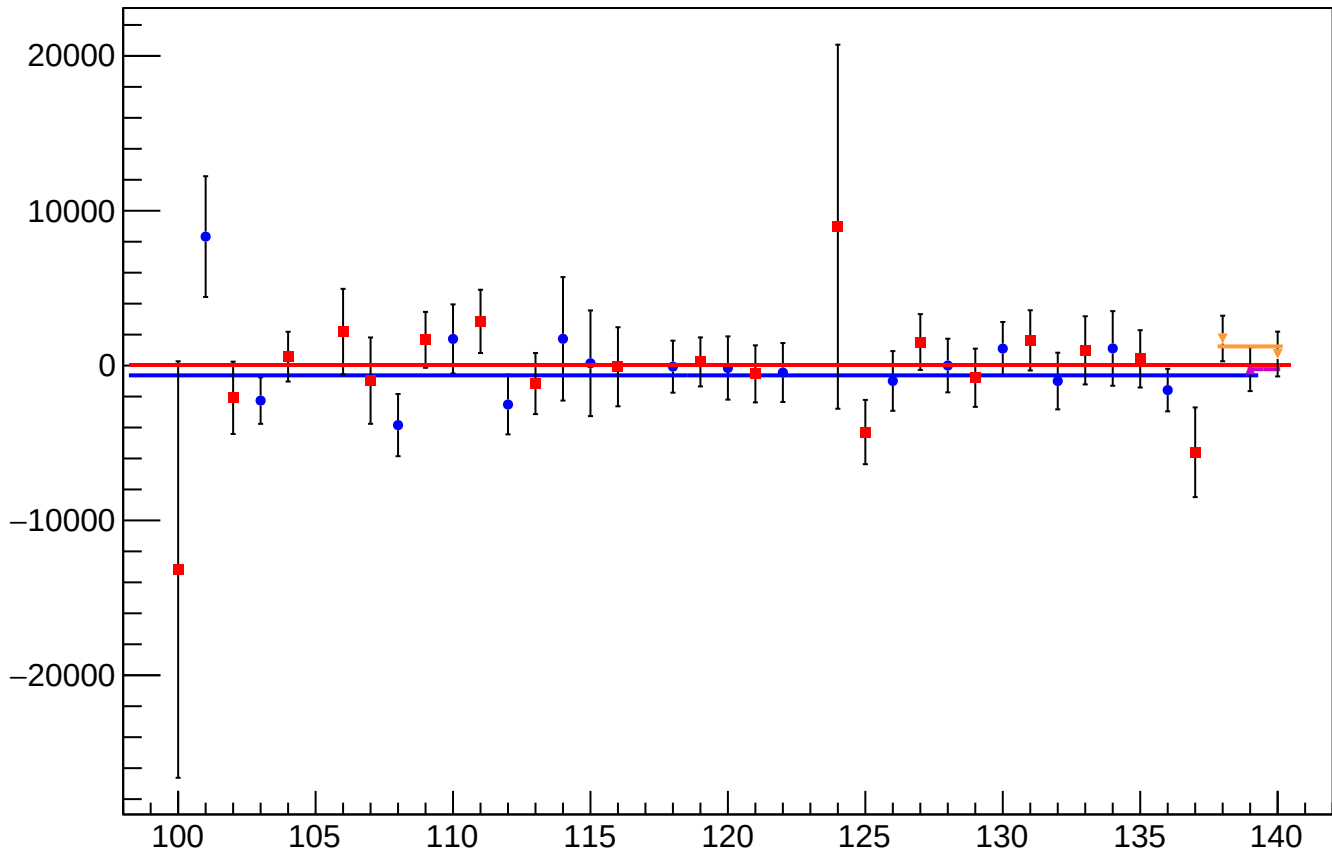
Left In: 4467.227 $\pm$ 3.438 χ^2/NDF : 0.0/0

+ sign 3553.520 $\pm$ 0.857 χ^2/NDF : 382542.1/17

All: 3205.785 $\pm$ 0.571 χ^2/NDF : 2388672.8/37

- sign 2928.203 $\pm$ 0.766 χ^2/NDF : 1710231.3/19

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

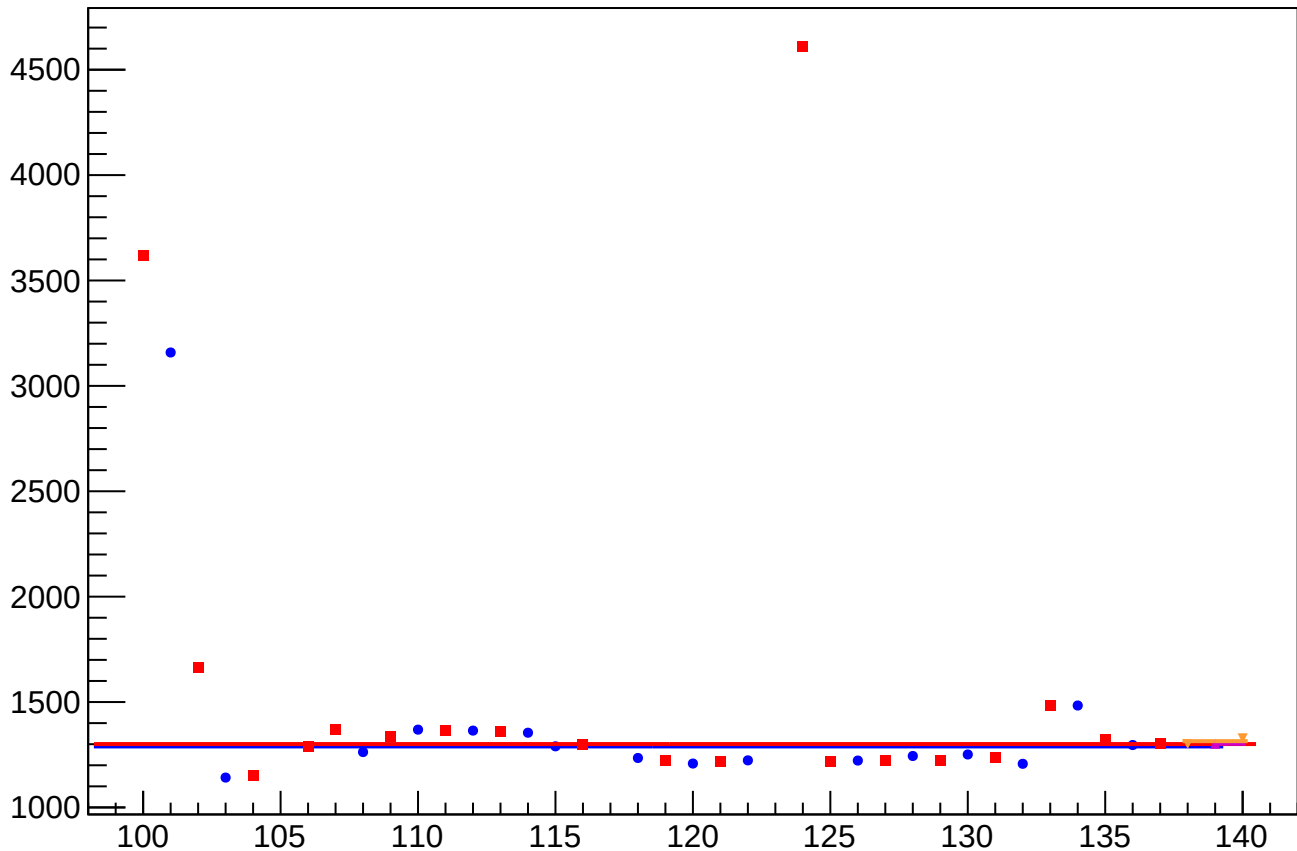
Left In: -233.286+/-1415.193 χ^2/NDF : 0.0/0

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -146.039+/-319.041 χ^2/NDF : 33.4/37

- sign 9.718+/-461.413 χ^2/NDF : 16.4/19

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF : 325907.6/18

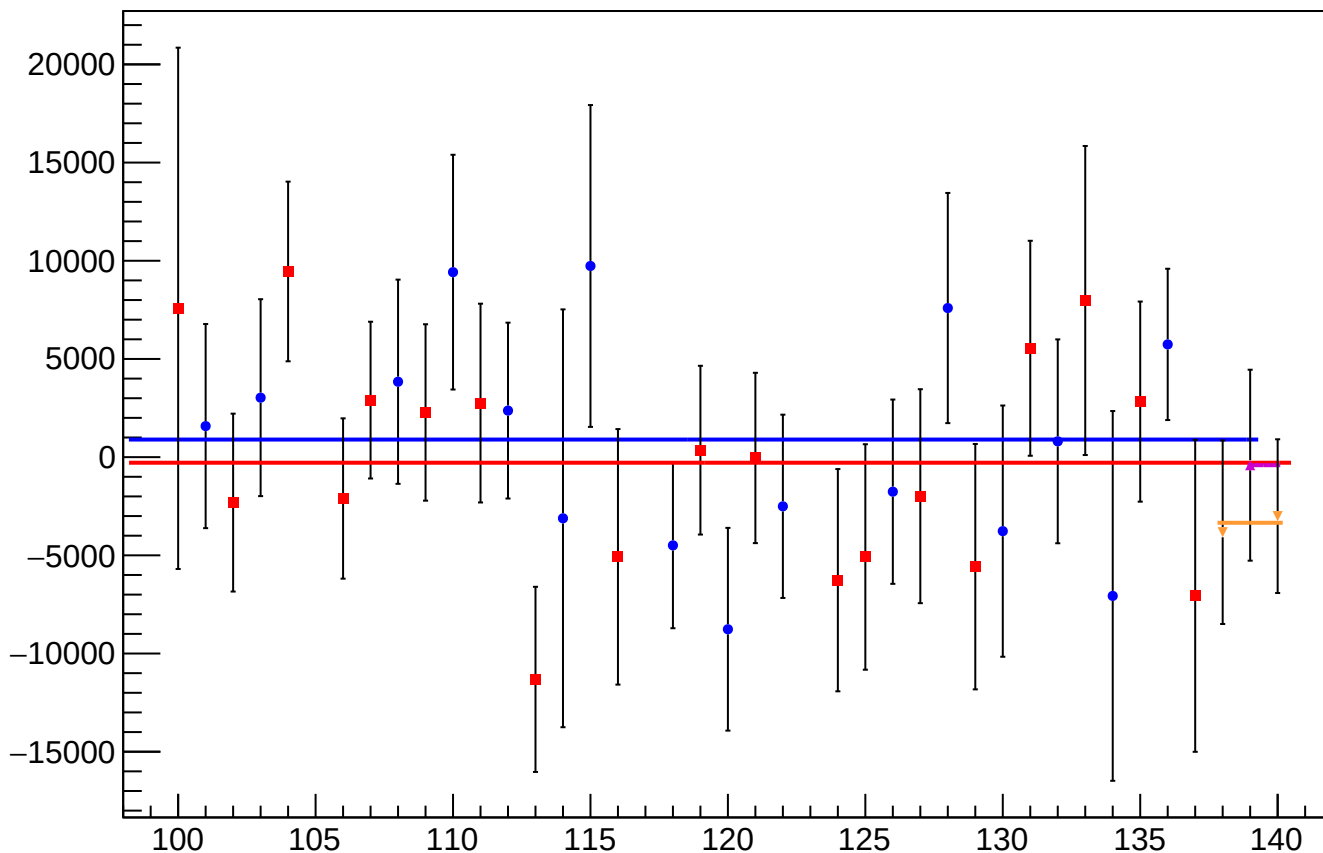
Left In: 1301.933+/-1.001 χ^2/NDF : 0.0/0

+ sign 1294.032+/-0.312 χ^2/NDF : 515983.0/17

All: 1297.281+/-0.225 χ^2/NDF : 842118.0/37

- sign 1300.816+/-0.326 χ^2/NDF : 325909.0/19

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3342.029 ± 3000.914 χ^2/NDF : 0.0/1

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

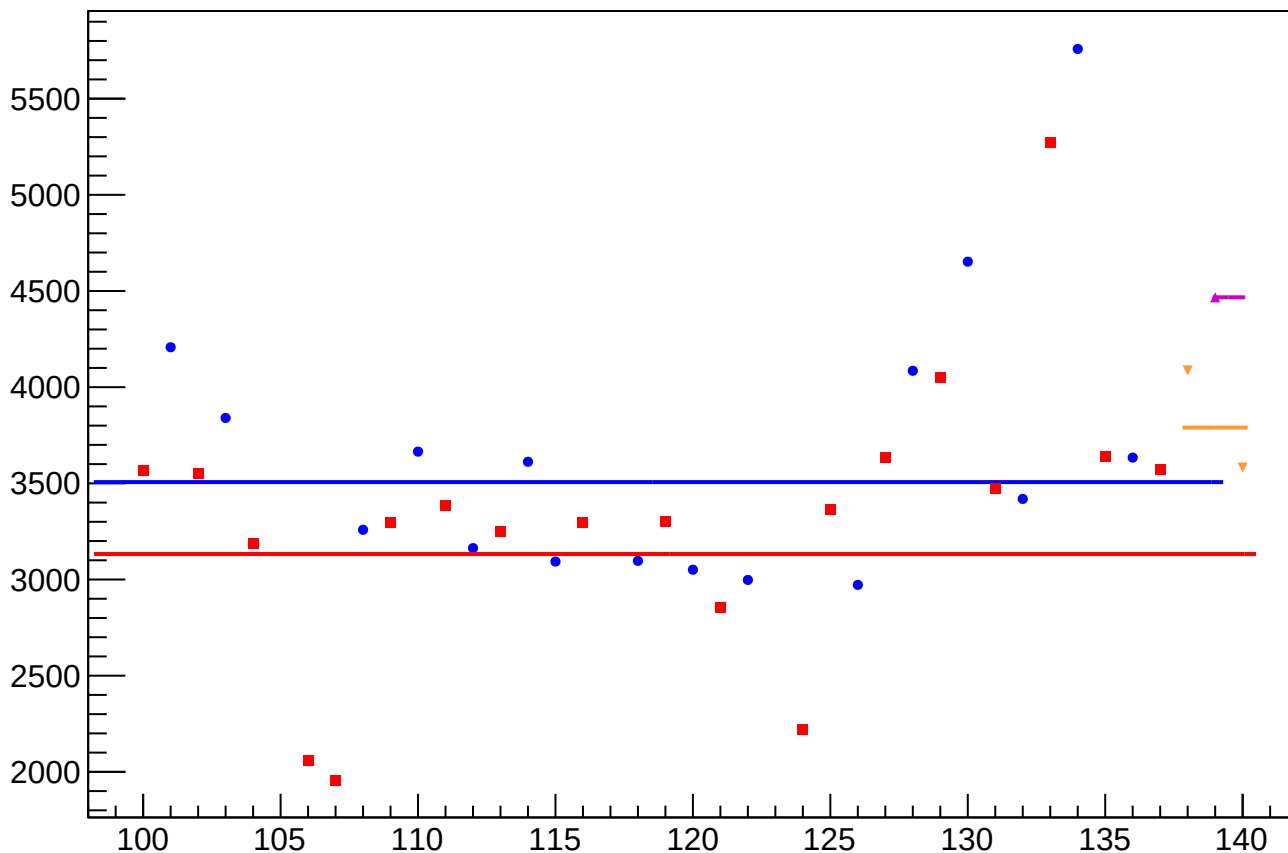
Left In: -410.057 ± 4862.030 χ^2/NDF : 0.0/0

+ sign 204.754 ± 1211.971 χ^2/NDF : 15.8/17

All: -56.209 ± 834.076 χ^2/NDF : 34.5/37

- sign -291.012 ± 1149.621 χ^2/NDF : 18.6/19

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3790.003 $\pm$ 2.122 χ^2 /NDF:13720.3/1

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

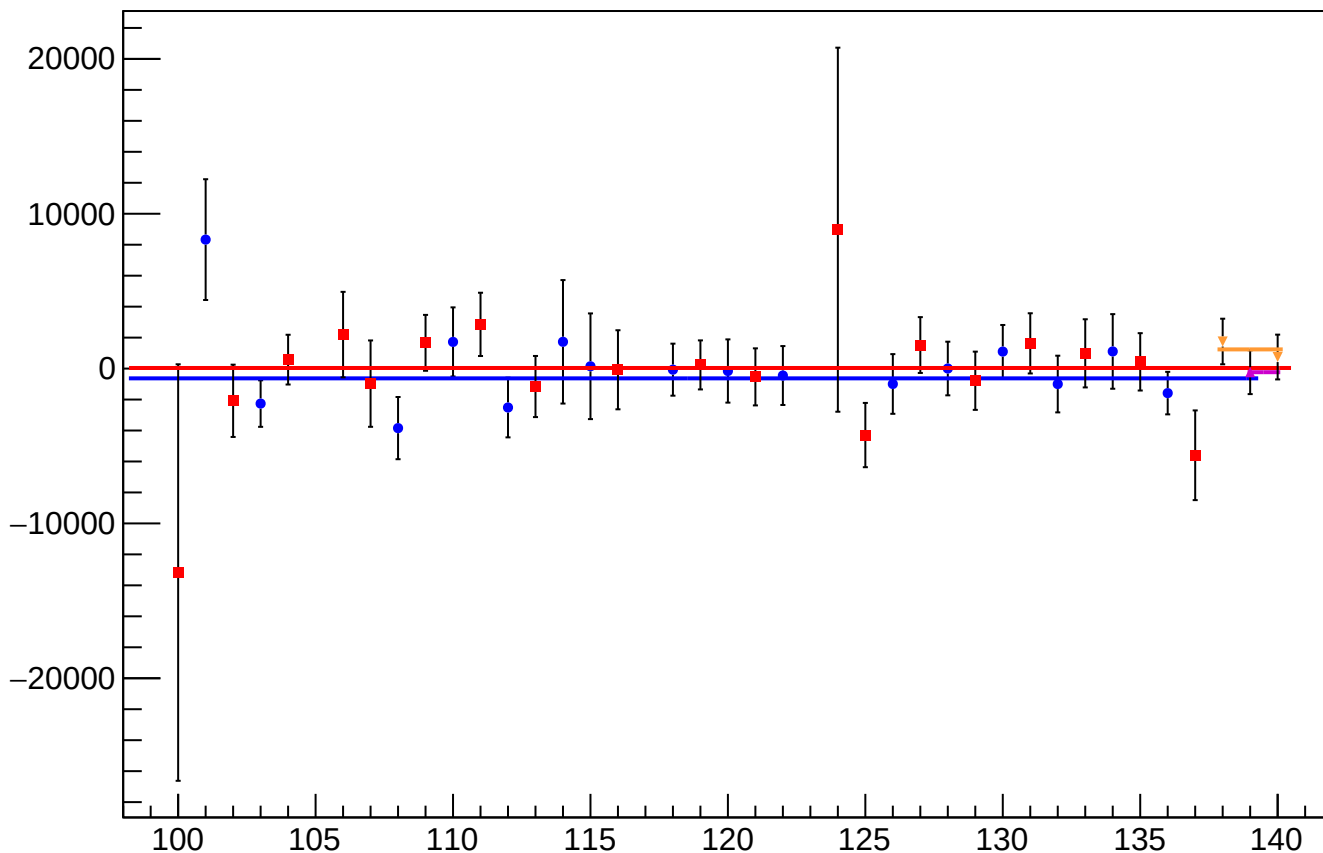
Left In: 4467.211 $\pm$ 3.438 χ^2 /NDF:0.0/0

+ sign 3552.729 $\pm$ 0.857 χ^2 /NDF: 381898.2/17

All: 3370.850 $\pm$ 0.590 χ^2 /NDF: 1259351.3/37

- sign 3207.203 $\pm$ 0.813 χ^2 /NDF: 791885.7/19

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: 1238.609 ± 1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

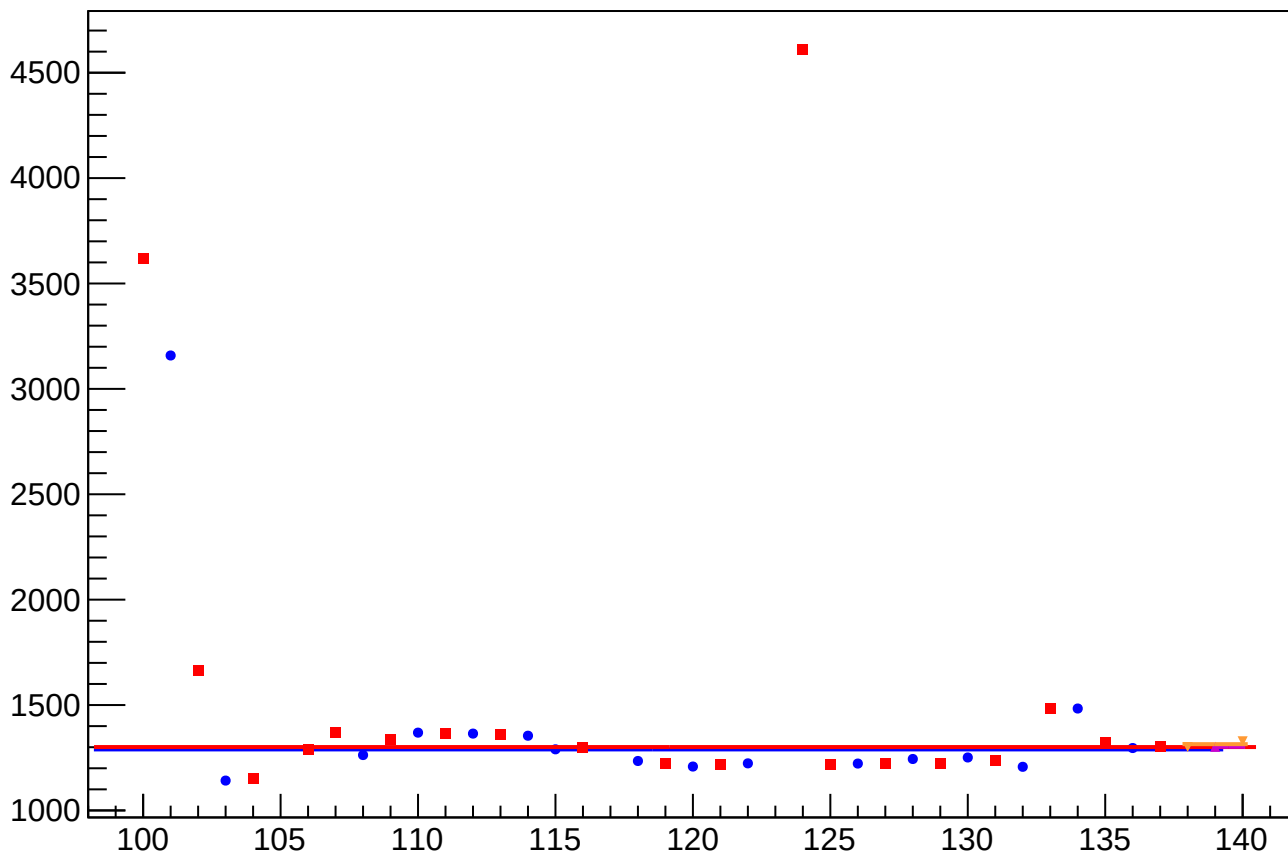
Left In: -233.286 ± 1415.193 χ^2/NDF : 0.0/0

+ sign -288.722 ± 441.622 χ^2/NDF : 16.8/17

All: -146.039 ± 319.041 χ^2/NDF : 33.4/37

- sign 9.718 ± 461.413 χ^2/NDF : 16.4/19

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: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF : 325907.6/18

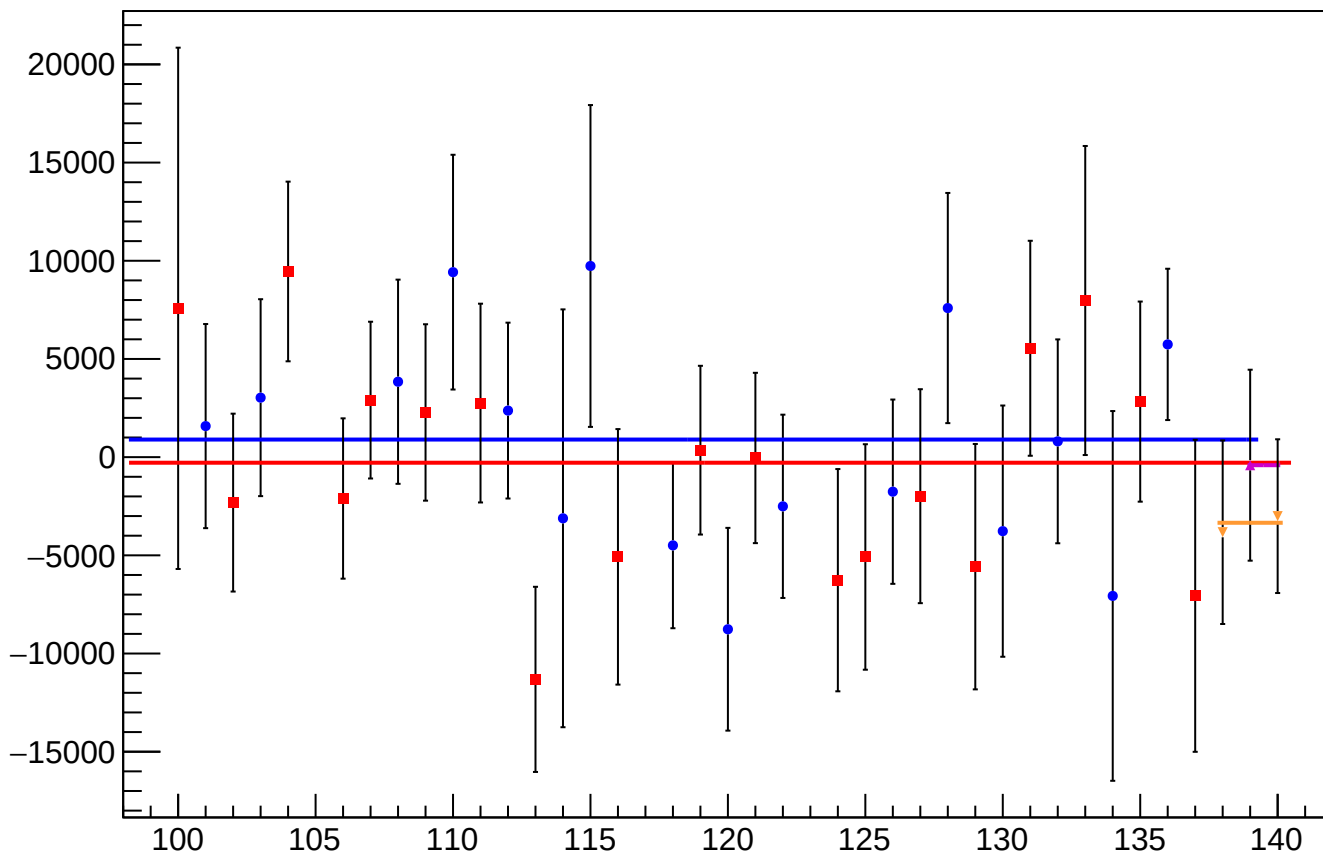
Left In: 1301.933+/-1.001 χ^2/NDF : 0.0/0

+ sign 1294.032+/-0.312 χ^2/NDF : 515983.0/17

All: 1297.281+/-0.225 χ^2/NDF : 842118.0/37

- sign 1300.816+/-0.326 χ^2/NDF : 325909.0/19

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF : 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF : 0.0/1

Right Out: -283.963+/-1183.171 χ^2/NDF : 18.6/18

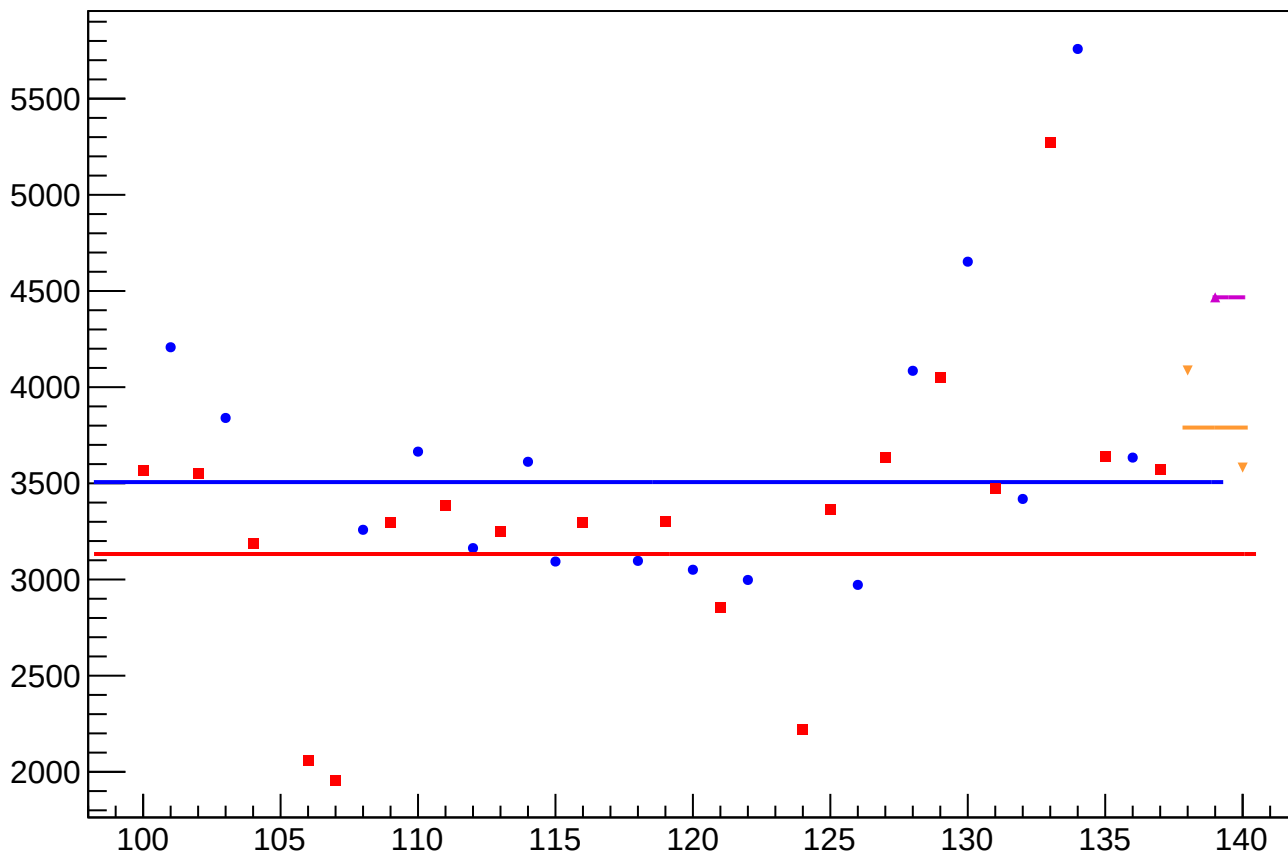
Left In: -410.057+/-4862.030 χ^2/NDF : 0.0/0

+ sign 204.754+/-1211.971 χ^2/NDF : 15.8/17

All: -56.209+/-834.076 χ^2/NDF : 34.5/37

- sign -291.012+/-1149.621 χ^2/NDF : 18.6/19

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF : 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF : 13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

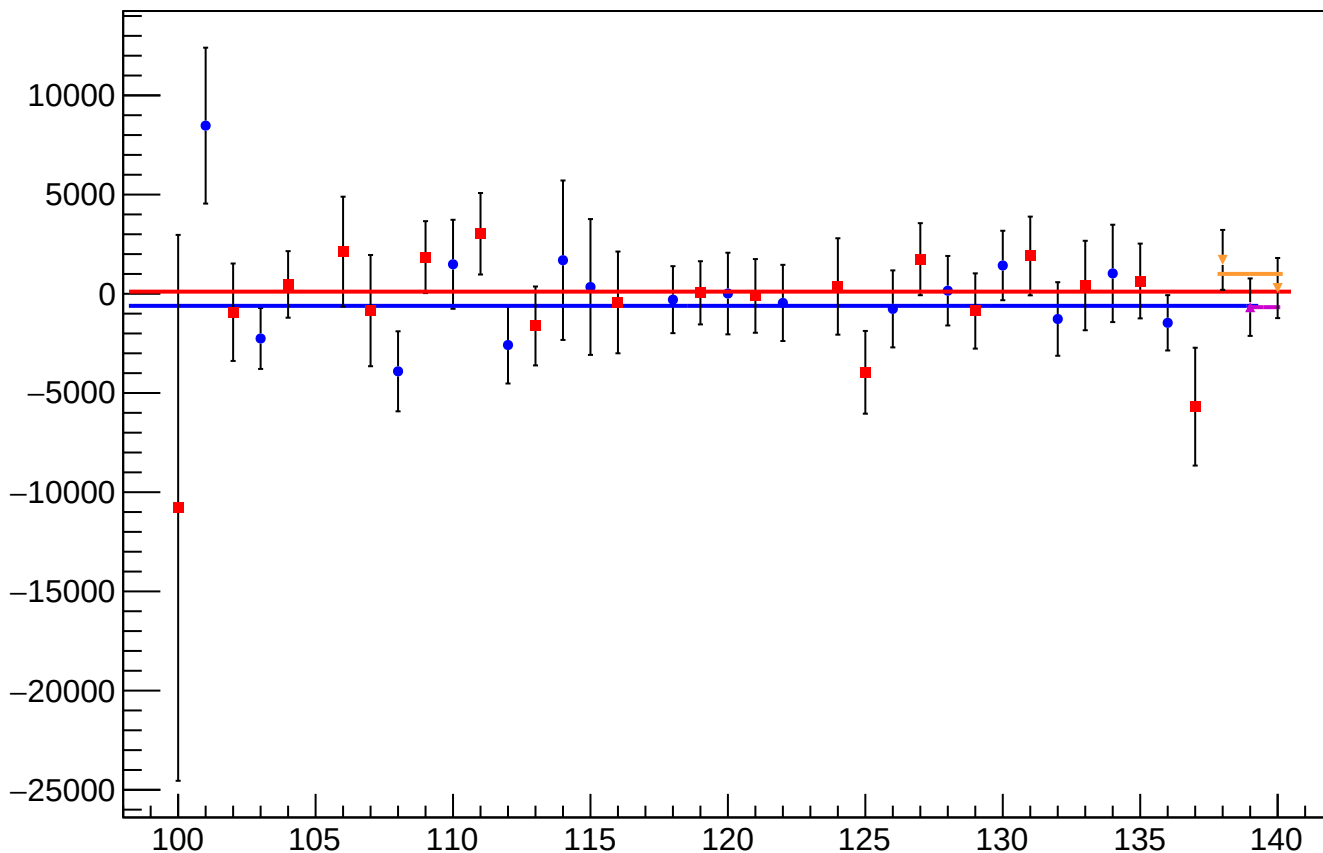
Left In: 4467.211+/-3.438 χ^2/NDF : 0.0/0

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3370.850+/-0.590 χ^2/NDF : 1259351.3/37

- sign 3207.203+/-0.813 χ^2/NDF : 791885.7/19

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF : 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF : 0.4/1

Right Out: 108.614+/-485.552 χ^2/NDF : 14.9/18

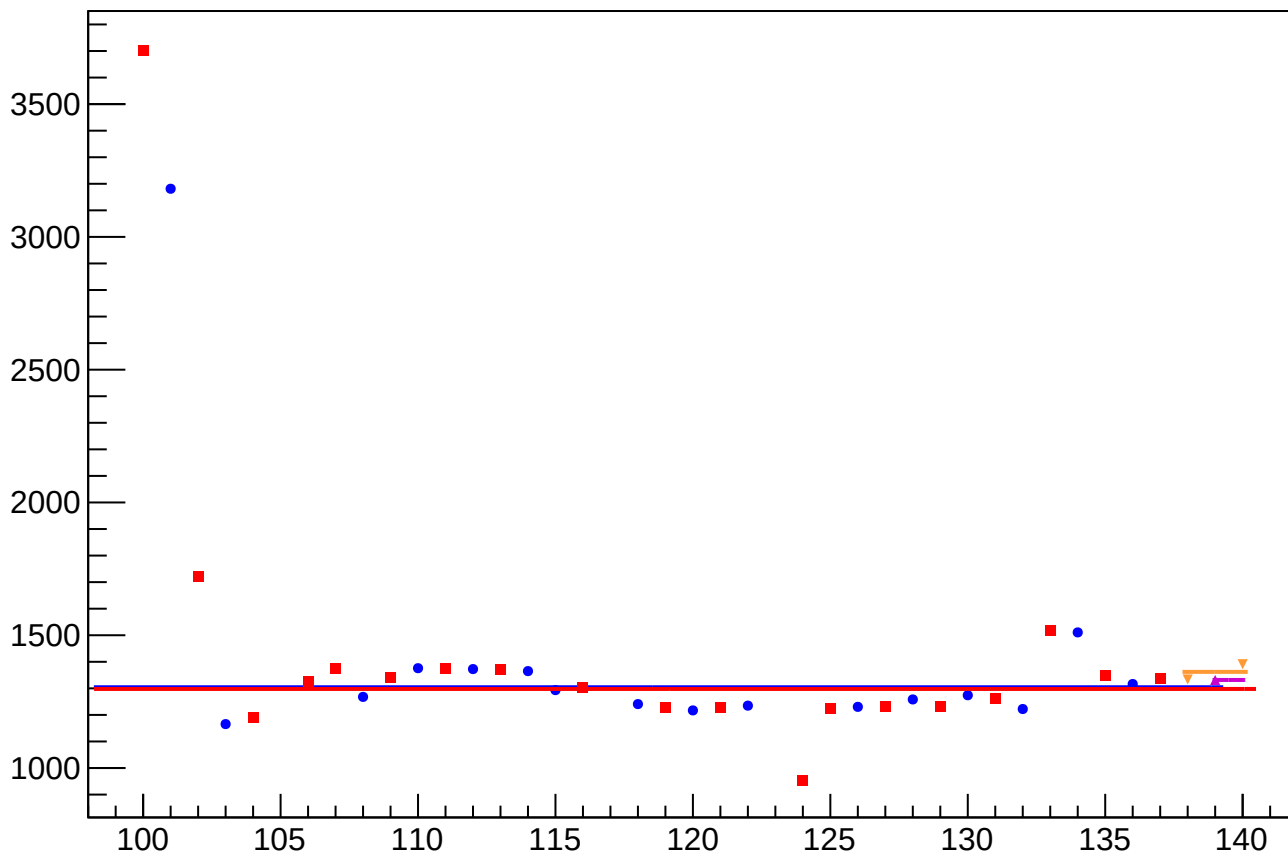
Left In: -674.162+/-1448.021 χ^2/NDF : 0.0/0

+ sign -324.610+/-448.603 χ^2/NDF : 16.4/17

All: -152.137+/-321.287 χ^2/NDF : 31.9/37

- sign 29.495+/-460.360 χ^2/NDF : 15.1/19

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.4/15

Left Out: 1362.076 $\pm$ 0.756 χ^2 /NDF:1440.8/1

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

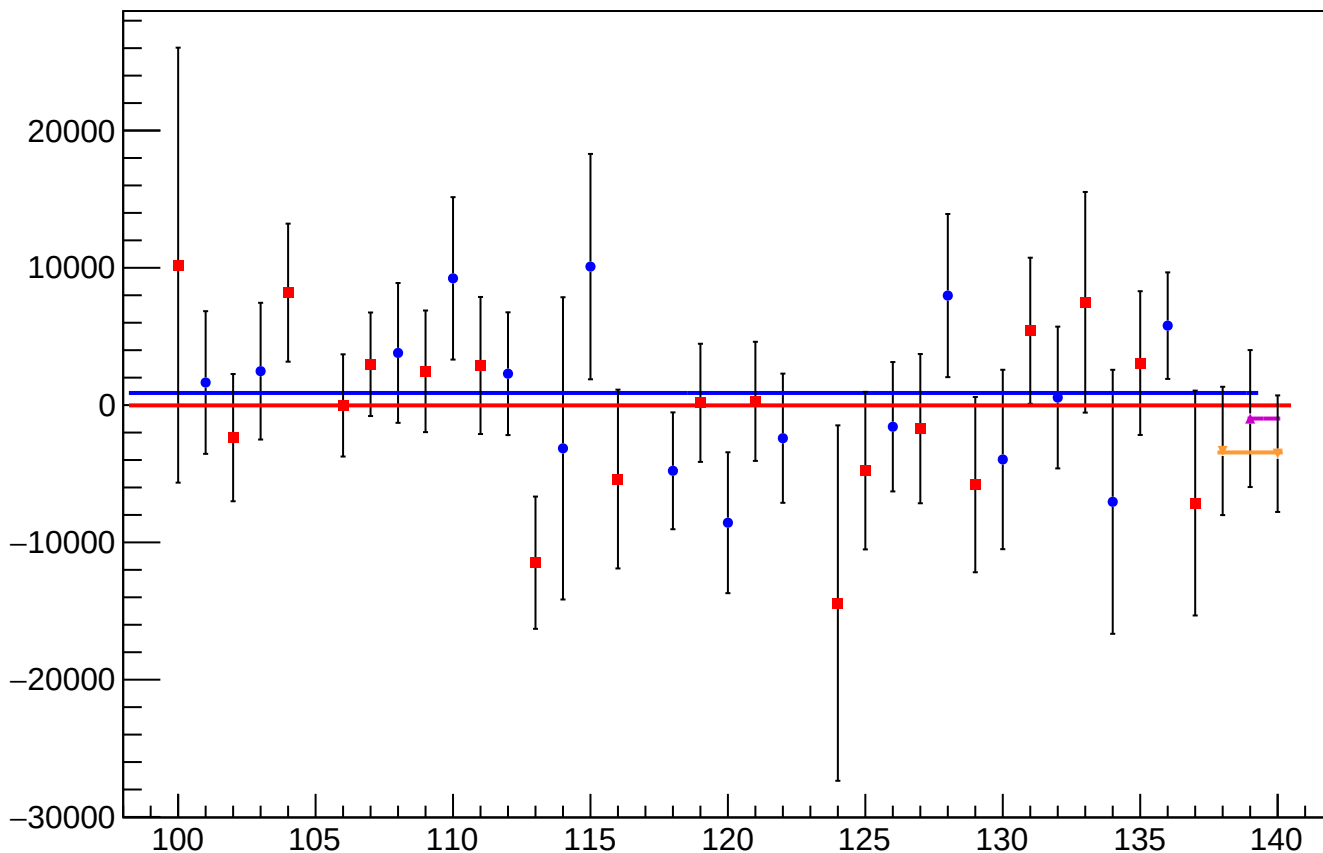
Left In: 1331.596 $\pm$ 1.024 χ^2 /NDF:0.0/0

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.2/17

All: 1307.920 $\pm$ 0.227 χ^2 /NDF: 731780.4/37

- sign 1301.208 $\pm$ 0.325 χ^2 /NDF: 214076.6/19

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: 884.058 ± 1327.399 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3448.190 ± 3141.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -20.681 ± 1200.015 $\chi^2/\text{NDF}: 16.8/18$

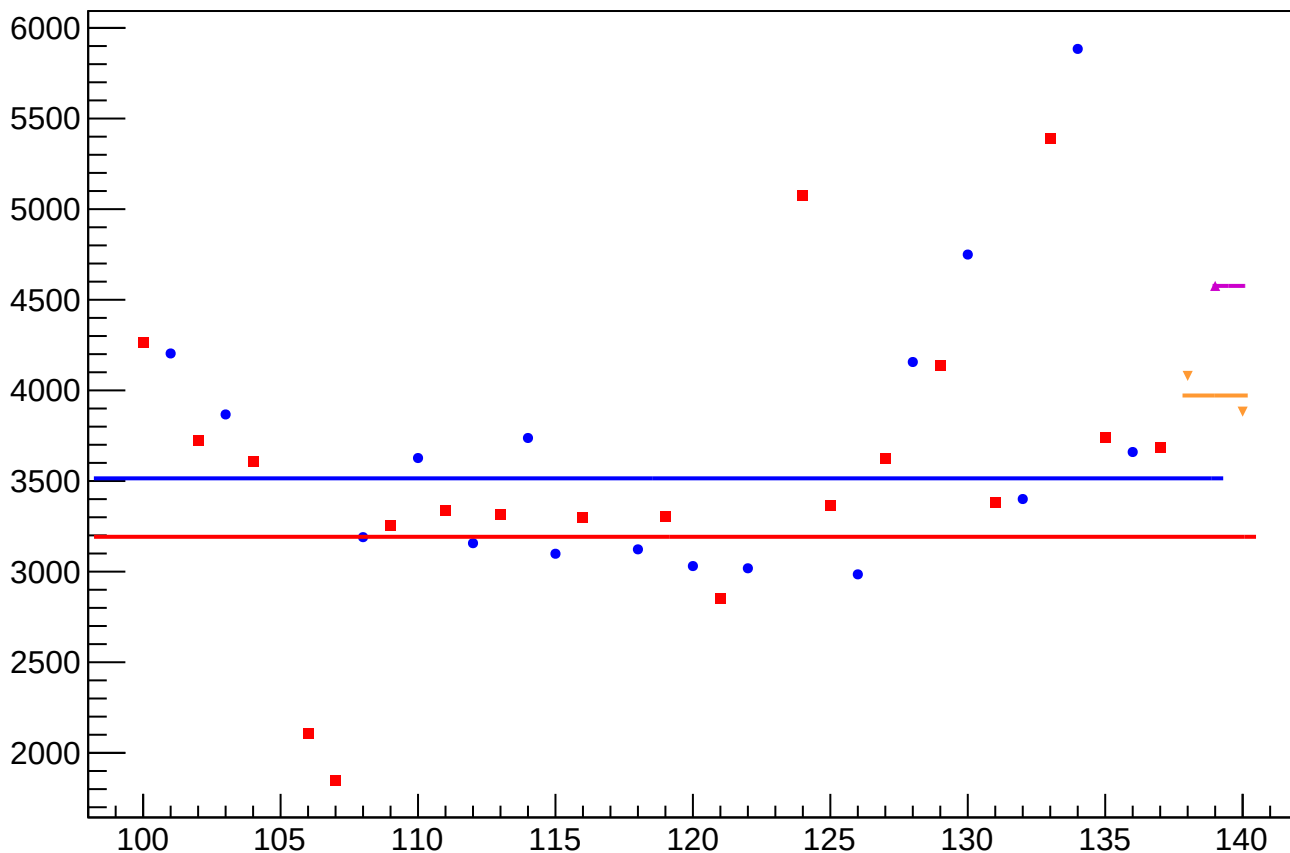
Left In: -980.044 ± 4987.994 $\chi^2/\text{NDF}: 0.0/0$

+ sign 227.910 ± 1222.752 $\chi^2/\text{NDF}: 15.7/17$

All: 70.314 ± 844.111 $\chi^2/\text{NDF}: 32.6/37$

- sign -73.170 ± 1166.725 $\chi^2/\text{NDF}: 16.9/19$

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF : 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF : 1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF : 772495.7/18

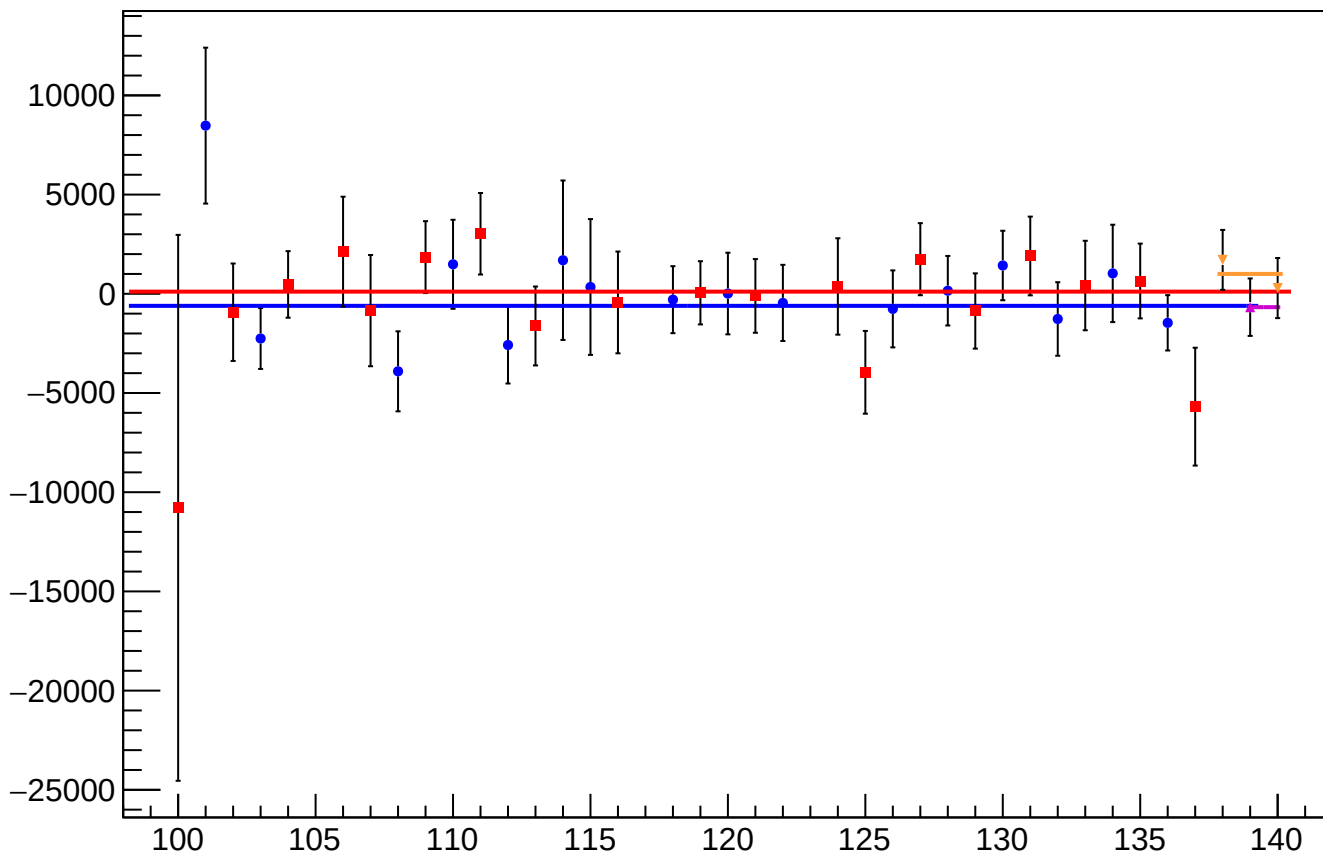
Left In: 4576.548+/-3.527 χ^2/NDF : 0.0/0

+ sign 3583.970+/-0.865 χ^2/NDF : 412942.2/17

All: 3418.551+/-0.597 χ^2/NDF : 1400990.5/37

- sign 3267.944+/-0.825 χ^2/NDF : 918118.9/19

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF : 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF : 0.4/1

Right Out: 108.619+/-485.553 χ^2/NDF : 14.9/18

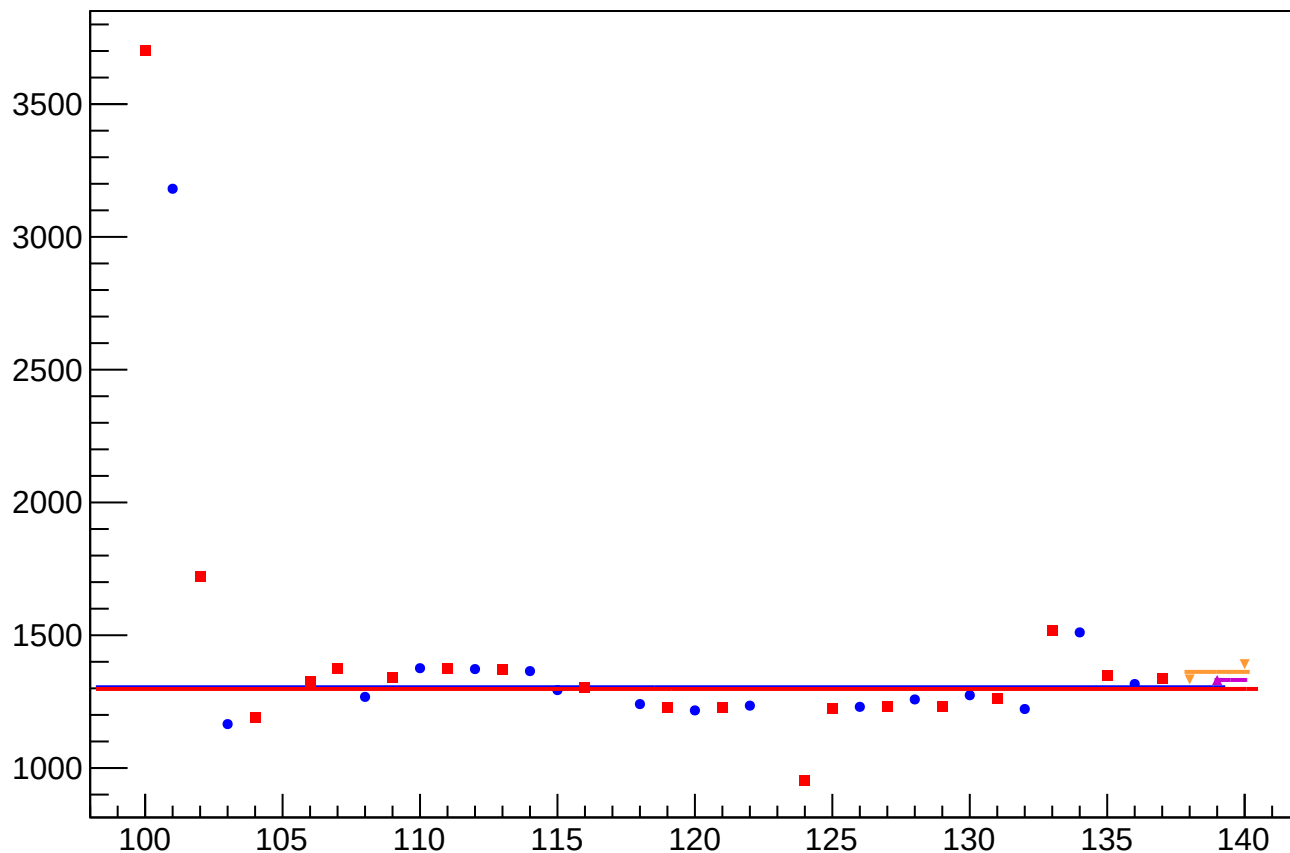
Left In: -674.178+/-1448.023 χ^2/NDF : 0.0/0

+ sign -324.614+/-448.603 χ^2/NDF : 16.4/17

All: -152.137+/-321.287 χ^2/NDF : 31.9/37

- sign 29.498+/-460.360 χ^2/NDF : 15.1/19

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.6/15

Left Out: 1362.076 $\pm$ 0.756 χ^2 /NDF:1440.8/1

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

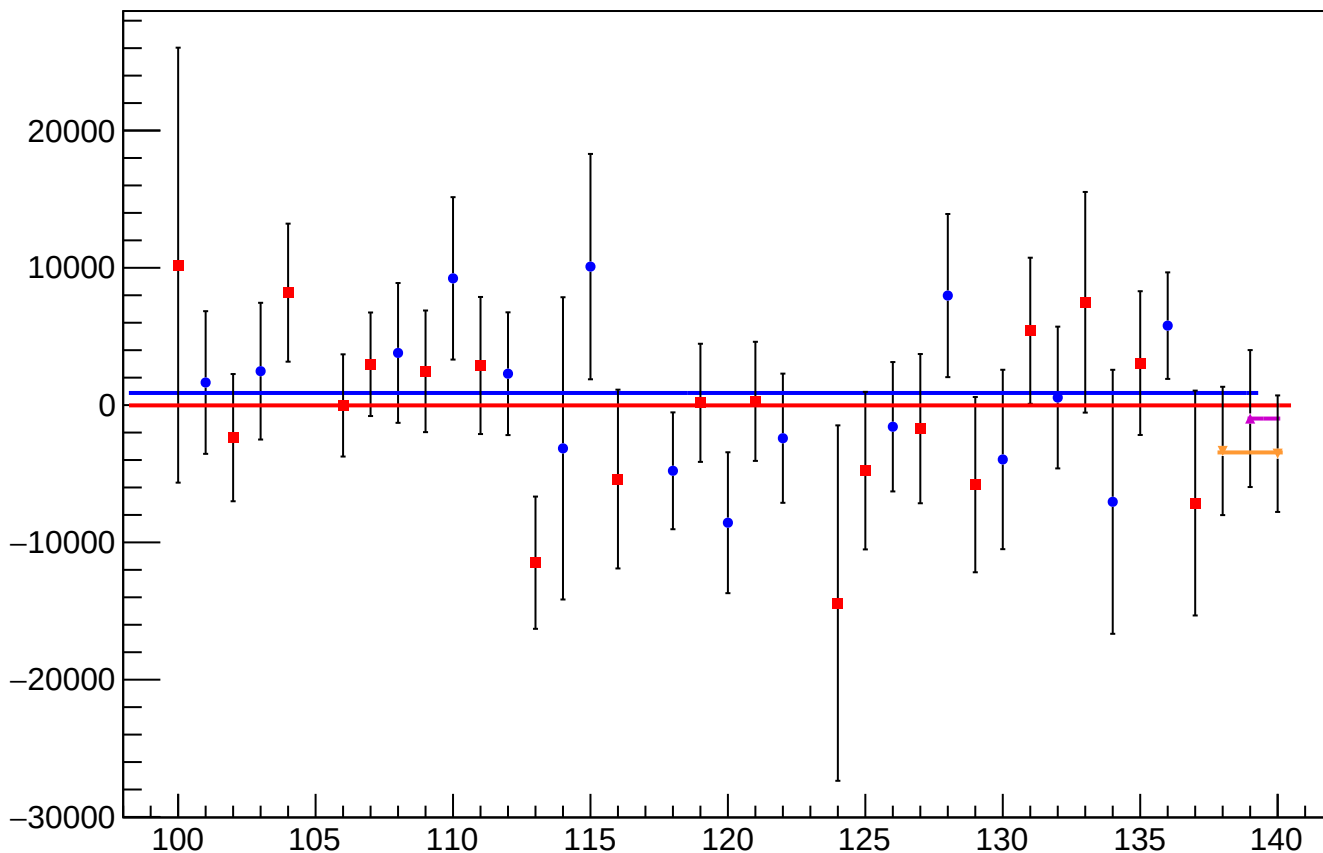
Left In: 1331.597 $\pm$ 1.024 χ^2 /NDF:0.0/0

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.4/17

All: 1307.920 $\pm$ 0.227 χ^2 /NDF: 731780.8/37

- sign 1301.208 $\pm$ 0.325 χ^2 /NDF: 214076.8/19

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 ± 1327.396 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3448.191 ± 3141.919 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -20.677 ± 1200.012 $\chi^2/\text{NDF}: 16.8/18$

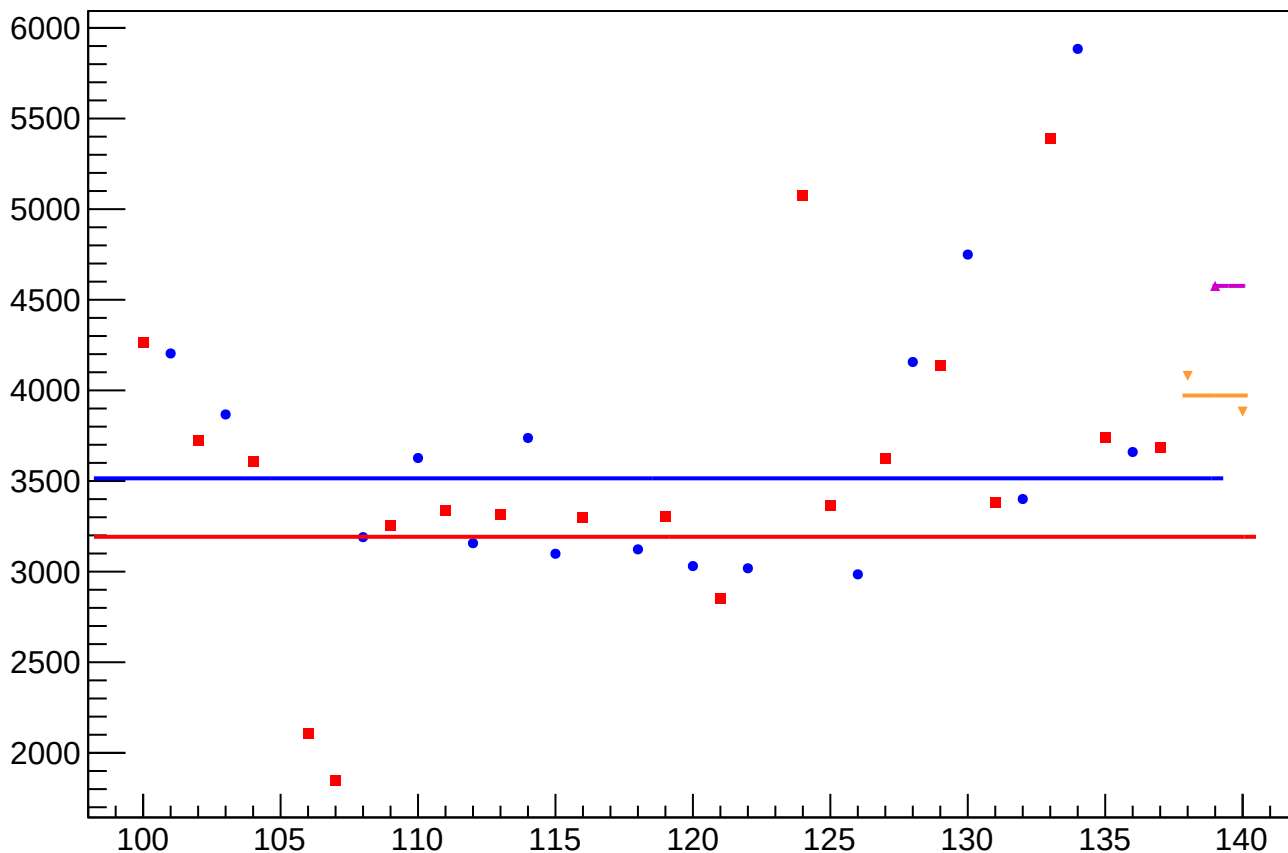
Left In: -980.063 ± 4988.009 $\chi^2/\text{NDF}: 0.0/0$

+ sign 227.905 ± 1222.750 $\chi^2/\text{NDF}: 15.7/17$

All: 70.314 ± 844.110 $\chi^2/\text{NDF}: 32.6/37$

- sign -73.167 ± 1166.723 $\chi^2/\text{NDF}: 16.9/19$

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 3971.806 $\pm$ 2.222 χ^2 /NDF:1950.9/1

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

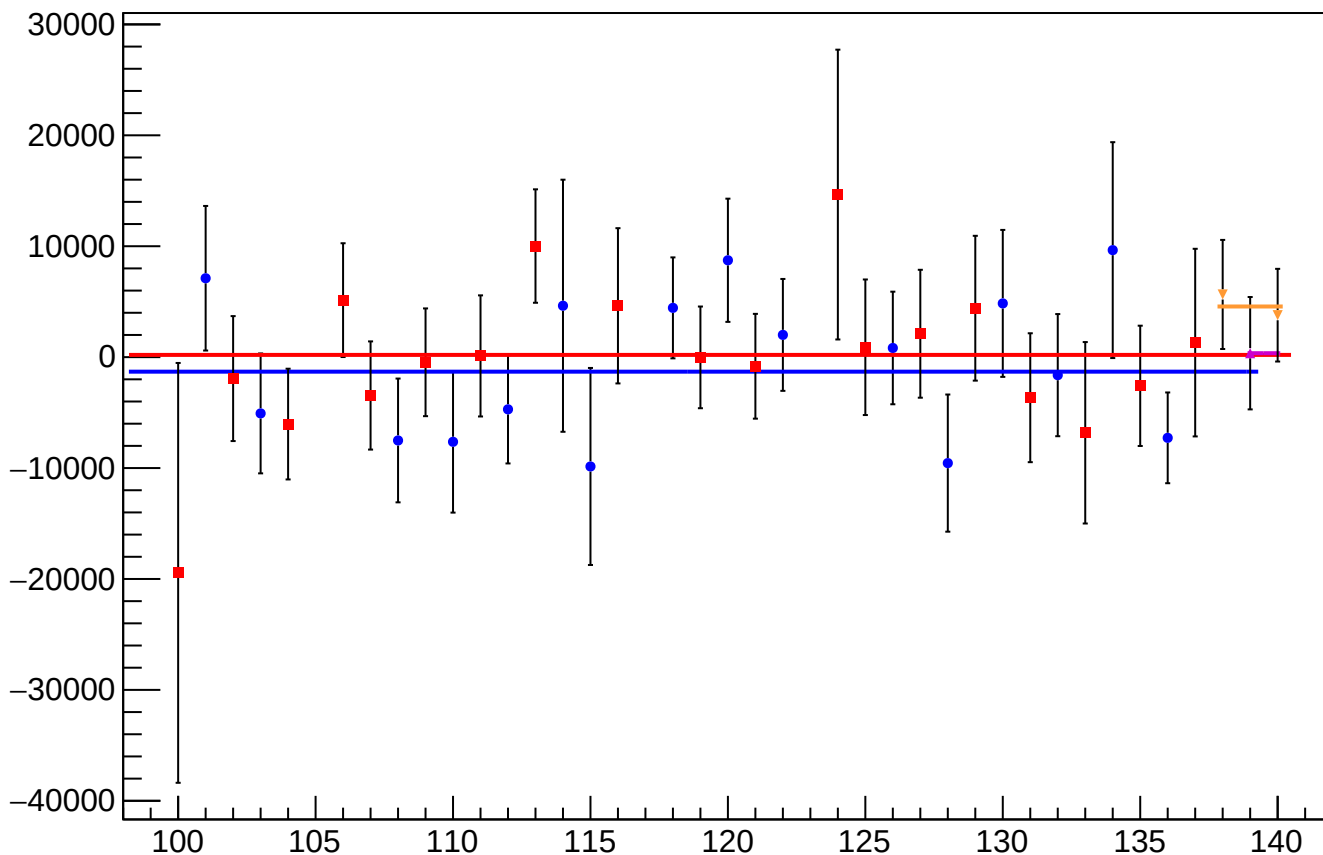
Left In: 4576.562 $\pm$ 3.527 χ^2 /NDF:0.0/0

+ sign 3583.962 $\pm$ 0.865 χ^2 /NDF: 412948.9/17

All: 3418.544 $\pm$ 0.597 χ^2 /NDF: 1401003.5/37

- sign 3267.937 $\pm$ 0.825 χ^2 /NDF: 918124.9/19

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF : 17.6/15

Left Out: 4566.386+/-3184.192 χ^2/NDF : 0.1/1

Right Out: 201.593+/-1336.062 χ^2/NDF : 11.6/18

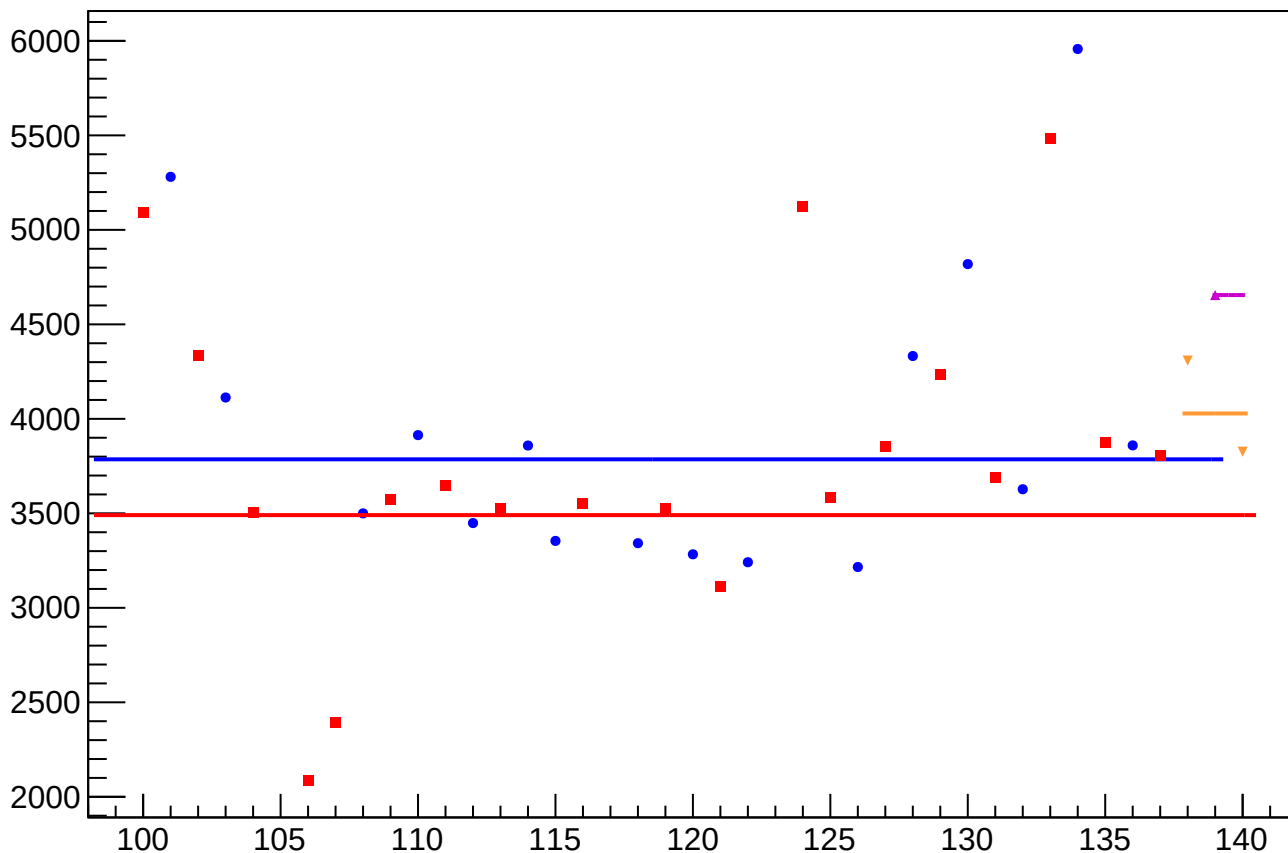
Left In: 355.078+/-5065.536 χ^2/NDF : 0.0/0

+ sign -321.330+/-1305.722 χ^2/NDF : 20.5/17

All: -52.038+/-918.353 χ^2/NDF : 32.2/37

- sign 211.576+/-1291.882 χ^2/NDF : 11.6/19

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF : 11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

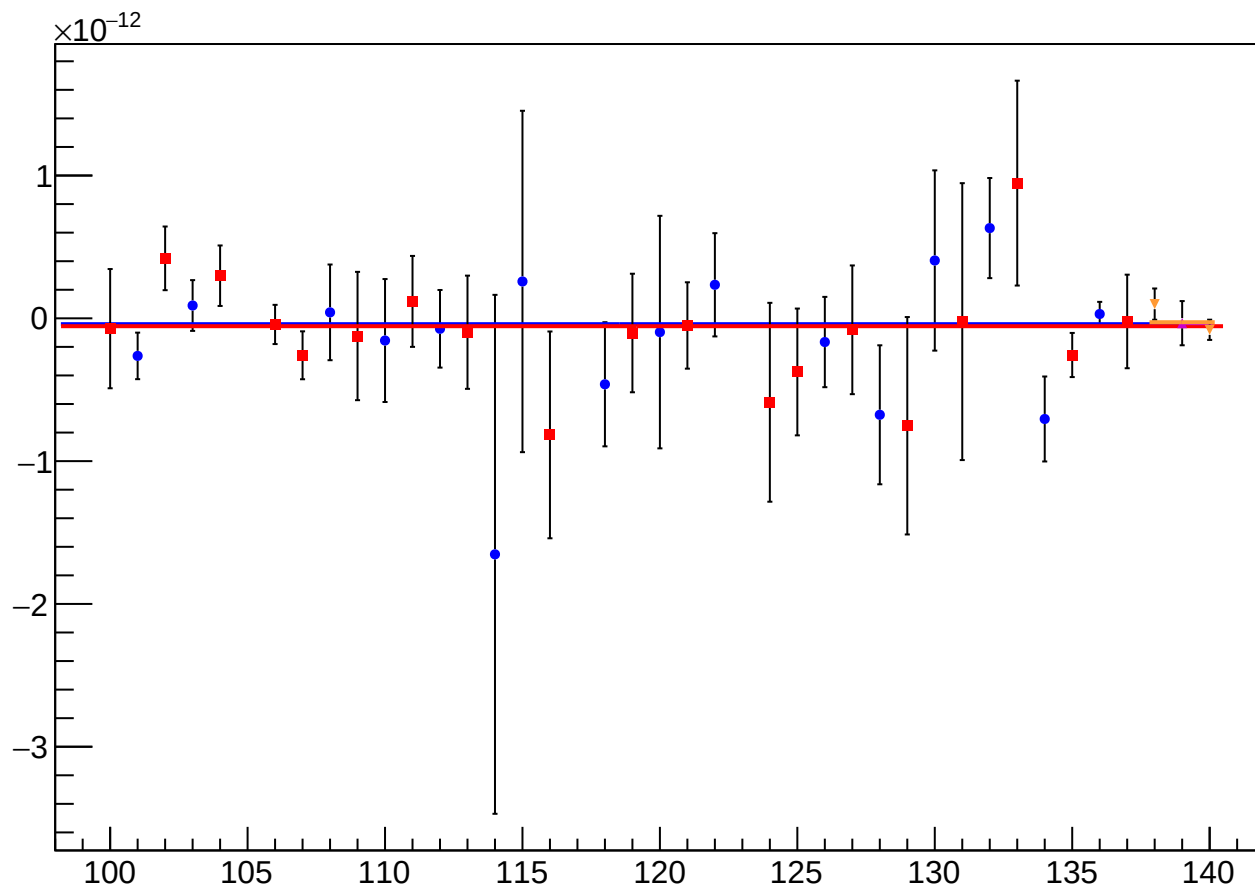
Left In: 4655.020+/-3.582 χ^2/NDF : 0.0/0

+ sign 3826.565+/-0.923 χ^2/NDF : 403814.1/17

All: 3692.418+/-0.645 χ^2/NDF : 1130761.0/37

- sign 3564.428+/-0.902 χ^2/NDF : 685694.9/19

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.9/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

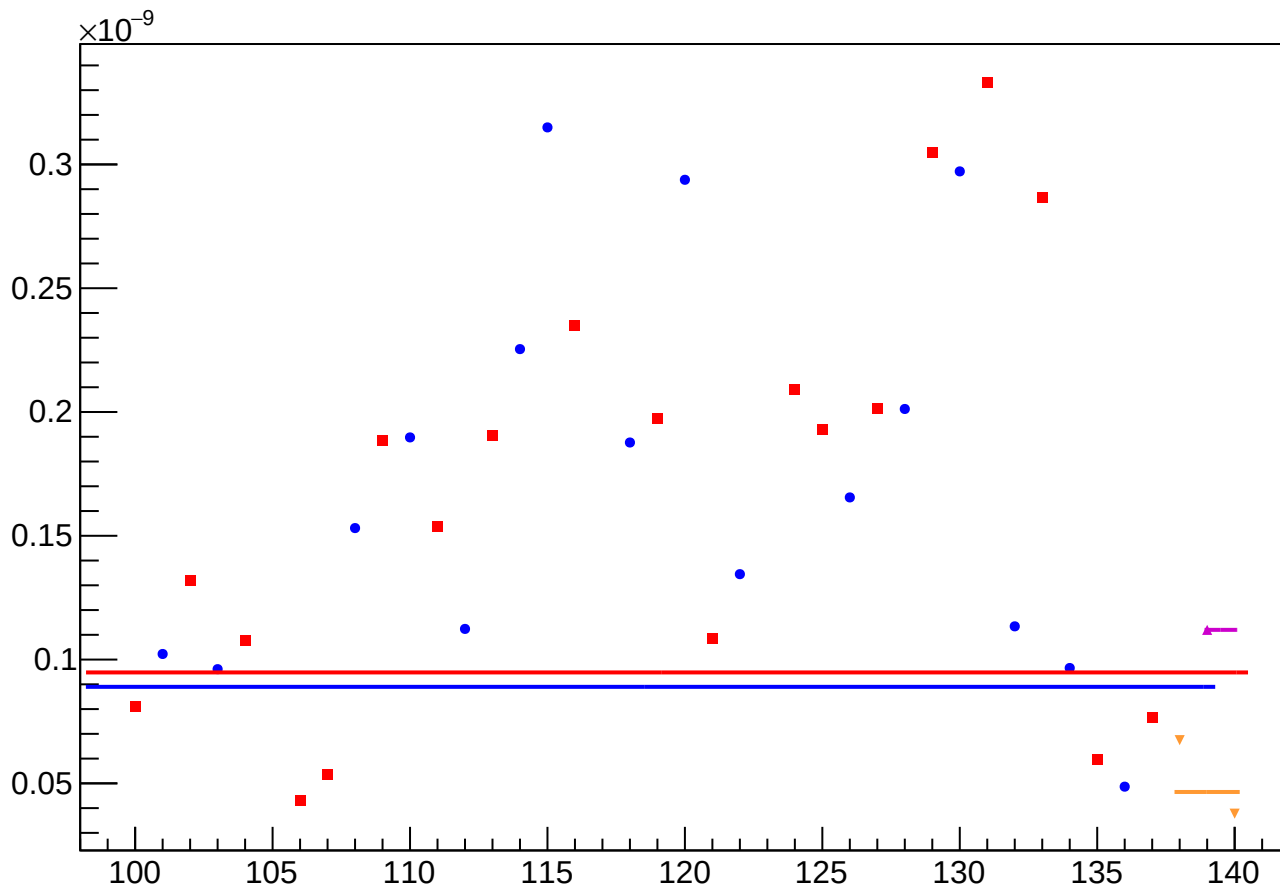
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/19

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

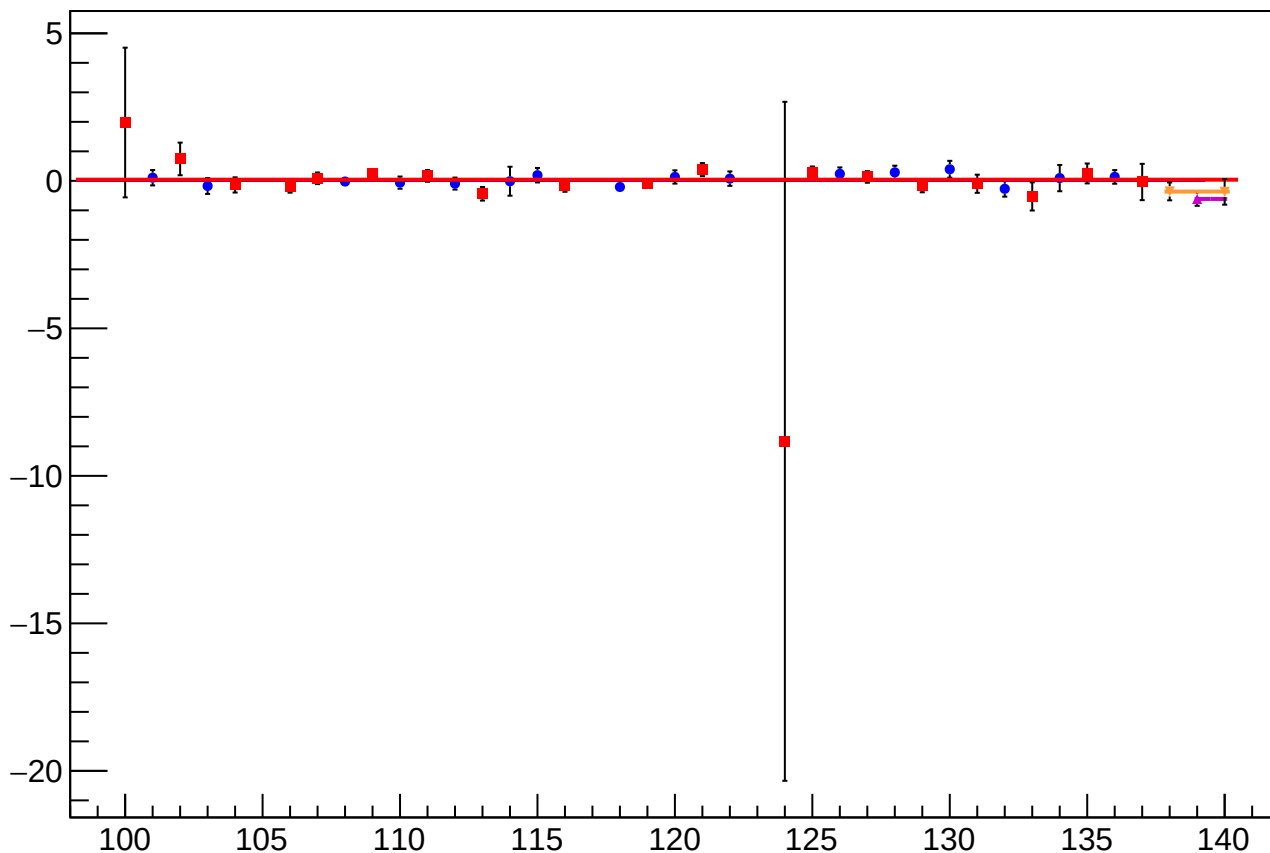
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2078463.8/17

All: 0.000+/-0.000 χ^2/NDF : 4163394.4/37

- sign 0.000+/-0.000 χ^2/NDF : 1755700.6/19

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: -0.363 $\pm$ 0.248 χ^2 /NDF: 0.0/1

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

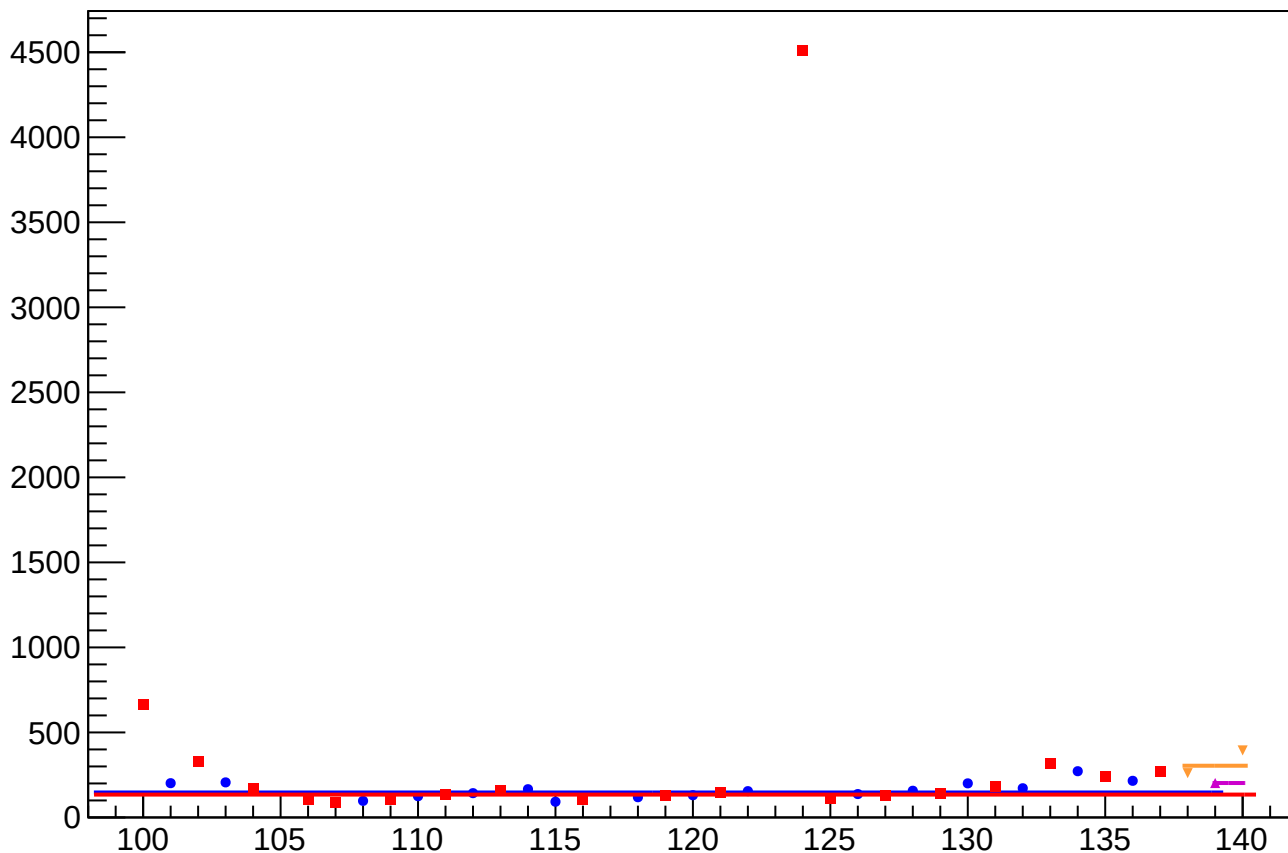
Left In: -0.614 $\pm$ 0.233 χ^2 /NDF: 0.0/0

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.006 $\pm$ 0.039 χ^2 /NDF: 39.3/37

- sign 0.005 $\pm$ 0.053 χ^2 /NDF: 27.5/19

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF : 127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

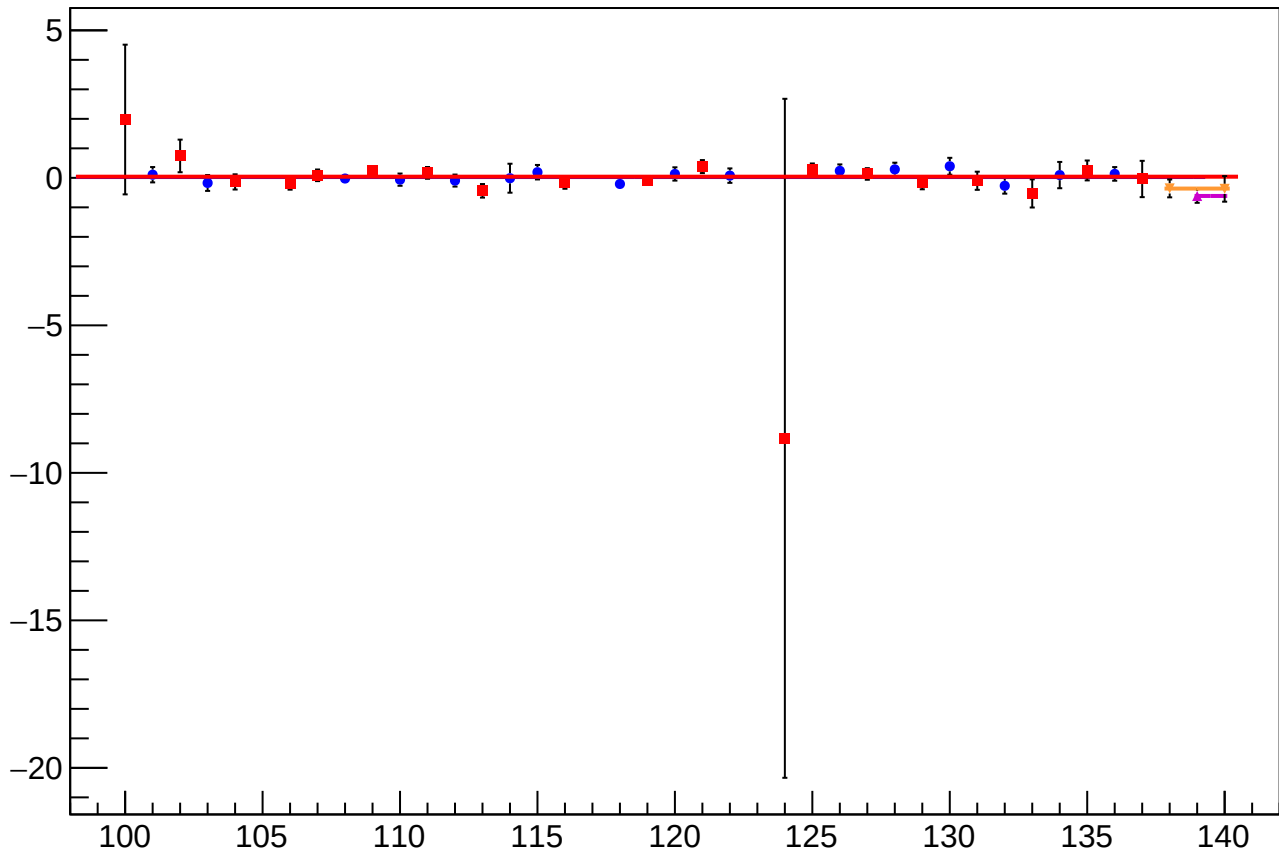
Left In: 202.517+/-0.165 χ^2/NDF : 0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 146.046+/-0.027 χ^2/NDF : 3752138.4/37

- sign 138.076+/-0.038 χ^2/NDF : 1768285.1/19

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF : 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF : 0.0/1

Right Out: 0.039+/-0.055 χ^2/NDF : 20.0/18

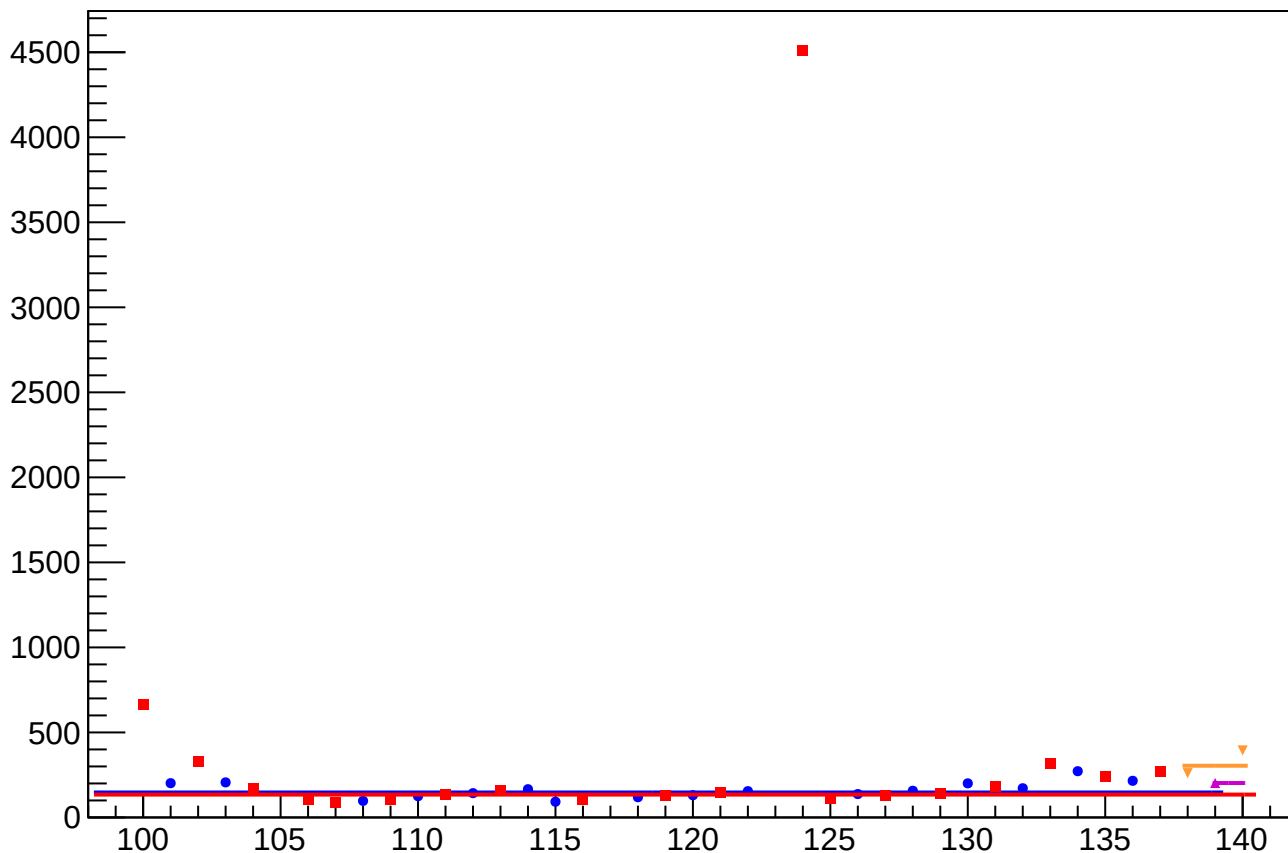
Left In: -0.614+/-0.233 χ^2/NDF : 0.0/0

+ sign 0.008+/-0.056 χ^2/NDF : 11.8/17

All: 0.006+/-0.039 χ^2/NDF : 39.3/37

- sign 0.005+/-0.053 χ^2/NDF : 27.5/19

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF : 127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

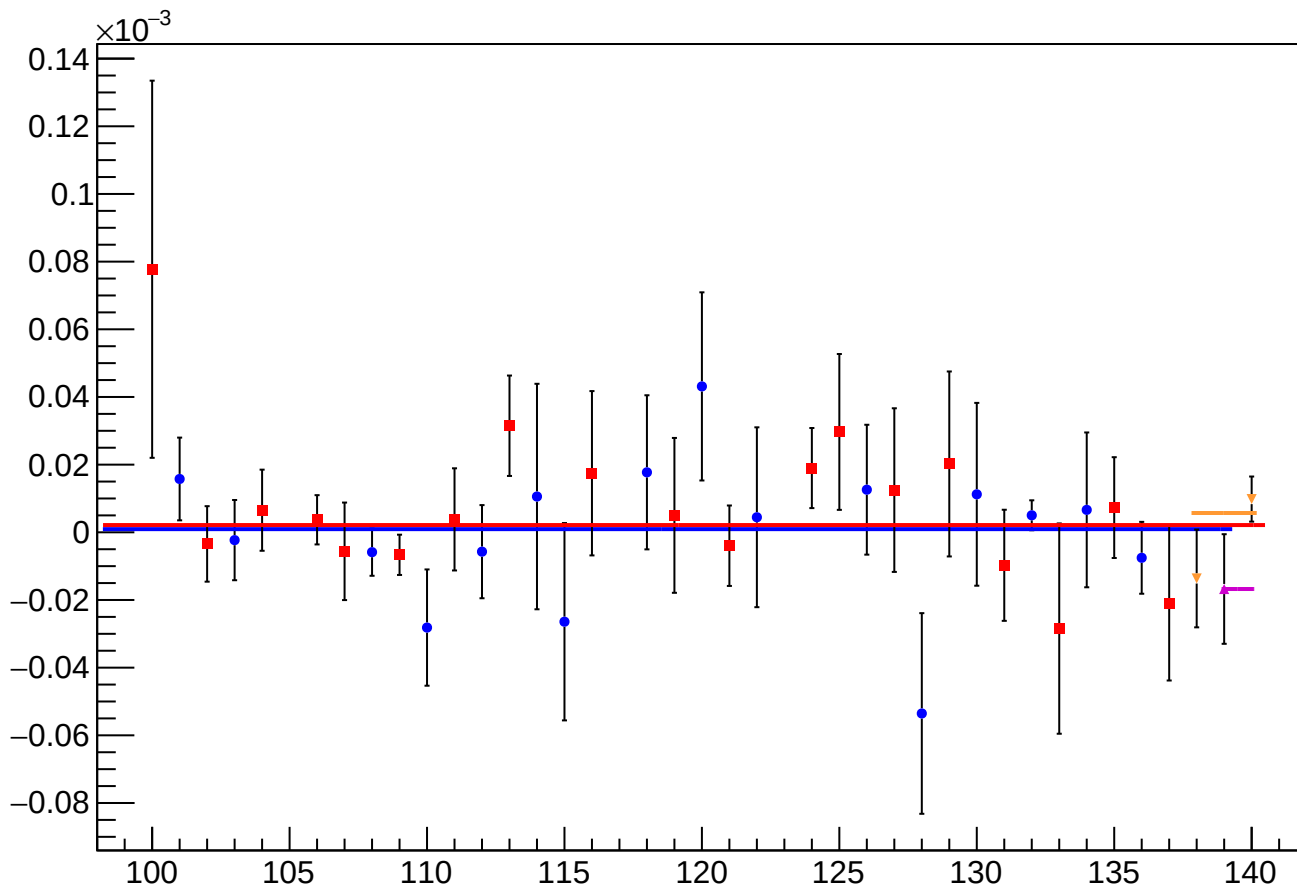
Left In: 202.517+/-0.165 χ^2/NDF : 0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 146.046+/-0.027 χ^2/NDF : 3752138.4/37

- sign 138.076+/-0.038 χ^2/NDF : 1768285.1/19

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

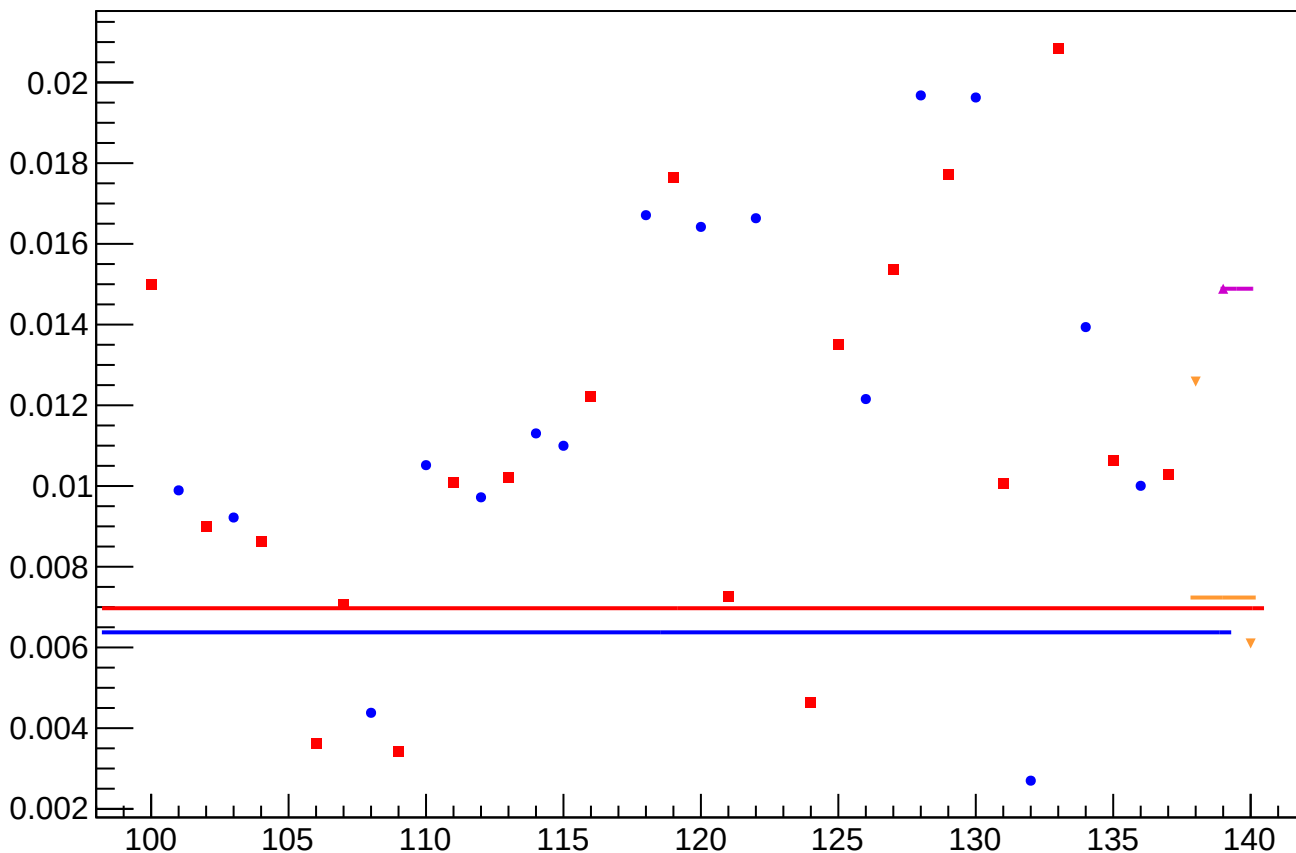
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/19

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF : 332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

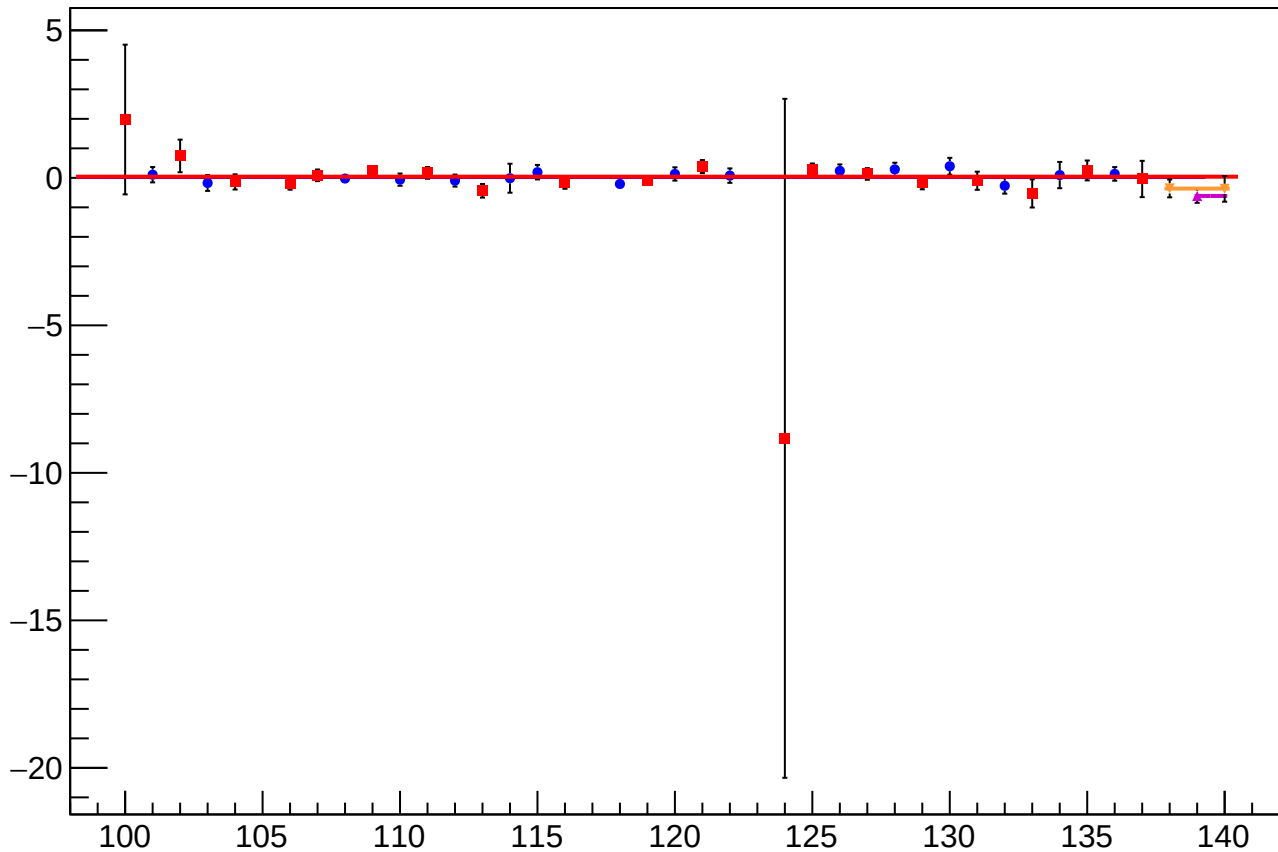
Left In: 0.015+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 5005153.1/17

All: 0.007+/-0.000 χ^2/NDF : 8939055.3/37

- sign 0.007+/-0.000 χ^2/NDF : 3871758.6/19

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

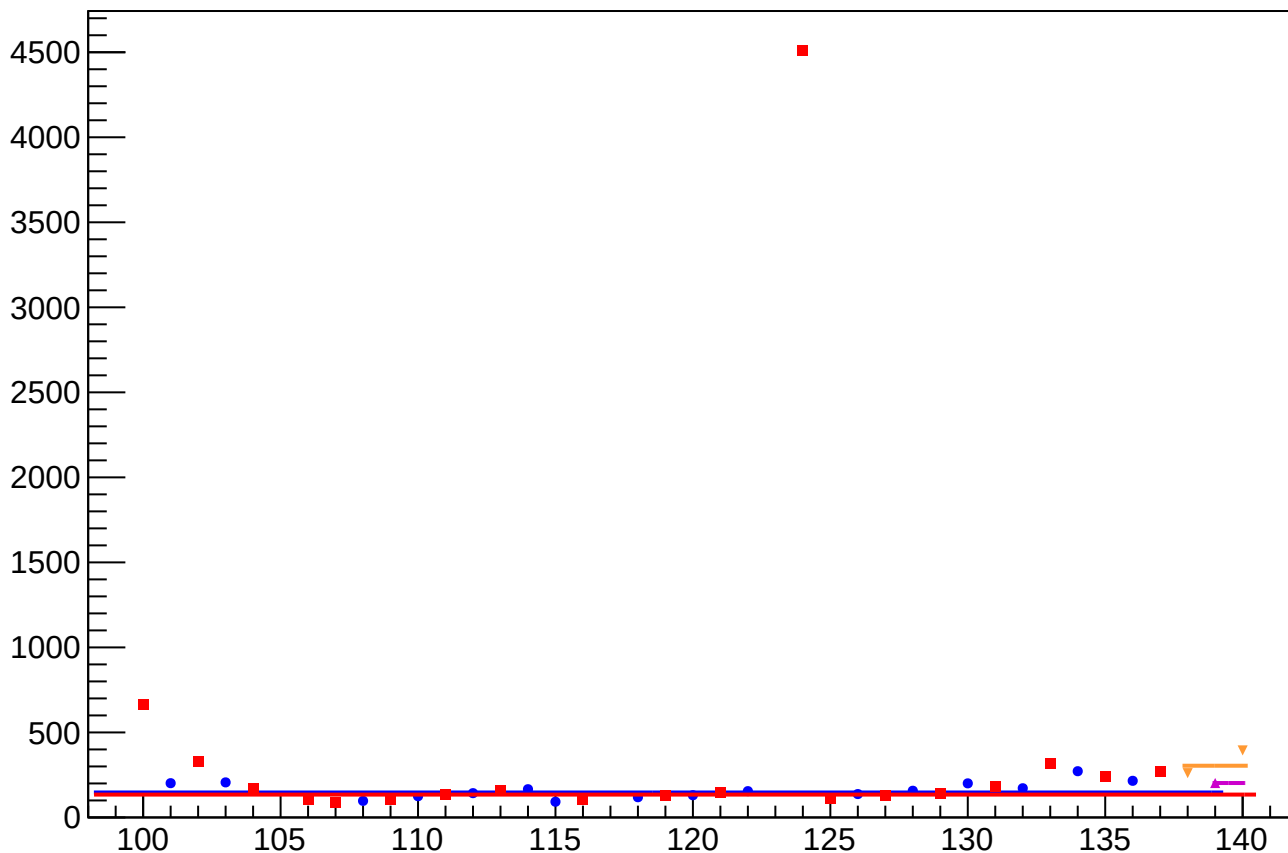
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF :127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

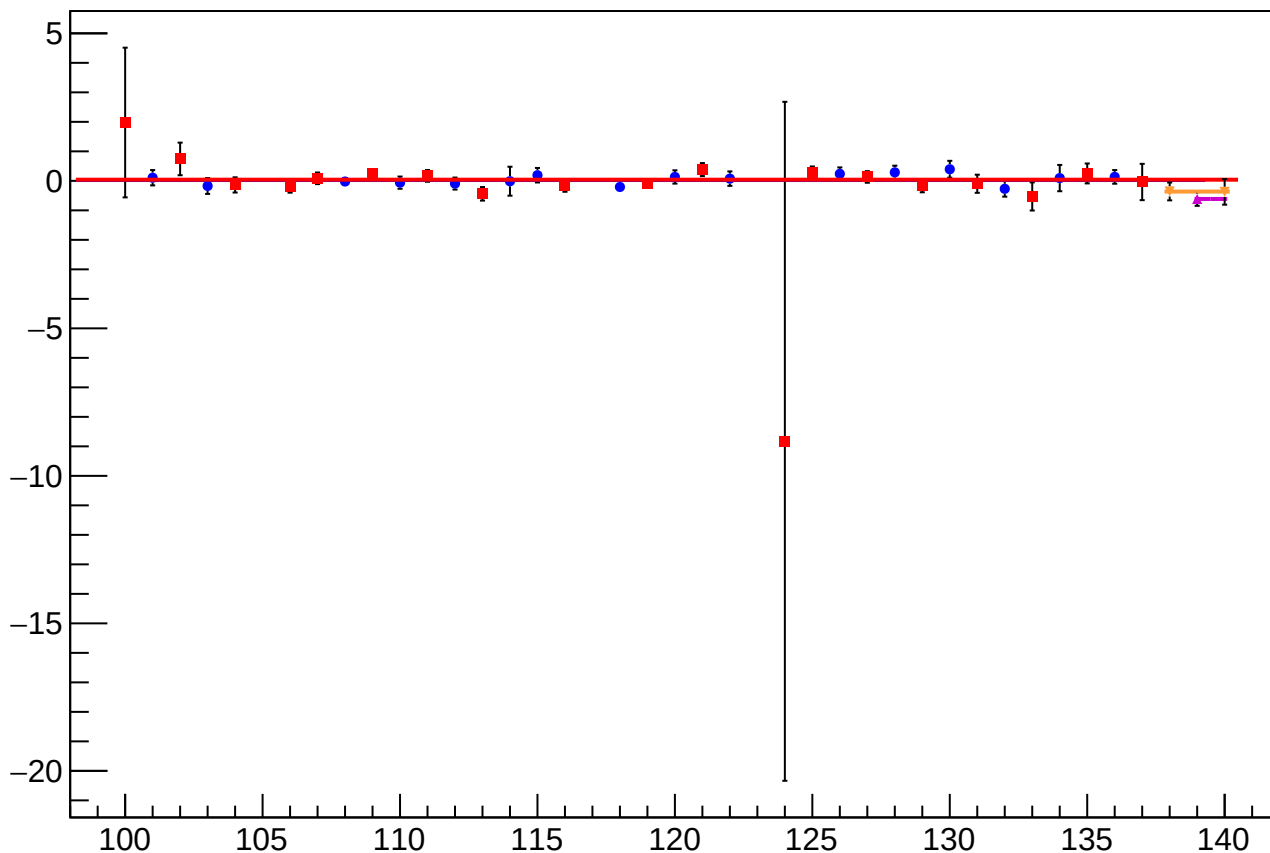
Left In: 202.521+/-0.165 χ^2/NDF :0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 146.047+/-0.027 χ^2/NDF : 3752014.1/37

- sign 138.077+/-0.038 χ^2/NDF : 1768219.6/19

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

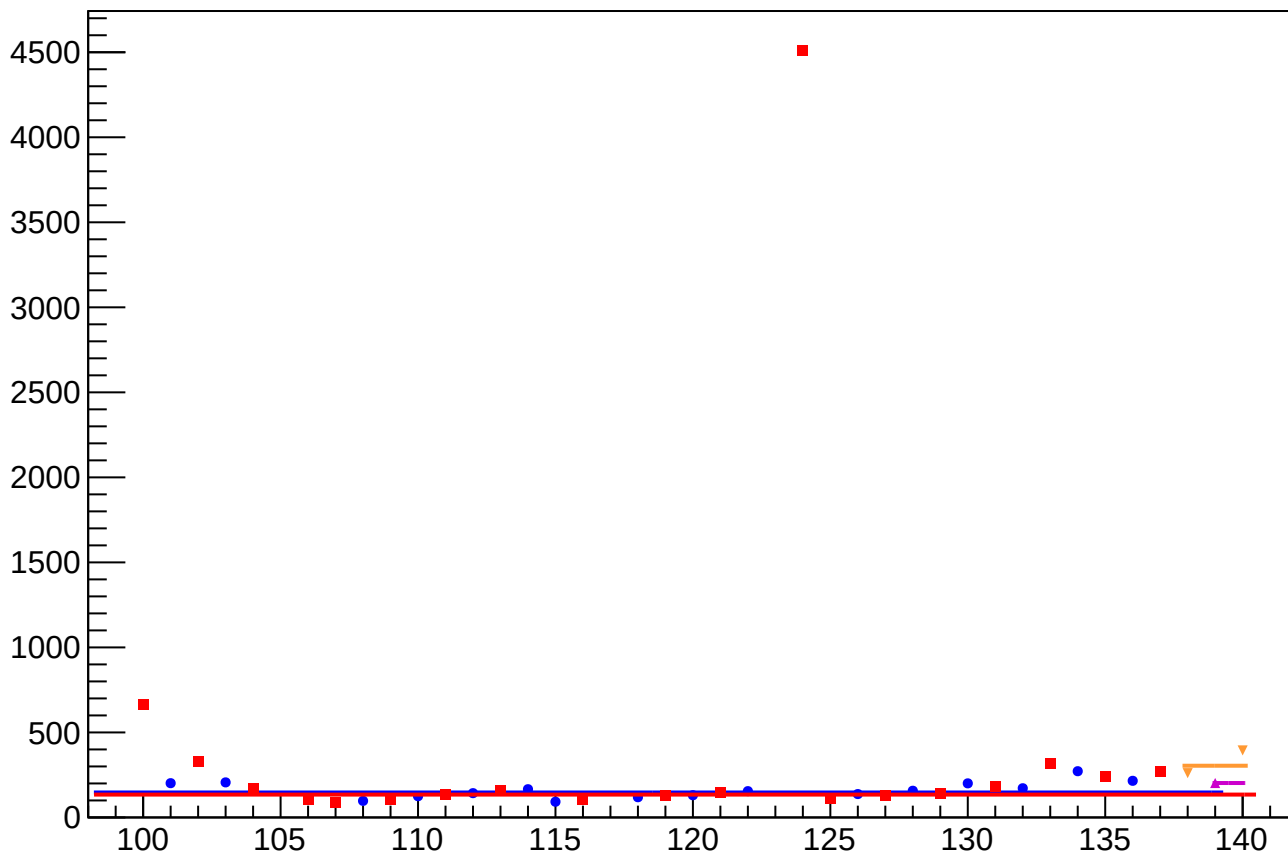
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF :127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

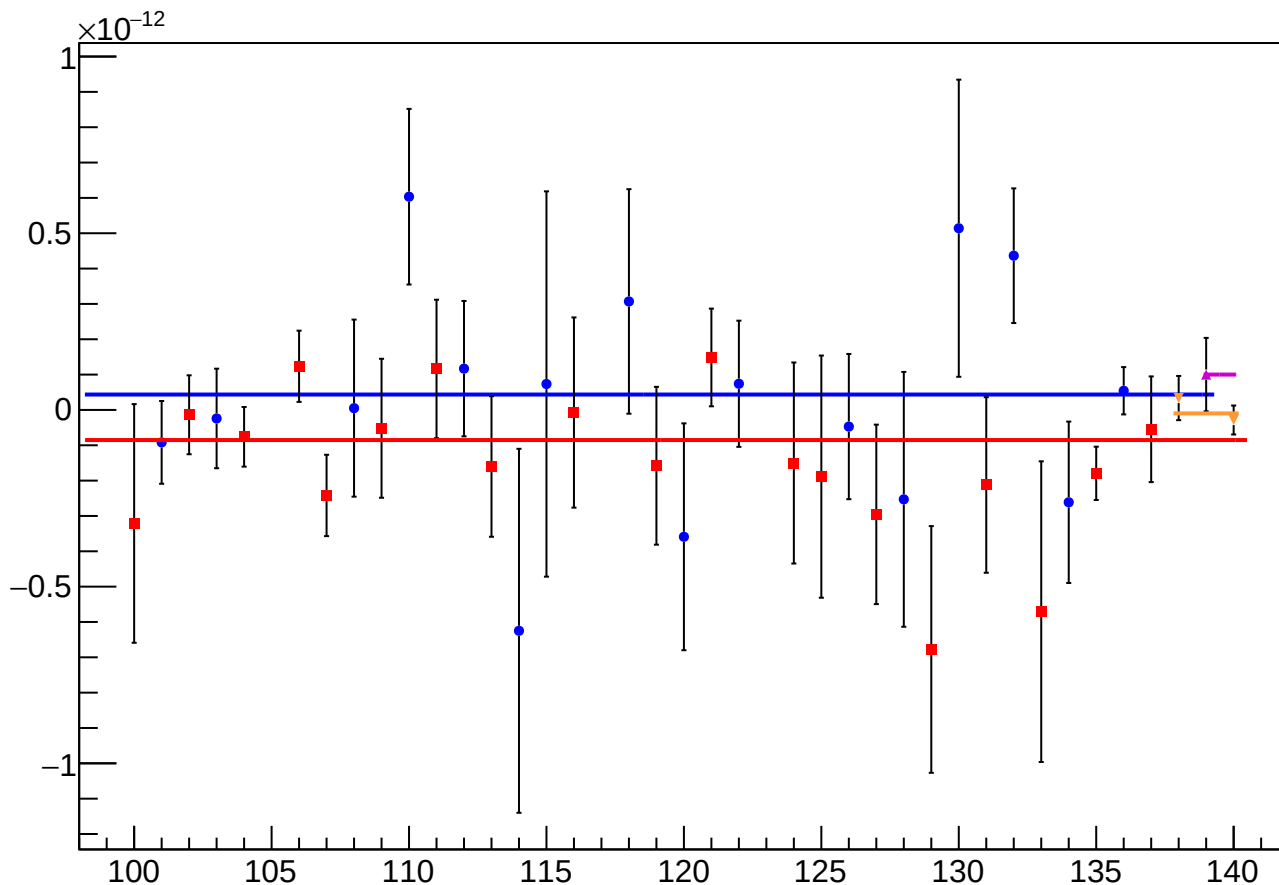
Left In: 202.521+/-0.165 χ^2/NDF :0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 146.047+/-0.027 χ^2/NDF : 3752014.1/37

- sign 138.077+/-0.038 χ^2/NDF : 1768219.6/19

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19.0/15

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

Right Out: -0.000+/-0.000 χ^2/NDF : 18.2/18

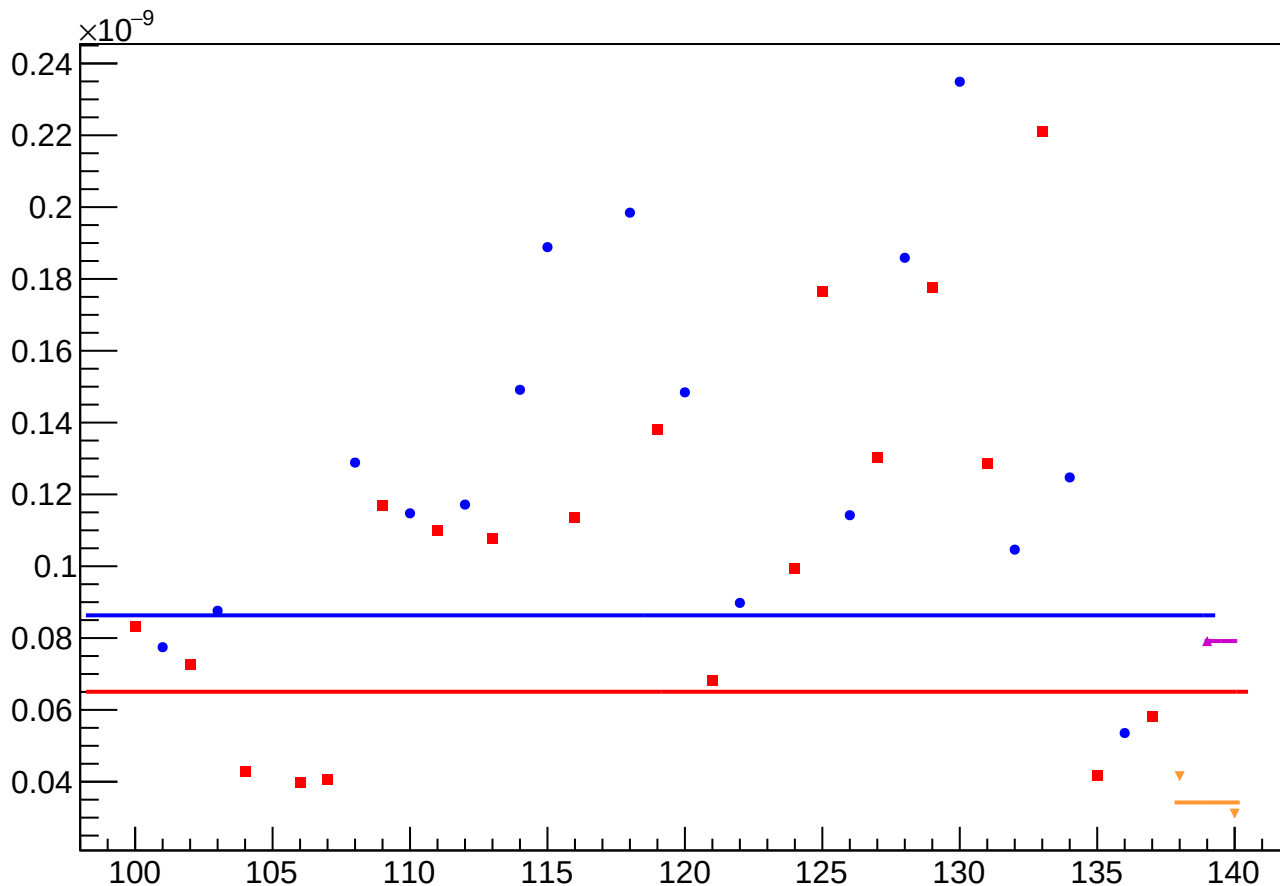
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 20.6/17

All: -0.000+/-0.000 χ^2/NDF : 45.1/37

- sign -0.000+/-0.000 χ^2/NDF : 21.1/19

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

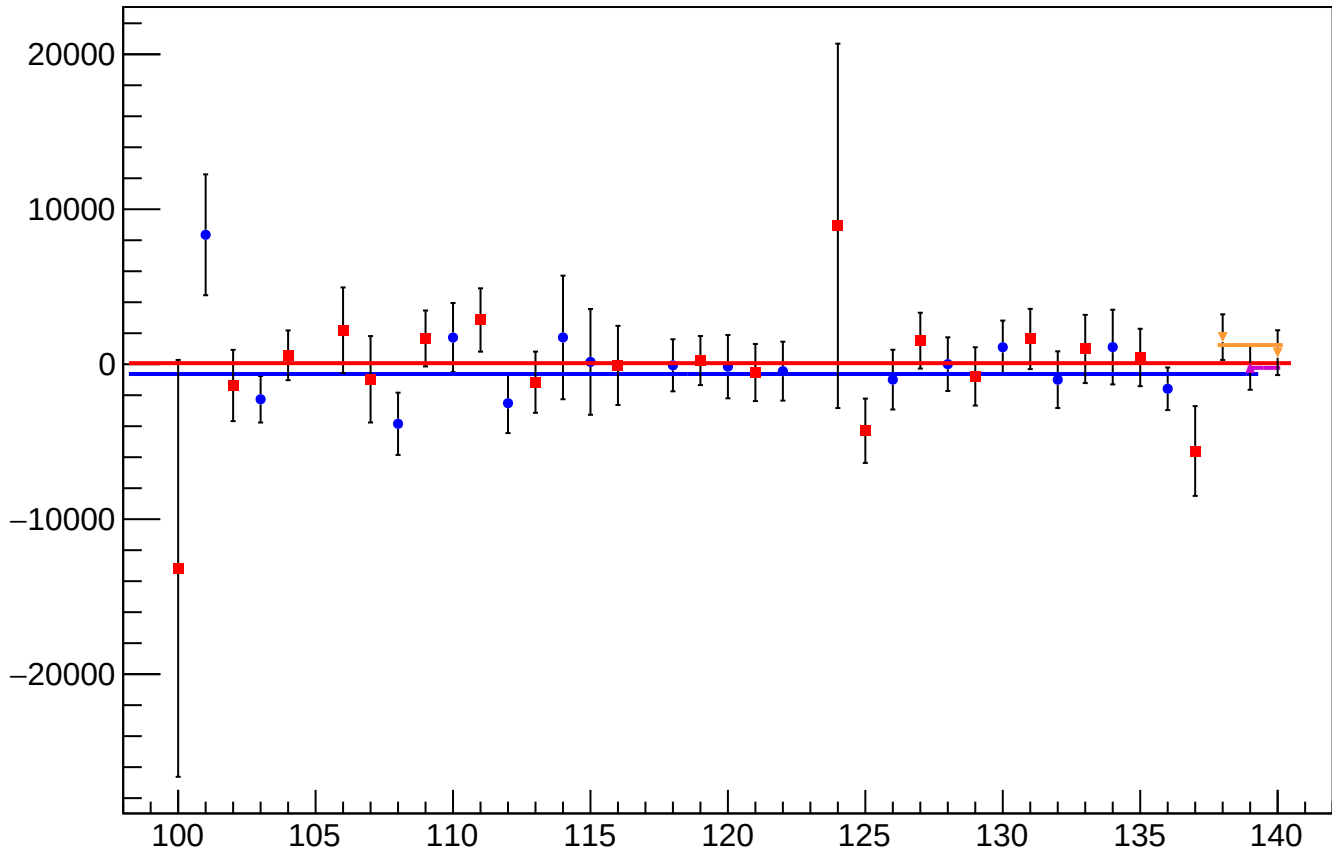
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3414015.0/17

All: 0.000+/-0.000 χ^2/NDF : 5763980.8/37

- sign 0.000+/-0.000 χ^2/NDF : 2192220.6/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

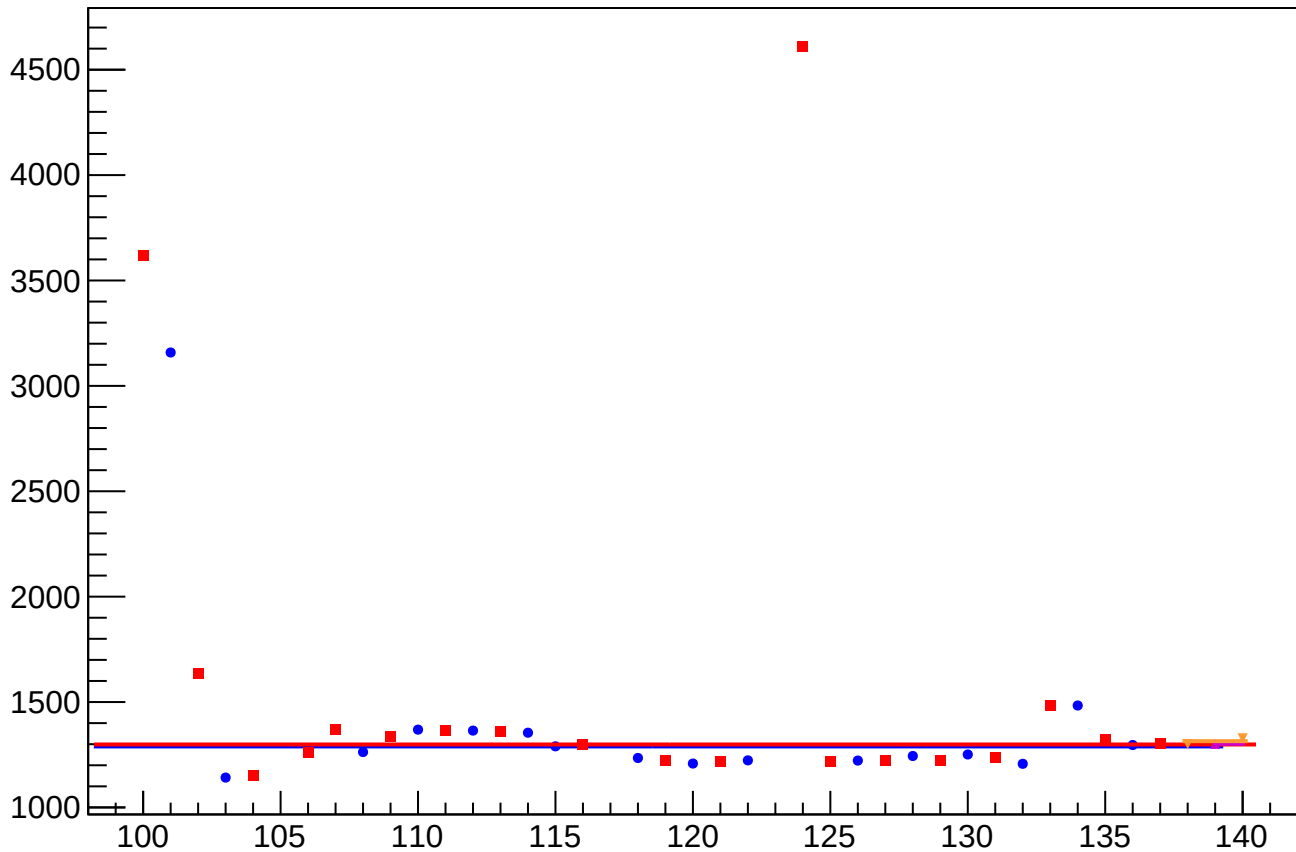
Left In: -233.052+/-1415.193 χ^2/NDF : 0.0/0

+ sign -288.393+/-441.622 χ^2/NDF : 16.8/17

All: -133.343+/-318.951 χ^2/NDF : 33.0/37

- sign 35.715+/-461.139 χ^2/NDF : 15.9/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514675.0/15

Left Out: 1314.384 $\pm$ 0.729 χ^2 /NDF: 353.5/1

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

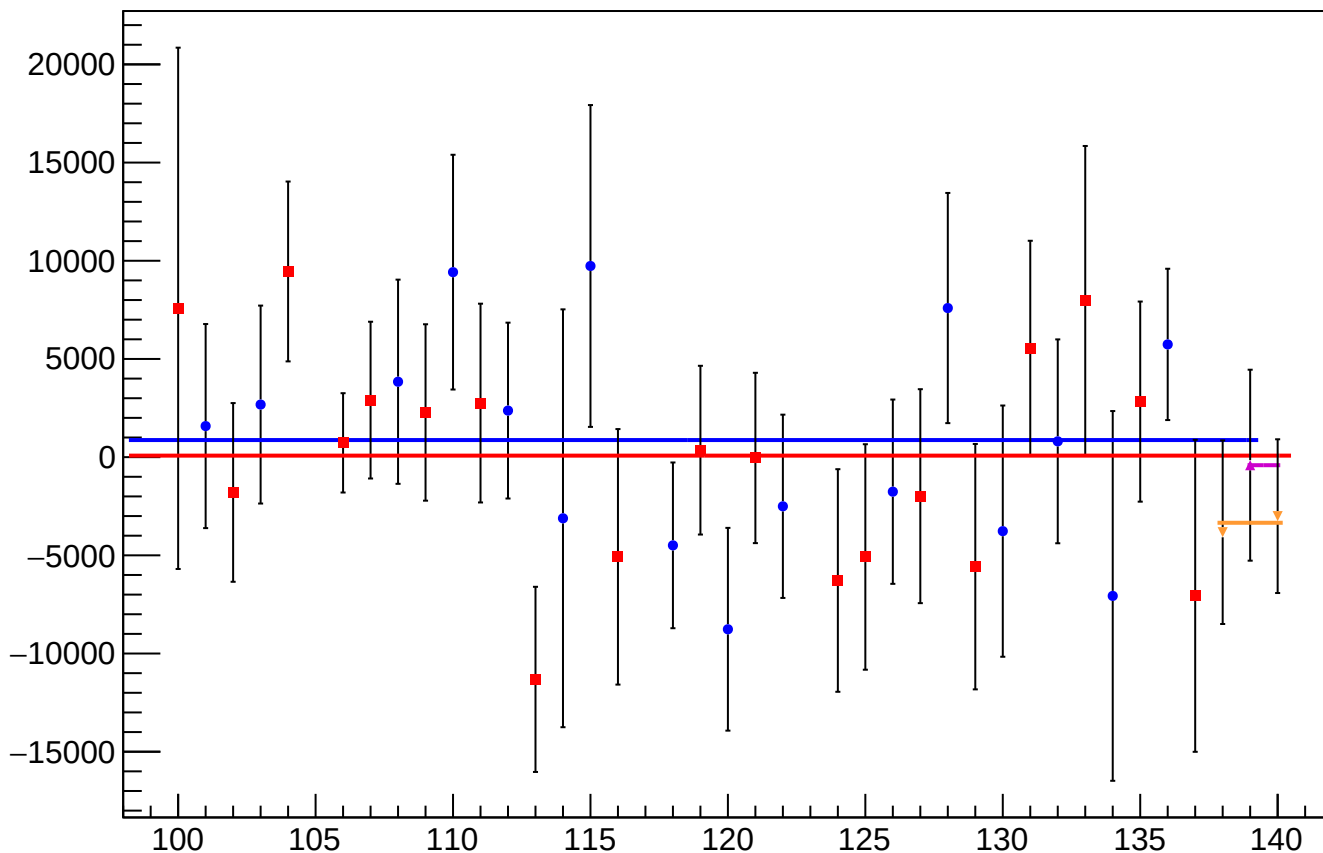
Left In: 1301.933 $\pm$ 1.001 χ^2 /NDF: 0.0/0

+ sign 1294.033 $\pm$ 0.312 χ^2 /NDF: 515981.5/17

All: 1296.416 $\pm$ 0.225 χ^2 /NDF: 835487.4/37

- sign 1299.002 $\pm$ 0.325 χ^2 /NDF: 319384.4/19

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 870.295 $\pm$ 1325.278 χ^2 /NDF: 14.0/15

Left Out: -3341.980 $\pm$ 3000.918 χ^2 /NDF: 0.0/1

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

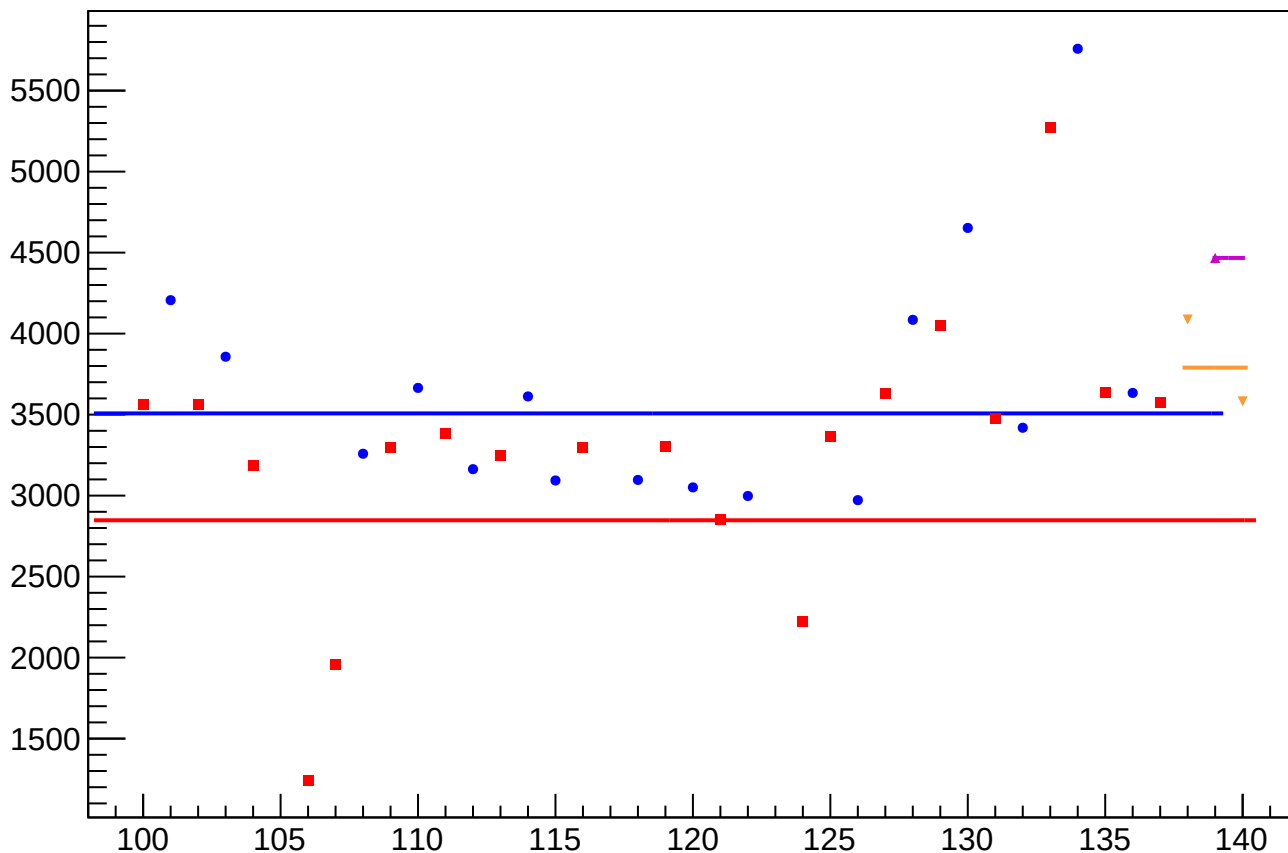
Left In: -410.082 $\pm$ 4862.047 χ^2 /NDF: 0.0/0

+ sign 182.842 $\pm$ 1212.320 χ^2 /NDF: 15.7/17

All: 110.712 $\pm$ 807.724 χ^2 /NDF: 34.1/37

- sign 53.134 $\pm$ 1083.152 χ^2 /NDF: 18.4/19

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug



Right In: 3507.397+/-0.937 χ^2/NDF : 353979.1/15

Left Out: 3790.009+/-2.122 χ^2/NDF : 13720.0/1

Right Out: 2847.833+/-0.786 χ^2/NDF : 1499373.6/18

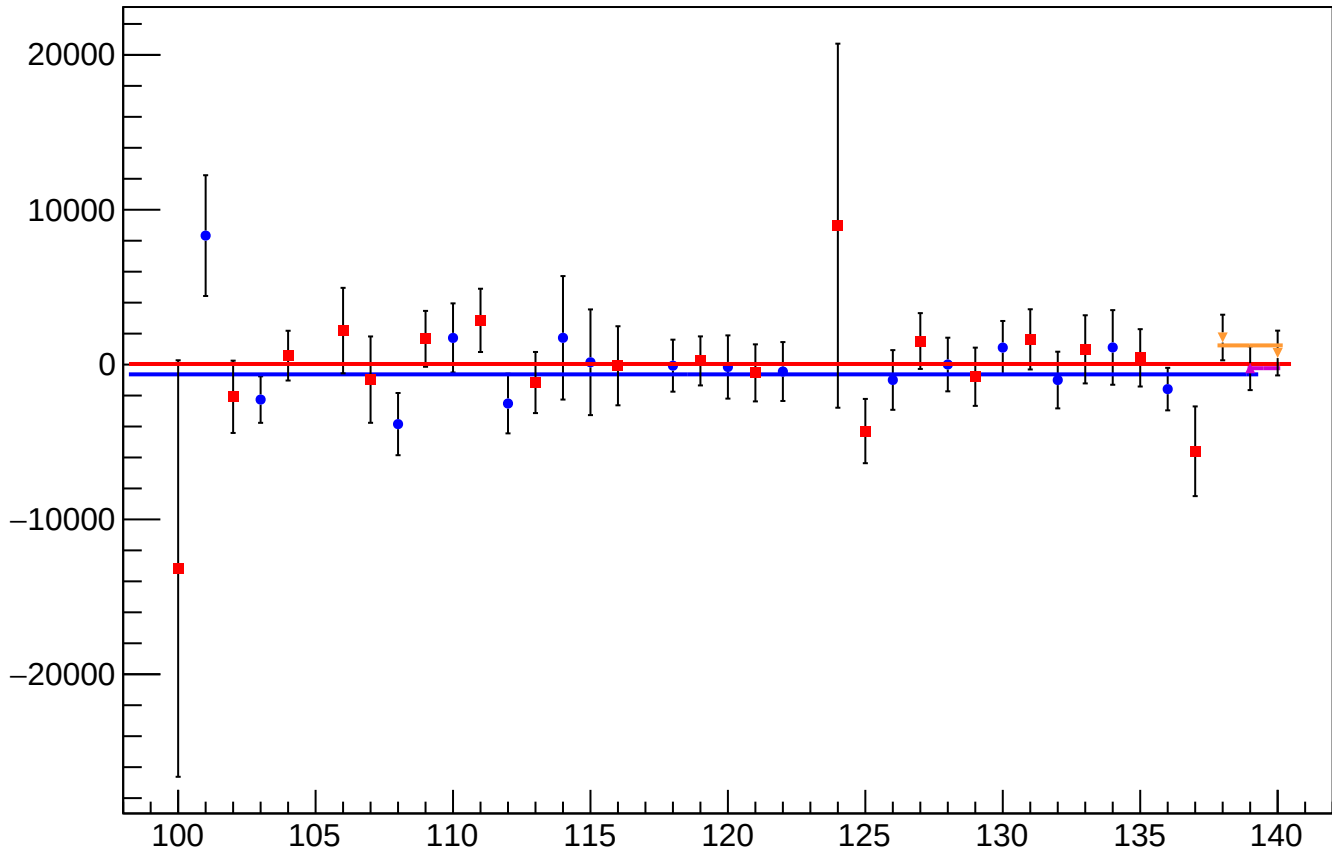
Left In: 4467.227+/-3.438 χ^2/NDF : 0.0/0

+ sign 3553.520+/-0.857 χ^2/NDF : 382542.1/17

All: 3205.785+/-0.571 χ^2/NDF : 2388672.8/37

- sign 2928.203+/-0.766 χ^2/NDF : 1710231.3/19

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609 ± 1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

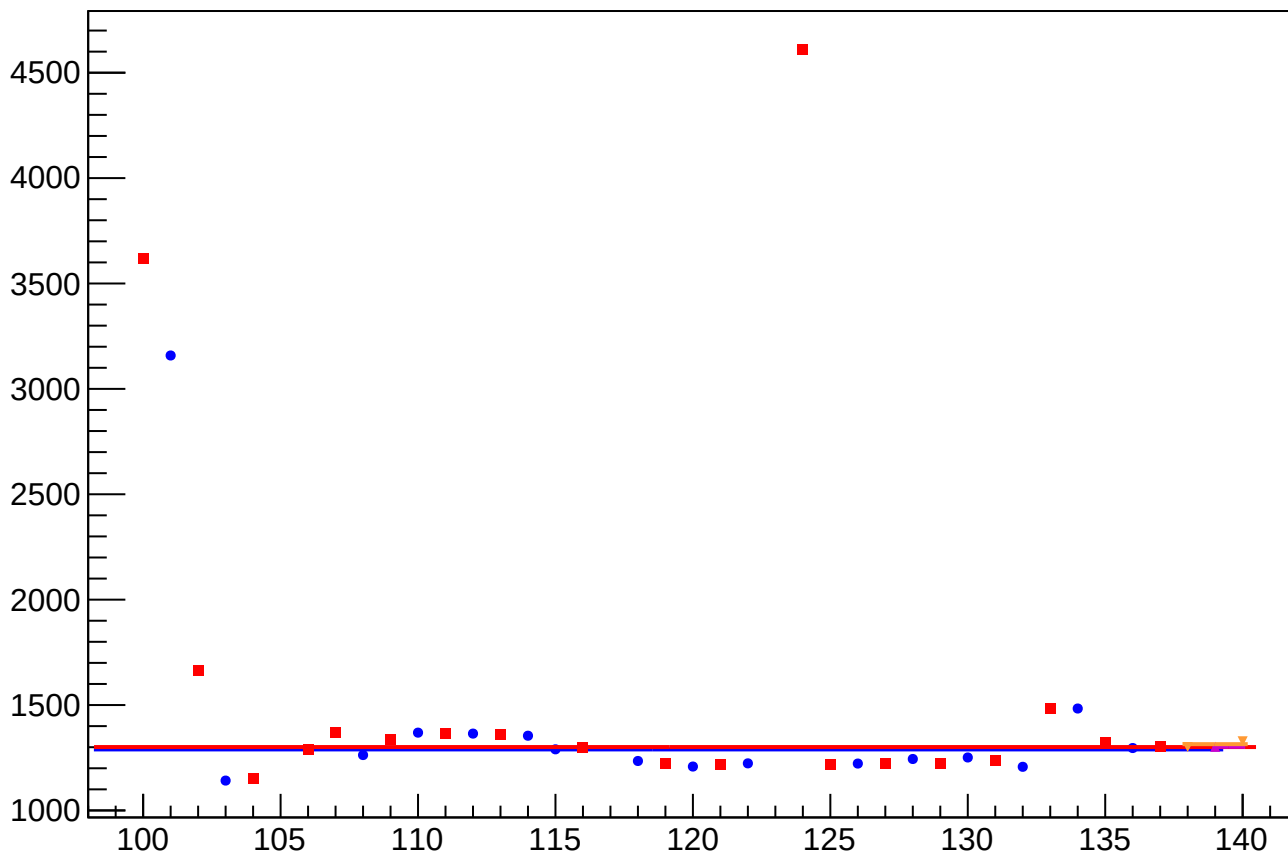
Left In: -233.286 ± 1415.193 χ^2/NDF : 0.0/0

+ sign -288.722 ± 441.622 χ^2/NDF : 16.8/17

All: -146.039 ± 319.041 χ^2/NDF : 33.4/37

- sign 9.718 ± 461.413 χ^2/NDF : 16.4/19

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1314.384 $\pm$ 0.729 χ^2 /NDF: 353.5/1

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

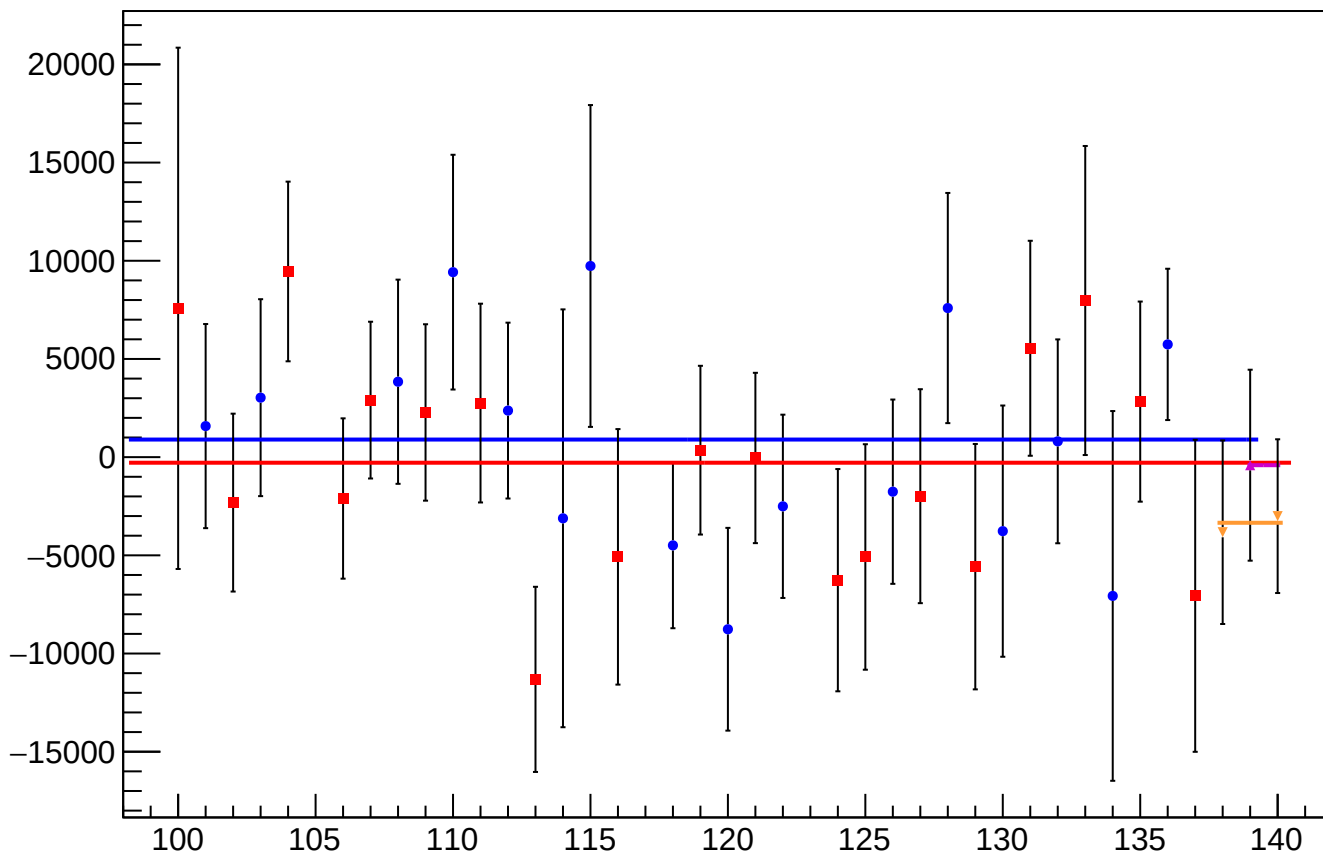
Left In: 1301.933 $\pm$ 1.001 χ^2 /NDF: 0.0/0

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1297.281 $\pm$ 0.225 χ^2 /NDF: 842118.0/37

- sign 1300.816 $\pm$ 0.326 χ^2 /NDF: 325909.0/19

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3342.029 ± 3000.914 χ^2/NDF : 0.0/1

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

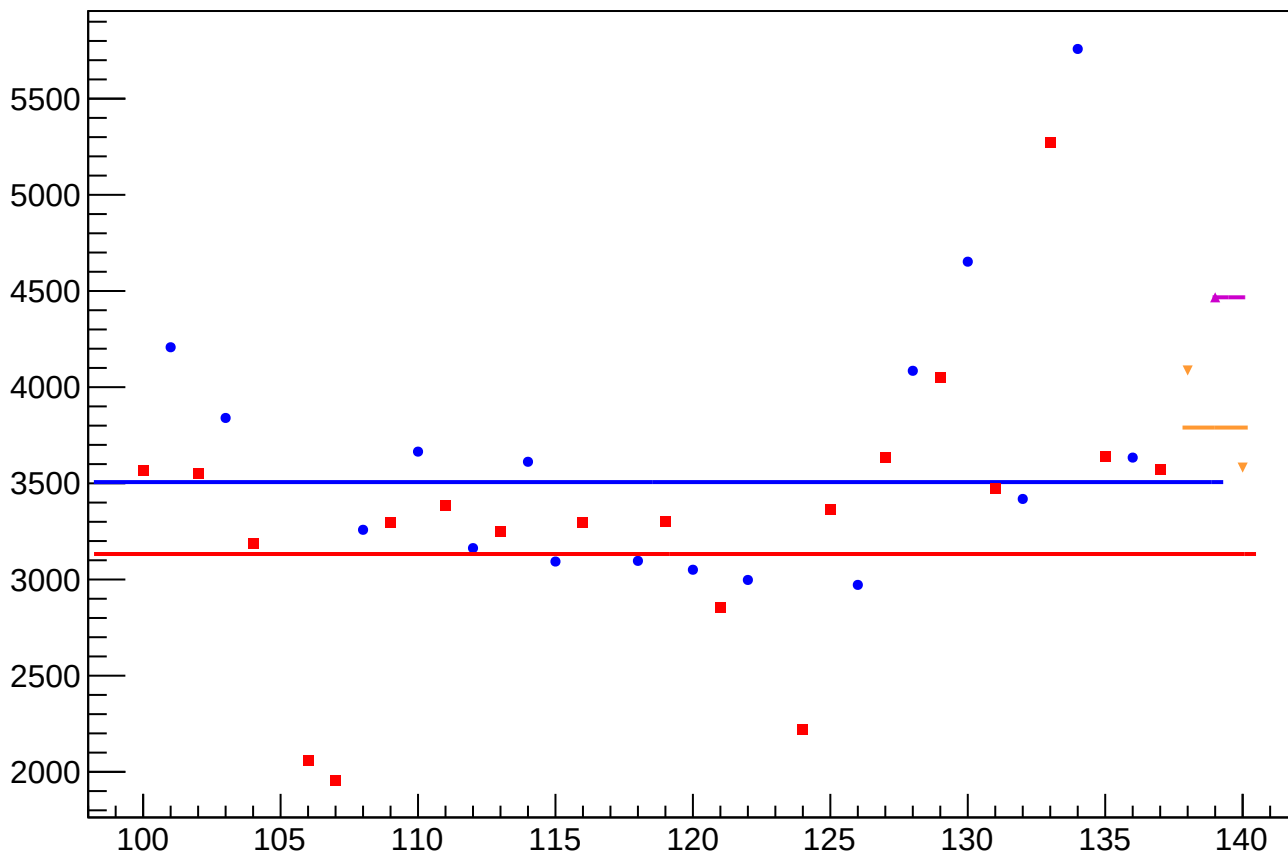
Left In: -410.057 ± 4862.030 χ^2/NDF : 0.0/0

+ sign 204.754 ± 1211.971 χ^2/NDF : 15.8/17

All: -56.209 ± 834.076 χ^2/NDF : 34.5/37

- sign -291.012 ± 1149.621 χ^2/NDF : 18.6/19

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3790.003 $\pm$ 2.122 χ^2 /NDF:13720.3/1

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

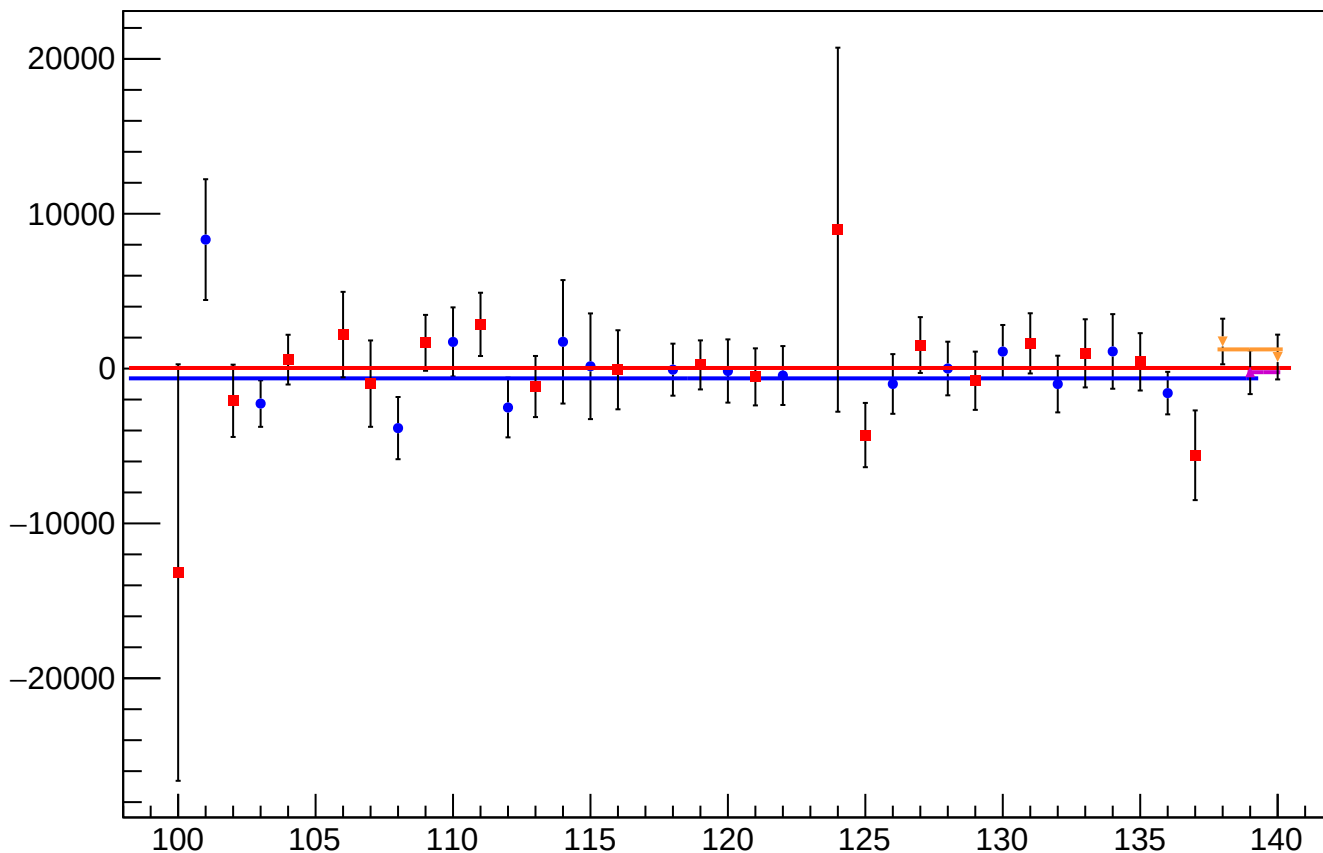
Left In: 4467.211 $\pm$ 3.438 χ^2 /NDF:0.0/0

+ sign 3552.729 $\pm$ 0.857 χ^2 /NDF: 381898.2/17

All: 3370.850 $\pm$ 0.590 χ^2 /NDF: 1259351.3/37

- sign 3207.203 $\pm$ 0.813 χ^2 /NDF: 791885.7/19

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

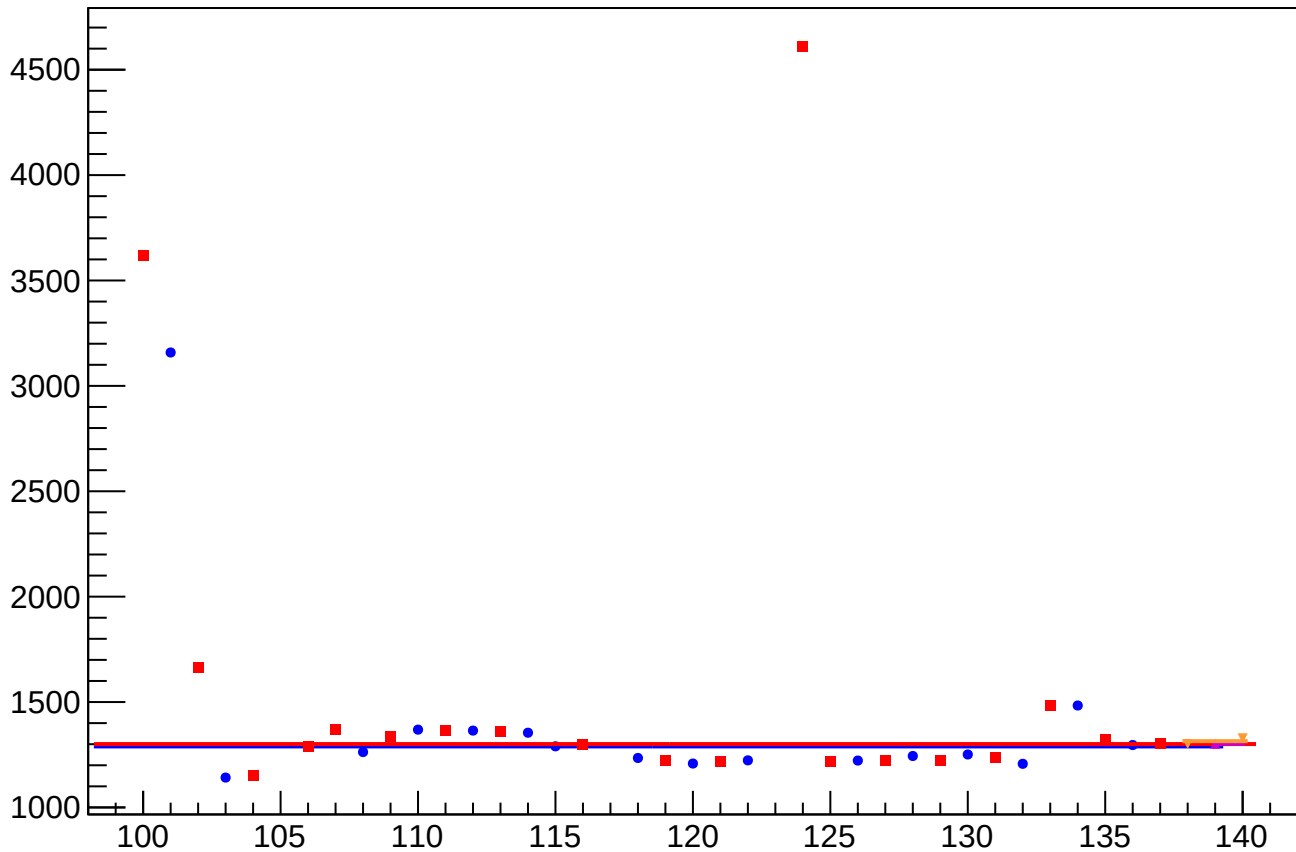
Left In: -233.286+/-1415.193 χ^2/NDF : 0.0/0

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -146.039+/-319.041 χ^2/NDF : 33.4/37

- sign 9.718+/-461.413 χ^2/NDF : 16.4/19

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: 1314.384+/-0.729 χ^2/NDF : 353.5/1

+ sign 1294.032+/-0.312 χ^2/NDF : 515983.0/17

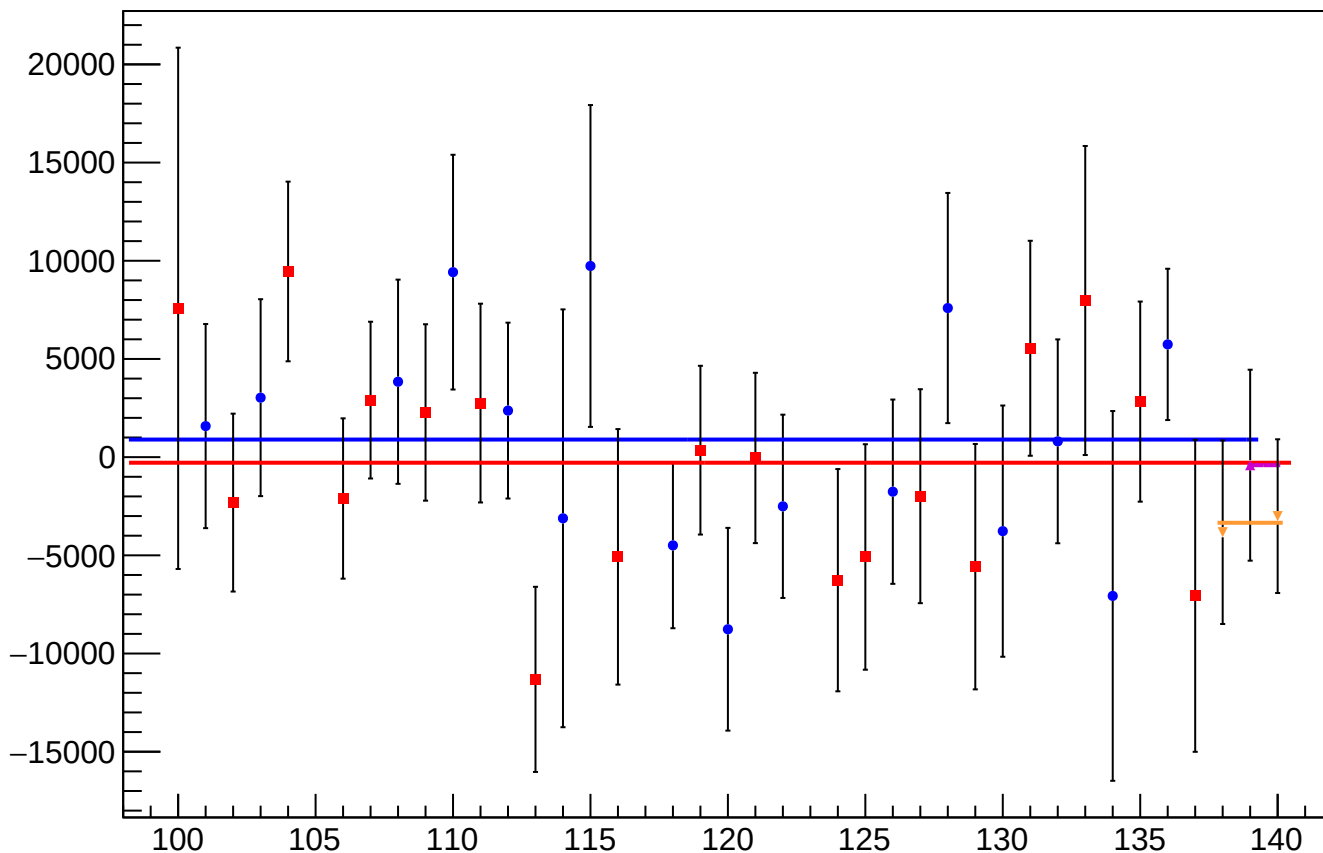
Right Out: 1300.684+/-0.344 χ^2/NDF : 325907.6/18

All: 1297.281+/-0.225 χ^2/NDF : 842118.0/37

- sign 1300.816+/-0.326 χ^2/NDF : 325909.0/19

Left In: 1301.933+/-1.001 χ^2/NDF : 0.0/0

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3342.029 ± 3000.914 χ^2/NDF : 0.0/1

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

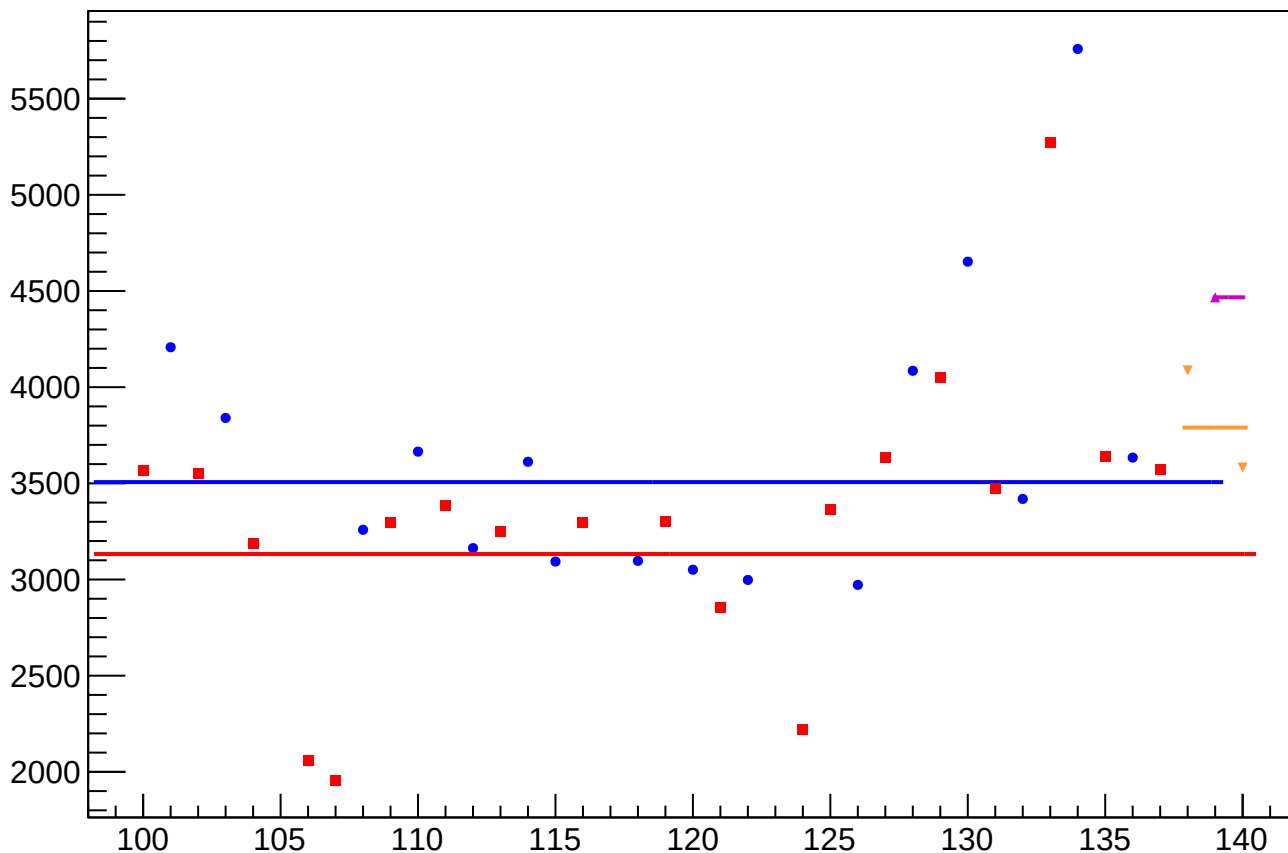
Left In: -410.057 ± 4862.030 χ^2/NDF : 0.0/0

+ sign 204.754 ± 1211.971 χ^2/NDF : 15.8/17

All: -56.209 ± 834.076 χ^2/NDF : 34.5/37

- sign -291.012 ± 1149.621 χ^2/NDF : 18.6/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3790.003 $\pm$ 2.122 χ^2 /NDF:13720.3/1

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

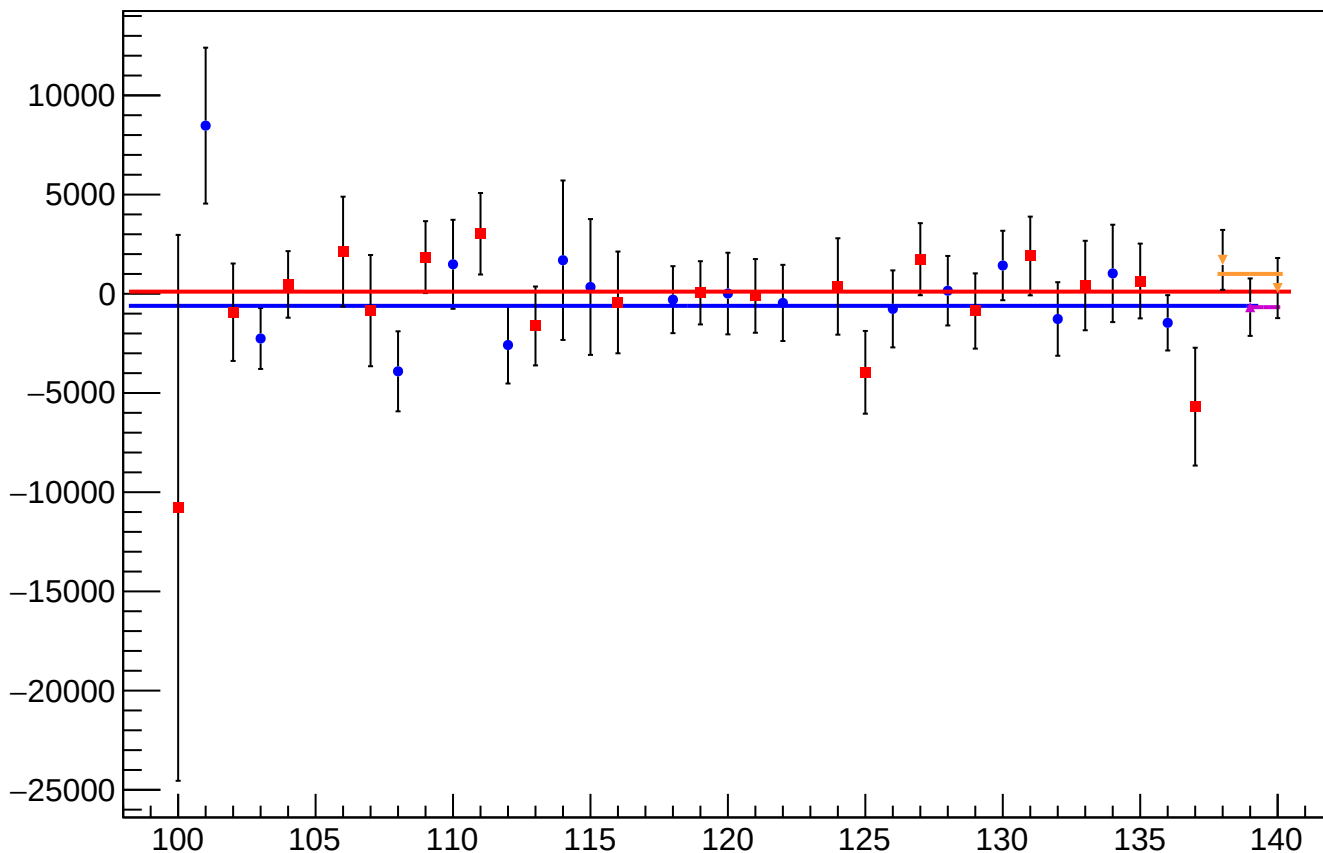
Left In: 4467.211 $\pm$ 3.438 χ^2 /NDF:0.0/0

+ sign 3552.729 $\pm$ 0.857 χ^2 /NDF: 381898.2/17

All: 3370.850 $\pm$ 0.590 χ^2 /NDF: 1259351.3/37

- sign 3207.203 $\pm$ 0.813 χ^2 /NDF: 791885.7/19

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 1001.801 ± 1069.457 χ^2/NDF : 0.4/1

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

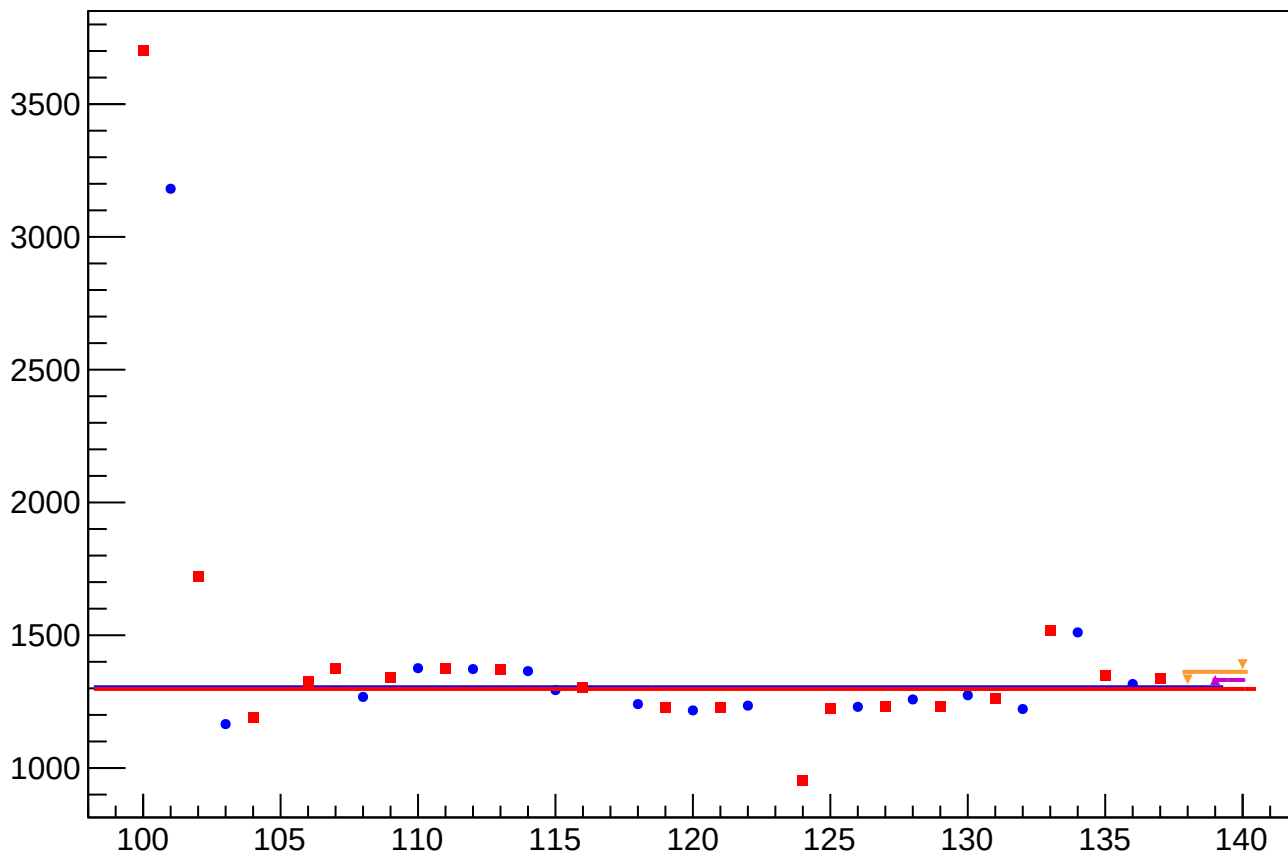
Left In: -674.162 ± 1448.021 χ^2/NDF : 0.0/0

+ sign -324.610 ± 448.603 χ^2/NDF : 16.4/17

All: -152.137 ± 321.287 χ^2/NDF : 31.9/37

- sign 29.495 ± 460.360 χ^2/NDF : 15.1/19

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.4/15

Left Out: 1362.076 $\pm$ 0.756 χ^2 /NDF:1440.8/1

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

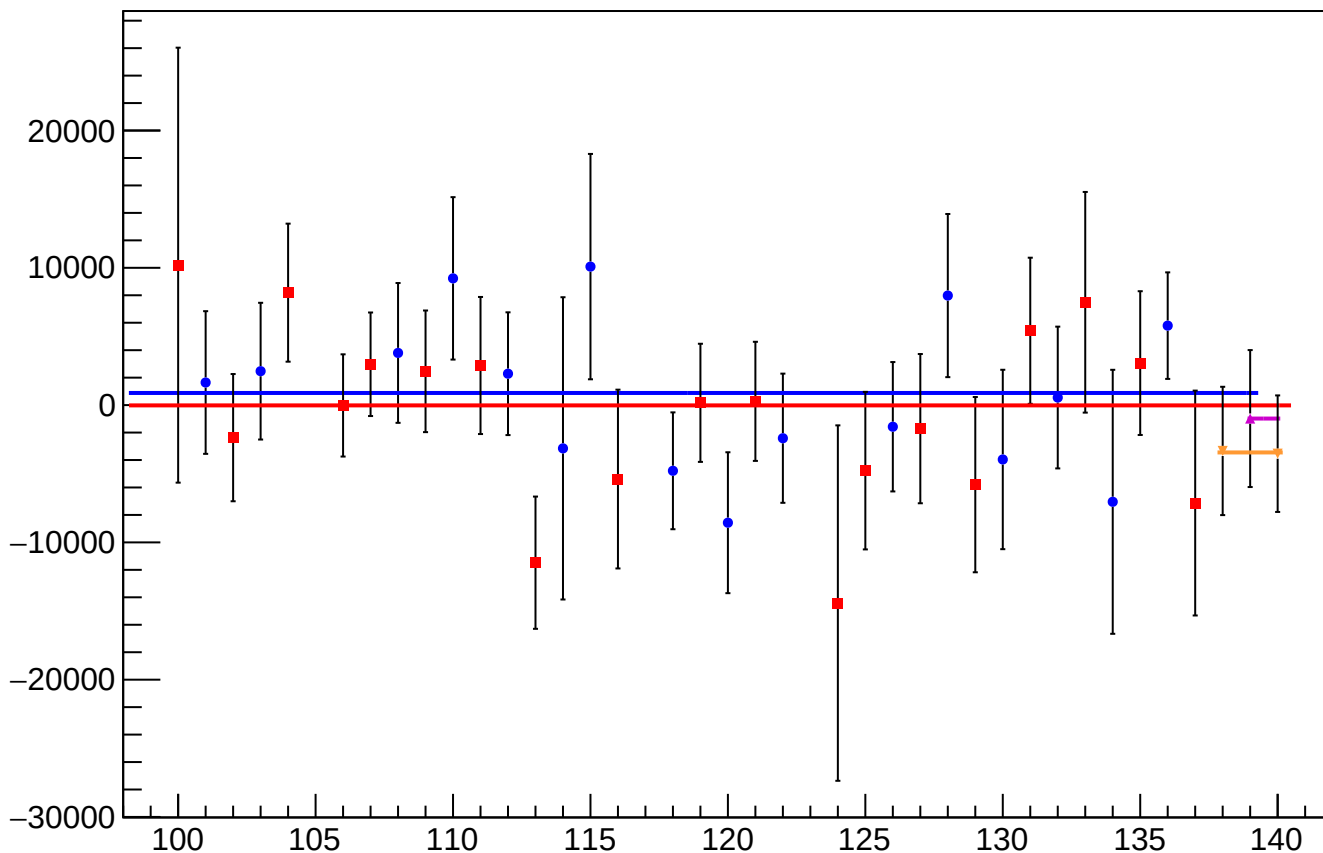
Left In: 1331.596 $\pm$ 1.024 χ^2 /NDF:0.0/0

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.2/17

All: 1307.920 $\pm$ 0.227 χ^2 /NDF: 731780.4/37

- sign 1301.208 $\pm$ 0.325 χ^2 /NDF: 214076.6/19

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: 884.058 ± 1327.399 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3448.190 ± 3141.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -20.681 ± 1200.015 $\chi^2/\text{NDF}: 16.8/18$

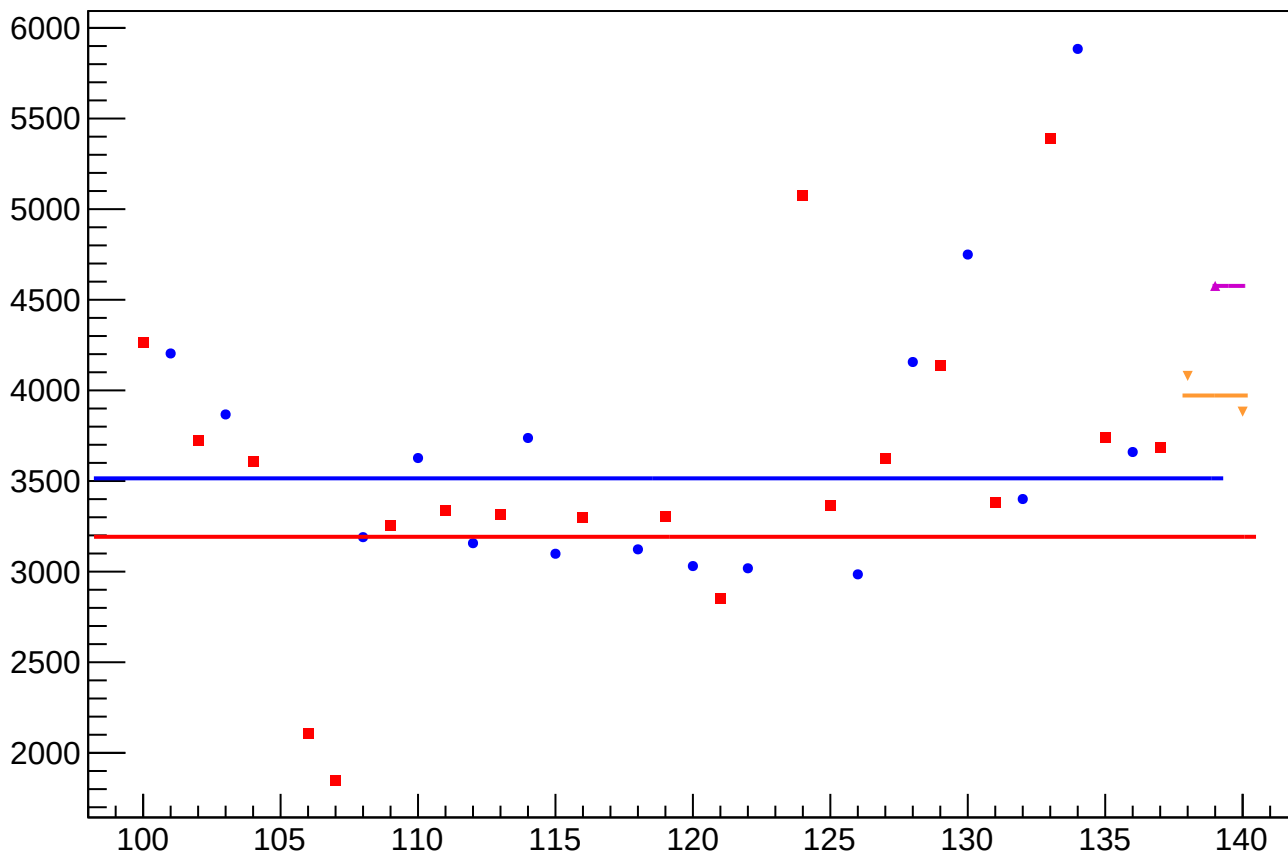
Left In: -980.044 ± 4987.994 $\chi^2/\text{NDF}: 0.0/0$

+ sign 227.910 ± 1222.752 $\chi^2/\text{NDF}: 15.7/17$

All: 70.314 ± 844.111 $\chi^2/\text{NDF}: 32.6/37$

- sign -73.170 ± 1166.725 $\chi^2/\text{NDF}: 16.9/19$

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF : 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF : 1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF : 772495.7/18

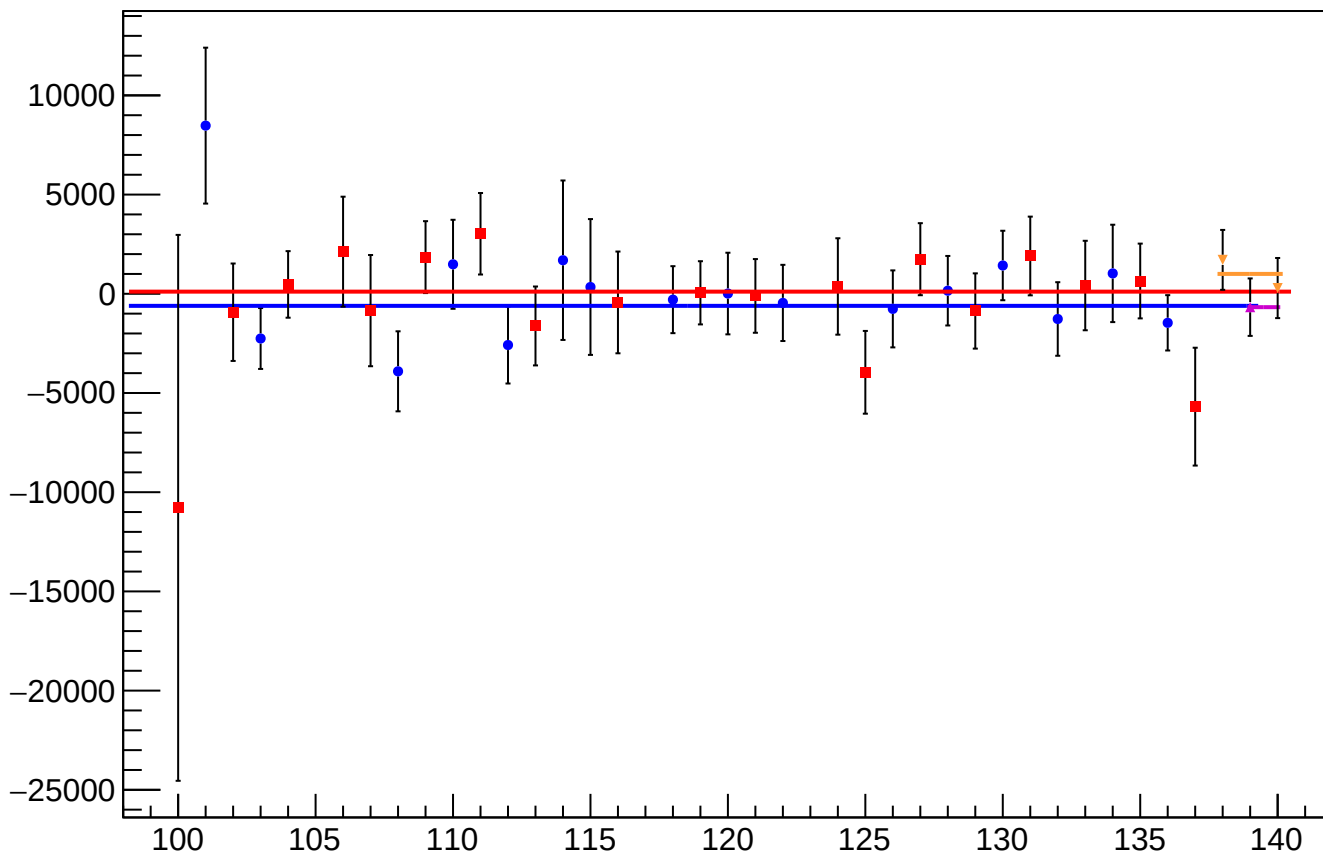
Left In: 4576.548+/-3.527 χ^2/NDF : 0.0/0

+ sign 3583.970+/-0.865 χ^2/NDF : 412942.2/17

All: 3418.551+/-0.597 χ^2/NDF : 1400990.5/37

- sign 3267.944+/-0.825 χ^2/NDF : 918118.9/19

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF : 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF : 0.4/1

Right Out: 108.619+/-485.553 χ^2/NDF : 14.9/18

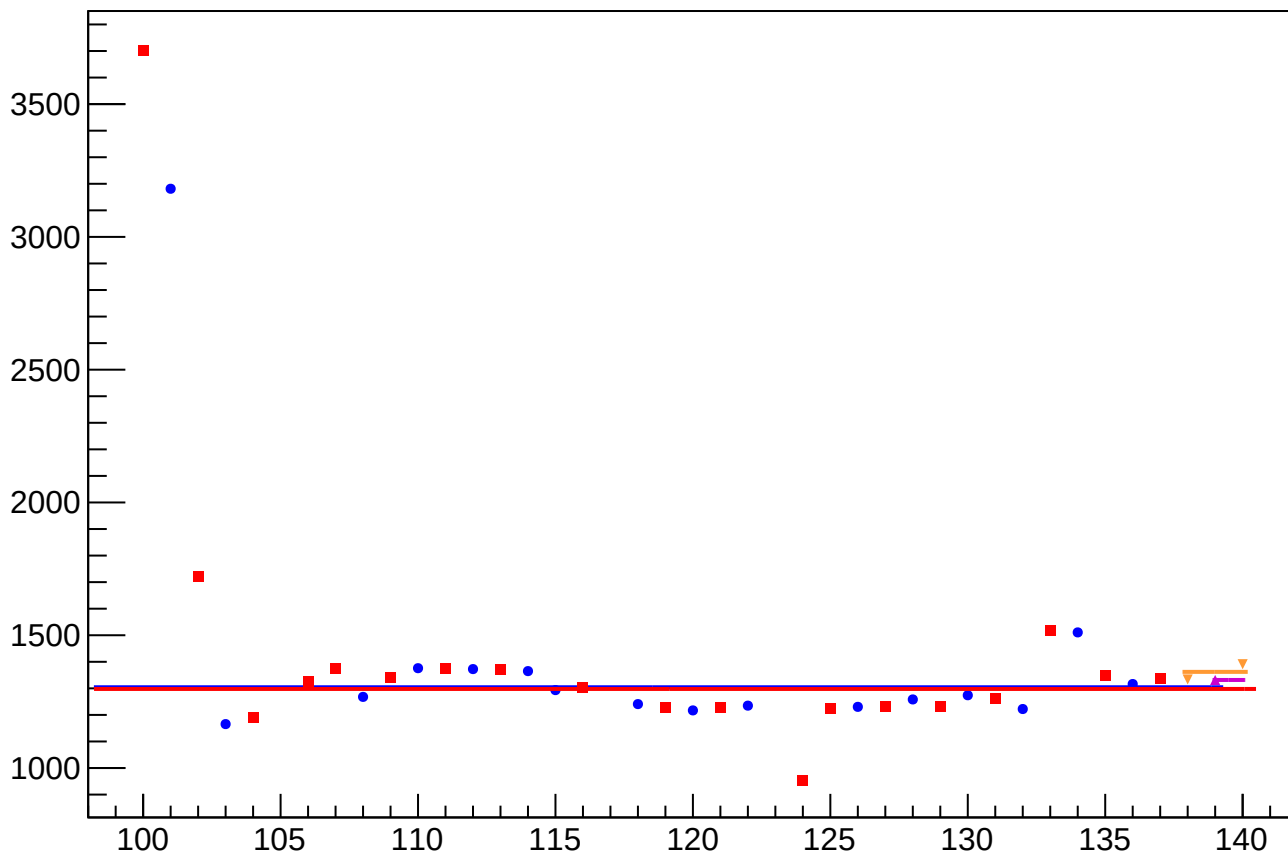
Left In: -674.178+/-1448.023 χ^2/NDF : 0.0/0

+ sign -324.614+/-448.603 χ^2/NDF : 16.4/17

All: -152.137+/-321.287 χ^2/NDF : 31.9/37

- sign 29.498+/-460.360 χ^2/NDF : 15.1/19

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.6/15

Left Out: 1362.076 $\pm$ 0.756 χ^2 /NDF:1440.8/1

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

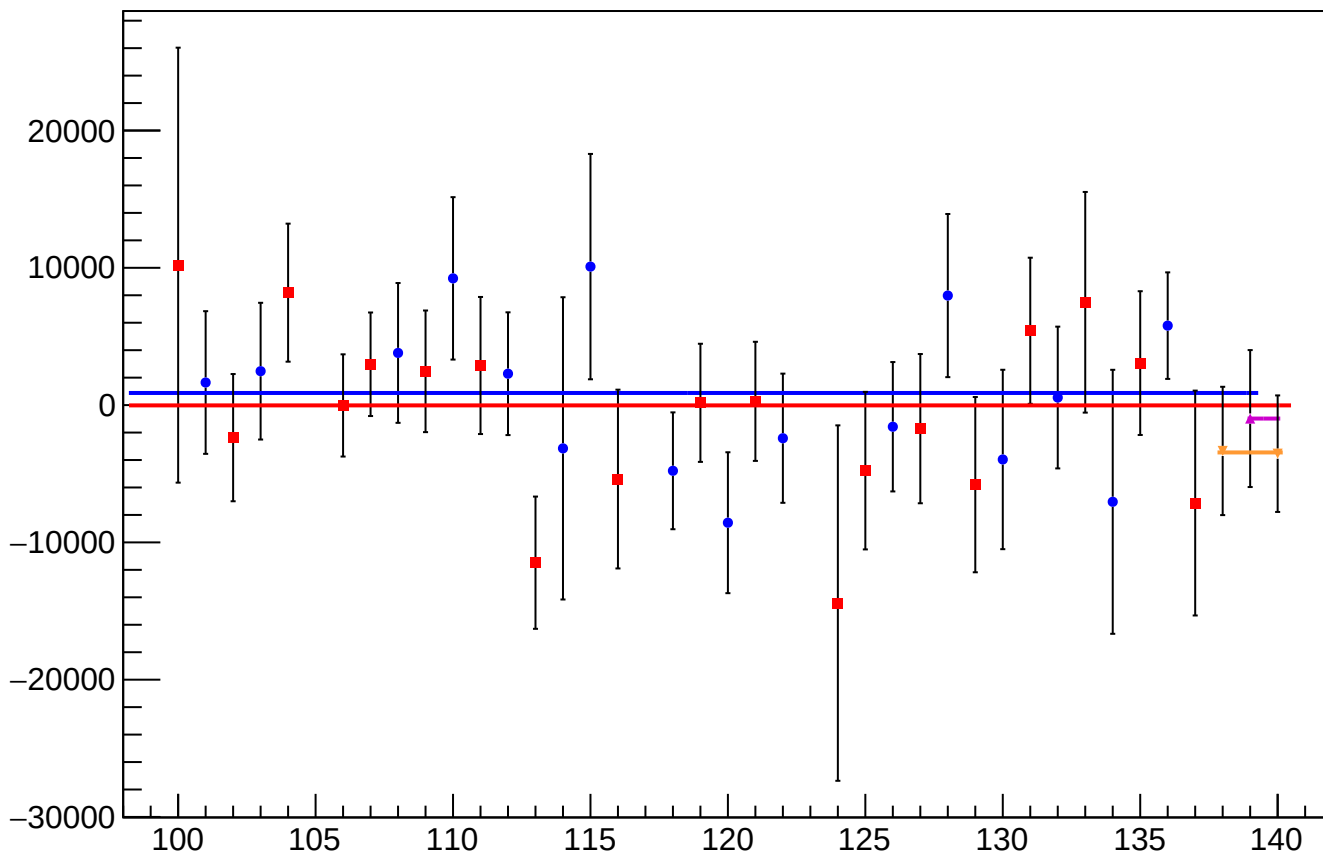
Left In: 1331.597 $\pm$ 1.024 χ^2 /NDF:0.0/0

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.4/17

All: 1307.920 $\pm$ 0.227 χ^2 /NDF: 731780.8/37

- sign 1301.208 $\pm$ 0.325 χ^2 /NDF: 214076.8/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 ± 1327.396 χ^2/NDF : 14.1/15

Left Out: -3448.191 ± 3141.919 χ^2/NDF : 0.0/1

Right Out: -20.677 ± 1200.012 χ^2/NDF : 16.8/18

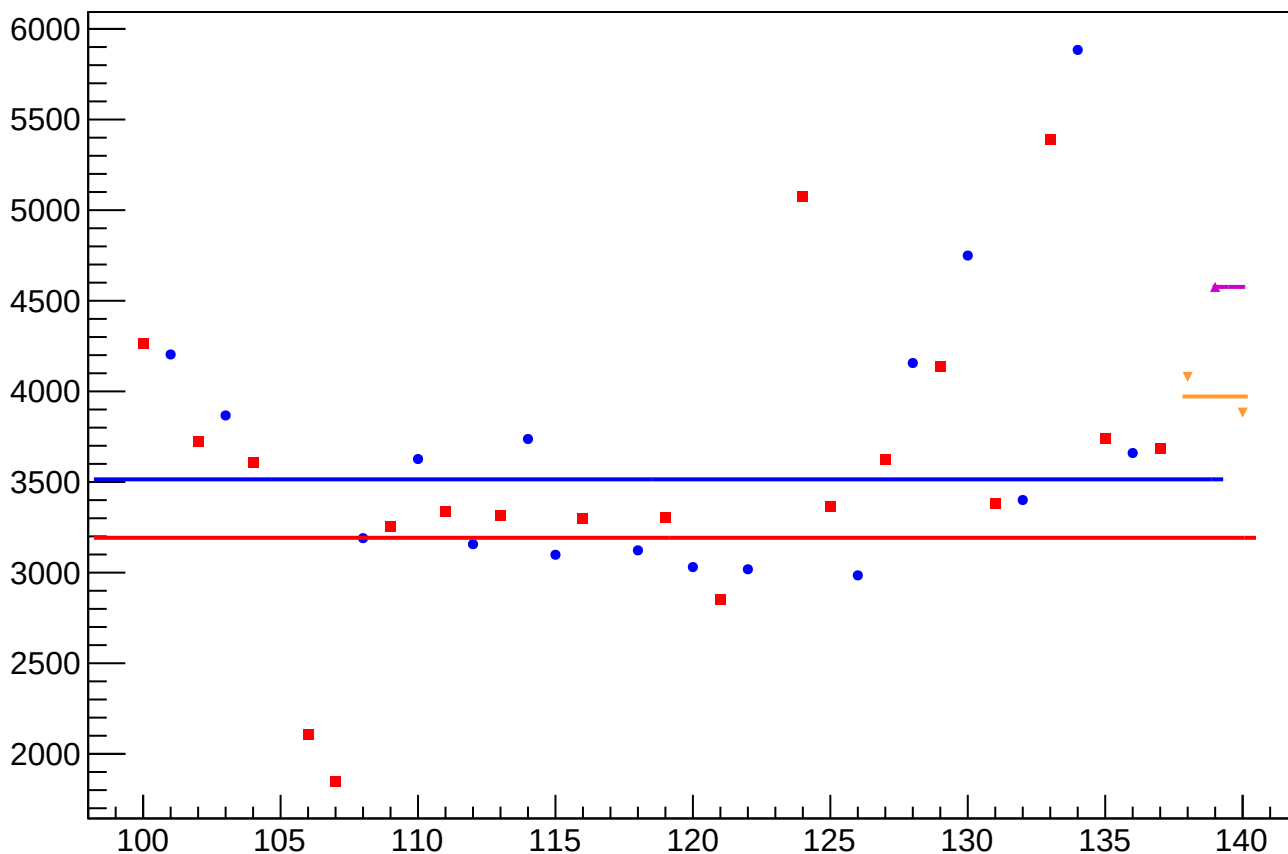
Left In: -980.063 ± 4988.009 χ^2/NDF : 0.0/0

+ sign 227.905 ± 1222.750 χ^2/NDF : 15.7/17

All: 70.314 ± 844.110 χ^2/NDF : 32.6/37

- sign -73.167 ± 1166.723 χ^2/NDF : 16.9/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737+/-0.939 χ^2/NDF : 375082.8/15

Left Out: 3971.806+/-2.222 χ^2/NDF : 1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF : 772497.9/18

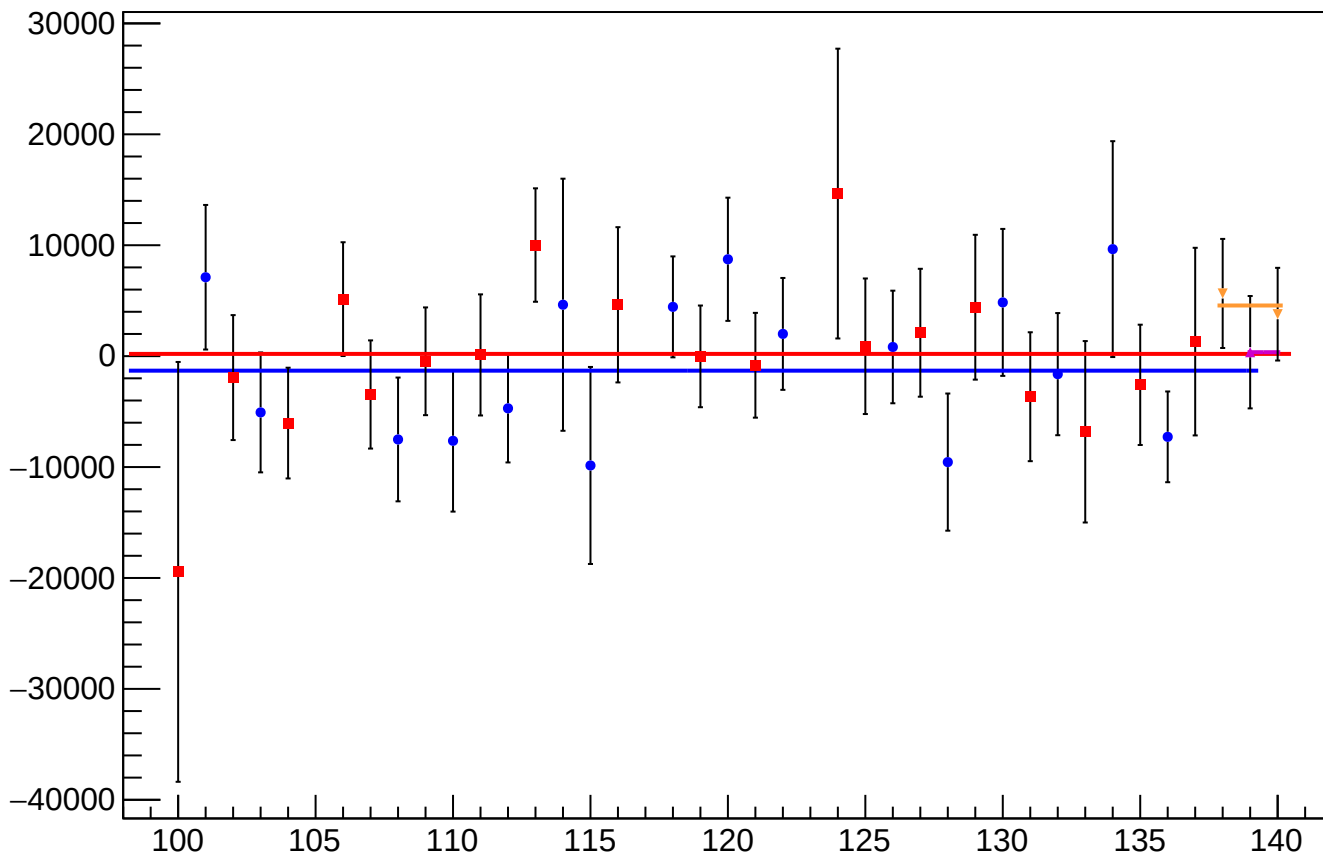
Left In: 4576.562+/-3.527 χ^2/NDF : 0.0/0

+ sign 3583.962+/-0.865 χ^2/NDF : 412948.9/17

All: 3418.544+/-0.597 χ^2/NDF : 1401003.5/37

- sign 3267.937+/-0.825 χ^2/NDF : 918124.9/19

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 4566.386 ± 3184.192 χ^2/NDF : 0.1/1

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

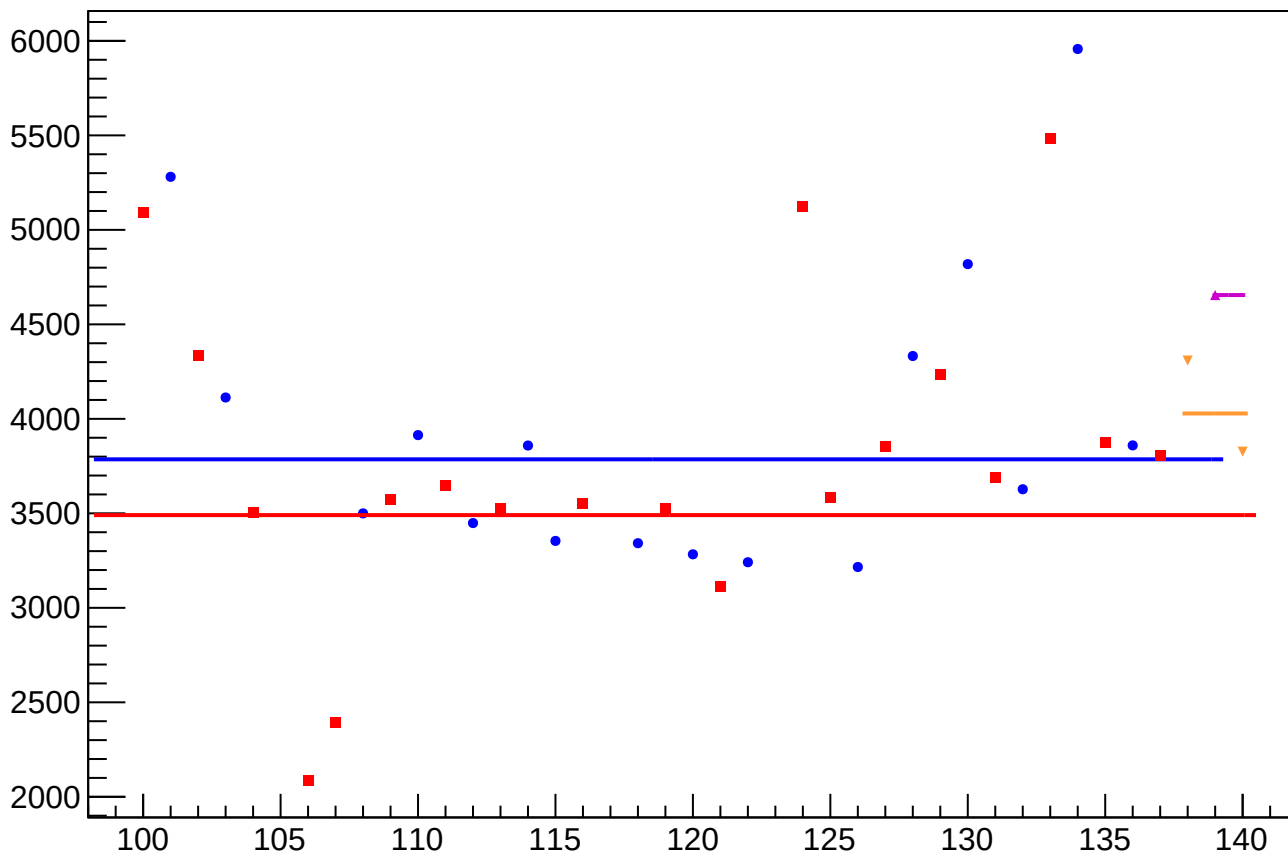
Left In: 355.078 ± 5065.536 χ^2/NDF : 0.0/0

+ sign -321.330 ± 1305.722 χ^2/NDF : 20.5/17

All: -52.038 ± 918.353 χ^2/NDF : 32.2/37

- sign 211.576 ± 1291.882 χ^2/NDF : 11.6/19

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF : 11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

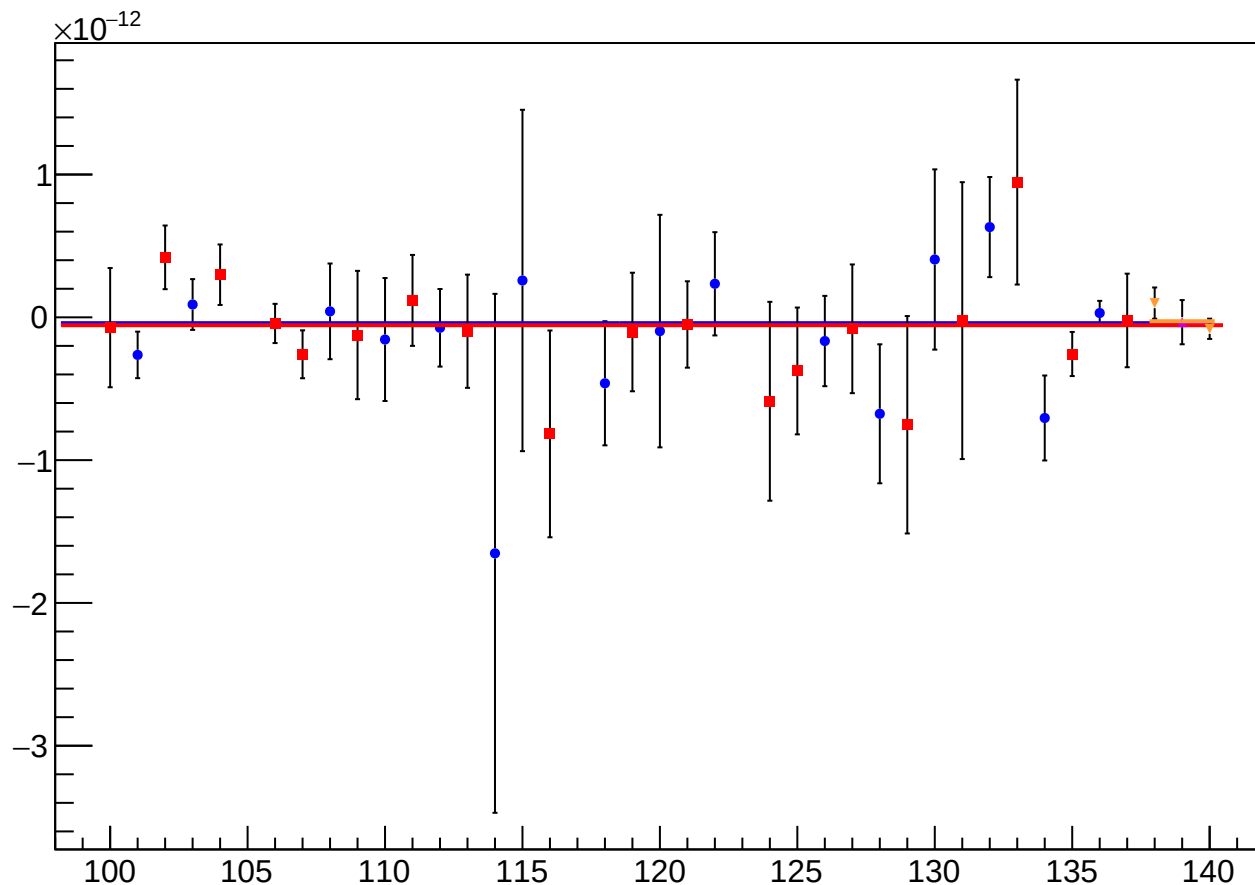
Left In: 4655.020+/-3.582 χ^2/NDF : 0.0/0

+ sign 3826.565+/-0.923 χ^2/NDF : 403814.1/17

All: 3692.418+/-0.645 χ^2/NDF : 1130761.0/37

- sign 3564.428+/-0.902 χ^2/NDF : 685694.9/19

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.9/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

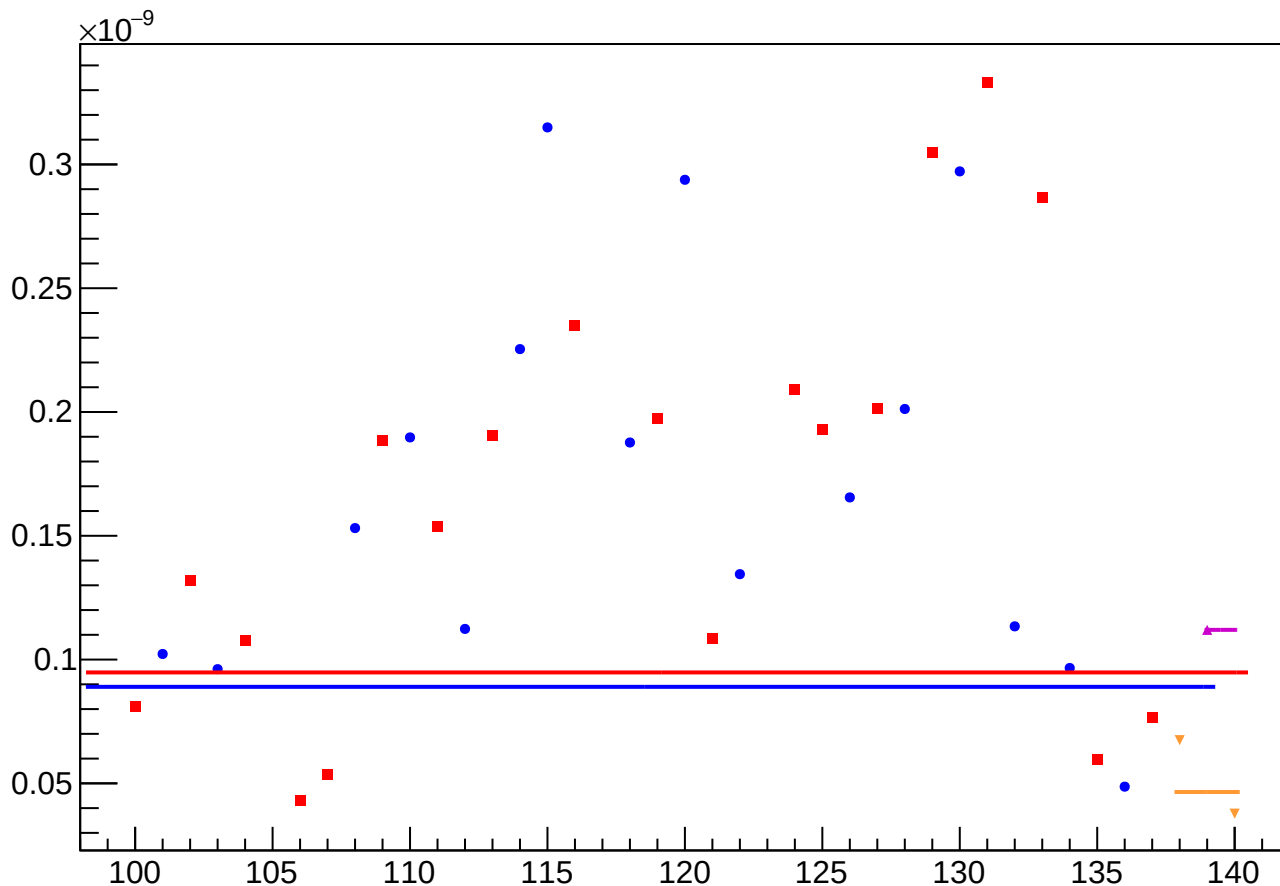
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/19

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

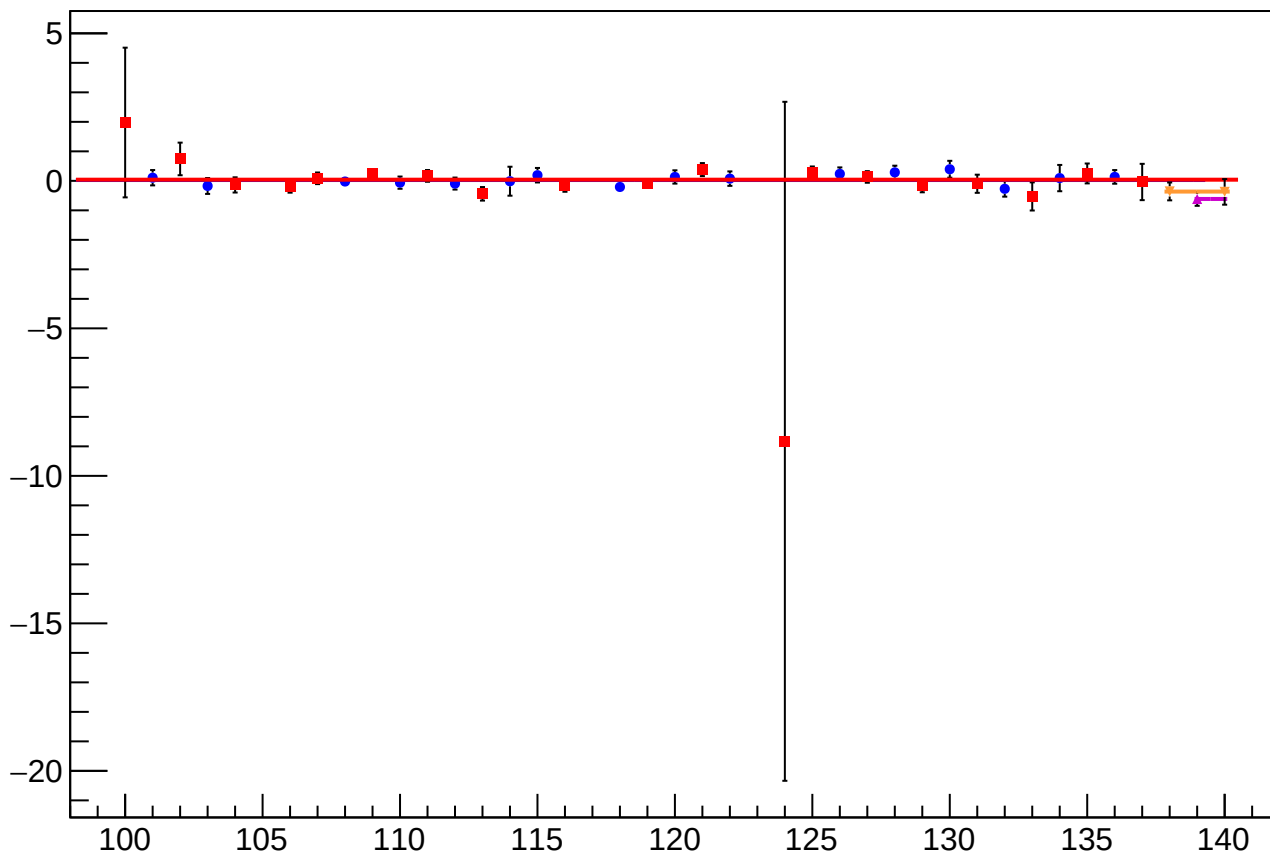
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2078463.8/17

All: 0.000+/-0.000 χ^2/NDF : 4163394.4/37

- sign 0.000+/-0.000 χ^2/NDF : 1755700.6/19

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

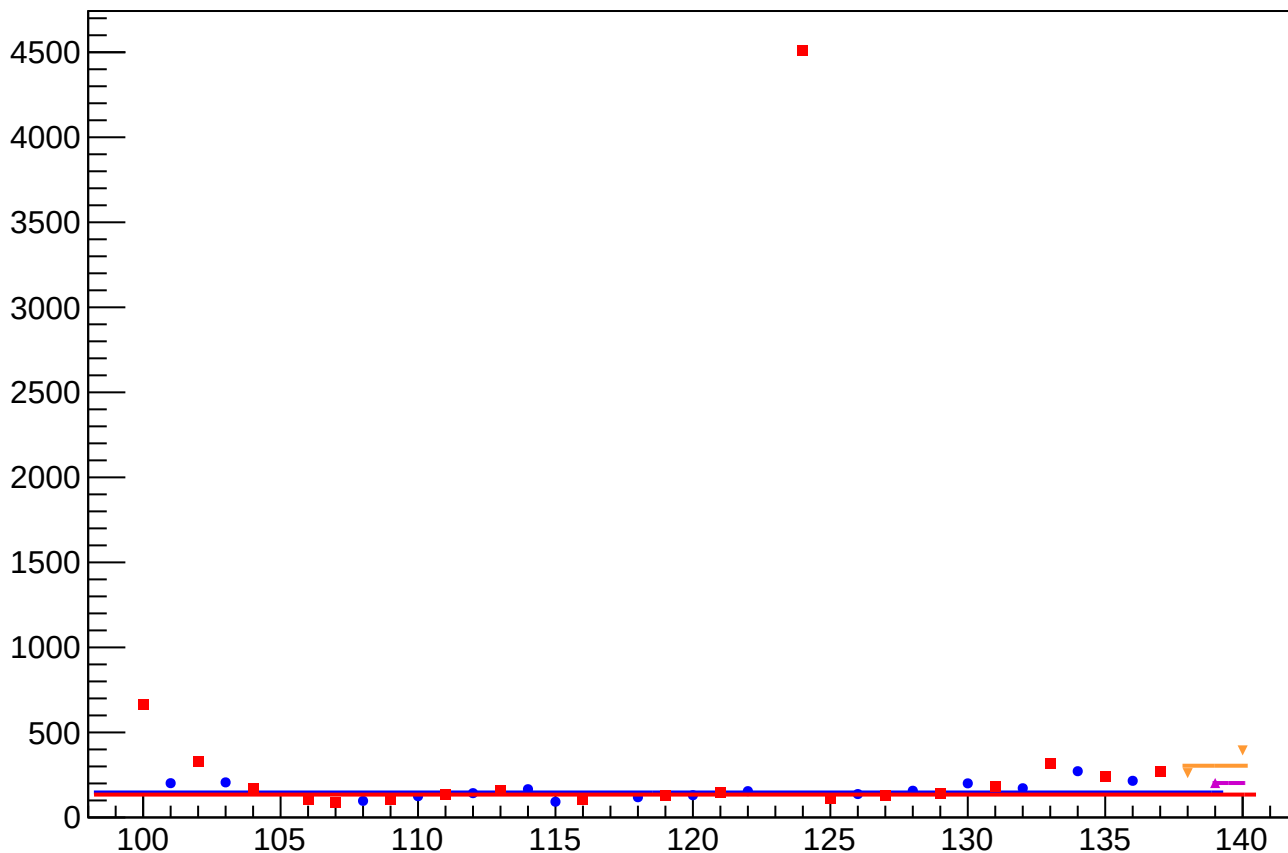
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 304.199 $\pm$ 0.175 χ^2 /NDF:127821.7/1

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889526.4/17

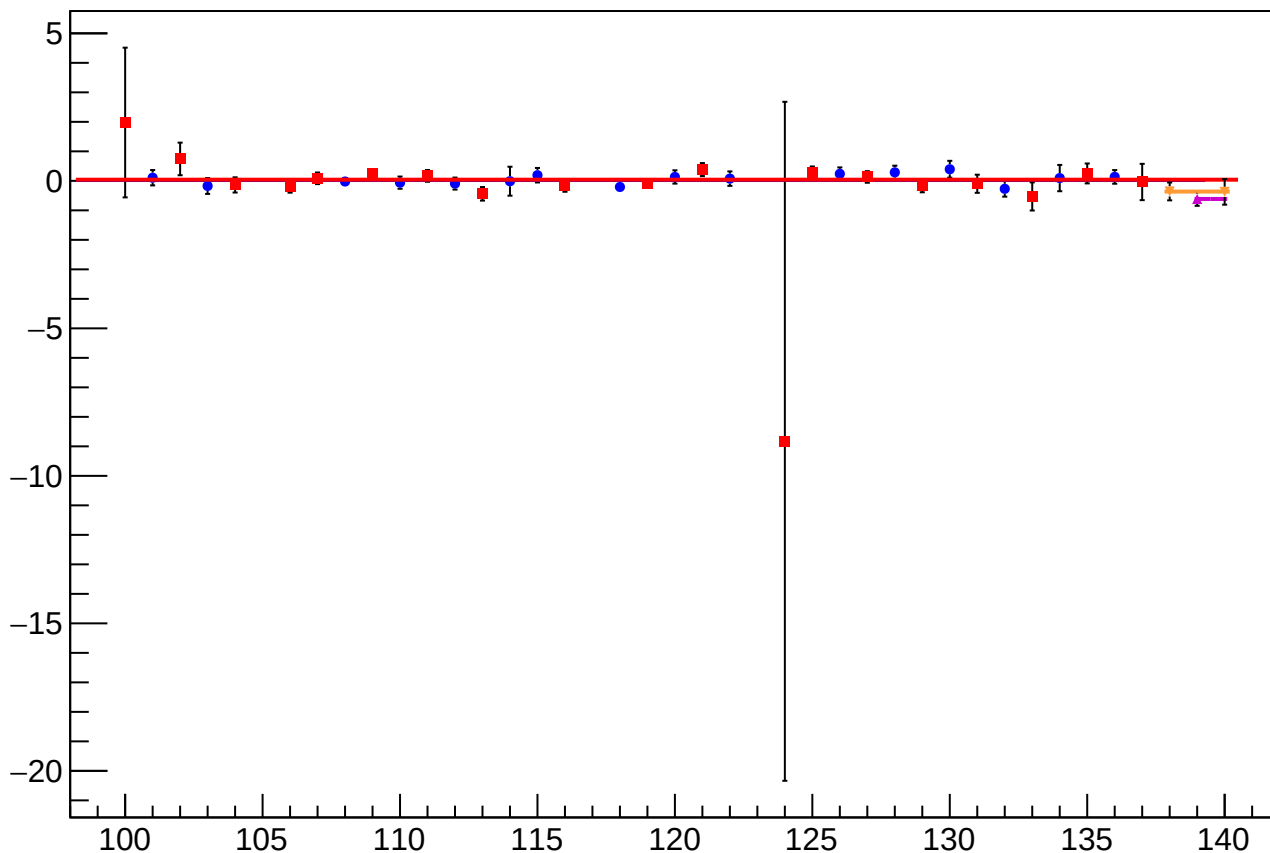
Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

All: 146.046 $\pm$ 0.027 χ^2 /NDF: 3752138.4/37

- sign 138.076 $\pm$ 0.038 χ^2 /NDF: 1768285.1/19

Left In: 202.517 $\pm$ 0.165 χ^2 /NDF:0.0/0

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: -0.363 $\pm$ 0.248 χ^2 /NDF: 0.0/1

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

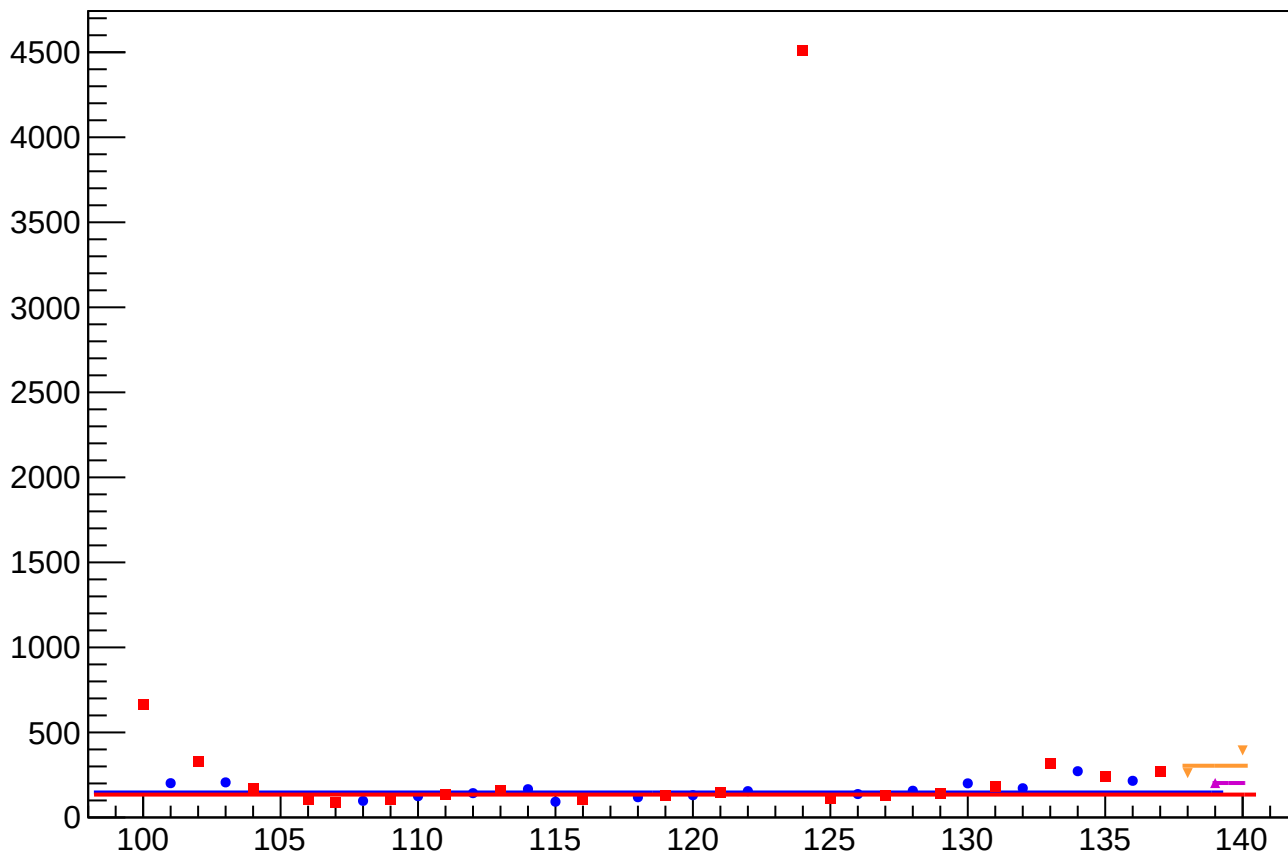
Left In: -0.614 $\pm$ 0.233 χ^2 /NDF: 0.0/0

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.006 $\pm$ 0.039 χ^2 /NDF: 39.3/37

- sign 0.005 $\pm$ 0.053 χ^2 /NDF: 27.5/19

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF :127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

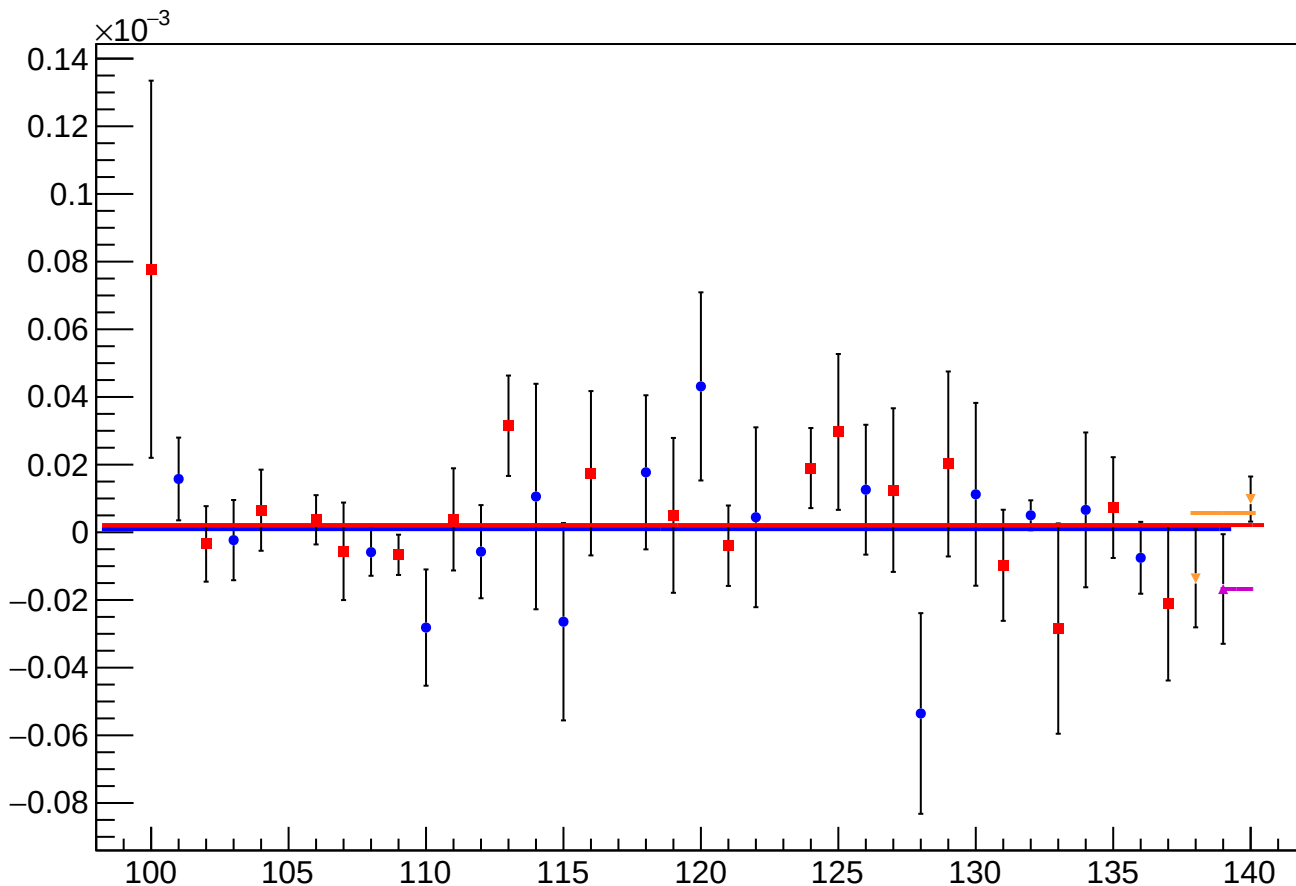
Left In: 202.517+/-0.165 χ^2/NDF :0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 146.046+/-0.027 χ^2/NDF : 3752138.4/37

- sign 138.076+/-0.038 χ^2/NDF : 1768285.1/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

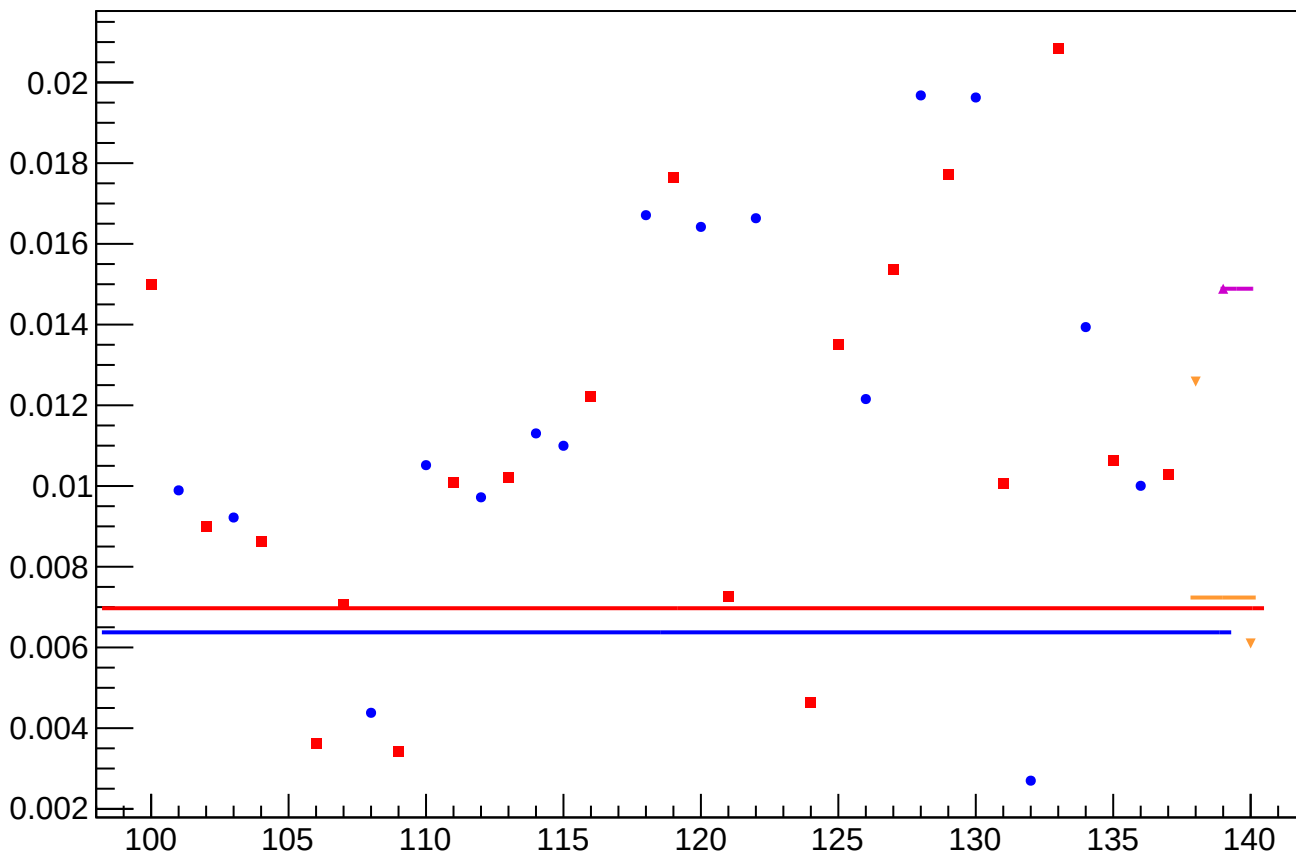
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF : 332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

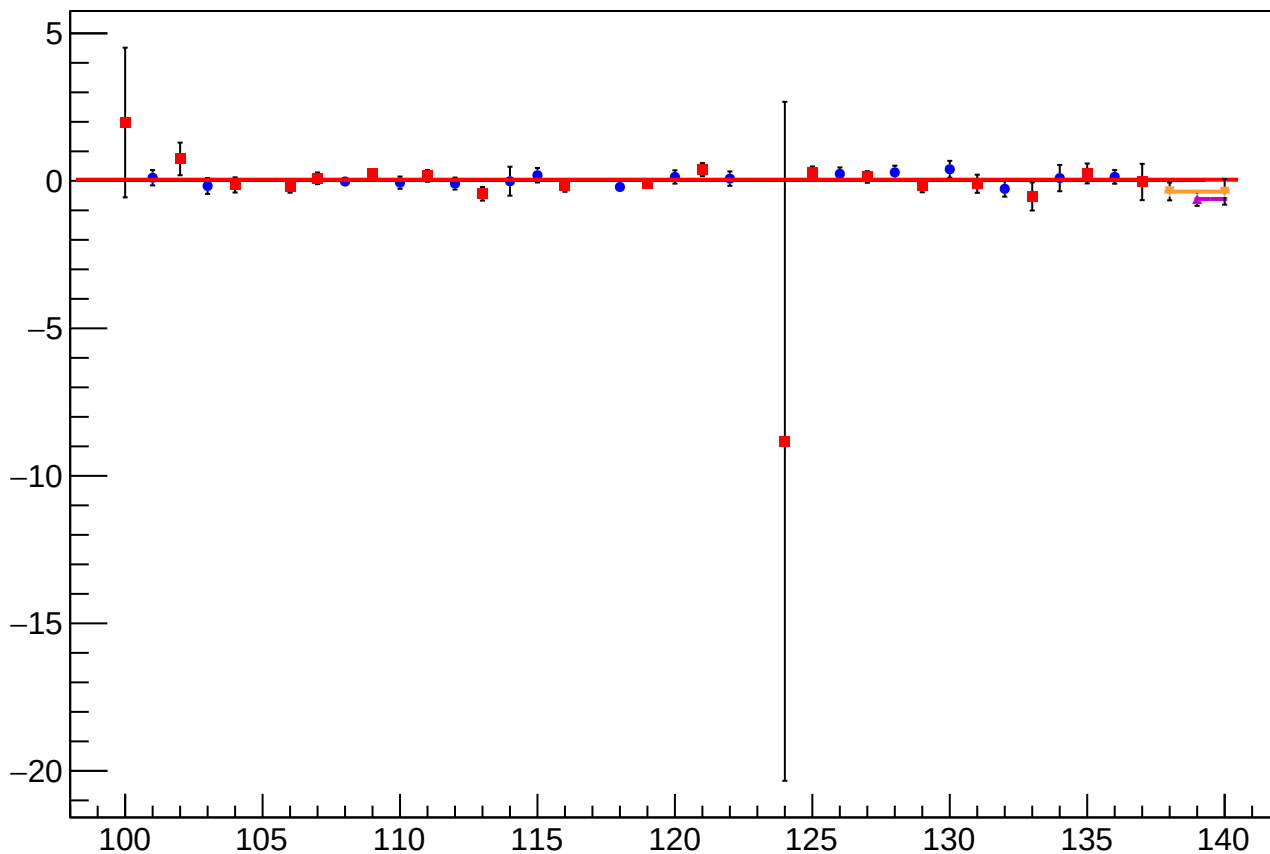
Left In: 0.015+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 5005153.1/17

All: 0.007+/-0.000 χ^2/NDF : 8939055.3/37

- sign 0.007+/-0.000 χ^2/NDF : 3871758.6/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

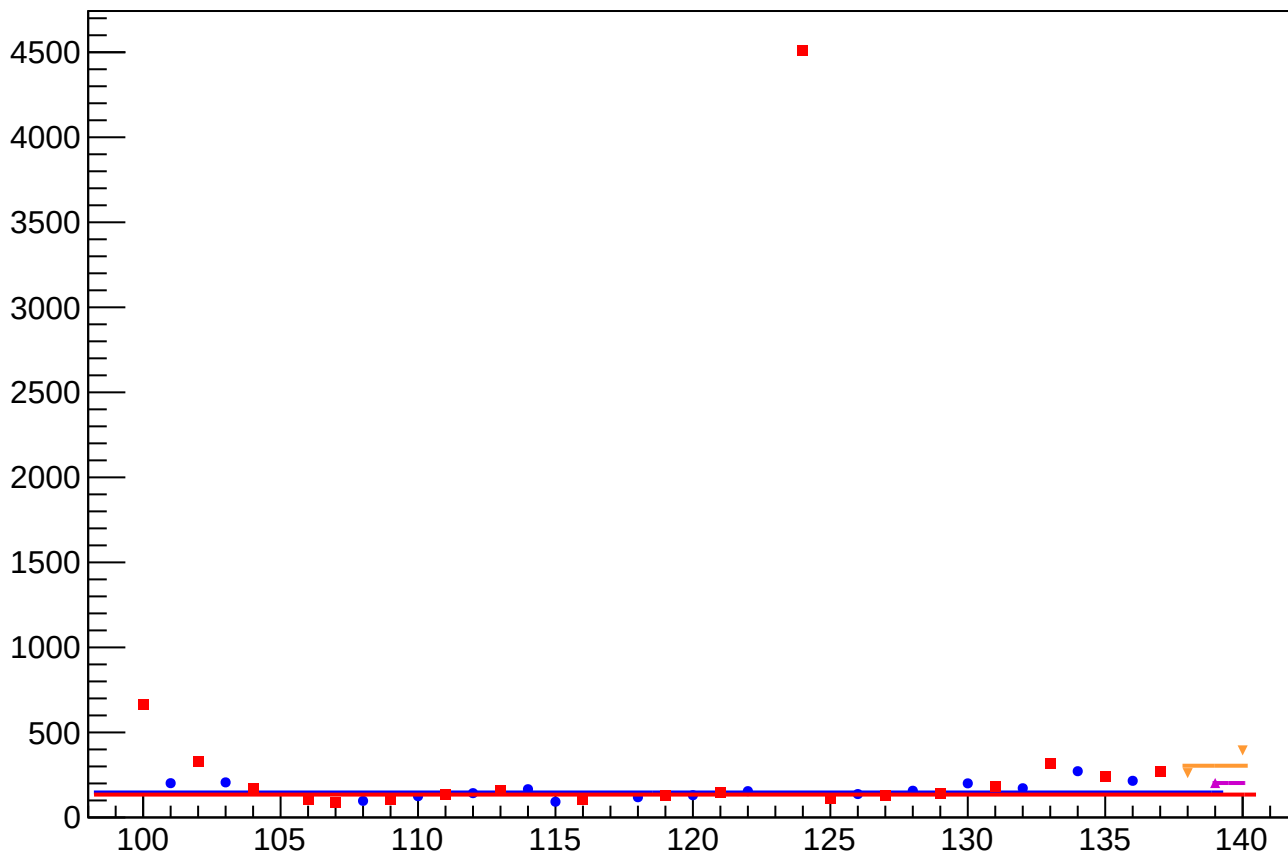
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF : 127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

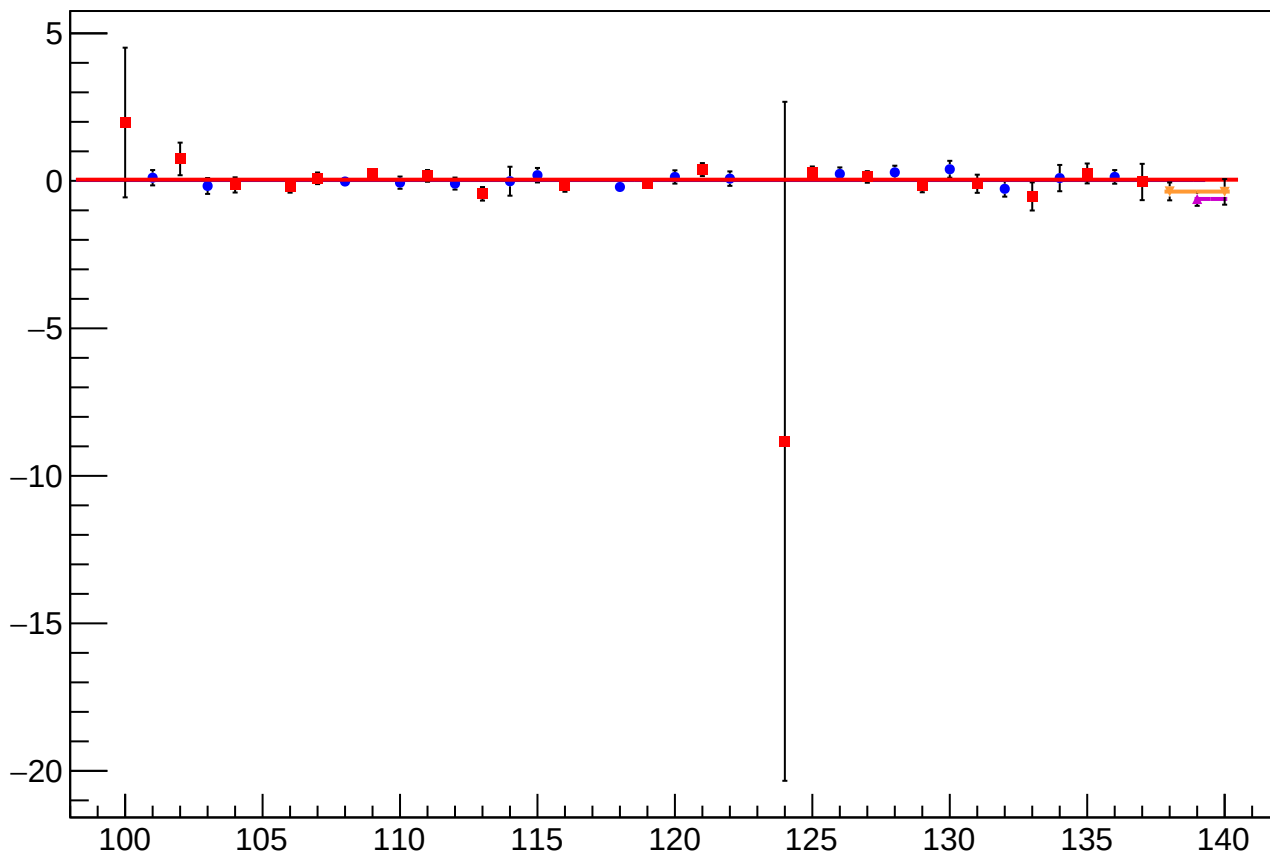
Left In: 202.521+/-0.165 χ^2/NDF : 0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 146.047+/-0.027 χ^2/NDF : 3752014.1/37

- sign 138.077+/-0.038 χ^2/NDF : 1768219.6/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.363 ± 0.248 χ^2/NDF : 0.0/1

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

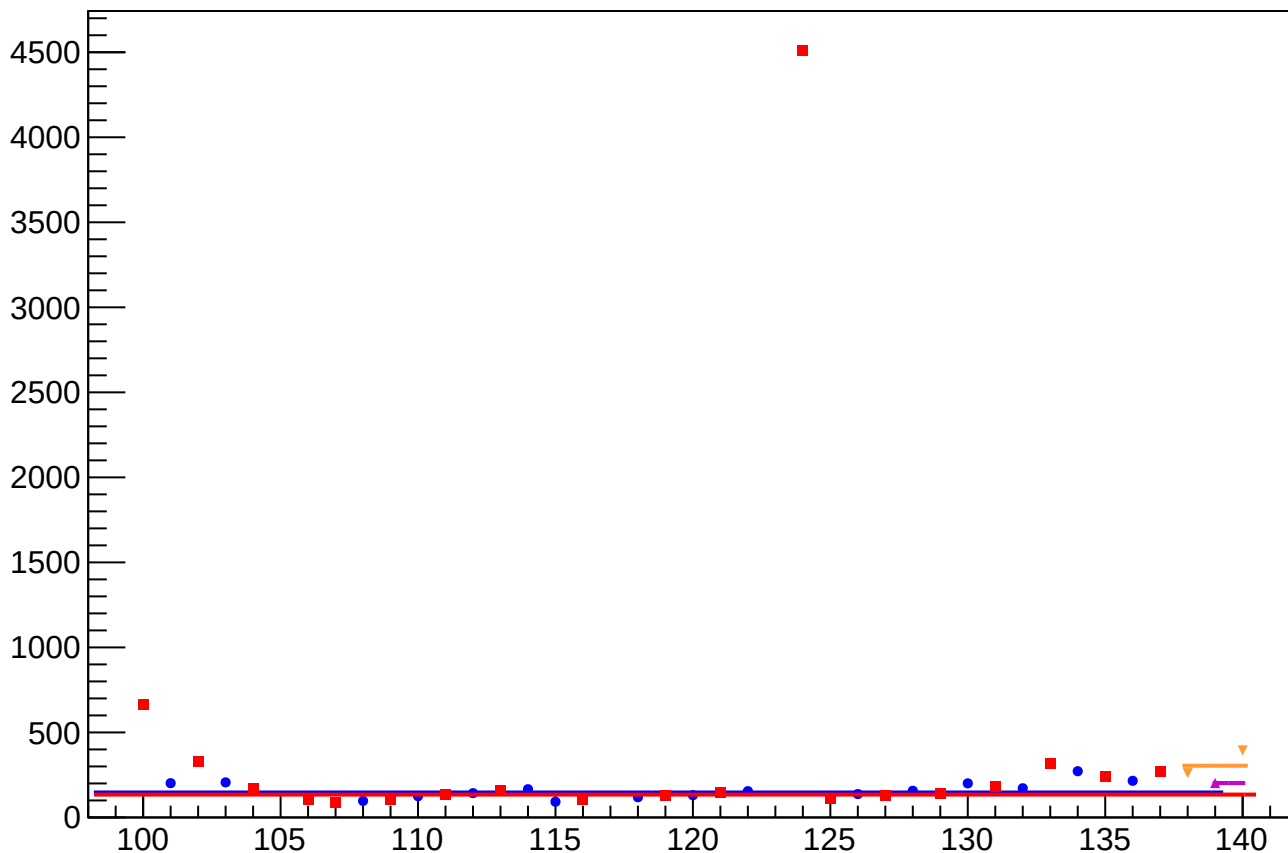
Left In: -0.614 ± 0.233 χ^2/NDF : 0.0/0

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.006 ± 0.039 χ^2/NDF : 39.3/37

- sign 0.005 ± 0.053 χ^2/NDF : 27.5/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF :127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

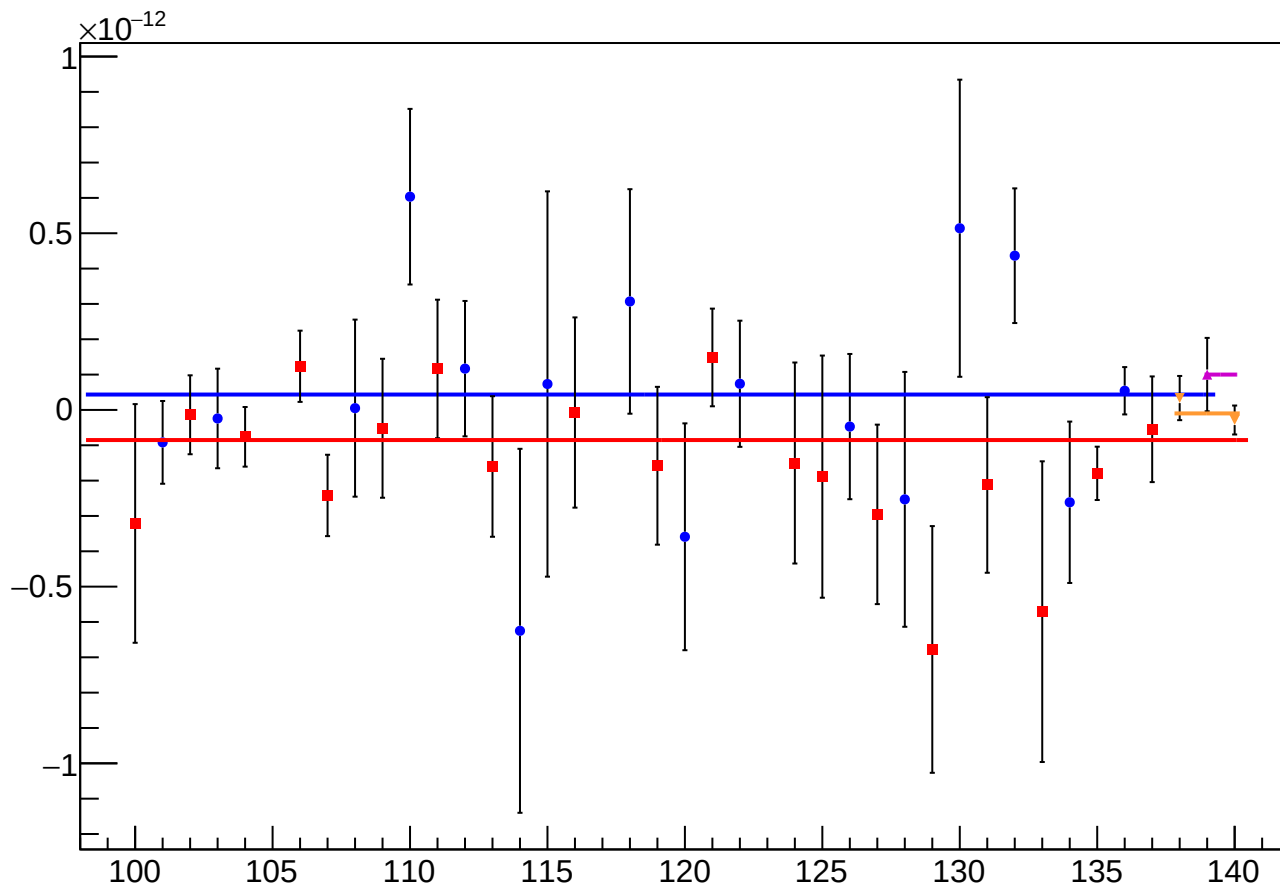
Left In: 202.521+/-0.165 χ^2/NDF :0.0/0

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 146.047+/-0.027 χ^2/NDF : 3752014.1/37

- sign 138.077+/-0.038 χ^2/NDF : 1768219.6/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19.0/15

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

Right Out: -0.000+/-0.000 χ^2/NDF : 18.2/18

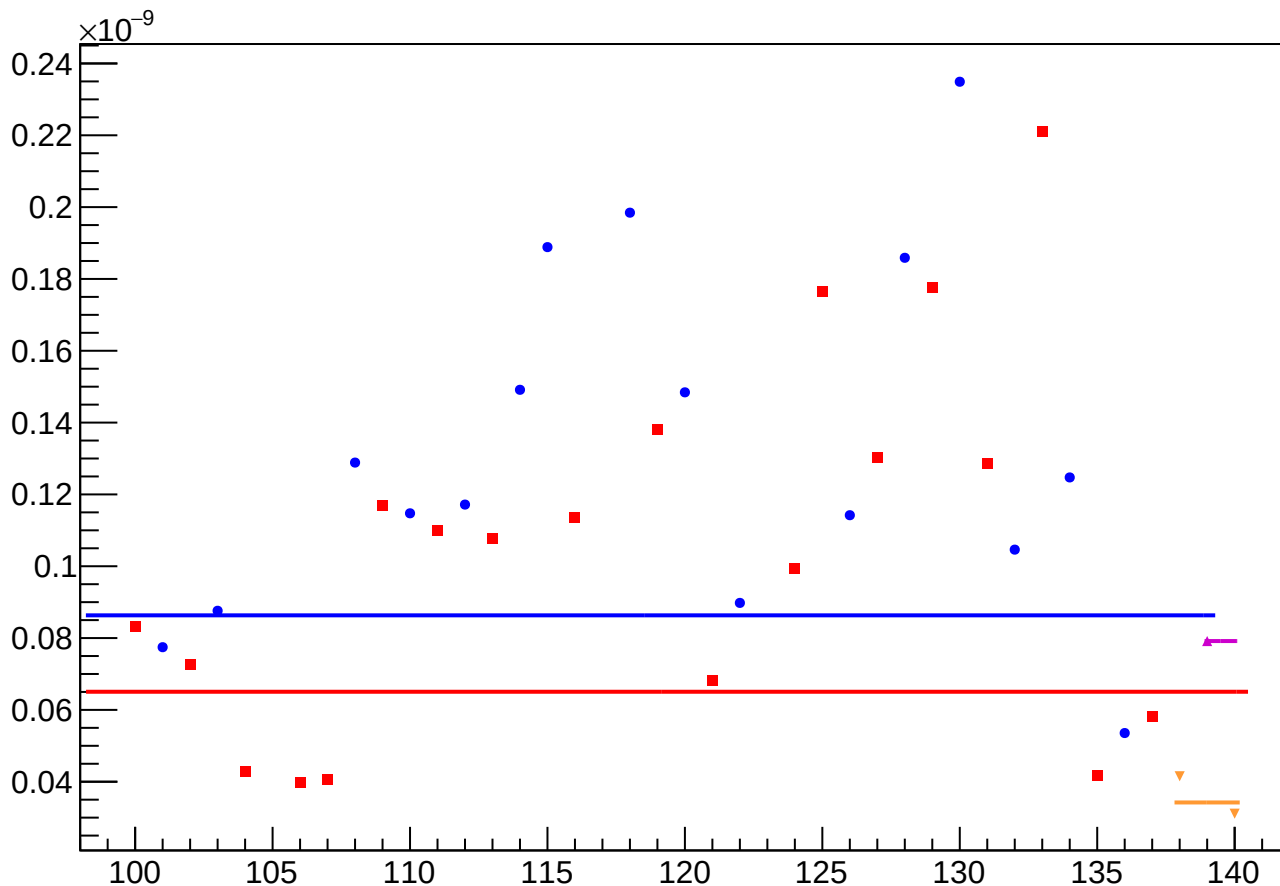
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 20.6/17

All: -0.000+/-0.000 χ^2/NDF : 45.1/37

- sign -0.000+/-0.000 χ^2/NDF : 21.1/19

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1565662.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38834.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2158861.4/18

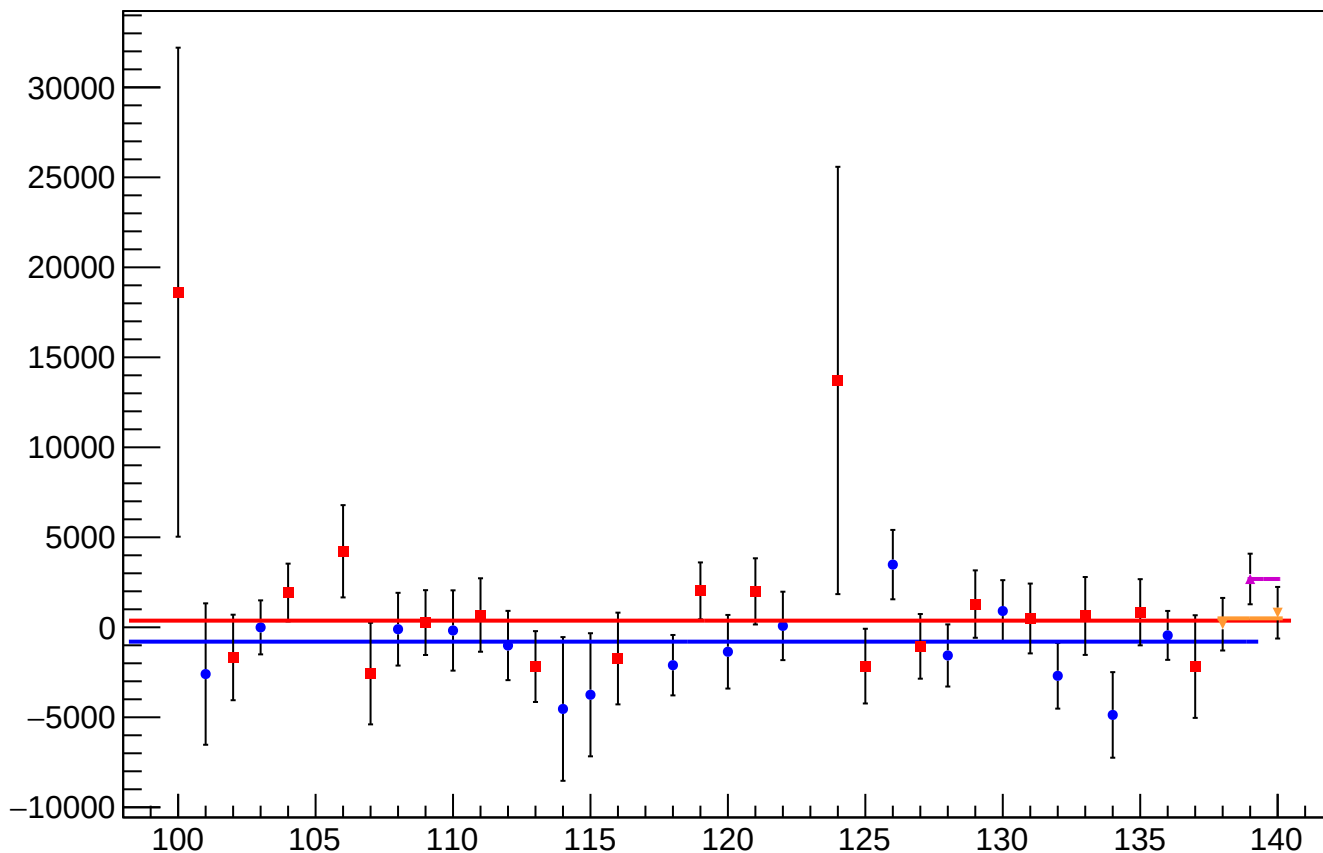
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3414015.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5763980.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2192220.6/19

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF : 13.4/15

Left Out: 496.407+/-1023.076 χ^2/NDF : 0.1/1

Right Out: 370.010+/-485.826 χ^2/NDF : 15.6/18

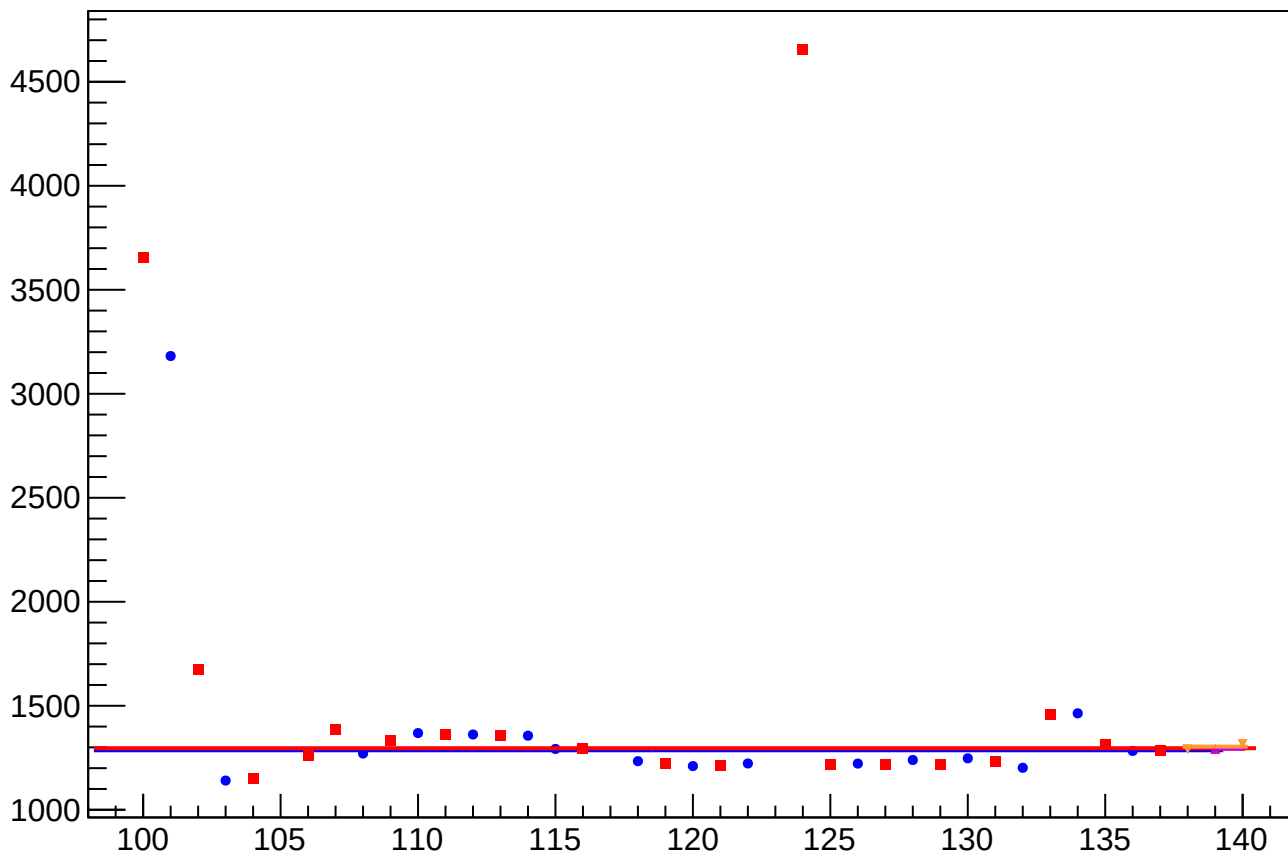
Left In: 2684.470+/-1405.617 χ^2/NDF : 0.0/0

+ sign -557.936+/-440.057 χ^2/NDF : 14.8/17

All: 4.564+/-317.710 χ^2/NDF : 36.3/37

- sign 616.993+/-459.172 χ^2/NDF : 18.0/19

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF : 328069.9/18

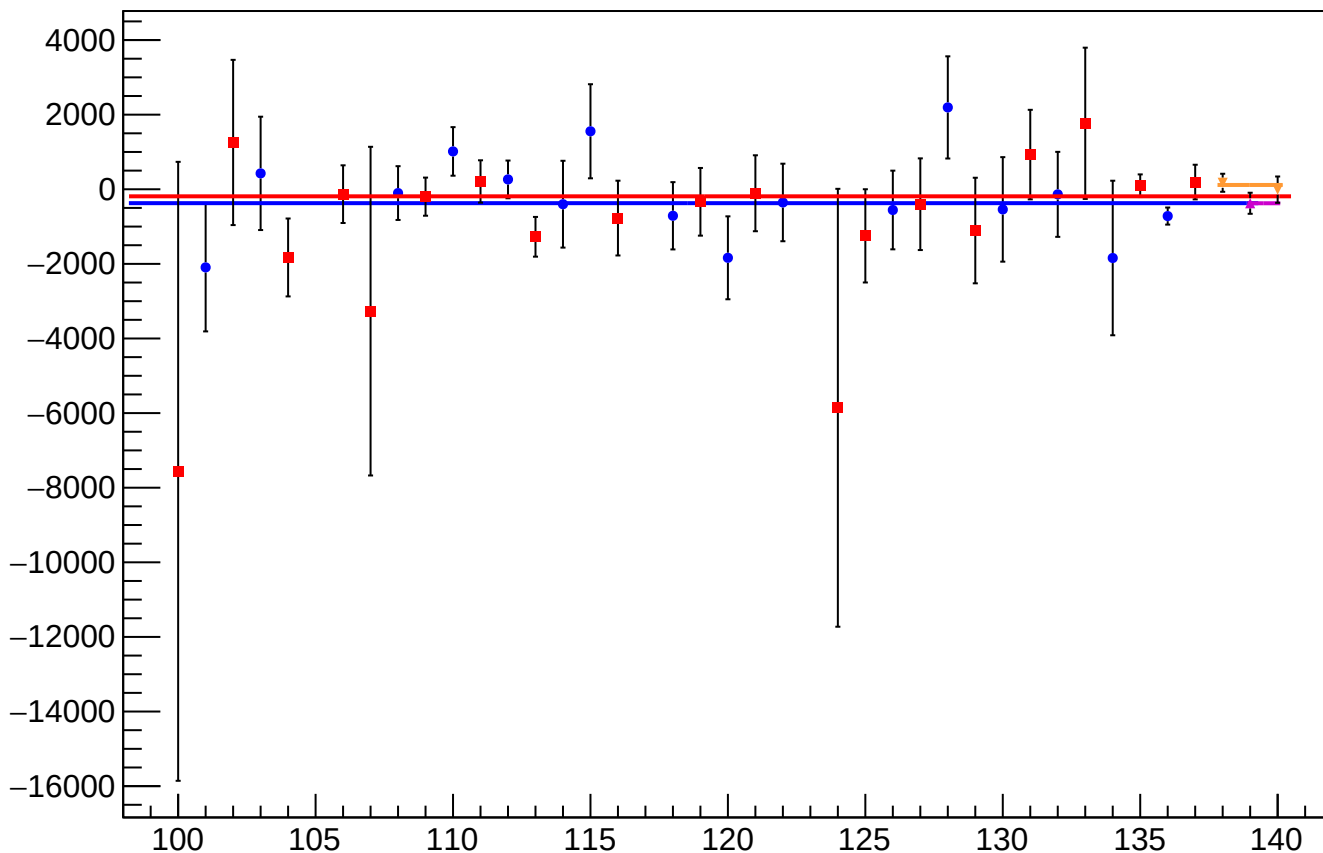
Left In: 1292.956+/-0.994 χ^2/NDF : 0.0/0

+ sign 1289.334+/-0.311 χ^2/NDF : 518920.9/17

All: 1292.346+/-0.225 χ^2/NDF : 847194.5/37

- sign 1295.624+/-0.325 χ^2/NDF : 328078.0/19

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -372.325 ± 168.204 χ^2/NDF : 18.2/15

Left Out: 115.367 ± 199.294 χ^2/NDF : 0.2/1

Right Out: -188.945 ± 169.575 χ^2/NDF : 14.6/18

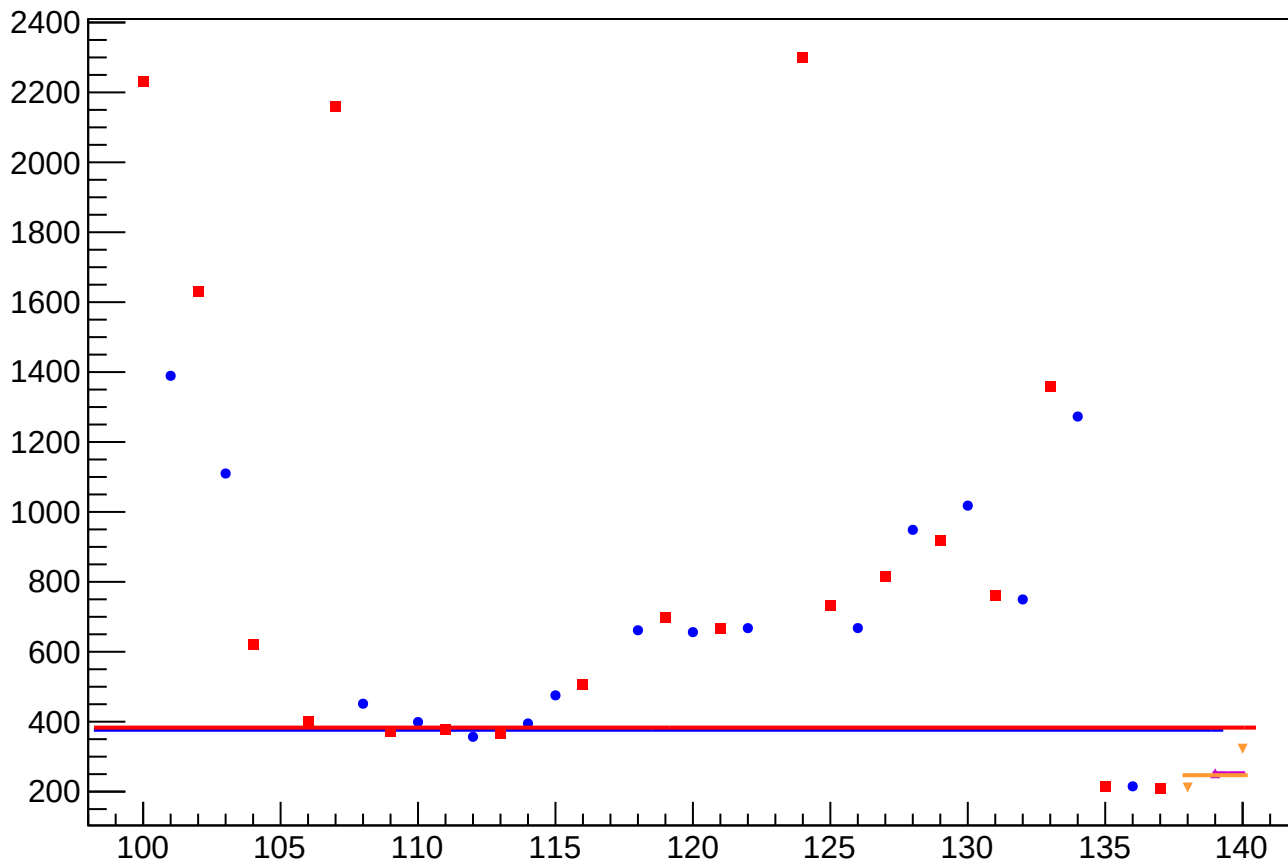
Left In: -375.159 ± 282.187 χ^2/NDF : 0.0/0

+ sign -169.444 ± 128.541 χ^2/NDF : 21.8/17

All: -199.684 ± 96.289 χ^2/NDF : 36.9/37

- sign -238.350 ± 145.350 χ^2/NDF : 15.0/19

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF : 4190194.7/15

Left Out: 246.956+/-0.141 χ^2/NDF :135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

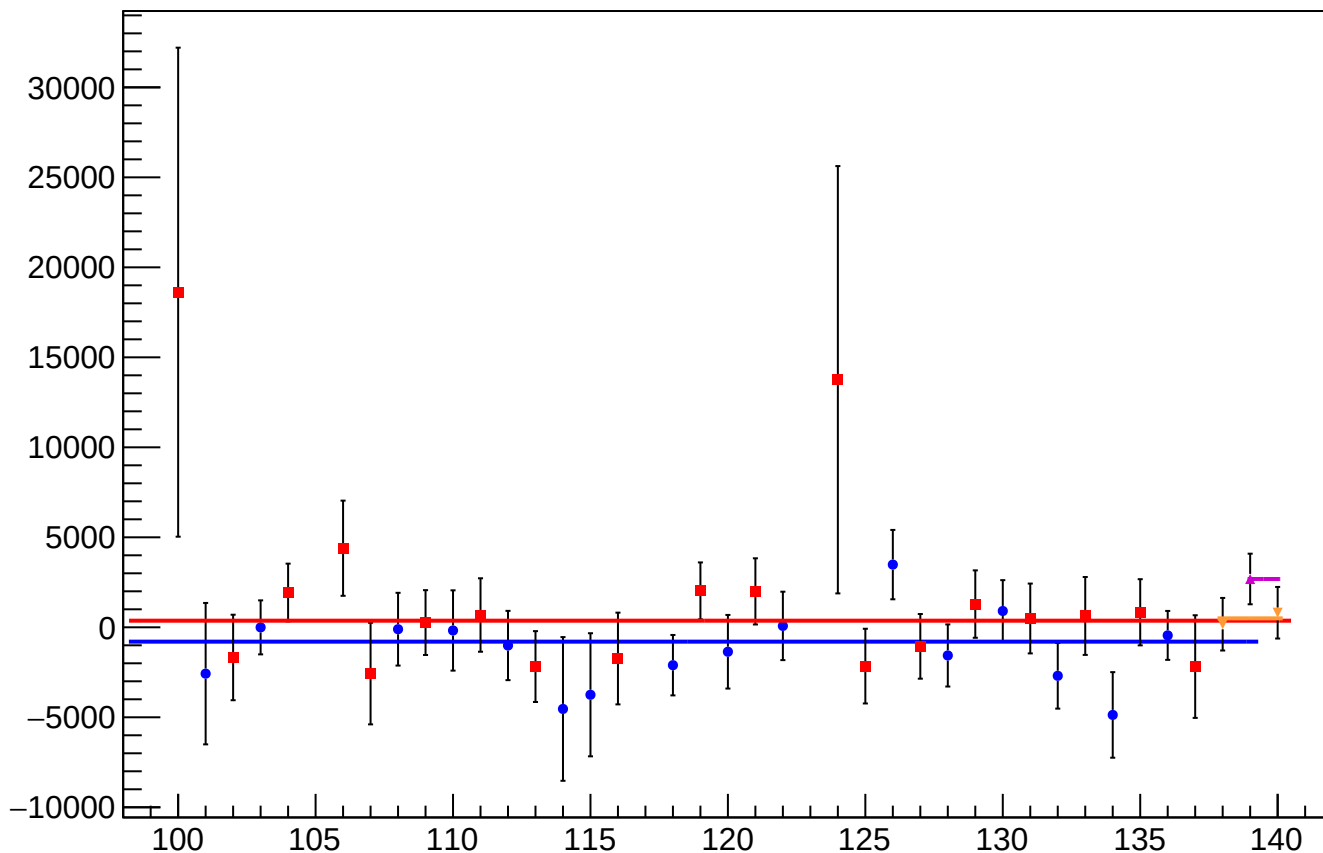
Left In: 252.663+/-0.200 χ^2/NDF :0.0/0

+ sign 322.839+/-0.091 χ^2/NDF : 4821719.5/17

All: 334.089+/-0.068 χ^2/NDF : 9224576.2/37

- sign 348.474+/-0.103 χ^2/NDF : 4367945.6/19

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF : 13.4/15

Left Out: 496.446+/-1023.076 χ^2/NDF : 0.1/1

Right Out: 367.476+/-486.348 χ^2/NDF : 15.7/18

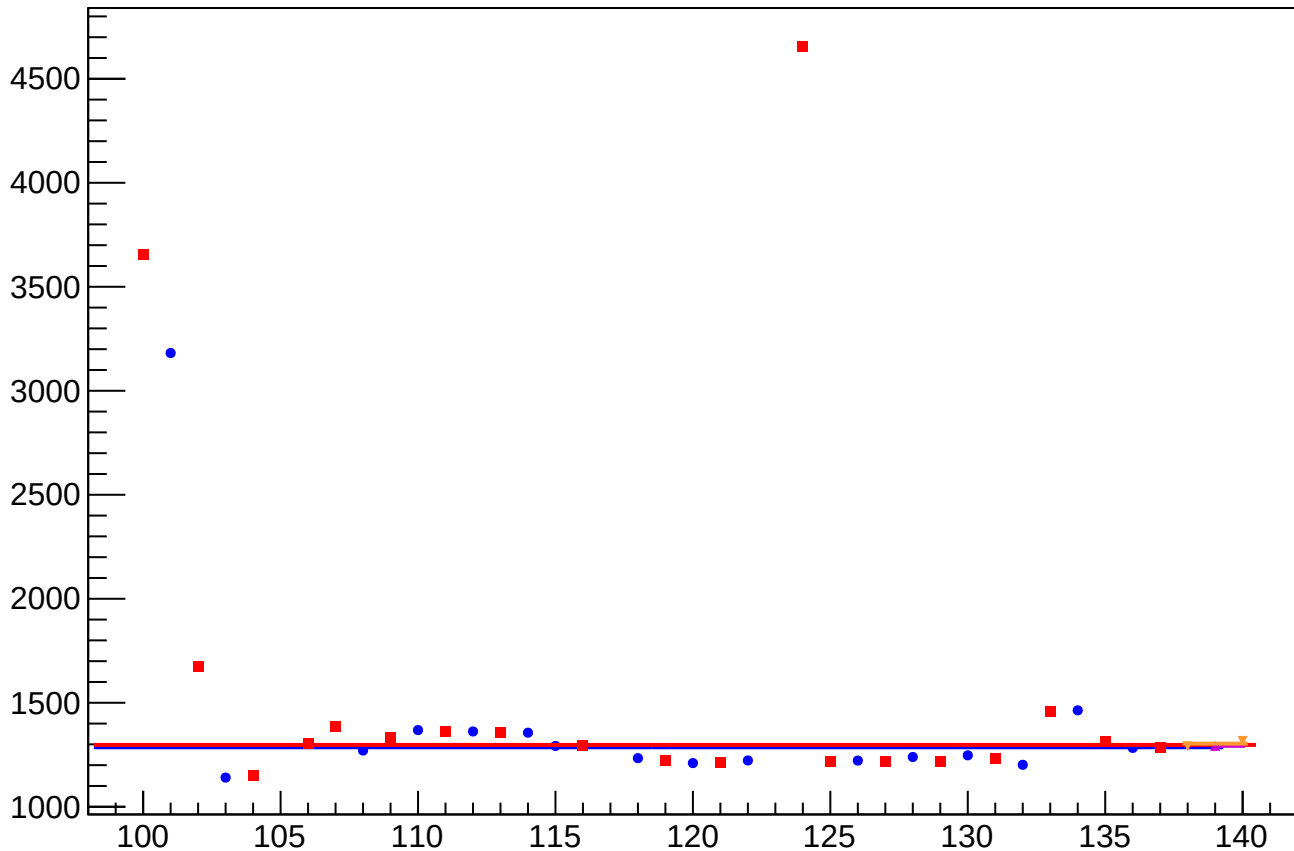
Left In: 2684.656+/-1405.617 χ^2/NDF : 0.0/0

+ sign -557.601+/-440.057 χ^2/NDF : 14.8/17

All: 3.329+/-317.856 χ^2/NDF : 36.3/37

- sign 615.225+/-459.614 χ^2/NDF : 18.1/19

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1303.595 $\pm$ 0.723 χ^2 /NDF: 317.2/1

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

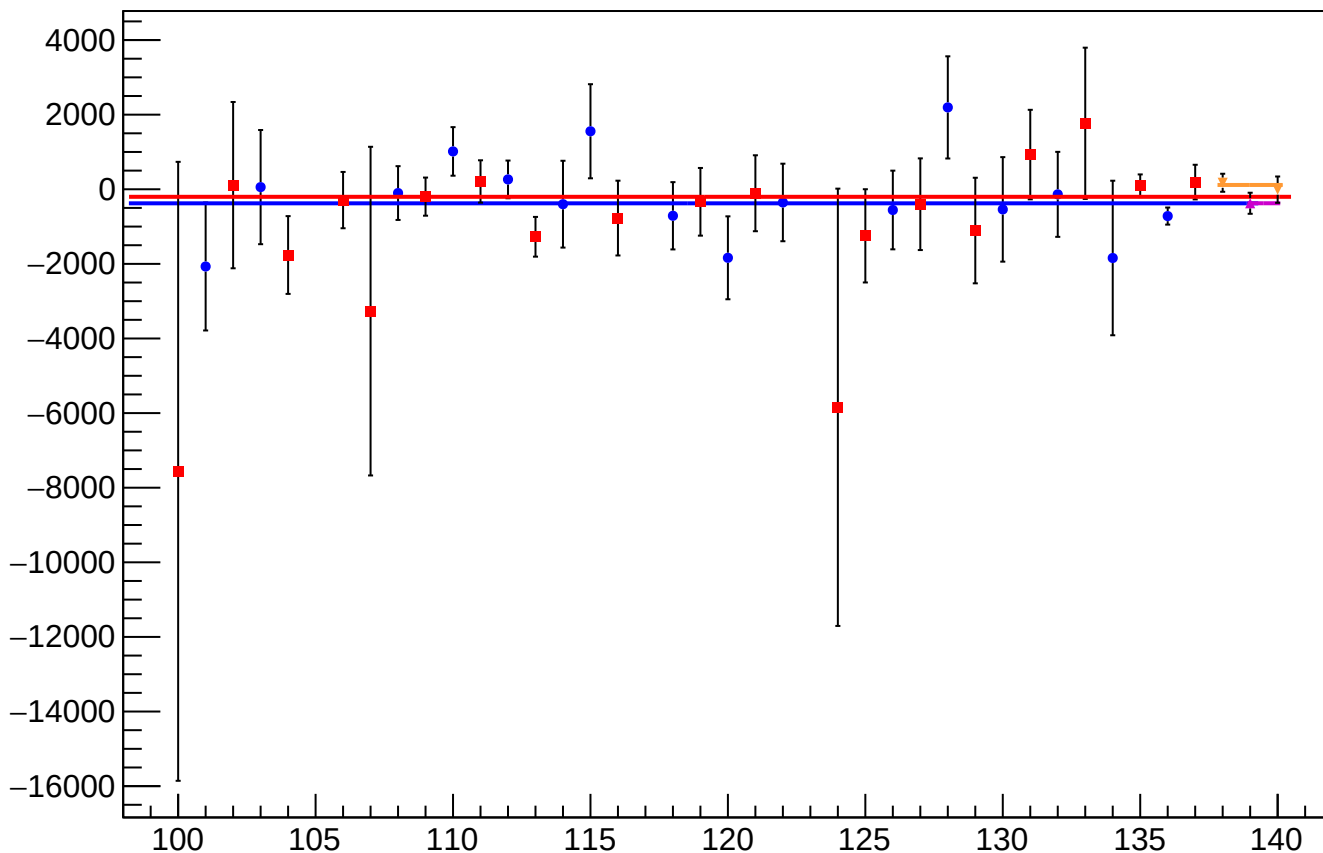
Left In: 1292.956 $\pm$ 0.994 χ^2 /NDF: 0.0/0

+ sign 1289.334 $\pm$ 0.311 χ^2 /NDF: 518922.3/17

All: 1292.962 $\pm$ 0.225 χ^2 /NDF: 846966.0/37

- sign 1296.919 $\pm$ 0.325 χ^2 /NDF: 327759.5/19

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug



Right In: -376.771 ± 168.223 χ^2/NDF : 17.9/15

Left Out: 115.438 ± 199.299 χ^2/NDF : 0.2/1

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

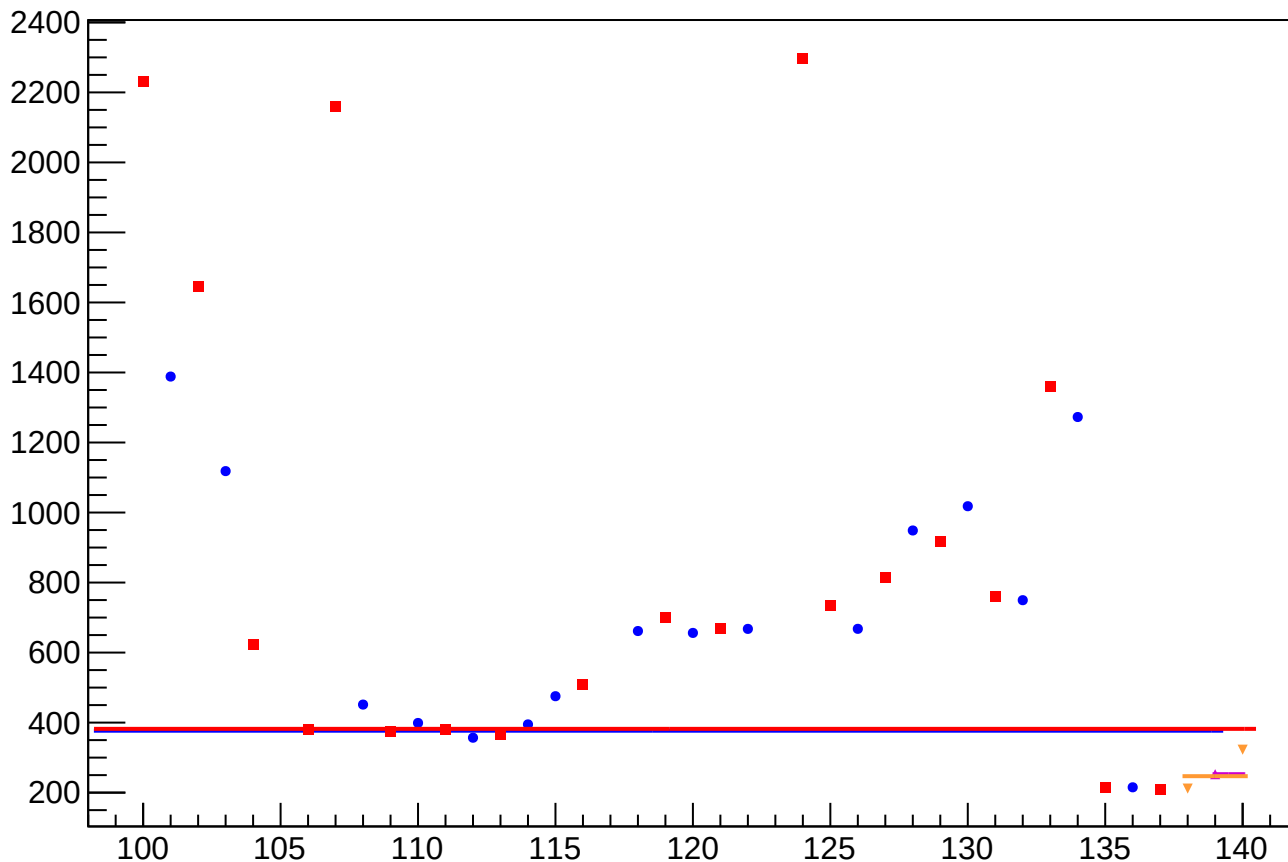
Left In: -375.081 ± 282.191 χ^2/NDF : 0.0/0

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -205.358 ± 96.257 χ^2/NDF : 36.2/37

- sign -247.946 ± 145.226 χ^2/NDF : 14.3/19

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF : 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF :135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

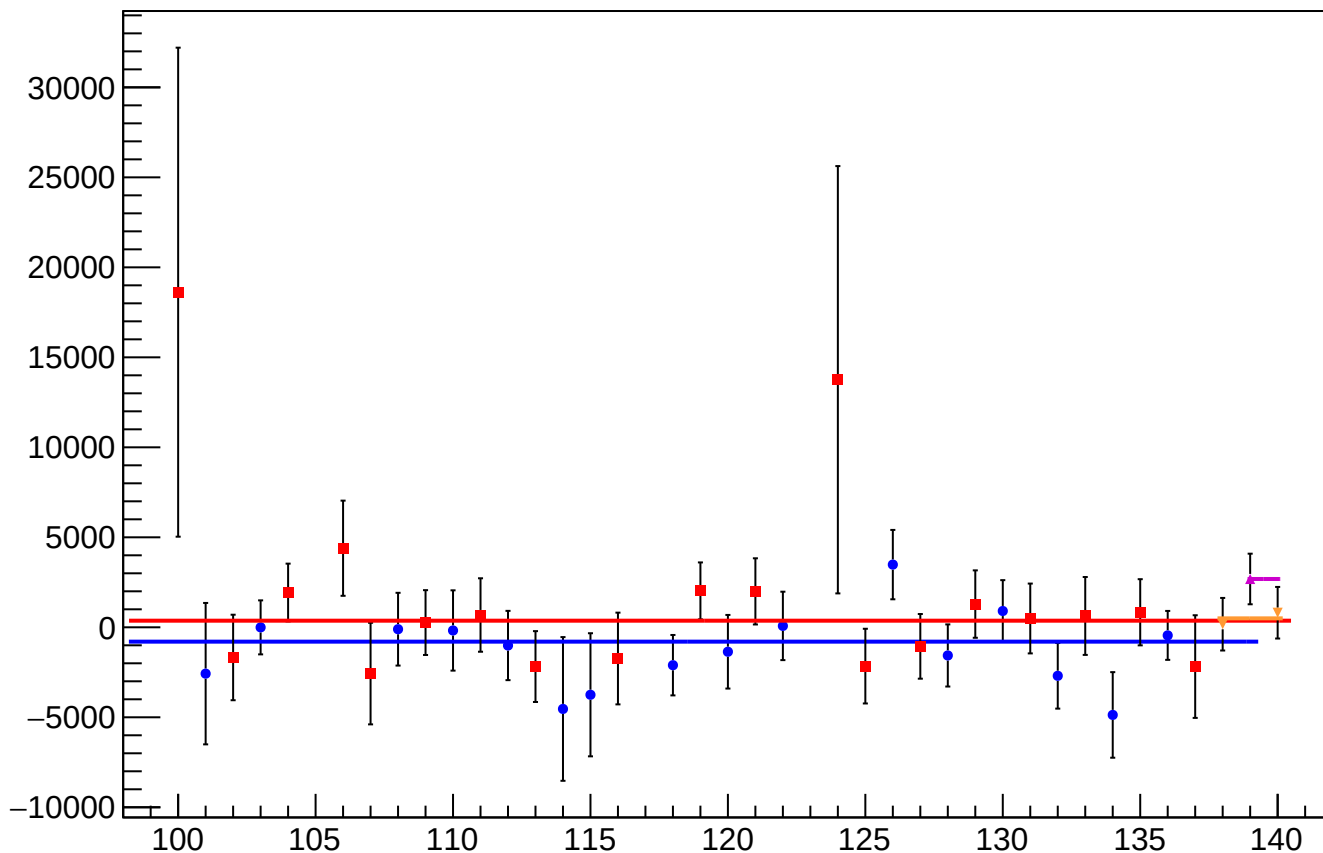
Left In: 252.667+/-0.200 χ^2/NDF :0.0/0

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 333.821+/-0.068 χ^2/NDF : 9227036.3/37

- sign 347.846+/-0.103 χ^2/NDF : 4369094.8/19

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF : 13.4/15

Left Out: 496.446+/-1023.076 χ^2/NDF : 0.1/1

Right Out: 367.476+/-486.348 χ^2/NDF : 15.7/18

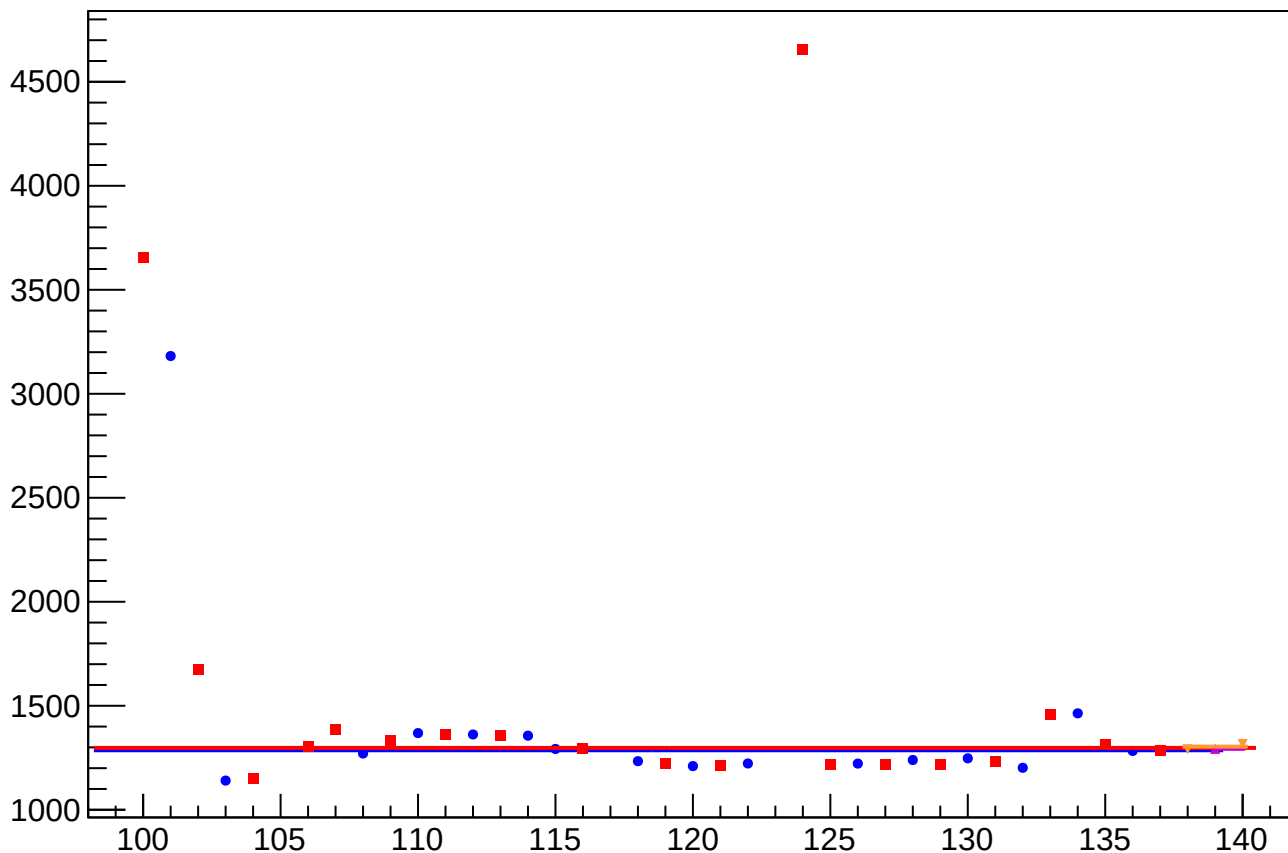
Left In: 2684.656+/-1405.617 χ^2/NDF : 0.0/0

+ sign -557.601+/-440.057 χ^2/NDF : 14.8/17

All: 3.329+/-317.856 χ^2/NDF : 36.3/37

- sign 615.225+/-459.614 χ^2/NDF : 18.1/19

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: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF : 327741.7/18

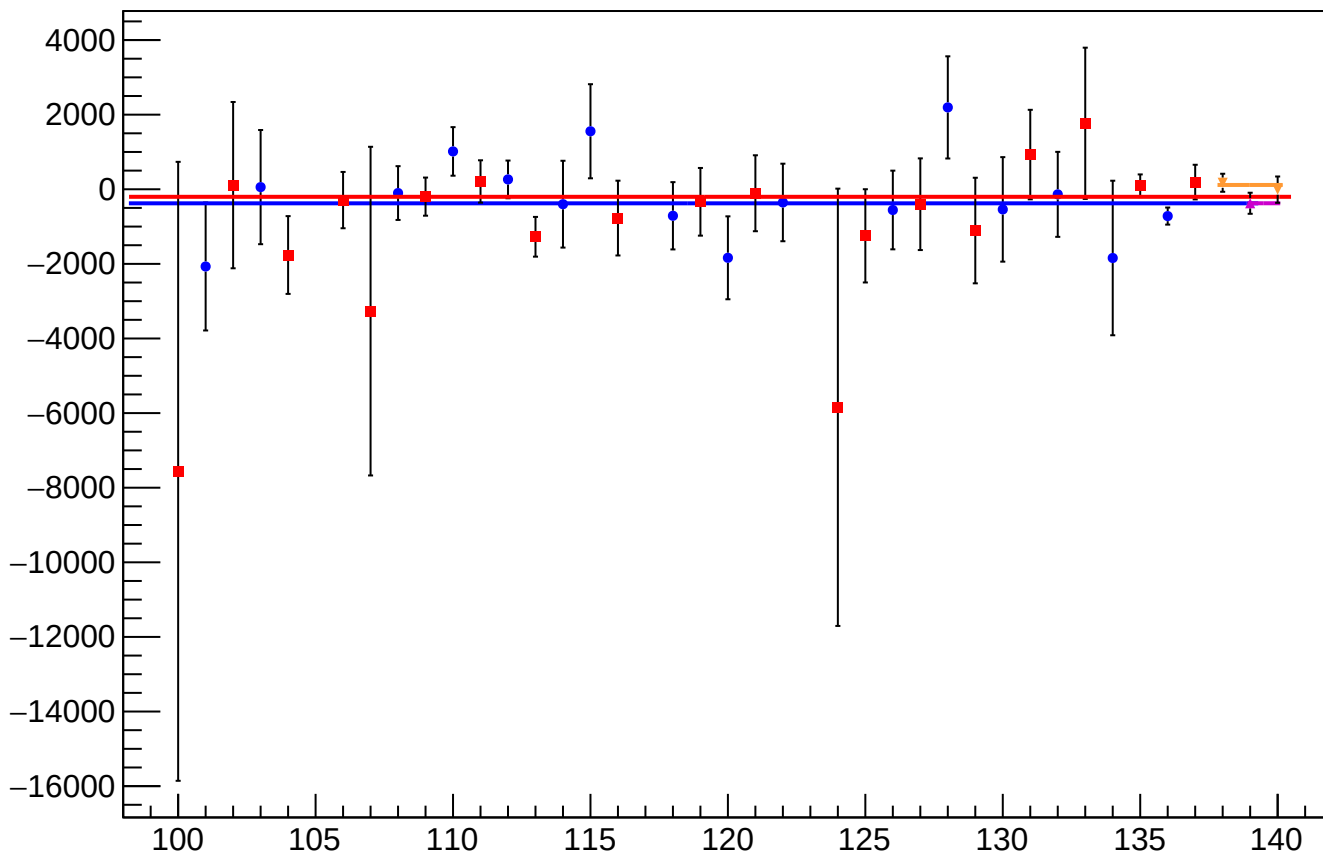
Left In: 1292.956+/-0.994 χ^2/NDF : 0.0/0

+ sign 1289.334+/-0.311 χ^2/NDF : 518922.3/17

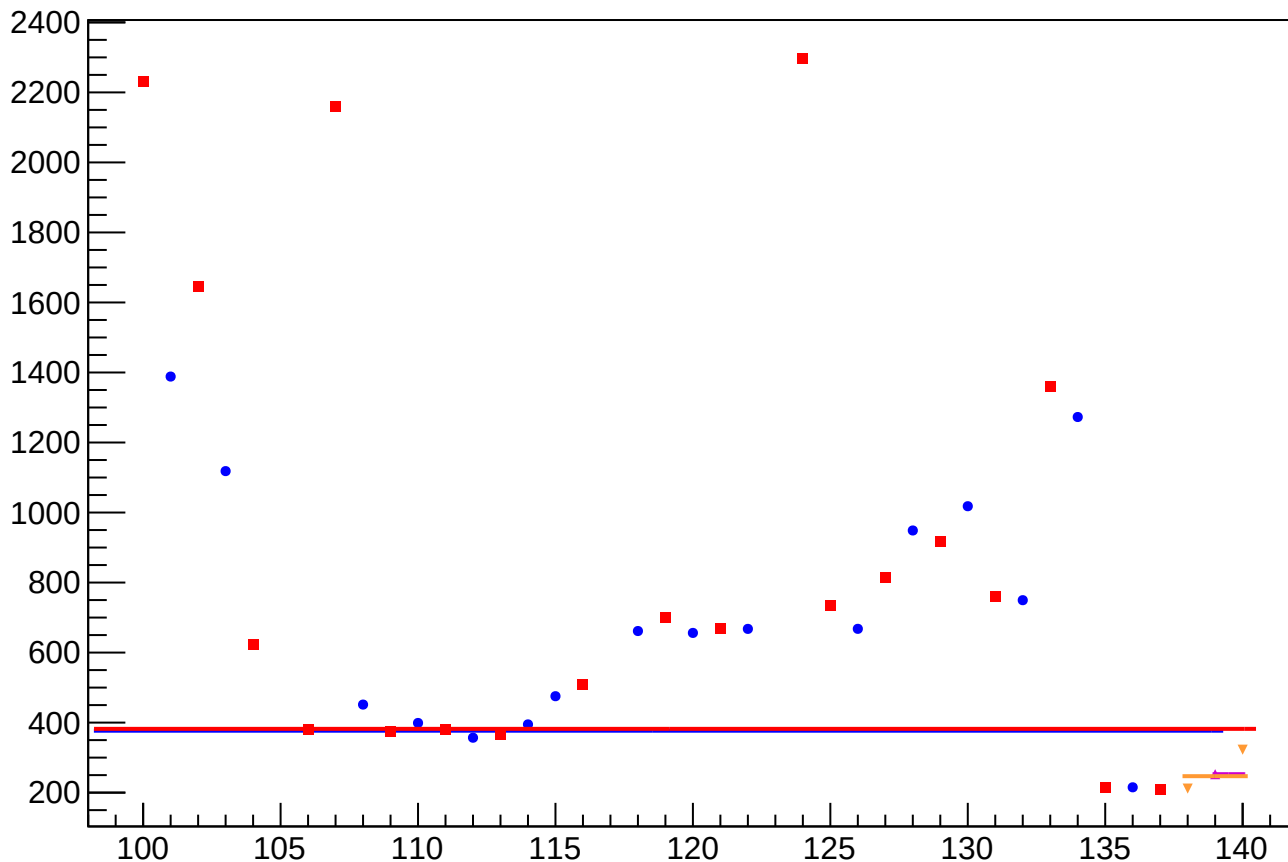
All: 1292.962+/-0.225 χ^2/NDF : 846966.0/37

- sign 1296.919+/-0.325 χ^2/NDF : 327759.5/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug



asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF : 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF :135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

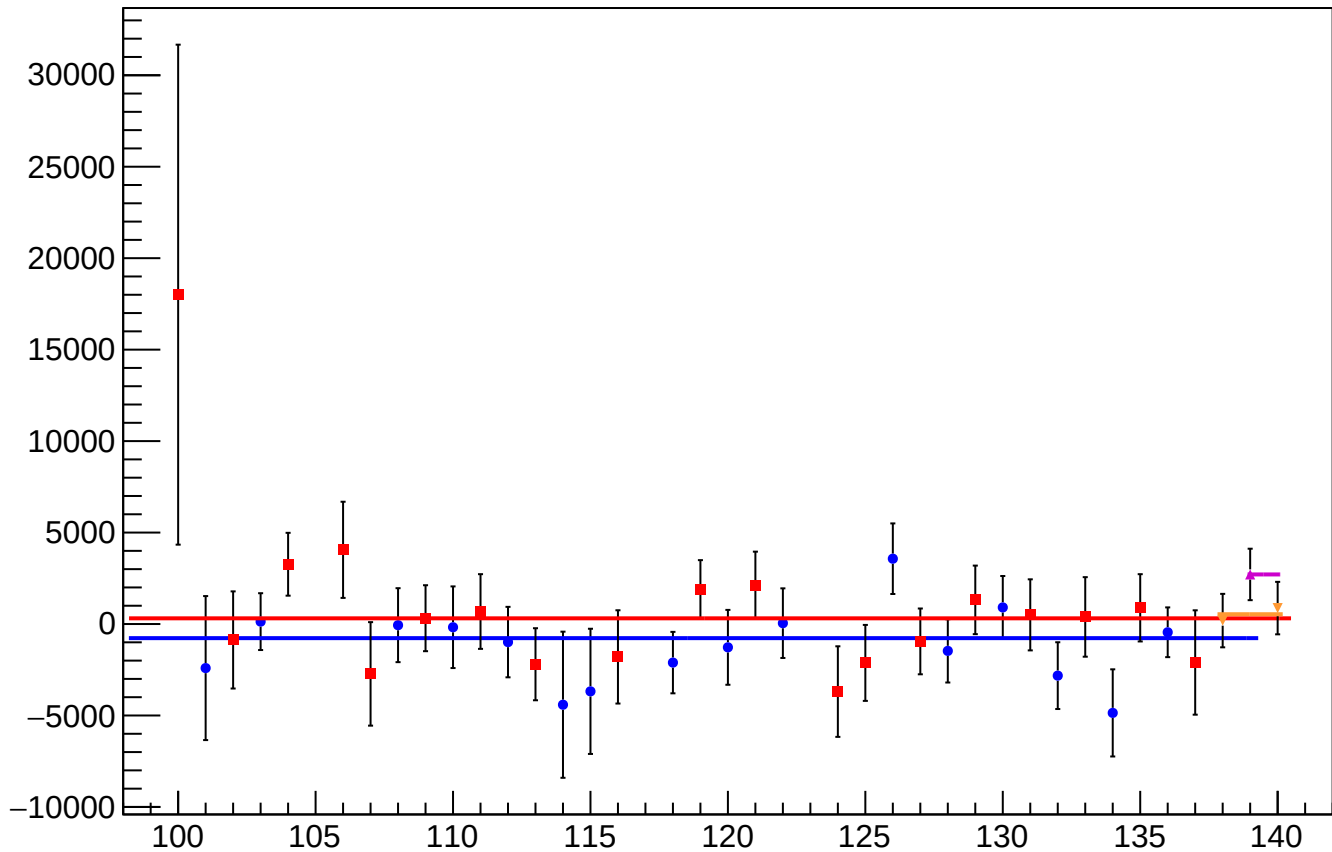
Left In: 252.667+/-0.200 χ^2/NDF :0.0/0

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 333.821+/-0.068 χ^2/NDF : 9227036.3/37

- sign 347.846+/-0.103 χ^2/NDF : 4369094.8/19

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF : 13.6/15

Left Out: 535.661+/-1023.631 χ^2/NDF : 0.1/1

Right Out: 311.418+/-482.642 χ^2/NDF : 17.9/18

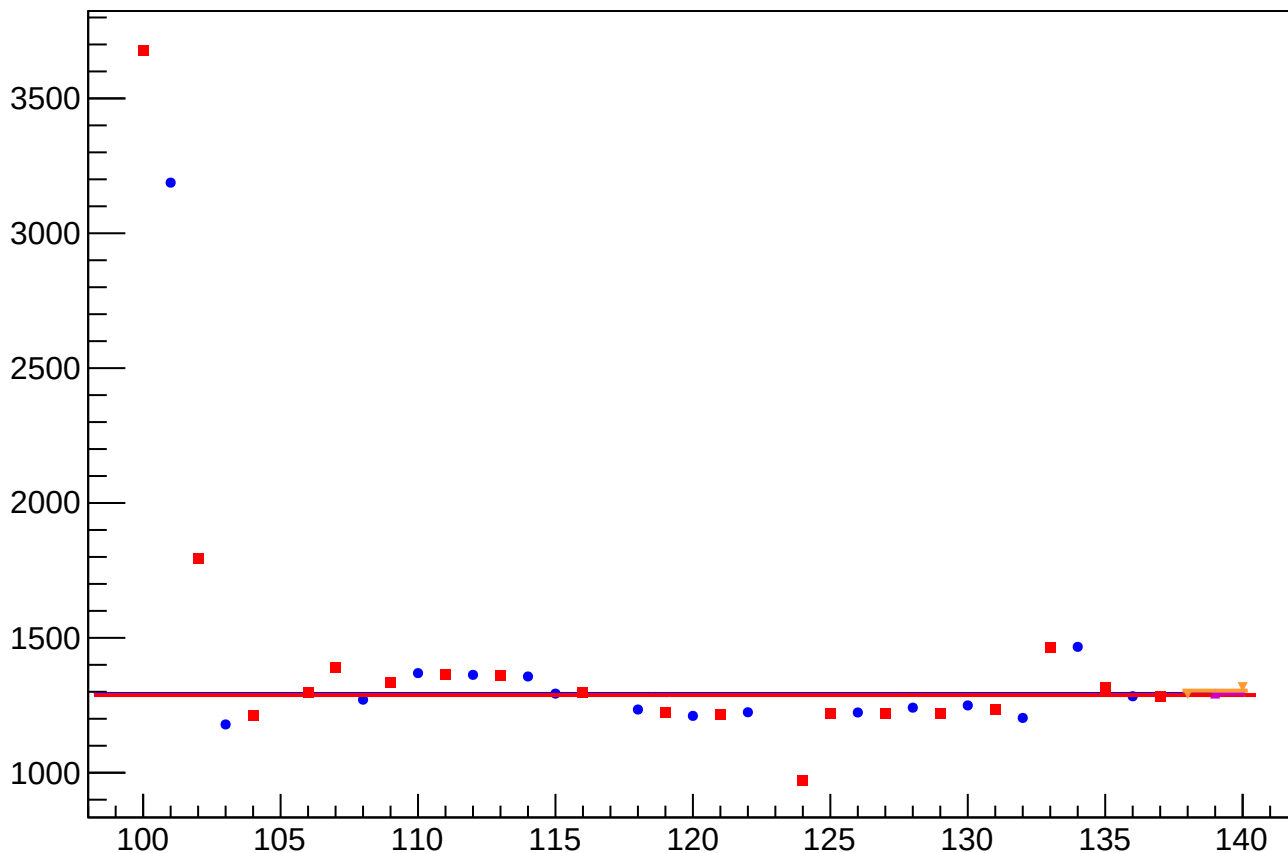
Left In: 2710.933+/-1406.468 χ^2/NDF : 0.0/0

+ sign -528.134+/-441.680 χ^2/NDF : 15.0/17

All: 0.007+/-317.429 χ^2/NDF : 38.5/37

- sign 564.212+/-456.511 χ^2/NDF : 20.5/19

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.3/15

Left Out: 1304.299 $\pm$ 0.724 χ^2 /NDF: 331.7/1

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

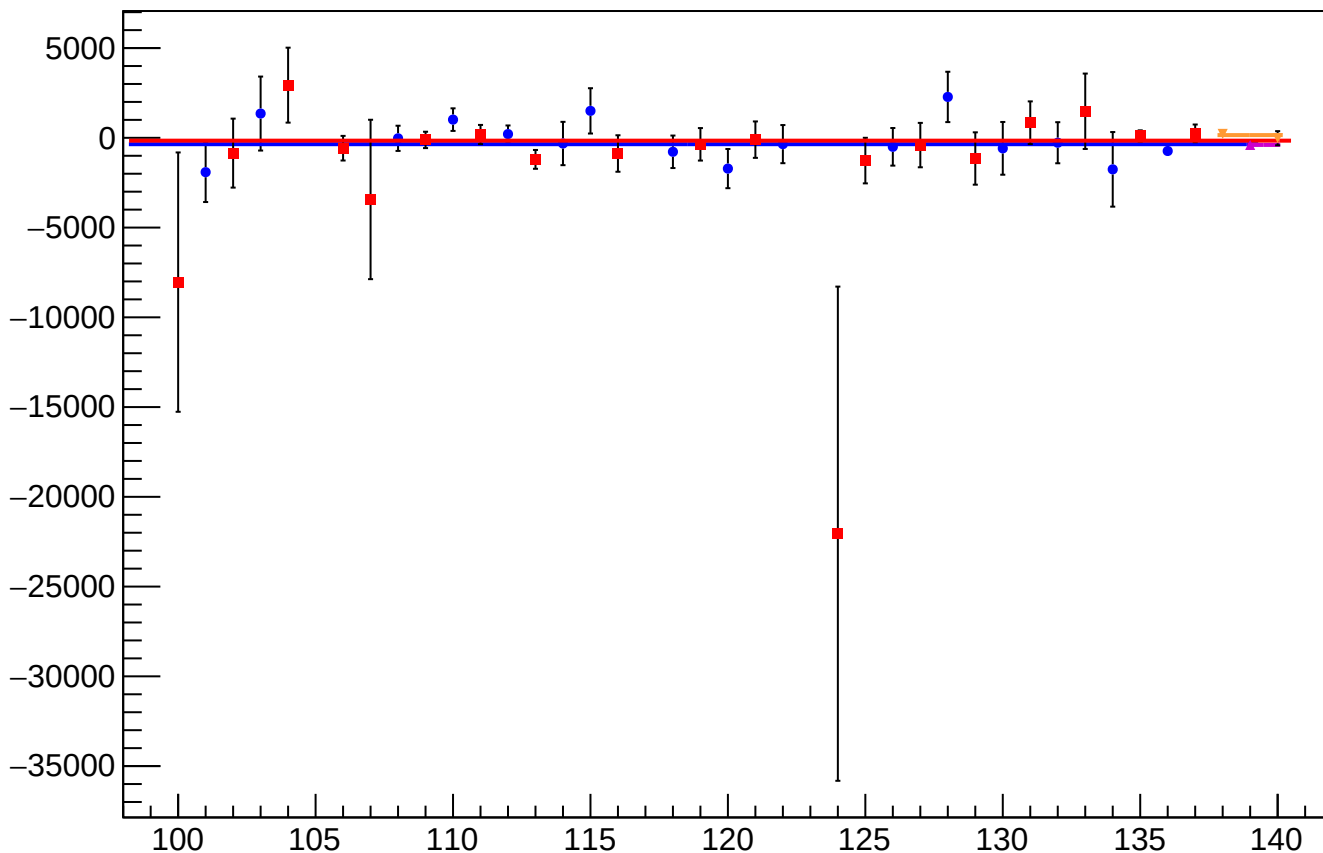
Left In: 1293.708 $\pm$ 0.995 χ^2 /NDF: 0.0/0

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1291.550 $\pm$ 0.224 χ^2 /NDF: 719372.6/37

- sign 1288.591 $\pm$ 0.323 χ^2 /NDF: 209238.4/19

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



Right In: -355.226+/-169.971 χ^2 /NDF: 18.4/15

Left Out: 151.762+/-207.157 χ^2 /NDF: 0.3/1

Right Out: -157.924+/-169.665 χ^2 /NDF: 15.8/18

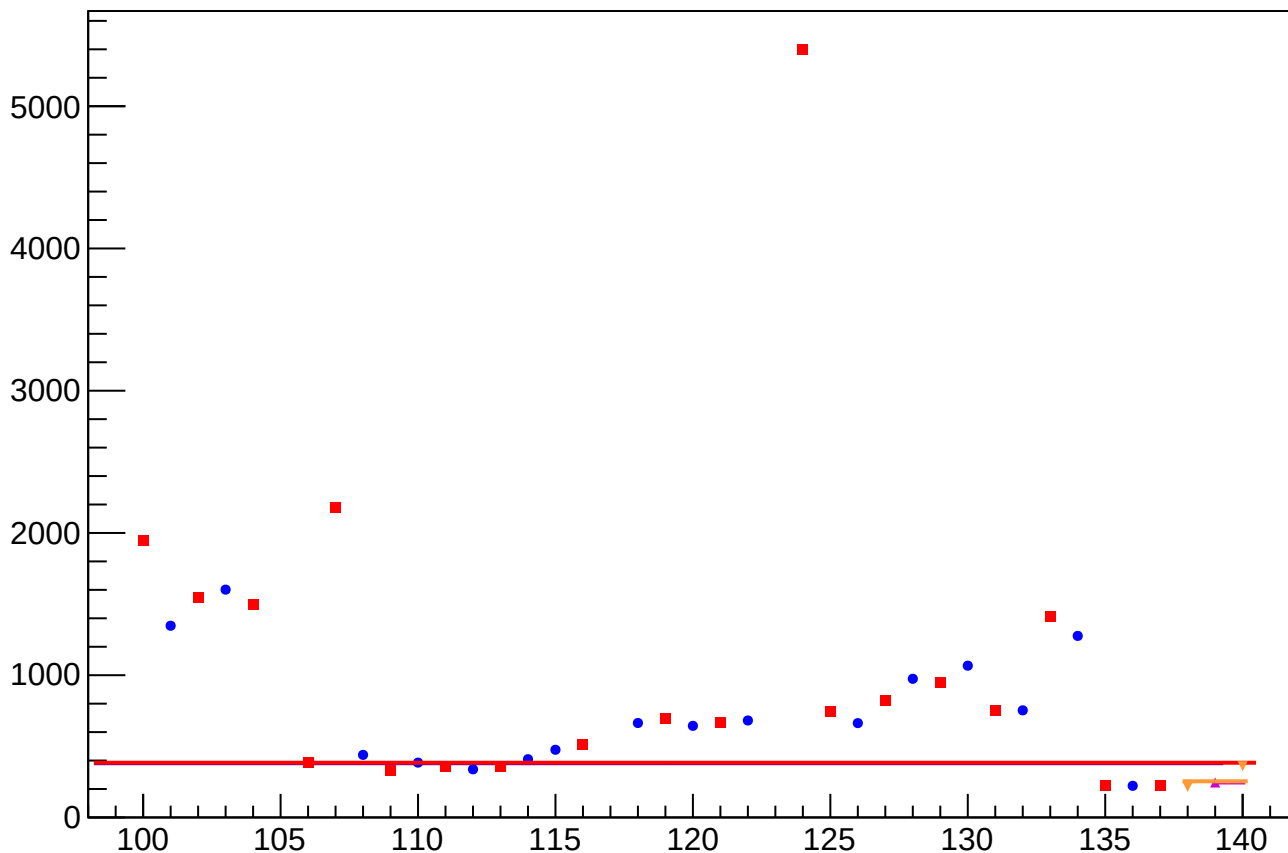
Left In: -395.117+/-276.910 χ^2 /NDF: 0.0/0

+ sign -151.241+/-131.401 χ^2 /NDF: 22.3/17

All: -183.528+/-97.268 χ^2 /NDF: 38.8/37

- sign -222.664+/-144.669 χ^2 /NDF: 16.4/19

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF : 4317922.6/15

Left Out: 254.208+/-0.146 χ^2/NDF : 200321.8/1

Right Out: 384.651+/-0.120 χ^2/NDF : 4560208.6/18

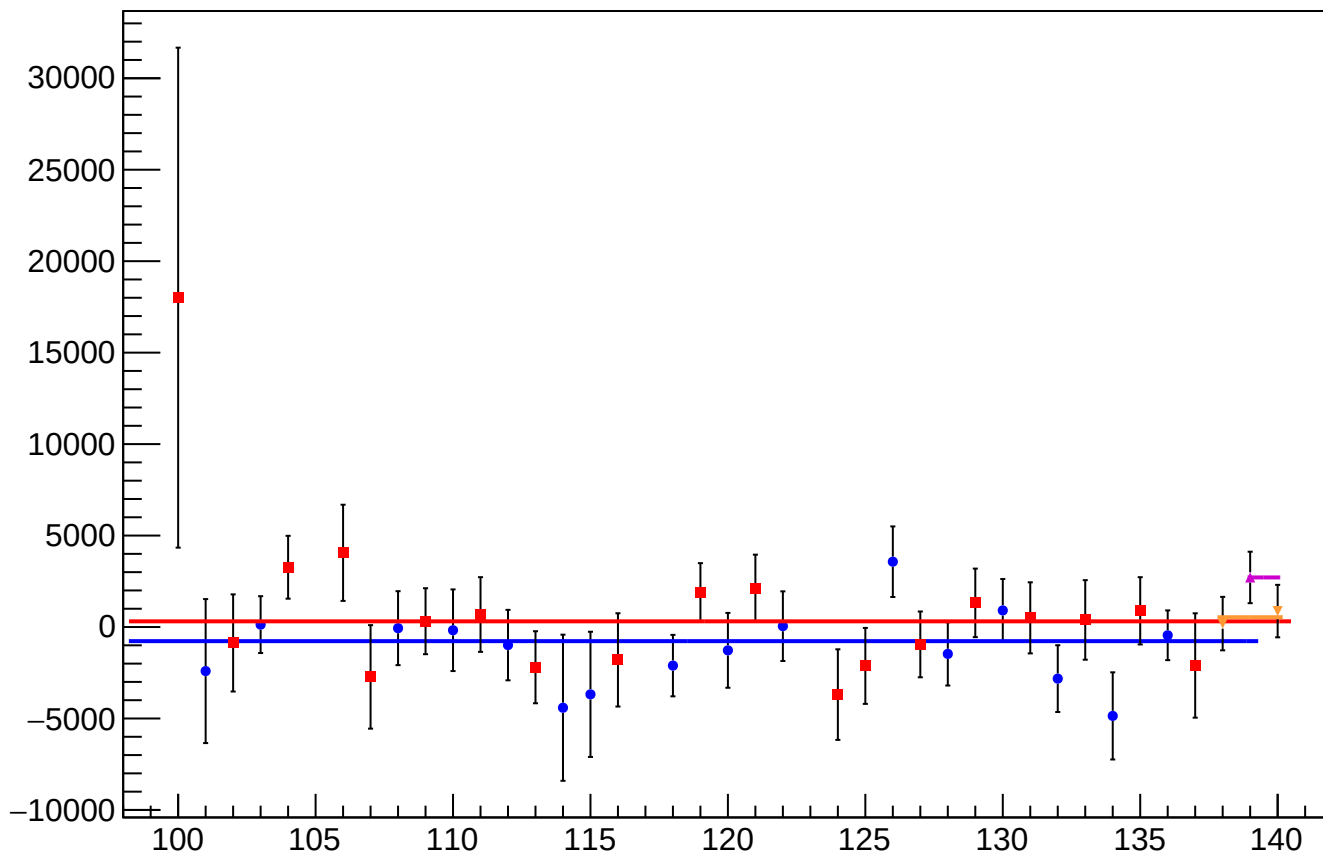
Left In: 245.944+/-0.196 χ^2/NDF : 0.0/0

+ sign 330.194+/-0.093 χ^2/NDF : 4968493.4/17

All: 337.697+/-0.069 χ^2/NDF : 9907975.4/37

- sign 346.792+/-0.102 χ^2/NDF : 4925058.0/19

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF : 13.6/15

Left Out: 535.669+/-1023.631 χ^2/NDF : 0.1/1

Right Out: 311.419+/-482.642 χ^2/NDF : 17.9/18

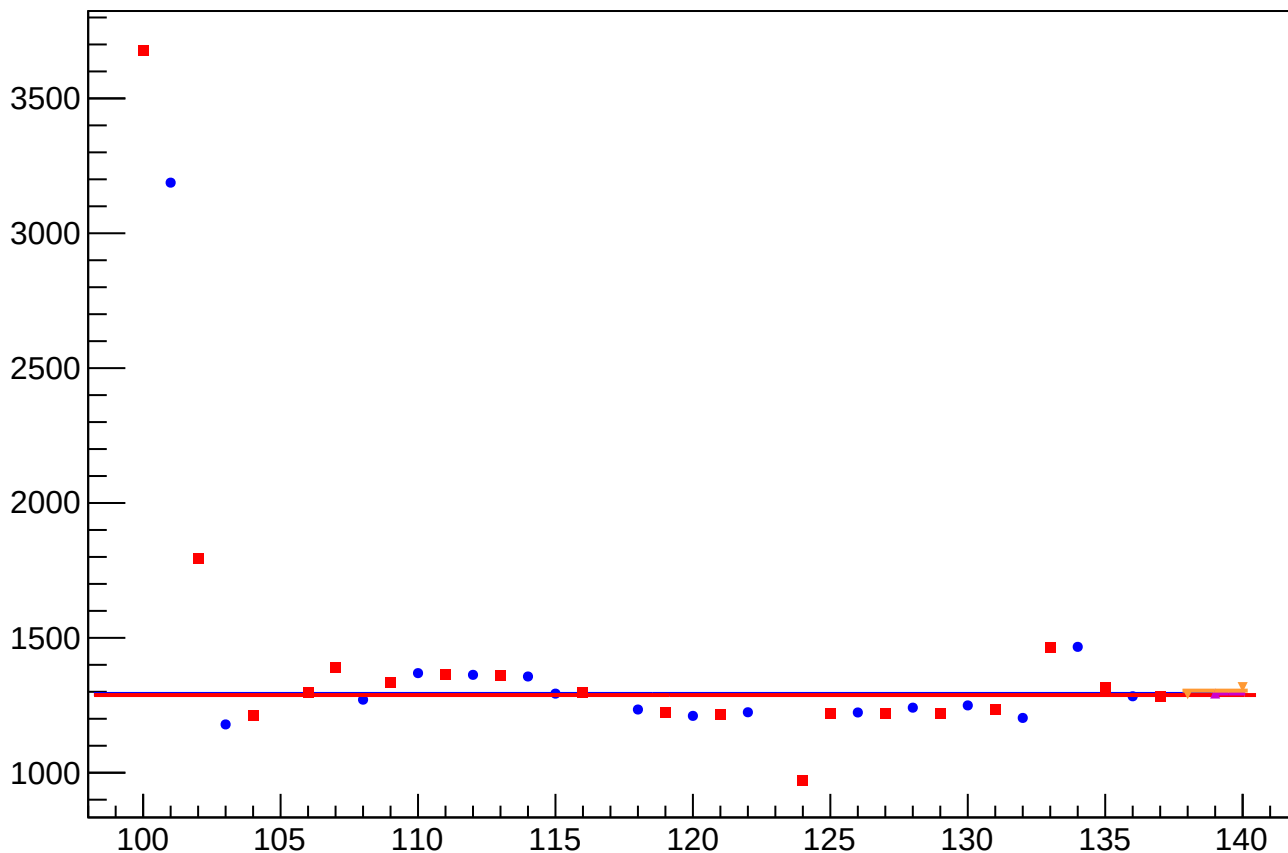
Left In: 2710.913+/-1406.468 χ^2/NDF : 0.0/0

+ sign -528.134+/-441.680 χ^2/NDF : 15.0/17

All: 0.007+/-317.429 χ^2/NDF : 38.5/37

- sign 564.211+/-456.511 χ^2/NDF : 20.5/19

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.2/15

Left Out: 1304.299 $\pm$ 0.724 χ^2 /NDF: 331.7/1

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

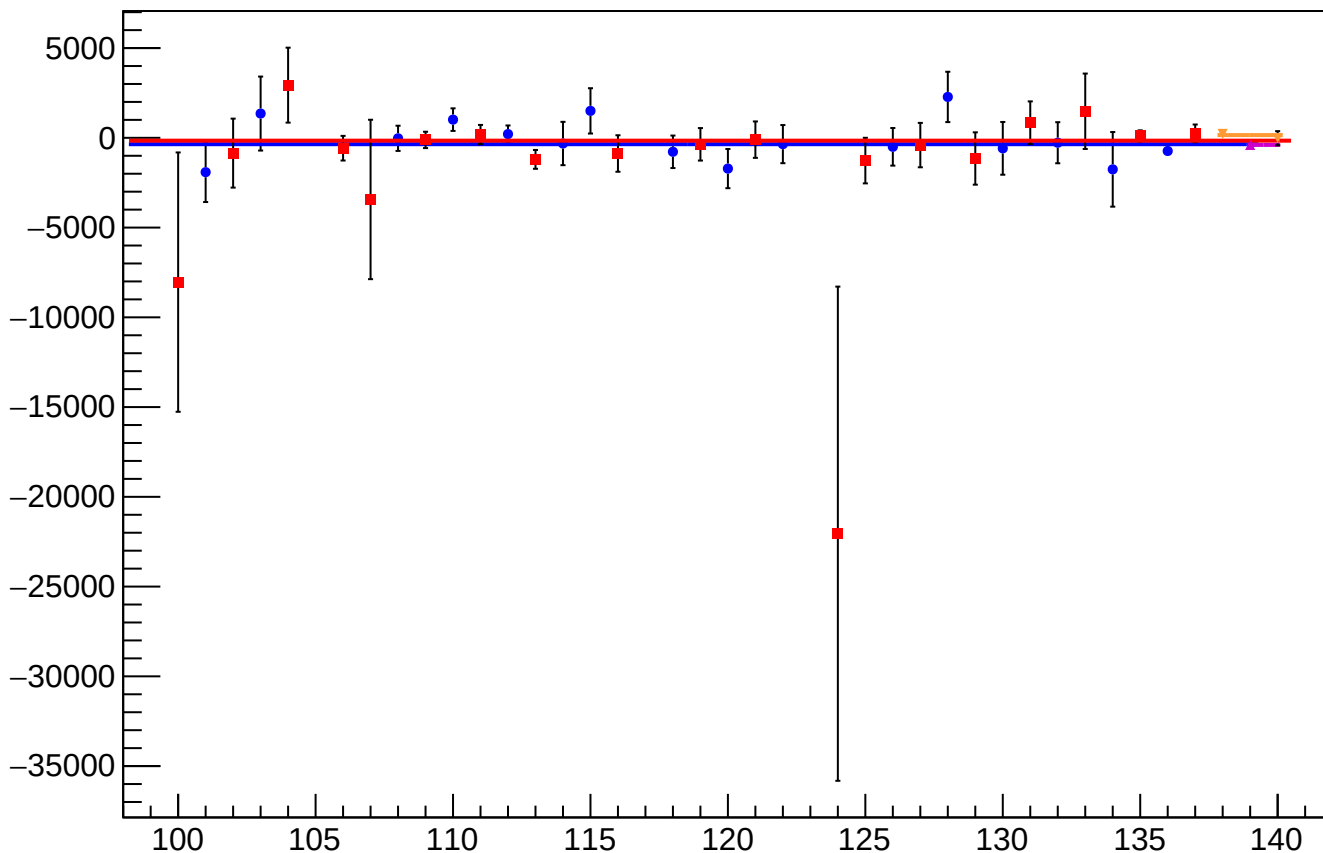
Left In: 1293.708 $\pm$ 0.995 χ^2 /NDF: 0.0/0

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1291.550 $\pm$ 0.224 χ^2 /NDF: 719372.8/37

- sign 1288.591 $\pm$ 0.323 χ^2 /NDF: 209238.7/19

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: 151.769+/-207.167 χ^2 /NDF: 0.3/1

Right Out: -157.929+/-169.667 χ^2 /NDF: 15.8/18

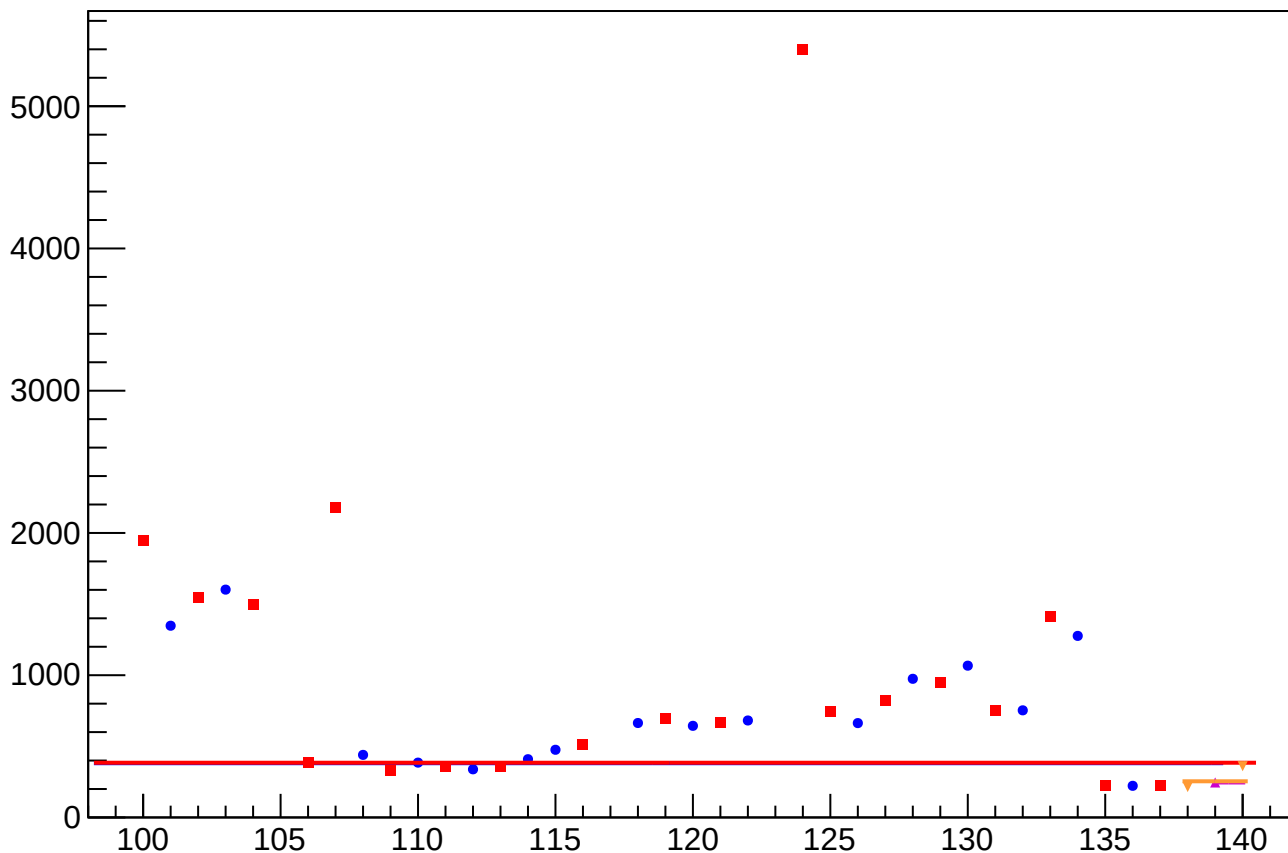
Left In: -395.143+/-276.926 χ^2 /NDF: 0.0/0

+ sign -151.246+/-131.405 χ^2 /NDF: 22.3/17

All: -183.534+/-97.270 χ^2 /NDF: 38.8/37

- sign -222.671+/-144.673 χ^2 /NDF: 16.4/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 381.359+/-0.120 χ^2/NDF : 4317737.3/15

Left Out: 254.222+/-0.146 χ^2/NDF : 200287.0/1

Right Out: 384.658+/-0.120 χ^2/NDF : 4560068.3/18

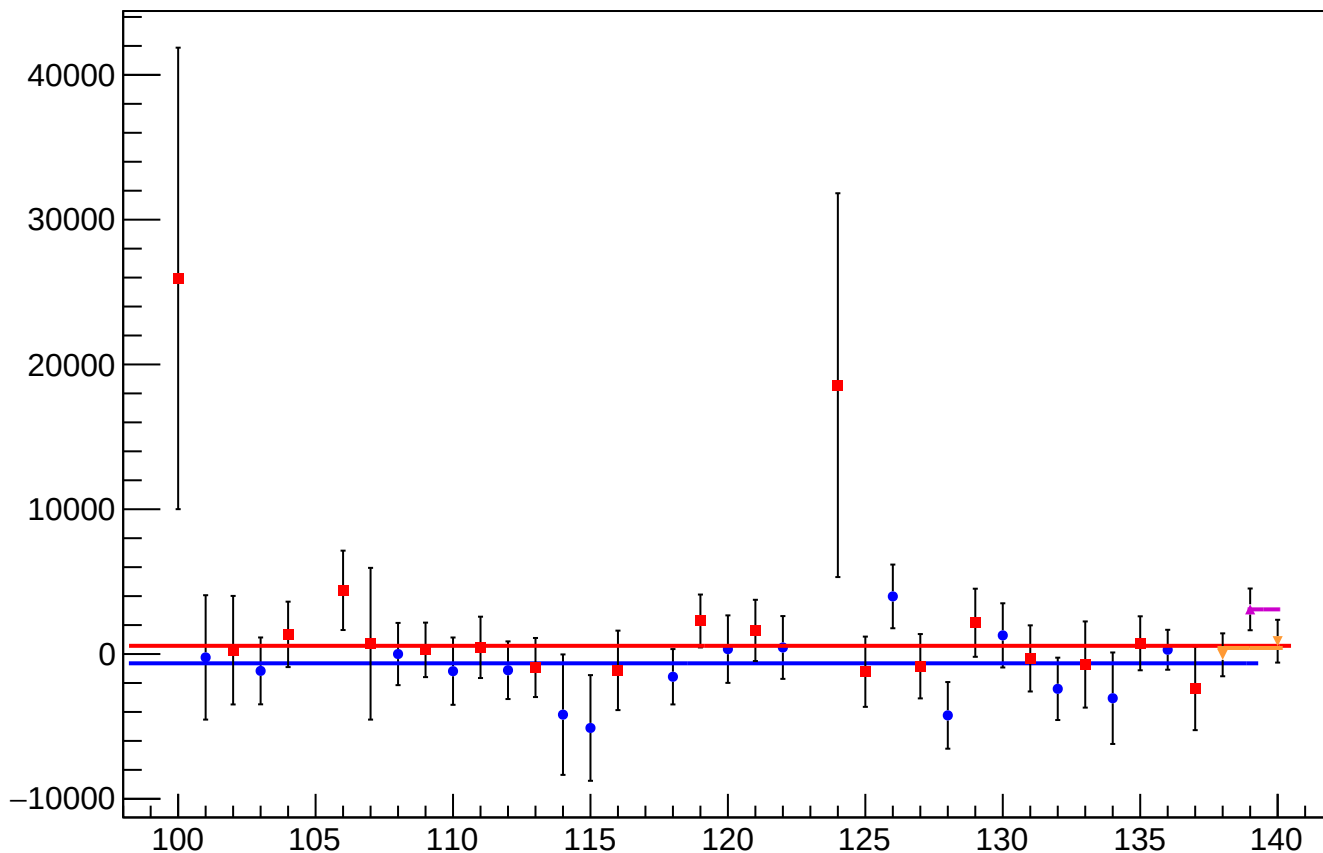
Left In: 245.960+/-0.196 χ^2/NDF : 0.0/0

+ sign 330.208+/-0.093 χ^2/NDF : 4968216.2/17

All: 337.710+/-0.069 χ^2/NDF : 9907480.4/37

- sign 346.804+/-0.102 χ^2/NDF : 4924842.5/19

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF : 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF : 0.2/1

Right Out: 567.254+/-566.774 χ^2/NDF : 11.3/18

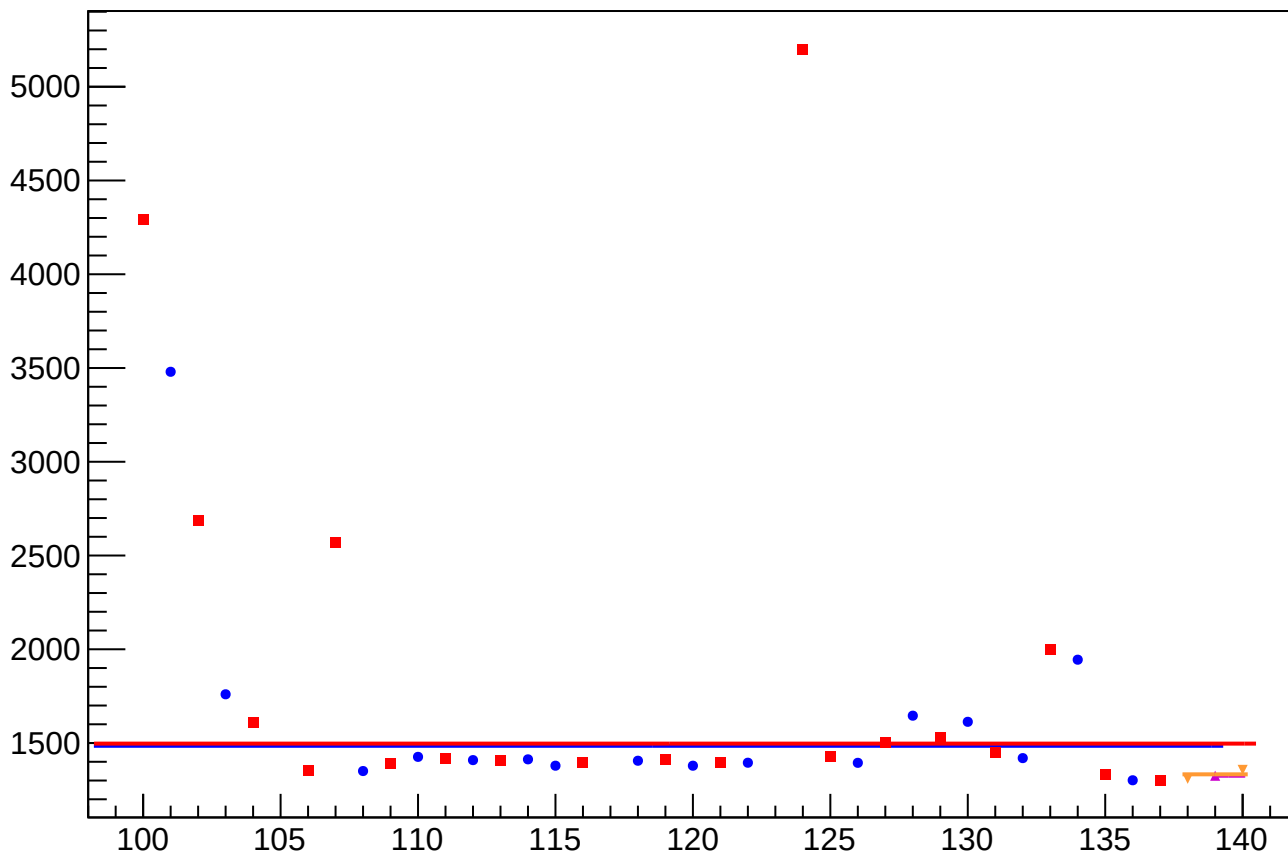
Left In: 3084.290+/-1441.372 χ^2/NDF : 0.0/0

+ sign -402.275+/-496.718 χ^2/NDF : 13.5/17

All: 211.838+/-361.613 χ^2/NDF : 30.7/37

- sign 904.322+/-527.461 χ^2/NDF : 14.0/19

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF :1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

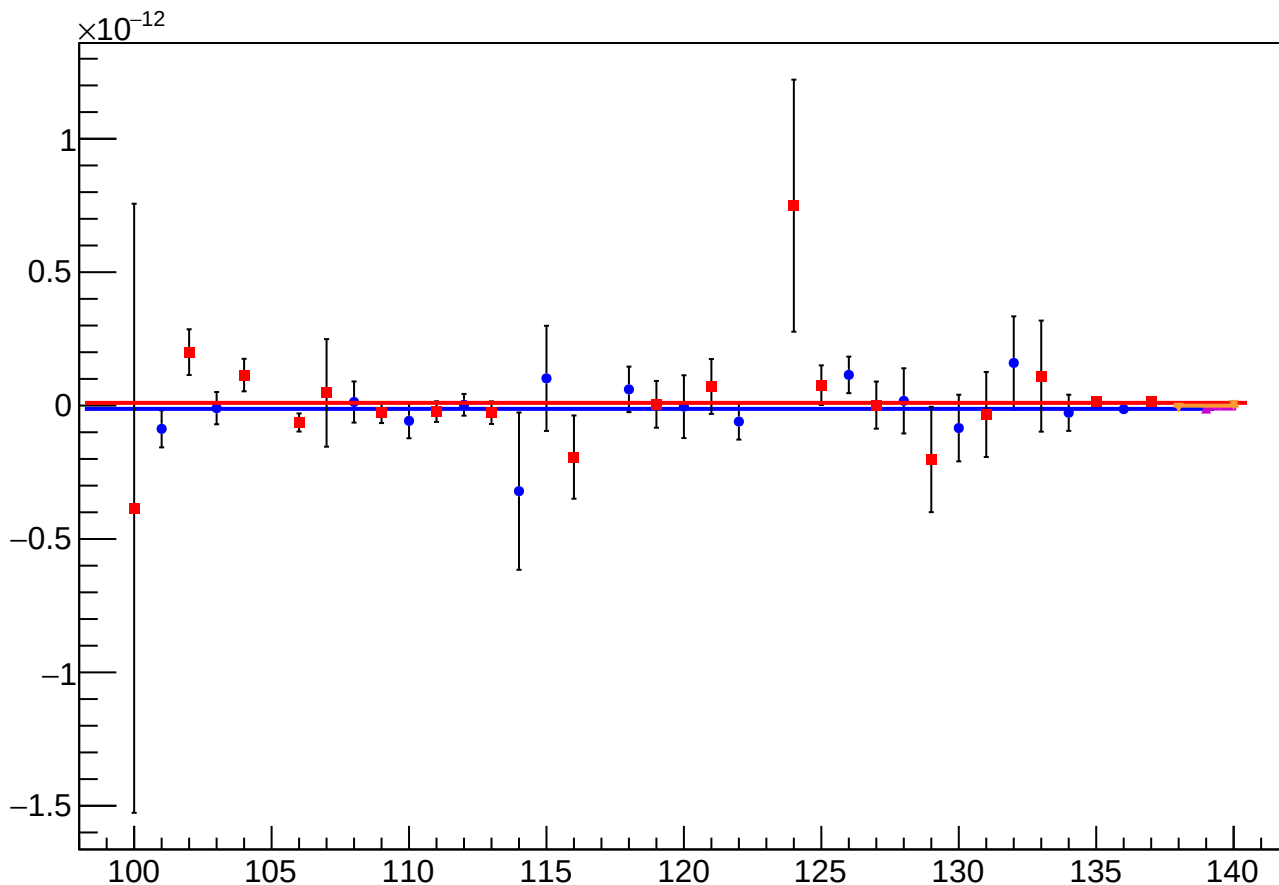
Left In: 1325.625+/-1.019 χ^2/NDF :0.0/0

+ sign 1451.046+/-0.351 χ^2/NDF : 618330.6/17

All: 1461.804+/-0.256 χ^2/NDF : 1268067.6/37

- sign 1473.934+/-0.373 χ^2/NDF : 647741.2/19

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug

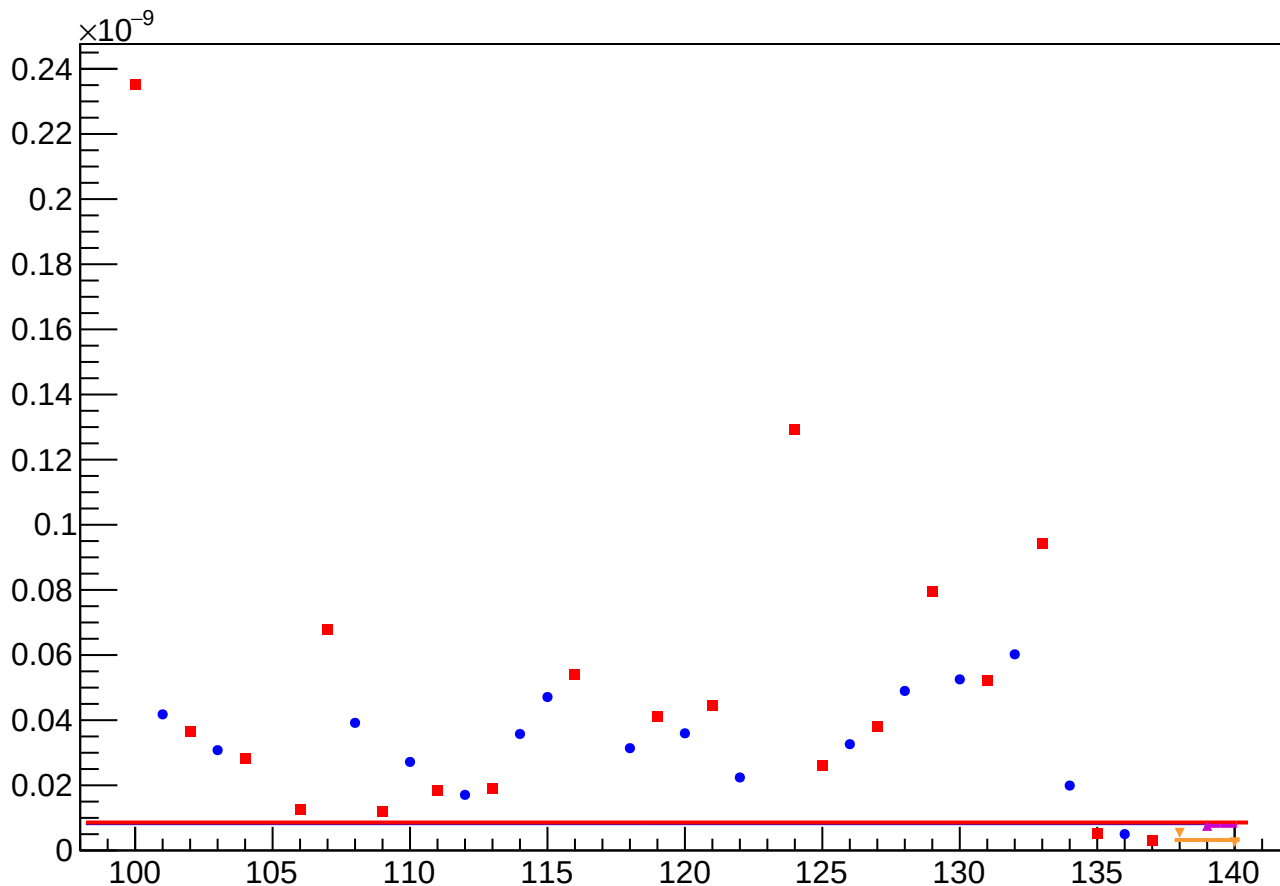


+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/19

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 171686.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3348571.5/18

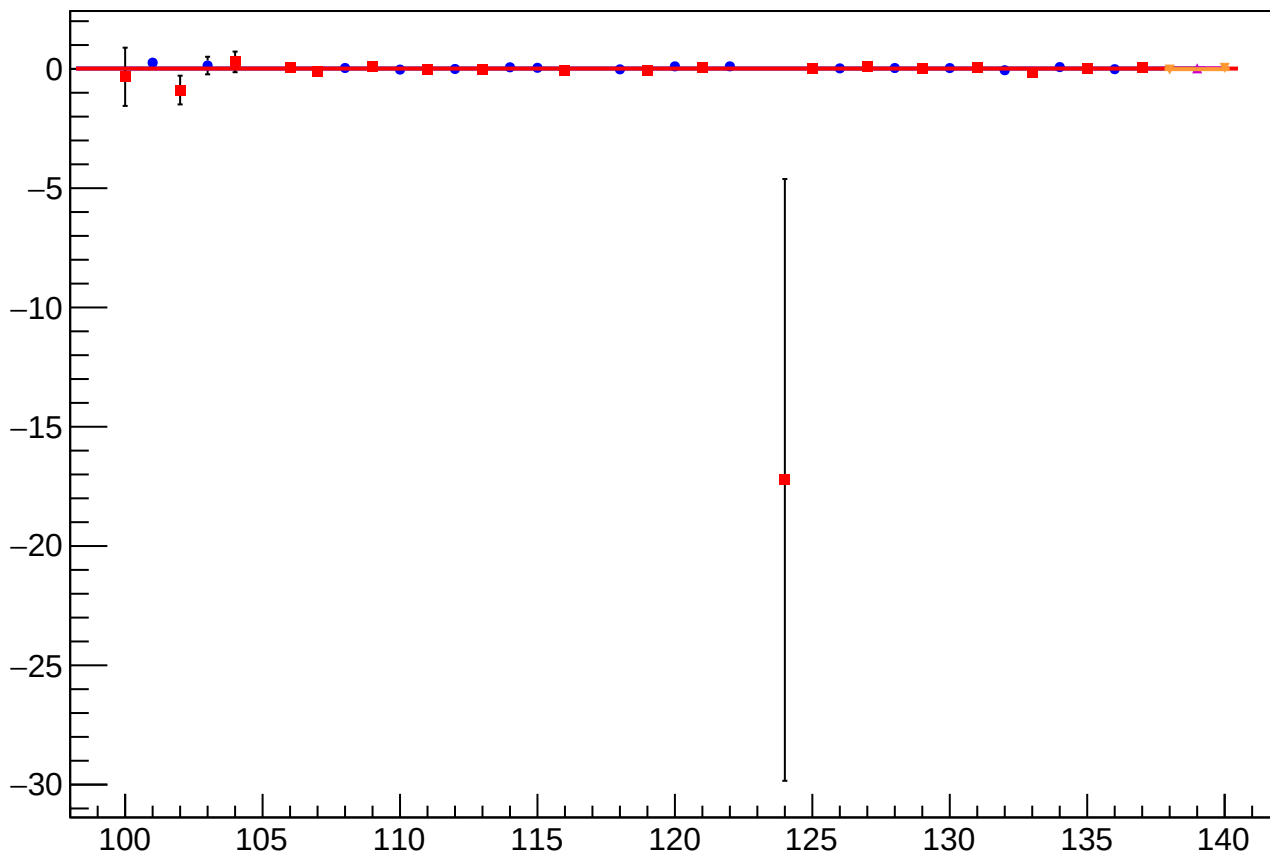
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3964271.9/17

All: 0.000+/-0.000 χ^2/NDF : 7834973.8/37

- sign 0.000+/-0.000 χ^2/NDF : 3360093.1/19

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

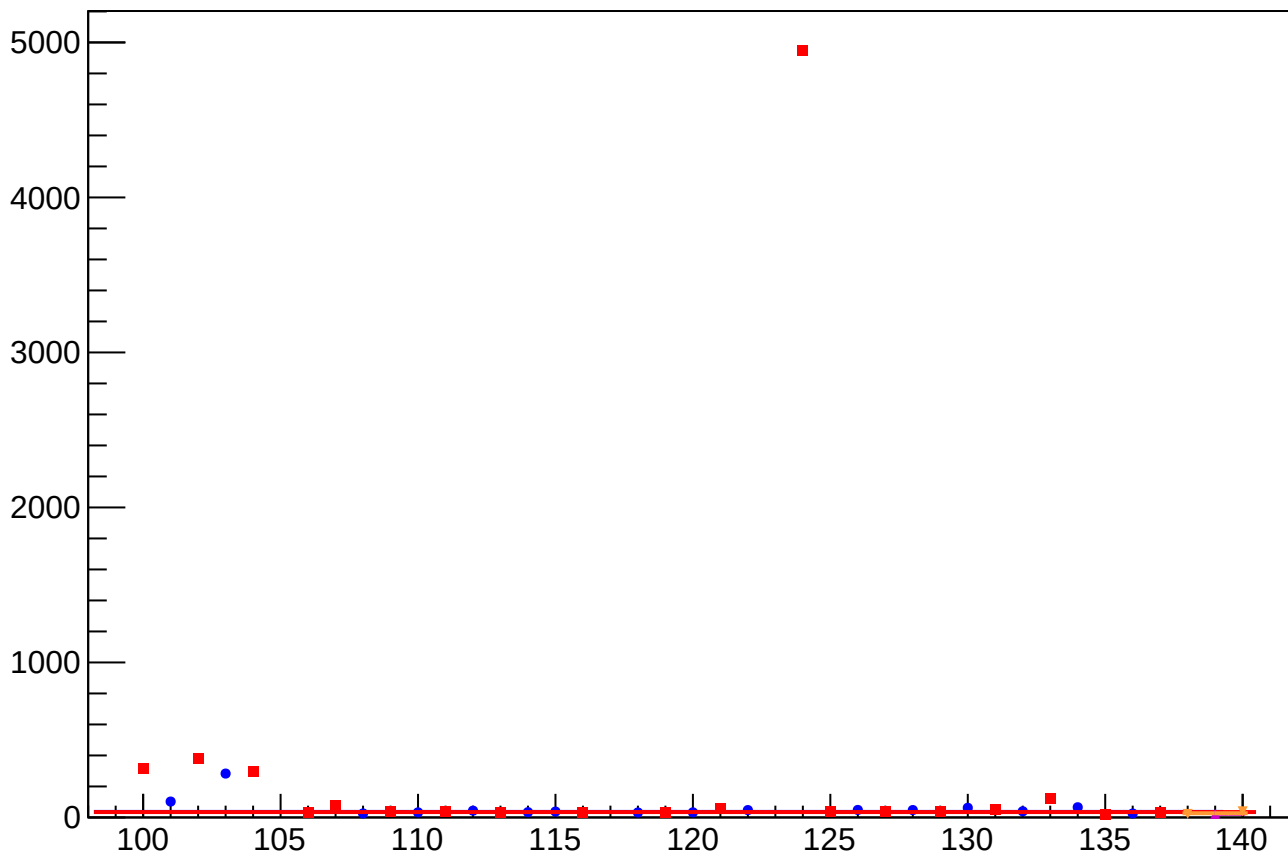
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 27.058 $\pm$ 0.017 χ^2 /NDF: 201472.7/1

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

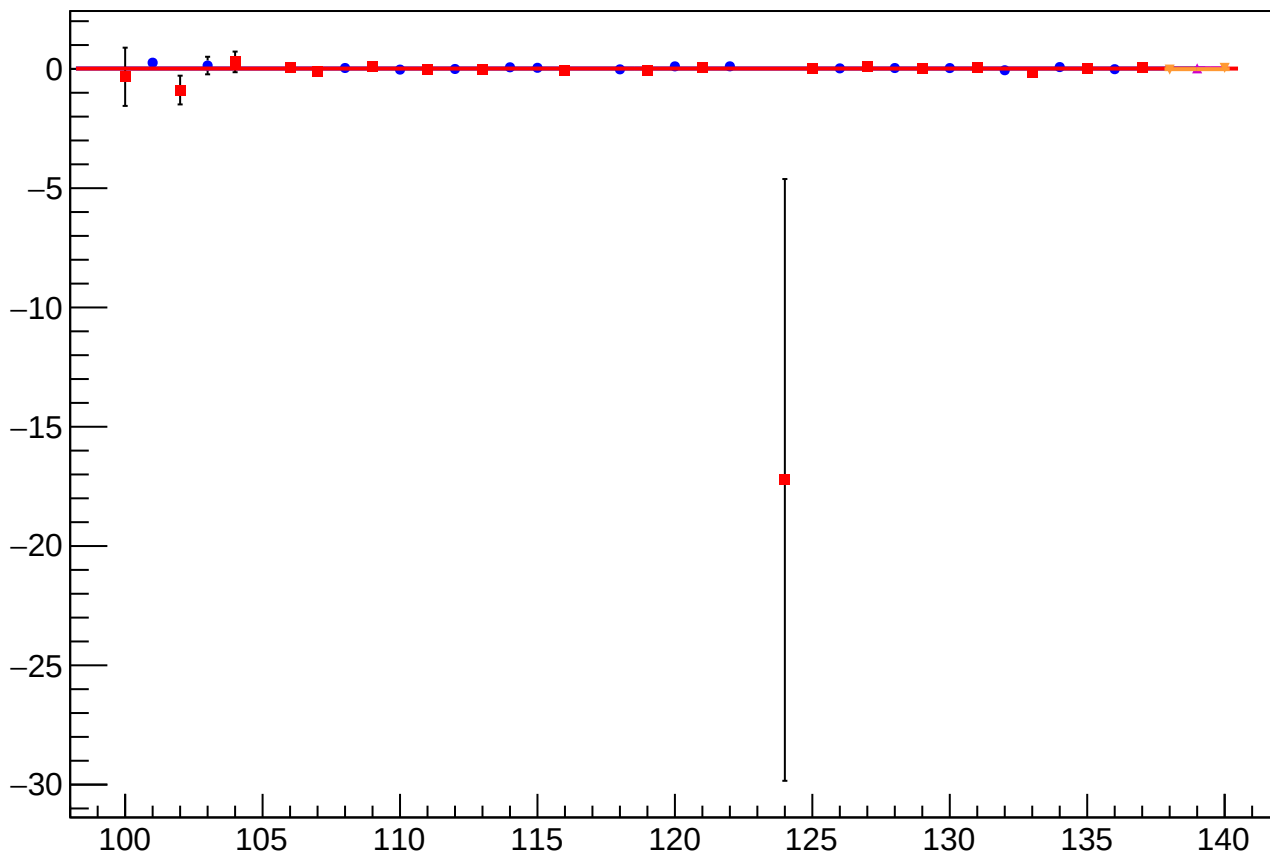
Left In: 23.483 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.743 $\pm$ 0.007 χ^2 /NDF: 5805975.1/37

- sign 32.295 $\pm$ 0.010 χ^2 /NDF: 3146162.9/19

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

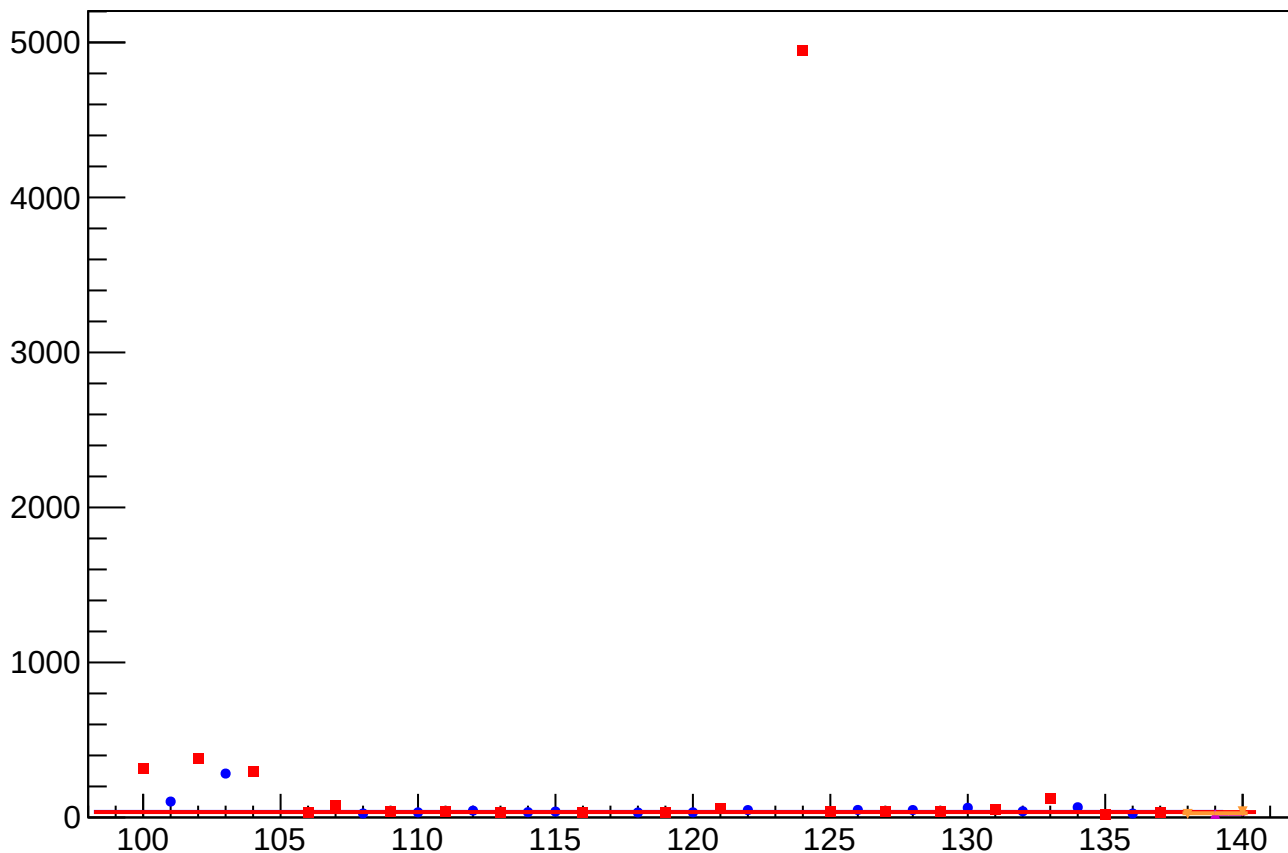
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 27.058 $\pm$ 0.017 χ^2 /NDF: 201472.7/1

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

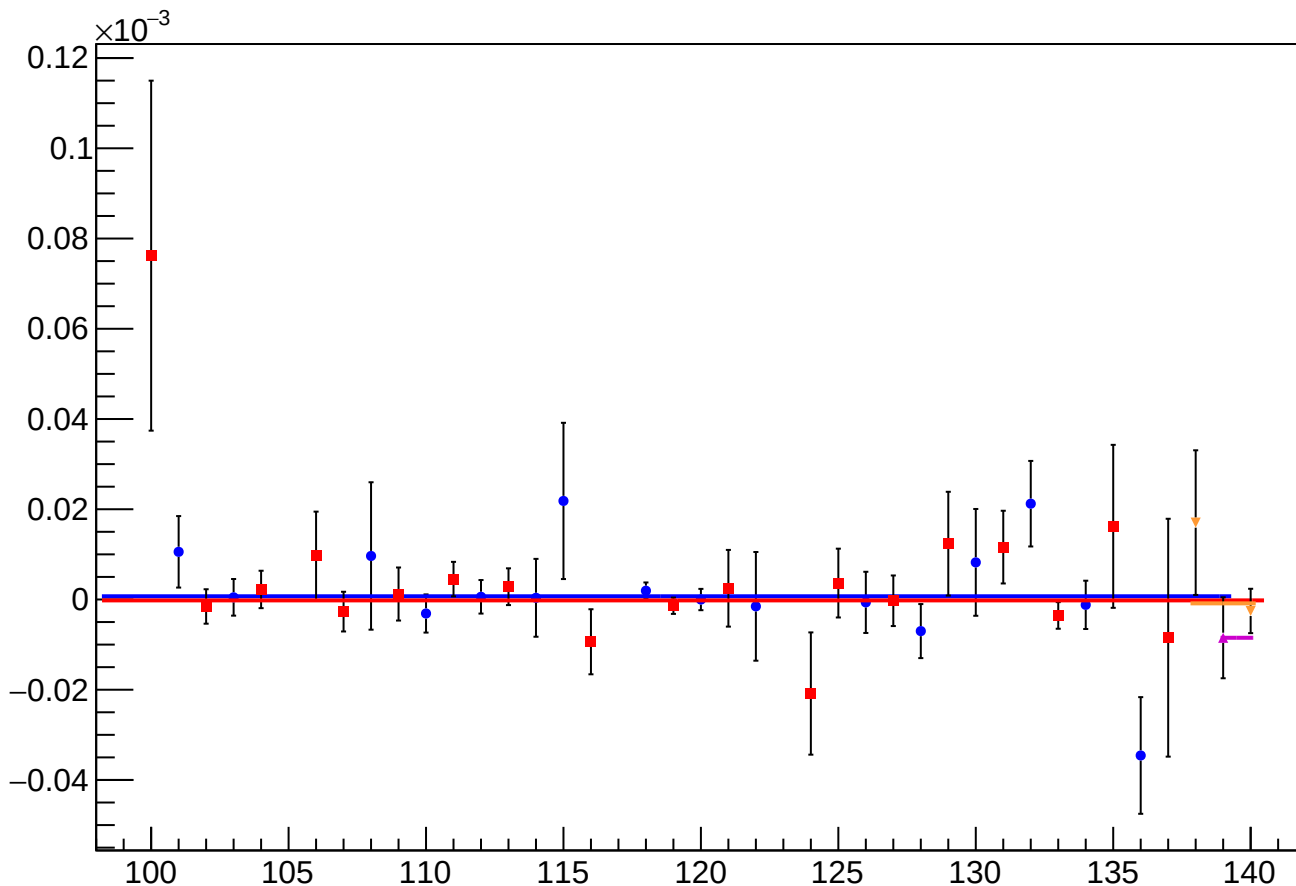
Left In: 23.483 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.743 $\pm$ 0.007 χ^2 /NDF: 5805975.1/37

- sign 32.295 $\pm$ 0.010 χ^2 /NDF: 3146162.9/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

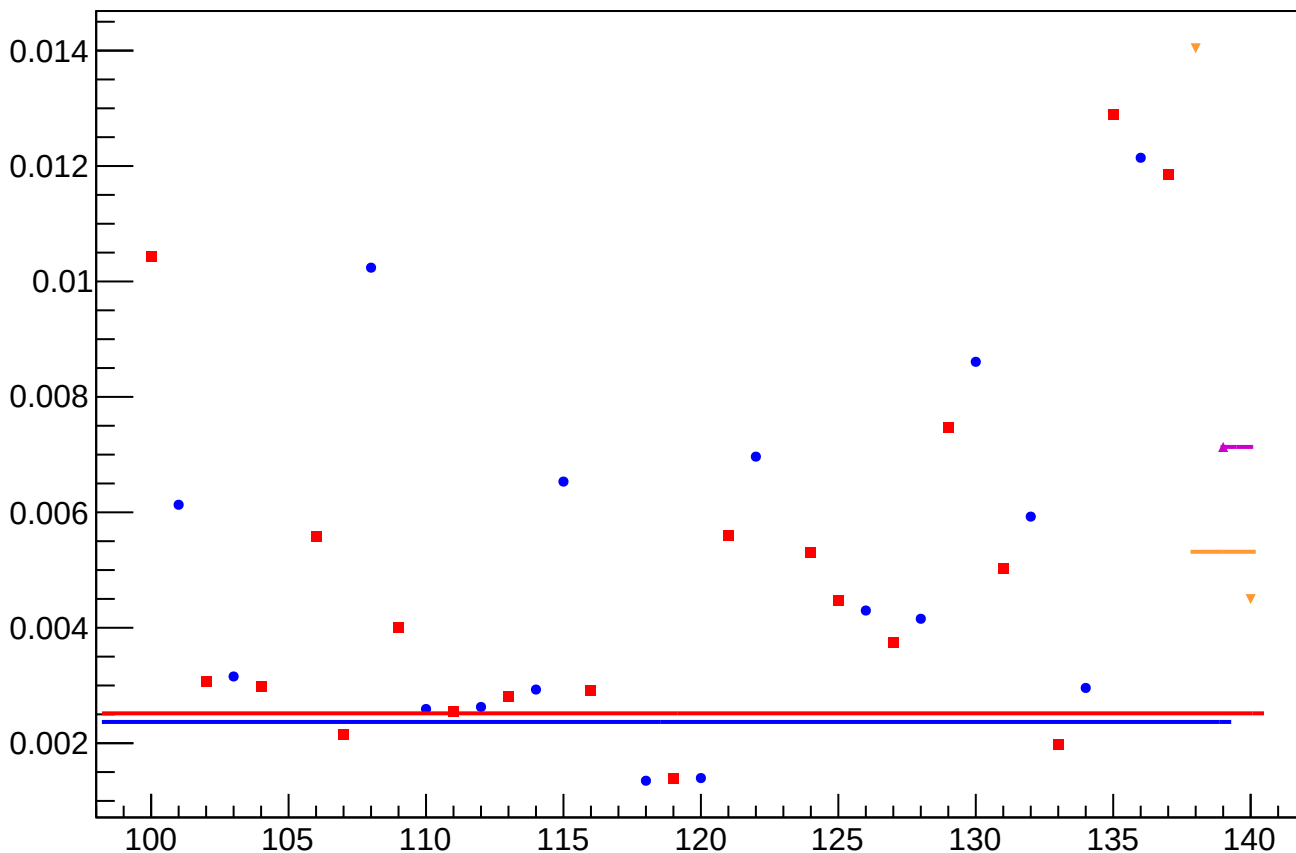
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4721602.1/15

Left Out: 0.005+/-0.000 χ^2/NDF : 647888.0/1

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

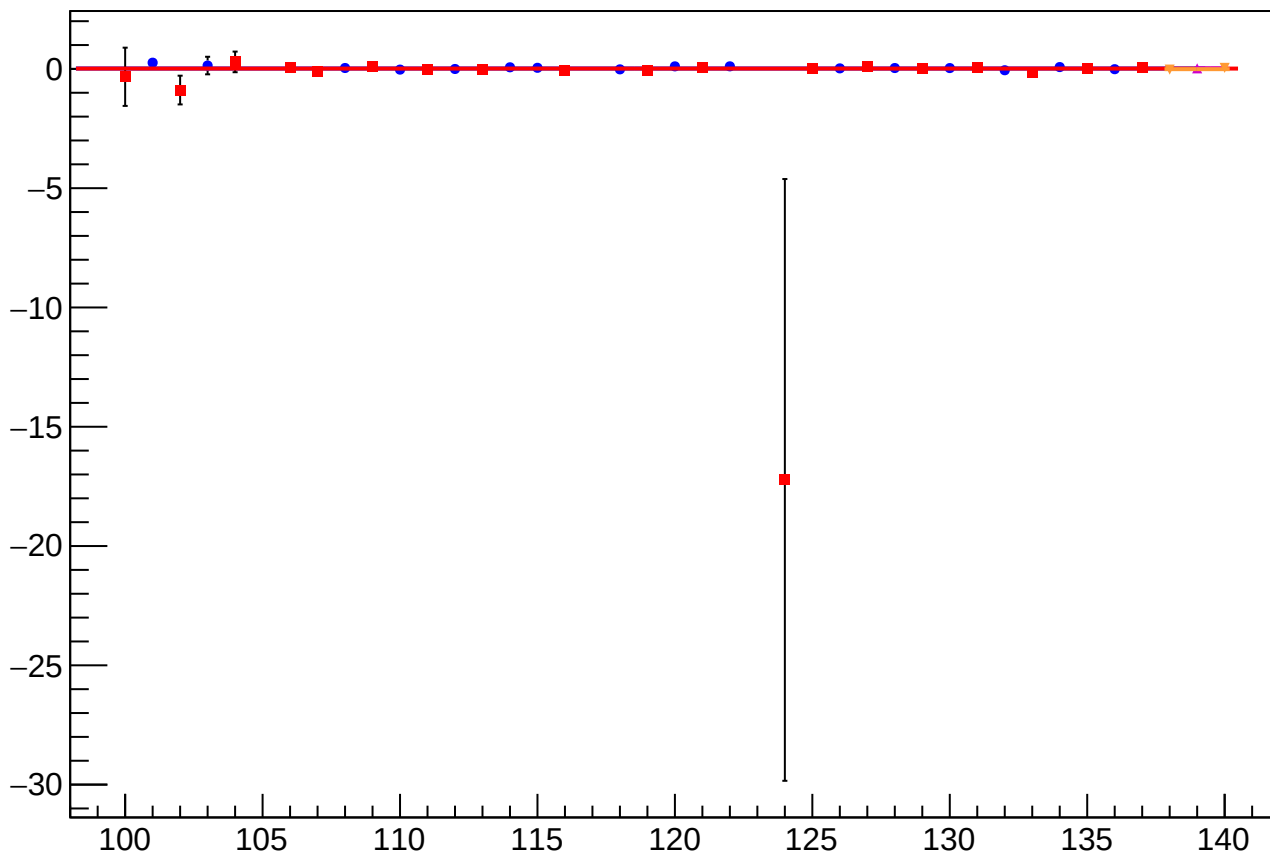
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 6115096.4/17

All: 0.003+/-0.000 χ^2/NDF : 10037424.6/37

- sign 0.003+/-0.000 χ^2/NDF : 3919326.8/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

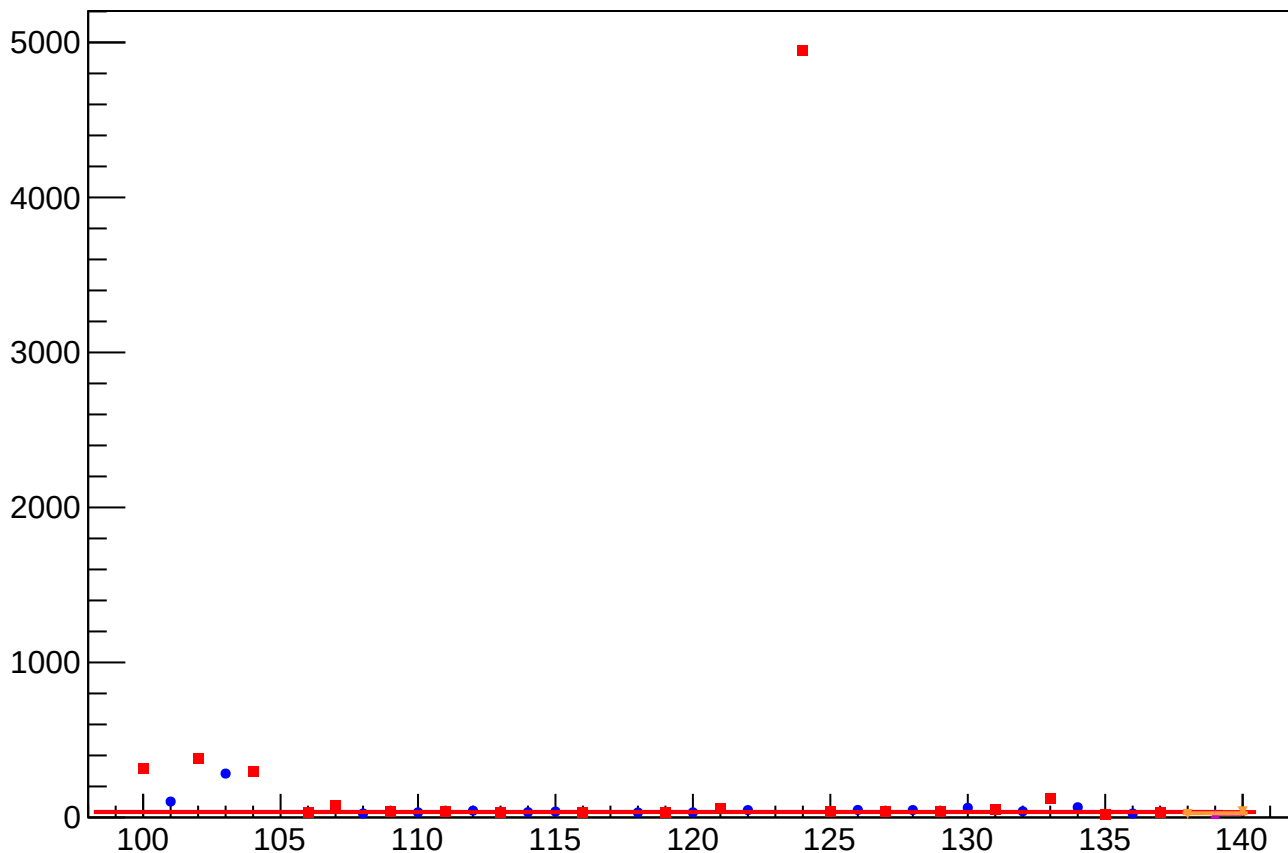
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 0.011 χ^2 /NDF: 2264513.9/15

Left Out: 27.057 $\pm$ 0.017 χ^2 /NDF: 201563.0/1

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

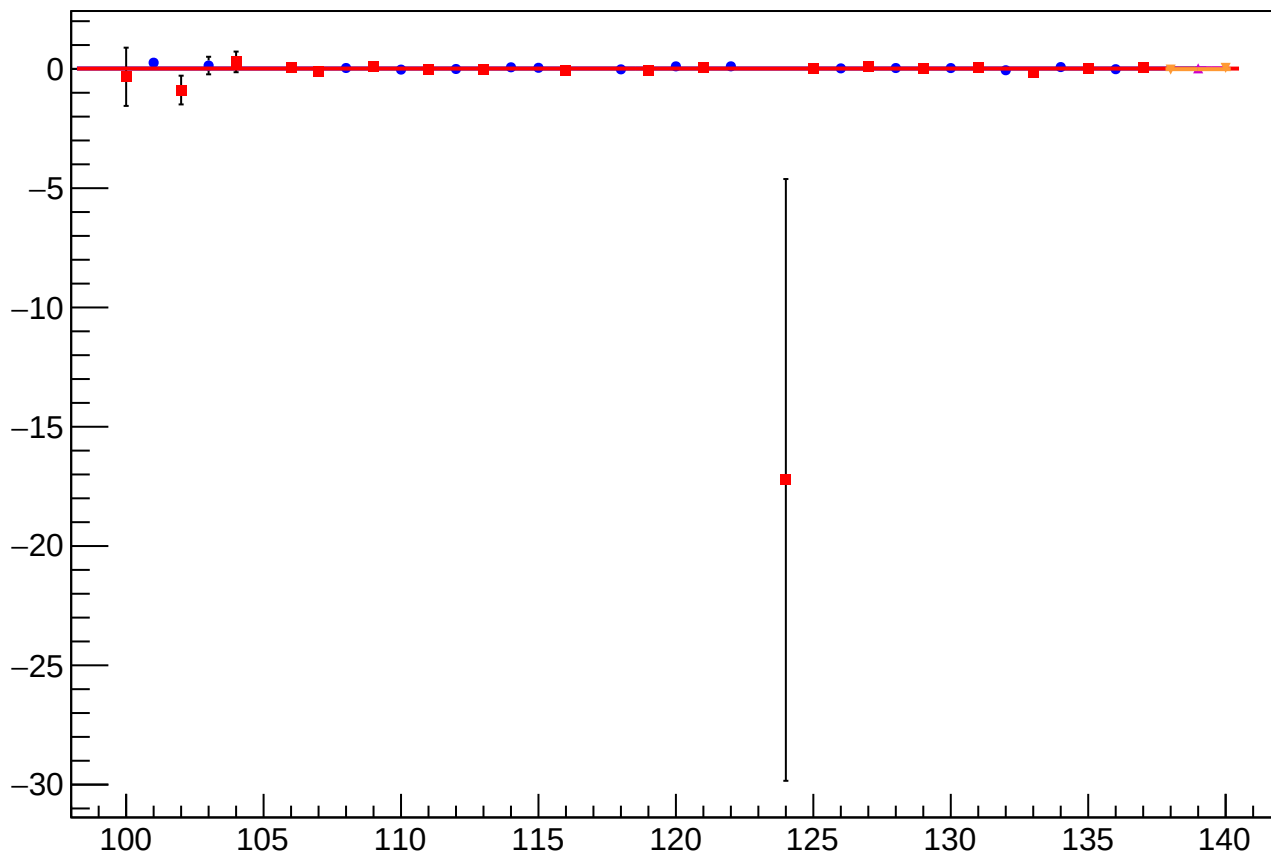
Left In: 23.477 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 33.138 $\pm$ 0.009 χ^2 /NDF: 2655758.9/17

All: 32.743 $\pm$ 0.007 χ^2 /NDF: 5806076.0/37

- sign 32.294 $\pm$ 0.010 χ^2 /NDF: 3146323.1/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.010 $\pm$ 0.024 χ^2 /NDF: 1.9/1

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

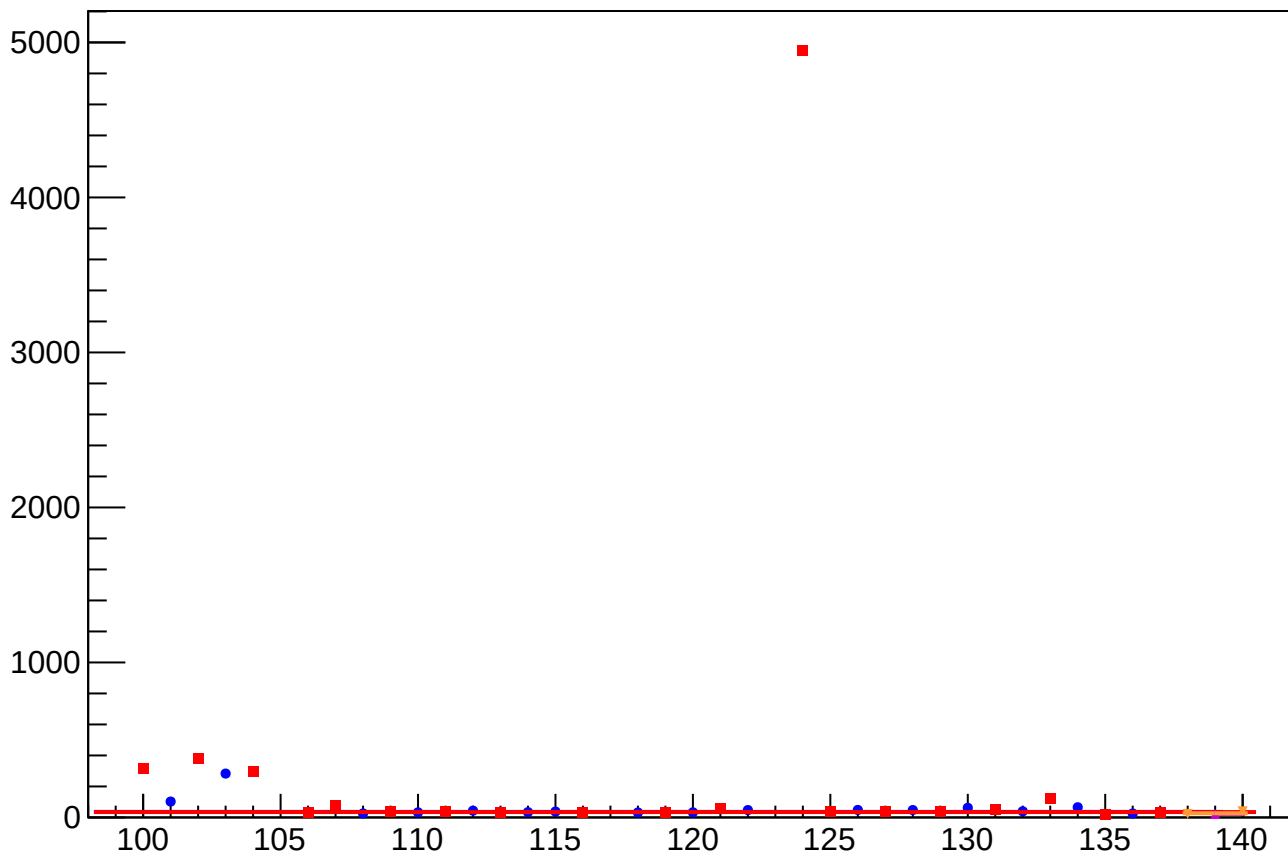
Left In: 0.024 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 30.6/37

- sign 0.016 $\pm$ 0.014 χ^2 /NDF: 16.1/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF : 201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

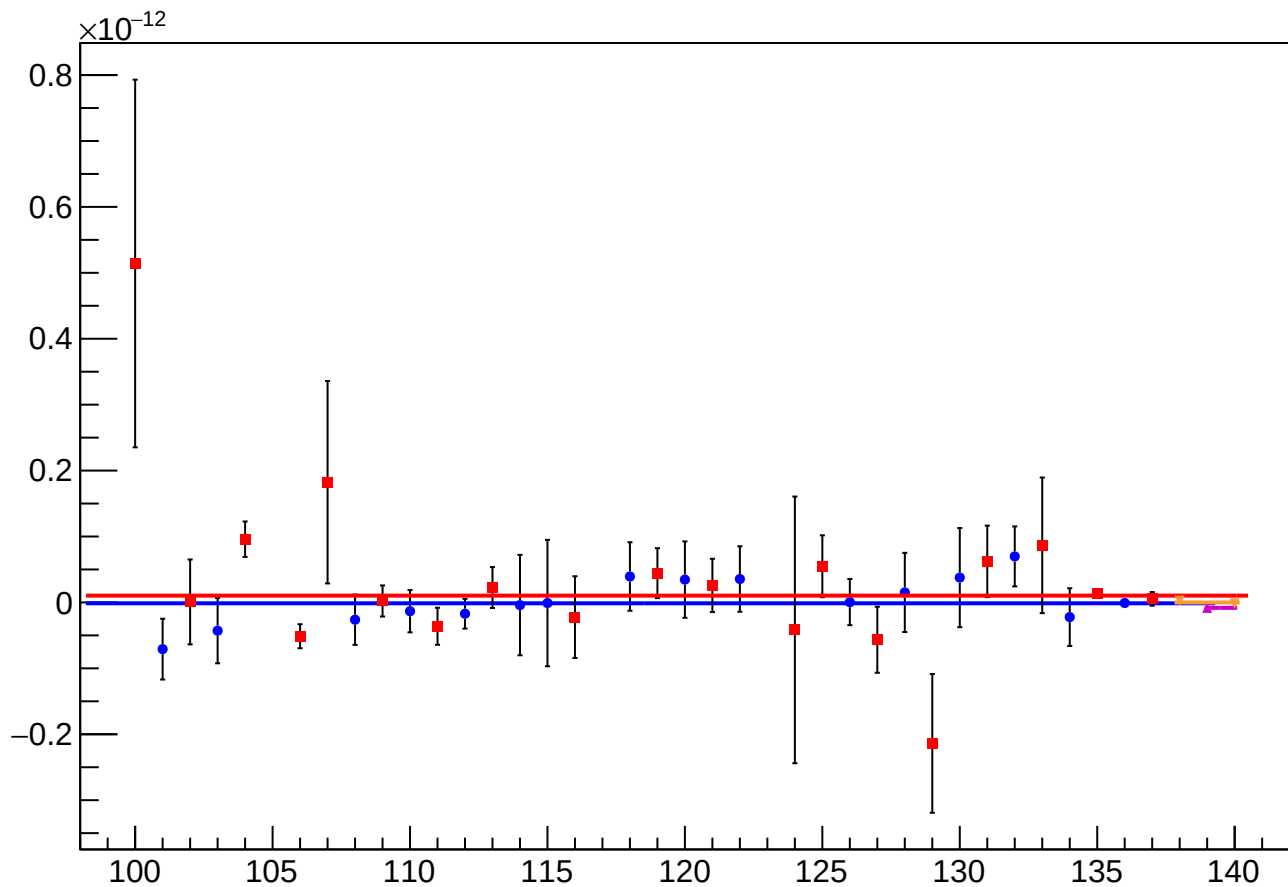
Left In: 23.477+/-0.021 χ^2/NDF : 0.0/0

+ sign 33.138+/-0.009 χ^2/NDF : 2655758.9/17

All: 32.743+/-0.007 χ^2/NDF : 5806076.0/37

- sign 32.294+/-0.010 χ^2/NDF : 3146323.1/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/18

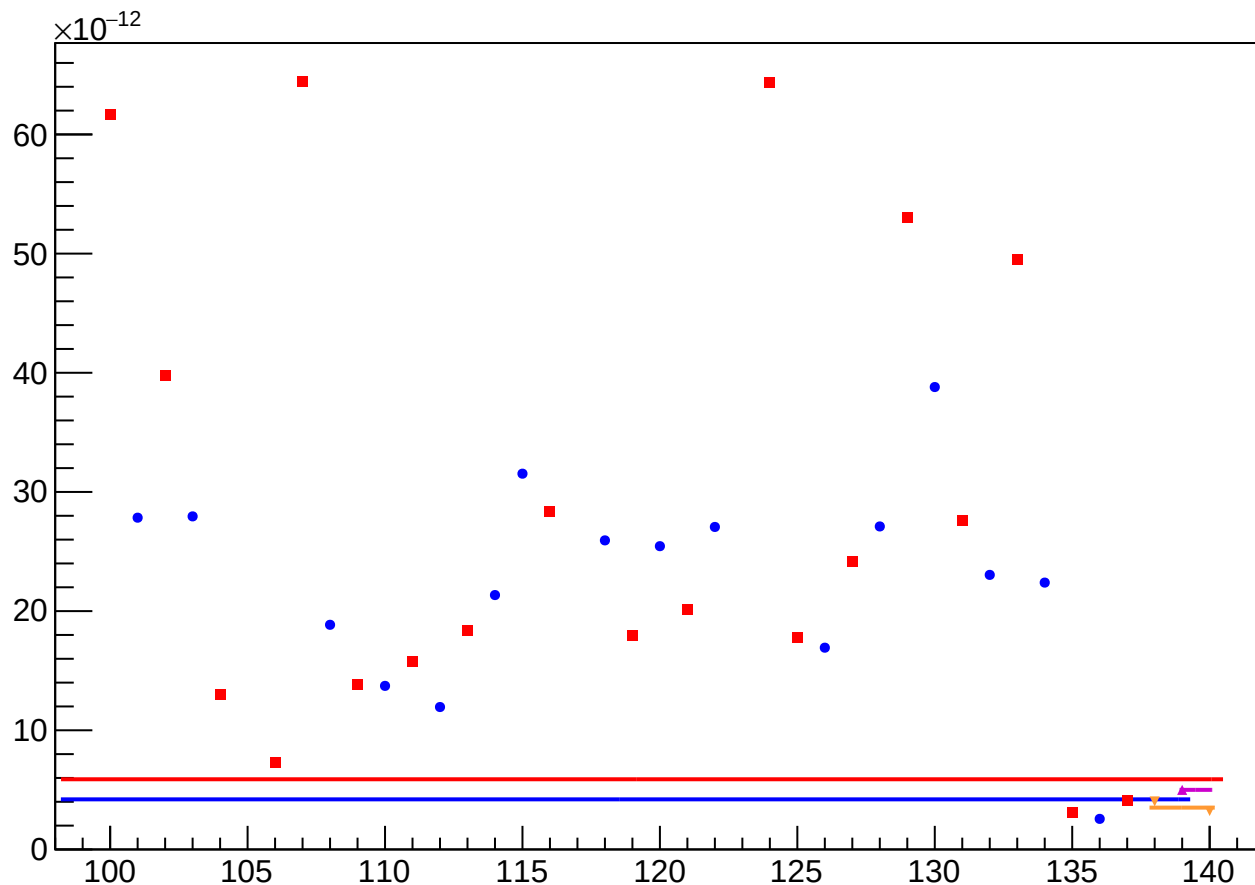
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.4/19

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 27633.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4860861.1/18

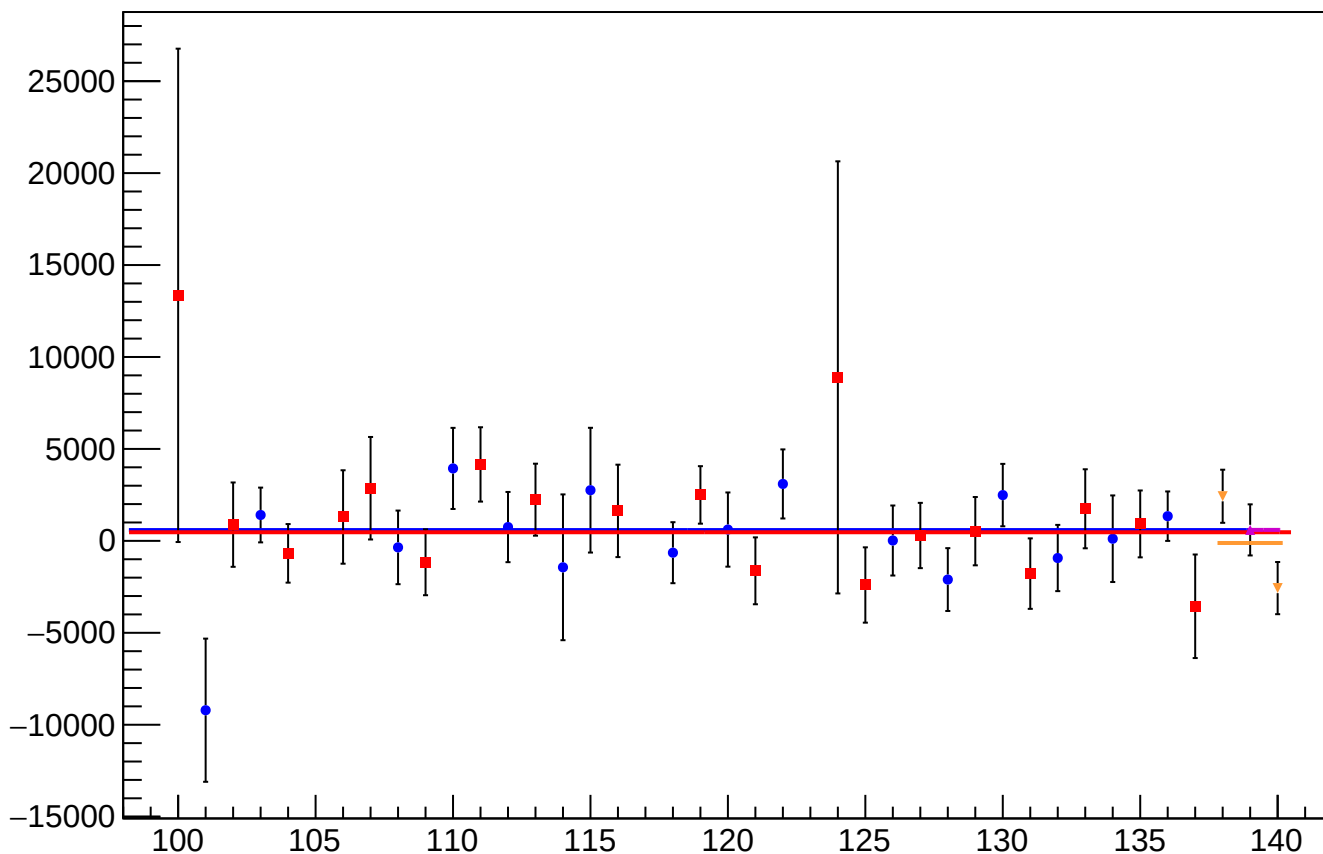
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5150867.9/17

All: 0.000+/-0.000 χ^2/NDF : 10394243.3/37

- sign 0.000+/-0.000 χ^2/NDF : 4886128.3/19

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -115.062 $\pm$ 1011.922 χ^2 /NDF:6.1/1

Right Out: 469.012 $\pm$ 480.516 χ^2 /NDF: 16.9/18

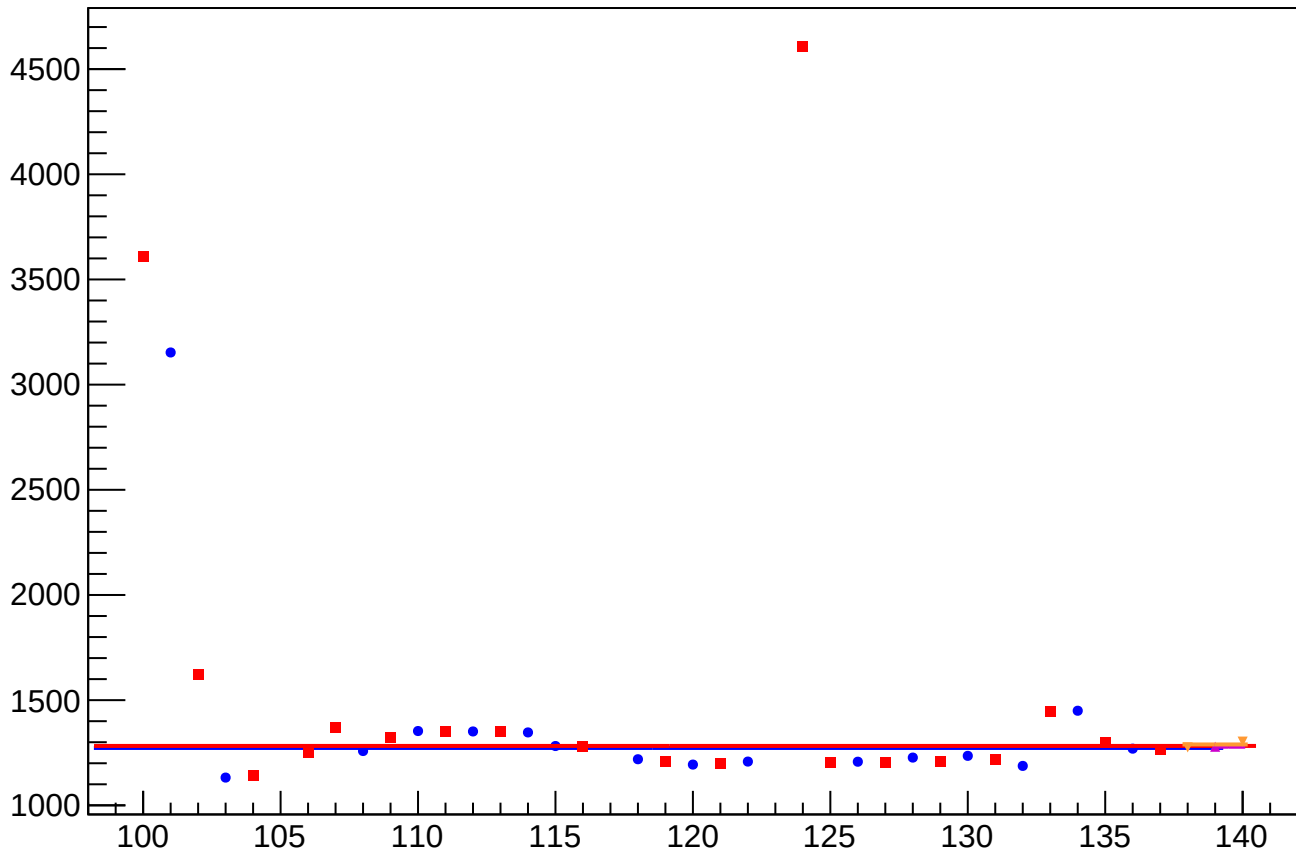
Left In: 596.547 $\pm$ 1389.692 χ^2 /NDF:0.0/0

+ sign 456.927 $\pm$ 435.476 χ^2 /NDF: 23.6/17

All: 469.241 $\pm$ 314.317 χ^2 /NDF: 40.4/37

- sign 482.632 $\pm$ 454.134 χ^2 /NDF: 16.9/19

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF : 322078.6/18

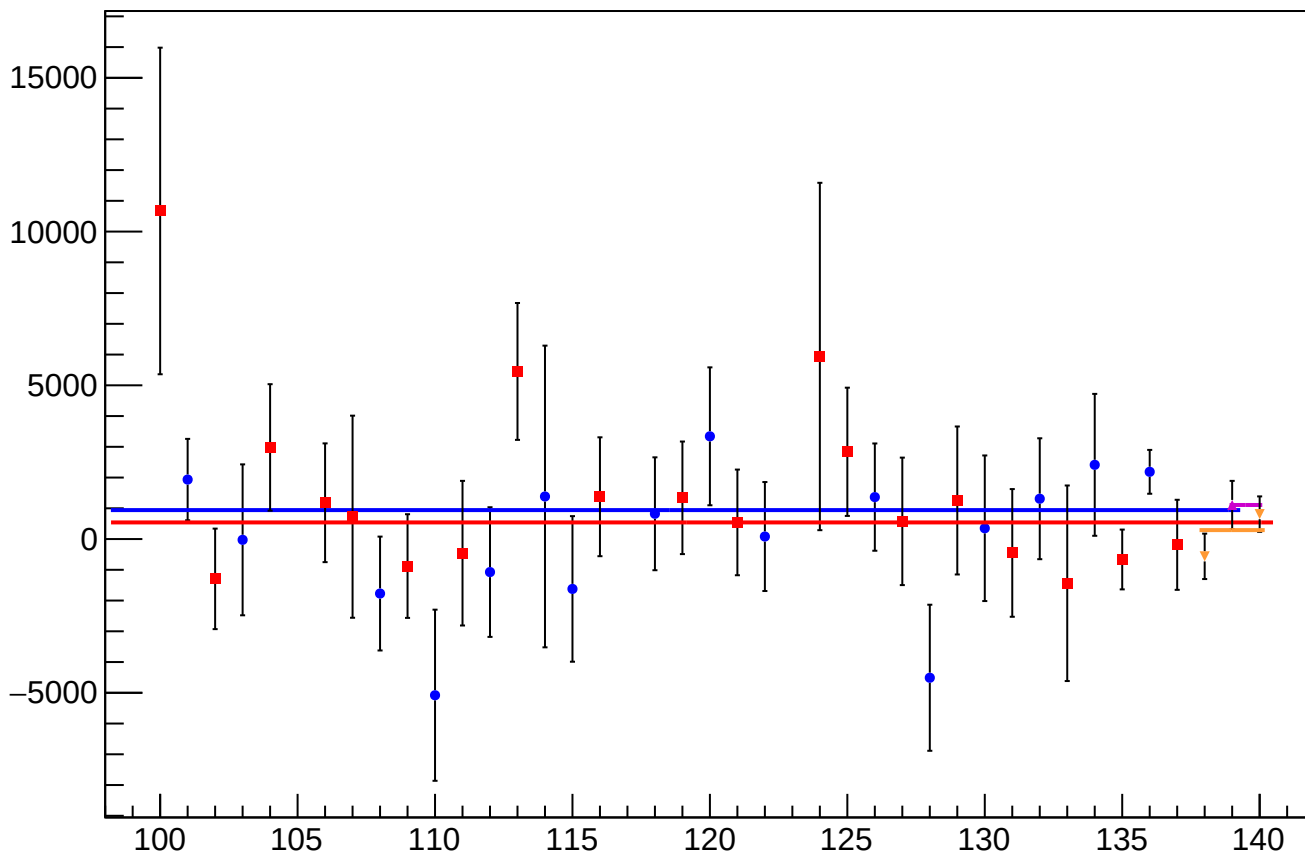
Left In: 1278.513+/-0.983 χ^2/NDF : 0.0/0

+ sign 1275.873+/-0.308 χ^2/NDF : 520103.5/17

All: 1278.786+/-0.222 χ^2/NDF : 842382.7/37

- sign 1281.954+/-0.321 χ^2/NDF : 322092.3/19

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: 291.098+/-454.354 χ^2/NDF : 2.1/1

Right Out: 540.622+/-439.905 χ^2/NDF : 17.2/18

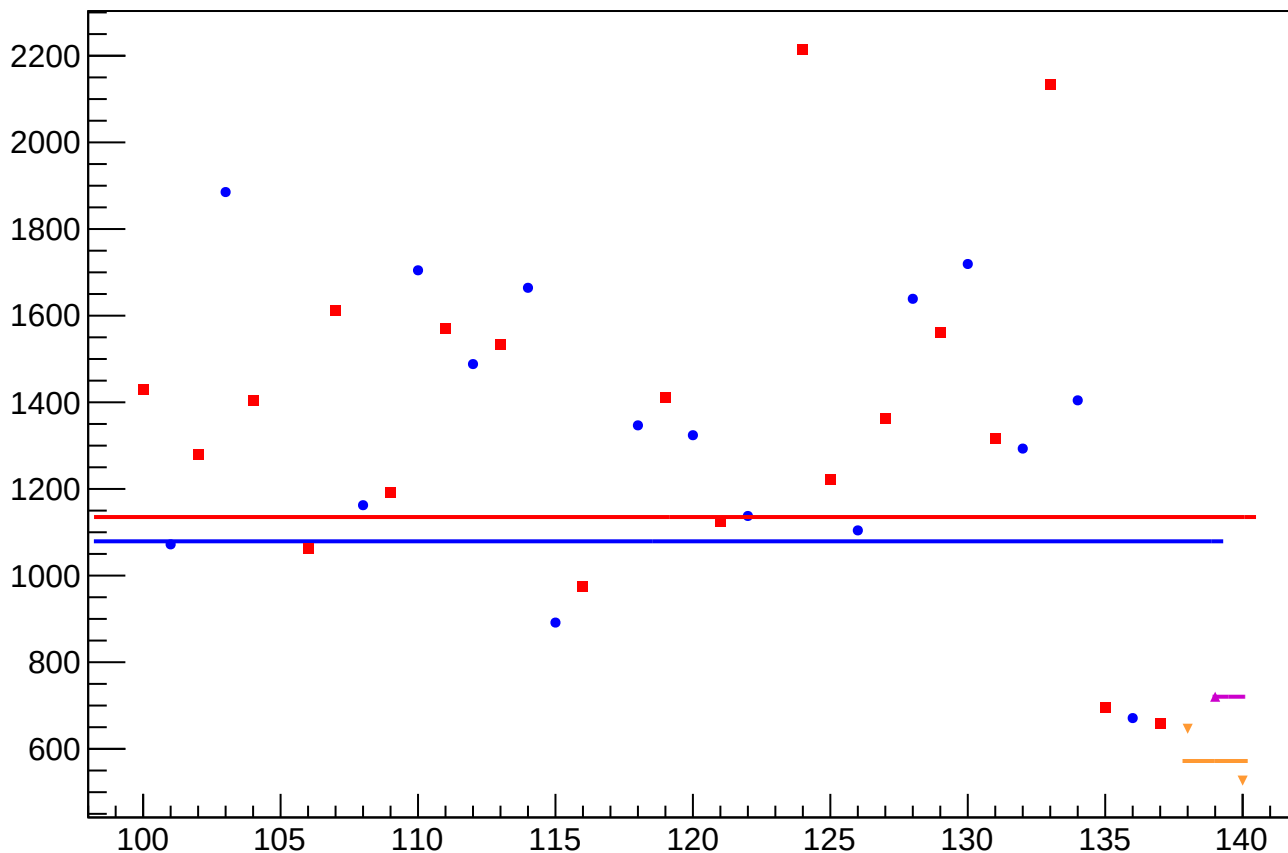
Left In: 1108.155+/-784.028 χ^2/NDF : 0.0/0

+ sign 637.488+/-310.705 χ^2/NDF : 23.1/17

All: 652.945+/-241.452 χ^2/NDF : 40.7/37

- sign 676.510+/-383.642 χ^2/NDF : 17.6/19

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF : 1482232.0/15

Left Out: 572.010+/-0.321 χ^2/NDF : 32656.8/1

Right Out: 1135.161+/-0.311 χ^2/NDF : 1293082.2/18

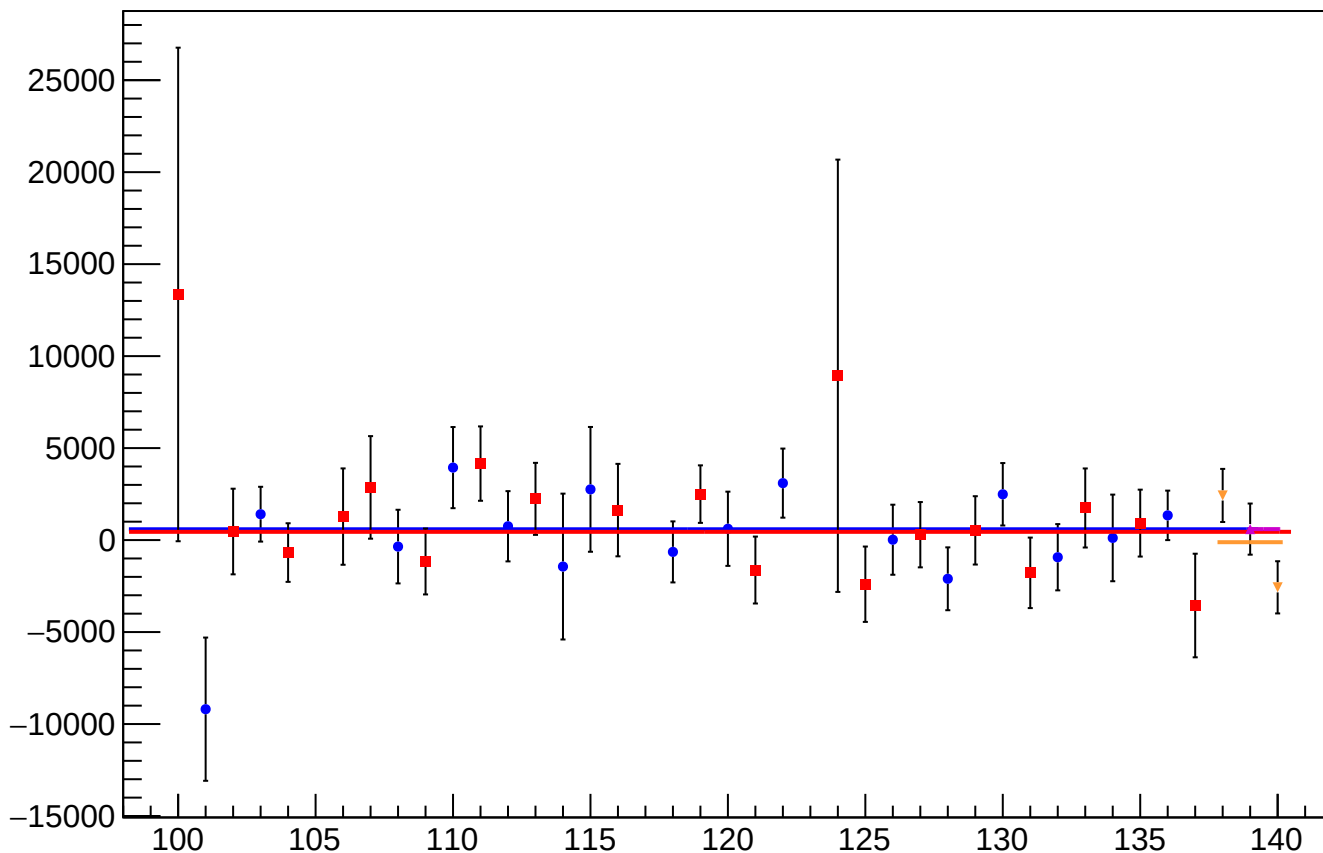
Left In: 720.387+/-0.554 χ^2/NDF : 0.0/0

+ sign 841.977+/-0.220 χ^2/NDF : 2841228.4/17

All: 918.770+/-0.171 χ^2/NDF : 4868470.2/37

- sign 1035.849+/-0.271 χ^2/NDF : 1718803.4/19

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

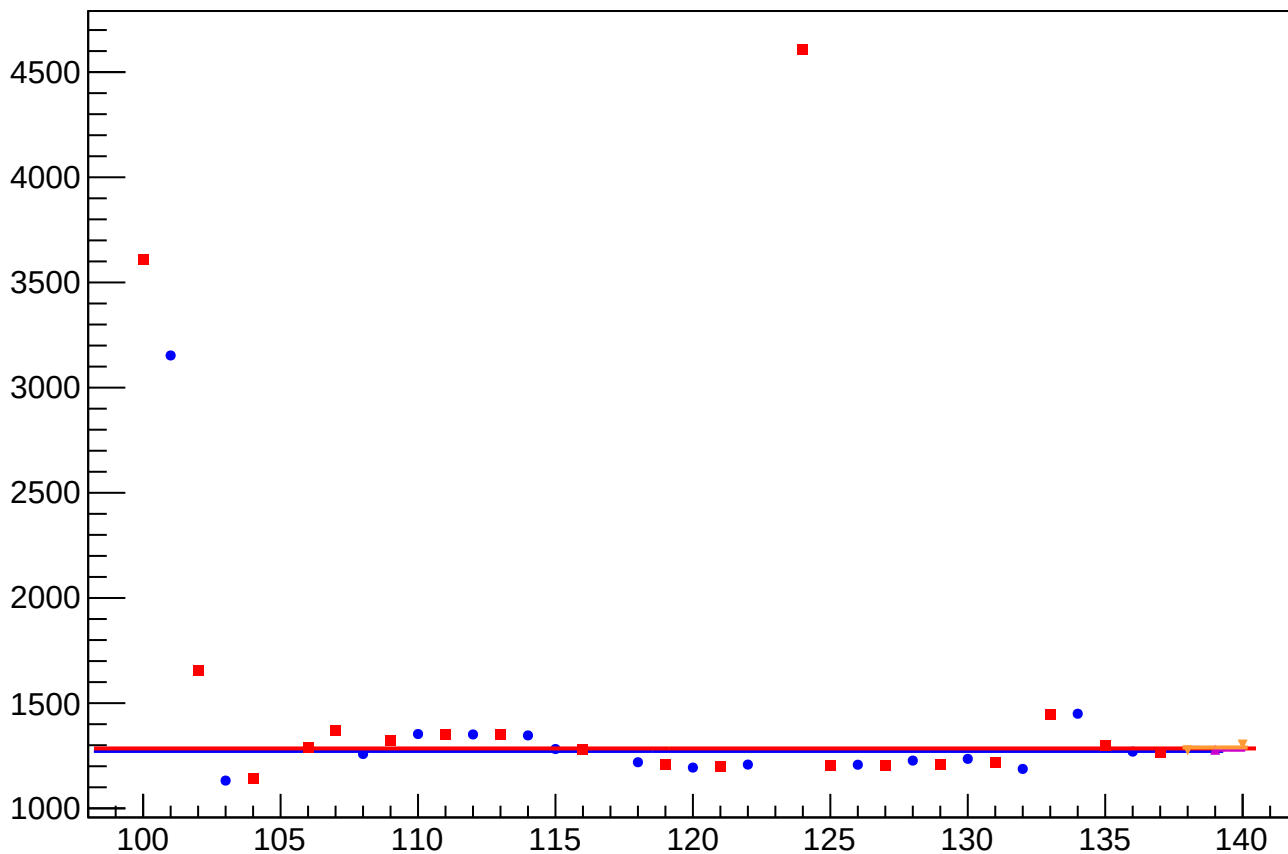
Left In: 596.369+/-1389.692 χ^2/NDF : 0.0/0

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 460.566+/-314.546 χ^2/NDF : 40.4/37

- sign 464.260+/-454.824 χ^2/NDF : 16.8/19

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1289.372 $\pm$ 0.716 χ^2 /NDF:368.5/1

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

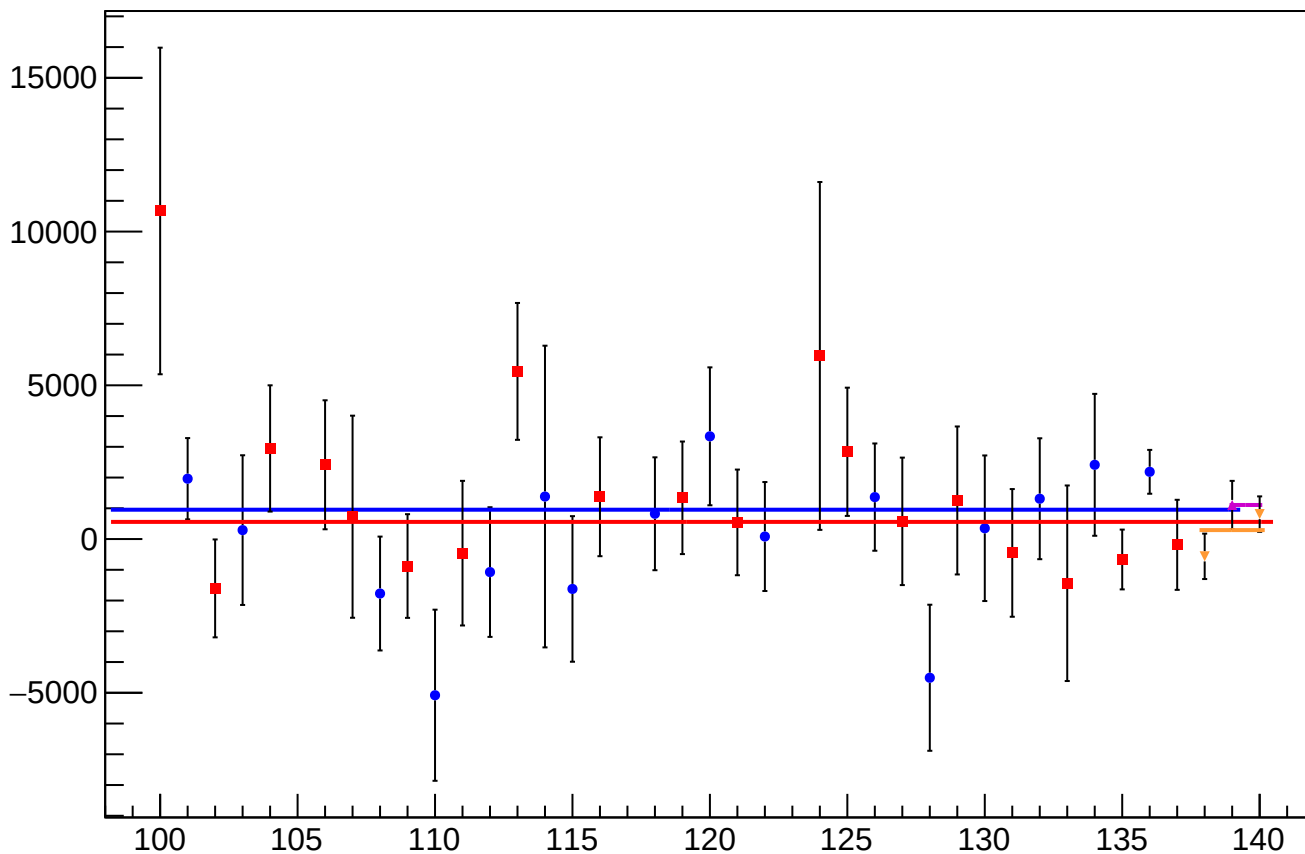
Left In: 1278.513 $\pm$ 0.983 χ^2 /NDF:0.0/0

+ sign 1275.872 $\pm$ 0.308 χ^2 /NDF: 520104.9/17

All: 1279.758 $\pm$ 0.222 χ^2 /NDF: 849207.7/37

- sign 1283.996 $\pm$ 0.322 χ^2 /NDF: 328769.8/19

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 954.146 ± 425.660 $\chi^2/\text{NDF}: 19.9/15$

Left Out: 291.304 ± 454.368 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 557.935 ± 440.758 $\chi^2/\text{NDF}: 18.4/18$

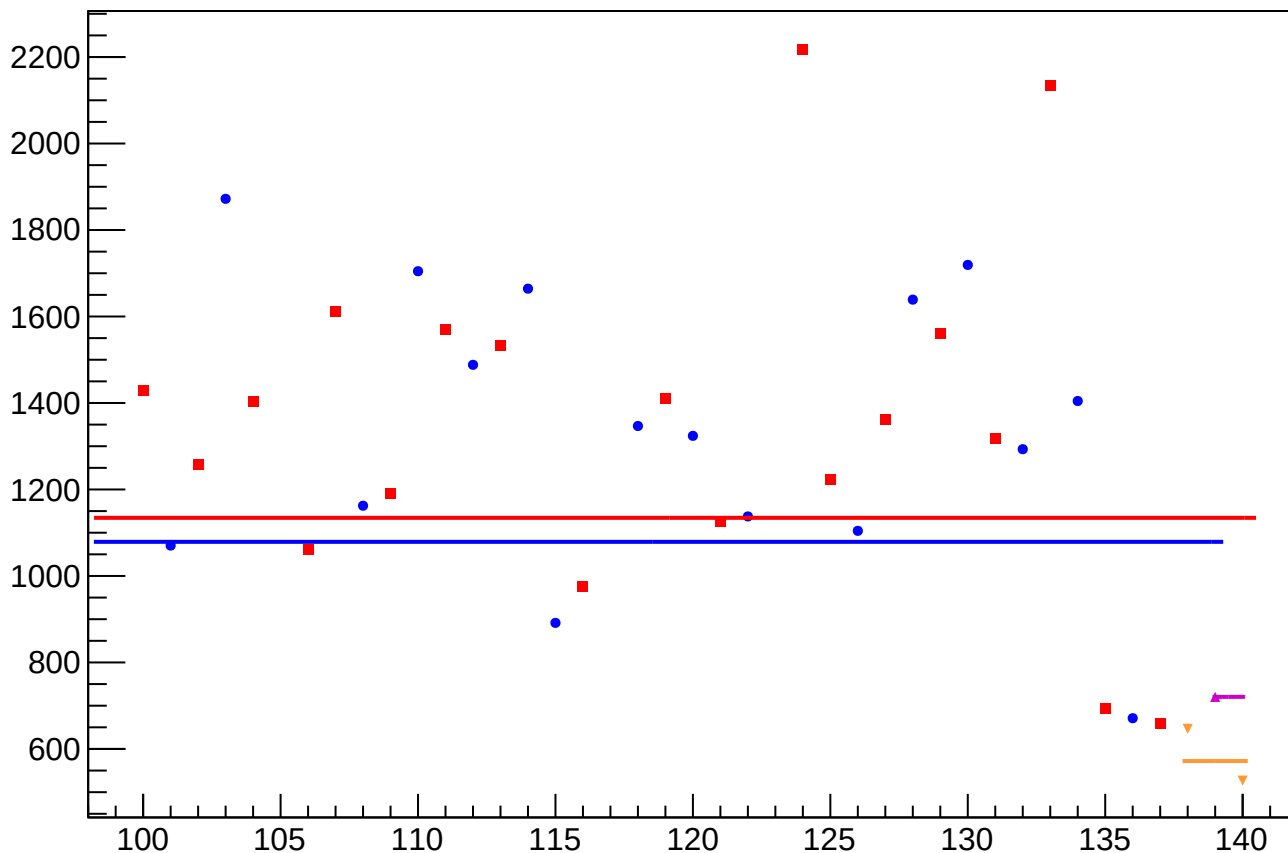
Left In: 1108.049 ± 784.021 $\chi^2/\text{NDF}: 0.0/0$

+ sign 644.325 ± 310.641 $\chi^2/\text{NDF}: 23.1/17$

All: 662.397 ± 241.562 $\chi^2/\text{NDF}: 41.9/37$

- sign 690.043 ± 384.207 $\chi^2/\text{NDF}: 18.8/19$

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932 $\pm$ 0.301 χ^2 /NDF: 1478719.9/15

Left Out: 572.029 $\pm$ 0.321 χ^2 /NDF:32638.6/1

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

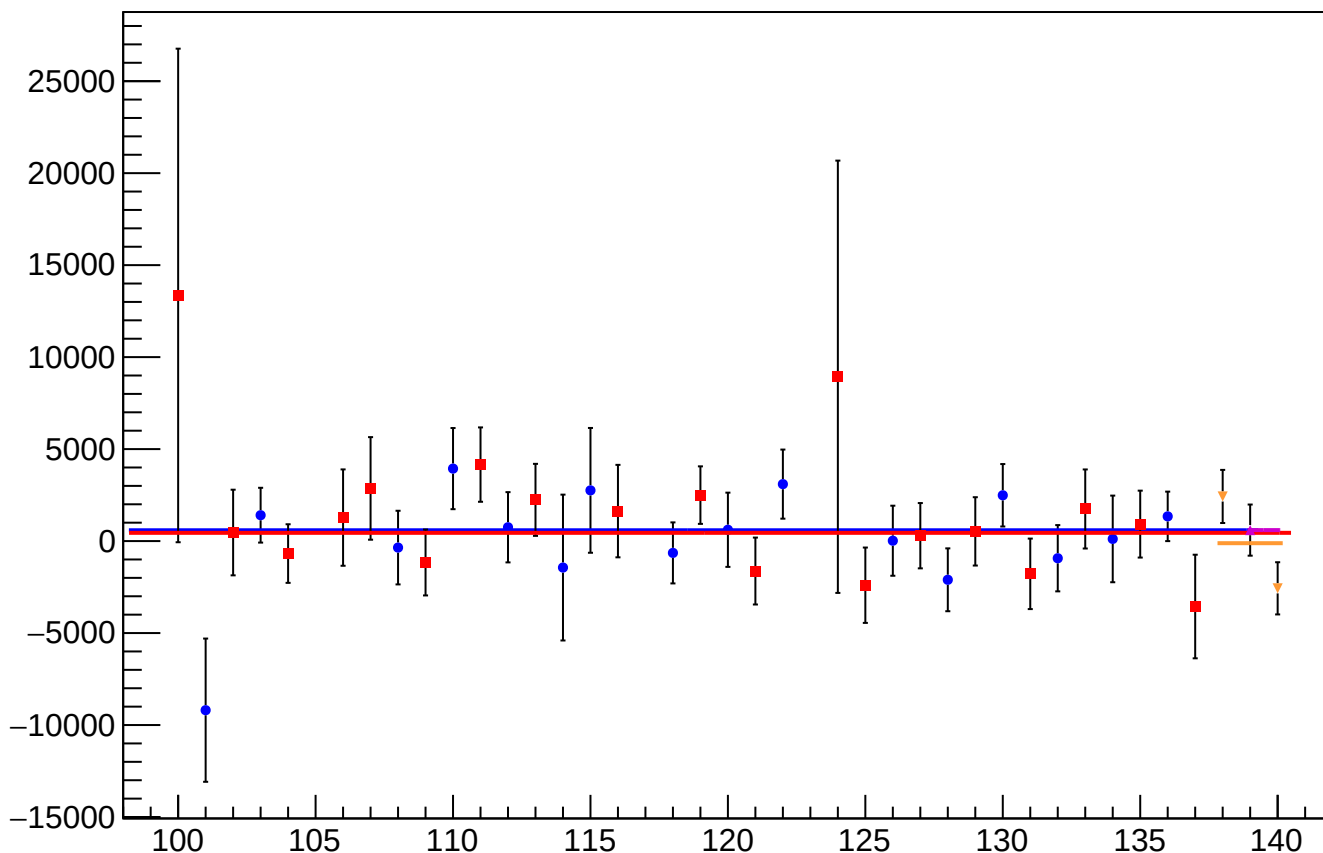
Left In: 720.381 $\pm$ 0.554 χ^2 /NDF:0.0/0

+ sign 841.999 $\pm$ 0.220 χ^2 /NDF: 2837084.5/17

All: 918.291 $\pm$ 0.171 χ^2 /NDF: 4854996.3/37

- sign 1034.996 $\pm$ 0.272 χ^2 /NDF: 1712741.3/19

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

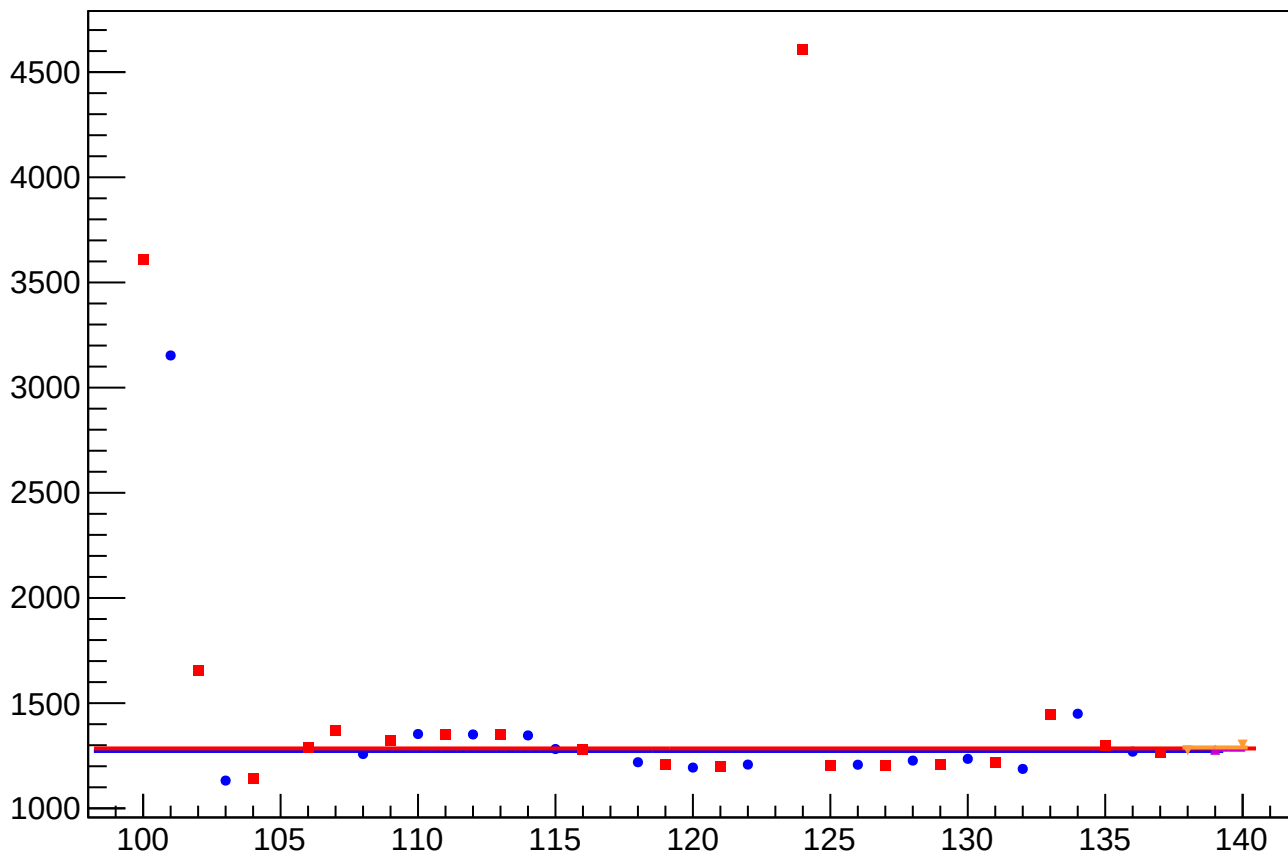
Left In: 596.369+/-1389.692 χ^2/NDF : 0.0/0

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 460.566+/-314.546 χ^2/NDF : 40.4/37

- sign 464.260+/-454.824 χ^2/NDF : 16.8/19

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: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

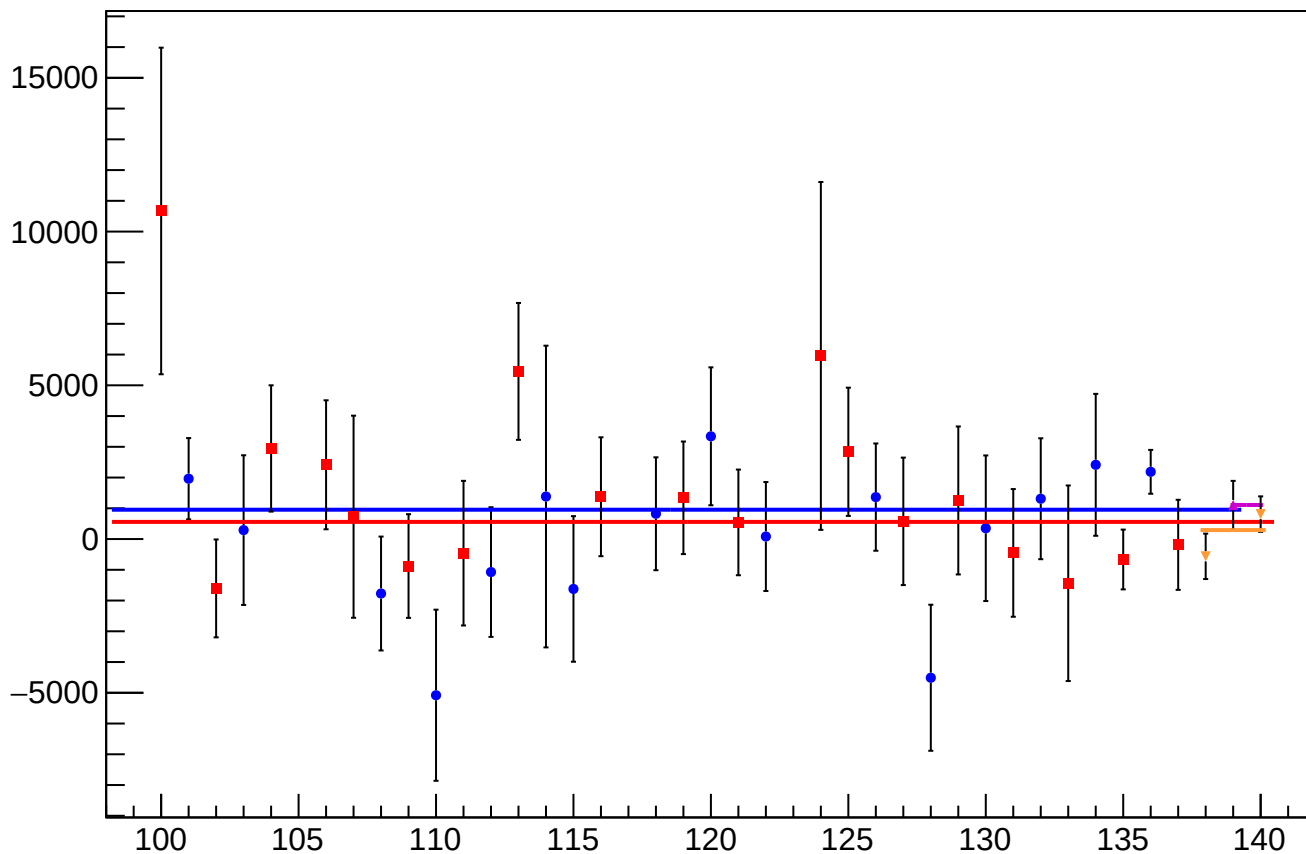
Left In: 1278.513+/-0.983 χ^2/NDF : 0.0/0

+ sign 1275.872+/-0.308 χ^2/NDF : 520104.9/17

All: 1279.758+/-0.222 χ^2/NDF : 849207.7/37

- sign 1283.996+/-0.322 χ^2/NDF : 328769.8/19

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 291.304 $\pm$ 454.368 χ^2 /NDF:2.1/1

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

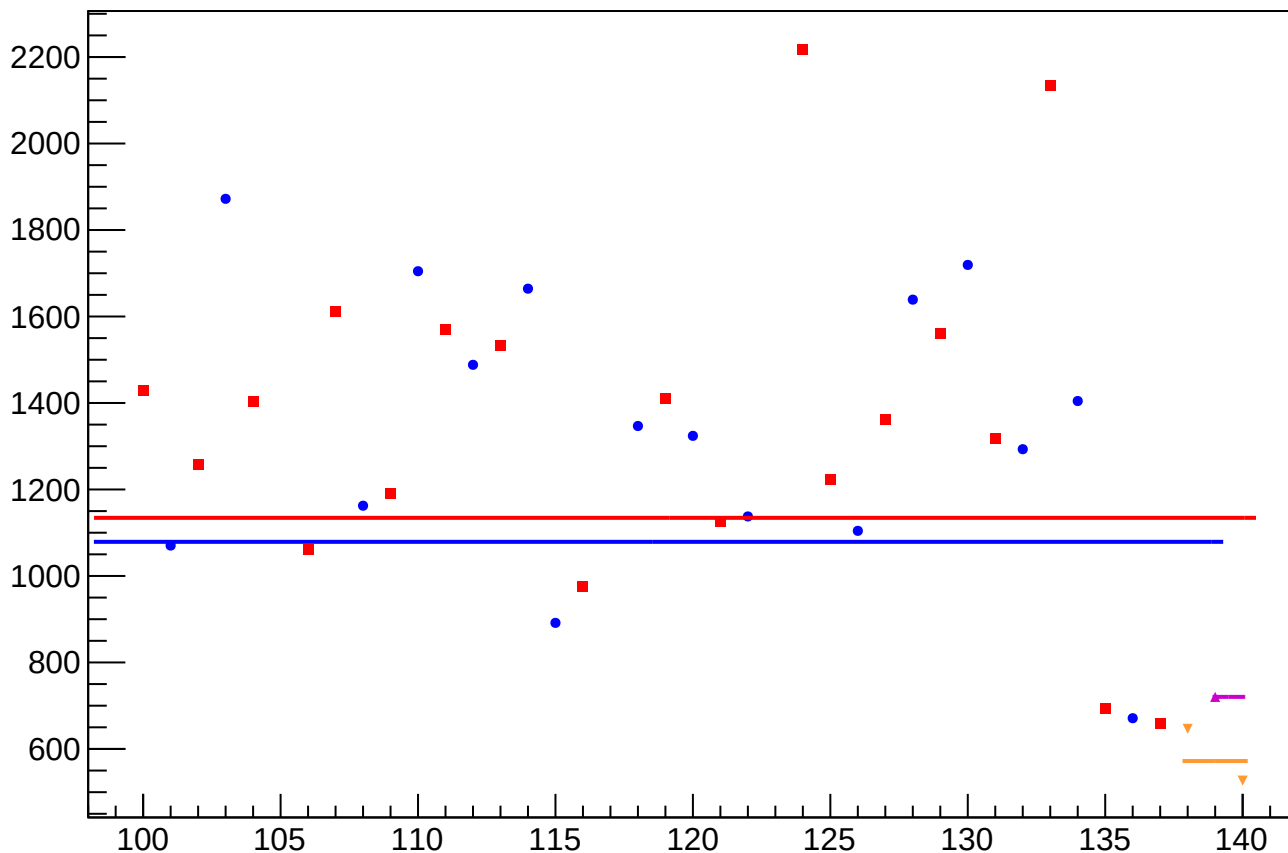
Left In: 1108.049 $\pm$ 784.021 χ^2 /NDF:0.0/0

+ sign 644.325 $\pm$ 310.641 χ^2 /NDF: 23.1/17

All: 662.397 $\pm$ 241.562 χ^2 /NDF: 41.9/37

- sign 690.043 $\pm$ 384.207 χ^2 /NDF: 18.8/19

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1078.932 $\pm$ 0.301 χ^2 /NDF: 1478719.9/15

Left Out: 572.029 $\pm$ 0.321 χ^2 /NDF: 32638.6/1

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

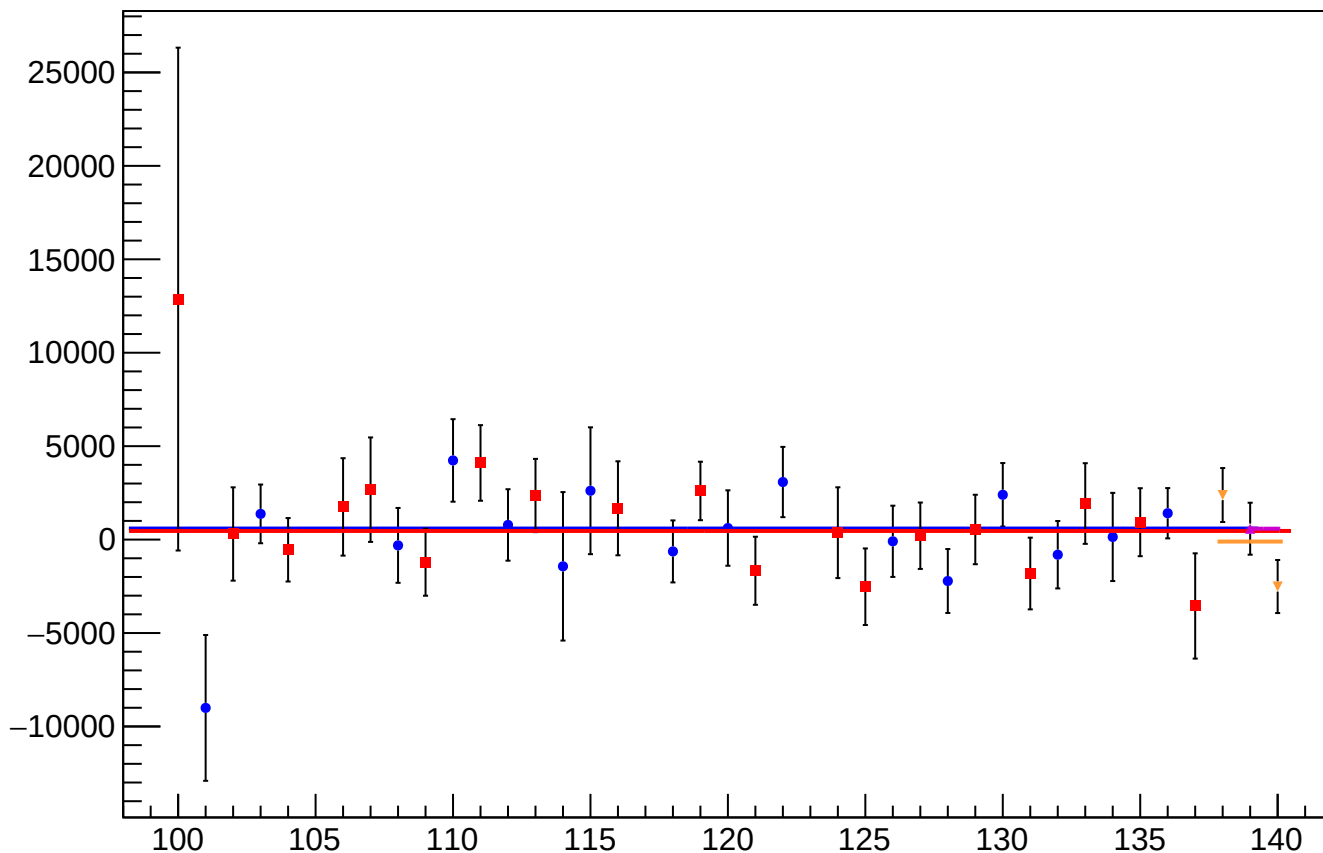
Left In: 720.381 $\pm$ 0.554 χ^2 /NDF: 0.0/0

+ sign 841.999 $\pm$ 0.220 χ^2 /NDF: 2837084.5/17

All: 918.291 $\pm$ 0.171 χ^2 /NDF: 4854996.3/37

- sign 1034.996 $\pm$ 0.272 χ^2 /NDF: 1712741.3/19

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322 $\pm$ 485.483 χ^2 /NDF: 17.1/15

Left Out: -105.070 $\pm$ 1012.604 χ^2 /NDF:5.8/1

Right Out: 462.606 $\pm$ 476.795 χ^2 /NDF: 16.7/18

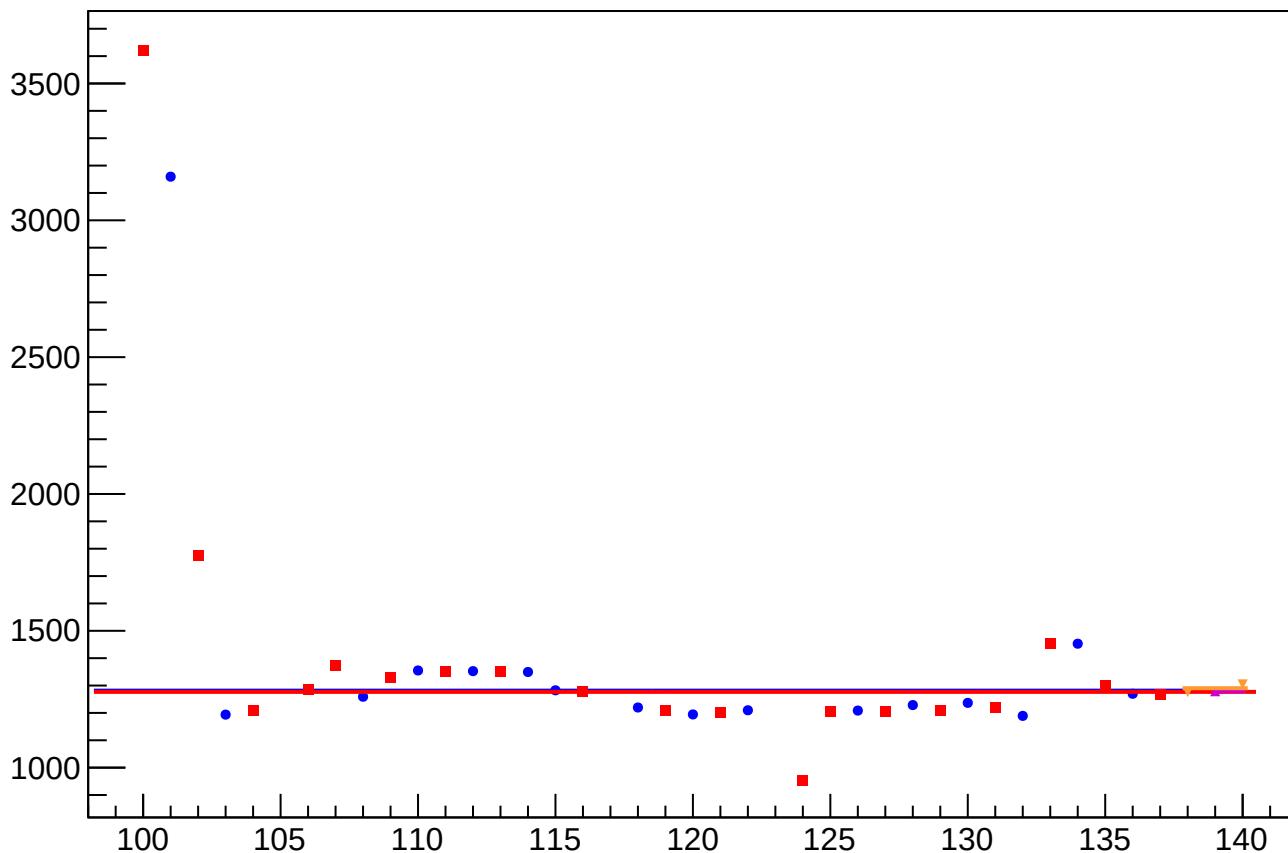
Left In: 582.308 $\pm$ 1390.514 χ^2 /NDF:0.0/0

+ sign 460.352 $\pm$ 437.769 χ^2 /NDF: 23.3/17

All: 467.554 $\pm$ 314.129 χ^2 /NDF: 40.0/37

- sign 475.199 $\pm$ 451.018 χ^2 /NDF: 16.7/19

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF : 387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

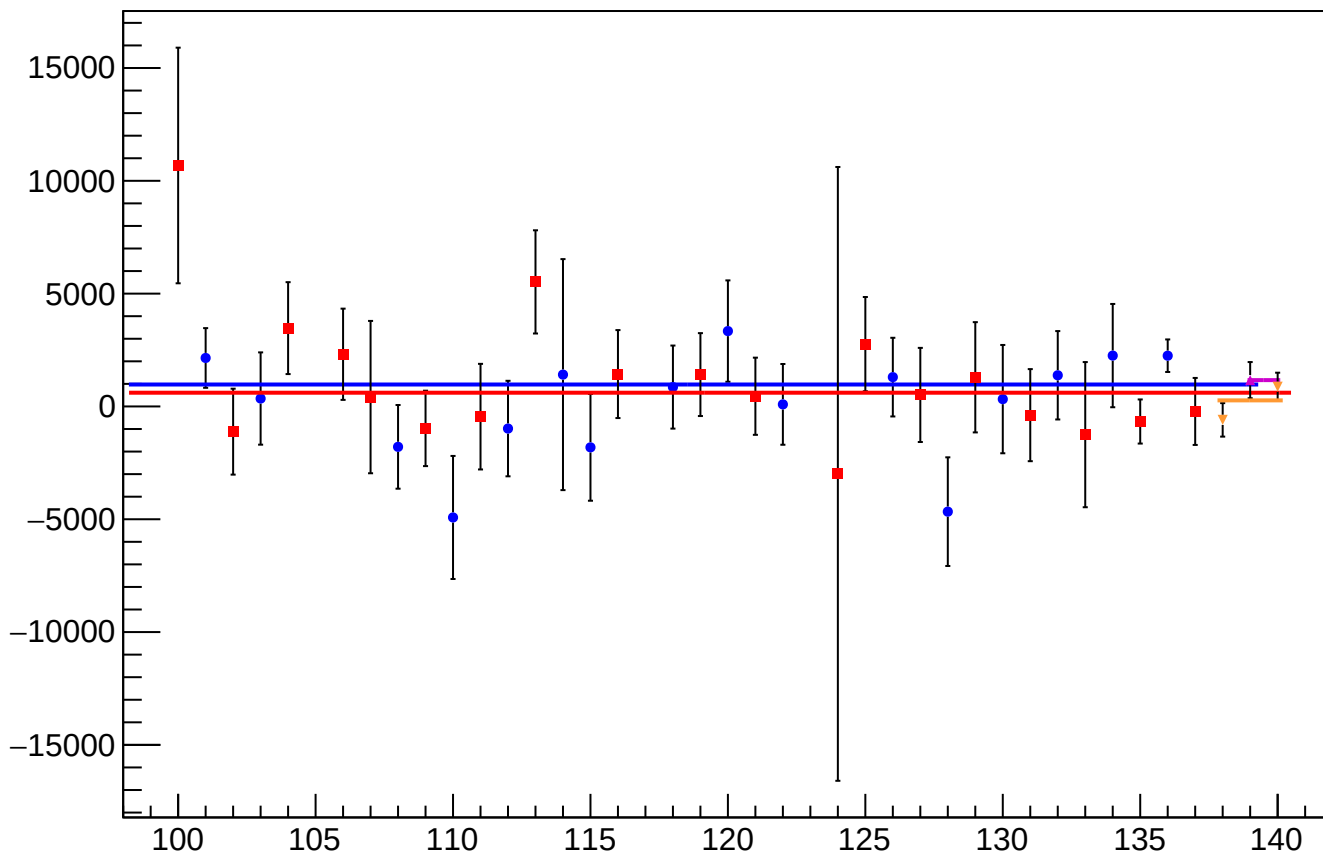
Left In: 1279.253+/-0.983 χ^2/NDF : 0.0/0

+ sign 1283.026+/-0.310 χ^2/NDF : 507590.2/17

All: 1280.157+/-0.222 χ^2/NDF : 728286.2/37

- sign 1277.112+/-0.319 χ^2/NDF : 220518.9/19

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF : 20.4/15

Left Out: 268.805+/-476.626 χ^2/NDF : 2.3/1

Right Out: 608.431+/-447.734 χ^2/NDF : 17.1/18

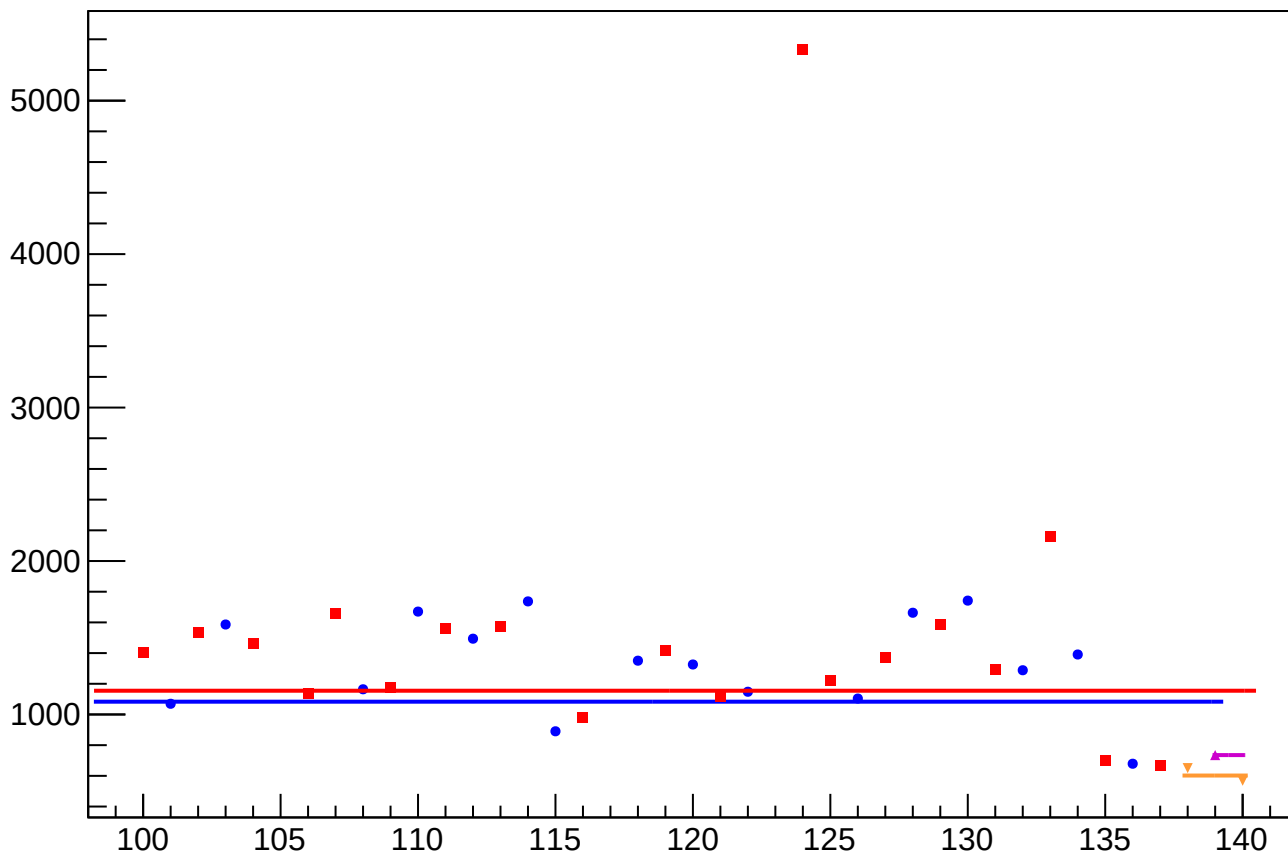
Left In: 1166.597+/-800.680 χ^2/NDF : 0.0/0

+ sign 660.517+/-317.299 χ^2/NDF : 24.0/17

All: 692.650+/-246.326 χ^2/NDF : 41.5/37

- sign 741.391+/-390.785 χ^2/NDF : 17.5/19

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335 $\pm$ 0.301 χ^2 /NDF: 1360153.3/15

Left Out: 602.065 $\pm$ 0.337 χ^2 /NDF:14404.4/1

Right Out: 1154.724 $\pm$ 0.317 χ^2 /NDF: 1488304.5/18

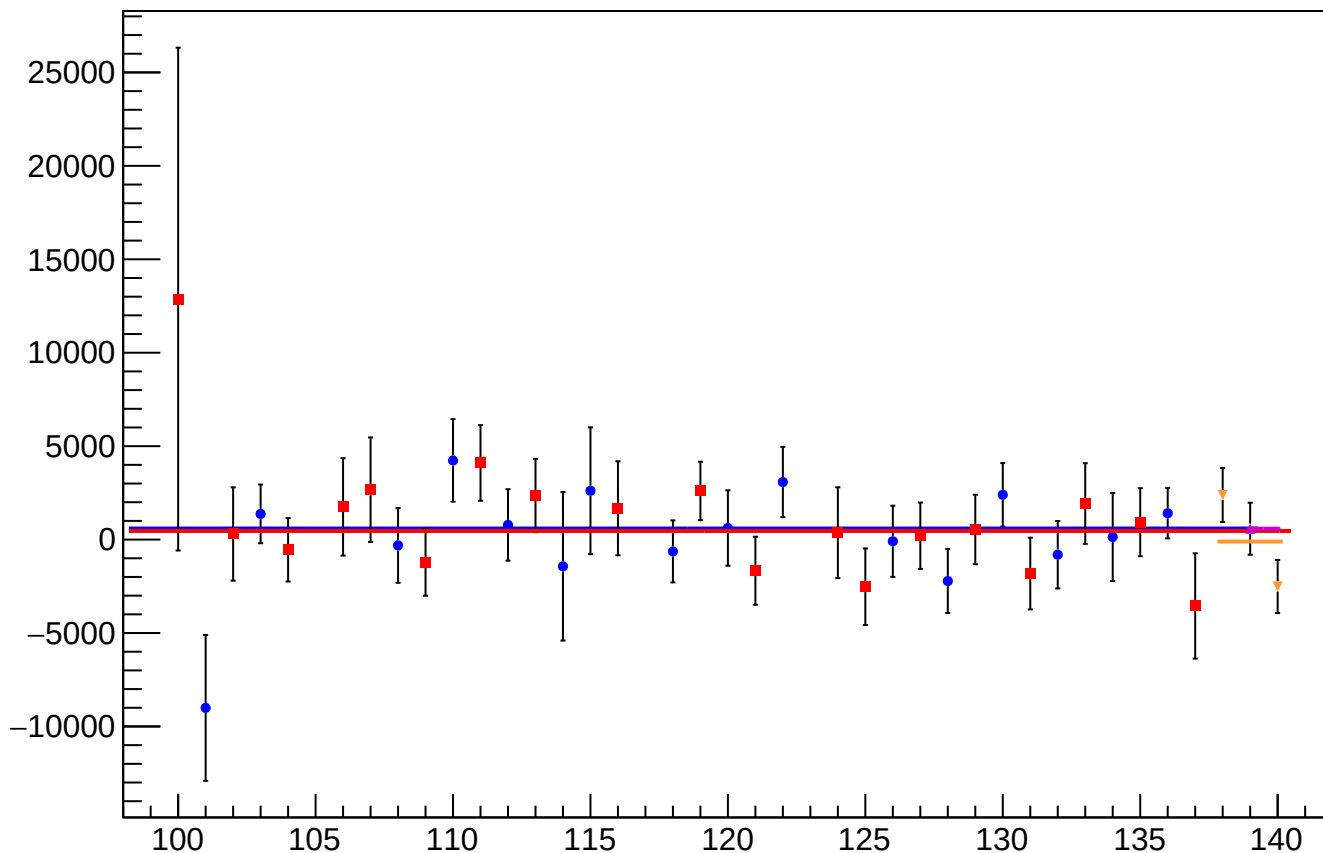
Left In: 735.334 $\pm$ 0.566 χ^2 /NDF:0.0/0

+ sign 870.044 $\pm$ 0.224 χ^2 /NDF: 2510000.7/17

All: 943.461 $\pm$ 0.174 χ^2 /NDF: 4685798.6/37

- sign 1054.822 $\pm$ 0.276 χ^2 /NDF: 1906311.6/19

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF : 17.1/15

Left Out: -105.078+/-1012.604 χ^2/NDF : 5.8/1

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

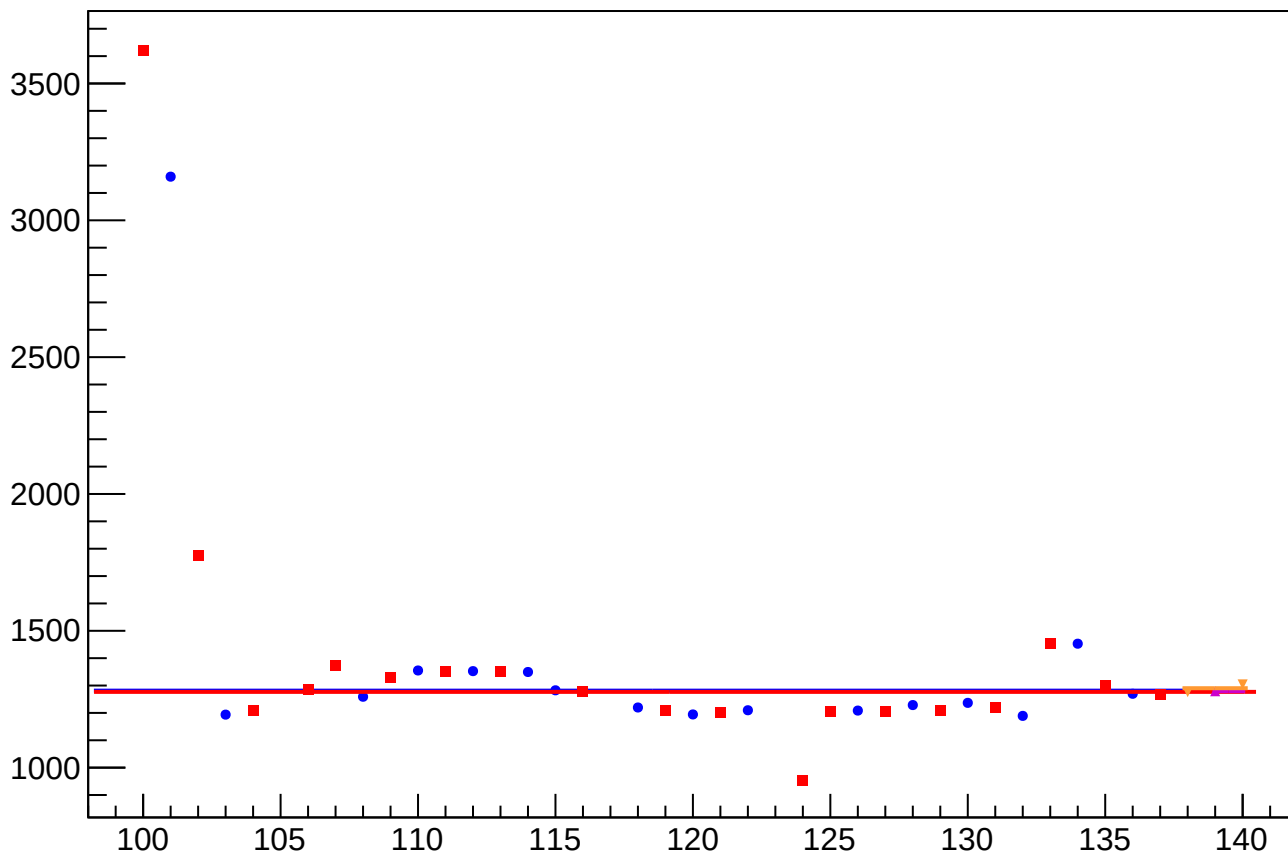
Left In: 582.327+/-1390.514 χ^2/NDF : 0.0/0

+ sign 460.352+/-437.769 χ^2/NDF : 23.3/17

All: 467.555+/-314.129 χ^2/NDF : 40.0/37

- sign 475.200+/-451.018 χ^2/NDF : 16.7/19

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369 $\pm$ 0.343 χ^2 /NDF: 507078.6/15

Left Out: 1290.238 $\pm$ 0.716 χ^2 /NDF: 387.0/1

Right Out: 1276.860 $\pm$ 0.337 χ^2 /NDF: 220513.5/18

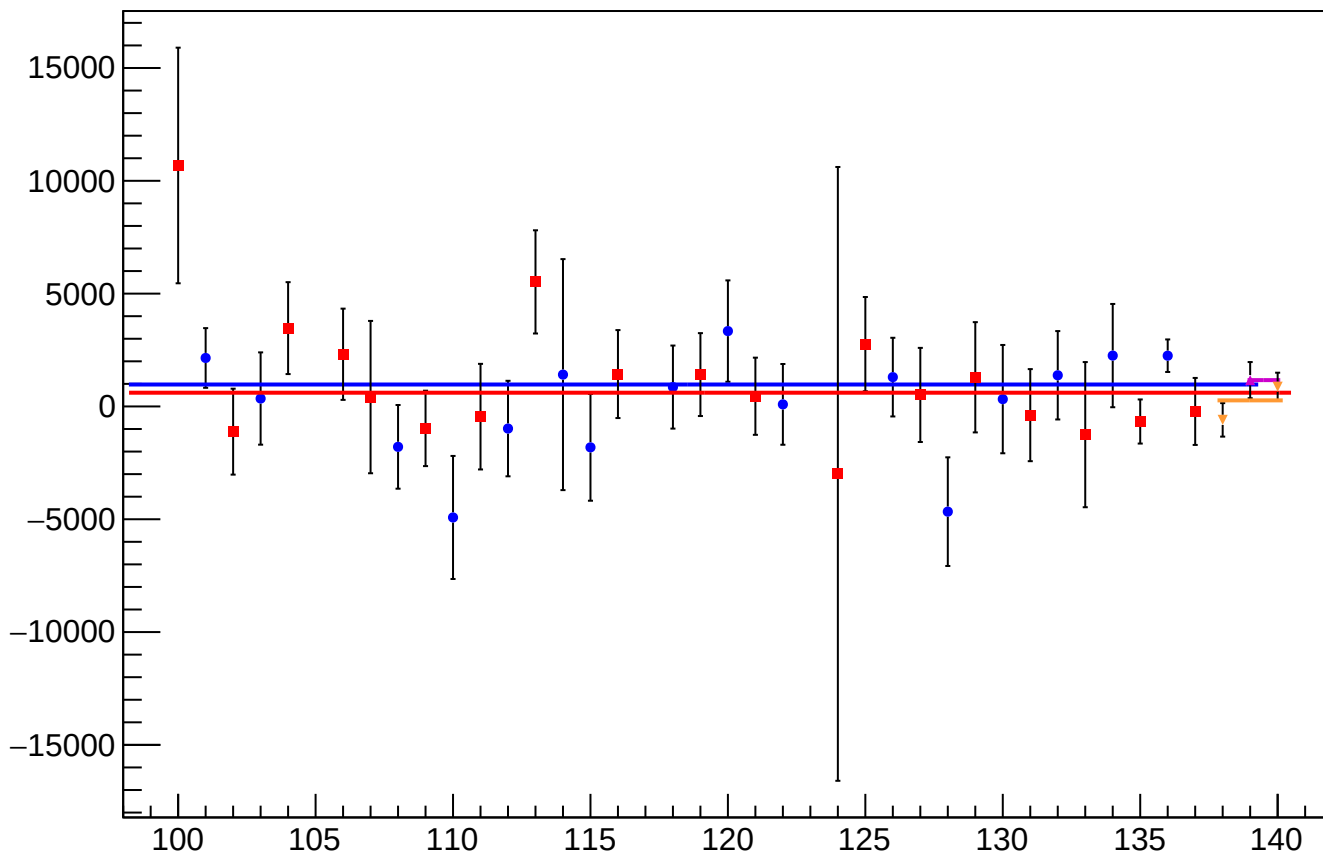
Left In: 1279.254 $\pm$ 0.983 χ^2 /NDF: 0.0/0

+ sign 1283.026 $\pm$ 0.310 χ^2 /NDF: 507590.3/17

All: 1280.157 $\pm$ 0.222 χ^2 /NDF: 728286.2/37

- sign 1277.112 $\pm$ 0.319 χ^2 /NDF: 220518.8/19

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 972.281+/-425.220 χ^2/NDF : 20.4/15

Left Out: 268.810+/-476.631 χ^2/NDF : 2.3/1

Right Out: 608.441+/-447.736 χ^2/NDF : 17.1/18

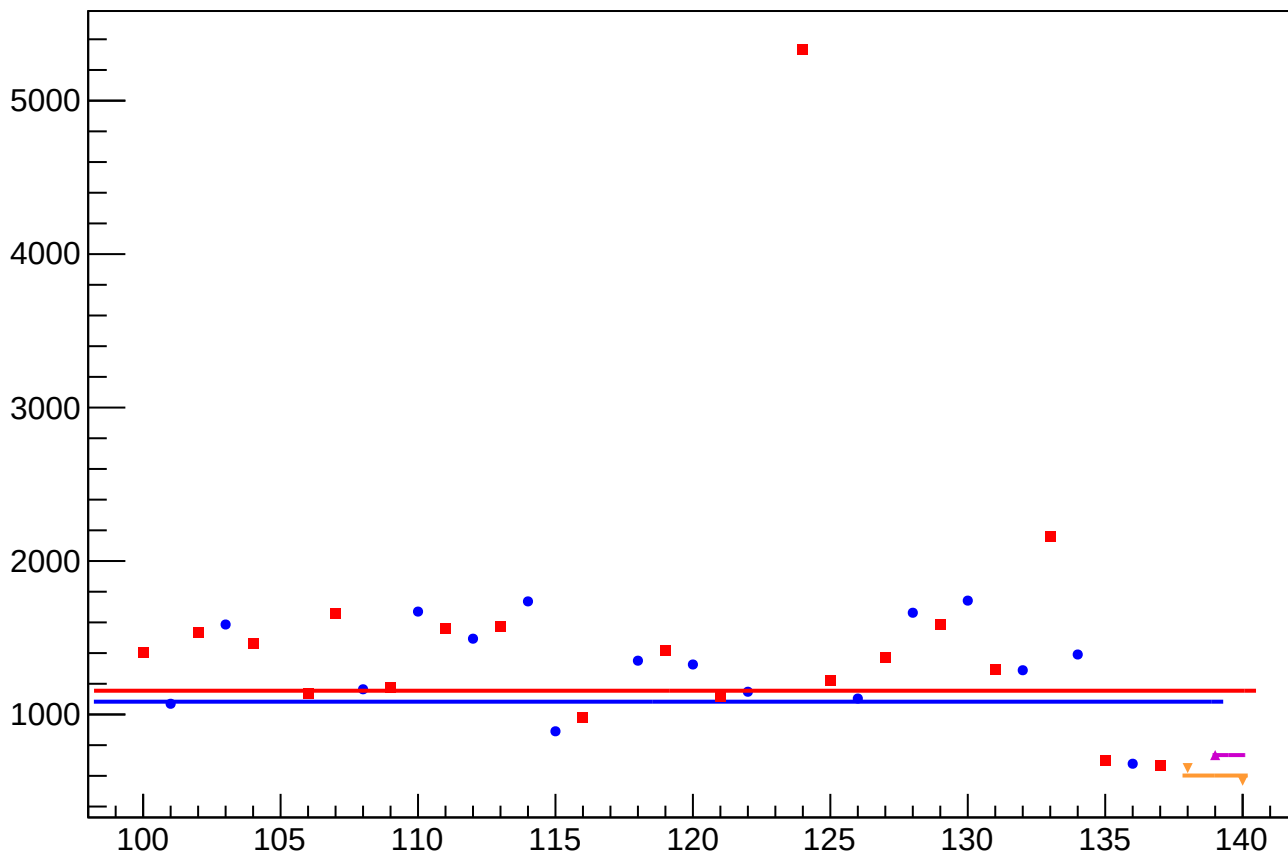
Left In: 1166.613+/-800.693 χ^2/NDF : 0.0/0

+ sign 660.518+/-317.301 χ^2/NDF : 24.0/17

All: 692.654+/-246.328 χ^2/NDF : 41.5/37

- sign 741.400+/-390.788 χ^2/NDF : 17.5/19

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1083.341+/-0.301 χ^2/NDF : 1360095.7/15

Left Out: 602.071+/-0.337 χ^2/NDF : 14407.5/1

Right Out: 1154.732+/-0.317 χ^2/NDF : 1488251.4/18

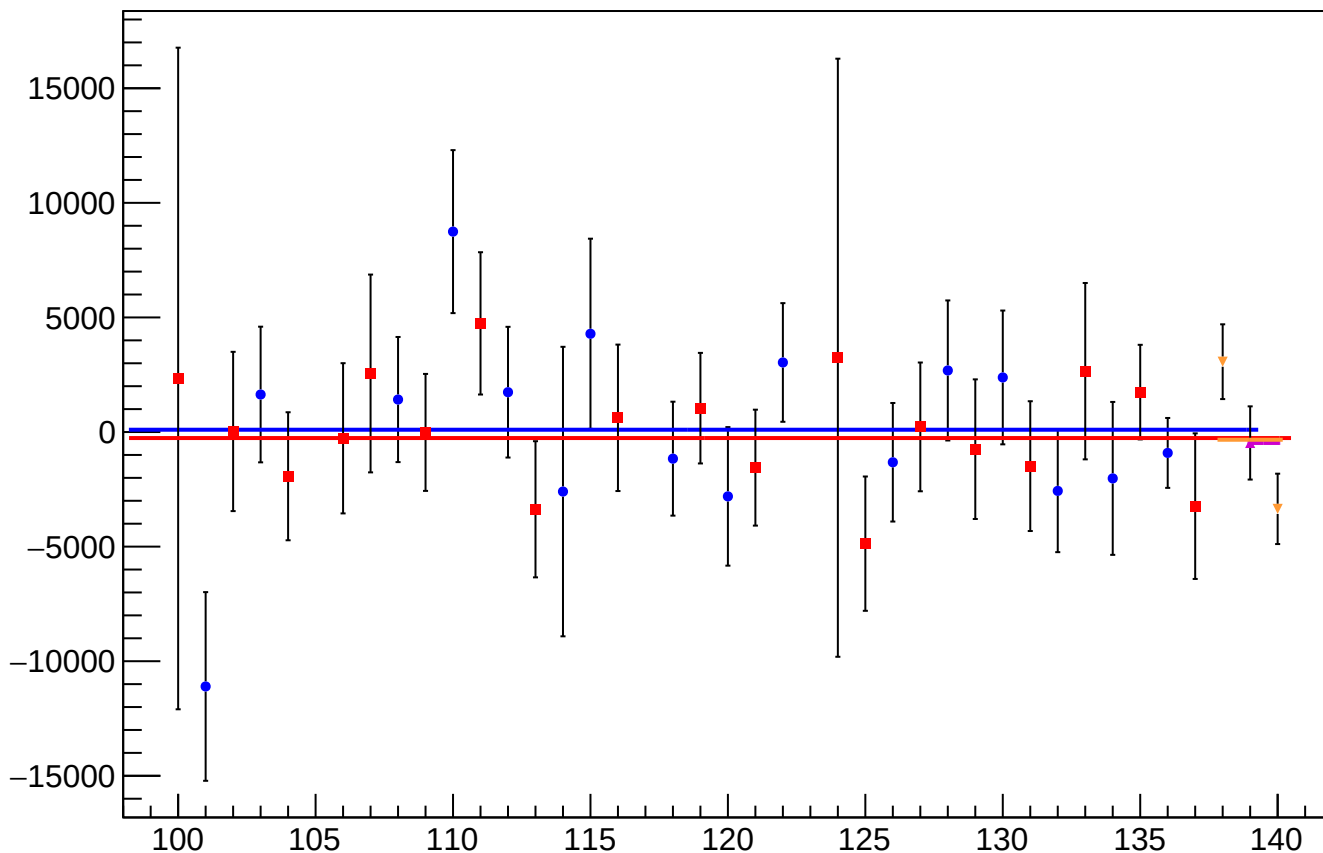
Left In: 735.346+/-0.566 χ^2/NDF : 0.0/0

+ sign 870.052+/-0.224 χ^2/NDF : 2509930.0/17

All: 943.470+/-0.174 χ^2/NDF : 4685657.0/37

- sign 1054.832+/-0.276 χ^2/NDF : 1906237.8/19

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451 $\pm$ 698.983 χ^2 /NDF: 21.3/15

Left Out: -336.732 $\pm$ 1118.070 χ^2 /NDF:8.2/1

Right Out: -262.731 $\pm$ 699.724 χ^2 /NDF: 10.3/18

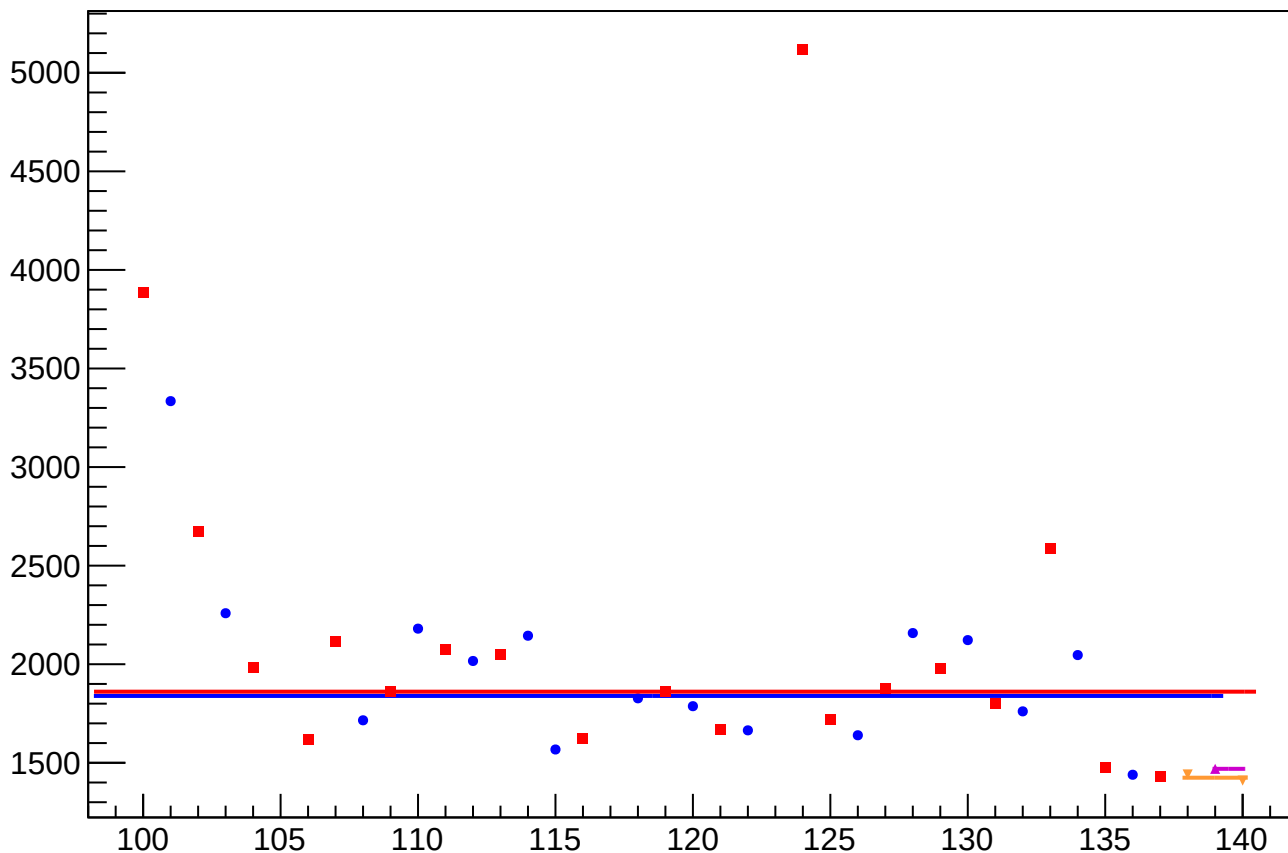
Left In: -476.945 $\pm$ 1597.265 χ^2 /NDF:0.0/0

+ sign -22.401 $\pm$ 592.691 χ^2 /NDF: 29.6/17

All: -149.083 $\pm$ 435.149 χ^2 /NDF: 40.1/37

- sign -297.222 $\pm$ 640.922 χ^2 /NDF: 10.3/19

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF :385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

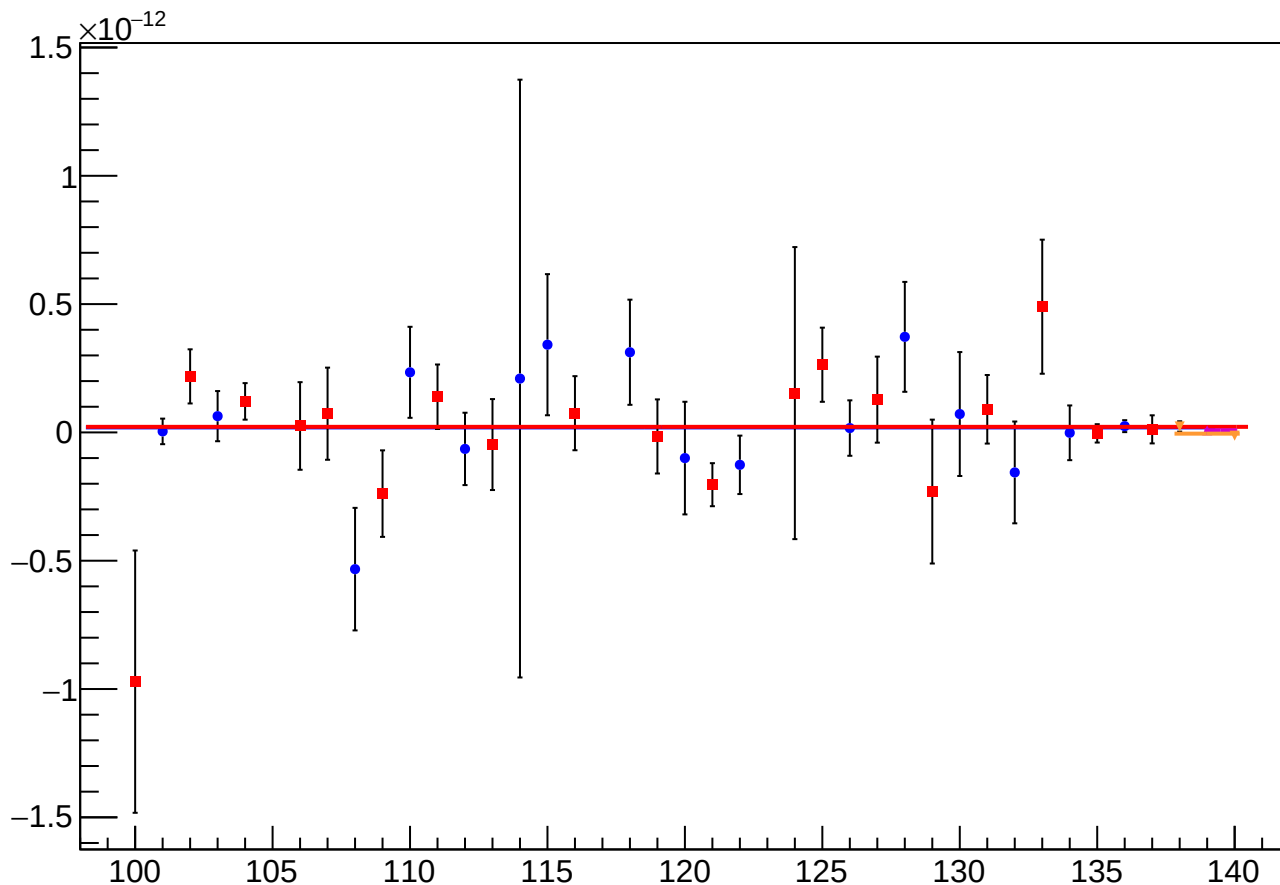
Left In: 1469.404+/-1.129 χ^2/NDF :0.0/0

+ sign 1722.567+/-0.419 χ^2/NDF : 754979.0/17

All: 1757.221+/-0.308 χ^2/NDF : 1392656.7/37

- sign 1797.743+/-0.453 χ^2/NDF : 622845.5/19

asym_at1_dd_at2_dd_avg_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 : 2.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 28.2/18

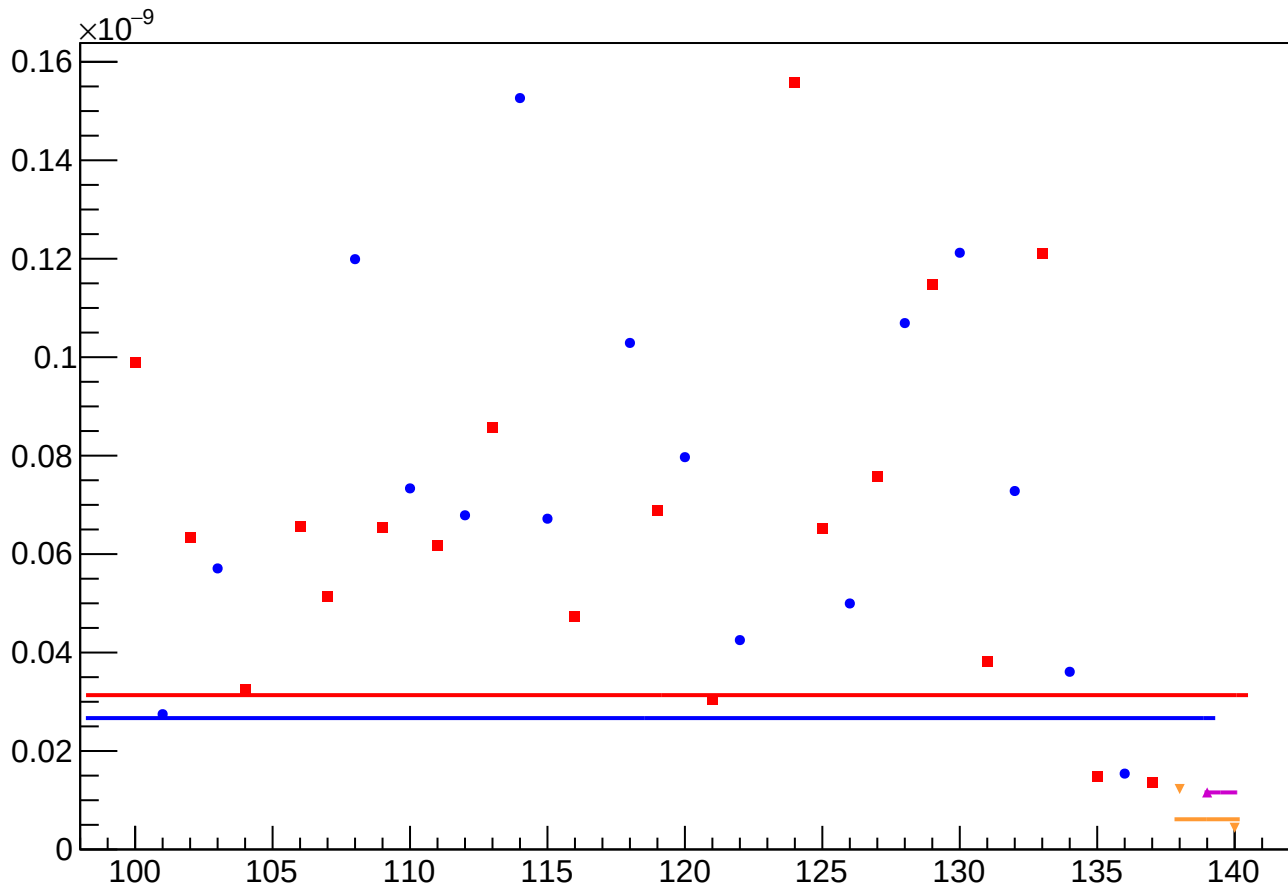
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 20.3/17

All: 0.000+/-0.000 χ^2/NDF : 49.4/37

- sign 0.000+/-0.000 χ^2/NDF : 28.4/19

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 237810.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2275167.3/18

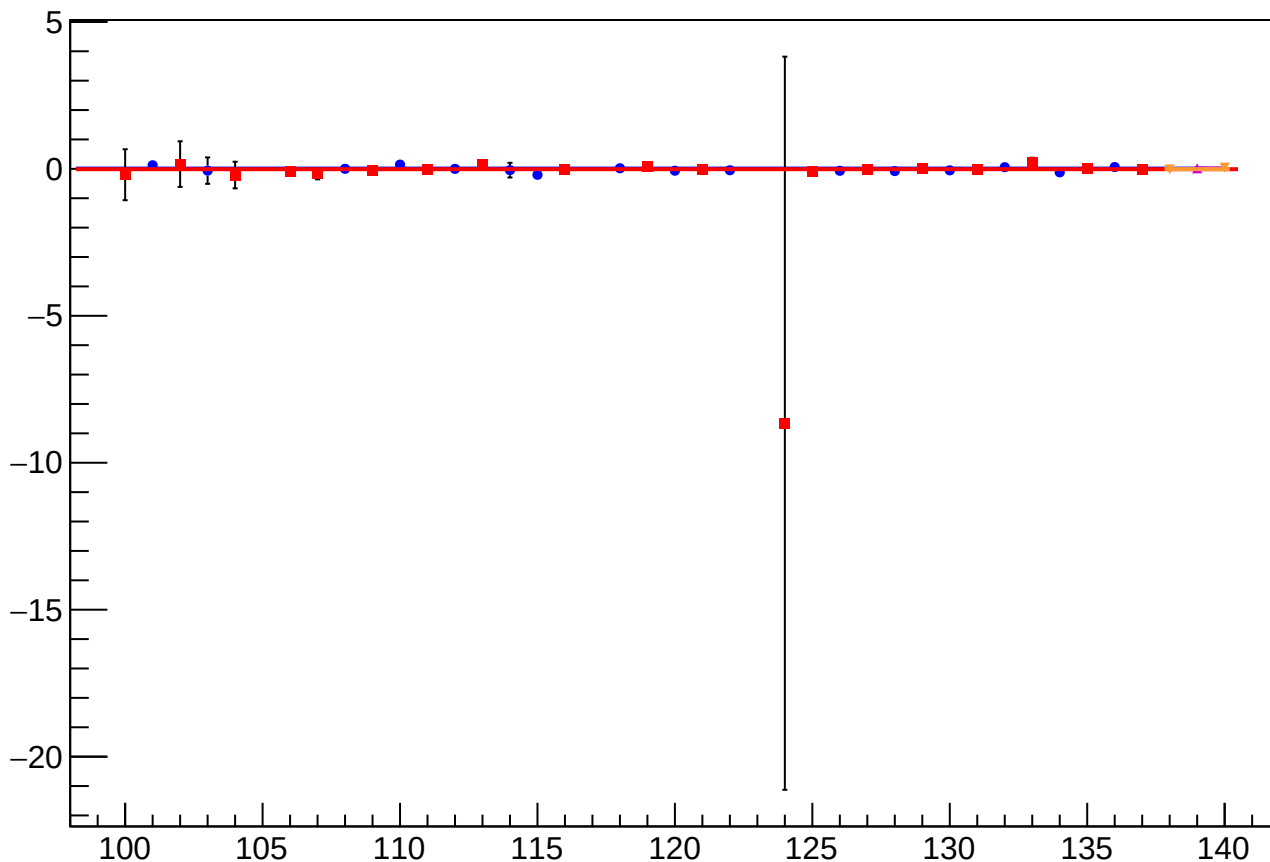
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4726652.2/17

All: 0.000+/-0.000 χ^2/NDF : 8574144.3/37

- sign 0.000+/-0.000 χ^2/NDF : 3196773.8/19

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.009 $\pm$ 0.025 χ^2 /NDF:1.0/1

Right Out: -0.012 $\pm$ 0.017 χ^2 /NDF: 12.6/18

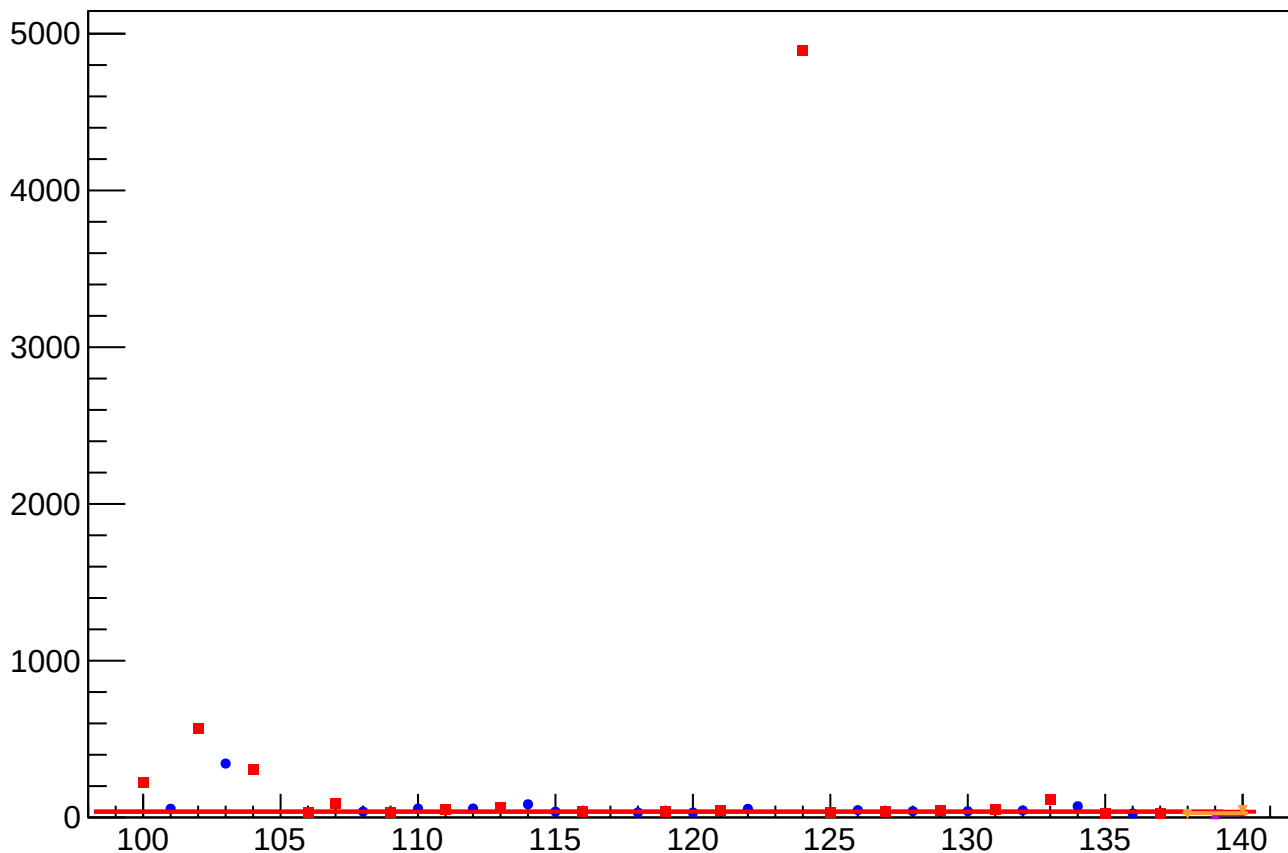
Left In: 0.018 $\pm$ 0.027 χ^2 /NDF:0.0/0

+ sign 0.003 $\pm$ 0.014 χ^2 /NDF: 20.6/17

All: -0.000 $\pm$ 0.010 χ^2 /NDF: 34.3/37

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 13.5/19

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 27.541 $\pm$ 0.018 χ^2 /NDF: 337597.4/1

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

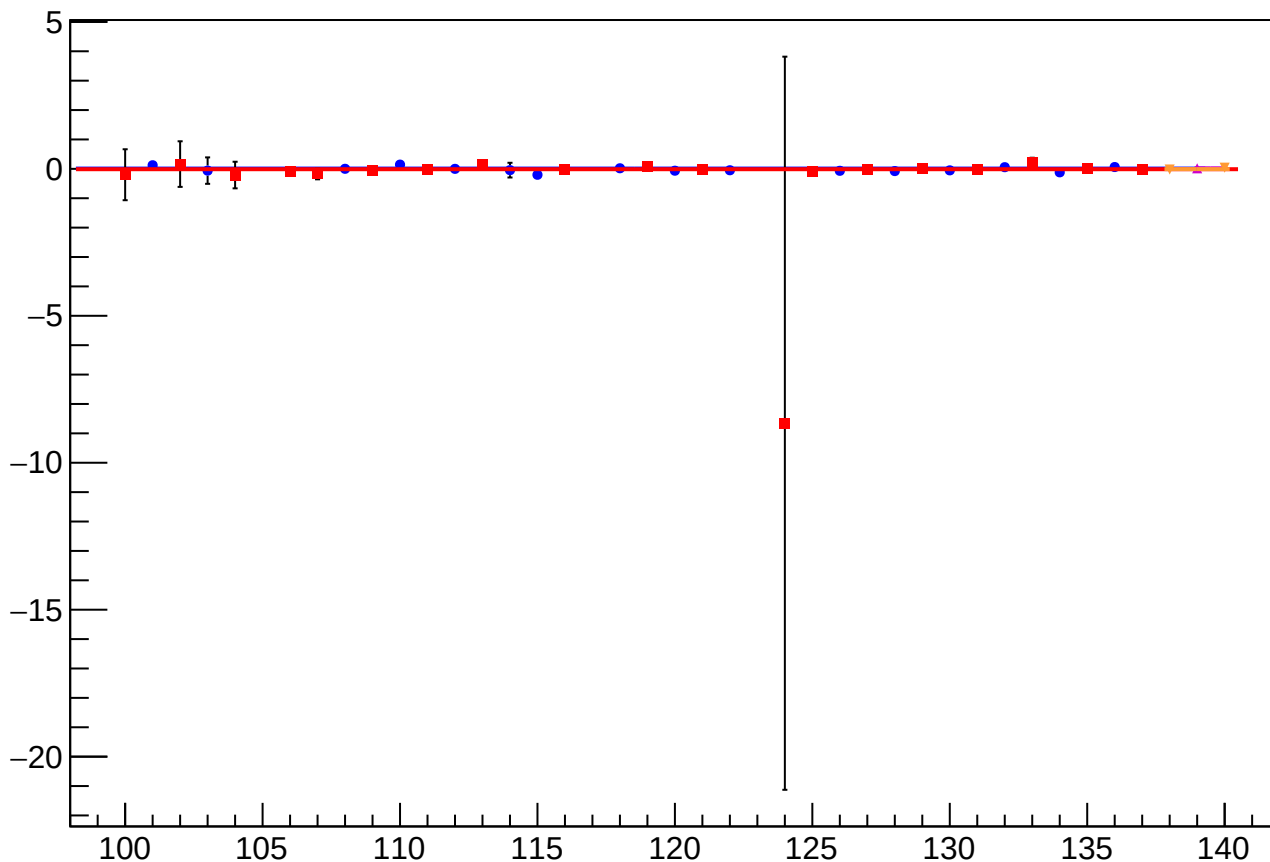
Left In: 20.394 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 34.622 $\pm$ 0.010 χ^2 /NDF: 2542079.3/17

All: 33.529 $\pm$ 0.007 χ^2 /NDF: 6285847.9/37

- sign 32.332 $\pm$ 0.010 χ^2 /NDF: 3716555.2/19

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.009 $\pm$ 0.025 χ^2 /NDF: 1.0/1

Right Out: -0.012 $\pm$ 0.017 χ^2 /NDF: 12.6/18

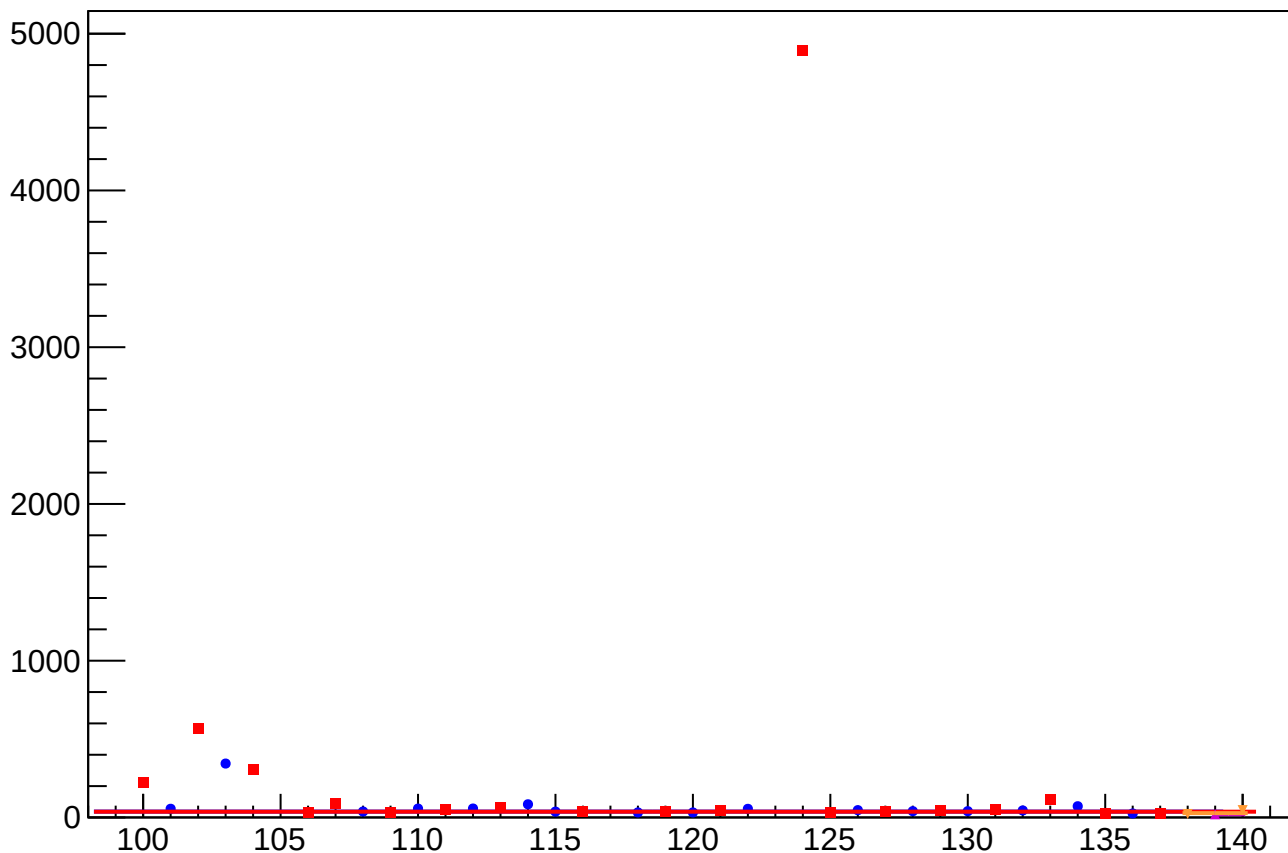
Left In: 0.018 $\pm$ 0.027 χ^2 /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.014 χ^2 /NDF: 20.6/17

All: -0.000 $\pm$ 0.010 χ^2 /NDF: 34.3/37

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 13.5/19

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 27.541 $\pm$ 0.018 χ^2 /NDF: 337597.4/1

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

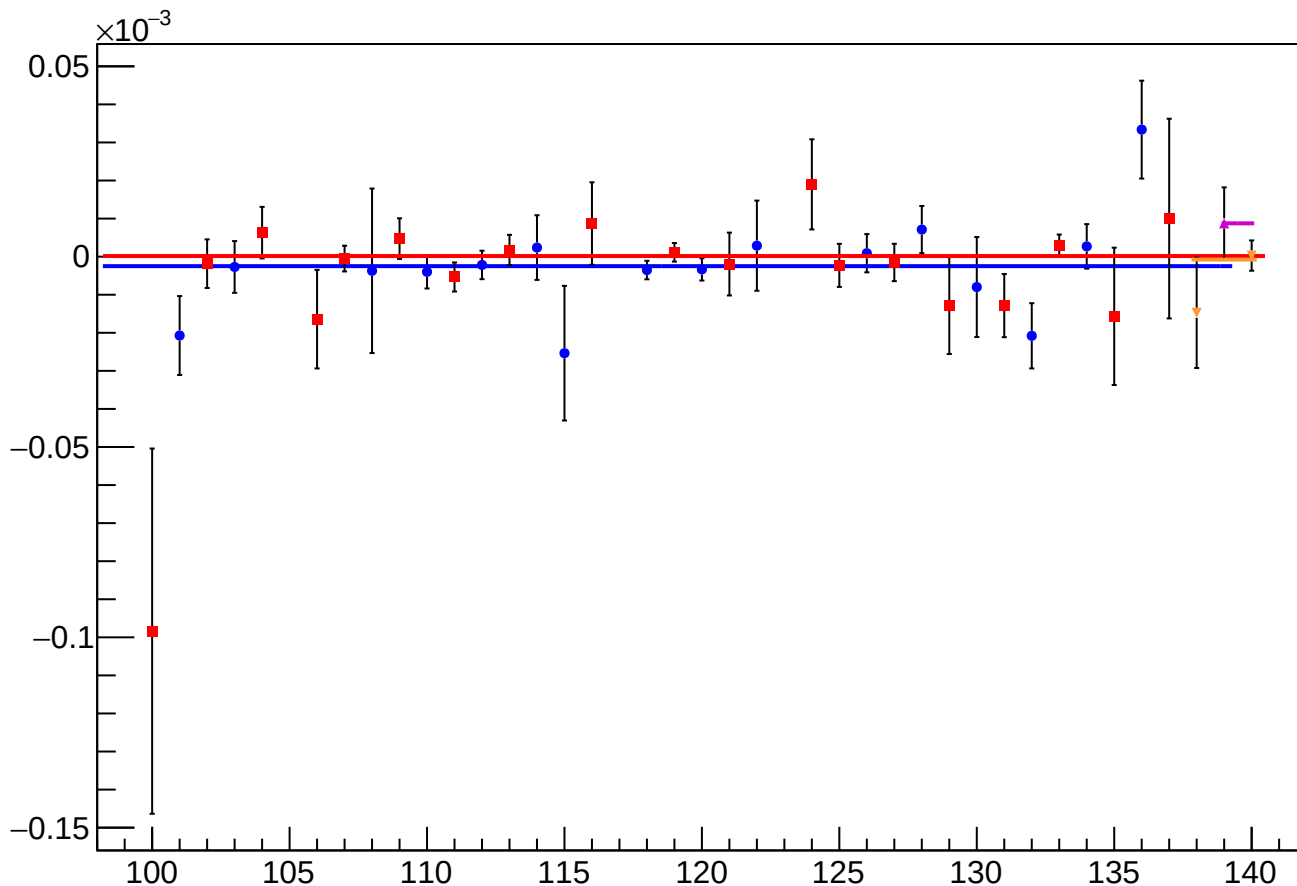
Left In: 20.394 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 34.622 $\pm$ 0.010 χ^2 /NDF: 2542079.3/17

All: 33.529 $\pm$ 0.007 χ^2 /NDF: 6285847.9/37

- sign 32.332 $\pm$ 0.010 χ^2 /NDF: 3716555.2/19

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.9/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/18

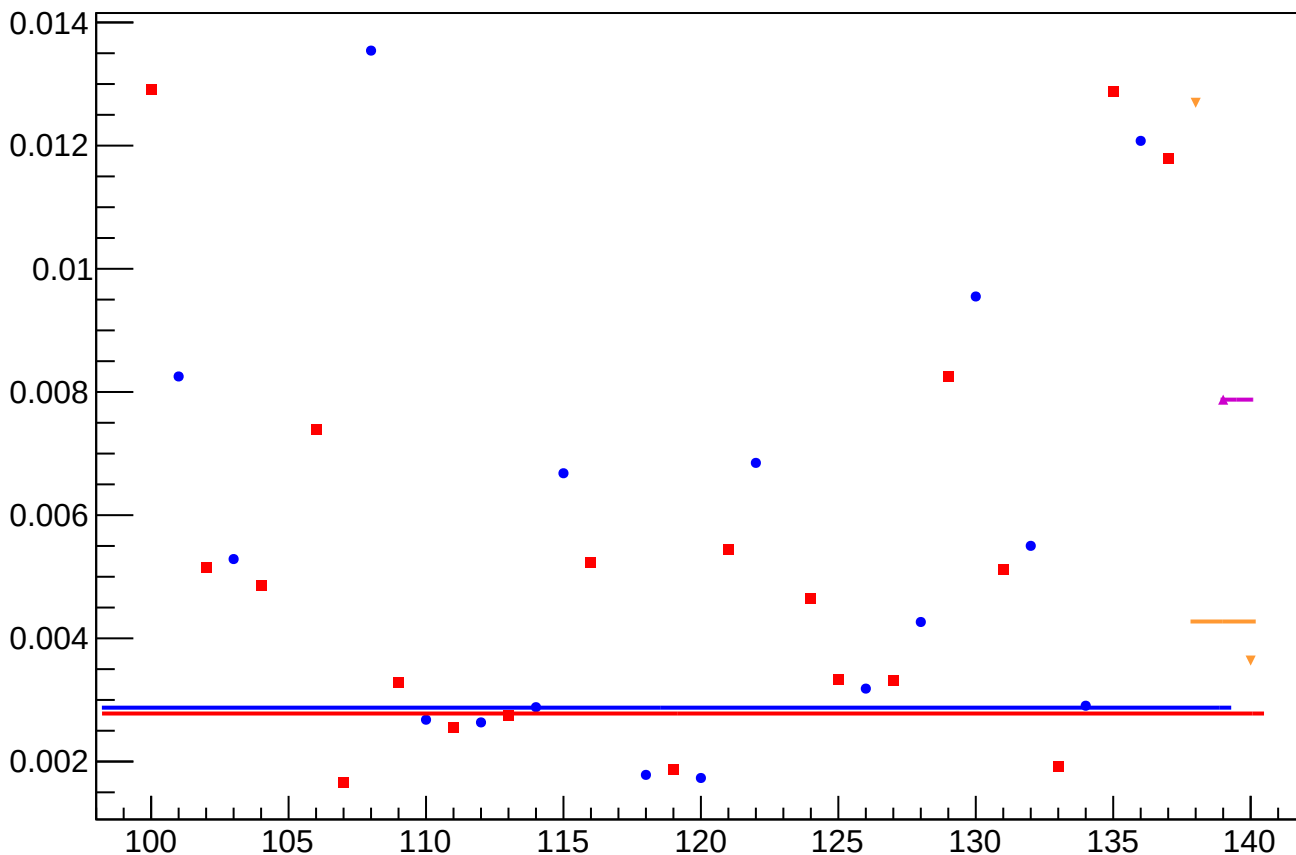
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 23.0/17

All: -0.000 ± 0.000 χ^2/NDF : 45.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 19.7/19

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF : 726251.8/1

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

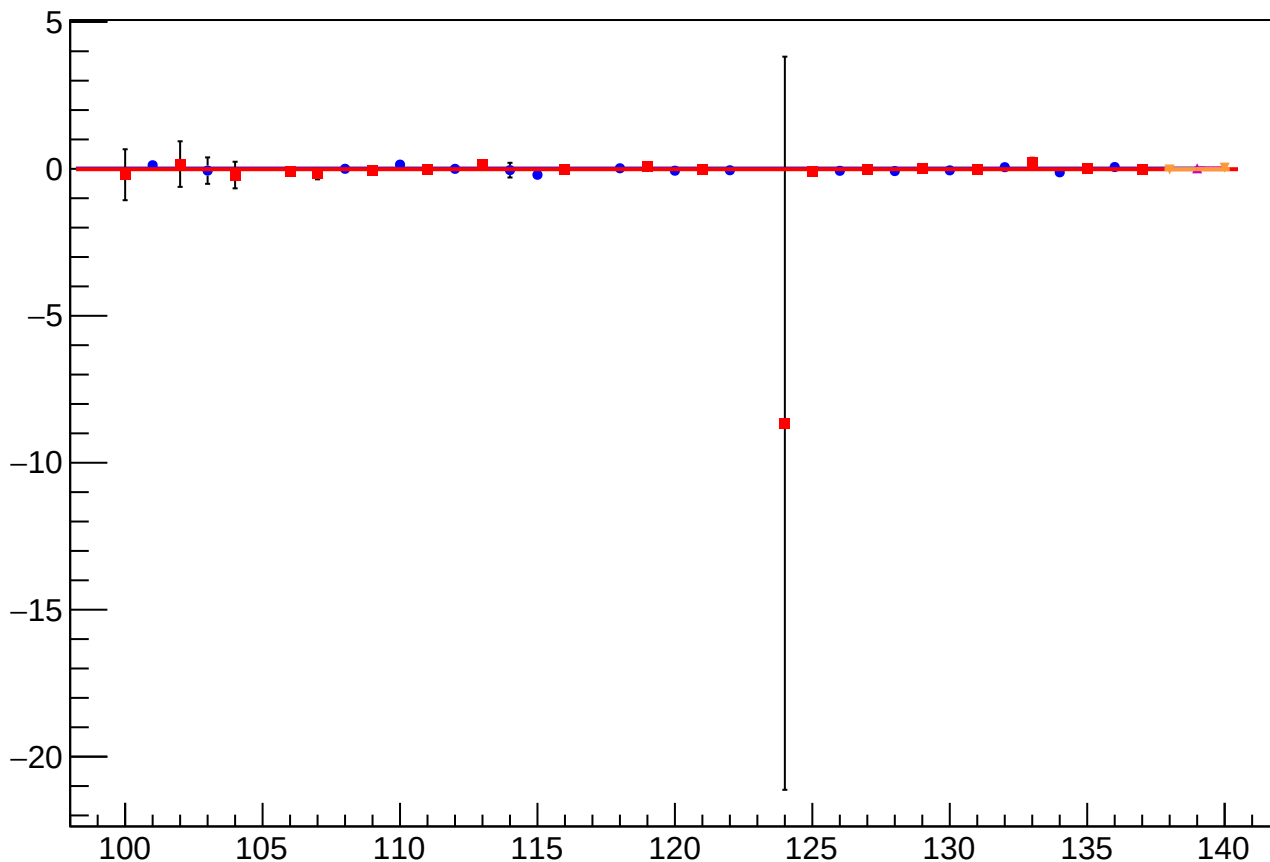
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 5116632.6/17

All: 0.003+/-0.000 χ^2/NDF : 9018250.6/37

- sign 0.003+/-0.000 χ^2/NDF : 3883213.8/19

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: -0.009 ± 0.025 χ^2/NDF : 1.0/1

Right Out: -0.013 ± 0.017 χ^2/NDF : 12.6/18

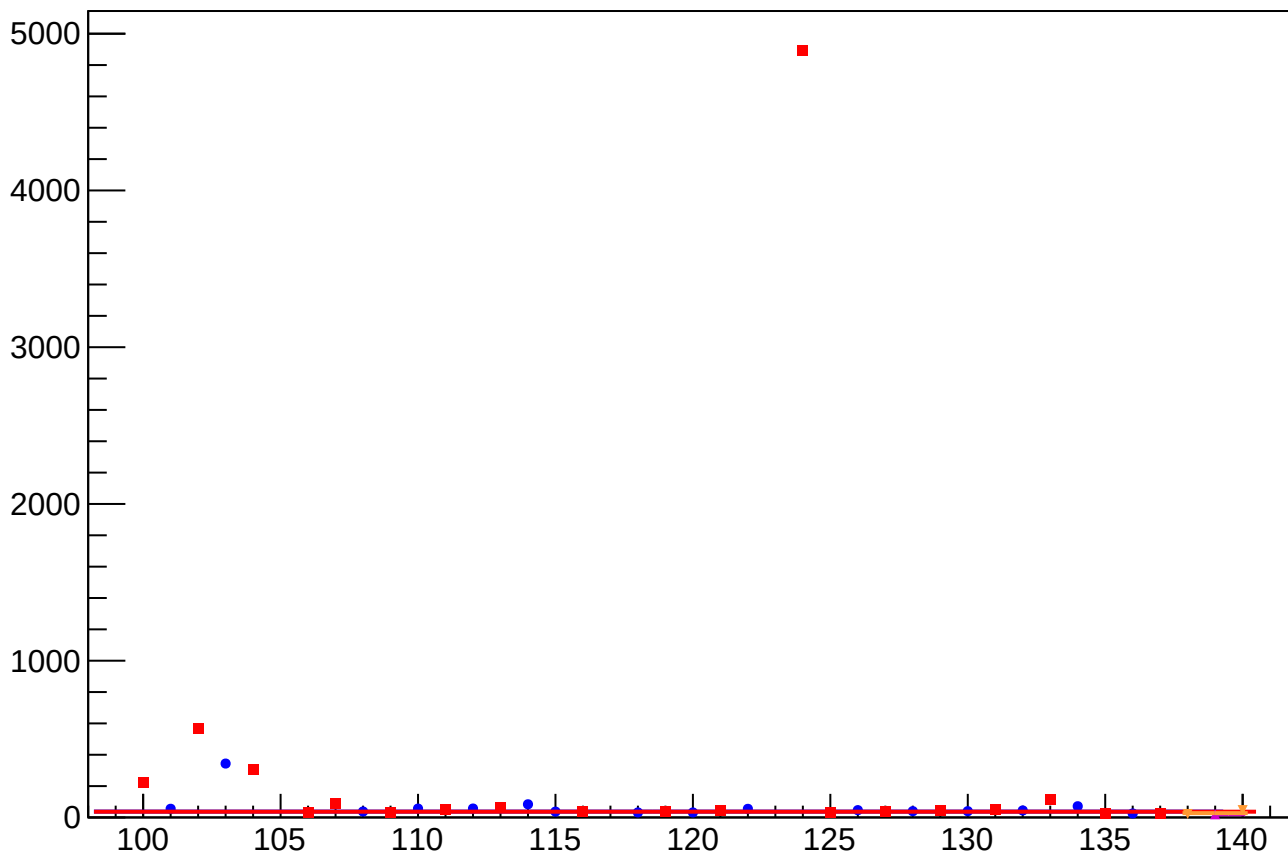
Left In: 0.018 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.000 ± 0.010 χ^2/NDF : 34.3/37

- sign -0.004 ± 0.014 χ^2/NDF : 13.5/19

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 27.536 $\pm$ 0.018 χ^2 /NDF: 337799.5/1

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

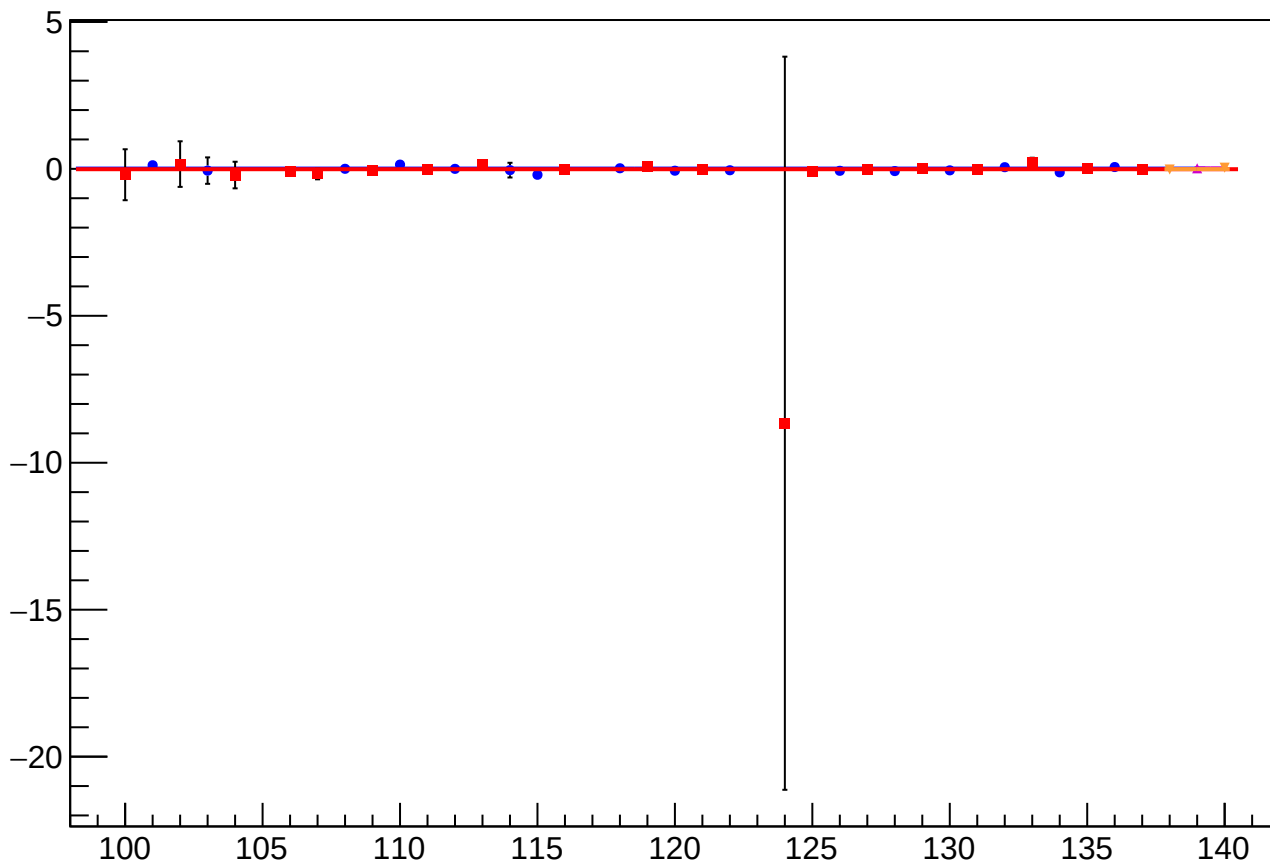
Left In: 20.403 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 34.620 $\pm$ 0.010 χ^2 /NDF: 2542446.2/17

All: 33.531 $\pm$ 0.007 χ^2 /NDF: 6285072.2/37

- sign 32.337 $\pm$ 0.010 χ^2 /NDF: 3715568.8/19

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: -0.009 ± 0.025 χ^2/NDF : 1.0/1

Right Out: -0.013 ± 0.017 χ^2/NDF : 12.6/18

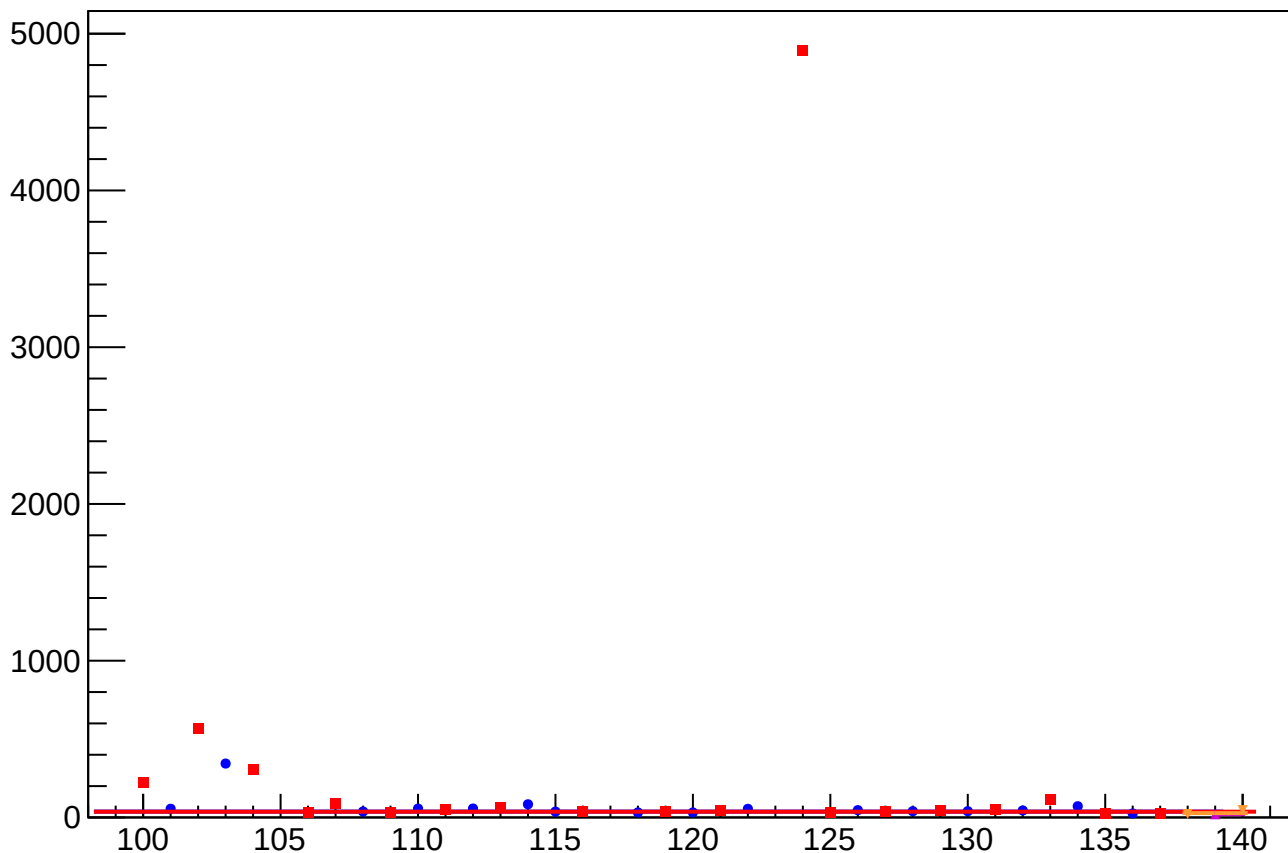
Left In: 0.018 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.000 ± 0.010 χ^2/NDF : 34.3/37

- sign -0.004 ± 0.014 χ^2/NDF : 13.5/19

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF : 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF : 337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF : 3190400.7/18

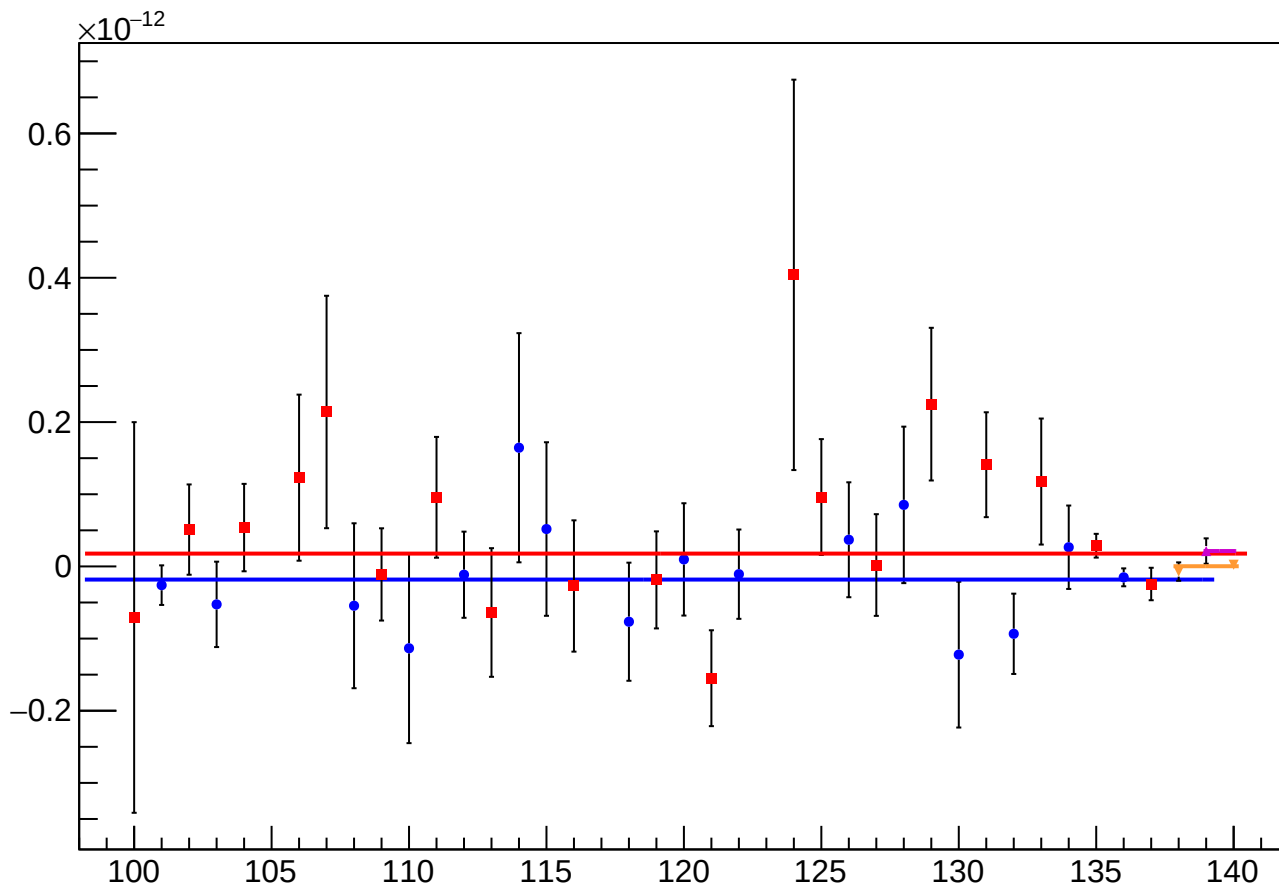
Left In: 20.403+/-0.019 χ^2/NDF : 0.0/0

+ sign 34.620+/-0.010 χ^2/NDF : 2542446.2/17

All: 33.531+/-0.007 χ^2/NDF : 6285072.2/37

- sign 32.337+/-0.010 χ^2/NDF : 3715568.8/19

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2 /NDF:0.4/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 27.3/18

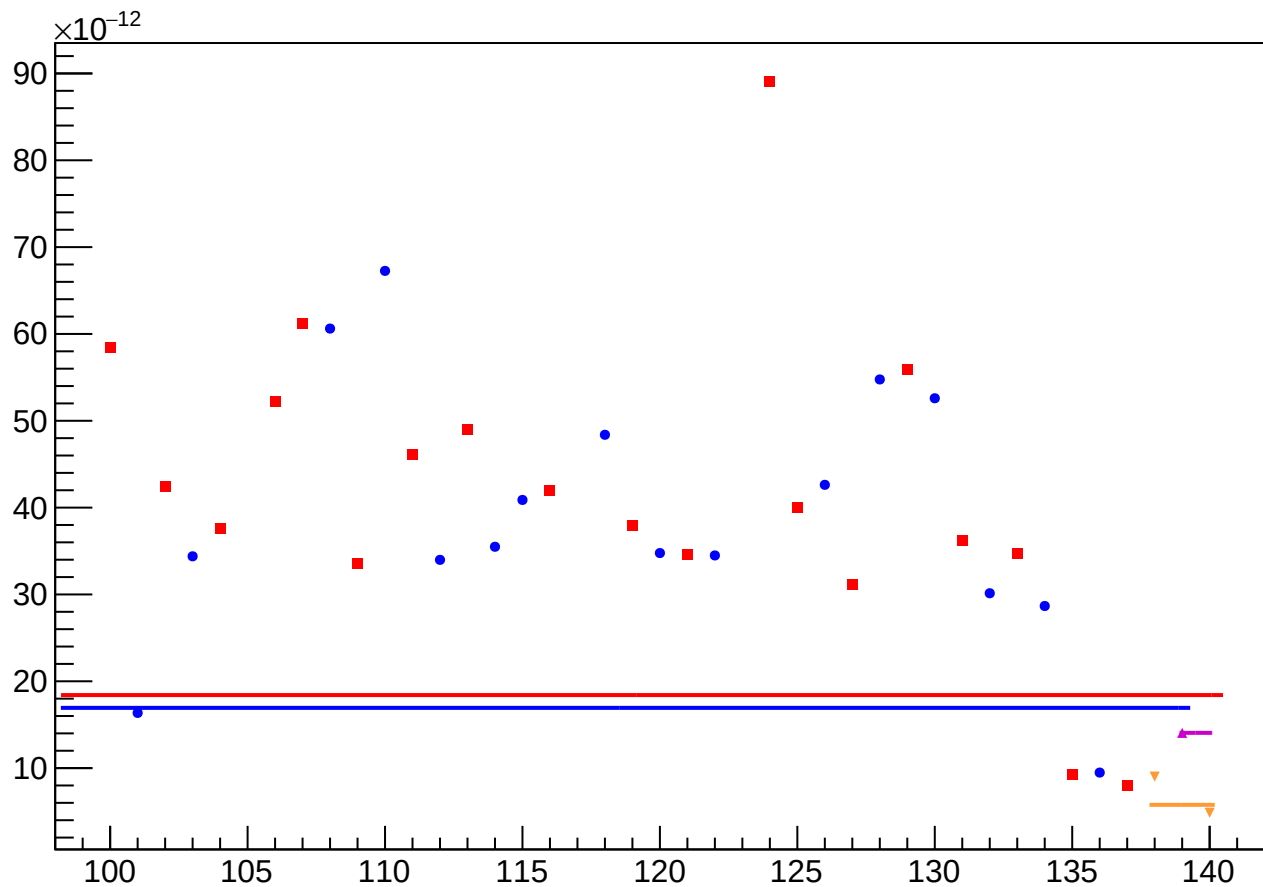
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 11.3/17

All: 0.000+/-0.000 χ^2 /NDF: 43.4/37

- sign 0.000+/-0.000 χ^2 /NDF: 27.3/19

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 166621.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3674861.8/18

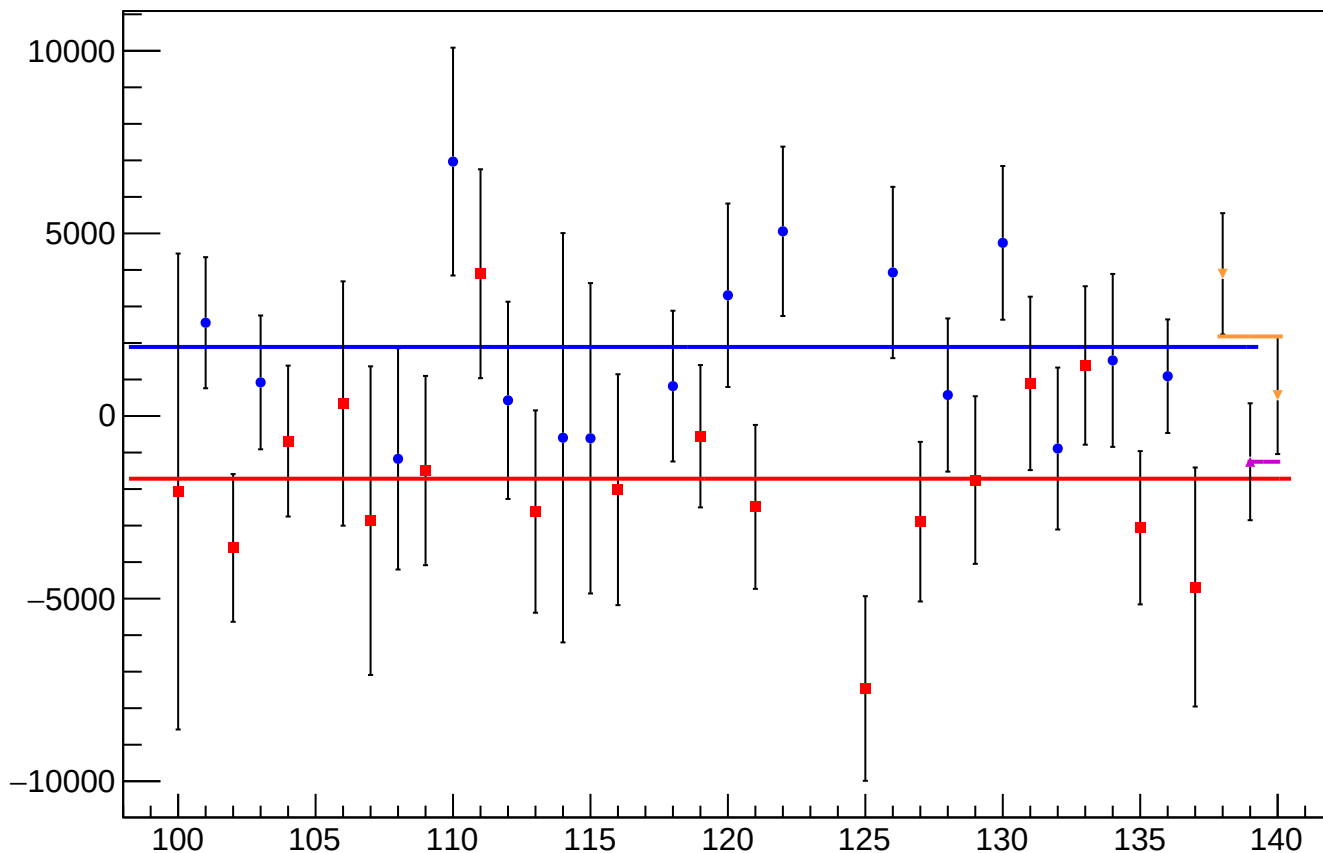
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5237835.6/17

All: 0.000+/-0.000 χ^2/NDF : 10254248.1/37

- sign 0.000+/-0.000 χ^2/NDF : 3762773.1/19

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 2179.122 $\pm$ 1156.497 χ^2 /NDF:2.1/1

Right Out: -1715.909 $\pm$ 589.518 χ^2 /NDF: 16.0/17

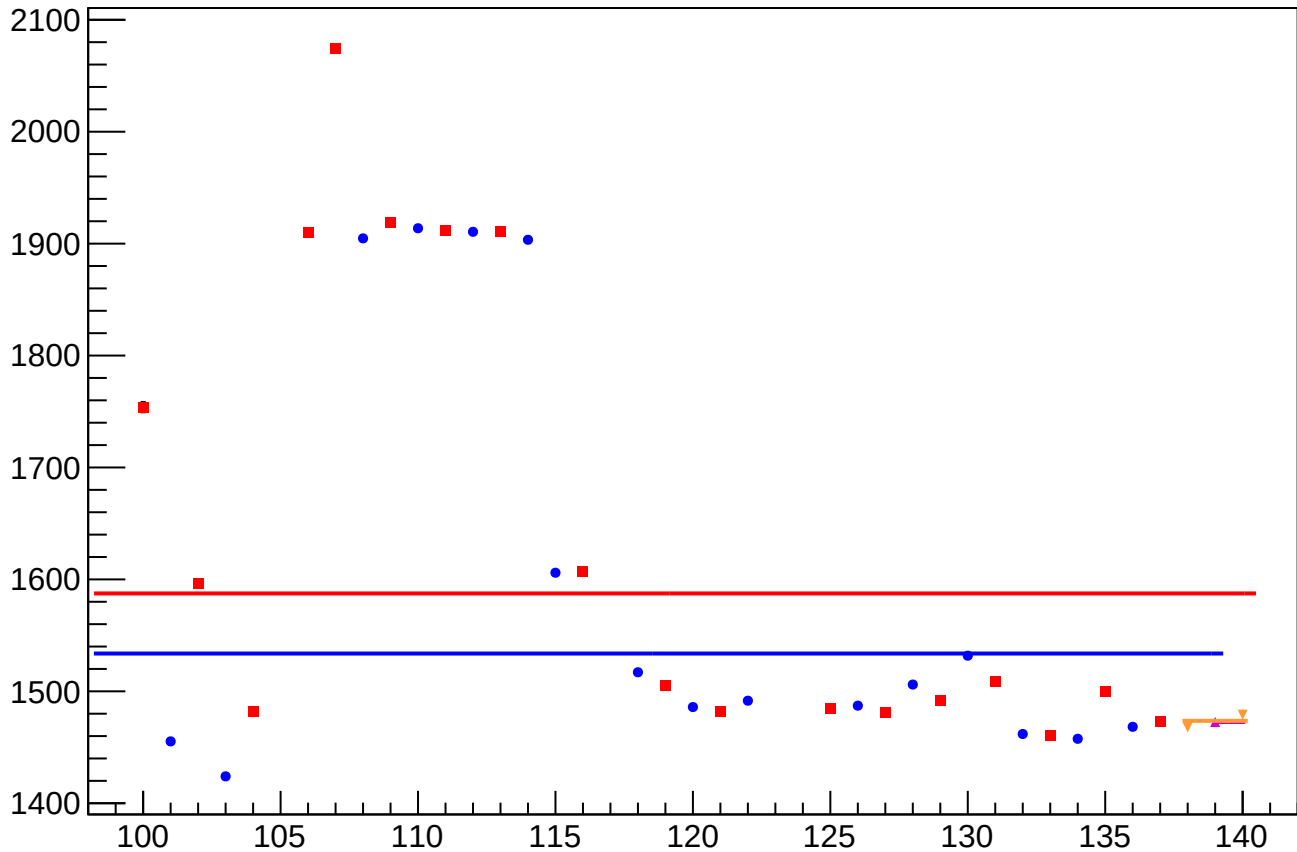
Left In: -1251.944 $\pm$ 1600.618 χ^2 /NDF:0.0/0

+ sign 1948.035 $\pm$ 512.892 χ^2 /NDF: 14.3/17

All: 279.985 $\pm$ 376.110 χ^2 /NDF: 53.3/36

- sign -1660.490 $\pm$ 553.191 χ^2 /NDF: 16.0/18

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771 $\pm$ 0.405 χ^2 /NDF: 129271.6/15

Left Out: 1473.628 $\pm$ 0.818 χ^2 /NDF: 47.9/1

Right Out: 1587.461 $\pm$ 0.417 χ^2 /NDF: 171988.2/17

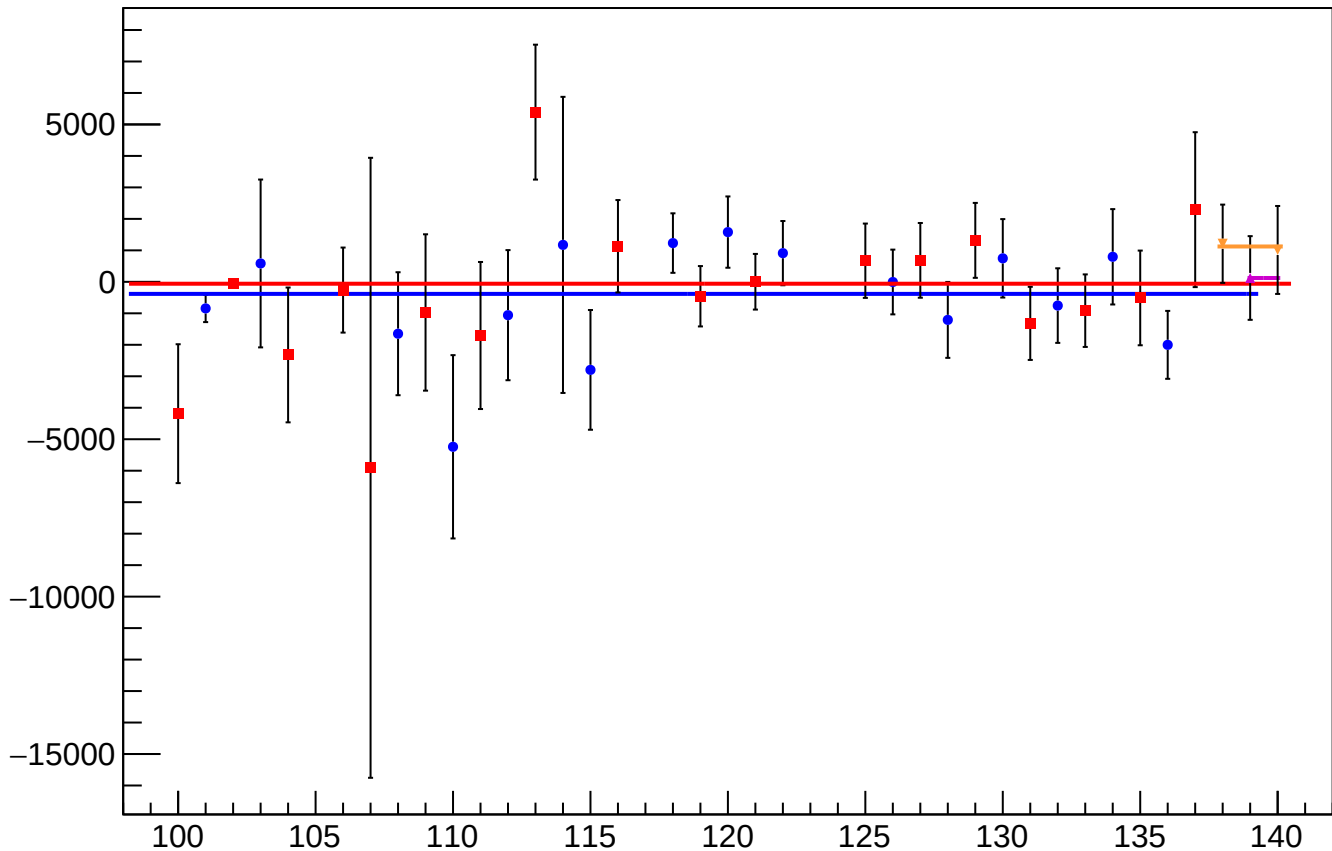
Left In: 1472.575 $\pm$ 1.132 χ^2 /NDF: 0.0/0

+ sign 1521.942 $\pm$ 0.363 χ^2 /NDF: 133664.5/17

All: 1545.885 $\pm$ 0.266 χ^2 /NDF: 324154.6/36

- sign 1573.739 $\pm$ 0.391 χ^2 /NDF: 181061.1/18

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787 ± 272.209 χ^2/NDF : 18.2/15

Left Out: 1122.897 ± 928.695 χ^2/NDF : 0.0/1

Right Out: -59.970 ± 127.700 χ^2/NDF : 17.8/17

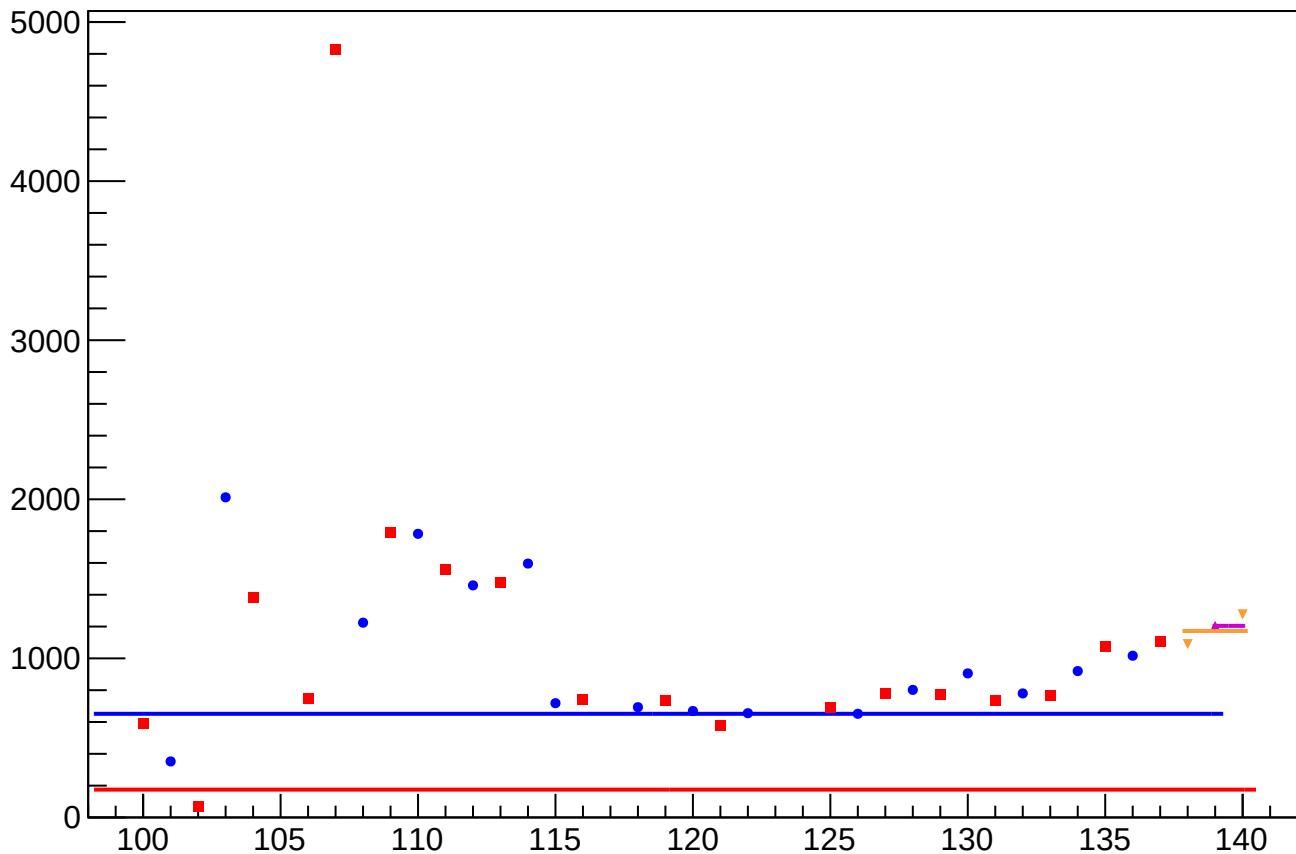
Left In: 122.135 ± 1329.266 χ^2/NDF : 0.0/0

+ sign -263.664 ± 261.219 χ^2/NDF : 20.6/17

All: -97.624 ± 114.300 χ^2/NDF : 38.9/36

- sign -58.305 ± 127.115 χ^2/NDF : 17.8/18

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF : 2762656.2/15

Left Out: 1172.072+/-0.657 χ^2/NDF : 20006.2/1

Right Out: 174.898+/-0.090 χ^2/NDF : 9761228.2/17

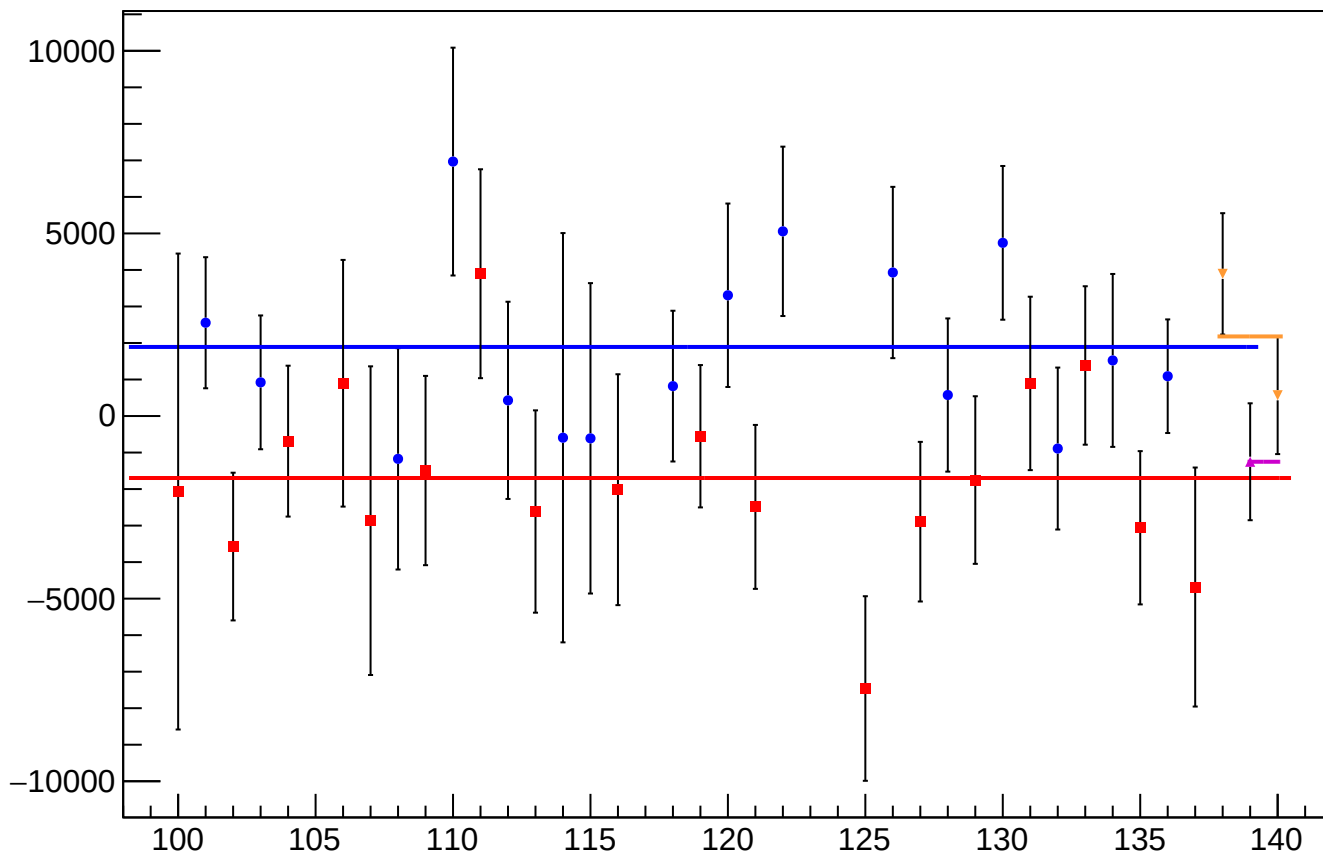
Left In: 1204.279+/-0.940 χ^2/NDF : 0.0/0

+ sign 692.707+/-0.185 χ^2/NDF : 3361307.3/17

All: 281.651+/-0.081 χ^2/NDF : 20436180.5/36

- sign 184.312+/-0.090 χ^2/NDF : 10949644.2/18

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF : 12.2/15

Left Out: 2179.207+/-1156.497 χ^2/NDF : 2.1/1

Right Out: -1696.987+/-589.699 χ^2/NDF : 16.2/17

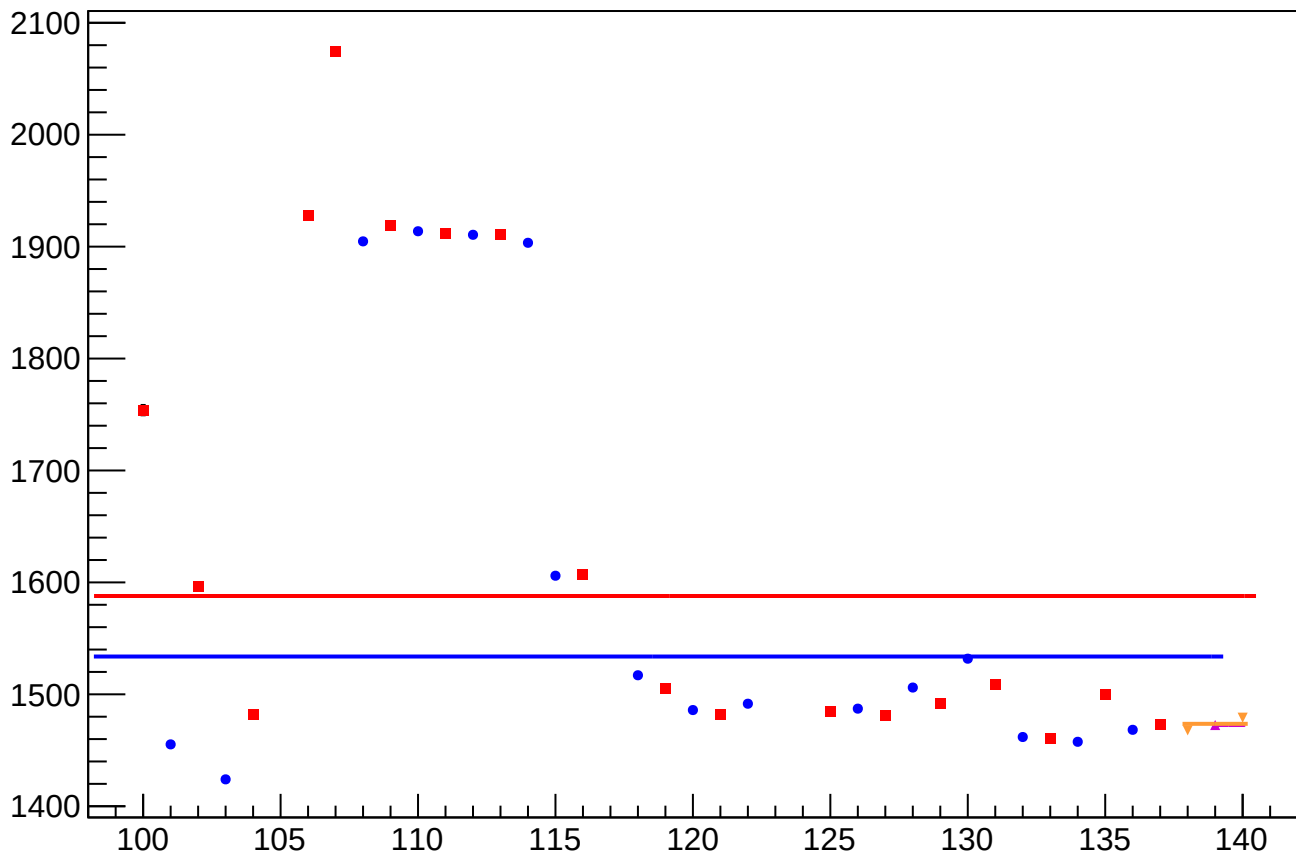
Left In: -1252.167+/-1600.618 χ^2/NDF : 0.0/0

+ sign 1948.136+/-512.892 χ^2/NDF : 14.3/17

All: 288.226+/-376.157 χ^2/NDF : 53.2/36

- sign -1643.826+/-553.341 χ^2/NDF : 16.2/18

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771 $\pm$ 0.405 χ^2 /NDF: 129271.5/15

Left Out: 1473.628 $\pm$ 0.818 χ^2 /NDF: 47.9/1

Right Out: 1587.846 $\pm$ 0.417 χ^2 /NDF: 173766.9/17

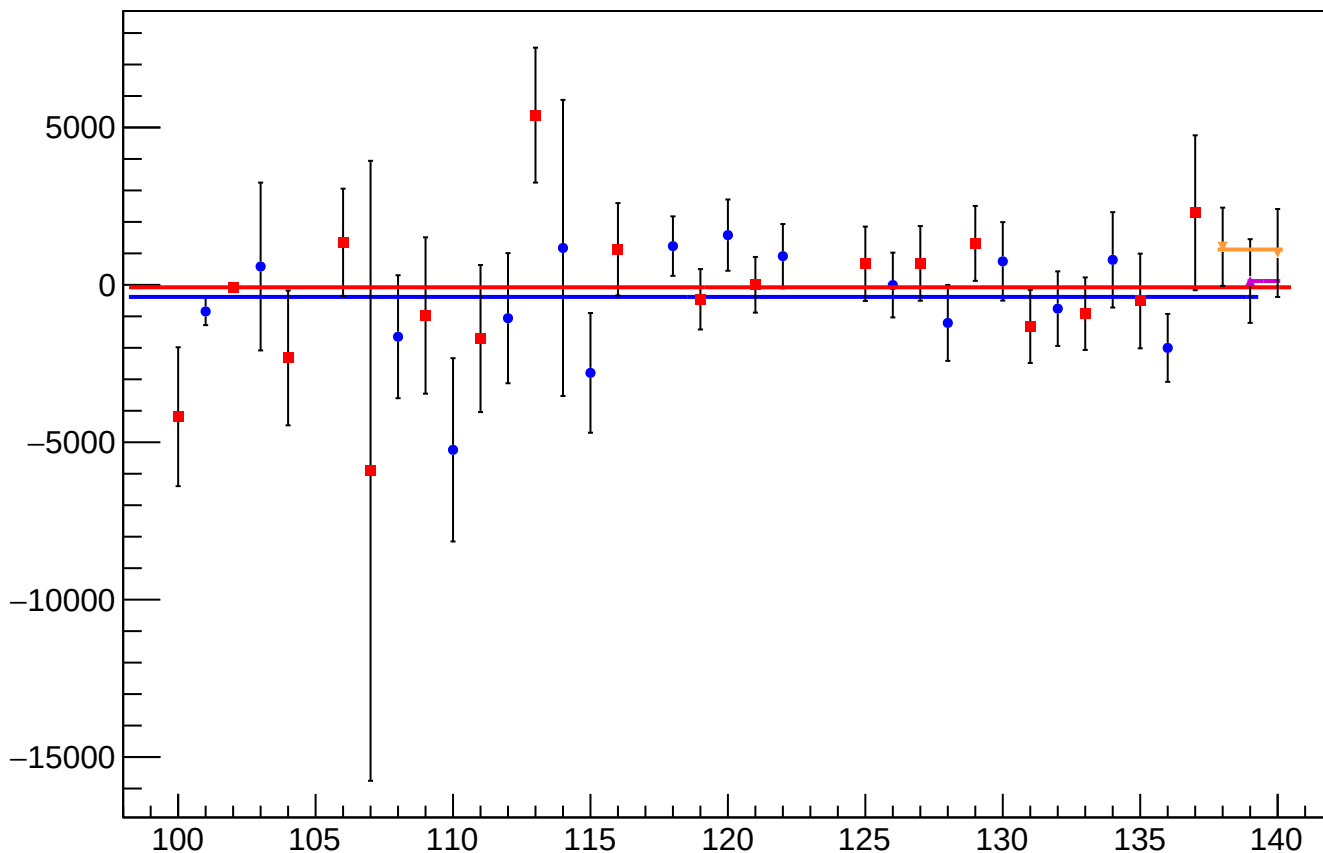
Left In: 1472.575 $\pm$ 1.132 χ^2 /NDF: 0.0/0

+ sign 1521.942 $\pm$ 0.363 χ^2 /NDF: 133664.5/17

All: 1546.031 $\pm$ 0.266 χ^2 /NDF: 326111.6/36

- sign 1574.070 $\pm$ 0.391 χ^2 /NDF: 182900.0/18

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761 $\pm$ 272.209 χ^2 /NDF: 18.2/15

Left Out: 1123.053 $\pm$ 928.698 χ^2 /NDF: 0.0/1

Right Out: -76.754 $\pm$ 138.137 χ^2 /NDF: 18.5/17

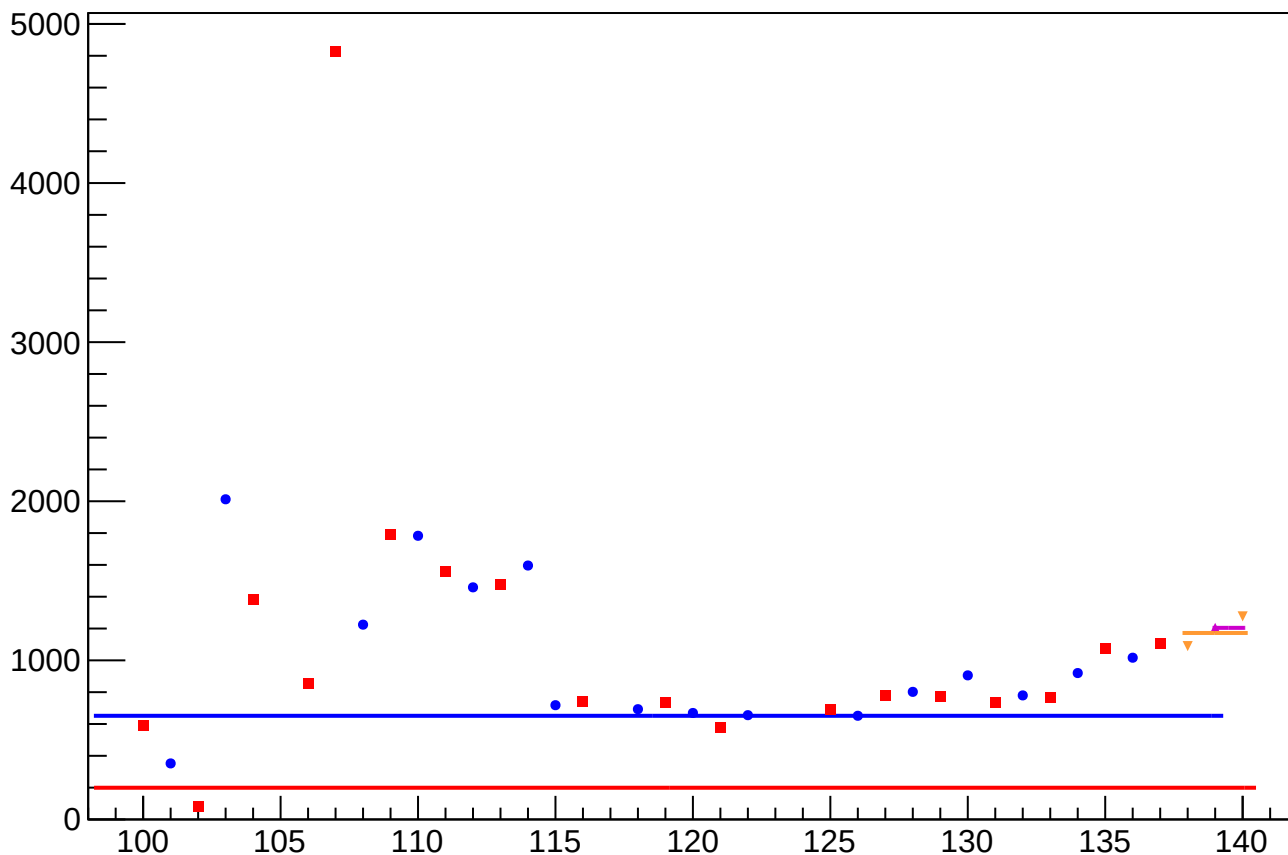
Left In: 122.048 $\pm$ 1329.273 χ^2 /NDF: 0.0/0

+ sign -263.628 $\pm$ 261.219 χ^2 /NDF: 20.6/17

All: -115.587 $\pm$ 121.602 χ^2 /NDF: 39.5/36

- sign -74.630 $\pm$ 137.397 χ^2 /NDF: 18.5/18

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF : 20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

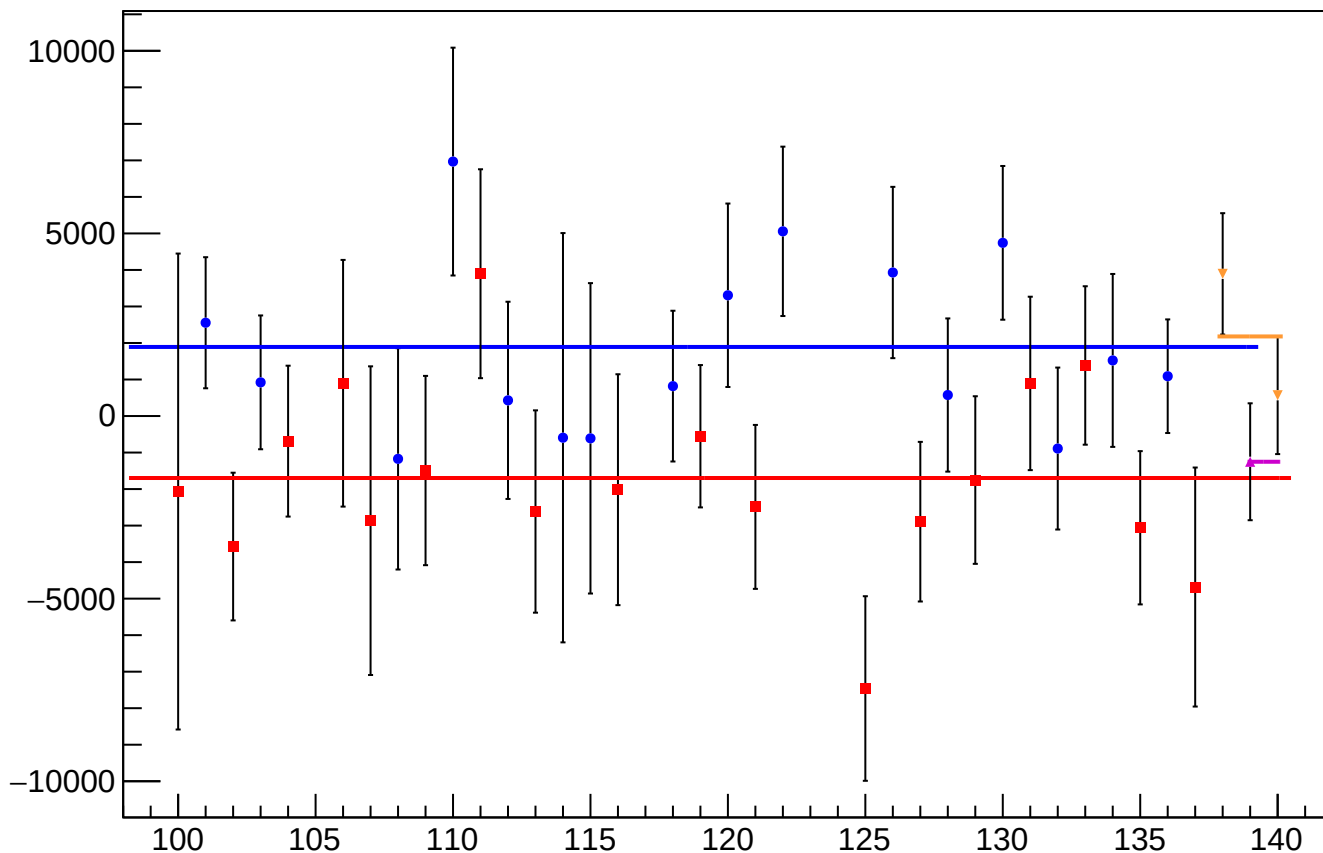
Left In: 1204.285+/-0.940 χ^2/NDF : 0.0/0

+ sign 692.705+/-0.185 χ^2/NDF : 3361340.6/17

All: 314.668+/-0.086 χ^2/NDF : 19124688.7/30

- sign 210.080+/-0.097 χ^2/NDF : 10415675.6/18

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF : 12.2/15

Left Out: 2179.207+/-1156.497 χ^2/NDF : 2.1/1

Right Out: -1696.987+/-589.699 χ^2/NDF : 16.2/17

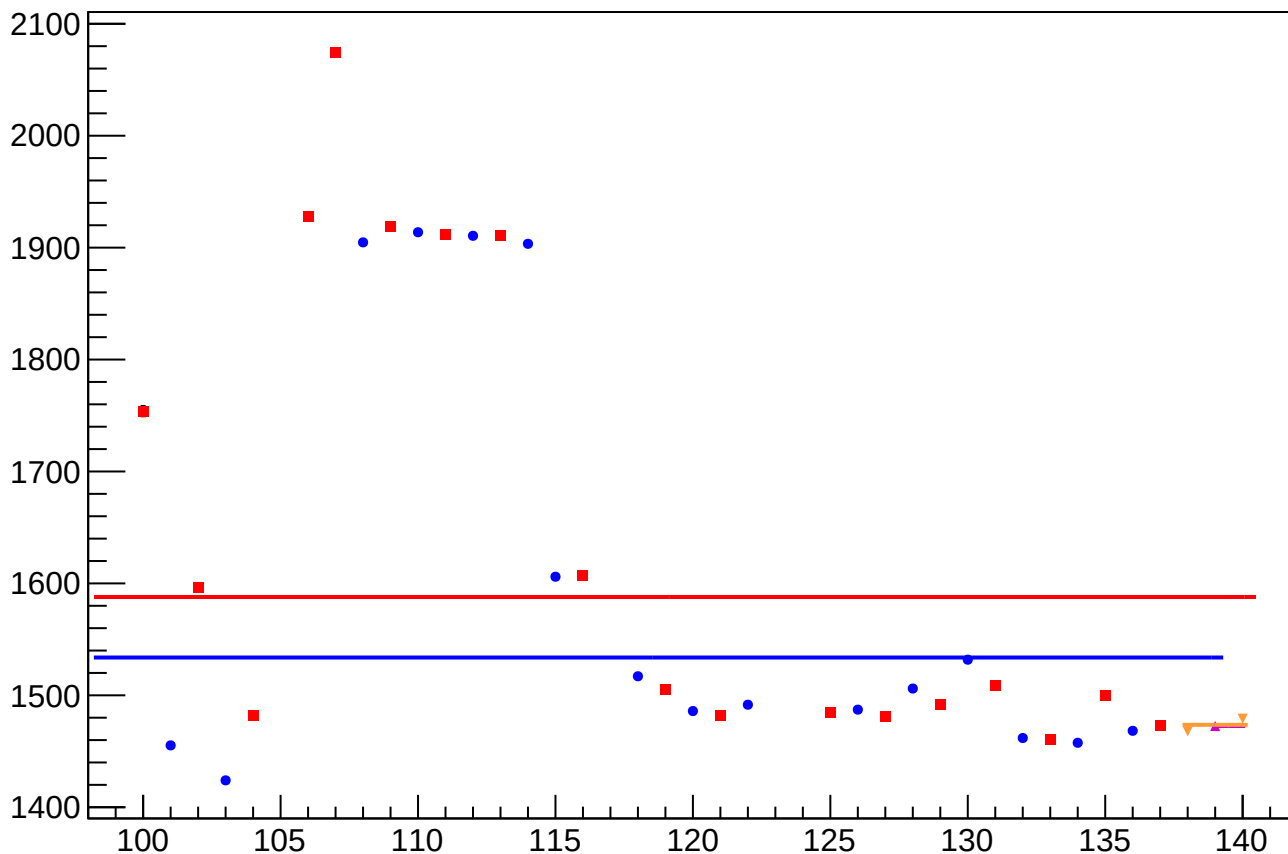
Left In: -1252.167+/-1600.618 χ^2/NDF : 0.0/0

+ sign 1948.136+/-512.892 χ^2/NDF : 14.3/17

All: 288.226+/-376.157 χ^2/NDF : 53.2/36

- sign -1643.826+/-553.341 χ^2/NDF : 16.2/18

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771 $\pm$ 0.405 χ^2 /NDF: 129271.5/15

Left Out: 1473.628 $\pm$ 0.818 χ^2 /NDF: 47.9/1

Right Out: 1587.846 $\pm$ 0.417 χ^2 /NDF: 173766.9/17

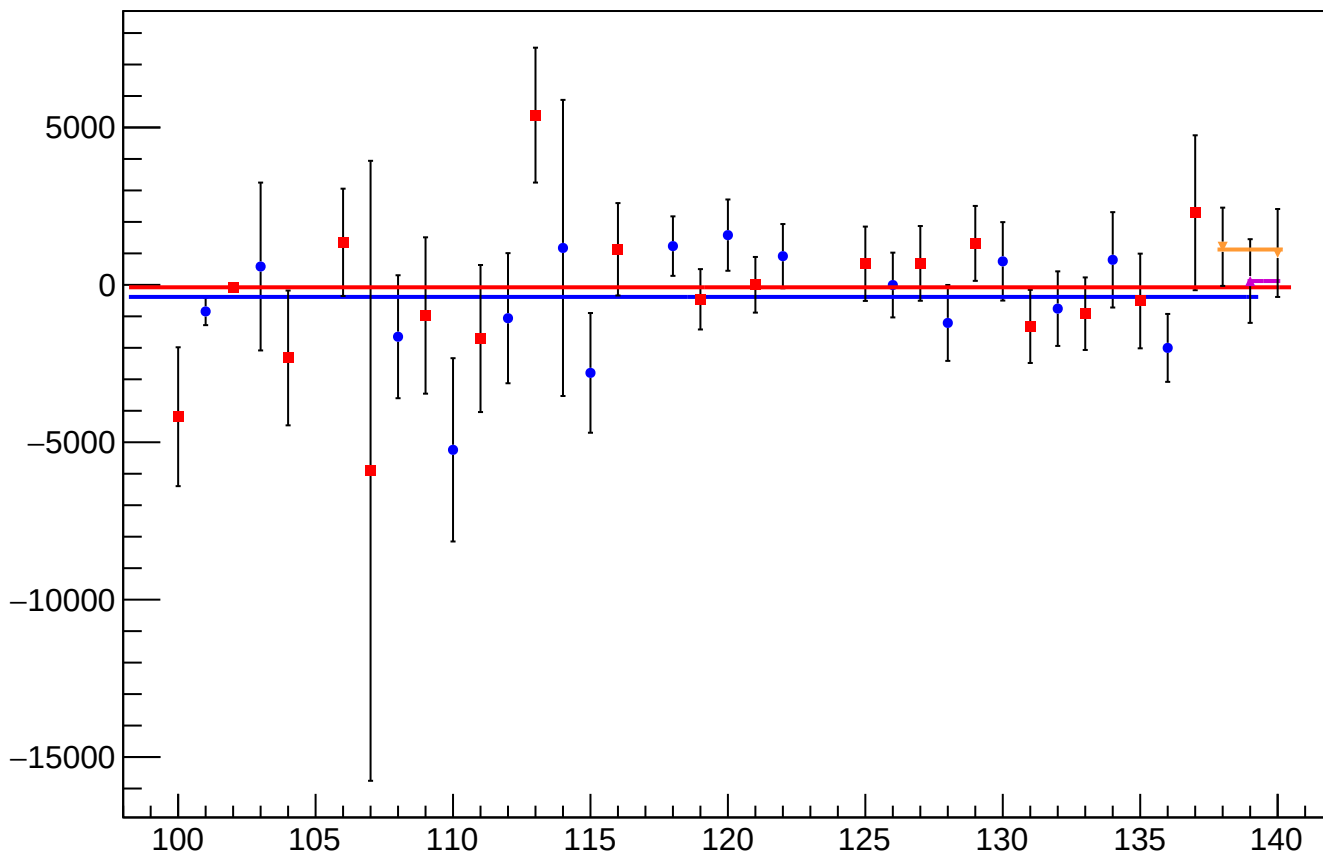
Left In: 1472.575 $\pm$ 1.132 χ^2 /NDF: 0.0/0

+ sign 1521.942 $\pm$ 0.363 χ^2 /NDF: 133664.5/17

All: 1546.031 $\pm$ 0.266 χ^2 /NDF: 326111.6/36

- sign 1574.070 $\pm$ 0.391 χ^2 /NDF: 182900.0/18

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF : 18.2/15

Left Out: 1123.053+/-928.698 χ^2/NDF : 0.0/1

Right Out: -76.754+/-138.137 χ^2/NDF : 18.5/17

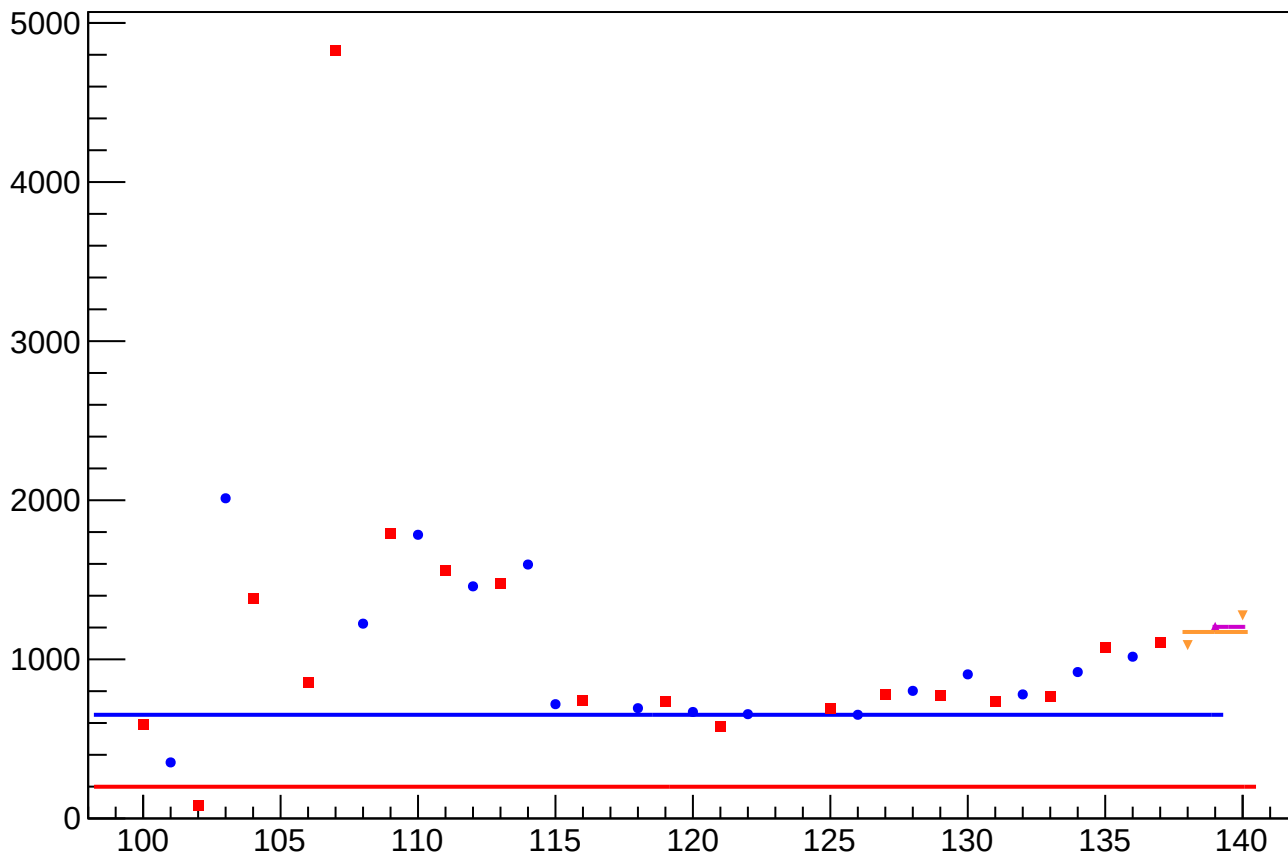
Left In: 122.048+/-1329.273 χ^2/NDF : 0.0/0

+ sign -263.628+/-261.219 χ^2/NDF : 20.6/17

All: -115.587+/-121.602 χ^2/NDF : 39.5/36

- sign -74.630+/-137.397 χ^2/NDF : 18.5/18

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF : 20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

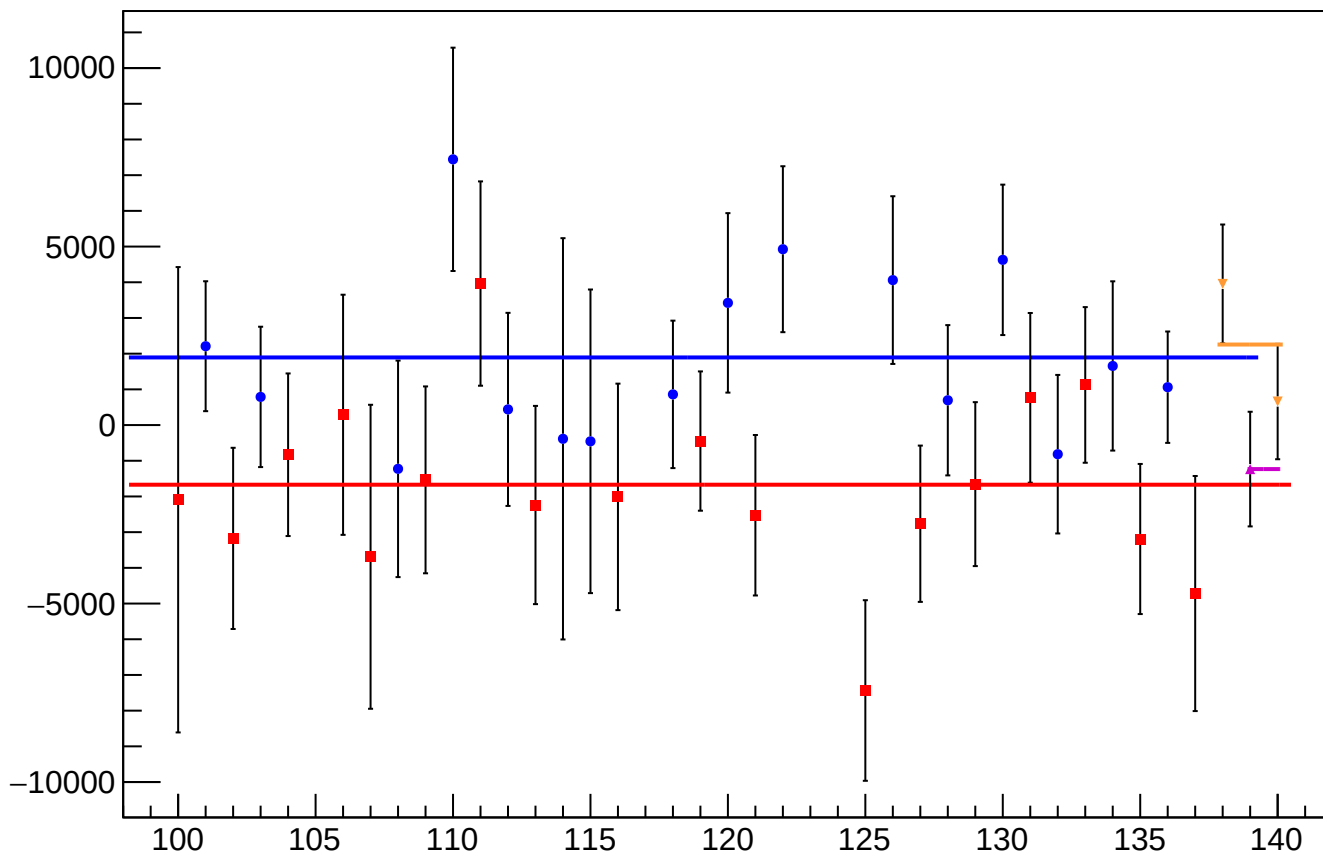
Left In: 1204.285+/-0.940 χ^2/NDF : 0.0/0

+ sign 692.705+/-0.185 χ^2/NDF : 3361340.6/17

All: 314.668+/-0.086 χ^2/NDF : 19124688.7/30

- sign 210.080+/-0.097 χ^2/NDF : 10415675.6/18

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171 $\pm$ 577.631 χ^2 /NDF: 12.3/15

Left Out: 2255.871 $\pm$ 1159.516 χ^2 /NDF: 2.0/1

Right Out: -1670.933 $\pm$ 604.838 χ^2 /NDF: 15.0/17

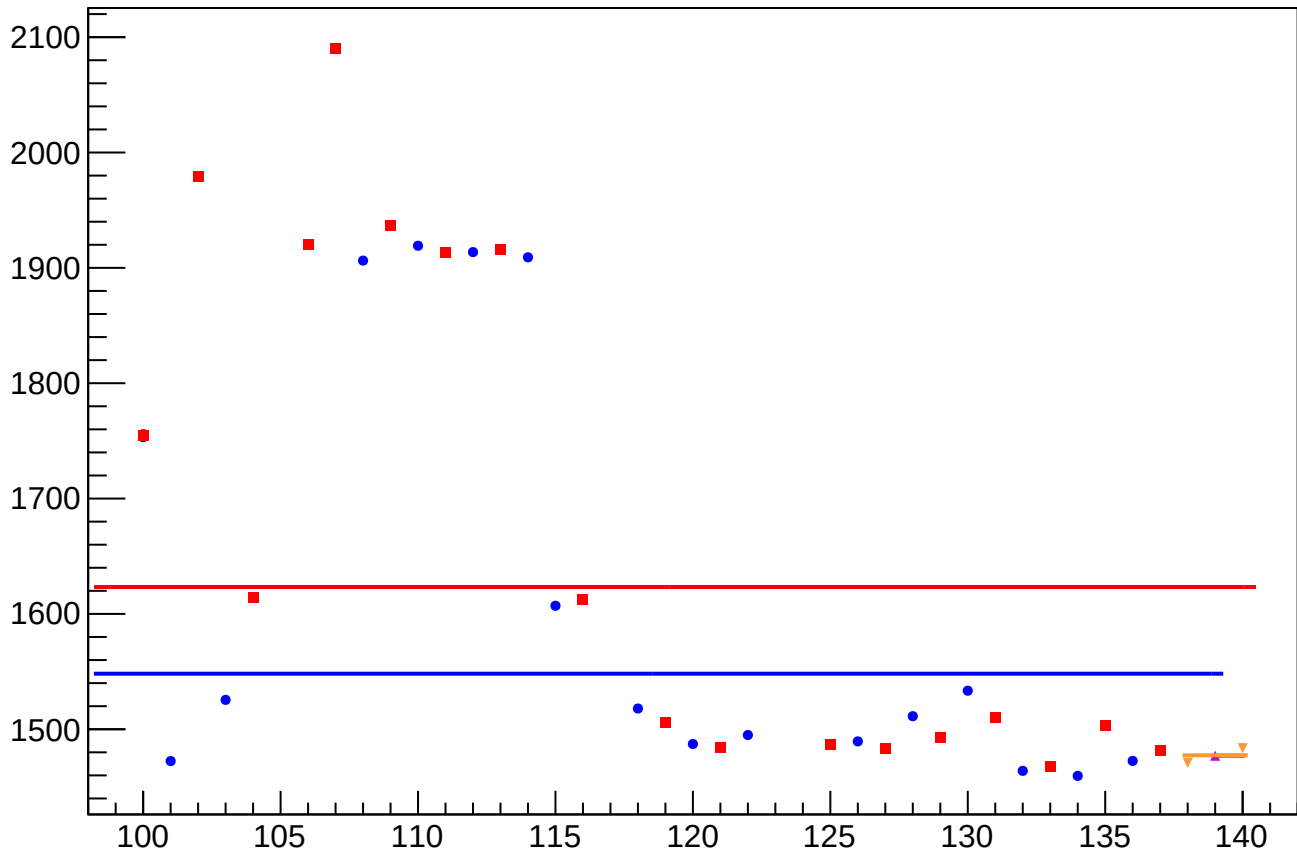
Left In: -1232.987 $\pm$ 1605.778 χ^2 /NDF: 0.0/0

+ sign 1966.087 $\pm$ 517.027 χ^2 /NDF: 14.4/17

All: 336.507 $\pm$ 381.740 χ^2 /NDF: 51.3/36

- sign -1616.519 $\pm$ 566.017 χ^2 /NDF: 15.1/18

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174 $\pm$ 0.408 χ^2 /NDF: 119905.3/15

Left Out: 1477.456 $\pm$ 0.820 χ^2 /NDF: 59.4/1

Right Out: 1623.331 $\pm$ 0.428 χ^2 /NDF: 211534.0/17

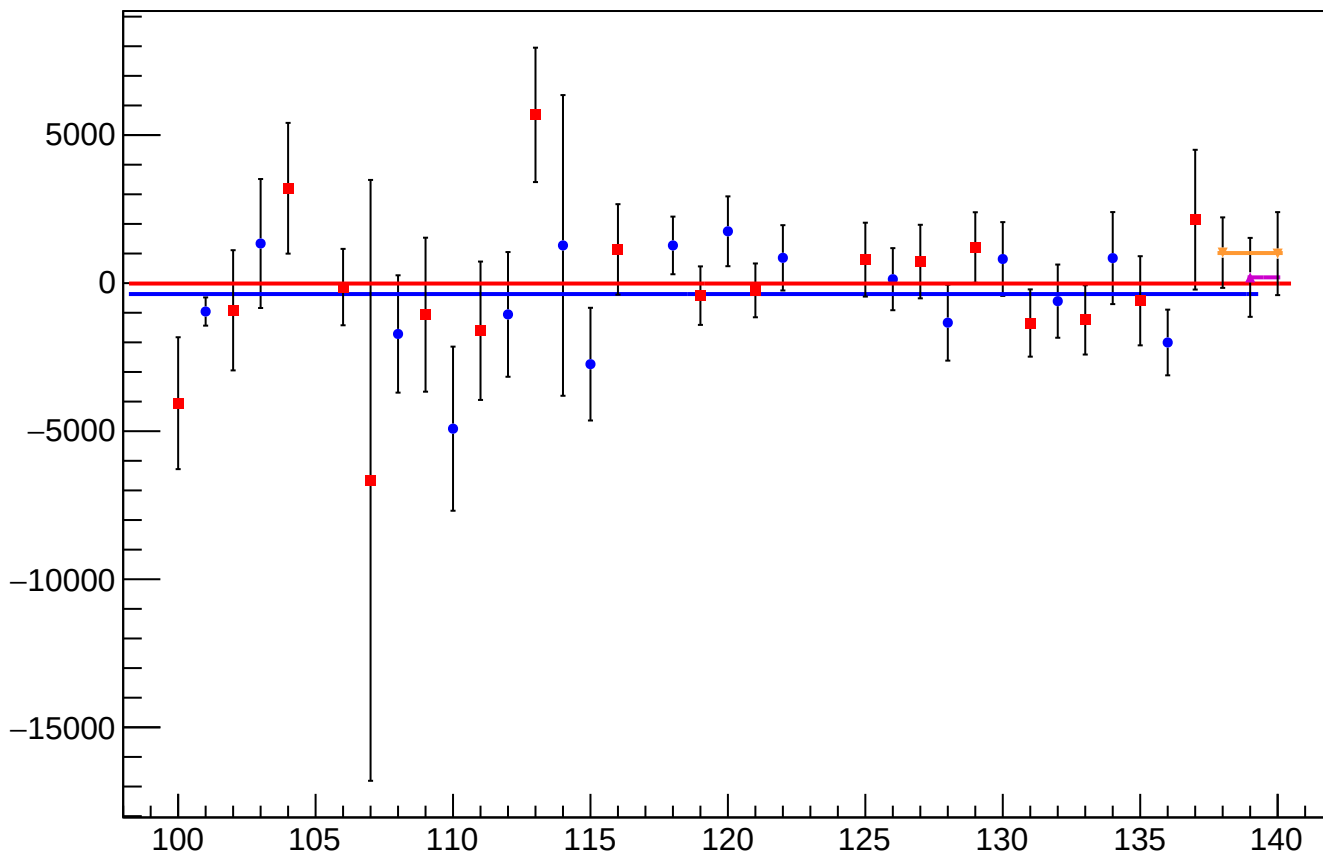
Left In: 1477.078 $\pm$ 1.135 χ^2 /NDF: 0.0/0

+ sign 1534.113 $\pm$ 0.366 χ^2 /NDF: 125925.0/17

All: 1566.429 $\pm$ 0.270 χ^2 /NDF: 369165.6/36

- sign 1605.159 $\pm$ 0.400 χ^2 /NDF: 226063.3/18

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF : 18.9/15

Left Out: 1016.362+/-907.295 χ^2/NDF : 0.0/1

Right Out: -13.729+/-341.569 χ^2/NDF : 19.1/17

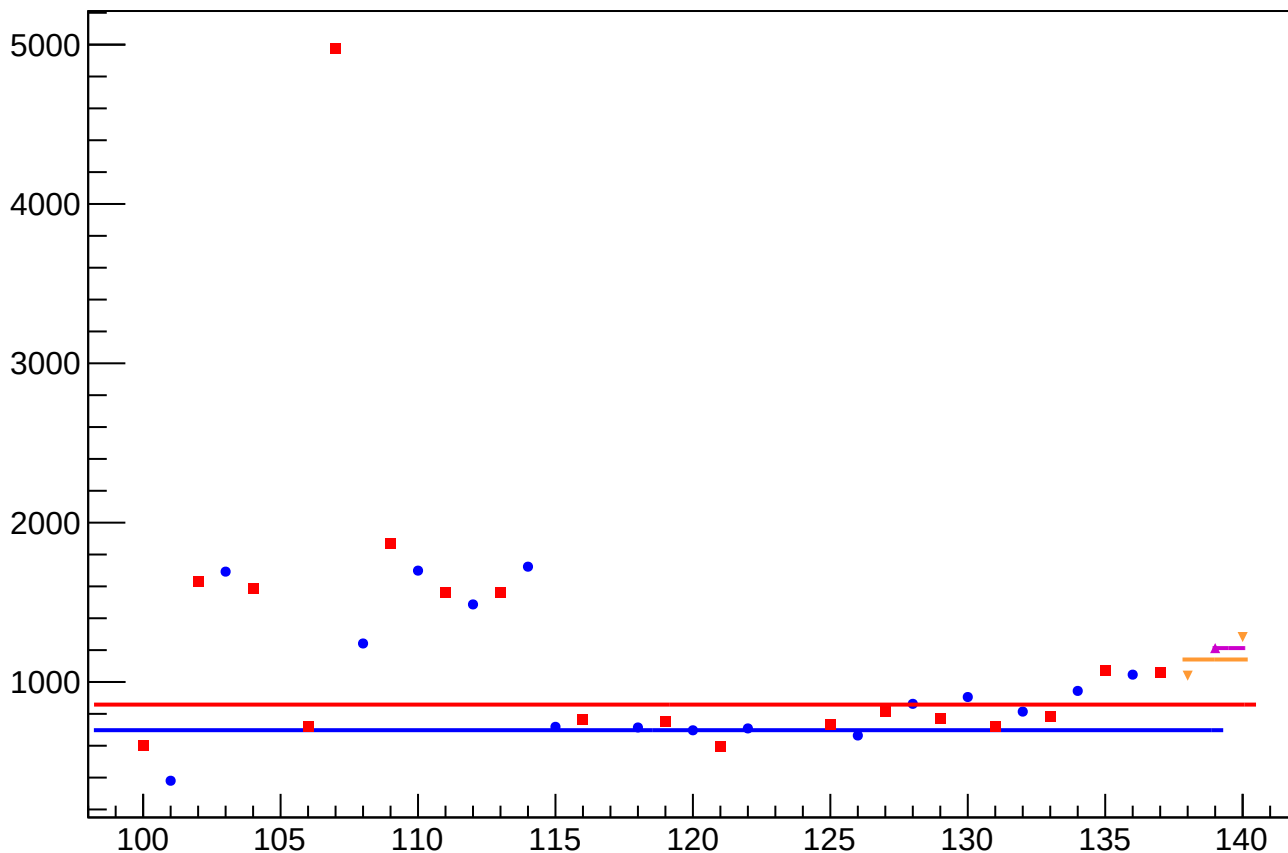
Left In: 194.940+/-1332.964 χ^2/NDF : 0.0/0

+ sign -243.060+/-273.269 χ^2/NDF : 21.0/17

All: -144.852+/-210.700 χ^2/NDF : 40.4/36

- sign -0.872+/-330.878 χ^2/NDF : 19.1/18

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435601.0/15

Left Out: 1141.154+/-0.642 χ^2/NDF : 34774.9/1

Right Out: 858.095+/-0.242 χ^2/NDF : 1882164.5/17

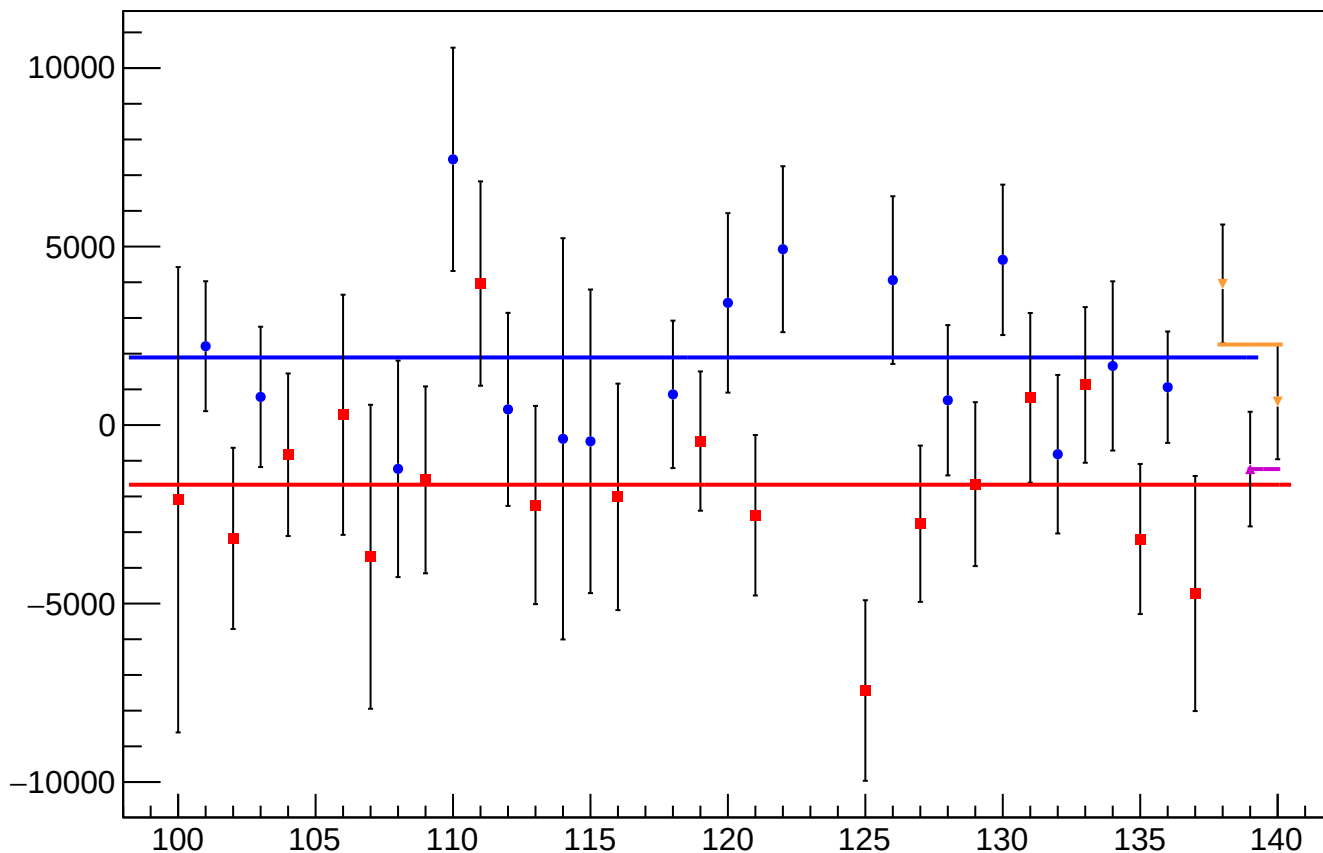
Left In: 1212.743+/-0.943 χ^2/NDF : 0.0/0

+ sign 737.762+/-0.193 χ^2/NDF : 2905175.1/17

All: 795.418+/-0.149 χ^2/NDF : 5139753.7/36

- sign 879.948+/-0.234 χ^2/NDF : 2015016.5/18

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169 $\pm$ 577.630 χ^2 /NDF: 12.3/15

Left Out: 2255.875 $\pm$ 1159.516 χ^2 /NDF: 2.0/1

Right Out: -1670.931 $\pm$ 604.838 χ^2 /NDF: 15.0/17

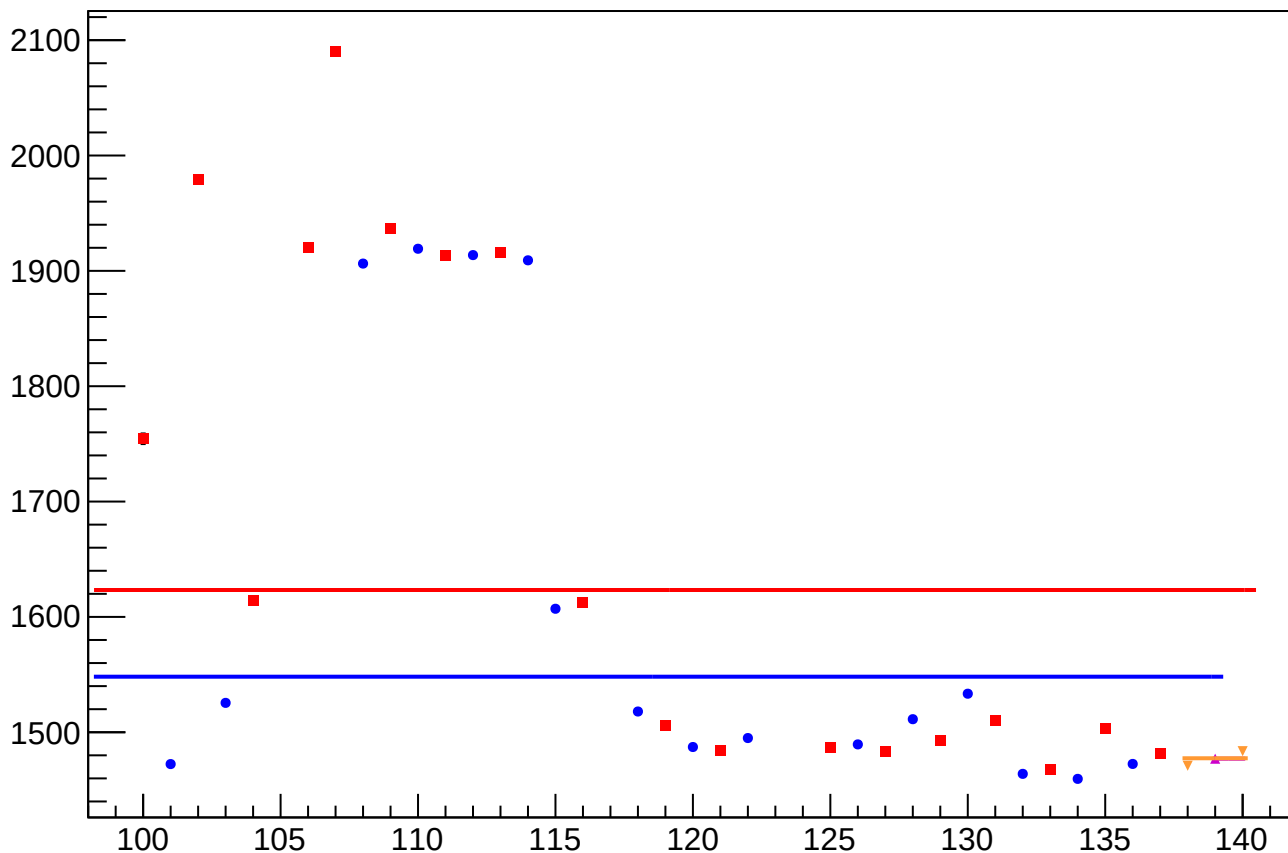
Left In: -1232.991 $\pm$ 1605.778 χ^2 /NDF: 0.0/0

+ sign 1966.085 $\pm$ 517.027 χ^2 /NDF: 14.4/17

All: 336.507 $\pm$ 381.740 χ^2 /NDF: 51.3/36

- sign -1616.518 $\pm$ 566.017 χ^2 /NDF: 15.1/18

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF : 119905.4/15

Left Out: 1477.456+/-0.820 χ^2/NDF : 59.4/1

Right Out: 1623.330+/-0.428 χ^2/NDF : 211533.9/17

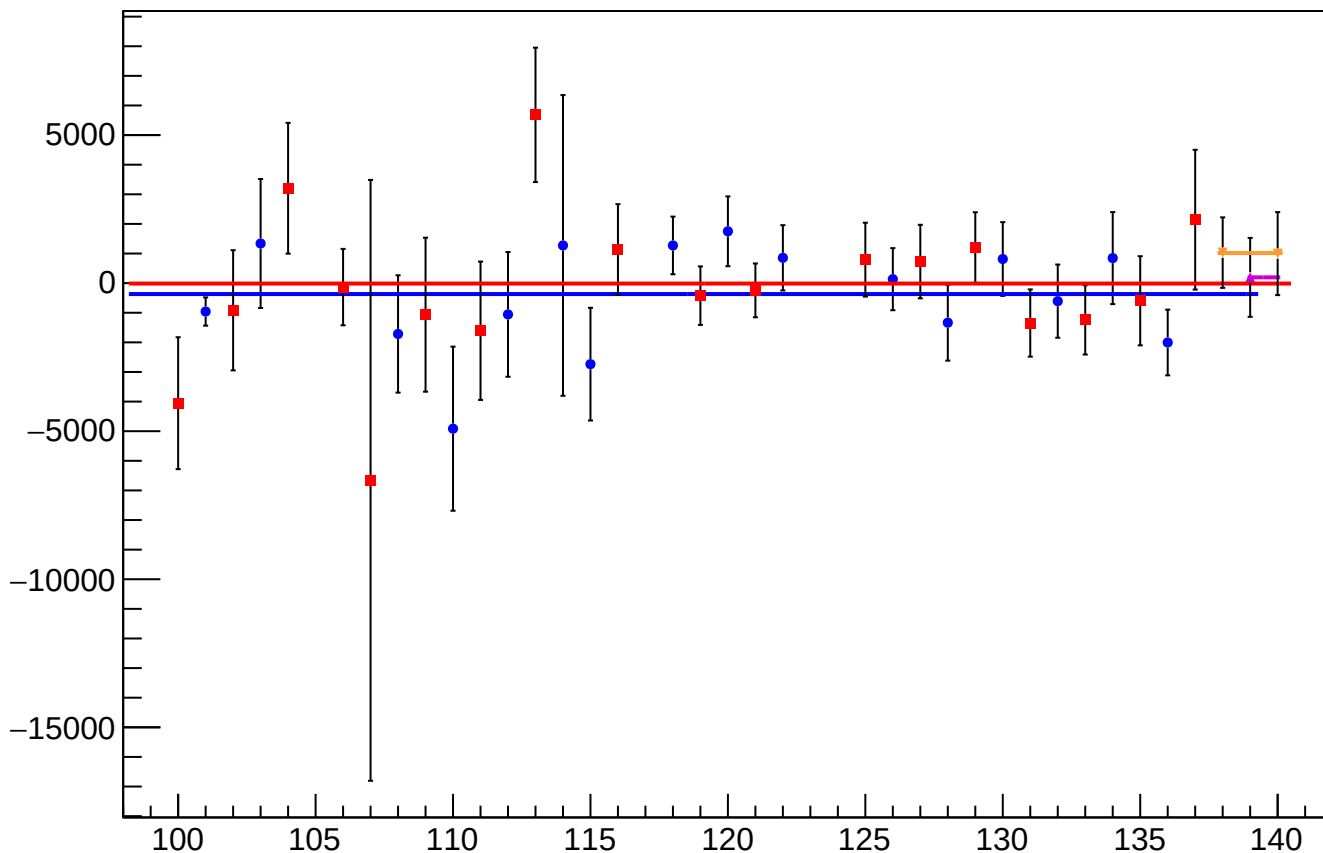
Left In: 1477.078+/-1.135 χ^2/NDF : 0.0/0

+ sign 1534.113+/-0.366 χ^2/NDF : 125925.0/17

All: 1566.429+/-0.270 χ^2/NDF : 369165.4/36

- sign 1605.159+/-0.400 χ^2/NDF : 226063.1/18

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -368.707 $\pm$ 286.576 χ^2 /NDF: 18.9/15

Left Out: 1016.365 $\pm$ 907.296 χ^2 /NDF:0.0/1

Right Out: -13.730 $\pm$ 341.568 χ^2 /NDF: 19.1/17

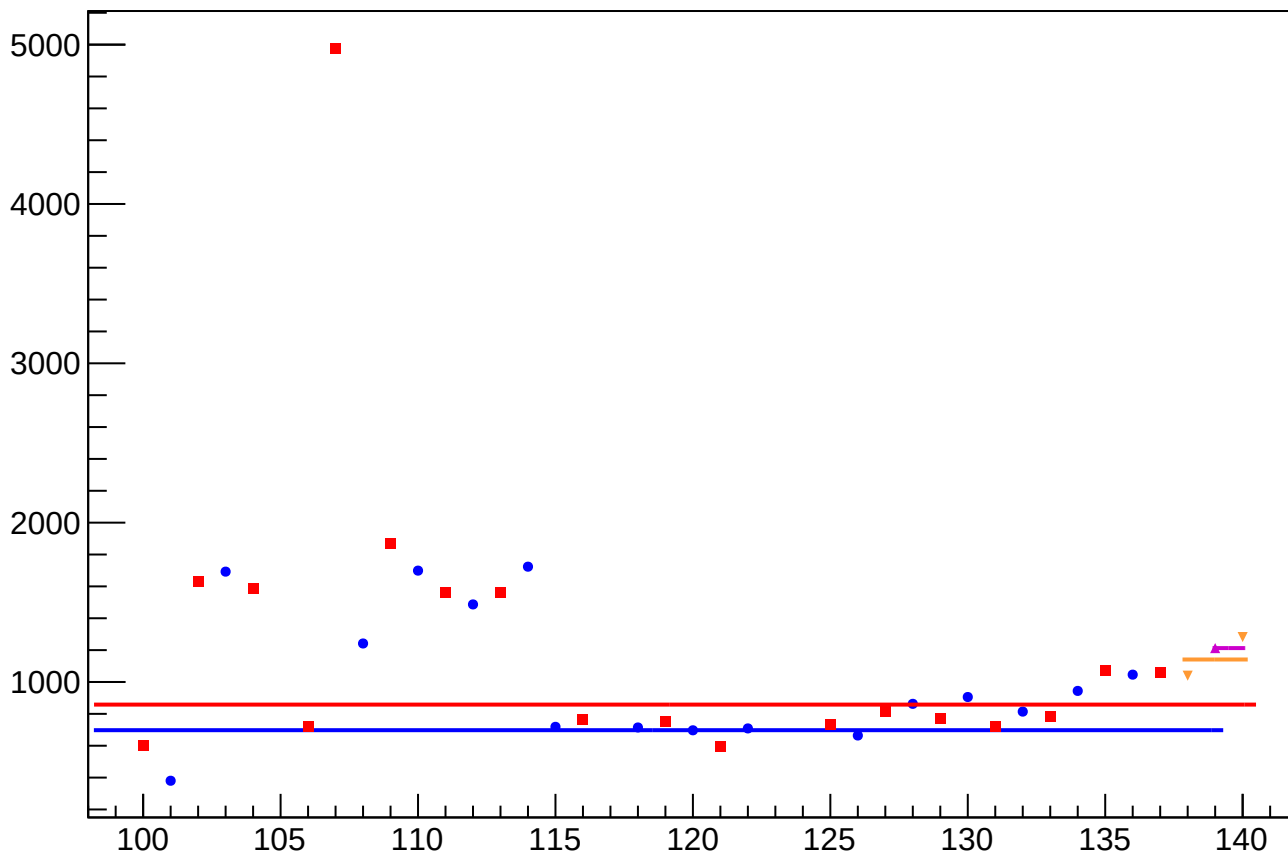
Left In: 194.936 $\pm$ 1332.965 χ^2 /NDF:0.0/0

+ sign -243.059 $\pm$ 273.269 χ^2 /NDF: 21.0/17

All: -144.852 $\pm$ 210.700 χ^2 /NDF: 40.4/36

- sign -0.873 $\pm$ 330.878 χ^2 /NDF: 19.1/18

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435593.9/15

Left Out: 1141.155+/-0.642 χ^2/NDF : 34775.0/1

Right Out: 858.094+/-0.242 χ^2/NDF : 1882174.1/17

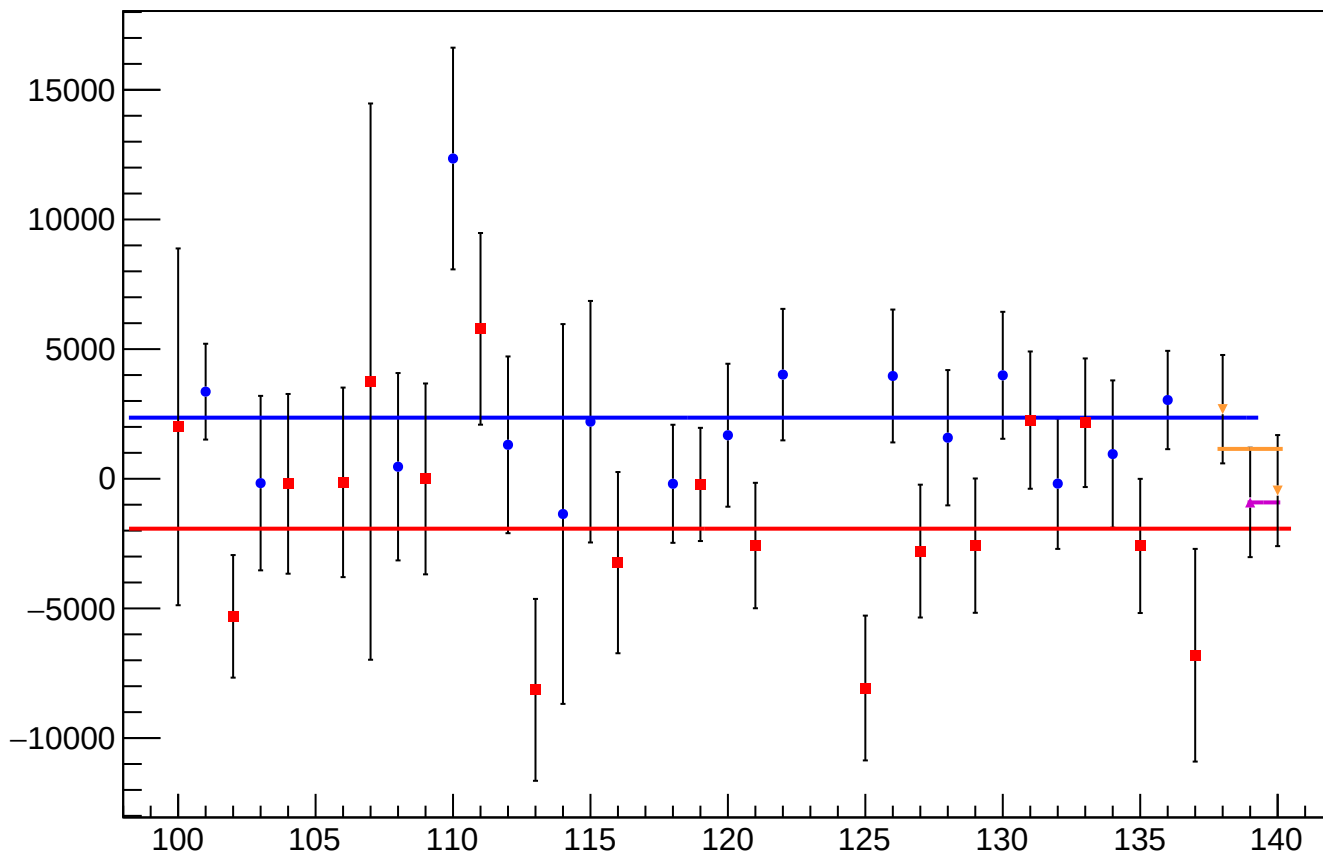
Left In: 1212.744+/-0.943 χ^2/NDF : 0.0/0

+ sign 737.762+/-0.193 χ^2/NDF : 2905169.7/17

All: 795.418+/-0.149 χ^2/NDF : 5139755.0/36

- sign 879.946+/-0.234 χ^2/NDF : 2015027.9/18

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998 $\pm$ 678.944 χ^2 /NDF: 11.0/15

Left Out: 1151.887 $\pm$ 1495.957 χ^2 /NDF:1.1/1

Right Out: -1924.824 $\pm$ 706.809 χ^2 /NDF: 23.4/17

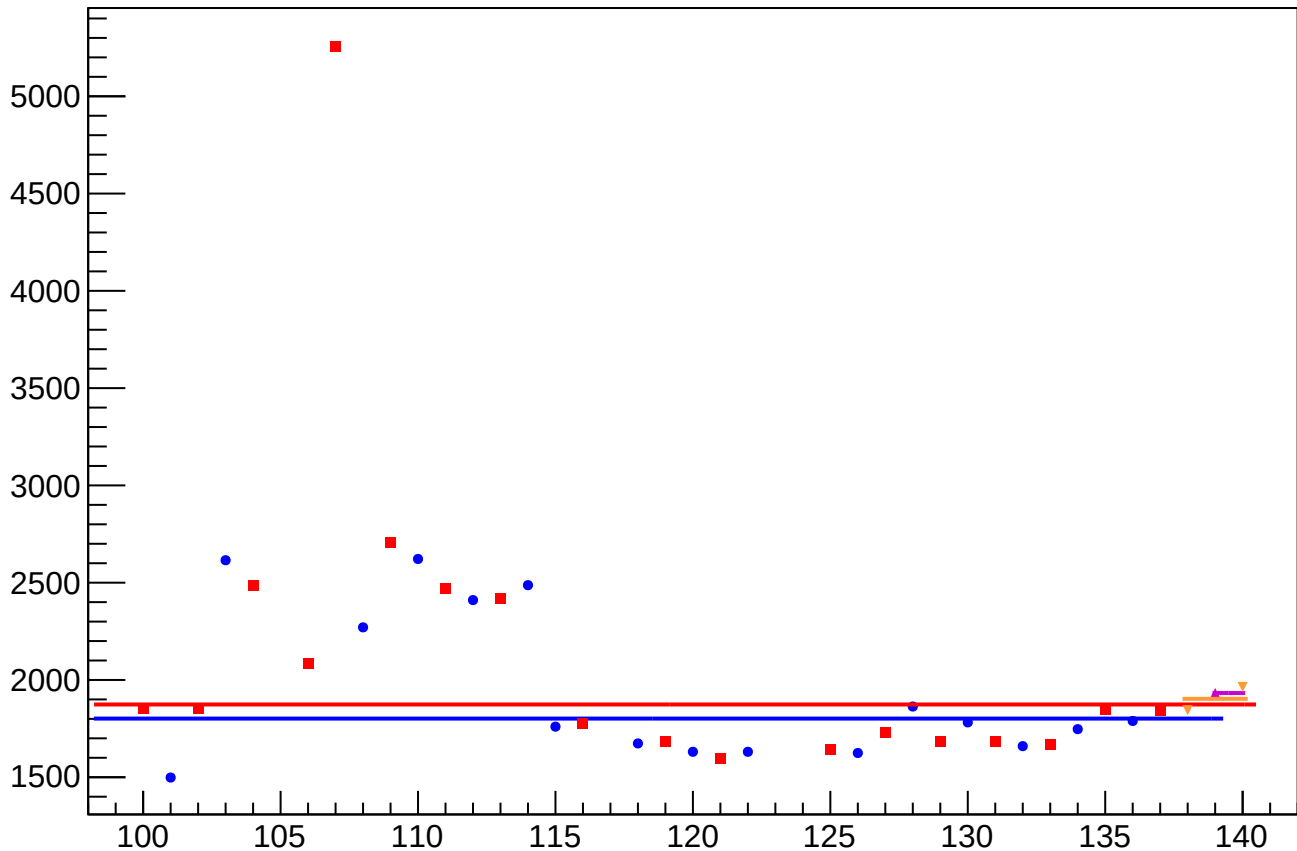
Left In: -912.451 $\pm$ 2109.910 χ^2 /NDF:0.0/0

+ sign 2151.165 $\pm$ 618.249 χ^2 /NDF: 12.7/17

All: 324.221 $\pm$ 454.427 χ^2 /NDF: 55.3/36

- sign -1822.677 $\pm$ 670.203 χ^2 /NDF: 23.6/18

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF : 400702.5/15

Left Out: 1903.095+/-1.058 χ^2/NDF :3181.7/1

Right Out: 1873.976+/-0.500 χ^2/NDF : 569909.0/17

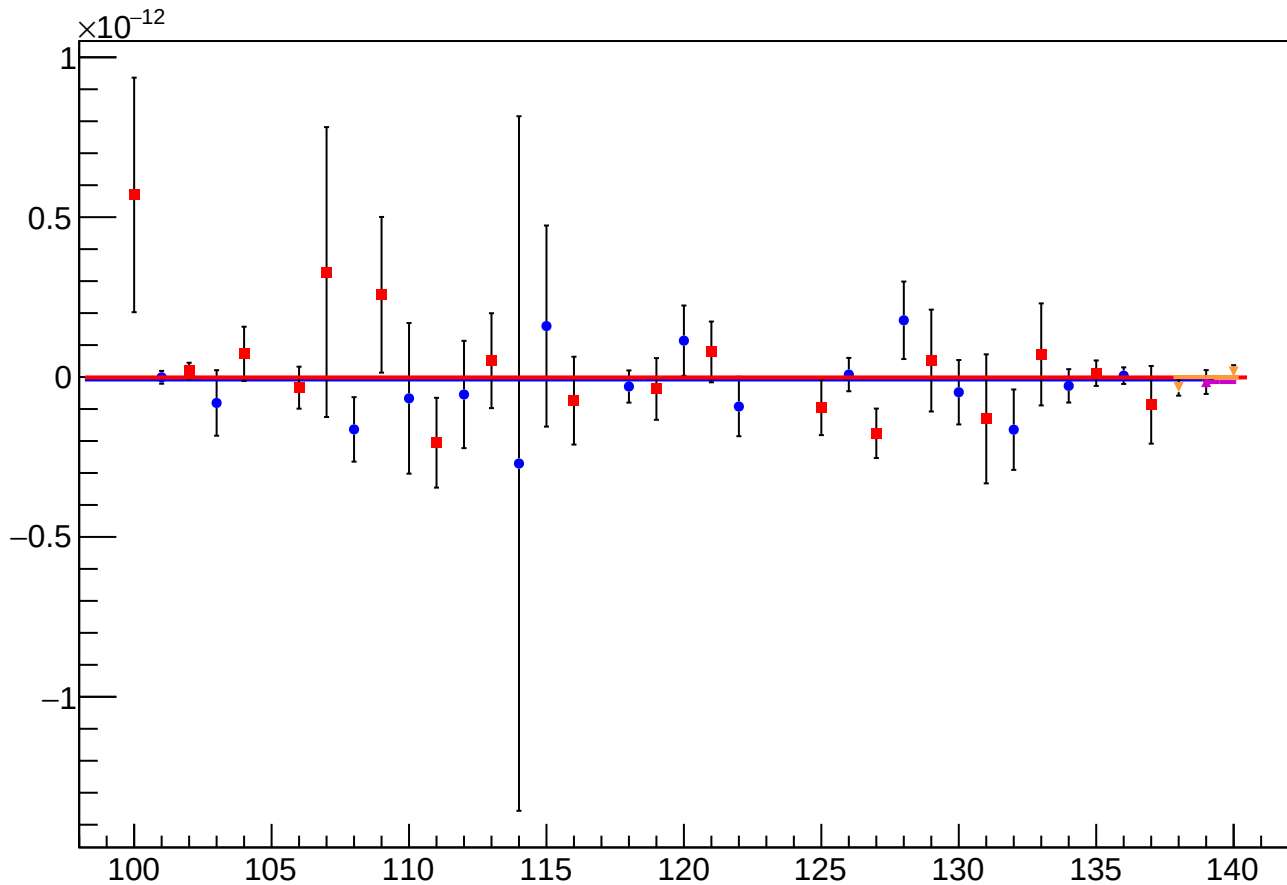
Left In: 1932.836+/-1.492 χ^2/NDF :0.0/0

+ sign 1818.876+/-0.437 χ^2/NDF : 411528.8/17

All: 1846.938+/-0.321 χ^2/NDF : 991799.7/36

- sign 1879.915+/-0.474 χ^2/NDF : 571308.4/18

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 : 2.1/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.7/17

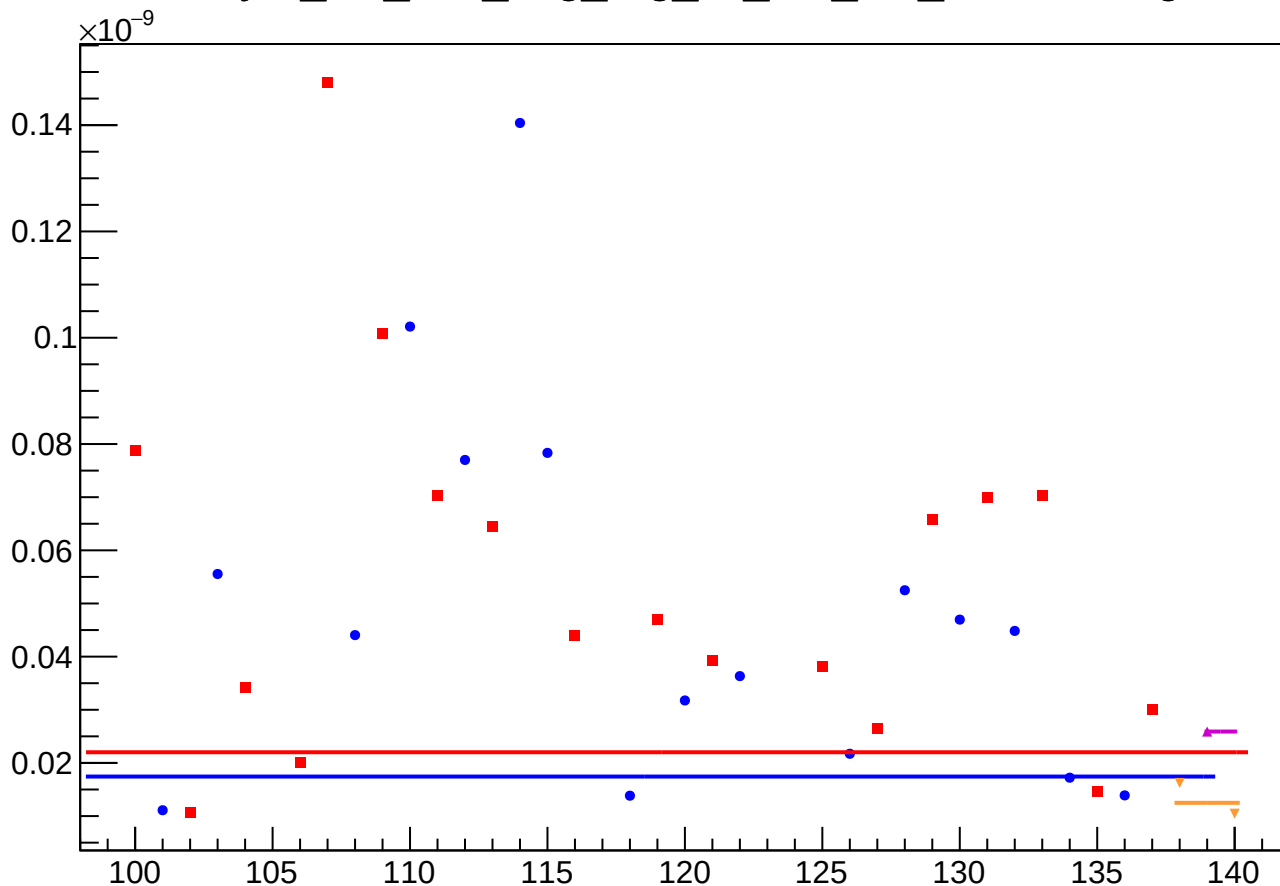
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 12.5/17

All: -0.000 ± 0.000 χ^2/NDF : 29.3/36

- sign -0.000 ± 0.000 χ^2/NDF : 16.8/18

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 59856.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2098640.3/17

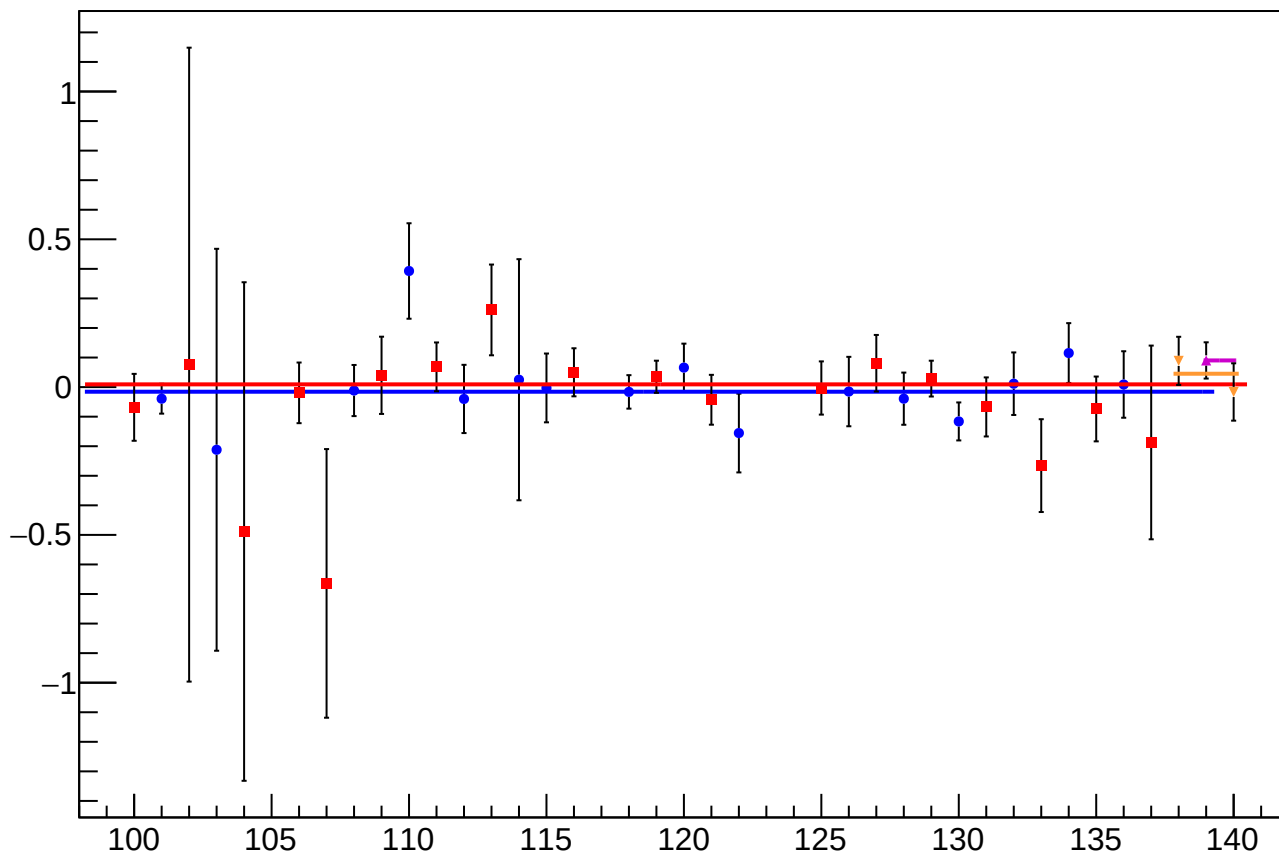
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2013904.1/17

All: 0.000+/-0.000 χ^2/NDF : 4433854.0/36

- sign 0.000+/-0.000 χ^2/NDF : 2116668.7/18

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 $\chi^2/\text{NDF}: 13.2/15$

Left Out: 0.045 ± 0.062 $\chi^2/\text{NDF}: 0.7/1$

Right Out: 0.009 ± 0.024 $\chi^2/\text{NDF}: 12.5/17$

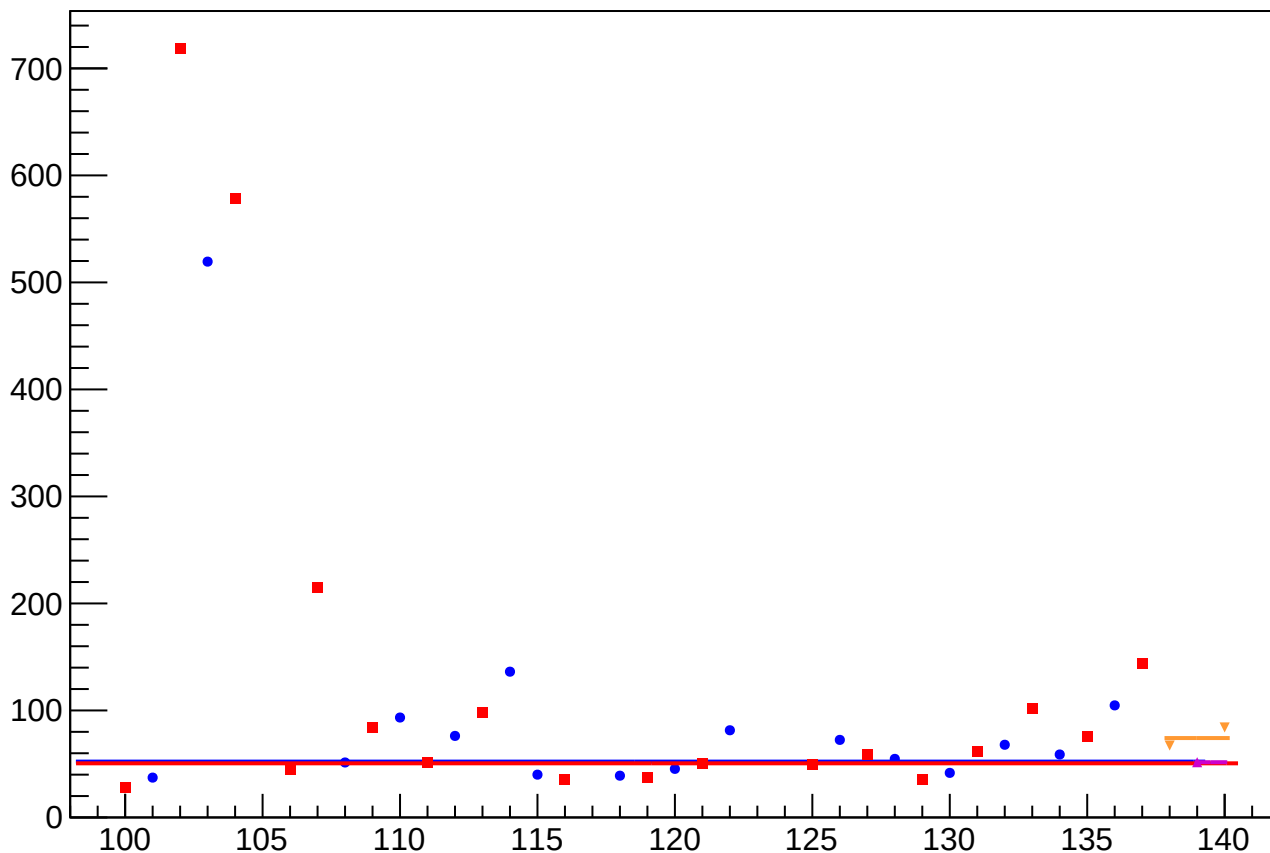
Left In: 0.090 ± 0.061 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.009 ± 0.021 $\chi^2/\text{NDF}: 14.7/17$

All: 0.005 ± 0.015 $\chi^2/\text{NDF}: 29.6/36$

- sign 0.020 ± 0.022 $\chi^2/\text{NDF}: 14.0/18$

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: 74.199+/-0.044 χ^2/NDF : 35543.7/1

Right Out: 50.582+/-0.017 χ^2/NDF : 3051379.6/17

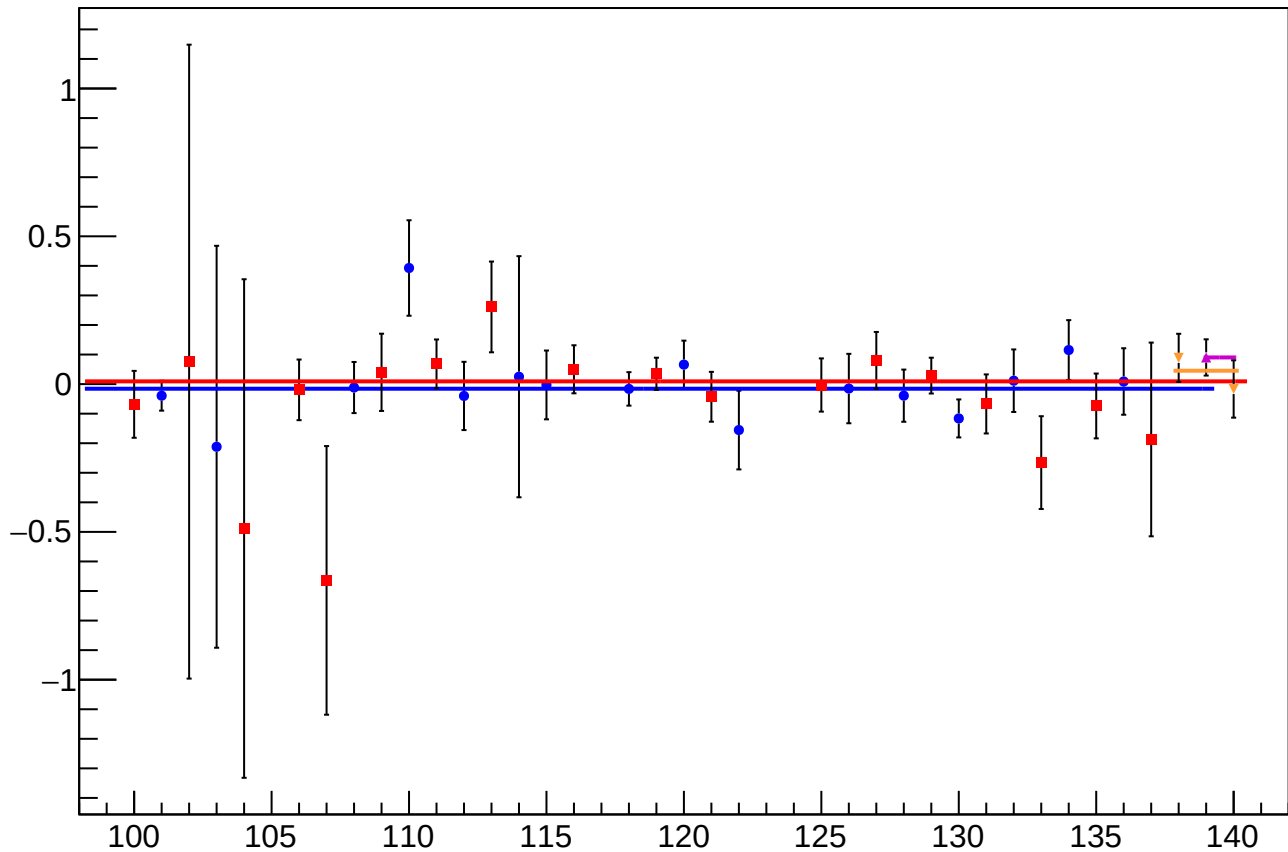
Left In: 51.628+/-0.043 χ^2/NDF : 0.0/0

+ sign 54.752+/-0.015 χ^2/NDF : 2522404.0/17

All: 52.803+/-0.011 χ^2/NDF : 5609014.3/36

- sign 50.717+/-0.016 χ^2/NDF : 3051887.0/18

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 $\chi^2/\text{NDF}: 13.2/15$

Left Out: 0.045 ± 0.062 $\chi^2/\text{NDF}: 0.7/1$

Right Out: 0.009 ± 0.024 $\chi^2/\text{NDF}: 12.5/17$

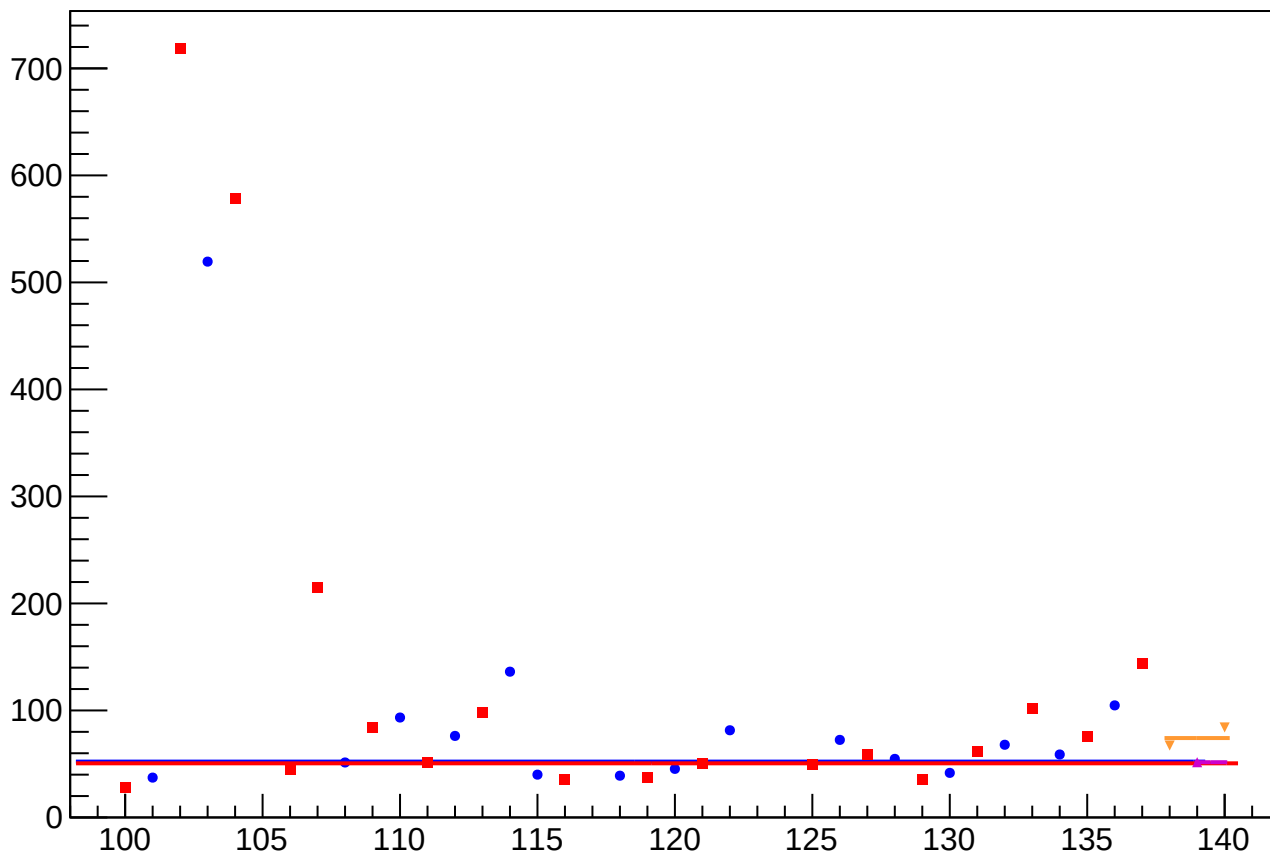
Left In: 0.090 ± 0.061 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.009 ± 0.021 $\chi^2/\text{NDF}: 14.7/17$

All: 0.005 ± 0.015 $\chi^2/\text{NDF}: 29.6/36$

- sign 0.020 ± 0.022 $\chi^2/\text{NDF}: 14.0/18$

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: 74.199+/-0.044 χ^2/NDF : 35543.7/1

Right Out: 50.582+/-0.017 χ^2/NDF : 3051379.6/17

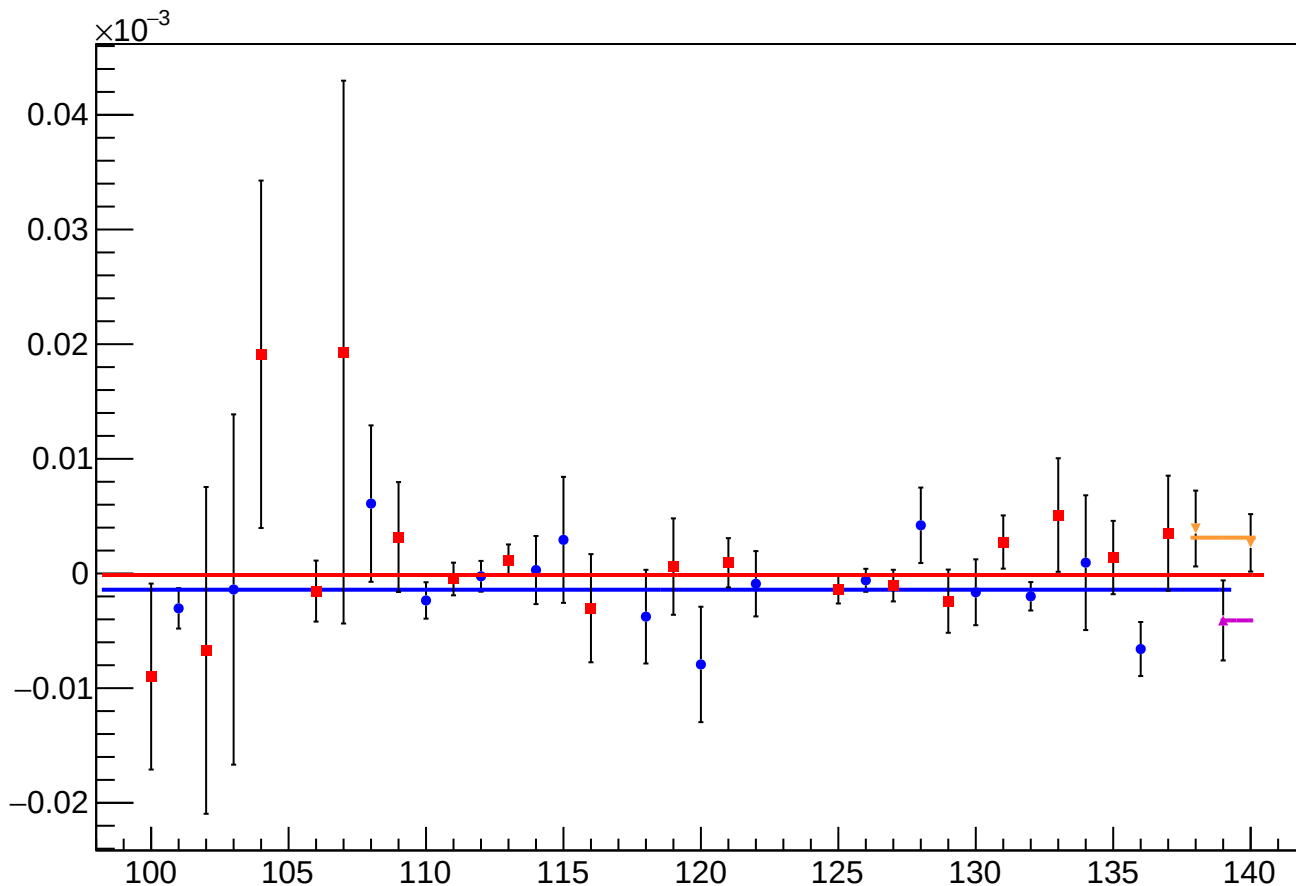
Left In: 51.628+/-0.043 χ^2/NDF : 0.0/0

+ sign 54.752+/-0.015 χ^2/NDF : 2522404.0/17

All: 52.803+/-0.011 χ^2/NDF : 5609014.3/36

- sign 50.717+/-0.016 χ^2/NDF : 3051887.0/18

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/17

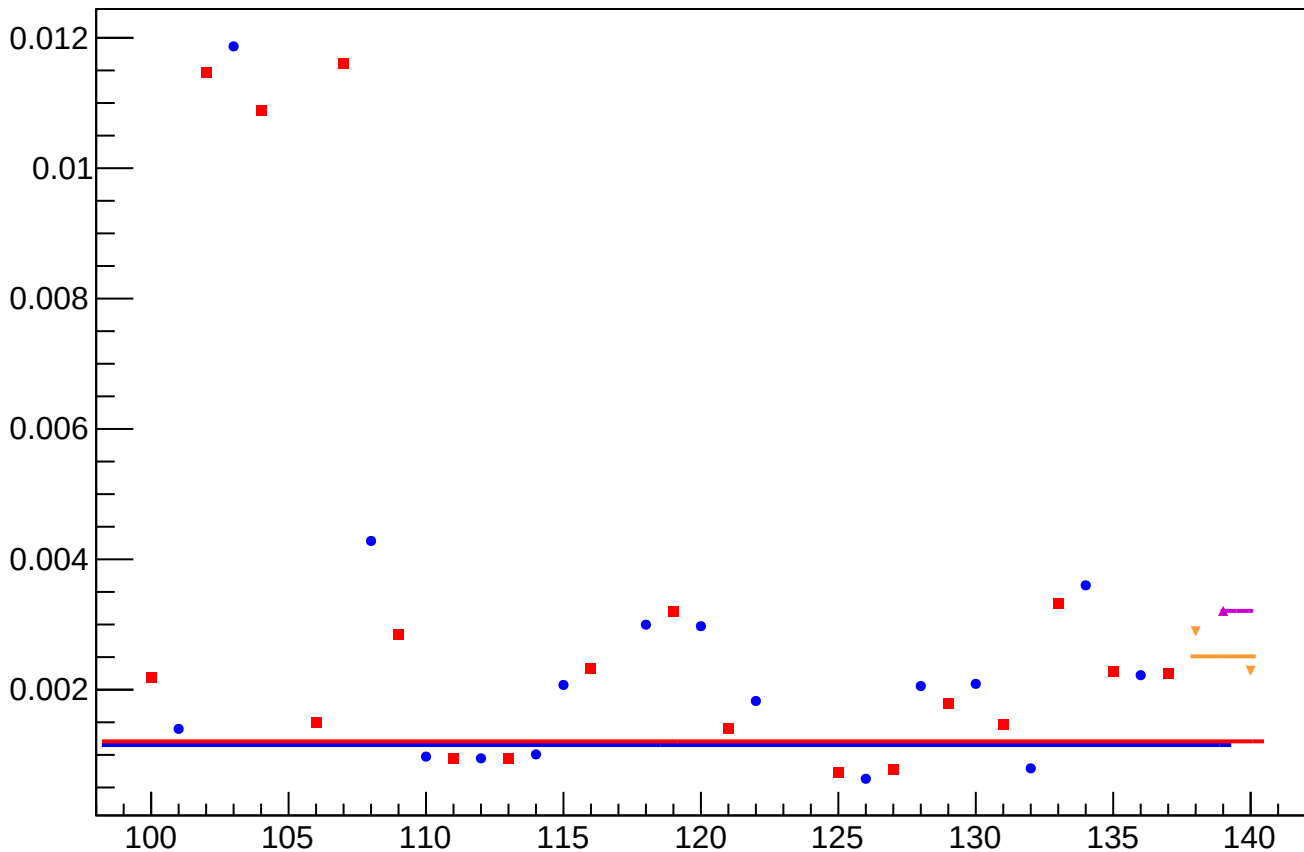
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.2/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.8/18

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 4187928.7/15

Left Out: 0.003+/-0.000 χ^2/NDF : 42419.4/1

Right Out: 0.001+/-0.000 χ^2/NDF : 4521920.0/17

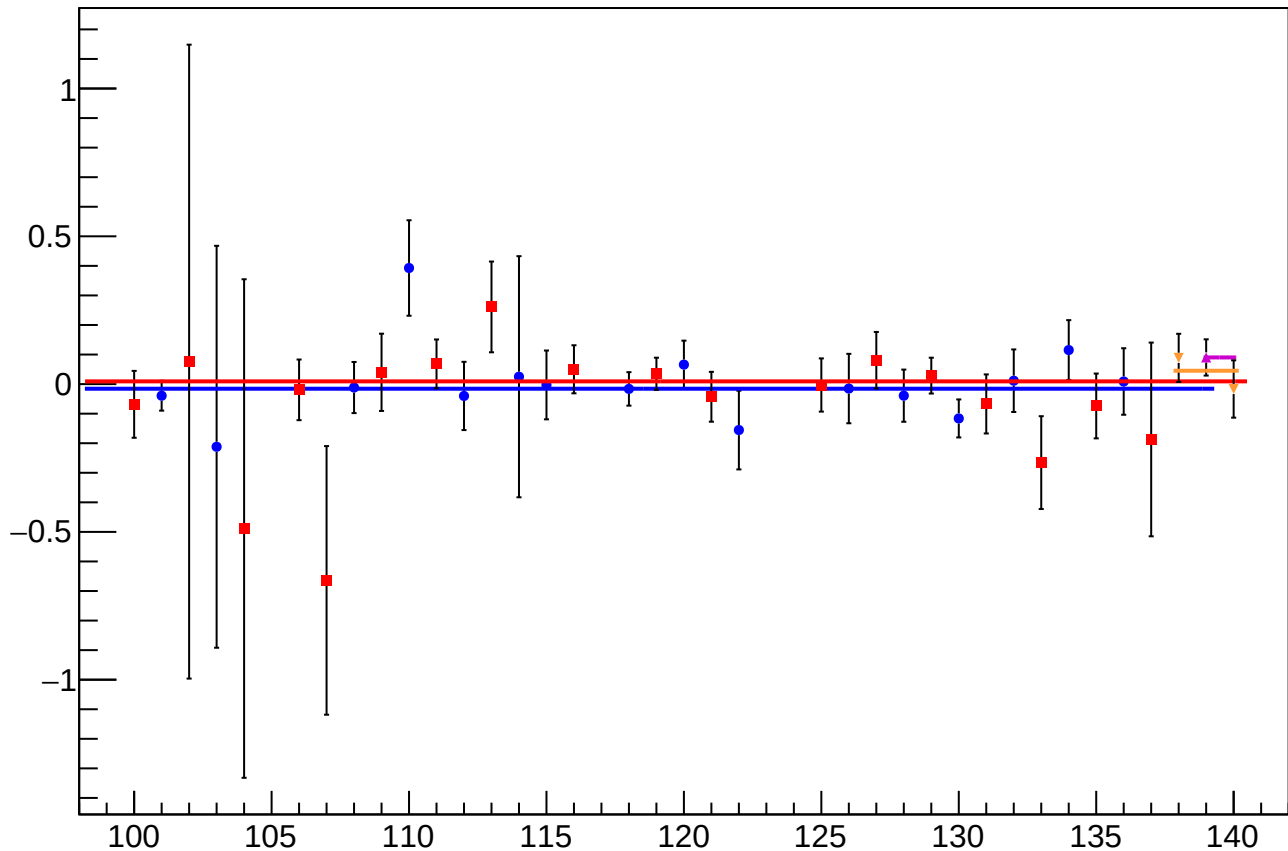
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 5099755.5/17

All: 0.001+/-0.000 χ^2/NDF : 10264421.6/36

- sign 0.001+/-0.000 χ^2/NDF : 5163213.4/18

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 χ^2/NDF : 13.2/15

Left Out: 0.045 ± 0.062 χ^2/NDF : 0.7/1

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

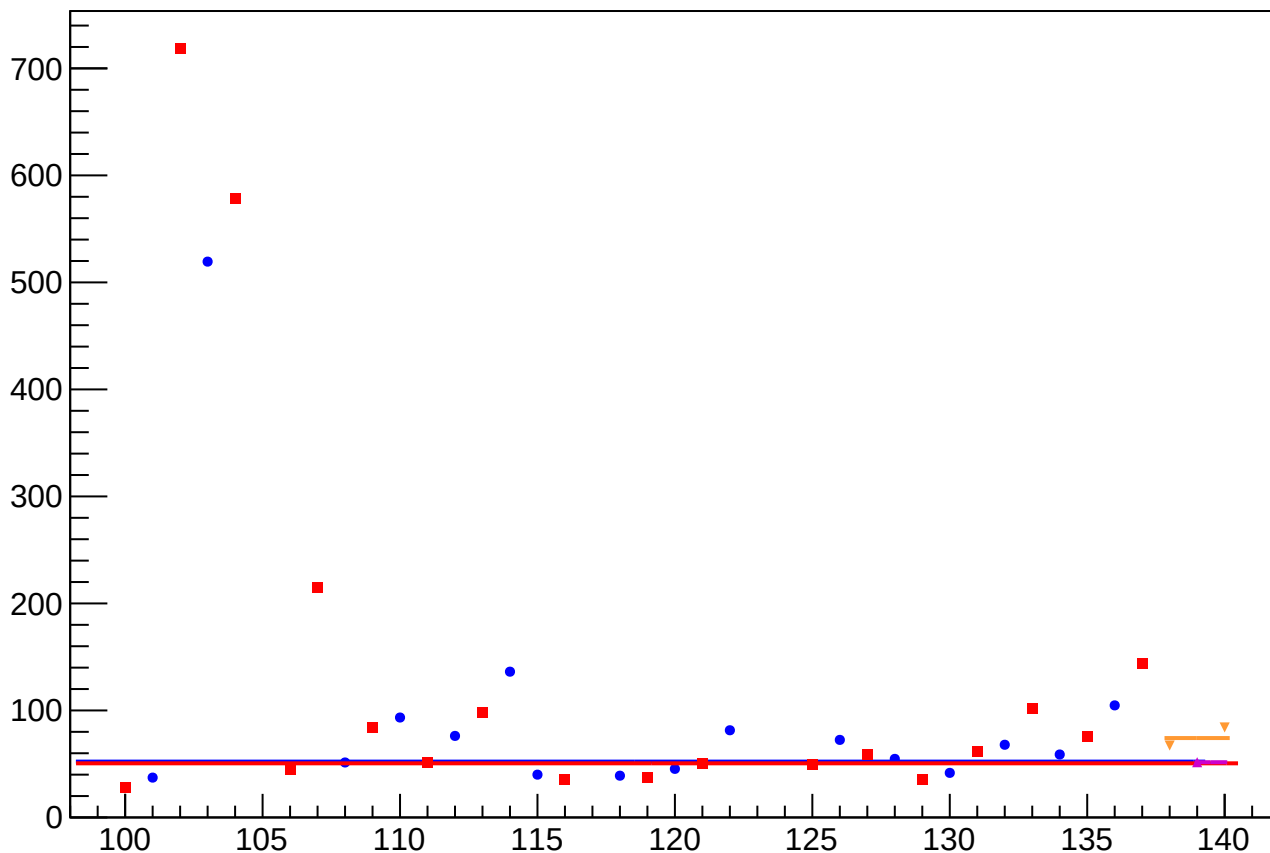
Left In: 0.090 ± 0.061 χ^2/NDF : 0.0/0

+ sign -0.009 ± 0.021 χ^2/NDF : 14.7/17

All: 0.005 ± 0.015 χ^2/NDF : 29.6/36

- sign 0.020 ± 0.022 χ^2/NDF : 14.0/18

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191 $\pm$ 0.016 χ^2 /NDF: 2266922.0/15

Left Out: 74.199 $\pm$ 0.044 χ^2 /NDF: 35543.5/1

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051364.2/17

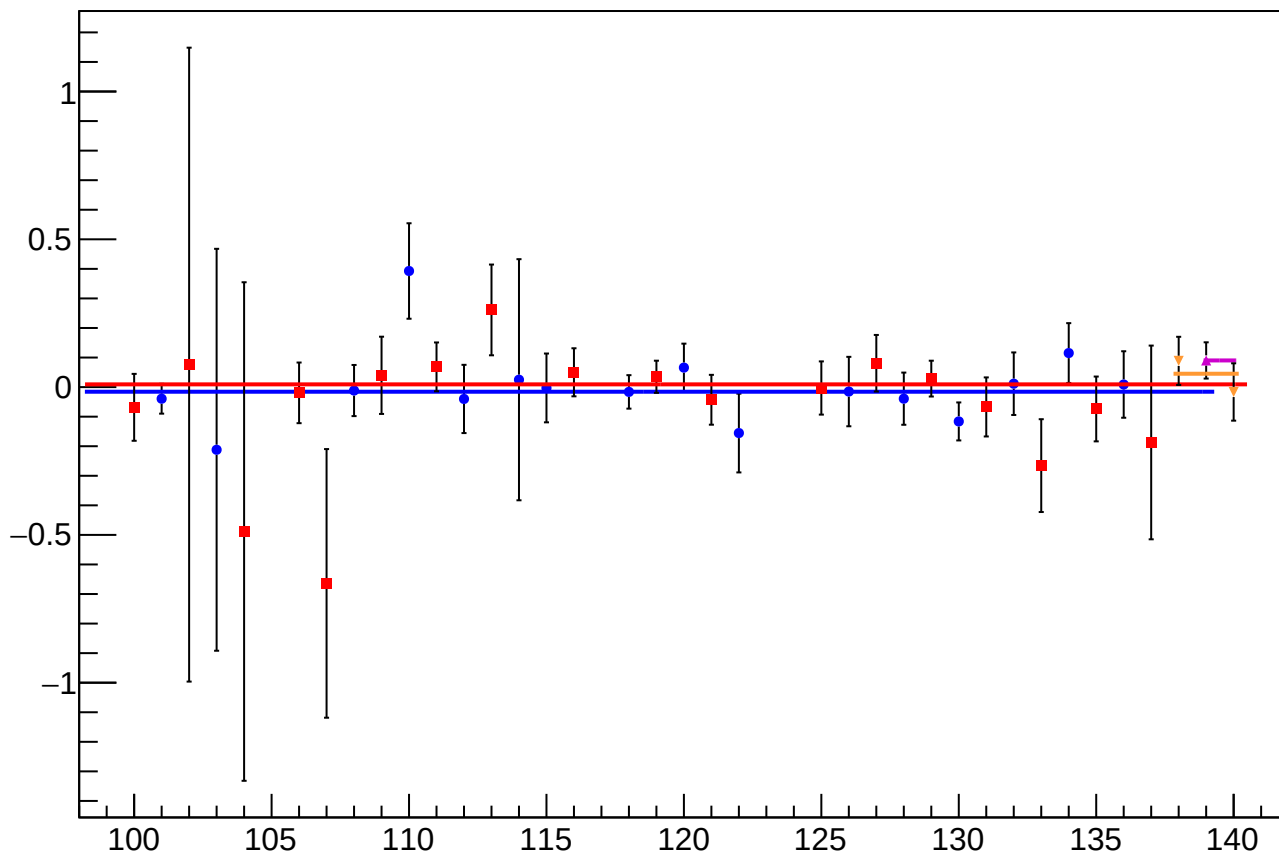
Left In: 51.628 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 54.752 $\pm$ 0.015 χ^2 /NDF: 2522393.7/17

All: 52.803 $\pm$ 0.011 χ^2 /NDF: 5608990.4/36

- sign 50.717 $\pm$ 0.016 χ^2 /NDF: 3051871.8/18

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 χ^2/NDF : 13.2/15

Left Out: 0.045 ± 0.062 χ^2/NDF : 0.7/1

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

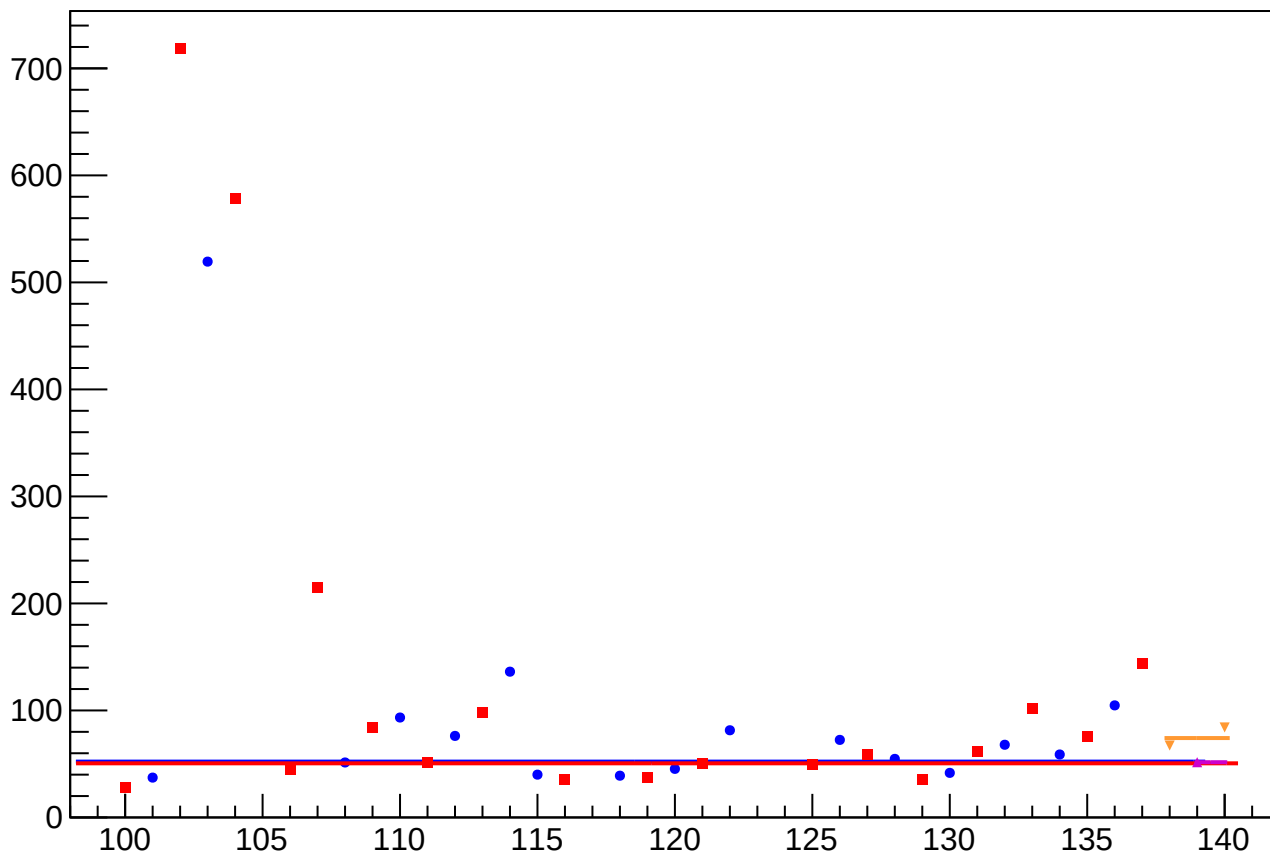
Left In: 0.090 ± 0.061 χ^2/NDF : 0.0/0

+ sign -0.009 ± 0.021 χ^2/NDF : 14.7/17

All: 0.005 ± 0.015 χ^2/NDF : 29.6/36

- sign 0.020 ± 0.022 χ^2/NDF : 14.0/18

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191 $\pm$ 0.016 χ^2 /NDF: 2266922.0/15

Left Out: 74.199 $\pm$ 0.044 χ^2 /NDF: 35543.5/1

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051364.2/17

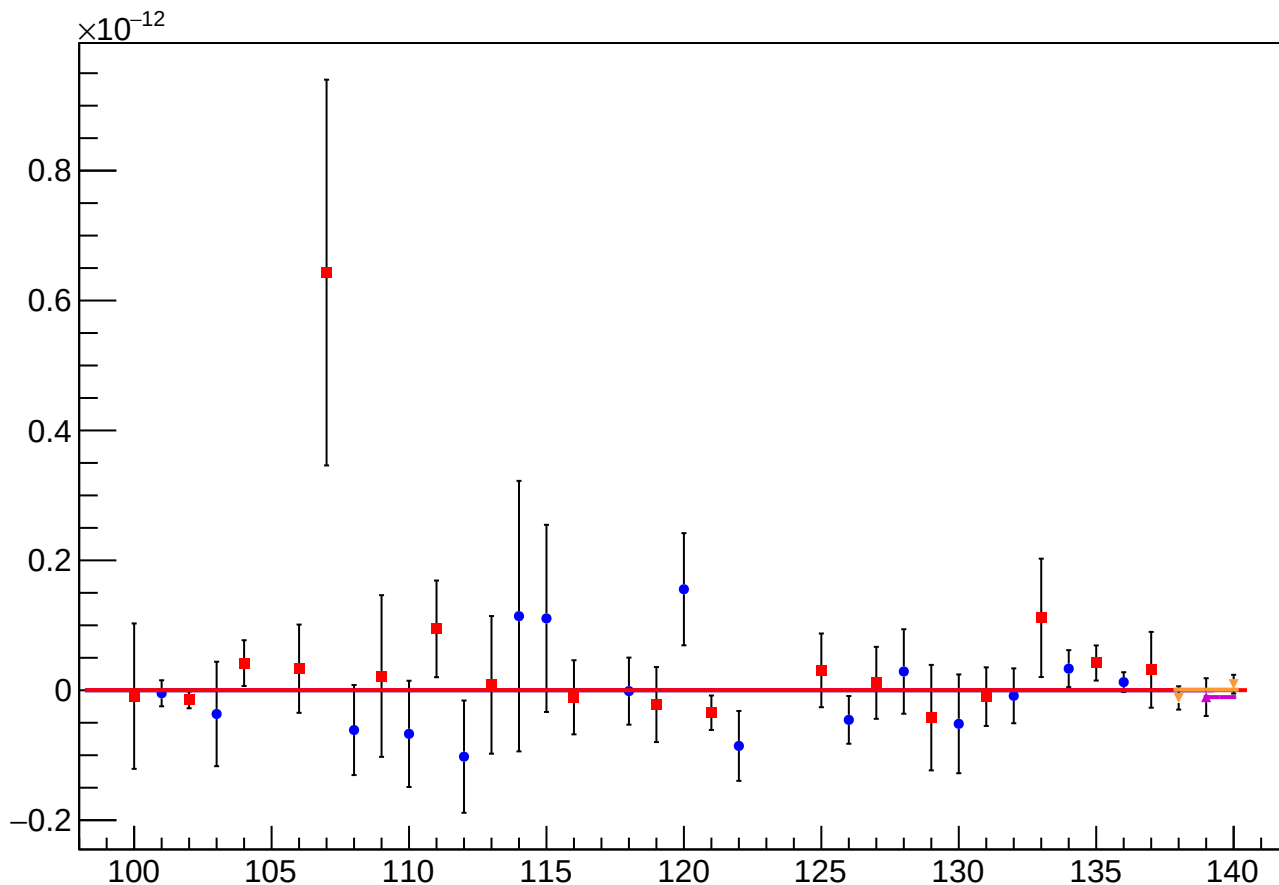
Left In: 51.628 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 54.752 $\pm$ 0.015 χ^2 /NDF: 2522393.7/17

All: 52.803 $\pm$ 0.011 χ^2 /NDF: 5608990.4/36

- sign 50.717 $\pm$ 0.016 χ^2 /NDF: 3051871.8/18

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/17

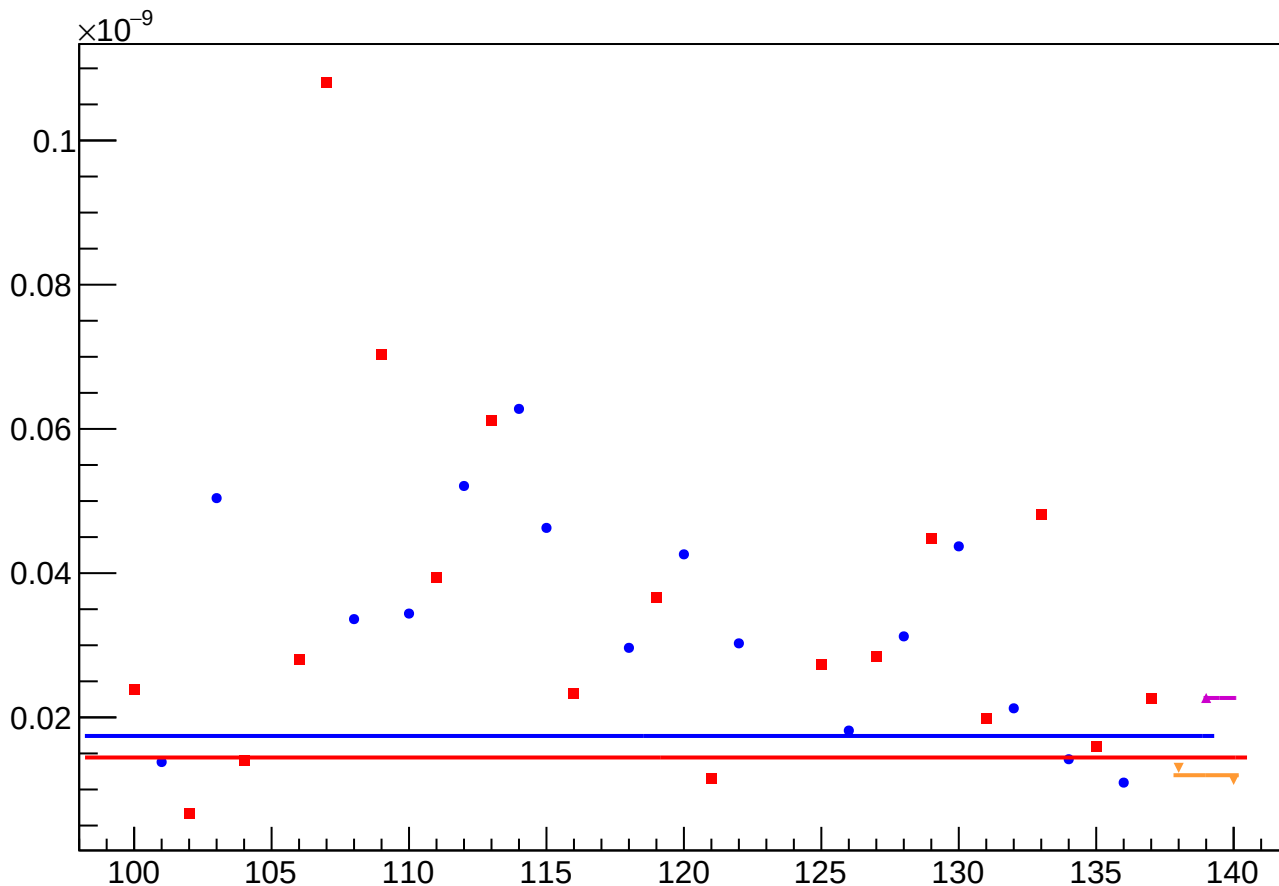
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.1/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/18

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 10622.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3261103.3/17

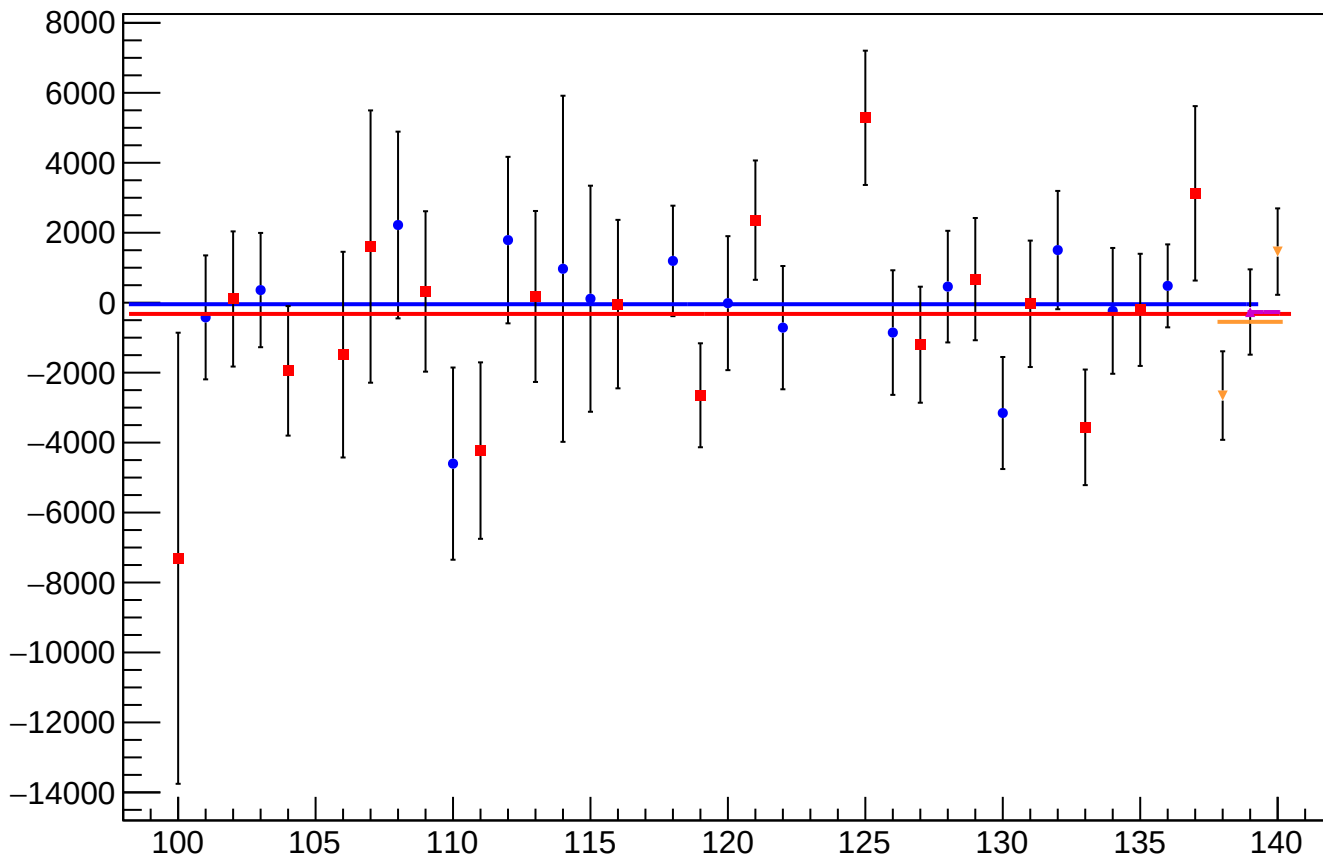
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2510735.8/17

All: 0.000+/-0.000 χ^2/NDF : 5919207.1/36

- sign 0.000+/-0.000 χ^2/NDF : 3408450.1/18

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -547.593 ± 884.216 χ^2/NDF : 5.4/1

Right Out: -321.266 ± 474.939 χ^2/NDF : 24.8/17

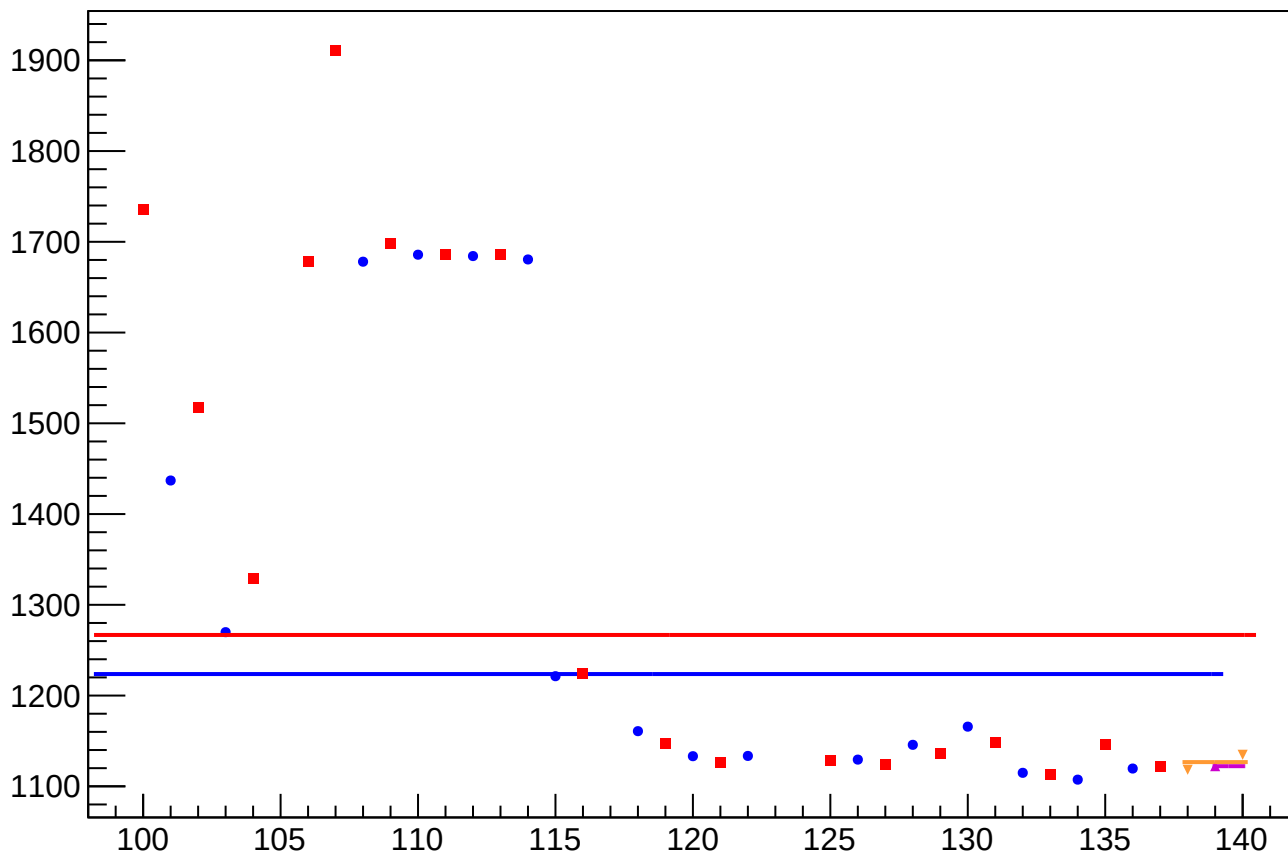
Left In: -266.622 ± 1219.722 χ^2/NDF : 0.0/0

+ sign -150.727 ± 407.537 χ^2/NDF : 15.8/17

All: -225.679 ± 299.794 χ^2/NDF : 40.6/36

- sign -314.072 ± 442.572 χ^2/NDF : 24.8/18

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1126.693 $\pm$ 0.625 χ^2 /NDF: 174.1/1

Right Out: 1266.780 $\pm$ 0.336 χ^2 /NDF: 432845.4/17

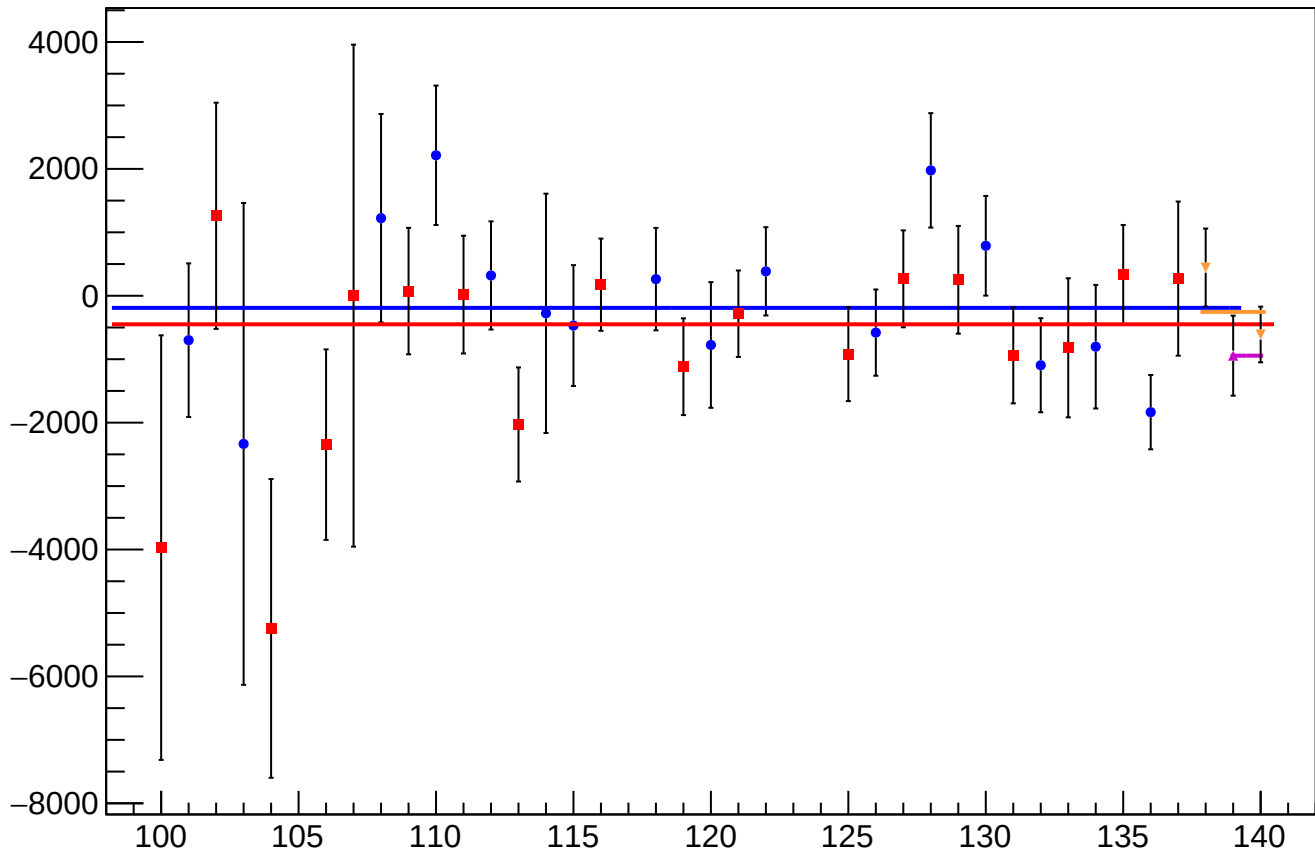
Left In: 1122.198 $\pm$ 0.862 χ^2 /NDF: 0.0/0

+ sign 1203.097 $\pm$ 0.288 χ^2 /NDF: 314100.7/17

All: 1223.584 $\pm$ 0.212 χ^2 /NDF: 782362.7/36

- sign 1247.744 $\pm$ 0.313 χ^2 /NDF: 457247.4/18

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2 /NDF: 25.2/15

Left Out: -254.491+/-357.174 χ^2 /NDF:1.9/1

Right Out: -449.847+/-223.203 χ^2 /NDF: 16.8/17

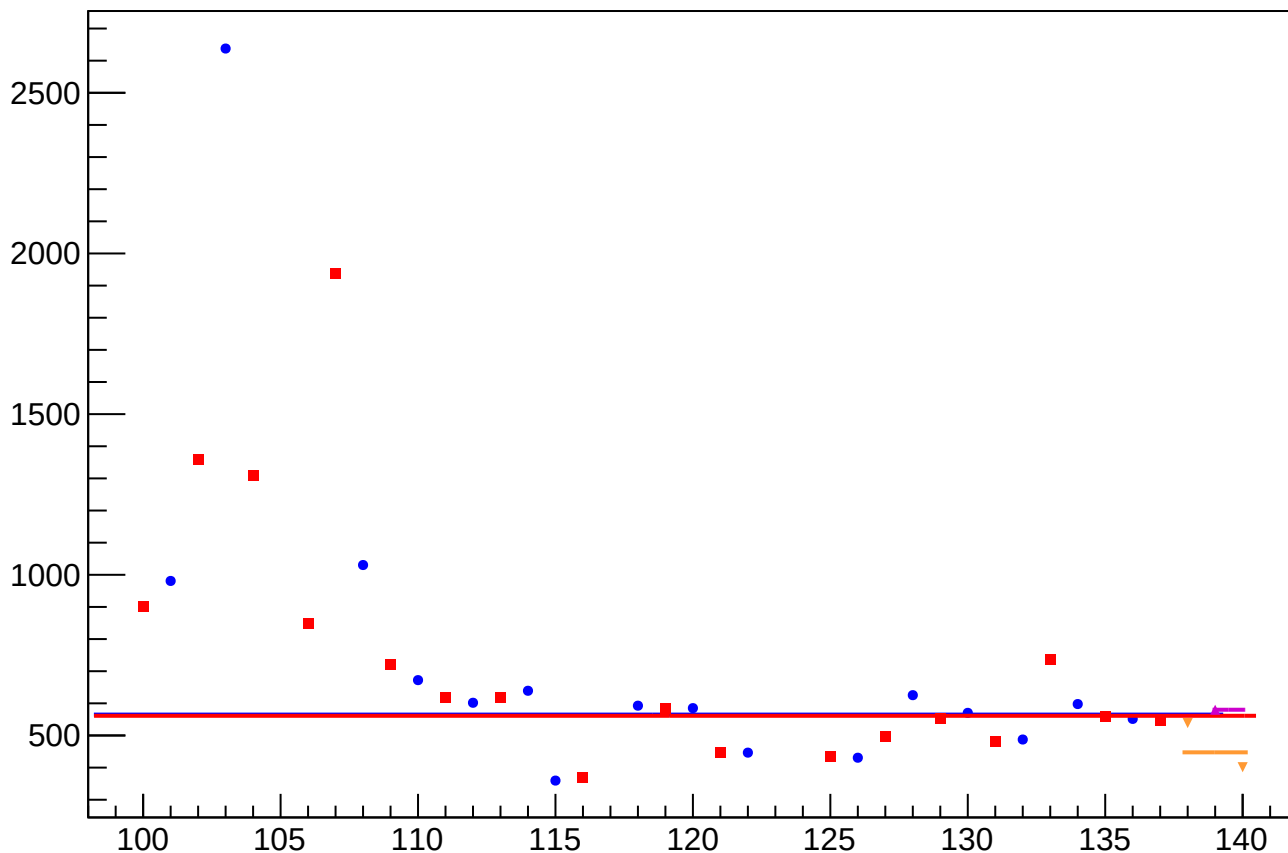
Left In: -944.171+/-630.964 χ^2 /NDF:0.0/0

+ sign -208.530+/-189.079 χ^2 /NDF: 27.2/17

All: -340.892+/-140.642 χ^2 /NDF: 45.7/36

- sign -504.826+/-210.425 χ^2 /NDF: 17.4/18

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959 $\pm$ 0.158 χ^2 /NDF: 1284478.9/15

Left Out: 447.506 $\pm$ 0.253 χ^2 /NDF: 66078.9/1

Right Out: 561.243 $\pm$ 0.158 χ^2 /NDF: 1352239.3/17

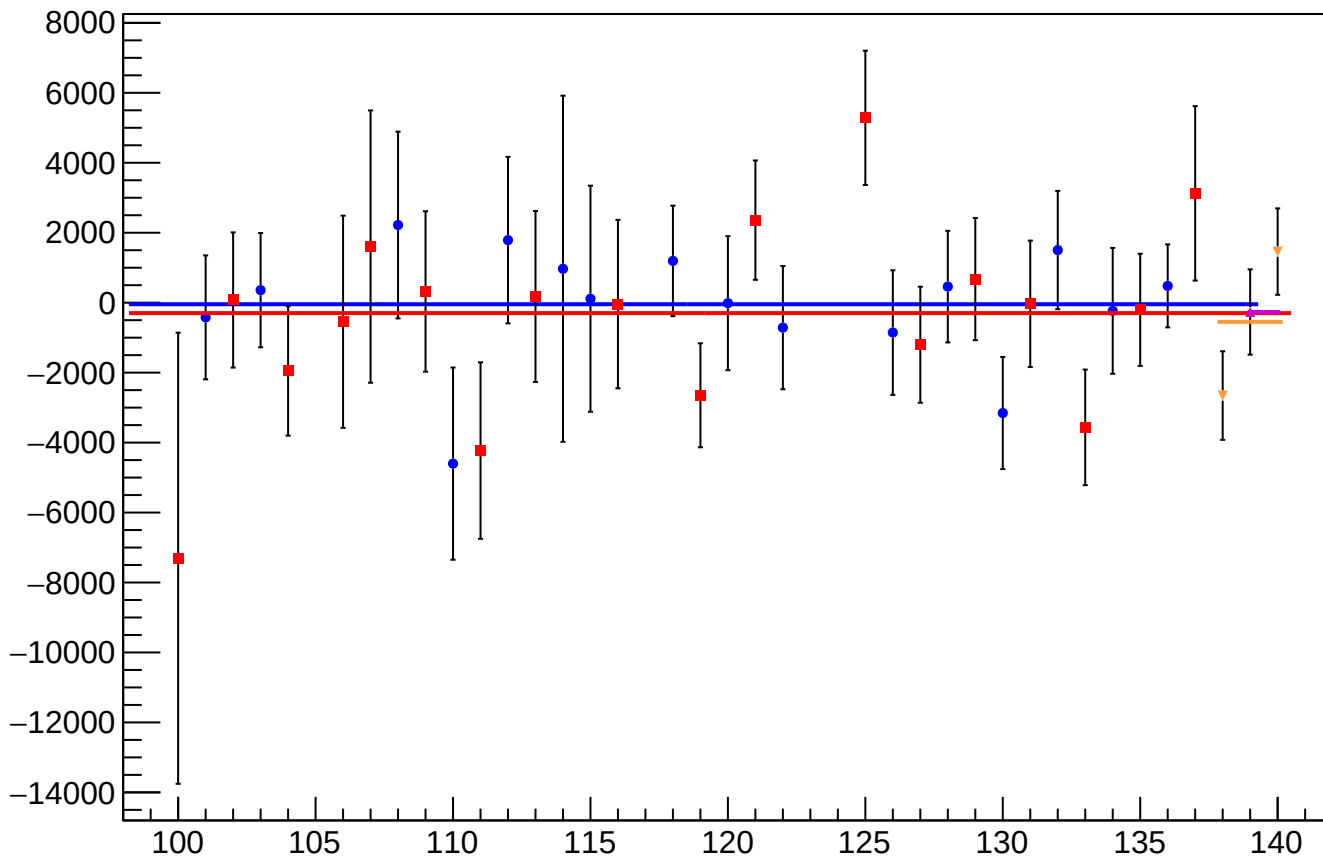
Left In: 580.078 $\pm$ 0.446 χ^2 /NDF: 0.0/0

+ sign 532.044 $\pm$ 0.134 χ^2 /NDF: 1506220.4/17

All: 546.024 $\pm$ 0.099 χ^2 /NDF: 2884517.7/36

- sign 563.338 $\pm$ 0.149 χ^2 /NDF: 1353823.1/18

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -547.521 ± 884.216 χ^2/NDF : 5.4/1

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

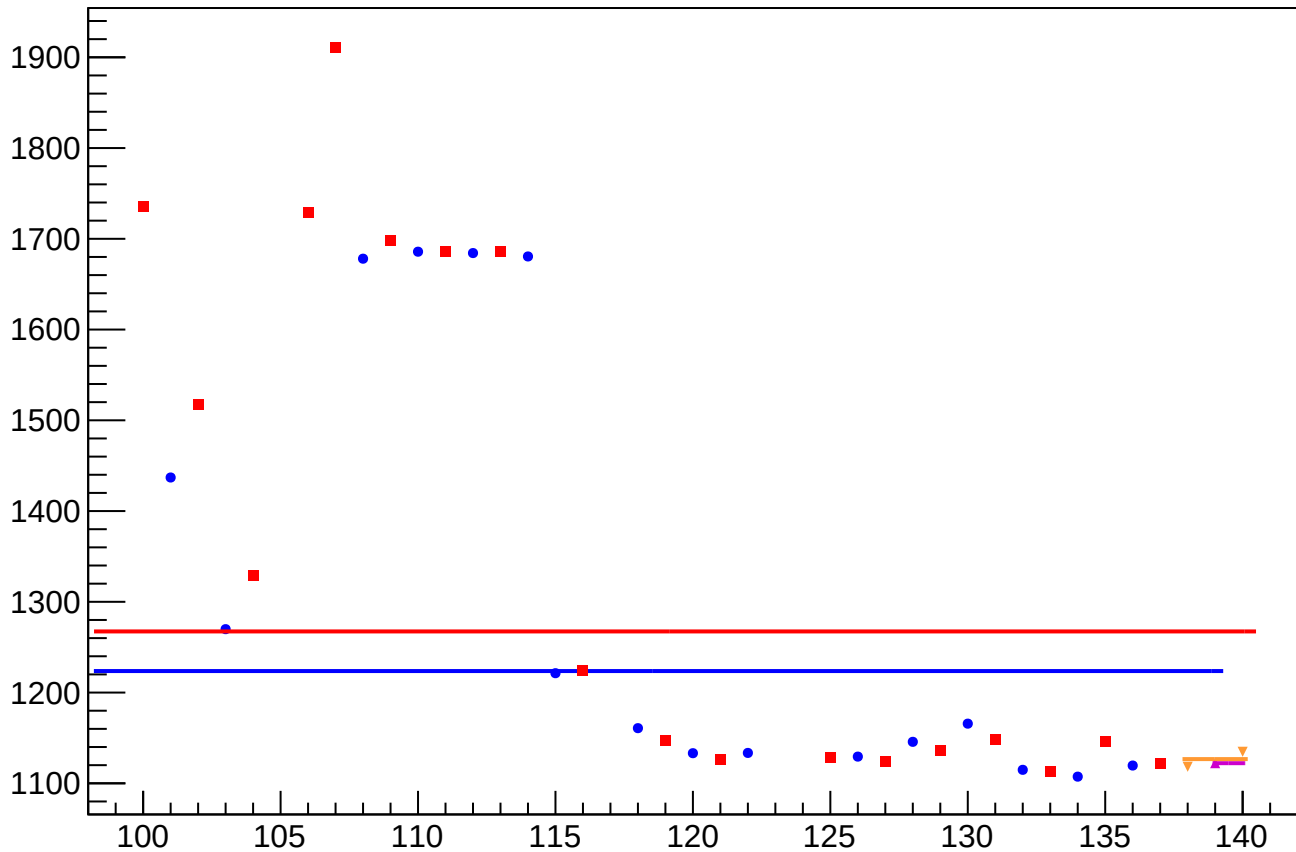
Left In: -266.377 ± 1219.722 χ^2/NDF : 0.0/0

+ sign -150.902 ± 407.537 χ^2/NDF : 15.8/17

All: -216.520 ± 299.888 χ^2/NDF : 40.4/36

- sign -294.011 ± 442.876 χ^2/NDF : 24.6/18

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1126.693 $\pm$ 0.625 χ^2 /NDF:174.1/1

Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

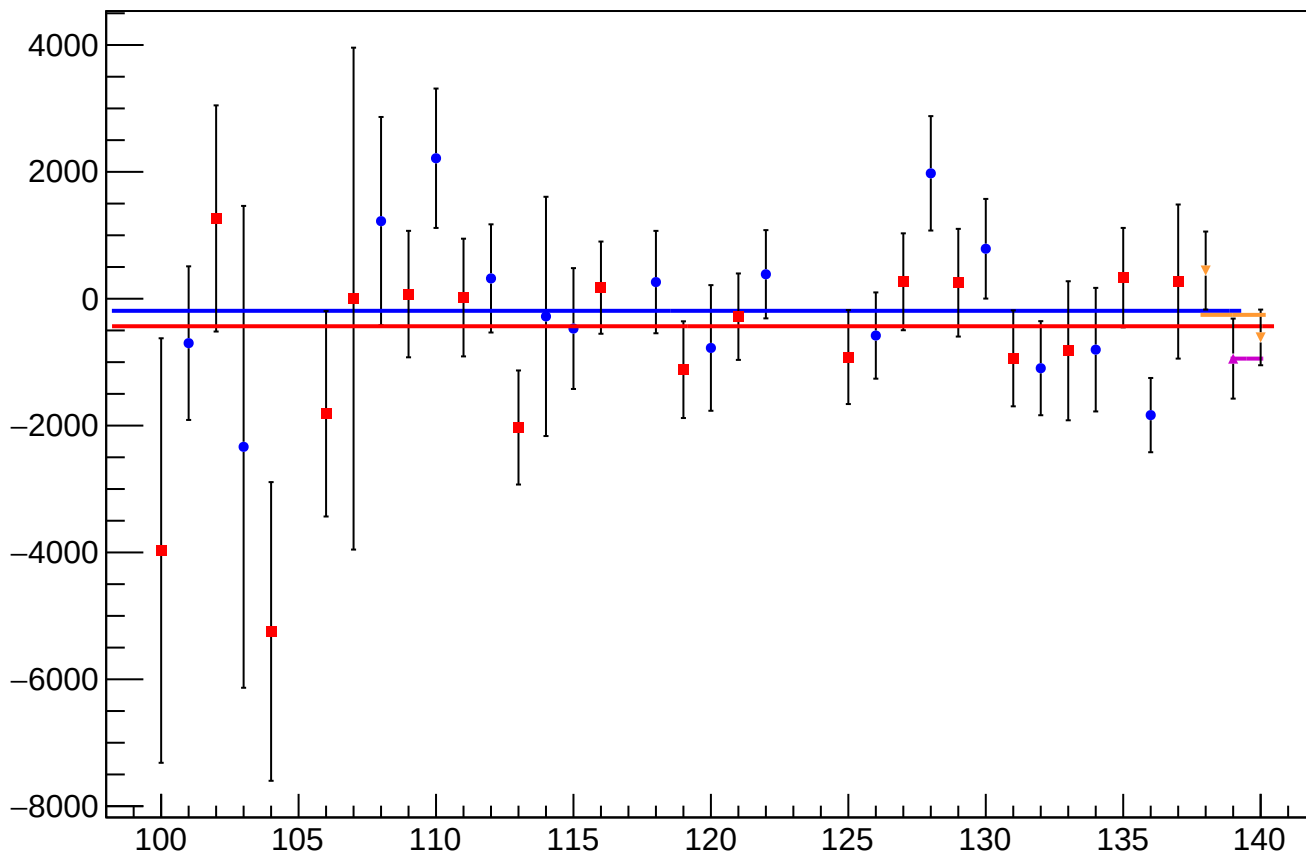
Left In: 1122.198 $\pm$ 0.862 χ^2 /NDF:0.0/0

+ sign 1203.097 $\pm$ 0.288 χ^2 /NDF: 314100.8/17

All: 1223.789 $\pm$ 0.212 χ^2 /NDF: 789921.9/36

- sign 1248.225 $\pm$ 0.313 χ^2 /NDF: 464576.6/18

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645 ± 222.867 χ^2/NDF : 25.3/15

Left Out: -254.470 ± 357.174 χ^2/NDF : 1.9/1

Right Out: -433.877 ± 223.547 χ^2/NDF : 15.9/17

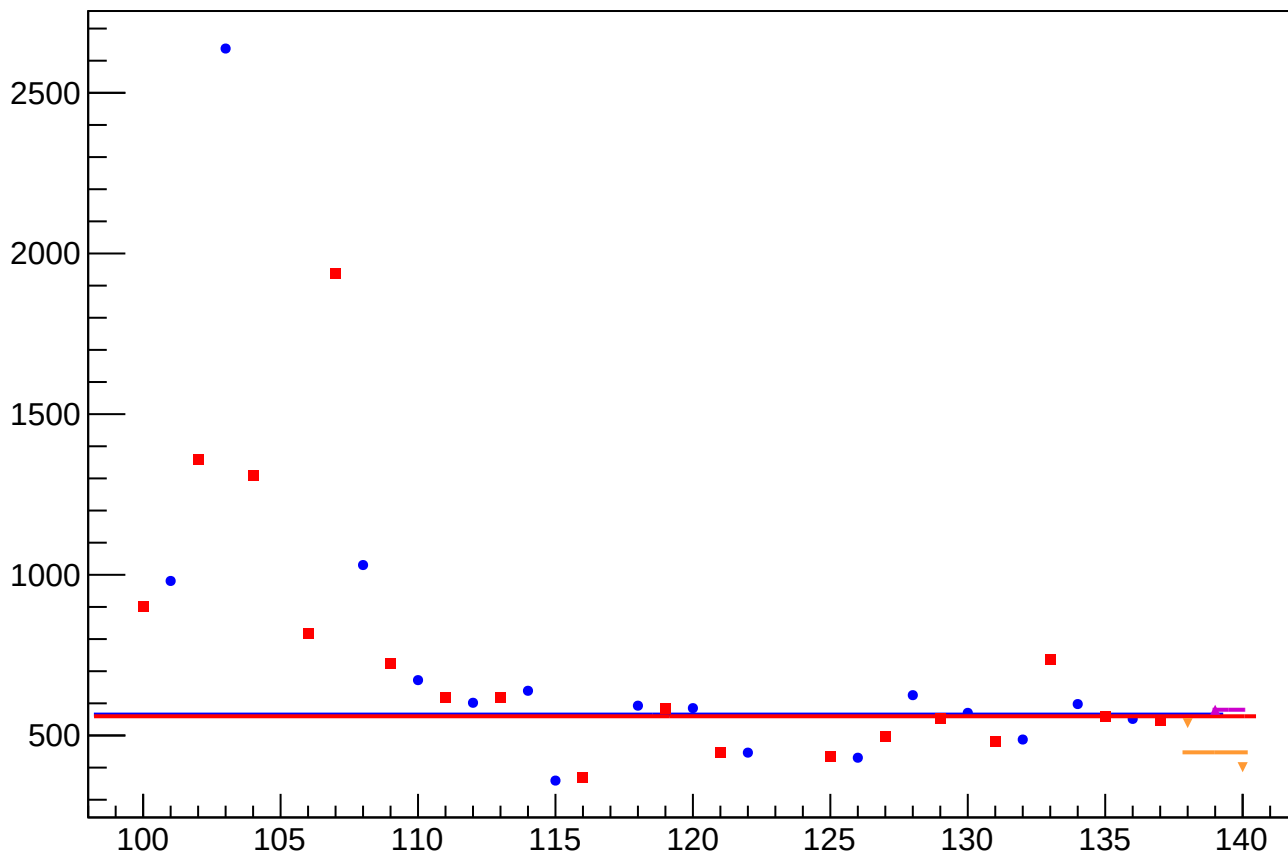
Left In: -944.078 ± 630.961 χ^2/NDF : 0.0/0

+ sign -208.531 ± 189.078 χ^2/NDF : 27.2/17

All: -334.425 ± 140.728 χ^2/NDF : 44.7/36

- sign -490.778 ± 210.713 χ^2/NDF : 16.5/18

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954 $\pm$ 0.158 χ^2 /NDF: 1284455.7/15

Left Out: 447.507 $\pm$ 0.253 χ^2 /NDF:66062.5/1

Right Out: 559.758 $\pm$ 0.158 χ^2 /NDF: 1329357.2/17

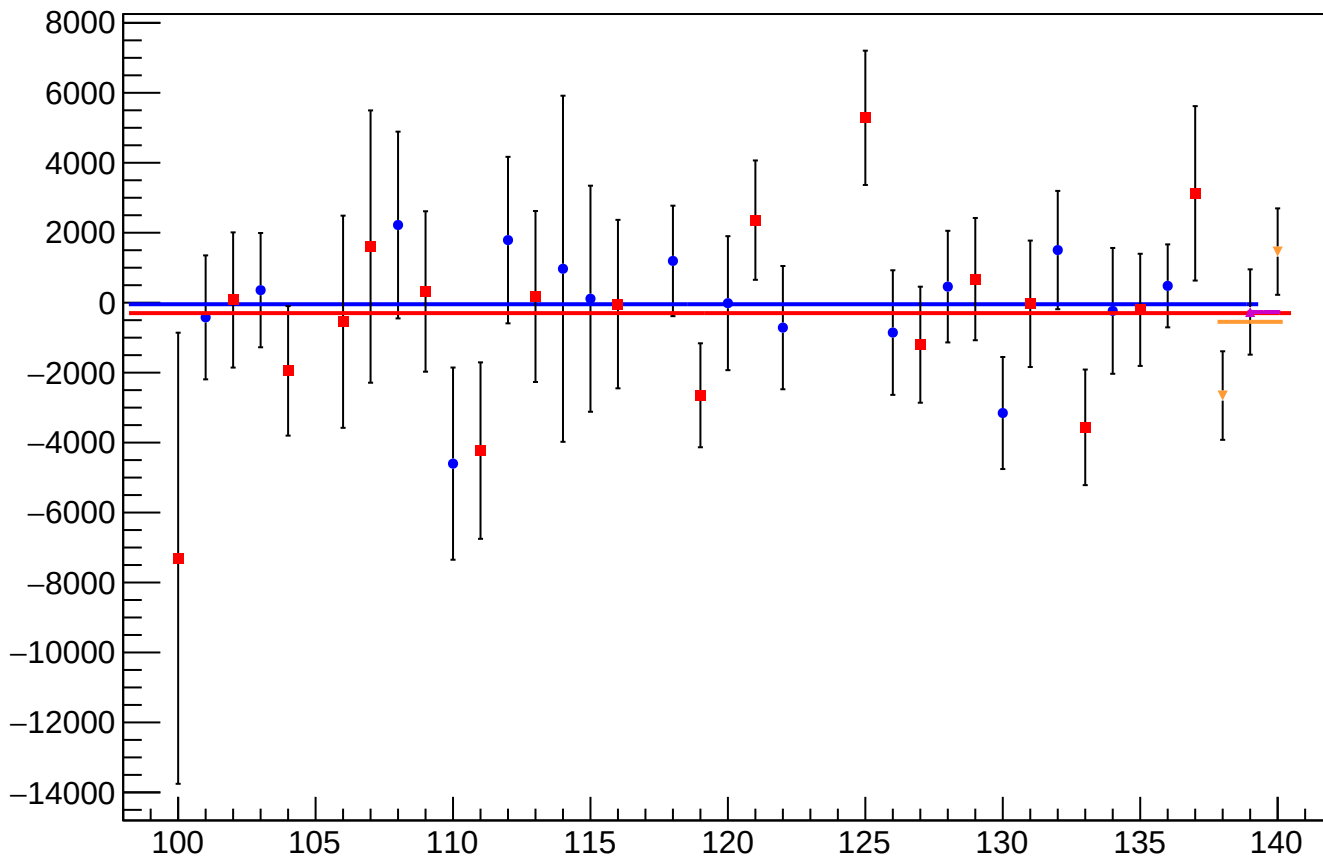
Left In: 580.075 $\pm$ 0.446 χ^2 /NDF:0.0/0

+ sign 532.041 $\pm$ 0.134 χ^2 /NDF: 1506168.3/17

All: 545.415 $\pm$ 0.100 χ^2 /NDF: 2859799.4/36

- sign 562.024 $\pm$ 0.149 χ^2 /NDF: 1331199.6/18

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -547.521 ± 884.216 χ^2/NDF : 5.4/1

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

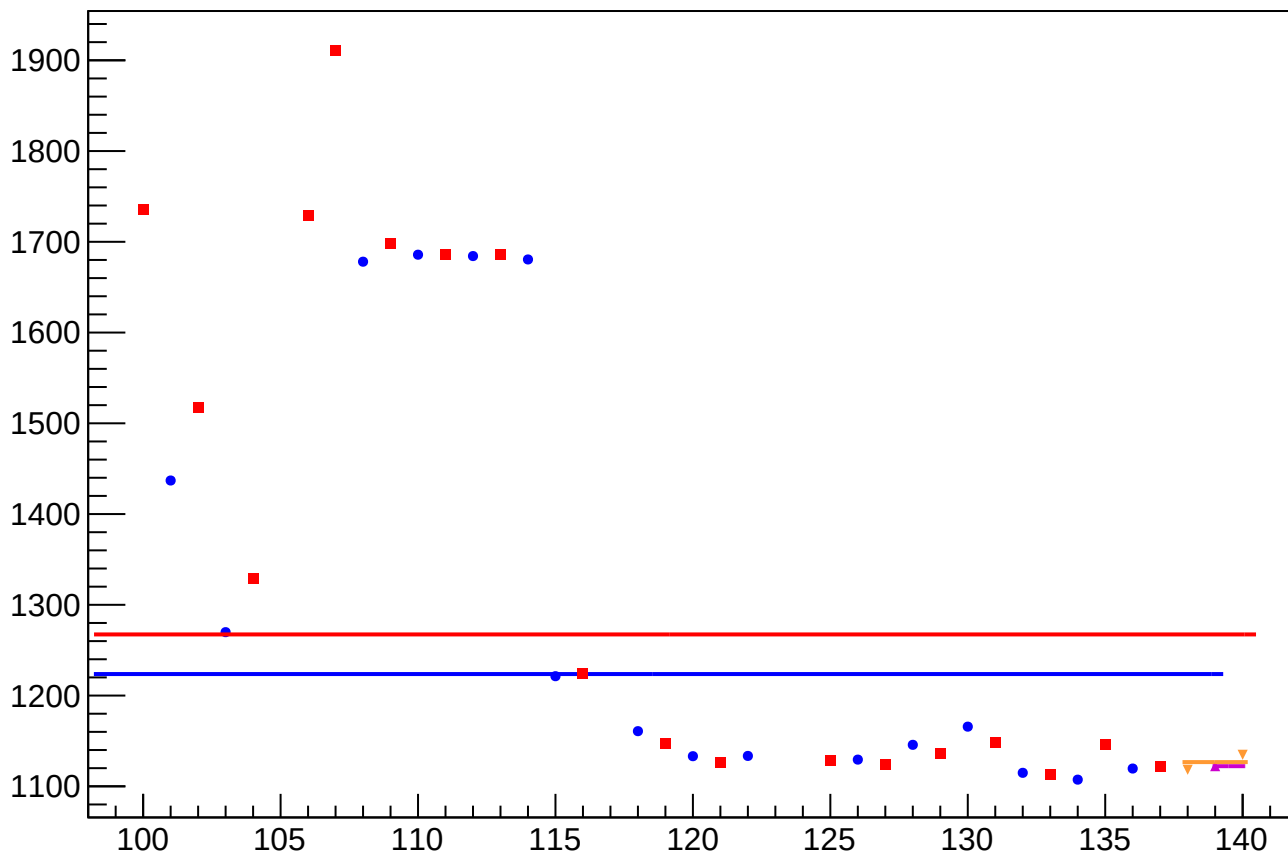
Left In: -266.377 ± 1219.722 χ^2/NDF : 0.0/0

+ sign -150.902 ± 407.537 χ^2/NDF : 15.8/17

All: -216.520 ± 299.888 χ^2/NDF : 40.4/36

- sign -294.011 ± 442.876 χ^2/NDF : 24.6/18

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1126.693 $\pm$ 0.625 χ^2 /NDF: 174.1/1

Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

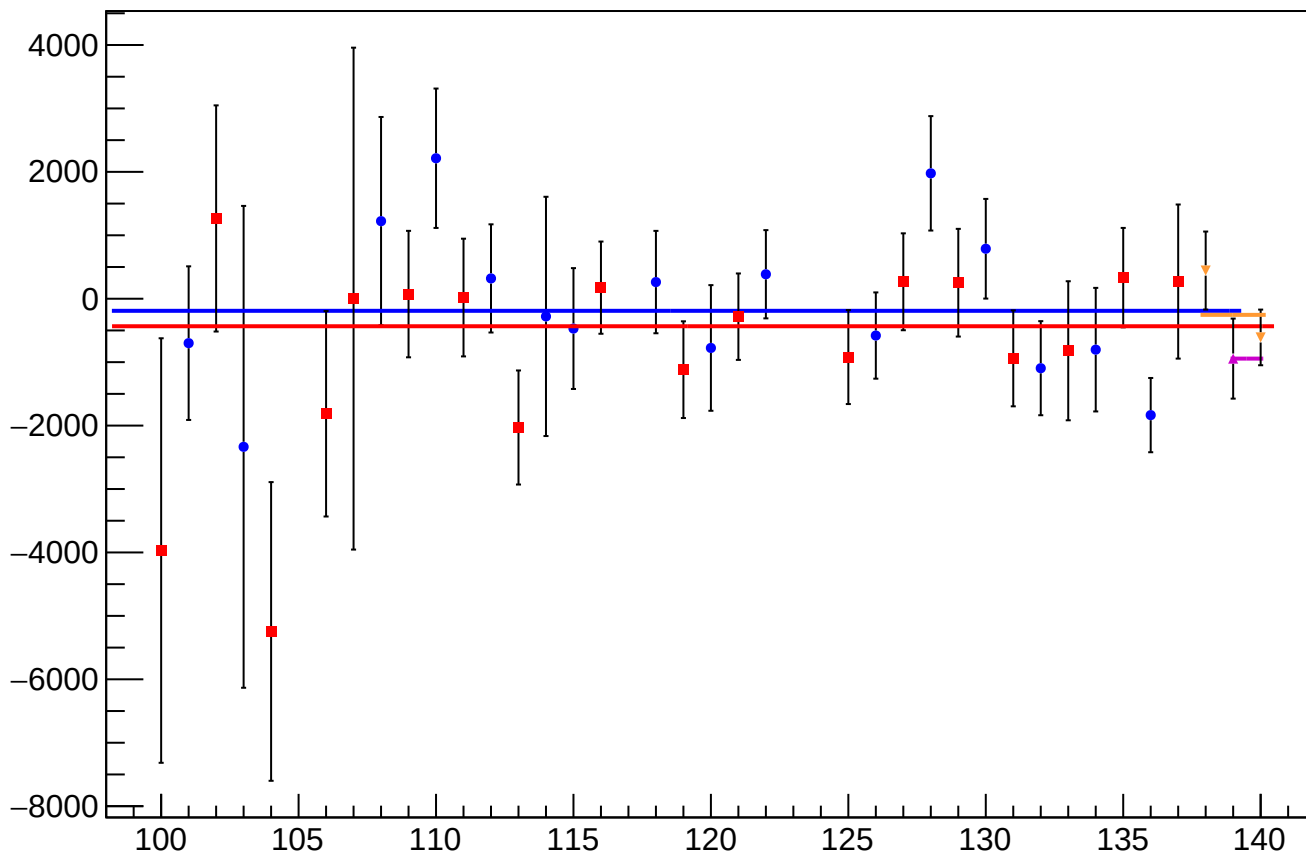
Left In: 1122.198 $\pm$ 0.862 χ^2 /NDF: 0.0/0

+ sign 1203.097 $\pm$ 0.288 χ^2 /NDF: 314100.8/17

All: 1223.789 $\pm$ 0.212 χ^2 /NDF: 789921.9/36

- sign 1248.225 $\pm$ 0.313 χ^2 /NDF: 464576.6/18

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -190.645 $\pm$ 222.867 χ^2 /NDF: 25.3/15

Left Out: -254.470 $\pm$ 357.174 χ^2 /NDF:1.9/1

Right Out: -433.877 $\pm$ 223.547 χ^2 /NDF: 15.9/17

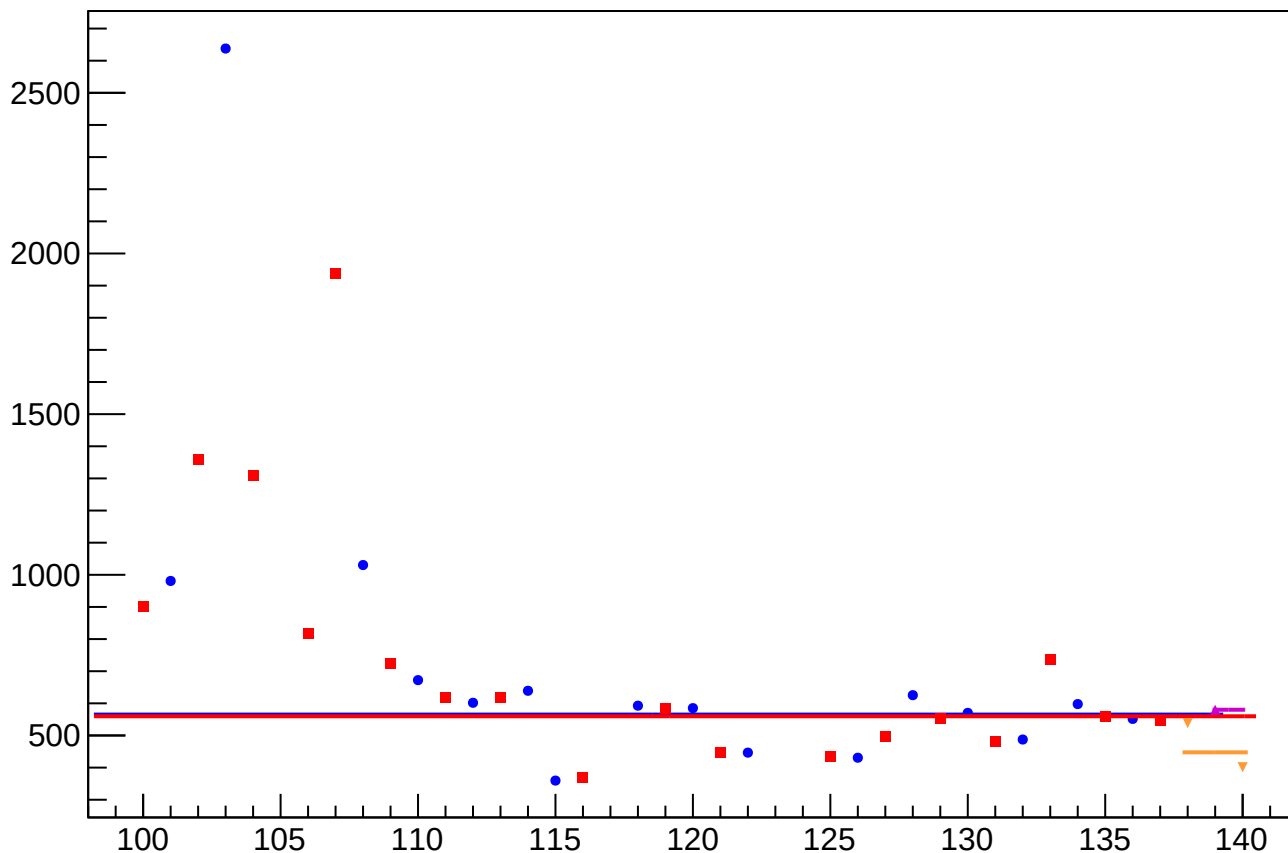
Left In: -944.078 $\pm$ 630.961 χ^2 /NDF:0.0/0

+ sign -208.531 $\pm$ 189.078 χ^2 /NDF: 27.2/17

All: -334.425 $\pm$ 140.728 χ^2 /NDF: 44.7/36

- sign -490.778 $\pm$ 210.713 χ^2 /NDF: 16.5/18

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954 $\pm$ 0.158 χ^2 /NDF: 1284455.7/15

Left Out: 447.507 $\pm$ 0.253 χ^2 /NDF: 66062.5/1

Right Out: 559.758 $\pm$ 0.158 χ^2 /NDF: 1329357.2/17

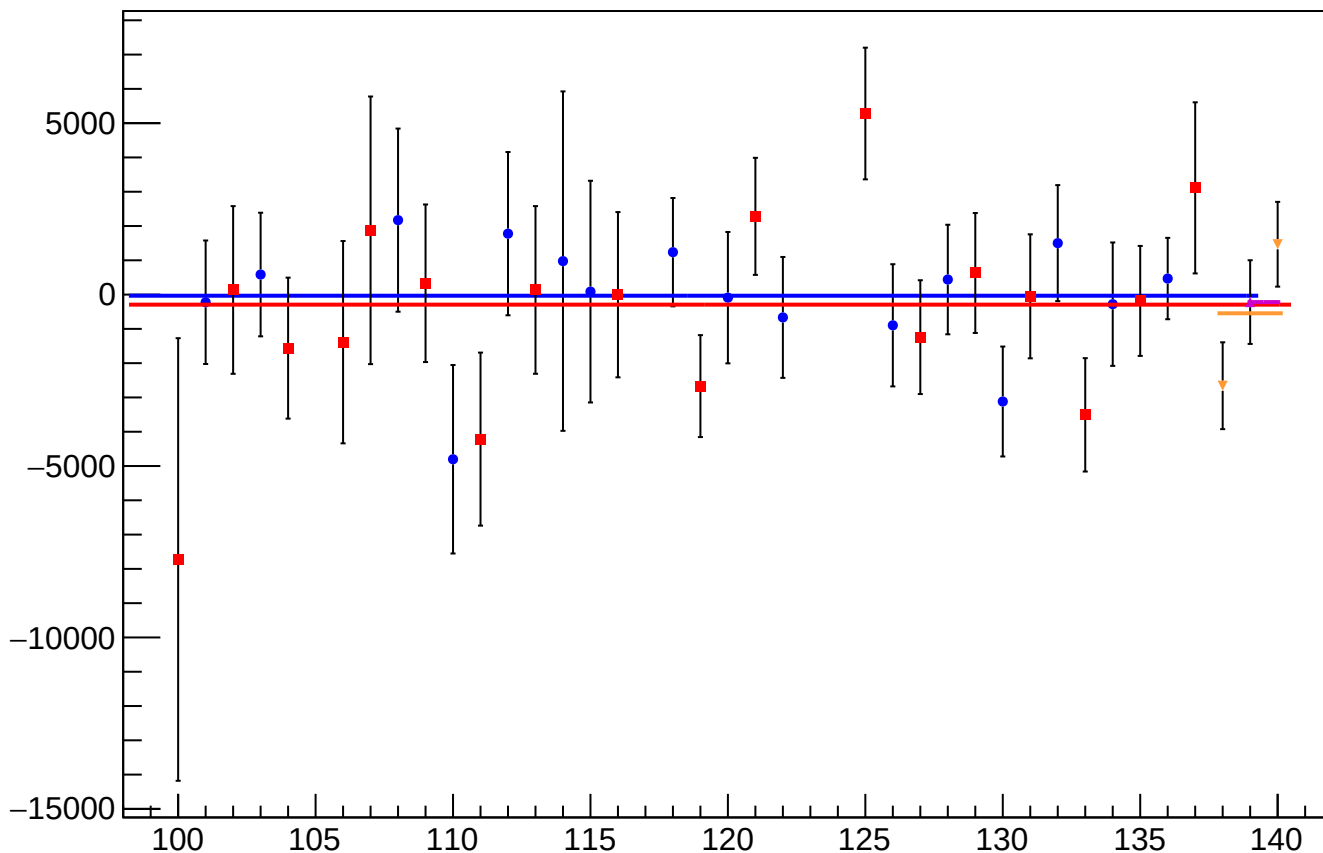
Left In: 580.075 $\pm$ 0.446 χ^2 /NDF: 0.0/0

+ sign 532.041 $\pm$ 0.134 χ^2 /NDF: 1506168.3/17

All: 545.415 $\pm$ 0.100 χ^2 /NDF: 2859799.4/36

- sign 562.024 $\pm$ 0.149 χ^2 /NDF: 1331199.6/18

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -545.429 ± 884.669 χ^2/NDF : 5.4/1

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

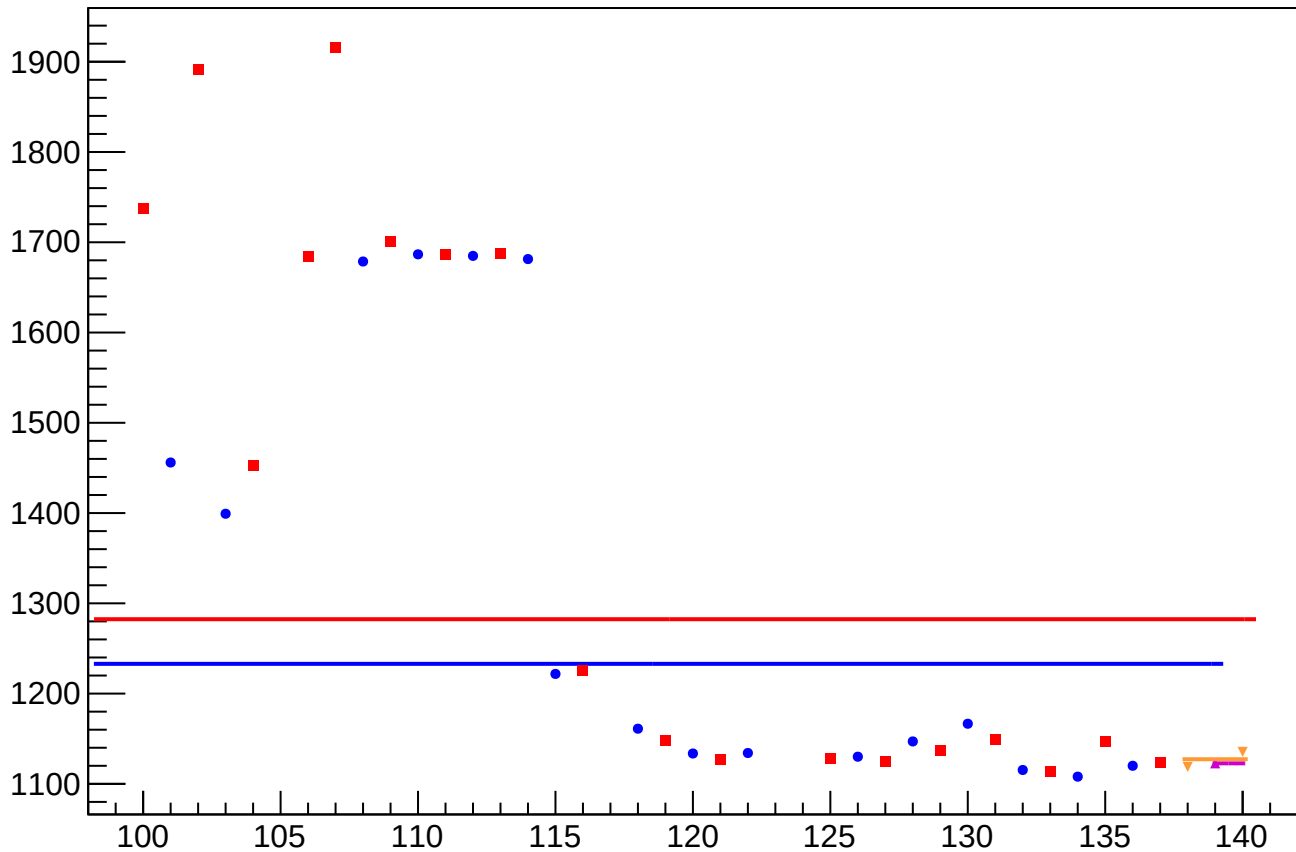
Left In: -218.668 ± 1220.317 χ^2/NDF : 0.0/0

+ sign -143.308 ± 410.366 χ^2/NDF : 16.0/17

All: -206.874 ± 303.149 χ^2/NDF : 40.3/36

- sign -283.235 ± 449.775 χ^2/NDF : 24.2/18

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF : 315470.6/15

Left Out: 1127.270+/-0.626 χ^2/NDF : 177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF : 543403.8/17

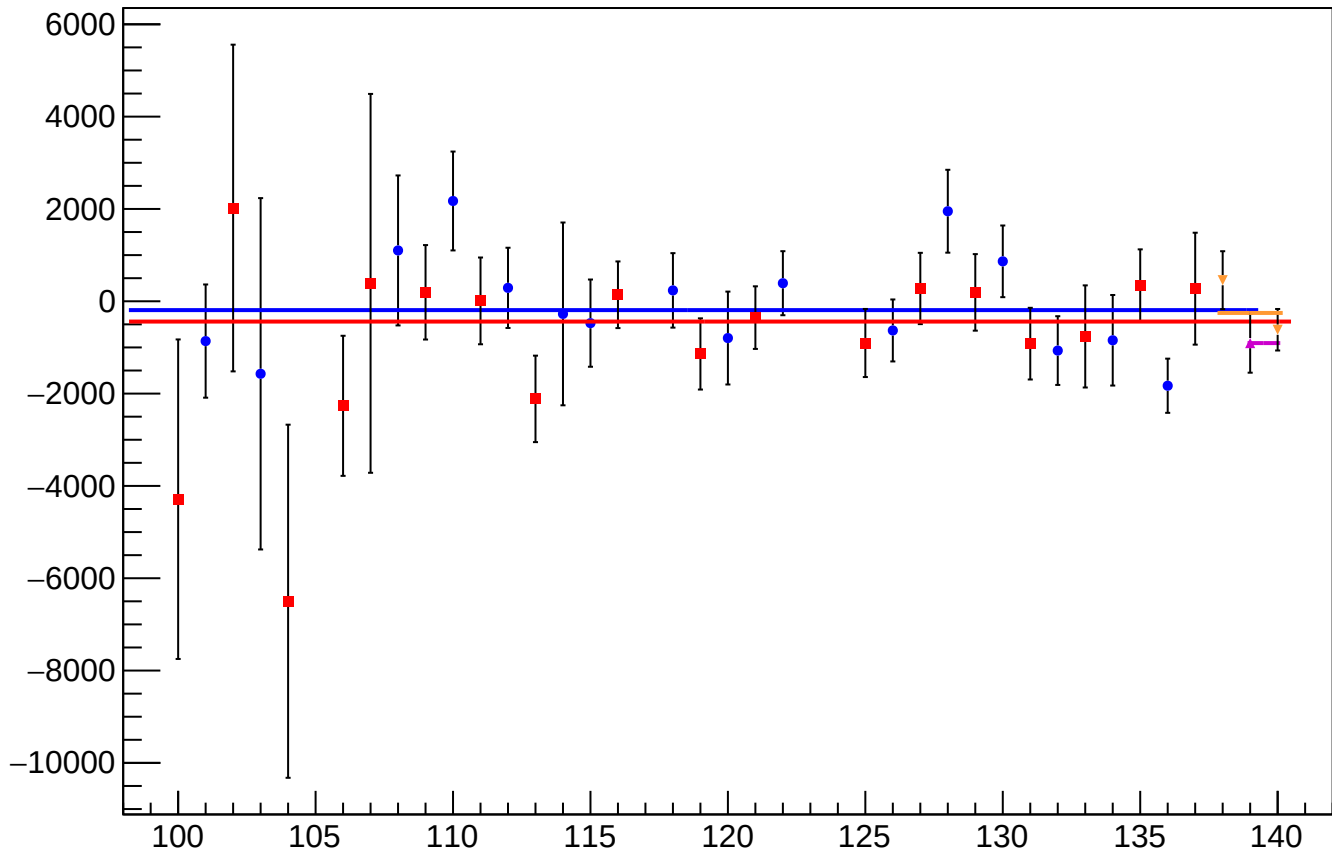
Left In: 1122.741+/-0.863 χ^2/NDF : 0.0/0

+ sign 1210.223+/-0.290 χ^2/NDF : 338052.9/17

All: 1233.161+/-0.214 χ^2/NDF : 924799.9/36

- sign 1260.717+/-0.318 χ^2/NDF : 572990.9/18

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528 ± 222.764 χ^2/NDF : 25.3/15

Left Out: -252.799 ± 365.575 χ^2/NDF : 1.9/1

Right Out: -439.610 ± 226.600 χ^2/NDF : 14.6/17

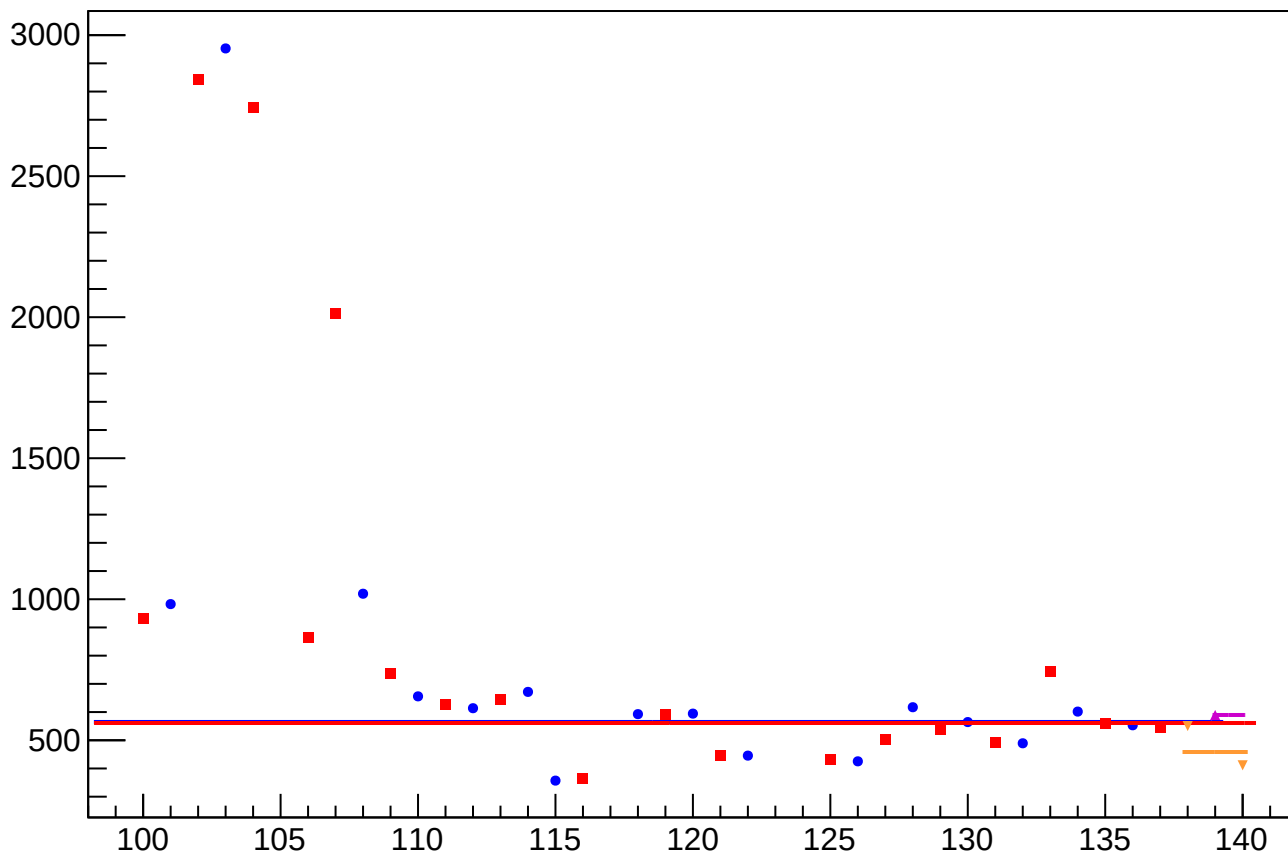
Left In: -905.885 ± 641.279 χ^2/NDF : 0.0/0

+ sign -208.118 ± 190.229 χ^2/NDF : 27.2/17

All: -333.369 ± 142.075 χ^2/NDF : 43.3/36

- sign -491.367 ± 213.654 χ^2/NDF : 15.1/18

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871 $\pm$ 0.158 χ^2 /NDF: 1480375.5/15

Left Out: 458.414 $\pm$ 0.259 χ^2 /NDF: 64956.1/1

Right Out: 561.273 $\pm$ 0.160 χ^2 /NDF: 2273371.7/17

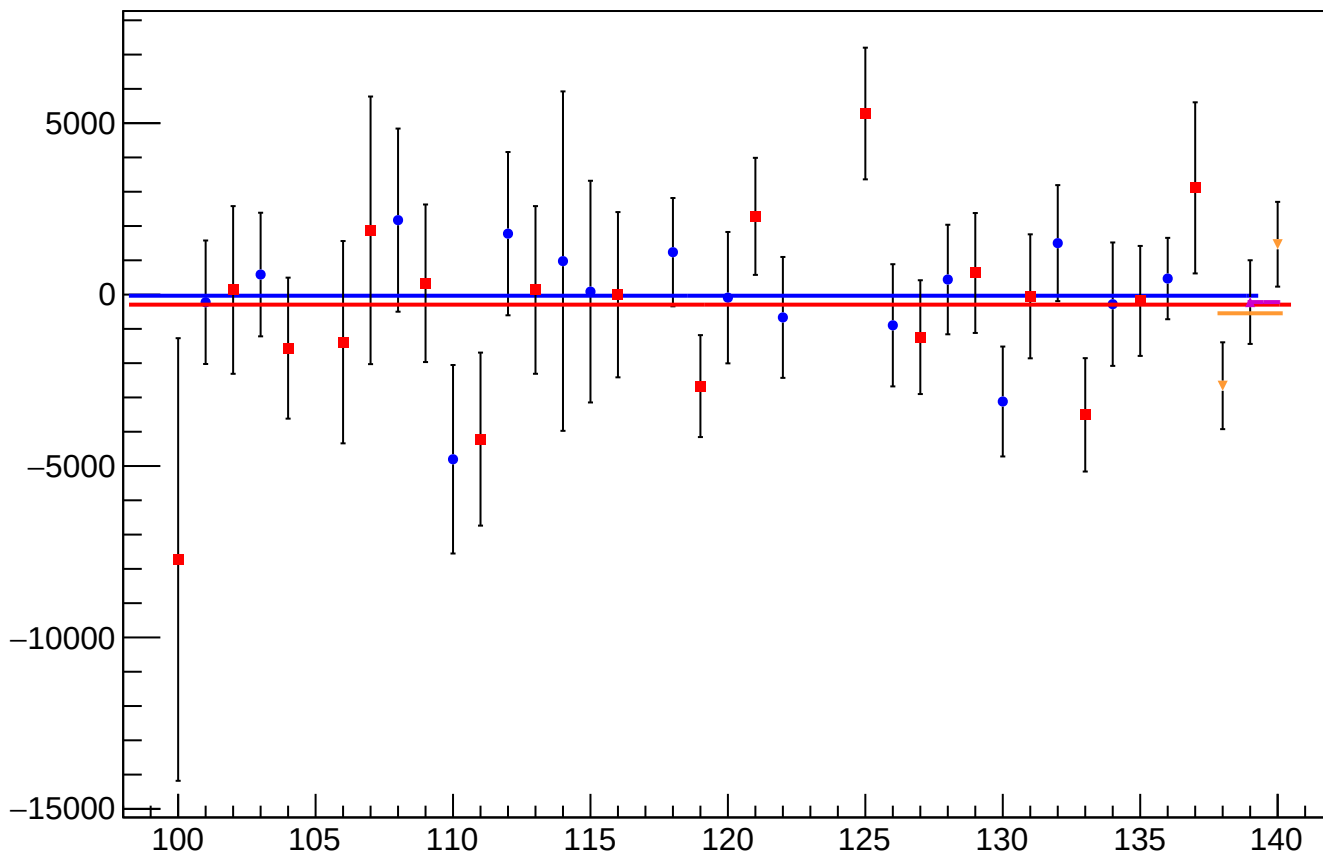
Left In: 589.651 $\pm$ 0.453 χ^2 /NDF: 0.0/0

+ sign 536.046 $\pm$ 0.135 χ^2 /NDF: 1669007.5/17

All: 548.594 $\pm$ 0.100 χ^2 /NDF: 3965541.5/36

- sign 564.423 $\pm$ 0.151 χ^2 /NDF: 2276853.5/18

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -545.427 ± 884.669 χ^2/NDF : 5.4/1

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

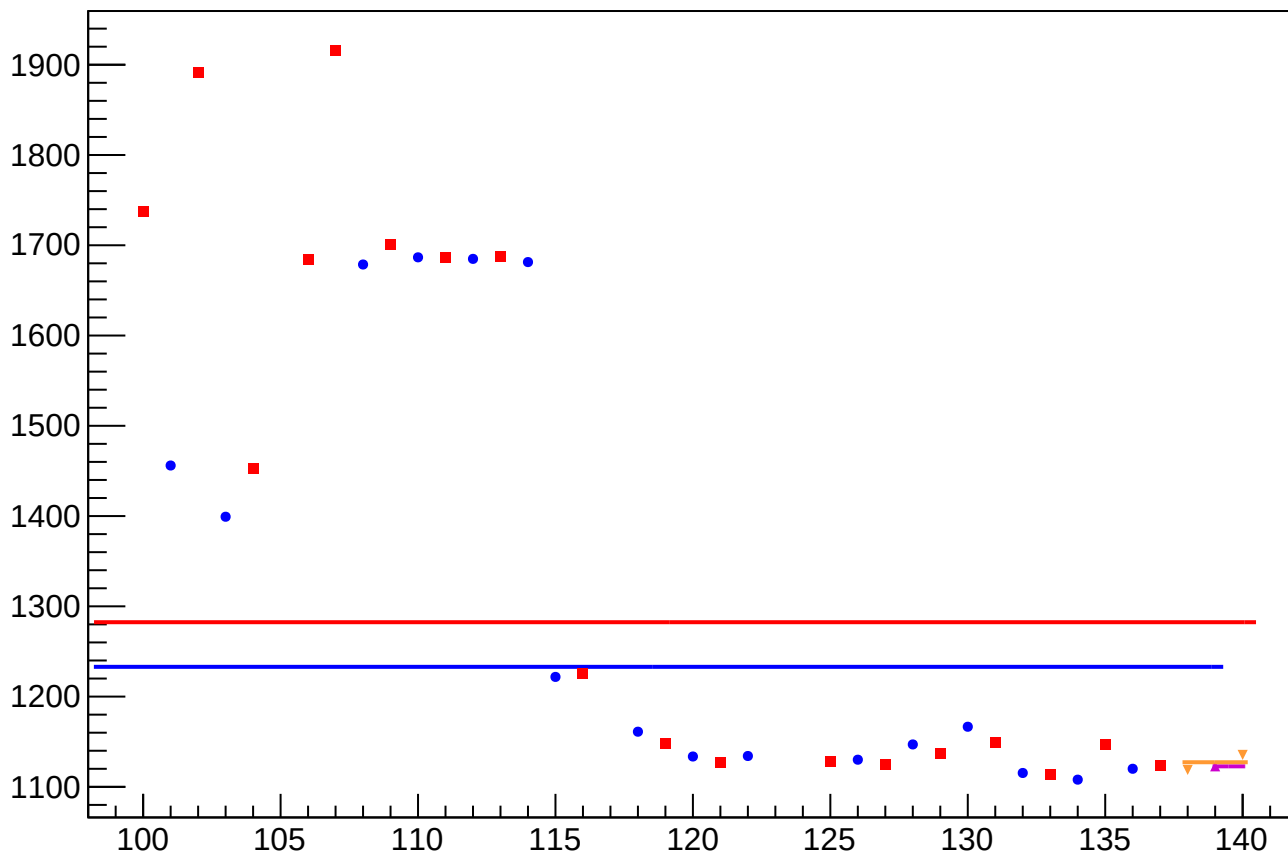
Left In: -218.672 ± 1220.317 χ^2/NDF : 0.0/0

+ sign -143.307 ± 410.366 χ^2/NDF : 16.0/17

All: -206.873 ± 303.149 χ^2/NDF : 40.3/36

- sign -283.235 ± 449.775 χ^2/NDF : 24.2/18

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF : 315470.2/15

Left Out: 1127.270+/-0.626 χ^2/NDF :177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF : 543403.2/17

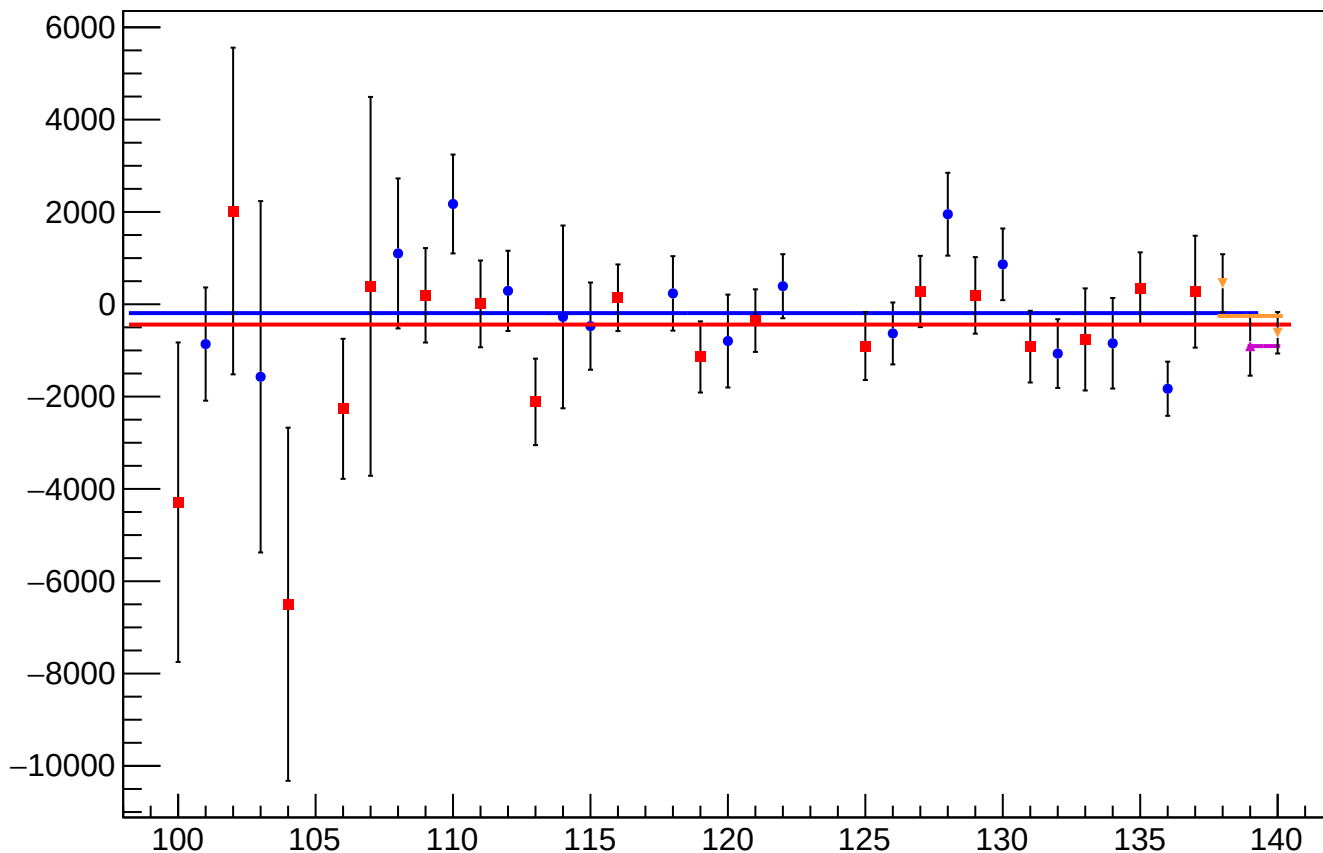
Left In: 1122.741+/-0.863 χ^2/NDF :0.0/0

+ sign 1210.223+/-0.290 χ^2/NDF : 338052.5/17

All: 1233.161+/-0.214 χ^2/NDF : 924798.9/36

- sign 1260.717+/-0.318 χ^2/NDF : 572990.3/18

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527 $\pm$ 222.763 χ^2 /NDF: 25.3/15

Left Out: -252.799 $\pm$ 365.575 χ^2 /NDF:1.9/1

Right Out: -439.611 $\pm$ 226.600 χ^2 /NDF: 14.6/17

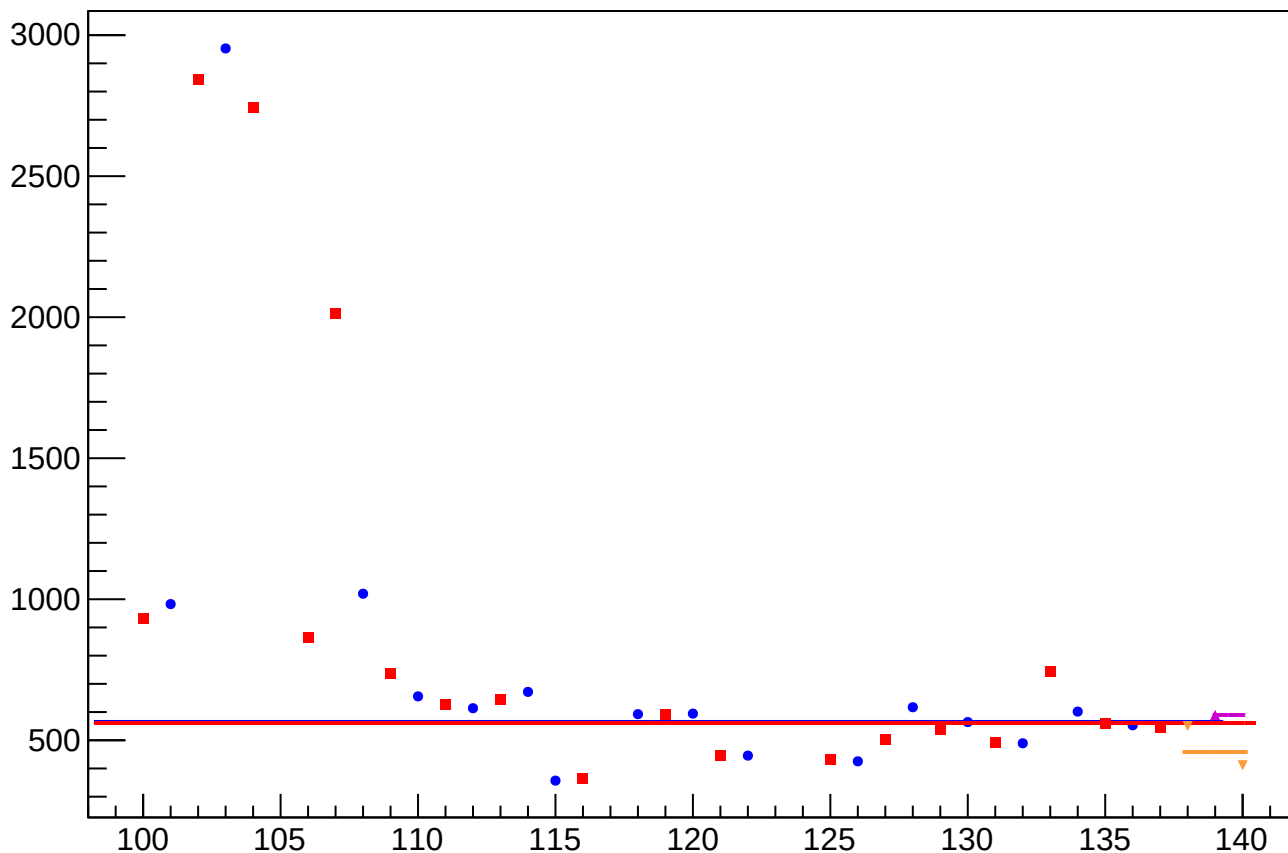
Left In: -905.889 $\pm$ 641.281 χ^2 /NDF:0.0/0

+ sign -208.118 $\pm$ 190.229 χ^2 /NDF: 27.2/17

All: -333.369 $\pm$ 142.075 χ^2 /NDF: 43.3/36

- sign -491.368 $\pm$ 213.654 χ^2 /NDF: 15.1/18

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871 $\pm$ 0.158 χ^2 /NDF: 1480372.9/15

Left Out: 458.414 $\pm$ 0.259 χ^2 /NDF: 64958.6/1

Right Out: 561.273 $\pm$ 0.160 χ^2 /NDF: 2273372.4/17

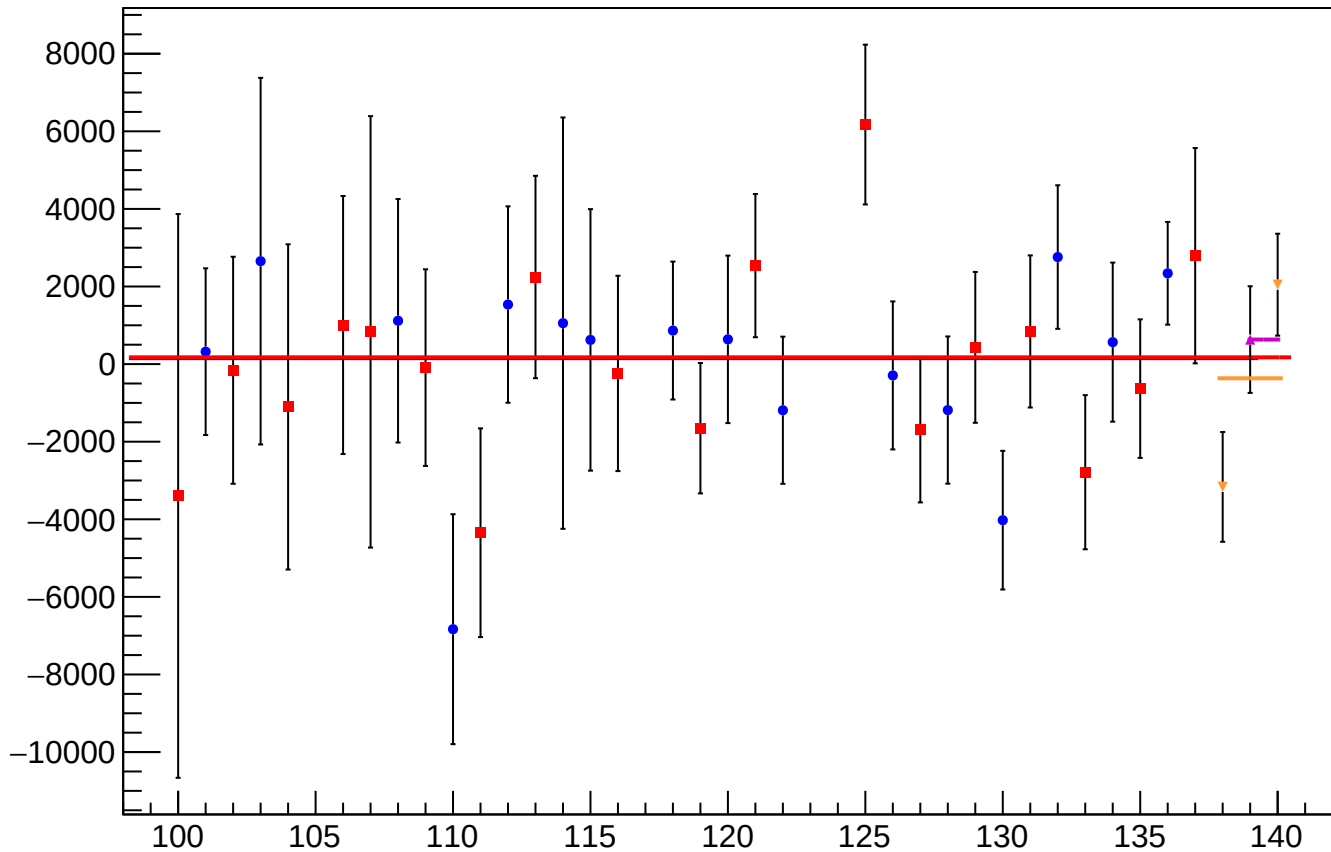
Left In: 589.653 $\pm$ 0.453 χ^2 /NDF: 0.0/0

+ sign 536.045 $\pm$ 0.135 χ^2 /NDF: 1669008.1/17

All: 548.594 $\pm$ 0.100 χ^2 /NDF: 3965543.8/36

- sign 564.423 $\pm$ 0.151 χ^2 /NDF: 2276854.7/18

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375 $\pm$ 532.096 χ^2 /NDF: 17.8/15

Left Out: -365.789 $\pm$ 962.740 χ^2 /NDF:7.3/1

Right Out: 174.319 $\pm$ 550.153 χ^2 /NDF: 19.7/17

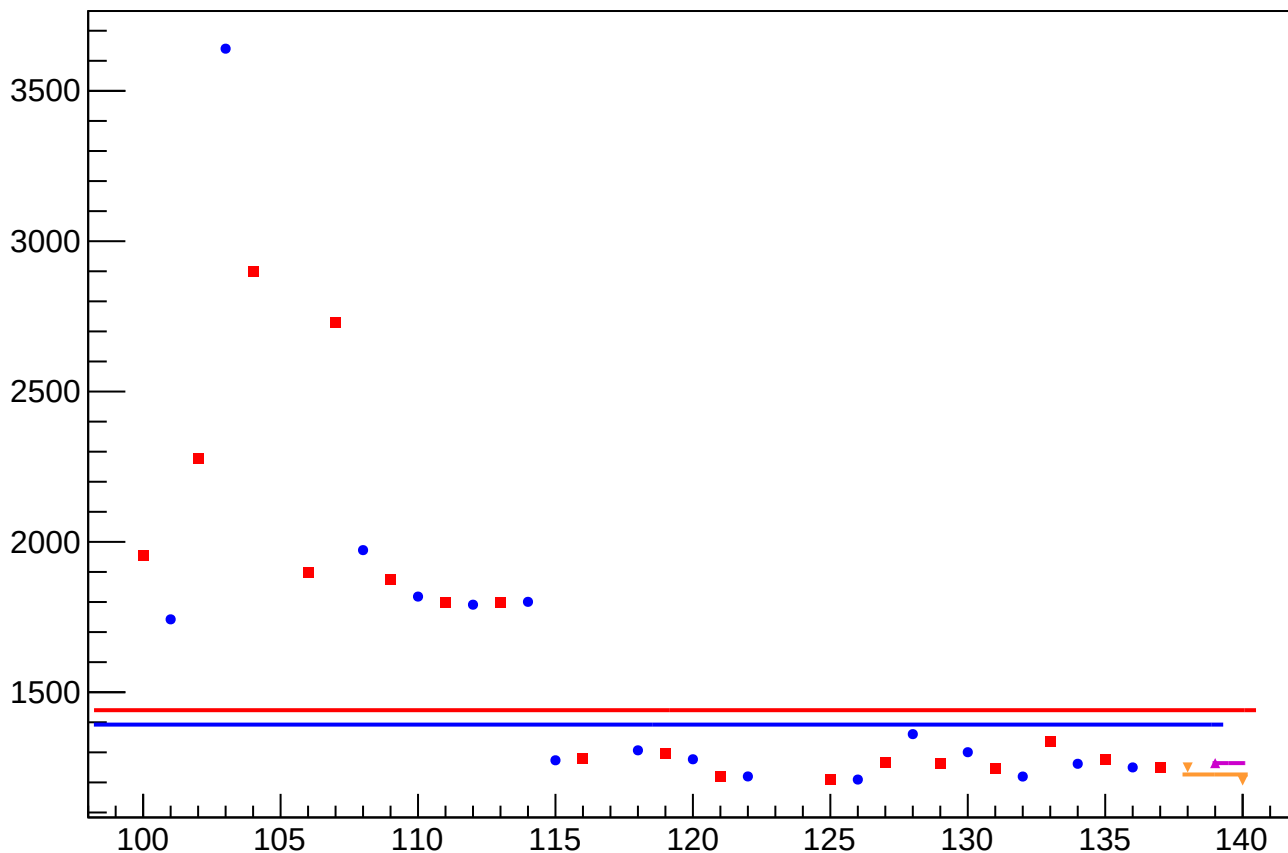
Left In: 632.321 $\pm$ 1374.088 χ^2 /NDF:0.0/0

+ sign 31.896 $\pm$ 465.701 χ^2 /NDF: 25.3/17

All: 125.278 $\pm$ 344.123 χ^2 /NDF: 45.1/36

- sign 237.594 $\pm$ 510.738 χ^2 /NDF: 19.8/18

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF : 779240.9/15

Left Out: 1226.419+/-0.681 χ^2/NDF : 1010.9/1

Right Out: 1440.222+/-0.389 χ^2/NDF : 854885.8/17

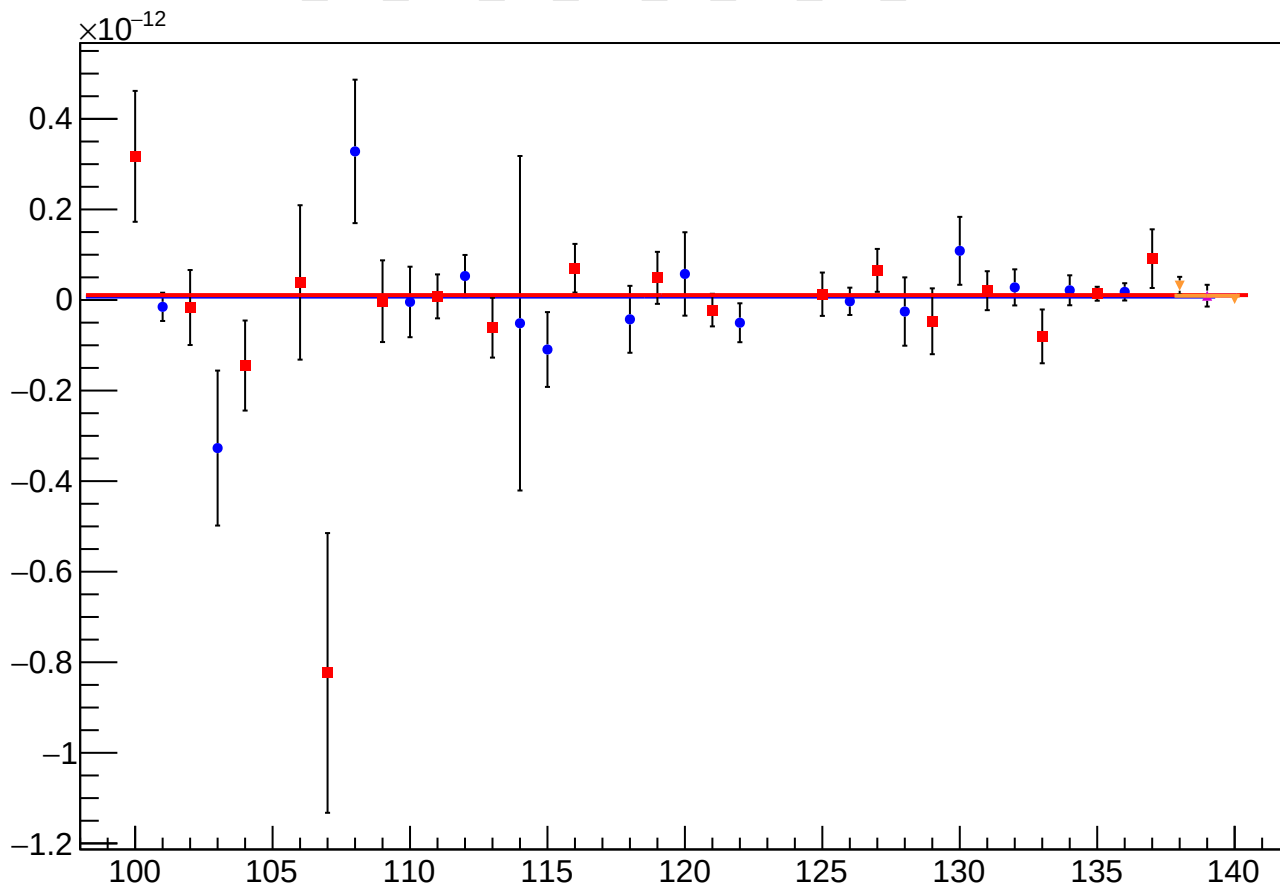
Left In: 1264.214+/-0.972 χ^2/NDF : 0.0/0

+ sign 1353.485+/-0.329 χ^2/NDF : 825733.1/17

All: 1381.822+/-0.243 χ^2/NDF : 1725212.1/30

- sign 1415.906+/-0.361 χ^2/NDF : 883166.8/18

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/17

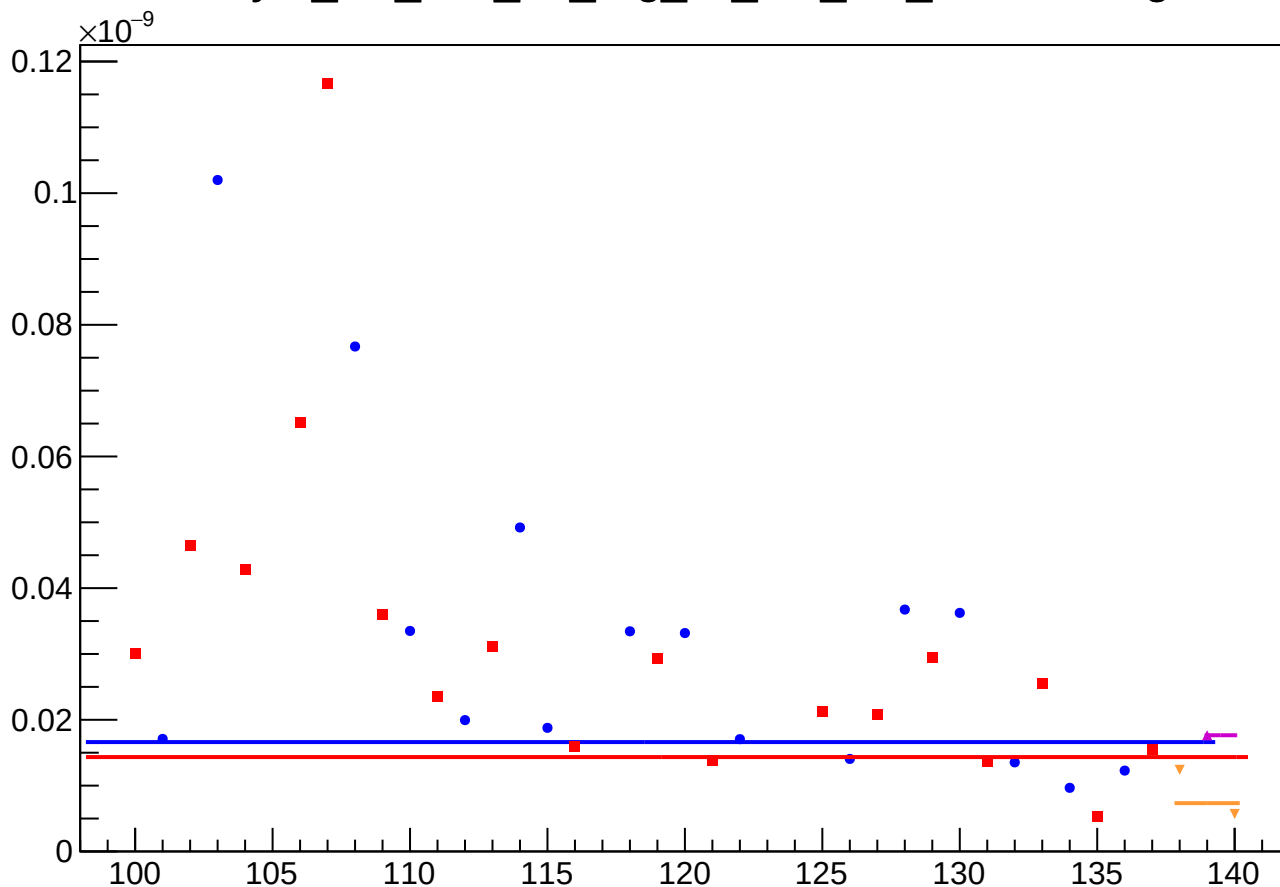
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.7/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/18

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 179548.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2258014.9/17

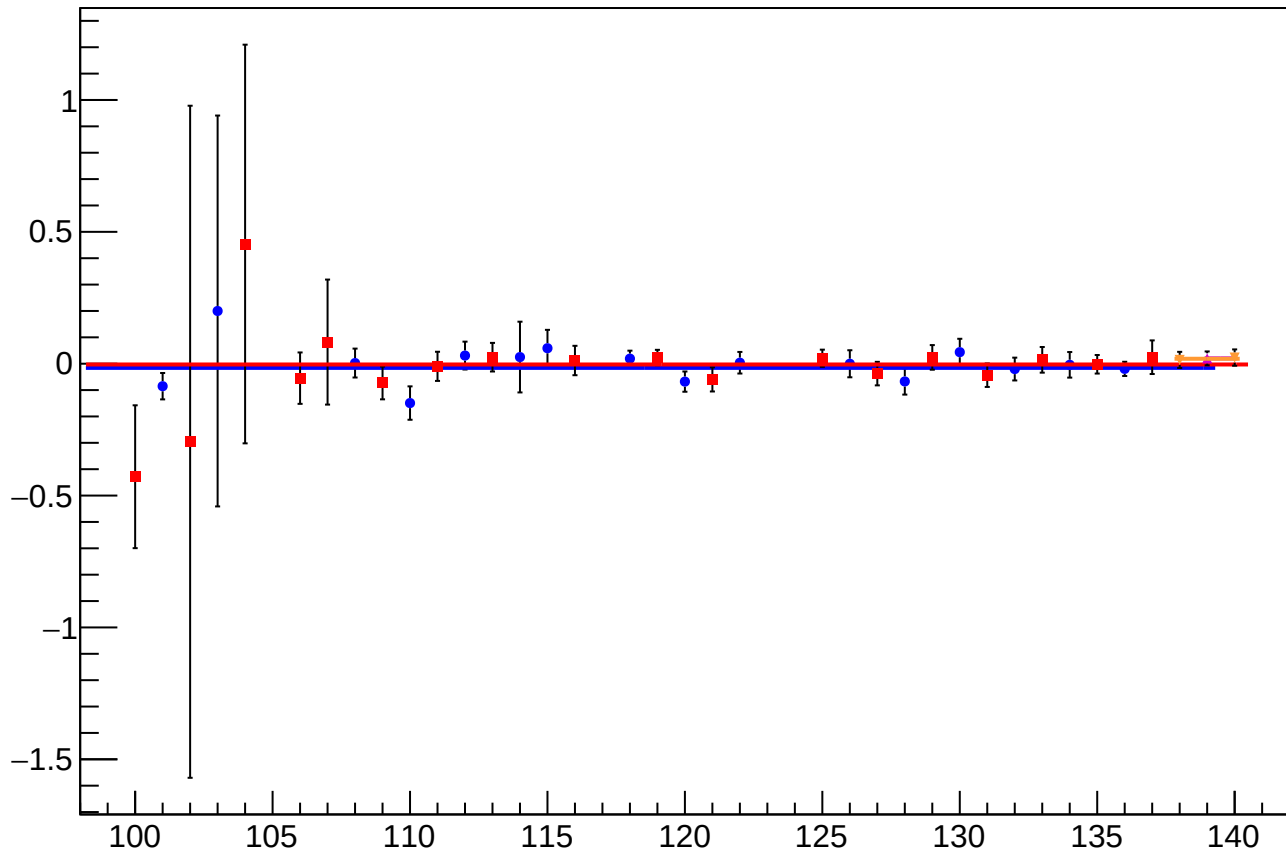
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2568444.5/17

All: 0.000+/-0.000 χ^2/NDF : 5022198.4/36

- sign 0.000+/-0.000 χ^2/NDF : 2289910.9/18

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: 0.019 ± 0.022 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

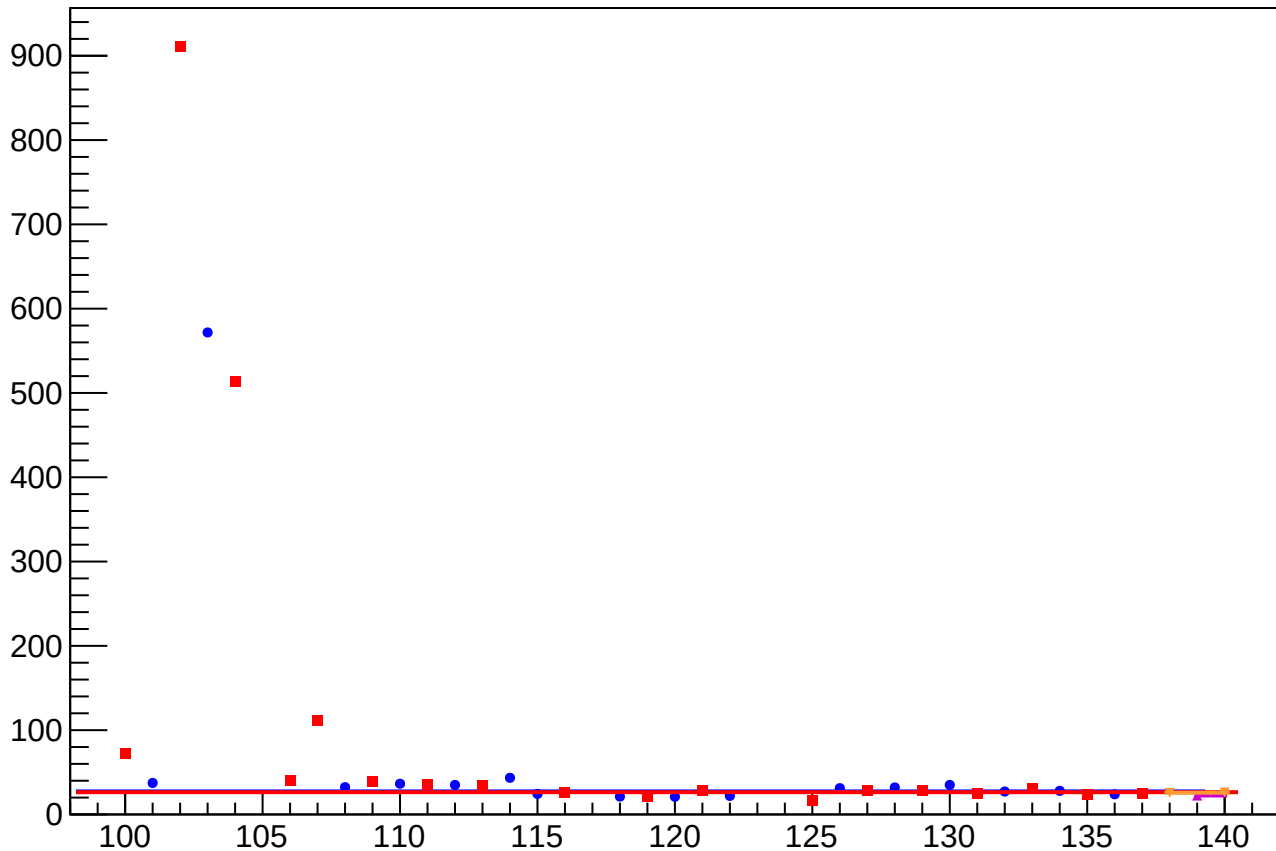
Left In: 0.020 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: -0.004 ± 0.007 χ^2/NDF : 27.5/36

- sign 0.001 ± 0.011 χ^2/NDF : 10.5/18

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: 25.805+/-0.015 χ^2/NDF : 192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

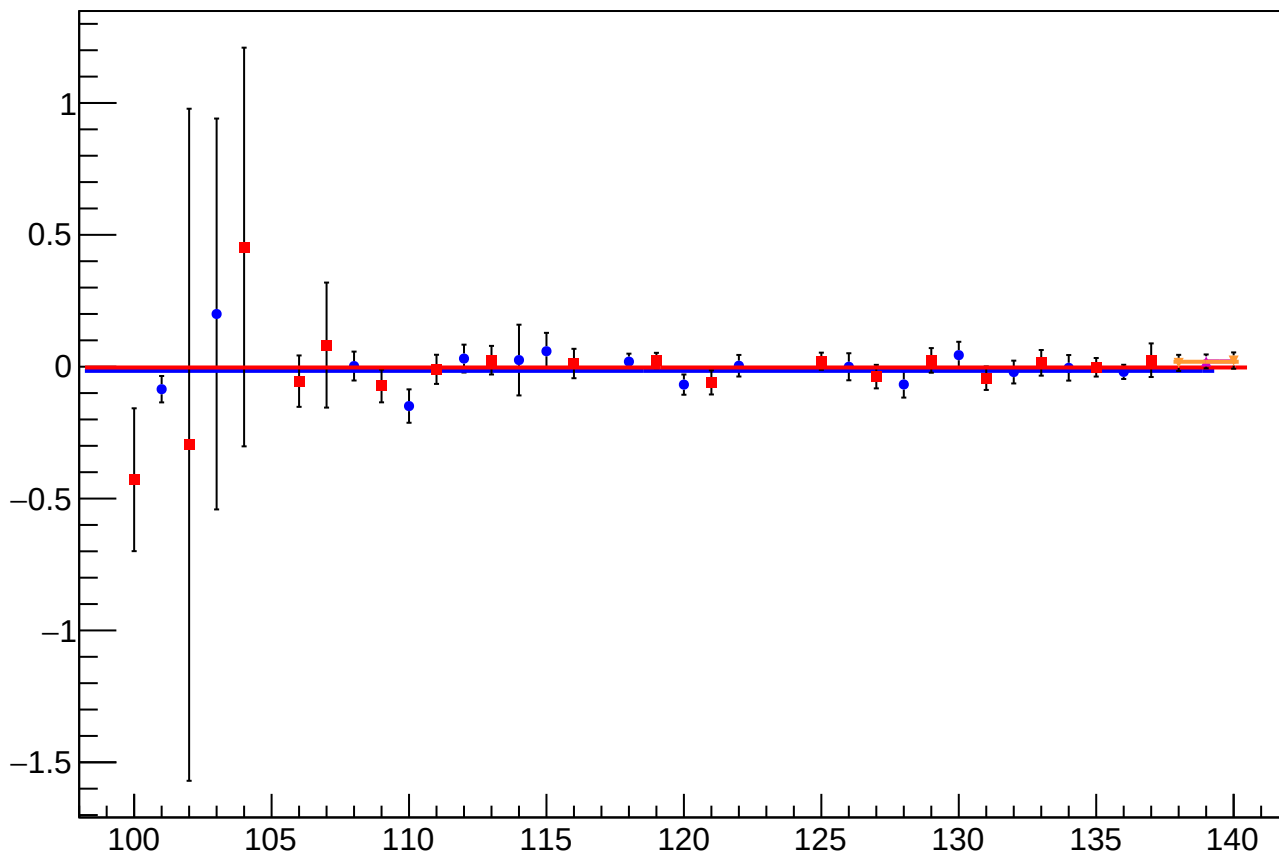
Left In: 22.486+/-0.019 χ^2/NDF : 0.0/0

+ sign 26.975+/-0.007 χ^2/NDF : 1575935.8/17

All: 26.392+/-0.005 χ^2/NDF : 4241326.6/36

- sign 25.723+/-0.008 χ^2/NDF : 2651375.9/18

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 14.6/15

Left Out: 0.019 ± 0.022 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

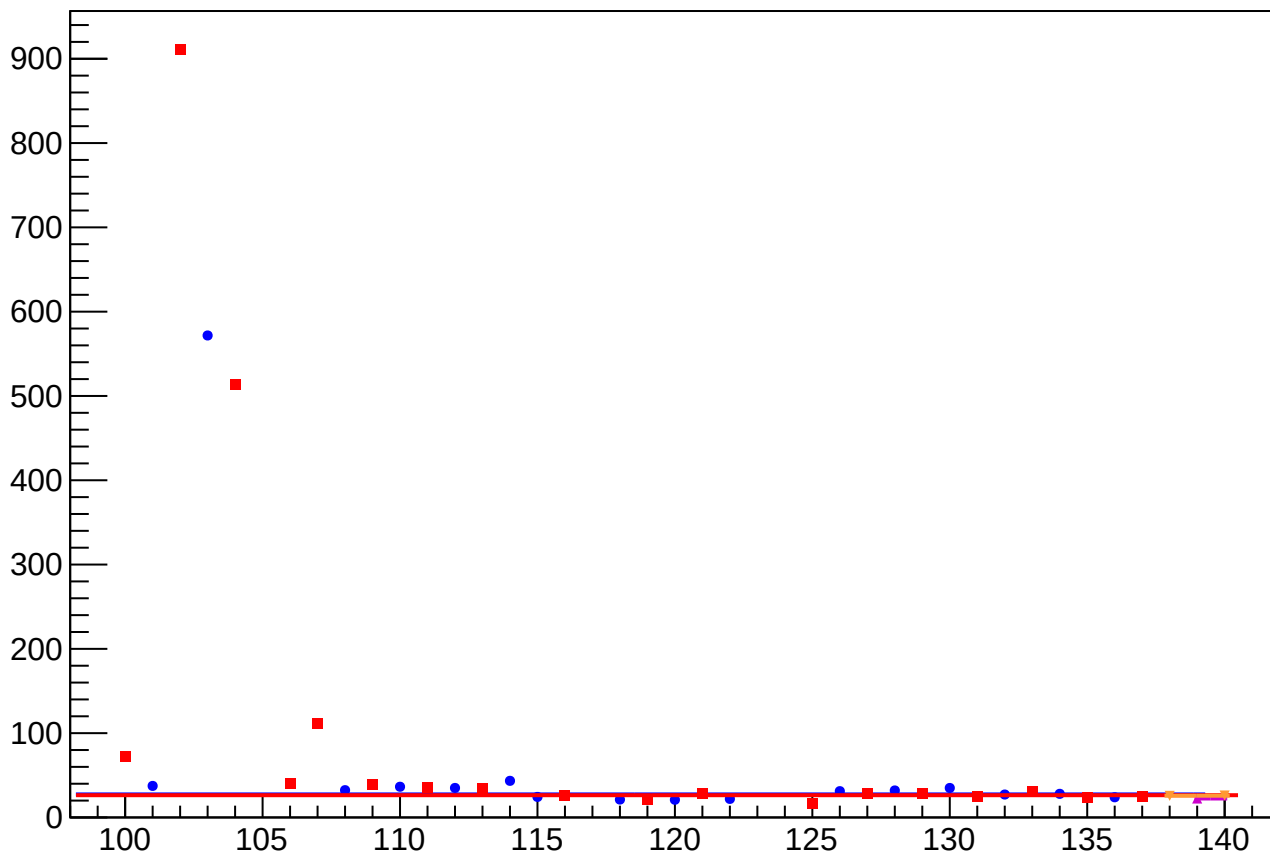
Left In: 0.020 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: -0.004 ± 0.007 χ^2/NDF : 27.5/36

- sign 0.001 ± 0.011 χ^2/NDF : 10.5/18

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF : 1568329.0/15

Left Out: 25.805+/-0.015 χ^2/NDF : 192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

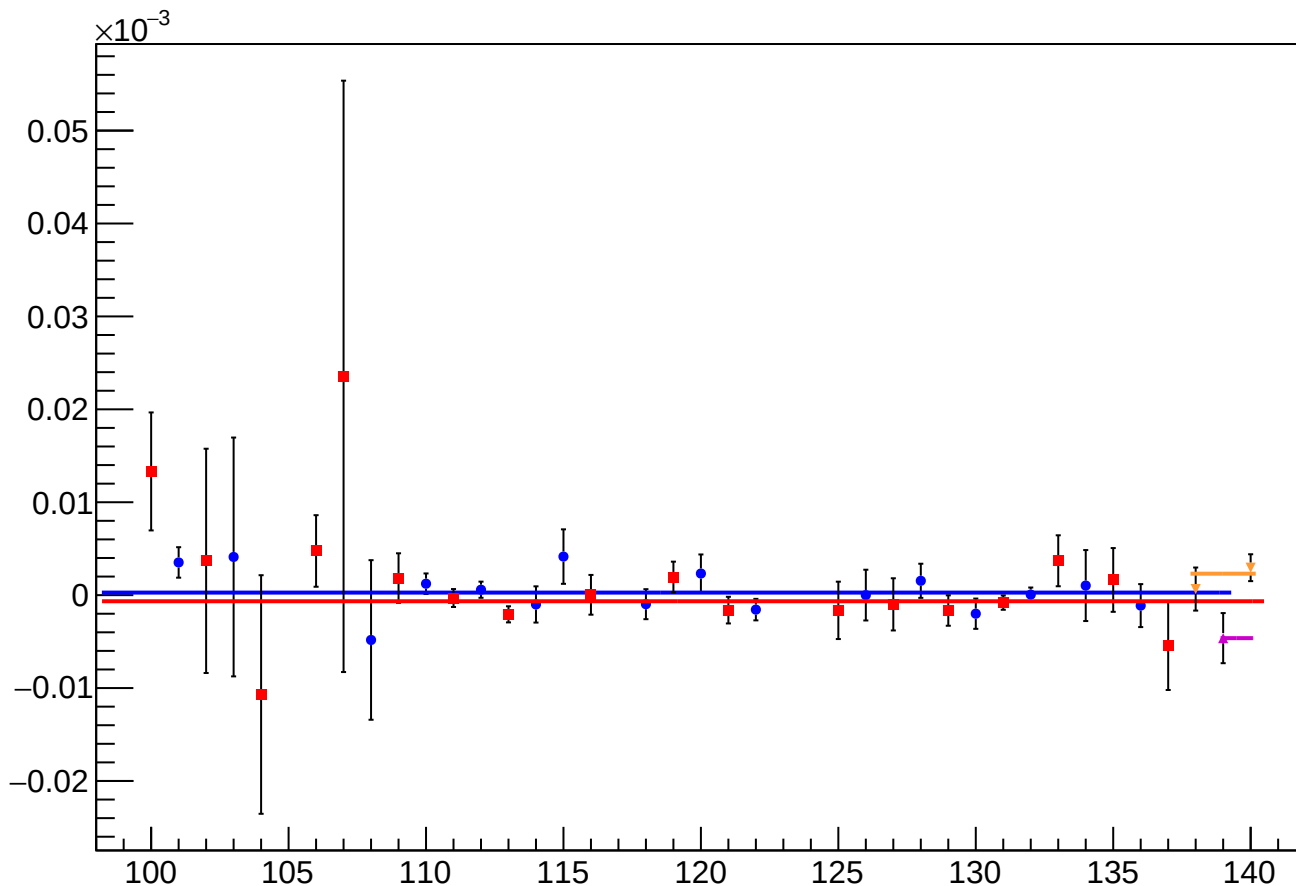
Left In: 22.486+/-0.019 χ^2/NDF : 0.0/0

+ sign 26.975+/-0.007 χ^2/NDF : 1575935.8/17

All: 26.392+/-0.005 χ^2/NDF : 4241326.6/36

- sign 25.723+/-0.008 χ^2/NDF : 2651375.9/18

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 14.4/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.7/1$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 19.3/17$

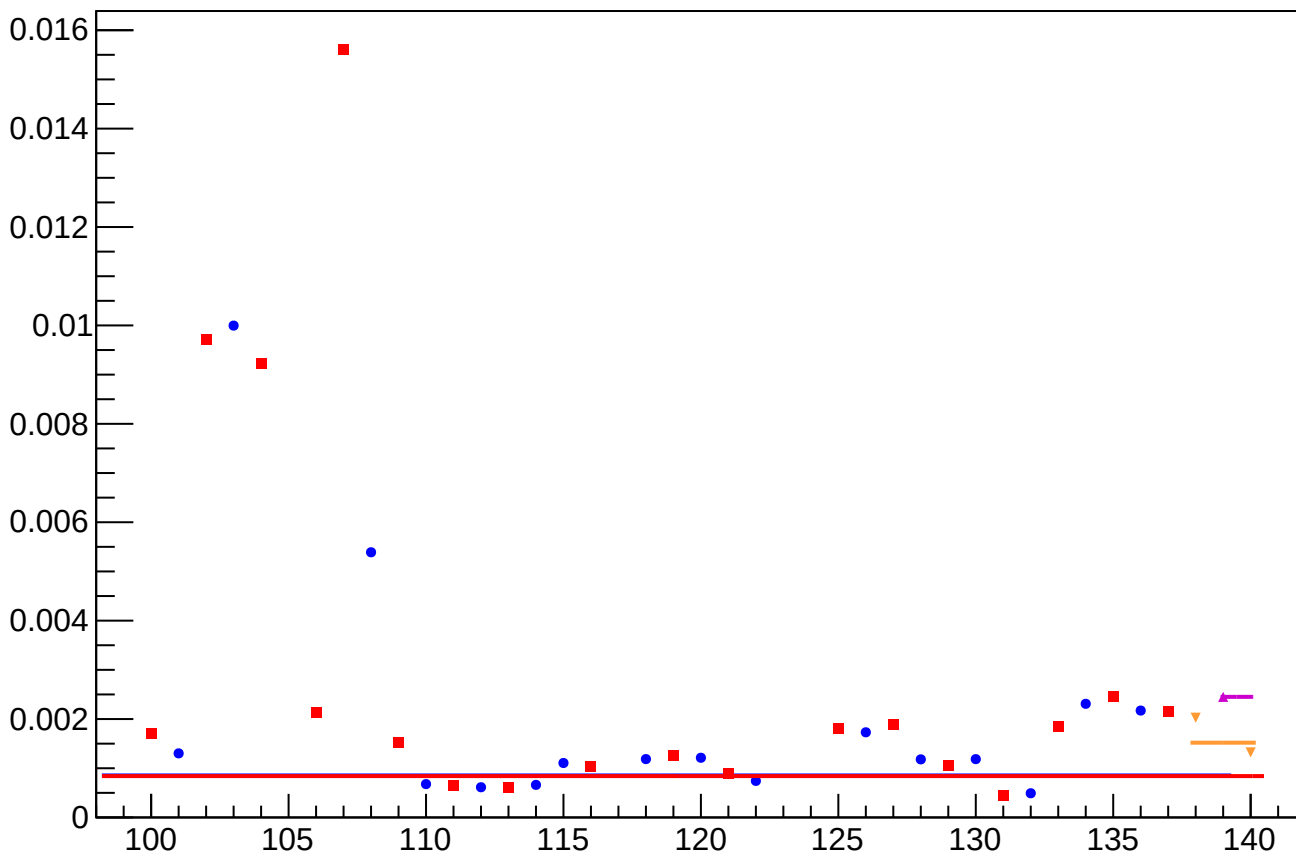
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 17.6/17$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 44.0/36$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 21.4/18$

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 :133131.7/1

Right Out: 0.001+/-0.000 χ^2/NDF : 5039455.2/17

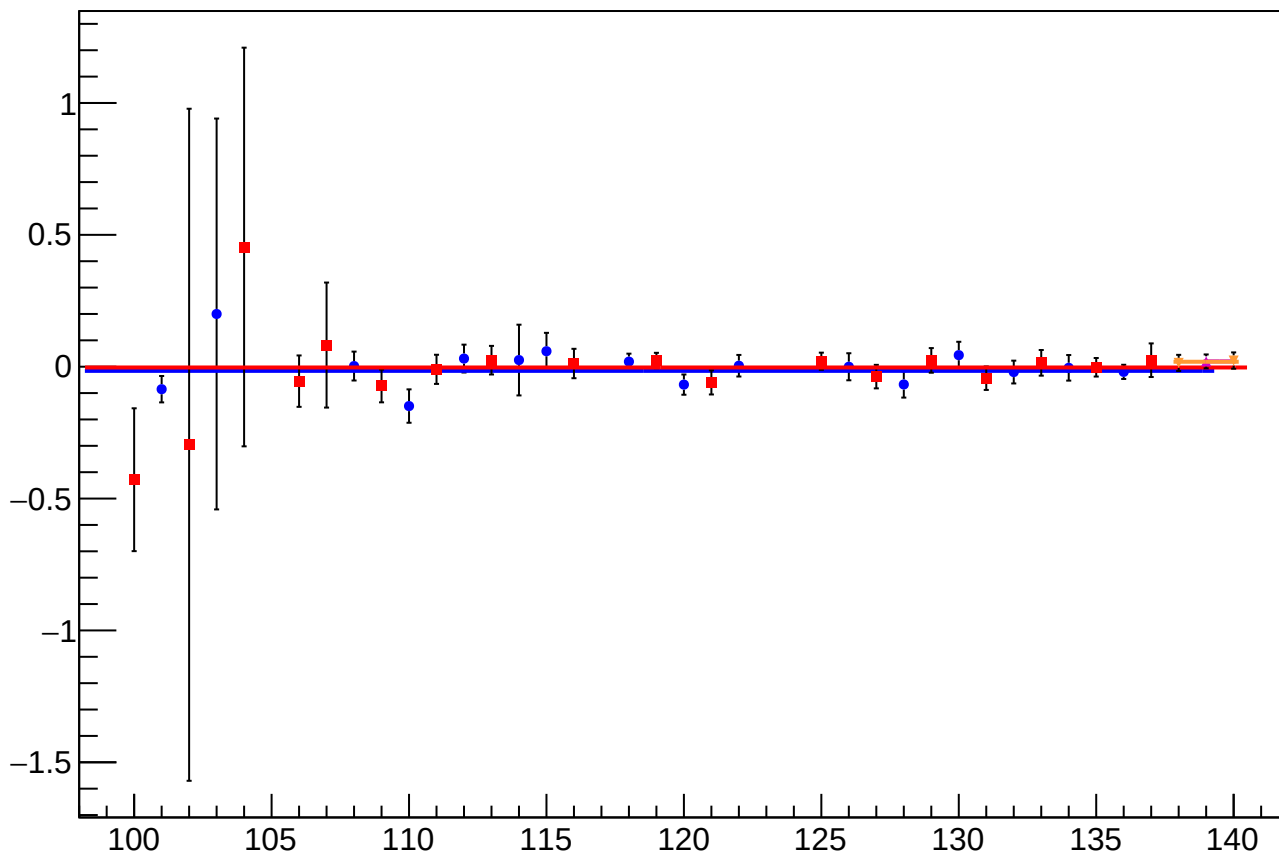
Left In: 0.002+/-0.000 χ^2/NDF :0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 4536266.3/17

All: 0.001+/-0.000 χ^2/NDF : 10282325.0/36

- sign 0.001+/-0.000 χ^2/NDF : 5737219.0/18

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 14.6/15

Left Out: 0.019 ± 0.022 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

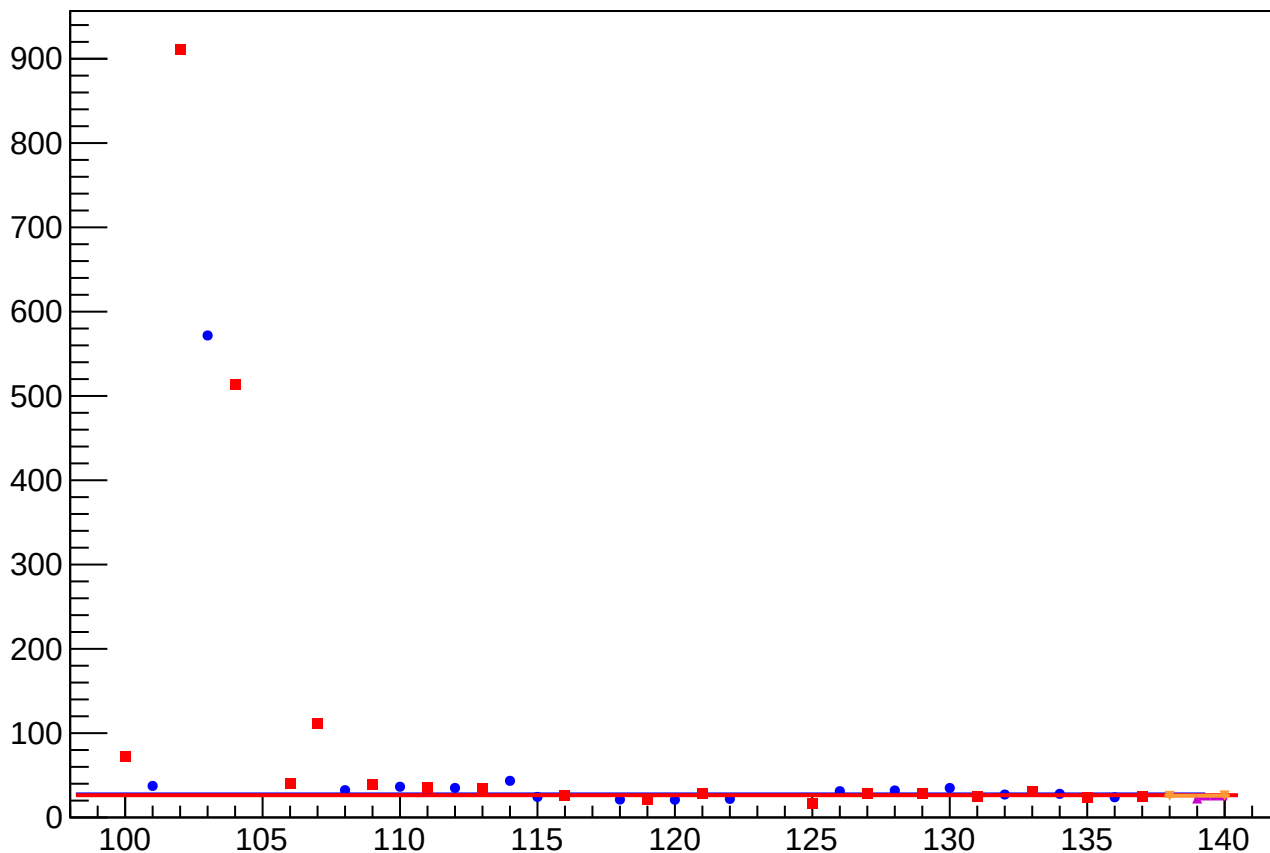
Left In: 0.020 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: -0.004 ± 0.007 χ^2/NDF : 27.5/36

- sign 0.001 ± 0.011 χ^2/NDF : 10.5/18

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF : 1568325.9/15

Left Out: 25.805+/-0.015 χ^2/NDF : 191.6/1

Right Out: 26.400+/-0.009 χ^2/NDF : 2614710.8/17

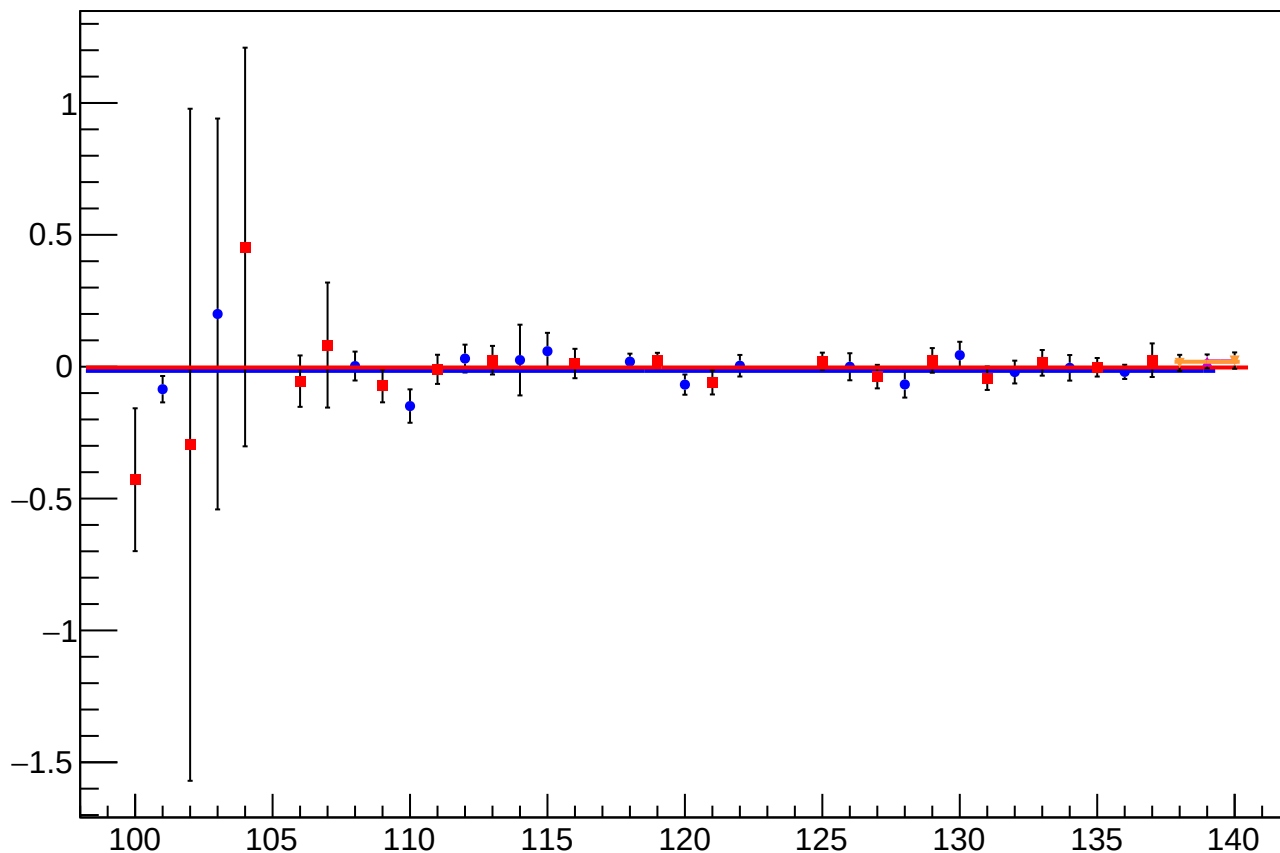
Left In: 22.486+/-0.019 χ^2/NDF : 0.0/0

+ sign 26.975+/-0.007 χ^2/NDF : 1575931.7/17

All: 26.392+/-0.005 χ^2/NDF : 4241325.3/36

- sign 25.723+/-0.008 χ^2/NDF : 2651381.7/18

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 14.6/15

Left Out: 0.019 ± 0.022 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

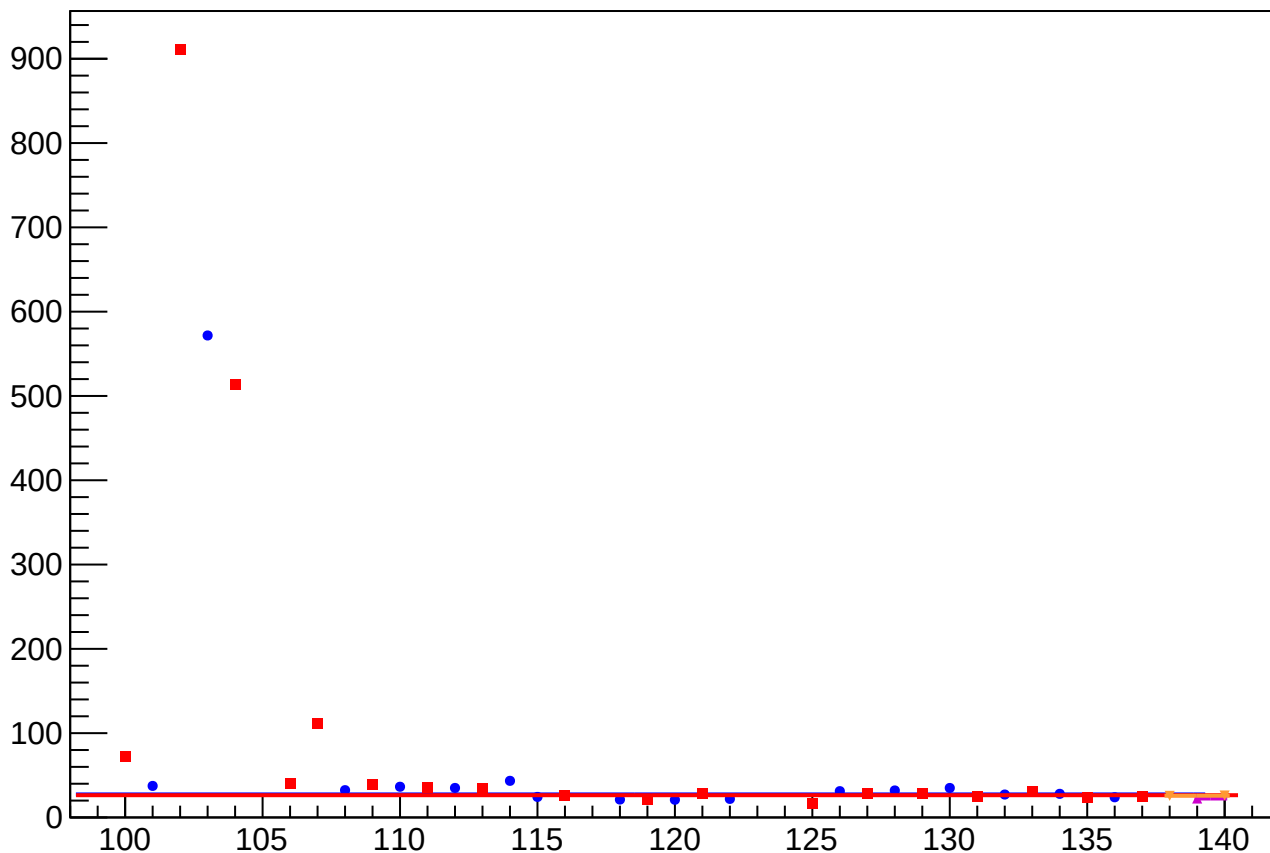
Left In: 0.020 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: -0.004 ± 0.007 χ^2/NDF : 27.5/36

- sign 0.001 ± 0.011 χ^2/NDF : 10.5/18

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305 $\pm$ 0.008 χ^2 /NDF: 1568325.9/15

Left Out: 25.805 $\pm$ 0.015 χ^2 /NDF: 191.6/1

Right Out: 26.400 $\pm$ 0.009 χ^2 /NDF: 2614710.8/17

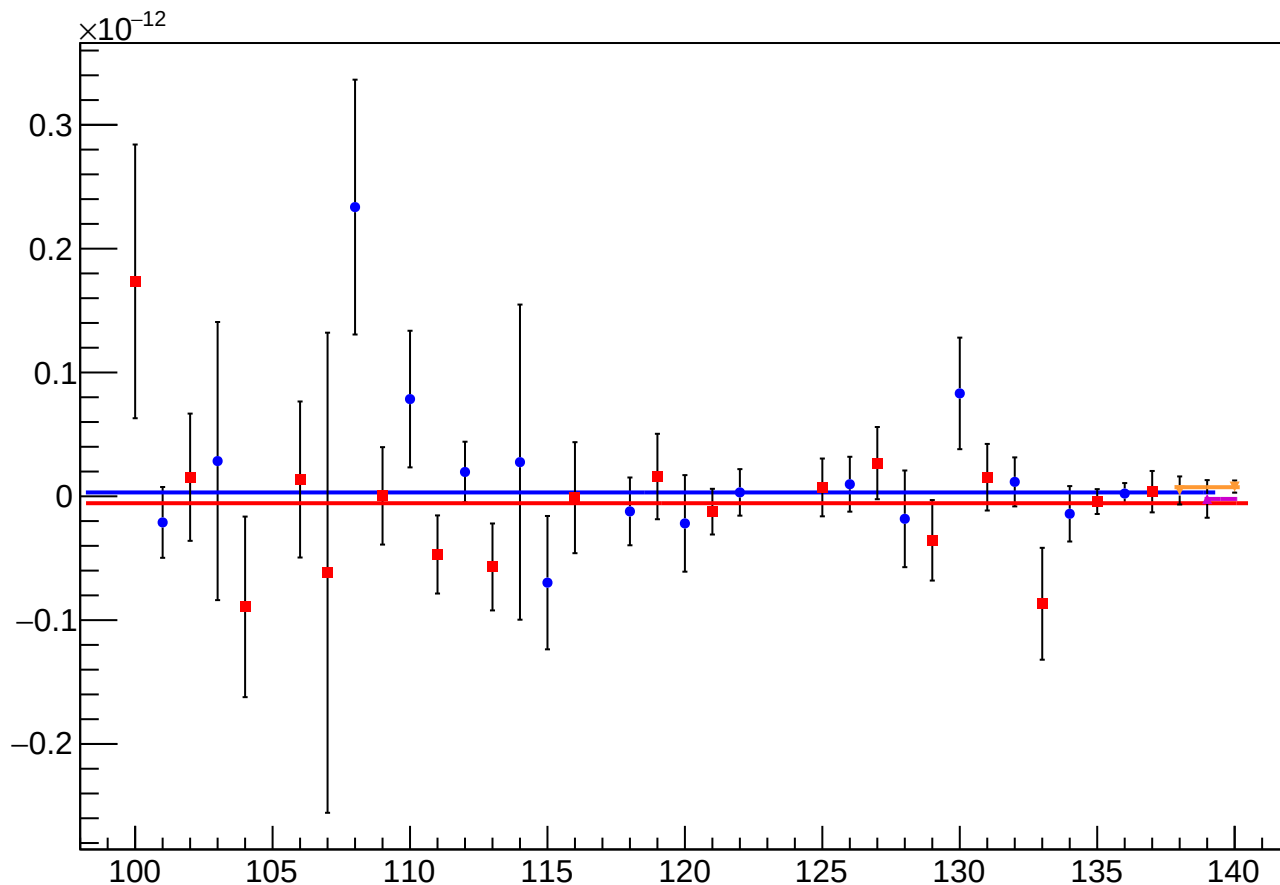
Left In: 22.486 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 26.975 $\pm$ 0.007 χ^2 /NDF: 1575931.7/17

All: 26.392 $\pm$ 0.005 χ^2 /NDF: 4241325.3/36

- sign 25.723 $\pm$ 0.008 χ^2 /NDF: 2651381.7/18

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/17

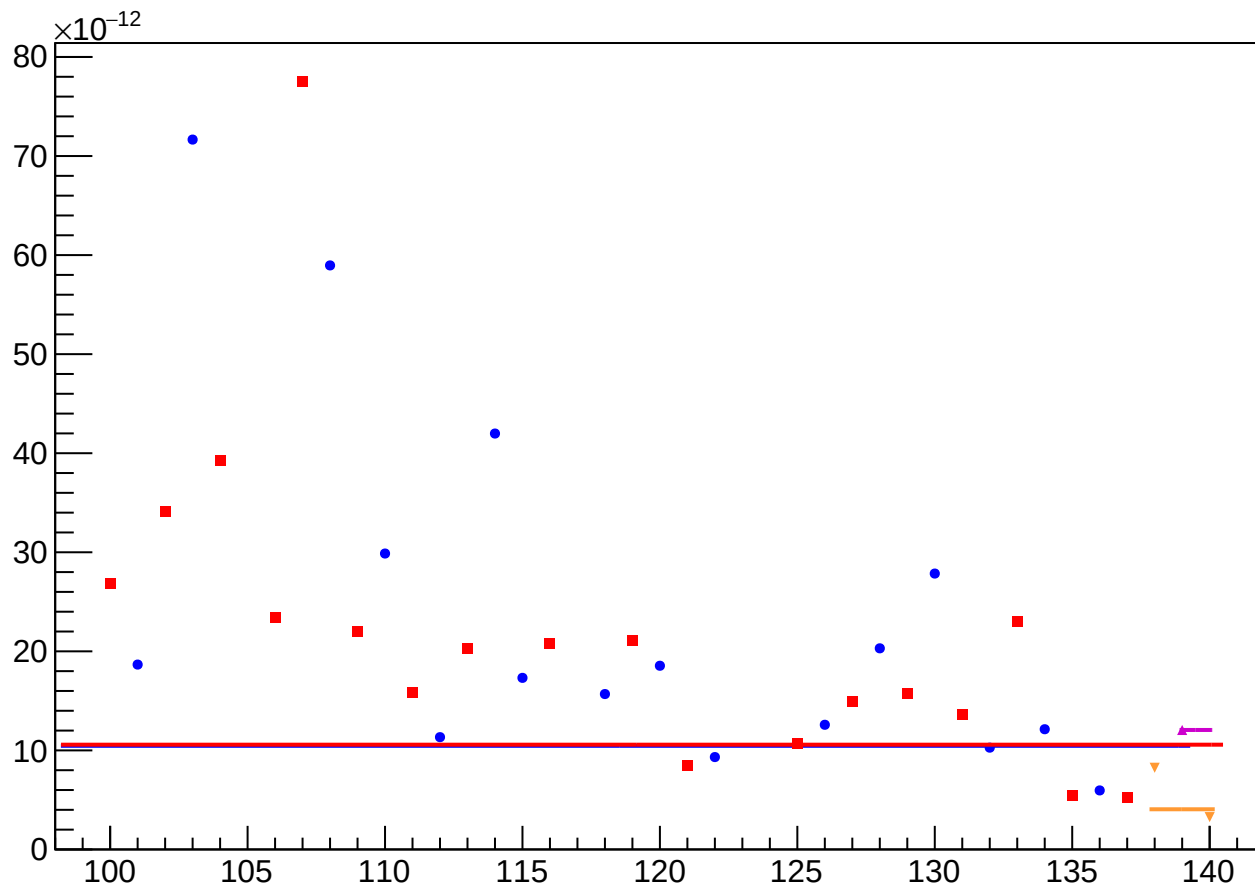
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.4/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/18

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 325778.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2771384.1/17

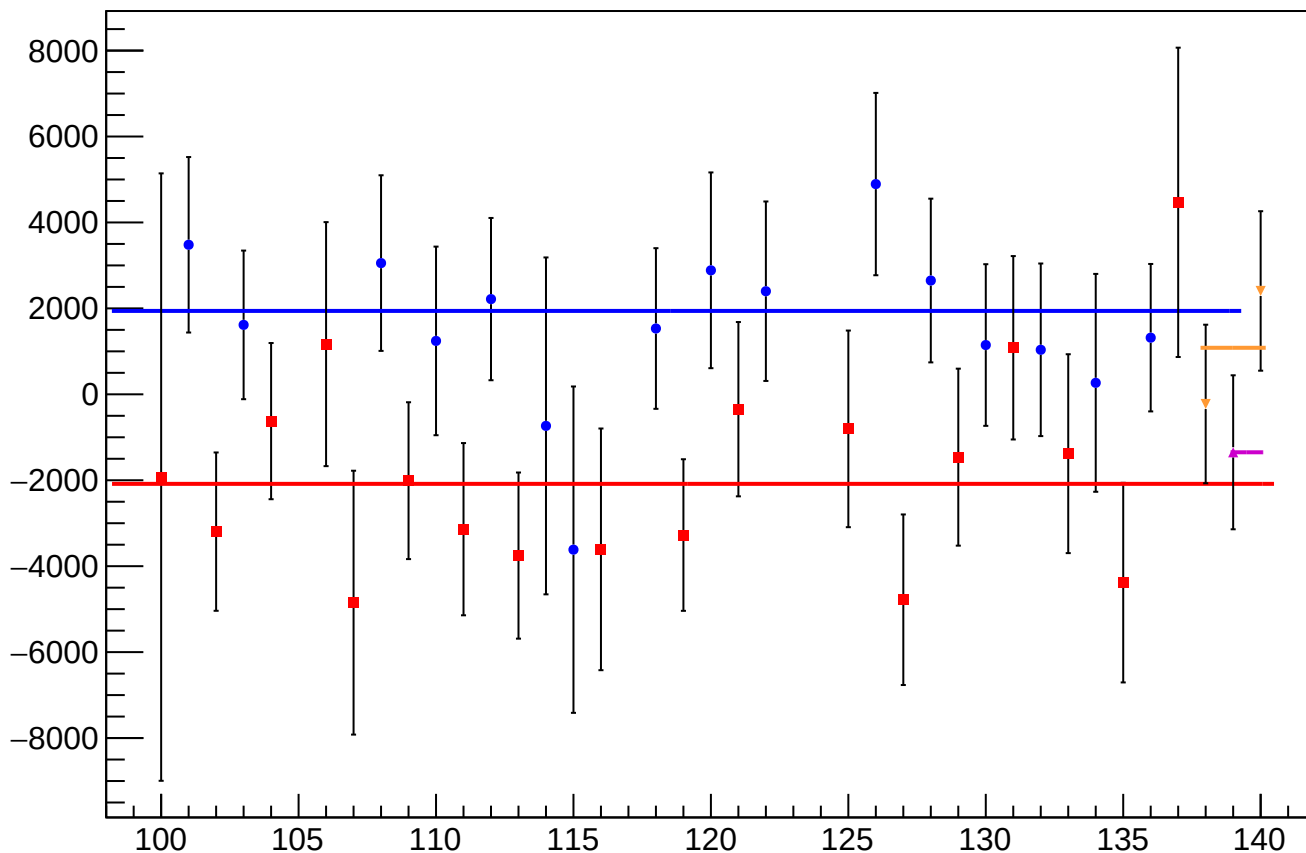
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4660618.2/17

All: 0.000+/-0.000 χ^2/NDF : 8271028.6/36

- sign 0.000+/-0.000 χ^2/NDF : 2787855.0/18

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 1082.927 $\pm$ 1308.611 χ^2 /NDF:1.0/1

Right Out: -2083.952 $\pm$ 519.583 χ^2 /NDF: 14.5/17

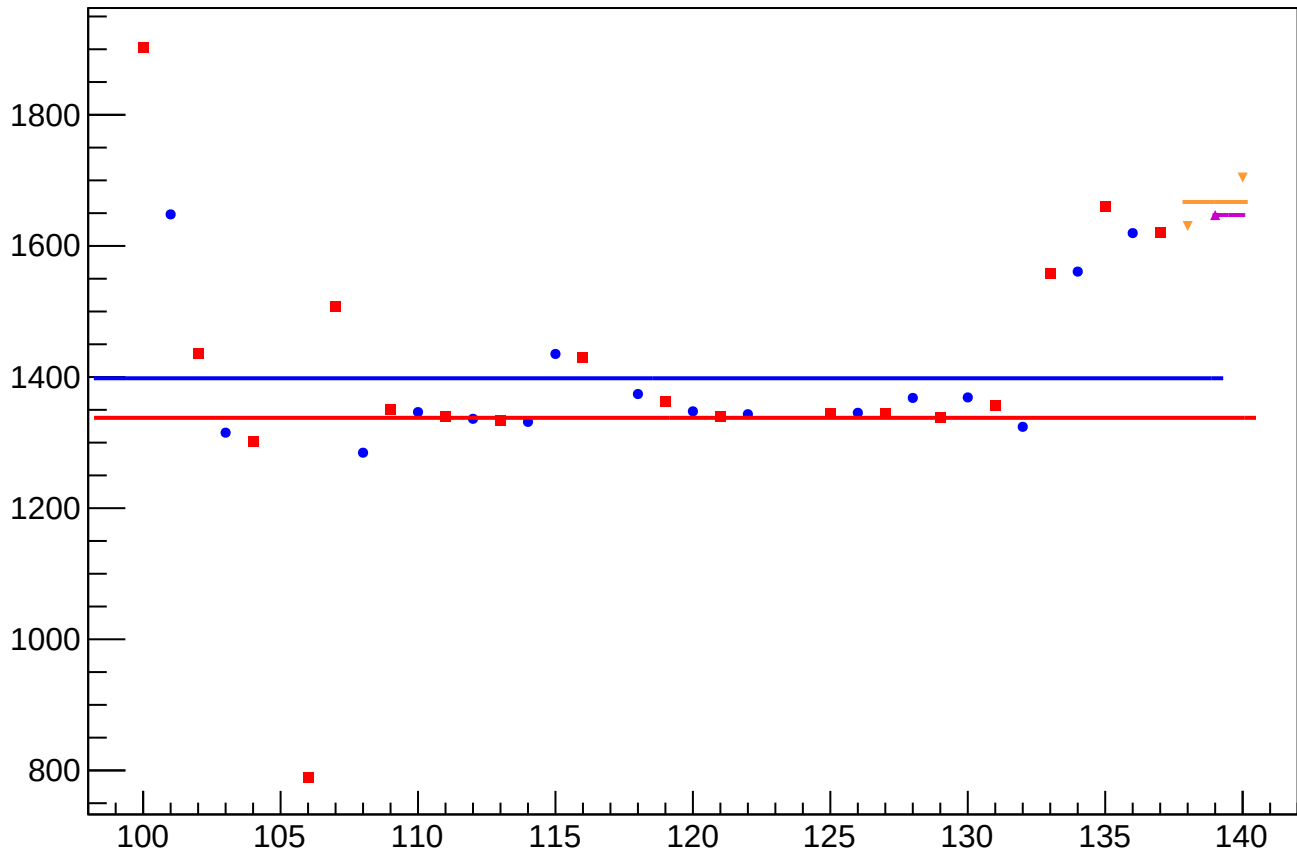
Left In: -1349.227 $\pm$ 1792.069 χ^2 /NDF:0.0/0

+ sign 1823.119 $\pm$ 484.989 χ^2 /NDF: 8.3/17

All: -46.995 $\pm$ 347.797 χ^2 /NDF: 53.5/36

- sign -2026.978 $\pm$ 499.032 χ^2 /NDF: 14.6/18

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161 $\pm$ 0.369 χ^2 /NDF: 93923.6/15

Left Out: 1667.062 $\pm$ 0.925 χ^2 /NDF:1596.9/1

Right Out: 1337.819 $\pm$ 0.356 χ^2 /NDF: 317763.3/17

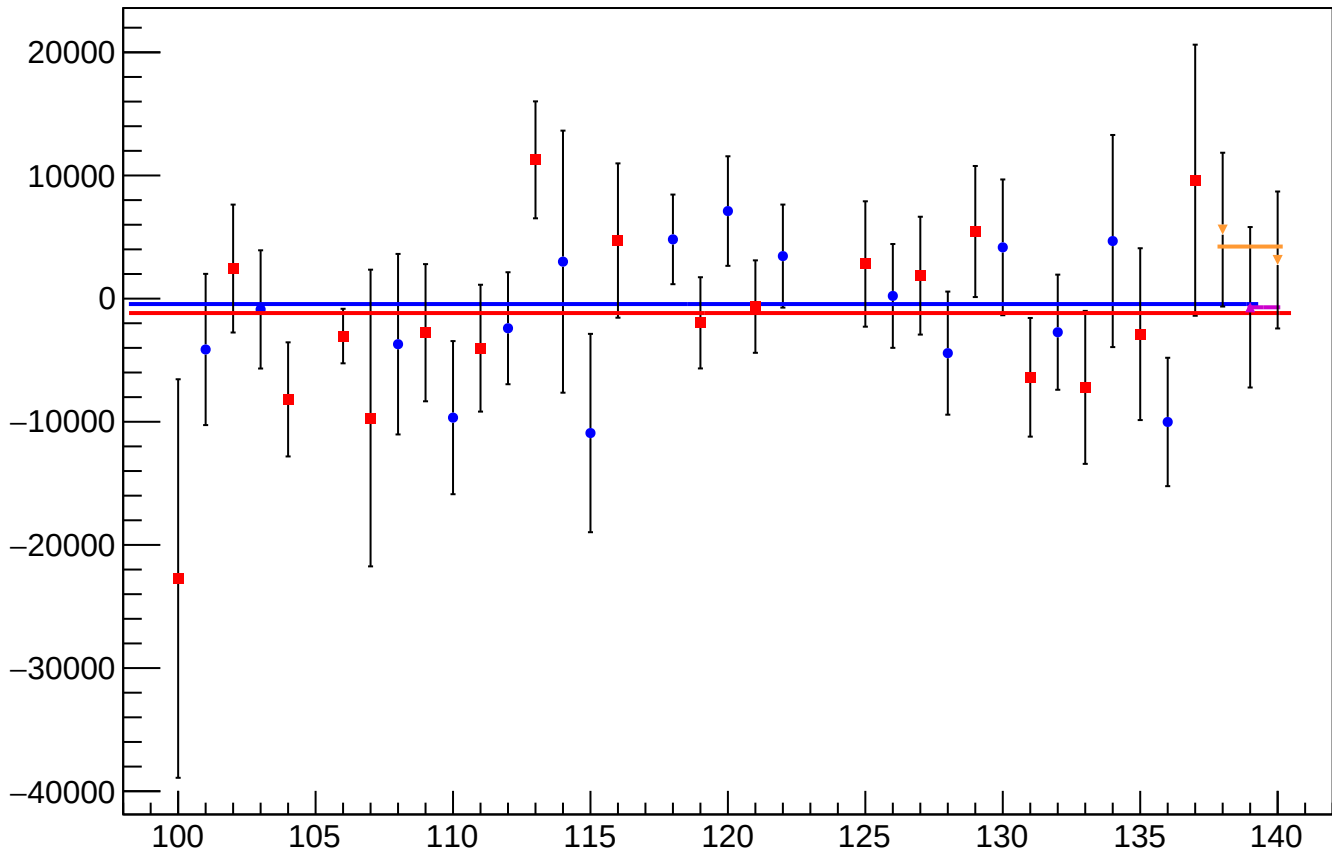
Left In: 1647.147 $\pm$ 1.267 χ^2 /NDF:0.0/0

+ sign 1435.096 $\pm$ 0.343 χ^2 /NDF: 168370.1/17

All: 1397.734 $\pm$ 0.242 χ^2 /NDF: 565082.4/36

- sign 1360.436 $\pm$ 0.343 χ^2 /NDF: 372994.5/18

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -441.138 ± 1295.916 χ^2/NDF : 15.9/15

Left Out: 4228.087 ± 4153.021 χ^2/NDF : 0.1/1

Right Out: -1171.548 ± 1119.890 χ^2/NDF : 19.7/17

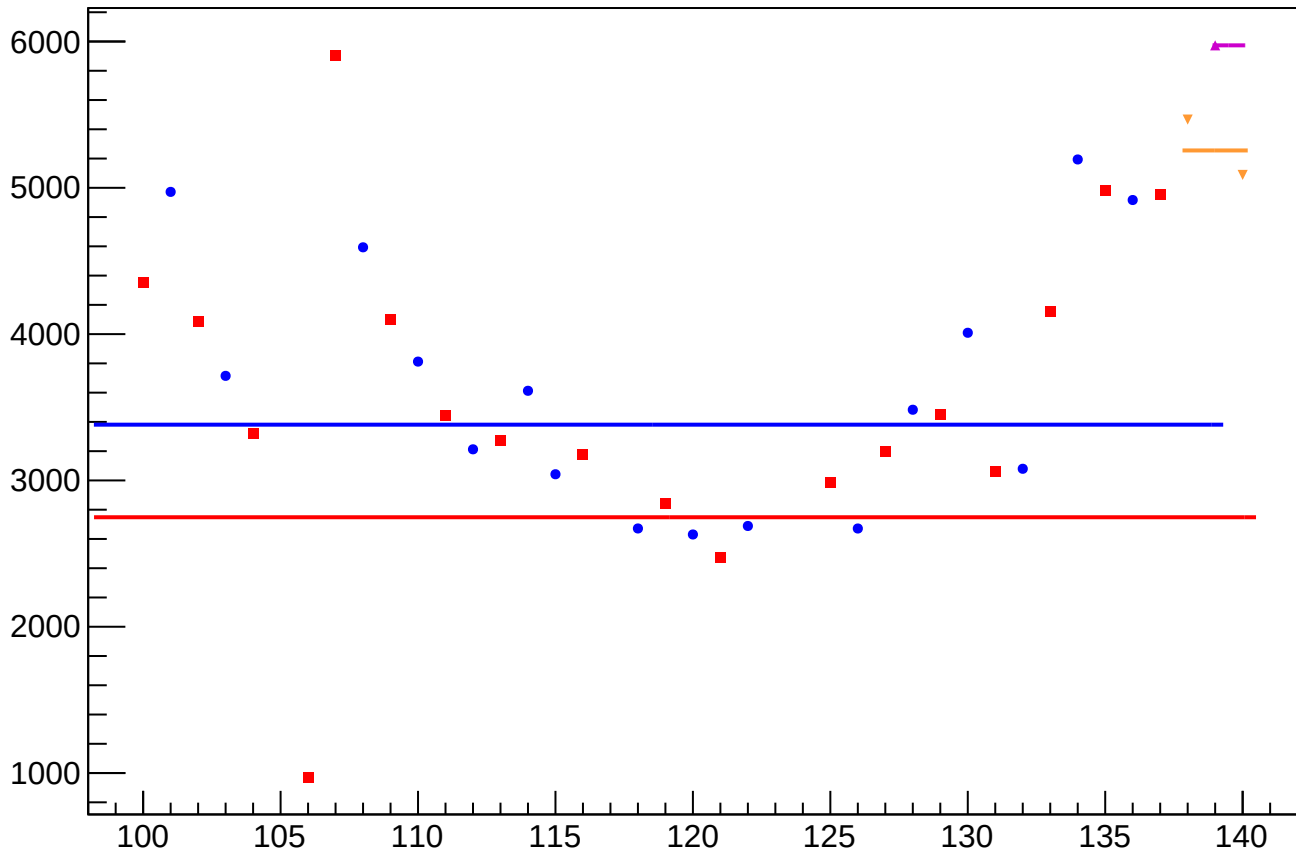
Left In: -702.909 ± 6515.247 χ^2/NDF : 0.0/0

+ sign -26.835 ± 1237.087 χ^2/NDF : 17.1/17

All: -656.721 ± 823.571 χ^2/NDF : 37.3/36

- sign -1158.099 ± 1103.704 χ^2/NDF : 19.7/18

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF : 757146.6/15

Left Out: 5255.380+/-2.937 χ^2/NDF : 4093.3/1

+ sign 3547.421+/-0.875 χ^2/NDF : 1132441.5/17

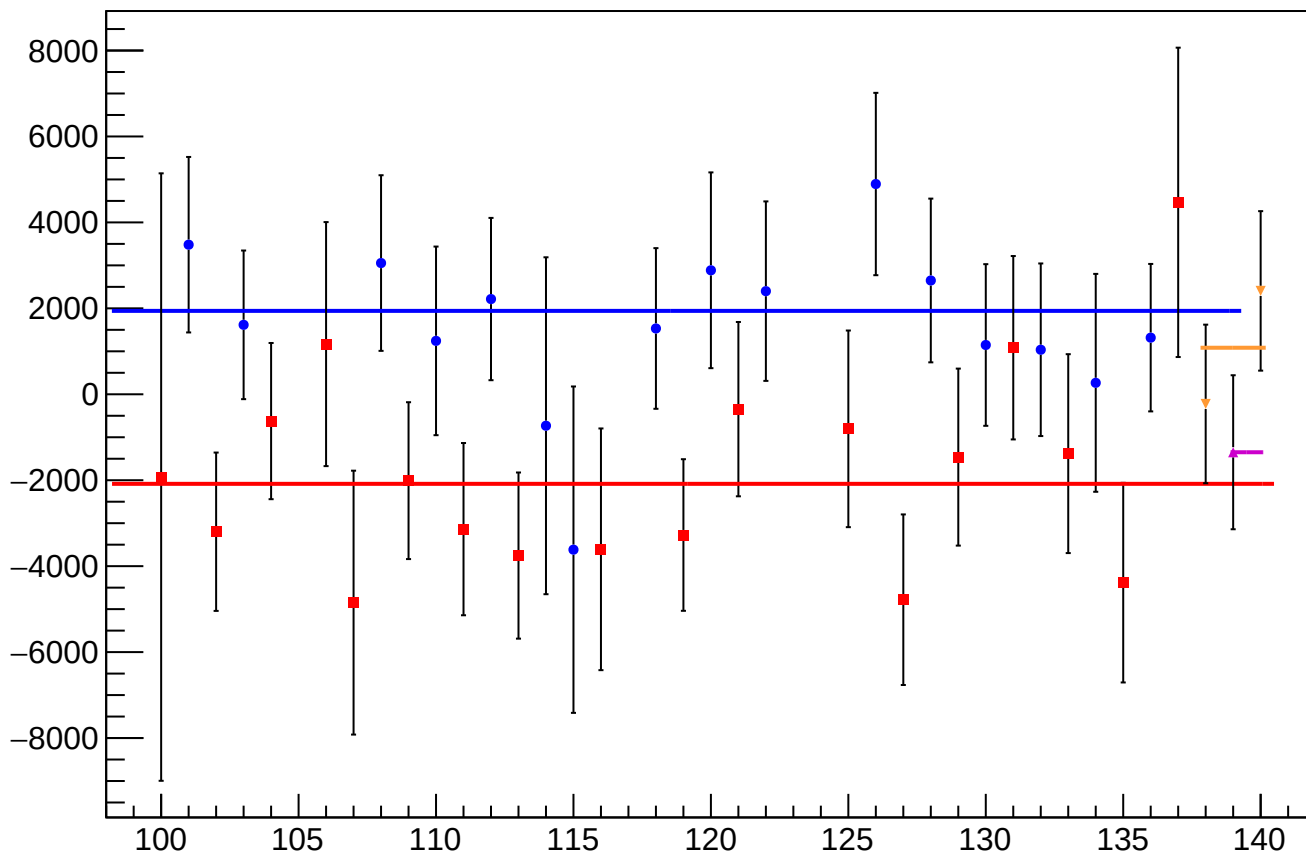
Right Out: 2748.372+/-0.792 χ^2/NDF : 2264563.8/17

All: 3154.050+/-0.582 χ^2/NDF : 4236282.6/36

- sign 2840.932+/-0.780 χ^2/NDF : 2740647.8/18

Left In: 5973.749+/-4.607 χ^2/NDF : 0.0/0

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 1083.137 $\pm$ 1308.611 χ^2 /NDF:1.0/1

Right Out: -2084.166 $\pm$ 519.587 χ^2 /NDF: 14.5/17

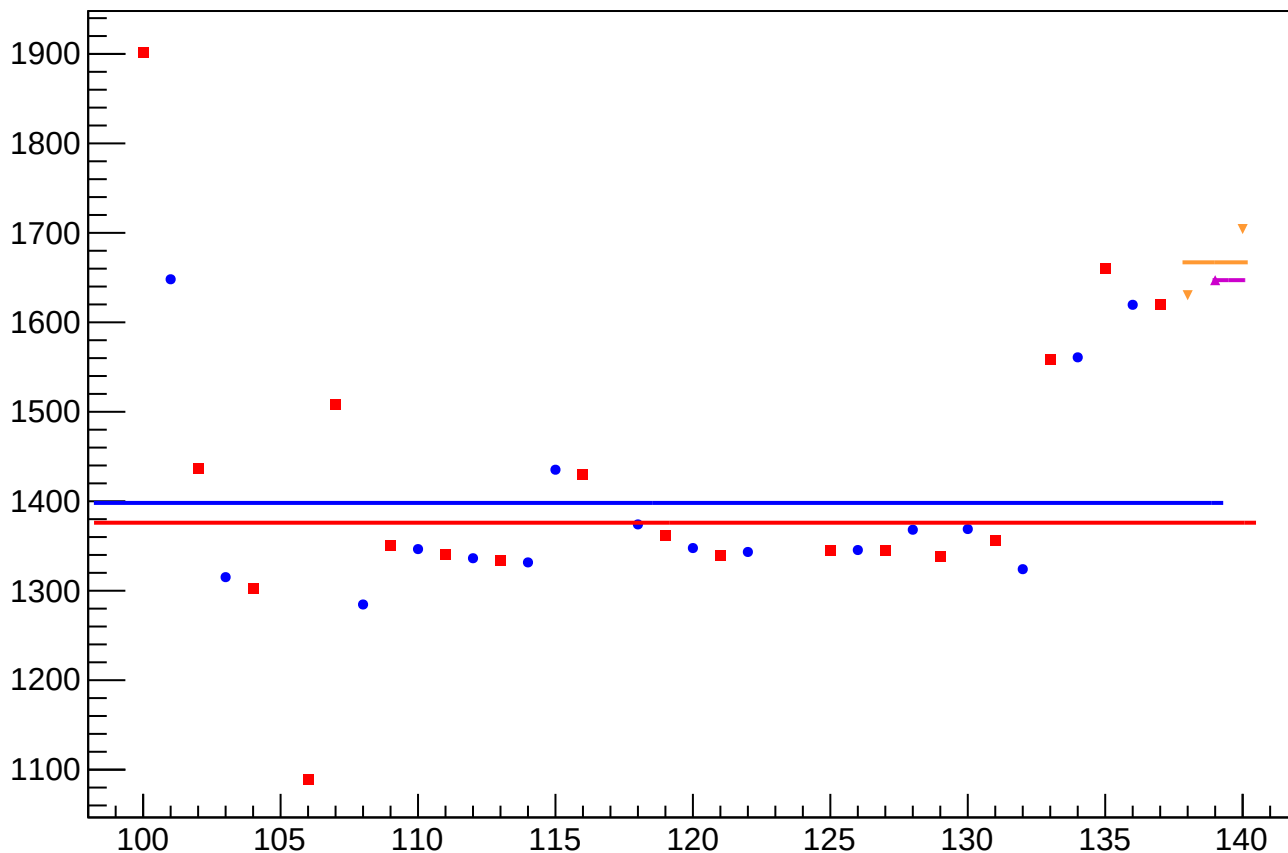
Left In: -1349.039 $\pm$ 1792.069 χ^2 /NDF:0.0/0

+ sign 1823.196 $\pm$ 484.989 χ^2 /NDF: 8.3/17

All: -47.034 $\pm$ 347.798 χ^2 /NDF: 53.6/36

- sign -2027.161 $\pm$ 499.035 χ^2 /NDF: 14.6/18

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF : 1596.9/1

Right Out: 1376.021+/-0.363 χ^2/NDF : 114033.6/17

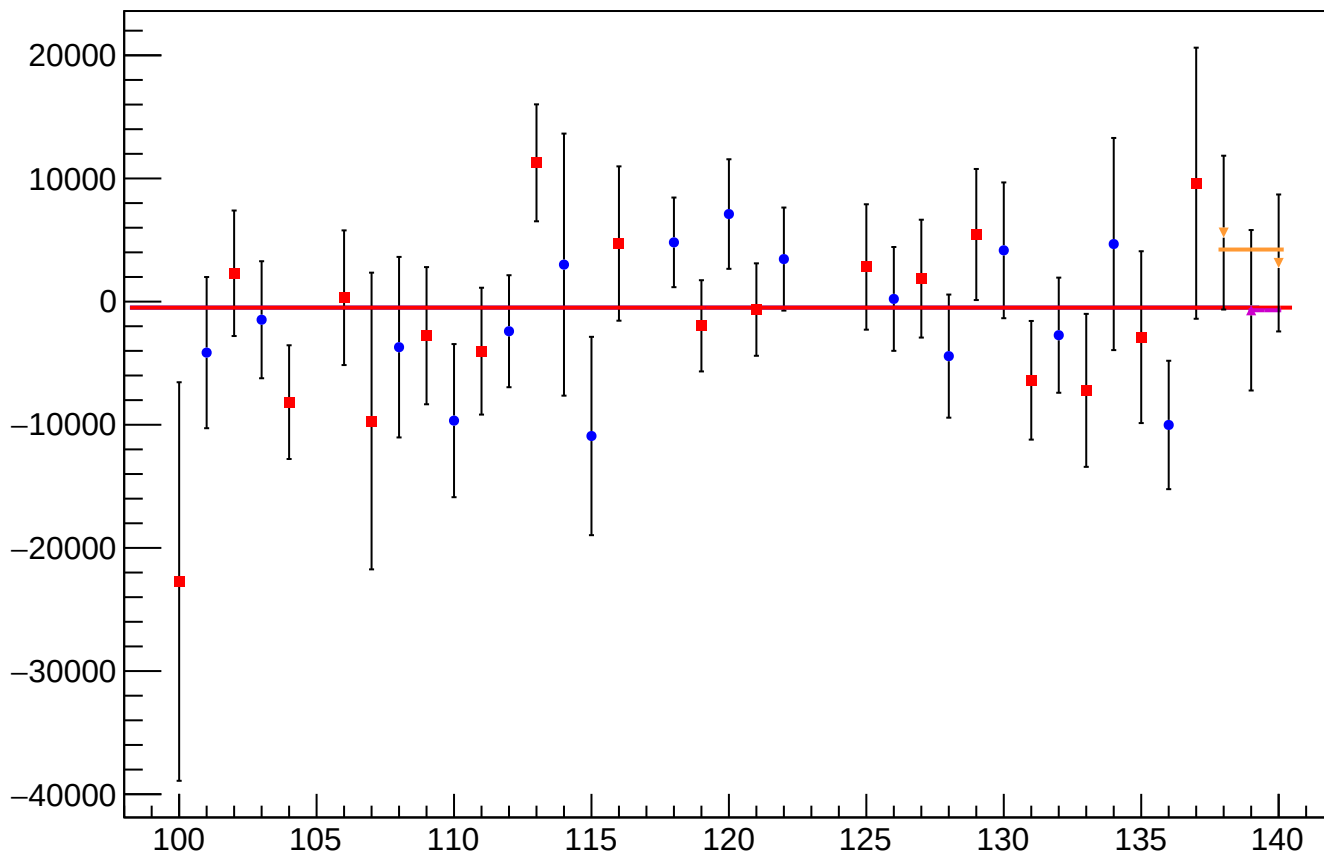
Left In: 1647.147+/-1.267 χ^2/NDF : 0.0/0

+ sign 1435.095+/-0.343 χ^2/NDF : 168370.1/17

All: 1416.126+/-0.244 χ^2/NDF : 330939.3/36

- sign 1396.532+/-0.349 χ^2/NDF : 156349.1/18

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -486.563 ± 1294.930 χ^2/NDF : 15.9/15

Left Out: 4228.383 ± 4153.020 χ^2/NDF : 0.1/1

Right Out: -488.594 ± 1261.315 χ^2/NDF : 18.7/17

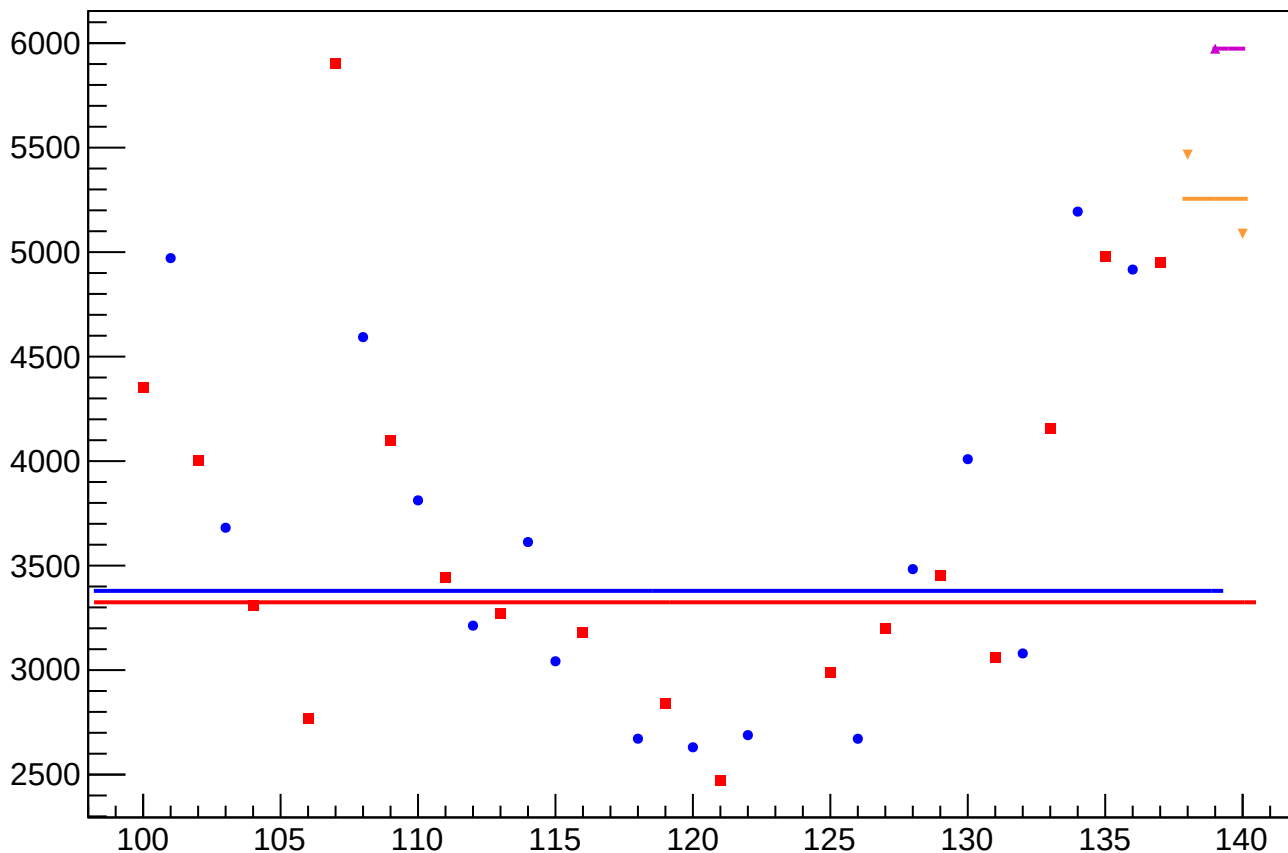
Left In: -702.921 ± 6515.242 χ^2/NDF : 0.0/0

+ sign -68.784 ± 1236.230 χ^2/NDF : 17.2/17

All: -282.198 ± 874.886 χ^2/NDF : 36.0/36

- sign -496.337 ± 1238.323 χ^2/NDF : 18.7/18

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF : 755339.9/15

Left Out: 5255.379+/-2.937 χ^2/NDF : 4093.5/1

Right Out: 3324.449+/-0.892 χ^2/NDF : 543813.3/17

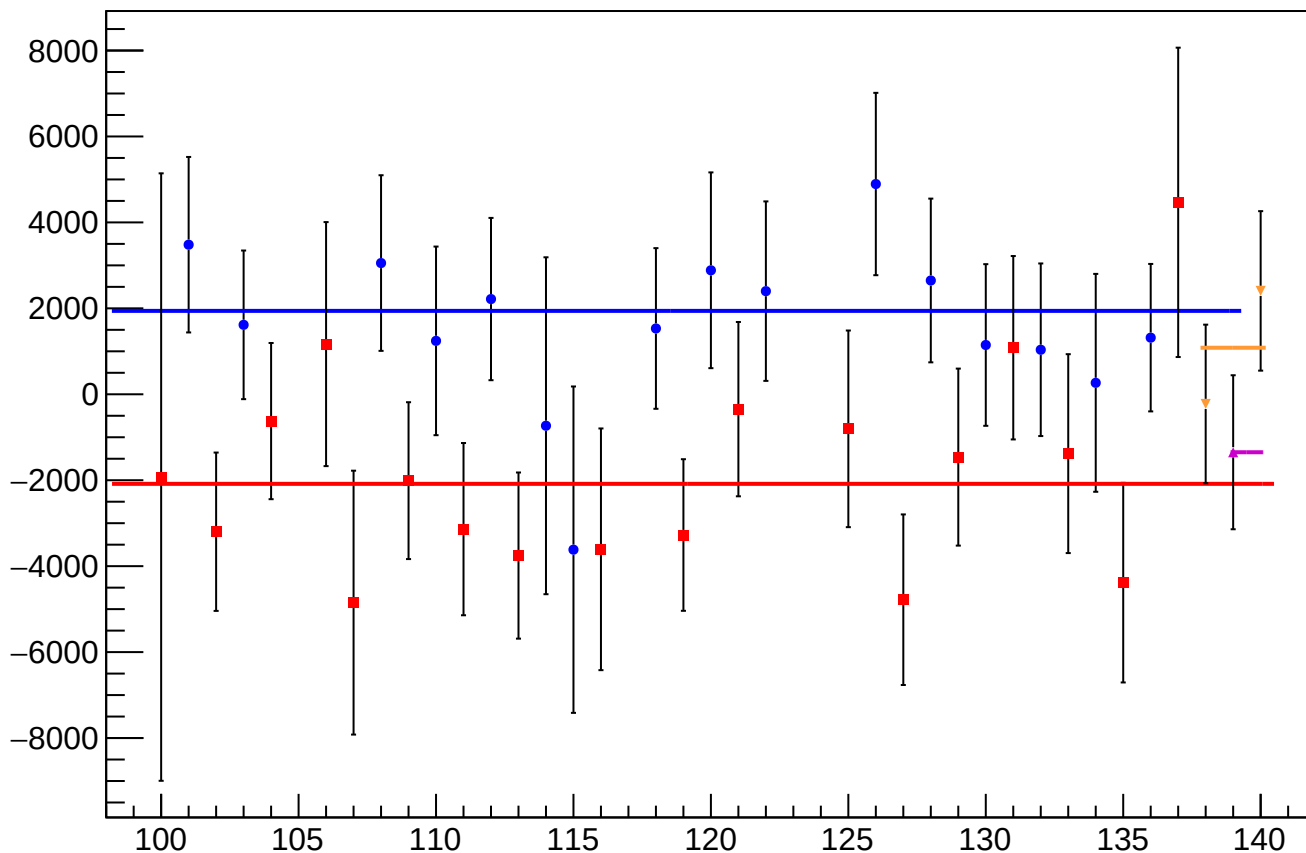
Left In: 5973.745+/-4.607 χ^2/NDF : 0.0/0

+ sign 3545.362+/-0.874 χ^2/NDF : 1131480.2/17

All: 3482.864+/-0.619 χ^2/NDF : 2004284.0/36

- sign 3420.155+/-0.876 χ^2/NDF : 862563.4/18

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 1083.137 $\pm$ 1308.611 χ^2 /NDF:1.0/1

Right Out: -2084.166 $\pm$ 519.587 χ^2 /NDF: 14.5/17

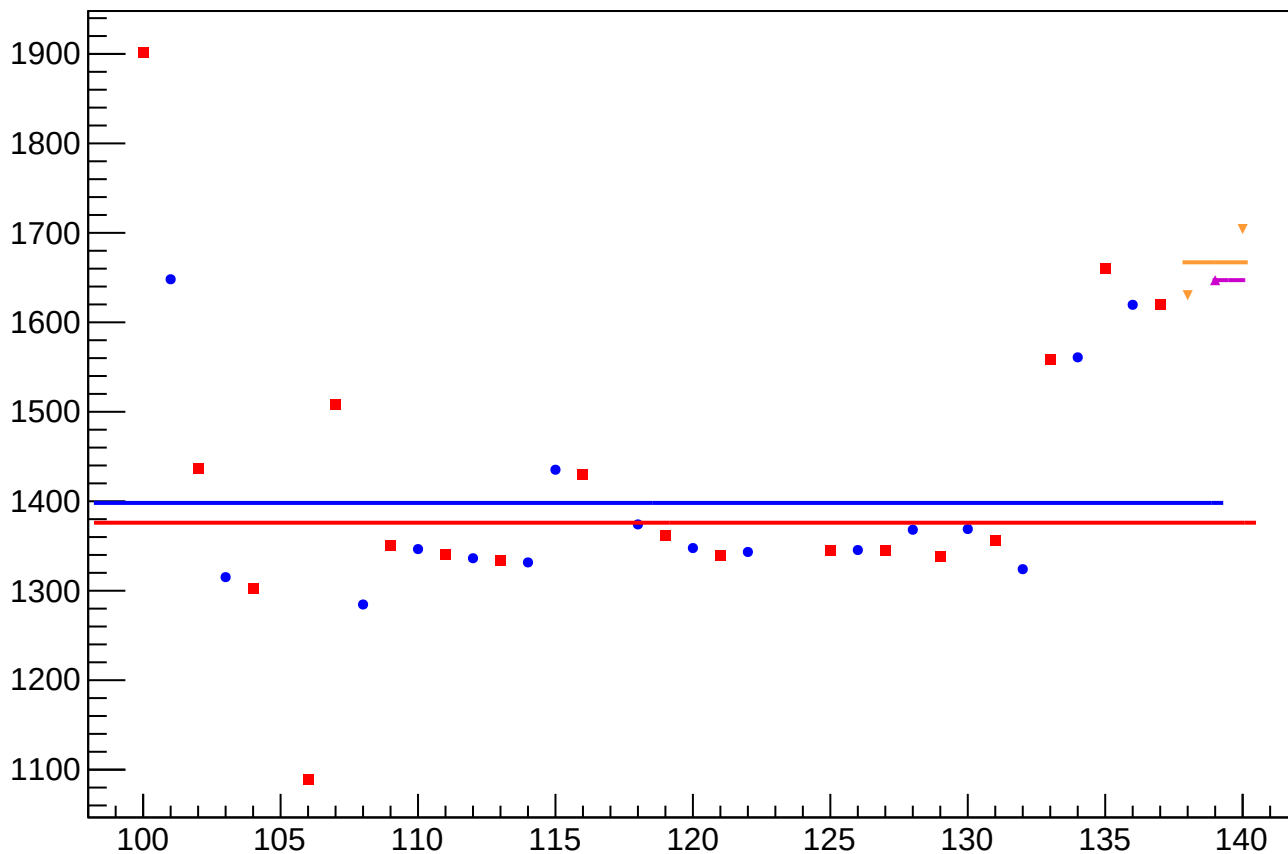
Left In: -1349.039 $\pm$ 1792.069 χ^2 /NDF:0.0/0

+ sign 1823.196 $\pm$ 484.989 χ^2 /NDF: 8.3/17

All: -47.034 $\pm$ 347.798 χ^2 /NDF: 53.6/36

- sign -2027.161 $\pm$ 499.035 χ^2 /NDF: 14.6/18

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161 $\pm$ 0.369 χ^2 /NDF: 93923.6/15

Left Out: 1667.062 $\pm$ 0.925 χ^2 /NDF: 1596.9/1

Right Out: 1376.021 $\pm$ 0.363 χ^2 /NDF: 114033.6/17

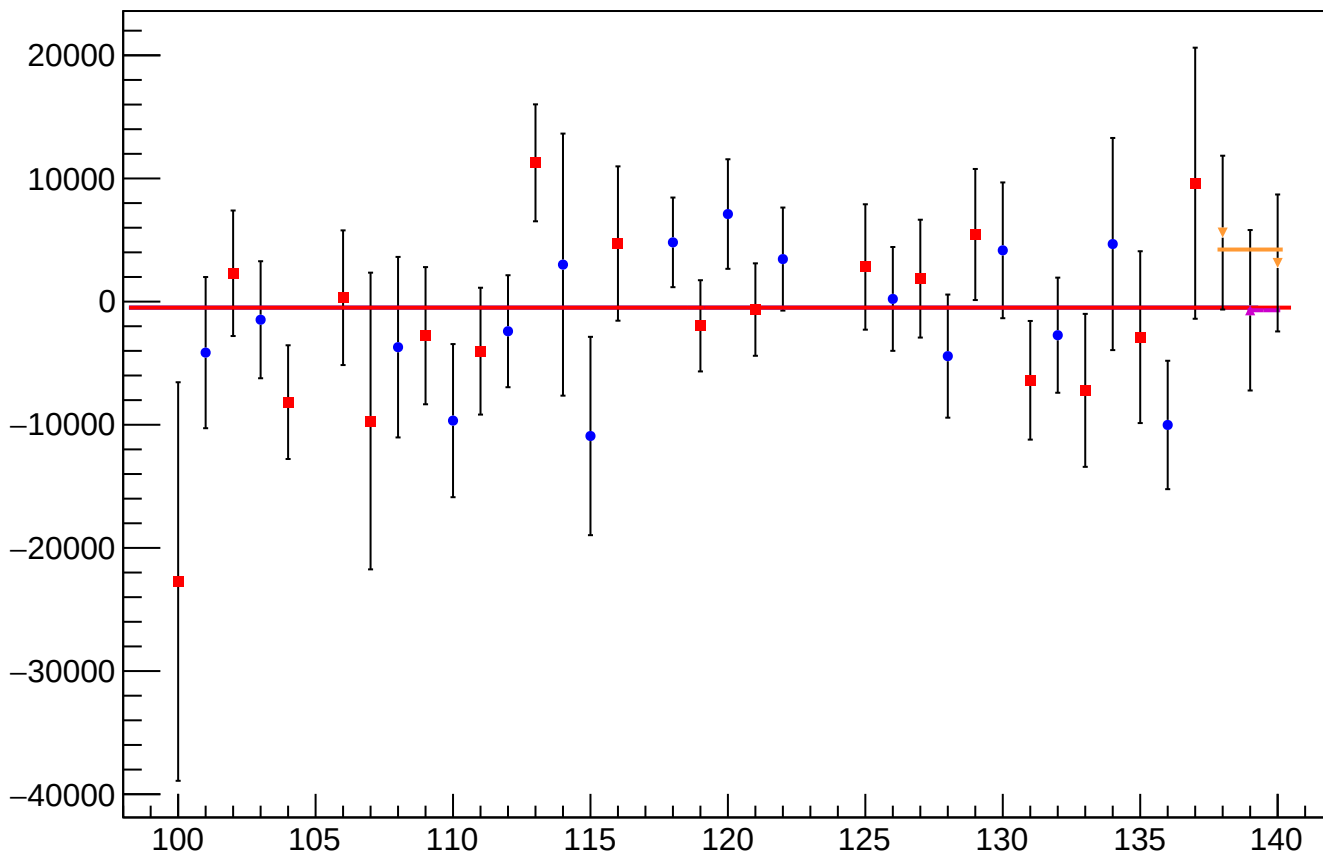
Left In: 1647.147 $\pm$ 1.267 χ^2 /NDF: 0.0/0

+ sign 1435.095 $\pm$ 0.343 χ^2 /NDF: 168370.1/17

All: 1416.126 $\pm$ 0.244 χ^2 /NDF: 330939.3/36

- sign 1396.532 $\pm$ 0.349 χ^2 /NDF: 156349.1/18

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -486.563 ± 1294.930 χ^2/NDF : 15.9/15

Left Out: 4228.383 ± 4153.020 χ^2/NDF : 0.1/1

Right Out: -488.594 ± 1261.315 χ^2/NDF : 18.7/17

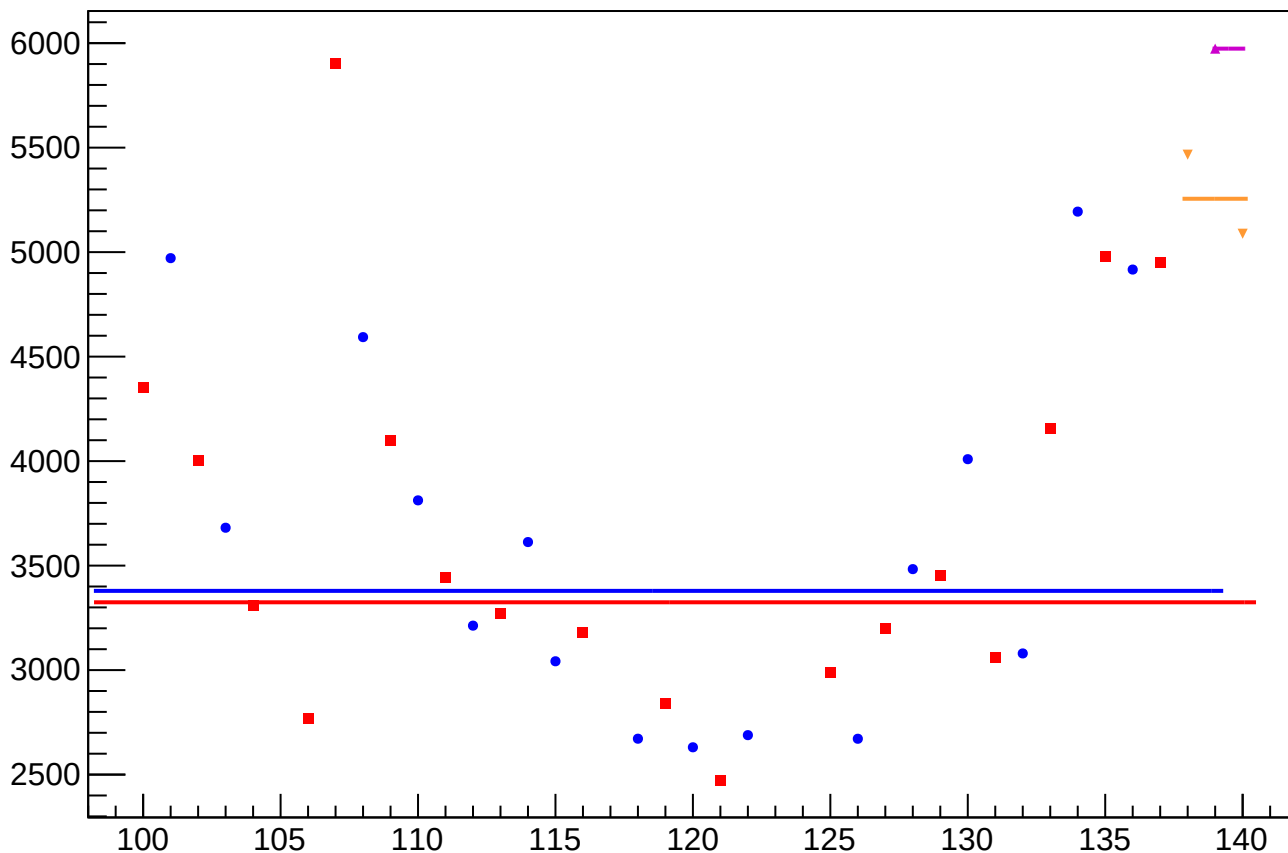
Left In: -702.921 ± 6515.242 χ^2/NDF : 0.0/0

+ sign -68.784 ± 1236.230 χ^2/NDF : 17.2/17

All: -282.198 ± 874.886 χ^2/NDF : 36.0/36

- sign -496.337 ± 1238.323 χ^2/NDF : 18.7/18

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF : 755339.9/15

Left Out: 5255.379+/-2.937 χ^2/NDF : 4093.5/1

Right Out: 3324.449+/-0.892 χ^2/NDF : 543813.3/17

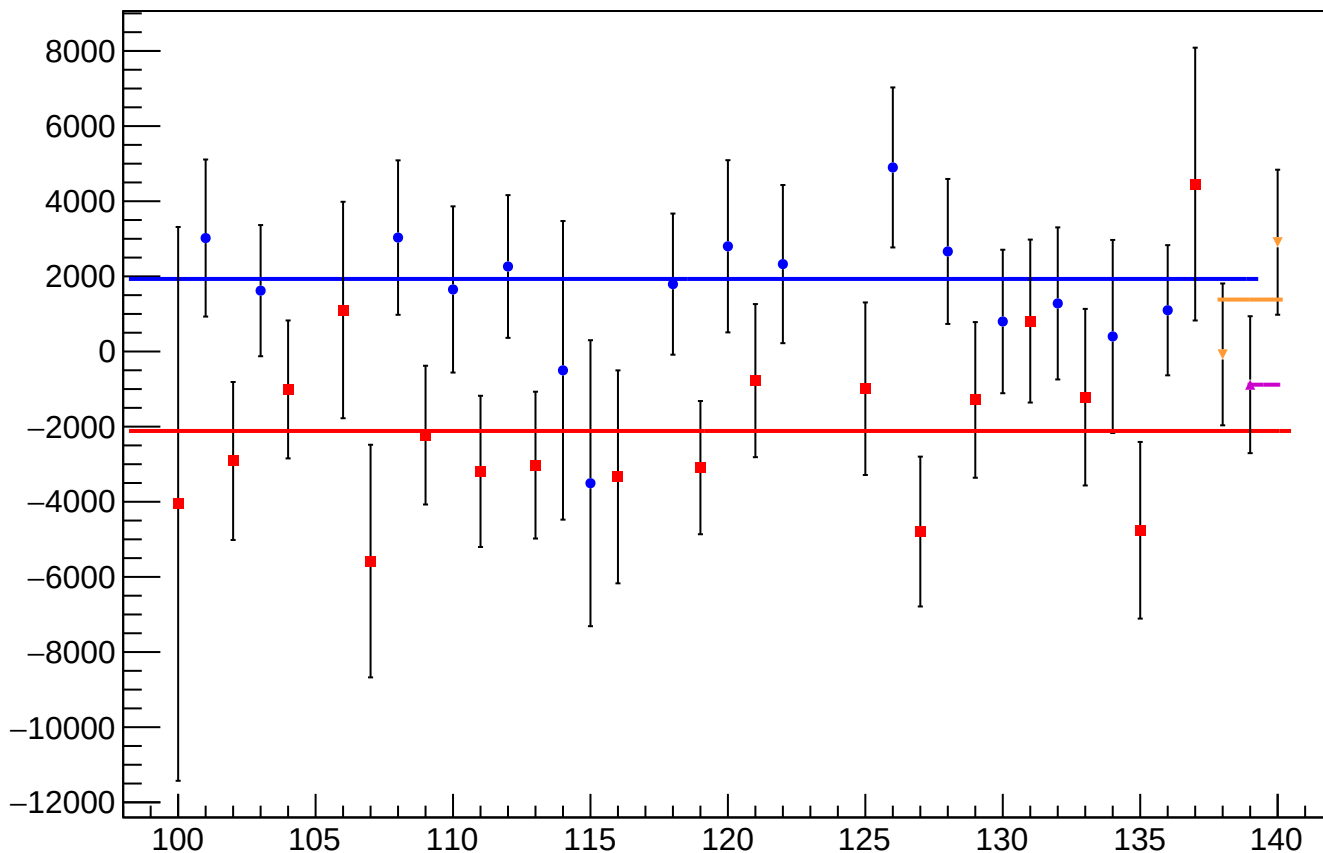
Left In: 5973.745+/-4.607 χ^2/NDF : 0.0/0

+ sign 3545.362+/-0.874 χ^2/NDF : 1131480.2/17

All: 3482.864+/-0.619 χ^2/NDF : 2004284.0/30

- sign 3420.155+/-0.876 χ^2/NDF : 862563.4/18

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537 $\pm$ 527.135 χ^2 /NDF: 6.4/15

Left Out: 1382.641 $\pm$ 1349.555 χ^2 /NDF:1.2/1

Right Out: -2115.195 $\pm$ 528.802 χ^2 /NDF: 13.2/17

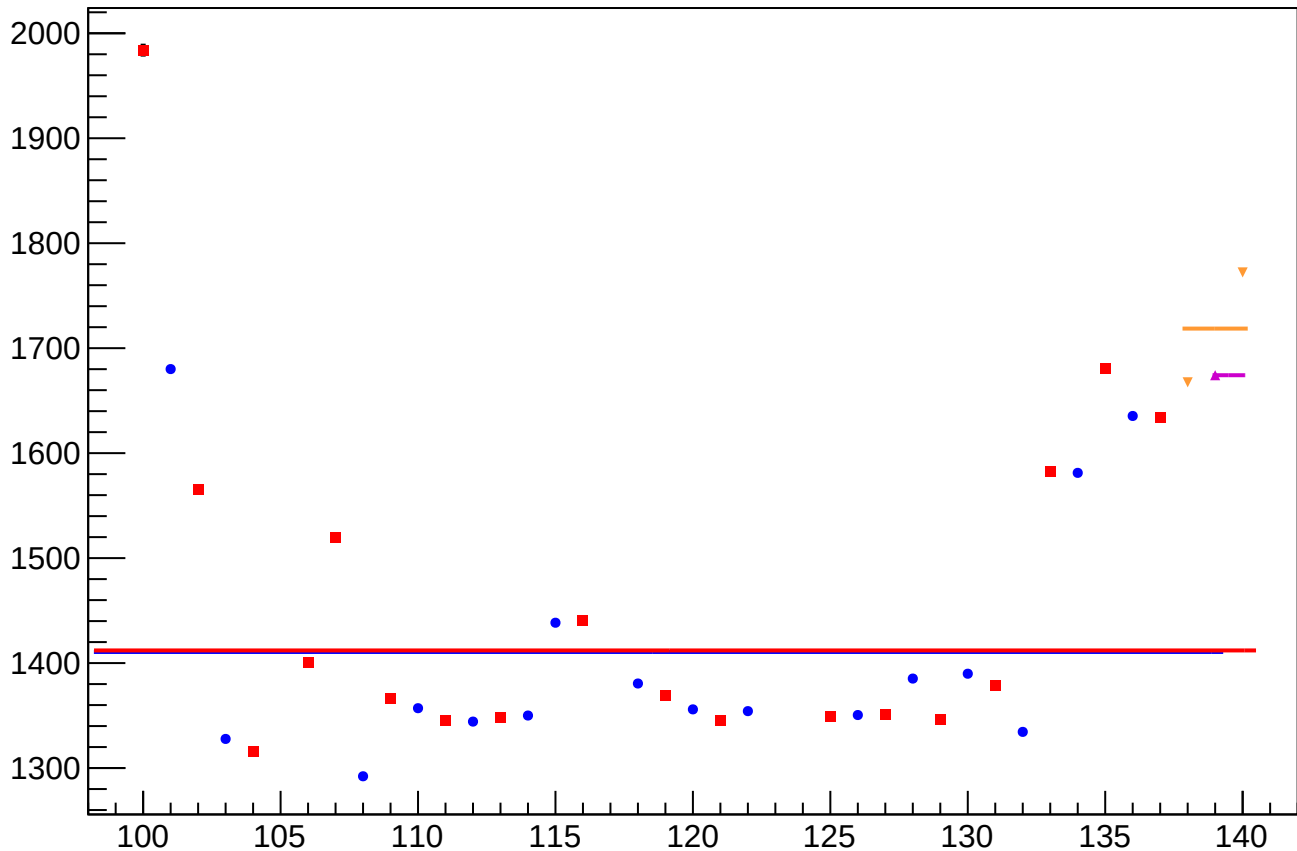
Left In: -883.609 $\pm$ 1822.183 χ^2 /NDF:0.0/0

+ sign 1858.878 $\pm$ 491.008 χ^2 /NDF: 7.7/17

All: -14.953 $\pm$ 352.999 χ^2 /NDF: 51.5/36

- sign -2019.530 $\pm$ 507.850 χ^2 /NDF: 13.6/18

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF : 99150.0/15

Left Out: 1718.664+/-0.954 χ^2/NDF : 3008.5/1

Right Out: 1412.048+/-0.373 χ^2/NDF : 89704.5/17

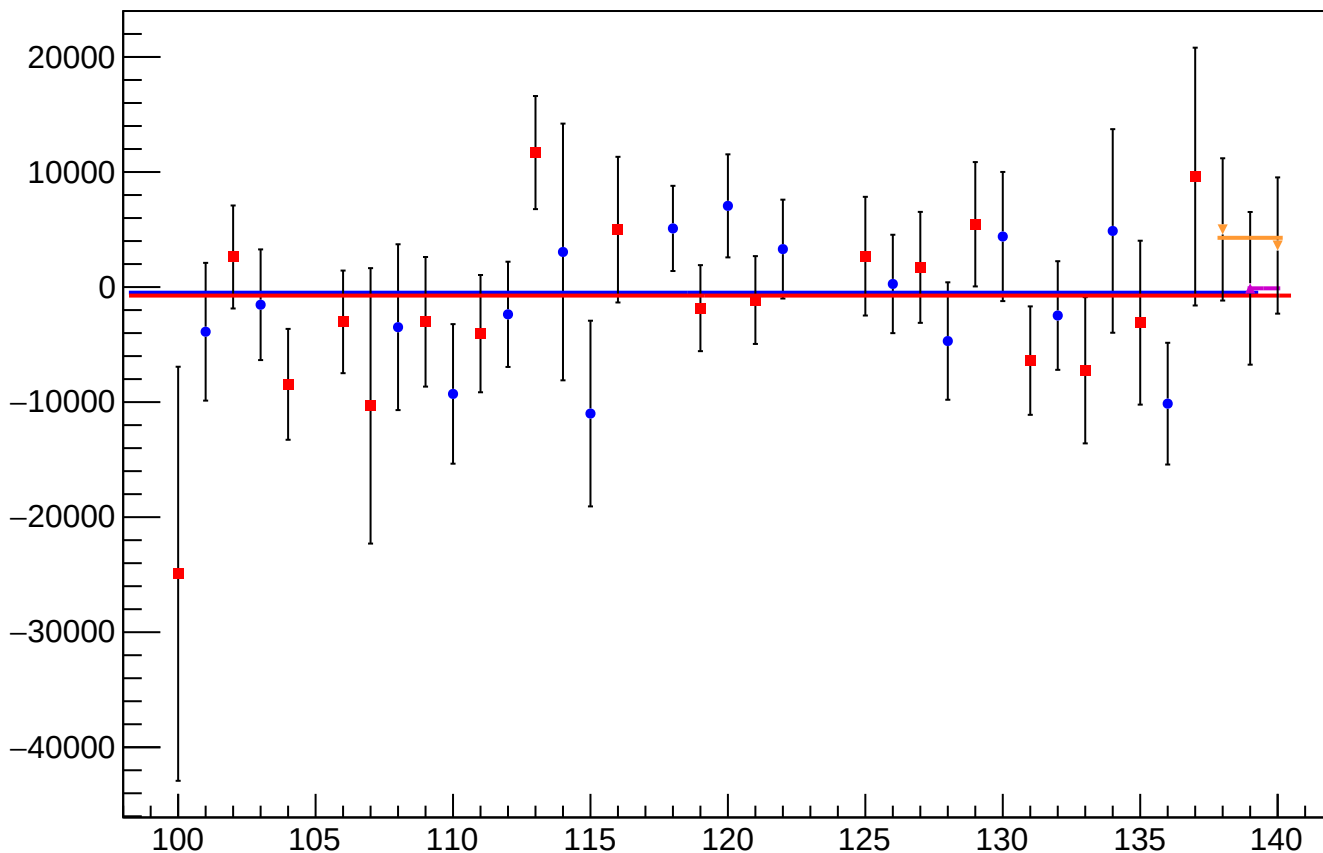
Left In: 1674.241+/-1.288 χ^2/NDF : 0.0/0

+ sign 1451.375+/-0.347 χ^2/NDF : 192581.2/17

All: 1442.142+/-0.249 χ^2/NDF : 321953.4/36

- sign 1432.314+/-0.358 χ^2/NDF : 127912.2/18

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402 ± 1308.692 χ^2/NDF : 15.8/15

Left Out: 4281.053 ± 4276.917 χ^2/NDF : 0.0/1

Right Out: -740.592 ± 1247.947 χ^2/NDF : 19.2/17

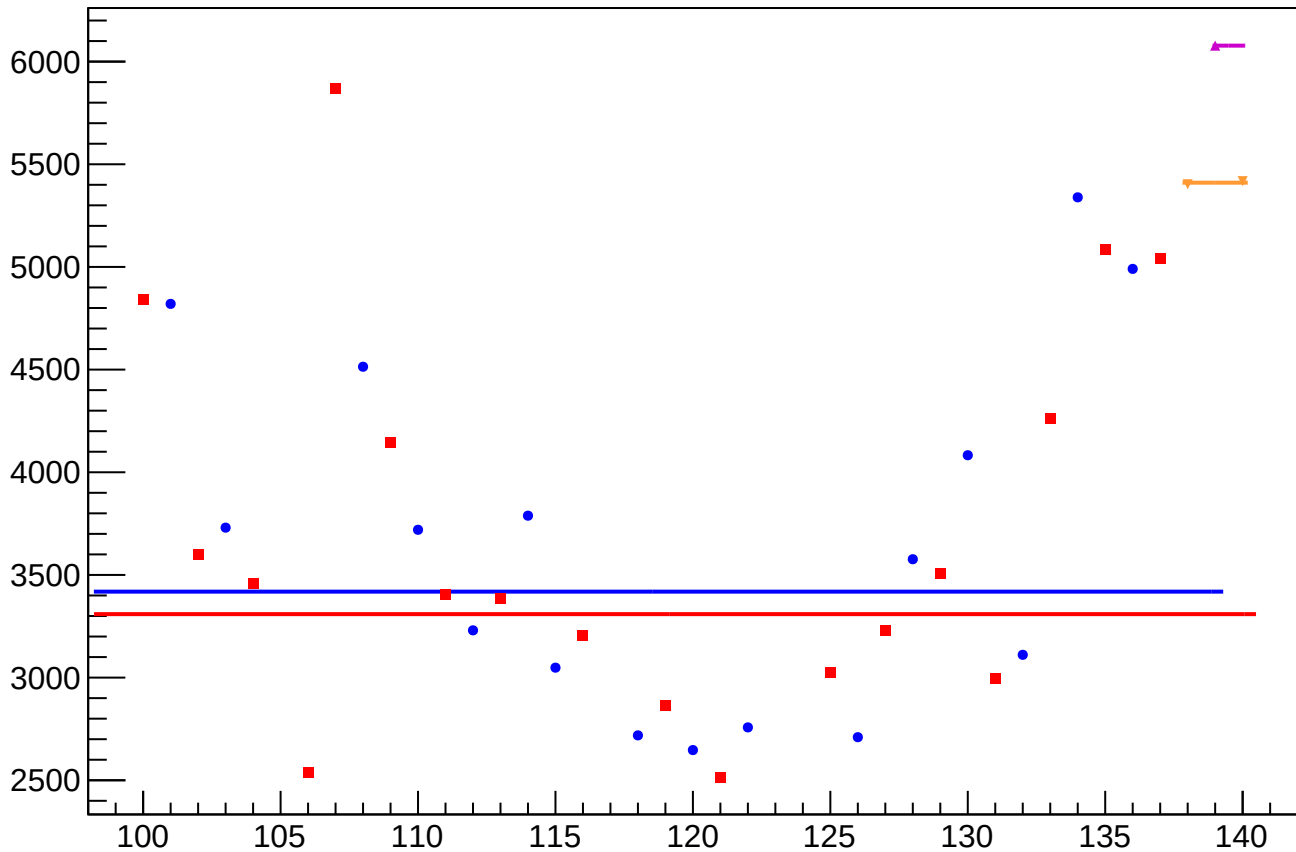
Left In: -109.587 ± 6636.035 χ^2/NDF : 0.0/0

+ sign -80.986 ± 1251.417 χ^2/NDF : 17.0/17

All: -406.441 ± 875.925 χ^2/NDF : 36.3/36

- sign -719.038 ± 1226.449 χ^2/NDF : 19.2/18

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF : 721215.3/15

Left Out: 5410.346+/-3.024 χ^2/NDF : 6.3/1

Right Out: 3309.112+/-0.882 χ^2/NDF : 571940.6/17

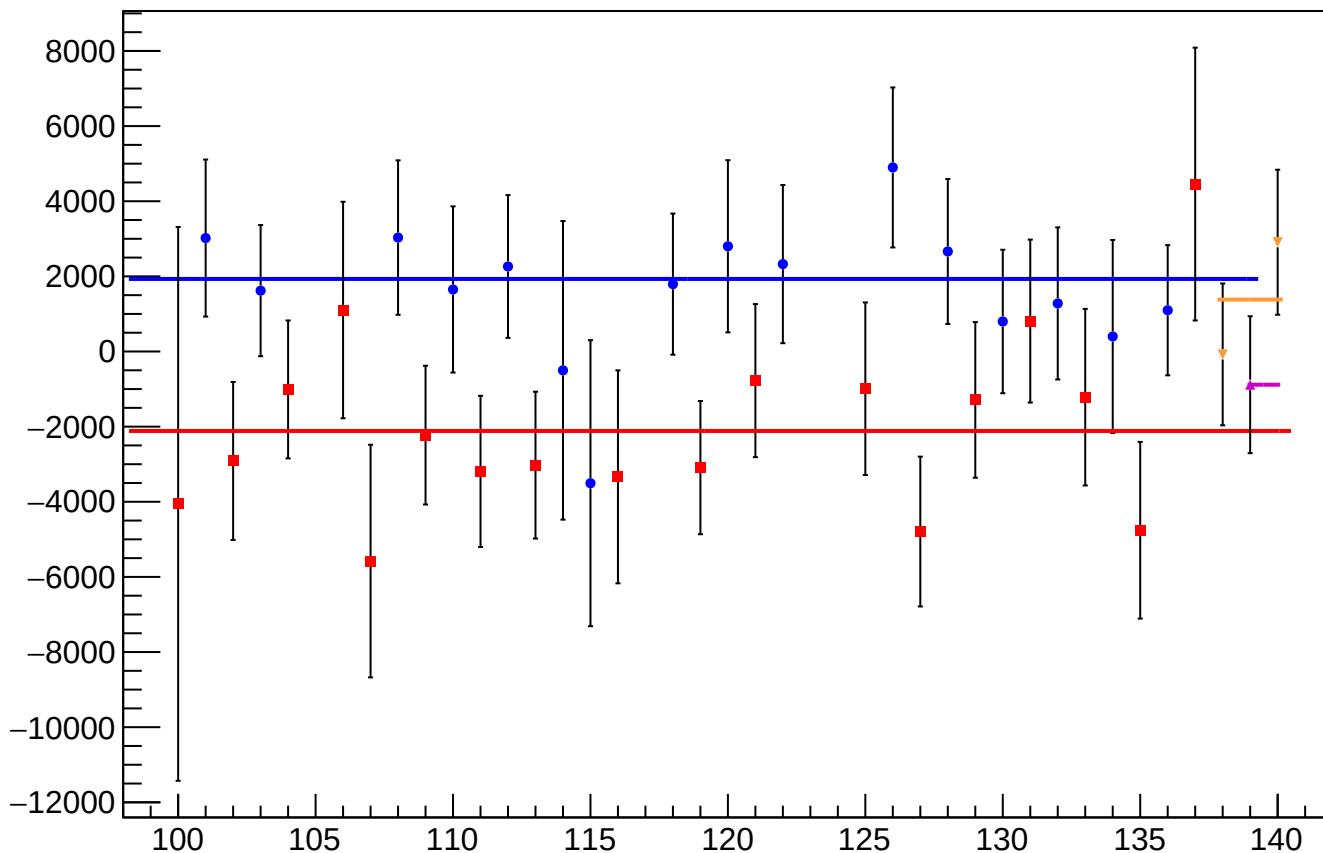
Left In: 6077.738+/-4.692 χ^2/NDF : 0.0/0

+ sign 3589.213+/-0.885 χ^2/NDF : 1117793.6/17

All: 3494.577+/-0.619 χ^2/NDF : 2048396.1/30

- sign 3403.681+/-0.867 χ^2/NDF : 908179.2/18

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538 $\pm$ 527.135 χ^2 /NDF: 6.4/15

Left Out: 1382.653 $\pm$ 1349.556 χ^2 /NDF:1.2/1

Right Out: -2115.195 $\pm$ 528.802 χ^2 /NDF: 13.2/17

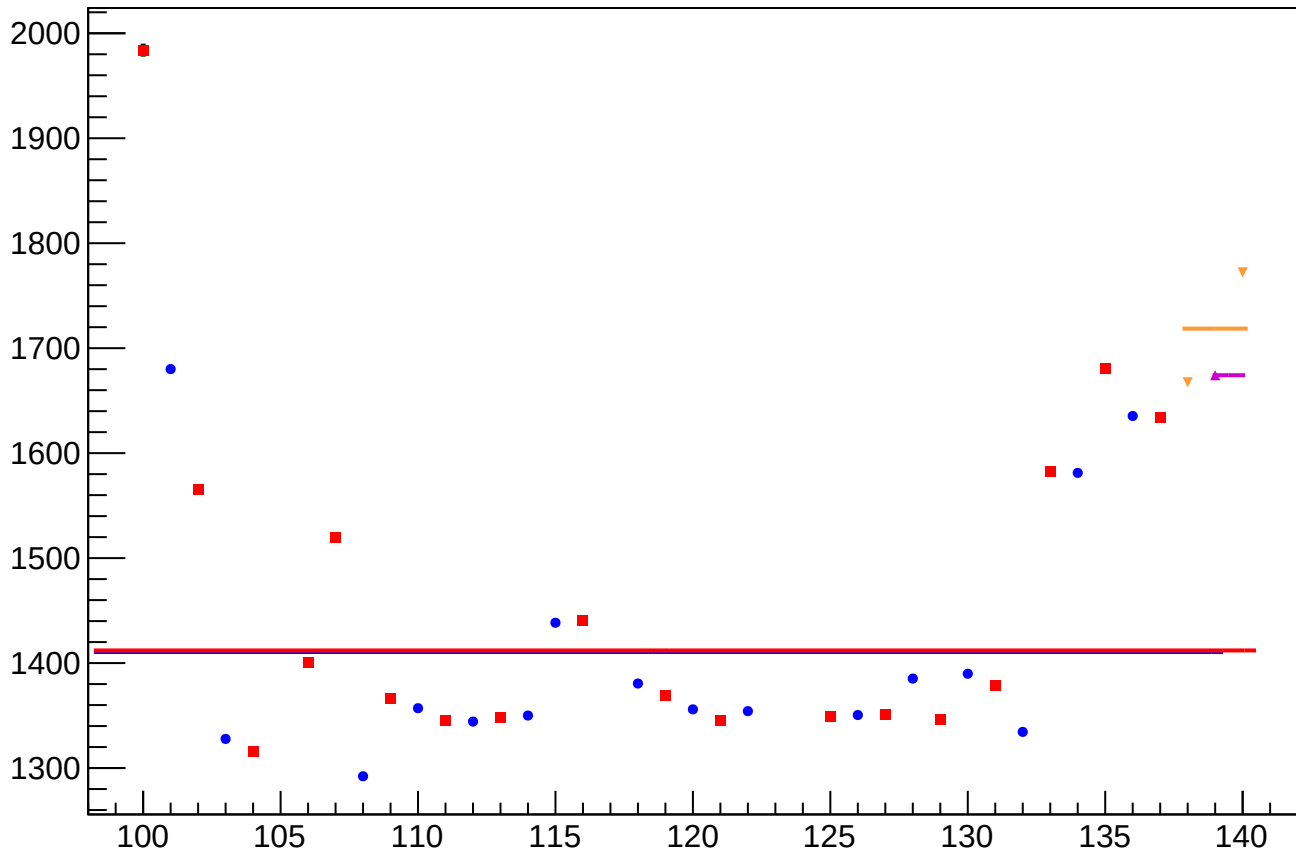
Left In: -883.612 $\pm$ 1822.185 χ^2 /NDF:0.0/0

+ sign 1858.881 $\pm$ 491.008 χ^2 /NDF: 7.7/17

All: -14.952 $\pm$ 352.999 χ^2 /NDF: 51.5/36

- sign -2019.531 $\pm$ 507.850 χ^2 /NDF: 13.6/18

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF : 99150.0/15

Left Out: 1718.665+/-0.954 χ^2/NDF : 3008.6/1

Right Out: 1412.048+/-0.373 χ^2/NDF : 89704.6/17

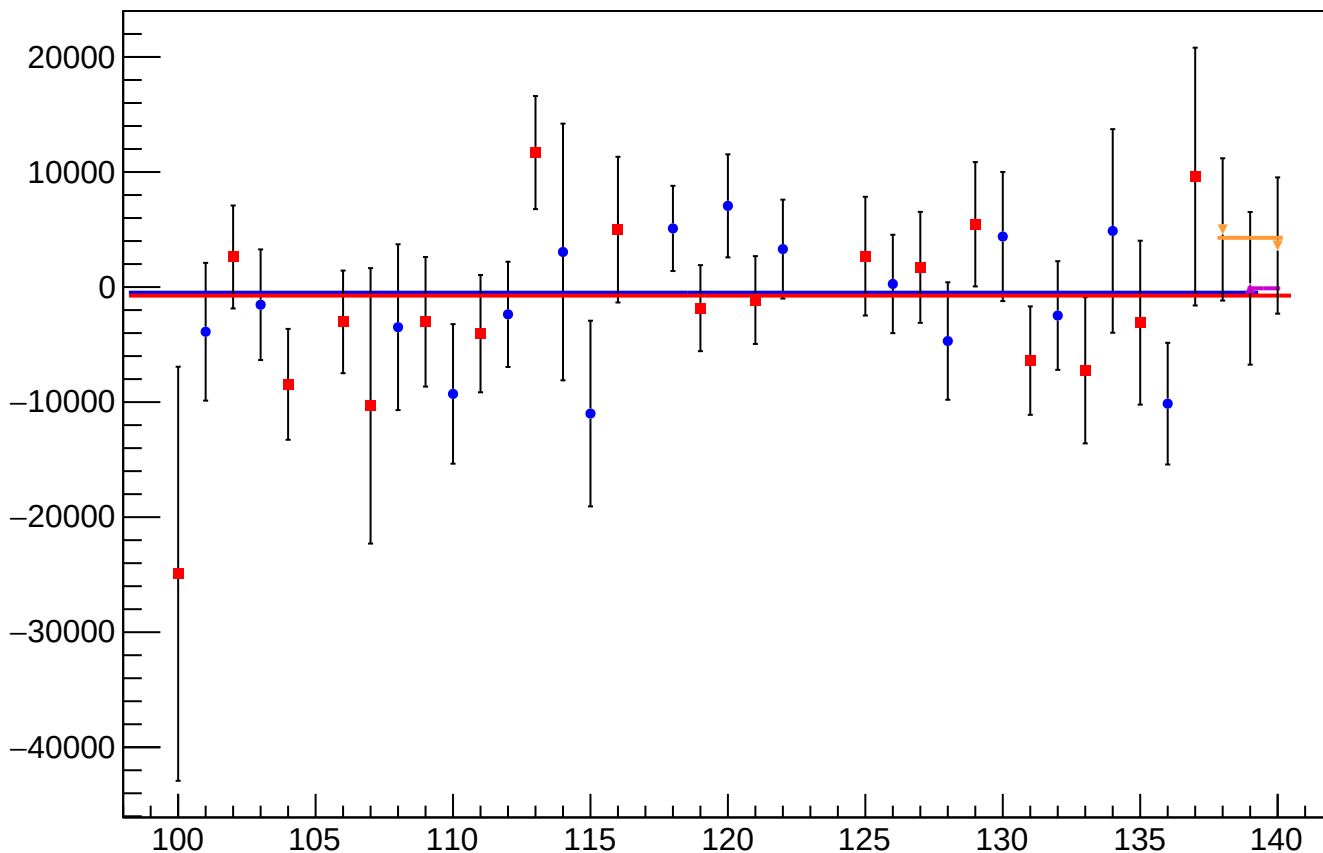
Left In: 1674.242+/-1.288 χ^2/NDF : 0.0/0

+ sign 1451.375+/-0.347 χ^2/NDF : 192581.6/17

All: 1442.142+/-0.249 χ^2/NDF : 321954.3/36

- sign 1432.314+/-0.358 χ^2/NDF : 127912.8/18

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -489.395+/-1308.688 χ^2/NDF : 15.8/15

Left Out: 4281.063+/-4276.927 χ^2/NDF : 0.0/1

Right Out: -740.594+/-1247.944 χ^2/NDF : 19.2/17

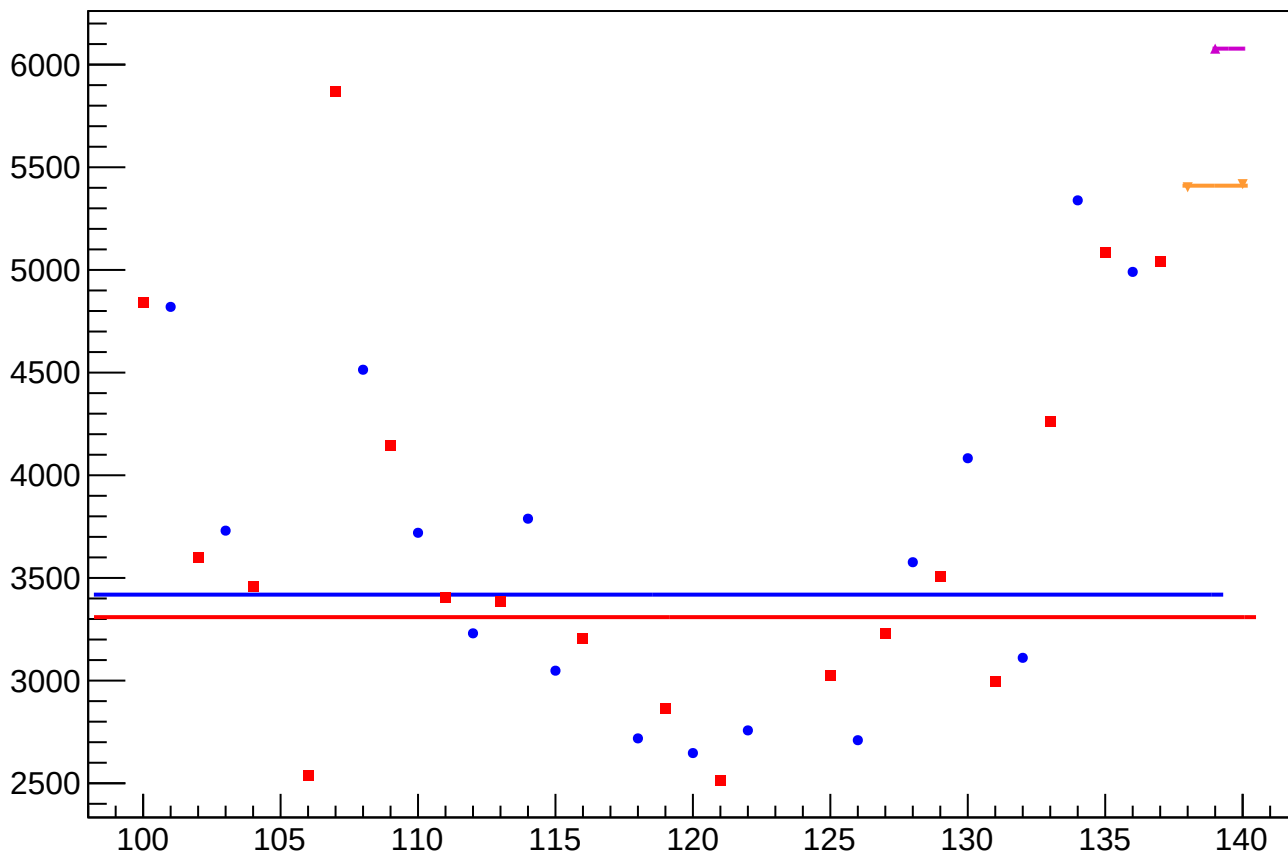
Left In: -109.597+/-6636.057 χ^2/NDF : 0.0/0

+ sign -80.983+/-1251.414 χ^2/NDF : 17.0/17

All: -406.441+/-875.922 χ^2/NDF : 36.3/36

- sign -719.042+/-1226.446 χ^2/NDF : 19.2/18

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3418.690+/-0.925 χ^2/NDF : 721223.9/15

Left Out: 5410.359+/-3.024 χ^2/NDF : 6.3/1

Right Out: 3309.102+/-0.882 χ^2/NDF : 571944.5/17

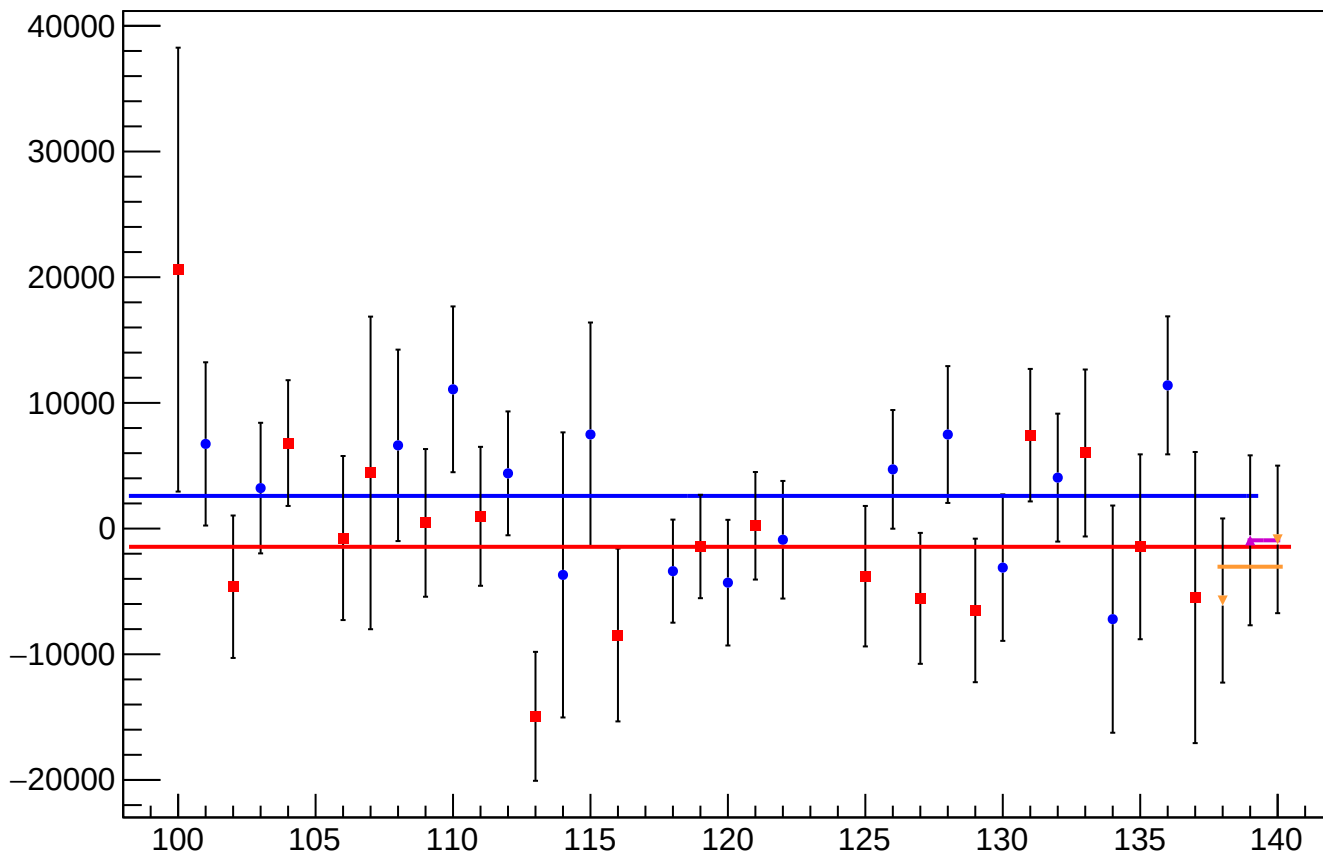
Left In: 6077.758+/-4.692 χ^2/NDF : 0.0/0

+ sign 3589.202+/-0.885 χ^2/NDF : 1117810.3/17

All: 3494.567+/-0.619 χ^2/NDF : 2048421.9/36

- sign 3403.670+/-0.867 χ^2/NDF : 908188.5/18

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF : 13.5/15

Left Out: -3033.989+/-4365.549 χ^2/NDF : 0.3/1

Right Out: -1450.418+/-1382.818 χ^2/NDF : 19.0/17

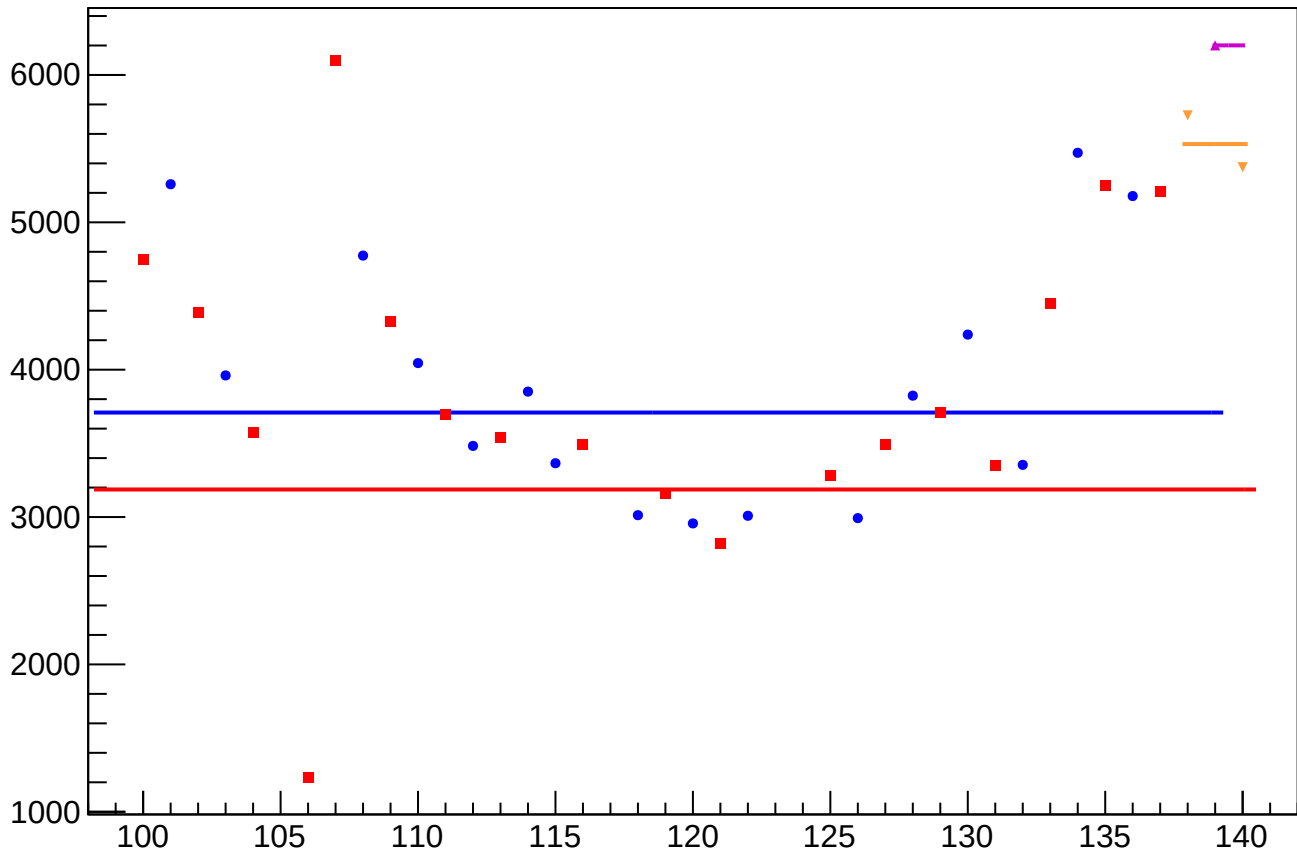
Left In: -933.331+/-6760.931 χ^2/NDF : 0.0/0

+ sign 2064.370+/-1345.626 χ^2/NDF : 15.3/17

All: 329.191+/-954.718 χ^2/NDF : 37.7/36

- sign -1429.656+/-1354.771 χ^2/NDF : 19.0/18

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF : 610637.3/15

Left Out: 5531.087+/-3.087 χ^2/NDF : 3208.2/1

Right Out: 3187.191+/-0.896 χ^2/NDF : 1610818.1/17

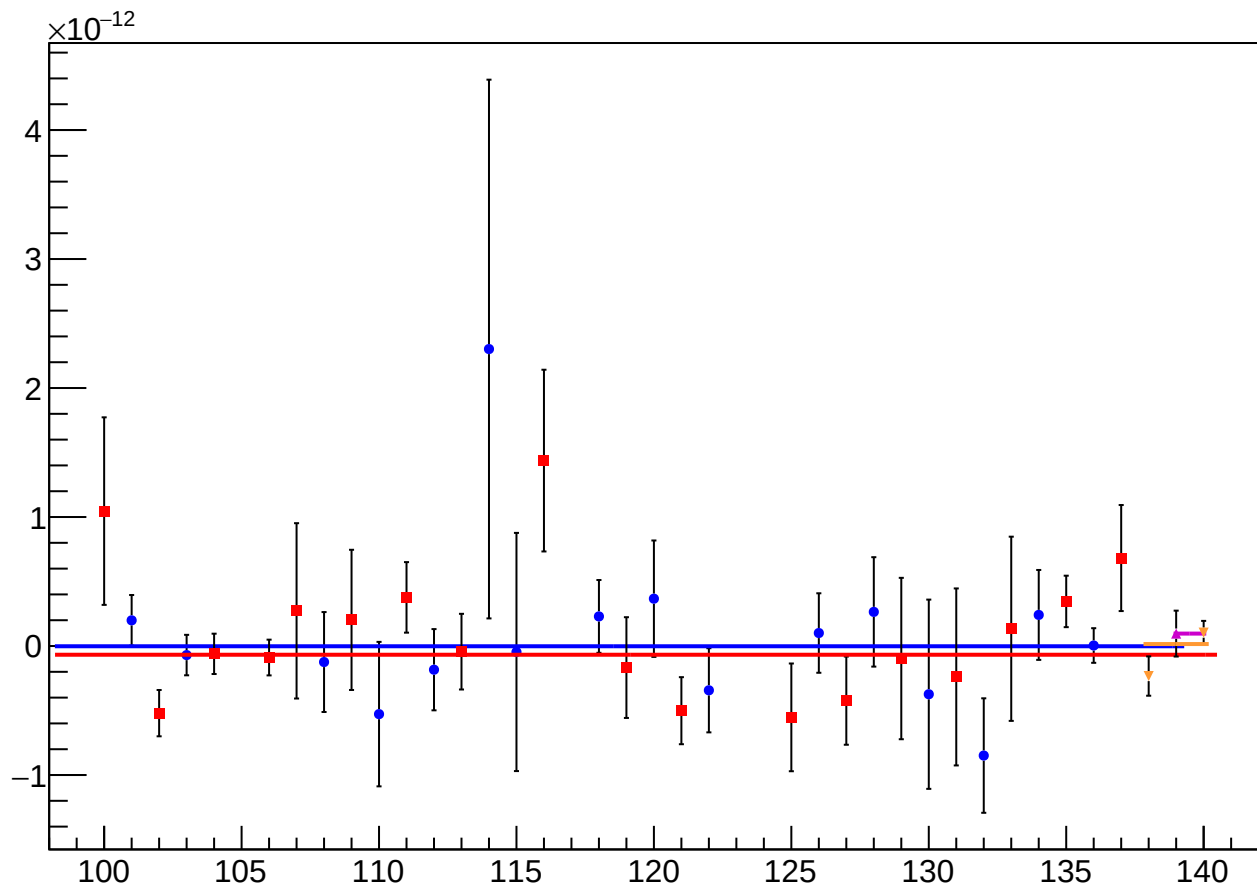
Left In: 6200.804+/-4.781 χ^2/NDF : 0.0/0

+ sign 3882.256+/-0.951 χ^2/NDF : 929099.5/17

All: 3562.783+/-0.646 χ^2/NDF : 3133029.4/36

- sign 3289.361+/-0.880 χ^2/NDF : 1994713.5/18

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 3.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.5/17

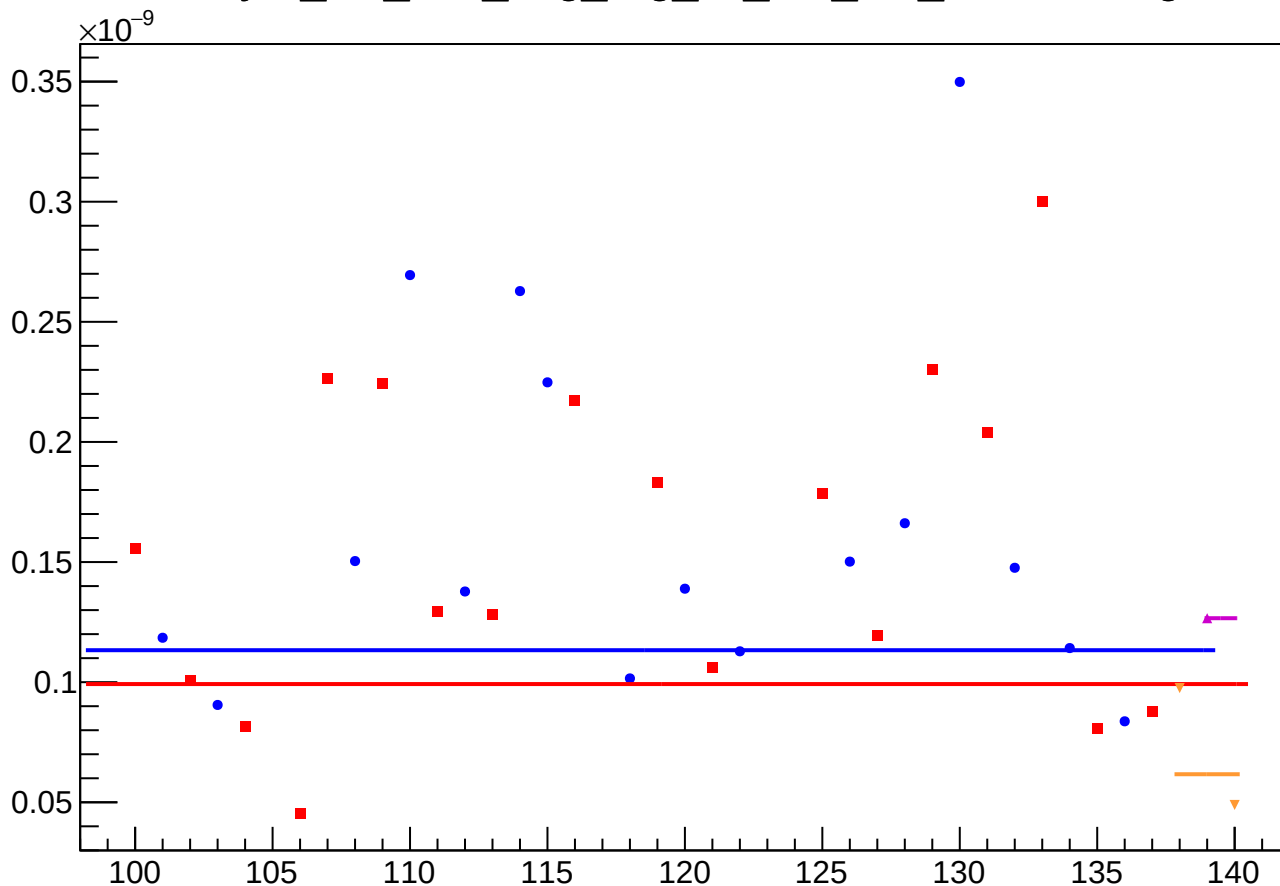
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 14.7/17

All: -0.000 ± 0.000 χ^2/NDF : 45.4/36

- sign -0.000 ± 0.000 χ^2/NDF : 30.2/18

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 : 150265.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1100854.2/17

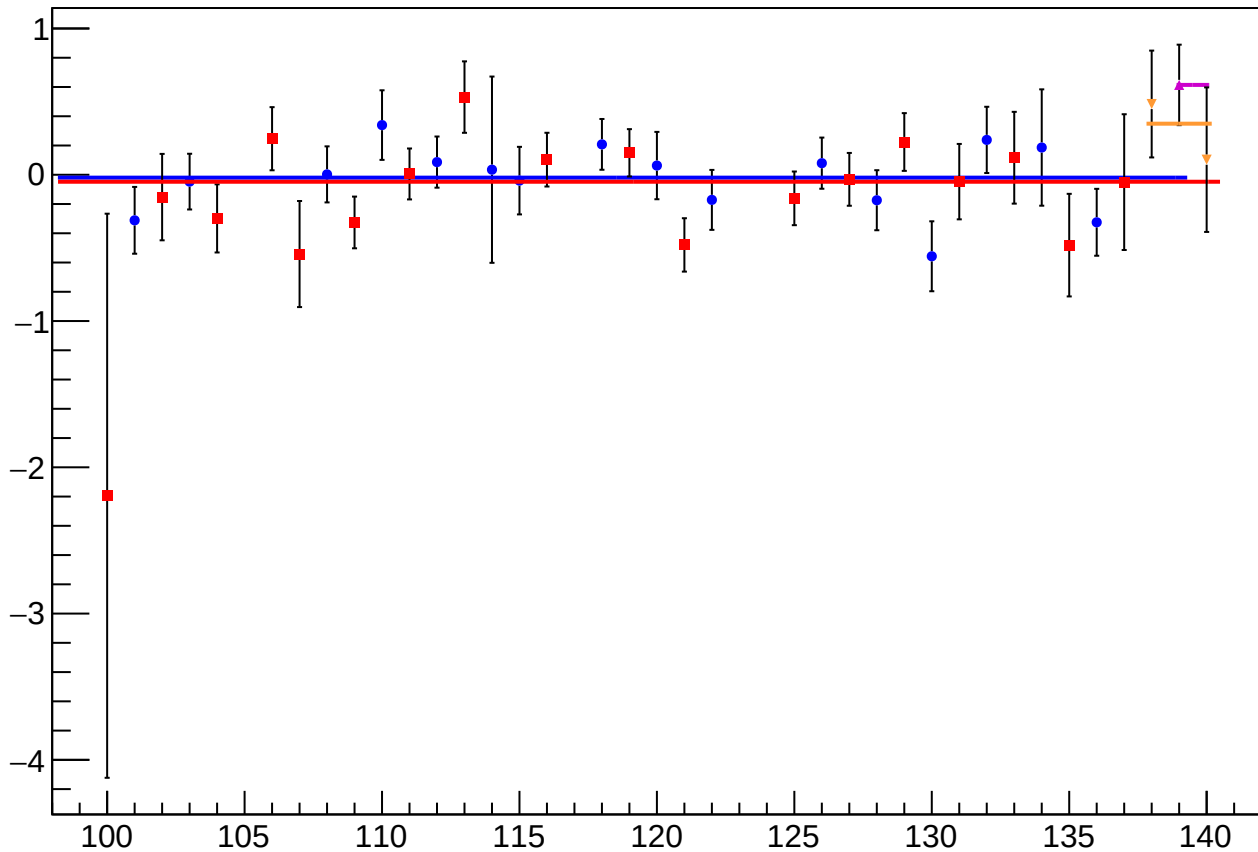
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1287790.8/17

All: 0.000+/-0.000 χ^2/NDF : 2477026.4/36

- sign 0.000+/-0.000 χ^2/NDF : 1142650.4/18

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 $\chi^2/\text{NDF}: 16.0/15$

Left Out: 0.349 ± 0.294 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

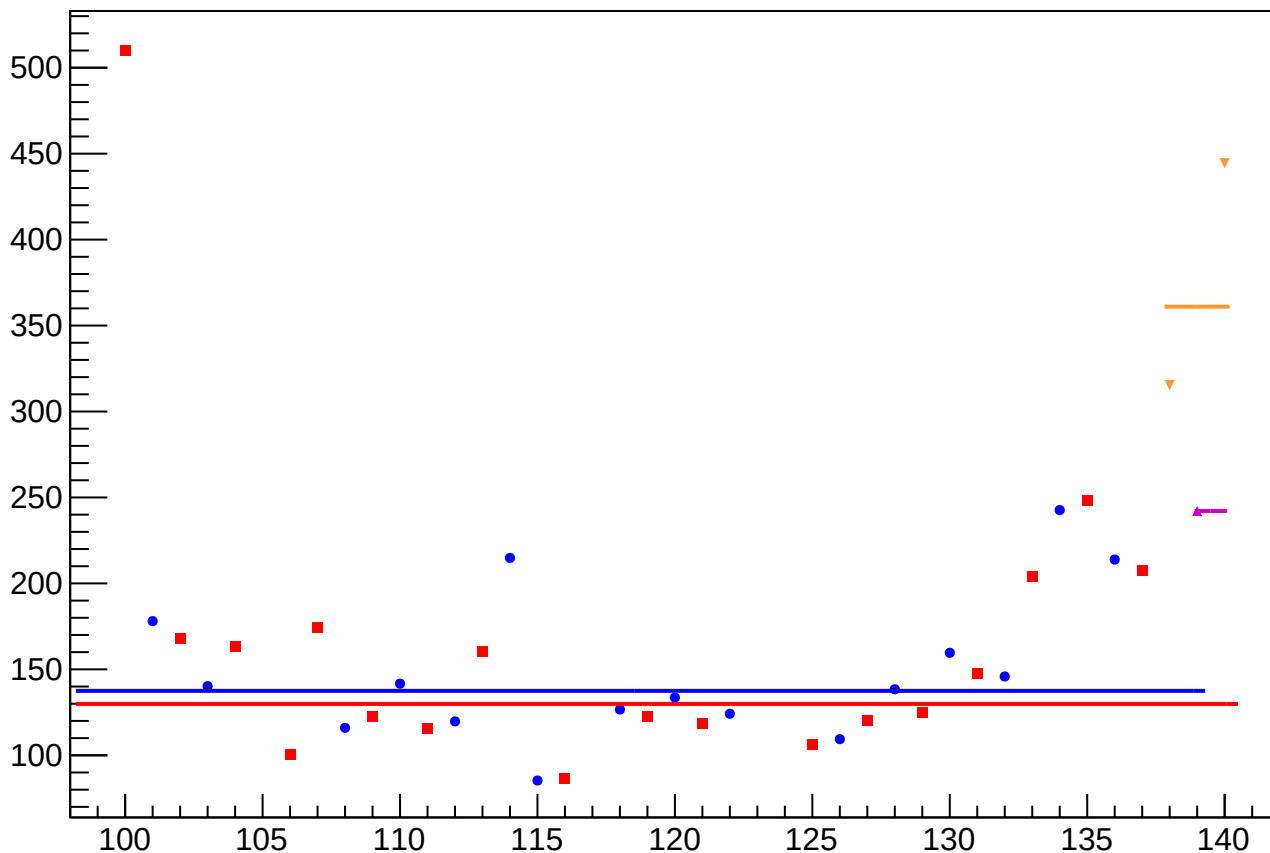
Left In: 0.614 ± 0.275 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

All: -0.016 ± 0.037 $\chi^2/\text{NDF}: 49.9/36$

- sign -0.024 ± 0.052 $\chi^2/\text{NDF}: 31.9/18$

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692947.9/15

Left Out: 360.986 $\pm$ 0.208 χ^2 /NDF: 88237.4/1

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833983.9/17

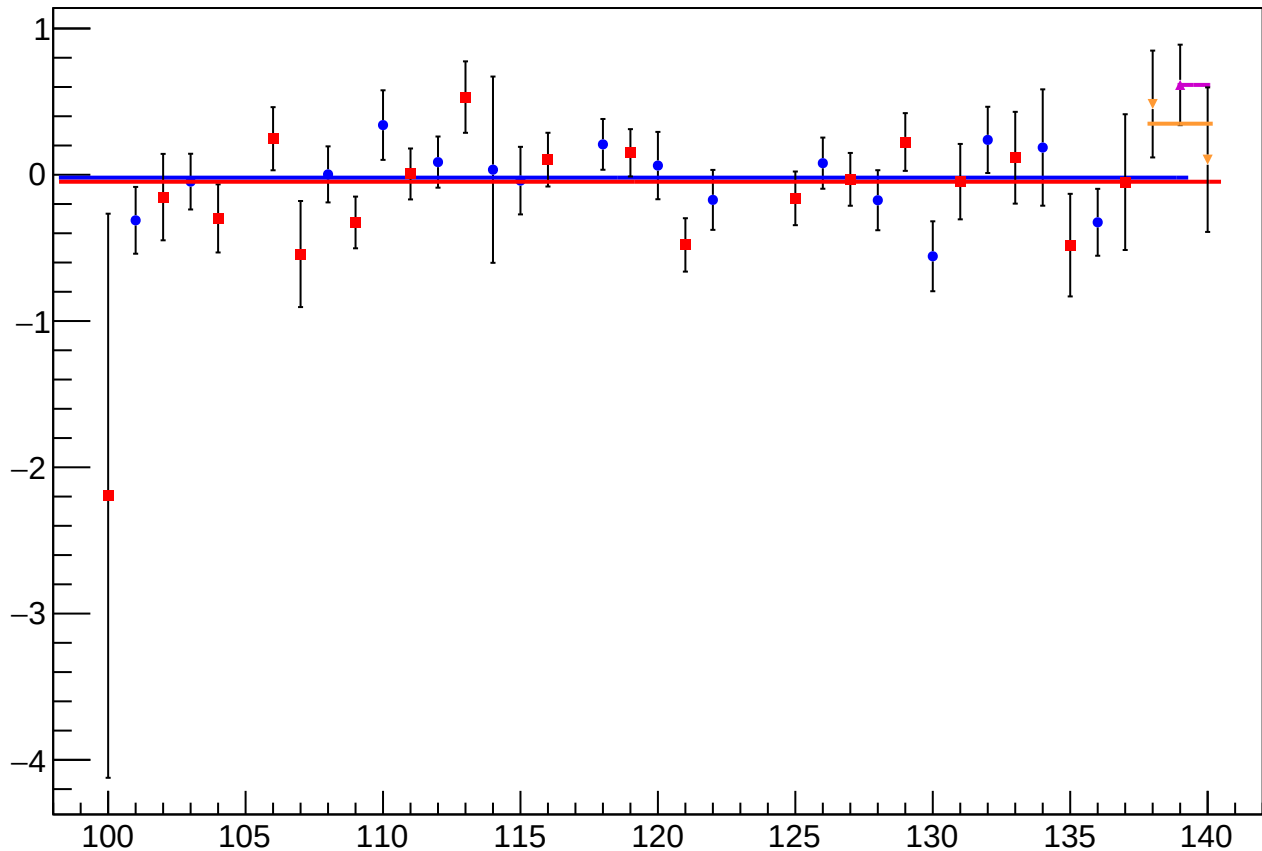
Left In: 242.137 $\pm$ 0.195 χ^2 /NDF: 0.0/0

+ sign 144.856 $\pm$ 0.038 χ^2 /NDF: 1901456.0/17

All: 139.160 $\pm$ 0.026 χ^2 /NDF: 3100904.8/36

- sign 133.831 $\pm$ 0.036 χ^2 /NDF: 1155244.9/18

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 $\chi^2/\text{NDF}: 16.0/15$

Left Out: 0.349 ± 0.294 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

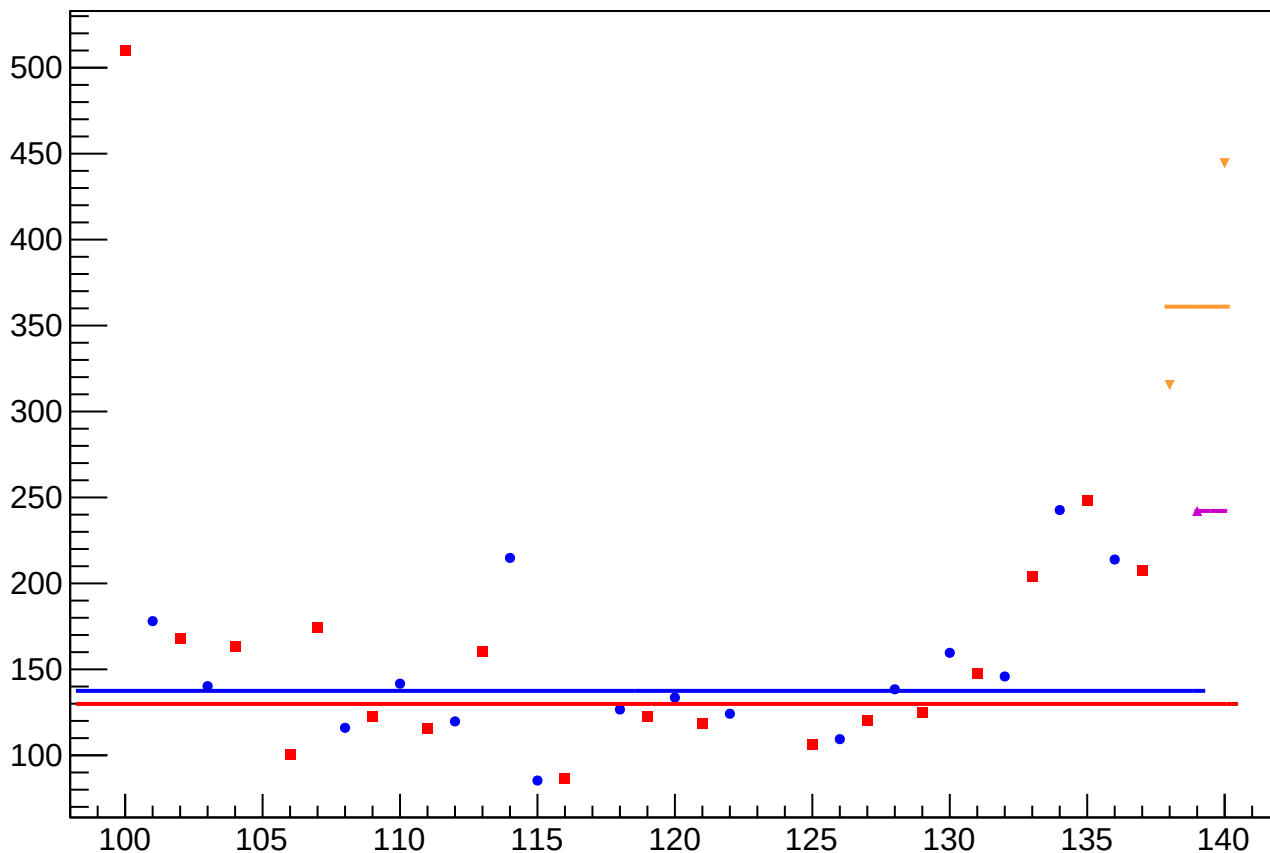
Left In: 0.614 ± 0.275 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

All: -0.016 ± 0.037 $\chi^2/\text{NDF}: 49.9/36$

- sign -0.024 ± 0.052 $\chi^2/\text{NDF}: 31.9/18$

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692947.9/15

Left Out: 360.986 $\pm$ 0.208 χ^2 /NDF: 88237.4/1

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833983.9/17

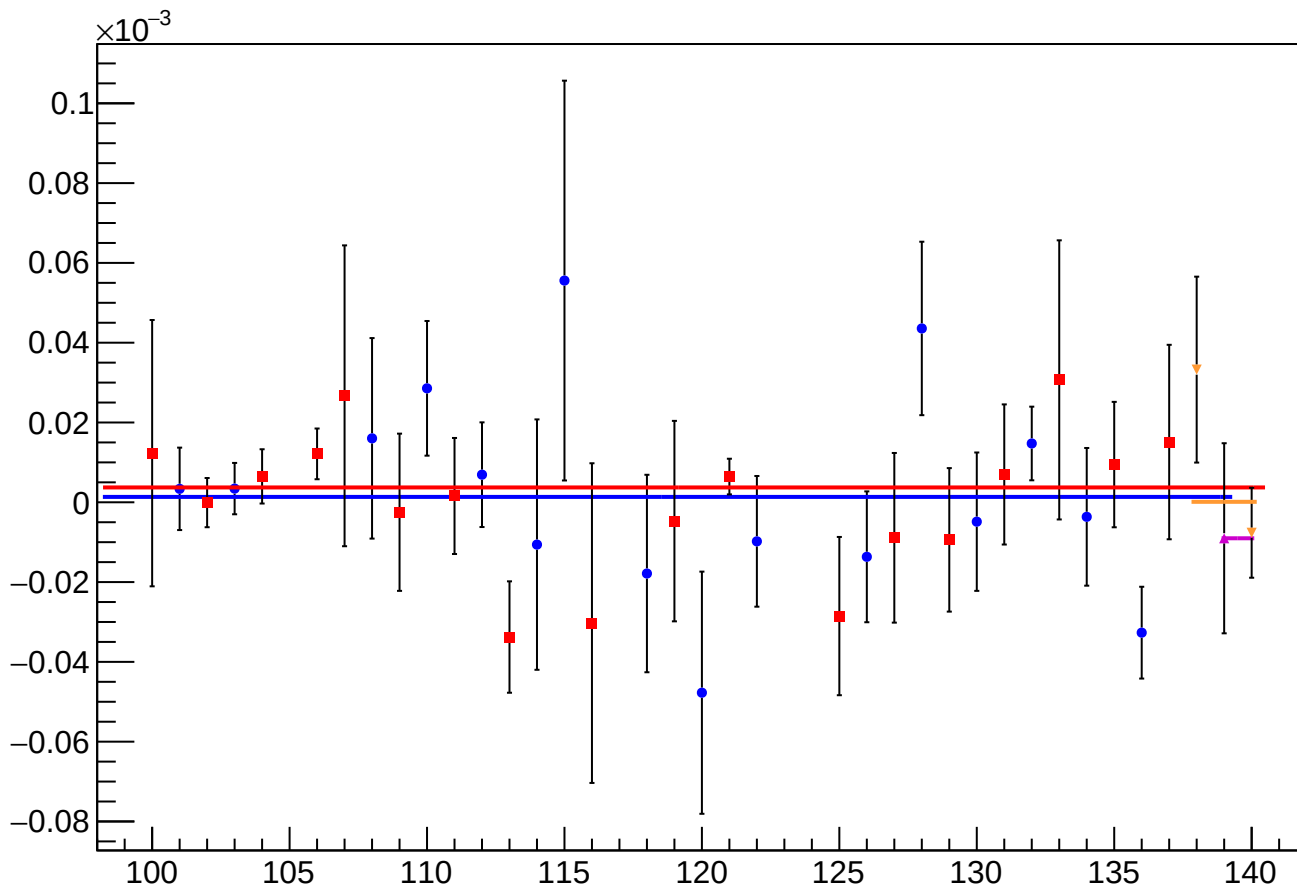
Left In: 242.137 $\pm$ 0.195 χ^2 /NDF: 0.0/0

+ sign 144.856 $\pm$ 0.038 χ^2 /NDF: 1901456.0/17

All: 139.160 $\pm$ 0.026 χ^2 /NDF: 3100904.8/36

- sign 133.831 $\pm$ 0.036 χ^2 /NDF: 1155244.9/18

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/17

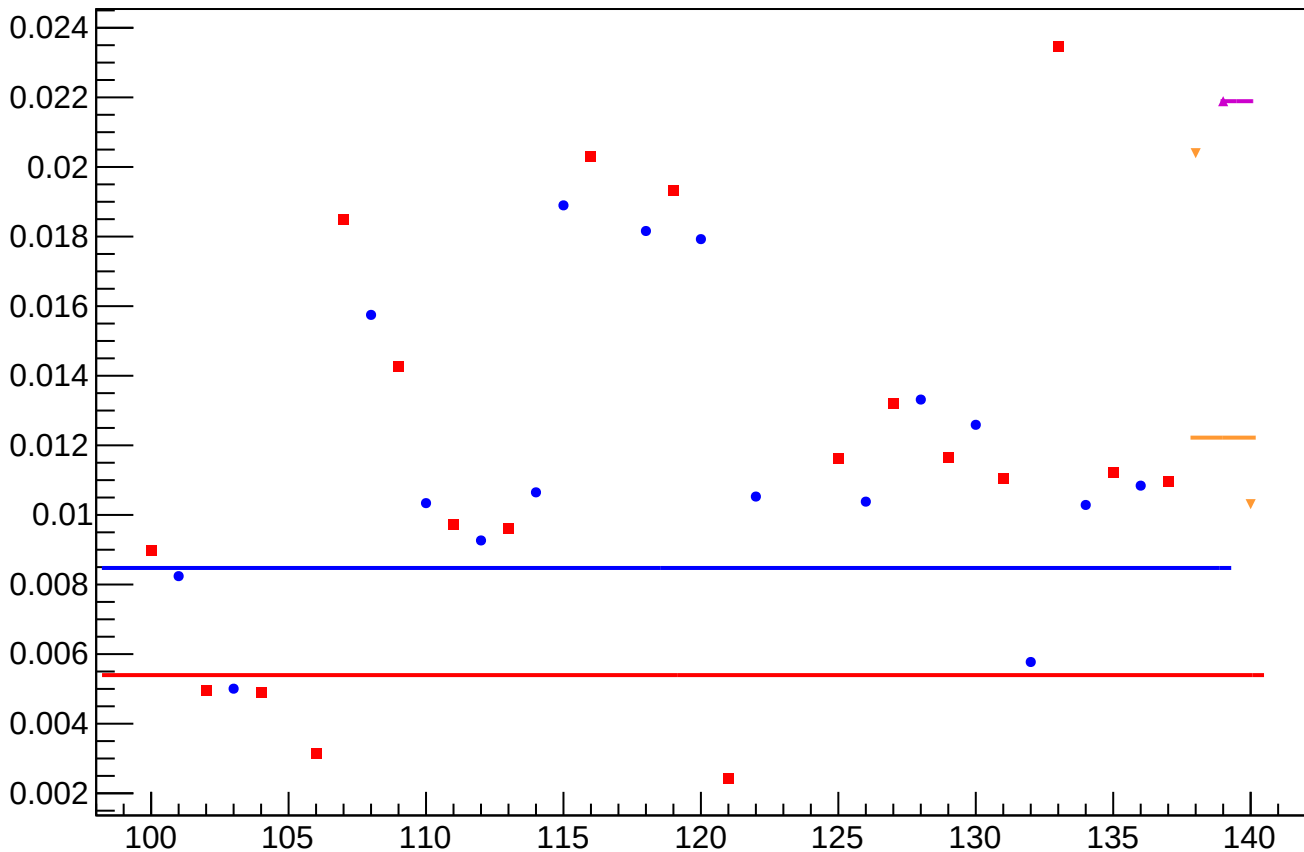
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.8/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/18

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: 0.012+/-0.000 χ^2/NDF : 303754.5/1

Right Out: 0.005+/-0.000 χ^2/NDF : 4909074.3/17

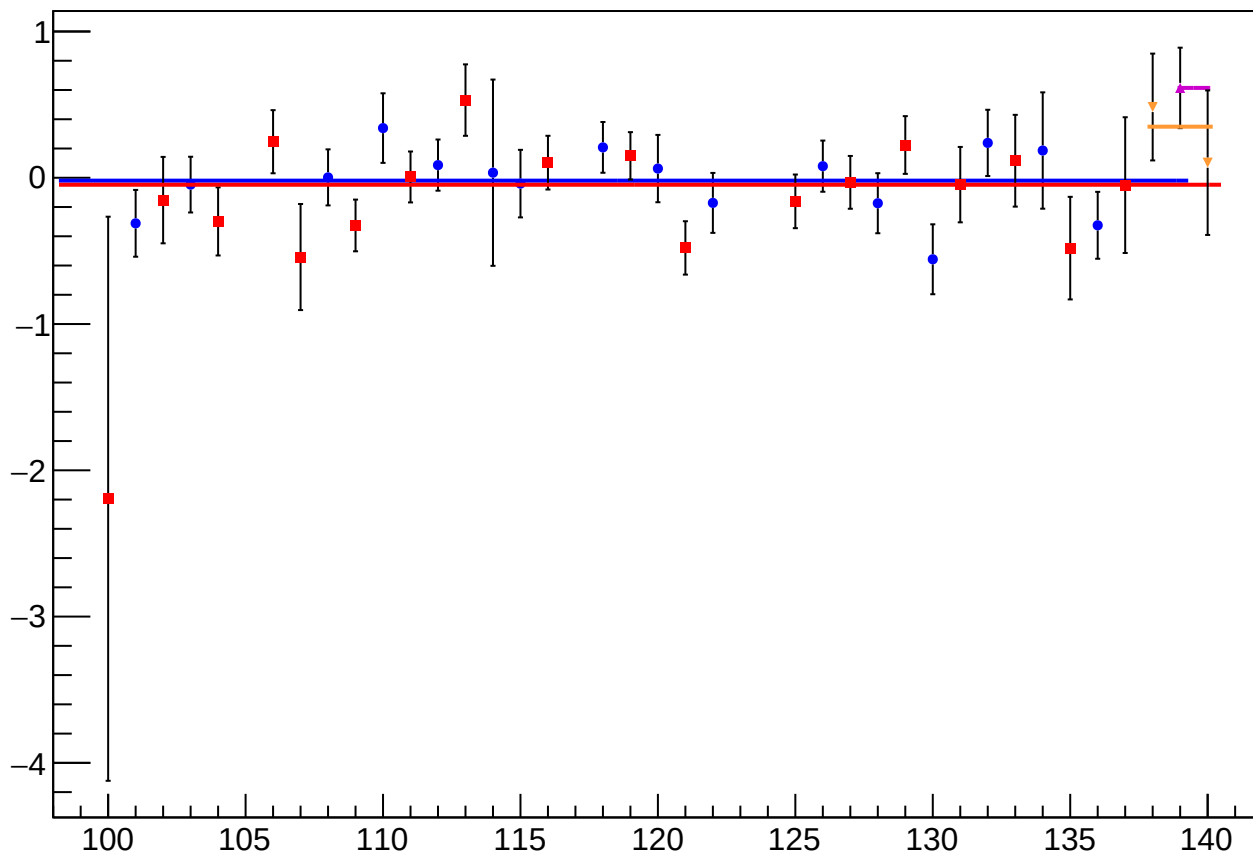
Left In: 0.022+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.009+/-0.000 χ^2/NDF : 2474114.5/17

All: 0.007+/-0.000 χ^2/NDF : 9601552.3/36

- sign 0.006+/-0.000 χ^2/NDF : 5857062.4/18

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 $\chi^2/\text{NDF}: 16.0/15$

Left Out: 0.349 ± 0.294 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

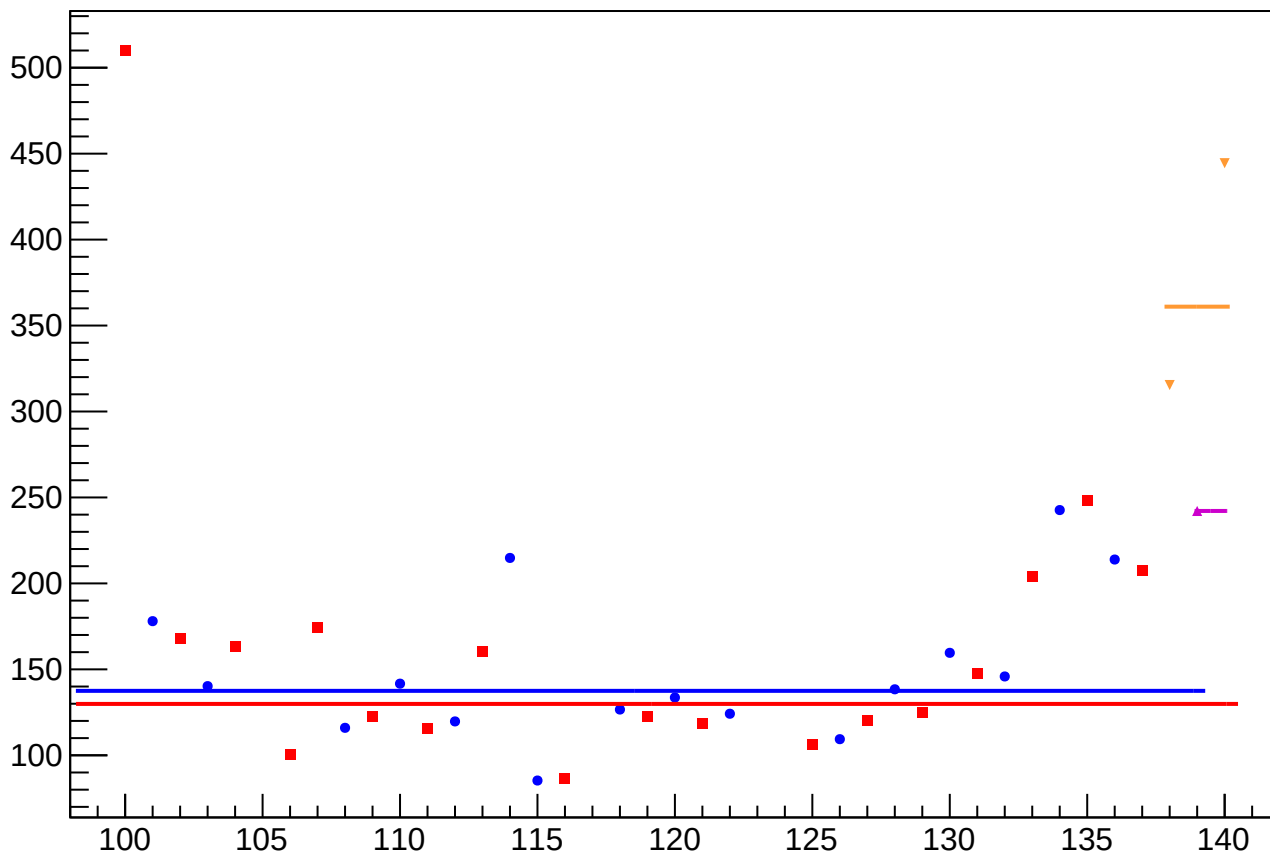
Left In: 0.614 ± 0.275 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

All: -0.016 ± 0.037 $\chi^2/\text{NDF}: 49.9/36$

- sign -0.024 ± 0.052 $\chi^2/\text{NDF}: 31.9/18$

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692923.1/15

Left Out: 360.989 $\pm$ 0.208 χ^2 /NDF: 88241.3/1

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833937.8/17

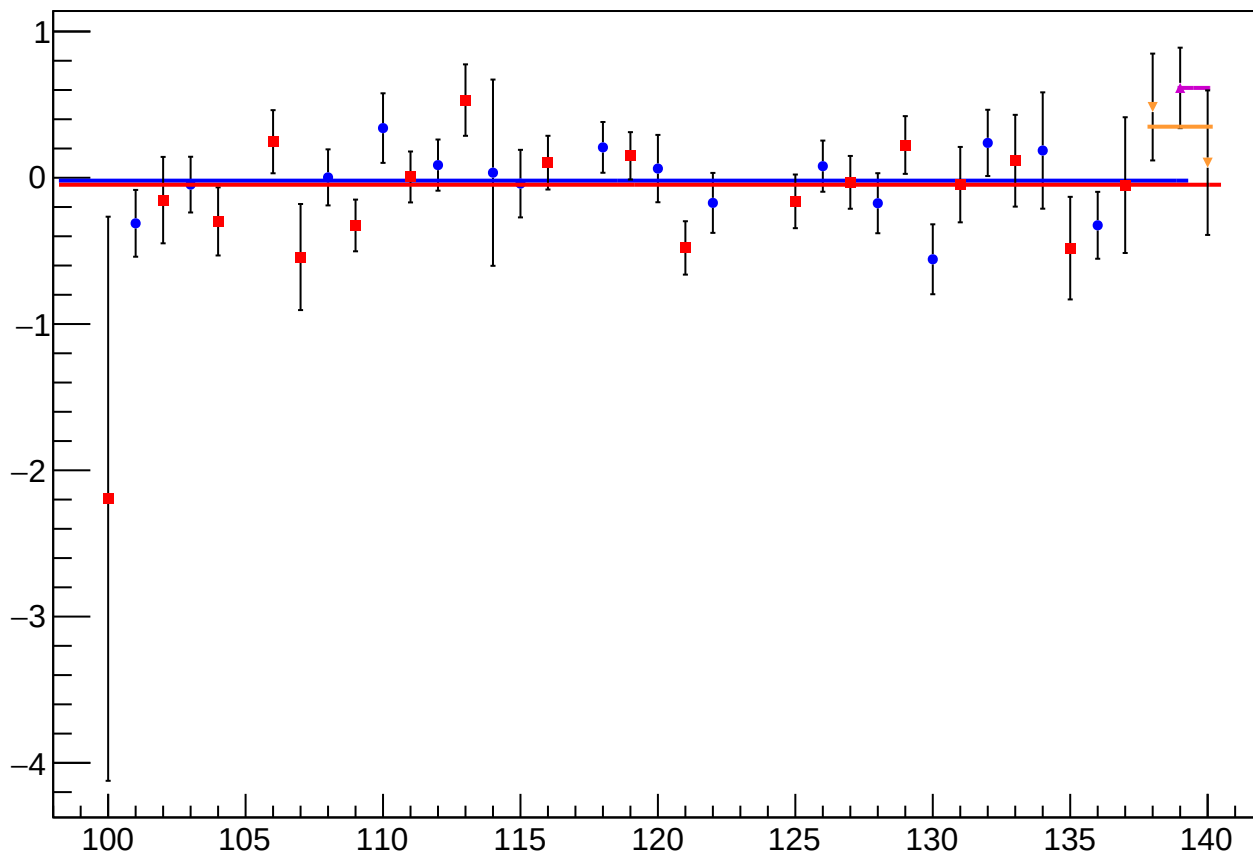
Left In: 242.144 $\pm$ 0.195 χ^2 /NDF: 0.0/0

+ sign 144.856 $\pm$ 0.038 χ^2 /NDF: 1901449.4/17

All: 139.160 $\pm$ 0.026 χ^2 /NDF: 3100872.2/36

- sign 133.831 $\pm$ 0.036 χ^2 /NDF: 1155220.6/18

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 $\chi^2/\text{NDF}: 16.0/15$

Left Out: 0.349 ± 0.294 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

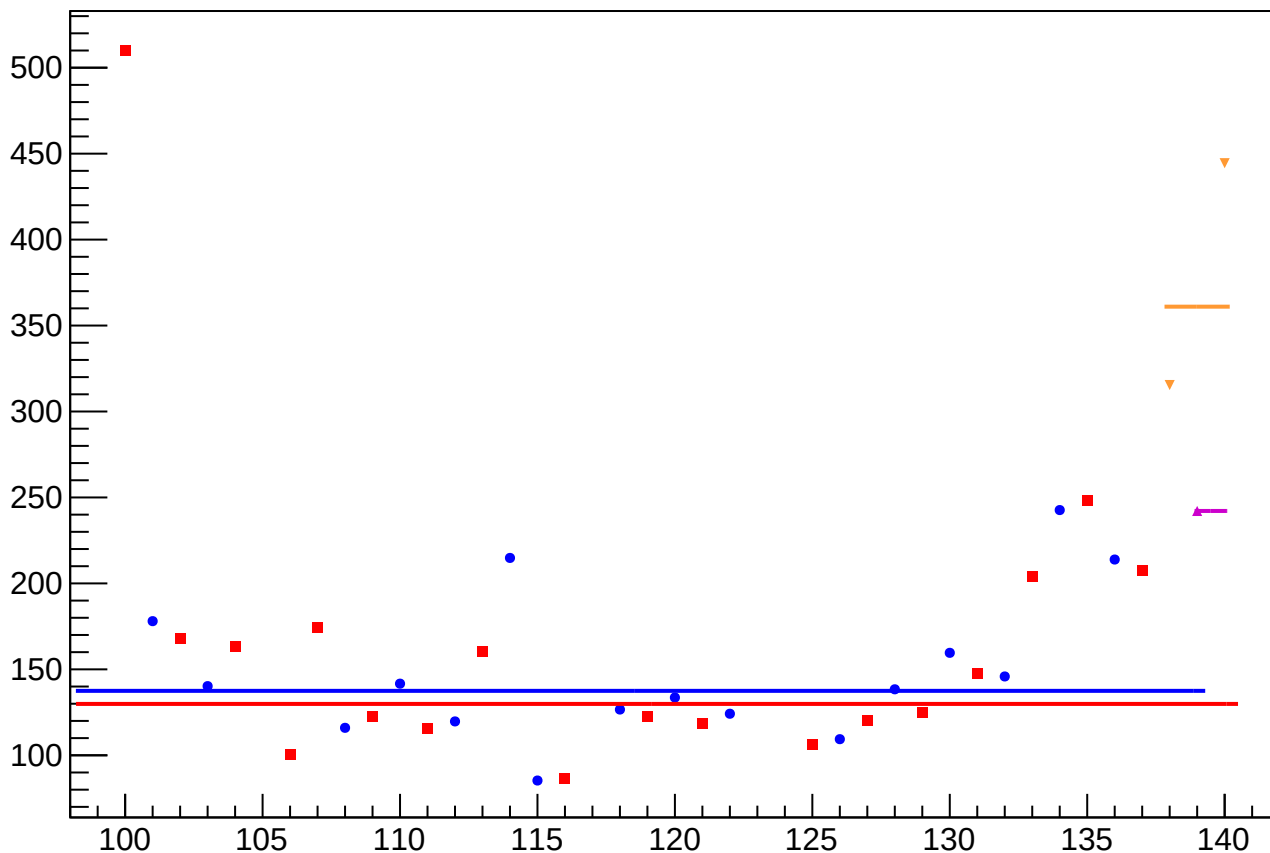
Left In: 0.614 ± 0.275 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

All: -0.016 ± 0.037 $\chi^2/\text{NDF}: 49.9/36$

- sign -0.024 ± 0.052 $\chi^2/\text{NDF}: 31.9/18$

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF : 692923.1/15

Left Out: 360.989+/-0.208 χ^2/NDF : 88241.3/1

Right Out: 129.887+/-0.037 χ^2/NDF : 833937.8/17

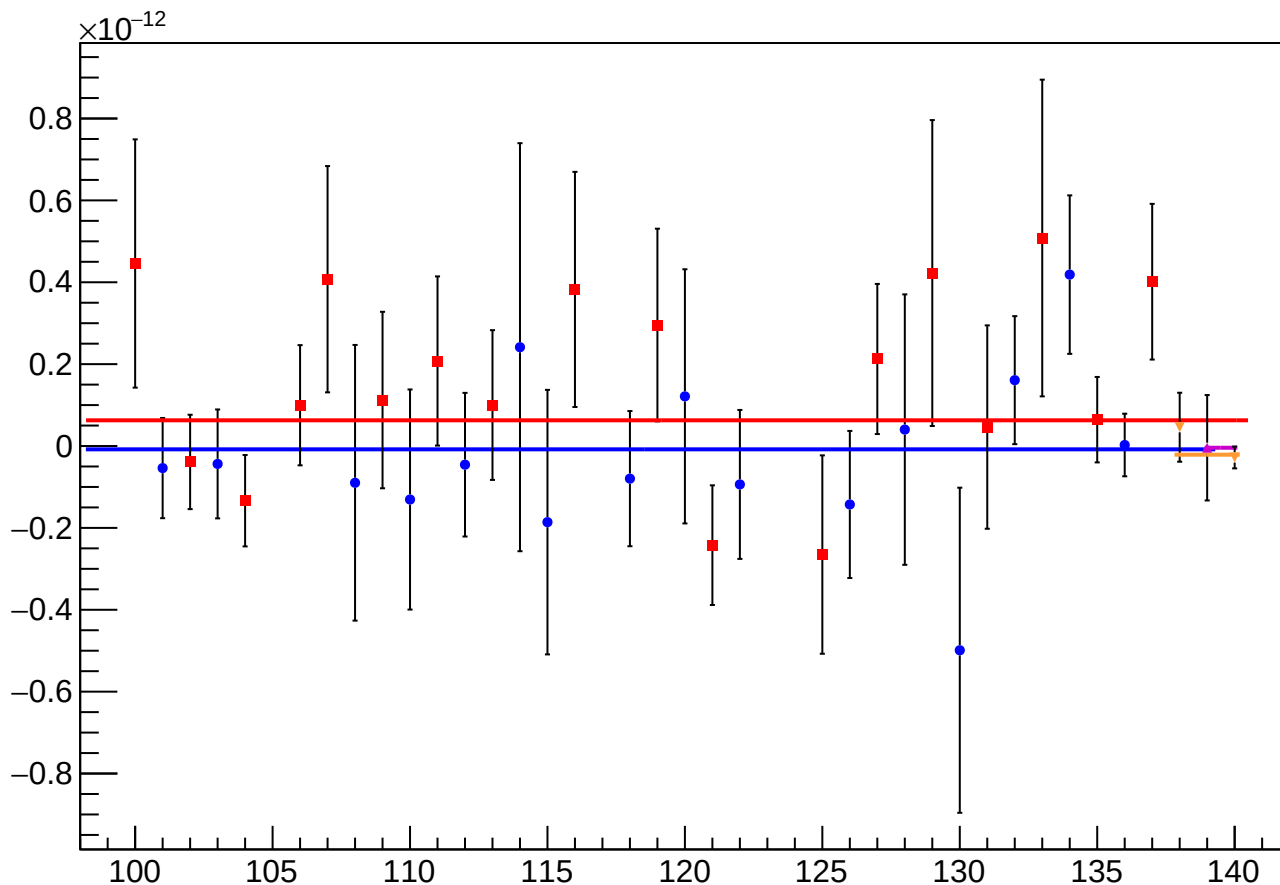
Left In: 242.144+/-0.195 χ^2/NDF : 0.0/0

+ sign 144.856+/-0.038 χ^2/NDF : 1901449.4/17

All: 139.160+/-0.026 χ^2/NDF : 3100872.2/36

- sign 133.831+/-0.036 χ^2/NDF : 1155220.6/18

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/17

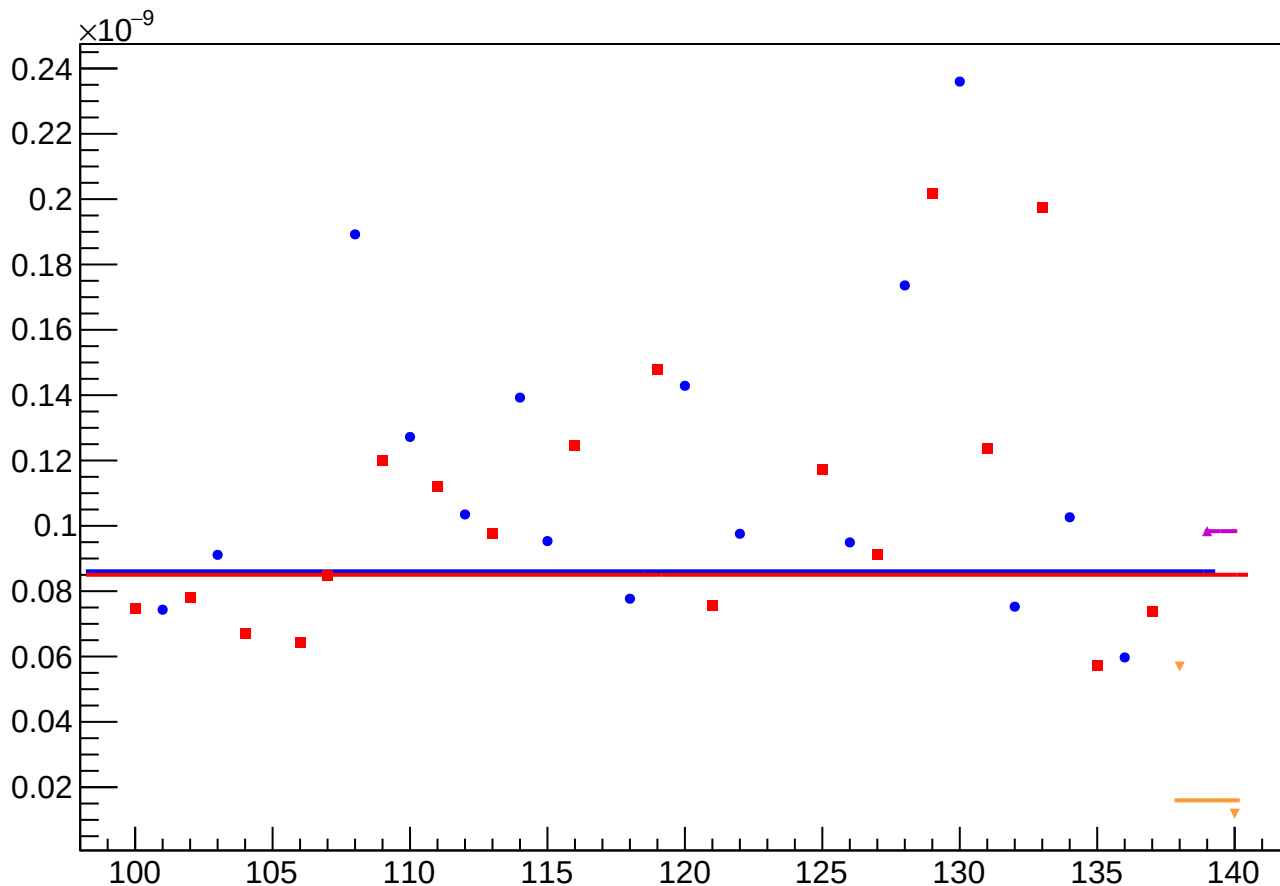
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.4/18

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 519731.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 983211.4/17

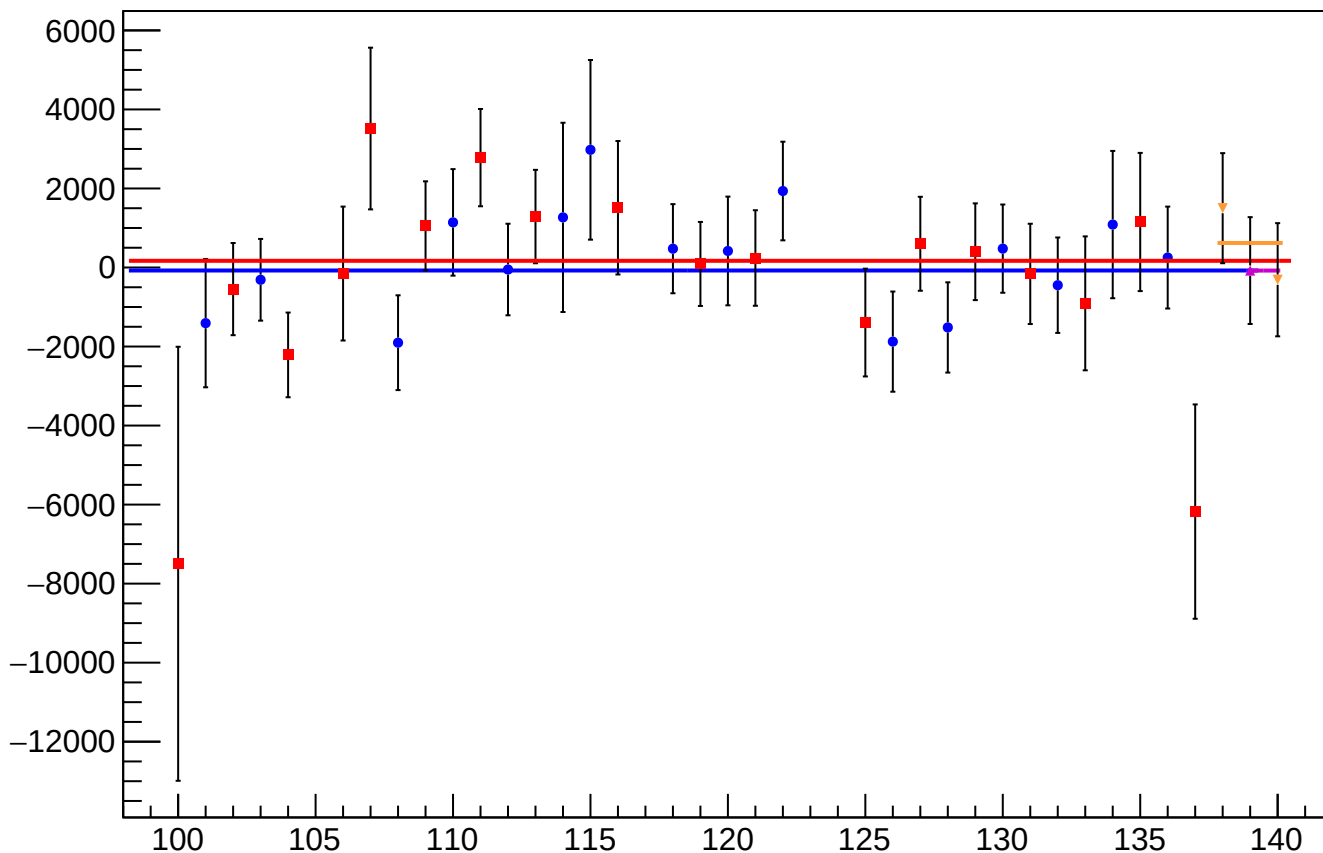
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5600921.3/17

All: 0.000+/-0.000 χ^2/NDF : 9219622.6/36

- sign 0.000+/-0.000 χ^2/NDF : 1002679.6/18

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944 ± 326.226 χ^2/NDF : 13.4/15

Left Out: 620.759 ± 998.400 χ^2/NDF : 0.8/1

Right Out: 169.345 ± 321.827 χ^2/NDF : 24.4/17

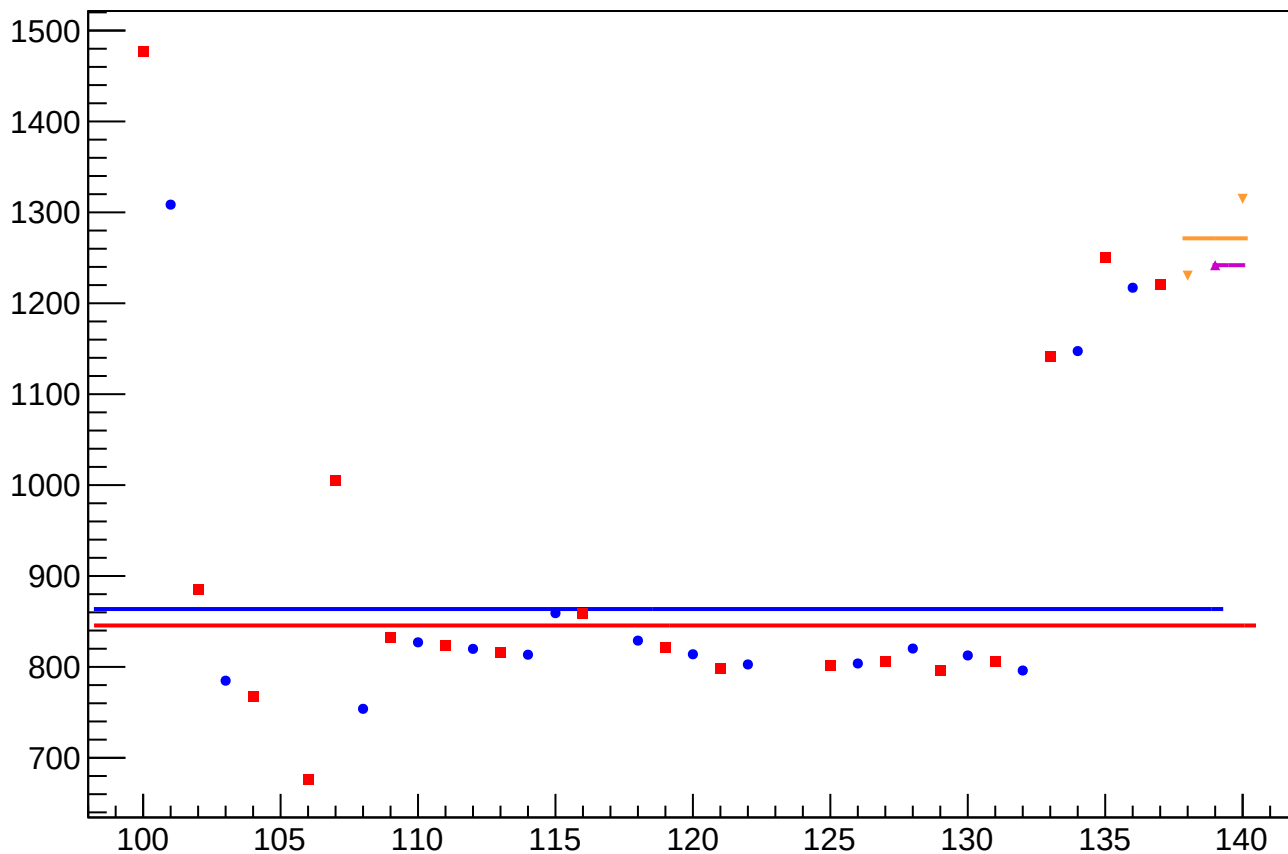
Left In: -77.622 ± 1351.923 χ^2/NDF : 0.0/0

+ sign -8.736 ± 310.092 χ^2/NDF : 14.6/17

All: 72.892 ± 220.317 χ^2/NDF : 39.2/36

- sign 156.100 ± 313.078 χ^2/NDF : 24.4/18

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF : 407498.8/15

Left Out: 1271.438+/-0.706 χ^2/NDF : 3583.2/1

Right Out: 845.579+/-0.225 χ^2/NDF : 307774.6/17

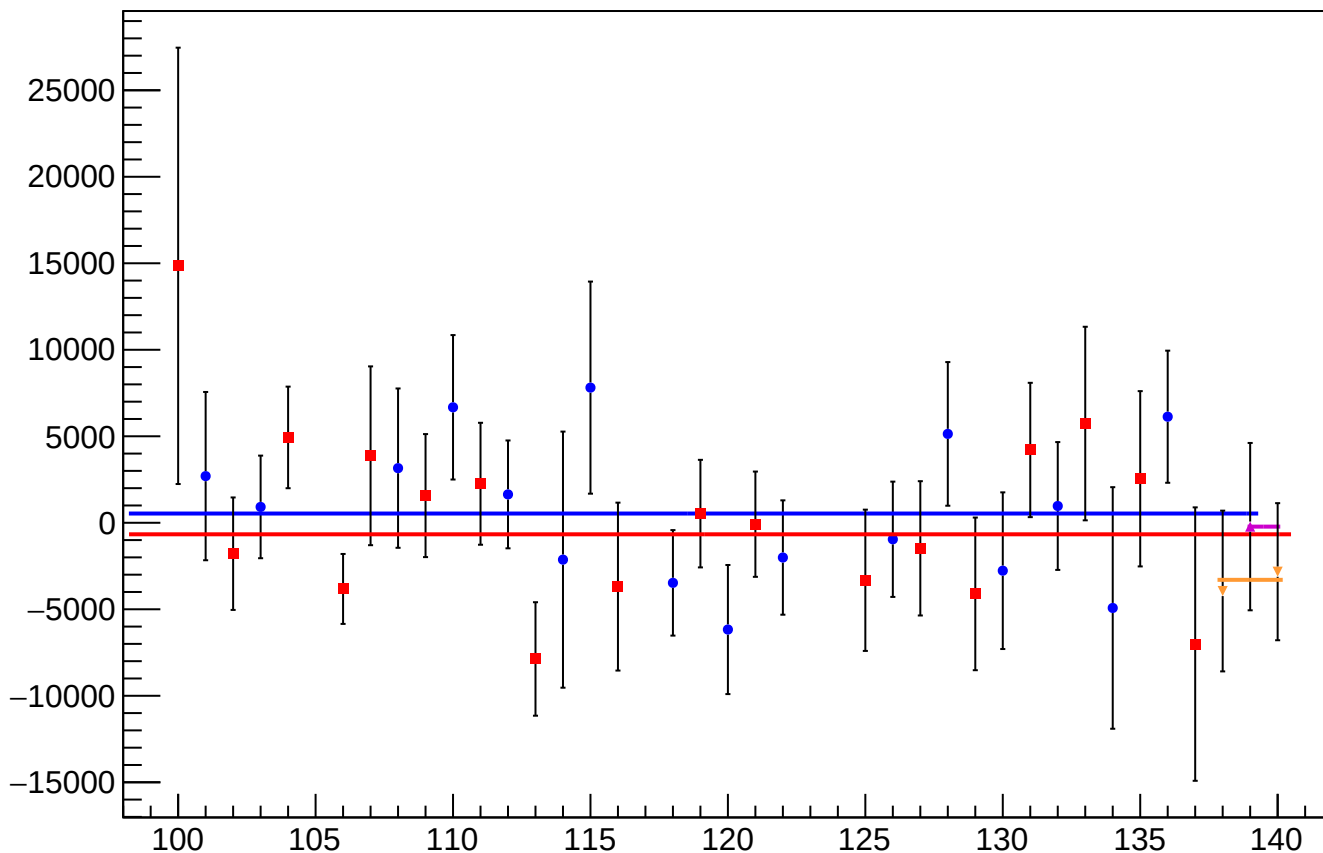
Left In: 1241.912+/-0.956 χ^2/NDF : 0.0/0

+ sign 902.998+/-0.219 χ^2/NDF : 712527.6/17

All: 884.628+/-0.155 χ^2/NDF : 1197193.3/36

- sign 866.339+/-0.219 χ^2/NDF : 470659.3/18

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507 $\pm$ 981.290 χ^2 /NDF: 14.7/15

Left Out: -3298.368 $\pm$ 3014.581 χ^2 /NDF: 0.0/1

Right Out: -665.878 $\pm$ 864.970 χ^2 /NDF: 20.0/17

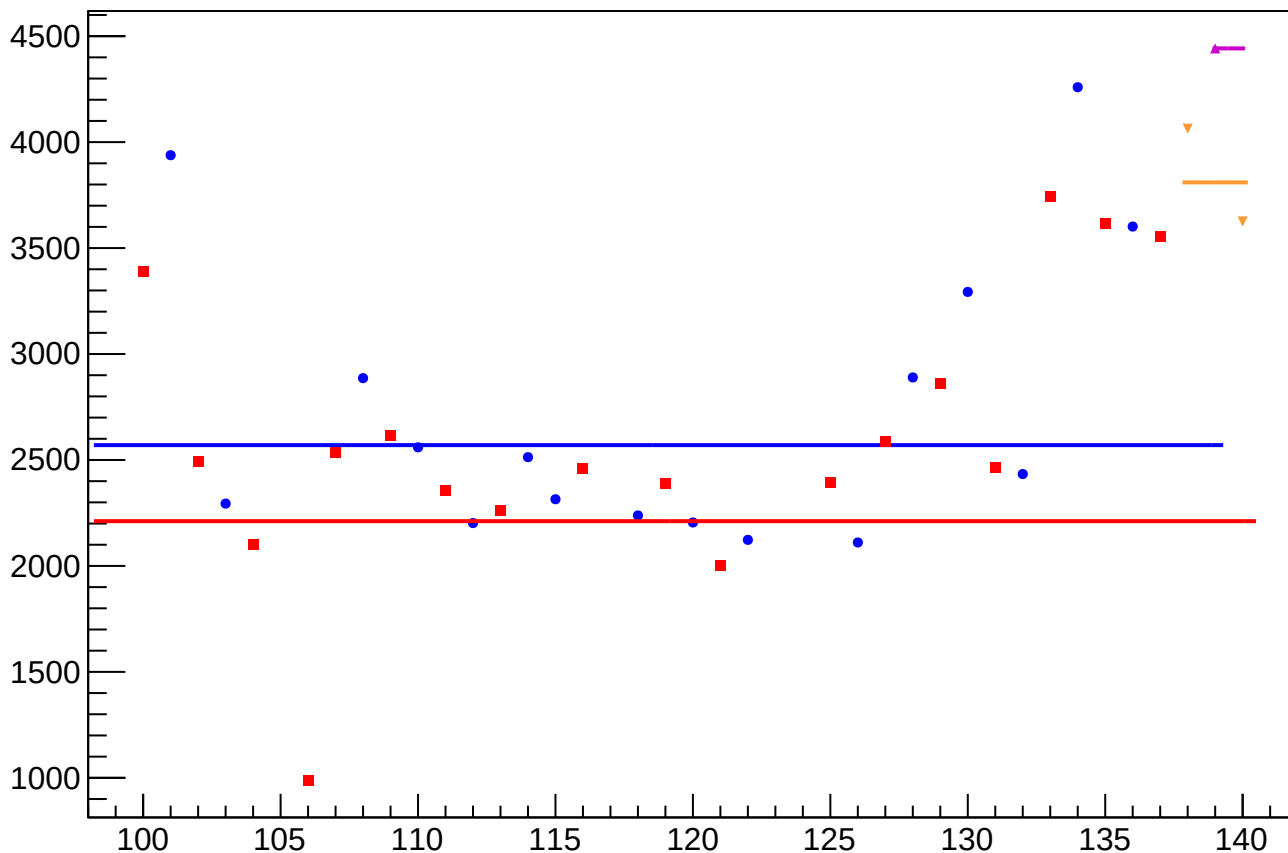
Left In: -222.458 $\pm$ 4836.487 χ^2 /NDF: 0.0/0

+ sign 167.287 $\pm$ 933.099 χ^2 /NDF: 16.1/17

All: -279.832 $\pm$ 628.959 χ^2 /NDF: 36.5/36

- sign -652.135 $\pm$ 851.460 χ^2 /NDF: 20.0/18

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF : 662477.9/15

Left Out: 3809.959+/-2.132 χ^2/NDF : 10297.4/1

Right Out: 2211.269+/-0.612 χ^2/NDF : 1264087.9/17

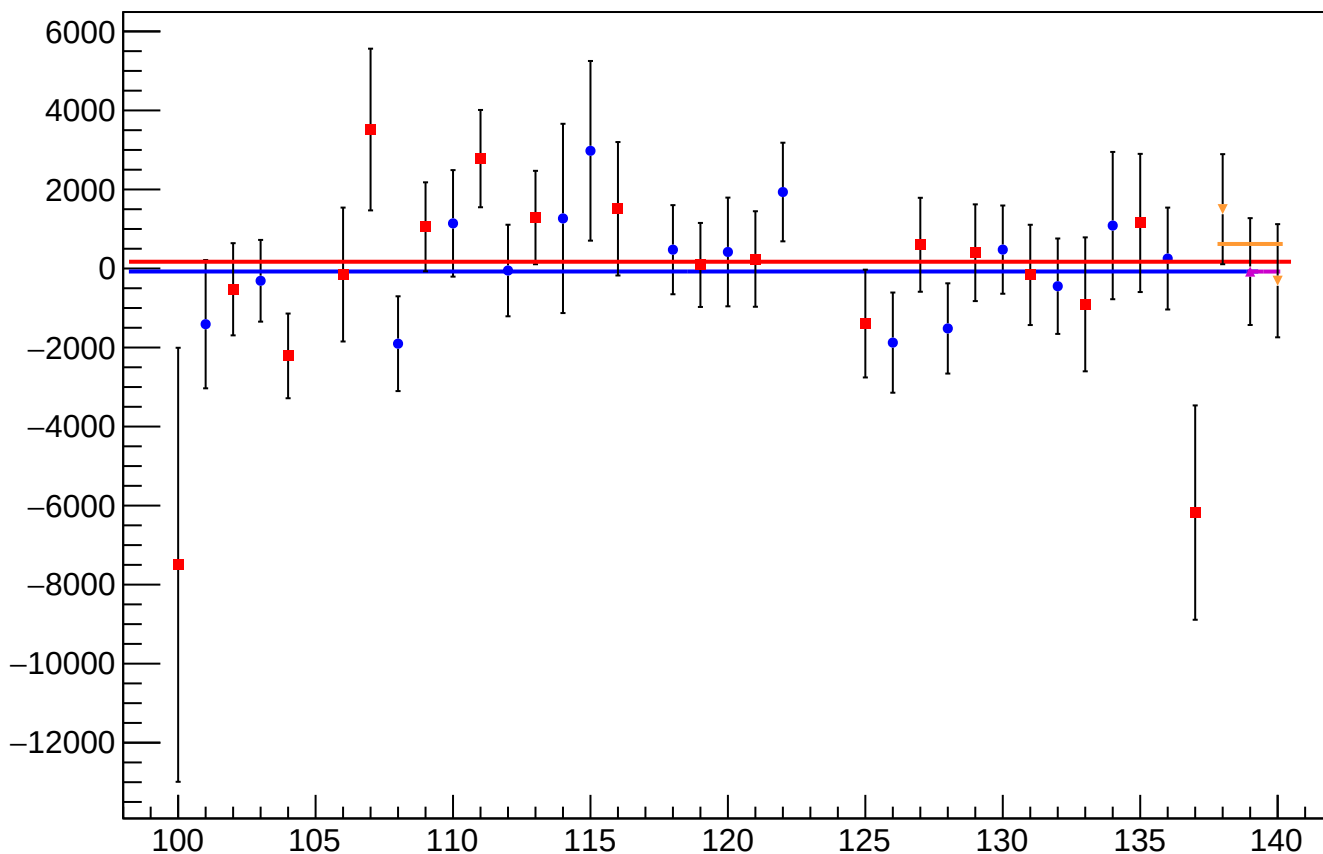
Left In: 4442.329+/-3.420 χ^2/NDF : 0.0/0

+ sign 2688.920+/-0.660 χ^2/NDF : 978659.3/17

All: 2466.020+/-0.445 χ^2/NDF : 2864307.6/30

- sign 2280.417+/-0.602 χ^2/NDF : 1676488.1/18

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 χ^2/NDF : 13.3/15

Left Out: 620.703 ± 998.400 χ^2/NDF : 0.8/1

Right Out: 170.982 ± 321.832 χ^2/NDF : 24.4/17

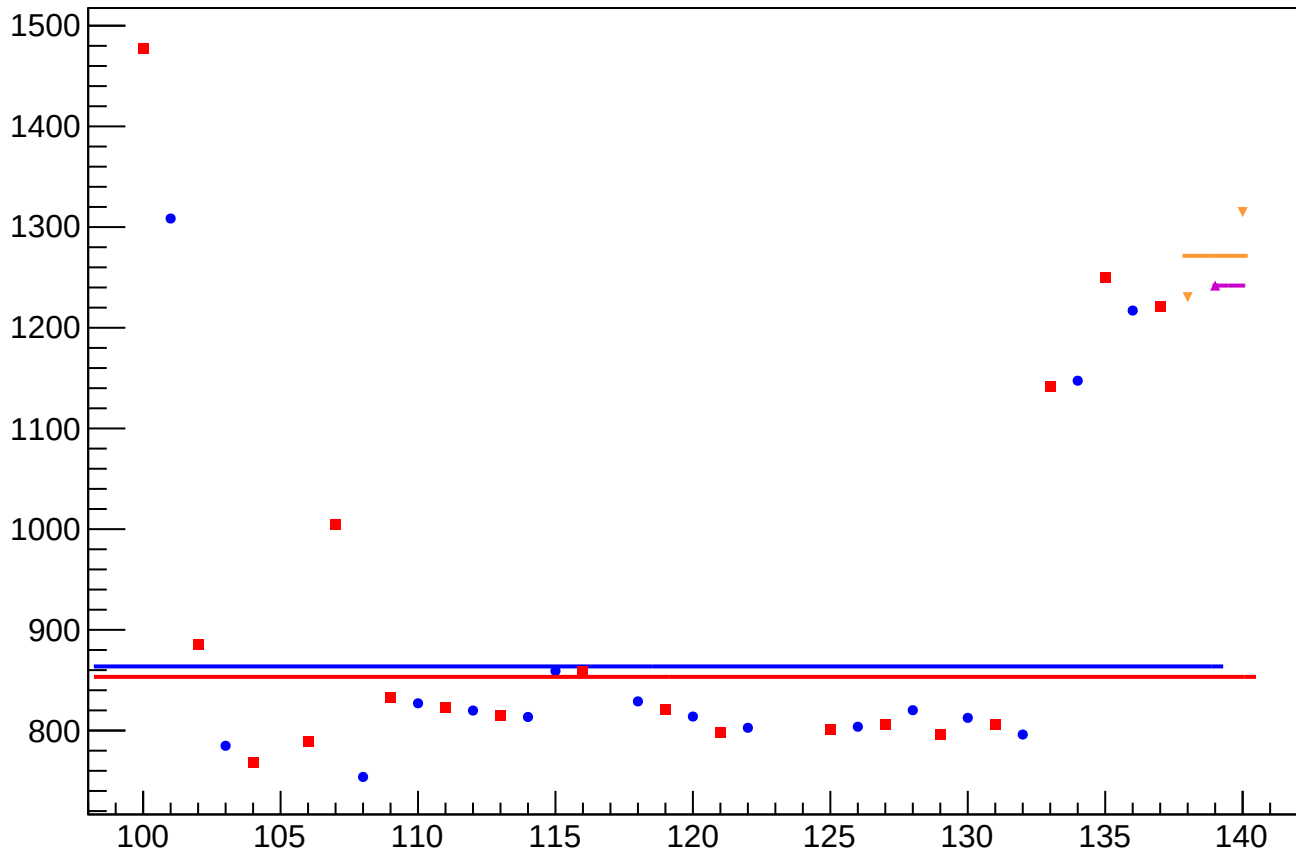
Left In: -77.797 ± 1351.923 χ^2/NDF : 0.0/0

+ sign -8.812 ± 310.093 χ^2/NDF : 14.6/17

All: 73.615 ± 220.318 χ^2/NDF : 39.1/36

- sign 157.640 ± 313.083 χ^2/NDF : 24.4/18

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.5/15

Left Out: 1271.438 $\pm$ 0.706 χ^2 /NDF: 3583.2/1

Right Out: 853.289 $\pm$ 0.226 χ^2 /NDF: 275357.1/17

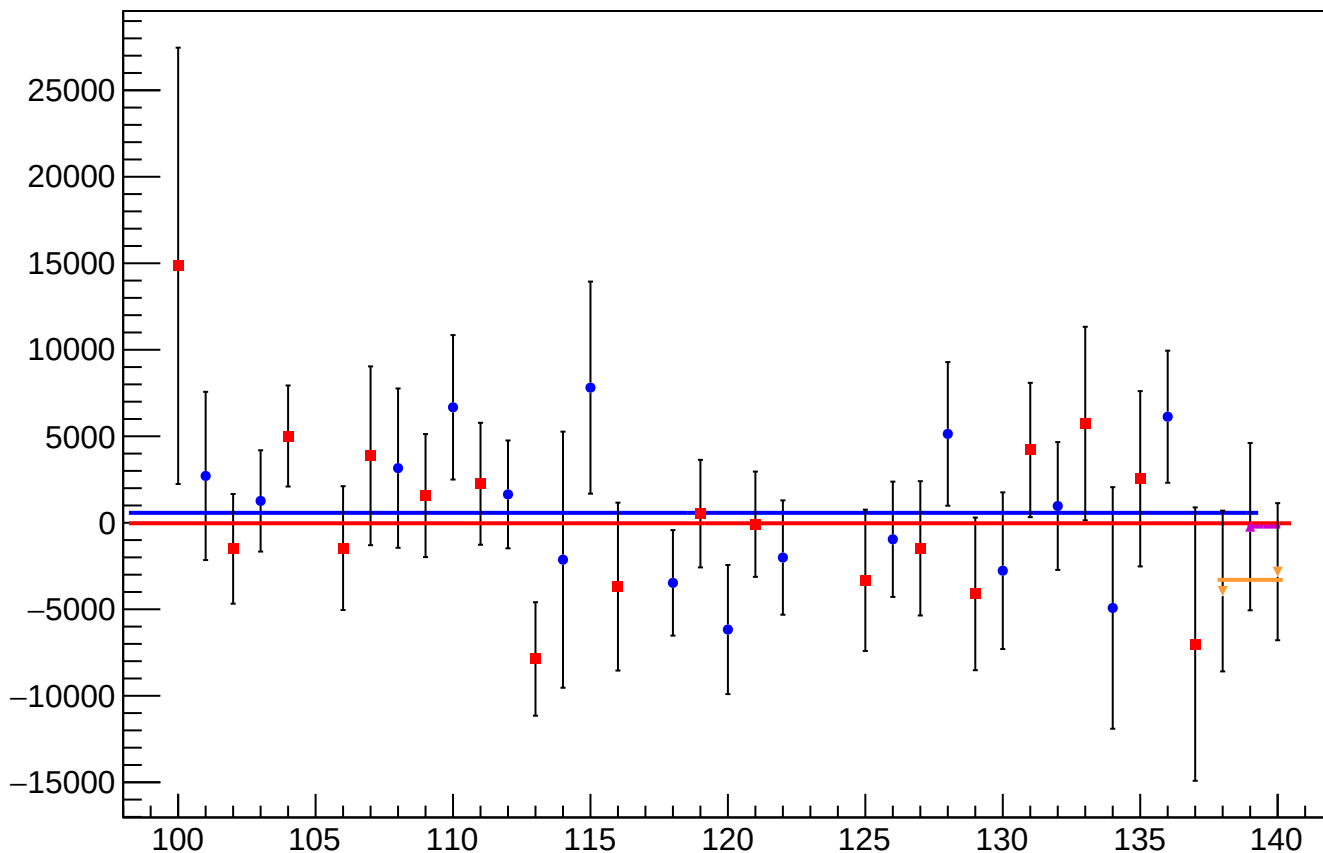
Left In: 1241.912 $\pm$ 0.956 χ^2 /NDF: 0.0/0

+ sign 902.998 $\pm$ 0.219 χ^2 /NDF: 712527.4/17

All: 888.531 $\pm$ 0.155 χ^2 /NDF: 1153119.9/36

- sign 873.928 $\pm$ 0.220 χ^2 /NDF: 431845.6/18

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964 $\pm$ 979.856 χ^2 /NDF: 14.7/15

Left Out: -3298.530 $\pm$ 3014.579 χ^2 /NDF:0.0/1

Right Out: -28.604 $\pm$ 922.115 χ^2 /NDF: 17.2/17

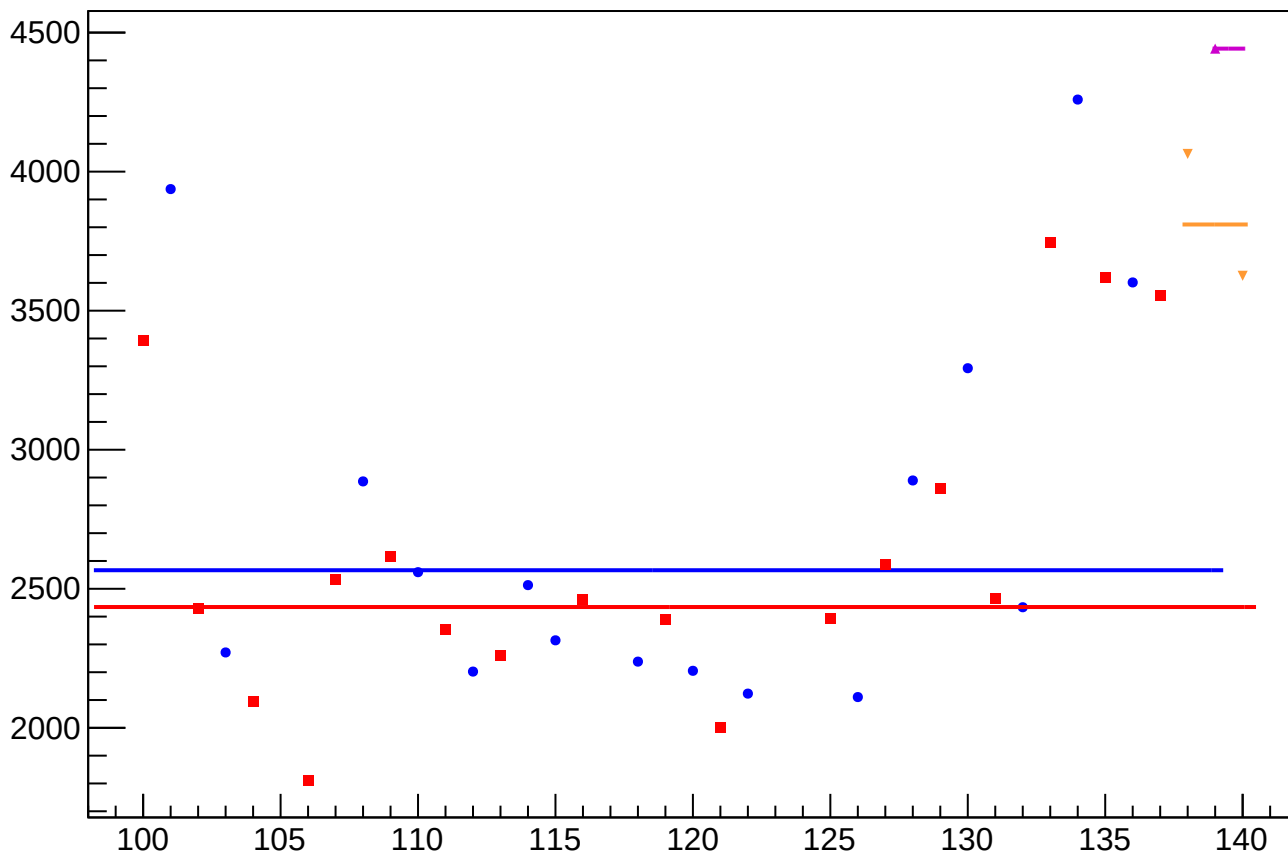
Left In: -222.452 $\pm$ 4836.479 χ^2 /NDF:0.0/0

+ sign 204.832 $\pm$ 931.866 χ^2 /NDF: 16.2/17

All: 81.308 $\pm$ 649.516 χ^2 /NDF: 33.5/36

- sign -35.403 $\pm$ 905.799 χ^2 /NDF: 17.2/18

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2 /NDF: 665871.6/15

Left Out: 3809.956+/-2.132 χ^2 /NDF:10297.5/1

Right Out: 2434.430+/-0.652 χ^2 /NDF: 434078.9/17

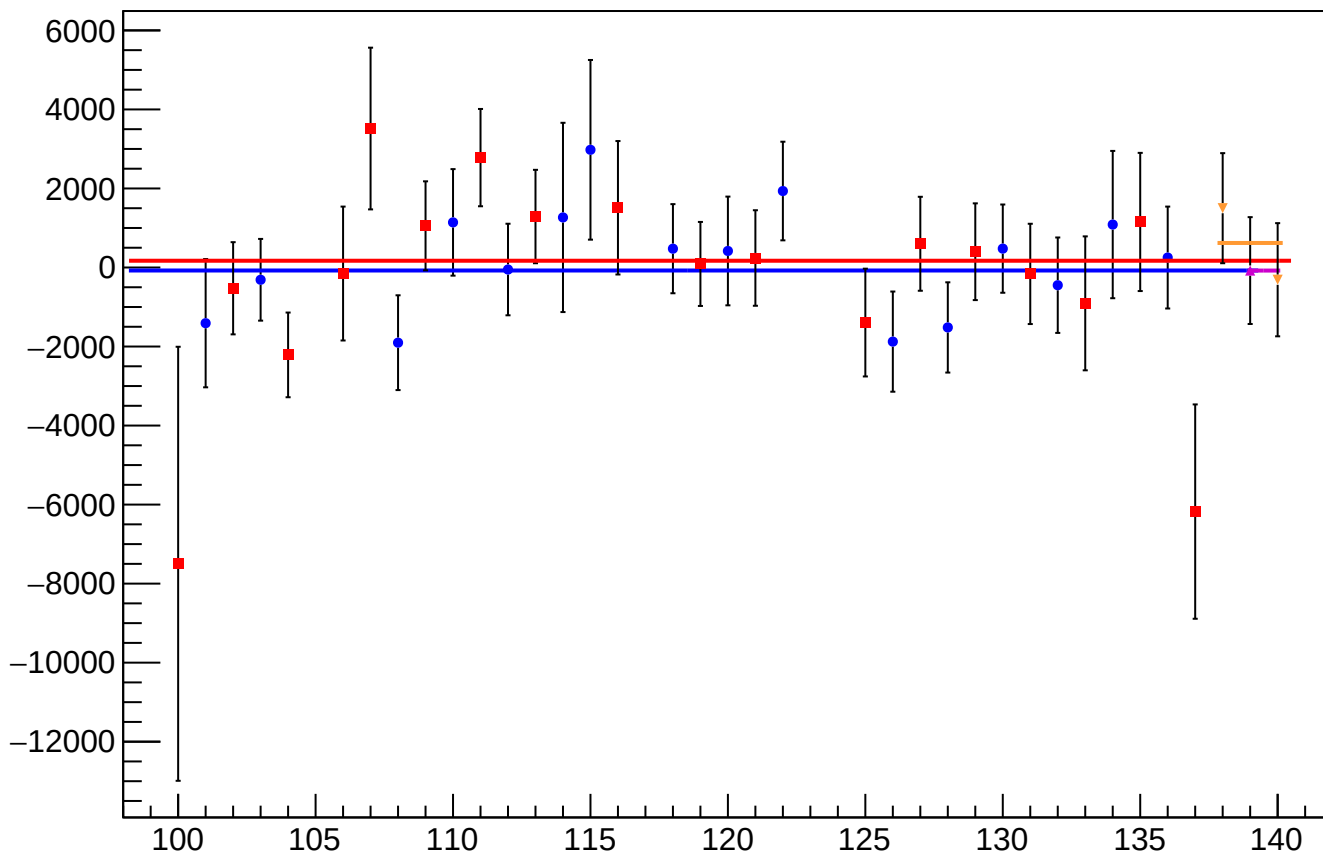
Left In: 4442.321+/-3.420 χ^2 /NDF:0.0/0

+ sign 2685.528+/-0.659 χ^2 /NDF: 983819.2/17

All: 2592.631+/-0.459 χ^2 /NDF: 1789171.1/30

- sign 2504.858+/-0.640 χ^2 /NDF: 766696.1/18

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 χ^2/NDF : 13.3/15

Left Out: 620.703 ± 998.400 χ^2/NDF : 0.8/1

Right Out: 170.982 ± 321.832 χ^2/NDF : 24.4/17

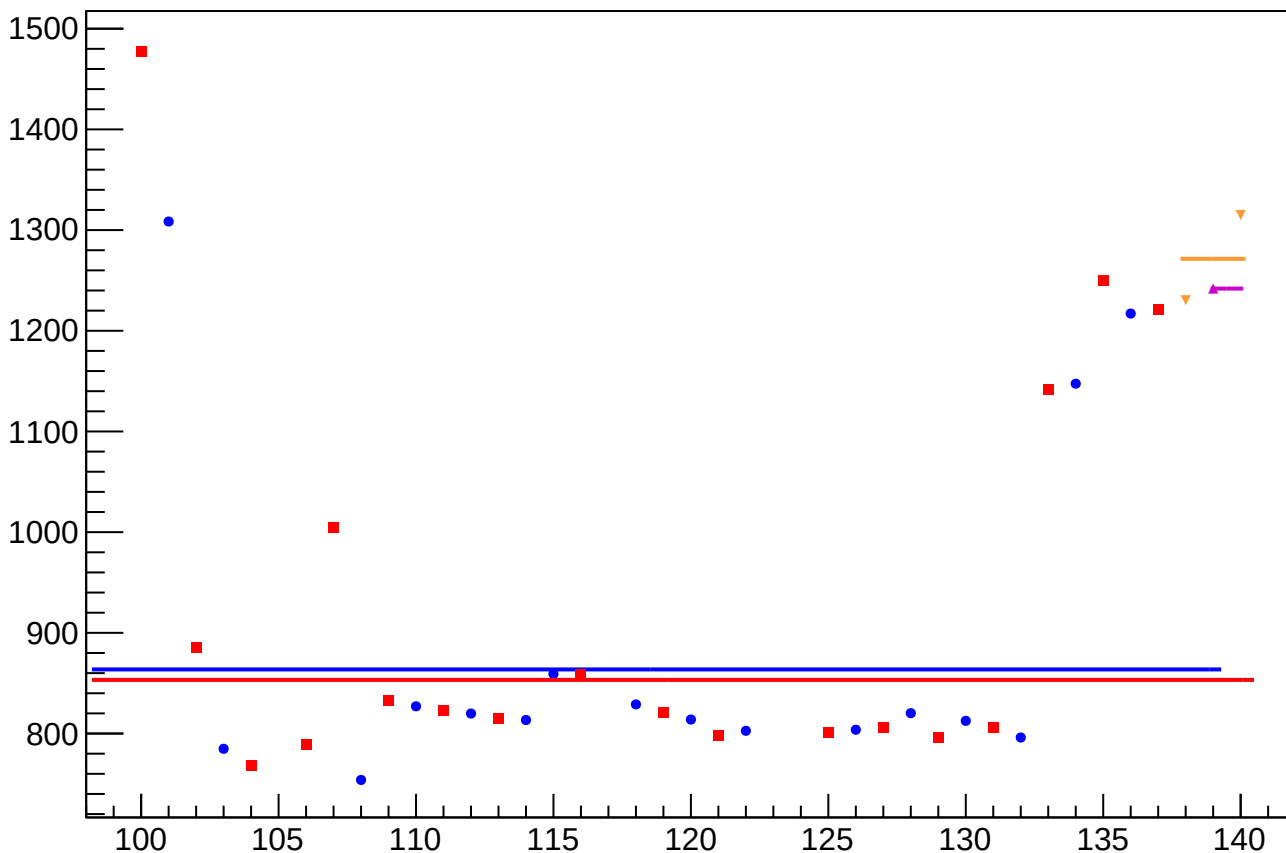
Left In: -77.797 ± 1351.923 χ^2/NDF : 0.0/0

+ sign -8.812 ± 310.093 χ^2/NDF : 14.6/17

All: 73.615 ± 220.318 χ^2/NDF : 39.1/36

- sign 157.640 ± 313.083 χ^2/NDF : 24.4/18

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.5/15

Left Out: 1271.438 $\pm$ 0.706 χ^2 /NDF: 3583.2/1

Right Out: 853.289 $\pm$ 0.226 χ^2 /NDF: 275357.1/17

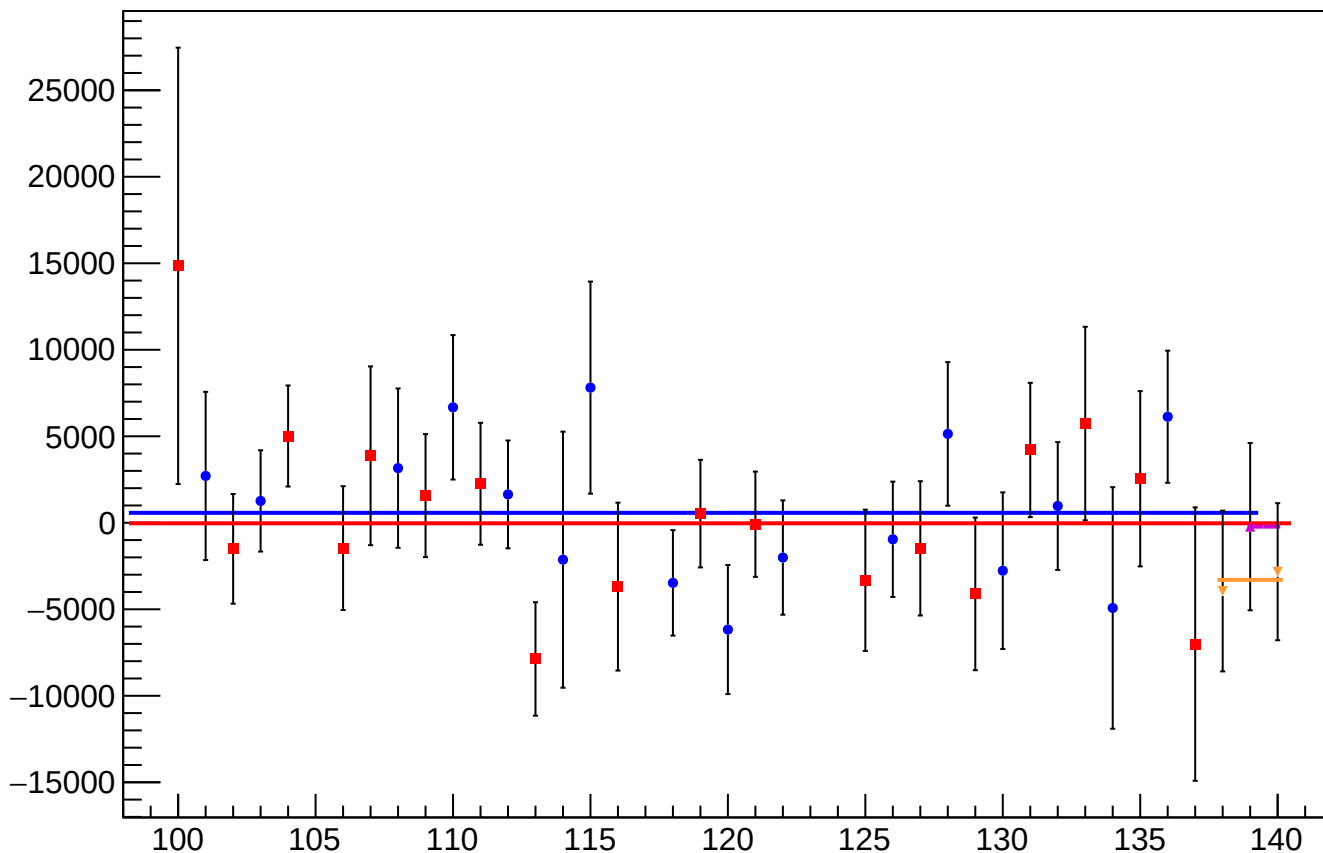
Left In: 1241.912 $\pm$ 0.956 χ^2 /NDF: 0.0/0

+ sign 902.998 $\pm$ 0.219 χ^2 /NDF: 712527.4/17

All: 888.531 $\pm$ 0.155 χ^2 /NDF: 1153119.9/36

- sign 873.928 $\pm$ 0.220 χ^2 /NDF: 431845.6/18

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 574.964 $\pm$ 979.856 χ^2 /NDF: 14.7/15

Left Out: -3298.530 $\pm$ 3014.579 χ^2 /NDF:0.0/1

Right Out: -28.604 $\pm$ 922.115 χ^2 /NDF: 17.2/17

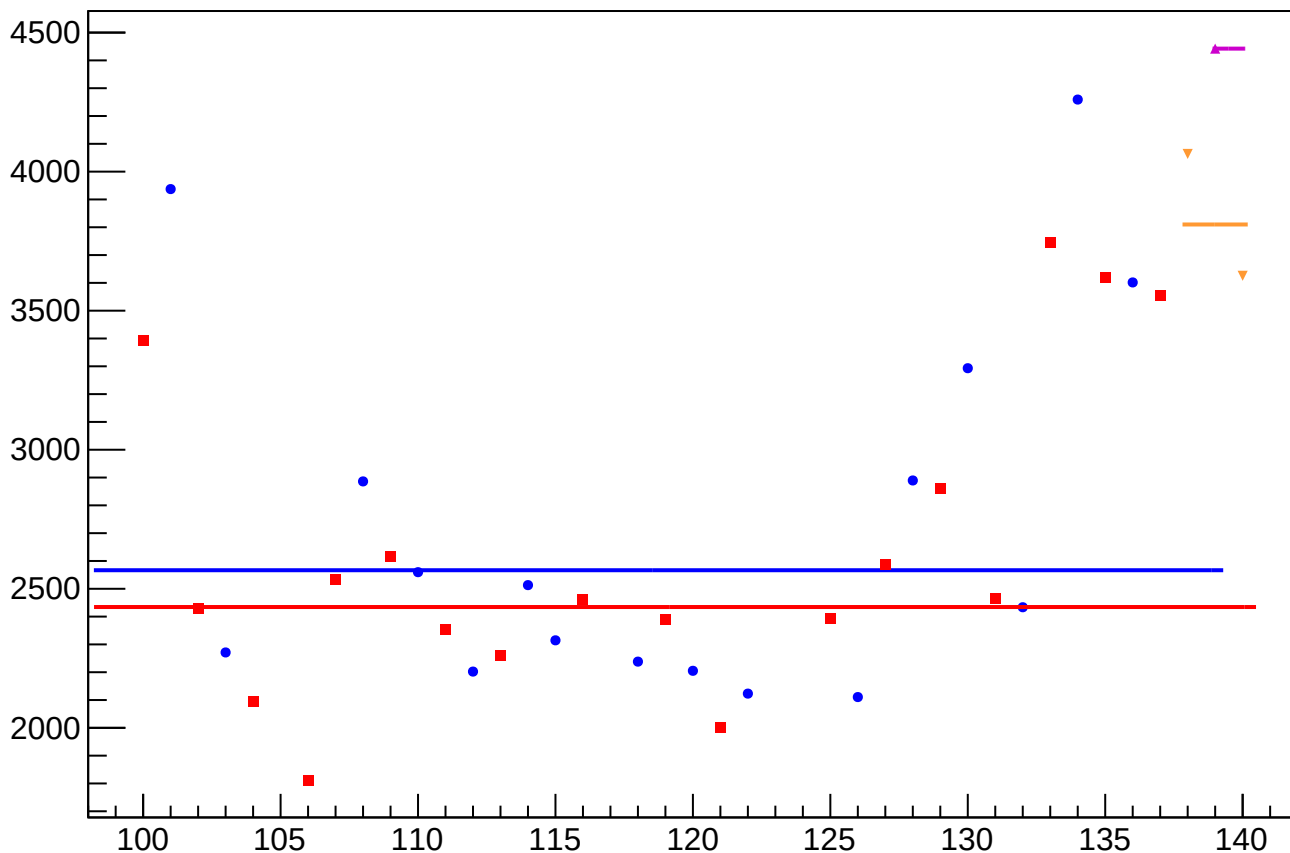
Left In: -222.452 $\pm$ 4836.479 χ^2 /NDF:0.0/0

+ sign 204.832 $\pm$ 931.866 χ^2 /NDF: 16.2/17

All: 81.308 $\pm$ 649.516 χ^2 /NDF: 33.5/36

- sign -35.403 $\pm$ 905.799 χ^2 /NDF: 17.2/18

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732 $\pm$ 0.693 χ^2/NDF : 665871.6/15

Left Out: 3809.956 $\pm$ 2.132 χ^2/NDF :10297.5/1

Right Out: 2434.430 $\pm$ 0.652 χ^2/NDF : 434078.9/17

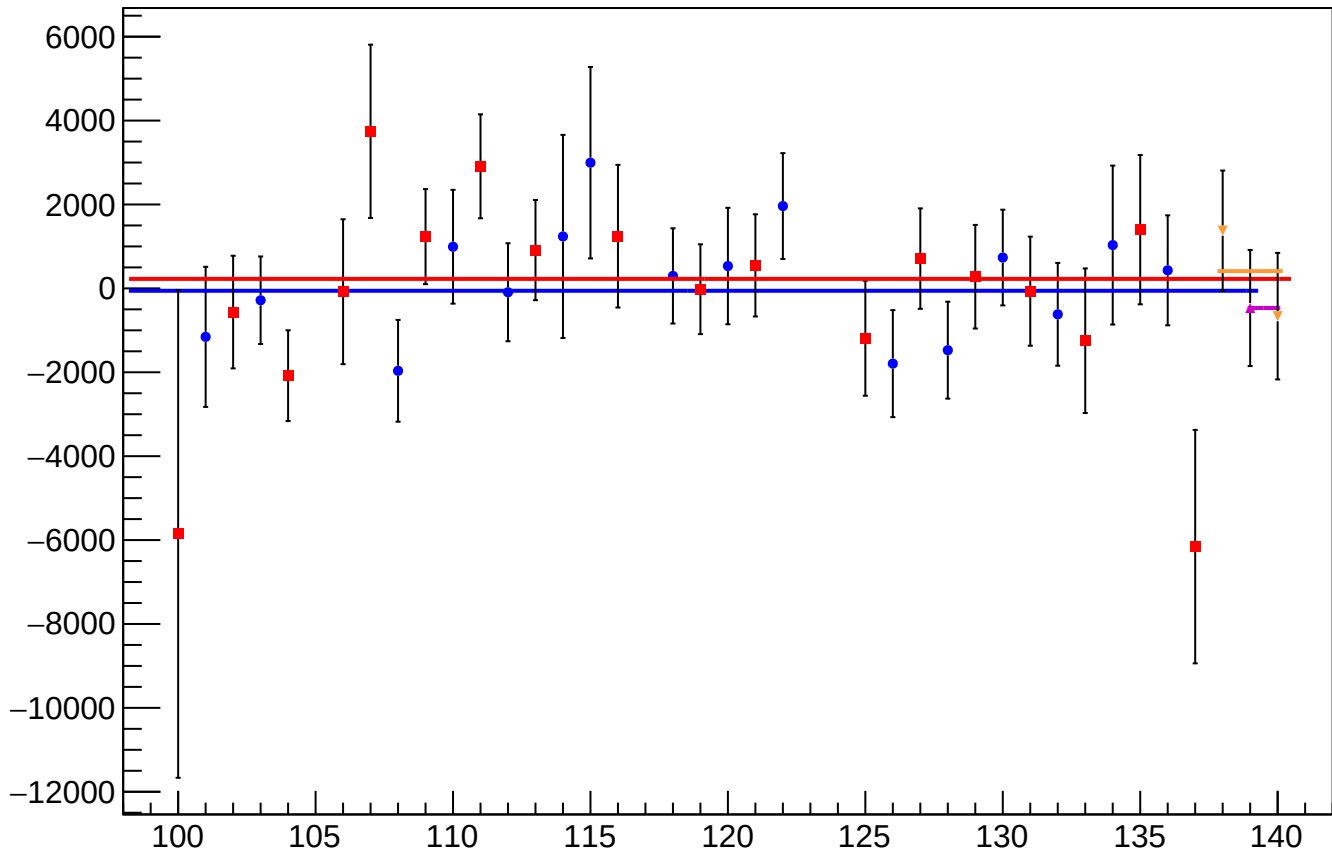
Left In: 4442.321 $\pm$ 3.420 χ^2/NDF :0.0/0

+ sign 2685.528 $\pm$ 0.659 χ^2/NDF : 983819.2/17

All: 2592.631 $\pm$ 0.459 χ^2/NDF : 1789171.1/30

- sign 2504.858 $\pm$ 0.640 χ^2/NDF : 766696.1/18

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208 ± 330.088 χ^2/NDF : 13.0/15

Left Out: 410.512 ± 1038.182 χ^2/NDF : 1.0/1

Right Out: 226.075 ± 328.069 χ^2/NDF : 22.9/17

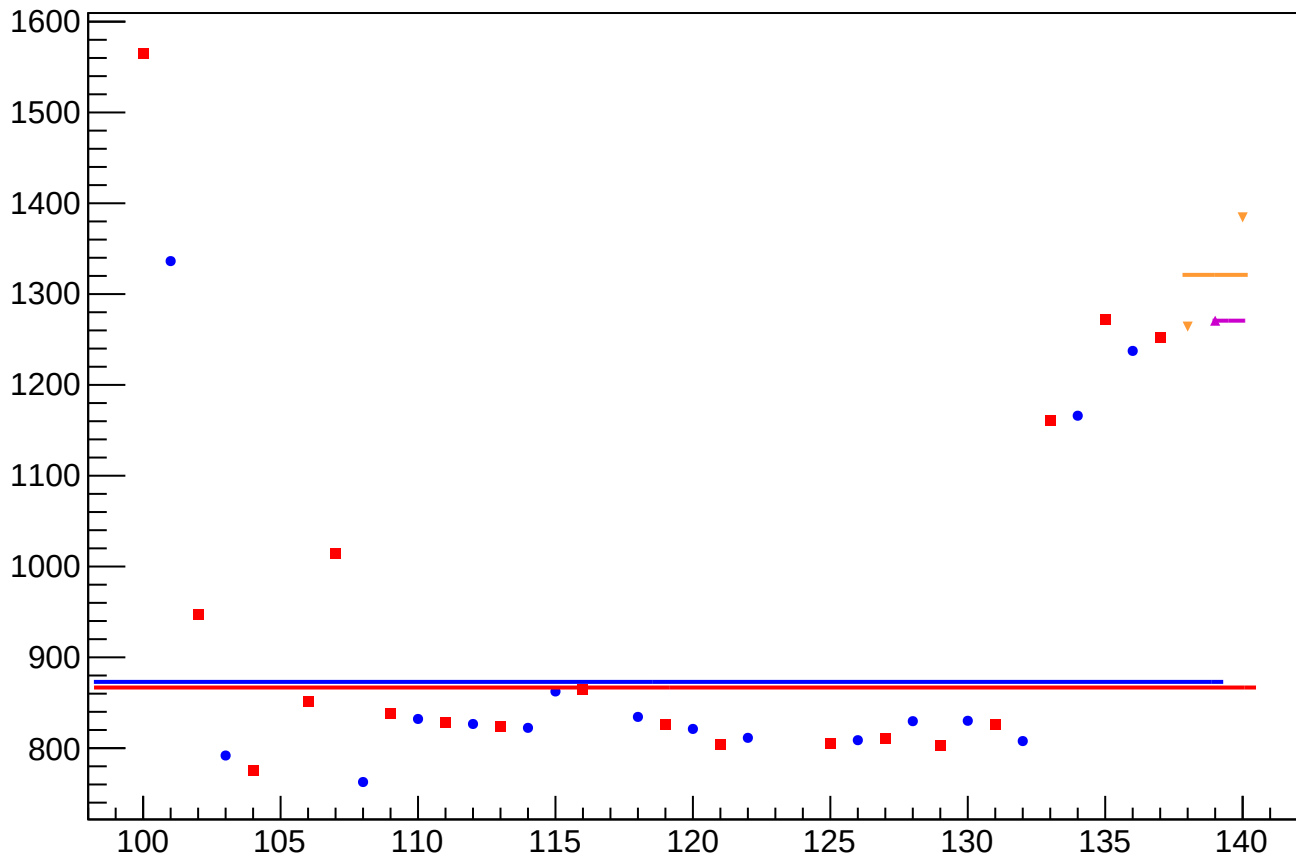
Left In: -467.916 ± 1384.395 χ^2/NDF : 0.0/0

+ sign -14.266 ± 314.570 χ^2/NDF : 14.1/17

All: 85.959 ± 224.063 χ^2/NDF : 37.5/36

- sign 189.174 ± 319.228 χ^2/NDF : 23.2/18

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF : 417099.2/15

Left Out: 1321.165+/-0.734 χ^2/NDF : 6696.6/1

Right Out: 866.772+/-0.232 χ^2/NDF : 290386.4/17

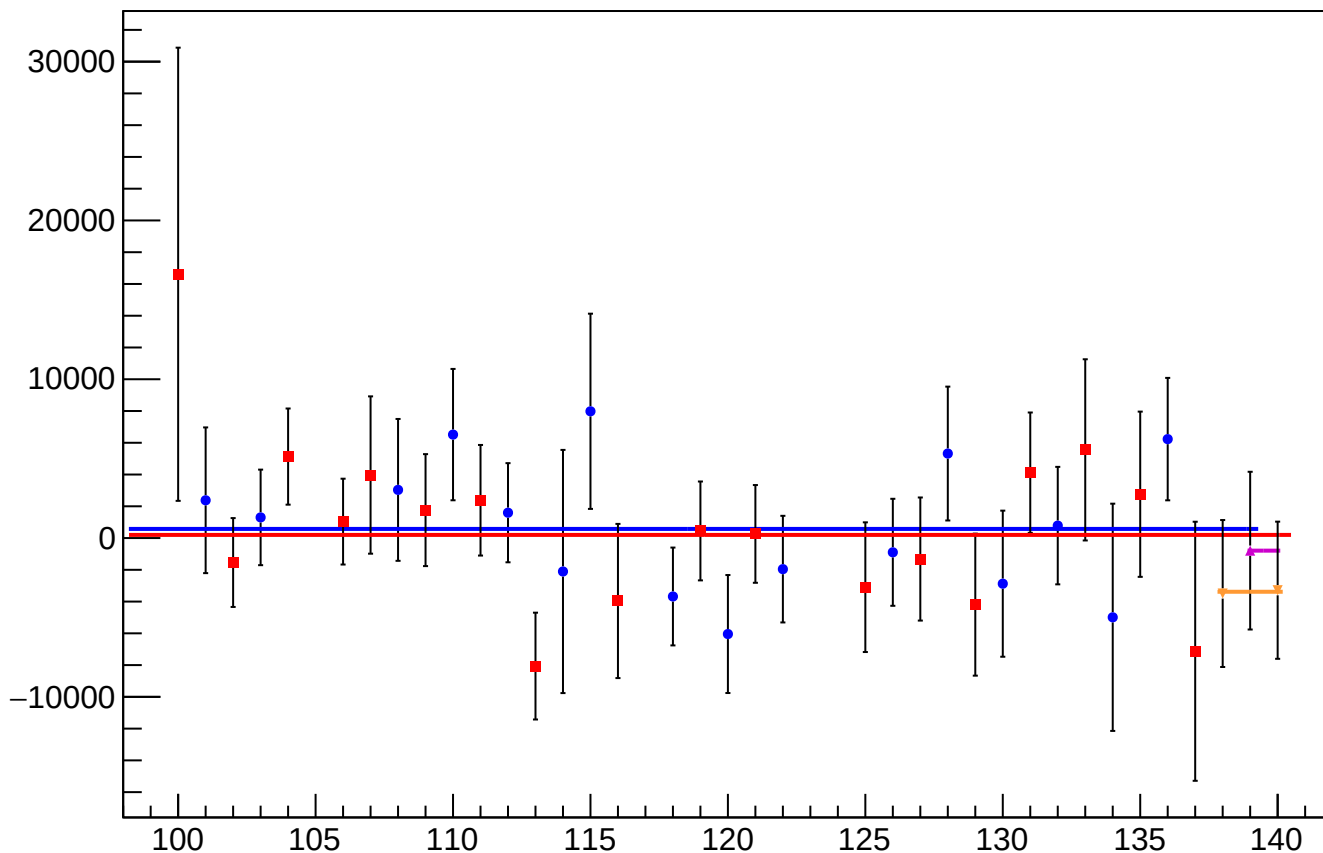
Left In: 1270.723+/-0.979 χ^2/NDF : 0.0/0

+ sign 914.120+/-0.222 χ^2/NDF : 762320.6/17

All: 901.343+/-0.158 χ^2/NDF : 1220642.2/36

- sign 888.210+/-0.226 χ^2/NDF : 451631.0/18

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF : 14.7/15

Left Out: -3382.051+/-3157.233 χ^2/NDF : 0.0/1

Right Out: 197.953+/-894.121 χ^2/NDF : 17.2/17

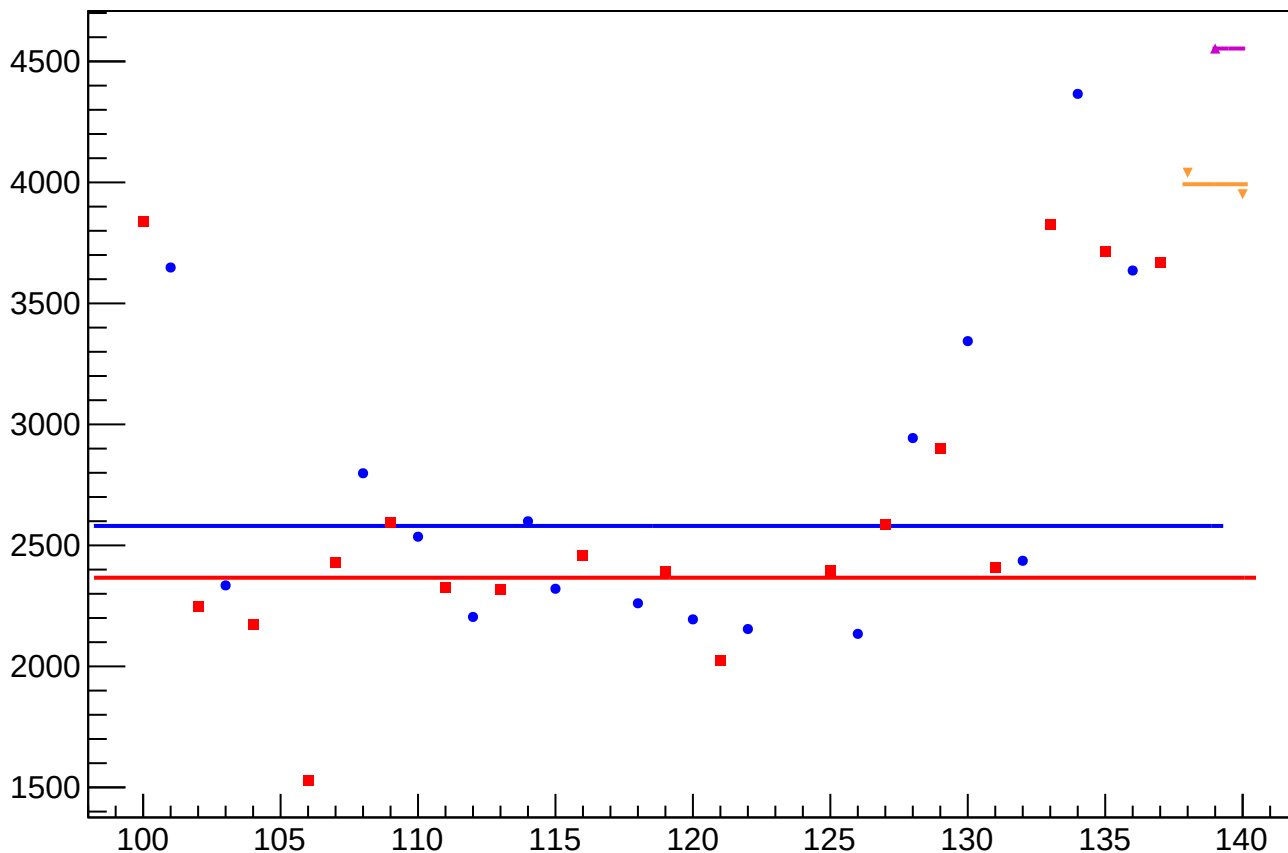
Left In: -792.981+/-4966.160 χ^2/NDF : 0.0/0

+ sign 224.332+/-940.204 χ^2/NDF : 16.1/17

All: 193.686+/-642.473 χ^2/NDF : 33.3/36

- sign 166.840+/-879.973 χ^2/NDF : 17.2/18

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF : 617156.1/15

Left Out: 3992.455+/-2.233 χ^2/NDF :393.5/1

Right Out: 2366.412+/-0.632 χ^2/NDF : 611695.1/17

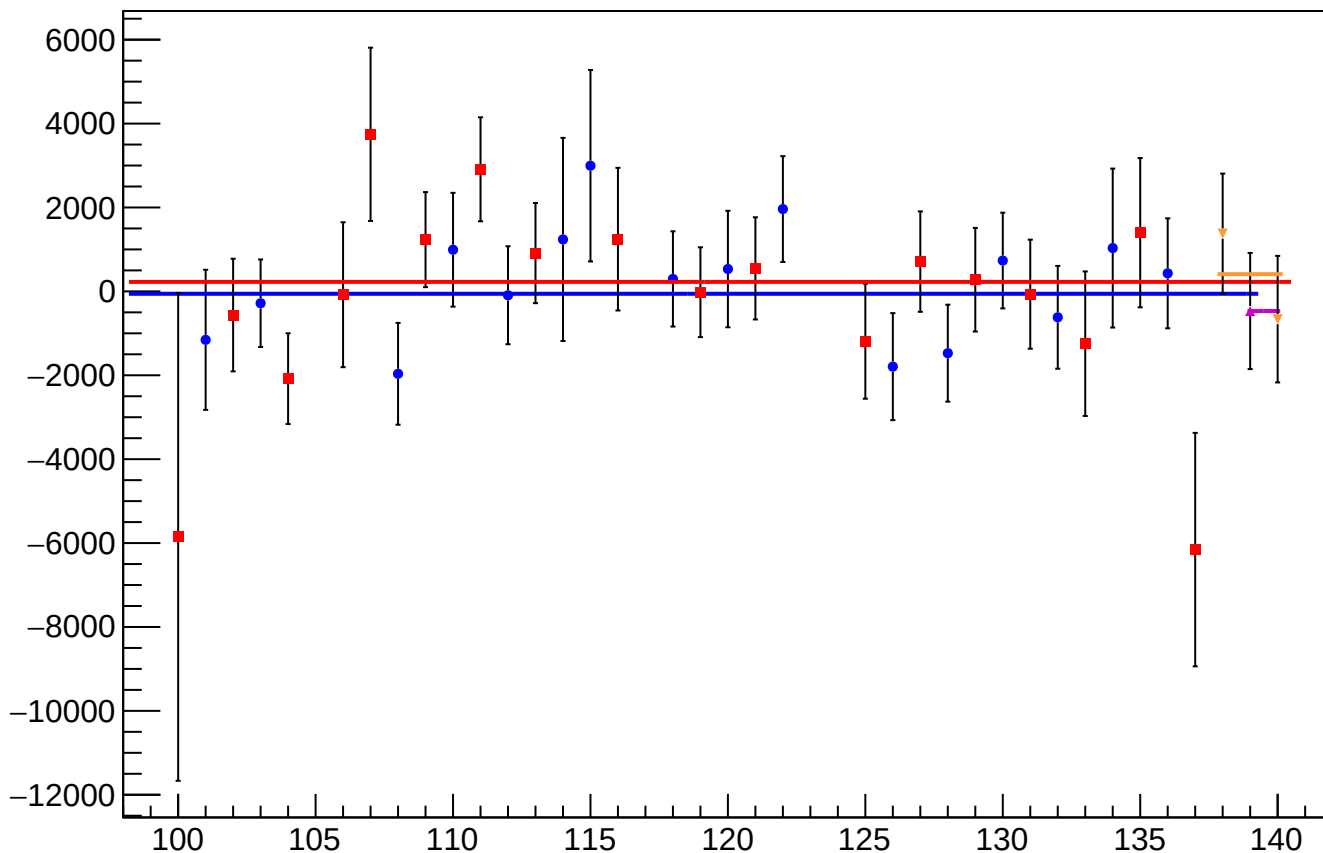
Left In: 4553.271+/-3.512 χ^2/NDF :0.0/0

+ sign 2705.601+/-0.665 χ^2/NDF : 982139.3/17

All: 2561.396+/-0.454 χ^2/NDF : 2057740.6/30

- sign 2435.074+/-0.622 χ^2/NDF : 987338.4/18

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211 ± 330.088 χ^2/NDF : 13.0/15

Left Out: 410.505 ± 1038.182 χ^2/NDF : 1.0/1

Right Out: 226.078 ± 328.069 χ^2/NDF : 22.9/17

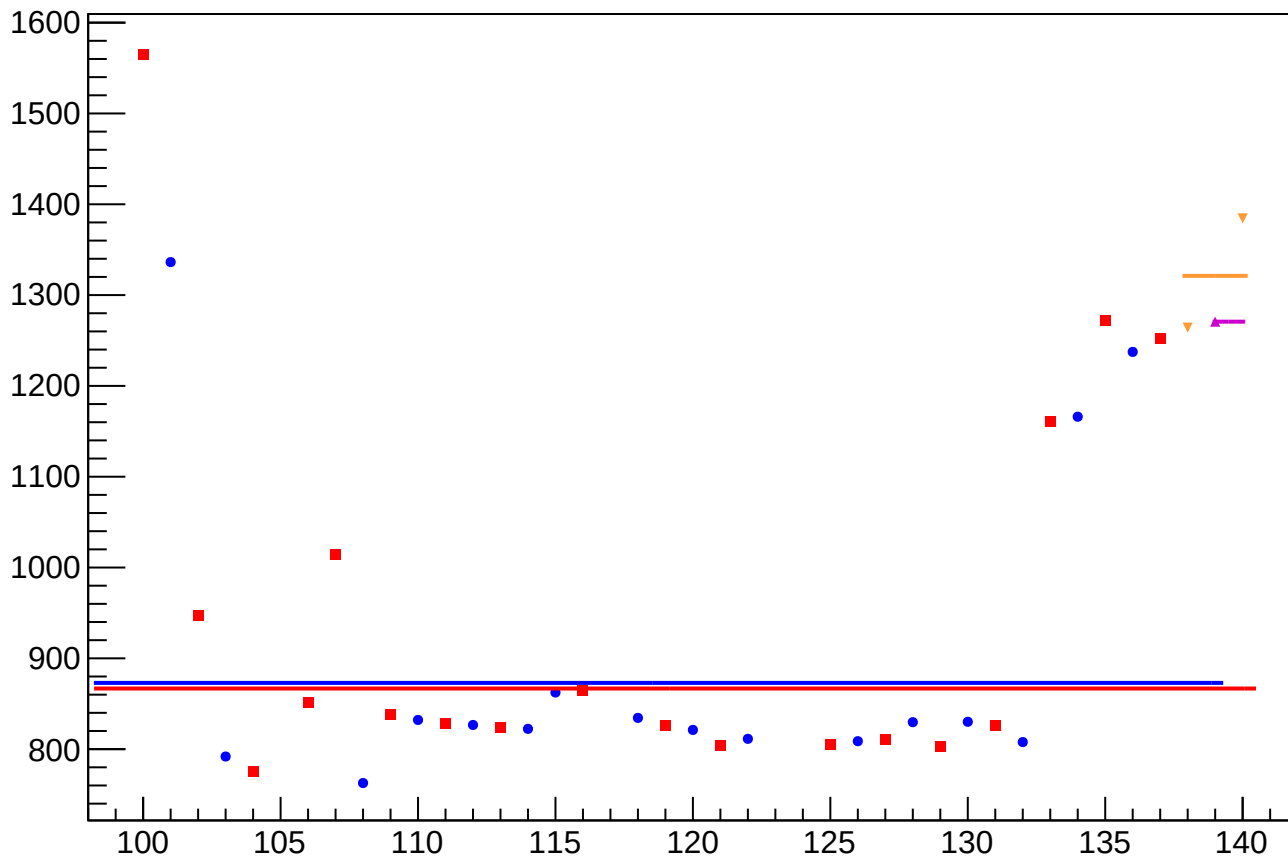
Left In: -467.917 ± 1384.396 χ^2/NDF : 0.0/0

+ sign -14.270 ± 314.571 χ^2/NDF : 14.1/17

All: 85.959 ± 224.063 χ^2/NDF : 37.5/36

- sign 189.177 ± 319.228 χ^2/NDF : 23.2/18

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972 $\pm$ 0.233 χ^2 /NDF: 417098.9/15

Left Out: 1321.165 $\pm$ 0.734 χ^2 /NDF: 6696.8/1

Right Out: 866.772 $\pm$ 0.232 χ^2 /NDF: 290386.6/17

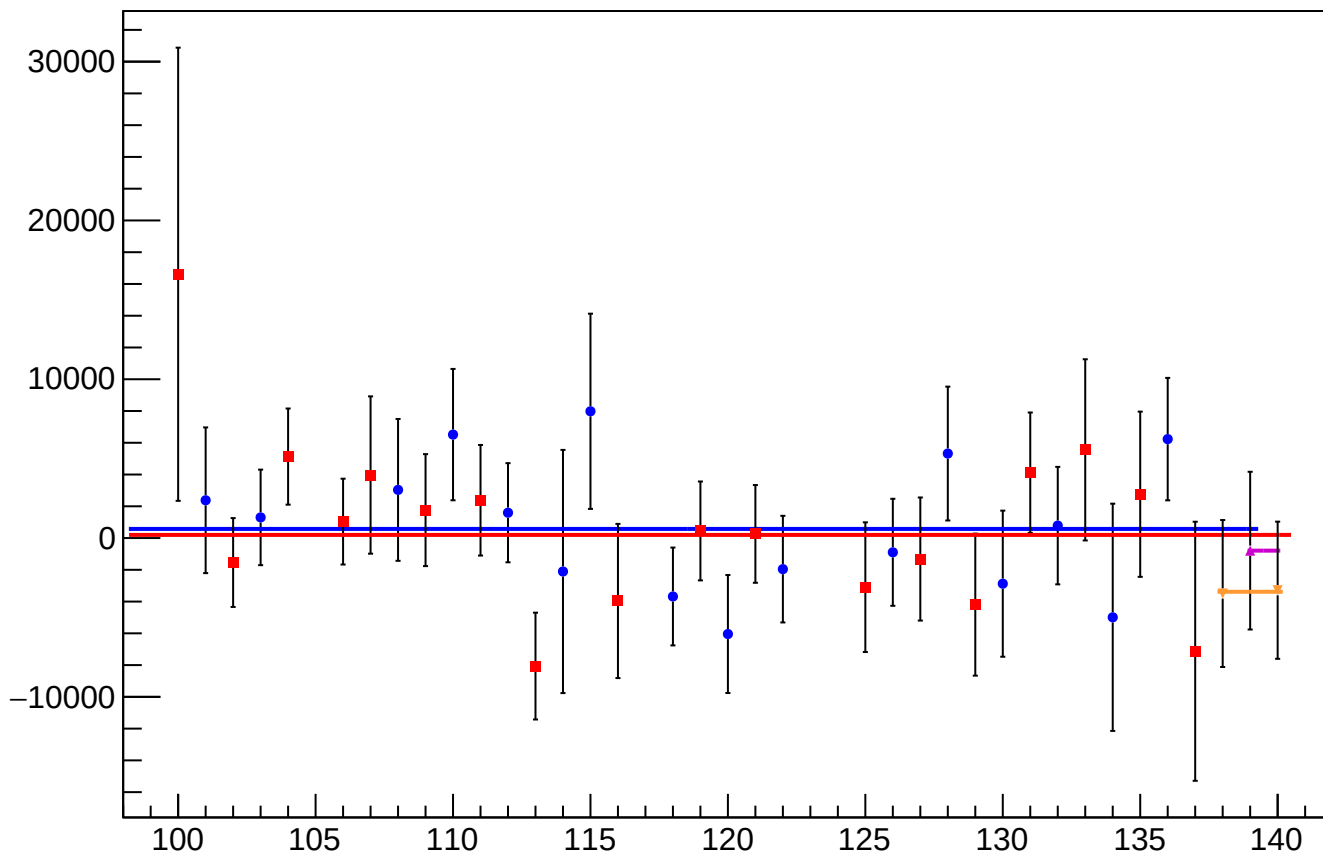
Left In: 1270.725 $\pm$ 0.979 χ^2 /NDF: 0.0/0

+ sign 914.120 $\pm$ 0.222 χ^2 /NDF: 762321.1/17

All: 901.344 $\pm$ 0.158 χ^2 /NDF: 1220643.6/36

- sign 888.211 $\pm$ 0.226 χ^2 /NDF: 451631.9/18

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 575.266 $\pm$ 984.885 χ^2 /NDF: 14.7/15

Left Out: -3382.057 $\pm$ 3157.242 χ^2 /NDF:0.0/1

Right Out: 197.955 $\pm$ 894.119 χ^2 /NDF: 17.2/17

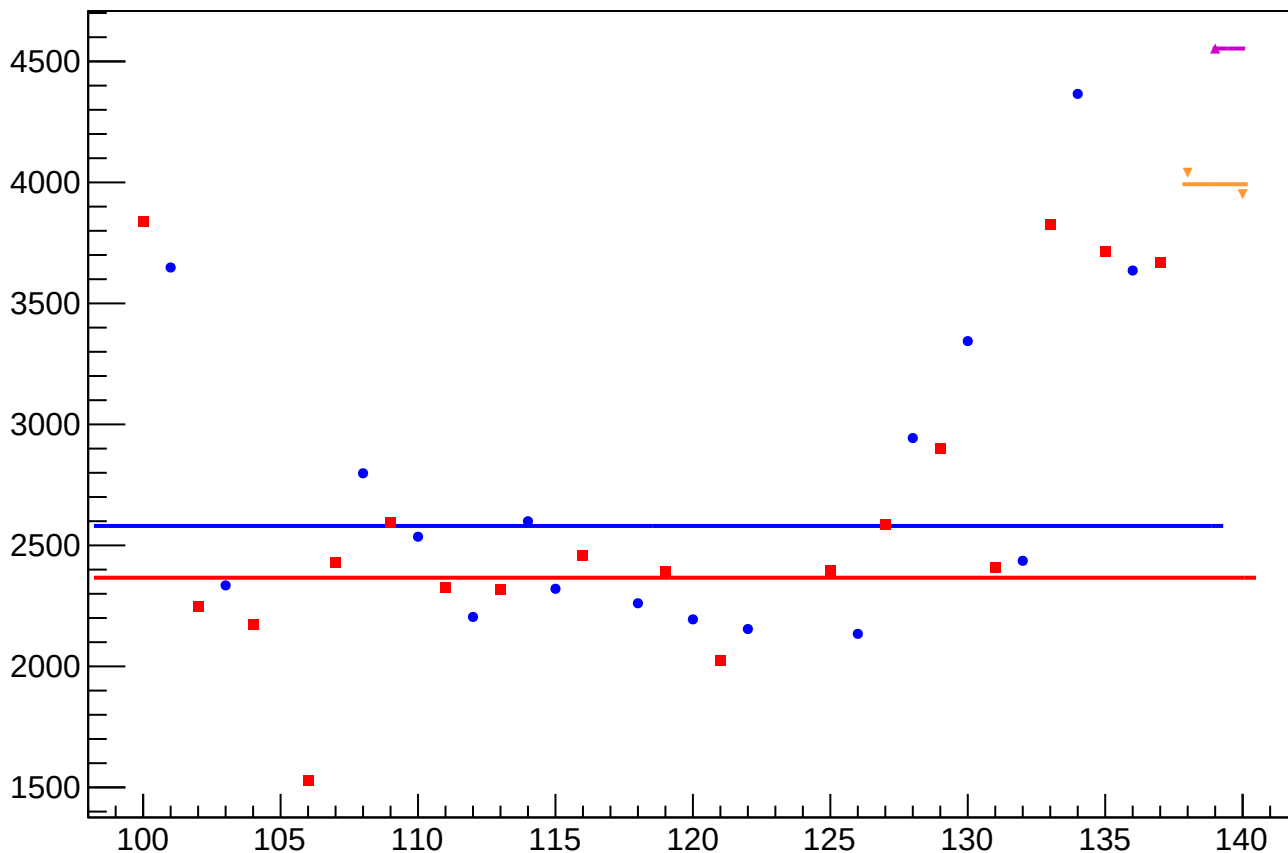
Left In: -792.979 $\pm$ 4966.180 χ^2 /NDF:0.0/0

+ sign 224.331 $\pm$ 940.202 χ^2 /NDF: 16.1/17

All: 193.686 $\pm$ 642.472 χ^2 /NDF: 33.3/36

- sign 166.842 $\pm$ 879.970 χ^2 /NDF: 17.2/18

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368 $\pm$ 0.696 χ^2/NDF : 617163.3/15

Left Out: 3992.465 $\pm$ 2.233 χ^2/NDF : 393.6/1

Right Out: 2366.405 $\pm$ 0.632 χ^2/NDF : 611698.8/17

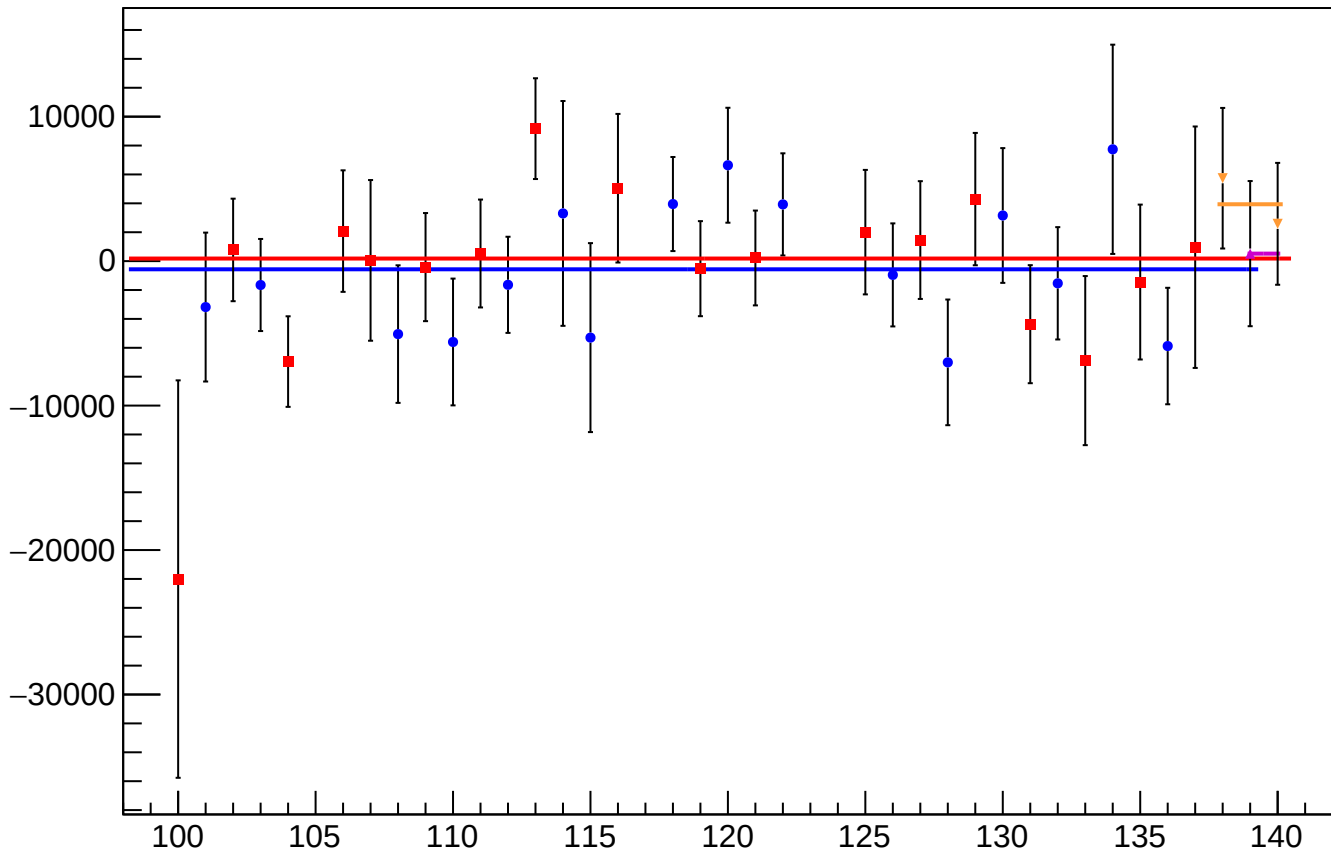
Left In: 4553.289 $\pm$ 3.512 χ^2/NDF : 0.0/0

+ sign 2705.593 $\pm$ 0.665 χ^2/NDF : 982154.8/17

All: 2561.388 $\pm$ 0.454 χ^2/NDF : 2057765.4/30

- sign 2435.067 $\pm$ 0.622 χ^2/NDF : 987347.9/18

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF : 16.2/15

Left Out: 3936.153+/-3187.336 χ^2/NDF : 0.2/1

Right Out: 178.586+/-988.392 χ^2/NDF : 19.5/17

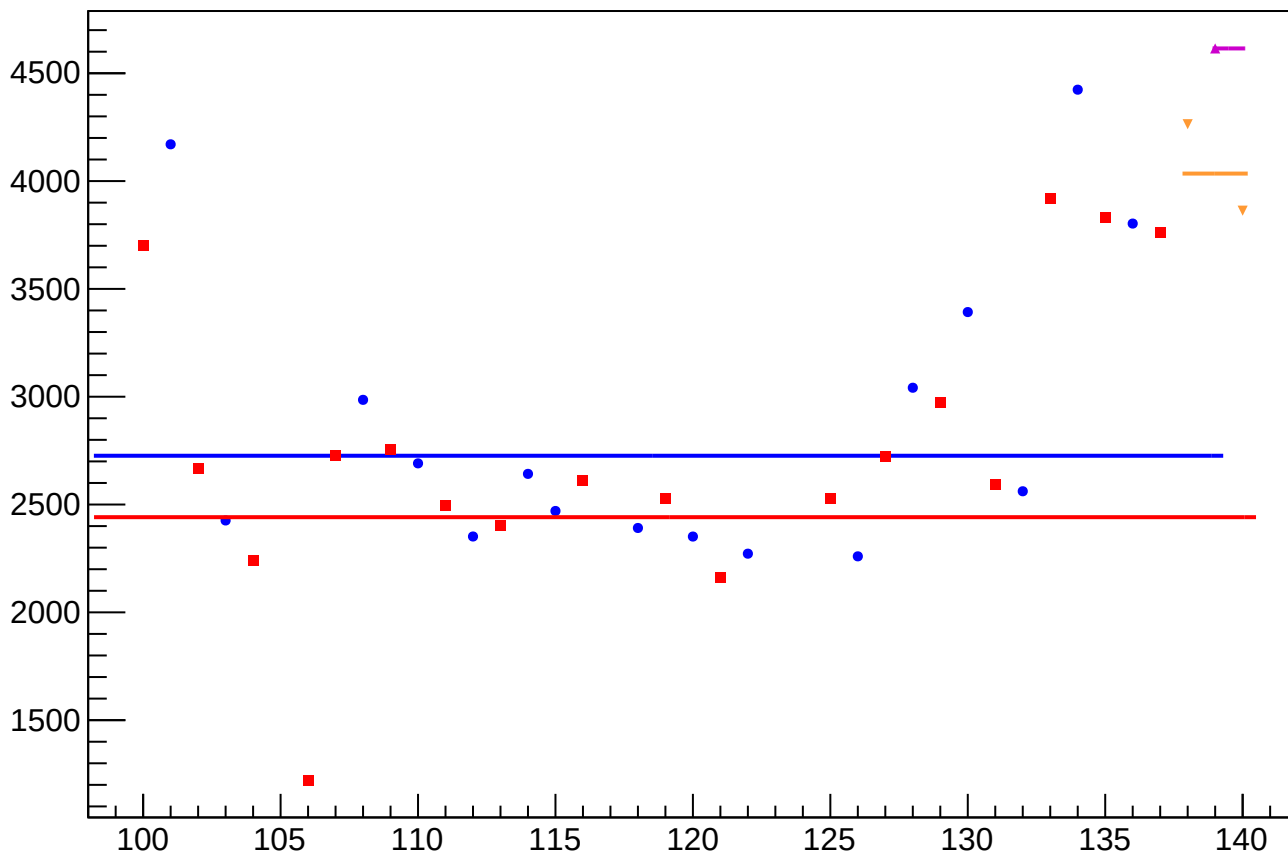
Left In: 518.731+/-5024.199 χ^2/NDF : 0.0/0

+ sign -132.646+/-988.969 χ^2/NDF : 18.3/17

All: 32.476+/-692.431 χ^2/NDF : 37.8/36

- sign 191.260+/-969.804 χ^2/NDF : 19.5/18

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF : 623079.8/15

Left Out: 4034.776+/-2.254 χ^2/NDF : 7752.5/1

Right Out: 2441.363+/-0.667 χ^2/NDF : 891132.7/17

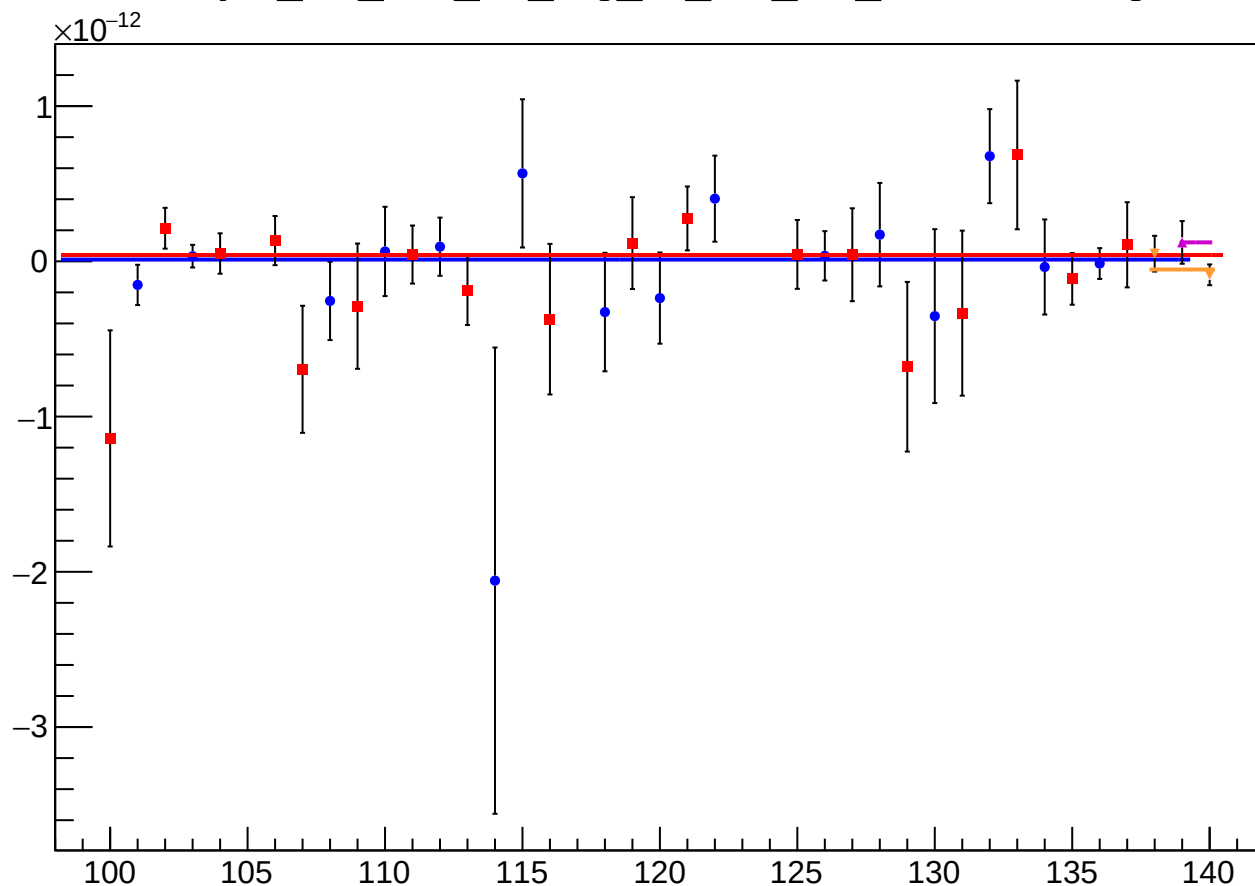
Left In: 4615.128+/-3.553 χ^2/NDF : 0.0/0

+ sign 2852.210+/-0.699 χ^2/NDF : 935473.2/17

All: 2672.905+/-0.478 χ^2/NDF : 2311754.4/30

- sign 2515.365+/-0.655 χ^2/NDF : 1252775.0/18

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

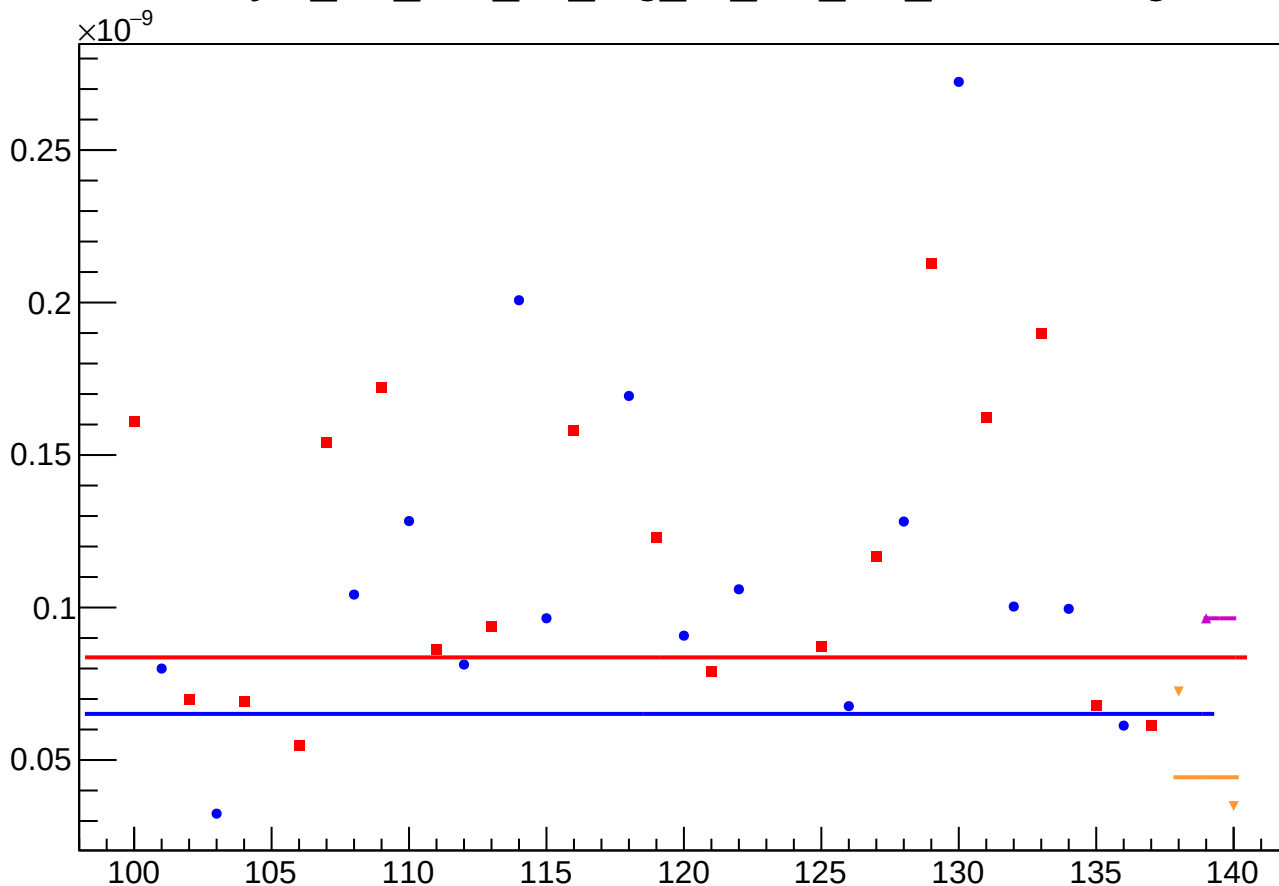
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.6/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/18

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 158990.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 691494.7/17

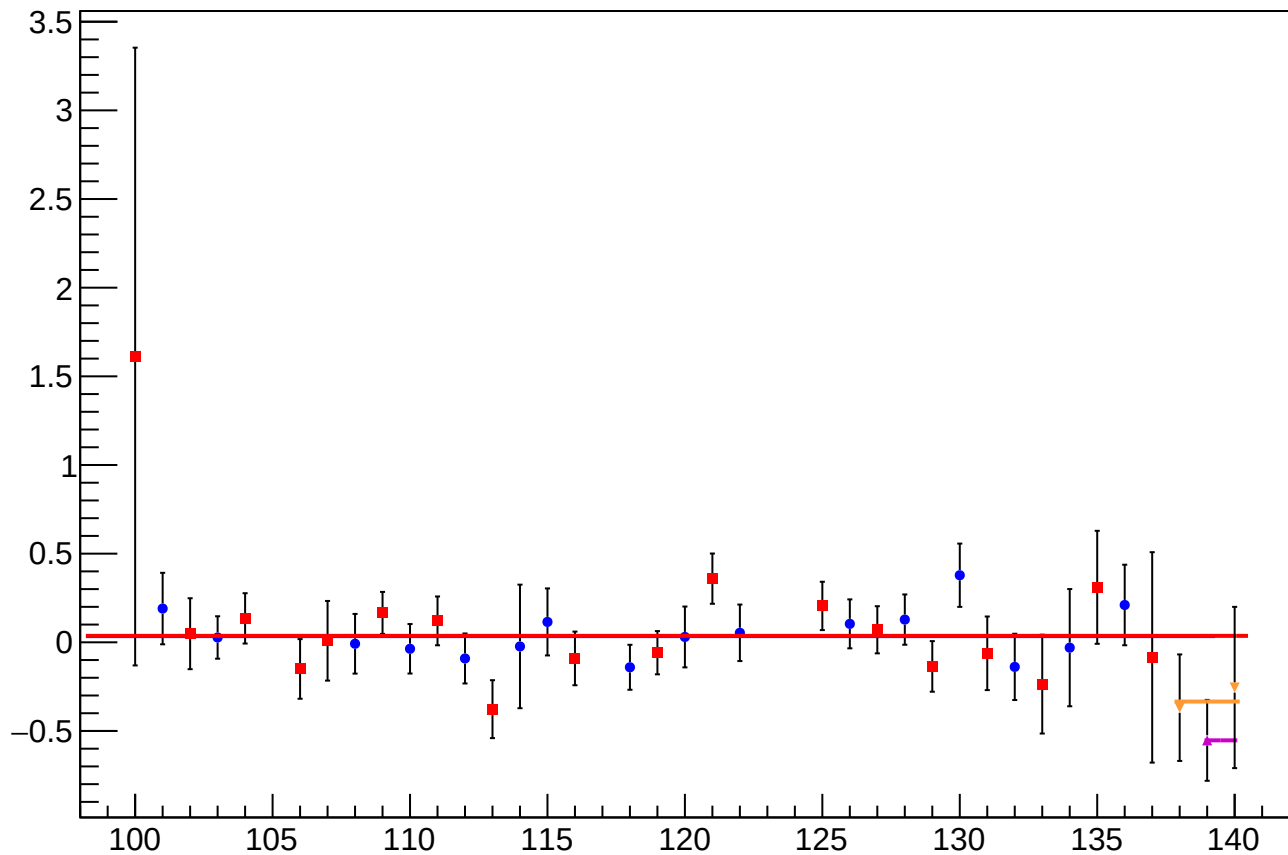
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1544923.2/17

All: 0.000+/-0.000 χ^2/NDF : 2670262.1/36

- sign 0.000+/-0.000 χ^2/NDF : 706589.3/18

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: -0.334 $\pm$ 0.251 χ^2 /NDF: 0.0/1

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

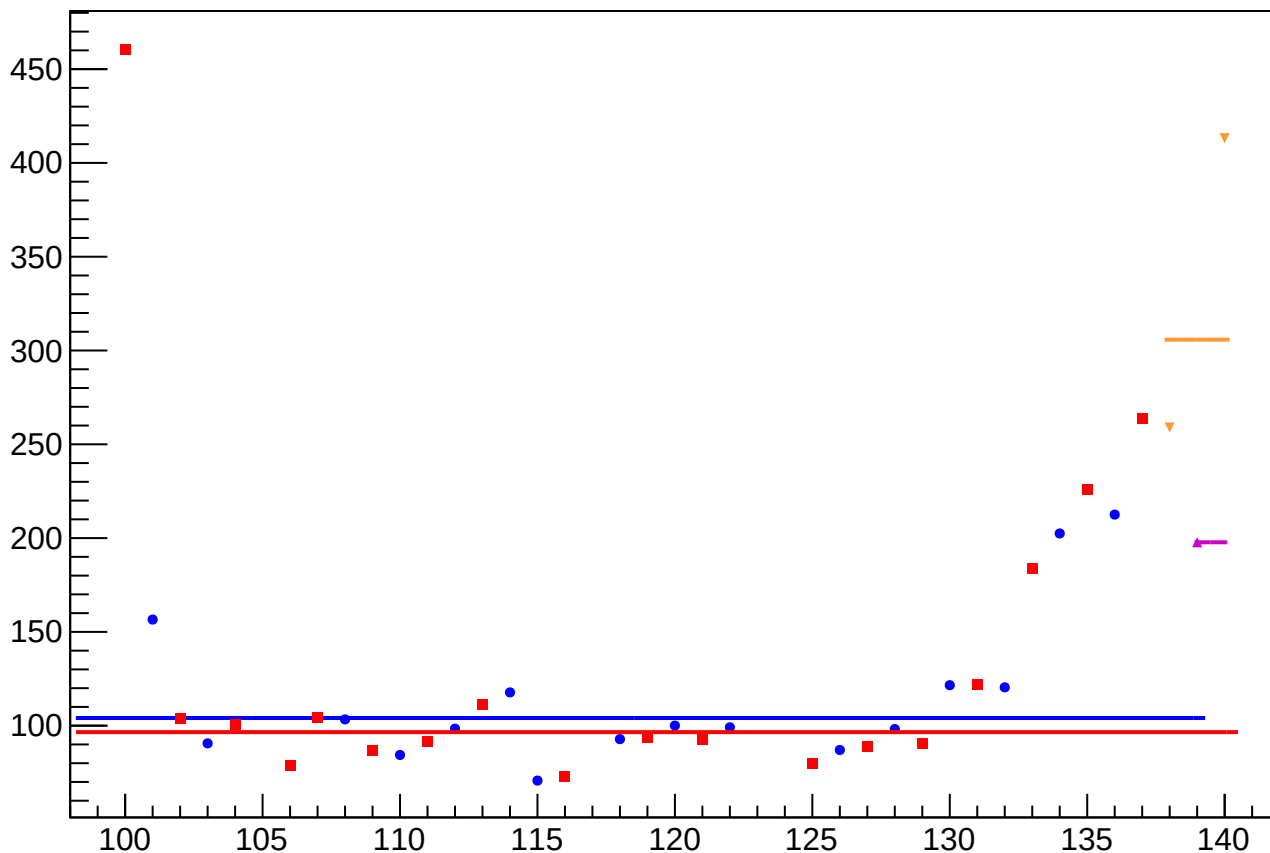
Left In: -0.553 $\pm$ 0.228 χ^2 /NDF: 0.0/0

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 40.5/36

- sign 0.020 $\pm$ 0.038 χ^2 /NDF: 28.5/18

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: 305.790+/-0.177 χ^2/NDF : 160166.1/1

Right Out: 96.569+/-0.028 χ^2/NDF : 955547.2/17

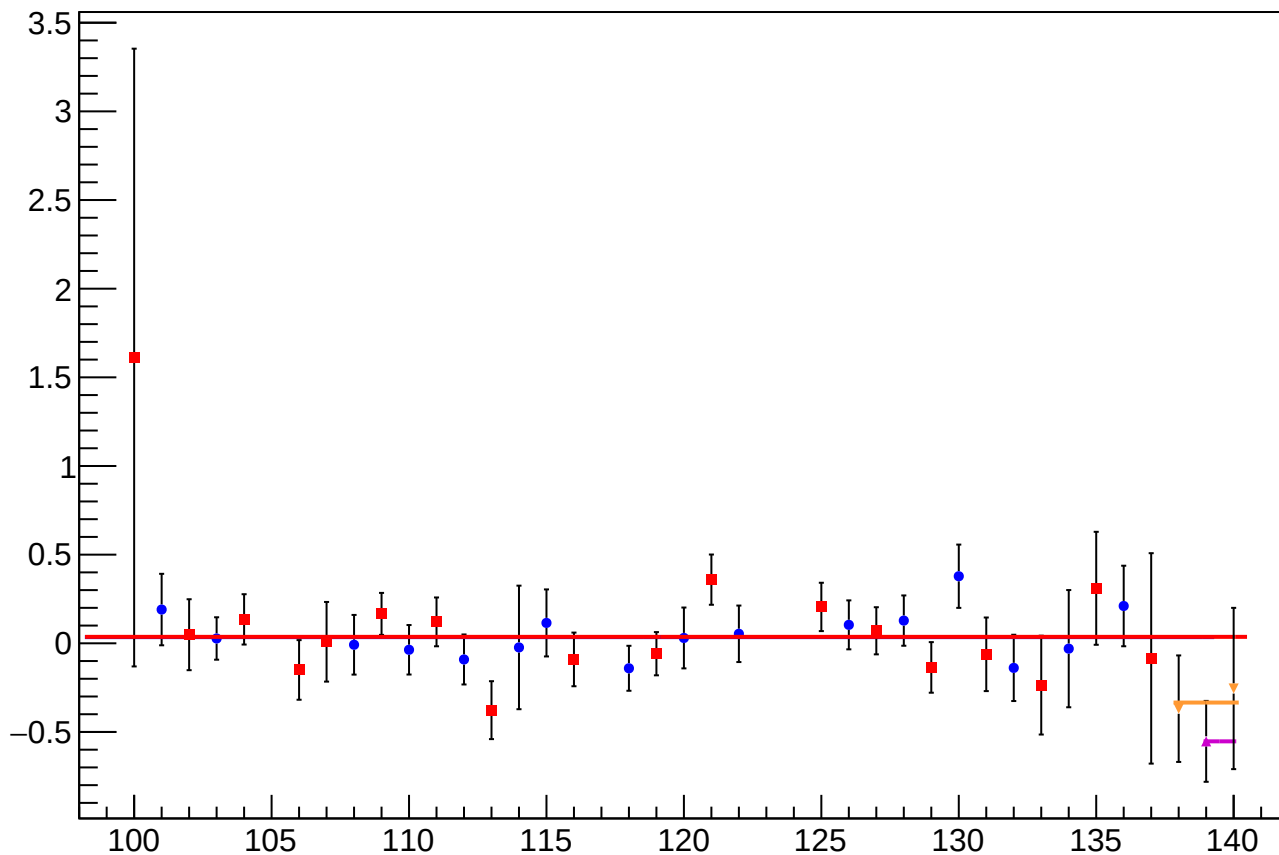
Left In: 197.777+/-0.161 χ^2/NDF : 0.0/0

+ sign 109.364+/-0.029 χ^2/NDF : 2411485.1/17

All: 104.126+/-0.020 χ^2/NDF : 3813066.9/36

- sign 99.429+/-0.027 χ^2/NDF : 1338110.4/18

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: -0.334 $\pm$ 0.251 χ^2 /NDF: 0.0/1

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

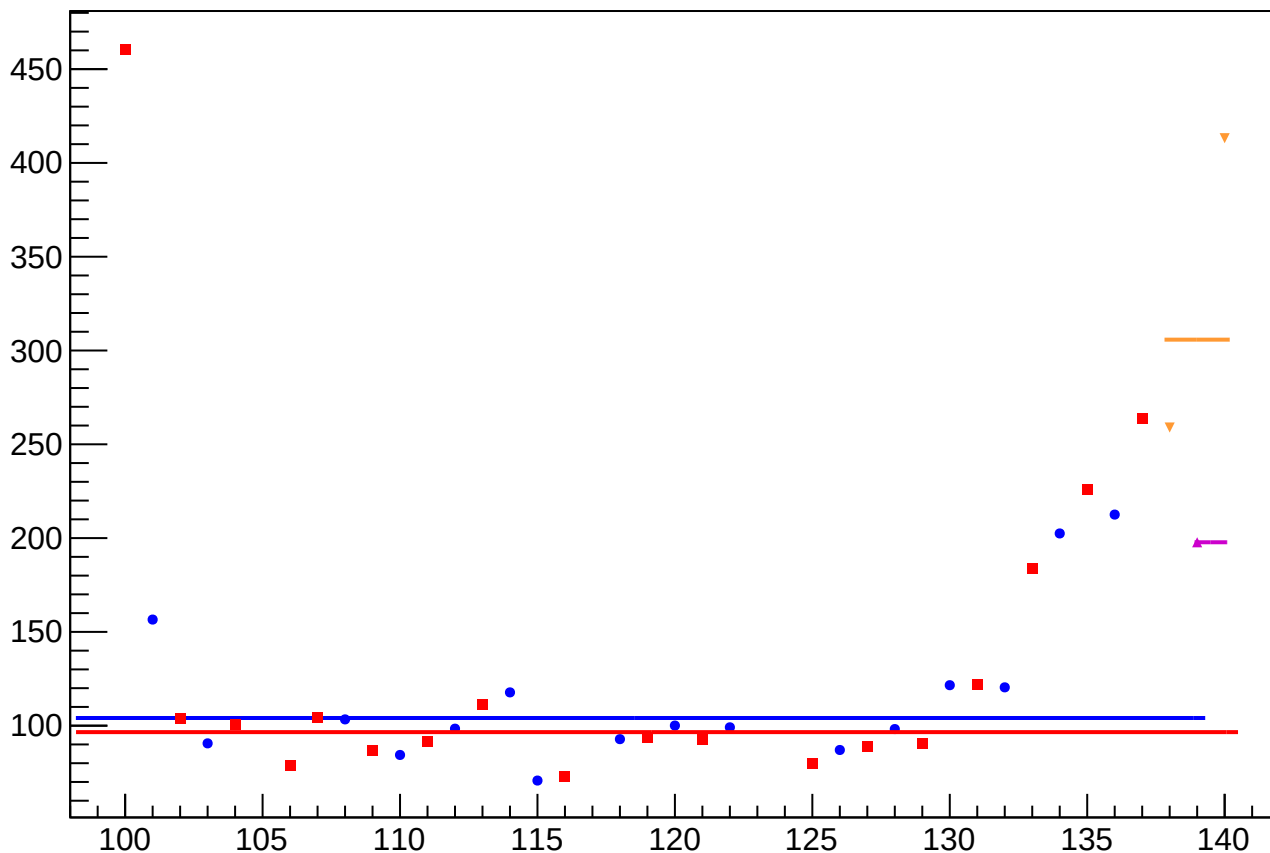
Left In: -0.553 $\pm$ 0.228 χ^2 /NDF: 0.0/0

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 40.5/36

- sign 0.020 $\pm$ 0.038 χ^2 /NDF: 28.5/18

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.099 $\pm$ 0.029 χ^2 /NDF: 989856.1/15

Left Out: 305.790 $\pm$ 0.177 χ^2 /NDF: 160166.1/1

Right Out: 96.569 $\pm$ 0.028 χ^2 /NDF: 955547.2/17

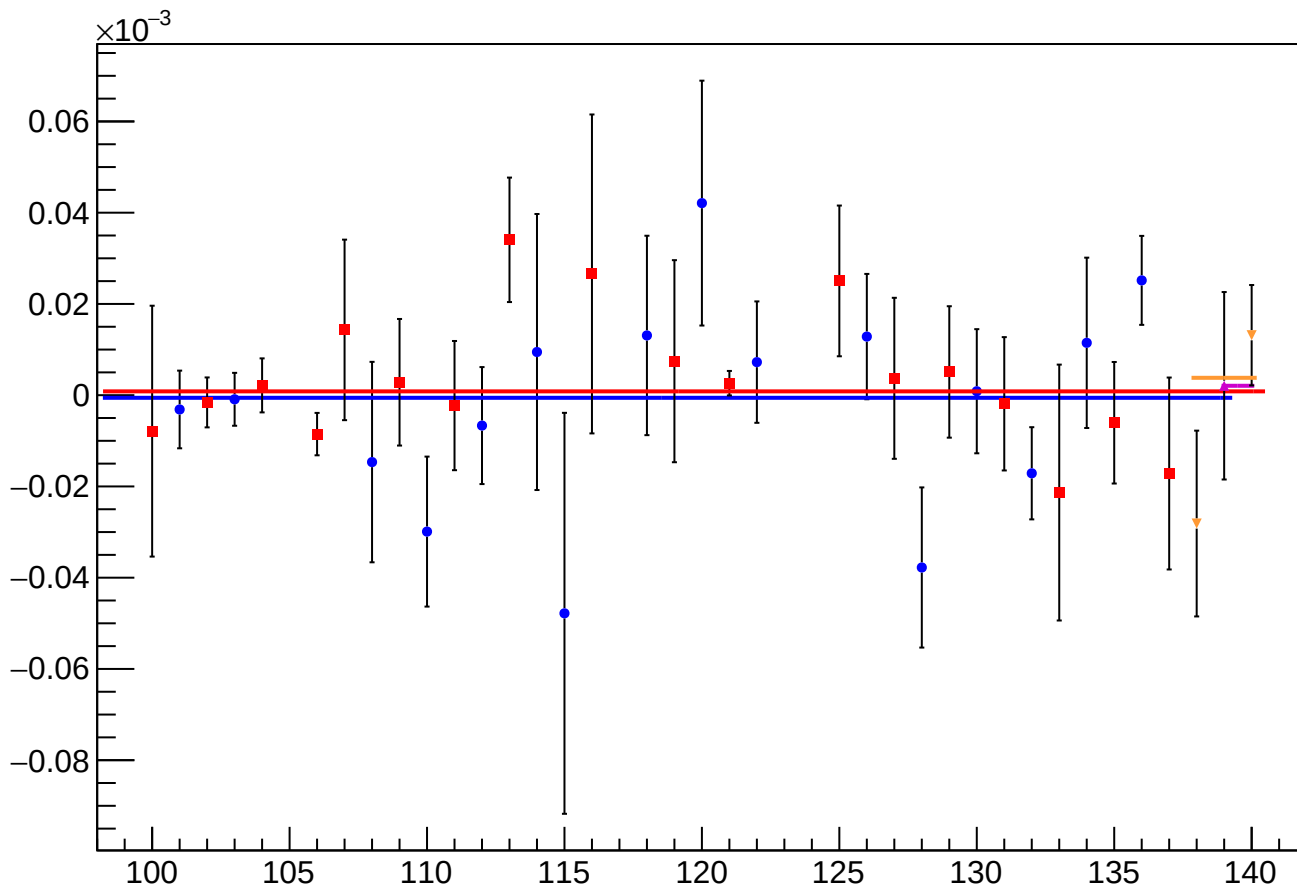
Left In: 197.777 $\pm$ 0.161 χ^2 /NDF: 0.0/0

+ sign 109.364 $\pm$ 0.029 χ^2 /NDF: 2411485.1/17

All: 104.126 $\pm$ 0.020 χ^2 /NDF: 3813066.9/36

- sign 99.429 $\pm$ 0.027 χ^2 /NDF: 1338110.4/18

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.0/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 3.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.9/17

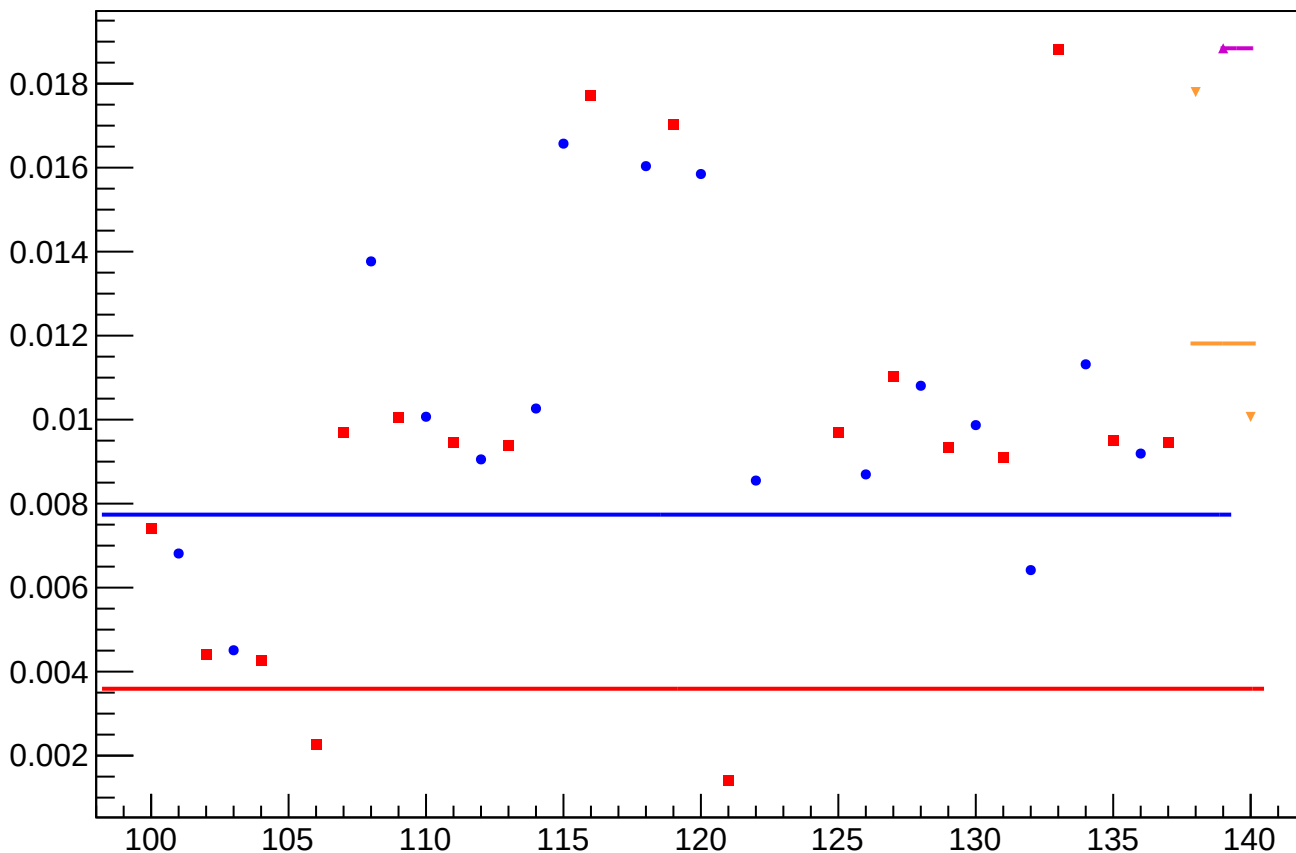
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 27.3/17

All: 0.000 ± 0.000 χ^2/NDF : 43.3/36

- sign 0.000 ± 0.000 χ^2/NDF : 15.9/18

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1701473.5/15

Left Out: 0.012+/-0.000 χ^2/NDF : 223328.3/1

Right Out: 0.004+/-0.000 χ^2/NDF : 6364883.4/17

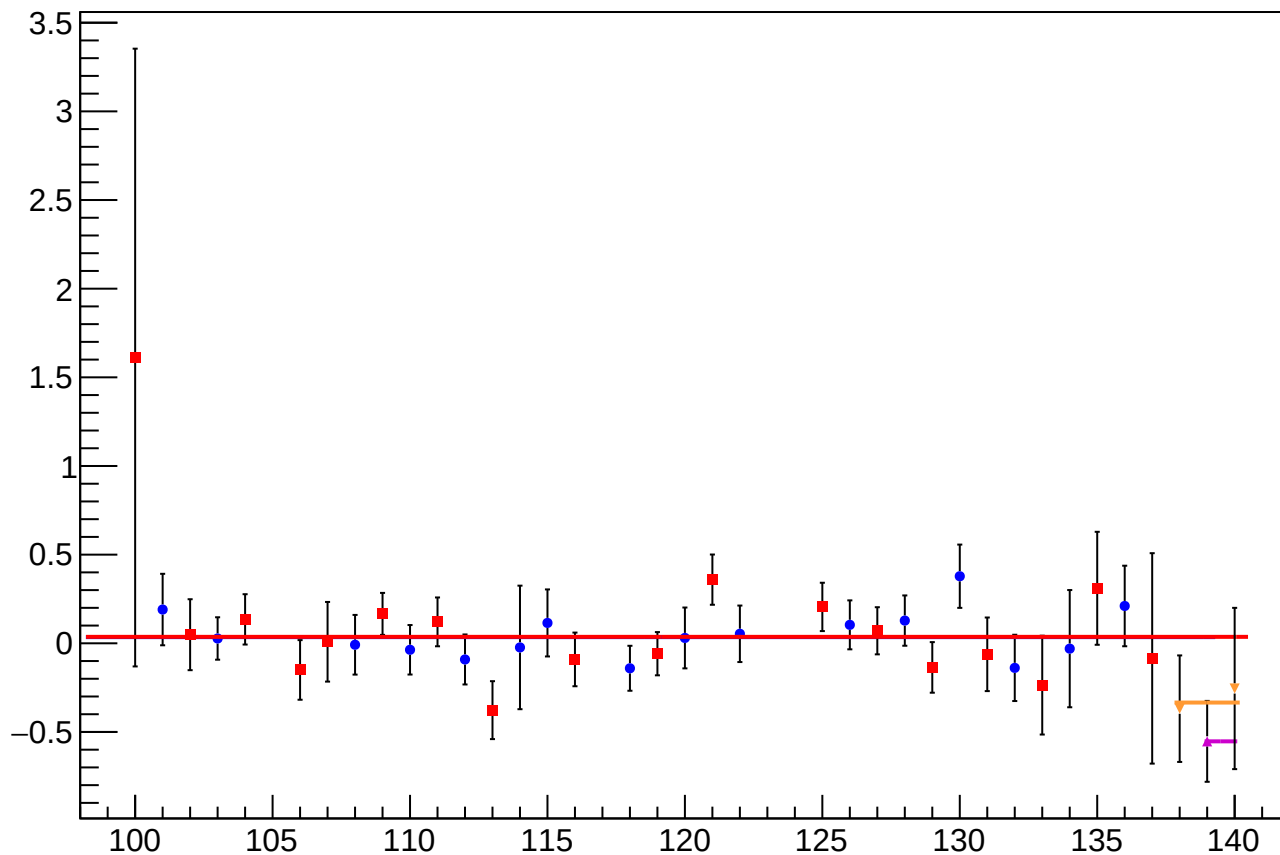
Left In: 0.019+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 2245938.5/17

All: 0.005+/-0.000 χ^2/NDF : 12901264.4/36

- sign 0.004+/-0.000 χ^2/NDF : 7458056.8/18

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: -0.334 $\pm$ 0.251 χ^2 /NDF: 0.0/1

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

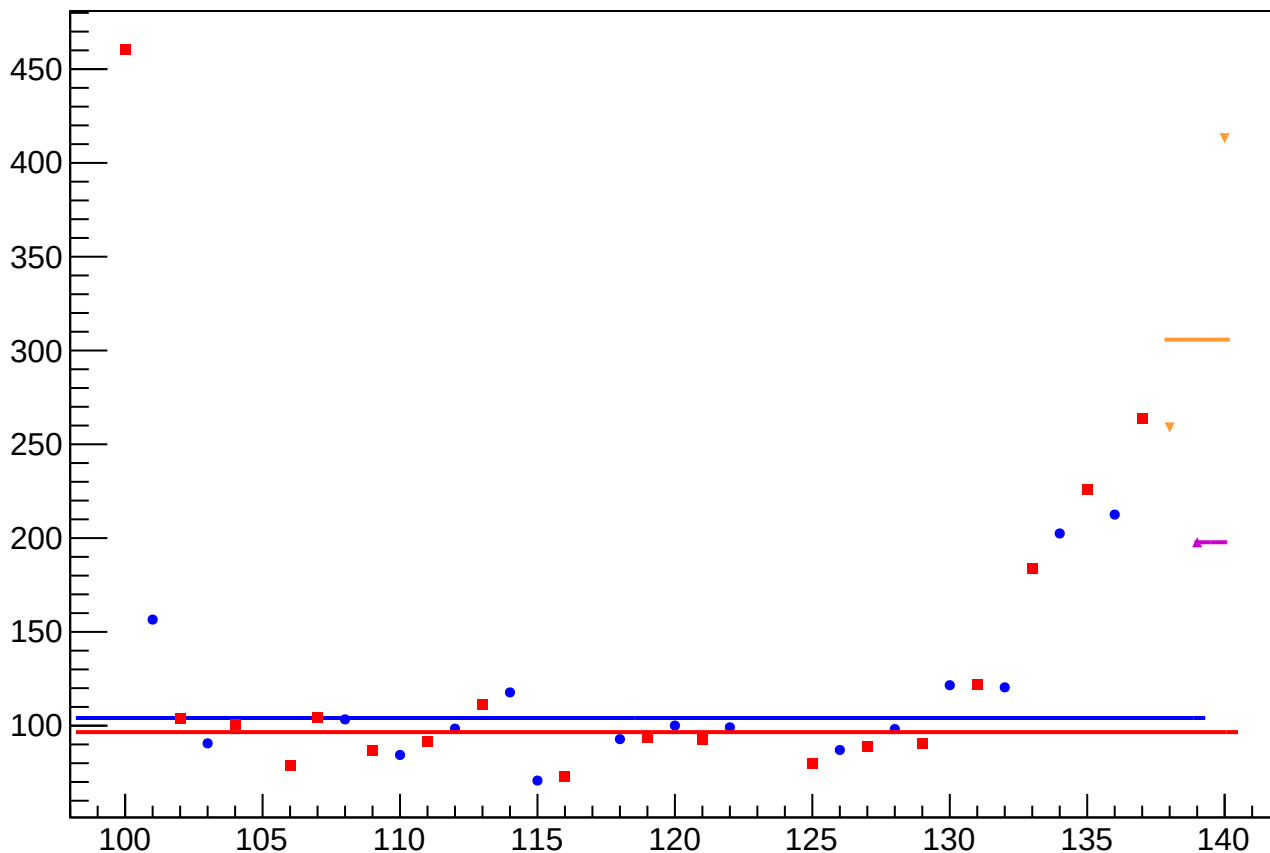
Left In: -0.553 $\pm$ 0.228 χ^2 /NDF: 0.0/0

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 40.5/36

- sign 0.020 $\pm$ 0.038 χ^2 /NDF: 28.5/18

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100 $\pm$ 0.029 χ^2 /NDF: 989809.0/15

Left Out: 305.793 $\pm$ 0.177 χ^2 /NDF:160169.7/1

Right Out: 96.570 $\pm$ 0.028 χ^2 /NDF: 955477.2/17

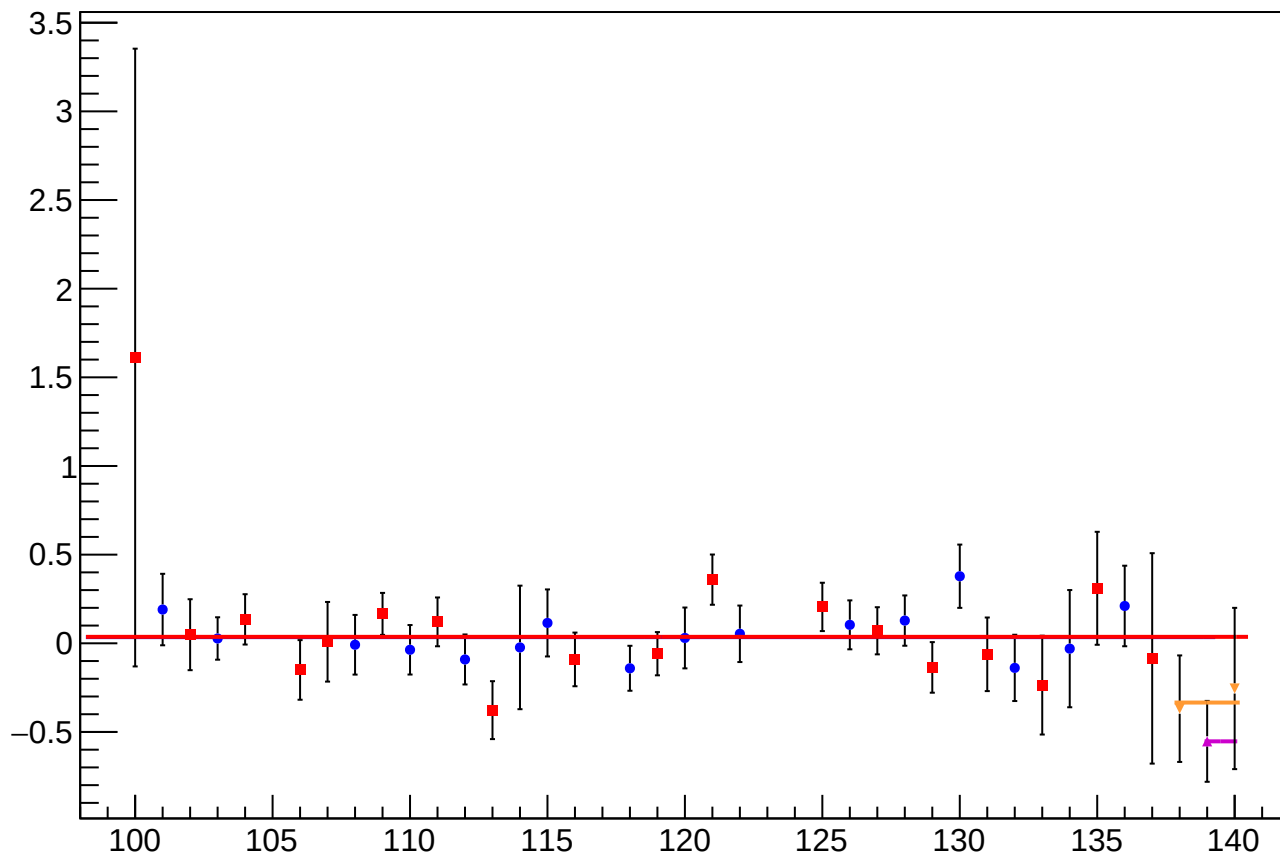
Left In: 197.782 $\pm$ 0.161 χ^2 /NDF:0.0/0

+ sign 109.365 $\pm$ 0.029 χ^2 /NDF: 2411443.1/17

All: 104.127 $\pm$ 0.020 χ^2 /NDF: 3812959.4/36

- sign 99.430 $\pm$ 0.027 χ^2 /NDF: 1338051.4/18

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF : 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF : 0.0/1

Right Out: 0.036+/-0.039 χ^2/NDF : 22.0/17

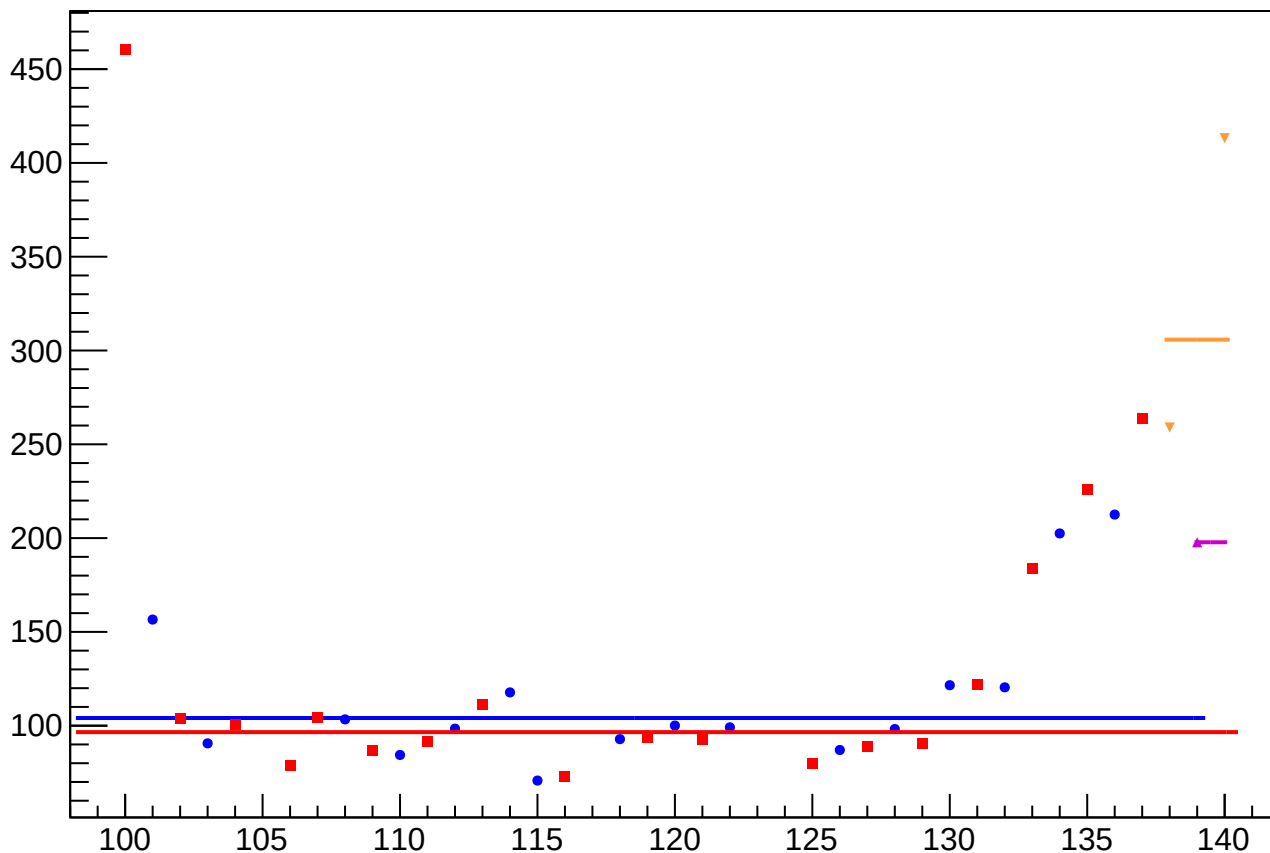
Left In: -0.553+/-0.228 χ^2/NDF : 0.0/0

+ sign 0.025+/-0.040 χ^2/NDF : 11.9/17

All: 0.022+/-0.028 χ^2/NDF : 40.5/36

- sign 0.020+/-0.038 χ^2/NDF : 28.5/18

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.100 $\pm$ 0.029 χ^2 /NDF: 989809.0/15

Left Out: 305.793 $\pm$ 0.177 χ^2 /NDF: 160169.7/1

Right Out: 96.570 $\pm$ 0.028 χ^2 /NDF: 955477.2/17

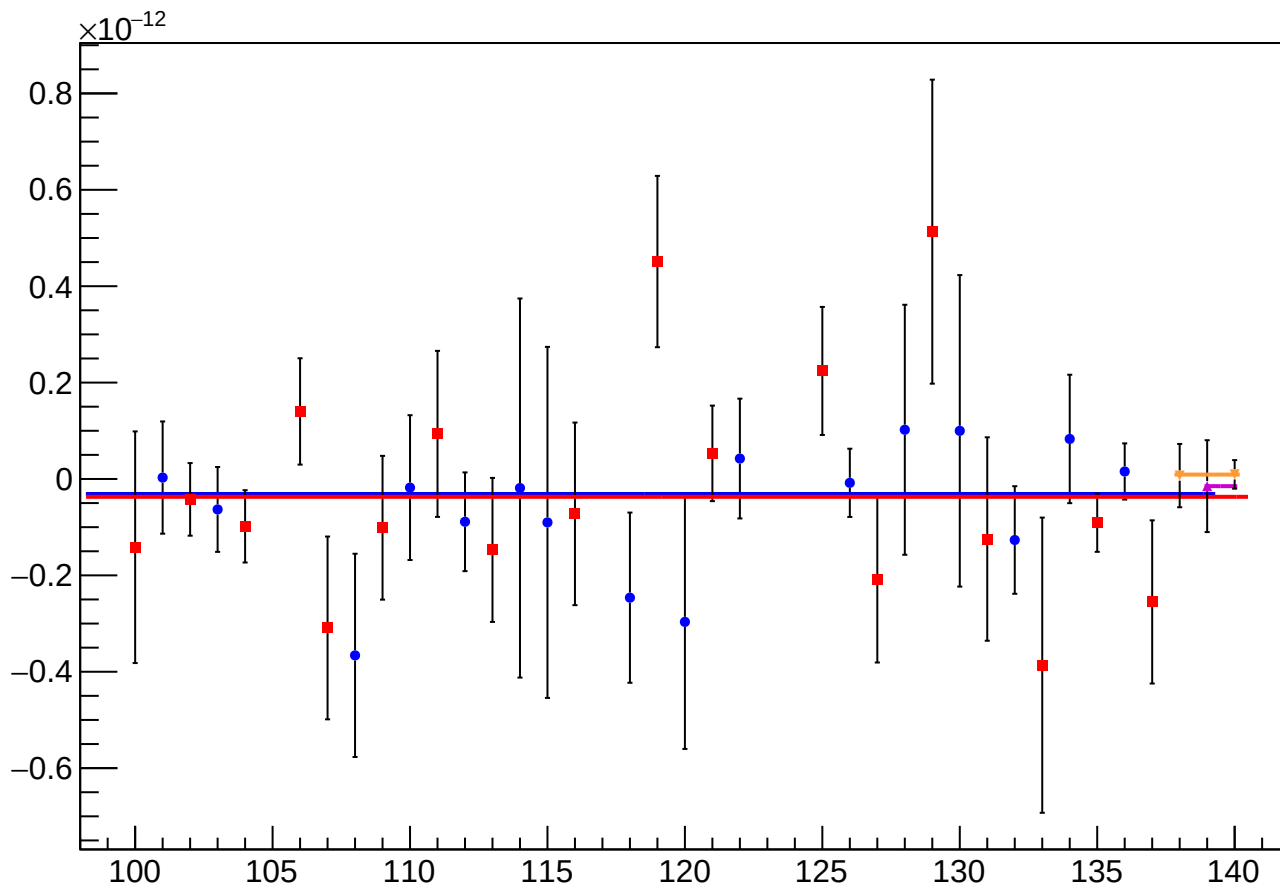
Left In: 197.782 $\pm$ 0.161 χ^2 /NDF: 0.0/0

+ sign 109.365 $\pm$ 0.029 χ^2 /NDF: 2411443.1/17

All: 104.127 $\pm$ 0.020 χ^2 /NDF: 3812959.4/36

- sign 99.430 $\pm$ 0.027 χ^2 /NDF: 1338051.4/18

asym_usl_atl2_dd_eigen_cor_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 : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.0/17

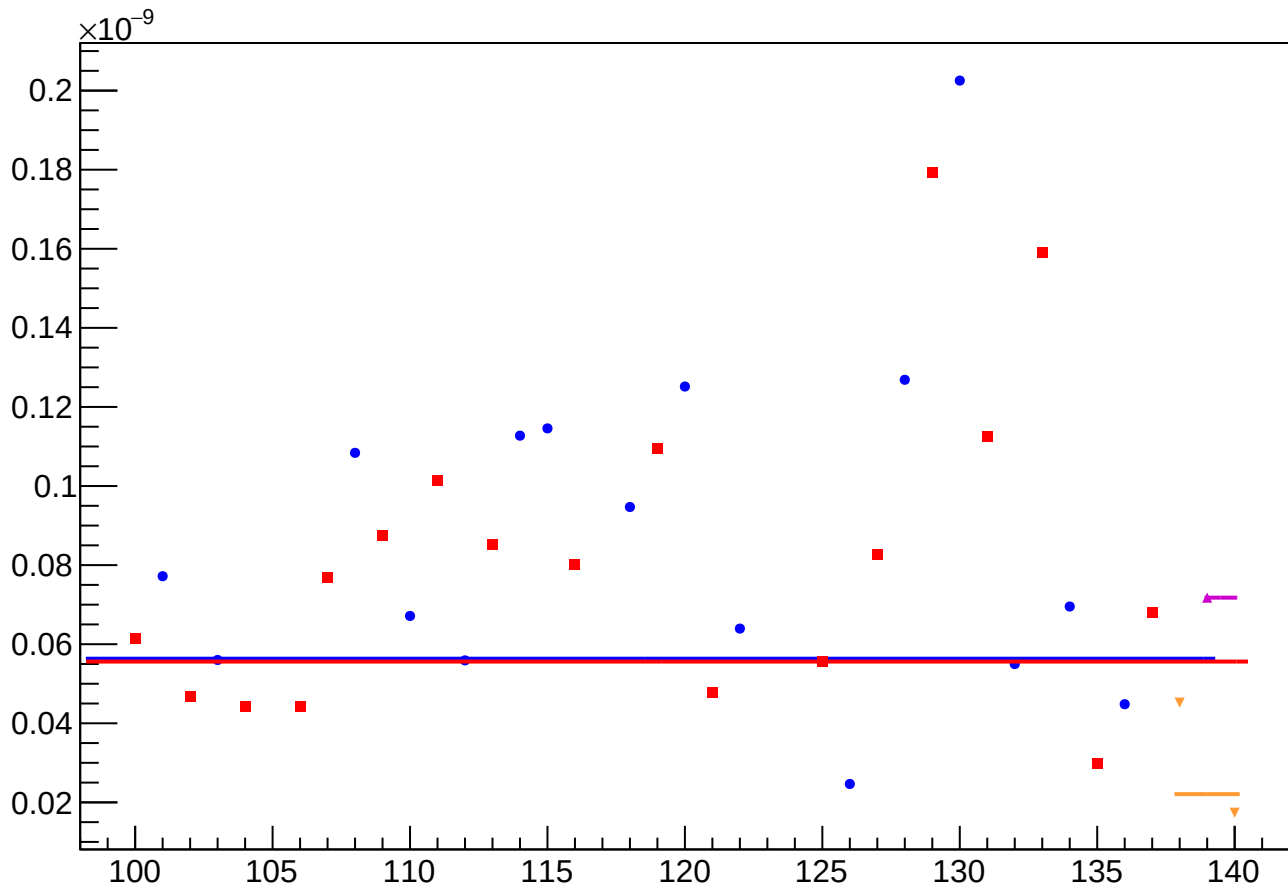
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 9.6/17

All: -0.000 ± 0.000 χ^2/NDF : 37.3/36

- sign -0.000 ± 0.000 χ^2/NDF : 27.1/18

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 298558.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1767462.9/17

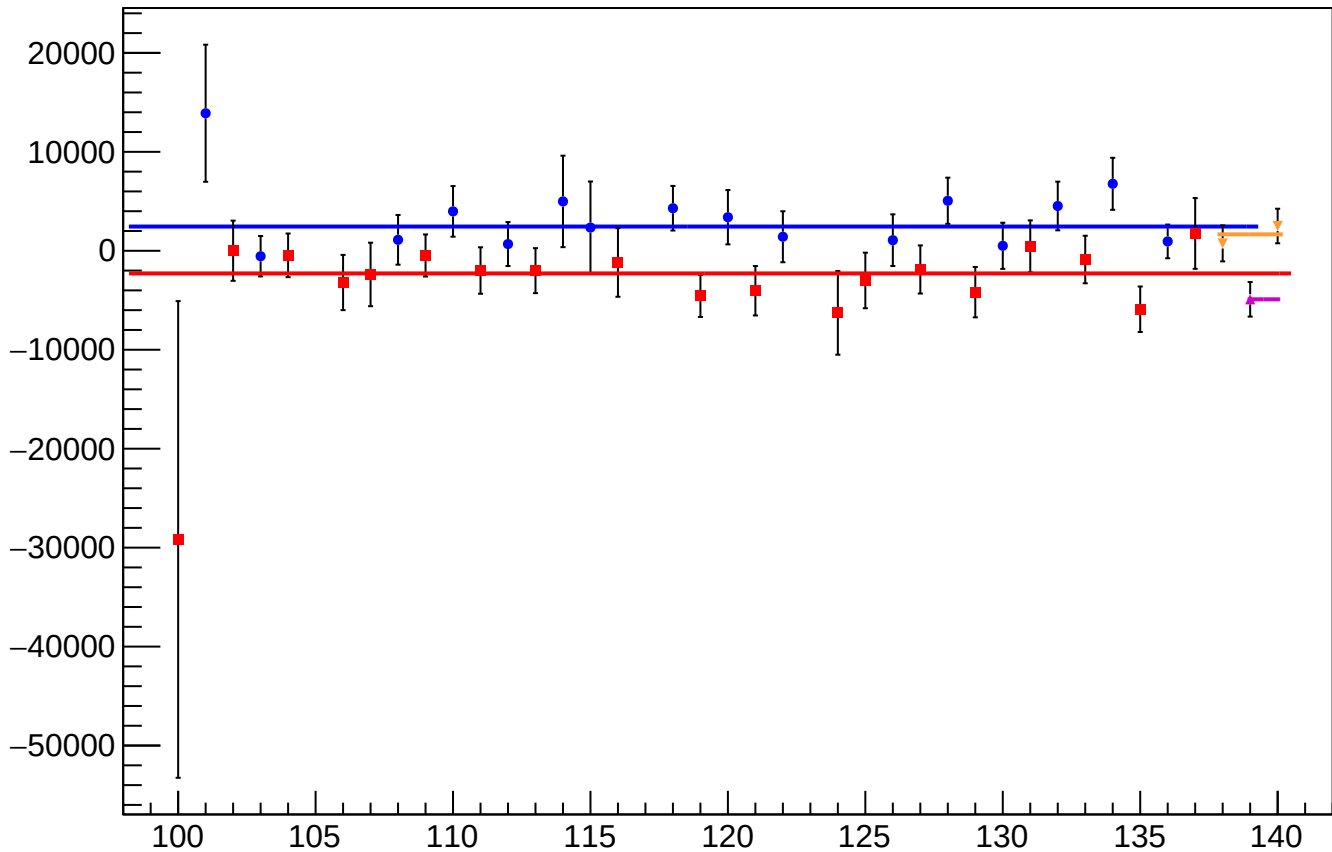
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3345754.0/17

All: 0.000+/-0.000 χ^2/NDF : 5810852.9/36

- sign 0.000+/-0.000 χ^2/NDF : 1820167.7/18

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 1661.399 $\pm$ 1259.888 χ^2 /NDF: 0.5/1

Right Out: -2286.573 $\pm$ 609.157 χ^2 /NDF: 11.8/18

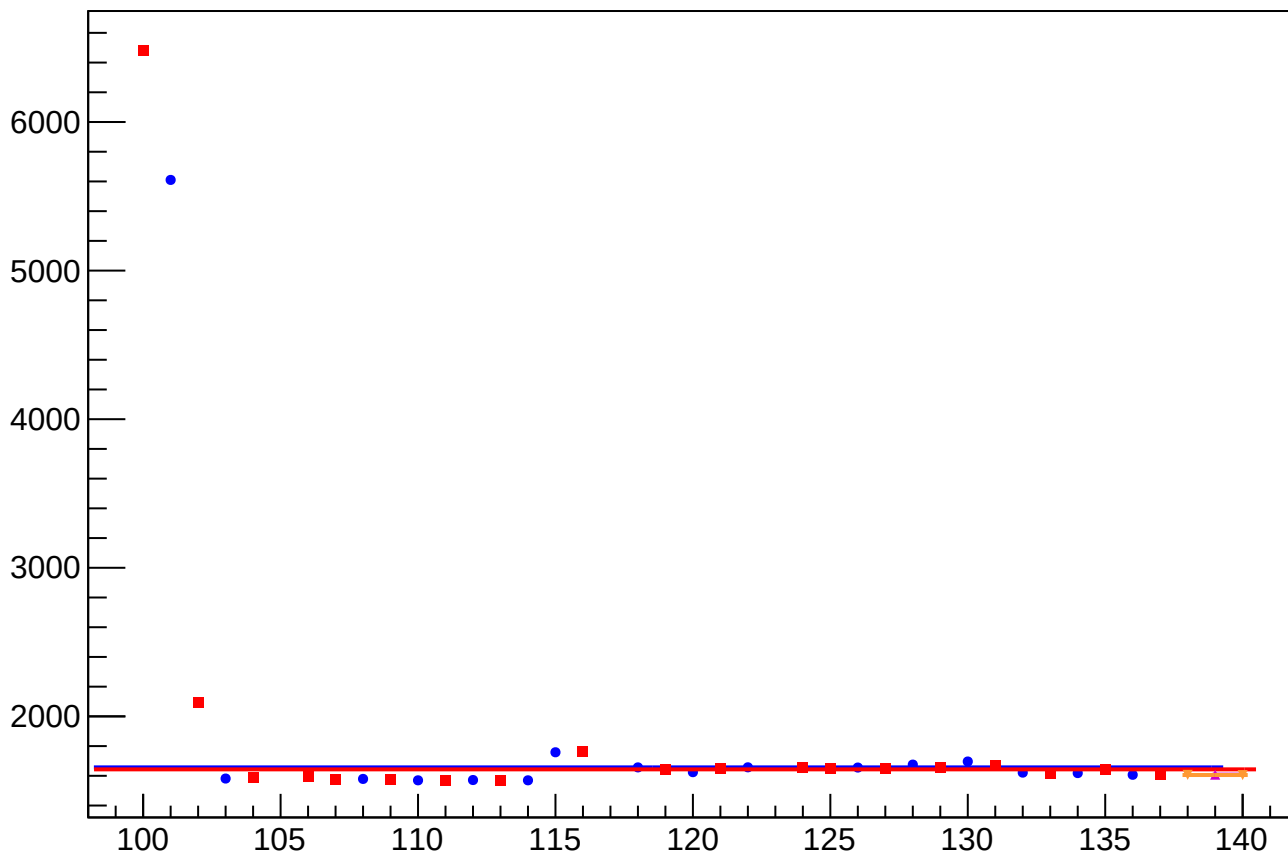
Left In: -4902.833 $\pm$ 1747.622 χ^2 /NDF: 0.0/0

+ sign 2292.129 $\pm$ 563.647 χ^2 /NDF: 14.6/17

All: -89.556 $\pm$ 402.586 χ^2 /NDF: 64.9/37

- sign -2570.003 $\pm$ 575.215 χ^2 /NDF: 13.8/19

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666226.2/15

Left Out: 1605.401+/-0.891 χ^2/NDF : 0.8/1

Right Out: 1643.430+/-0.431 χ^2/NDF : 136997.9/18

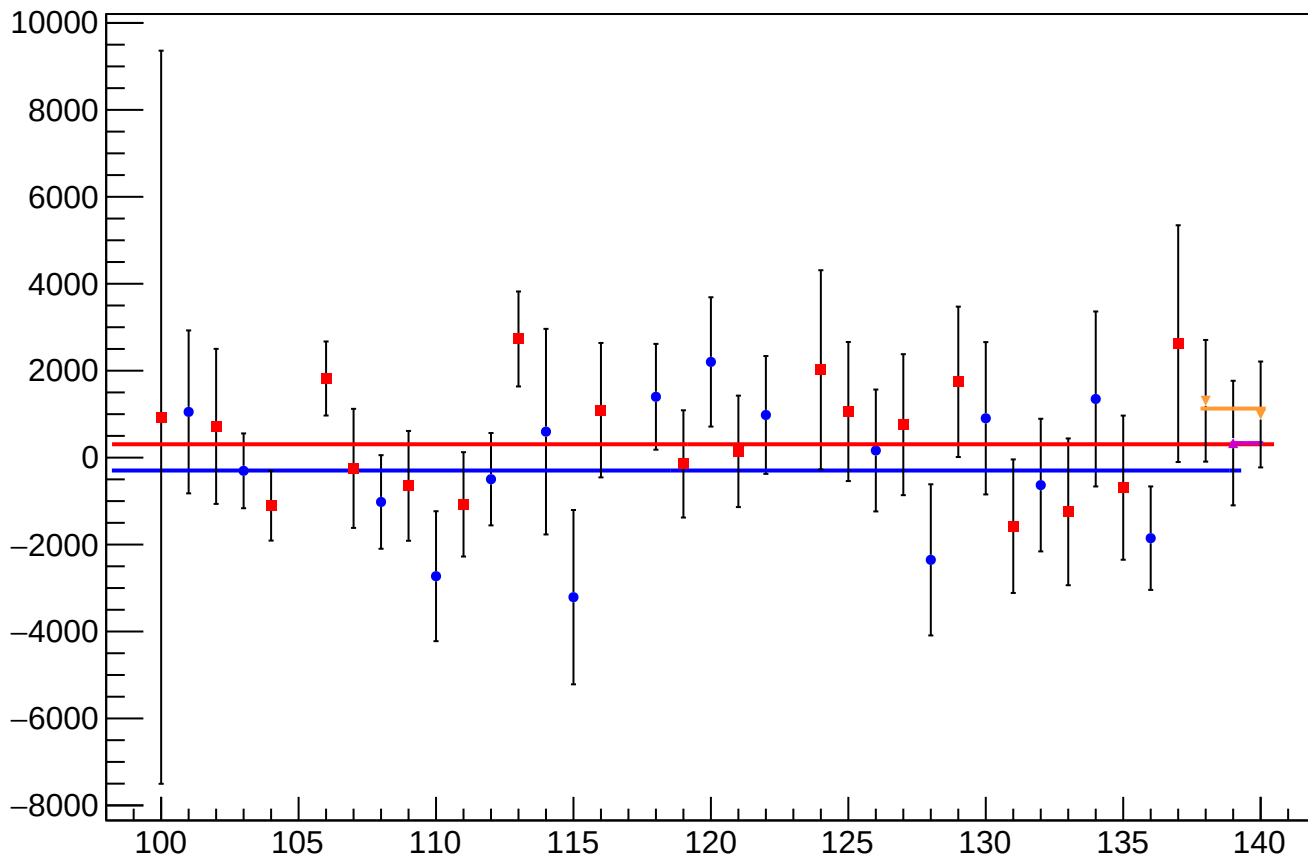
Left In: 1607.916+/-1.236 χ^2/NDF : 0.0/0

+ sign 1646.419+/-0.399 χ^2/NDF : 668877.4/17

All: 1643.070+/-0.285 χ^2/NDF : 806755.8/37

- sign 1639.583+/-0.407 χ^2/NDF : 137734.3/19

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF : 16.0/15

Left Out: 1128.560+/-918.845 χ^2/NDF : 0.0/1

Right Out: 307.671+/-312.976 χ^2/NDF : 18.7/18

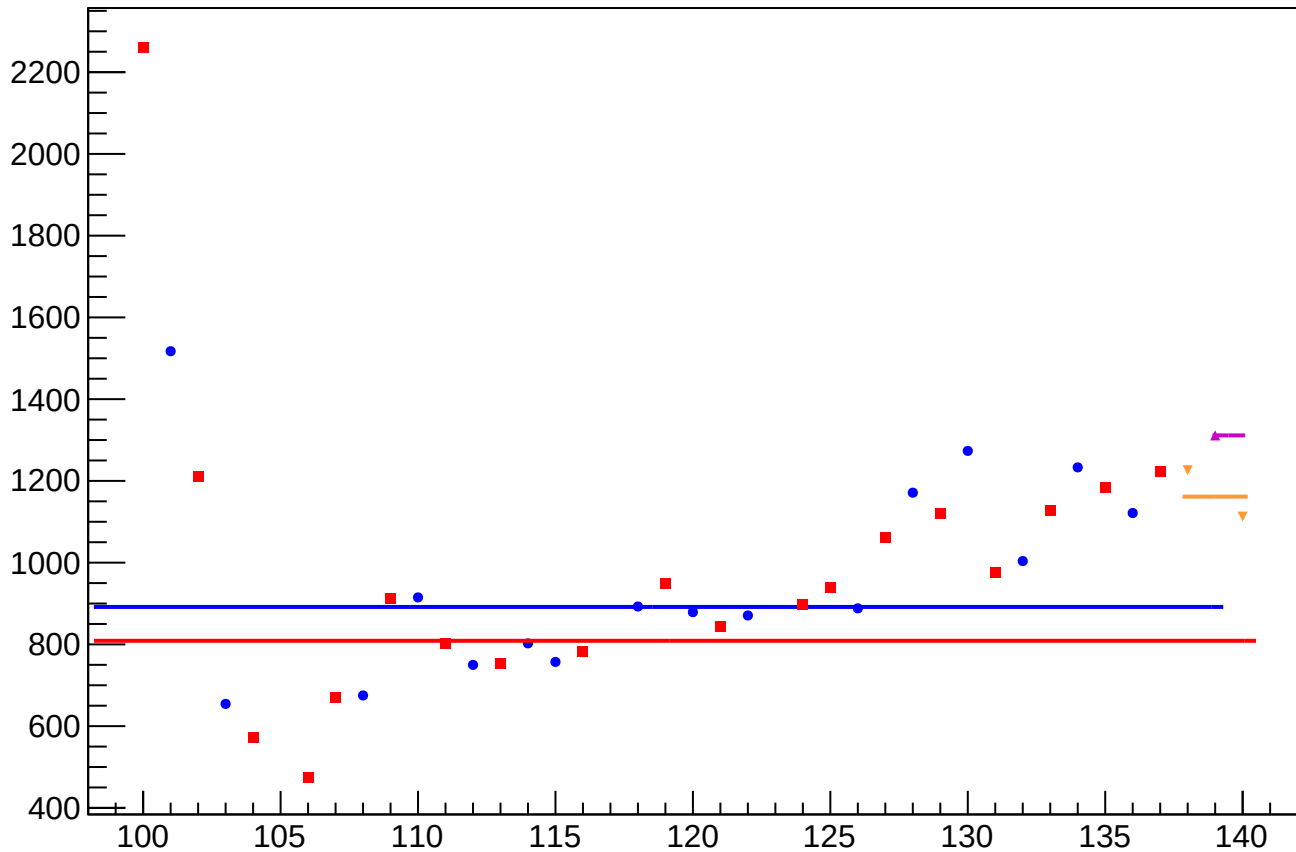
Left In: 334.983+/-1432.888 χ^2/NDF : 0.0/0

+ sign -121.774+/-321.699 χ^2/NDF : 18.1/17

All: 104.499+/-221.629 χ^2/NDF : 37.7/37

- sign 308.915+/-305.768 χ^2/NDF : 18.7/19

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF : 793897.2/15

Left Out: 1161.446+/-0.650 χ^2/NDF : 7472.9/1

Right Out: 808.809+/-0.221 χ^2/NDF : 1083841.8/18

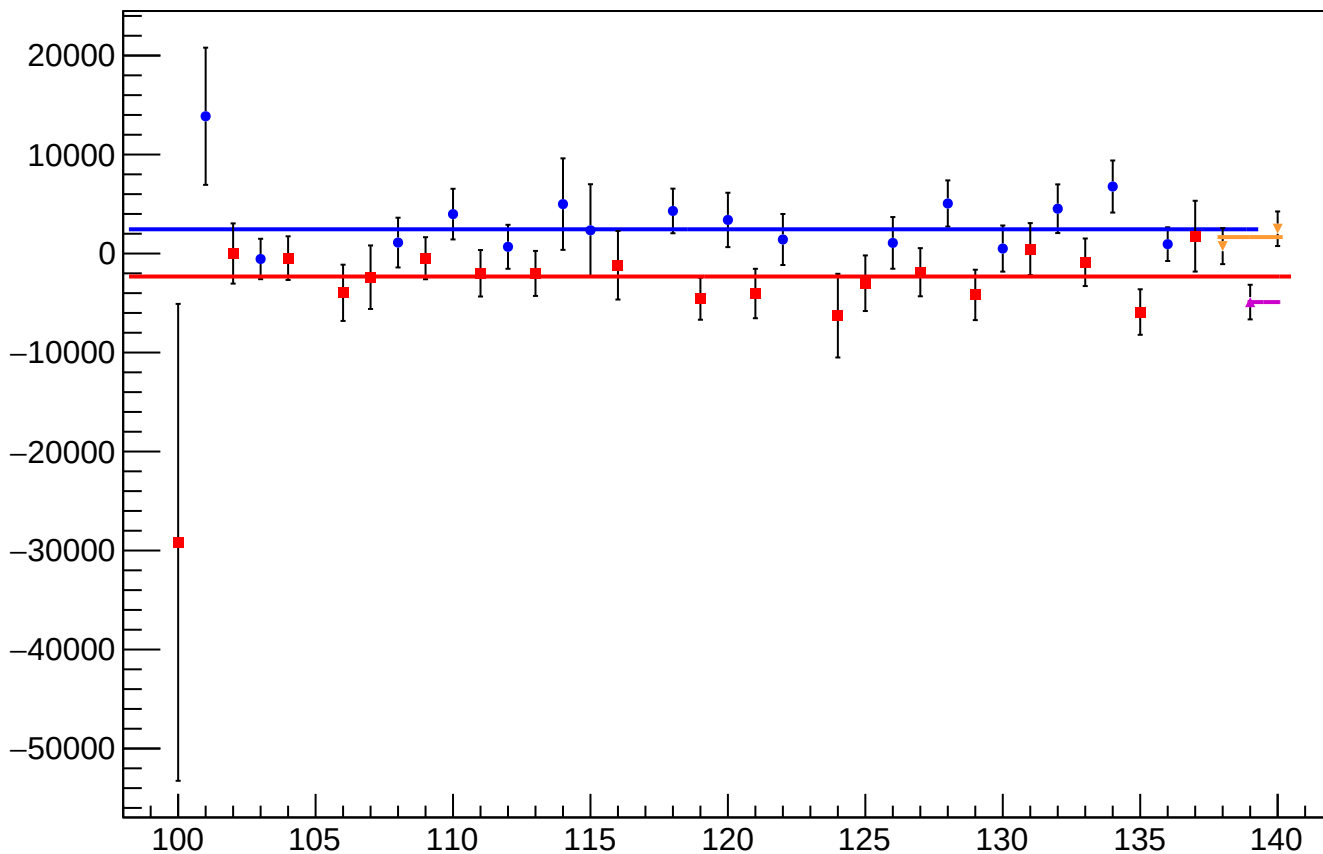
Left In: 1311.344+/-1.013 χ^2/NDF : 0.0/0

+ sign 924.706+/-0.227 χ^2/NDF : 952684.1/17

All: 875.839+/-0.157 χ^2/NDF : 2359164.9/37

- sign 831.693+/-0.216 χ^2/NDF : 1318641.0/19

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 1661.423 $\pm$ 1259.888 χ^2 /NDF: 0.5/1

Right Out: -2320.575 $\pm$ 609.657 χ^2 /NDF: 12.1/18

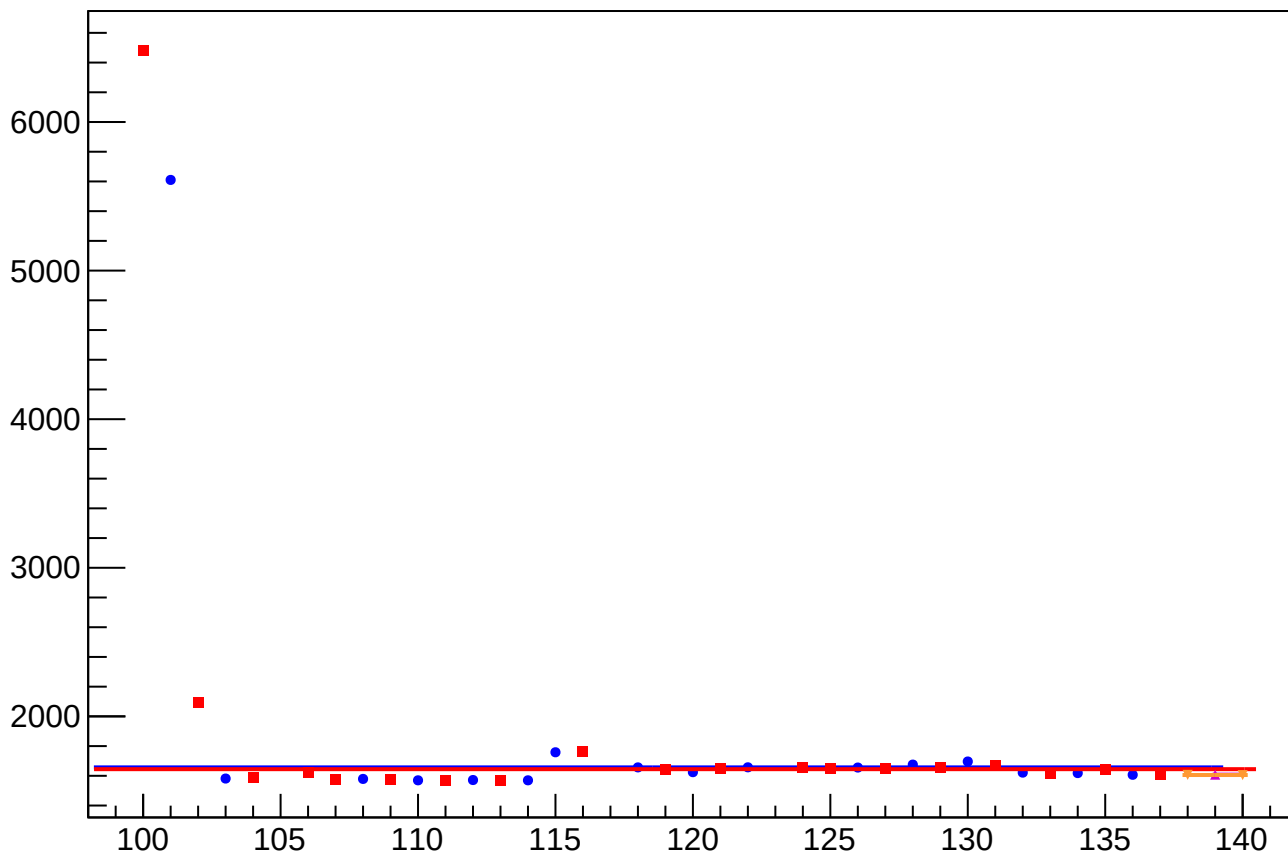
Left In: -4903.173 $\pm$ 1747.622 χ^2 /NDF: 0.0/0

+ sign 2291.686 $\pm$ 563.647 χ^2 /NDF: 14.6/17

All: -103.063 $\pm$ 402.730 χ^2 /NDF: 65.5/37

- sign -2600.768 $\pm$ 575.636 χ^2 /NDF: 14.0/19

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF : 0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF : 136483.1/18

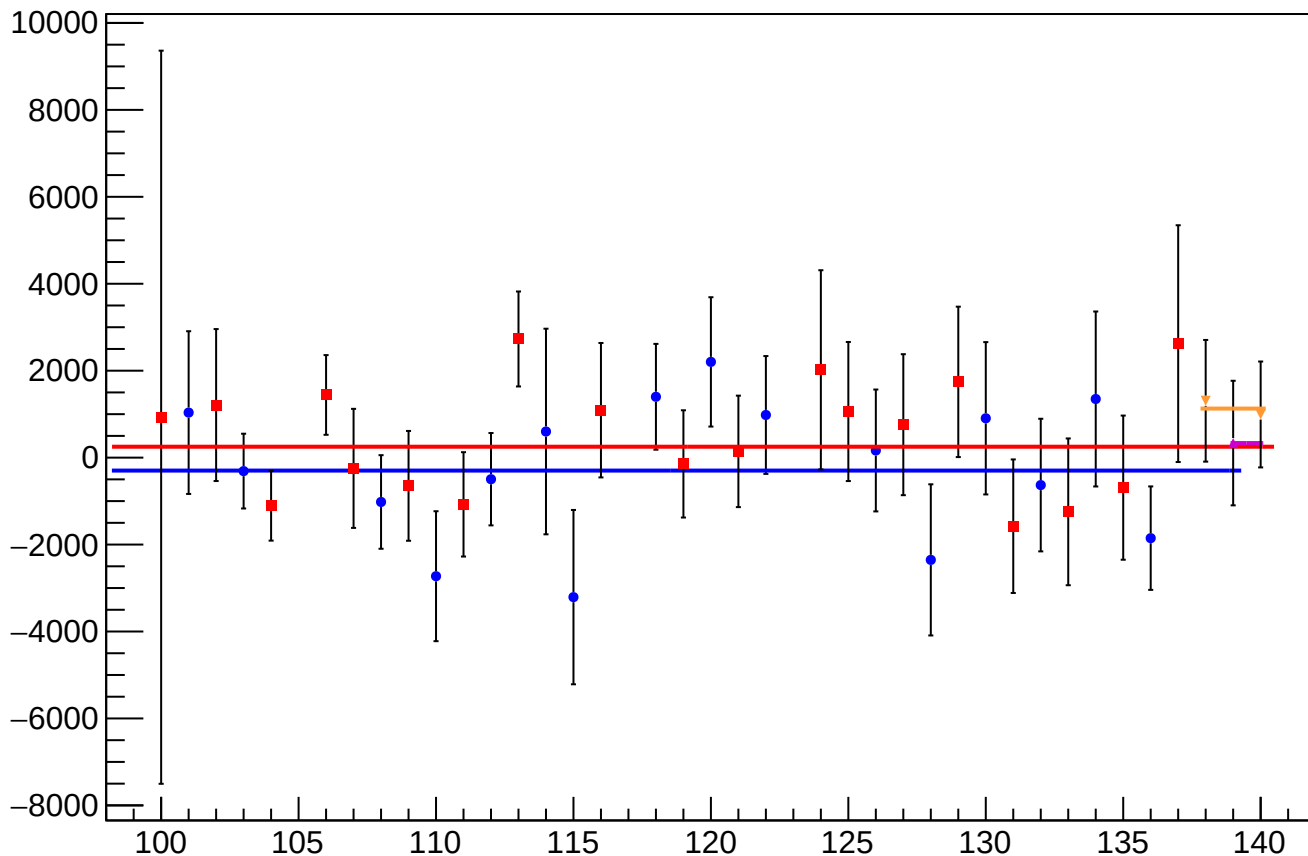
Left In: 1607.916+/-1.236 χ^2/NDF : 0.0/0

+ sign 1646.419+/-0.399 χ^2/NDF : 668876.9/17

All: 1643.638+/-0.285 χ^2/NDF : 806250.8/37

- sign 1640.738+/-0.407 χ^2/NDF : 137274.4/19

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF : 15.9/15

Left Out: 1128.587+/-918.840 χ^2/NDF : 0.0/1

Right Out: 251.230+/-315.749 χ^2/NDF : 17.3/18

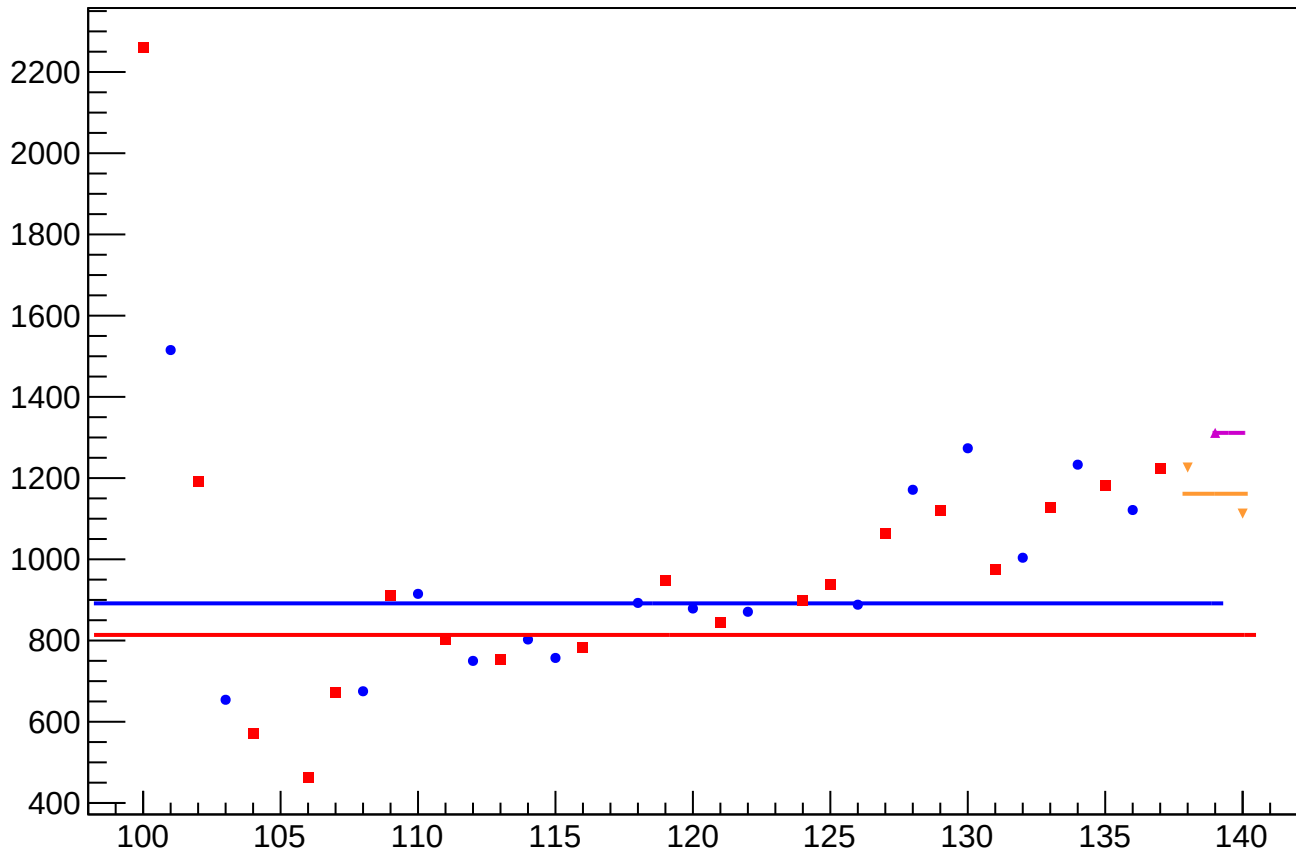
Left In: 335.054+/-1432.906 χ^2/NDF : 0.0/0

+ sign -122.989+/-321.662 χ^2/NDF : 18.1/17

All: 74.046+/-222.594 χ^2/NDF : 36.1/37

- sign 255.112+/-308.352 χ^2/NDF : 17.3/19

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533 $\pm$ 0.243 χ^2 /NDF: 793657.2/15

Left Out: 1161.438 $\pm$ 0.650 χ^2 /NDF: 7472.9/1

Right Out: 813.807 $\pm$ 0.223 χ^2 /NDF: 1052991.6/18

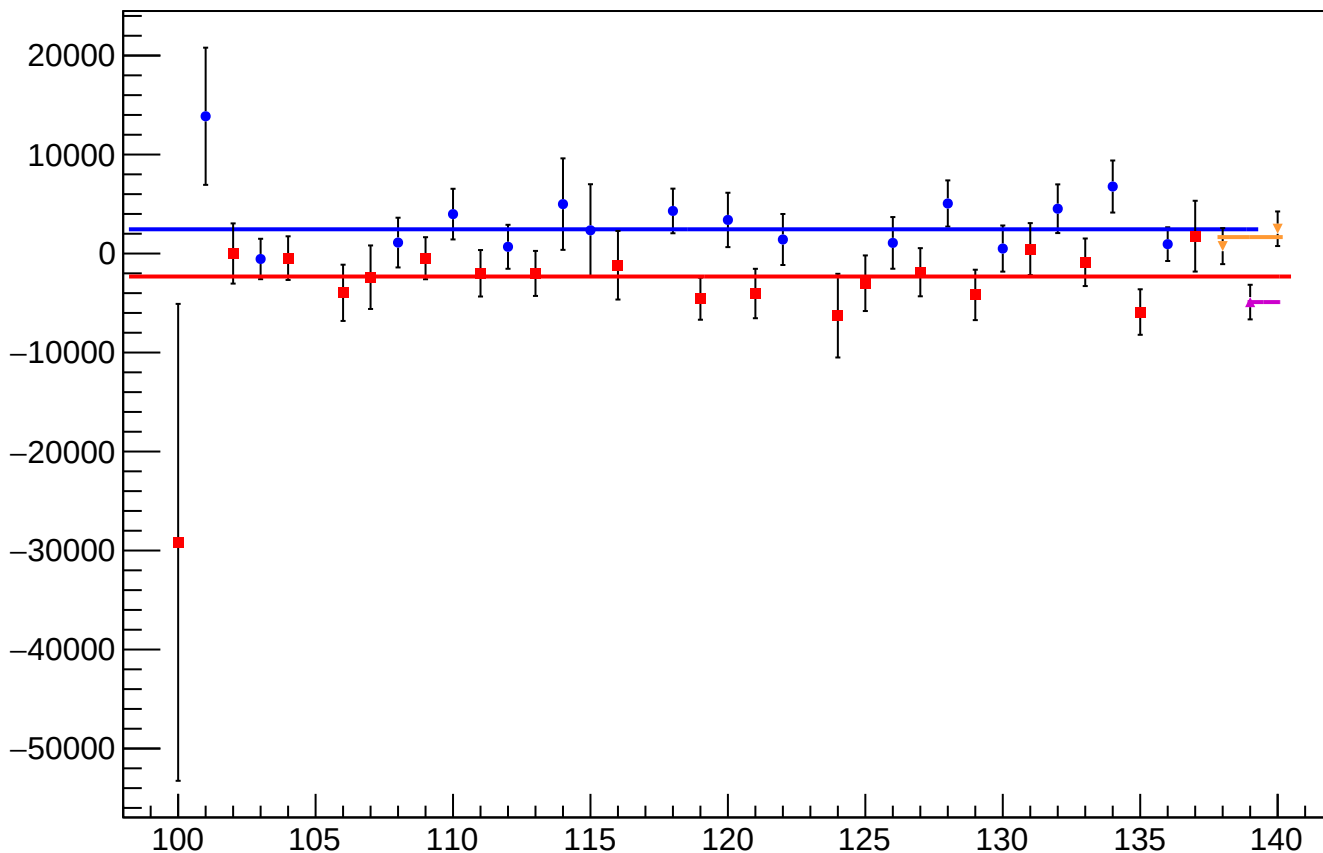
Left In: 1311.359 $\pm$ 1.013 χ^2 /NDF: 0.0/0

+ sign 924.610 $\pm$ 0.227 χ^2 /NDF: 952554.1/17

All: 878.876 $\pm$ 0.157 χ^2 /NDF: 2313106.1/37

- sign 836.848 $\pm$ 0.218 χ^2 /NDF: 1282965.9/19

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF : 13.8/15

Left Out: 1661.423+/-1259.888 χ^2/NDF : 0.5/1

Right Out: -2320.575+/-609.657 χ^2/NDF : 12.1/18

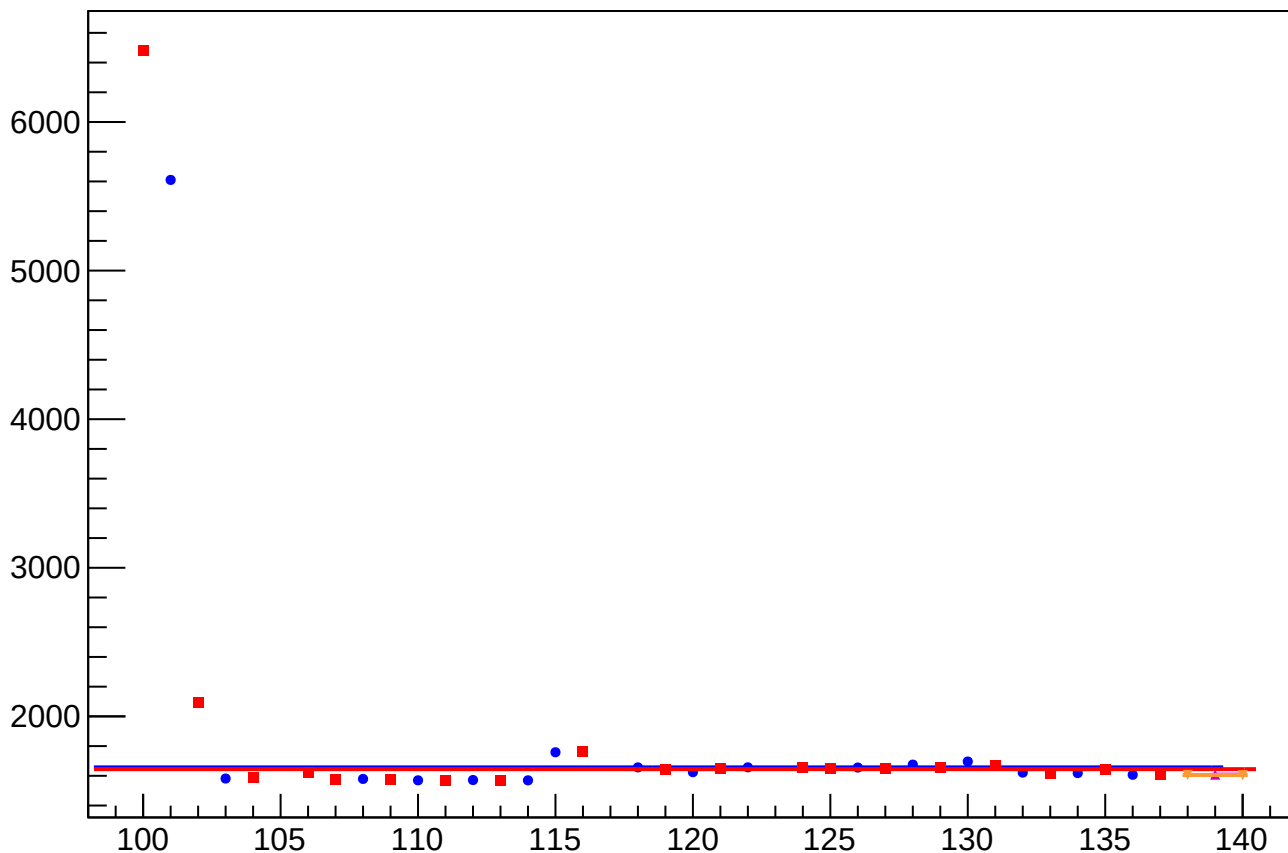
Left In: -4903.173+/-1747.622 χ^2/NDF : 0.0/0

+ sign 2291.686+/-563.647 χ^2/NDF : 14.6/17

All: -103.063+/-402.730 χ^2/NDF : 65.5/37

- sign -2600.768+/-575.636 χ^2/NDF : 14.0/19

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF : 0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF : 136483.1/18

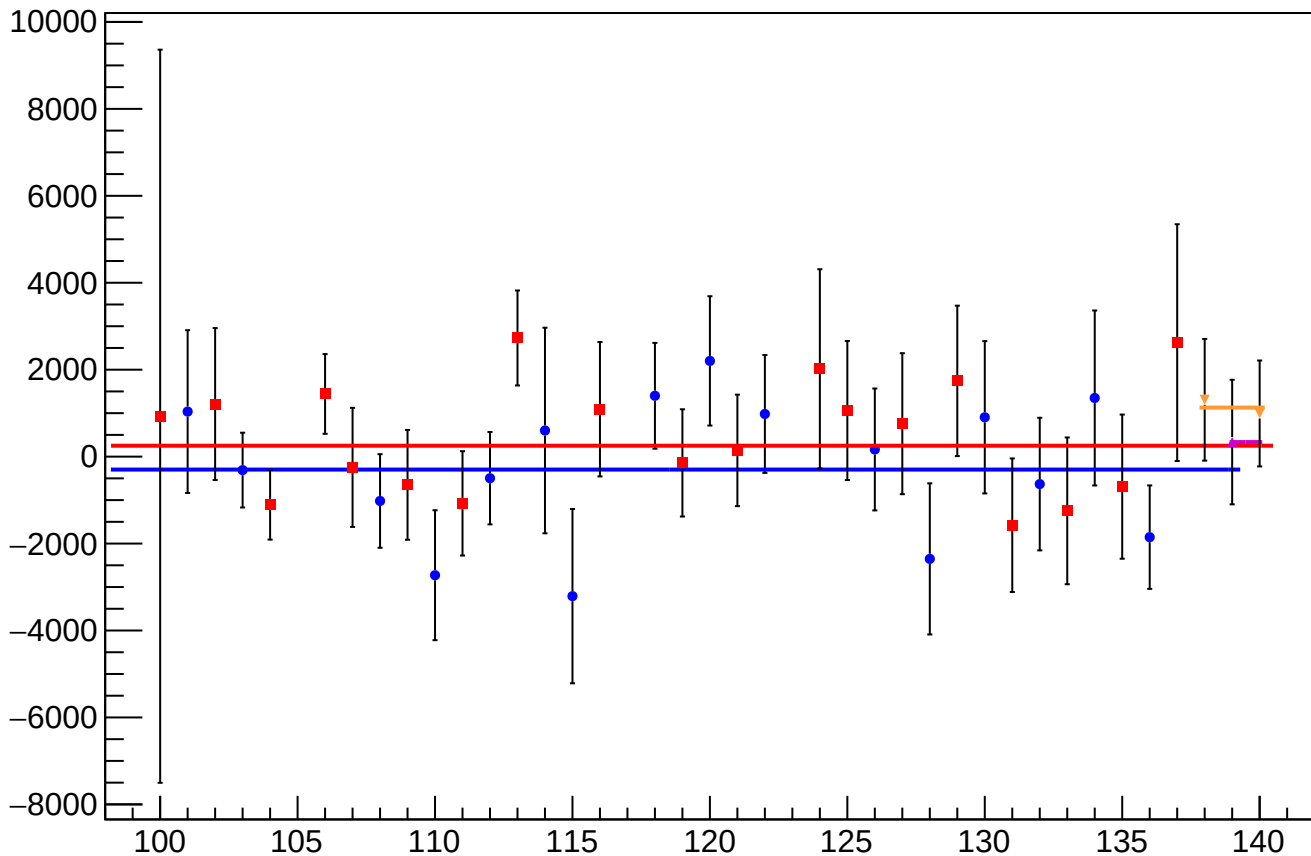
Left In: 1607.916+/-1.236 χ^2/NDF : 0.0/0

+ sign 1646.419+/-0.399 χ^2/NDF : 668876.9/17

All: 1643.638+/-0.285 χ^2/NDF : 806250.8/37

- sign 1640.738+/-0.407 χ^2/NDF : 137274.4/19

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF : 15.9/15

Left Out: 1128.587+/-918.840 χ^2/NDF : 0.0/1

Right Out: 251.230+/-315.749 χ^2/NDF : 17.3/18

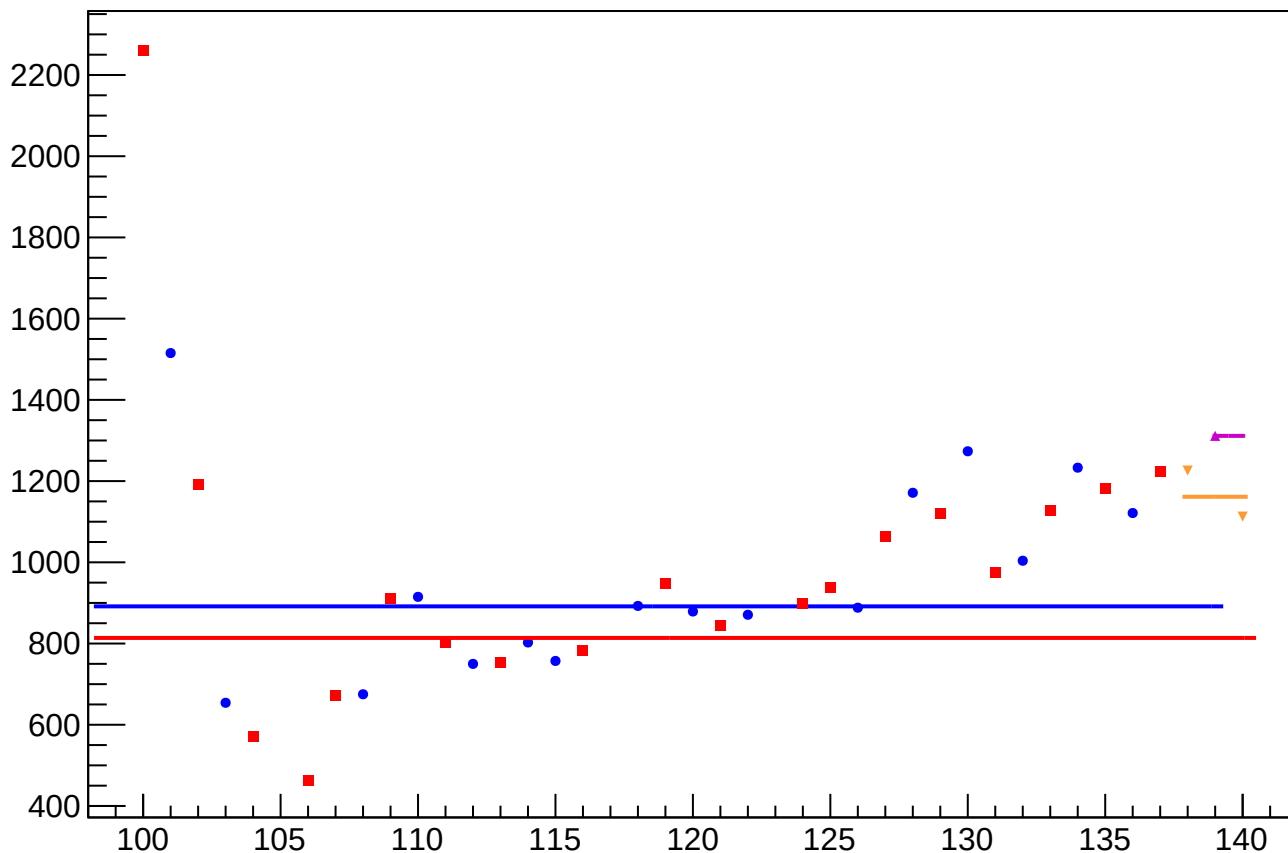
Left In: 335.054+/-1432.906 χ^2/NDF : 0.0/0

+ sign -122.989+/-321.662 χ^2/NDF : 18.1/17

All: 74.046+/-222.594 χ^2/NDF : 36.1/37

- sign 255.112+/-308.352 χ^2/NDF : 17.3/19

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF : 793657.2/15

Left Out: 1161.438+/-0.650 χ^2/NDF : 7472.9/1

+ sign 924.610+/-0.227 χ^2/NDF : 952554.1/17

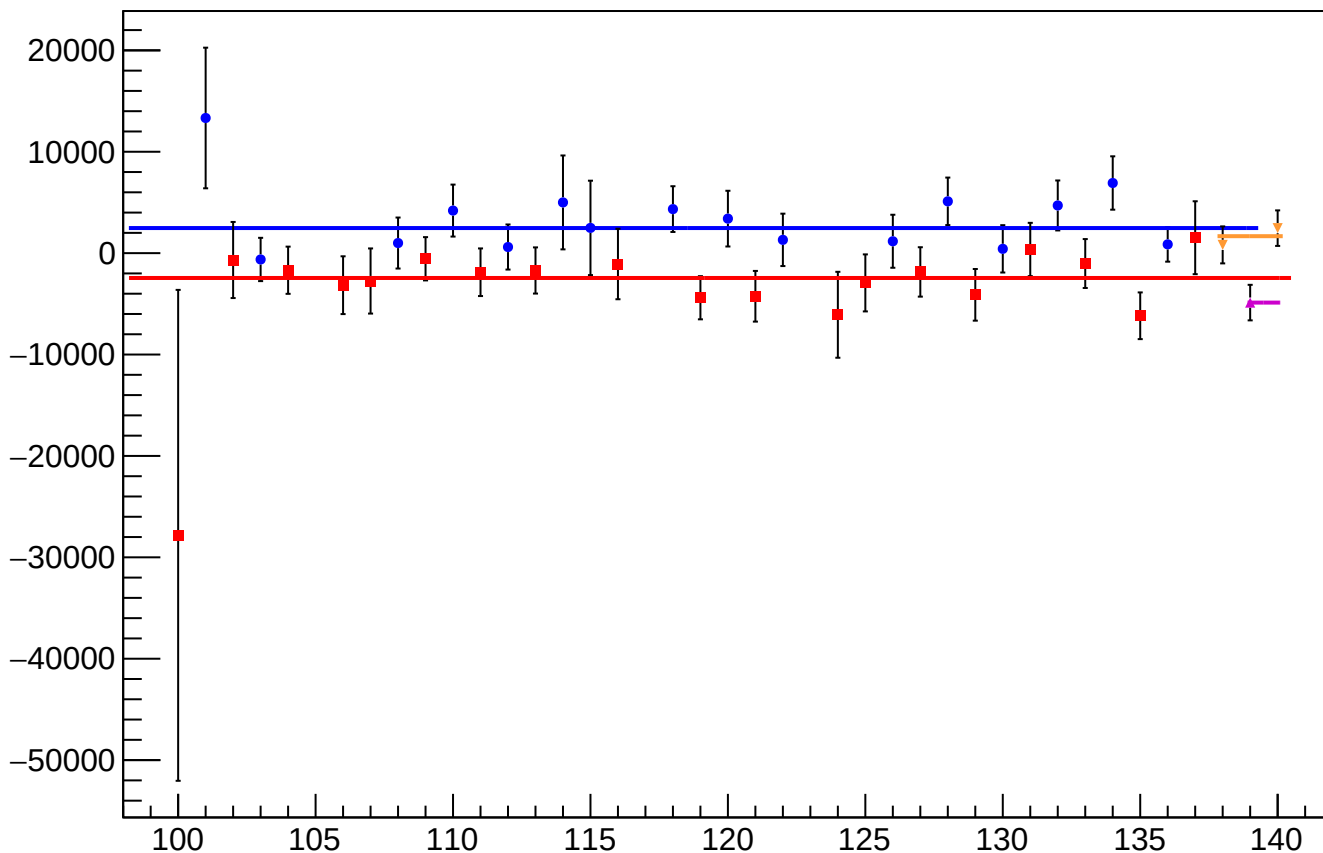
Right Out: 813.807+/-0.223 χ^2/NDF : 1052991.6/18

All: 878.876+/-0.157 χ^2/NDF : 2313106.1/37

- sign 836.848+/-0.218 χ^2/NDF : 1282965.9/19

Left In: 1311.359+/-1.013 χ^2/NDF : 0.0/0

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229 $\pm$ 633.866 χ^2 /NDF: 14.2/15

Left Out: 1672.517 $\pm$ 1263.773 χ^2 /NDF: 0.4/1

Right Out: -2449.053 $\pm$ 617.532 χ^2 /NDF: 10.6/18

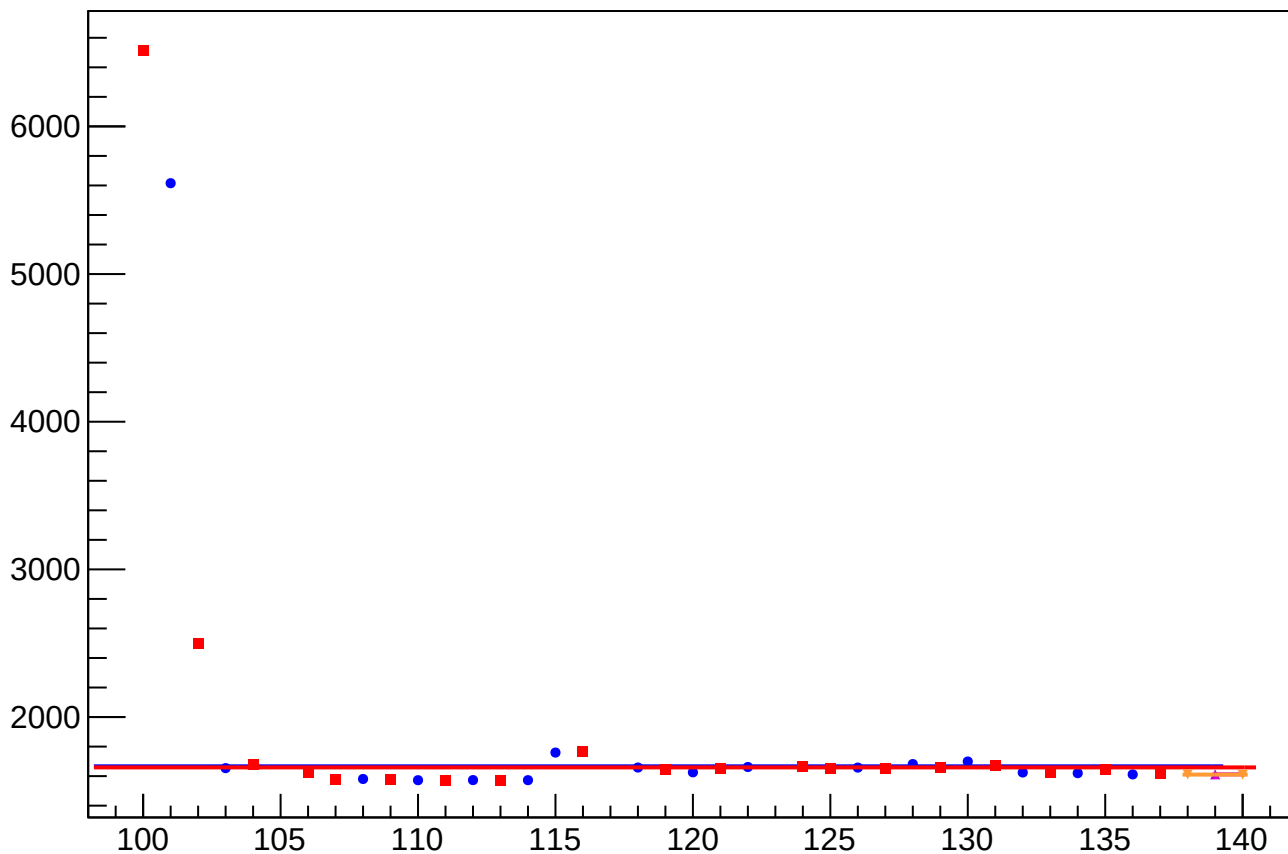
Left In: -4877.191 $\pm$ 1752.413 χ^2 /NDF: 0.0/0

+ sign 2313.882 $\pm$ 566.591 χ^2 /NDF: 15.0/17

All: -132.366 $\pm$ 406.124 χ^2 /NDF: 65.6/37

- sign -2717.269 $\pm$ 582.428 χ^2 /NDF: 12.3/19

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF : 1.4/1

Right Out: 1659.005+/-0.437 χ^2/NDF : 193223.7/18

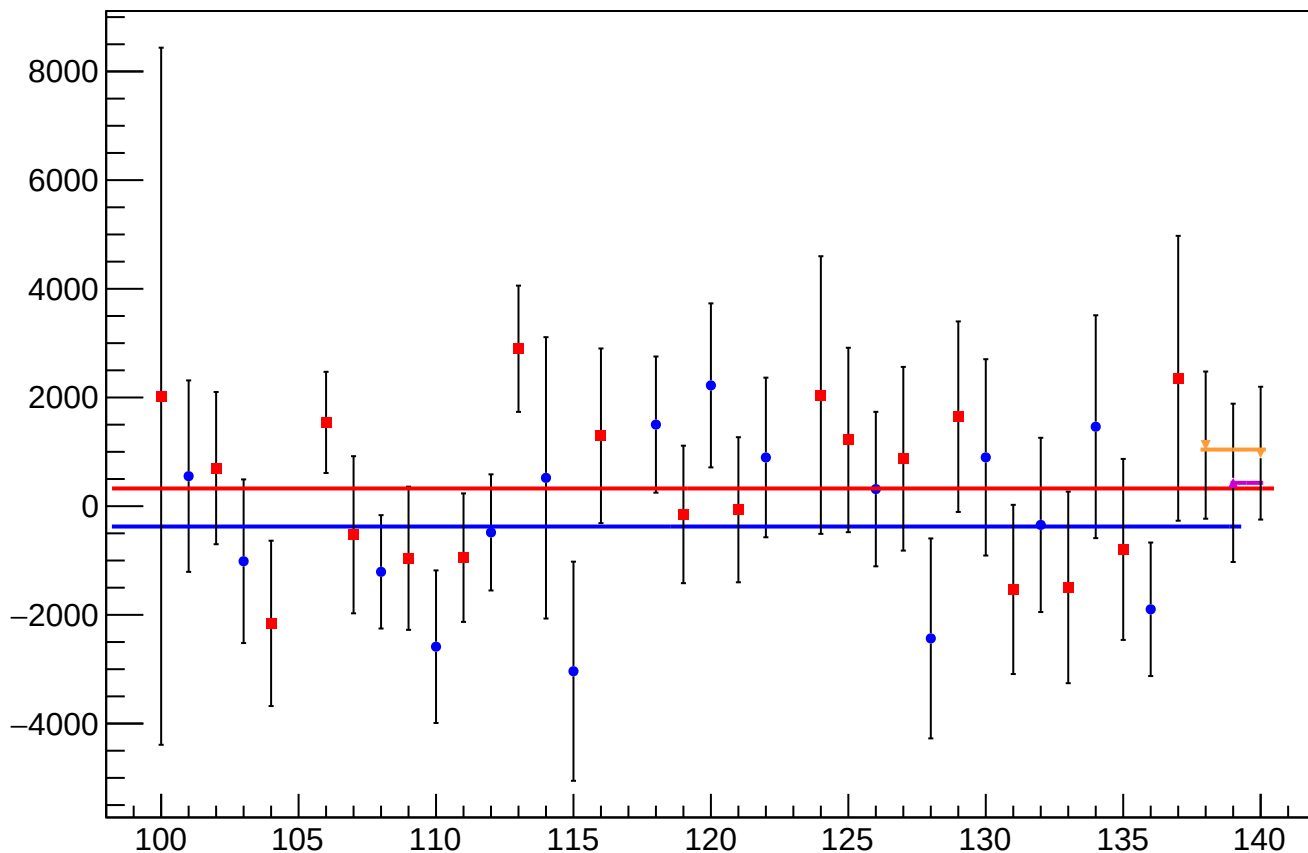
Left In: 1612.195+/-1.239 χ^2/NDF : 0.0/0

+ sign 1655.131+/-0.401 χ^2/NDF : 666060.9/17

All: 1654.500+/-0.287 χ^2/NDF : 860559.1/37

- sign 1653.834+/-0.412 χ^2/NDF : 194493.1/19

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF : 15.7/15

Left Out: 1041.979+/-907.288 χ^2/NDF : 0.0/1

Right Out: 325.671+/-340.620 χ^2/NDF : 17.4/18

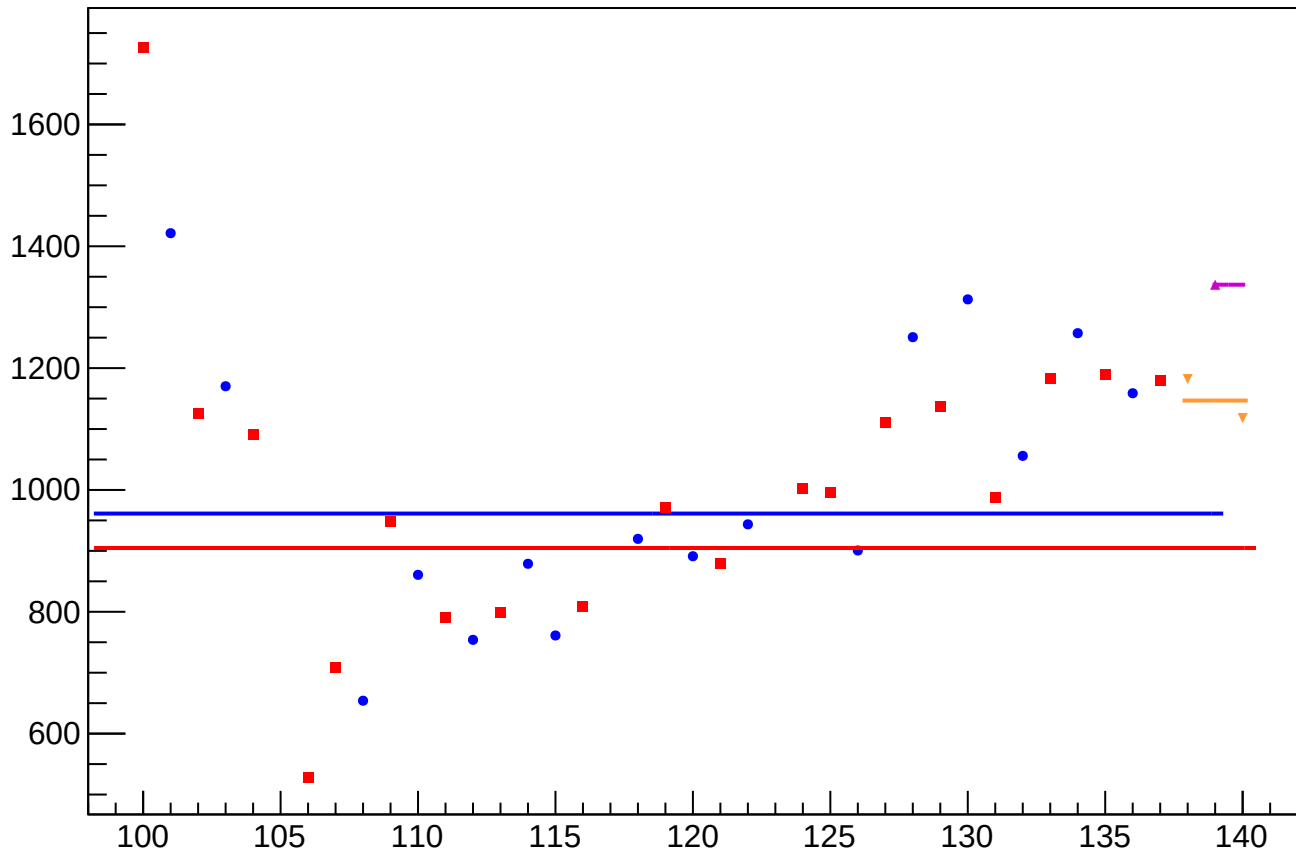
Left In: 429.434+/-1456.508 χ^2/NDF : 0.0/0

+ sign -174.520+/-340.972 χ^2/NDF : 17.8/17

All: 85.255+/-237.747 χ^2/NDF : 36.4/37

- sign 331.052+/-331.671 χ^2/NDF : 17.4/19

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243 $\pm$ 0.260 χ^2/NDF : 691875.4/15

Left Out: 1146.732 $\pm$ 0.642 χ^2/NDF : 2469.5/1

Right Out: 904.736 $\pm$ 0.241 χ^2/NDF : 736484.7/18

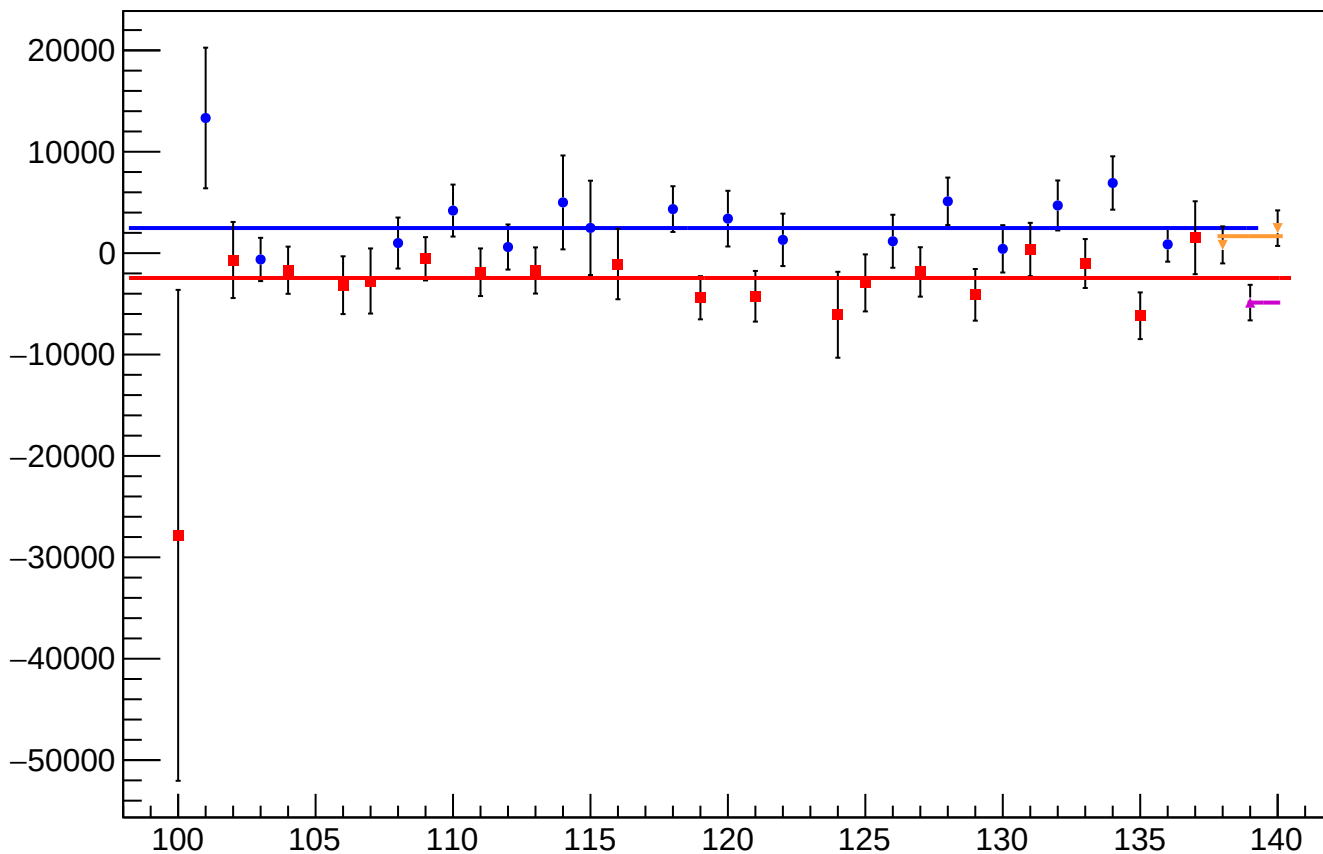
Left In: 1336.922 $\pm$ 1.030 χ^2/NDF : 0.0/0

+ sign 987.440 $\pm$ 0.241 χ^2/NDF : 766132.4/17

All: 956.460 $\pm$ 0.168 χ^2/NDF : 1701712.3/37

- sign 927.147 $\pm$ 0.235 χ^2/NDF : 903447.4/19

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF : 14.2/15

Left Out: 1672.518+/-1263.773 χ^2/NDF : 0.4/1

Right Out: -2449.053+/-617.532 χ^2/NDF : 10.6/18

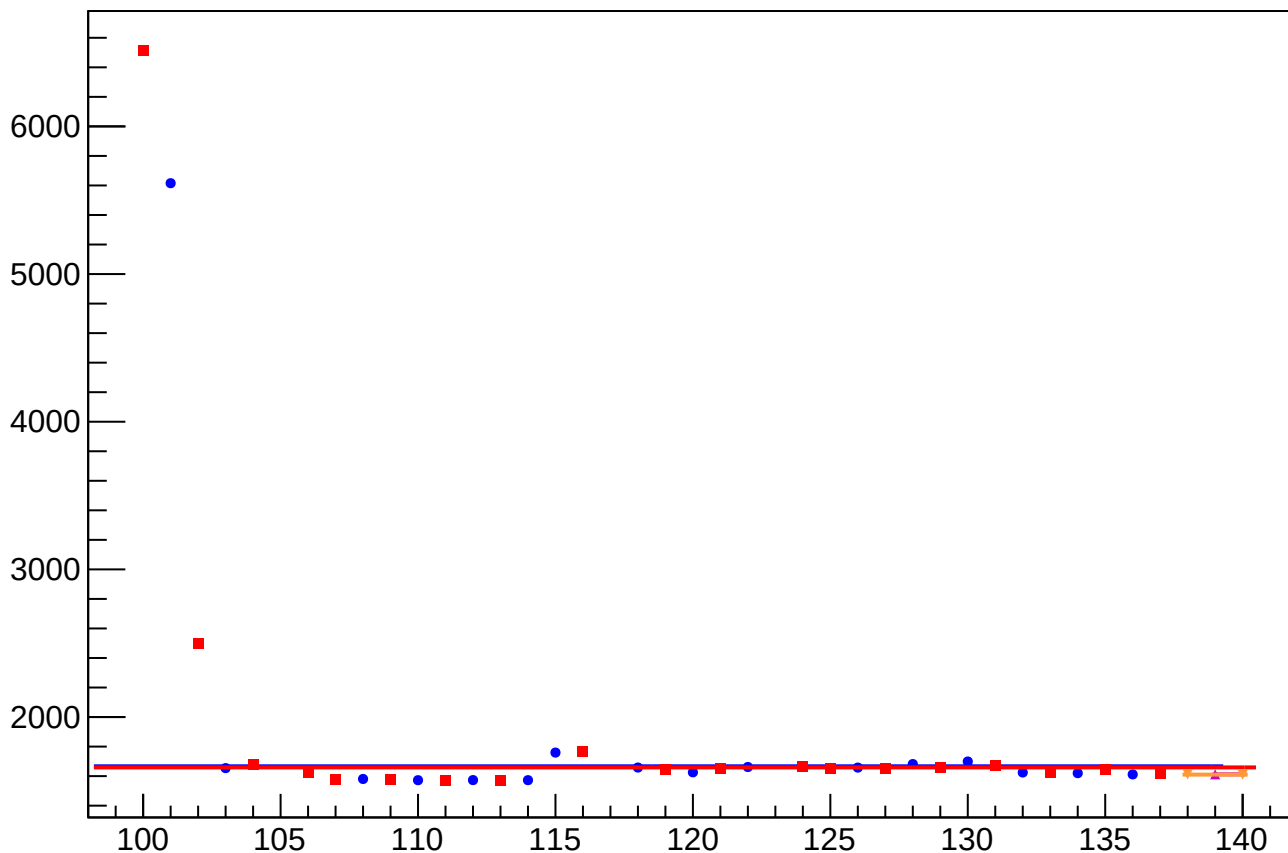
Left In: -4877.185+/-1752.413 χ^2/NDF : 0.0/0

+ sign 2313.881+/-566.591 χ^2/NDF : 15.0/17

All: -132.366+/-406.124 χ^2/NDF : 65.6/37

- sign -2717.268+/-582.428 χ^2/NDF : 12.3/19

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF : 1.4/1

Right Out: 1659.004+/-0.437 χ^2/NDF : 193223.5/18

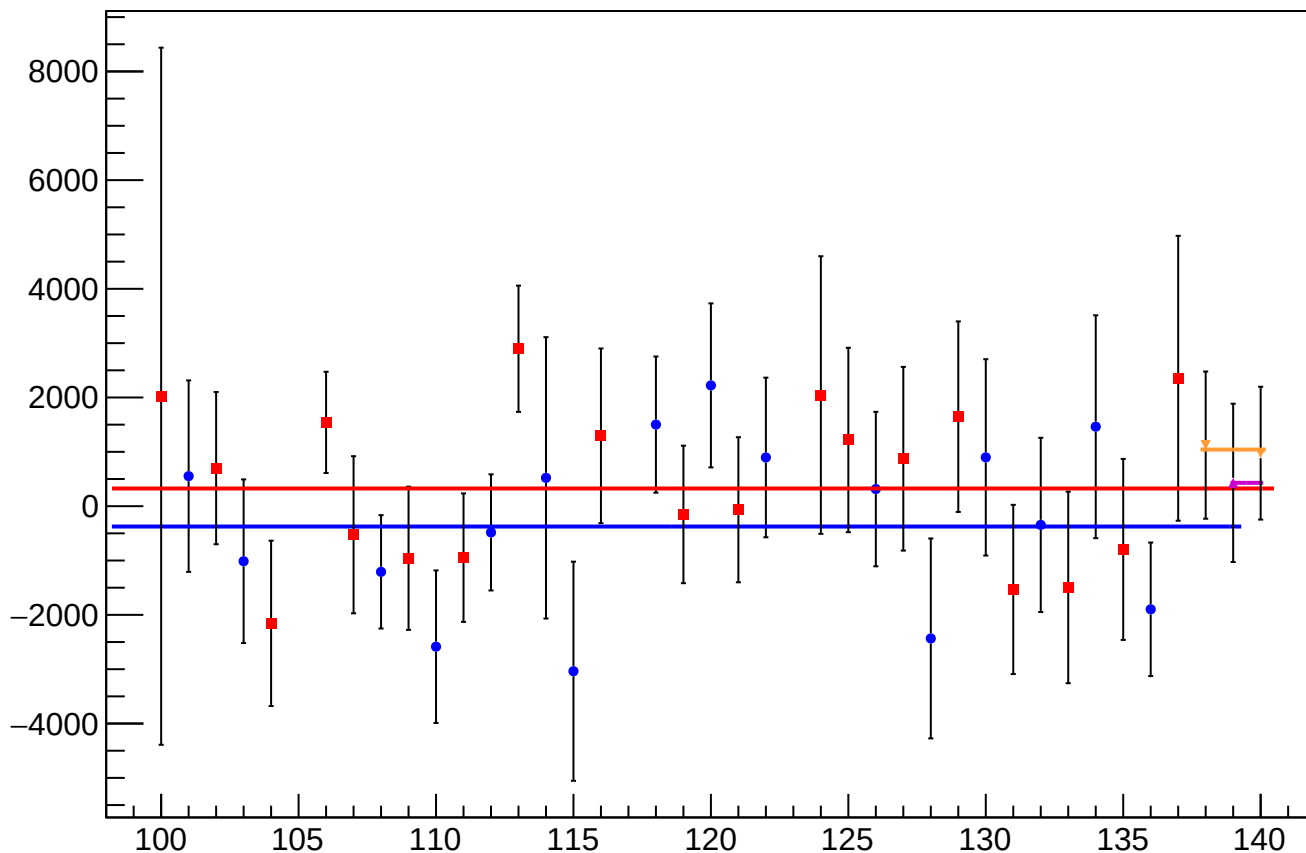
Left In: 1612.195+/-1.239 χ^2/NDF : 0.0/0

+ sign 1655.131+/-0.401 χ^2/NDF : 666060.9/17

All: 1654.500+/-0.287 χ^2/NDF : 860558.9/37

- sign 1653.834+/-0.412 χ^2/NDF : 194492.9/19

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -374.590 ± 367.943 χ^2/NDF : 15.7/15

Left Out: 1041.980 ± 907.290 χ^2/NDF : 0.0/1

Right Out: 325.670 ± 340.619 χ^2/NDF : 17.4/18

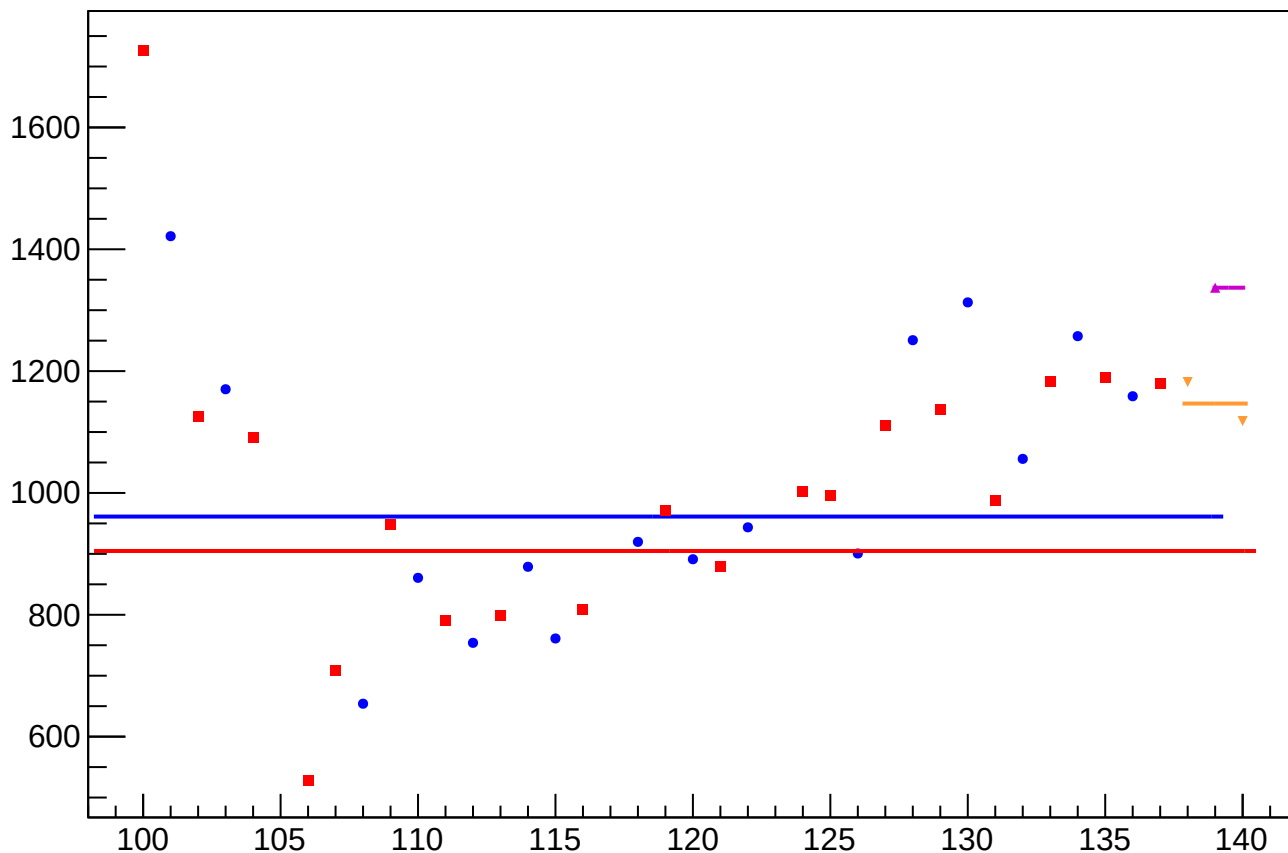
Left In: 429.440 ± 1456.512 χ^2/NDF : 0.0/0

+ sign -174.521 ± 340.971 χ^2/NDF : 17.8/17

All: 85.254 ± 237.747 χ^2/NDF : 36.4/37

- sign 331.051 ± 331.671 χ^2/NDF : 17.4/19

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239 $\pm$ 0.260 χ^2 /NDF: 691883.4/15

Left Out: 1146.734 $\pm$ 0.642 χ^2 /NDF: 2469.5/1

Right Out: 904.734 $\pm$ 0.241 χ^2 /NDF: 736482.2/18

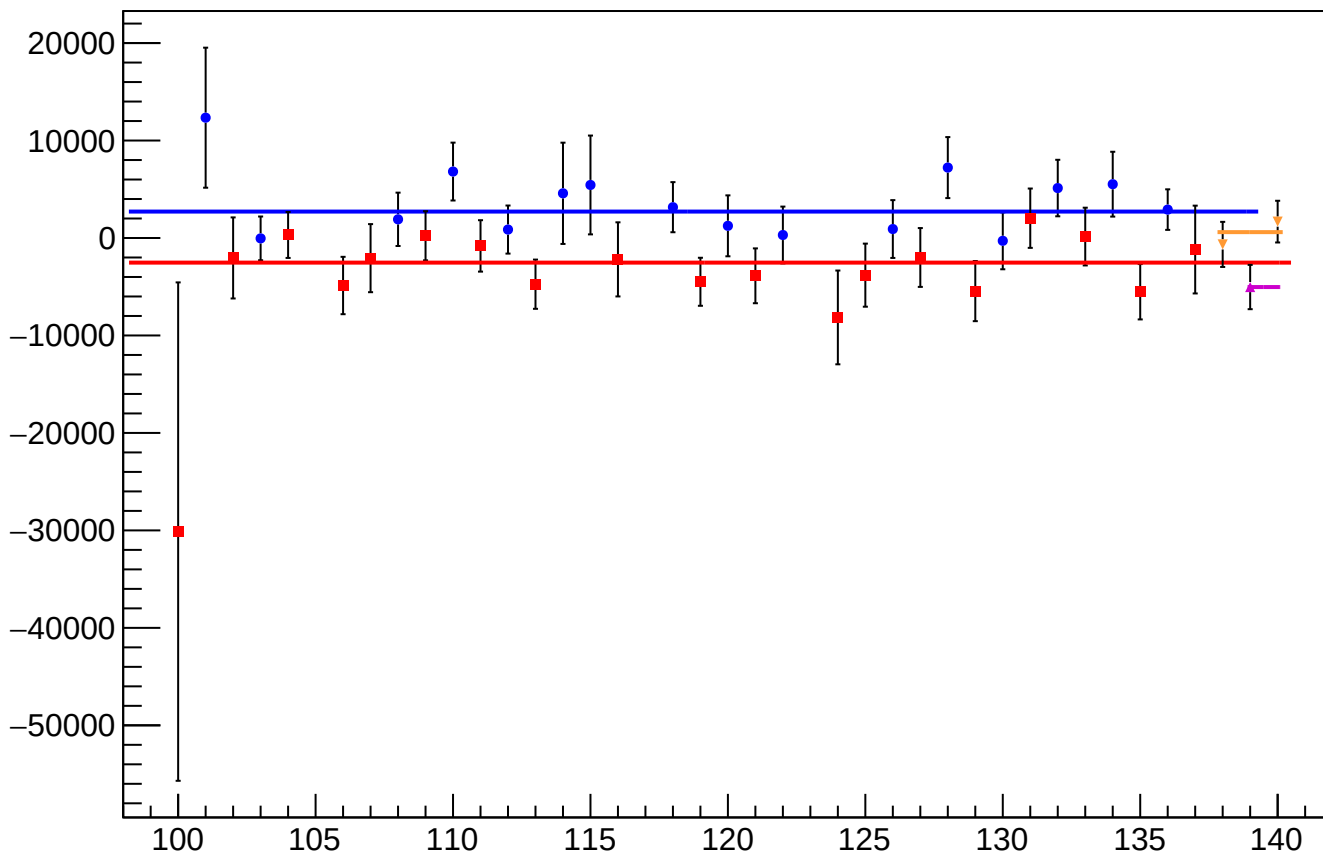
Left In: 1336.925 $\pm$ 1.030 χ^2 /NDF: 0.0/0

+ sign 987.437 $\pm$ 0.241 χ^2 /NDF: 766145.2/17

All: 956.457 $\pm$ 0.168 χ^2 /NDF: 1701725.6/37

- sign 927.145 $\pm$ 0.235 χ^2 /NDF: 903448.7/19

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF : 12.1/15

Left Out: 602.431+/-1570.724 χ^2/NDF : 0.6/1

Right Out: -2525.536+/-706.449 χ^2/NDF : 13.2/18

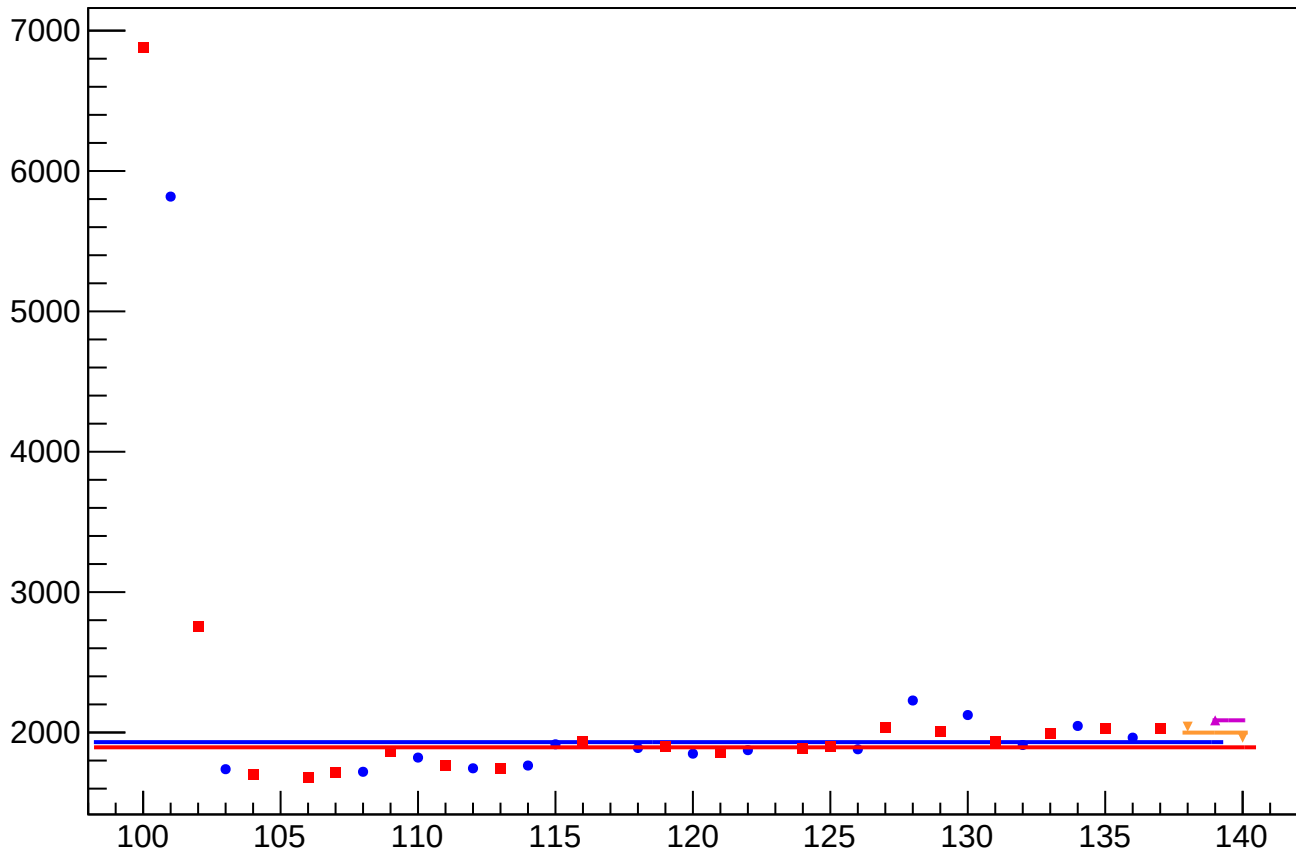
Left In: -5032.602+/-2271.001 χ^2/NDF : 0.0/0

+ sign 2332.482+/-665.786 χ^2/NDF : 14.2/17

All: -173.859+/-473.855 χ^2/NDF : 57.2/37

- sign -2746.733+/-674.565 χ^2/NDF : 14.4/19

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF : 661227.1/15

Left Out: 1999.137+/-1.111 χ^2/NDF :1232.5/1

Right Out: 1894.349+/-0.500 χ^2/NDF : 220541.1/18

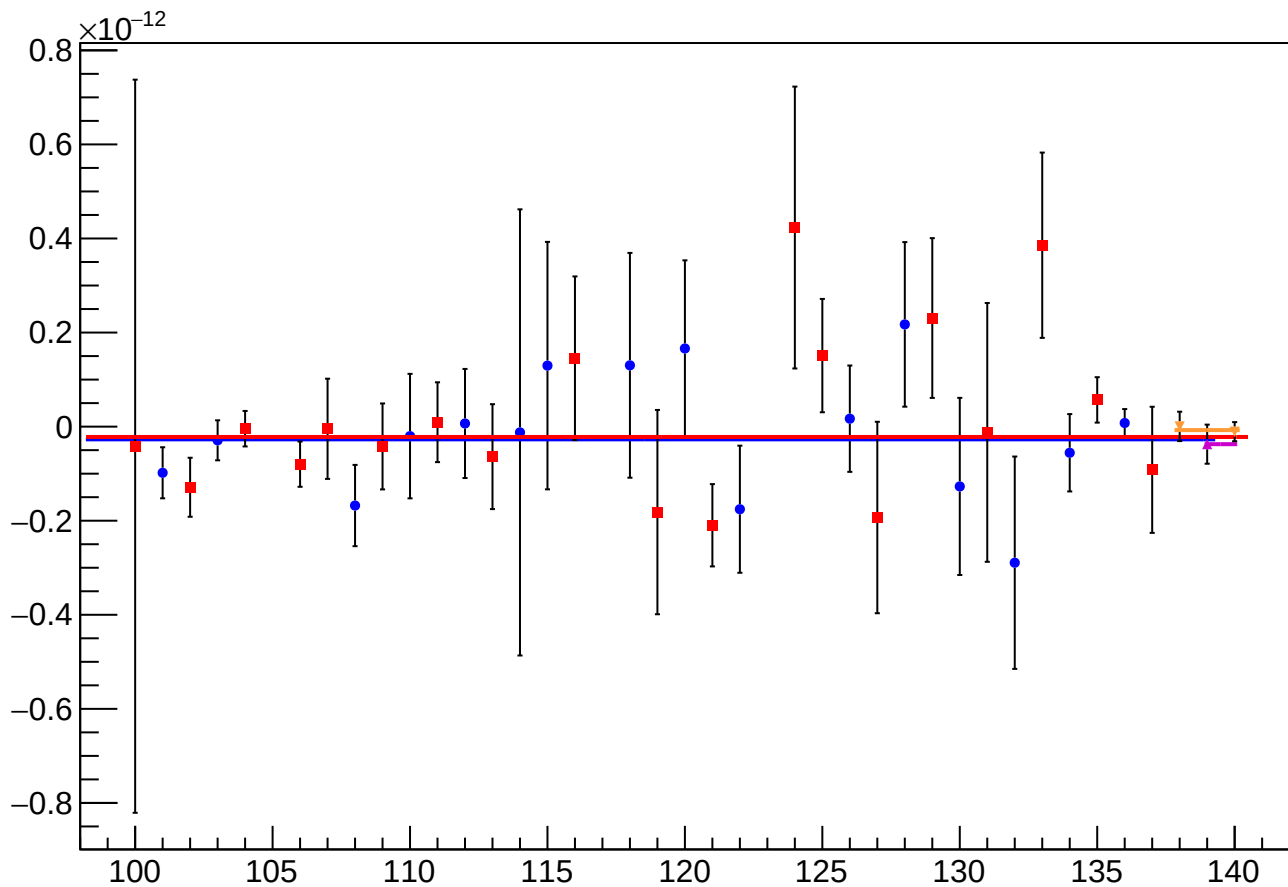
Left In: 2086.771+/-1.606 χ^2/NDF :0.0/0

+ sign 1943.447+/-0.471 χ^2/NDF : 665524.2/17

All: 1927.597+/-0.335 χ^2/NDF : 901454.1/37

- sign 1911.326+/-0.477 χ^2/NDF : 233632.8/19

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF : 25.4/18

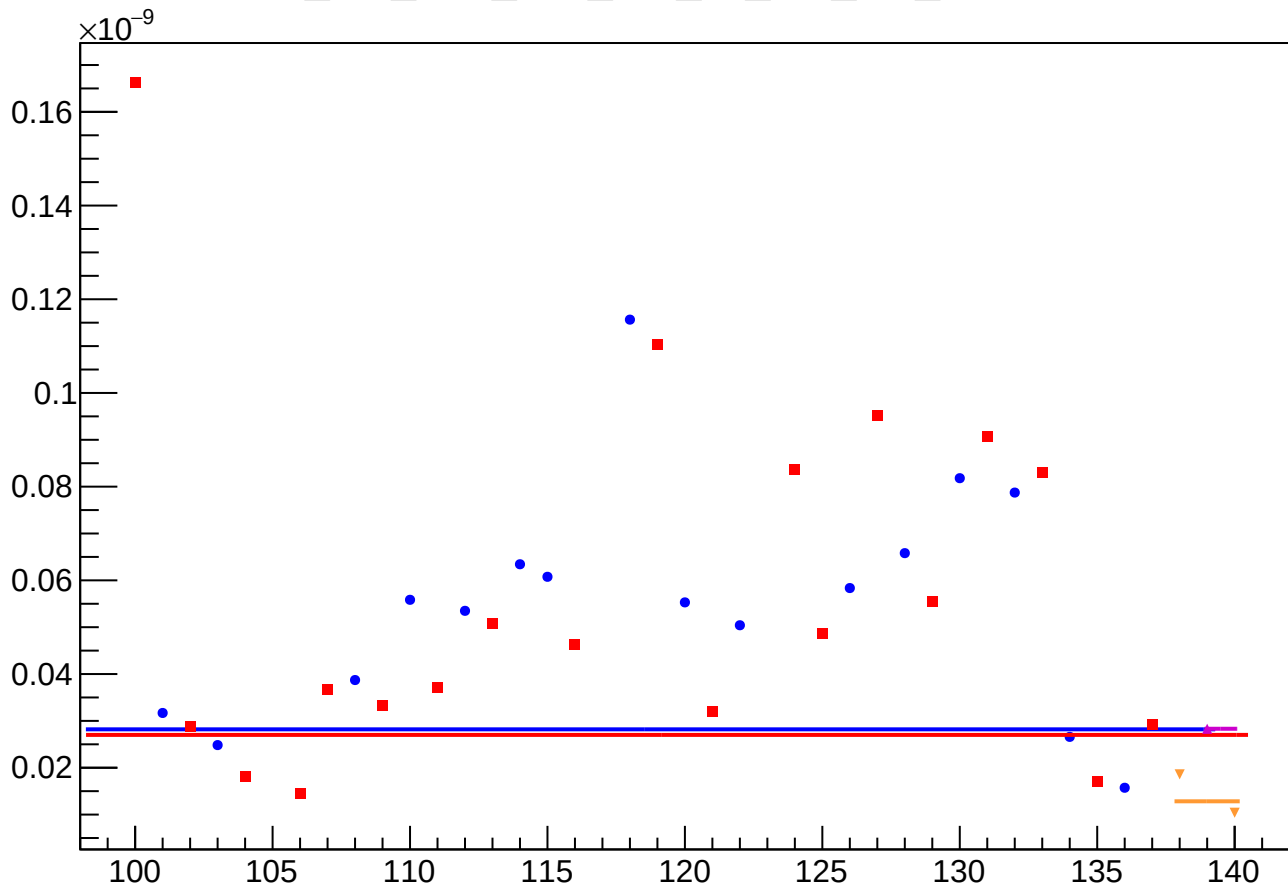
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 13.4/17

All: -0.000+/-0.000 χ^2/NDF : 39.1/37

- sign -0.000+/-0.000 χ^2/NDF : 25.5/19

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 96795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1556165.9/18

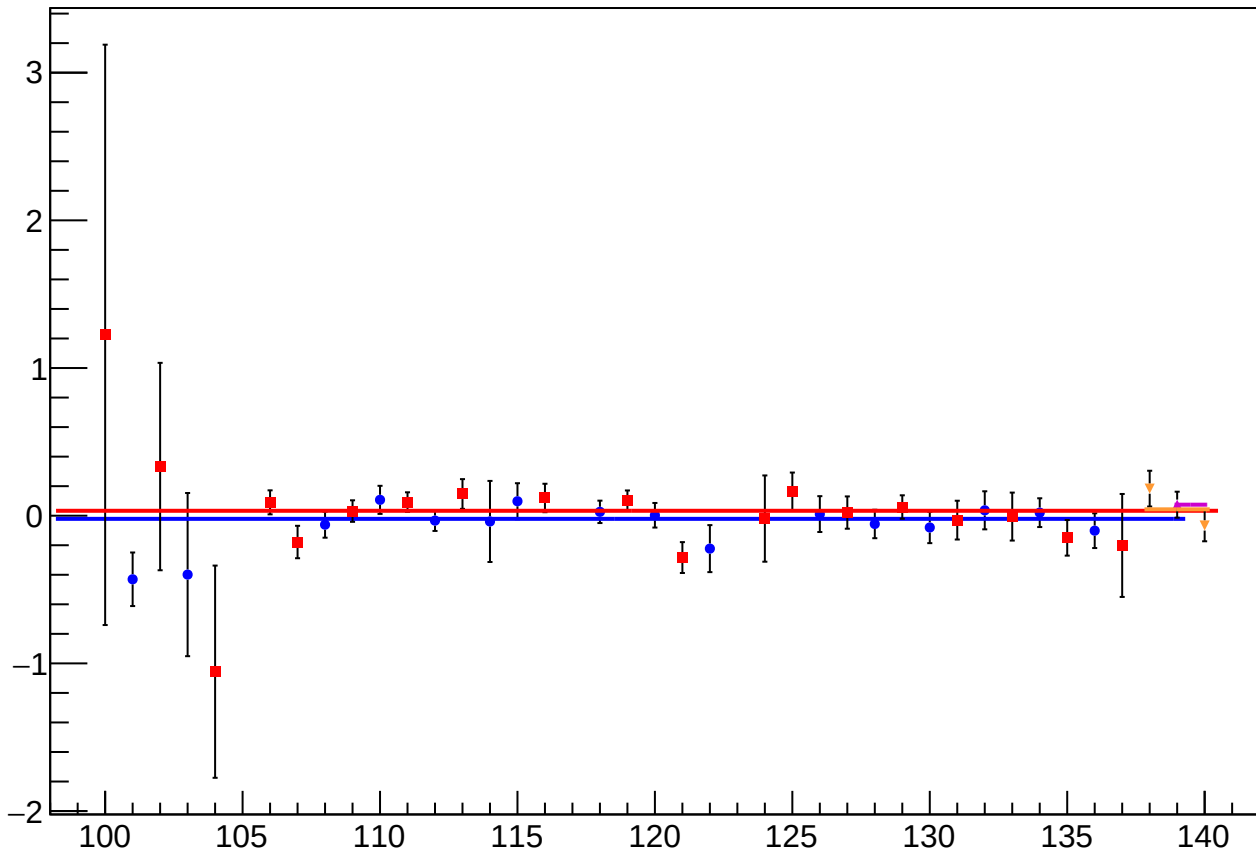
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2305642.3/17

All: 0.000+/-0.000 χ^2/NDF : 4111120.9/37

- sign 0.000+/-0.000 χ^2/NDF : 1557797.9/19

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: 0.043 ± 0.080 χ^2/NDF : 2.4/1

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

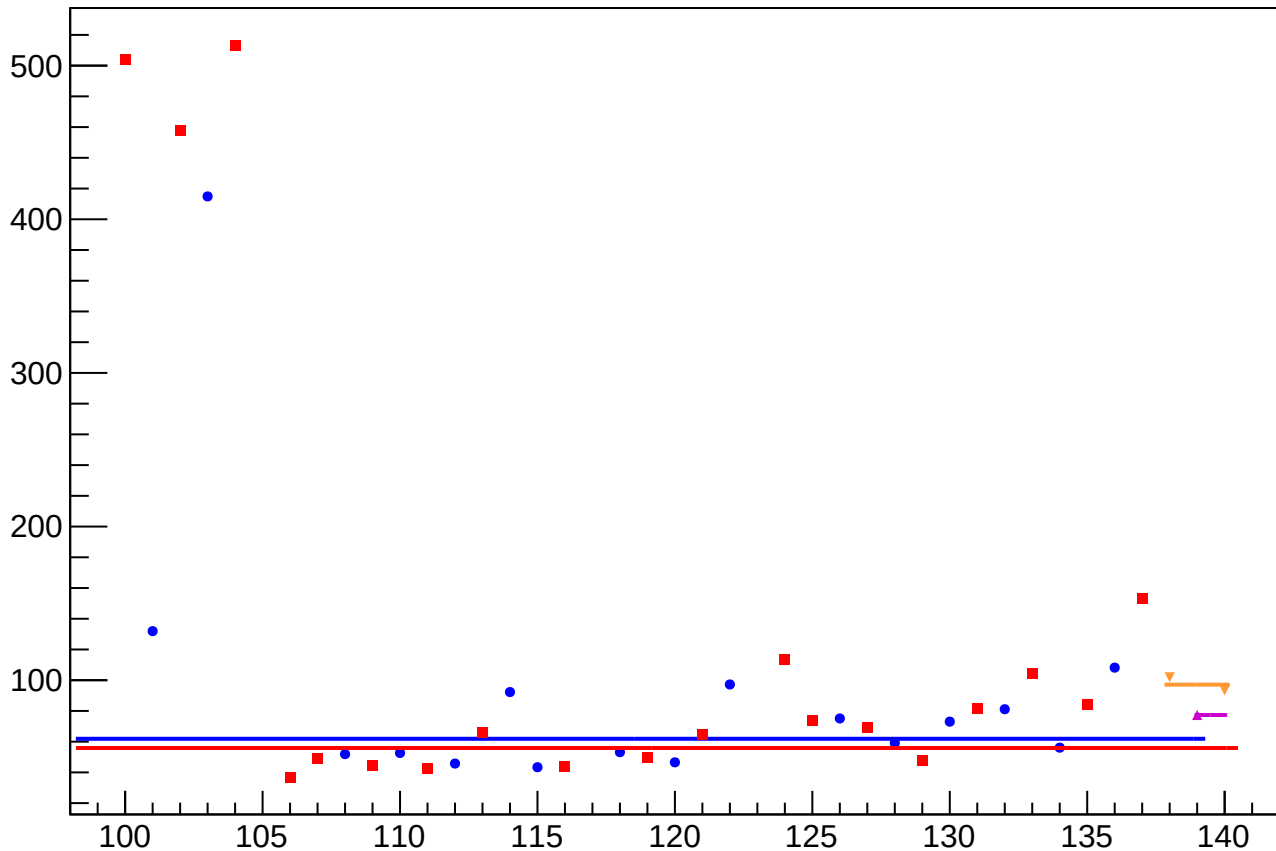
Left In: 0.075 ± 0.088 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.012 ± 0.017 χ^2/NDF : 41.8/37

- sign 0.036 ± 0.024 χ^2/NDF : 24.6/19

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876 $\pm$ 0.019 χ^2 /NDF: 1937953.9/15

Left Out: 97.111 $\pm$ 0.057 χ^2 /NDF: 5572.0/1

Right Out: 55.887 $\pm$ 0.017 χ^2 /NDF: 2591275.8/18

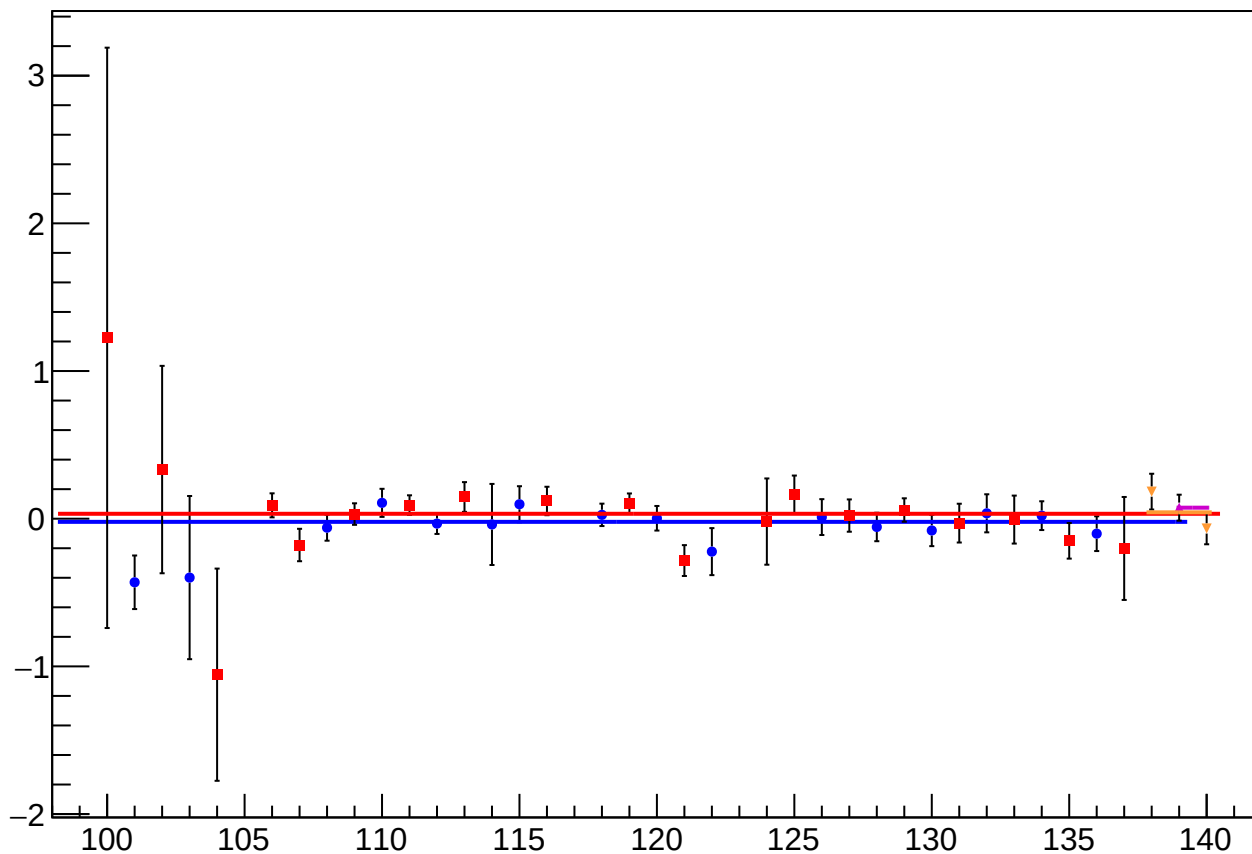
Left In: 77.358 $\pm$ 0.062 χ^2 /NDF: 0.0/0

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291777.0/17

All: 61.155 $\pm$ 0.012 χ^2 /NDF: 5098515.1/37

- sign 57.445 $\pm$ 0.017 χ^2 /NDF: 2701943.7/19

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.027 χ^2/NDF : 12.0/15

Left Out: 0.043 ± 0.080 χ^2/NDF : 2.4/1

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

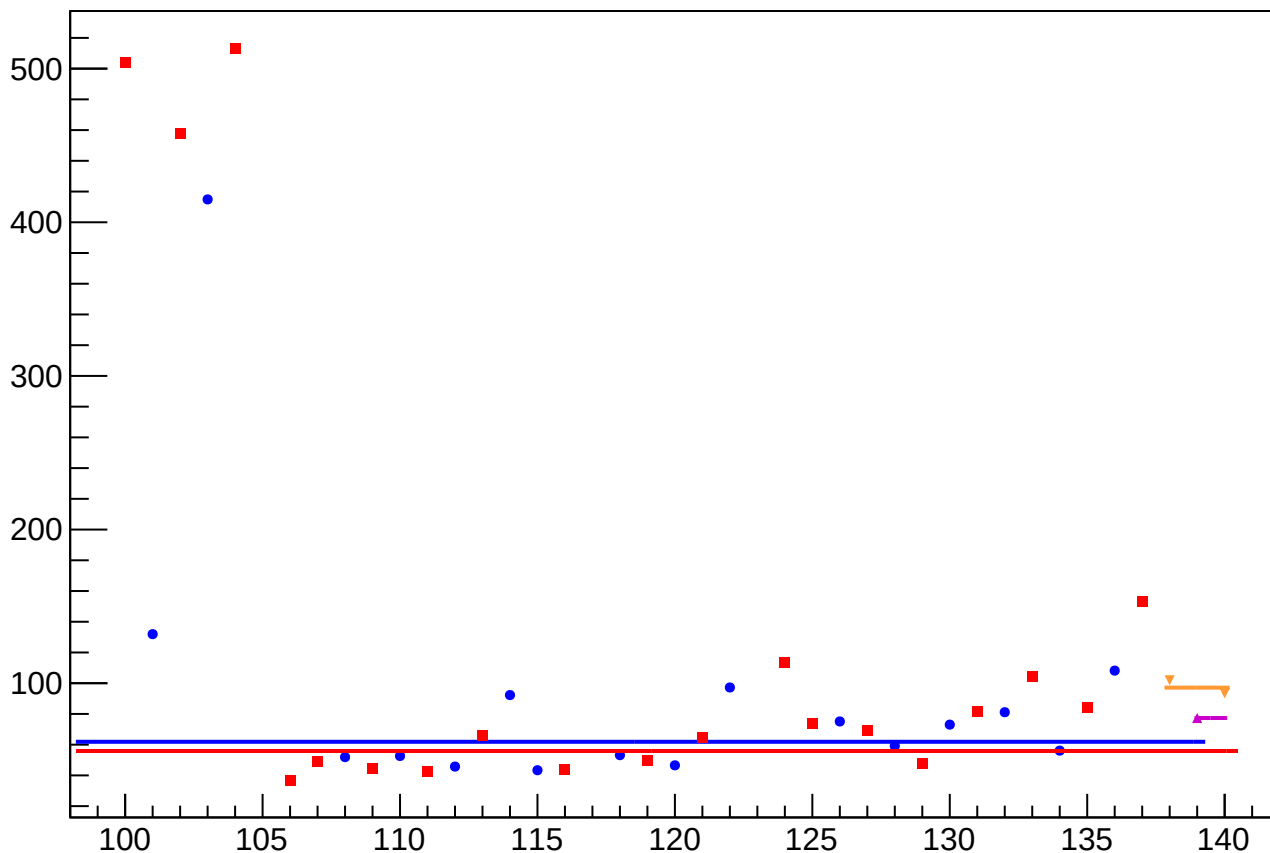
Left In: 0.075 ± 0.088 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.012 ± 0.017 χ^2/NDF : 41.8/37

- sign 0.036 ± 0.024 χ^2/NDF : 24.6/19

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876 $\pm$ 0.019 χ^2 /NDF: 1937953.9/15

Left Out: 97.111 $\pm$ 0.057 χ^2 /NDF: 5572.0/1

Right Out: 55.887 $\pm$ 0.017 χ^2 /NDF: 2591275.8/18

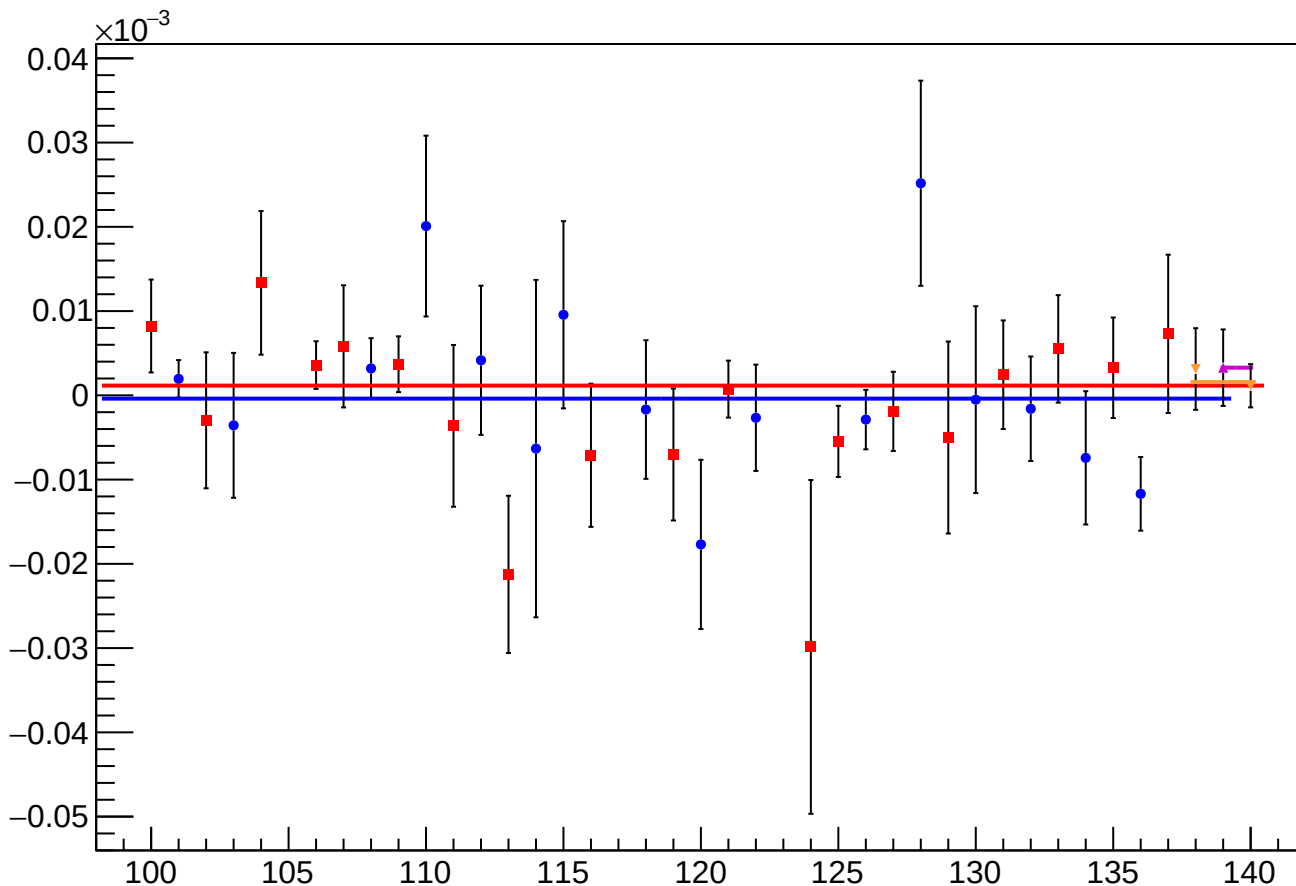
Left In: 77.358 $\pm$ 0.062 χ^2 /NDF: 0.0/0

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291777.0/17

All: 61.155 $\pm$ 0.012 χ^2 /NDF: 5098515.1/37

- sign 57.445 $\pm$ 0.017 χ^2 /NDF: 2701943.7/19

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

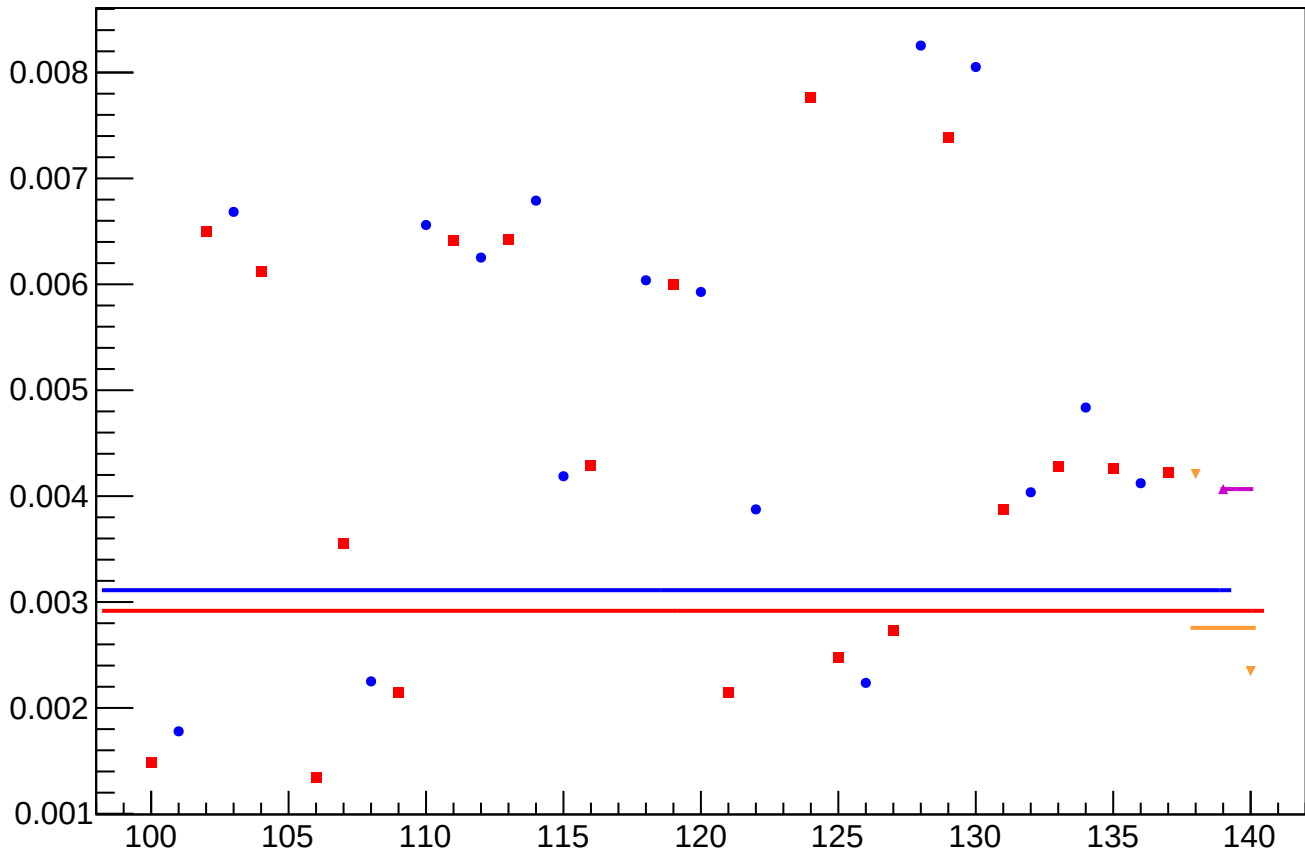
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/19

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF : 230514.2/1

Right Out: 0.003+/-0.000 χ^2/NDF : 3295506.1/18

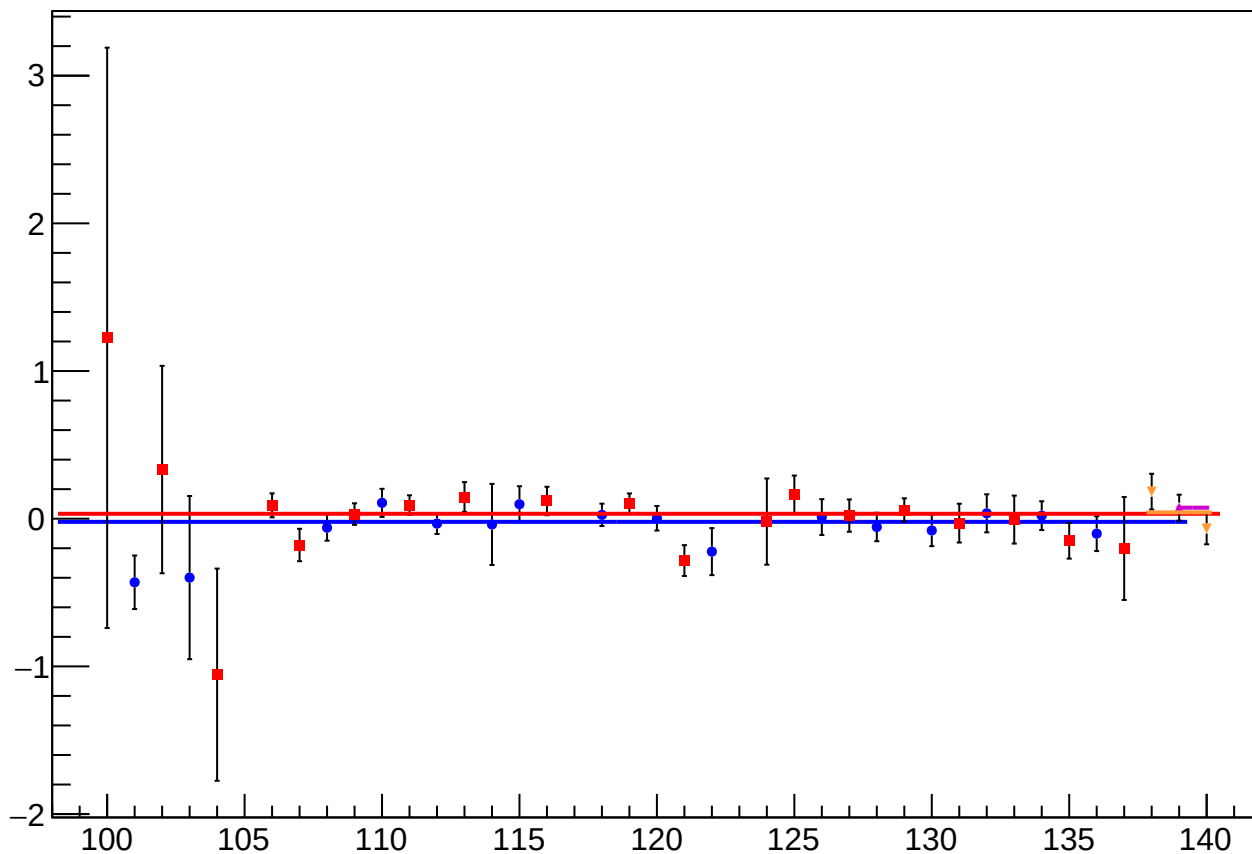
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 3550930.0/17

All: 0.003+/-0.000 χ^2/NDF : 6965942.9/37

- sign 0.003+/-0.000 χ^2/NDF : 3414658.4/19

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.027 χ^2/NDF : 12.0/15

Left Out: 0.043 ± 0.080 χ^2/NDF : 2.4/1

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

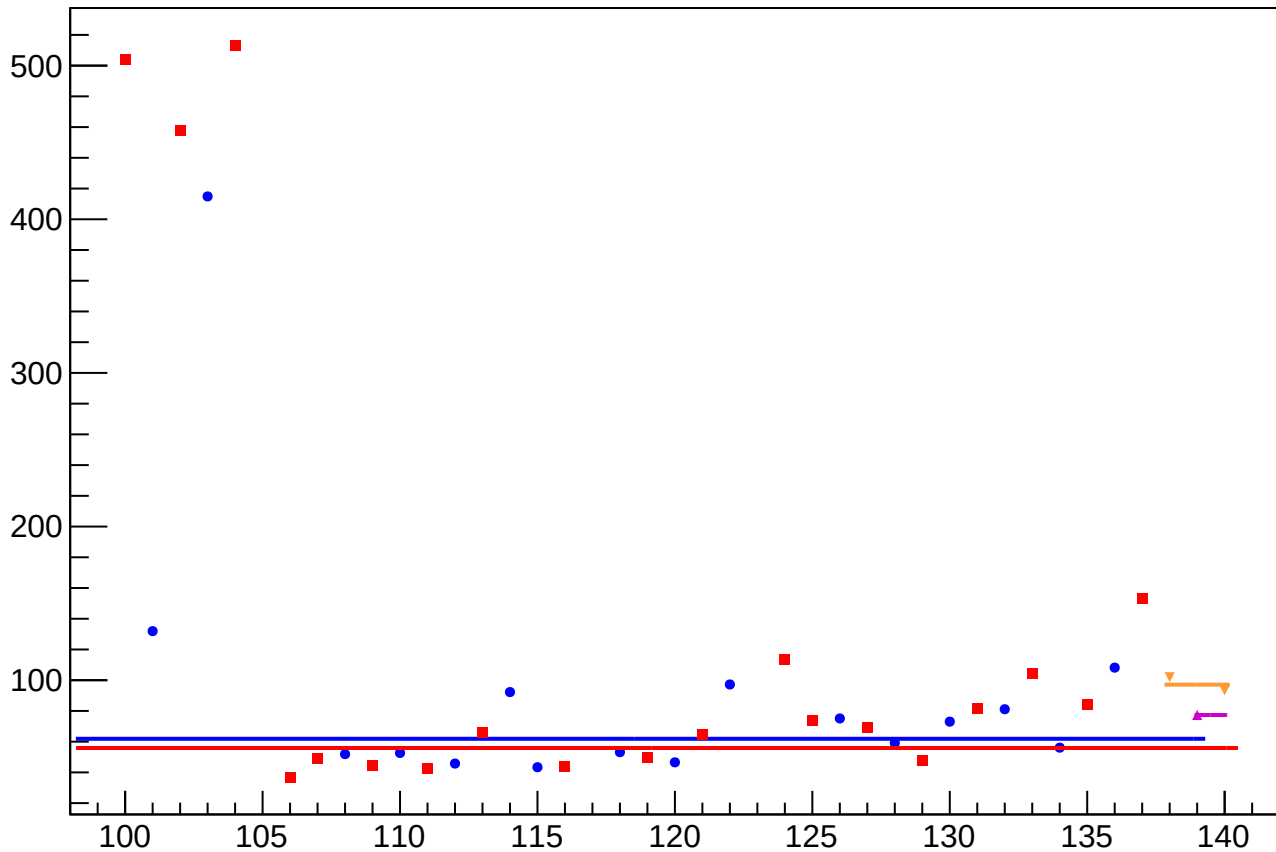
Left In: 0.075 ± 0.088 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.012 ± 0.017 χ^2/NDF : 41.8/37

- sign 0.036 ± 0.024 χ^2/NDF : 24.6/19

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875 $\pm$ 0.019 χ^2 /NDF: 1937904.4/15

Left Out: 97.111 $\pm$ 0.057 χ^2 /NDF: 5573.2/1

Right Out: 55.886 $\pm$ 0.017 χ^2 /NDF: 2591233.7/18

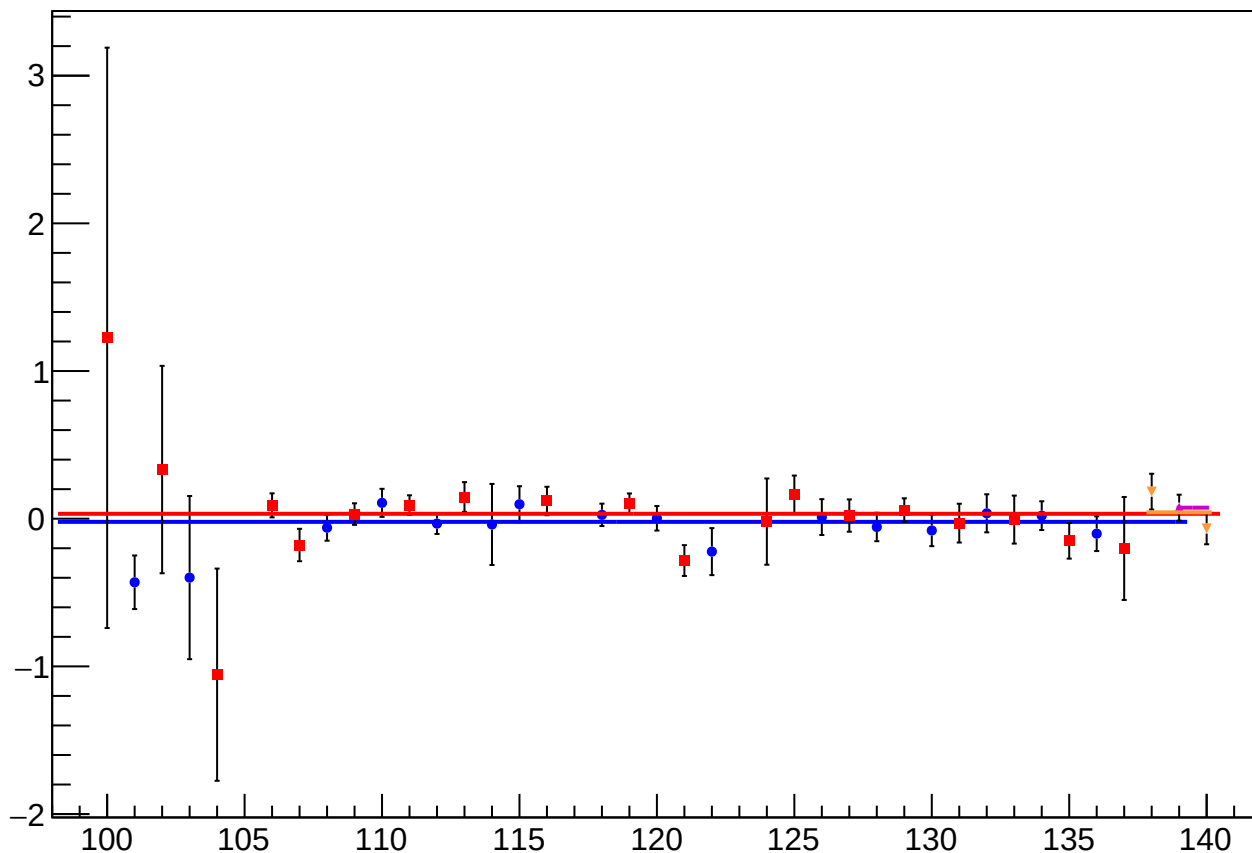
Left In: 77.358 $\pm$ 0.062 χ^2 /NDF: 0.0/0

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291744.0/17

All: 61.154 $\pm$ 0.012 χ^2 /NDF: 5098459.7/37

- sign 57.444 $\pm$ 0.017 χ^2 /NDF: 2701916.2/19

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.027 χ^2/NDF : 12.0/15

Left Out: 0.043 ± 0.080 χ^2/NDF : 2.4/1

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

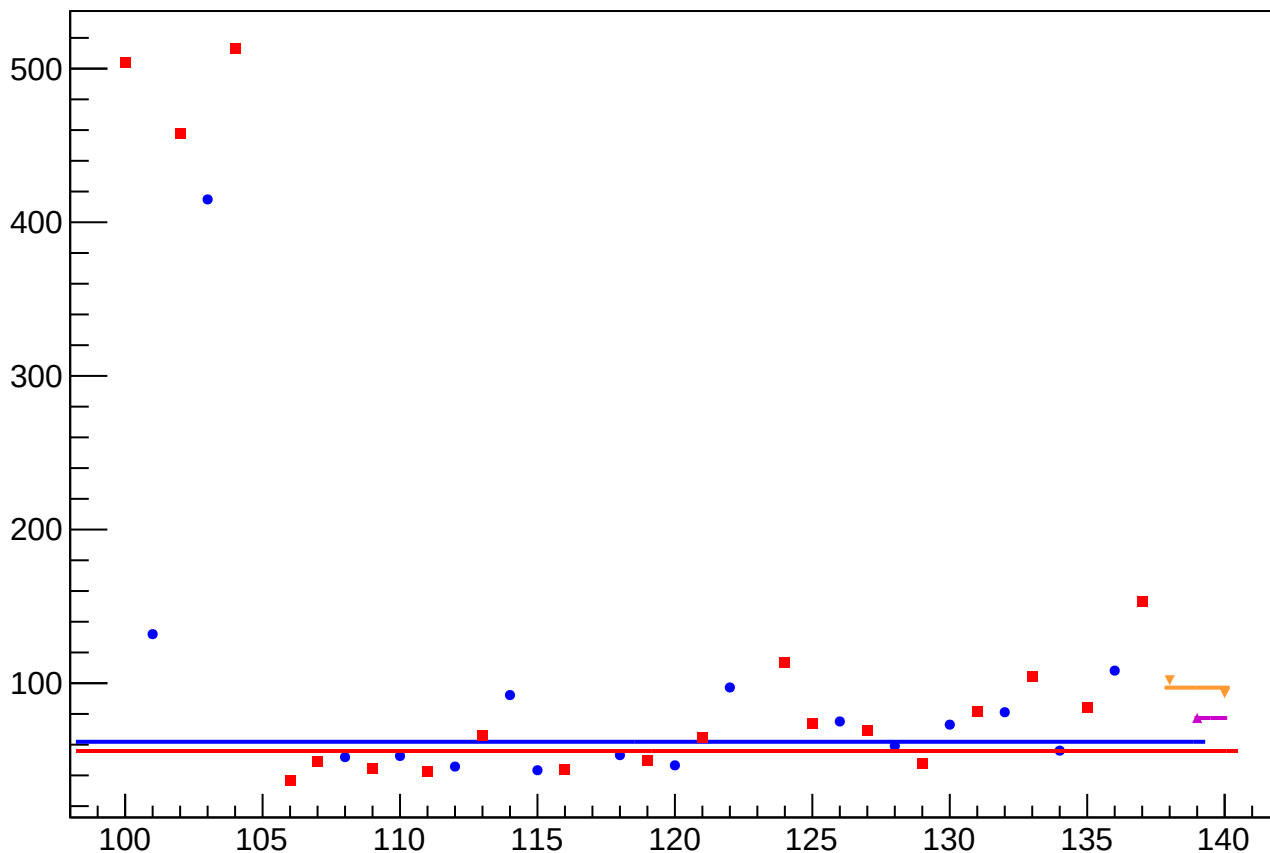
Left In: 0.075 ± 0.088 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.012 ± 0.017 χ^2/NDF : 41.8/37

- sign 0.036 ± 0.024 χ^2/NDF : 24.6/19

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.875 $\pm$ 0.019 χ^2 /NDF: 1937904.4/15

Left Out: 97.111 $\pm$ 0.057 χ^2 /NDF: 5573.2/1

Right Out: 55.886 $\pm$ 0.017 χ^2 /NDF: 2591233.7/18

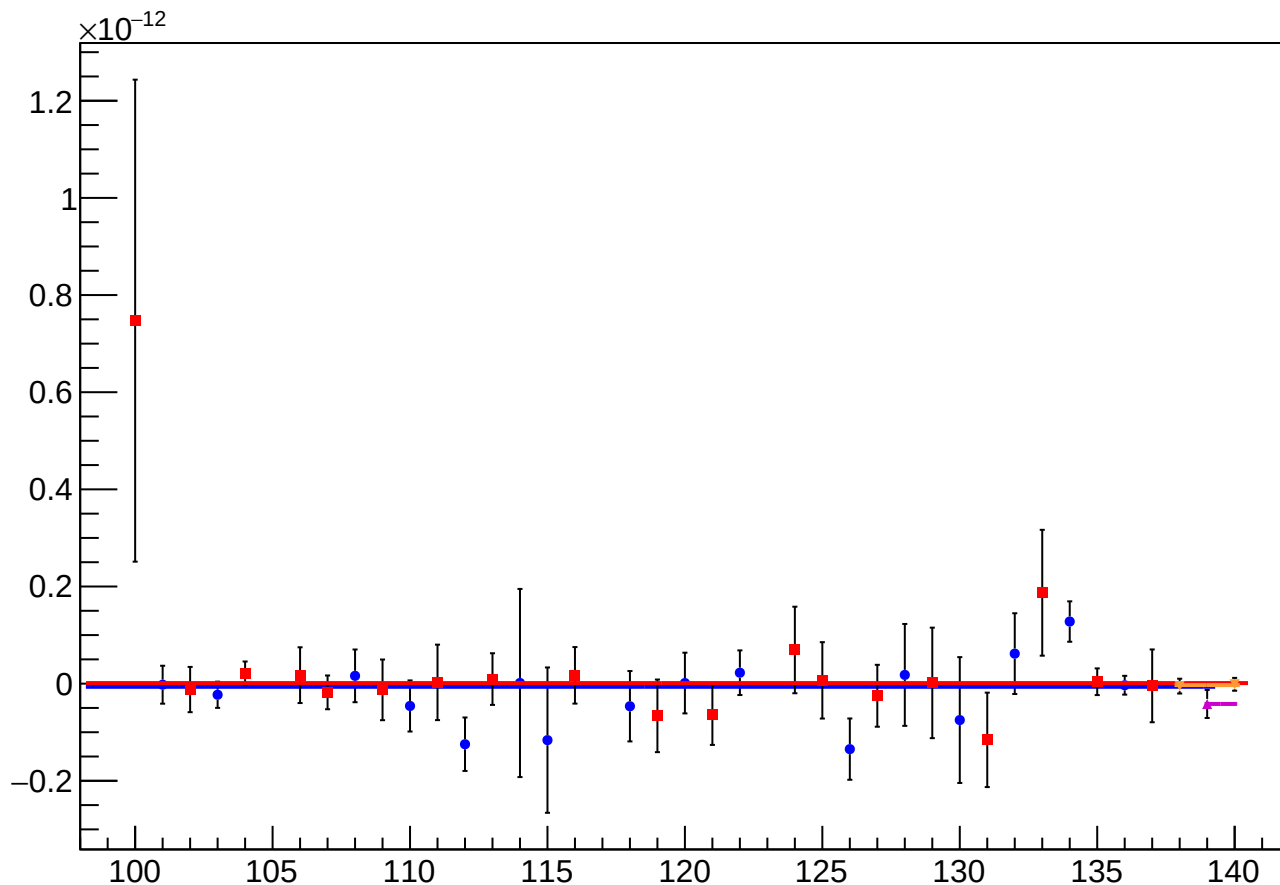
Left In: 77.358 $\pm$ 0.062 χ^2 /NDF: 0.0/0

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291744.0/17

All: 61.154 $\pm$ 0.012 χ^2 /NDF: 5098459.7/37

- sign 57.444 $\pm$ 0.017 χ^2 /NDF: 2701916.2/19

asym_usr_atr1_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 : 0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9.7/18

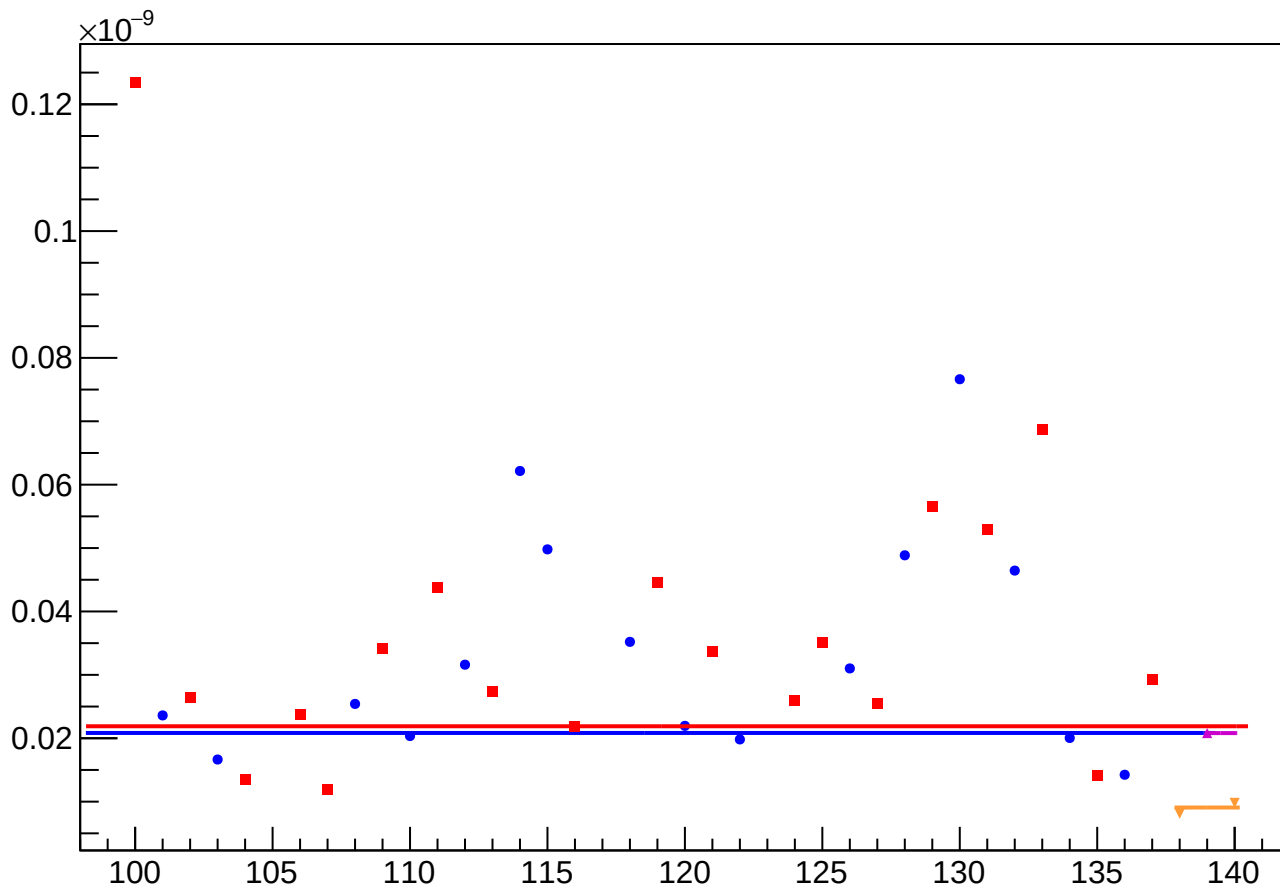
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 22.7/17

All: -0.000+/-0.000 χ^2/NDF : 34.3/37

- sign -0.000+/-0.000 χ^2/NDF : 11.6/19

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 14413.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1906656.1/18

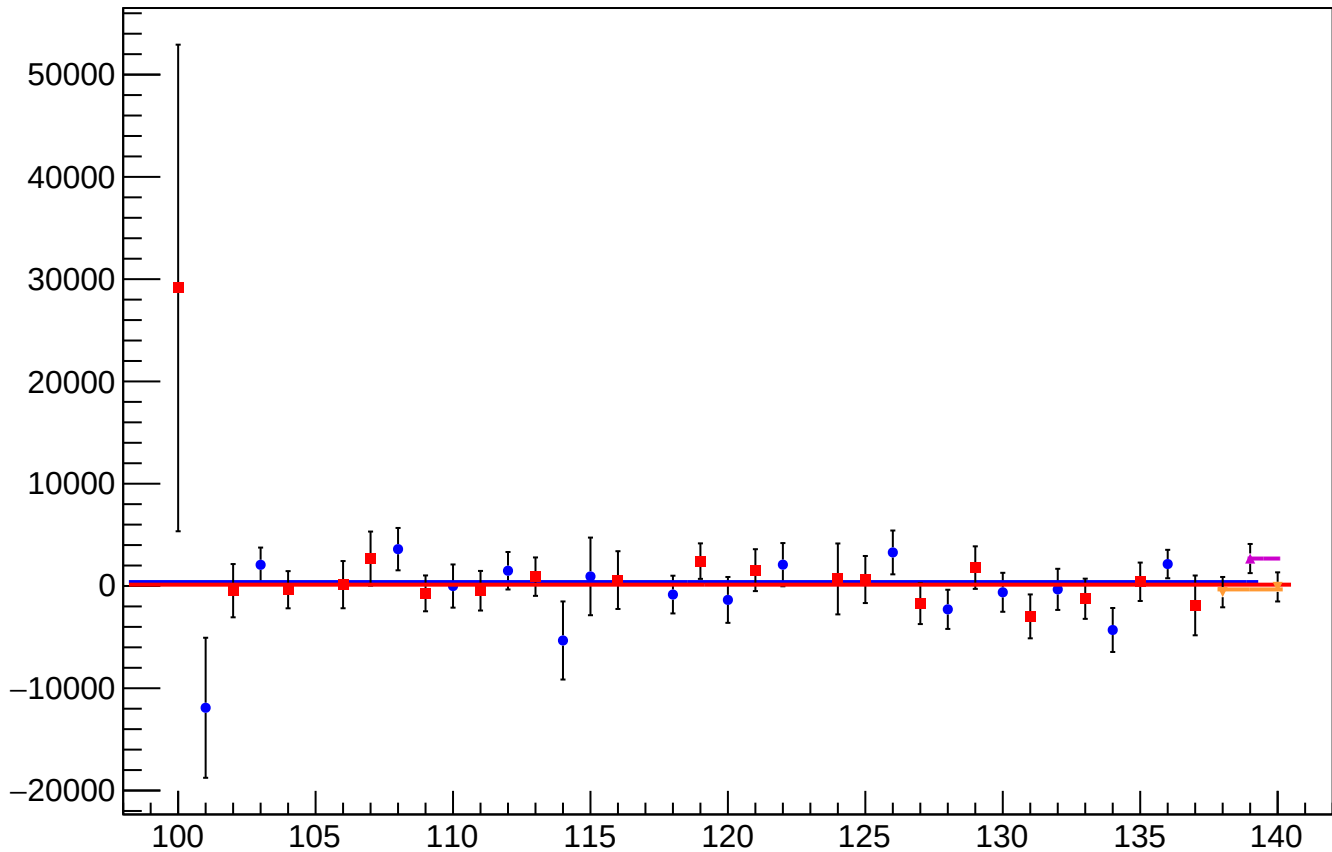
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2617126.3/17

All: 0.000+/-0.000 χ^2/NDF : 5161173.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1909040.3/19

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -336.110 $\pm$ 1027.191 χ^2 /NDF: 0.1/1

Right Out: 127.929 $\pm$ 500.988 χ^2 /NDF: 10.0/18

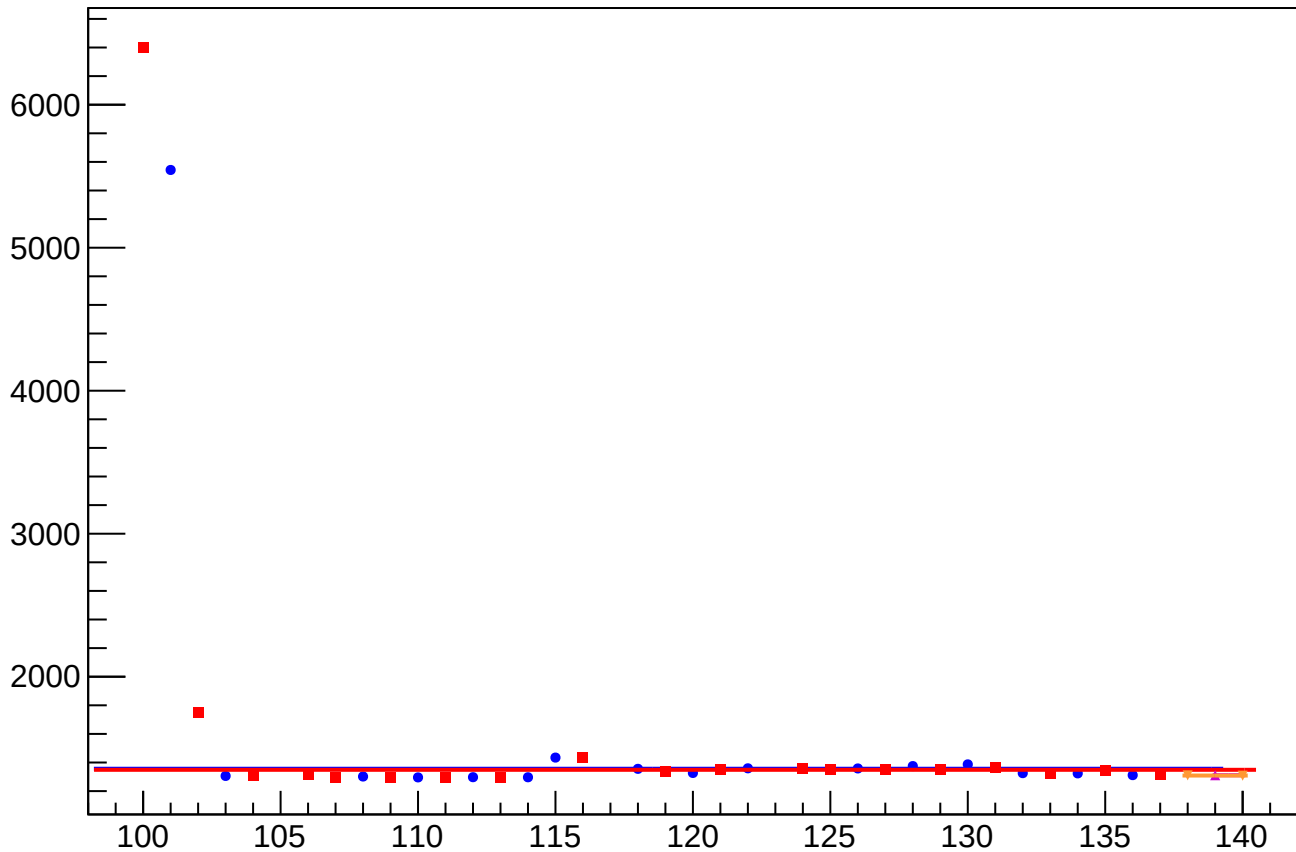
Left In: 2682.416 $\pm$ 1424.971 χ^2 /NDF: 0.0/0

+ sign 236.024 $\pm$ 462.367 χ^2 /NDF: 22.0/17

All: 320.587 $\pm$ 330.511 χ^2 /NDF: 34.9/37

- sign 408.946 $\pm$ 472.629 χ^2 /NDF: 12.8/19

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF : 760266.3/15

Left Out: 1308.908+/-0.726 χ^2/NDF : 2.4/1

Right Out: 1348.975+/-0.354 χ^2/NDF : 147265.6/18

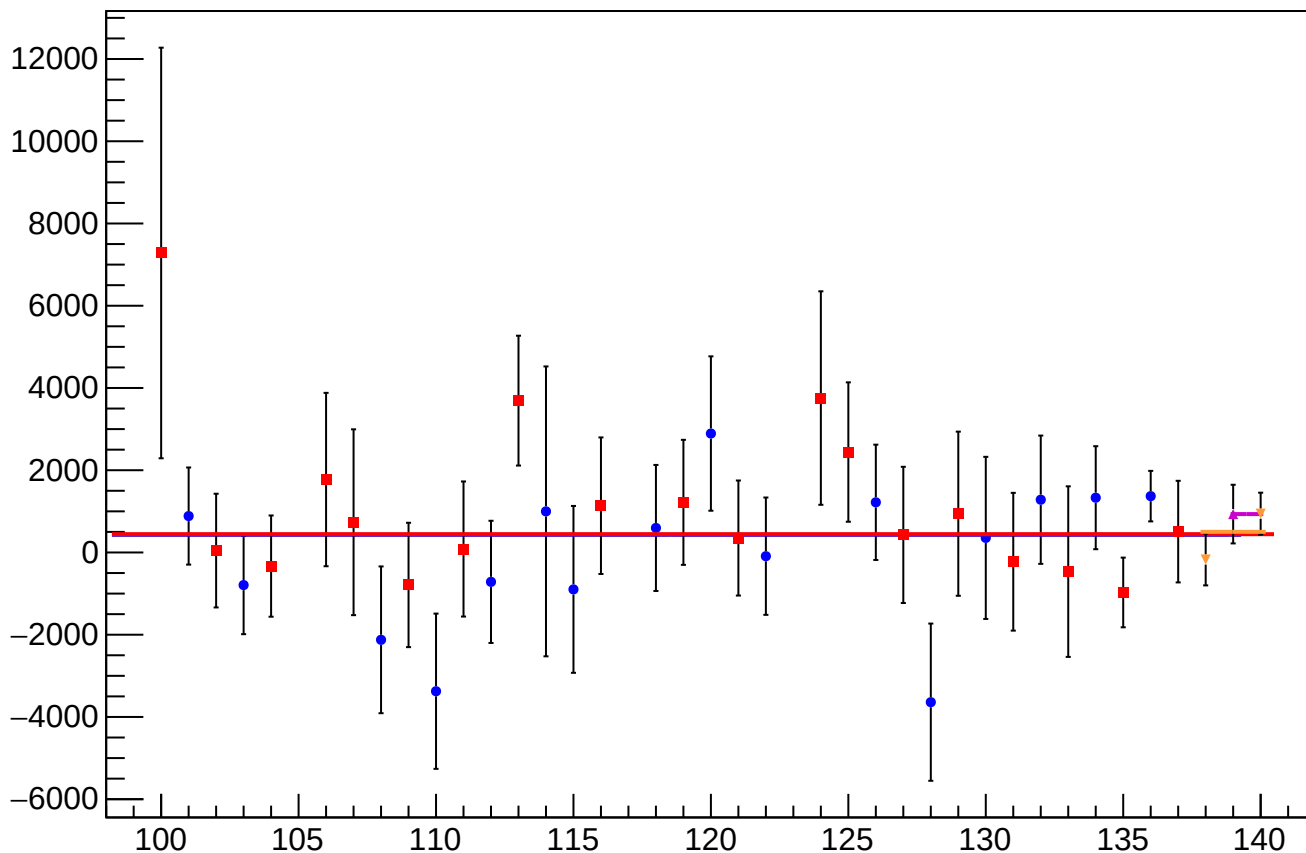
Left In: 1311.137+/-1.008 χ^2/NDF : 0.0/0

+ sign 1346.775+/-0.327 χ^2/NDF : 763677.3/17

All: 1345.815+/-0.234 χ^2/NDF : 912215.6/37

- sign 1344.812+/-0.334 χ^2/NDF : 148520.6/19

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF : 18.2/15

Left Out: 501.997+/-396.391 χ^2/NDF : 1.9/1

Right Out: 444.555+/-355.594 χ^2/NDF : 14.4/18

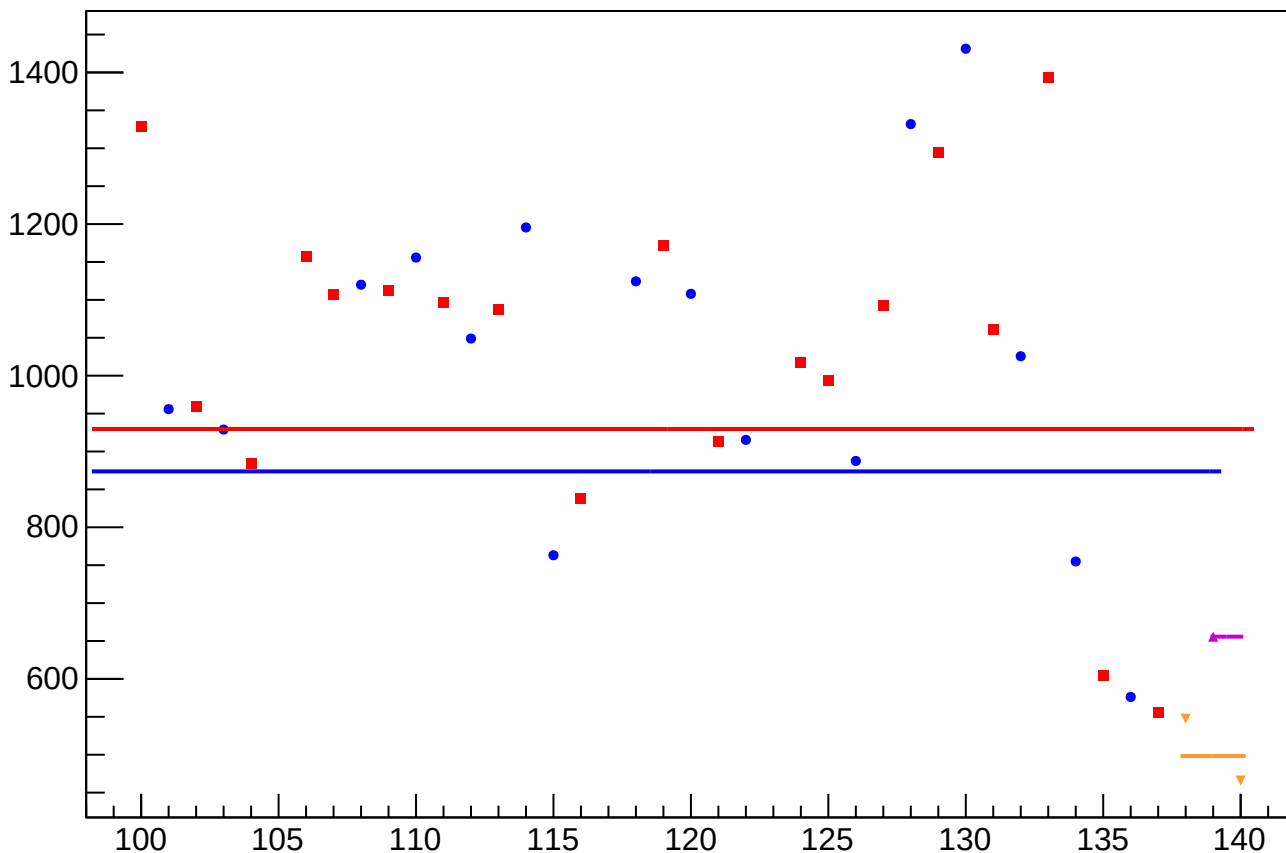
Left In: 933.356+/-713.029 χ^2/NDF : 0.0/0

+ sign 460.567+/-257.395 χ^2/NDF : 20.1/17

All: 492.739+/-200.124 χ^2/NDF : 34.9/37

- sign 541.911+/-318.217 χ^2/NDF : 14.8/19

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733 $\pm$ 0.239 χ^2 /NDF: 1014860.8/15

Left Out: 498.256 $\pm$ 0.280 χ^2 /NDF: 20237.9/1

Right Out: 929.637 $\pm$ 0.251 χ^2 /NDF: 859936.0/18

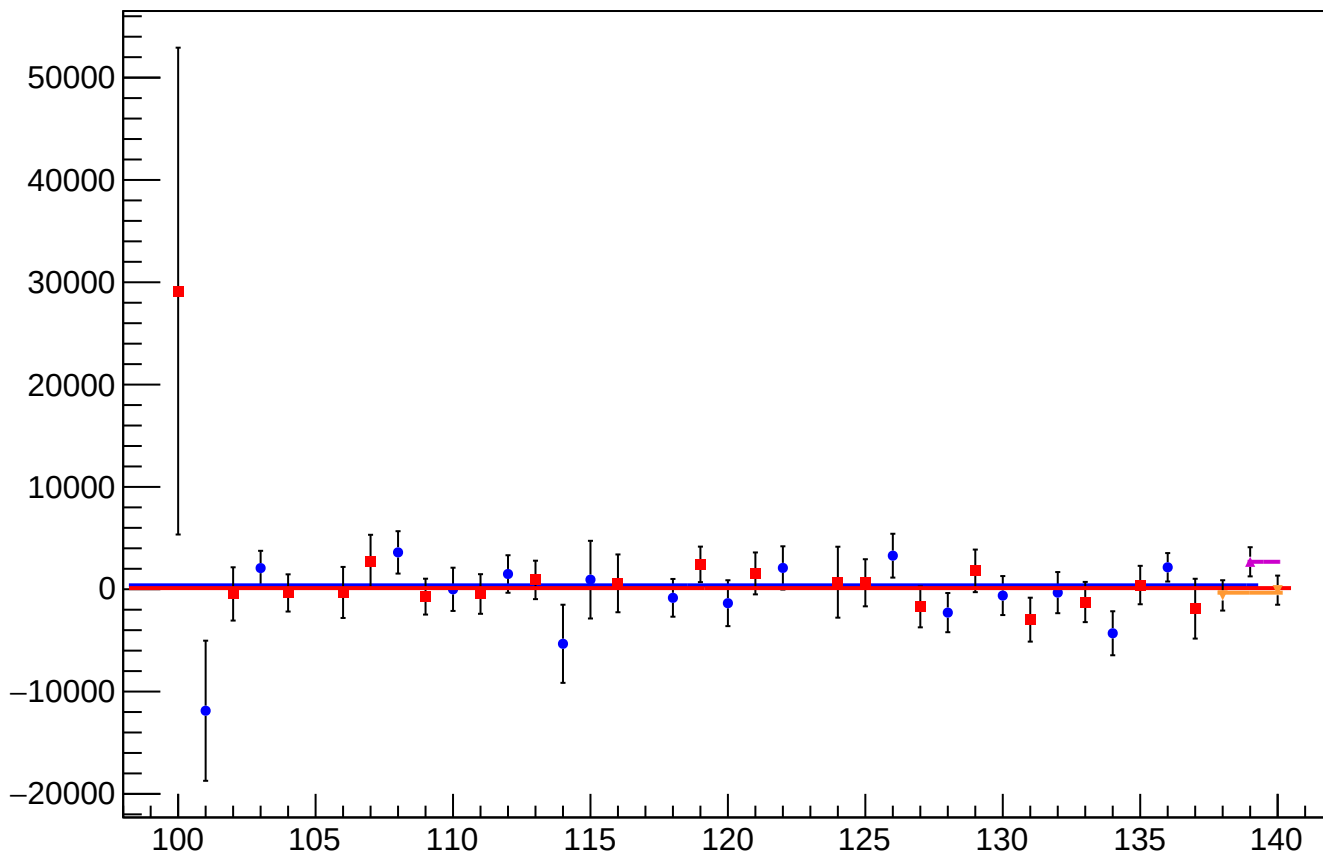
Left In: 655.731 $\pm$ 0.504 χ^2 /NDF: 0.0/0

+ sign 715.412 $\pm$ 0.182 χ^2 /NDF: 2072955.9/17

All: 778.562 $\pm$ 0.142 χ^2 /NDF: 3473626.2/37

- sign 875.082 $\pm$ 0.225 χ^2 /NDF: 1096285.4/19

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -336.111 $\pm$ 1027.191 χ^2 /NDF: 0.1/1

Right Out: 110.280 $\pm$ 502.698 χ^2 /NDF: 10.0/18

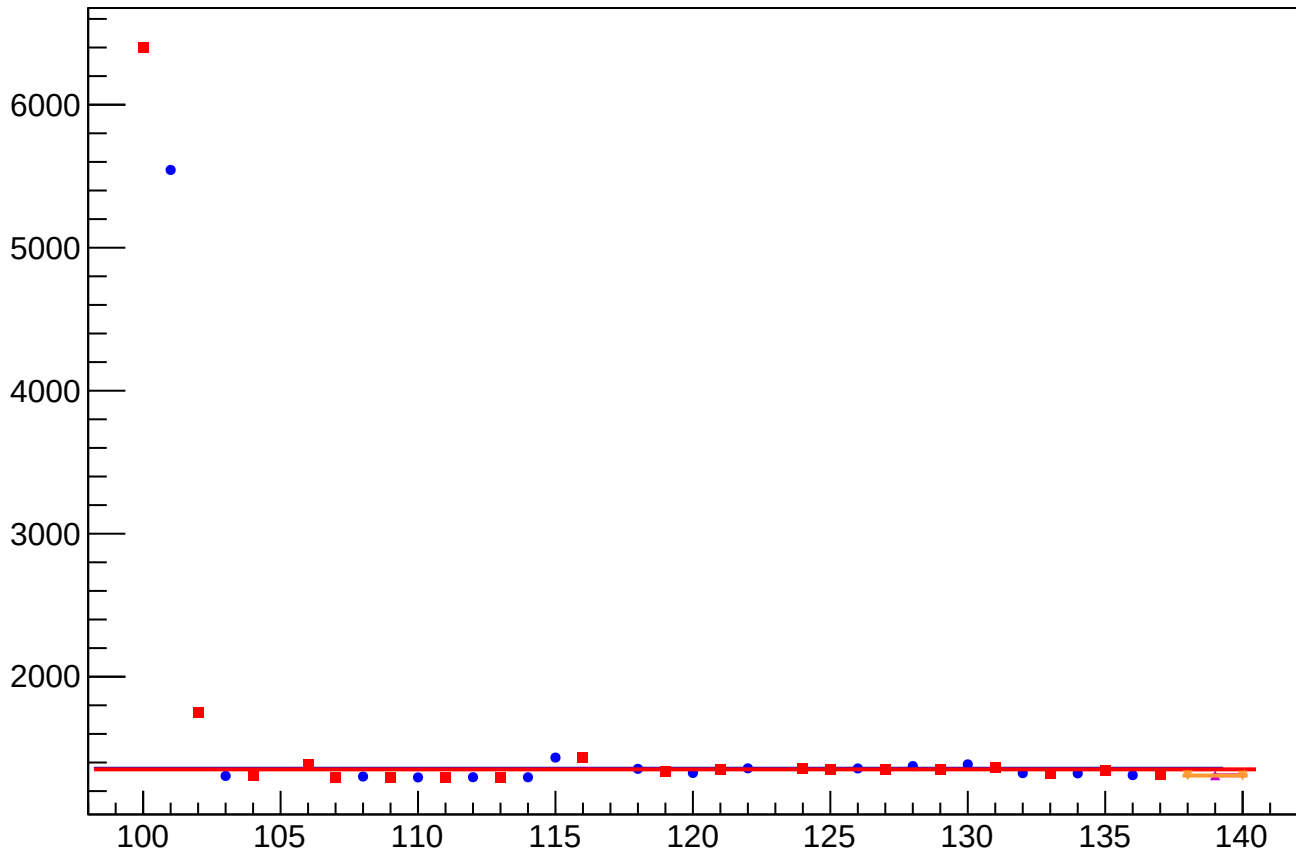
Left In: 2682.558 $\pm$ 1424.971 χ^2 /NDF: 0.0/0

+ sign 236.270 $\pm$ 462.367 χ^2 /NDF: 22.0/17

All: 313.641 $\pm$ 331.001 χ^2 /NDF: 34.9/37

- sign 394.975 $\pm$ 474.064 χ^2 /NDF: 12.9/19

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF : 760265.4/15

Left Out: 1308.908+/-0.726 χ^2/NDF : 2.3/1

Right Out: 1352.083+/-0.355 χ^2/NDF : 147326.5/18

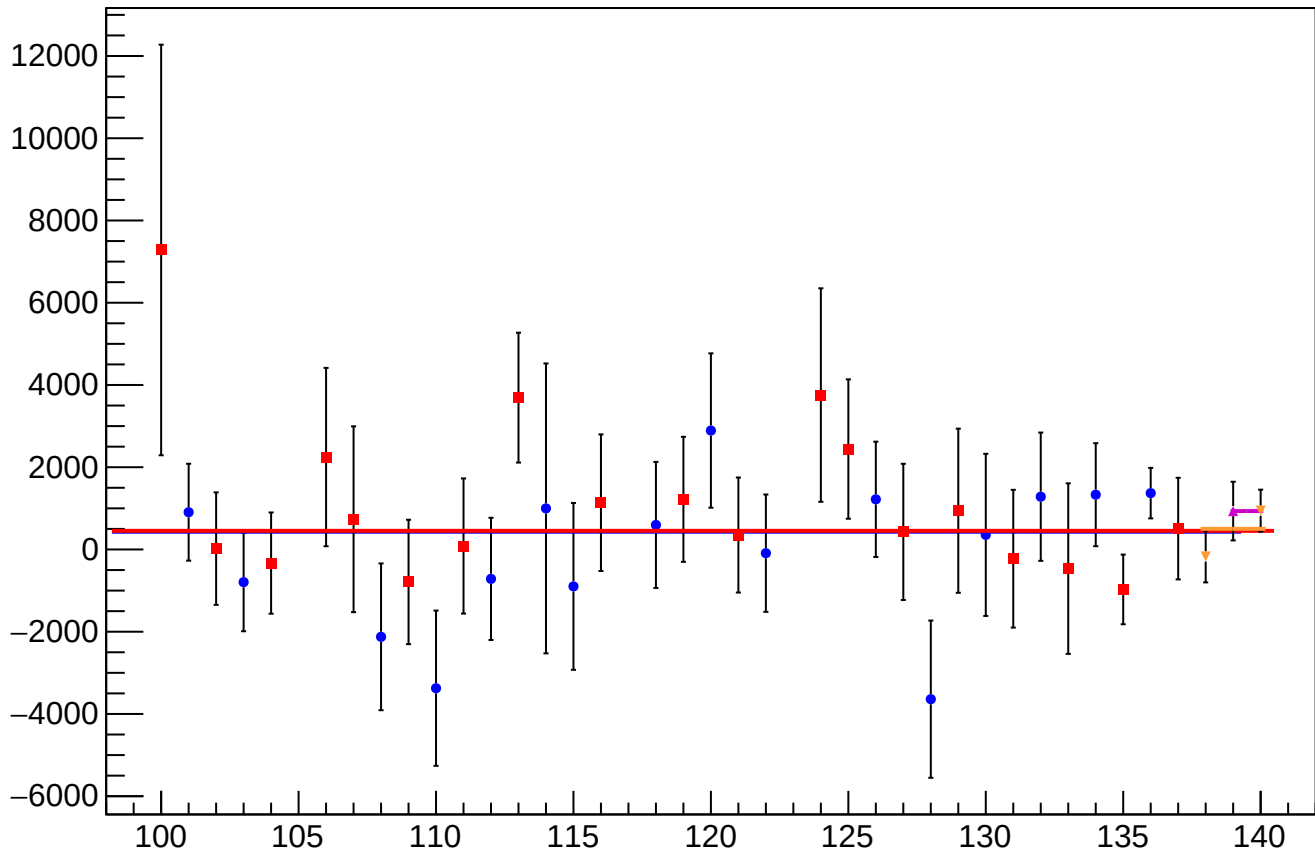
Left In: 1311.137+/-1.008 χ^2/NDF : 0.0/0

+ sign 1346.775+/-0.327 χ^2/NDF : 763676.4/17

All: 1347.154+/-0.234 χ^2/NDF : 912474.3/37

- sign 1347.552+/-0.335 χ^2/NDF : 148795.1/19

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF : 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF : 1.9/1

Right Out: 453.039+/-355.599 χ^2/NDF : 14.7/18

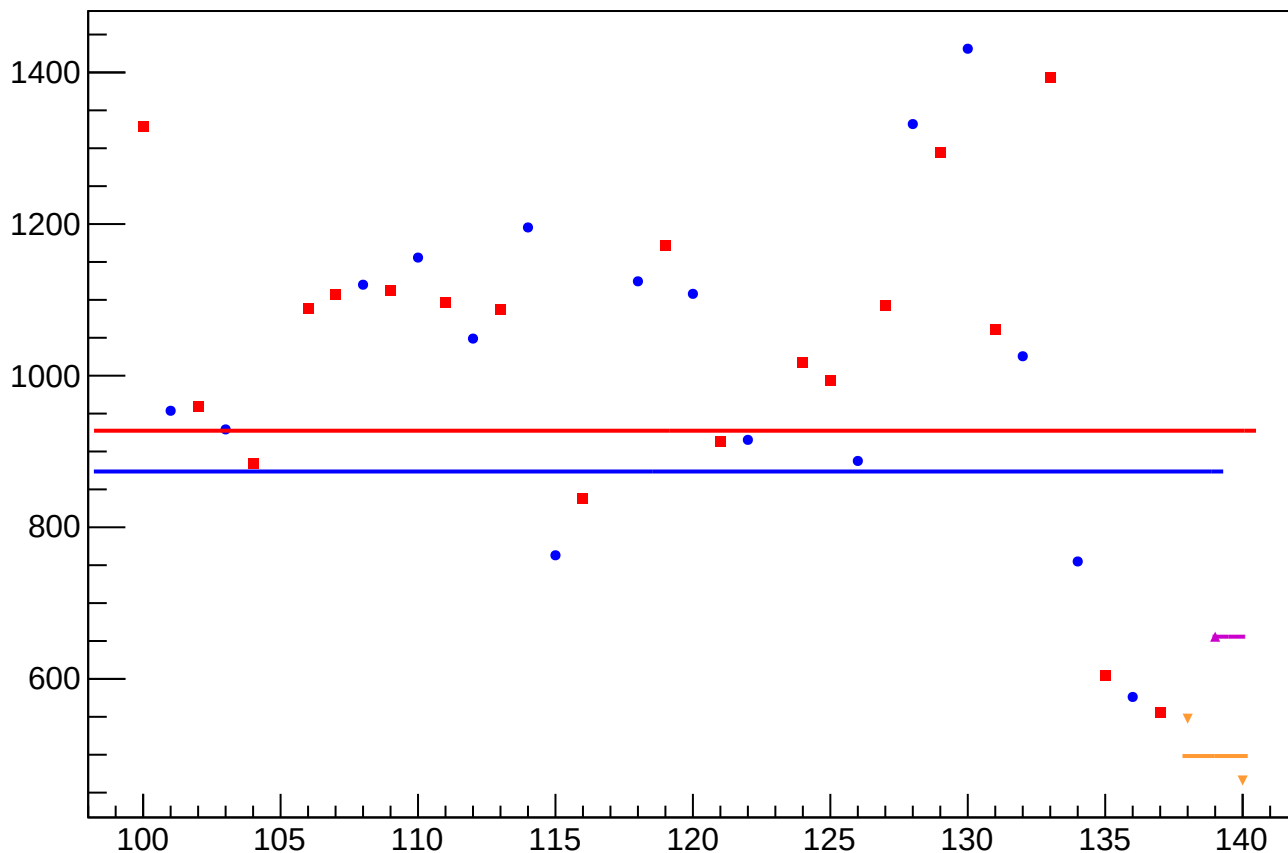
Left In: 933.541+/-713.007 χ^2/NDF : 0.0/0

+ sign 461.600+/-257.372 χ^2/NDF : 20.2/17

All: 496.064+/-200.113 χ^2/NDF : 35.3/37

- sign 548.750+/-318.219 χ^2/NDF : 15.1/19

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606 $\pm$ 0.239 χ^2 /NDF: 1014405.7/15

Left Out: 498.265 $\pm$ 0.280 χ^2 /NDF: 20240.4/1

Right Out: 927.407 $\pm$ 0.251 χ^2 /NDF: 847382.0/18

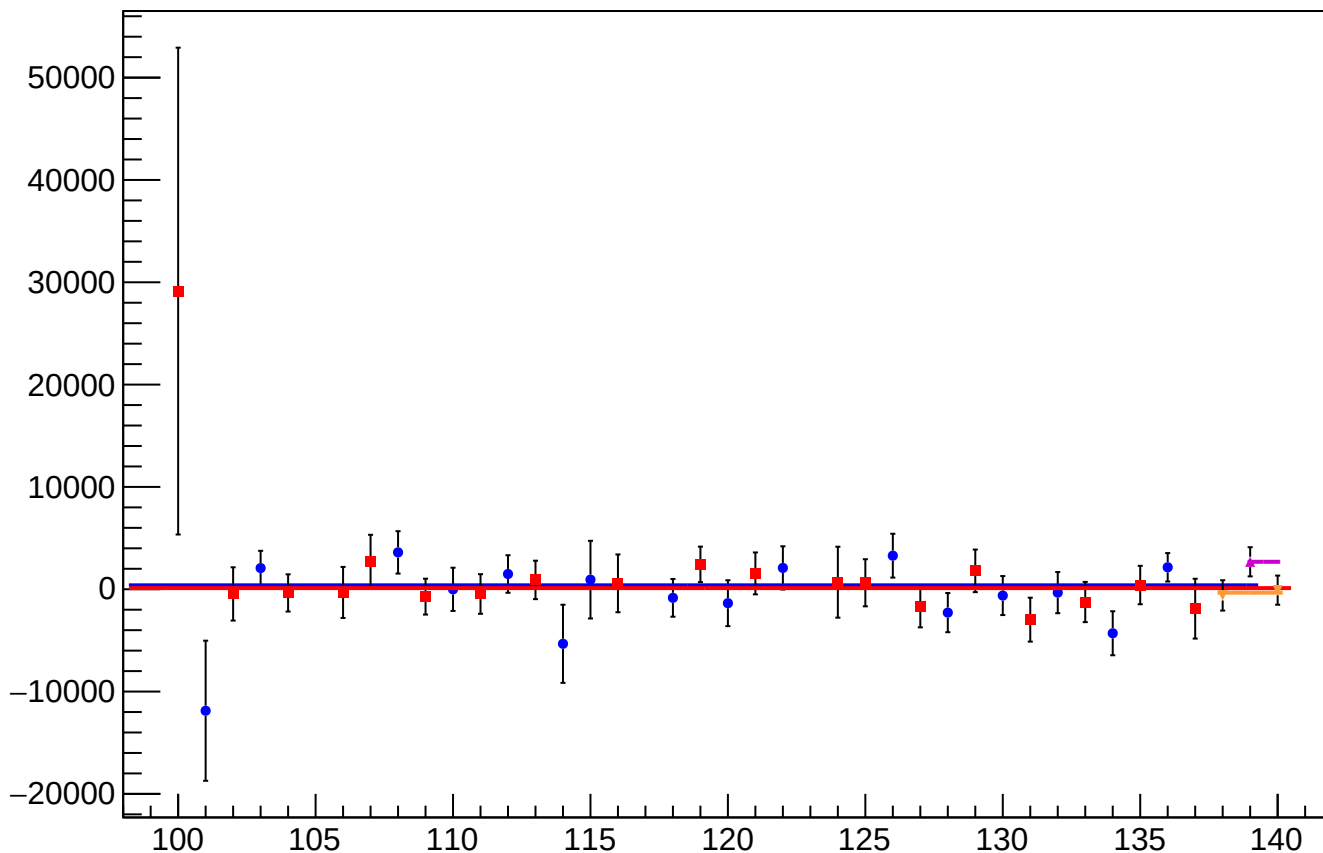
Left In: 655.710 $\pm$ 0.504 χ^2 /NDF: 0.0/0

+ sign 715.376 $\pm$ 0.182 χ^2 /NDF: 2071886.6/17

All: 777.823 $\pm$ 0.142 χ^2 /NDF: 3449573.9/37

- sign 873.288 $\pm$ 0.225 χ^2 /NDF: 1079945.5/19

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -336.111 $\pm$ 1027.191 χ^2 /NDF: 0.1/1

Right Out: 110.280 $\pm$ 502.698 χ^2 /NDF: 10.0/18

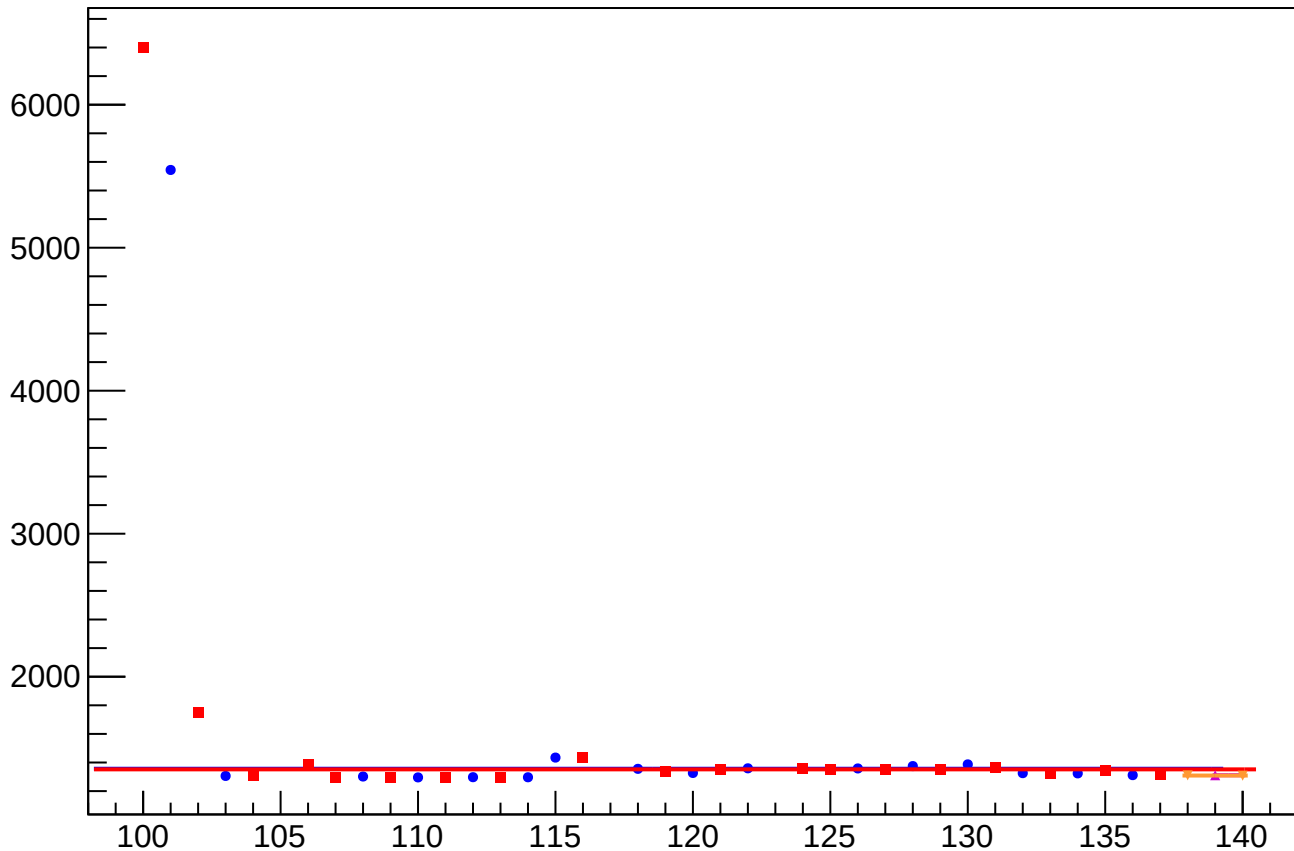
Left In: 2682.558 $\pm$ 1424.971 χ^2 /NDF: 0.0/0

+ sign 236.270 $\pm$ 462.367 χ^2 /NDF: 22.0/17

All: 313.641 $\pm$ 331.001 χ^2 /NDF: 34.9/37

- sign 394.975 $\pm$ 474.064 χ^2 /NDF: 12.9/19

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF : 760265.4/15

Left Out: 1308.908+/-0.726 χ^2/NDF : 2.3/1

+ sign 1346.775+/-0.327 χ^2/NDF : 763676.4/17

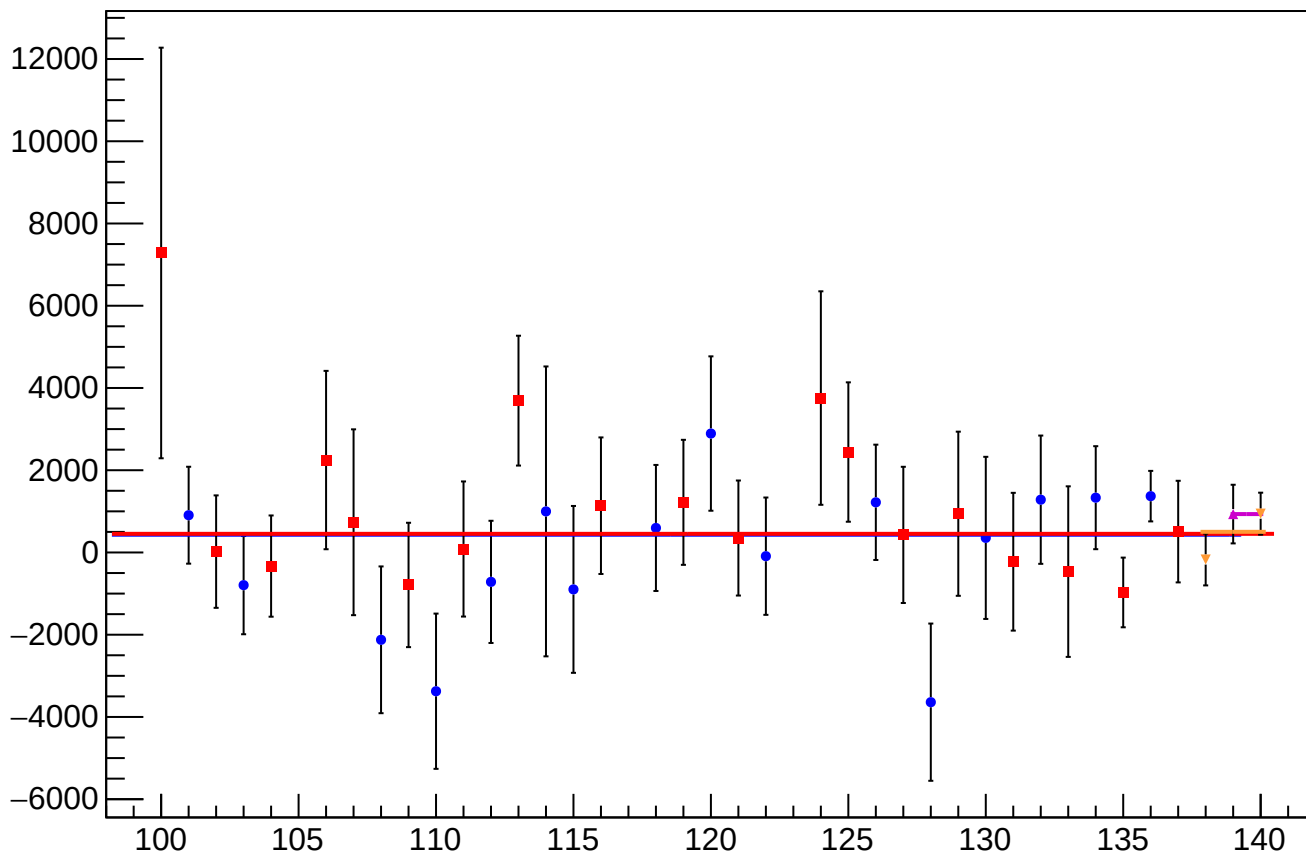
Right Out: 1352.083+/-0.355 χ^2/NDF : 147326.5/18

All: 1347.154+/-0.234 χ^2/NDF : 912474.3/37

- sign 1347.552+/-0.335 χ^2/NDF : 148795.1/19

Left In: 1311.137+/-1.008 χ^2/NDF : 0.0/0

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF : 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF : 1.9/1

Right Out: 453.039+/-355.599 χ^2/NDF : 14.7/18

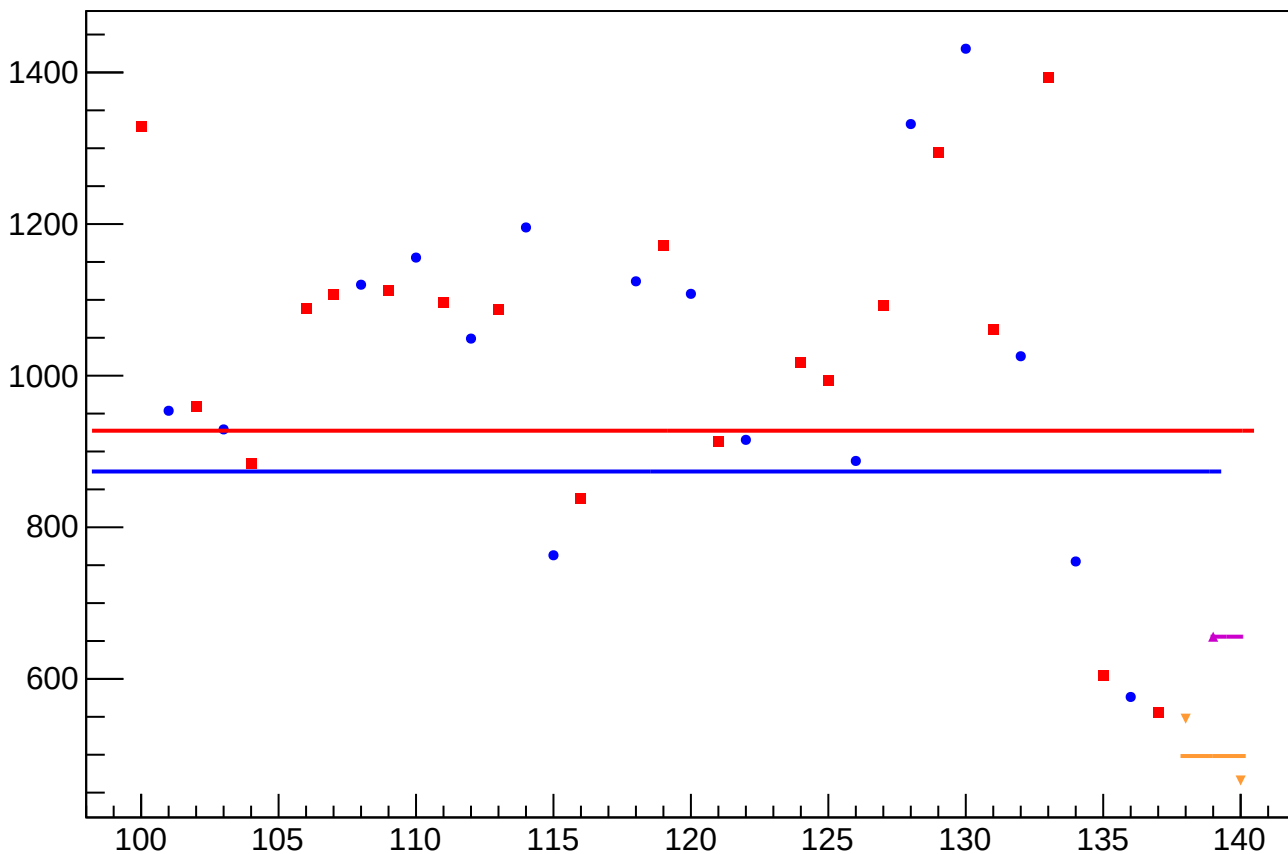
Left In: 933.541+/-713.007 χ^2/NDF : 0.0/0

+ sign 461.600+/-257.372 χ^2/NDF : 20.2/17

All: 496.064+/-200.113 χ^2/NDF : 35.3/37

- sign 548.750+/-318.219 χ^2/NDF : 15.1/19

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 873.606 $\pm$ 0.239 χ^2 /NDF: 1014405.7/15

Left Out: 498.265 $\pm$ 0.280 χ^2 /NDF: 20240.4/1

Right Out: 927.407 $\pm$ 0.251 χ^2 /NDF: 847382.0/18

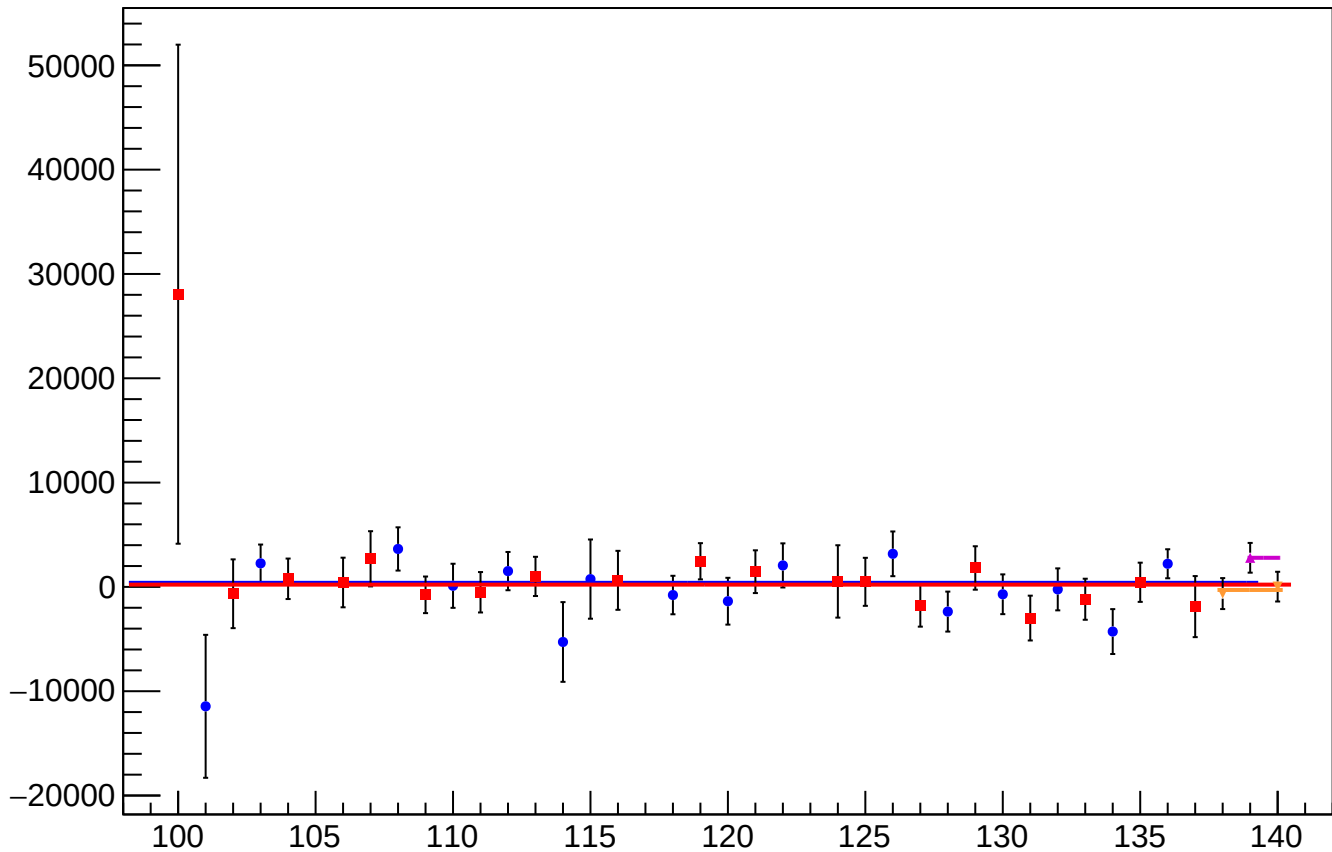
Left In: 655.710 $\pm$ 0.504 χ^2 /NDF: 0.0/0

+ sign 715.376 $\pm$ 0.182 χ^2 /NDF: 2071886.6/17

All: 777.823 $\pm$ 0.142 χ^2 /NDF: 3449573.9/37

- sign 873.288 $\pm$ 0.225 χ^2 /NDF: 1079945.5/19

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949 $\pm$ 521.159 χ^2 /NDF: 21.4/15

Left Out: -294.364 $\pm$ 1028.120 χ^2 /NDF:0.1/1

Right Out: 218.184 $\pm$ 507.927 χ^2 /NDF: 10.0/18

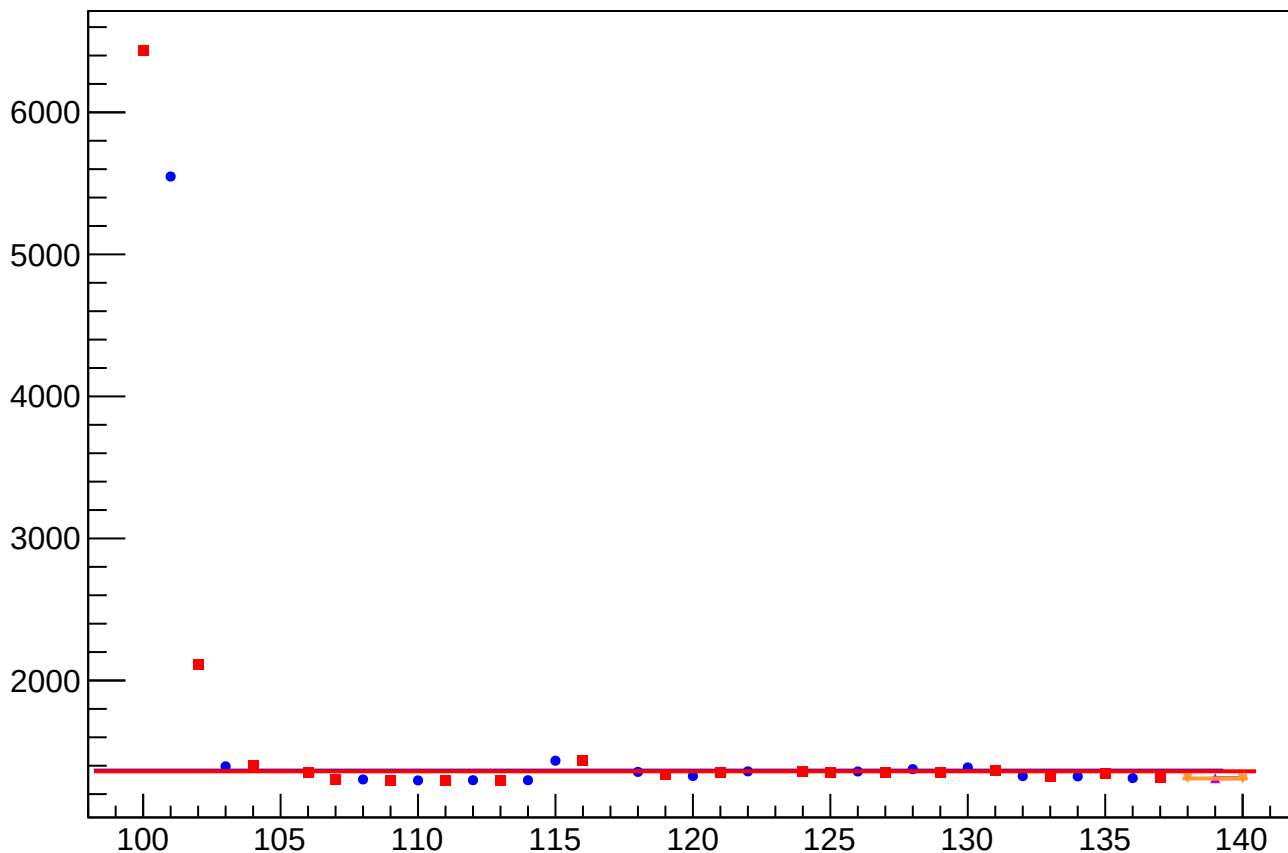
Left In: 2790.331 $\pm$ 1426.181 χ^2 /NDF:0.0/0

+ sign 250.059 $\pm$ 464.848 χ^2 /NDF: 21.8/17

All: 375.160 $\pm$ 333.415 χ^2 /NDF: 34.9/37

- sign 507.710 $\pm$ 478.488 χ^2 /NDF: 12.9/19

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF : 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF : 2.8/1

Right Out: 1360.771+/-0.359 χ^2/NDF : 205315.3/18

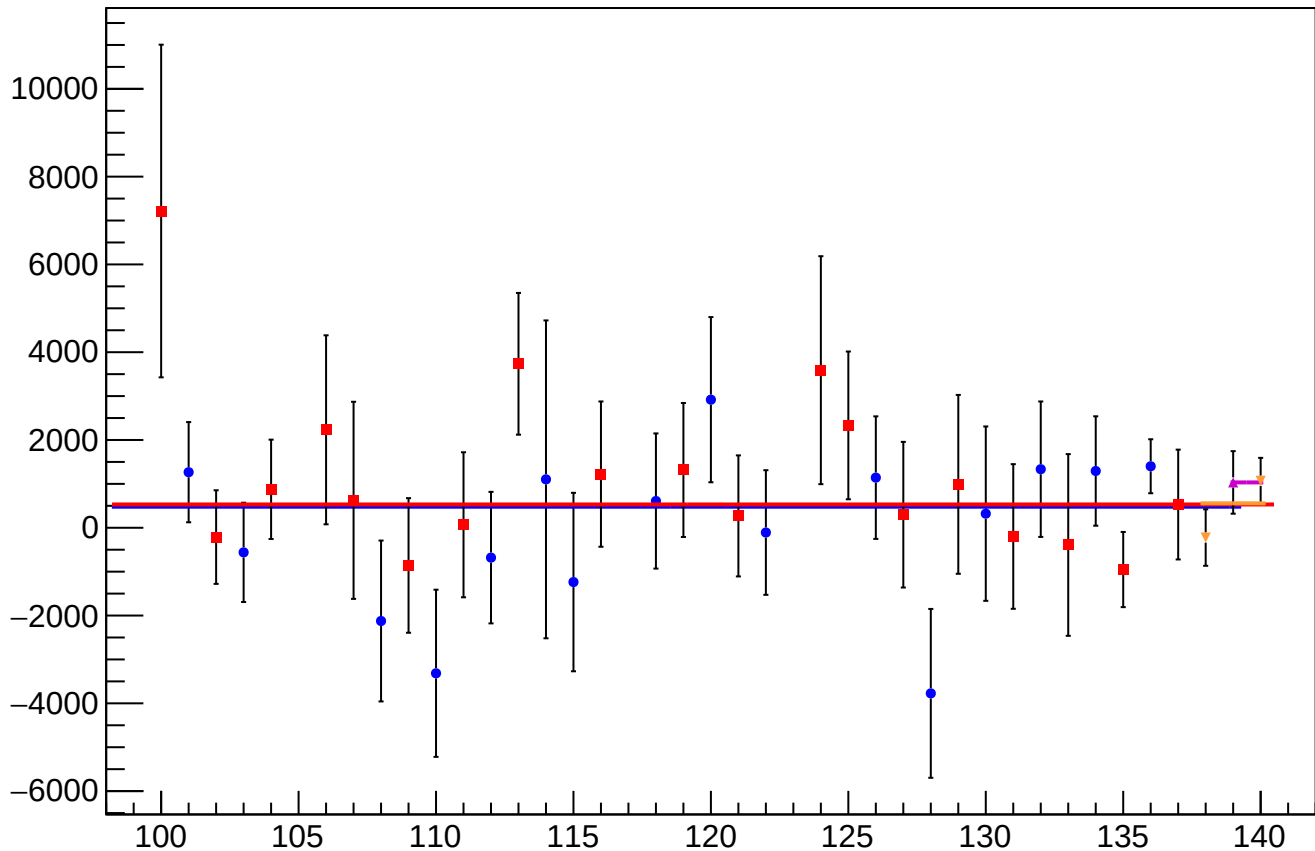
Left In: 1312.245+/-1.008 χ^2/NDF : 0.0/0

+ sign 1354.015+/-0.329 χ^2/NDF : 763536.1/17

All: 1354.643+/-0.236 χ^2/NDF : 970913.7/37

- sign 1355.308+/-0.338 χ^2/NDF : 207370.1/19

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF : 18.6/15

Left Out: 556.987+/-405.327 χ^2/NDF : 2.4/1

Right Out: 530.532+/-346.105 χ^2/NDF : 15.6/18

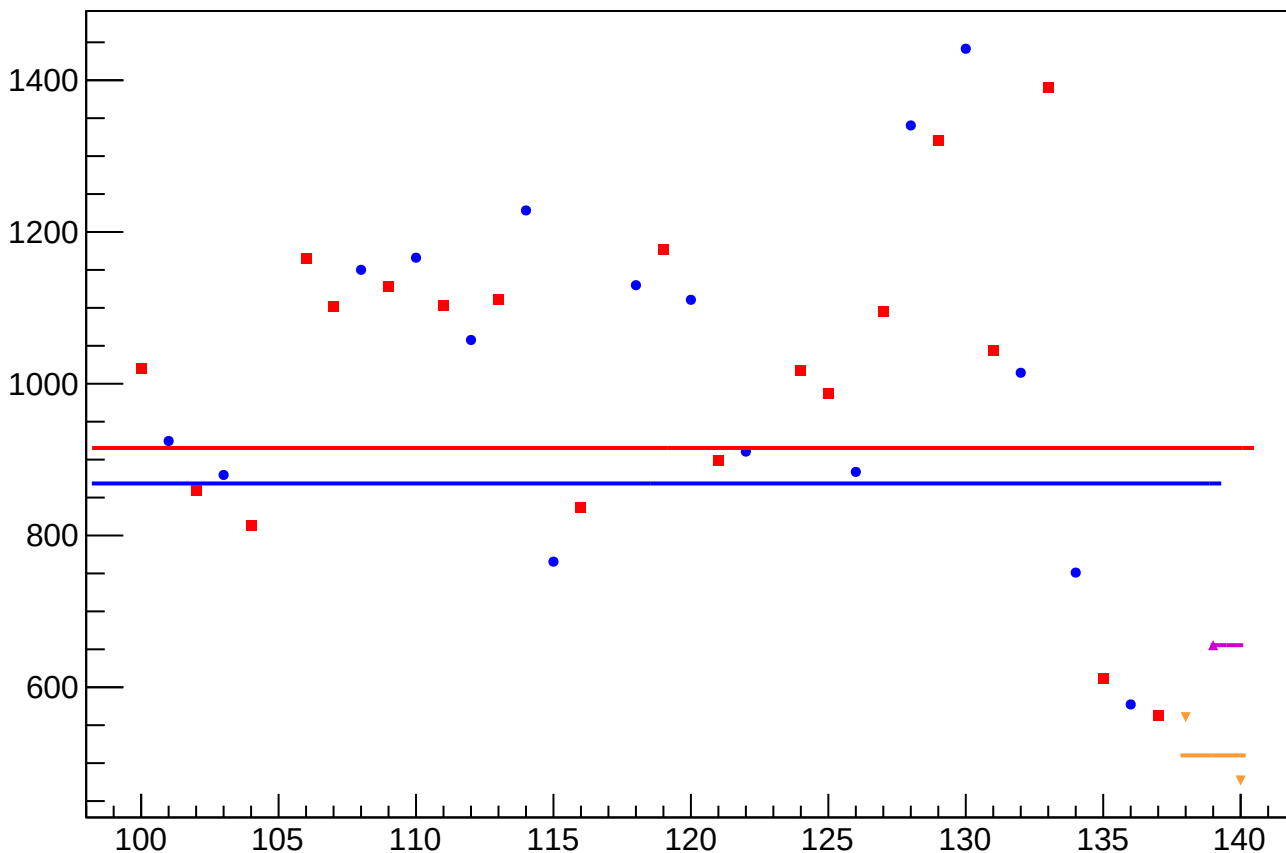
Left In: 1033.110+/-712.548 χ^2/NDF : 0.0/0

+ sign 511.652+/-258.915 χ^2/NDF : 21.1/17

All: 558.598+/-199.068 χ^2/NDF : 37.2/37

- sign 626.471+/-311.322 χ^2/NDF : 16.0/19

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF : 1021338.5/15

Left Out: 510.199+/-0.287 χ^2/NDF : 20272.9/1

Right Out: 915.360+/-0.245 χ^2/NDF : 858906.6/18

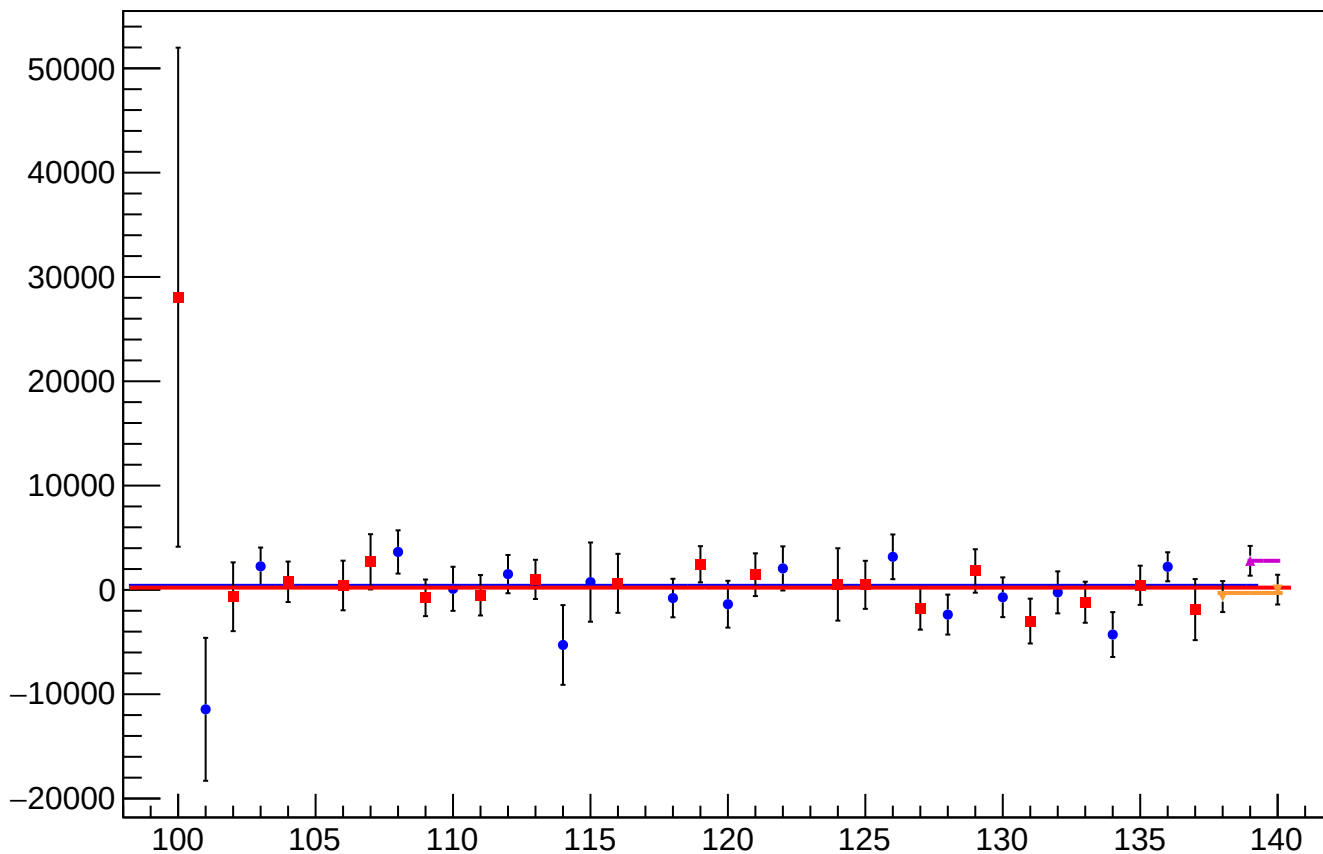
Left In: 655.457+/-0.504 χ^2/NDF : 0.0/0

+ sign 722.341+/-0.183 χ^2/NDF : 1967119.3/17

All: 780.975+/-0.141 χ^2/NDF : 3292173.4/37

- sign 865.746+/-0.220 χ^2/NDF : 1074199.6/19

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949 $\pm$ 521.159 χ^2 /NDF: 21.4/15

Left Out: -294.364 $\pm$ 1028.120 χ^2 /NDF: 0.1/1

Right Out: 218.182 $\pm$ 507.927 χ^2 /NDF: 10.0/18

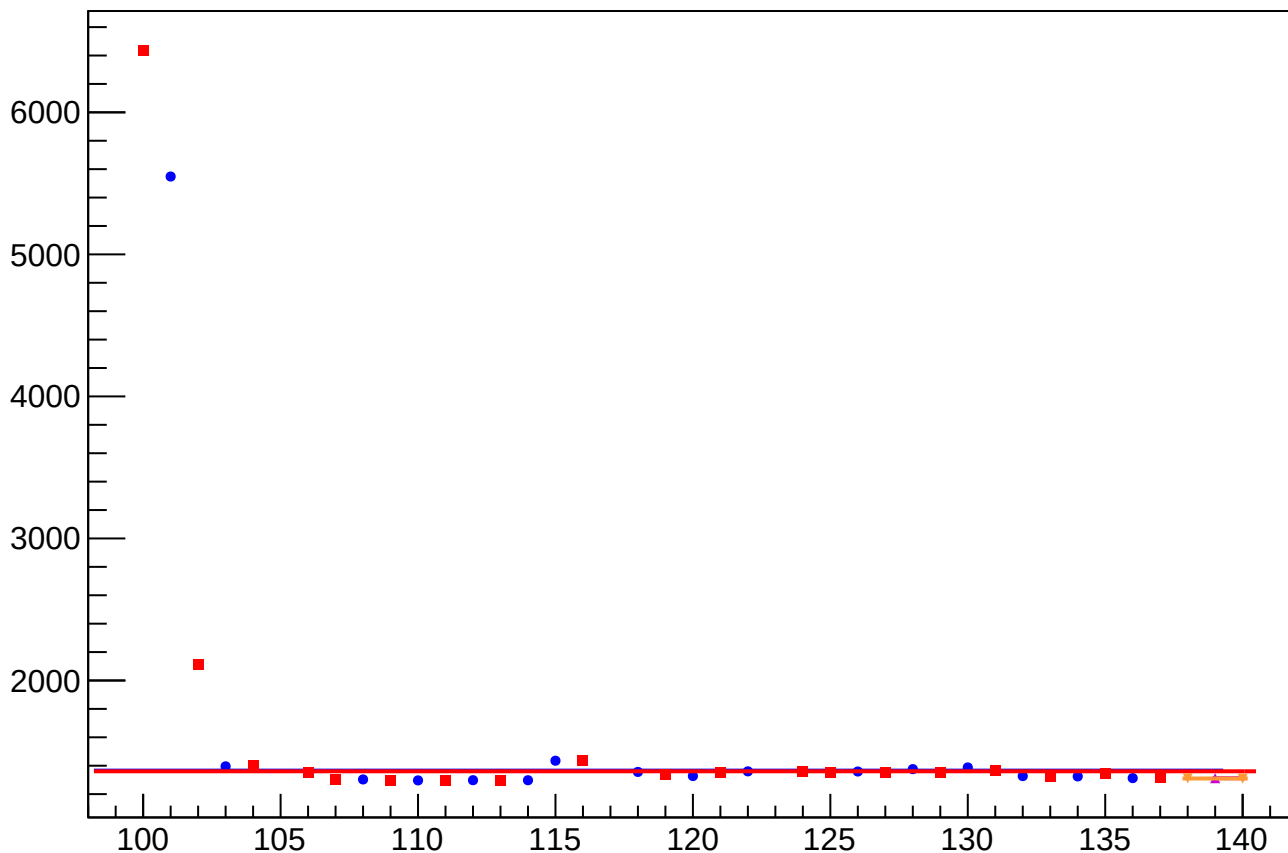
Left In: 2790.334 $\pm$ 1426.181 χ^2 /NDF: 0.0/0

+ sign 250.059 $\pm$ 464.848 χ^2 /NDF: 21.8/17

All: 375.159 $\pm$ 333.415 χ^2 /NDF: 34.9/37

- sign 507.709 $\pm$ 478.488 χ^2 /NDF: 12.9/19

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF : 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF : 2.8/1

Right Out: 1360.770+/-0.359 χ^2/NDF : 205315.2/18

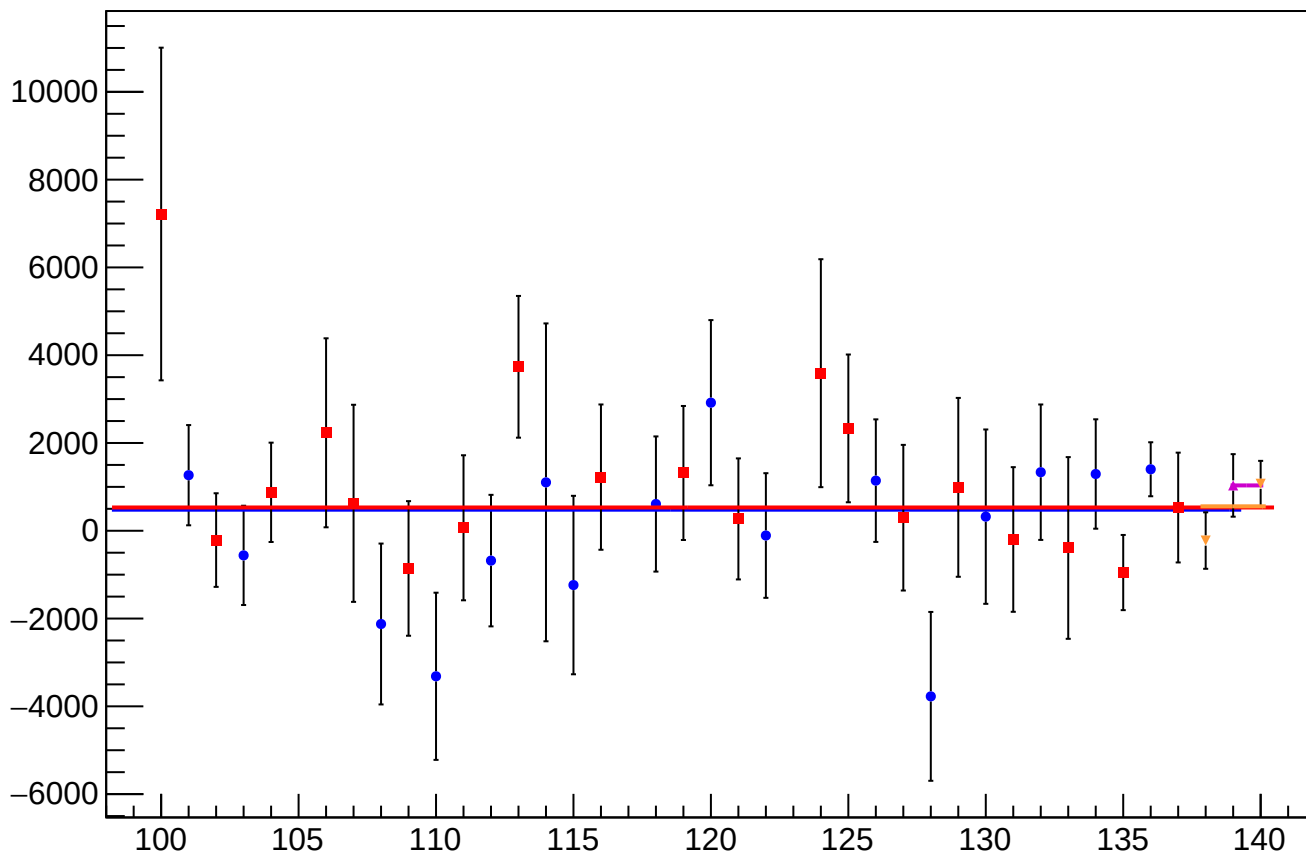
Left In: 1312.245+/-1.008 χ^2/NDF : 0.0/0

+ sign 1354.015+/-0.329 χ^2/NDF : 763536.1/17

All: 1354.643+/-0.236 χ^2/NDF : 970913.6/37

- sign 1355.308+/-0.338 χ^2/NDF : 207370.0/19

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF : 18.6/15

Left Out: 556.991+/-405.327 χ^2/NDF : 2.4/1

Right Out: 530.531+/-346.104 χ^2/NDF : 15.6/18

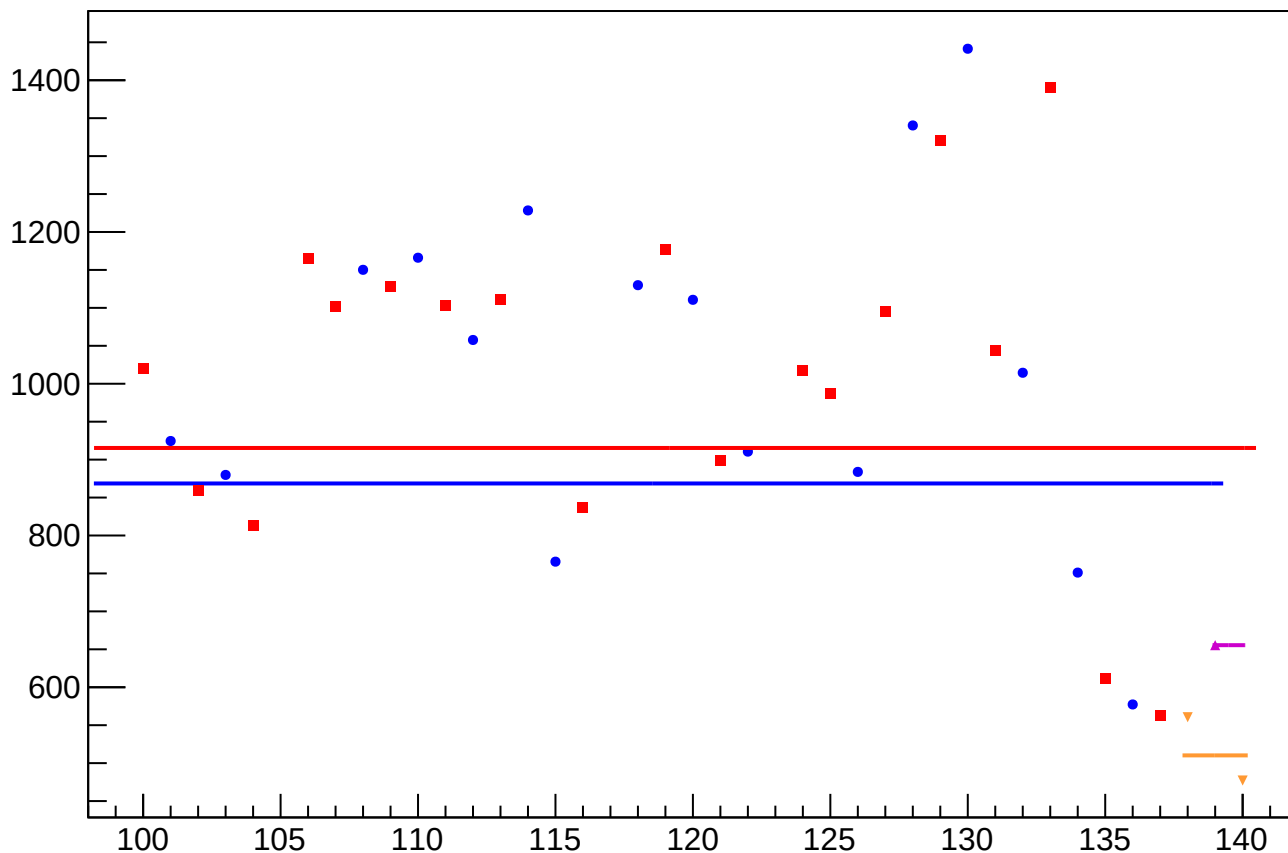
Left In: 1033.114+/-712.551 χ^2/NDF : 0.0/0

+ sign 511.652+/-258.915 χ^2/NDF : 21.1/17

All: 558.597+/-199.067 χ^2/NDF : 37.2/37

- sign 626.471+/-311.322 χ^2/NDF : 16.0/19

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF : 1021337.1/15

Left Out: 510.199+/-0.287 χ^2/NDF : 20274.4/1

Right Out: 915.358+/-0.245 χ^2/NDF : 858906.3/18

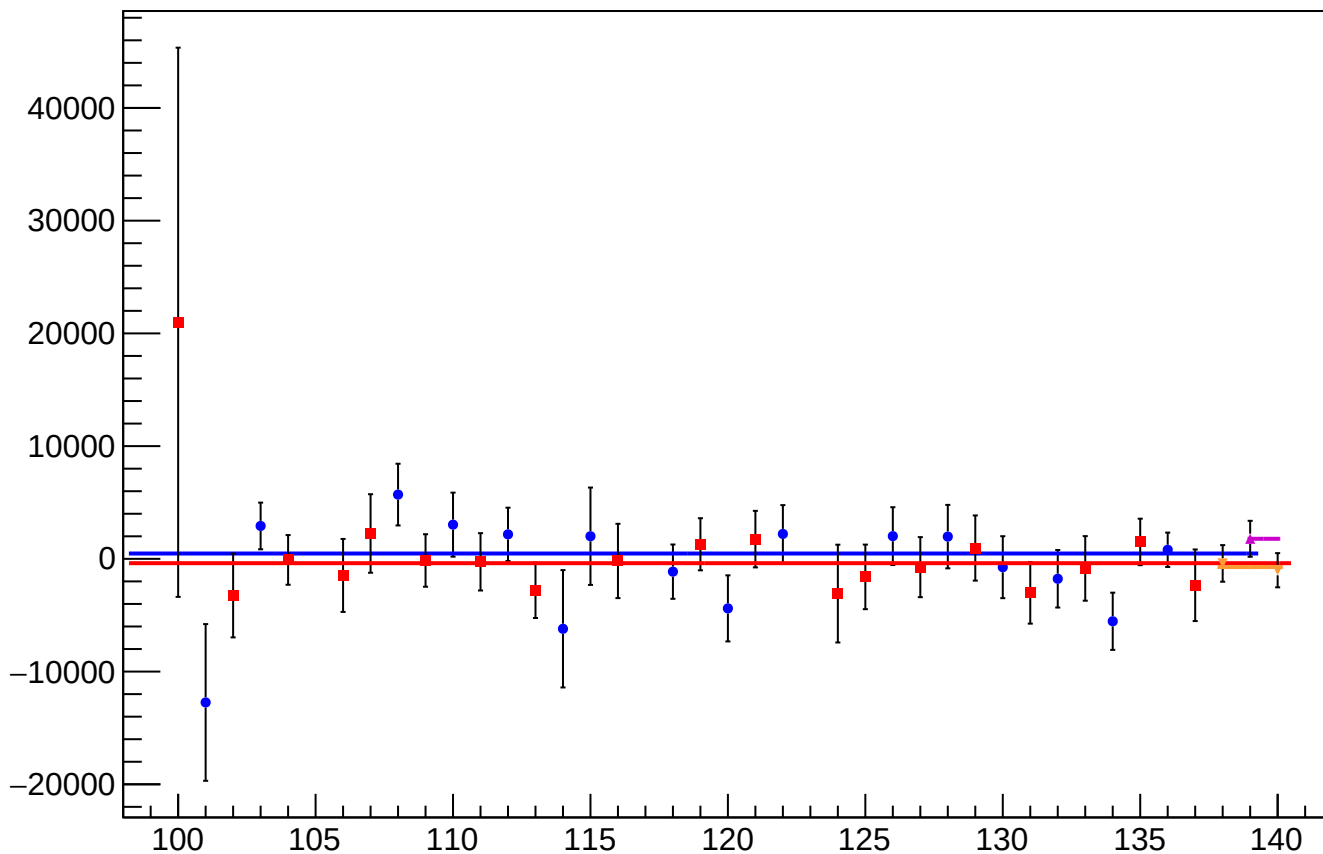
Left In: 655.460+/-0.504 χ^2/NDF : 0.0/0

+ sign 722.341+/-0.183 χ^2/NDF : 1967108.6/17

All: 780.974+/-0.141 χ^2/NDF : 3292155.7/37

- sign 865.746+/-0.220 χ^2/NDF : 1074190.5/19

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494 $\pm$ 649.243 χ^2 /NDF: 22.7/15

Left Out: -728.197 $\pm$ 1108.259 χ^2 /NDF: 0.1/1

Right Out: -384.785 $\pm$ 641.994 χ^2 /NDF: 7.3/18

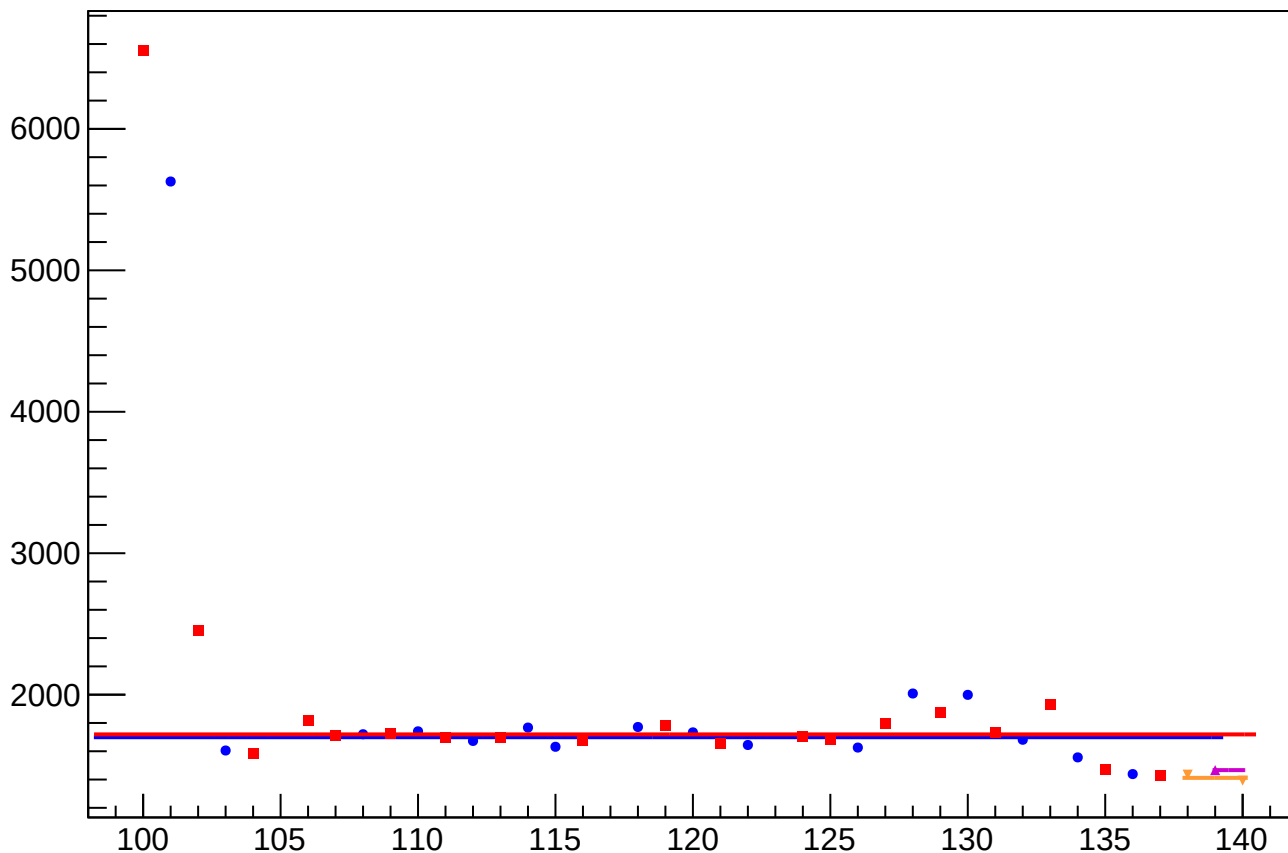
Left In: 1780.051 $\pm$ 1594.022 χ^2 /NDF: 0.0/0

+ sign 166.459 $\pm$ 560.194 χ^2 /NDF: 23.6/17

All: 49.514 $\pm$ 408.031 χ^2 /NDF: 32.6/37

- sign -82.641 $\pm$ 595.510 χ^2 /NDF: 8.8/19

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF : 762097.7/15

Left Out: 1411.797+/-0.784 χ^2/NDF : 717.5/1

Right Out: 1719.103+/-0.454 χ^2/NDF : 233751.6/18

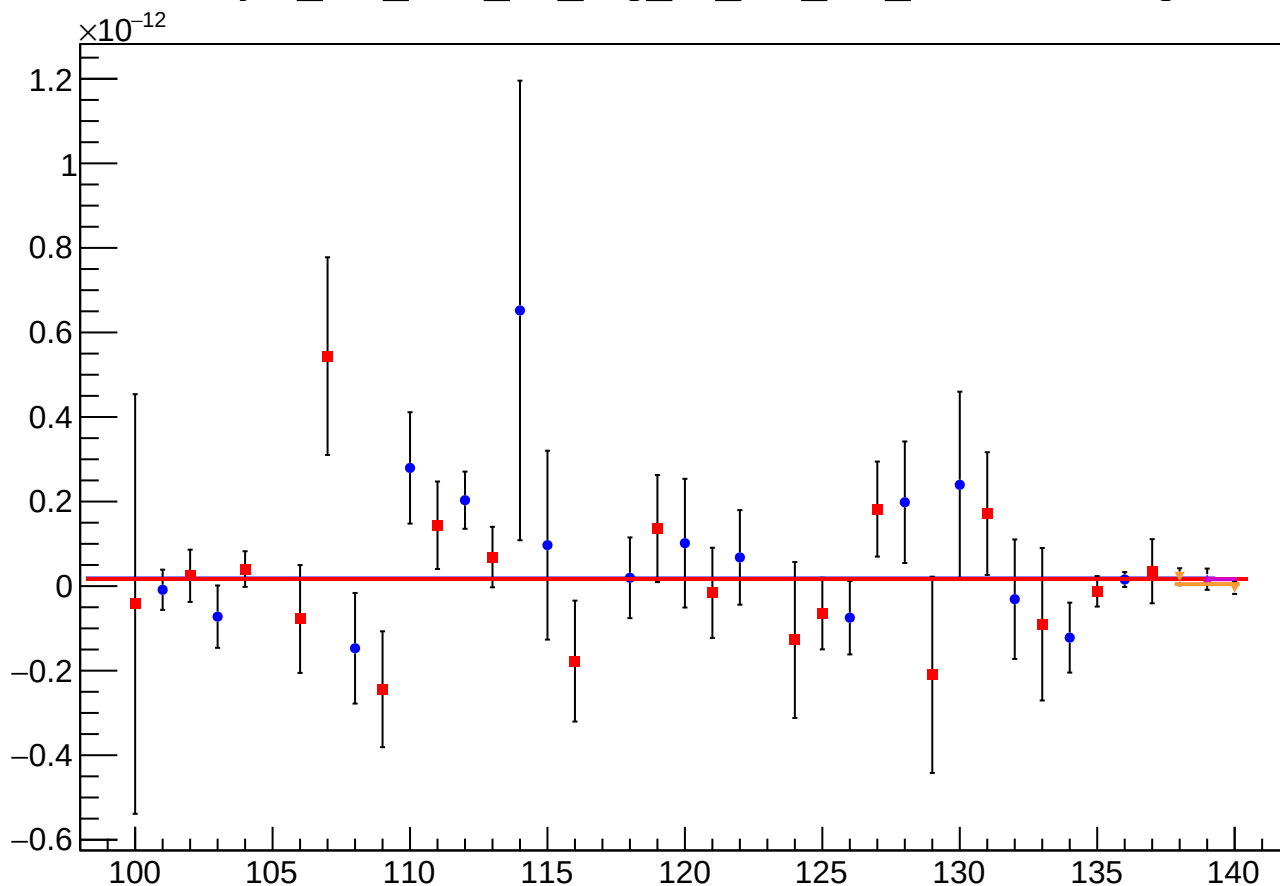
Left In: 1466.671+/-1.127 χ^2/NDF : 0.0/0

+ sign 1625.864+/-0.396 χ^2/NDF : 863042.2/17

All: 1653.097+/-0.289 χ^2/NDF : 1150017.6/37

- sign 1683.871+/-0.421 χ^2/NDF : 276907.9/19

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/18

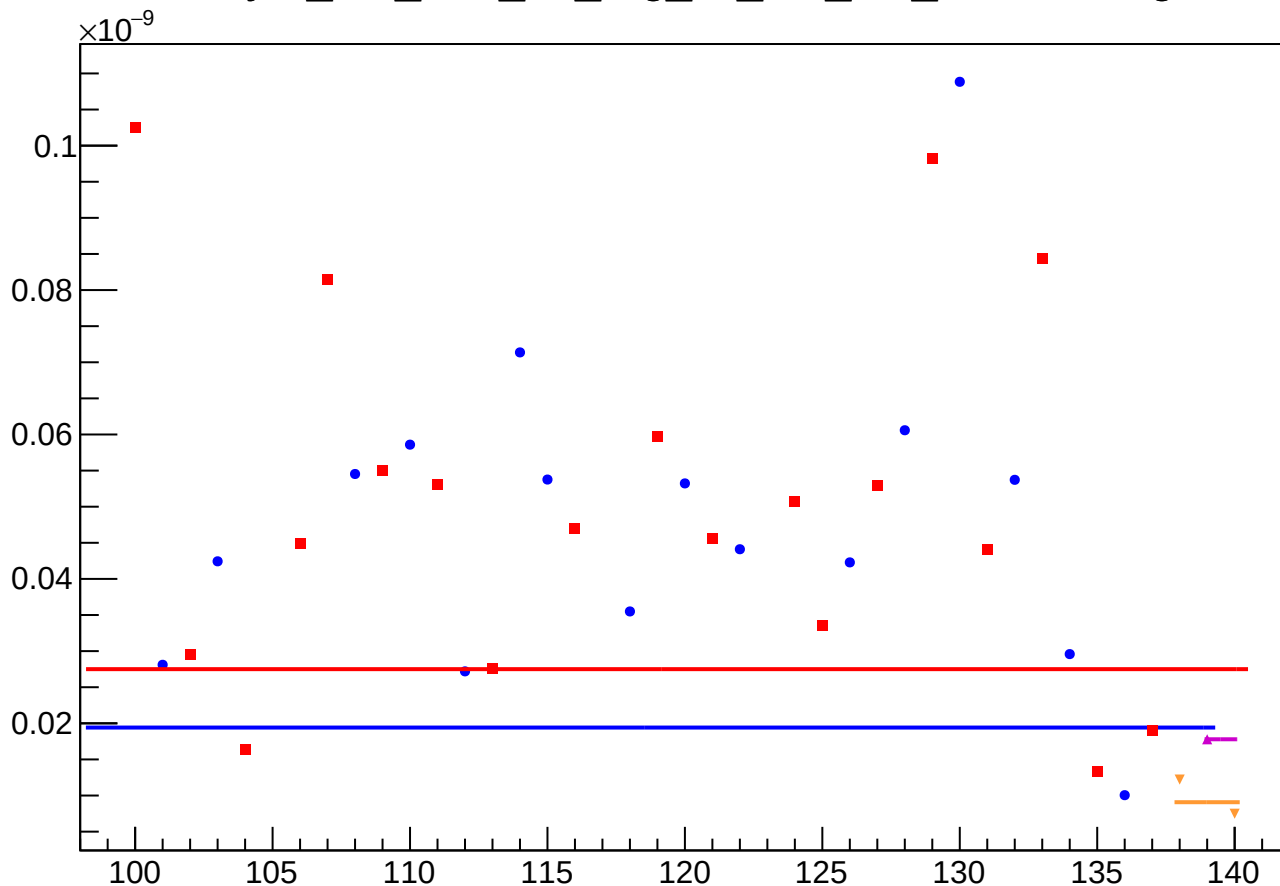
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/19

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2274412.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 73369.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1650144.8/18

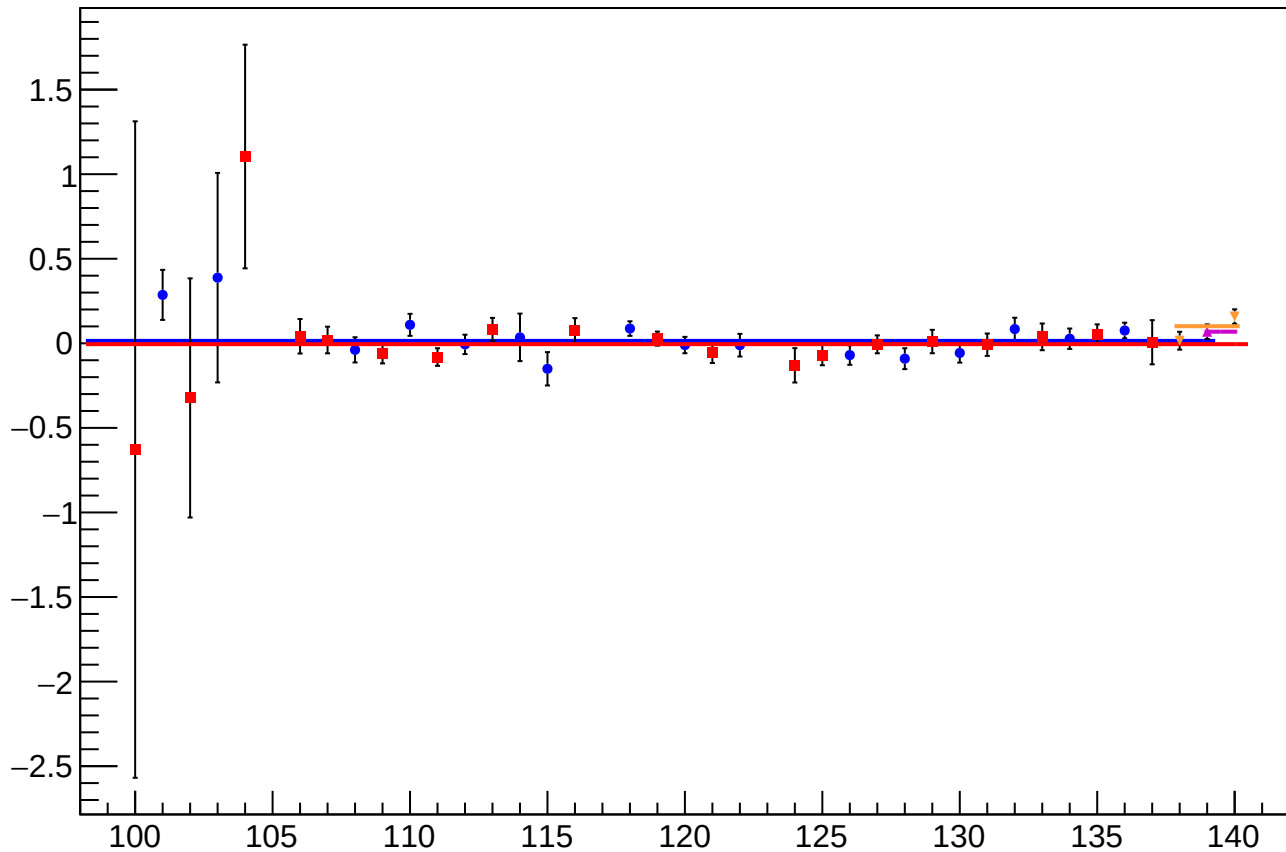
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2971235.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5549002.4/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1839569.6/19

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.016 χ^2/NDF : 22.0/15

Left Out: 0.101 ± 0.033 χ^2/NDF : 4.4/1

Right Out: -0.005 ± 0.016 χ^2/NDF : 14.9/18

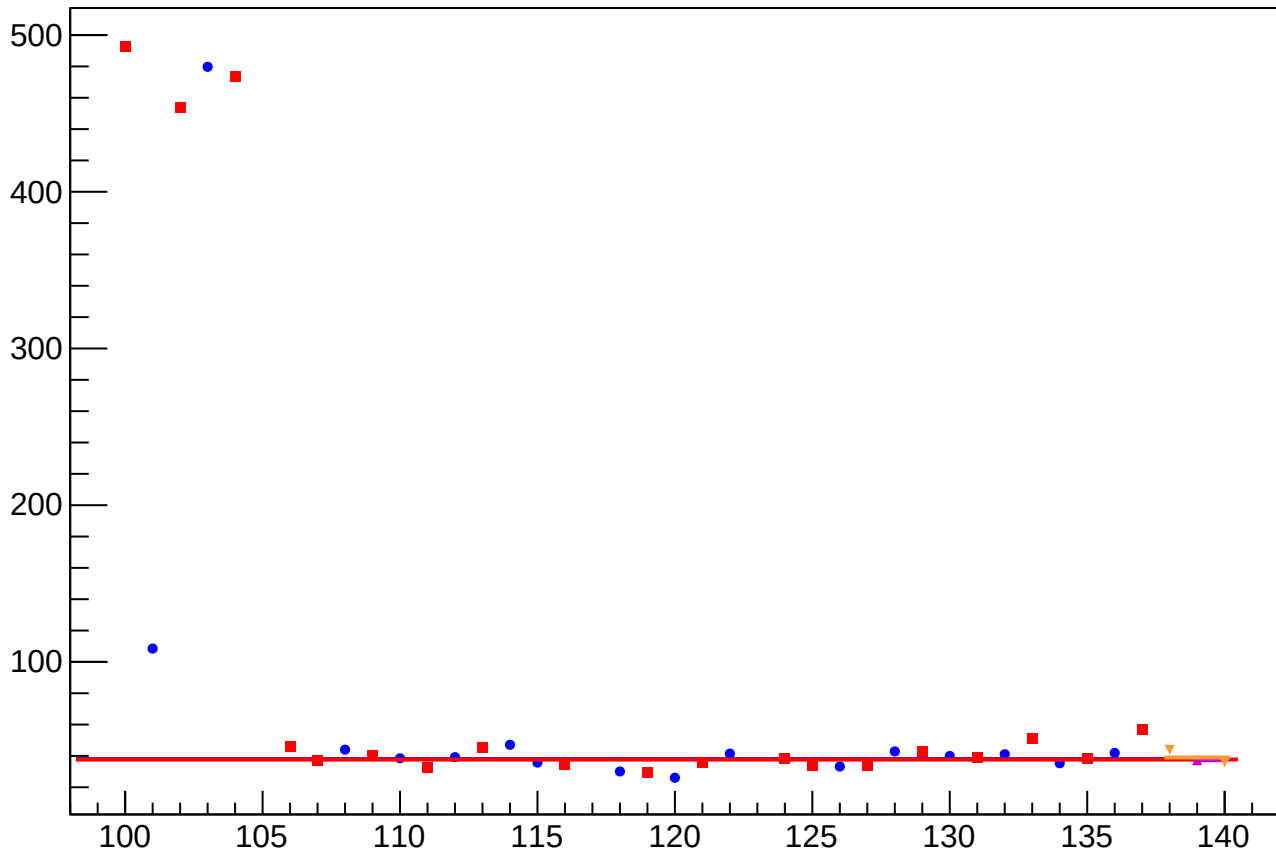
Left In: 0.069 ± 0.043 χ^2/NDF : 0.0/0

+ sign 0.031 ± 0.014 χ^2/NDF : 31.9/17

All: 0.018 ± 0.010 χ^2/NDF : 51.0/37

- sign 0.004 ± 0.015 χ^2/NDF : 17.5/19

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739669.4/15

Left Out: 38.988 $\pm$ 0.024 χ^2 /NDF: 27371.5/1

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

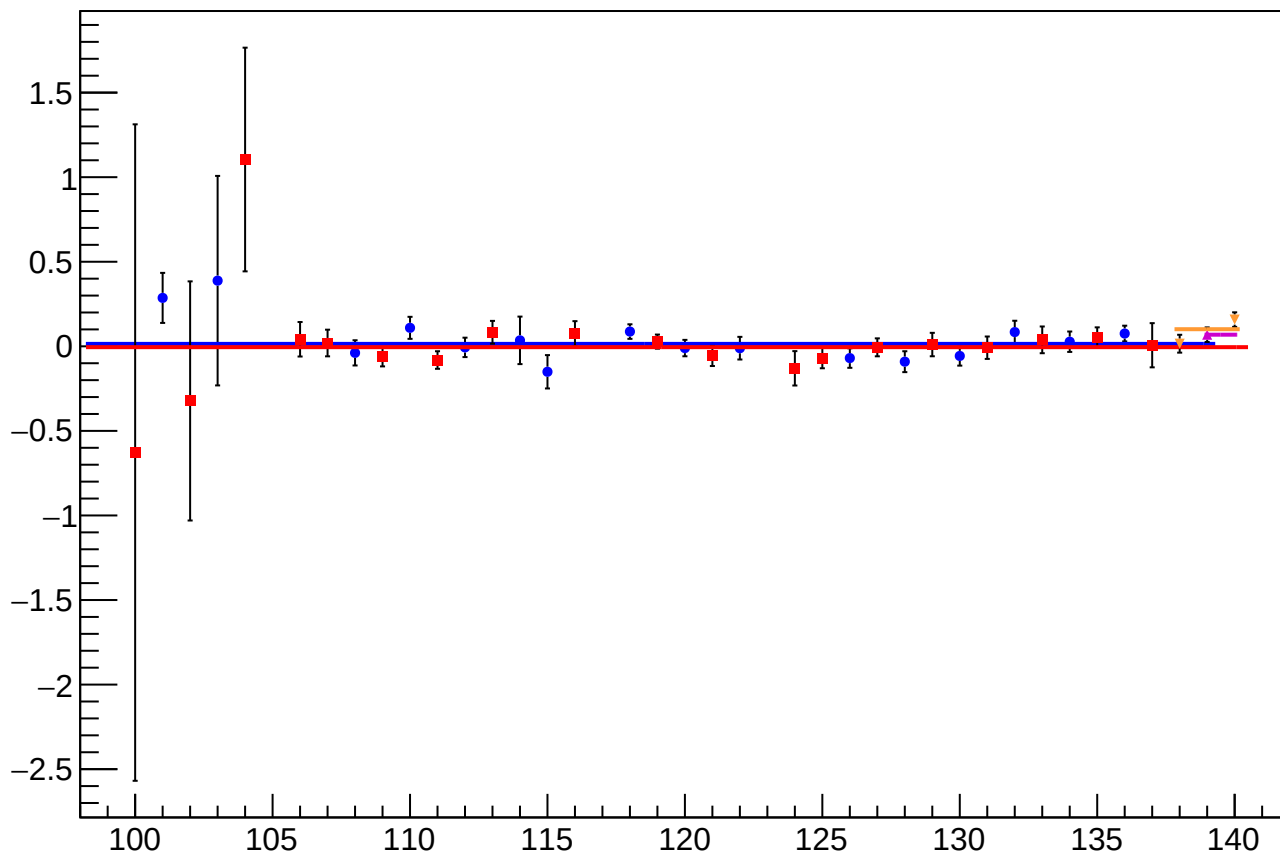
Left In: 37.258 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 38.137 $\pm$ 0.010 χ^2 /NDF: 1768645.0/17

All: 37.901 $\pm$ 0.007 χ^2 /NDF: 3714838.4/37

- sign 37.642 $\pm$ 0.011 χ^2 /NDF: 1945063.4/19

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.101 $\pm$ 0.033 χ^2 /NDF: 4.4/1

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

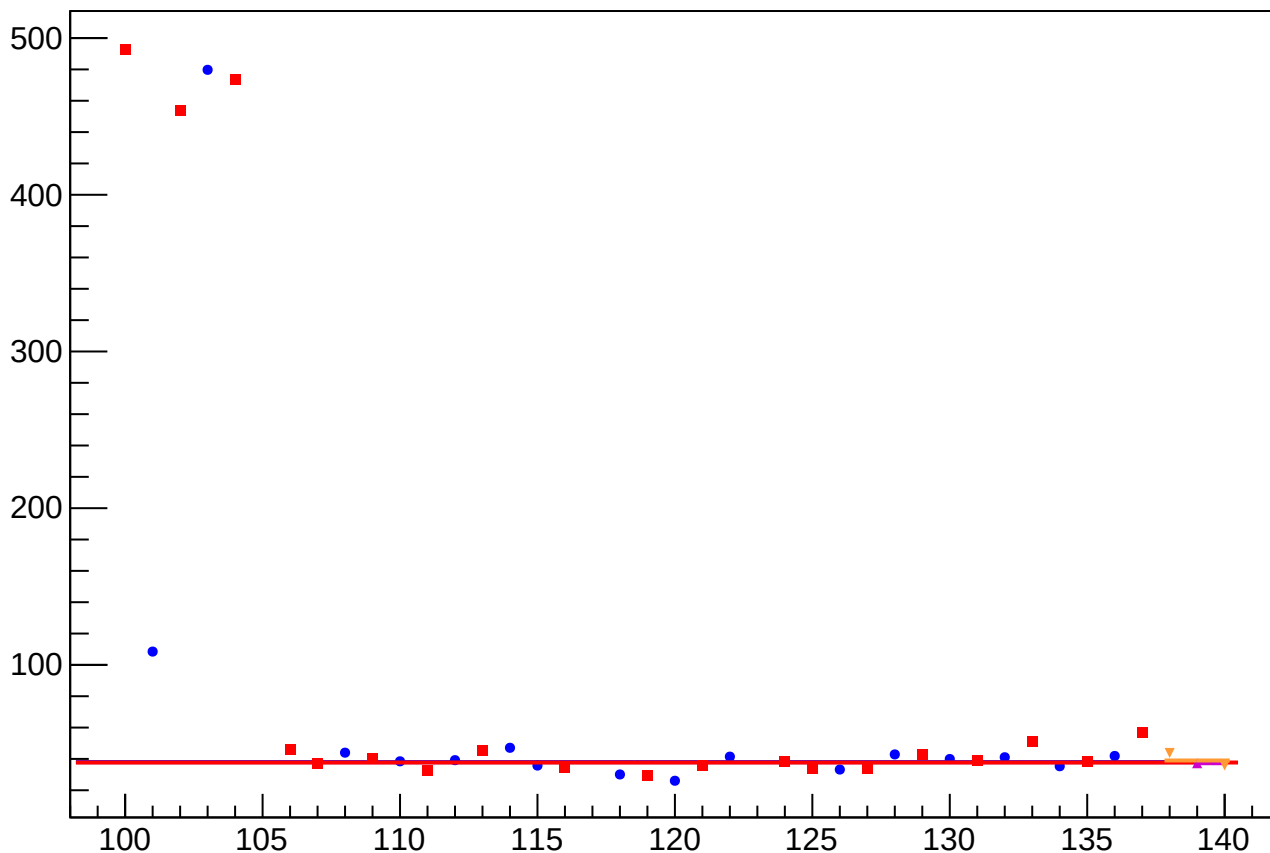
Left In: 0.069 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 0.031 $\pm$ 0.014 χ^2 /NDF: 31.9/17

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 51.0/37

- sign 0.004 $\pm$ 0.015 χ^2 /NDF: 17.5/19

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739669.4/15

Left Out: 38.988 $\pm$ 0.024 χ^2 /NDF: 27371.5/1

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

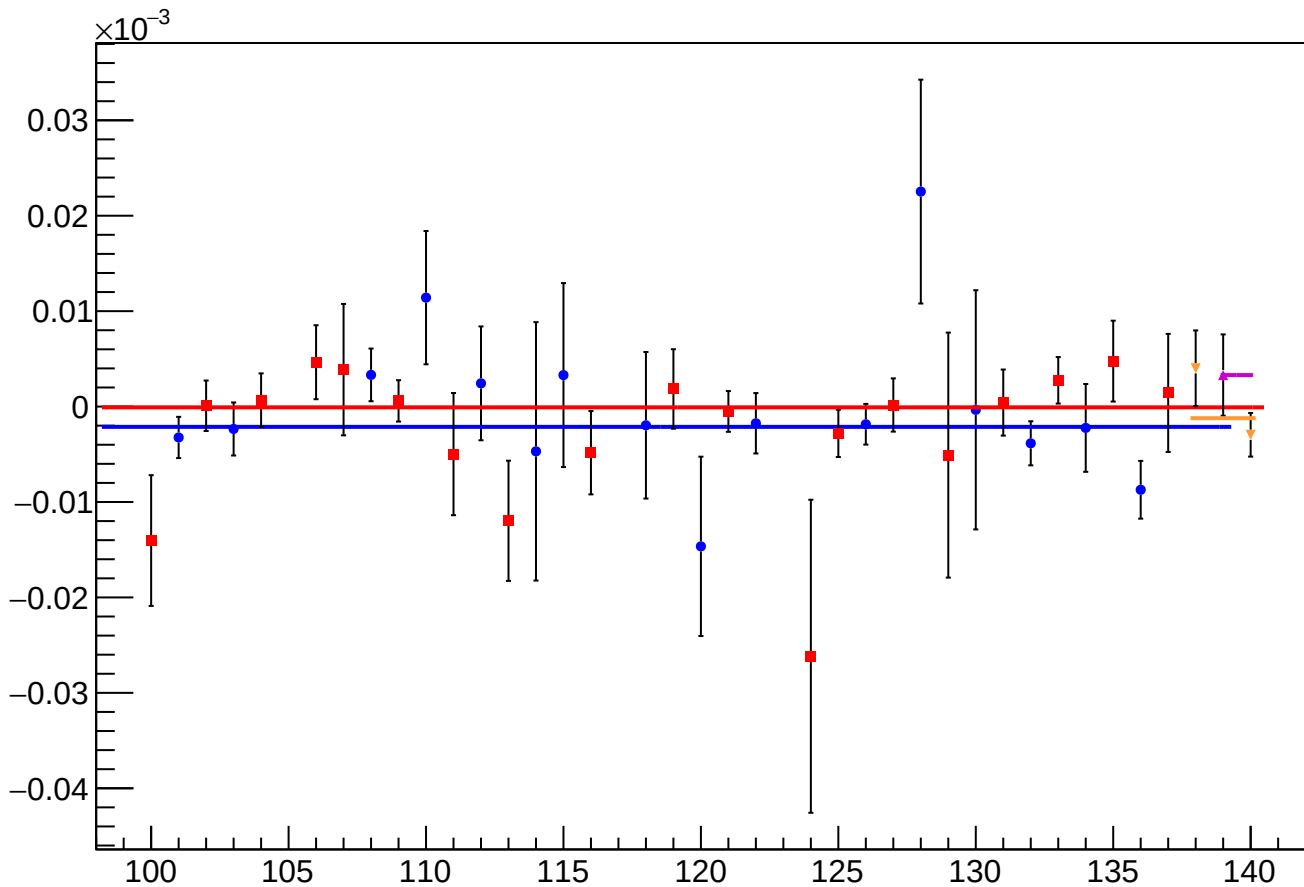
Left In: 37.258 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 38.137 $\pm$ 0.010 χ^2 /NDF: 1768645.0/17

All: 37.901 $\pm$ 0.007 χ^2 /NDF: 3714838.4/37

- sign 37.642 $\pm$ 0.011 χ^2 /NDF: 1945063.4/19

asym_usr_atr1_dd_eigen_dit_vs_dit_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 : 2.3/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

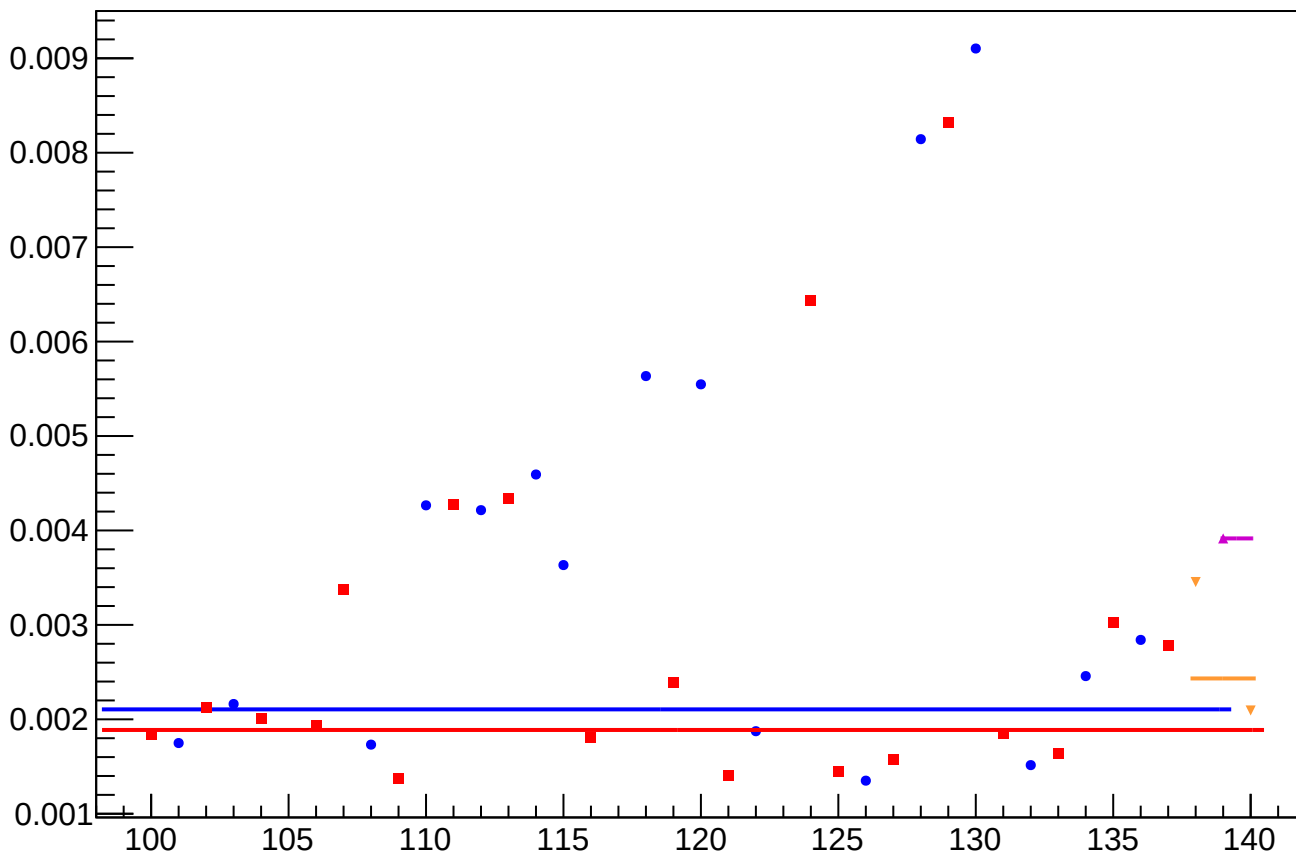
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 22.9/17

All: -0.000 ± 0.000 χ^2/NDF : 45.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 19.0/19

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF :176348.9/1

Right Out: 0.002+/-0.000 χ^2/NDF : 1892000.0/18

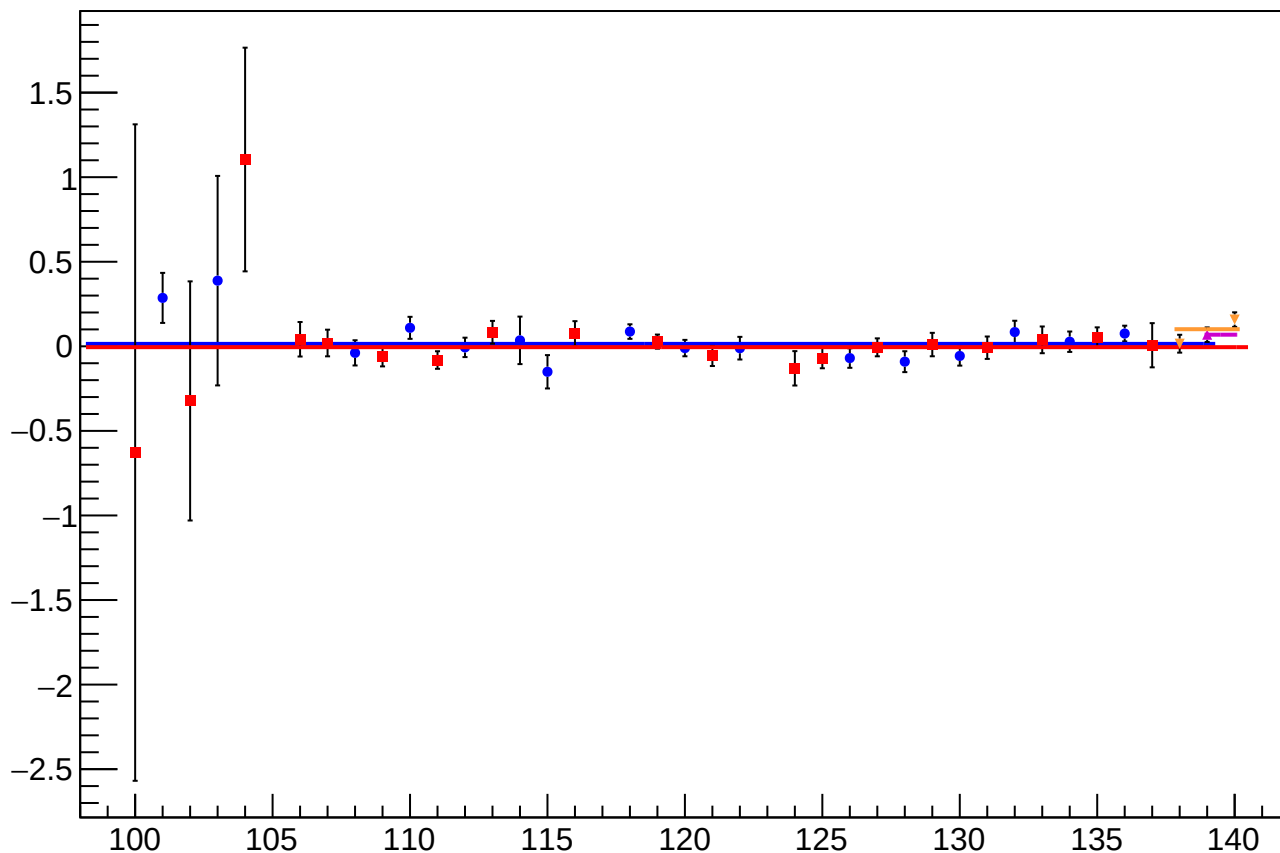
Left In: 0.004+/-0.000 χ^2/NDF :0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 3239251.2/17

All: 0.002+/-0.000 χ^2/NDF : 5636472.3/37

- sign 0.002+/-0.000 χ^2/NDF : 2330055.7/19

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.101 $\pm$ 0.033 χ^2 /NDF: 4.4/1

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

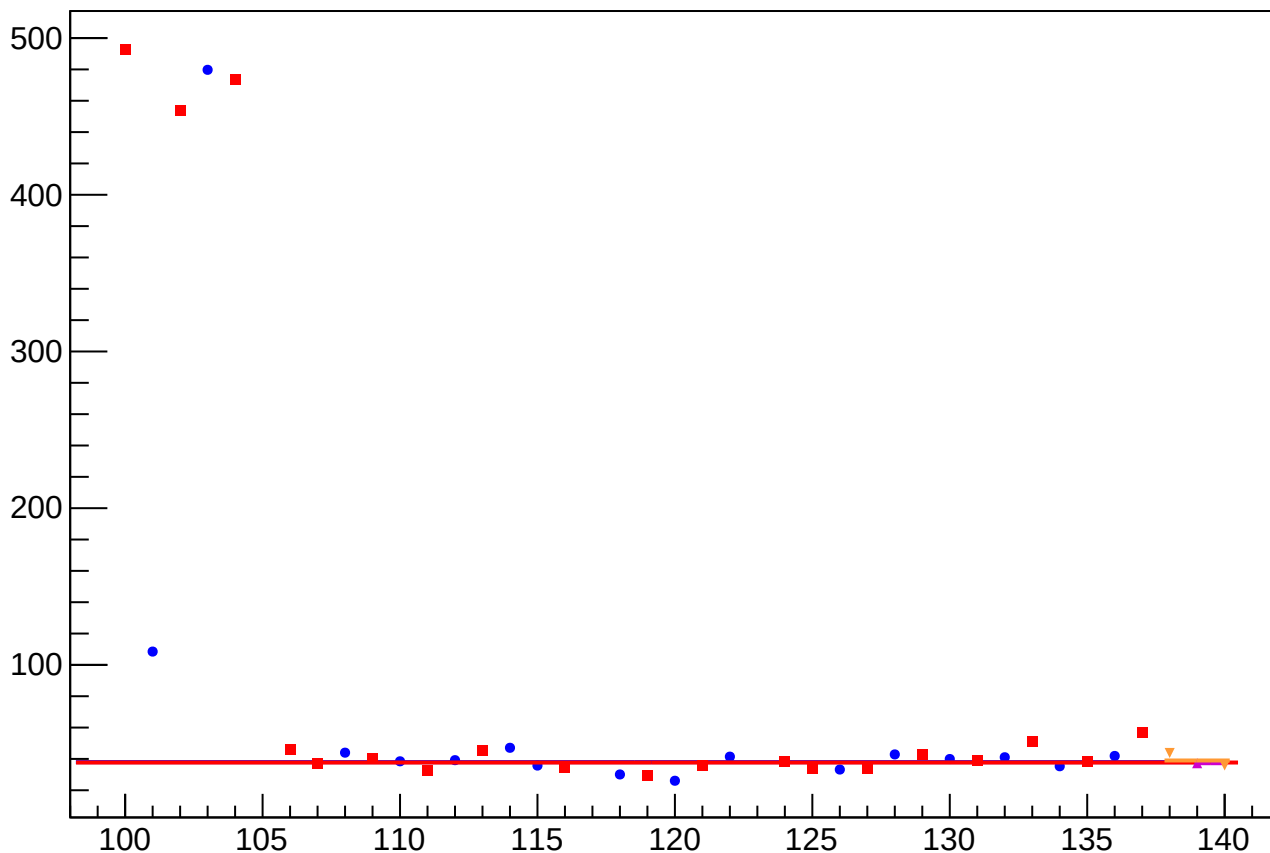
Left In: 0.069 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 0.031 $\pm$ 0.014 χ^2 /NDF: 31.9/17

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 51.0/37

- sign 0.004 $\pm$ 0.015 χ^2 /NDF: 17.5/19

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739681.1/15

Left Out: 38.989 $\pm$ 0.024 χ^2 /NDF: 27375.7/1

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

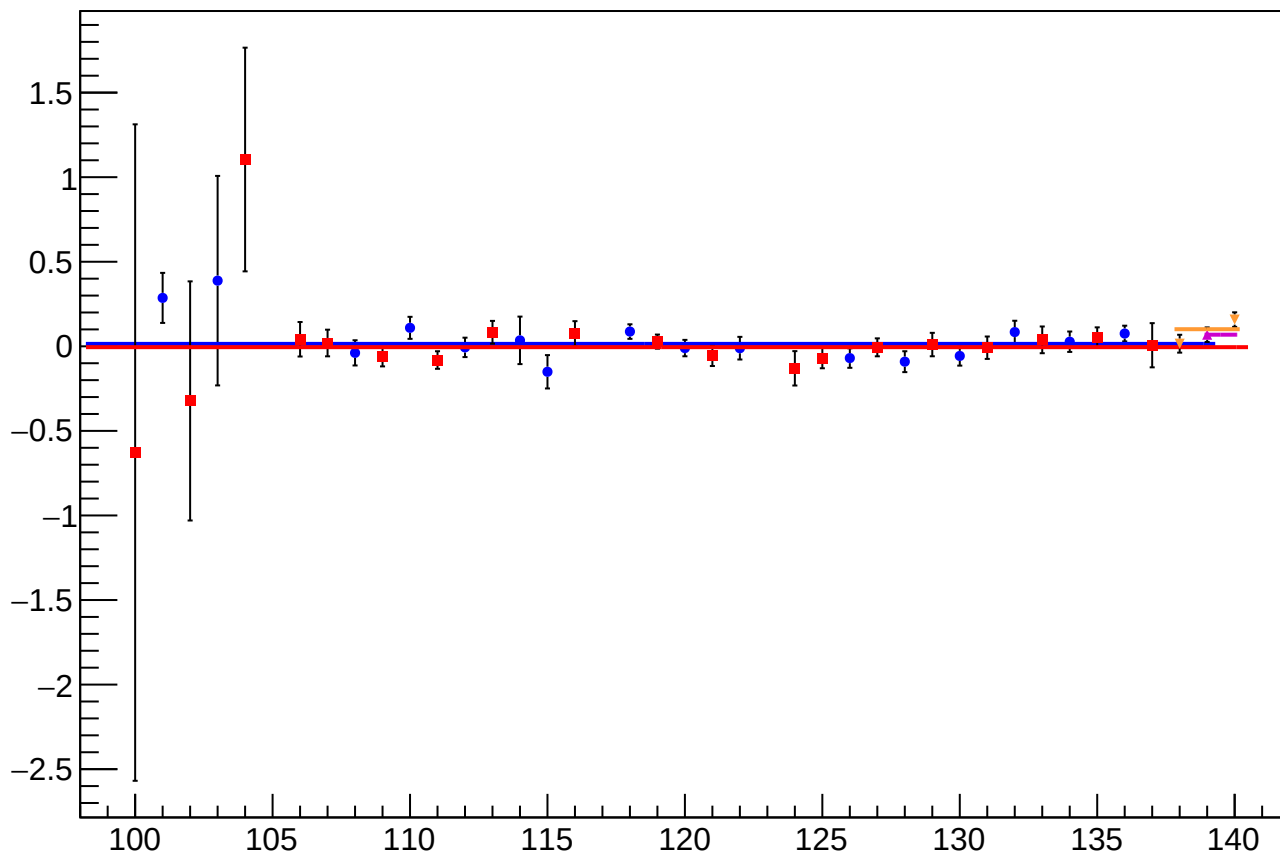
Left In: 37.257 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 38.136 $\pm$ 0.010 χ^2 /NDF: 1768664.1/17

All: 37.900 $\pm$ 0.007 χ^2 /NDF: 3714938.2/37

- sign 37.641 $\pm$ 0.011 χ^2 /NDF: 1945140.3/19

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.101 $\pm$ 0.033 χ^2 /NDF:4.4/1

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

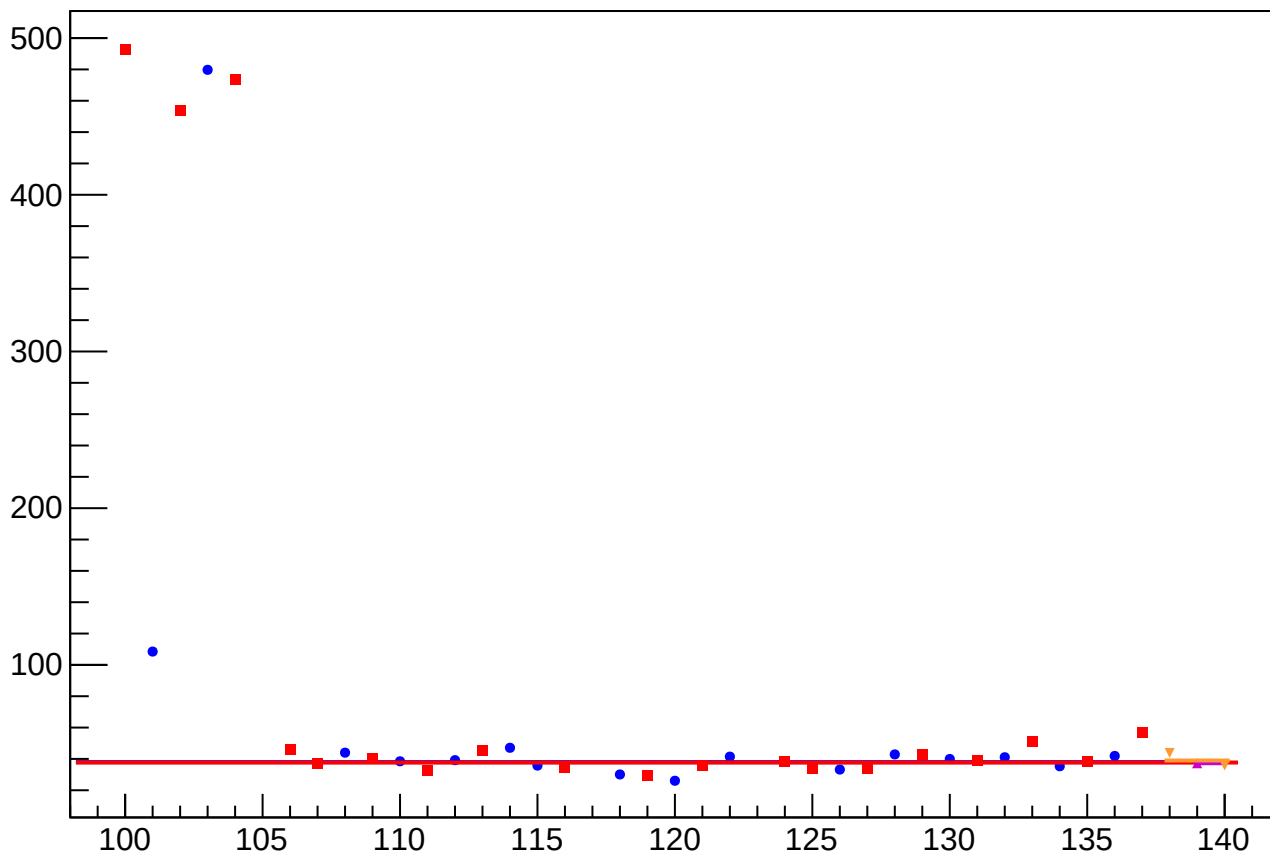
Left In: 0.069 $\pm$ 0.043 χ^2 /NDF:0.0/0

+ sign 0.031 $\pm$ 0.014 χ^2 /NDF: 31.9/17

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 51.0/37

- sign 0.004 $\pm$ 0.015 χ^2 /NDF: 17.5/19

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739681.1/15

Left Out: 38.989 $\pm$ 0.024 χ^2 /NDF: 27375.7/1

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

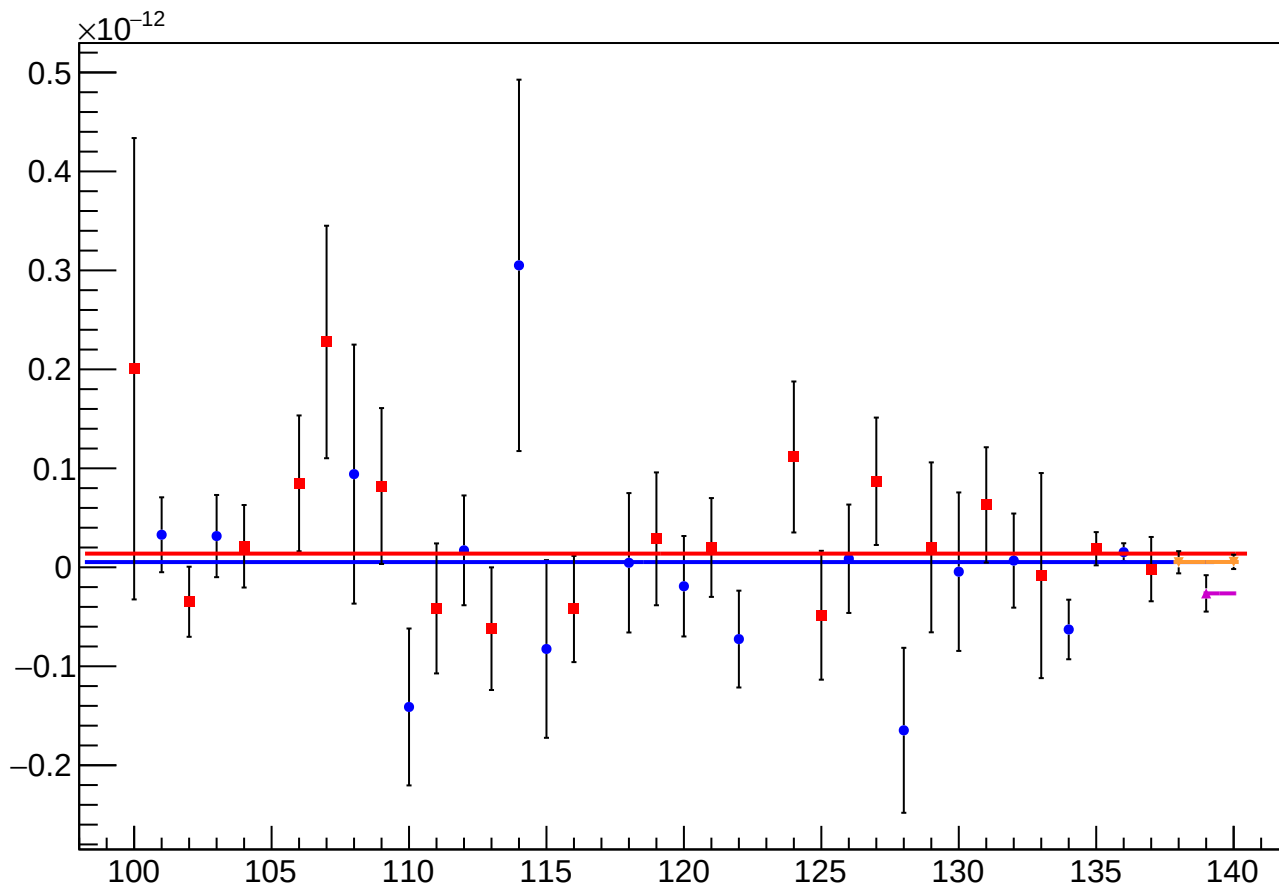
Left In: 37.257 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 38.136 $\pm$ 0.010 χ^2 /NDF: 1768664.1/17

All: 37.900 $\pm$ 0.007 χ^2 /NDF: 3714938.2/37

- sign 37.641 $\pm$ 0.011 χ^2 /NDF: 1945140.3/19

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

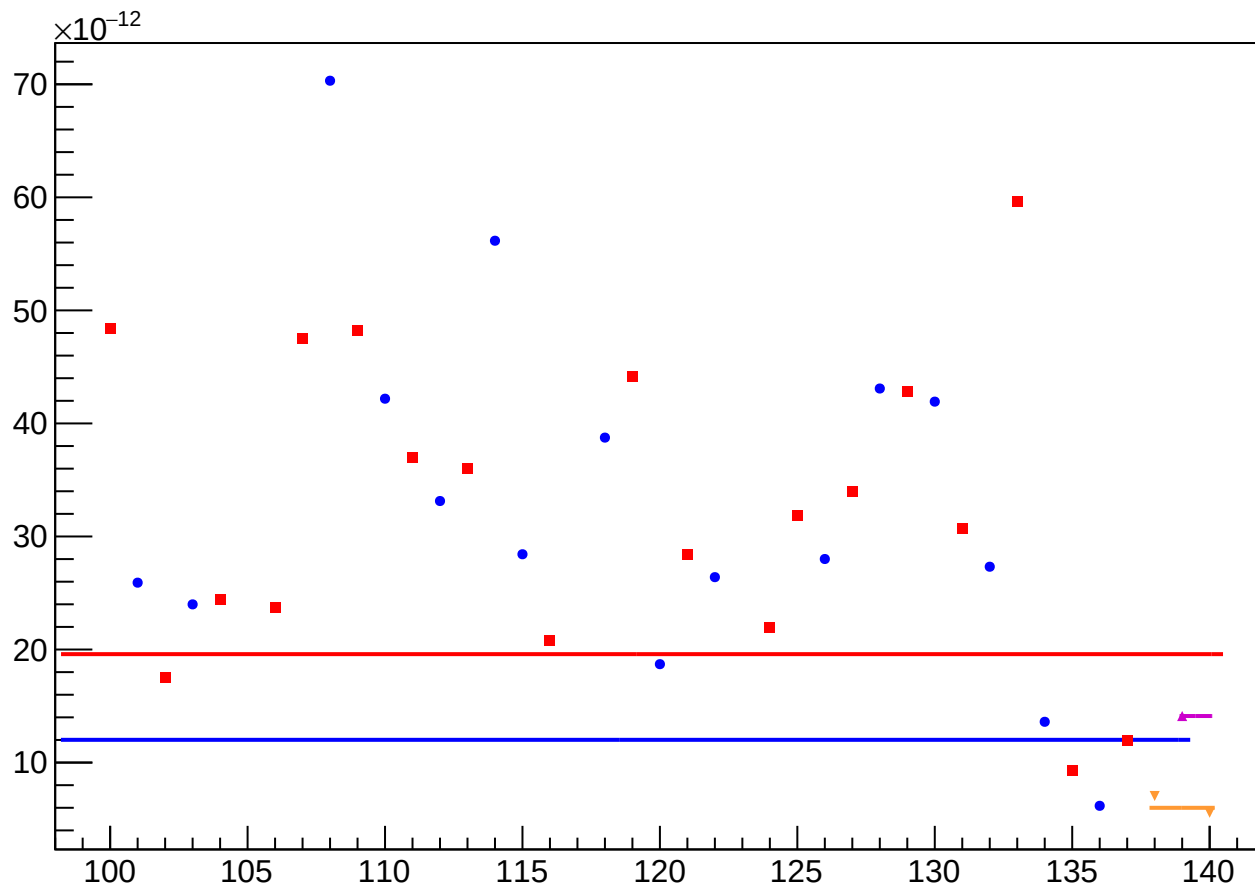
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/19

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 24559.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2619469.9/18

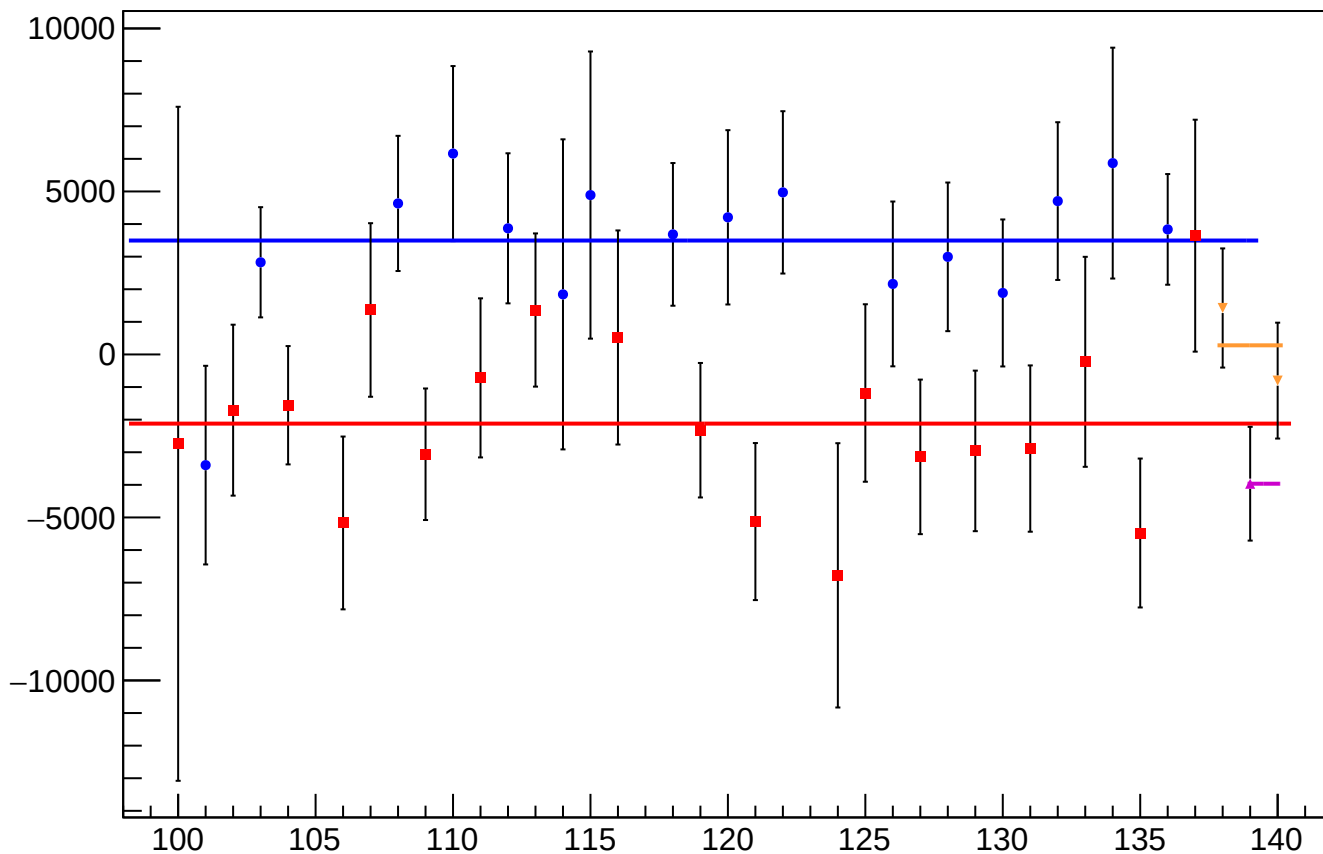
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4661499.0/17

All: 0.000+/-0.000 χ^2/NDF : 9246122.2/37

- sign 0.000+/-0.000 χ^2/NDF : 2752708.5/19

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF : 8.8/15

Left Out: 279.862+/-1274.169 χ^2/NDF : 0.8/1

Right Out: -2121.717+/-587.617 χ^2/NDF : 15.1/18

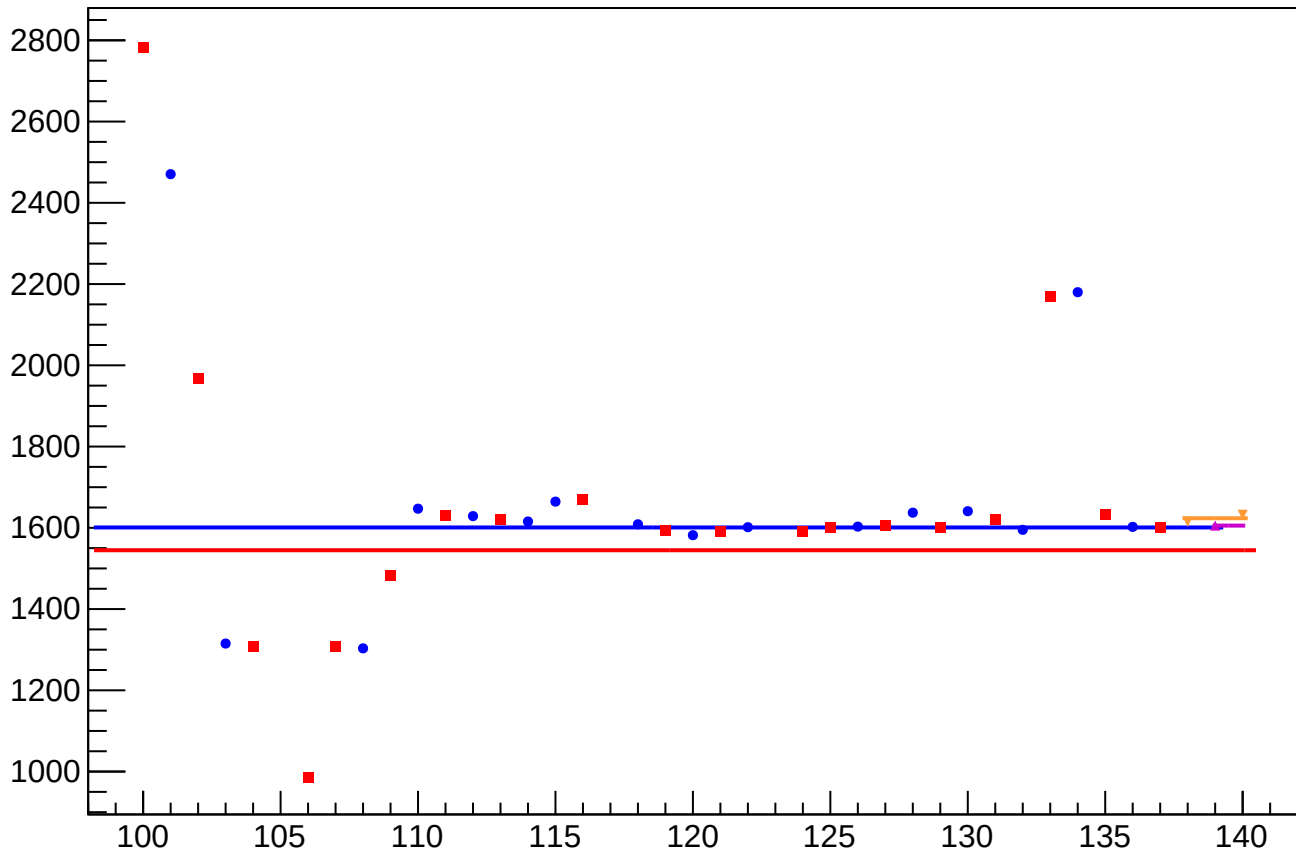
Left In: -3965.528+/-1745.017 χ^2/NDF : 0.0/0

+ sign 2909.069+/-543.704 χ^2/NDF : 14.8/17

All: 362.300+/-389.035 χ^2/NDF : 75.8/37

- sign -2309.500+/-556.890 χ^2/NDF : 16.1/19

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317414.0/15

Left Out: 1623.571+/-0.901 χ^2/NDF : 94.4/1

Right Out: 1544.809+/-0.409 χ^2/NDF : 376127.4/18

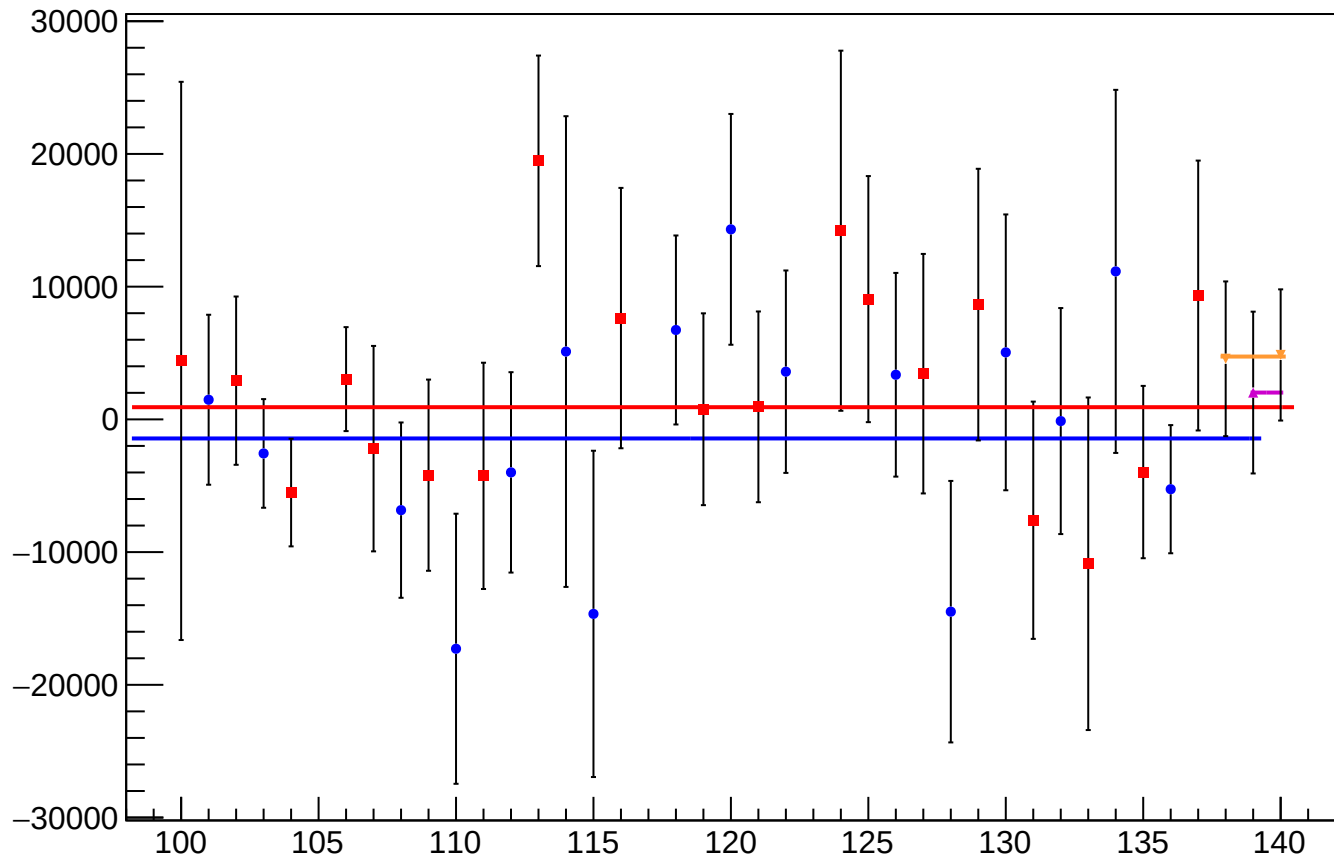
Left In: 1605.466+/-1.234 χ^2/NDF : 0.0/0

+ sign 1605.011+/-0.384 χ^2/NDF : 318027.2/17

All: 1578.146+/-0.273 χ^2/NDF : 706185.2/37

- sign 1550.802+/-0.388 χ^2/NDF : 378305.2/19

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF : 13.9/15

Left Out: 4733.427+/-3769.779 χ^2/NDF : 0.0/1

Right Out: 918.485+/-1669.278 χ^2/NDF : 15.3/18

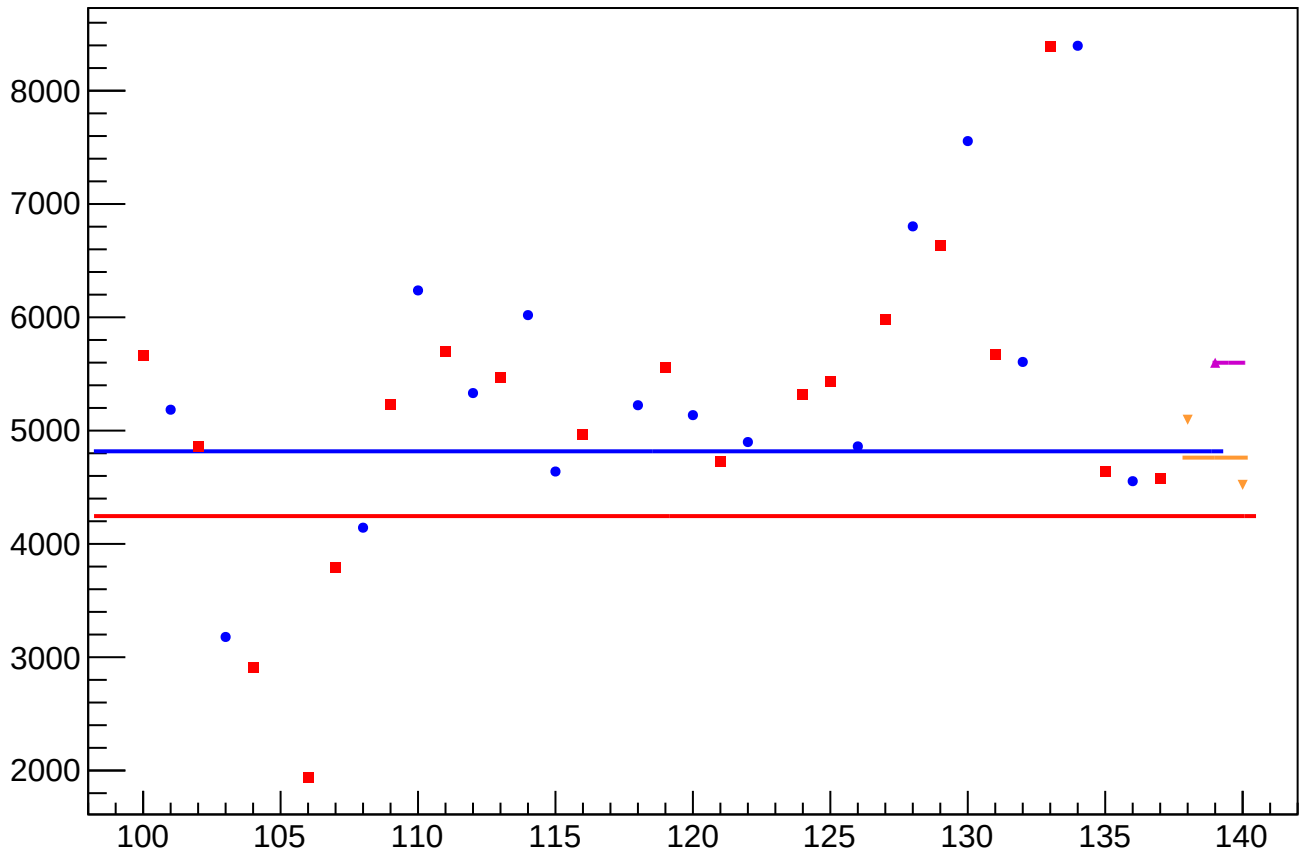
Left In: 2020.367+/-6095.412 χ^2/NDF : 0.0/0

+ sign -241.275+/-1659.553 χ^2/NDF : 16.0/17

All: 395.782+/-1155.562 χ^2/NDF : 31.7/37

- sign 995.359+/-1609.996 χ^2/NDF : 15.4/19

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF : 795431.1/15

Left Out: 4761.552+/-2.666 χ^2/NDF : 11316.9/1

+ sign 4806.531+/-1.173 χ^2/NDF : 807101.2/17

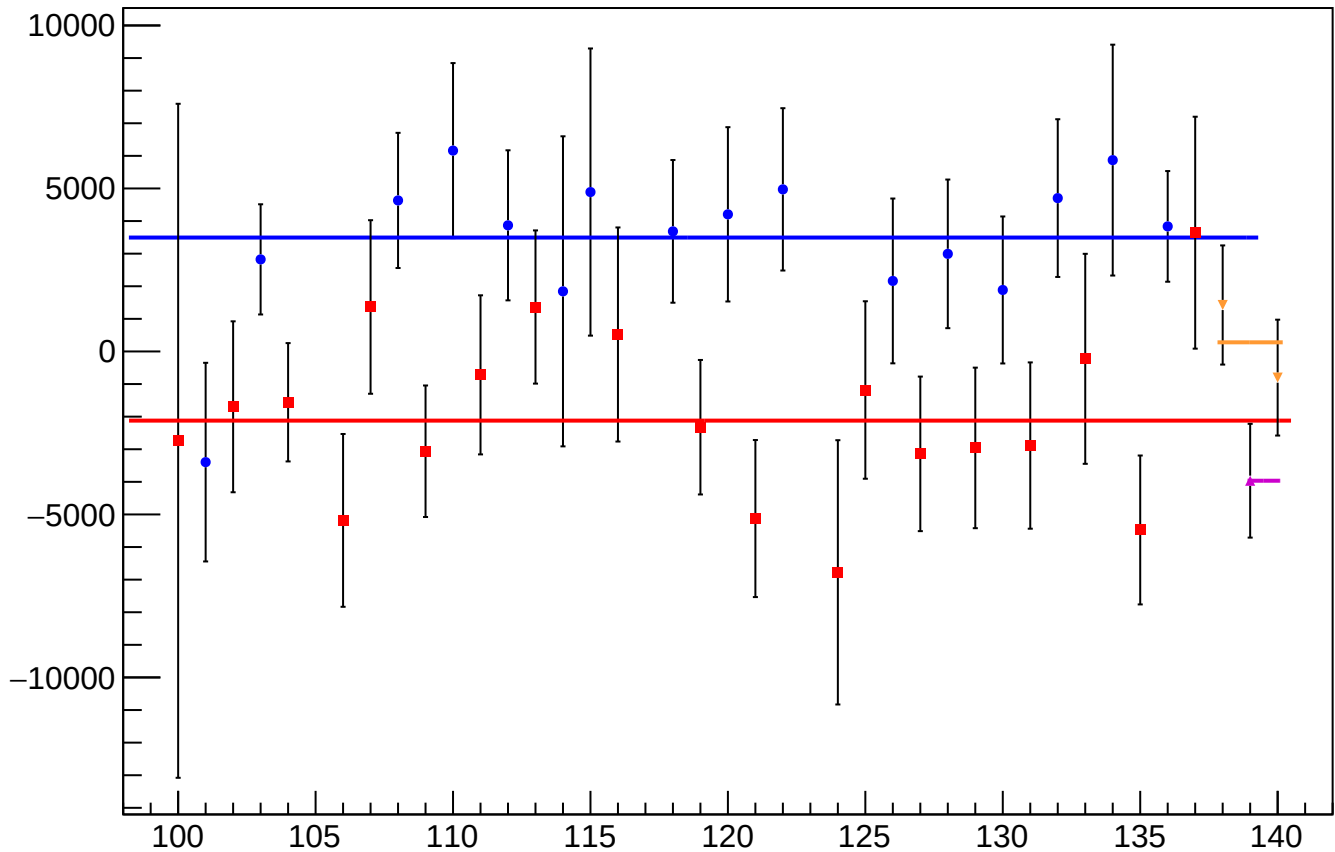
Right Out: 4245.533+/-1.180 χ^2/NDF : 1683159.2/18

All: 4566.177+/-0.817 χ^2/NDF : 2663433.1/37

- sign 4339.963+/-1.138 χ^2/NDF : 1774896.0/19

Left In: 5599.050+/-4.310 χ^2/NDF : 0.0/0

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046 $\pm$ 601.185 χ^2 /NDF: 8.8/15

Left Out: 279.910 $\pm$ 1274.169 χ^2 /NDF: 0.8/1

Right Out: -2121.708 $\pm$ 587.619 χ^2 /NDF: 15.1/18

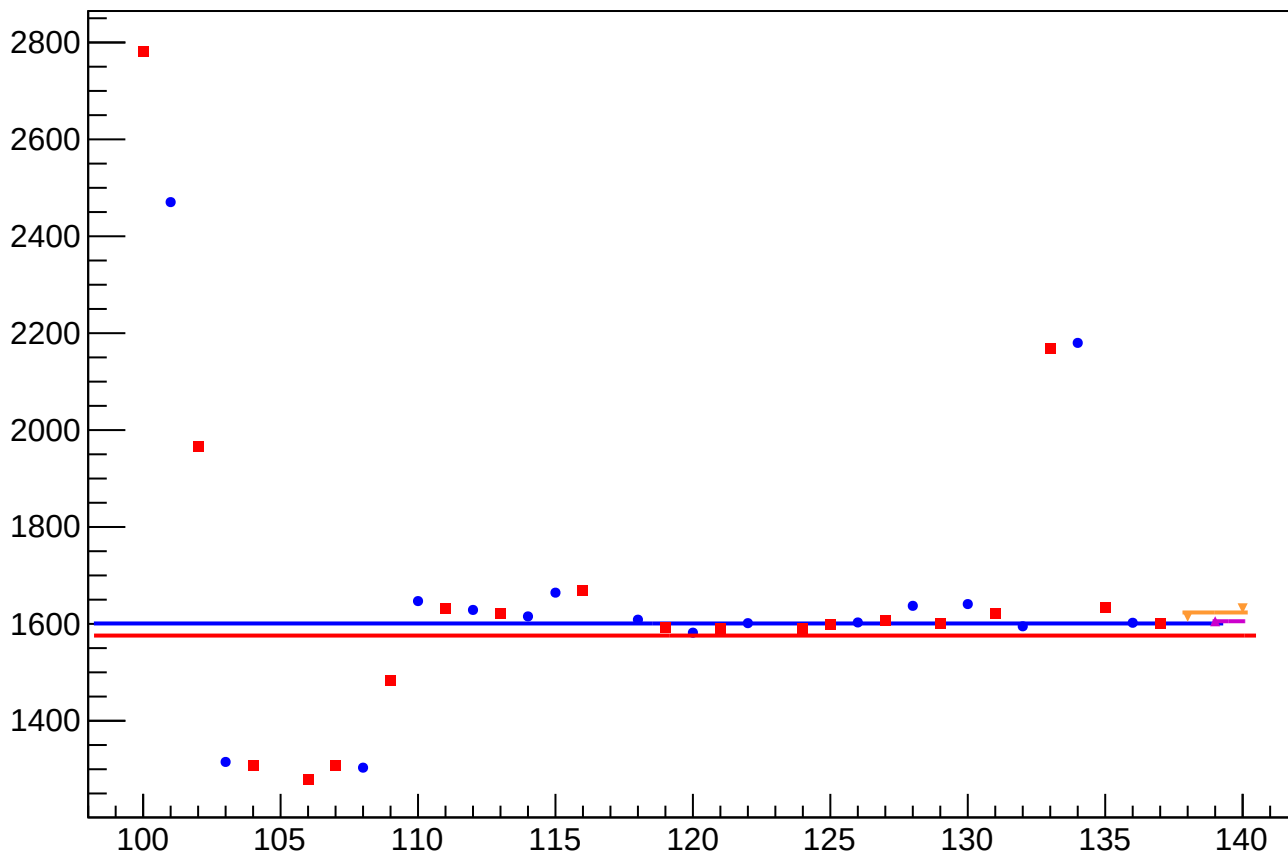
Left In: -3965.809 $\pm$ 1745.017 χ^2 /NDF: 0.0/0

+ sign 2908.804 $\pm$ 543.704 χ^2 /NDF: 14.8/17

All: 362.165 $\pm$ 389.036 χ^2 /NDF: 75.8/37

- sign -2309.522 $\pm$ 556.893 χ^2 /NDF: 16.1/19

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF : 94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF : 243332.0/18

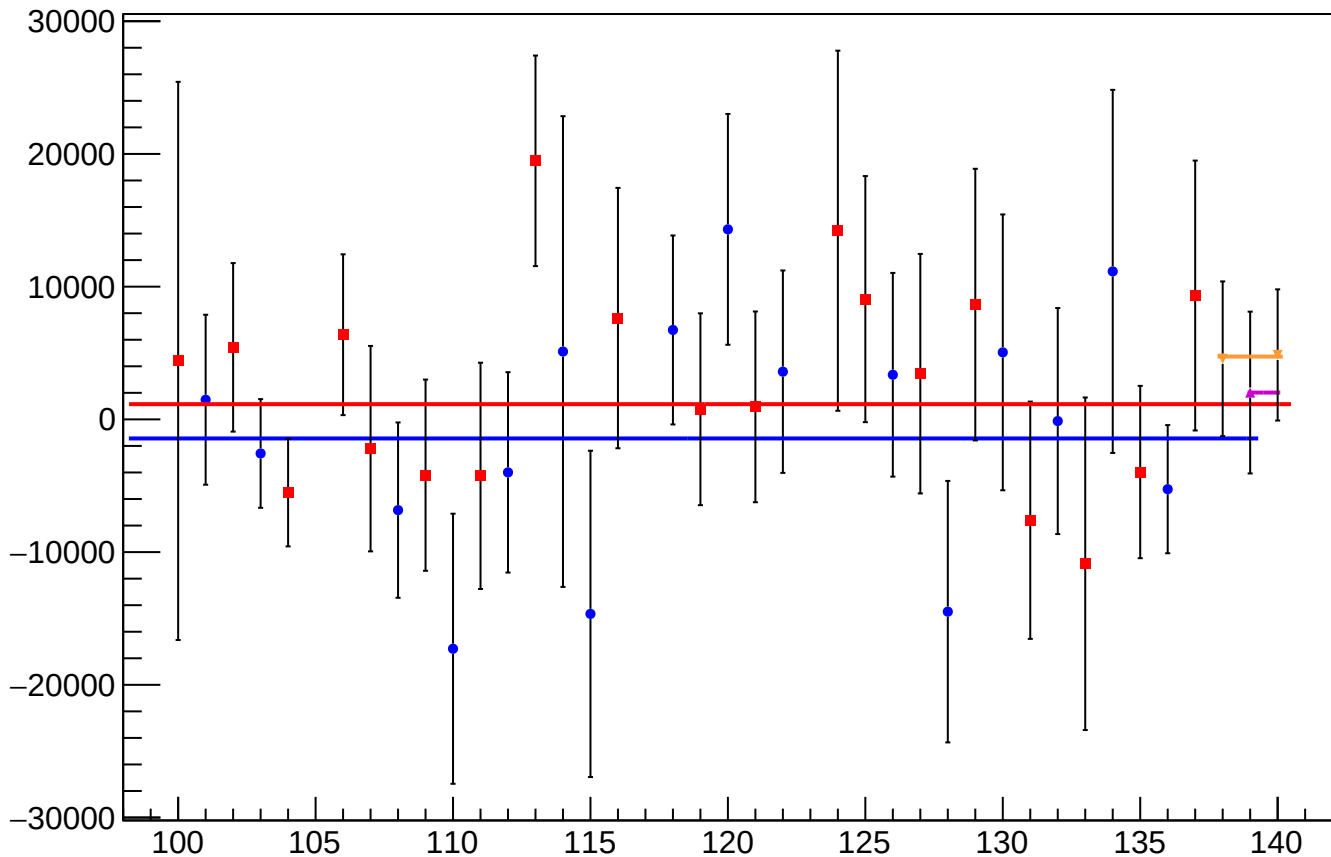
Left In: 1605.466+/-1.234 χ^2/NDF : 0.0/0

+ sign 1605.012+/-0.384 χ^2/NDF : 318026.3/17

All: 1592.218+/-0.275 χ^2/NDF : 564135.4/37

- sign 1578.890+/-0.392 χ^2/NDF : 243848.0/19

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362 ± 1848.324 χ^2/NDF : 13.9/15

Left Out: 4733.291 ± 3769.770 χ^2/NDF : 0.0/1

Right Out: 1146.174 ± 1765.384 χ^2/NDF : 16.3/18

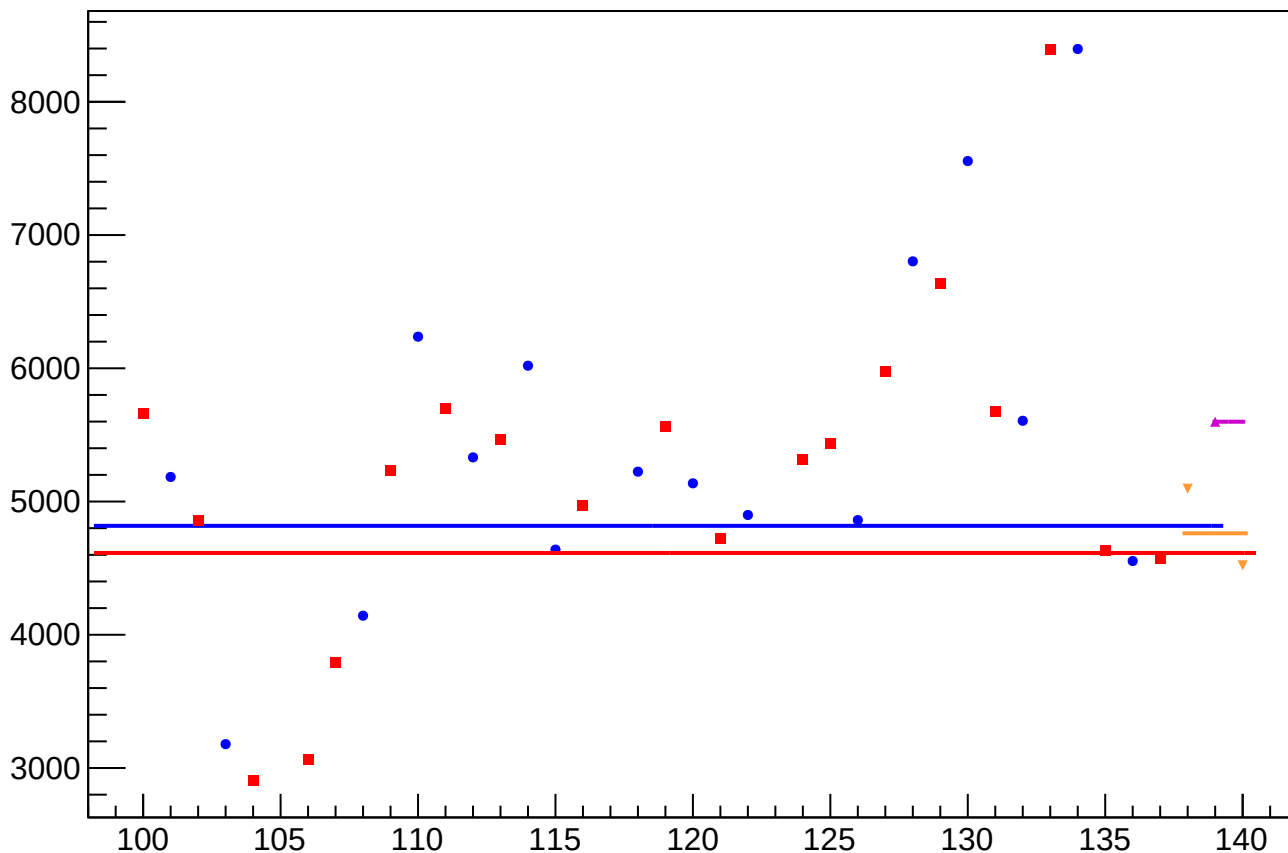
Left In: 2020.350 ± 6095.414 χ^2/NDF : 0.0/0

+ sign -241.455 ± 1659.580 χ^2/NDF : 16.0/17

All: 470.523 ± 1186.063 χ^2/NDF : 32.7/37

- sign 1213.828 ± 1695.696 χ^2/NDF : 16.3/19

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF : 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF : 11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF : 977958.2/18

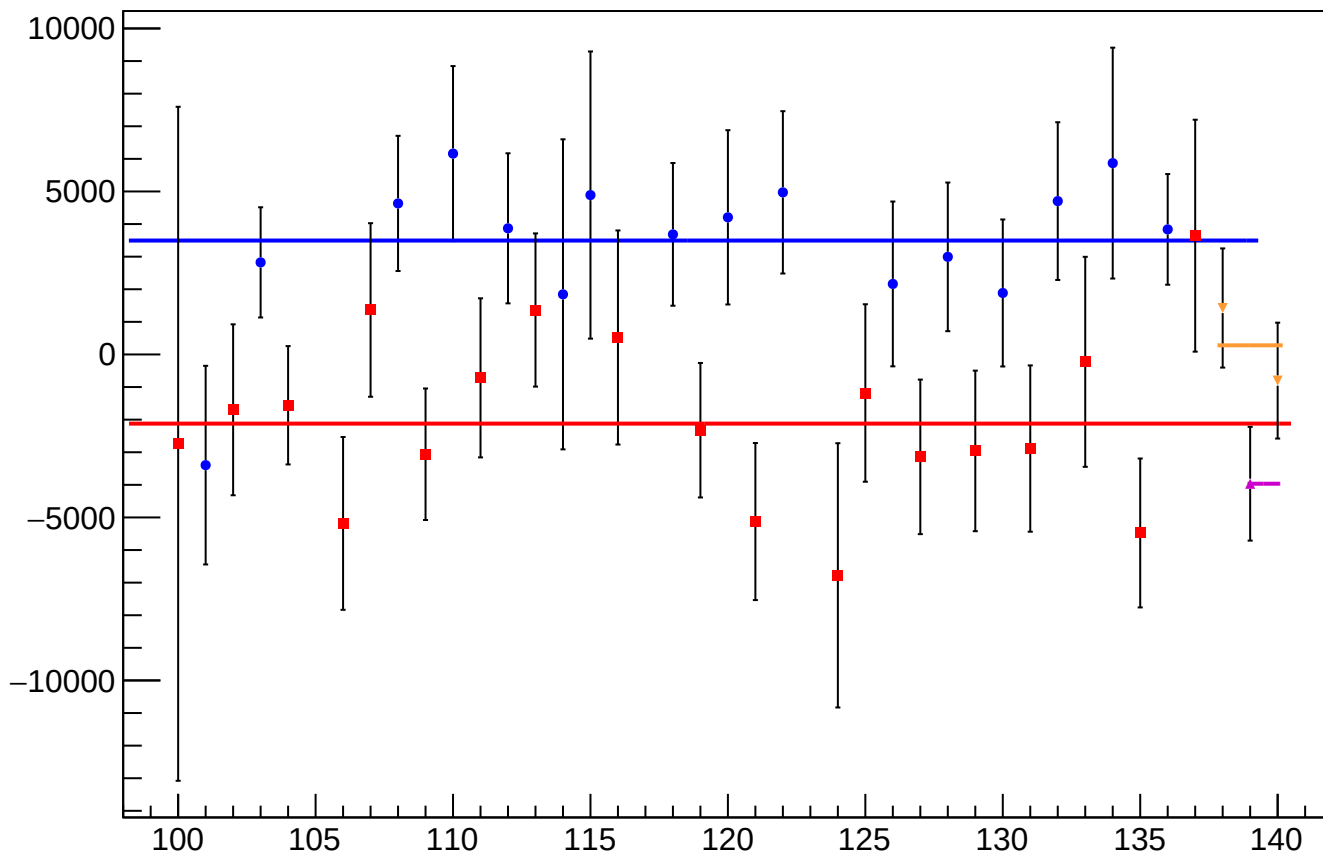
Left In: 5599.052+/-4.310 χ^2/NDF : 0.0/0

+ sign 4806.638+/-1.173 χ^2/NDF : 806905.7/17

All: 4749.622+/-0.839 χ^2/NDF : 1837894.0/37

- sign 4690.096+/-1.199 χ^2/NDF : 1026163.1/19

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046 $\pm$ 601.185 χ^2 /NDF: 8.8/15

Left Out: 279.910 $\pm$ 1274.169 χ^2 /NDF: 0.8/1

Right Out: -2121.708 $\pm$ 587.619 χ^2 /NDF: 15.1/18

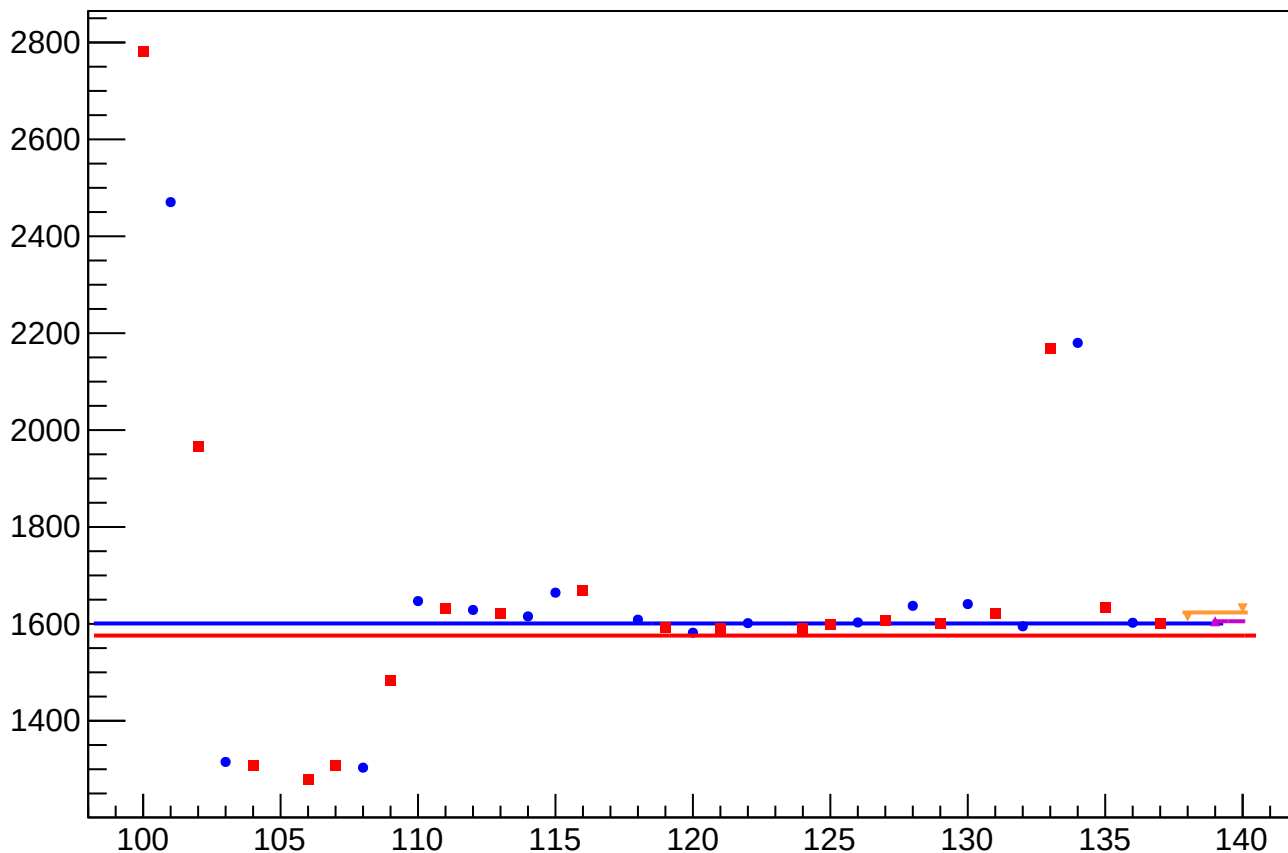
Left In: -3965.809 $\pm$ 1745.017 χ^2 /NDF: 0.0/0

+ sign 2908.804 $\pm$ 543.704 χ^2 /NDF: 14.8/17

All: 362.165 $\pm$ 389.036 χ^2 /NDF: 75.8/37

- sign -2309.522 $\pm$ 556.893 χ^2 /NDF: 16.1/19

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF : 94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF : 243332.0/18

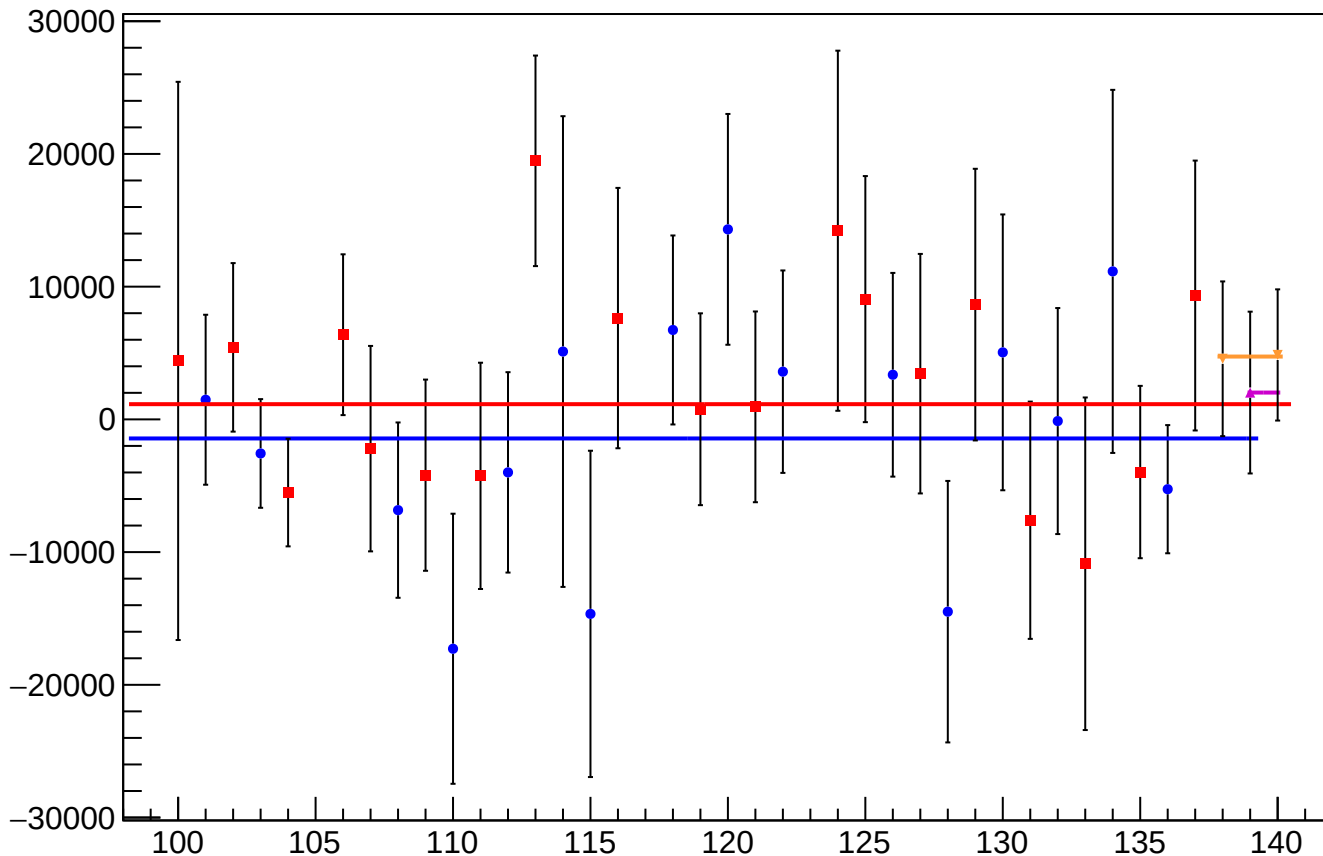
Left In: 1605.466+/-1.234 χ^2/NDF : 0.0/0

+ sign 1605.012+/-0.384 χ^2/NDF : 318026.3/17

All: 1592.218+/-0.275 χ^2/NDF : 564135.4/37

- sign 1578.890+/-0.392 χ^2/NDF : 243848.0/19

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362 $\pm$ 1848.324 χ^2 /NDF: 13.9/15

Left Out: 4733.291 $\pm$ 3769.770 χ^2 /NDF: 0.0/1

Right Out: 1146.174 $\pm$ 1765.384 χ^2 /NDF: 16.3/18

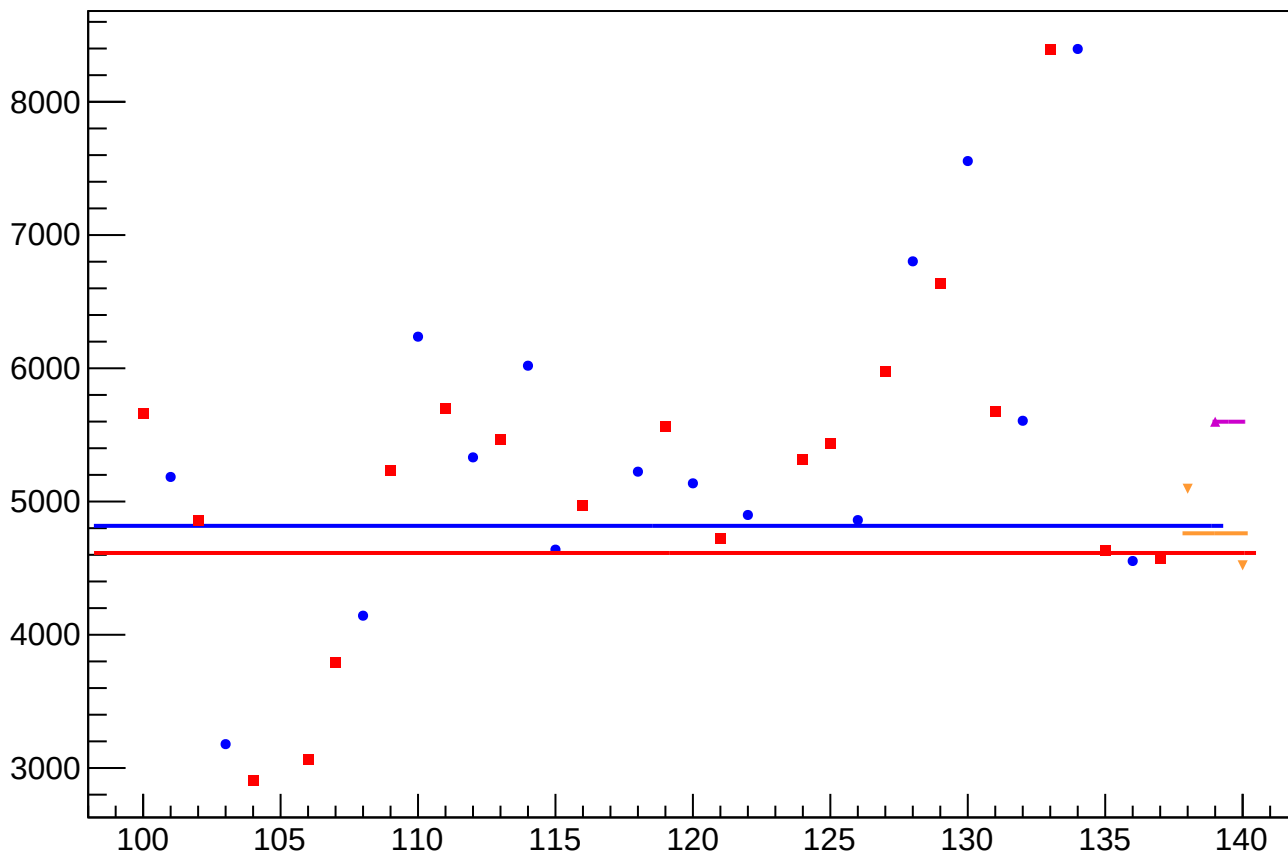
Left In: 2020.350 $\pm$ 6095.414 χ^2 /NDF: 0.0/0

+ sign -241.455 $\pm$ 1659.580 χ^2 /NDF: 16.0/17

All: 470.523 $\pm$ 1186.063 χ^2 /NDF: 32.7/37

- sign 1213.828 $\pm$ 1695.696 χ^2 /NDF: 16.3/19

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF : 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF : 11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF : 977958.2/18

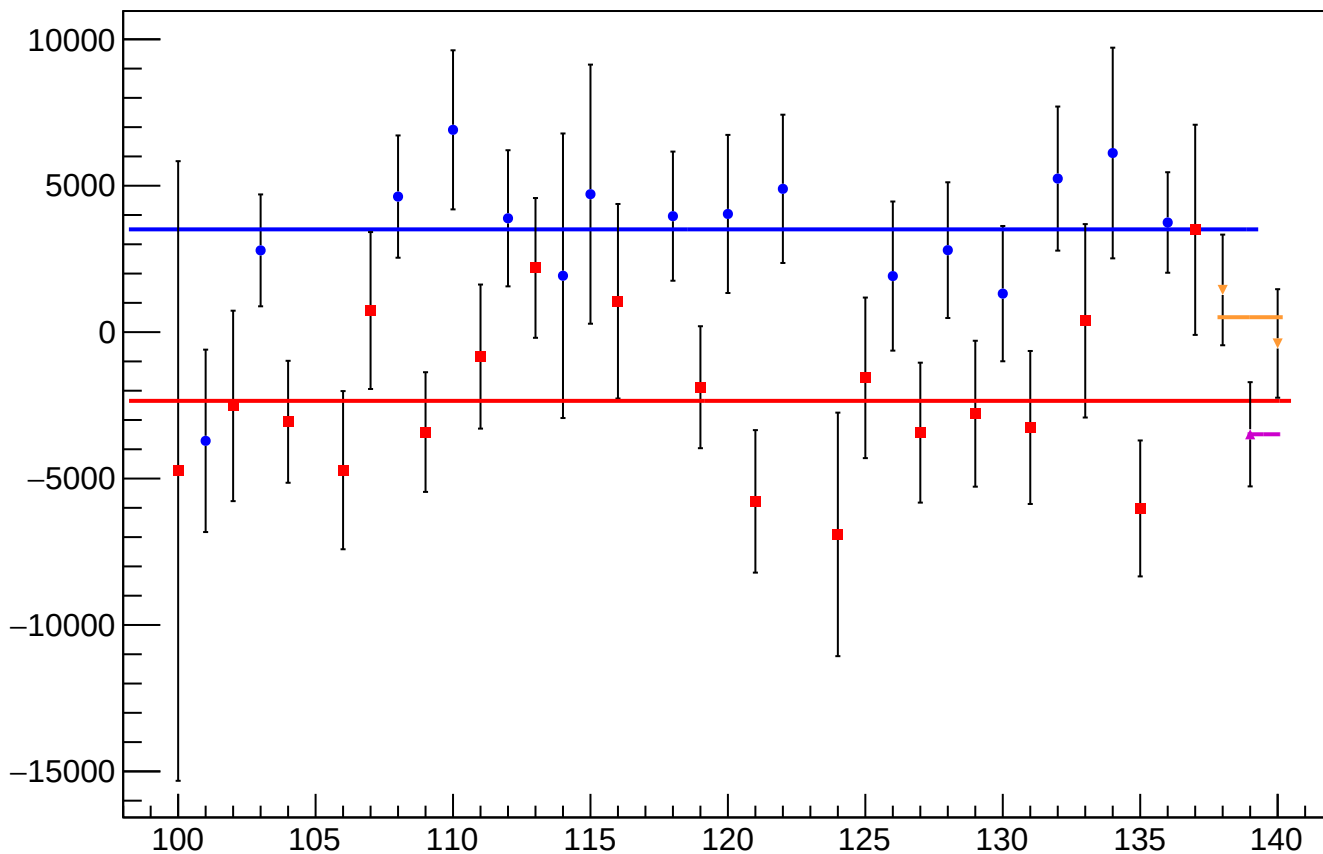
Left In: 5599.052+/-4.310 χ^2/NDF : 0.0/0

+ sign 4806.638+/-1.173 χ^2/NDF : 806905.7/17

All: 4749.622+/-0.839 χ^2/NDF : 1837894.0/37

- sign 4690.096+/-1.199 χ^2/NDF : 1026163.1/19

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 509.632 $\pm$ 1323.052 χ^2 /NDF: 0.5/1

Right Out: -2346.859 $\pm$ 607.502 χ^2 /NDF: 17.1/18

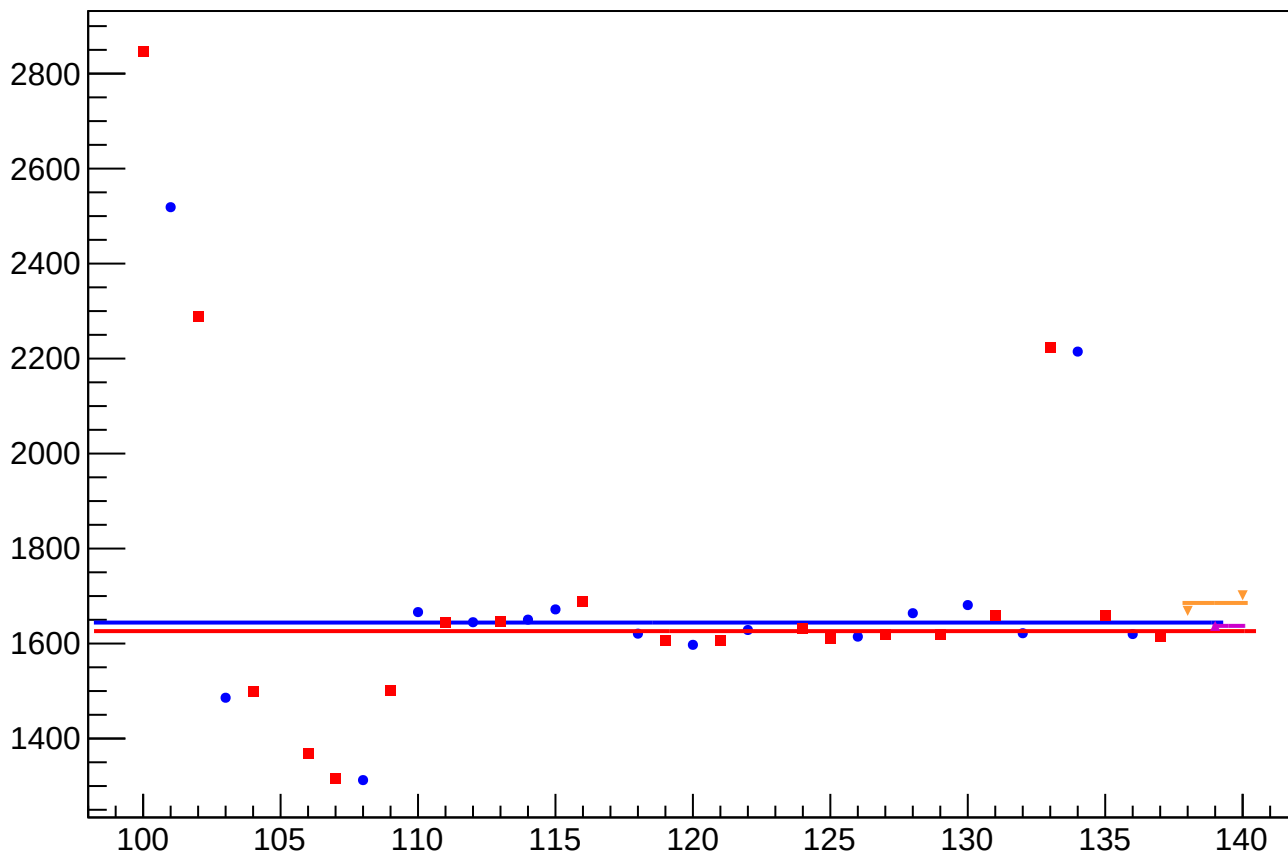
Left In: -3487.952 $\pm$ 1779.758 χ^2 /NDF: 0.0/0

+ sign 2974.032 $\pm$ 558.978 χ^2 /NDF: 15.1/17

All: 330.566 $\pm$ 400.779 χ^2 /NDF: 78.6/37

- sign -2465.937 $\pm$ 574.931 χ^2 /NDF: 17.5/19

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 $\pm$ 0.436 χ^2 /NDF: 274817.9/15

Left Out: 1685.490 $\pm$ 0.936 χ^2 /NDF:306.0/1

Right Out: 1626.174 $\pm$ 0.429 χ^2 /NDF: 237639.1/18

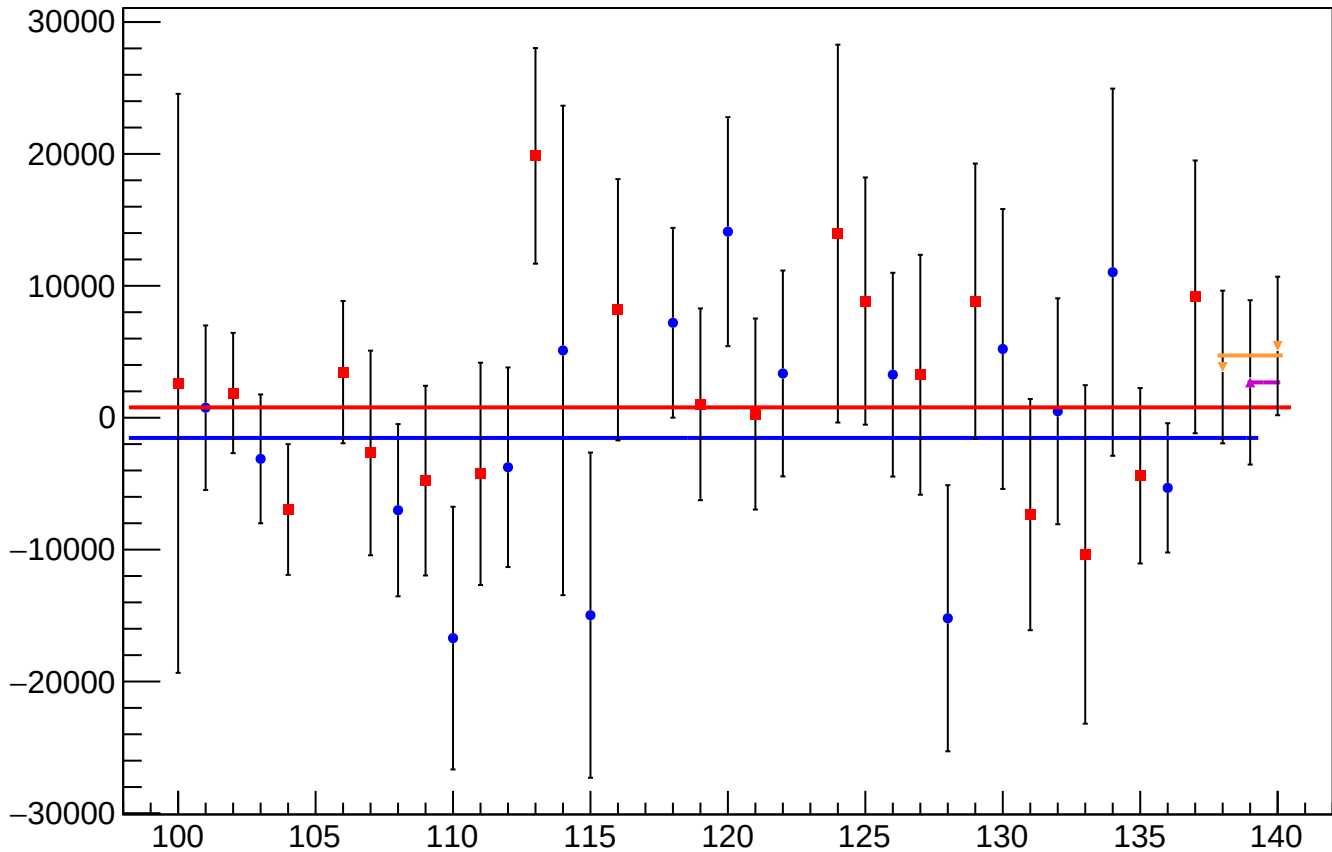
Left In: 1637.237 $\pm$ 1.258 χ^2 /NDF:0.0/0

+ sign 1651.569 $\pm$ 0.395 χ^2 /NDF: 276724.3/17

All: 1639.779 $\pm$ 0.283 χ^2 /NDF: 516262.0/37

- sign 1627.327 $\pm$ 0.406 χ^2 /NDF: 237708.4/19

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF : 13.9/15

Left Out: 4720.648+/-3889.152 χ^2/NDF : 0.0/1

Right Out: 784.235+/-1748.566 χ^2/NDF : 15.0/18

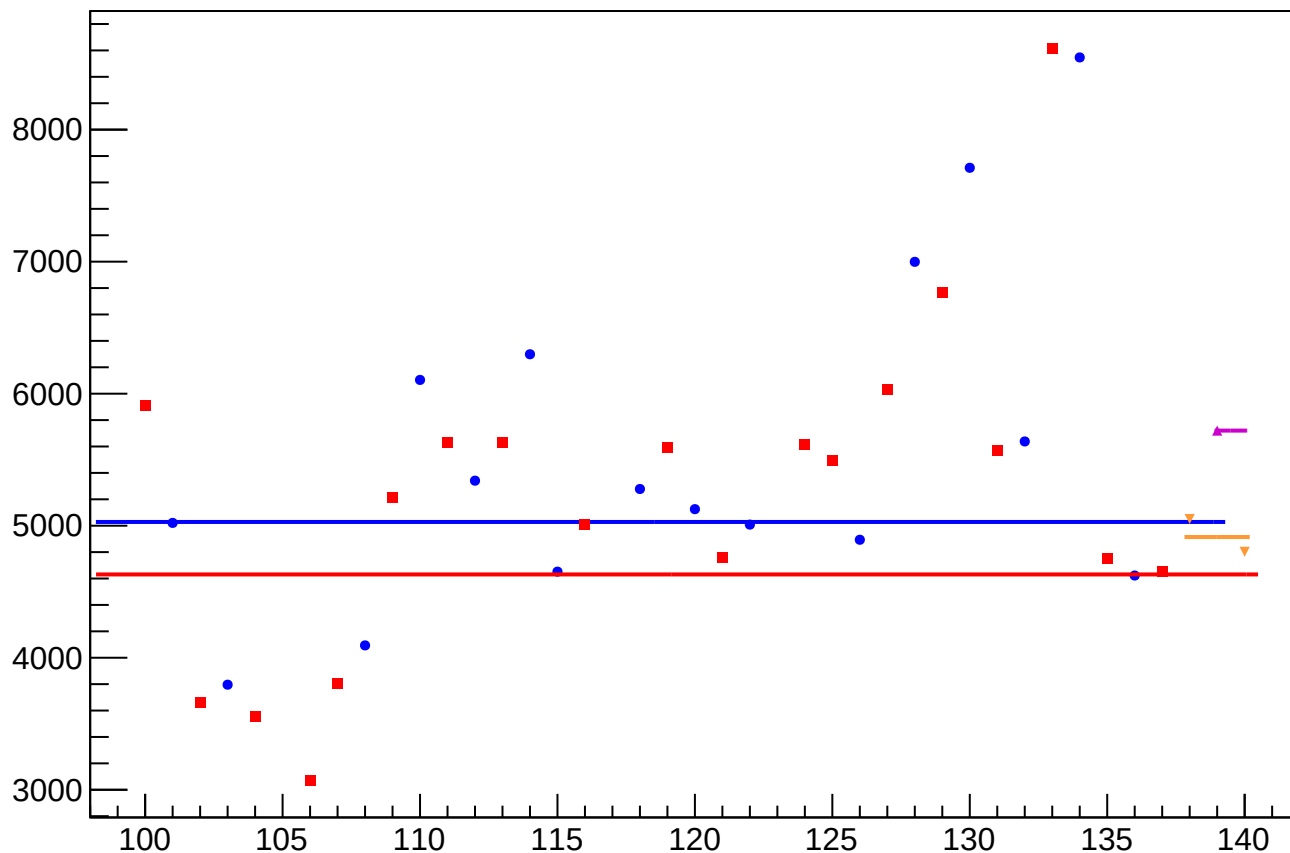
Left In: 2679.103+/-6230.768 χ^2/NDF : 0.0/0

+ sign -313.175+/-1717.155 χ^2/NDF : 16.0/17

All: 316.916+/-1202.147 χ^2/NDF : 31.4/37

- sign 922.572+/-1683.529 χ^2/NDF : 15.1/19

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF : 565469.4/15

Left Out: 4914.414+/-2.750 χ^2/NDF : 2018.3/1

Right Out: 4630.901+/-1.236 χ^2/NDF : 863515.0/18

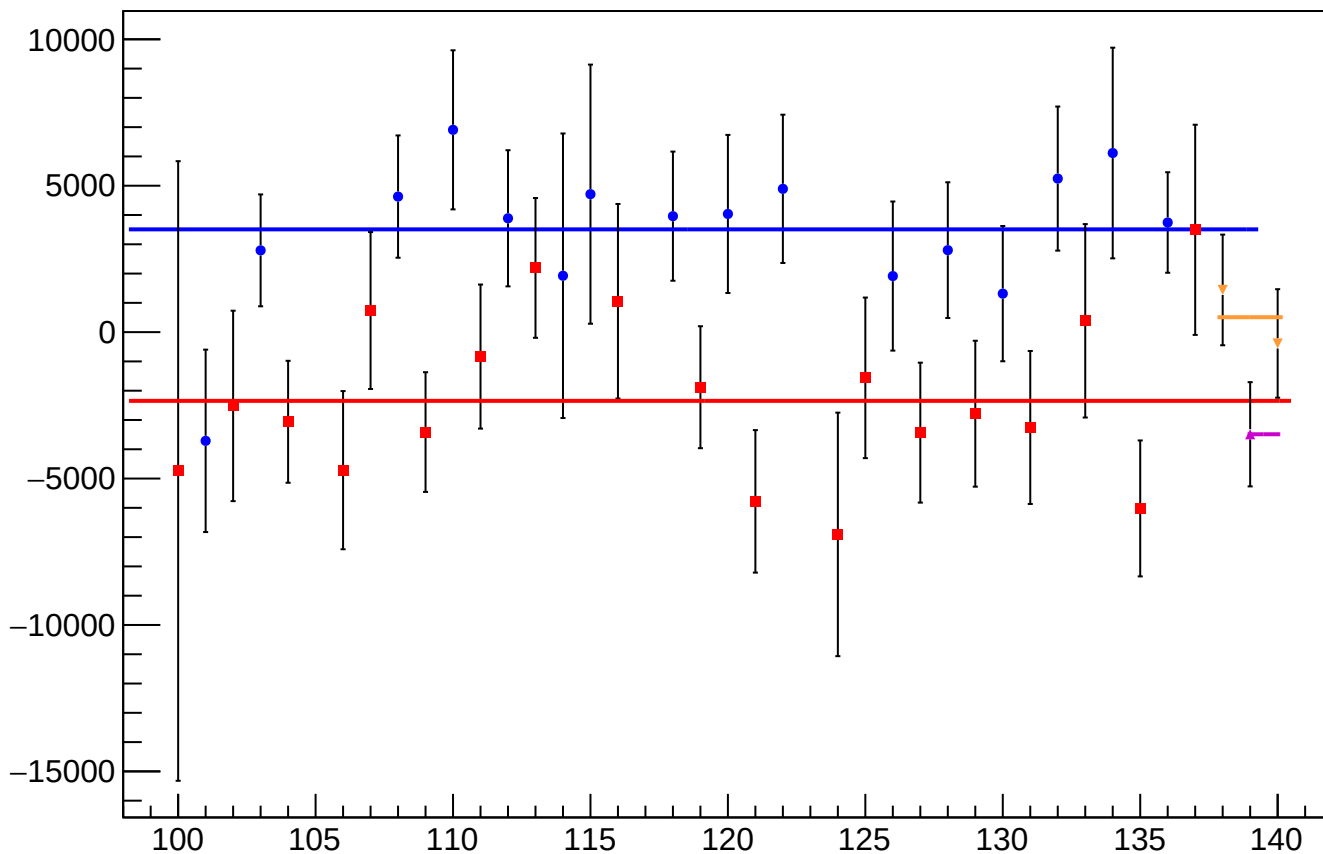
Left In: 5720.379+/-4.406 χ^2/NDF : 0.0/0

+ sign 5006.219+/-1.214 χ^2/NDF : 568872.1/17

All: 4855.405+/-0.850 χ^2/NDF : 1519327.8/37

- sign 4710.439+/-1.190 χ^2/NDF : 920199.0/19

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 509.627 $\pm$ 1323.053 χ^2 /NDF: 0.5/1

Right Out: -2346.865 $\pm$ 607.502 χ^2 /NDF: 17.1/18

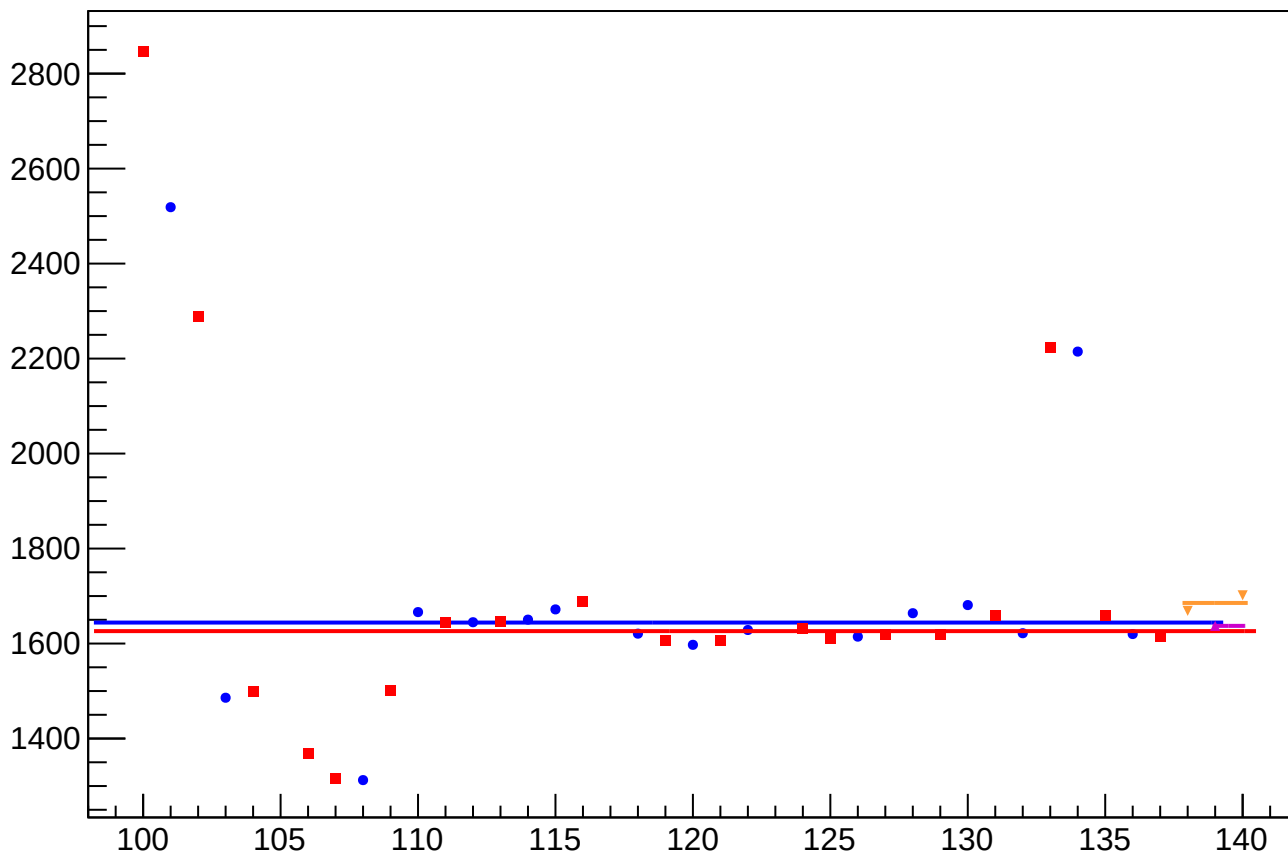
Left In: -3487.910 $\pm$ 1779.759 χ^2 /NDF: 0.0/0

+ sign 2974.033 $\pm$ 558.978 χ^2 /NDF: 15.1/17

All: 330.567 $\pm$ 400.779 χ^2 /NDF: 78.6/37

- sign -2465.937 $\pm$ 574.931 χ^2 /NDF: 17.5/19

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 $\pm$ 0.436 χ^2 /NDF: 274818.1/15

Left Out: 1685.490 $\pm$ 0.936 χ^2 /NDF:306.0/1

Right Out: 1626.174 $\pm$ 0.429 χ^2 /NDF: 237638.8/18

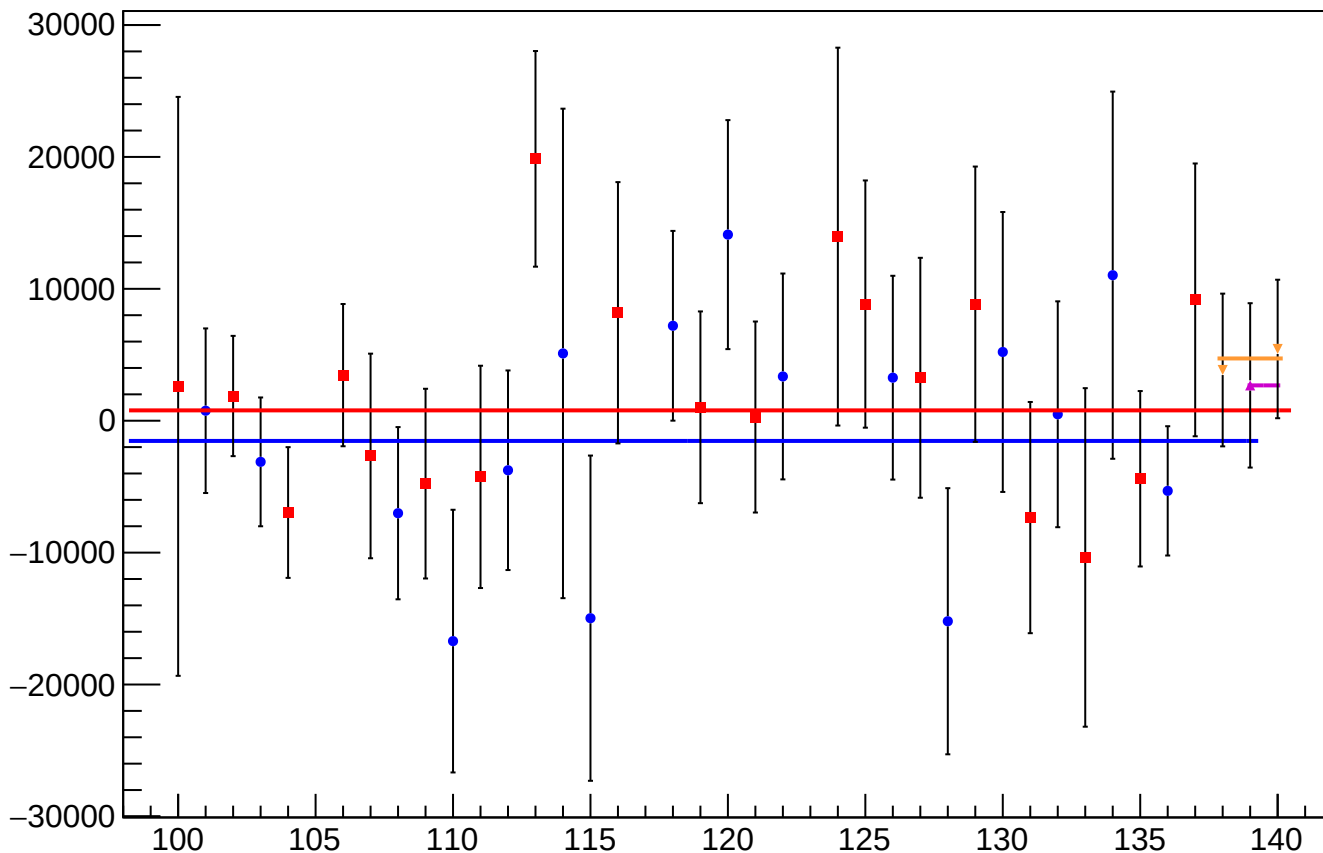
Left In: 1637.238 $\pm$ 1.258 χ^2 /NDF:0.0/0

+ sign 1651.568 $\pm$ 0.395 χ^2 /NDF: 276724.5/17

All: 1639.779 $\pm$ 0.283 χ^2 /NDF: 516261.8/37

- sign 1627.327 $\pm$ 0.406 χ^2 /NDF: 237708.0/19

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095 $\pm$ 1913.796 χ^2 /NDF: 13.9/15

Left Out: 4720.646 $\pm$ 3889.156 χ^2 /NDF: 0.0/1

Right Out: 784.236 $\pm$ 1748.563 χ^2 /NDF: 15.0/18

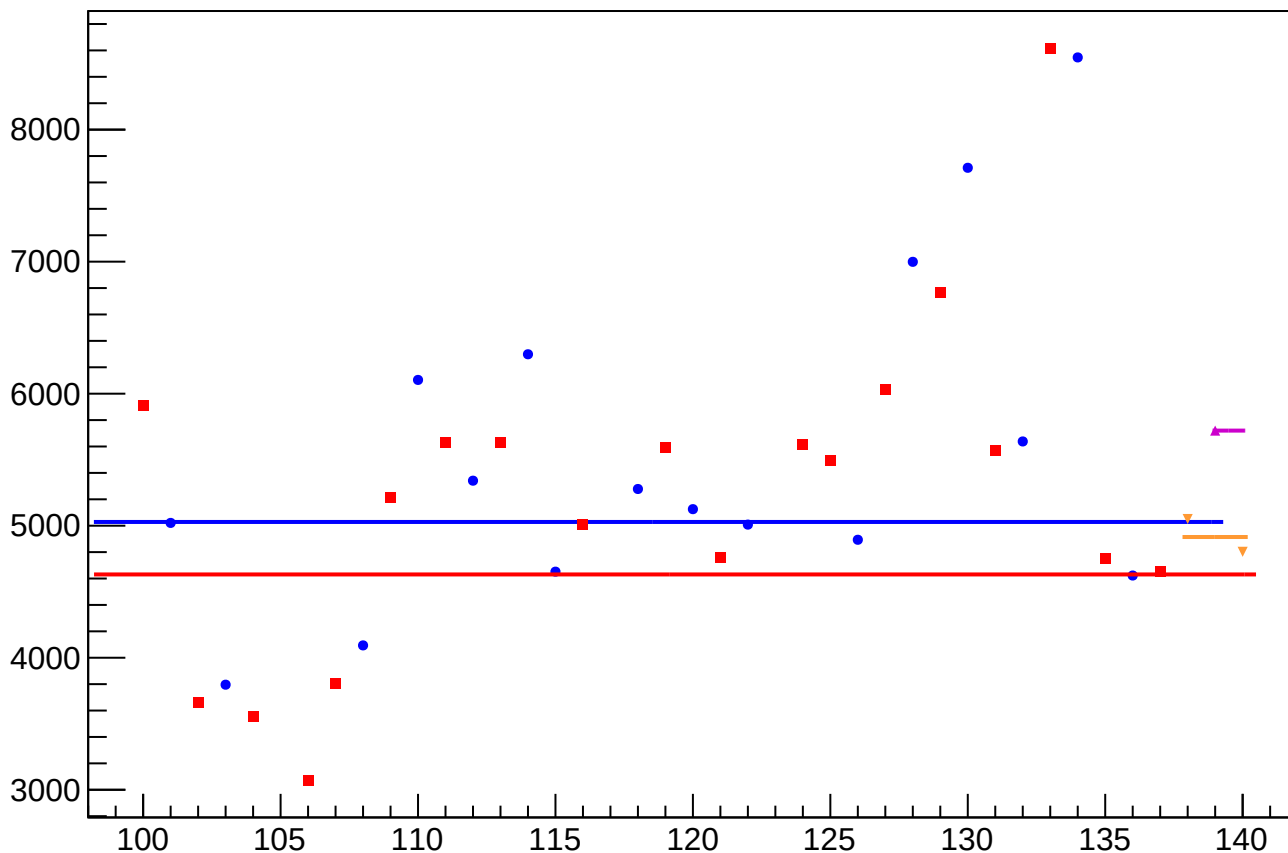
Left In: 2679.152 $\pm$ 6230.784 χ^2 /NDF: 0.0/0

+ sign -313.168 $\pm$ 1717.153 χ^2 /NDF: 16.0/17

All: 316.922 $\pm$ 1202.145 χ^2 /NDF: 31.4/37

- sign 922.575 $\pm$ 1683.526 χ^2 /NDF: 15.1/19

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF : 565463.1/15

Left Out: 4914.419+/-2.750 χ^2/NDF : 2018.5/1

Right Out: 4630.895+/-1.236 χ^2/NDF : 863509.0/18

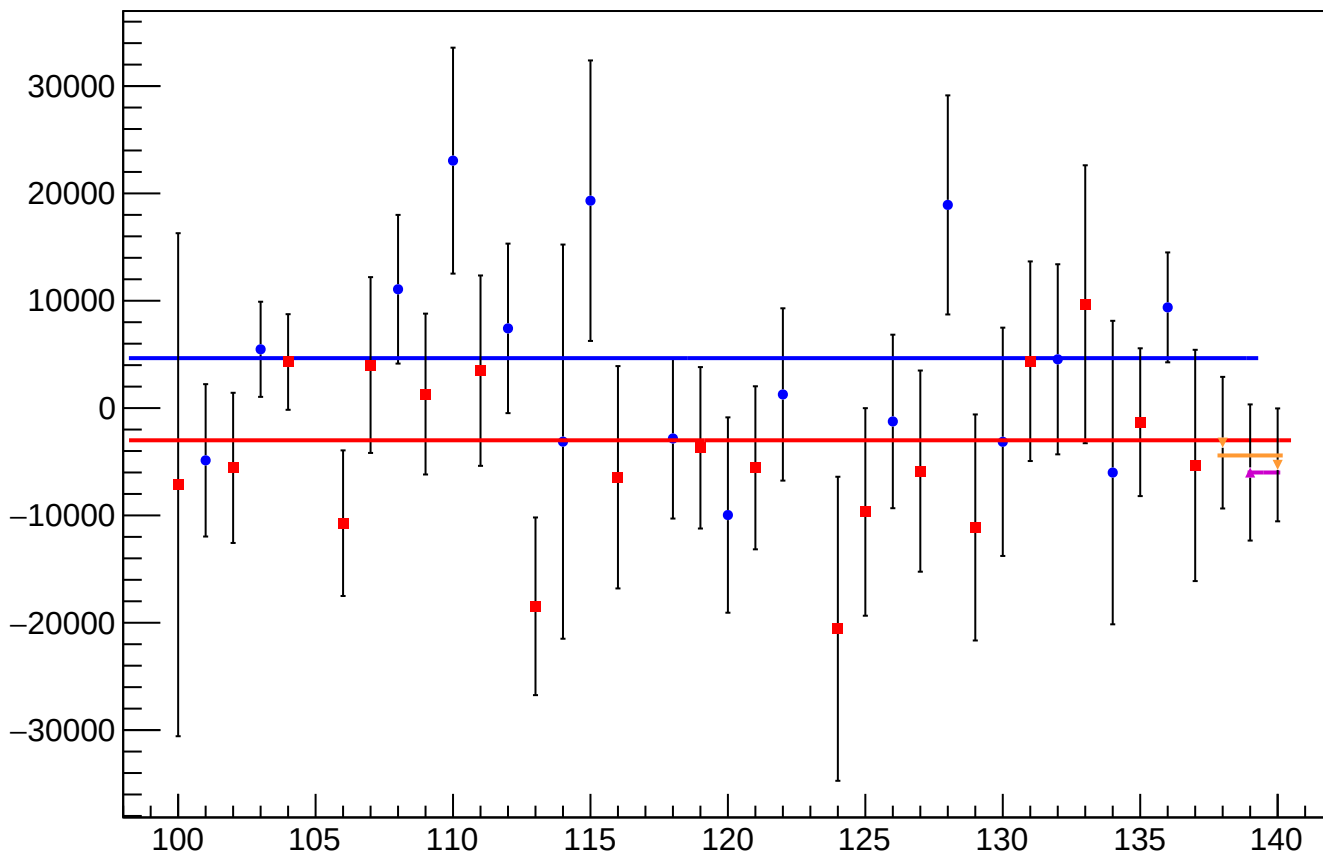
Left In: 5720.394+/-4.406 χ^2/NDF : 0.0/0

+ sign 5006.215+/-1.214 χ^2/NDF : 568865.6/17

All: 4855.400+/-0.850 χ^2/NDF : 1519317.7/37

- sign 4710.434+/-1.190 χ^2/NDF : 920195.0/19

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137 $\pm$ 1958.496 χ^2 /NDF: 15.5/15

Left Out: -4414.012 $\pm$ 3992.368 χ^2 /NDF: 0.1/1

Right Out: -3000.980 $\pm$ 1882.821 χ^2 /NDF: 13.9/18

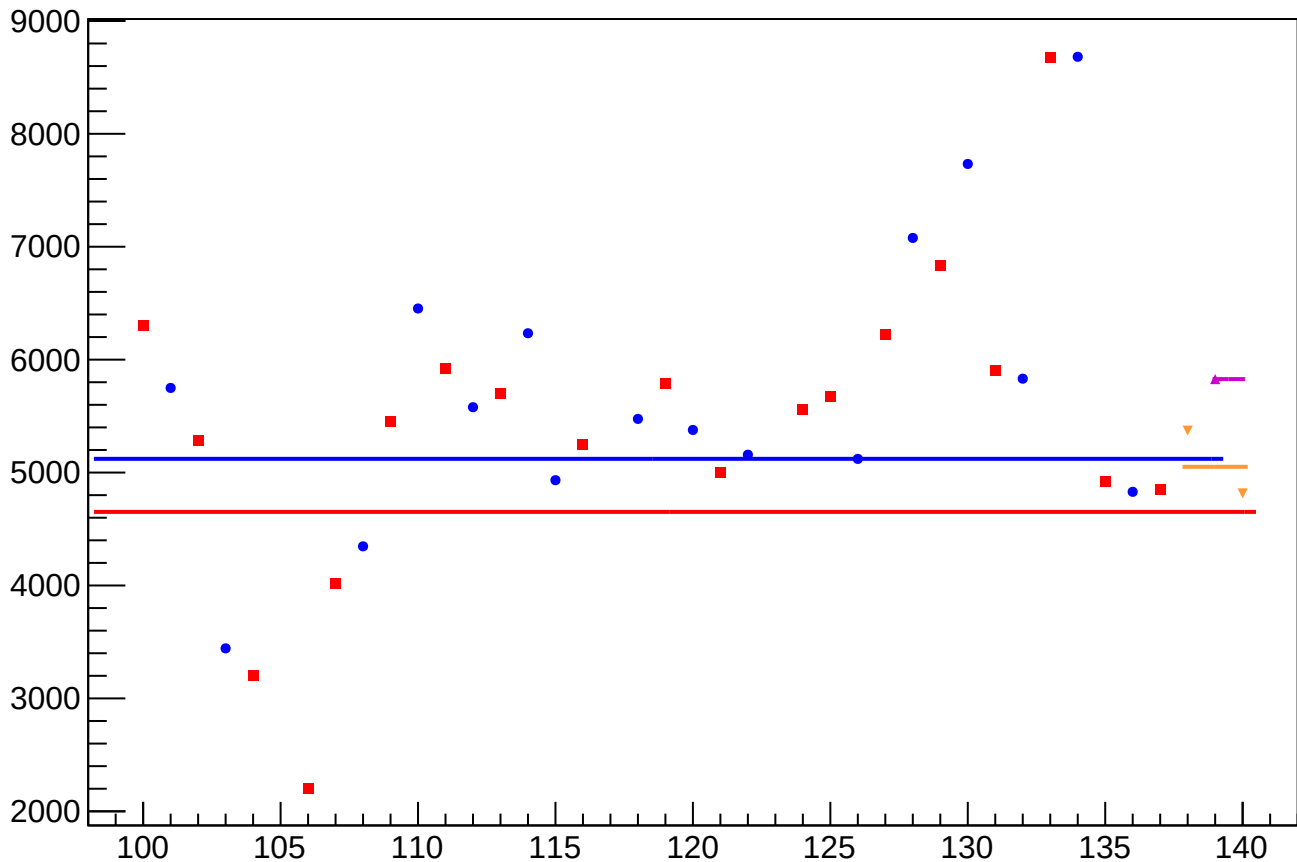
Left In: -6001.098 $\pm$ 6343.000 χ^2 /NDF: 0.0/0

+ sign 2894.380 $\pm$ 1758.321 χ^2 /NDF: 19.7/17

All: -94.405 $\pm$ 1259.493 χ^2 /NDF: 39.8/37

- sign -3243.917 $\pm$ 1804.980 χ^2 /NDF: 14.1/19

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF : 720370.1/15

Left Out: 5051.078+/-2.823 χ^2/NDF : 9464.8/1

Right Out: 4651.727+/-1.280 χ^2/NDF : 1344868.0/18

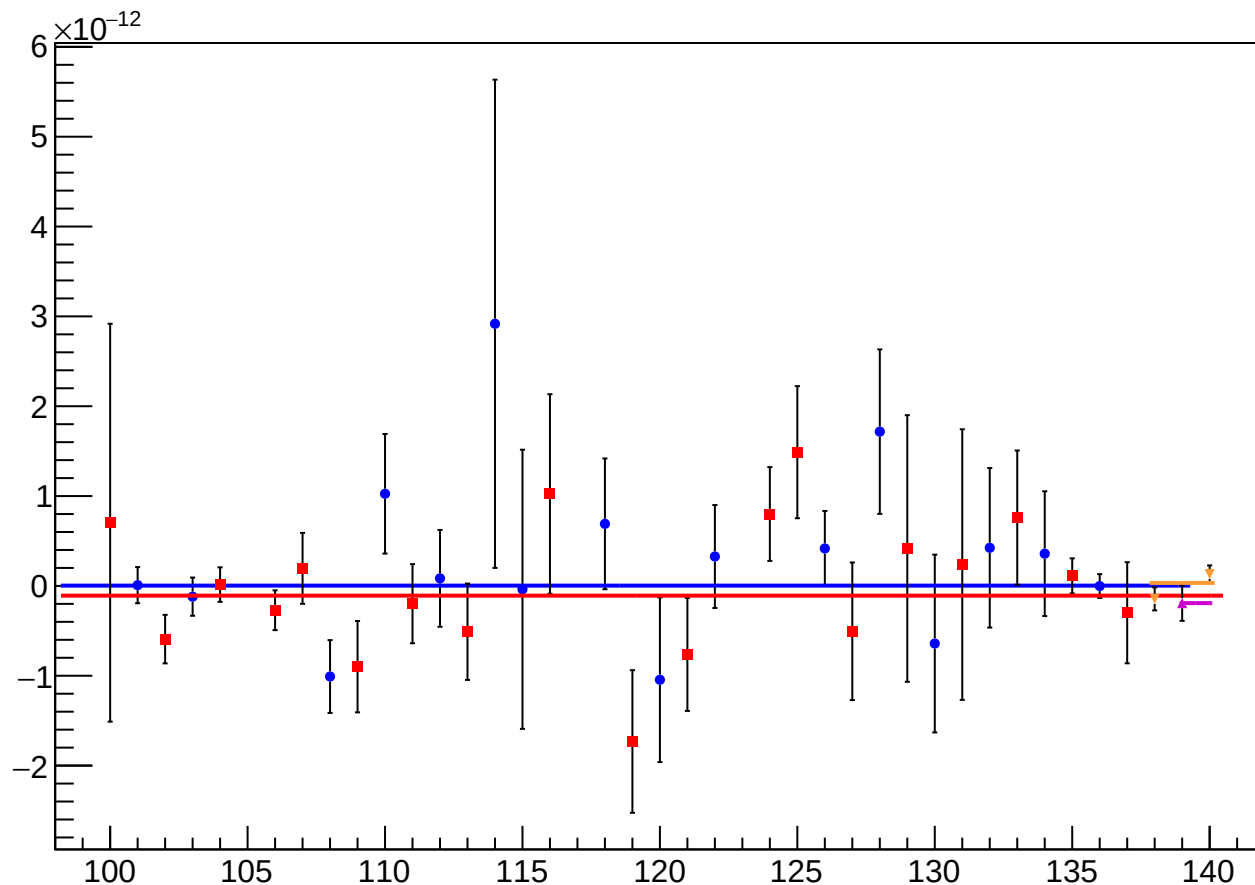
Left In: 5827.717+/-4.485 χ^2/NDF : 0.0/0

+ sign 5107.956+/-1.243 χ^2/NDF : 730338.5/17

All: 4922.341+/-0.875 χ^2/NDF : 2182913.7/37

- sign 4740.337+/-1.231 χ^2/NDF : 1408434.1/19

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 : 3.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.1/18

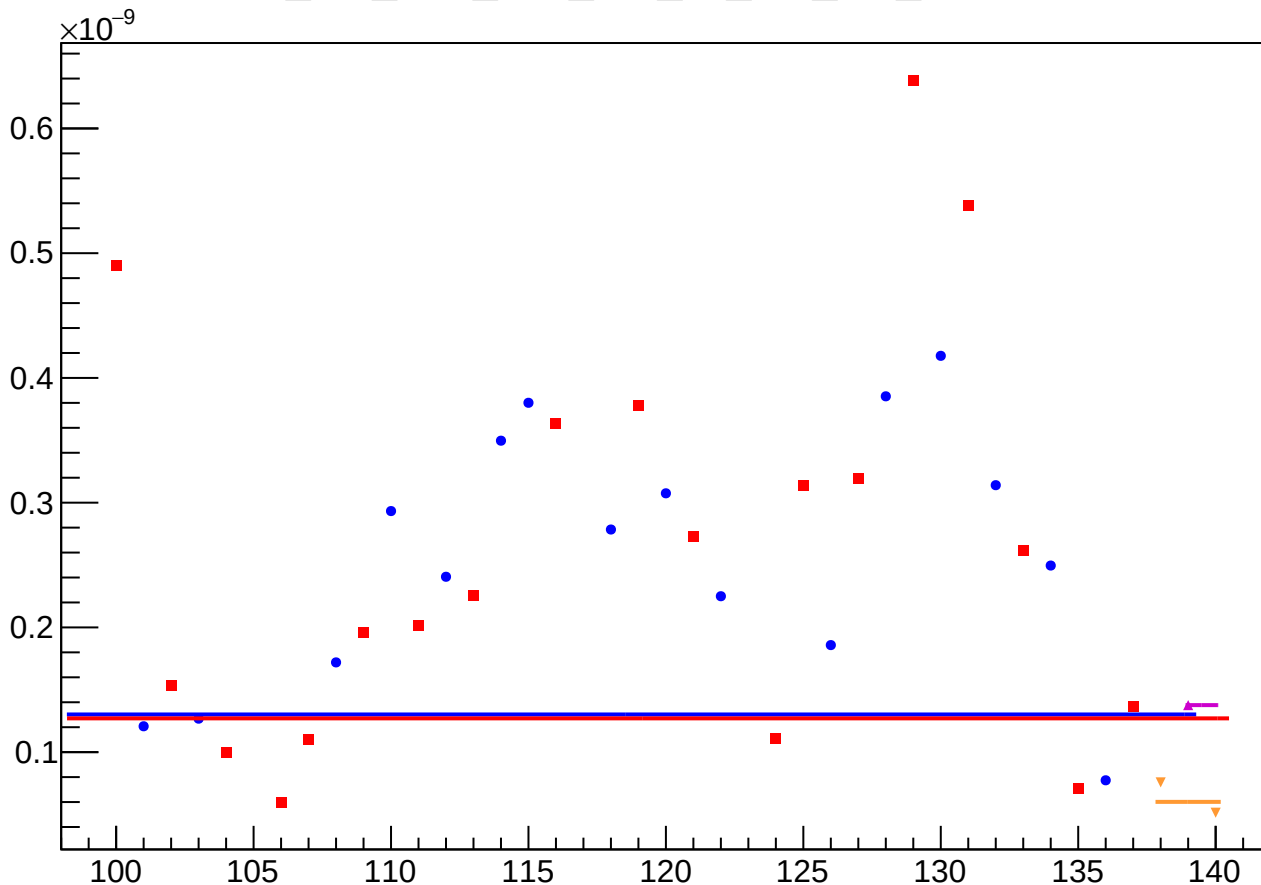
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 21.1/17

All: -0.000 ± 0.000 χ^2/NDF : 48.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 25.3/19

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 46052.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1734331.2/18

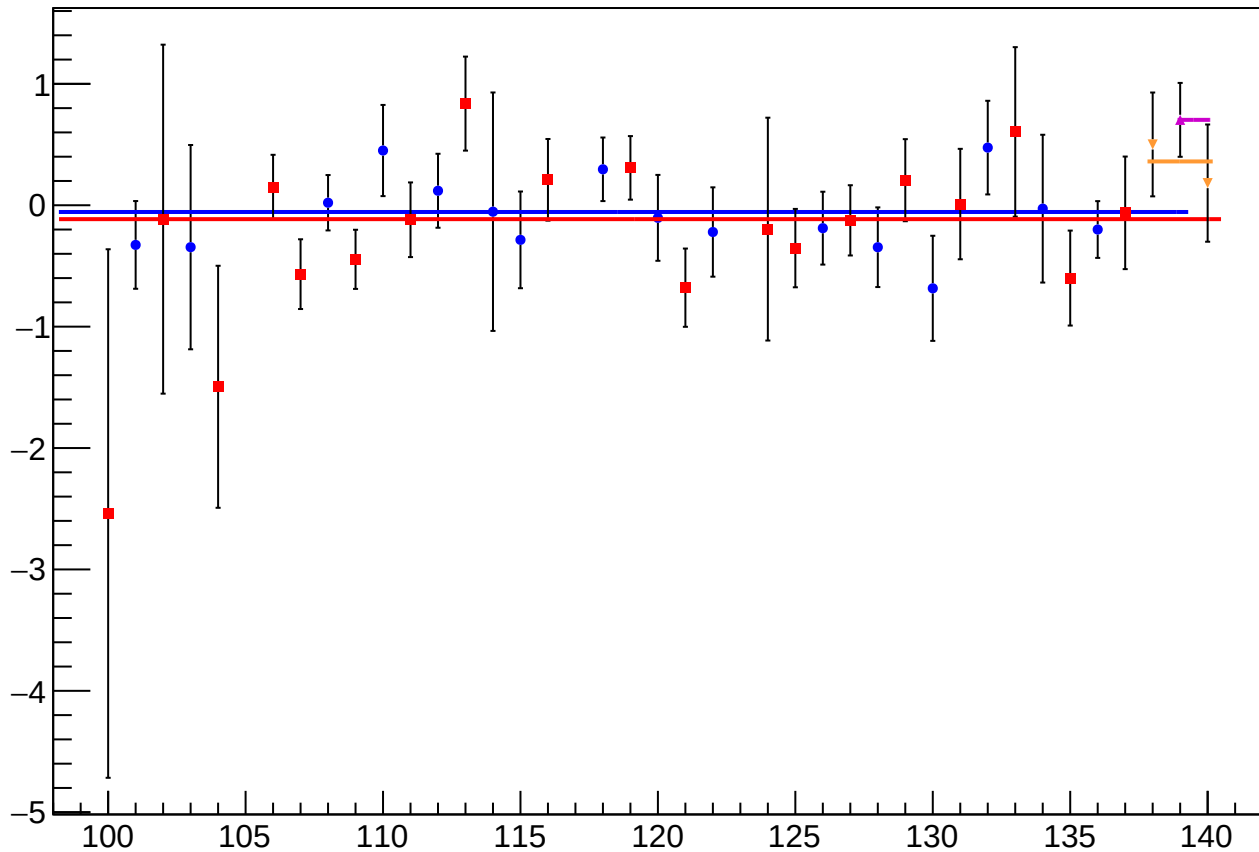
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2109164.6/17

All: 0.000+/-0.000 χ^2/NDF : 4136618.1/37

- sign 0.000+/-0.000 χ^2/NDF : 1739135.8/19

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: 0.361 ± 0.320 χ^2/NDF : 0.2/1

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

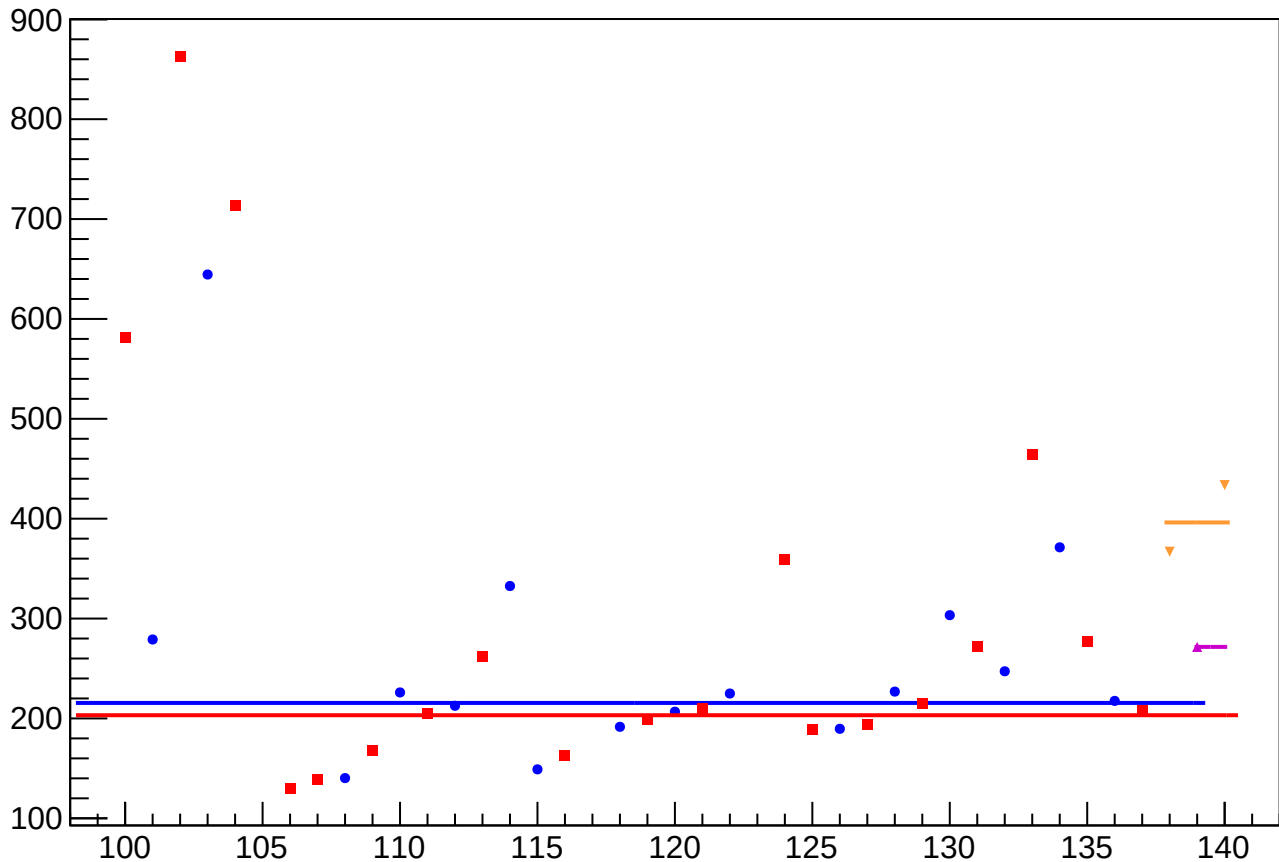
Left In: 0.703 ± 0.304 χ^2/NDF : 0.0/0

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.043 ± 0.058 χ^2/NDF : 44.5/37

- sign -0.058 ± 0.080 χ^2/NDF : 32.0/19

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519 $\pm$ 0.060 χ^2 /NDF: 1148727.3/15

Left Out: 396.237 $\pm$ 0.226 χ^2 /NDF: 21398.2/1

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 183552.6/18

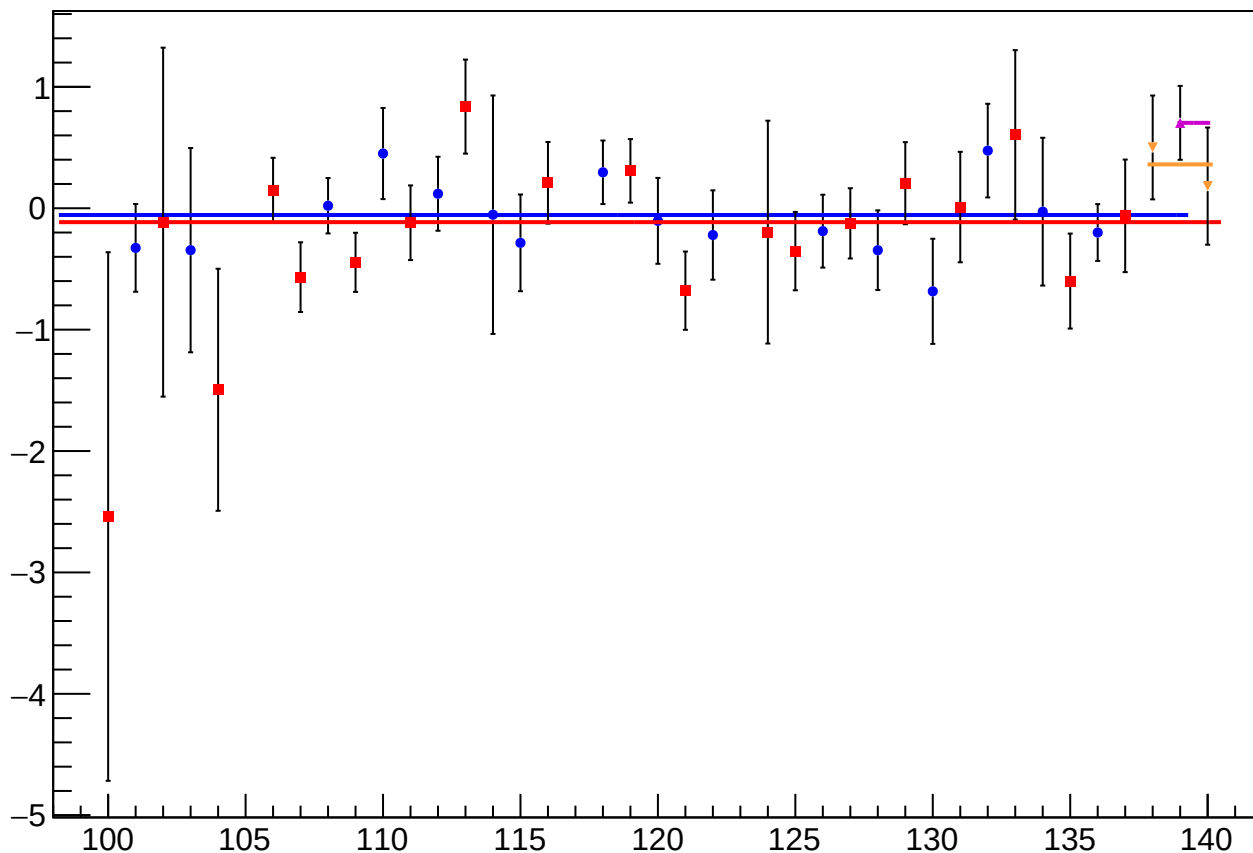
Left In: 271.612 $\pm$ 0.215 χ^2 /NDF: 0.0/0

+ sign 227.542 $\pm$ 0.058 χ^2 /NDF: 1764973.5/17

All: 217.476 $\pm$ 0.041 χ^2 /NDF: 3752333.8/37

- sign 207.966 $\pm$ 0.057 χ^2 /NDF: 1929570.7/19

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.055 ± 0.085 χ^2/NDF : 10.7/15

Left Out: 0.361 ± 0.320 χ^2/NDF : 0.2/1

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

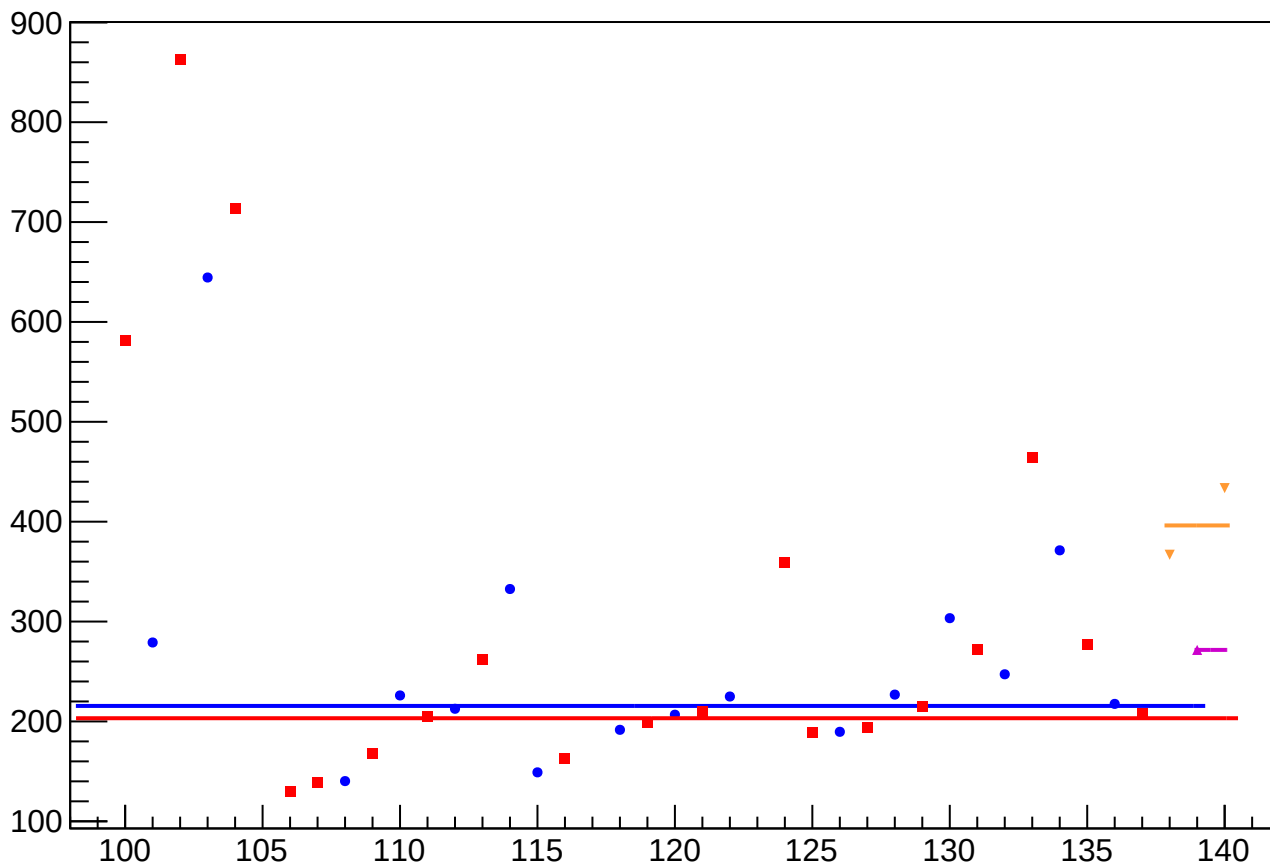
Left In: 0.703 ± 0.304 χ^2/NDF : 0.0/0

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.043 ± 0.058 χ^2/NDF : 44.5/37

- sign -0.058 ± 0.080 χ^2/NDF : 32.0/19

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.519 $\pm$ 0.060 χ^2 /NDF: 1148727.3/15

Left Out: 396.237 $\pm$ 0.226 χ^2 /NDF:21398.2/1

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 183552.6/18

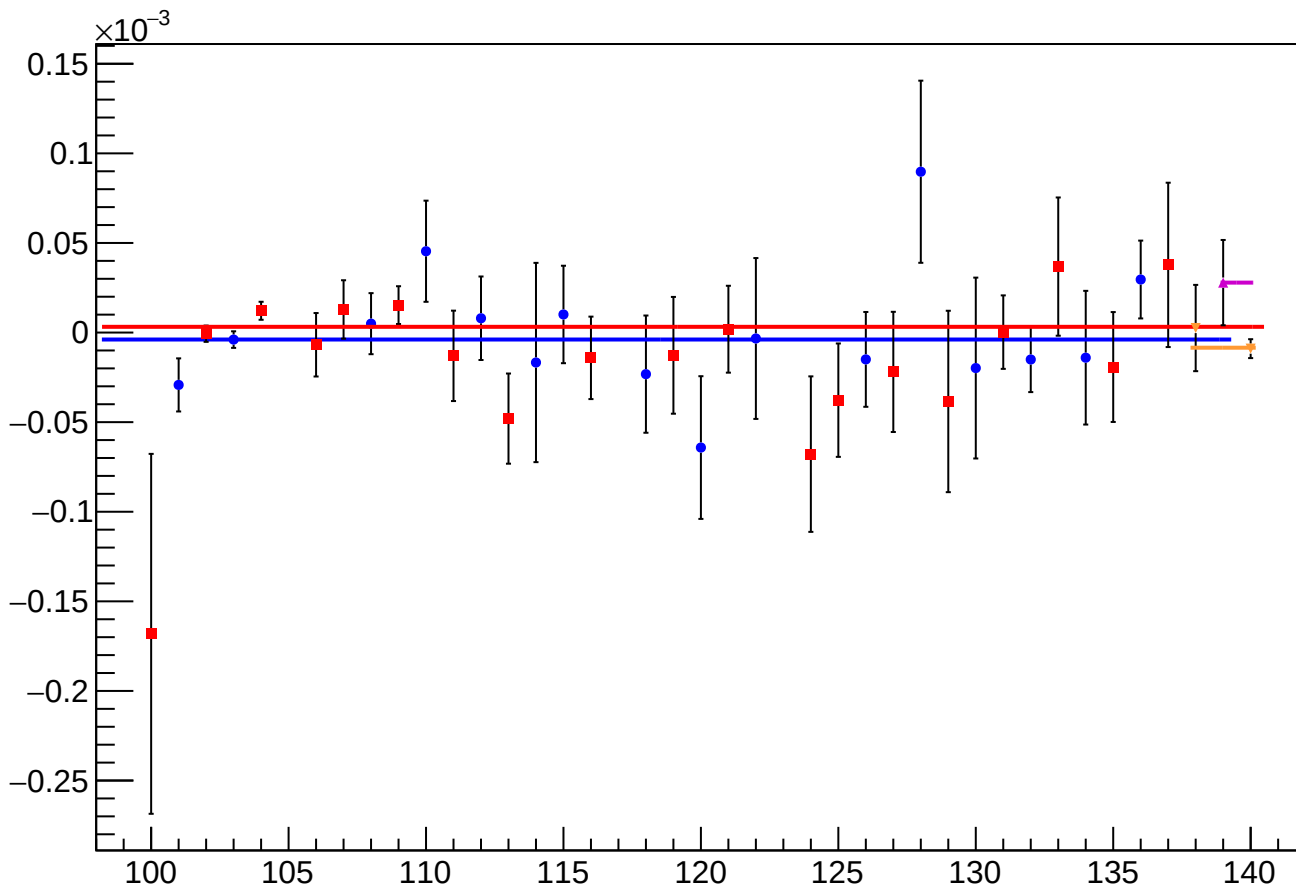
Left In: 271.612 $\pm$ 0.215 χ^2 /NDF:0.0/0

+ sign 227.542 $\pm$ 0.058 χ^2 /NDF: 1764973.5/17

All: 217.476 $\pm$ 0.041 χ^2 /NDF: 3752333.8/37

- sign 207.966 $\pm$ 0.057 χ^2 /NDF: 1929570.7/19

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2 /NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 21.6/18

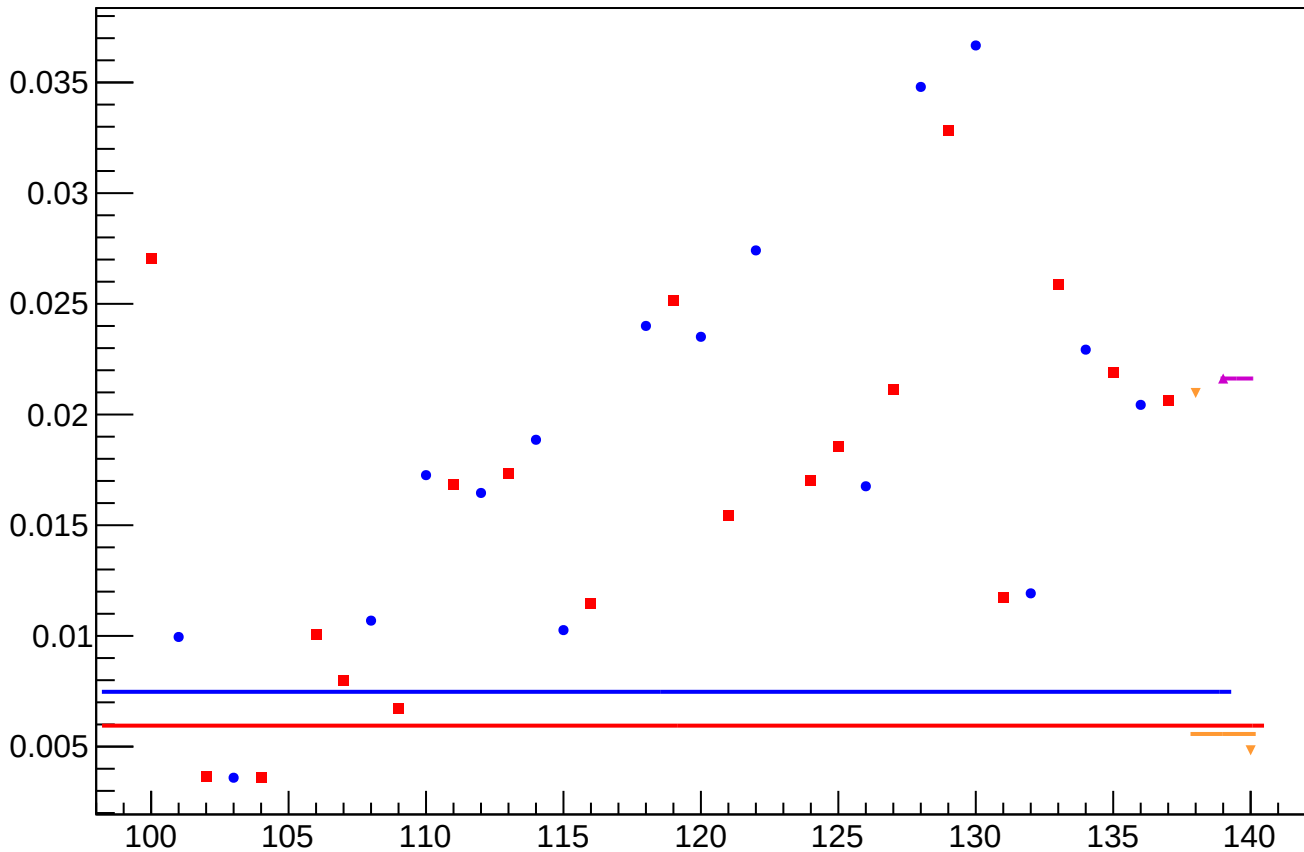
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 16.7/17

All: -0.000+/-0.000 χ^2 /NDF: 44.0/37

- sign 0.000+/-0.000 χ^2 /NDF: 22.7/19

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6076199.5/15

Left Out: 0.006+/-0.000 χ^2/NDF : 857706.4/1

Right Out: 0.006+/-0.000 χ^2/NDF : 5934015.2/18

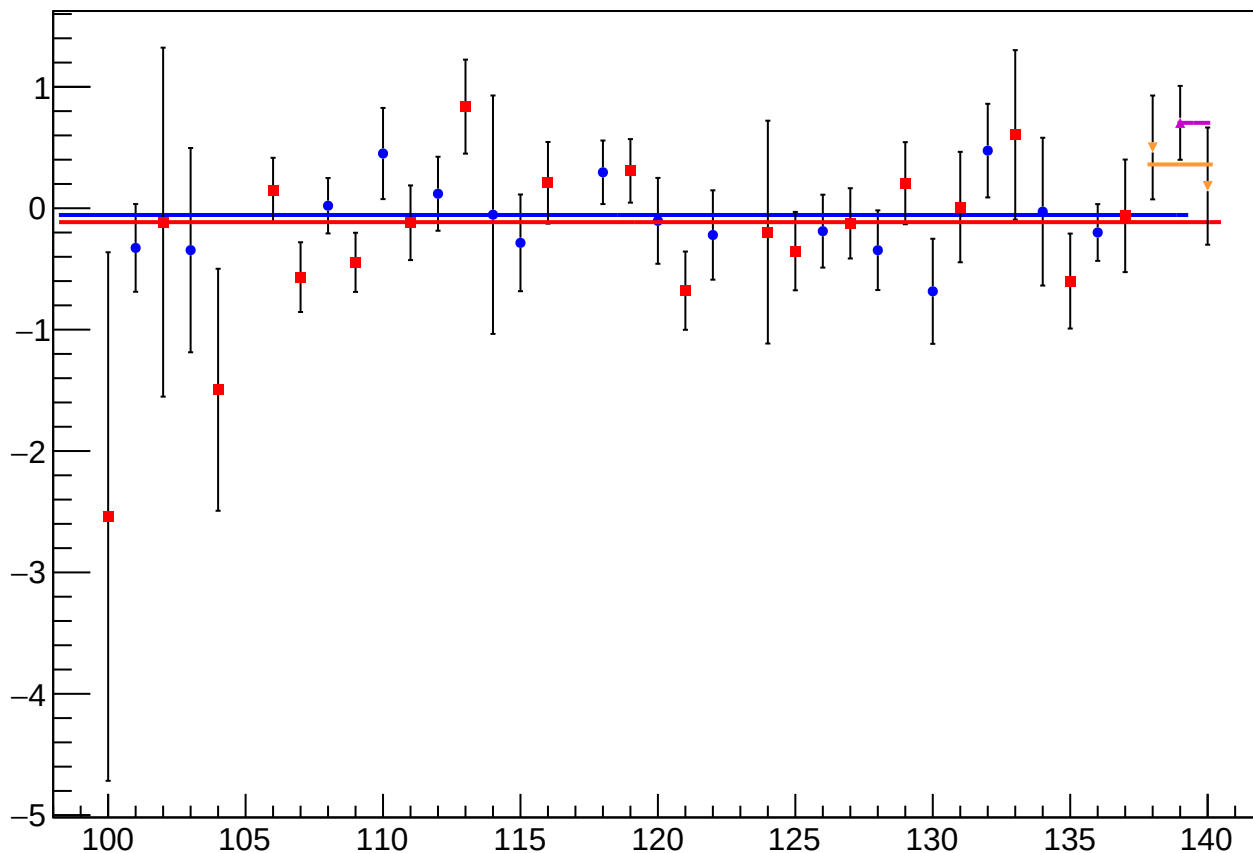
Left In: 0.022+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 7111378.0/17

All: 0.006+/-0.000 χ^2/NDF : 13946067.8/37

- sign 0.006+/-0.000 χ^2/NDF : 6789477.6/19

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.055 ± 0.085 χ^2/NDF : 10.7/15

Left Out: 0.361 ± 0.320 χ^2/NDF : 0.2/1

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

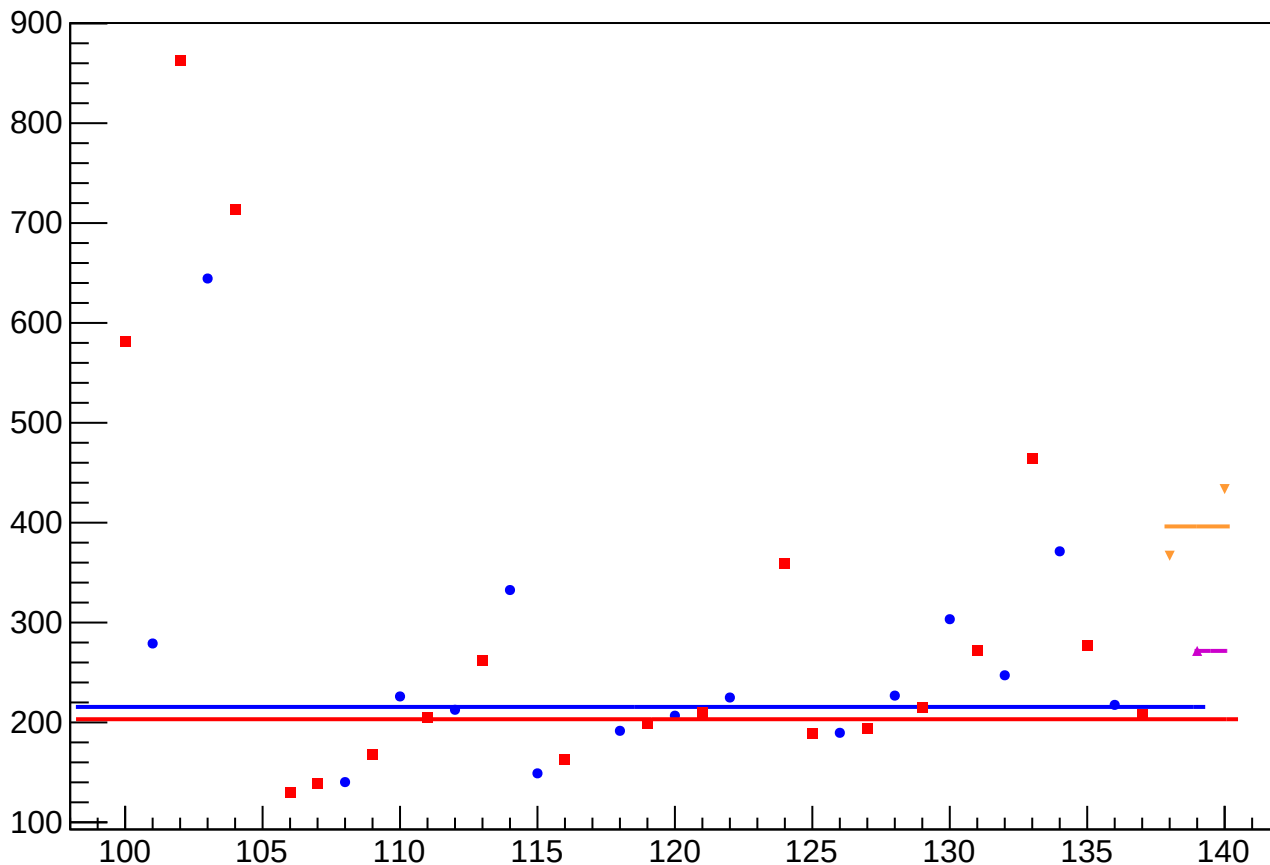
Left In: 0.704 ± 0.304 χ^2/NDF : 0.0/0

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.043 ± 0.058 χ^2/NDF : 44.5/37

- sign -0.058 ± 0.080 χ^2/NDF : 32.0/19

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 215.518 ± 0.060 $\chi^2/\text{NDF}: 1148700.9/15$

Left Out: 396.240 ± 0.226 $\chi^2/\text{NDF}: 21394.3/1$

Right Out: 203.205 ± 0.059 $\chi^2/\text{NDF}: 1835535.5/18$

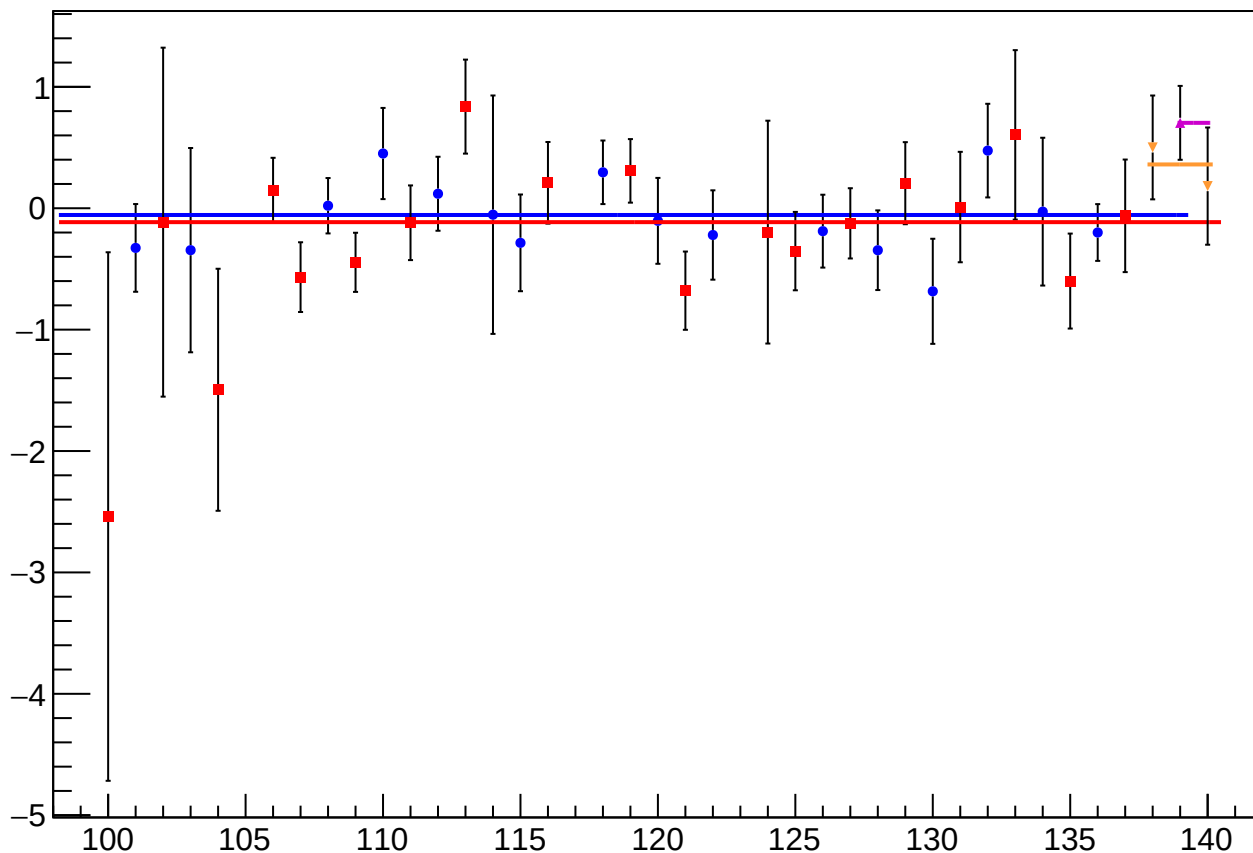
Left In: 271.617 ± 0.215 $\chi^2/\text{NDF}: 0.0/0$

+ sign 227.540 ± 0.058 $\chi^2/\text{NDF}: 1764966.0/17$

All: 217.475 ± 0.041 $\chi^2/\text{NDF}: 3752324.7/37$

- sign 207.965 ± 0.057 $\chi^2/\text{NDF}: 1929568.1/19$

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF : 10.7/15

Left Out: 0.361+/-0.320 χ^2/NDF : 0.2/1

Right Out: -0.114+/-0.083 χ^2/NDF : 25.2/18

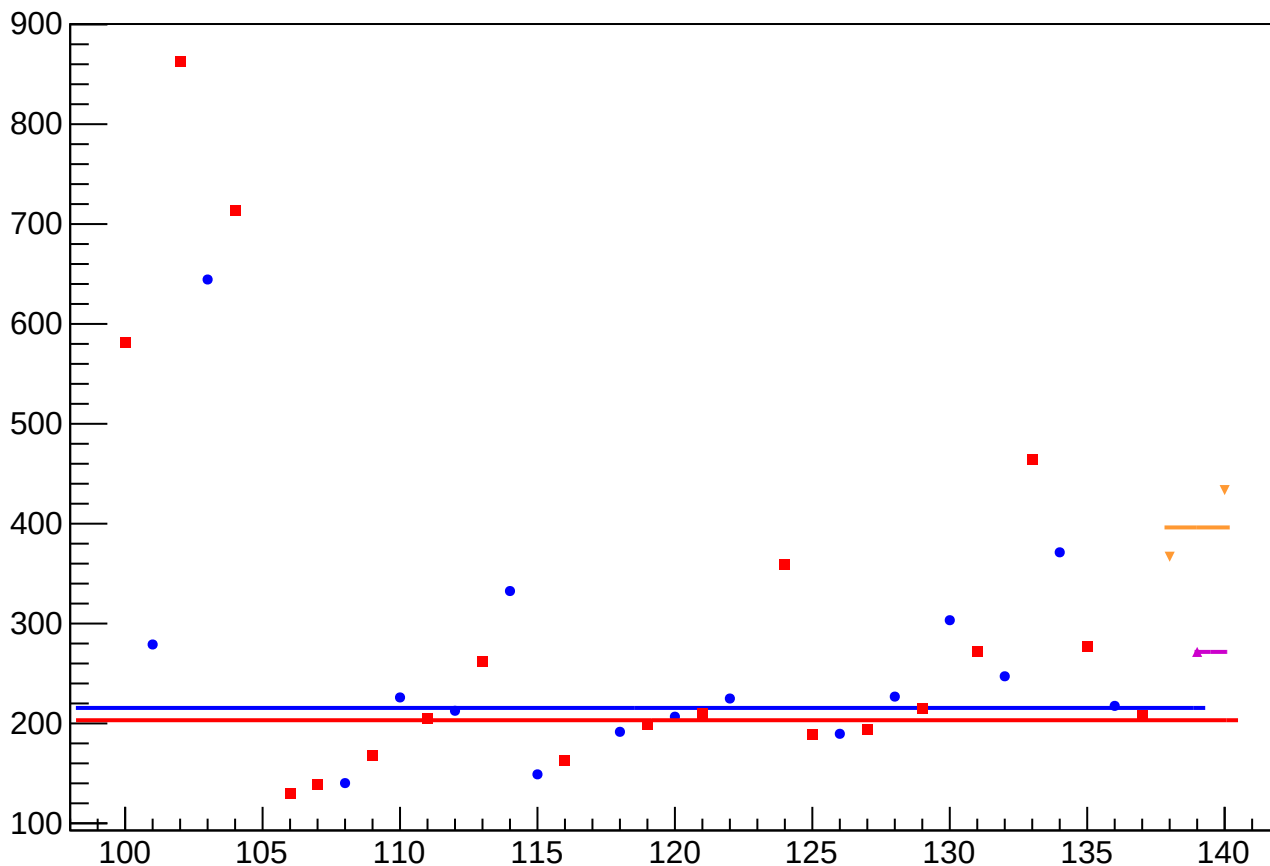
Left In: 0.704+/-0.304 χ^2/NDF : 0.0/0

+ sign -0.028+/-0.083 χ^2/NDF : 12.5/17

All: -0.043+/-0.058 χ^2/NDF : 44.5/37

- sign -0.058+/-0.080 χ^2/NDF : 32.0/19

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.518 $\pm$ 0.060 χ^2 /NDF: 1148700.9/15

Left Out: 396.240 $\pm$ 0.226 χ^2 /NDF:21394.3/1

Right Out: 203.205 $\pm$ 0.059 χ^2 /NDF: 1835535.5/18

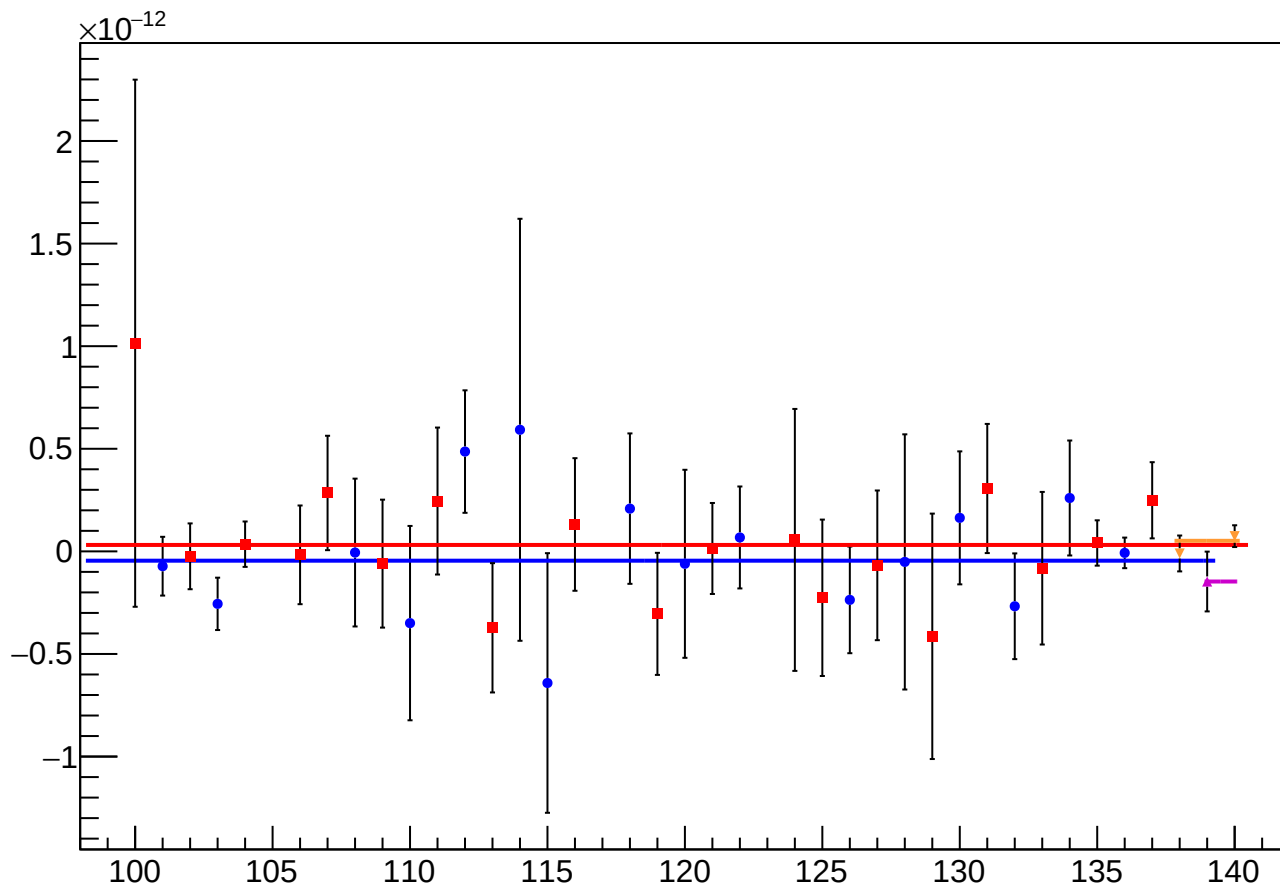
Left In: 271.617 $\pm$ 0.215 χ^2 /NDF:0.0/0

+ sign 227.540 $\pm$ 0.058 χ^2 /NDF: 1764966.0/17

All: 217.475 $\pm$ 0.041 χ^2 /NDF: 3752324.7/37

- sign 207.965 $\pm$ 0.057 χ^2 /NDF: 1929568.1/19

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.5/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 8.4/18

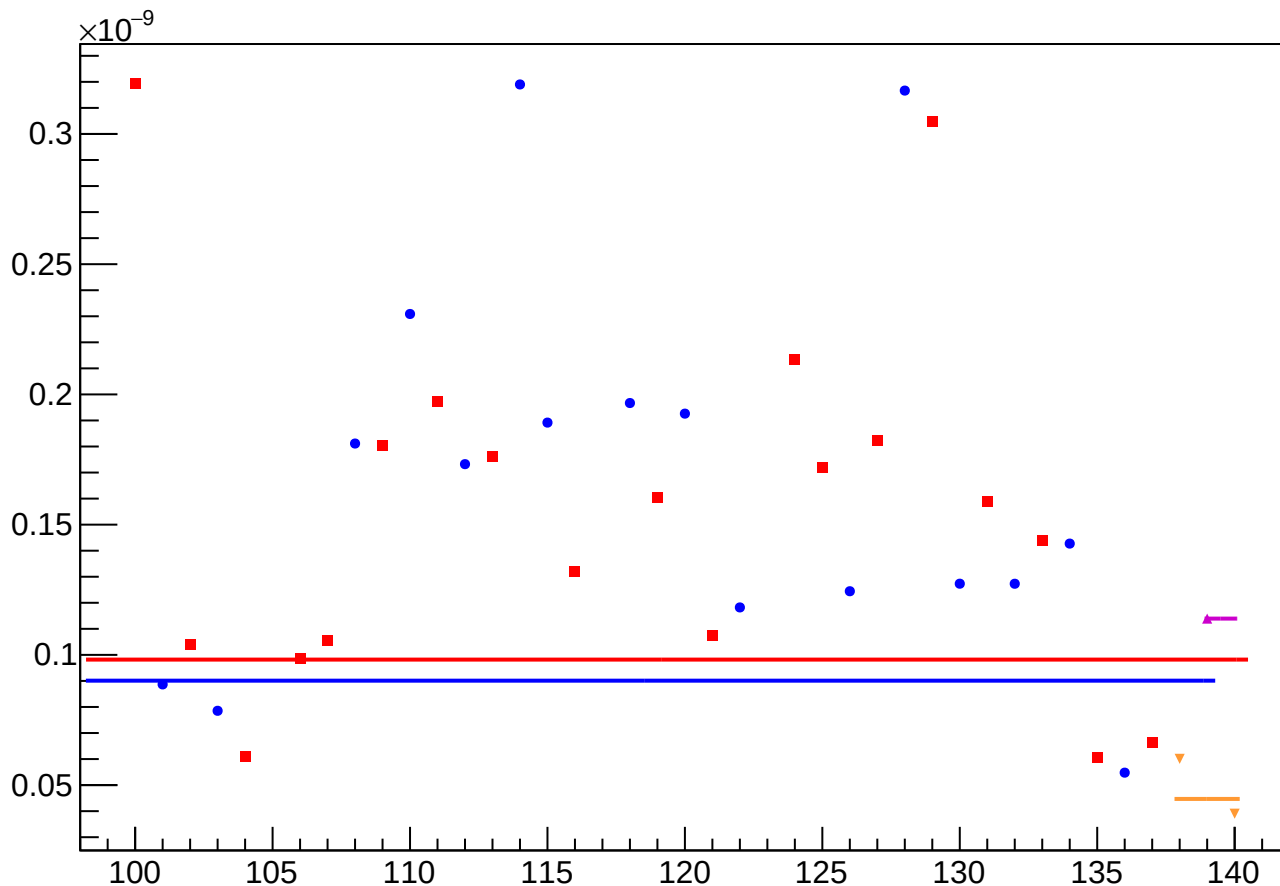
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 14.2/17

All: 0.000 ± 0.000 χ^2/NDF : 23.9/37

- sign 0.000 ± 0.000 χ^2/NDF : 9.7/19

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 84850.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1694726.3/18

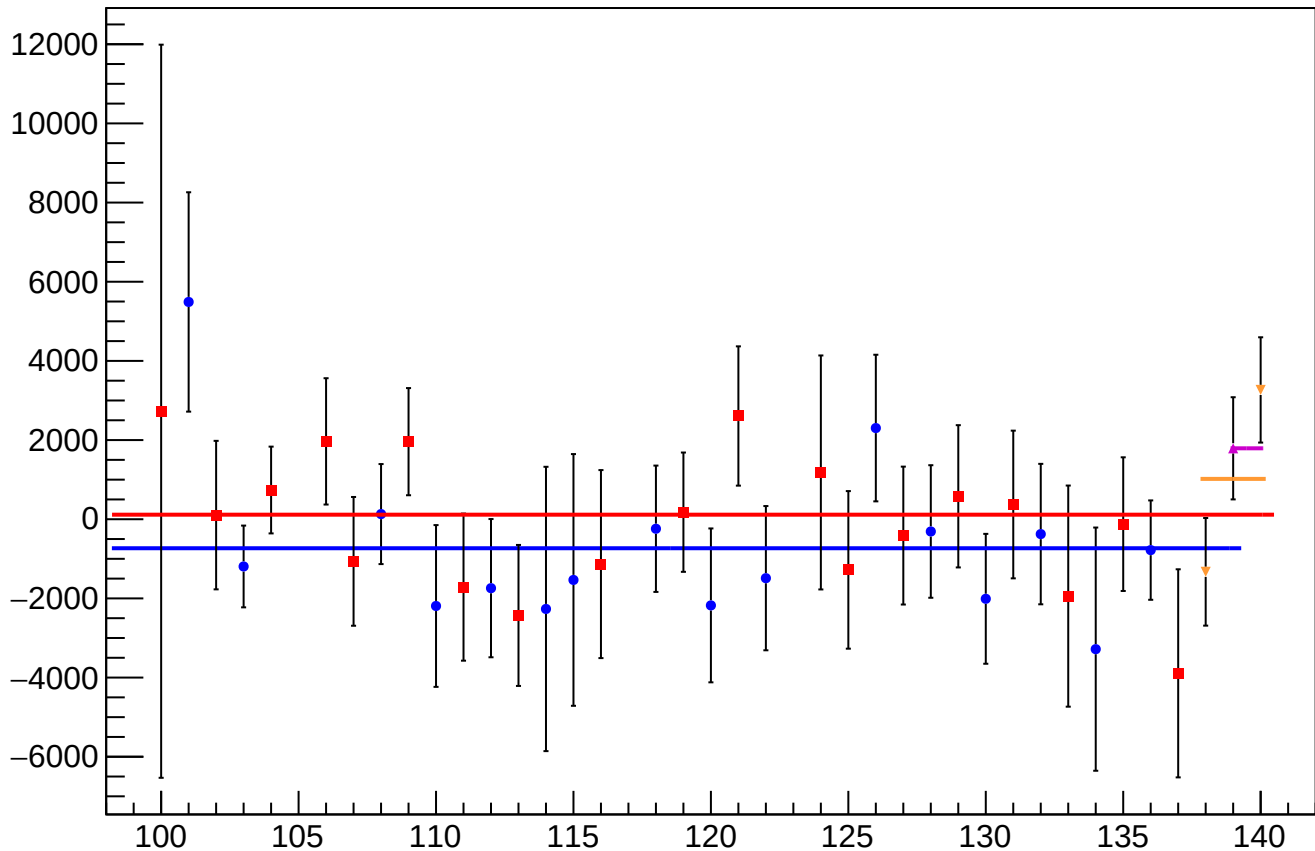
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2798019.4/17

All: 0.000+/-0.000 χ^2/NDF : 5197729.3/37

- sign 0.000+/-0.000 χ^2/NDF : 1715430.1/19

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF : 11.7/15

Left Out: 1019.294+/-950.711 χ^2/NDF : 5.8/1

Right Out: 115.040+/-411.437 χ^2/NDF : 13.1/18

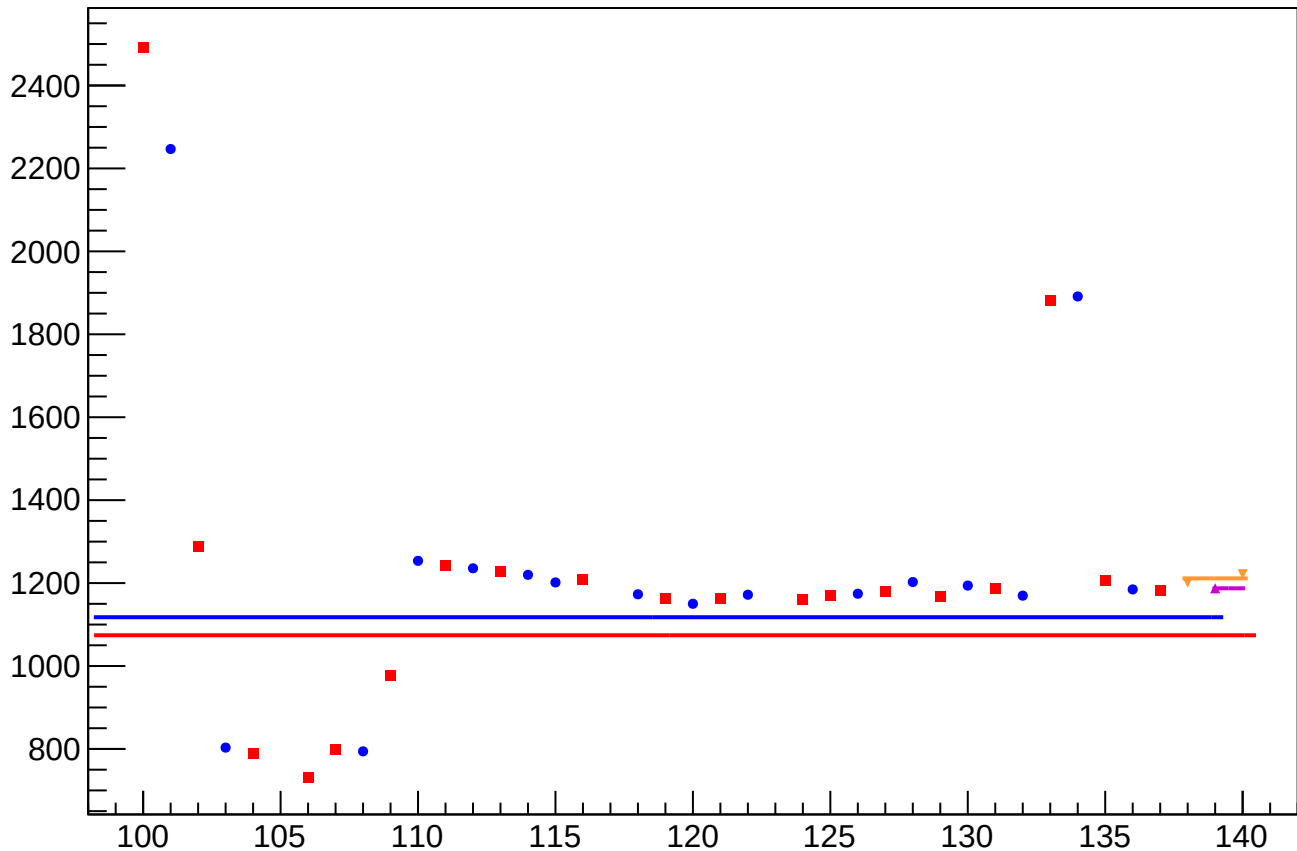
Left In: 1791.688+/-1290.626 χ^2/NDF : 0.0/0

+ sign -438.204+/-389.808 χ^2/NDF : 20.4/17

All: -86.231+/-276.408 χ^2/NDF : 36.7/37

- sign 269.713+/-392.000 χ^2/NDF : 14.6/19

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819835.1/15

Left Out: 1211.355 $\pm$ 0.672 χ^2 /NDF: 231.2/1

Right Out: 1074.148 $\pm$ 0.289 χ^2 /NDF: 649508.4/18

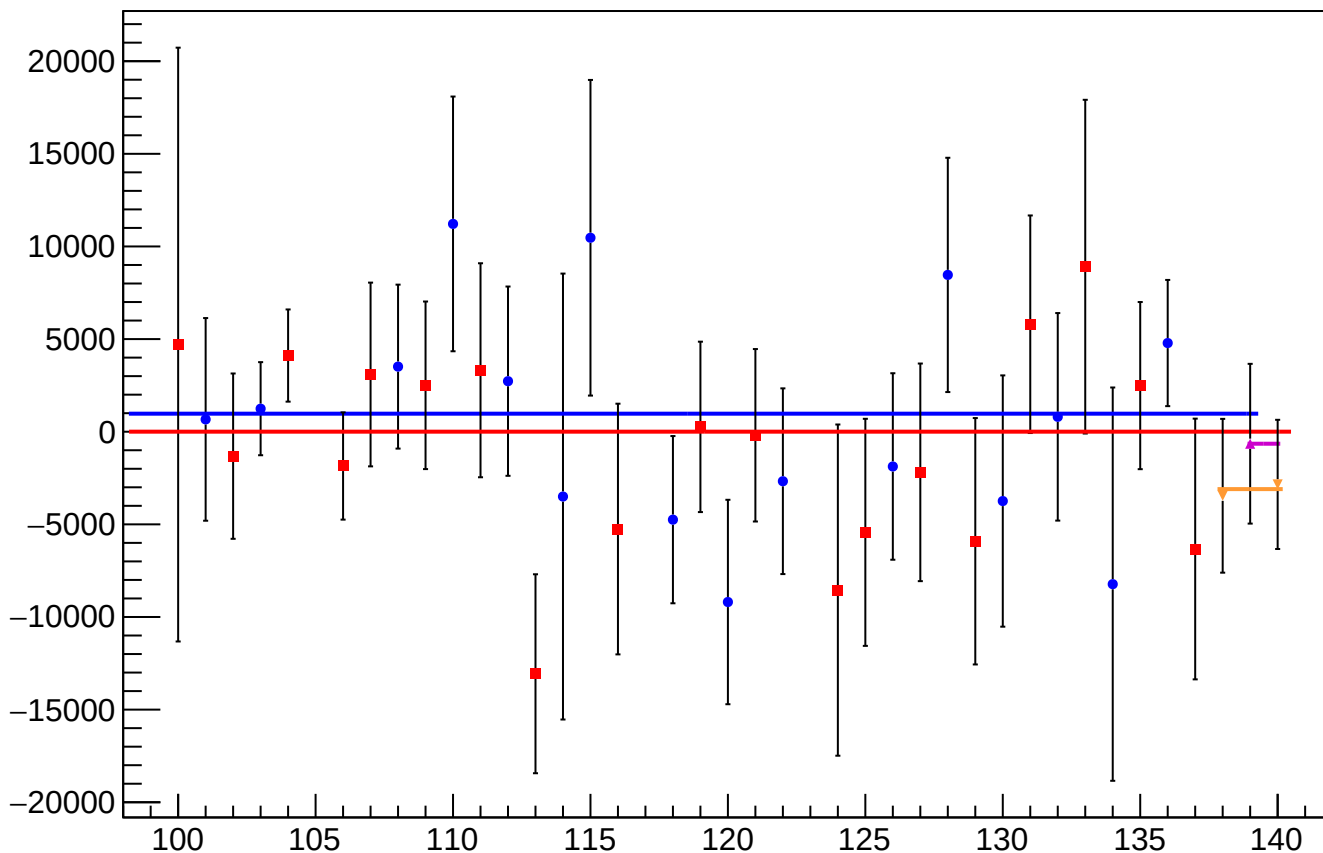
Left In: 1187.434 $\pm$ 0.913 χ^2 /NDF: 0.0/0

+ sign 1133.431 $\pm$ 0.276 χ^2 /NDF: 836217.6/17

All: 1108.889 $\pm$ 0.195 χ^2 /NDF: 1515560.0/37

- sign 1084.442 $\pm$ 0.275 χ^2 /NDF: 663517.5/19

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755 $\pm$ 1232.754 χ^2 /NDF: 13.8/15

Left Out: -3097.420 $\pm$ 2669.559 χ^2 /NDF:0.0/1

Right Out: 2.885 $\pm$ 1113.897 χ^2 /NDF: 16.6/18

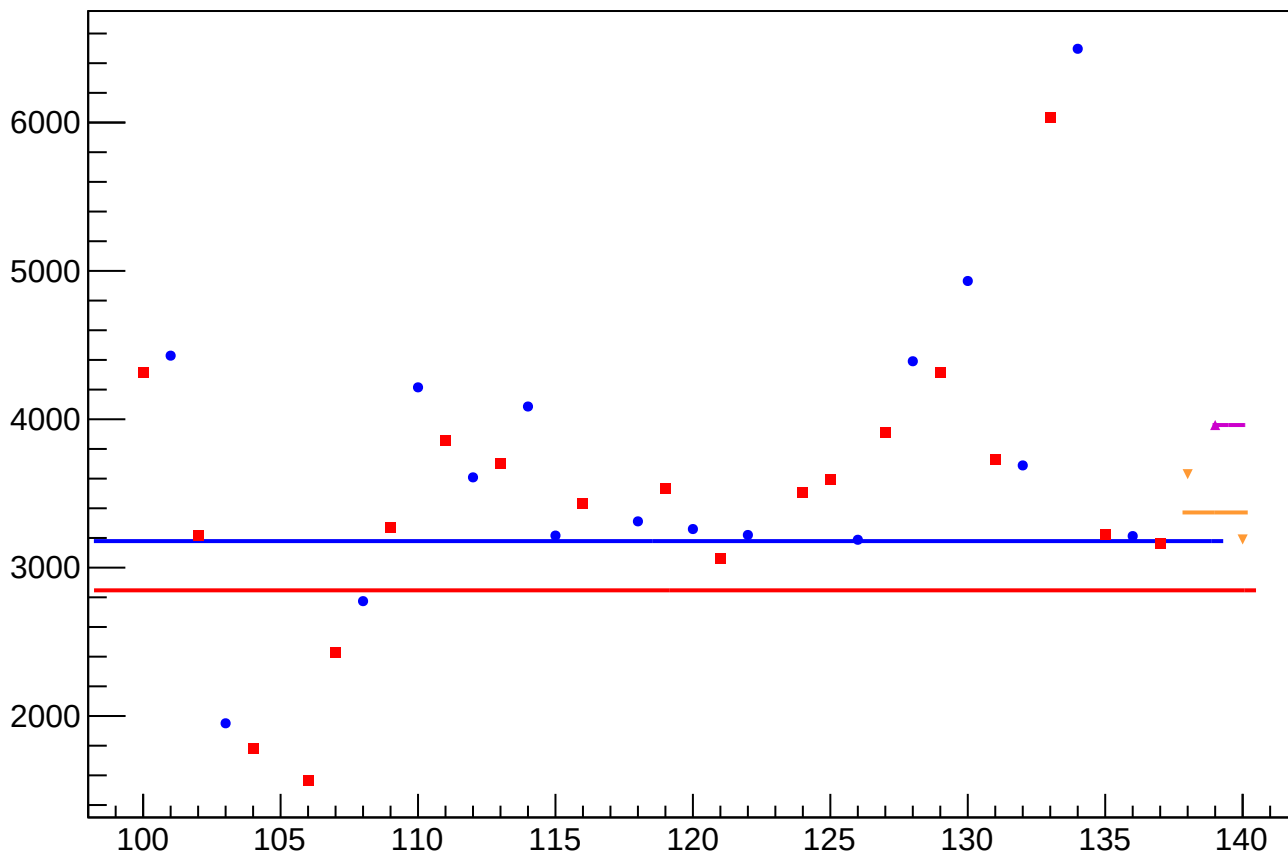
Left In: -647.800 $\pm$ 4311.462 χ^2 /NDF:0.0/0

+ sign 258.195 $\pm$ 1119.186 χ^2 /NDF: 15.7/17

All: 104.702 $\pm$ 776.594 χ^2 /NDF: 32.4/37

- sign -37.829 $\pm$ 1078.485 χ^2 /NDF: 16.6/19

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF : 1091676.8/15

Left Out: 3371.877+/-1.888 χ^2/NDF : 13167.8/1

Right Out: 2847.016+/-0.788 χ^2/NDF : 1511160.9/18

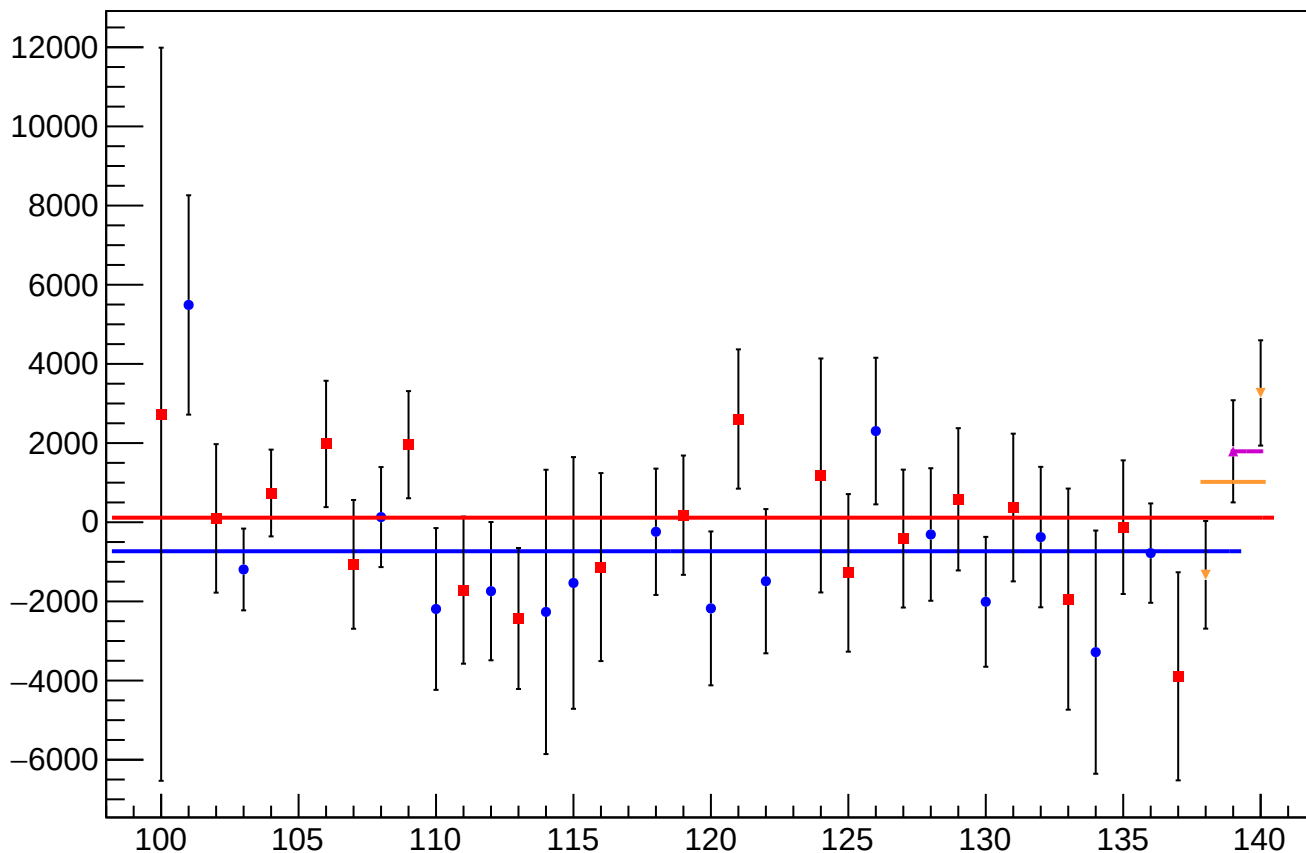
Left In: 3961.184+/-3.049 χ^2/NDF : 0.0/0

+ sign 3212.793+/-0.791 χ^2/NDF : 1113461.5/17

All: 3059.281+/-0.549 χ^2/NDF : 2822396.0/37

- sign 2916.731+/-0.763 χ^2/NDF : 1636365.6/19

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 1019.265+/-950.711 χ^2/NDF : 5.8/1

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

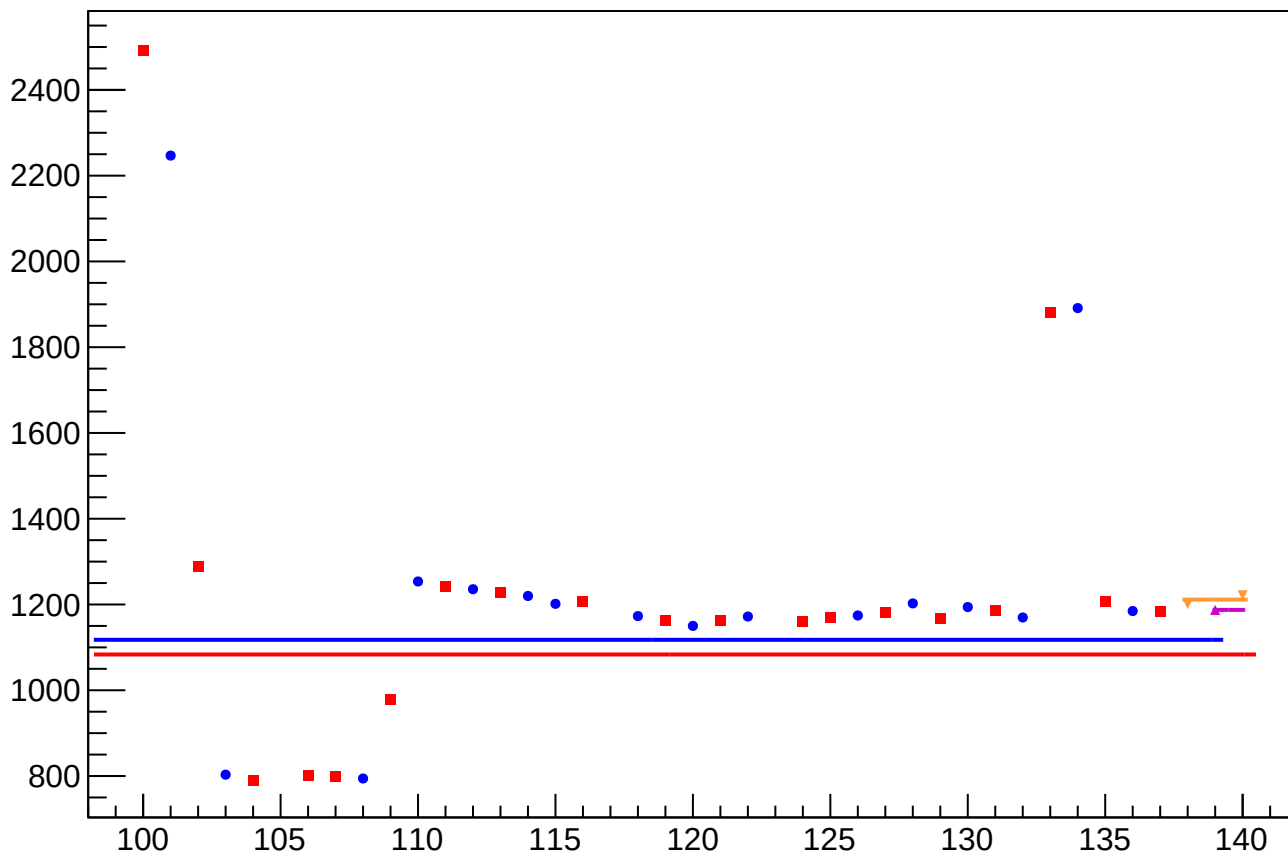
Left In: 1791.774+/-1290.626 χ^2/NDF : 0.0/0

+ sign -438.155+/-389.808 χ^2/NDF : 20.4/17

All: -86.083+/-276.409 χ^2/NDF : 36.7/37

- sign 269.967+/-392.004 χ^2/NDF : 14.7/19

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819831.7/15

Left Out: 1211.355 $\pm$ 0.672 χ^2 /NDF: 231.2/1

Right Out: 1083.421 $\pm$ 0.290 χ^2 /NDF: 595016.7/18

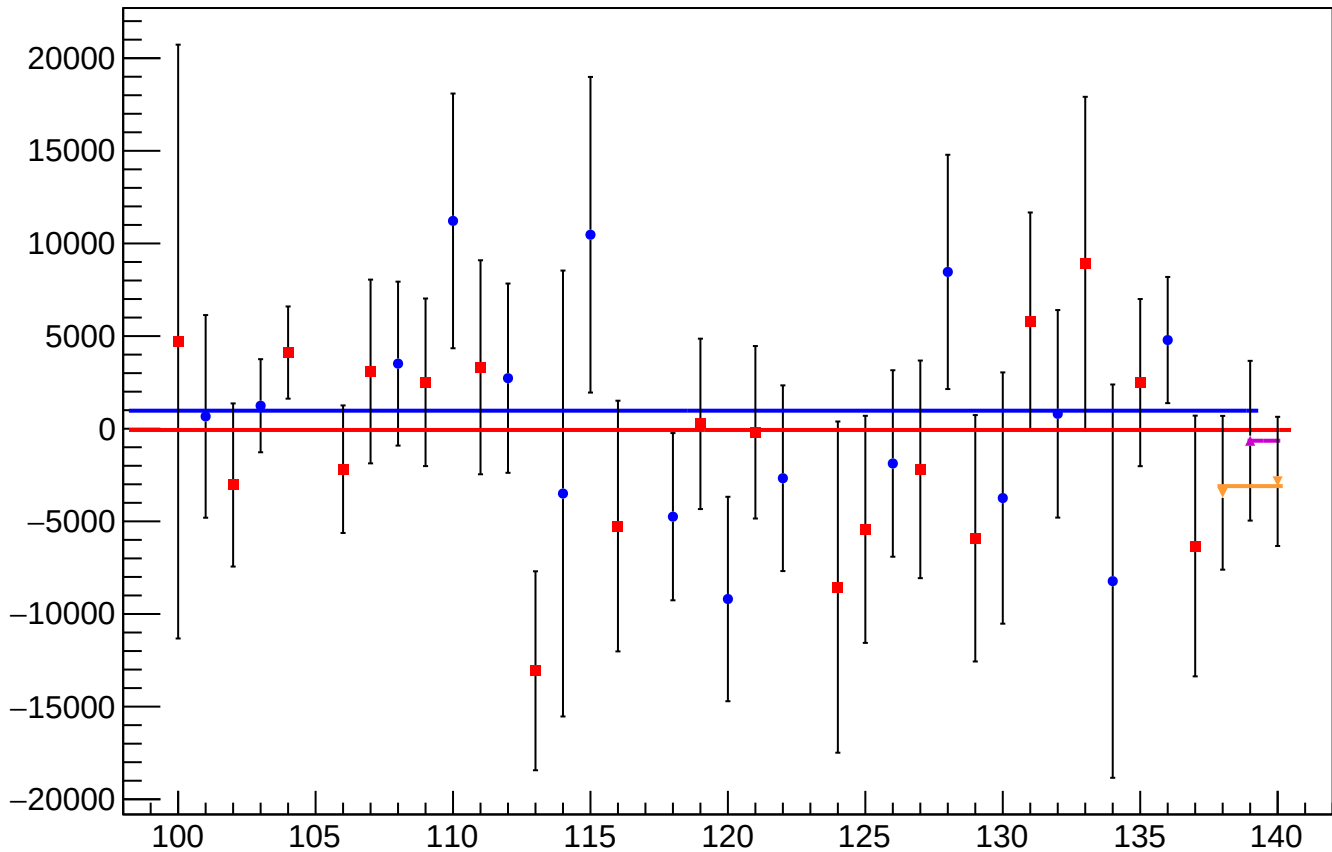
Left In: 1187.434 $\pm$ 0.913 χ^2 /NDF: 0.0/0

+ sign 1133.432 $\pm$ 0.276 χ^2 /NDF: 836214.0/17

All: 1113.286 $\pm$ 0.195 χ^2 /NDF: 1453751.9/37

- sign 1092.983 $\pm$ 0.277 χ^2 /NDF: 606812.4/19

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256 ± 1232.803 χ^2/NDF : 13.8/15

Left Out: -3097.240 ± 2669.551 χ^2/NDF : 0.0/1

Right Out: -67.113 ± 1137.892 χ^2/NDF : 16.9/18

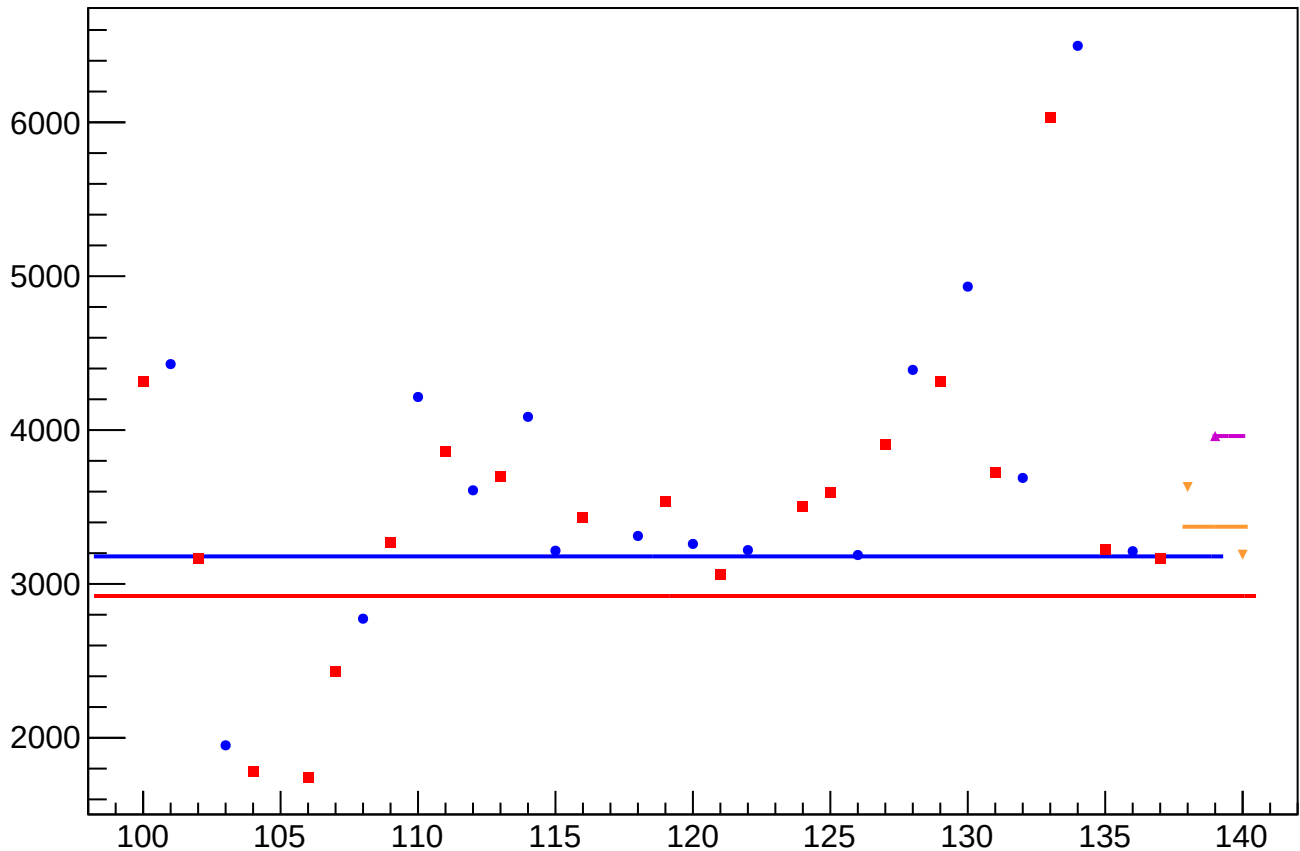
Left In: -647.759 ± 4311.462 χ^2/NDF : 0.0/0

+ sign 257.765 ± 1119.223 χ^2/NDF : 15.7/17

All: 73.315 ± 784.605 χ^2/NDF : 32.7/37

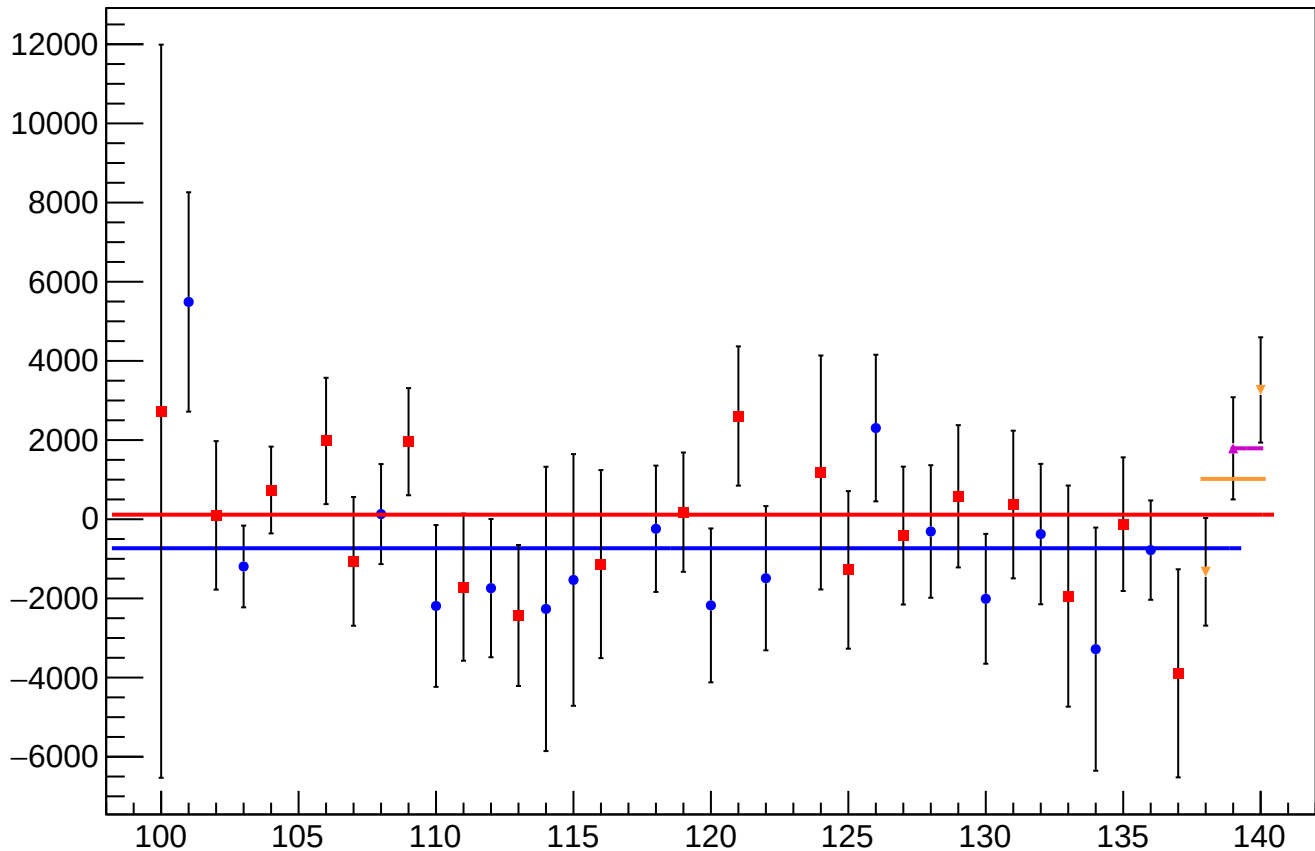
- sign -104.924 ± 1100.219 χ^2/NDF : 17.0/19

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872	χ^2/NDF : 1091236.5/15	+ sign 3212.946+/-0.791	χ^2/NDF : 1113004.1/17
Left Out: 3371.866+/-1.888	χ^2/NDF : 13168.3/1		
Right Out: 2921.641+/-0.805	χ^2/NDF : 1312890.1/18	All: 3099.226+/-0.555	χ^2/NDF : 2575192.2/37
		- sign 2989.335+/-0.778	χ^2/NDF : 1421588.2/19
Left In: 3961.184+/-3.049	χ^2/NDF : 0.0/0		

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 1019.265+/-950.711 χ^2/NDF : 5.8/1

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

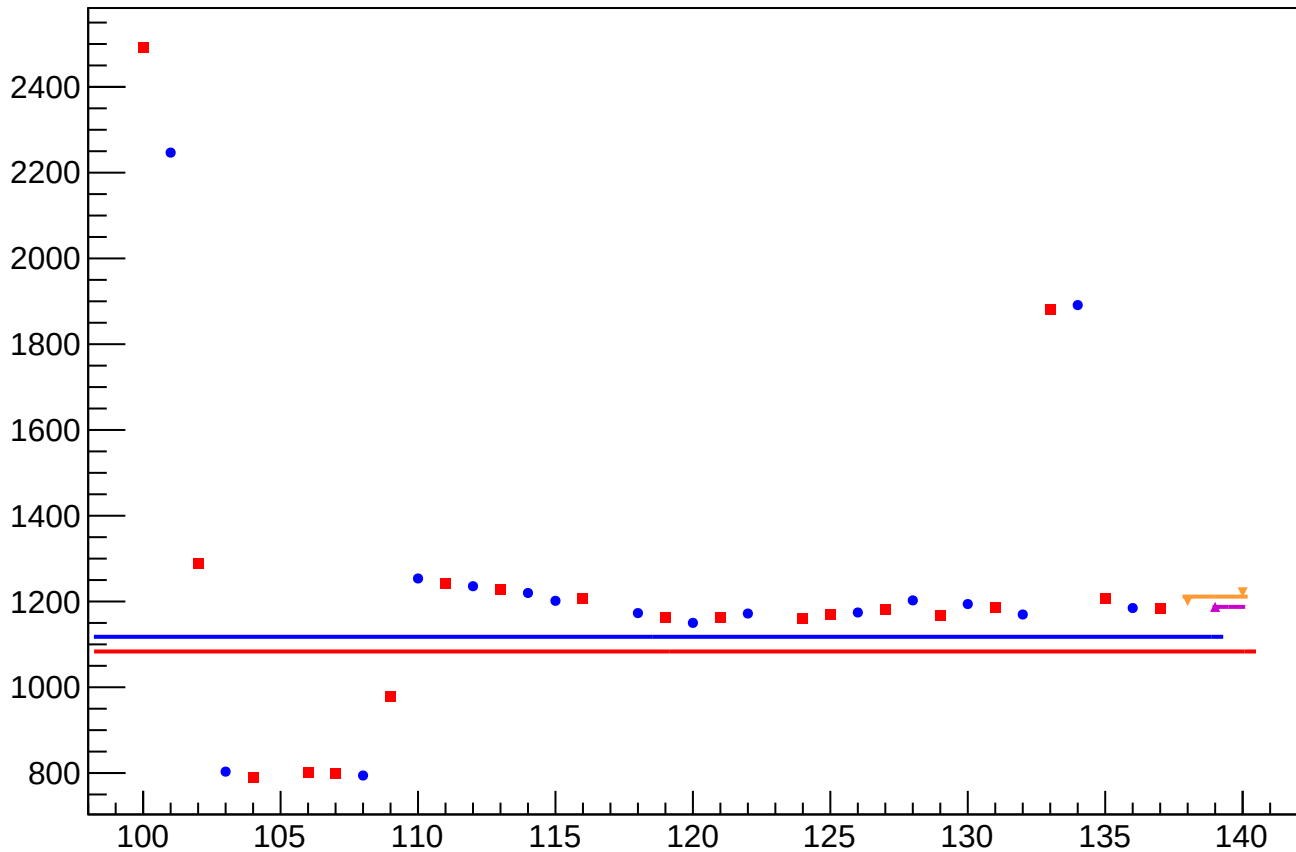
Left In: 1791.774+/-1290.626 χ^2/NDF : 0.0/0

+ sign -438.155+/-389.808 χ^2/NDF : 20.4/17

All: -86.083+/-276.409 χ^2/NDF : 36.7/37

- sign 269.967+/-392.004 χ^2/NDF : 14.7/19

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819831.7/15

Left Out: 1211.355 $\pm$ 0.672 χ^2 /NDF: 231.2/1

Right Out: 1083.421 $\pm$ 0.290 χ^2 /NDF: 595016.7/18

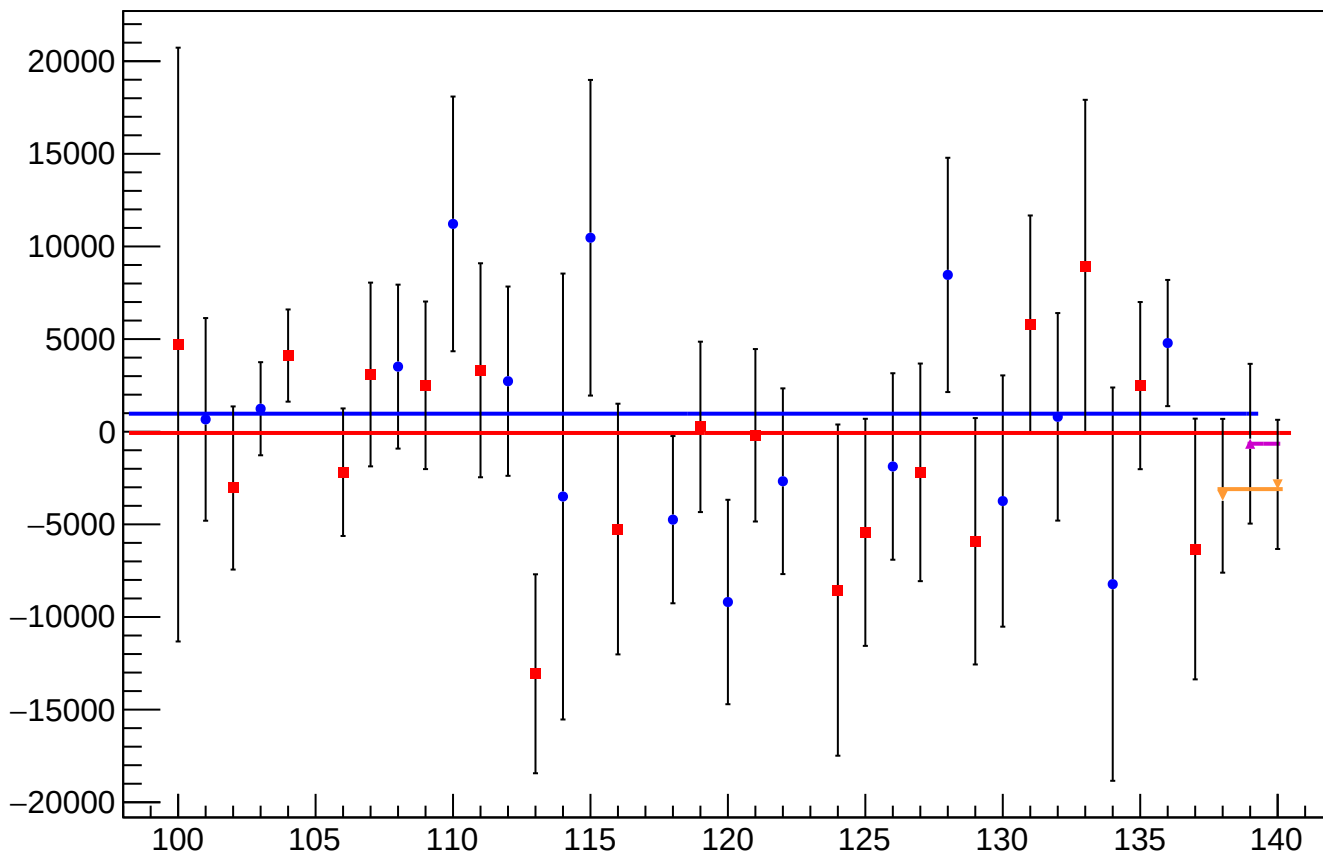
Left In: 1187.434 $\pm$ 0.913 χ^2 /NDF: 0.0/0

+ sign 1133.432 $\pm$ 0.276 χ^2 /NDF: 836214.0/17

All: 1113.286 $\pm$ 0.195 χ^2 /NDF: 1453751.9/37

- sign 1092.983 $\pm$ 0.277 χ^2 /NDF: 606812.4/19

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF : 13.8/15

Left Out: -3097.240+/-2669.551 χ^2/NDF : 0.0/1

Right Out: -67.113+/-1137.892 χ^2/NDF : 16.9/18

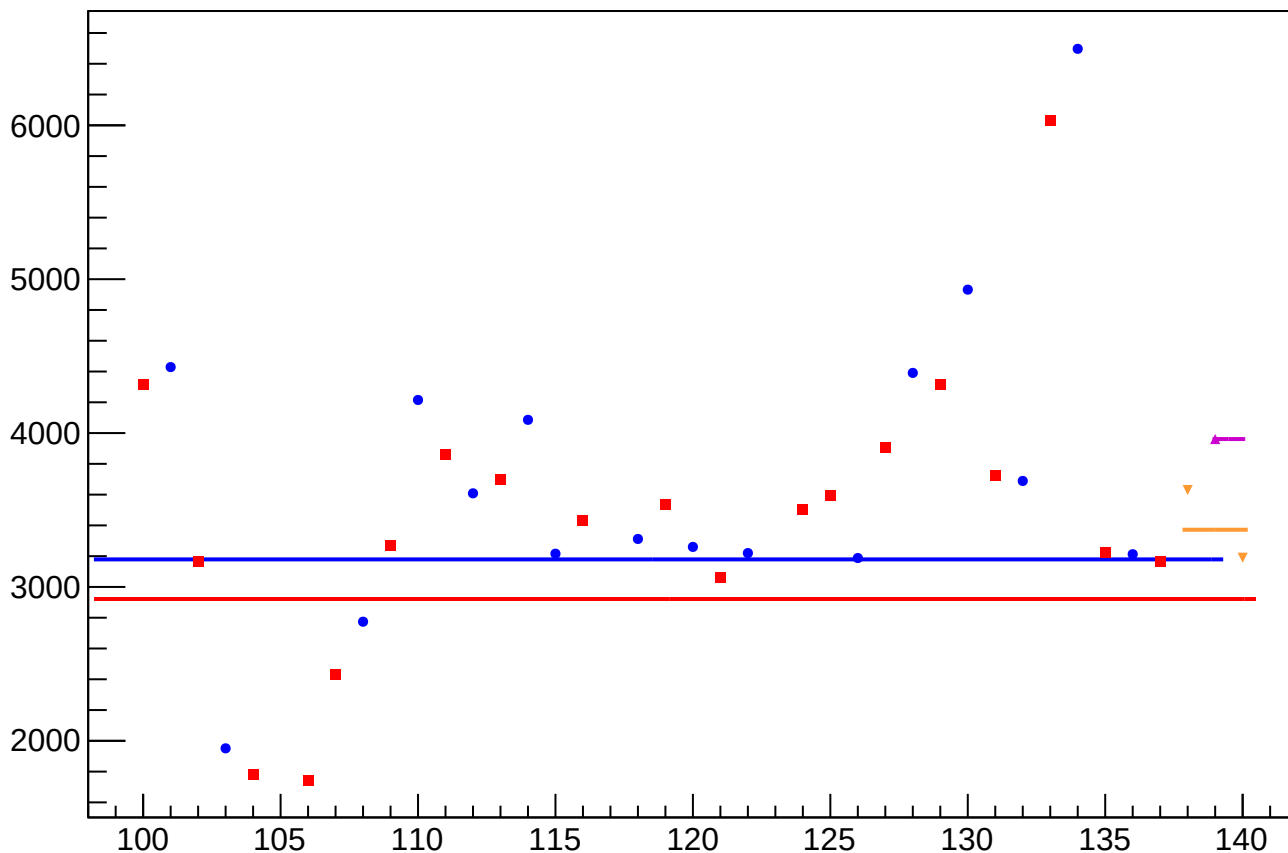
Left In: -647.759+/-4311.462 χ^2/NDF : 0.0/0

+ sign 257.765+/-1119.223 χ^2/NDF : 15.7/17

All: 73.315+/-784.605 χ^2/NDF : 32.7/37

- sign -104.924+/-1100.219 χ^2/NDF : 17.0/19

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF : 1091236.5/15

Left Out: 3371.866+/-1.888 χ^2/NDF : 13168.3/1

Right Out: 2921.641+/-0.805 χ^2/NDF : 1312890.1/18

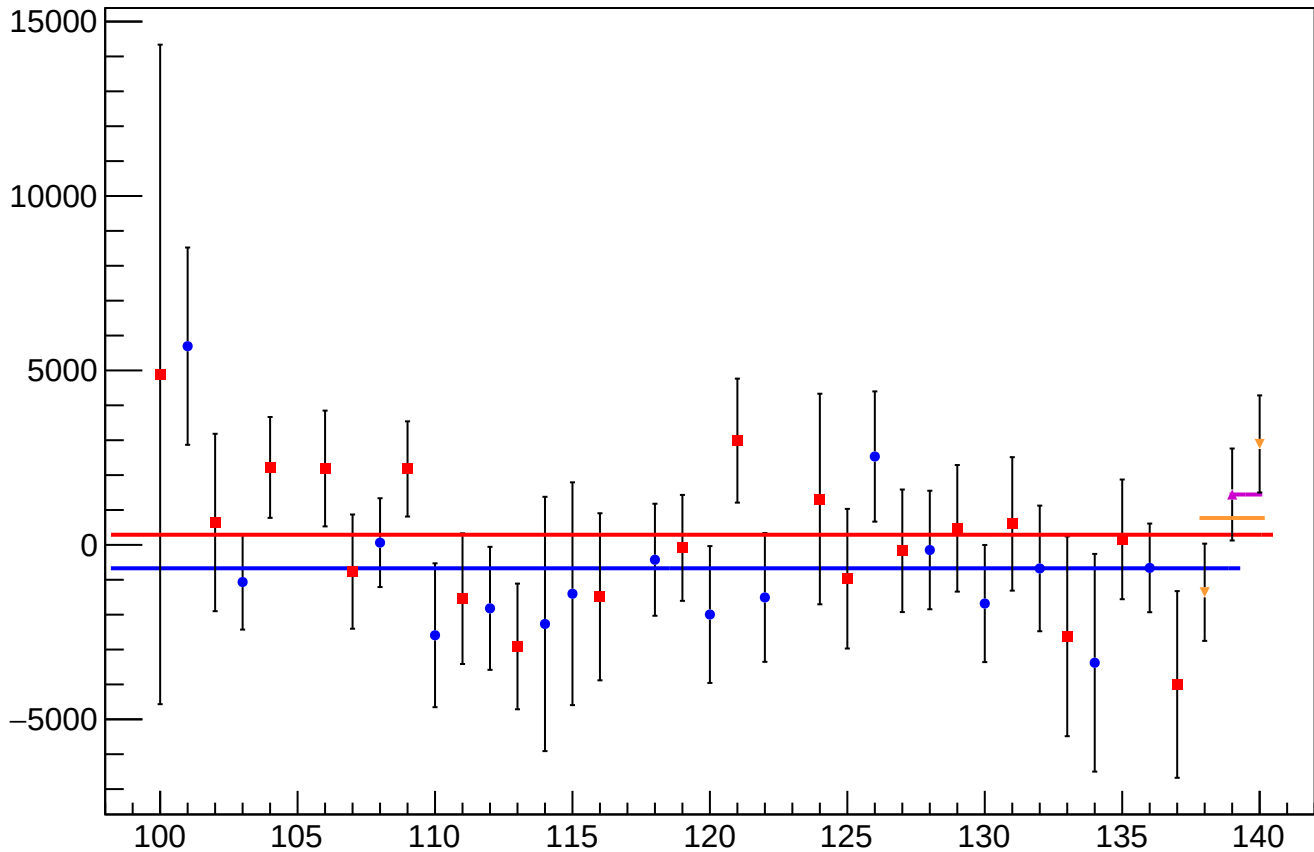
Left In: 3961.184+/-3.049 χ^2/NDF : 0.0/0

+ sign 3212.946+/-0.791 χ^2/NDF : 1113004.1/17

All: 3099.226+/-0.555 χ^2/NDF : 2575192.2/37

- sign 2989.335+/-0.778 χ^2/NDF : 1421588.2/19

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF : 11.9/15

Left Out: 770.502+/-984.727 χ^2/NDF : 4.7/1

Right Out: 290.311+/-434.425 χ^2/NDF : 16.9/18

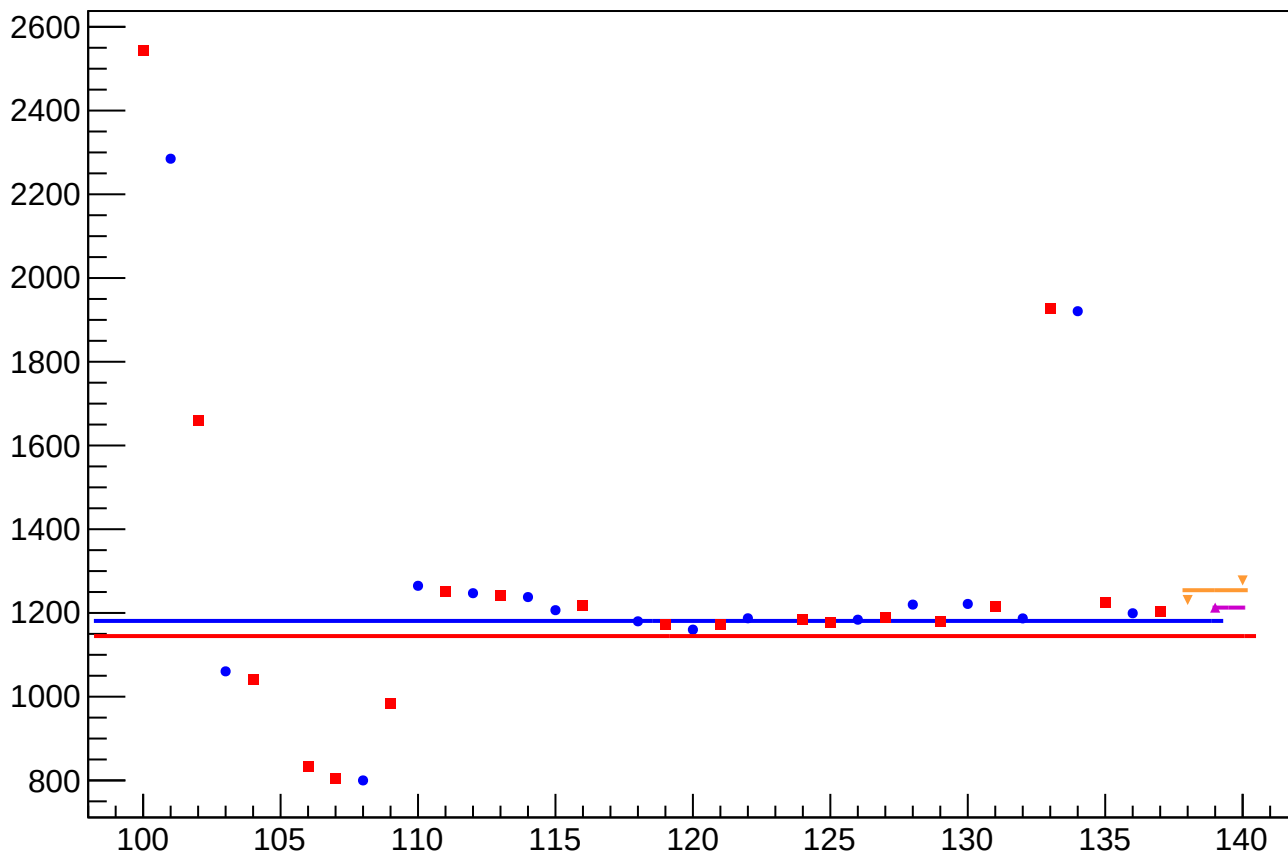
Left In: 1443.796+/-1318.326 χ^2/NDF : 0.0/0

+ sign -423.198+/-408.159 χ^2/NDF : 18.3/17

All: -14.422+/-290.170 χ^2/NDF : 38.0/37

- sign 403.297+/-412.600 χ^2/NDF : 17.6/19

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF : 621878.6/15

Left Out: 1254.321+/-0.696 χ^2/NDF :1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF : 497730.6/18

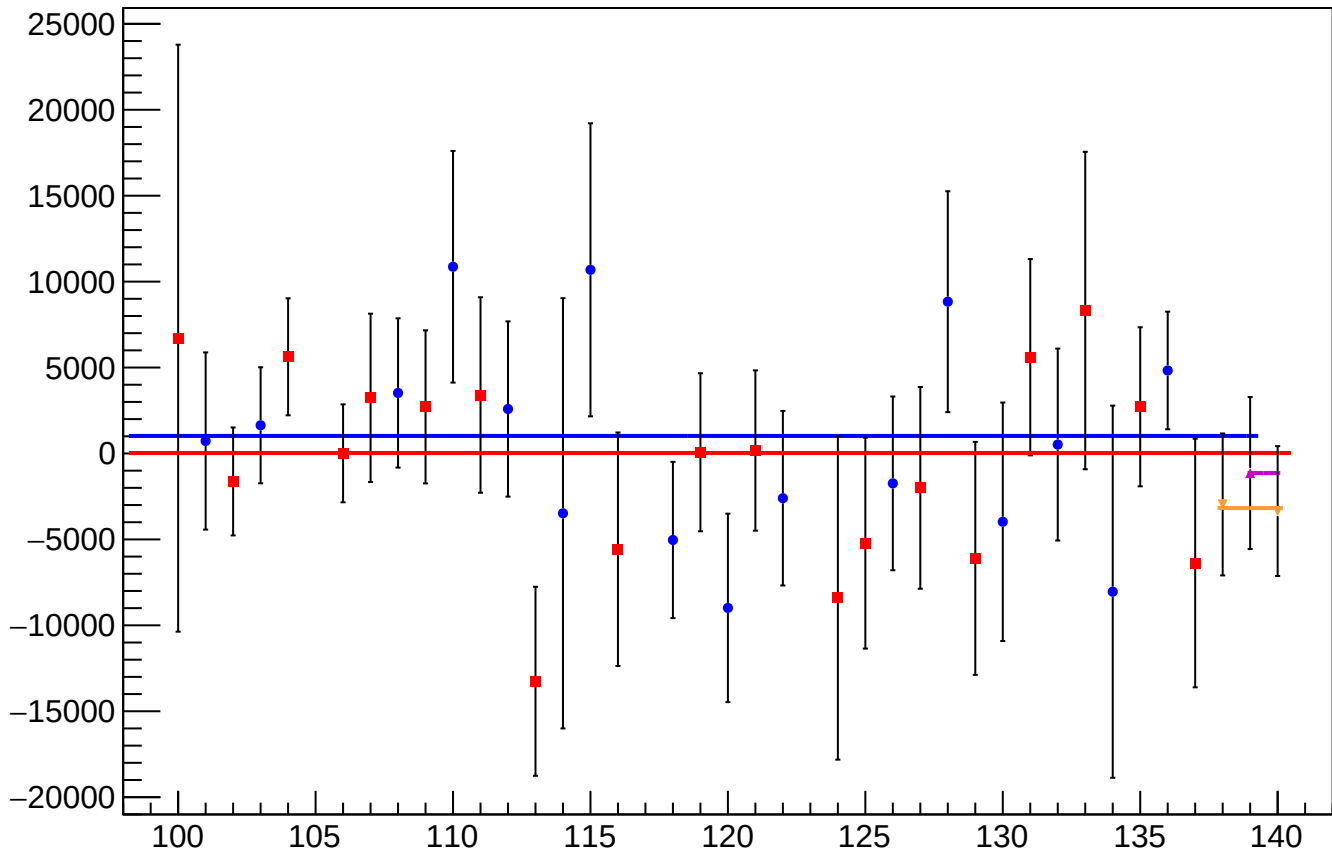
Left In: 1212.766+/-0.932 χ^2/NDF :0.0/0

+ sign 1193.560+/-0.289 χ^2/NDF : 632198.7/17

All: 1172.715+/-0.205 χ^2/NDF : 1145270.9/37

- sign 1151.431+/-0.292 χ^2/NDF : 502529.4/19

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF : 13.9/15

Left Out: -3175.590+/-2787.541 χ^2/NDF : 0.0/1

Right Out: 30.135+/-1130.743 χ^2/NDF : 16.1/18

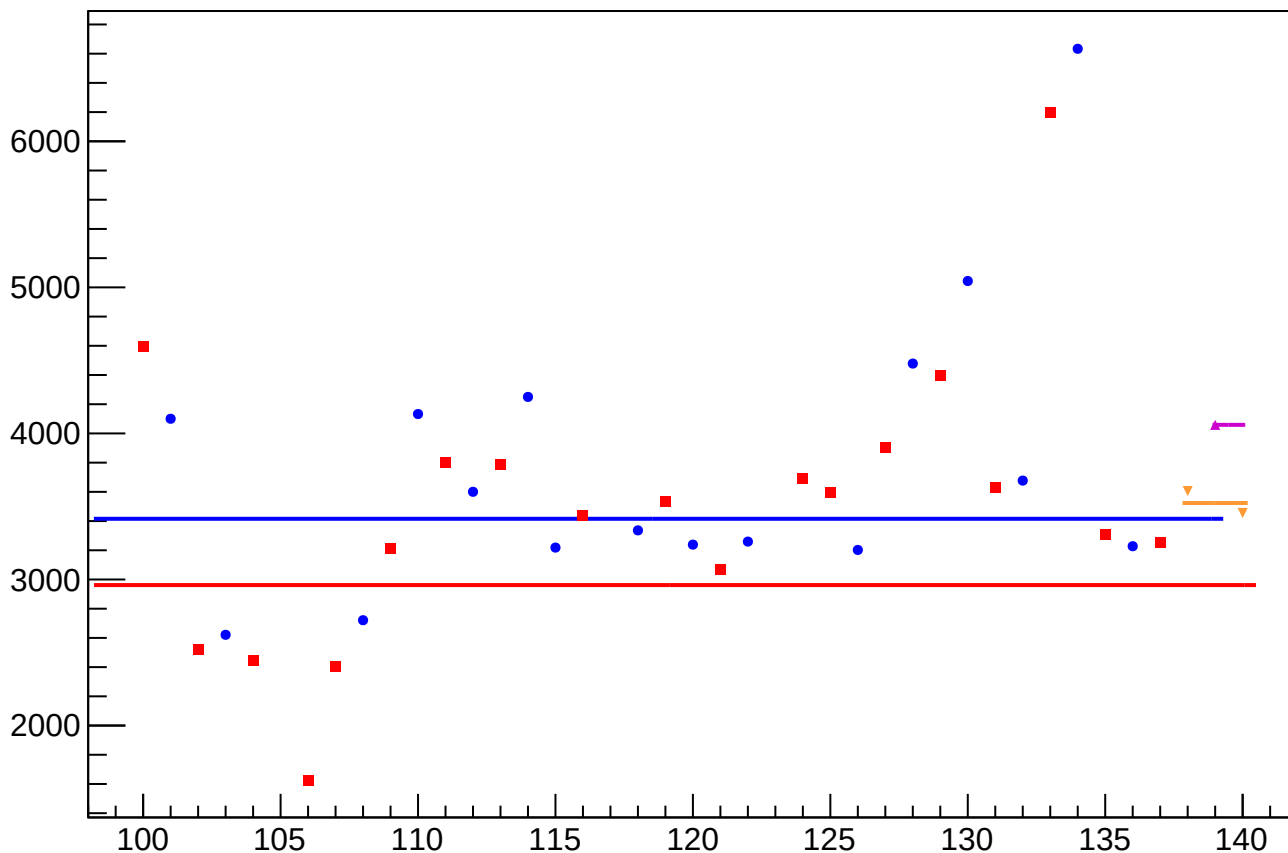
Left In: -1139.092+/-4422.836 χ^2/NDF : 0.0/0

+ sign 269.058+/-1179.985 χ^2/NDF : 15.7/17

All: 102.212+/-802.846 χ^2/NDF : 32.0/37

- sign -41.599+/-1095.507 χ^2/NDF : 16.2/19

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2 /NDF: 592344.0/15

Left Out: 3523.687+/-1.971 χ^2 /NDF:1431.4/1

Right Out: 2961.798+/-0.800 χ^2 /NDF: 1169257.4/18

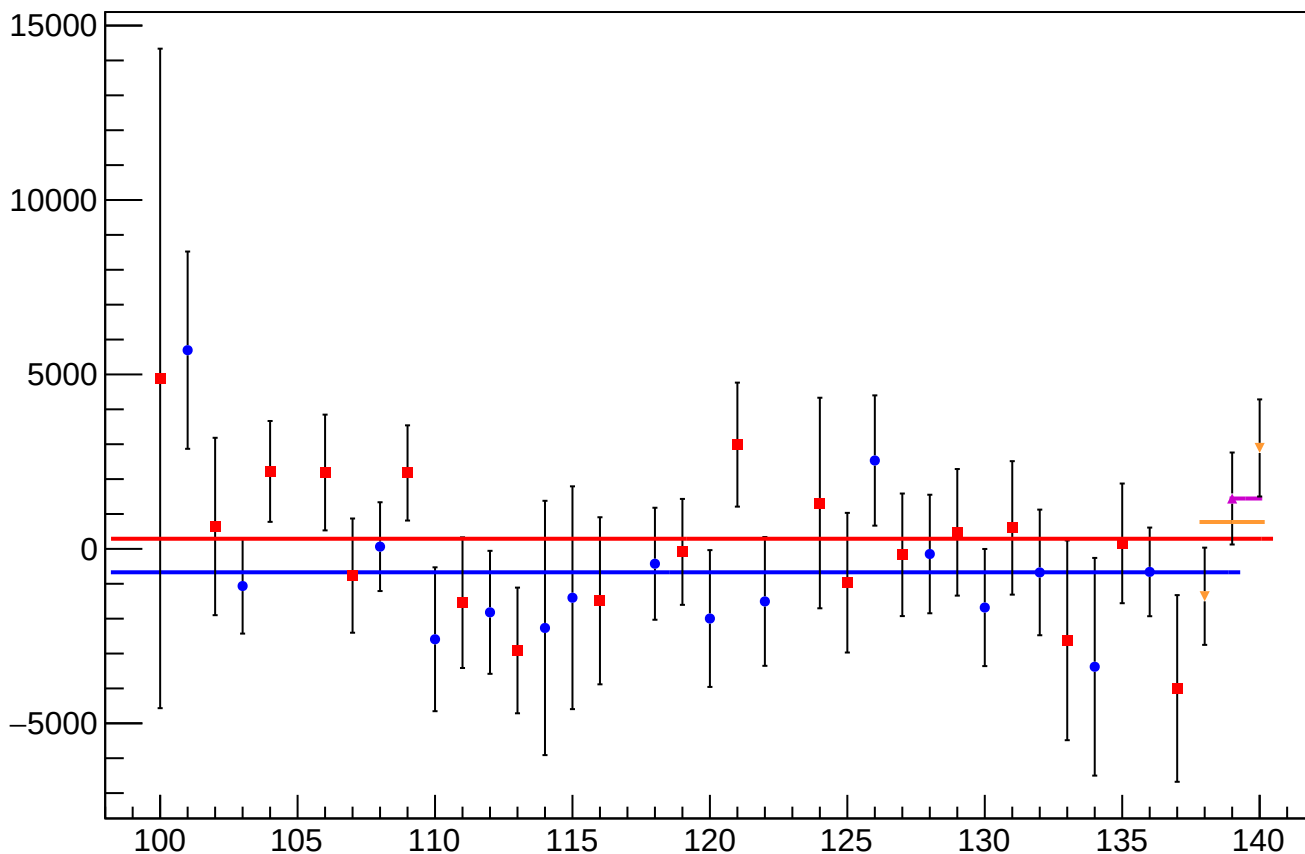
Left In: 4058.692+/-3.127 χ^2 /NDF:0.0/0

+ sign 3434.964+/-0.834 χ^2 /NDF: 596243.9/17

All: 3216.982+/-0.568 χ^2 /NDF: 2008050.5/37

- sign 3029.095+/-0.775 χ^2 /NDF: 1284725.0/19

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824 ± 448.500 χ^2/NDF : 11.9/15

Left Out: 770.509 ± 984.727 χ^2/NDF : 4.7/1

Right Out: 290.316 ± 434.425 χ^2/NDF : 16.9/18

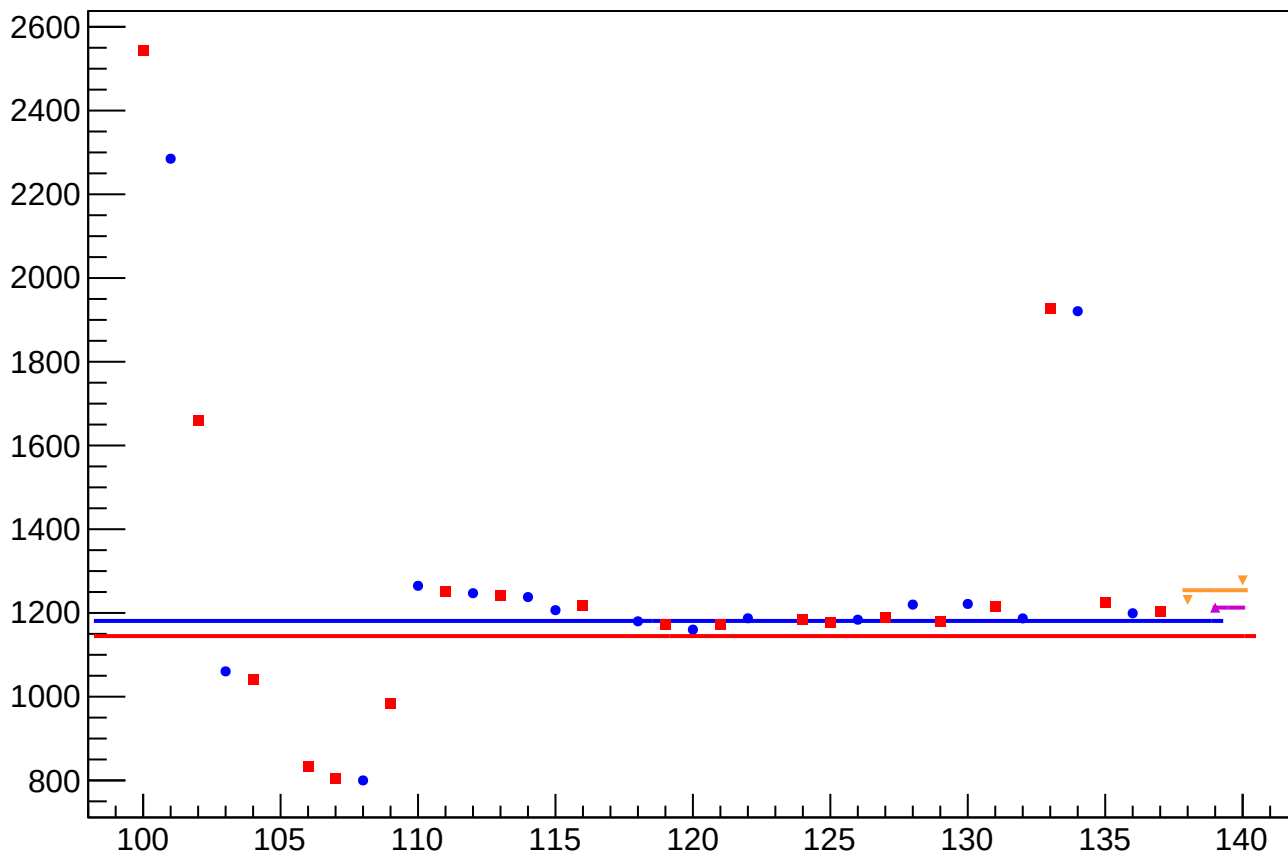
Left In: 1443.766 ± 1318.327 χ^2/NDF : 0.0/0

+ sign -423.201 ± 408.159 χ^2/NDF : 18.3/17

All: -14.423 ± 290.170 χ^2/NDF : 38.0/37

- sign 403.299 ± 412.600 χ^2/NDF : 17.6/19

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF : 621878.9/15

Left Out: 1254.321+/-0.696 χ^2/NDF : 1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF : 497730.2/18

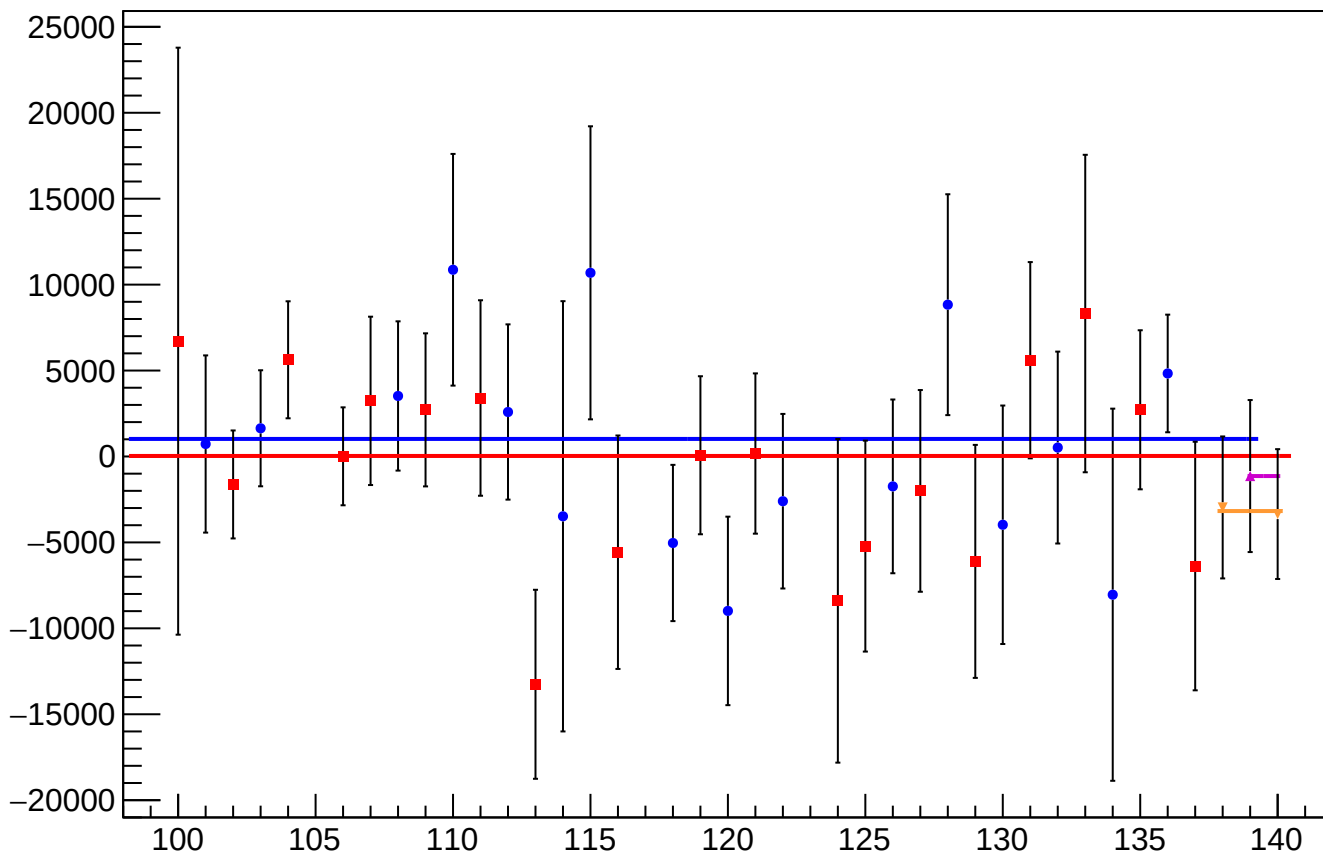
Left In: 1212.767+/-0.932 χ^2/NDF : 0.0/0

+ sign 1193.560+/-0.289 χ^2/NDF : 632199.0/17

All: 1172.715+/-0.205 χ^2/NDF : 1145270.7/37

- sign 1151.431+/-0.292 χ^2/NDF : 502529.1/19

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: 1021.029+/-1302.430 χ^2/NDF : 13.9/15

Left Out: -3175.584+/-2787.542 χ^2/NDF : 0.0/1

Right Out: 30.142+/-1130.741 χ^2/NDF : 16.1/18

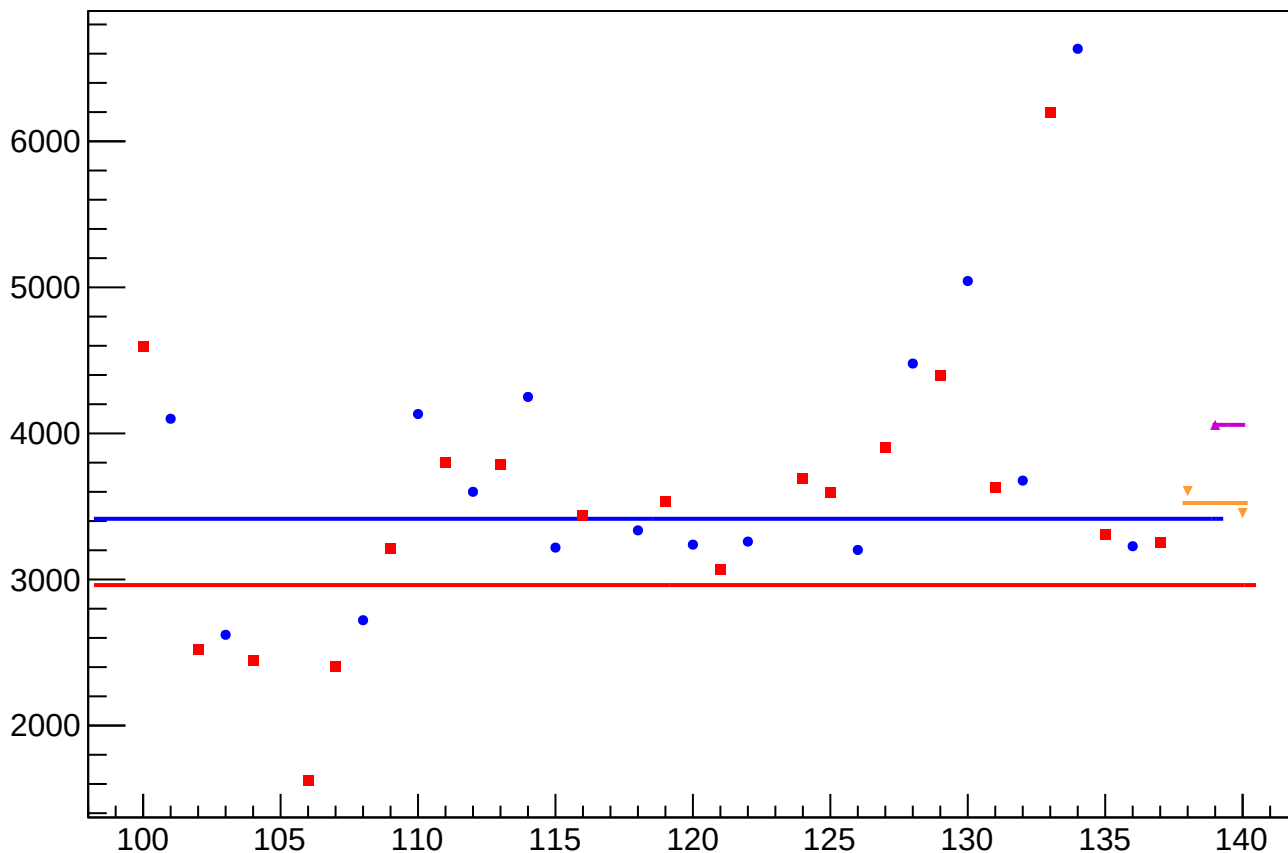
Left In: -1139.135+/-4422.843 χ^2/NDF : 0.0/0

+ sign 269.046+/-1179.984 χ^2/NDF : 15.7/17

All: 102.208+/-802.845 χ^2/NDF : 32.0/37

- sign -41.595+/-1095.505 χ^2/NDF : 16.2/19

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF : 592339.1/15

Left Out: 3523.688+/-1.971 χ^2/NDF :1431.5/1

Right Out: 2961.793+/-0.800 χ^2/NDF : 1169257.0/18

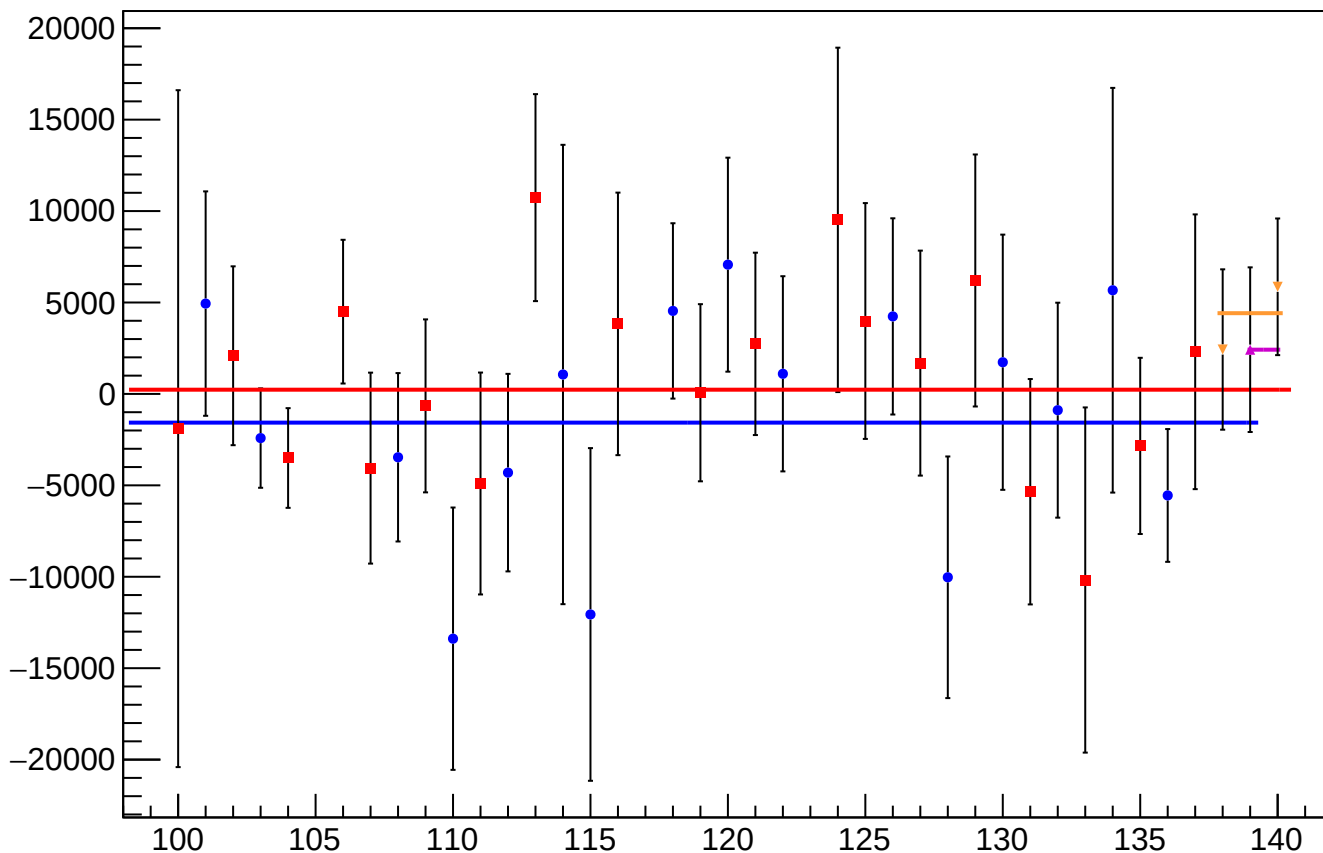
Left In: 4058.698+/-3.127 χ^2/NDF :0.0/0

+ sign 3434.961+/-0.834 χ^2/NDF : 596239.2/17

All: 3216.978+/-0.568 χ^2/NDF : 2008048.9/37

- sign 3029.090+/-0.775 χ^2/NDF : 1284726.7/19

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809 ± 1312.937 χ^2/NDF : 14.5/15

Left Out: 4415.657 ± 2844.206 χ^2/NDF : 0.4/1

Right Out: 231.125 ± 1224.318 χ^2/NDF : 13.2/18

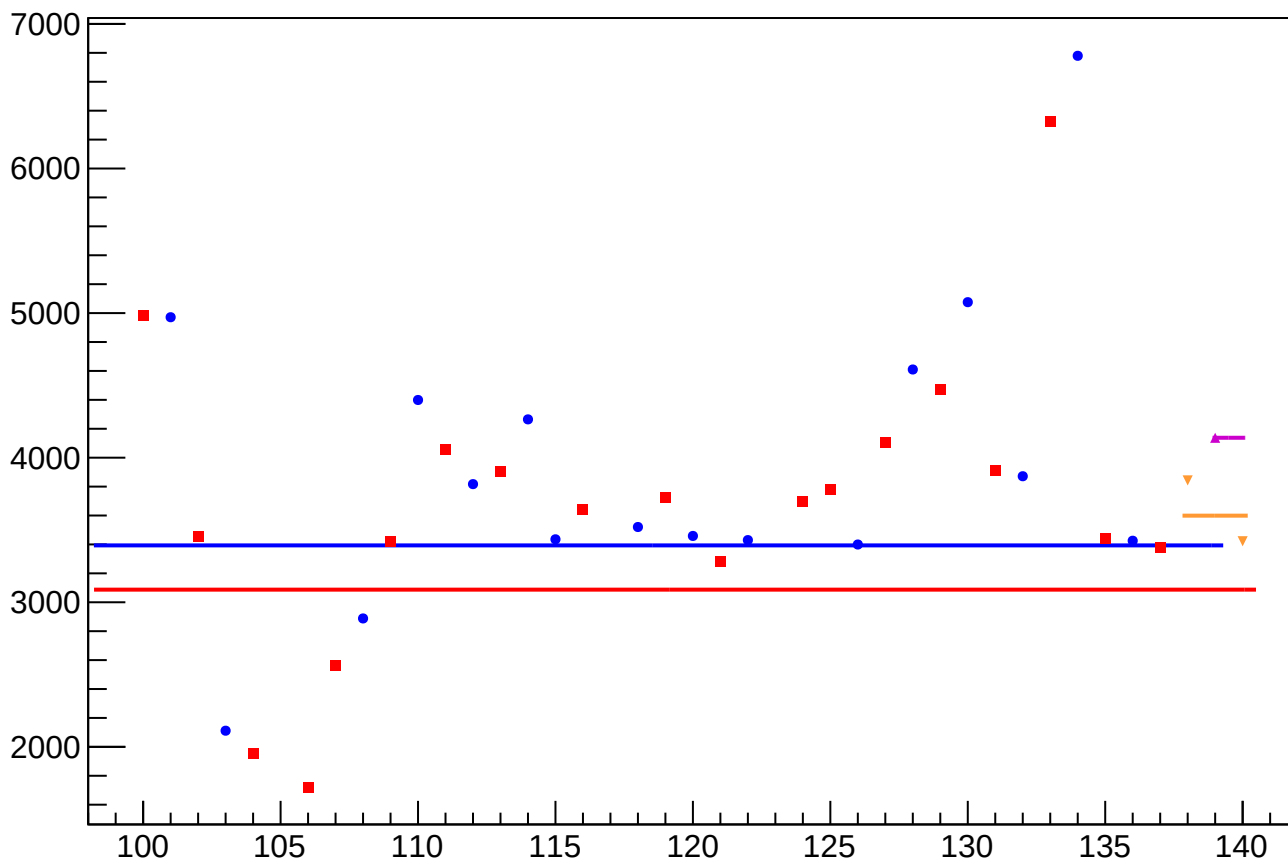
Left In: 2419.540 ± 4502.629 χ^2/NDF : 0.0/0

+ sign -518.403 ± 1192.057 χ^2/NDF : 18.5/17

All: -64.274 ± 839.126 χ^2/NDF : 32.2/37

- sign 381.789 ± 1181.422 χ^2/NDF : 13.4/19

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF : 1048707.6/15

Left Out: 3599.036+/-2.011 χ^2/NDF :10671.5/1

Right Out: 3087.307+/-0.851 χ^2/NDF : 1328355.8/18

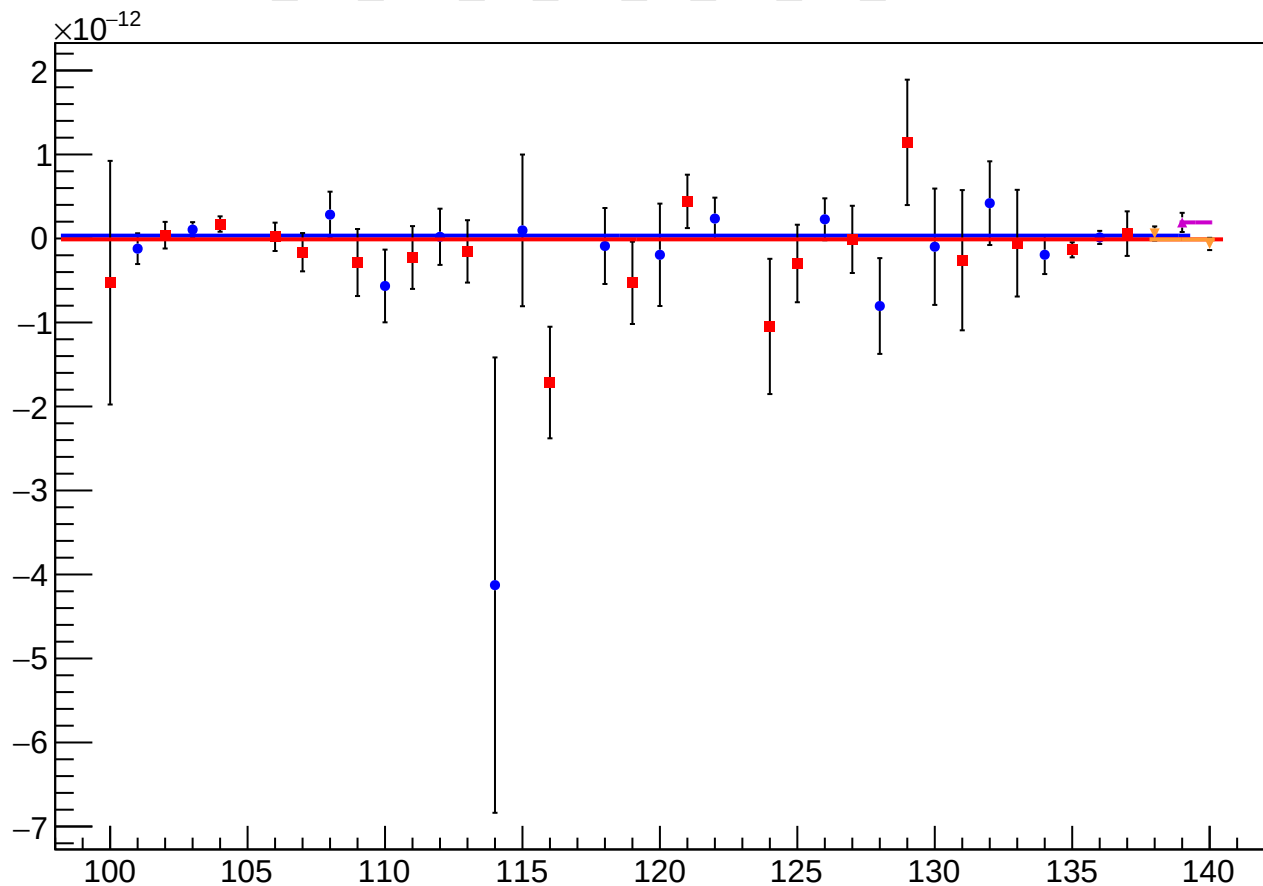
Left In: 4137.735+/-3.184 χ^2/NDF :0.0/0

+ sign 3429.493+/-0.843 χ^2/NDF : 1068000.1/17

All: 3290.077+/-0.589 χ^2/NDF : 2551339.3/37

- sign 3157.382+/-0.822 χ^2/NDF : 1429944.8/19

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 : 1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF : 21.9/18

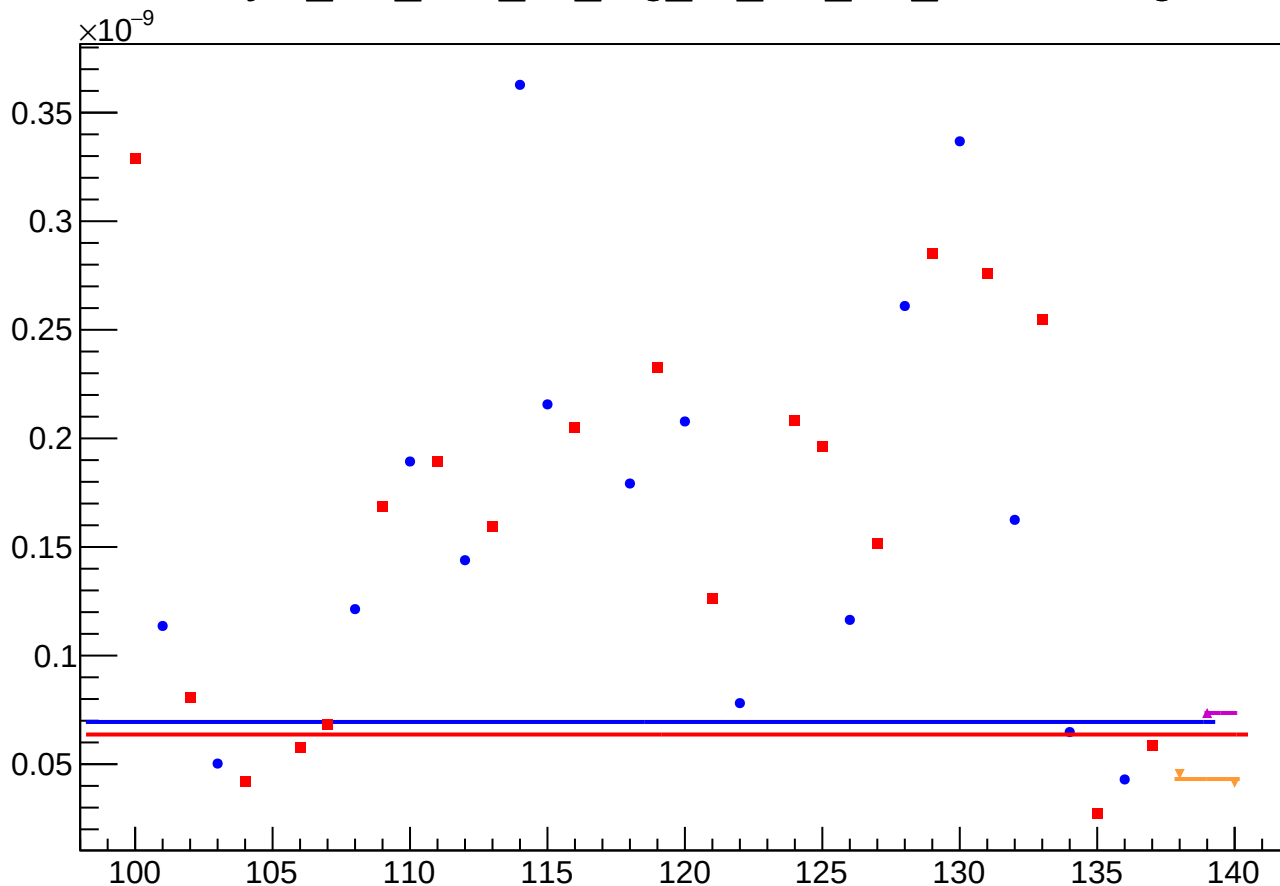
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 13.5/17

All: 0.000+/-0.000 χ^2/NDF : 38.0/37

- sign 0.000+/-0.000 χ^2/NDF : 24.5/19

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1729471.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2615.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 2250342.3/18

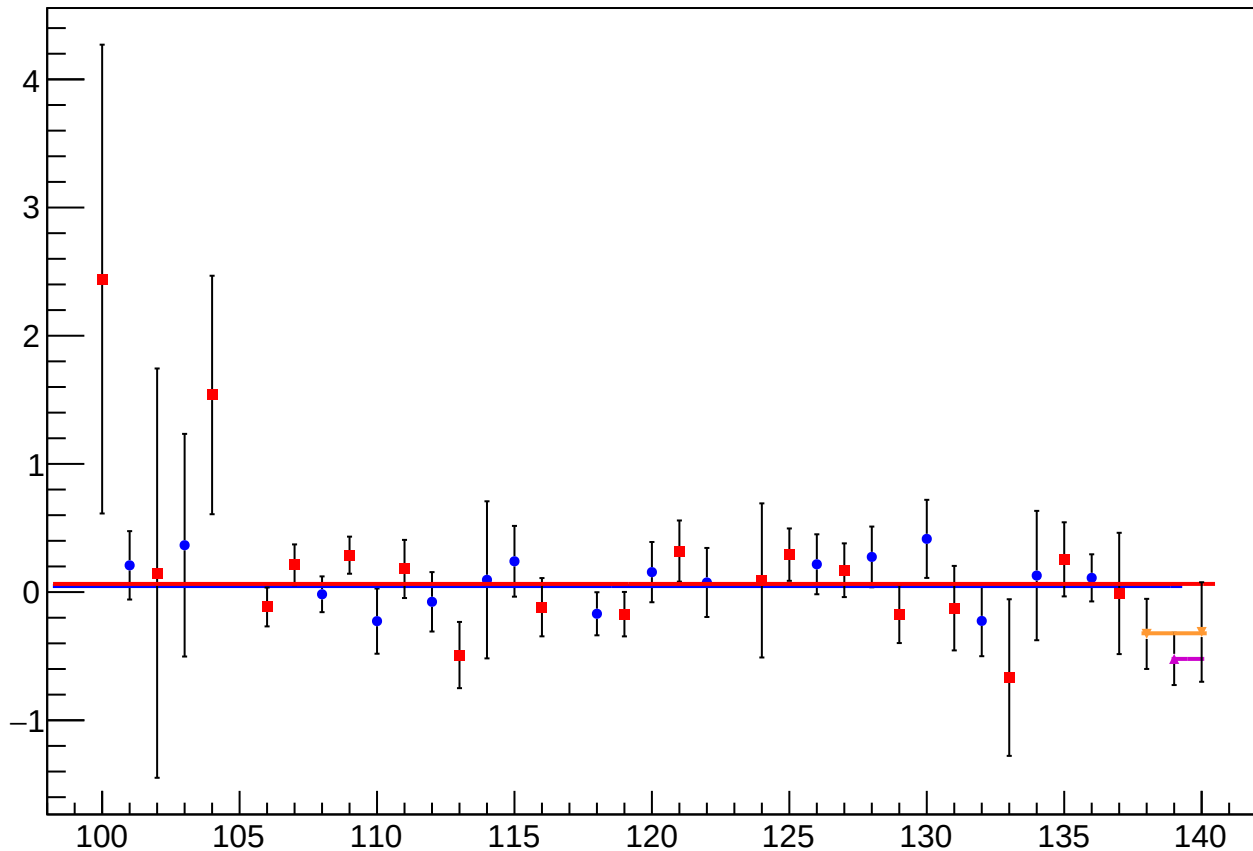
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 1986634.2/17

All: 0.000 ± 0.000 χ^2/NDF : 4281816.4/37

- sign 0.000 ± 0.000 χ^2/NDF : 2263070.1/19

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: -0.321+/-0.224 χ^2/NDF : 0.0/1

Right Out: 0.064+/-0.055 χ^2/NDF : 22.2/18

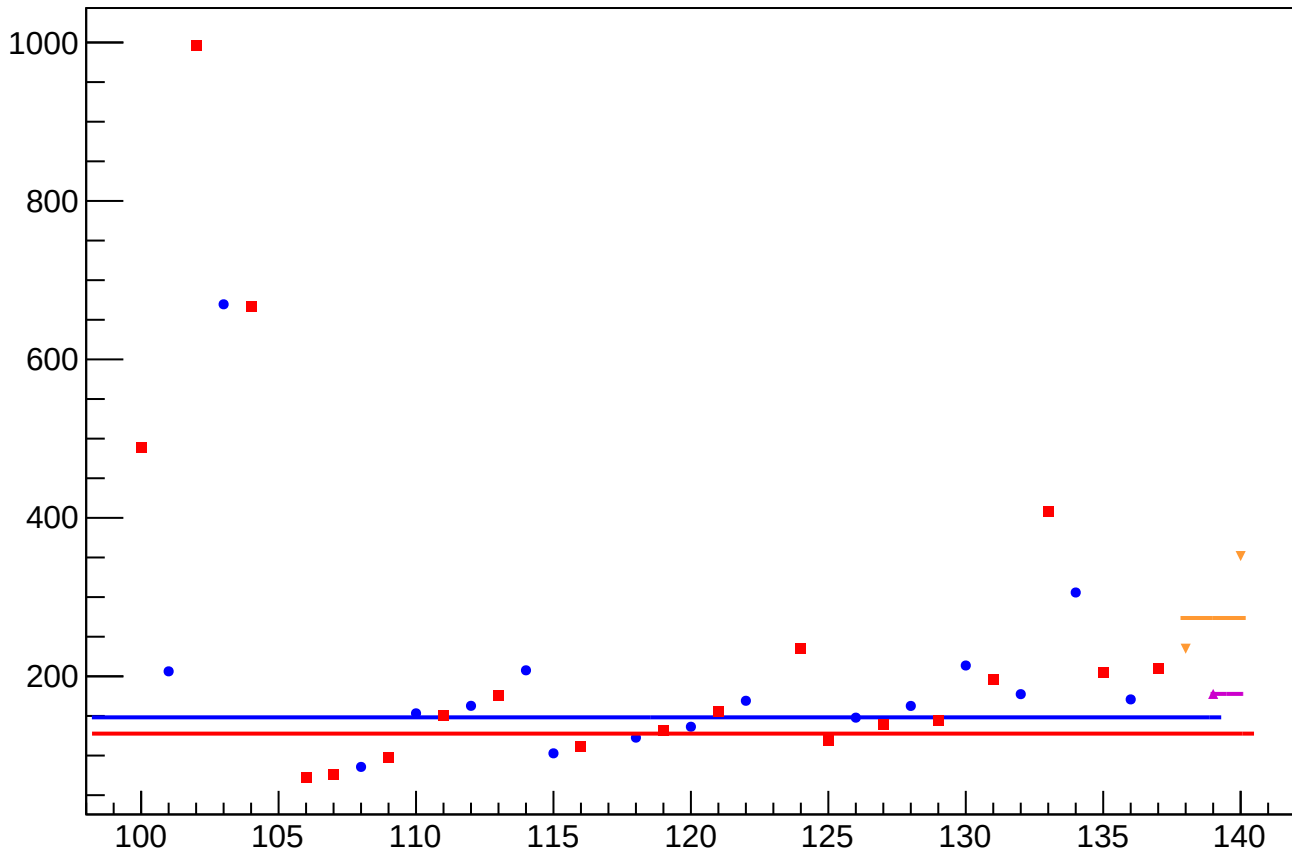
Left In: -0.521+/-0.204 χ^2/NDF : 0.0/0

+ sign 0.022+/-0.058 χ^2/NDF : 11.1/17

All: 0.023+/-0.039 χ^2/NDF : 41.0/37

- sign 0.024+/-0.053 χ^2/NDF : 29.9/19

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240 $\pm$ 0.042 χ^2 /NDF: 1710035.6/15

Left Out: 273.625 $\pm$ 0.158 χ^2 /NDF:121273.7/1

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

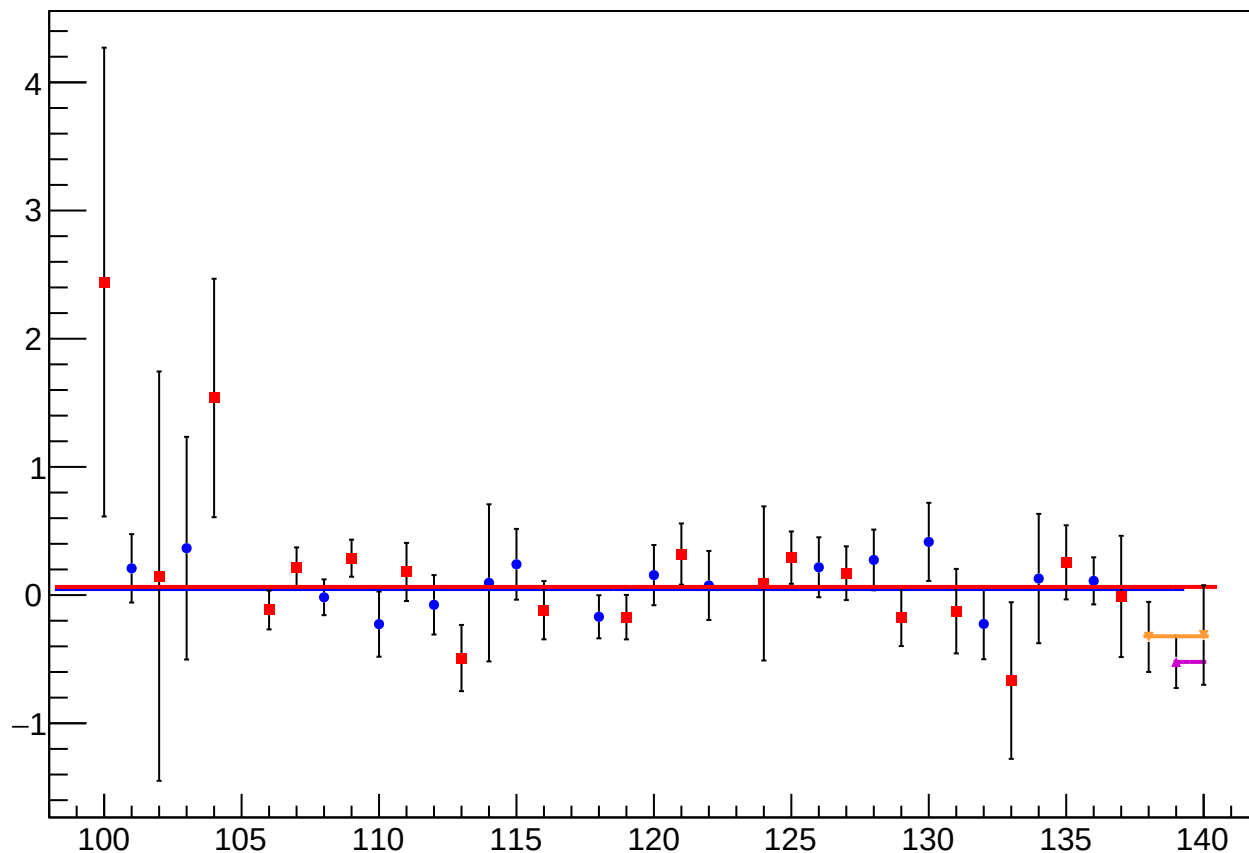
Left In: 177.818 $\pm$ 0.144 χ^2 /NDF:0.0/0

+ sign 156.671 $\pm$ 0.041 χ^2 /NDF: 2418039.8/17

All: 142.665 $\pm$ 0.028 χ^2 /NDF: 5586146.9/37

- sign 131.046 $\pm$ 0.037 χ^2 /NDF: 2954532.4/19

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 0.060 χ^2 /NDF: 8.6/15

Left Out: -0.321 $\pm$ 0.224 χ^2 /NDF: 0.0/1

Right Out: 0.064 $\pm$ 0.055 χ^2 /NDF: 22.2/18

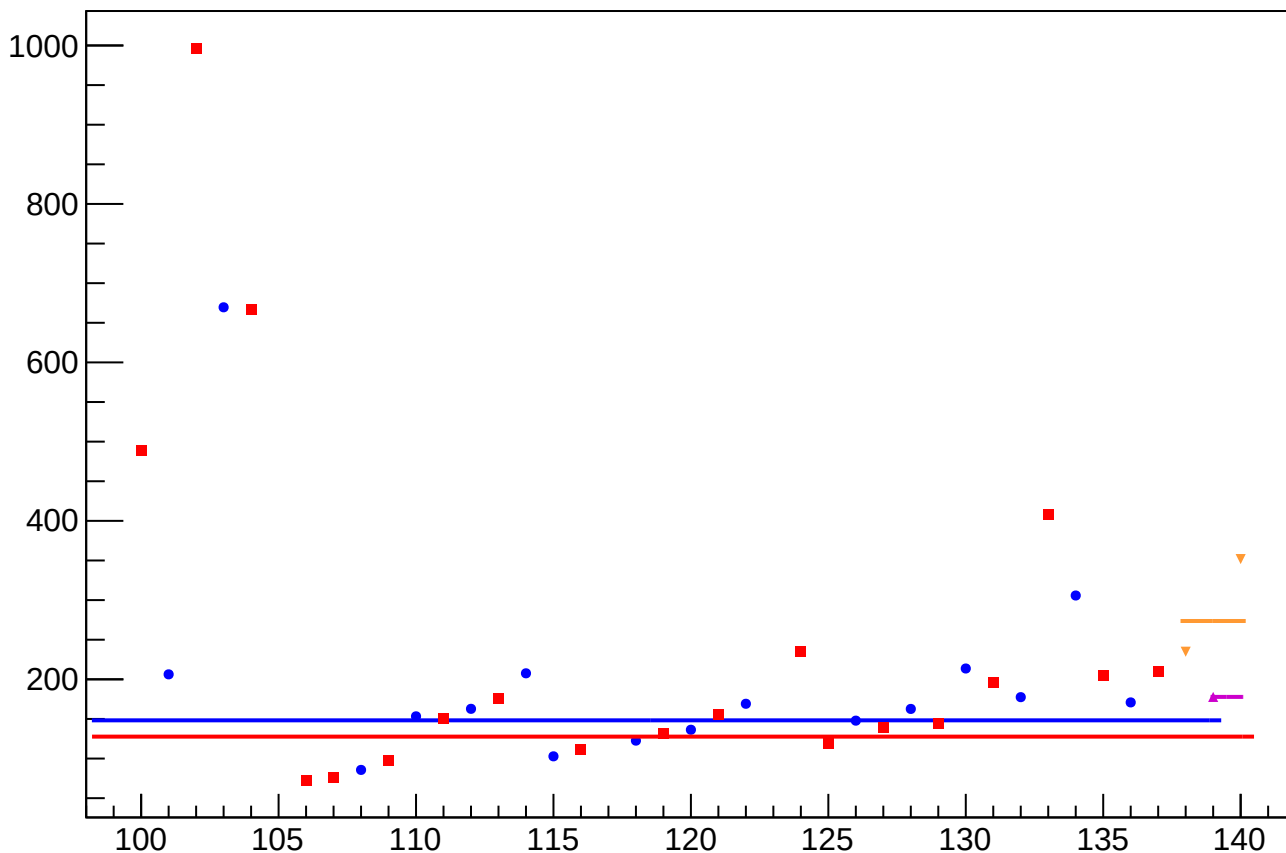
Left In: -0.521 $\pm$ 0.204 χ^2 /NDF: 0.0/0

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.023 $\pm$ 0.039 χ^2 /NDF: 41.0/37

- sign 0.024 $\pm$ 0.053 χ^2 /NDF: 29.9/19

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240 $\pm$ 0.042 χ^2 /NDF: 1710035.6/15

Left Out: 273.625 $\pm$ 0.158 χ^2 /NDF:121273.7/1

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

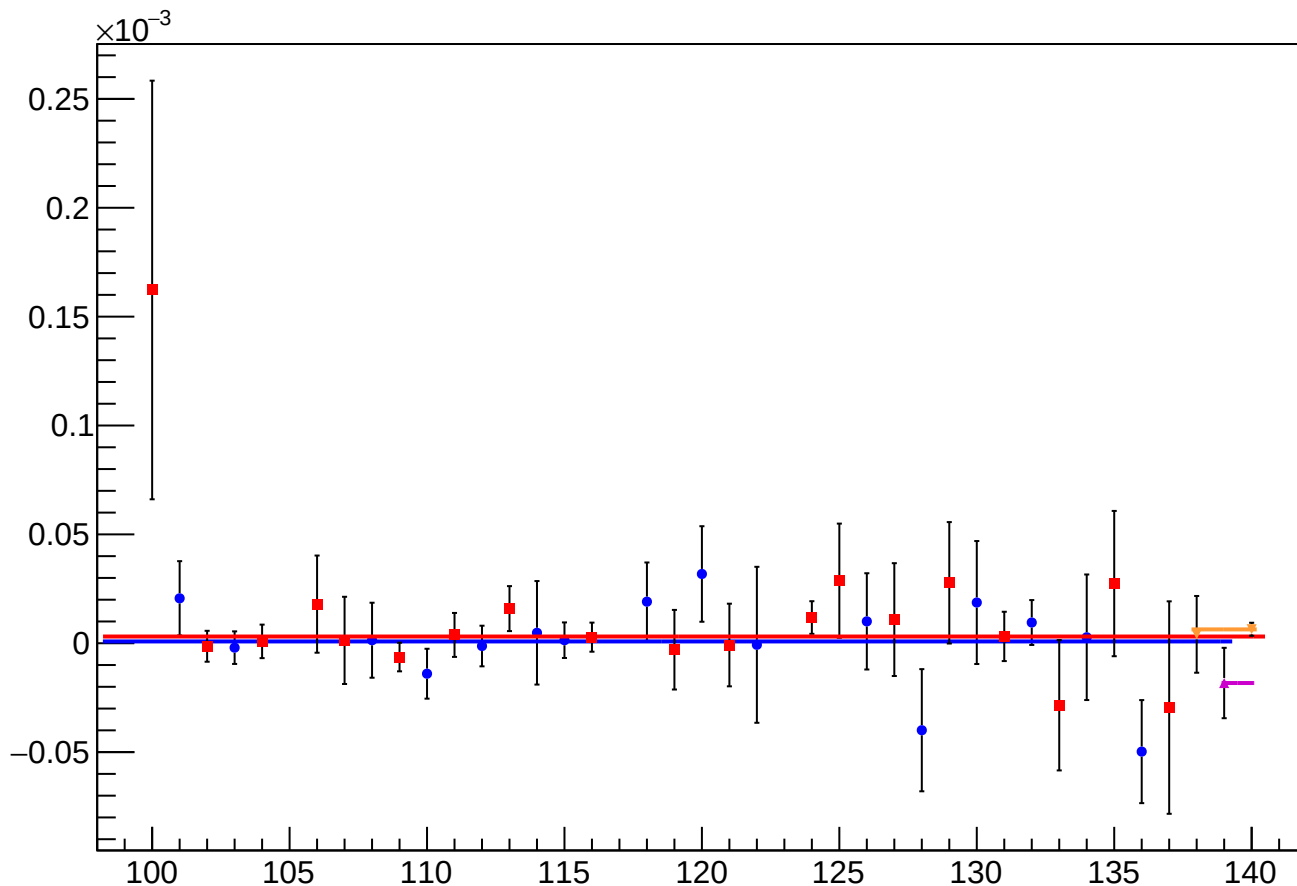
Left In: 177.818 $\pm$ 0.144 χ^2 /NDF:0.0/0

+ sign 156.671 $\pm$ 0.041 χ^2 /NDF: 2418039.8/17

All: 142.665 $\pm$ 0.028 χ^2 /NDF: 5586146.9/37

- sign 131.046 $\pm$ 0.037 χ^2 /NDF: 2954532.4/19

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

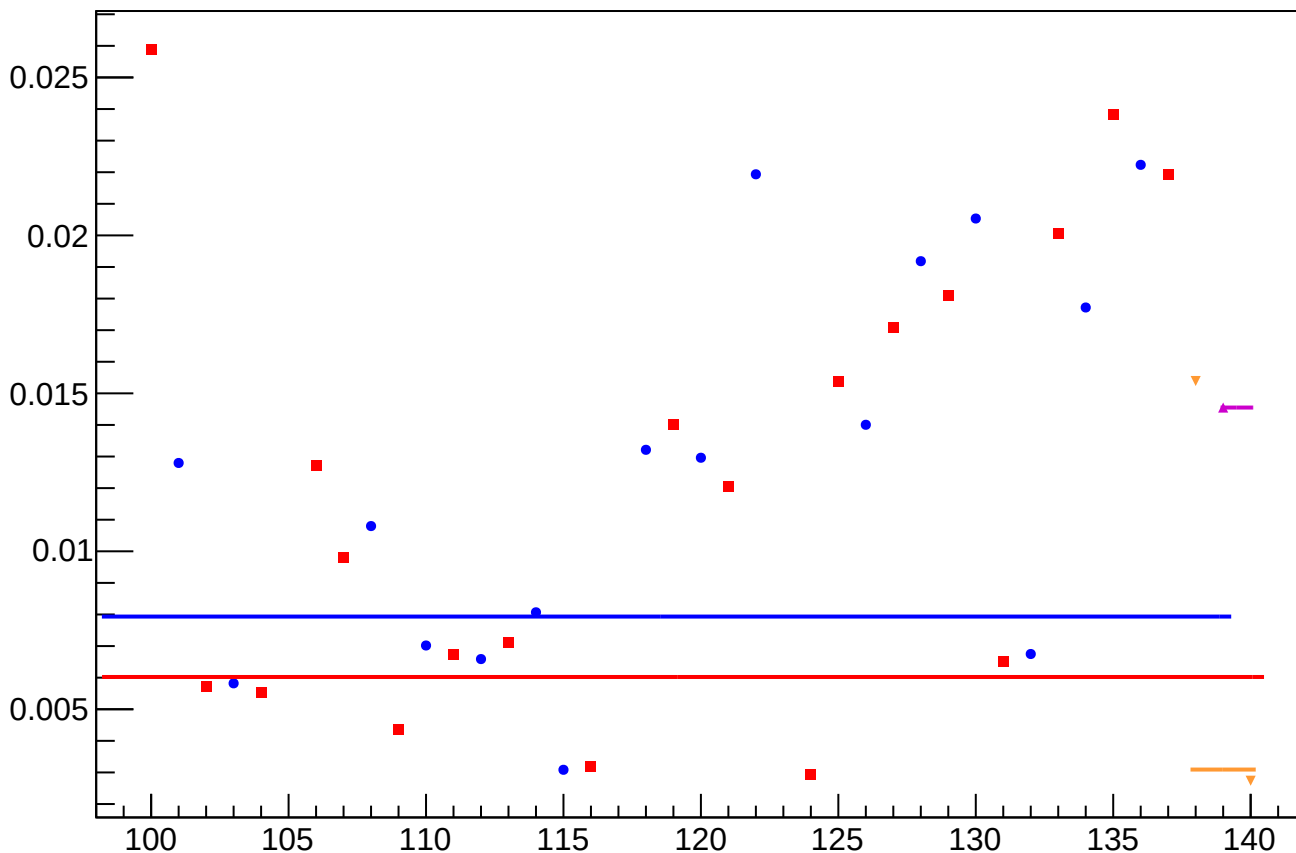
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/19

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3577687.8/15

Left Out: 0.003+/-0.000 χ^2/NDF : 1001805.8/1

Right Out: 0.006+/-0.000 χ^2/NDF : 4009592.0/18

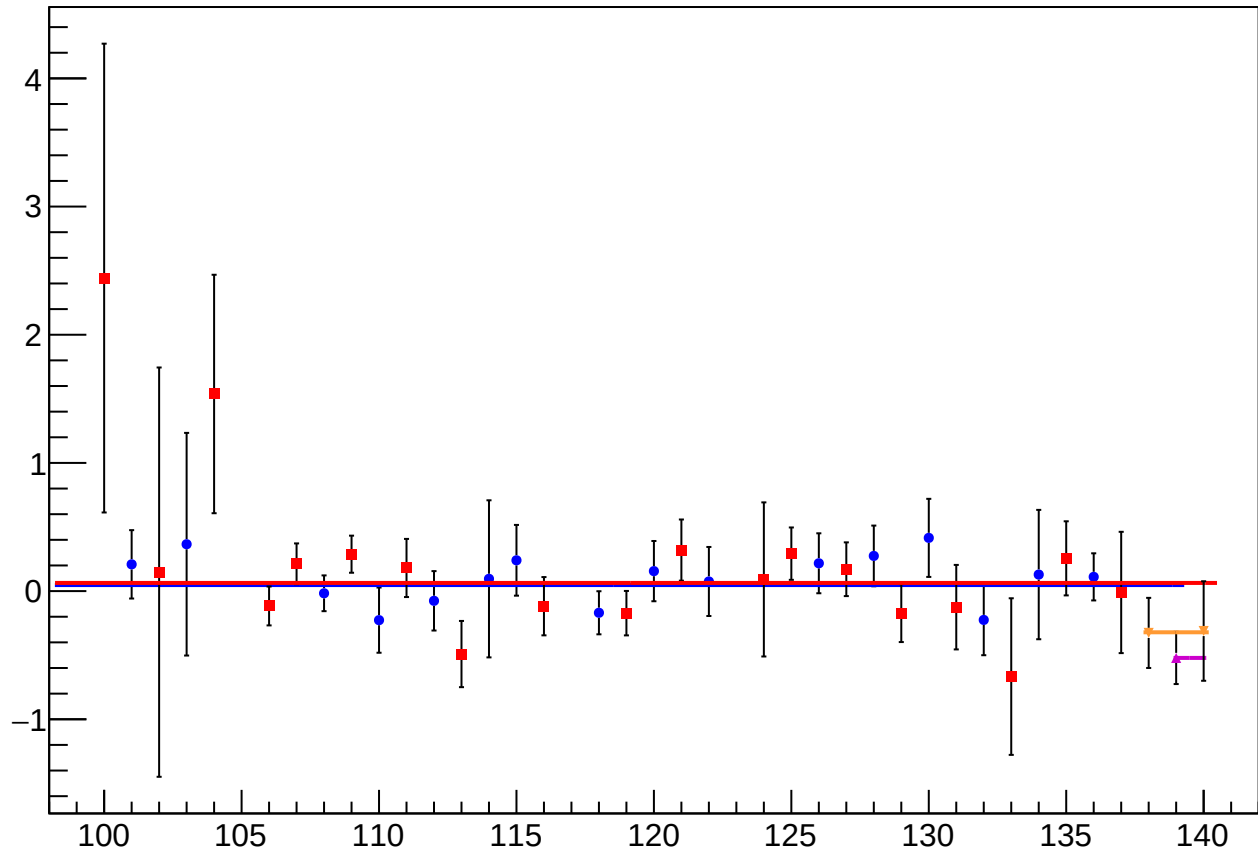
Left In: 0.015+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.005+/-0.000 χ^2/NDF : 6849533.1/17

All: 0.006+/-0.000 χ^2/NDF : 11612991.7/37

- sign 0.006+/-0.000 χ^2/NDF : 4552155.6/19

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 0.060 χ^2 /NDF: 8.6/15

Left Out: -0.321 $\pm$ 0.224 χ^2 /NDF: 0.0/1

Right Out: 0.064 $\pm$ 0.055 χ^2 /NDF: 22.2/18

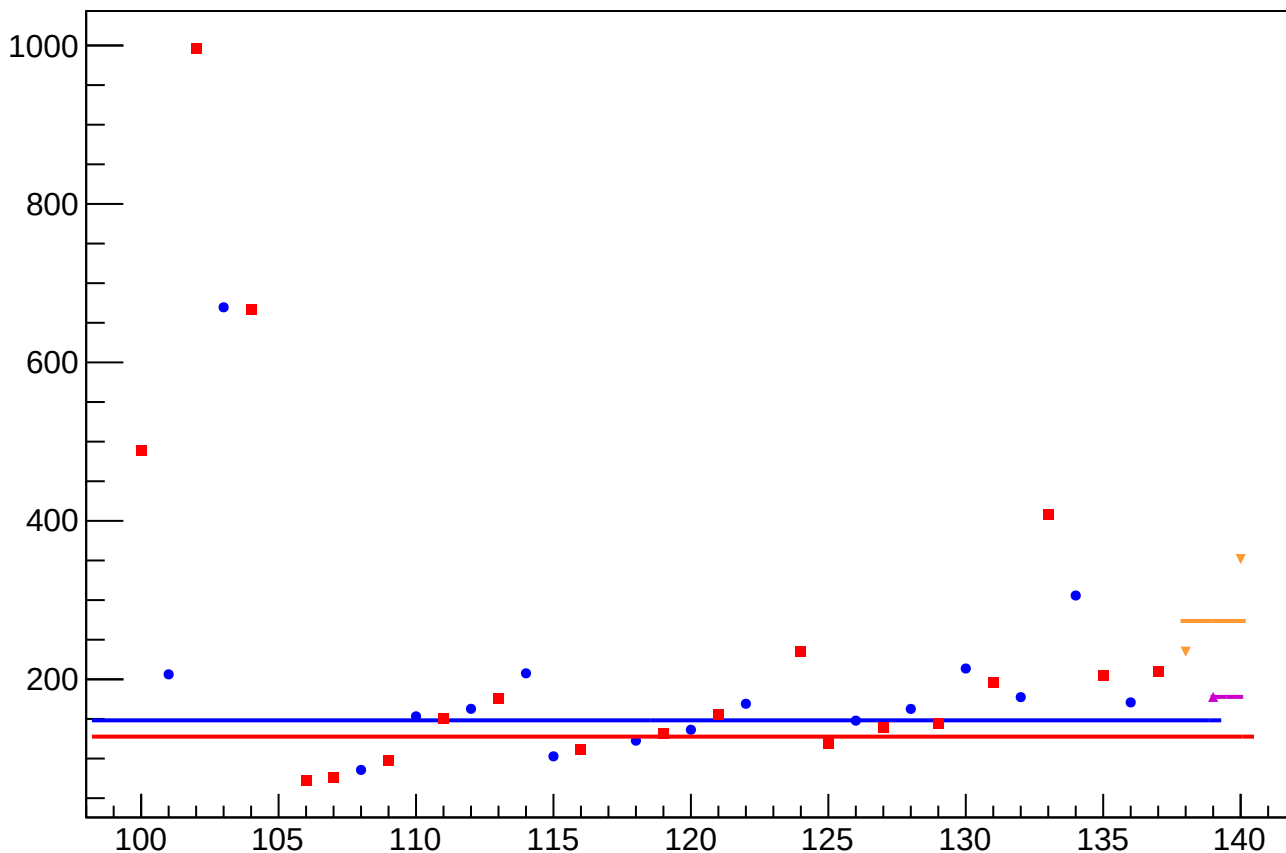
Left In: -0.521 $\pm$ 0.204 χ^2 /NDF: 0.0/0

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.023 $\pm$ 0.039 χ^2 /NDF: 41.0/37

- sign 0.024 $\pm$ 0.053 χ^2 /NDF: 29.9/19

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238 $\pm$ 0.042 χ^2 /NDF: 1710114.4/15

Left Out: 273.629 $\pm$ 0.158 χ^2 /NDF:121259.0/1

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841772.5/18

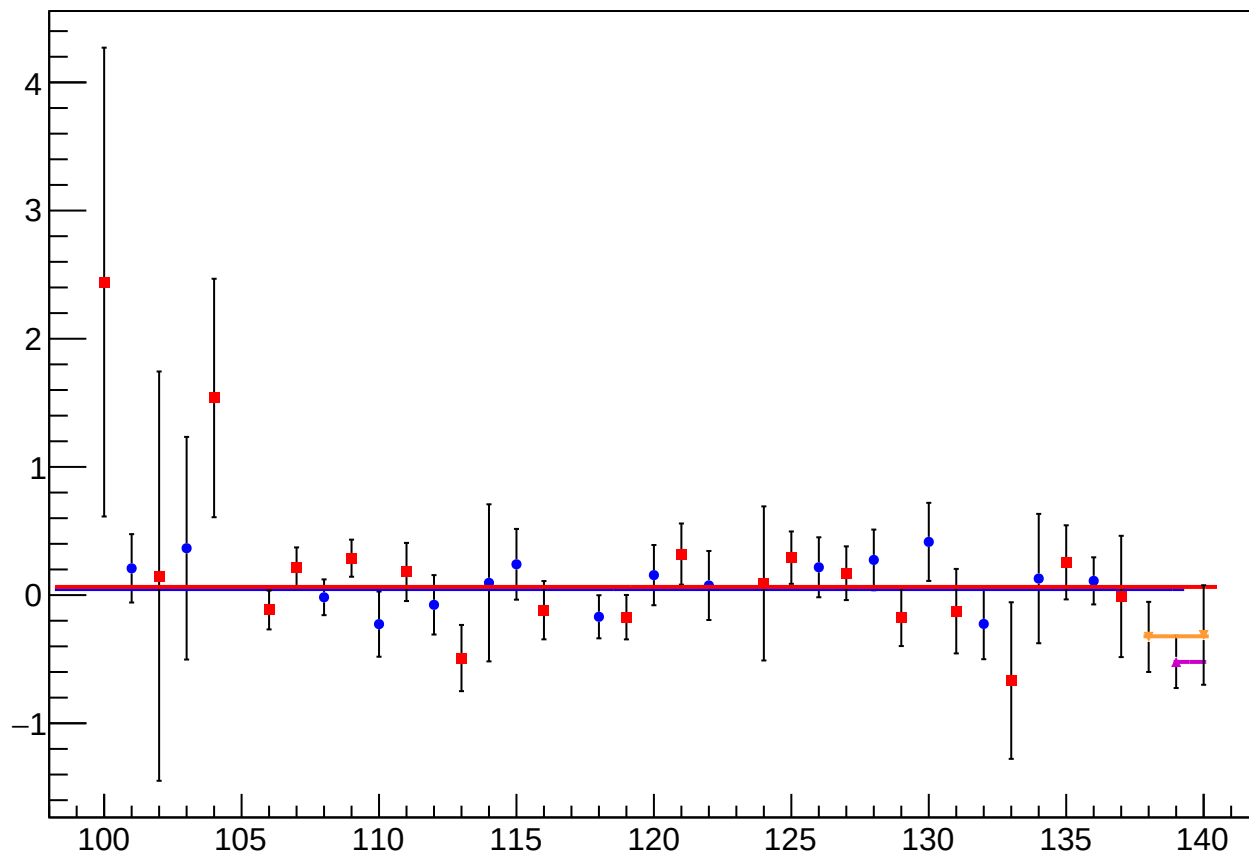
Left In: 177.821 $\pm$ 0.144 χ^2 /NDF:0.0/0

+ sign 156.669 $\pm$ 0.041 χ^2 /NDF: 2418151.2/17

All: 142.664 $\pm$ 0.028 χ^2 /NDF: 5586219.0/37

- sign 131.046 $\pm$ 0.037 χ^2 /NDF: 2954533.0/19

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 0.060 χ^2 /NDF: 8.6/15

Left Out: -0.321 $\pm$ 0.224 χ^2 /NDF: 0.0/1

Right Out: 0.064 $\pm$ 0.055 χ^2 /NDF: 22.2/18

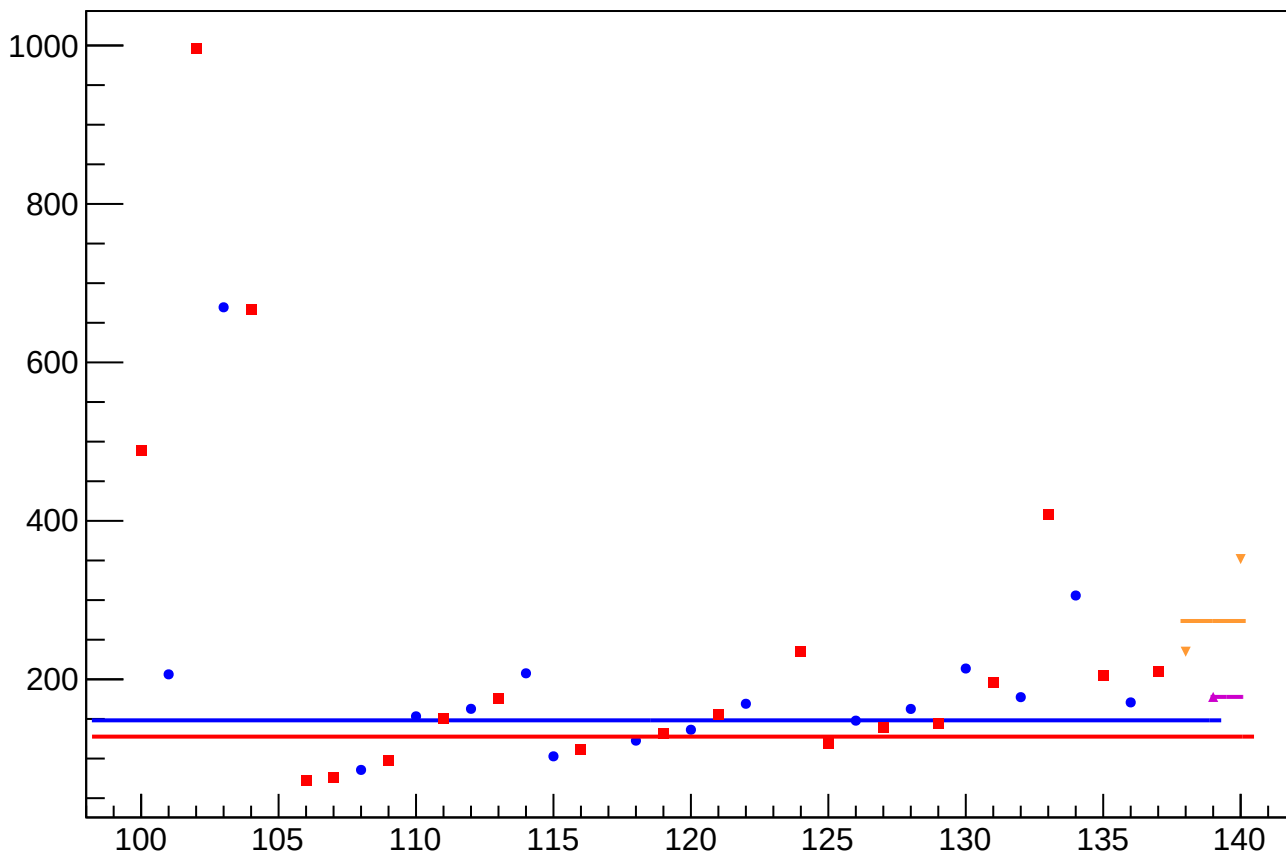
Left In: -0.521 $\pm$ 0.204 χ^2 /NDF: 0.0/0

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.023 $\pm$ 0.039 χ^2 /NDF: 41.0/37

- sign 0.024 $\pm$ 0.053 χ^2 /NDF: 29.9/19

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF : 1710114.4/15

Left Out: 273.629+/-0.158 χ^2/NDF :121259.0/1

Right Out: 127.685+/-0.039 χ^2/NDF : 2841772.5/18

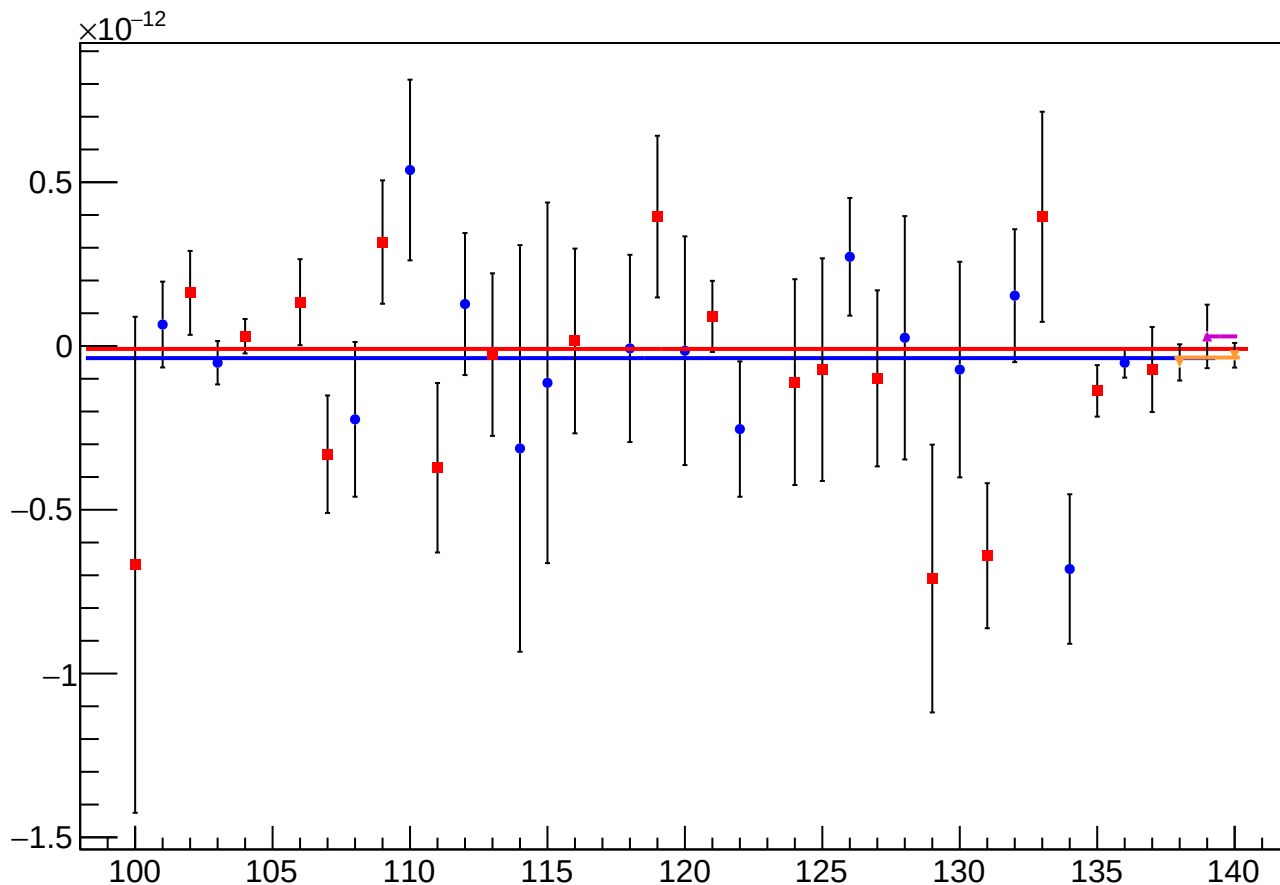
Left In: 177.821+/-0.144 χ^2/NDF :0.0/0

+ sign 156.669+/-0.041 χ^2/NDF : 2418151.2/17

All: 142.664+/-0.028 χ^2/NDF : 5586219.0/37

- sign 131.046+/-0.037 χ^2/NDF : 2954533.0/19

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.5/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.1/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.8/18

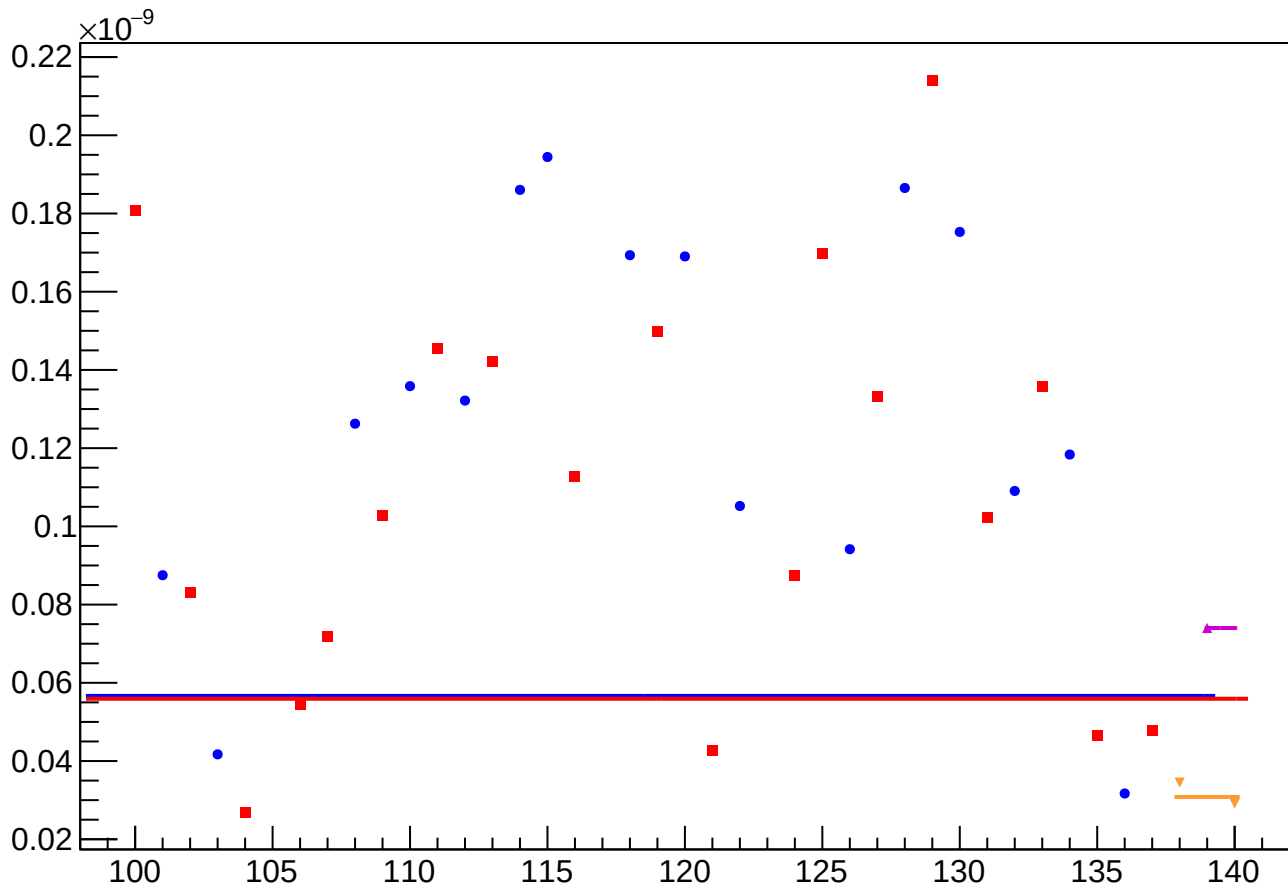
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 19.6/17

All: -0.000 ± 0.000 χ^2/NDF : 52.2/37

- sign -0.000 ± 0.000 χ^2/NDF : 31.9/19

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :12795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2732977.9/18

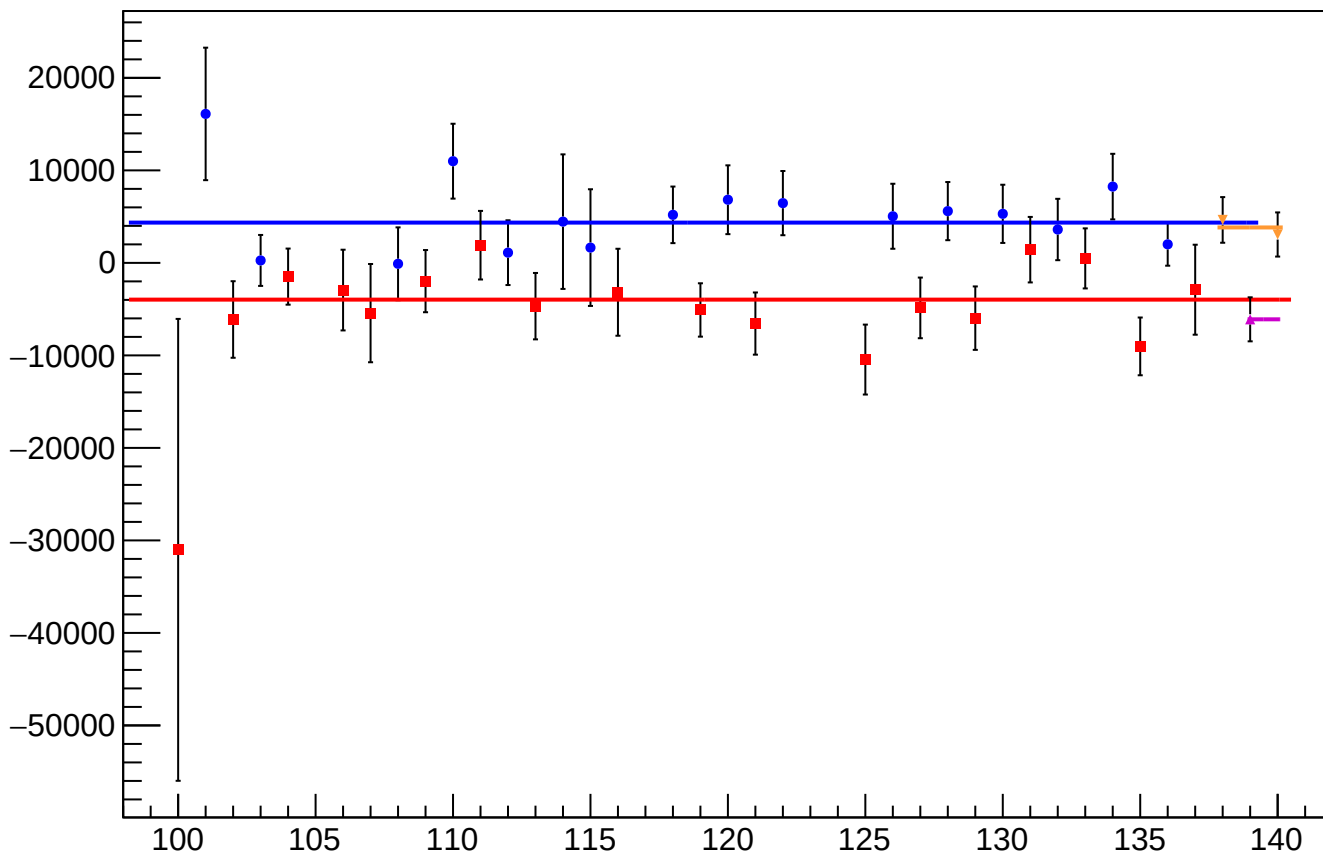
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3792692.1/17

All: 0.000+/-0.000 χ^2/NDF : 6879575.6/37

- sign 0.000+/-0.000 χ^2/NDF : 2795825.6/19

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF : 13.4/15

Left Out: 3829.958+/-1715.254 χ^2/NDF : 0.2/1

Right Out: -3971.679+/-871.305 χ^2/NDF : 16.2/17

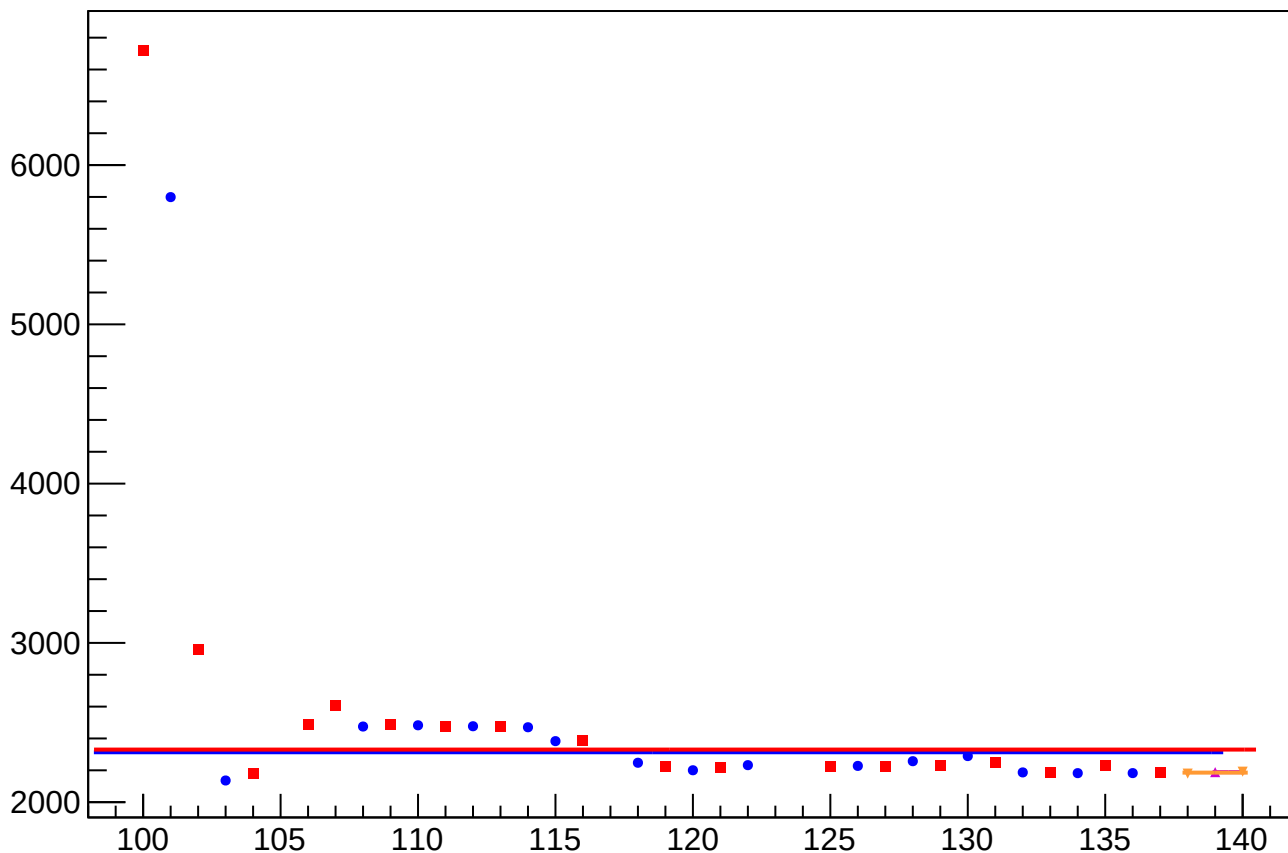
Left In: -6101.098+/-2379.253 χ^2/NDF : 0.0/0

+ sign 4246.035+/-779.550 χ^2/NDF : 13.7/17

All: 215.871+/-564.384 χ^2/NDF : 86.7/36

- sign -4223.485+/-818.168 χ^2/NDF : 16.9/18

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF : 512371.8/15

Left Out: 2185.521+/-1.213 χ^2/NDF :24.9/1

Right Out: 2330.200+/-0.616 χ^2/NDF : 151210.5/17

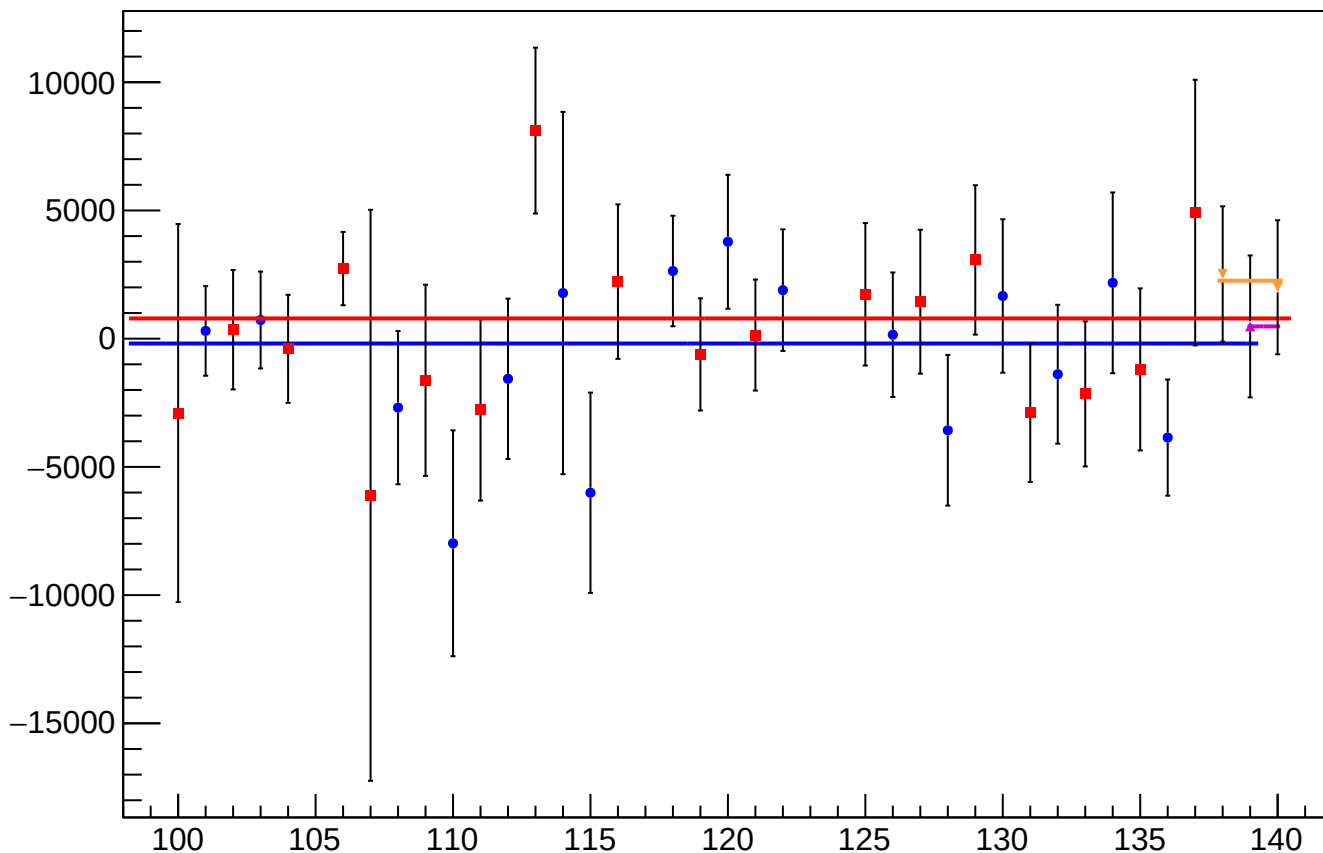
Left In: 2188.643+/-1.682 χ^2/NDF :0.0/0

+ sign 2286.997+/-0.551 χ^2/NDF : 521219.0/17

All: 2299.590+/-0.399 χ^2/NDF : 679768.8/36

- sign 2313.461+/-0.579 χ^2/NDF : 157453.0/18

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: -188.660+/-658.334 χ^2/NDF : 16.4/15

Left Out: 2260.684+/-1857.949 χ^2/NDF : 0.0/1

Right Out: 789.317+/-634.900 χ^2/NDF : 14.9/17

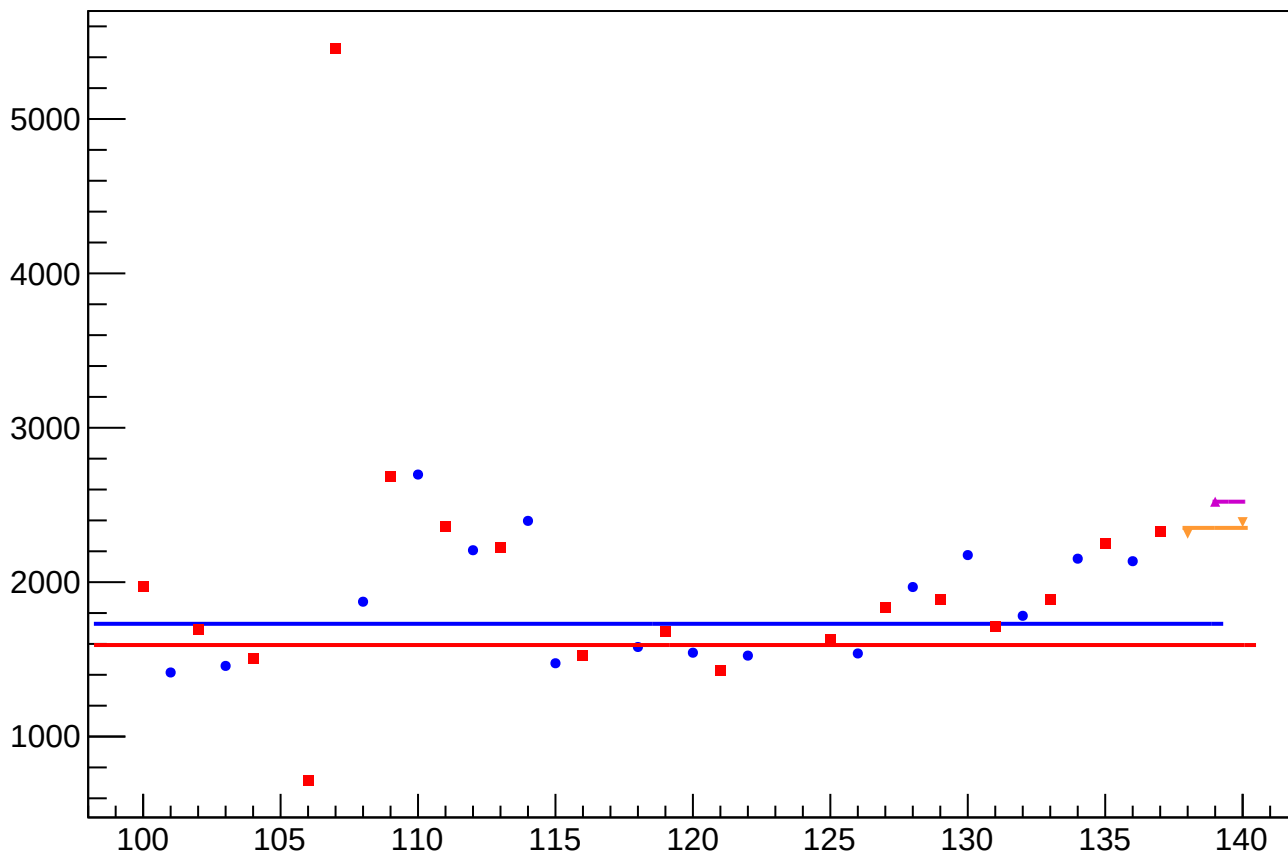
Left In: 478.642+/-2766.816 χ^2/NDF : 0.0/0

+ sign 84.558+/-620.531 χ^2/NDF : 18.0/17

All: 430.121+/-438.174 χ^2/NDF : 33.5/36

- sign 773.777+/-618.817 χ^2/NDF : 14.9/18

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1730.288+/-0.466 χ^2/NDF : 478932.0/15

Left Out: 2351.547+/-1.314 χ^2/NDF : 807.4/1

Right Out: 1592.824+/-0.449 χ^2/NDF : 1556204.8/17

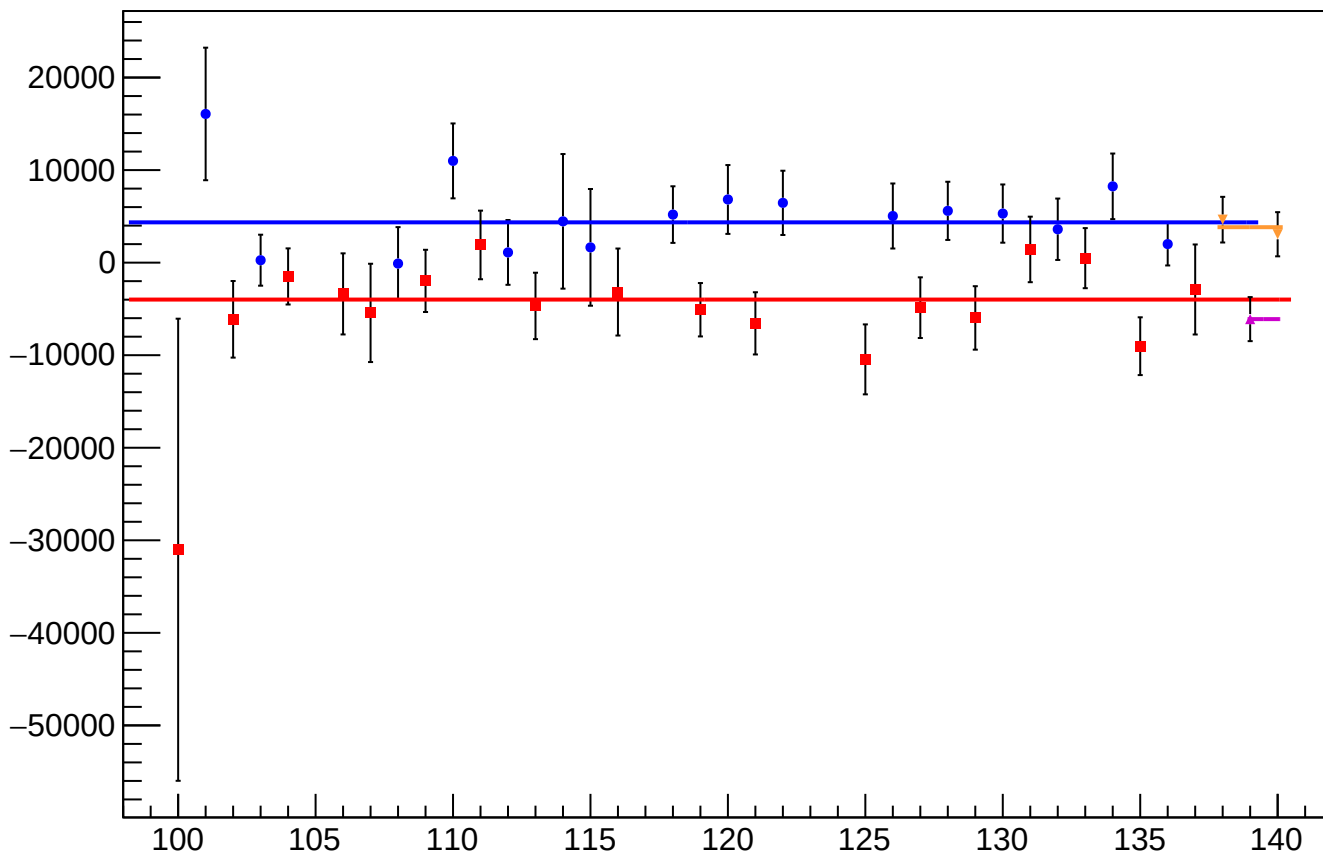
Left In: 2521.253+/-1.956 χ^2/NDF : 0.0/0

+ sign 1799.587+/-0.439 χ^2/NDF : 678414.1/17

All: 1719.205+/-0.310 χ^2/NDF : 2515488.1/30

- sign 1639.266+/-0.438 χ^2/NDF : 1770138.9/18

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670 $\pm$ 875.155 χ^2 /NDF: 13.4/15

Left Out: 3830.068 $\pm$ 1715.254 χ^2 /NDF:0.2/1

Right Out: -3989.884 $\pm$ 871.455 χ^2 /NDF: 16.1/17

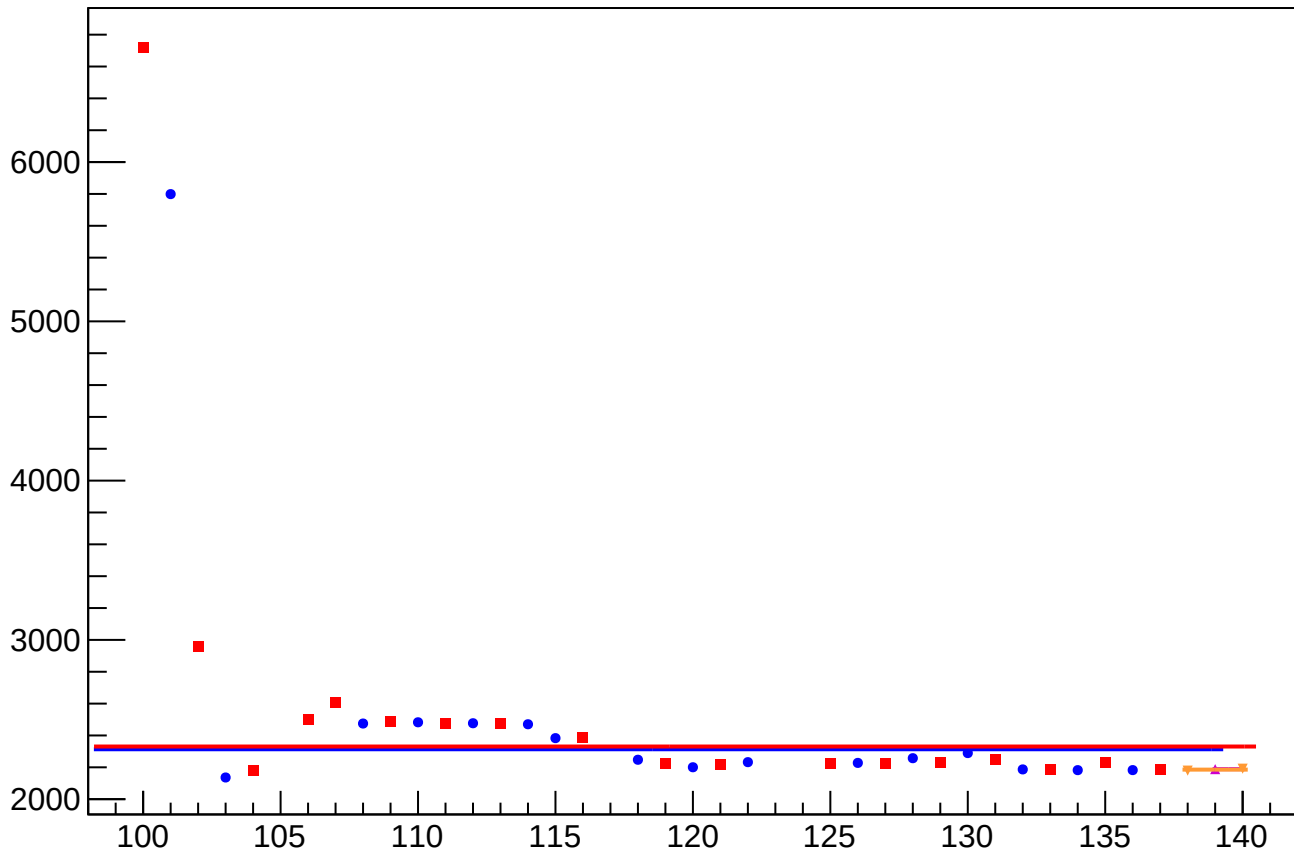
Left In: -6101.663 $\pm$ 2379.253 χ^2 /NDF:0.0/0

+ sign 4245.519 $\pm$ 779.550 χ^2 /NDF: 13.6/17

All: 208.538 $\pm$ 564.425 χ^2 /NDF: 86.8/36

- sign -4239.680 $\pm$ 818.293 χ^2 /NDF: 16.8/18

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF : 512372.3/15

Left Out: 2185.521+/-1.213 χ^2/NDF : 24.9/1

Right Out: 2330.570+/-0.616 χ^2/NDF : 151556.6/17

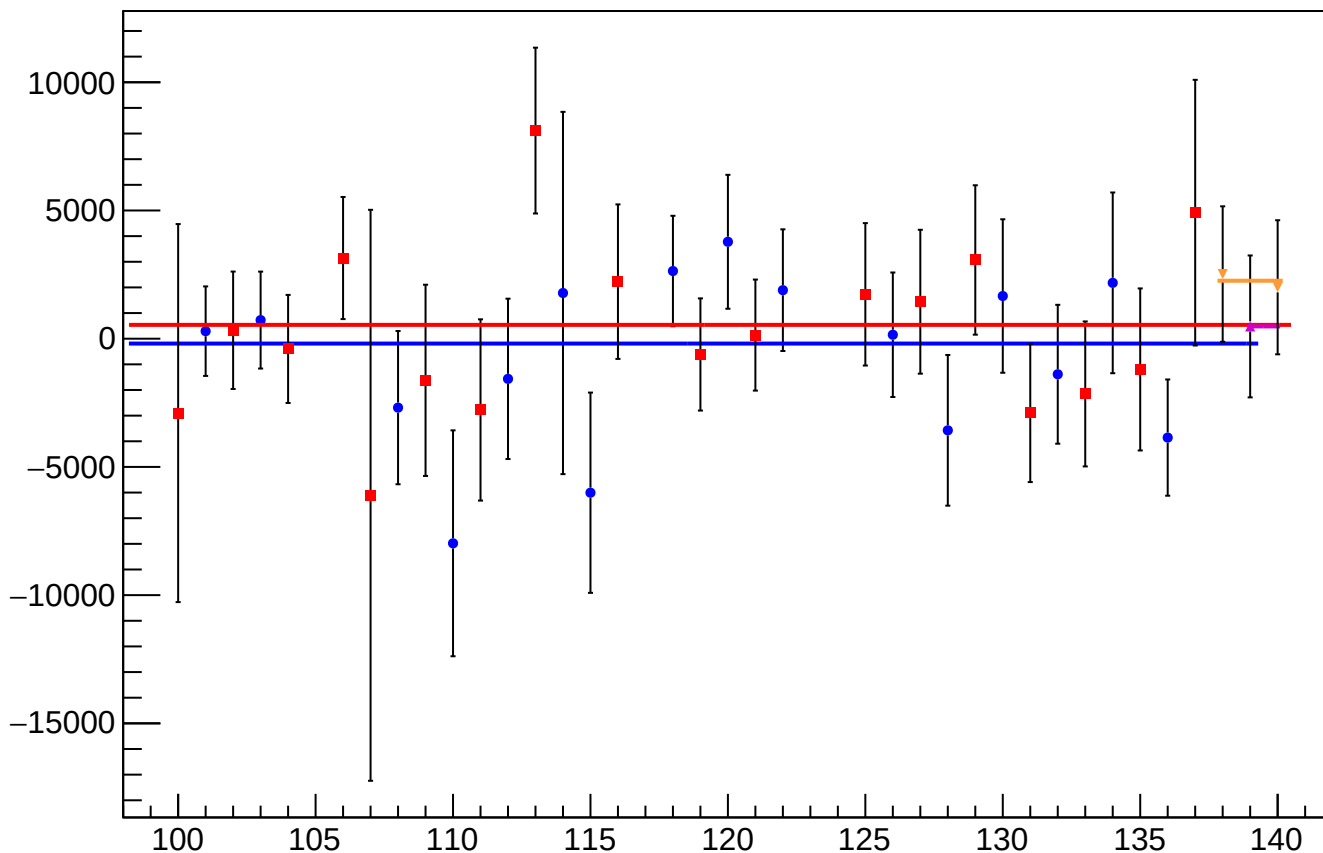
Left In: 2188.643+/-1.682 χ^2/NDF : 0.0/0

+ sign 2286.997+/-0.551 χ^2/NDF : 521219.4/17

All: 2299.740+/-0.399 χ^2/NDF : 680174.2/36

- sign 2313.782+/-0.579 χ^2/NDF : 157831.4/18

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: -189.762 ± 658.205 $\chi^2/\text{NDF}: 16.4/15$

Left Out: 2260.848 ± 1857.946 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 539.517 ± 678.214 $\chi^2/\text{NDF}: 13.9/17$

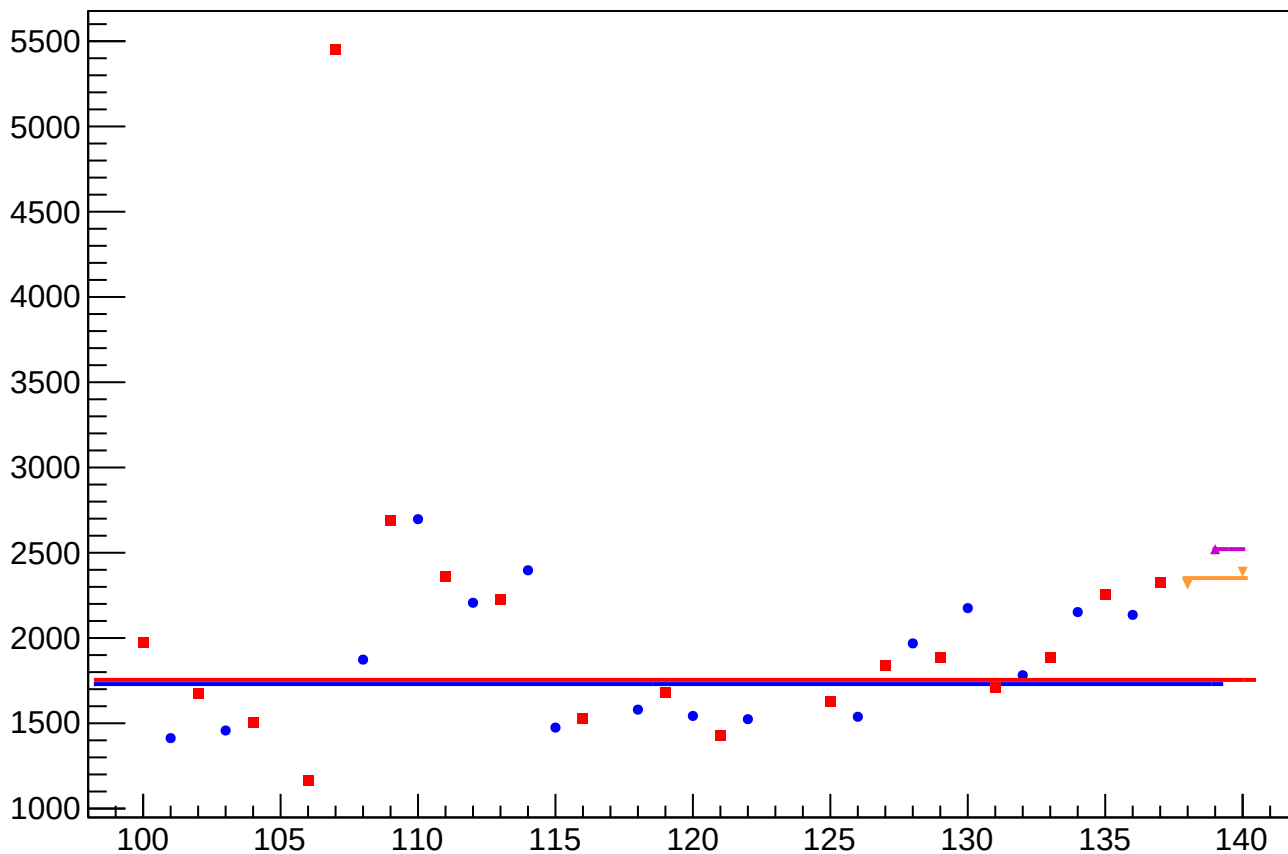
Left In: 478.632 ± 2766.838 $\chi^2/\text{NDF}: 0.0/0$

+ sign 83.502 ± 620.423 $\chi^2/\text{NDF}: 18.0/17$

All: 296.249 ± 451.635 $\chi^2/\text{NDF}: 32.2/36$

- sign 536.066 ± 658.714 $\chi^2/\text{NDF}: 13.9/18$

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: 2351.542+/-1.314 χ^2/NDF : 807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF : 751010.0/17

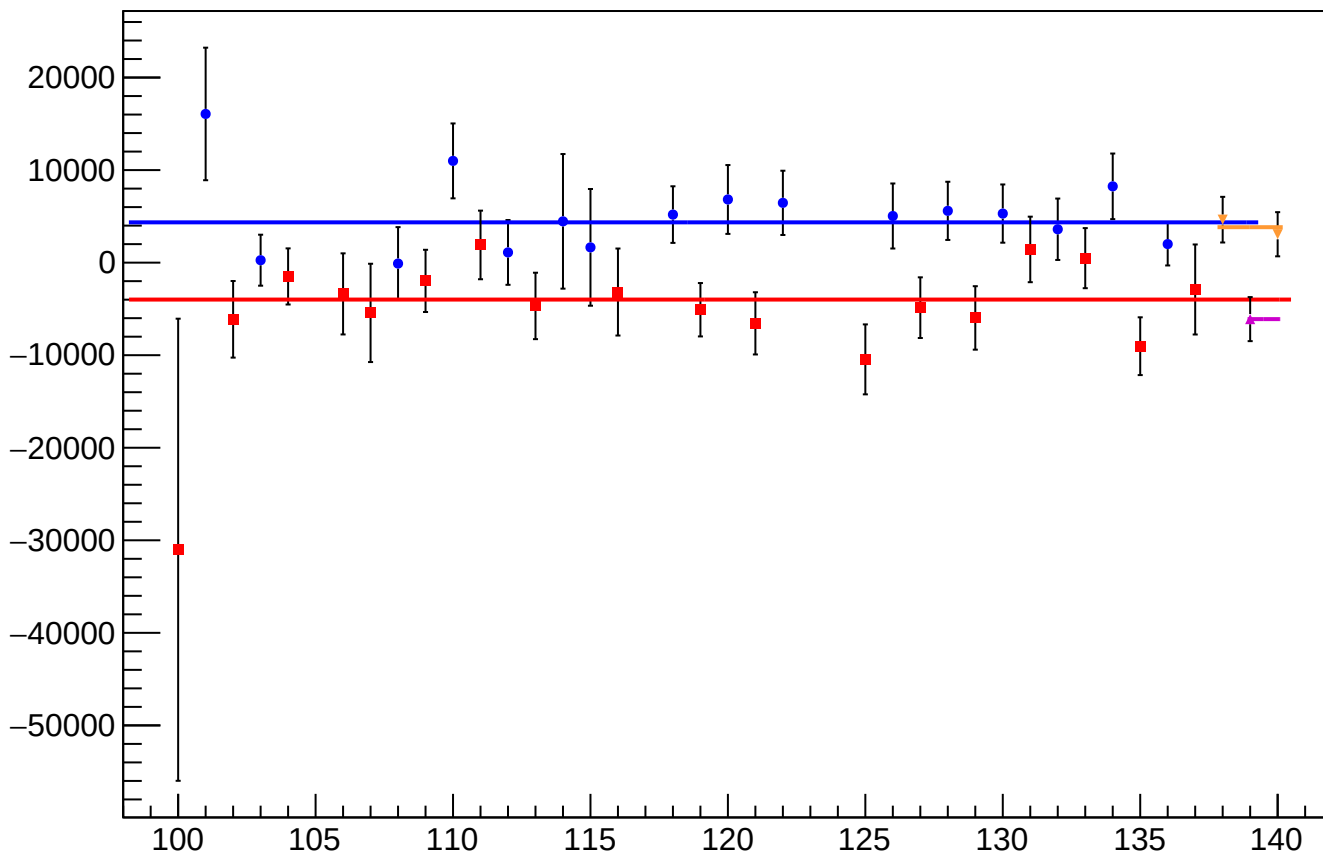
Left In: 2521.270+/-1.956 χ^2/NDF : 0.0/0

+ sign 1799.217+/-0.439 χ^2/NDF : 679635.3/17

All: 1798.638+/-0.319 χ^2/NDF : 1575533.6/30

- sign 1797.985+/-0.466 χ^2/NDF : 895894.6/18

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF : 13.4/15

Left Out: 3830.068+/-1715.254 χ^2/NDF : 0.2/1

Right Out: -3989.884+/-871.455 χ^2/NDF : 16.1/17

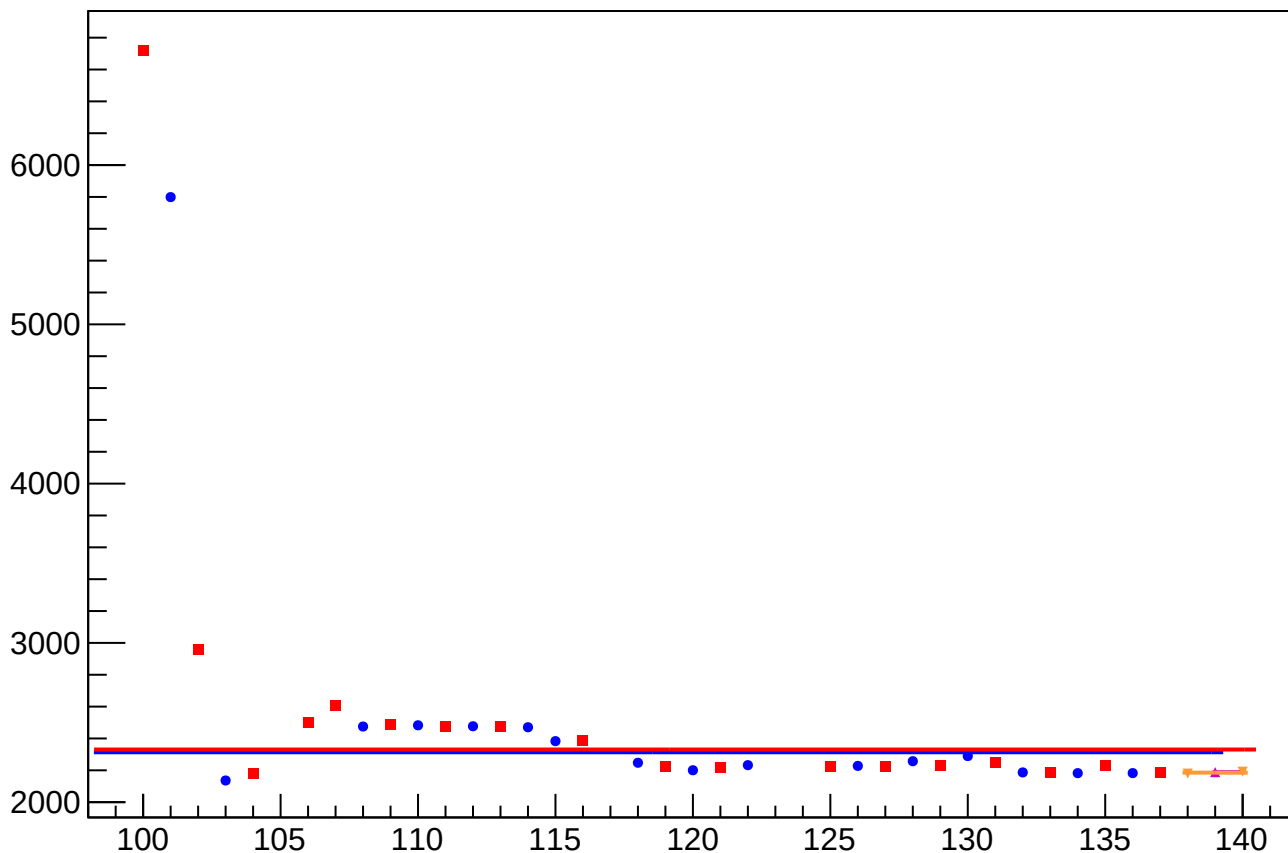
Left In: -6101.663+/-2379.253 χ^2/NDF : 0.0/0

+ sign 4245.519+/-779.550 χ^2/NDF : 13.6/17

All: 208.538+/-564.425 χ^2/NDF : 86.8/36

- sign -4239.680+/-818.293 χ^2/NDF : 16.8/18

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF : 512372.3/15

Left Out: 2185.521+/-1.213 χ^2/NDF : 24.9/1

Right Out: 2330.570+/-0.616 χ^2/NDF : 151556.6/17

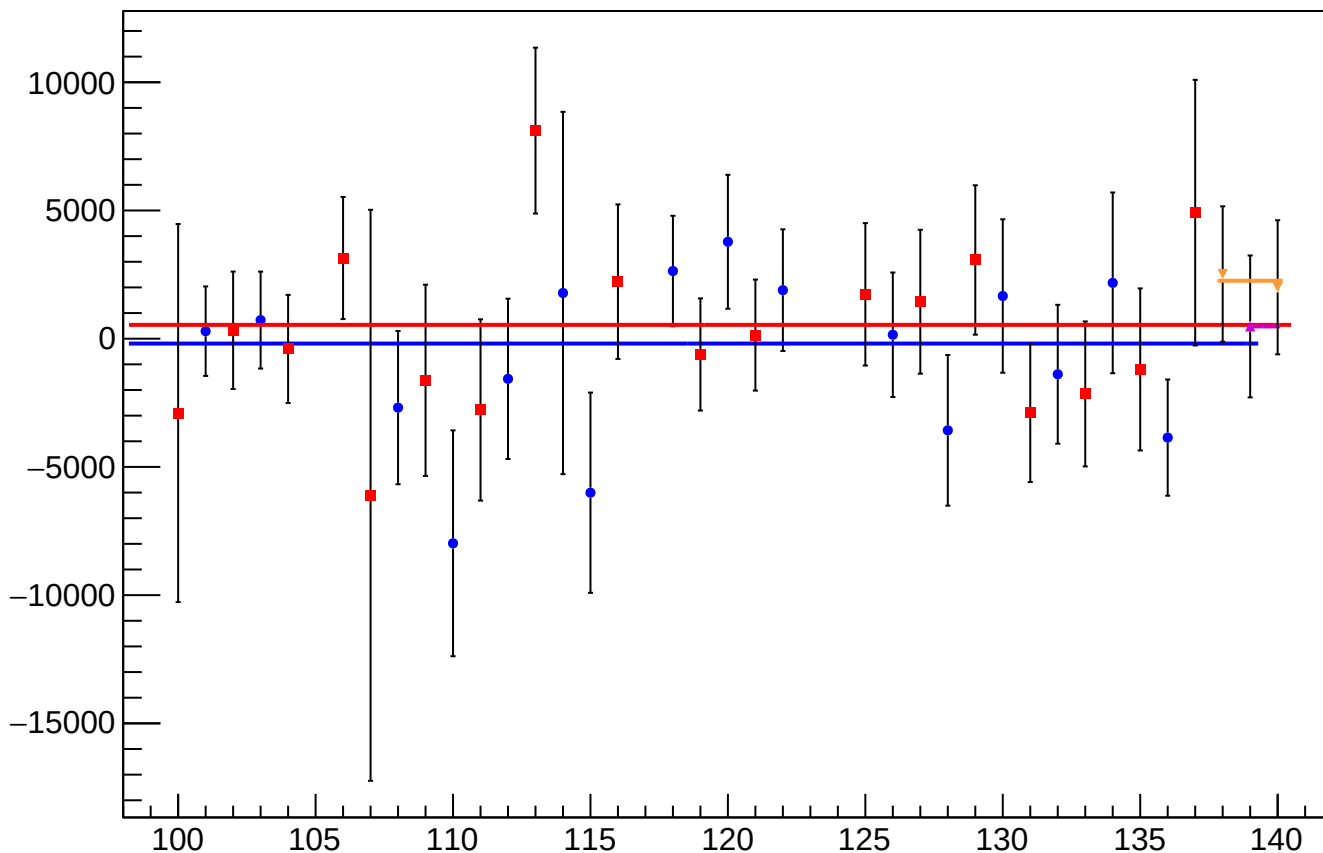
Left In: 2188.643+/-1.682 χ^2/NDF : 0.0/0

+ sign 2286.997+/-0.551 χ^2/NDF : 521219.4/17

All: 2299.740+/-0.399 χ^2/NDF : 680174.2/36

- sign 2313.782+/-0.579 χ^2/NDF : 157831.4/18

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -189.762 ± 658.205 $\chi^2/\text{NDF}: 16.4/15$

Left Out: 2260.848 ± 1857.946 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 539.517 ± 678.214 $\chi^2/\text{NDF}: 13.9/17$

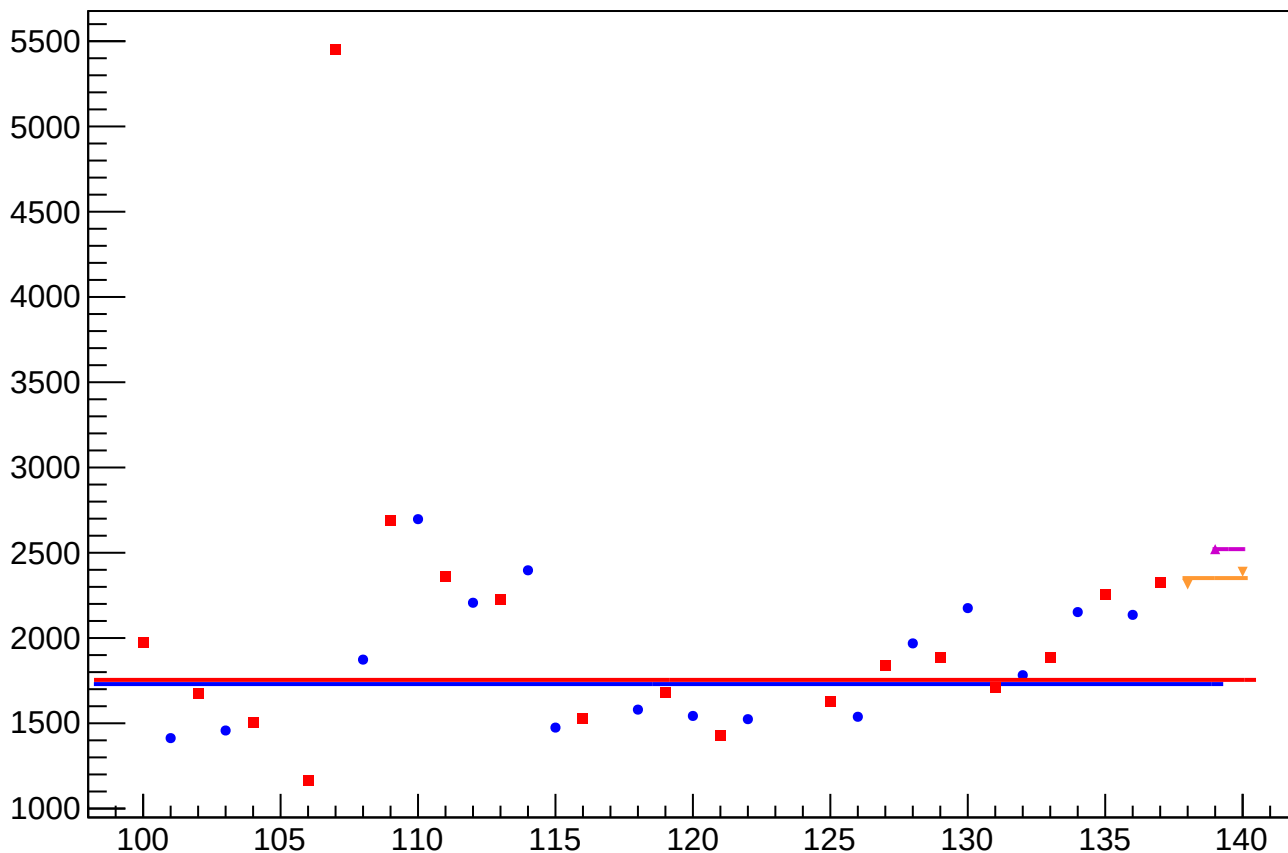
Left In: 478.632 ± 2766.838 $\chi^2/\text{NDF}: 0.0/0$

+ sign 83.502 ± 620.423 $\chi^2/\text{NDF}: 18.0/17$

All: 296.249 ± 451.635 $\chi^2/\text{NDF}: 32.2/36$

- sign 536.066 ± 658.714 $\chi^2/\text{NDF}: 13.9/18$

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF : 479898.2/15

Left Out: 2351.542+/-1.314 χ^2/NDF : 807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF : 751010.0/17

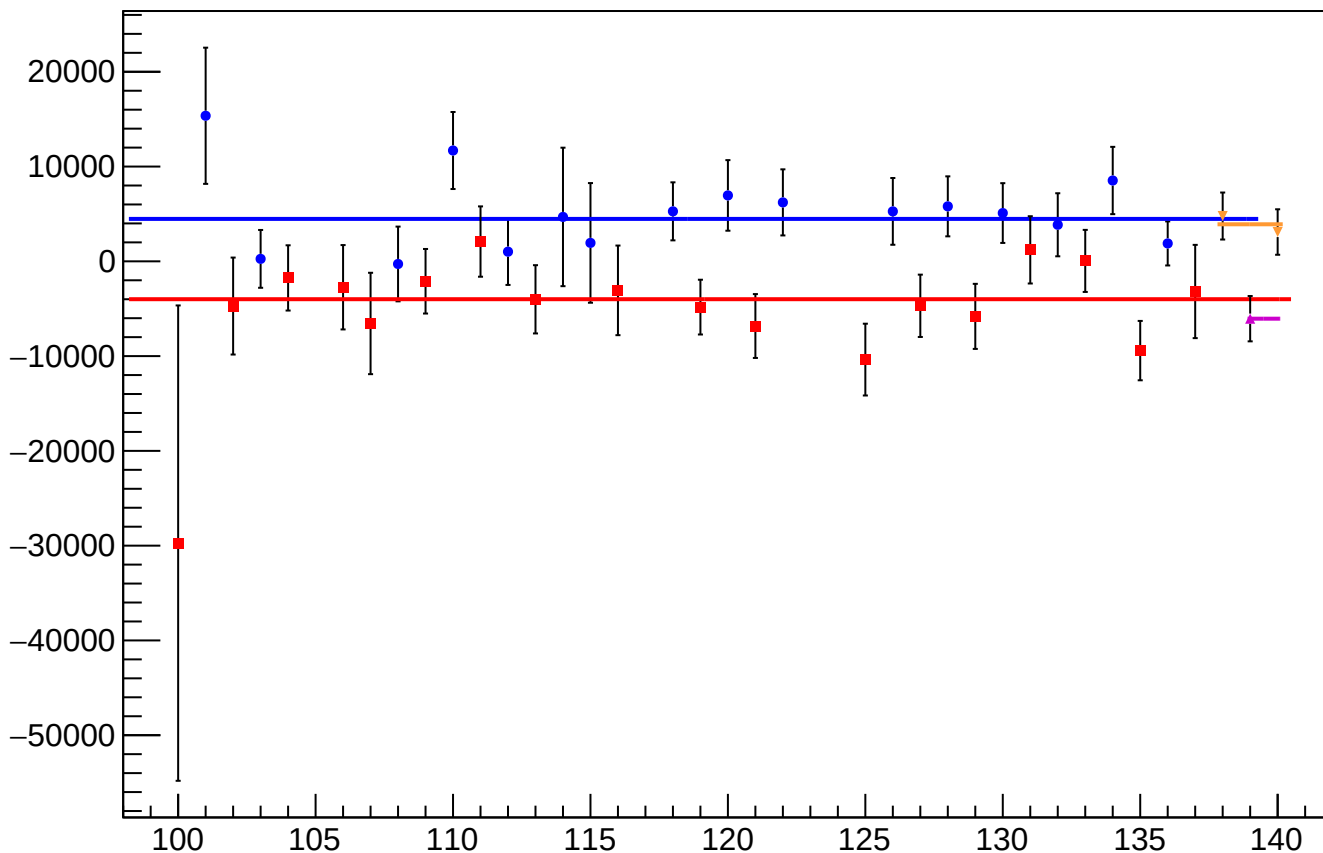
Left In: 2521.270+/-1.956 χ^2/NDF : 0.0/0

+ sign 1799.217+/-0.439 χ^2/NDF : 679635.3/17

All: 1798.638+/-0.319 χ^2/NDF : 1575533.6/30

- sign 1797.985+/-0.466 χ^2/NDF : 895894.6/18

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431 $\pm$ 886.087 χ^2 /NDF: 13.5/15

Left Out: 3908.547 $\pm$ 1724.225 χ^2 /NDF: 0.2/1

Right Out: -3995.807 $\pm$ 890.441 χ^2 /NDF: 15.5/17

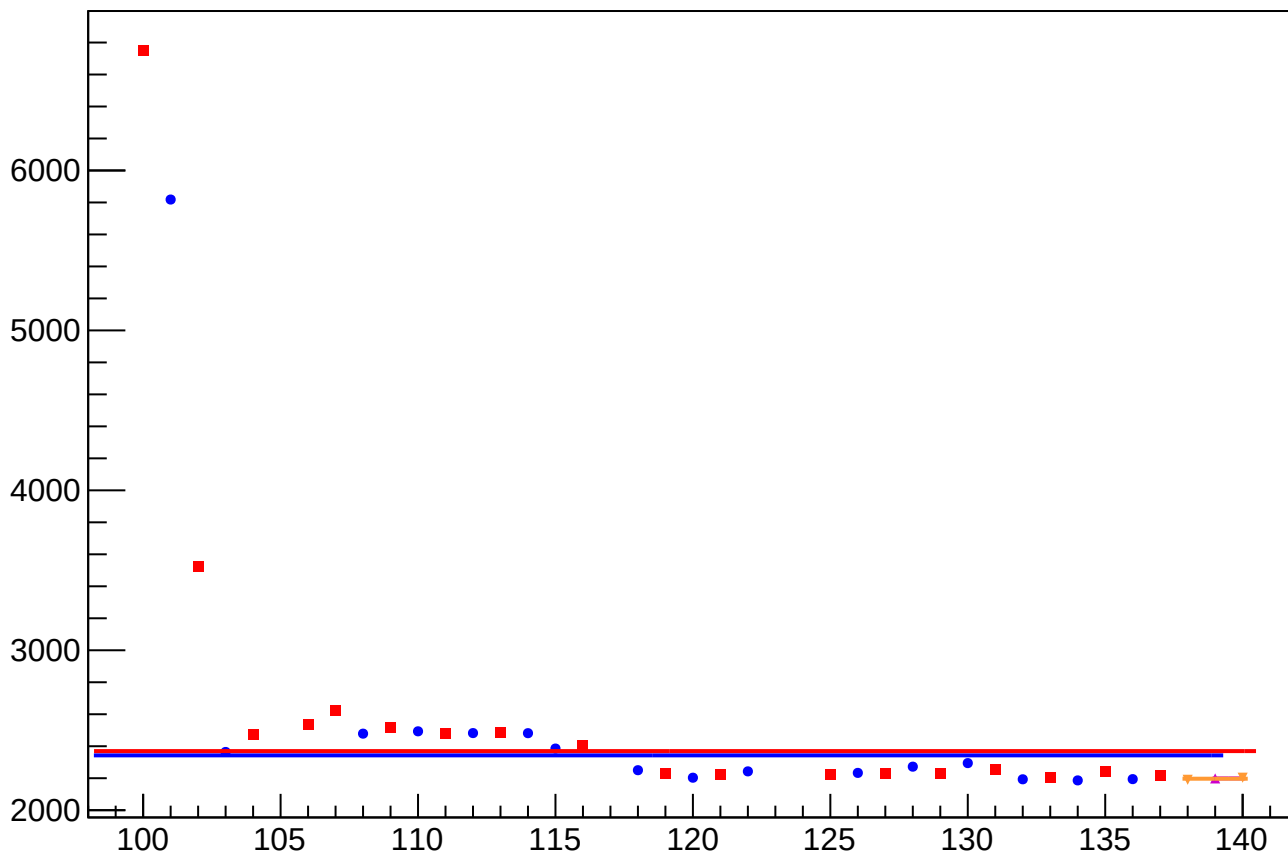
Left In: -6052.029 $\pm$ 2390.984 χ^2 /NDF: 0.0/0

+ sign 4357.788 $\pm$ 788.108 χ^2 /NDF: 13.9/17

All: 301.318 $\pm$ 572.960 χ^2 /NDF: 86.2/36

- sign -4246.256 $\pm$ 834.453 χ^2 /NDF: 16.1/18

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914 $\pm$ 0.627 χ^2 /NDF: 502866.3/15

Left Out: 2196.869 $\pm$ 1.219 χ^2 /NDF: 28.8/1

Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210147.5/17

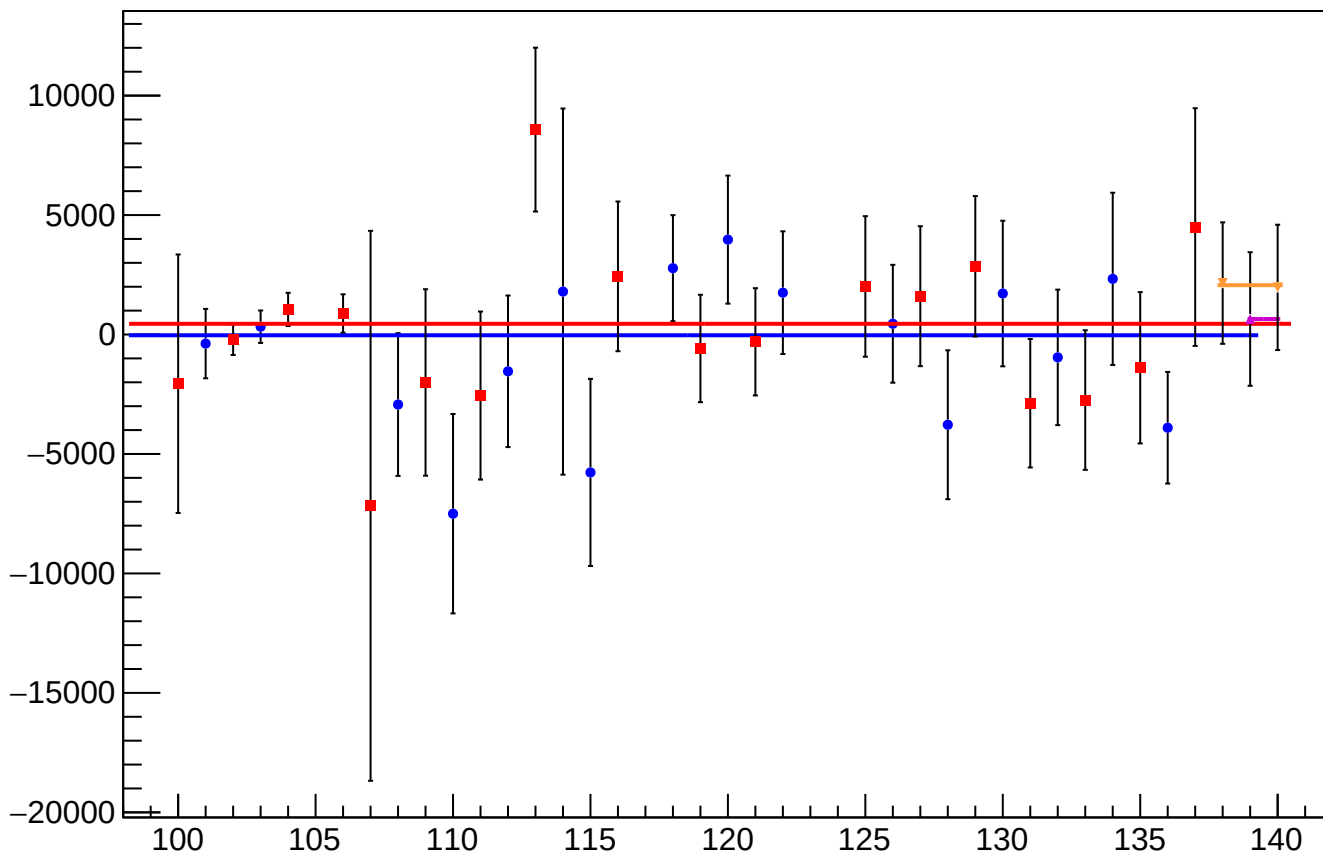
Left In: 2198.742 $\pm$ 1.691 χ^2 /NDF: 0.0/0

+ sign 2312.402 $\pm$ 0.557 χ^2 /NDF: 514246.1/17

All: 2329.546 $\pm$ 0.405 χ^2 /NDF: 735367.0/36

- sign 2348.765 $\pm$ 0.590 χ^2 /NDF: 219113.5/18

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: -31.393 ± 485.329 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 2065.425 ± 1825.373 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 448.261 ± 362.570 $\chi^2/\text{NDF}: 15.1/17$

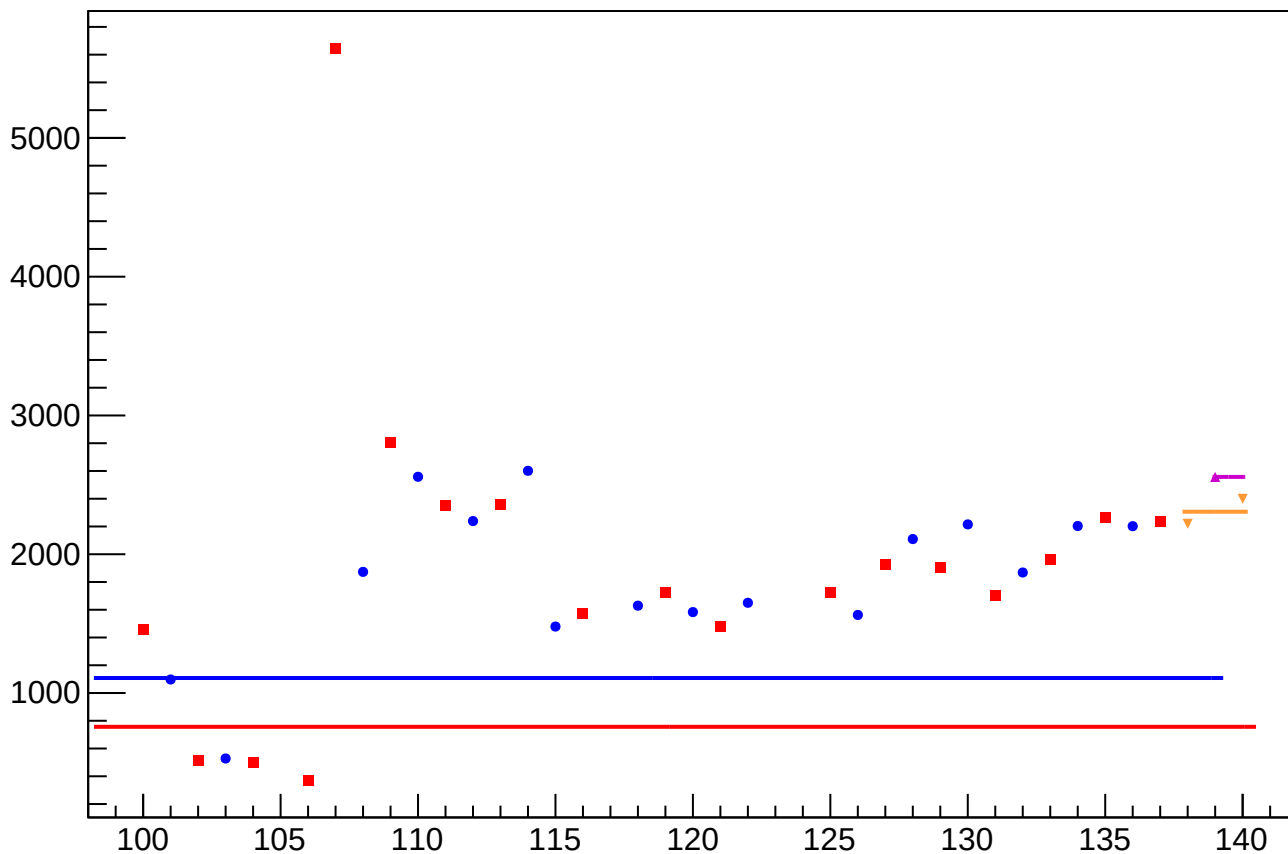
Left In: 649.182 ± 2795.707 $\chi^2/\text{NDF}: 0.0/0$

+ sign 107.048 ± 469.033 $\chi^2/\text{NDF}: 17.6/17$

All: 324.056 ± 285.358 $\chi^2/\text{NDF}: 33.0/36$

- sign 451.585 ± 359.559 $\chi^2/\text{NDF}: 15.1/18$

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: 2306.447+/-1.291 χ^2/NDF : 4846.8/1

Right Out: 756.419+/-0.256 χ^2/NDF : 5603215.5/17

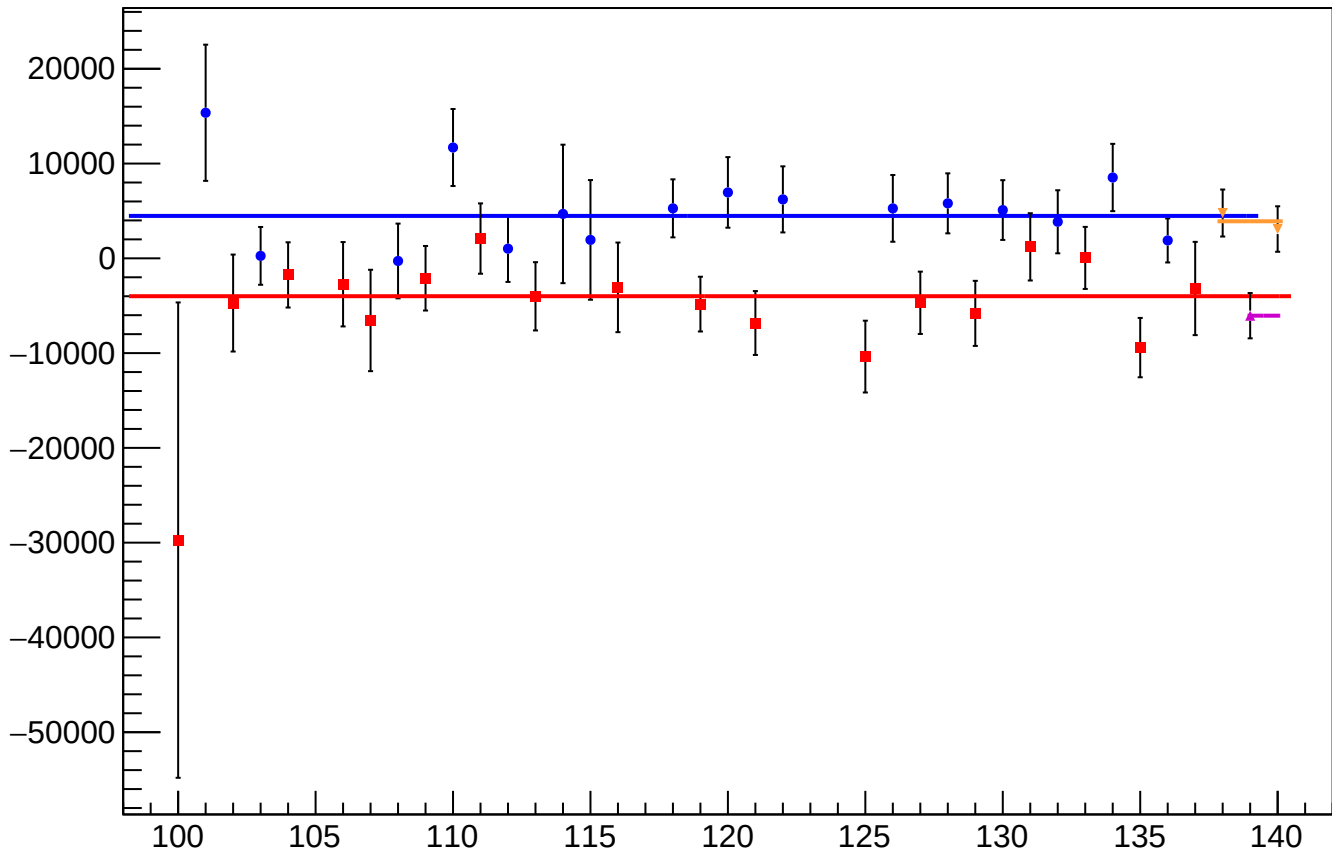
Left In: 2557.241+/-1.977 χ^2/NDF : 0.0/0

+ sign 1187.257+/-0.332 χ^2/NDF : 4556329.9/17

All: 934.653+/-0.202 χ^2/NDF : 11896651.2/30

- sign 786.206+/-0.254 χ^2/NDF : 6419317.9/18

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.427 $\pm$ 886.086 χ^2 /NDF: 13.5/15

Left Out: 3908.552 $\pm$ 1724.224 χ^2 /NDF: 0.2/1

Right Out: -3995.803 $\pm$ 890.441 χ^2 /NDF: 15.5/17

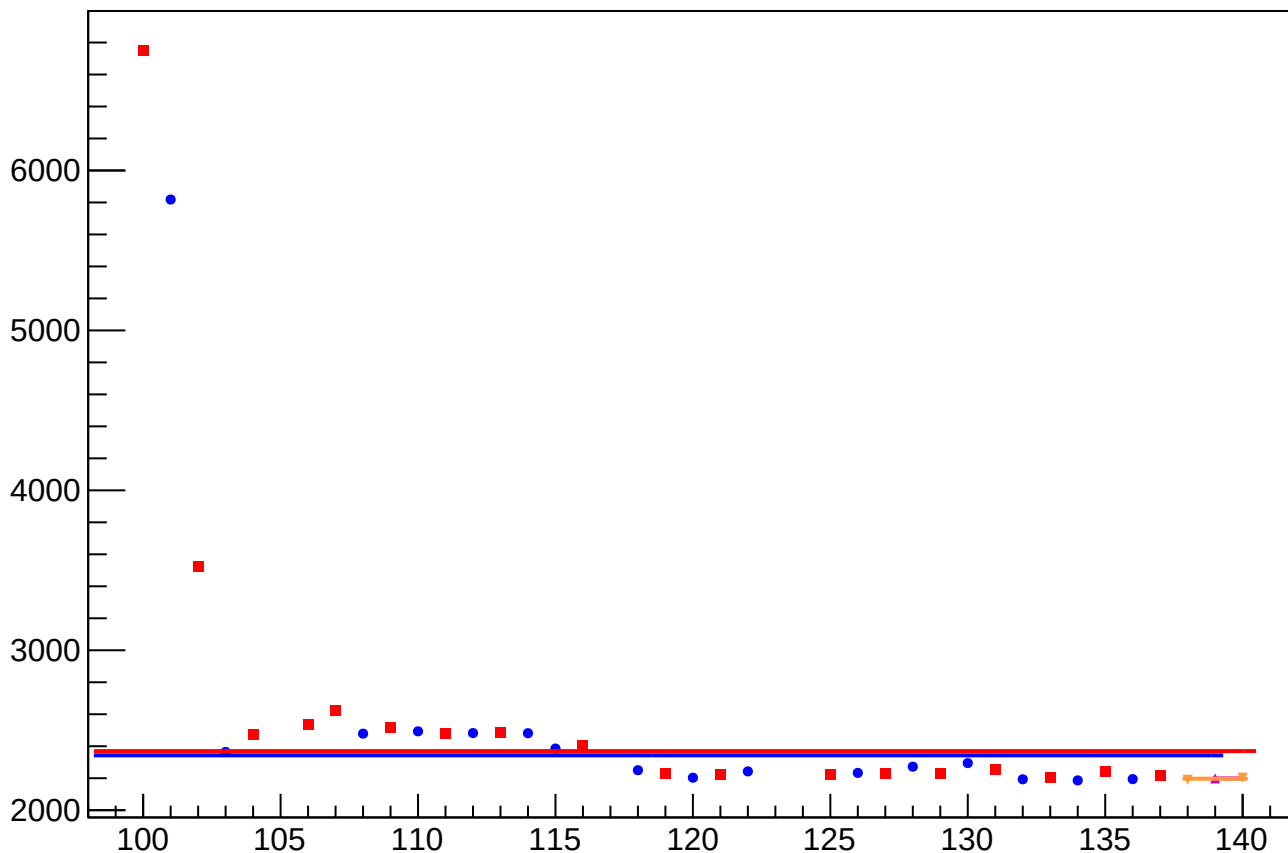
Left In: -6052.028 $\pm$ 2390.984 χ^2 /NDF: 0.0/0

+ sign 4357.785 $\pm$ 788.108 χ^2 /NDF: 13.9/17

All: 301.318 $\pm$ 572.960 χ^2 /NDF: 86.2/36

- sign -4246.253 $\pm$ 834.452 χ^2 /NDF: 16.1/18

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913 $\pm$ 0.627 χ^2 /NDF: 502866.3/15

Left Out: 2196.869 $\pm$ 1.219 χ^2 /NDF: 28.8/1

Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210146.5/17

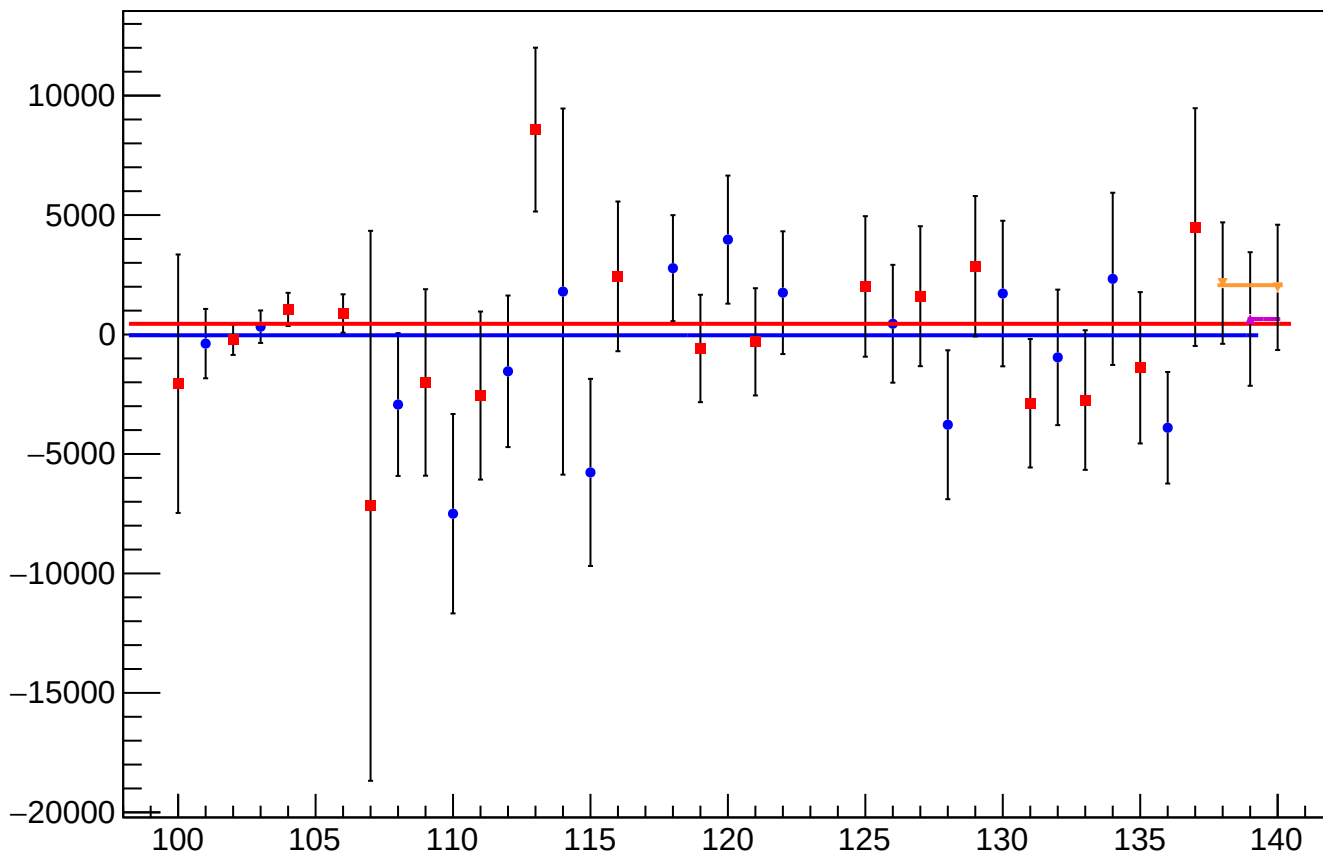
Left In: 2198.742 $\pm$ 1.691 χ^2 /NDF: 0.0/0

+ sign 2312.402 $\pm$ 0.557 χ^2 /NDF: 514246.1/17

All: 2329.545 $\pm$ 0.405 χ^2 /NDF: 735365.8/36

- sign 2348.765 $\pm$ 0.590 χ^2 /NDF: 219112.4/18

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -31.400+/-485.331 χ^2/NDF : 16.3/15

Left Out: 2065.430+/-1825.376 χ^2/NDF : 0.0/1

Right Out: 448.265+/-362.575 χ^2/NDF : 15.1/17

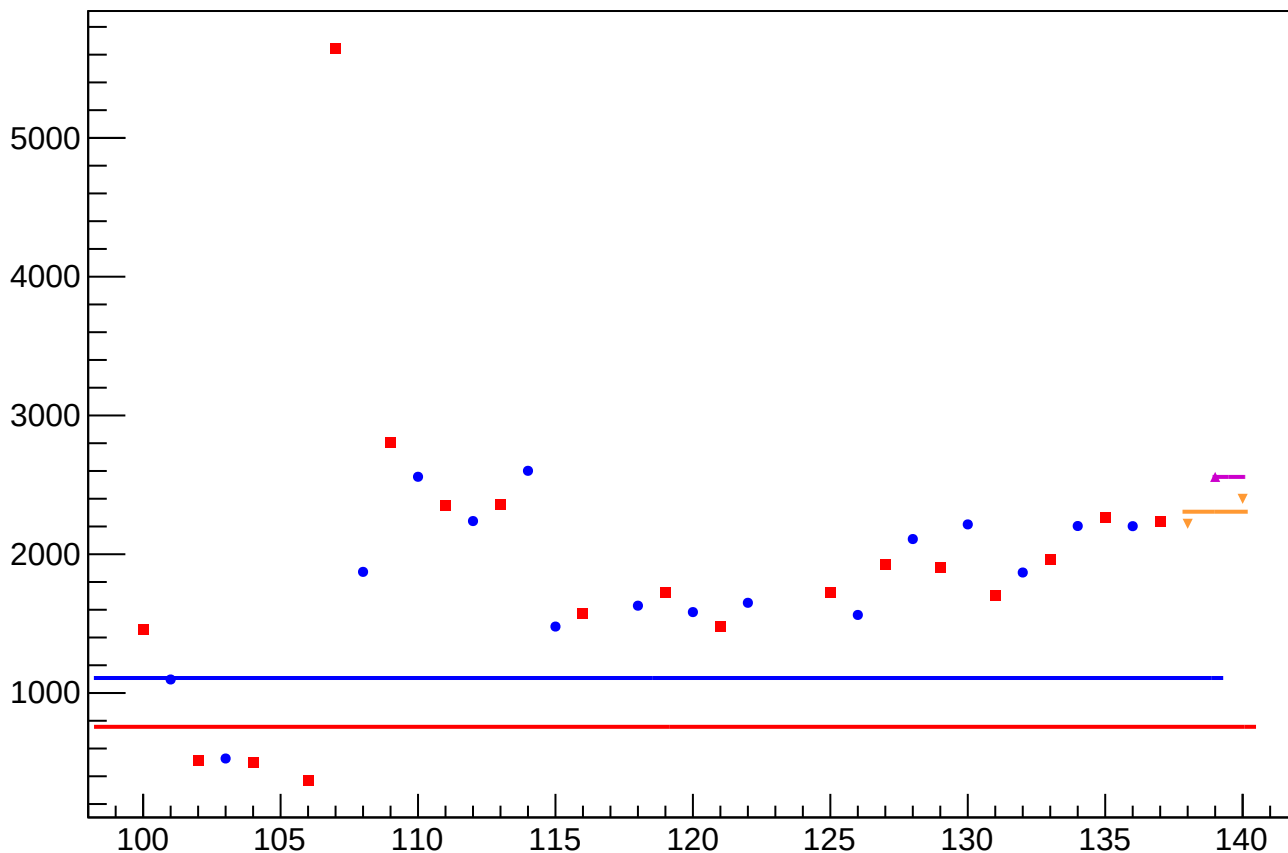
Left In: 649.184+/-2795.712 χ^2/NDF : 0.0/0

+ sign 107.043+/-469.036 χ^2/NDF : 17.6/17

All: 324.055+/-285.361 χ^2/NDF : 33.0/36

- sign 451.588+/-359.564 χ^2/NDF : 15.1/18

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 1108.149+/-0.343 χ^2/NDF : 3746402.0/15

Left Out: 2306.451+/-1.291 χ^2/NDF : 4846.8/1

Right Out: 756.434+/-0.256 χ^2/NDF : 5603097.5/17

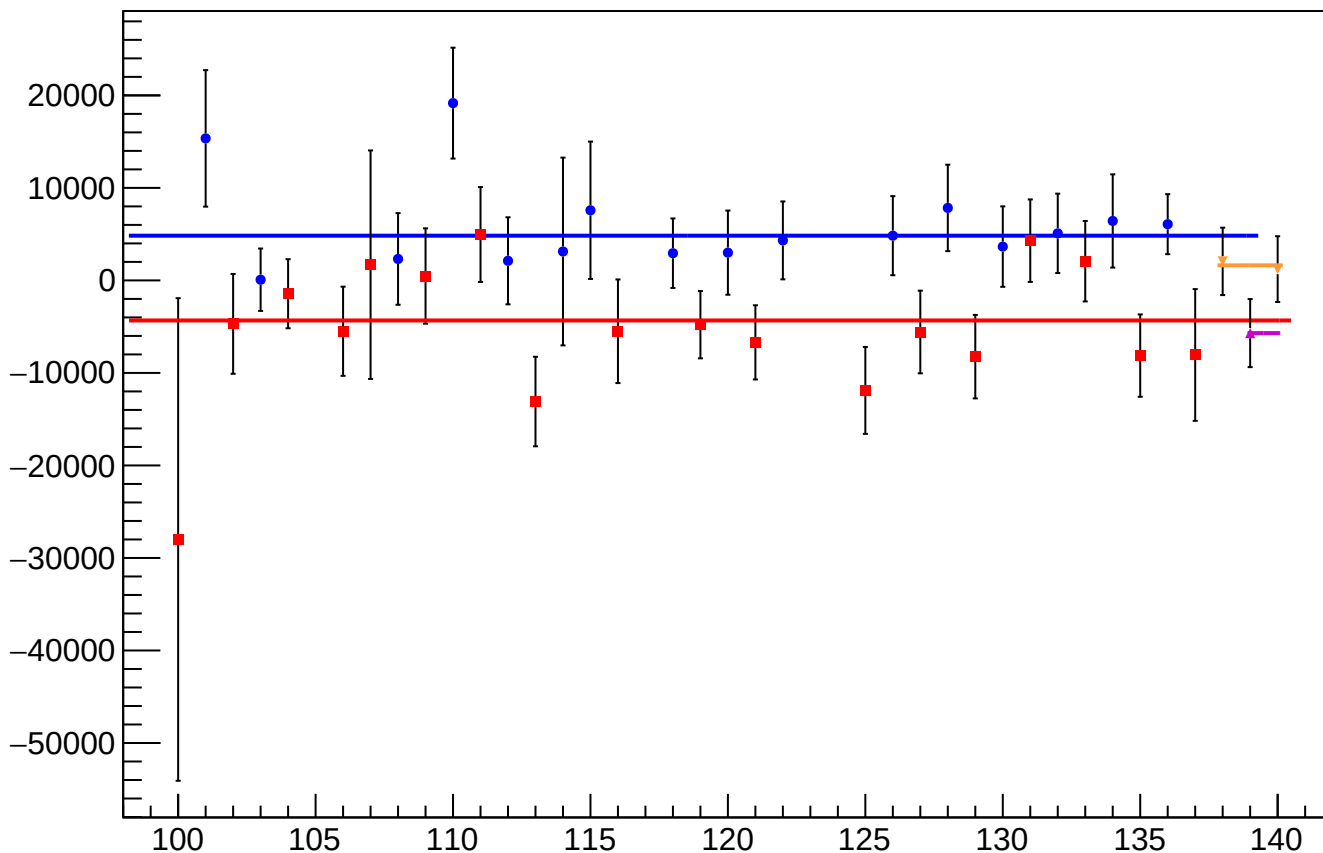
Left In: 2557.246+/-1.977 χ^2/NDF : 0.0/0

+ sign 1187.267+/-0.332 χ^2/NDF : 4556243.6/17

All: 934.668+/-0.202 χ^2/NDF : 11896393.6/30

- sign 786.222+/-0.254 χ^2/NDF : 6419187.1/18

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF : 11.7/15

Left Out: 1627.964+/-2544.424 χ^2/NDF : 0.0/1

Right Out: -4328.601+/-1144.541 χ^2/NDF : 19.9/17

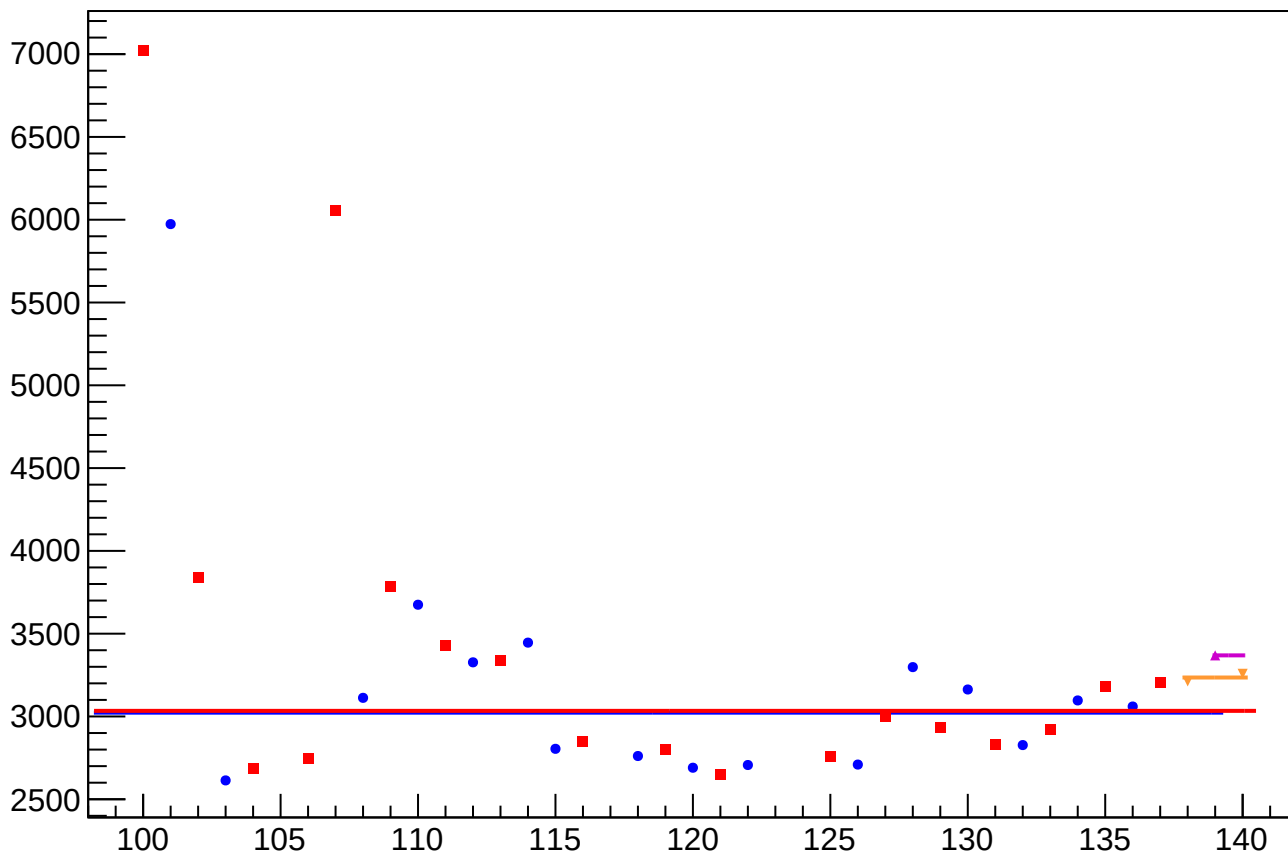
Left In: -5694.816+/-3677.815 χ^2/NDF : 0.0/0

+ sign 4295.870+/-1042.278 χ^2/NDF : 13.0/17

All: 130.318+/-754.245 χ^2/NDF : 66.6/36

- sign -4449.231+/-1092.845 χ^2/NDF : 20.0/18

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF : 443705.8/15

Left Out: 3235.242+/-1.799 χ^2/NDF :162.2/1

+ sign 3058.671+/-0.737 χ^2/NDF : 455441.5/17

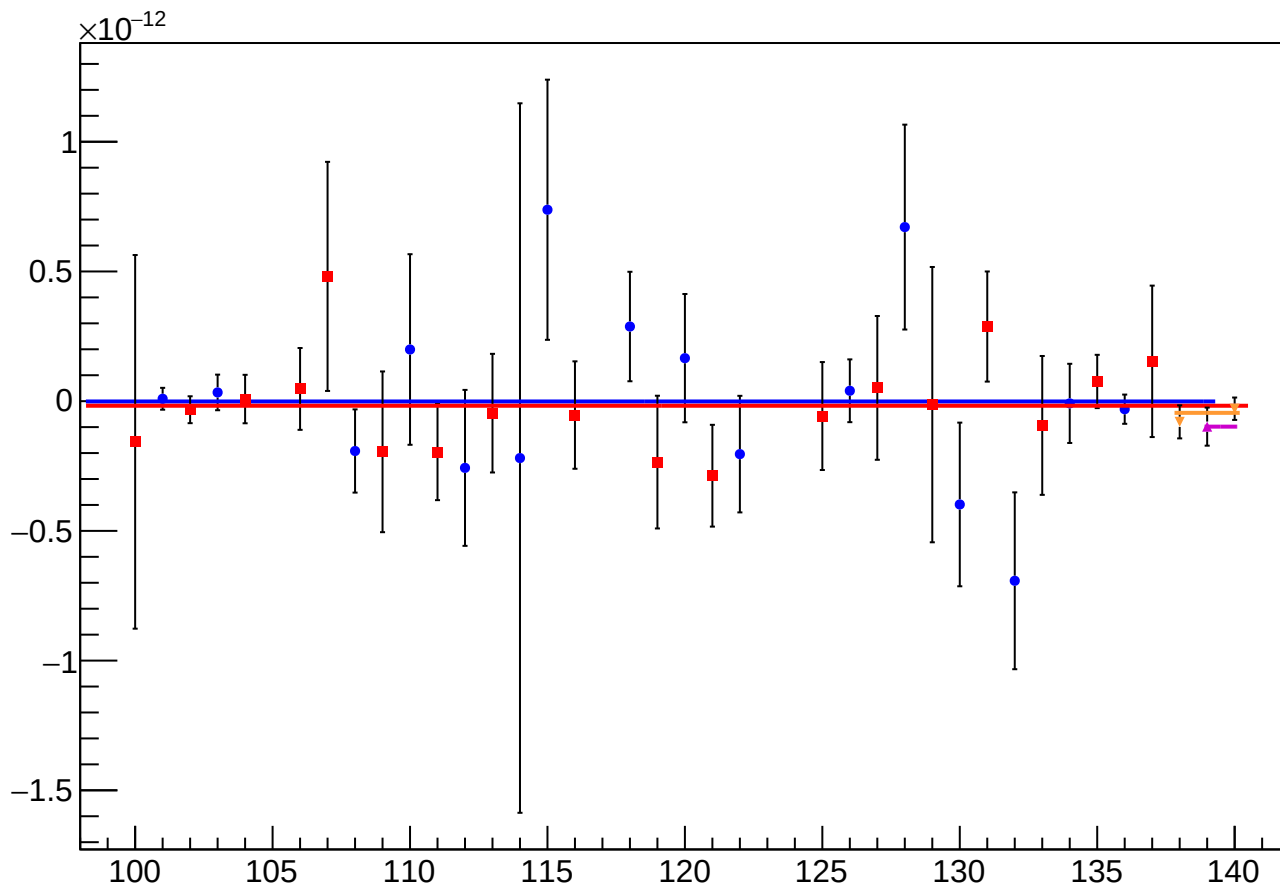
Right Out: 3033.869+/-0.809 χ^2/NDF : 342674.7/17

All: 3060.951+/-0.533 χ^2/NDF : 813274.9/36

- sign 3063.457+/-0.773 χ^2/NDF : 357813.3/18

Left In: 3368.981+/-2.601 χ^2/NDF :0.0/0

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF : 9.0/17

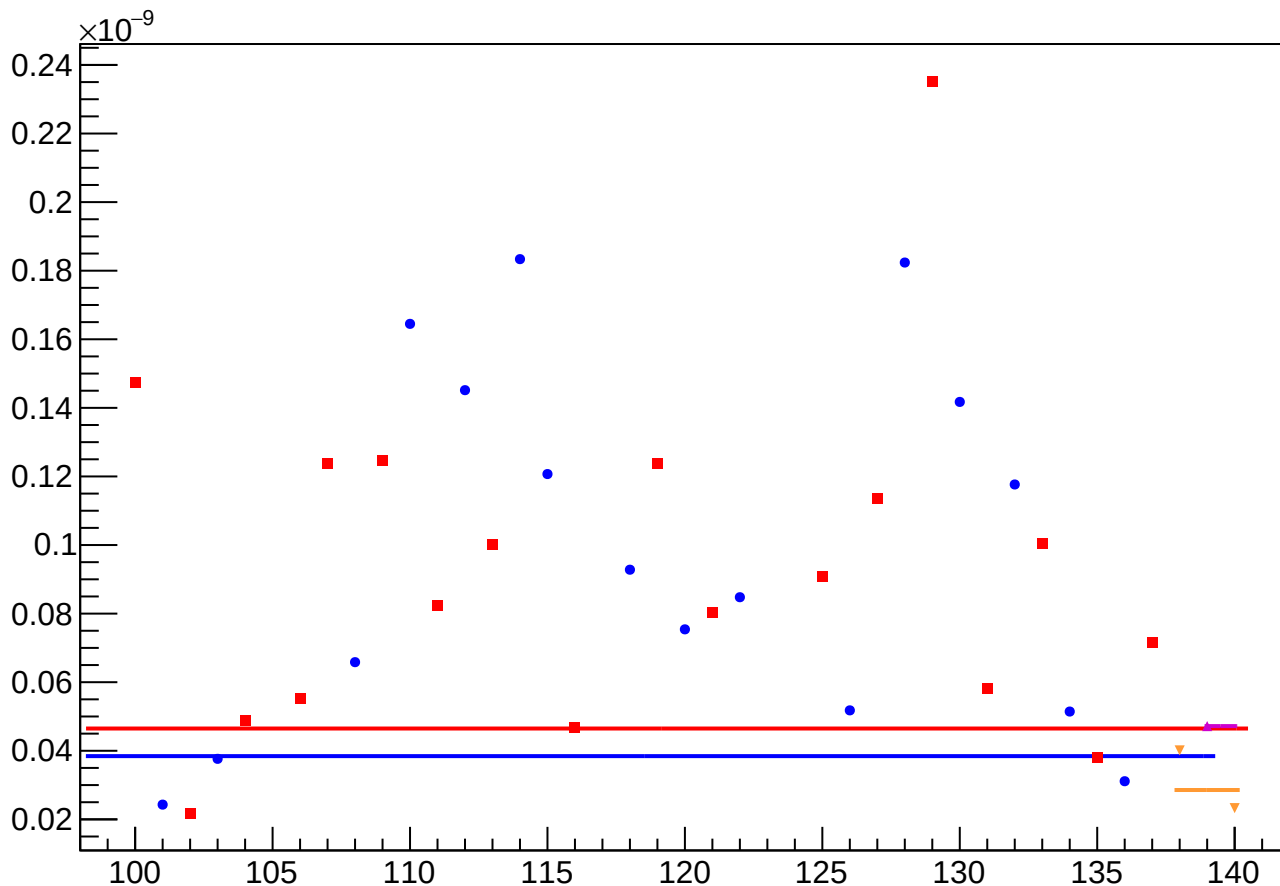
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 18.5/17

All: -0.000+/-0.000 χ^2/NDF : 28.6/36

- sign -0.000+/-0.000 χ^2/NDF : 10.0/18

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 95644.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1697135.5/17

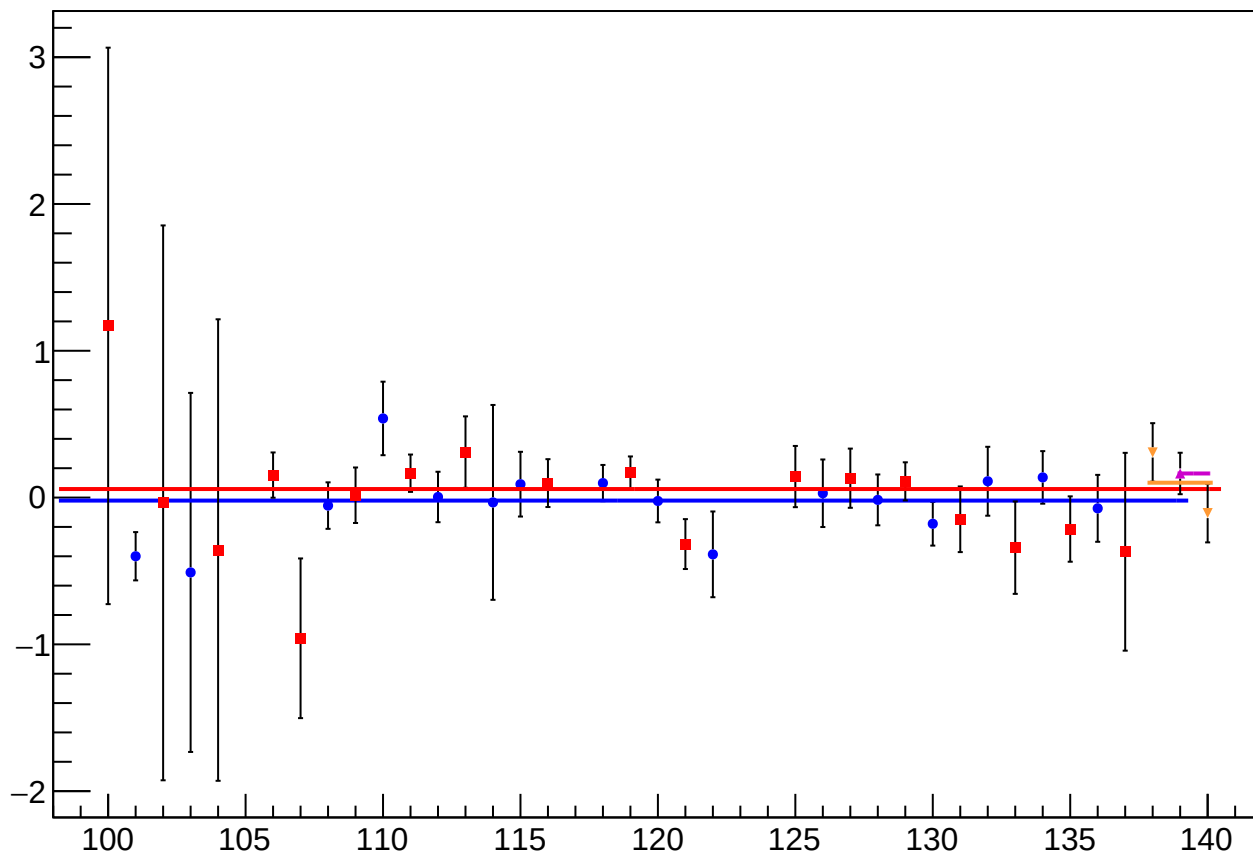
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1963785.1/17

All: 0.000+/-0.000 χ^2/NDF : 3854212.4/36

- sign 0.000+/-0.000 χ^2/NDF : 1697287.5/18

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.101 ± 0.141 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

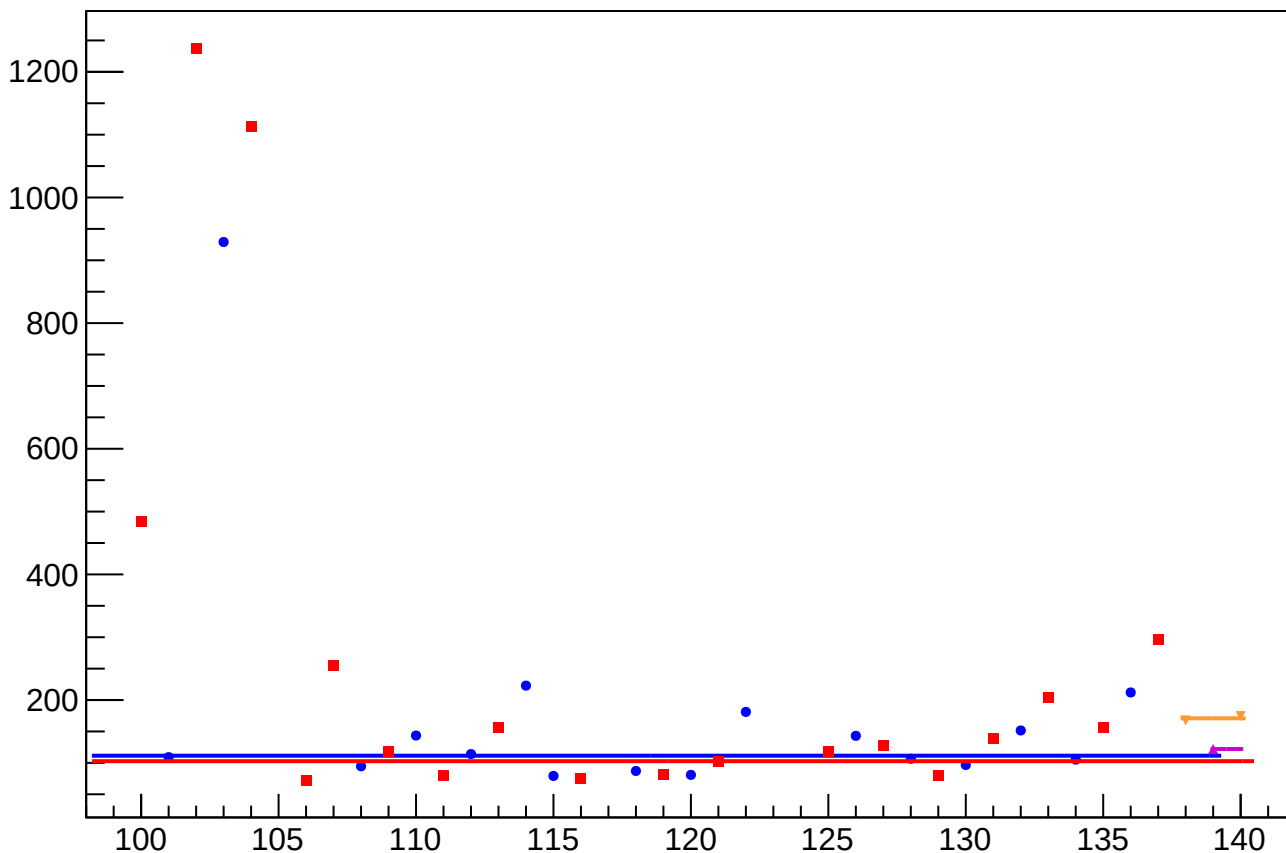
Left In: 0.164 ± 0.141 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.045 $\chi^2/\text{NDF}: 18.4/17$

All: 0.031 ± 0.032 $\chi^2/\text{NDF}: 37.3/36$

- sign 0.068 ± 0.044 $\chi^2/\text{NDF}: 17.3/18$

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 111.407 $\pm$ 0.034 χ^2 /NDF: 1839361.2/15

Left Out: 170.917 $\pm$ 0.100 χ^2 /NDF:1188.9/1

Right Out: 102.673 $\pm$ 0.033 χ^2 /NDF: 2826852.7/17

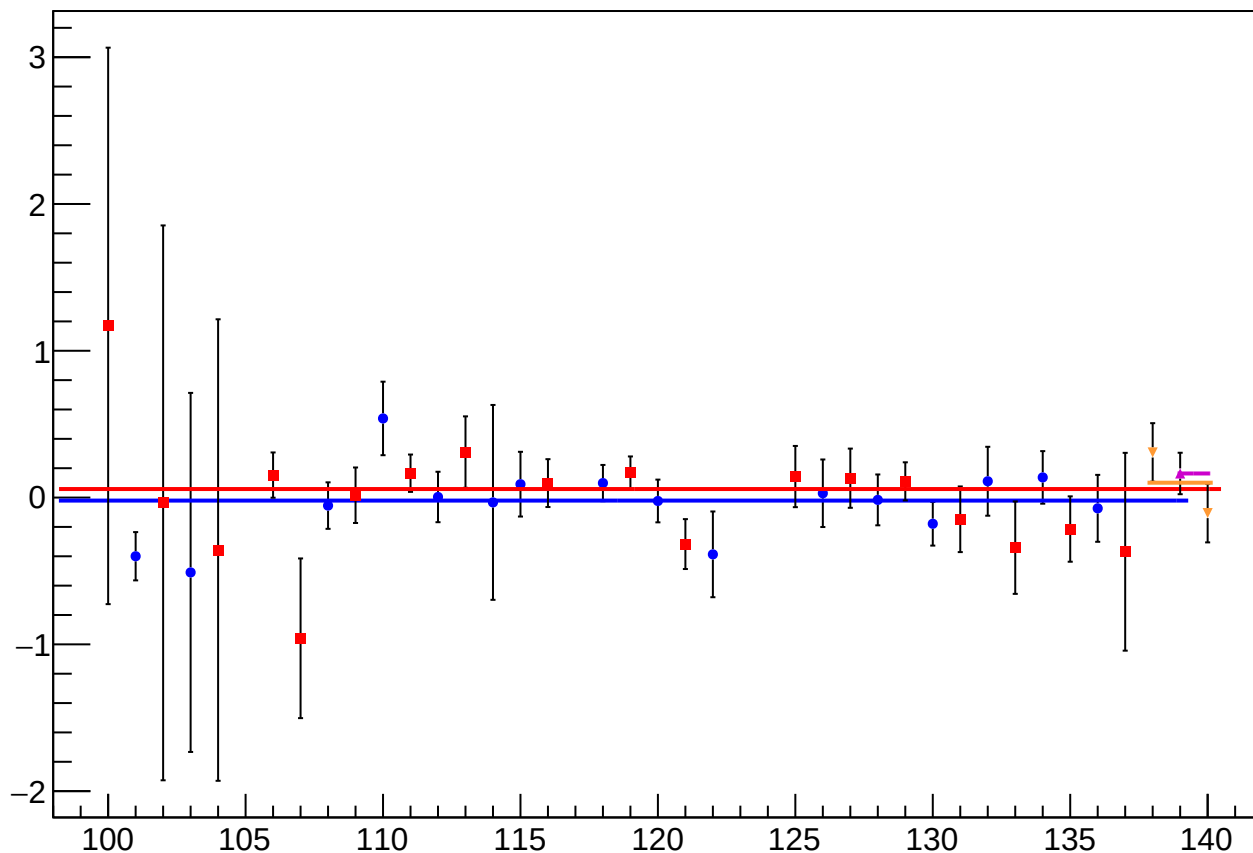
Left In: 122.060 $\pm$ 0.100 χ^2 /NDF:0.0/0

+ sign 117.493 $\pm$ 0.032 χ^2 /NDF: 2159902.9/17

All: 110.877 $\pm$ 0.022 χ^2 /NDF: 5104812.6/36

- sign 104.563 $\pm$ 0.031 χ^2 /NDF: 2860889.3/18

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.101 ± 0.141 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

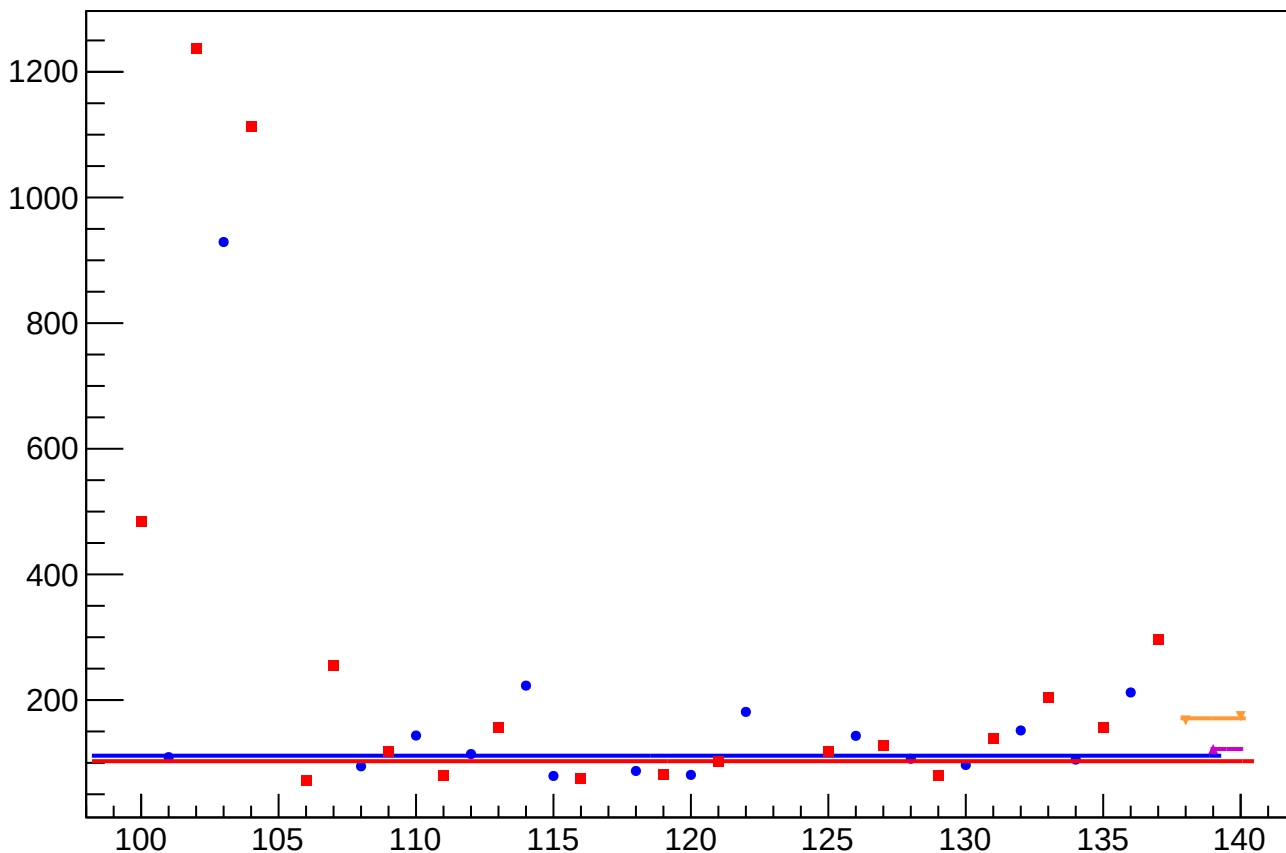
Left In: 0.164 ± 0.141 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.045 $\chi^2/\text{NDF}: 18.4/17$

All: 0.031 ± 0.032 $\chi^2/\text{NDF}: 37.3/36$

- sign 0.068 ± 0.044 $\chi^2/\text{NDF}: 17.3/18$

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.407 $\pm$ 0.034 χ^2 /NDF: 1839361.2/15

Left Out: 170.917 $\pm$ 0.100 χ^2 /NDF:1188.9/1

Right Out: 102.673 $\pm$ 0.033 χ^2 /NDF: 2826852.7/17

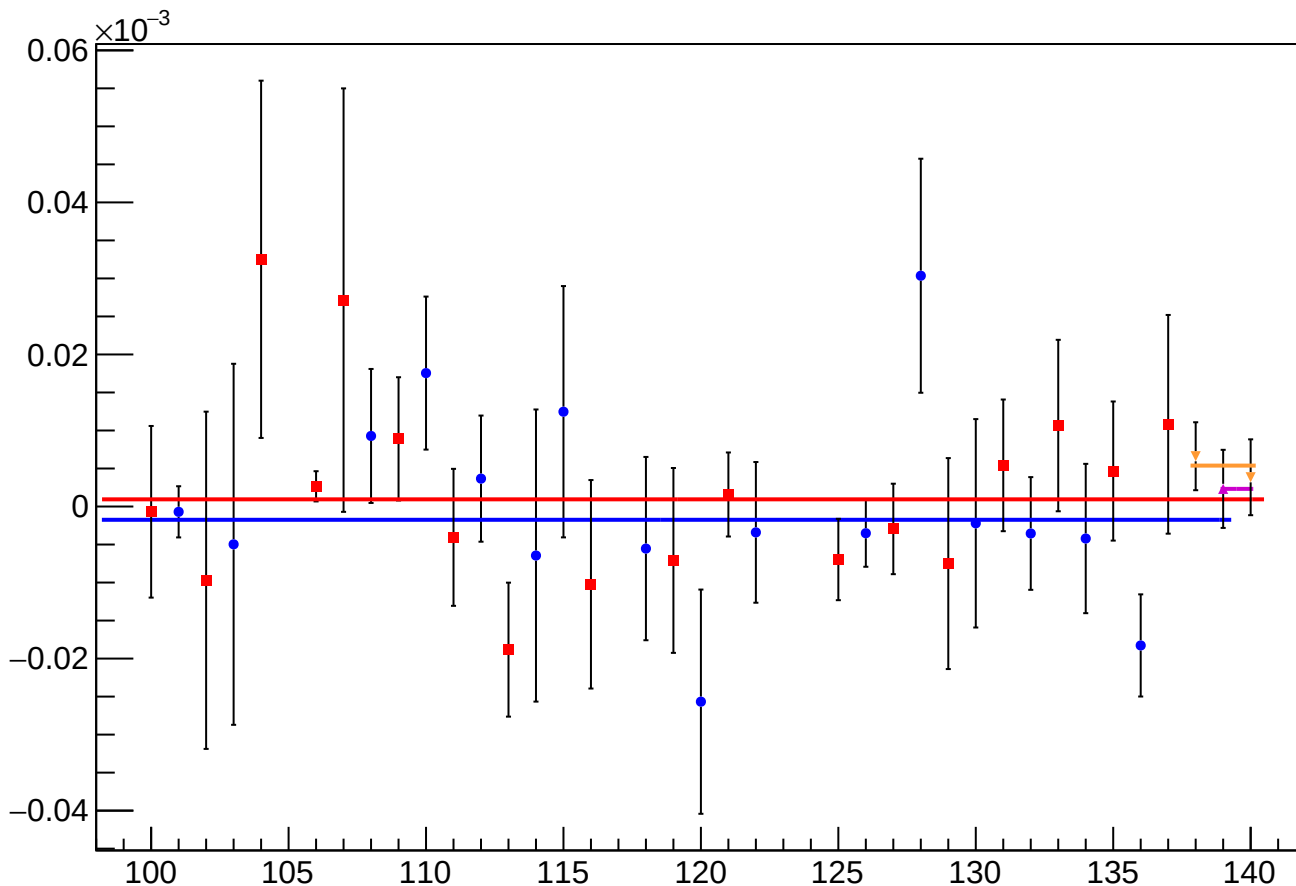
Left In: 122.060 $\pm$ 0.100 χ^2 /NDF:0.0/0

+ sign 117.493 $\pm$ 0.032 χ^2 /NDF: 2159902.9/17

All: 110.877 $\pm$ 0.022 χ^2 /NDF: 5104812.6/36

- sign 104.563 $\pm$ 0.031 χ^2 /NDF: 2860889.3/18

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 15.7/17

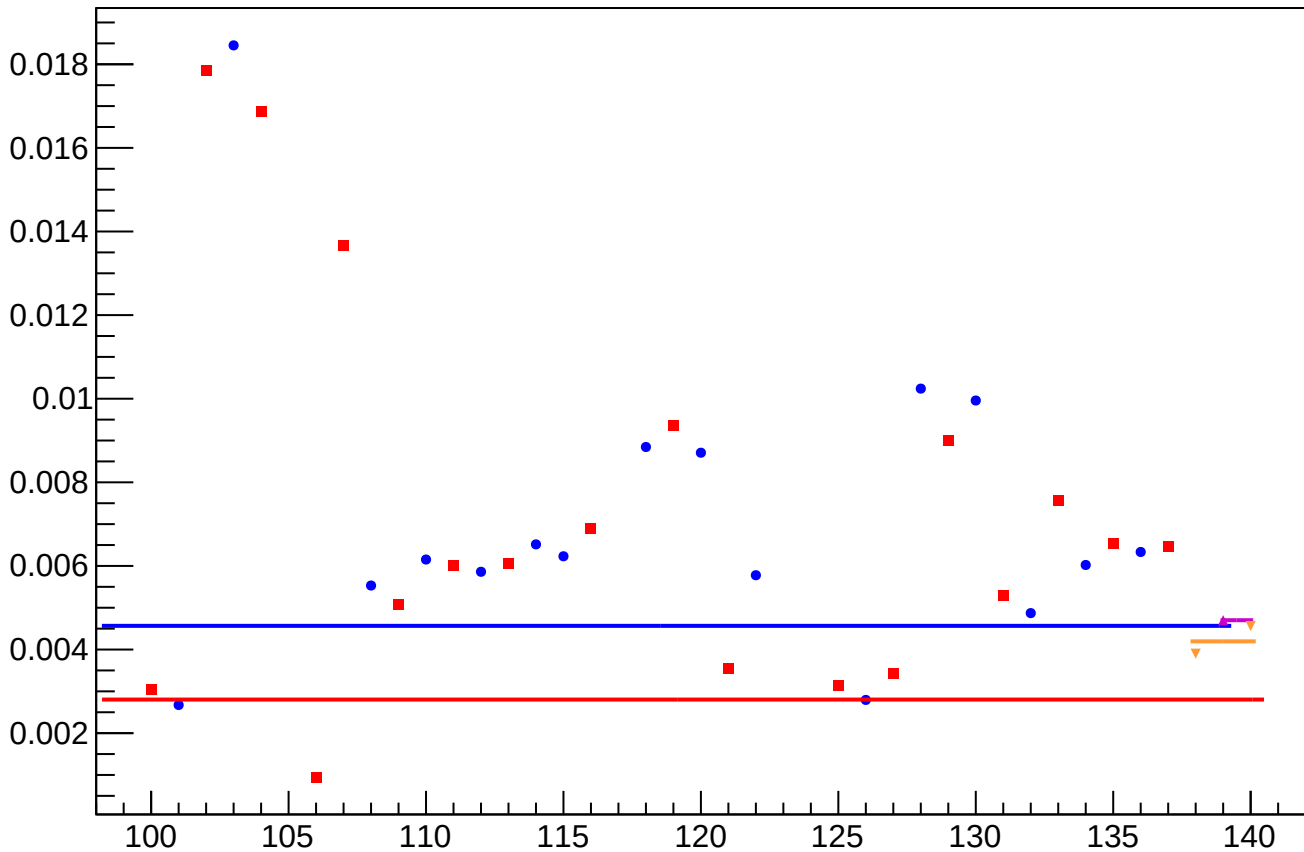
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 23.6/17

All: 0.000+/-0.000 χ^2/NDF : 39.6/36

- sign 0.000+/-0.000 χ^2/NDF : 15.8/18

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF :19539.5/1

Right Out: 0.003+/-0.000 χ^2/NDF : 6610011.8/17

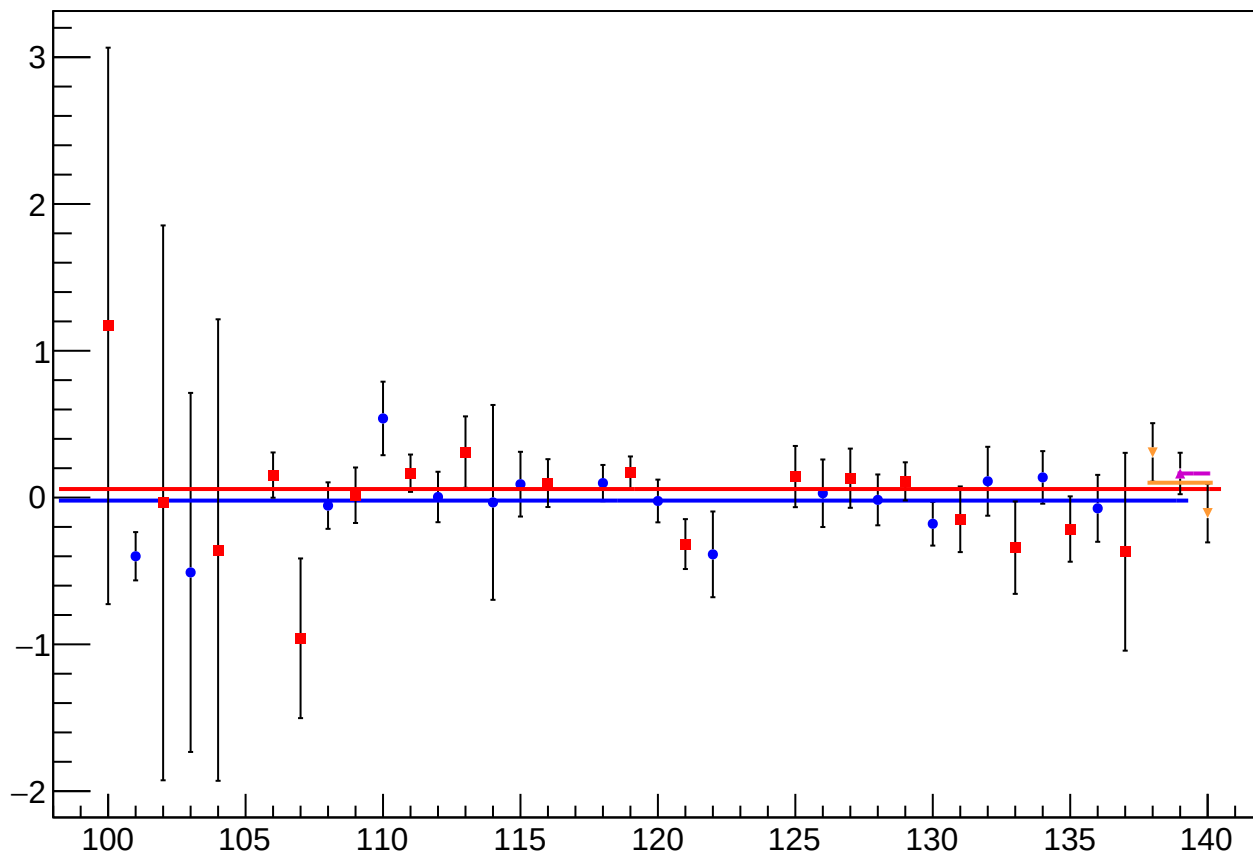
Left In: 0.005+/-0.000 χ^2/NDF :0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 3050404.6/17

All: 0.004+/-0.000 χ^2/NDF : 10880296.2/36

- sign 0.003+/-0.000 χ^2/NDF : 6862246.6/18

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.101 ± 0.141 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

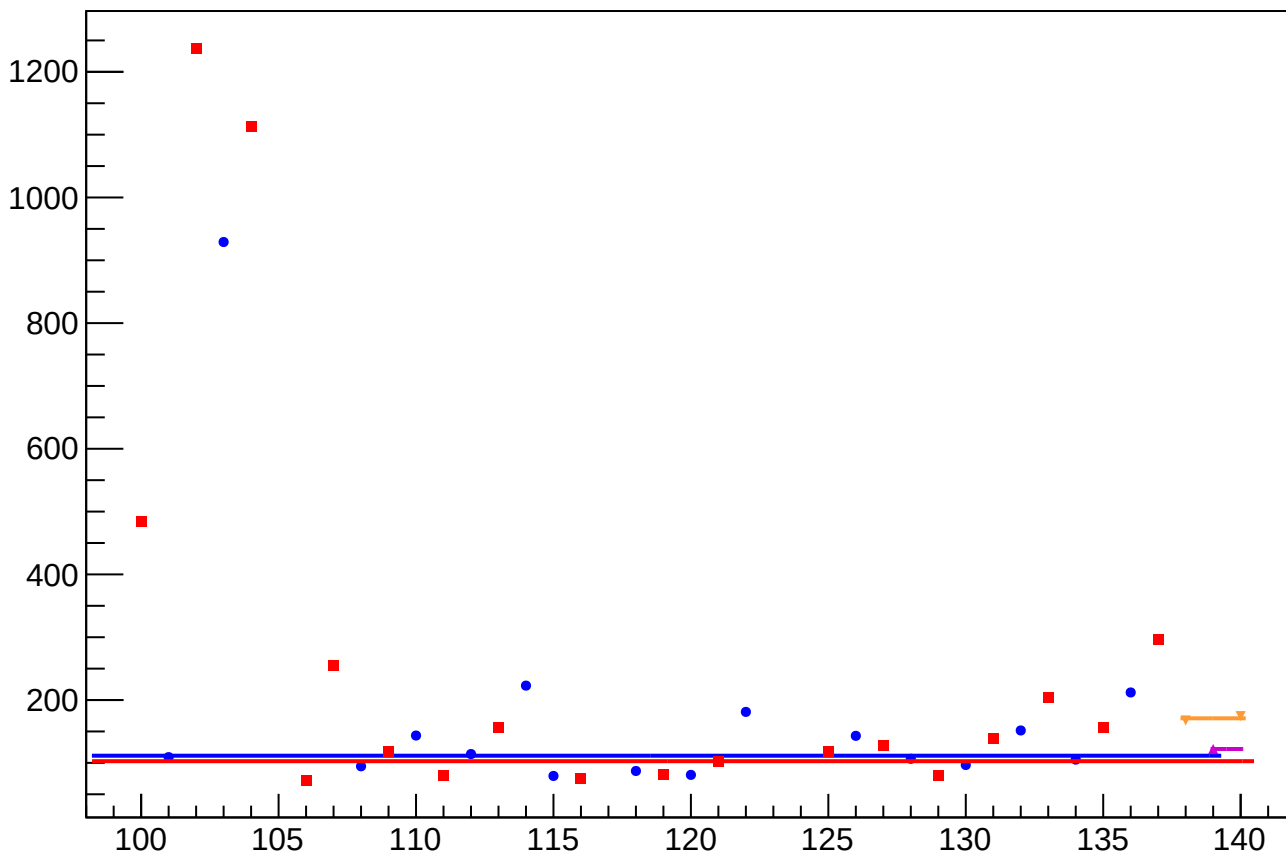
Left In: 0.164 ± 0.141 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.045 $\chi^2/\text{NDF}: 18.4/17$

All: 0.031 ± 0.032 $\chi^2/\text{NDF}: 37.3/36$

- sign 0.068 ± 0.044 $\chi^2/\text{NDF}: 17.3/18$

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 111.404+/-0.034 χ^2/NDF : 1839407.3/15

Left Out: 170.917+/-0.100 χ^2/NDF :1188.4/1

Right Out: 102.671+/-0.033 χ^2/NDF : 2826848.2/17

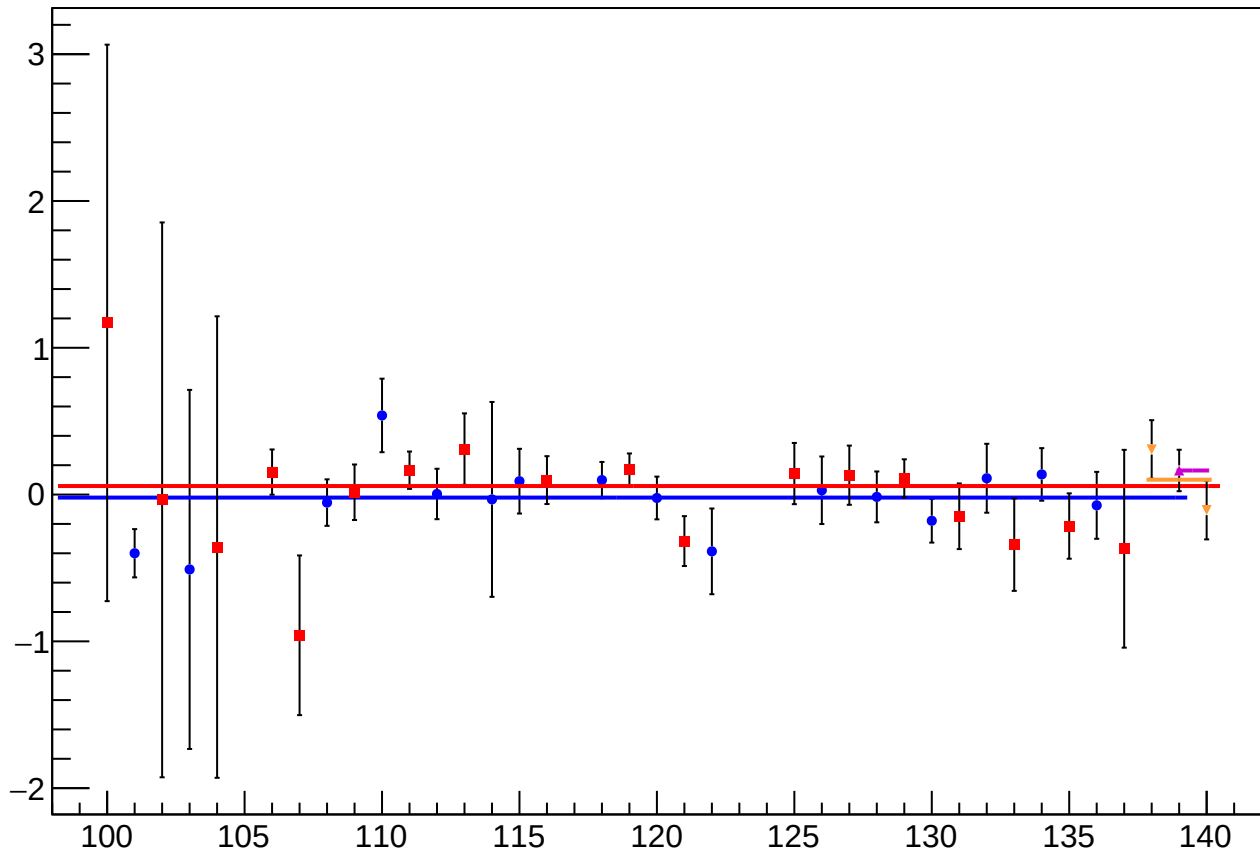
Left In: 122.061+/-0.100 χ^2/NDF :0.0/0

+ sign 117.490+/-0.032 χ^2/NDF : 2159977.4/17

All: 110.875+/-0.022 χ^2/NDF : 5104878.6/36

- sign 104.562+/-0.031 χ^2/NDF : 2860894.4/18

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.101 ± 0.141 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

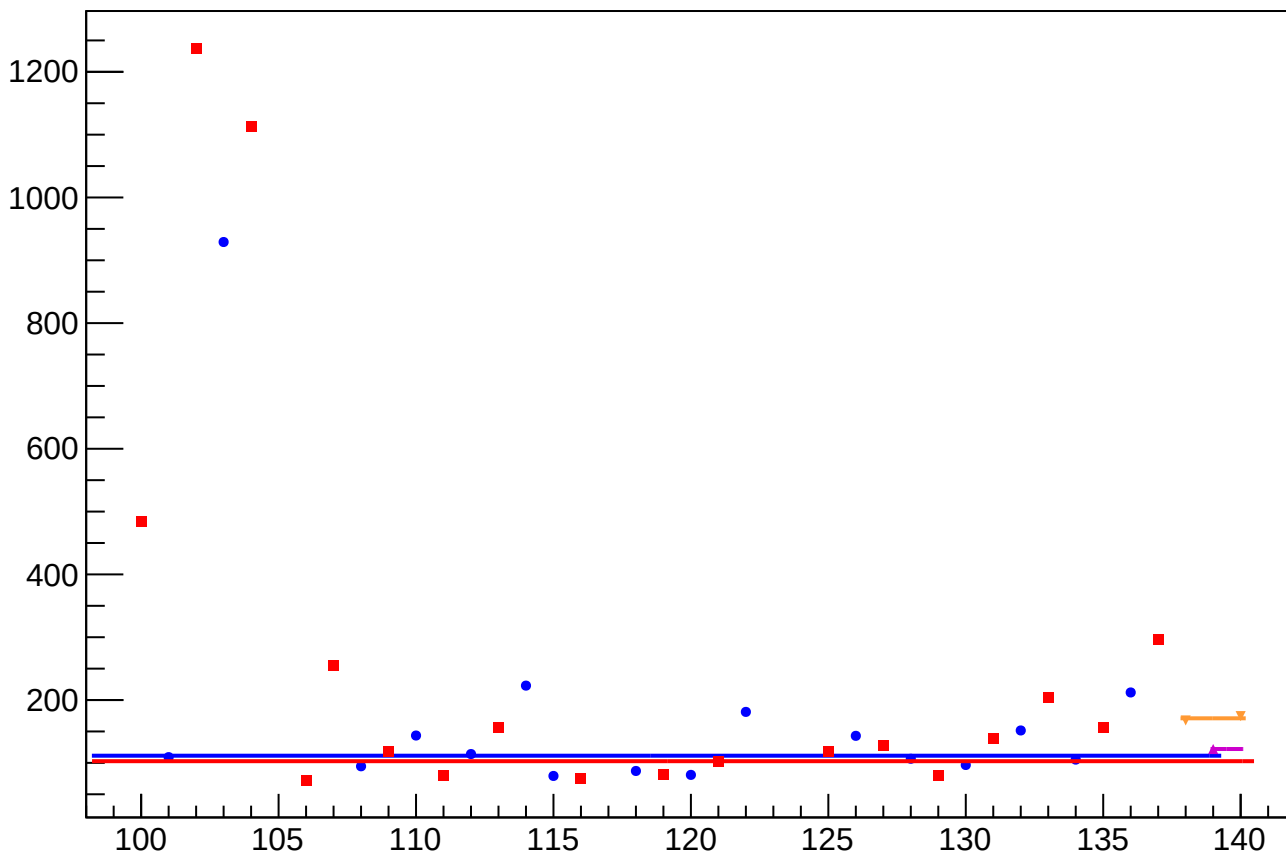
Left In: 0.164 ± 0.141 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.008 ± 0.045 $\chi^2/\text{NDF}: 18.4/17$

All: 0.031 ± 0.032 $\chi^2/\text{NDF}: 37.3/36$

- sign 0.068 ± 0.044 $\chi^2/\text{NDF}: 17.3/18$

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.404 $\pm$ 0.034 χ^2 /NDF: 1839407.3/15

Left Out: 170.917 $\pm$ 0.100 χ^2 /NDF:1188.4/1

Right Out: 102.671 $\pm$ 0.033 χ^2 /NDF: 2826848.2/17

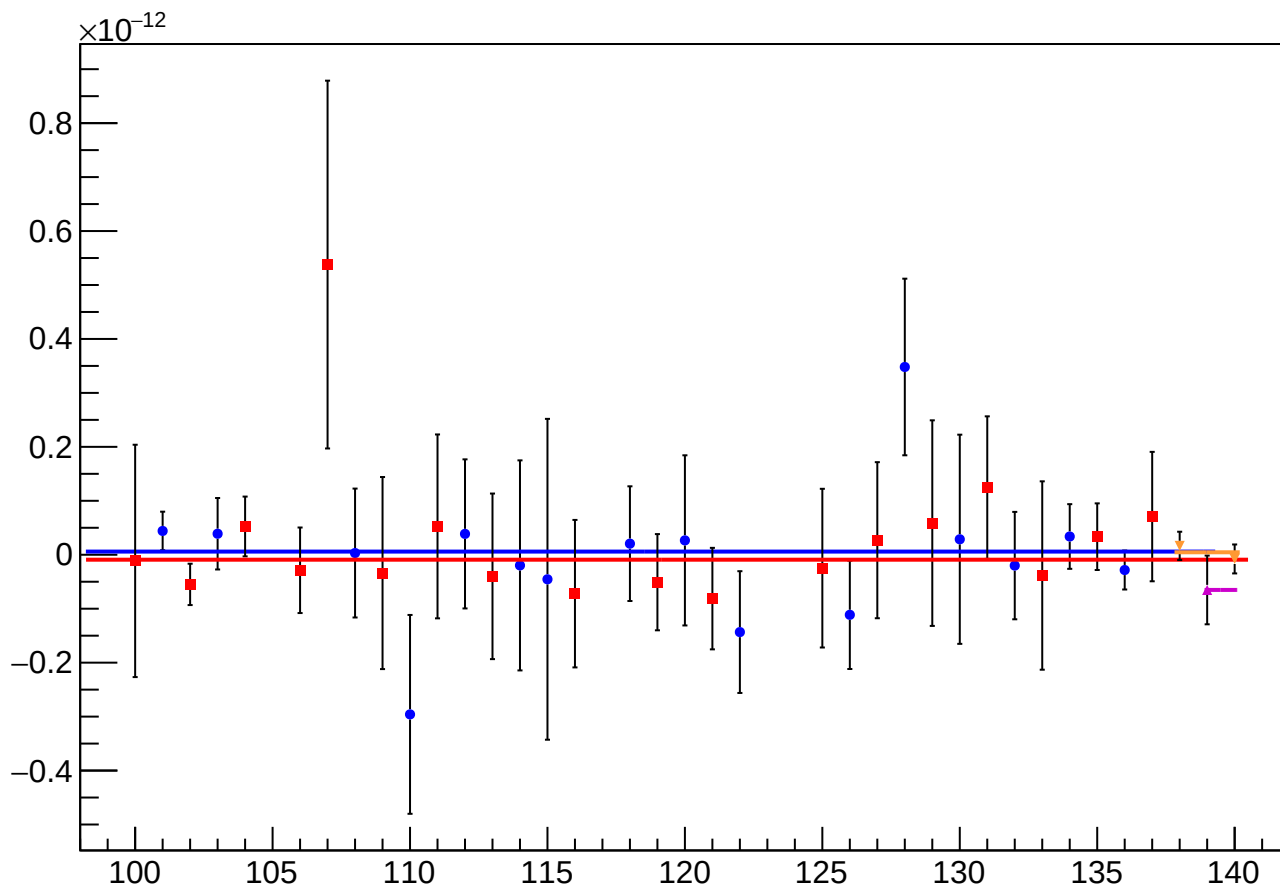
Left In: 122.061 $\pm$ 0.100 χ^2 /NDF:0.0/0

+ sign 117.490 $\pm$ 0.032 χ^2 /NDF: 2159977.4/17

All: 110.875 $\pm$ 0.022 χ^2 /NDF: 5104878.6/36

- sign 104.562 $\pm$ 0.031 χ^2 /NDF: 2860894.4/18

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.7/17

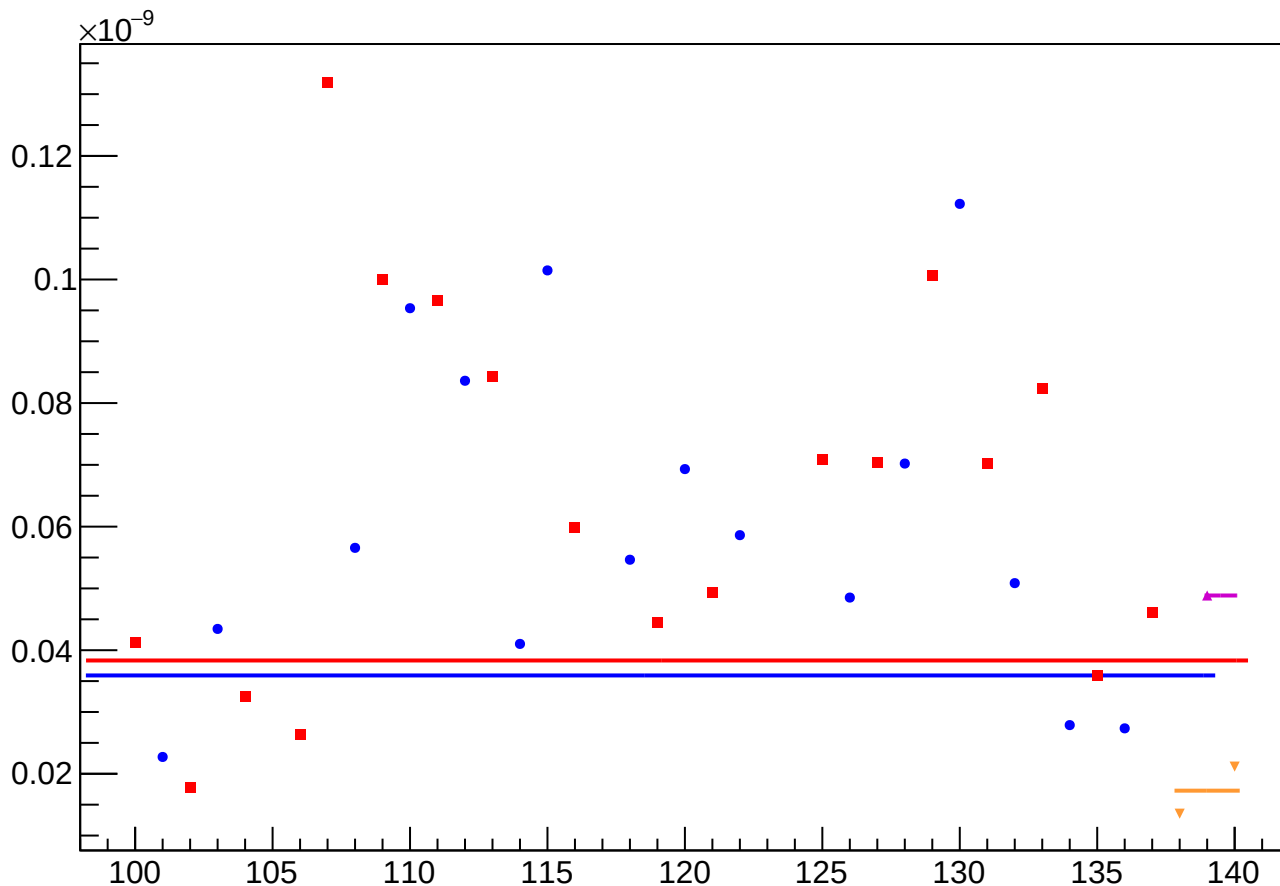
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.3/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/18

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 82363.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2202319.8/17

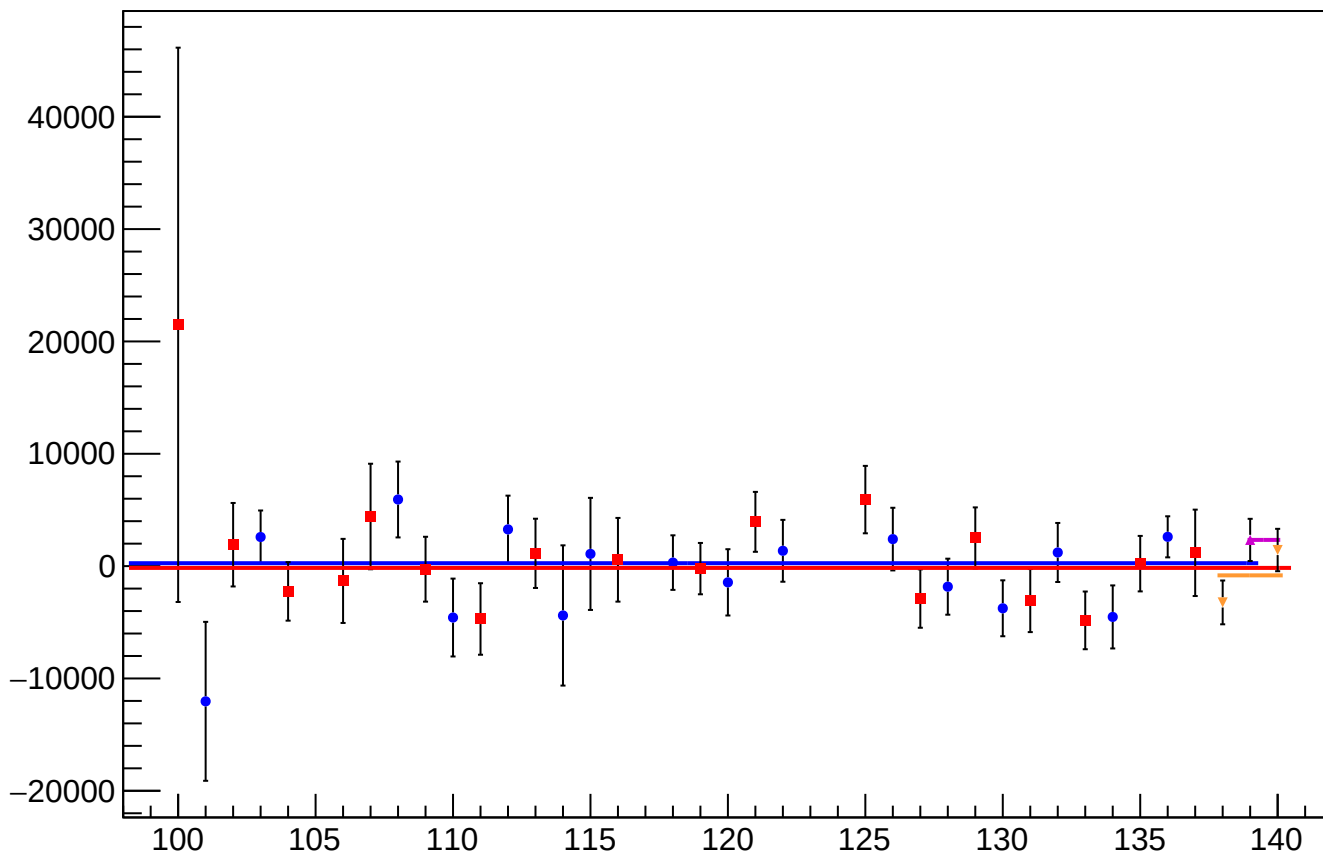
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2807304.3/17

All: 0.000+/-0.000 χ^2/NDF : 5626101.2/36

- sign 0.000+/-0.000 χ^2/NDF : 2251194.7/18

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502 $\pm$ 709.700 χ^2 /NDF: 19.4/15

Left Out: -823.021 $\pm$ 1355.477 χ^2 /NDF:3.0/1

Right Out: -159.330 $\pm$ 712.314 χ^2 /NDF: 18.1/17

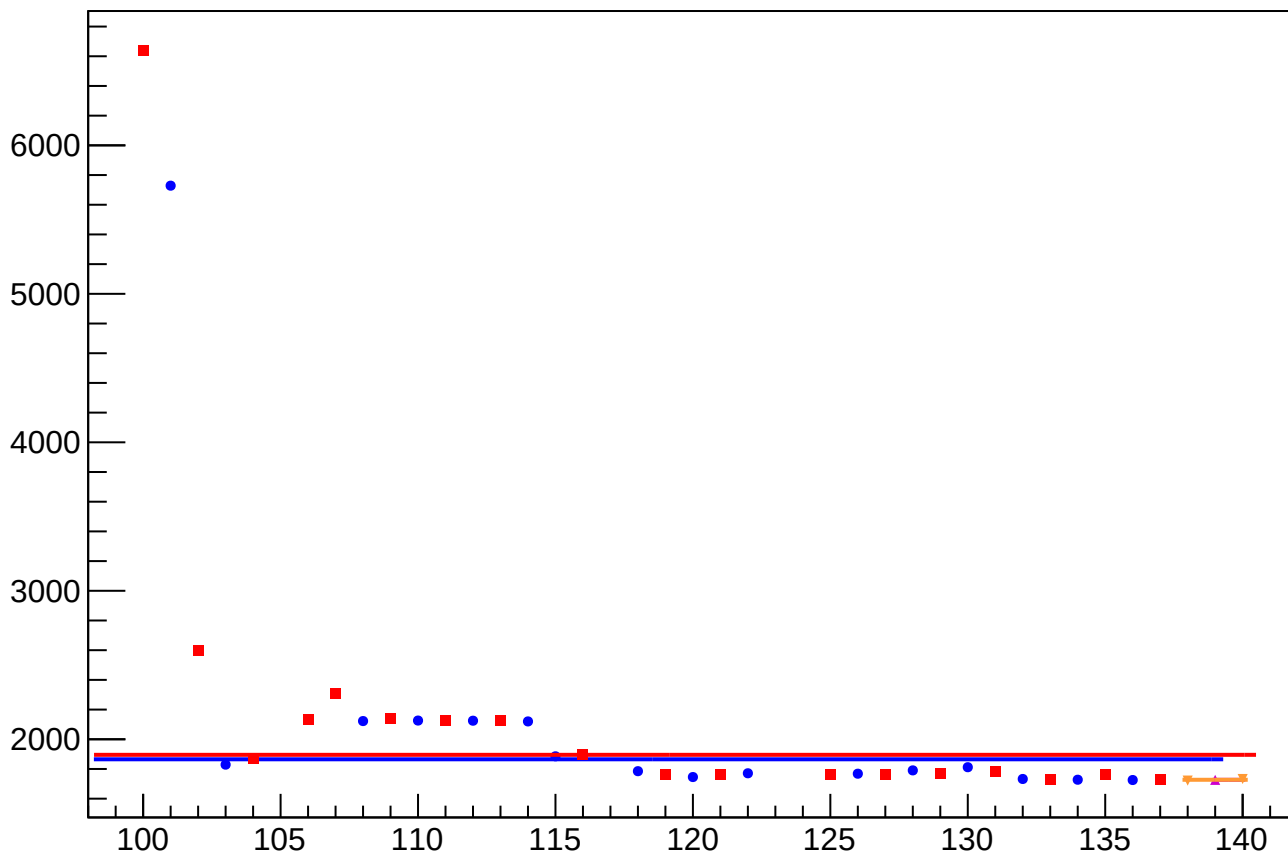
Left In: 2333.228 $\pm$ 1876.783 χ^2 /NDF:0.0/0

+ sign 26.593 $\pm$ 628.734 χ^2 /NDF: 22.9/17

All: 86.879 $\pm$ 457.176 χ^2 /NDF: 42.5/36

- sign 154.515 $\pm$ 665.961 χ^2 /NDF: 19.6/18

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF : 30.8/1

Right Out: 1895.250+/-0.504 χ^2/NDF : 250806.5/17

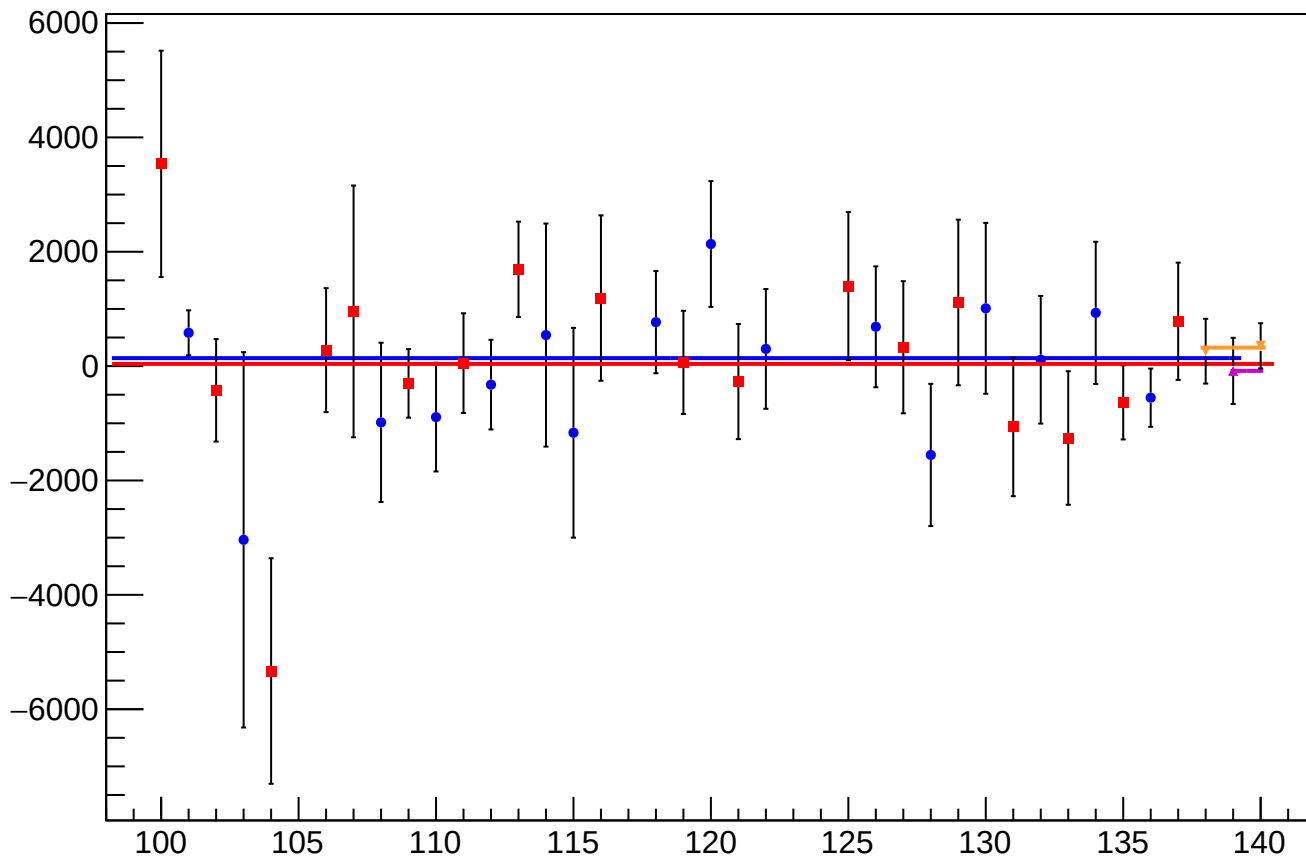
Left In: 1726.804+/-1.327 χ^2/NDF : 0.0/0

+ sign 1835.490+/-0.445 χ^2/NDF : 689014.0/17

All: 1853.657+/-0.323 χ^2/NDF : 957446.3/36

- sign 1874.040+/-0.471 χ^2/NDF : 264888.8/18

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 139.799 $\pm$ 220.100 χ^2 /NDF: 13.5/15

Left Out: 324.019 $\pm$ 324.367 χ^2 /NDF:0.0/1

Right Out: 38.629 $\pm$ 238.253 χ^2 /NDF: 21.4/17

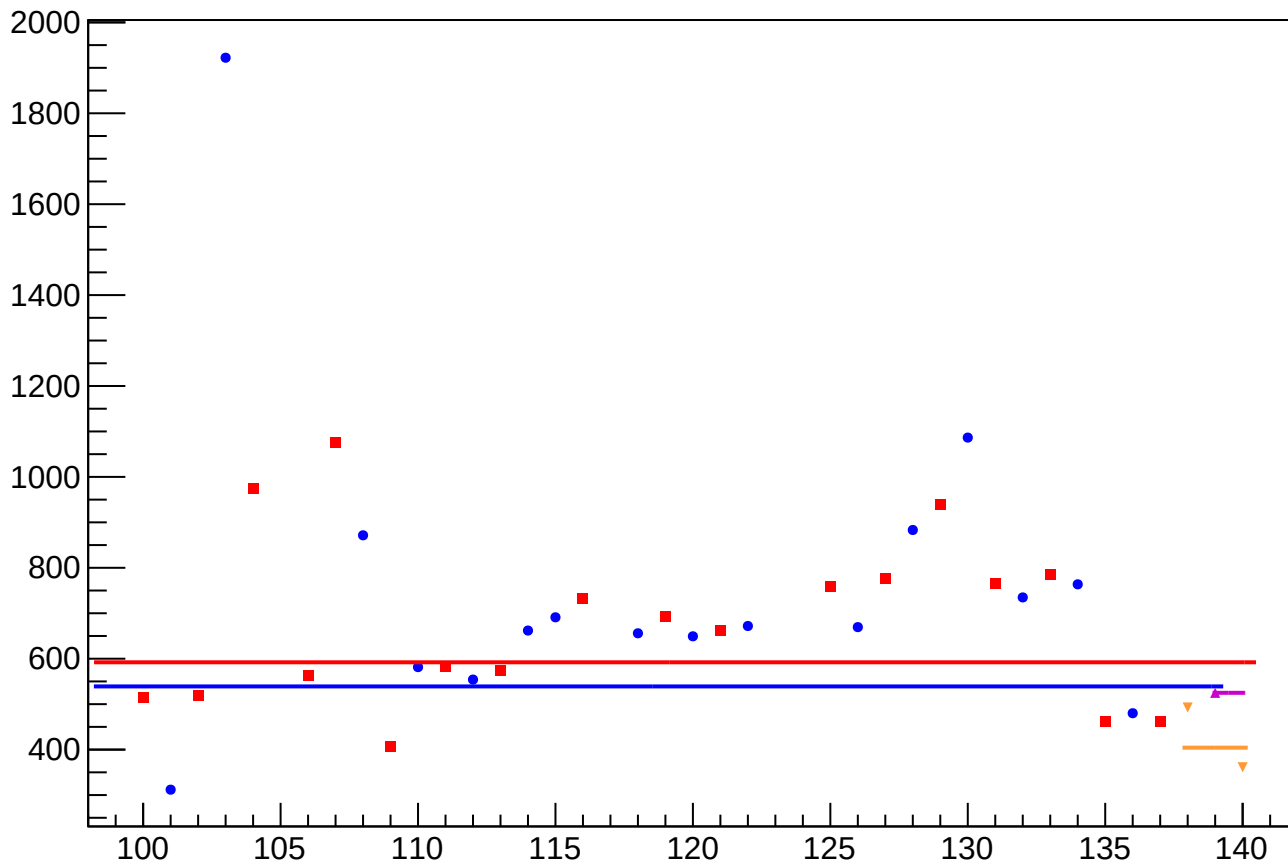
Left In: -83.216 $\pm$ 578.590 χ^2 /NDF:0.0/0

+ sign 197.878 $\pm$ 182.129 χ^2 /NDF: 13.7/17

All: 126.054 $\pm$ 140.372 χ^2 /NDF: 35.5/36

- sign 20.964 $\pm$ 220.306 χ^2 /NDF: 21.4/18

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: 404.260+/-0.229 χ^2/NDF : 72410.0/1

Right Out: 592.101+/-0.168 χ^2/NDF : 843066.1/17

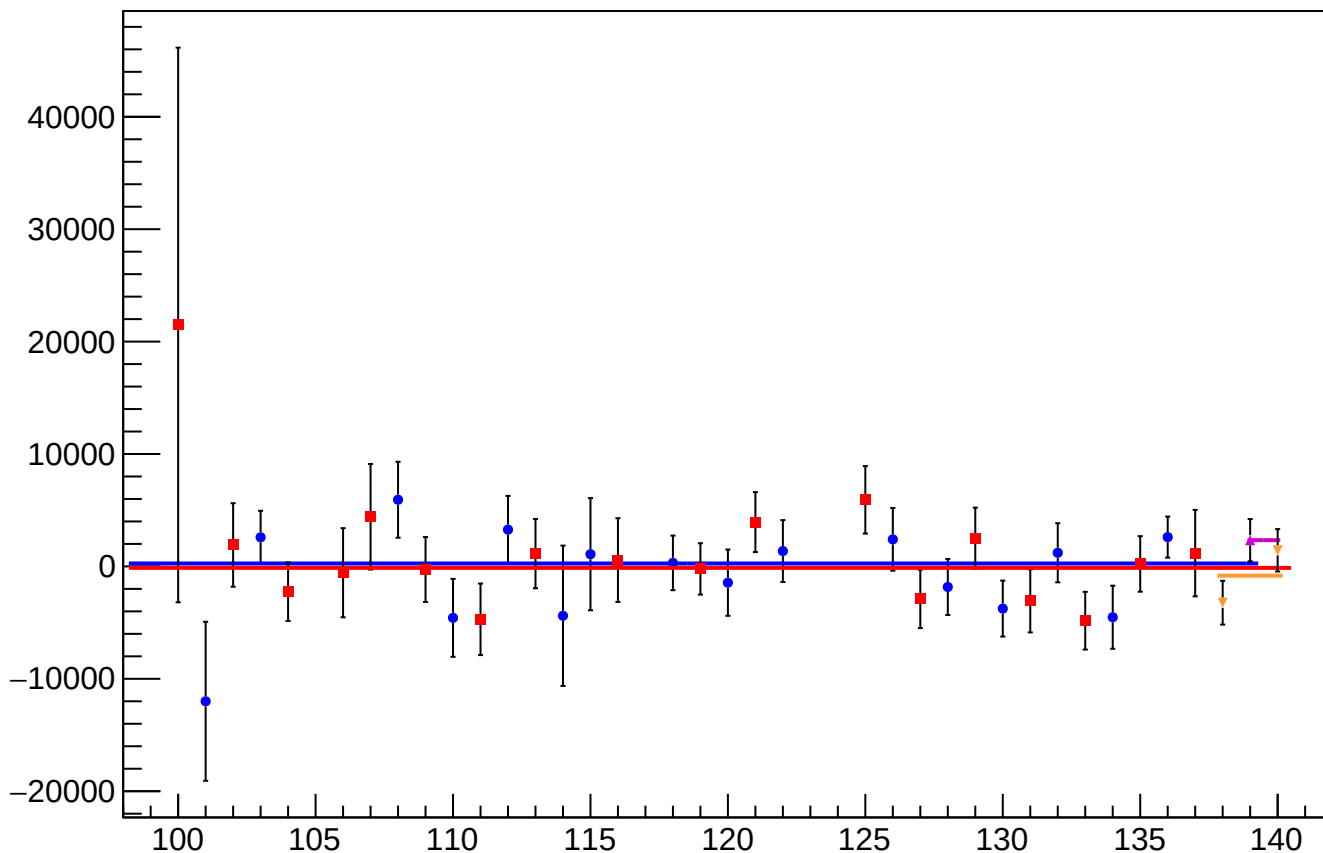
Left In: 524.945+/-0.409 χ^2/NDF : 0.0/0

+ sign 496.531+/-0.129 χ^2/NDF : 2163345.4/17

All: 531.378+/-0.099 χ^2/NDF : 3209787.9/36

- sign 582.365+/-0.156 χ^2/NDF : 866103.4/18

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF : 19.4/15

Left Out: -822.953+/-1355.477 χ^2/NDF : 3.0/1

Right Out: -130.049+/-713.724 χ^2/NDF : 18.0/17

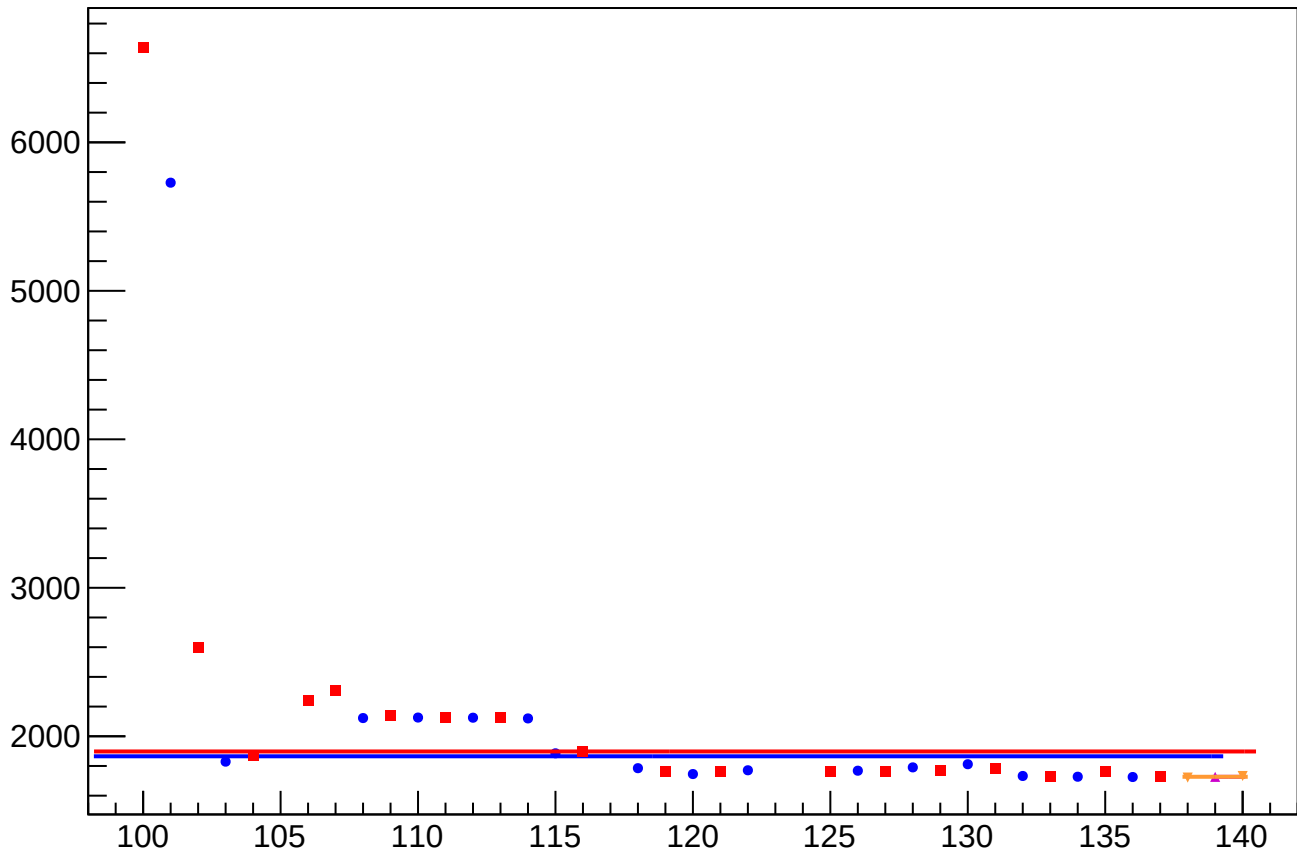
Left In: 2333.615+/-1876.783 χ^2/NDF : 0.0/0

+ sign 26.754+/-628.734 χ^2/NDF : 22.9/17

All: 99.422+/-457.548 χ^2/NDF : 42.4/36

- sign 181.232+/-667.113 χ^2/NDF : 19.5/18

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170 ± 0.502 $\chi^2/\text{NDF}: 672724.7/15$

Left Out: 1727.219 ± 0.958 $\chi^2/\text{NDF}: 30.8/1$

Right Out: 1897.700 ± 0.505 $\chi^2/\text{NDF}: 257735.0/17$

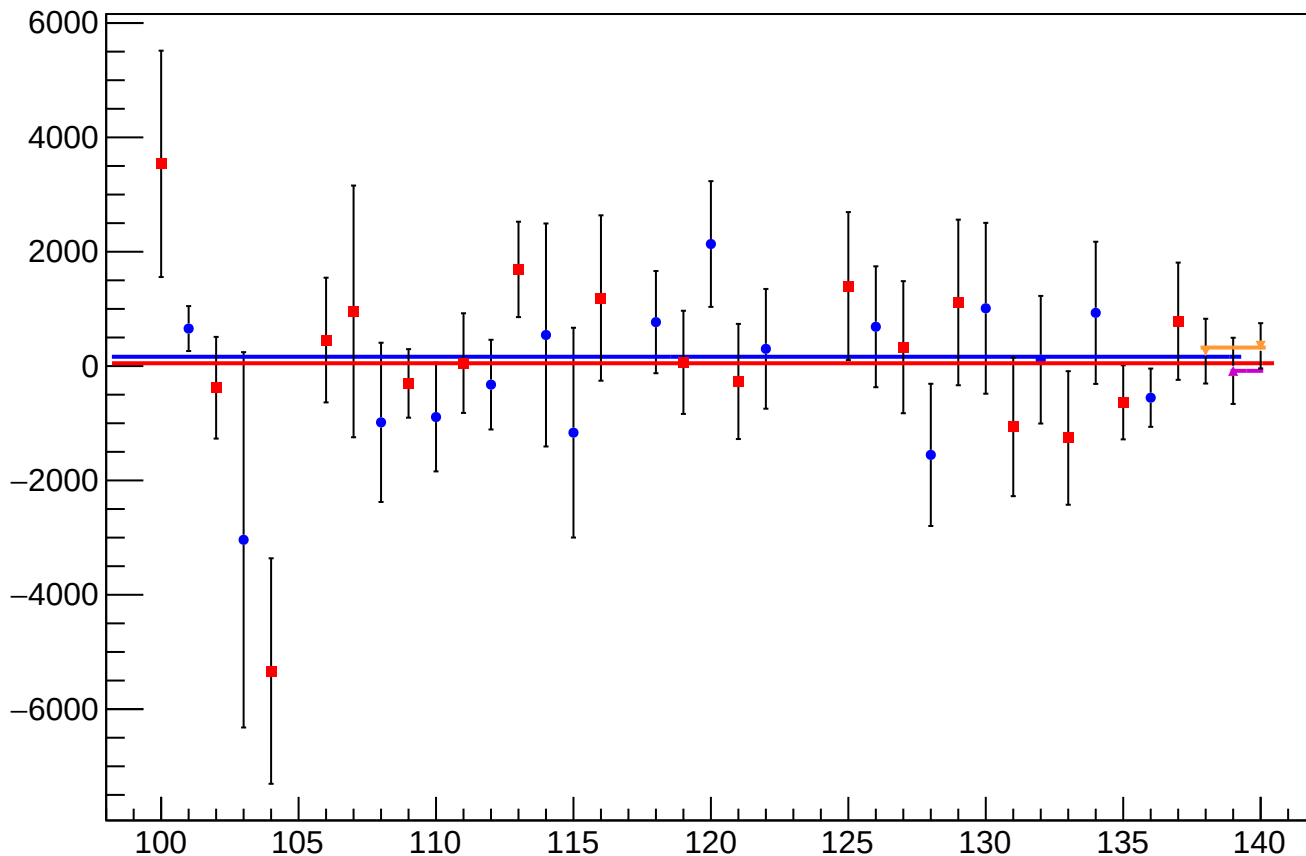
Left In: 1726.804 ± 1.327 $\chi^2/\text{NDF}: 0.0/0$

+ sign 1835.489 ± 0.445 $\chi^2/\text{NDF}: 689013.9/17$

All: 1854.597 ± 0.324 $\chi^2/\text{NDF}: 965163.3/36$

- sign 1876.108 ± 0.472 $\chi^2/\text{NDF}: 272222.8/18$

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 163.149 $\pm$ 220.024 χ^2 /NDF: 13.9/15

Left Out: 324.061 $\pm$ 324.370 χ^2 /NDF: 0.0/1

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

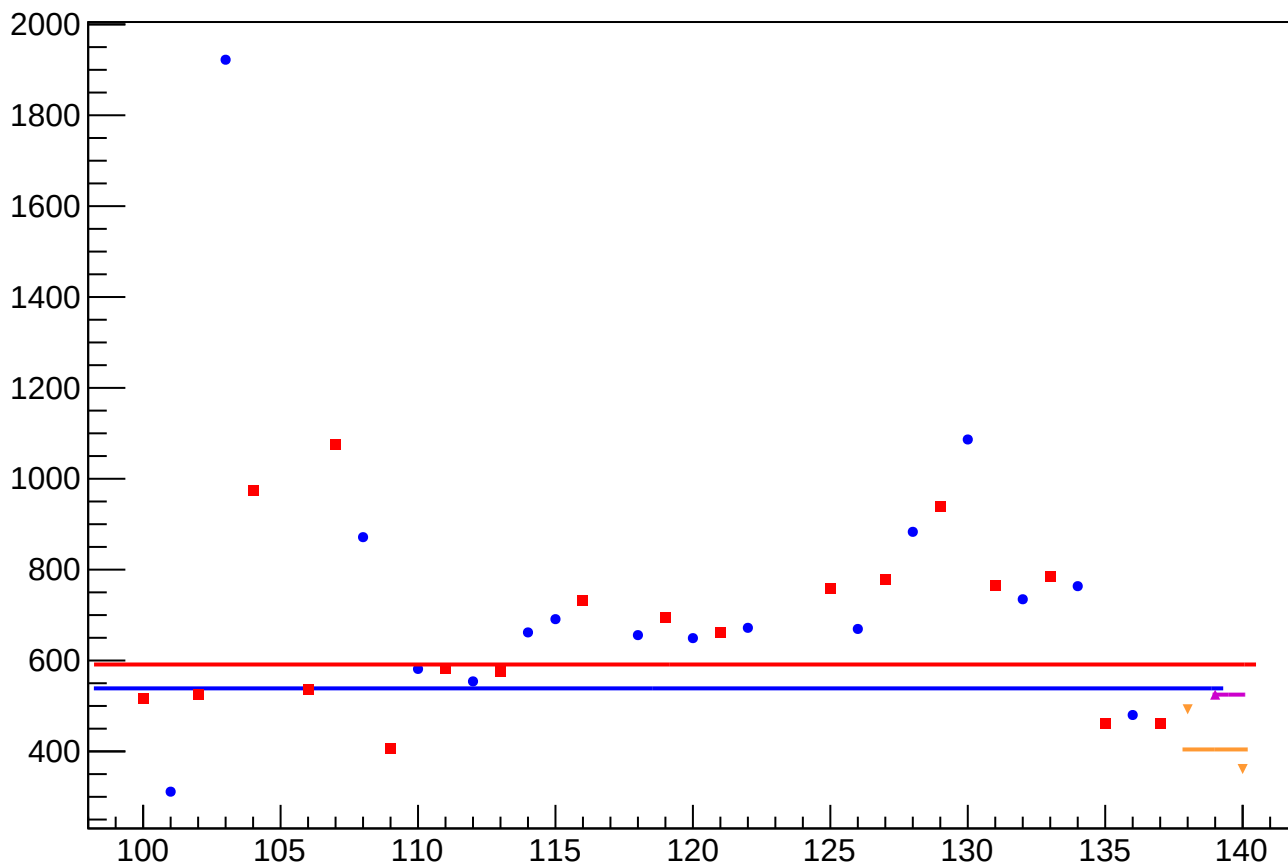
Left In: -83.118 $\pm$ 578.565 χ^2 /NDF: 0.0/0

+ sign 213.855 $\pm$ 182.087 χ^2 /NDF: 14.1/17

All: 139.370 $\pm$ 140.341 χ^2 /NDF: 36.0/36

- sign 30.380 $\pm$ 220.261 χ^2 /NDF: 21.5/18

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF : 1858892.9/15

Left Out: 404.266+/-0.229 χ^2/NDF : 72418.2/1

Right Out: 591.241+/-0.168 χ^2/NDF : 844536.8/17

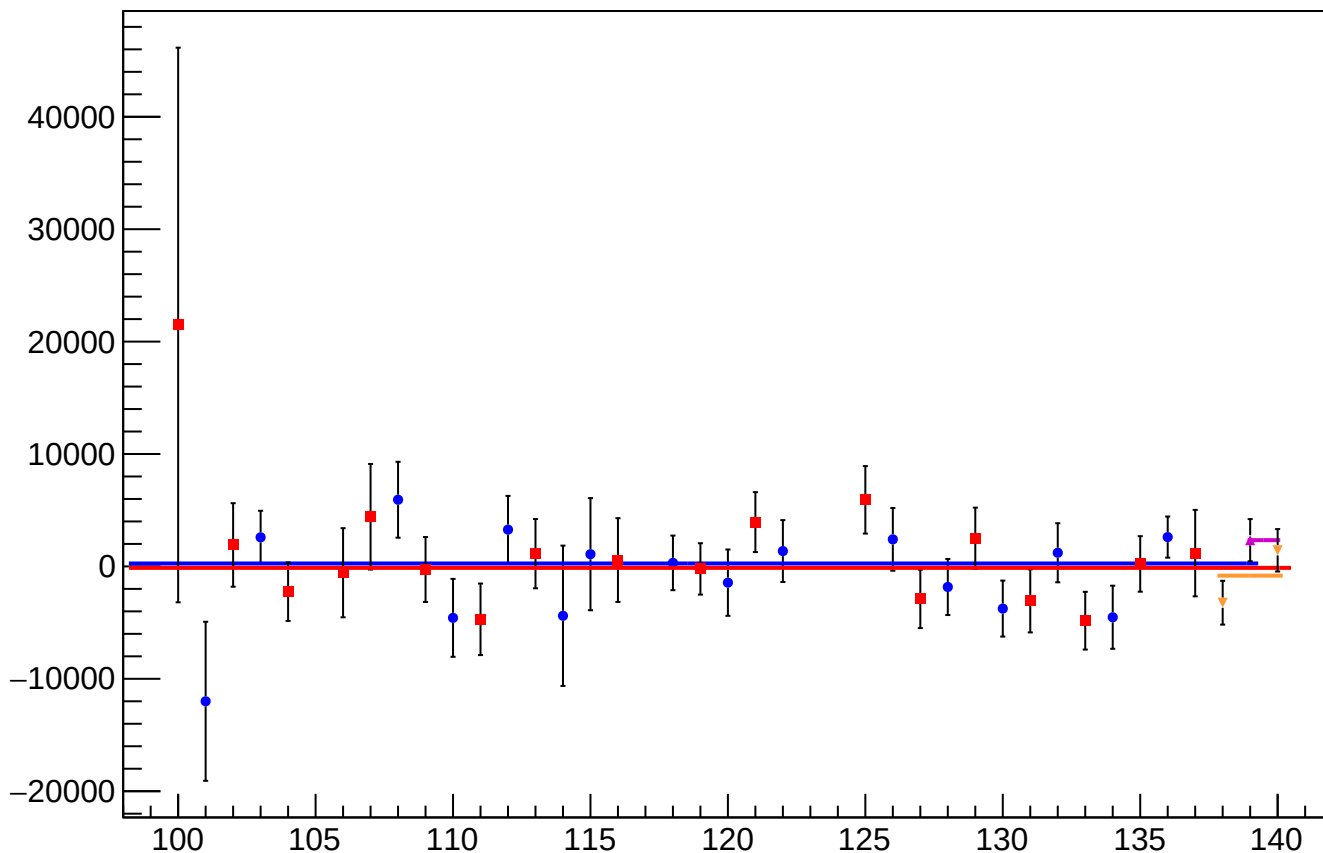
Left In: 524.922+/-0.409 χ^2/NDF : 0.0/0

+ sign 496.340+/-0.129 χ^2/NDF : 2166600.5/17

All: 530.965+/-0.099 χ^2/NDF : 3211747.0/36

- sign 581.630+/-0.156 χ^2/NDF : 867006.9/18

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689 $\pm$ 709.700 χ^2 /NDF: 19.4/15

Left Out: -822.953 $\pm$ 1355.477 χ^2 /NDF:3.0/1

Right Out: -130.049 $\pm$ 713.724 χ^2 /NDF: 18.0/17

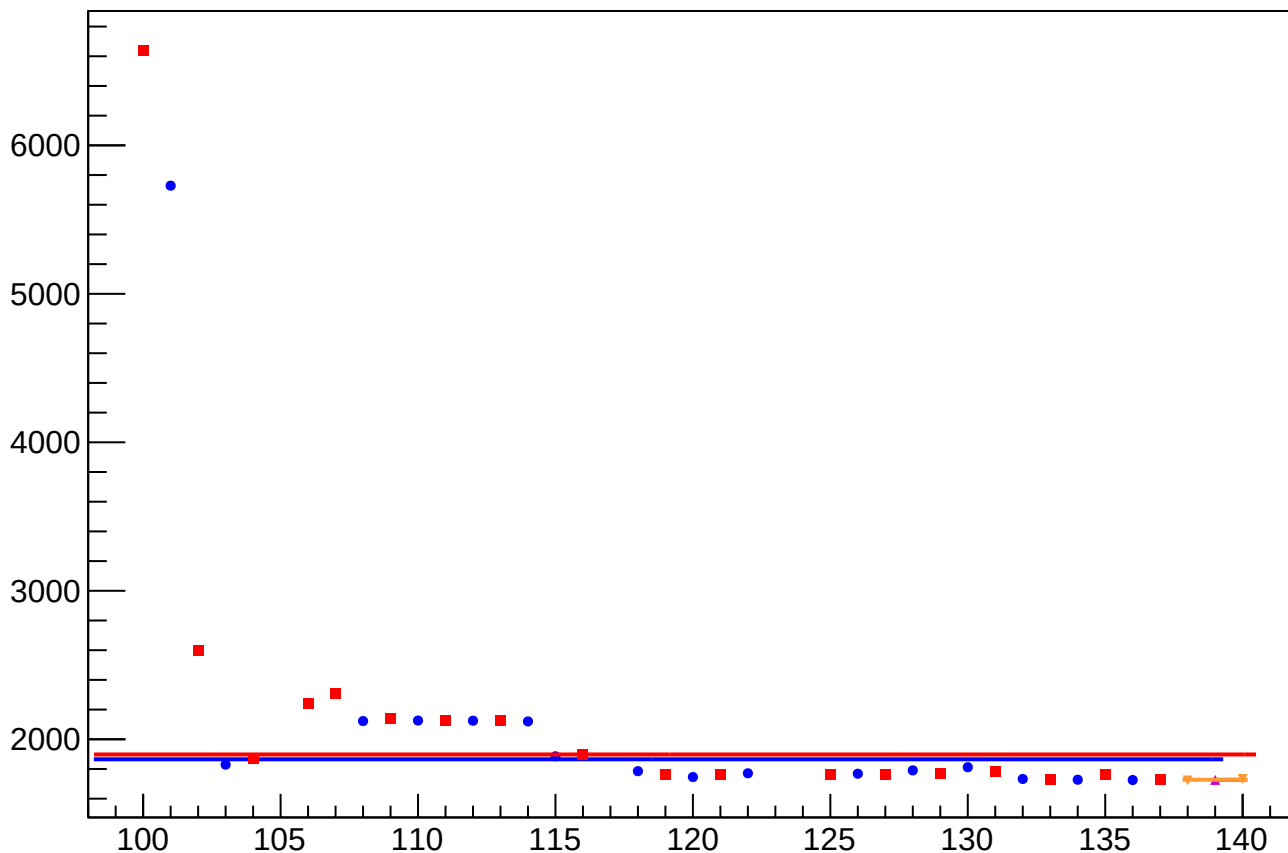
Left In: 2333.615 $\pm$ 1876.783 χ^2 /NDF:0.0/0

+ sign 26.754 $\pm$ 628.734 χ^2 /NDF: 22.9/17

All: 99.422 $\pm$ 457.548 χ^2 /NDF: 42.4/36

- sign 181.232 $\pm$ 667.113 χ^2 /NDF: 19.5/18

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: 1727.219+/-0.958 χ^2/NDF : 30.8/1

Right Out: 1897.700+/-0.505 χ^2/NDF : 257735.0/17

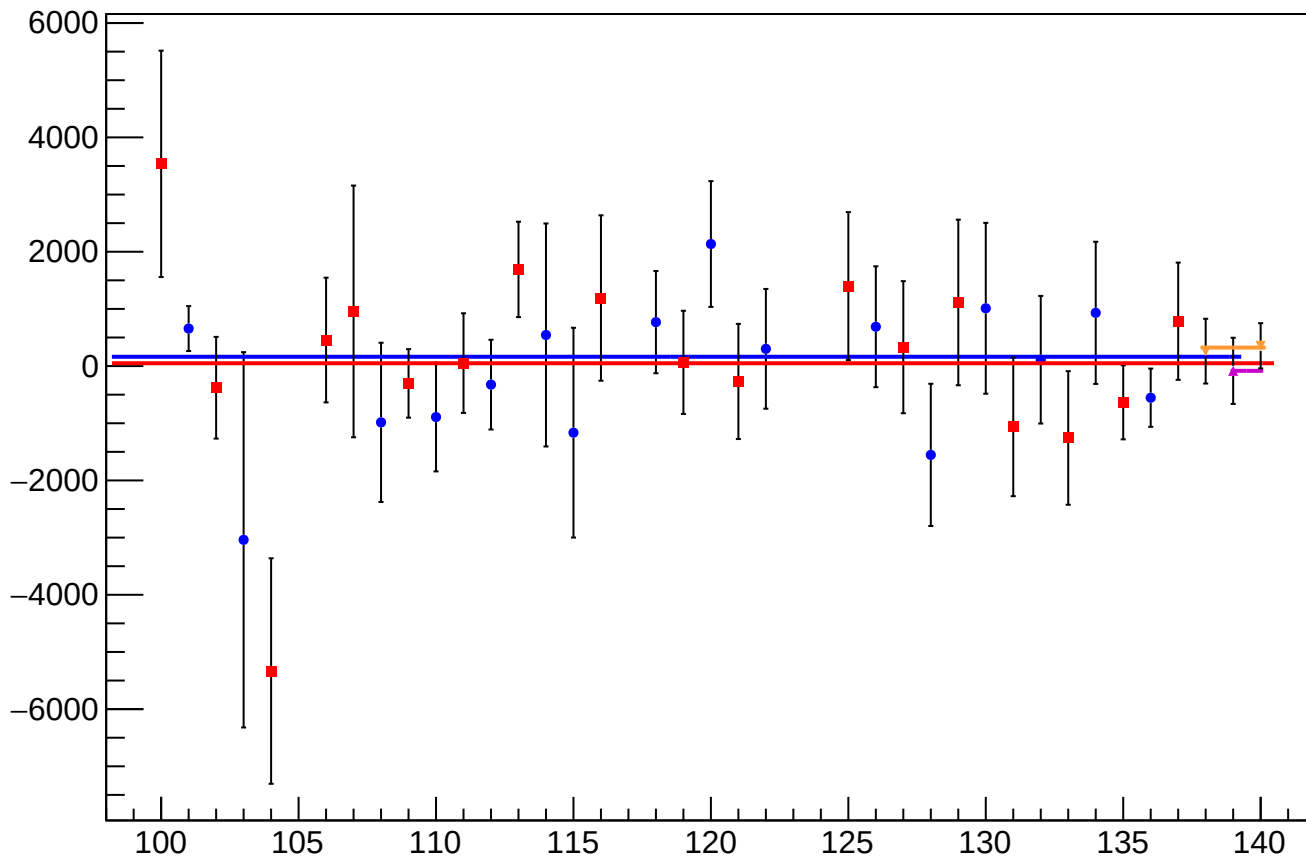
Left In: 1726.804+/-1.327 χ^2/NDF : 0.0/0

+ sign 1835.489+/-0.445 χ^2/NDF : 689013.9/17

All: 1854.597+/-0.324 χ^2/NDF : 965163.3/36

- sign 1876.108+/-0.472 χ^2/NDF : 272222.8/18

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 163.149 $\pm$ 220.024 χ^2 /NDF: 13.9/15

Left Out: 324.061 $\pm$ 324.370 χ^2 /NDF:0.0/1

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

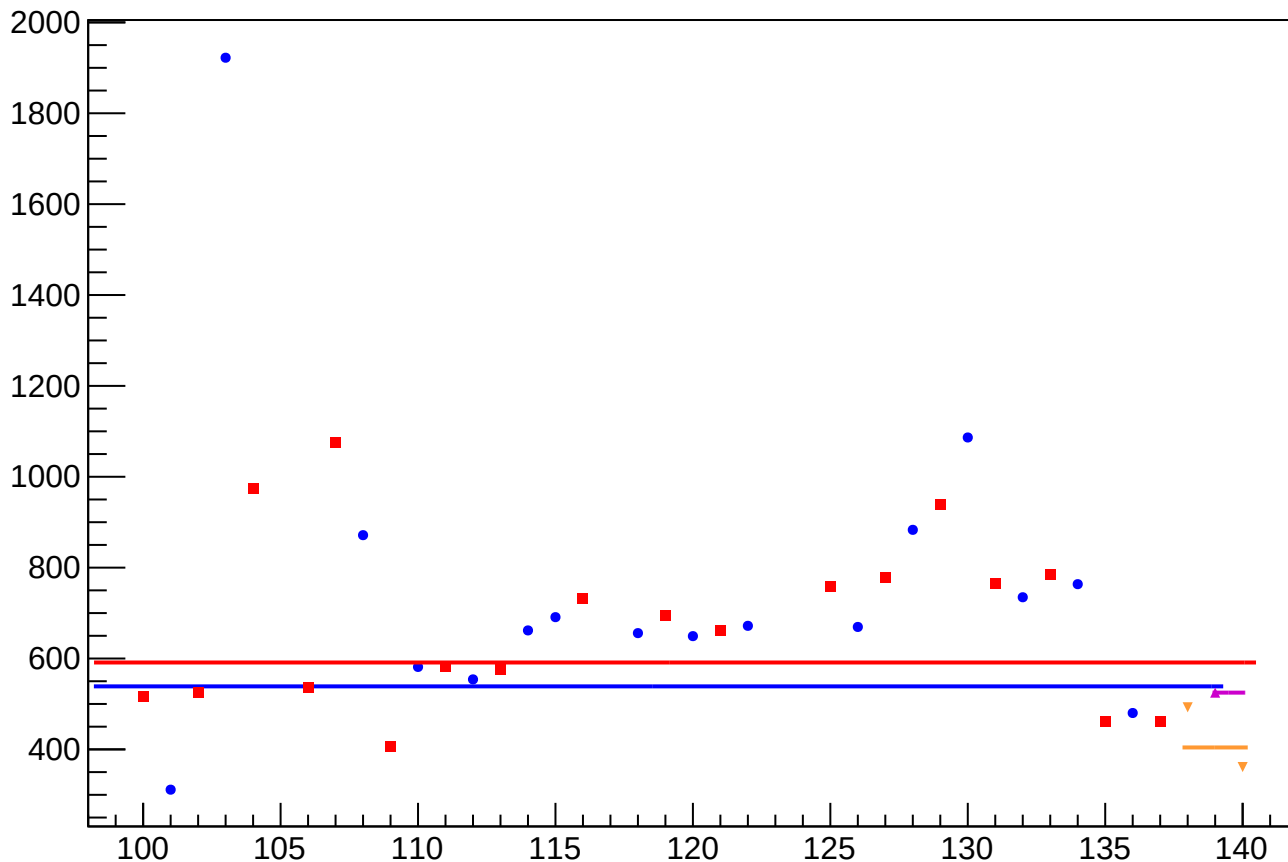
Left In: -83.118 $\pm$ 578.565 χ^2 /NDF:0.0/0

+ sign 213.855 $\pm$ 182.087 χ^2 /NDF: 14.1/17

All: 139.370 $\pm$ 140.341 χ^2 /NDF: 36.0/36

- sign 30.380 $\pm$ 220.261 χ^2 /NDF: 21.5/18

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF : 1858892.9/15

Left Out: 404.266+/-0.229 χ^2/NDF : 72418.2/1

Right Out: 591.241+/-0.168 χ^2/NDF : 844536.8/17

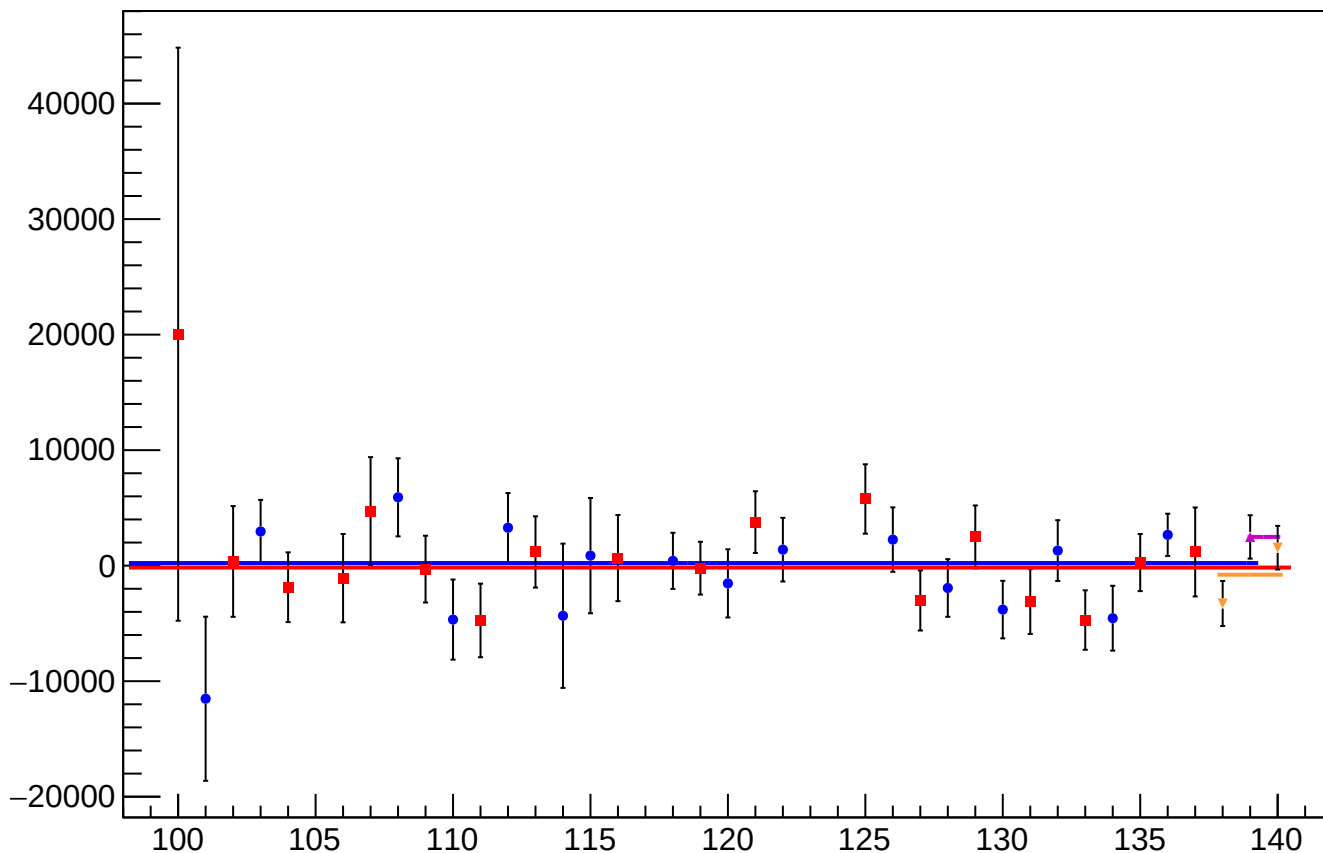
Left In: 524.922+/-0.409 χ^2/NDF : 0.0/0

+ sign 496.340+/-0.129 χ^2/NDF : 2166600.5/17

All: 530.965+/-0.099 χ^2/NDF : 3211747.0/36

- sign 581.630+/-0.156 χ^2/NDF : 867006.9/18

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227 $\pm$ 718.556 χ^2 /NDF: 19.4/15

Left Out: -780.453 $\pm$ 1356.337 χ^2 /NDF:3.2/1

Right Out: -163.711 $\pm$ 725.798 χ^2 /NDF: 17.0/17

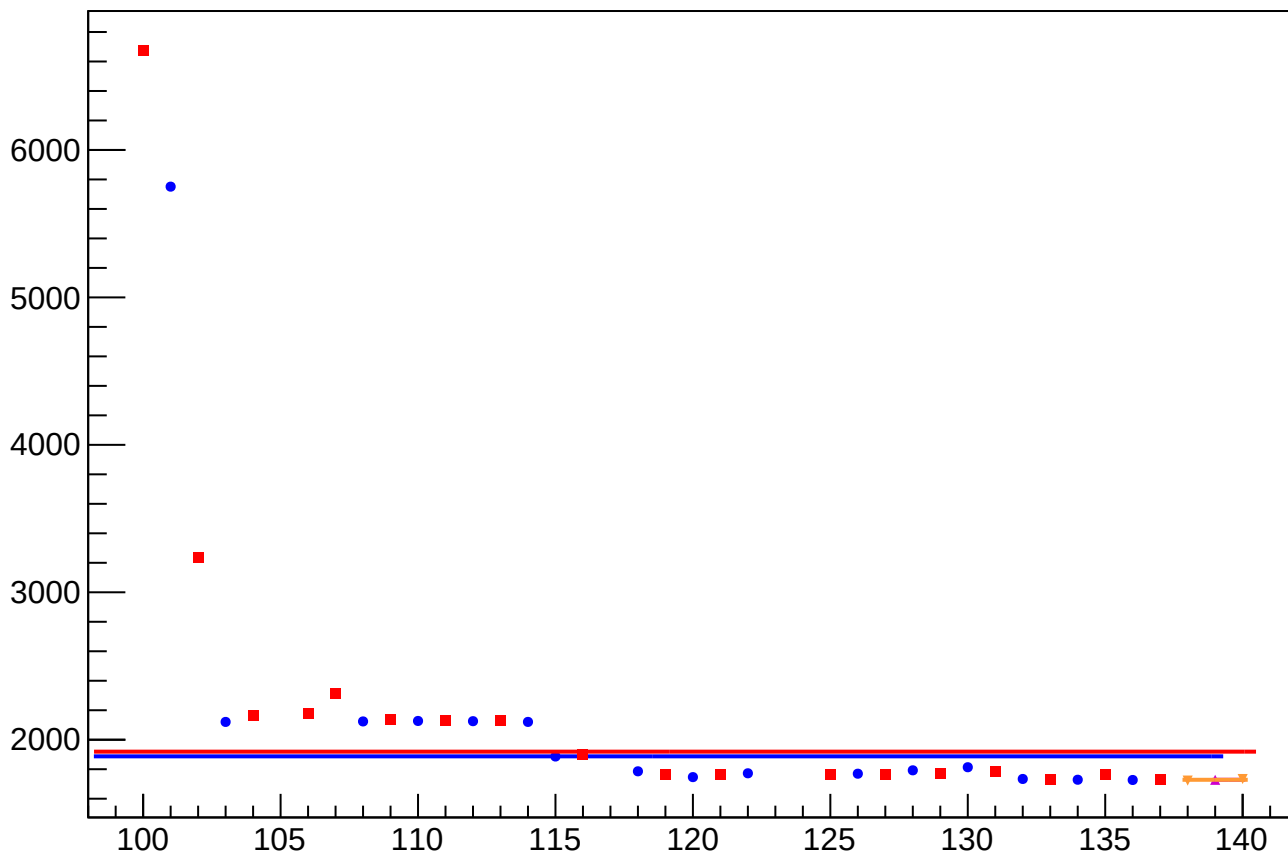
Left In: 2488.131 $\pm$ 1878.423 χ^2 /NDF:0.0/0

+ sign 5.608 $\pm$ 634.955 χ^2 /NDF: 23.0/17

All: 87.578 $\pm$ 463.138 χ^2 /NDF: 41.8/36

- sign 180.767 $\pm$ 677.018 χ^2 /NDF: 18.8/18

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF : 689442.6/15

Left Out: 1728.315+/-0.959 χ^2/NDF : 30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF : 352567.1/17

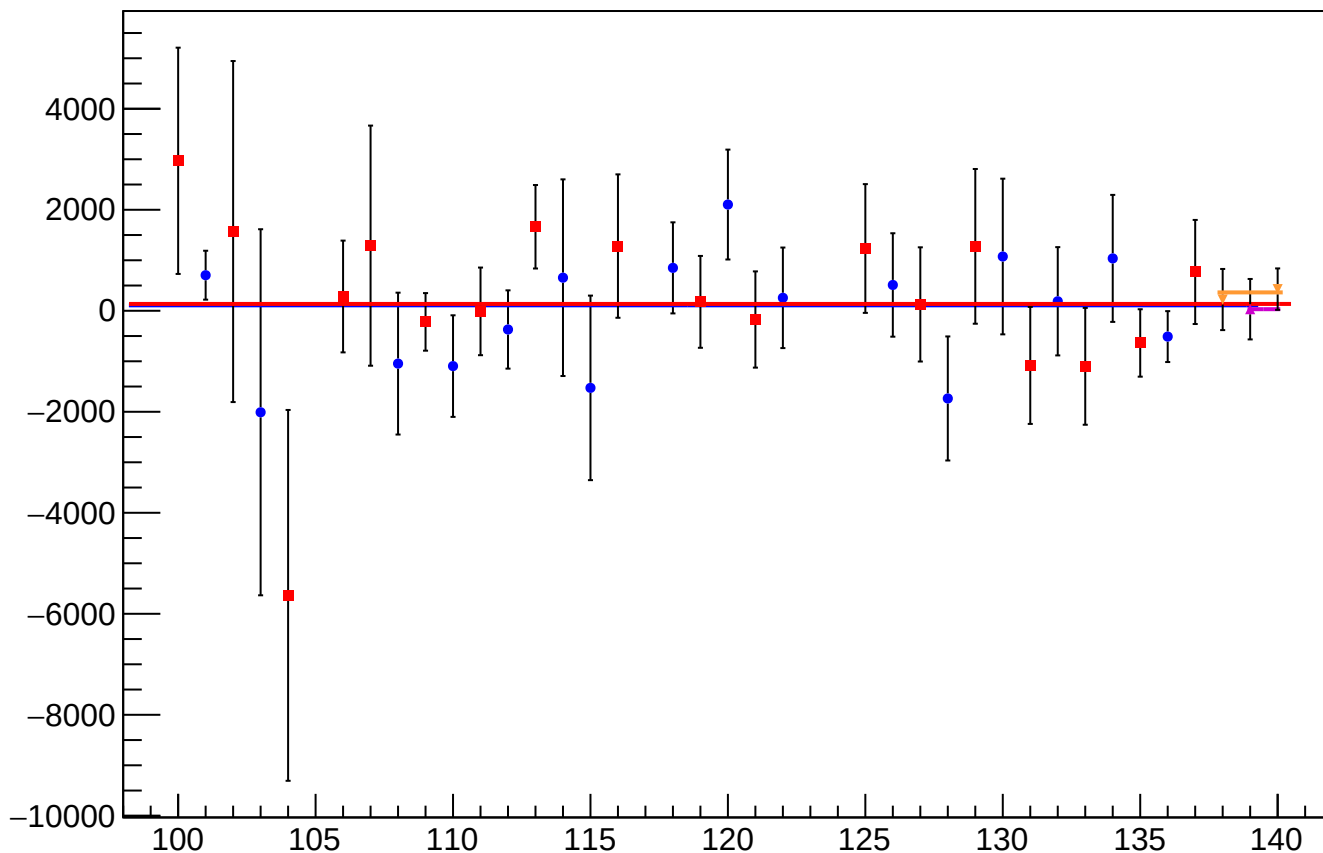
Left In: 1728.291+/-1.328 χ^2/NDF : 0.0/0

+ sign 1852.465+/-0.449 χ^2/NDF : 710933.1/17

All: 1872.075+/-0.327 χ^2/NDF : 1085544.7/30

- sign 1894.369+/-0.479 χ^2/NDF : 370535.3/18

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 108.131+/-231.711 χ^2/NDF : 14.2/15

Left Out: 363.798+/-339.607 χ^2/NDF : 0.1/1

Right Out: 135.358+/-245.933 χ^2/NDF : 14.4/17

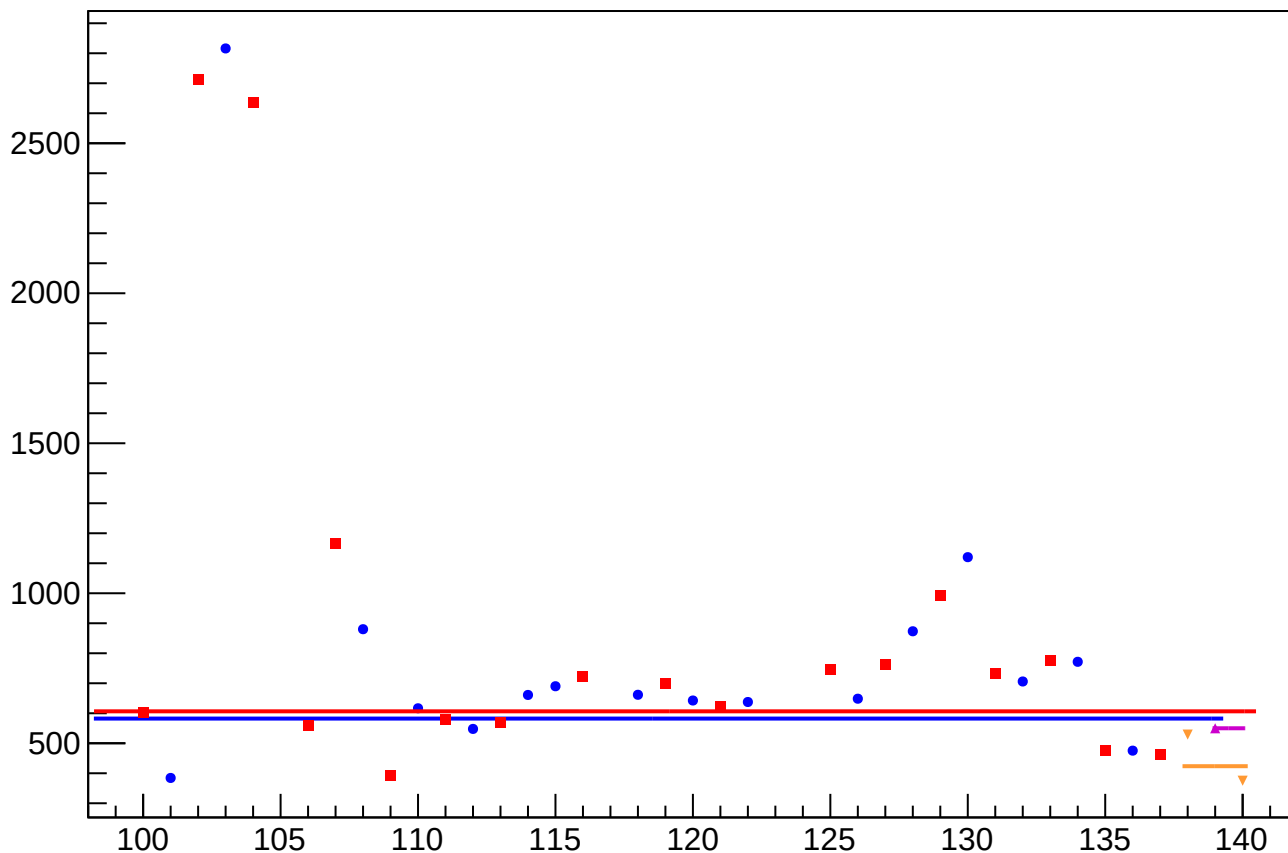
Left In: 31.416+/-598.530 χ^2/NDF : 0.0/0

+ sign 189.343+/-191.404 χ^2/NDF : 14.6/17

All: 160.742+/-146.457 χ^2/NDF : 29.1/36

- sign 120.343+/-227.479 χ^2/NDF : 14.4/18

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 582.270+/-0.164 χ^2/NDF : 1754301.3/15

Left Out: 423.540+/-0.240 χ^2/NDF : 88402.4/1

Right Out: 606.451+/-0.174 χ^2/NDF : 2198399.5/17

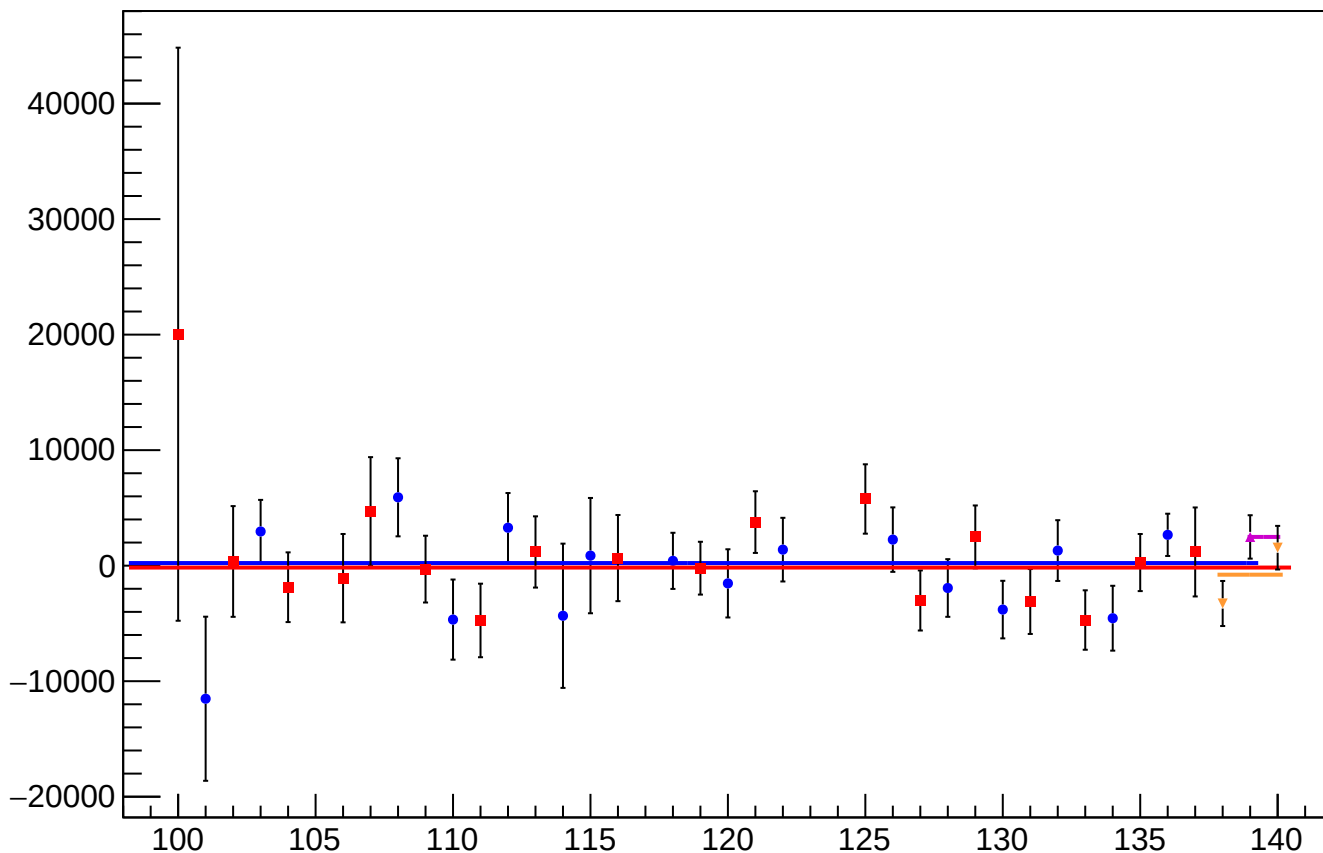
Left In: 549.951+/-0.423 χ^2/NDF : 0.0/0

+ sign 531.850+/-0.135 χ^2/NDF : 2140831.9/17

All: 559.390+/-0.104 χ^2/NDF : 4454369.0/36

- sign 598.289+/-0.161 χ^2/NDF : 2213647.3/18

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227 $\pm$ 718.556 χ^2 /NDF: 19.4/15

Left Out: -780.450 $\pm$ 1356.338 χ^2 /NDF:3.2/1

Right Out: -163.711 $\pm$ 725.798 χ^2 /NDF: 17.0/17

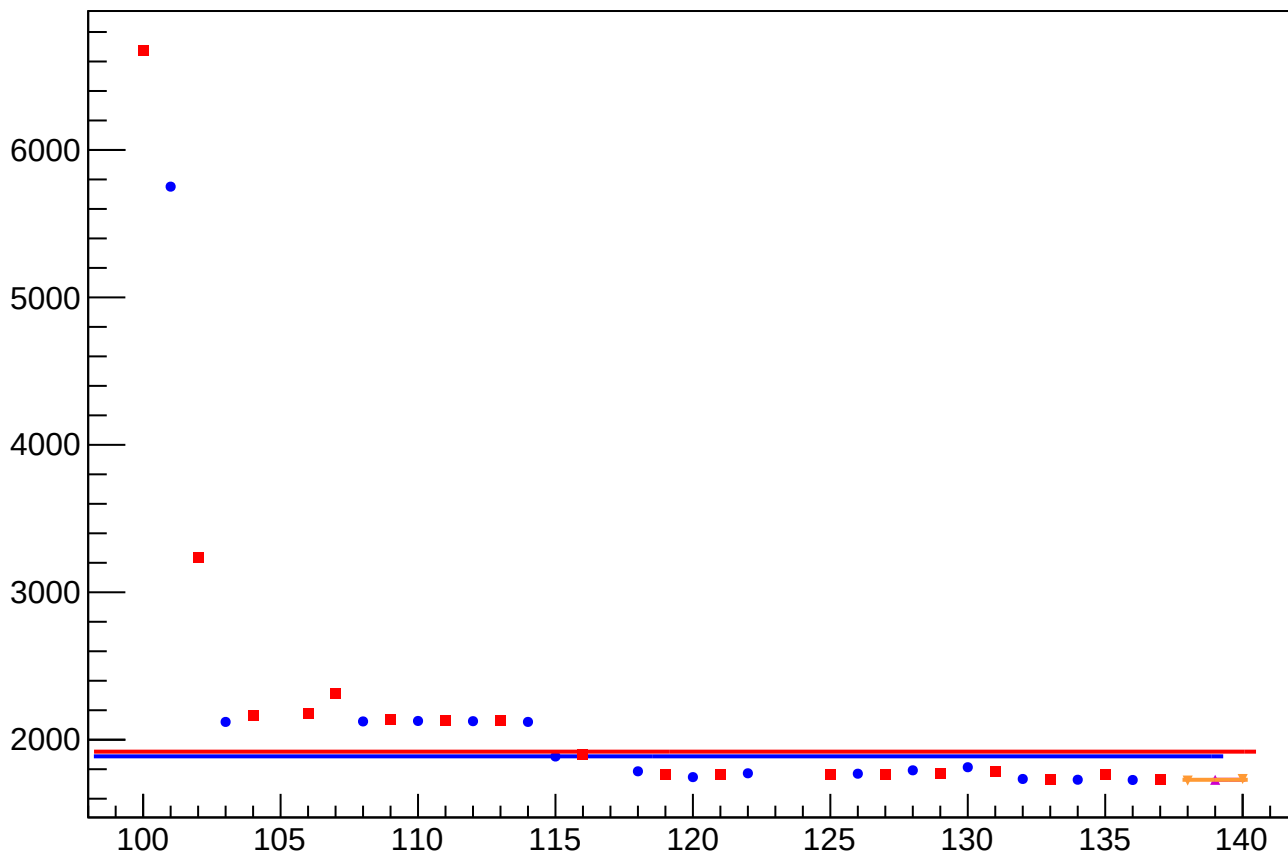
Left In: 2488.131 $\pm$ 1878.423 χ^2 /NDF:0.0/0

+ sign 5.609 $\pm$ 634.955 χ^2 /NDF: 23.0/17

All: 87.578 $\pm$ 463.138 χ^2 /NDF: 41.8/36

- sign 180.766 $\pm$ 677.018 χ^2 /NDF: 18.8/18

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: 1728.315+/-0.959 χ^2/NDF : 30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF : 352566.4/17

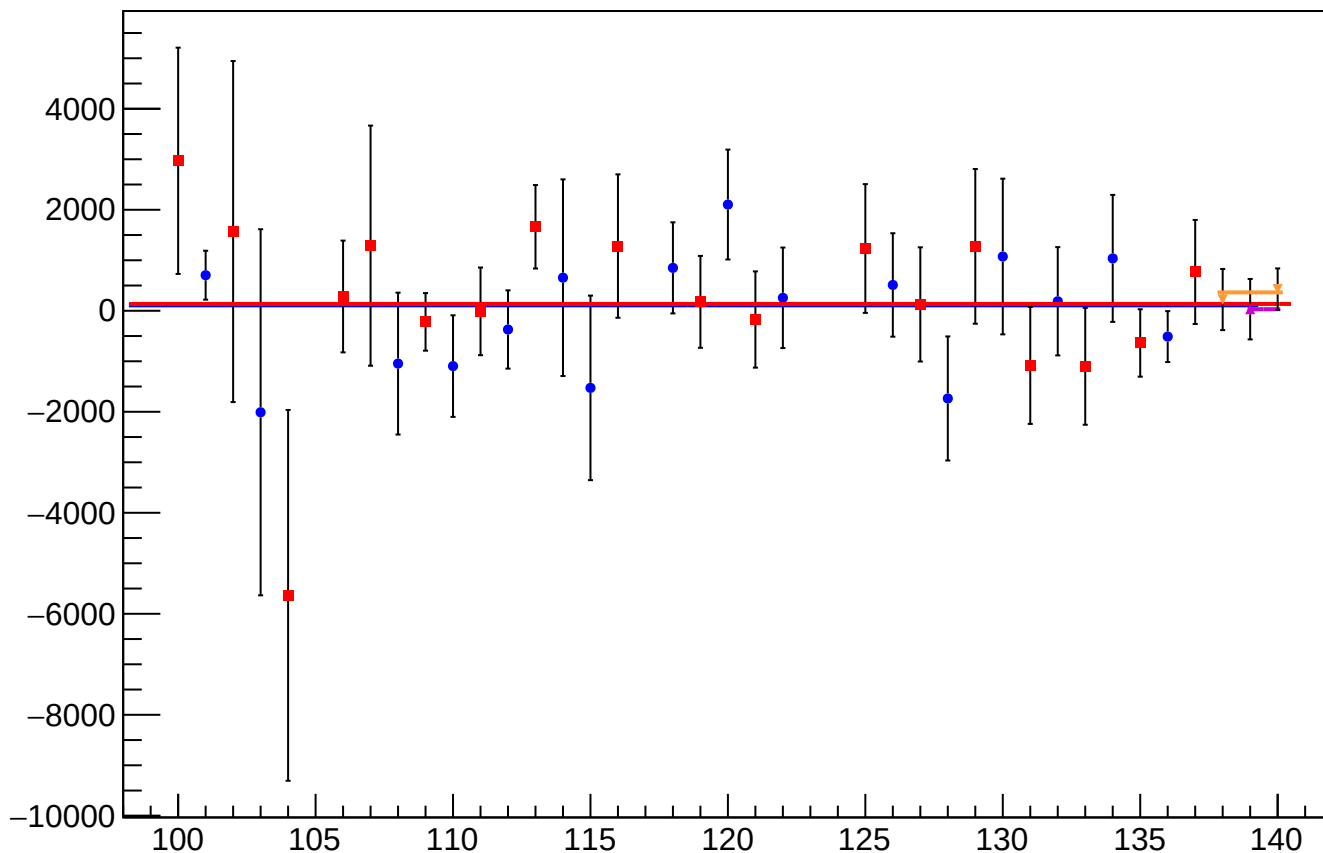
Left In: 1728.291+/-1.328 χ^2/NDF : 0.0/0

+ sign 1852.465+/-0.449 χ^2/NDF : 710932.8/17

All: 1872.075+/-0.327 χ^2/NDF : 1085543.6/30

- sign 1894.369+/-0.479 χ^2/NDF : 370534.5/18

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 108.128+/-231.710 χ^2/NDF : 14.2/15

Left Out: 363.800+/-339.608 χ^2/NDF : 0.1/1

Right Out: 135.356+/-245.932 χ^2/NDF : 14.4/17

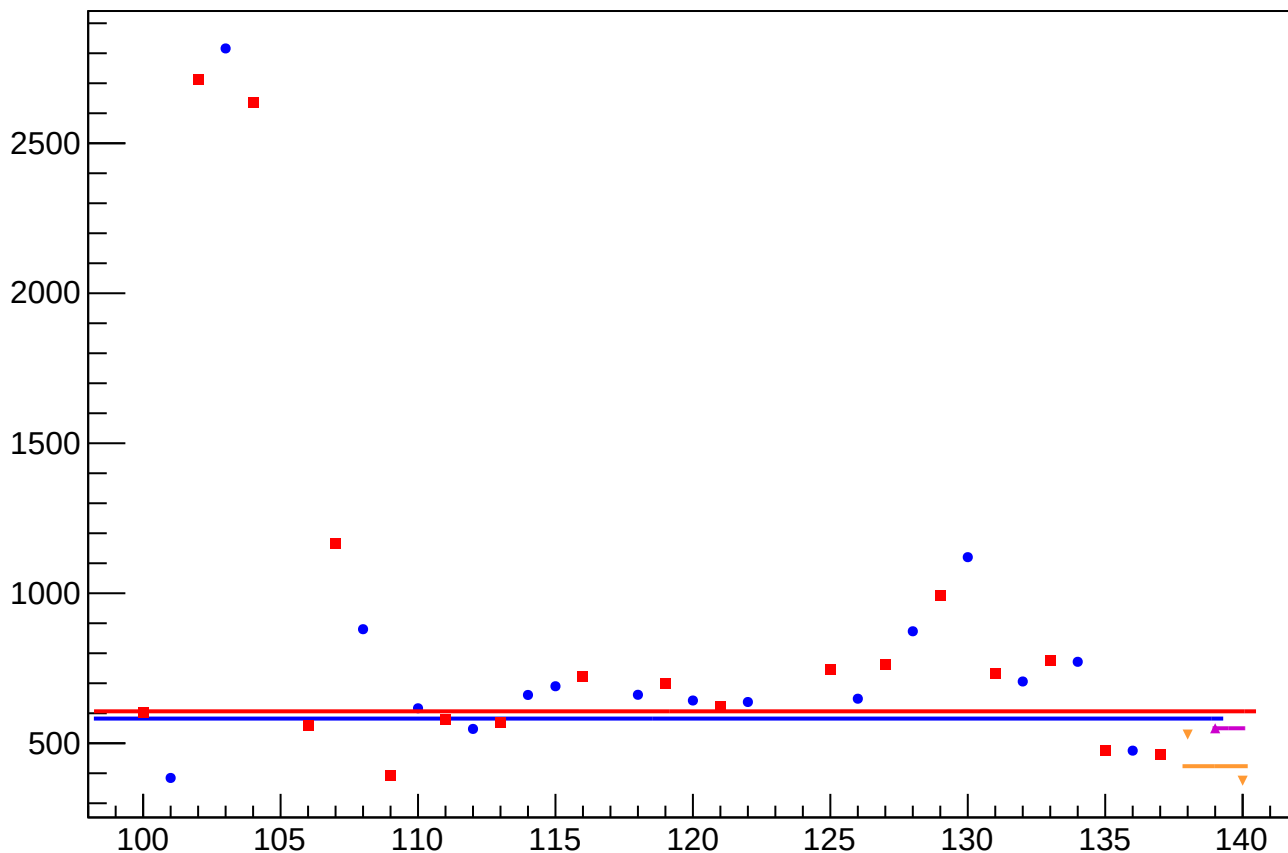
Left In: 31.414+/-598.533 χ^2/NDF : 0.0/0

+ sign 189.341+/-191.403 χ^2/NDF : 14.6/17

All: 160.740+/-146.456 χ^2/NDF : 29.1/36

- sign 120.342+/-227.478 χ^2/NDF : 14.4/18

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 582.268+/-0.164 χ^2/NDF : 1754289.3/15

Left Out: 423.542+/-0.240 χ^2/NDF : 88403.8/1

Right Out: 606.447+/-0.174 χ^2/NDF : 2198414.3/17

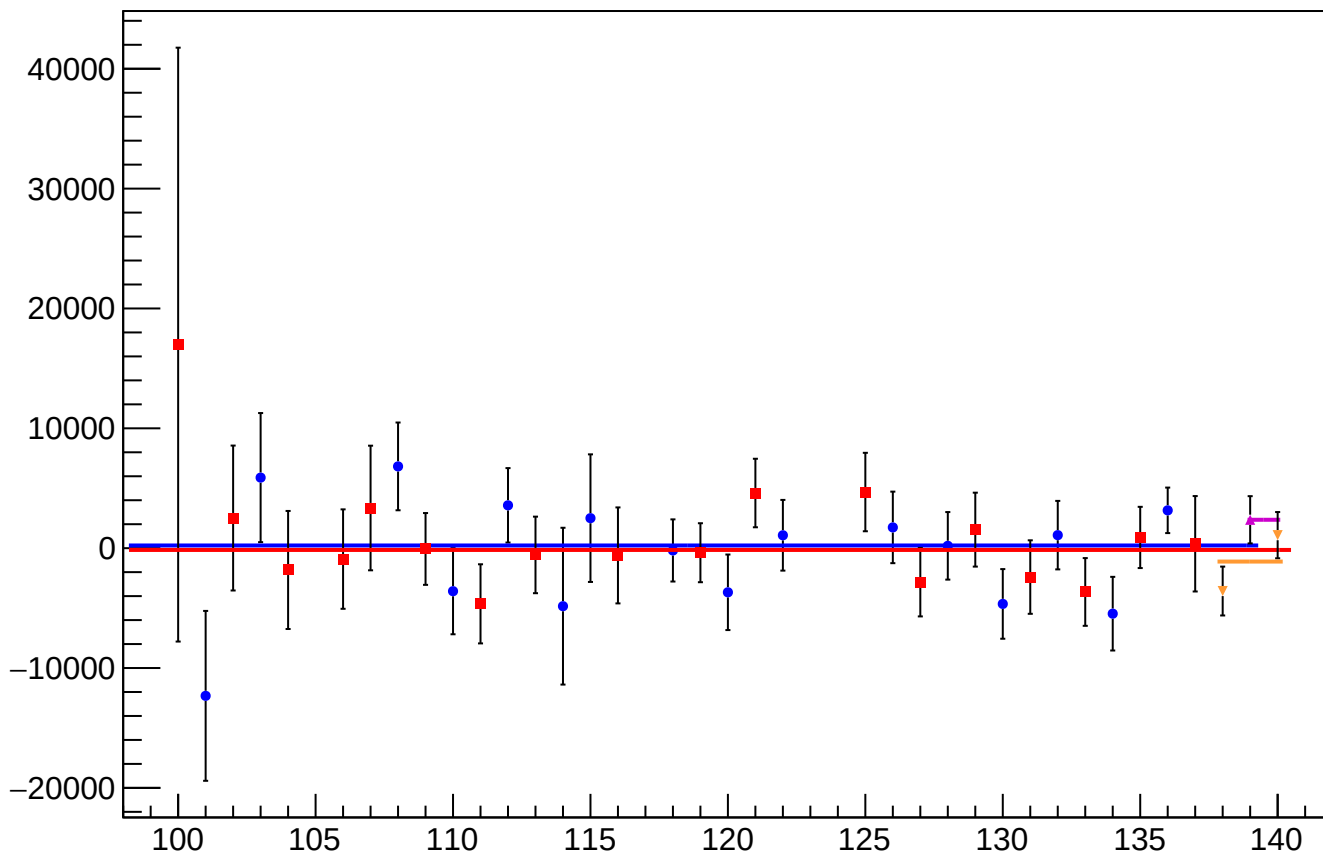
Left In: 549.954+/-0.423 χ^2/NDF : 0.0/0

+ sign 531.850+/-0.135 χ^2/NDF : 2140807.9/17

All: 559.389+/-0.104 χ^2/NDF : 4454349.5/36

- sign 598.287+/-0.161 χ^2/NDF : 2213658.3/18

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521 $\pm$ 791.678 χ^2 /NDF: 21.2/15

Left Out: -1117.465 $\pm$ 1401.389 χ^2 /NDF:2.8/1

Right Out: -147.974 $\pm$ 794.180 χ^2 /NDF: 11.6/17

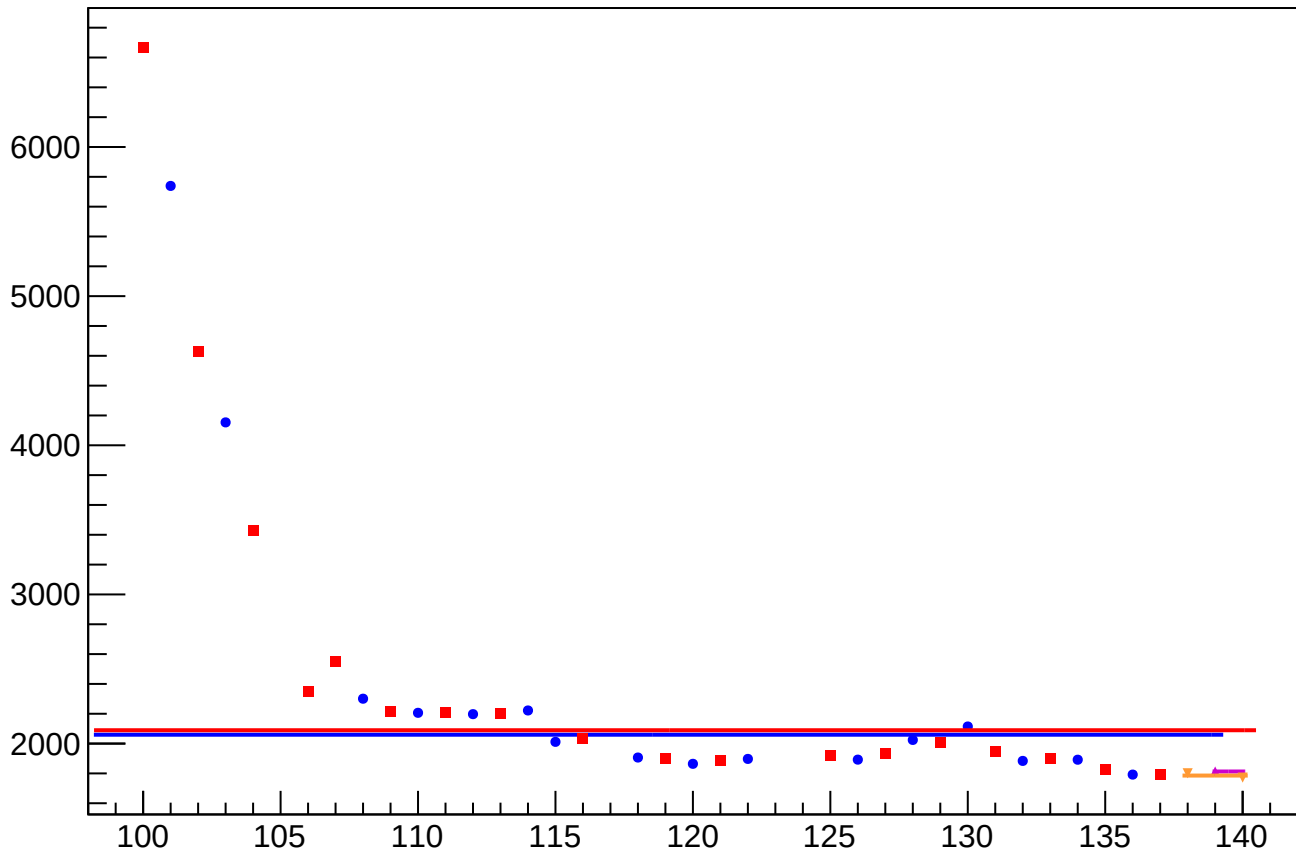
Left In: 2369.106 $\pm$ 1970.212 χ^2 /NDF:0.0/0

+ sign -100.145 $\pm$ 689.292 χ^2 /NDF: 24.6/17

All: 41.778 $\pm$ 503.294 χ^2 /NDF: 37.7/36

- sign 203.847 $\pm$ 736.589 χ^2 /NDF: 13.0/18

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496 $\pm$ 0.560 χ^2 /NDF: 939873.6/15

Left Out: 1785.611 $\pm$ 0.991 χ^2 /NDF:212.6/1

Right Out: 2089.476 $\pm$ 0.562 χ^2 /NDF: 681465.8/17

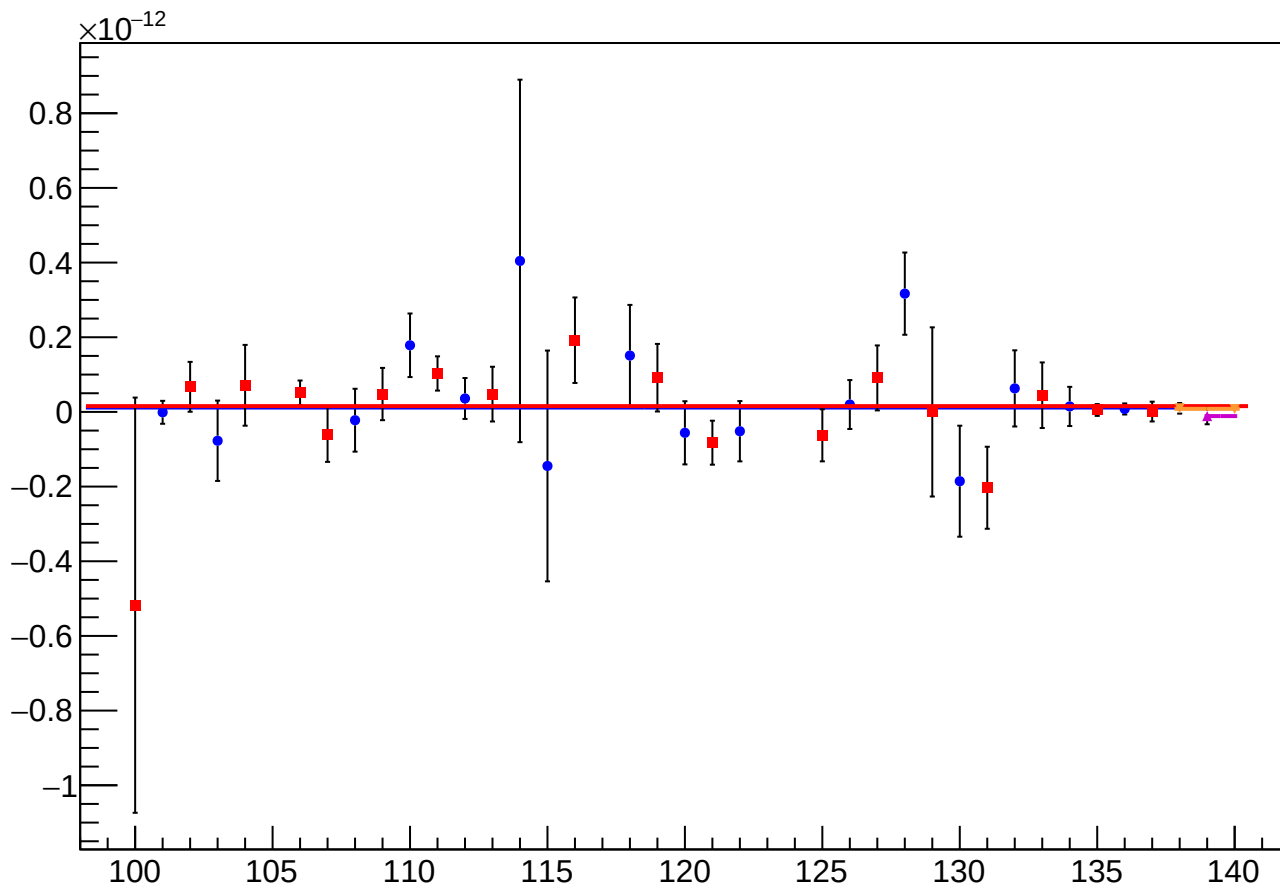
Left In: 1812.767 $\pm$ 1.393 χ^2 /NDF:0.0/0

+ sign 1993.235 $\pm$ 0.487 χ^2 /NDF: 997996.8/17

All: 2020.110 $\pm$ 0.356 χ^2 /NDF: 1719911.3/30

- sign 2050.800 $\pm$ 0.521 χ^2 /NDF: 715402.2/18

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/17

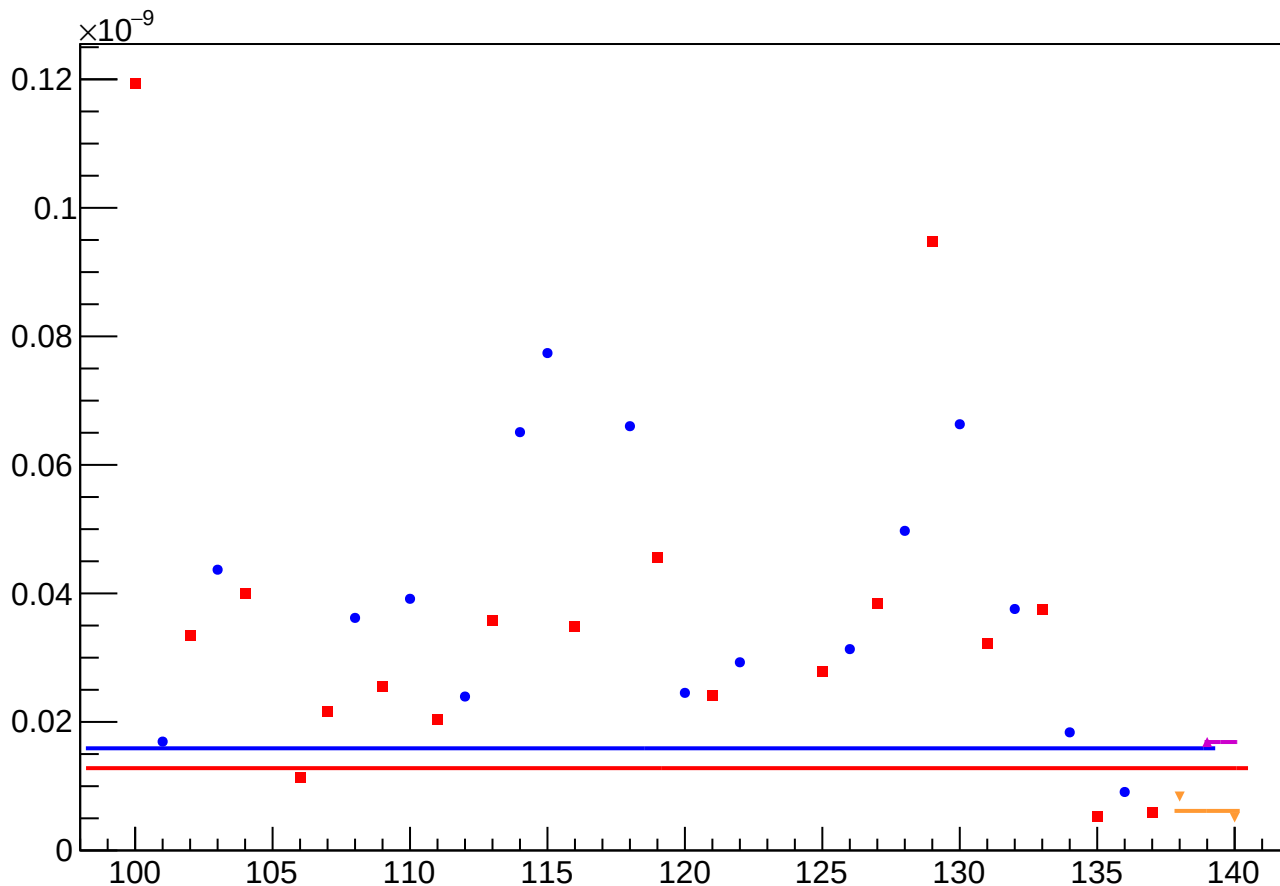
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.0/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/18

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1935582.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 72228.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2486058.2/17

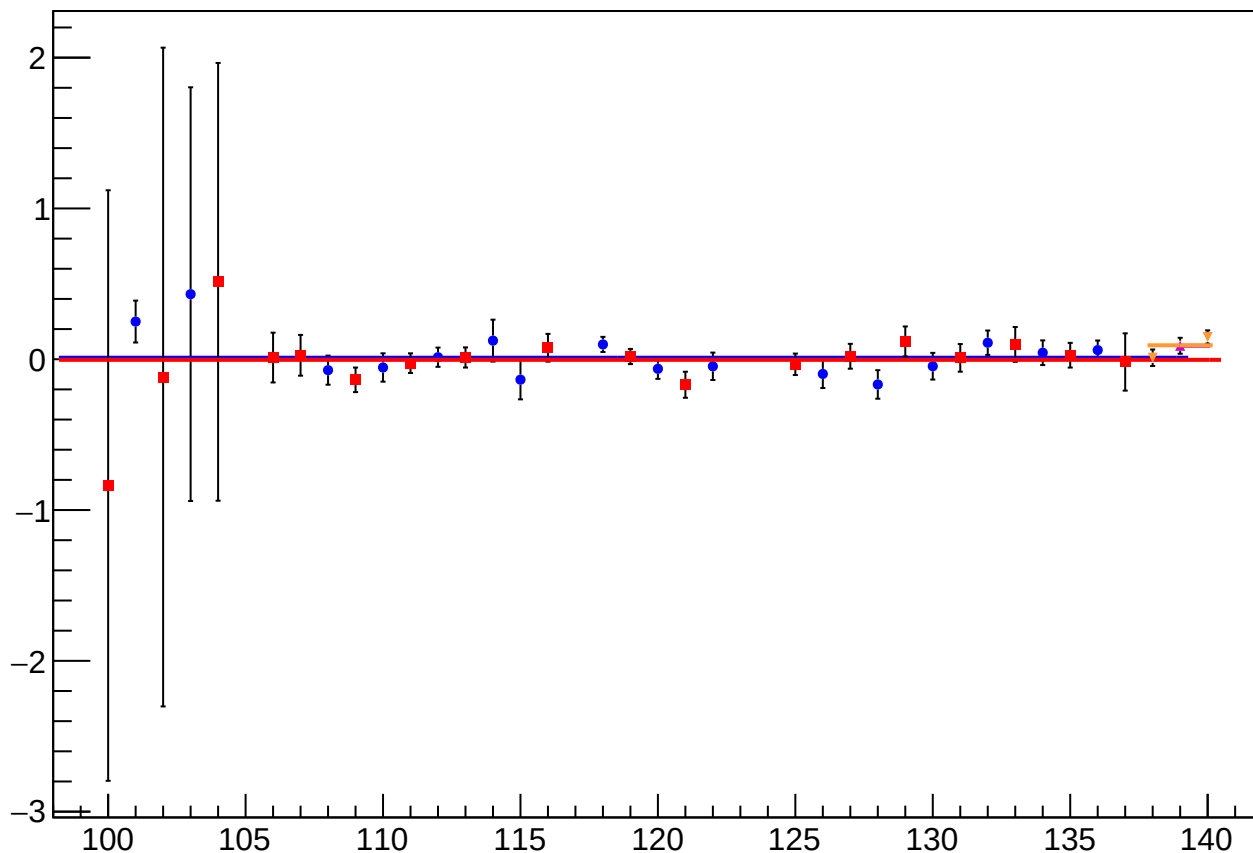
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2969623.2/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5785494.7/36

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2541721.0/18

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.093 $\pm$ 0.035 χ^2 /NDF:3.8/1

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

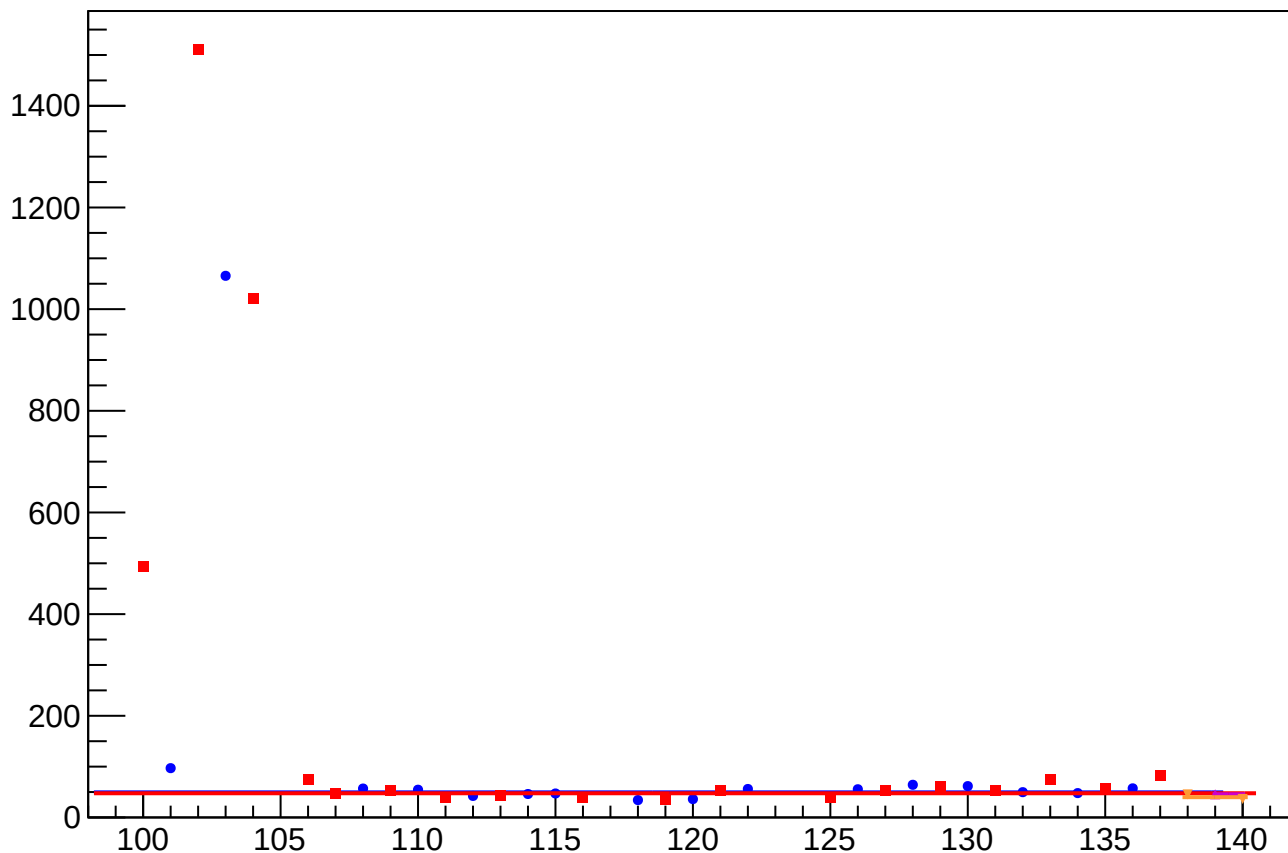
Left In: 0.089 $\pm$ 0.053 χ^2 /NDF:0.0/0

+ sign 0.032 $\pm$ 0.018 χ^2 /NDF: 26.4/17

All: 0.022 $\pm$ 0.013 χ^2 /NDF: 40.3/36

- sign 0.009 $\pm$ 0.020 χ^2 /NDF: 13.2/18

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF : 1776998.3/15

Left Out: 39.896+/-0.024 χ^2/NDF : 32021.8/1

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

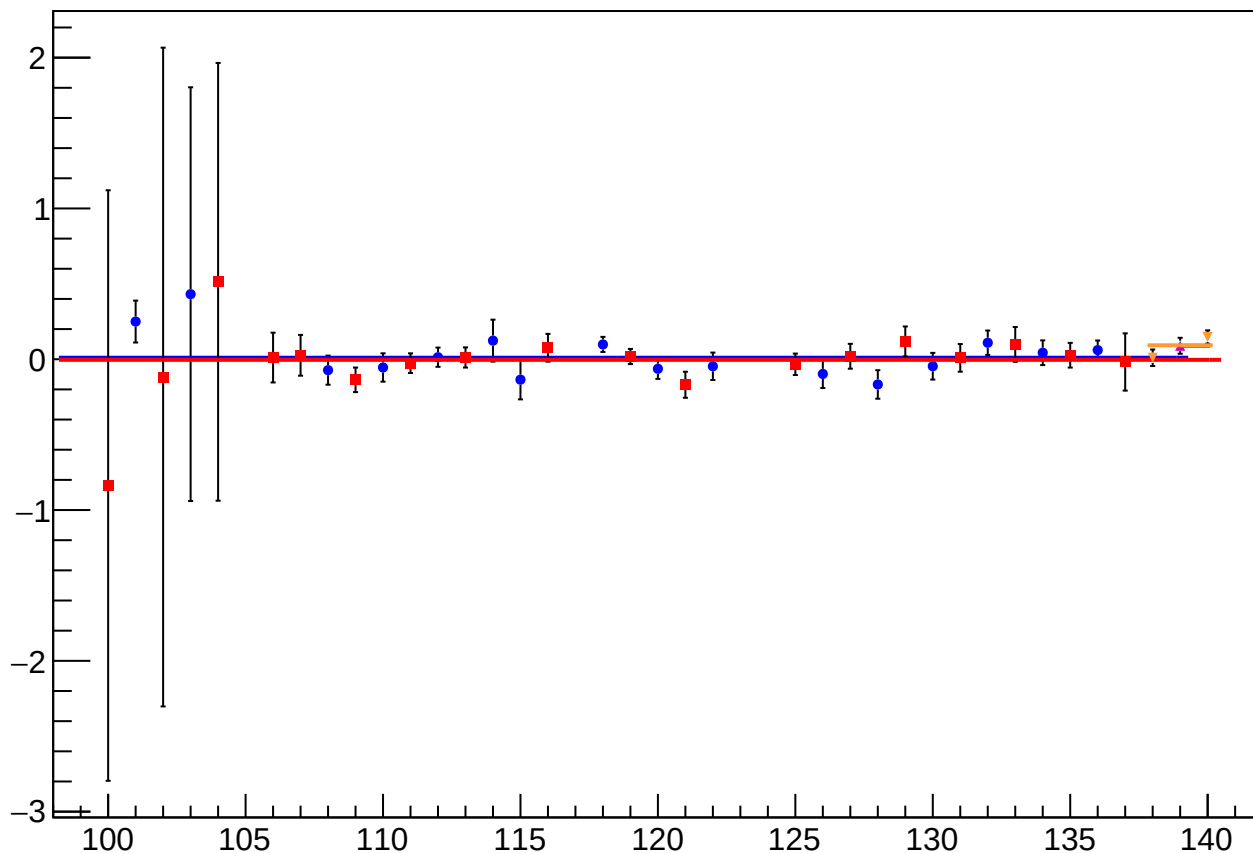
Left In: 45.605+/-0.037 χ^2/NDF : 0.0/0

+ sign 46.798+/-0.013 χ^2/NDF : 1917970.9/17

All: 47.030+/-0.009 χ^2/NDF : 4339379.1/36

- sign 47.317+/-0.014 χ^2/NDF : 2420657.5/18

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: 0.093 ± 0.035 χ^2/NDF : 3.8/1

Right Out: -0.004 ± 0.021 χ^2/NDF : 10.5/17

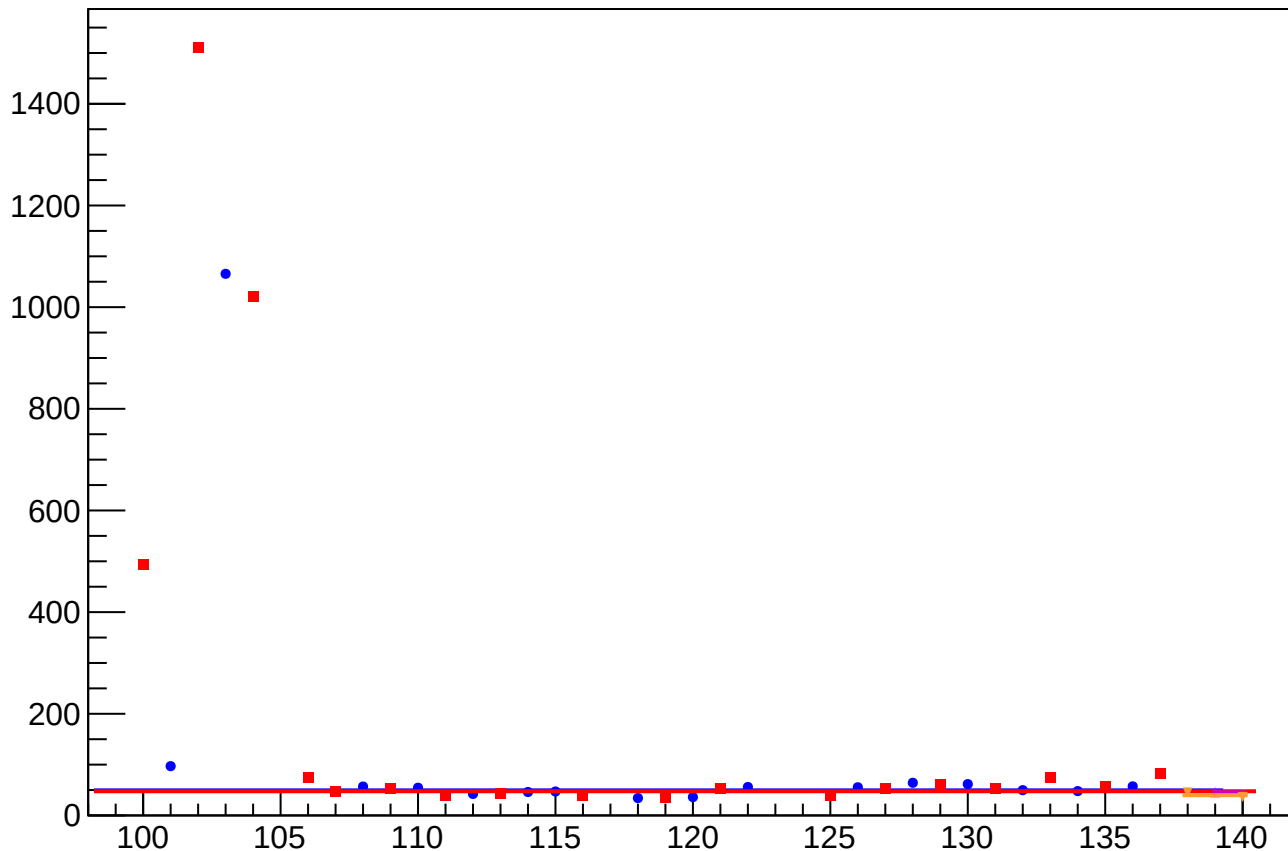
Left In: 0.089 ± 0.053 χ^2/NDF : 0.0/0

+ sign 0.032 ± 0.018 χ^2/NDF : 26.4/17

All: 0.022 ± 0.013 χ^2/NDF : 40.3/36

- sign 0.009 ± 0.020 χ^2/NDF : 13.2/18

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF : 1776998.3/15

Left Out: 39.896+/-0.024 χ^2/NDF : 32021.8/1

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

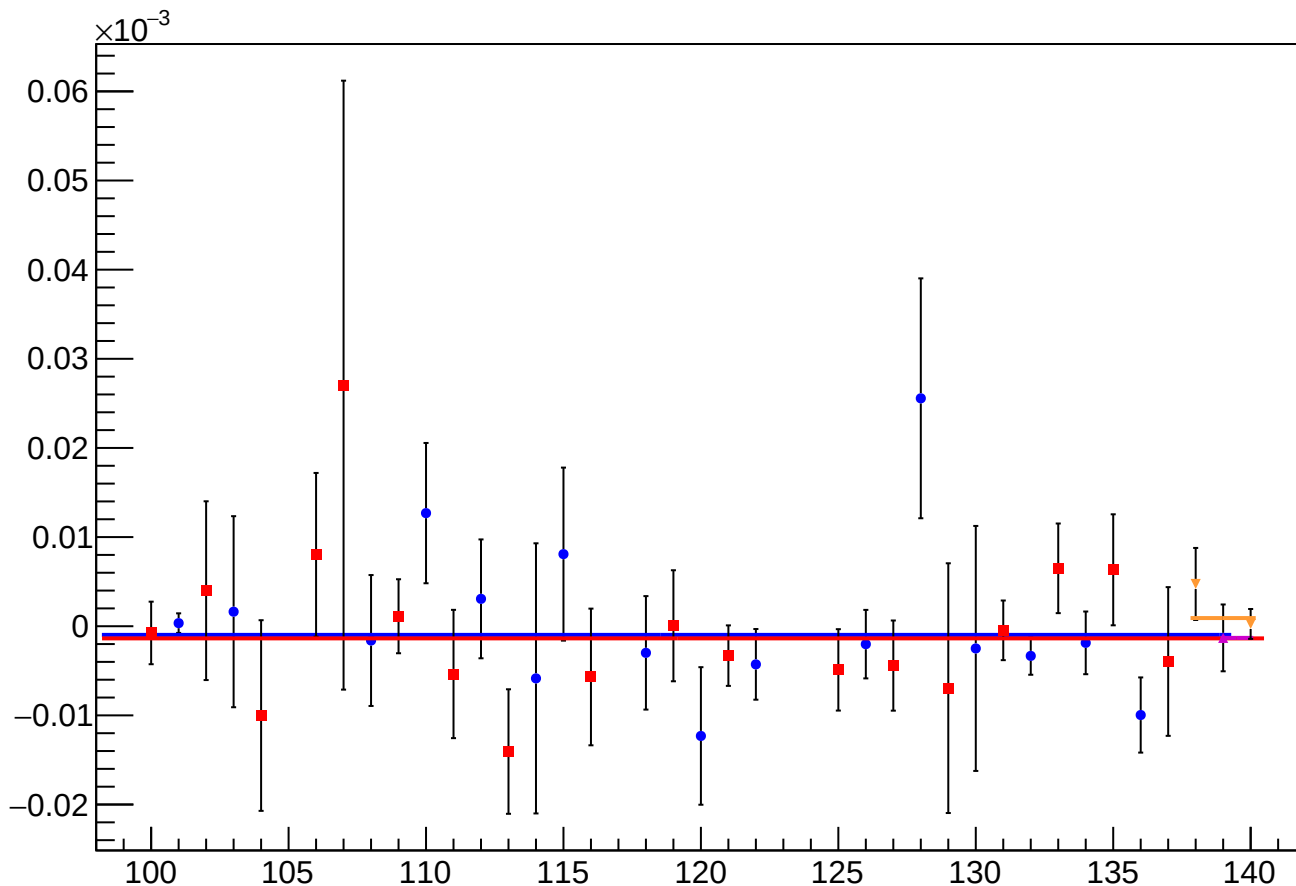
Left In: 45.605+/-0.037 χ^2/NDF : 0.0/0

+ sign 46.798+/-0.013 χ^2/NDF : 1917970.9/17

All: 47.030+/-0.009 χ^2/NDF : 4339379.1/36

- sign 47.317+/-0.014 χ^2/NDF : 2420657.5/18

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

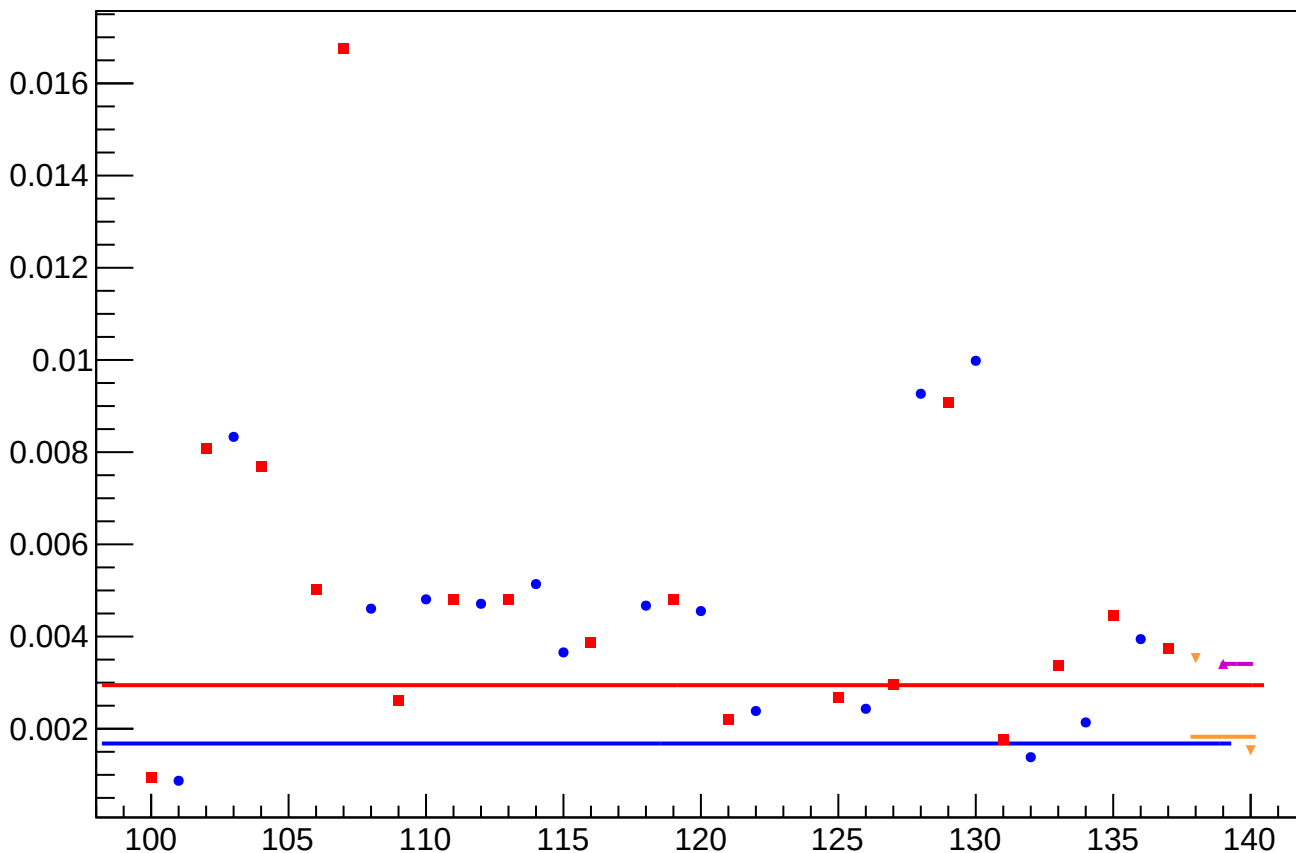
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/18

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF : 417199.8/1

Right Out: 0.003+/-0.000 χ^2/NDF : 3379848.5/17

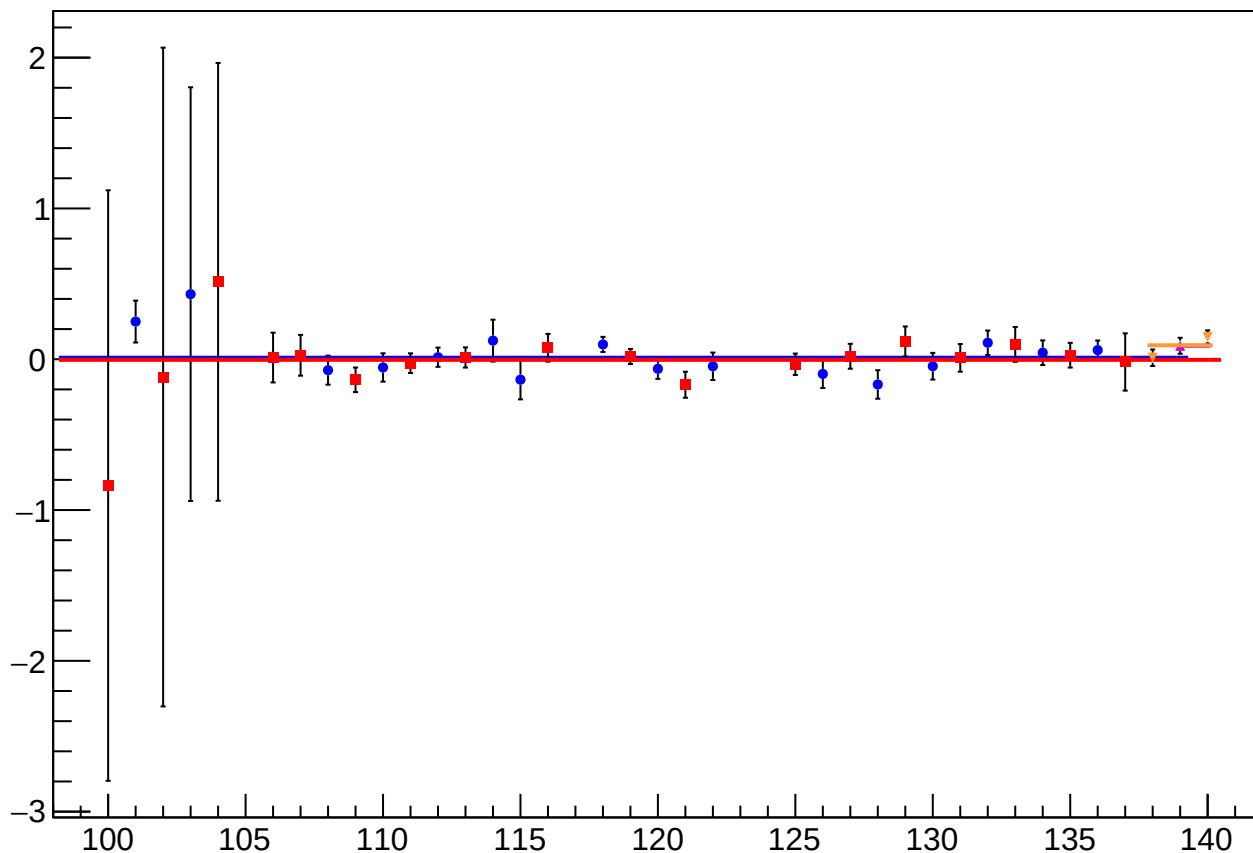
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 6391309.9/17

All: 0.002+/-0.000 χ^2/NDF : 11423247.3/36

- sign 0.003+/-0.000 χ^2/NDF : 3406914.8/18

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.093 $\pm$ 0.035 χ^2 /NDF:3.8/1

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

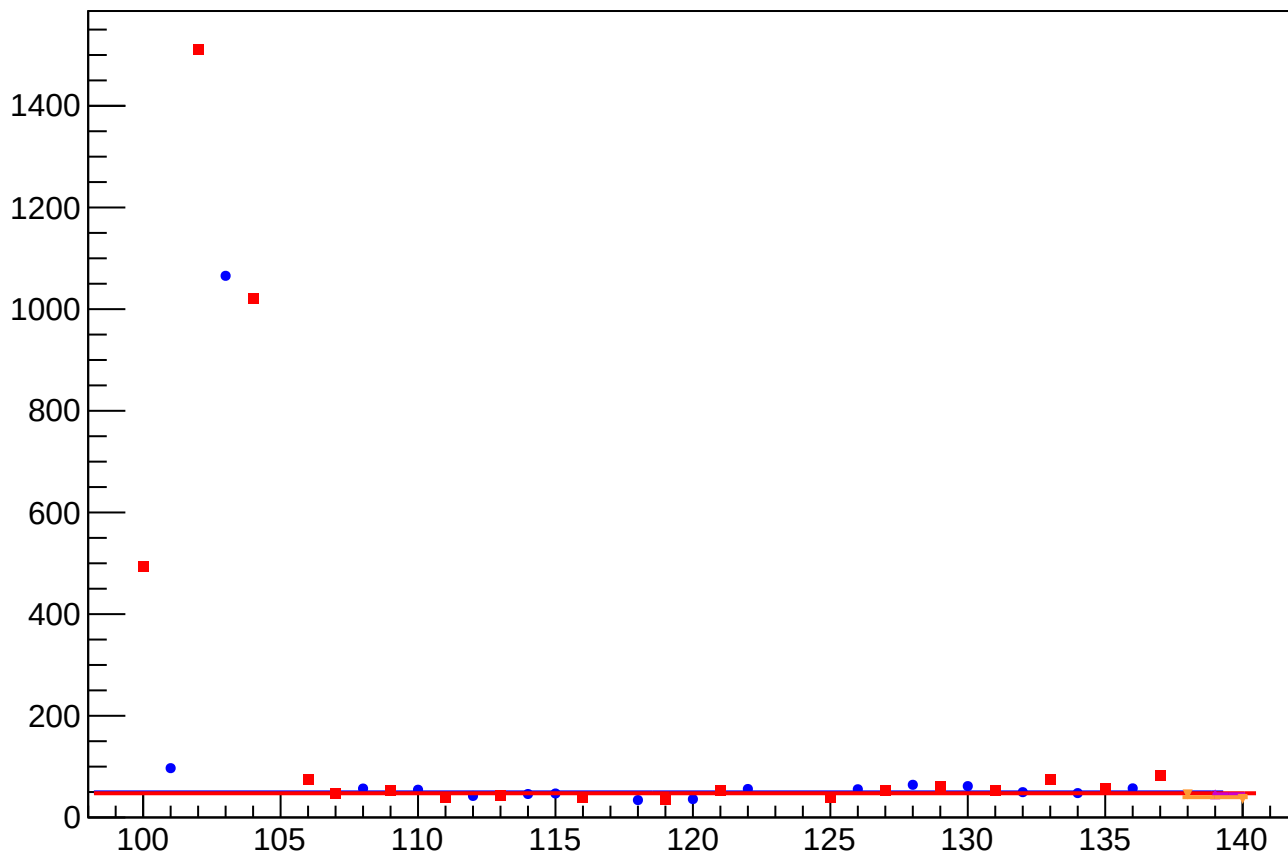
Left In: 0.089 $\pm$ 0.053 χ^2 /NDF:0.0/0

+ sign 0.032 $\pm$ 0.018 χ^2 /NDF: 26.4/17

All: 0.022 $\pm$ 0.013 χ^2 /NDF: 40.3/36

- sign 0.009 $\pm$ 0.020 χ^2 /NDF: 13.2/18

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF : 1776926.6/15

Left Out: 39.896+/-0.024 χ^2/NDF : 32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

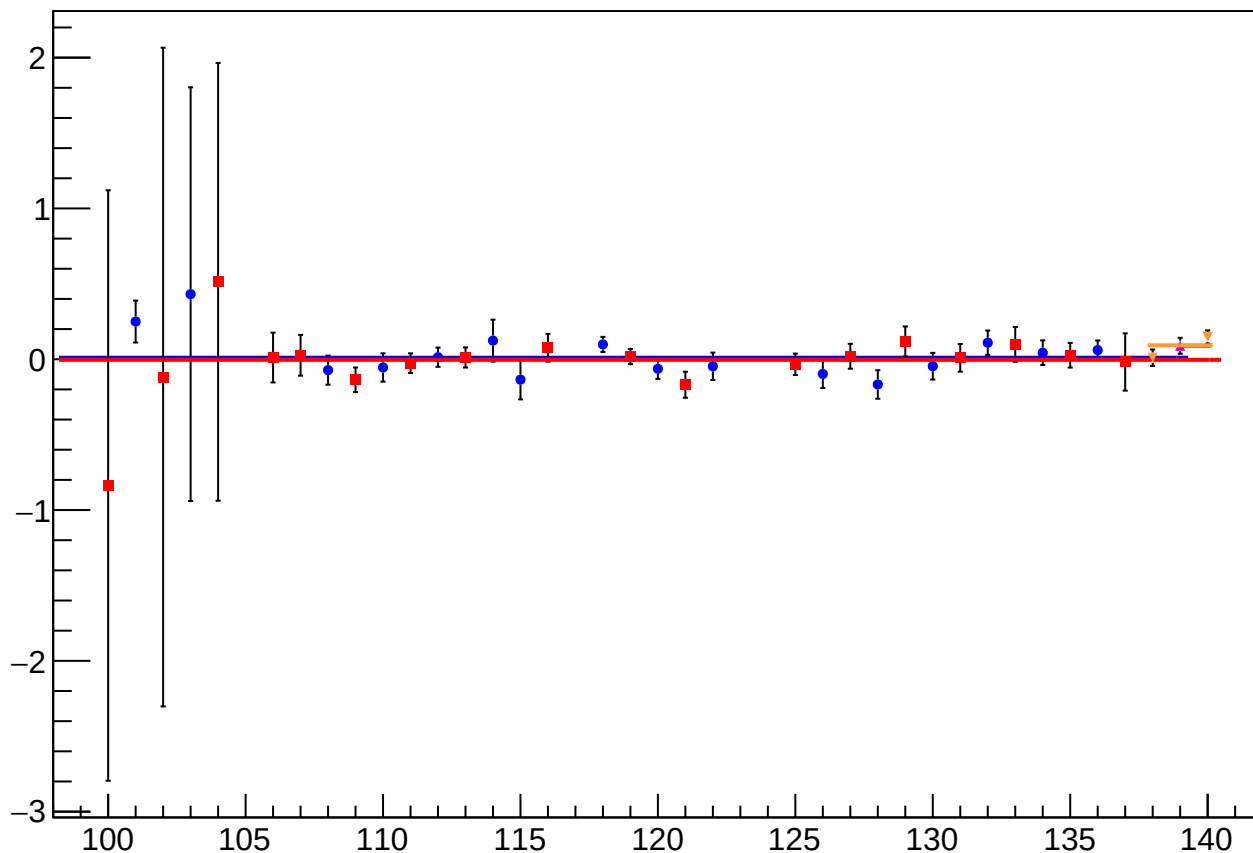
Left In: 45.605+/-0.037 χ^2/NDF : 0.0/0

+ sign 46.798+/-0.013 χ^2/NDF : 1917908.1/17

All: 47.030+/-0.009 χ^2/NDF : 4339346.9/36

- sign 47.316+/-0.014 χ^2/NDF : 2420691.5/18

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.093 $\pm$ 0.035 χ^2 /NDF:3.8/1

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

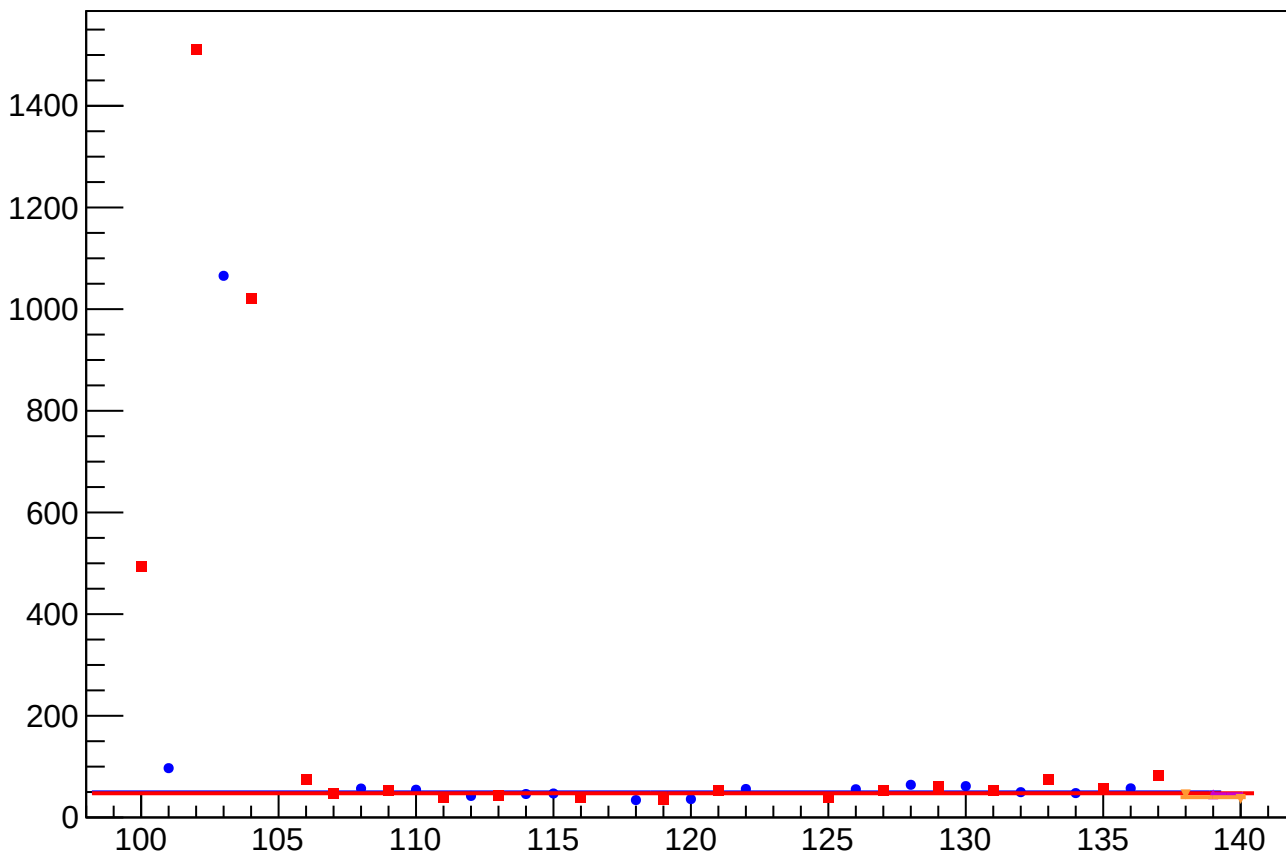
Left In: 0.089 $\pm$ 0.053 χ^2 /NDF:0.0/0

+ sign 0.032 $\pm$ 0.018 χ^2 /NDF: 26.4/17

All: 0.022 $\pm$ 0.013 χ^2 /NDF: 40.3/36

- sign 0.009 $\pm$ 0.020 χ^2 /NDF: 13.2/18

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: 39.896+/-0.024 χ^2/NDF : 32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

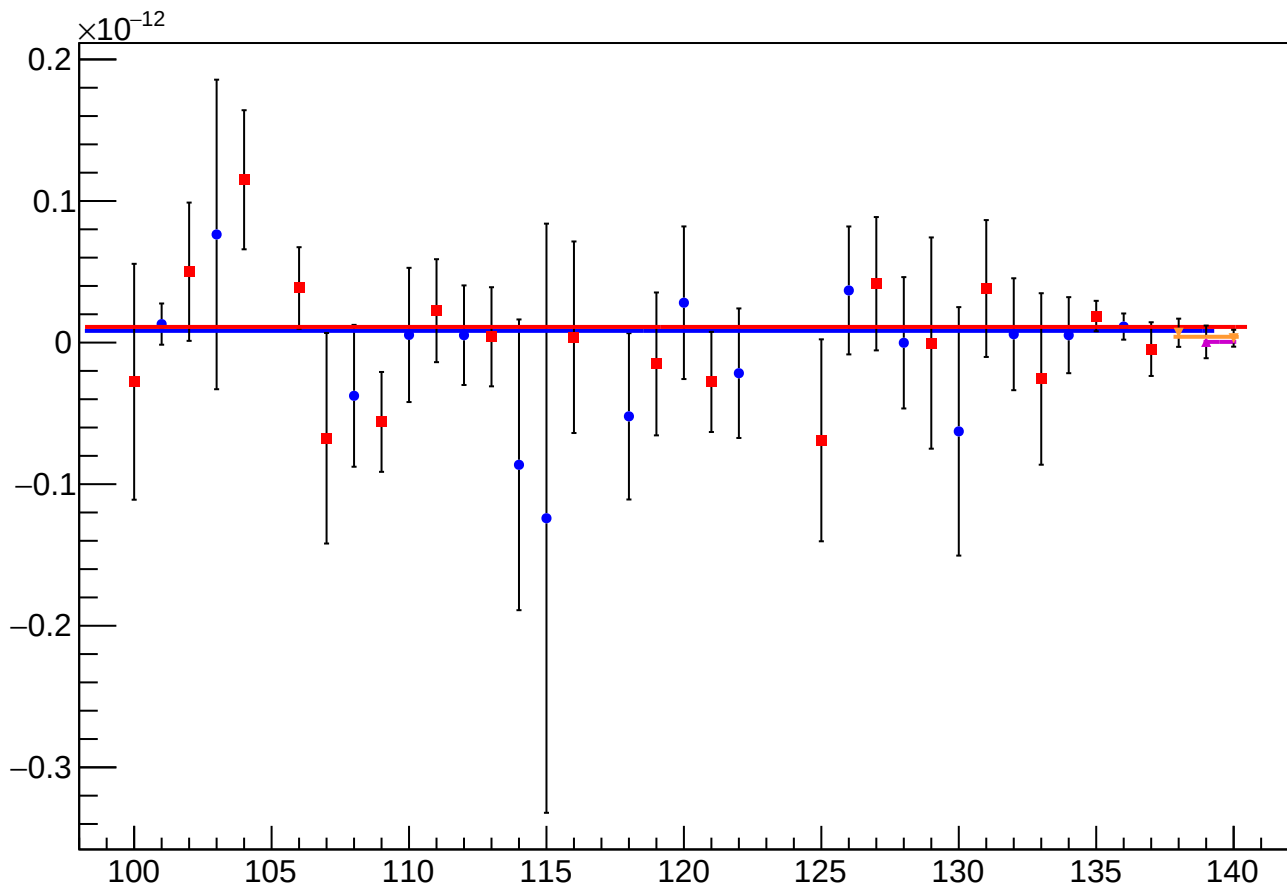
Left In: 45.605+/-0.037 χ^2/NDF : 0.0/0

+ sign 46.798+/-0.013 χ^2/NDF : 1917908.1/17

All: 47.030+/-0.009 χ^2/NDF : 4339346.9/36

- sign 47.316+/-0.014 χ^2/NDF : 2420691.5/18

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/17

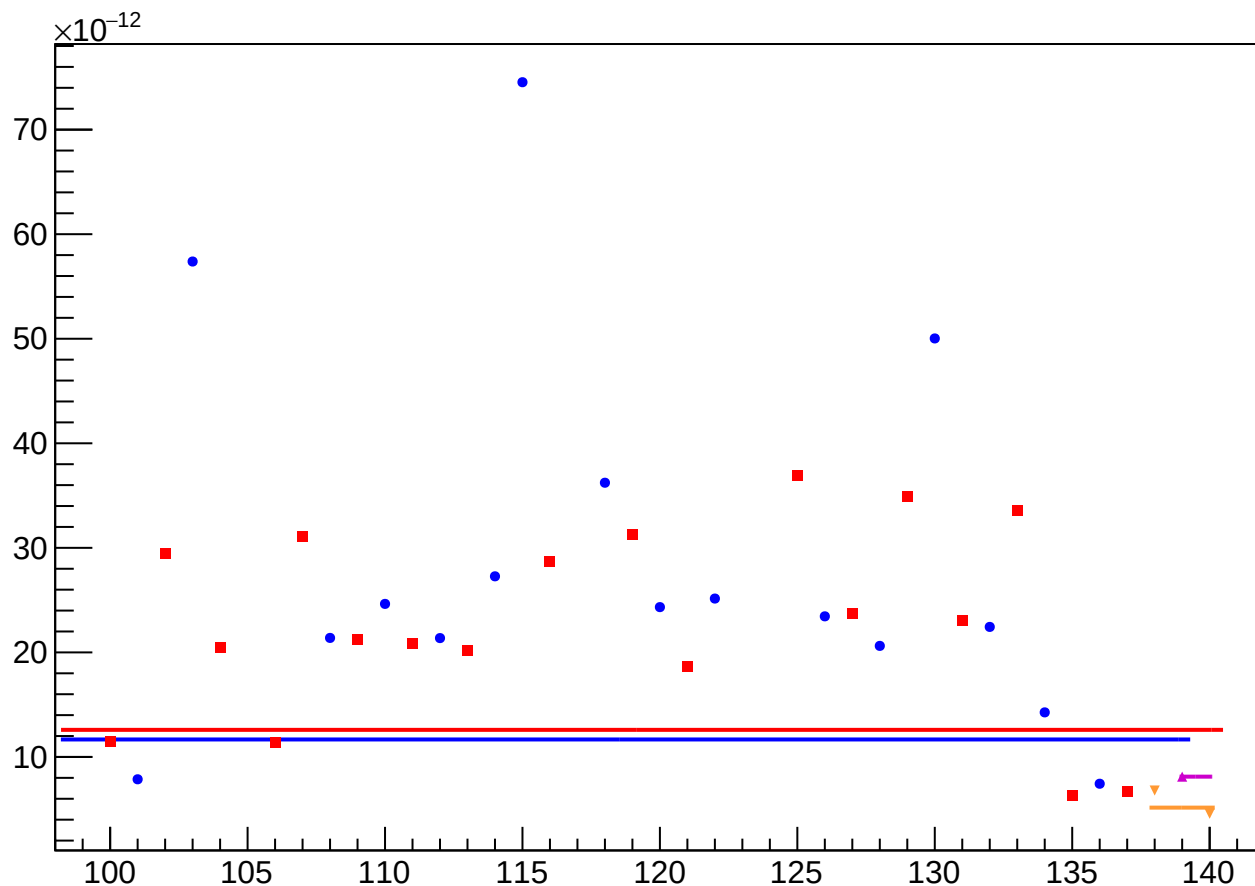
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.7/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/18

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2905247.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 73149.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2923298.3/17

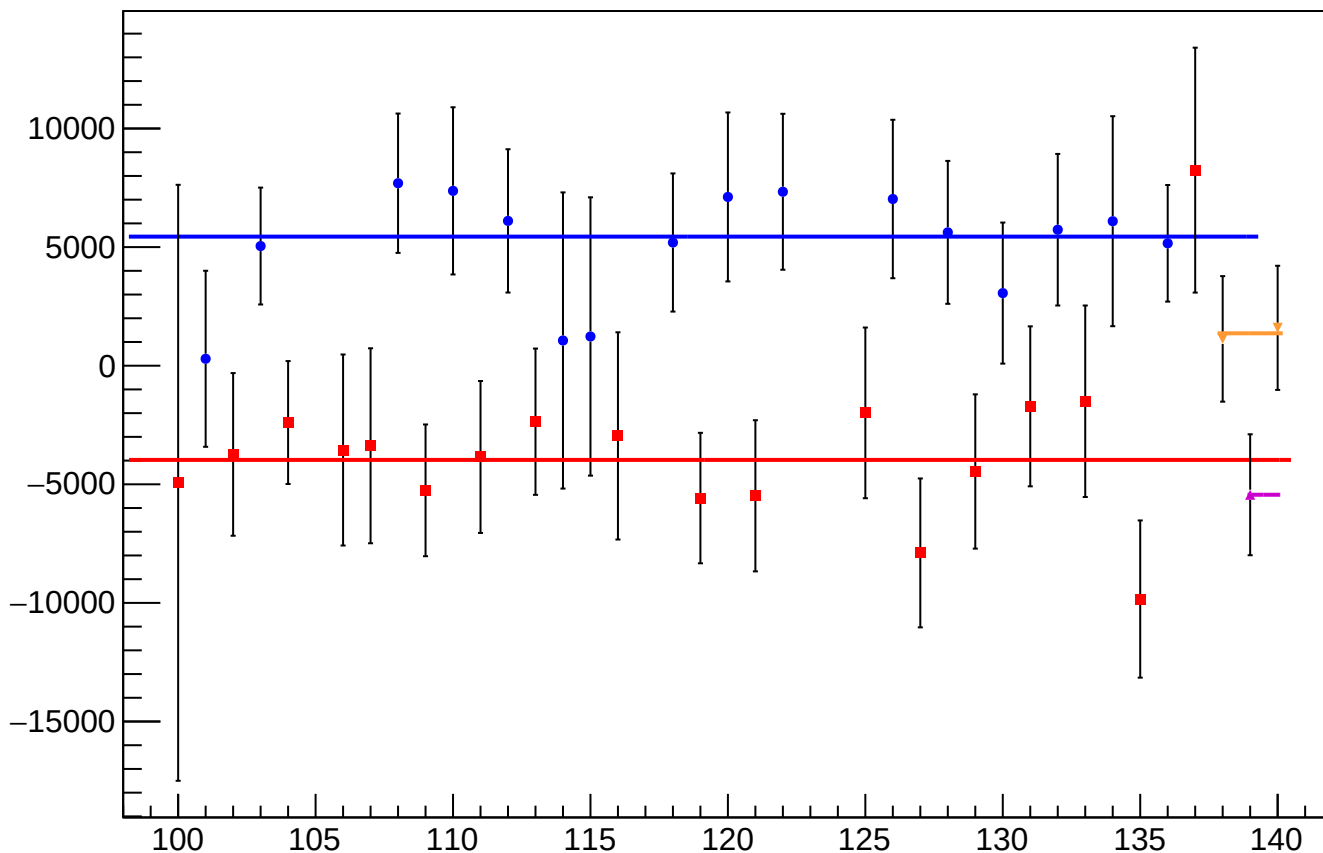
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4181169.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7843582.5/36

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3139698.9/18

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF : 5.4/15

Left Out: 1366.188+/-1860.557 χ^2/NDF : 0.0/1

Right Out: -3971.728+/-809.023 χ^2/NDF : 13.0/17

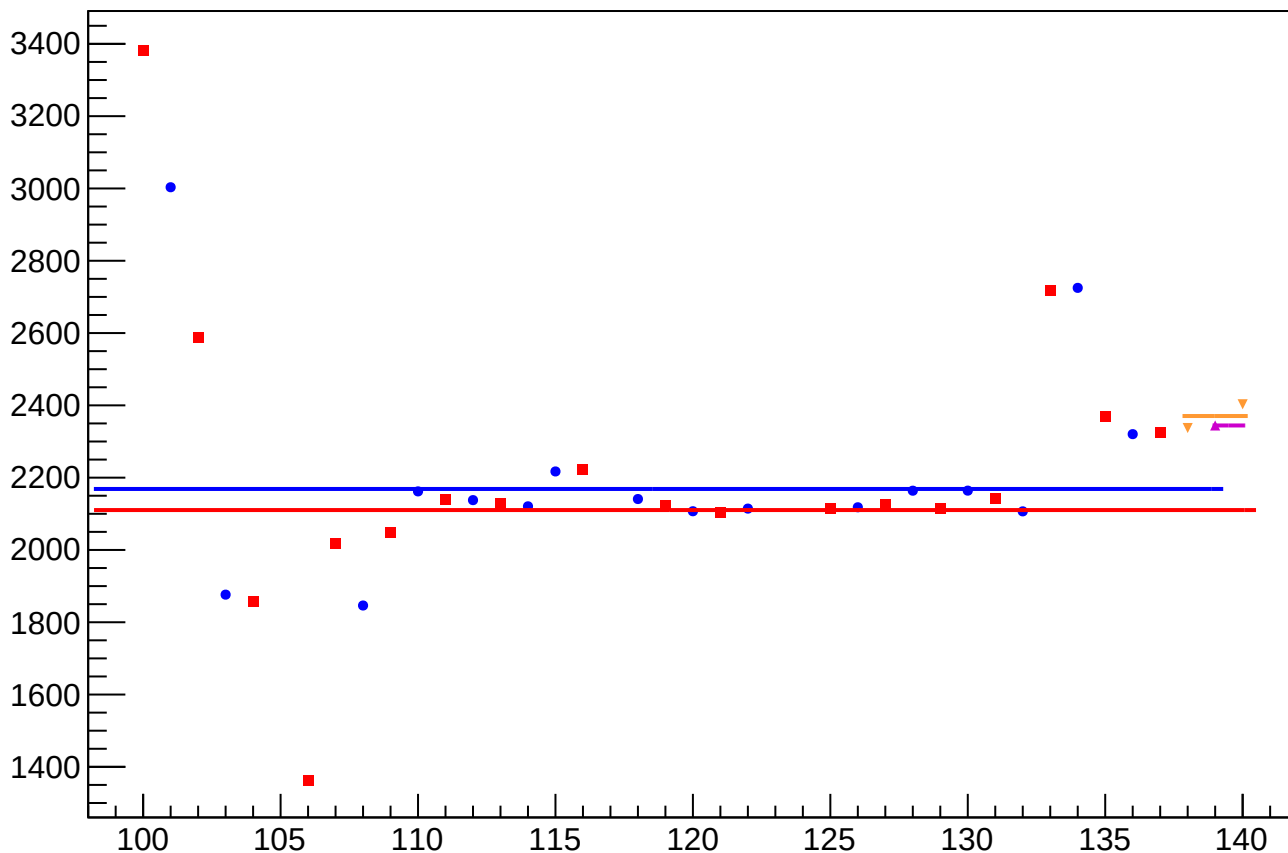
Left In: -5440.339+/-2549.555 χ^2/NDF : 0.0/0

+ sign 4789.451+/-744.623 χ^2/NDF : 9.4/17

All: 497.207+/-535.654 χ^2/NDF : 91.5/36

- sign -4106.077+/-771.131 χ^2/NDF : 13.3/18

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 0.575 χ^2 /NDF: 195659.5/15

Left Out: 2370.505 $\pm$ 1.316 χ^2 /NDF: 622.6/1

Right Out: 2110.365 $\pm$ 0.563 χ^2 /NDF: 267413.4/17

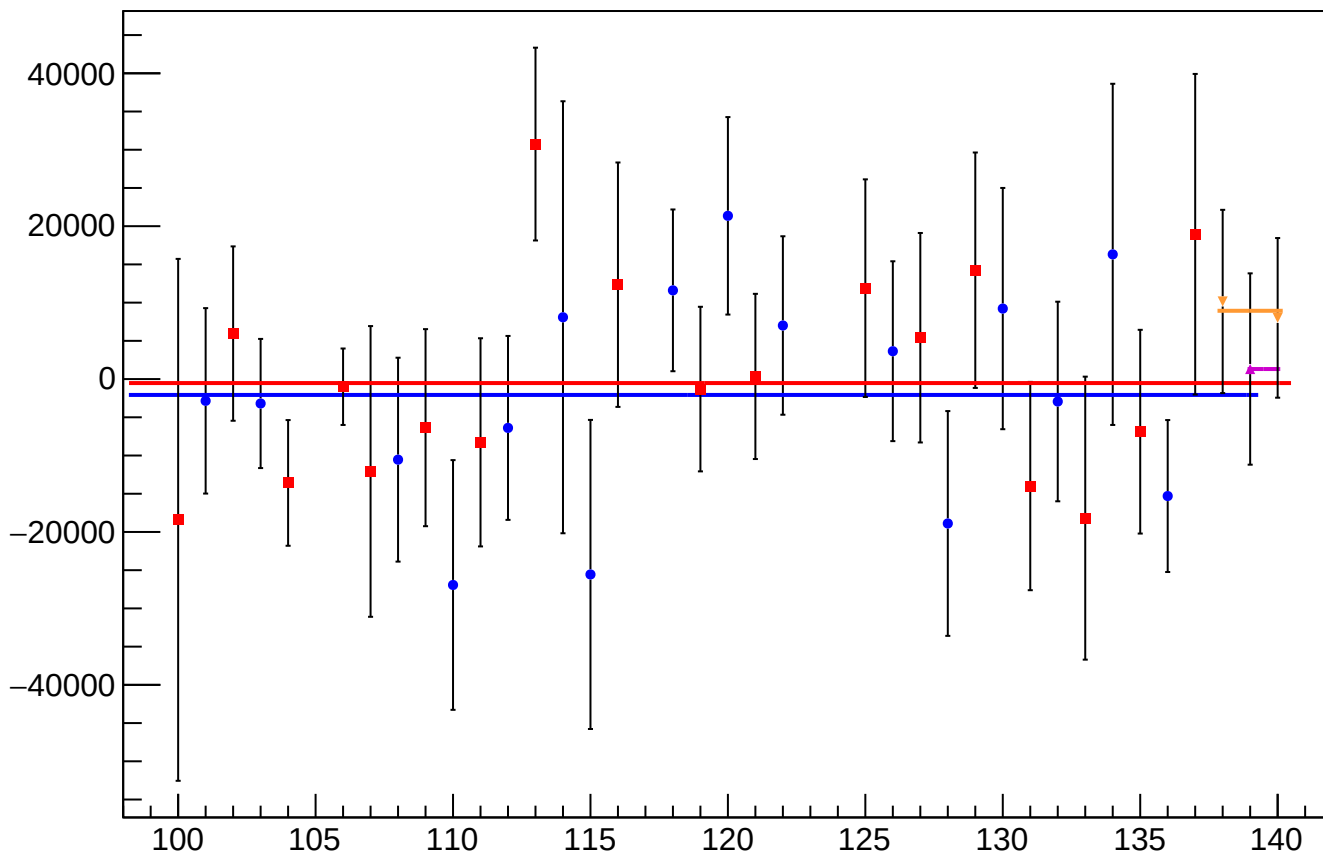
Left In: 2344.359 $\pm$ 1.803 χ^2 /NDF: 0.0/0

+ sign 2201.037 $\pm$ 0.527 χ^2 /NDF: 216039.6/17

All: 2166.809 $\pm$ 0.376 χ^2 /NDF: 507430.1/36

- sign 2131.156 $\pm$ 0.537 χ^2 /NDF: 282763.1/18

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug



Right In: -2074.843+/-3212.093 χ^2/NDF : 14.4/15

Left Out: 8933.099+/-7873.458 χ^2/NDF : 0.0/1

Right Out: -521.454+/-2715.587 χ^2/NDF : 15.7/17

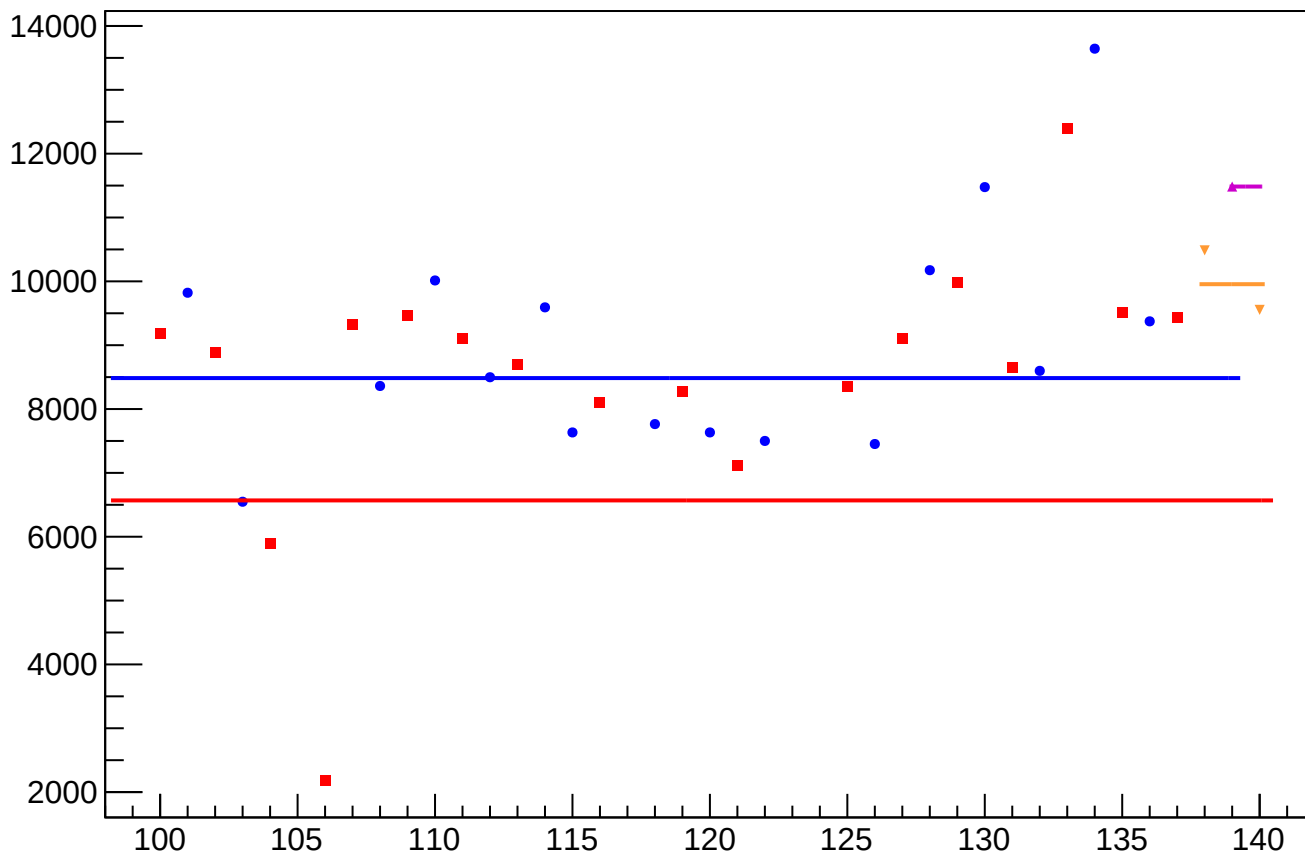
Left In: 1314.941+/-12514.271 χ^2/NDF : 0.0/0

+ sign -504.152+/-2974.115 χ^2/NDF : 16.1/17

All: -467.807+/-1980.128 χ^2/NDF : 31.8/36

- sign -438.869+/-2653.823 χ^2/NDF : 15.7/18

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: 9955.629+/-5.567 χ^2/NDF : 6876.5/1

Right Out: 6568.711+/-1.920 χ^2/NDF : 2568887.0/17

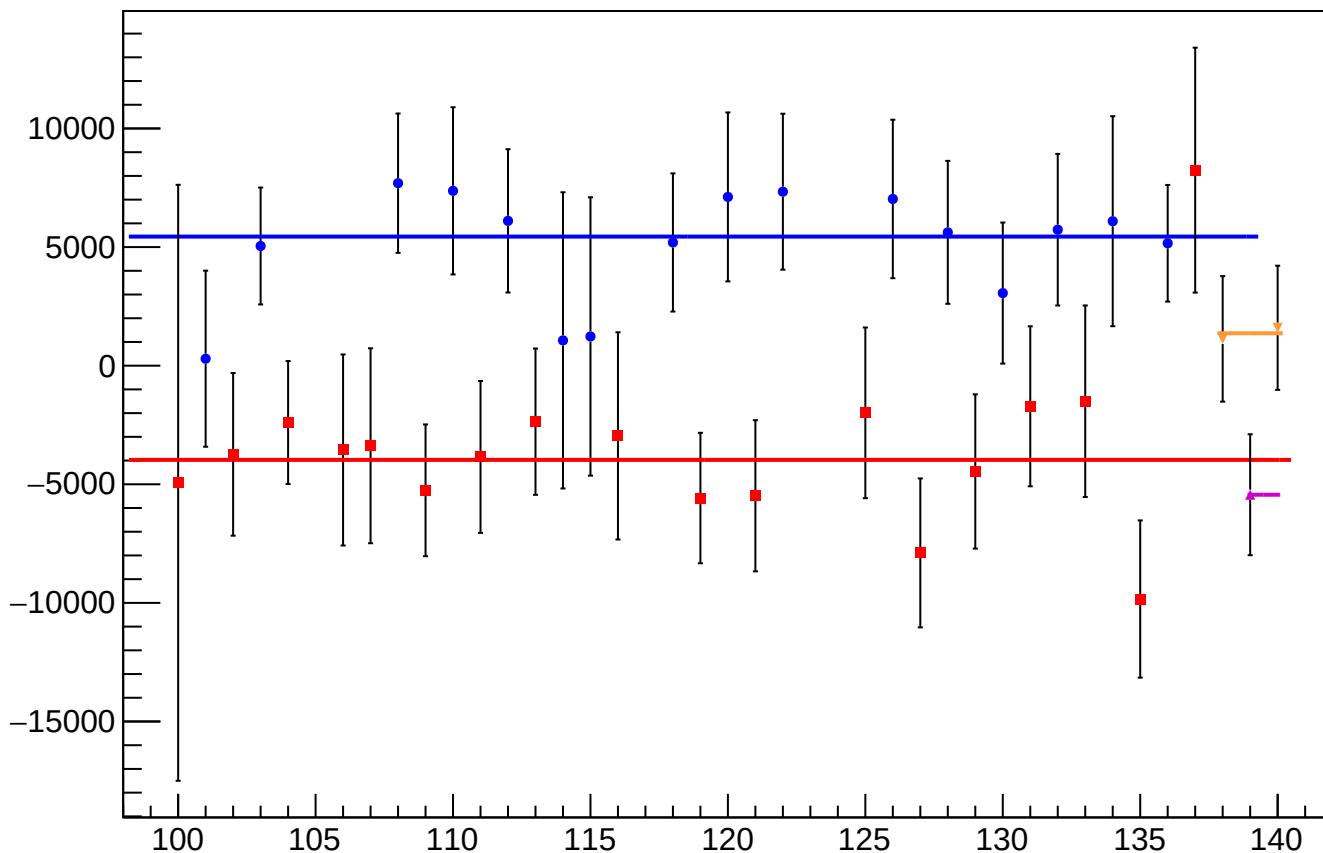
Left In: 11485.026+/-8.849 χ^2/NDF : 0.0/0

+ sign 8694.840+/-2.103 χ^2/NDF : 489402.5/17

All: 7634.253+/-1.400 χ^2/NDF : 3809920.7/30

- sign 6789.802+/-1.877 χ^2/NDF : 2863678.4/18

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF : 5.4/15

Left Out: 1366.457+/-1860.557 χ^2/NDF : 0.0/1

Right Out: -3971.470+/-809.023 χ^2/NDF : 13.0/17

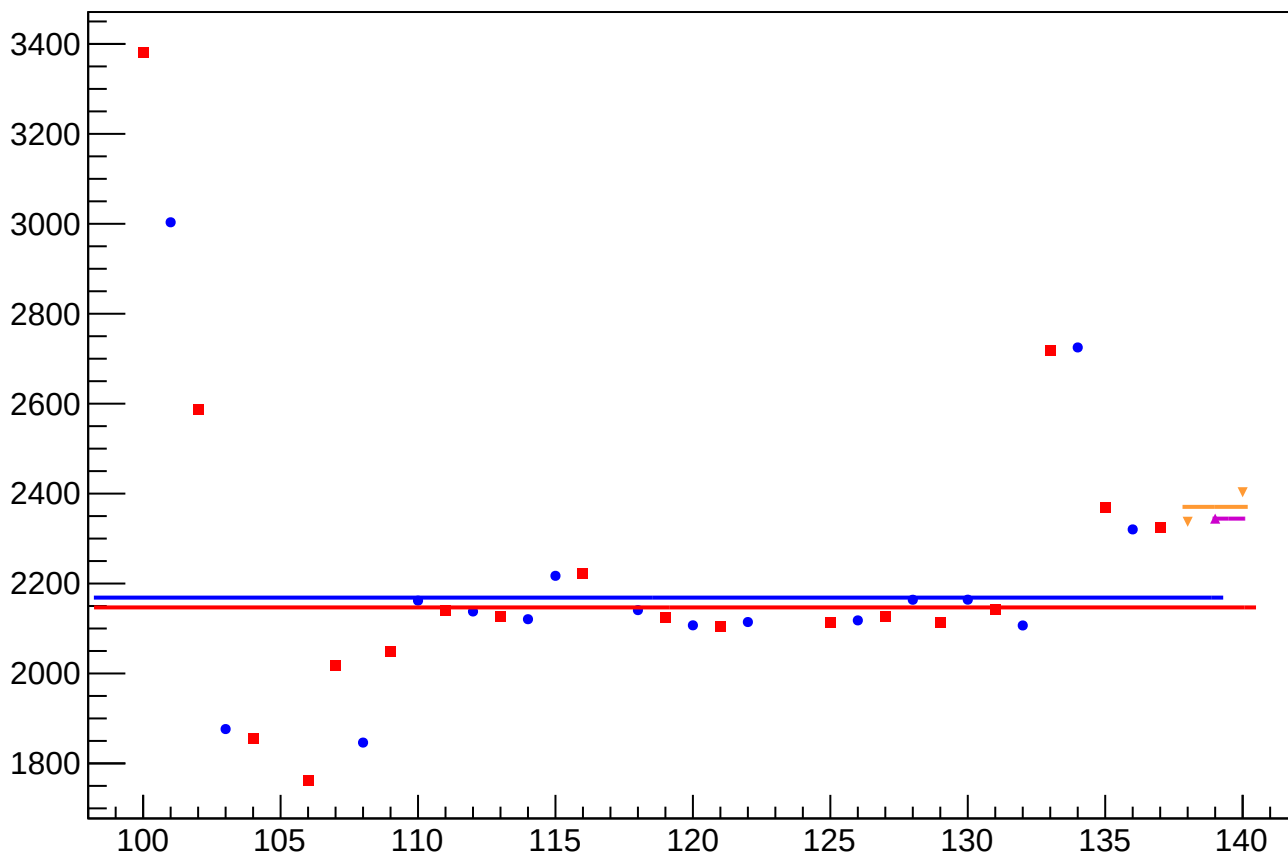
Left In: -5440.435+/-2549.555 χ^2/NDF : 0.0/0

+ sign 4789.613+/-744.623 χ^2/NDF : 9.4/17

All: 497.400+/-535.654 χ^2/NDF : 91.5/36

- sign -4105.851+/-771.131 χ^2/NDF : 13.3/18

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 0.575 χ^2 /NDF: 195659.8/15

Left Out: 2370.505 $\pm$ 1.316 χ^2 /NDF: 622.6/1

Right Out: 2146.888 $\pm$ 0.569 χ^2 /NDF: 157750.7/17

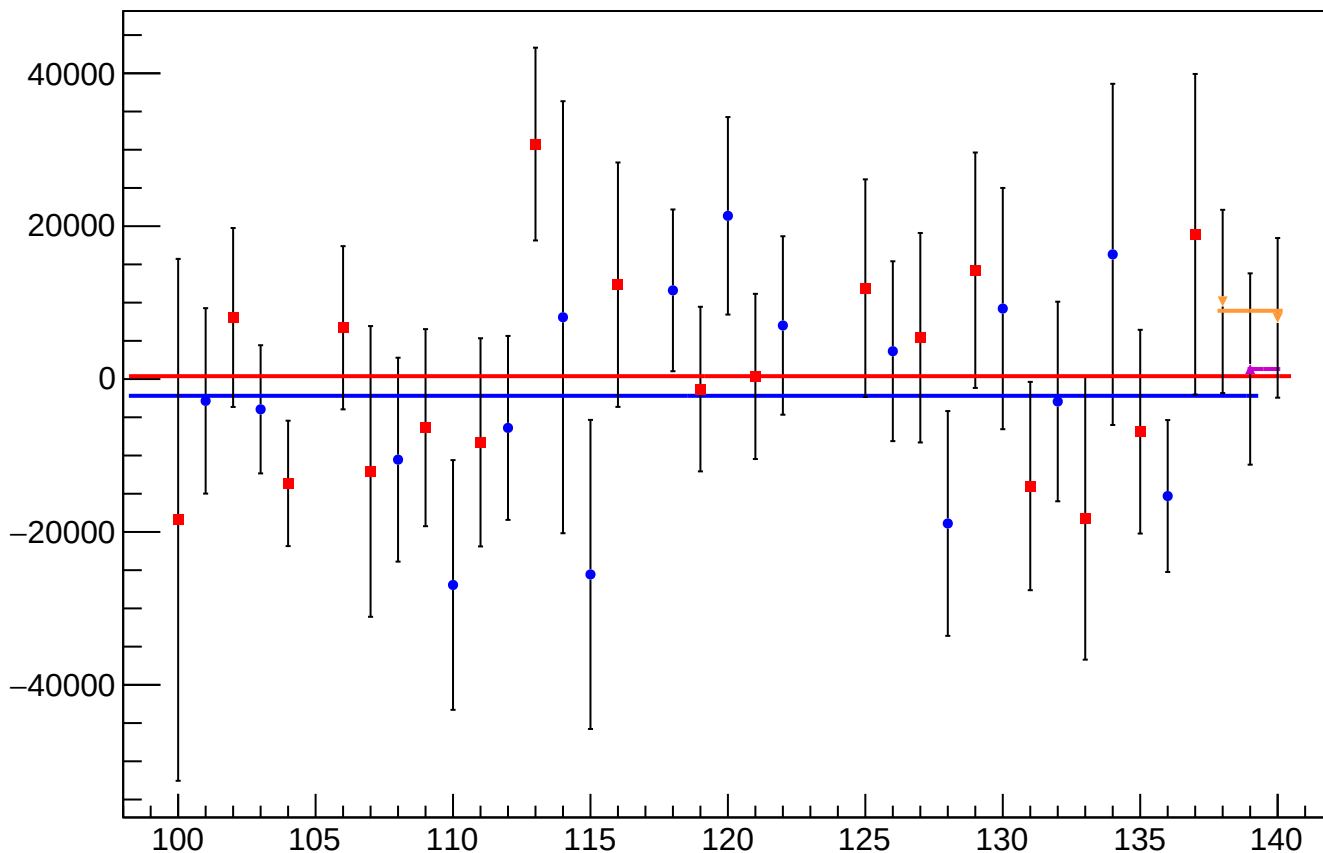
Left In: 2344.359 $\pm$ 1.803 χ^2 /NDF: 0.0/0

+ sign 2201.036 $\pm$ 0.527 χ^2 /NDF: 216040.0/17

All: 2183.465 $\pm$ 0.378 χ^2 /NDF: 386998.4/36

- sign 2164.790 $\pm$ 0.543 χ^2 /NDF: 168661.0/18

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -2189.256 ± 3208.524 χ^2/NDF : 14.5/15

Left Out: 8933.390 ± 7873.447 χ^2/NDF : 0.0/1

Right Out: 379.236 ± 3099.953 χ^2/NDF : 16.3/17

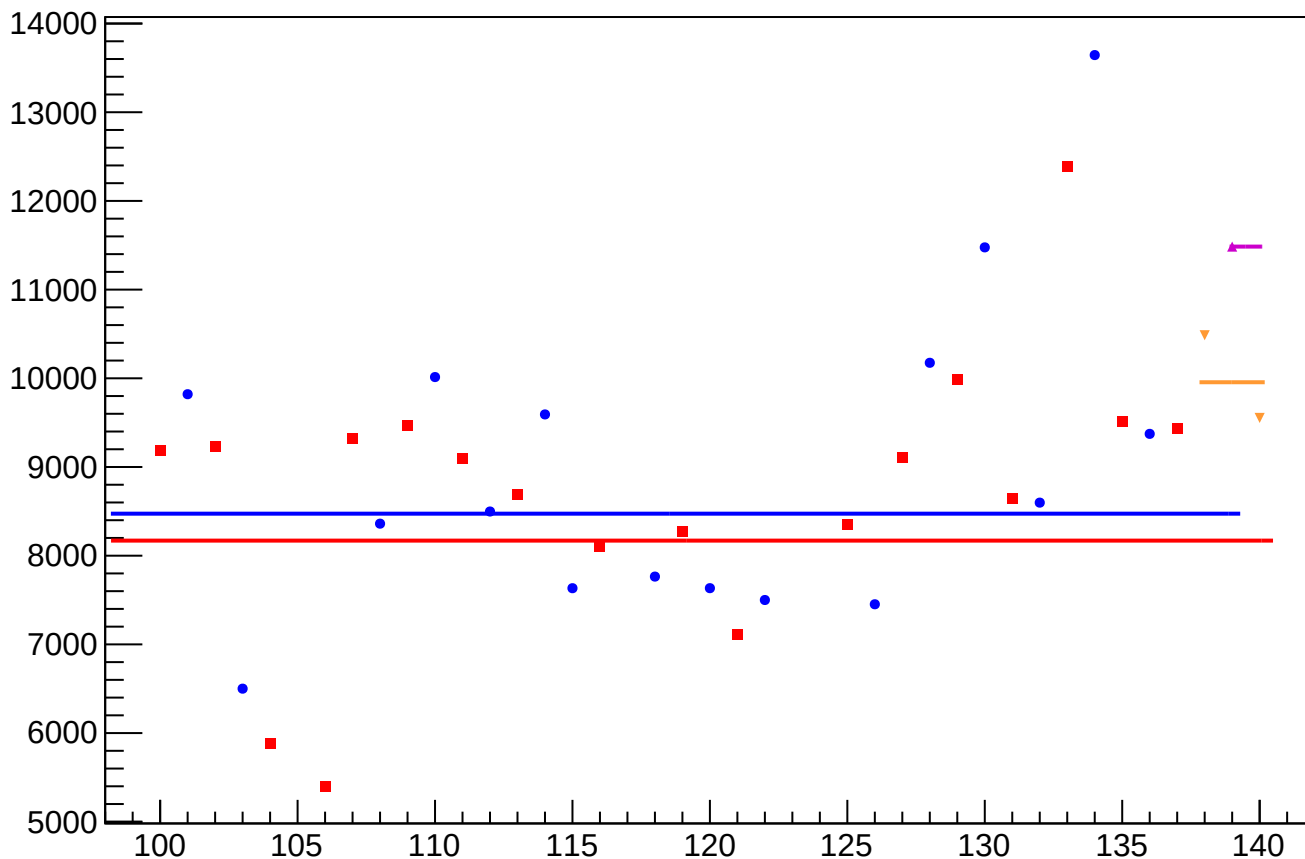
Left In: 1314.872 ± 12514.267 χ^2/NDF : 0.0/0

+ sign -605.218 ± 2971.281 χ^2/NDF : 16.2/17

All: -92.496 ± 2114.225 χ^2/NDF : 32.6/36

- sign 433.330 ± 3009.008 χ^2/NDF : 16.3/18

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 8473.743+/-2.269 χ^2/NDF : 429547.3/15

Left Out: 9955.615+/-5.567 χ^2/NDF : 6876.9/1

Right Out: 8170.027+/-2.192 χ^2/NDF : 539925.8/17

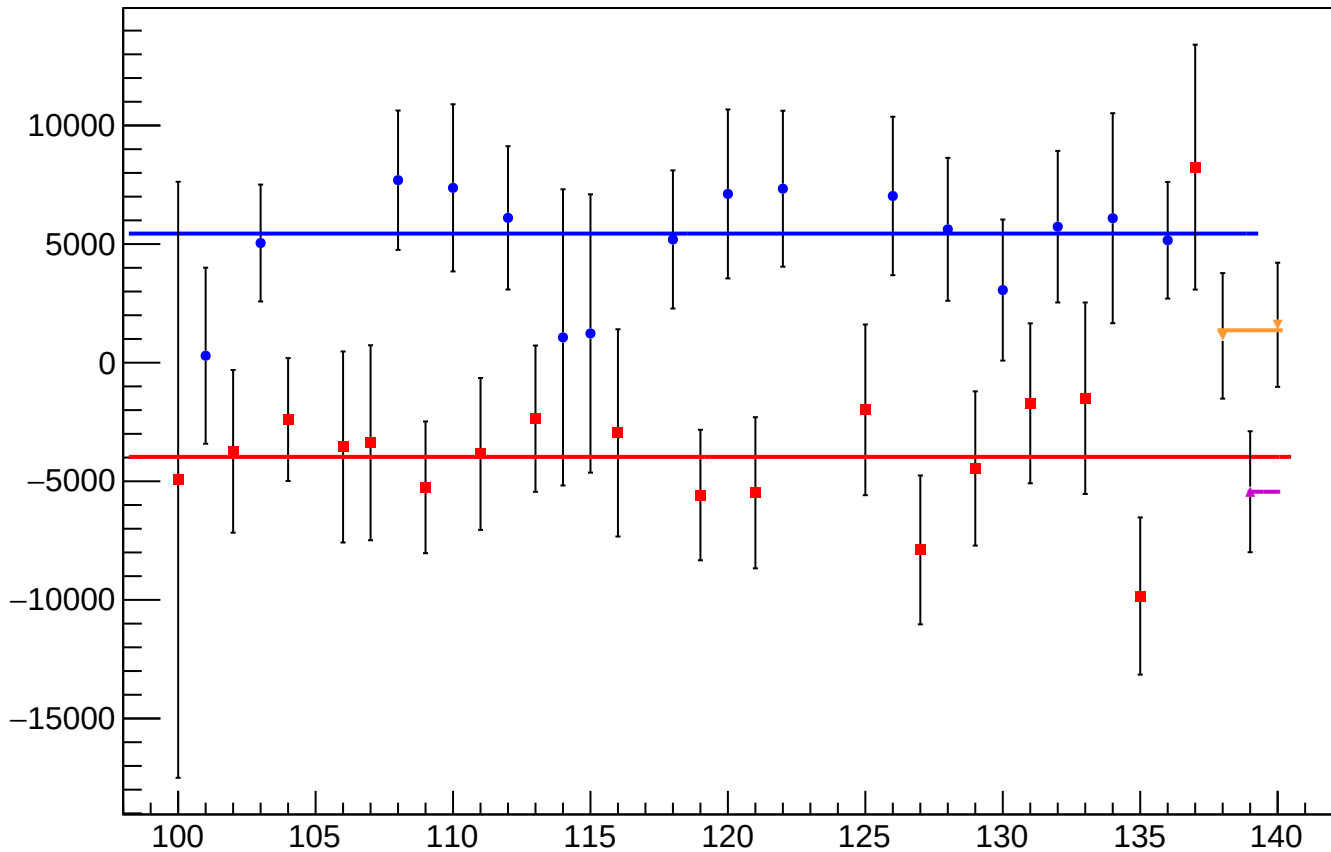
Left In: 11485.021+/-8.849 χ^2/NDF : 0.0/0

+ sign 8684.785+/-2.101 χ^2/NDF : 497181.4/17

All: 8525.271+/-1.495 χ^2/NDF : 1181010.2/30

- sign 8361.682+/-2.128 χ^2/NDF : 672153.1/18

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478 $\pm$ 812.534 χ^2 /NDF: 5.4/15

Left Out: 1366.457 $\pm$ 1860.557 χ^2 /NDF:0.0/1

Right Out: -3971.470 $\pm$ 809.023 χ^2 /NDF: 13.0/17

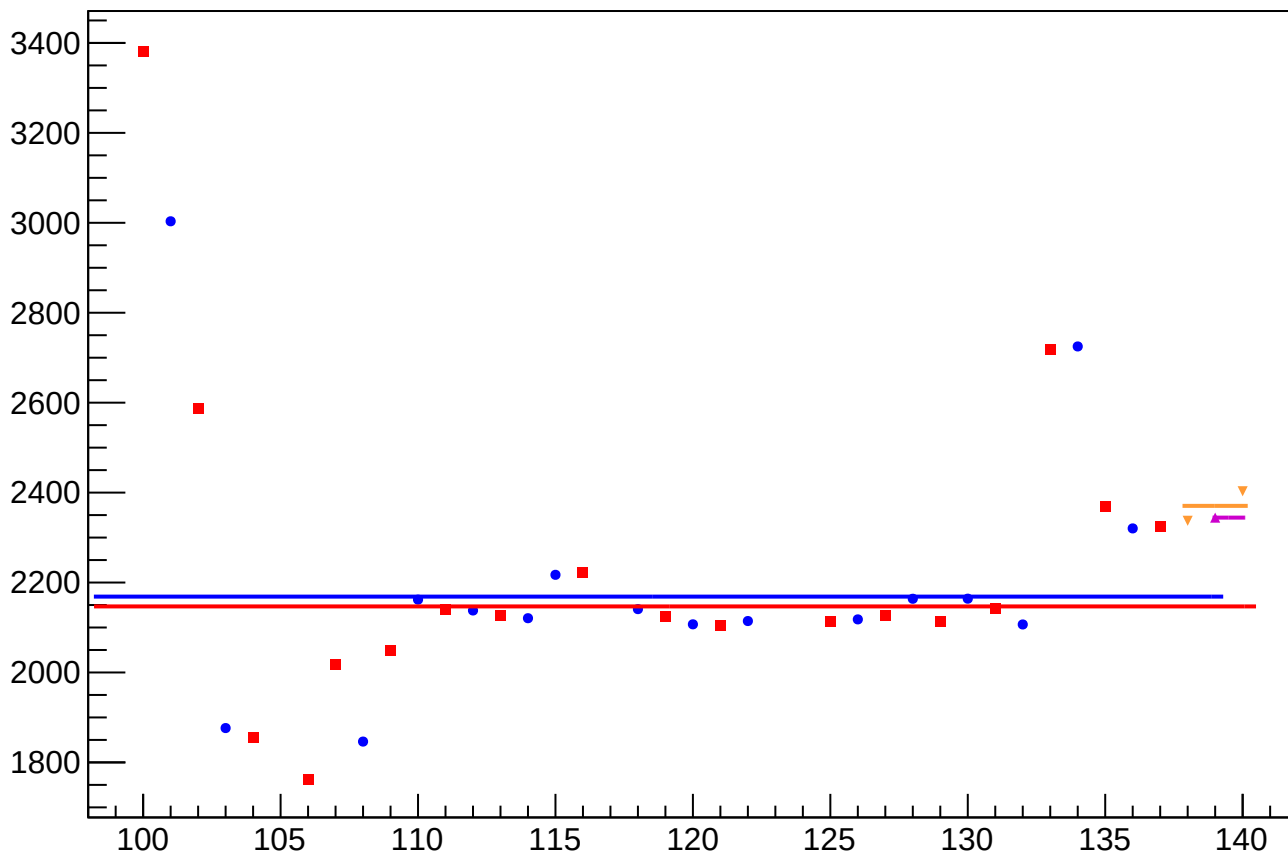
Left In: -5440.435 $\pm$ 2549.555 χ^2 /NDF:0.0/0

+ sign 4789.613 $\pm$ 744.623 χ^2 /NDF: 9.4/17

All: 497.400 $\pm$ 535.654 χ^2 /NDF: 91.5/36

- sign -4105.851 $\pm$ 771.131 χ^2 /NDF: 13.3/18

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 0.575 χ^2 /NDF: 195659.8/15

Left Out: 2370.505 $\pm$ 1.316 χ^2 /NDF: 622.6/1

Right Out: 2146.888 $\pm$ 0.569 χ^2 /NDF: 157750.7/17

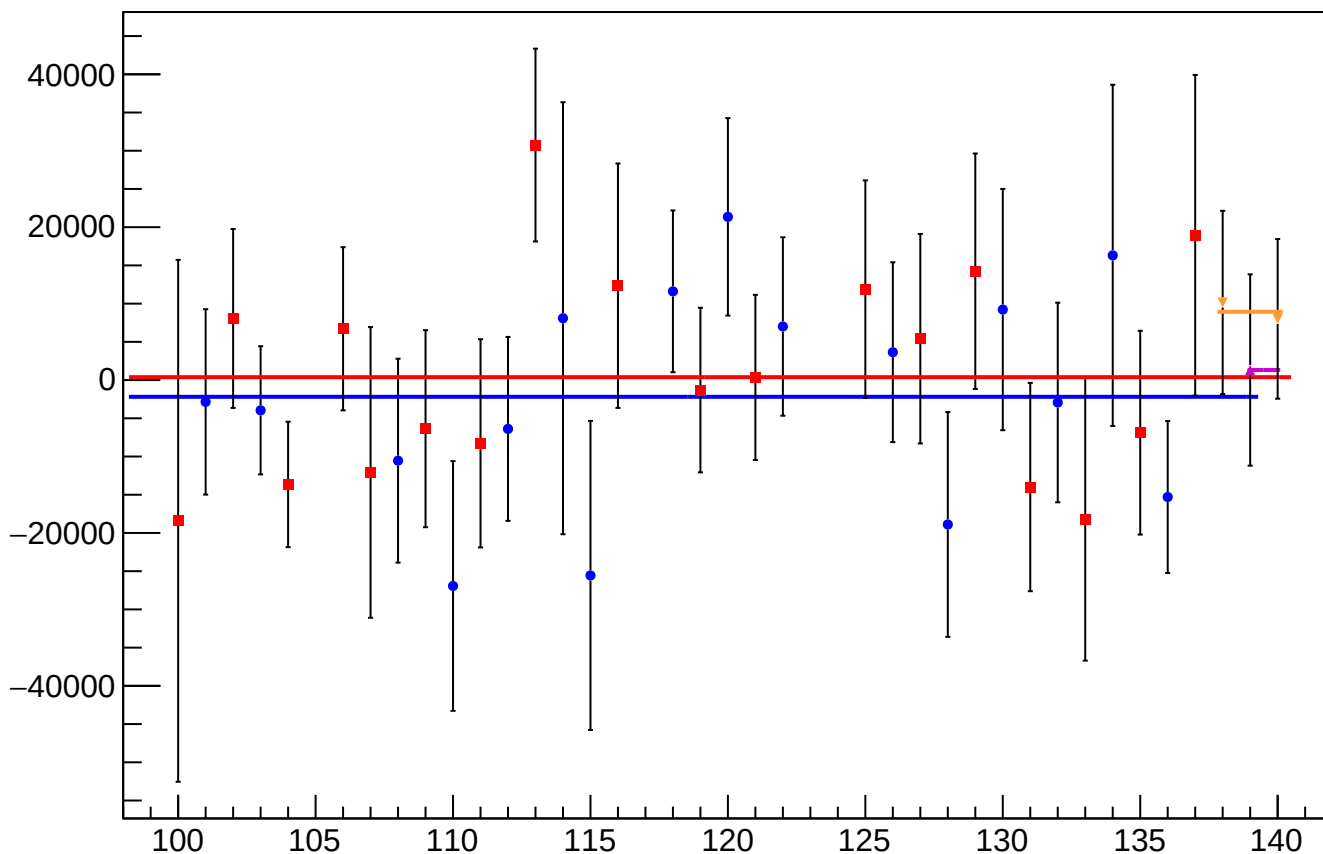
Left In: 2344.359 $\pm$ 1.803 χ^2 /NDF: 0.0/0

+ sign 2201.036 $\pm$ 0.527 χ^2 /NDF: 216040.0/17

All: 2183.465 $\pm$ 0.378 χ^2 /NDF: 386998.4/36

- sign 2164.790 $\pm$ 0.543 χ^2 /NDF: 168661.0/18

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -2189.256 $\pm$ 3208.524 χ^2 /NDF: 14.5/15

Left Out: 8933.390 $\pm$ 7873.447 χ^2 /NDF:0.0/1

Right Out: 379.236 $\pm$ 3099.953 χ^2 /NDF: 16.3/17

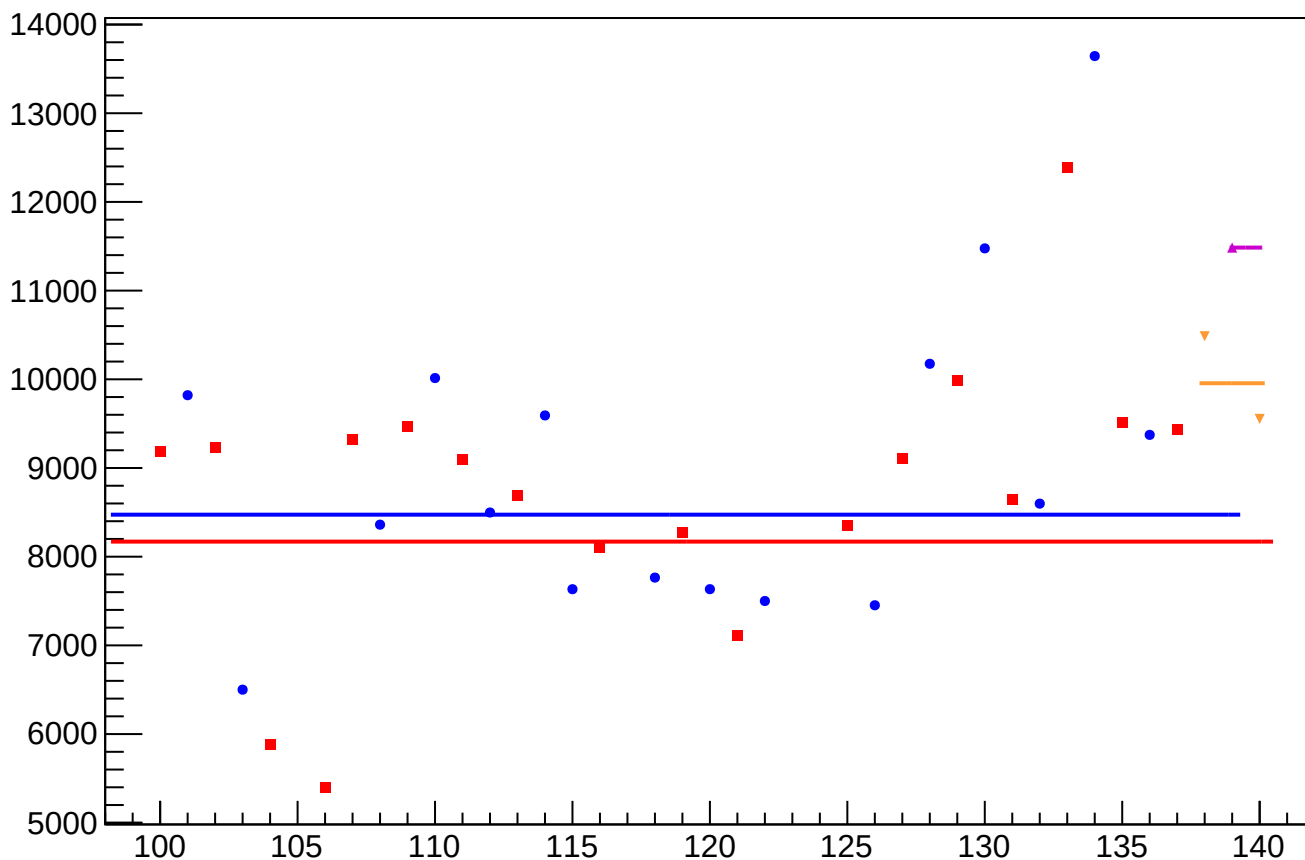
Left In: 1314.872 $\pm$ 12514.267 χ^2 /NDF:0.0/0

+ sign -605.218 $\pm$ 2971.281 χ^2 /NDF: 16.2/17

All: -92.496 $\pm$ 2114.225 χ^2 /NDF: 32.6/36

- sign 433.330 $\pm$ 3009.008 χ^2 /NDF: 16.3/18

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 8473.743+/-2.269 χ^2/NDF : 429547.3/15

Left Out: 9955.615+/-5.567 χ^2/NDF : 6876.9/1

Right Out: 8170.027+/-2.192 χ^2/NDF : 539925.8/17

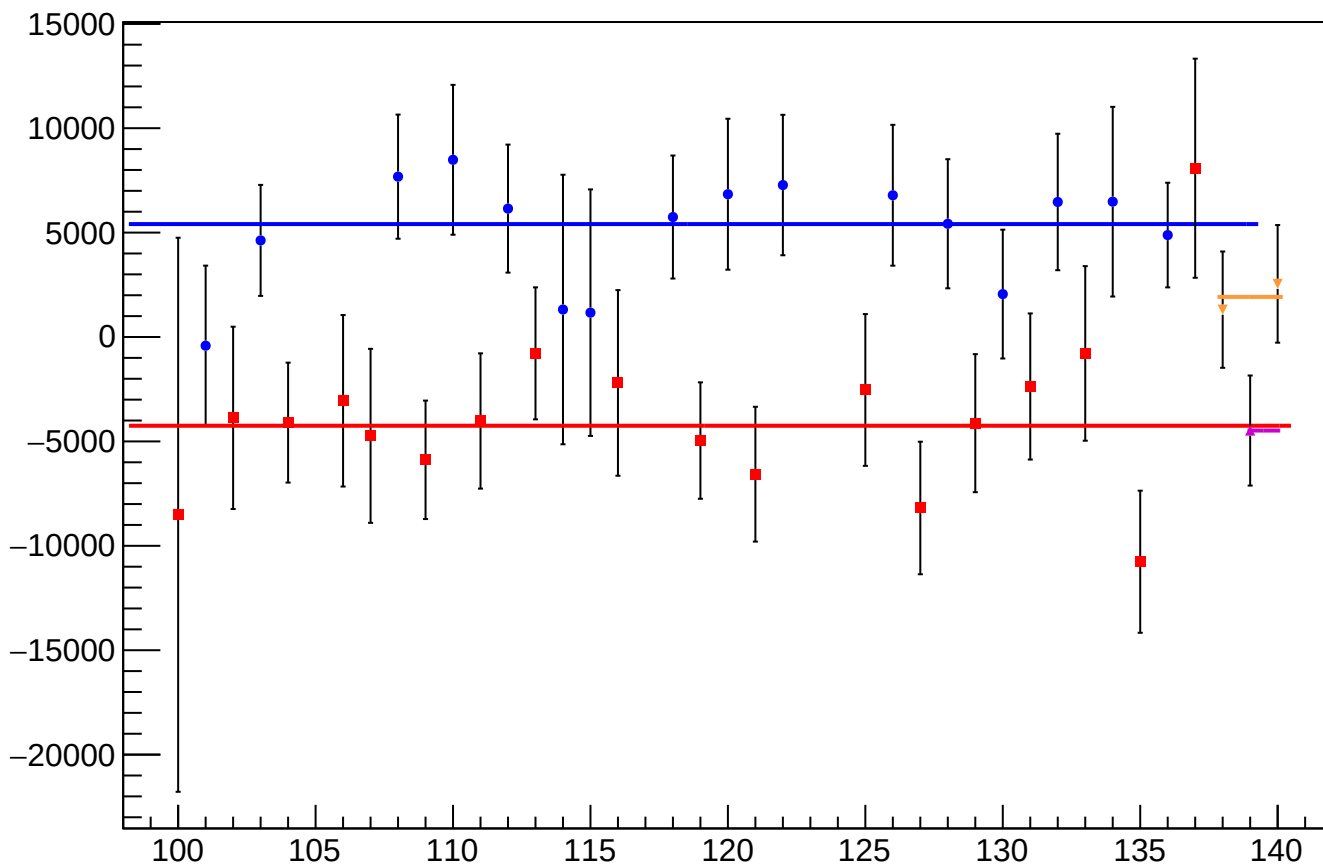
Left In: 11485.021+/-8.849 χ^2/NDF : 0.0/0

+ sign 8684.785+/-2.101 χ^2/NDF : 497181.4/17

All: 8525.271+/-1.495 χ^2/NDF : 1181010.2/36

- sign 8361.682+/-2.128 χ^2/NDF : 672153.1/18

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867 $\pm$ 833.689 χ^2 /NDF: 6.7/15

Left Out: 1920.035 $\pm$ 1980.214 χ^2 /NDF:0.1/1

Right Out: -4249.899 $\pm$ 839.336 χ^2 /NDF: 14.5/17

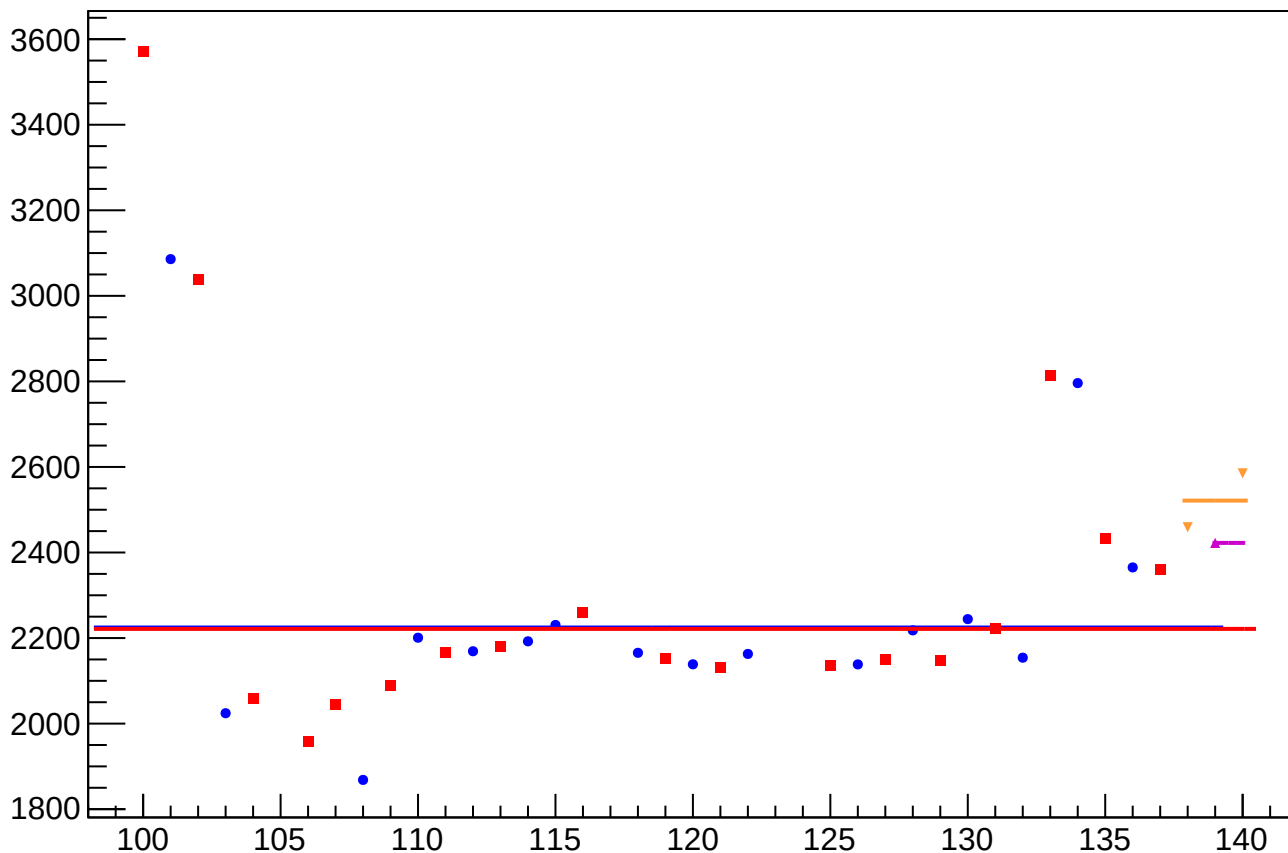
Left In: -4479.973 $\pm$ 2635.878 χ^2 /NDF:0.0/0

+ sign 4882.733 $\pm$ 768.369 χ^2 /NDF: 9.5/17

All: 489.040 $\pm$ 554.087 χ^2 /NDF: 92.1/36

- sign -4271.079 $\pm$ 799.768 χ^2 /NDF: 14.5/18

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614 $\pm$ 0.590 χ^2 /NDF: 184679.8/15

Left Out: 2521.357 $\pm$ 1.400 χ^2 /NDF: 2022.8/1

Right Out: 2221.425 $\pm$ 0.593 χ^2 /NDF: 169944.3/17

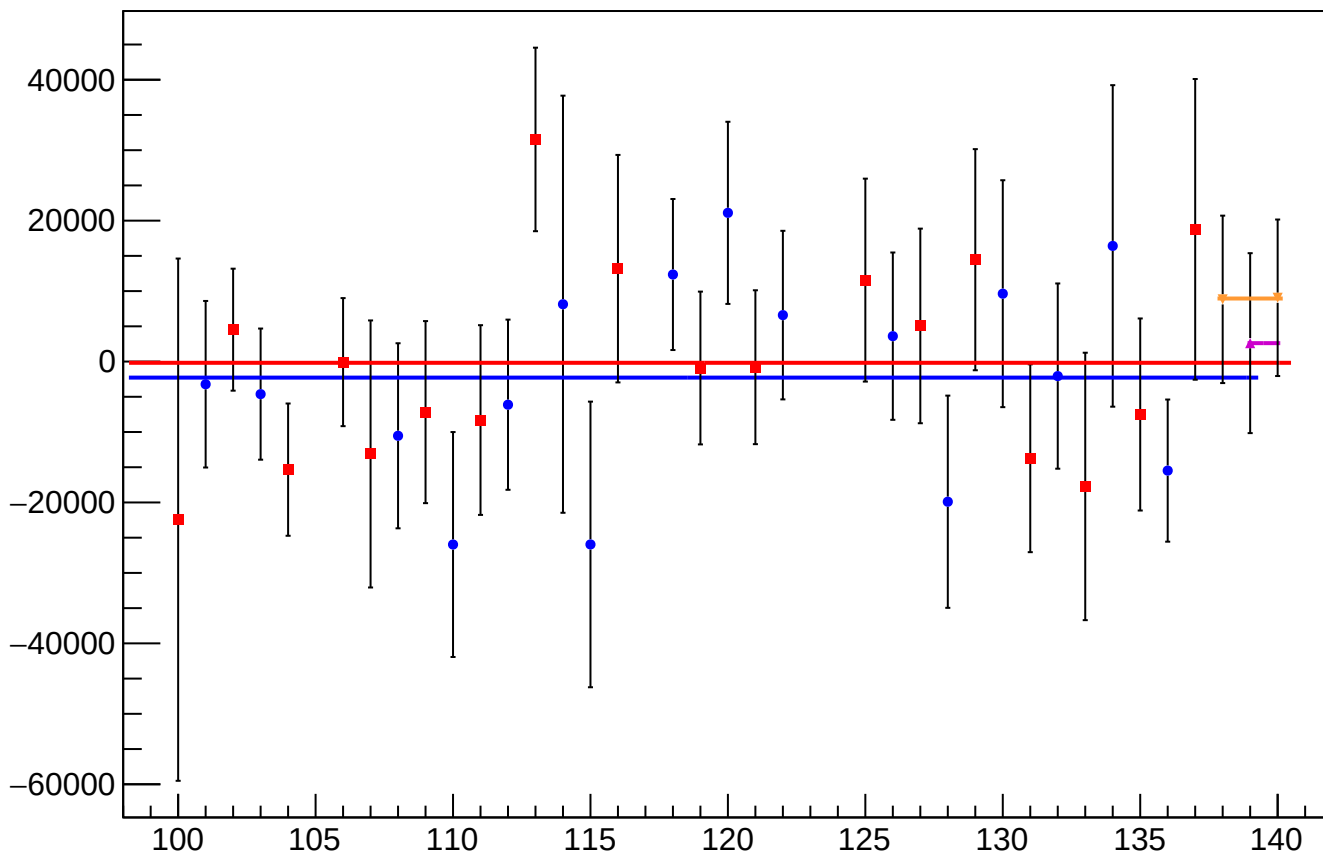
Left In: 2422.442 $\pm$ 1.864 χ^2 /NDF: 0.0/0

+ sign 2269.292 $\pm$ 0.543 χ^2 /NDF: 224853.0/17

All: 2255.181 $\pm$ 0.392 χ^2 /NDF: 406764.0/36

- sign 2239.911 $\pm$ 0.565 χ^2 /NDF: 180506.5/18

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -2278.440+/-3271.750 χ^2/NDF : 14.5/15

Left Out: 8948.086+/-8114.076 χ^2/NDF : 0.0/1

Right Out: -177.024+/-3035.355 χ^2/NDF : 15.6/17

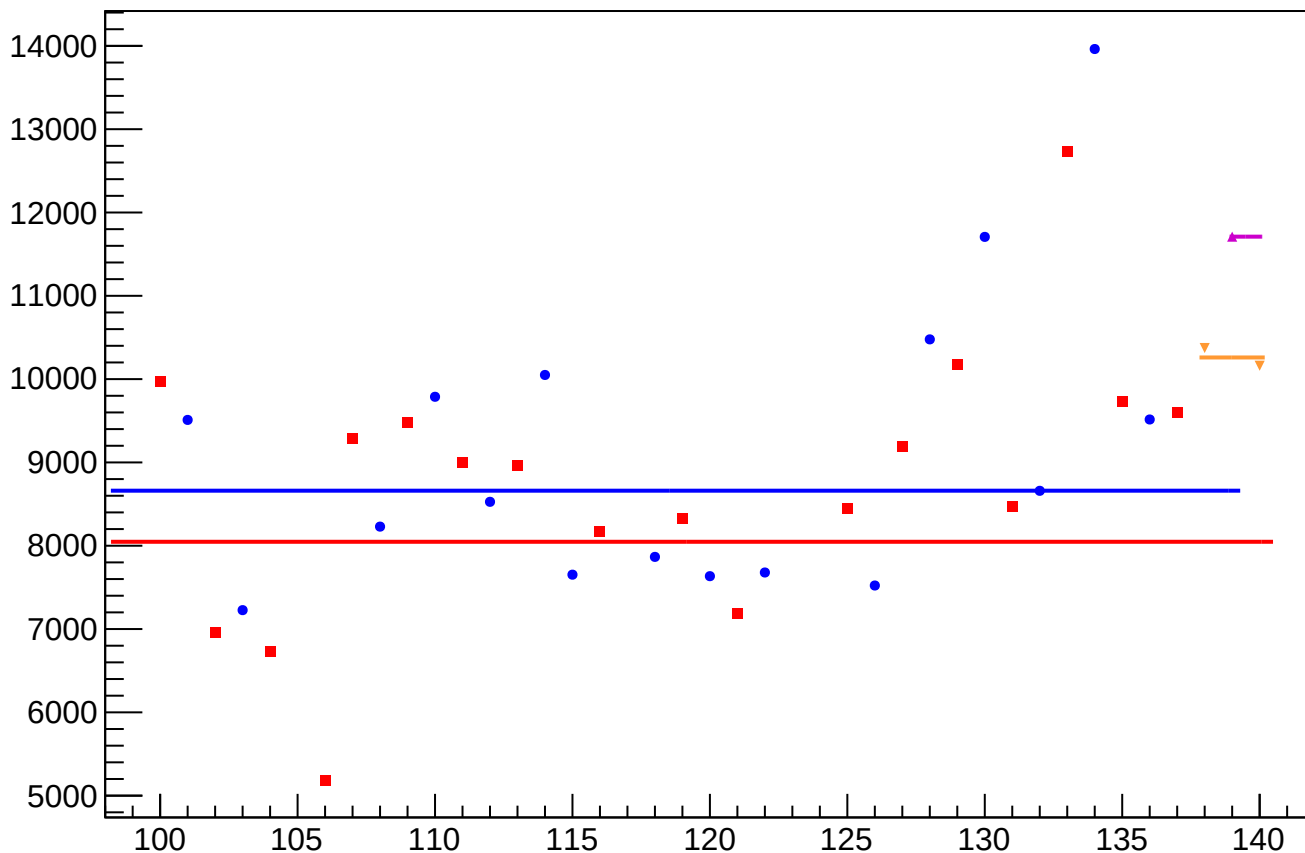
Left In: 2612.623+/-12770.100 χ^2/NDF : 0.0/0

+ sign -708.430+/-3034.364 χ^2/NDF : 16.1/17

All: -358.899+/-2116.296 χ^2/NDF : 31.9/36

- sign -27.844+/-2953.080 χ^2/NDF : 15.7/18

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF : 357961.9/15

Left Out: 10259.820+/-5.738 χ^2/NDF : 341.8/1

Right Out: 8047.460+/-2.146 χ^2/NDF : 558559.6/17

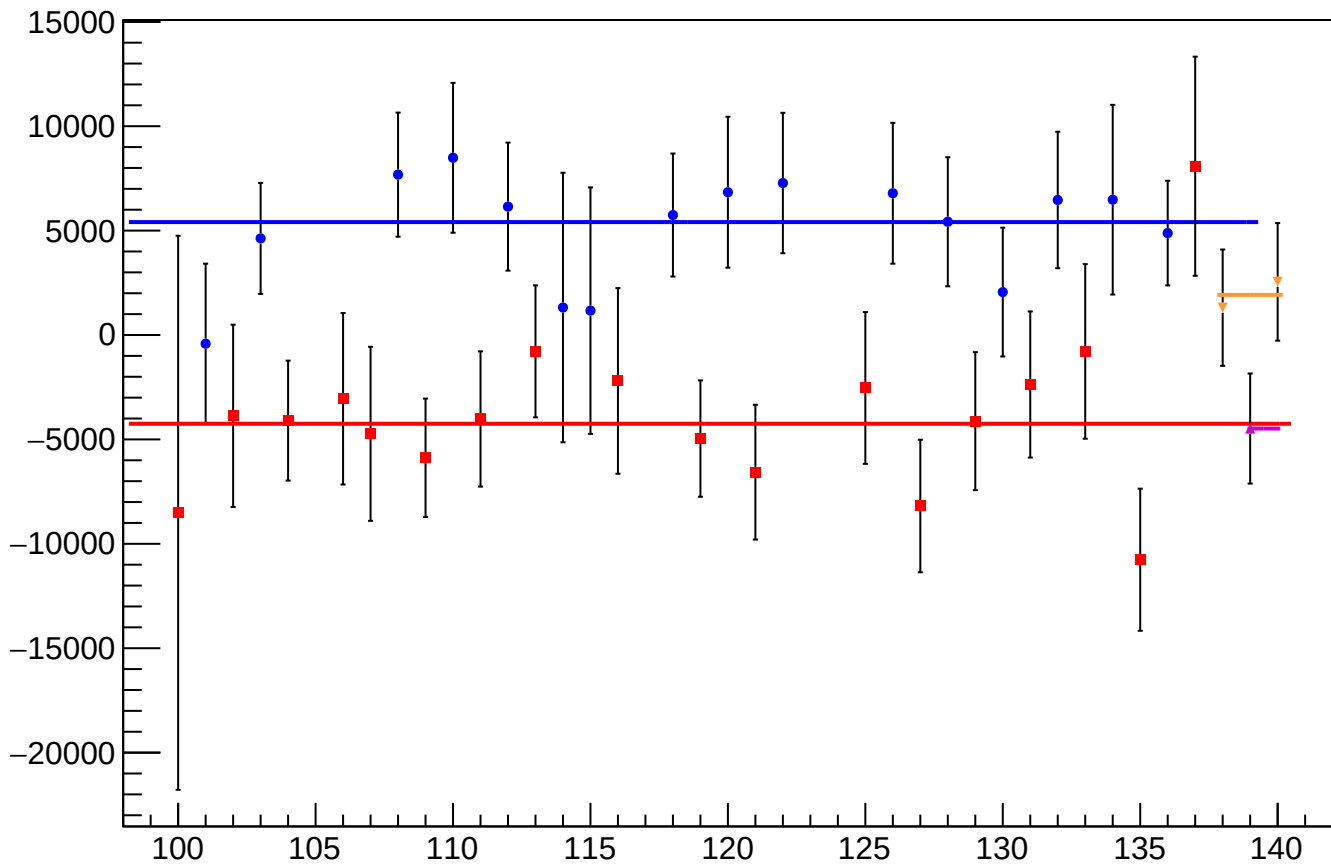
Left In: 11710.106+/-9.030 χ^2/NDF : 0.0/0

+ sign 8884.362+/-2.146 χ^2/NDF : 425118.3/17

All: 8555.143+/-1.496 χ^2/NDF : 1185246.5/30

- sign 8243.325+/-2.088 χ^2/NDF : 714286.2/18

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.869+/-833.688 χ^2/NDF : 6.7/15

Left Out: 1920.041+/-1980.215 χ^2/NDF : 0.1/1

Right Out: -4249.903+/-839.335 χ^2/NDF : 14.5/17

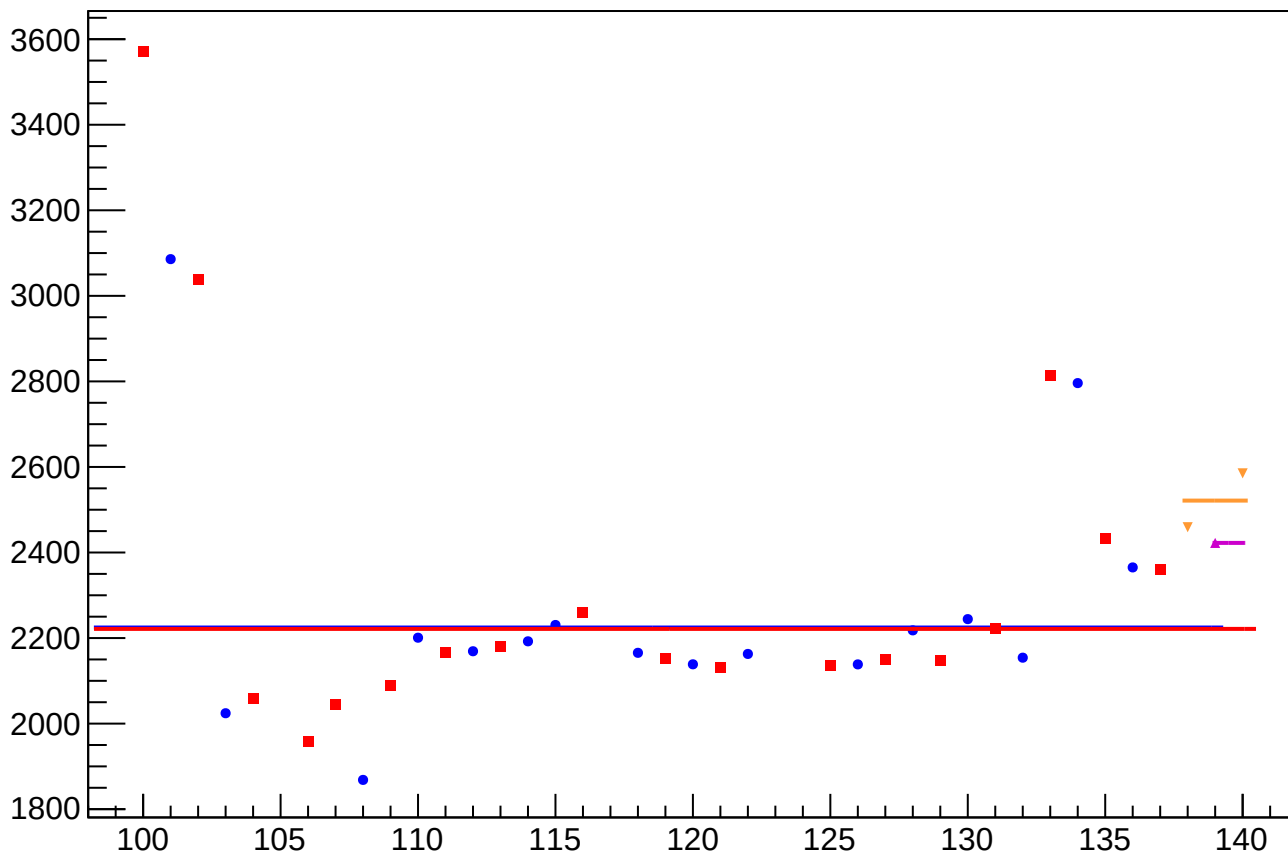
Left In: -4479.925+/-2635.882 χ^2/NDF : 0.0/0

+ sign 4882.735+/-768.369 χ^2/NDF : 9.5/17

All: 489.042+/-554.087 χ^2/NDF : 92.1/36

- sign -4271.079+/-799.768 χ^2/NDF : 14.5/18

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: 2521.358+/-1.400 χ^2/NDF : 2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF : 169944.3/17

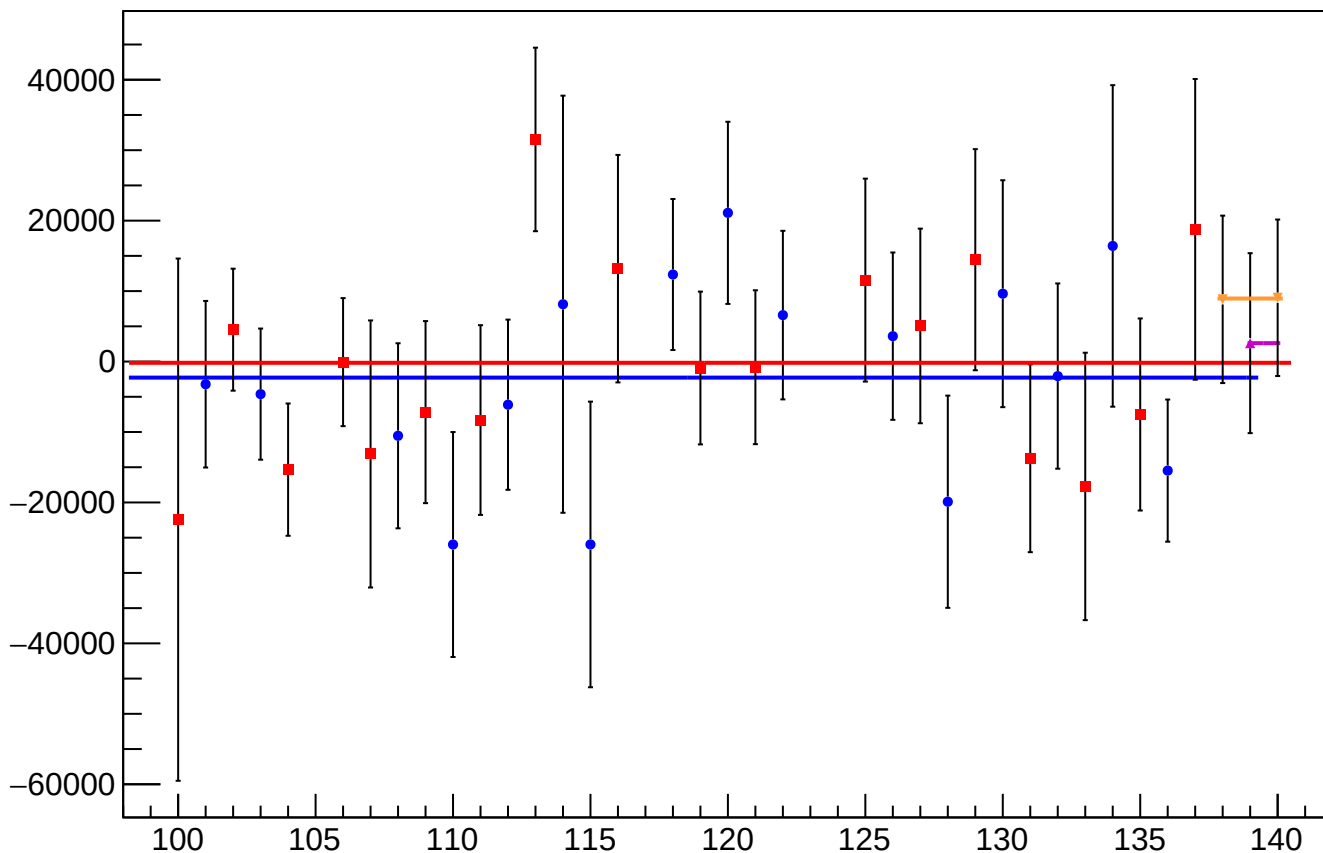
Left In: 2422.446+/-1.864 χ^2/NDF : 0.0/0

+ sign 2269.292+/-0.543 χ^2/NDF : 224853.8/17

All: 2255.181+/-0.392 χ^2/NDF : 406765.1/36

- sign 2239.910+/-0.565 χ^2/NDF : 180506.9/18

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -2278.418 ± 3271.742 χ^2/NDF : 14.5/15

Left Out: 8948.092 ± 8114.089 χ^2/NDF : 0.0/1

Right Out: -177.029 ± 3035.348 χ^2/NDF : 15.6/17

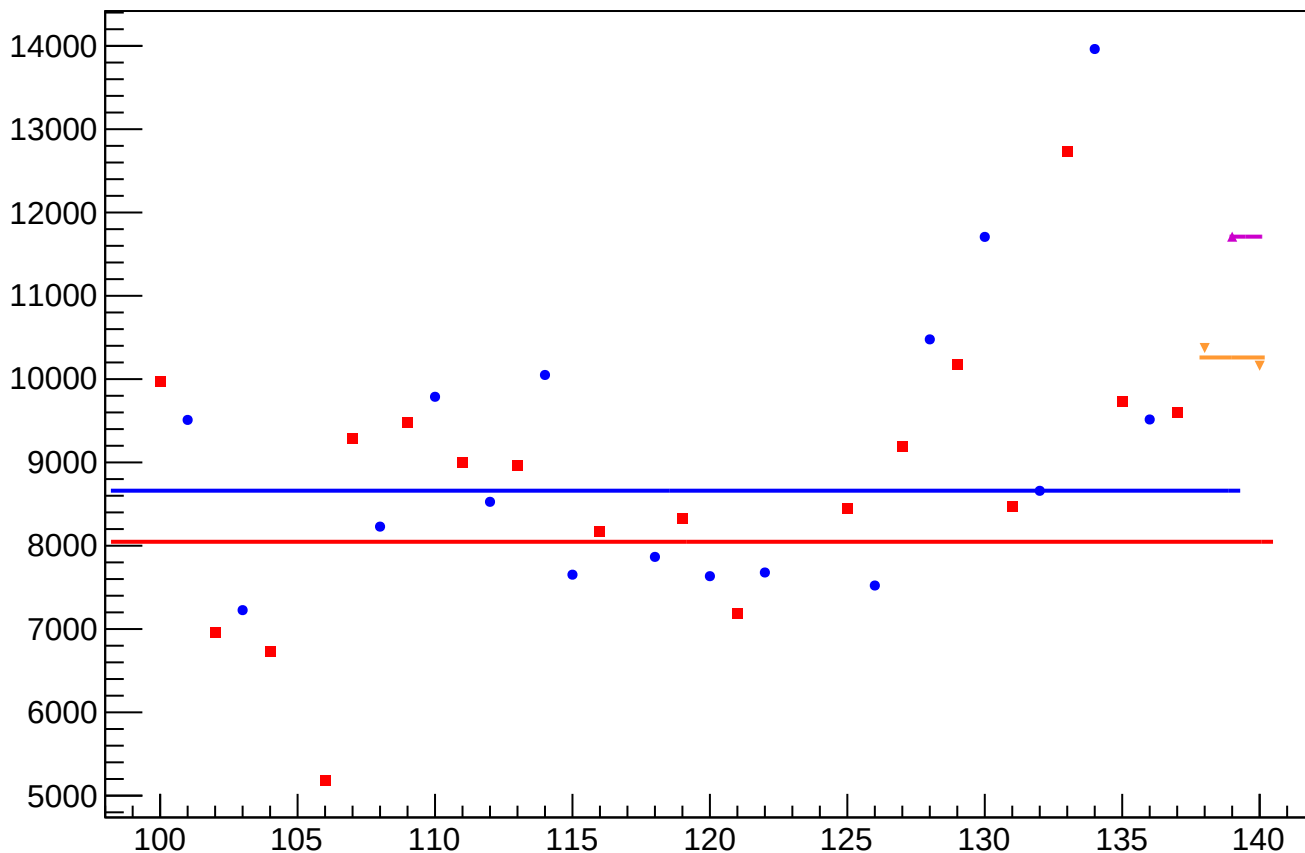
Left In: 2612.665 ± 12770.135 χ^2/NDF : 0.0/0

+ sign -708.421 ± 3034.358 χ^2/NDF : 16.1/17

All: -358.897 ± 2116.292 χ^2/NDF : 31.9/36

- sign -27.848 ± 2953.074 χ^2/NDF : 15.7/18

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 8660.711+/-2.313 χ^2/NDF : 357964.1/15

Left Out: 10259.836+/-5.738 χ^2/NDF : 341.9/1

Right Out: 8047.442+/-2.146 χ^2/NDF : 558557.8/17

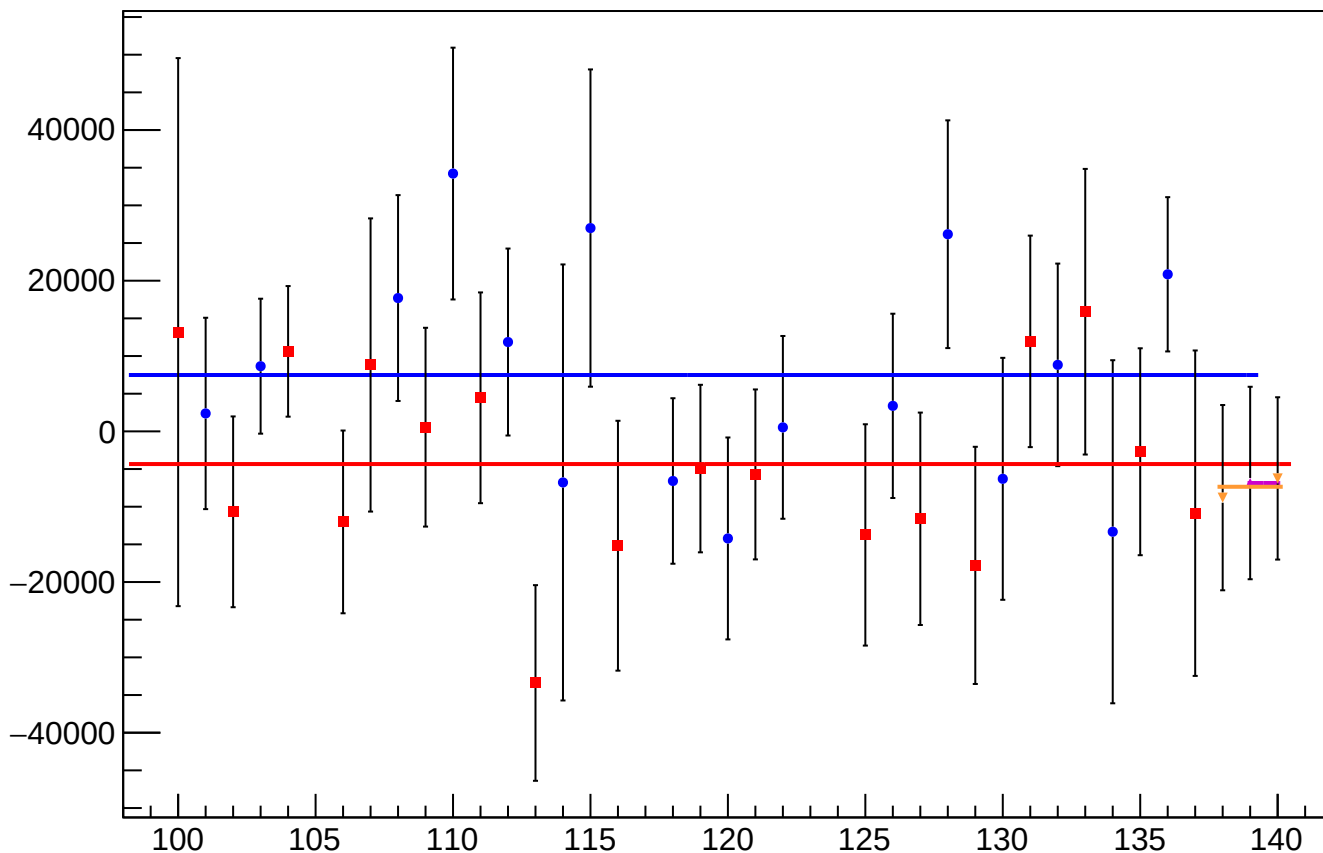
Left In: 11710.138+/-9.030 χ^2/NDF : 0.0/0

+ sign 8884.345+/-2.146 χ^2/NDF : 425123.6/17

All: 8555.125+/-1.496 χ^2/NDF : 1185253.6/30

- sign 8243.308+/-2.088 χ^2/NDF : 714287.9/18

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770 $\pm$ 3330.915 χ^2 /NDF: 14.0/15

Left Out: -7354.402 $\pm$ 8103.328 χ^2 /NDF:0.0/1

Right Out: -4338.165 $\pm$ 3242.620 χ^2 /NDF: 14.3/17

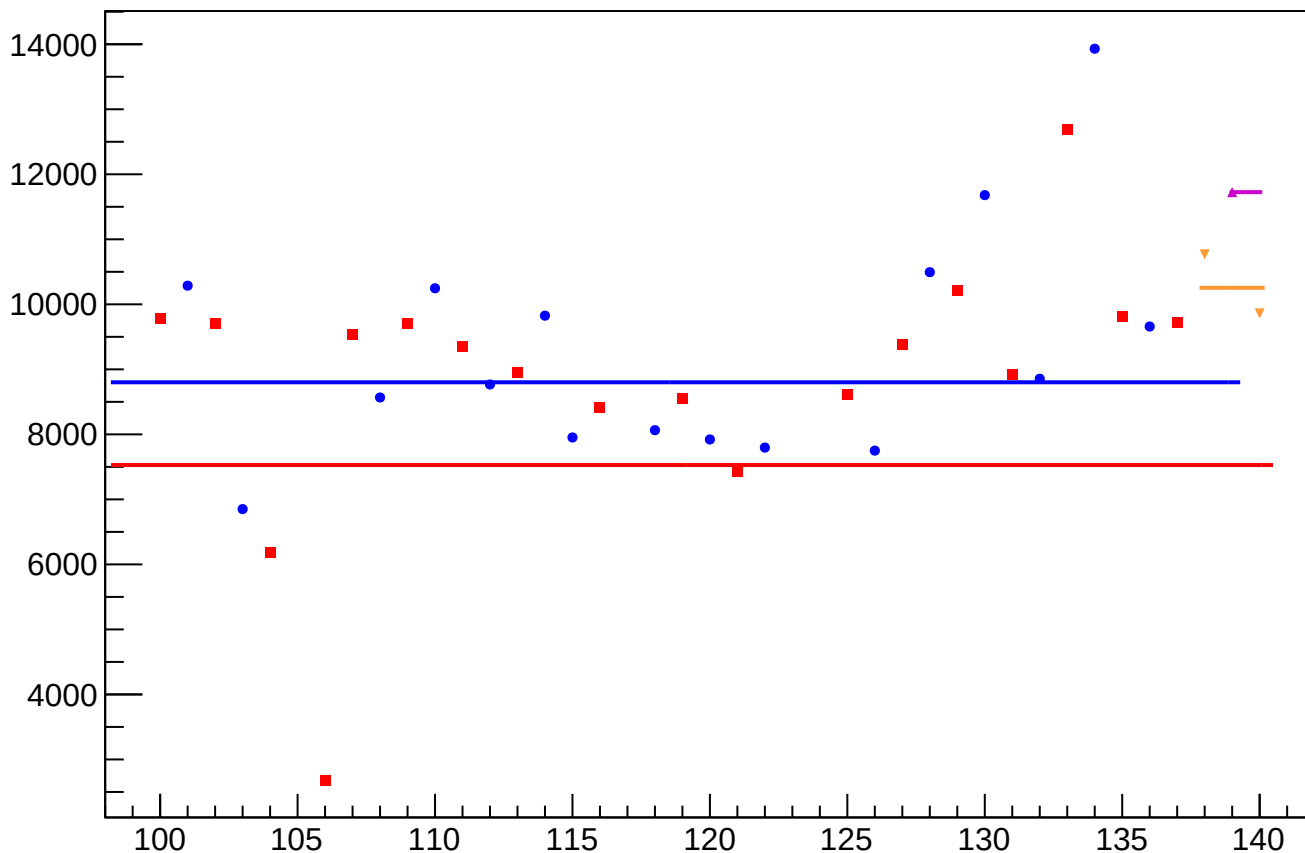
Left In: -6854.962 $\pm$ 12774.346 χ^2 /NDF:0.0/0

+ sign 5337.299 $\pm$ 3080.793 χ^2 /NDF: 16.9/17

All: 521.524 $\pm$ 2200.095 χ^2 /NDF: 36.3/36

- sign -4490.516 $\pm$ 3142.945 χ^2 /NDF: 14.3/18

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF : 394575.1/15

Left Out: 10254.309+/-5.730 χ^2/NDF : 6171.4/1

Right Out: 7527.803+/-2.128 χ^2/NDF : 1657299.8/17

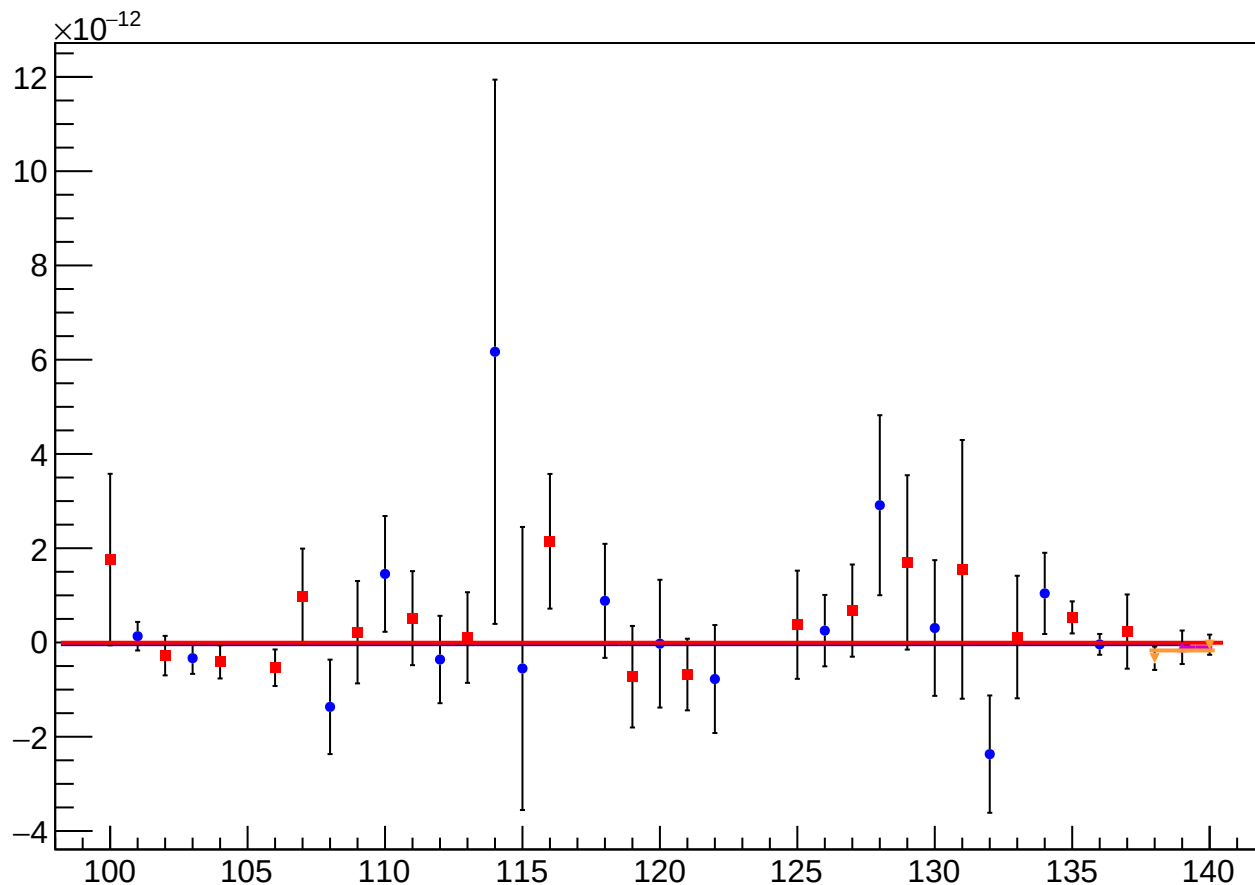
Left In: 11725.226+/-9.033 χ^2/NDF : 0.0/0

+ sign 9011.126+/-2.178 χ^2/NDF : 455773.3/17

All: 8348.134+/-1.501 χ^2/NDF : 2494036.7/36

- sign 7748.576+/-2.072 χ^2/NDF : 1861874.9/18

asym_us_avg_at2lr_avg_avg_reg_vs_cor_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 : 0.8/1

Right Out: -0.000+/-0.000 χ^2/NDF : 13.7/17

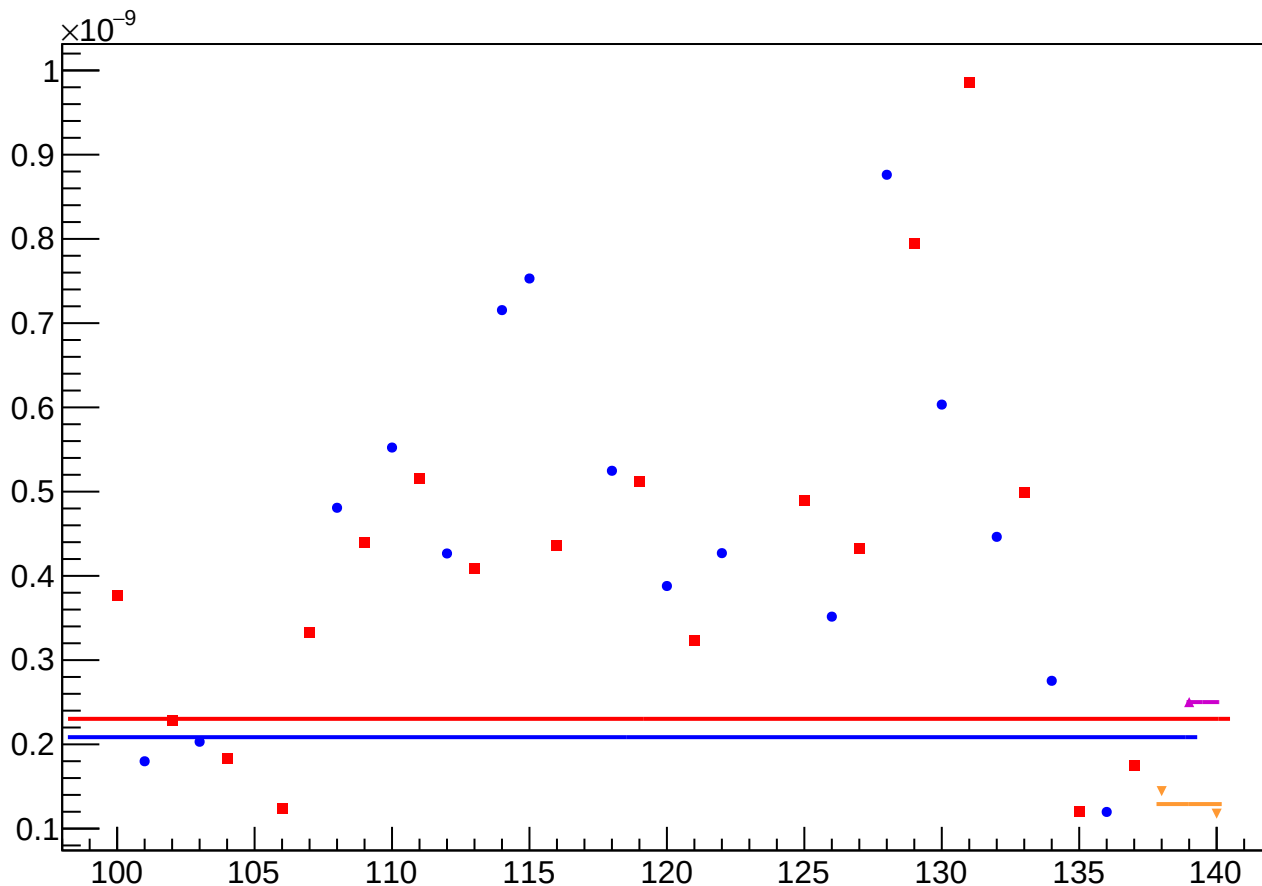
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 15.4/17

All: -0.000+/-0.000 χ^2/NDF : 29.4/36

- sign -0.000+/-0.000 χ^2/NDF : 13.8/18

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :13317.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1561654.8/17

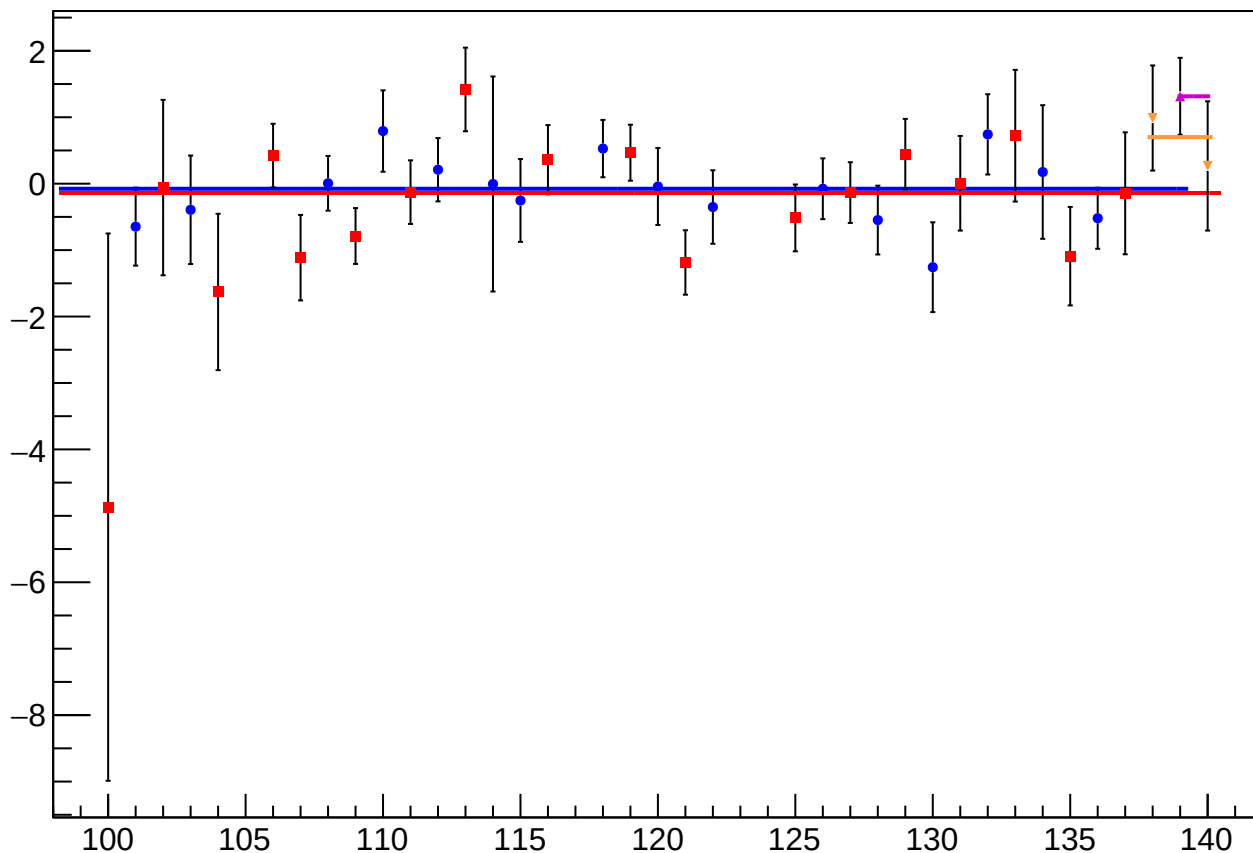
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1917554.7/17

All: 0.000+/-0.000 χ^2/NDF : 3705559.6/36

- sign 0.000+/-0.000 χ^2/NDF : 1566900.9/18

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.076 ± 0.140 χ^2/NDF : 12.5/15

Left Out: 0.701 ± 0.614 χ^2/NDF : 0.3/1

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

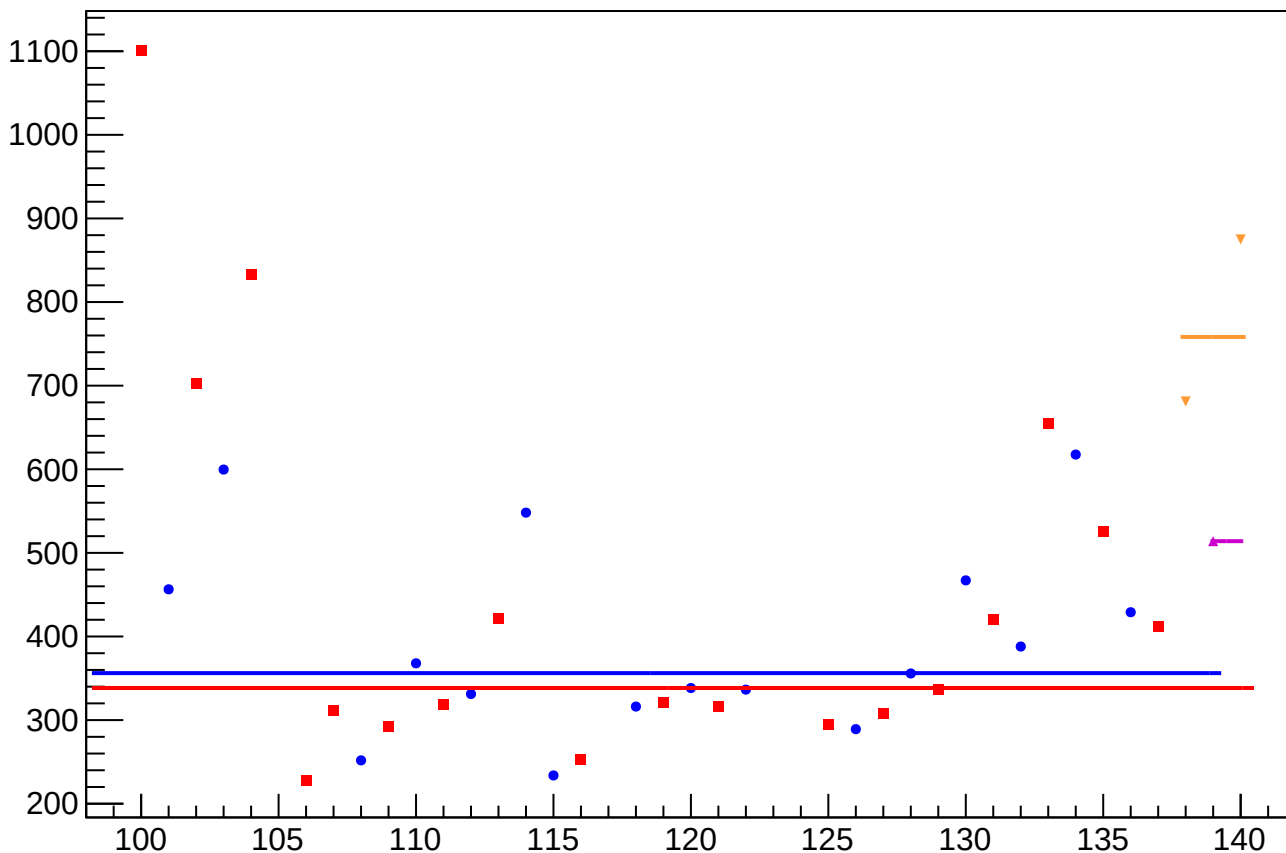
Left In: 1.315 ± 0.579 χ^2/NDF : 0.0/0

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.050 ± 0.096 χ^2/NDF : 47.3/36

- sign -0.062 ± 0.134 χ^2/NDF : 33.0/18

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 356.190+/-0.099 χ^2/NDF : 785107.3/15

Left Out: 758.240+/-0.434 χ^2/NDF : 47786.6/1

Right Out: 338.410+/-0.098 χ^2/NDF : 1203282.0/17

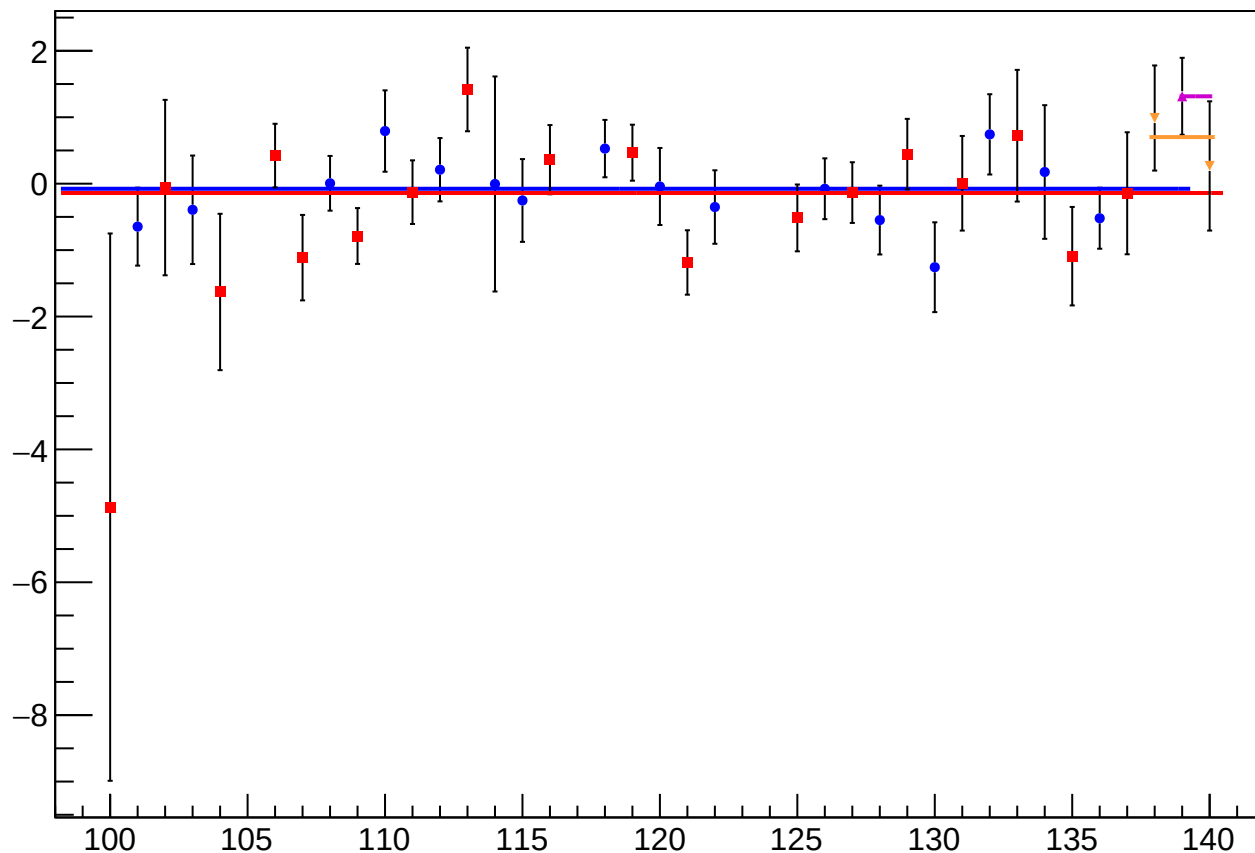
Left In: 514.012+/-0.409 χ^2/NDF : 0.0/0

+ sign 376.041+/-0.096 χ^2/NDF : 1648481.8/17

All: 361.714+/-0.068 χ^2/NDF : 3069218.1/36

- sign 347.843+/-0.095 χ^2/NDF : 1377307.9/18

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076 ± 0.140 χ^2/NDF : 12.5/15

Left Out: 0.701 ± 0.614 χ^2/NDF : 0.3/1

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

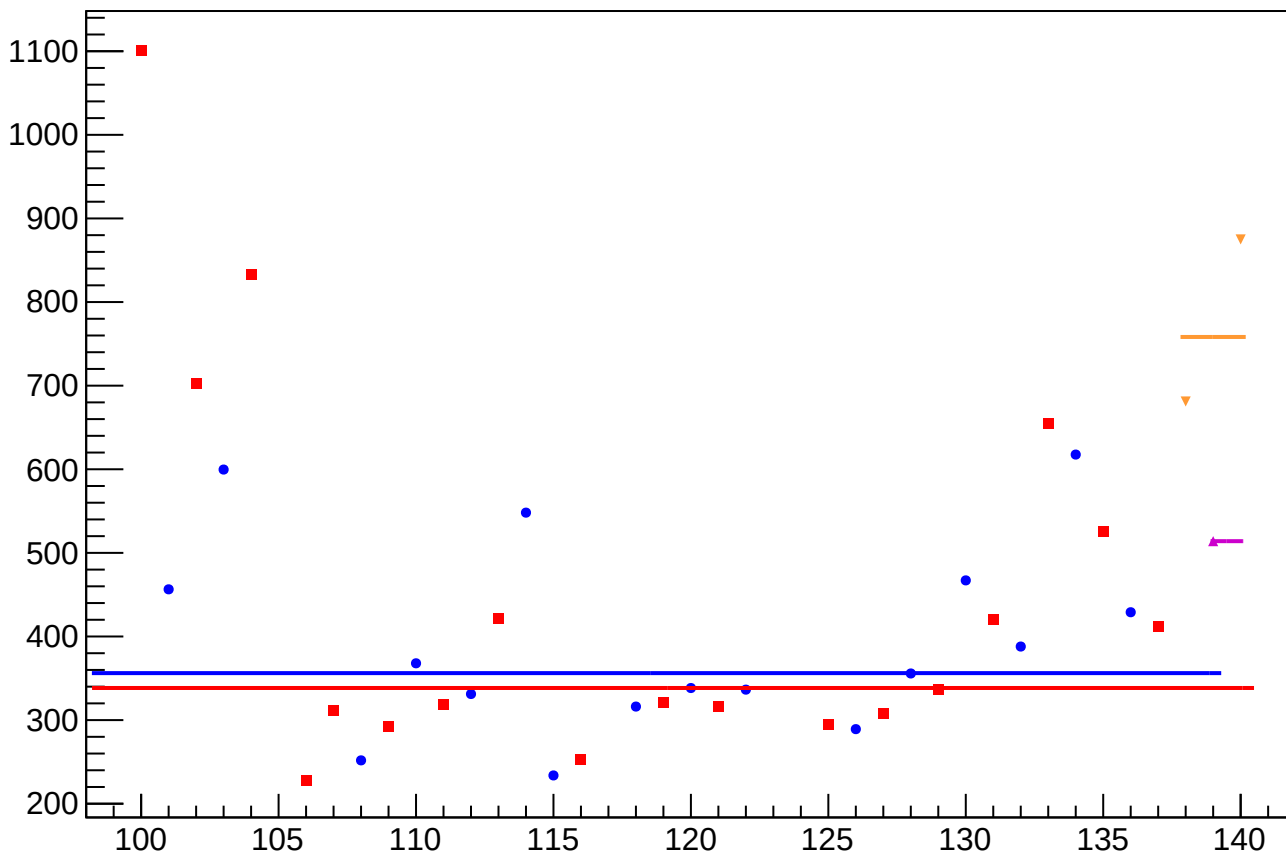
Left In: 1.315 ± 0.579 χ^2/NDF : 0.0/0

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.050 ± 0.096 χ^2/NDF : 47.3/36

- sign -0.062 ± 0.134 χ^2/NDF : 33.0/18

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 356.190+/-0.099 χ^2/NDF : 785107.3/15

Left Out: 758.240+/-0.434 χ^2/NDF : 47786.6/1

Right Out: 338.410+/-0.098 χ^2/NDF : 1203282.0/17

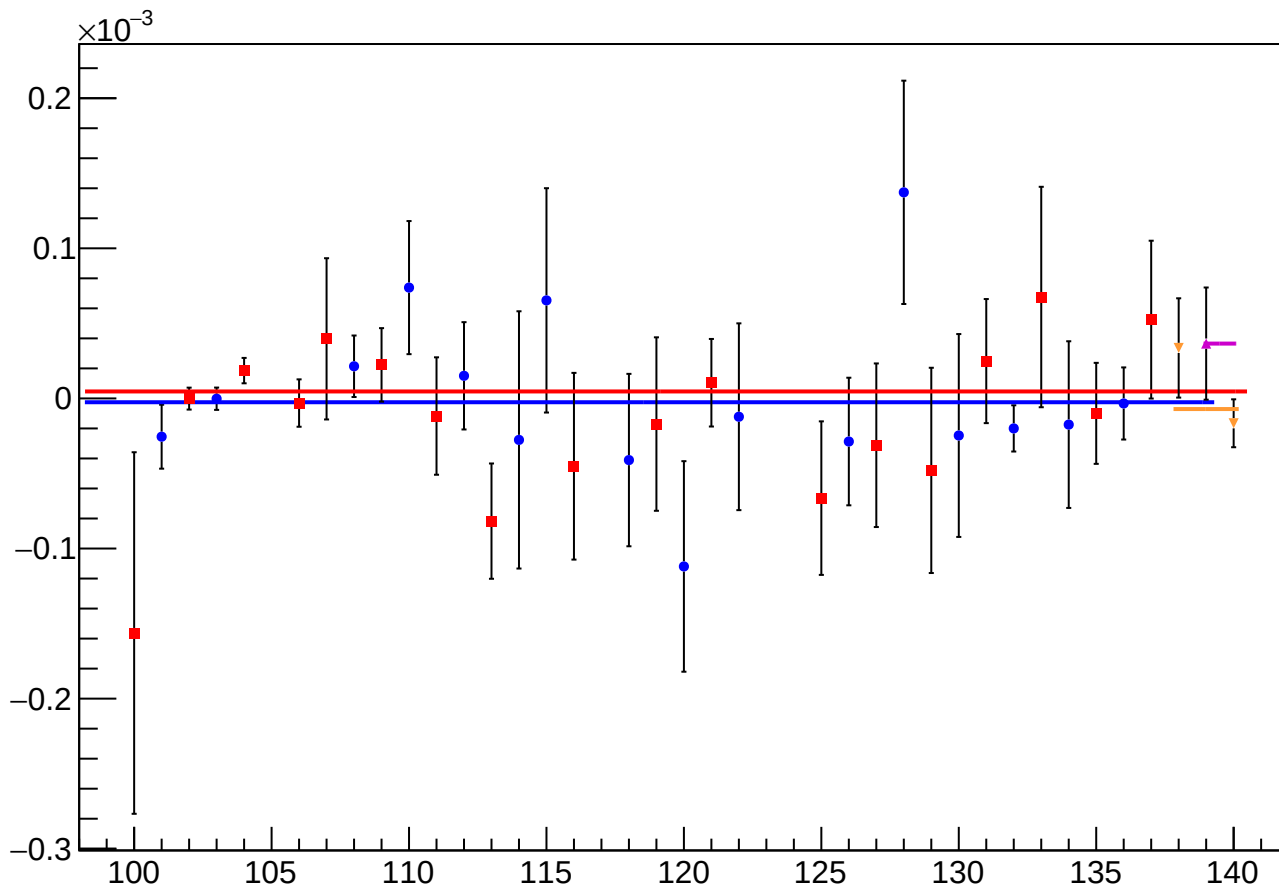
Left In: 514.012+/-0.409 χ^2/NDF : 0.0/0

+ sign 376.041+/-0.096 χ^2/NDF : 1648481.8/17

All: 361.714+/-0.068 χ^2/NDF : 3069218.1/36

- sign 347.843+/-0.095 χ^2/NDF : 1377307.9/18

asym_us_avg_at2lr_avg_avg_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 : 1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 17.1/17

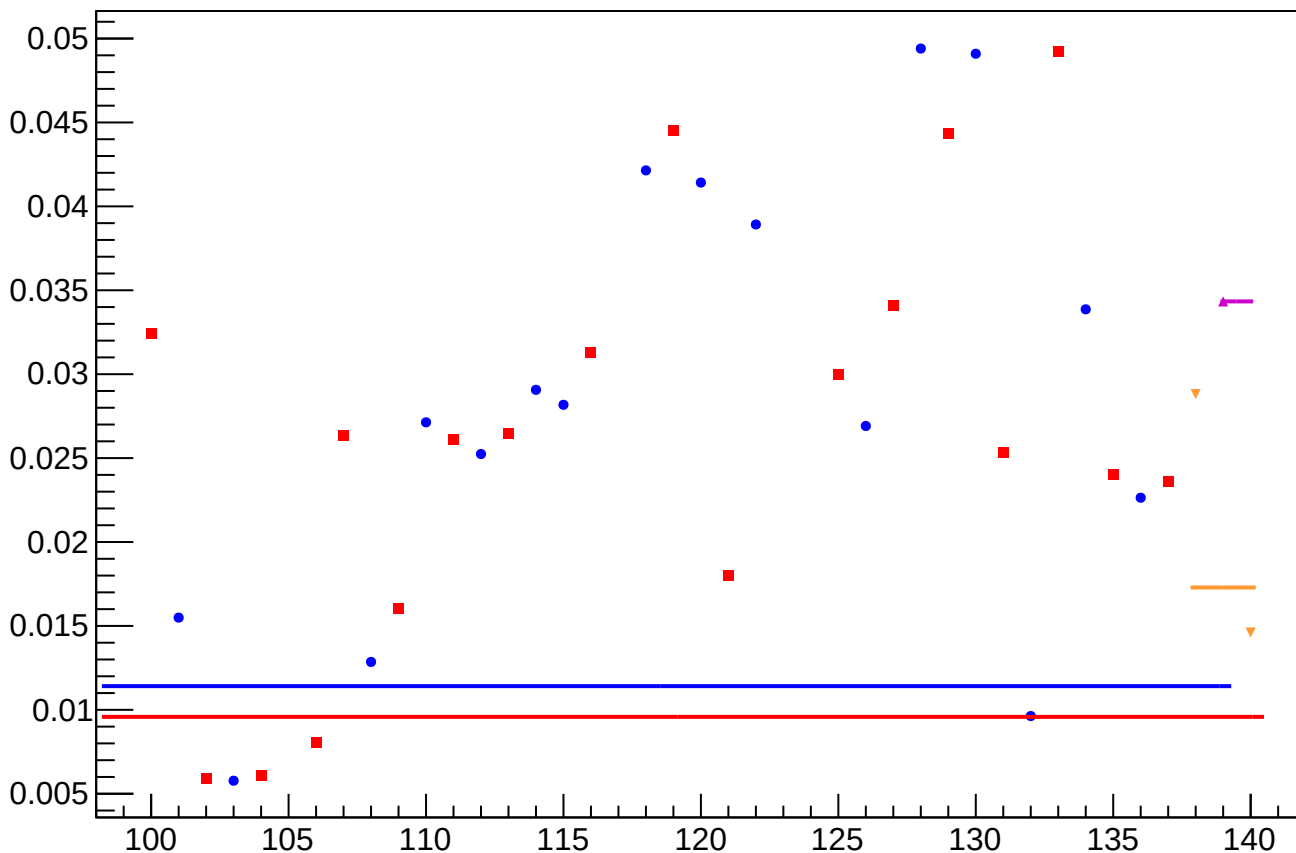
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 17.0/17

All: 0.000+/-0.000 χ^2/NDF : 36.2/36

- sign 0.000+/-0.000 χ^2/NDF : 17.8/18

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 5500651.2/15

Left Out: 0.017+/-0.000 χ^2/NDF : 299226.9/1

Right Out: 0.010+/-0.000 χ^2/NDF : 5787700.4/17

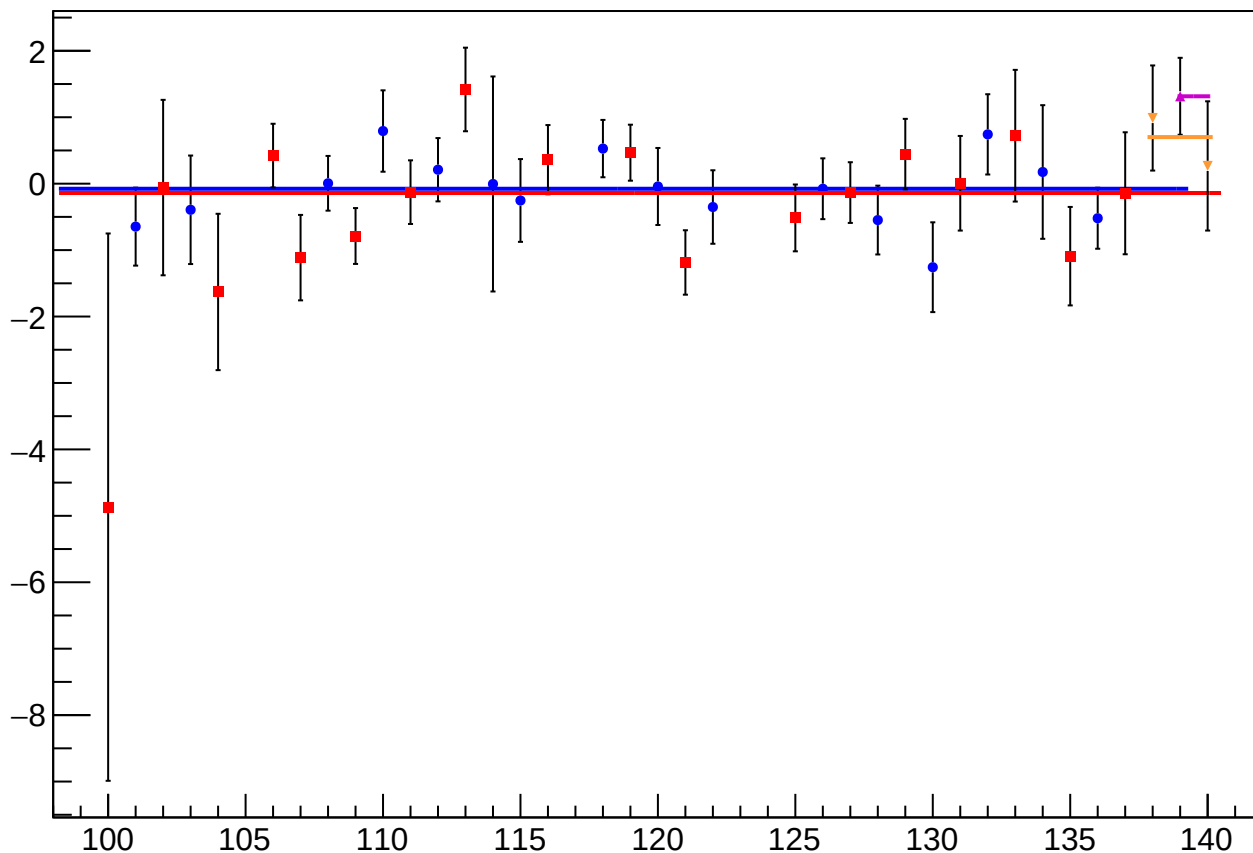
Left In: 0.034+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.000 χ^2/NDF : 6090767.9/17

All: 0.011+/-0.000 χ^2/NDF : 12941713.9/36

- sign 0.010+/-0.000 χ^2/NDF : 6651617.6/18

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.076 ± 0.140 χ^2/NDF : 12.5/15

Left Out: 0.701 ± 0.614 χ^2/NDF : 0.3/1

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

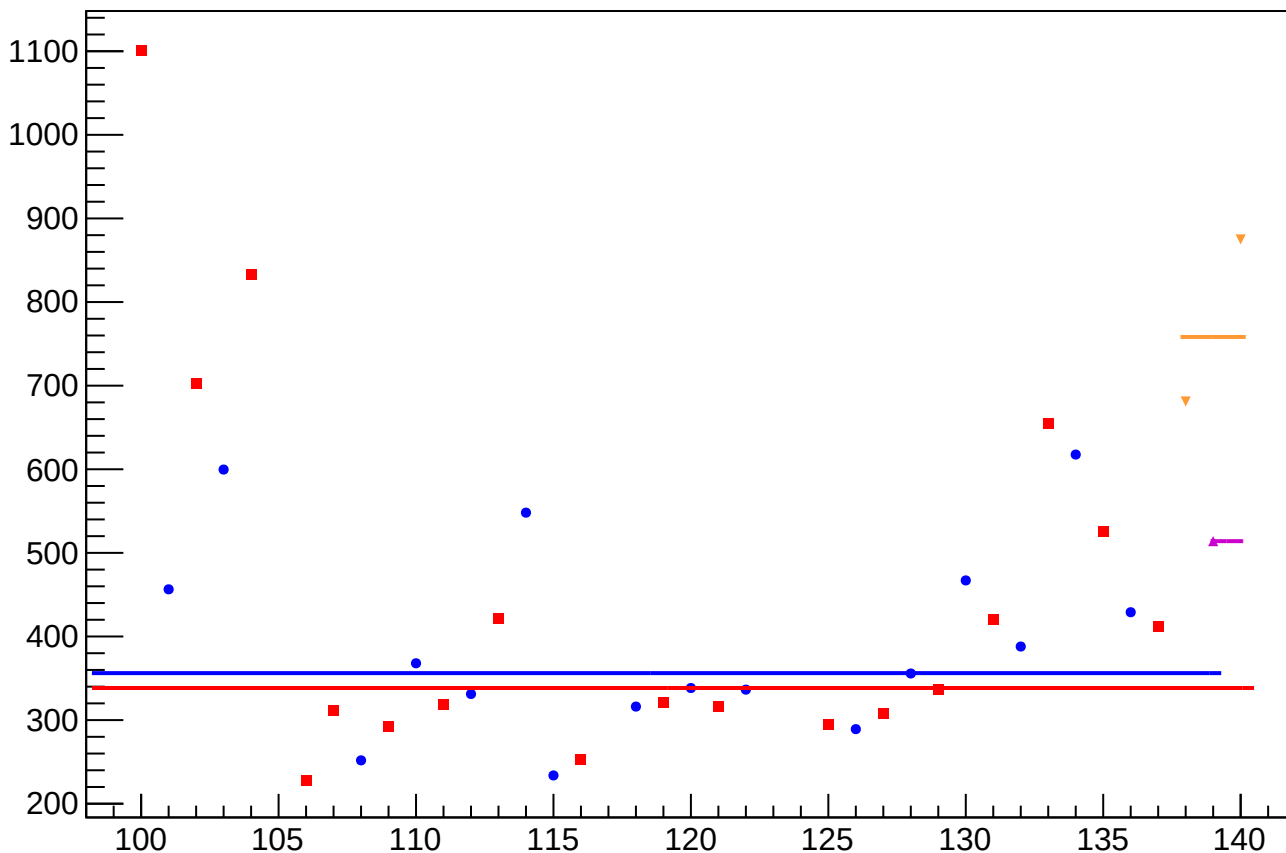
Left In: 1.315 ± 0.579 χ^2/NDF : 0.0/0

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.050 ± 0.096 χ^2/NDF : 47.3/36

- sign -0.062 ± 0.134 χ^2/NDF : 33.0/18

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 356.188+/-0.099 χ^2/NDF : 785072.9/15

Left Out: 758.246+/-0.434 χ^2/NDF : 47785.2/1

Right Out: 338.408+/-0.098 χ^2/NDF : 1203260.7/17

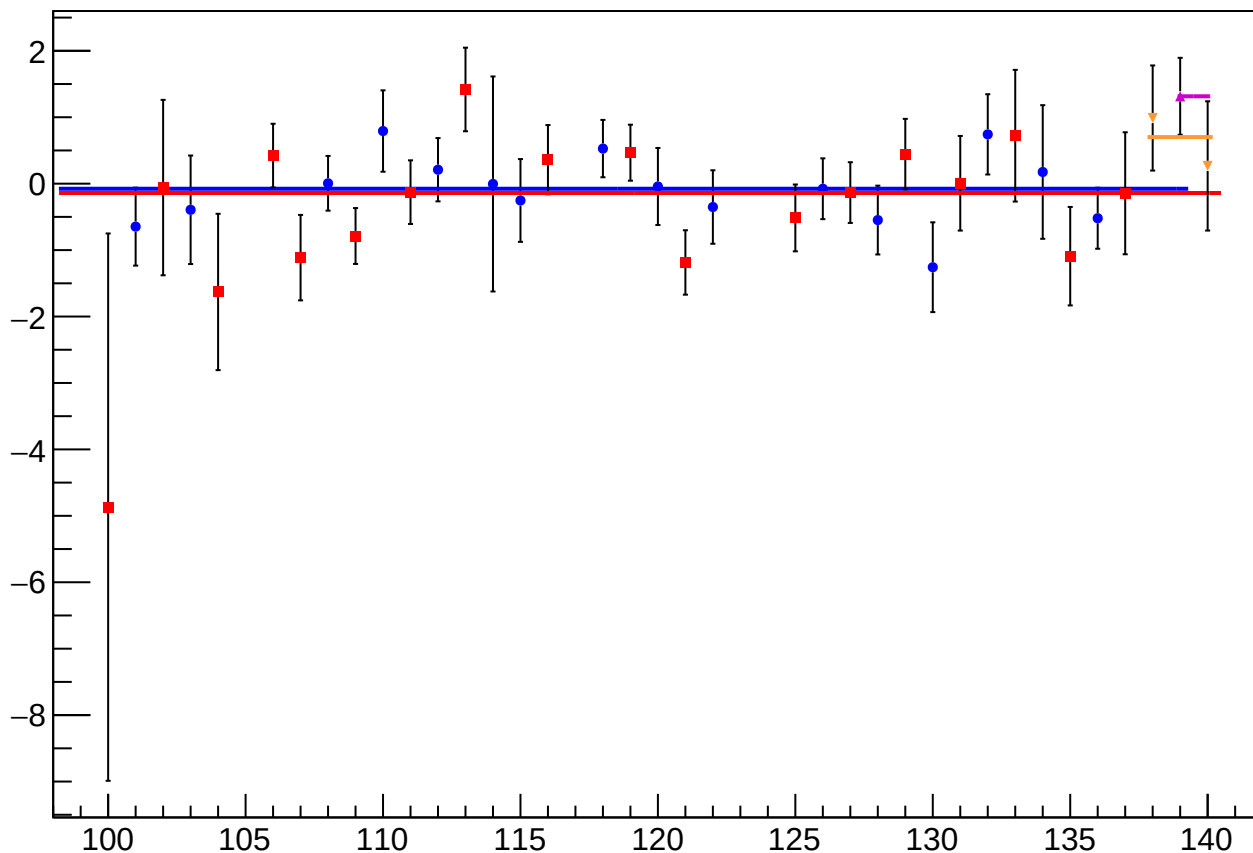
Left In: 514.024+/-0.409 χ^2/NDF : 0.0/0

+ sign 376.040+/-0.096 χ^2/NDF : 1648467.0/17

All: 361.712+/-0.068 χ^2/NDF : 3069203.6/36

- sign 347.841+/-0.095 χ^2/NDF : 1377306.6/18

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076 ± 0.140 χ^2/NDF : 12.5/15

Left Out: 0.701 ± 0.614 χ^2/NDF : 0.3/1

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

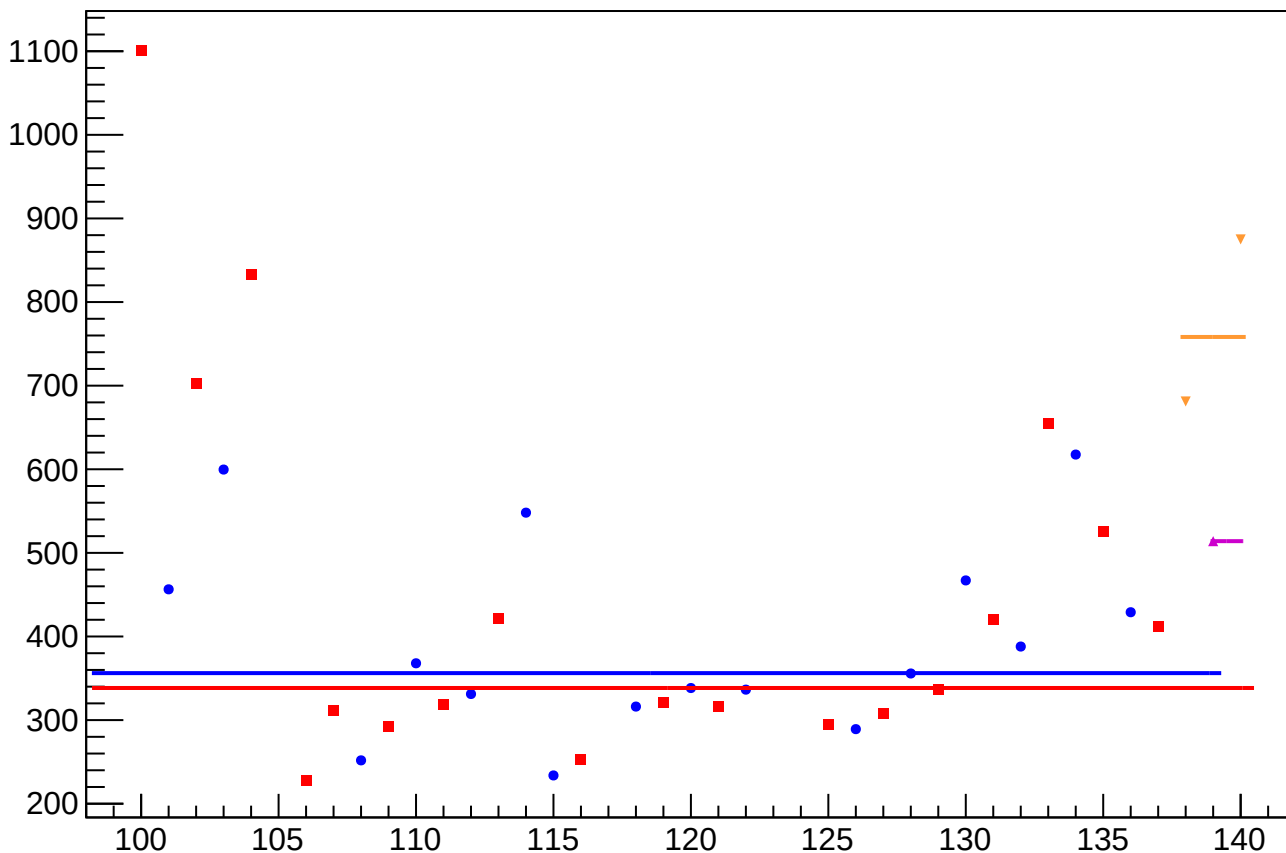
Left In: 1.315 ± 0.579 χ^2/NDF : 0.0/0

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.050 ± 0.096 χ^2/NDF : 47.3/36

- sign -0.062 ± 0.134 χ^2/NDF : 33.0/18

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 356.188 $\pm$ 0.099 χ^2 /NDF: 785072.9/15

Left Out: 758.246 $\pm$ 0.434 χ^2 /NDF: 47785.2/1

Right Out: 338.408 $\pm$ 0.098 χ^2 /NDF: 1203260.7/17

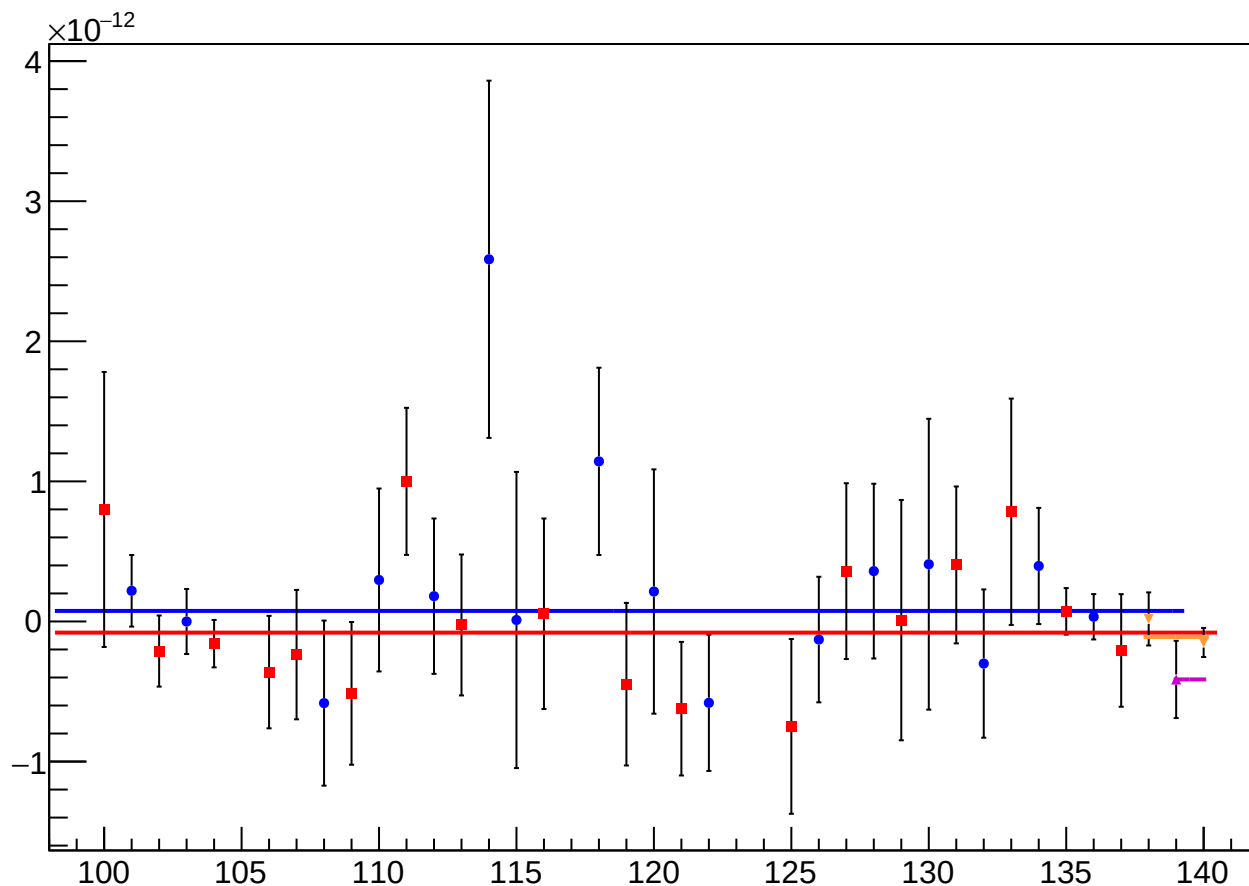
Left In: 514.024 $\pm$ 0.409 χ^2 /NDF: 0.0/0

+ sign 376.040 $\pm$ 0.096 χ^2 /NDF: 1648467.0/17

All: 361.712 $\pm$ 0.068 χ^2 /NDF: 3069203.6/36

- sign 347.841 $\pm$ 0.095 χ^2 /NDF: 1377306.6/18

asym_us_avg_at2lr_avg_avg_eigen_cor_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 : 0.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.1/17

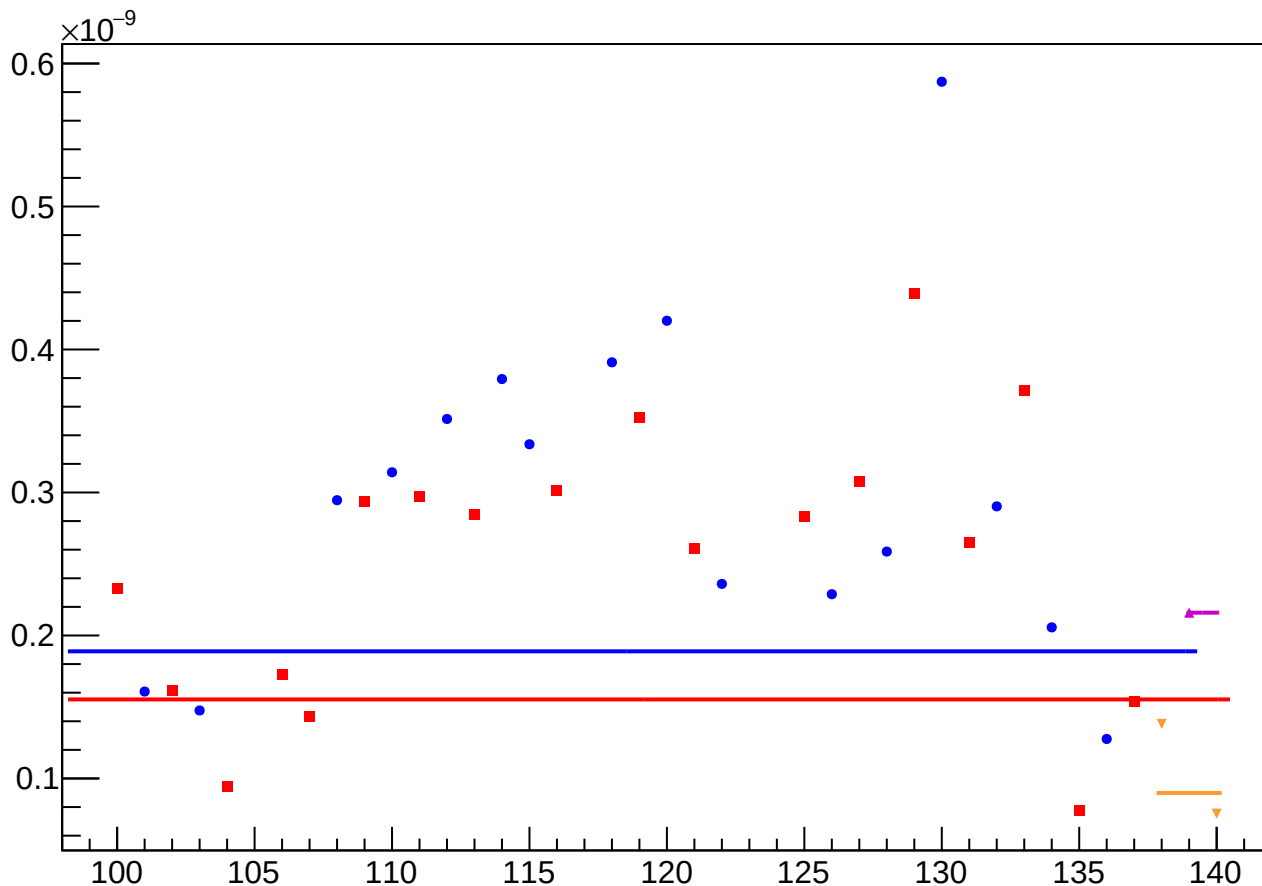
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 14.4/17

All: -0.000 ± 0.000 χ^2/NDF : 29.4/36

- sign -0.000 ± 0.000 χ^2/NDF : 14.4/18

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 168894.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2200687.6/17

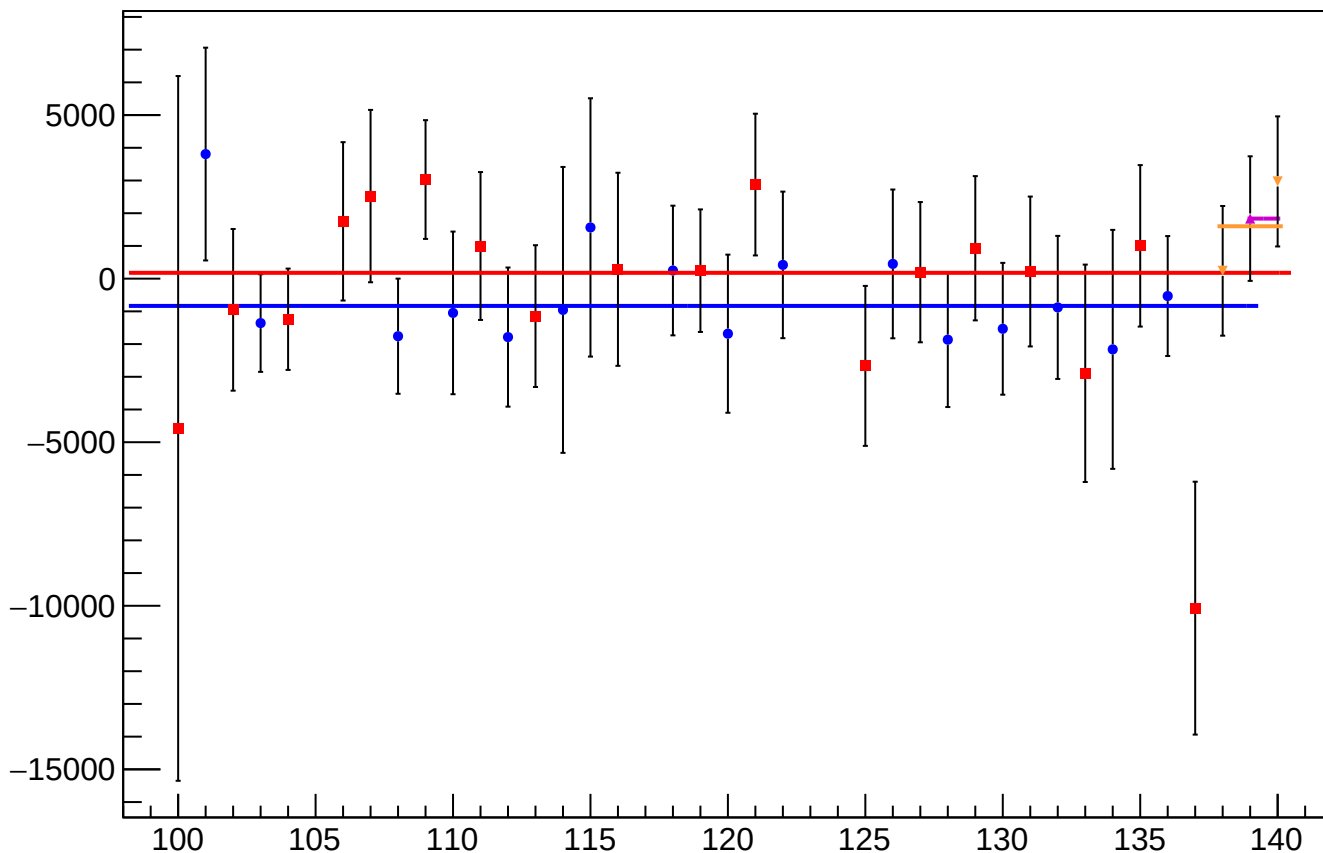
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2804743.8/17

All: 0.000+/-0.000 χ^2/NDF : 5197858.8/36

- sign 0.000+/-0.000 χ^2/NDF : 2289000.6/18

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF : 4.6/15

Left Out: 1601.407+/-1403.711 χ^2/NDF : 0.9/1

Right Out: 178.292+/-547.824 χ^2/NDF : 16.5/17

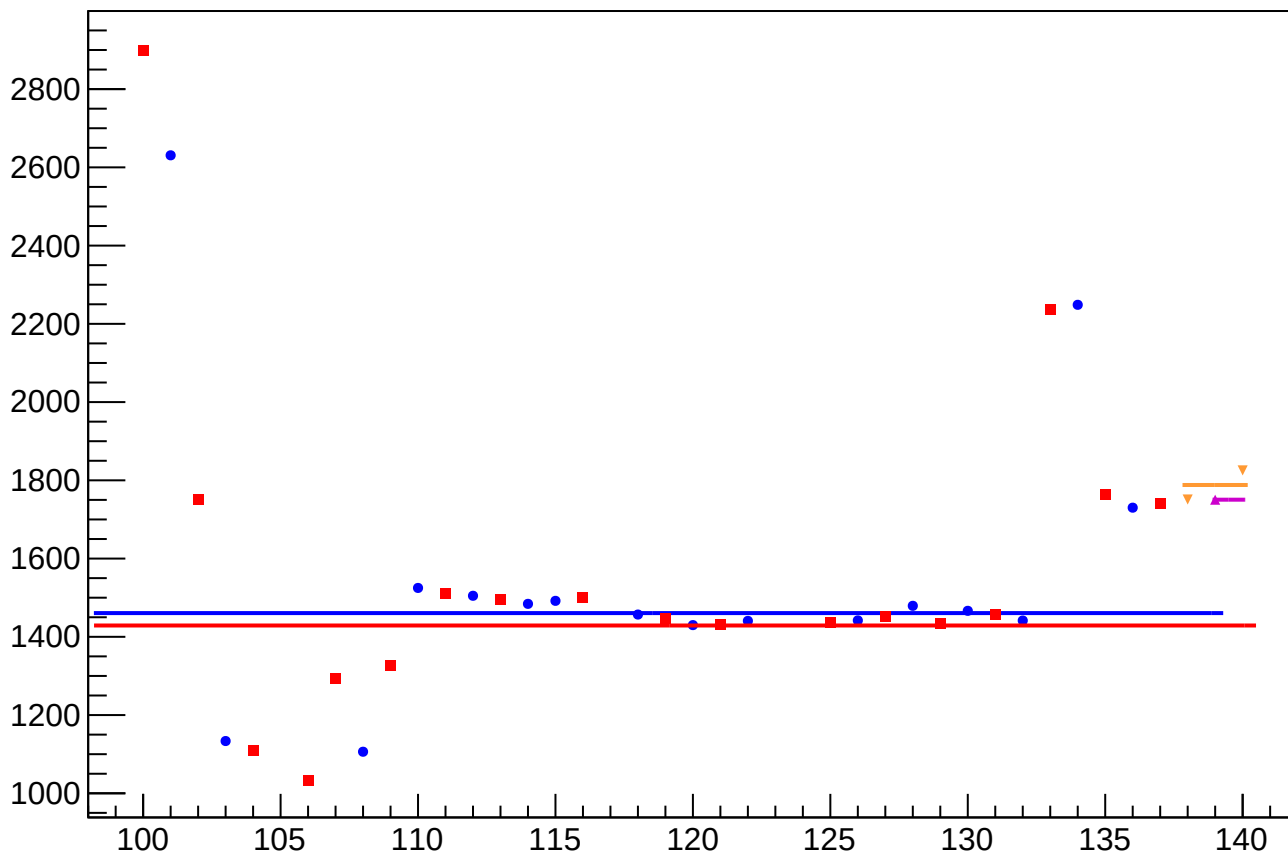
Left In: 1835.927+/-1903.997 χ^2/NDF : 0.0/0

+ sign -504.474+/-515.988 χ^2/NDF : 8.2/17

All: -107.858+/-368.507 χ^2/NDF : 26.5/36

- sign 305.027+/-526.465 χ^2/NDF : 17.2/18

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF : 575736.1/15

Left Out: 1788.091+/-0.993 χ^2/NDF : 1404.2/1

Right Out: 1428.940+/-0.385 χ^2/NDF : 411275.6/17

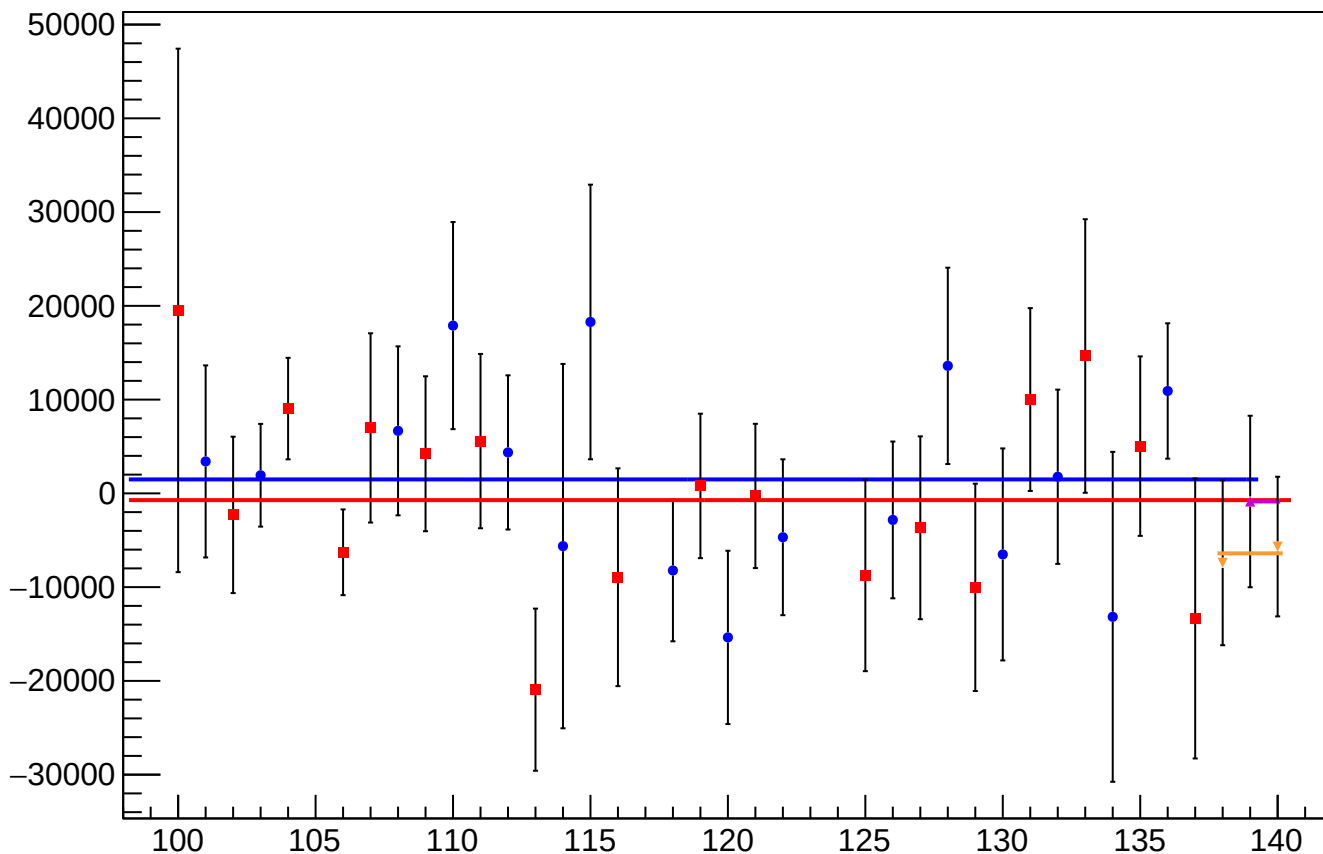
Left In: 1750.530+/-1.346 χ^2/NDF : 0.0/0

+ sign 1504.897+/-0.365 χ^2/NDF : 671261.4/17

All: 1479.388+/-0.260 χ^2/NDF : 1145198.2/30

- sign 1453.193+/-0.370 χ^2/NDF : 464028.9/18

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 1487.438 $\pm$ 2268.028 χ^2 /NDF: 14.2/15

Left Out: -6396.657 $\pm$ 5682.030 χ^2 /NDF:0.0/1

Right Out: -720.166 $\pm$ 2011.559 χ^2 /NDF: 17.5/17

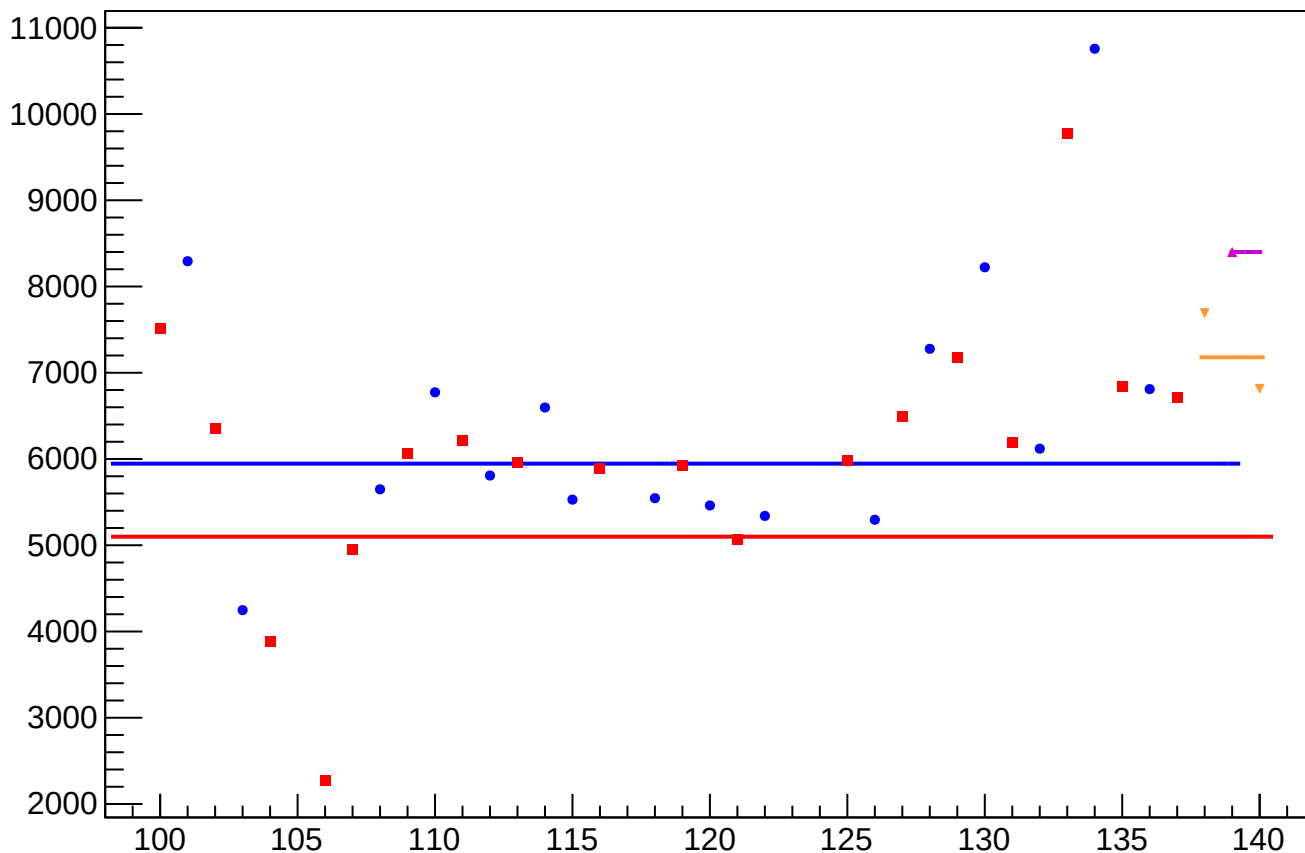
Left In: -867.355 $\pm$ 9144.156 χ^2 /NDF:0.0/0

+ sign 403.921 $\pm$ 2106.422 χ^2 /NDF: 15.9/17

All: -200.873 $\pm$ 1436.699 χ^2 /NDF: 33.5/36

- sign -726.960 $\pm$ 1964.585 χ^2 /NDF: 17.5/18

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF : 641131.4/15

Left Out: 7179.257+/-4.018 χ^2/NDF : 11596.3/1

Right Out: 5099.375+/-1.422 χ^2/NDF : 1480367.2/17

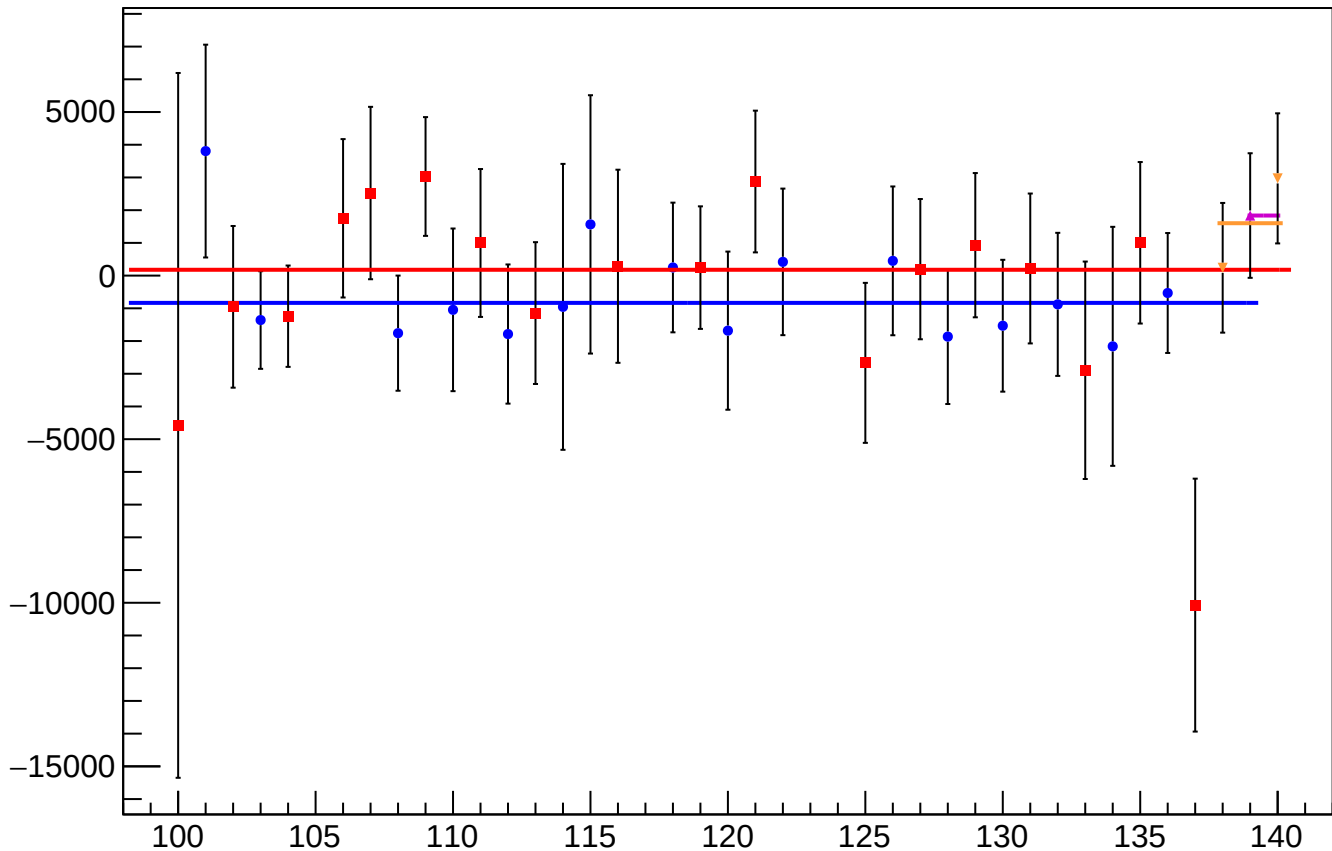
Left In: 8400.155+/-6.466 χ^2/NDF : 0.0/0

+ sign 6115.556+/-1.489 χ^2/NDF : 733986.1/17

All: 5653.585+/-1.016 χ^2/NDF : 2642802.9/36

- sign 5251.735+/-1.389 χ^2/NDF : 1728939.1/18

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542 $\pm$ 554.833 χ^2 /NDF: 4.6/15

Left Out: 1601.323 $\pm$ 1403.711 χ^2 /NDF: 0.9/1

Right Out: 178.133 $\pm$ 547.824 χ^2 /NDF: 16.5/17

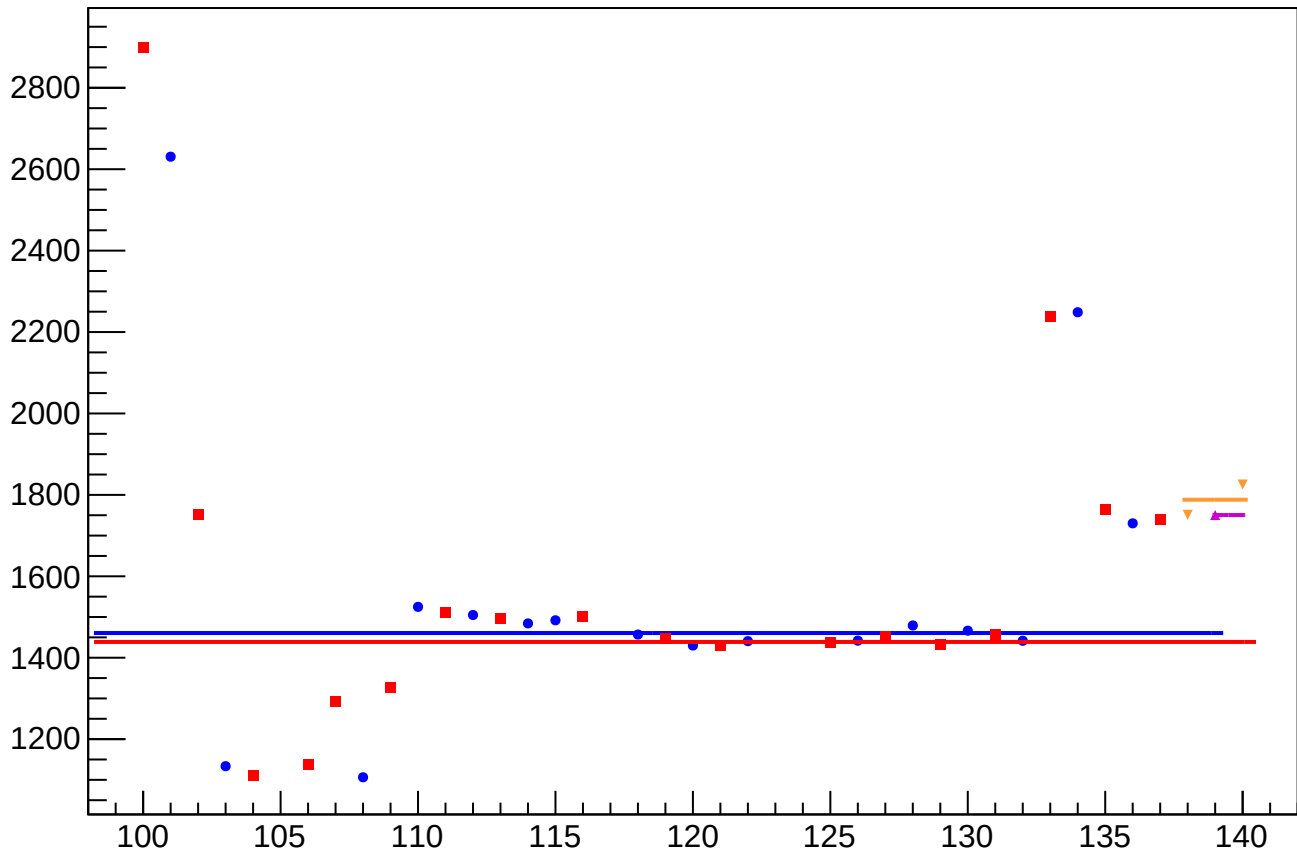
Left In: 1835.842 $\pm$ 1903.997 χ^2 /NDF: 0.0/0

+ sign -504.539 $\pm$ 515.988 χ^2 /NDF: 8.1/17

All: -107.967 $\pm$ 368.507 χ^2 /NDF: 26.5/36

- sign 304.873 $\pm$ 526.465 χ^2 /NDF: 17.2/18

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF : 575736.3/15

Left Out: 1788.091+/-0.993 χ^2/NDF : 1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF : 373375.6/17

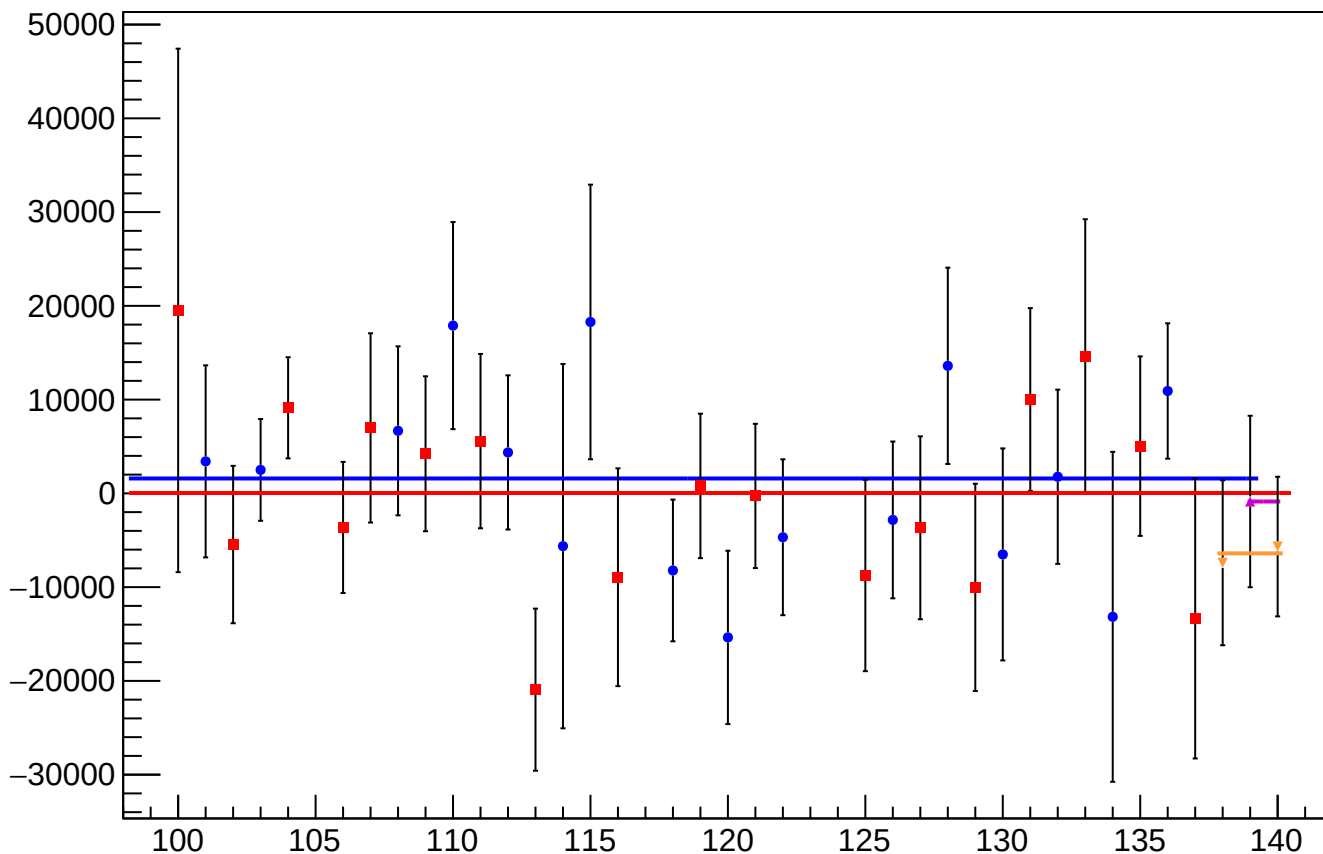
Left In: 1750.530+/-1.346 χ^2/NDF : 0.0/0

+ sign 1504.897+/-0.365 χ^2/NDF : 671261.8/17

All: 1484.080+/-0.260 χ^2/NDF : 1100808.6/30

- sign 1462.499+/-0.371 χ^2/NDF : 422916.6/18

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: 1588.655 $\pm$ 2264.260 χ^2 /NDF: 14.2/15

Left Out: -6396.670 $\pm$ 5682.020 χ^2 /NDF: 0.0/1

Right Out: 40.643 $\pm$ 2133.039 χ^2 /NDF: 16.5/17

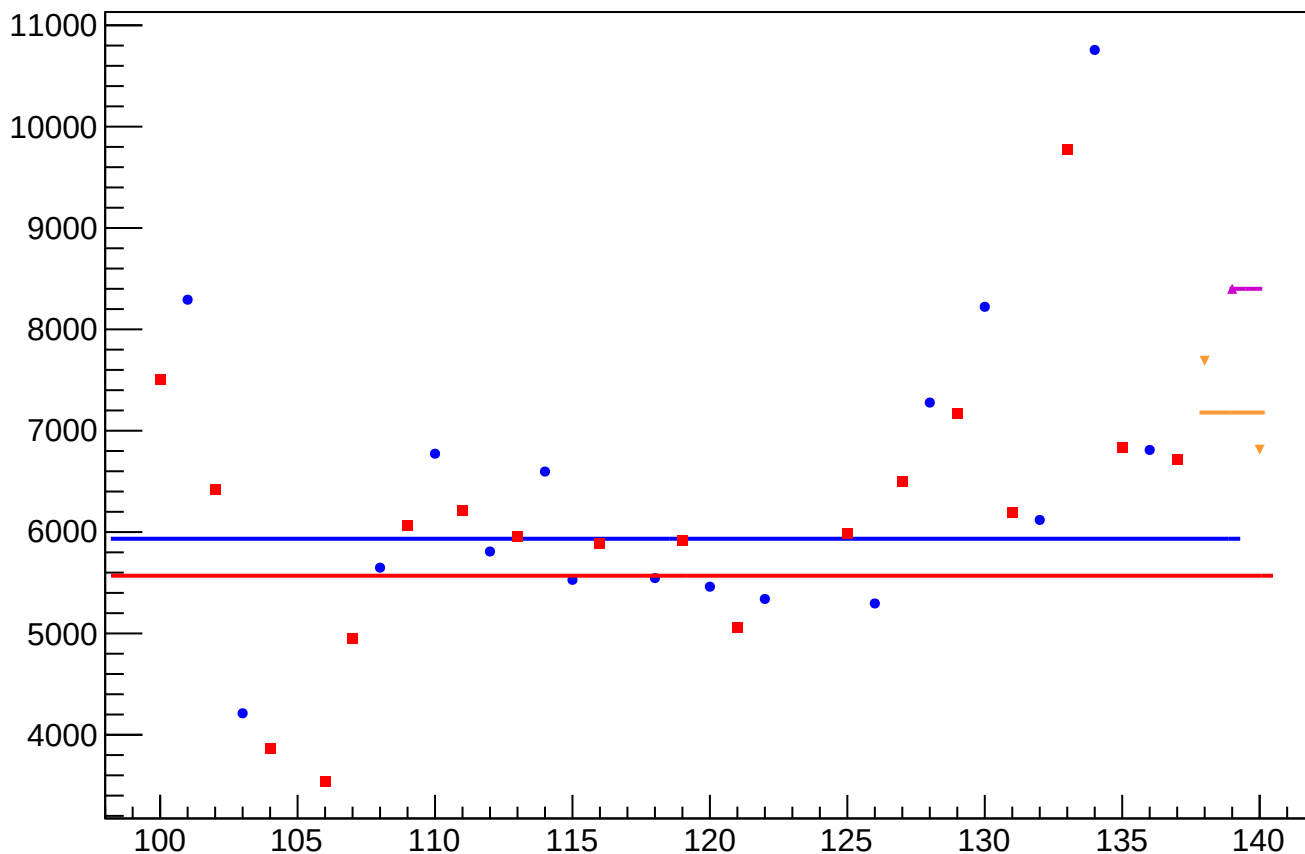
Left In: -867.301 $\pm$ 9144.146 χ^2 /NDF: 0.0/0

+ sign 494.367 $\pm$ 2103.402 χ^2 /NDF: 15.9/17

All: 240.948 $\pm$ 1478.005 χ^2 /NDF: 32.4/36

- sign -6.213 $\pm$ 2077.271 χ^2 /NDF: 16.5/18

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209 $\pm$ 1.601 χ^2/NDF : 653082.9/15

Left Out: 7179.242 $\pm$ 4.018 χ^2/NDF : 11596.6/1

Right Out: 5569.606 $\pm$ 1.508 χ^2/NDF : 724048.8/17

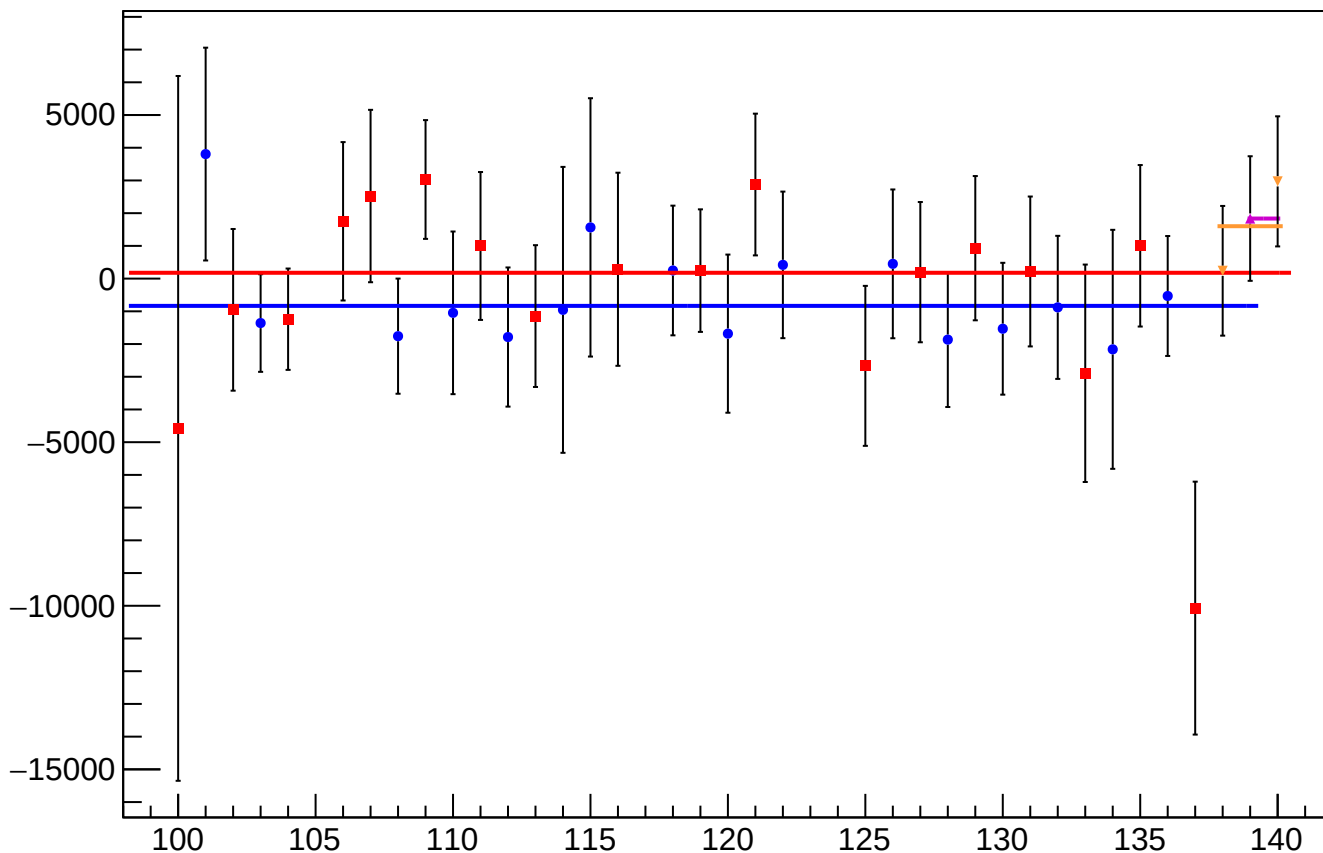
Left In: 8400.146 $\pm$ 6.466 χ^2/NDF : 0.0/0

+ sign 6104.825 $\pm$ 1.487 χ^2/NDF : 747545.8/17

All: 5907.820 $\pm$ 1.045 χ^2/NDF : 1687999.0/30

- sign 5715.679 $\pm$ 1.469 χ^2/NDF : 905797.4/18

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542 $\pm$ 554.833 χ^2 /NDF: 4.6/15

Left Out: 1601.323 $\pm$ 1403.711 χ^2 /NDF: 0.9/1

Right Out: 178.133 $\pm$ 547.824 χ^2 /NDF: 16.5/17

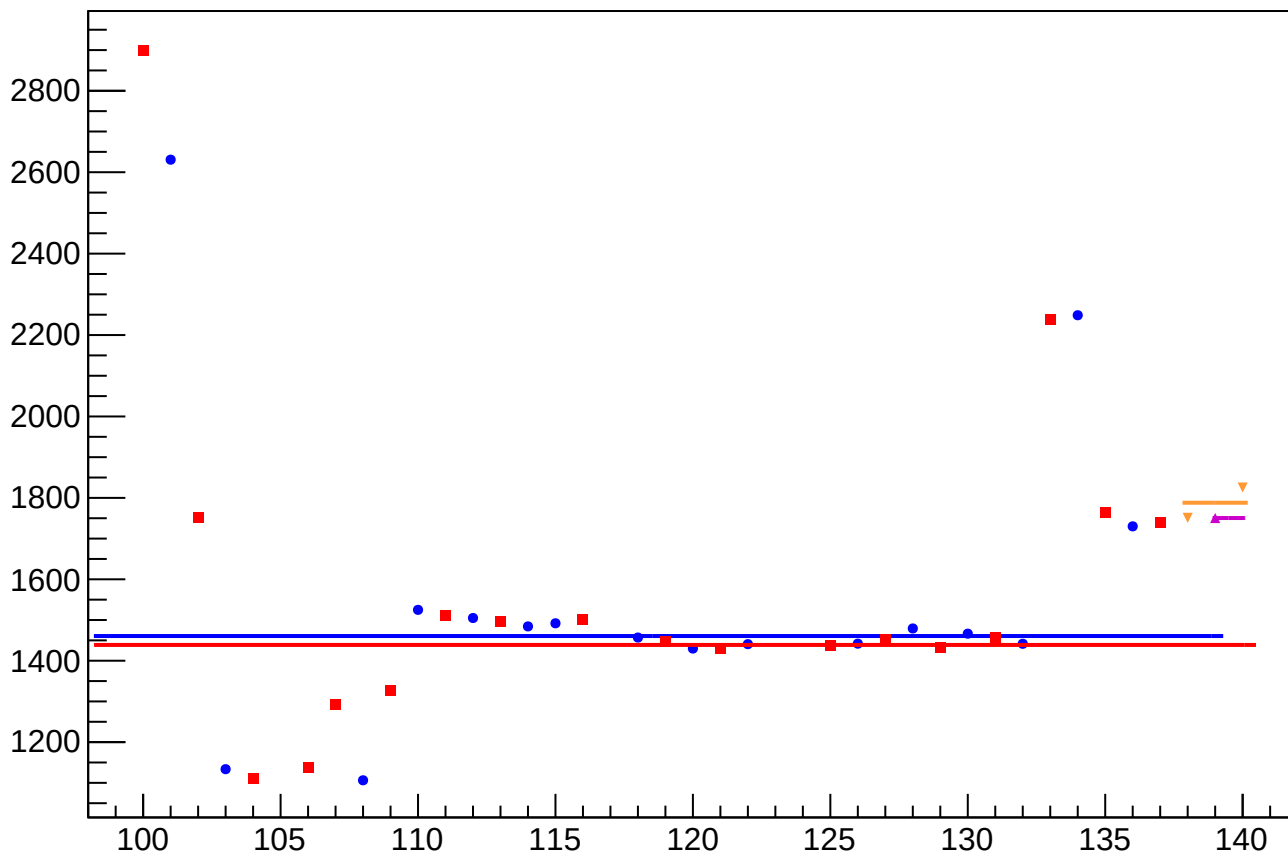
Left In: 1835.842 $\pm$ 1903.997 χ^2 /NDF: 0.0/0

+ sign -504.539 $\pm$ 515.988 χ^2 /NDF: 8.1/17

All: -107.967 $\pm$ 368.507 χ^2 /NDF: 26.5/36

- sign 304.873 $\pm$ 526.465 χ^2 /NDF: 17.2/18

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: 1788.091+/-0.993 χ^2/NDF : 1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF : 373375.6/17

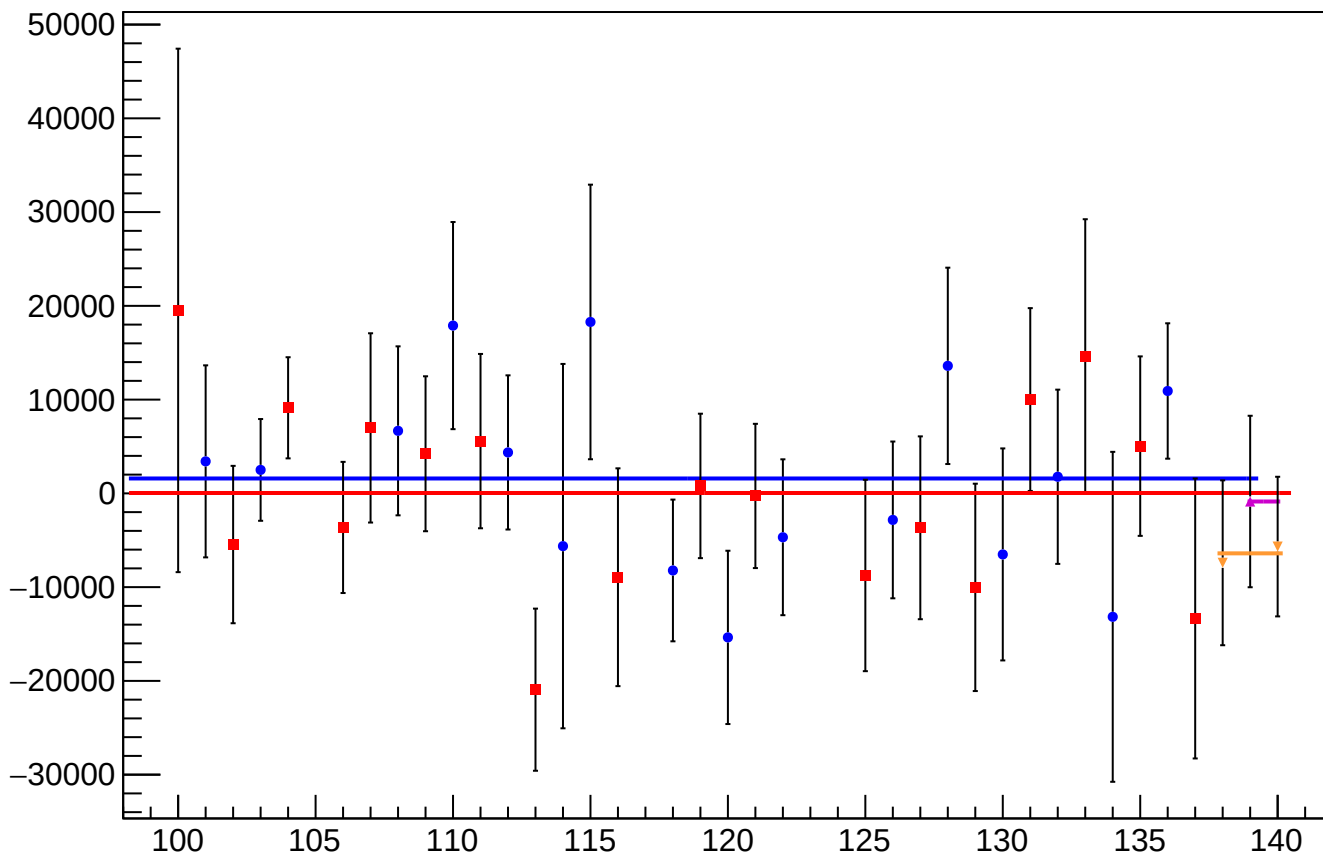
Left In: 1750.530+/-1.346 χ^2/NDF : 0.0/0

+ sign 1504.897+/-0.365 χ^2/NDF : 671261.8/17

All: 1484.080+/-0.260 χ^2/NDF : 1100808.6/30

- sign 1462.499+/-0.371 χ^2/NDF : 422916.6/18

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 1588.655+/-2264.260 χ^2/NDF : 14.2/15

Left Out: -6396.670+/-5682.020 χ^2/NDF : 0.0/1

Right Out: 40.643+/-2133.039 χ^2/NDF : 16.5/17

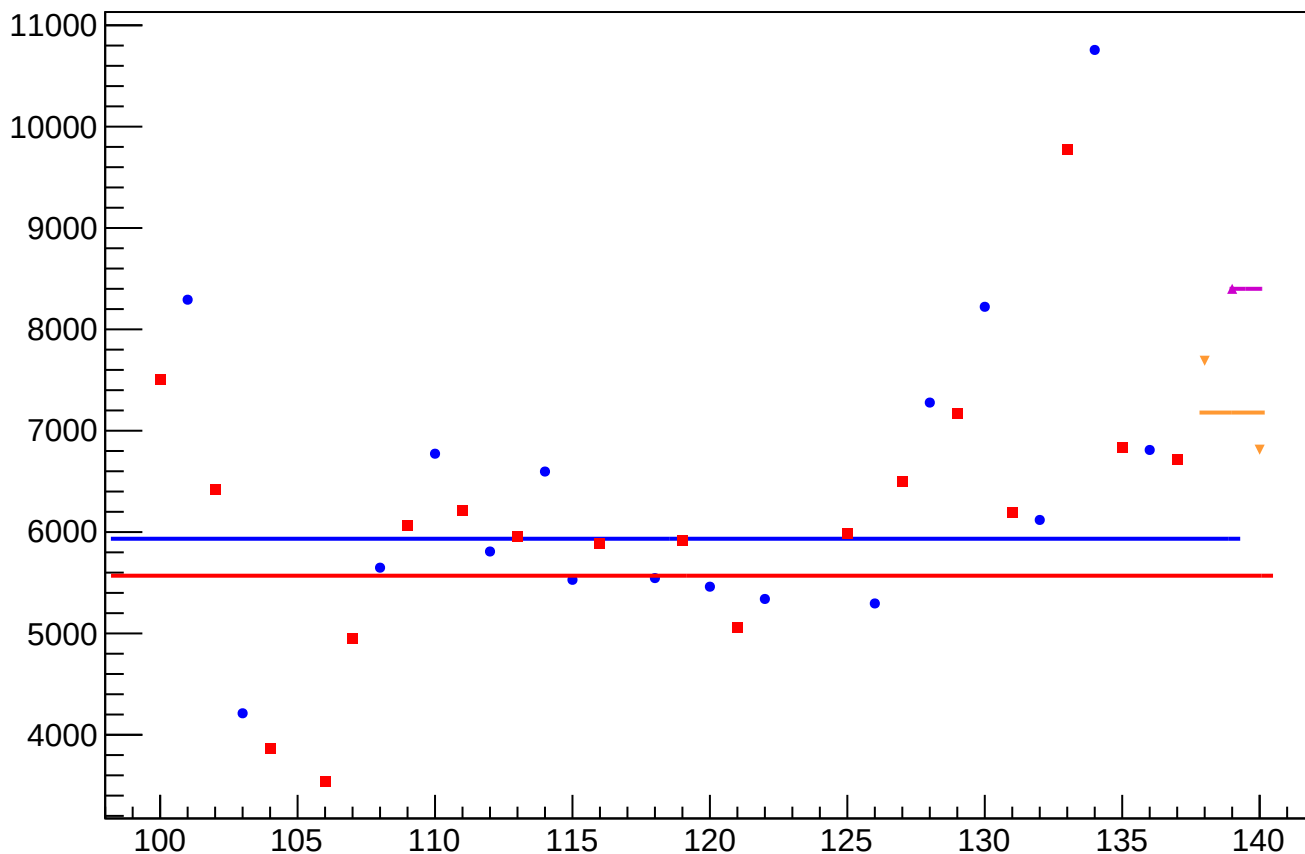
Left In: -867.301+/-9144.146 χ^2/NDF : 0.0/0

+ sign 494.367+/-2103.402 χ^2/NDF : 15.9/17

All: 240.948+/-1478.005 χ^2/NDF : 32.4/36

- sign -6.213+/-2077.271 χ^2/NDF : 16.5/18

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF : 653082.9/15

Left Out: 7179.242+/-4.018 χ^2/NDF : 11596.6/1

Right Out: 5569.606+/-1.508 χ^2/NDF : 724048.8/17

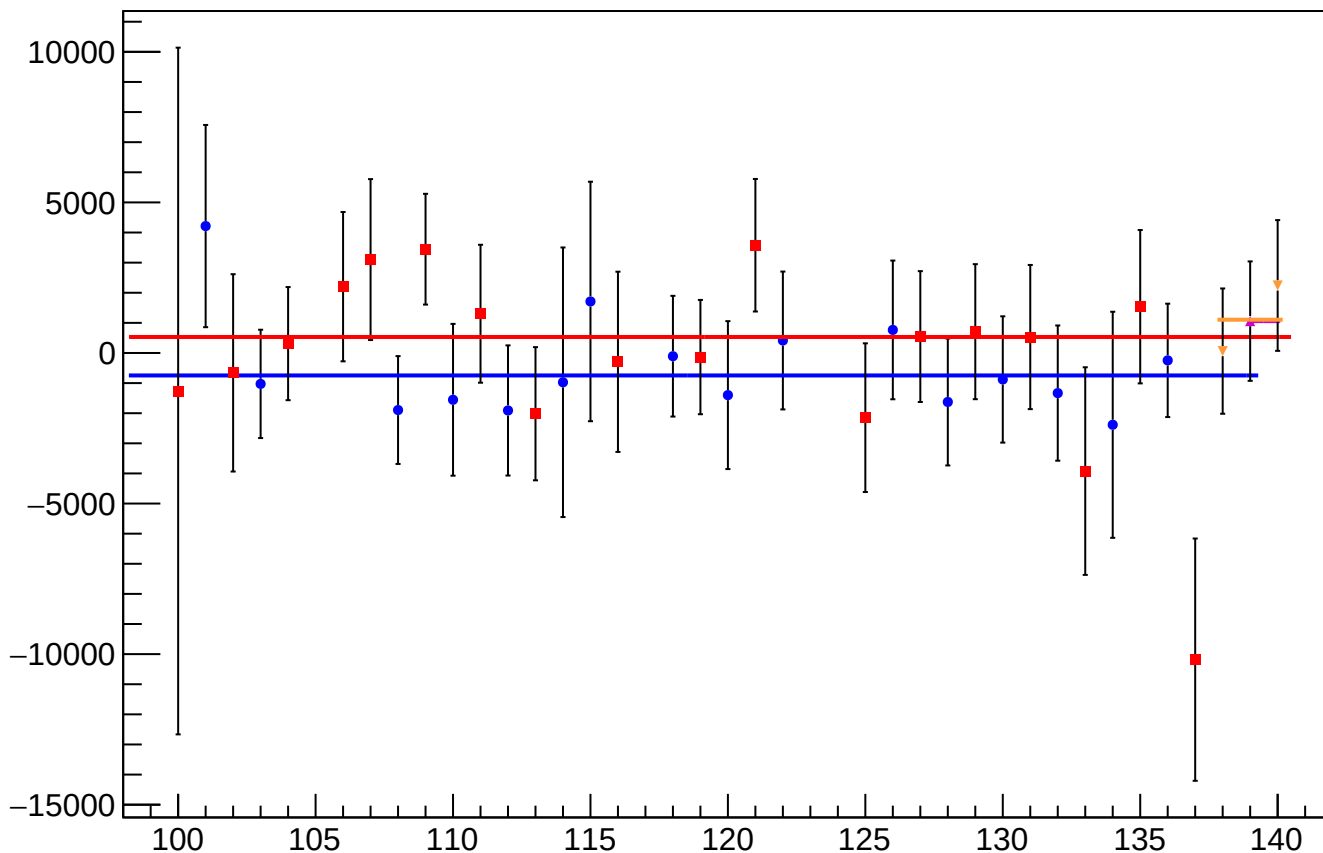
Left In: 8400.146+/-6.466 χ^2/NDF : 0.0/0

+ sign 6104.825+/-1.487 χ^2/NDF : 747545.8/17

All: 5907.820+/-1.045 χ^2/NDF : 1687999.0/30

- sign 5715.679+/-1.469 χ^2/NDF : 905797.4/18

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF : 4.8/15

Left Out: 1105.193+/-1501.976 χ^2/NDF : 0.5/1

Right Out: 531.292+/-575.115 χ^2/NDF : 17.7/17

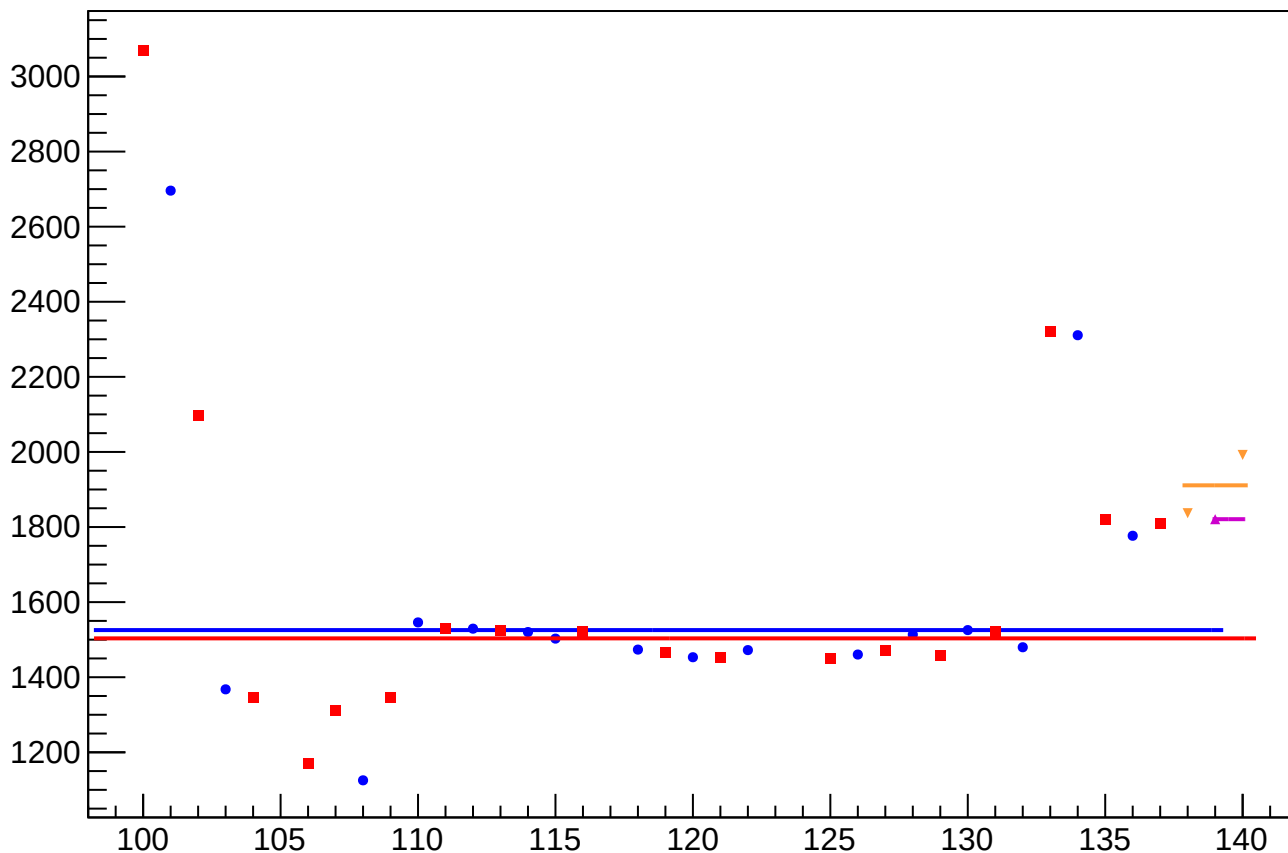
Left In: 1057.934+/-1982.983 χ^2/NDF : 0.0/0

+ sign -507.090+/-539.493 χ^2/NDF : 6.6/17

All: 19.822+/-385.946 χ^2/NDF : 26.4/36

- sign 572.154+/-552.353 χ^2/NDF : 17.8/18

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536 $\pm$ 0.409 χ^2 /NDF: 488328.2/15

Left Out: 1911.076 $\pm$ 1.062 χ^2 /NDF: 5330.8/1

Right Out: 1503.434 $\pm$ 0.407 χ^2 /NDF: 338507.3/17

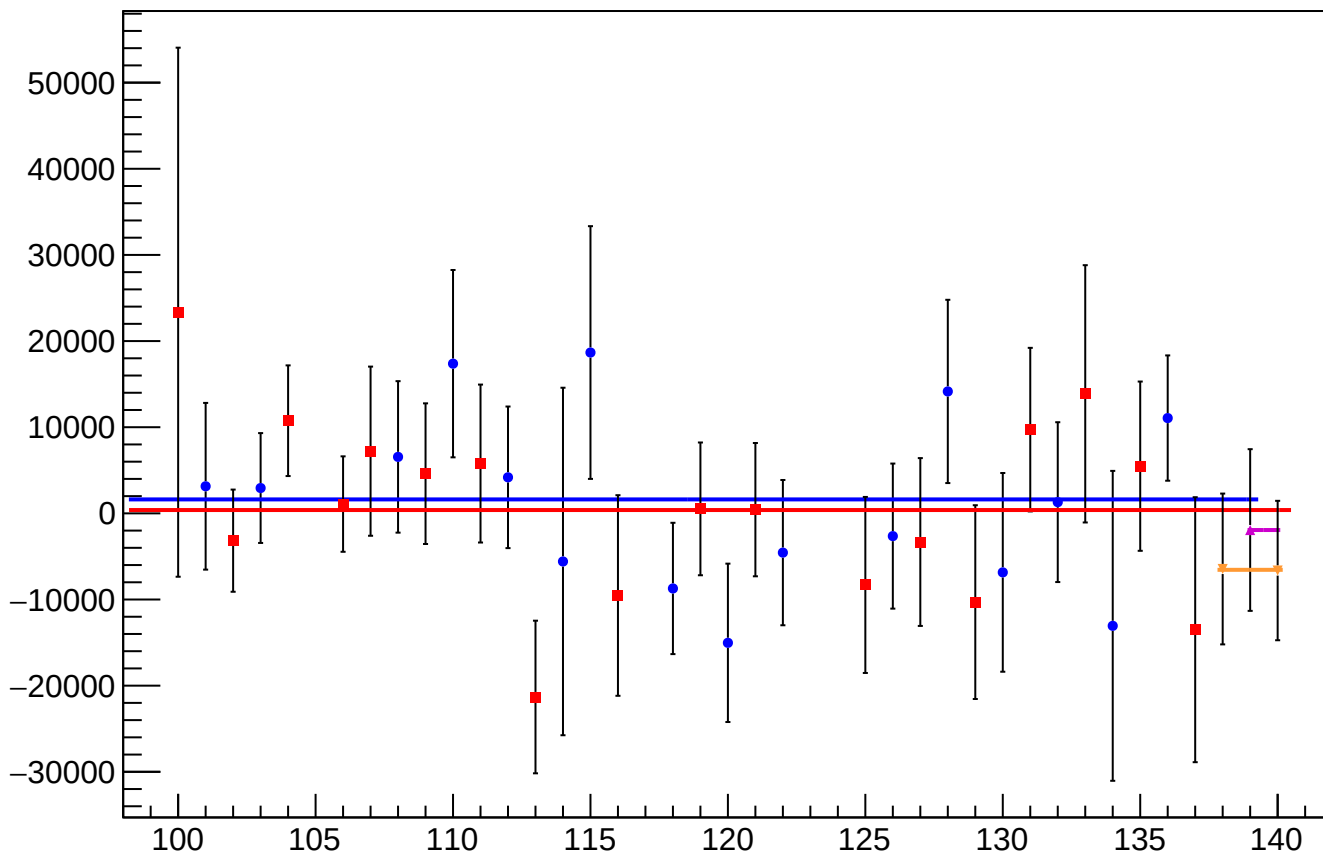
Left In: 1820.919 $\pm$ 1.402 χ^2 /NDF: 0.0/0

+ sign 1575.277 $\pm$ 0.381 χ^2 /NDF: 608435.6/17

All: 1552.215 $\pm$ 0.273 χ^2 /NDF: 1001717.6/30

- sign 1528.054 $\pm$ 0.390 χ^2 /NDF: 385798.6/18

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: 1620.058 $\pm$ 2320.032 χ^2 /NDF: 14.3/15

Left Out: -6554.041 $\pm$ 5942.134 χ^2 /NDF:0.0/1

Right Out: 385.942 $\pm$ 2060.867 χ^2 /NDF: 16.0/17

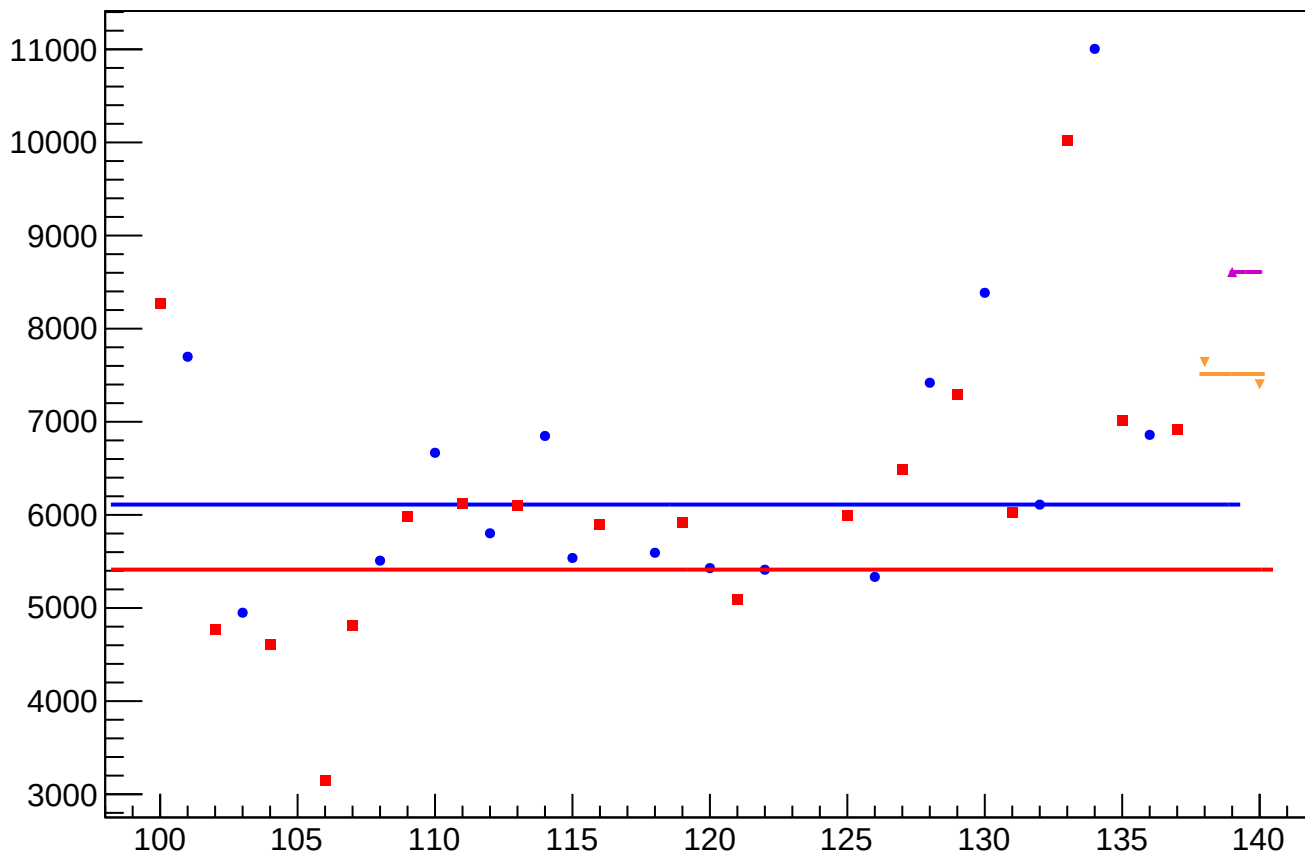
Left In: -1934.159 $\pm$ 9385.027 χ^2 /NDF:0.0/0

+ sign 538.813 $\pm$ 2161.148 χ^2 /NDF: 15.9/17

All: 399.805 $\pm$ 1472.962 χ^2 /NDF: 32.0/36

- sign 279.213 $\pm$ 2012.907 χ^2 /NDF: 16.1/18

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: 7512.884+/-4.202 χ^2/NDF : 804.2/1

Right Out: 5412.276+/-1.457 χ^2/NDF : 821530.3/17

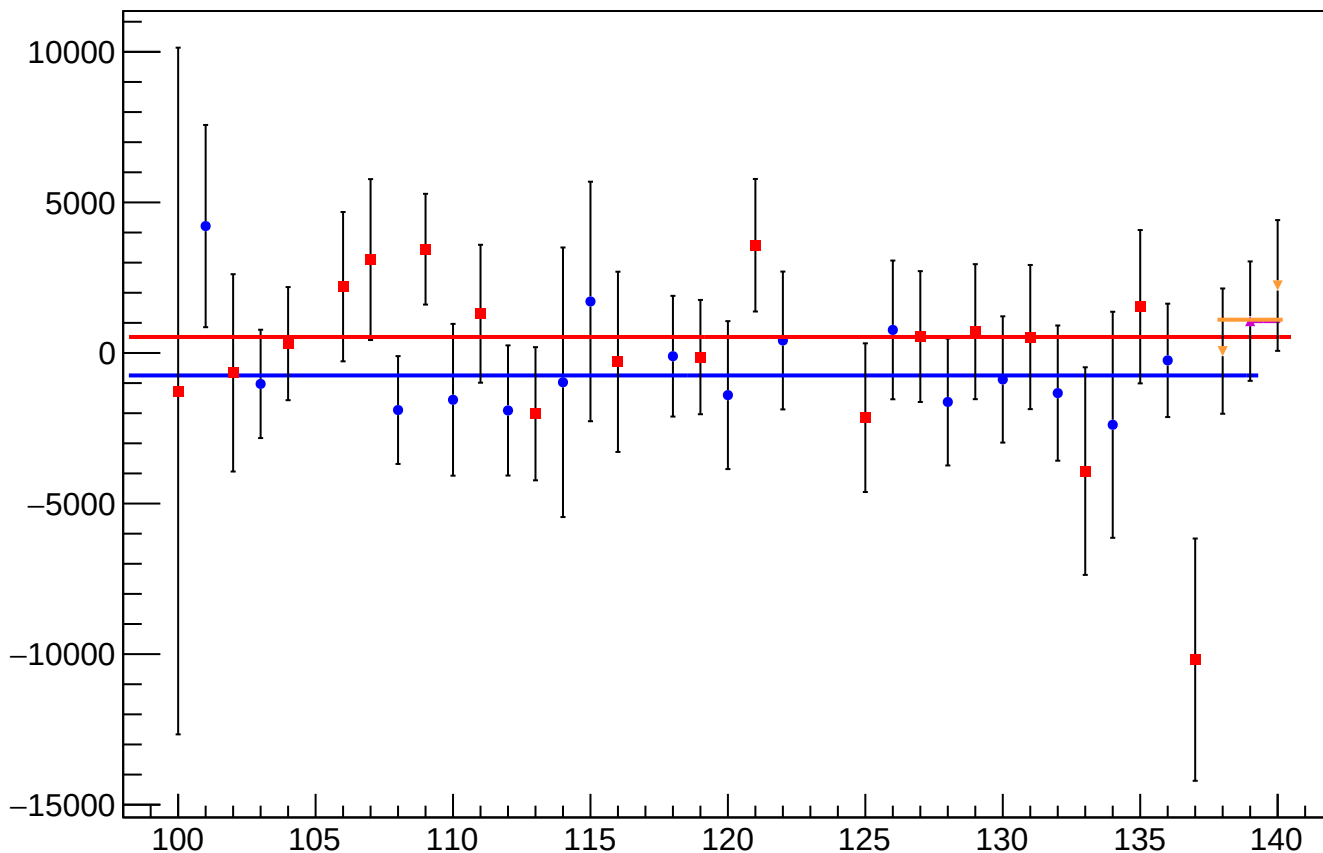
Left In: 8608.479+/-6.636 χ^2/NDF : 0.0/0

+ sign 6296.469+/-1.528 χ^2/NDF : 569054.5/17

All: 5901.741+/-1.042 χ^2/NDF : 1736482.5/30

- sign 5559.308+/-1.423 χ^2/NDF : 1042827.1/18

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.918+/-578.071 χ^2/NDF : 4.8/15

Left Out: 1105.190+/-1501.977 χ^2/NDF : 0.5/1

Right Out: 531.302+/-575.115 χ^2/NDF : 17.7/17

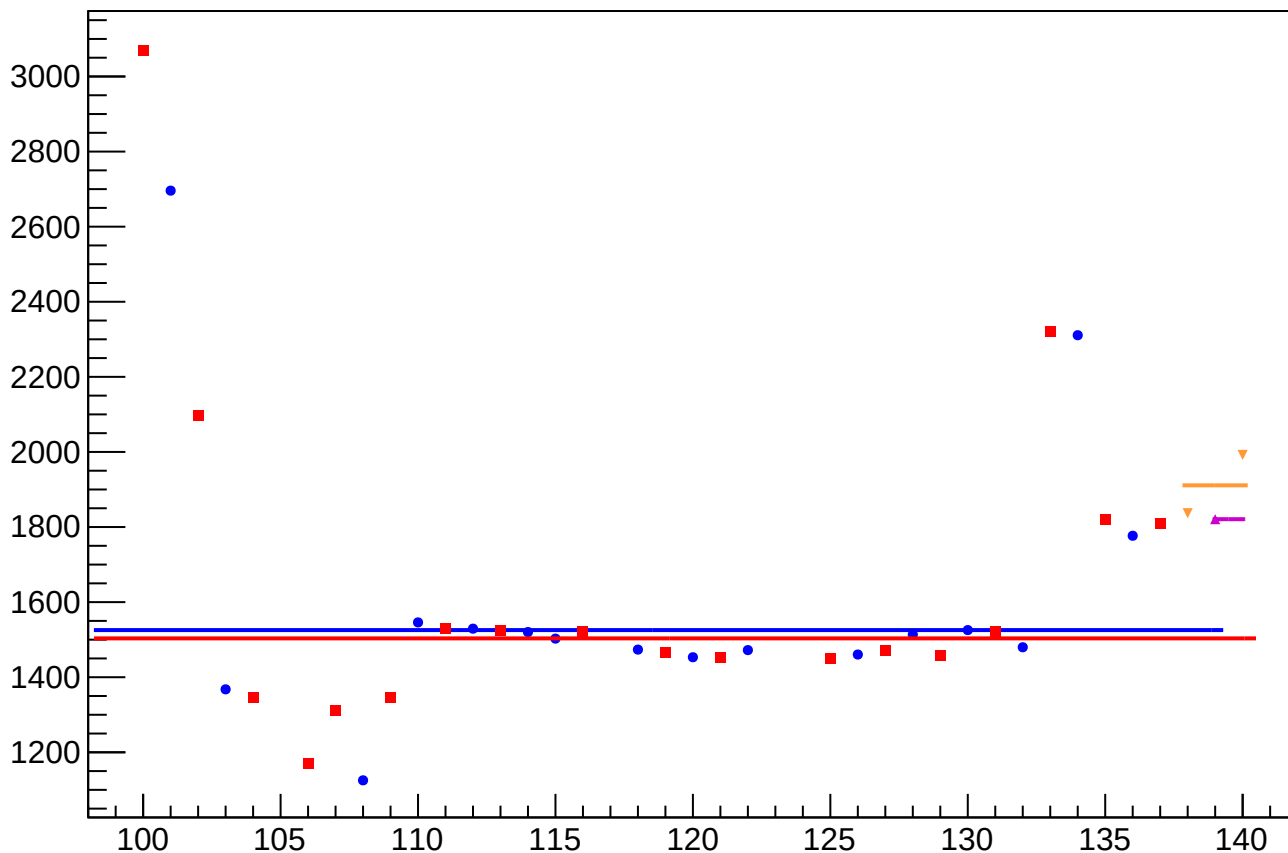
Left In: 1057.898+/-1982.986 χ^2/NDF : 0.0/0

+ sign -507.095+/-539.493 χ^2/NDF : 6.6/17

All: 19.823+/-385.946 χ^2/NDF : 26.4/36

- sign 572.160+/-552.353 χ^2/NDF : 17.8/18

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: 1911.077+/-1.062 χ^2/NDF : 5330.8/1

Right Out: 1503.435+/-0.407 χ^2/NDF : 338507.7/17

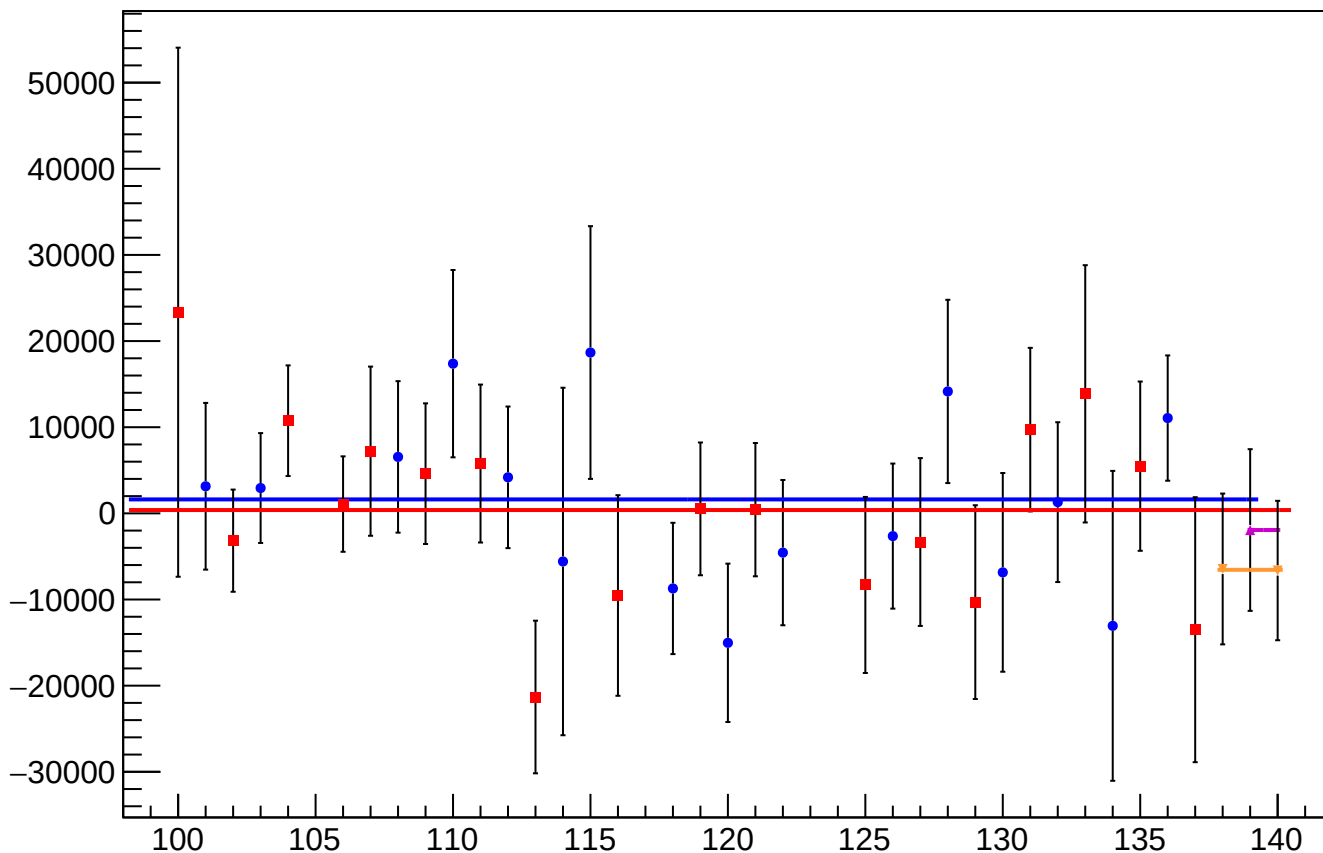
Left In: 1820.922+/-1.402 χ^2/NDF : 0.0/0

+ sign 1575.277+/-0.381 χ^2/NDF : 608435.6/17

All: 1552.216+/-0.273 χ^2/NDF : 1001718.6/30

- sign 1528.055+/-0.390 χ^2/NDF : 385799.7/18

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 1620.038 $\pm$ 2320.027 χ^2 /NDF: 14.3/15

Left Out: -6554.041 $\pm$ 5942.142 χ^2 /NDF:0.0/1

Right Out: 385.948 $\pm$ 2060.863 χ^2 /NDF: 16.0/17

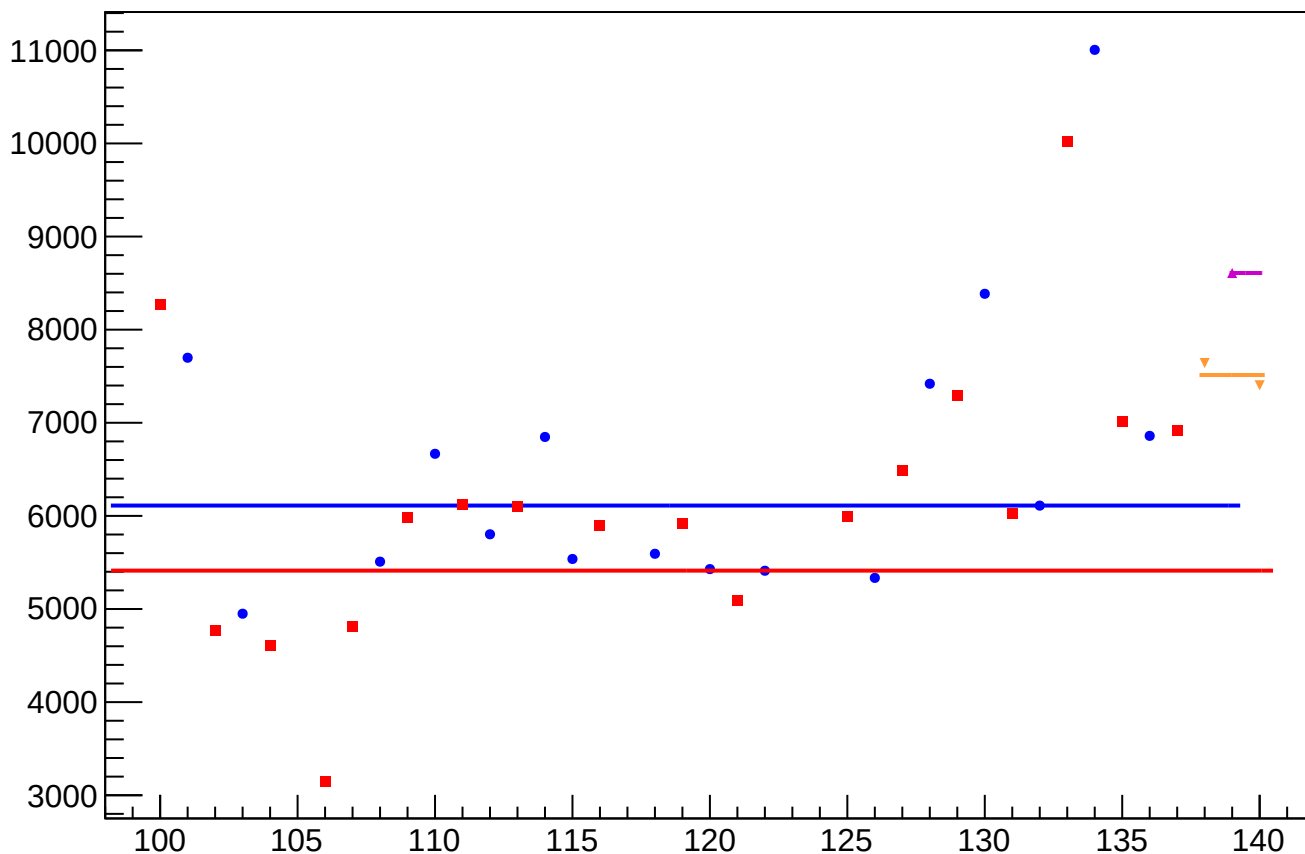
Left In: -1934.200 $\pm$ 9385.053 χ^2 /NDF:0.0/0

+ sign 538.802 $\pm$ 2161.145 χ^2 /NDF: 15.9/17

All: 399.802 $\pm$ 1472.959 χ^2 /NDF: 32.0/36

- sign 279.218 $\pm$ 2012.904 χ^2 /NDF: 16.1/18

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 6111.023+/-1.641 χ^2/NDF : 471663.6/15

Left Out: 7512.894+/-4.202 χ^2/NDF : 804.3/1

Right Out: 5412.265+/-1.457 χ^2/NDF : 821530.5/17

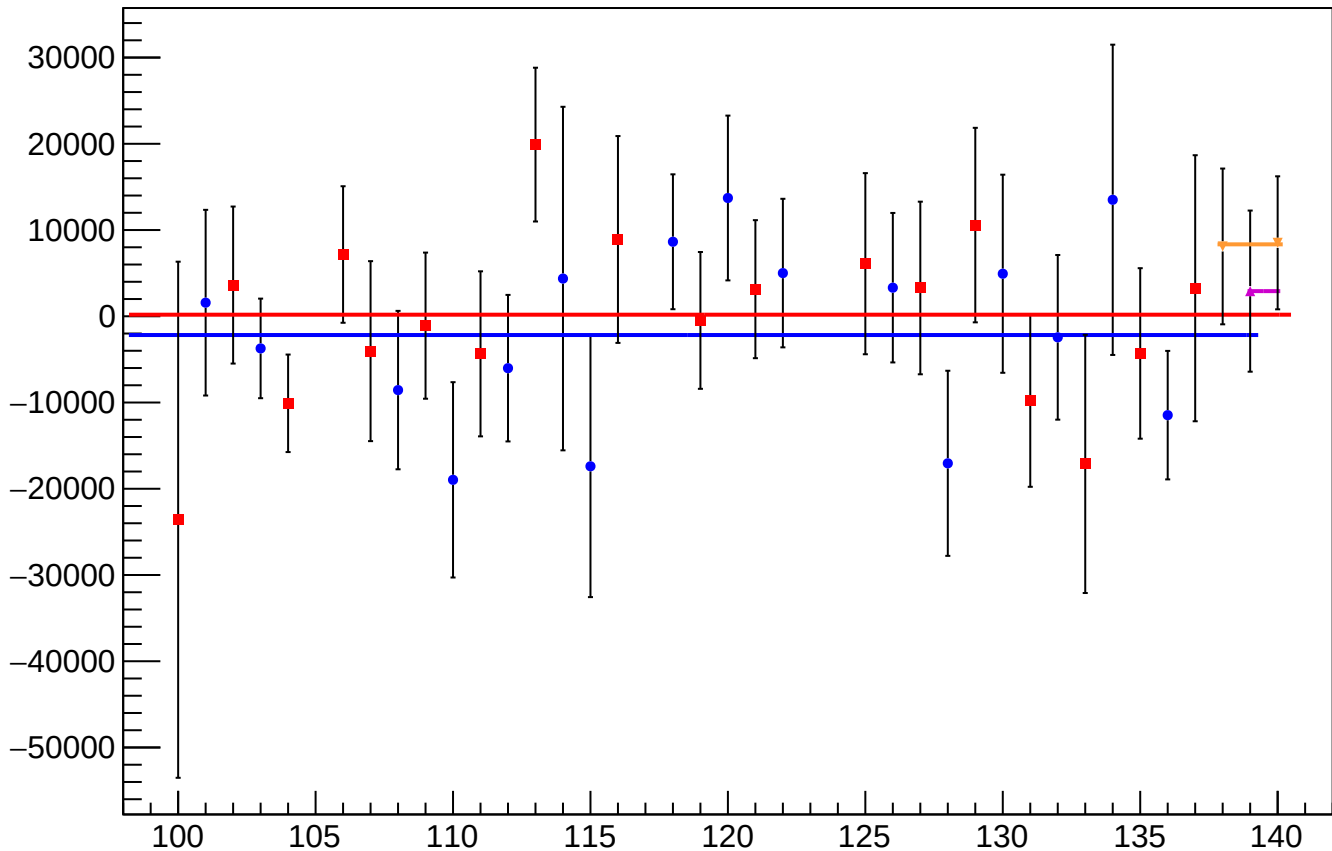
Left In: 8608.503+/-6.636 χ^2/NDF : 0.0/0

+ sign 6296.457+/-1.528 χ^2/NDF : 569060.0/17

All: 5901.730+/-1.042 χ^2/NDF : 1736492.2/30

- sign 5559.297+/-1.423 χ^2/NDF : 1042831.1/18

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048 ± 2347.664 χ^2/NDF : 14.6/15

Left Out: 8340.987 ± 5864.767 χ^2/NDF : 0.0/1

Right Out: 183.559 ± 2228.883 χ^2/NDF : 14.7/17

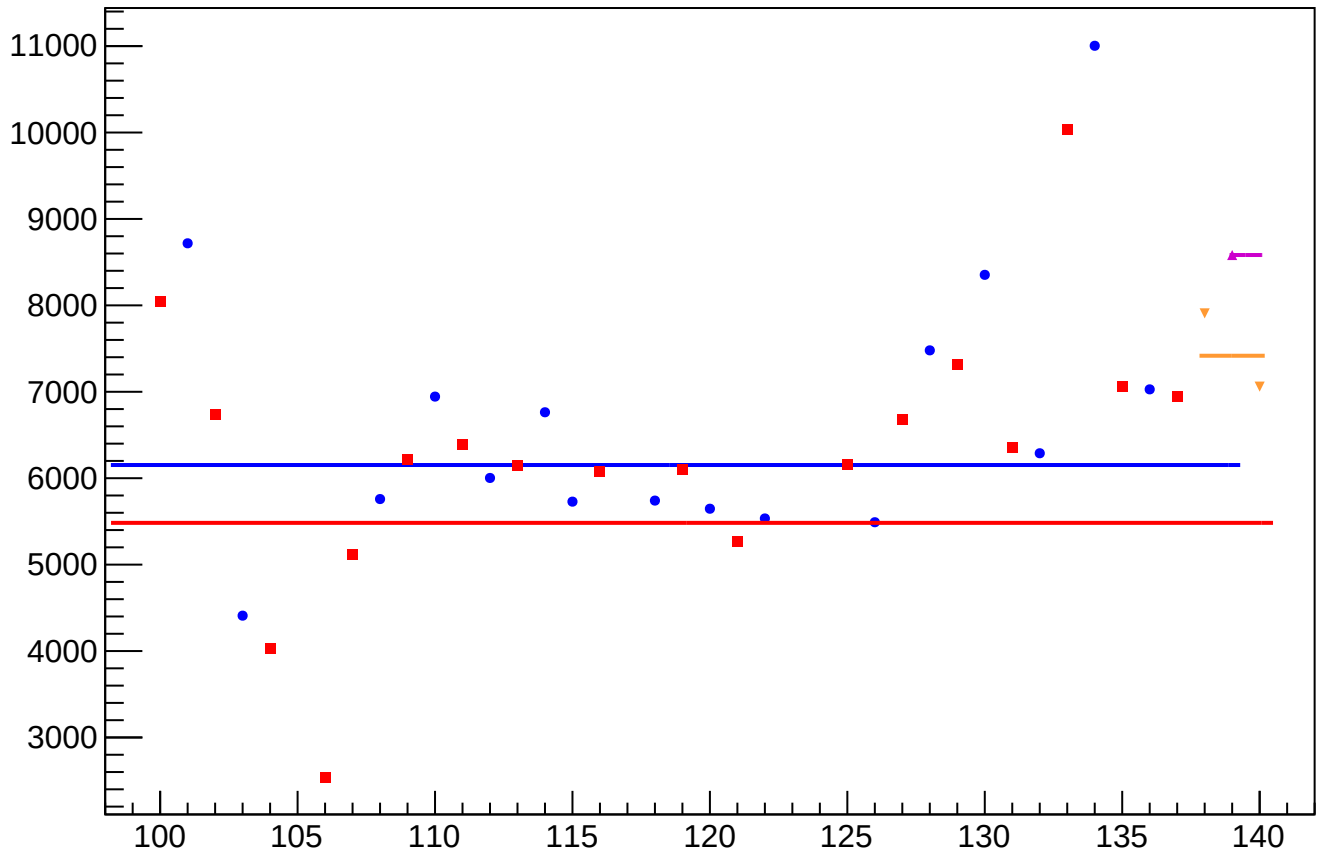
Left In: 2916.054 ± 9342.100 χ^2/NDF : 0.0/0

+ sign -721.825 ± 2179.526 χ^2/NDF : 17.4/17

All: -192.768 ± 1537.077 χ^2/NDF : 32.2/36

- sign 330.723 ± 2168.032 χ^2/NDF : 14.7/18

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF : 624026.7/15

Left Out: 7417.098+/-4.147 χ^2/NDF : 10189.0/1

Right Out: 5483.337+/-1.519 χ^2/NDF : 1148712.9/17

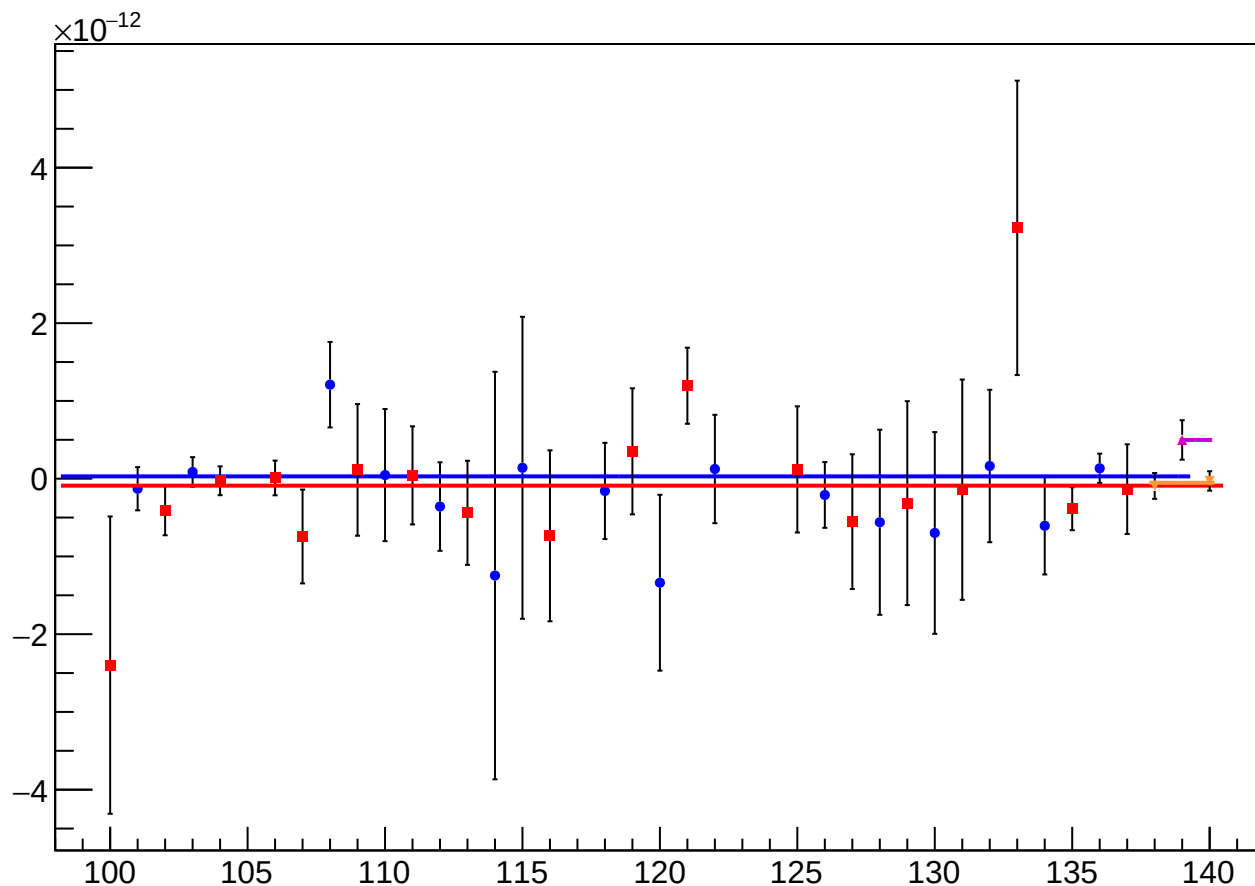
Left In: 8582.654+/-6.606 χ^2/NDF : 0.0/0

+ sign 6327.314+/-1.541 χ^2/NDF : 714338.4/17

All: 5969.454+/-1.068 χ^2/NDF : 2175813.2/30

- sign 5639.075+/-1.481 χ^2/NDF : 1357778.4/18

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.5/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/17

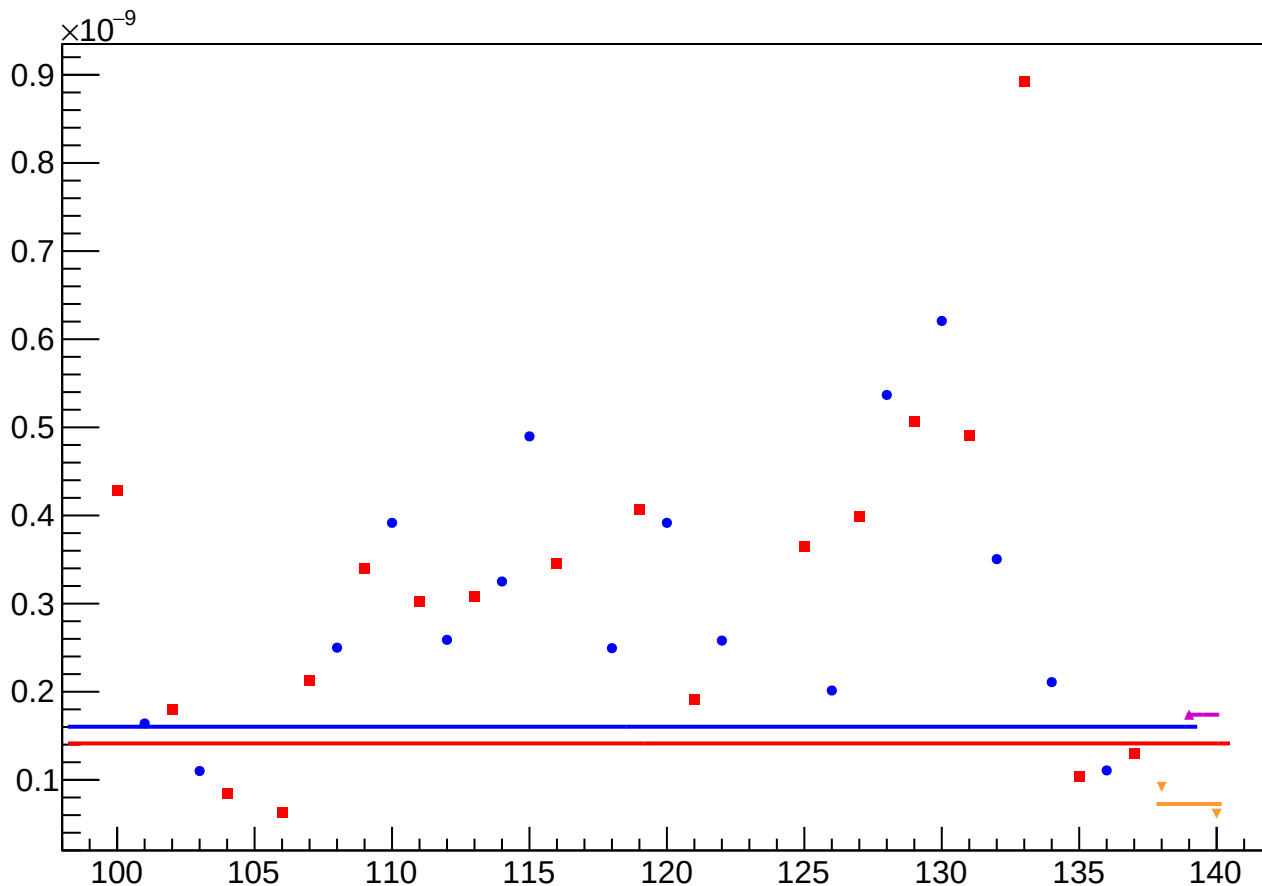
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.0/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/18

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 43018.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2165946.2/17

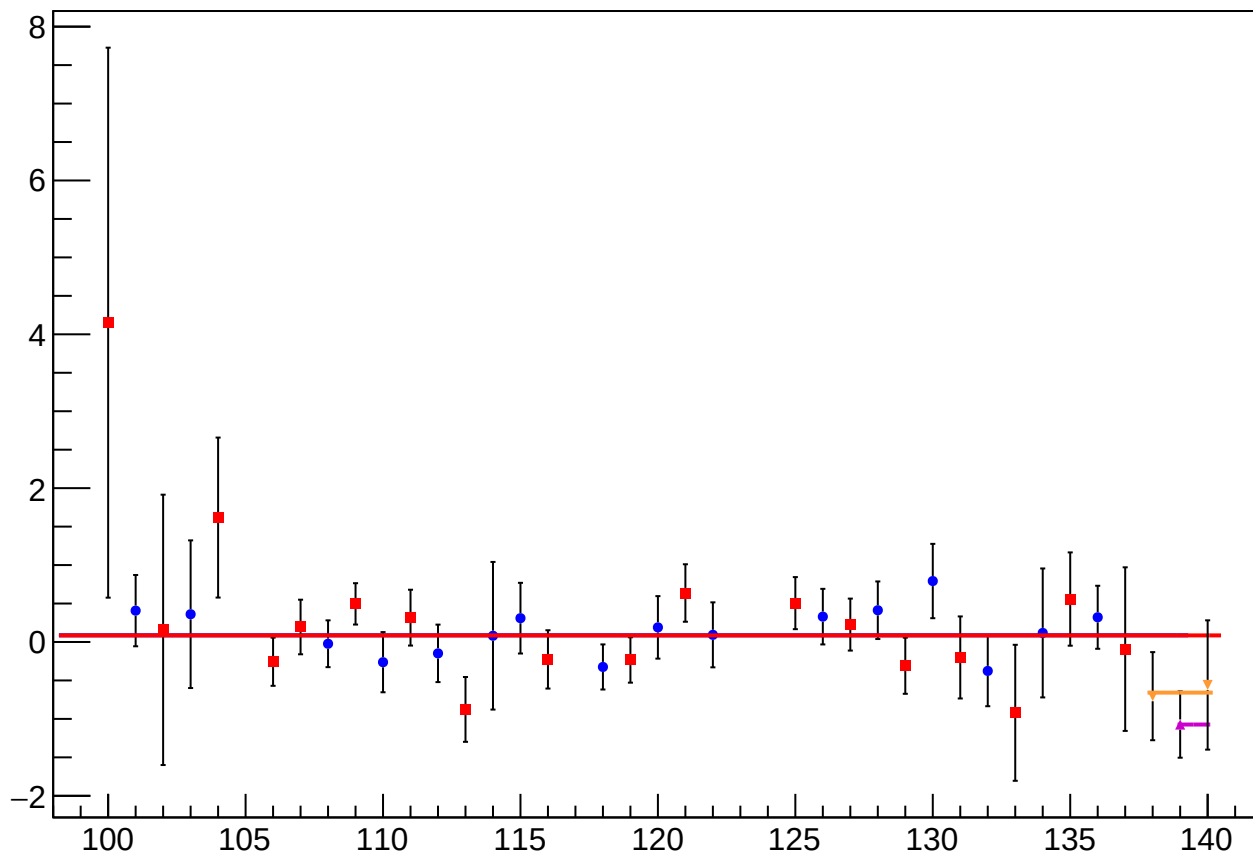
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2115669.0/17

All: 0.000+/-0.000 χ^2/NDF : 4446732.4/36

- sign 0.000+/-0.000 χ^2/NDF : 2194335.4/18

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: -0.658 ± 0.473 χ^2/NDF : 0.0/1

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

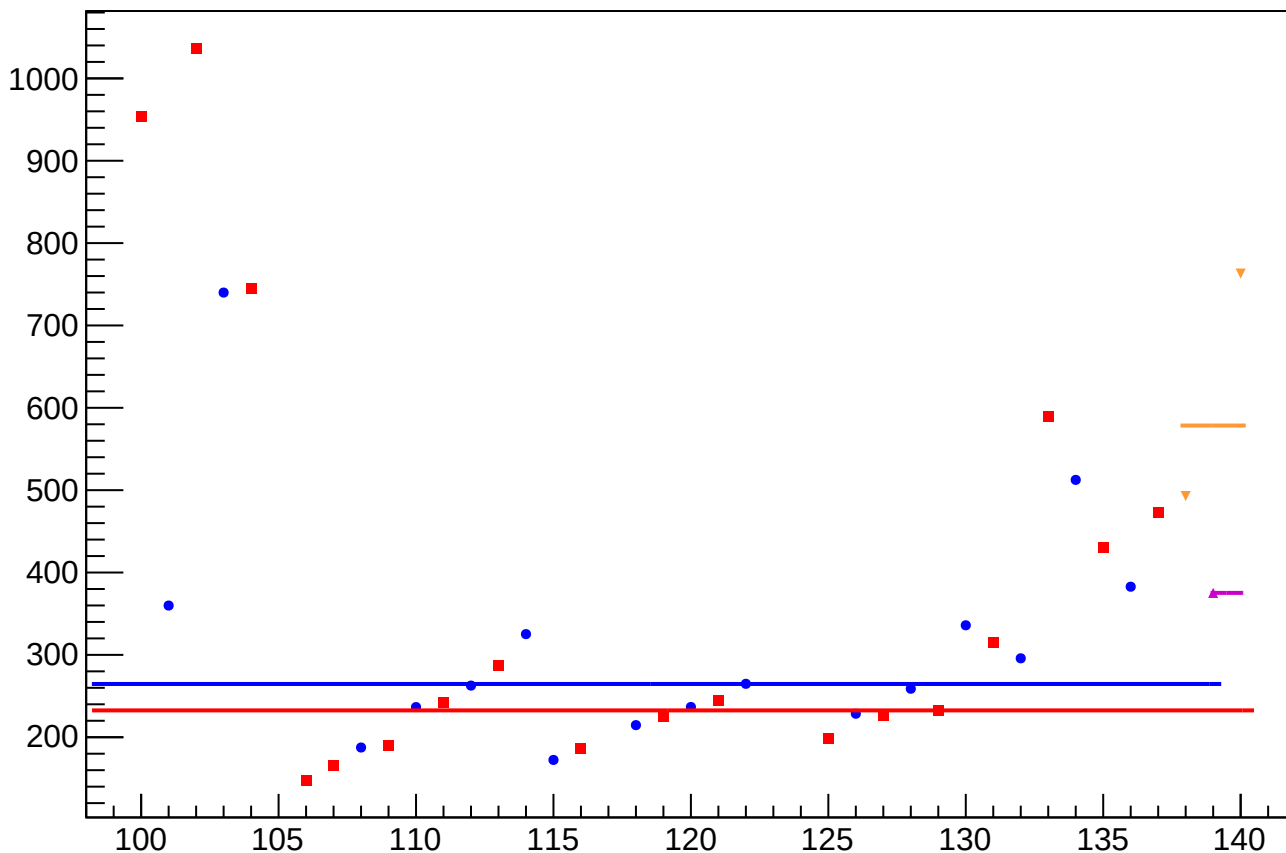
Left In: -1.073 ± 0.431 χ^2/NDF : 0.0/0

+ sign 0.052 ± 0.103 χ^2/NDF : 11.2/17

All: 0.040 ± 0.070 χ^2/NDF : 39.9/36

- sign 0.029 ± 0.095 χ^2/NDF : 28.7/18

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1284007.6/15

Left Out: 578.482 $\pm$ 0.335 χ^2 /NDF:141104.9/1

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032662.7/17

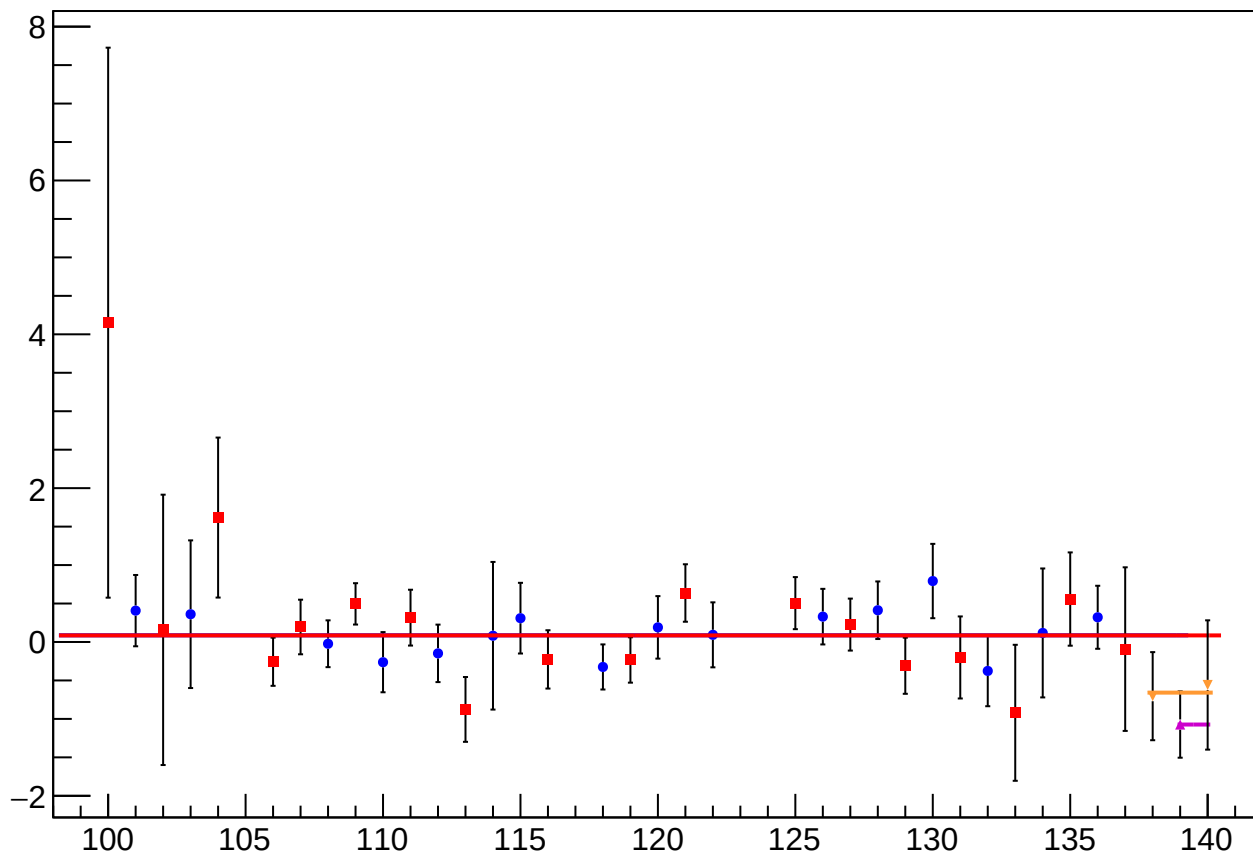
Left In: 375.266 $\pm$ 0.305 χ^2 /NDF:0.0/0

+ sign 279.409 $\pm$ 0.073 χ^2 /NDF: 2263107.7/17

All: 257.921 $\pm$ 0.049 χ^2 /NDF: 4667003.0/36

- sign 239.511 $\pm$ 0.067 χ^2 /NDF: 2240944.7/18

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: -0.658 ± 0.473 χ^2/NDF : 0.0/1

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

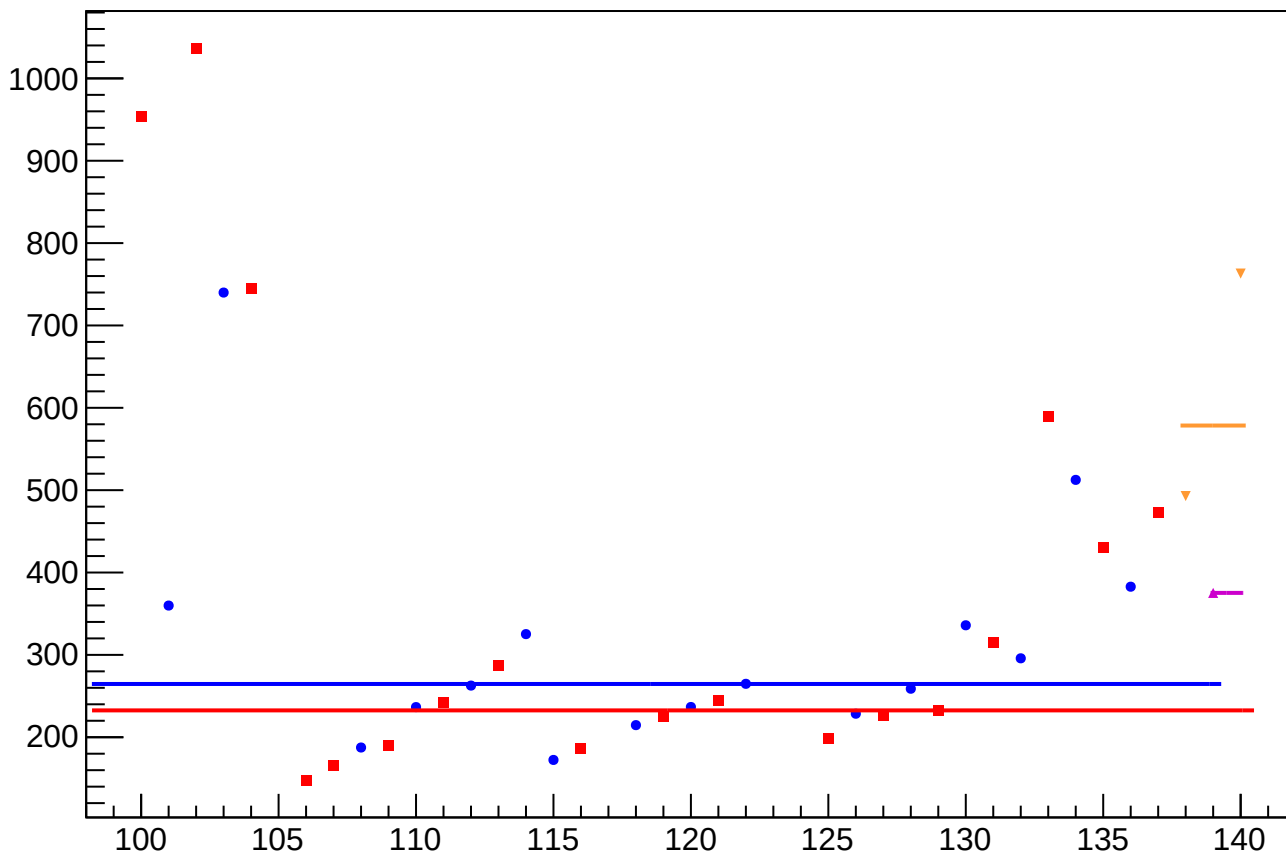
Left In: -1.073 ± 0.431 χ^2/NDF : 0.0/0

+ sign 0.052 ± 0.103 χ^2/NDF : 11.2/17

All: 0.040 ± 0.070 χ^2/NDF : 39.9/36

- sign 0.029 ± 0.095 χ^2/NDF : 28.7/18

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1284007.6/15

Left Out: 578.482 $\pm$ 0.335 χ^2 /NDF:141104.9/1

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032662.7/17

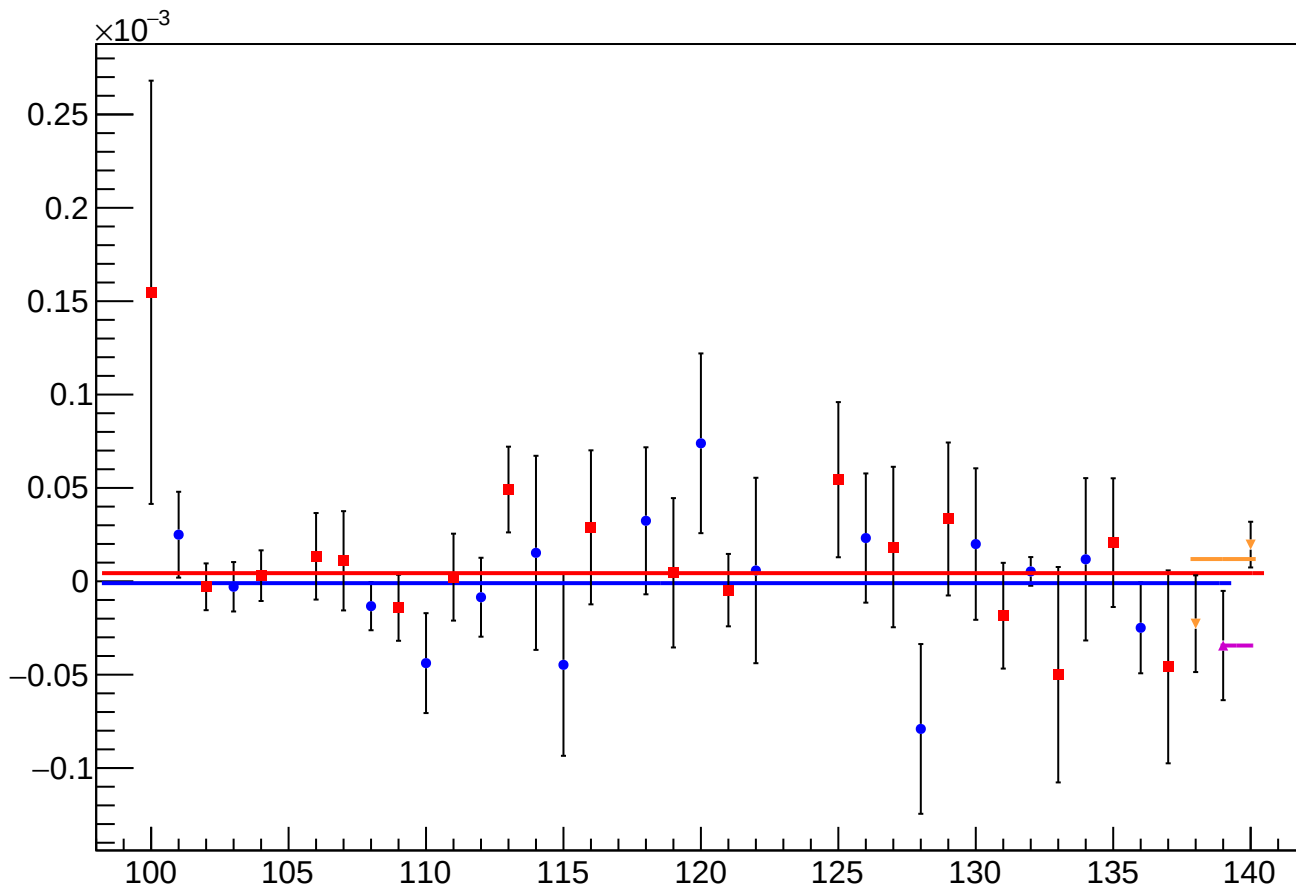
Left In: 375.266 $\pm$ 0.305 χ^2 /NDF:0.0/0

+ sign 279.409 $\pm$ 0.073 χ^2 /NDF: 2263107.7/17

All: 257.921 $\pm$ 0.049 χ^2 /NDF: 4667003.0/36

- sign 239.511 $\pm$ 0.067 χ^2 /NDF: 2240944.7/18

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.6/17

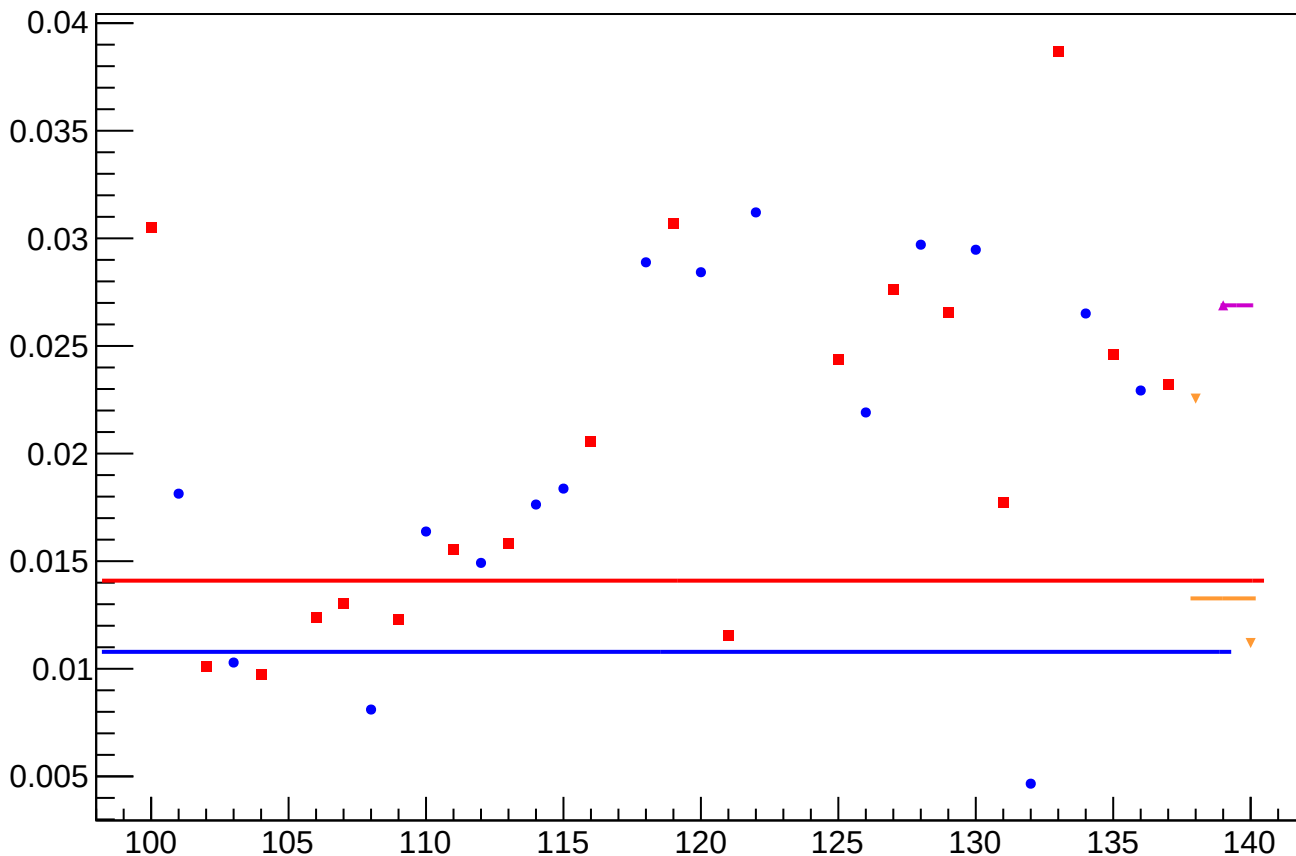
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 17.7/17

All: 0.000 ± 0.000 χ^2/NDF : 32.0/36

- sign 0.000 ± 0.000 χ^2/NDF : 14.3/18

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 4580054.6/15

Left Out: 0.013+/-0.000 χ^2/NDF :314408.5/1

Right Out: 0.014+/-0.000 χ^2/NDF : 2084942.5/17

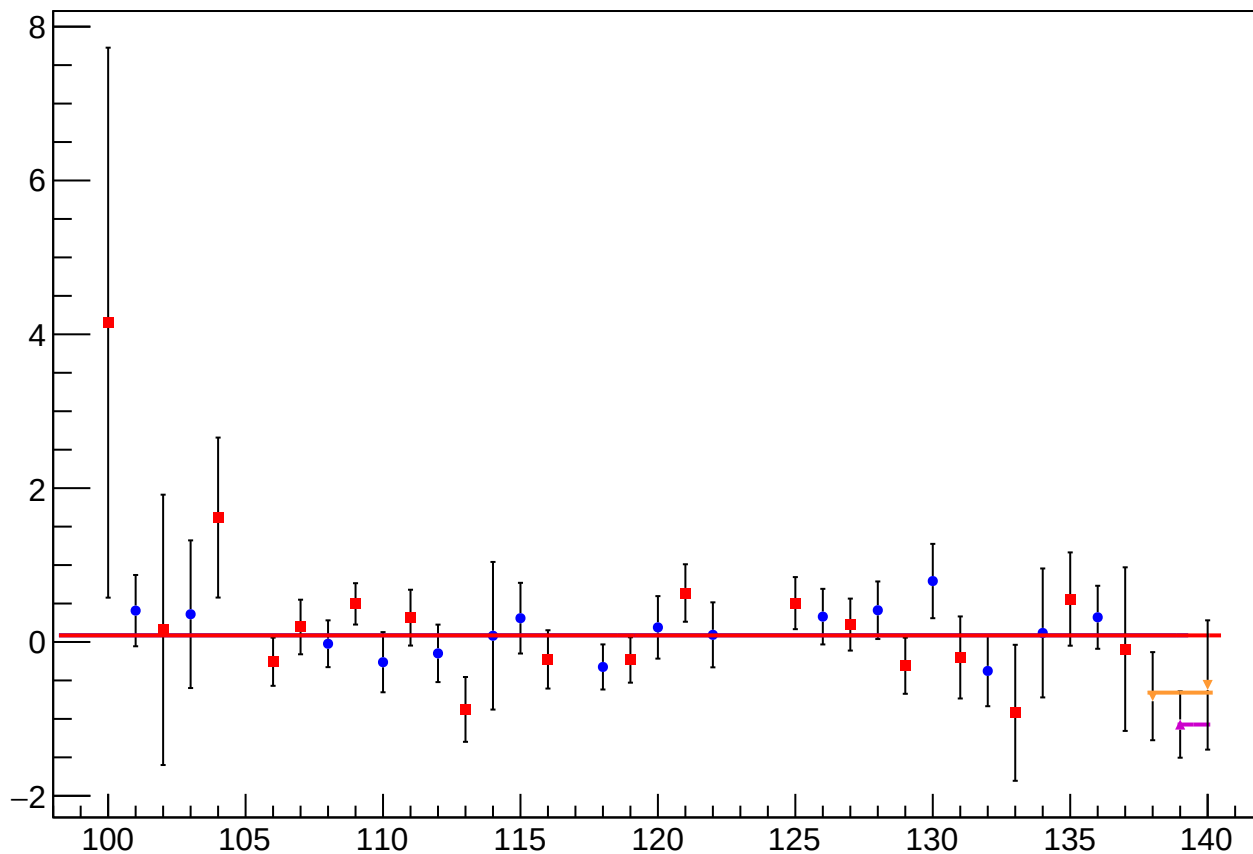
Left In: 0.027+/-0.000 χ^2/NDF :0.0/0

+ sign 0.011+/-0.000 χ^2/NDF : 4978346.9/17

All: 0.013+/-0.000 χ^2/NDF : 7866132.6/36

- sign 0.015+/-0.000 χ^2/NDF : 2453285.7/18

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: -0.658 ± 0.473 χ^2/NDF : 0.0/1

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

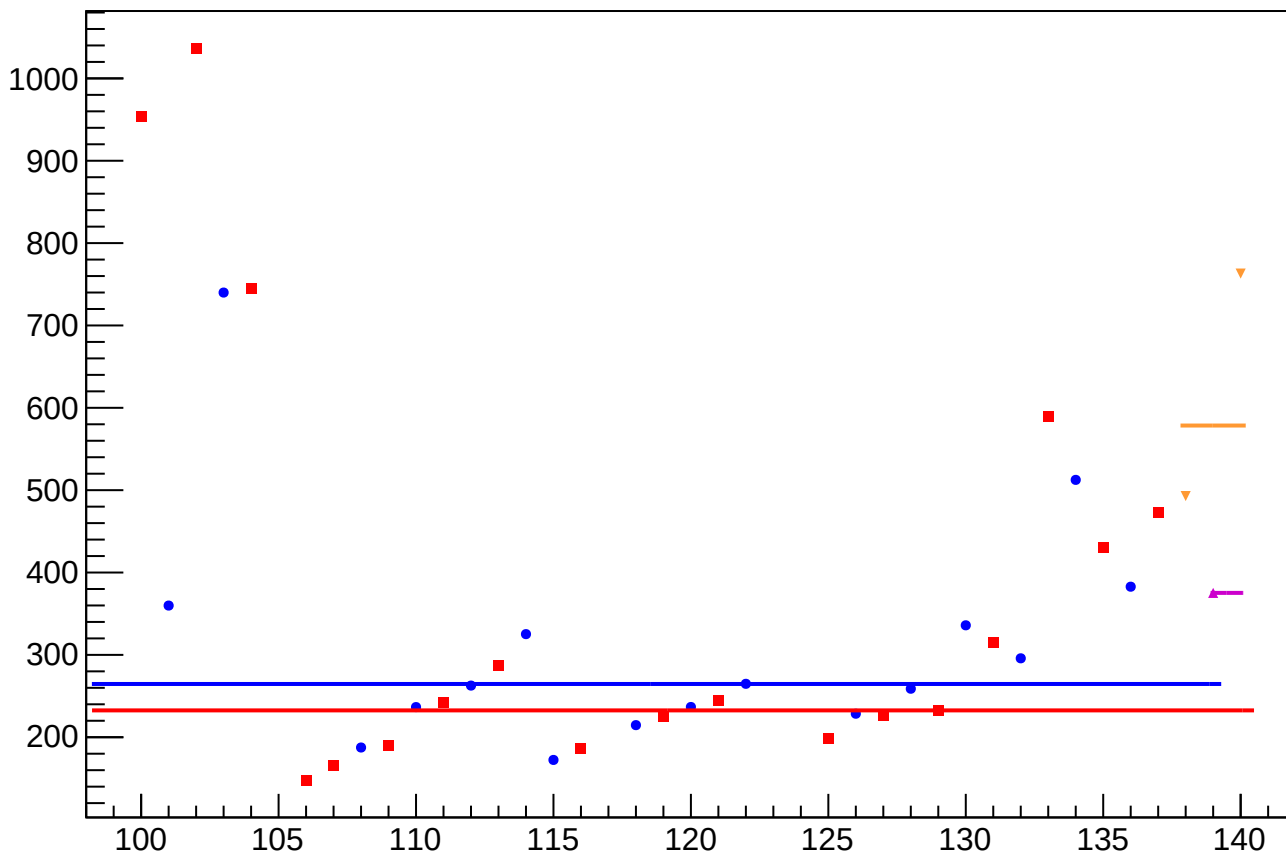
Left In: -1.073 ± 0.431 χ^2/NDF : 0.0/0

+ sign 0.052 ± 0.103 χ^2/NDF : 11.2/17

All: 0.040 ± 0.070 χ^2/NDF : 40.0/36

- sign 0.029 ± 0.095 χ^2/NDF : 28.7/18

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1283977.8/15

Left Out: 578.488 $\pm$ 0.335 χ^2 /NDF: 141099.9/1

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032655.0/17

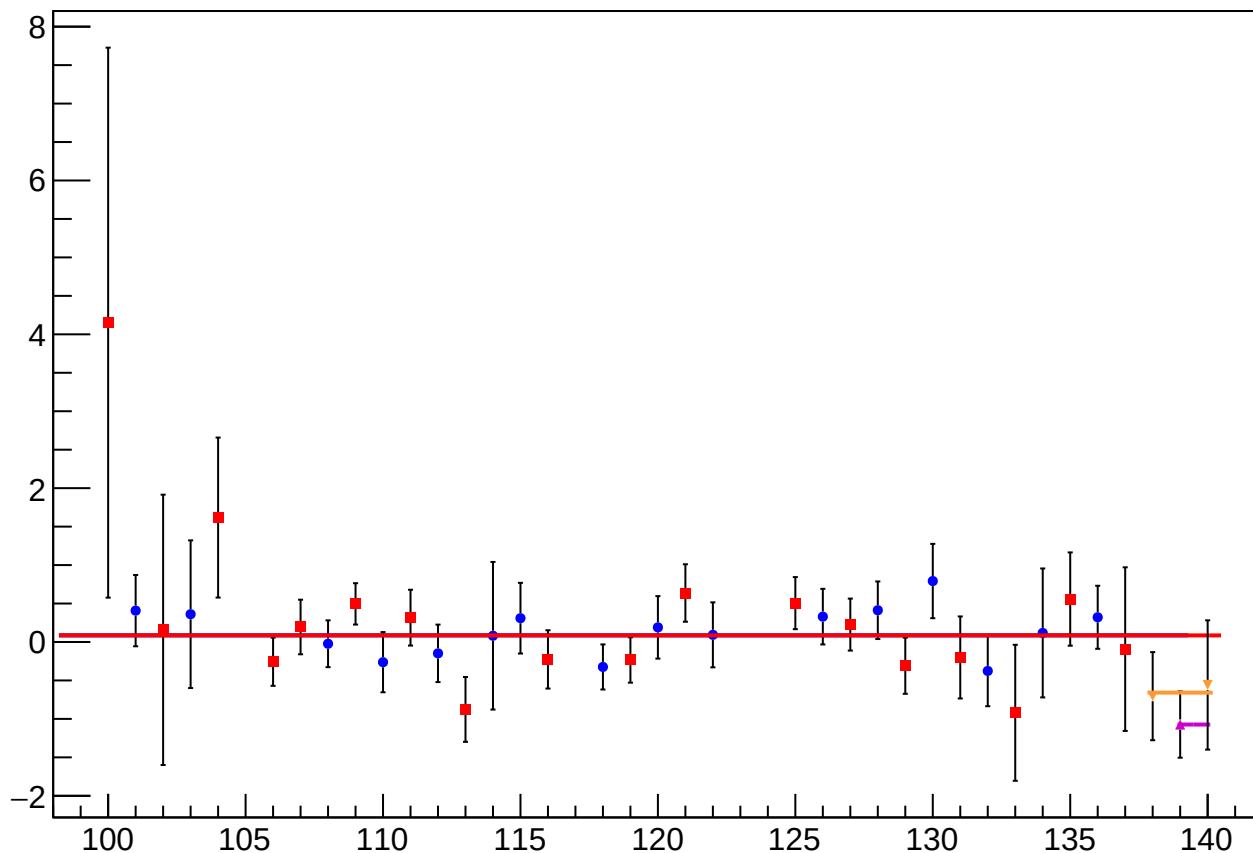
Left In: 375.274 $\pm$ 0.305 χ^2 /NDF: 0.0/0

+ sign 279.409 $\pm$ 0.073 χ^2 /NDF: 2263092.4/17

All: 257.922 $\pm$ 0.049 χ^2 /NDF: 4666985.9/36

- sign 239.512 $\pm$ 0.067 χ^2 /NDF: 2240950.8/18

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 0.105 χ^2 /NDF: 8.8/15

Left Out: -0.658 $\pm$ 0.473 χ^2 /NDF: 0.0/1

Right Out: 0.086 $\pm$ 0.097 χ^2 /NDF: 21.8/17

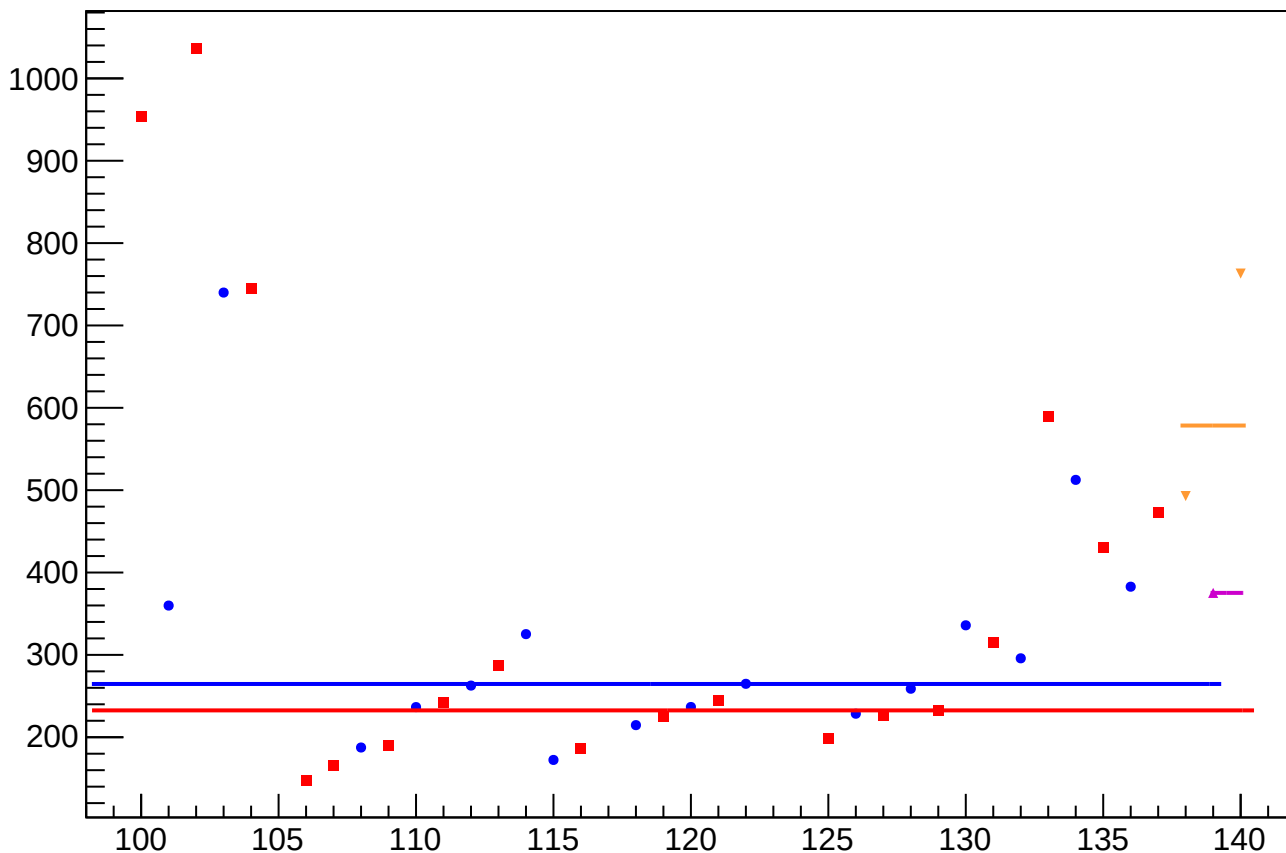
Left In: -1.073 $\pm$ 0.431 χ^2 /NDF: 0.0/0

+ sign 0.052 $\pm$ 0.103 χ^2 /NDF: 11.2/17

All: 0.040 $\pm$ 0.070 χ^2 /NDF: 40.0/36

- sign 0.029 $\pm$ 0.095 χ^2 /NDF: 28.7/18

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667+/-0.074 χ^2/NDF : 1283977.8/15

Left Out: 578.488+/-0.335 χ^2/NDF : 141099.9/1

Right Out: 232.596+/-0.069 χ^2/NDF : 2032655.0/17

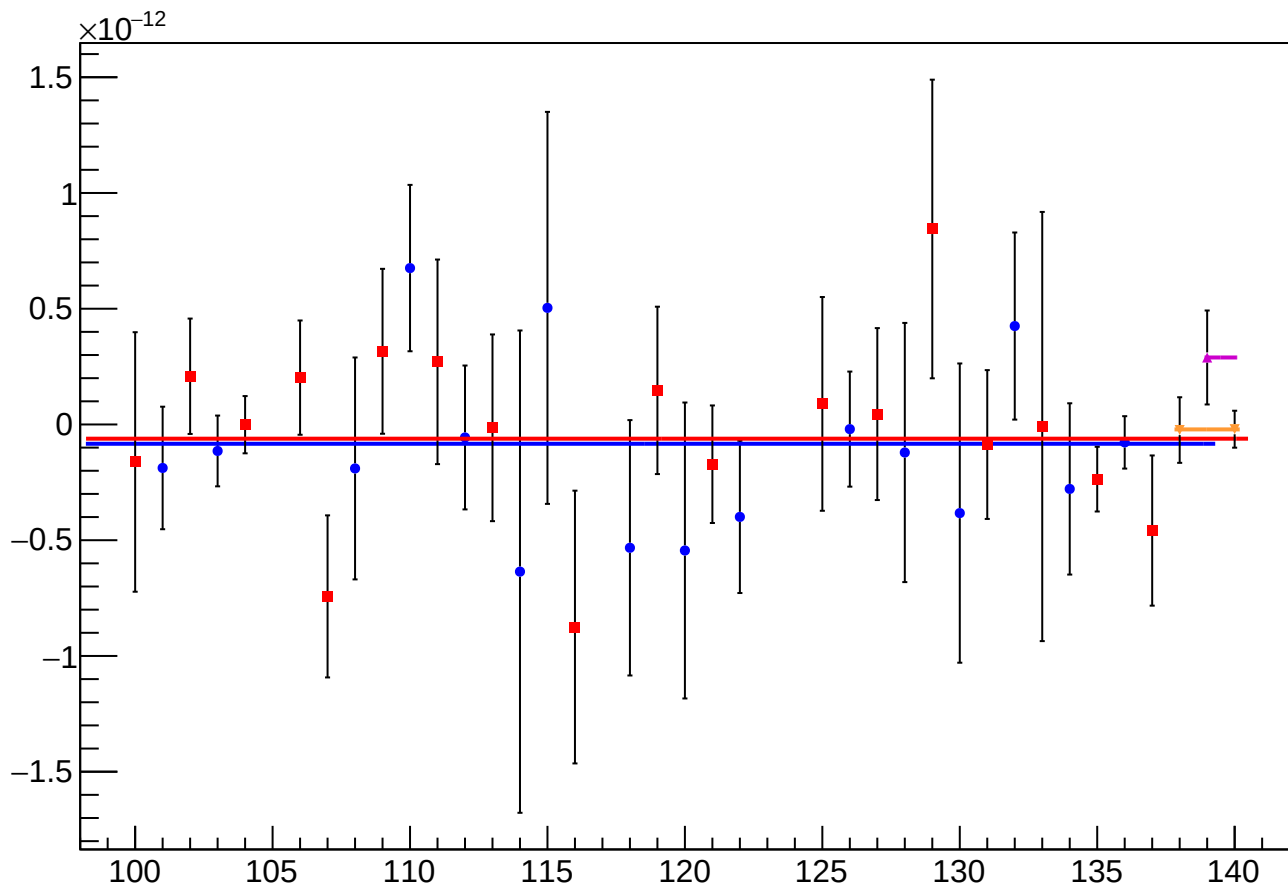
Left In: 375.274+/-0.305 χ^2/NDF : 0.0/0

+ sign 279.409+/-0.073 χ^2/NDF : 2263092.4/17

All: 257.922+/-0.049 χ^2/NDF : 4666985.9/36

- sign 239.512+/-0.067 χ^2/NDF : 2240950.8/18

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 9.7/15

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

Right Out: -0.000+/-0.000 χ^2/NDF : 15.7/17

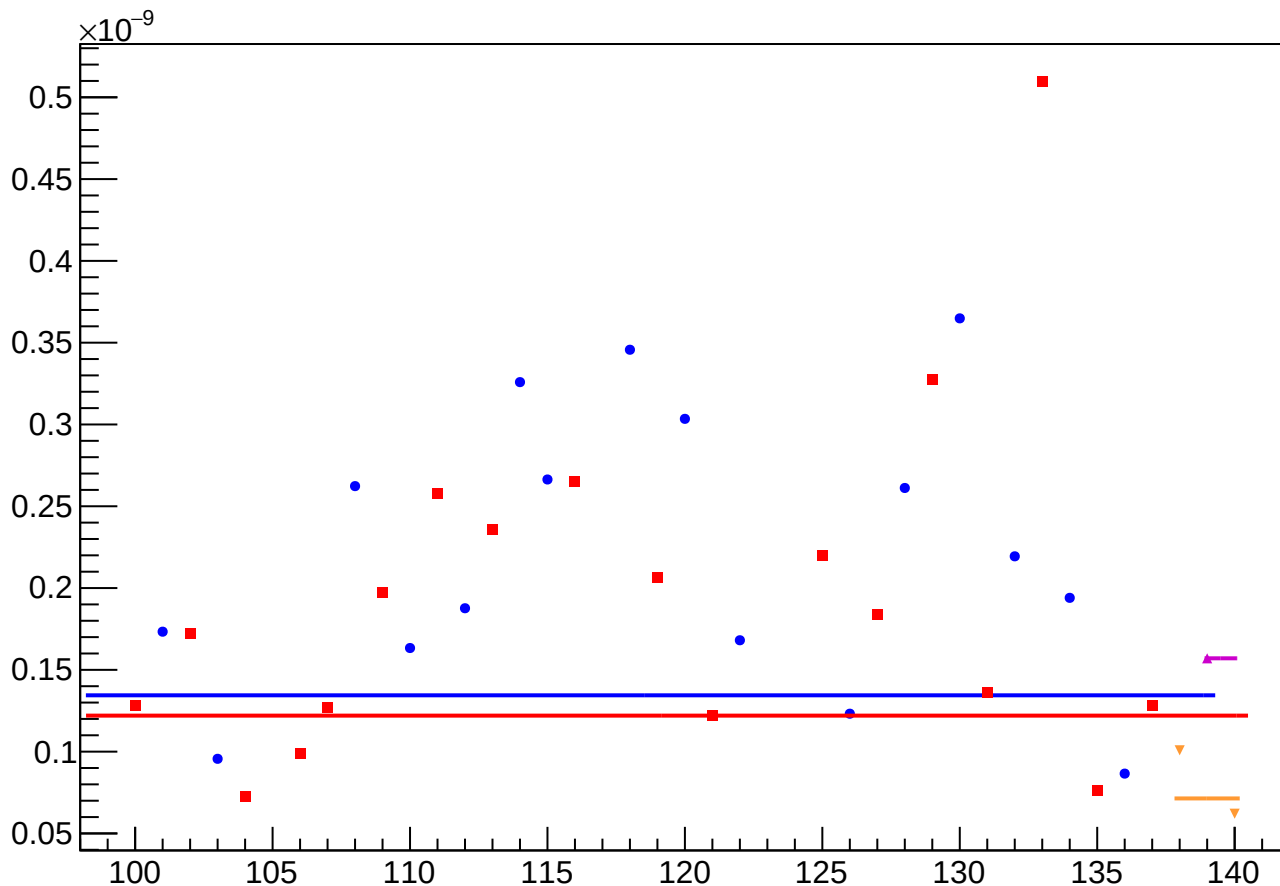
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 10.1/17

All: -0.000+/-0.000 χ^2/NDF : 28.7/36

- sign -0.000+/-0.000 χ^2/NDF : 18.4/18

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 113614.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2003381.5/17

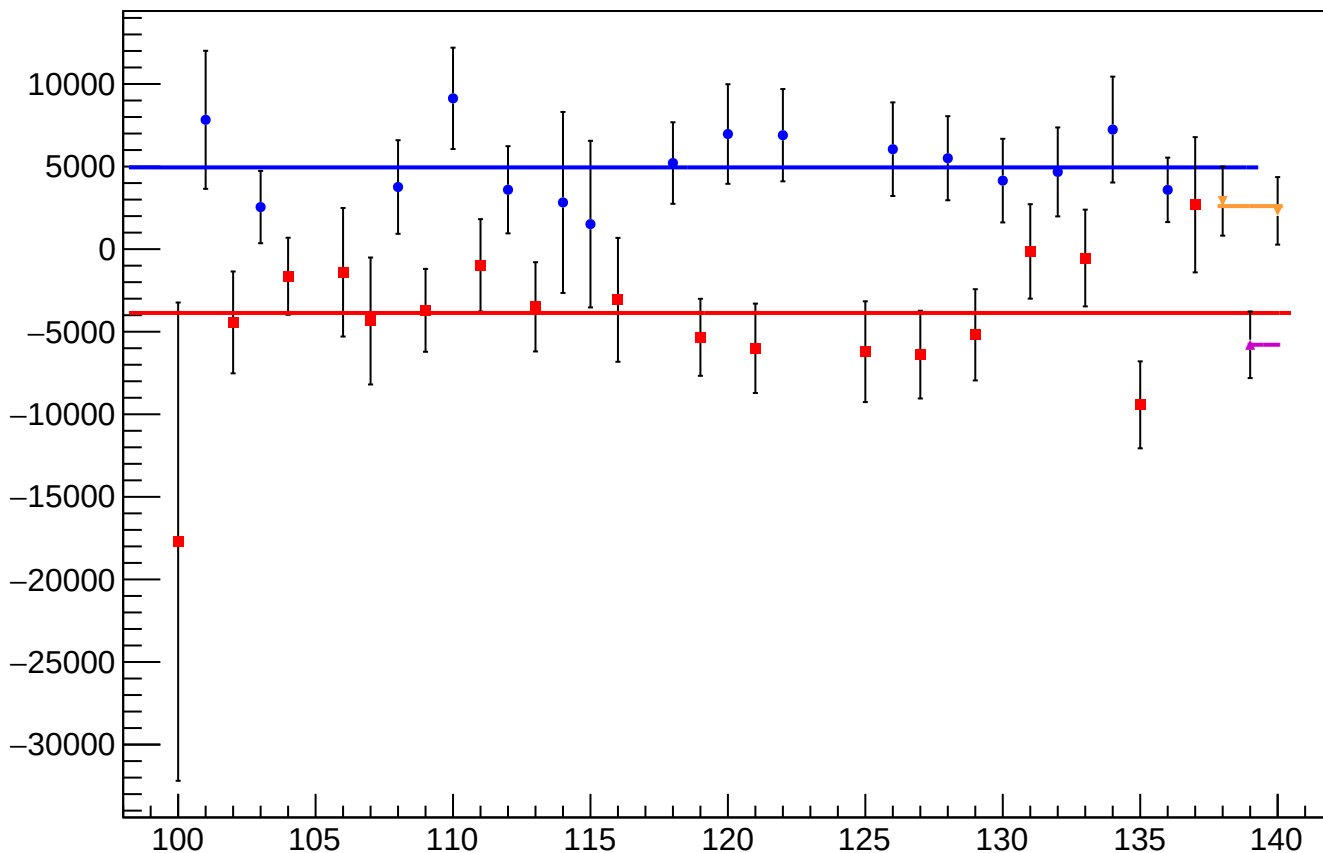
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2756862.0/17

All: 0.000+/-0.000 χ^2/NDF : 4972095.3/36

- sign 0.000+/-0.000 χ^2/NDF : 2057501.9/18

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321 $\pm$ 698.937 χ^2 /NDF: 6.8/15

Left Out: 2606.121 $\pm$ 1462.298 χ^2 /NDF: 0.0/1

Right Out: -3865.145 $\pm$ 695.781 χ^2 /NDF: 16.2/17

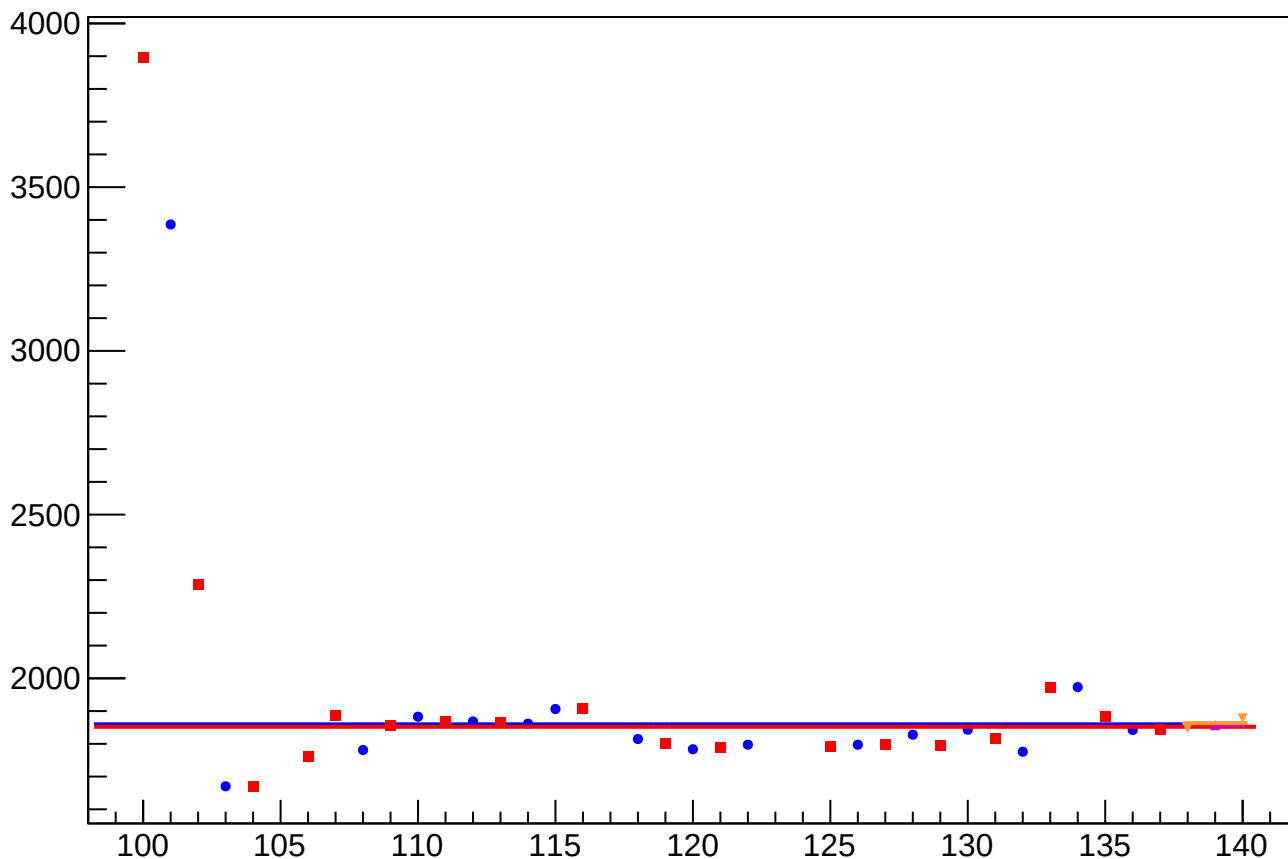
Left In: -5789.653 $\pm$ 2019.307 χ^2 /NDF: 0.0/0

+ sign 4514.369 $\pm$ 630.606 χ^2 /NDF: 9.0/17

All: 403.756 $\pm$ 455.224 χ^2 /NDF: 114.7/36

- sign -4069.383 $\pm$ 657.826 χ^2 /NDF: 17.0/18

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF : 292334.6/15

Left Out: 1863.226+/-1.034 χ^2/NDF : 204.4/1

Right Out: 1852.065+/-0.490 χ^2/NDF : 102212.5/17

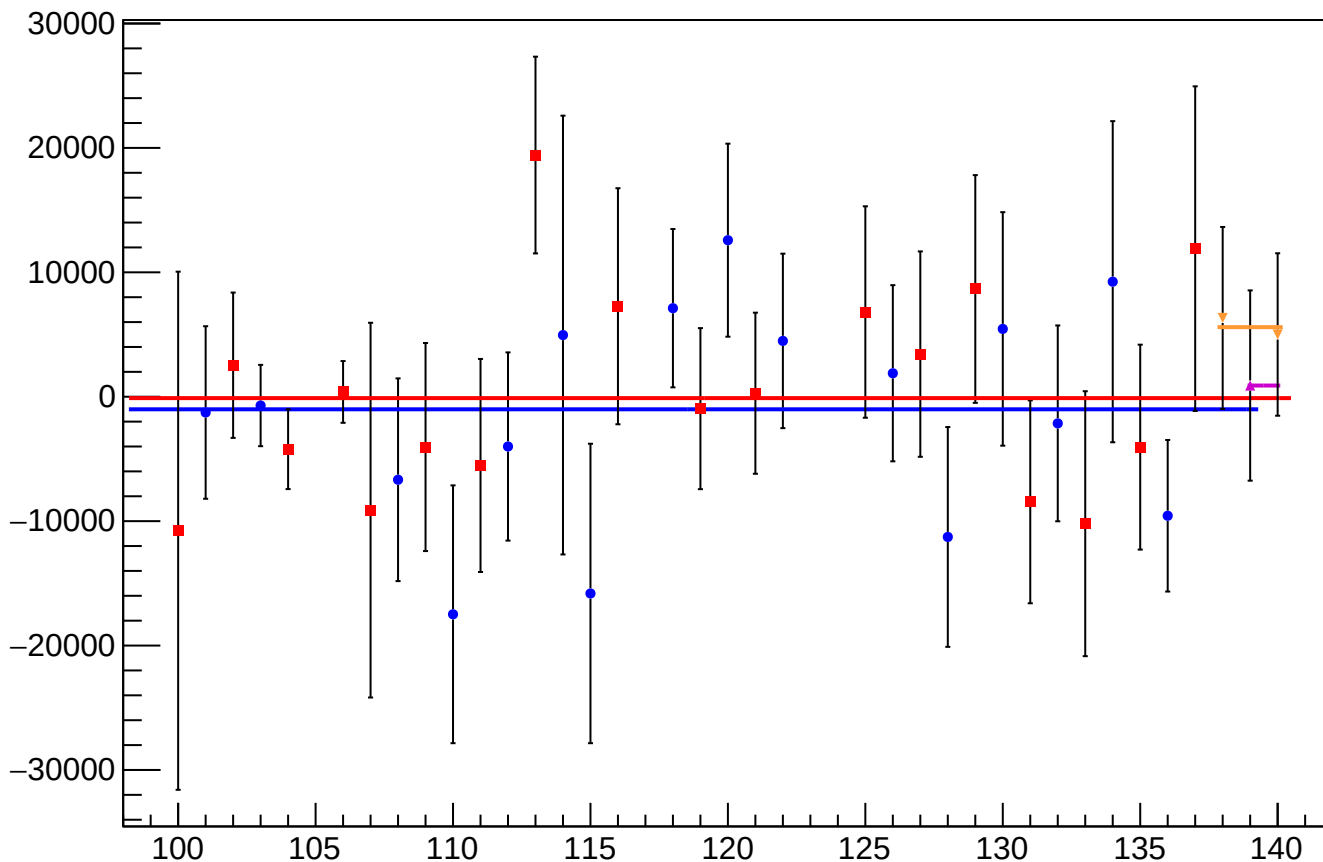
Left In: 1856.886+/-1.428 χ^2/NDF : 0.0/0

+ sign 1860.201+/-0.446 χ^2/NDF : 292549.4/17

All: 1856.538+/-0.321 χ^2/NDF : 394912.7/36

- sign 1852.574+/-0.464 χ^2/NDF : 102222.7/18

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



Right In: -1010.288+/-1764.180 χ^2/NDF : 14.7/15

Left Out: 5593.305+/-4869.898 χ^2/NDF : 0.0/1

Right Out: -111.261+/-1438.515 χ^2/NDF : 14.6/17

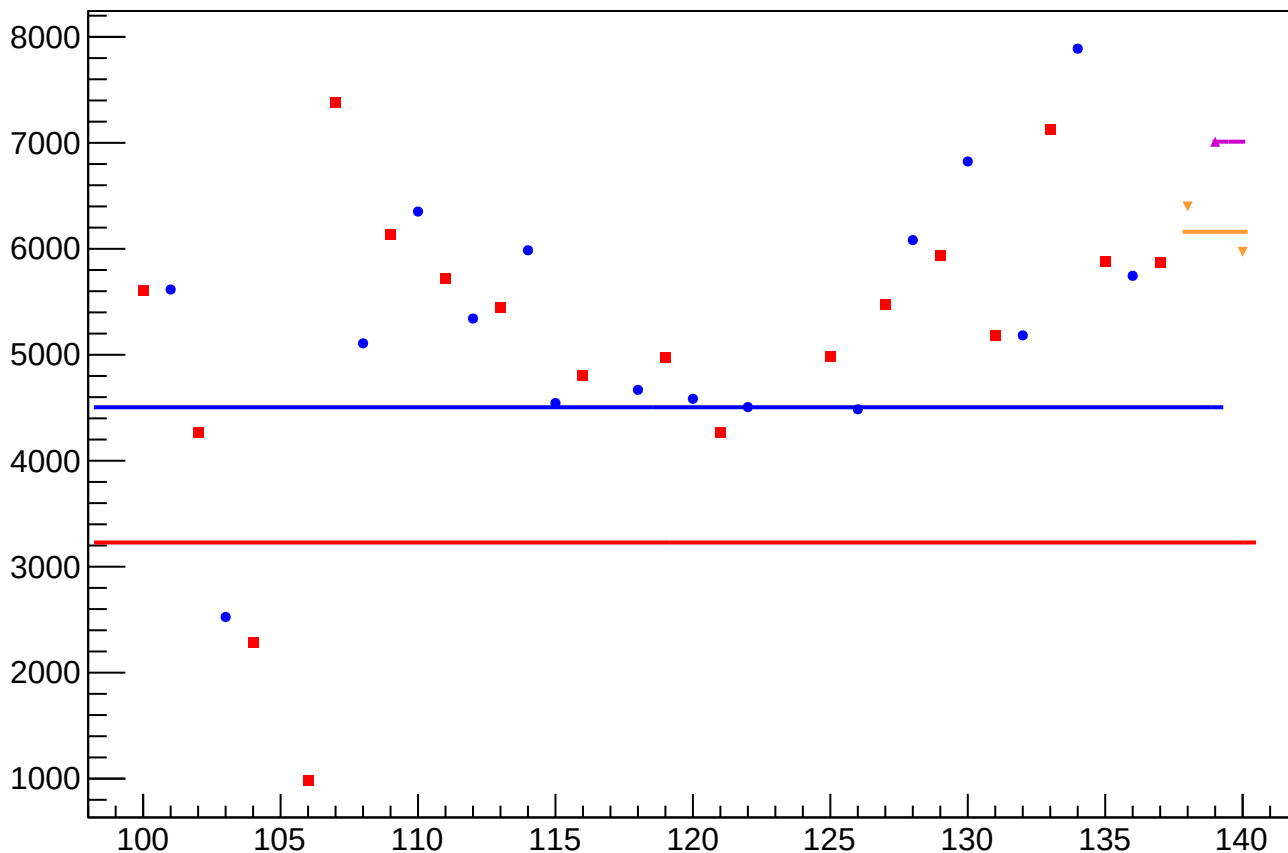
Left In: 899.822+/-7646.934 χ^2/NDF : 0.0/0

+ sign -244.208+/-1658.696 χ^2/NDF : 16.4/17

All: -147.184+/-1075.941 χ^2/NDF : 31.0/36

- sign -76.704+/-1413.718 χ^2/NDF : 14.7/18

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: 6160.982+/-3.444 χ^2/NDF : 3809.3/1

Right Out: 3228.605+/-1.017 χ^2/NDF : 3956397.6/17

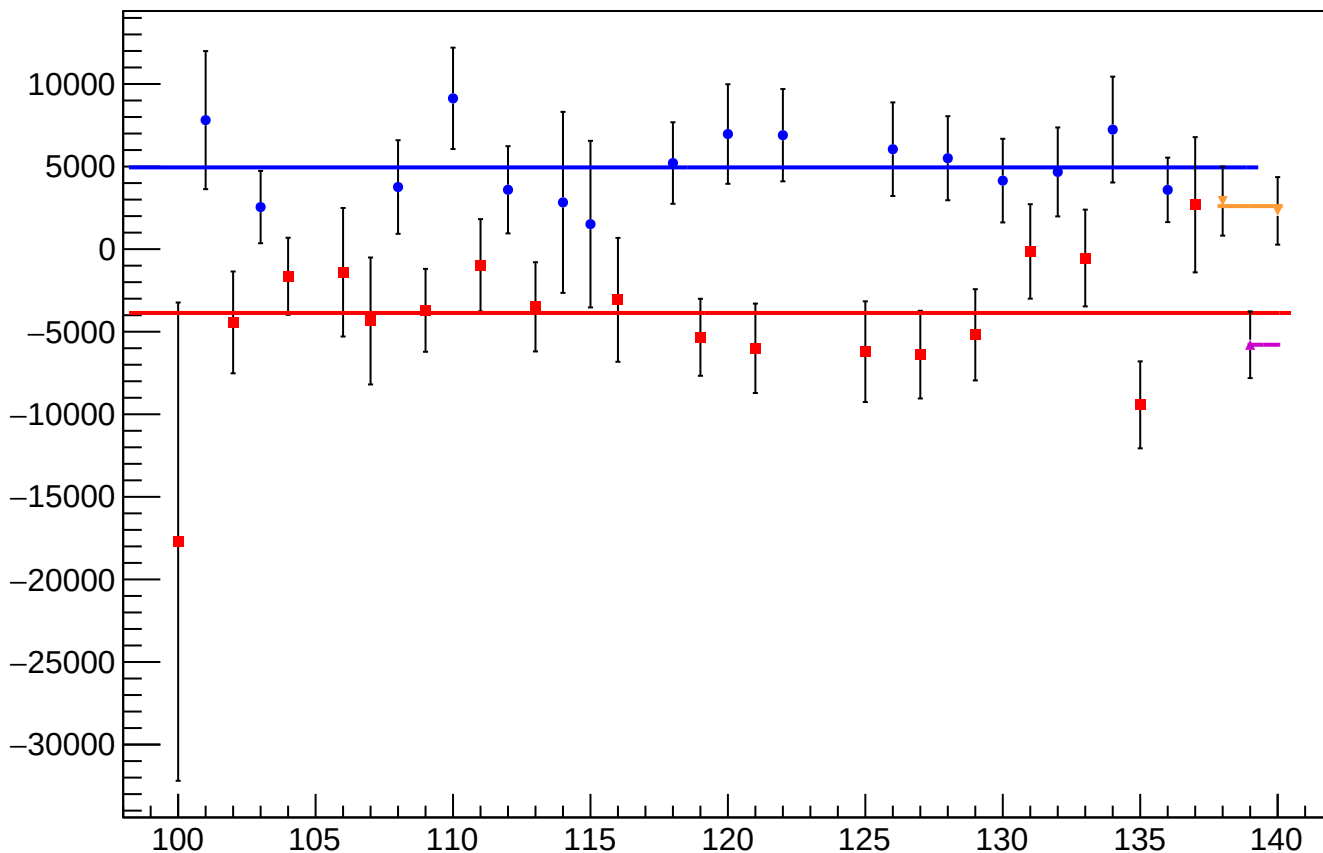
Left In: 7011.039+/-5.407 χ^2/NDF : 0.0/0

+ sign 4696.923+/-1.173 χ^2/NDF : 1529398.8/17

All: 3921.309+/-0.761 χ^2/NDF : 6713377.5/36

- sign 3357.883+/-1.000 χ^2/NDF : 4428998.9/18

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838 $\pm$ 698.937 χ^2 /NDF: 6.8/15

Left Out: 2606.309 $\pm$ 1462.298 χ^2 /NDF:0.0/1

Right Out: -3864.930 $\pm$ 695.781 χ^2 /NDF: 16.2/17

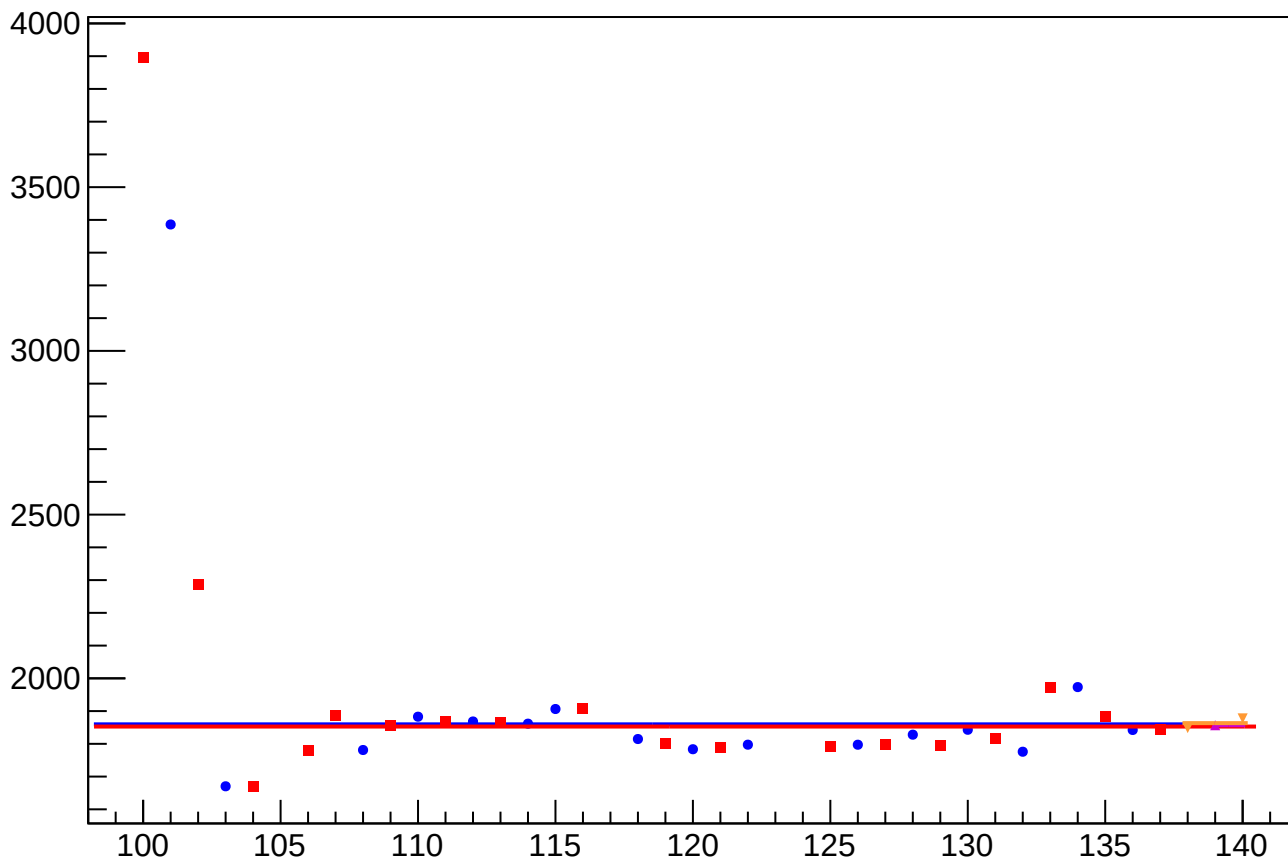
Left In: -5789.984 $\pm$ 2019.307 χ^2 /NDF:0.0/0

+ sign 4514.011 $\pm$ 630.606 χ^2 /NDF: 9.0/17

All: 403.644 $\pm$ 455.224 χ^2 /NDF: 114.7/36

- sign -4069.226 $\pm$ 657.826 χ^2 /NDF: 17.0/18

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 $\pm$ 0.494 χ^2 /NDF: 292336.5/15

Left Out: 1863.226 $\pm$ 1.034 χ^2 /NDF:204.4/1

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

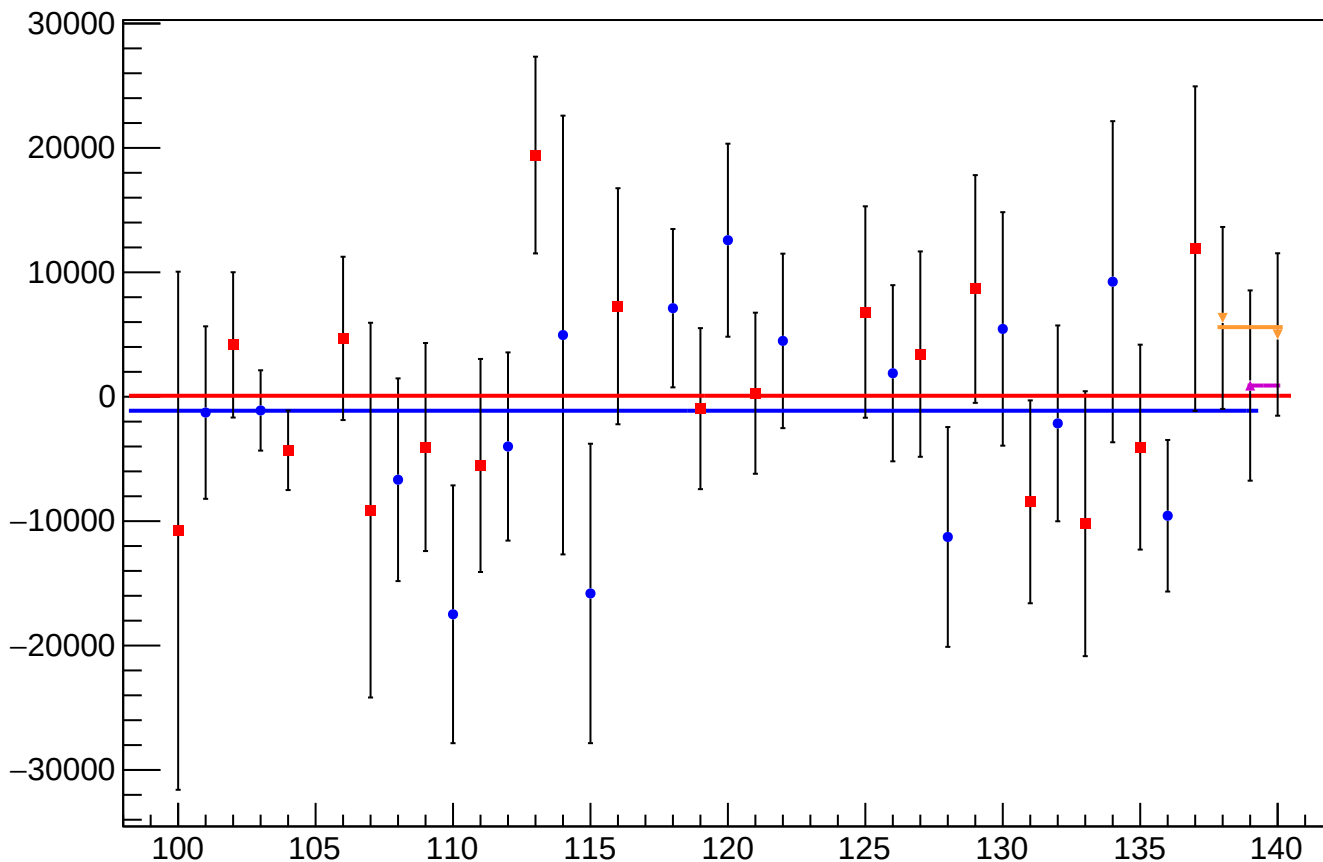
Left In: 1856.886 $\pm$ 1.428 χ^2 /NDF:0.0/0

+ sign 1860.201 $\pm$ 0.446 χ^2 /NDF: 292551.3/17

All: 1856.842 $\pm$ 0.322 χ^2 /NDF: 394427.5/36

- sign 1853.205 $\pm$ 0.464 χ^2 /NDF: 101758.0/18

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



Right In: -1125.567 $\pm$ 1757.876 χ^2 /NDF: 14.7/15

Left Out: 5593.542 $\pm$ 4869.891 χ^2 /NDF:0.0/1

Right Out: 78.270 $\pm$ 1702.444 χ^2 /NDF: 15.5/17

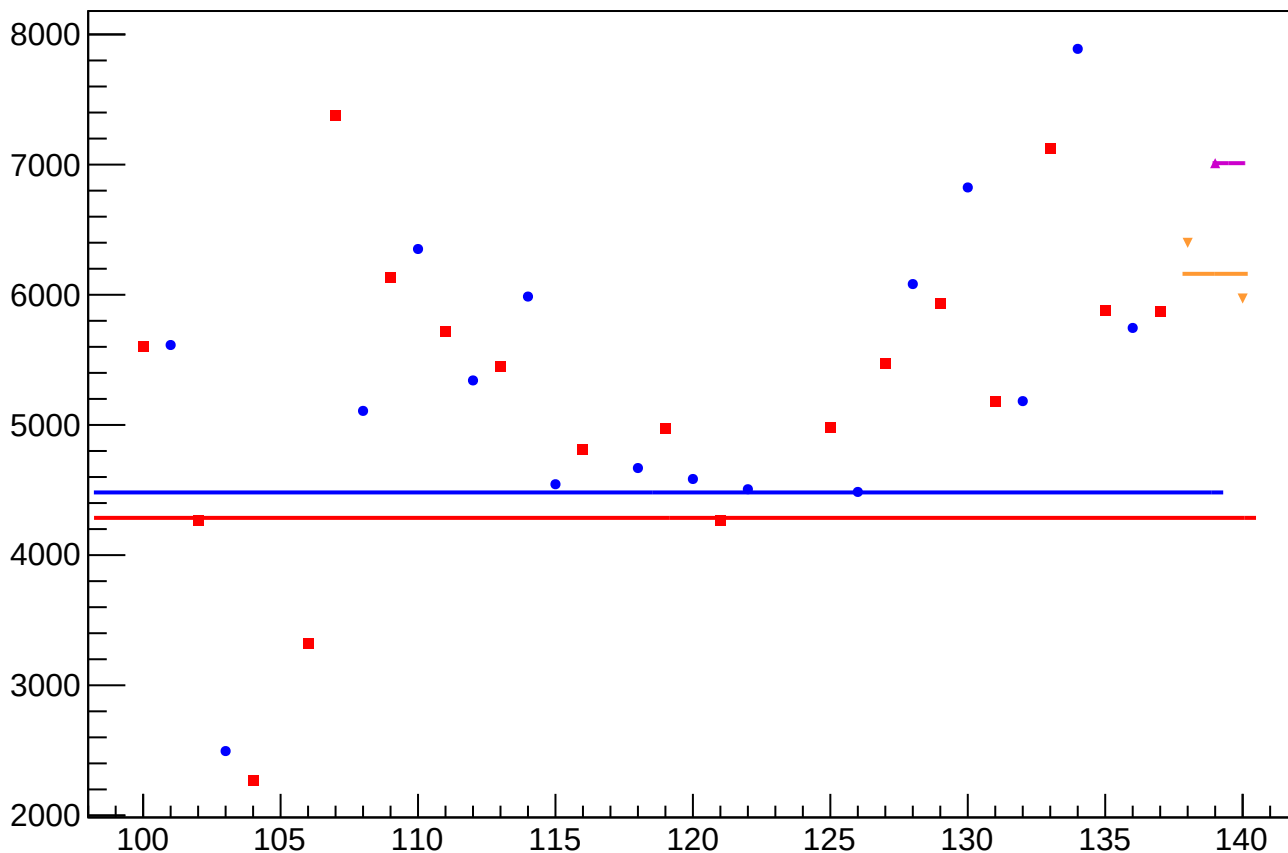
Left In: 899.781 $\pm$ 7646.945 χ^2 /NDF:0.0/0

+ sign -351.004 $\pm$ 1653.453 χ^2 /NDF: 16.4/17

All: -118.142 $\pm$ 1172.094 χ^2 /NDF: 32.0/36

- sign 117.065 $\pm$ 1661.760 χ^2 /NDF: 15.6/18

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: 6160.973+/-3.444 χ^2/NDF : 3809.6/1

Right Out: 4286.125+/-1.204 χ^2/NDF : 1549852.7/17

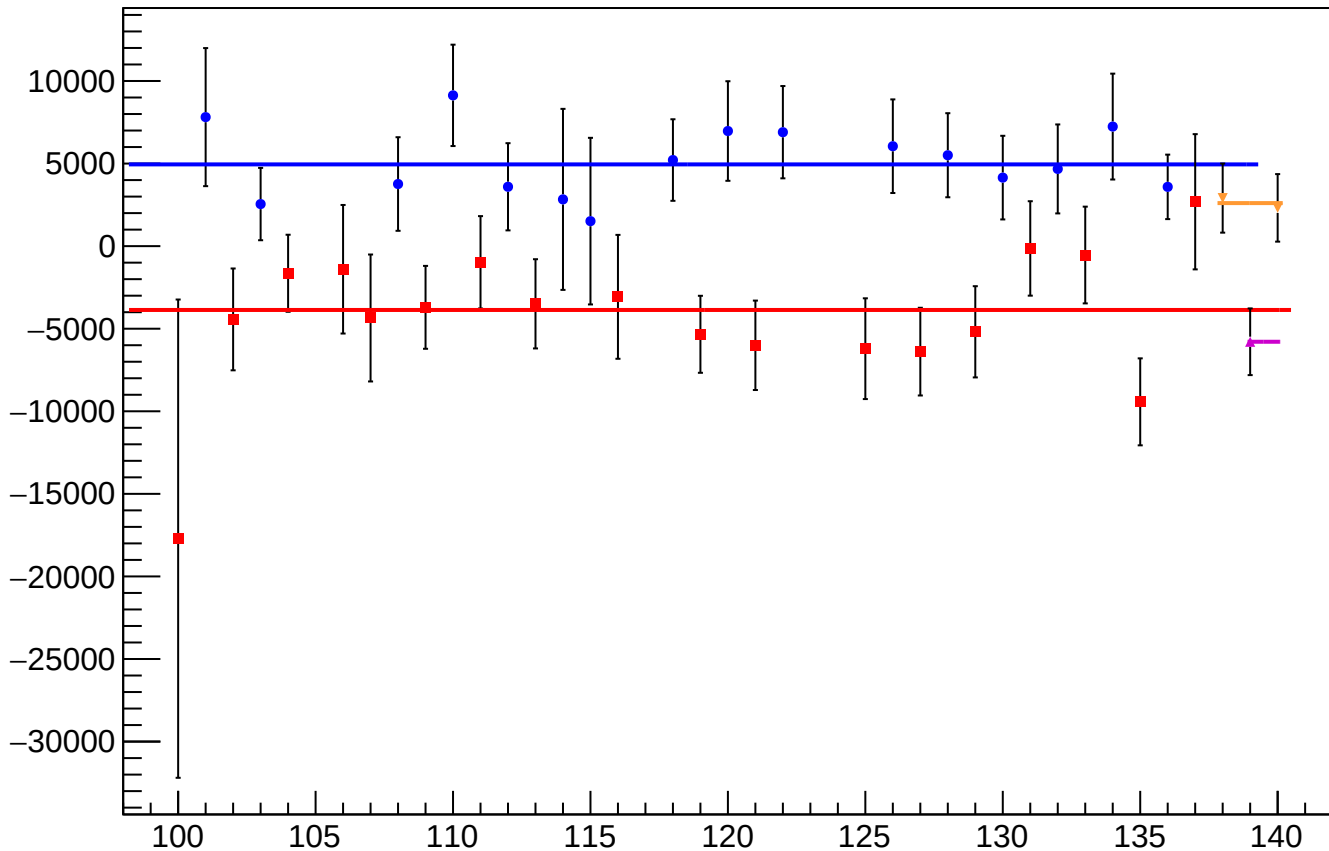
Left In: 7011.049+/-5.407 χ^2/NDF : 0.0/0

+ sign 4675.122+/-1.169 χ^2/NDF : 1576508.0/17

All: 4545.616+/-0.829 χ^2/NDF : 3392988.6/30

- sign 4414.806+/-1.175 χ^2/NDF : 1791818.2/18

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838 $\pm$ 698.937 χ^2 /NDF: 6.8/15

Left Out: 2606.309 $\pm$ 1462.298 χ^2 /NDF:0.0/1

Right Out: -3864.930 $\pm$ 695.781 χ^2 /NDF: 16.2/17

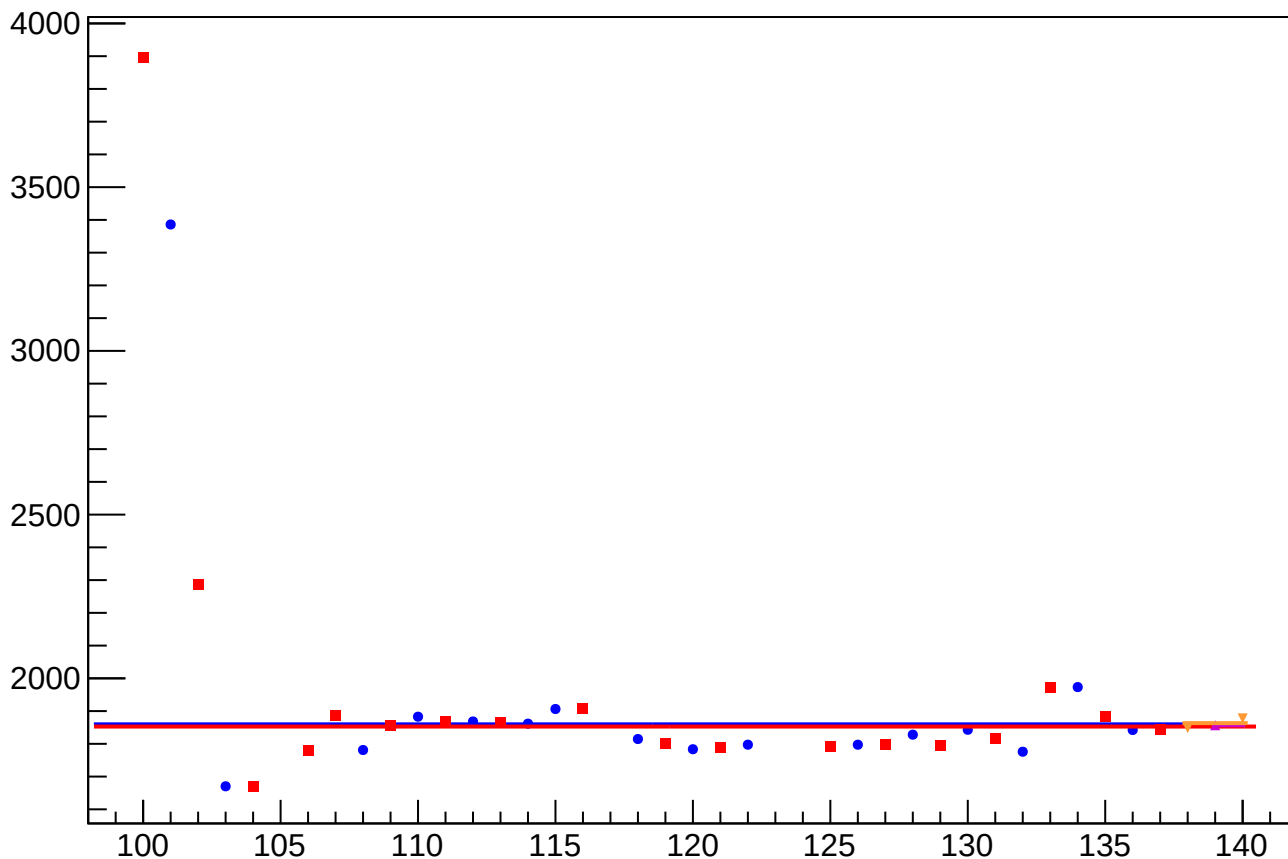
Left In: -5789.984 $\pm$ 2019.307 χ^2 /NDF:0.0/0

+ sign 4514.011 $\pm$ 630.606 χ^2 /NDF: 9.0/17

All: 403.644 $\pm$ 455.224 χ^2 /NDF: 114.7/36

- sign -4069.226 $\pm$ 657.826 χ^2 /NDF: 17.0/18

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 $\pm$ 0.494 χ^2 /NDF: 292336.5/15

Left Out: 1863.226 $\pm$ 1.034 χ^2 /NDF:204.4/1

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

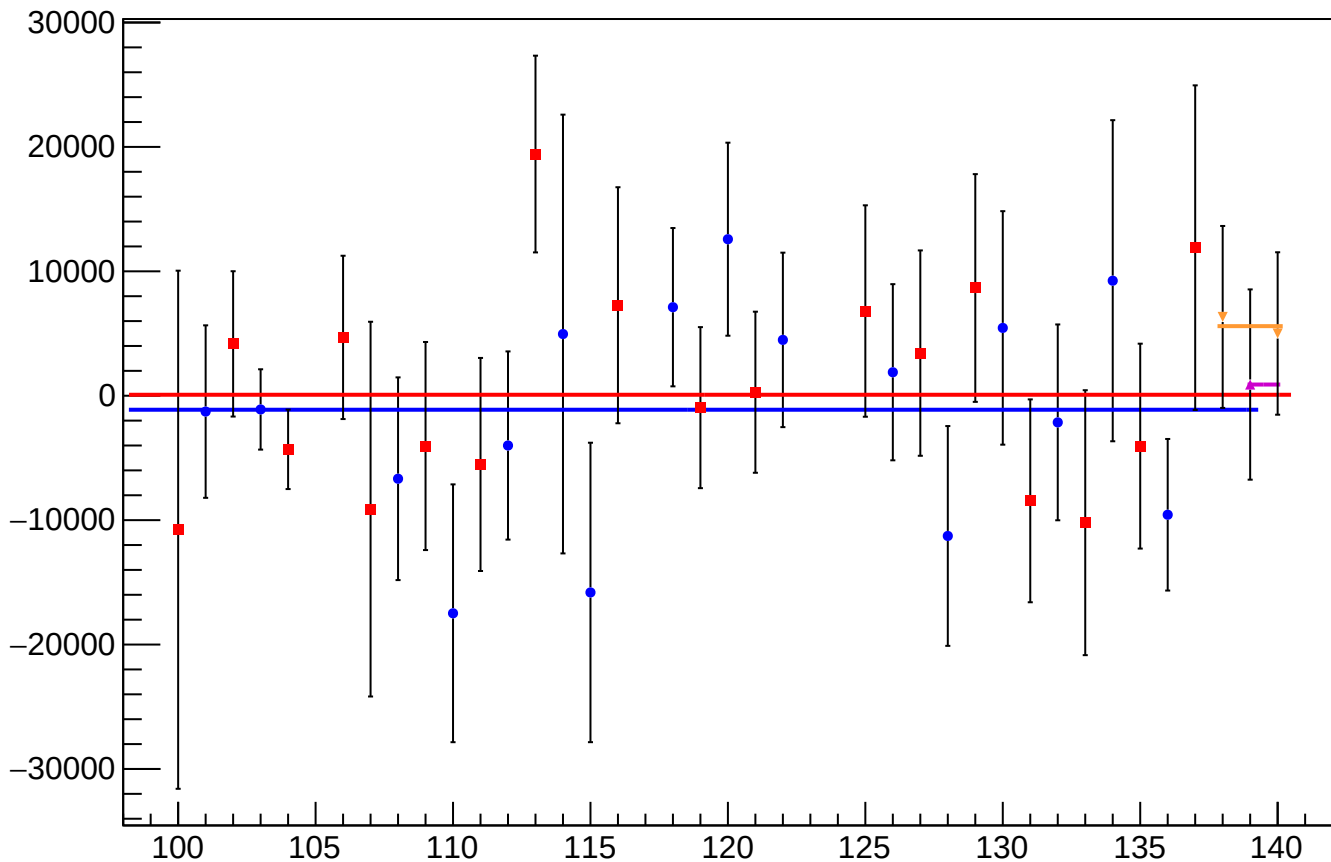
Left In: 1856.886 $\pm$ 1.428 χ^2 /NDF:0.0/0

+ sign 1860.201 $\pm$ 0.446 χ^2 /NDF: 292551.3/17

All: 1856.842 $\pm$ 0.322 χ^2 /NDF: 394427.5/36

- sign 1853.205 $\pm$ 0.464 χ^2 /NDF: 101758.0/18

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -1125.567 ± 1757.876 χ^2/NDF : 14.7/15

Left Out: 5593.542 ± 4869.891 χ^2/NDF : 0.0/1

Right Out: 78.270 ± 1702.444 χ^2/NDF : 15.5/17

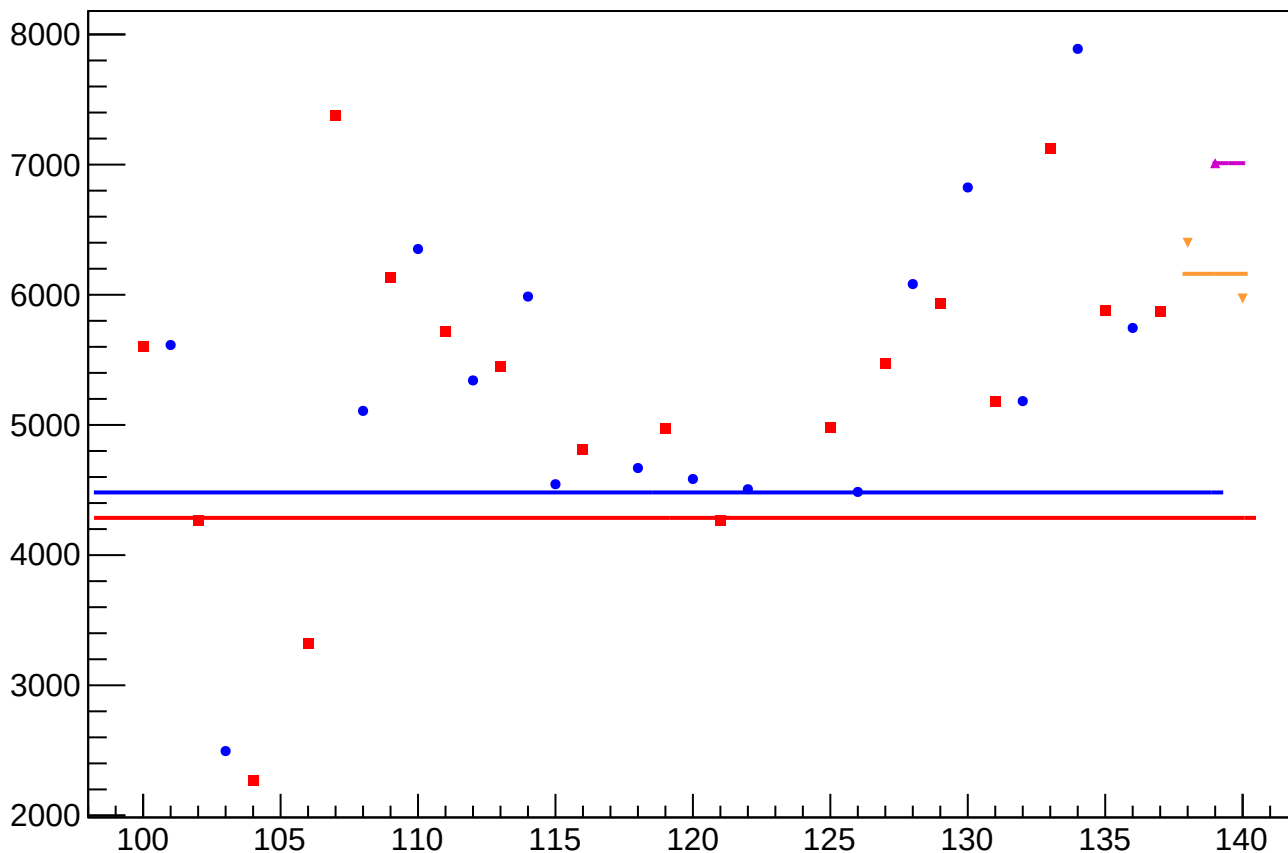
Left In: 899.781 ± 7646.945 χ^2/NDF : 0.0/0

+ sign -351.004 ± 1653.453 χ^2/NDF : 16.4/17

All: -118.142 ± 1172.094 χ^2/NDF : 32.0/36

- sign 117.065 ± 1661.760 χ^2/NDF : 15.6/18

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF : 1362255.0/15

Left Out: 6160.973+/-3.444 χ^2/NDF : 3809.6/1

Right Out: 4286.125+/-1.204 χ^2/NDF : 1549852.7/17

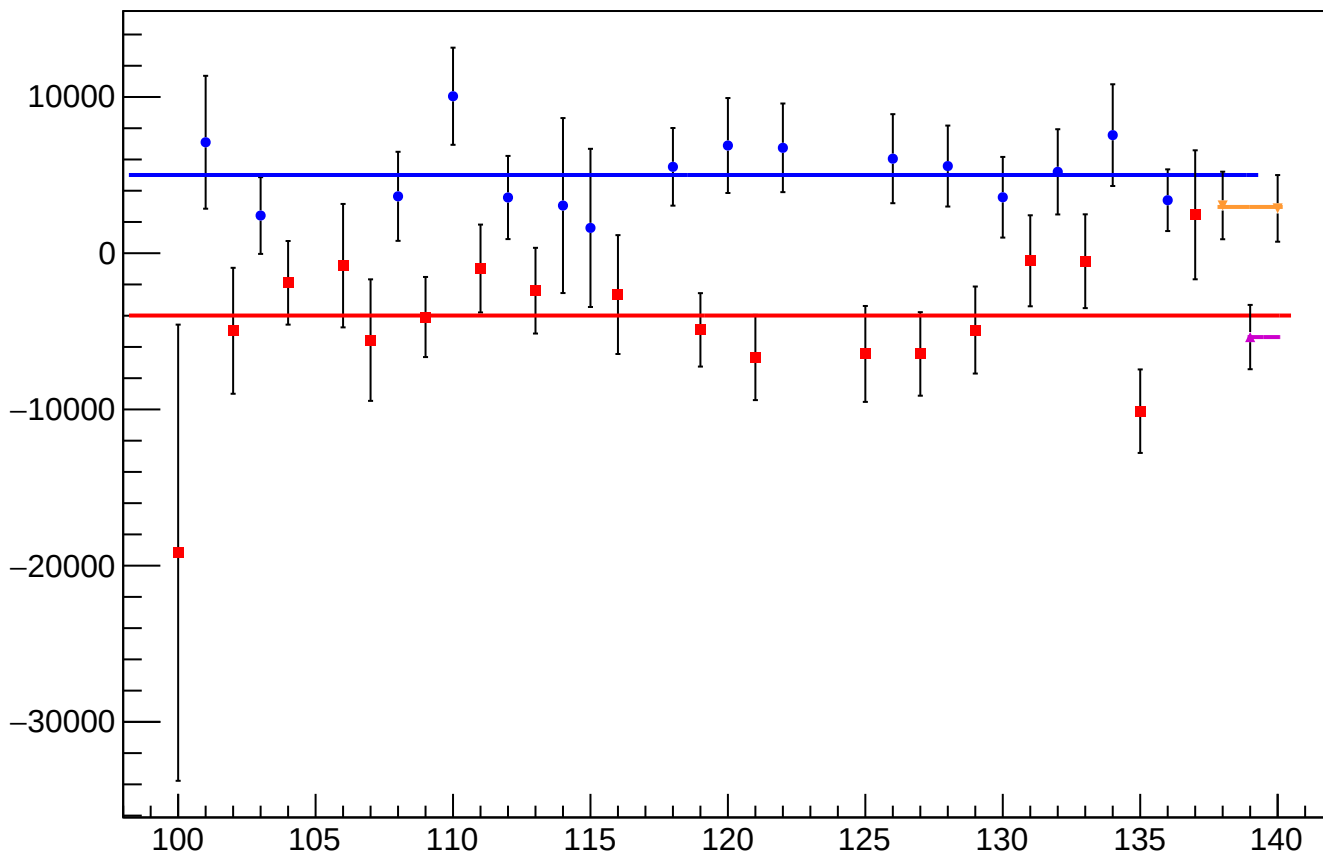
Left In: 7011.049+/-5.407 χ^2/NDF : 0.0/0

+ sign 4675.122+/-1.169 χ^2/NDF : 1576508.0/17

All: 4545.616+/-0.829 χ^2/NDF : 3392988.6/30

- sign 4414.806+/-1.175 χ^2/NDF : 1791818.2/18

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF : 7.7/15

Left Out: 2961.664+/-1518.675 χ^2/NDF : 0.0/1

Right Out: -3989.193+/-719.024 χ^2/NDF : 17.4/17

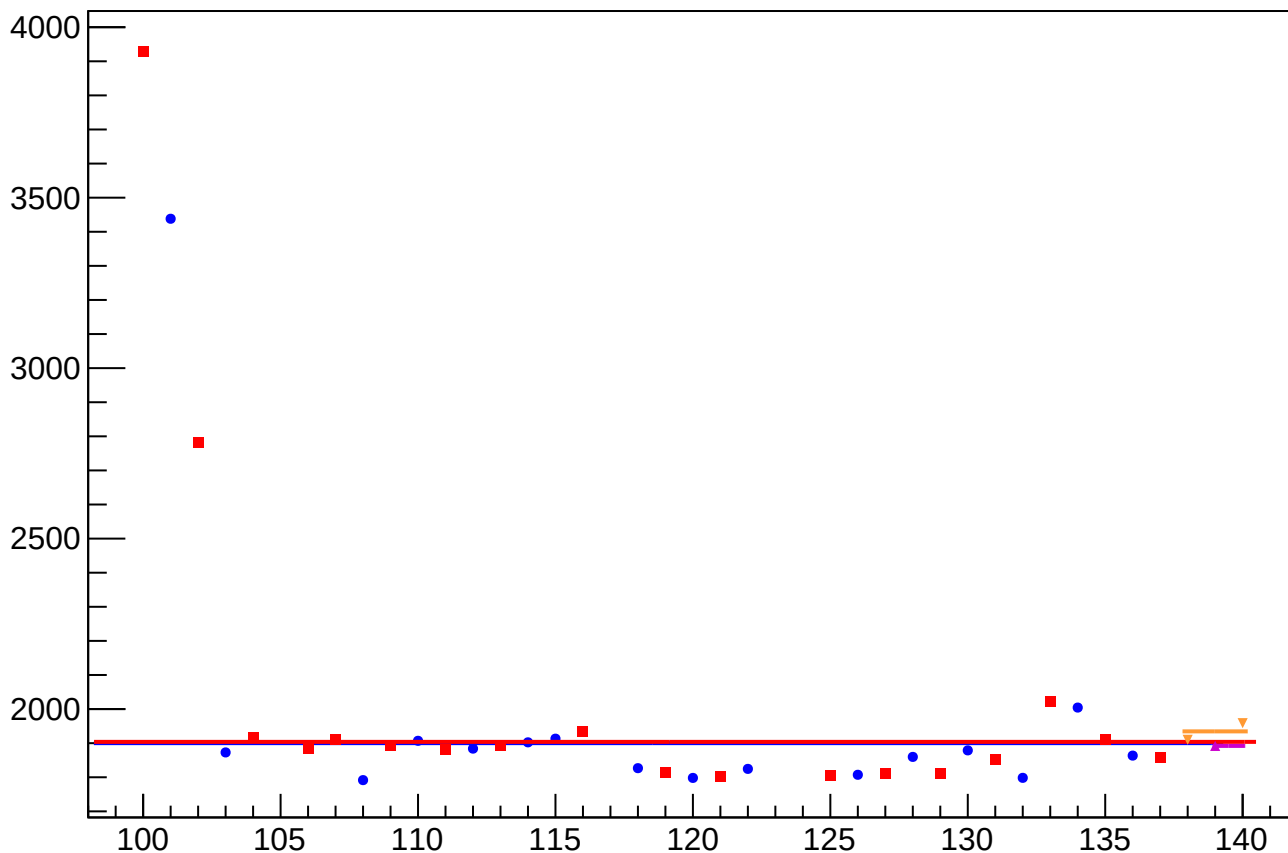
Left In: -5367.572+/-2058.311 χ^2/NDF : 0.0/0

+ sign 4636.950+/-646.196 χ^2/NDF : 9.2/17

All: 464.742+/-468.031 χ^2/NDF : 114.6/36

- sign -4139.103+/-678.799 χ^2/NDF : 17.8/18

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111 $\pm$ 0.505 χ^2 /NDF: 278448.2/15

Left Out: 1934.587 $\pm$ 1.074 χ^2 /NDF: 515.1/1

Right Out: 1903.827 $\pm$ 0.508 χ^2 /NDF: 150115.8/17

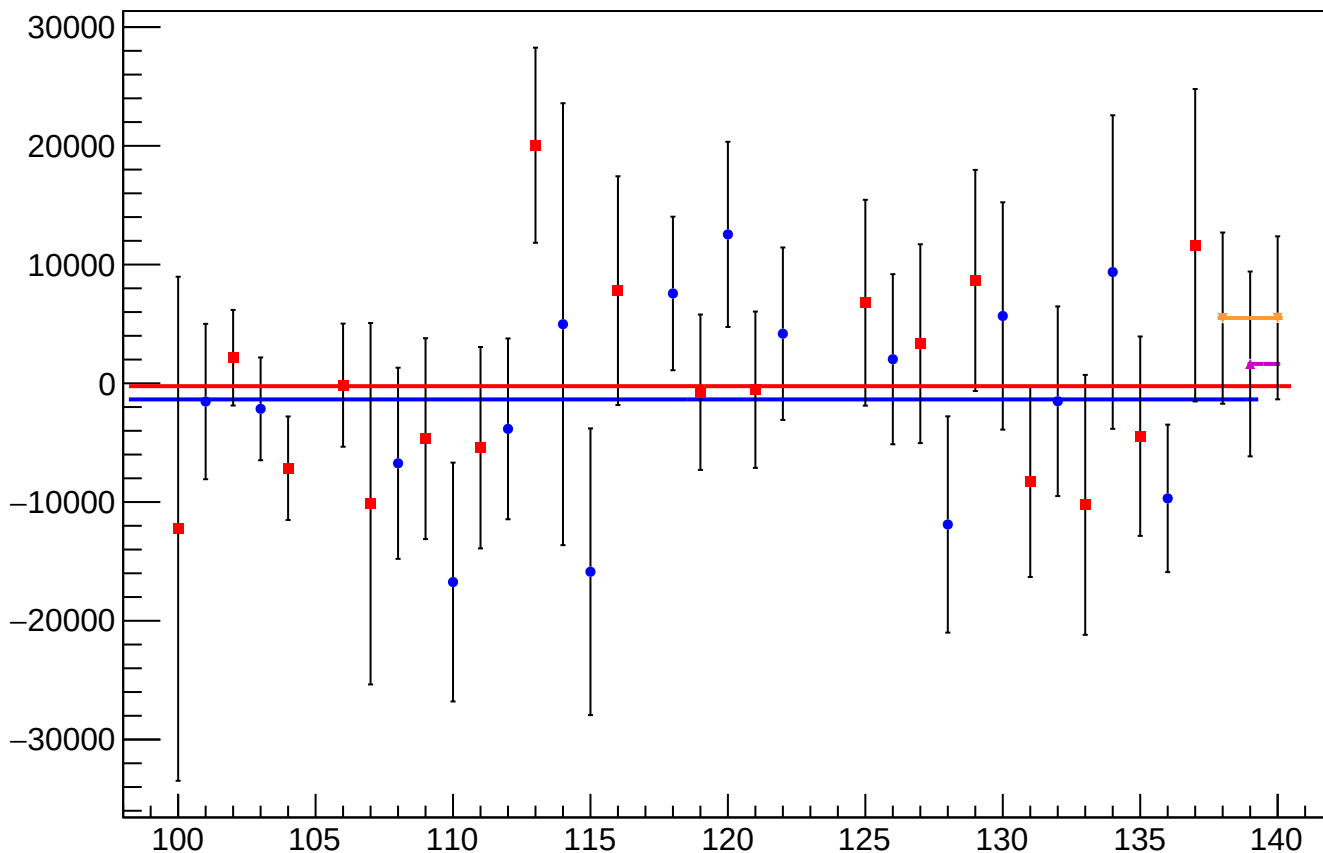
Left In: 1891.987 $\pm$ 1.455 χ^2 /NDF: 0.0/0

+ sign 1906.353 $\pm$ 0.457 χ^2 /NDF: 279807.4/17

All: 1904.539 $\pm$ 0.331 χ^2 /NDF: 430015.4/36

- sign 1902.542 $\pm$ 0.480 χ^2 /NDF: 150174.8/18

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: -1356.615 $\pm$ 1895.990 χ^2 /NDF: 14.7/15

Left Out: 5502.336 $\pm$ 4971.254 χ^2 /NDF: 0.0/1

Right Out: -241.153 $\pm$ 1712.681 χ^2 /NDF: 15.7/17

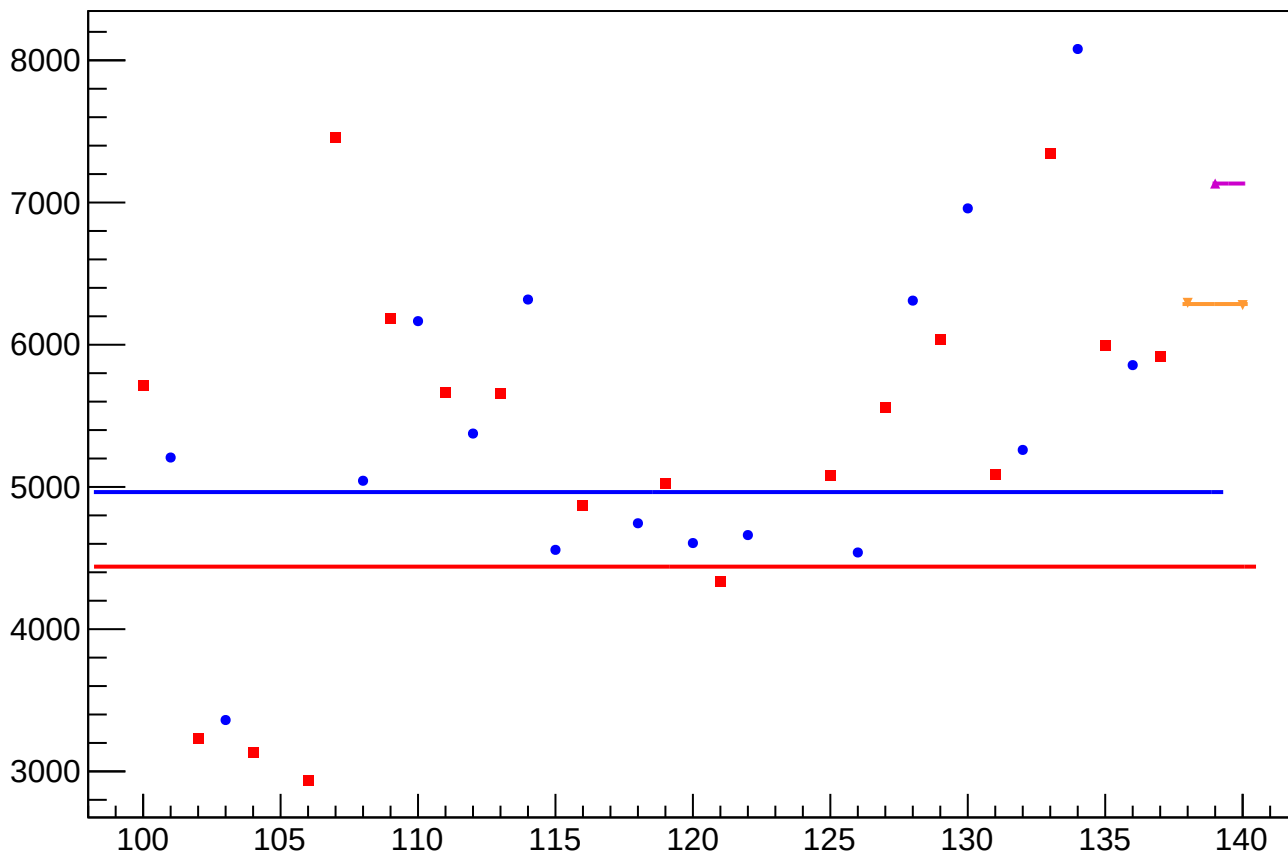
Left In: 1632.085 $\pm$ 7782.337 χ^2 /NDF: 0.0/0

+ sign -485.614 $\pm$ 1771.521 χ^2 /NDF: 16.4/17

All: -310.623 $\pm$ 1216.196 χ^2 /NDF: 32.2/36

- sign -154.619 $\pm$ 1672.655 χ^2 /NDF: 15.8/18

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 4963.998 $\pm$ 1.341 χ^2 /NDF: 627377.0/15

Left Out: 6286.205 $\pm$ 3.515 χ^2 /NDF: 5.0/1

Right Out: 4439.675 $\pm$ 1.211 χ^2 /NDF: 1158510.1/17

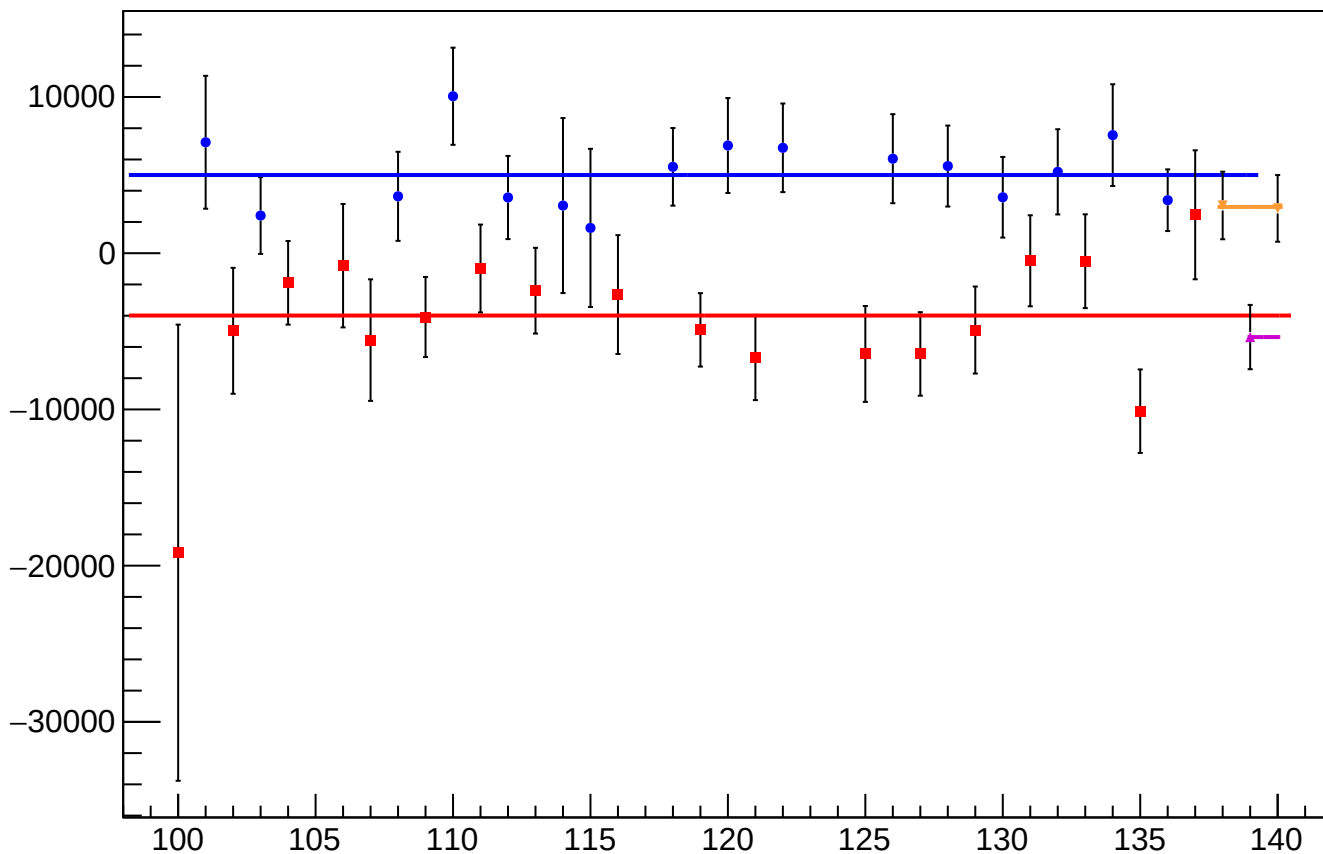
Left In: 7133.525 $\pm$ 5.503 χ^2 /NDF: 0.0/0

+ sign 5131.902 $\pm$ 1.253 χ^2 /NDF: 750896.3/17

All: 4831.724 $\pm$ 0.860 χ^2 /NDF: 2246592.7/30

- sign 4564.116 $\pm$ 1.183 χ^2 /NDF: 1387078.8/18

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.314+/-714.061 χ^2/NDF : 7.7/15

Left Out: 2961.670+/-1518.675 χ^2/NDF : 0.0/1

Right Out: -3989.192+/-719.024 χ^2/NDF : 17.4/17

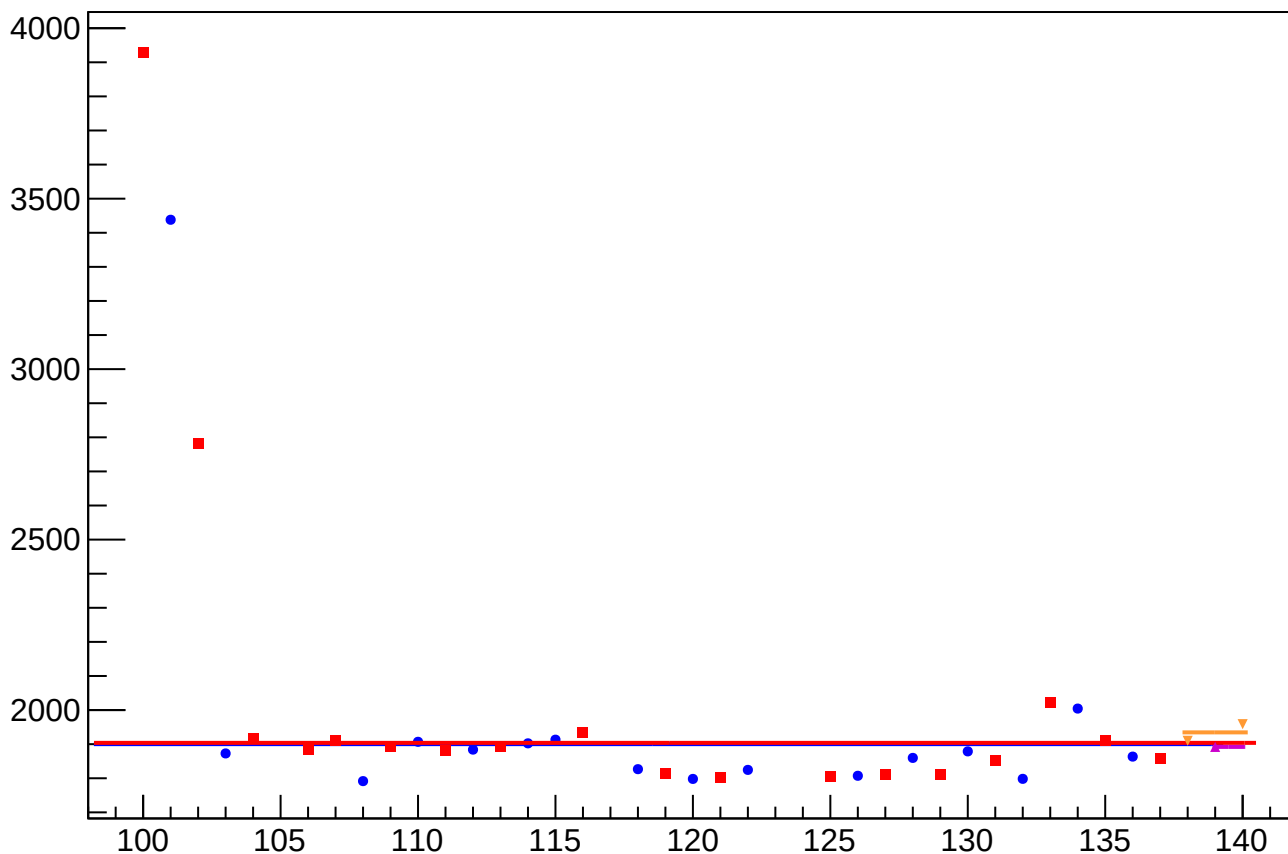
Left In: -5367.549+/-2058.313 χ^2/NDF : 0.0/0

+ sign 4636.950+/-646.196 χ^2/NDF : 9.2/17

All: 464.743+/-468.031 χ^2/NDF : 114.6/36

- sign -4139.099+/-678.799 χ^2/NDF : 17.8/18

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: 1934.587+/-1.074 χ^2/NDF : 515.2/1

Right Out: 1903.826+/-0.508 χ^2/NDF : 150115.1/17

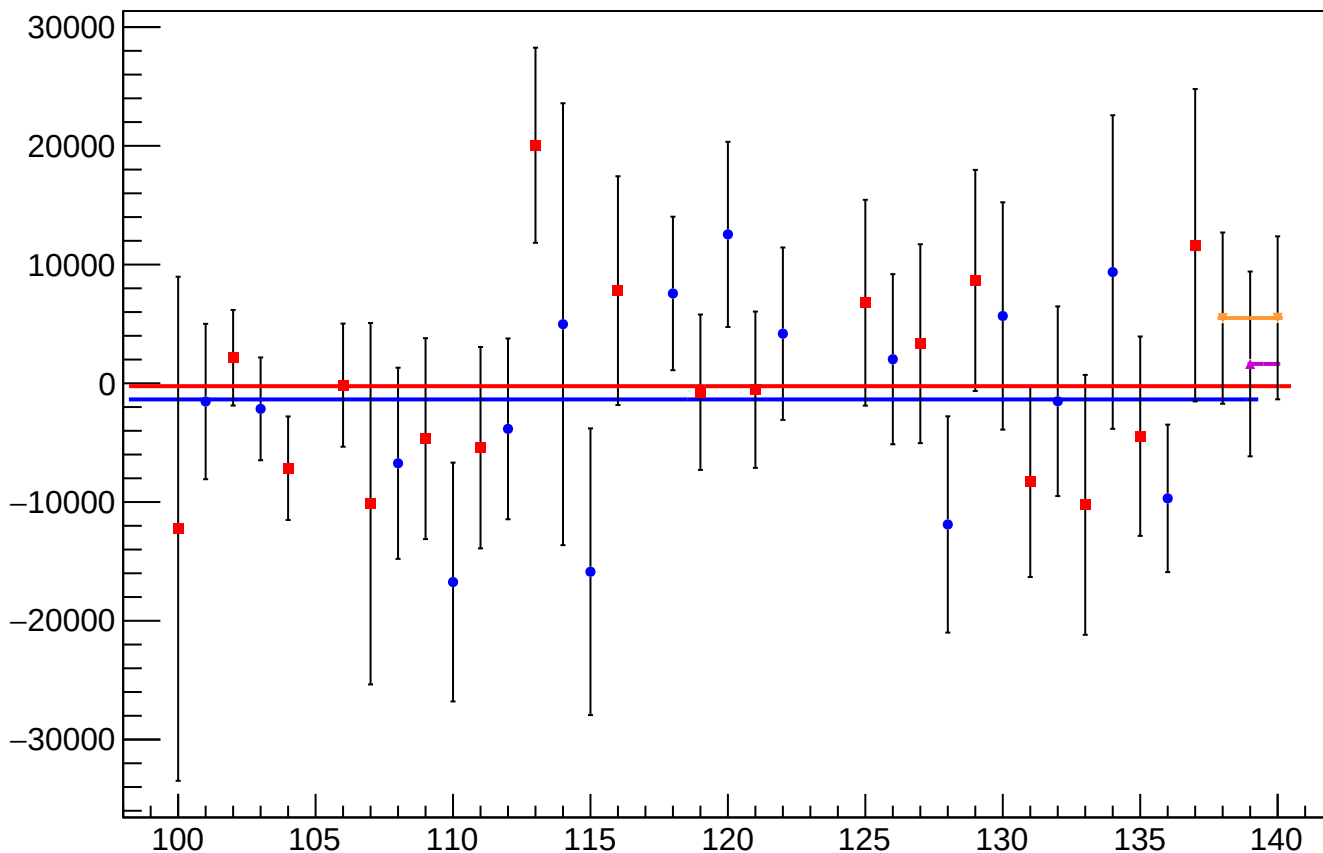
Left In: 1891.988+/-1.455 χ^2/NDF : 0.0/0

+ sign 1906.353+/-0.457 χ^2/NDF : 279807.7/17

All: 1904.539+/-0.331 χ^2/NDF : 430015.0/36

- sign 1902.541+/-0.480 χ^2/NDF : 150174.1/18

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1356.604 $\pm$ 1895.985 χ^2 /NDF: 14.7/15

Left Out: 5502.342 $\pm$ 4971.262 χ^2 /NDF:0.0/1

Right Out: -241.155 $\pm$ 1712.677 χ^2 /NDF: 15.7/17

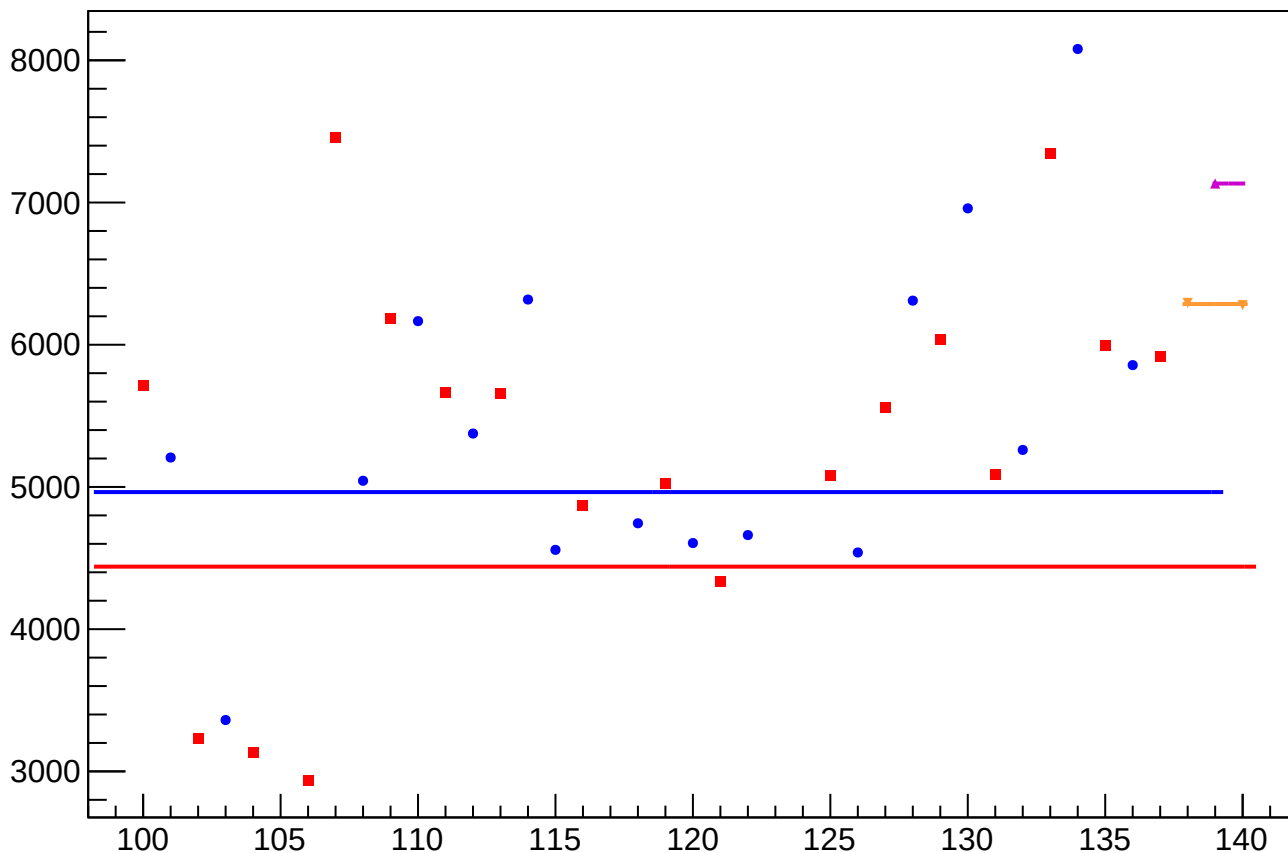
Left In: 1632.107 $\pm$ 7782.357 χ^2 /NDF:0.0/0

+ sign -485.610 $\pm$ 1771.517 χ^2 /NDF: 16.4/17

All: -310.622 $\pm$ 1216.193 χ^2 /NDF: 32.2/36

- sign -154.620 $\pm$ 1672.651 χ^2 /NDF: 15.8/18

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4963.985 $\pm$ 1.341 χ^2 /NDF: 627379.5/15

Left Out: 6286.215 $\pm$ 3.515 χ^2 /NDF: 5.0/1

Right Out: 4439.663 $\pm$ 1.211 χ^2 /NDF: 1158509.7/17

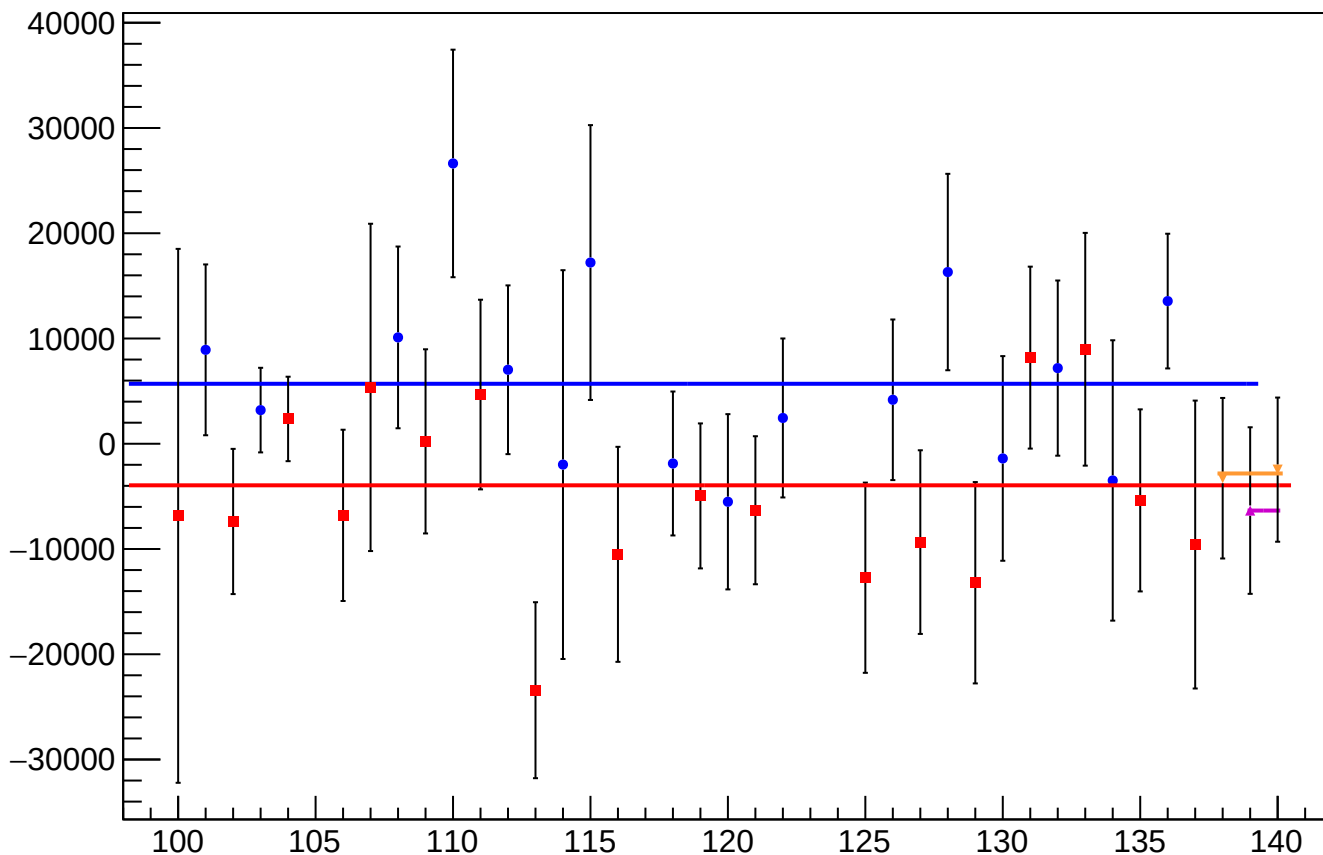
Left In: 7133.544 $\pm$ 5.503 χ^2 /NDF: 0.0/0

+ sign 5131.891 $\pm$ 1.253 χ^2 /NDF: 750902.9/17

All: 4831.713 $\pm$ 0.860 χ^2 /NDF: 2246603.3/30

- sign 4564.105 $\pm$ 1.183 χ^2 /NDF: 1387082.3/18

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218 $\pm$ 1959.214 χ^2 /NDF: 12.6/15

Left Out: -2824.009 $\pm$ 5095.748 χ^2 /NDF:0.0/1

Right Out: -3949.394 $\pm$ 1920.582 χ^2 /NDF: 16.1/17

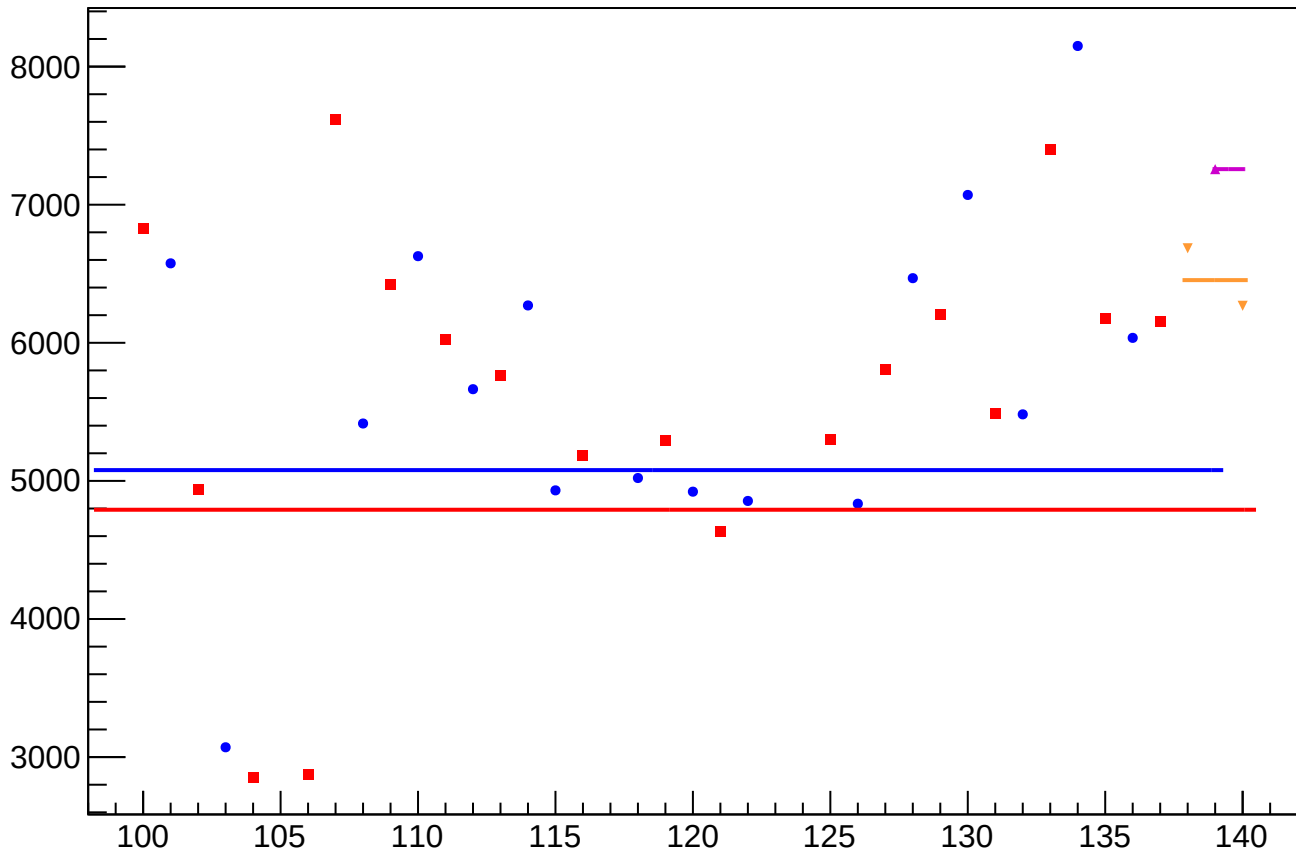
Left In: -6347.743 $\pm$ 7913.388 χ^2 /NDF:0.0/0

+ sign 4599.794 $\pm$ 1828.707 χ^2 /NDF: 15.1/17

All: 347.055 $\pm$ 1306.214 χ^2 /NDF: 42.3/36

- sign -4082.807 $\pm$ 1866.400 χ^2 /NDF: 16.2/18

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF : 919209.4/15

Left Out: 6453.905+/-3.603 χ^2/NDF : 3300.5/1

+ sign 5255.330+/-1.293 χ^2/NDF : 1049514.2/17

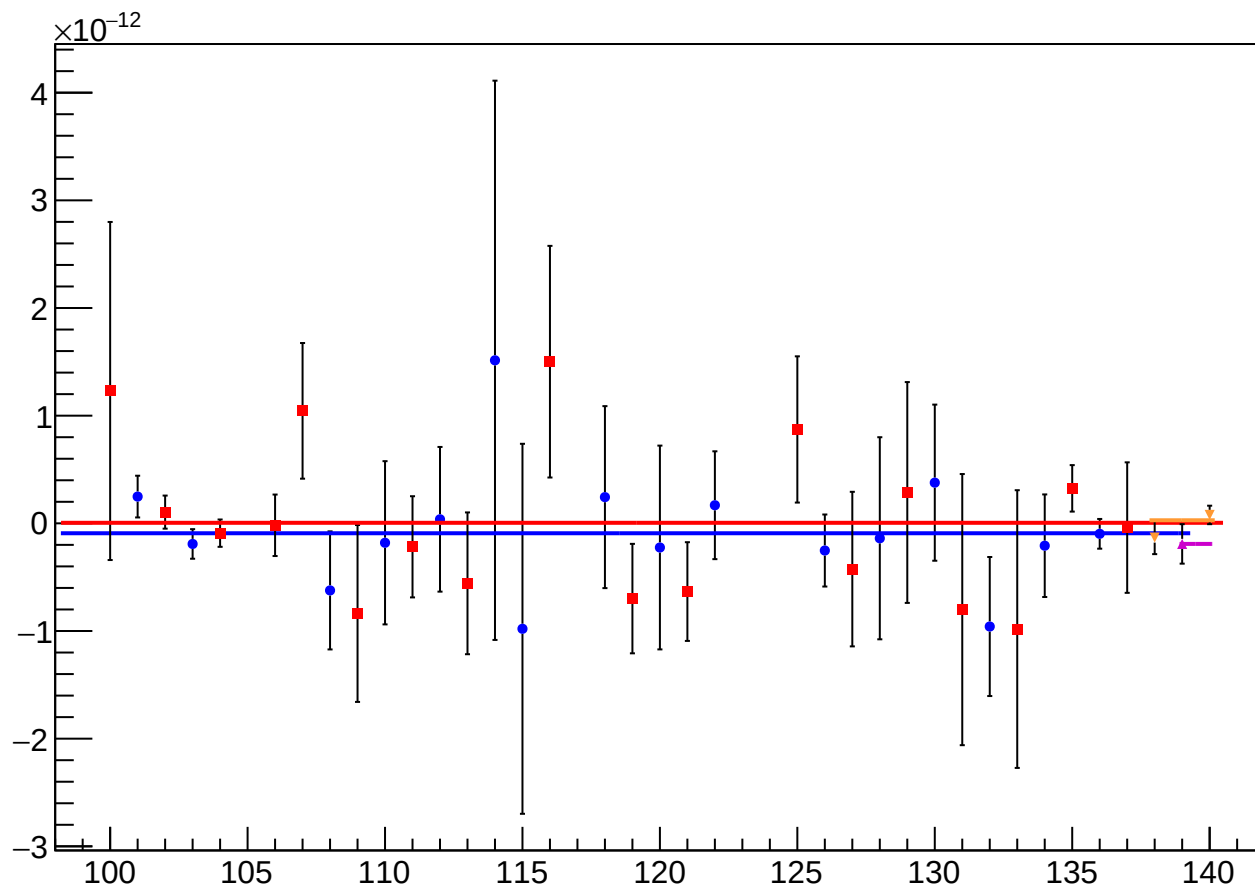
Right Out: 4791.154+/-1.331 χ^2/NDF : 1162455.3/17

All: 5089.449+/-0.915 χ^2/NDF : 2428807.1/30

- sign 4923.175+/-1.295 χ^2/NDF : 1346340.0/18

Left In: 7257.570+/-5.596 χ^2/NDF : 0.0/0

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

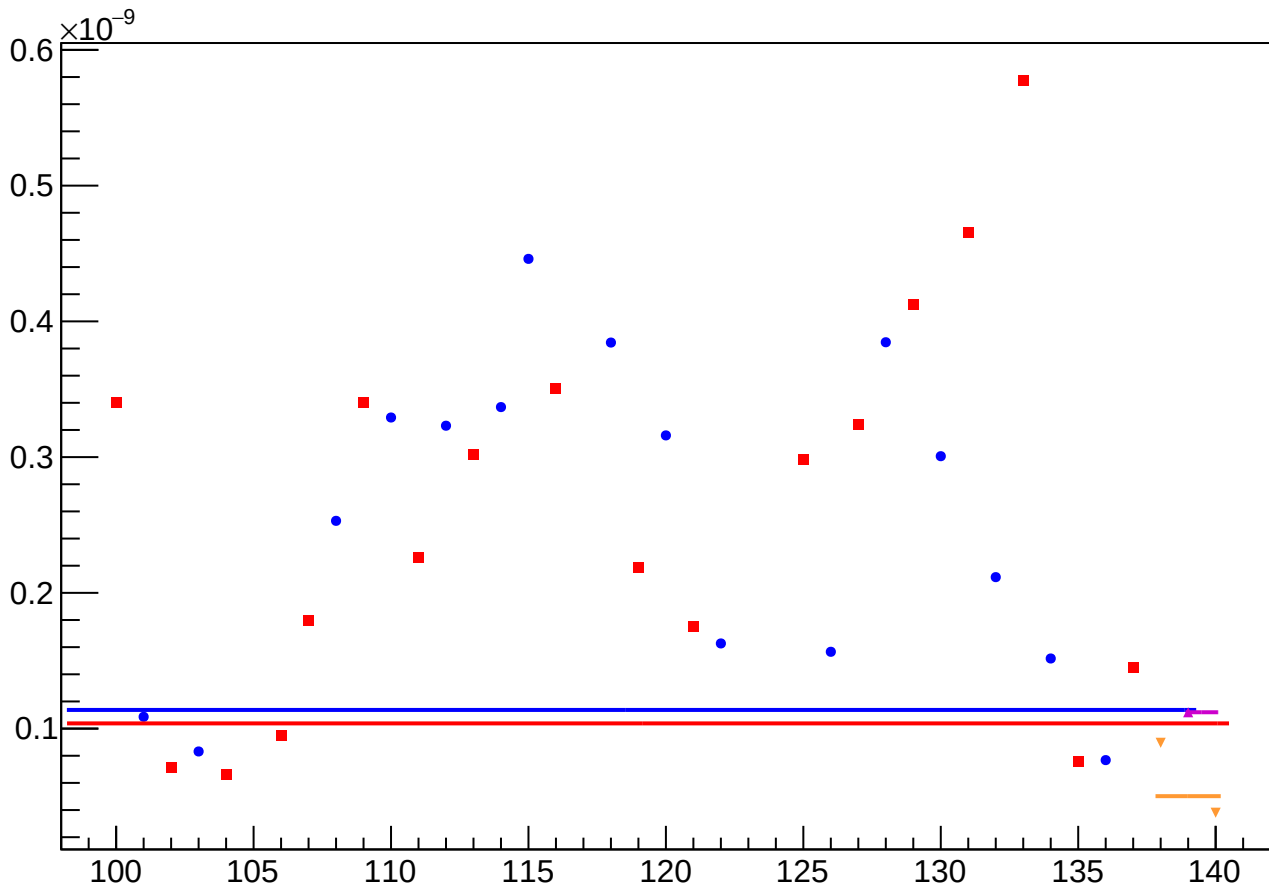
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 170739.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2087534.7/17

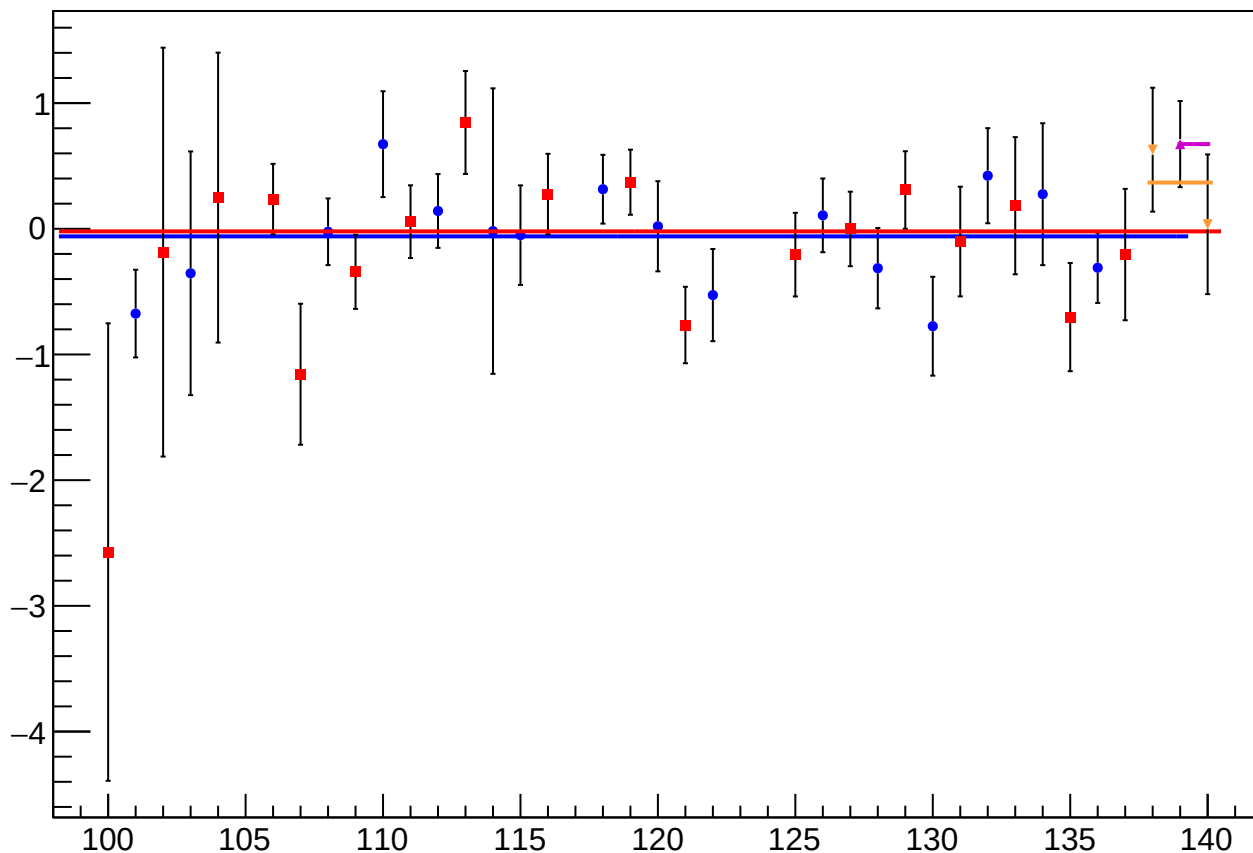
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2387018.5/17

All: 0.000+/-0.000 χ^2/NDF : 4625872.1/36

- sign 0.000+/-0.000 χ^2/NDF : 2090938.0/18

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.060 ± 0.089 χ^2/NDF : 17.3/15

Left Out: 0.368 ± 0.369 χ^2/NDF : 0.6/1

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

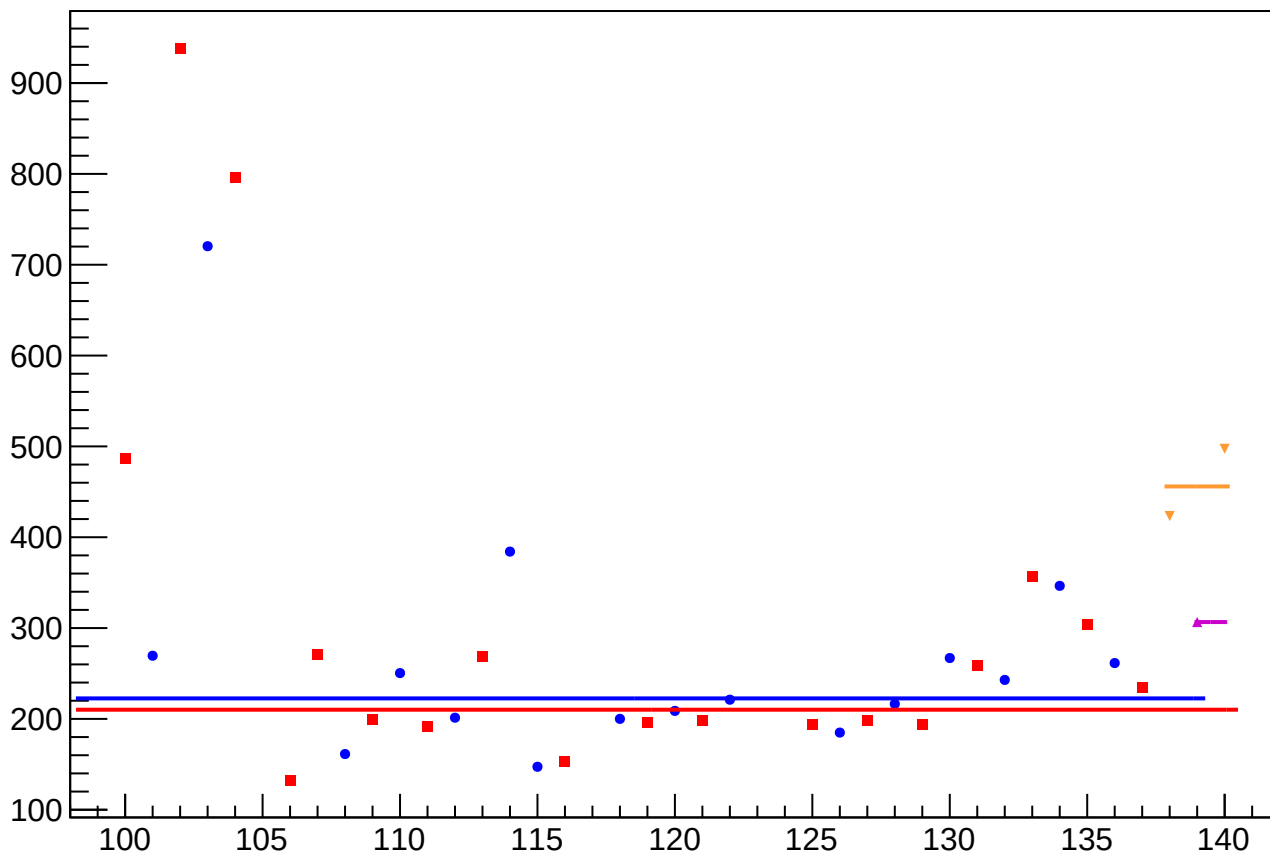
Left In: 0.674 ± 0.343 χ^2/NDF : 0.0/0

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.007 ± 0.060 χ^2/NDF : 49.4/36

- sign 0.022 ± 0.085 χ^2/NDF : 30.0/18

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 222.569 $\pm$ 0.063 χ^2 /NDF: 1018774.9/15

Left Out: 455.909 $\pm$ 0.261 χ^2 /NDF:19864.7/1

Right Out: 210.123 $\pm$ 0.062 χ^2 /NDF: 1548526.4/17

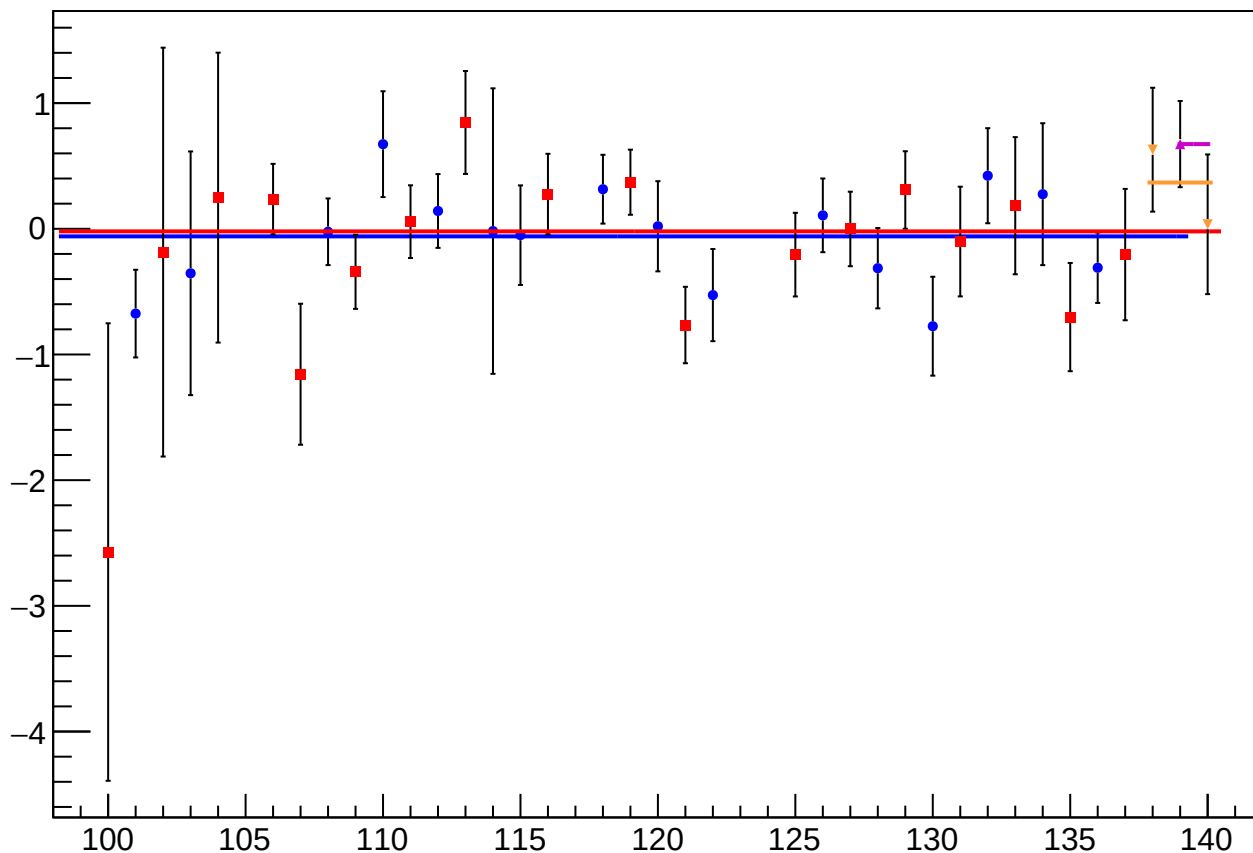
Left In: 306.624 $\pm$ 0.242 χ^2 /NDF:0.0/0

+ sign 235.320 $\pm$ 0.061 χ^2 /NDF: 1795720.8/17

All: 225.500 $\pm$ 0.043 χ^2 /NDF: 3544025.4/36

- sign 216.014 $\pm$ 0.060 χ^2 /NDF: 1697275.4/18

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060 ± 0.089 χ^2/NDF : 17.3/15

Left Out: 0.368 ± 0.369 χ^2/NDF : 0.6/1

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

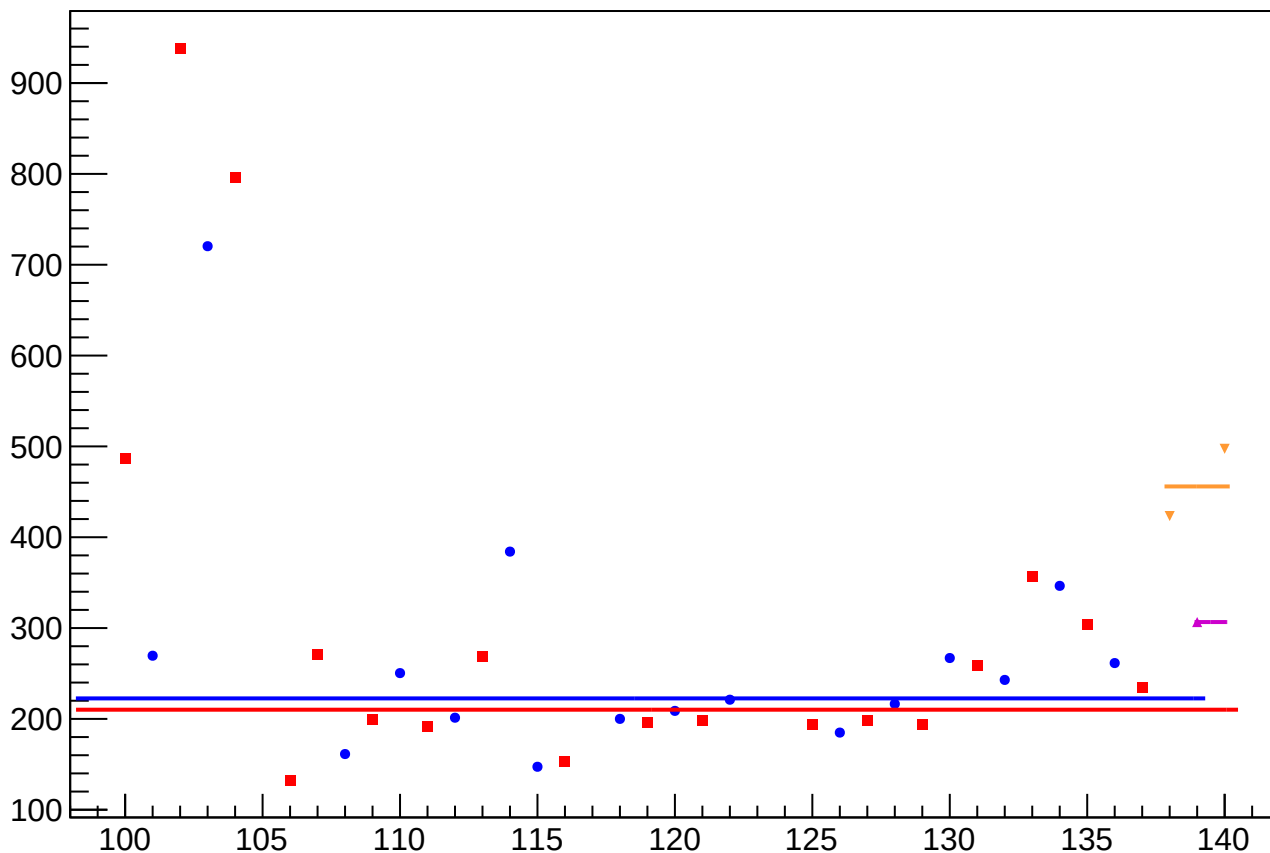
Left In: 0.674 ± 0.343 χ^2/NDF : 0.0/0

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.007 ± 0.060 χ^2/NDF : 49.4/36

- sign 0.022 ± 0.085 χ^2/NDF : 30.0/18

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 222.569 $\pm$ 0.063 χ^2 /NDF: 1018774.9/15

Left Out: 455.909 $\pm$ 0.261 χ^2 /NDF:19864.7/1

Right Out: 210.123 $\pm$ 0.062 χ^2 /NDF: 1548526.4/17

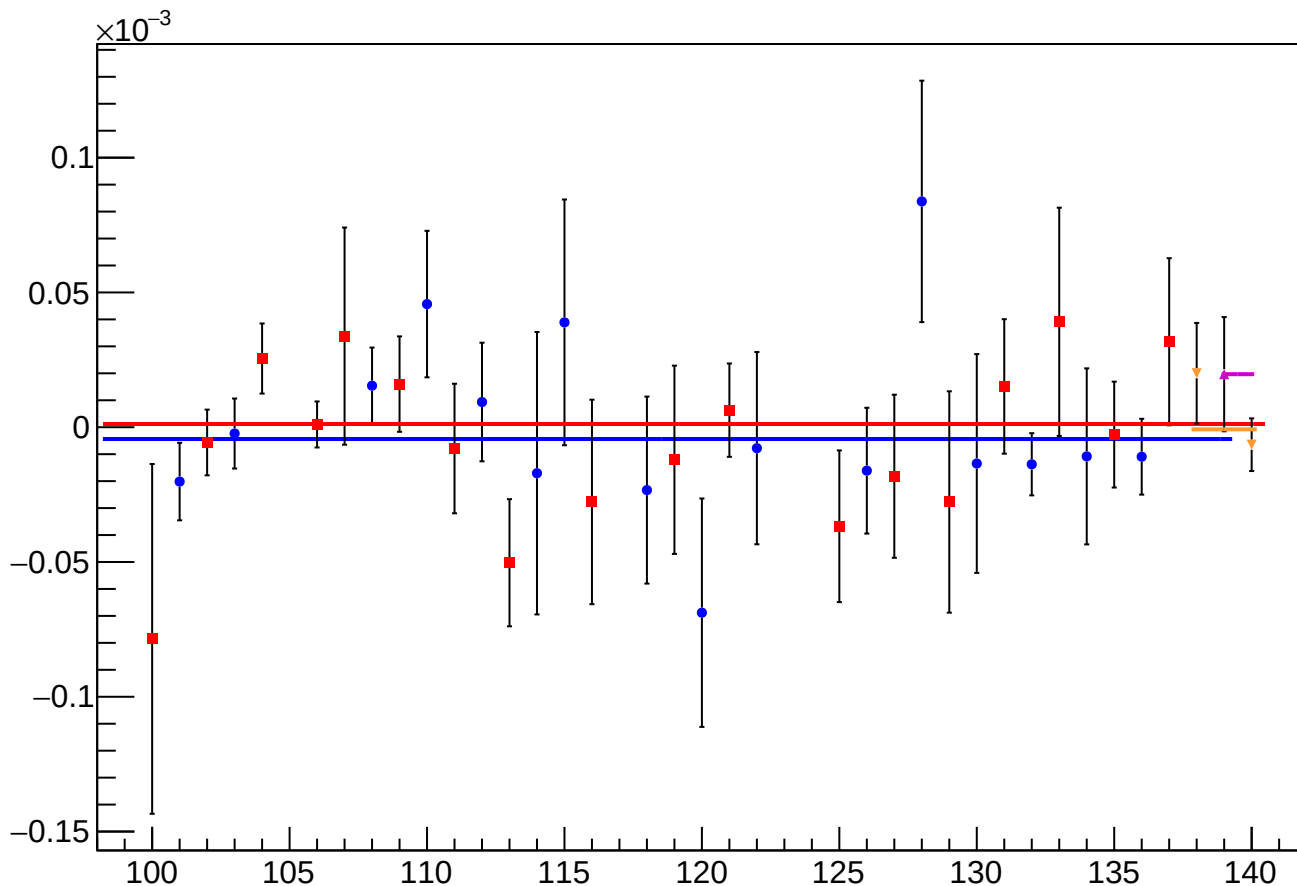
Left In: 306.624 $\pm$ 0.242 χ^2 /NDF:0.0/0

+ sign 235.320 $\pm$ 0.061 χ^2 /NDF: 1795720.8/17

All: 225.500 $\pm$ 0.043 χ^2 /NDF: 3544025.4/36

- sign 216.014 $\pm$ 0.060 χ^2 /NDF: 1697275.4/18

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF : 1.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 17.2/17

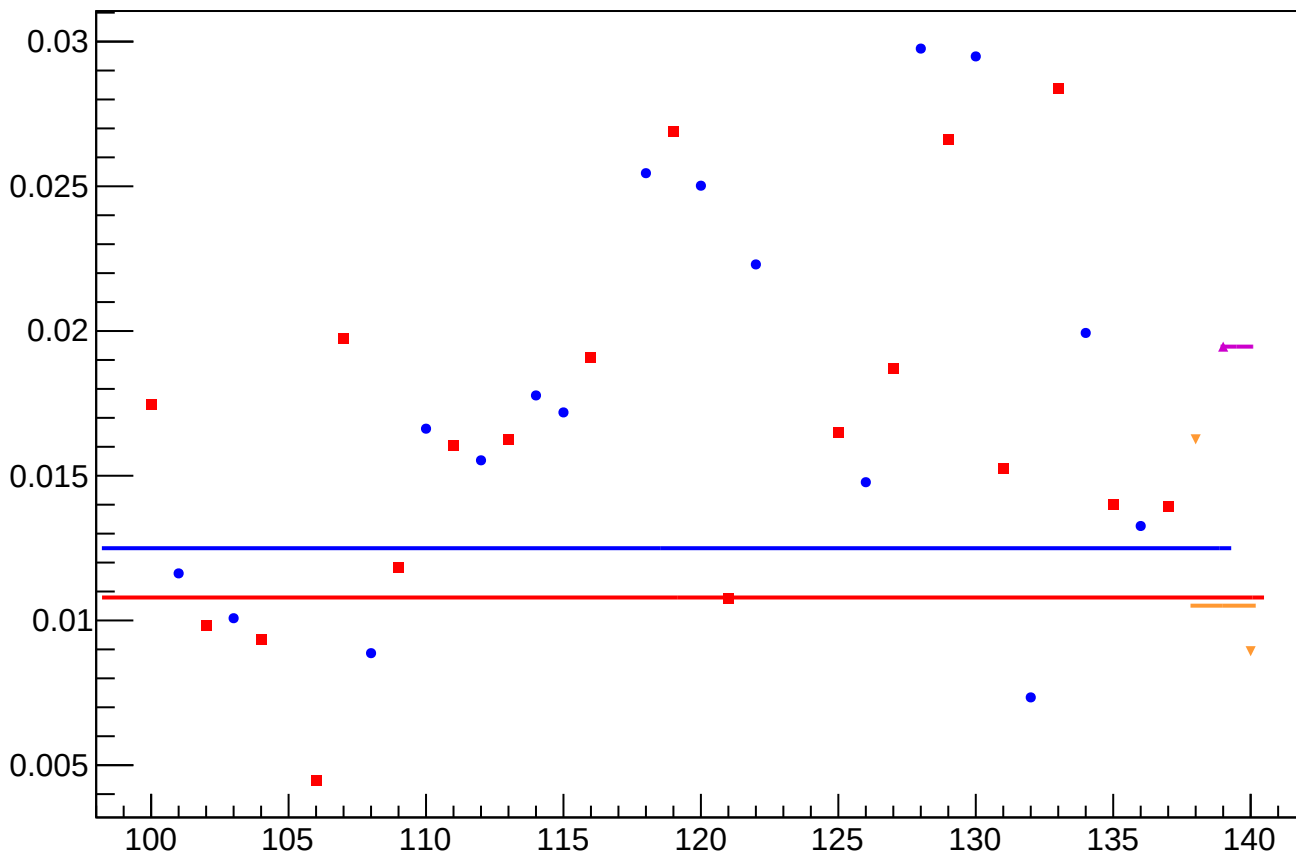
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 17.4/17

All: -0.000+/-0.000 χ^2/NDF : 36.1/36

- sign 0.000+/-0.000 χ^2/NDF : 18.0/18

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF : 241593.7/1

Right Out: 0.011+/-0.000 χ^2/NDF : 2987826.3/17

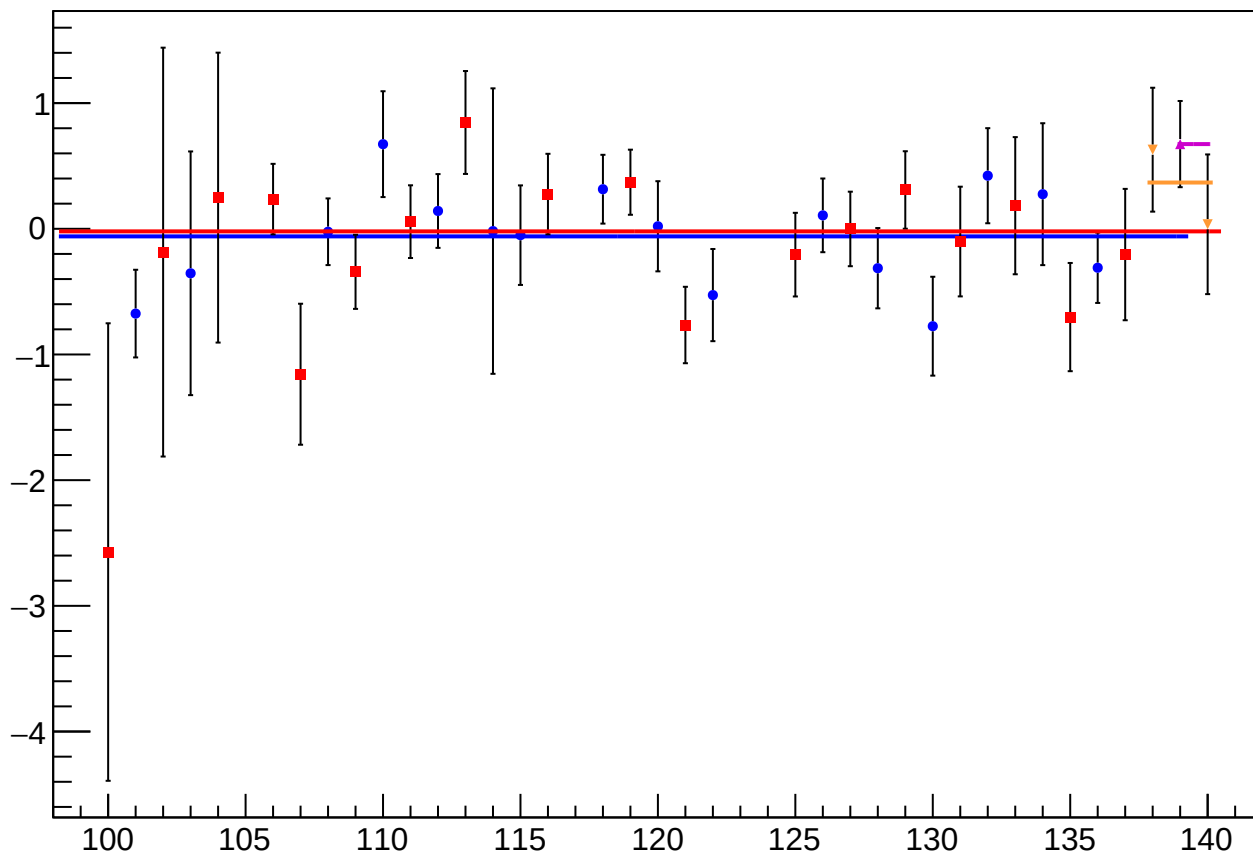
Left In: 0.019+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.000 χ^2/NDF : 2434827.3/17

All: 0.012+/-0.000 χ^2/NDF : 5775379.5/36

- sign 0.011+/-0.000 χ^2/NDF : 3307569.2/18

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.060 ± 0.089 χ^2/NDF : 17.3/15

Left Out: 0.368 ± 0.369 χ^2/NDF : 0.6/1

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

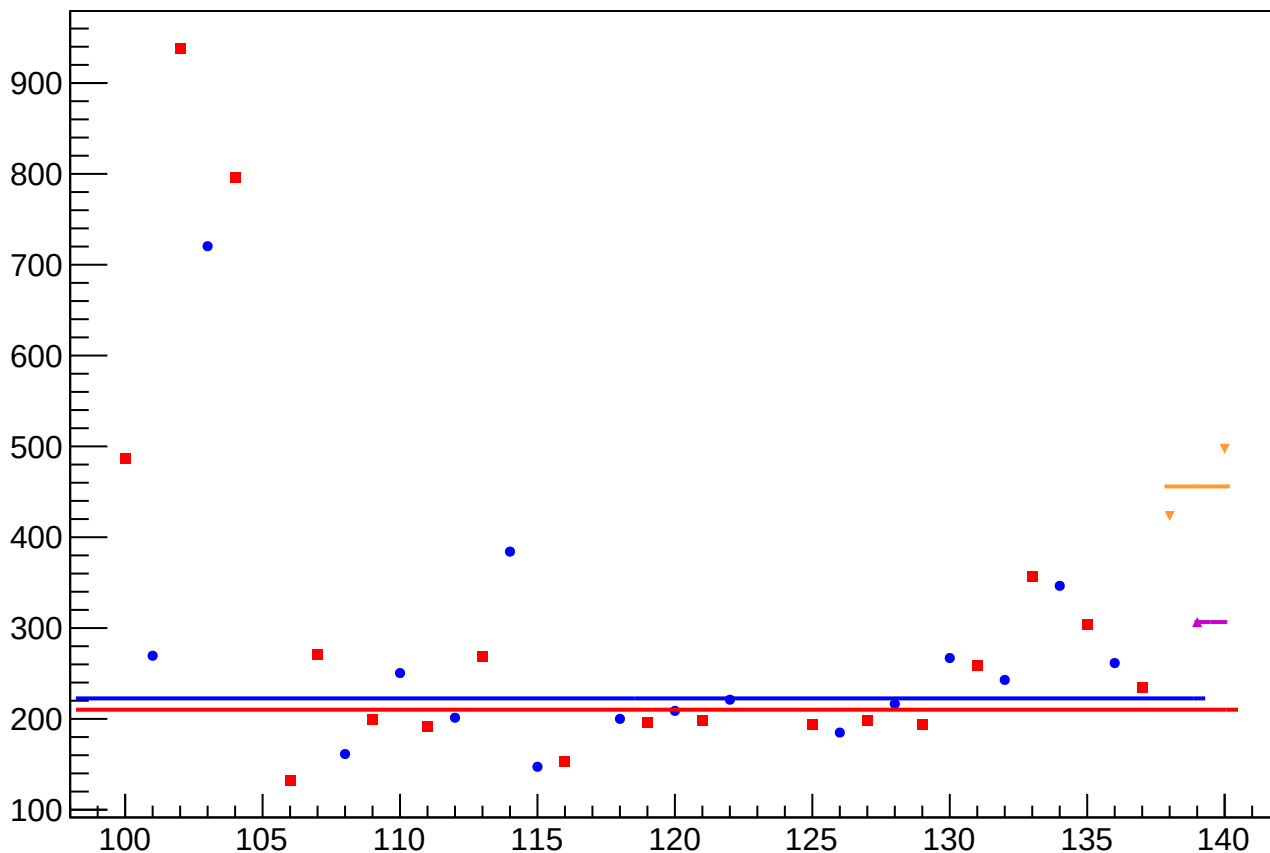
Left In: 0.674 ± 0.343 χ^2/NDF : 0.0/0

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.007 ± 0.060 χ^2/NDF : 49.4/36

- sign 0.022 ± 0.085 χ^2/NDF : 30.0/18

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 222.567 $\pm$ 0.063 χ^2 /NDF: 1018760.3/15

Left Out: 455.912 $\pm$ 0.261 χ^2 /NDF:19863.8/1

Right Out: 210.120 $\pm$ 0.062 χ^2 /NDF: 1548507.5/17

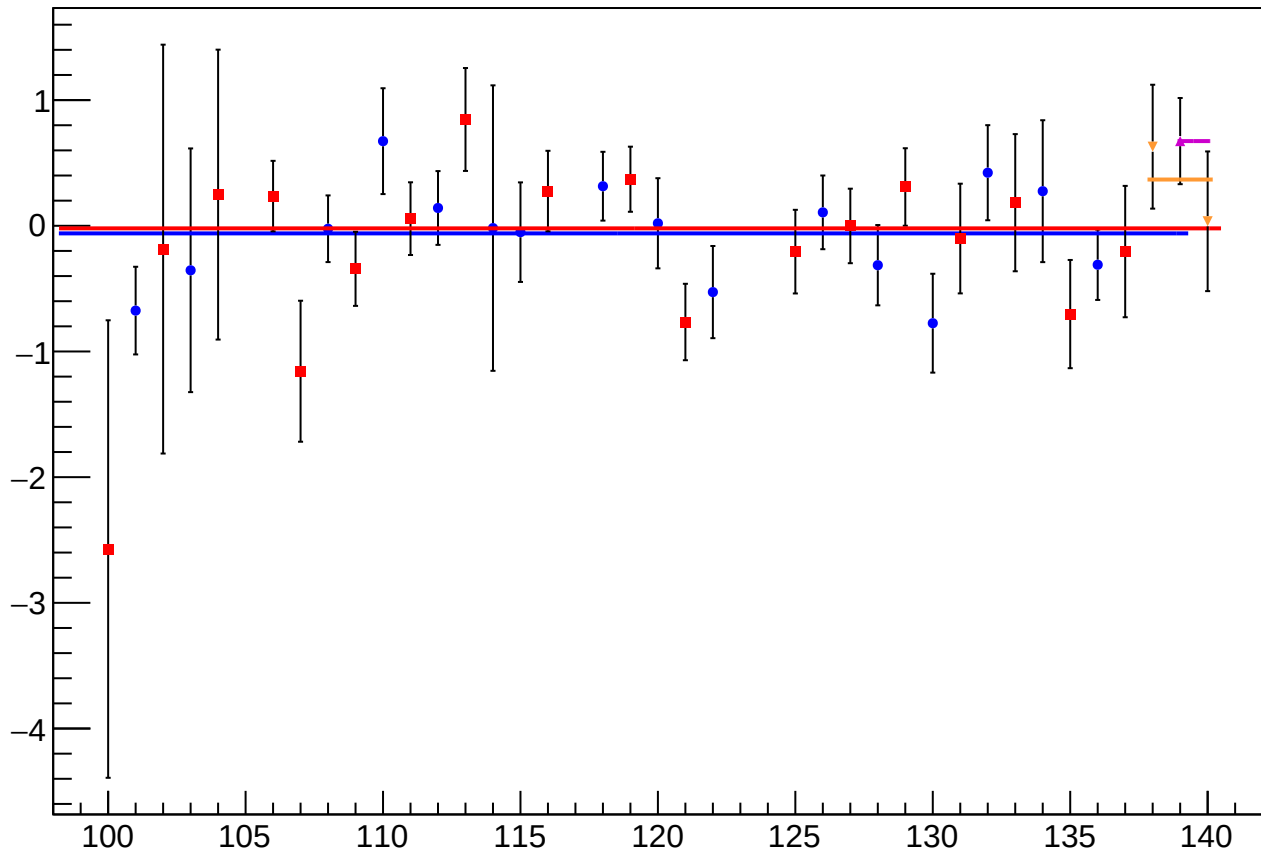
Left In: 306.632 $\pm$ 0.242 χ^2 /NDF:0.0/0

+ sign 235.318 $\pm$ 0.061 χ^2 /NDF: 1795729.0/17

All: 225.498 $\pm$ 0.043 χ^2 /NDF: 3544042.6/36

- sign 216.012 $\pm$ 0.060 χ^2 /NDF: 1697280.6/18

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060 ± 0.089 χ^2/NDF : 17.3/15

Left Out: 0.368 ± 0.369 χ^2/NDF : 0.6/1

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

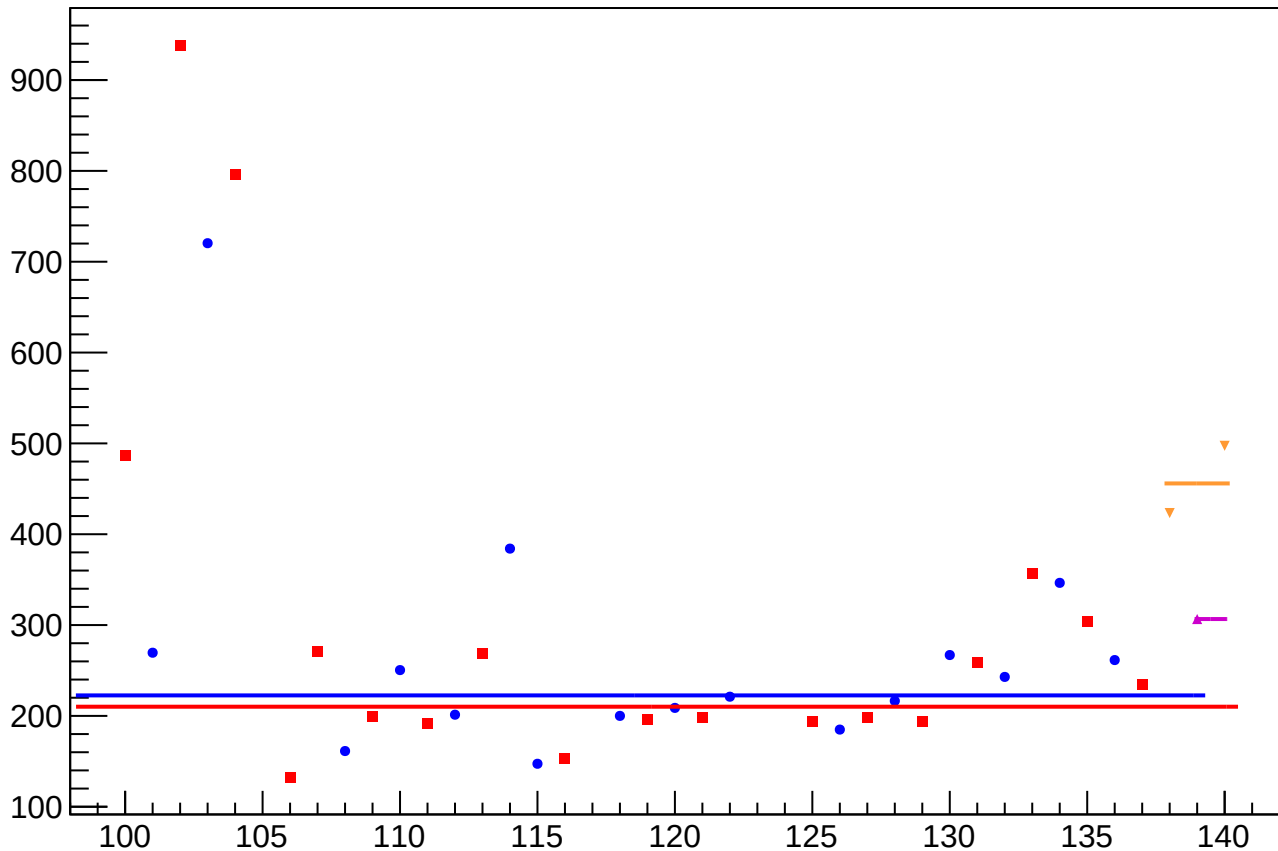
Left In: 0.674 ± 0.343 χ^2/NDF : 0.0/0

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.007 ± 0.060 χ^2/NDF : 49.4/36

- sign 0.022 ± 0.085 χ^2/NDF : 30.0/18

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 222.567 $\pm$ 0.063 χ^2 /NDF: 1018760.3/15

Left Out: 455.912 $\pm$ 0.261 χ^2 /NDF:19863.8/1

Right Out: 210.120 $\pm$ 0.062 χ^2 /NDF: 1548507.5/17

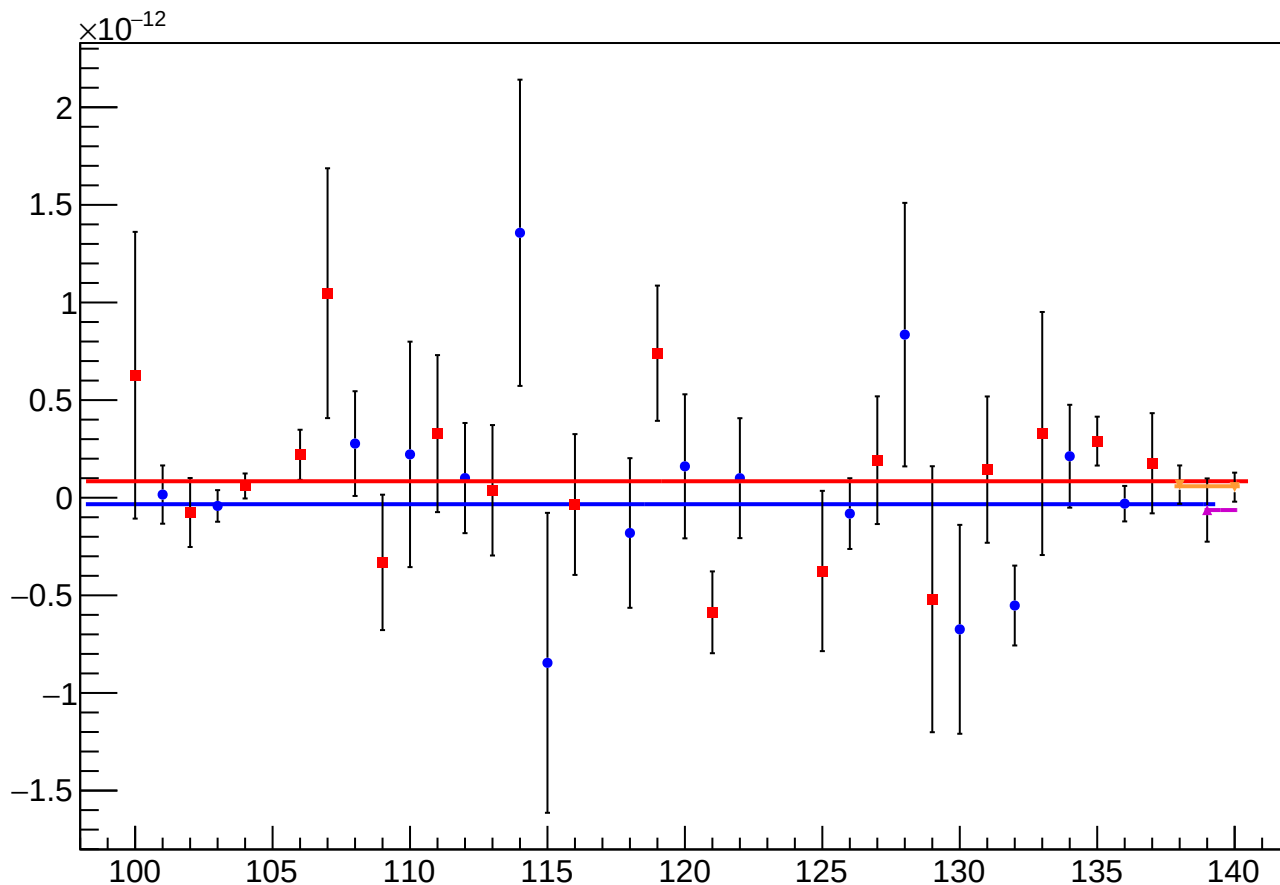
Left In: 306.632 $\pm$ 0.242 χ^2 /NDF:0.0/0

+ sign 235.318 $\pm$ 0.061 χ^2 /NDF: 1795729.0/17

All: 225.498 $\pm$ 0.043 χ^2 /NDF: 3544042.6/36

- sign 216.012 $\pm$ 0.060 χ^2 /NDF: 1697280.6/18

asym_us_avg_atlr_avg_avg_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 : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.8/17

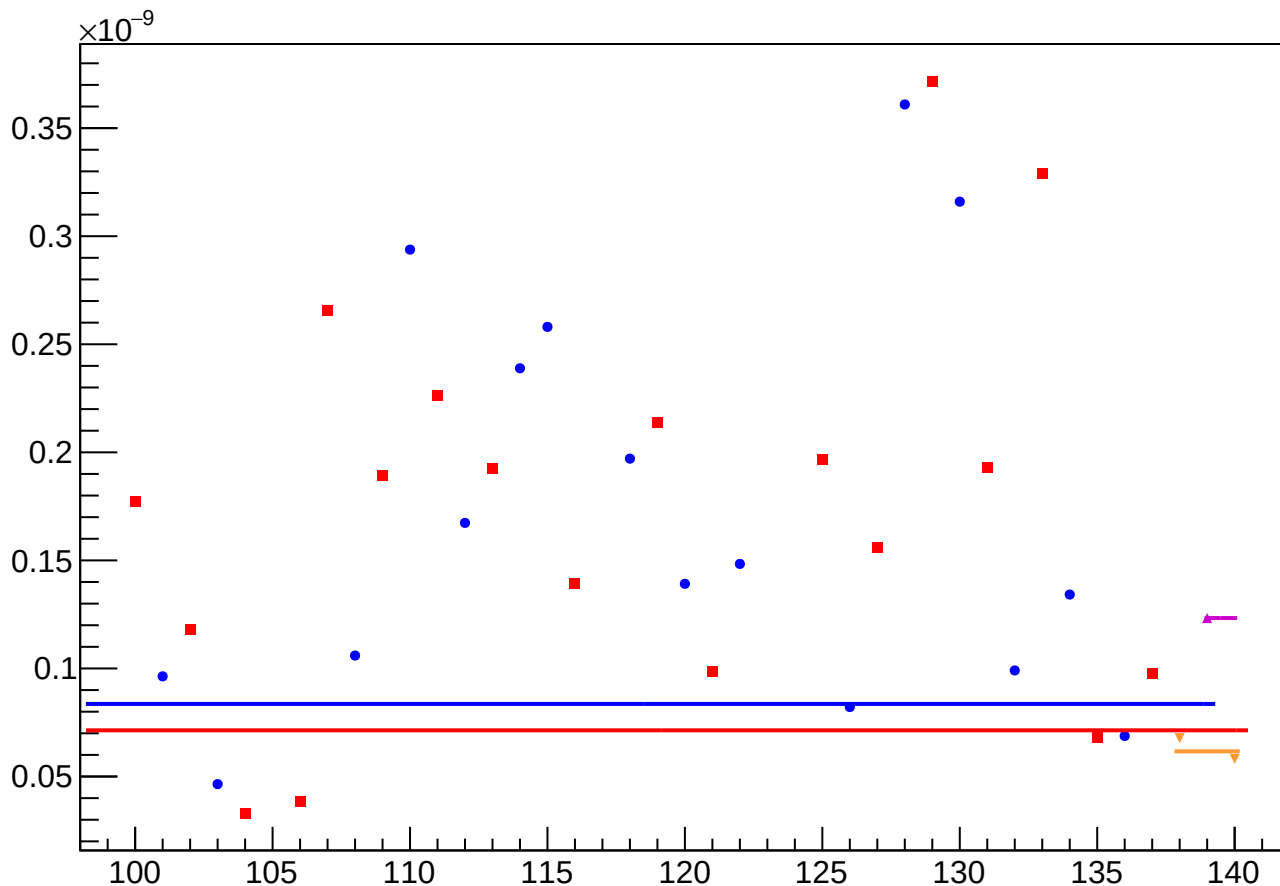
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 18.7/17

All: 0.000 ± 0.000 χ^2/NDF : 46.9/36

- sign 0.000 ± 0.000 χ^2/NDF : 26.6/18

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2235431.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 12104.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3745180.4/17

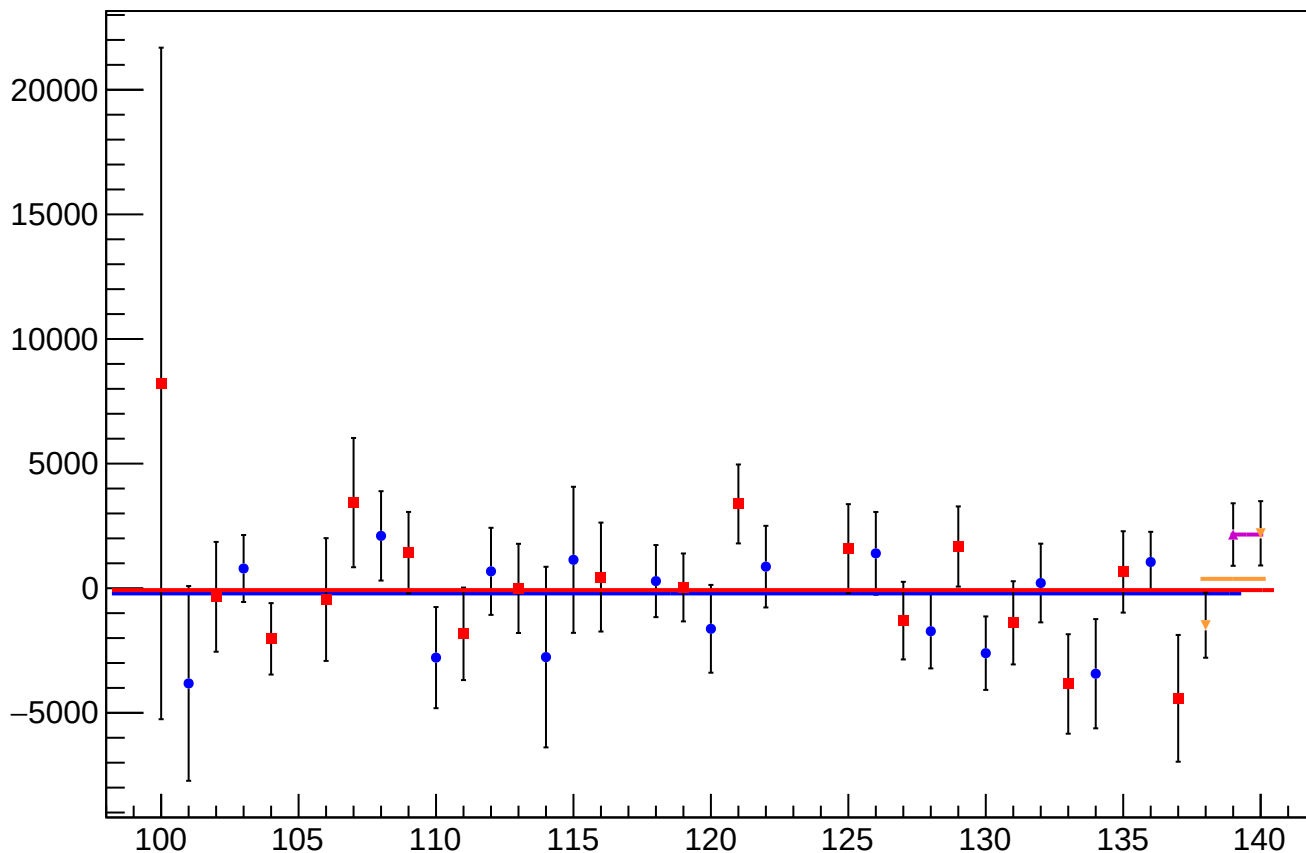
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2415375.5/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6351753.4/36

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3936370.6/18

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338 ± 429.155 χ^2/NDF : 14.8/15

Left Out: 376.172 ± 916.778 χ^2/NDF : 4.0/1

Right Out: -75.616 ± 430.760 χ^2/NDF : 20.7/17

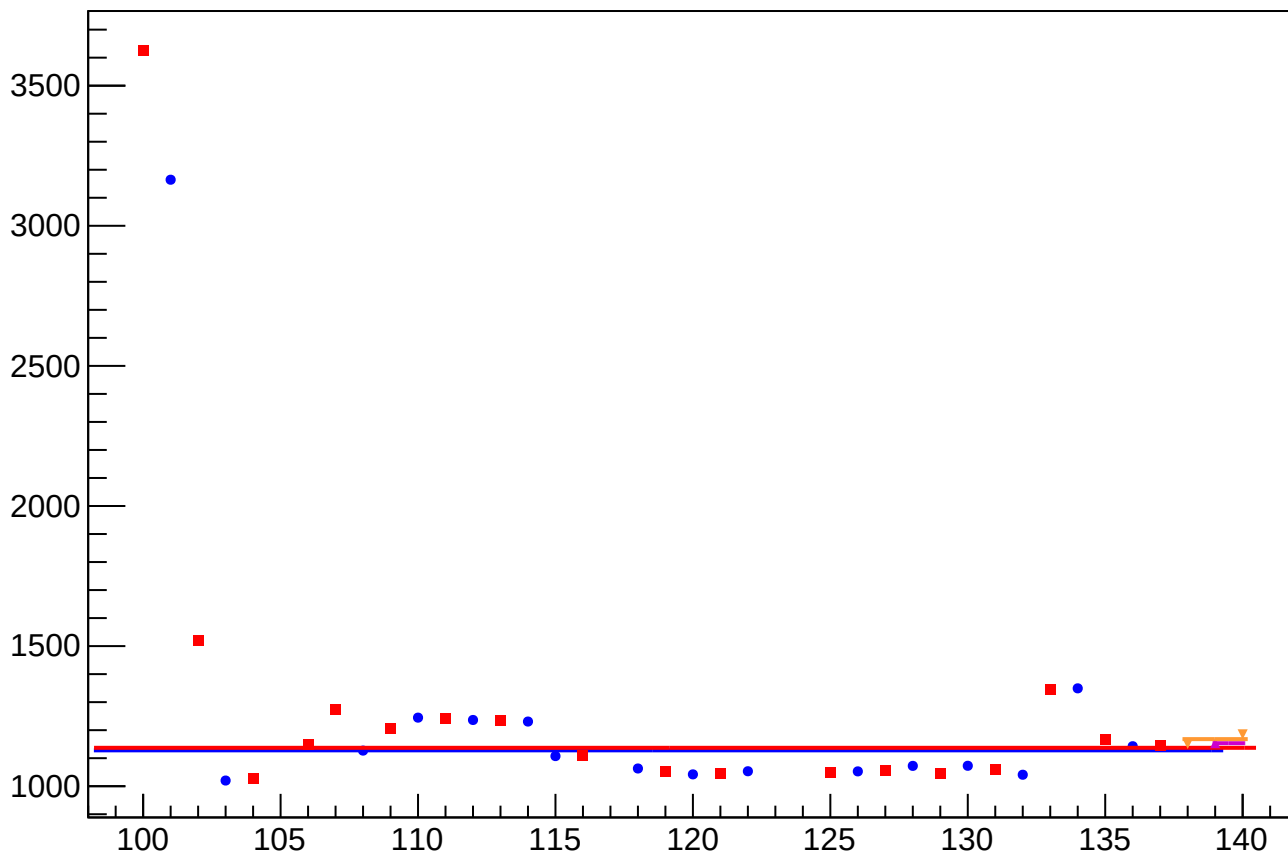
Left In: 2154.017 ± 1254.465 χ^2/NDF : 0.0/0

+ sign -103.277 ± 388.677 χ^2/NDF : 19.2/17

All: 21.957 ± 281.226 χ^2/NDF : 42.8/36

- sign 159.553 ± 407.410 χ^2/NDF : 23.5/18

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621394.5/15

Left Out: 1168.059 $\pm$ 0.648 χ^2 /NDF: 698.6/1

Right Out: 1137.041 $\pm$ 0.304 χ^2 /NDF: 220086.1/17

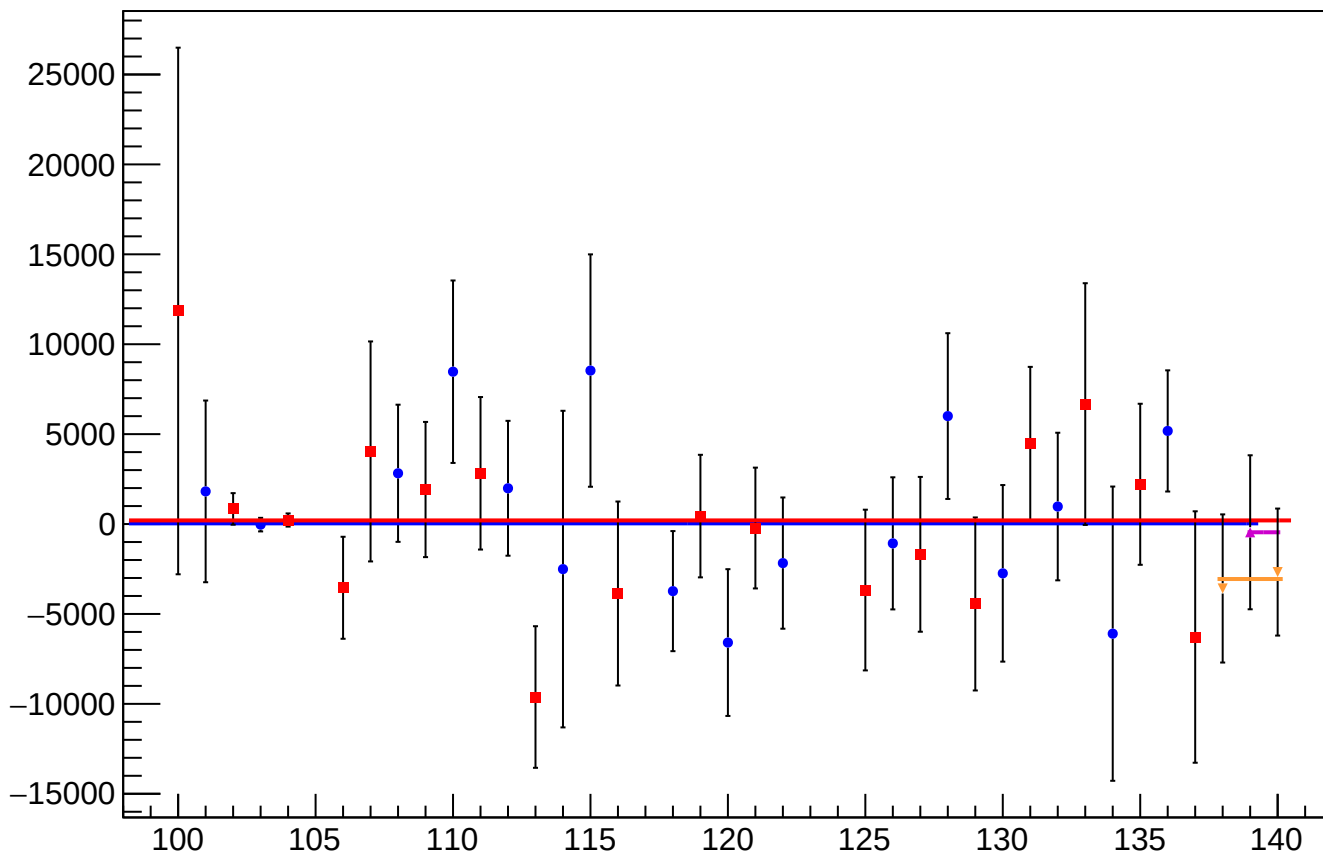
Left In: 1153.556 $\pm$ 0.887 χ^2 /NDF: 0.0/0

+ sign 1135.206 $\pm$ 0.275 χ^2 /NDF: 625224.2/17

All: 1136.911 $\pm$ 0.199 χ^2 /NDF: 845701.1/36

- sign 1138.777 $\pm$ 0.288 χ^2 /NDF: 220396.3/18

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug



Right In: 38.300+/-357.651 χ^2/NDF : 14.8/15

Left Out: -3056.973+/-2681.335 χ^2/NDF : 0.0/1

Right Out: 201.642+/-322.545 χ^2/NDF : 15.6/17

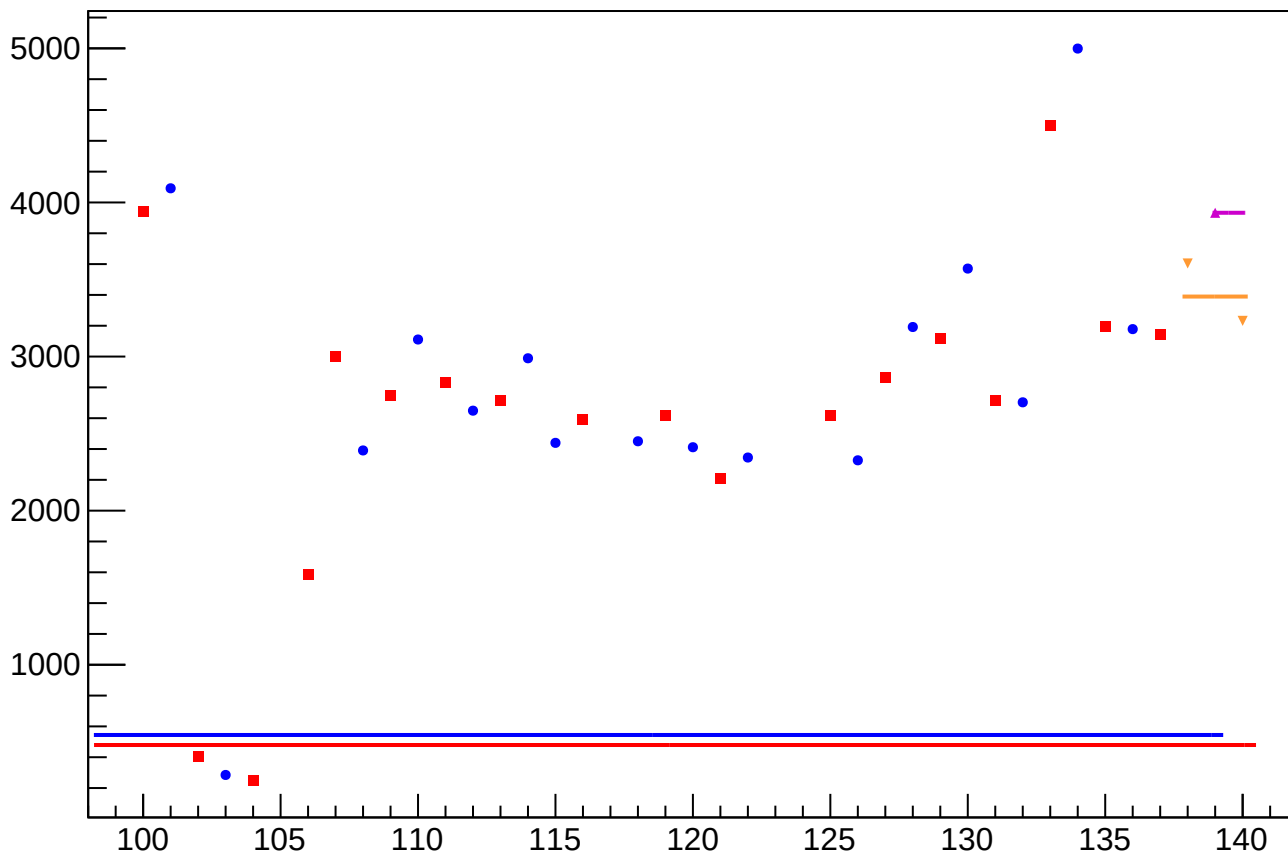
Left In: -458.019+/-4282.502 χ^2/NDF : 0.0/0

+ sign -15.807+/-354.512 χ^2/NDF : 16.2/17

All: 101.425+/-238.207 χ^2/NDF : 32.0/36

- sign 197.921+/-321.634 χ^2/NDF : 15.7/18

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF : 9682967.9/15

Left Out: 3389.371+/-1.896 χ^2/NDF : 9422.9/1

Right Out: 479.253+/-0.228 χ^2/NDF : 9187985.0/17

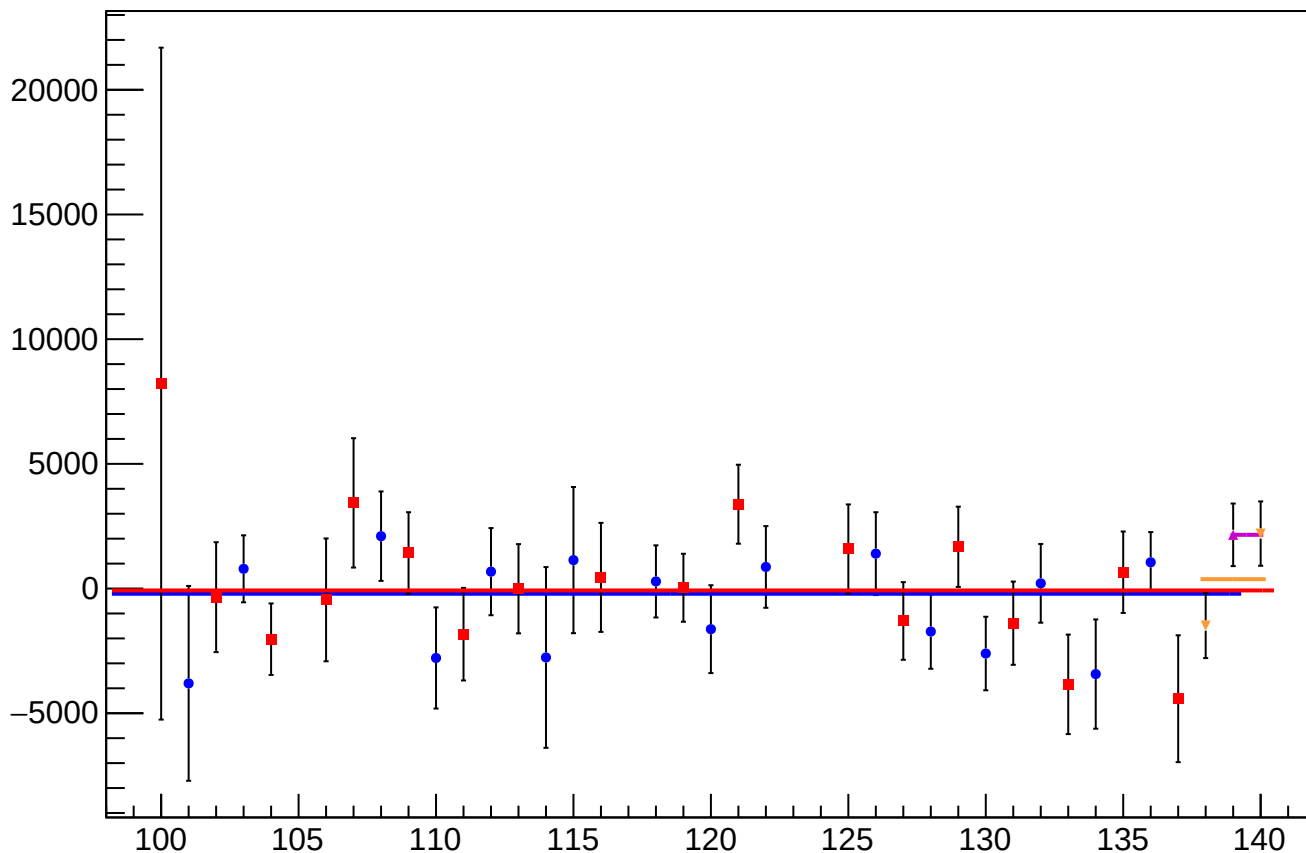
Left In: 3933.056+/-3.028 χ^2/NDF : 0.0/0

+ sign 594.069+/-0.251 χ^2/NDF : 11904692.6/17

All: 541.777+/-0.168 χ^2/NDF : 22465531.8/30

- sign 498.734+/-0.227 χ^2/NDF : 10481505.8/18

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110 ± 429.155 χ^2/NDF : 14.8/15

Left Out: 376.168 ± 916.778 χ^2/NDF : 4.0/1

Right Out: -75.761 ± 430.760 χ^2/NDF : 20.7/17

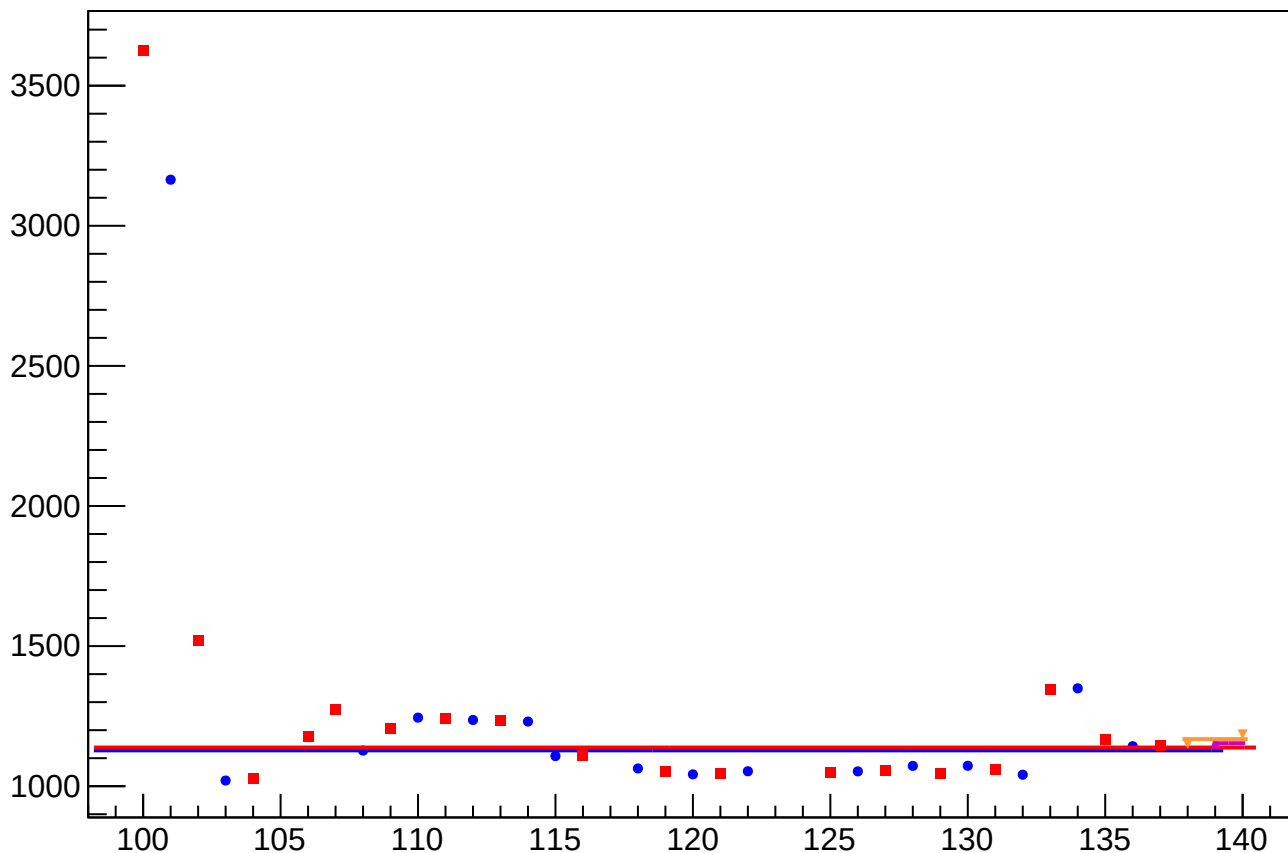
Left In: 2154.169 ± 1254.465 χ^2/NDF : 0.0/0

+ sign -103.090 ± 388.677 χ^2/NDF : 19.1/17

All: 22.000 ± 281.226 χ^2/NDF : 42.8/36

- sign 159.440 ± 407.410 χ^2/NDF : 23.5/18

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621395.6/15

Left Out: 1168.059 $\pm$ 0.648 χ^2 /NDF: 698.6/1

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

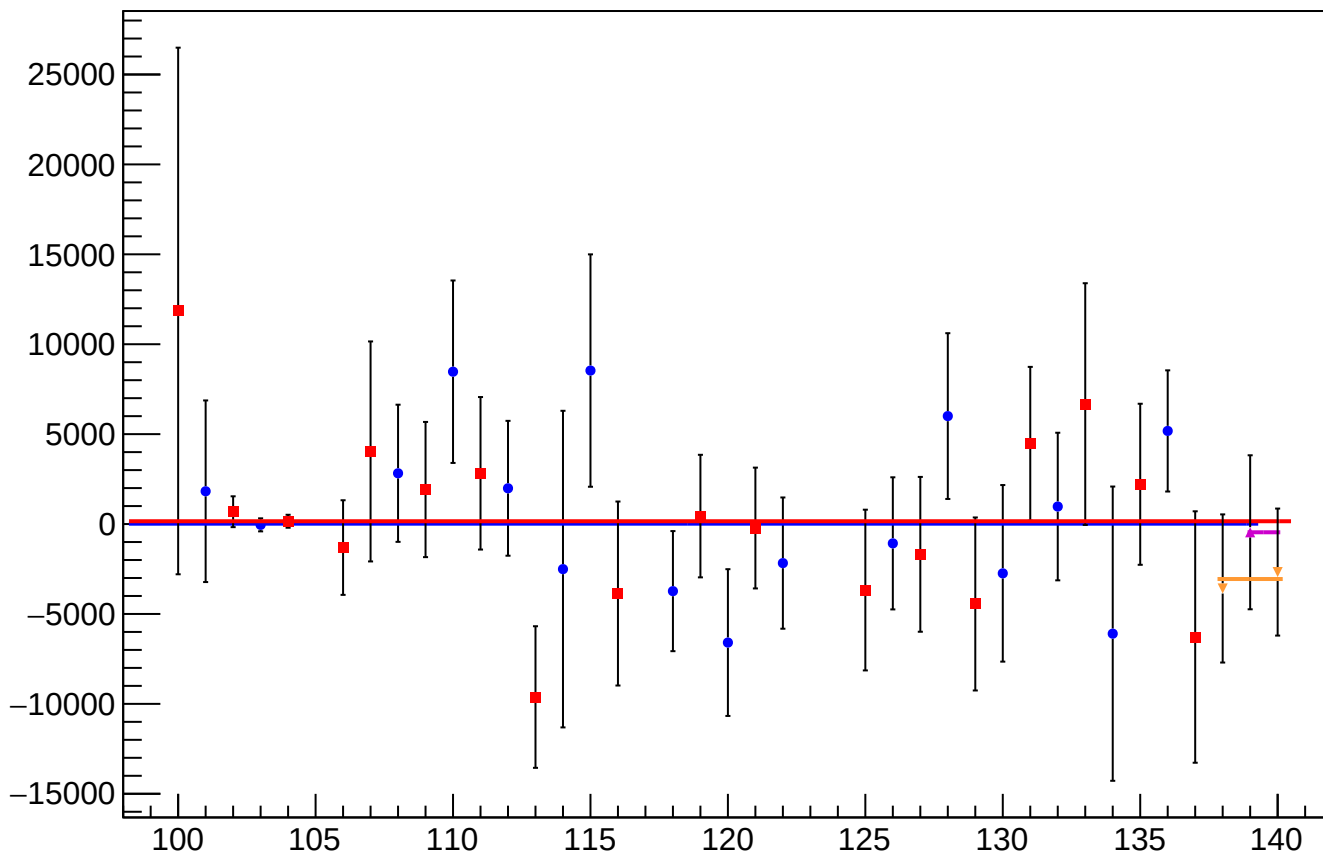
Left In: 1153.556 $\pm$ 0.887 χ^2 /NDF: 0.0/0

+ sign 1135.206 $\pm$ 0.275 χ^2 /NDF: 625225.3/17

All: 1137.319 $\pm$ 0.199 χ^2 /NDF: 846249.0/36

- sign 1139.639 $\pm$ 0.288 χ^2 /NDF: 220899.6/18

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: 21.645 $\pm$ 344.525 χ^2 /NDF: 14.9/15

Left Out: -3056.938 $\pm$ 2681.329 χ^2 /NDF:0.0/1

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

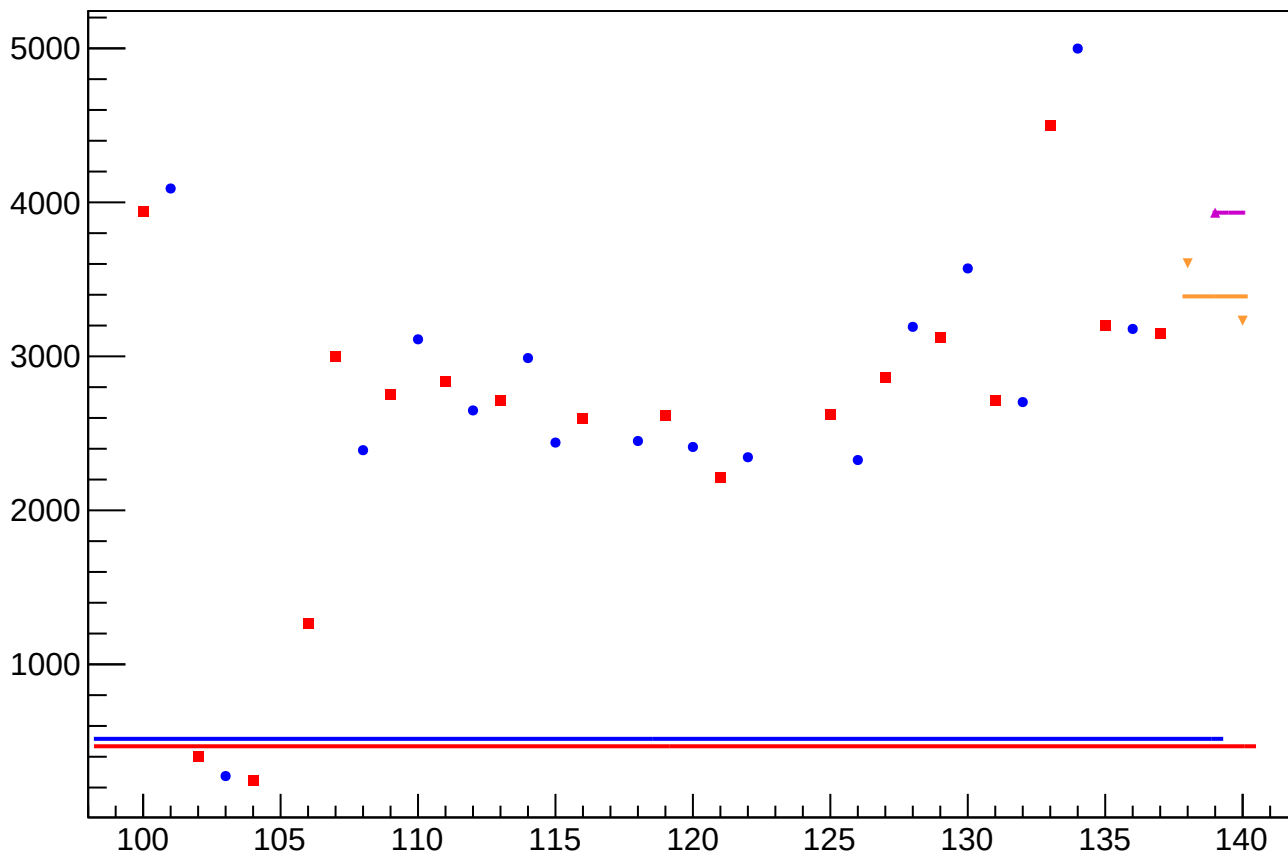
Left In: -457.995 $\pm$ 4282.509 χ^2 /NDF:0.0/0

+ sign -28.356 $\pm$ 341.716 χ^2 /NDF: 16.2/17

All: 69.193 $\pm$ 232.202 χ^2 /NDF: 30.4/36

- sign 152.876 $\pm$ 316.499 χ^2 /NDF: 14.0/18

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 516.297+/-0.244 χ^2/NDF : 9834669.6/15

Left Out: 3389.362+/-1.896 χ^2/NDF : 9423.1/1

Right Out: 468.060+/-0.224 χ^2/NDF : 9111222.0/17

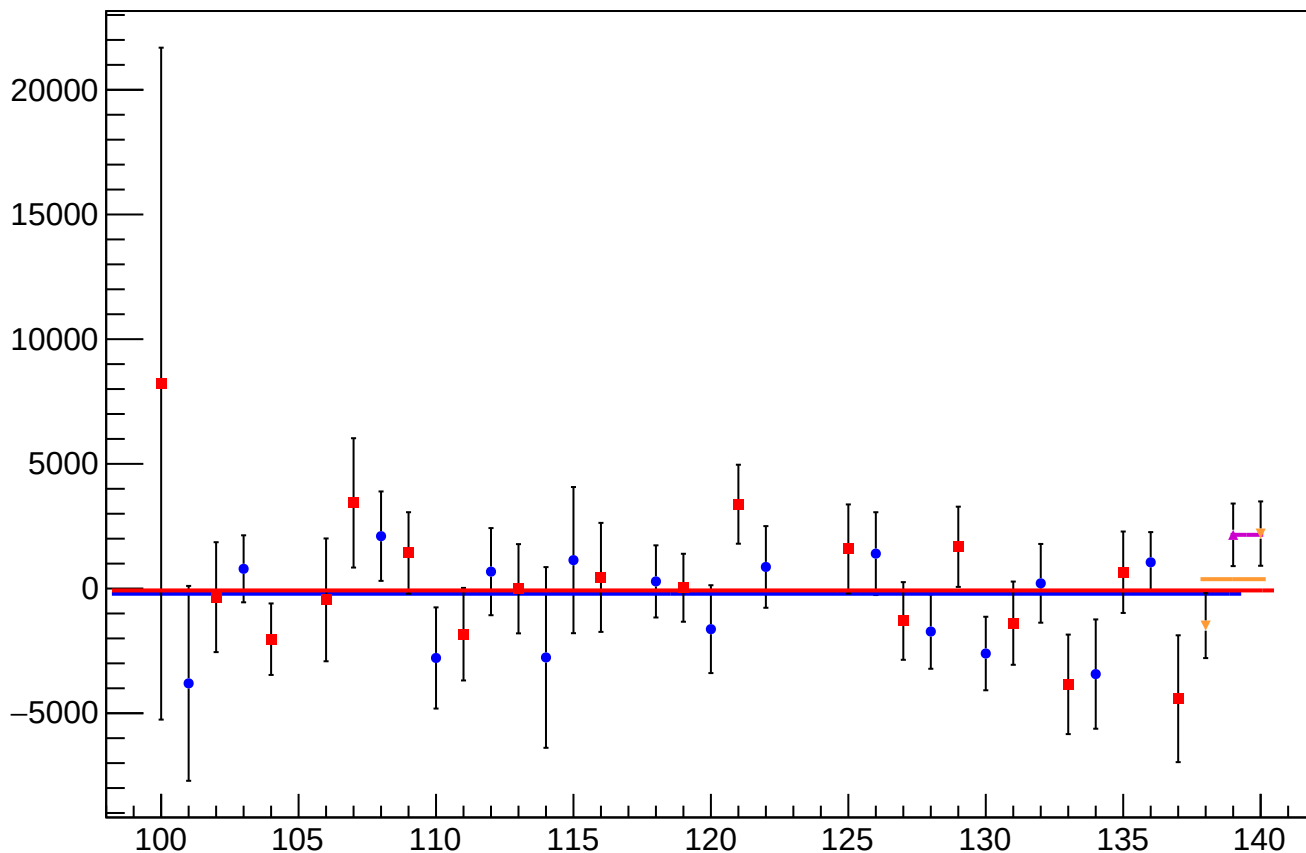
Left In: 3933.063+/-3.028 χ^2/NDF : 0.0/0

+ sign 562.960+/-0.242 χ^2/NDF : 12103056.7/17

All: 522.066+/-0.164 χ^2/NDF : 22569645.5/30

- sign 486.985+/-0.224 χ^2/NDF : 10413374.8/18

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: 376.168 ± 916.778 χ^2/NDF : 4.0/1

Right Out: -75.761 ± 430.760 χ^2/NDF : 20.7/17

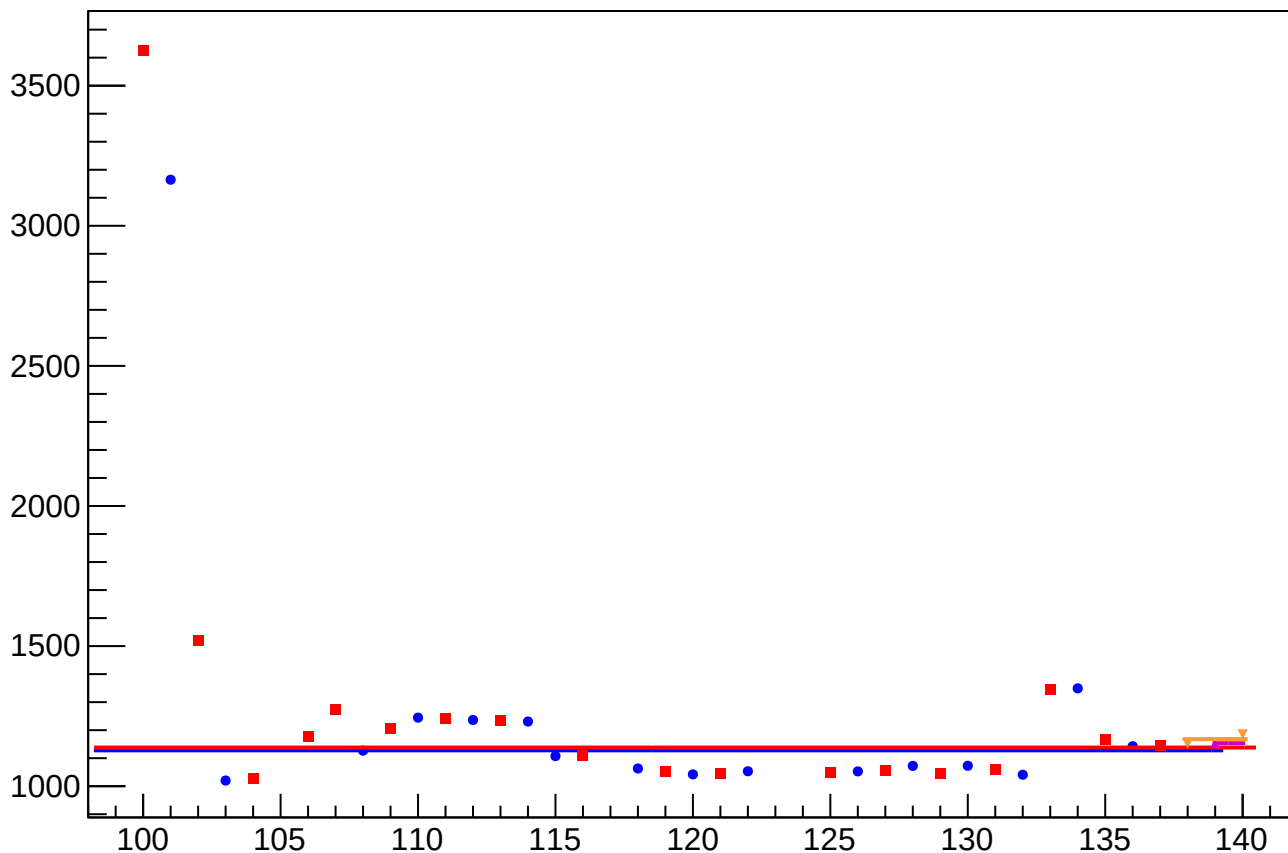
Left In: 2154.169 ± 1254.465 χ^2/NDF : 0.0/0

+ sign -103.090 ± 388.677 χ^2/NDF : 19.1/17

All: 22.000 ± 281.226 χ^2/NDF : 42.8/36

- sign 159.440 ± 407.410 χ^2/NDF : 23.5/18

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621395.6/15

Left Out: 1168.059 $\pm$ 0.648 χ^2 /NDF: 698.6/1

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

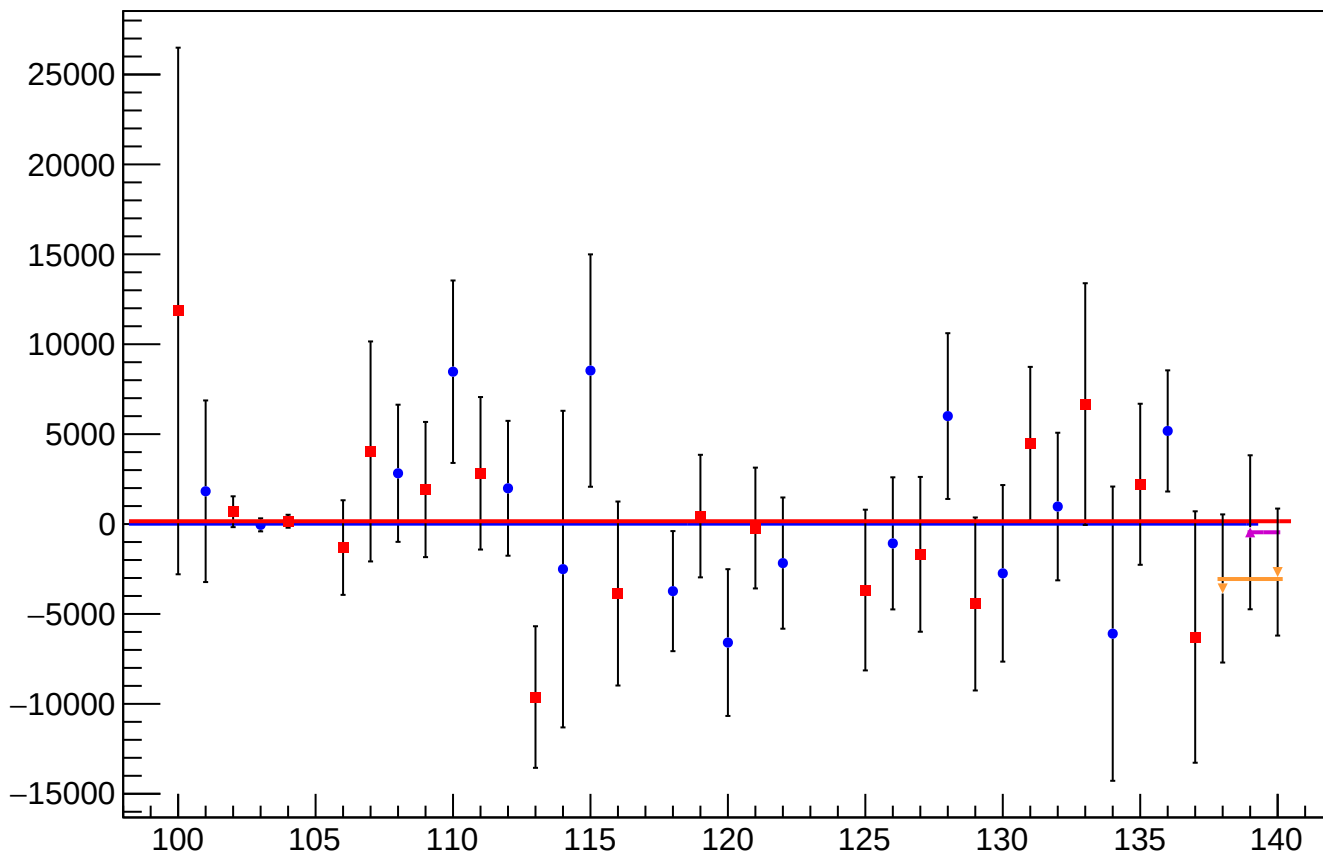
Left In: 1153.556 $\pm$ 0.887 χ^2 /NDF: 0.0/0

+ sign 1135.206 $\pm$ 0.275 χ^2 /NDF: 625225.3/17

All: 1137.319 $\pm$ 0.199 χ^2 /NDF: 846249.0/36

- sign 1139.639 $\pm$ 0.288 χ^2 /NDF: 220899.6/18

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 21.645 $\pm$ 344.525 χ^2 /NDF: 14.9/15

Left Out: -3056.938 $\pm$ 2681.329 χ^2 /NDF:0.0/1

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

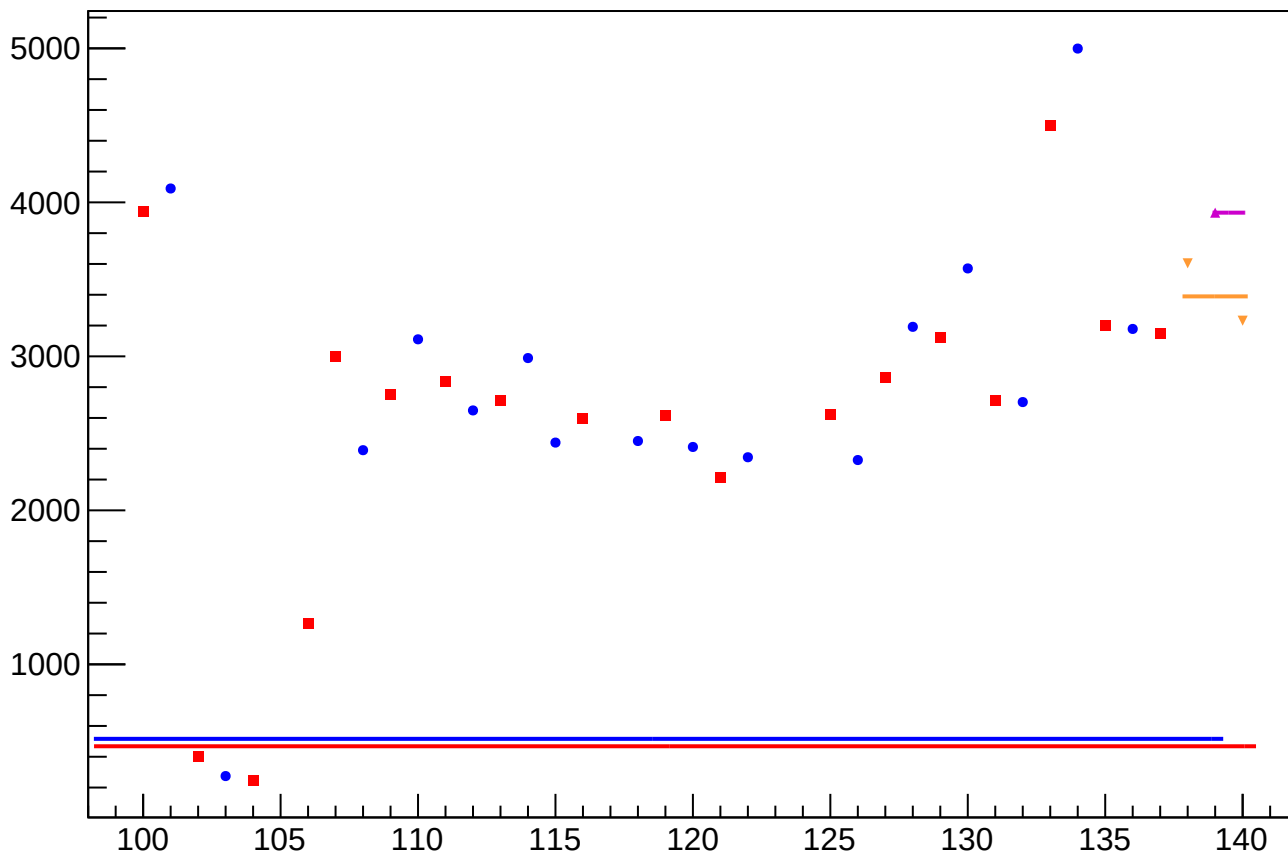
Left In: -457.995 $\pm$ 4282.509 χ^2 /NDF:0.0/0

+ sign -28.356 $\pm$ 341.716 χ^2 /NDF: 16.2/17

All: 69.193 $\pm$ 232.202 χ^2 /NDF: 30.4/36

- sign 152.876 $\pm$ 316.499 χ^2 /NDF: 14.0/18

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 516.297+/-0.244 χ^2/NDF : 9834669.6/15

Left Out: 3389.362+/-1.896 χ^2/NDF : 9423.1/1

Right Out: 468.060+/-0.224 χ^2/NDF : 9111222.0/17

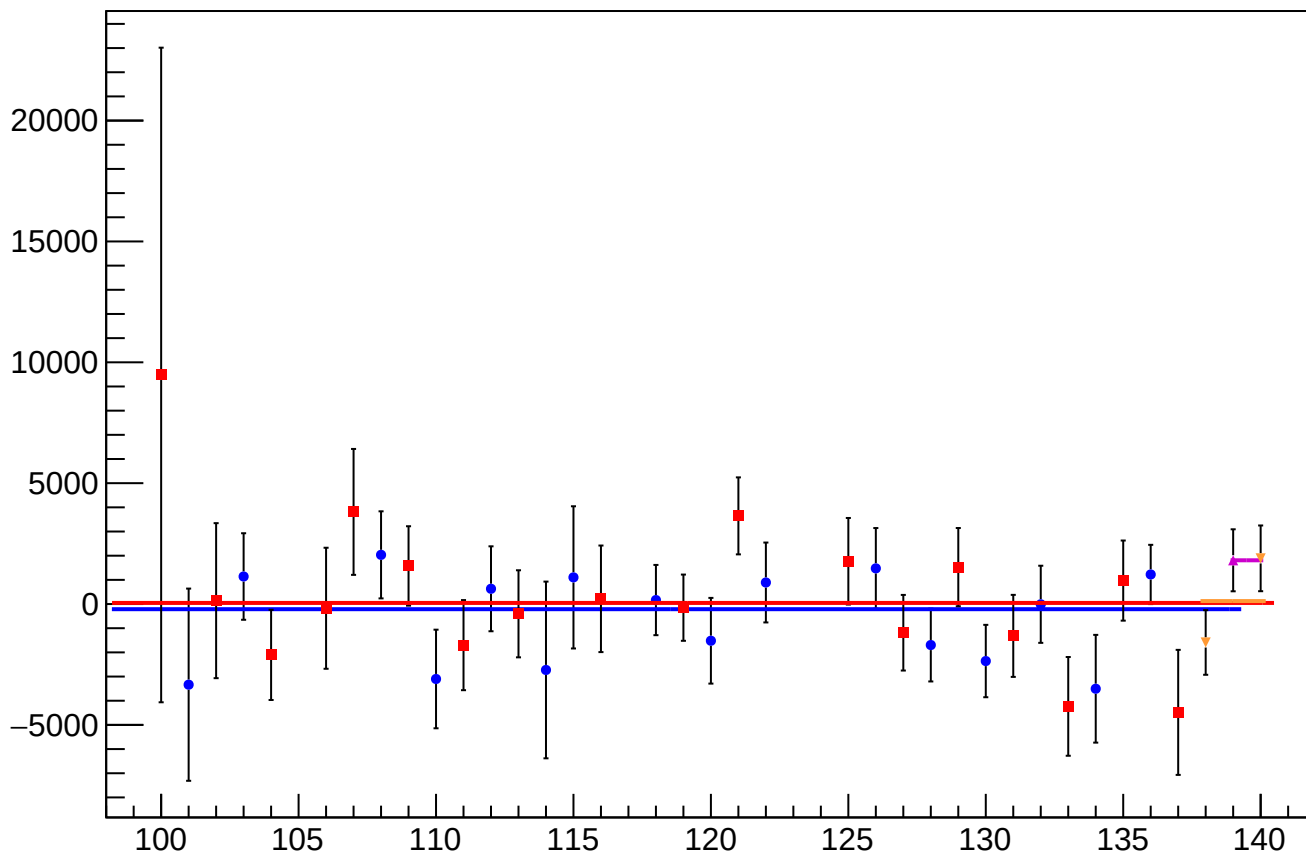
Left In: 3933.063+/-3.028 χ^2/NDF : 0.0/0

+ sign 562.960+/-0.242 χ^2/NDF : 12103056.7/17

All: 522.066+/-0.164 χ^2/NDF : 22569645.5/30

- sign 486.985+/-0.224 χ^2/NDF : 10413374.8/18

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079 ± 442.684 χ^2/NDF : 14.3/15

Left Out: 121.931 ± 953.462 χ^2/NDF : 3.3/1

Right Out: 45.535 ± 447.221 χ^2/NDF : 21.7/17

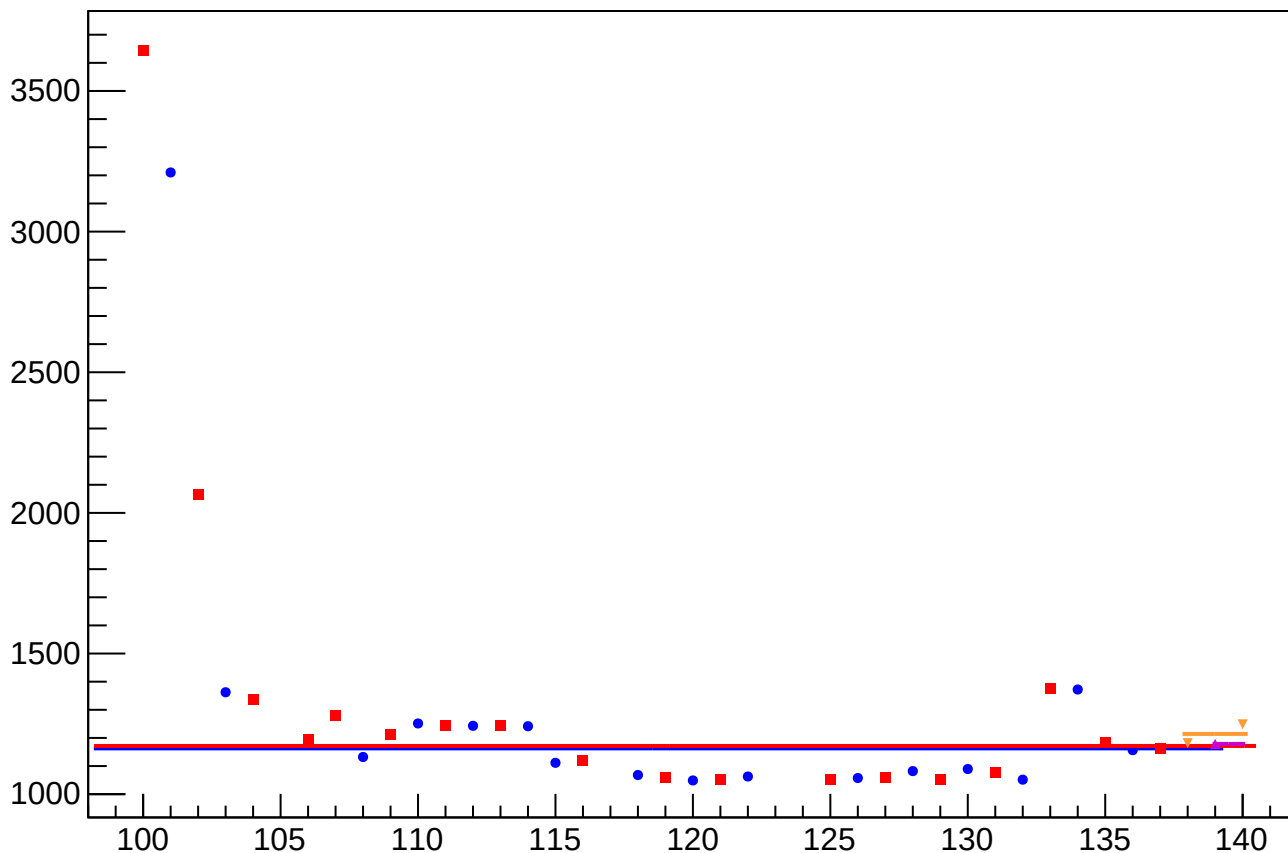
Left In: 1809.521 ± 1282.463 χ^2/NDF : 0.0/0

+ sign -153.669 ± 401.518 χ^2/NDF : 17.8/17

All: 31.724 ± 290.979 χ^2/NDF : 41.6/36

- sign 236.788 ± 422.281 χ^2/NDF : 23.3/18

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF : 635353.4/15

Left Out: 1214.242+/-0.674 χ^2/NDF : 2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF : 331640.8/17

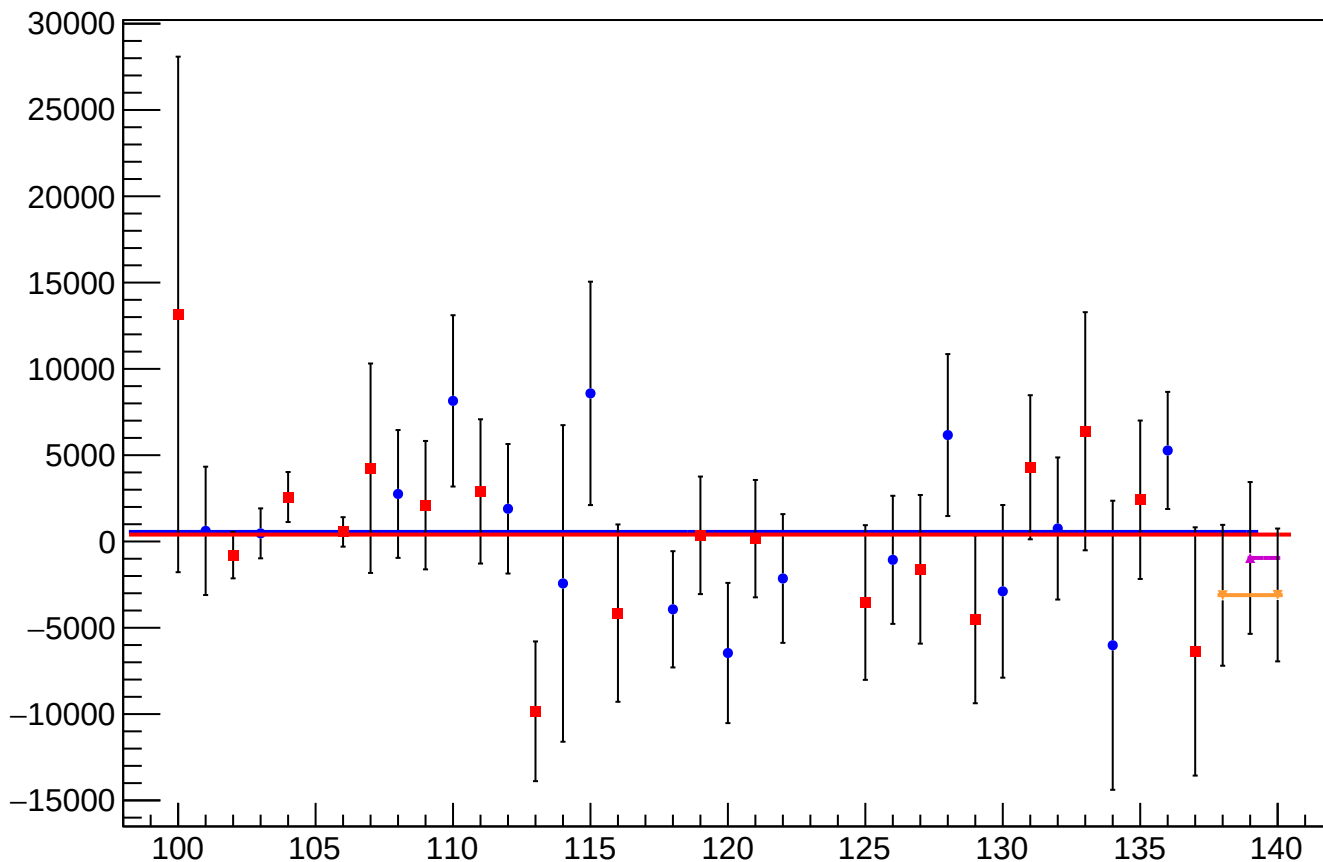
Left In: 1178.665+/-0.907 χ^2/NDF : 0.0/0

+ sign 1171.965+/-0.284 χ^2/NDF : 642596.1/17

All: 1172.079+/-0.206 χ^2/NDF : 974294.2/36

- sign 1172.205+/-0.298 χ^2/NDF : 331697.7/18

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 552.517 $\pm$ 874.128 χ^2 /NDF: 14.4/15

Left Out: -3107.594 $\pm$ 2800.012 χ^2 /NDF:0.0/1

Right Out: 400.432 $\pm$ 565.871 χ^2 /NDF: 16.7/17

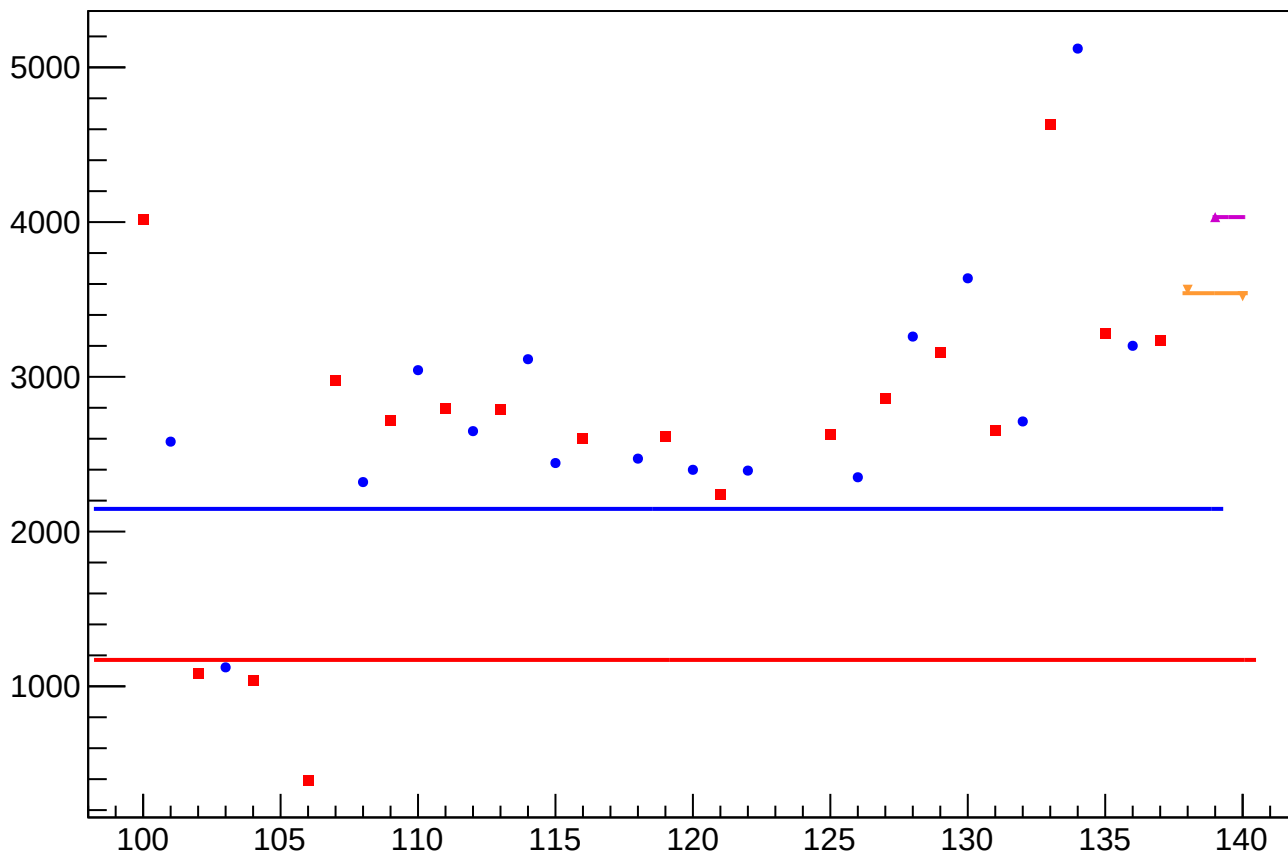
Left In: -954.117 $\pm$ 4397.610 χ^2 /NDF:0.0/0

+ sign 227.478 $\pm$ 834.412 χ^2 /NDF: 16.0/17

All: 331.367 $\pm$ 465.699 χ^2 /NDF: 32.7/36

- sign 378.369 $\pm$ 561.243 χ^2 /NDF: 16.8/18

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2146.616+/-0.618 χ^2/NDF : 1974723.6/15

Left Out: 3540.493+/-1.980 χ^2/NDF : 112.3/1

Right Out: 1170.573+/-0.400 χ^2/NDF : 5817478.8/17

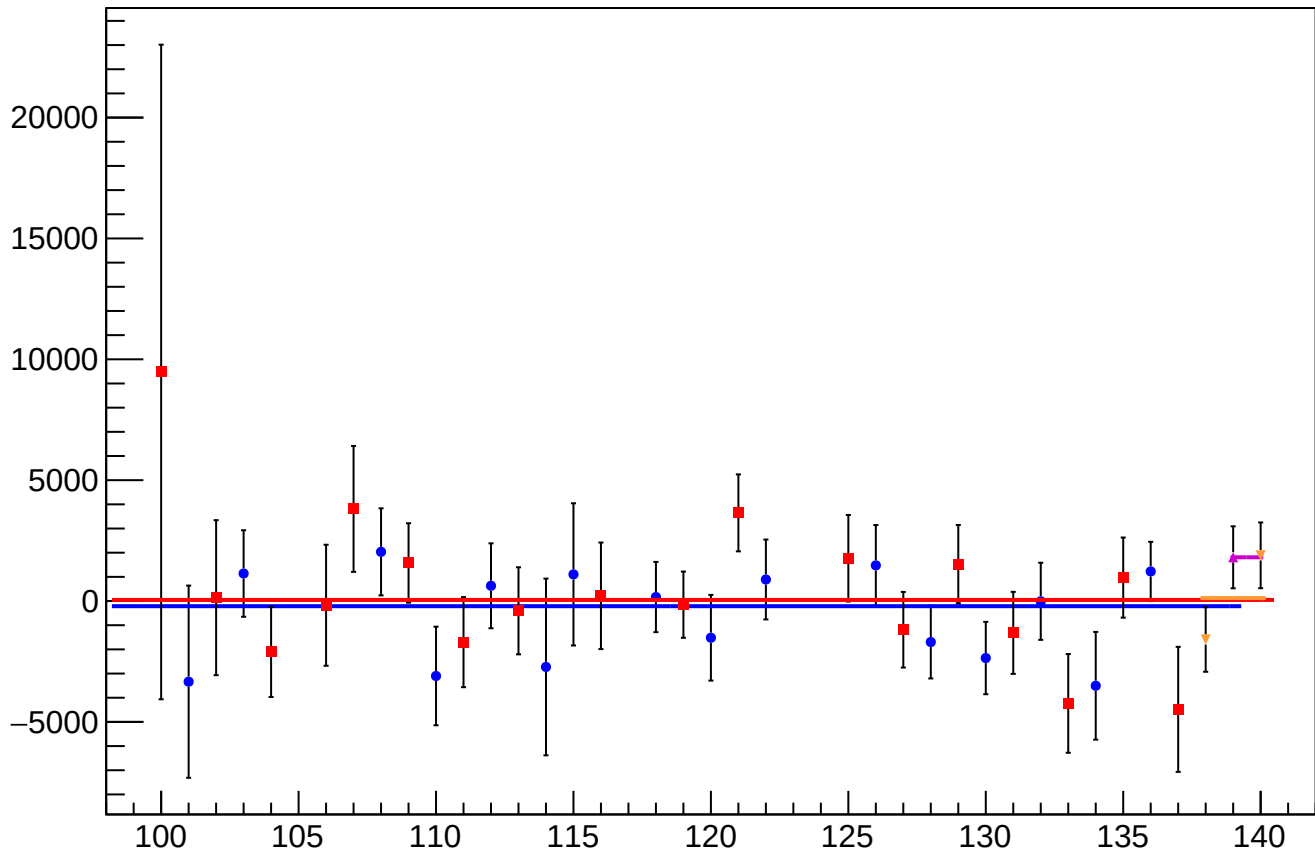
Left In: 4032.380+/-3.110 χ^2/NDF : 0.0/0

+ sign 2270.400+/-0.590 χ^2/NDF : 2426452.6/17

All: 1545.256+/-0.329 χ^2/NDF : 11270988.7/3

- sign 1217.187+/-0.397 χ^2/NDF : 6650670.7/18

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: 121.931 ± 953.462 χ^2/NDF : 3.3/1

Right Out: 45.539 ± 447.221 χ^2/NDF : 21.7/17

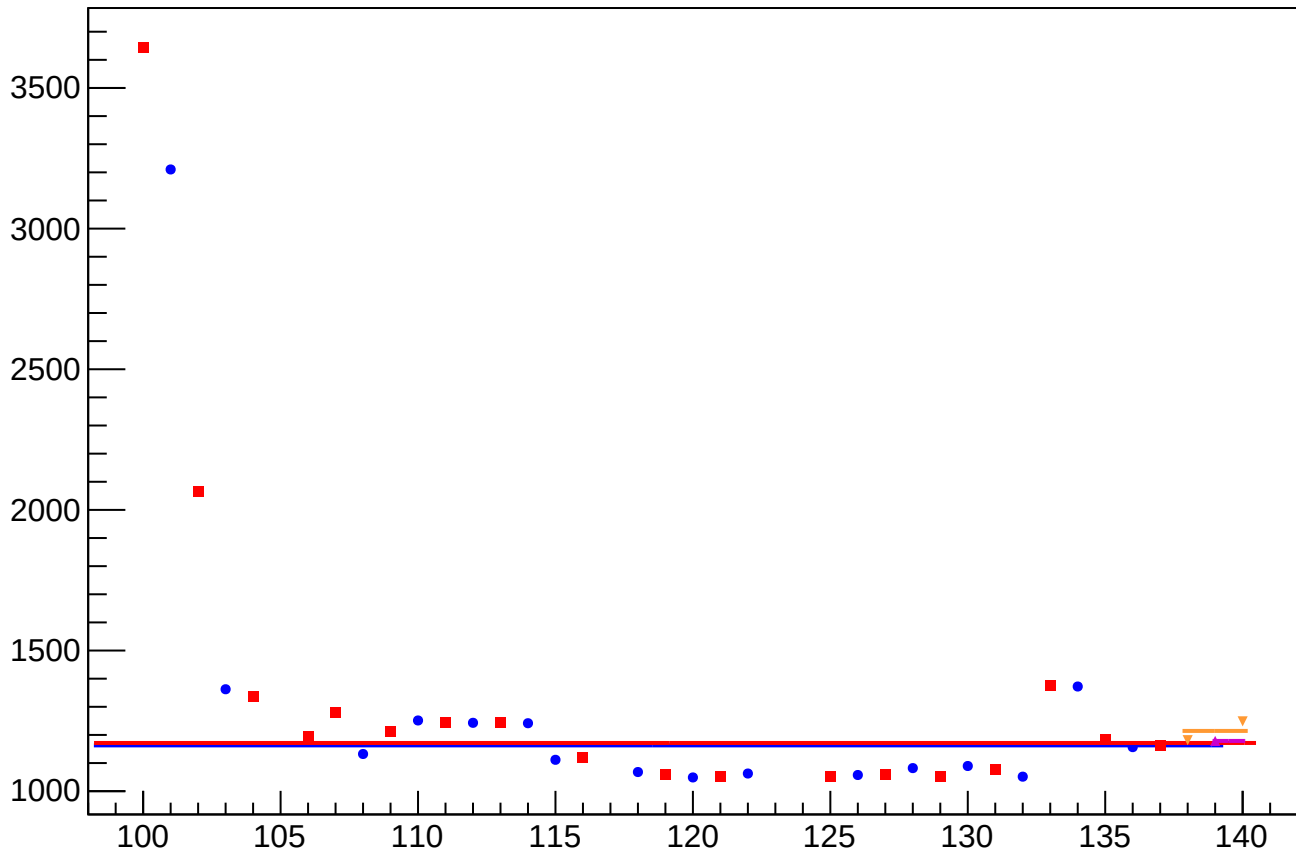
Left In: 1809.501 ± 1282.464 χ^2/NDF : 0.0/0

+ sign -153.671 ± 401.518 χ^2/NDF : 17.8/17

All: 31.724 ± 290.979 χ^2/NDF : 41.6/36

- sign 236.789 ± 422.281 χ^2/NDF : 23.3/18

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: 1214.242+/-0.674 χ^2/NDF : 2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF : 331640.4/17

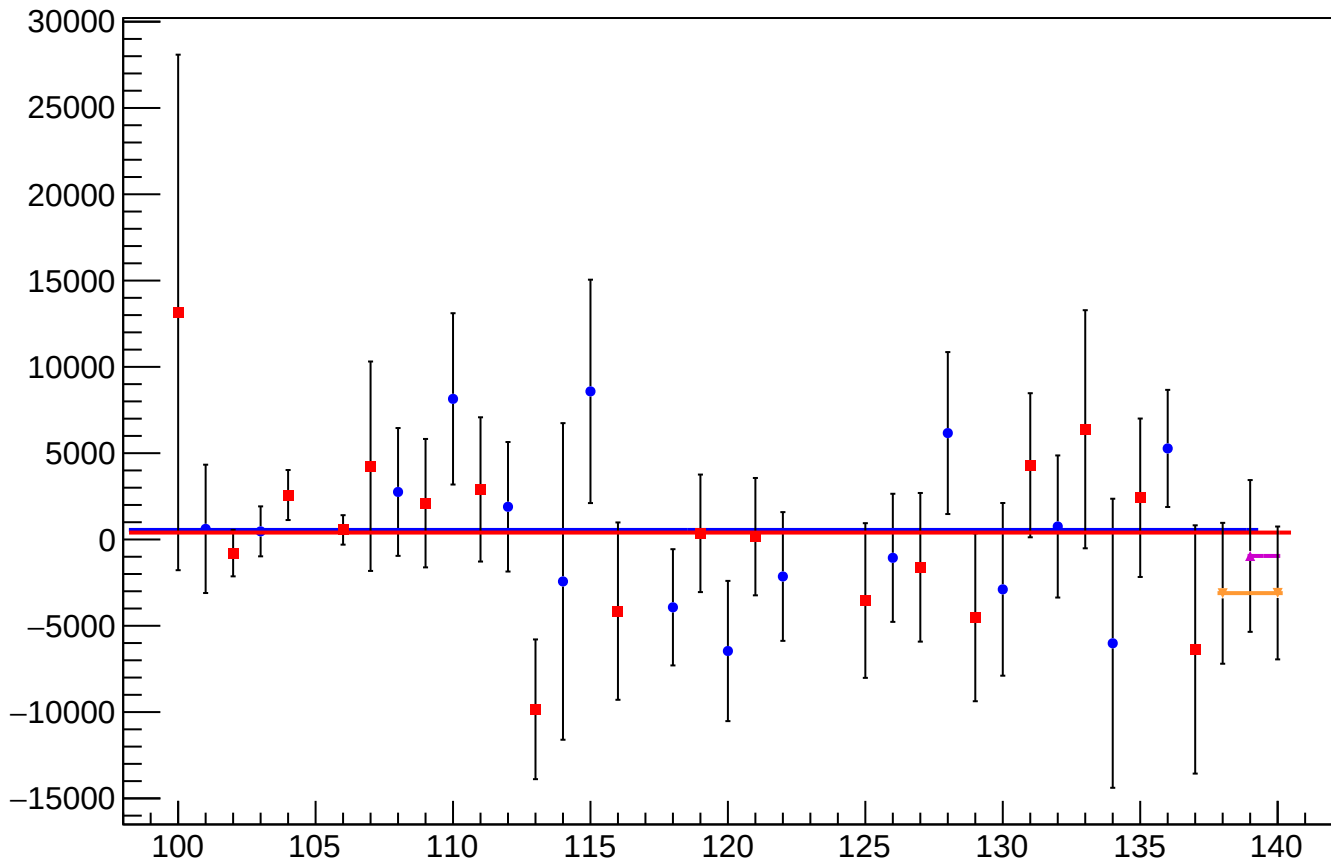
Left In: 1178.666+/-0.907 χ^2/NDF : 0.0/0

+ sign 1171.965+/-0.284 χ^2/NDF : 642596.3/17

All: 1172.079+/-0.206 χ^2/NDF : 974294.0/36

- sign 1172.205+/-0.298 χ^2/NDF : 331697.4/18

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 552.510 $\pm$ 874.126 χ^2 /NDF: 14.4/15

Left Out: -3107.593 $\pm$ 2800.015 χ^2 /NDF:0.0/1

Right Out: 400.433 $\pm$ 565.864 χ^2 /NDF: 16.7/17

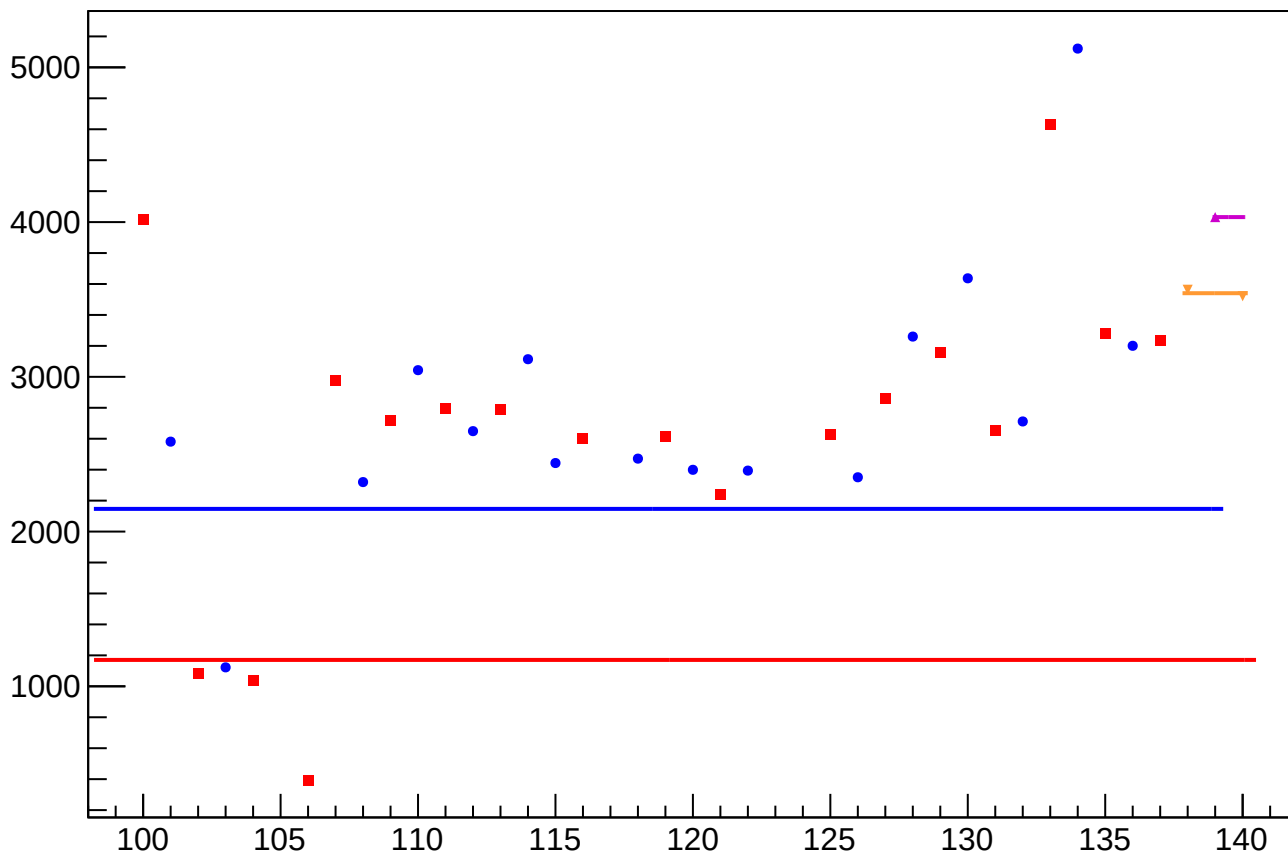
Left In: -954.139 $\pm$ 4397.621 χ^2 /NDF:0.0/0

+ sign 227.474 $\pm$ 834.411 χ^2 /NDF: 16.0/17

All: 331.368 $\pm$ 465.695 χ^2 /NDF: 32.7/36

- sign 378.371 $\pm$ 561.237 χ^2 /NDF: 16.8/18

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2146.613+/-0.618 χ^2/NDF : 1974719.3/15

Left Out: 3540.497+/-1.980 χ^2/NDF :112.3/1

Right Out: 1170.550+/-0.400 χ^2/NDF : 5817605.6/17

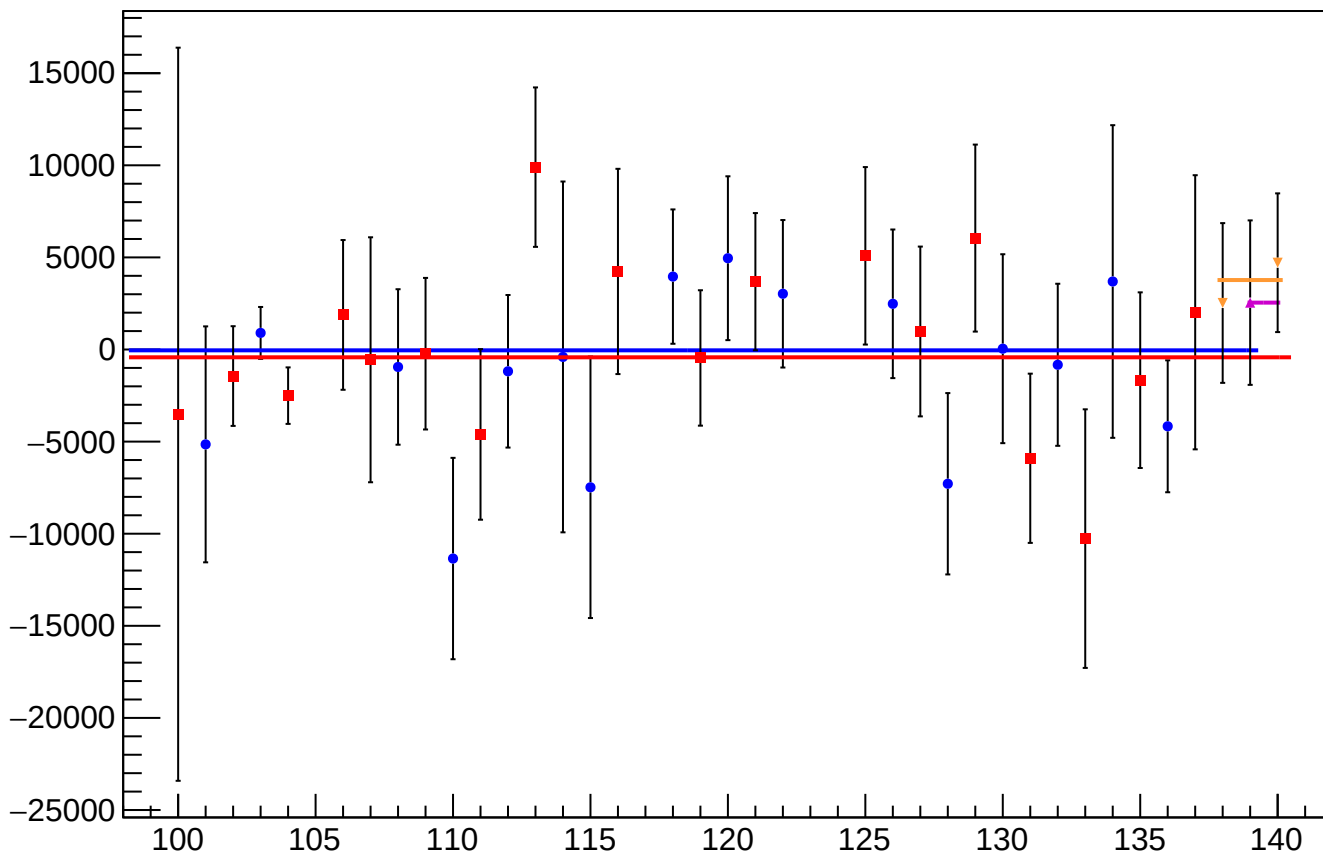
Left In: 4032.390+/-3.110 χ^2/NDF :0.0/0

+ sign 2270.397+/-0.590 χ^2/NDF : 2426452.2/17

All: 1545.234+/-0.329 χ^2/NDF : 11271237.7/3

- sign 1217.163+/-0.397 χ^2/NDF : 6650813.0/18

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874 ± 920.736 χ^2/NDF : 13.7/15

Left Out: 3771.102 ± 2843.007 χ^2/NDF : 0.1/1

Right Out: -423.476 ± 896.736 χ^2/NDF : 17.3/17

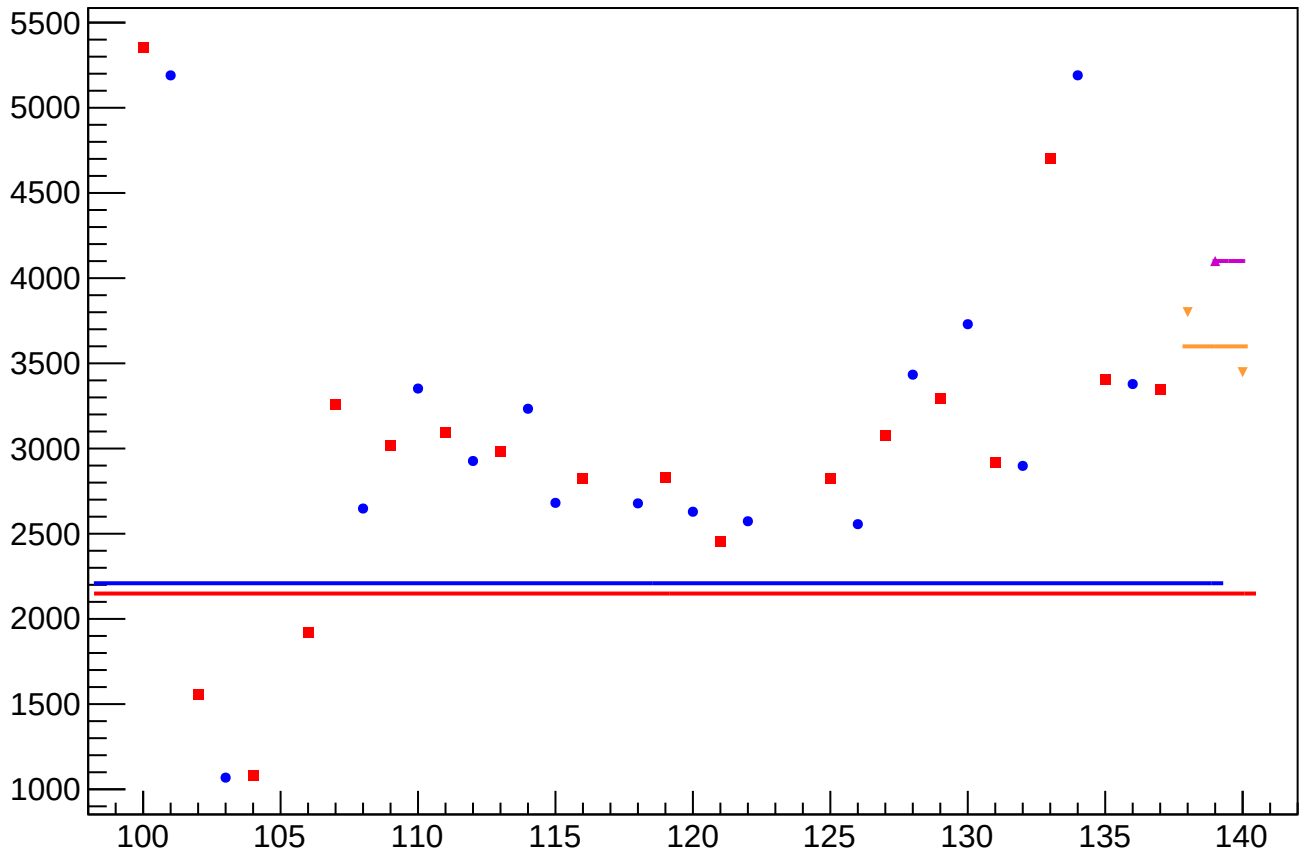
Left In: 2544.858 ± 4464.071 χ^2/NDF : 0.0/0

+ sign 317.371 ± 875.945 χ^2/NDF : 15.5/17

All: 5.665 ± 620.525 χ^2/NDF : 33.5/36

- sign -308.343 ± 879.173 χ^2/NDF : 17.8/18

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2 /NDF: 2836875.7/15

Left Out: 3599.449+/-2.010 χ^2 /NDF: 7536.0/1

Right Out: 2148.948+/-0.633 χ^2 /NDF: 2269660.8/17

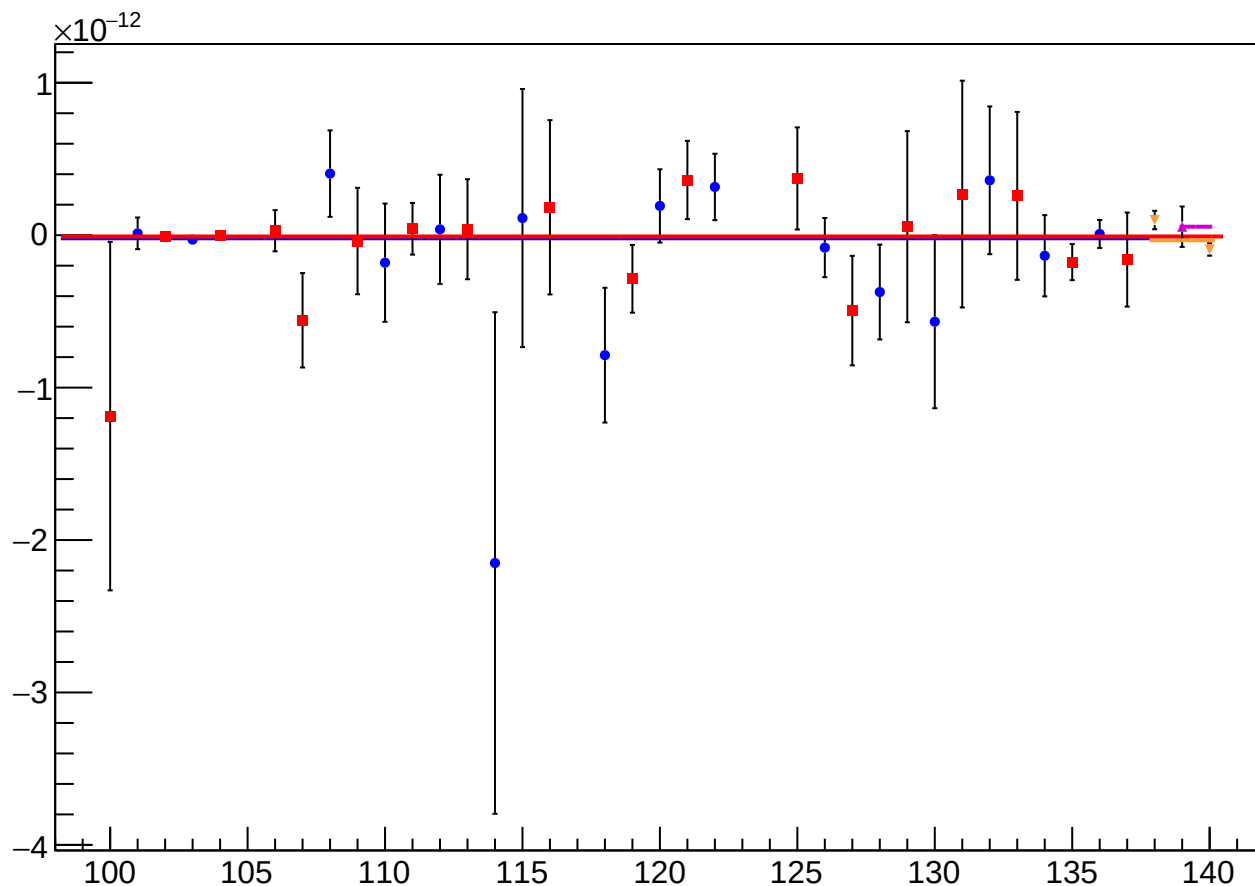
Left In: 4100.554+/-3.157 χ^2 /NDF: 0.0/0

+ sign 2341.309+/-0.619 χ^2 /NDF: 3277173.9/17

All: 2282.884+/-0.438 χ^2 /NDF: 5932150.2/36

- sign 2224.298+/-0.620 χ^2 /NDF: 2637156.3/18

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 7.0/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 14.0/17

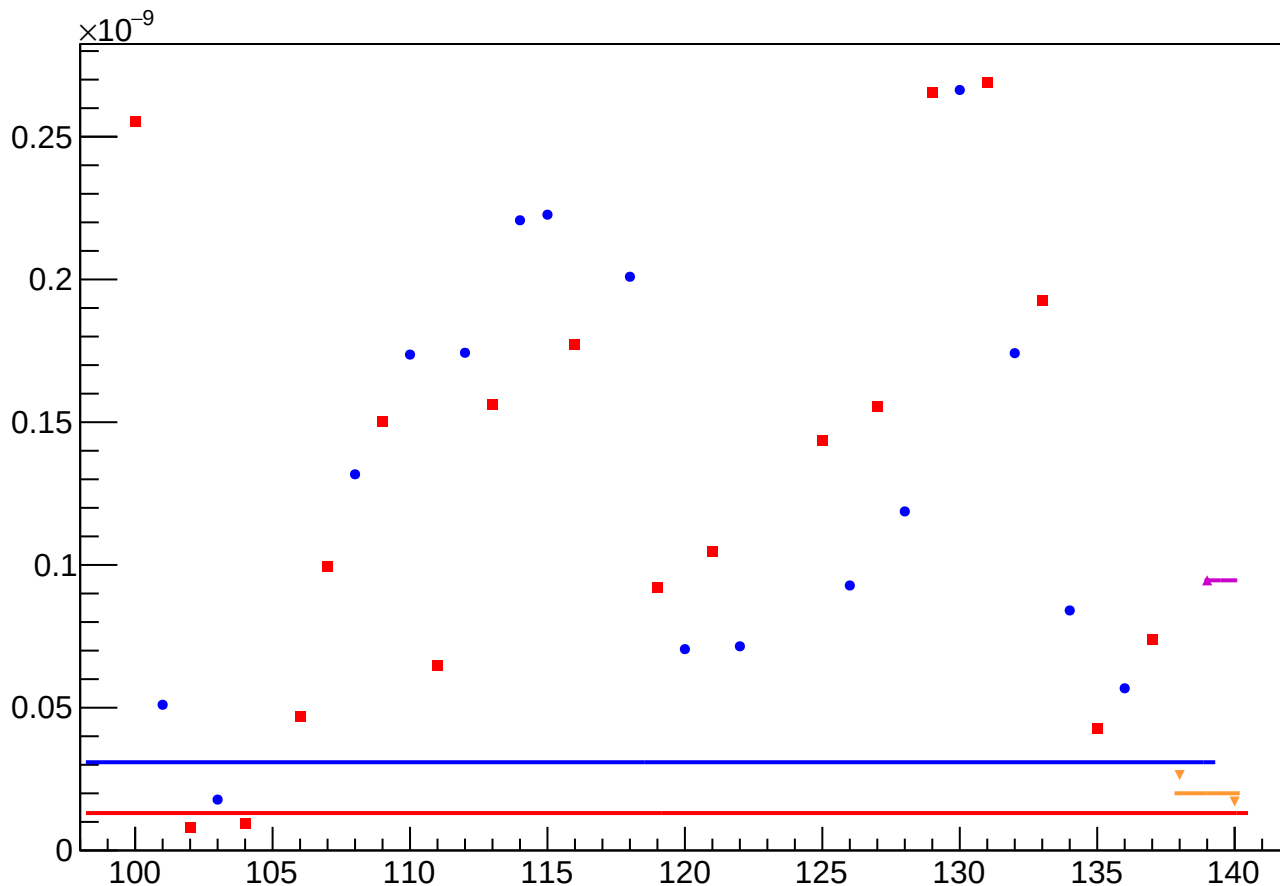
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 20.8/17

All: -0.000+/-0.000 χ^2 /NDF: 35.5/36

- sign -0.000+/-0.000 χ^2 /NDF: 14.2/18

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 32238.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3659260.7/17

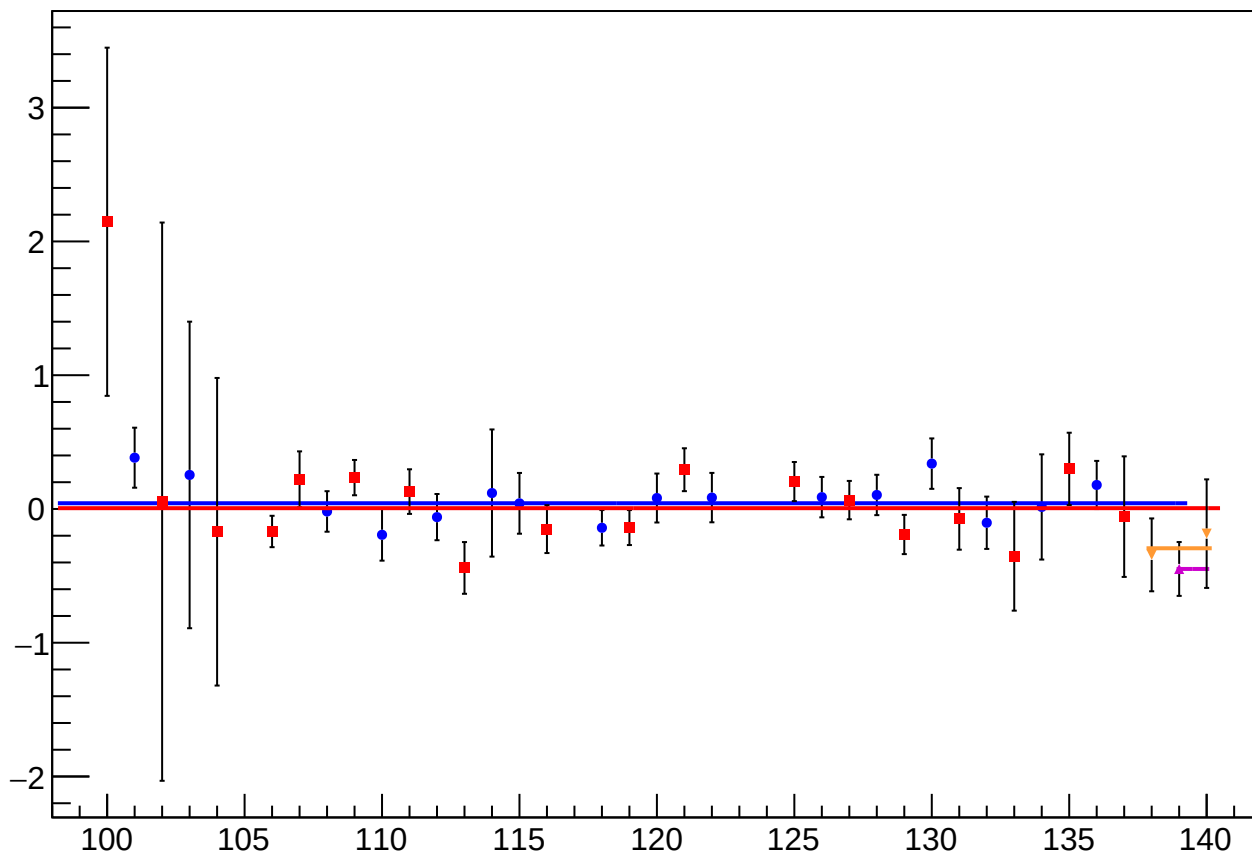
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3162503.7/17

All: 0.000+/-0.000 χ^2/NDF : 8090247.2/36

- sign 0.000+/-0.000 χ^2/NDF : 4406339.2/18

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: -0.294 $\pm$ 0.226 χ^2 /NDF: 0.1/1

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

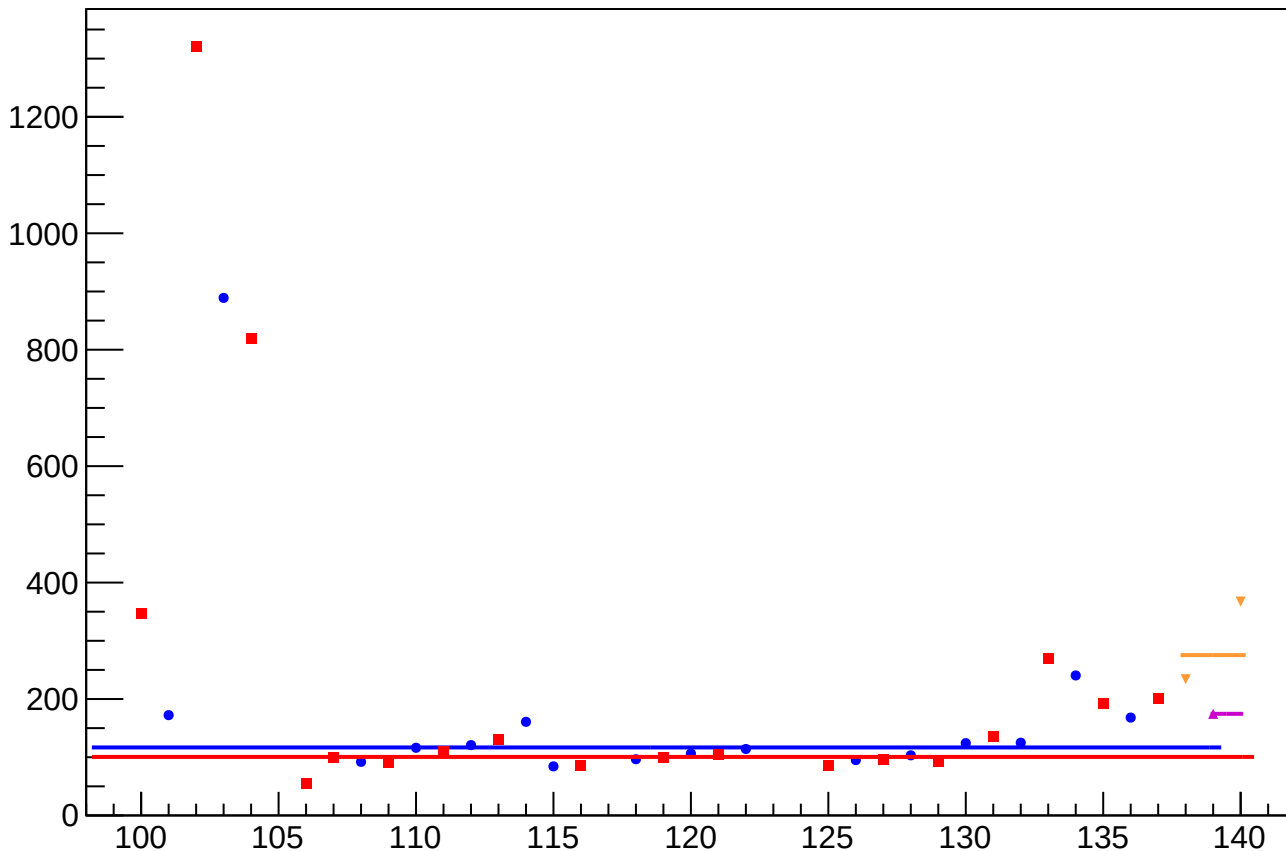
Left In: -0.448 $\pm$ 0.201 χ^2 /NDF: 0.0/0

+ sign 0.029 $\pm$ 0.046 χ^2 /NDF: 12.5/17

All: 0.005 $\pm$ 0.031 χ^2 /NDF: 43.9/36

- sign -0.014 $\pm$ 0.042 χ^2 /NDF: 30.9/18

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620809.7/15

Left Out: 275.400 $\pm$ 0.160 χ^2 /NDF:149064.3/1

Right Out: 100.544 $\pm$ 0.031 χ^2 /NDF: 2664151.6/17

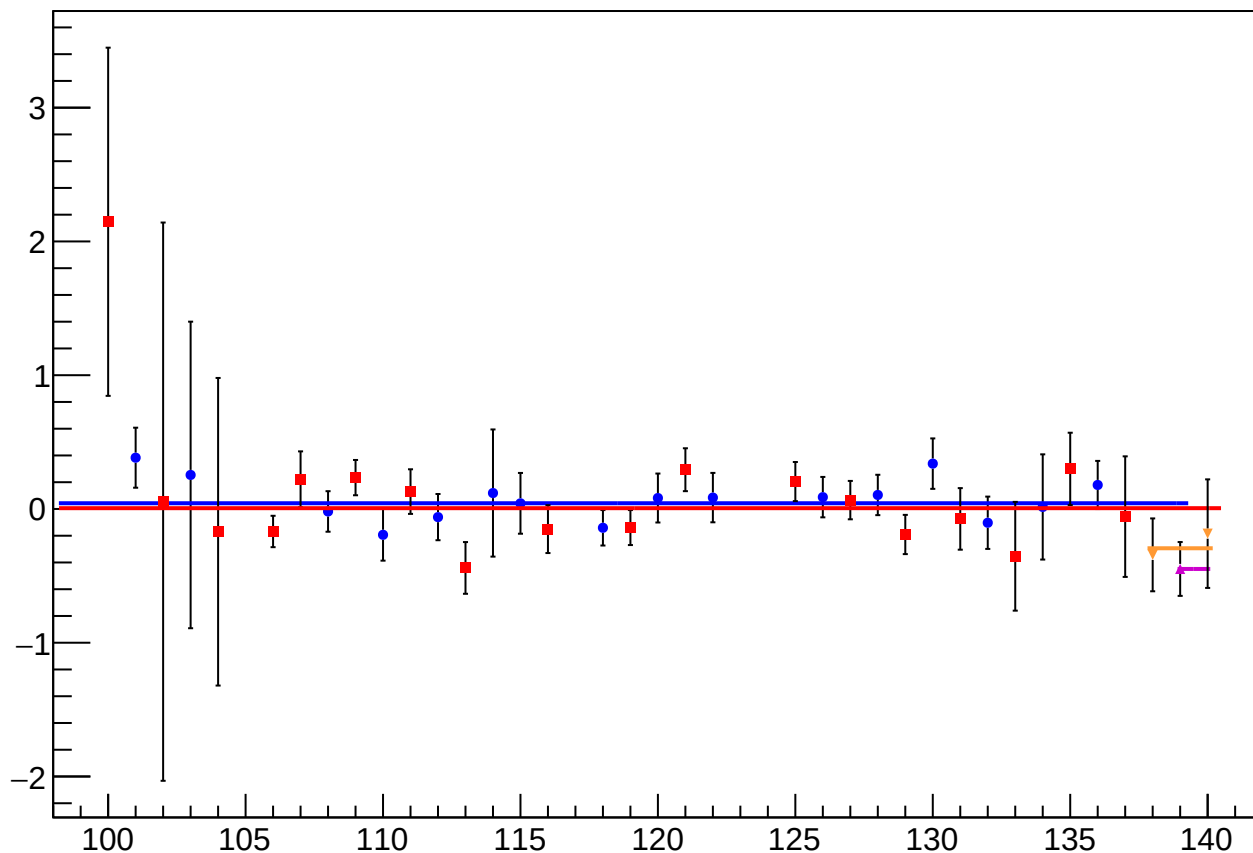
Left In: 174.576 $\pm$ 0.142 χ^2 /NDF:0.0/0

+ sign 123.532 $\pm$ 0.033 χ^2 /NDF: 2711598.8/17

All: 112.785 $\pm$ 0.022 χ^2 /NDF: 5830523.8/36

- sign 103.830 $\pm$ 0.030 χ^2 /NDF: 2922698.6/18

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: -0.294 $\pm$ 0.226 χ^2 /NDF: 0.1/1

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

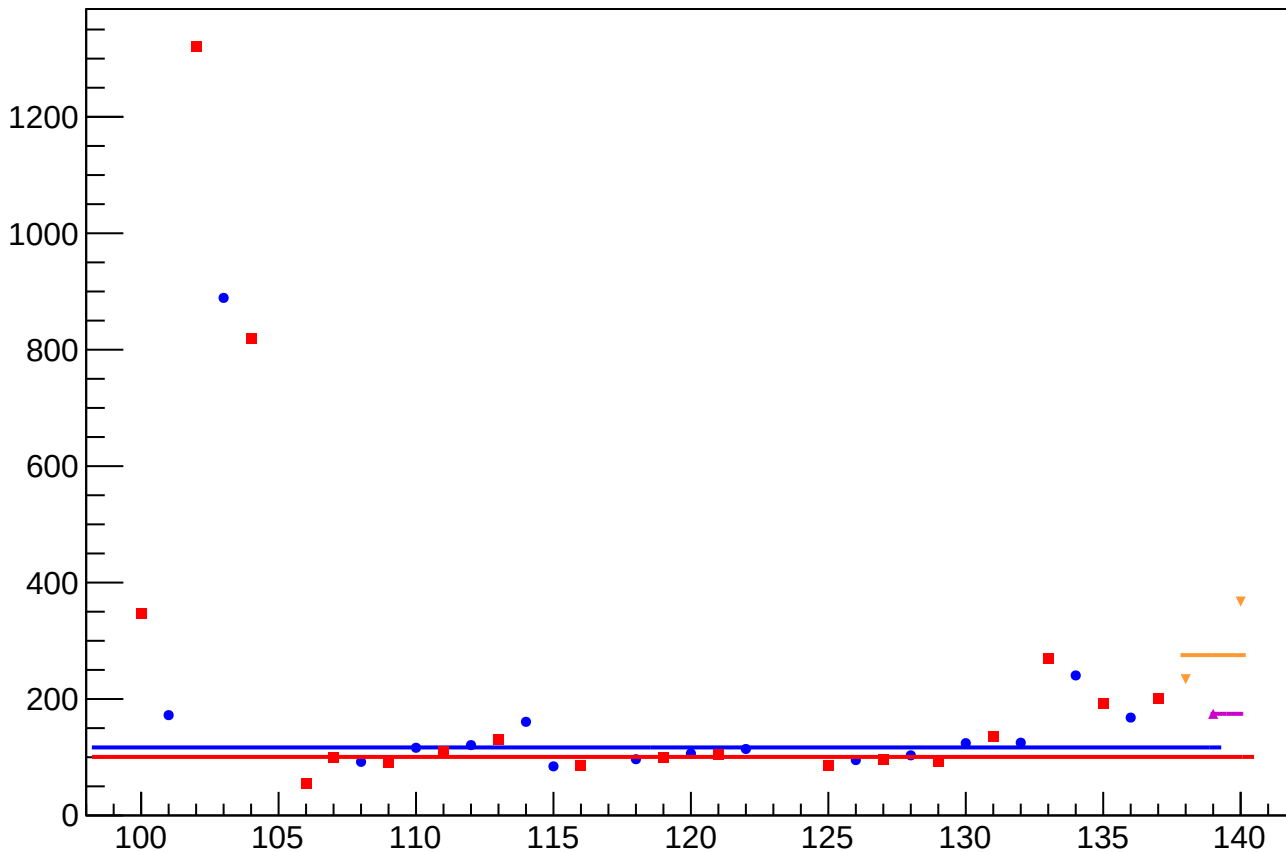
Left In: -0.448 $\pm$ 0.201 χ^2 /NDF: 0.0/0

+ sign 0.029 $\pm$ 0.046 χ^2 /NDF: 12.5/17

All: 0.005 $\pm$ 0.031 χ^2 /NDF: 43.9/36

- sign -0.014 $\pm$ 0.042 χ^2 /NDF: 30.9/18

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2/NDF : 1620809.7/15

Left Out: 275.400 $\pm$ 0.160 χ^2/NDF :149064.3/1

Right Out: 100.544 $\pm$ 0.031 χ^2/NDF : 2664151.6/17

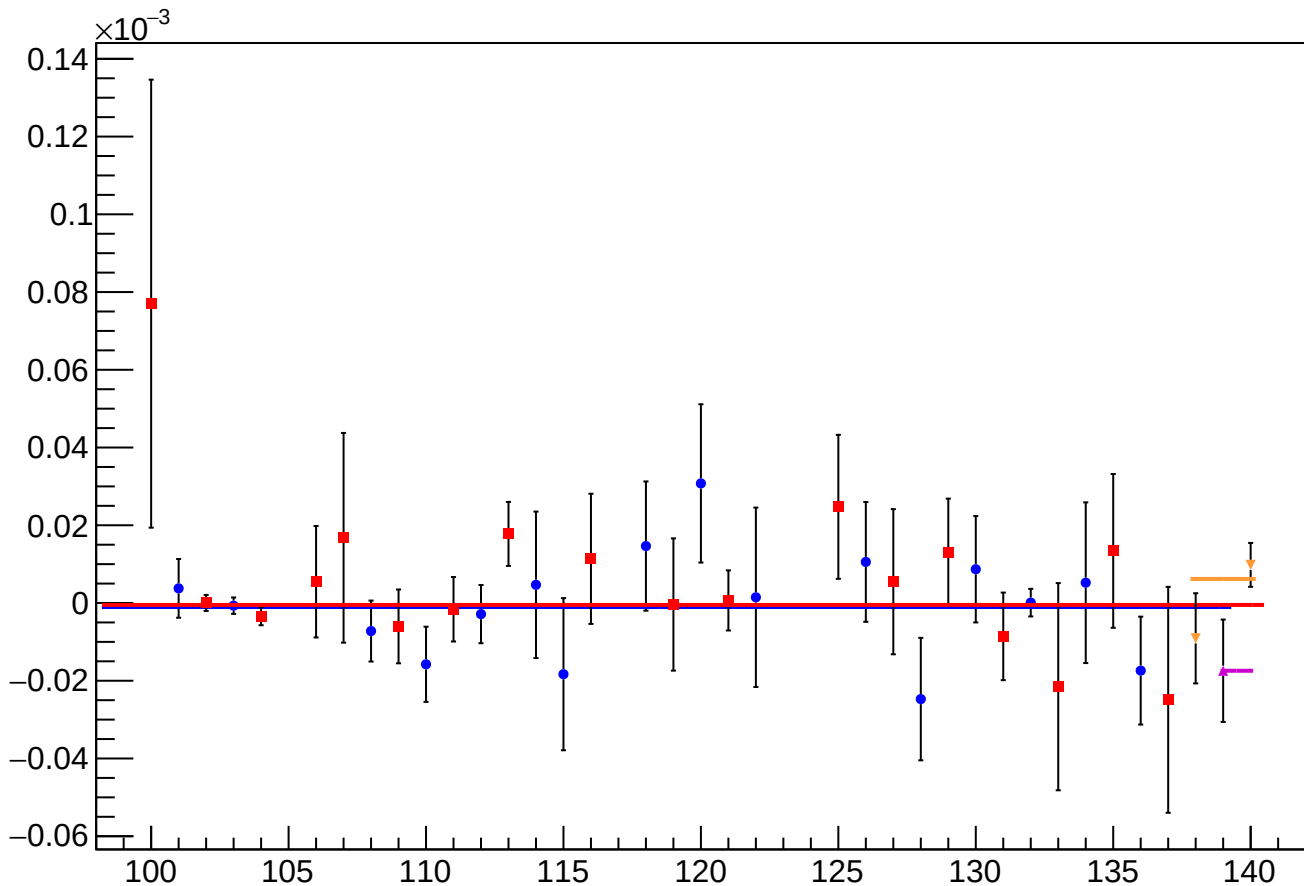
Left In: 174.576 $\pm$ 0.142 χ^2/NDF :0.0/0

+ sign 123.532 $\pm$ 0.033 χ^2/NDF : 2711598.8/17

All: 112.785 $\pm$ 0.022 χ^2/NDF : 5830523.8/36

- sign 103.830 $\pm$ 0.030 χ^2/NDF : 2922698.6/18

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/17

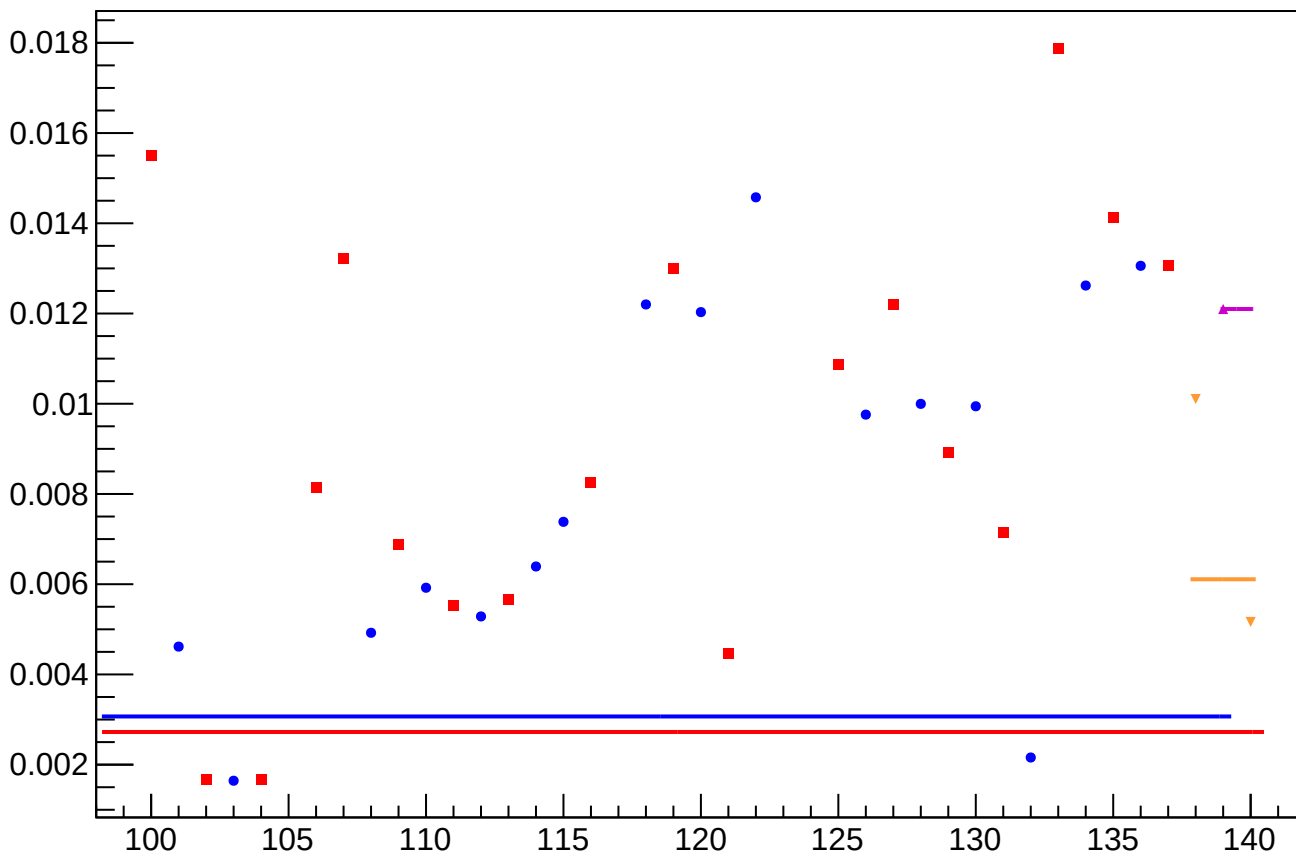
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.3/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/18

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5964299.9/15

Left Out: 0.006+/-0.000 χ^2/NDF : 293320.6/1

Right Out: 0.003+/-0.000 χ^2/NDF : 6713699.1/17

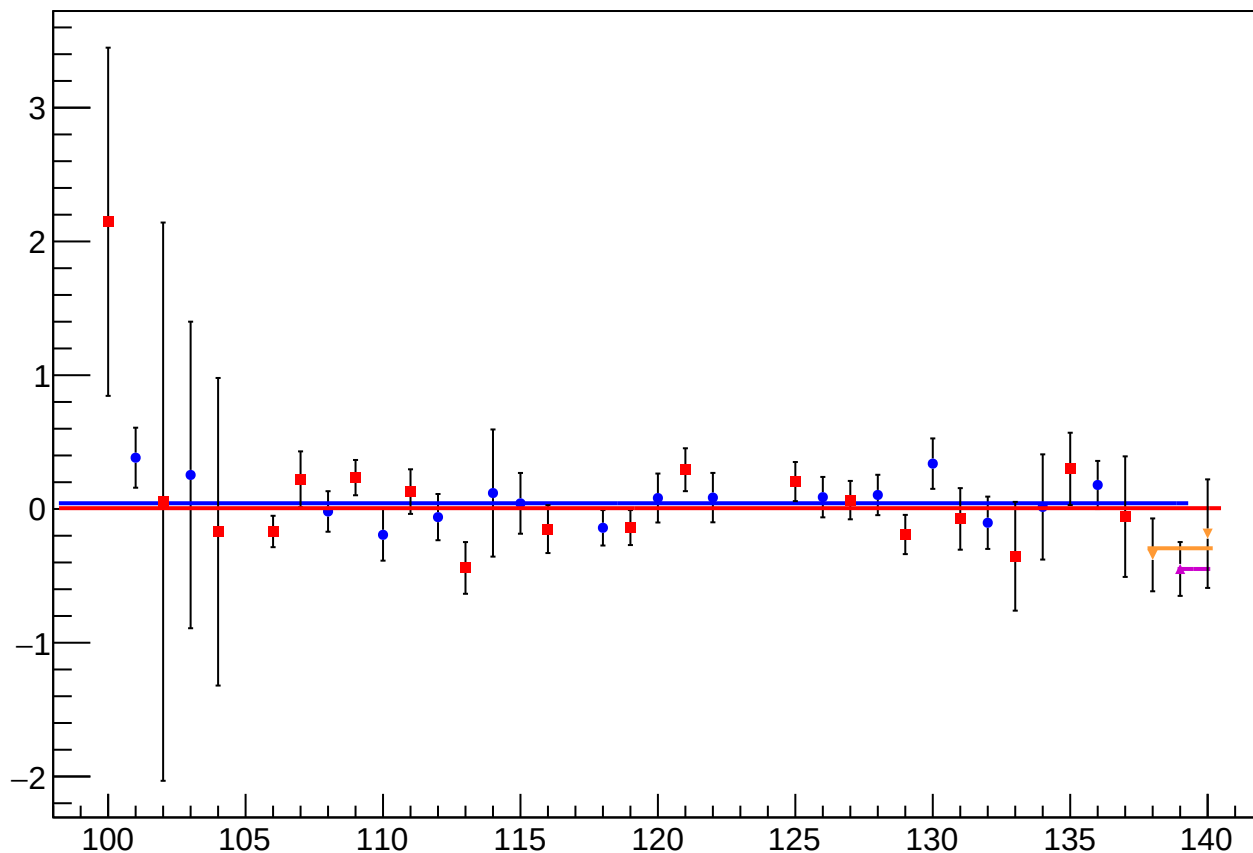
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 6912051.1/17

All: 0.003+/-0.000 χ^2/NDF : 14751706.1/36

- sign 0.003+/-0.000 χ^2/NDF : 7716566.4/18

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: -0.294 $\pm$ 0.226 χ^2 /NDF: 0.1/1

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

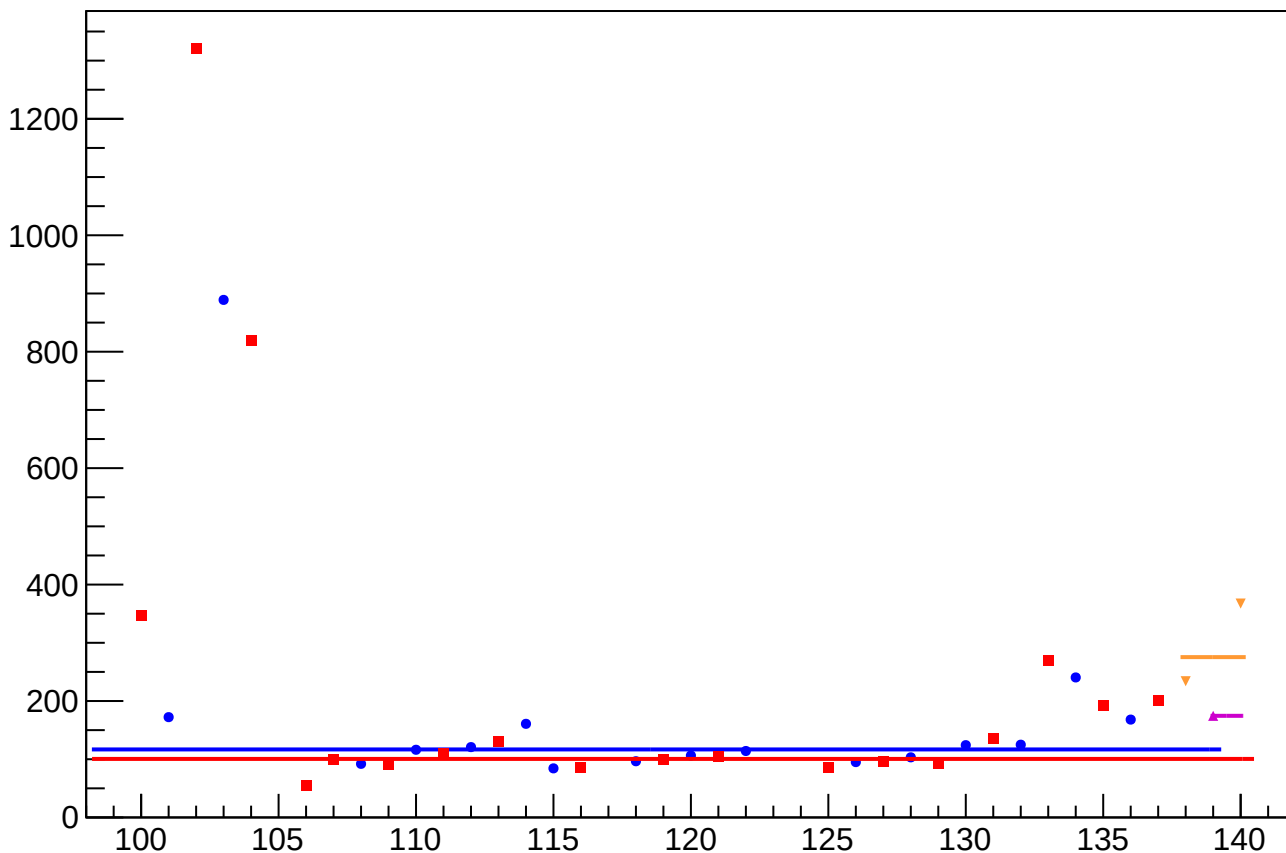
Left In: -0.449 $\pm$ 0.201 χ^2 /NDF: 0.0/0

+ sign 0.029 $\pm$ 0.046 χ^2 /NDF: 12.5/17

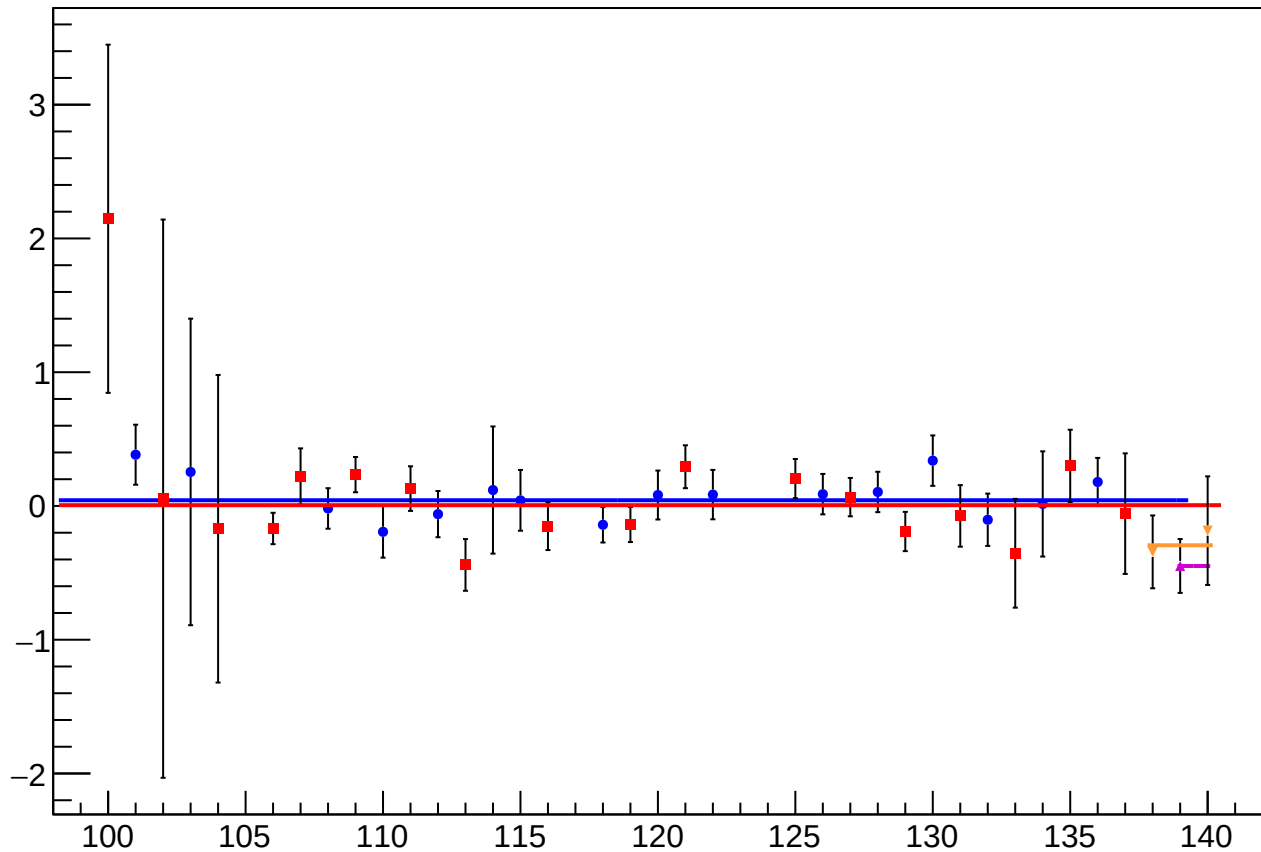
All: 0.005 $\pm$ 0.031 χ^2 /NDF: 43.9/36

- sign -0.014 $\pm$ 0.042 χ^2 /NDF: 30.9/18

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



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: -0.294 ± 0.226 χ^2/NDF : 0.1/1

Right Out: 0.006 ± 0.043 χ^2/NDF : 26.0/17

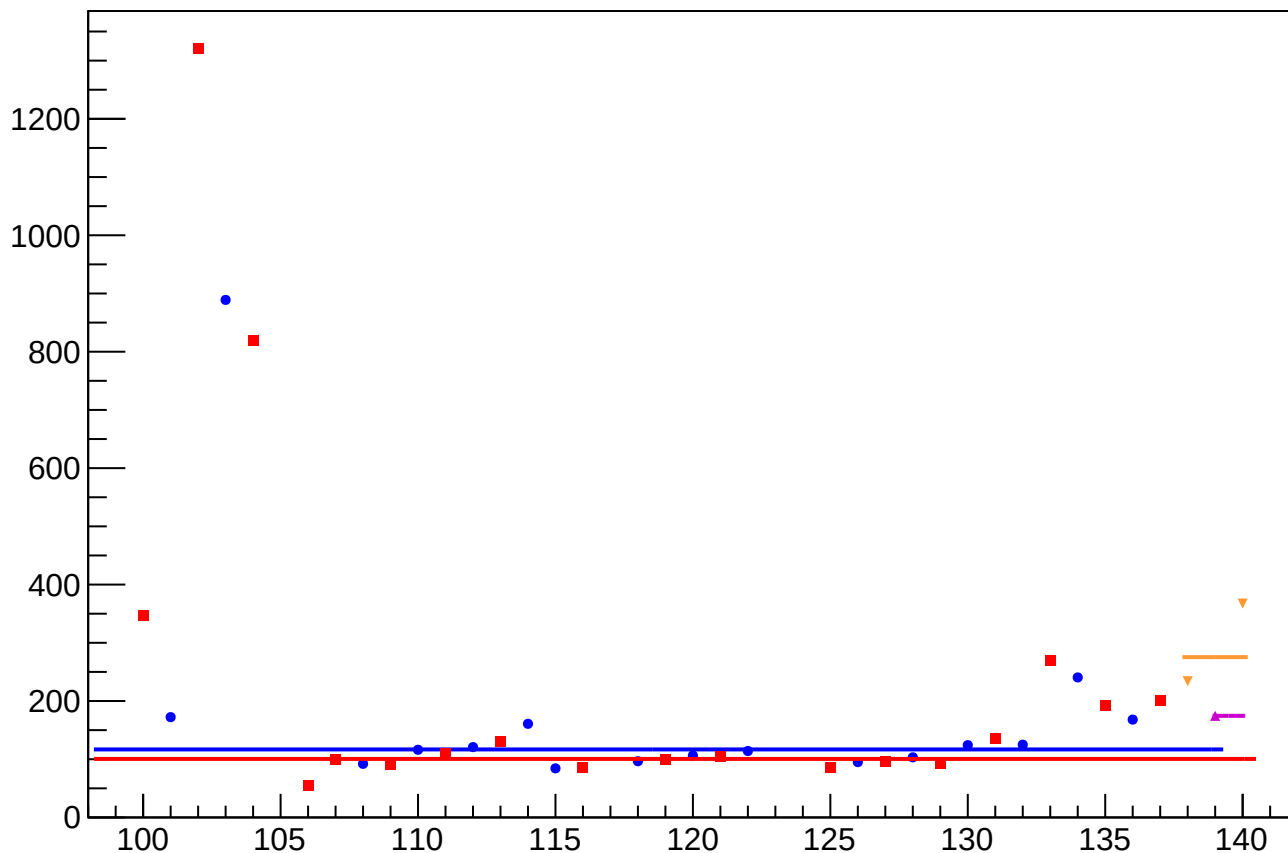
Left In: -0.449 ± 0.201 χ^2/NDF : 0.0/0

+ sign 0.029 ± 0.046 χ^2/NDF : 12.5/17

All: 0.005 ± 0.031 χ^2/NDF : 43.9/36

- sign -0.014 ± 0.042 χ^2/NDF : 30.9/18

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620812.6/15

Left Out: 275.403 $\pm$ 0.160 χ^2 /NDF:149058.6/1

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

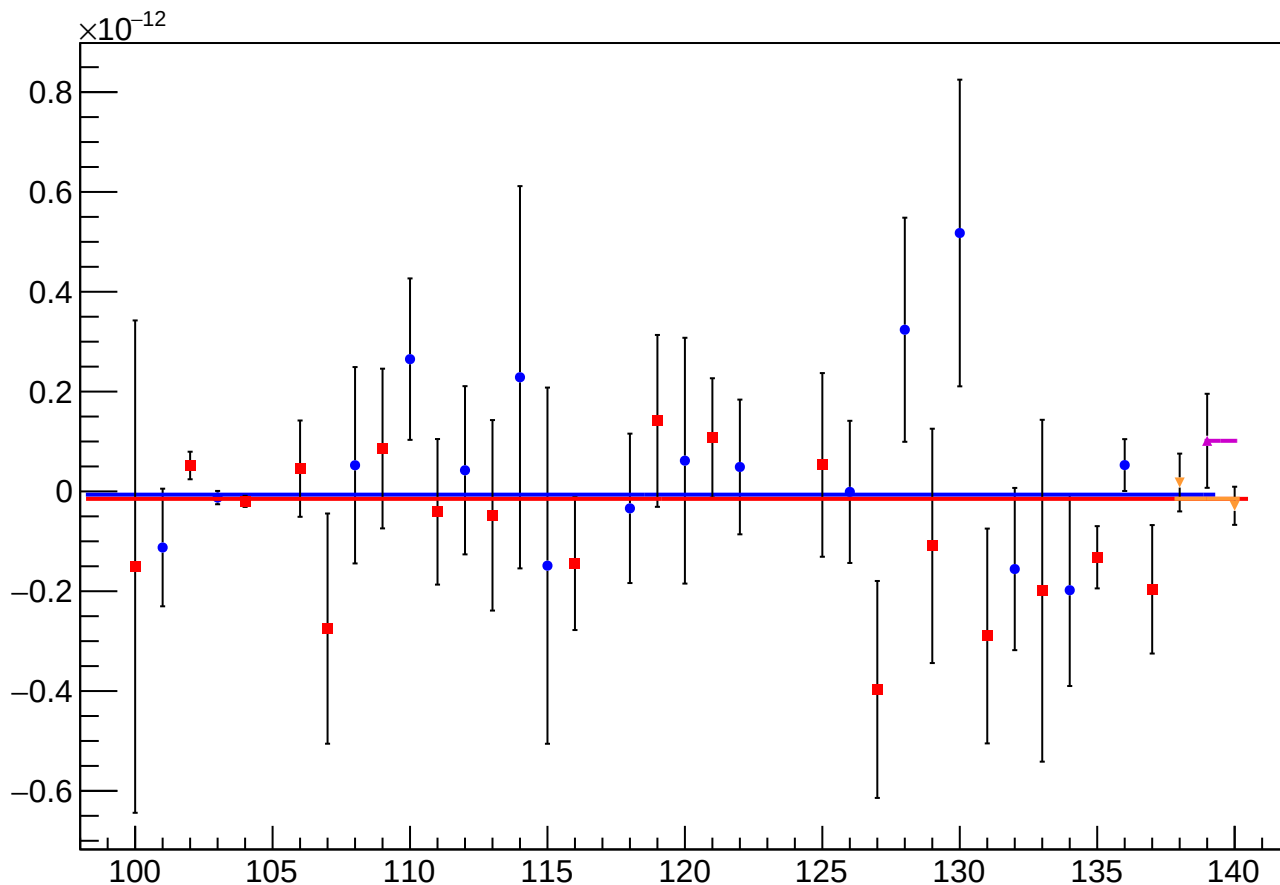
Left In: 174.580 $\pm$ 0.142 χ^2 /NDF:0.0/0

+ sign 123.532 $\pm$ 0.033 χ^2 /NDF: 2711614.8/17

All: 112.785 $\pm$ 0.022 χ^2 /NDF: 5830662.4/36

- sign 103.829 $\pm$ 0.030 χ^2 /NDF: 2922803.5/18

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.9/17

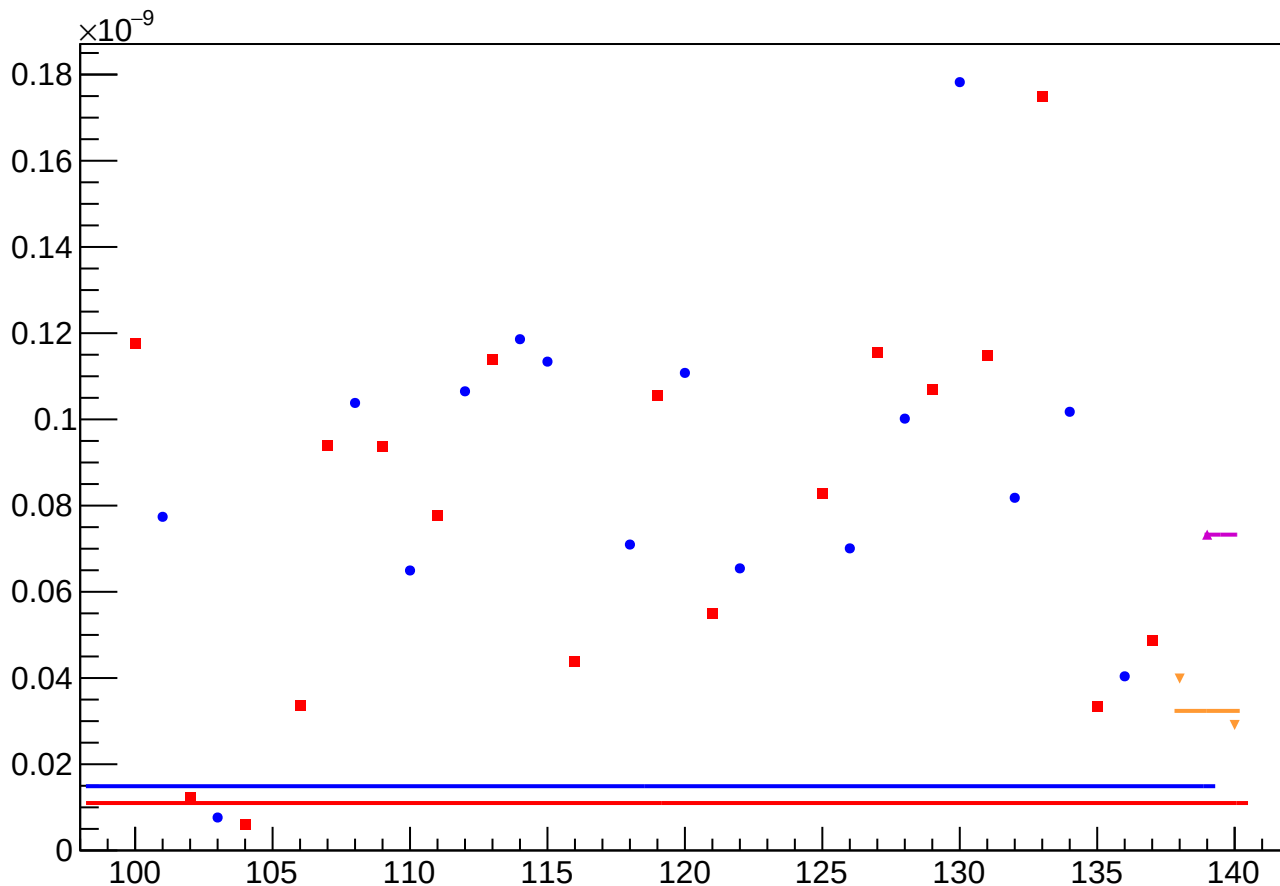
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 13.5/17

All: -0.000 ± 0.000 χ^2/NDF : 37.1/36

- sign -0.000 ± 0.000 χ^2/NDF : 23.4/18

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 48175.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 5866969.2/17

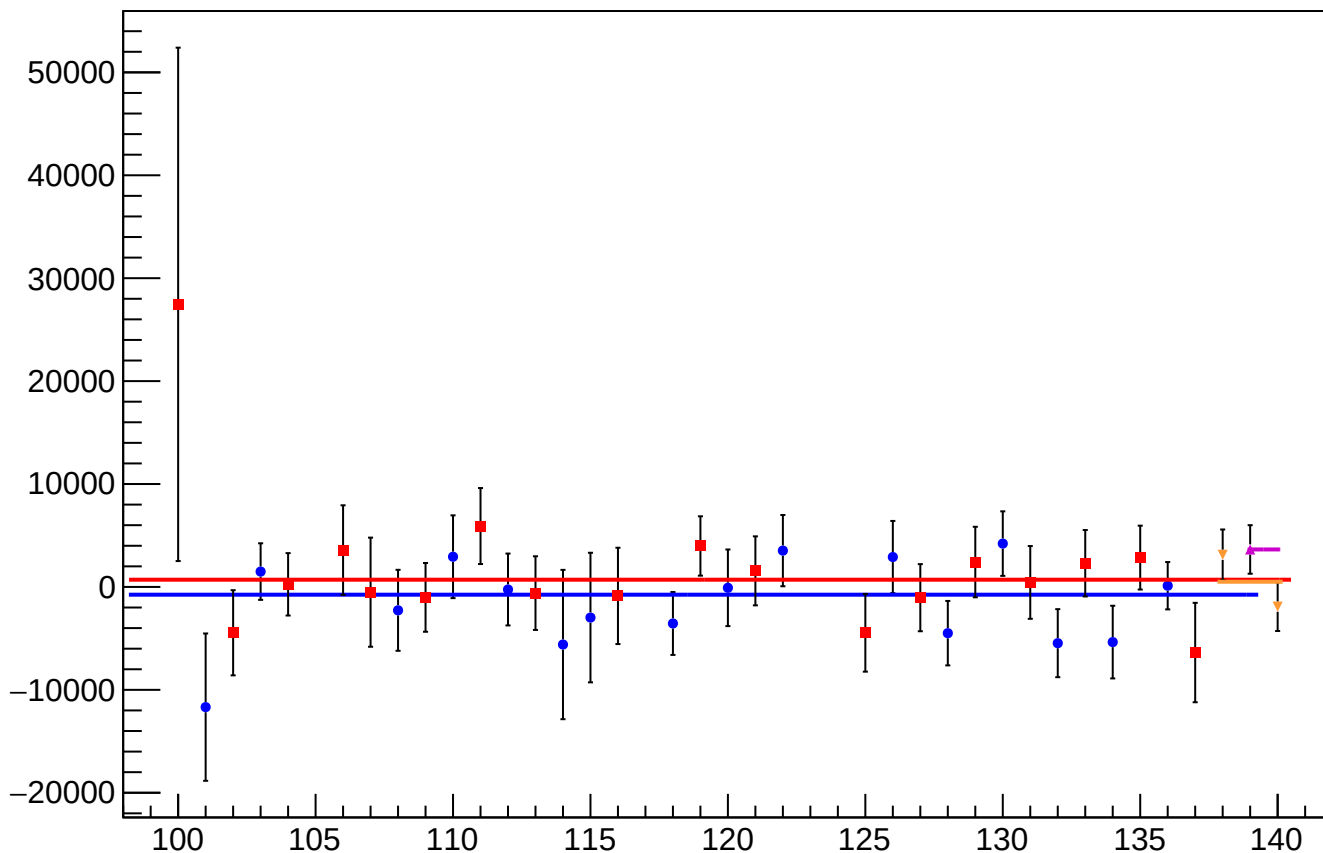
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 6461964.0/17

All: 0.000+/-0.000 χ^2/NDF : 13458530.7/36

- sign 0.000+/-0.000 χ^2/NDF : 6731034.7/18

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291 ± 872.652 χ^2/NDF : 15.9/15

Left Out: 505.533 ± 1704.969 χ^2/NDF : 2.2/1

Right Out: 702.198 ± 868.647 χ^2/NDF : 12.4/17

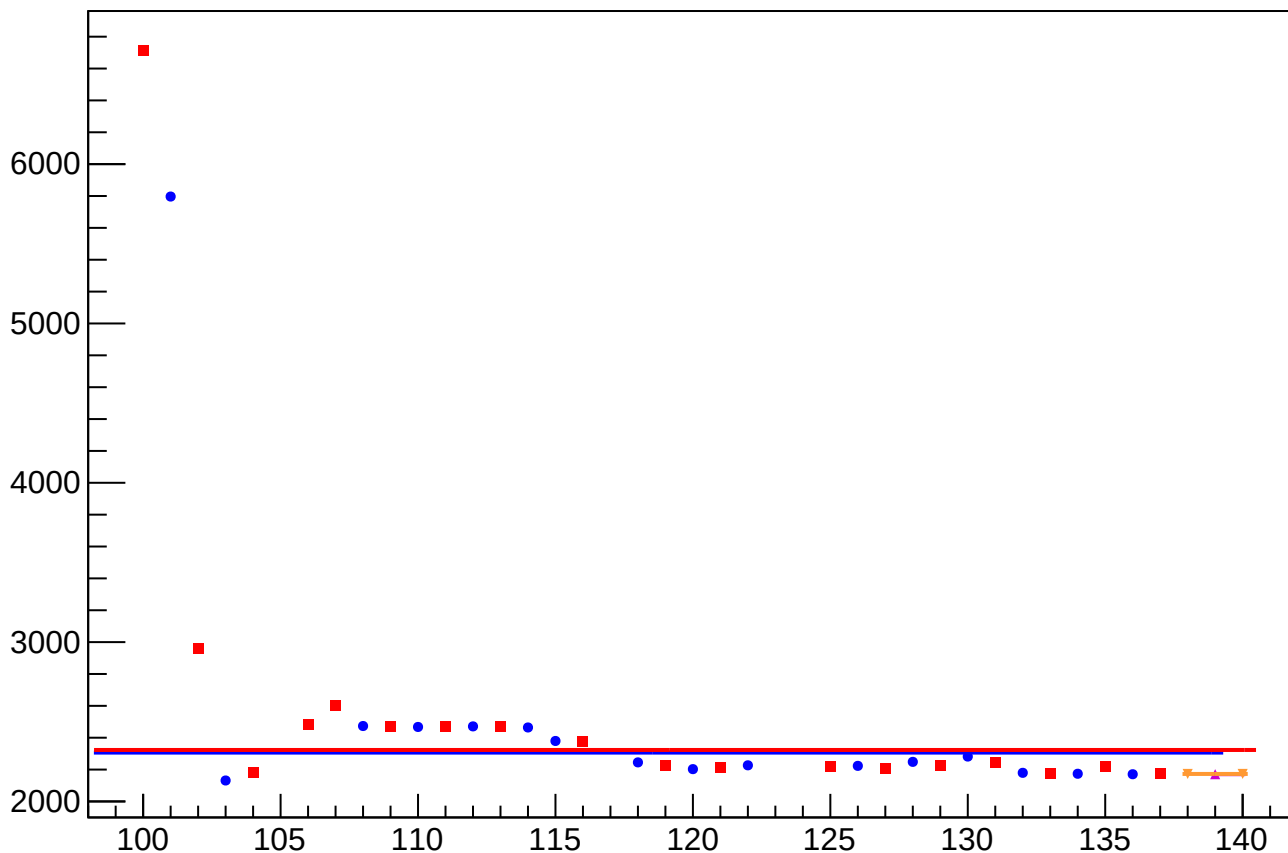
Left In: 3642.221 ± 2359.429 χ^2/NDF : 0.0/0

+ sign -492.768 ± 776.814 χ^2/NDF : 18.5/17

All: 242.967 ± 562.357 χ^2/NDF : 34.1/36

- sign 1053.127 ± 815.158 χ^2/NDF : 13.7/18

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 0.617 χ^2 /NDF: 514150.3/15

Left Out: 2172.587 $\pm$ 1.206 χ^2 /NDF: 0.0/1

Right Out: 2323.010 $\pm$ 0.614 χ^2 /NDF: 151787.1/17

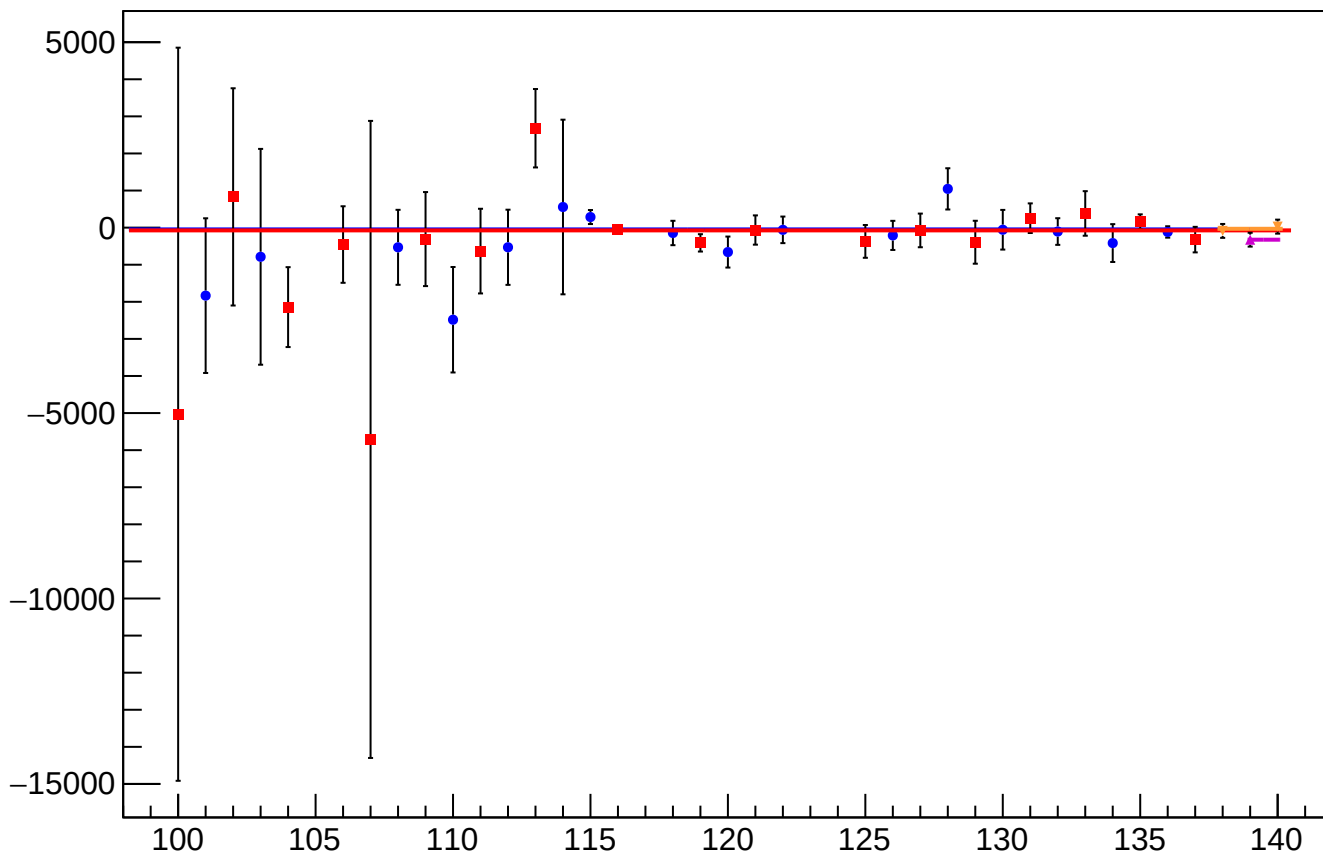
Left In: 2170.960 $\pm$ 1.668 χ^2 /NDF: 0.0/0

+ sign 2278.815 $\pm$ 0.549 χ^2 /NDF: 523947.9/17

All: 2291.211 $\pm$ 0.398 χ^2 /NDF: 684119.7/36

- sign 2304.861 $\pm$ 0.576 χ^2 /NDF: 159101.7/18

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -47.927 ± 90.914 χ^2/NDF : 14.4/15

Left Out: -31.331 ± 133.036 χ^2/NDF : 0.2/1

Right Out: -74.200 ± 82.384 χ^2/NDF : 17.6/17

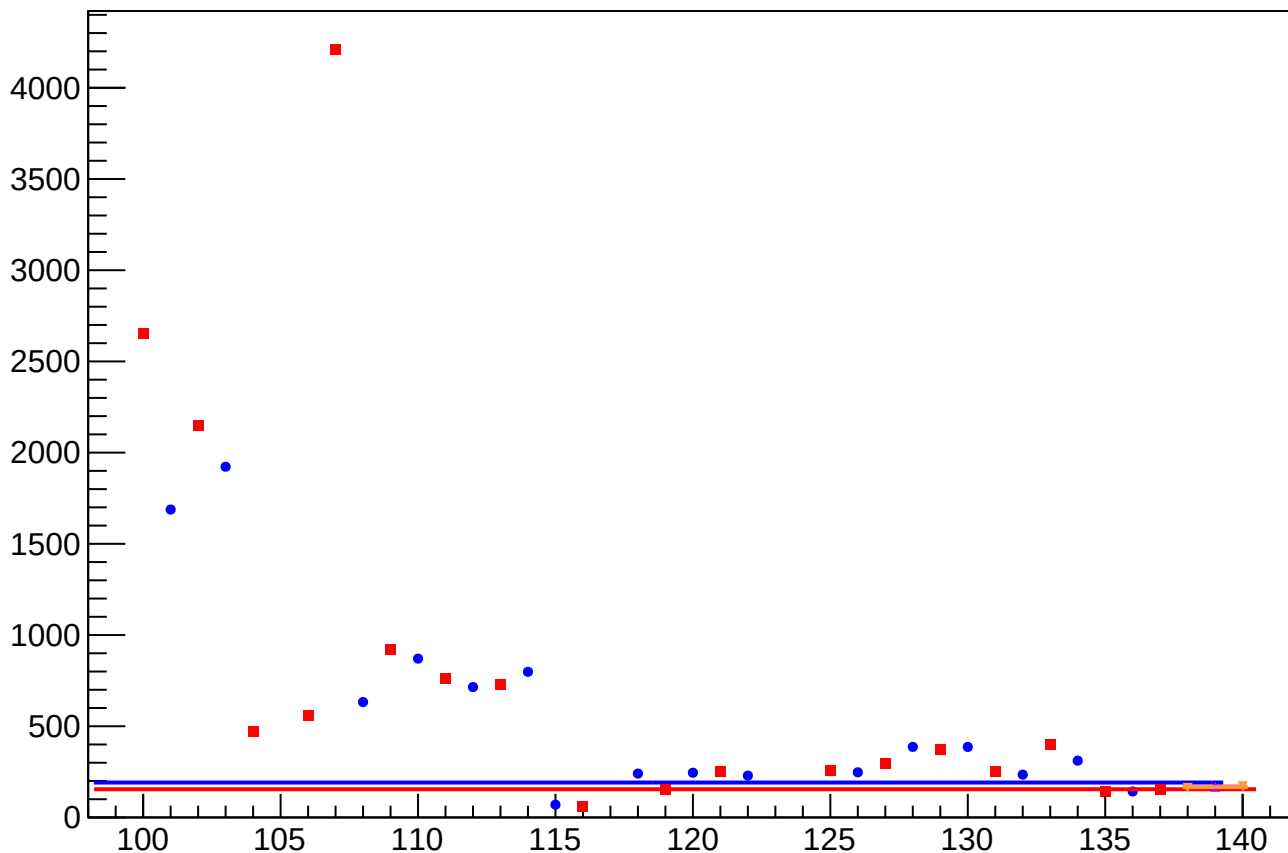
Left In: -325.336 ± 186.628 χ^2/NDF : 0.0/0

+ sign -42.644 ± 75.061 χ^2/NDF : 14.6/17

All: -78.753 ± 53.184 χ^2/NDF : 34.2/36

- sign -115.156 ± 75.367 χ^2/NDF : 19.2/18

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: 166.452+/-0.094 χ^2/NDF : 2300.3/1

Right Out: 154.677+/-0.058 χ^2/NDF : 6154285.9/17

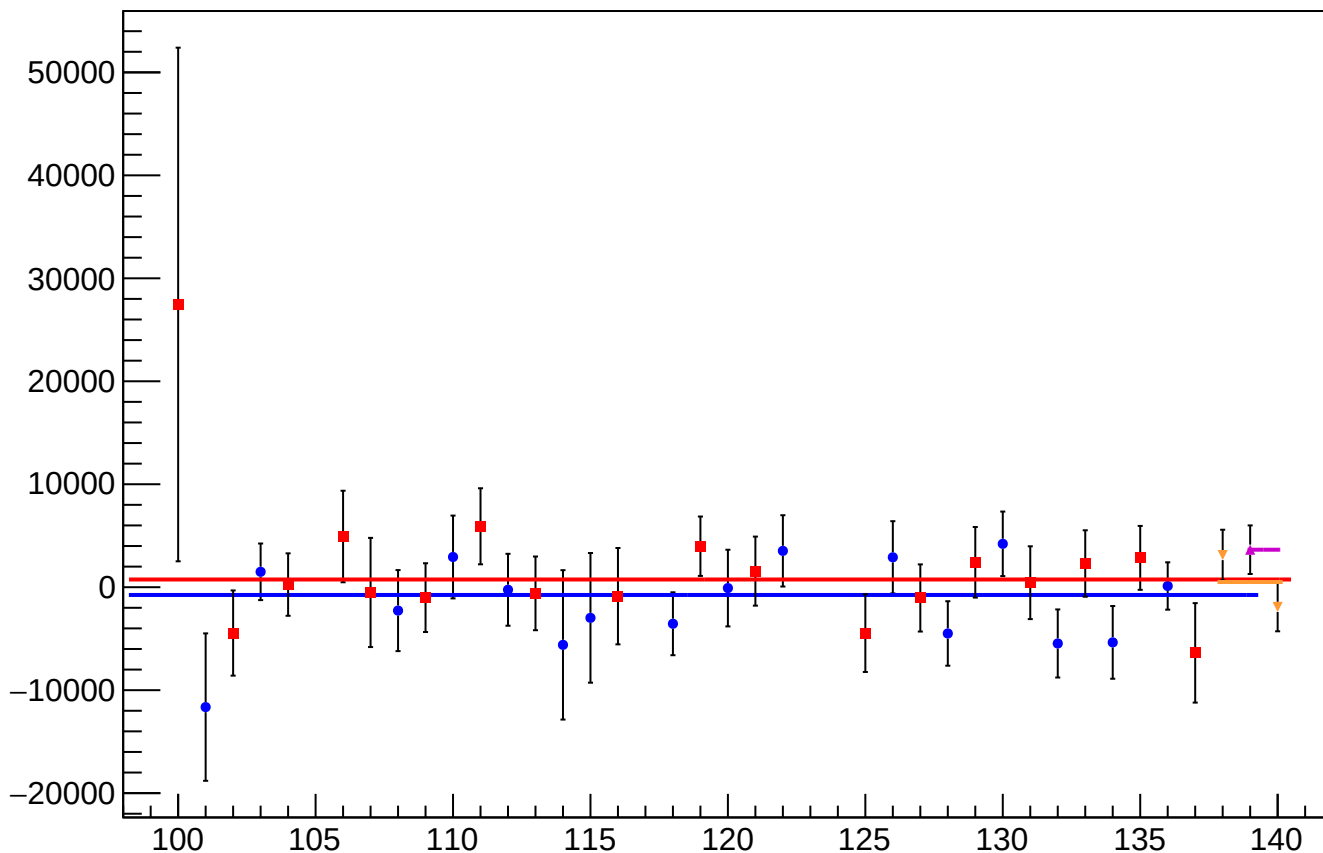
Left In: 168.863+/-0.132 χ^2/NDF : 0.0/0

+ sign 183.445+/-0.053 χ^2/NDF : 5114916.5/17

All: 170.271+/-0.038 χ^2/NDF : 11402583.4/30

- sign 156.990+/-0.053 χ^2/NDF : 6163957.2/18

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322 ± 872.653 χ^2/NDF : 15.9/15

Left Out: 505.592 ± 1704.970 χ^2/NDF : 2.2/1

Right Out: 749.316 ± 869.366 χ^2/NDF : 12.8/17

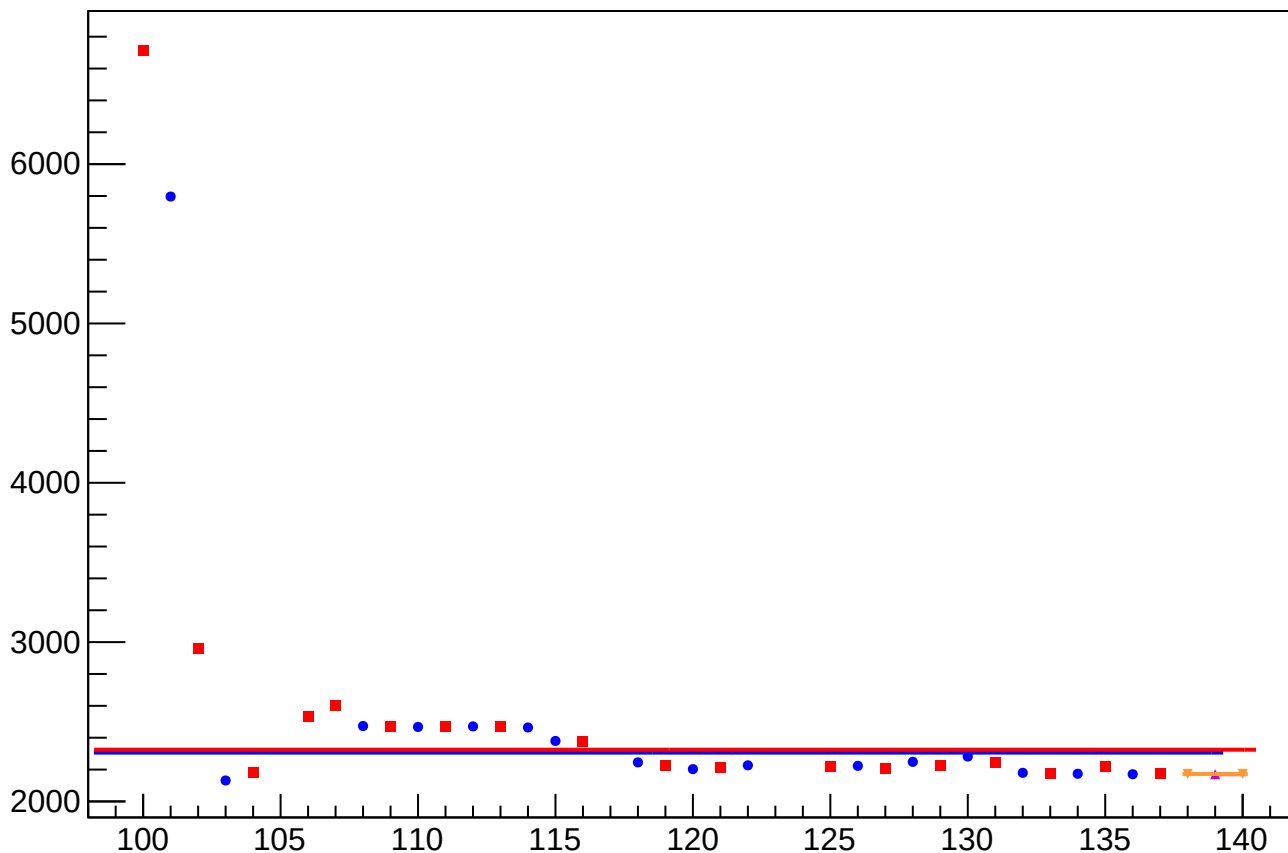
Left In: 3642.338 ± 2359.429 χ^2/NDF : 0.0/0

+ sign -491.987 ± 776.814 χ^2/NDF : 18.5/17

All: 262.794 ± 562.552 χ^2/NDF : 34.6/36

- sign 1095.139 ± 815.752 χ^2/NDF : 14.1/18

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 0.617 χ^2 /NDF: 514150.6/15

Left Out: 2172.587 $\pm$ 1.206 χ^2 /NDF: 0.0/1

Right Out: 2324.685 $\pm$ 0.615 χ^2 /NDF: 153578.5/17

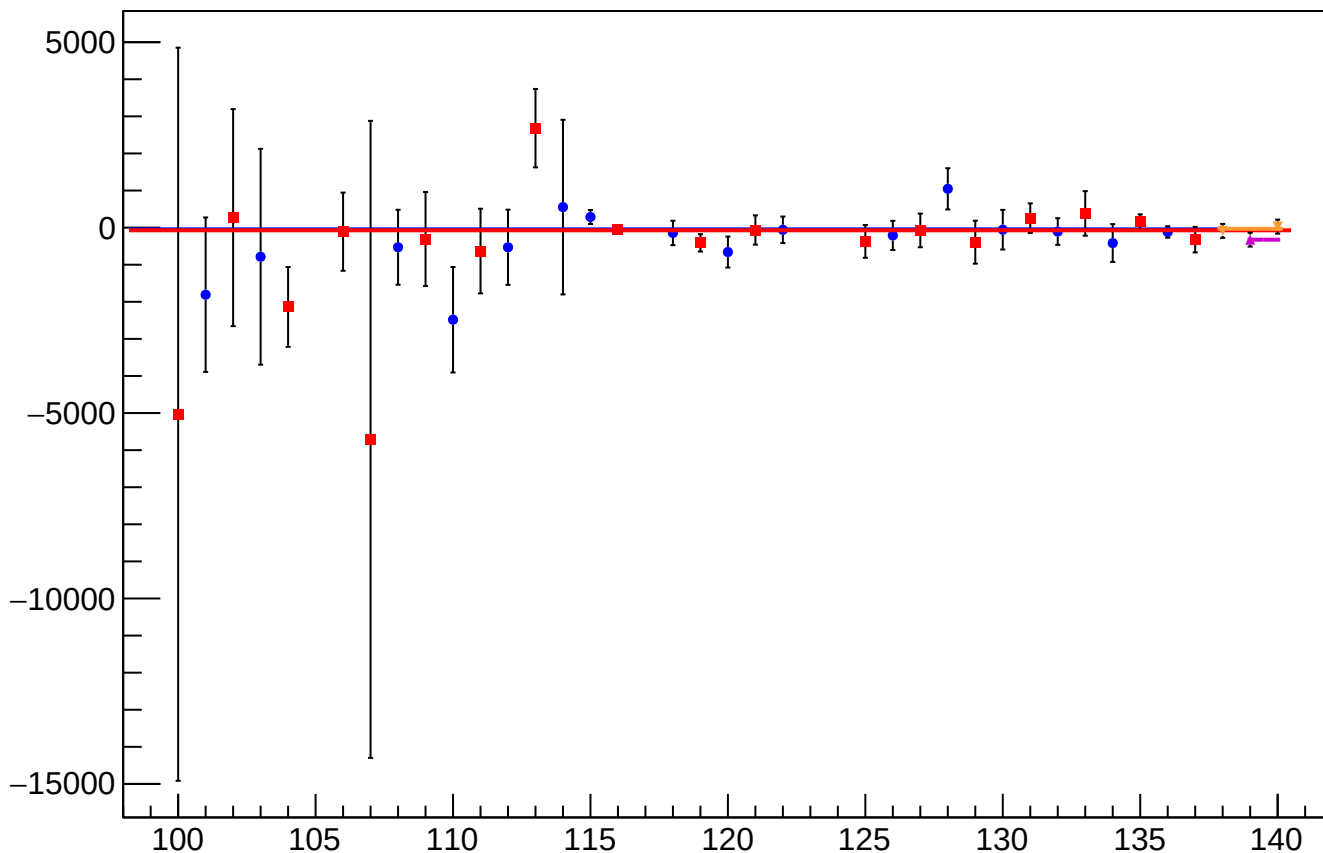
Left In: 2170.960 $\pm$ 1.668 χ^2 /NDF: 0.0/0

+ sign 2278.815 $\pm$ 0.549 χ^2 /NDF: 523948.2/17

All: 2291.890 $\pm$ 0.398 χ^2 /NDF: 686193.3/36

- sign 2306.309 $\pm$ 0.577 χ^2 /NDF: 161053.6/18

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -47.960 $\pm$ 90.920 χ^2 /NDF: 14.4/15

Left Out: -31.115 $\pm$ 133.030 χ^2 /NDF: 0.2/1

Right Out: -72.198 $\pm$ 82.322 χ^2 /NDF: 17.4/17

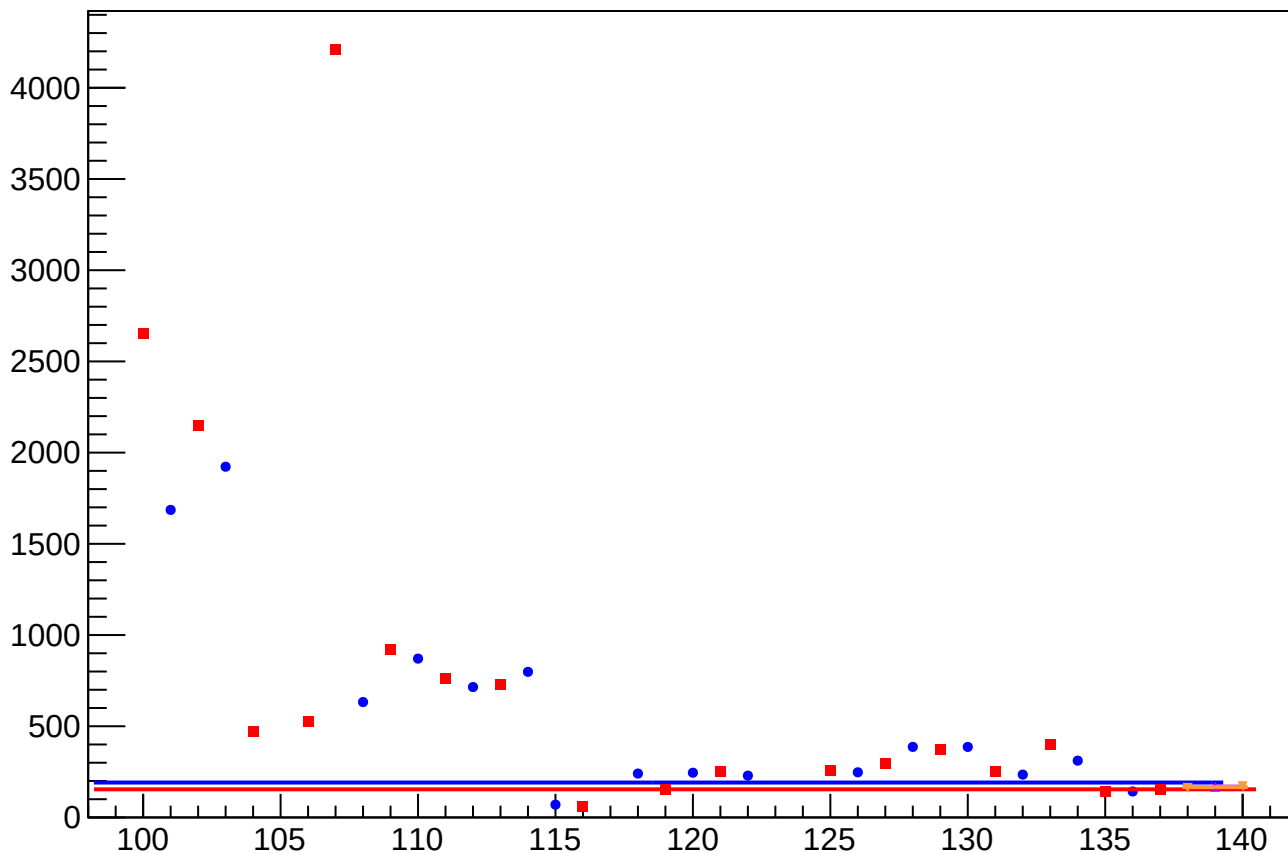
Left In: -325.218 $\pm$ 186.640 χ^2 /NDF: 0.0/0

+ sign -42.597 $\pm$ 75.063 χ^2 /NDF: 14.6/17

All: -77.880 $\pm$ 53.169 χ^2 /NDF: 34.0/36

- sign -113.405 $\pm$ 75.321 χ^2 /NDF: 19.0/18

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: 166.444+/-0.094 χ^2/NDF : 2299.3/1

Right Out: 154.121+/-0.058 χ^2/NDF : 6108665.0/17

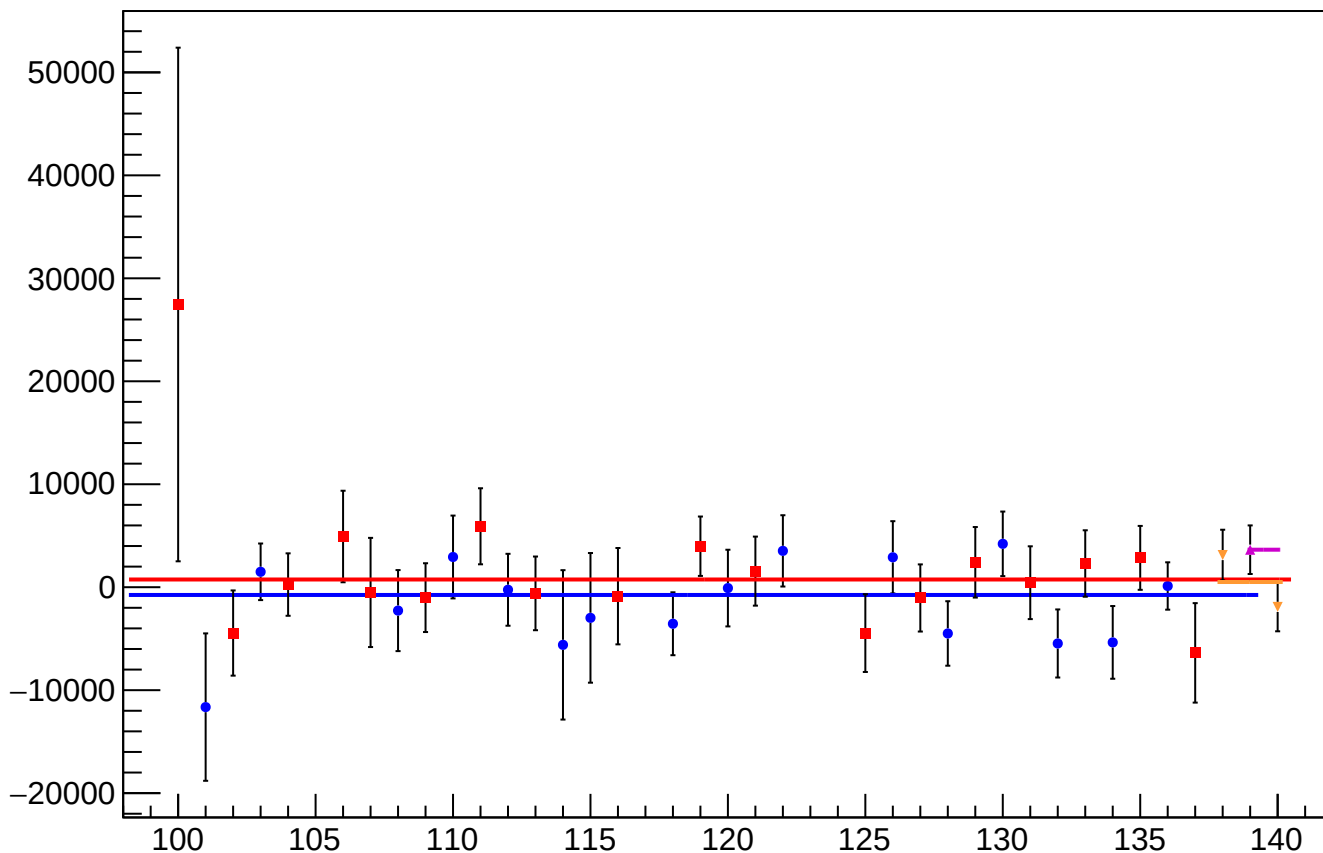
Left In: 168.873+/-0.132 χ^2/NDF : 0.0/0

+ sign 183.458+/-0.053 χ^2/NDF : 5113897.1/17

All: 170.037+/-0.038 χ^2/NDF : 11361332.0/30

- sign 156.524+/-0.053 χ^2/NDF : 6119124.1/18

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: 505.592 ± 1704.970 χ^2/NDF : 2.2/1

Right Out: 749.316 ± 869.366 χ^2/NDF : 12.8/17

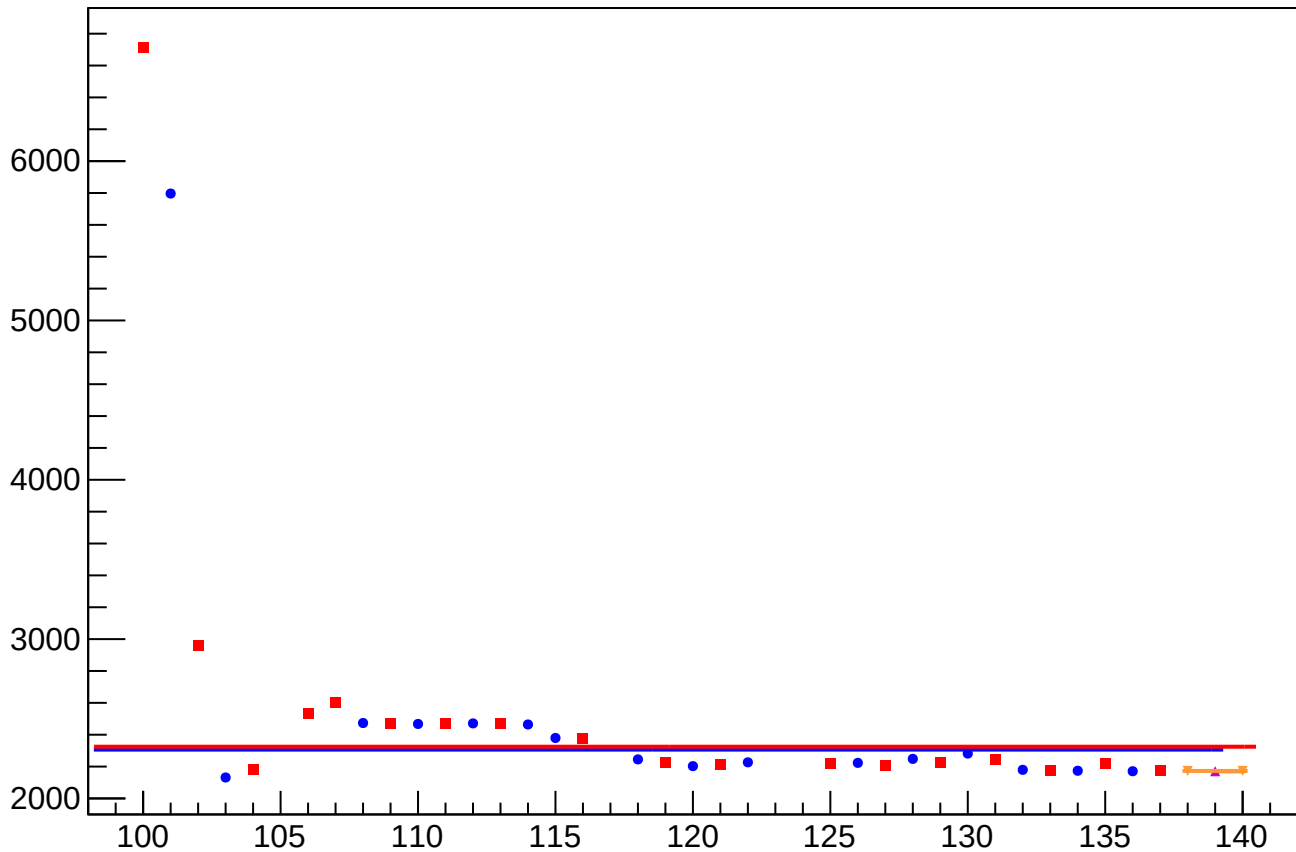
Left In: 3642.338 ± 2359.429 χ^2/NDF : 0.0/0

+ sign -491.987 ± 776.814 χ^2/NDF : 18.5/17

All: 262.794 ± 562.552 χ^2/NDF : 34.6/36

- sign 1095.139 ± 815.752 χ^2/NDF : 14.1/18

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 0.617 χ^2 /NDF: 514150.6/15

Left Out: 2172.587 $\pm$ 1.206 χ^2 /NDF: 0.0/1

Right Out: 2324.685 $\pm$ 0.615 χ^2 /NDF: 153578.5/17

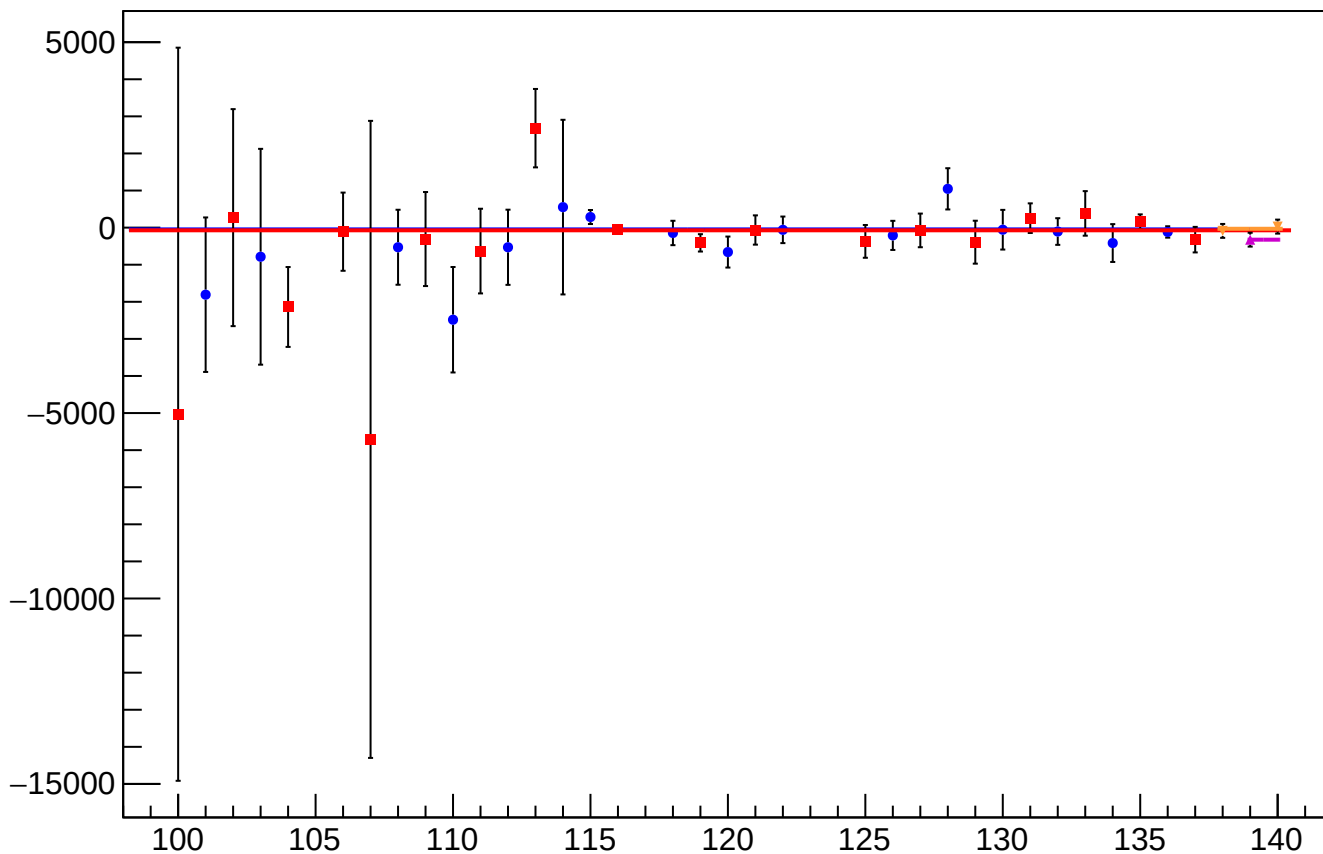
Left In: 2170.960 $\pm$ 1.668 χ^2 /NDF: 0.0/0

+ sign 2278.815 $\pm$ 0.549 χ^2 /NDF: 523948.2/17

All: 2291.890 $\pm$ 0.398 χ^2 /NDF: 686193.3/36

- sign 2306.309 $\pm$ 0.577 χ^2 /NDF: 161053.6/18

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: -31.115 ± 133.030 χ^2/NDF : 0.2/1

Right Out: -72.198 ± 82.322 χ^2/NDF : 17.4/17

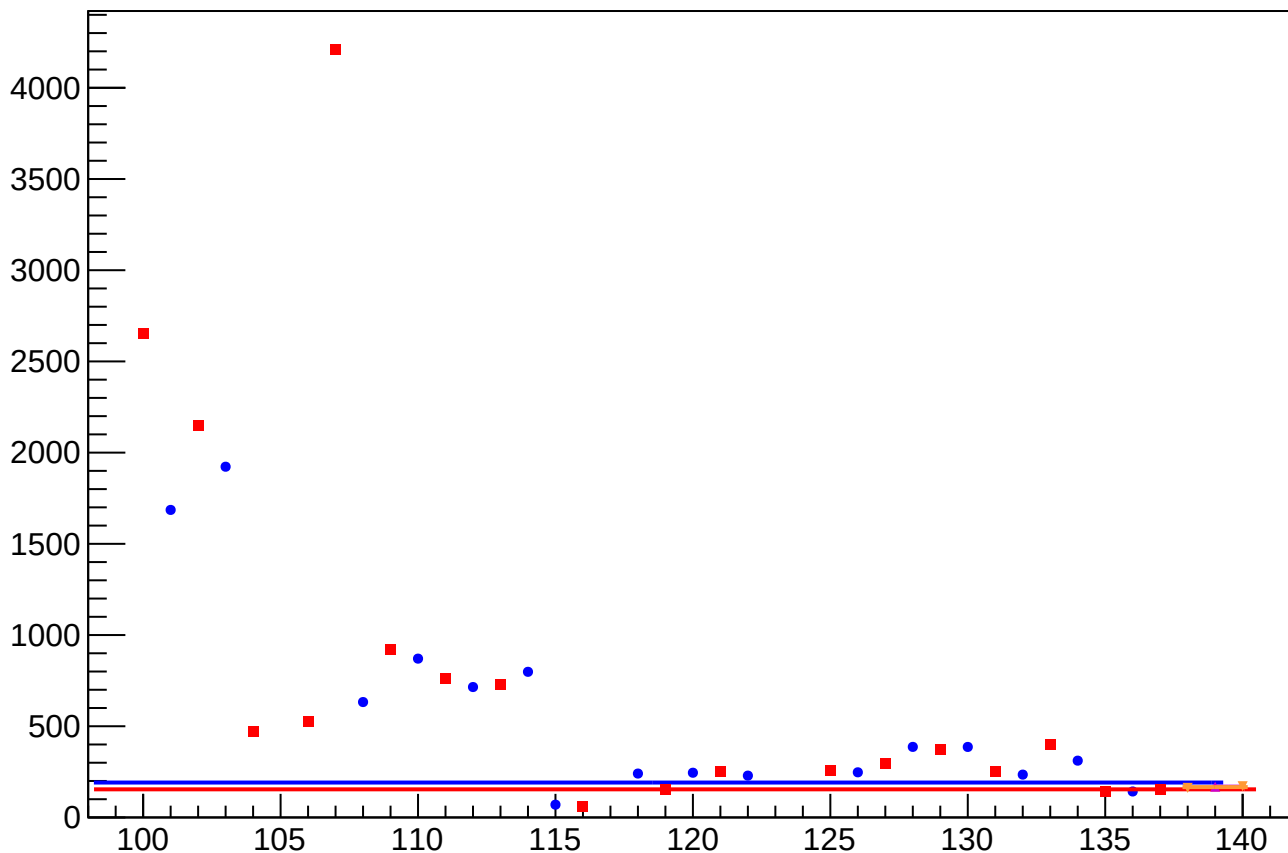
Left In: -325.218 ± 186.640 χ^2/NDF : 0.0/0

+ sign -42.597 ± 75.063 χ^2/NDF : 14.6/17

All: -77.880 ± 53.169 χ^2/NDF : 34.0/36

- sign -113.405 ± 75.321 χ^2/NDF : 19.0/18

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 191.405 $\pm$ 0.064 χ^2 /NDF: 5063603.7/15

Left Out: 166.444 $\pm$ 0.094 χ^2 /NDF: 2299.3/1

Right Out: 154.121 $\pm$ 0.058 χ^2 /NDF: 6108665.0/17

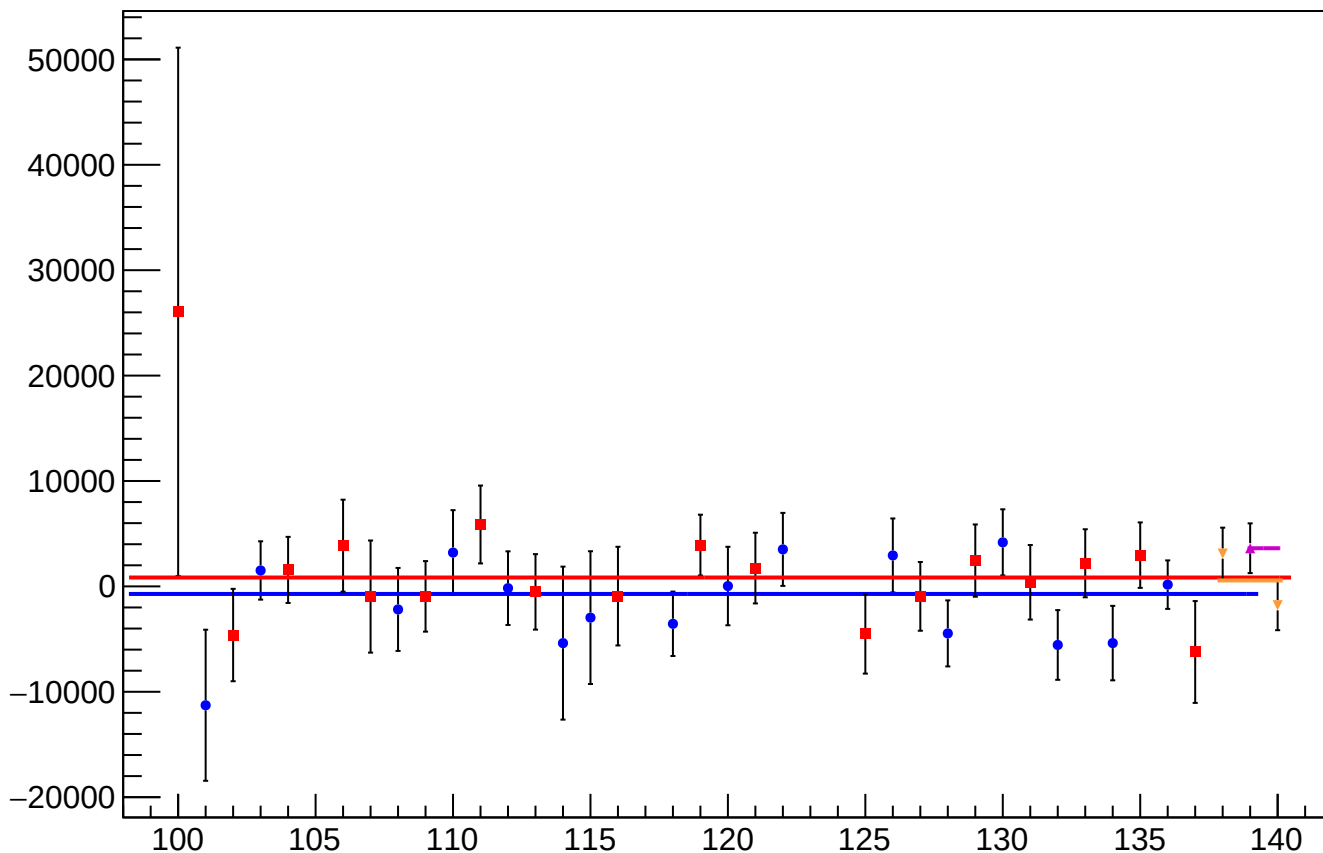
Left In: 168.873 $\pm$ 0.132 χ^2 /NDF: 0.0/0

+ sign 183.458 $\pm$ 0.053 χ^2 /NDF: 5113897.1/17

All: 170.037 $\pm$ 0.038 χ^2 /NDF: 11361332.0/30

- sign 156.524 $\pm$ 0.053 χ^2 /NDF: 6119124.1/18

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF : 15.8/15

Left Out: 565.674+/-1705.645 χ^2/NDF : 2.1/1

Right Out: 842.157+/-873.586 χ^2/NDF : 12.2/17

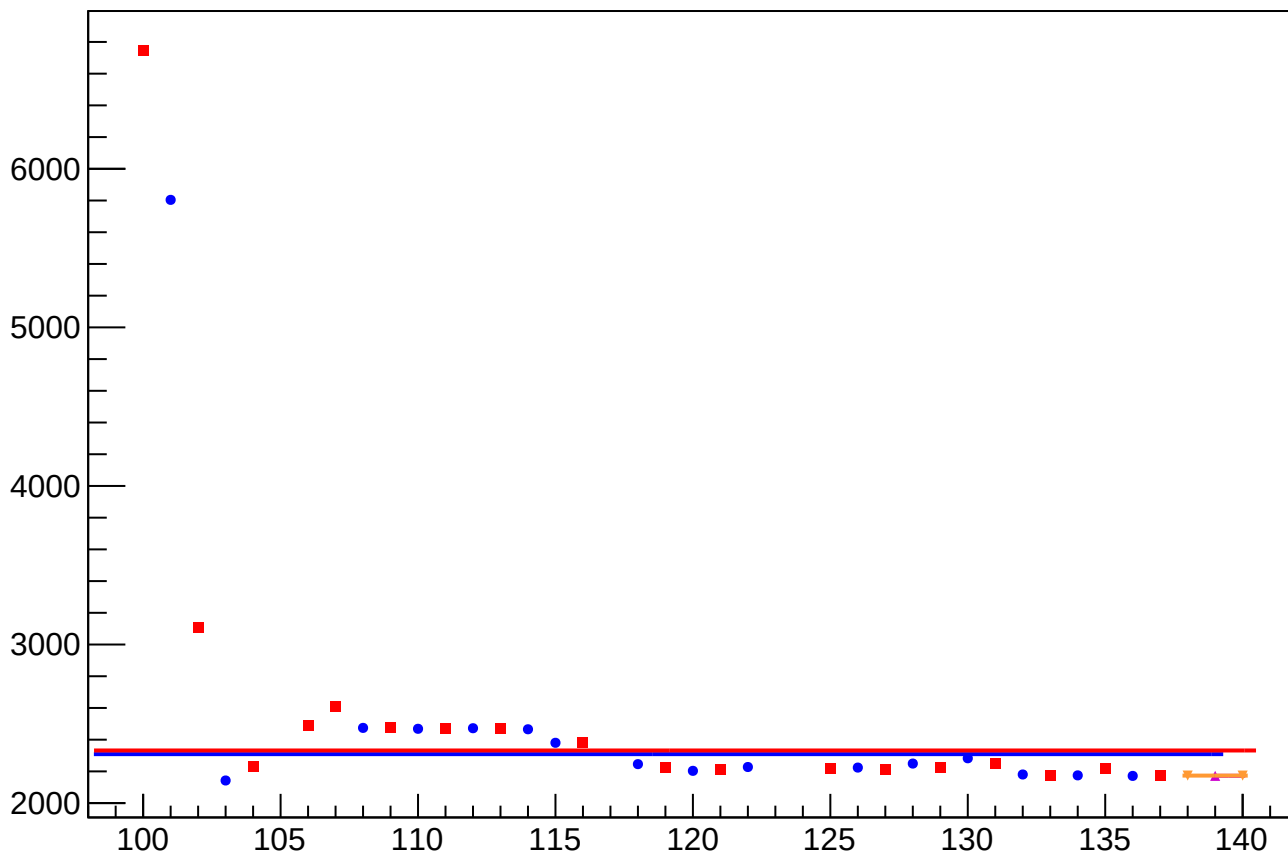
Left In: 3619.208+/-2360.478 χ^2/NDF : 0.0/0

+ sign -450.580+/-777.503 χ^2/NDF : 18.4/17

All: 320.514+/-563.969 χ^2/NDF : 33.8/36

- sign 1176.697+/-819.280 χ^2/NDF : 13.4/18

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739 $\pm$ 0.618 χ^2 /NDF: 513742.2/15

Left Out: 2173.448 $\pm$ 1.206 χ^2 /NDF: 0.0/1

Right Out: 2331.849 $\pm$ 0.618 χ^2 /NDF: 167321.7/17

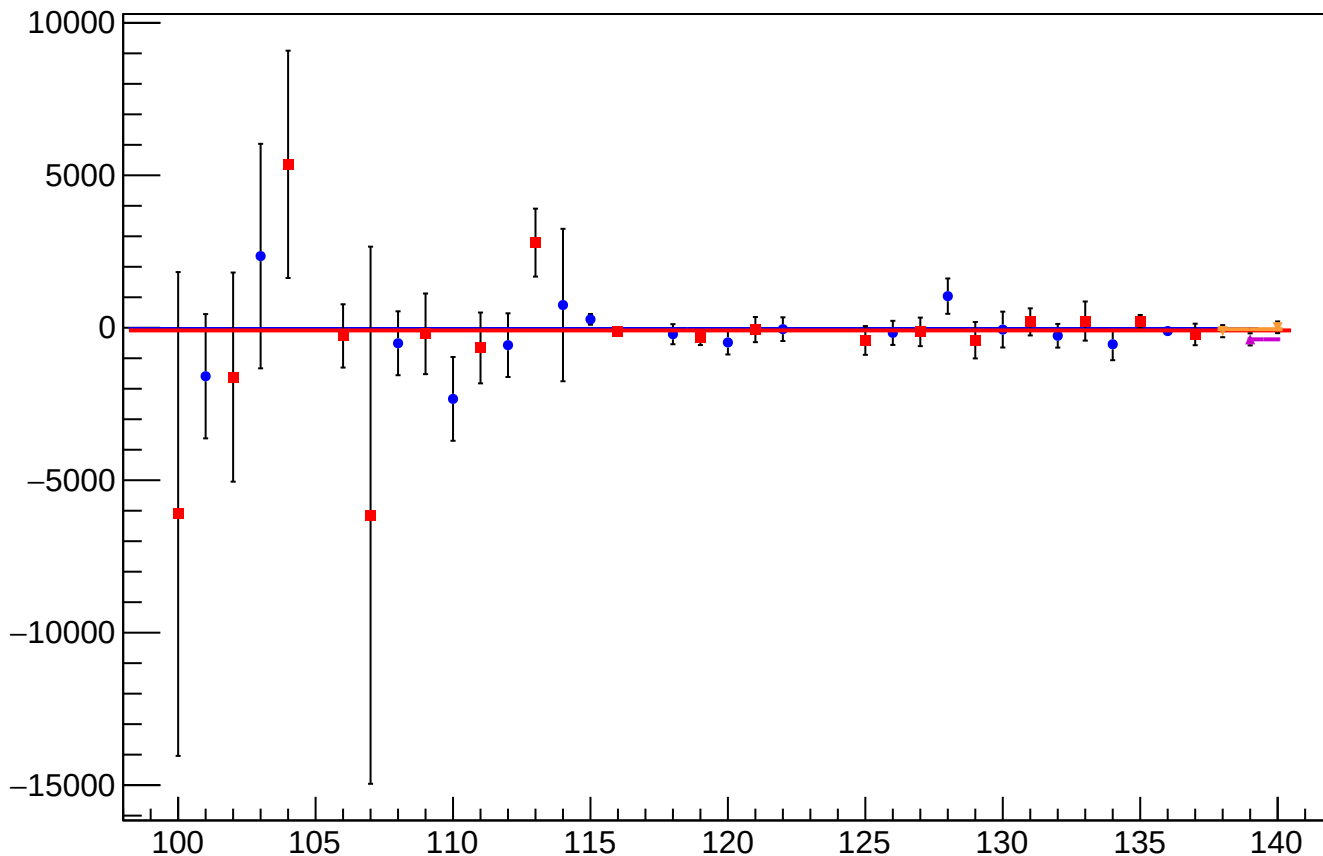
Left In: 2171.924 $\pm$ 1.669 χ^2 /NDF: 0.0/0

+ sign 2280.627 $\pm$ 0.550 χ^2 /NDF: 523710.7/17

All: 2295.770 $\pm$ 0.399 χ^2 /NDF: 700707.9/36

- sign 2312.584 $\pm$ 0.579 χ^2 /NDF: 175396.1/18

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -40.119+/-92.409 χ^2/NDF : 14.1/15

Left Out: -45.653+/-138.037 χ^2/NDF : 0.2/1

Right Out: -86.379+/-86.088 χ^2/NDF : 15.0/17

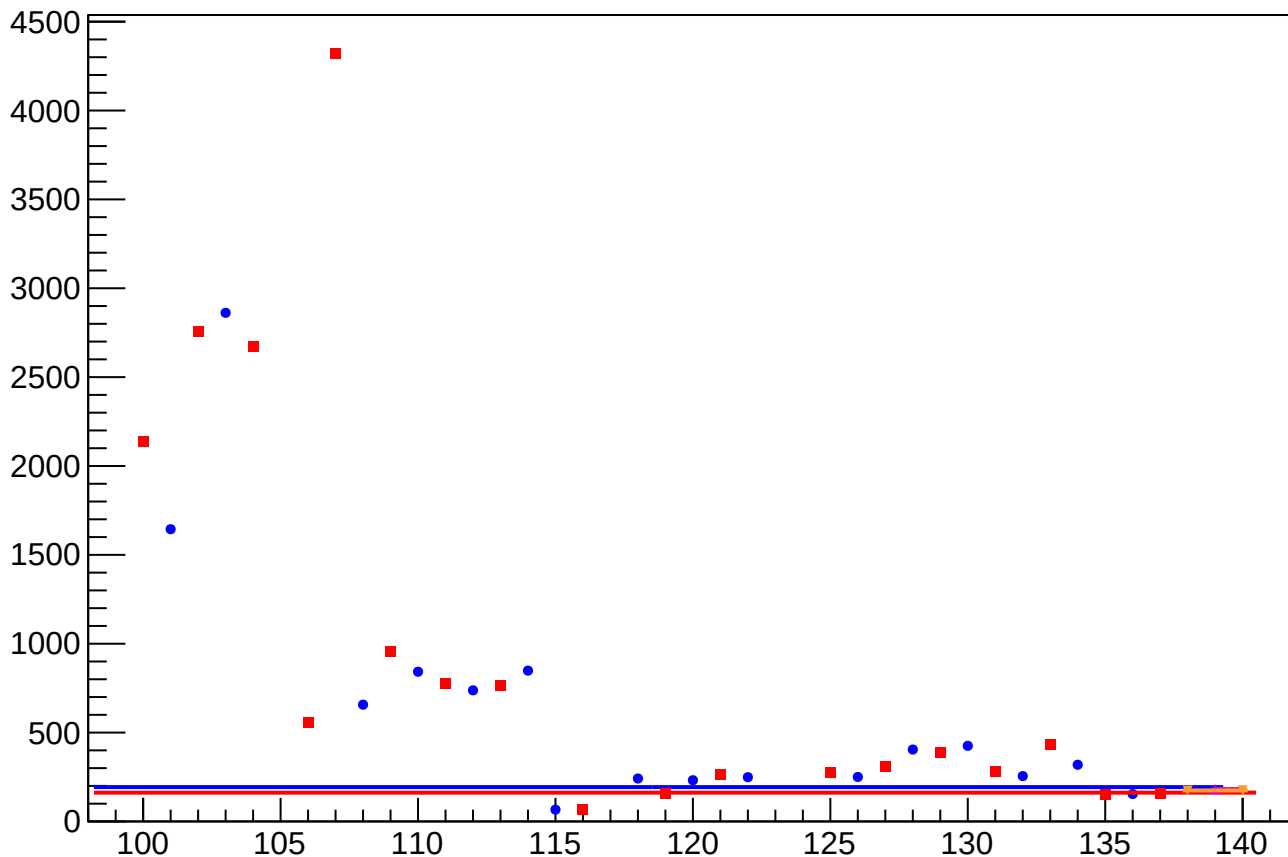
Left In: -379.665+/-199.000 χ^2/NDF : 0.0/0

+ sign -41.832+/-76.790 χ^2/NDF : 14.3/17

All: -85.928+/-55.067 χ^2/NDF : 31.7/36

- sign -132.613+/-79.011 χ^2/NDF : 16.8/18

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: 174.530+/-0.098 χ^2/NDF : 86.5/1

Right Out: 162.114+/-0.061 χ^2/NDF : 7070489.1/17

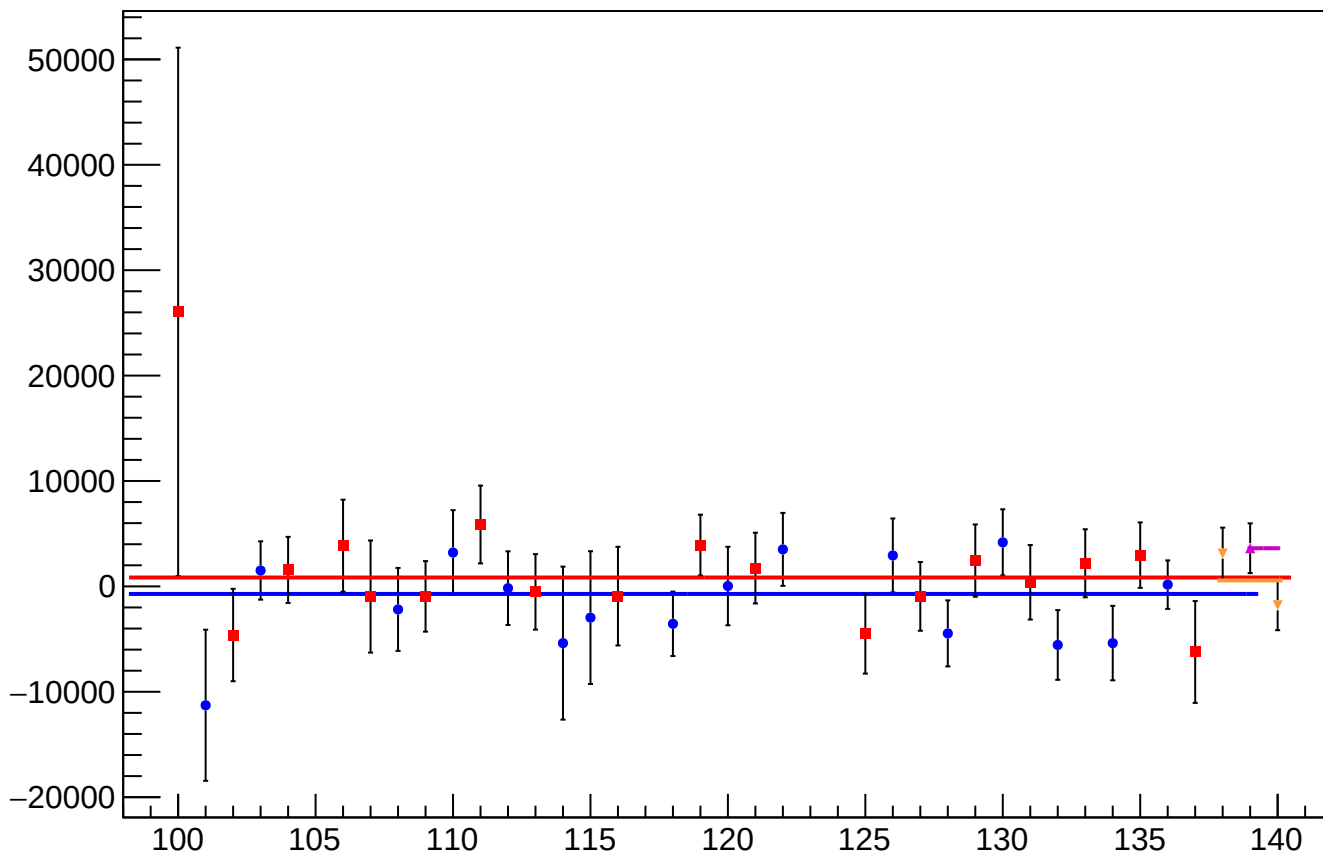
Left In: 182.238+/-0.141 χ^2/NDF : 0.0/0

+ sign 187.460+/-0.054 χ^2/NDF : 5643347.8/17

All: 176.689+/-0.039 χ^2/NDF : 12812070.5/30

- sign 165.286+/-0.056 χ^2/NDF : 7087717.9/18

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: 565.676+/-1705.645 χ^2/NDF : 2.1/1

Right Out: 842.159+/-873.586 χ^2/NDF : 12.2/17

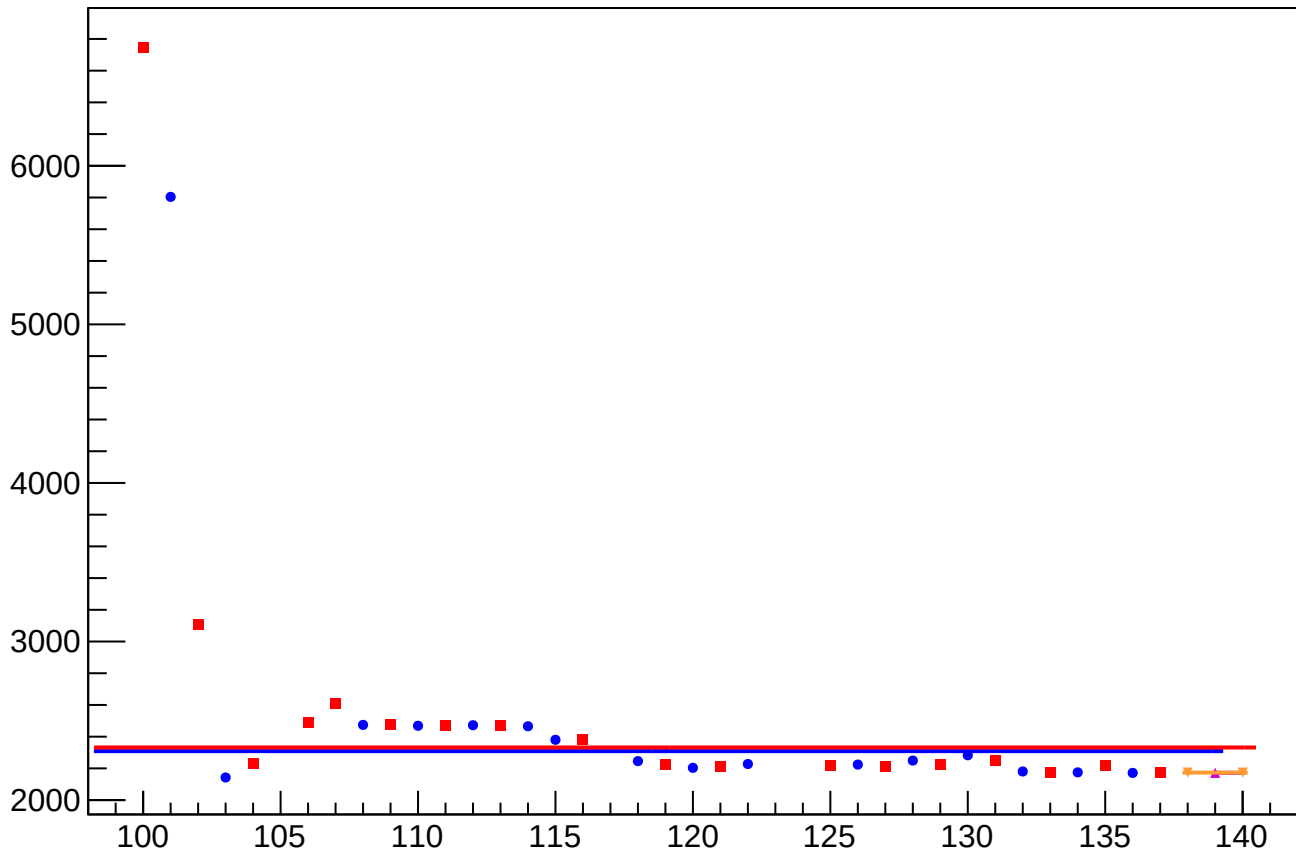
Left In: 3619.198+/-2360.478 χ^2/NDF : 0.0/0

+ sign -450.580+/-777.503 χ^2/NDF : 18.4/17

All: 320.514+/-563.969 χ^2/NDF : 33.8/36

- sign 1176.698+/-819.280 χ^2/NDF : 13.4/18

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: 2173.448+/-1.206 χ^2/NDF : 0.0/1

Right Out: 2331.849+/-0.618 χ^2/NDF : 167321.6/17

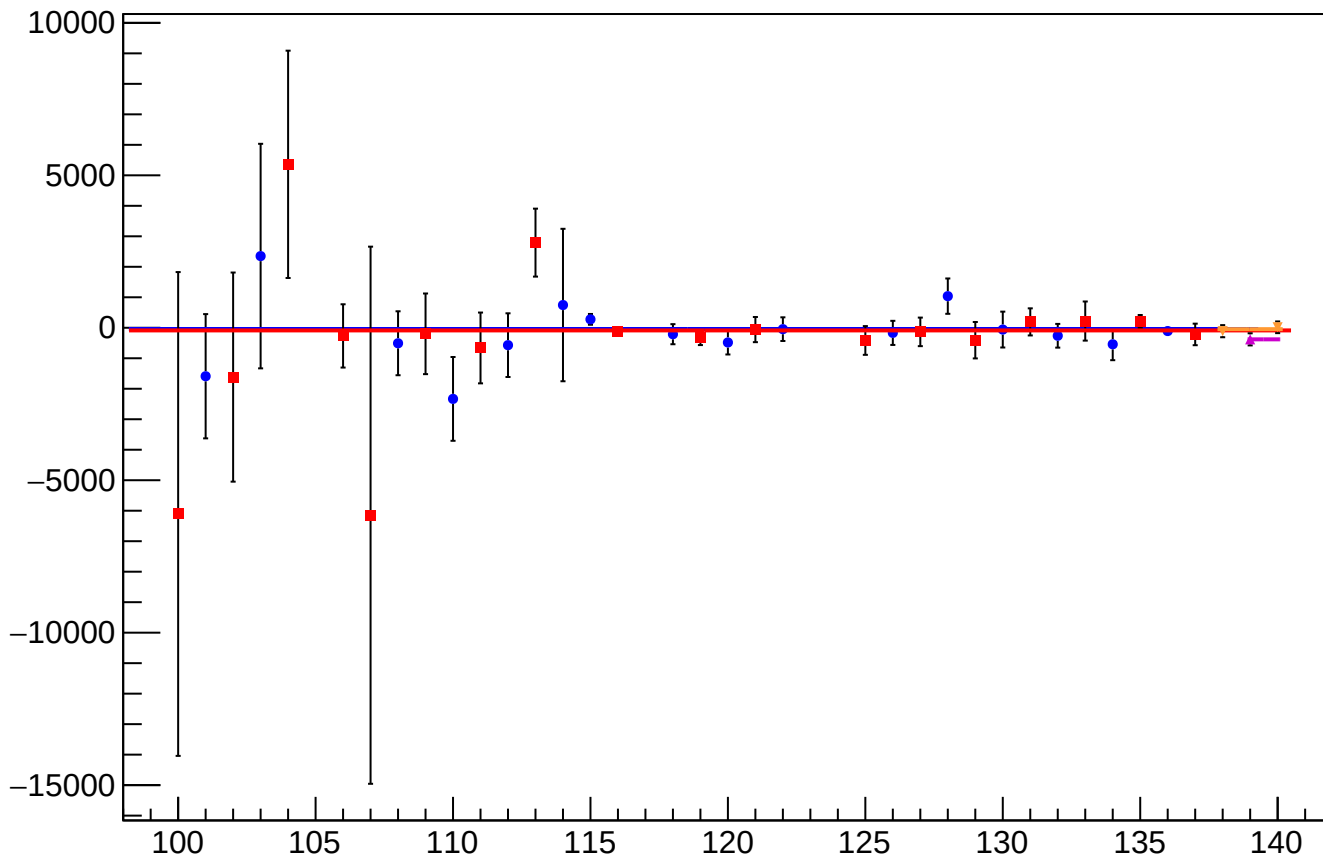
Left In: 2171.924+/-1.669 χ^2/NDF : 0.0/0

+ sign 2280.627+/-0.550 χ^2/NDF : 523710.8/17

All: 2295.770+/-0.399 χ^2/NDF : 700707.8/36

- sign 2312.584+/-0.579 χ^2/NDF : 175396.0/18

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -40.116+/-92.408 χ^2/NDF : 14.1/15

Left Out: -45.650+/-138.039 χ^2/NDF : 0.2/1

Right Out: -86.380+/-86.087 χ^2/NDF : 15.0/17

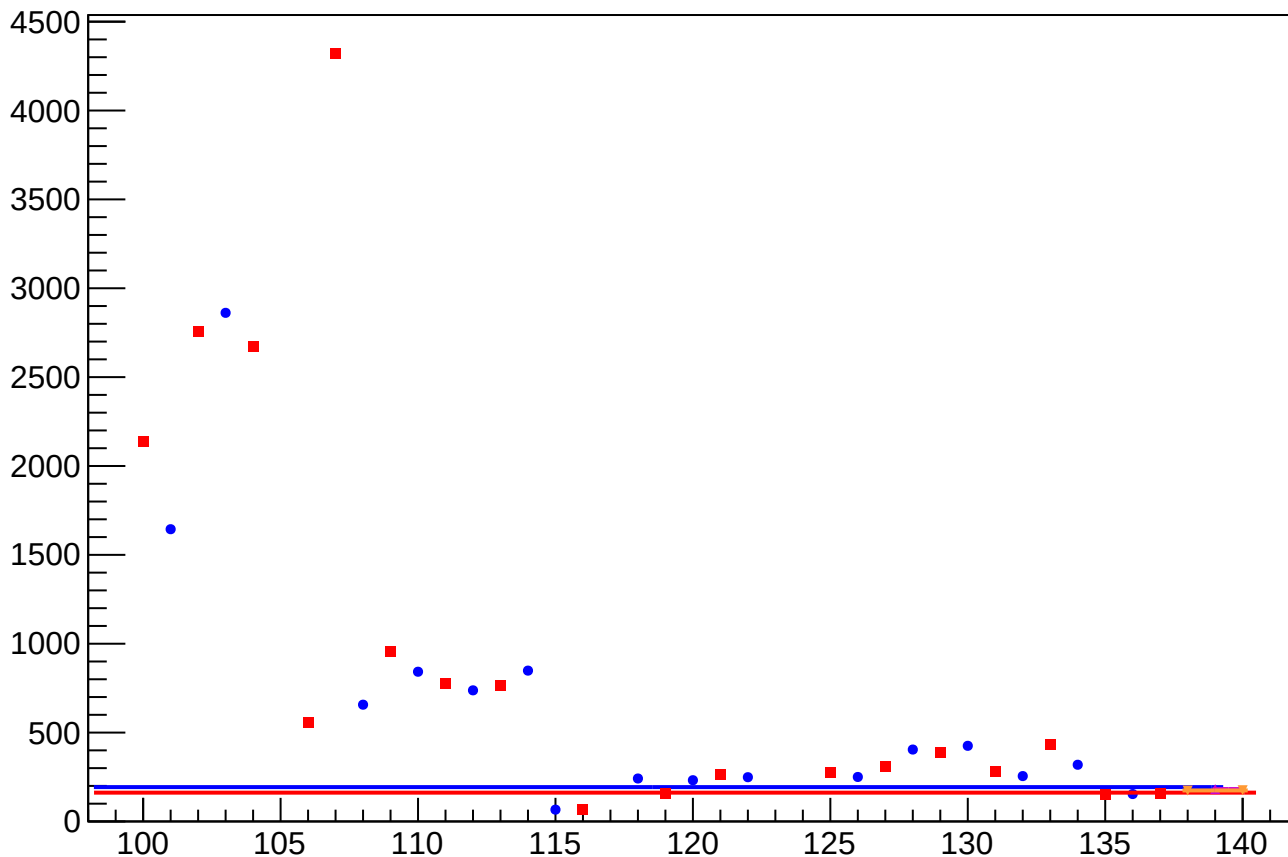
Left In: -379.671+/-199.004 χ^2/NDF : 0.0/0

+ sign -41.828+/-76.790 χ^2/NDF : 14.3/17

All: -85.927+/-55.067 χ^2/NDF : 31.7/36

- sign -132.613+/-79.011 χ^2/NDF : 16.8/18

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 193.253+/-0.065 χ^2/NDF : 5617884.1/15

Left Out: 174.532+/-0.098 χ^2/NDF : 86.1/1

Right Out: 162.112+/-0.061 χ^2/NDF : 7070547.9/17

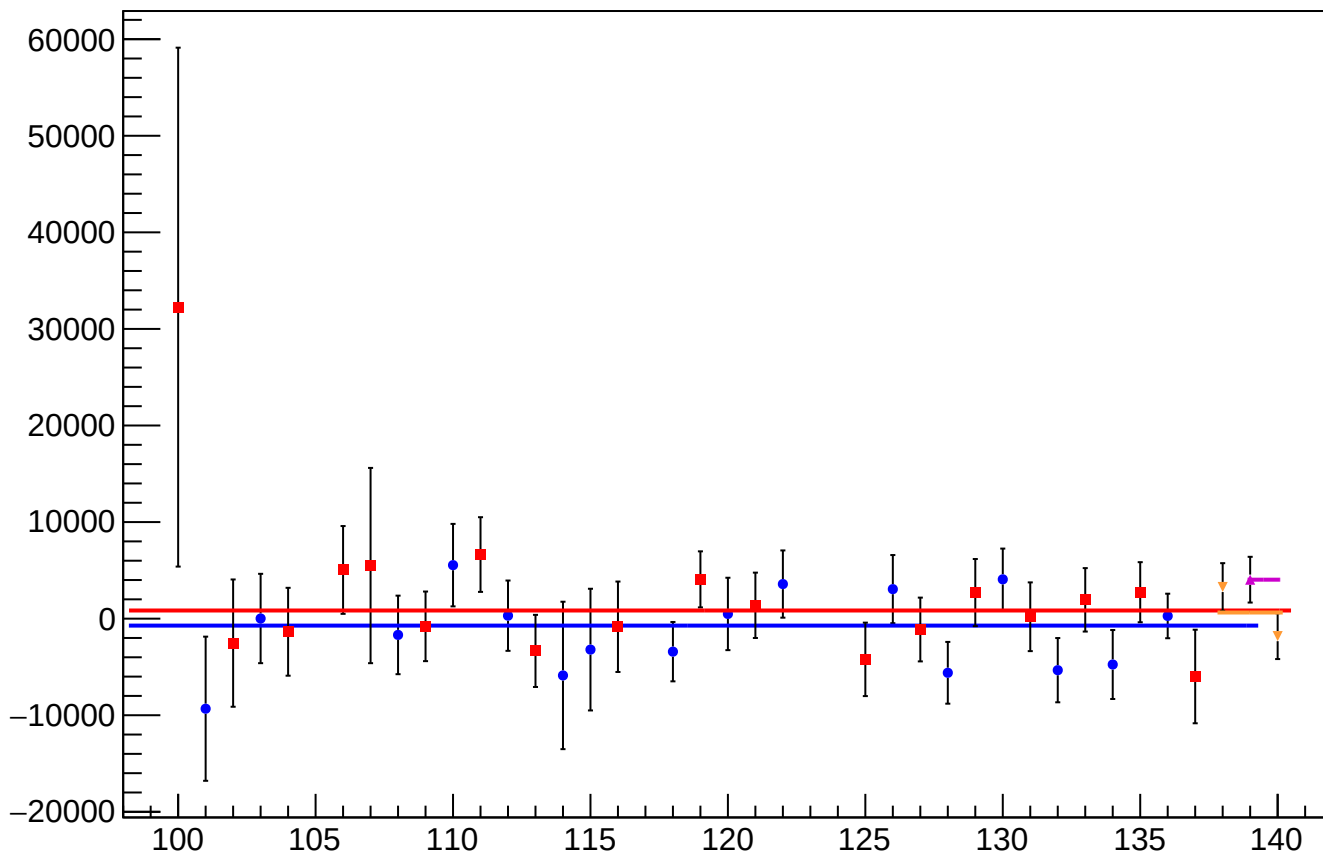
Left In: 182.242+/-0.141 χ^2/NDF : 0.0/0

+ sign 187.460+/-0.054 χ^2/NDF : 5643373.4/17

All: 176.688+/-0.039 χ^2/NDF : 12812169.5/30

- sign 165.285+/-0.056 χ^2/NDF : 7087786.0/18

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF : 15.8/15

Left Out: 636.311+/-1710.890 χ^2/NDF : 2.2/1

Right Out: 844.810+/-928.703 χ^2/NDF : 12.9/17

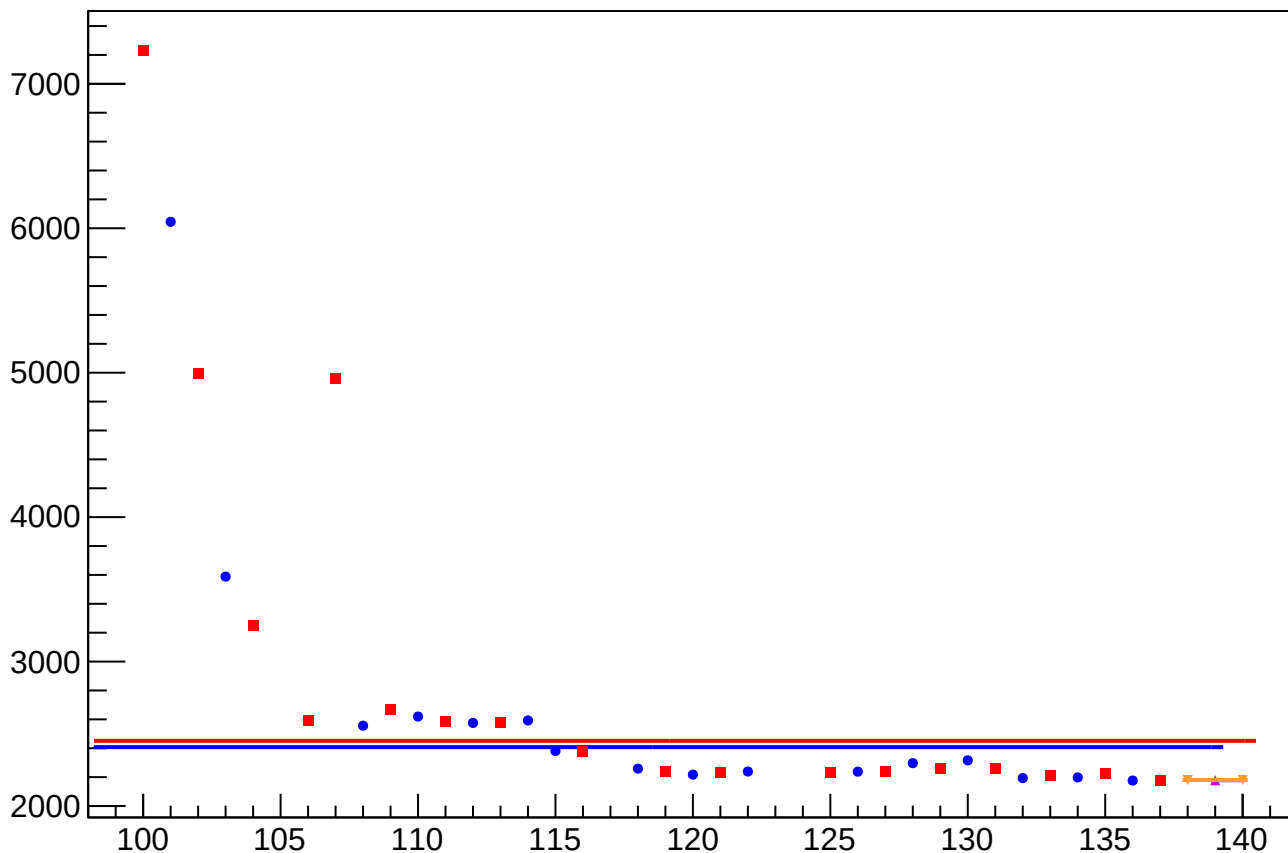
Left In: 4035.395+/-2367.683 χ^2/NDF : 0.0/0

+ sign -417.378+/-807.700 χ^2/NDF : 18.5/17

All: 369.102+/-590.212 χ^2/NDF : 35.0/36

- sign 1270.238+/-864.573 χ^2/NDF : 14.5/18

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF : 676891.3/15

Left Out: 2180.131+/-1.210 χ^2/NDF : 0.0/1

Right Out: 2451.189+/-0.657 χ^2/NDF : 633600.1/17

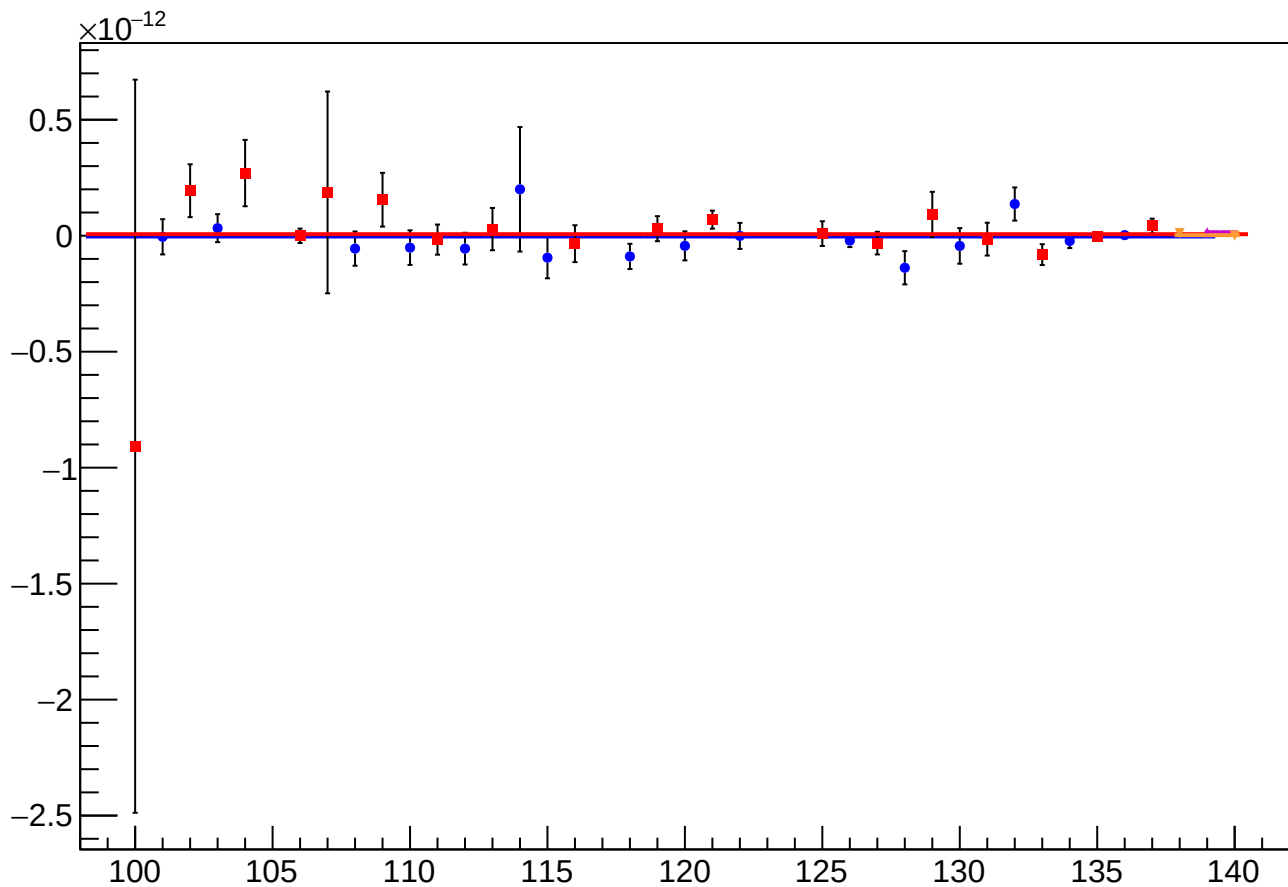
Left In: 2178.551+/-1.674 χ^2/NDF : 0.0/0

+ sign 2357.055+/-0.571 χ^2/NDF : 704412.4/17

All: 2383.983+/-0.417 χ^2/NDF : 1365765.4/30

- sign 2414.836+/-0.611 χ^2/NDF : 656583.1/18

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/17

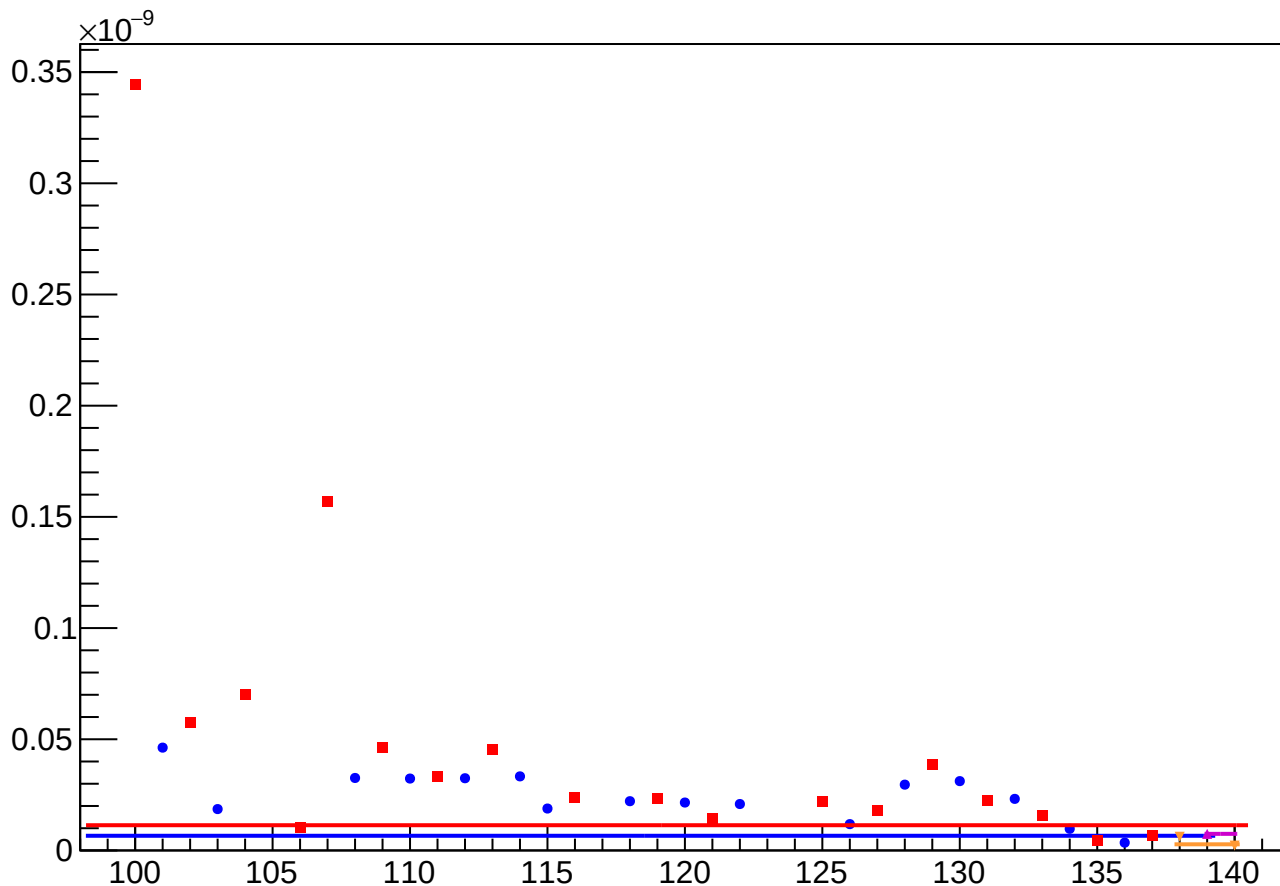
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 17.1/17

All: 0.000 ± 0.000 χ^2/NDF : 37.4/36

- sign 0.000 ± 0.000 χ^2/NDF : 19.2/18

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2856979.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 276559.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2697712.1/17

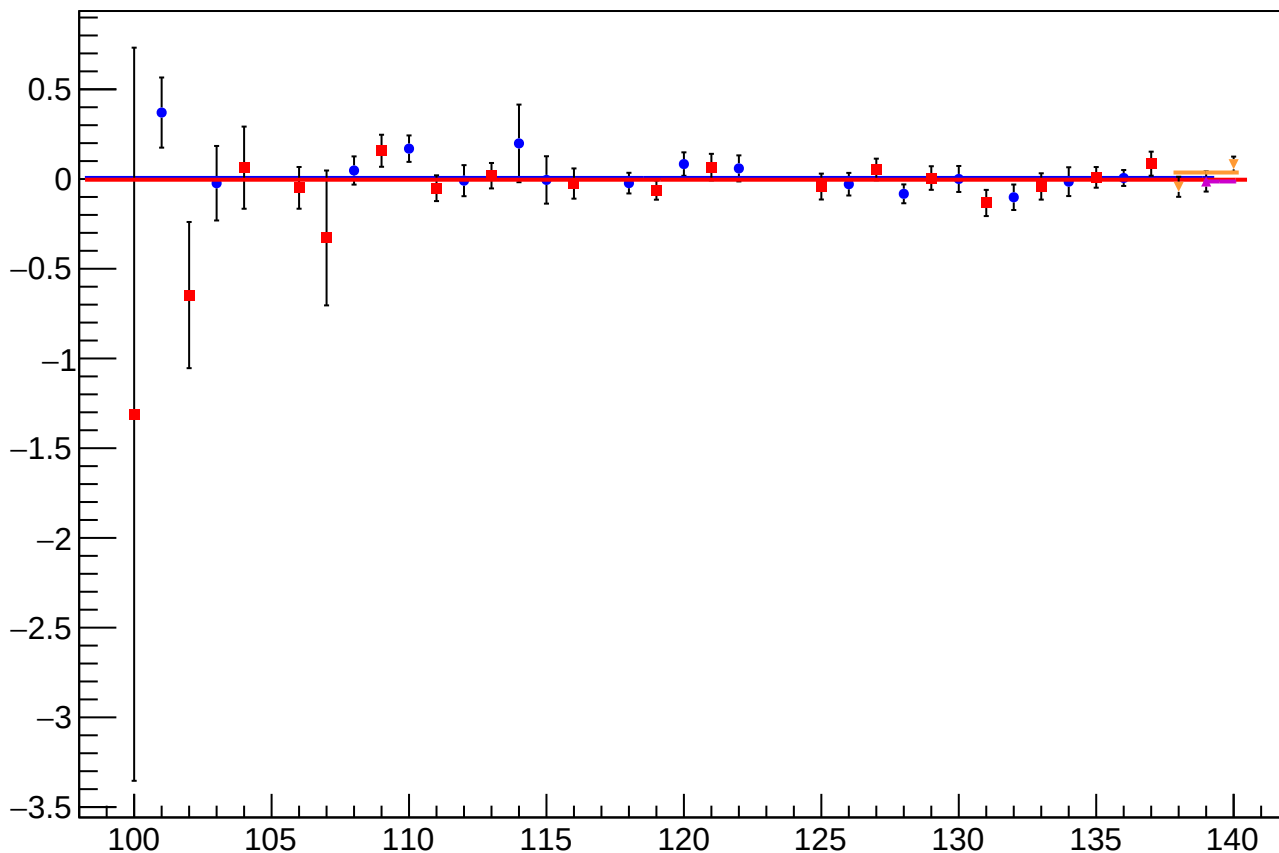
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3677191.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7562194.3/36

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2824060.6/18

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.036 $\pm$ 0.034 χ^2 /NDF: 3.2/1

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

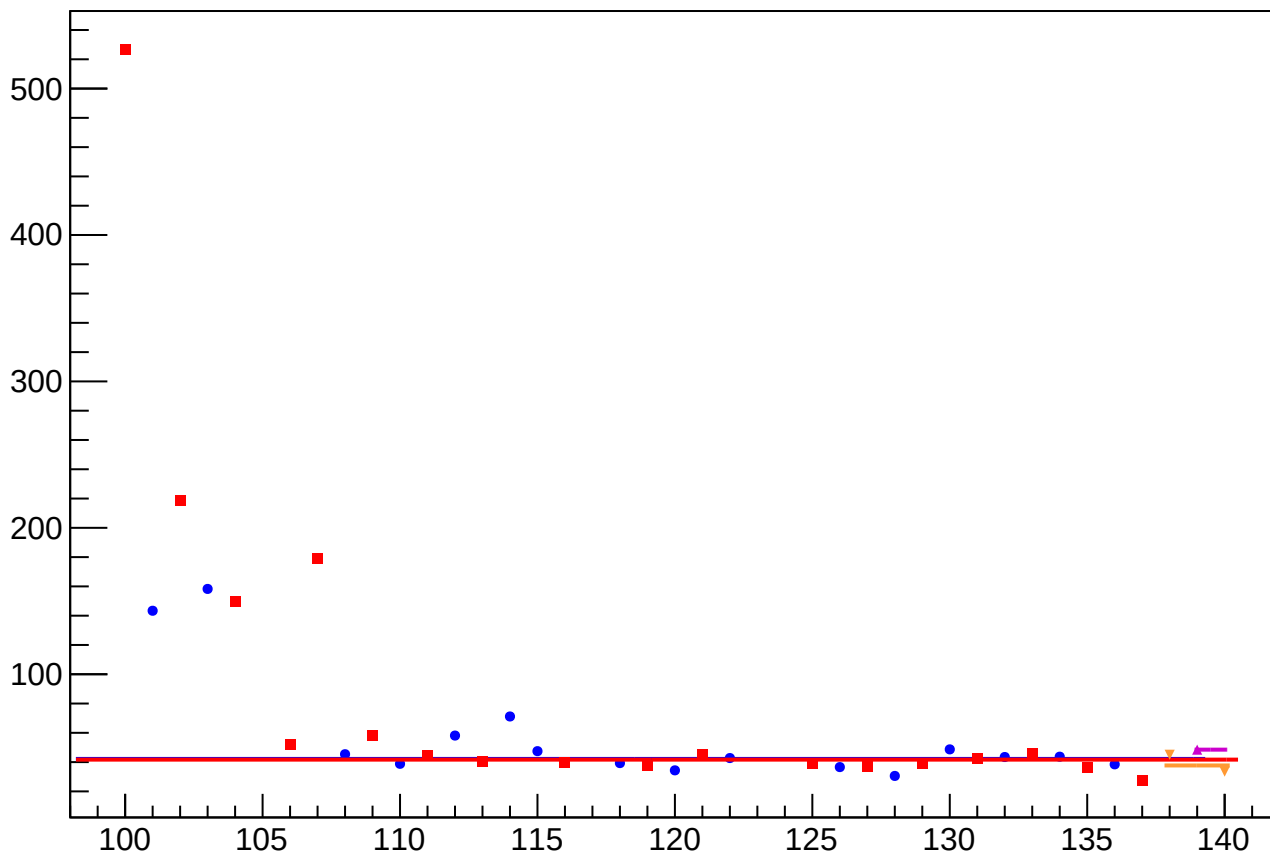
Left In: -0.014 $\pm$ 0.056 χ^2 /NDF: 0.0/0

+ sign 0.013 $\pm$ 0.016 χ^2 /NDF: 21.0/17

All: 0.005 $\pm$ 0.012 χ^2 /NDF: 37.9/36

- sign -0.005 $\pm$ 0.018 χ^2 /NDF: 16.3/18

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: 37.713+/-0.024 χ^2/NDF : 53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF : 1441204.7/17

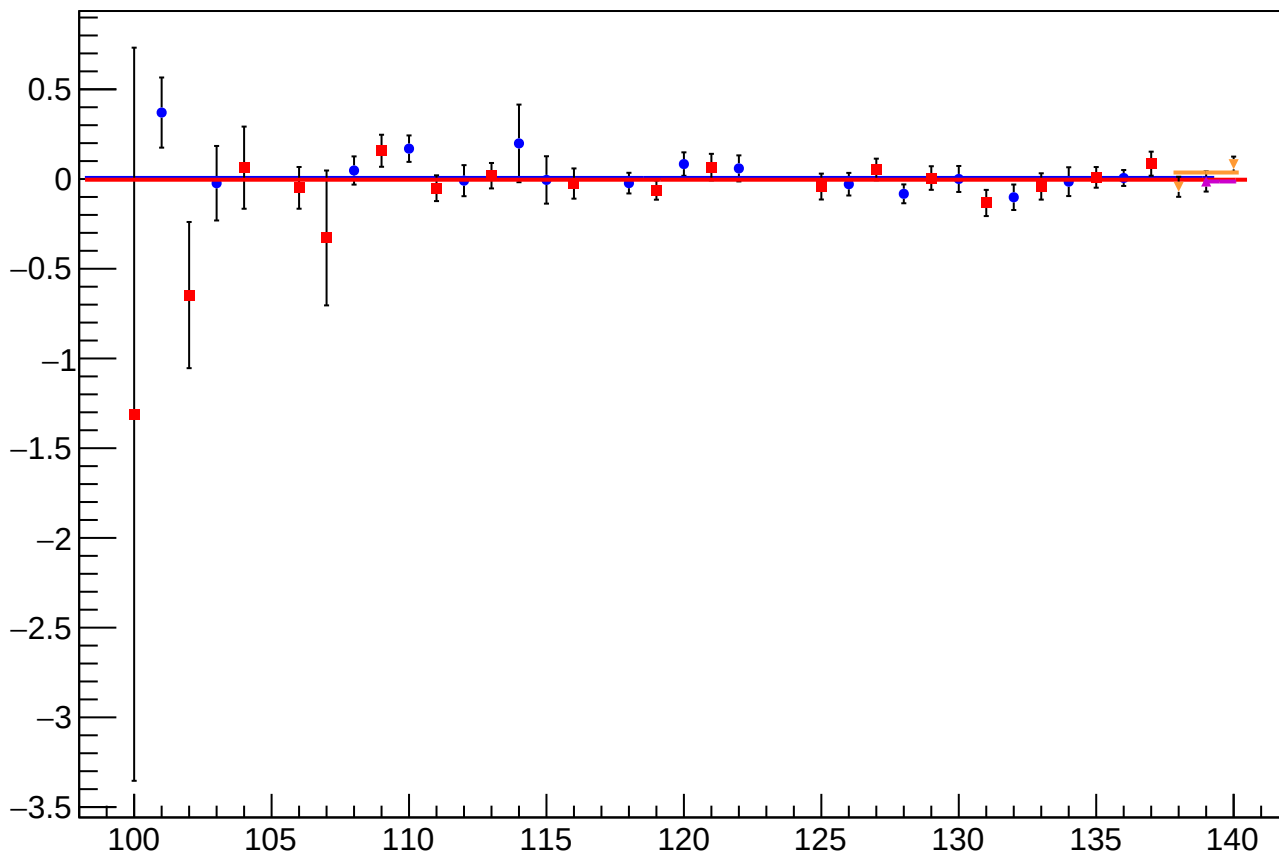
Left In: 48.505+/-0.040 χ^2/NDF : 0.0/0

+ sign 41.163+/-0.011 χ^2/NDF : 1535143.0/17

All: 41.707+/-0.008 χ^2/NDF : 3007854.0/36

- sign 42.363+/-0.012 χ^2/NDF : 1467660.2/18

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.036 $\pm$ 0.034 χ^2 /NDF: 3.2/1

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

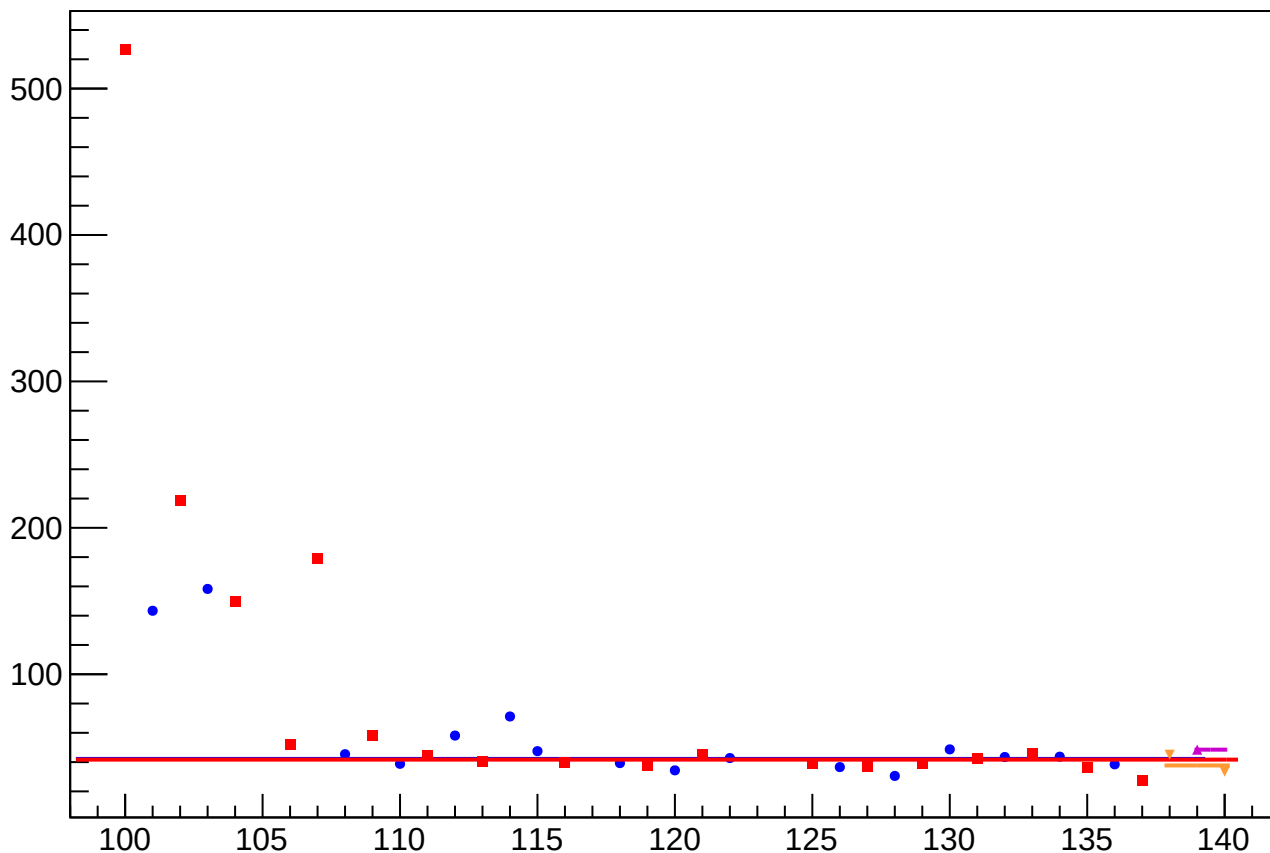
Left In: -0.014 $\pm$ 0.056 χ^2 /NDF: 0.0/0

+ sign 0.013 $\pm$ 0.016 χ^2 /NDF: 21.0/17

All: 0.005 $\pm$ 0.012 χ^2 /NDF: 37.9/36

- sign -0.005 $\pm$ 0.018 χ^2 /NDF: 16.3/18

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF : 1454378.8/15

Left Out: 37.713+/-0.024 χ^2/NDF : 53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF : 1441204.7/17

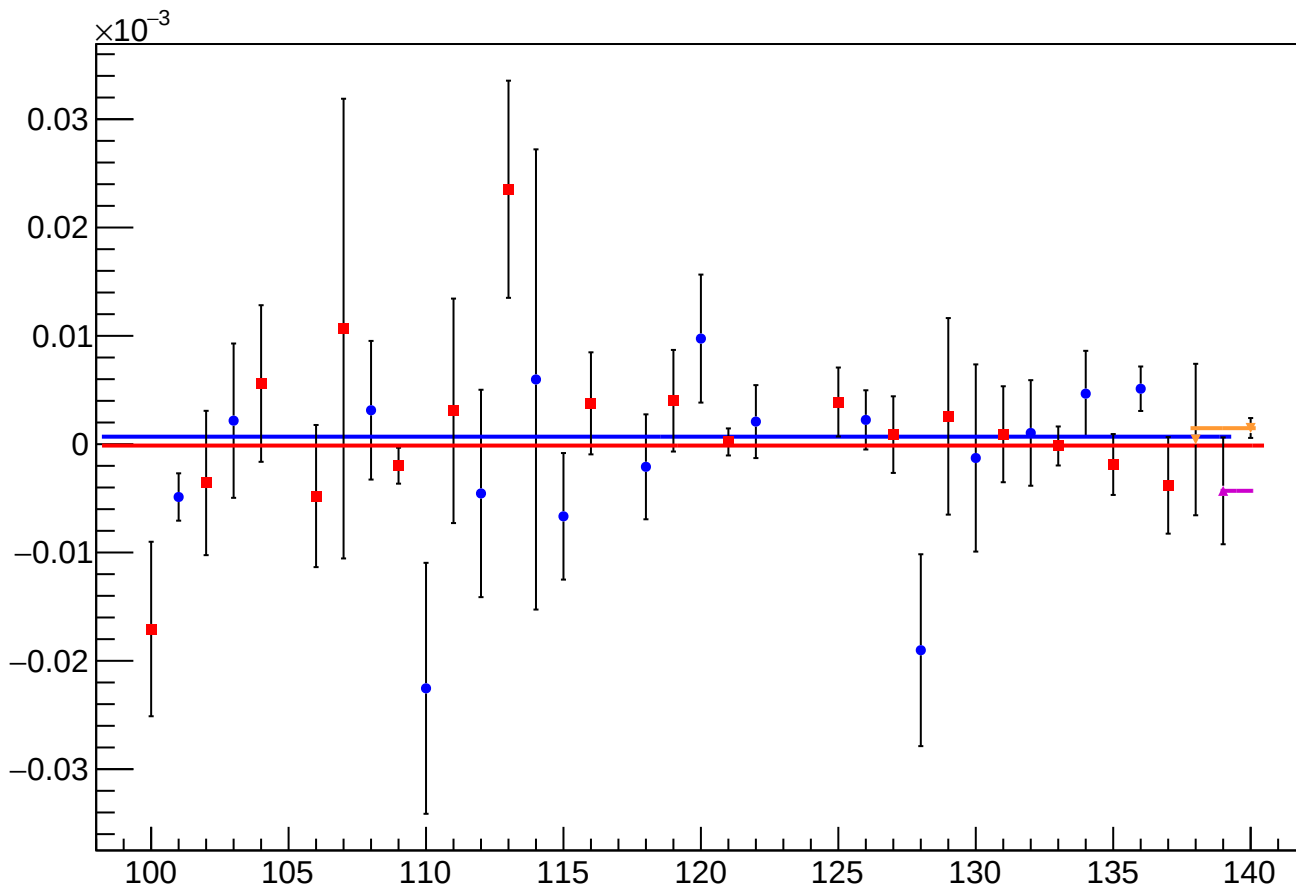
Left In: 48.505+/-0.040 χ^2/NDF : 0.0/0

+ sign 41.163+/-0.011 χ^2/NDF : 1535143.0/17

All: 41.707+/-0.008 χ^2/NDF : 3007854.0/36

- sign 42.363+/-0.012 χ^2/NDF : 1467660.2/18

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.5/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.4/17

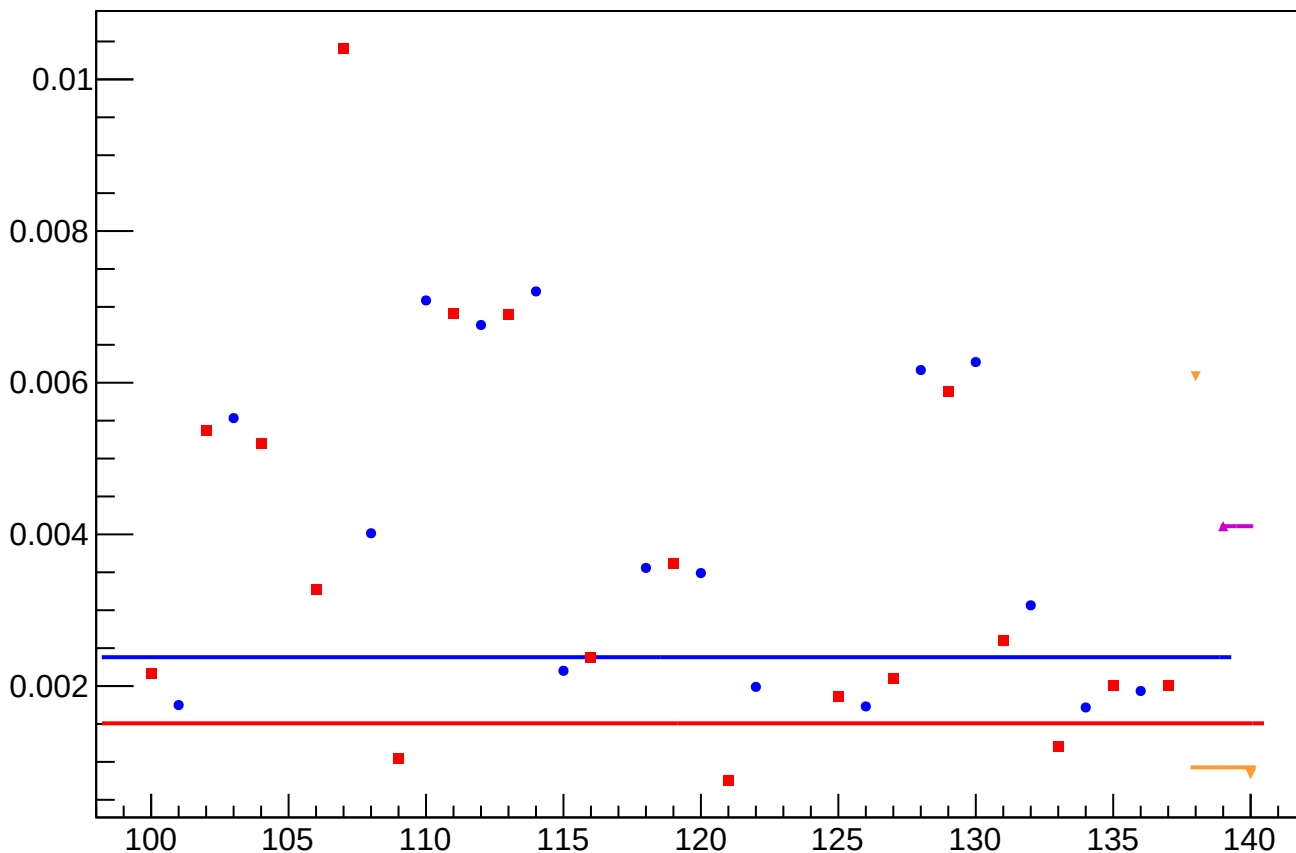
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 26.8/17

All: 0.000 ± 0.000 χ^2/NDF : 46.8/36

- sign -0.000 ± 0.000 χ^2/NDF : 18.1/18

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF : 1107251.9/1

Right Out: 0.002+/-0.000 χ^2/NDF : 5001667.0/17

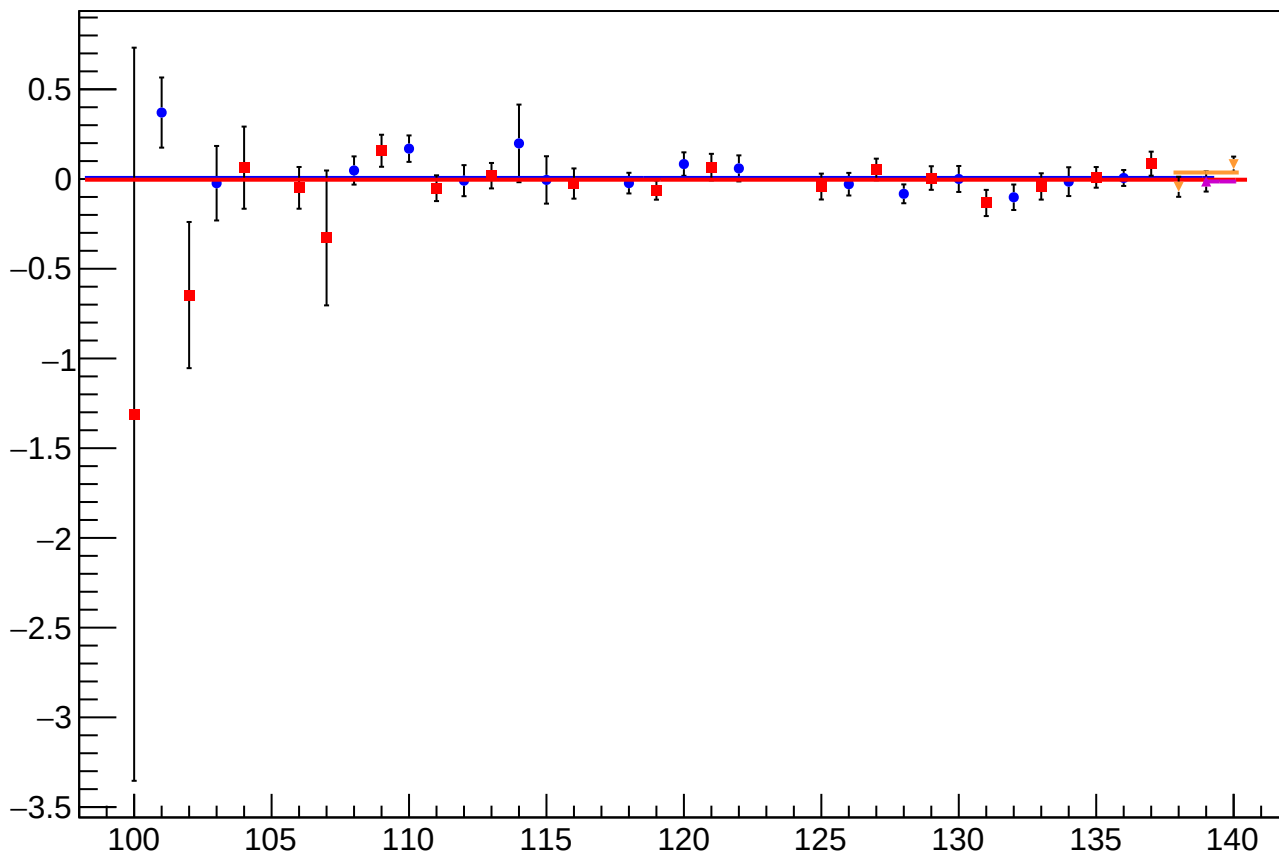
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 6206702.2/17

All: 0.002+/-0.000 χ^2/NDF : 11752370.3/36

- sign 0.002+/-0.000 χ^2/NDF : 5545460.4/18

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.018 χ^2/NDF : 17.2/15

Left Out: 0.036 ± 0.034 χ^2/NDF : 3.2/1

Right Out: -0.004 ± 0.019 χ^2/NDF : 16.3/17

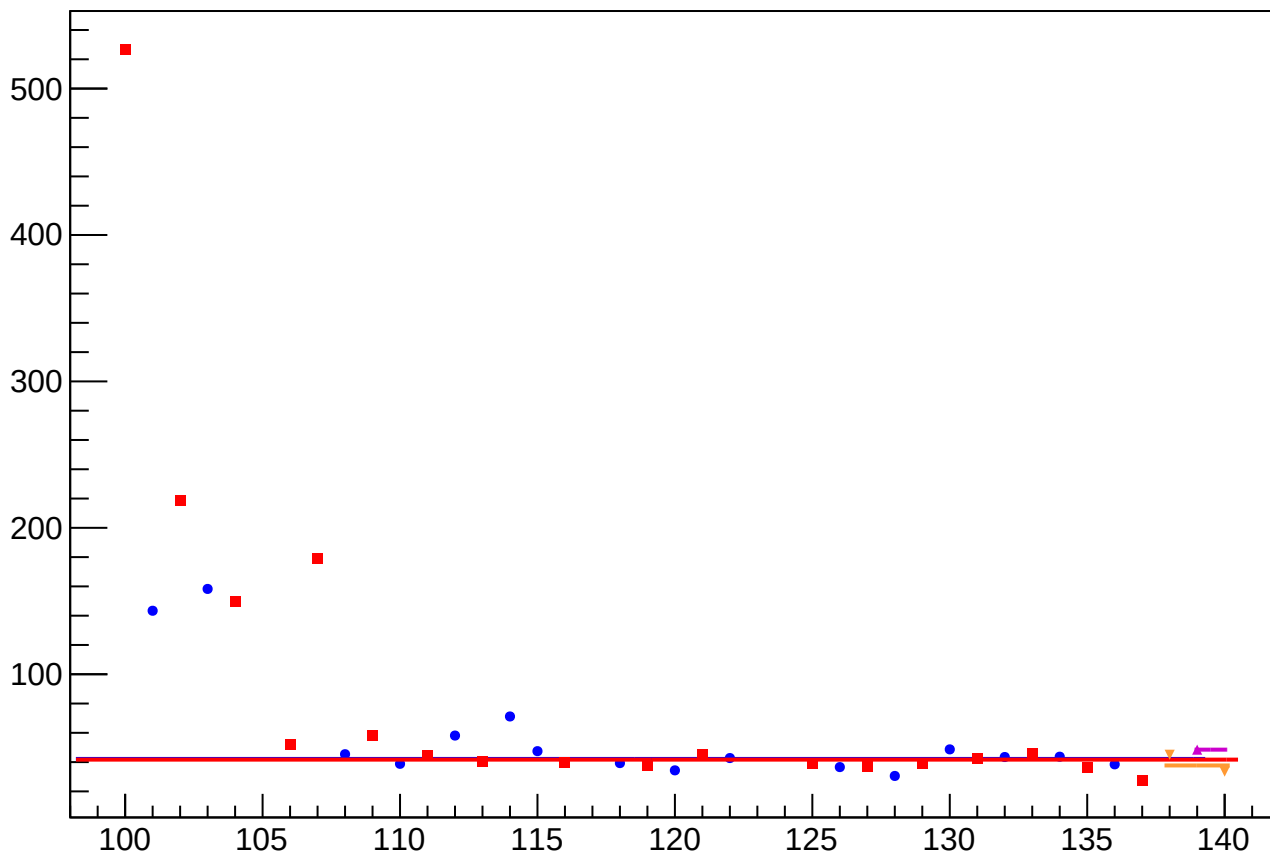
Left In: -0.014 ± 0.056 χ^2/NDF : 0.0/0

+ sign 0.013 ± 0.016 χ^2/NDF : 21.0/17

All: 0.005 ± 0.012 χ^2/NDF : 37.9/36

- sign -0.005 ± 0.018 χ^2/NDF : 16.3/18

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.163+/-0.013 χ^2/NDF : 1454592.8/15

Left Out: 37.713+/-0.024 χ^2/NDF : 53977.3/1

Right Out: 41.692+/-0.013 χ^2/NDF : 1441185.4/17

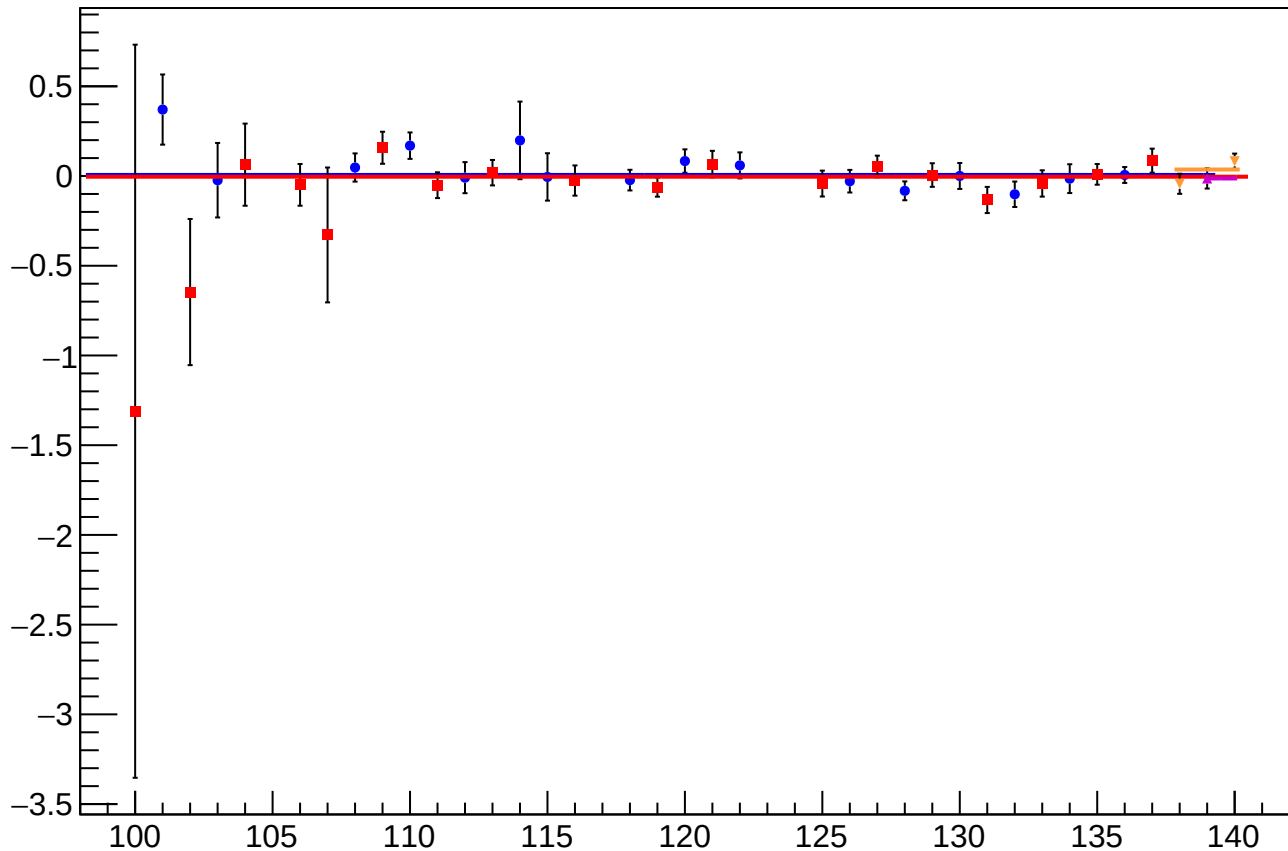
Left In: 48.506+/-0.040 χ^2/NDF : 0.0/0

+ sign 41.161+/-0.011 χ^2/NDF : 1535316.2/17

All: 41.706+/-0.008 χ^2/NDF : 3008030.8/36

- sign 42.363+/-0.012 χ^2/NDF : 1467643.9/18

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.018 χ^2/NDF : 17.2/15

Left Out: 0.036 ± 0.034 χ^2/NDF : 3.2/1

Right Out: -0.004 ± 0.019 χ^2/NDF : 16.3/17

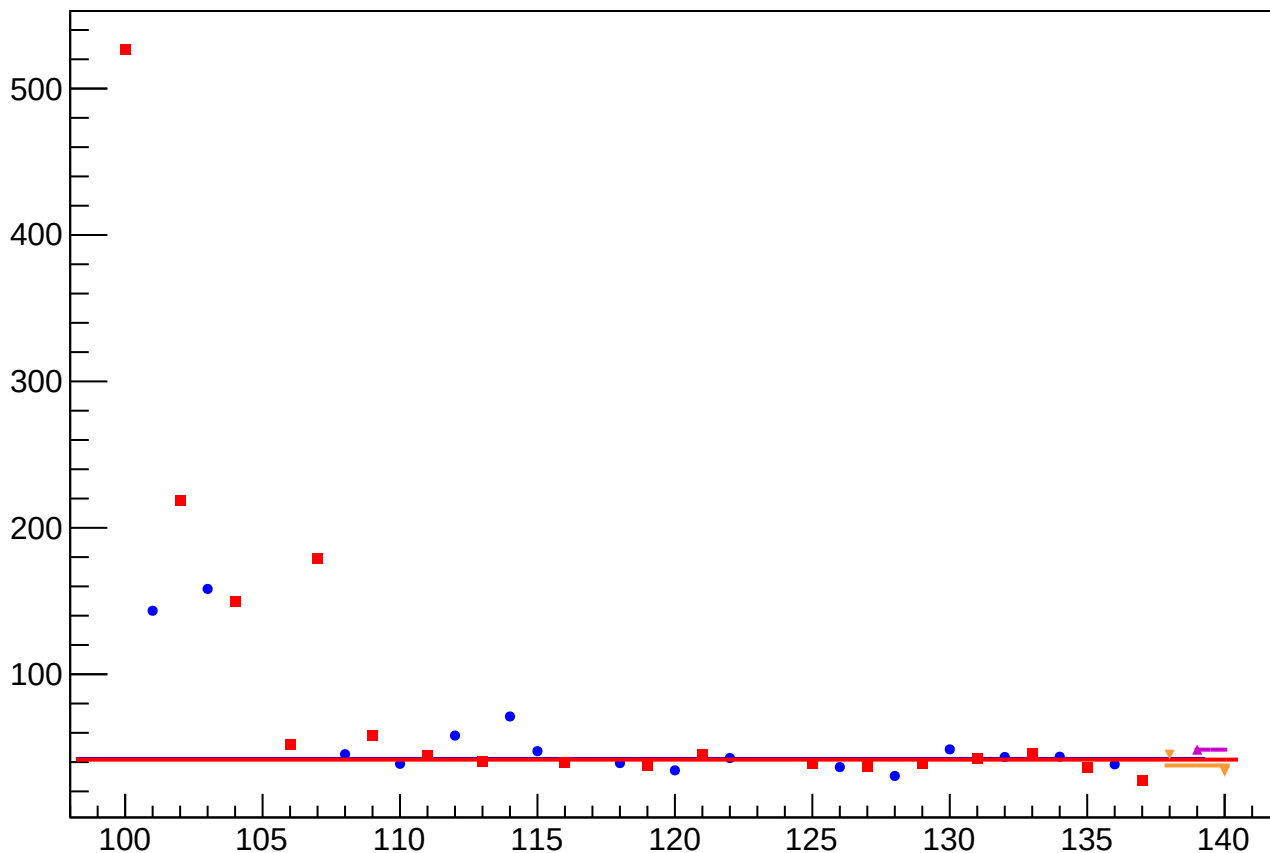
Left In: -0.014 ± 0.056 χ^2/NDF : 0.0/0

+ sign 0.013 ± 0.016 χ^2/NDF : 21.0/17

All: 0.005 ± 0.012 χ^2/NDF : 37.9/36

- sign -0.005 ± 0.018 χ^2/NDF : 16.3/18

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.163+/-0.013 χ^2/NDF : 1454592.8/15

Left Out: 37.713+/-0.024 χ^2/NDF : 53977.3/1

Right Out: 41.692+/-0.013 χ^2/NDF : 1441185.4/17

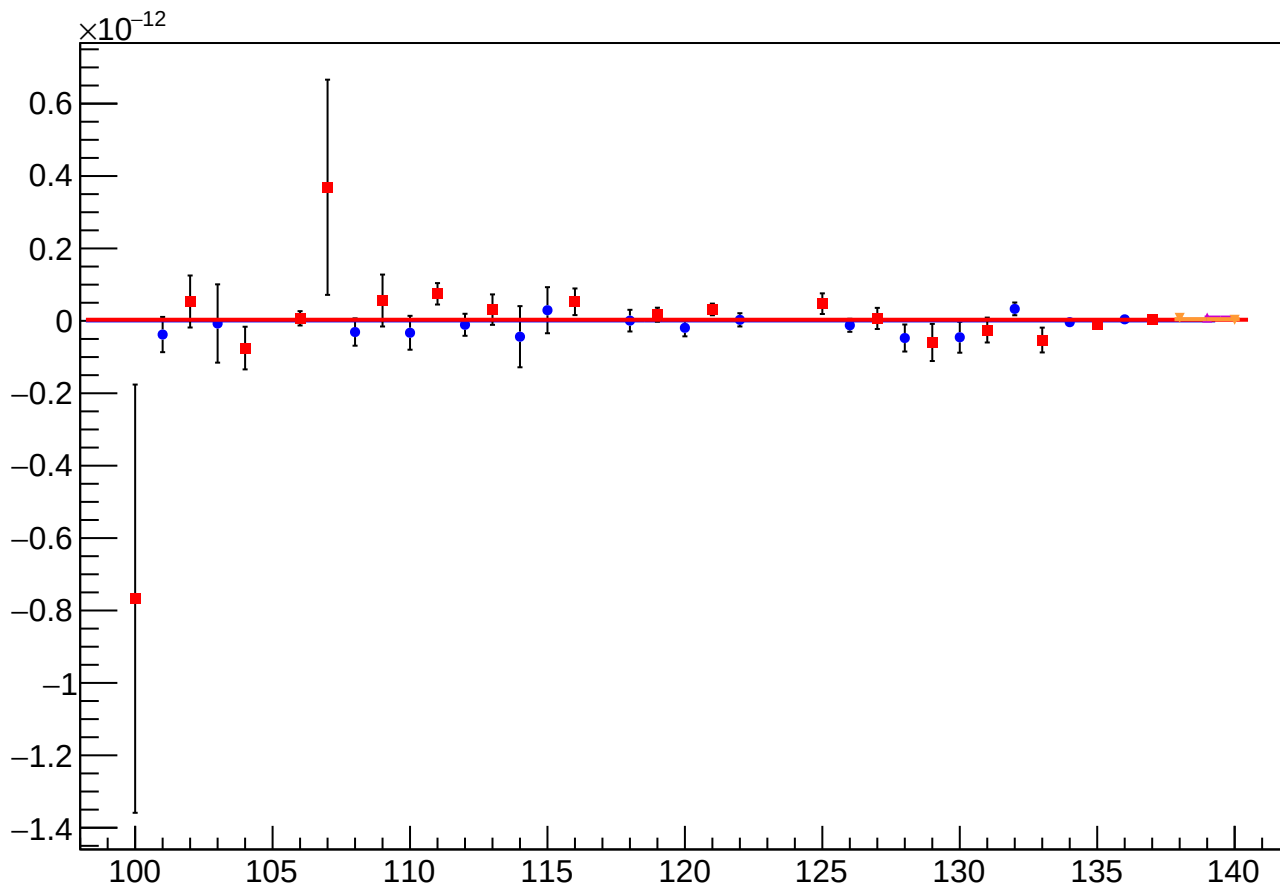
Left In: 48.506+/-0.040 χ^2/NDF : 0.0/0

+ sign 41.161+/-0.011 χ^2/NDF : 1535316.2/17

All: 41.706+/-0.008 χ^2/NDF : 3008030.8/36

- sign 42.363+/-0.012 χ^2/NDF : 1467643.9/18

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug

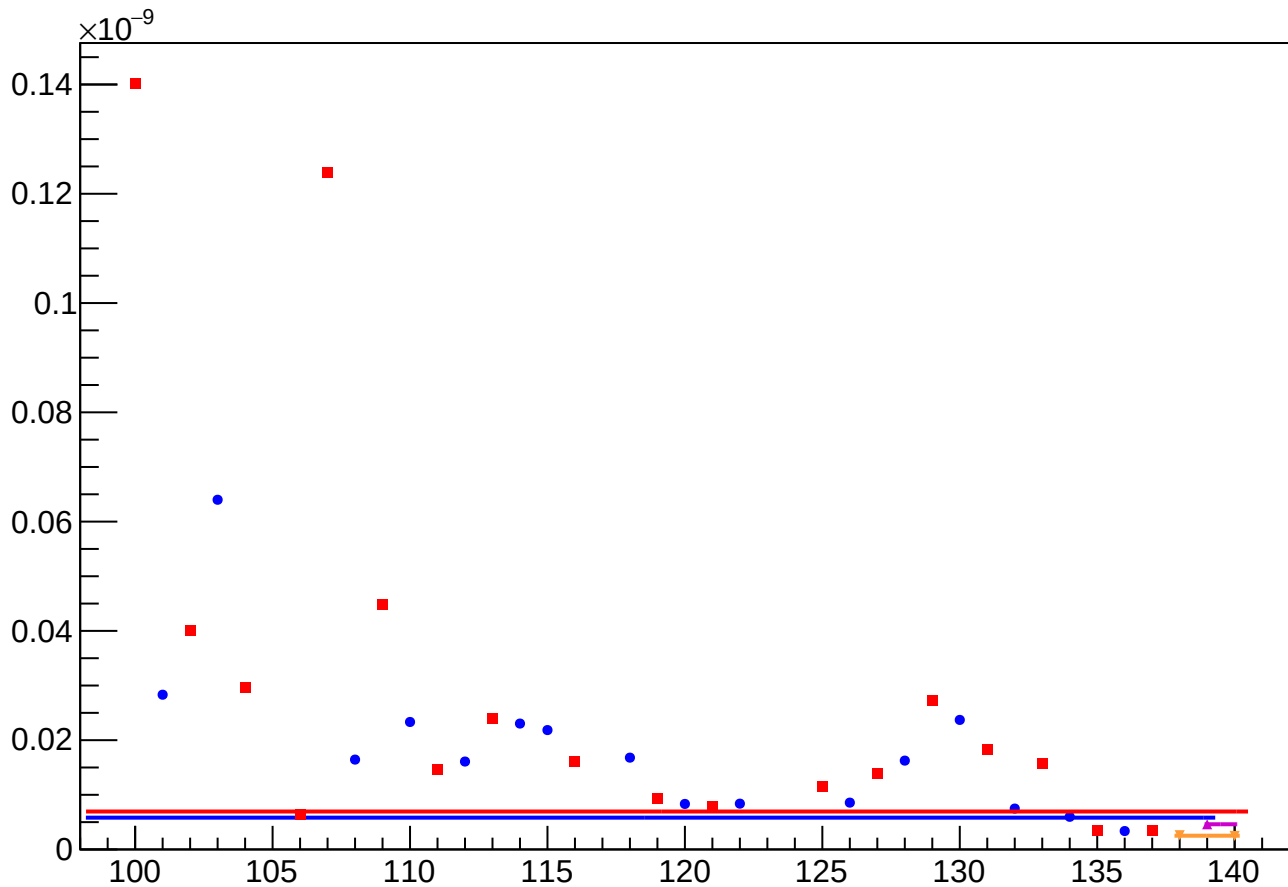


+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 11.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 41.4/36

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 29.3/18

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3296021.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1001.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3789910.8/17

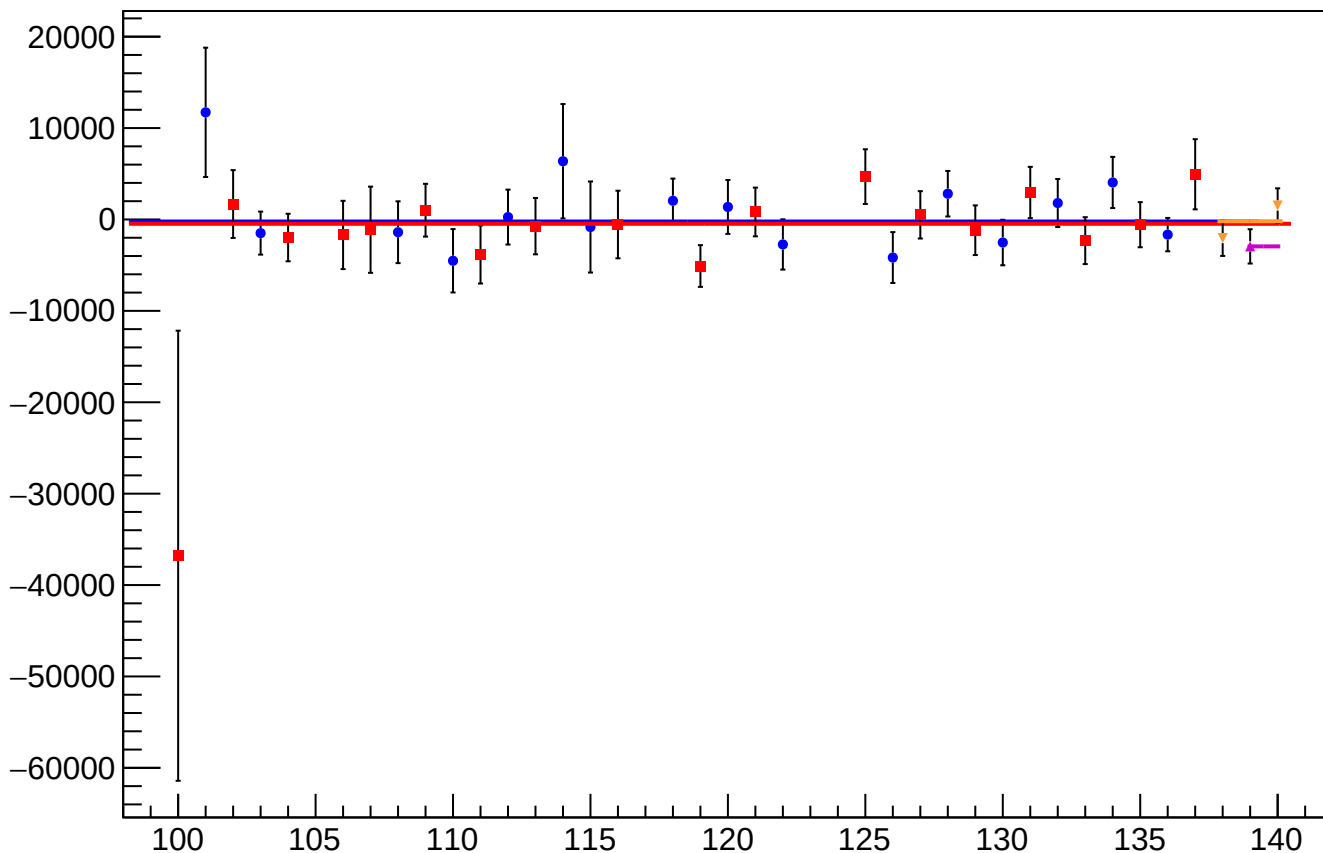
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4257256.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8874344.8/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3942576.6/18

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980 ± 709.150 χ^2/NDF : 15.8/15

Left Out: -195.404 ± 1355.303 χ^2/NDF : 1.7/1

Right Out: -472.410 ± 711.475 χ^2/NDF : 15.9/17

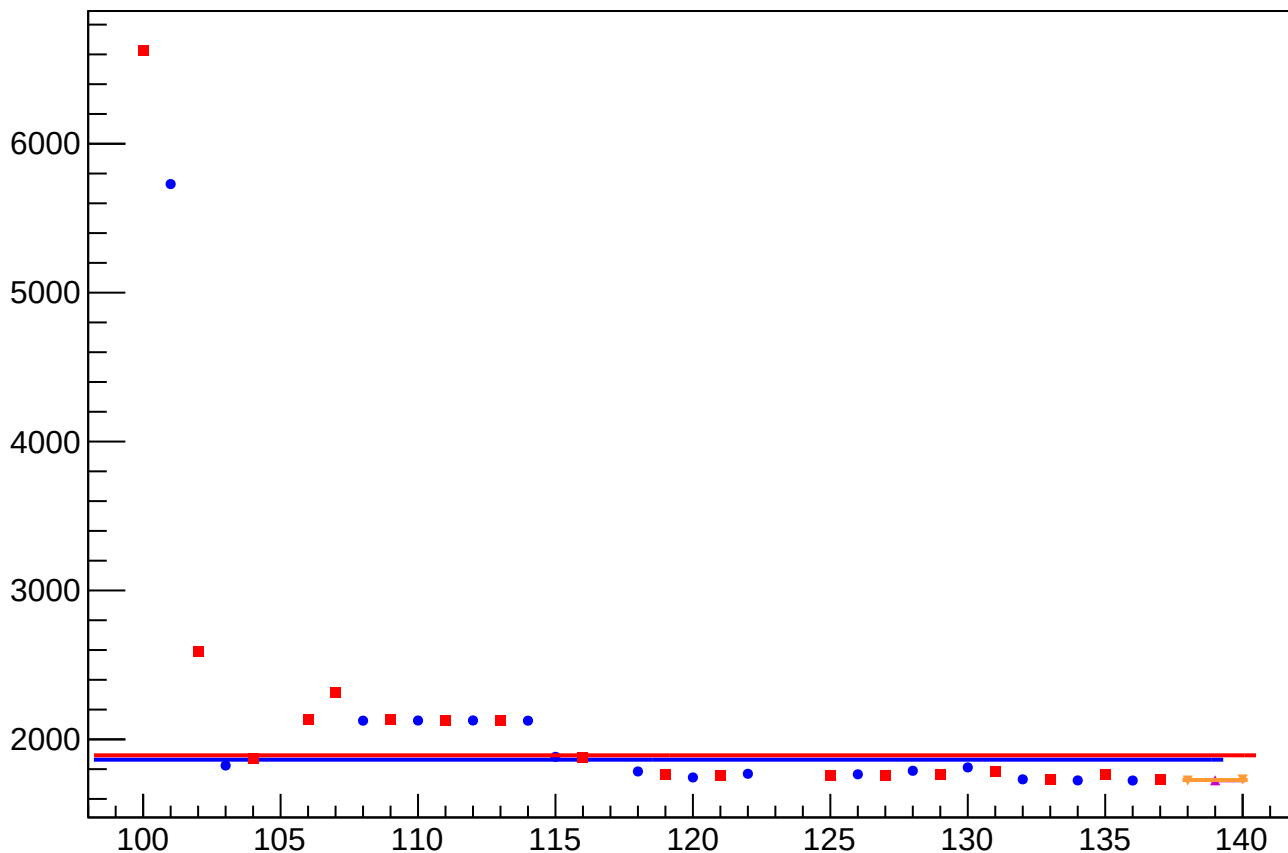
Left In: -2944.330 ± 1874.928 χ^2/NDF : 0.0/0

+ sign -217.053 ± 628.335 χ^2/NDF : 17.6/17

All: -484.174 ± 456.774 χ^2/NDF : 35.3/36

- sign -783.553 ± 665.193 χ^2/NDF : 17.4/18

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF : 674665.6/15

Left Out: 1727.011+/-0.958 χ^2/NDF : 15.1/1

Right Out: 1892.866+/-0.503 χ^2/NDF : 251512.9/17

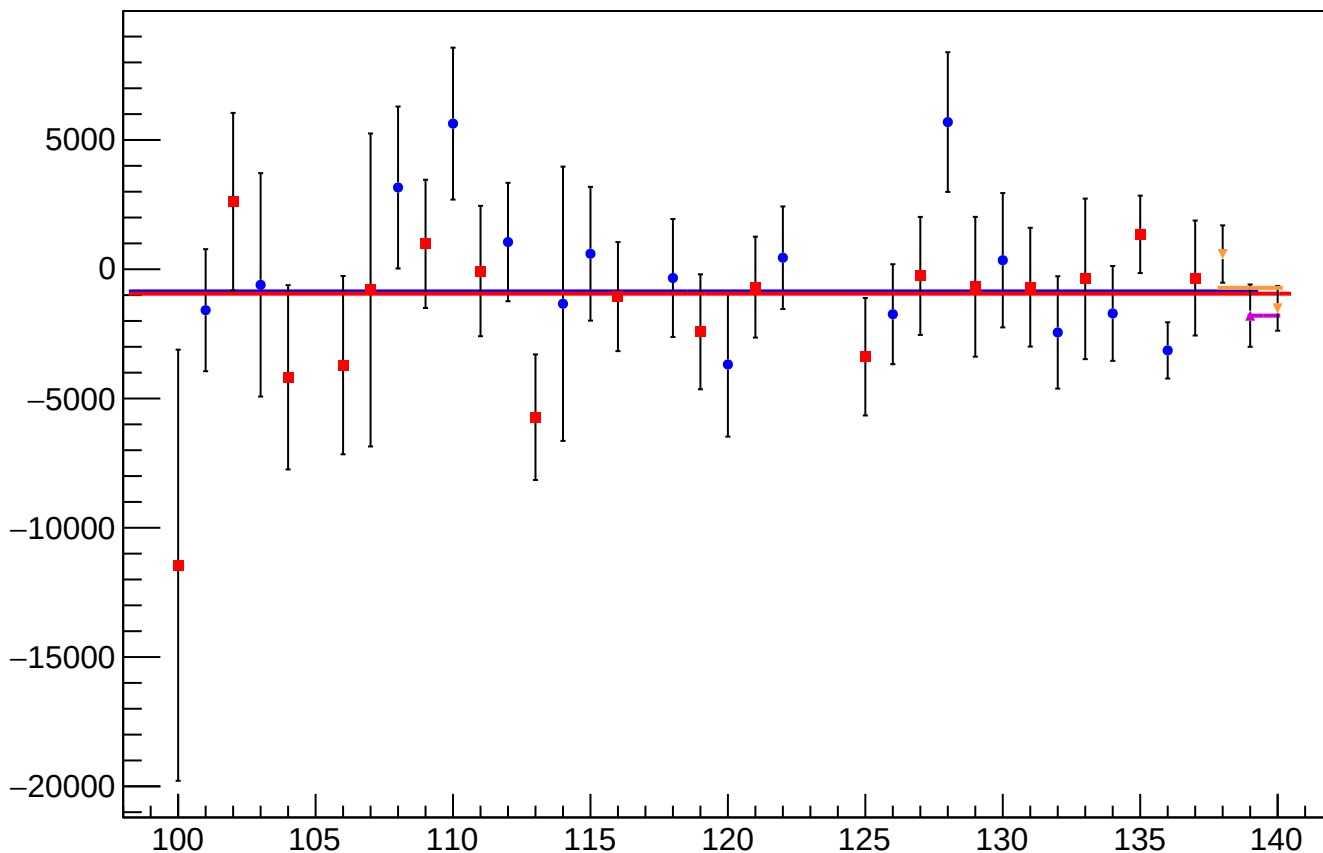
Left In: 1725.151+/-1.326 χ^2/NDF : 0.0/0

+ sign 1834.227+/-0.444 χ^2/NDF : 690623.7/17

All: 1851.923+/-0.323 χ^2/NDF : 959489.4/36

- sign 1871.755+/-0.470 χ^2/NDF : 265501.6/18

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



Right In: -857.294+/-549.791 χ^2/NDF : 20.6/15

Left Out: -720.373+/-681.218 χ^2/NDF : 2.2/1

Right Out: -944.718+/-583.967 χ^2/NDF : 12.9/17

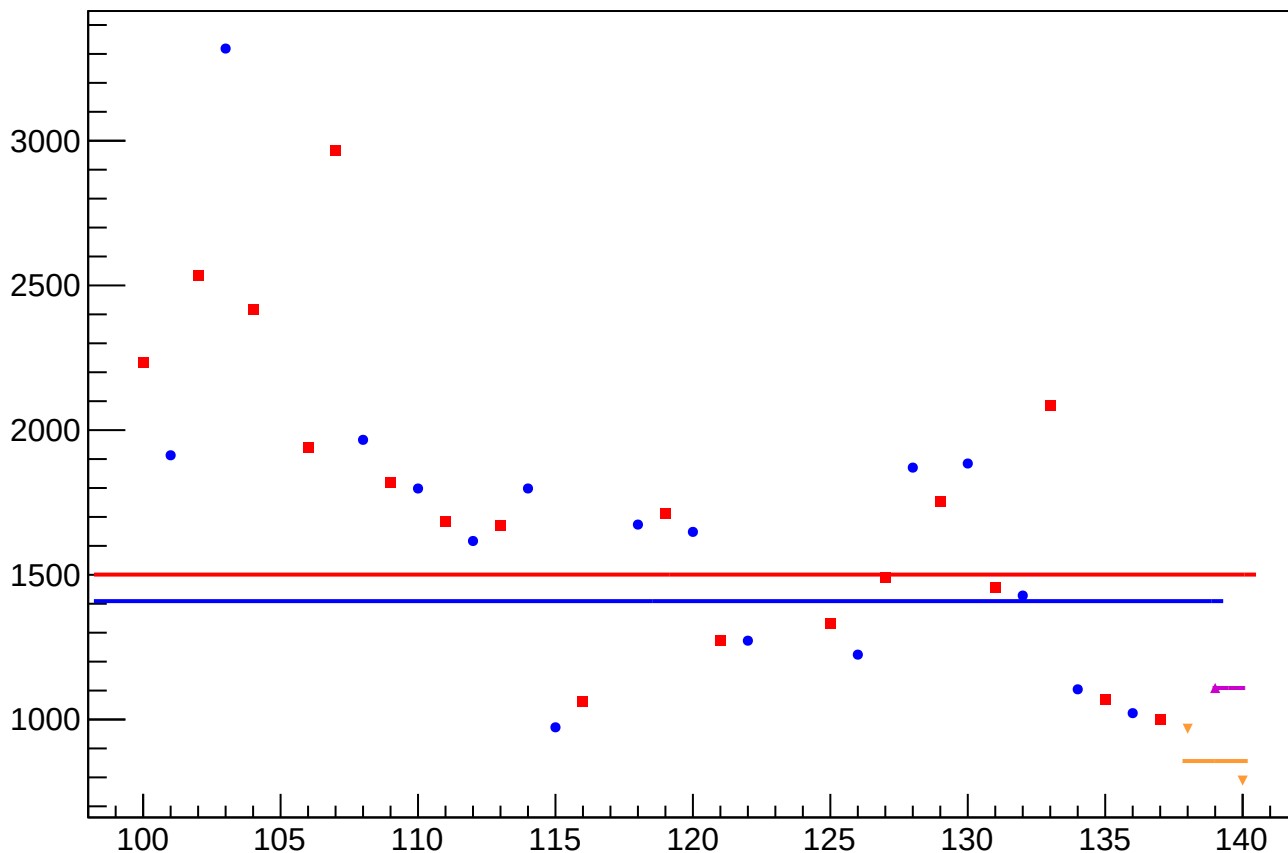
Left In: -1794.581+/-1206.038 χ^2/NDF : 0.0/0

+ sign -803.287+/-427.835 χ^2/NDF : 22.9/17

All: -923.978+/-331.805 χ^2/NDF : 36.4/36

- sign -1106.127+/-525.595 χ^2/NDF : 13.3/18

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF : 1167706.6/15

Left Out: 856.481+/-0.482 χ^2/NDF : 32554.9/1

Right Out: 1500.801+/-0.413 χ^2/NDF : 1030768.2/17

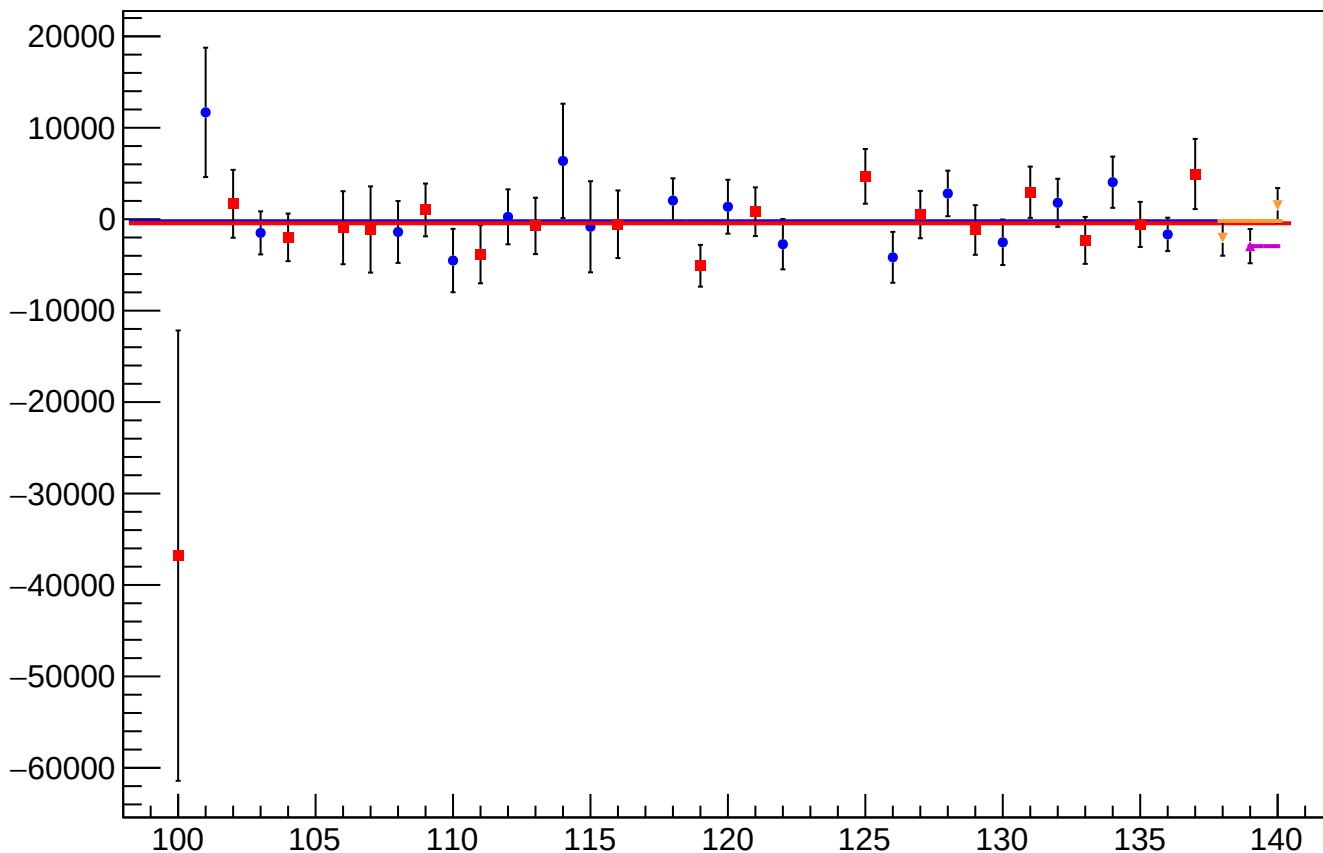
Left In: 1108.893+/-0.853 χ^2/NDF : 0.0/0

+ sign 1191.123+/-0.303 χ^2/NDF : 1997264.3/17

All: 1284.875+/-0.235 χ^2/NDF : 3440094.2/30

- sign 1426.368+/-0.372 χ^2/NDF : 1201849.3/18

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754 $\pm$ 709.151 χ^2 /NDF: 15.8/15

Left Out: -195.332 $\pm$ 1355.303 χ^2 /NDF:1.7/1

Right Out: -443.022 $\pm$ 713.098 χ^2 /NDF: 15.8/17

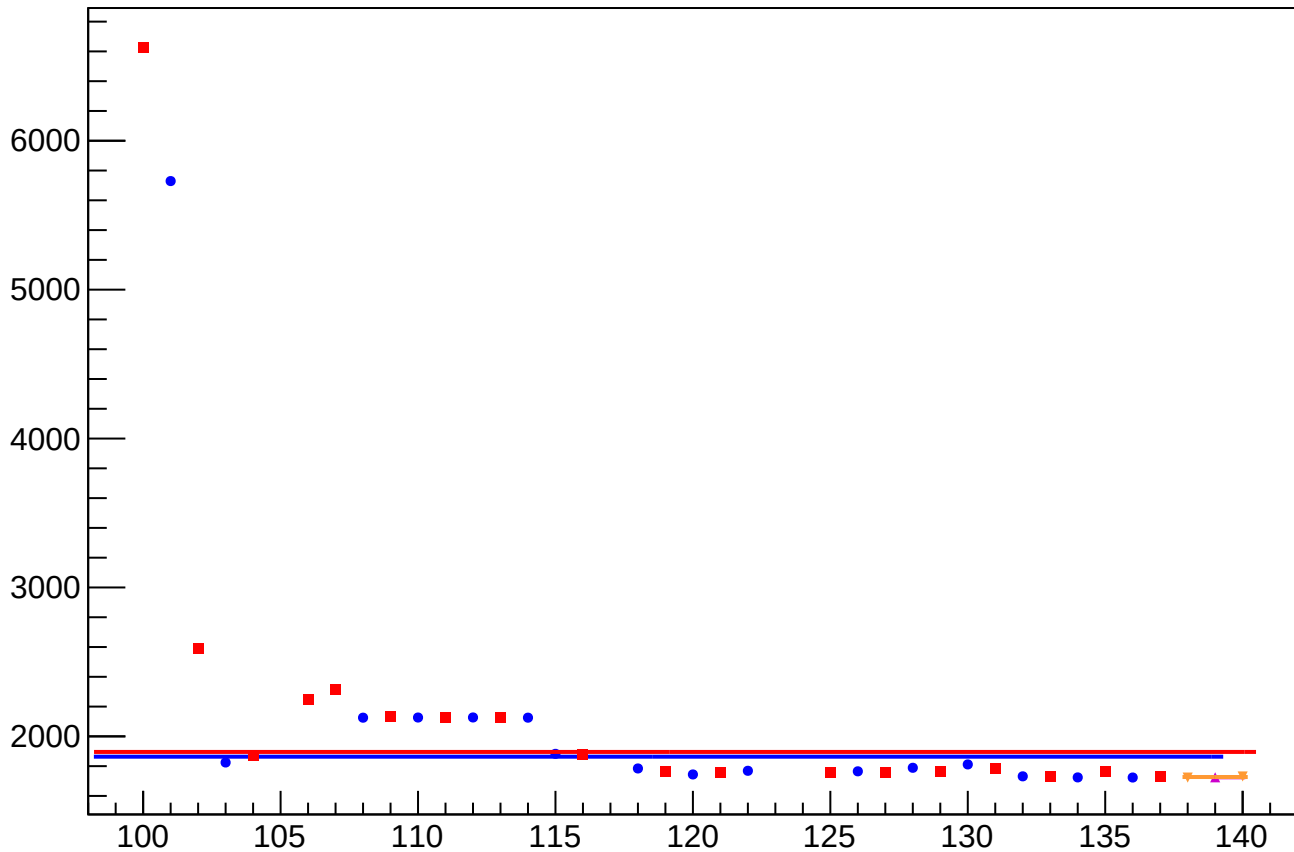
Left In: -2944.230 $\pm$ 1874.928 χ^2 /NDF:0.0/0

+ sign -217.645 $\pm$ 628.335 χ^2 /NDF: 17.5/17

All: -472.423 $\pm$ 457.203 χ^2 /NDF: 35.2/36

- sign -759.108 $\pm$ 666.519 χ^2 /NDF: 17.3/18

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF : 674665.4/15

Left Out: 1727.011+/-0.958 χ^2/NDF : 15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF : 259171.7/17

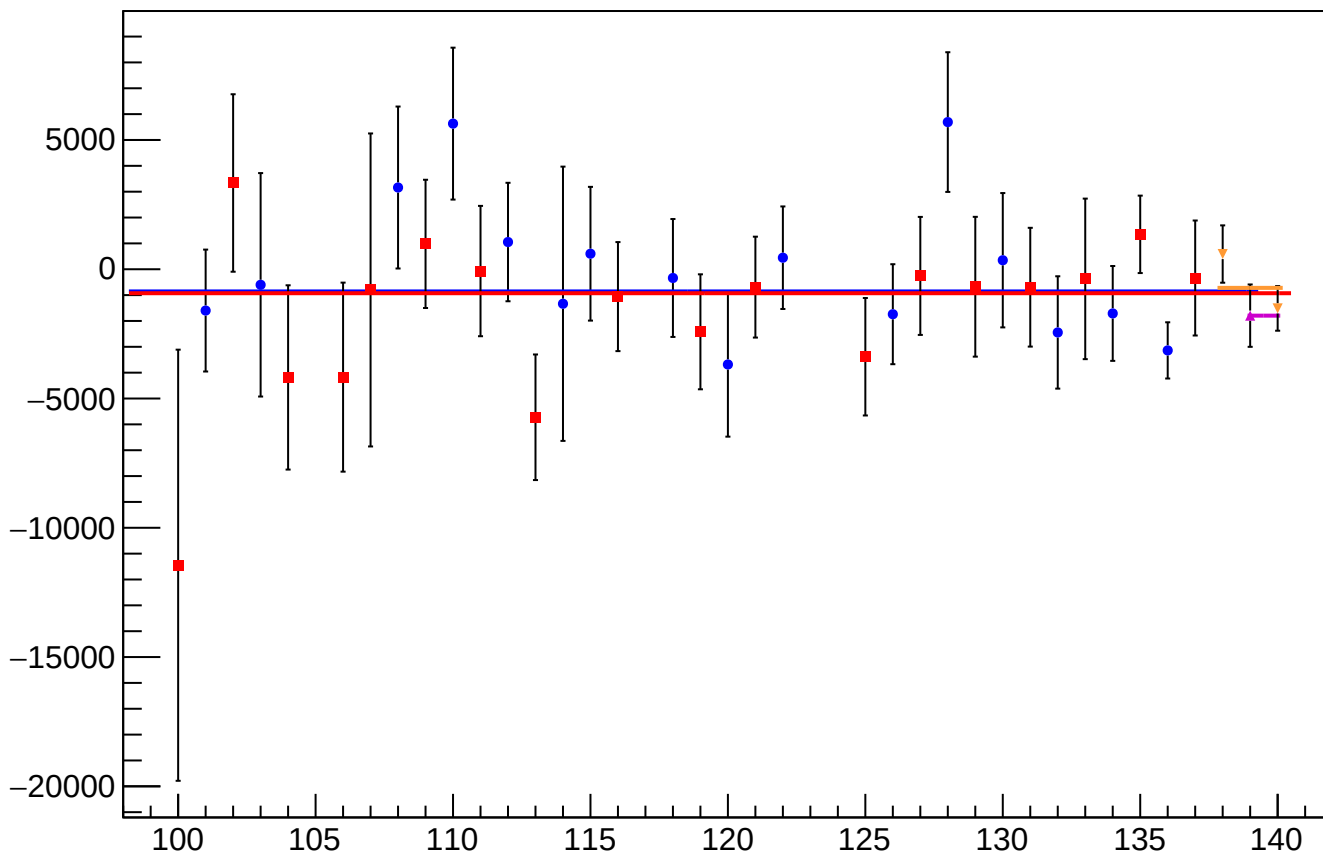
Left In: 1725.151+/-1.326 χ^2/NDF : 0.0/0

+ sign 1834.227+/-0.444 χ^2/NDF : 690623.6/17

All: 1852.925+/-0.323 χ^2/NDF : 967981.2/36

- sign 1873.965+/-0.471 χ^2/NDF : 273593.5/18

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



Right In: -858.115+/-549.748 χ^2/NDF : 20.6/15

Left Out: -720.454+/-681.223 χ^2/NDF : 2.2/1

Right Out: -927.191+/-584.886 χ^2/NDF : 13.5/17

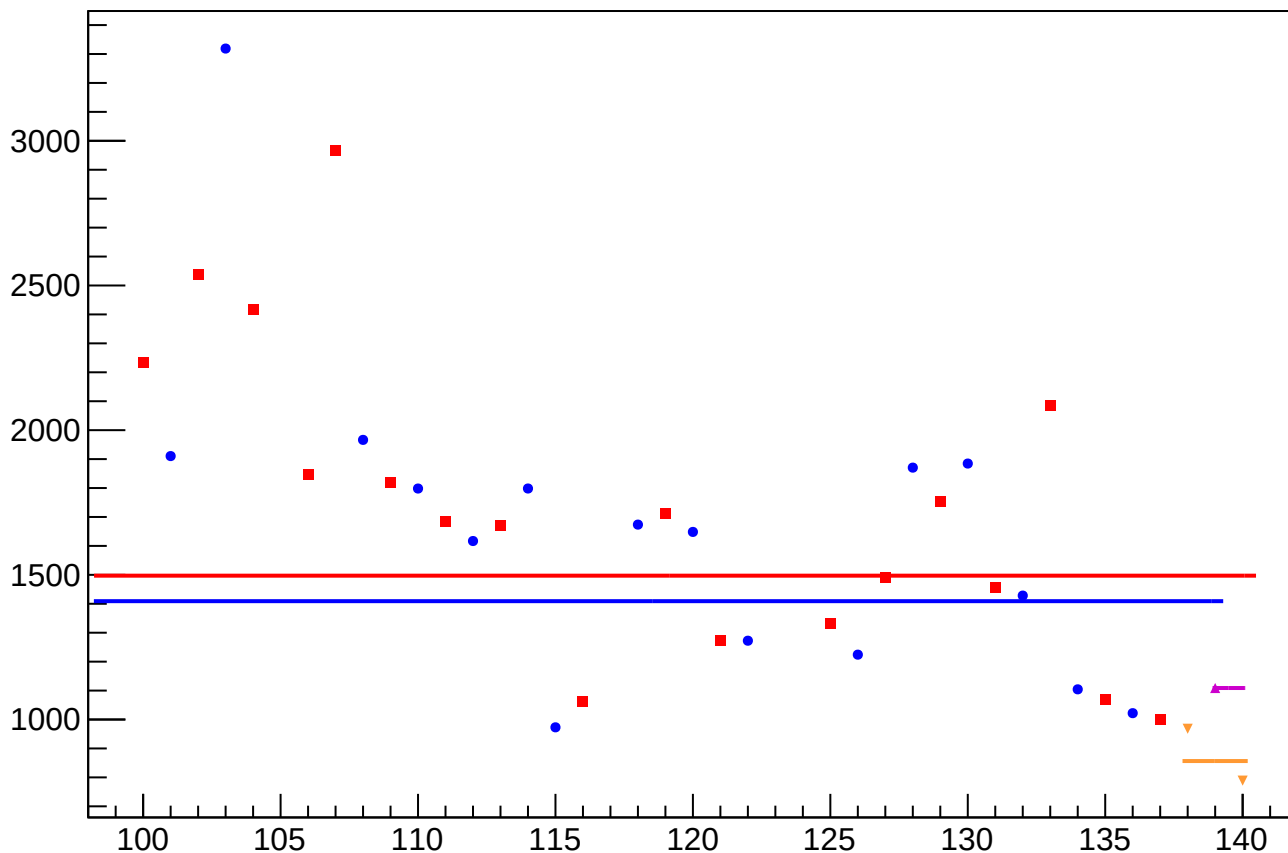
Left In: -1794.752+/-1206.021 χ^2/NDF : 0.0/0

+ sign -803.822+/-427.816 χ^2/NDF : 22.9/17

All: -918.642+/-331.964 χ^2/NDF : 37.0/36

- sign -1092.386+/-526.263 χ^2/NDF : 13.9/18

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018+/-0.389 χ^2/NDF : 1167065.5/15

Left Out: 856.489+/-0.482 χ^2/NDF : 32545.1/1

Right Out: 1497.149+/-0.414 χ^2/NDF : 1018123.6/17

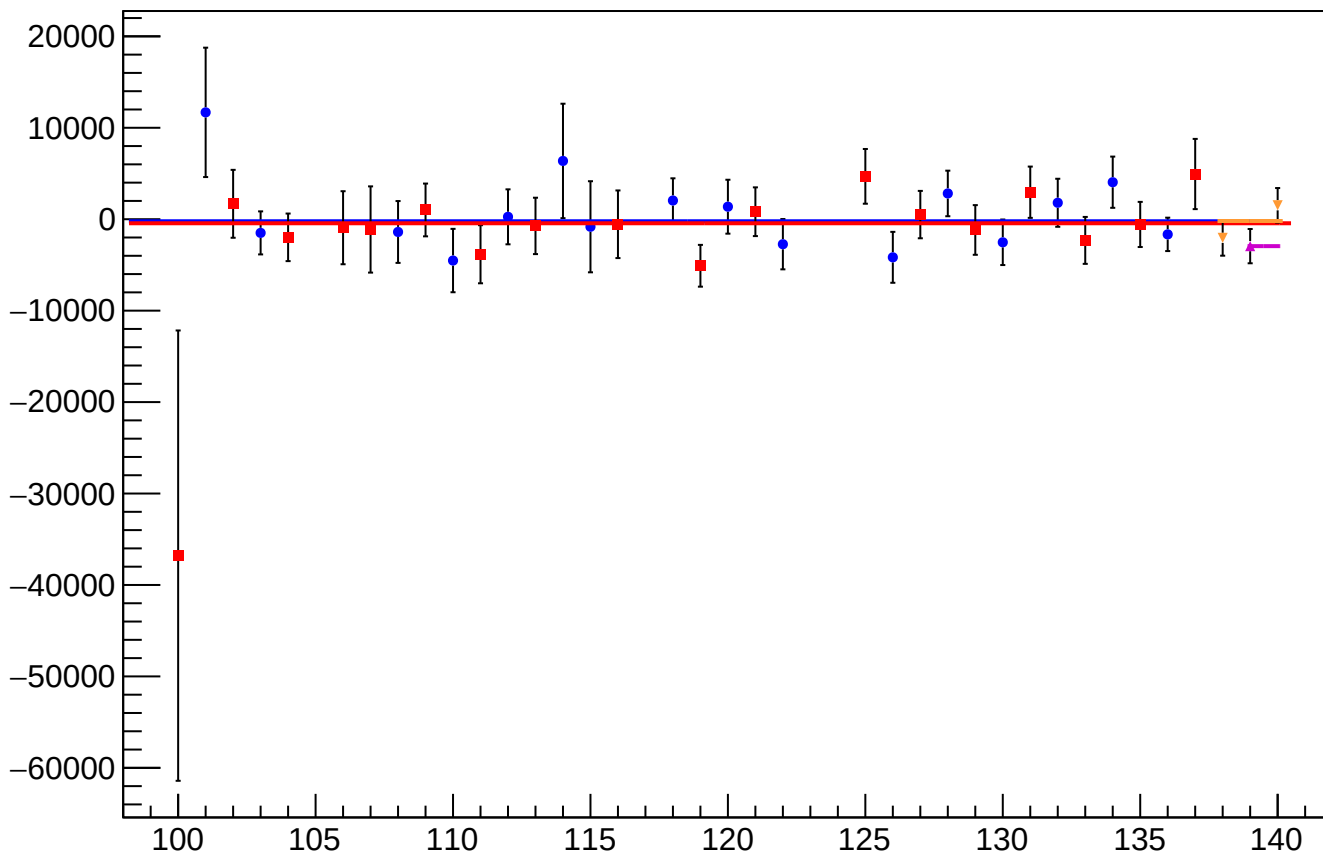
Left In: 1108.877+/-0.853 χ^2/NDF : 0.0/0

+ sign 1191.101+/-0.303 χ^2/NDF : 1996409.3/17

All: 1283.460+/-0.235 χ^2/NDF : 3416617.9/30

- sign 1423.217+/-0.372 χ^2/NDF : 1185947.9/18

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF : 15.8/15

Left Out: -195.332+/-1355.303 χ^2/NDF : 1.7/1

Right Out: -443.022+/-713.098 χ^2/NDF : 15.8/17

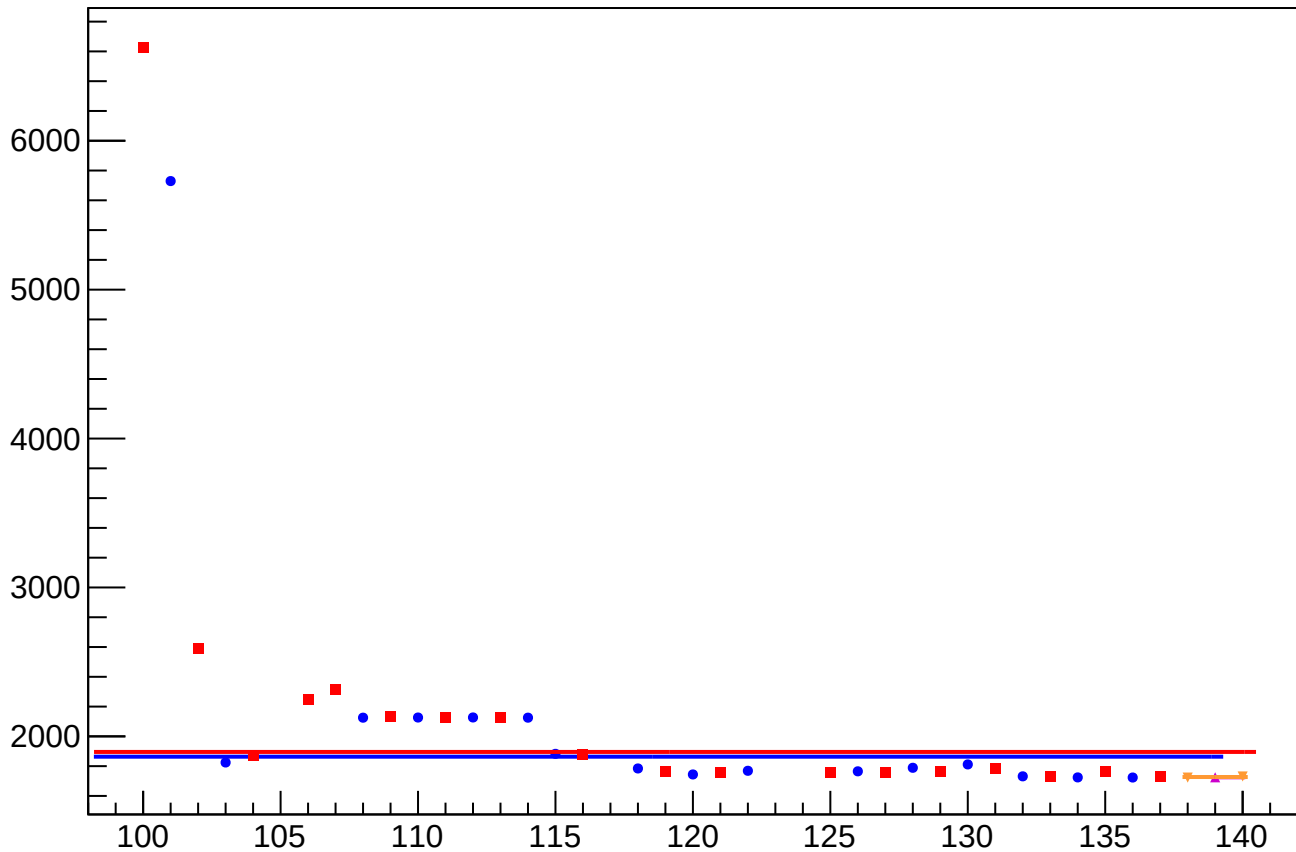
Left In: -2944.230+/-1874.928 χ^2/NDF : 0.0/0

+ sign -217.645+/-628.335 χ^2/NDF : 17.5/17

All: -472.423+/-457.203 χ^2/NDF : 35.2/36

- sign -759.108+/-666.519 χ^2/NDF : 17.3/18

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: 1727.011+/-0.958 χ^2/NDF : 15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF : 259171.7/17

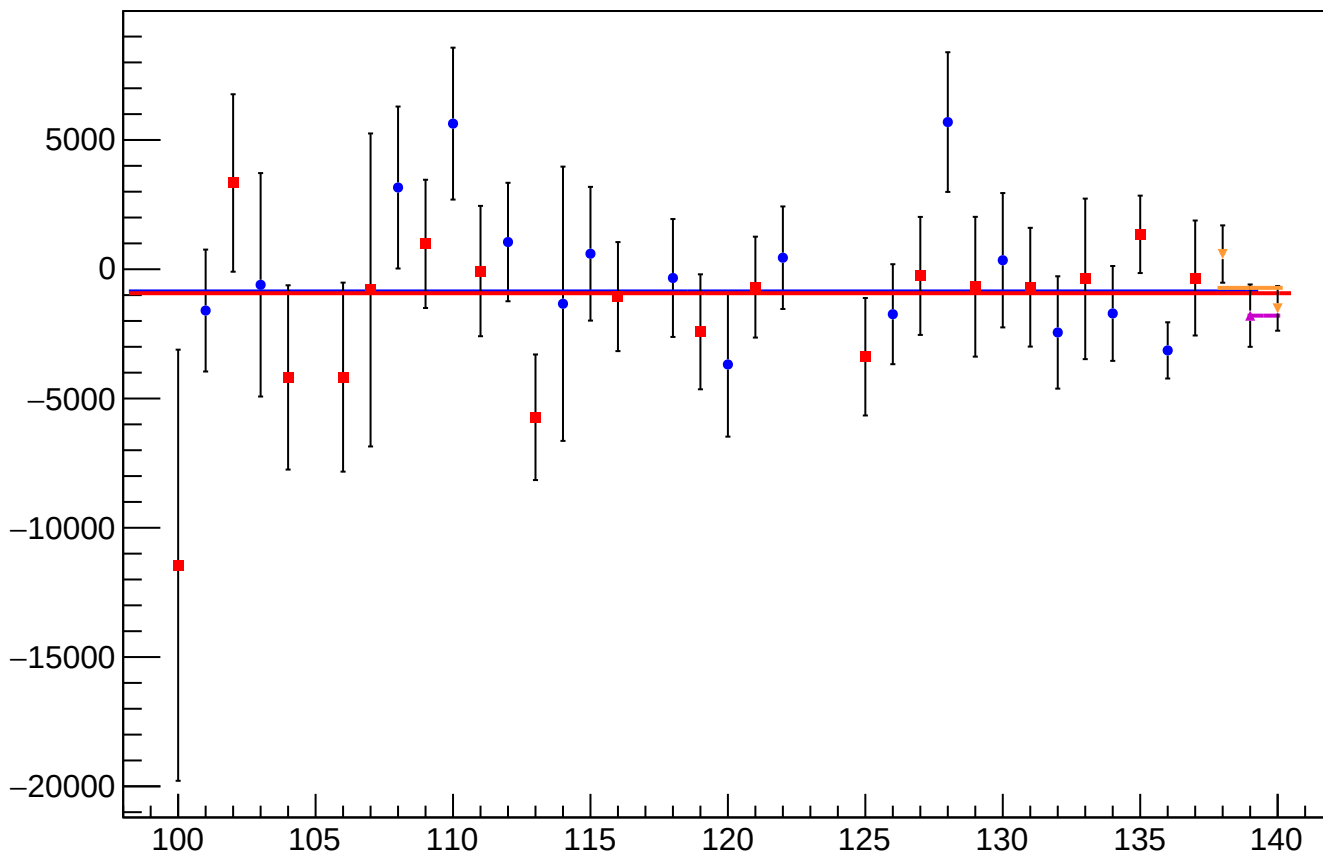
Left In: 1725.151+/-1.326 χ^2/NDF : 0.0/0

+ sign 1834.227+/-0.444 χ^2/NDF : 690623.6/17

All: 1852.925+/-0.323 χ^2/NDF : 967981.2/36

- sign 1873.965+/-0.471 χ^2/NDF : 273593.5/18

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -858.115+/-549.748 χ^2/NDF : 20.6/15

Left Out: -720.454+/-681.223 χ^2/NDF : 2.2/1

Right Out: -927.191+/-584.886 χ^2/NDF : 13.5/17

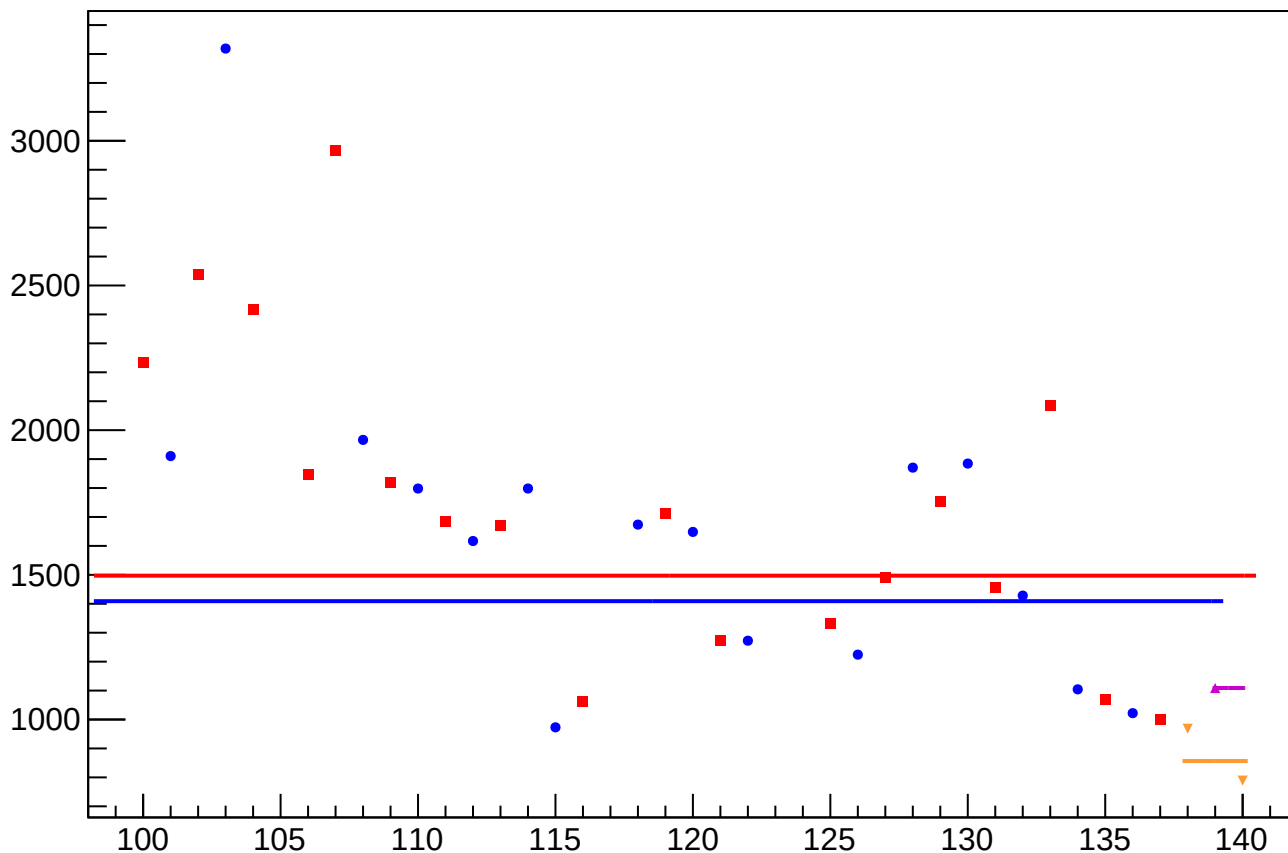
Left In: -1794.752+/-1206.021 χ^2/NDF : 0.0/0

+ sign -803.822+/-427.816 χ^2/NDF : 22.9/17

All: -918.642+/-331.964 χ^2/NDF : 37.0/36

- sign -1092.386+/-526.263 χ^2/NDF : 13.9/18

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1409.018 $\pm$ 0.389 χ^2 /NDF: 1167065.5/15

Left Out: 856.489 $\pm$ 0.482 χ^2 /NDF: 32545.1/1

Right Out: 1497.149 $\pm$ 0.414 χ^2 /NDF: 1018123.6/17

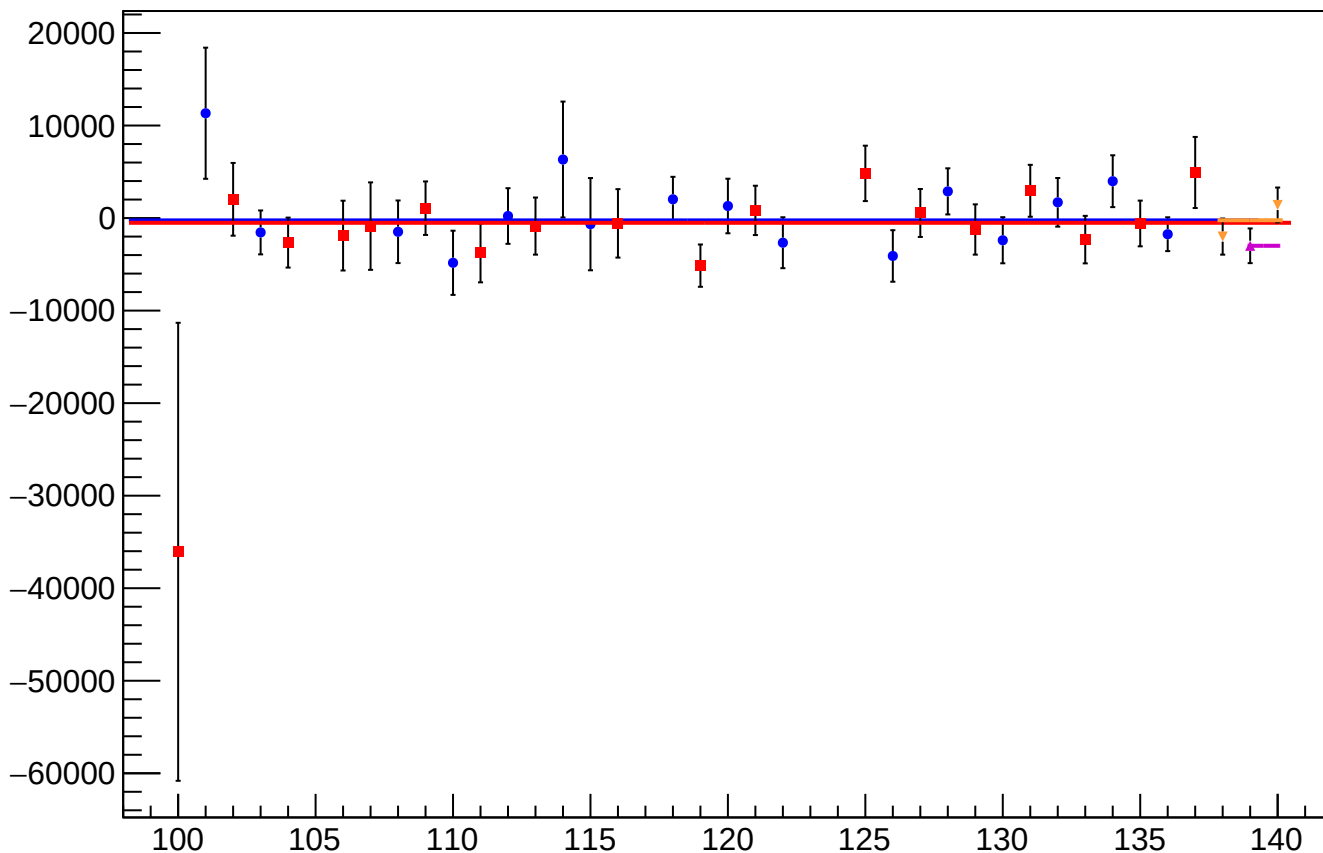
Left In: 1108.877 $\pm$ 0.853 χ^2 /NDF: 0.0/0

+ sign 1191.101 $\pm$ 0.303 χ^2 /NDF: 1996409.3/17

All: 1283.460 $\pm$ 0.235 χ^2 /NDF: 3416617.9/30

- sign 1423.217 $\pm$ 0.372 χ^2 /NDF: 1185947.9/18

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024 $\pm$ 709.973 χ^2 /NDF: 15.6/15

Left Out: -235.070 $\pm$ 1356.445 χ^2 /NDF:1.6/1

Right Out: -510.117 $\pm$ 715.442 χ^2 /NDF: 16.4/17

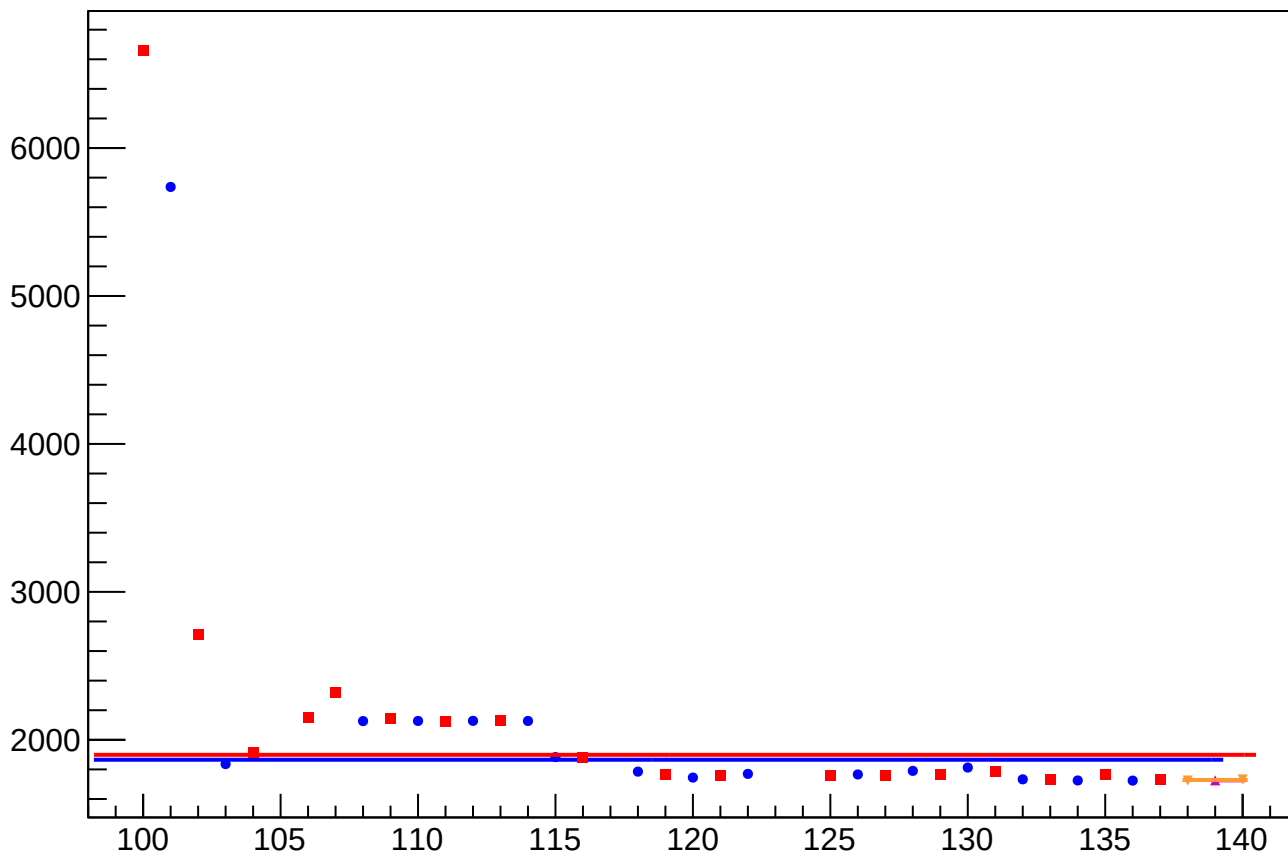
Left In: -2995.792 $\pm$ 1875.866 χ^2 /NDF:0.0/0

+ sign -248.378 $\pm$ 629.020 χ^2 /NDF: 17.2/17

All: -519.533 $\pm$ 458.098 χ^2 /NDF: 35.6/36

- sign -825.770 $\pm$ 668.474 χ^2 /NDF: 17.9/18

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF : 674989.6/15

Left Out: 1728.466+/-0.959 χ^2/NDF : 14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF : 269110.1/17

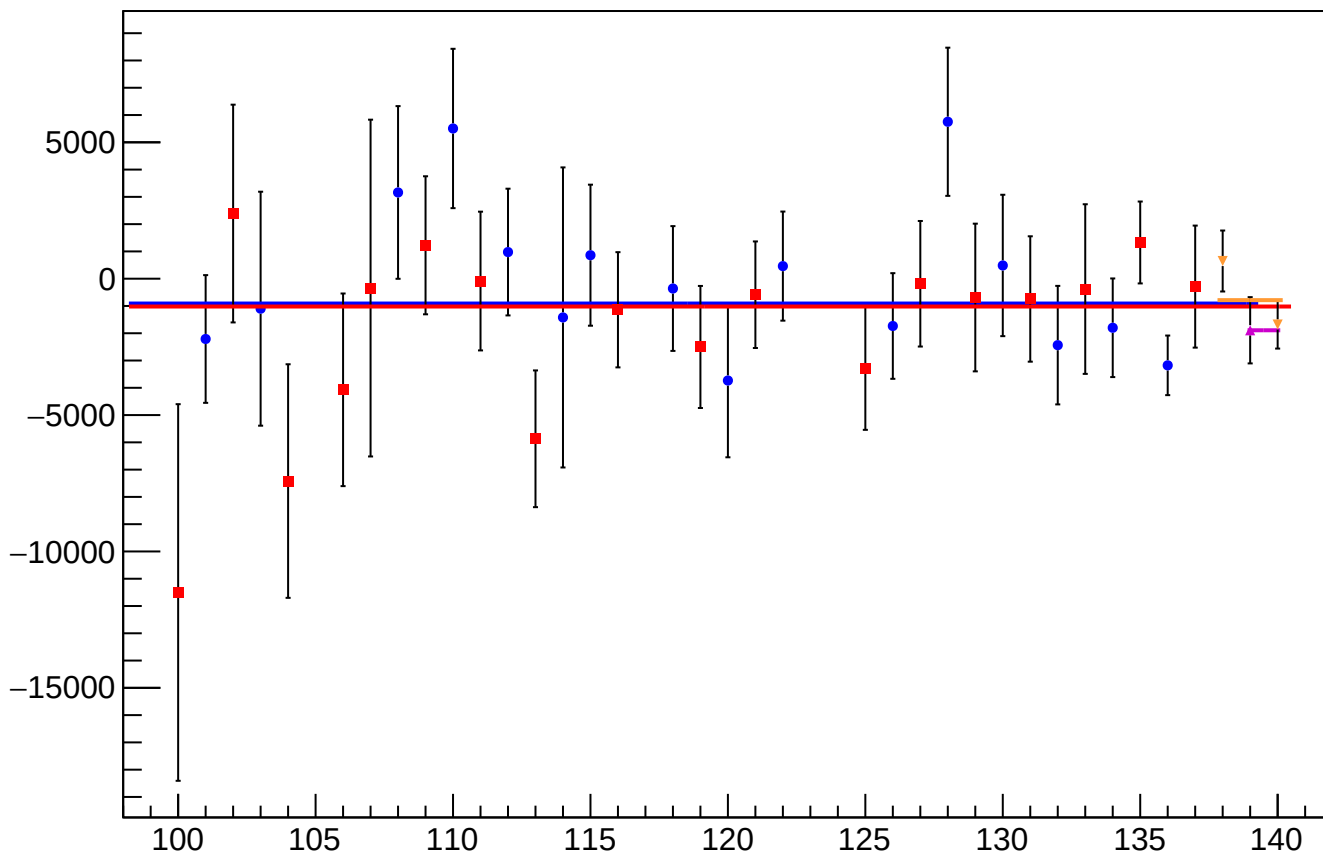
Left In: 1726.014+/-1.326 χ^2/NDF : 0.0/0

+ sign 1835.985+/-0.445 χ^2/NDF : 691012.8/17

All: 1855.099+/-0.324 χ^2/NDF : 978835.2/36

- sign 1876.686+/-0.473 χ^2/NDF : 283889.9/18

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



Right In: -910.955+/-550.836 χ^2/NDF : 21.0/15

Left Out: -786.395+/-692.396 χ^2/NDF : 2.7/1

Right Out: -1020.124+/-591.600 χ^2/NDF : 14.9/17

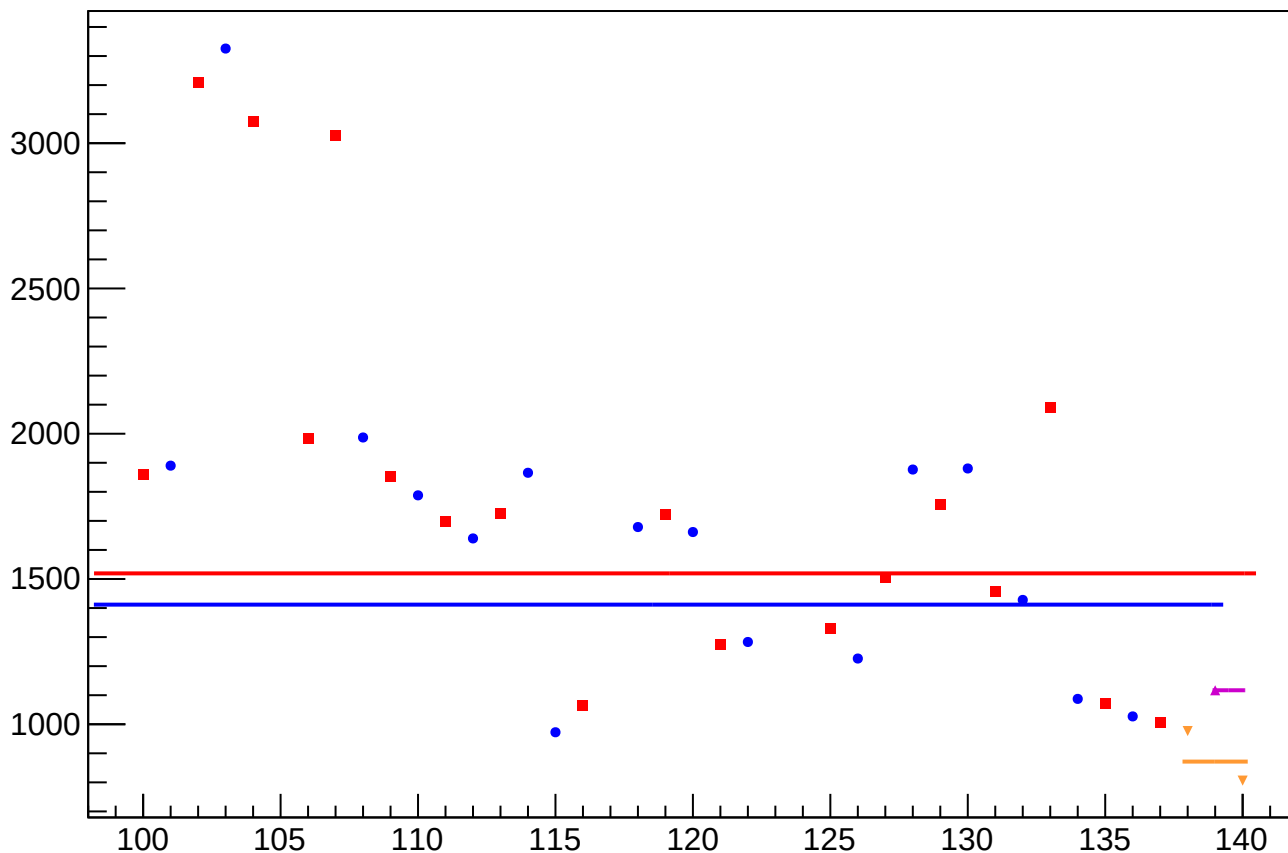
Left In: -1891.124+/-1214.666 χ^2/NDF : 0.0/0

+ sign -862.676+/-431.065 χ^2/NDF : 23.7/17

All: -991.303+/-334.888 χ^2/NDF : 39.3/36

- sign -1187.124+/-531.870 χ^2/NDF : 15.3/18

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF : 1177745.4/15

Left Out: 871.505+/-0.490 χ^2/NDF : 28717.1/1

Right Out: 1519.305+/-0.418 χ^2/NDF : 1360145.6/17

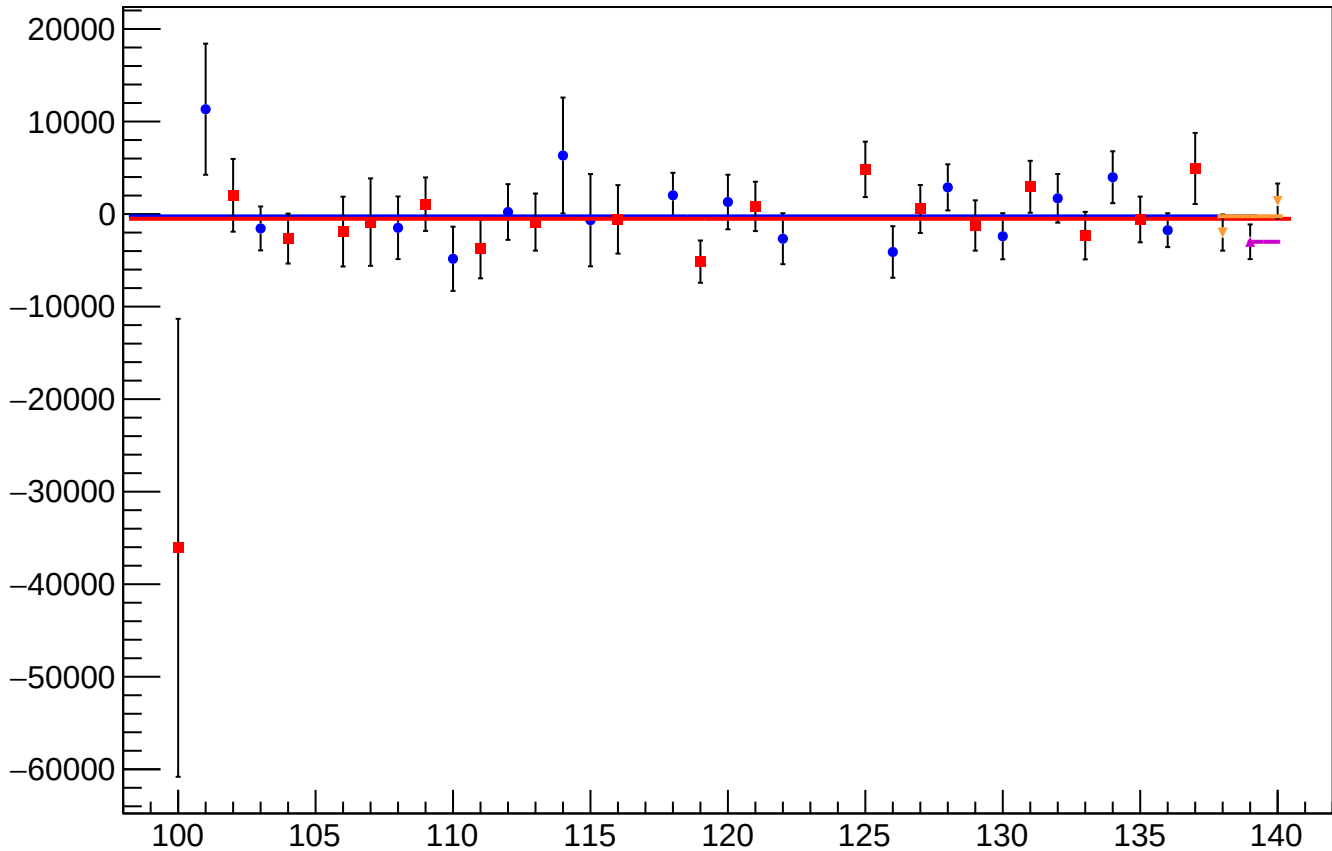
Left In: 1117.006+/-0.859 χ^2/NDF : 0.0/0

+ sign 1202.354+/-0.305 χ^2/NDF : 1952119.1/17

All: 1297.429+/-0.237 χ^2/NDF : 3735000.0/30

- sign 1442.171+/-0.376 χ^2/NDF : 1537470.5/18

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: -235.068+/-1356.445 χ^2/NDF :1.6/1

Right Out: -510.117+/-715.442 χ^2/NDF : 16.4/17

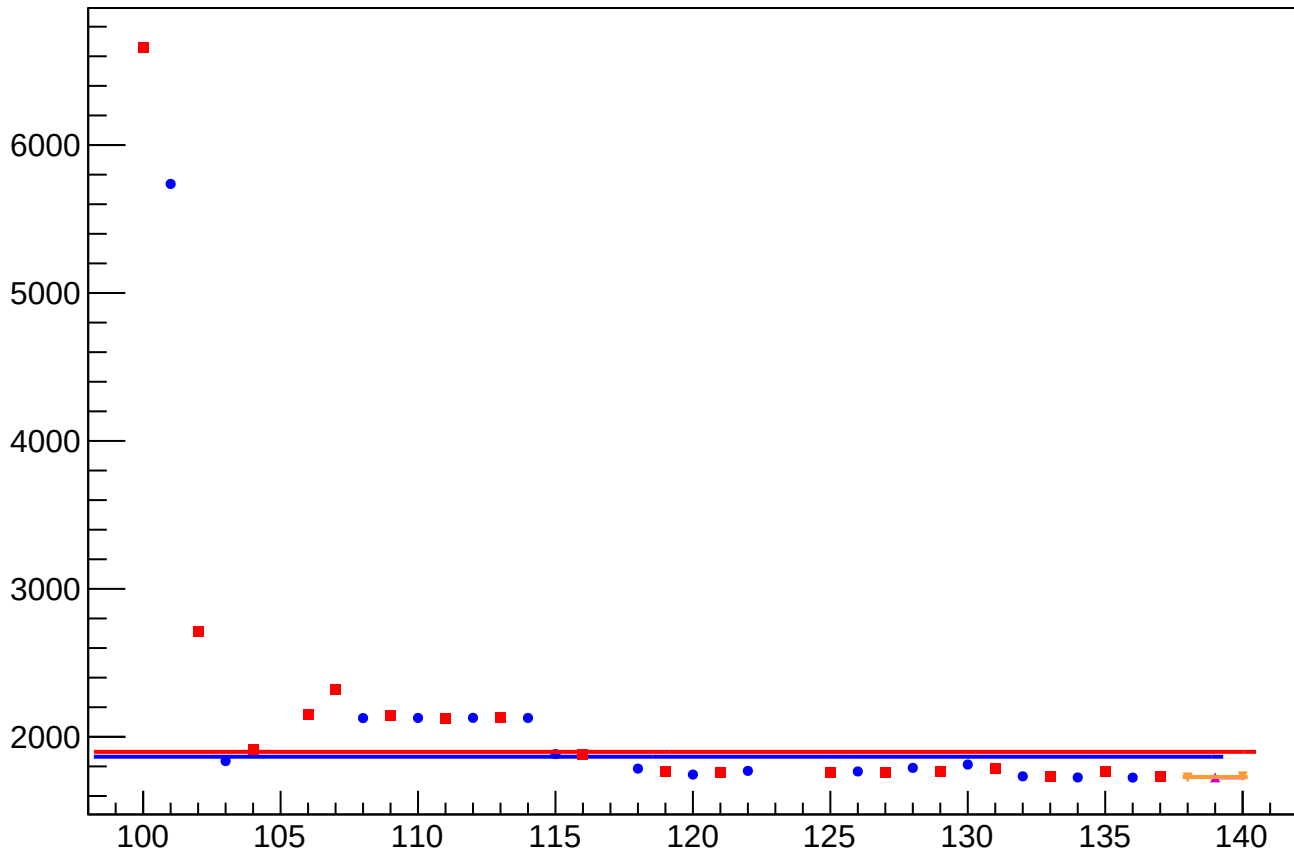
Left In: -2995.800+/-1875.866 χ^2/NDF :0.0/0

+ sign -248.377+/-629.020 χ^2/NDF : 17.2/17

All: -519.533+/-458.098 χ^2/NDF : 35.6/36

- sign -825.770+/-668.474 χ^2/NDF : 17.9/18

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: 1728.466+/-0.959 χ^2/NDF : 14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF : 269109.9/17

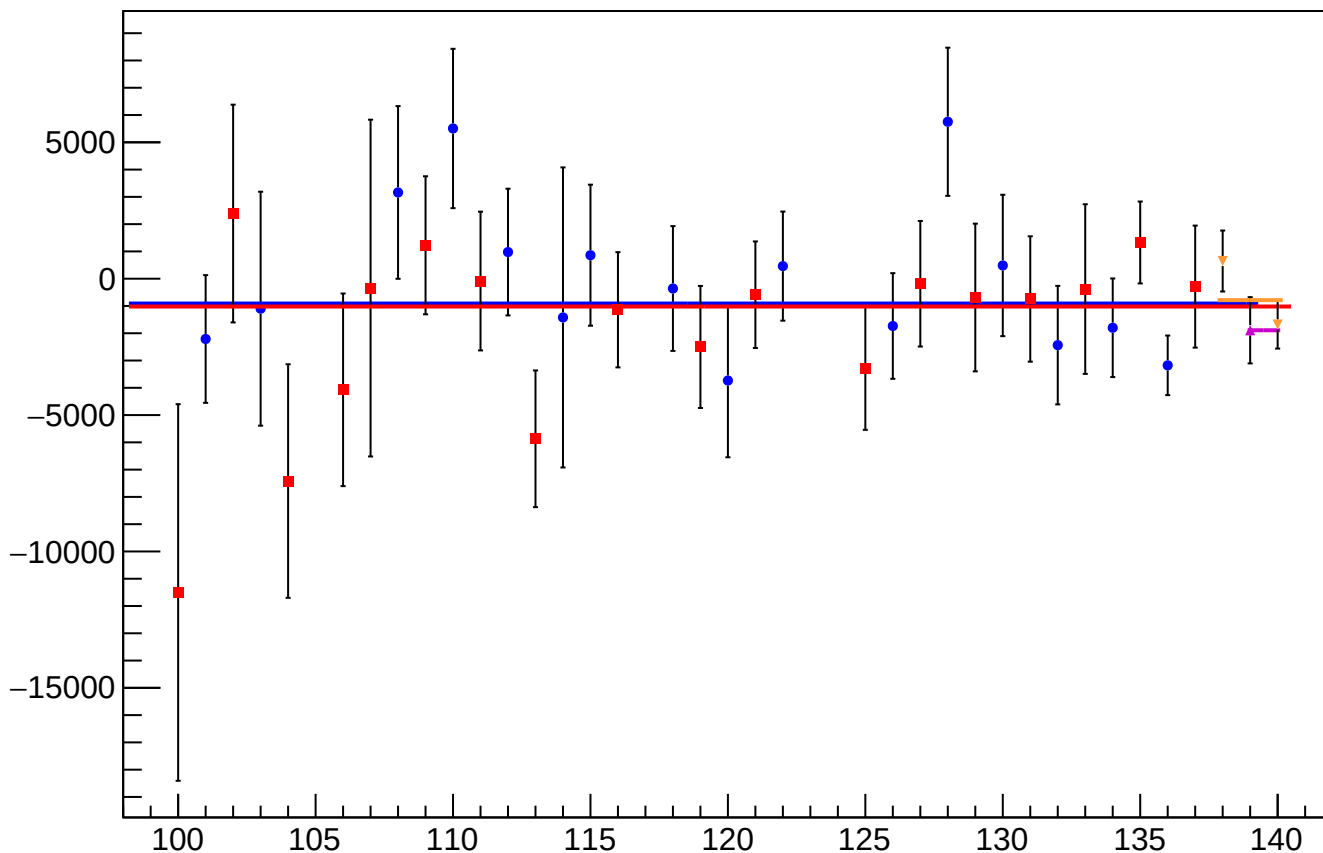
Left In: 1726.014+/-1.326 χ^2/NDF : 0.0/0

+ sign 1835.985+/-0.445 χ^2/NDF : 691012.8/17

All: 1855.099+/-0.324 χ^2/NDF : 978834.9/36

- sign 1876.686+/-0.473 χ^2/NDF : 283889.7/18

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -910.950+/-550.835 χ^2/NDF : 21.0/15

Left Out: -786.400+/-692.396 χ^2/NDF : 2.7/1

Right Out: -1020.123+/-591.599 χ^2/NDF : 14.9/17

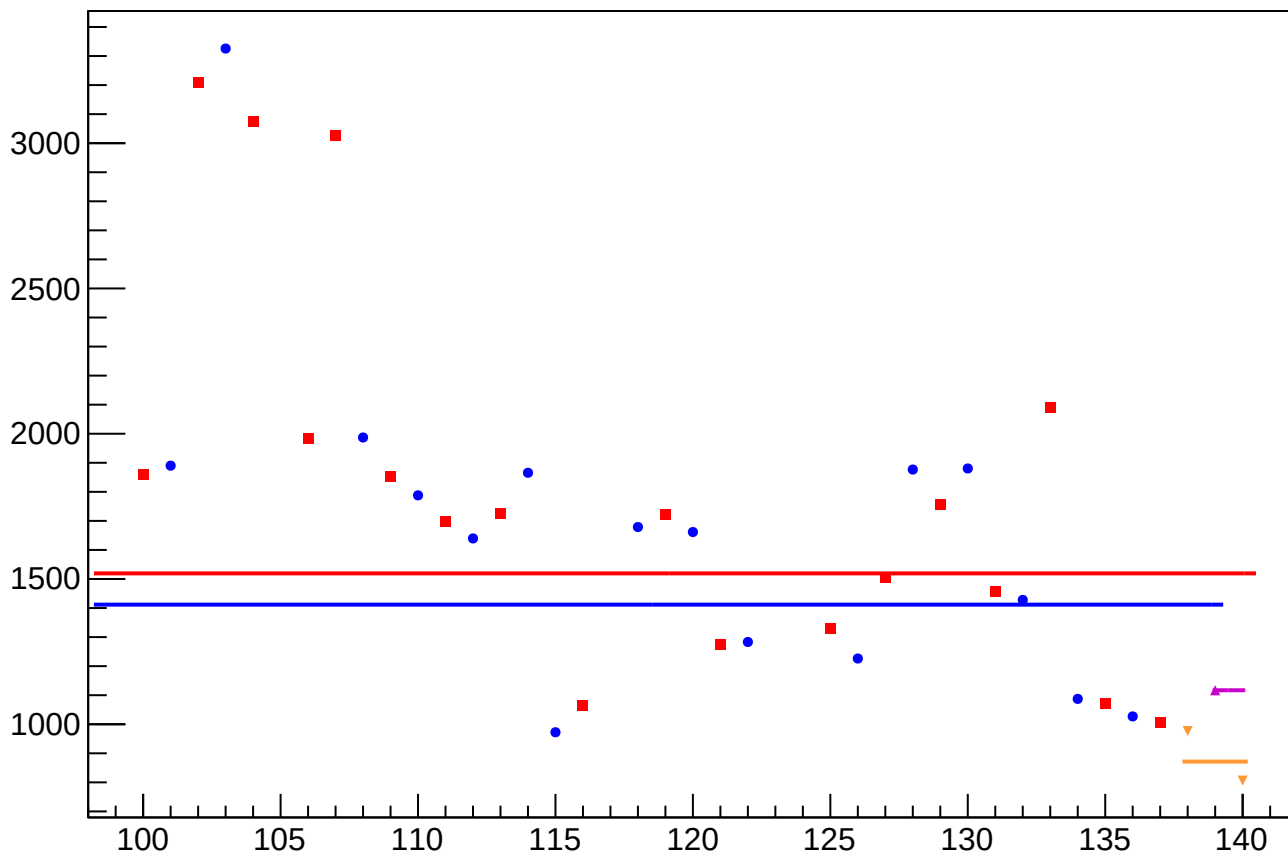
Left In: -1891.133+/-1214.671 χ^2/NDF : 0.0/0

+ sign -862.675+/-431.064 χ^2/NDF : 23.7/17

All: -991.302+/-334.887 χ^2/NDF : 39.3/36

- sign -1187.123+/-531.870 χ^2/NDF : 15.3/18

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1411.745+/-0.389 χ^2/NDF : 1177746.1/15

Left Out: 871.504+/-0.490 χ^2/NDF : 28718.9/1

Right Out: 1519.302+/-0.418 χ^2/NDF : 1360150.0/17

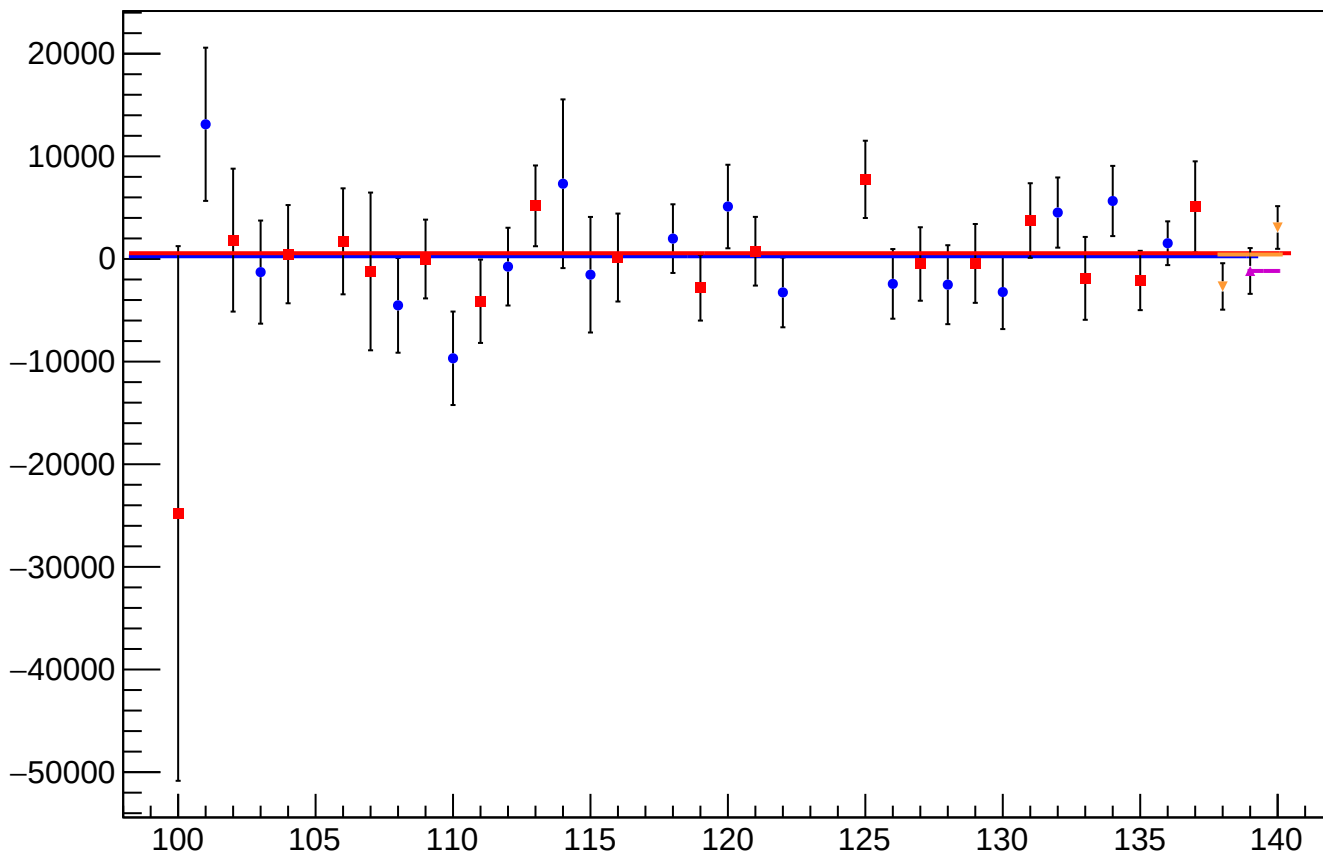
Left In: 1117.010+/-0.859 χ^2/NDF : 0.0/0

+ sign 1202.352+/-0.305 χ^2/NDF : 1952117.6/17

All: 1297.428+/-0.237 χ^2/NDF : 3734999.2/30

- sign 1442.170+/-0.376 χ^2/NDF : 1537468.1/18

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383 $\pm$ 941.979 χ^2 /NDF: 19.0/15

Left Out: 436.999 $\pm$ 1531.070 χ^2 /NDF: 3.5/1

Right Out: 560.962 $\pm$ 962.943 χ^2 /NDF: 11.7/17

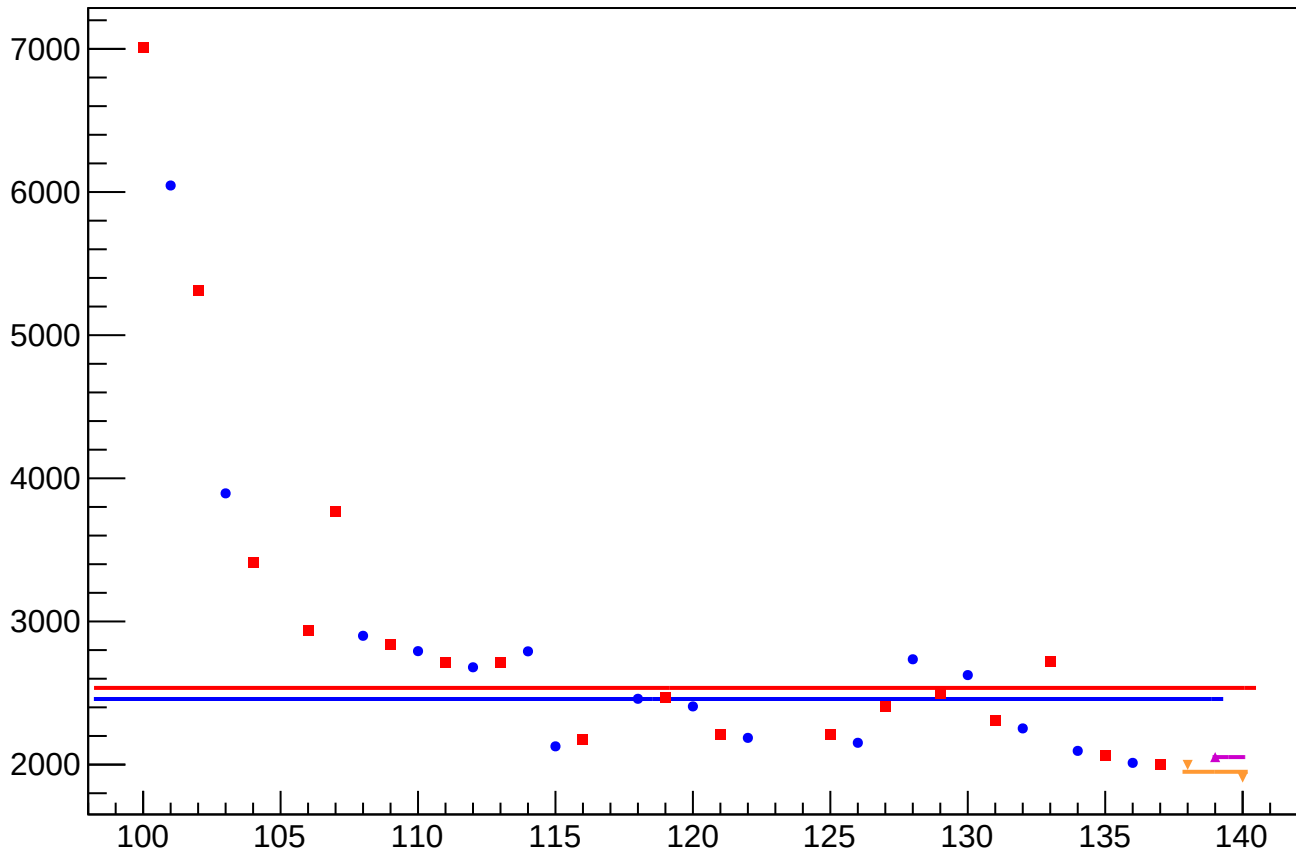
Left In: -1167.577 $\pm$ 2230.830 χ^2 /NDF: 0.0/0

+ sign 311.781 $\pm$ 802.296 χ^2 /NDF: 22.5/17

All: 301.709 $\pm$ 594.128 χ^2 /NDF: 34.8/36

- sign 289.478 $\pm$ 884.095 χ^2 /NDF: 12.3/18

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF : 832888.7/15

Left Out: 1949.824+/-1.083 χ^2/NDF :1660.5/1

Right Out: 2535.782+/-0.681 χ^2/NDF : 673337.1/17

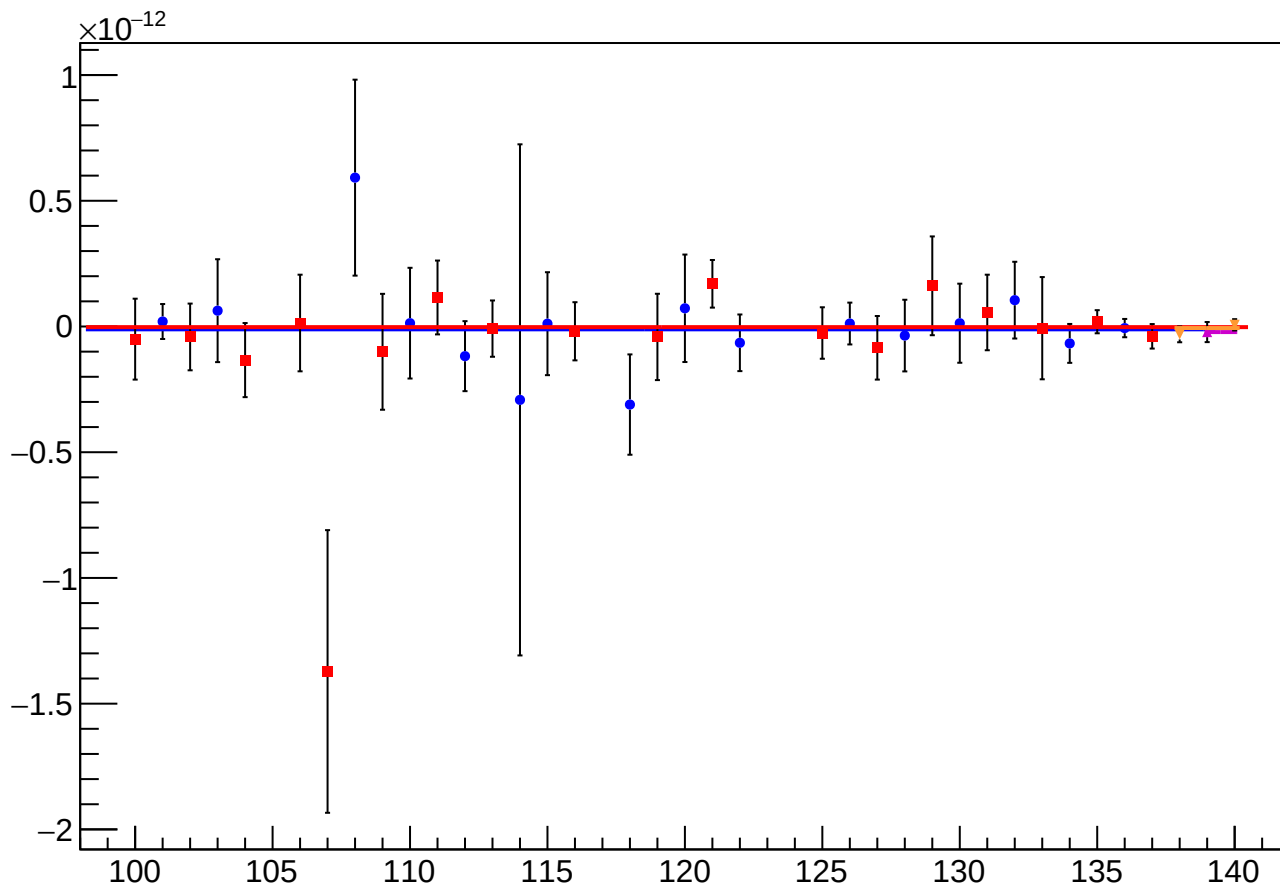
Left In: 2052.532+/-1.577 χ^2/NDF :0.0/0

+ sign 2318.702+/-0.567 χ^2/NDF : 994586.5/17

All: 2382.461+/-0.420 χ^2/NDF : 1775003.9/36

- sign 2459.883+/-0.625 χ^2/NDF : 752448.4/18

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 7.3/15

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

Right Out: -0.000+/-0.000 χ^2 /NDF: 13.2/17

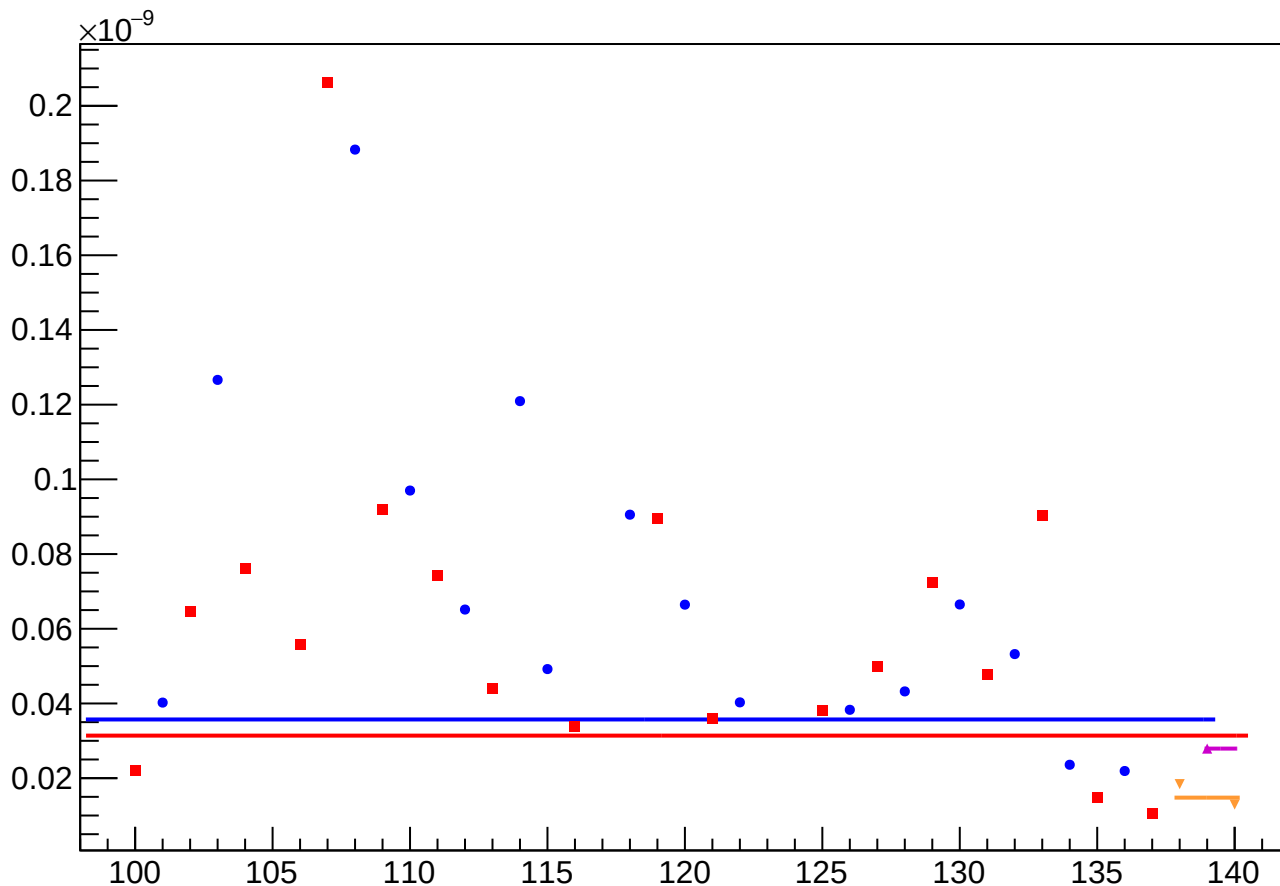
Left In: -0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 8.3/17

All: -0.000+/-0.000 χ^2 /NDF: 21.7/36

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

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1620217.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 40269.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2068272.1/17

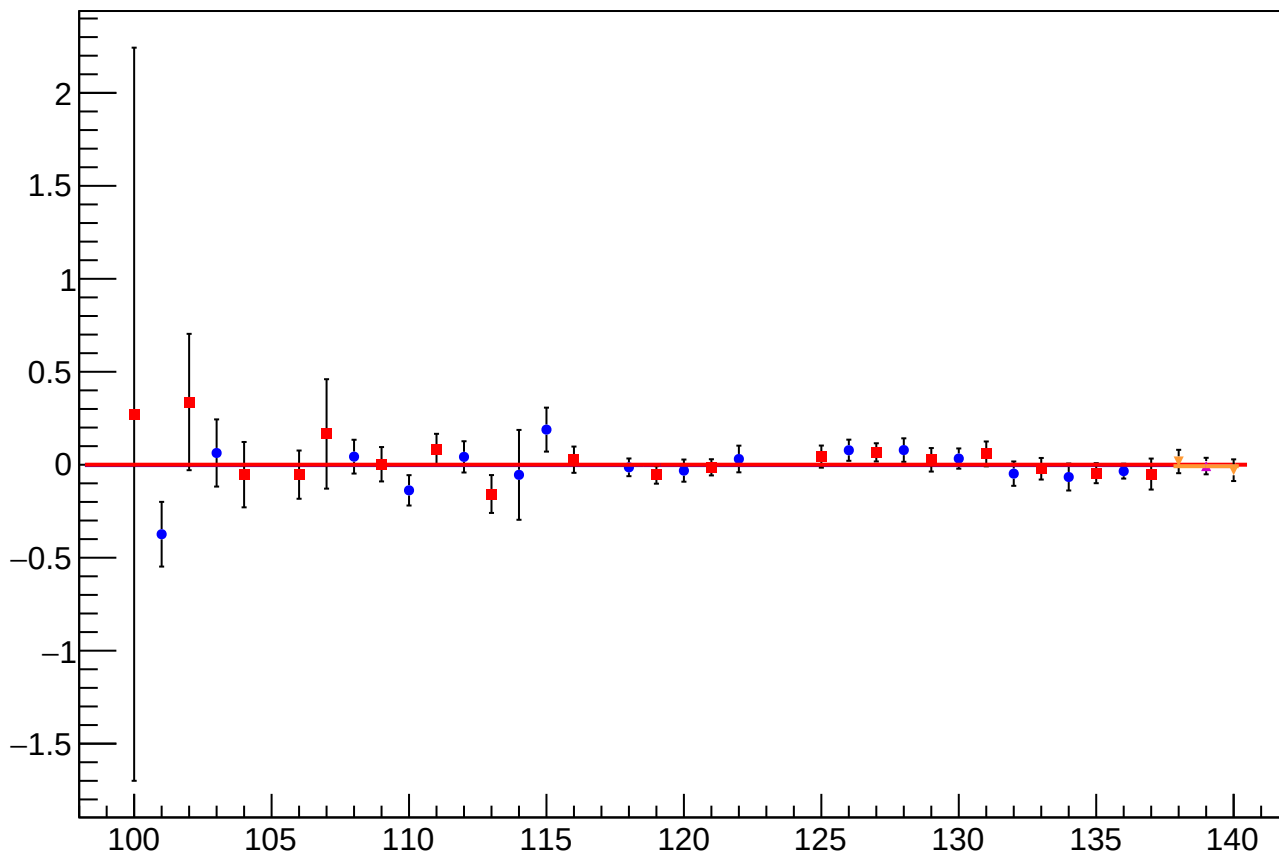
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2597117.3/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4884757.6/36

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2079280.7/18

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: -0.008 ± 0.043 χ^2/NDF : 0.3/1

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

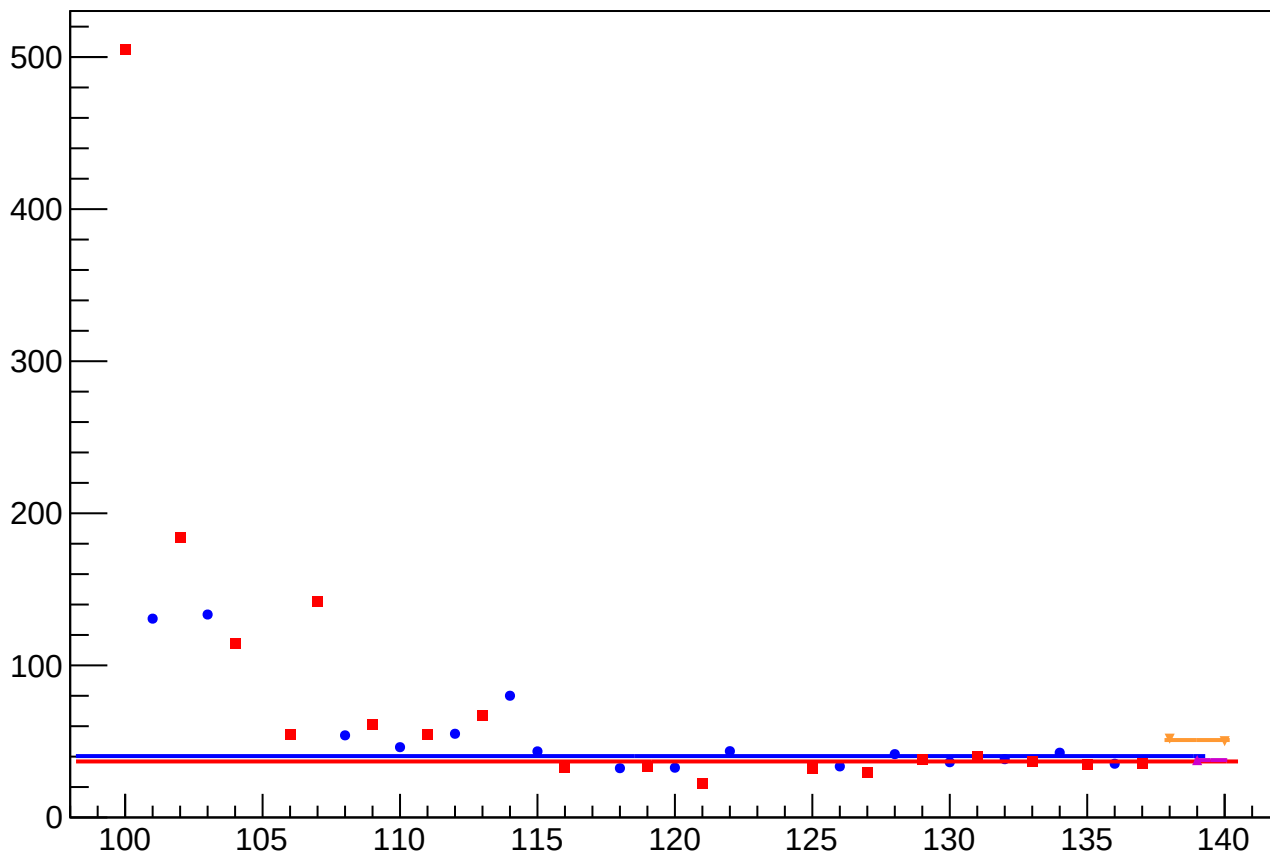
Left In: -0.007 ± 0.044 χ^2/NDF : 0.0/0

+ sign -0.003 ± 0.016 χ^2/NDF : 17.4/17

All: -0.002 ± 0.011 χ^2/NDF : 28.4/36

- sign -0.001 ± 0.016 χ^2/NDF : 10.9/18

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF : 1410137.1/15

Left Out: 50.902+/-0.030 χ^2/NDF : 749.1/1

Right Out: 36.825+/-0.012 χ^2/NDF : 1837124.6/17

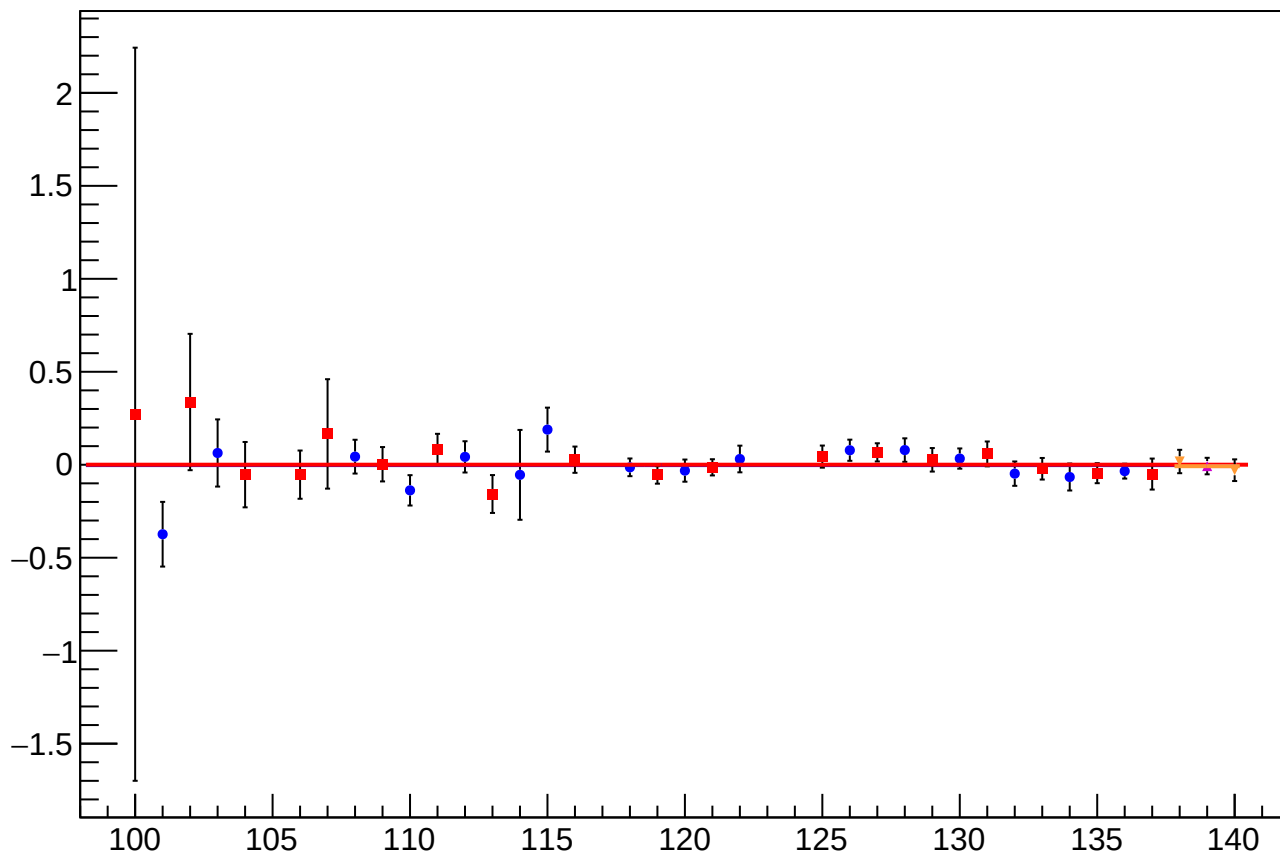
Left In: 37.718+/-0.031 χ^2/NDF : 0.0/0

+ sign 41.804+/-0.011 χ^2/NDF : 1515915.1/17

All: 39.329+/-0.008 χ^2/NDF : 3449514.0/36

- sign 36.935+/-0.011 χ^2/NDF : 1837834.7/18

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: -0.008 ± 0.043 χ^2/NDF : 0.3/1

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

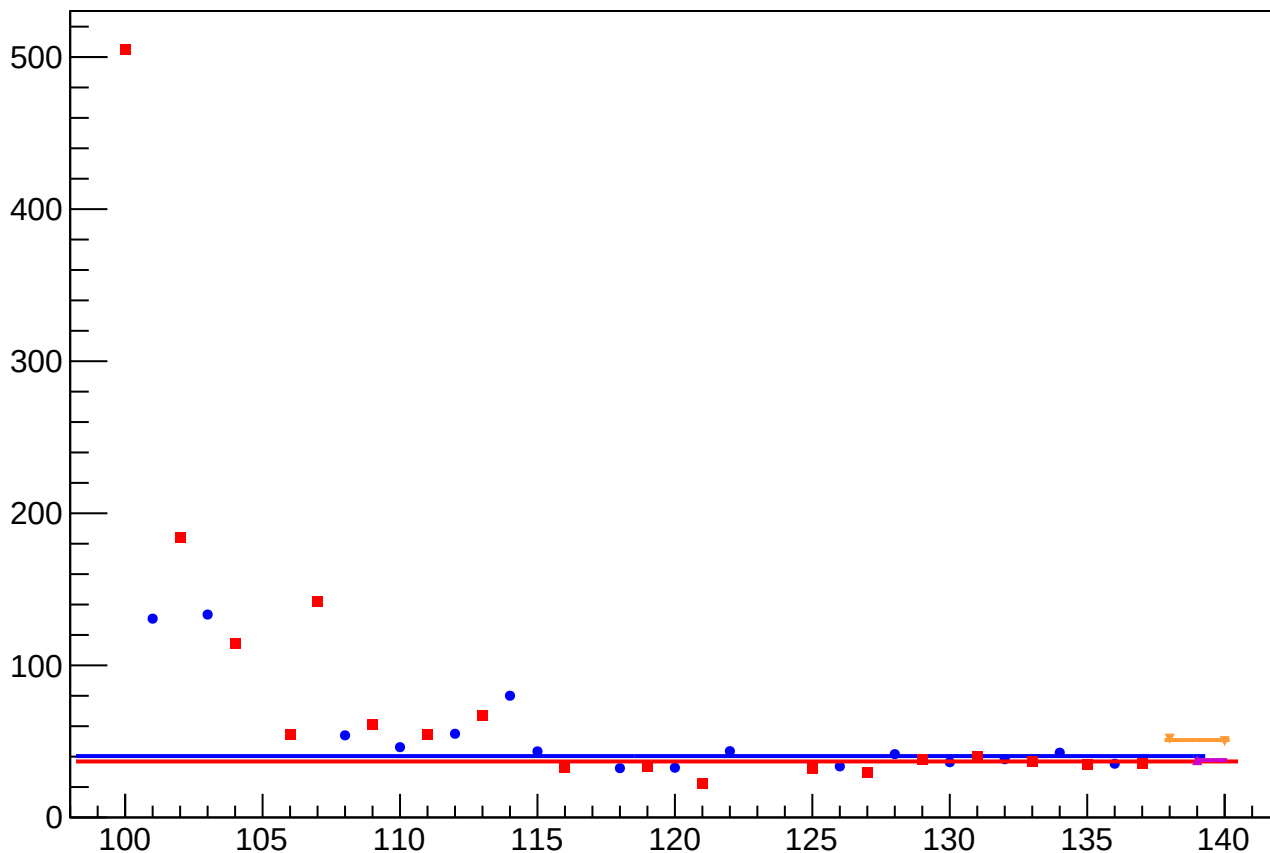
Left In: -0.007 ± 0.044 χ^2/NDF : 0.0/0

+ sign -0.003 ± 0.016 χ^2/NDF : 17.4/17

All: -0.002 ± 0.011 χ^2/NDF : 28.4/36

- sign -0.001 ± 0.016 χ^2/NDF : 10.9/18

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410137.1/15

Left Out: 50.902 $\pm$ 0.030 χ^2 /NDF: 749.1/1

Right Out: 36.825 $\pm$ 0.012 χ^2 /NDF: 1837124.6/17

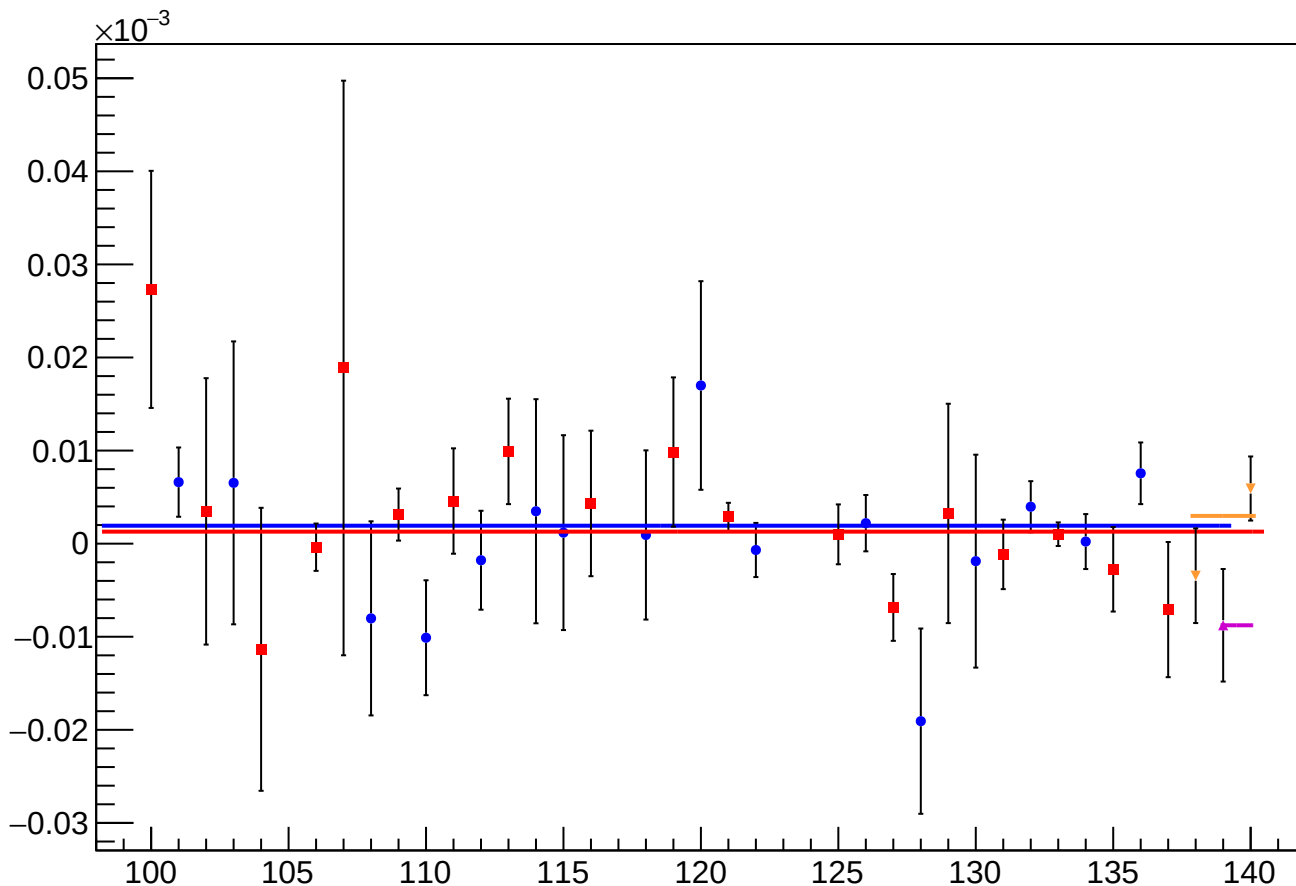
Left In: 37.718 $\pm$ 0.031 χ^2 /NDF: 0.0/0

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515915.1/17

All: 39.329 $\pm$ 0.008 χ^2 /NDF: 3449514.0/36

- sign 36.935 $\pm$ 0.011 χ^2 /NDF: 1837834.7/18

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/17

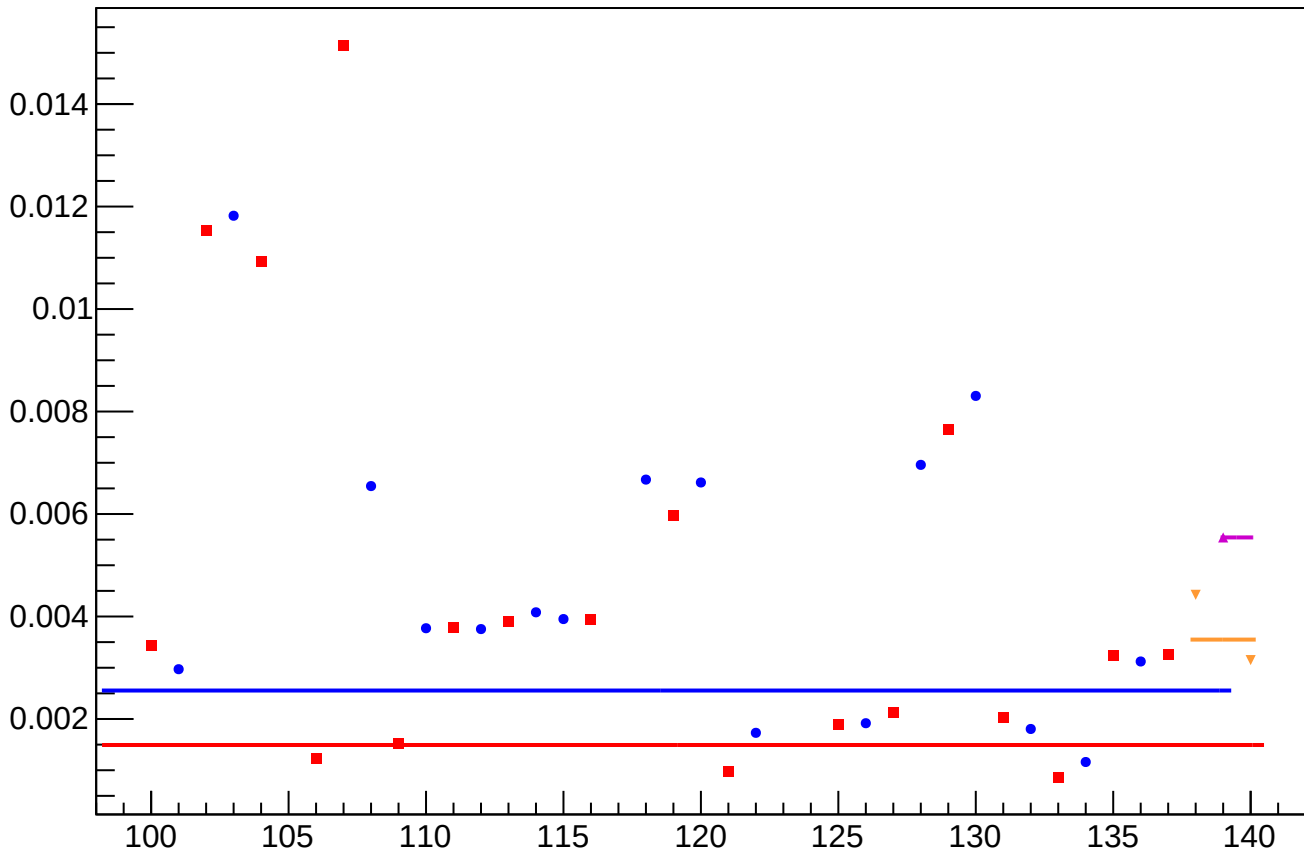
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 20.3/17

All: 0.000 ± 0.000 χ^2/NDF : 42.4/36

- sign 0.000 ± 0.000 χ^2/NDF : 21.6/18

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF :86070.3/1

Right Out: 0.001+/-0.000 χ^2/NDF : 5561830.1/17

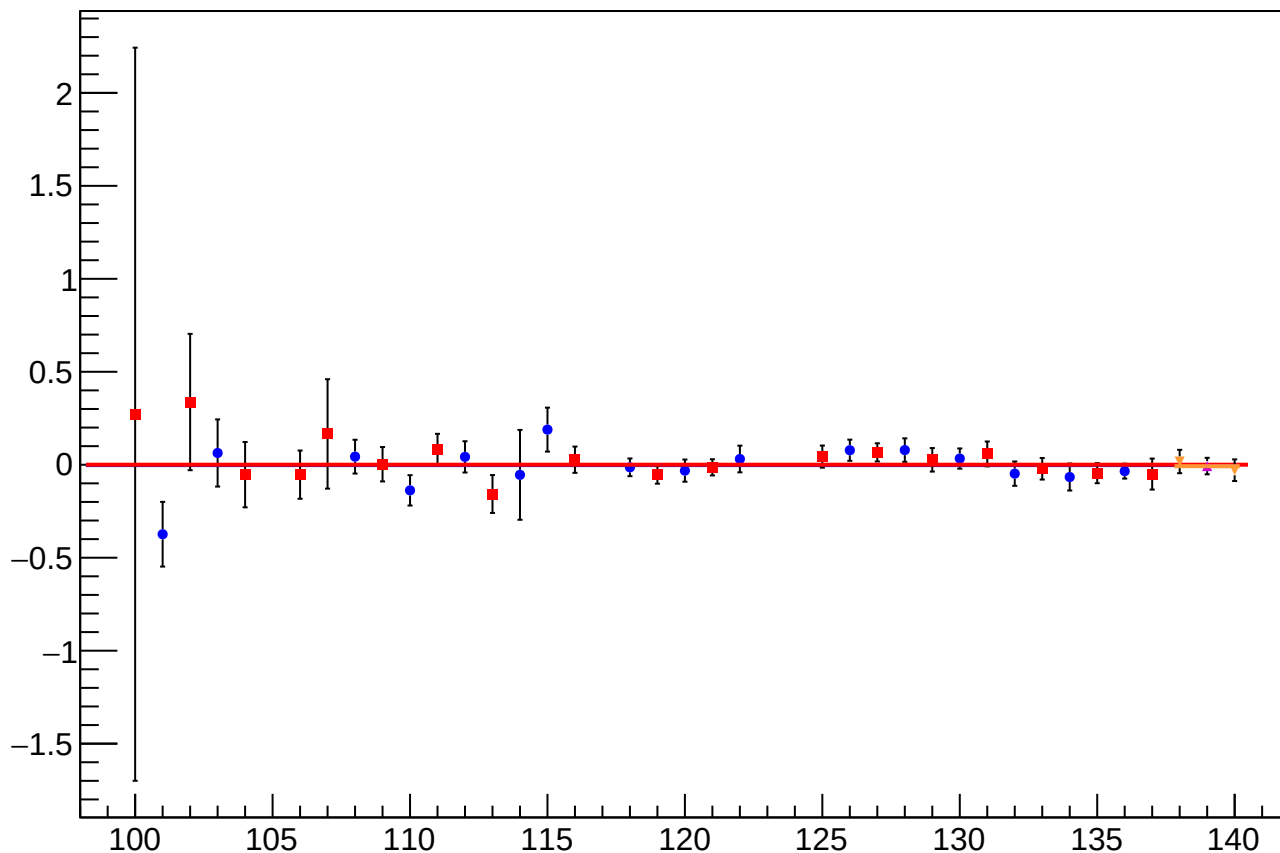
Left In: 0.006+/-0.000 χ^2/NDF :0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 4078050.1/17

All: 0.002+/-0.000 χ^2/NDF : 12067512.3/36

- sign 0.002+/-0.000 χ^2/NDF : 6445669.8/18

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 $\pm$ 0.017 χ^2 /NDF: 17.1/15

Left Out: -0.008 $\pm$ 0.043 χ^2 /NDF: 0.3/1

Right Out: 0.000 $\pm$ 0.017 χ^2 /NDF: 10.9/17

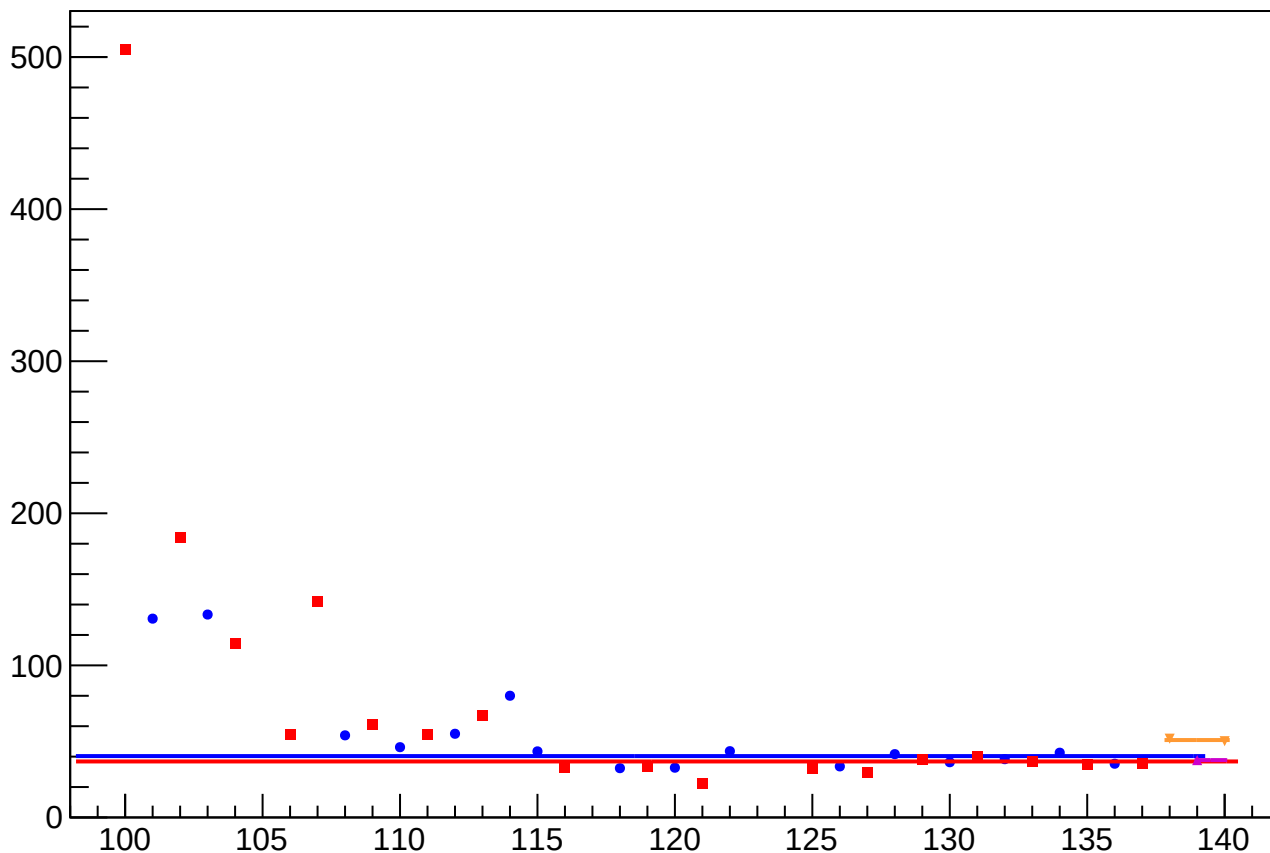
Left In: -0.007 $\pm$ 0.044 χ^2 /NDF: 0.0/0

+ sign -0.003 $\pm$ 0.016 χ^2 /NDF: 17.4/17

All: -0.002 $\pm$ 0.011 χ^2 /NDF: 28.4/36

- sign -0.001 $\pm$ 0.016 χ^2 /NDF: 10.9/18

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410036.7/15

Left Out: 50.902 $\pm$ 0.030 χ^2 /NDF: 750.9/1

Right Out: 36.824 $\pm$ 0.012 χ^2 /NDF: 1837118.8/17

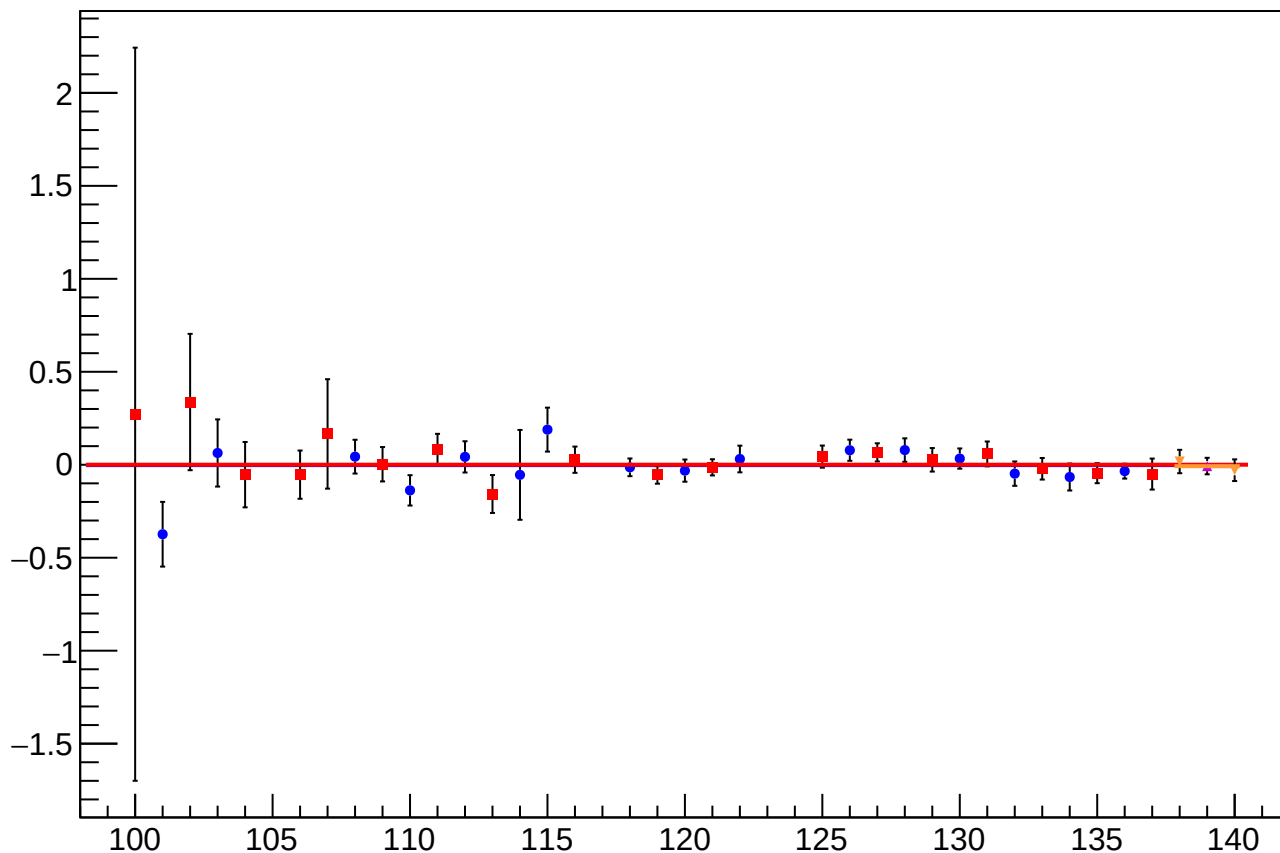
Left In: 37.719 $\pm$ 0.031 χ^2 /NDF: 0.0/0

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515803.2/17

All: 39.329 $\pm$ 0.008 χ^2 /NDF: 3449445.3/36

- sign 36.934 $\pm$ 0.011 χ^2 /NDF: 1837831.3/18

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: -0.008 ± 0.043 χ^2/NDF : 0.3/1

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

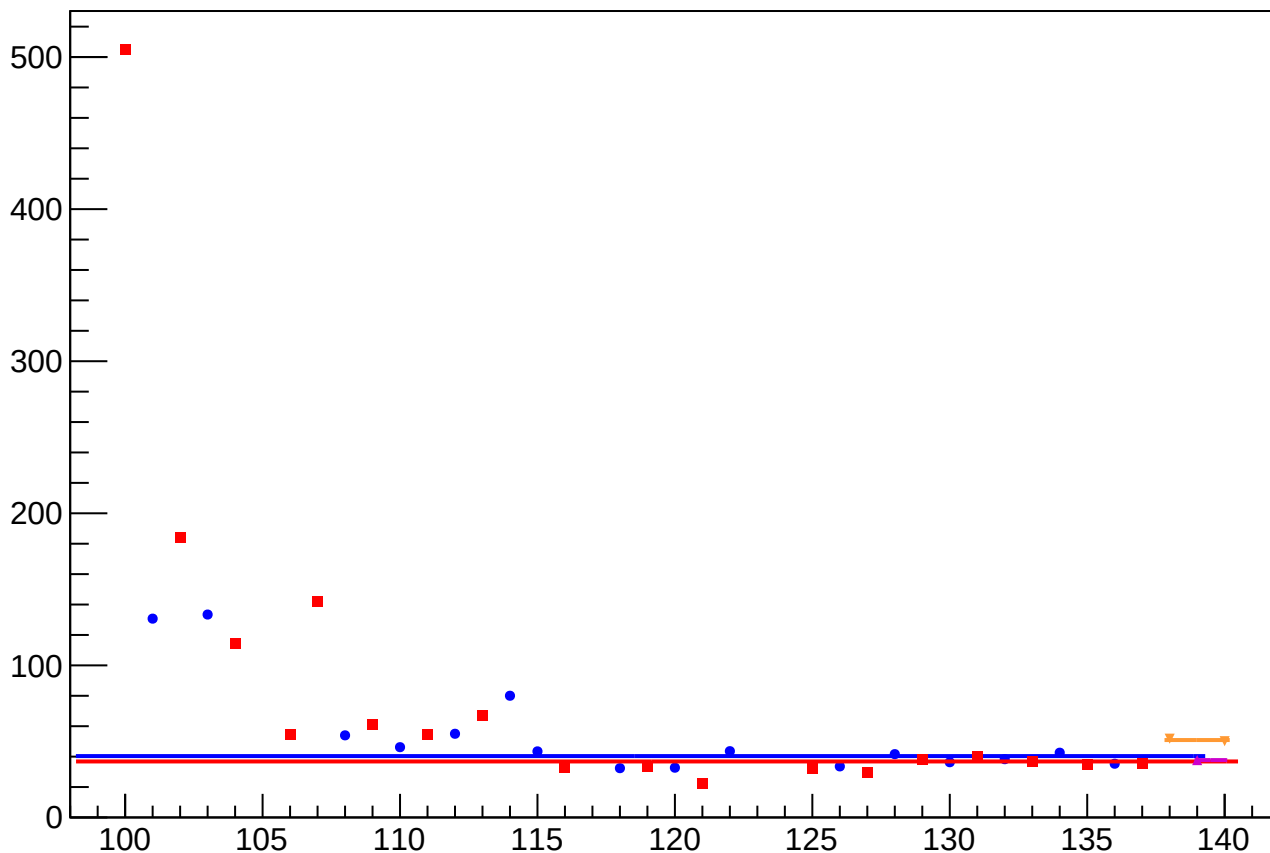
Left In: -0.007 ± 0.044 χ^2/NDF : 0.0/0

+ sign -0.003 ± 0.016 χ^2/NDF : 17.4/17

All: -0.002 ± 0.011 χ^2/NDF : 28.4/36

- sign -0.001 ± 0.016 χ^2/NDF : 10.9/18

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410036.7/15

Left Out: 50.902 $\pm$ 0.030 χ^2 /NDF: 750.9/1

Right Out: 36.824 $\pm$ 0.012 χ^2 /NDF: 1837118.8/17

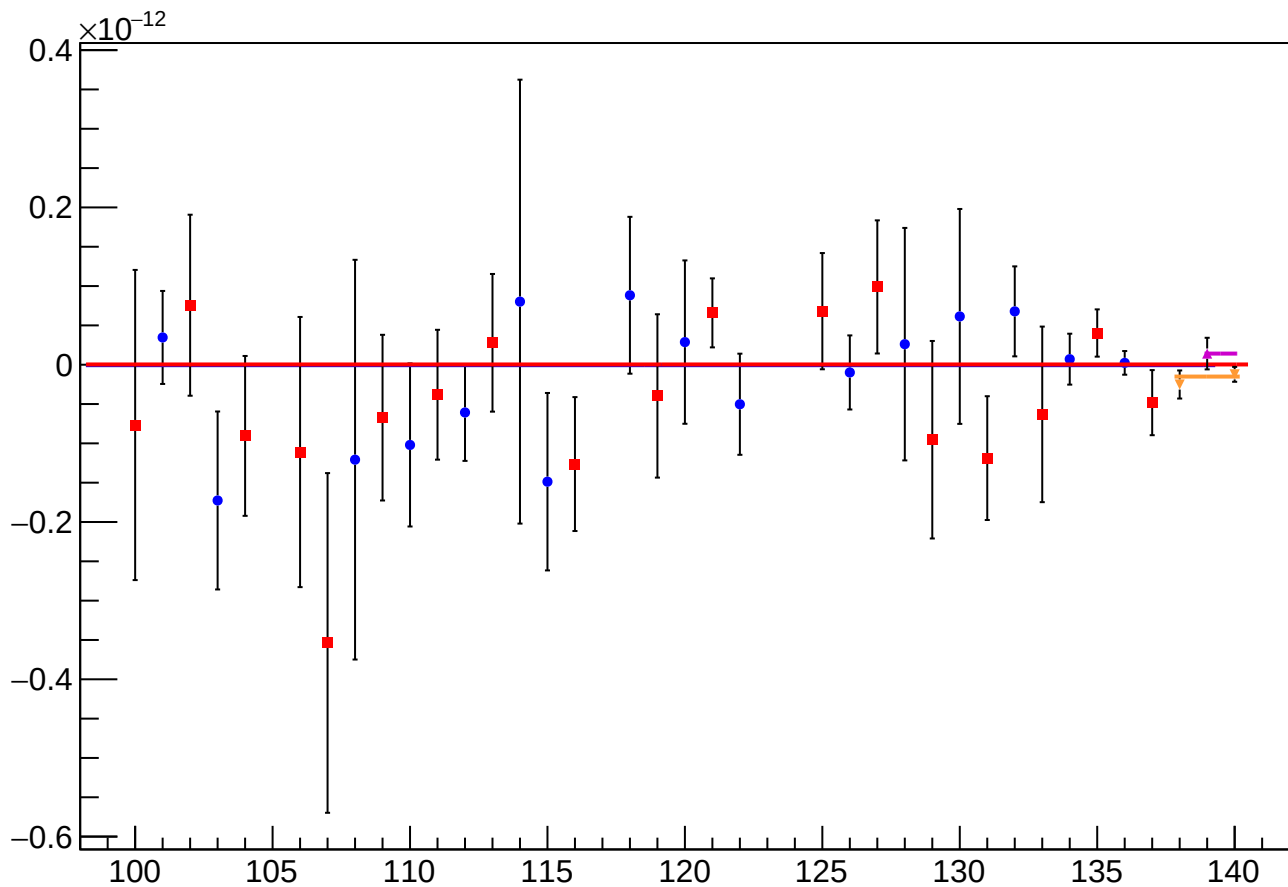
Left In: 37.719 $\pm$ 0.031 χ^2 /NDF: 0.0/0

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515803.2/17

All: 39.329 $\pm$ 0.008 χ^2 /NDF: 3449445.3/36

- sign 36.934 $\pm$ 0.011 χ^2 /NDF: 1837831.3/18

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 18.4/17

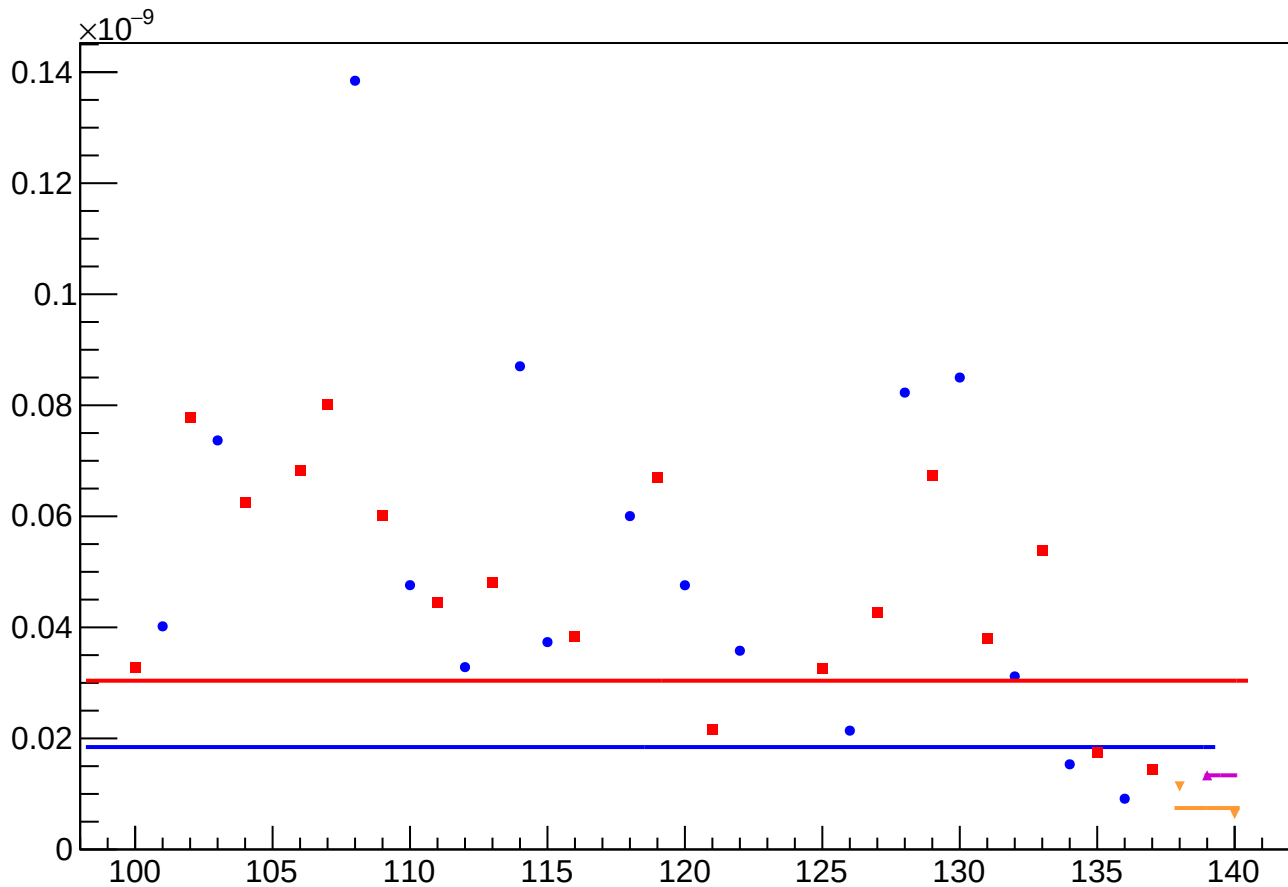
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 11.3/17

All: -0.000+/-0.000 χ^2/NDF : 31.2/36

- sign 0.000+/-0.000 χ^2/NDF : 18.6/18

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :121524.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2387224.9/17

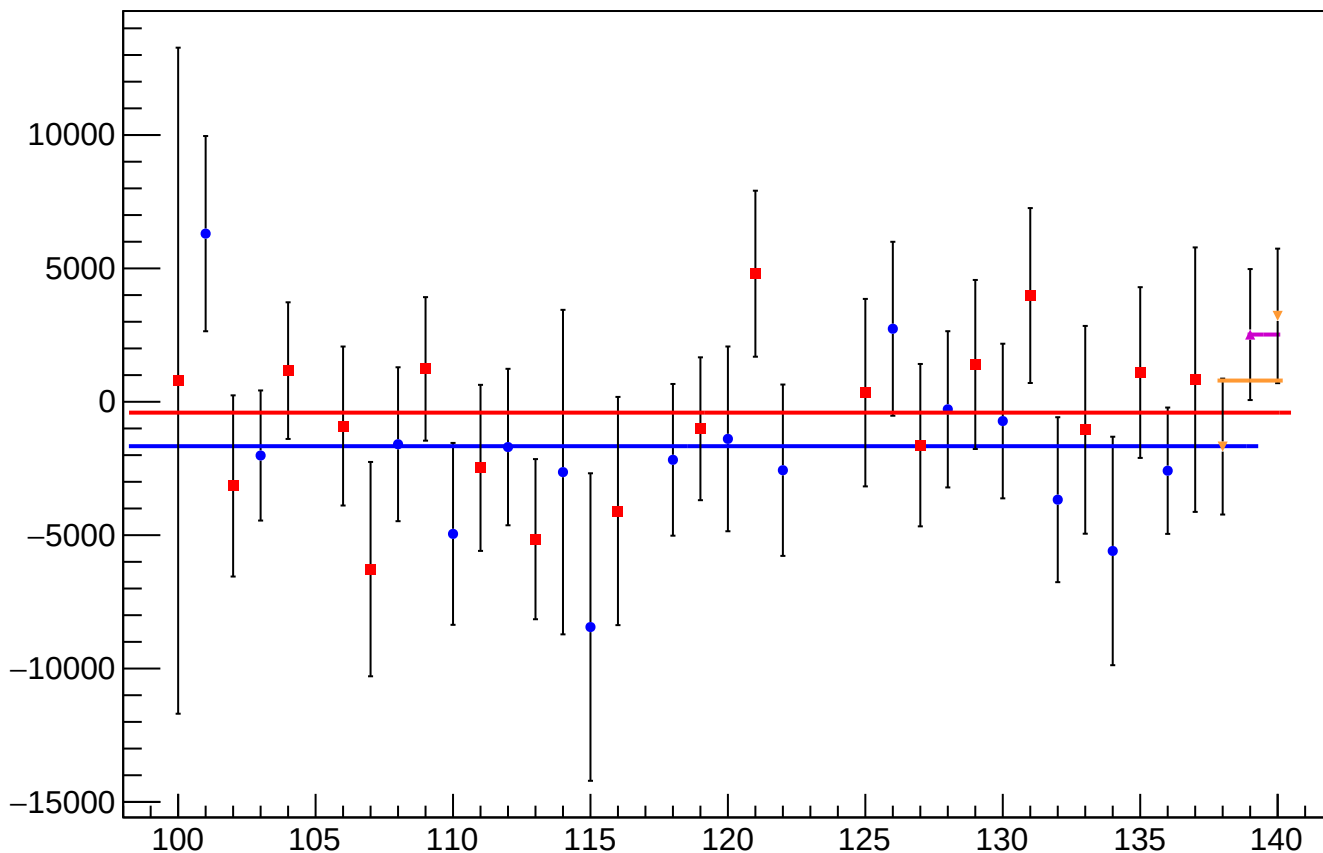
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5329356.5/17

All: 0.000+/-0.000 χ^2/NDF : 10034477.5/36

- sign 0.000+/-0.000 χ^2/NDF : 3247779.5/18

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305 ± 792.164 χ^2/NDF : 10.8/15

Left Out: 795.670 ± 1792.112 χ^2/NDF : 1.9/1

Right Out: -406.847 ± 777.158 χ^2/NDF : 12.7/17

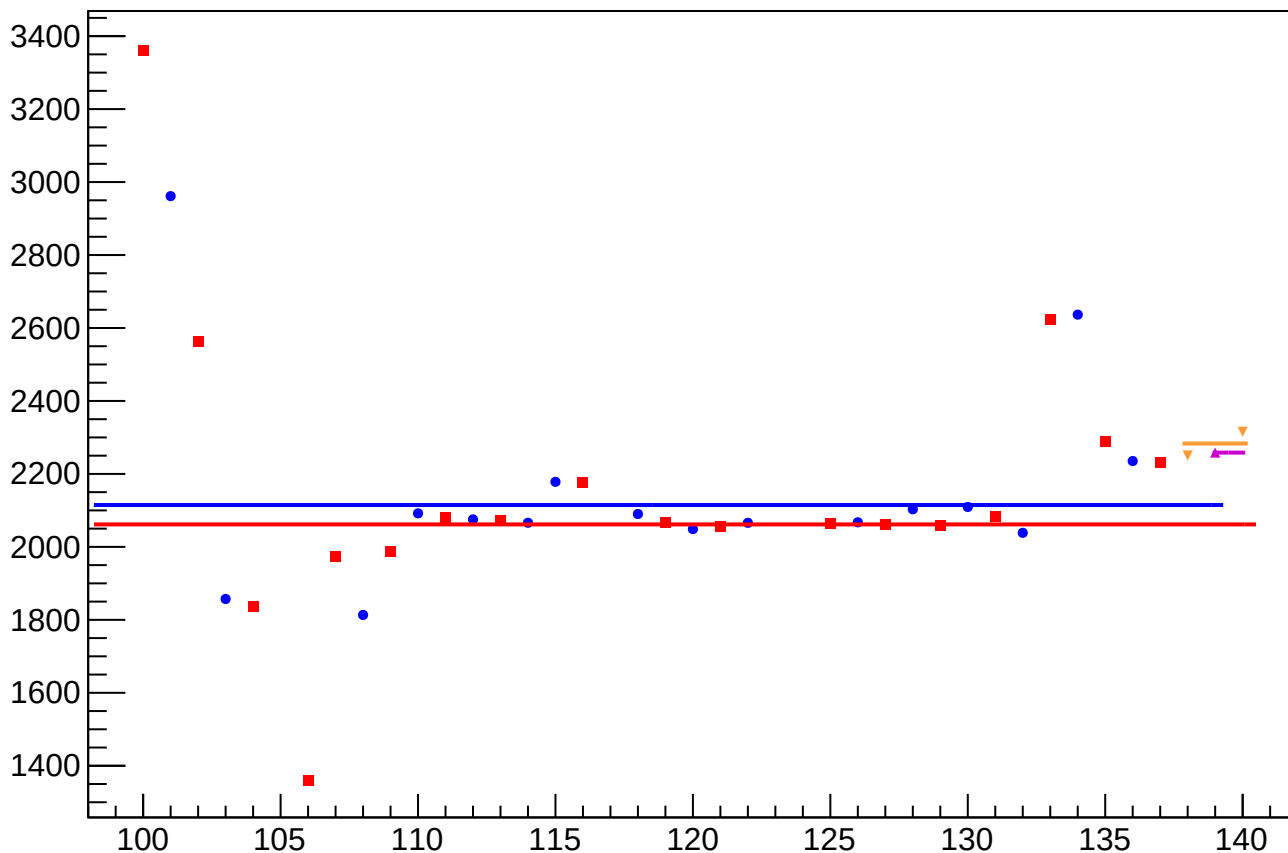
Left In: 2520.414 ± 2455.398 χ^2/NDF : 0.0/0

+ sign -1262.217 ± 724.537 χ^2/NDF : 14.2/17

All: -713.808 ± 518.024 χ^2/NDF : 29.4/36

- sign -140.301 ± 740.931 χ^2/NDF : 14.0/18

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.6/15

Left Out: 2283.352+/-1.267 χ^2/NDF : 657.8/1

Right Out: 2061.560+/-0.550 χ^2/NDF : 249186.6/17

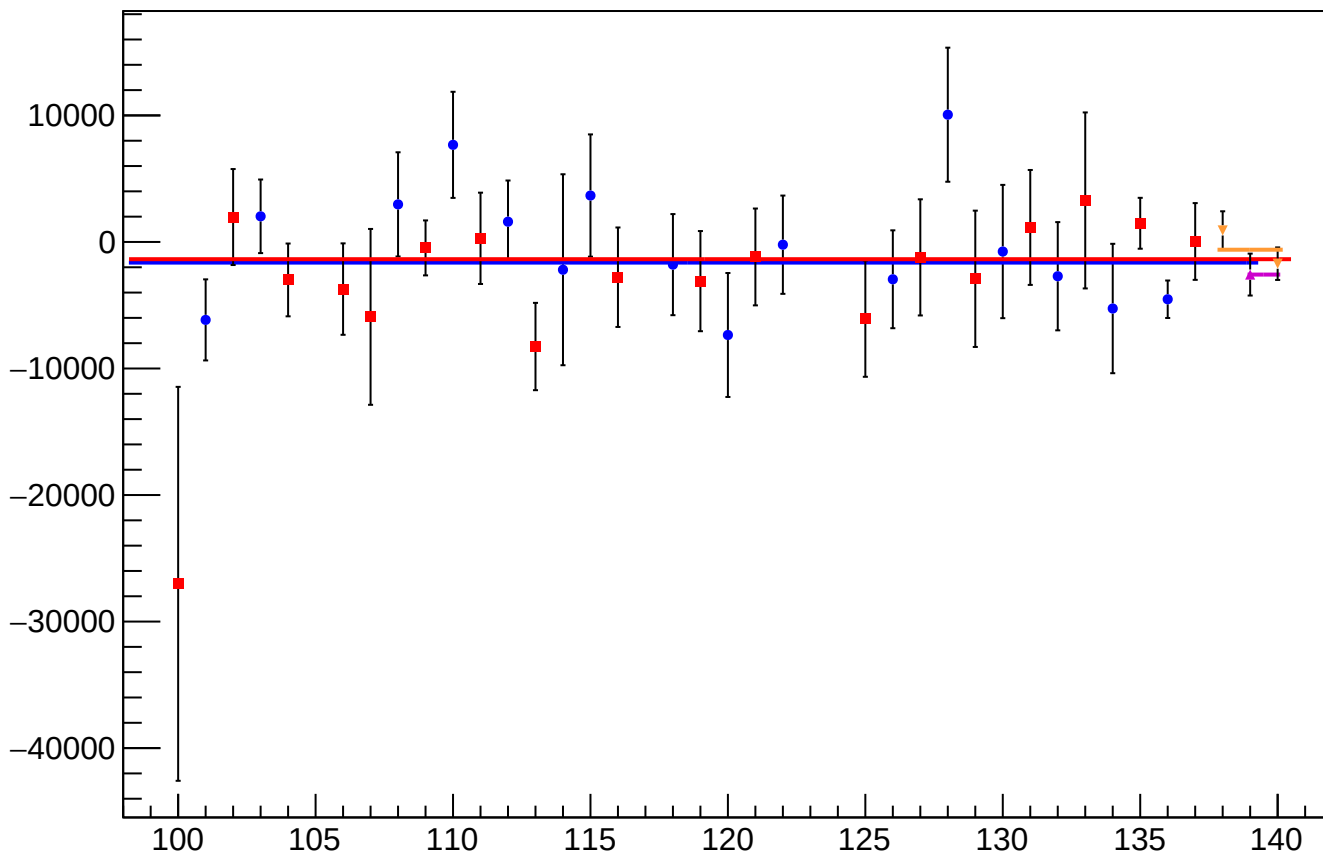
Left In: 2258.410+/-1.736 χ^2/NDF : 0.0/0

+ sign 2142.312+/-0.512 χ^2/NDF : 205386.1/17

All: 2111.601+/-0.366 χ^2/NDF : 473608.1/36

- sign 2079.484+/-0.524 χ^2/NDF : 260870.7/18

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



Right In: -1630.474+/-862.417 χ^2/NDF : 22.9/15

Left Out: -613.579+/-979.231 χ^2/NDF : 1.8/1

Right Out: -1361.841+/-840.417 χ^2/NDF : 13.5/17

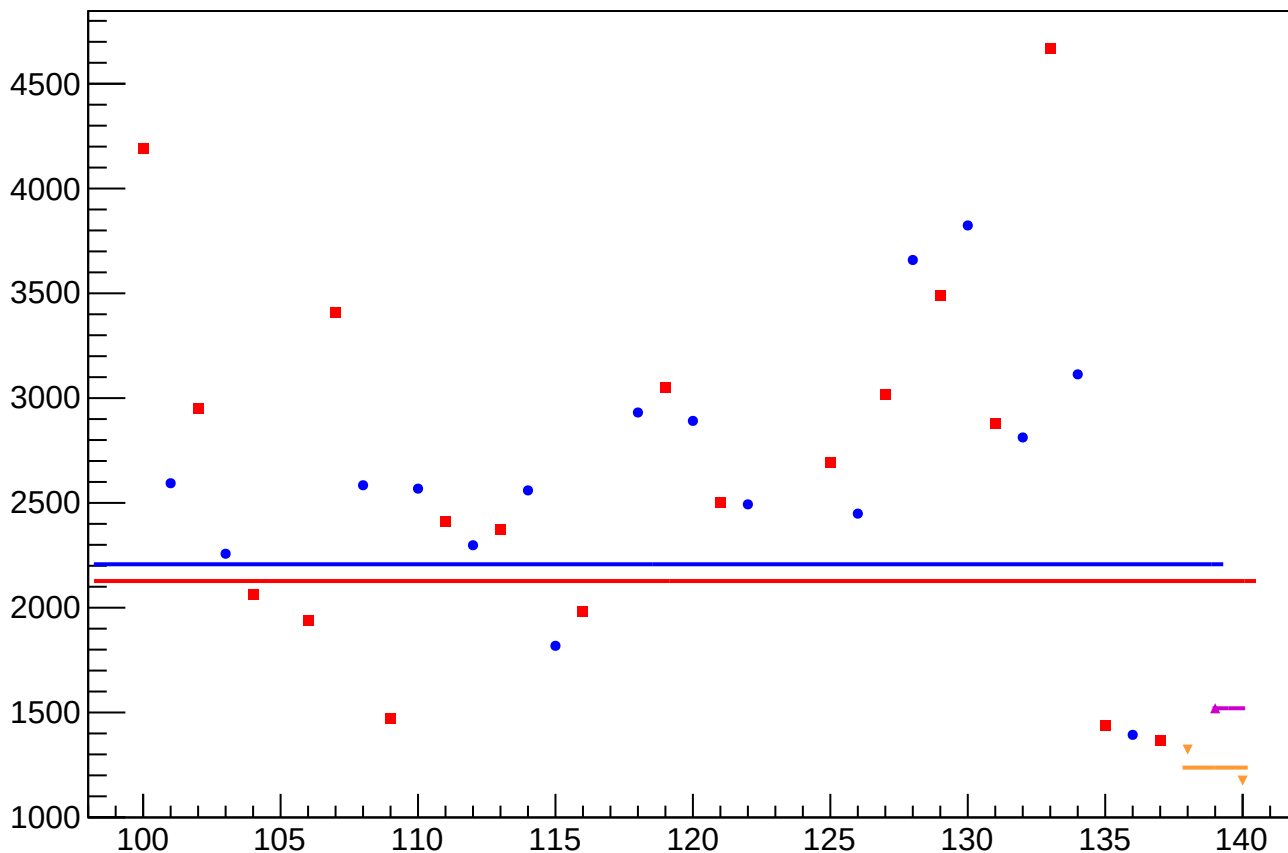
Left In: -2578.154+/-1656.079 χ^2/NDF : 0.0/0

+ sign -1186.269+/-647.201 χ^2/NDF : 25.2/17

All: -1367.679+/-489.830 χ^2/NDF : 39.3/36

- sign -1610.930+/-749.438 χ^2/NDF : 13.9/18

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: 1237.011+/-0.692 χ^2/NDF : 11097.2/1

Right Out: 2127.224+/-0.594 χ^2/NDF : 1458046.9/17

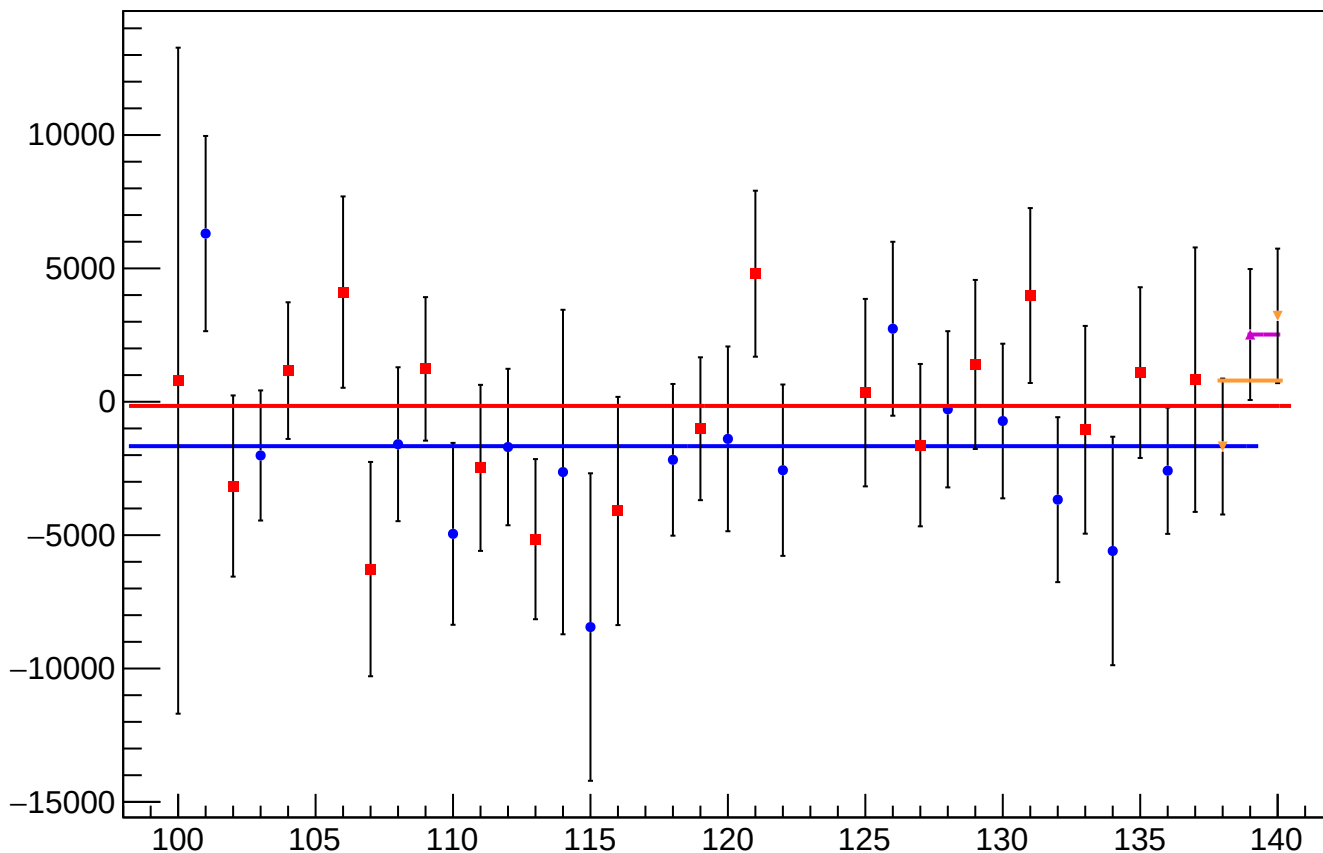
Left In: 1520.158+/-1.171 χ^2/NDF : 0.0/0

+ sign 1783.427+/-0.458 χ^2/NDF : 2366131.6/17

All: 1877.185+/-0.346 χ^2/NDF : 4136138.9/30

- sign 2002.903+/-0.530 χ^2/NDF : 1671755.0/18

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231 ± 792.164 χ^2/NDF : 10.8/15

Left Out: 795.820 ± 1792.112 χ^2/NDF : 1.9/1

Right Out: -155.775 ± 785.481 χ^2/NDF : 14.2/17

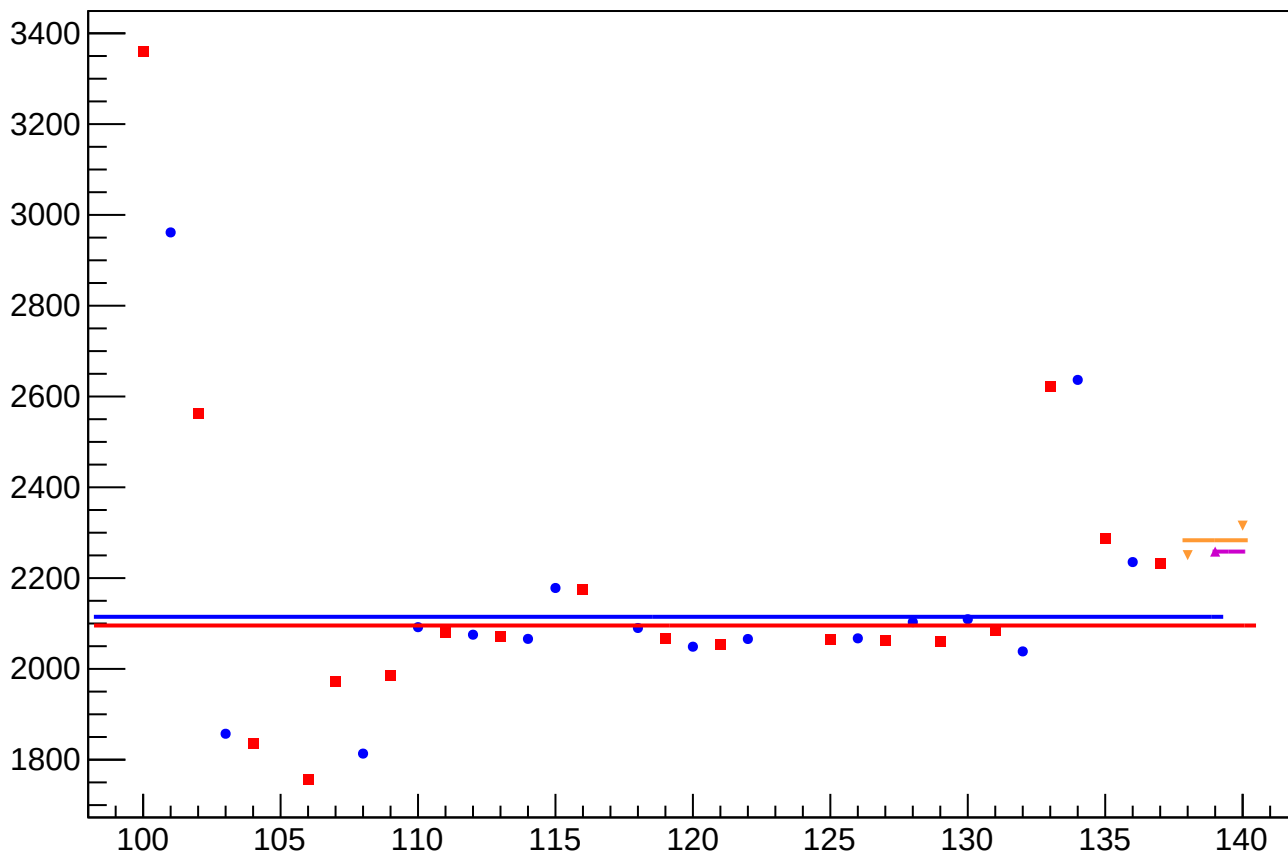
Left In: 2520.887 ± 2455.398 χ^2/NDF : 0.0/0

+ sign -1262.130 ± 724.537 χ^2/NDF : 14.2/17

All: -606.411 ± 520.467 χ^2/NDF : 31.2/36

- sign 92.714 ± 748.133 χ^2/NDF : 15.3/18

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.9/15

Left Out: 2283.352+/-1.267 χ^2/NDF : 657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF : 149360.5/17

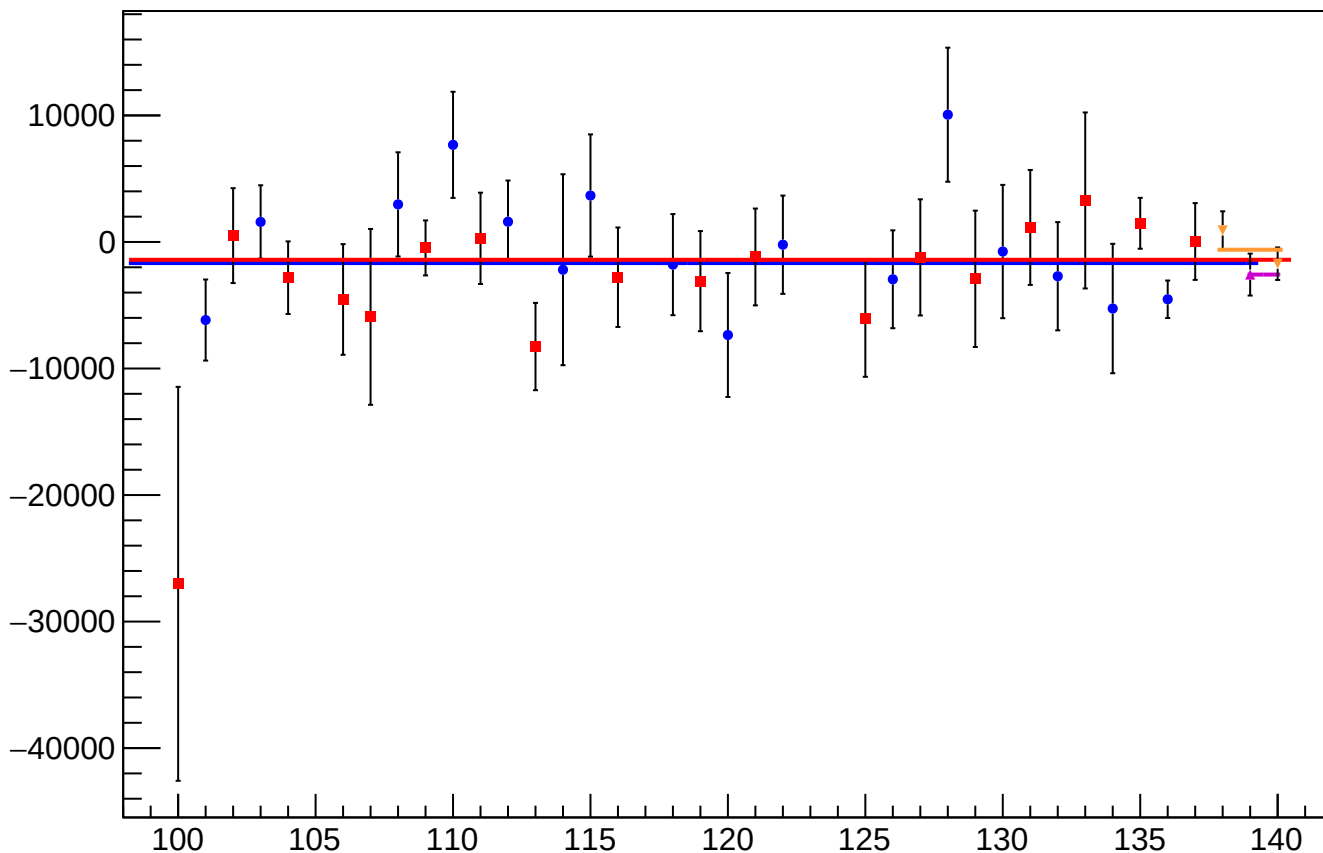
Left In: 2258.410+/-1.736 χ^2/NDF : 0.0/0

+ sign 2142.312+/-0.512 χ^2/NDF : 205386.4/17

All: 2127.018+/-0.368 χ^2/NDF : 364565.5/36

- sign 2110.712+/-0.529 χ^2/NDF : 157337.7/18

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -1668.482 $\pm$ 862.126 χ^2 /NDF: 22.5/15

Left Out: -613.842 $\pm$ 979.242 χ^2 /NDF:1.8/1

Right Out: -1407.975 $\pm$ 847.068 χ^2 /NDF: 13.0/17

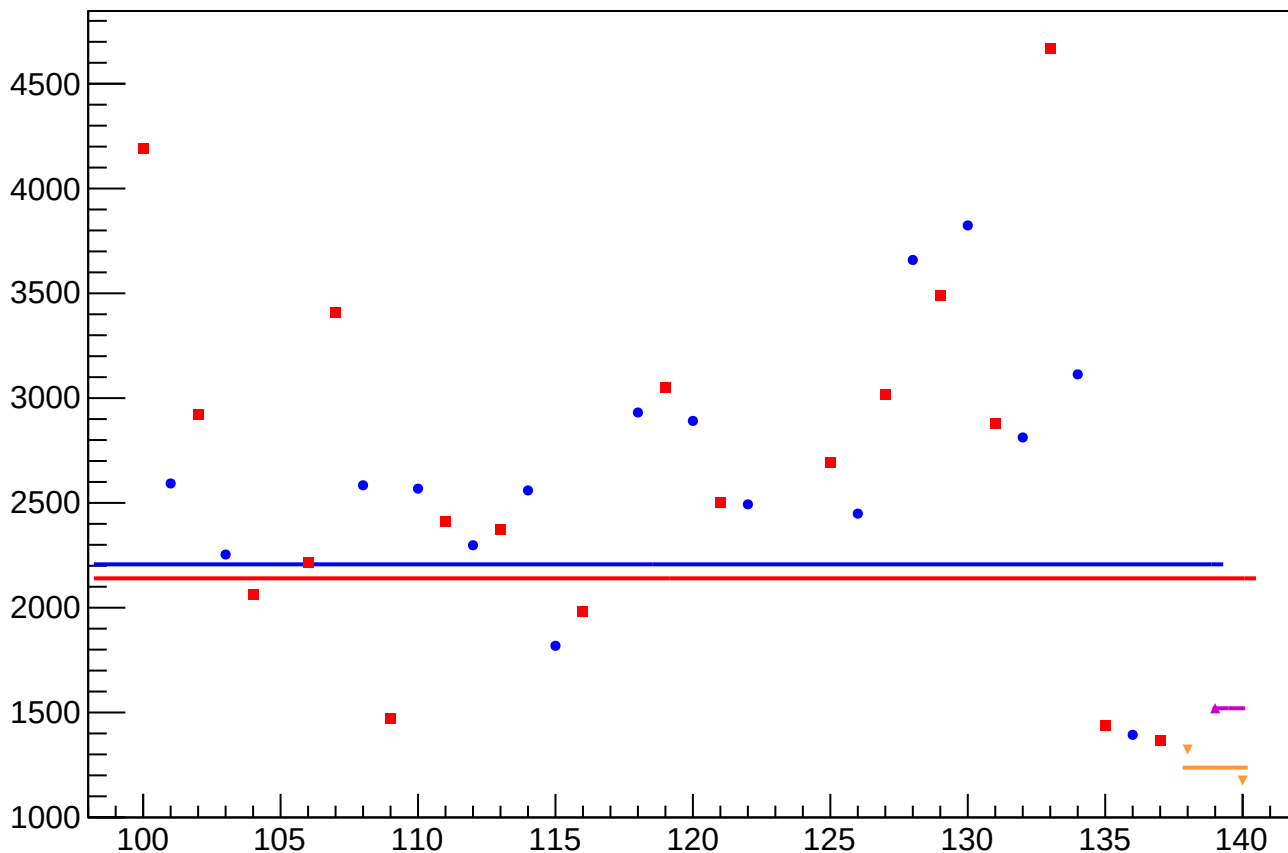
Left In: -2577.714 $\pm$ 1656.083 χ^2 /NDF:0.0/0

+ sign -1207.970 $\pm$ 647.081 χ^2 /NDF: 24.9/17

All: -1395.637 $\pm$ 491.084 χ^2 /NDF: 38.5/36

- sign -1650.543 $\pm$ 754.143 χ^2 /NDF: 13.4/18

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918 $\pm$ 0.610 χ^2 /NDF: 1249024.4/15

Left Out: 1237.026 $\pm$ 0.692 χ^2 /NDF: 11091.6/1

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

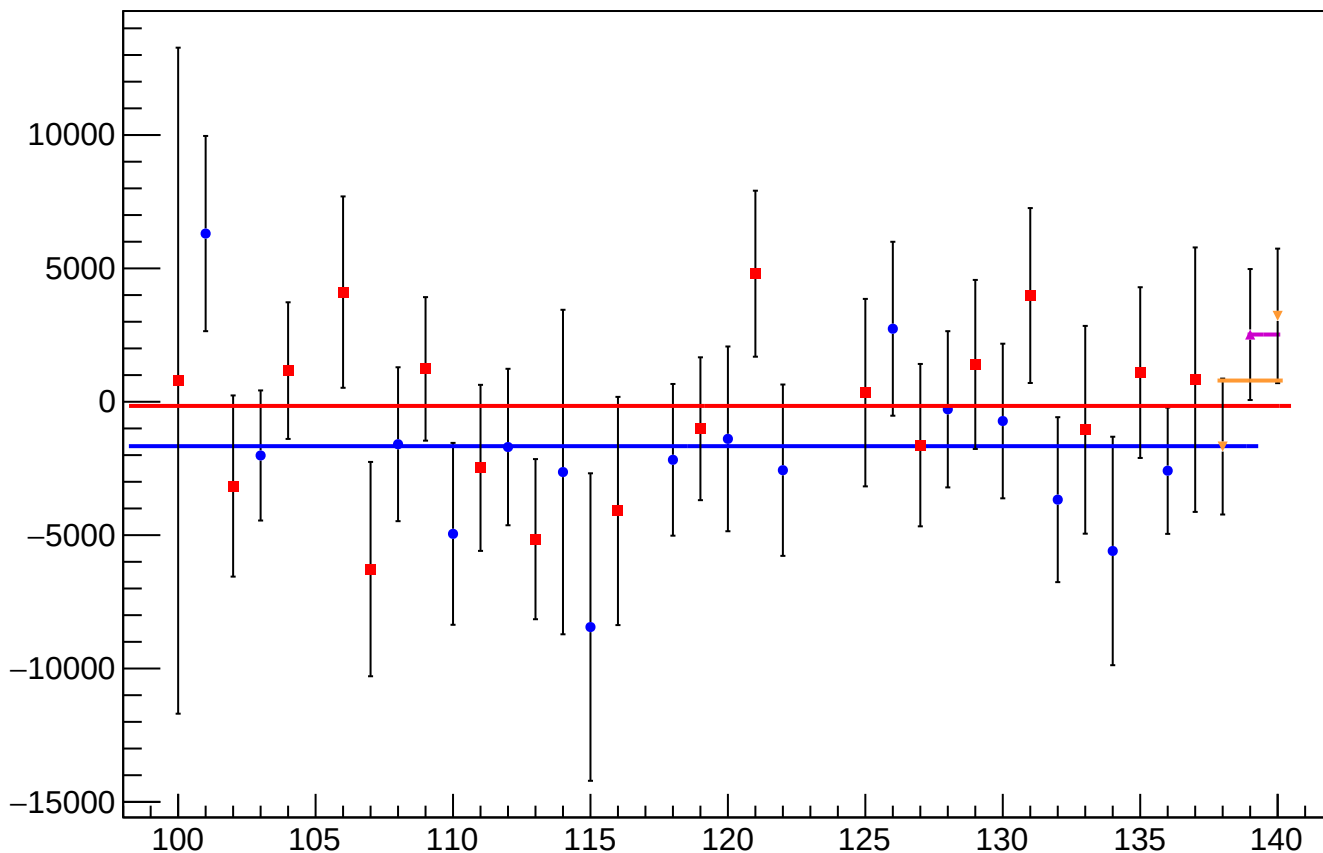
Left In: 1520.162 $\pm$ 1.171 χ^2 /NDF: 0.0/0

+ sign 1783.411 $\pm$ 0.458 χ^2 /NDF: 2365396.1/17

All: 1880.134 $\pm$ 0.347 χ^2 /NDF: 4141260.9/36

- sign 2011.512 $\pm$ 0.533 χ^2 /NDF: 1670481.6/18

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231 ± 792.164 χ^2/NDF : 10.8/15

Left Out: 795.820 ± 1792.112 χ^2/NDF : 1.9/1

Right Out: -155.775 ± 785.481 χ^2/NDF : 14.2/17

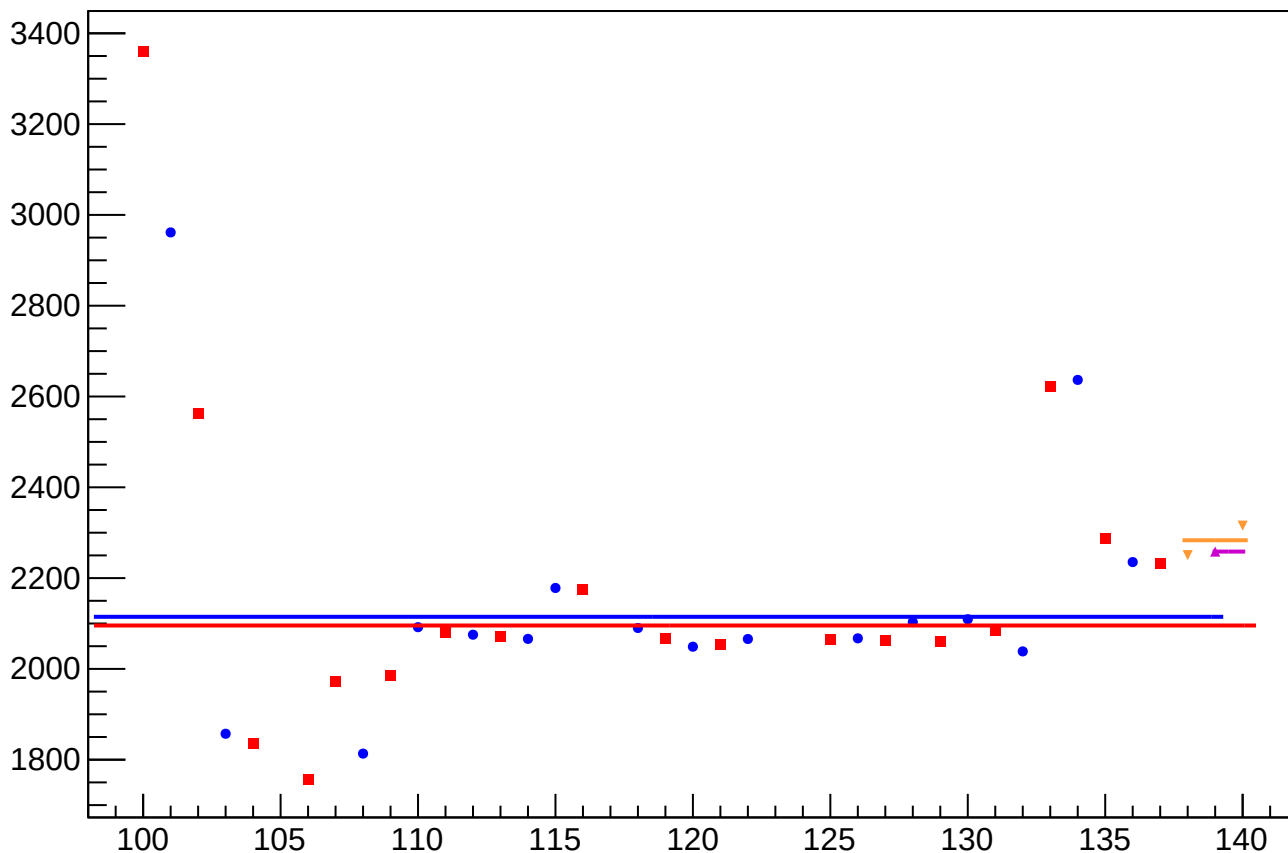
Left In: 2520.887 ± 2455.398 χ^2/NDF : 0.0/0

+ sign -1262.130 ± 724.537 χ^2/NDF : 14.2/17

All: -606.411 ± 520.467 χ^2/NDF : 31.2/36

- sign 92.714 ± 748.133 χ^2/NDF : 15.3/18

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: 2283.352+/-1.267 χ^2/NDF : 657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF : 149360.5/17

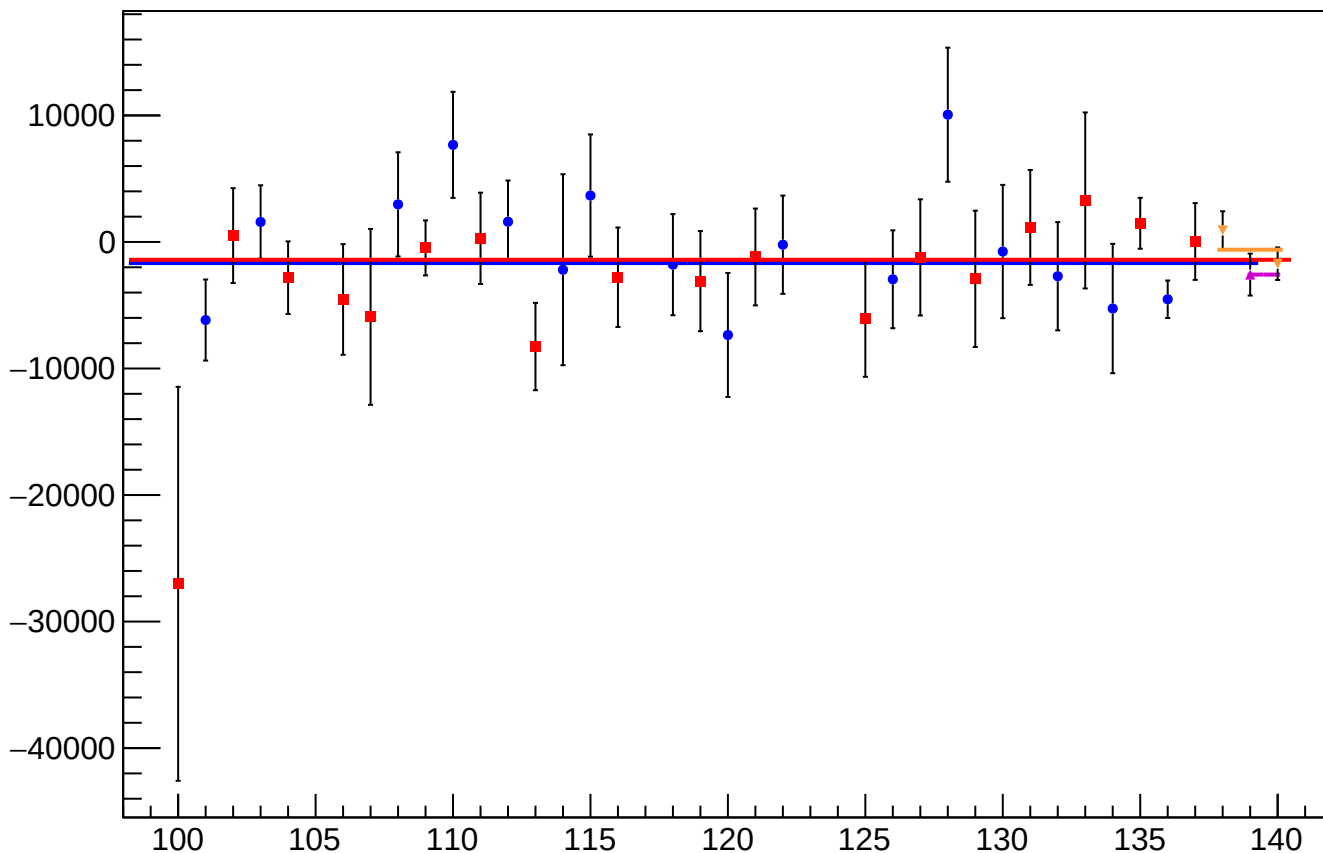
Left In: 2258.410+/-1.736 χ^2/NDF : 0.0/0

+ sign 2142.312+/-0.512 χ^2/NDF : 205386.4/17

All: 2127.018+/-0.368 χ^2/NDF : 364565.5/36

- sign 2110.712+/-0.529 χ^2/NDF : 157337.7/18

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -1668.482 $\pm$ 862.126 χ^2 /NDF: 22.5/15

Left Out: -613.842 $\pm$ 979.242 χ^2 /NDF:1.8/1

Right Out: -1407.975 $\pm$ 847.068 χ^2 /NDF: 13.0/17

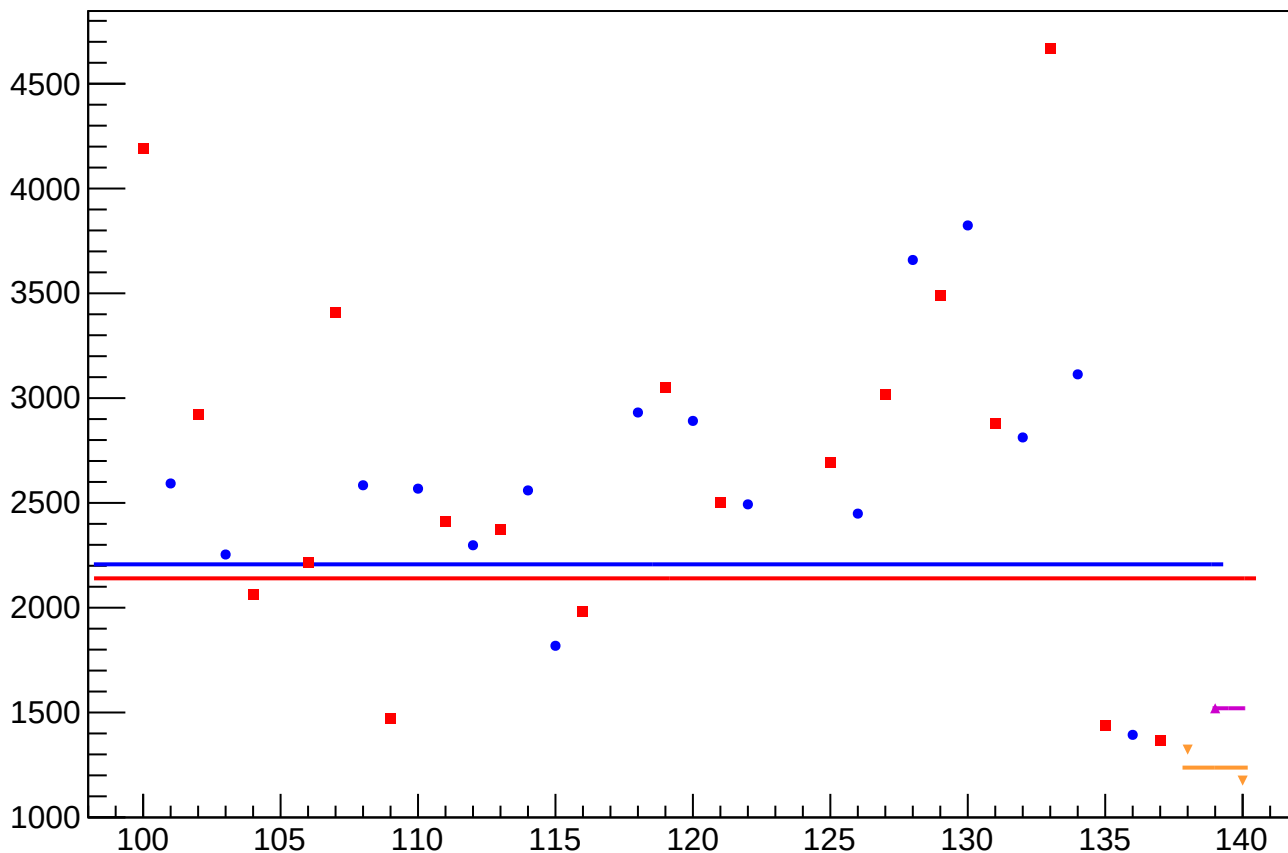
Left In: -2577.714 $\pm$ 1656.083 χ^2 /NDF:0.0/0

+ sign -1207.970 $\pm$ 647.081 χ^2 /NDF: 24.9/17

All: -1395.637 $\pm$ 491.084 χ^2 /NDF: 38.5/36

- sign -1650.543 $\pm$ 754.143 χ^2 /NDF: 13.4/18

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2206.918 $\pm$ 0.610 χ^2 /NDF: 1249024.4/15

Left Out: 1237.026 $\pm$ 0.692 χ^2 /NDF: 11091.6/1

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

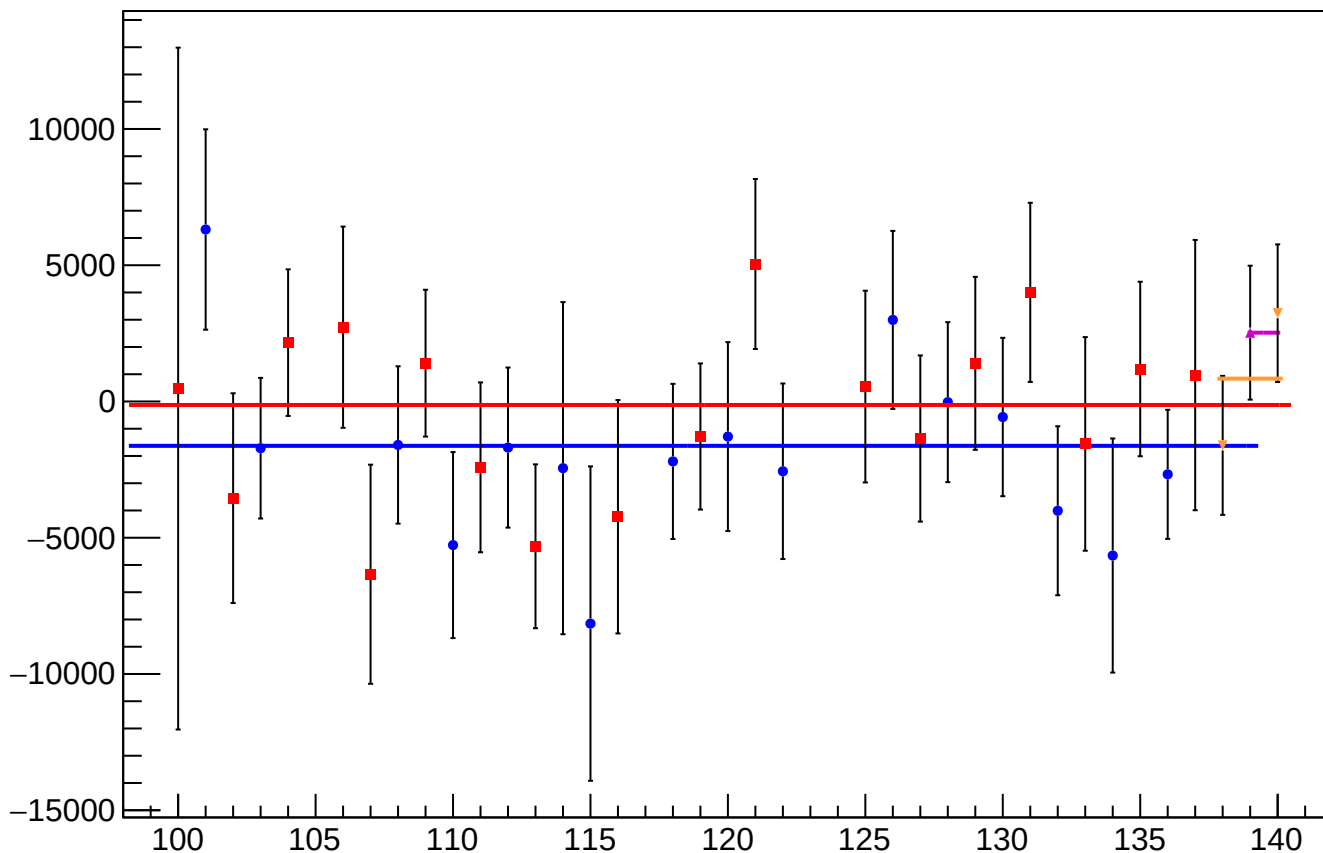
Left In: 1520.162 $\pm$ 1.171 χ^2 /NDF: 0.0/0

+ sign 1783.411 $\pm$ 0.458 χ^2 /NDF: 2365396.1/17

All: 1880.134 $\pm$ 0.347 χ^2 /NDF: 4141260.9/36

- sign 2011.512 $\pm$ 0.533 χ^2 /NDF: 1670481.6/18

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635 ± 797.966 χ^2/NDF : 11.3/15

Left Out: 838.952 ± 1794.120 χ^2/NDF : 1.8/1

Right Out: -128.099 ± 795.899 χ^2/NDF : 14.6/17

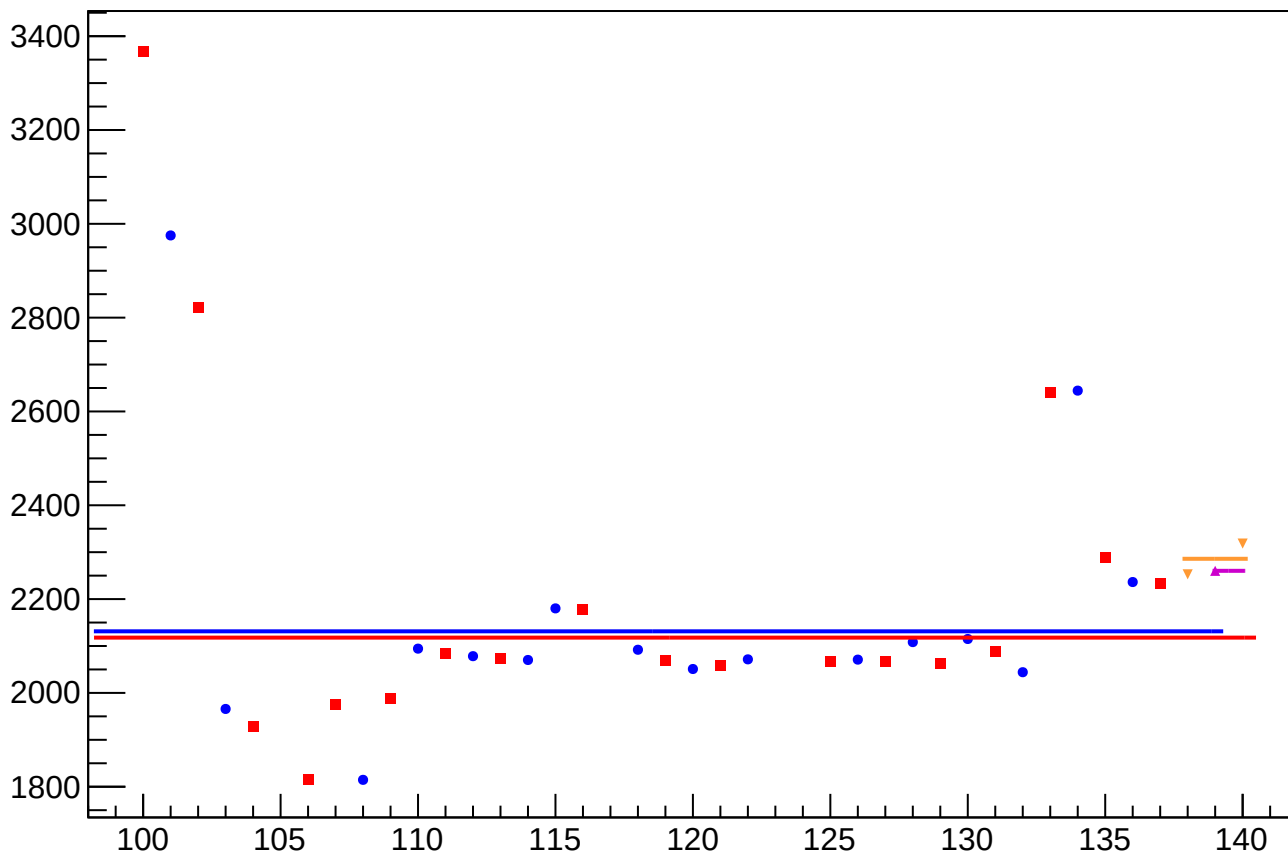
Left In: 2525.050 ± 2457.462 χ^2/NDF : 0.0/0

+ sign -1220.281 ± 729.104 χ^2/NDF : 14.7/17

All: -573.632 ± 525.199 χ^2/NDF : 32.0/36

- sign 123.775 ± 757.178 χ^2/NDF : 15.6/18

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298 $\pm$ 0.564 χ^2 /NDF: 175943.3/15

Left Out: 2285.907 $\pm$ 1.269 χ^2 /NDF: 668.6/1

Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.7/17

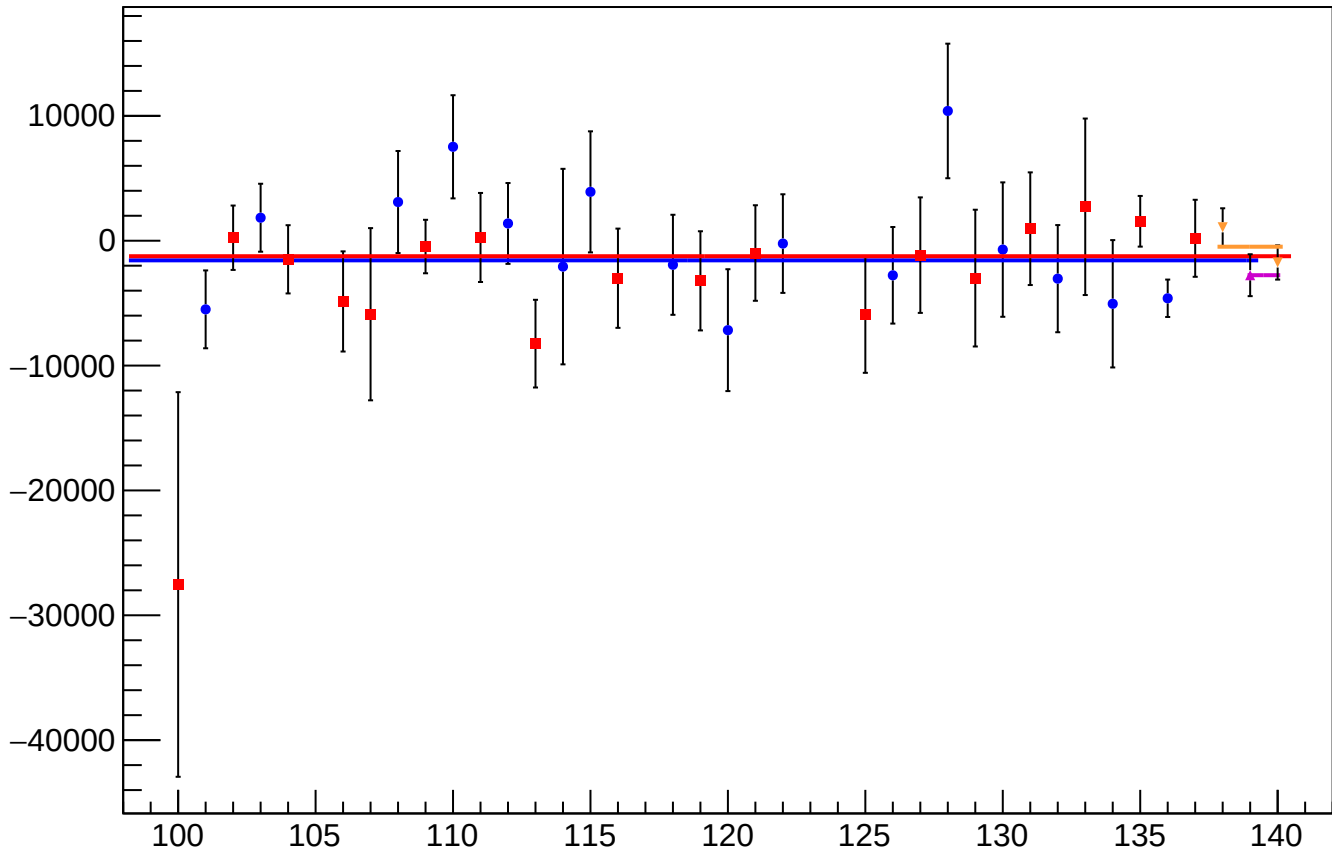
Left In: 2260.252 $\pm$ 1.738 χ^2 /NDF: 0.0/0

+ sign 2156.832 $\pm$ 0.516 χ^2 /NDF: 189011.4/17

All: 2144.589 $\pm$ 0.371 χ^2 /NDF: 359882.9/36

- sign 2131.385 $\pm$ 0.535 χ^2 /NDF: 169699.4/18

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -1571.073+/-859.754 χ^2/NDF : 22.6/15

Left Out: -479.892+/-1019.842 χ^2/NDF : 1.9/1

Right Out: -1241.008+/-819.775 χ^2/NDF : 13.1/17

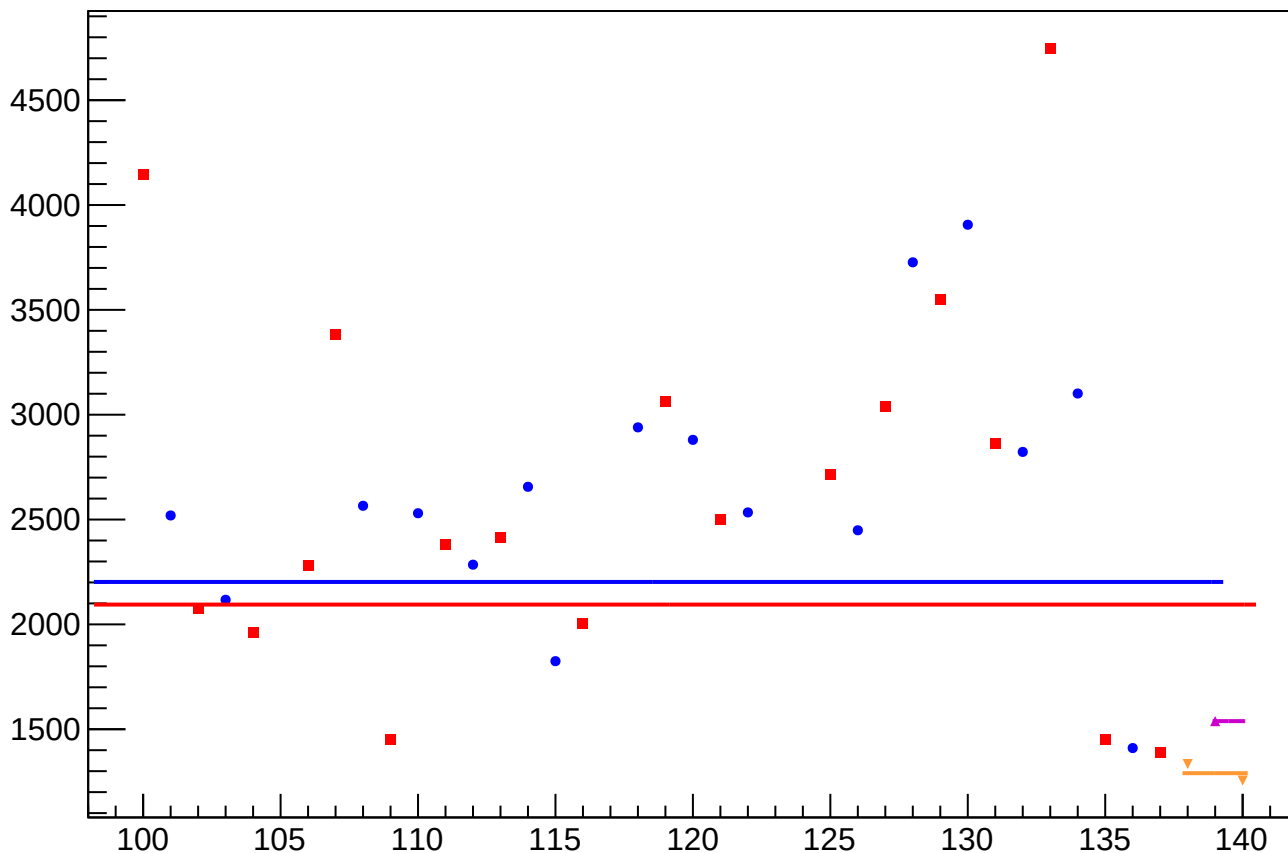
Left In: -2760.930+/-1677.679 χ^2/NDF : 0.0/0

+ sign -1117.750+/-657.337 χ^2/NDF : 25.2/17

All: -1302.282+/-490.429 χ^2/NDF : 39.1/36

- sign -1533.965+/-736.546 χ^2/NDF : 13.7/18

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF : 1222965.0/15

Left Out: 1290.395+/-0.721 χ^2/NDF : 2968.6/1

Right Out: 2094.445+/-0.580 χ^2/NDF : 1373676.8/17

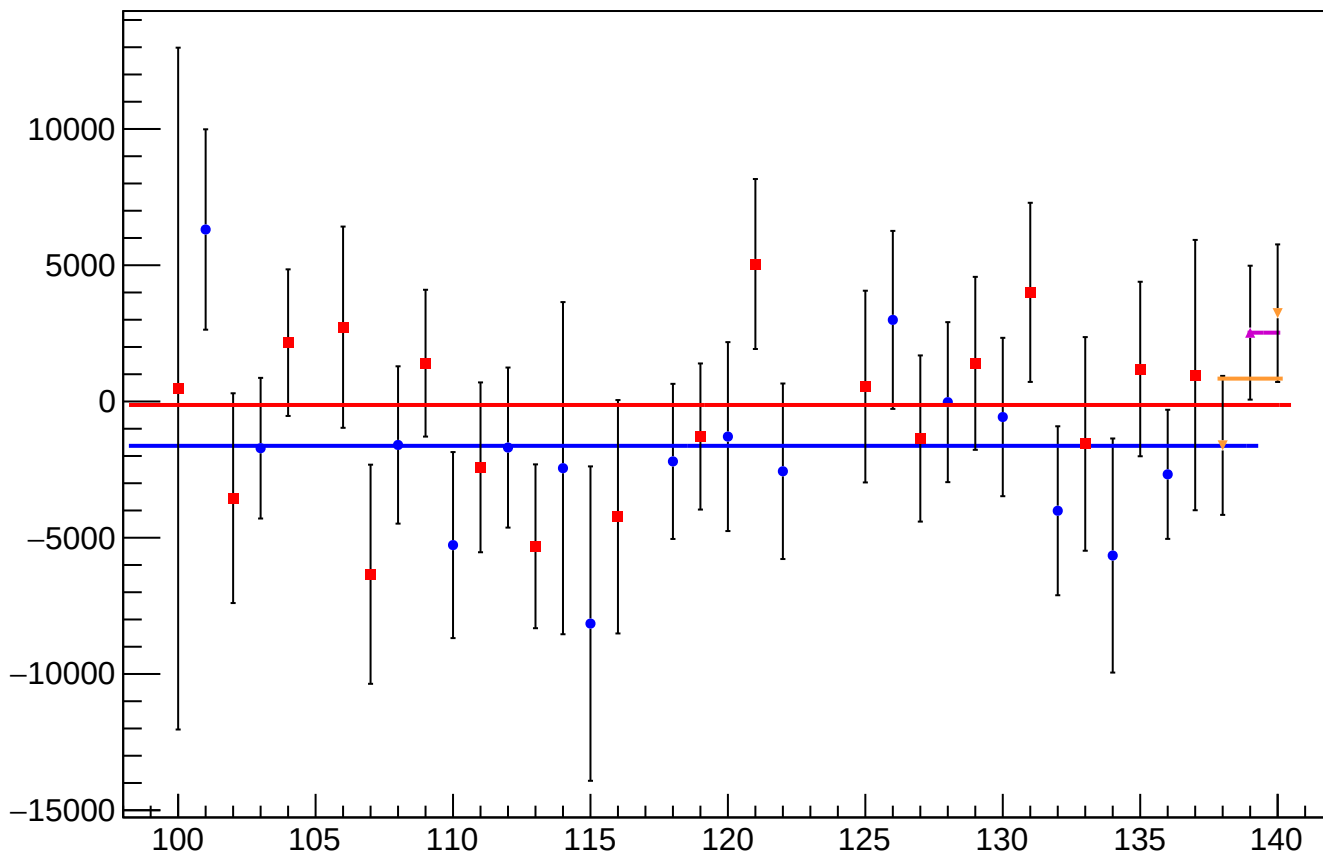
Left In: 1538.663+/-1.186 χ^2/NDF : 0.0/0

+ sign 1823.502+/-0.465 χ^2/NDF : 2160835.7/17

All: 1896.132+/-0.347 χ^2/NDF : 3766772.1/30

- sign 1987.321+/-0.521 χ^2/NDF : 1550864.1/18

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.637 ± 797.966 χ^2/NDF : 11.3/15

Left Out: 838.969 ± 1794.120 χ^2/NDF : 1.8/1

Right Out: -128.093 ± 795.899 χ^2/NDF : 14.6/17

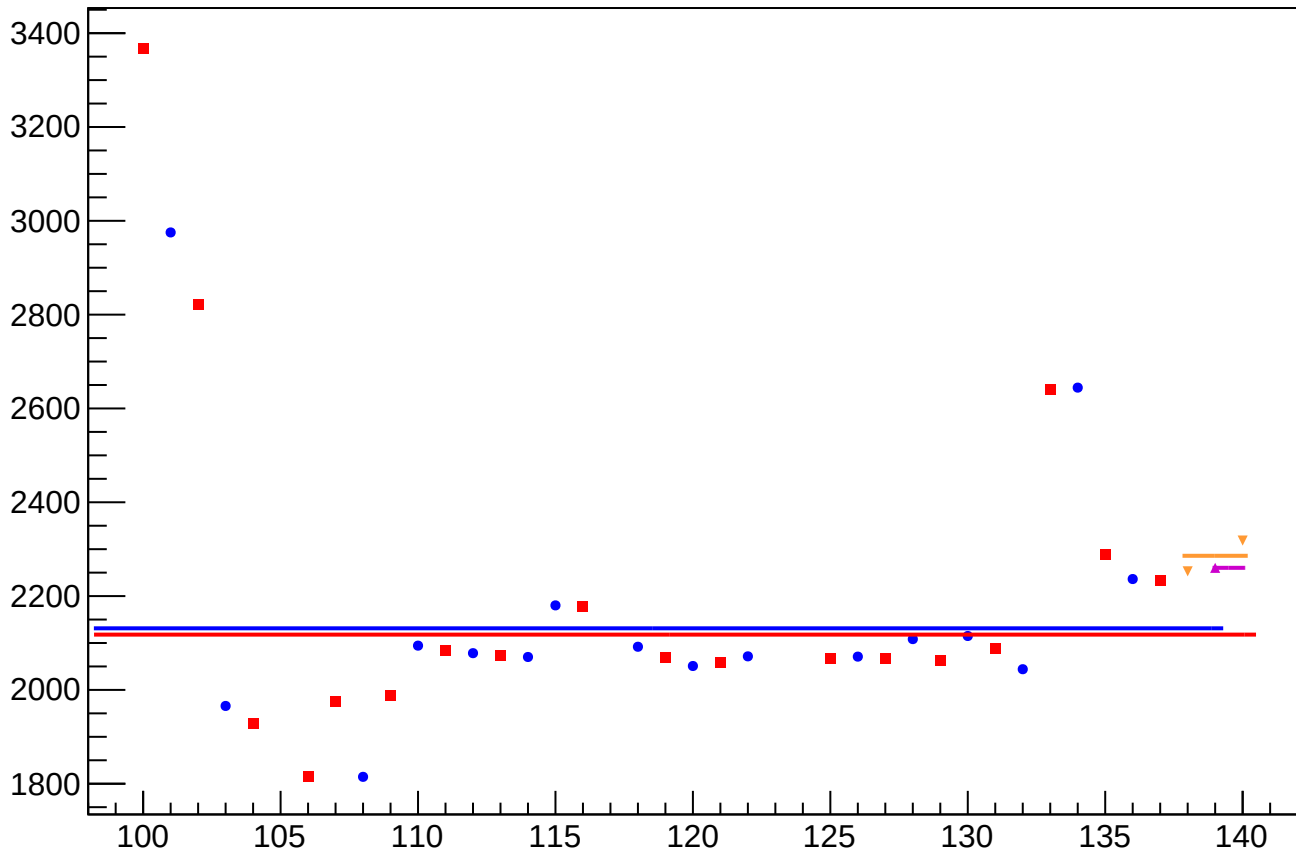
Left In: 2525.003 ± 2457.462 χ^2/NDF : 0.0/0

+ sign -1220.280 ± 729.104 χ^2/NDF : 14.7/17

All: -573.631 ± 525.199 χ^2/NDF : 32.0/36

- sign 123.776 ± 757.178 χ^2/NDF : 15.6/18

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298 $\pm$ 0.564 χ^2 /NDF: 175943.3/15

Left Out: 2285.907 $\pm$ 1.269 χ^2 /NDF: 668.6/1

Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.6/17

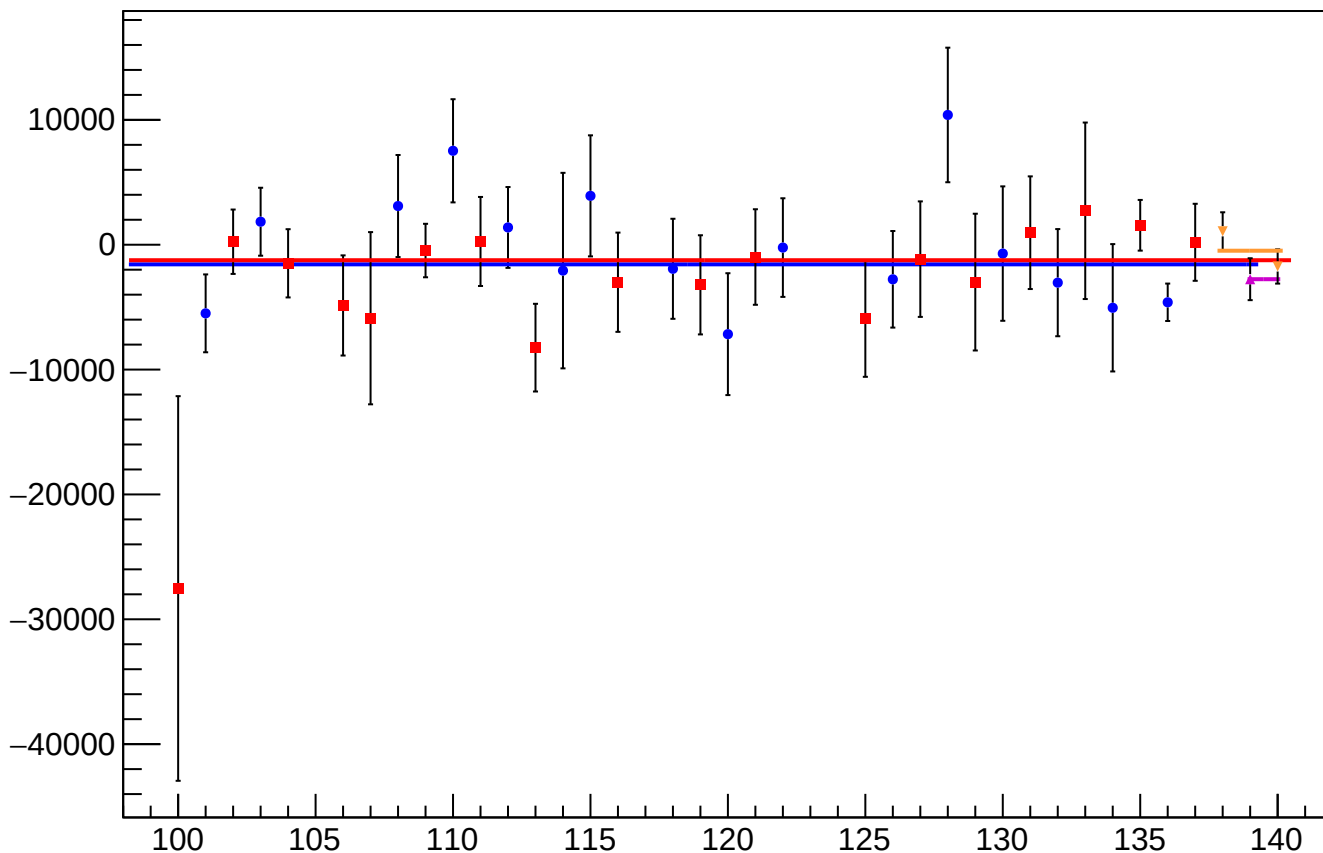
Left In: 2260.252 $\pm$ 1.738 χ^2 /NDF: 0.0/0

+ sign 2156.832 $\pm$ 0.516 χ^2 /NDF: 189011.4/17

All: 2144.589 $\pm$ 0.371 χ^2 /NDF: 359882.8/36

- sign 2131.385 $\pm$ 0.535 χ^2 /NDF: 169699.3/18

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -1571.058 $\pm$ 859.757 χ^2 /NDF: 22.6/15

Left Out: -479.903 $\pm$ 1019.854 χ^2 /NDF:1.9/1

Right Out: -1241.023 $\pm$ 819.778 χ^2 /NDF: 13.1/17

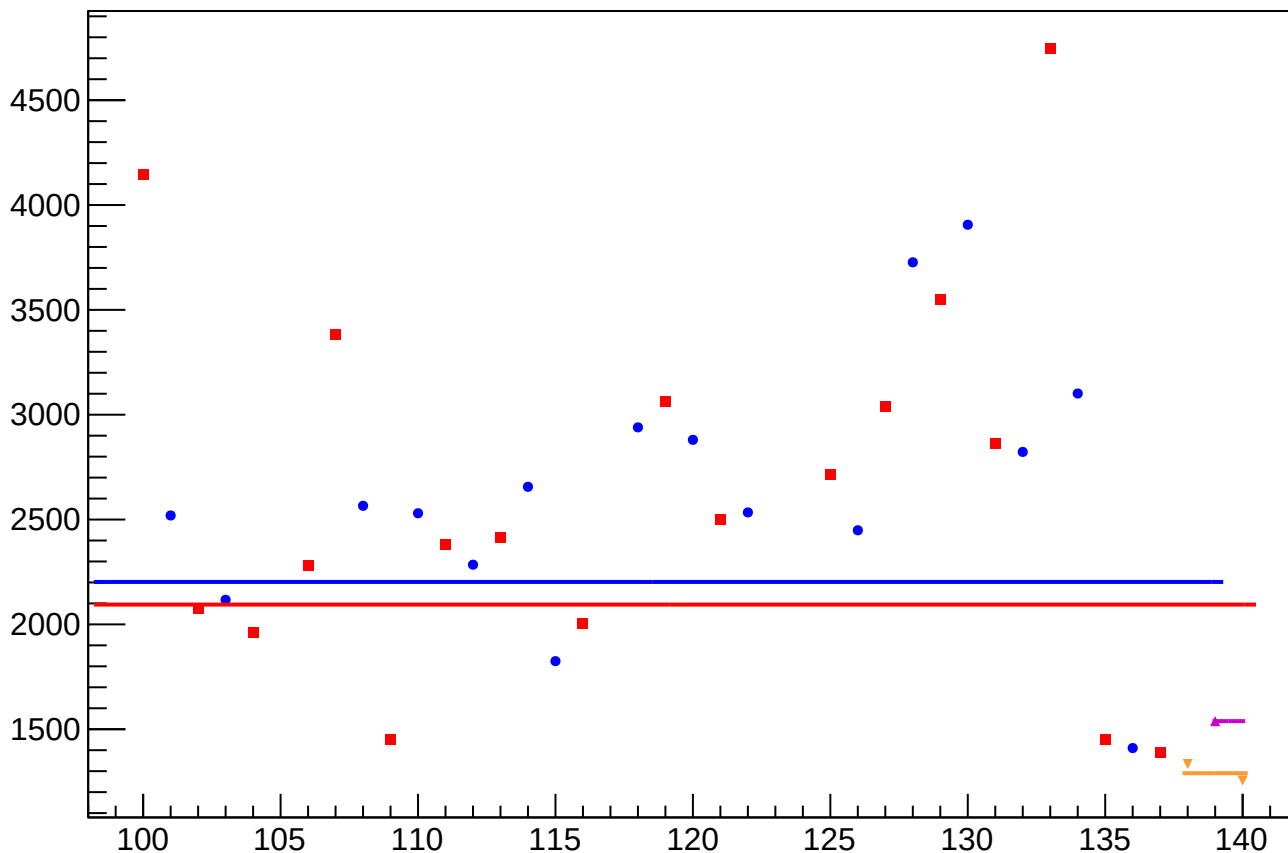
Left In: -2760.970 $\pm$ 1677.710 χ^2 /NDF:0.0/0

+ sign -1117.751 $\pm$ 657.341 χ^2 /NDF: 25.2/17

All: -1302.288 $\pm$ 490.433 χ^2 /NDF: 39.1/36

- sign -1533.978 $\pm$ 736.551 χ^2 /NDF: 13.7/18

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 2202.391+/-0.608 χ^2/NDF : 1222905.3/15

Left Out: 1290.410+/-0.721 χ^2/NDF : 2970.4/1

+ sign 1823.520+/-0.465 χ^2/NDF : 2160756.0/17

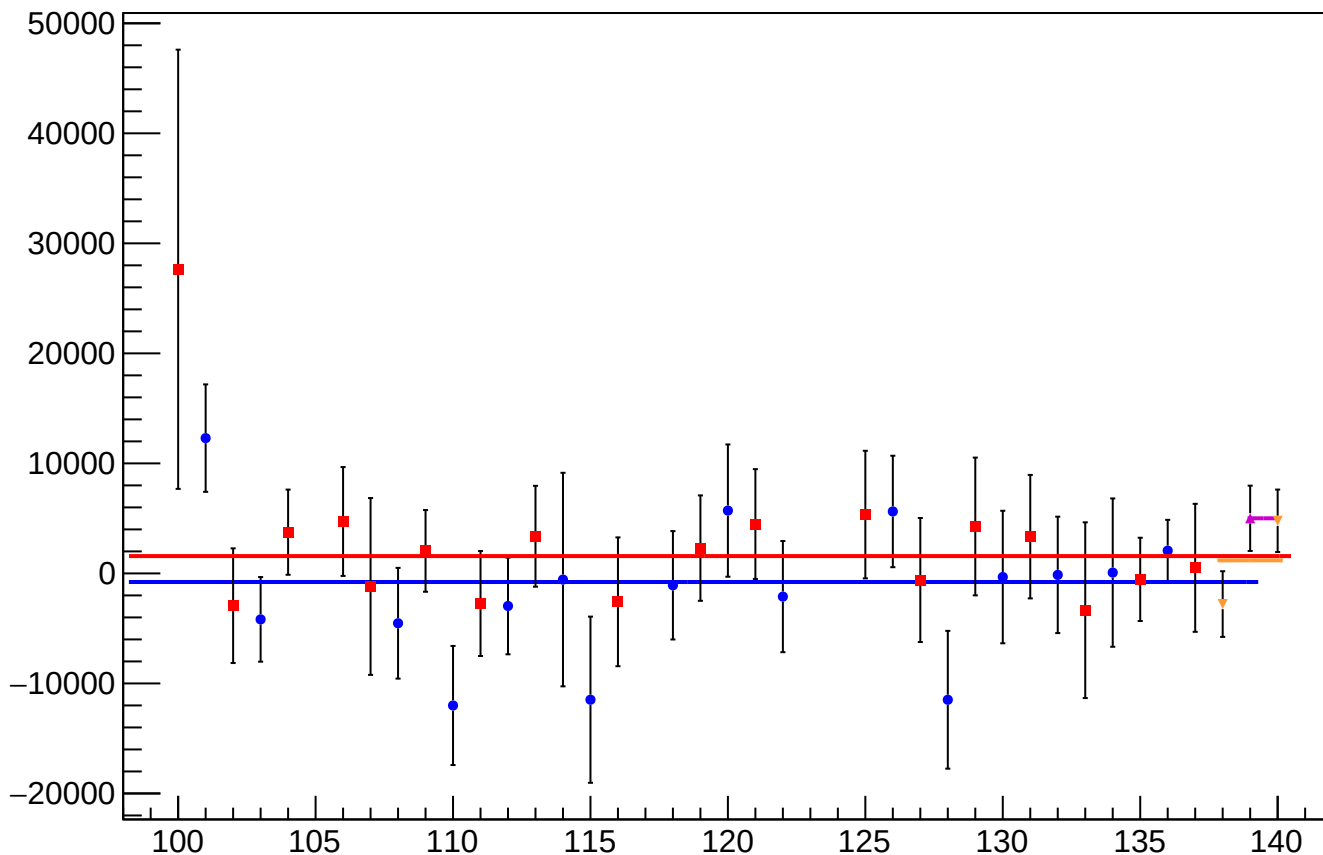
Right Out: 2094.457+/-0.580 χ^2/NDF : 1373629.6/17

All: 1896.150+/-0.347 χ^2/NDF : 3766628.2/30

- sign 1987.339+/-0.521 χ^2/NDF : 1550800.1/18

Left In: 1538.692+/-1.186 χ^2/NDF : 0.0/0

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619 ± 1241.711 χ^2/NDF : 21.9/15

Left Out: 1187.542 ± 2057.026 χ^2/NDF : 3.4/1

Right Out: 1574.673 ± 1218.961 χ^2/NDF : 6.7/17

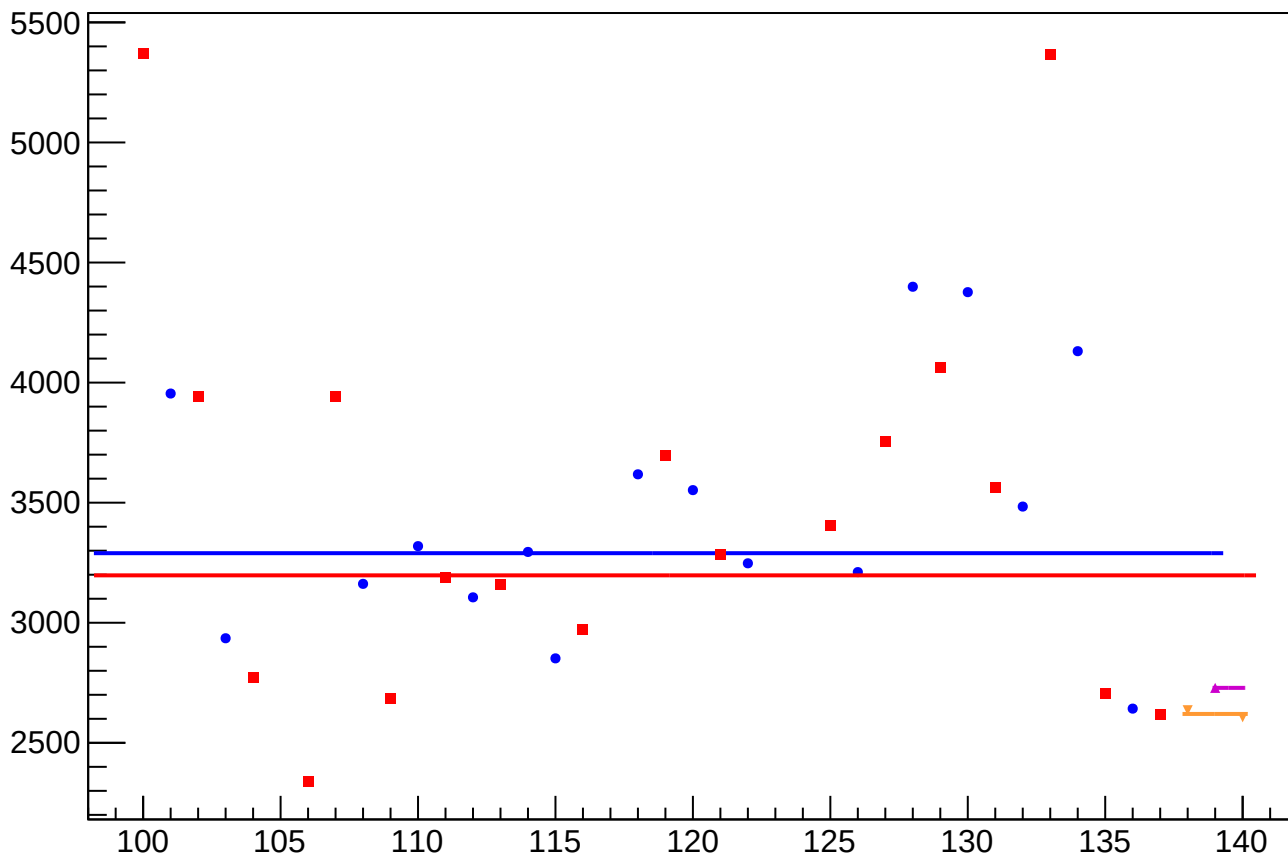
Left In: 5008.548 ± 2967.431 χ^2/NDF : 0.0/0

+ sign -255.716 ± 1063.046 χ^2/NDF : 25.9/17

All: 838.943 ± 773.482 χ^2/NDF : 36.1/36

- sign 2070.449 ± 1127.537 χ^2/NDF : 7.9/18

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF : 347594.0/15

Left Out: 2620.268+/-1.455 χ^2/NDF :100.9/1

Right Out: 3197.375+/-0.862 χ^2/NDF : 499934.1/17

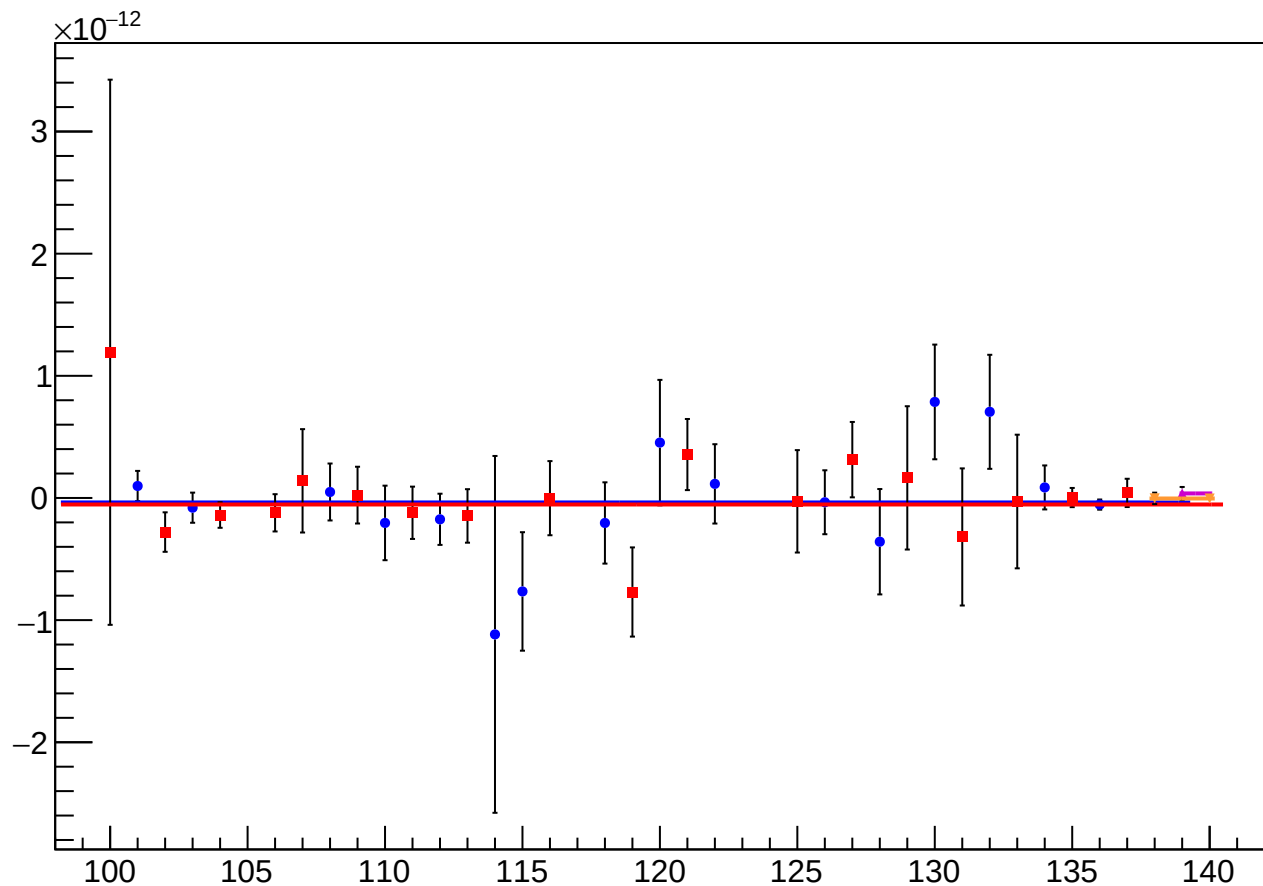
Left In: 2728.870+/-2.098 χ^2/NDF :0.0/0

+ sign 3110.908+/-0.752 χ^2/NDF : 502938.1/17

All: 3119.768+/-0.547 χ^2/NDF : 1045823.5/30

- sign 3129.735+/-0.797 χ^2/NDF : 542590.2/18

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

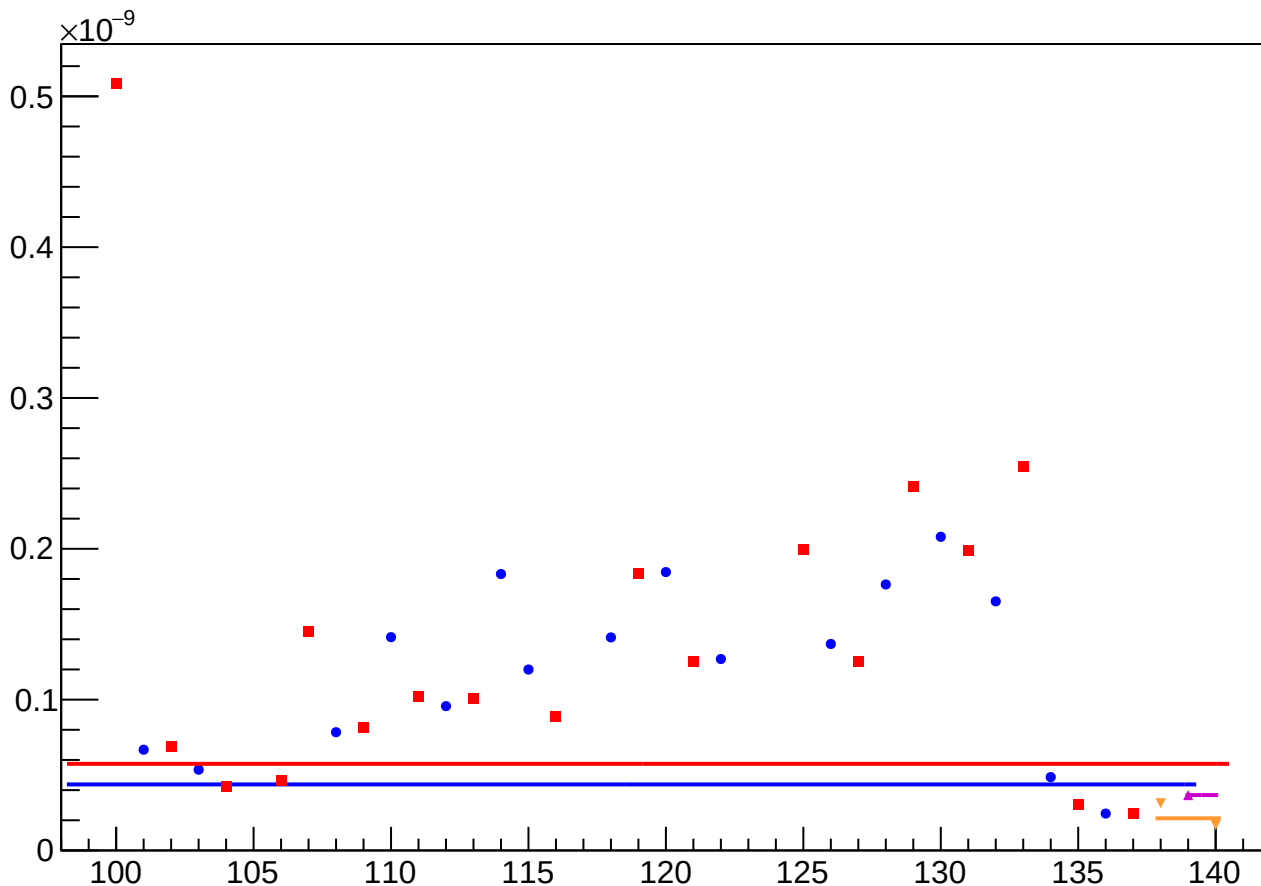
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2227887.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:131118.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2086696.1/17

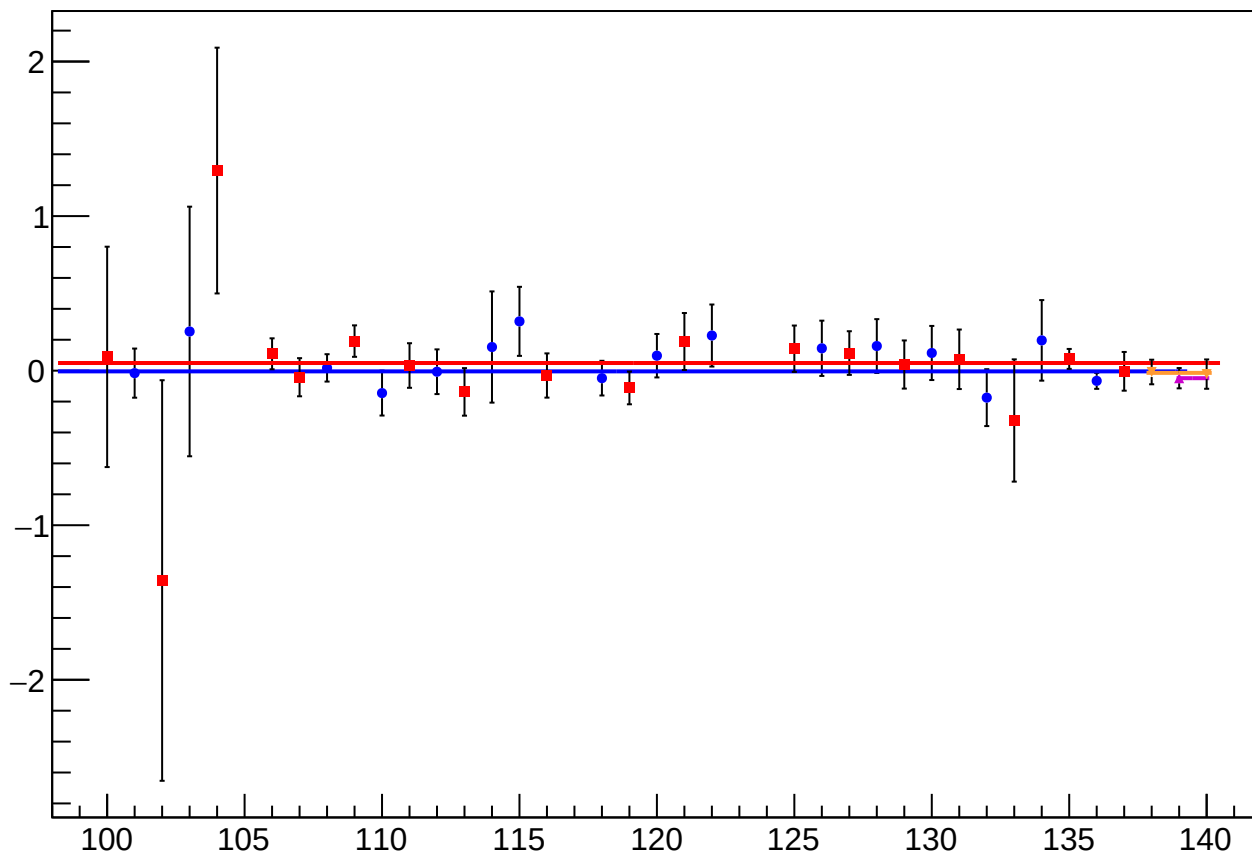
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2902319.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5667118.8/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2270042.2/18

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.032 χ^2/NDF : 10.3/15

Left Out: -0.014 ± 0.061 χ^2/NDF : 0.0/1

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

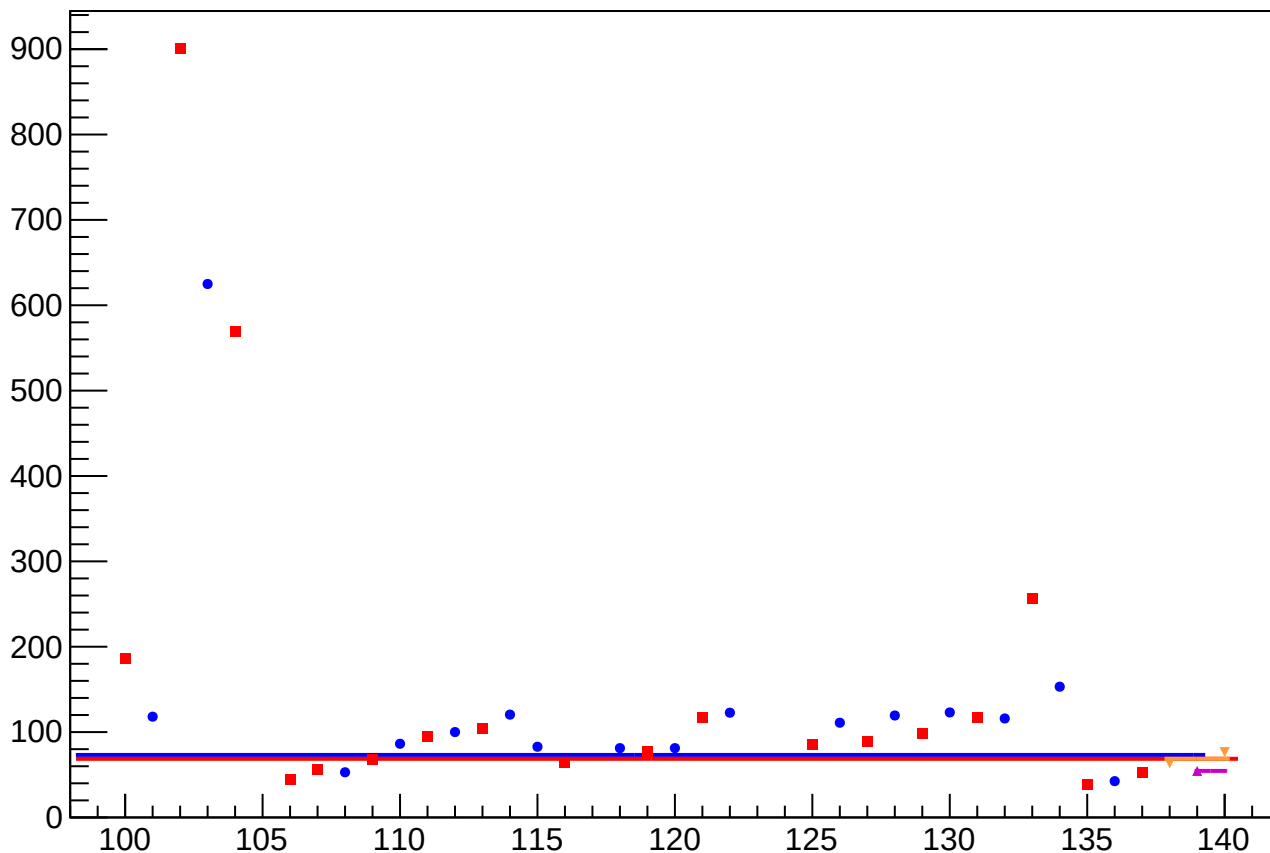
Left In: -0.049 ± 0.066 χ^2/NDF : 0.0/0

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.012 ± 0.020 χ^2/NDF : 26.1/36

- sign 0.031 ± 0.029 χ^2/NDF : 14.8/18

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234 $\pm$ 0.023 χ^2 /NDF: 2854601.2/15

Left Out: 68.786 $\pm$ 0.043 χ^2 /NDF: 22426.9/1

Right Out: 68.724 $\pm$ 0.022 χ^2 /NDF: 3331744.2/17

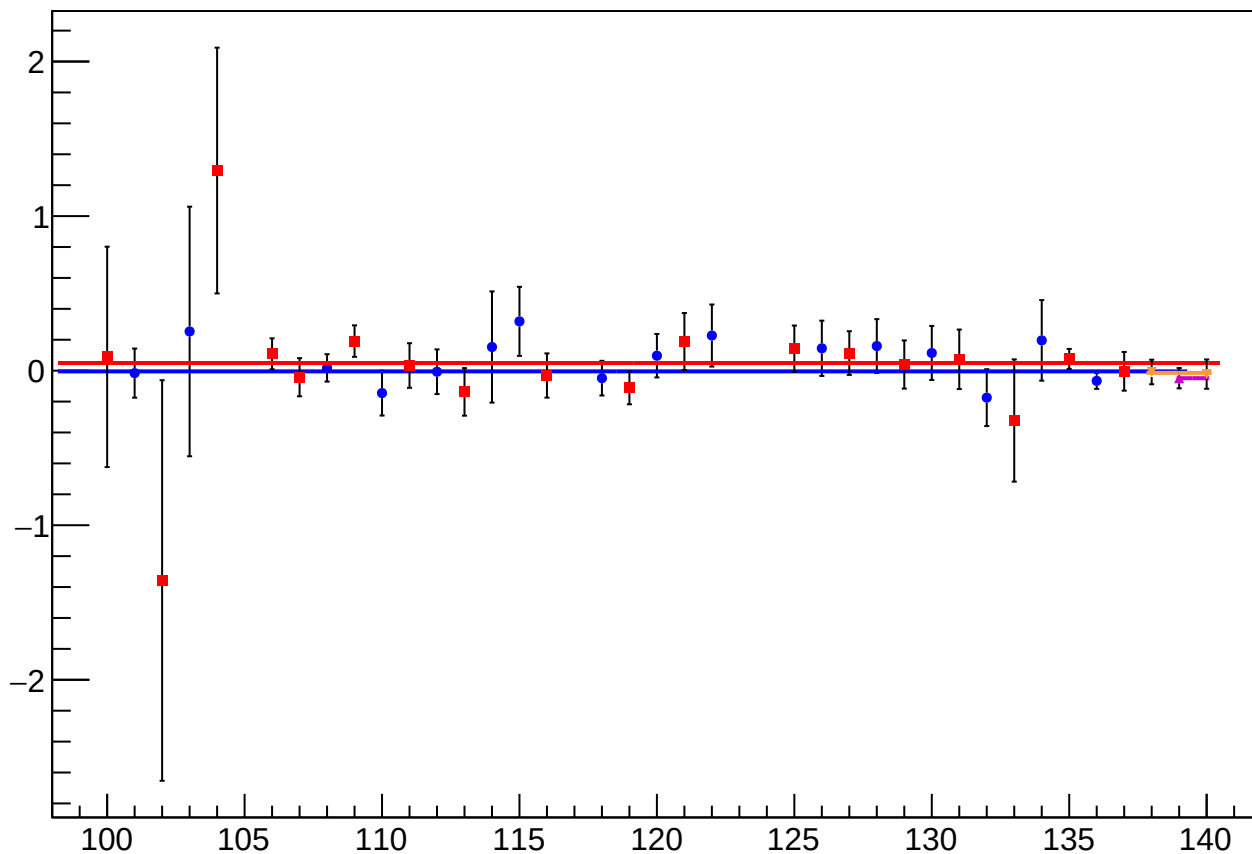
Left In: 54.522 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 72.263 $\pm$ 0.020 χ^2 /NDF: 2885354.9/17

All: 69.158 $\pm$ 0.014 χ^2 /NDF: 6340526.1/36

- sign 66.047 $\pm$ 0.020 χ^2 /NDF: 3407618.3/18

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.032 χ^2/NDF : 10.3/15

Left Out: -0.014 ± 0.061 χ^2/NDF : 0.0/1

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

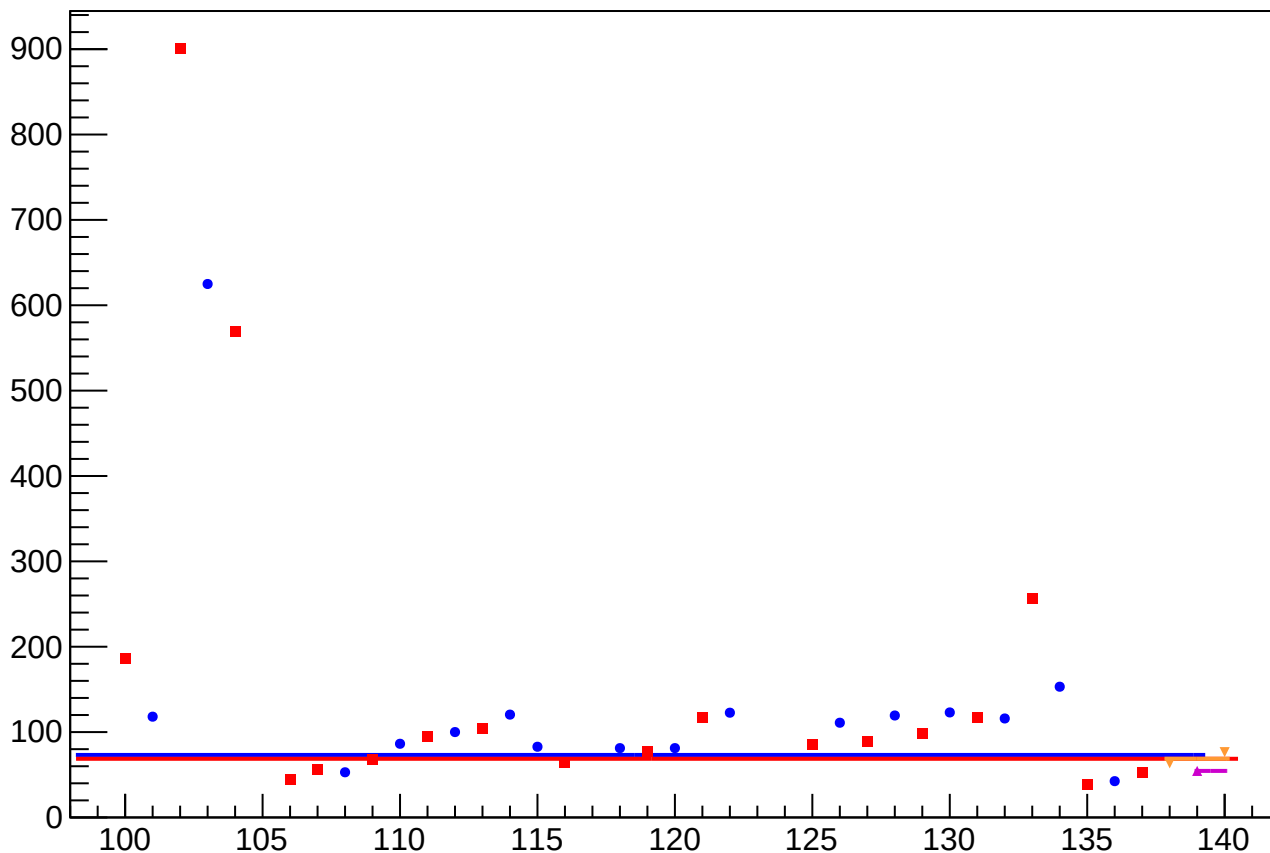
Left In: -0.049 ± 0.066 χ^2/NDF : 0.0/0

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.012 ± 0.020 χ^2/NDF : 26.1/36

- sign 0.031 ± 0.029 χ^2/NDF : 14.8/18

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234 $\pm$ 0.023 χ^2 /NDF: 2854601.2/15

Left Out: 68.786 $\pm$ 0.043 χ^2 /NDF: 22426.9/1

Right Out: 68.724 $\pm$ 0.022 χ^2 /NDF: 3331744.2/17

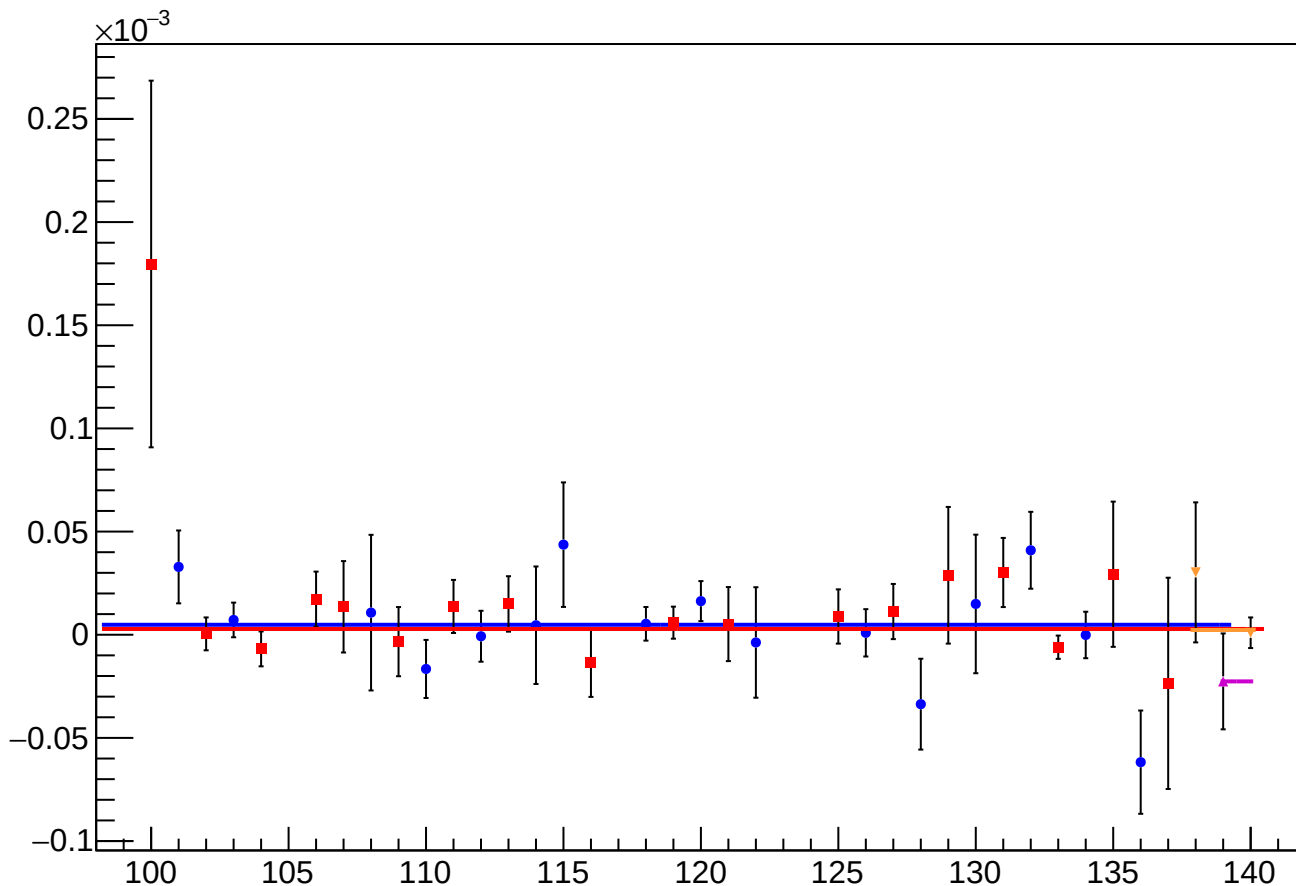
Left In: 54.522 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 72.263 $\pm$ 0.020 χ^2 /NDF: 2885354.9/17

All: 69.158 $\pm$ 0.014 χ^2 /NDF: 6340526.1/36

- sign 66.047 $\pm$ 0.020 χ^2 /NDF: 3407618.3/18

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_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 : 0.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.8/17

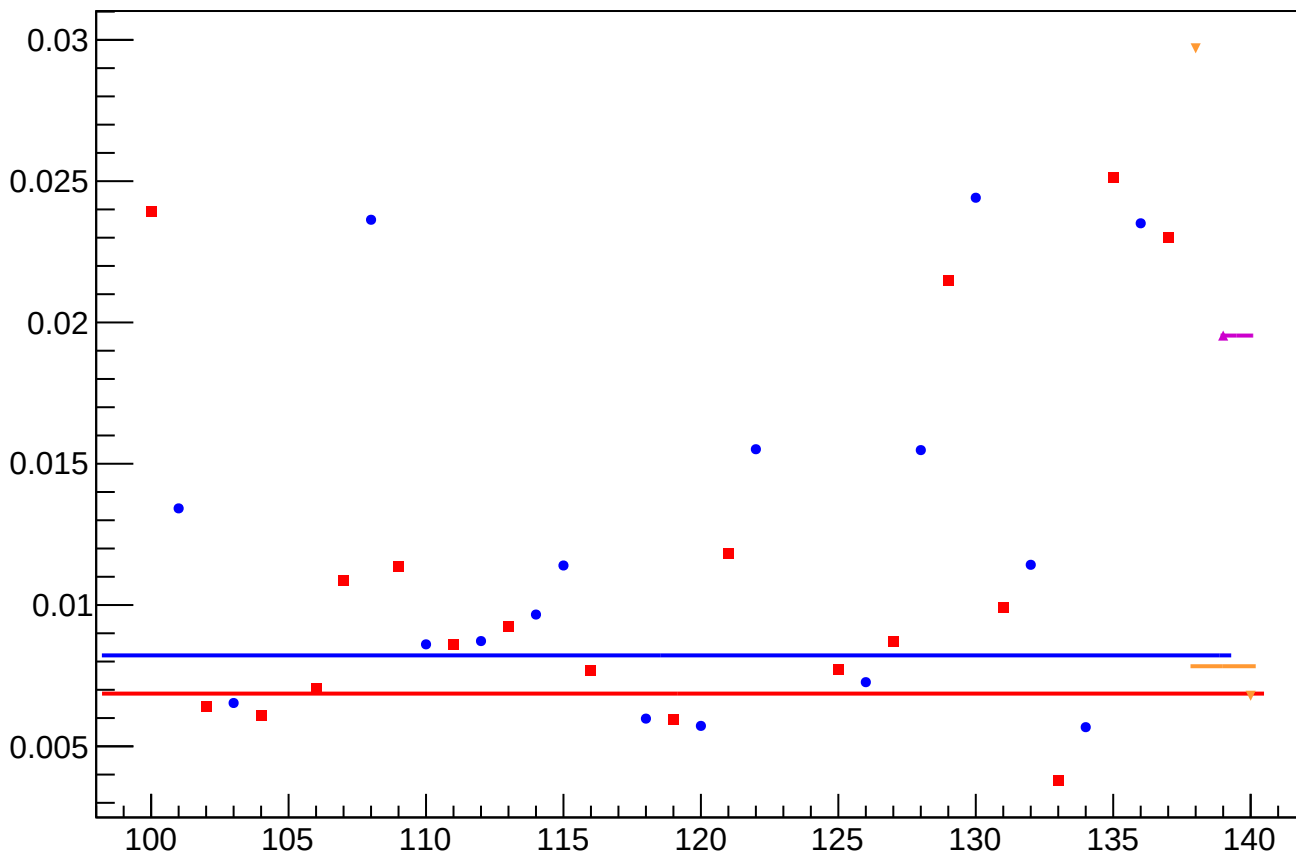
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 23.4/17

All: 0.000 ± 0.000 χ^2/NDF : 41.6/36

- sign 0.000 ± 0.000 χ^2/NDF : 18.0/18

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF : 870213.4/1

Right Out: 0.007+/-0.000 χ^2/NDF : 2426444.0/17

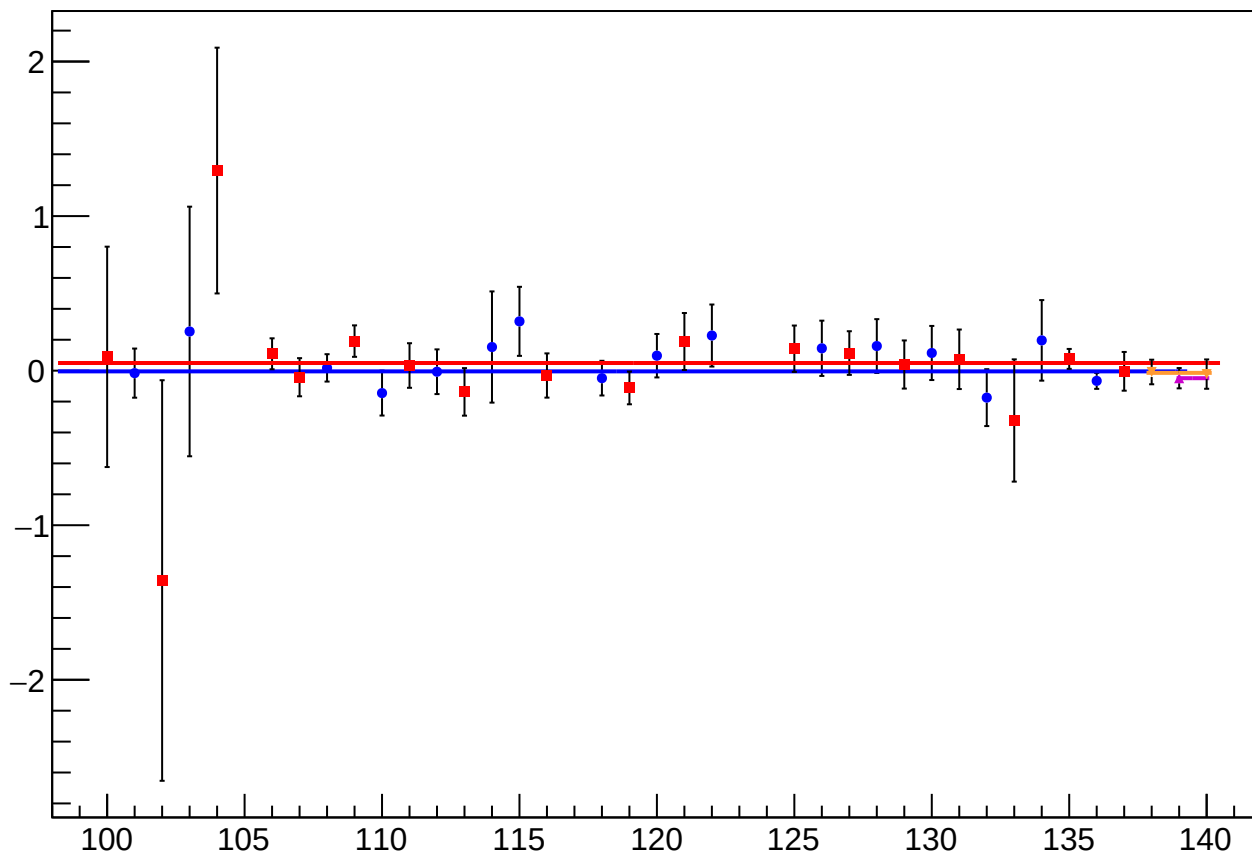
Left In: 0.020+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 3530930.5/17

All: 0.008+/-0.000 χ^2/NDF : 6677672.2/36

- sign 0.007+/-0.000 χ^2/NDF : 3012340.0/18

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.032 $\chi^2/\text{NDF} = 10.3/15$

Left Out: -0.014 ± 0.061 $\chi^2/\text{NDF} = 0.0/1$

Right Out: 0.050 ± 0.032 $\chi^2/\text{NDF} = 13.0/17$

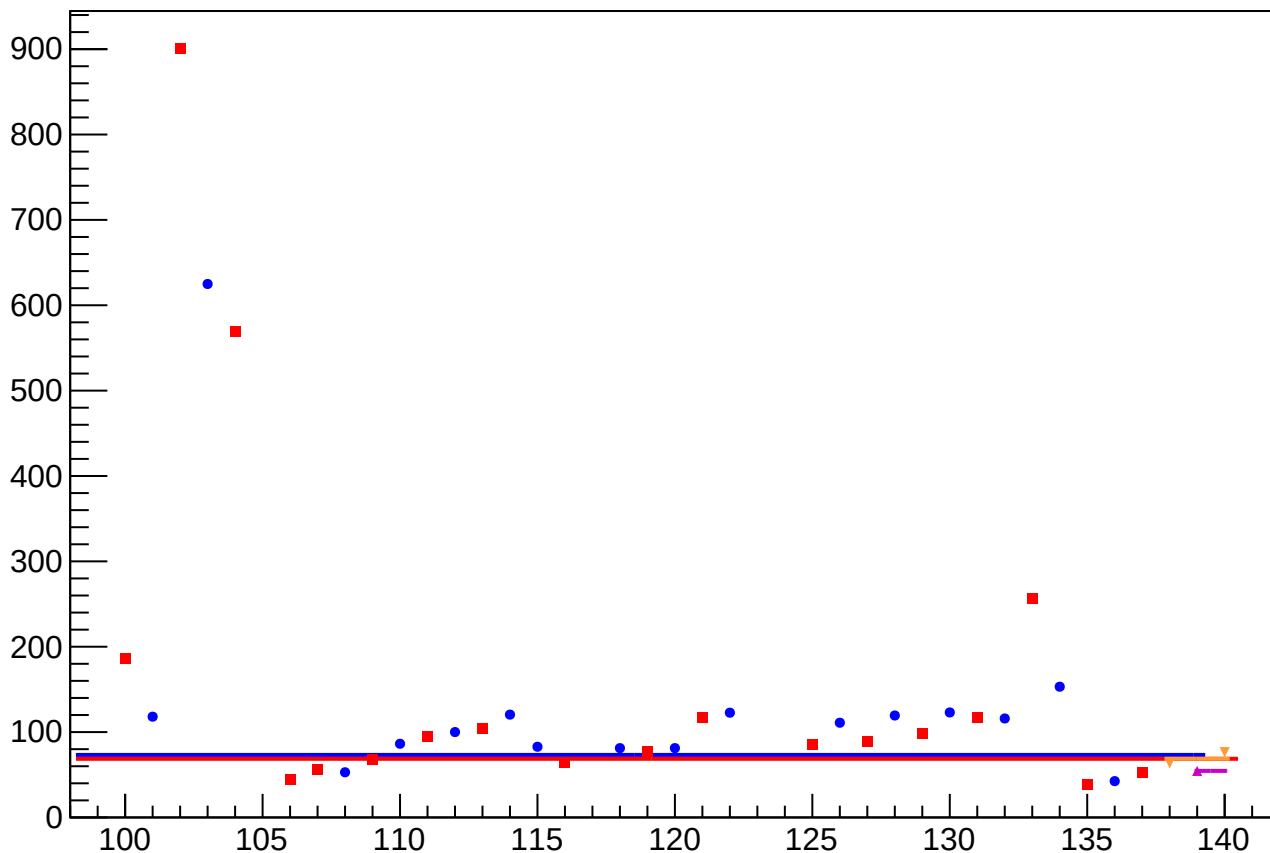
Left In: -0.049 ± 0.066 $\chi^2/\text{NDF} = 0.0/0$

+ sign -0.007 ± 0.028 $\chi^2/\text{NDF} = 10.3/17$

All: 0.012 ± 0.020 $\chi^2/\text{NDF} = 26.1/36$

- sign 0.031 ± 0.029 $\chi^2/\text{NDF} = 14.8/18$

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.260 $\pm$ 0.023 χ^2 /NDF: 2852306.8/15

Left Out: 68.796 $\pm$ 0.043 χ^2 /NDF: 22414.7/1

Right Out: 68.713 $\pm$ 0.022 χ^2 /NDF: 3332744.7/17

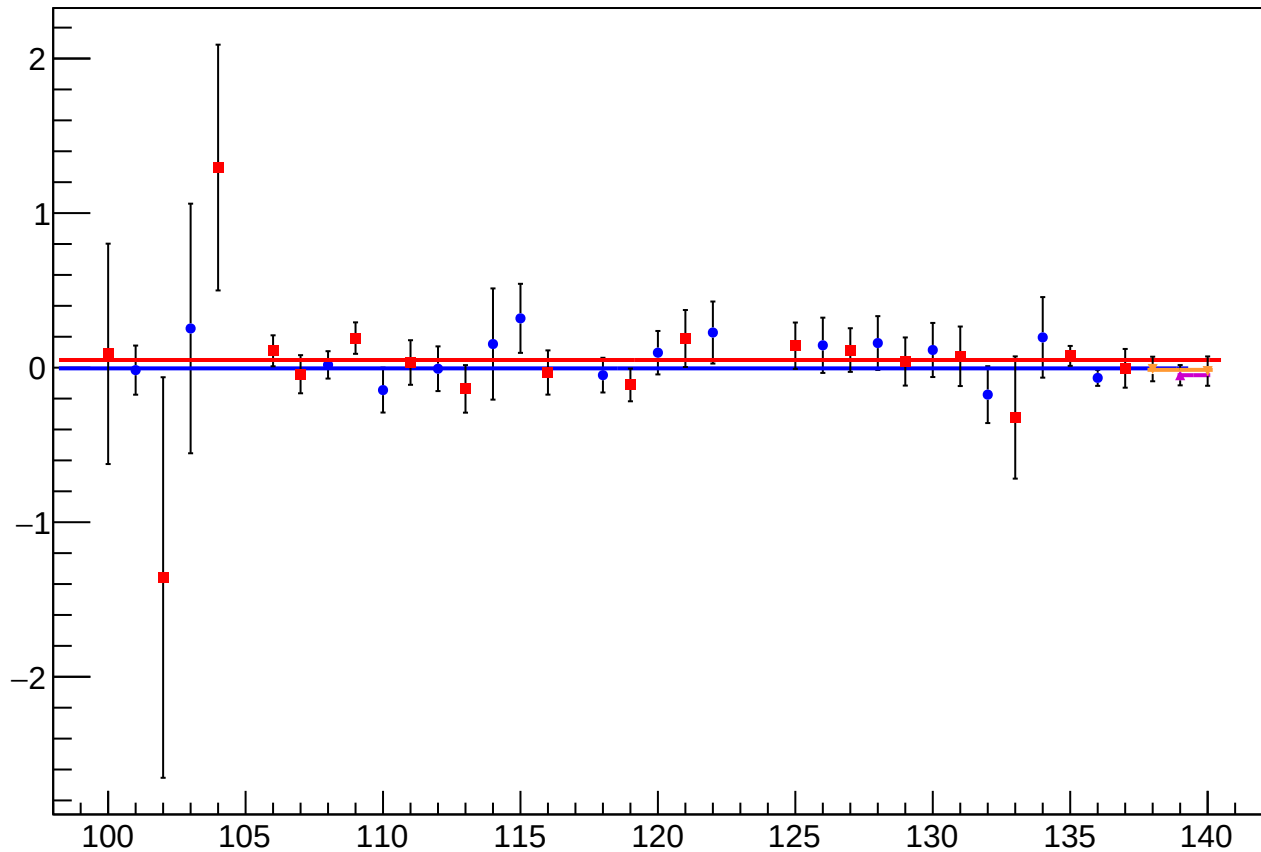
Left In: 54.535 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 72.284 $\pm$ 0.020 χ^2 /NDF: 2883103.1/17

All: 69.165 $\pm$ 0.014 χ^2 /NDF: 6339401.4/36

- sign 66.041 $\pm$ 0.020 χ^2 /NDF: 3408337.4/18

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: -0.014 ± 0.061 χ^2/NDF : 0.0/1

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

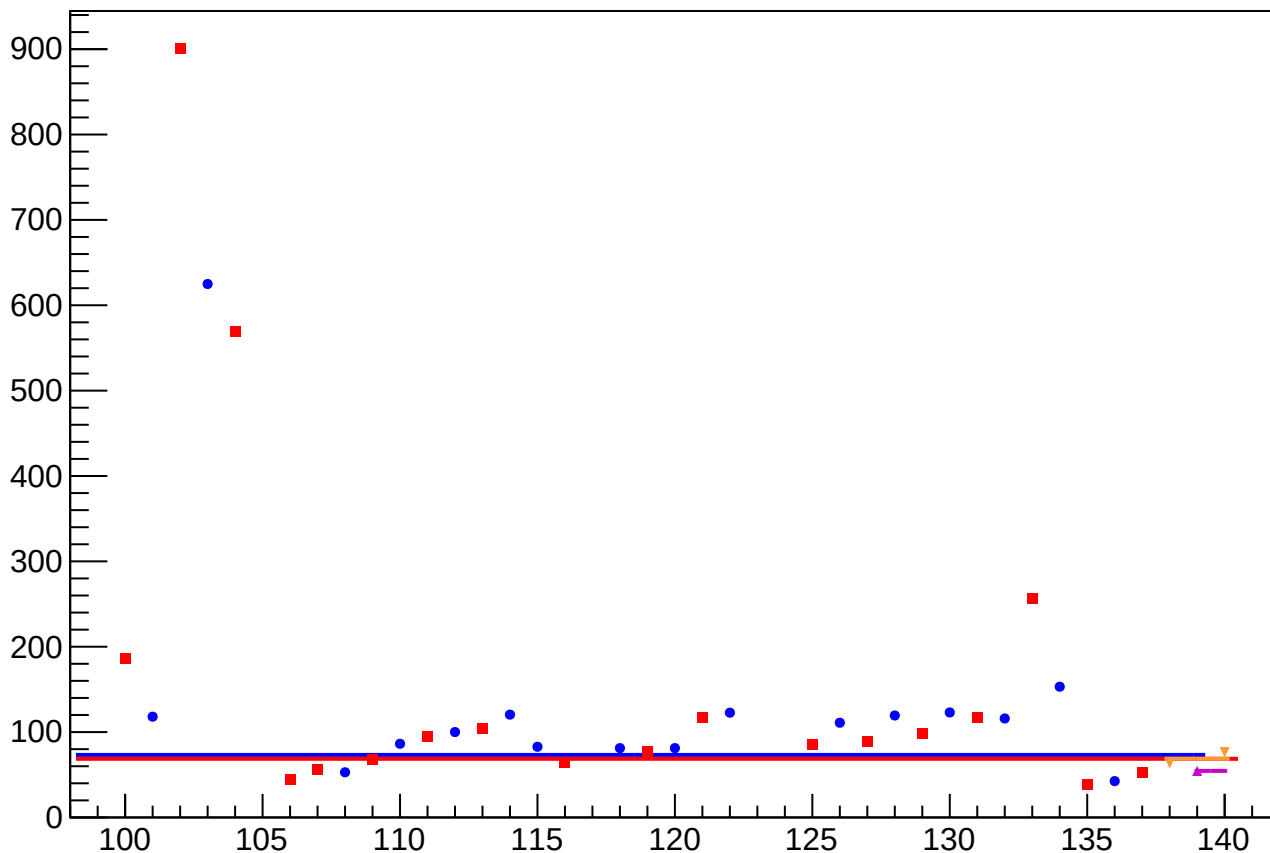
Left In: -0.049 ± 0.066 χ^2/NDF : 0.0/0

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.012 ± 0.020 χ^2/NDF : 26.1/36

- sign 0.031 ± 0.029 χ^2/NDF : 14.8/18

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260 $\pm$ 0.023 χ^2 /NDF: 2852306.8/15

Left Out: 68.796 $\pm$ 0.043 χ^2 /NDF: 22414.7/1

Right Out: 68.713 $\pm$ 0.022 χ^2 /NDF: 3332744.7/17

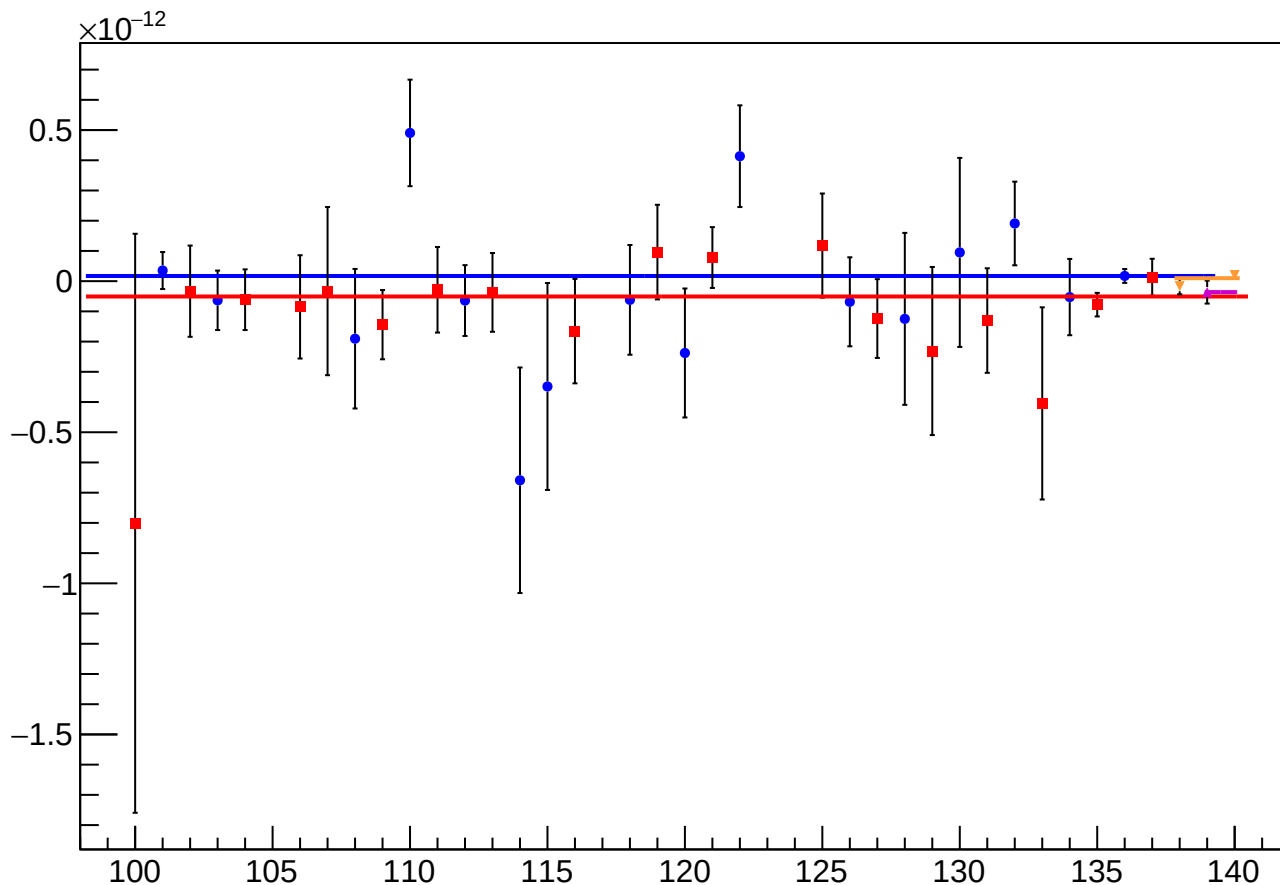
Left In: 54.535 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 72.284 $\pm$ 0.020 χ^2 /NDF: 2883103.1/17

All: 69.165 $\pm$ 0.014 χ^2 /NDF: 6339401.4/36

- sign 66.041 $\pm$ 0.020 χ^2 /NDF: 3408337.4/18

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 23.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.4/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 9.1/17

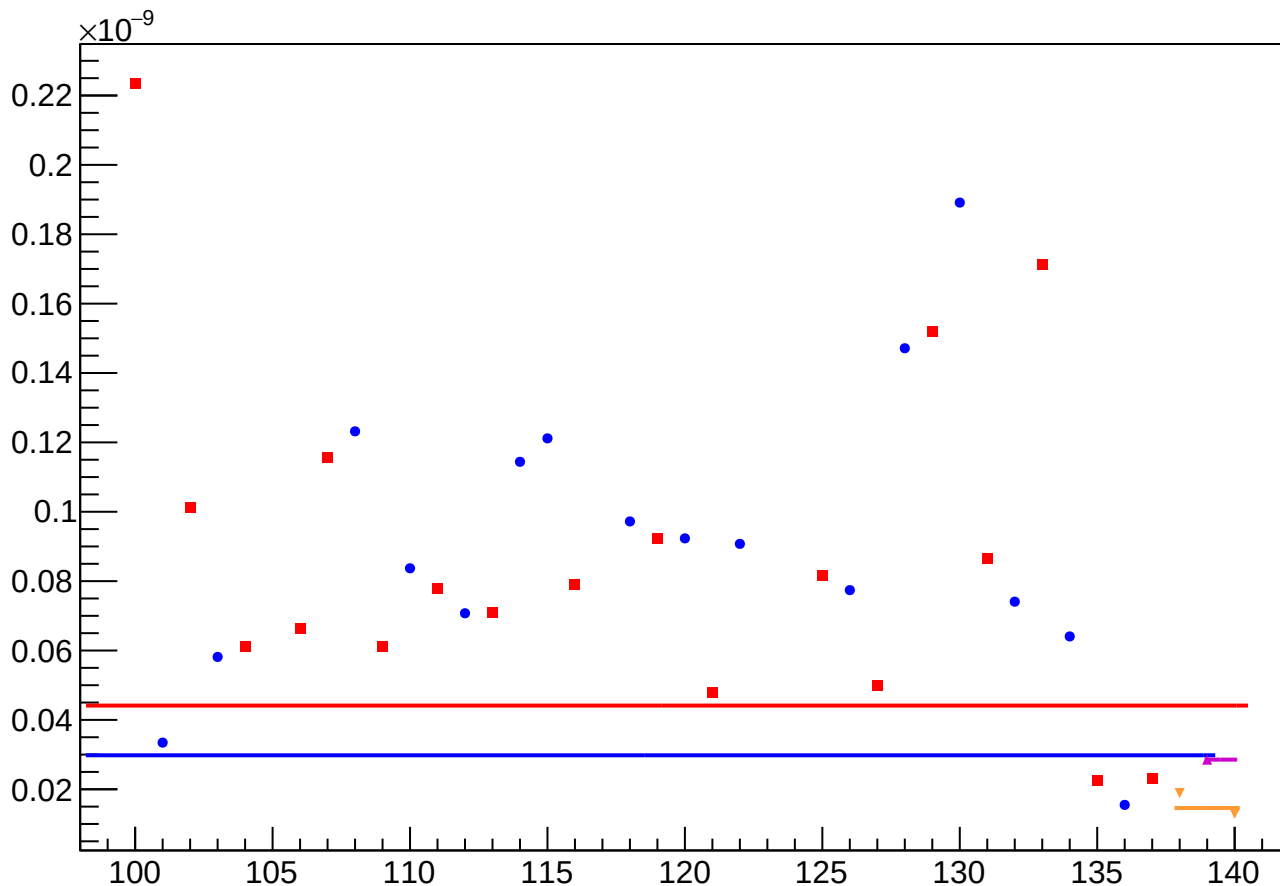
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 24.8/17

All: -0.000 ± 0.000 χ^2/NDF : 40.1/36

- sign -0.000 ± 0.000 χ^2/NDF : 9.2/18

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 71478.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2779318.5/17

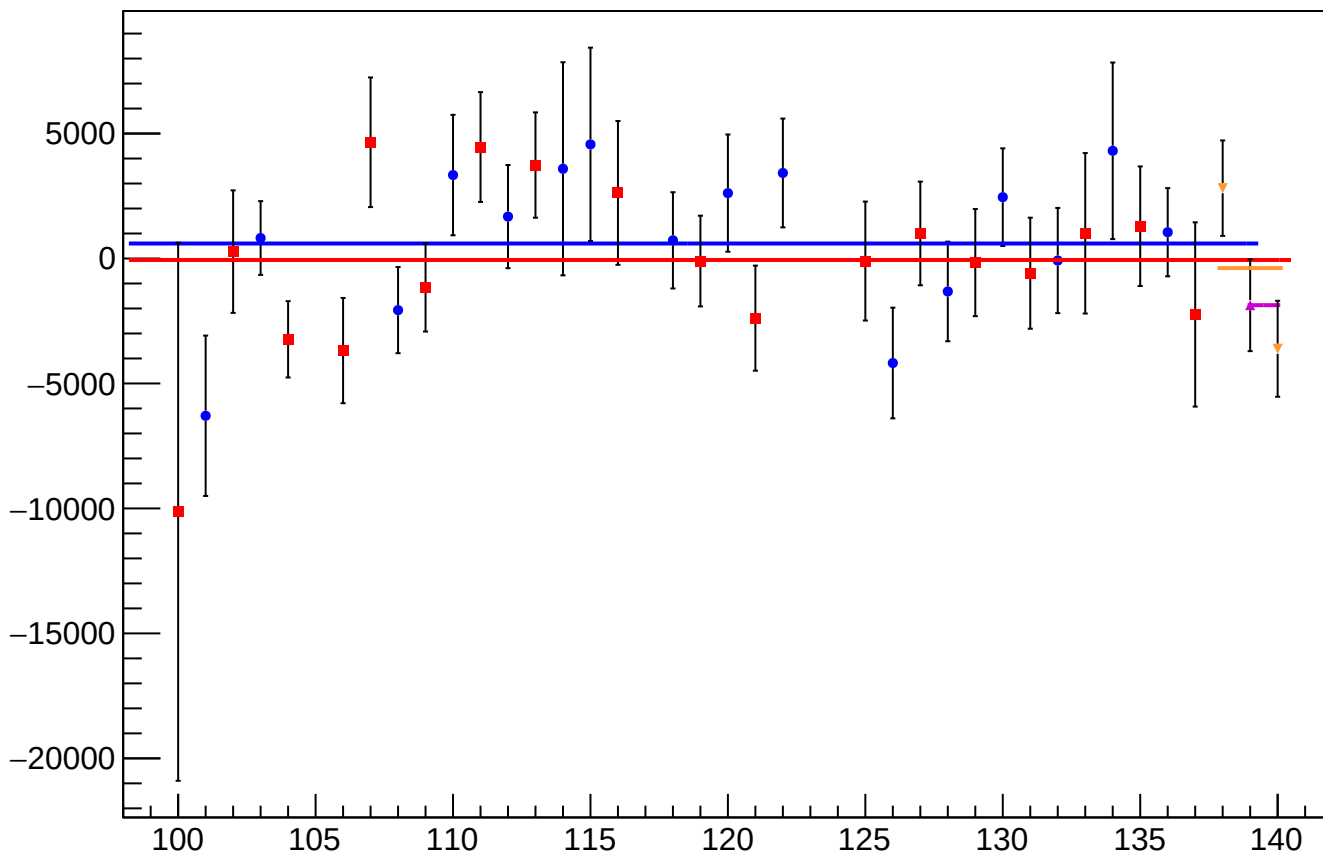
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4957329.5/17

All: 0.000+/-0.000 χ^2/NDF : 9340500.3/36

- sign 0.000+/-0.000 χ^2/NDF : 3015314.0/18

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146 $\pm$ 540.053 χ^2 /NDF: 20.3/15

Left Out: -383.312 $\pm$ 1353.712 χ^2 /NDF:5.6/1

Right Out: -59.091 $\pm$ 530.206 χ^2 /NDF: 22.5/17

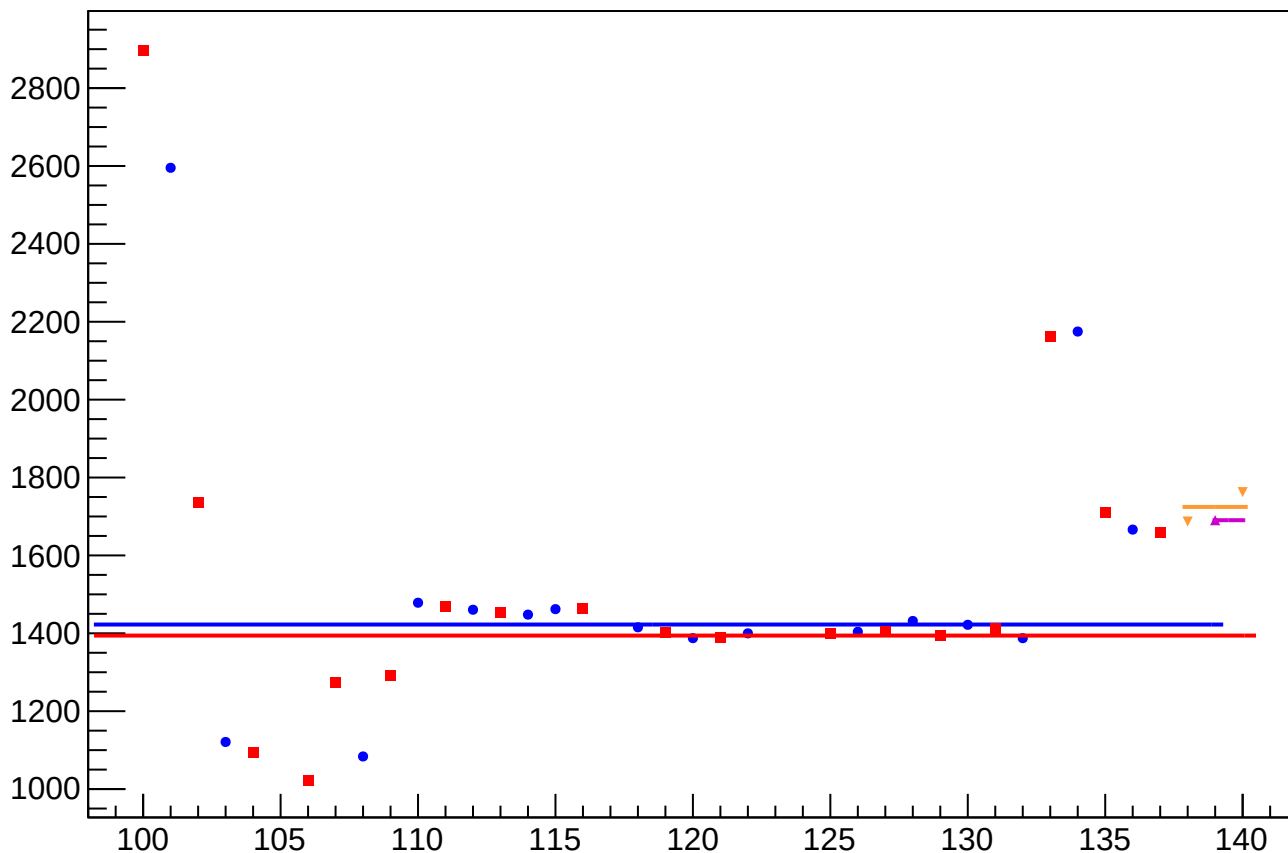
Left In: -1867.698 $\pm$ 1838.552 χ^2 /NDF:0.0/0

+ sign 465.115 $\pm$ 501.609 χ^2 /NDF: 26.4/17

All: 138.719 $\pm$ 357.430 χ^2 /NDF: 50.7/36

- sign -197.954 $\pm$ 509.445 χ^2 /NDF: 23.4/18

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.3/15

Left Out: 1724.516+/-0.957 χ^2/NDF : 1556.4/1

Right Out: 1394.171+/-0.375 χ^2/NDF : 393666.0/17

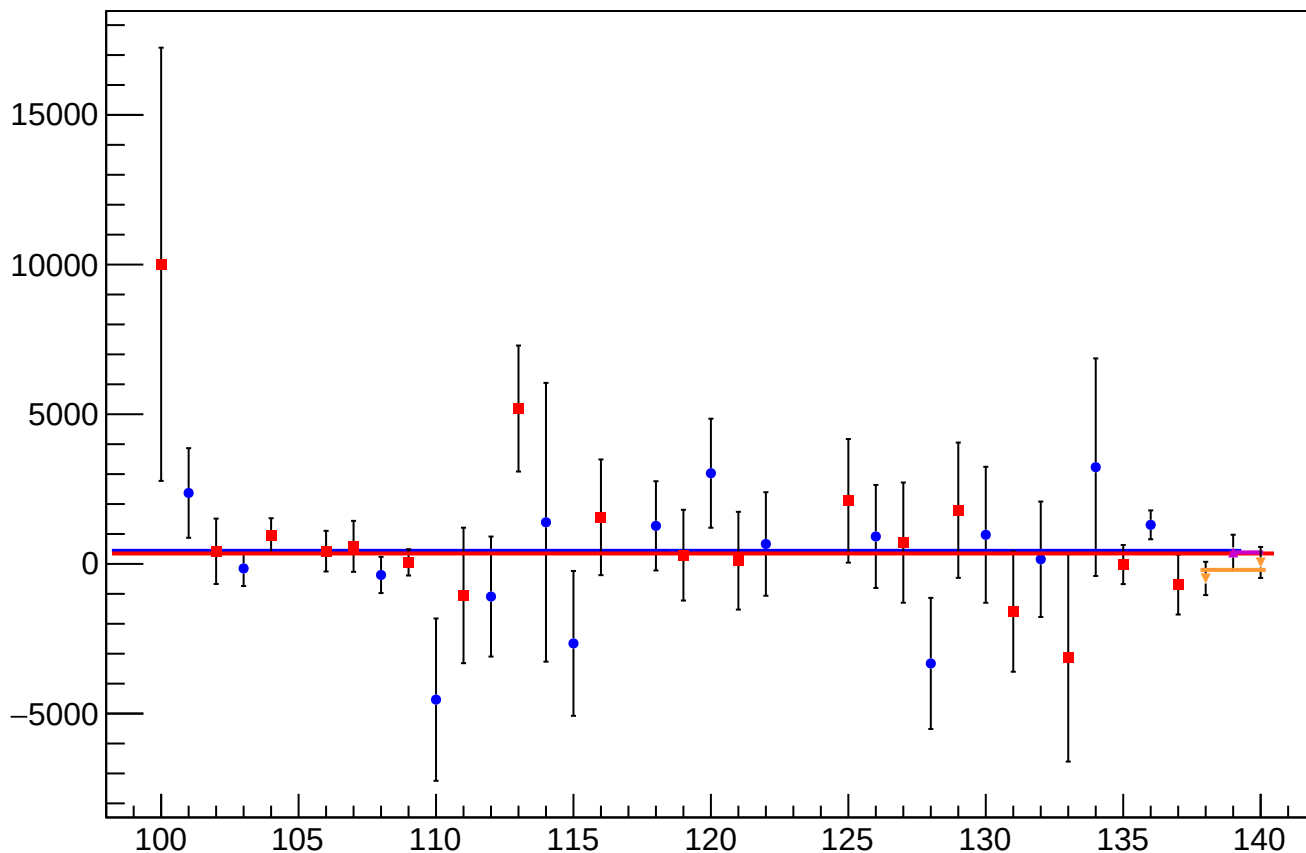
Left In: 1690.440+/-1.300 χ^2/NDF : 0.0/0

+ sign 1463.980+/-0.355 χ^2/NDF : 647688.0/17

All: 1440.814+/-0.253 χ^2/NDF : 1097966.8/30

- sign 1416.918+/-0.360 χ^2/NDF : 441612.4/18

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug



Right In: 436.509 $\pm$ 275.917 χ^2 /NDF: 19.3/15

Left Out: -199.151 $\pm$ 378.927 χ^2 /NDF:0.5/1

Right Out: 348.567 $\pm$ 233.745 χ^2 /NDF: 13.9/17

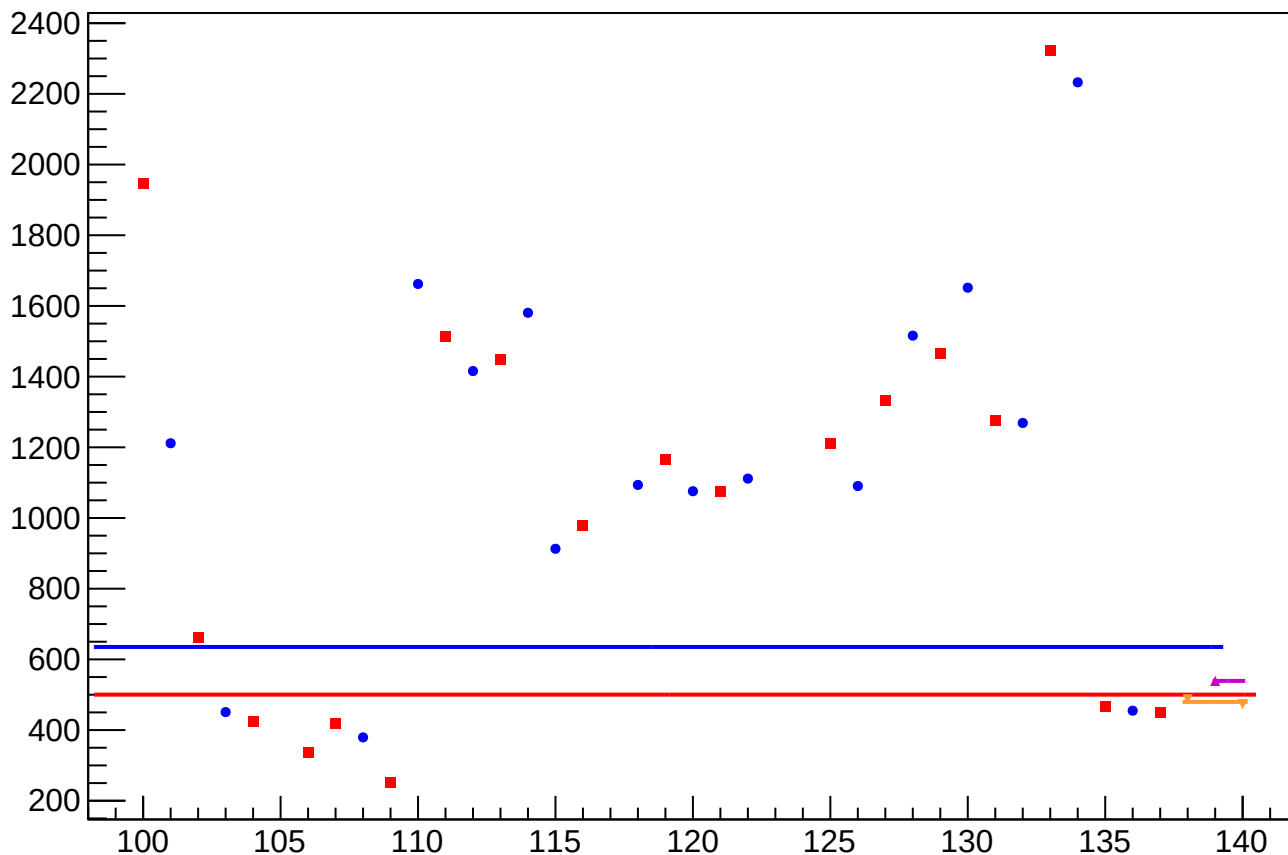
Left In: 385.338 $\pm$ 589.582 χ^2 /NDF:0.0/0

+ sign 216.257 $\pm$ 223.050 χ^2 /NDF: 21.7/17

All: 286.705 $\pm$ 155.644 χ^2 /NDF: 35.8/36

- sign 353.562 $\pm$ 217.291 χ^2 /NDF: 13.9/18

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF : 3752583.4/15

Left Out: 479.628+/-0.268 χ^2/NDF : 660.2/1

Right Out: 500.231+/-0.165 χ^2/NDF : 4309093.1/17

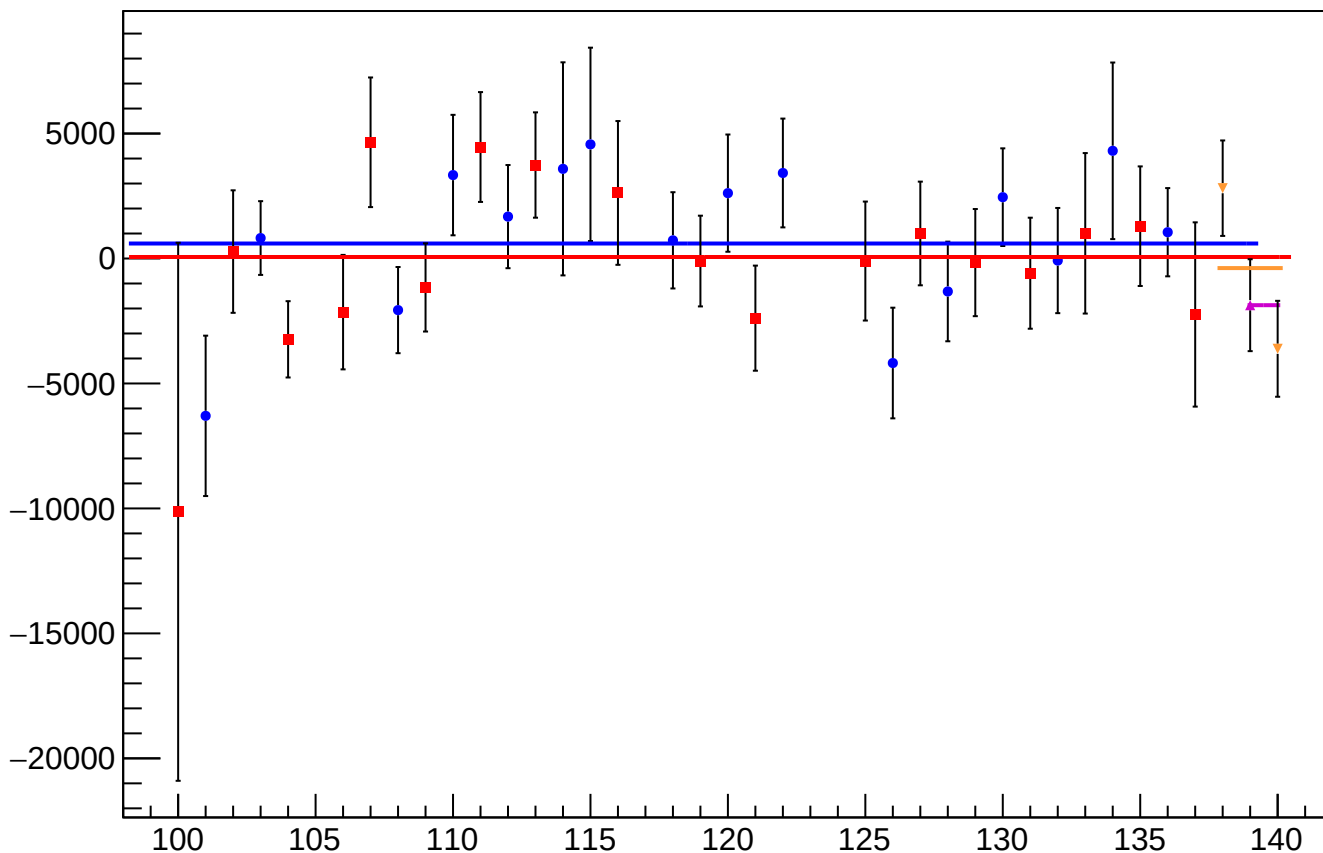
Left In: 539.090+/-0.417 χ^2/NDF : 0.0/0

+ sign 581.253+/-0.158 χ^2/NDF : 3973367.7/17

All: 542.391+/-0.110 χ^2/NDF : 8408298.8/36

- sign 505.510+/-0.154 χ^2/NDF : 4316601.1/18

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020 $\pm$ 540.053 χ^2 /NDF: 20.3/15

Left Out: -383.334 $\pm$ 1353.712 χ^2 /NDF:5.6/1

Right Out: 60.361 $\pm$ 532.826 χ^2 /NDF: 20.4/17

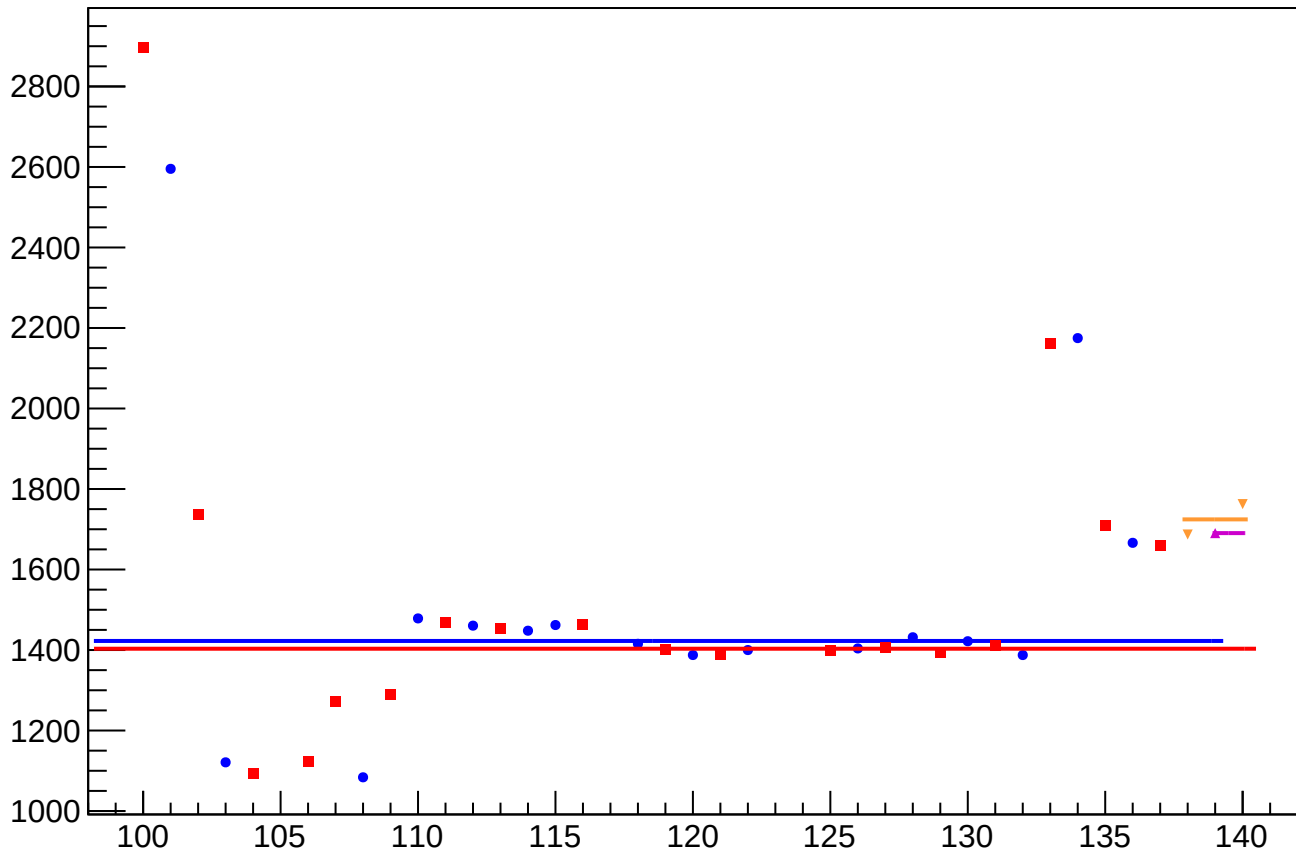
Left In: -1867.957 $\pm$ 1838.552 χ^2 /NDF:0.0/0

+ sign 465.002 $\pm$ 501.609 χ^2 /NDF: 26.4/17

All: 193.531 $\pm$ 358.229 χ^2 /NDF: 48.4/36

- sign -89.047 $\pm$ 511.768 χ^2 /NDF: 21.4/18

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF :1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

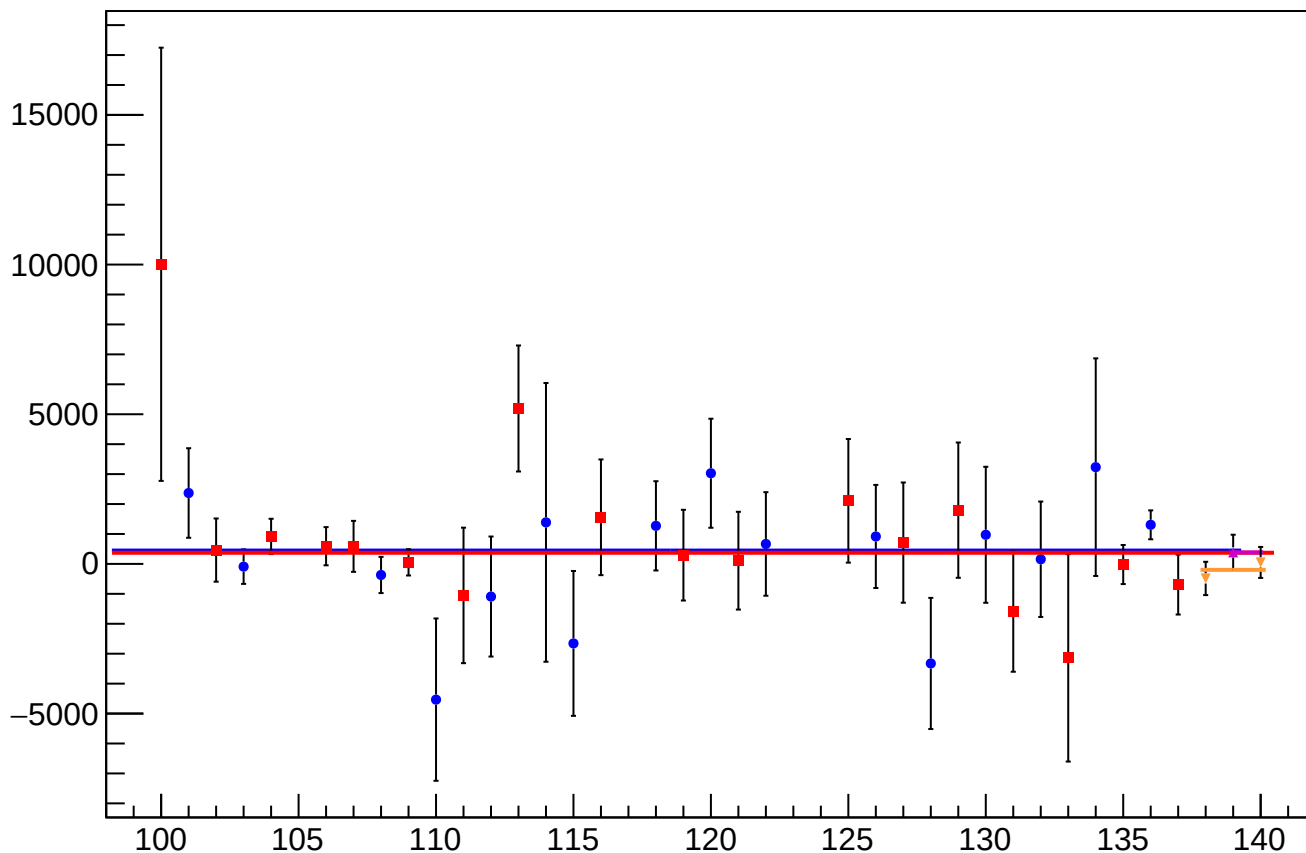
Left In: 1690.440+/-1.300 χ^2/NDF :0.0/0

+ sign 1463.980+/-0.355 χ^2/NDF : 647688.3/17

All: 1445.113+/-0.253 χ^2/NDF : 1057604.8/30

- sign 1425.474+/-0.362 χ^2/NDF : 404141.6/18

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: -199.125+/-378.941 χ^2/NDF : 0.5/1

Right Out: 372.538+/-231.353 χ^2/NDF : 14.0/17

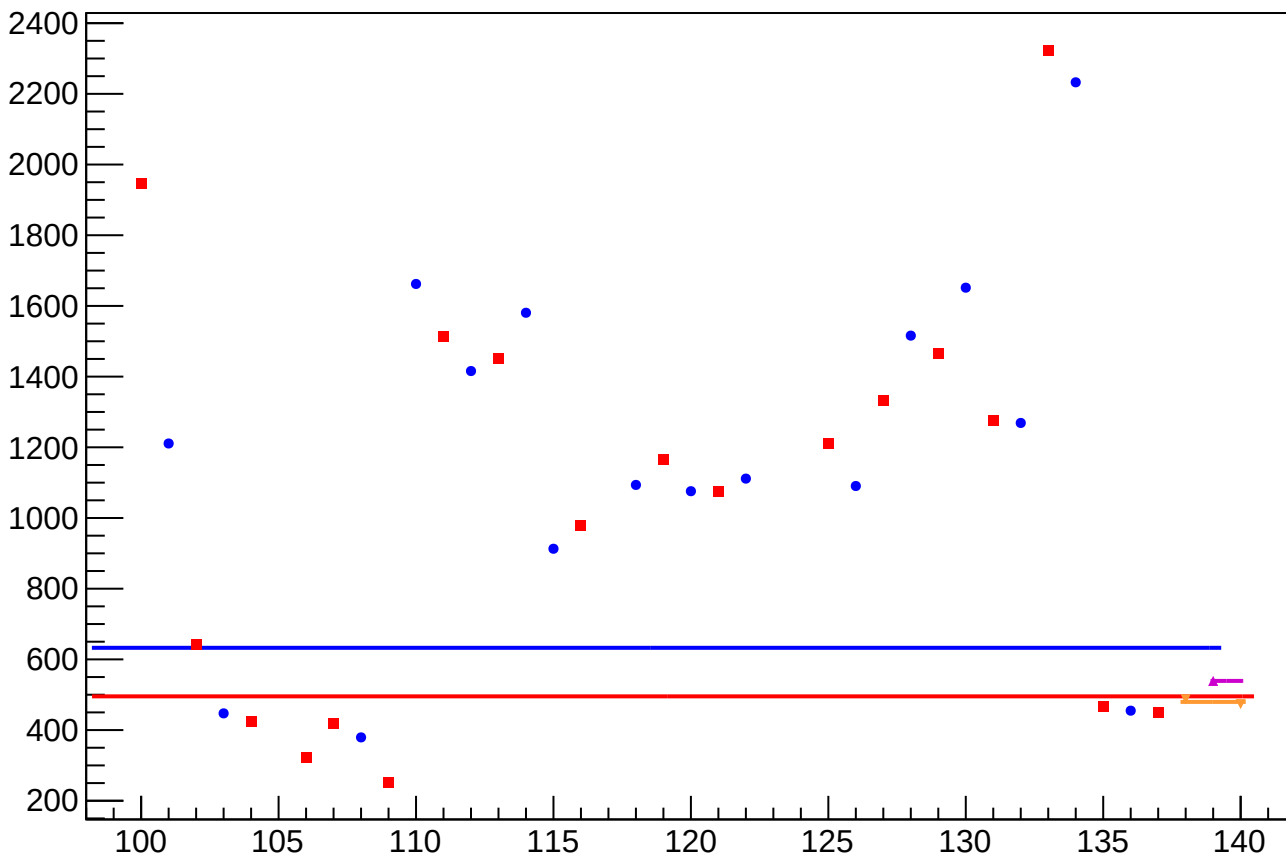
Left In: 385.145+/-589.575 χ^2/NDF : 0.0/0

+ sign 223.153+/-222.429 χ^2/NDF : 21.6/17

All: 301.124+/-154.723 χ^2/NDF : 35.8/36

- sign 374.220+/-215.365 χ^2/NDF : 14.0/18

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF : 3767731.7/15

Left Out: 479.648+/-0.268 χ^2/NDF : 657.9/1

Right Out: 495.380+/-0.164 χ^2/NDF : 4337484.8/17

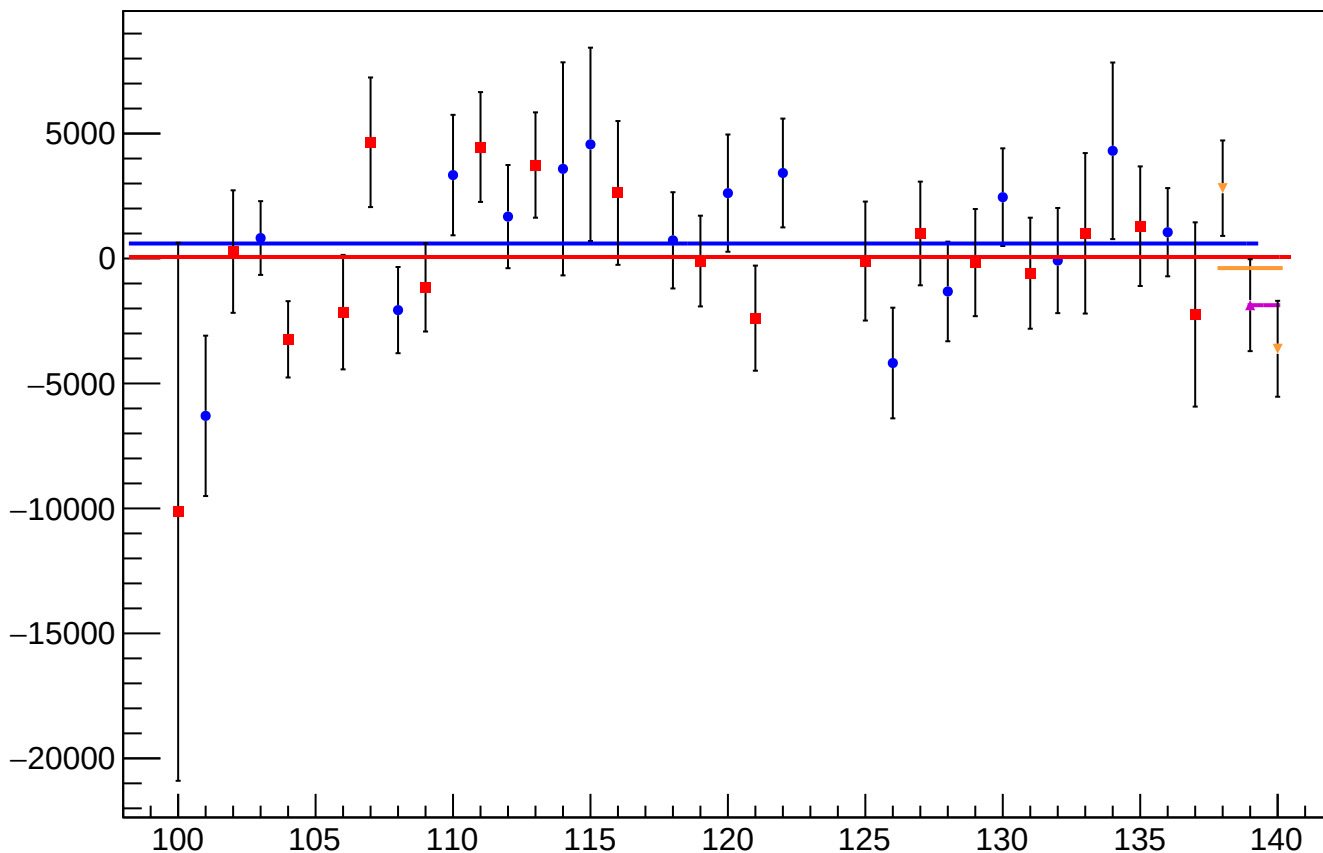
Left In: 539.084+/-0.417 χ^2/NDF : 0.0/0

+ sign 580.002+/-0.157 χ^2/NDF : 3982388.2/17

All: 539.336+/-0.109 χ^2/NDF : 8458922.2/36

- sign 501.212+/-0.152 χ^2/NDF : 4347008.2/18

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020 $\pm$ 540.053 χ^2 /NDF: 20.3/15

Left Out: -383.334 $\pm$ 1353.712 χ^2 /NDF:5.6/1

Right Out: 60.361 $\pm$ 532.826 χ^2 /NDF: 20.4/17

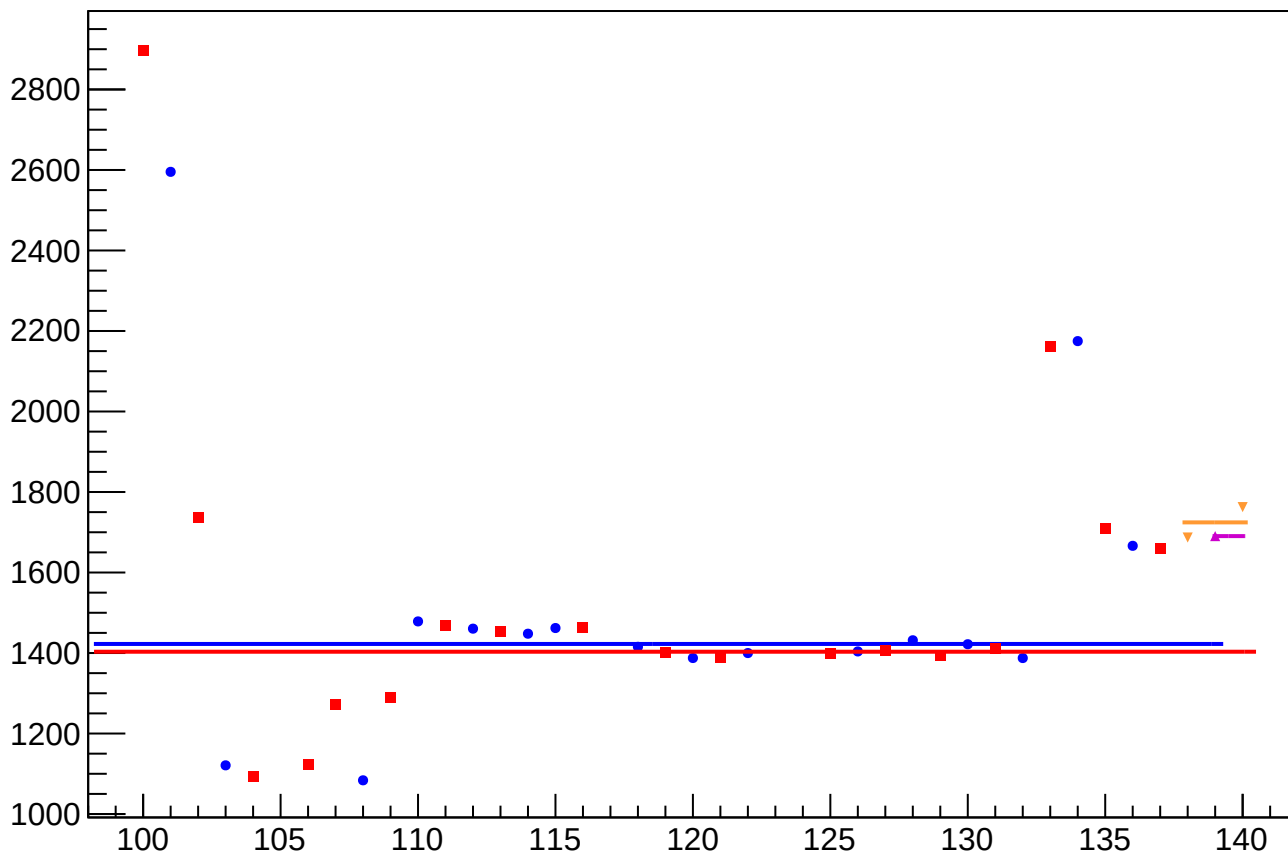
Left In: -1867.957 $\pm$ 1838.552 χ^2 /NDF:0.0/0

+ sign 465.002 $\pm$ 501.609 χ^2 /NDF: 26.4/17

All: 193.531 $\pm$ 358.229 χ^2 /NDF: 48.4/36

- sign -89.047 $\pm$ 511.768 χ^2 /NDF: 21.4/18

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: 1724.516+/-0.957 χ^2/NDF :1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

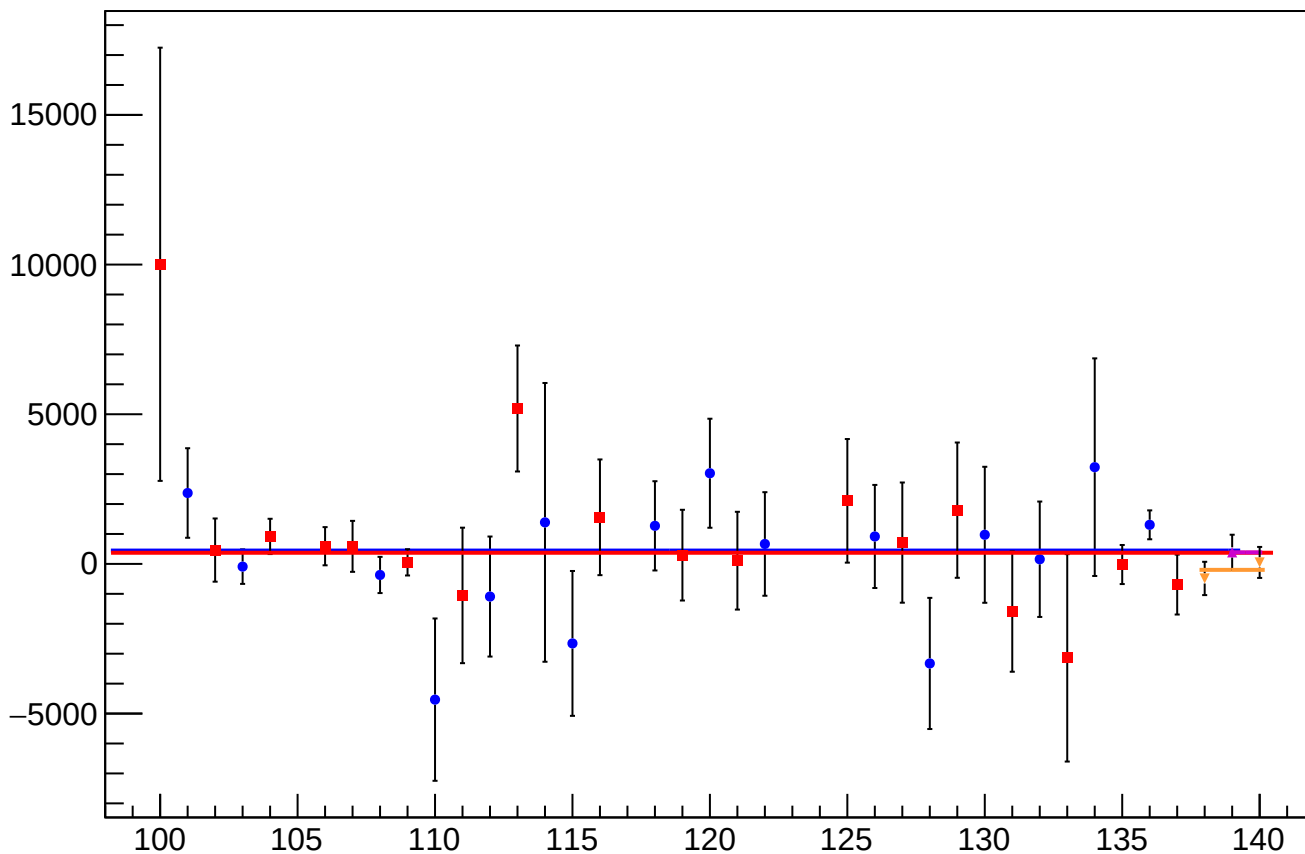
Left In: 1690.440+/-1.300 χ^2/NDF :0.0/0

+ sign 1463.980+/-0.355 χ^2/NDF : 647688.3/17

All: 1445.113+/-0.253 χ^2/NDF : 1057604.8/30

- sign 1425.474+/-0.362 χ^2/NDF : 404141.6/18

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 445.121+/-274.737 χ^2/NDF : 19.2/15

Left Out: -199.125+/-378.941 χ^2/NDF : 0.5/1

Right Out: 372.538+/-231.353 χ^2/NDF : 14.0/17

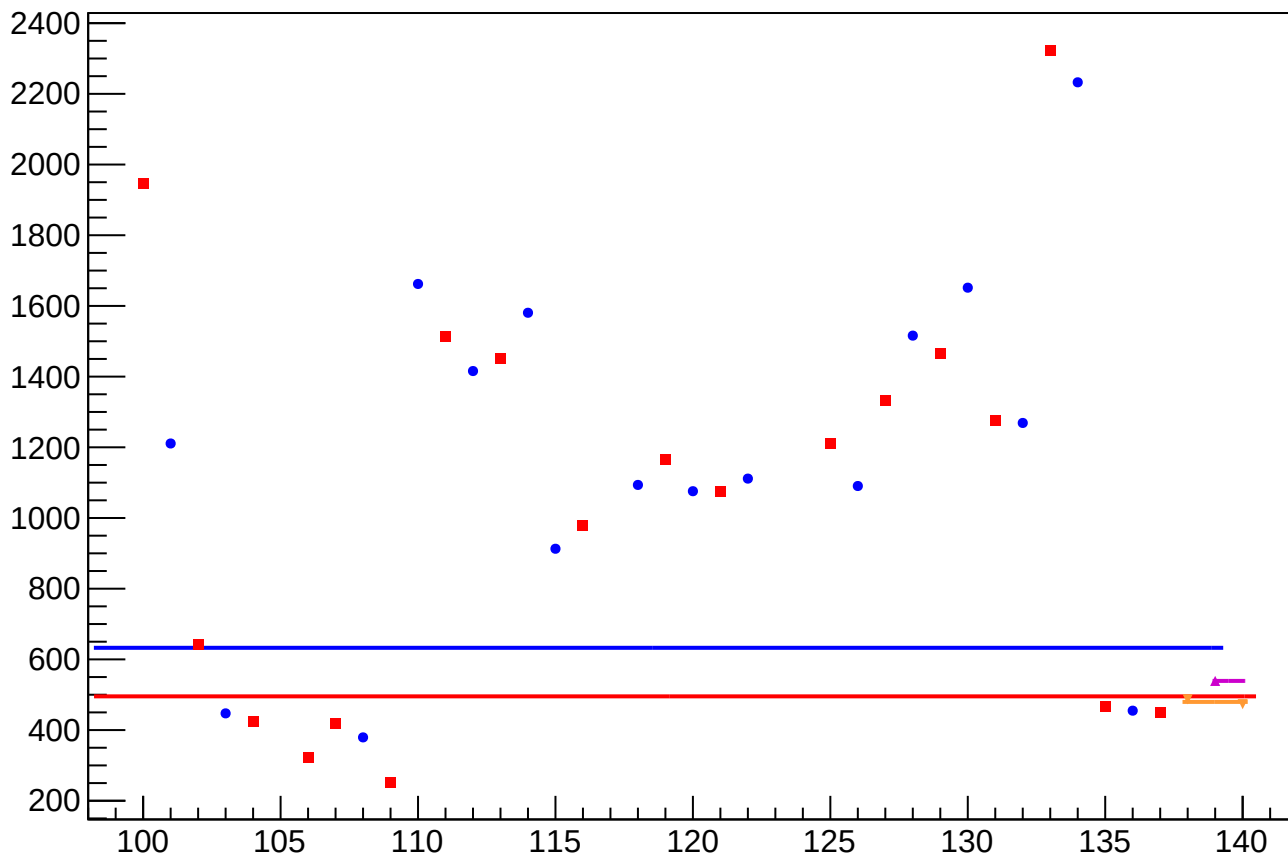
Left In: 385.145+/-589.575 χ^2/NDF : 0.0/0

+ sign 223.153+/-222.429 χ^2/NDF : 21.6/17

All: 301.124+/-154.723 χ^2/NDF : 35.8/36

- sign 374.220+/-215.365 χ^2/NDF : 14.0/18

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF : 3767731.7/15

Left Out: 479.648+/-0.268 χ^2/NDF : 657.9/1

Right Out: 495.380+/-0.164 χ^2/NDF : 4337484.8/17

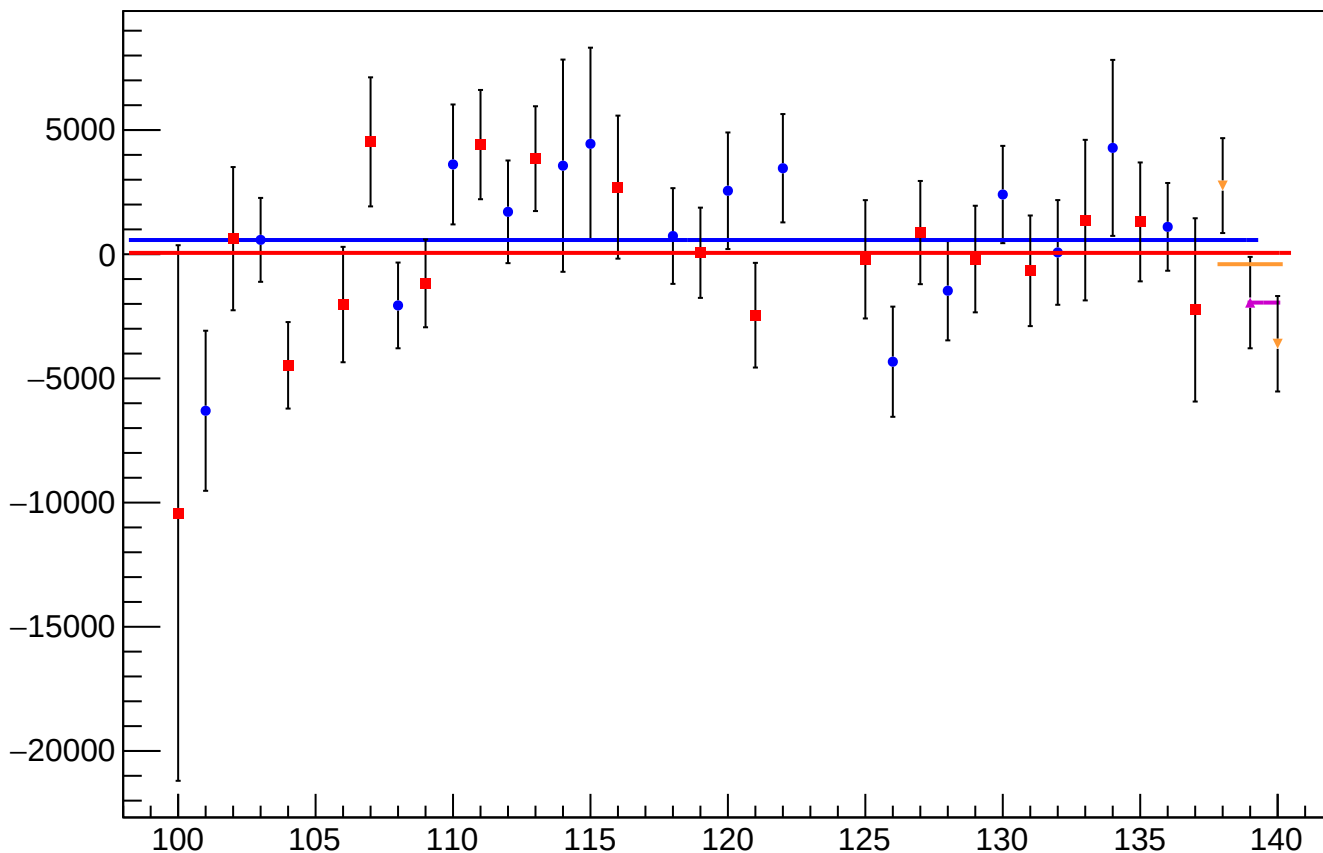
Left In: 539.084+/-0.417 χ^2/NDF : 0.0/0

+ sign 580.002+/-0.157 χ^2/NDF : 3982388.2/17

All: 539.336+/-0.109 χ^2/NDF : 8458922.2/36

- sign 501.212+/-0.152 χ^2/NDF : 4347008.2/18

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289 ± 549.638 χ^2/NDF : 20.8/15

Left Out: -401.524 ± 1354.902 χ^2/NDF : 5.5/1

Right Out: 53.754 ± 545.353 χ^2/NDF : 22.5/17

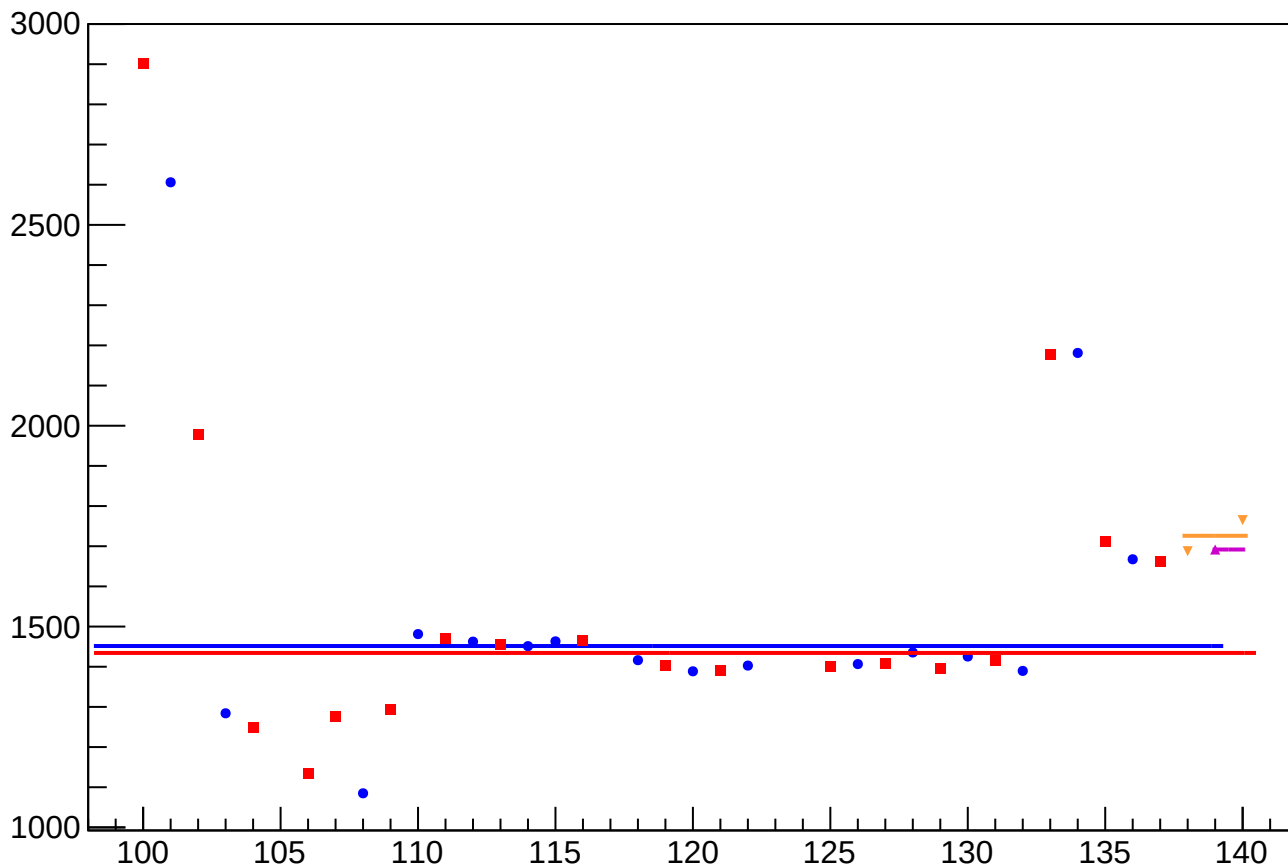
Left In: -1947.322 ± 1840.184 χ^2/NDF : 0.0/0

+ sign 434.679 ± 509.325 χ^2/NDF : 26.7/17

All: 170.556 ± 364.843 χ^2/NDF : 50.9/36

- sign -107.806 ± 522.874 χ^2/NDF : 23.6/18

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 $\pm$ 0.389 χ^2 /NDF: 487836.7/15

Left Out: 1726.013 $\pm$ 0.958 χ^2 /NDF: 1632.0/1

Right Out: 1434.321 $\pm$ 0.386 χ^2 /NDF: 328590.5/17

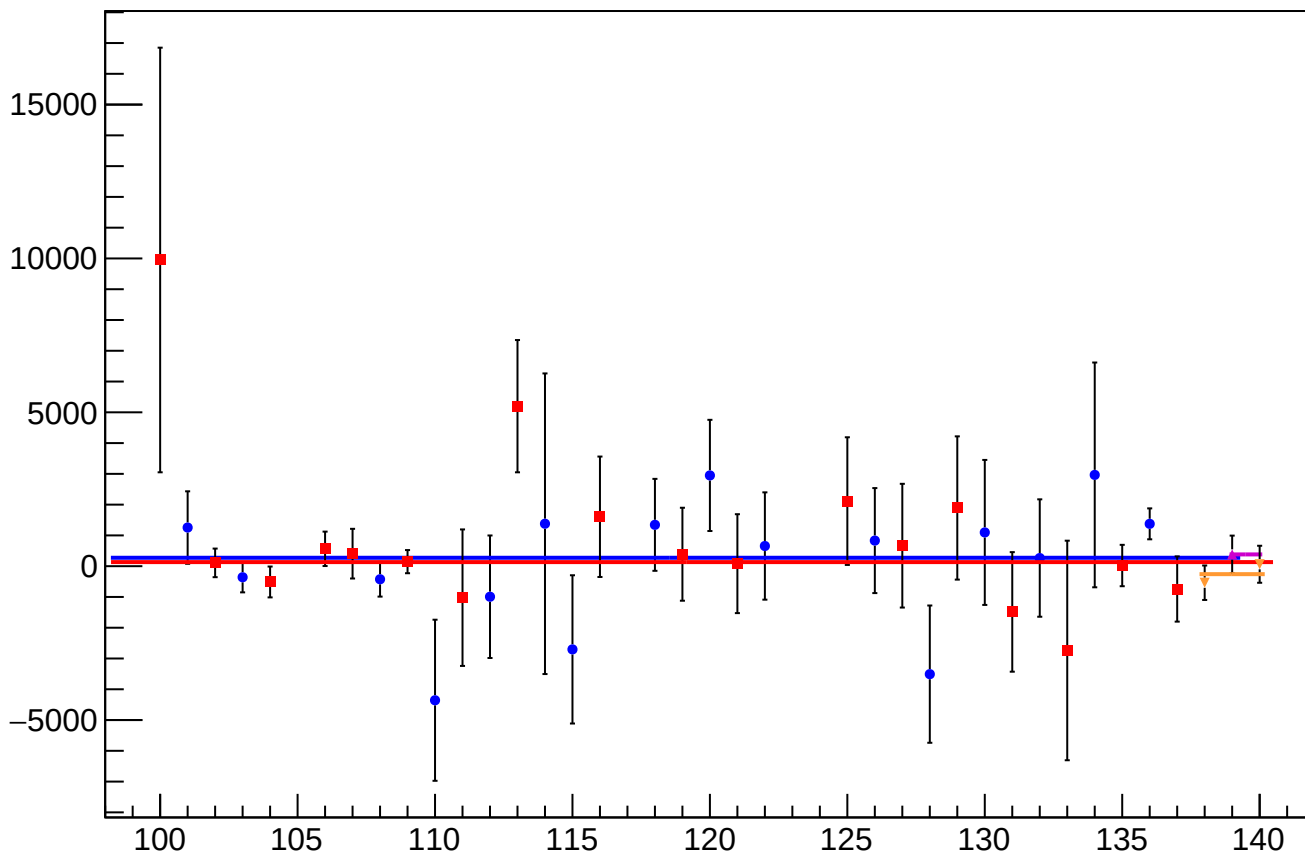
Left In: 1691.840 $\pm$ 1.301 χ^2 /NDF: 0.0/0

+ sign 1490.359 $\pm$ 0.360 χ^2 /NDF: 559926.2/17

All: 1473.198 $\pm$ 0.258 χ^2 /NDF: 929185.3/36

- sign 1455.112 $\pm$ 0.370 χ^2 /NDF: 364595.7/18

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 273.439 ± 260.537 χ^2/NDF : 20.2/15

Left Out: -259.145 ± 409.790 χ^2/NDF : 0.5/1

Right Out: 132.573 ± 195.933 χ^2/NDF : 14.4/17

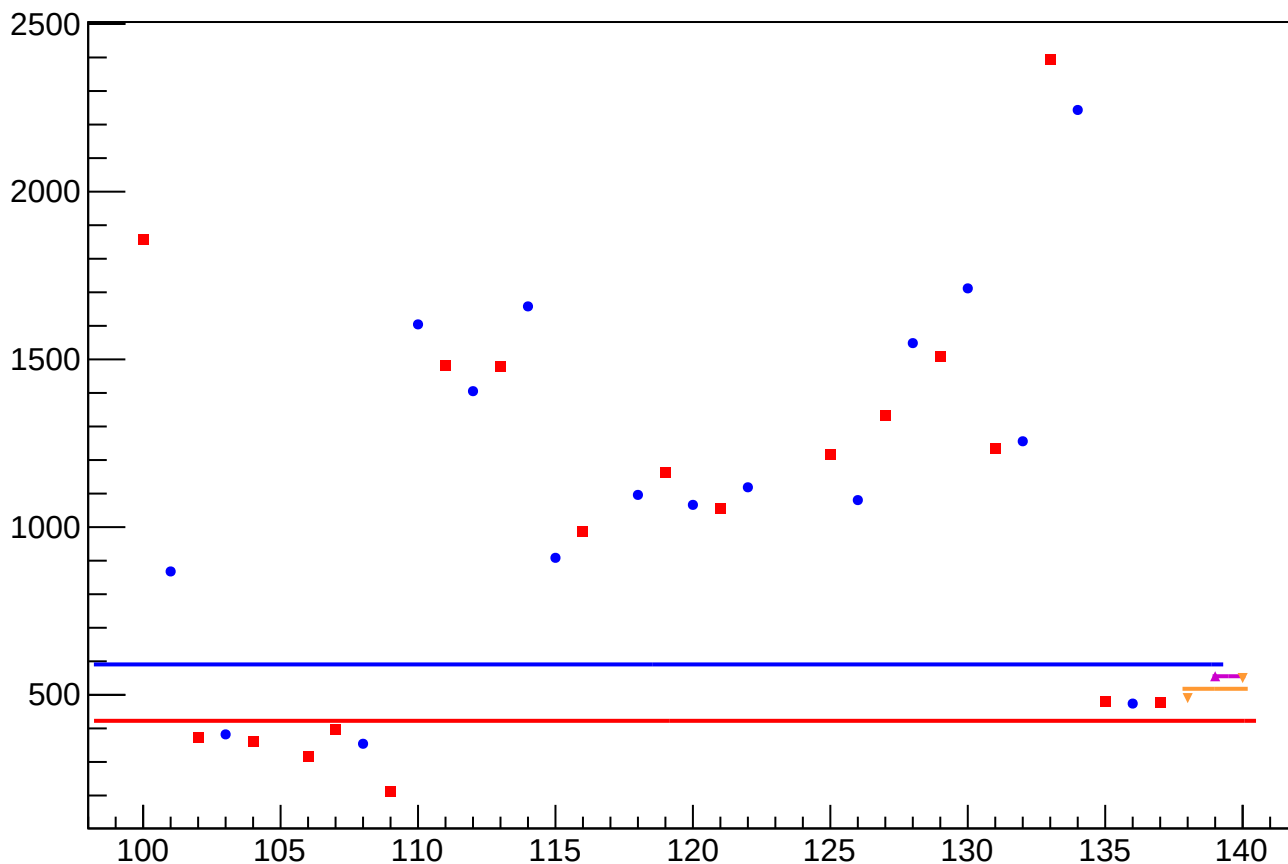
Left In: 382.201 ± 611.011 χ^2/NDF : 0.0/0

+ sign 120.130 ± 219.863 χ^2/NDF : 21.9/17

All: 140.895 ± 142.257 χ^2/NDF : 36.5/36

- sign 155.849 ± 186.575 χ^2/NDF : 14.6/18

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749+/-0.184 χ^2/NDF : 3885502.1/15

Left Out: 518.101+/-0.290 χ^2/NDF :10620.7/1

Right Out: 422.629+/-0.139 χ^2/NDF : 4858014.6/17

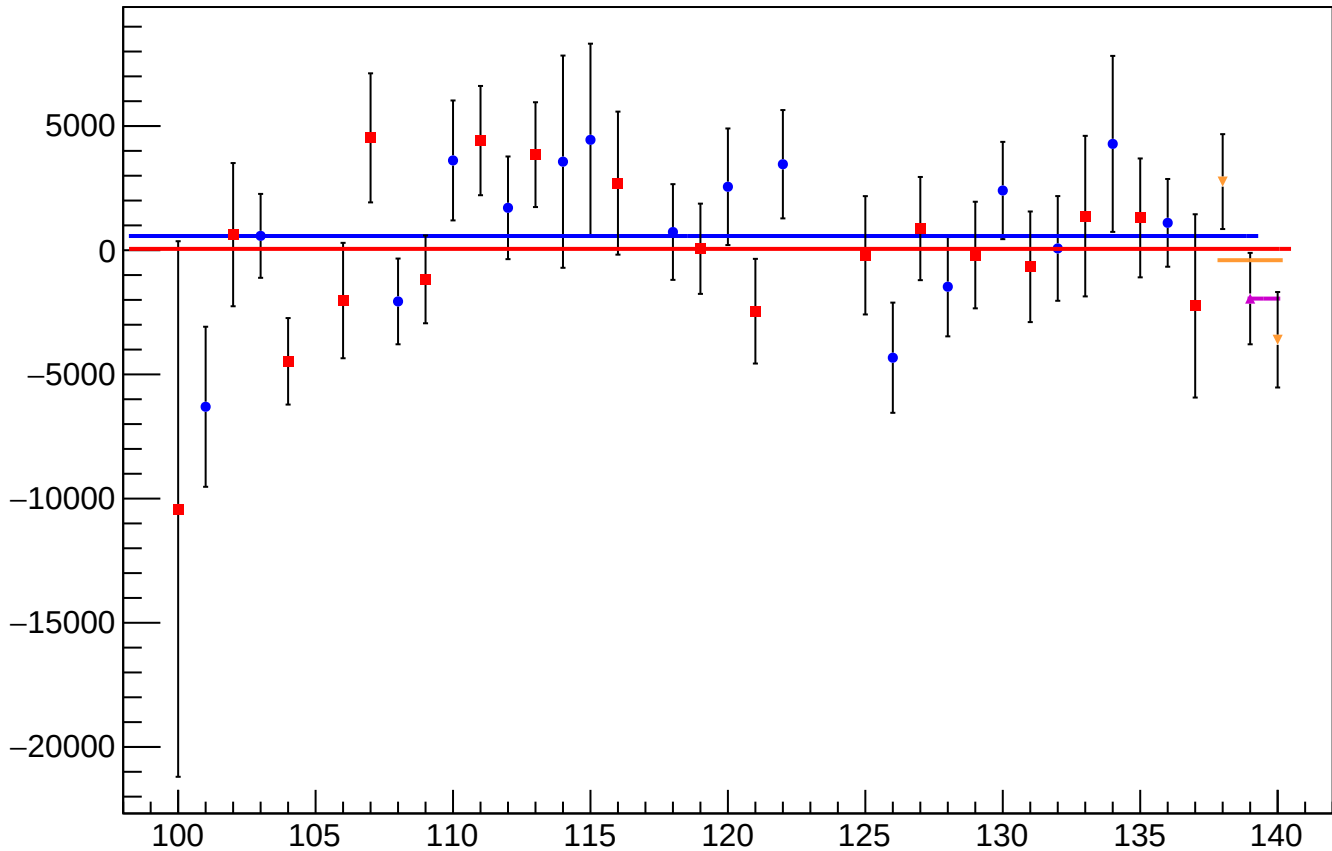
Left In: 555.531+/-0.432 χ^2/NDF :0.0/0

+ sign 569.837+/-0.155 χ^2/NDF : 3940885.7/17

All: 491.461+/-0.101 χ^2/NDF : 9321869.7/36

- sign 435.021+/-0.132 χ^2/NDF : 4943814.6/18

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290 $\pm$ 549.638 χ^2 /NDF: 20.8/15

Left Out: -401.538 $\pm$ 1354.902 χ^2 /NDF:5.5/1

Right Out: 53.752 $\pm$ 545.353 χ^2 /NDF: 22.5/17

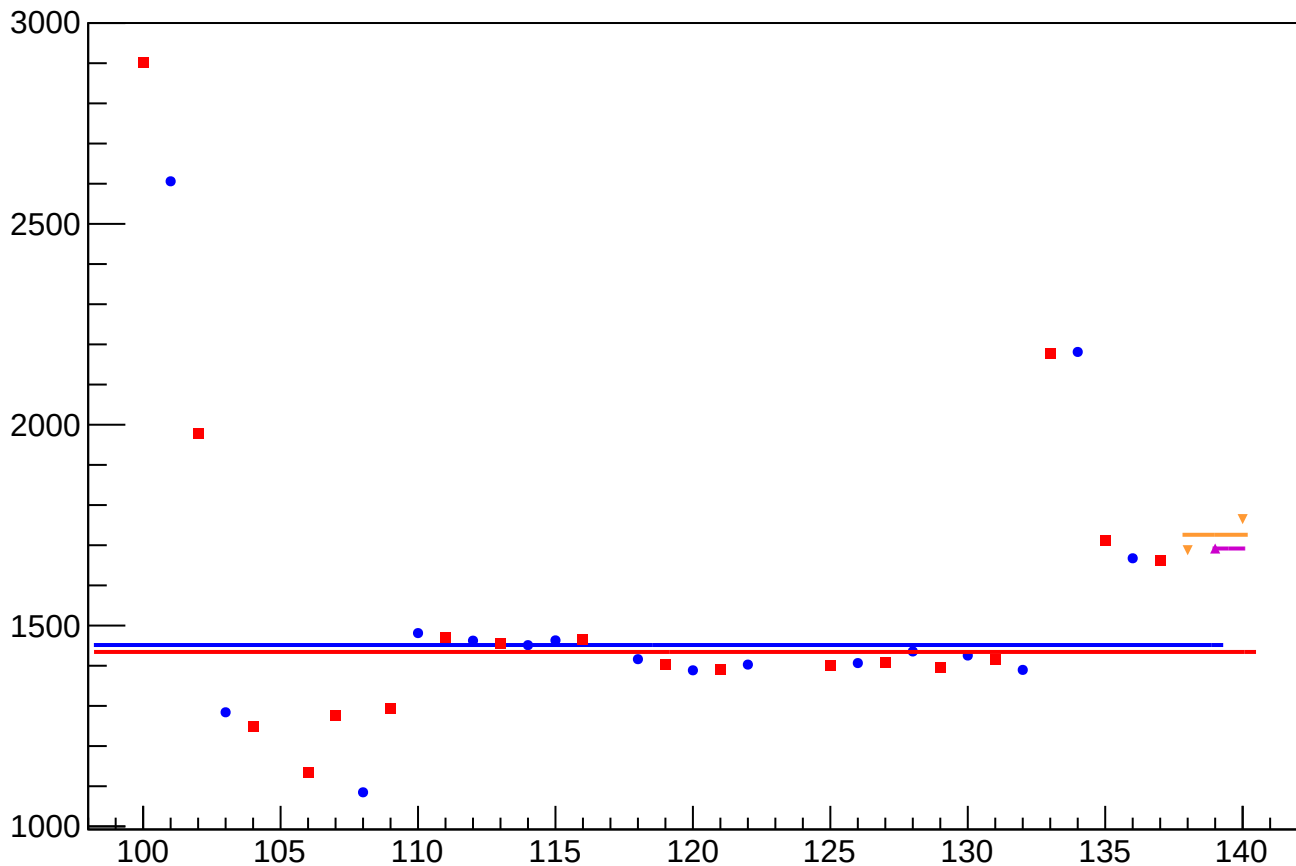
Left In: -1947.292 $\pm$ 1840.184 χ^2 /NDF:0.0/0

+ sign 434.678 $\pm$ 509.325 χ^2 /NDF: 26.7/17

All: 170.556 $\pm$ 364.843 χ^2 /NDF: 50.9/36

- sign -107.806 $\pm$ 522.874 χ^2 /NDF: 23.6/18

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 $\pm$ 0.389 χ^2 /NDF: 487836.2/15

Left Out: 1726.014 $\pm$ 0.958 χ^2 /NDF: 1632.0/1

Right Out: 1434.321 $\pm$ 0.386 χ^2 /NDF: 328590.5/17

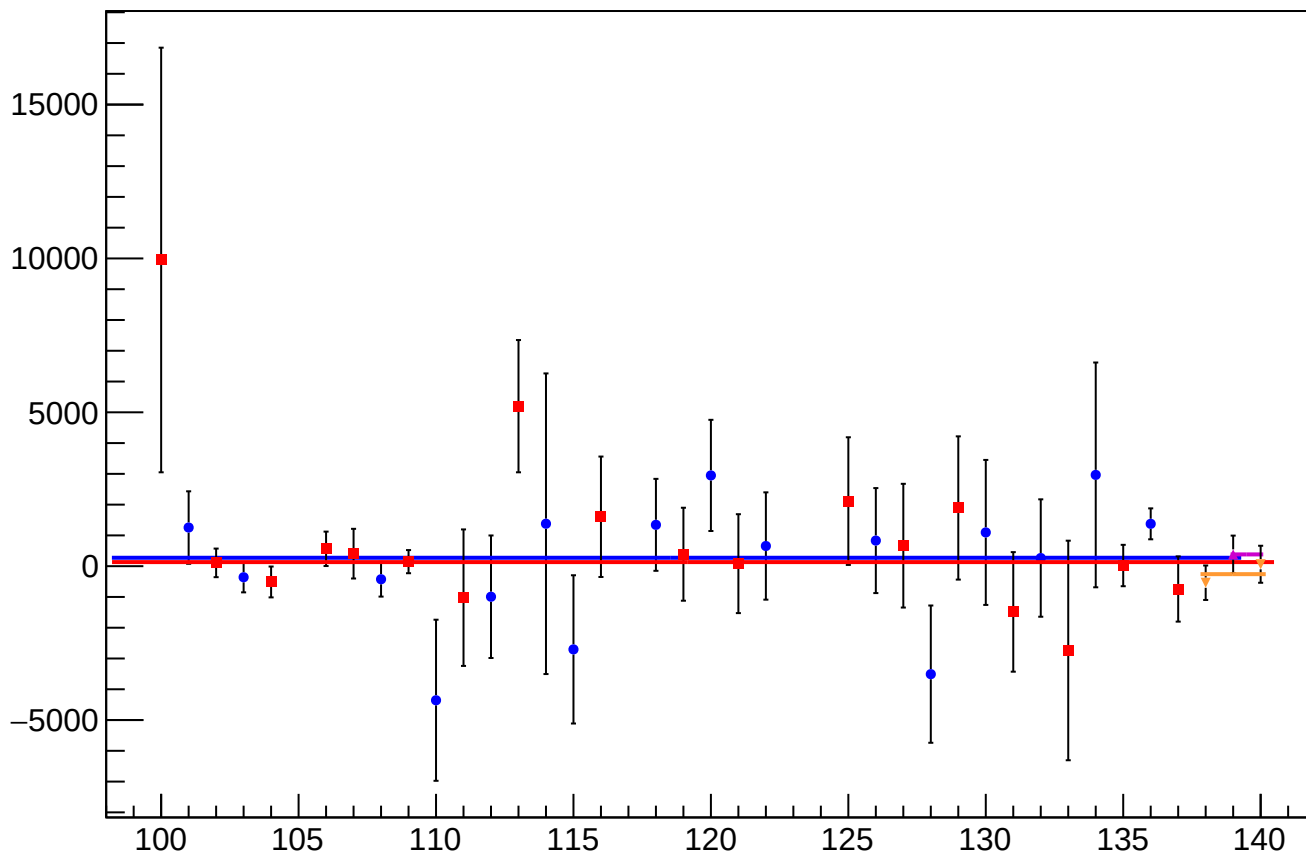
Left In: 1691.840 $\pm$ 1.301 χ^2 /NDF: 0.0/0

+ sign 1490.359 $\pm$ 0.360 χ^2 /NDF: 559925.9/17

All: 1473.198 $\pm$ 0.258 χ^2 /NDF: 929185.1/36

- sign 1455.112 $\pm$ 0.370 χ^2 /NDF: 364595.8/18

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 273.429 $\pm$ 260.536 χ^2 /NDF: 20.2/15

Left Out: -259.151 $\pm$ 409.803 χ^2 /NDF:0.5/1

Right Out: 132.567 $\pm$ 195.935 χ^2 /NDF: 14.4/17

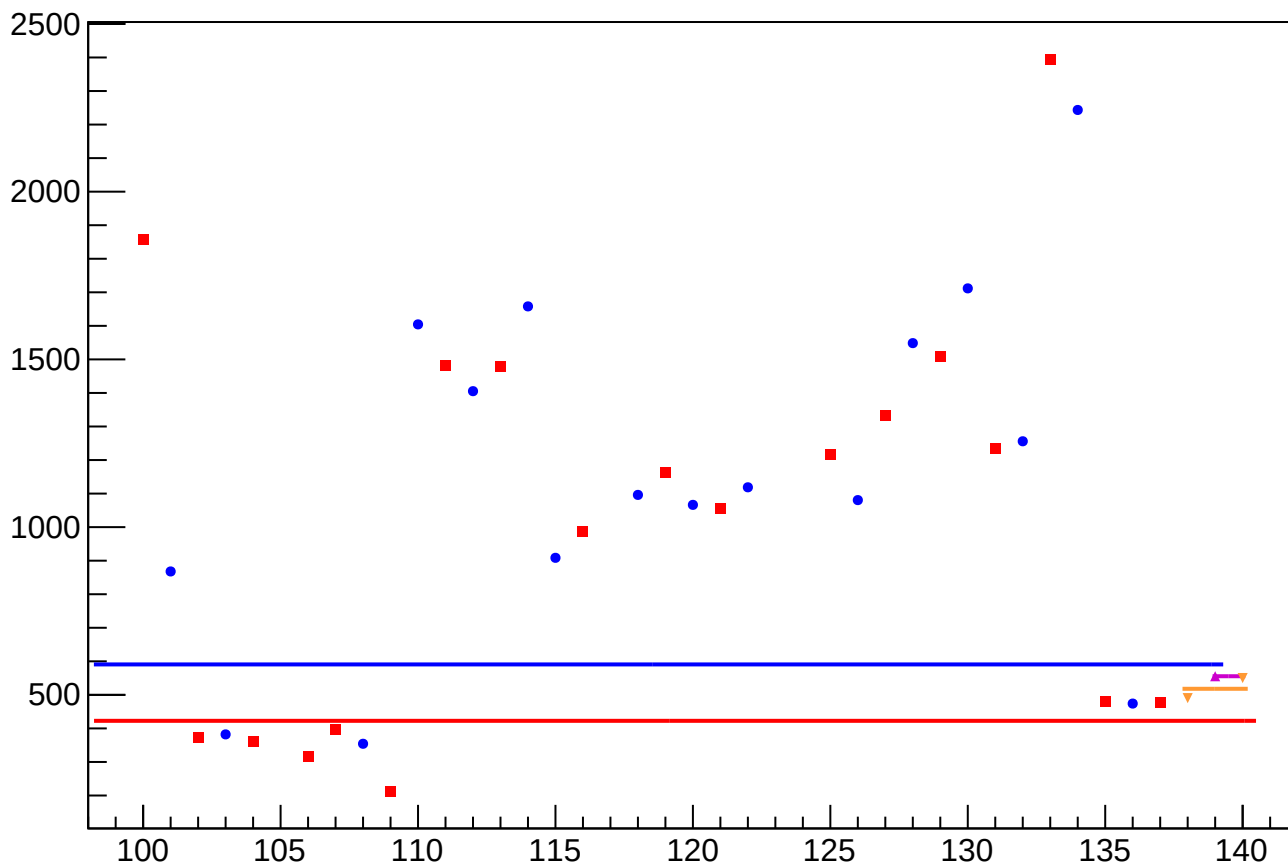
Left In: 382.245 $\pm$ 611.035 χ^2 /NDF:0.0/0

+ sign 120.128 $\pm$ 219.864 χ^2 /NDF: 21.9/17

All: 140.893 $\pm$ 142.259 χ^2 /NDF: 36.5/36

- sign 155.846 $\pm$ 186.577 χ^2 /NDF: 14.6/18

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 590.747+/-0.184 χ^2/NDF : 3885530.6/15

Left Out: 518.118+/-0.290 χ^2/NDF :10615.6/1

Right Out: 422.634+/-0.139 χ^2/NDF : 4857932.7/17

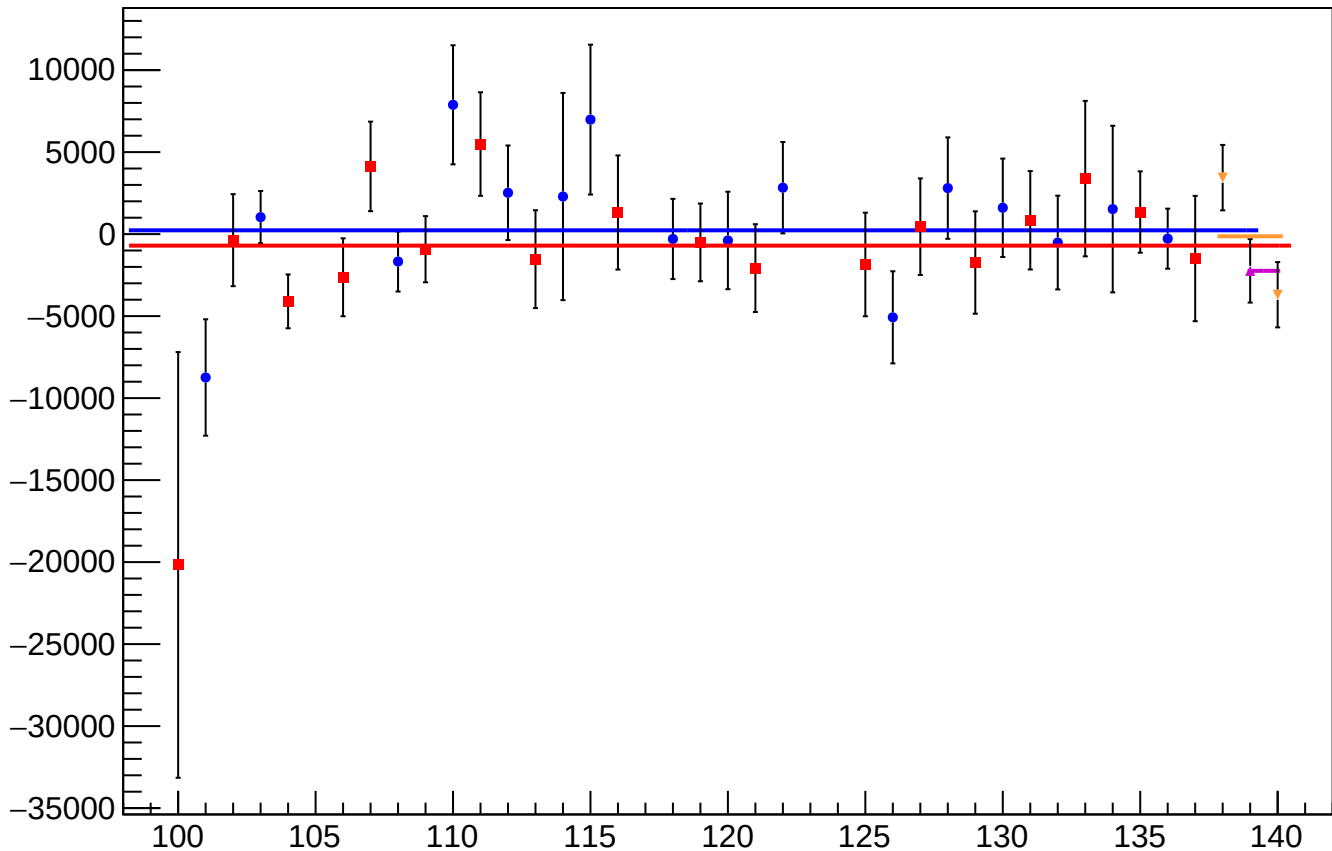
Left In: 555.553+/-0.432 χ^2/NDF :0.0/0

+ sign 569.841+/-0.155 χ^2/NDF : 3940884.5/17

All: 491.467+/-0.101 χ^2/NDF : 9321781.6/36

- sign 435.027+/-0.132 χ^2/NDF : 4943748.7/18

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761 ± 666.241 χ^2/NDF : 20.7/15

Left Out: -134.223 ± 1408.725 χ^2/NDF : 6.4/1

Right Out: -702.268 ± 648.319 χ^2/NDF : 17.0/17

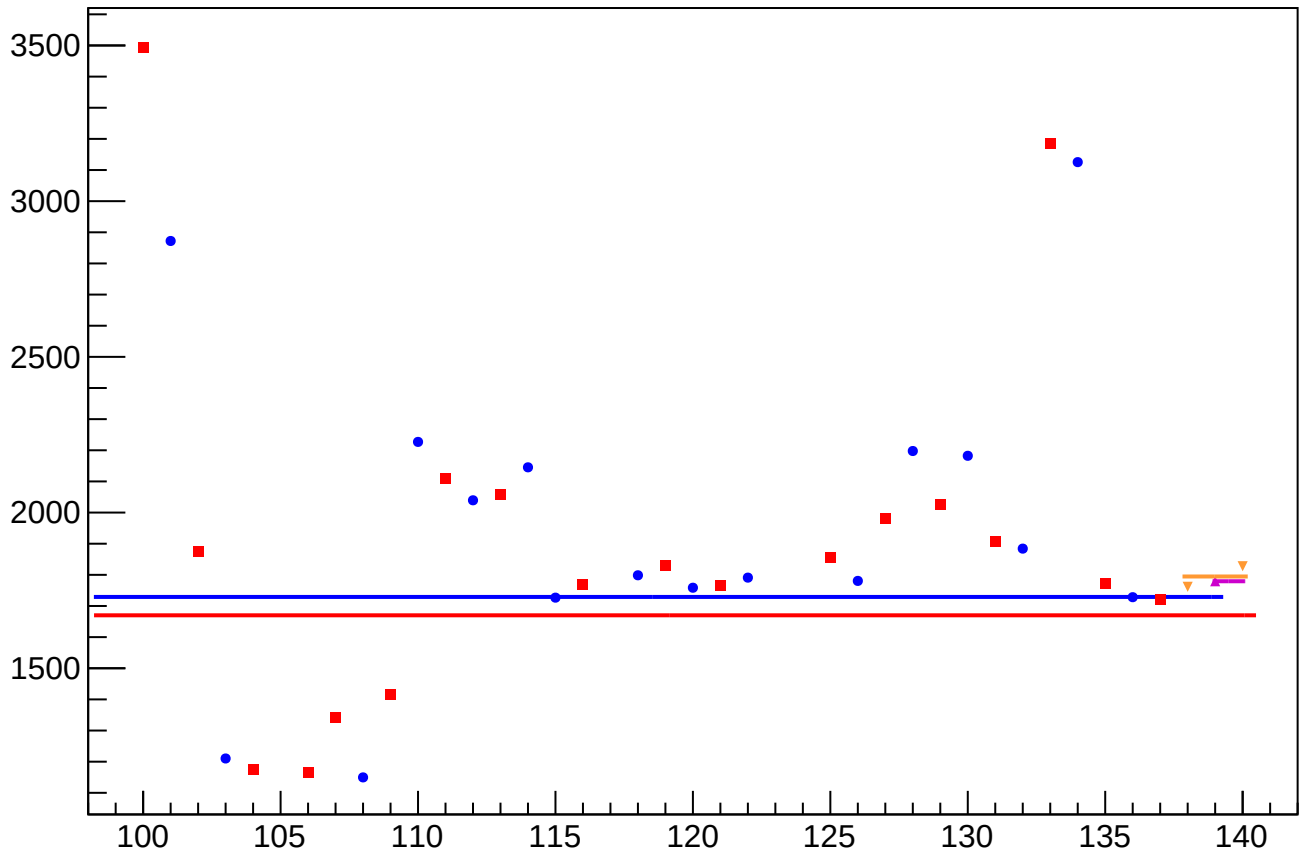
Left In: -2240.587 ± 1935.357 χ^2/NDF : 0.0/0

+ sign 164.047 ± 602.280 χ^2/NDF : 27.2/17

All: -336.254 ± 430.215 χ^2/NDF : 46.2/36

- sign -857.476 ± 614.744 χ^2/NDF : 17.6/18

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF : 942079.1/15

Left Out: 1794.709+/-0.996 χ^2/NDF : 1097.6/1

Right Out: 1670.056+/-0.458 χ^2/NDF : 744452.0/17

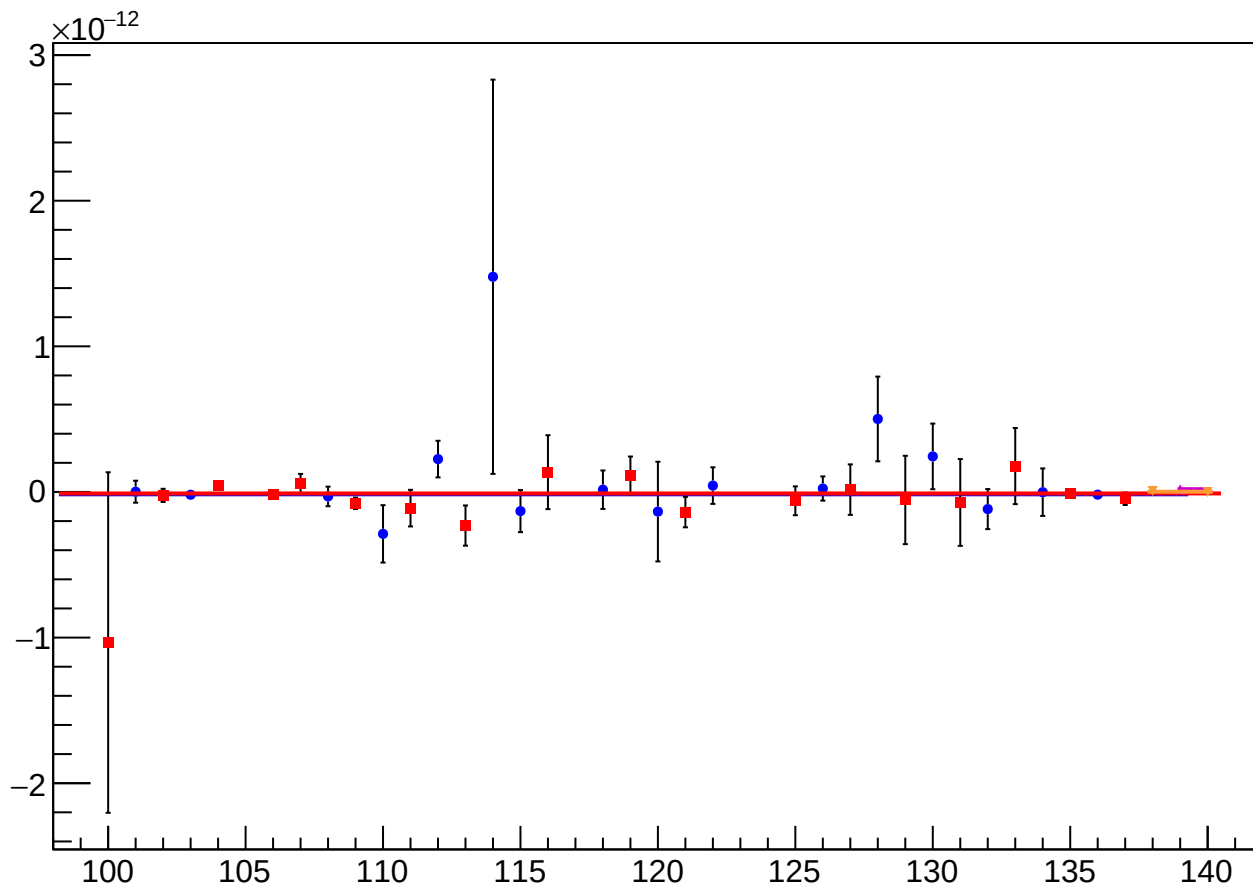
Left In: 1779.409+/-1.369 χ^2/NDF : 0.0/0

+ sign 1741.051+/-0.426 χ^2/NDF : 946727.4/17

All: 1711.684+/-0.304 χ^2/NDF : 1706629.2/36

- sign 1681.089+/-0.435 χ^2/NDF : 750193.0/18

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2 /NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 16.4/17

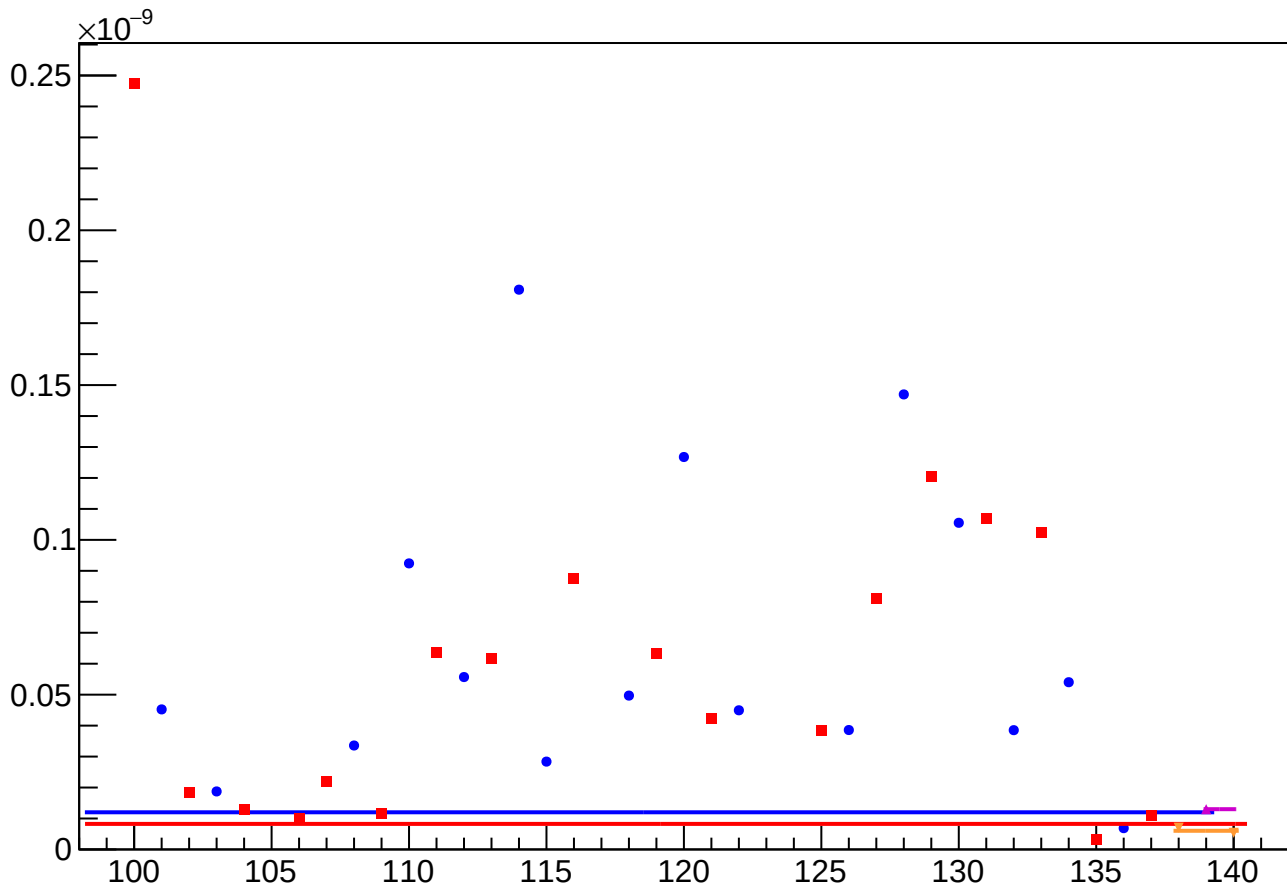
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 15.4/17

All: -0.000+/-0.000 χ^2 /NDF: 34.1/36

- sign -0.000+/-0.000 χ^2 /NDF: 18.7/18

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3425893.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21384.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3510130.7/17

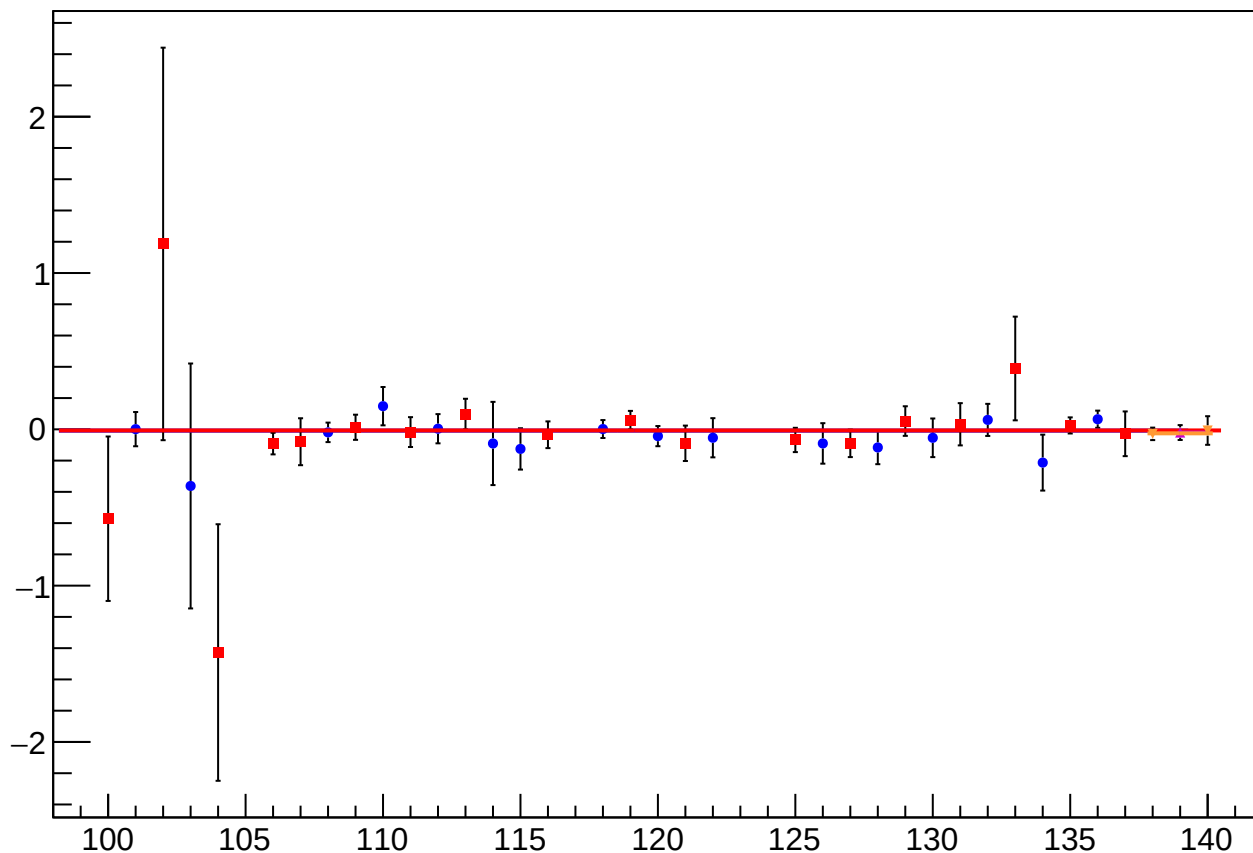
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3876043.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7524697.7/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3629613.7/18

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: -0.026 ± 0.037 χ^2/NDF : 0.0/1

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

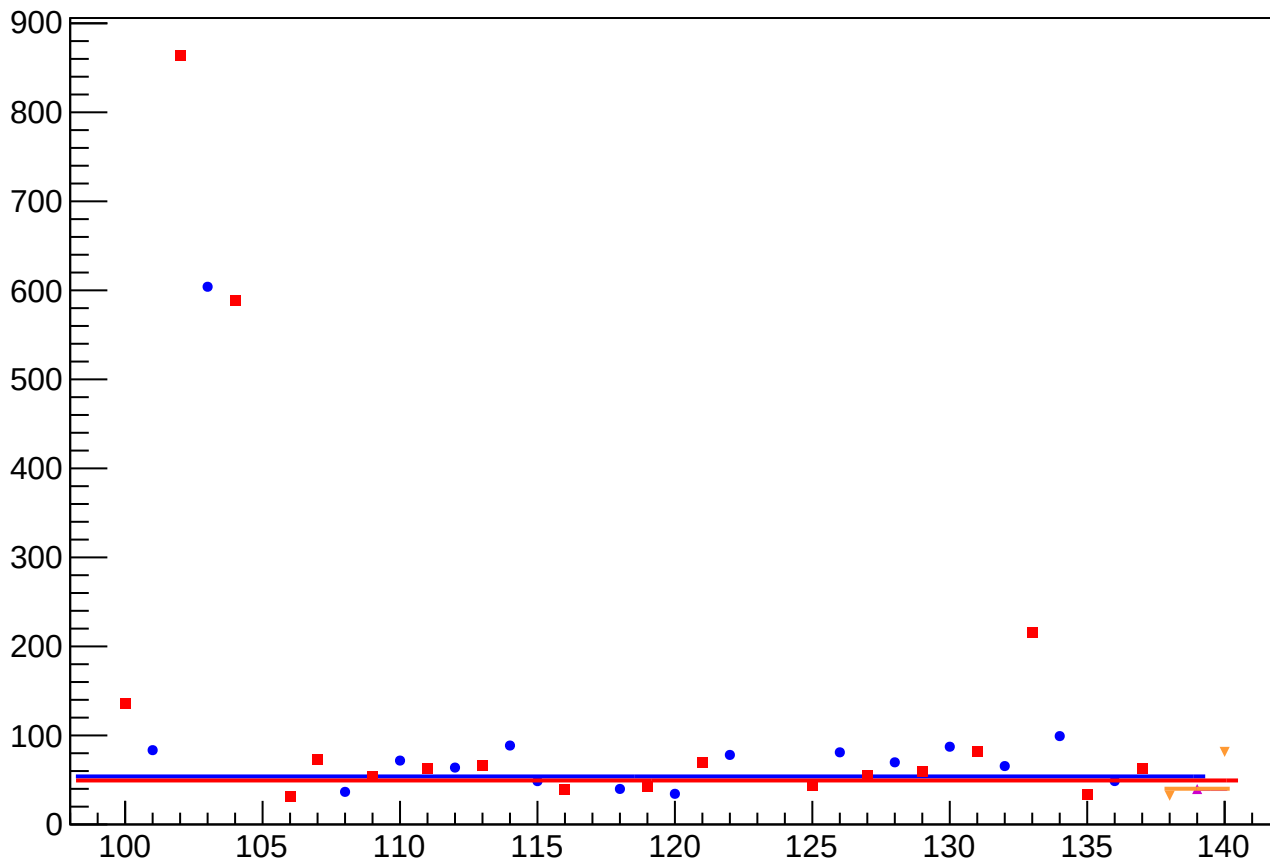
Left In: -0.021 ± 0.048 χ^2/NDF : 0.0/0

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.011 ± 0.014 χ^2/NDF : 22.3/36

- sign -0.009 ± 0.020 χ^2/NDF : 13.7/18

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF : 2214348.1/15

Left Out: 40.135+/-0.026 χ^2/NDF :486477.6/1

Right Out: 49.420 ± 0.016 χ^2/NDF : 3017719.3/17

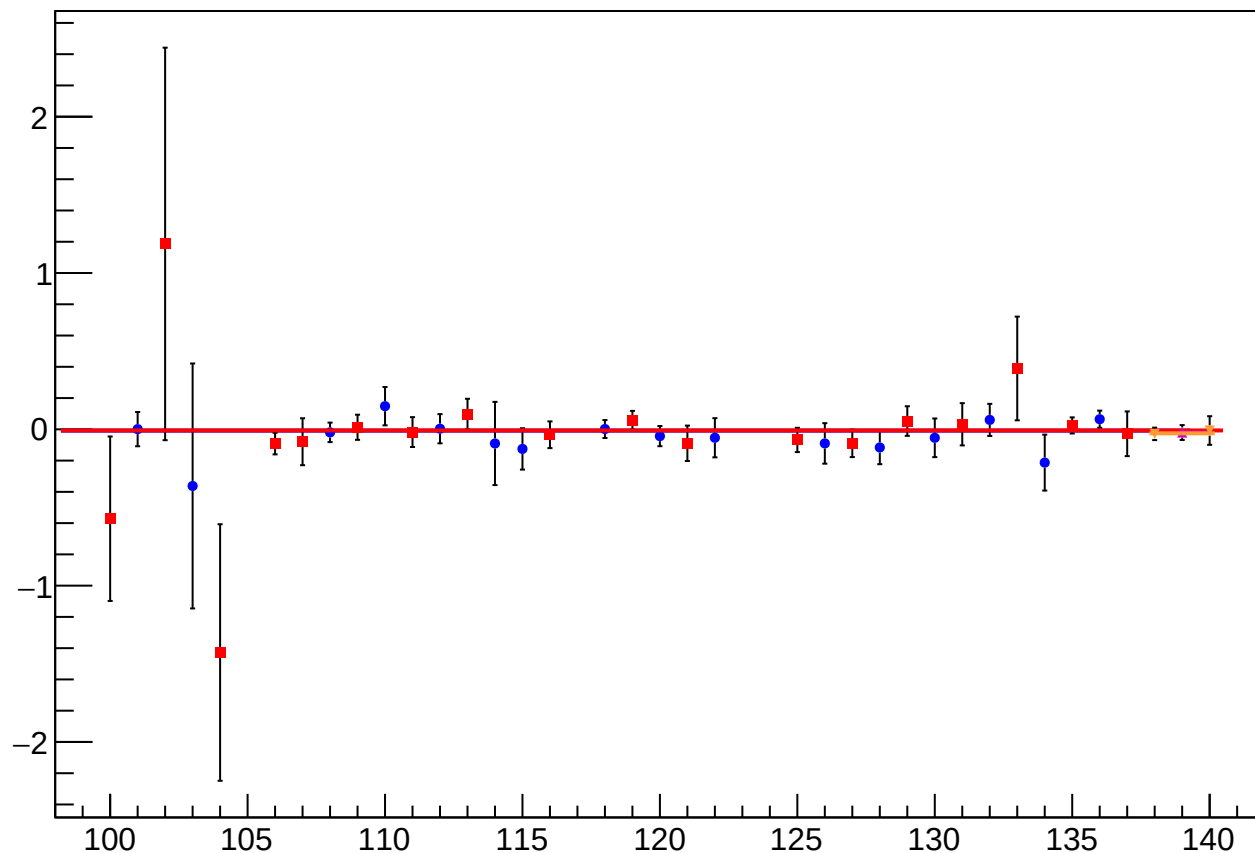
Left In: 39.809+/-0.034 χ^2 /NDF:0.0/0

+ sign 49.995+/-0.014 χ^2/NDF : 2903877.8/17

All: 48.883+/-0.010 χ^2/NDF : 6001875.1/36

- sign 47.701 $\pm$ 0.014 χ^2 /NDF: 3084624.1/18

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.023 χ^2/NDF : 8.3/15

Left Out: -0.026 ± 0.037 χ^2/NDF : 0.0/1

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

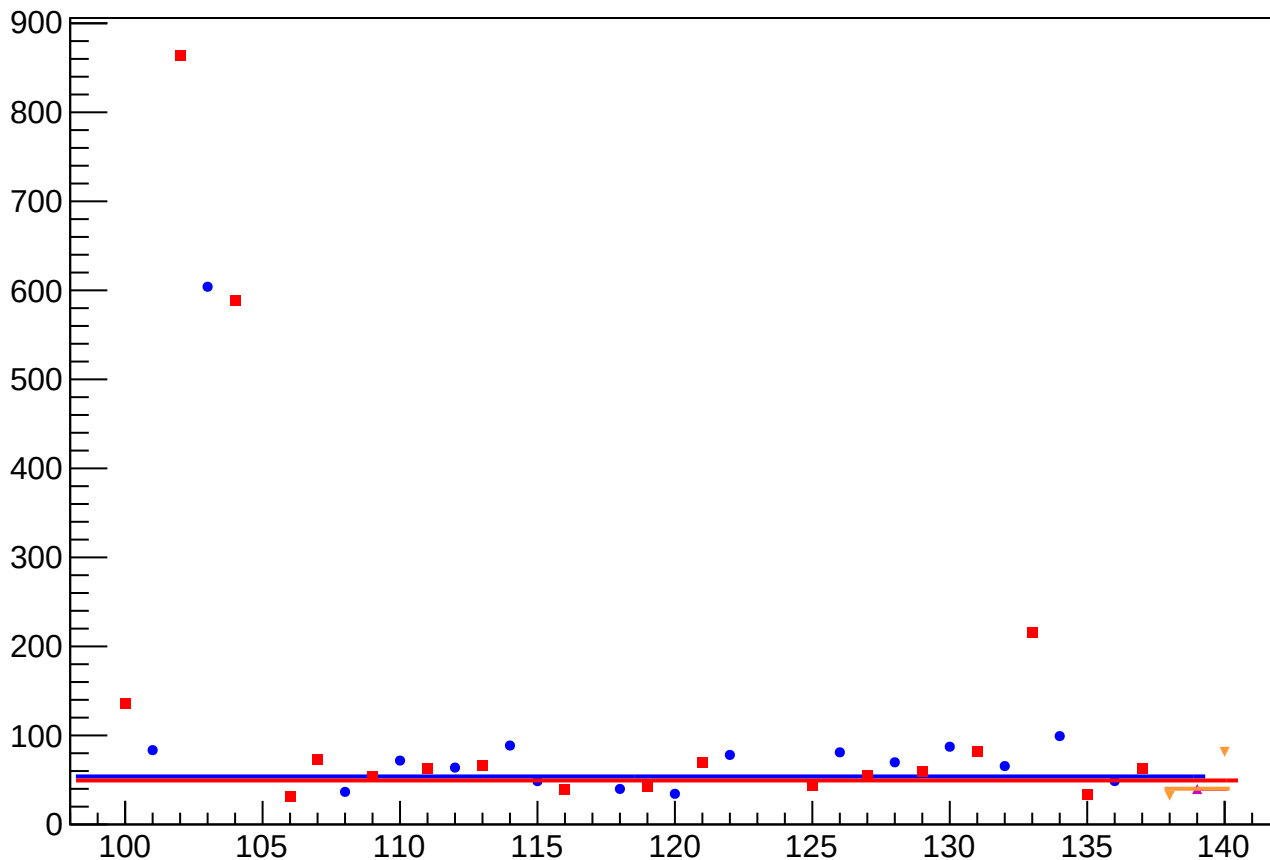
Left In: -0.021 ± 0.048 χ^2/NDF : 0.0/0

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.011 ± 0.014 χ^2/NDF : 22.3/36

- sign -0.009 ± 0.020 χ^2/NDF : 13.7/18

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.926 $\pm$ 0.016 χ^2 /NDF: 2214348.1/15

Left Out: 40.135 $\pm$ 0.026 χ^2 /NDF: 486477.6/1

Right Out: 49.420 $\pm$ 0.016 χ^2 /NDF: 3017719.3/17

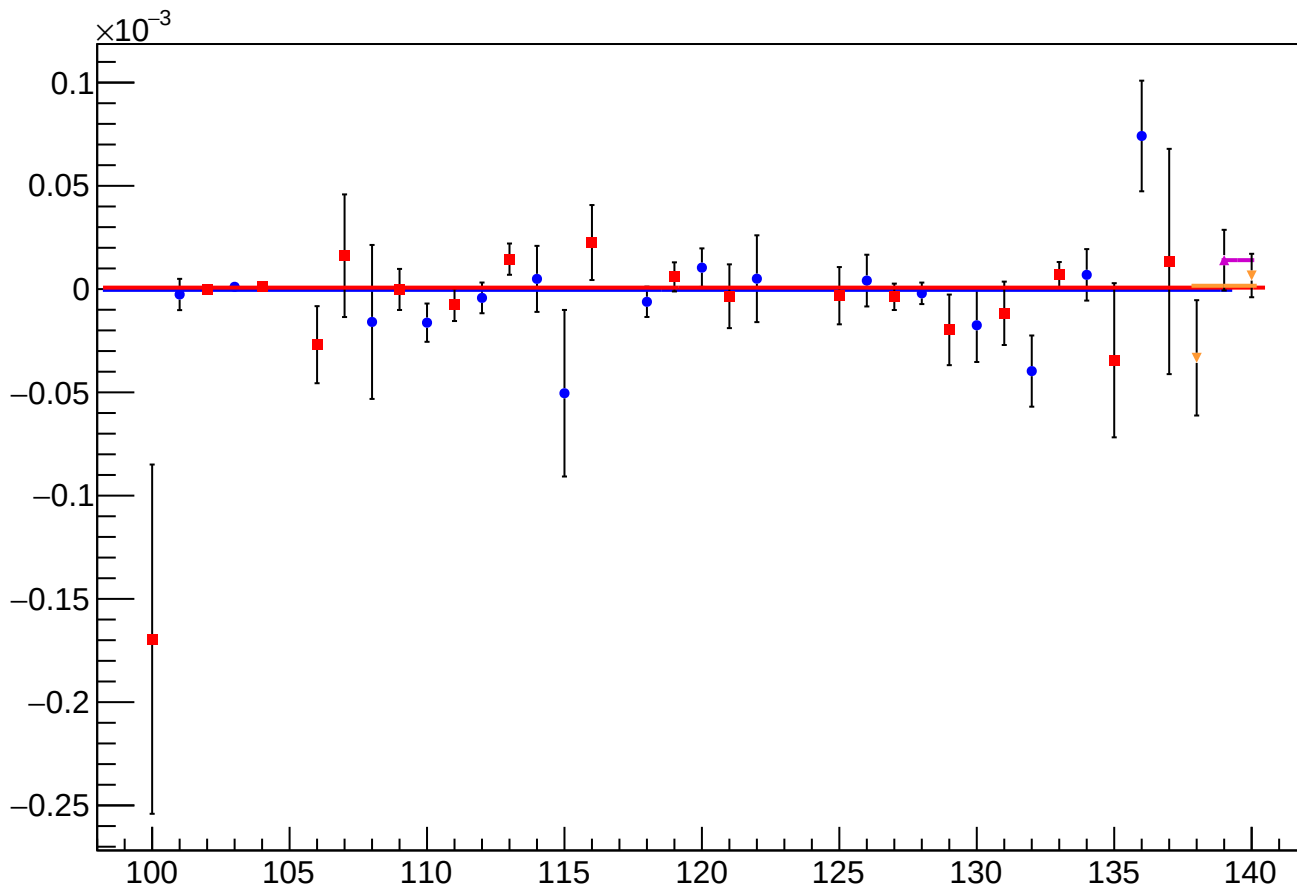
Left In: 39.809 $\pm$ 0.034 χ^2 /NDF: 0.0/0

+ sign 49.995 $\pm$ 0.014 χ^2 /NDF: 2903877.8/17

All: 48.883 $\pm$ 0.010 χ^2 /NDF: 6001875.1/36

- sign 47.701 $\pm$ 0.014 χ^2 /NDF: 3084624.1/18

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.8/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.8/17

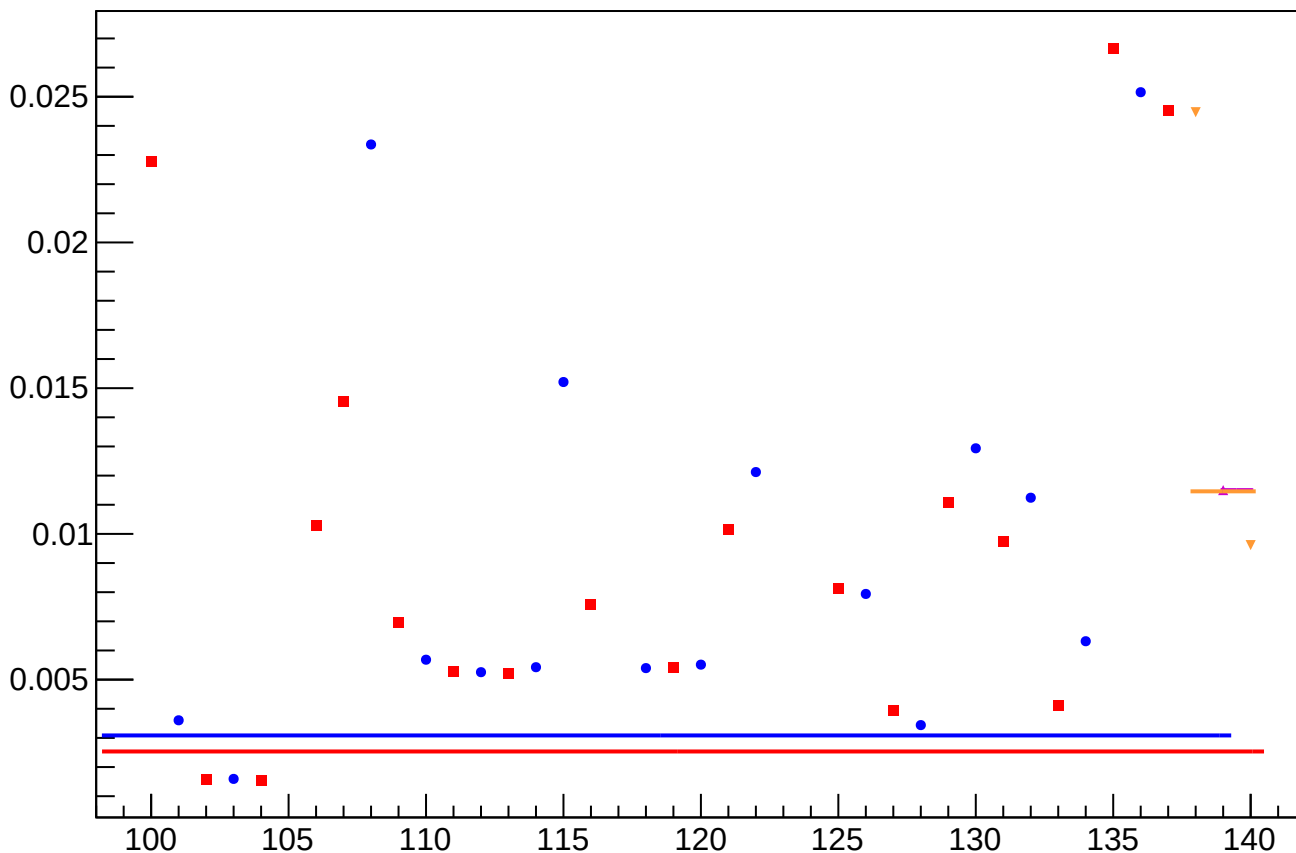
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 23.9/17

All: 0.000 ± 0.000 χ^2/NDF : 42.9/36

- sign 0.000 ± 0.000 χ^2/NDF : 18.6/18

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5779108.6/15

Left Out: 0.011+/-0.000 χ^2/NDF : 495593.3/1

Right Out: 0.003+/-0.000 χ^2/NDF : 6237059.6/17

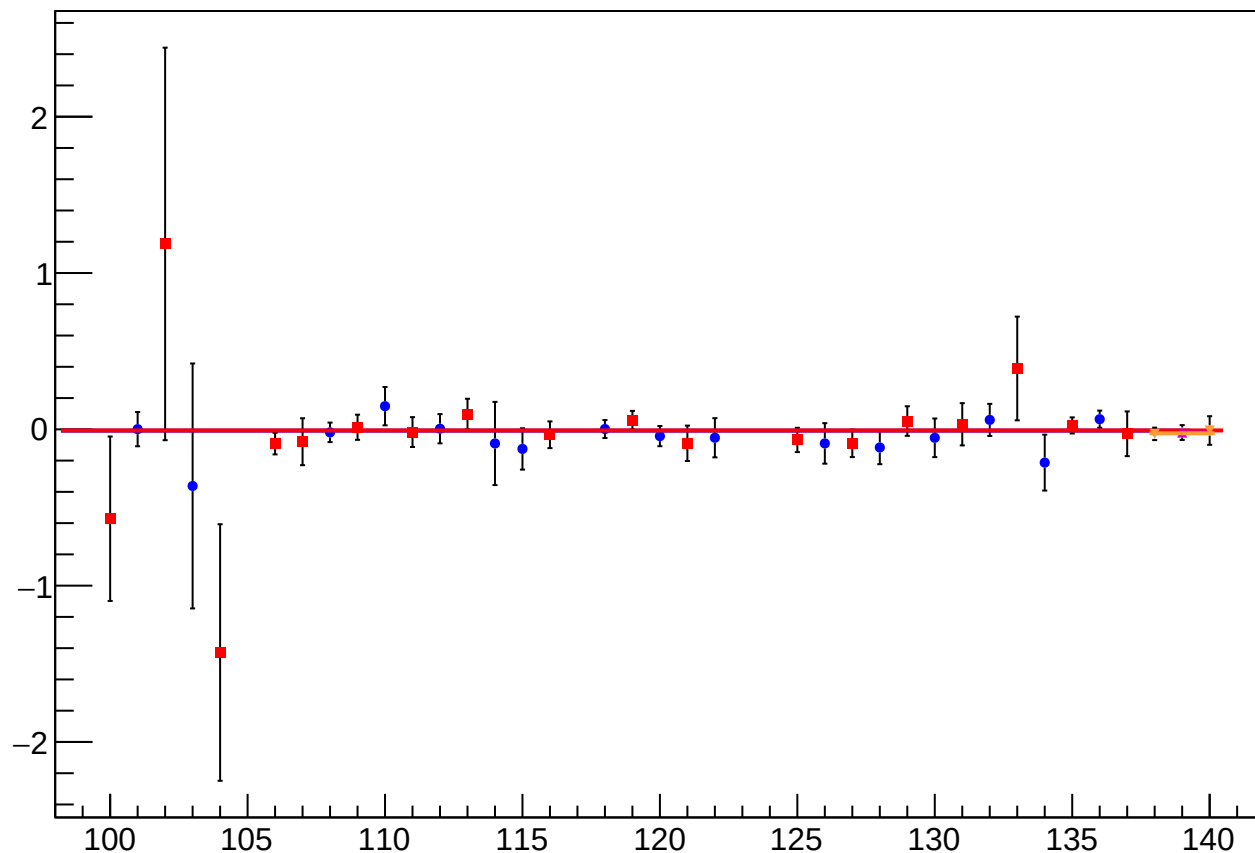
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 7684906.4/17

All: 0.003+/-0.000 χ^2/NDF : 14901852.1/36

- sign 0.003+/-0.000 χ^2/NDF : 6977751.0/18

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.023 χ^2/NDF : 8.3/15

Left Out: -0.026 ± 0.037 χ^2/NDF : 0.0/1

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

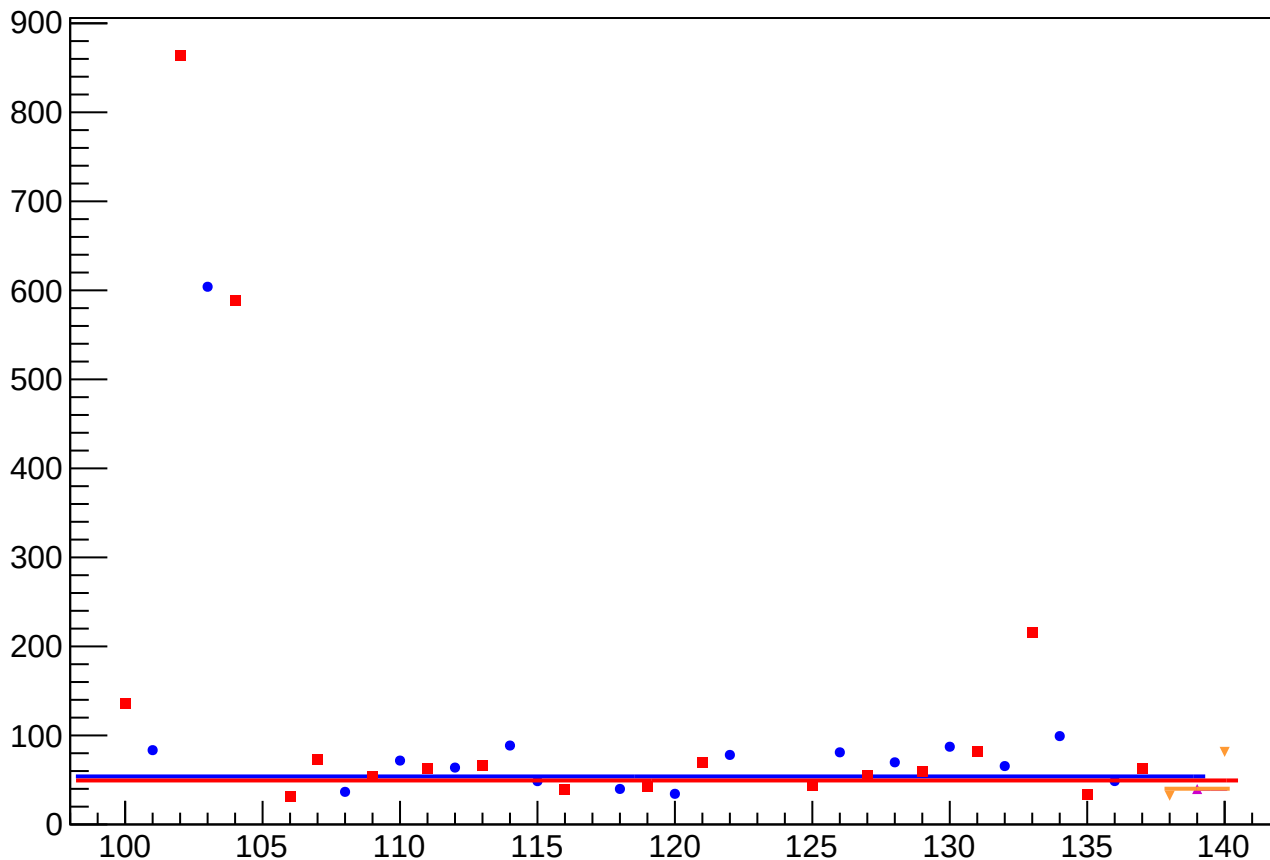
Left In: -0.021 ± 0.048 χ^2/NDF : 0.0/0

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.011 ± 0.014 χ^2/NDF : 22.3/36

- sign -0.009 ± 0.020 χ^2/NDF : 13.7/18

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 53.929 $\pm$ 0.016 χ^2 /NDF: 2213950.2/15

Left Out: 40.144 $\pm$ 0.026 χ^2 /NDF: 486366.8/1

Right Out: 49.422 $\pm$ 0.016 χ^2 /NDF: 3017440.2/17

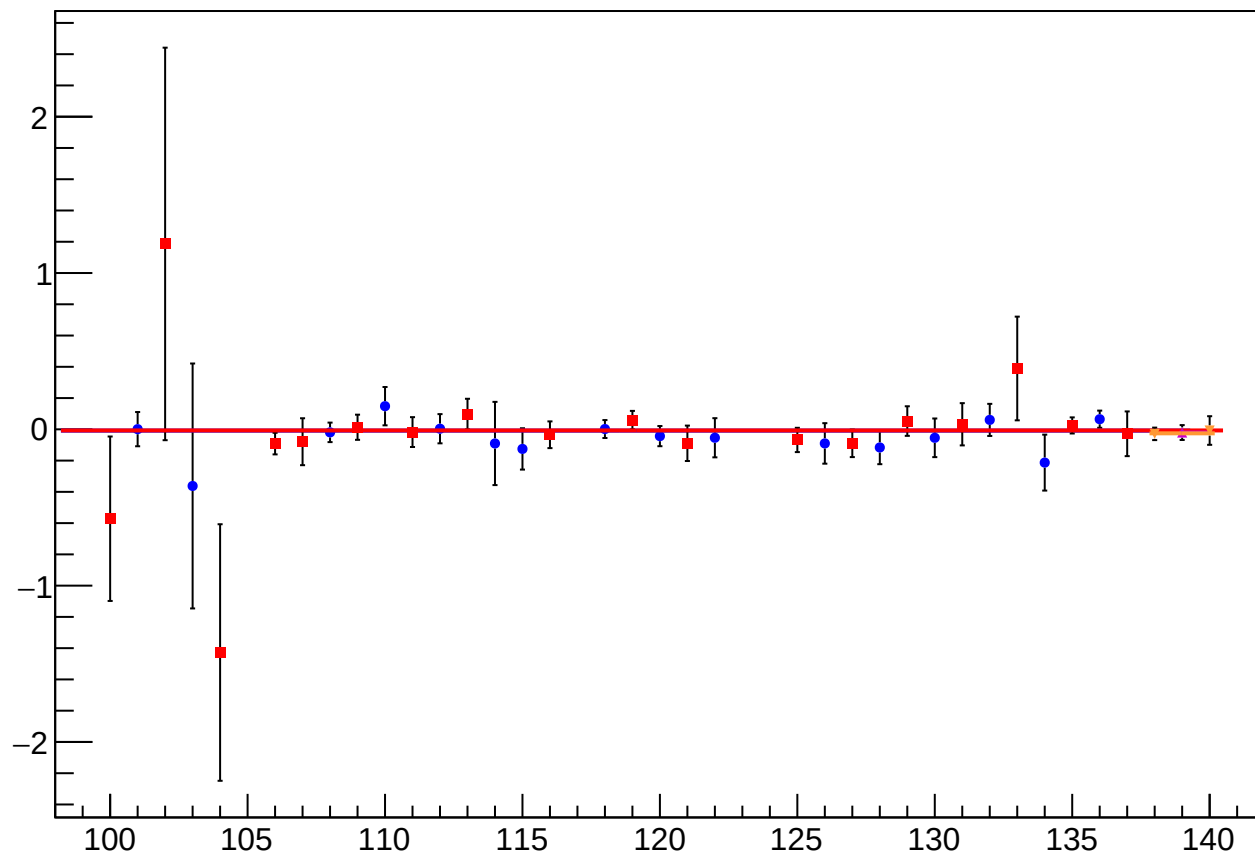
Left In: 39.811 $\pm$ 0.034 χ^2 /NDF: 0.0/0

+ sign 50.001 $\pm$ 0.014 χ^2 /NDF: 2903134.3/17

All: 48.886 $\pm$ 0.010 χ^2 /NDF: 6000880.7/36

- sign 47.703 $\pm$ 0.014 χ^2 /NDF: 3084333.8/18

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: -0.026 ± 0.037 χ^2/NDF : 0.0/1

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

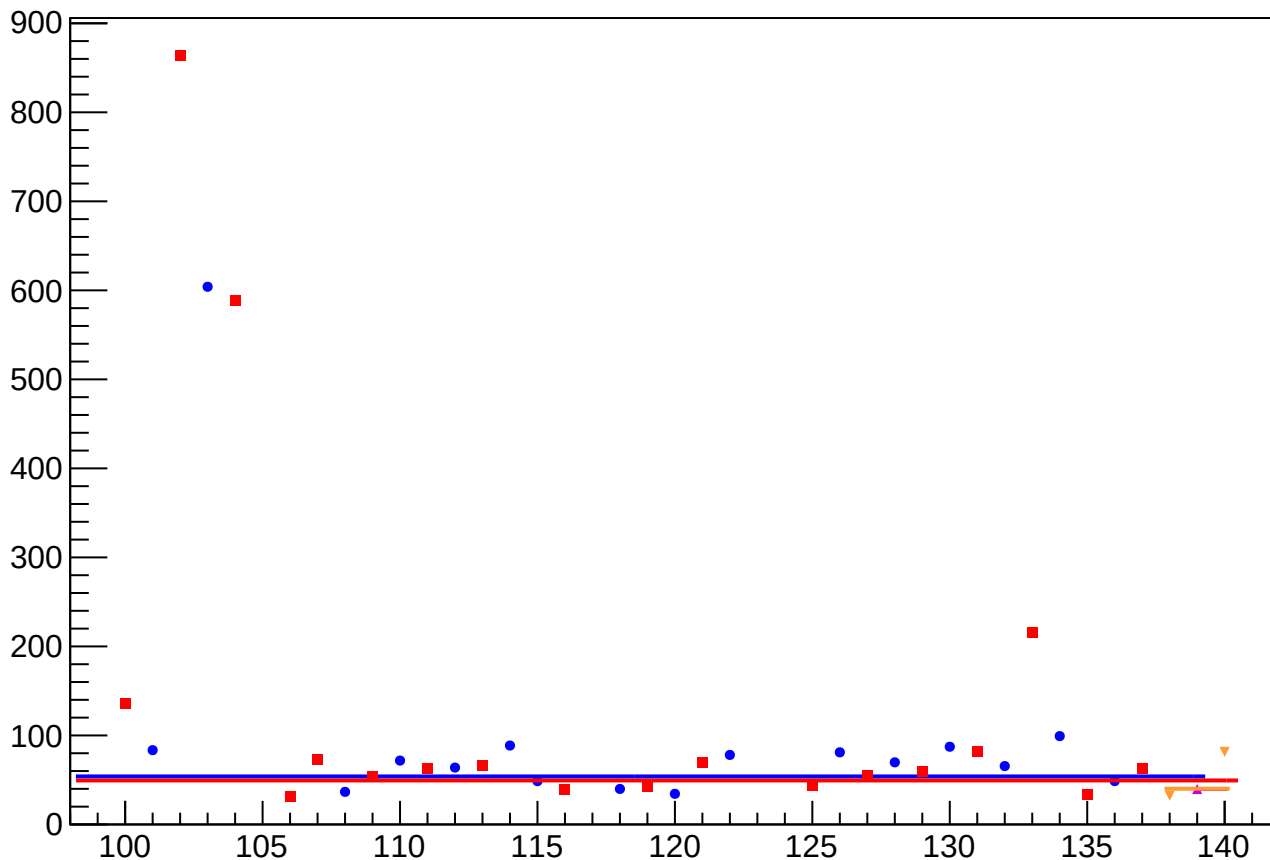
Left In: -0.021 ± 0.048 χ^2/NDF : 0.0/0

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.011 ± 0.014 χ^2/NDF : 22.3/36

- sign -0.009 ± 0.020 χ^2/NDF : 13.7/18

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.929+/-0.016 χ^2/NDF : 2213950.2/15

Left Out: 40.144+/-0.026 χ^2/NDF : 486366.8/1

Right Out: 49.422+/-0.016 χ^2/NDF : 3017440.2/17

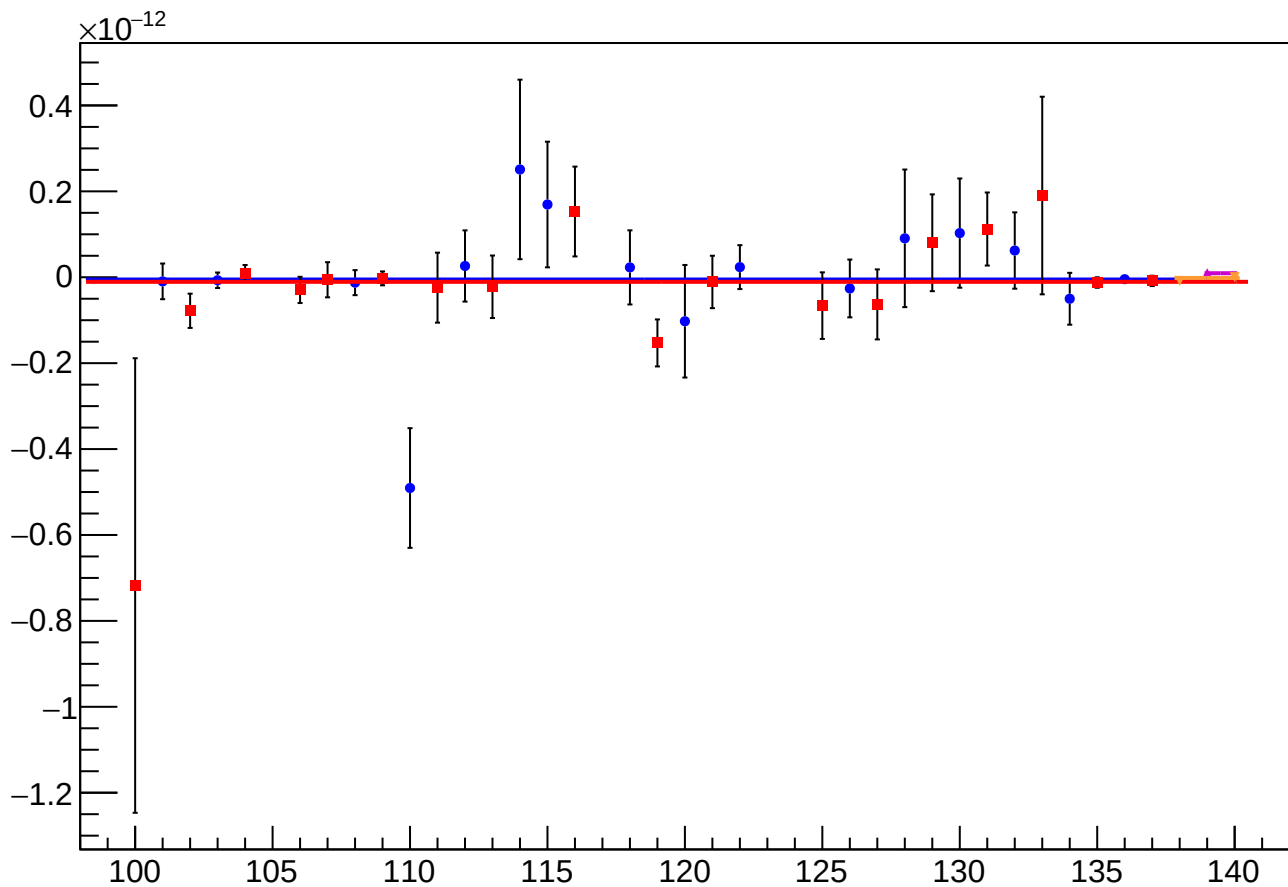
Left In: 39.811+/-0.034 χ^2/NDF : 0.0/0

+ sign 50.001+/-0.014 χ^2/NDF : 2903134.3/17

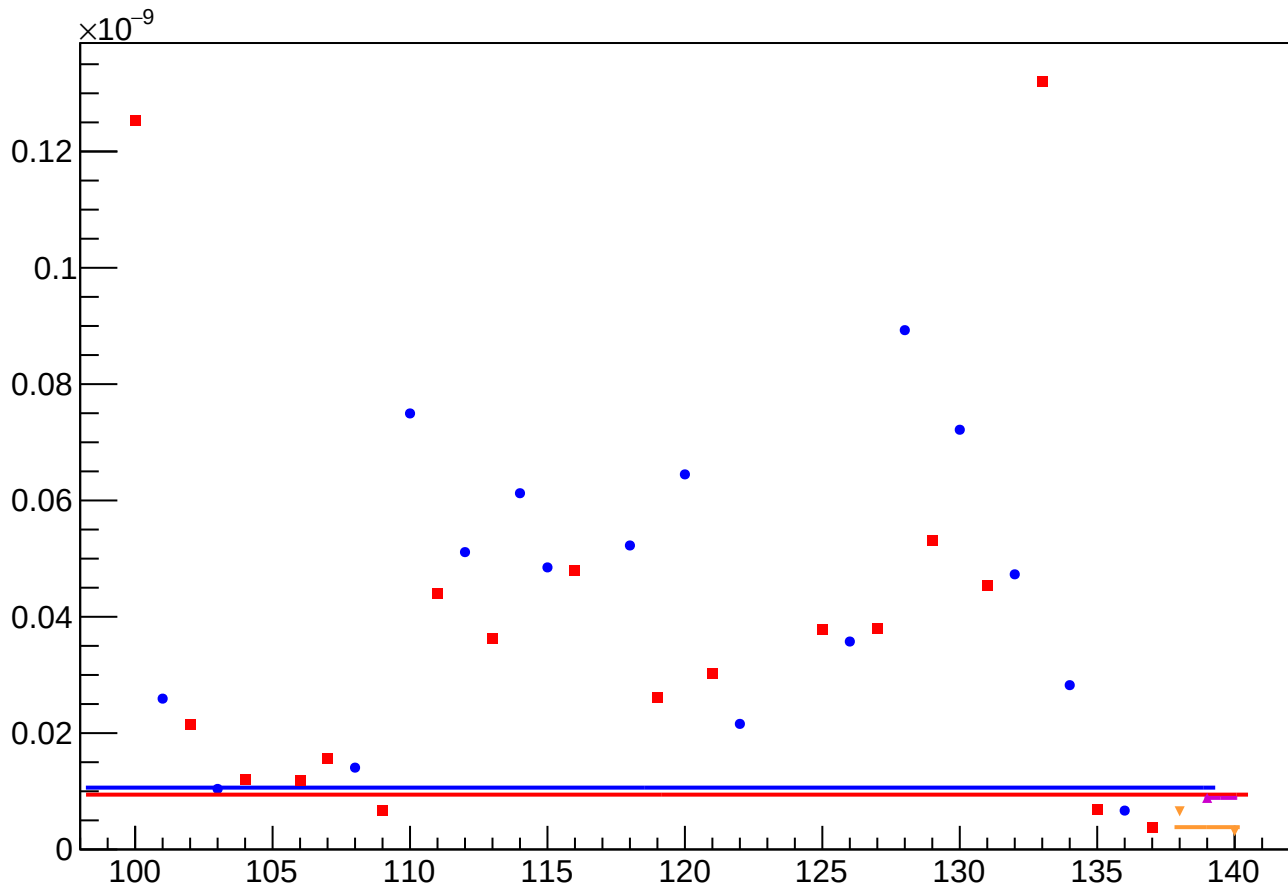
All: 48.886+/-0.010 χ^2/NDF : 6000880.7/36

- sign 47.703+/-0.014 χ^2/NDF : 3084333.8/18

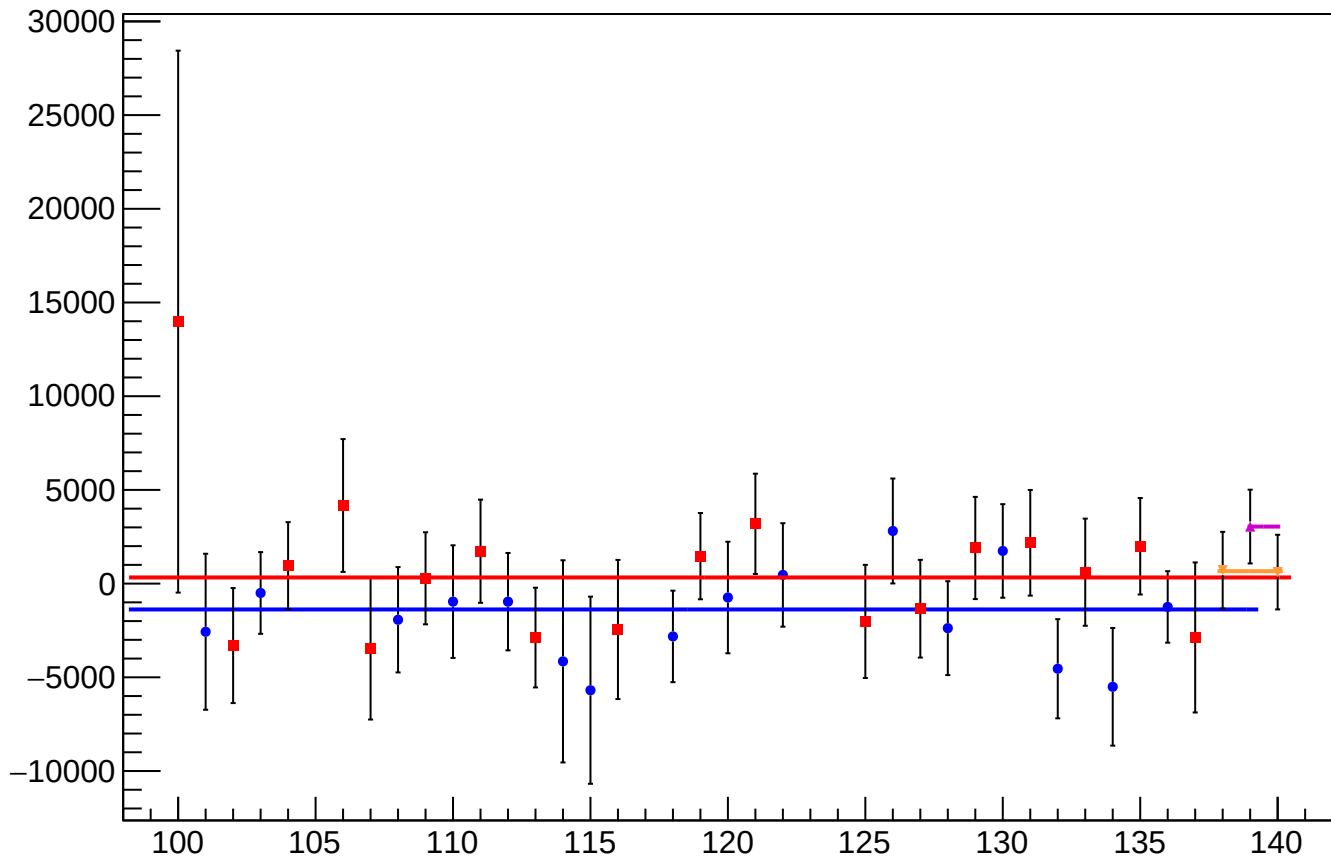
asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758 $\pm$ 689.030 χ^2 /NDF: 9.3/15

Left Out: 663.442 $\pm$ 1426.856 χ^2 /NDF: 0.0/1

Right Out: 328.770 $\pm$ 683.888 χ^2 /NDF: 11.0/17

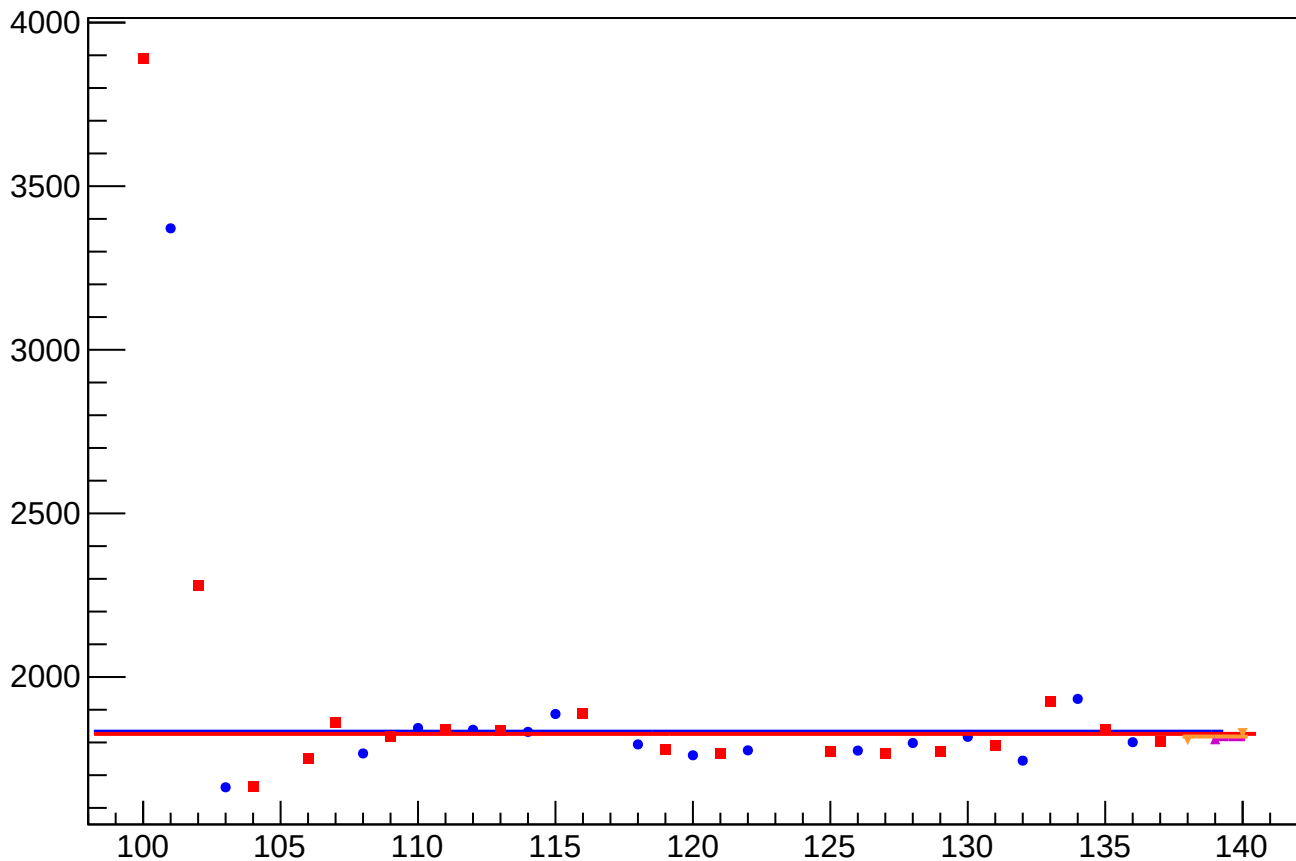
Left In: 3043.286 $\pm$ 1967.273 χ^2 /NDF: 0.0/0

+ sign -992.584 $\pm$ 620.472 χ^2 /NDF: 11.0/17

All: -218.051 $\pm$ 447.482 χ^2 /NDF: 27.0/36

- sign 621.445 $\pm$ 645.969 χ^2 /NDF: 12.7/18

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295439.4/15

Left Out: 1818.151 $\pm$ 1.009 χ^2 /NDF:112.7/1

Right Out: 1826.208 $\pm$ 0.484 χ^2 /NDF: 103006.6/17

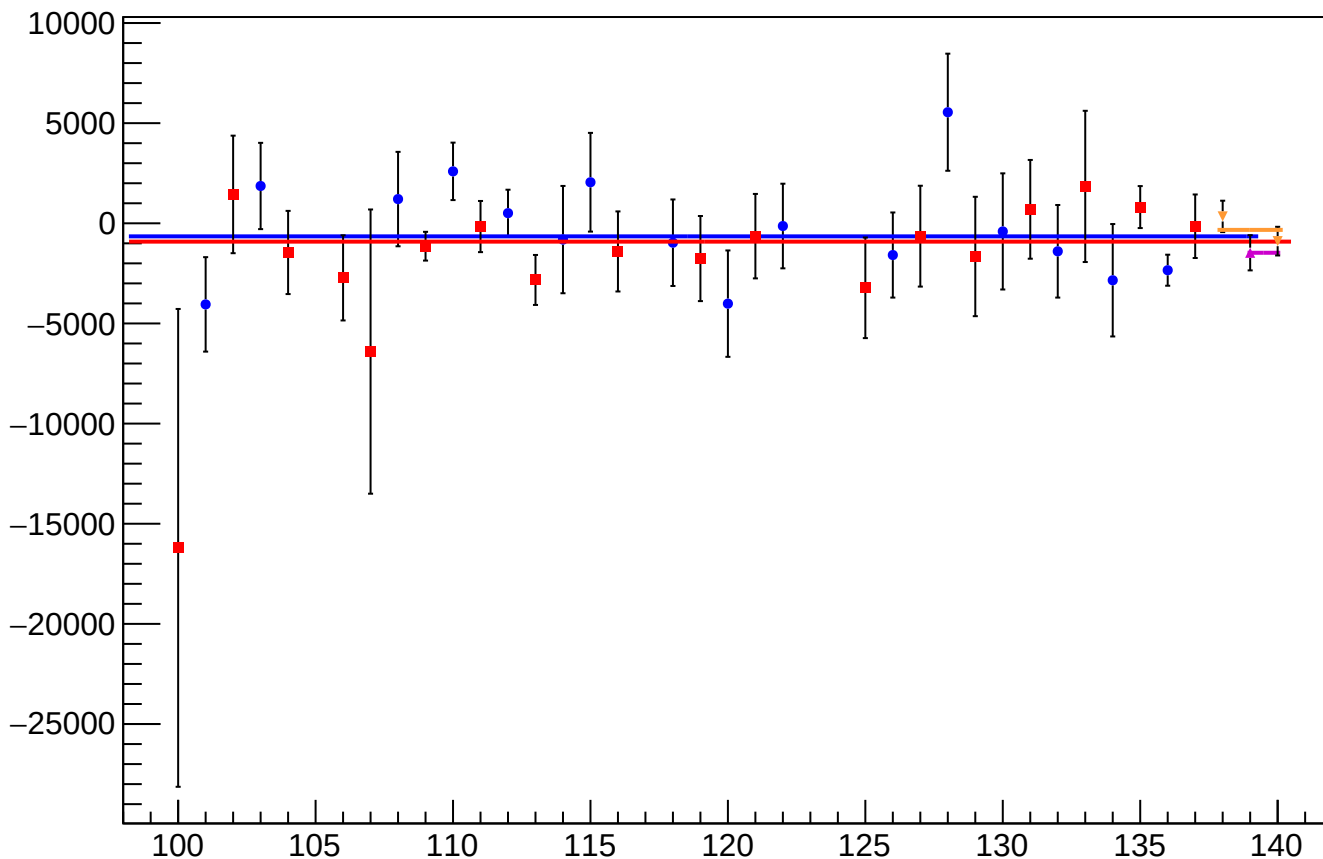
Left In: 1809.867 $\pm$ 1.391 χ^2 /NDF:0.0/0

+ sign 1830.149 $\pm$ 0.439 χ^2 /NDF: 295726.4/17

All: 1827.412 $\pm$ 0.316 χ^2 /NDF: 398937.2/36

- sign 1824.446 $\pm$ 0.457 χ^2 /NDF: 103129.7/18

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -651.944+/-442.135 χ^2/NDF : 23.2/15

Left Out: -328.896+/-528.561 χ^2/NDF : 1.4/1

Right Out: -914.717+/-393.421 χ^2/NDF : 11.5/17

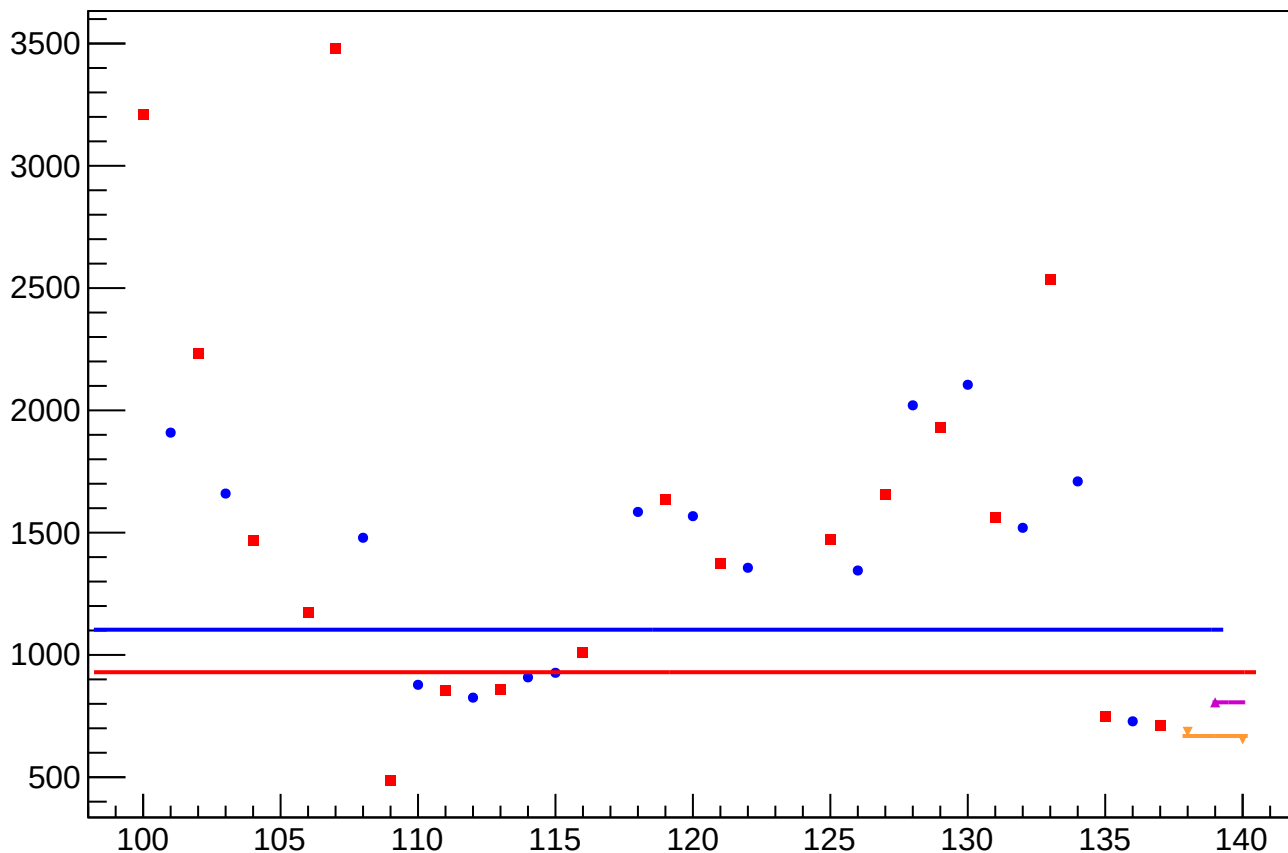
Left In: -1471.237+/-879.301 χ^2/NDF : 0.0/0

+ sign -518.957+/-339.131 χ^2/NDF : 24.8/17

All: -749.278+/-246.564 χ^2/NDF : 37.6/36

- sign -1007.543+/-359.115 χ^2/NDF : 11.9/18

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: 668.463+/-0.374 χ^2/NDF : 1728.0/1

Right Out: 929.356+/-0.278 χ^2/NDF : 3054092.4/17

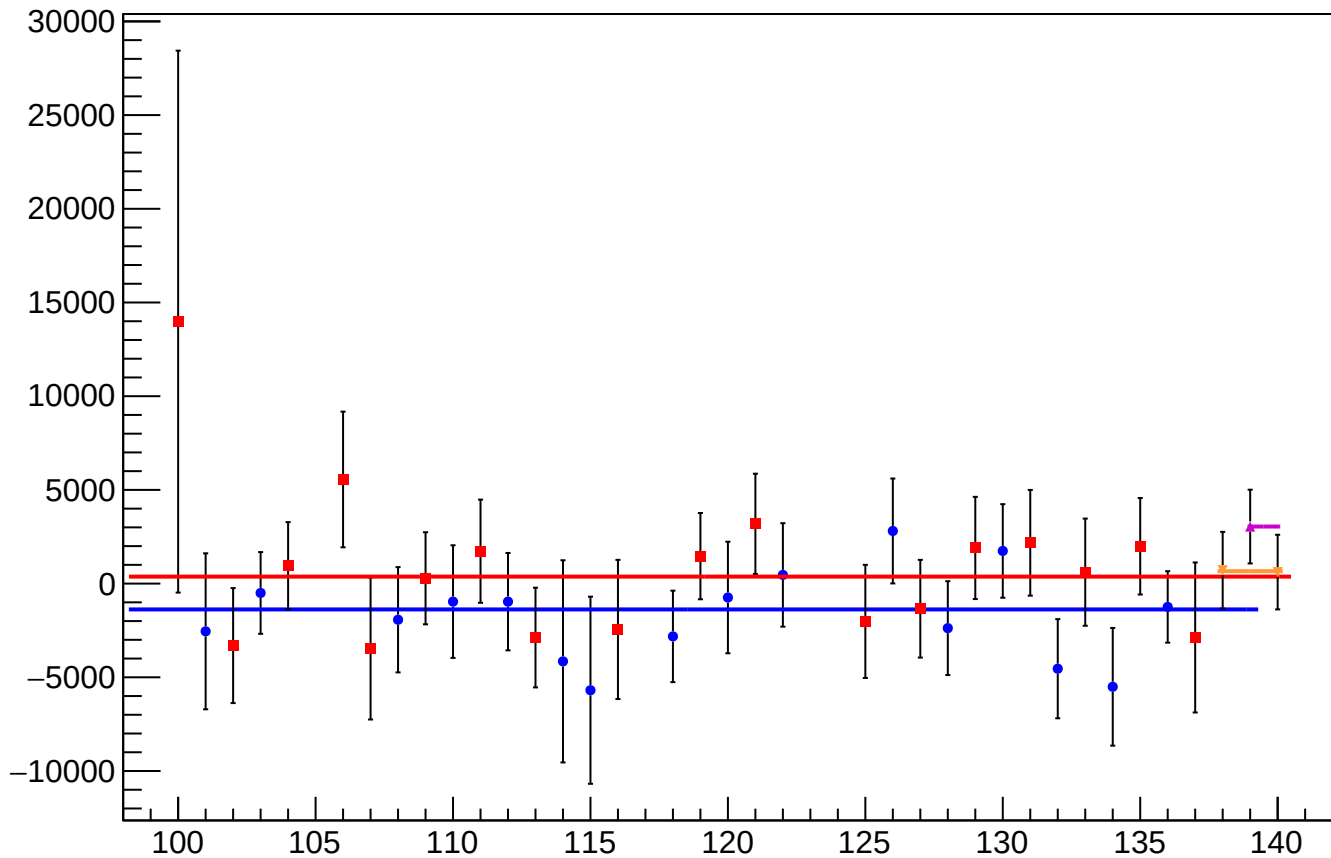
Left In: 806.213+/-0.622 χ^2/NDF : 0.0/0

+ sign 924.224+/-0.240 χ^2/NDF : 2675849.9/17

All: 916.961+/-0.174 χ^2/NDF : 5764571.9/36

- sign 908.816+/-0.254 χ^2/NDF : 3086775.8/18

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF : 9.3/15

Left Out: 663.546+/-1426.856 χ^2/NDF : 0.0/1

Right Out: 372.534+/-684.408 χ^2/NDF : 12.0/17

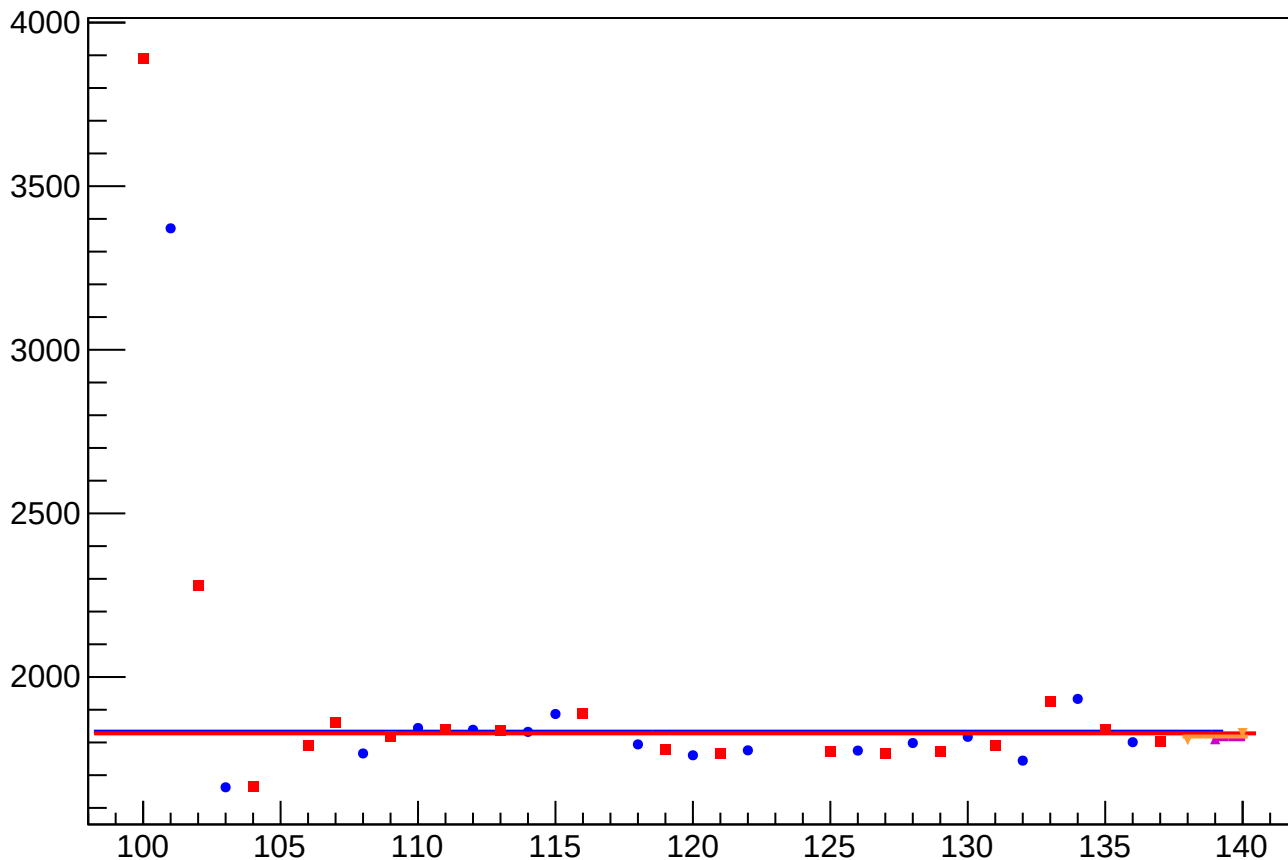
Left In: 3043.580+/-1967.273 χ^2/NDF : 0.0/0

+ sign -992.058+/-620.473 χ^2/NDF : 11.0/17

All: -199.397+/-447.628 χ^2/NDF : 28.0/36

- sign 660.913+/-646.407 χ^2/NDF : 13.6/18

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295441.2/15

Left Out: 1818.151 $\pm$ 1.009 χ^2 /NDF:112.7/1

Right Out: 1827.785 $\pm$ 0.484 χ^2 /NDF: 102270.3/17

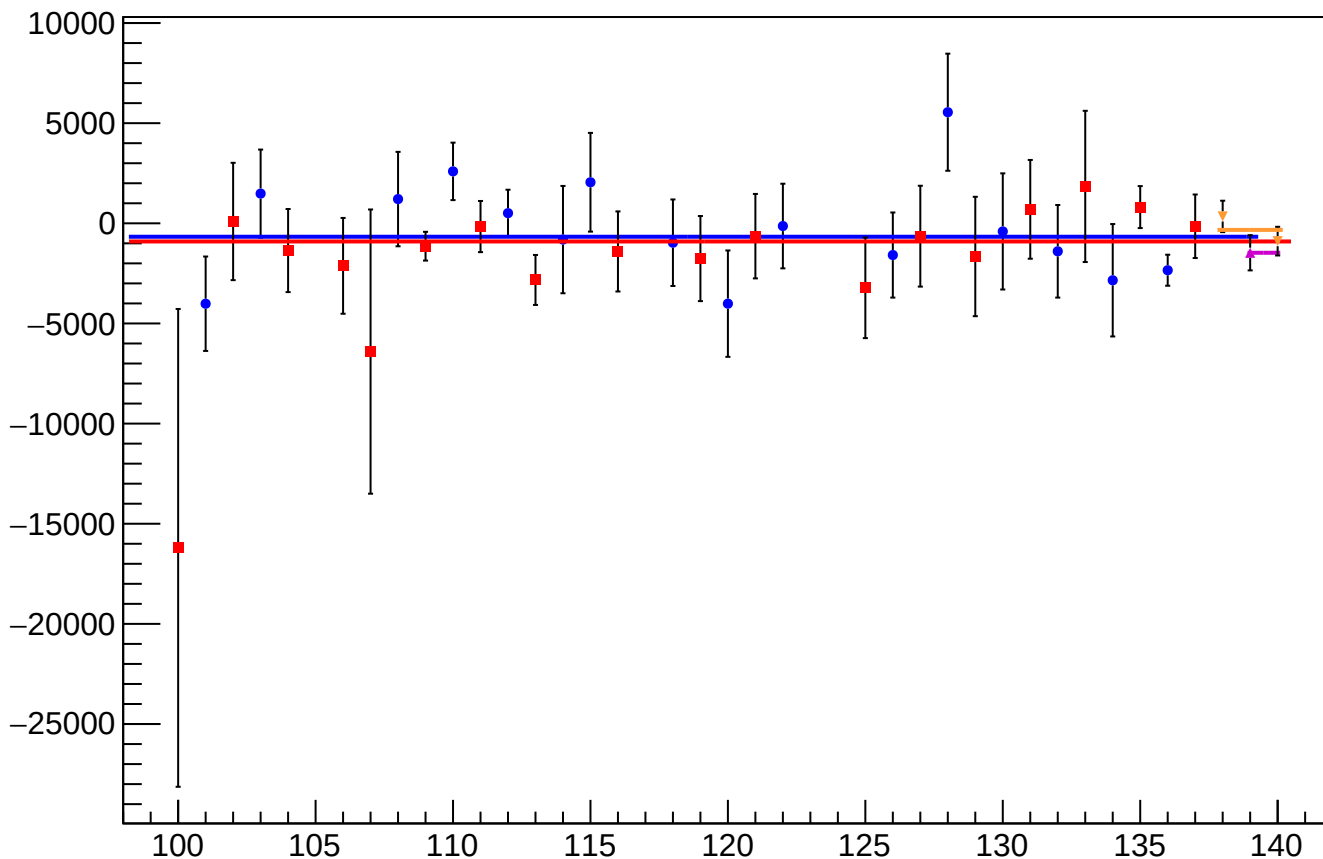
Left In: 1809.867 $\pm$ 1.391 χ^2 /NDF:0.0/0

+ sign 1830.149 $\pm$ 0.439 χ^2 /NDF: 295728.3/17

All: 1828.088 $\pm$ 0.317 χ^2 /NDF: 398192.6/36

- sign 1825.850 $\pm$ 0.457 χ^2 /NDF: 102418.3/18

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



Right In: -670.539+/-442.505 χ^2/NDF : 22.8/15

Left Out: -328.913+/-528.559 χ^2/NDF : 1.4/1

Right Out: -905.874+/-394.814 χ^2/NDF : 10.5/17

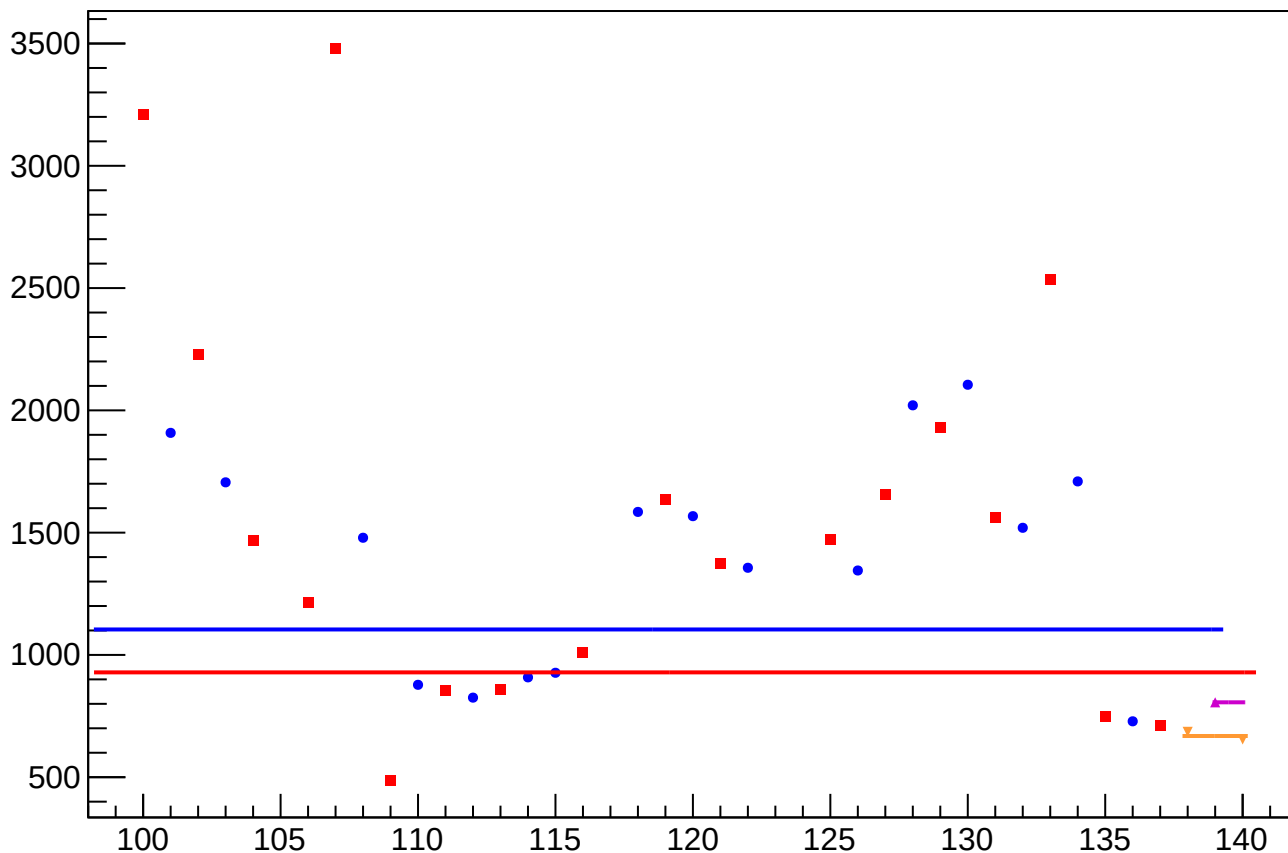
Left In: -1470.895+/-879.312 χ^2/NDF : 0.0/0

+ sign -529.765+/-339.297 χ^2/NDF : 24.4/17

All: -751.176+/-246.970 χ^2/NDF : 36.1/36

- sign -1000.672+/-360.174 χ^2/NDF : 10.9/18

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: 668.461+/-0.374 χ^2/NDF : 1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

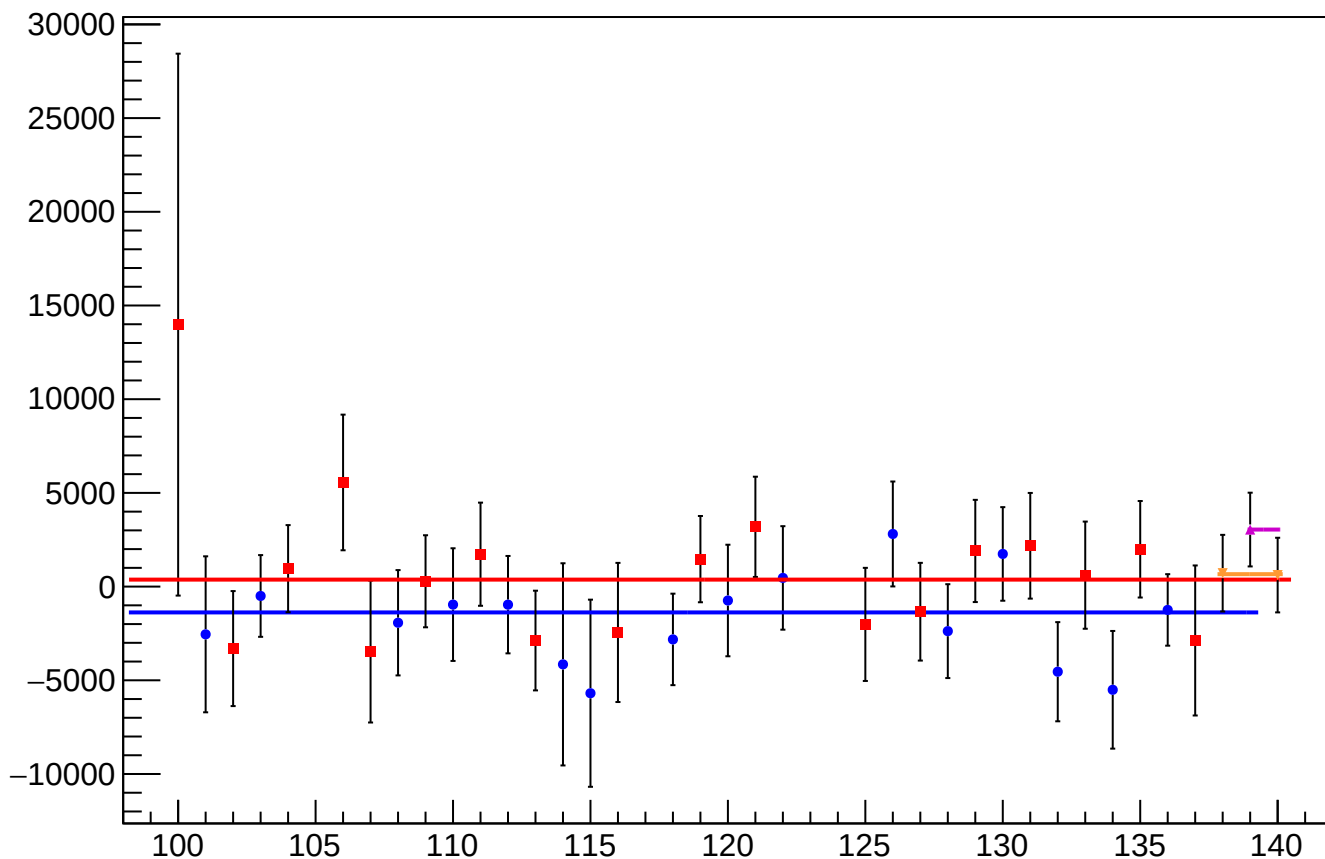
Left In: 806.223+/-0.622 χ^2/NDF : 0.0/0

+ sign 924.587+/-0.240 χ^2/NDF : 2694984.7/17

All: 916.831+/-0.175 χ^2/NDF : 5783843.1/36

- sign 908.092+/-0.255 χ^2/NDF : 3086635.8/18

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: 663.546+/-1426.856 χ^2/NDF : 0.0/1

Right Out: 372.534+/-684.408 χ^2/NDF : 12.0/17

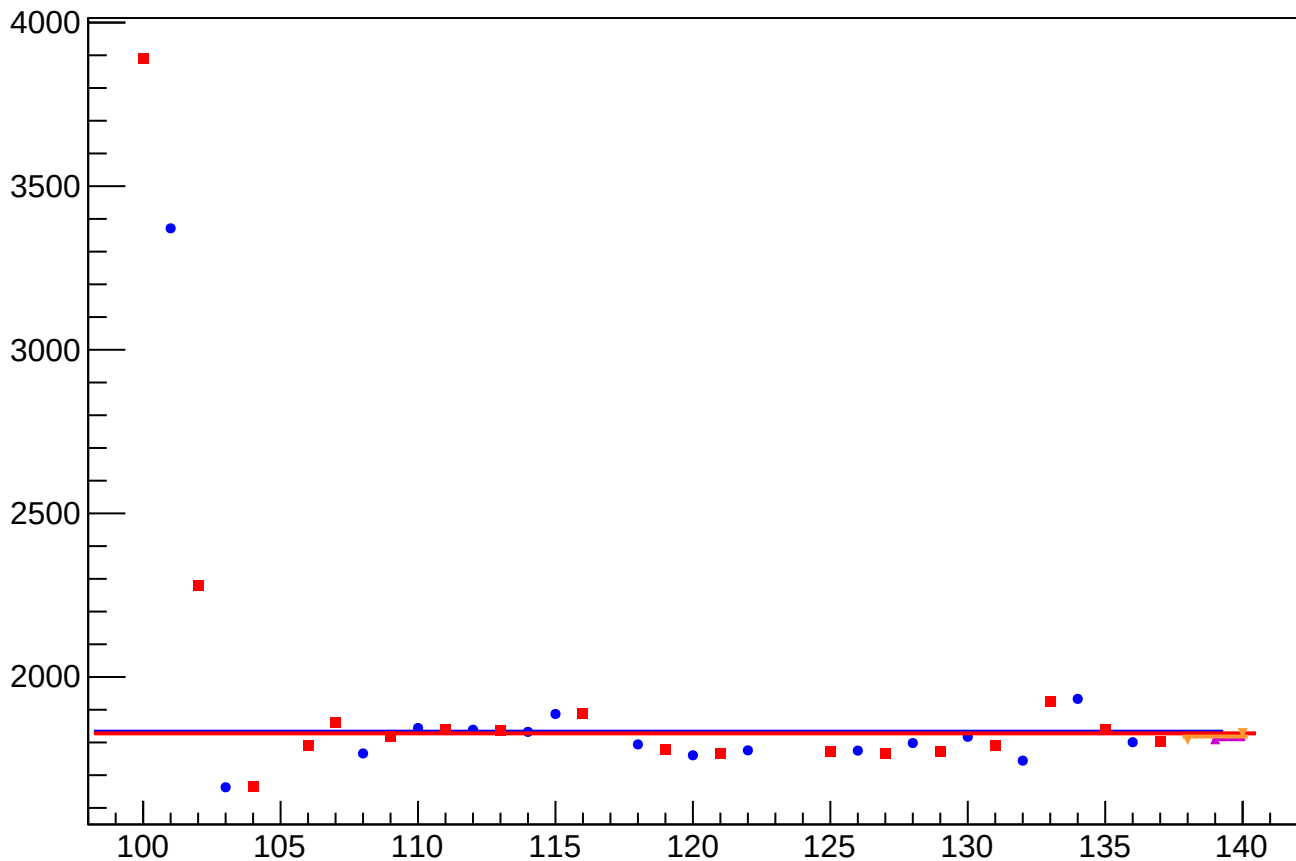
Left In: 3043.580+/-1967.273 χ^2/NDF : 0.0/0

+ sign -992.058+/-620.473 χ^2/NDF : 11.0/17

All: -199.397+/-447.628 χ^2/NDF : 28.0/36

- sign 660.913+/-646.407 χ^2/NDF : 13.6/18

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295441.2/15

Left Out: 1818.151 $\pm$ 1.009 χ^2 /NDF:112.7/1

+ sign 1830.149 $\pm$ 0.439 χ^2 /NDF: 295728.3/17

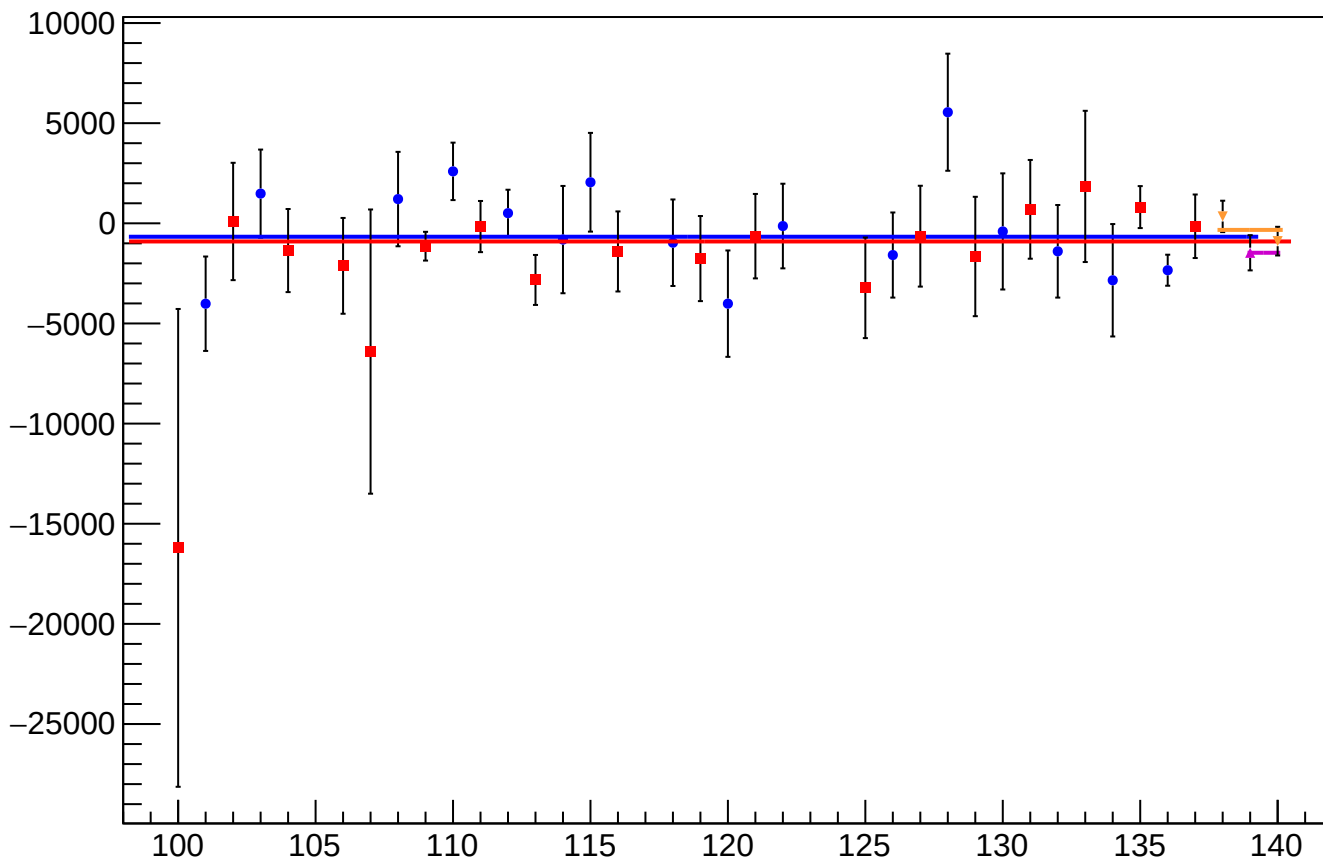
Right Out: 1827.785 $\pm$ 0.484 χ^2 /NDF: 102270.3/17

All: 1828.088 $\pm$ 0.317 χ^2 /NDF: 398192.6/36

- sign 1825.850 $\pm$ 0.457 χ^2 /NDF: 102418.3/18

Left In: 1809.867 $\pm$ 1.391 χ^2 /NDF:0.0/0

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -670.539+/-442.505 χ^2/NDF : 22.8/15

Left Out: -328.913+/-528.559 χ^2/NDF : 1.4/1

Right Out: -905.874+/-394.814 χ^2/NDF : 10.5/17

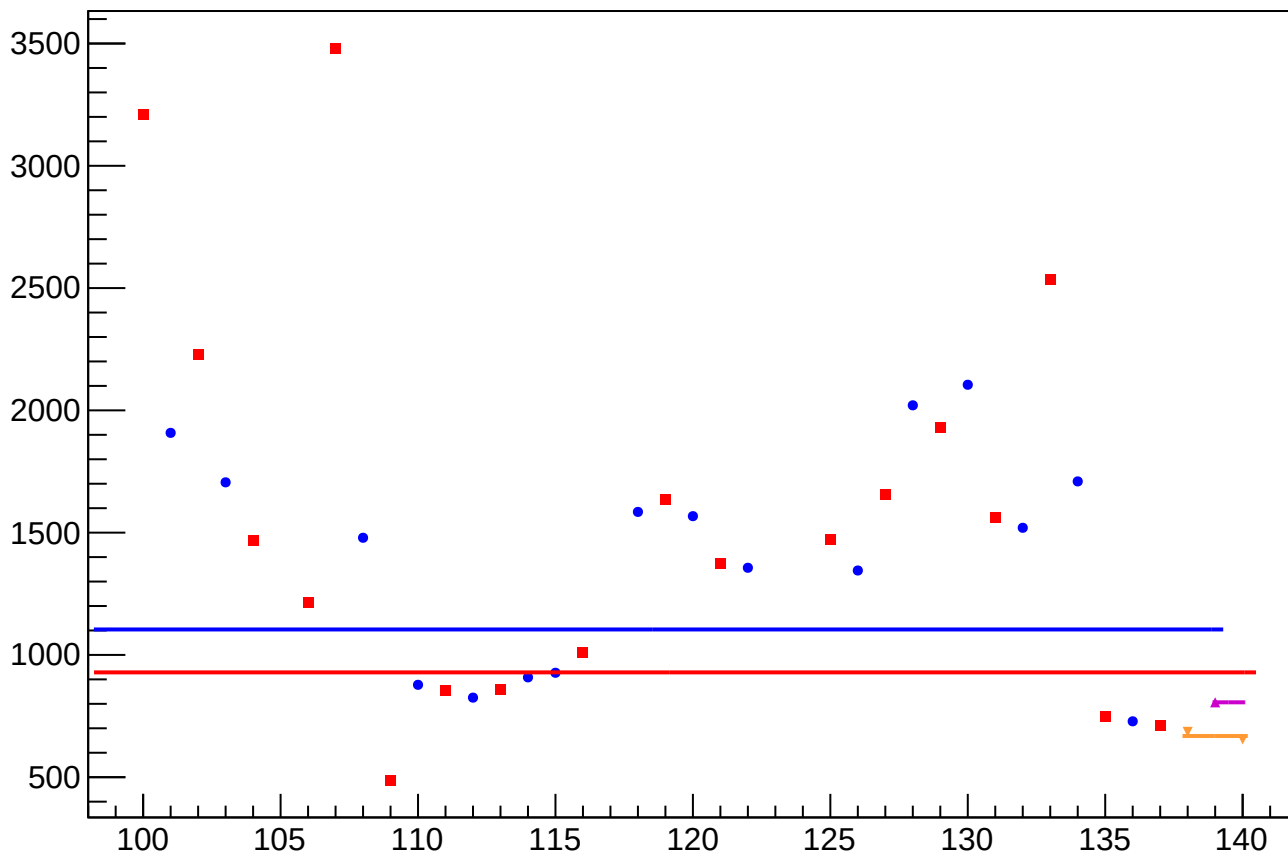
Left In: -1470.895+/-879.312 χ^2/NDF : 0.0/0

+ sign -529.765+/-339.297 χ^2/NDF : 24.4/17

All: -751.176+/-246.970 χ^2/NDF : 36.1/36

- sign -1000.672+/-360.174 χ^2/NDF : 10.9/18

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF : 1894482.2/15

Left Out: 668.461+/-0.374 χ^2/NDF : 1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

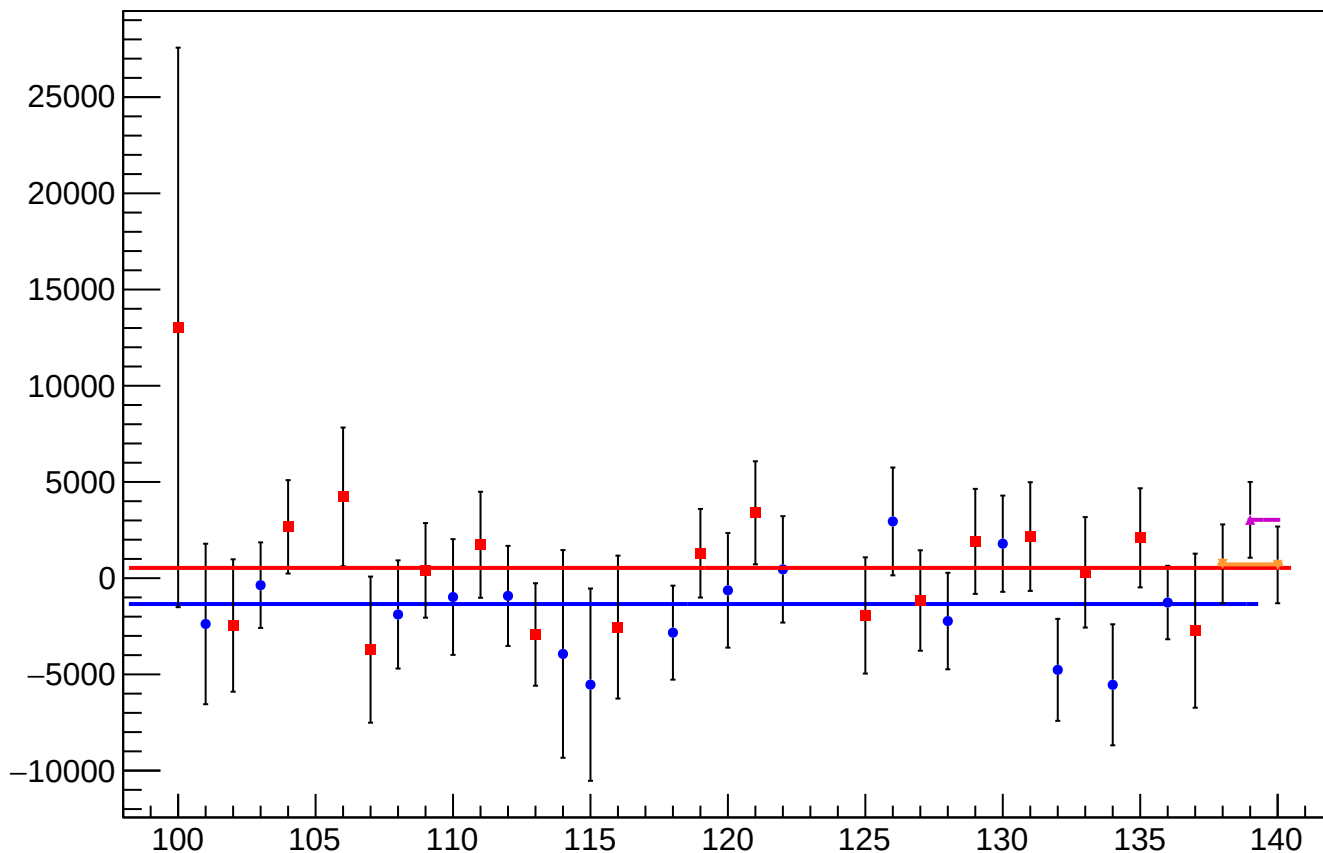
Left In: 806.223+/-0.622 χ^2/NDF : 0.0/0

+ sign 924.587+/-0.240 χ^2/NDF : 2694984.7/17

All: 916.831+/-0.175 χ^2/NDF : 5783843.1/36

- sign 908.092+/-0.255 χ^2/NDF : 3086635.8/18

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952 ± 690.940 χ^2/NDF : 9.6/15

Left Out: 716.873 ± 1428.041 χ^2/NDF : 0.0/1

Right Out: 534.194 ± 690.970 χ^2/NDF : 11.1/17

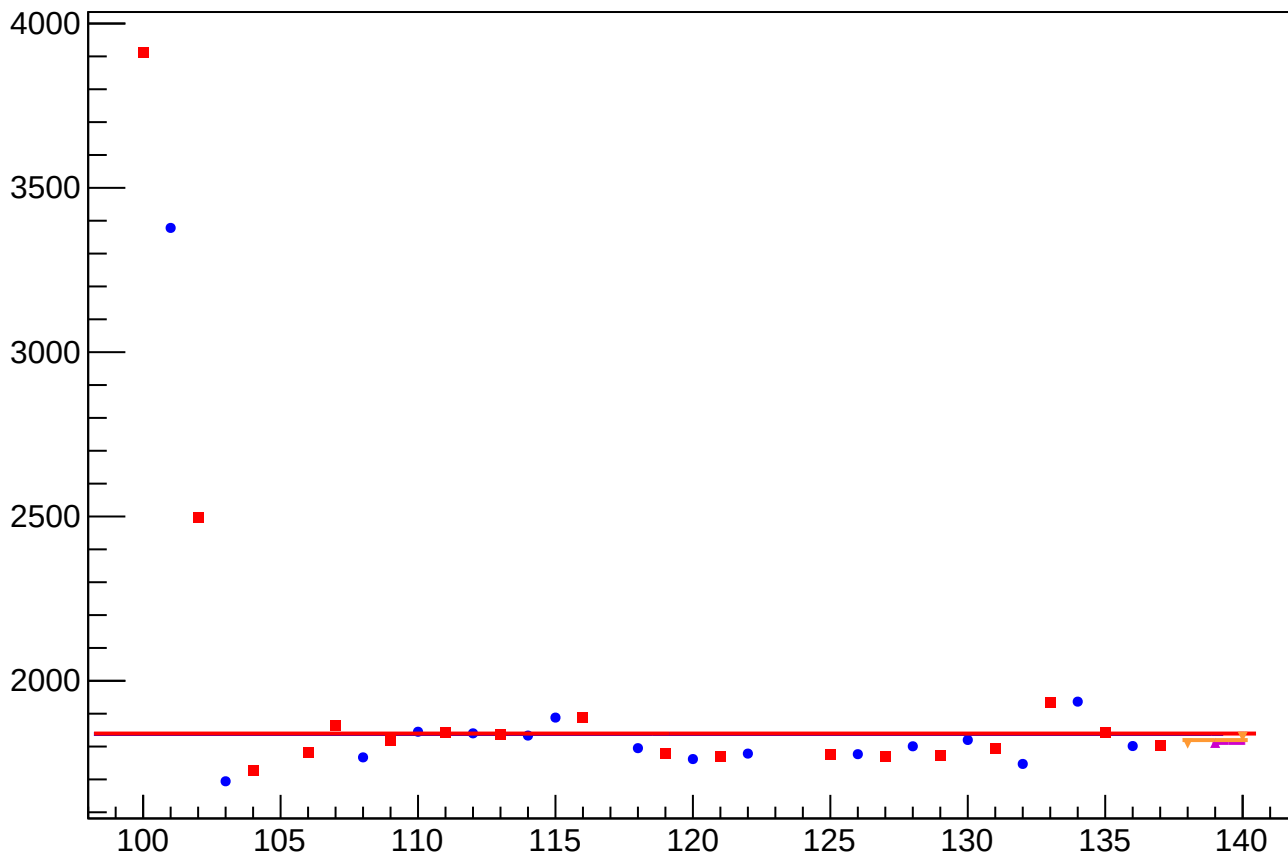
Left In: 3031.663 ± 1968.674 χ^2/NDF : 0.0/0

+ sign -953.029 ± 621.964 χ^2/NDF : 11.3/17

All: -113.928 ± 450.032 χ^2/NDF : 27.7/36

- sign 808.111 ± 651.978 χ^2/NDF : 12.5/18

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF : 291984.0/15

Left Out: 1819.662+/-1.010 χ^2/NDF : 110.0/1

Right Out: 1839.517+/-0.489 χ^2/NDF : 128253.5/17

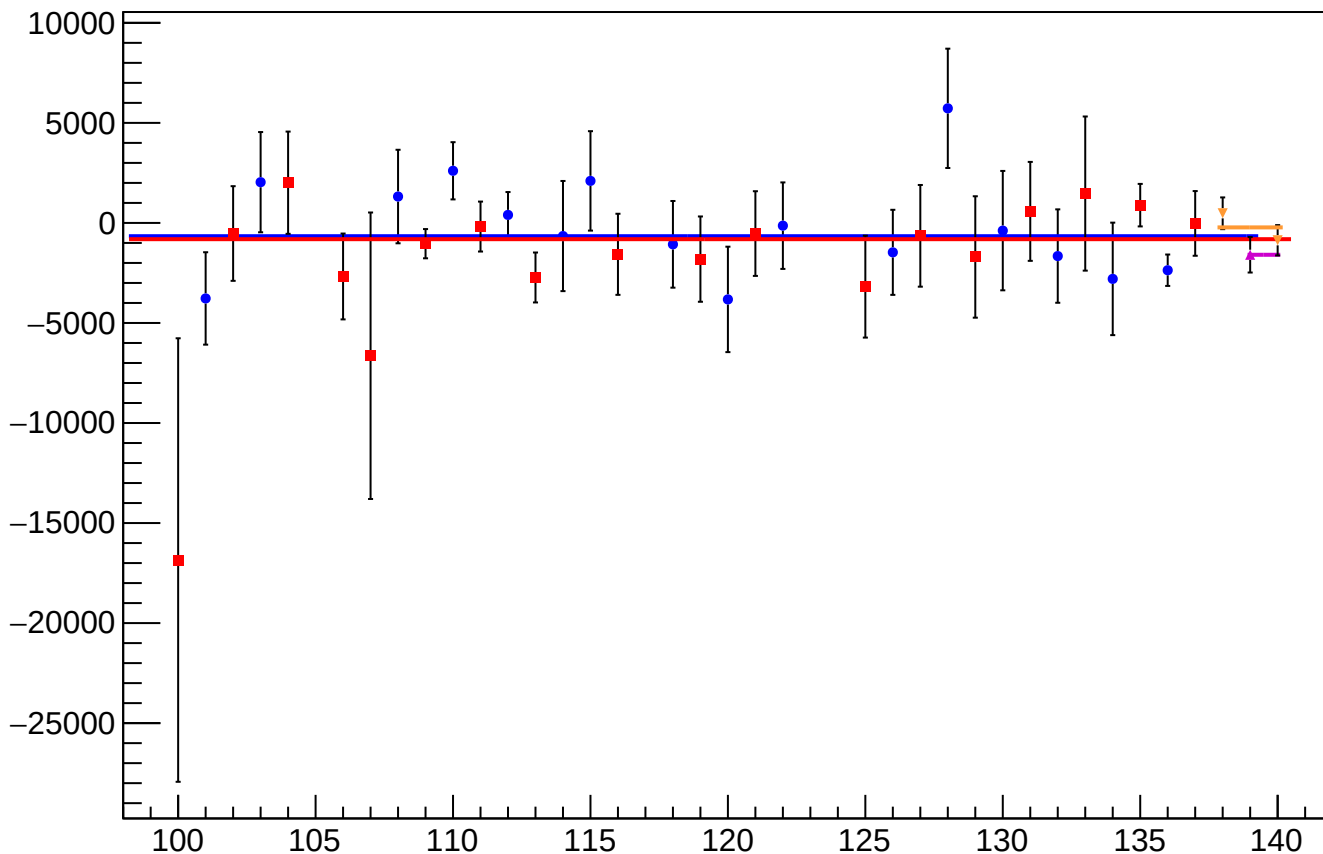
Left In: 1811.141+/-1.392 χ^2/NDF : 0.0/0

+ sign 1834.650+/-0.440 χ^2/NDF : 292365.9/17

All: 1835.486+/-0.318 χ^2/NDF : 420997.0/36

- sign 1836.405+/-0.461 χ^2/NDF : 128623.5/18

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -663.489+/-445.903 χ^2/NDF : 22.8/15

Left Out: -223.608+/-547.891 χ^2/NDF : 1.5/1

Right Out: -812.187+/-397.187 χ^2/NDF : 12.2/17

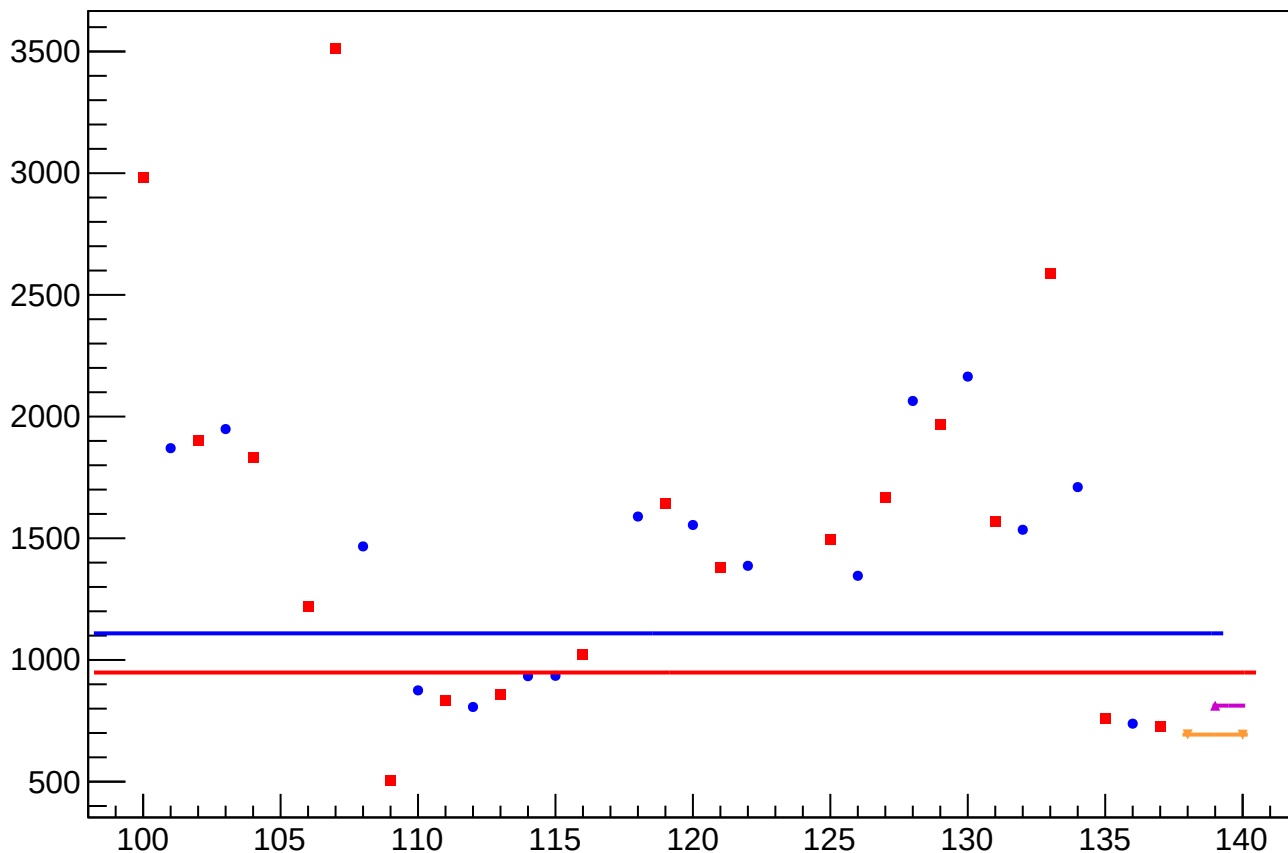
Left In: -1592.101+/-886.705 χ^2/NDF : 0.0/0

+ sign -488.221+/-345.843 χ^2/NDF : 24.7/17

All: -704.705+/-250.224 χ^2/NDF : 38.4/36

- sign -942.523+/-362.483 χ^2/NDF : 12.9/18

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362 $\pm$ 0.315 χ^2 /NDF: 1973363.9/15

Left Out: 693.434 $\pm$ 0.387 χ^2 /NDF: 2.2/1

Right Out: 948.438 $\pm$ 0.281 χ^2 /NDF: 3053670.4/17

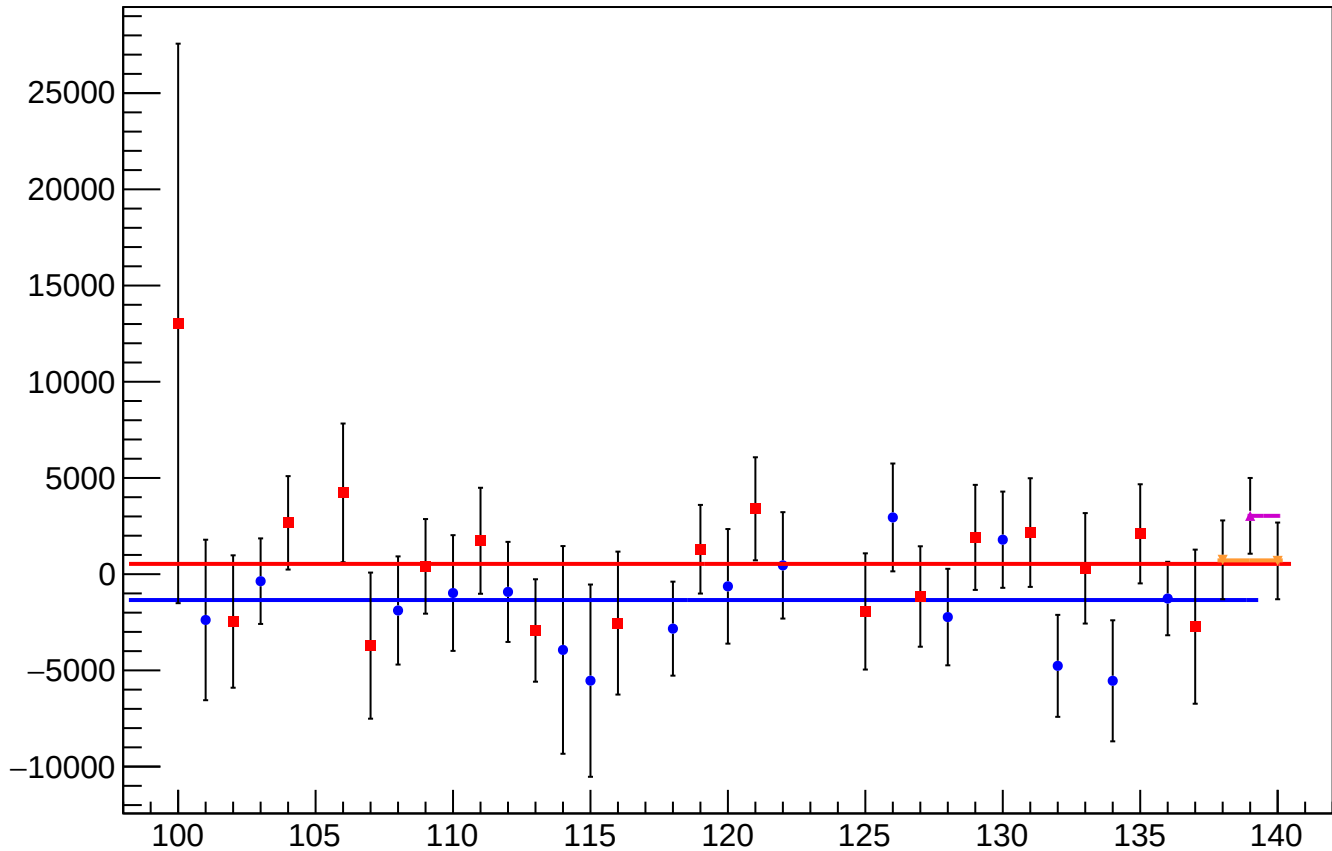
Left In: 812.376 $\pm$ 0.627 χ^2 /NDF: 0.0/0

+ sign 943.637 $\pm$ 0.245 χ^2 /NDF: 2666716.6/17

All: 935.090 $\pm$ 0.177 χ^2 /NDF: 5762172.7/36

- sign 925.700 $\pm$ 0.256 χ^2 /NDF: 3092892.4/18

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955 $\pm$ 690.940 χ^2 /NDF: 9.6/15

Left Out: 716.883 $\pm$ 1428.041 χ^2 /NDF: 0.0/1

Right Out: 534.199 $\pm$ 690.970 χ^2 /NDF: 11.1/17

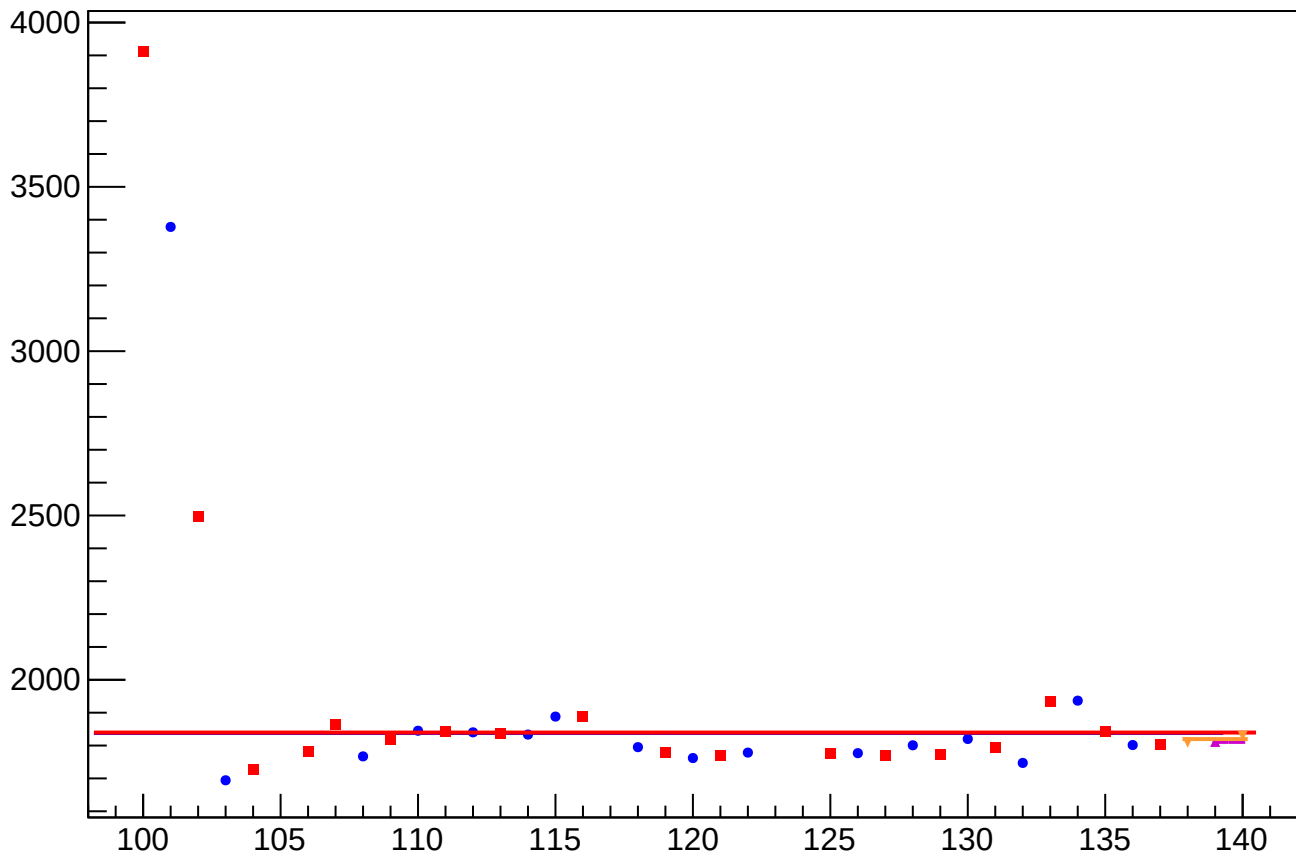
Left In: 3031.635 $\pm$ 1968.674 χ^2 /NDF: 0.0/0

+ sign -953.030 $\pm$ 621.964 χ^2 /NDF: 11.3/17

All: -113.928 $\pm$ 450.032 χ^2 /NDF: 27.7/36

- sign 808.112 $\pm$ 651.978 χ^2 /NDF: 12.5/18

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: 1819.662+/-1.010 χ^2/NDF : 110.0/1

Right Out: 1839.517+/-0.489 χ^2/NDF : 128253.6/17

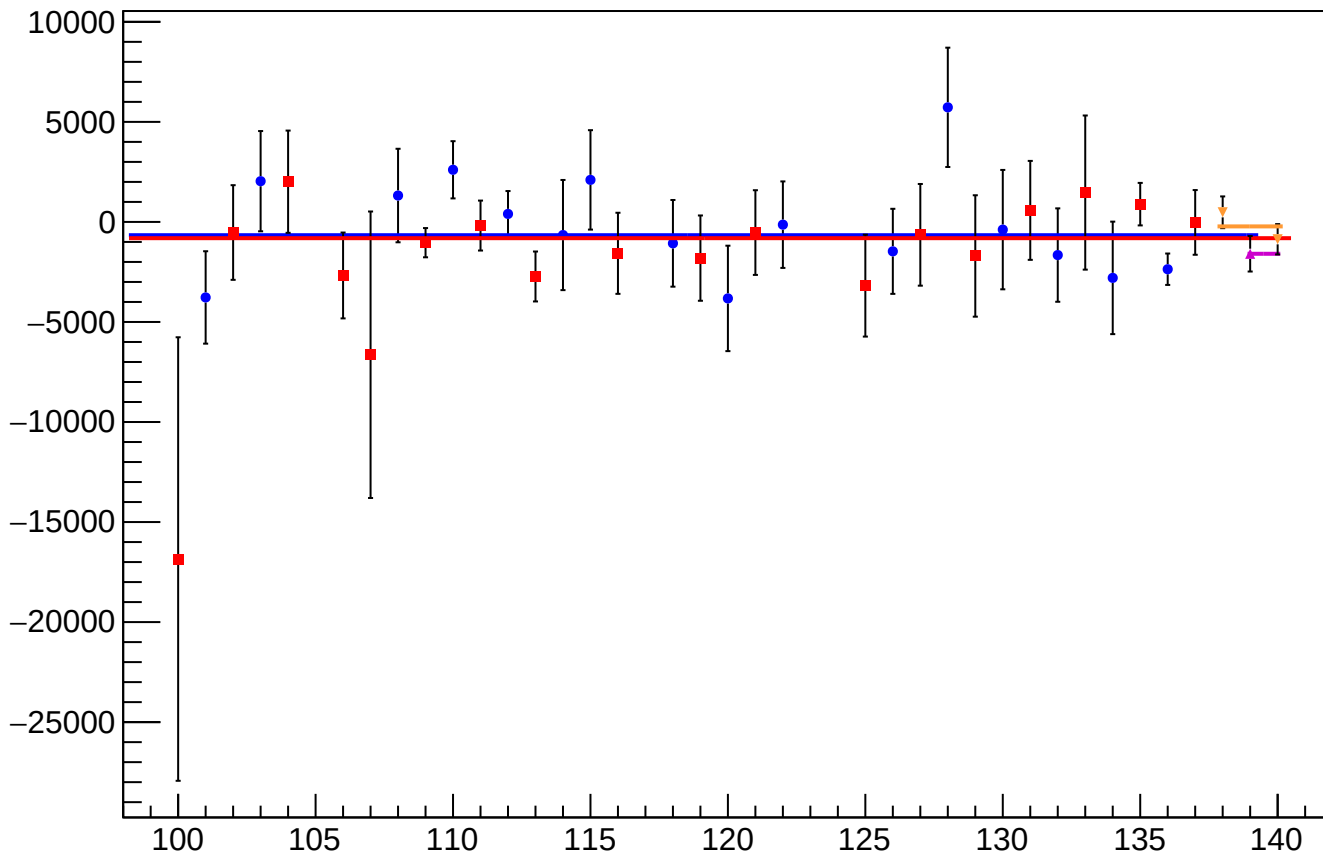
Left In: 1811.141+/-1.392 χ^2/NDF : 0.0/0

+ sign 1834.650+/-0.440 χ^2/NDF : 292365.9/17

All: 1835.486+/-0.318 χ^2/NDF : 420997.0/36

- sign 1836.405+/-0.461 χ^2/NDF : 128623.5/18

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -663.476+/-445.904 χ^2/NDF : 22.8/15

Left Out: -223.615+/-547.898 χ^2/NDF : 1.5/1

Right Out: -812.194+/-397.187 χ^2/NDF : 12.2/17

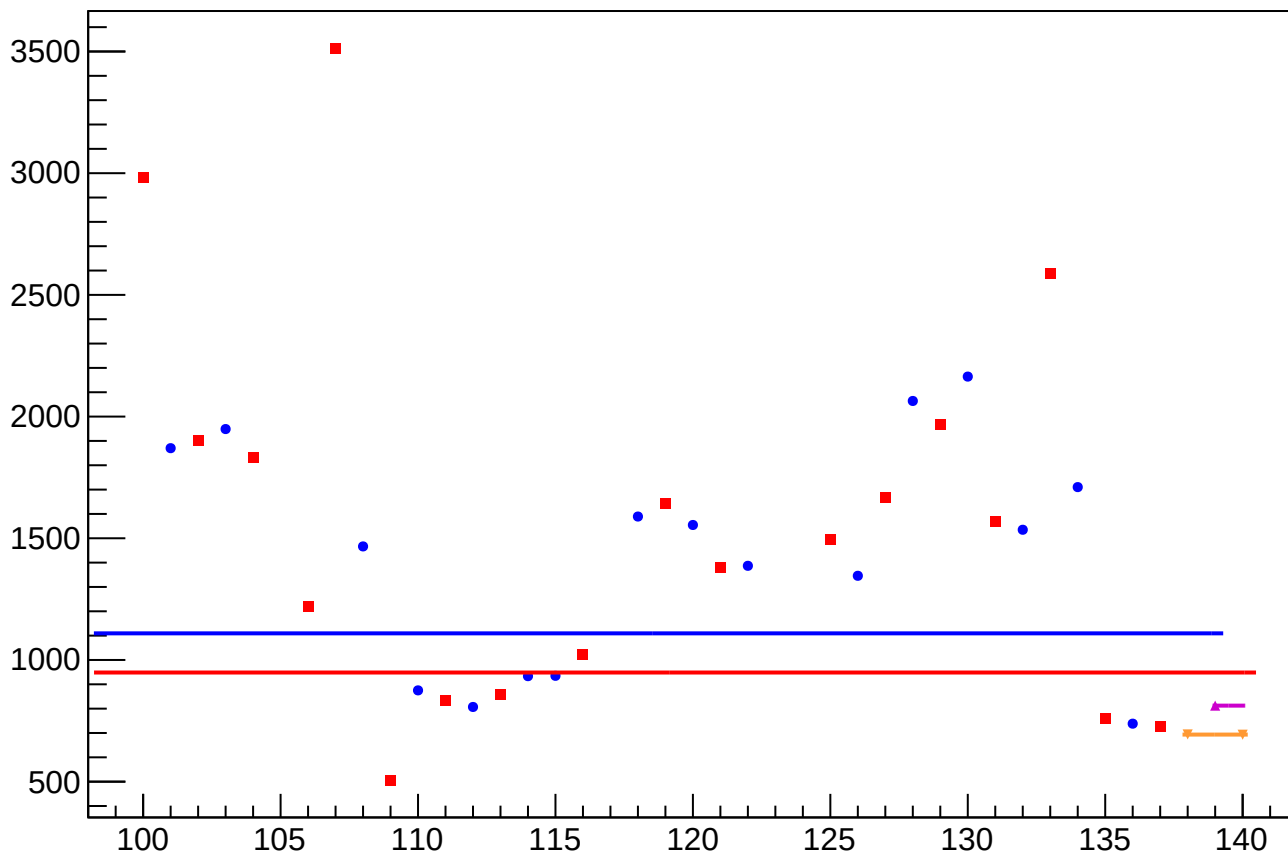
Left In: -1592.125+/-886.724 χ^2/NDF : 0.0/0

+ sign -488.218+/-345.845 χ^2/NDF : 24.7/17

All: -704.706+/-250.225 χ^2/NDF : 38.4/36

- sign -942.528+/-362.484 χ^2/NDF : 12.9/18

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1109.365 $\pm$ 0.315 χ^2 /NDF: 1973324.5/15

Left Out: 693.443 $\pm$ 0.387 χ^2 /NDF: 2.3/1

Right Out: 948.441 $\pm$ 0.281 χ^2 /NDF: 3053644.5/17

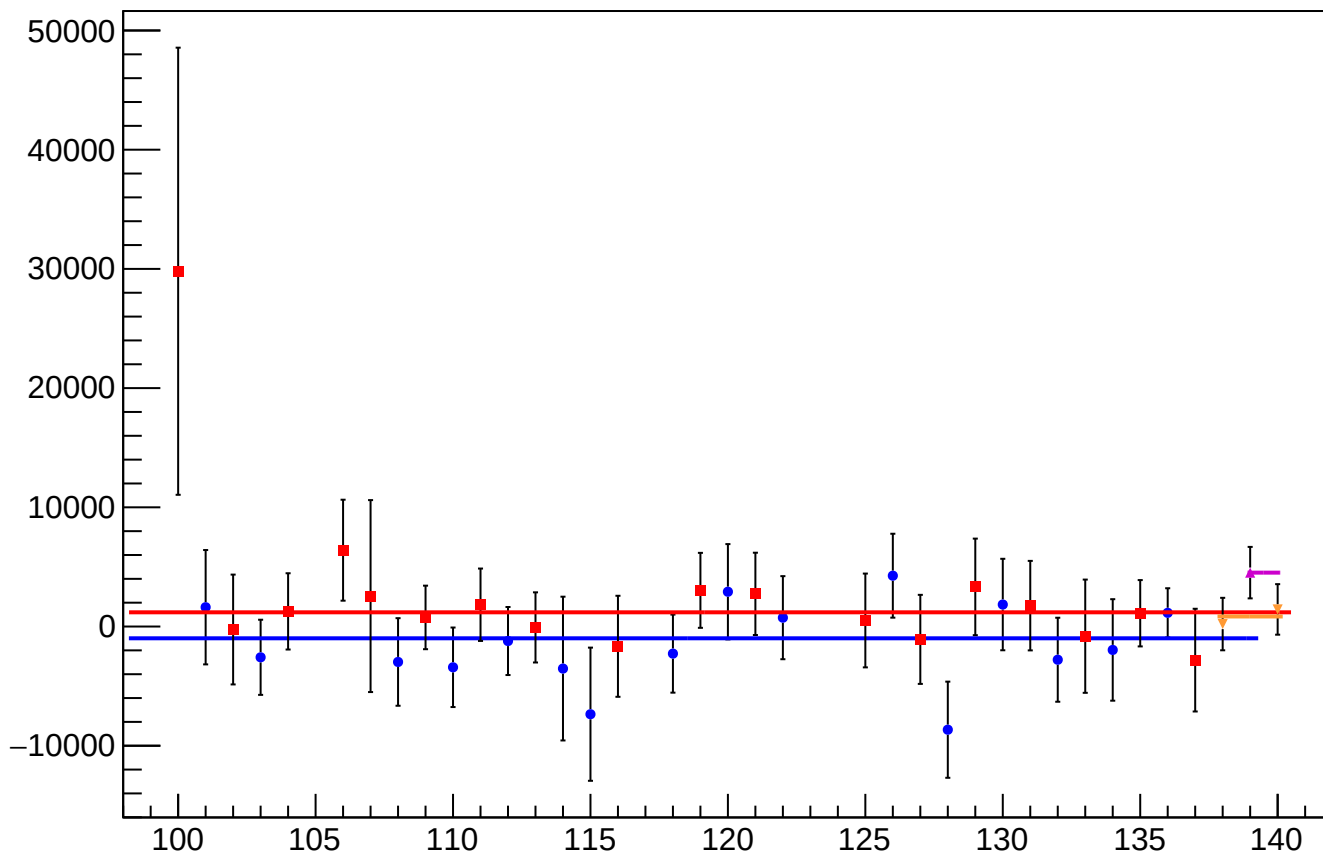
Left In: 812.394 $\pm$ 0.627 χ^2 /NDF: 0.0/0

+ sign 943.645 $\pm$ 0.245 χ^2 /NDF: 2666644.0/17

All: 935.097 $\pm$ 0.177 χ^2 /NDF: 5762064.5/36

- sign 925.706 $\pm$ 0.256 χ^2 /NDF: 3092856.3/18

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532 ± 873.840 χ^2/NDF : 12.0/15

Left Out: 843.899 ± 1526.761 χ^2/NDF : 0.2/1

Right Out: 1192.173 ± 870.432 χ^2/NDF : 7.0/17

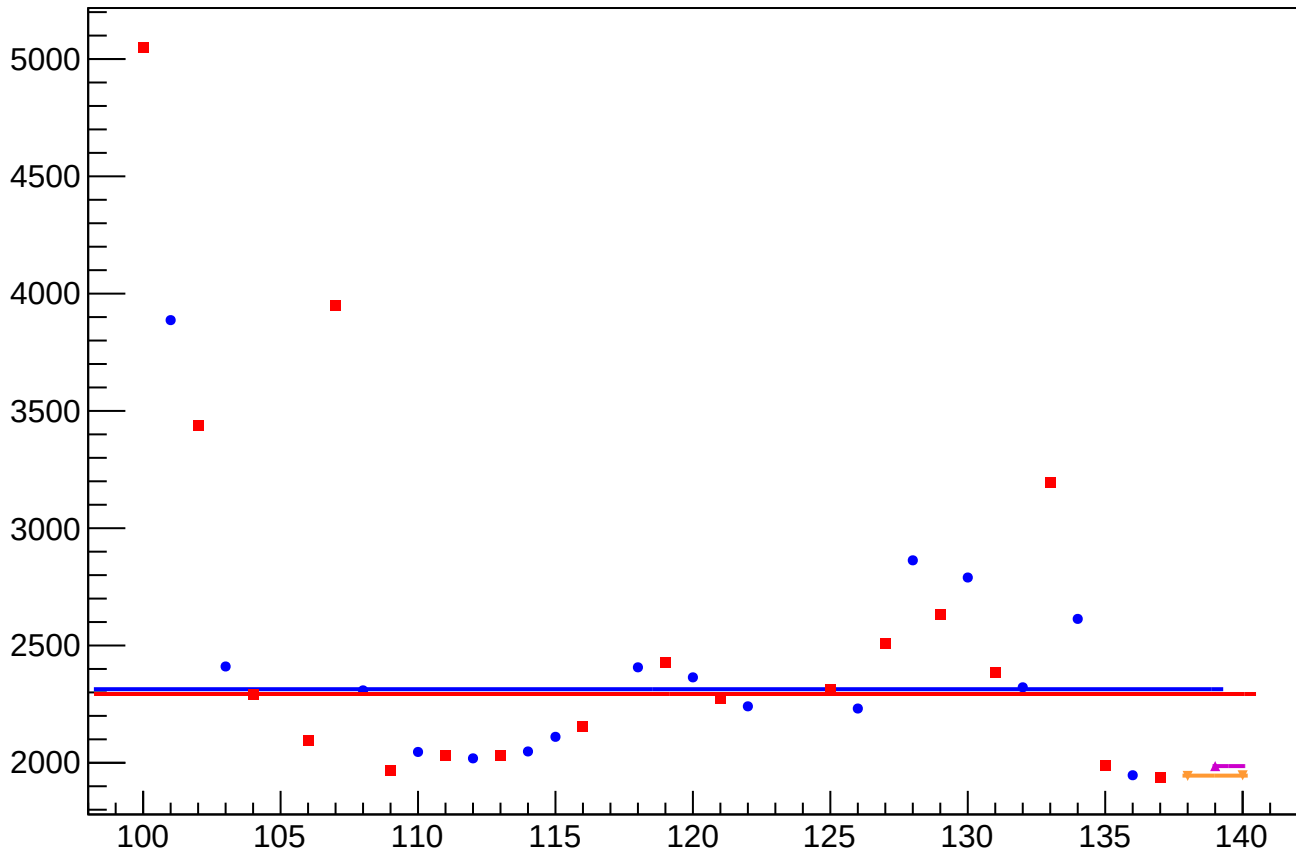
Left In: 4520.470 ± 2158.952 χ^2/NDF : 0.0/0

+ sign -535.624 ± 758.405 χ^2/NDF : 13.2/17

All: 492.548 ± 552.748 χ^2/NDF : 26.2/36

- sign 1657.539 ± 807.290 χ^2/NDF : 9.0/18

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF : 402756.6/15

Left Out: 1945.321+/-1.080 χ^2/NDF : 1.5/1

Right Out: 2293.273+/-0.615 χ^2/NDF : 453202.3/17

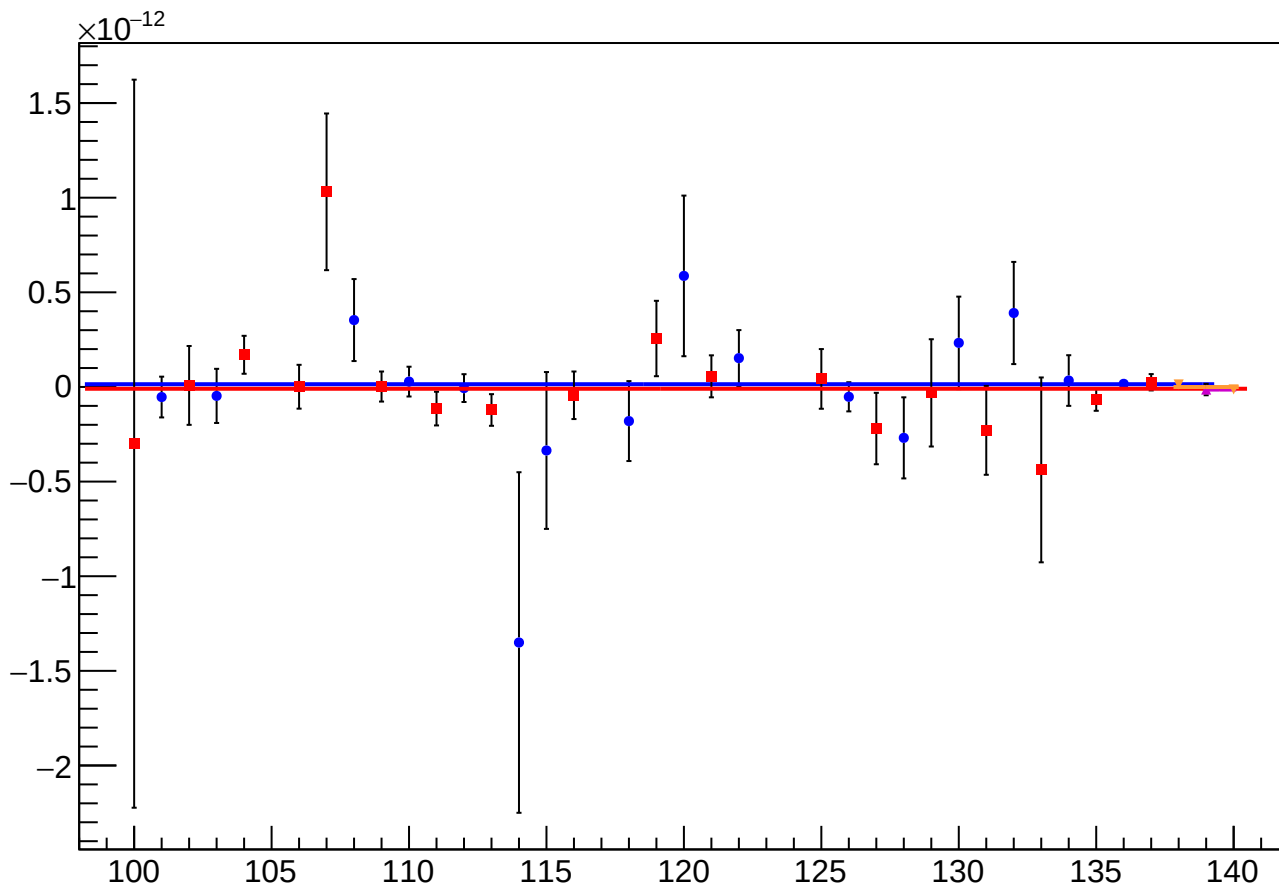
Left In: 1985.959+/-1.527 χ^2/NDF : 0.0/0

+ sign 2222.833+/-0.536 χ^2/NDF : 490481.0/17

All: 2235.712+/-0.391 χ^2/NDF : 979771.3/36

- sign 2250.305+/-0.571 χ^2/NDF : 488060.1/18

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/17

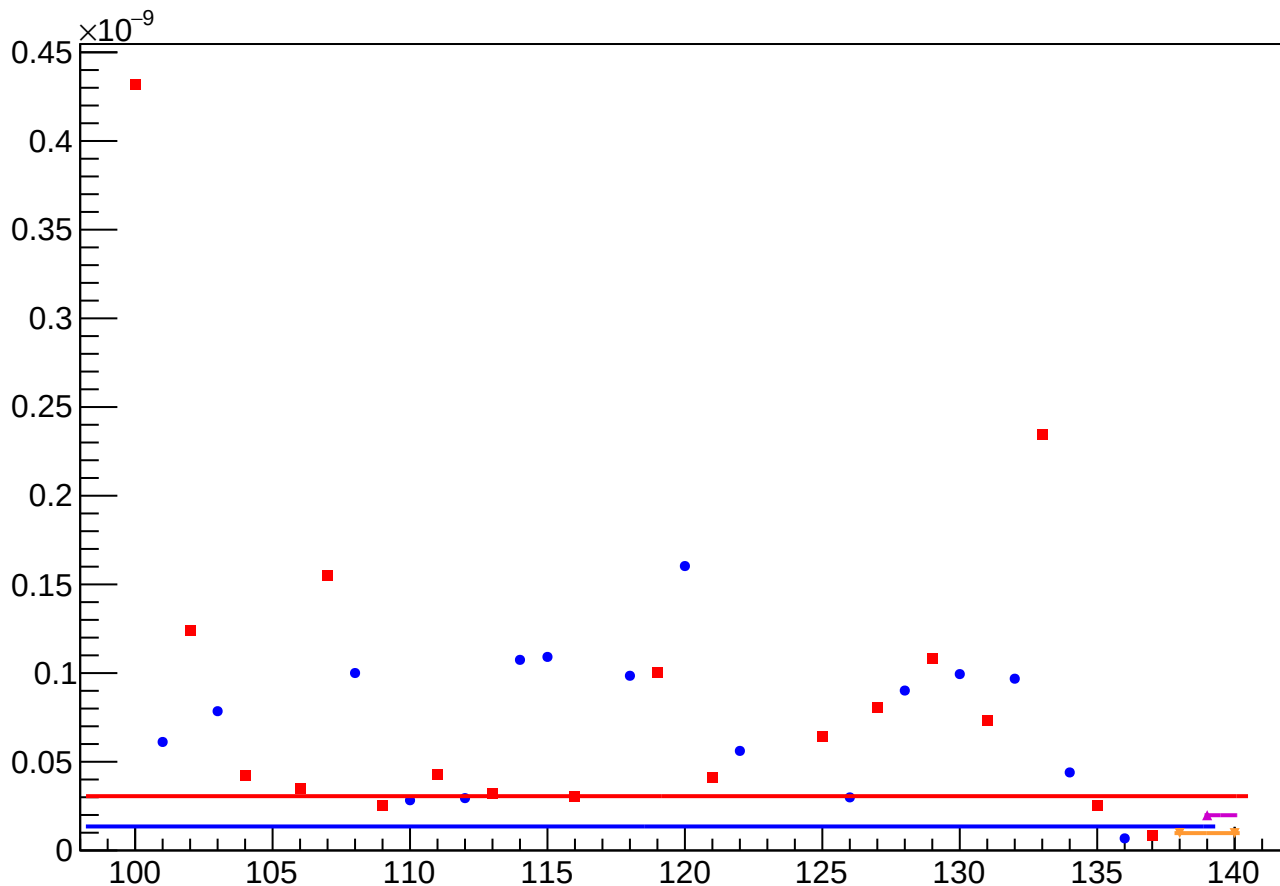
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/36

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/18

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3416094.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2349183.7/17

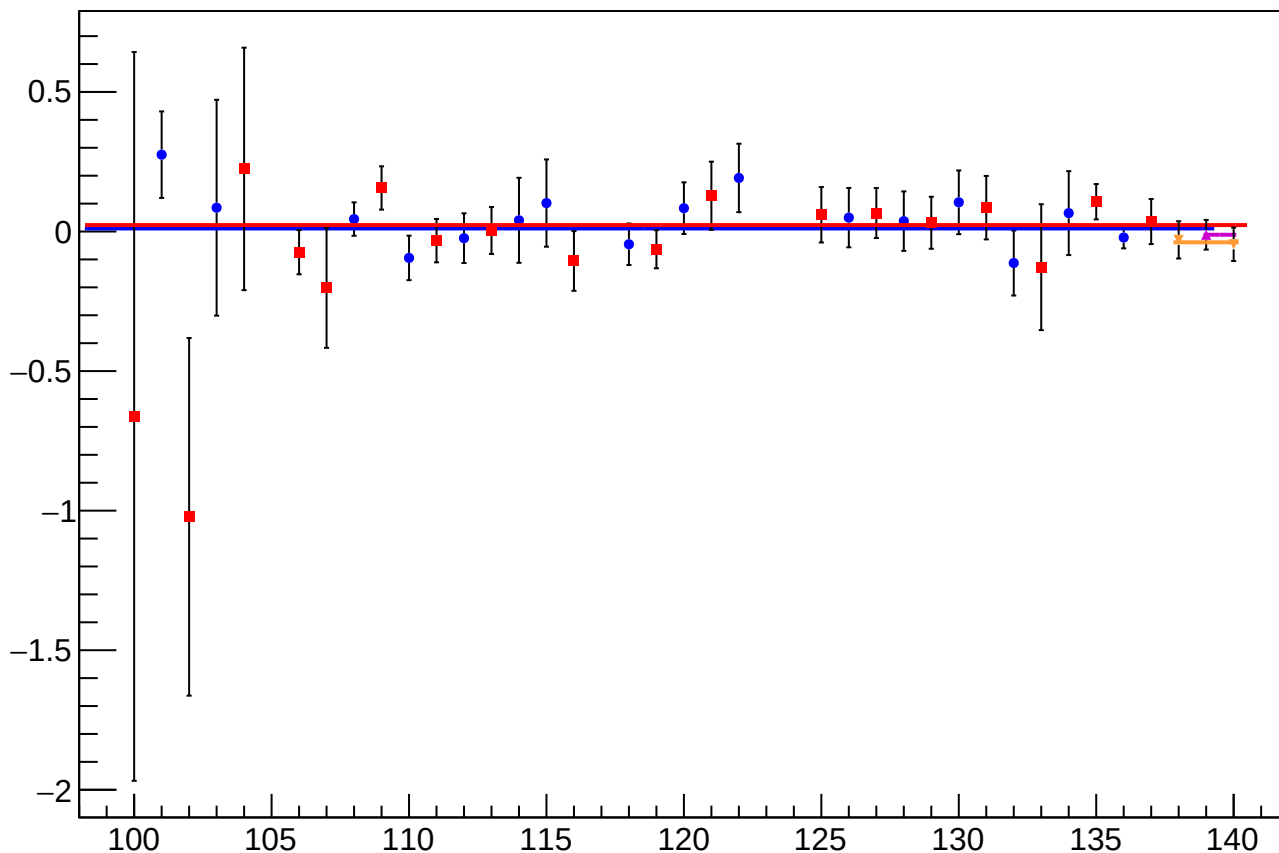
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3493934.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7001720.9/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2504848.7/18

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.039 $\pm$ 0.045 χ^2 /NDF: 0.0/1

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

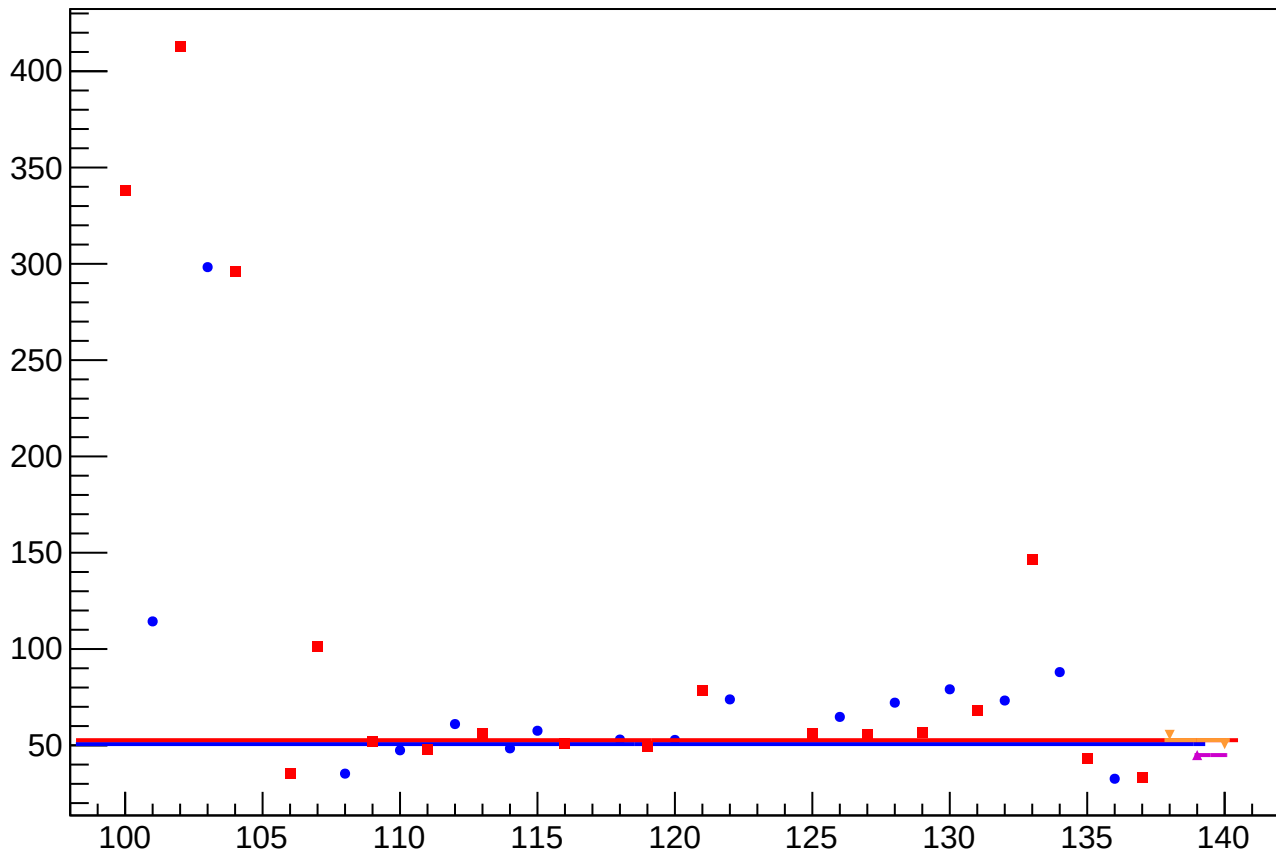
Left In: -0.012 $\pm$ 0.053 χ^2 /NDF: 0.0/0

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.009 $\pm$ 0.014 χ^2 /NDF: 29.4/36

- sign 0.018 $\pm$ 0.021 χ^2 /NDF: 16.3/18

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645 $\pm$ 0.015 χ^2 /NDF: 2266445.6/15

Left Out: 52.743 $\pm$ 0.032 χ^2 /NDF: 5831.7/1

Right Out: 52.666 $\pm$ 0.016 χ^2 /NDF: 2211938.1/17

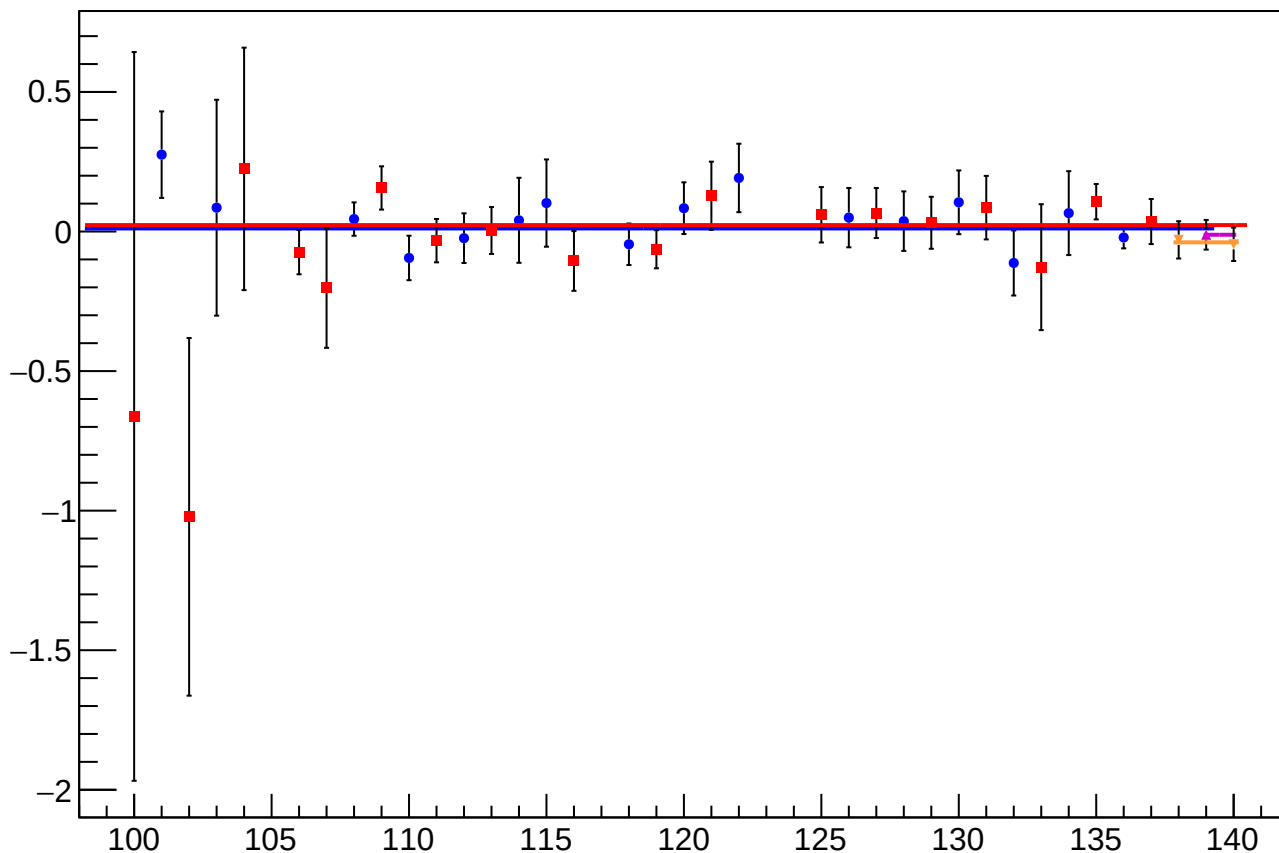
Left In: 44.937 $\pm$ 0.038 χ^2 /NDF: 0.0/0

+ sign 51.052 $\pm$ 0.014 χ^2 /NDF: 2275845.2/17

All: 51.230 $\pm$ 0.010 χ^2 /NDF: 4523716.3/36

- sign 51.437 $\pm$ 0.015 χ^2 /NDF: 2247517.0/18

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.039 $\pm$ 0.045 χ^2 /NDF: 0.0/1

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

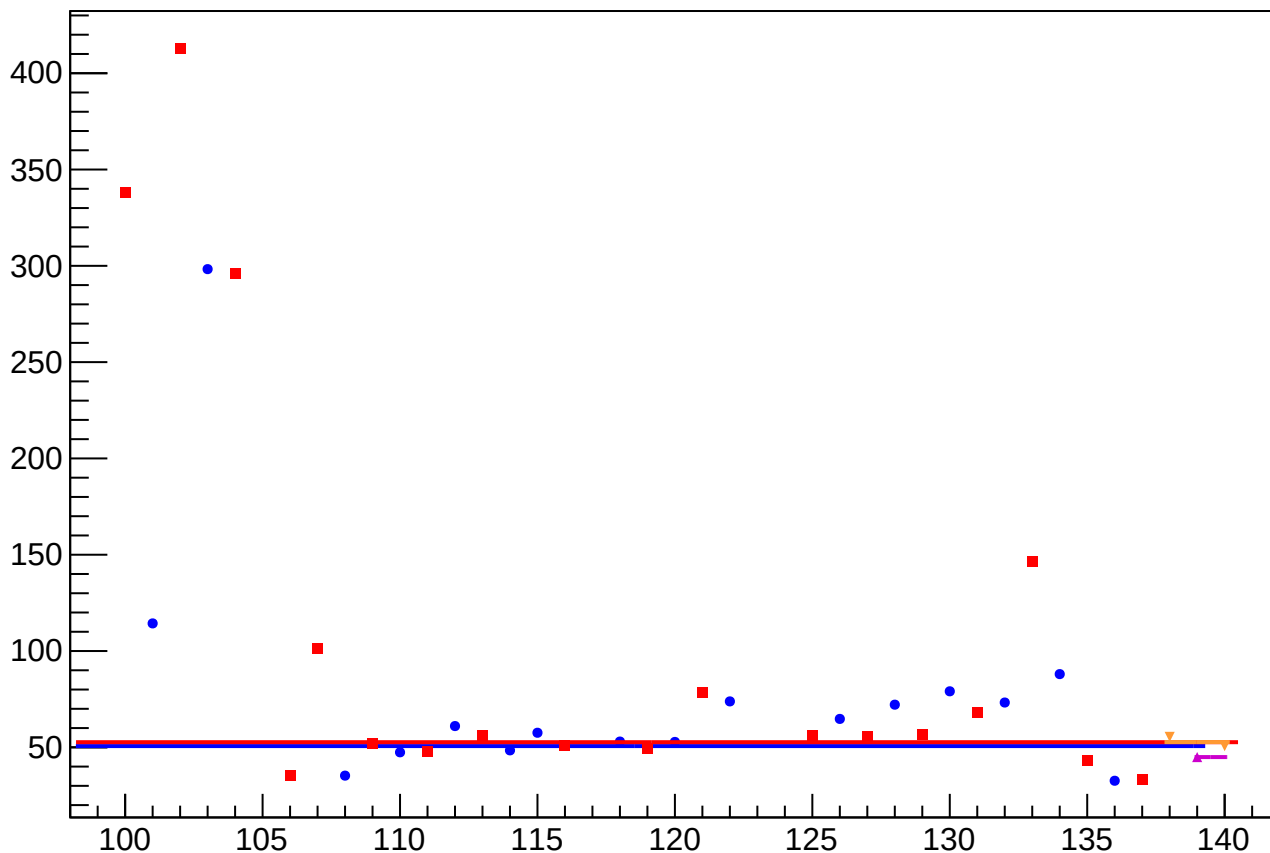
Left In: -0.012 $\pm$ 0.053 χ^2 /NDF: 0.0/0

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.009 $\pm$ 0.014 χ^2 /NDF: 29.4/36

- sign 0.018 $\pm$ 0.021 χ^2 /NDF: 16.3/18

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.645 $\pm$ 0.015 χ^2 /NDF: 2266445.6/15

Left Out: 52.743 $\pm$ 0.032 χ^2 /NDF: 5831.7/1

Right Out: 52.666 $\pm$ 0.016 χ^2 /NDF: 2211938.1/17

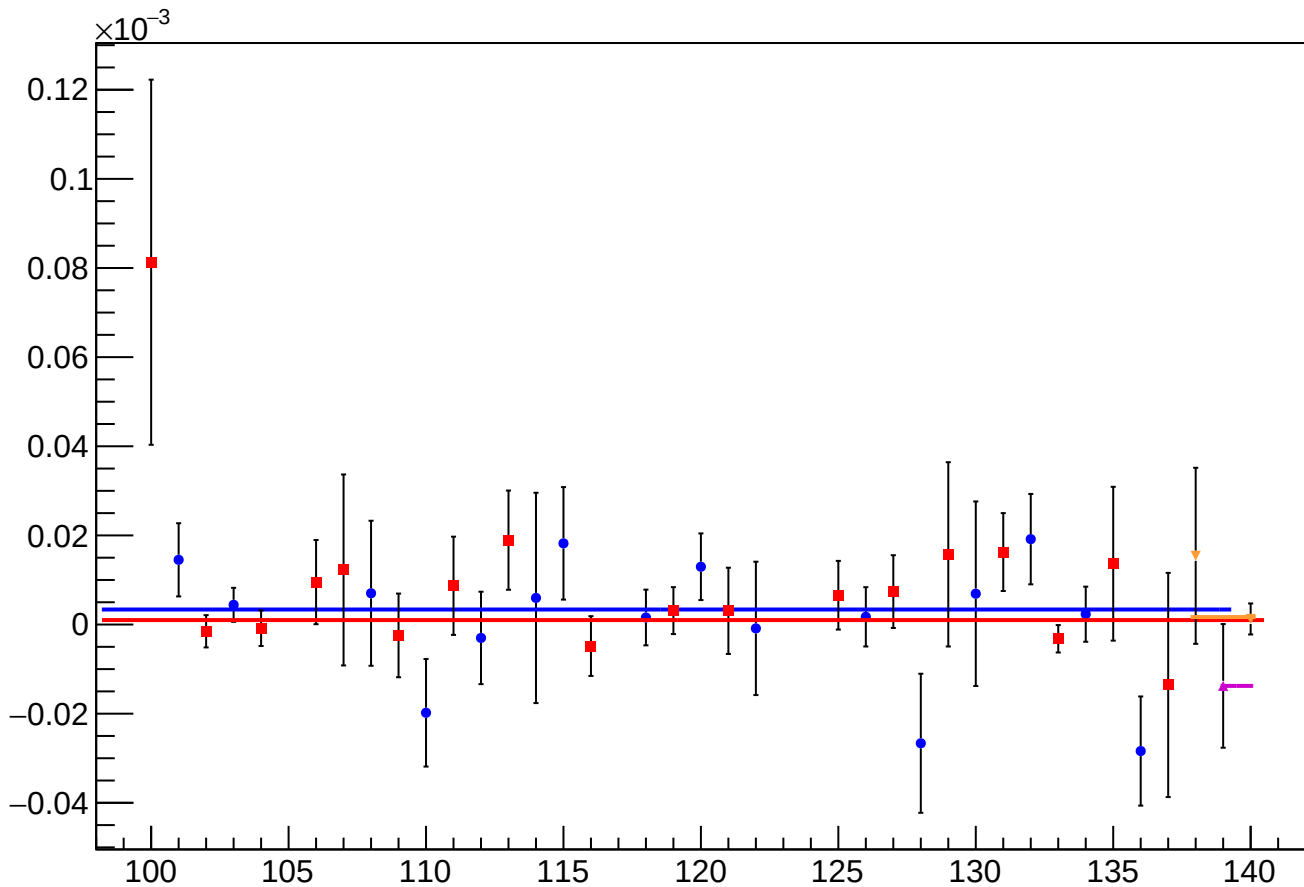
Left In: 44.937 $\pm$ 0.038 χ^2 /NDF: 0.0/0

+ sign 51.052 $\pm$ 0.014 χ^2 /NDF: 2275845.2/17

All: 51.230 $\pm$ 0.010 χ^2 /NDF: 4523716.3/36

- sign 51.437 $\pm$ 0.015 χ^2 /NDF: 2247517.0/18

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

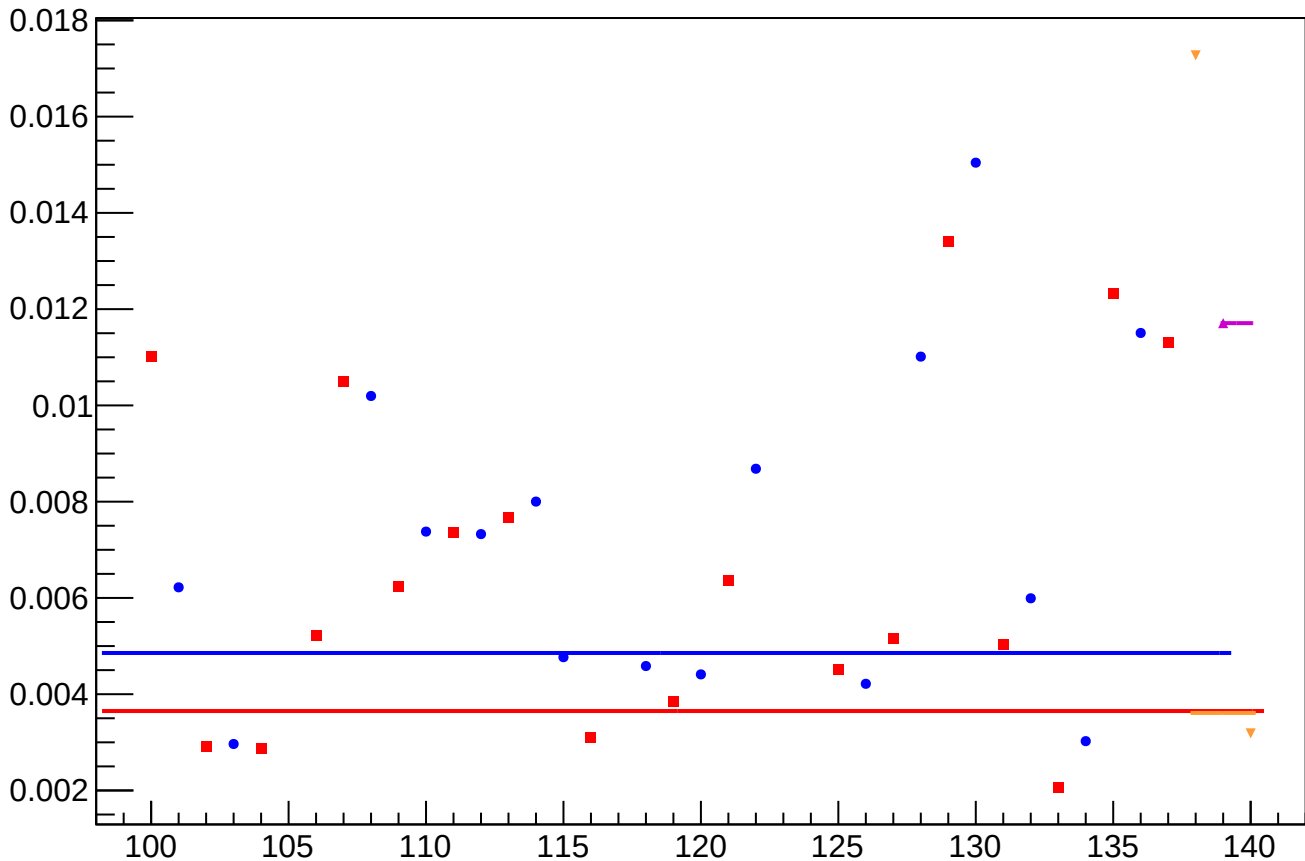
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF :986758.9/1

Right Out: 0.004+/-0.000 χ^2/NDF : 3108848.8/17

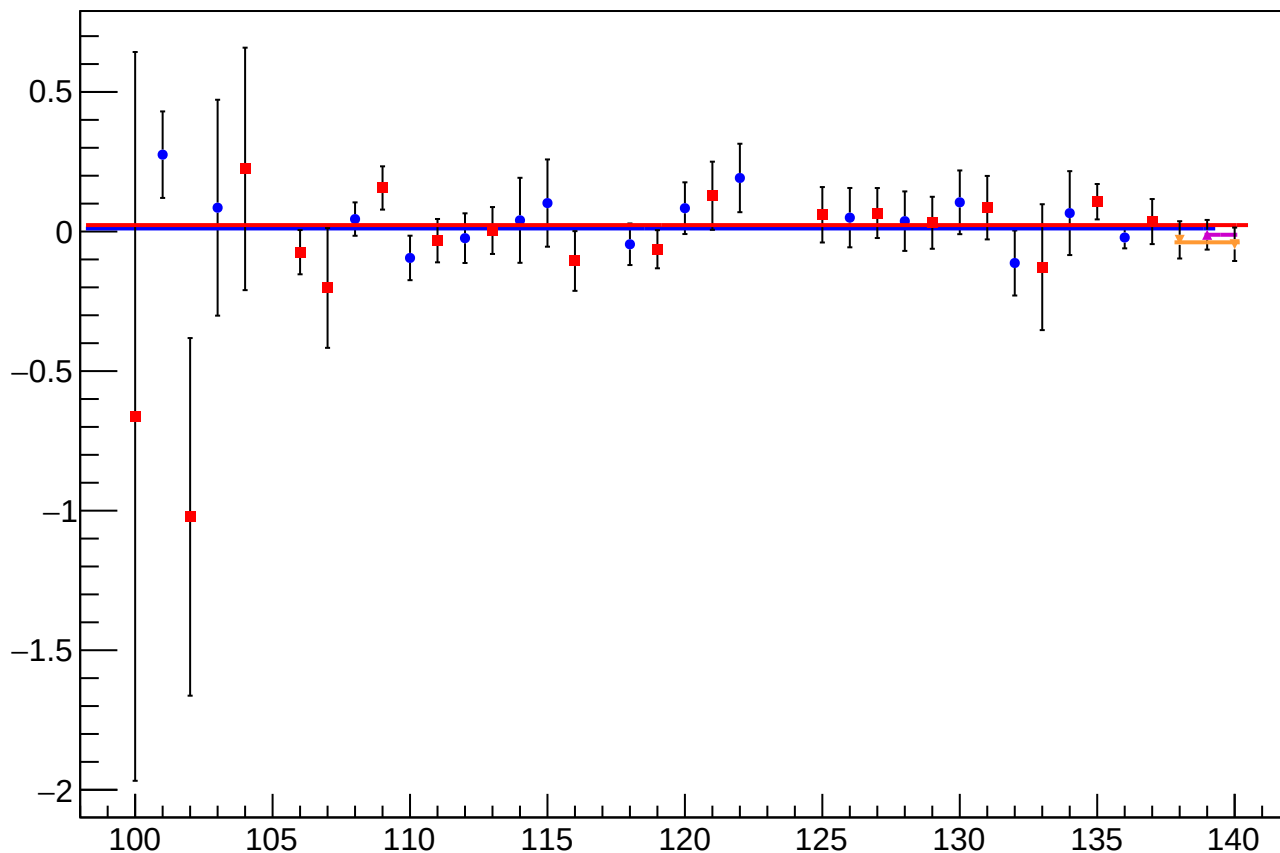
Left In: 0.012+/-0.000 χ^2/NDF :0.0/0

+ sign 0.005+/-0.000 χ^2/NDF : 3924671.1/17

All: 0.004+/-0.000 χ^2/NDF : 7911707.6/36

- sign 0.004+/-0.000 χ^2/NDF : 3775000.7/18

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.039 $\pm$ 0.045 χ^2 /NDF: 0.0/1

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 15.9/17

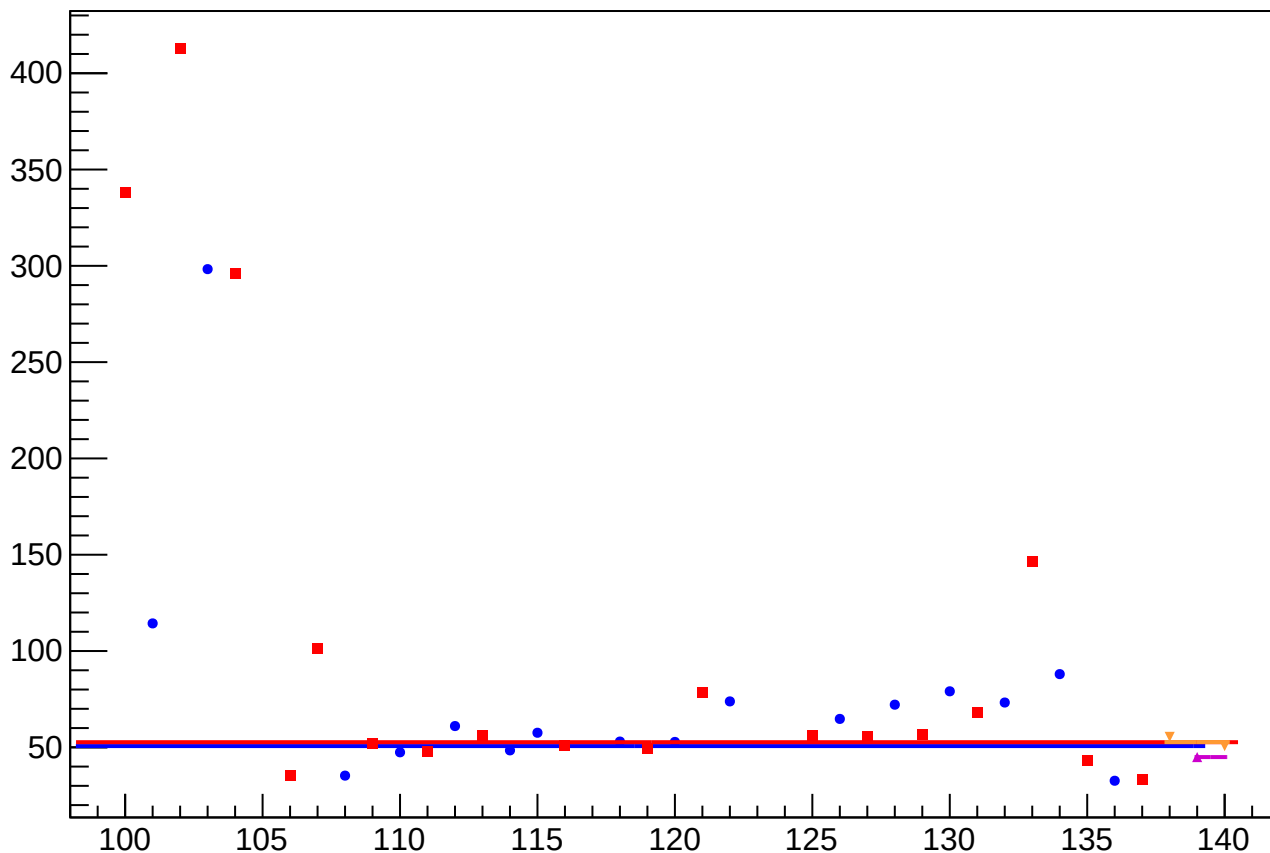
Left In: -0.012 $\pm$ 0.053 χ^2 /NDF: 0.0/0

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.009 $\pm$ 0.014 χ^2 /NDF: 29.4/36

- sign 0.018 $\pm$ 0.021 χ^2 /NDF: 16.3/18

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.646 $\pm$ 0.015 χ^2 /NDF: 2266348.3/15

Left Out: 52.744 $\pm$ 0.032 χ^2 /NDF: 5833.7/1

Right Out: 52.667 $\pm$ 0.016 χ^2 /NDF: 2211822.2/17

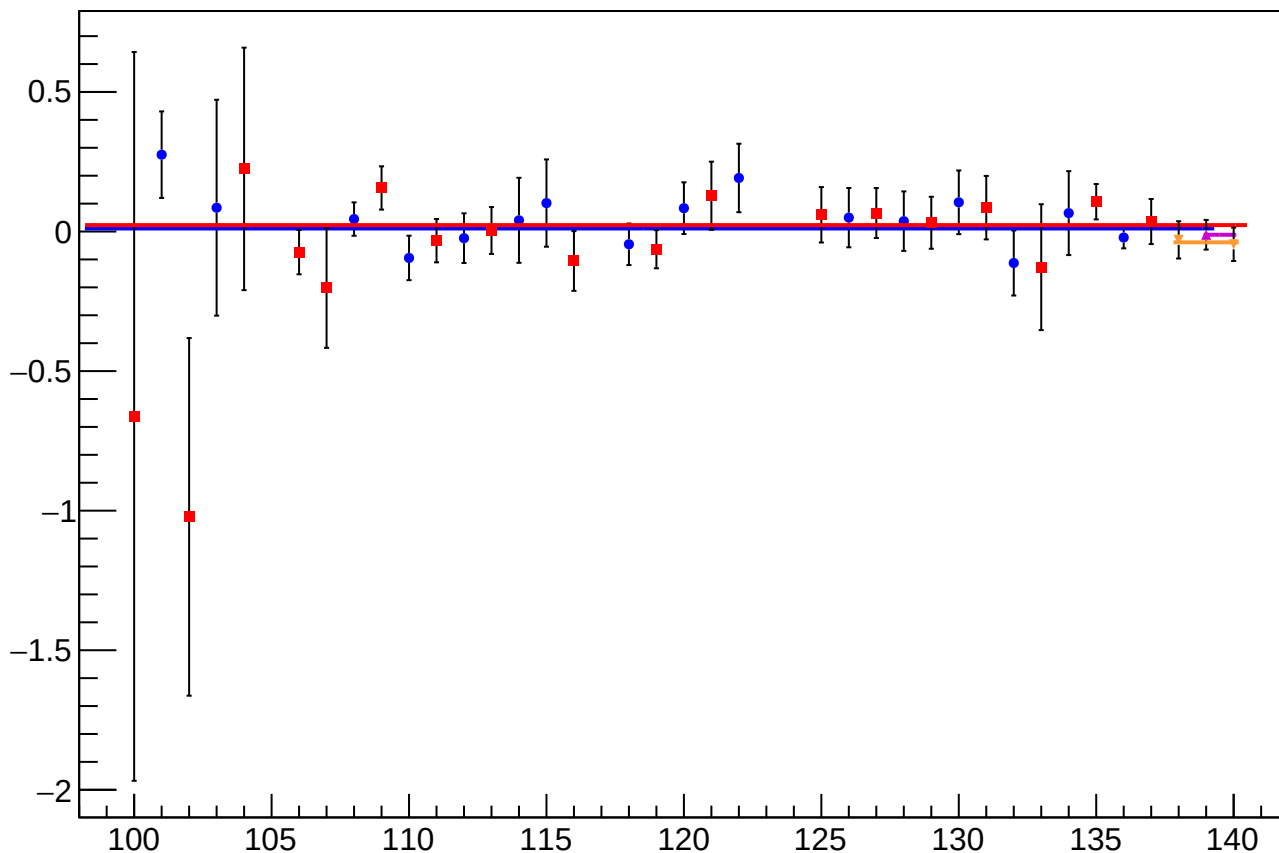
Left In: 44.939 $\pm$ 0.038 χ^2 /NDF: 0.0/0

+ sign 51.053 $\pm$ 0.014 χ^2 /NDF: 2275752.8/17

All: 51.231 $\pm$ 0.010 χ^2 /NDF: 4523494.3/36

- sign 51.438 $\pm$ 0.015 χ^2 /NDF: 2247386.5/18

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.039 $\pm$ 0.045 χ^2 /NDF: 0.0/1

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 15.9/17

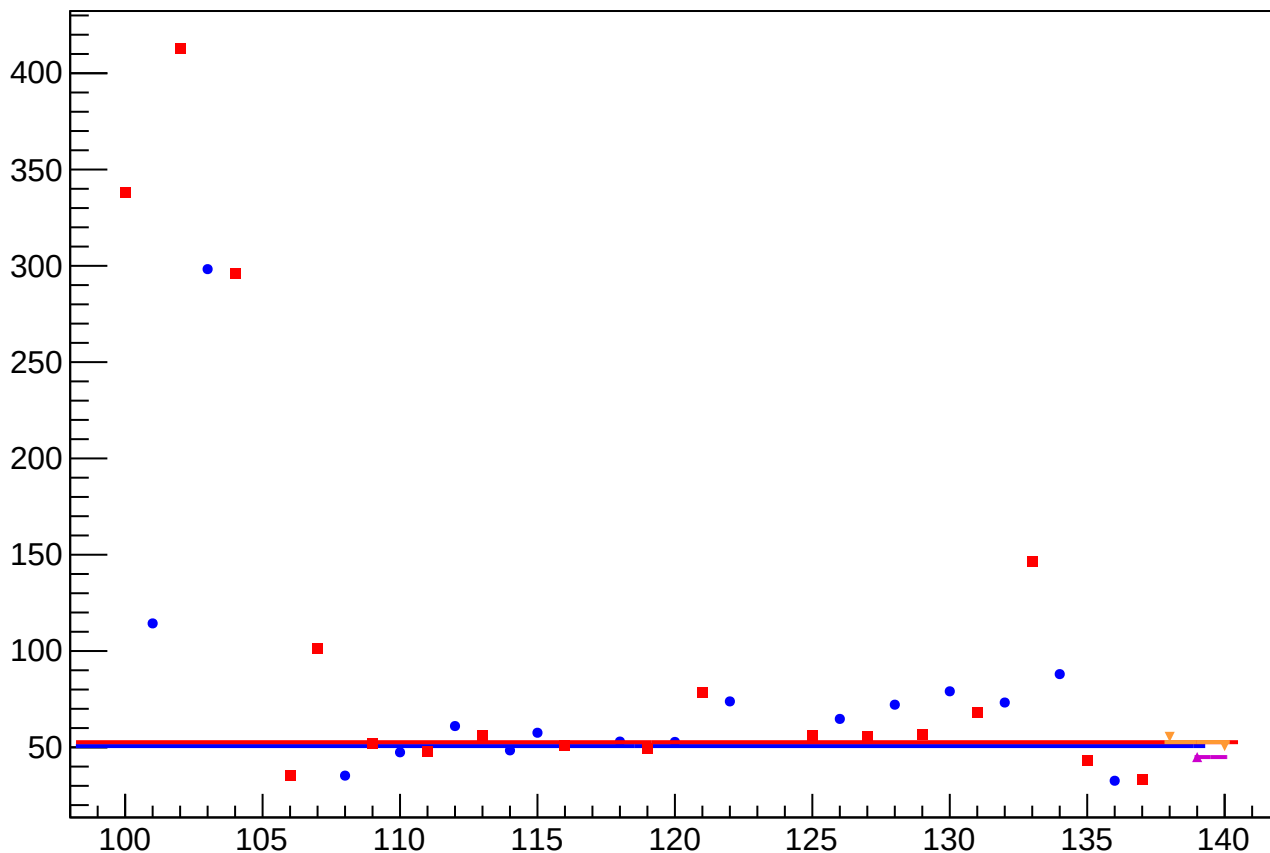
Left In: -0.012 $\pm$ 0.053 χ^2 /NDF: 0.0/0

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.009 $\pm$ 0.014 χ^2 /NDF: 29.4/36

- sign 0.018 $\pm$ 0.021 χ^2 /NDF: 16.3/18

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.646+/-0.015 χ^2/NDF : 2266348.3/15

Left Out: 52.744+/-0.032 χ^2/NDF : 5833.7/1

Right Out: 52.667+/-0.016 χ^2/NDF : 2211822.2/17

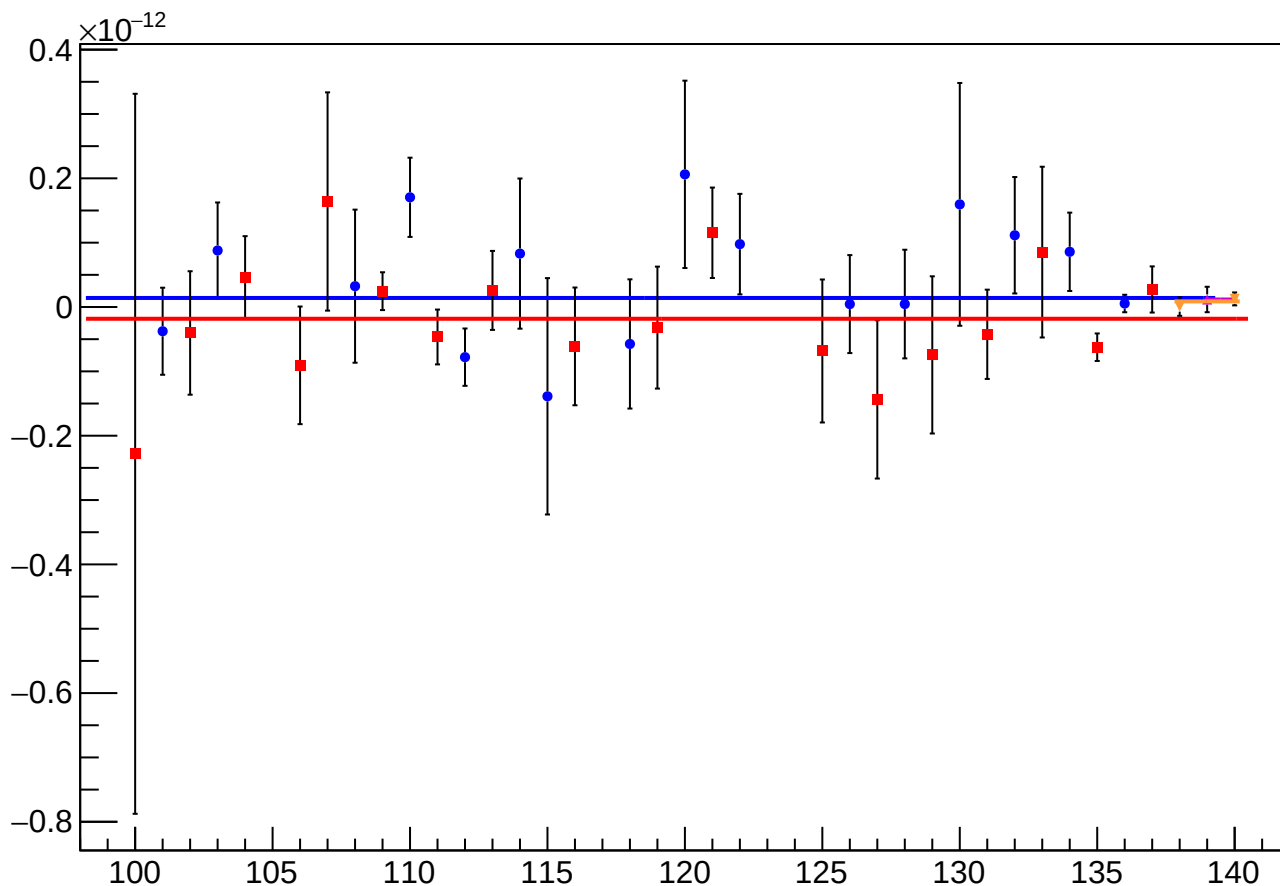
Left In: 44.939+/-0.038 χ^2/NDF : 0.0/0

+ sign 51.053+/-0.014 χ^2/NDF : 2275752.8/17

All: 51.231+/-0.010 χ^2/NDF : 4523494.3/36

- sign 51.438+/-0.015 χ^2/NDF : 2247386.5/18

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 20.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.0/17

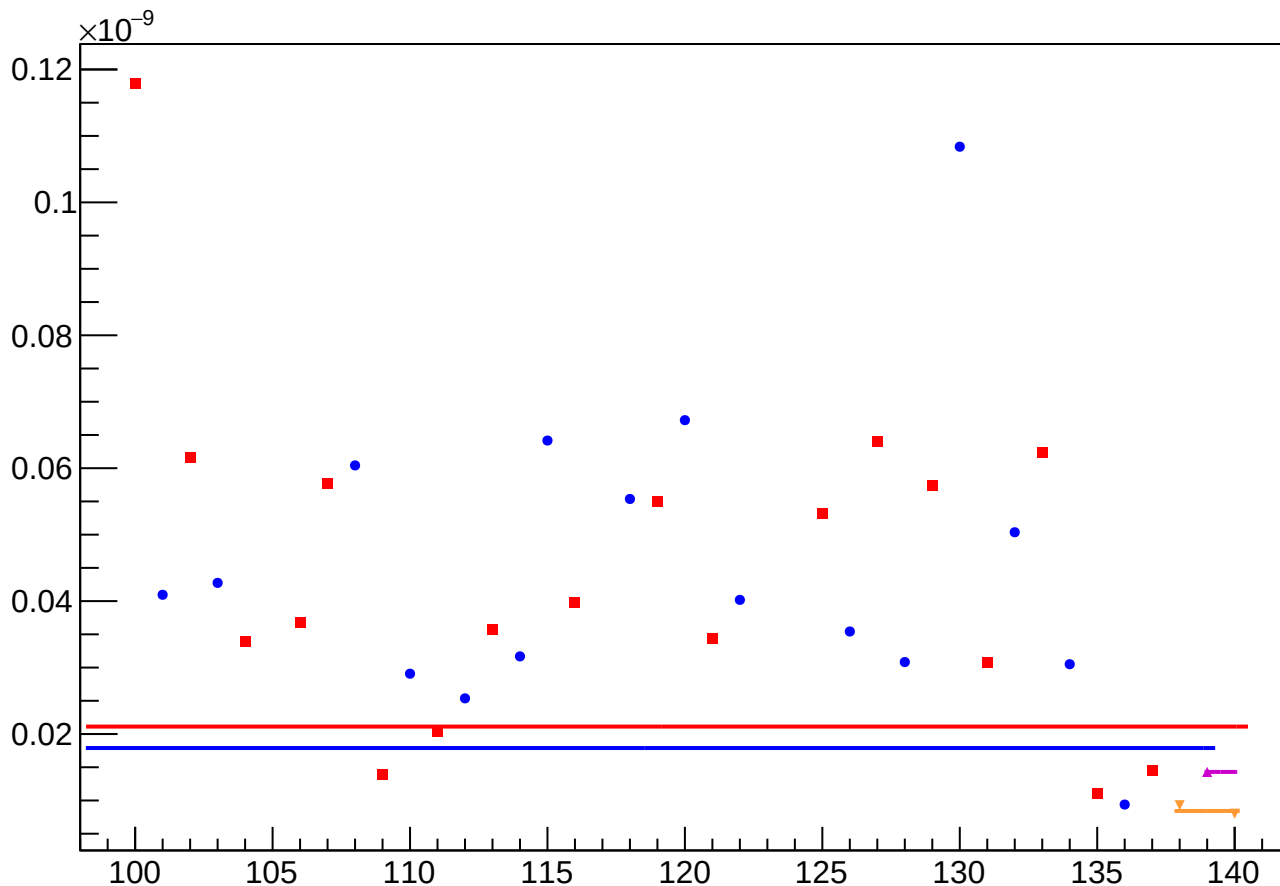
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 20.9/17

All: 0.000 ± 0.000 χ^2/NDF : 43.2/36

- sign -0.000 ± 0.000 χ^2/NDF : 19.7/18

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 10618.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2621588.2/17

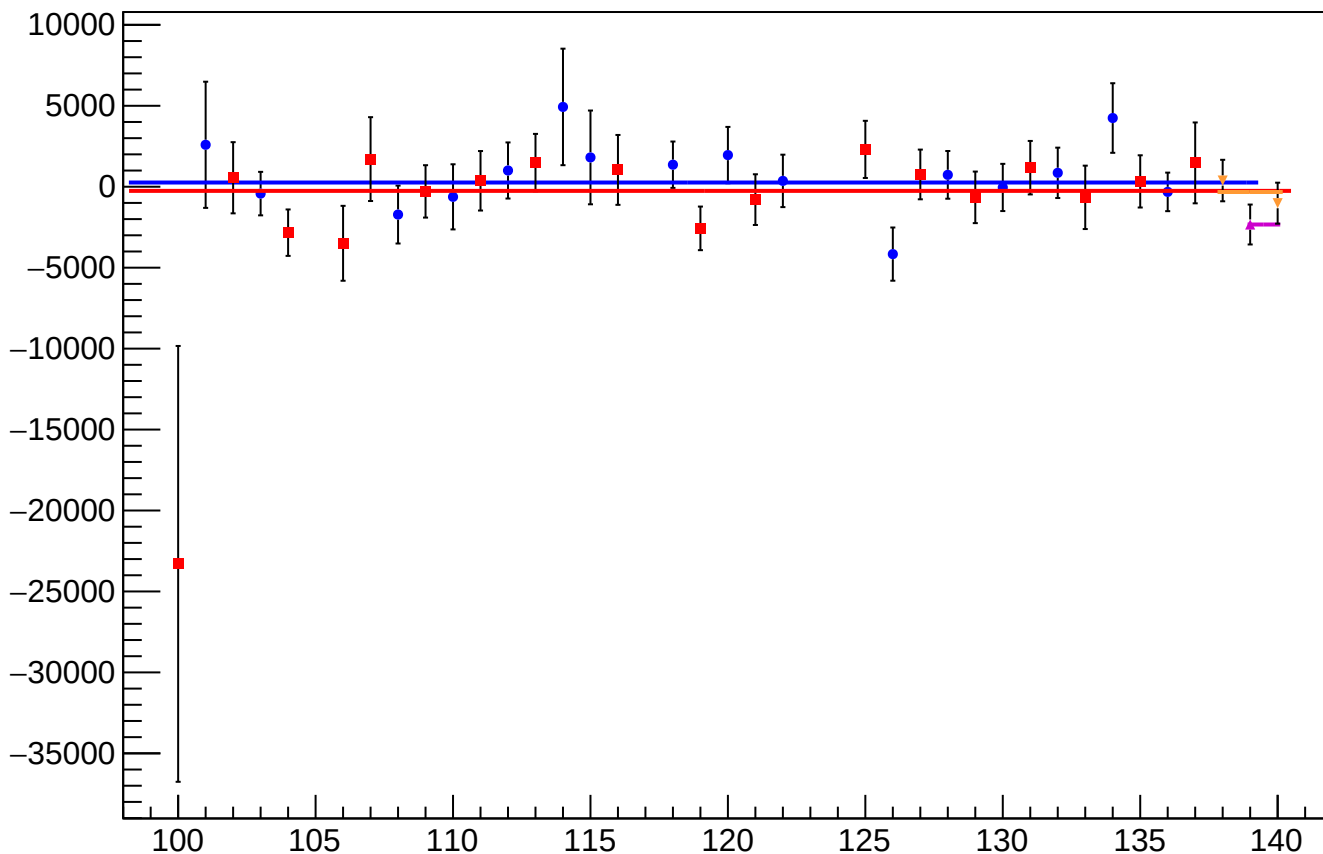
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4322797.0/17

All: 0.000+/-0.000 χ^2/NDF : 7825054.2/36

- sign 0.000+/-0.000 χ^2/NDF : 2791583.0/18

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797 $\pm$ 424.657 χ^2 /NDF: 16.9/15

Left Out: -325.211 $\pm$ 900.824 χ^2 /NDF:0.6/1

Right Out: -255.934 $\pm$ 425.784 χ^2 /NDF: 17.4/17

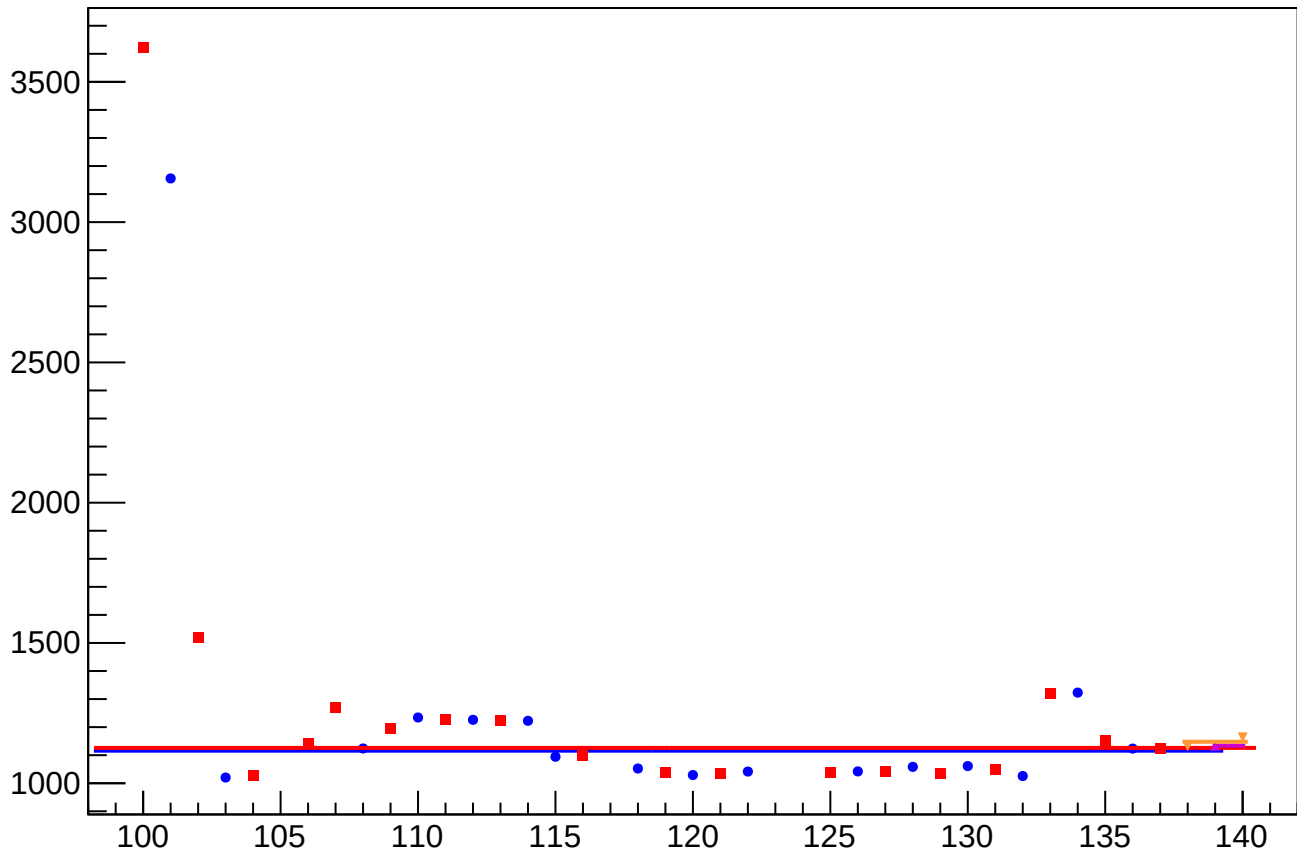
Left In: -2333.738 $\pm$ 1232.792 χ^2 /NDF:0.0/0

+ sign 154.248 $\pm$ 384.116 χ^2 /NDF: 17.9/17

All: -146.845 $\pm$ 277.869 χ^2 /NDF: 39.1/36

- sign -477.377 $\pm$ 402.456 χ^2 /NDF: 19.9/18

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 $\pm$ 0.300 χ^2 /NDF: 623390.9/15

Left Out: 1147.764 $\pm$ 0.637 χ^2 /NDF: 610.3/1

Right Out: 1126.016 $\pm$ 0.301 χ^2 /NDF: 222106.0/17

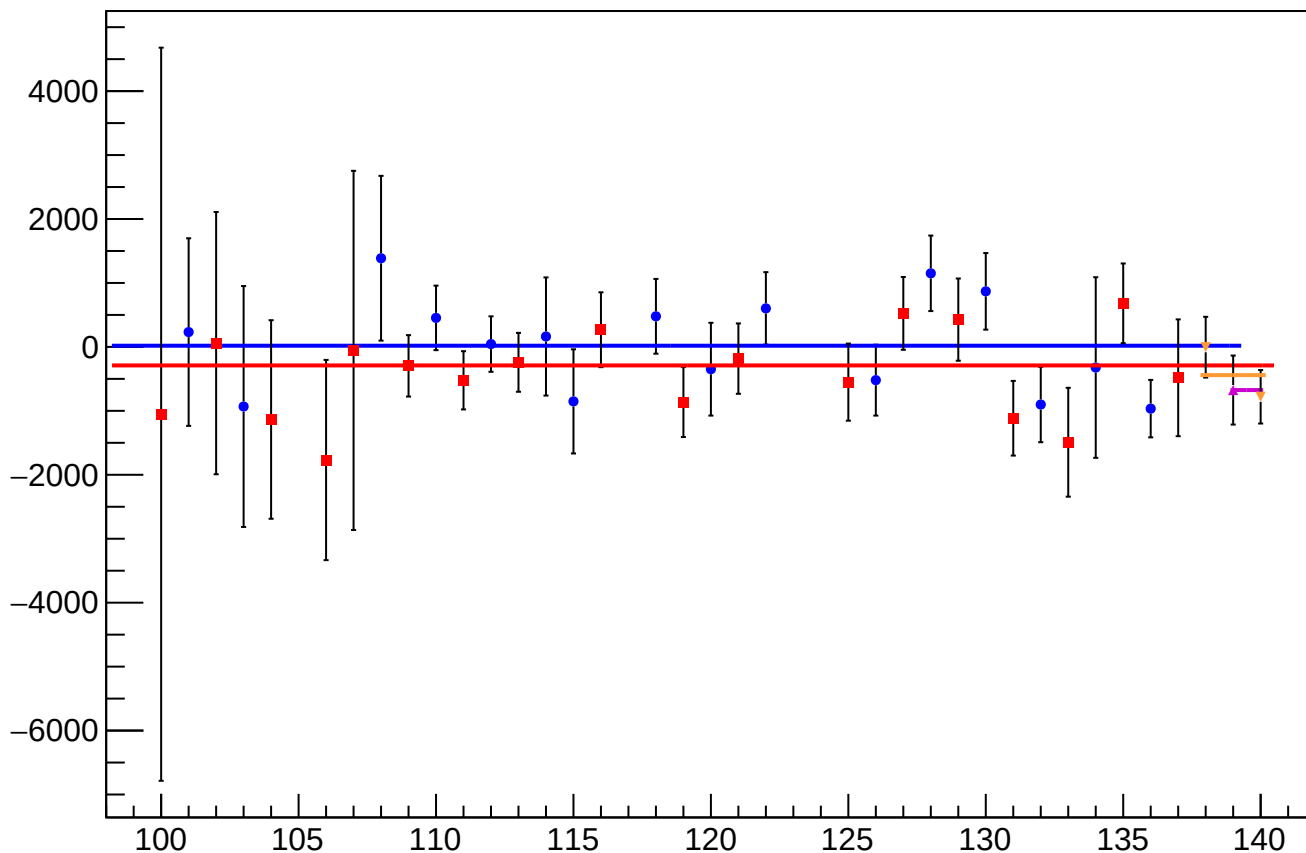
Left In: 1133.761 $\pm$ 0.872 χ^2 /NDF: 0.0/0

+ sign 1121.848 $\pm$ 0.272 χ^2 /NDF: 626024.3/17

All: 1124.228 $\pm$ 0.196 χ^2 /NDF: 848361.8/36

- sign 1126.841 $\pm$ 0.285 χ^2 /NDF: 222176.5/18

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: 18.468+/-161.237 χ^2/NDF : 19.2/15

Left Out: -441.321+/-313.952 χ^2/NDF : 1.5/1

Right Out: -289.946+/-156.189 χ^2/NDF : 13.5/17

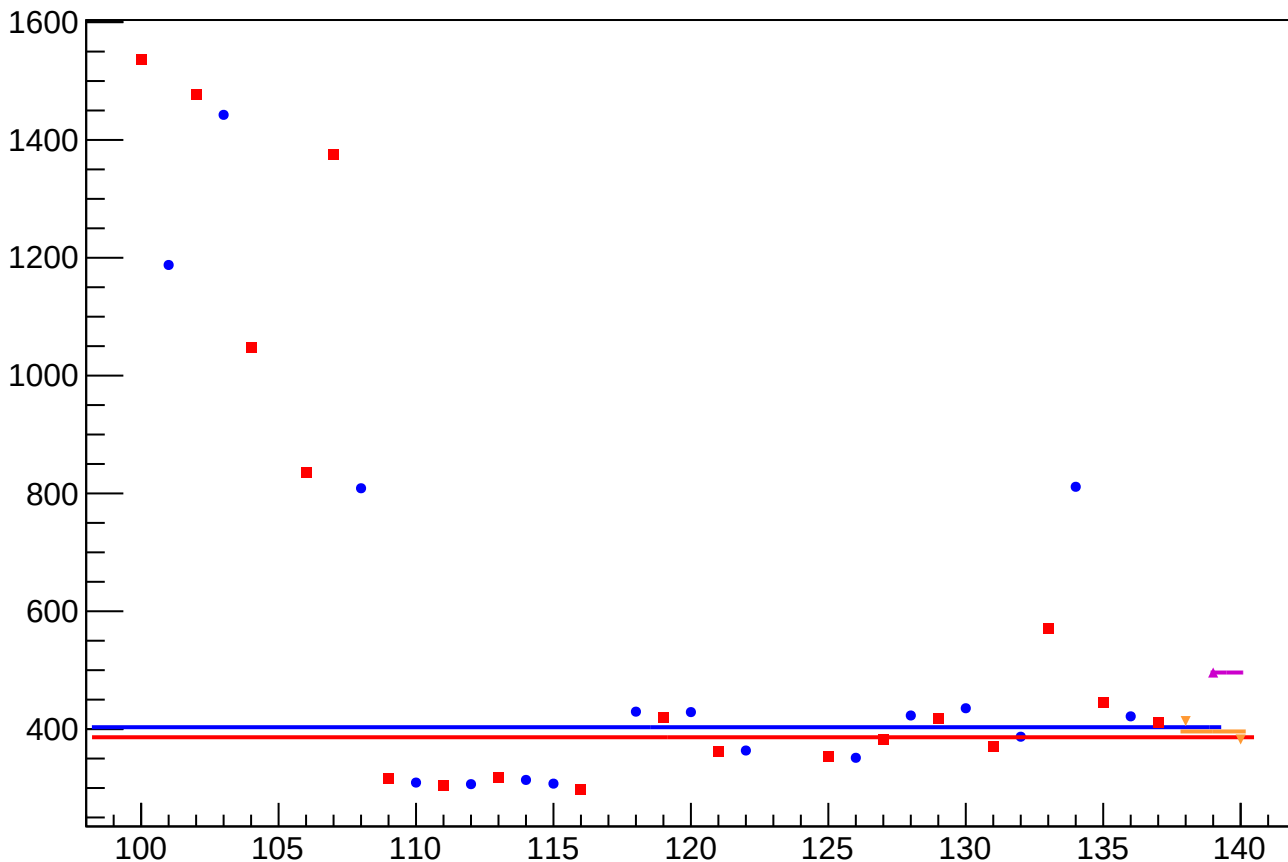
Left In: -674.992+/-539.598 χ^2/NDF : 0.0/0

+ sign -77.494+/-143.428 χ^2/NDF : 22.4/17

All: -193.156+/-103.674 χ^2/NDF : 37.7/36

- sign -319.713+/-150.030 χ^2/NDF : 14.0/18

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: 395.981+/-0.222 χ^2/NDF : 4869.3/1

Right Out: 386.146+/-0.110 χ^2/NDF : 1759113.8/17

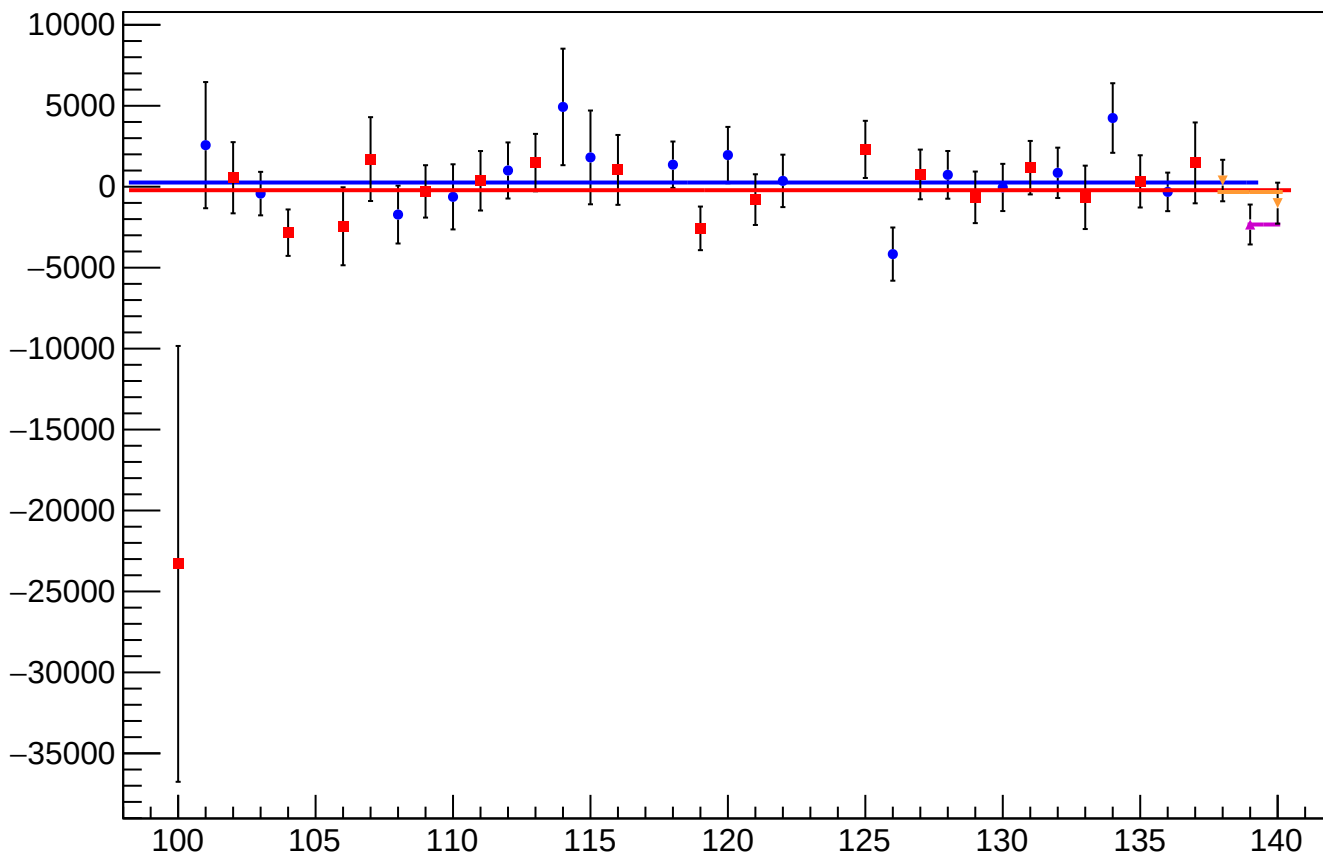
Left In: 496.012+/-0.382 χ^2/NDF : 0.0/0

+ sign 401.689+/-0.101 χ^2/NDF : 1814137.0/17

All: 398.323+/-0.073 χ^2/NDF : 3652060.2/36

- sign 394.639+/-0.106 χ^2/NDF : 1835616.3/18

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF : 16.9/15

Left Out: -325.186+/-900.824 χ^2/NDF : 0.6/1

Right Out: -214.501+/-426.342 χ^2/NDF : 16.2/17

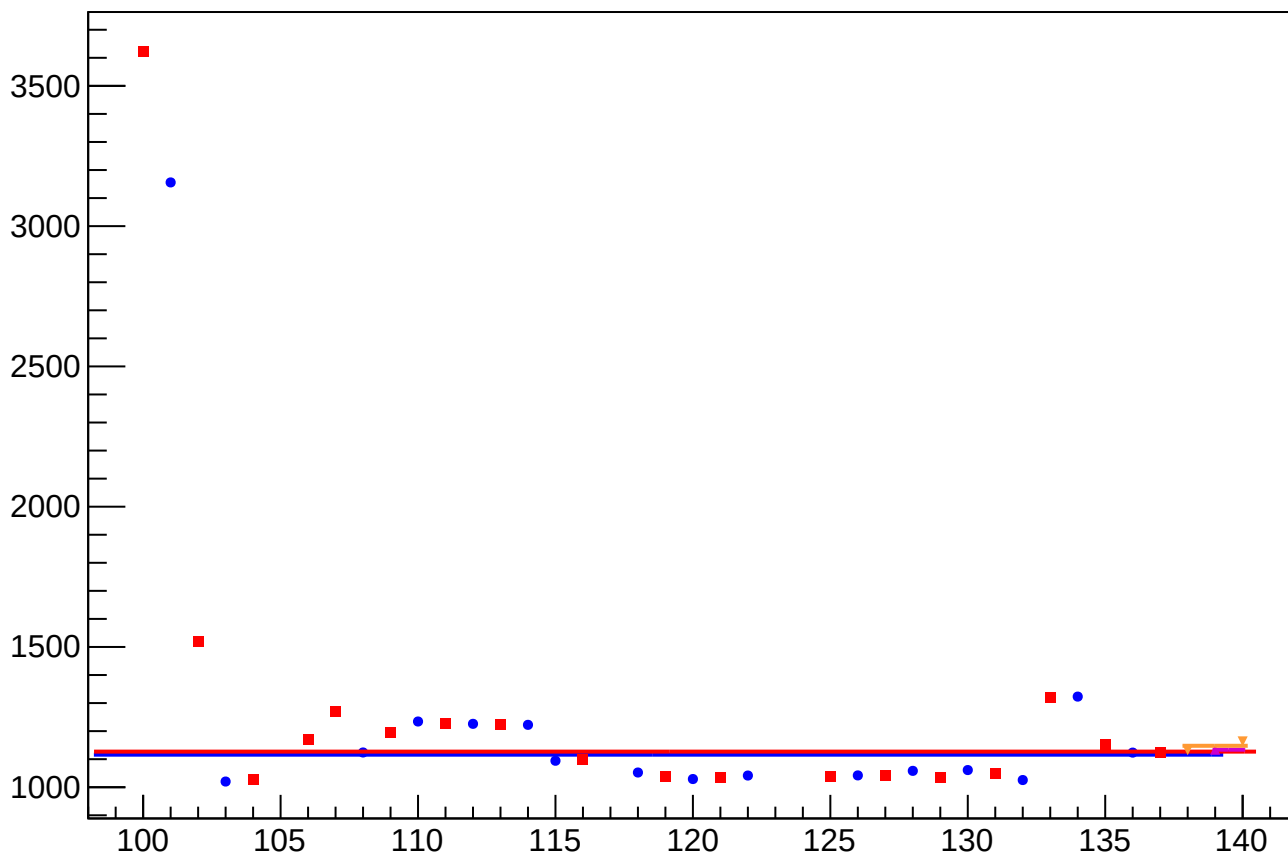
Left In: -2333.817+/-1232.792 χ^2/NDF : 0.0/0

+ sign 153.940+/-384.116 χ^2/NDF : 17.9/17

All: -129.269+/-278.023 χ^2/NDF : 37.9/36

- sign -440.896+/-402.927 χ^2/NDF : 18.9/18

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 $\pm$ 0.300 χ^2 /NDF: 623391.9/15

Left Out: 1147.764 $\pm$ 0.637 χ^2 /NDF: 610.3/1

Right Out: 1126.960 $\pm$ 0.301 χ^2 /NDF: 222740.2/17

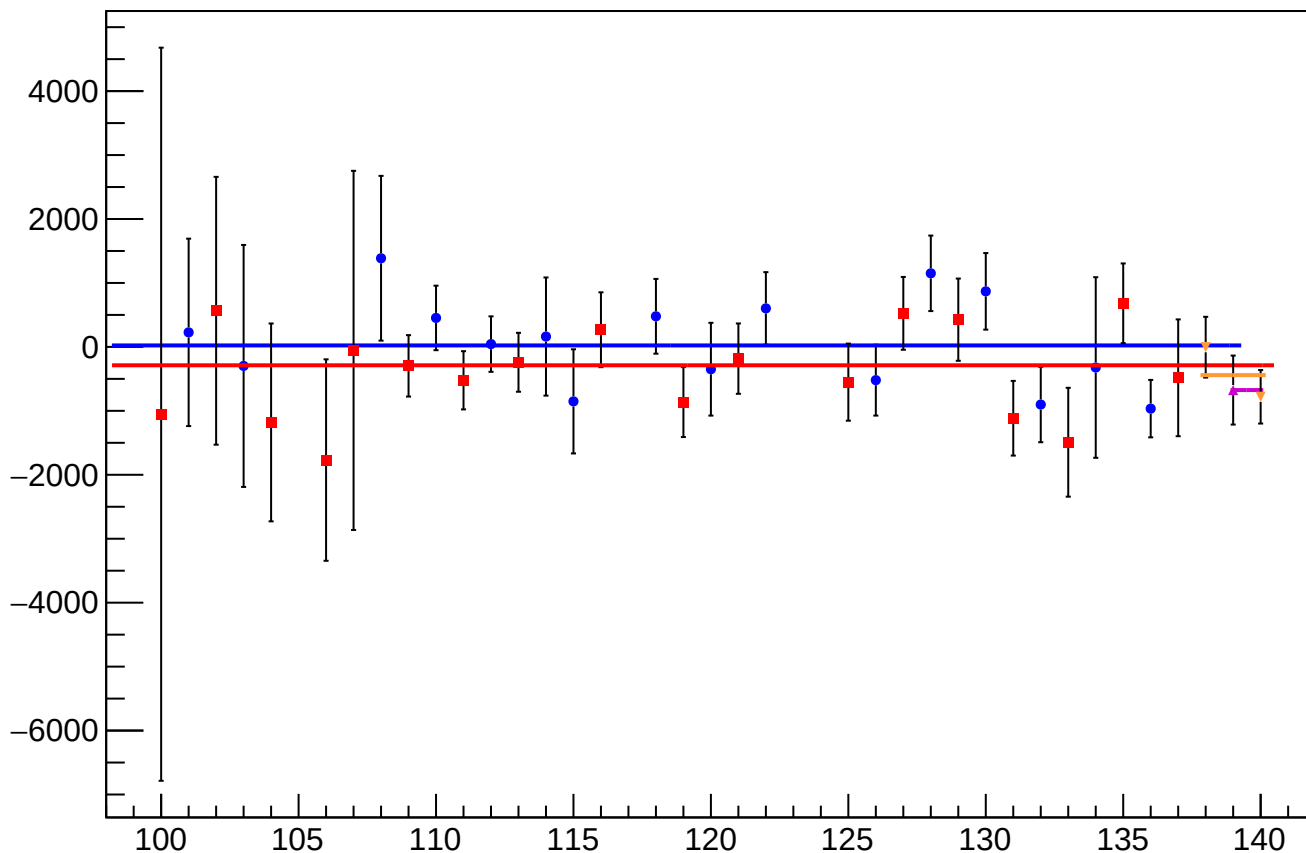
Left In: 1133.761 $\pm$ 0.872 χ^2 /NDF: 0.0/0

+ sign 1121.848 $\pm$ 0.272 χ^2 /NDF: 626025.3/17

All: 1124.628 $\pm$ 0.197 χ^2 /NDF: 849039.8/36

- sign 1127.687 $\pm$ 0.285 χ^2 /NDF: 222794.5/18

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: 22.923+/-161.238 χ^2/NDF : 19.0/15

Left Out: -441.578+/-313.946 χ^2/NDF : 1.5/1

Right Out: -287.614+/-156.212 χ^2/NDF : 13.7/17

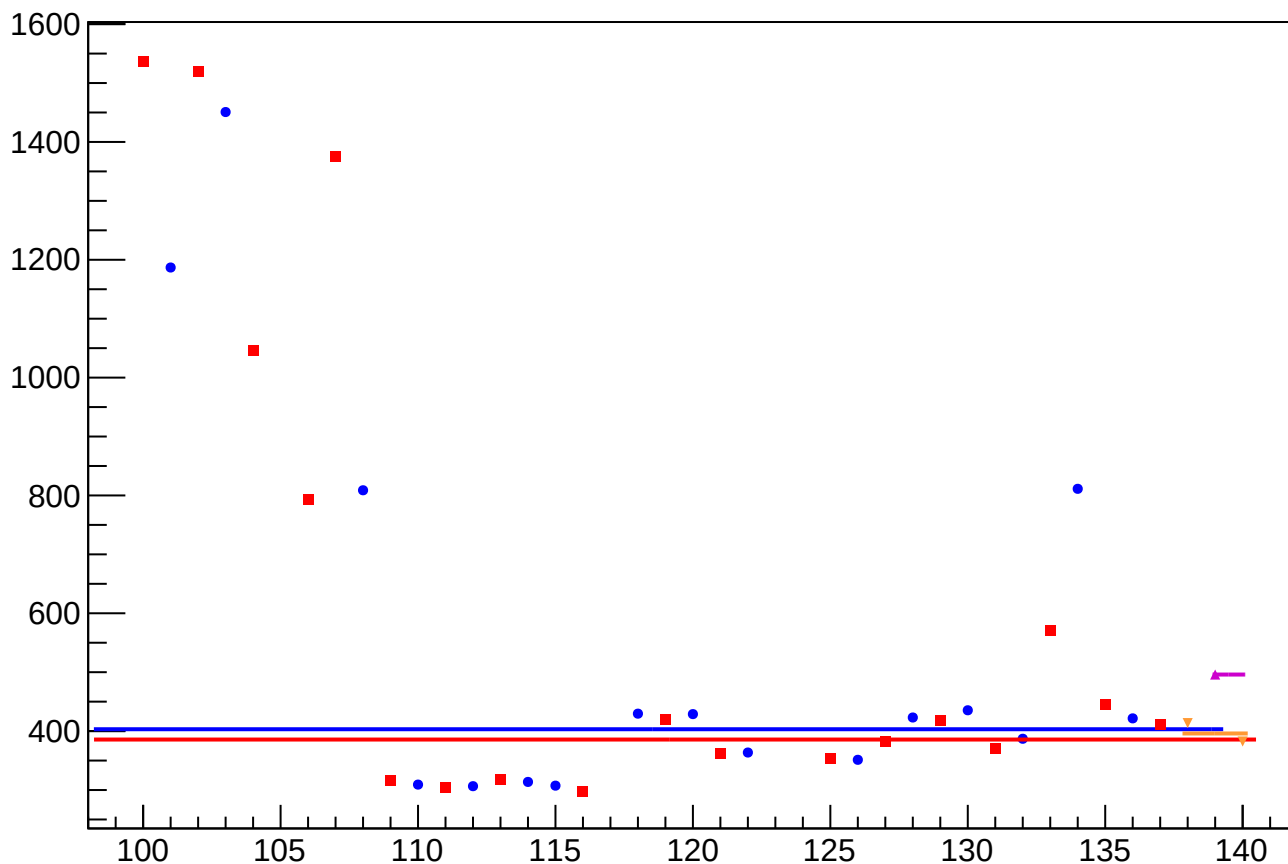
Left In: -675.131+/-539.583 χ^2/NDF : 0.0/0

+ sign -74.026+/-143.428 χ^2/NDF : 22.2/17

All: -190.311+/-103.681 χ^2/NDF : 37.7/36

- sign -317.582+/-150.051 χ^2/NDF : 14.1/18

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182 $\pm$ 0.114 χ^2 /NDF: 1812111.0/15

Left Out: 395.974 $\pm$ 0.222 χ^2 /NDF:4871.7/1

Right Out: 385.682 $\pm$ 0.110 χ^2 /NDF: 1747152.2/17

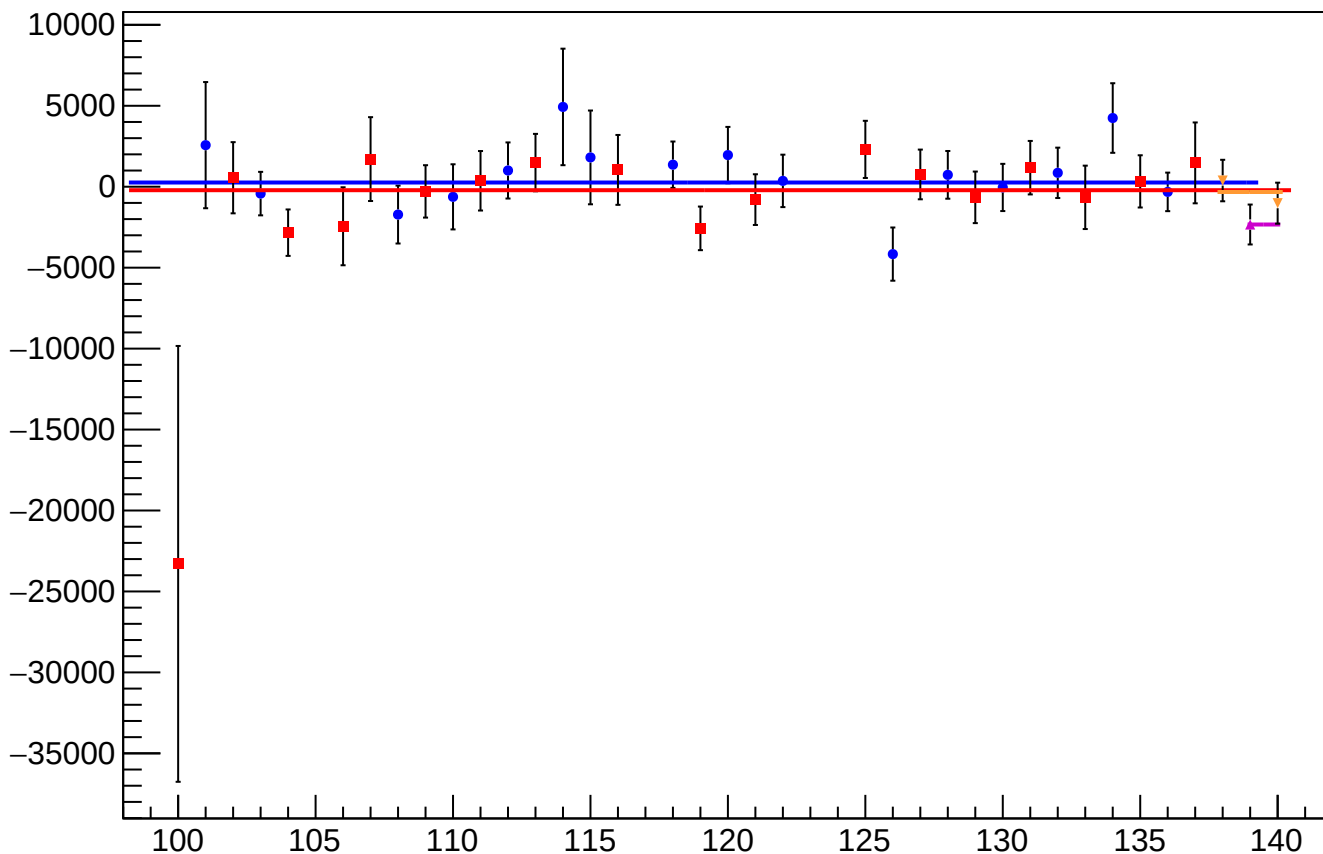
Left In: 495.998 $\pm$ 0.382 χ^2 /NDF:0.0/0

+ sign 401.678 $\pm$ 0.101 χ^2 /NDF: 1817817.0/17

All: 398.113 $\pm$ 0.073 χ^2 /NDF: 3644688.5/36

- sign 394.212 $\pm$ 0.106 χ^2 /NDF: 1824284.7/18

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: -325.186+/-900.824 χ^2/NDF : 0.6/1

Right Out: -214.501+/-426.342 χ^2/NDF : 16.2/17

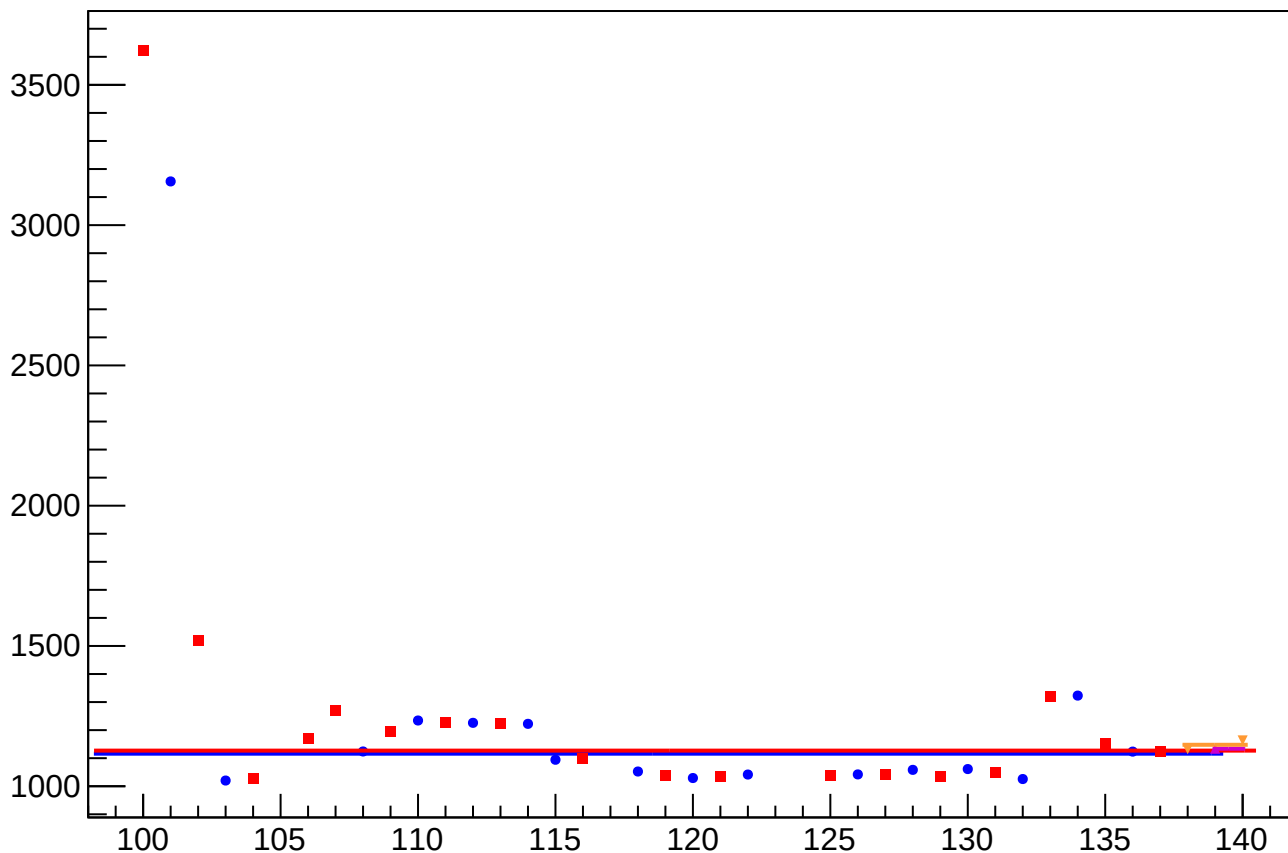
Left In: -2333.817+/-1232.792 χ^2/NDF : 0.0/0

+ sign 153.940+/-384.116 χ^2/NDF : 17.9/17

All: -129.269+/-278.023 χ^2/NDF : 37.9/36

- sign -440.896+/-402.927 χ^2/NDF : 18.9/18

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 $\pm$ 0.300 χ^2 /NDF: 623391.9/15

Left Out: 1147.764 $\pm$ 0.637 χ^2 /NDF: 610.3/1

Right Out: 1126.960 $\pm$ 0.301 χ^2 /NDF: 222740.2/17

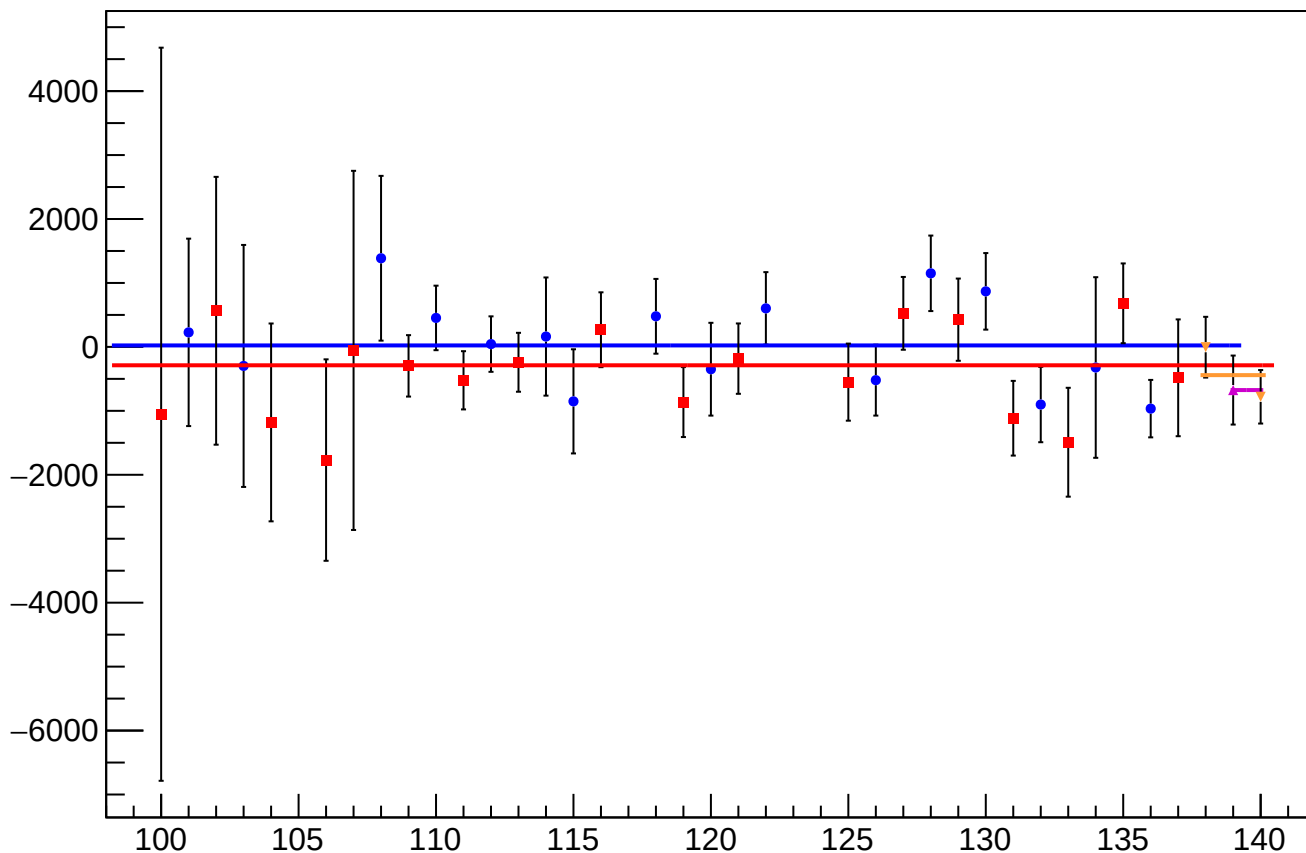
Left In: 1133.761 $\pm$ 0.872 χ^2 /NDF: 0.0/0

+ sign 1121.848 $\pm$ 0.272 χ^2 /NDF: 626025.3/17

All: 1124.628 $\pm$ 0.197 χ^2 /NDF: 849039.8/36

- sign 1127.687 $\pm$ 0.285 χ^2 /NDF: 222794.5/18

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 22.923+/-161.238 χ^2/NDF : 19.0/15

Left Out: -441.578+/-313.946 χ^2/NDF : 1.5/1

Right Out: -287.614+/-156.212 χ^2/NDF : 13.7/17

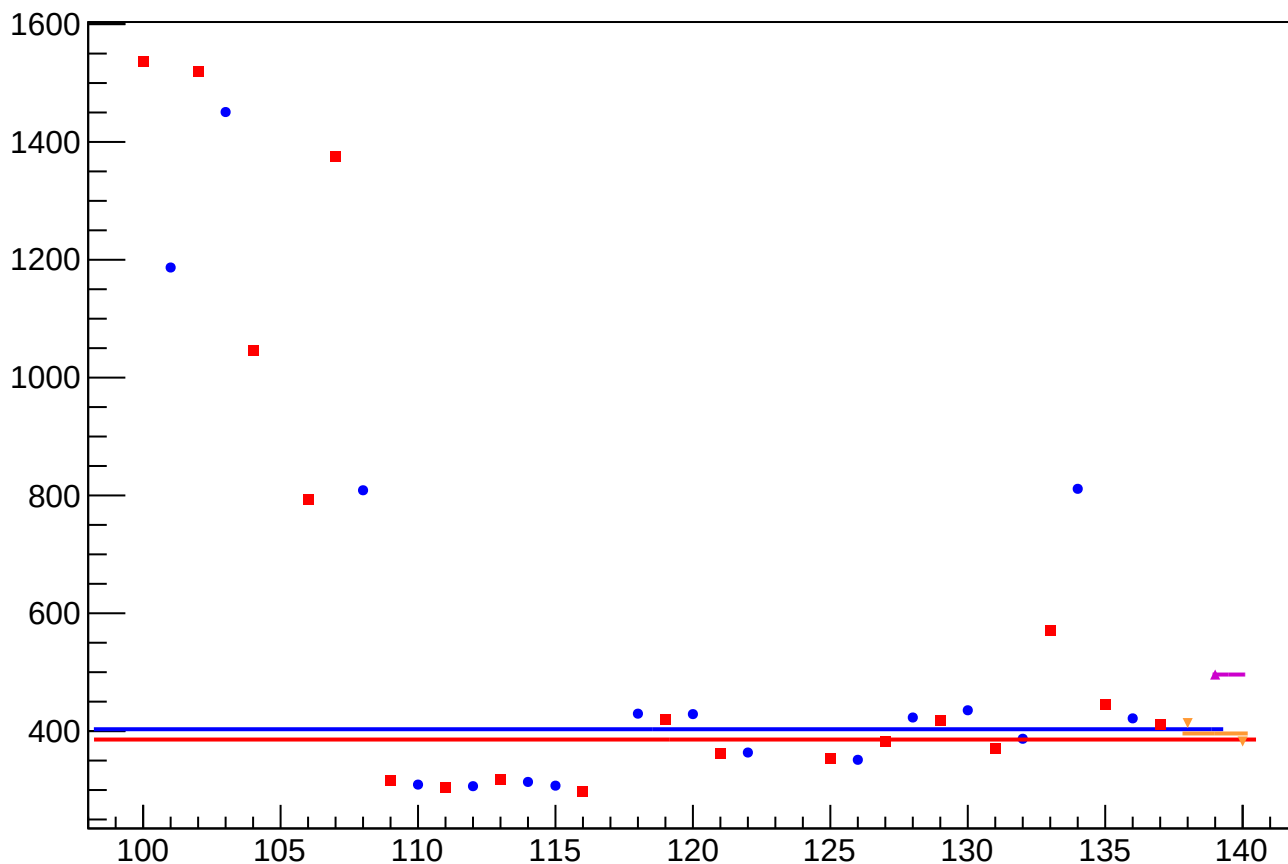
Left In: -675.131+/-539.583 χ^2/NDF : 0.0/0

+ sign -74.026+/-143.428 χ^2/NDF : 22.2/17

All: -190.311+/-103.681 χ^2/NDF : 37.7/36

- sign -317.582+/-150.051 χ^2/NDF : 14.1/18

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF : 1812111.0/15

Left Out: 395.974+/-0.222 χ^2/NDF : 4871.7/1

Right Out: 385.682+/-0.110 χ^2/NDF : 1747152.2/17

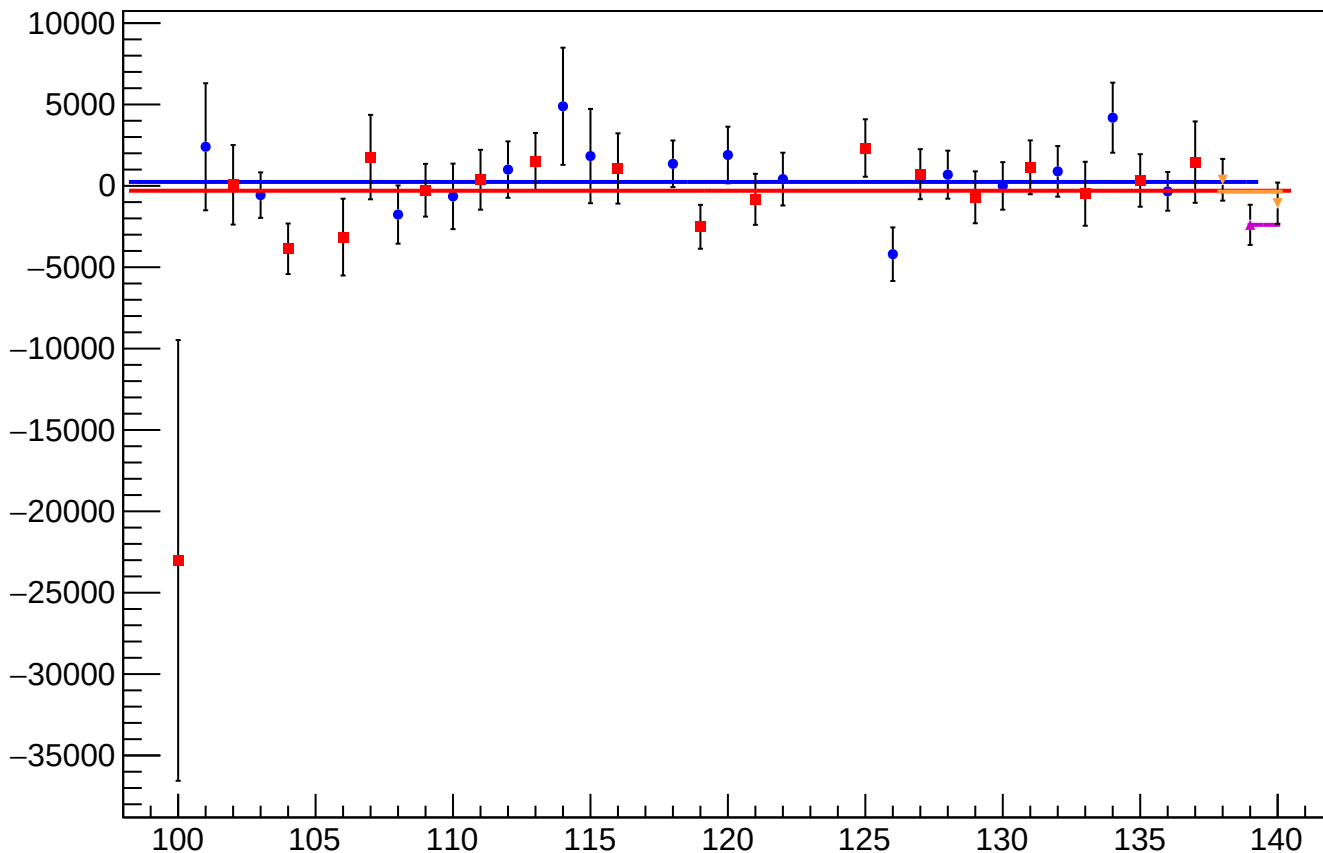
Left In: 495.998+/-0.382 χ^2/NDF : 0.0/0

+ sign 401.678+/-0.101 χ^2/NDF : 1817817.0/17

All: 398.113+/-0.073 χ^2/NDF : 3644688.5/36

- sign 394.212+/-0.106 χ^2/NDF : 1824284.7/18

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827 ± 426.592 χ^2/NDF : 17.0/15

Left Out: -354.963 ± 901.834 χ^2/NDF : 0.6/1

Right Out: -298.921 ± 430.767 χ^2/NDF : 18.7/17

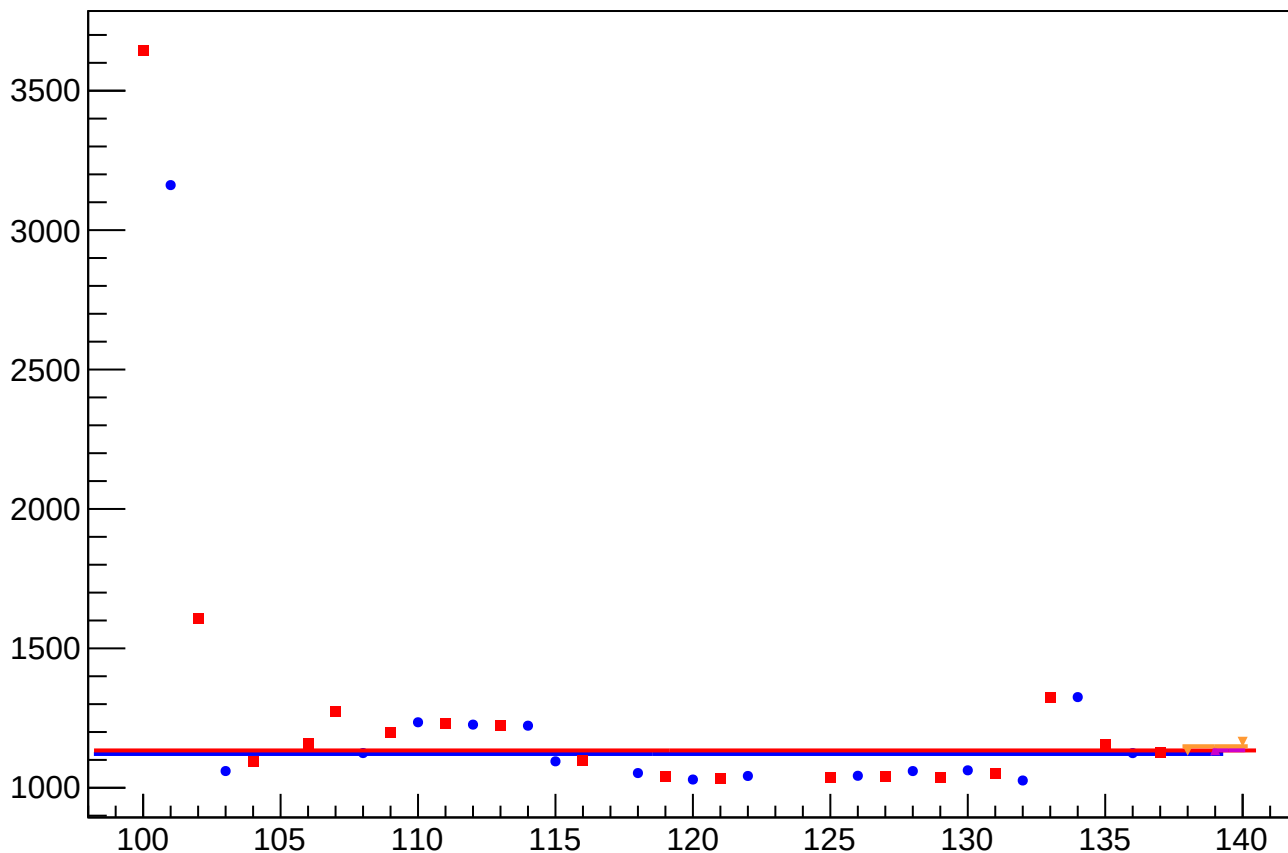
Left In: -2395.766 ± 1233.912 χ^2/NDF : 0.0/0

+ sign 131.891 ± 385.625 χ^2/NDF : 17.9/17

All: -179.909 ± 279.831 χ^2/NDF : 40.6/36

- sign -526.712 ± 406.696 χ^2/NDF : 21.3/18

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF : 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF : 631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF : 227457.1/17

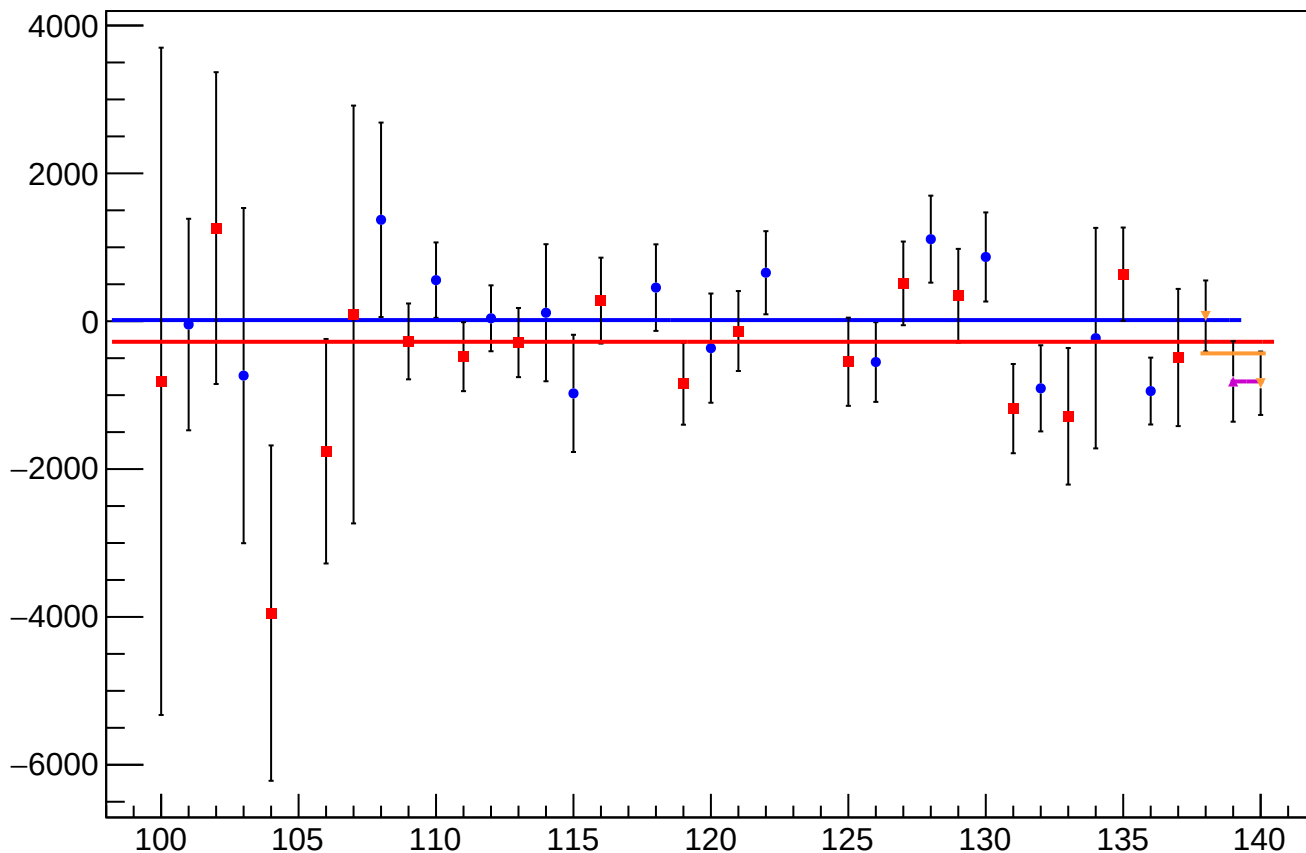
Left In: 1134.743+/-0.873 χ^2/NDF : 0.0/0

+ sign 1126.368+/-0.273 χ^2/NDF : 619207.5/17

All: 1129.990+/-0.198 χ^2/NDF : 847037.9/36

- sign 1134.018+/-0.288 χ^2/NDF : 227457.8/18

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291 ± 161.845 $\chi^2/\text{NDF}: 19.6/15$

Left Out: -435.073 ± 319.875 $\chi^2/\text{NDF}: 2.0/1$

Right Out: -278.251 ± 158.828 $\chi^2/\text{NDF}: 15.1/17$

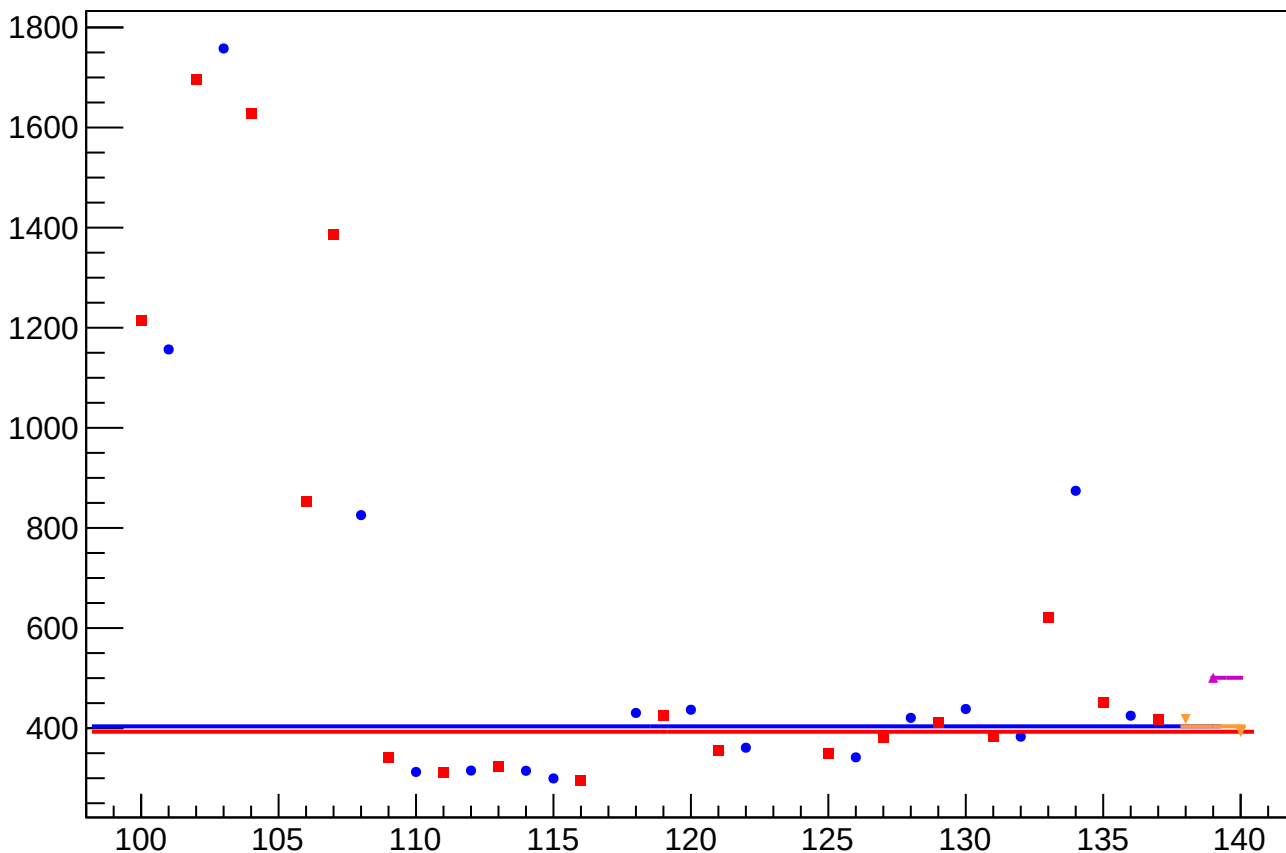
Left In: -814.797 ± 544.622 $\chi^2/\text{NDF}: 0.0/0$

+ sign -76.503 ± 144.413 $\chi^2/\text{NDF}: 23.2/17$

All: -191.788 ± 104.850 $\chi^2/\text{NDF}: 40.5/36$

- sign -320.306 ± 152.476 $\chi^2/\text{NDF}: 16.0/18$

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF : 1929597.5/15

Left Out: 403.694+/-0.226 χ^2/NDF : 3275.5/1

Right Out: 392.820+/-0.112 χ^2/NDF : 2203456.1/17

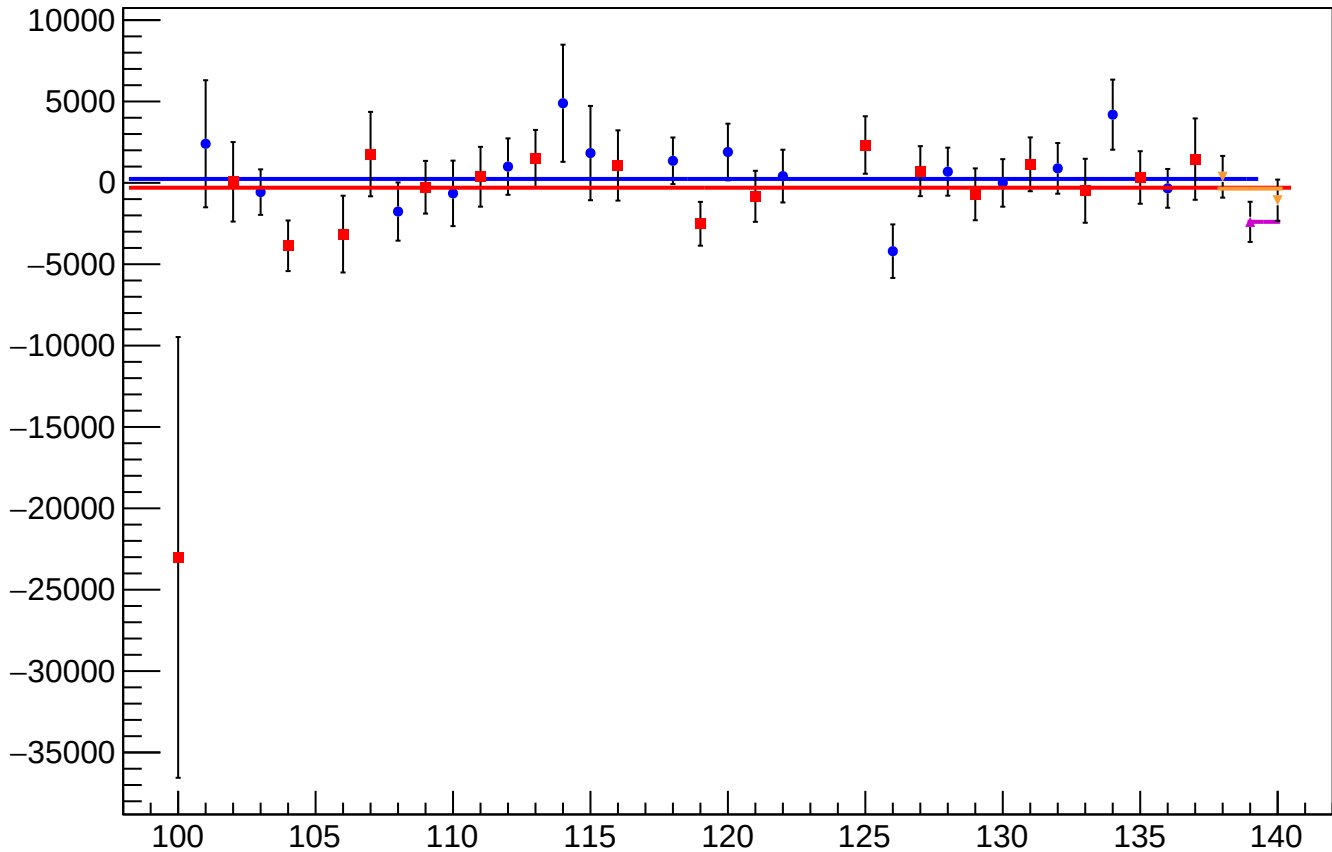
Left In: 500.677+/-0.385 χ^2/NDF : 0.0/0

+ sign 403.664+/-0.102 χ^2/NDF : 1932873.0/17

All: 402.534+/-0.074 χ^2/NDF : 4208878.4/36

- sign 401.274+/-0.108 χ^2/NDF : 2275746.6/18

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829 $\pm$ 426.592 χ^2 /NDF: 17.0/15

Left Out: -354.969 $\pm$ 901.834 χ^2 /NDF:0.6/1

Right Out: -298.922 $\pm$ 430.767 χ^2 /NDF: 18.7/17

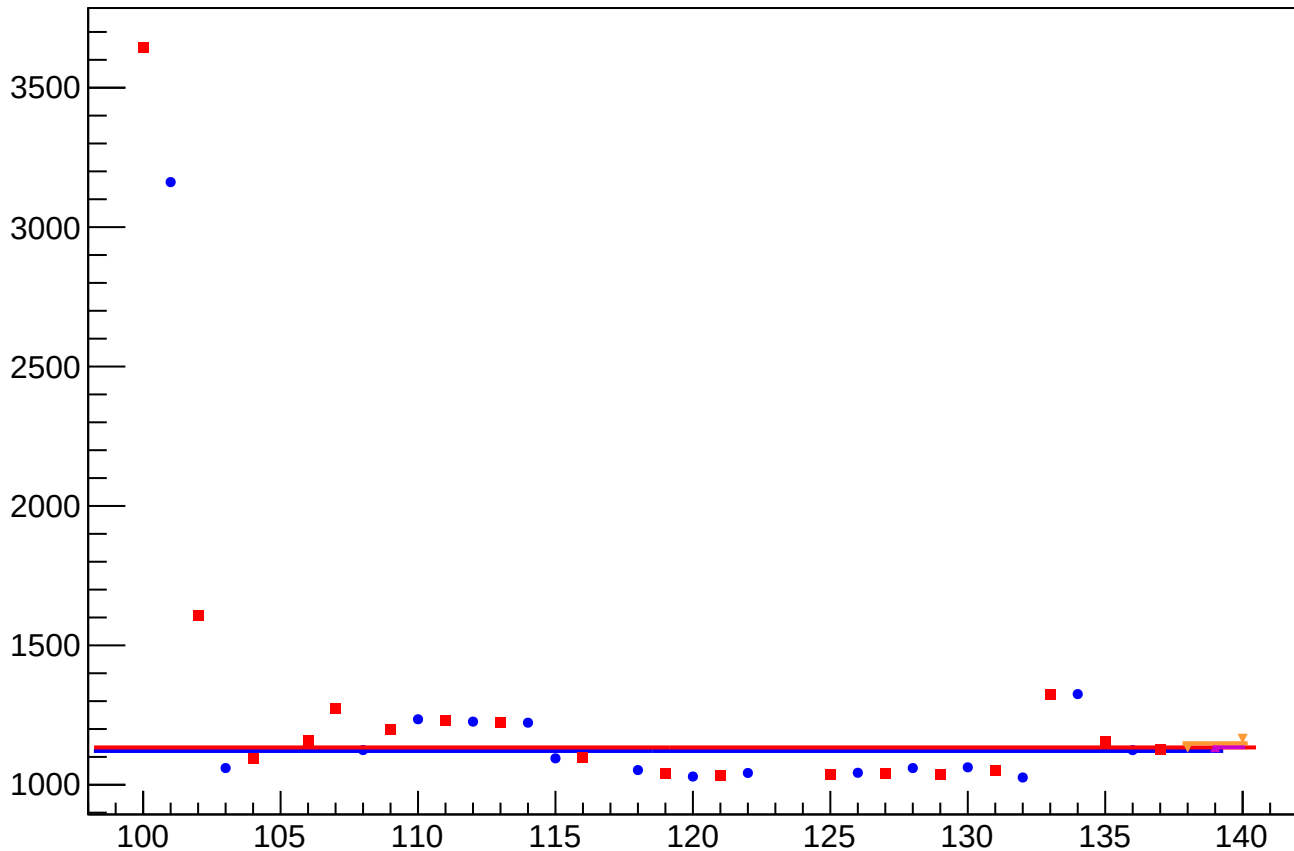
Left In: -2395.754 $\pm$ 1233.912 χ^2 /NDF:0.0/0

+ sign 131.892 $\pm$ 385.625 χ^2 /NDF: 17.9/17

All: -179.908 $\pm$ 279.831 χ^2 /NDF: 40.6/36

- sign -526.712 $\pm$ 406.696 χ^2 /NDF: 21.3/18

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: 1149.047+/-0.638 χ^2/NDF : 631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF : 227457.1/17

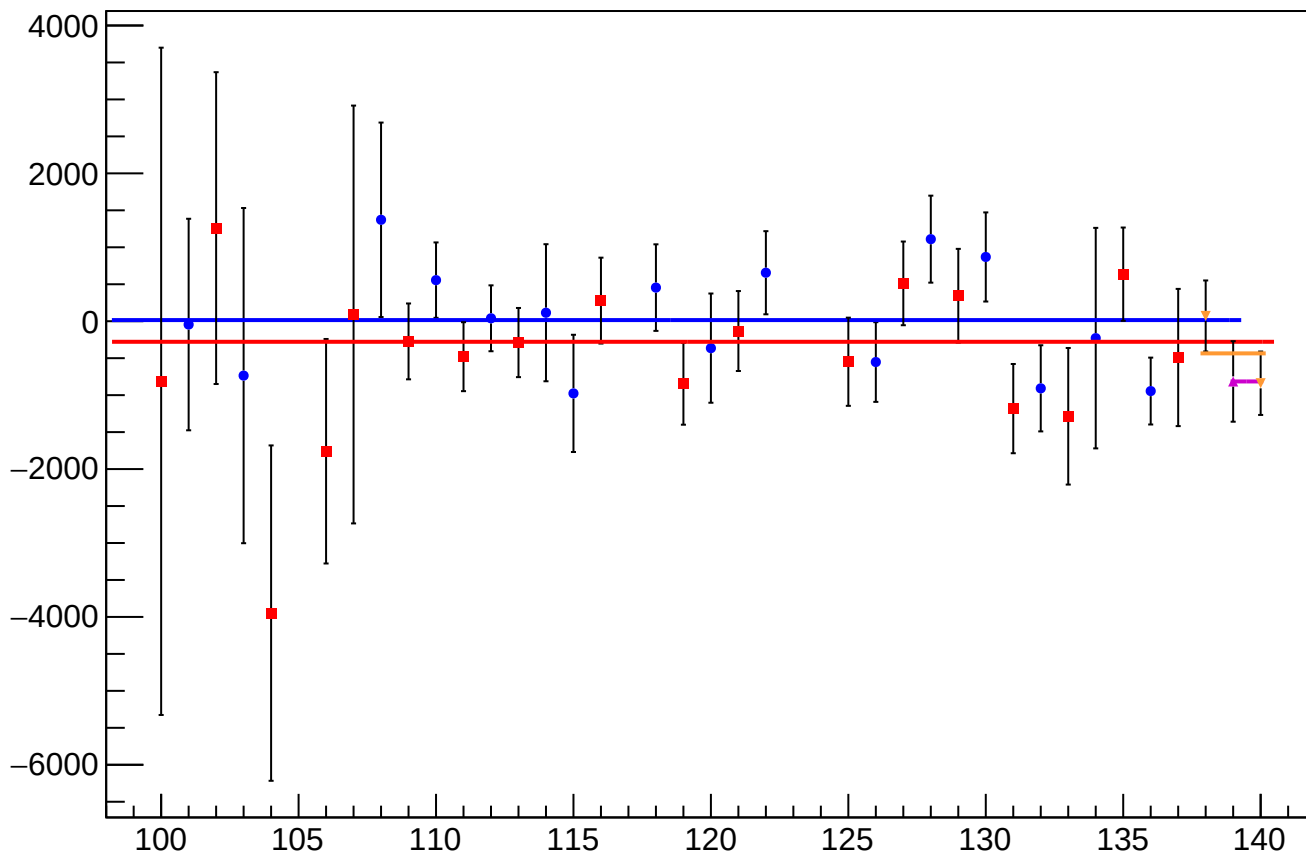
Left In: 1134.743+/-0.873 χ^2/NDF : 0.0/0

+ sign 1126.368+/-0.273 χ^2/NDF : 619207.6/17

All: 1129.990+/-0.198 χ^2/NDF : 847038.0/36

- sign 1134.018+/-0.288 χ^2/NDF : 227457.9/18

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 15.288 $\pm$ 161.844 χ^2 /NDF: 19.6/15

Left Out: -435.075 $\pm$ 319.874 χ^2 /NDF: 2.0/1

Right Out: -278.249 $\pm$ 158.826 χ^2 /NDF: 15.1/17

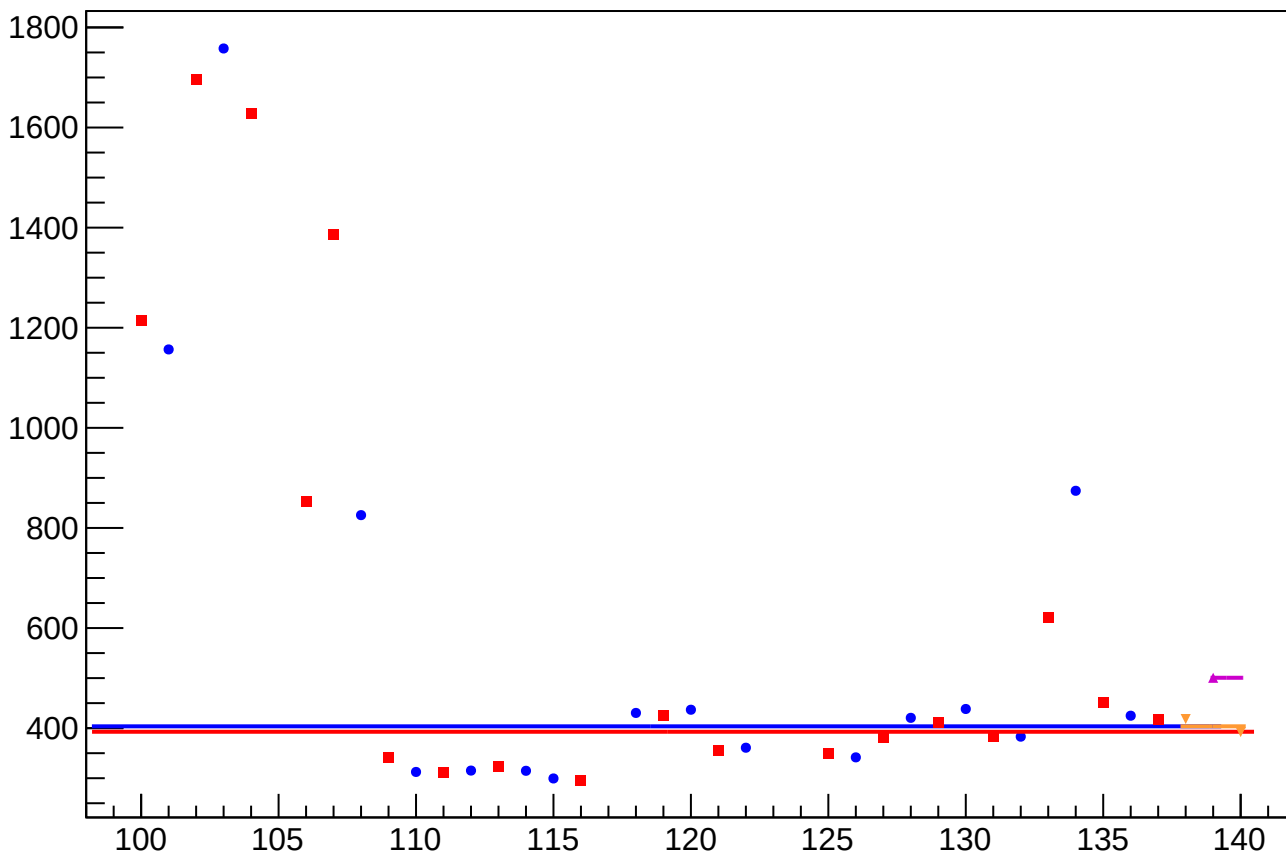
Left In: -814.794 $\pm$ 544.619 χ^2 /NDF: 0.0/0

+ sign -76.505 $\pm$ 144.412 χ^2 /NDF: 23.2/17

All: -191.788 $\pm$ 104.849 χ^2 /NDF: 40.5/36

- sign -320.304 $\pm$ 152.475 χ^2 /NDF: 16.0/18

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 403.653+/-0.114 χ^2/NDF : 1929594.3/15

Left Out: 403.693+/-0.226 χ^2/NDF : 3274.7/1

Right Out: 392.817+/-0.112 χ^2/NDF : 2203462.7/17

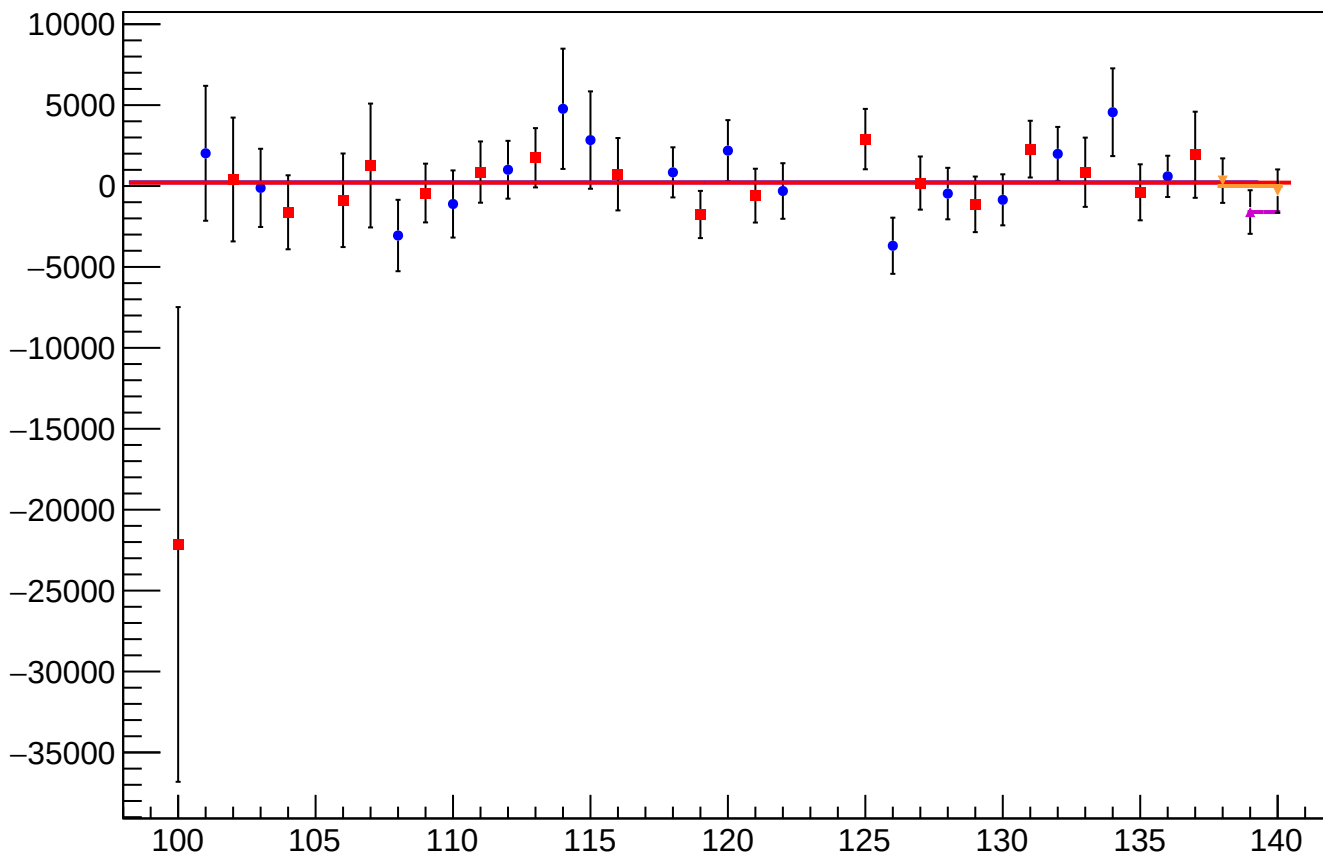
Left In: 500.674+/-0.385 χ^2/NDF : 0.0/0

+ sign 403.661+/-0.102 χ^2/NDF : 1932869.0/17

All: 402.531+/-0.074 χ^2/NDF : 4208883.2/36

- sign 401.271+/-0.108 χ^2/NDF : 2275755.2/18

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817 $\pm$ 474.559 χ^2 /NDF: 16.1/15

Left Out: 2.654 $\pm$ 958.366 χ^2 /NDF:0.1/1

Right Out: 209.751 $\pm$ 477.820 χ^2 /NDF: 11.0/17

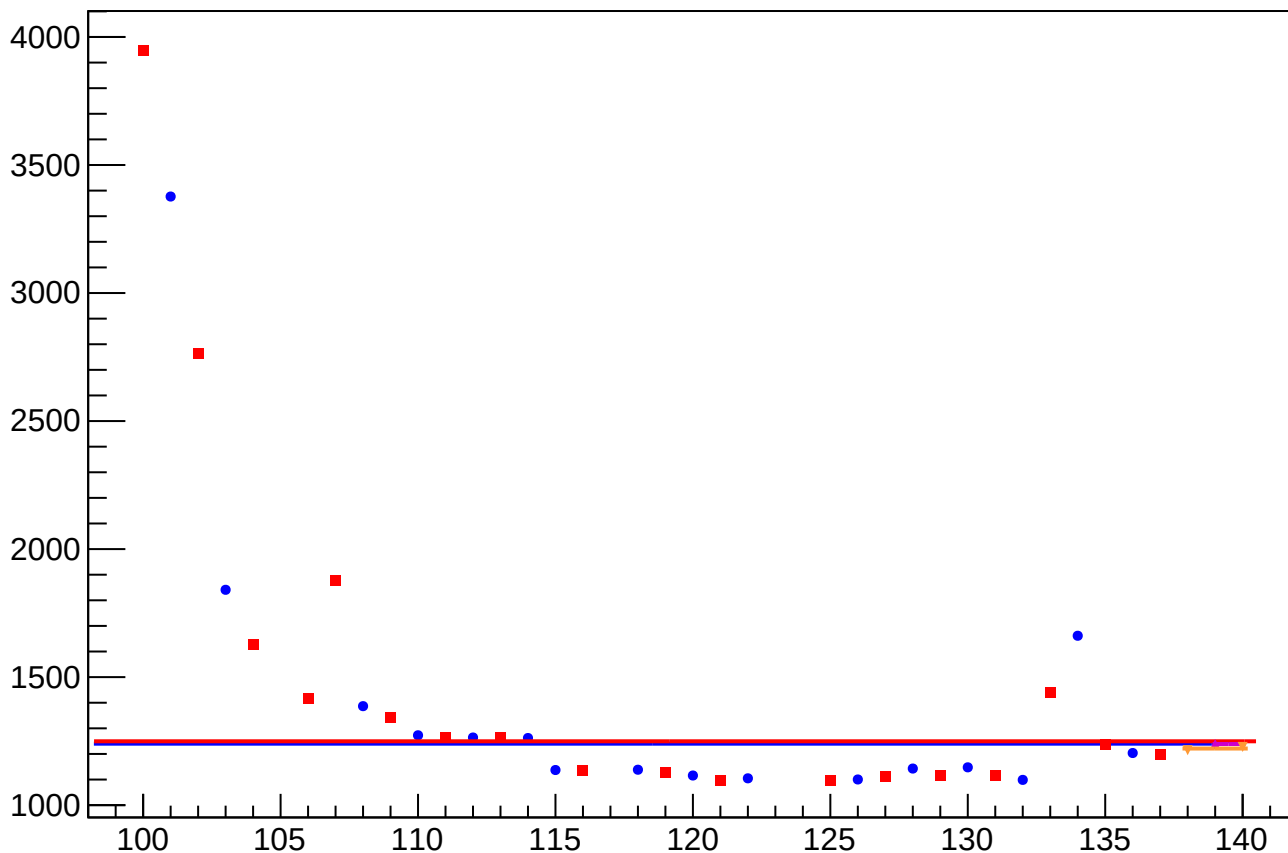
Left In: -1606.967 $\pm$ 1346.924 χ^2 /NDF:0.0/0

+ sign 181.070 $\pm$ 425.276 χ^2 /NDF: 16.3/17

All: 98.859 $\pm$ 309.191 χ^2 /NDF: 28.9/36

- sign 6.679 $\pm$ 450.324 χ^2 /NDF: 12.6/18

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF : 782679.7/15

Left Out: 1221.093+/-0.678 χ^2/NDF : 88.0/1

Right Out: 1249.410+/-0.338 χ^2/NDF : 606099.2/17

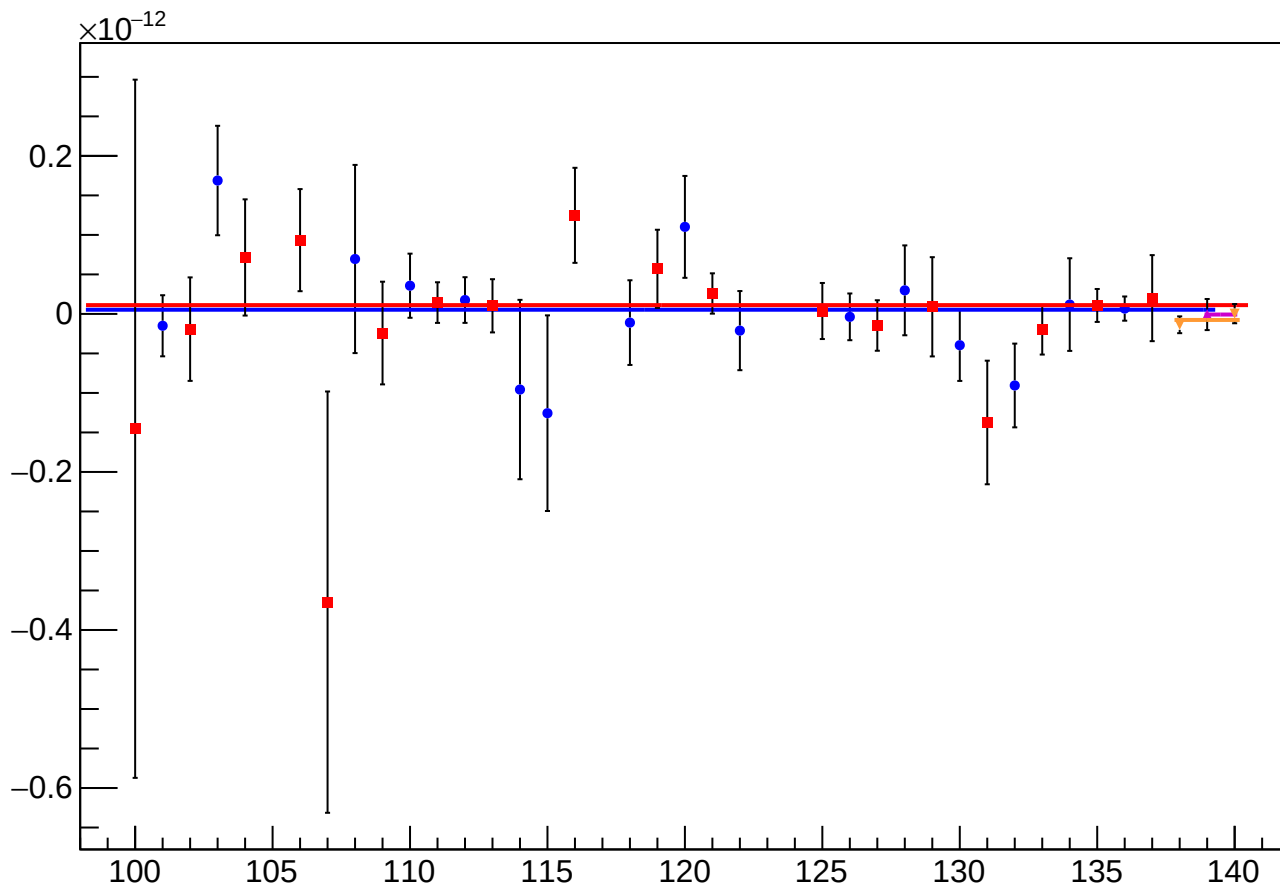
Left In: 1238.865+/-0.952 χ^2/NDF : 0.0/0

+ sign 1236.389+/-0.301 χ^2/NDF : 783402.1/17

All: 1241.972+/-0.219 χ^2/NDF : 1390341.3/30

- sign 1248.232+/-0.318 χ^2/NDF : 606208.1/18

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.8/1

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

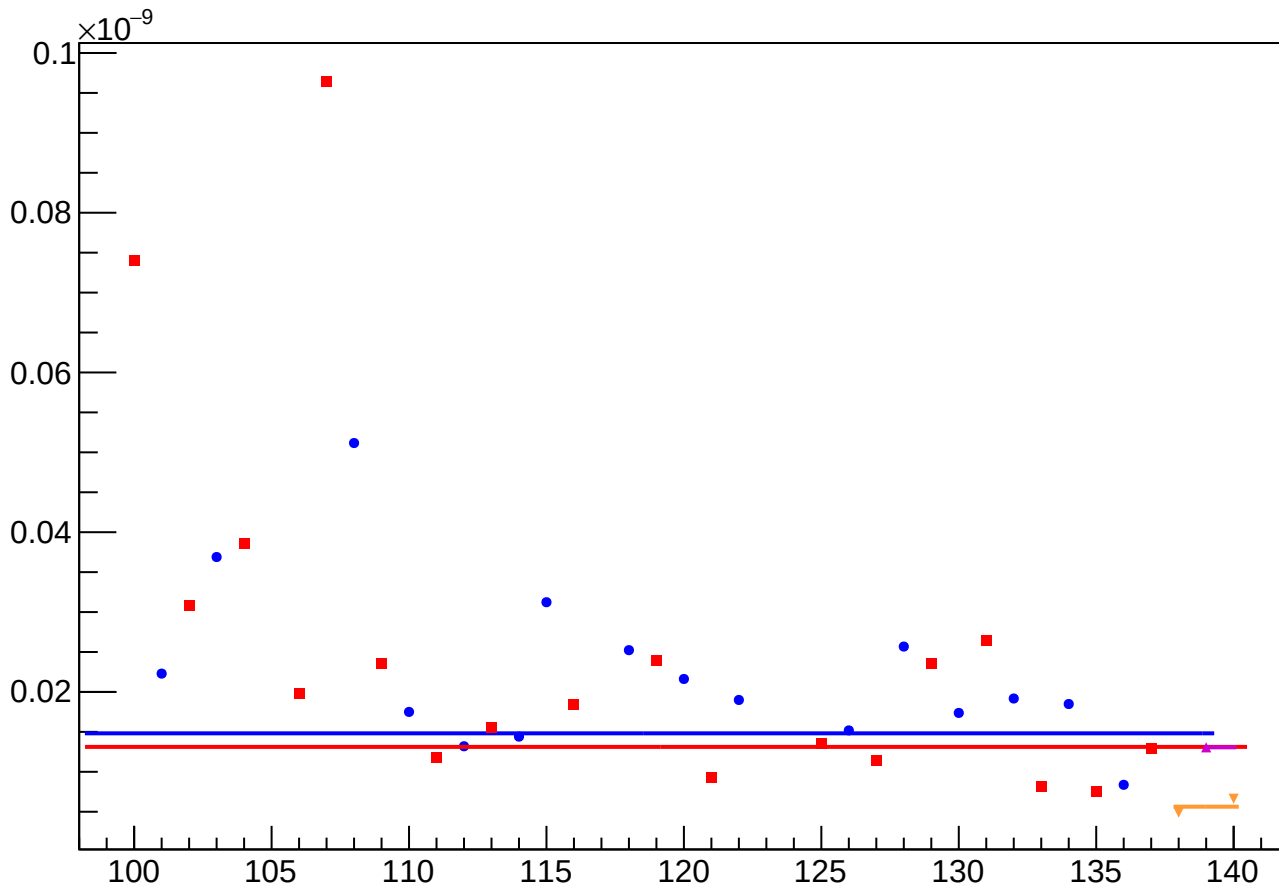
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 18.2/17

All: 0.000+/-0.000 χ^2/NDF : 34.7/36

- sign 0.000+/-0.000 χ^2/NDF : 15.3/18

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1081472.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:23500.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1181949.6/17

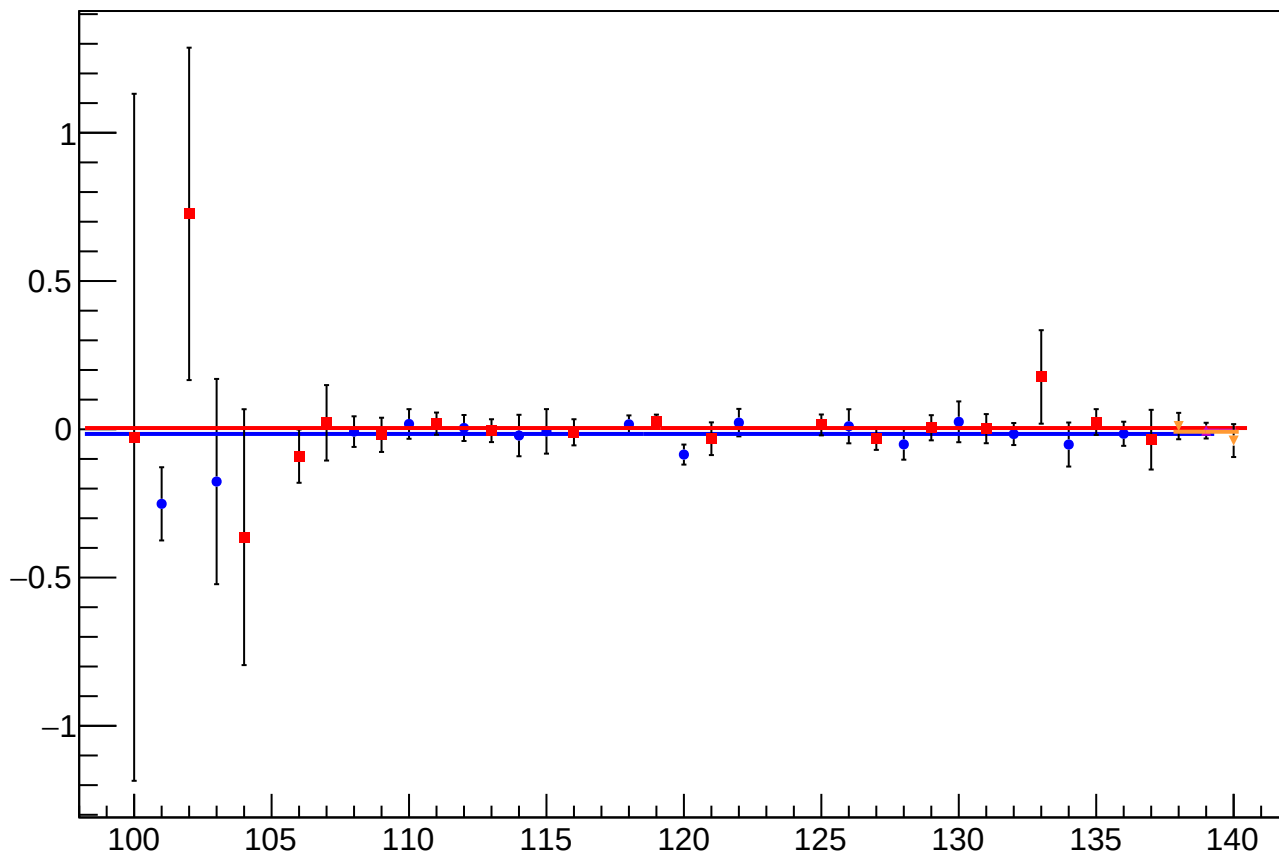
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2177330.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613305.1/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1181963.4/18

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.008 ± 0.035 χ^2/NDF : 0.5/1

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

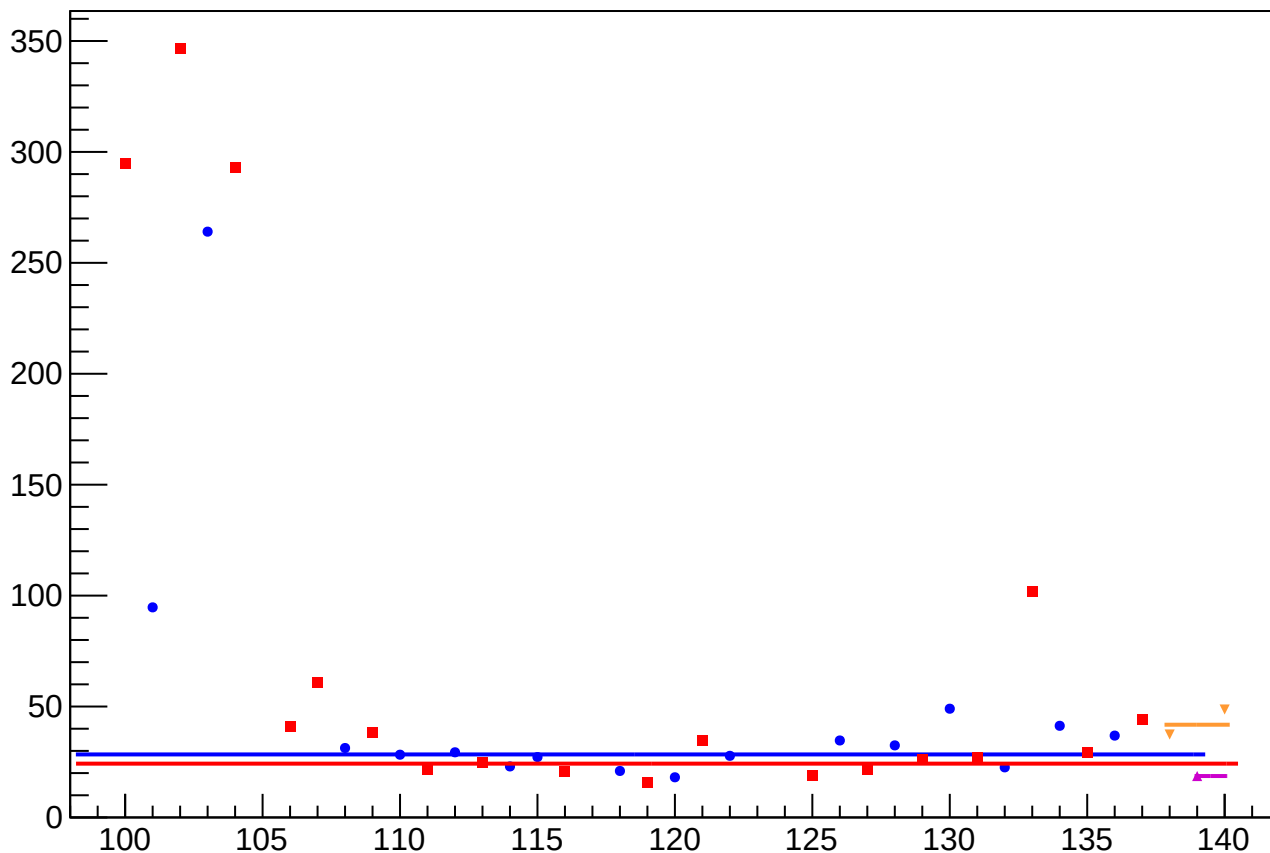
Left In: -0.005 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.005 ± 0.008 χ^2/NDF : 21.6/36

- sign 0.003 ± 0.011 χ^2/NDF : 7.9/18

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 0.009 χ^2 /NDF: 2245642.8/15

Left Out: 41.802 $\pm$ 0.025 χ^2 /NDF: 50110.1/1

Right Out: 24.255 $\pm$ 0.008 χ^2 /NDF: 2913469.3/17

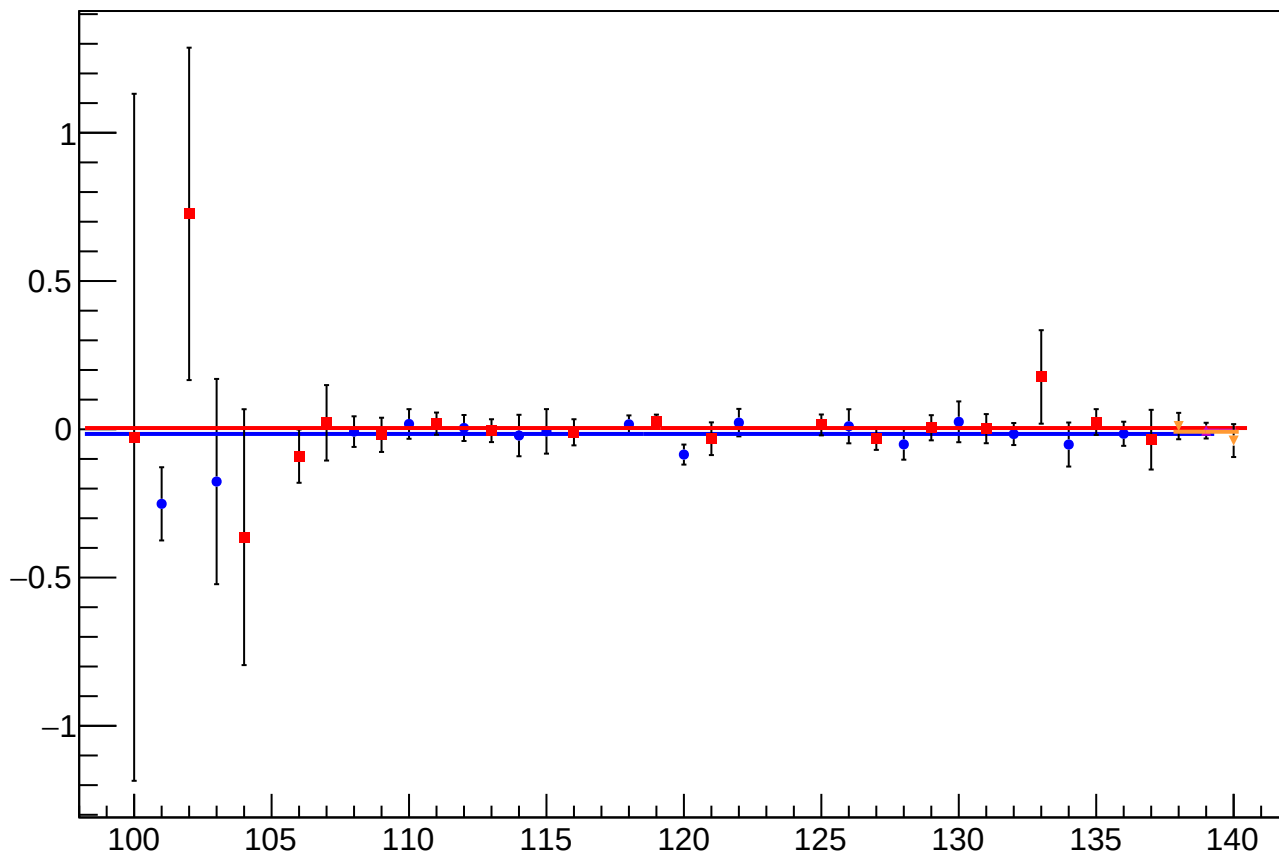
Left In: 18.671 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 29.906 $\pm$ 0.008 χ^2 /NDF: 2560078.6/17

All: 26.319 $\pm$ 0.006 χ^2 /NDF: 5896462.5/36

- sign 23.379 $\pm$ 0.007 χ^2 /NDF: 2988335.2/18

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.008 ± 0.035 χ^2/NDF : 0.5/1

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

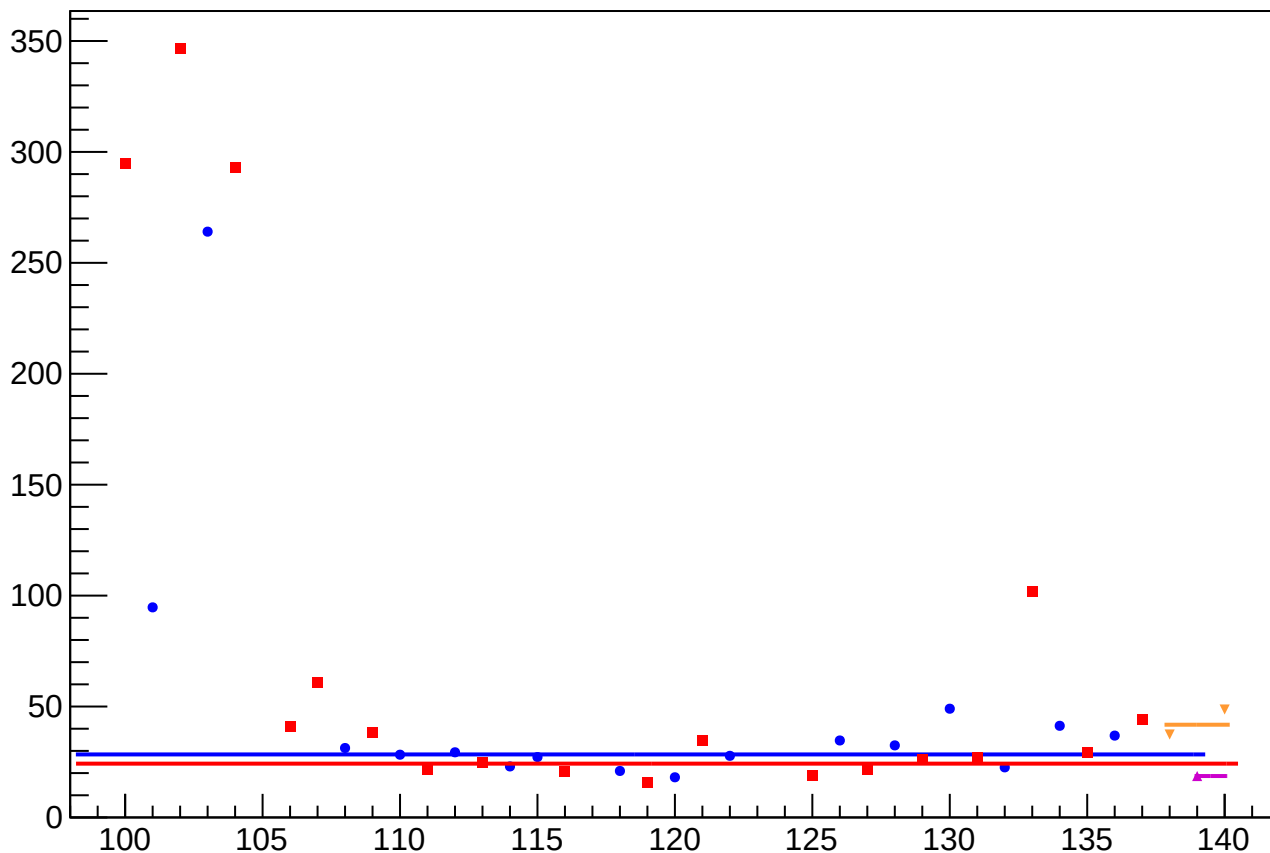
Left In: -0.005 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.005 ± 0.008 χ^2/NDF : 21.6/36

- sign 0.003 ± 0.011 χ^2/NDF : 7.9/18

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF : 2245642.8/15

Left Out: 41.802+/-0.025 χ^2/NDF : 50110.1/1

Right Out: 24.255+/-0.008 χ^2/NDF : 2913469.3/17

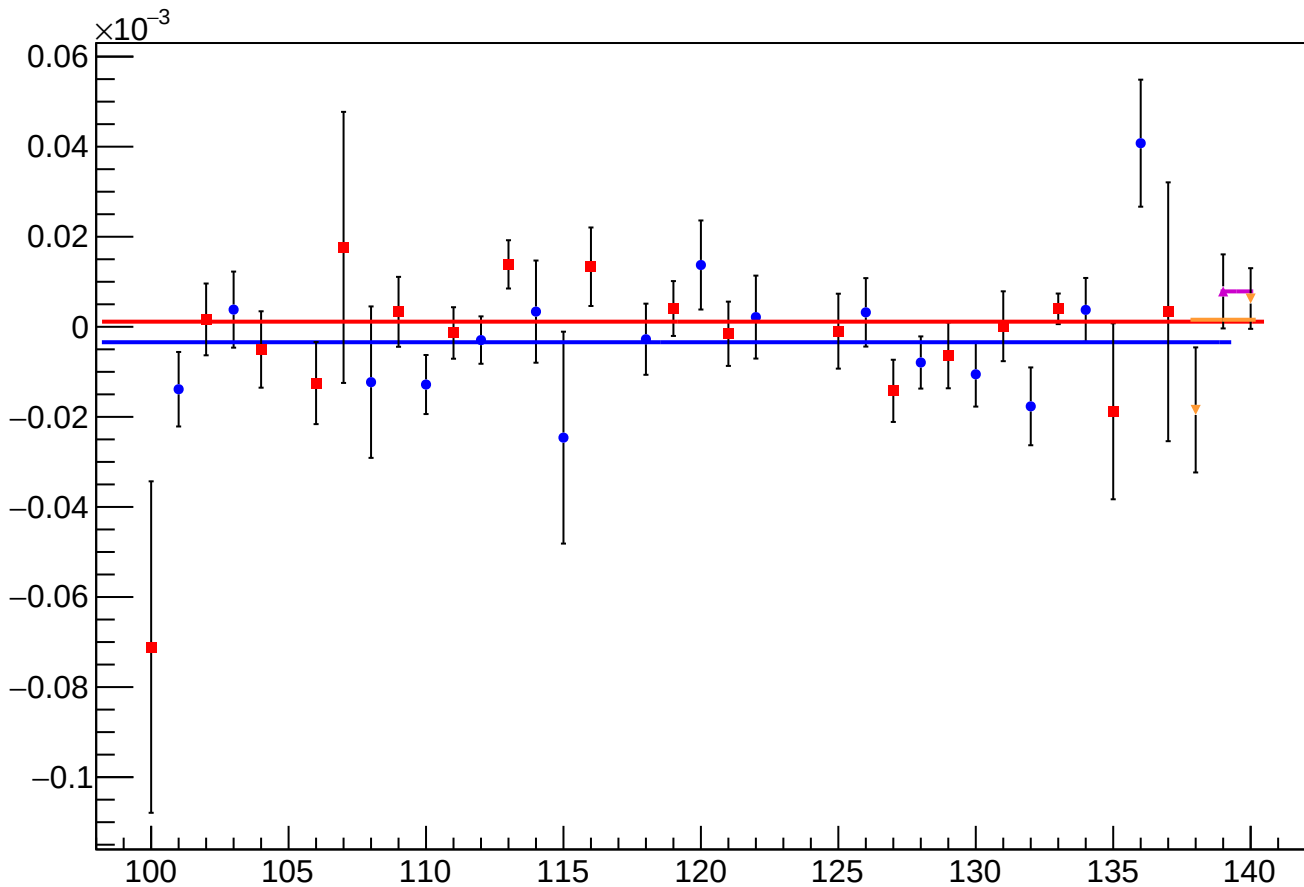
Left In: 18.671+/-0.019 χ^2/NDF : 0.0/0

+ sign 29.906+/-0.008 χ^2/NDF : 2560078.6/17

All: 26.319+/-0.006 χ^2/NDF : 5896462.5/36

- sign 23.379+/-0.007 χ^2/NDF : 2988335.2/18

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.6/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.0/17

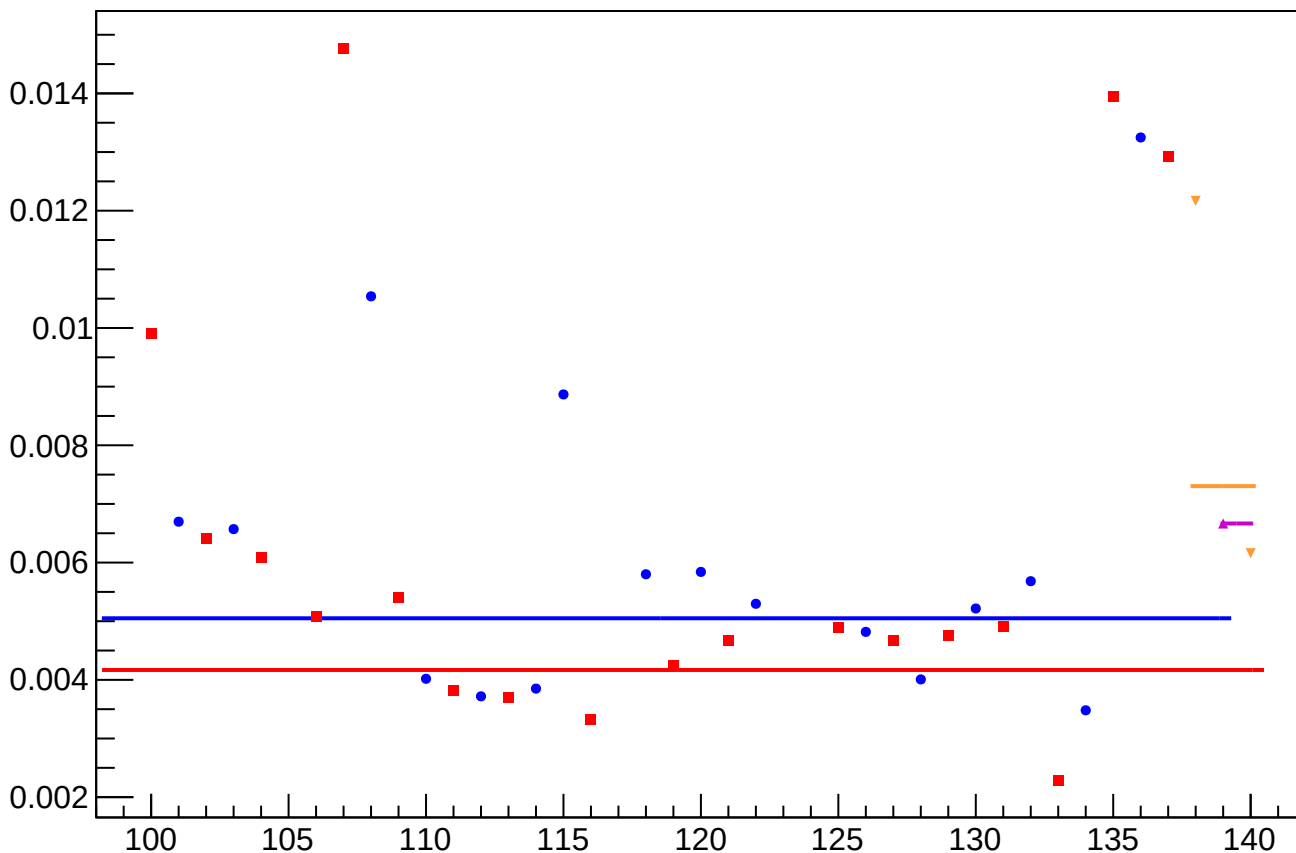
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 28.3/17

All: -0.000 ± 0.000 χ^2/NDF : 54.8/36

- sign 0.000 ± 0.000 χ^2/NDF : 23.6/18

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1494215.1/15

Left Out: 0.007+/-0.000 χ^2/NDF :302986.8/1

Right Out: 0.004+/-0.000 χ^2/NDF : 2041975.6/17

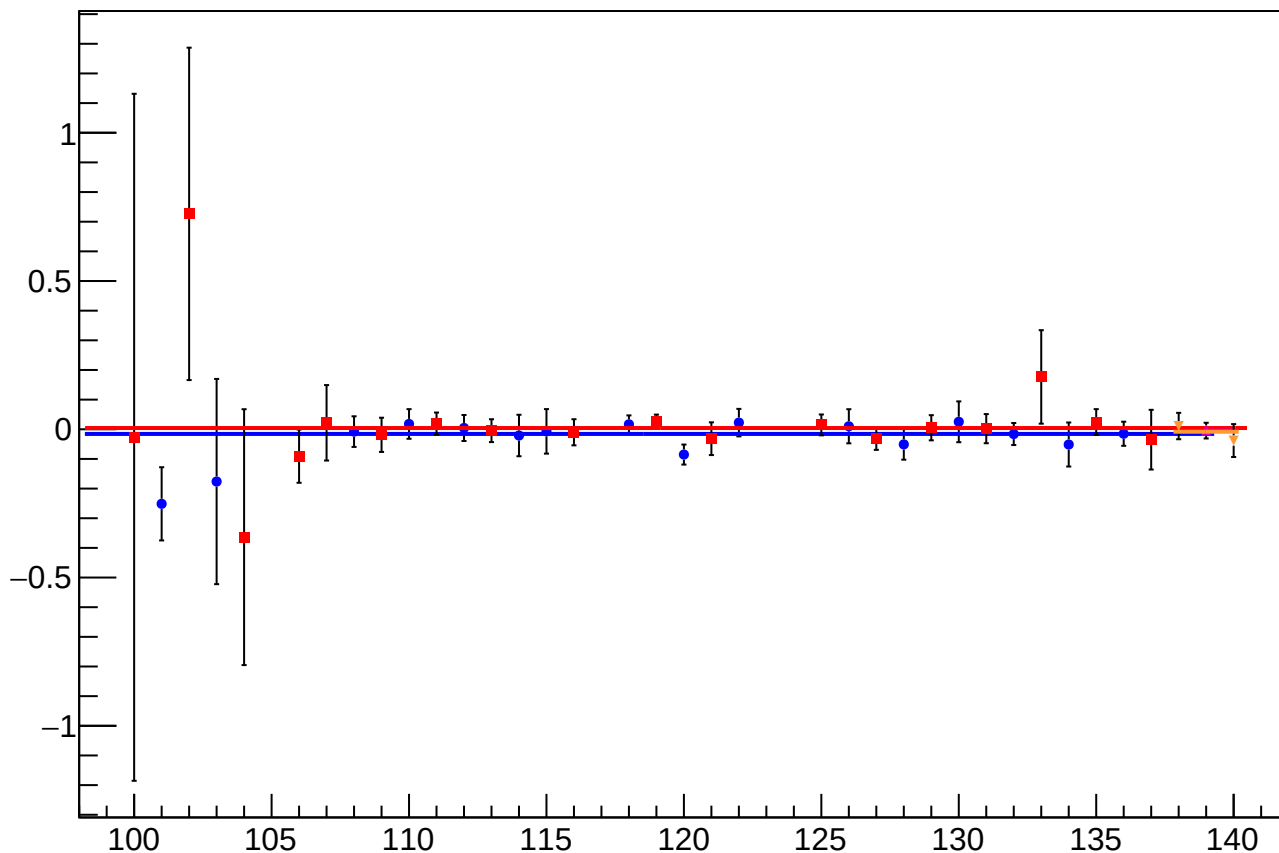
Left In: 0.007+/-0.000 χ^2/NDF :0.0/0

+ sign 0.005+/-0.000 χ^2/NDF : 2045999.1/17

All: 0.005+/-0.000 χ^2/NDF : 4578195.5/36

- sign 0.004+/-0.000 χ^2/NDF : 2218996.1/18

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.008 ± 0.035 χ^2/NDF : 0.5/1

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

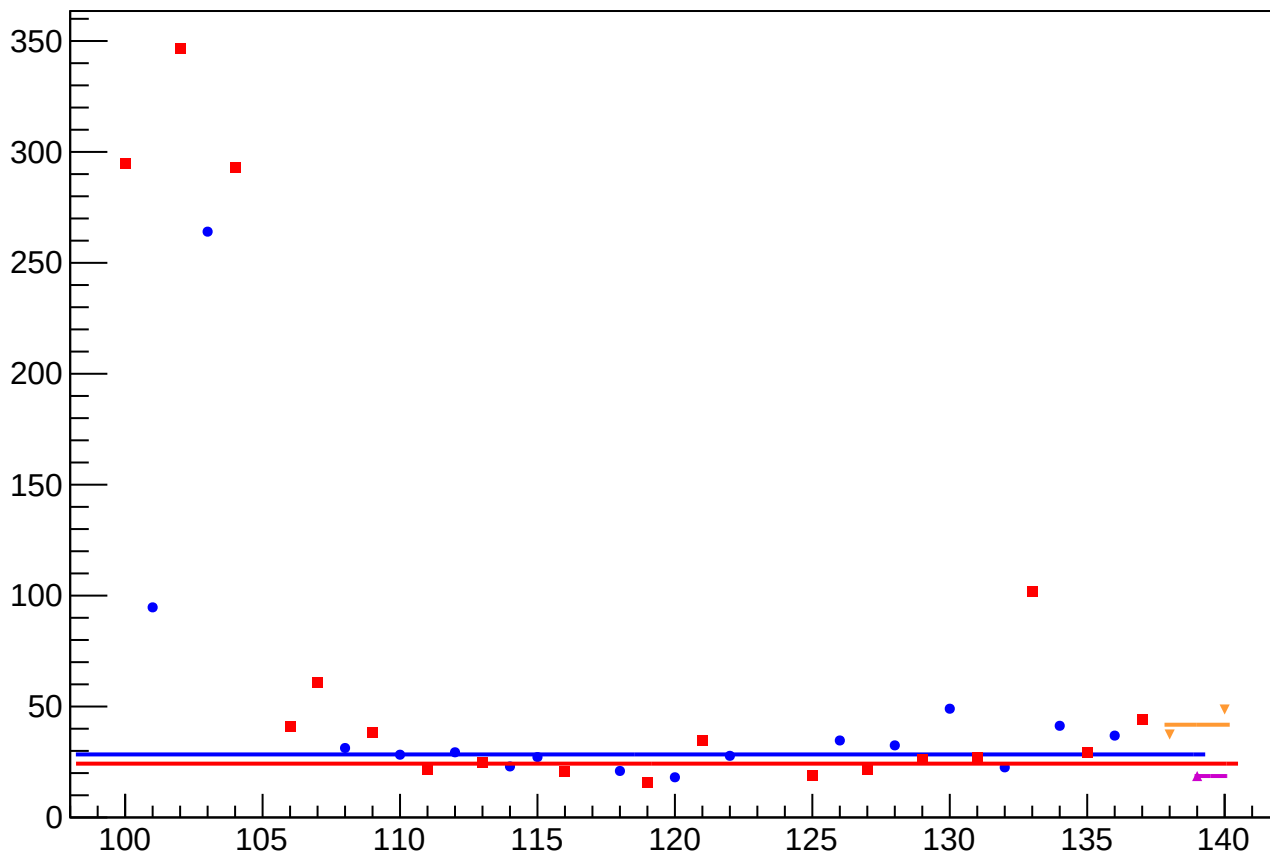
Left In: -0.005 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.005 ± 0.008 χ^2/NDF : 21.6/36

- sign 0.003 ± 0.011 χ^2/NDF : 7.9/18

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF : 2245663.3/15

Left Out: 41.803+/-0.025 χ^2/NDF : 50147.5/1

Right Out: 24.254+/-0.008 χ^2/NDF : 2913710.0/17

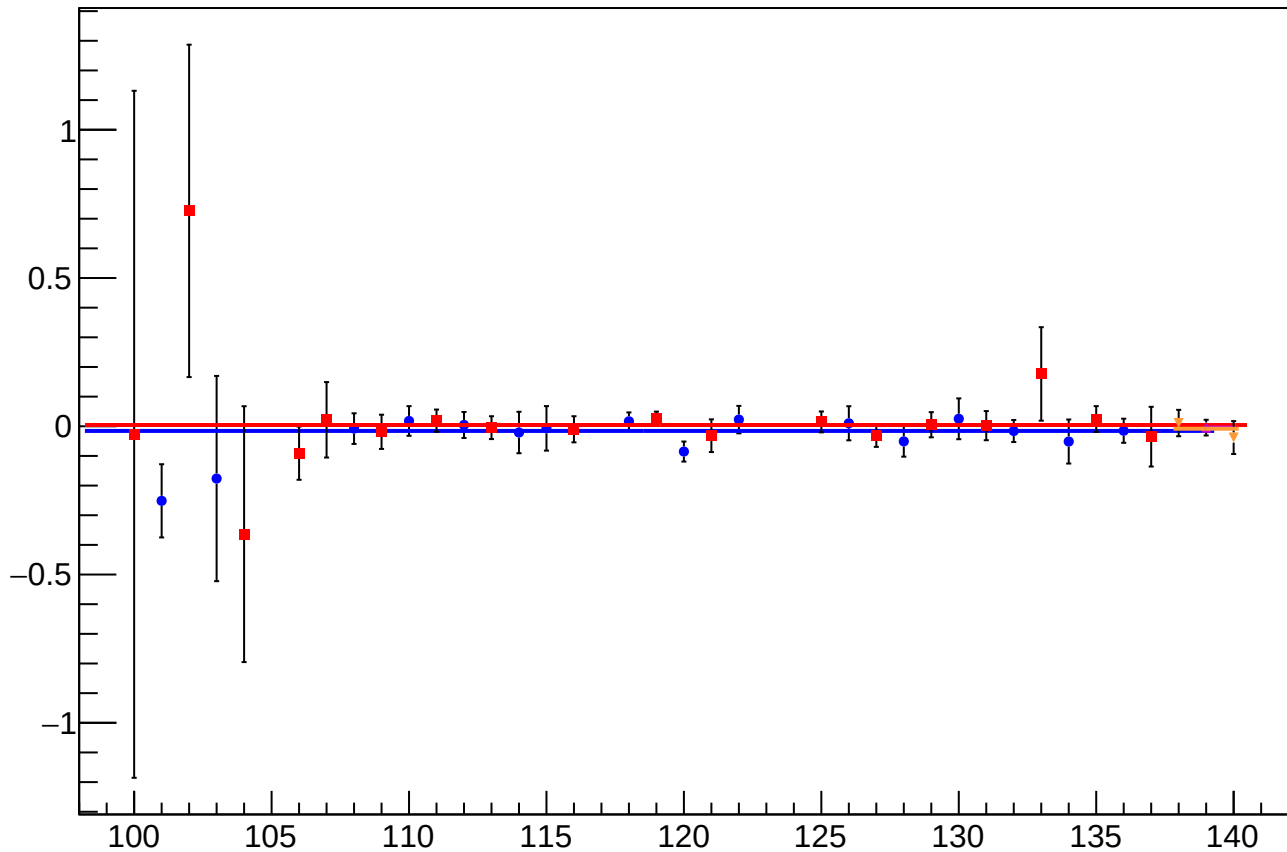
Left In: 18.669+/-0.019 χ^2/NDF : 0.0/0

+ sign 29.906+/-0.008 χ^2/NDF : 2560170.0/17

All: 26.317+/-0.006 χ^2/NDF : 5897035.6/36

- sign 23.377+/-0.007 χ^2/NDF : 2988611.3/18

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.008 ± 0.035 χ^2/NDF : 0.5/1

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

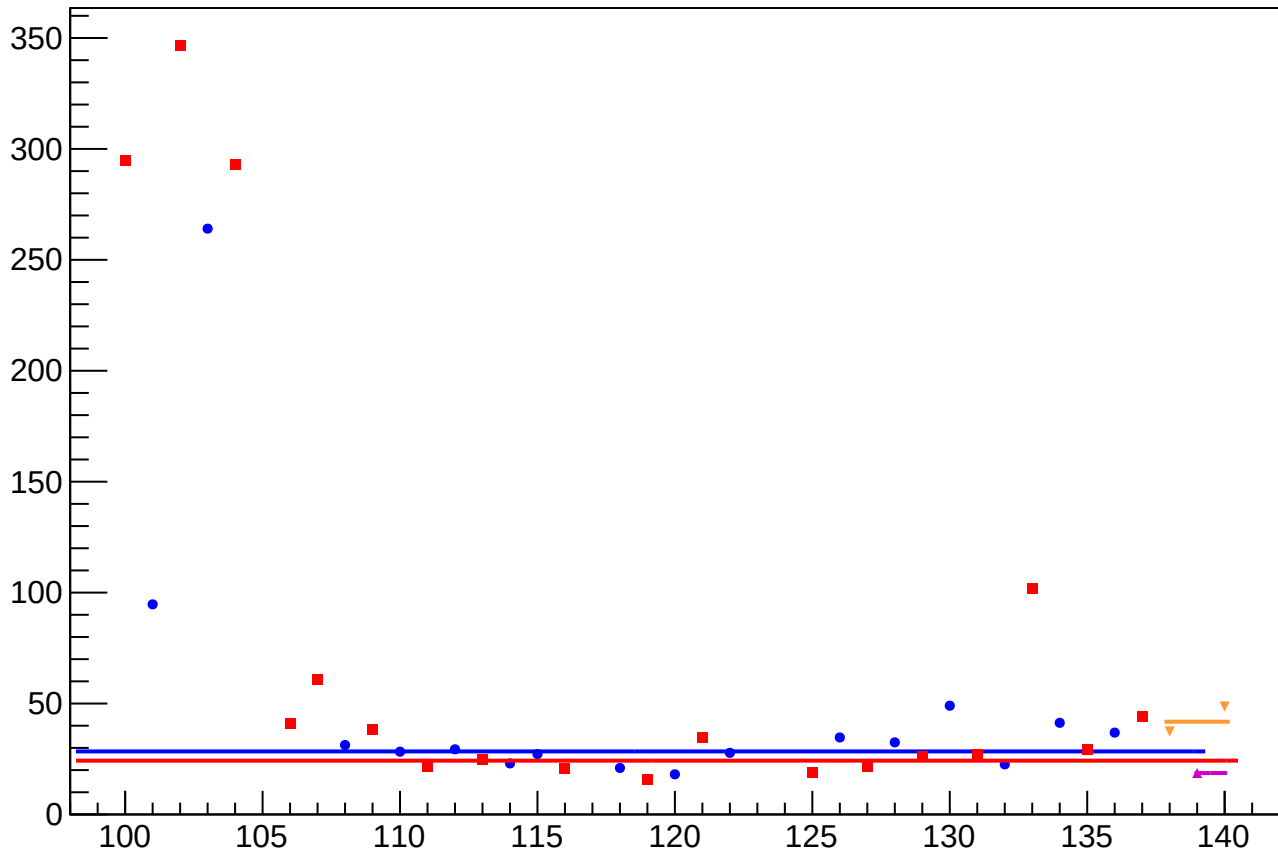
Left In: -0.005 ± 0.026 χ^2/NDF : 0.0/0

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.005 ± 0.008 χ^2/NDF : 21.6/36

- sign 0.003 ± 0.011 χ^2/NDF : 7.9/18

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 0.009 χ^2 /NDF: 2245663.3/15

Left Out: 41.803 $\pm$ 0.025 χ^2 /NDF: 50147.5/1

Right Out: 24.254 $\pm$ 0.008 χ^2 /NDF: 2913710.0/17

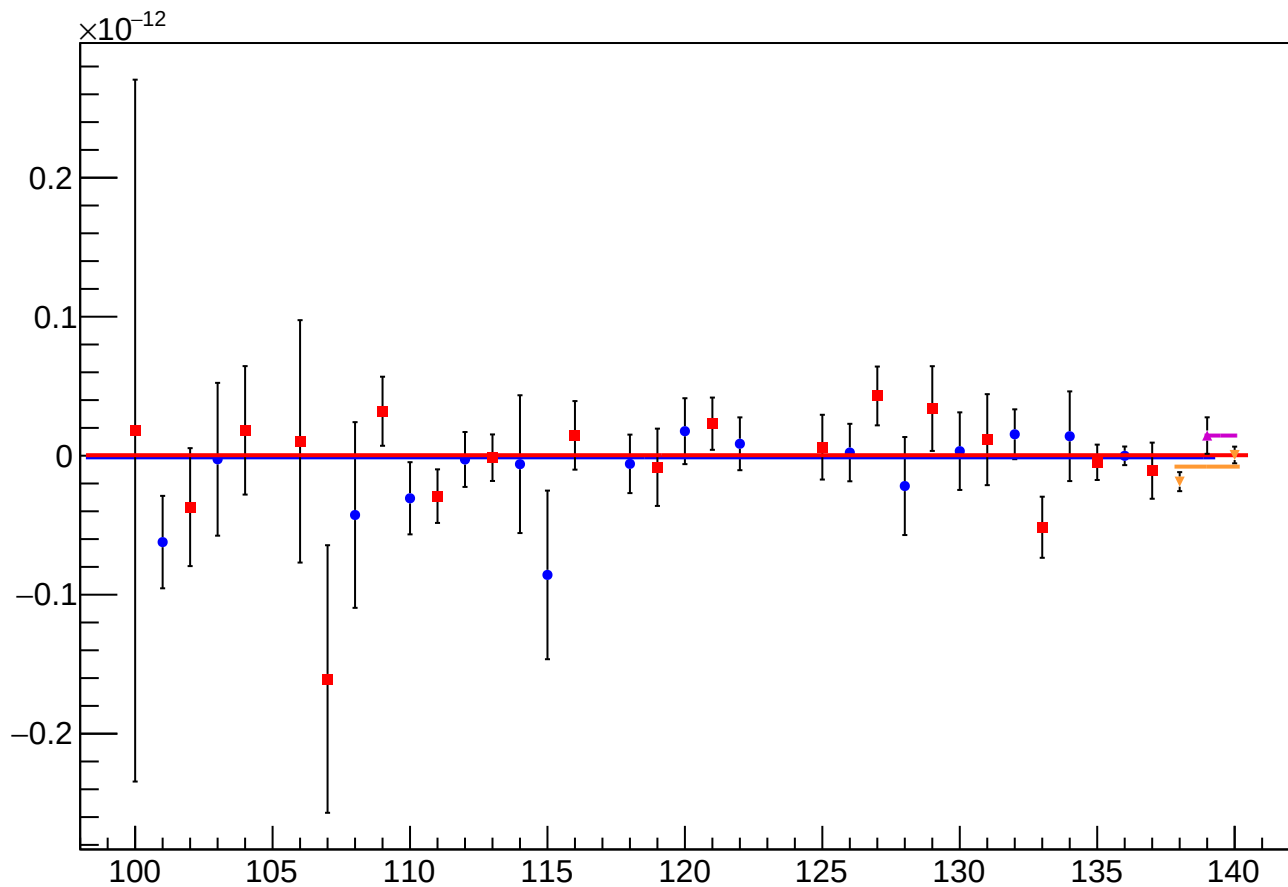
Left In: 18.669 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 29.906 $\pm$ 0.008 χ^2 /NDF: 2560170.0/17

All: 26.317 $\pm$ 0.006 χ^2 /NDF: 5897035.6/36

- sign 23.377 $\pm$ 0.007 χ^2 /NDF: 2988611.3/18

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 4.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/17

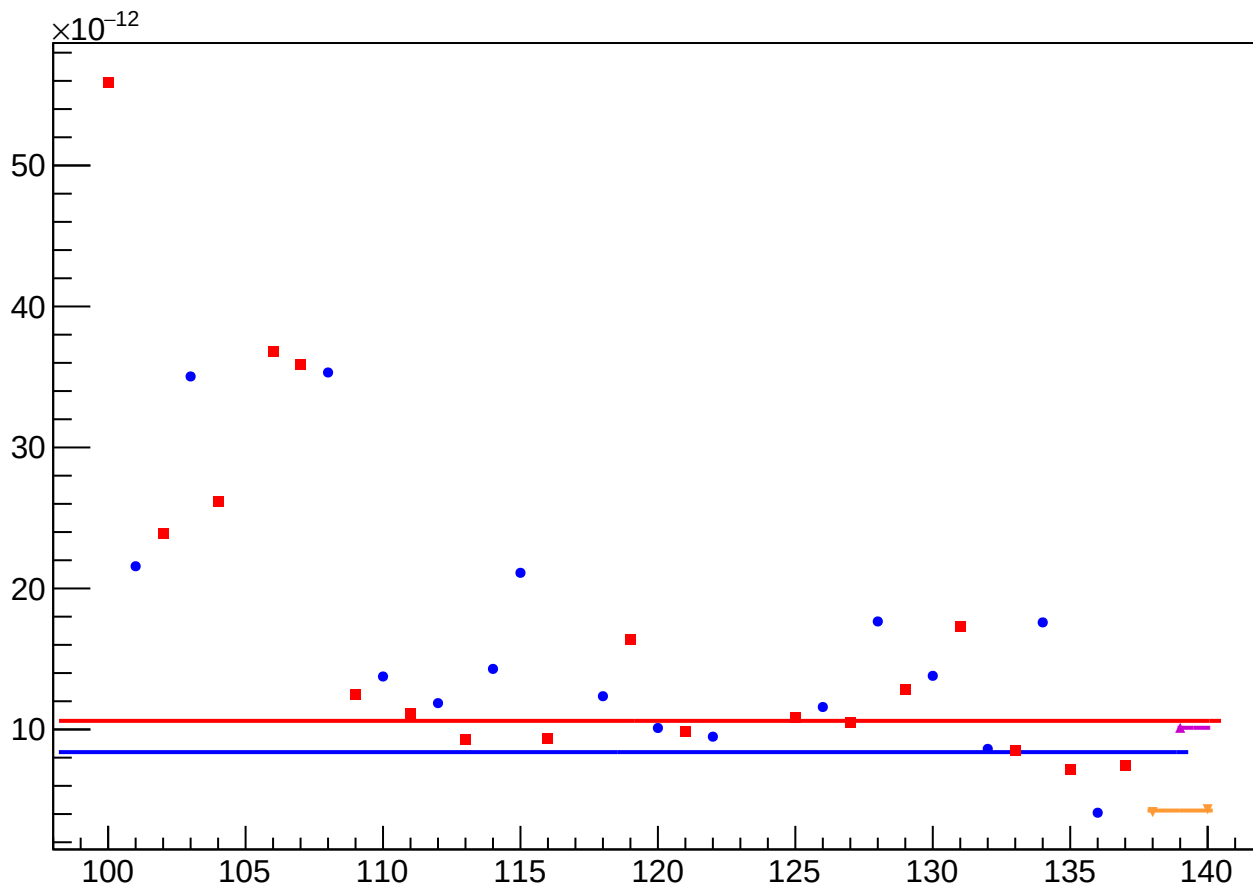
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.0/18

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2710106.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:974.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1233909.7/17

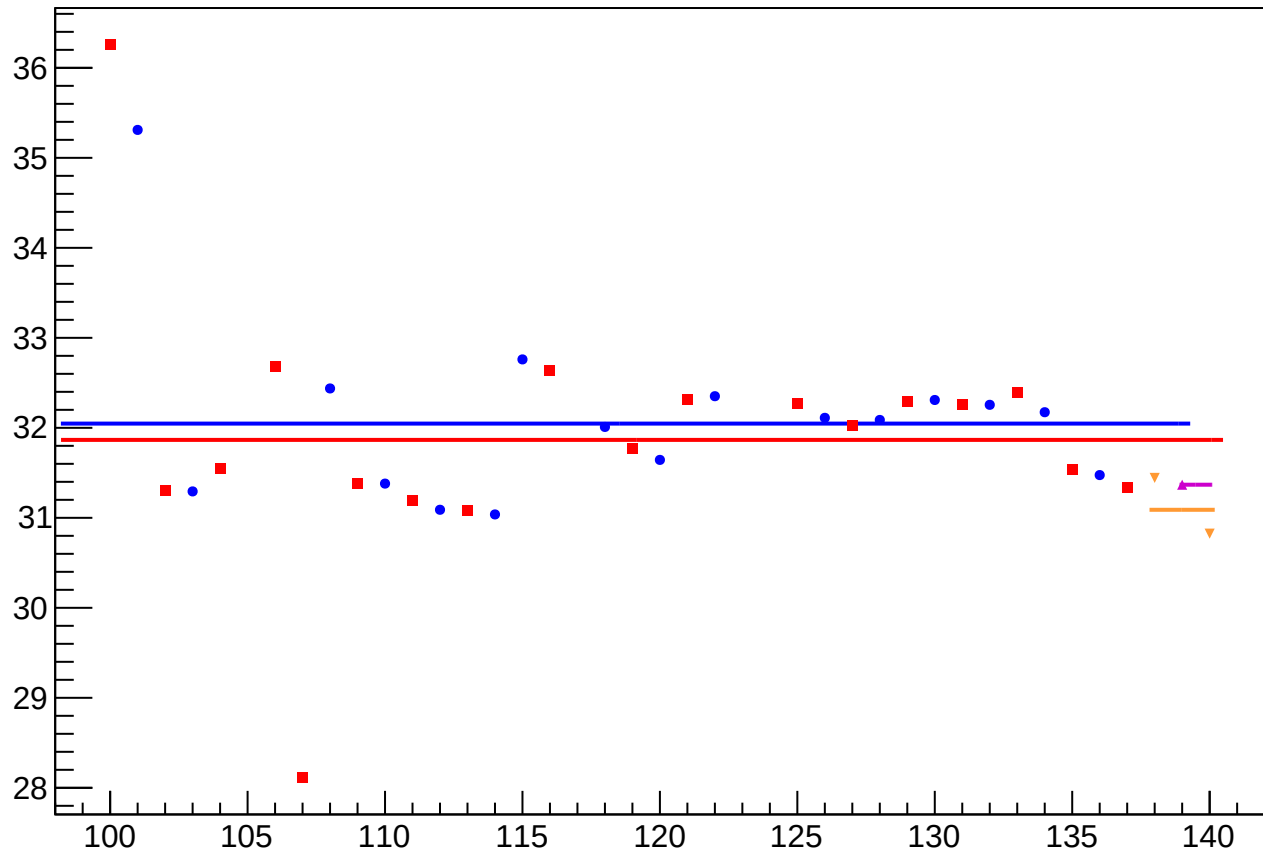
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3504955.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5742152.0/36

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1236272.7/18

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2 /NDF: 898593424.6/15

Left Out: 31.089+/-0.000 χ^2 /NDF:15417834.3/1

Right Out: 31.866+/-0.000 χ^2 /NDF: 485941075.6/17

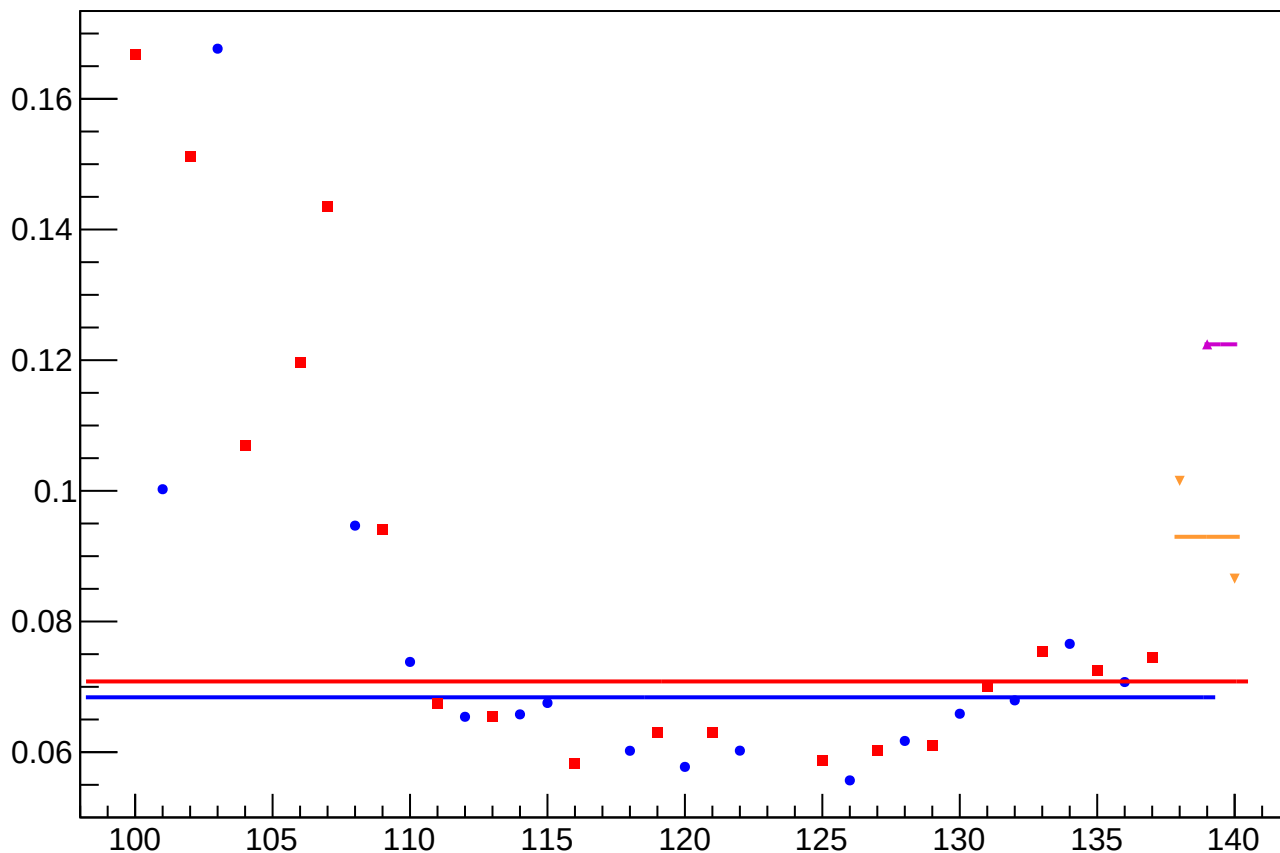
Left In: 31.368+/-0.000 χ^2 /NDF:0.0/0

+ sign 31.942+/-0.000 χ^2 /NDF: 1048146718.5/17

All: 31.898+/-0.000 χ^2 /NDF: 1553076632.6/3

- sign 31.846+/-0.000 χ^2 /NDF: 498434730.5/18

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 703207.9/15

Left Out: 0.093 $\pm$ 0.000 χ^2 /NDF:18012.1/1

Right Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 868237.4/17

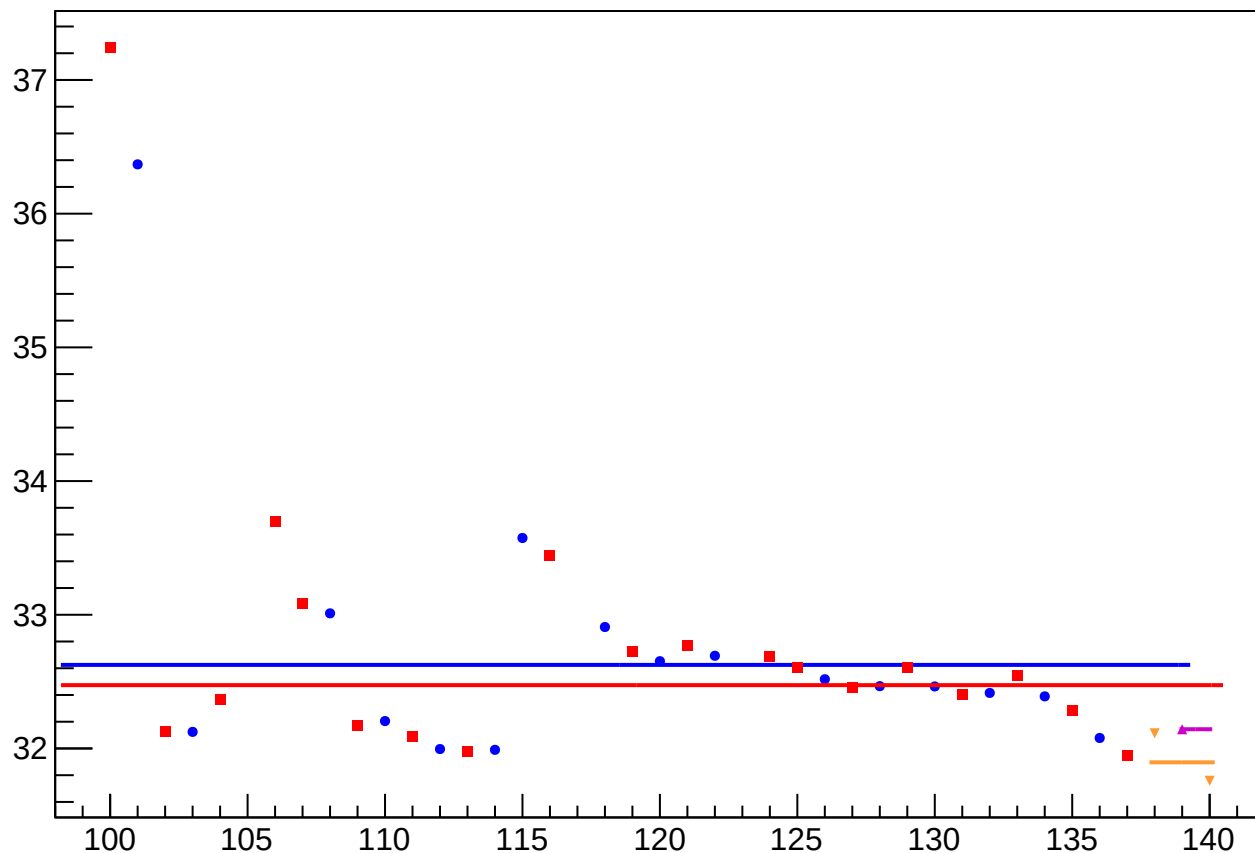
Left In: 0.122 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 897712.8/17

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 2038953.7/36

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 1136555.7/18

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF : 739141163.5/15

Left Out: 31.896+/-0.000 χ^2/NDF : 5457937.0/1

Right Out: 32.474+/-0.000 χ^2/NDF : 156801553.7/18

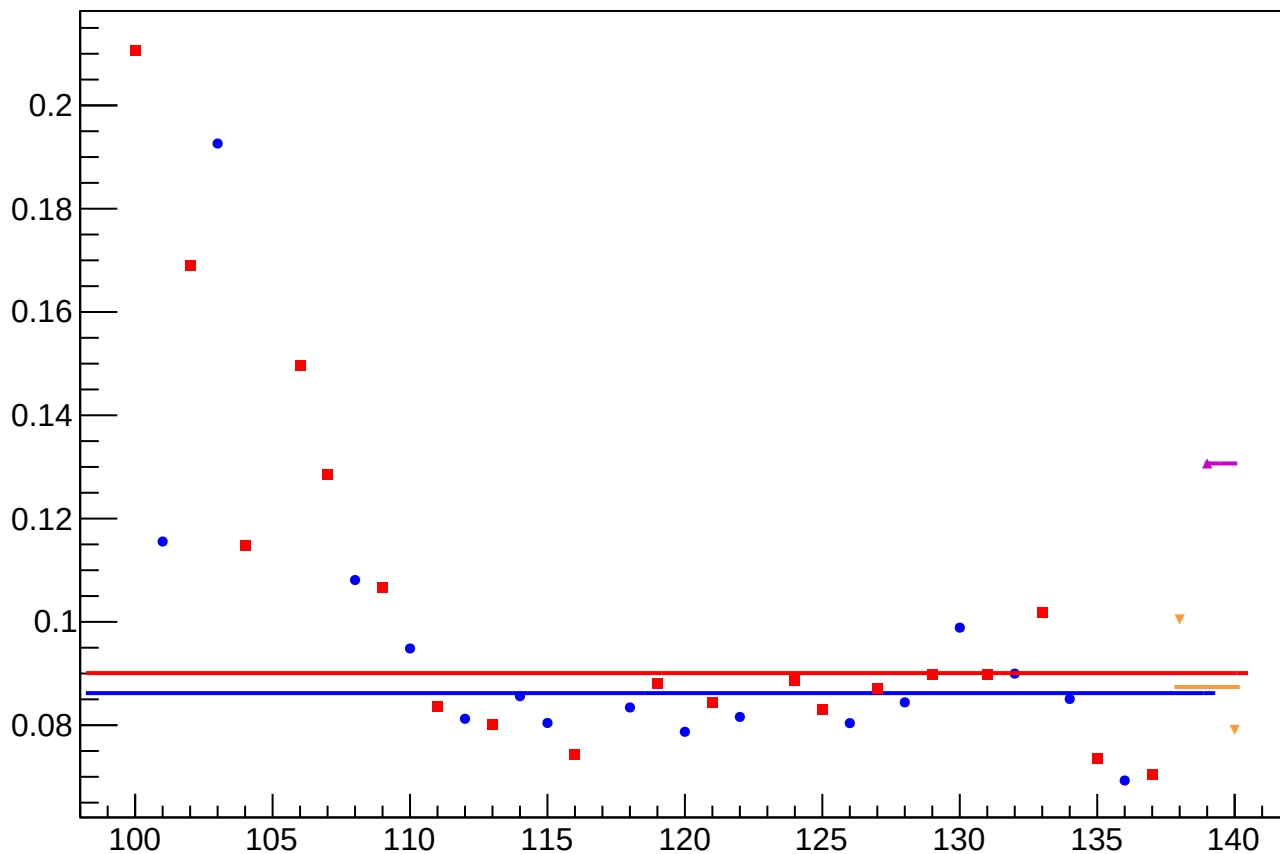
Left In: 32.144+/-0.000 χ^2/NDF : 0.0/0

+ sign 32.496+/-0.000 χ^2/NDF : 824177496.0/17

All: 32.477+/-0.000 χ^2/NDF : 986655466.2/37

- sign 32.455+/-0.000 χ^2/NDF : 161704320.7/19

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 598718.4/15

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 39554.7/1

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 621848.1/18

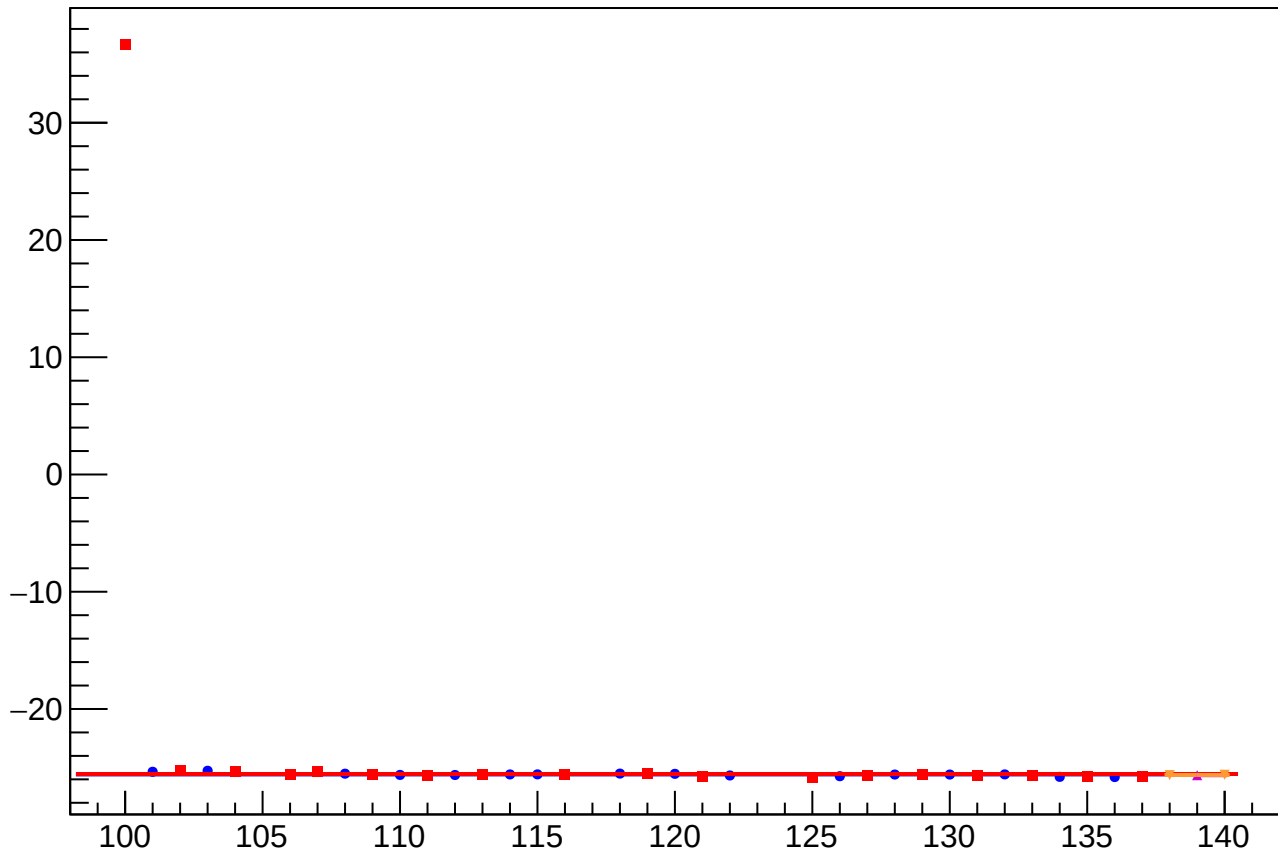
Left In: 0.131 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 638697.5/17

All: 0.089 $\pm$ 0.000 χ^2 /NDF: 1442201.9/37

- sign 0.092 $\pm$ 0.000 χ^2 /NDF: 770497.8/19

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF : 98389255.1/15

Left Out: -25.625+/-0.000 χ^2/NDF : 203153.1/1

Right Out: -25.544+/-0.000 χ^2/NDF : 8907540506.8/17

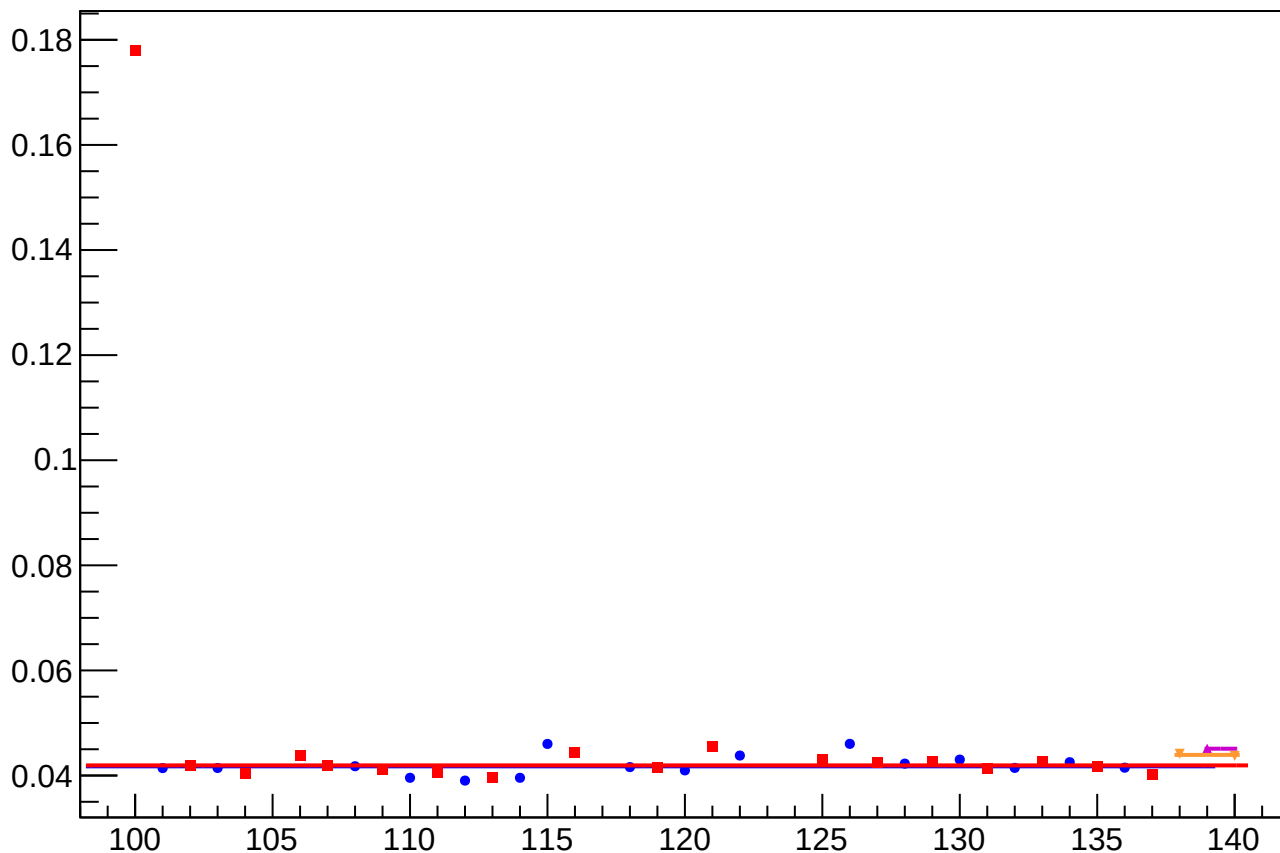
Left In: -25.645+/-0.000 χ^2/NDF : 0.0/0

+ sign -25.587+/-0.000 χ^2/NDF : 100063259.4/17

All: -25.571+/-0.000 χ^2/NDF : 9014146267.3/18

- sign -25.553+/-0.000 χ^2/NDF : 8911383917.7/18

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 20733.3/15

Left Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 68.6/1

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 100140.4/17

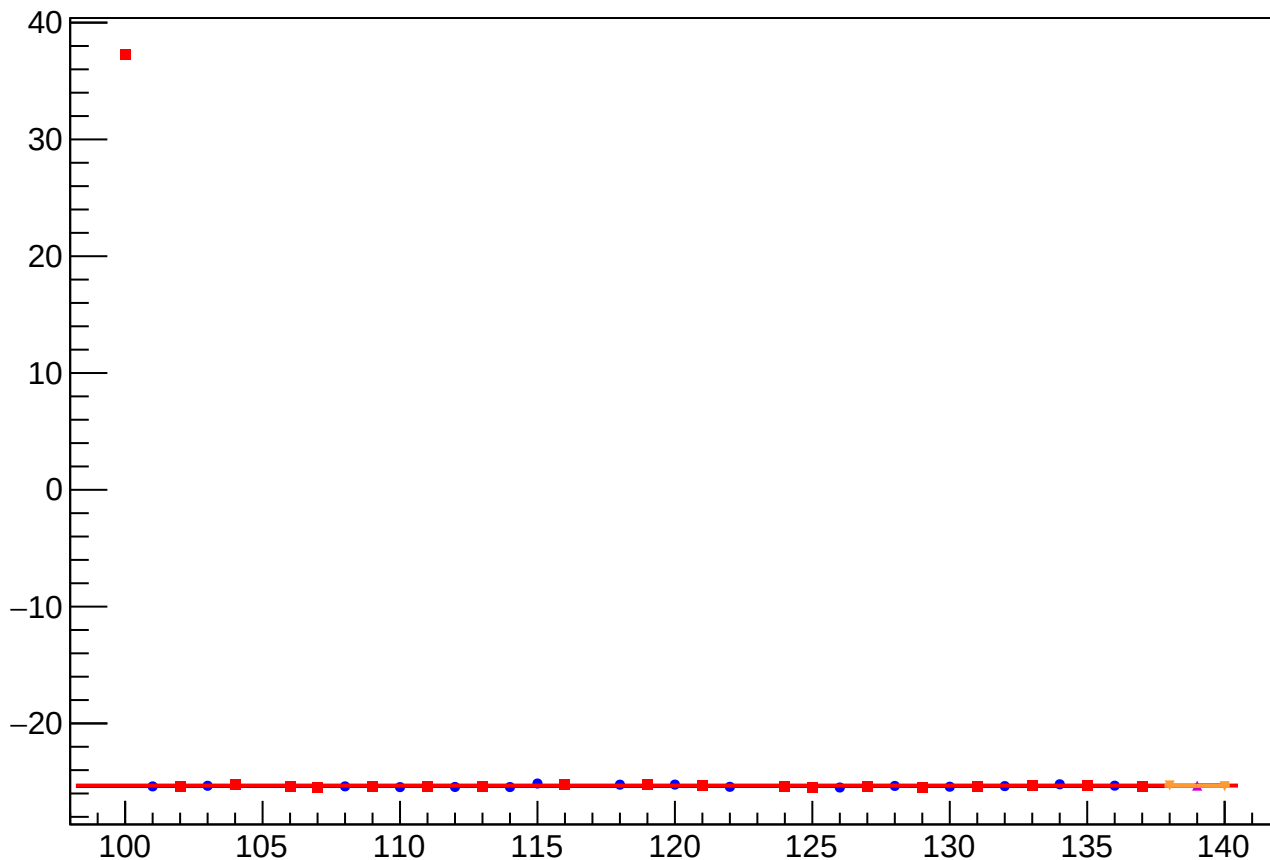
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.042 $\pm$ 0.000 χ^2 /NDF: 27356.2/17

All: 0.042 $\pm$ 0.000 χ^2 /NDF: 135038.3/36

- sign 0.042 $\pm$ 0.000 χ^2 /NDF: 107634.4/18

yield_dsr_mean vs Slug



Right In: -25.360 ± 0.000 $\chi^2/\text{NDF}: 13284405.9/15$

Left Out: -25.344 ± 0.000 $\chi^2/\text{NDF}: 495179.1/1$

Right Out: -25.322 ± 0.000 $\chi^2/\text{NDF}: 6314907036.5/18$

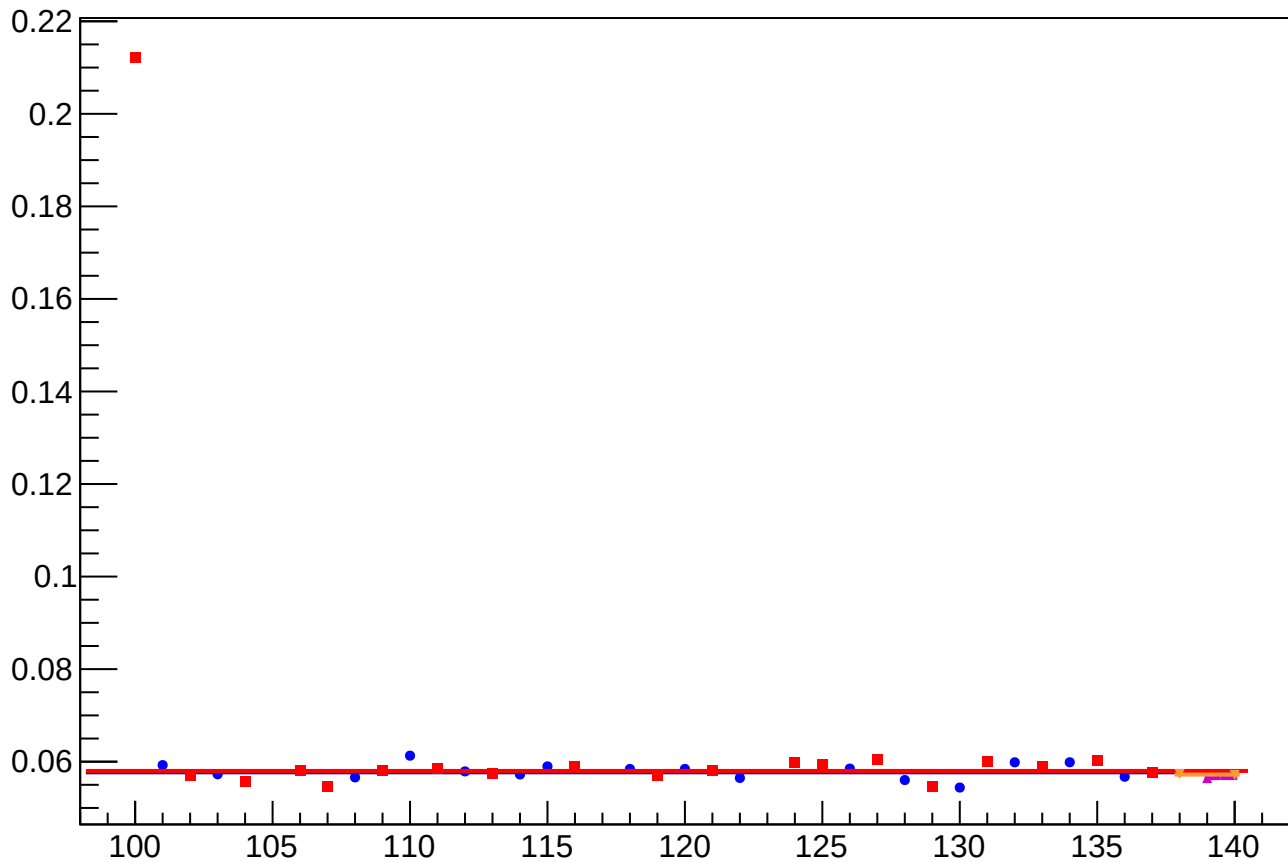
Left In: -25.325 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

+ sign -25.357 ± 0.000 $\chi^2/\text{NDF}: 13878918.0/17$

All: -25.340 ± 0.000 $\chi^2/\text{NDF}: 6330301686.8/19$

- sign -25.322 ± 0.000 $\chi^2/\text{NDF}: 6314909162.6/19$

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 : 9.7/1

Right Out: 0.058+/-0.000 χ^2/NDF : 88682.9/18

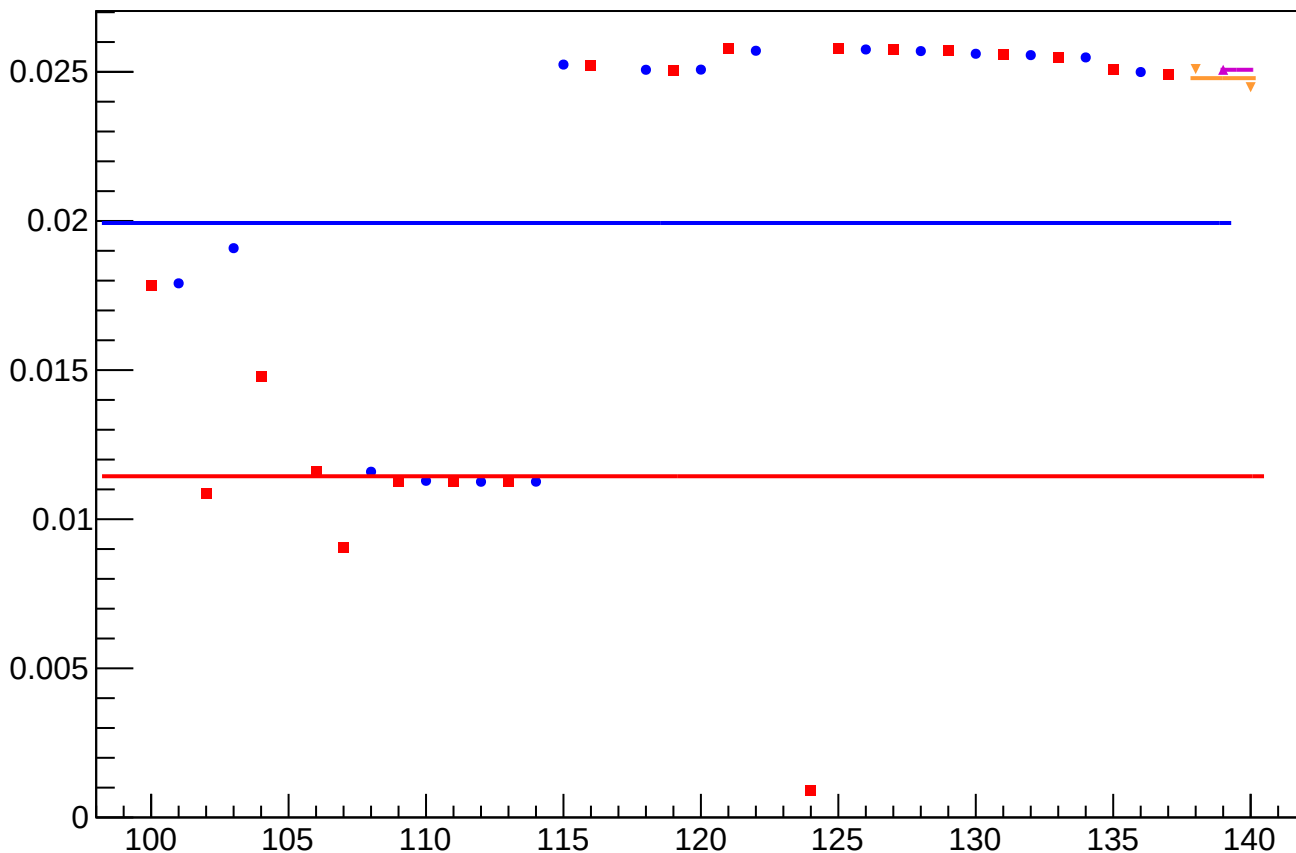
Left In: 0.056+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.058+/-0.000 χ^2/NDF : 11956.8/17

All: 0.058+/-0.000 χ^2/NDF : 101844.9/37

- sign 0.058+/-0.000 χ^2/NDF : 89764.4/19

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 62465154056.0/15

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 22518627.0/1

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 253880264851.8/18

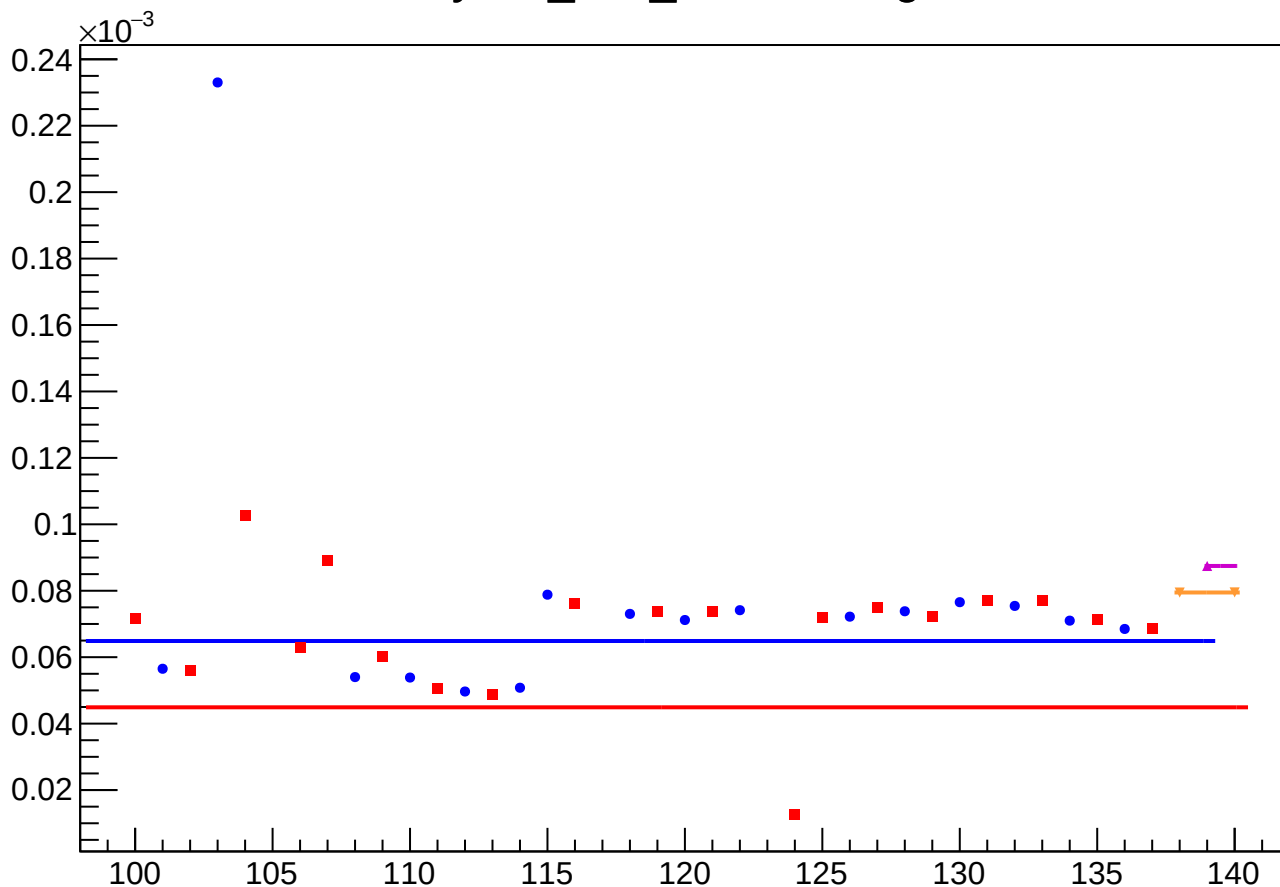
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 67432169124.3/17

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 419055749449.2

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 272633610744.2/19

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 : 0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3770565.9/18

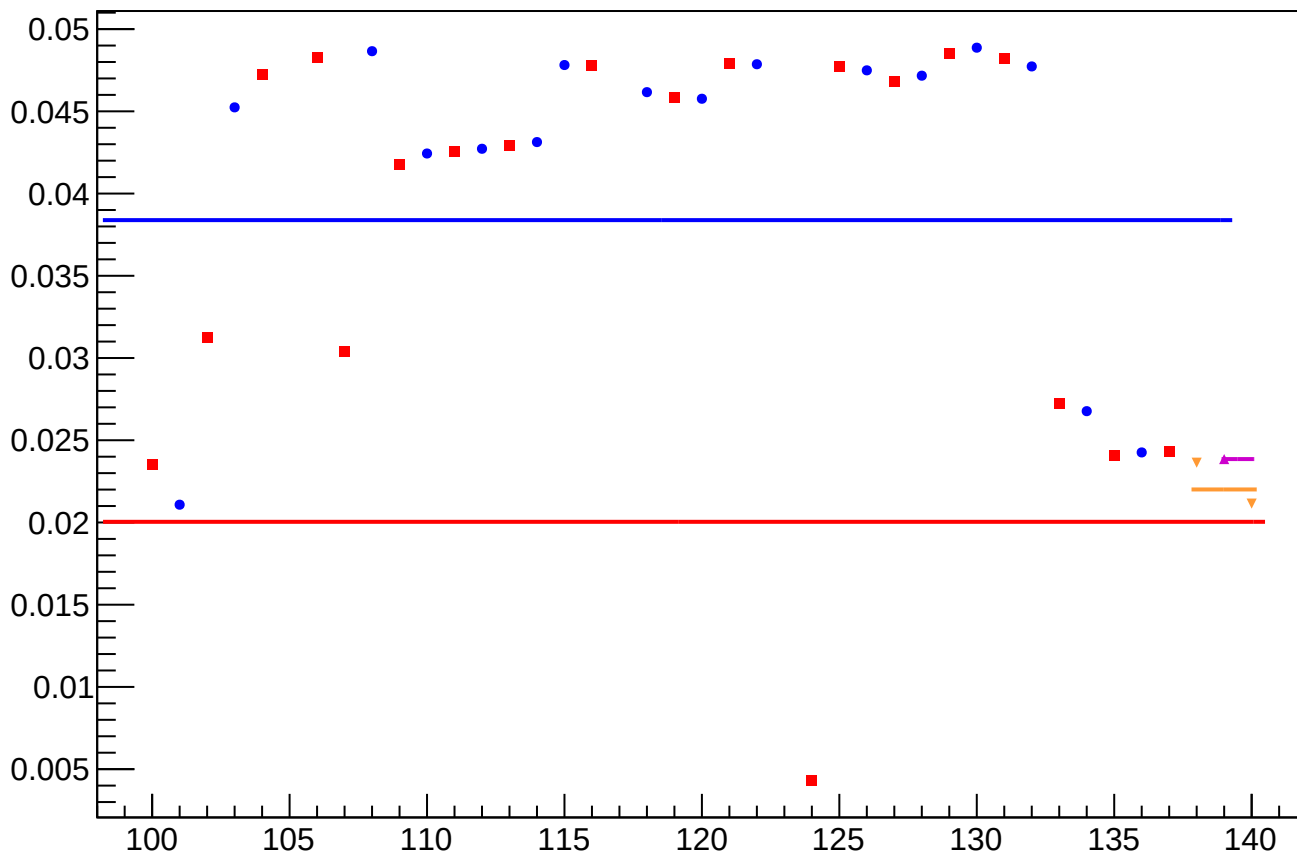
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 906319.8/17

All: 0.000+/-0.000 χ^2/NDF : 5916437.8/37

- sign 0.000+/-0.000 χ^2/NDF : 4136223.0/19

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 7078619233.3/15

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 23607359.1/1

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 42185025429.6/18

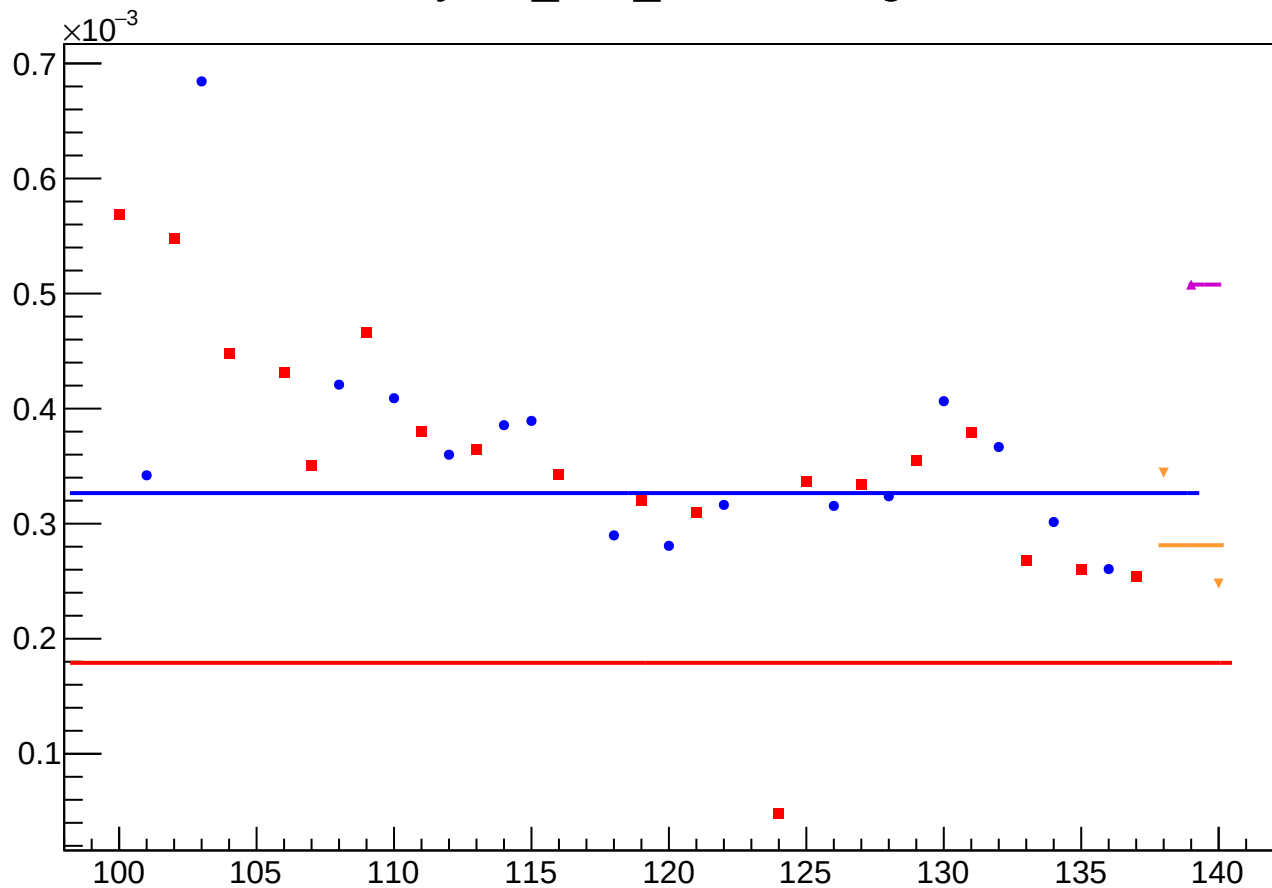
Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 10621429072.9/17

All: 0.026 $\pm$ 0.000 χ^2 /NDF: 62964016667.9/3

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 42229087176.3/19

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 581428.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 70830.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5660786.3/18

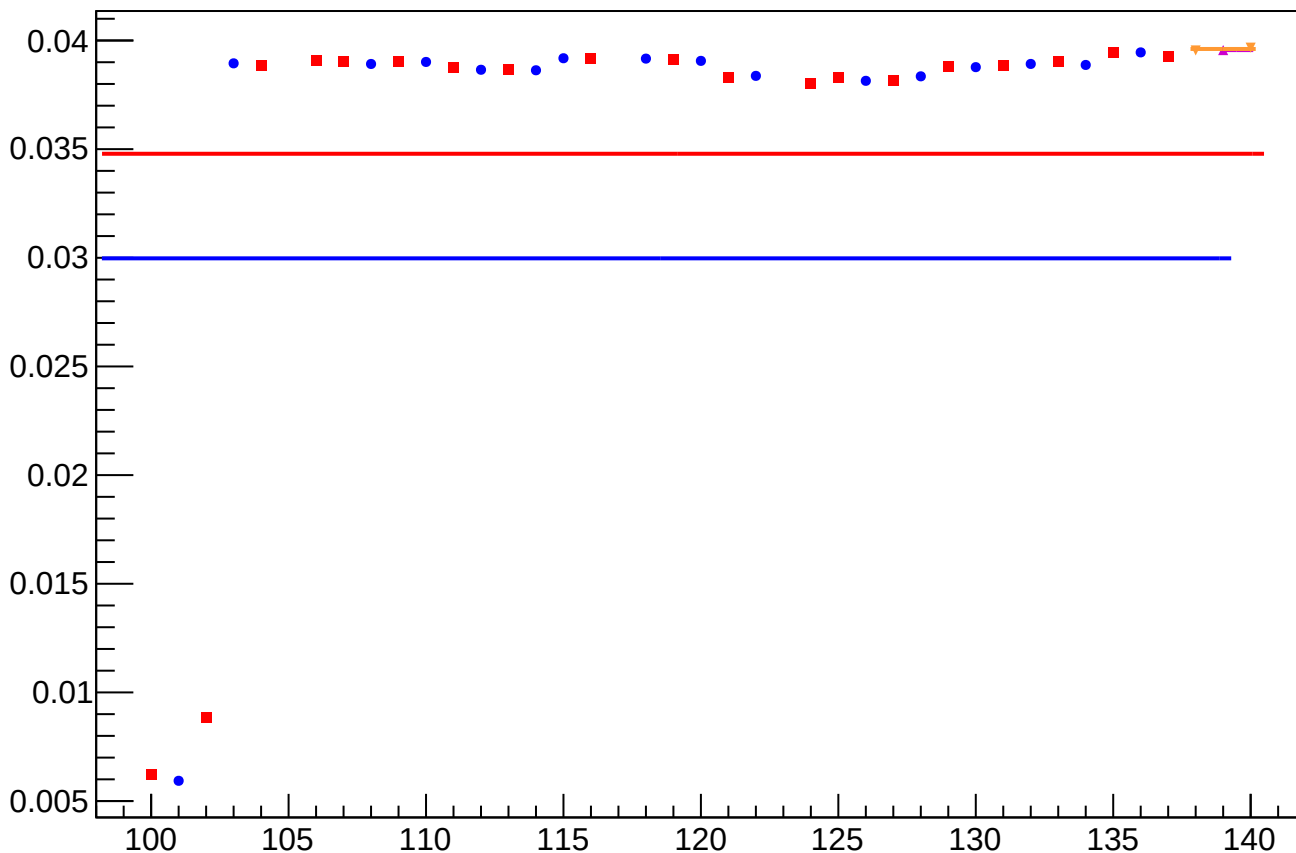
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 706110.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8604034.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6315119.3/19

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 108275706275.7/15

Left Out: 0.040 $\pm$ 0.000 χ^2 /NDF:296558.8/1

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 47263545471.6/18

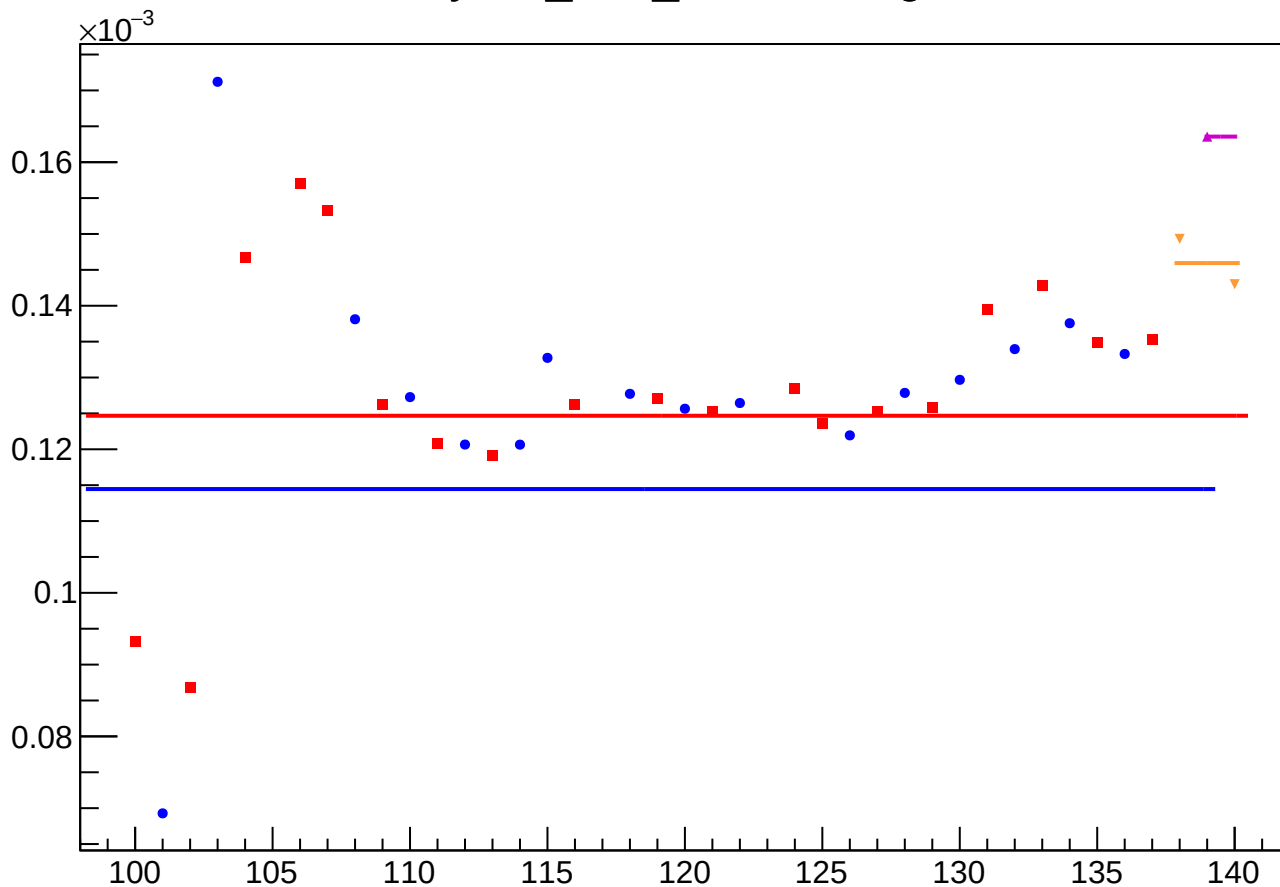
Left In: 0.040 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 114178857644.8/17

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 166108575719.9

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 47920423254.3/19

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 853142.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1443.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 260393.6/18

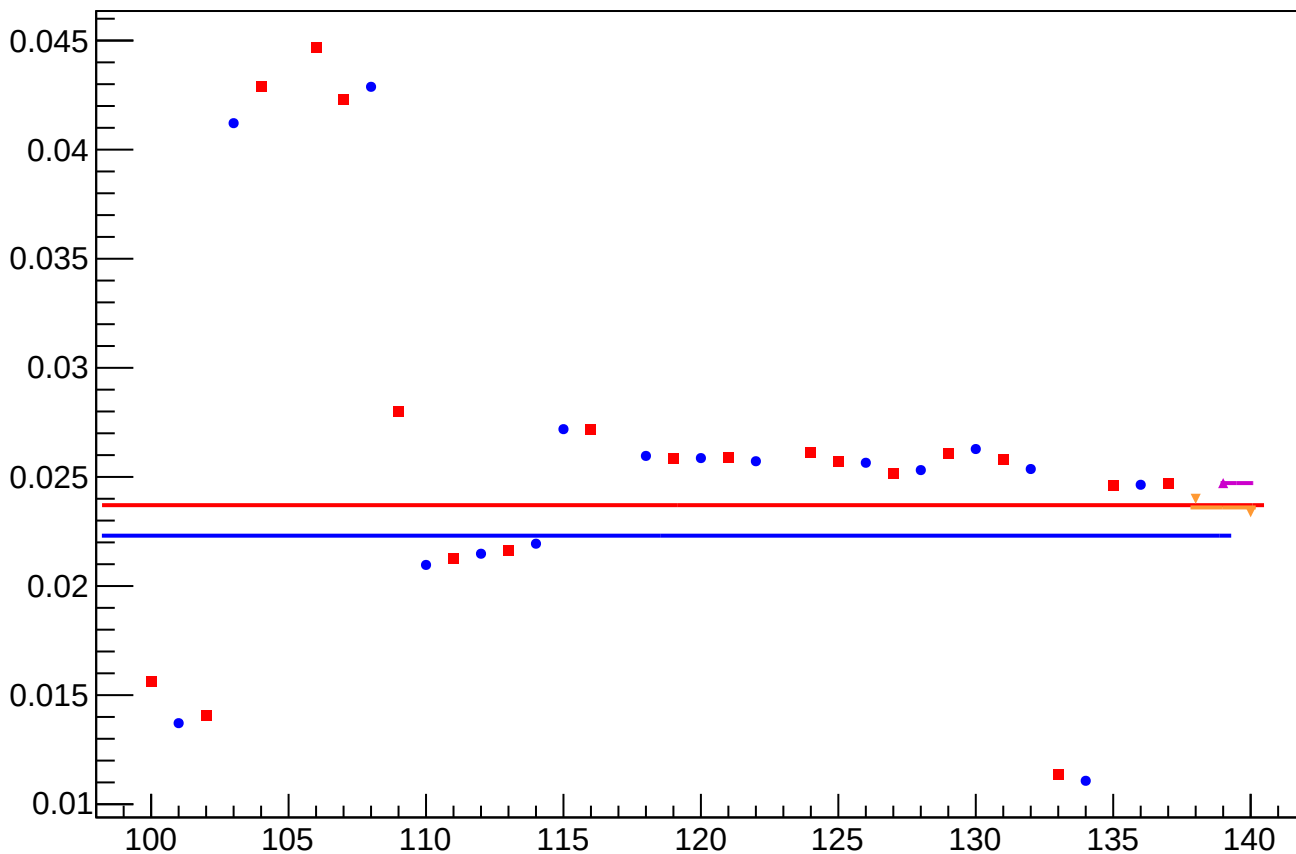
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 980671.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1368749.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 347693.5/19

yield_atr2_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5012486114.6/15

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF:1691736.8/1

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5581865088.7/18

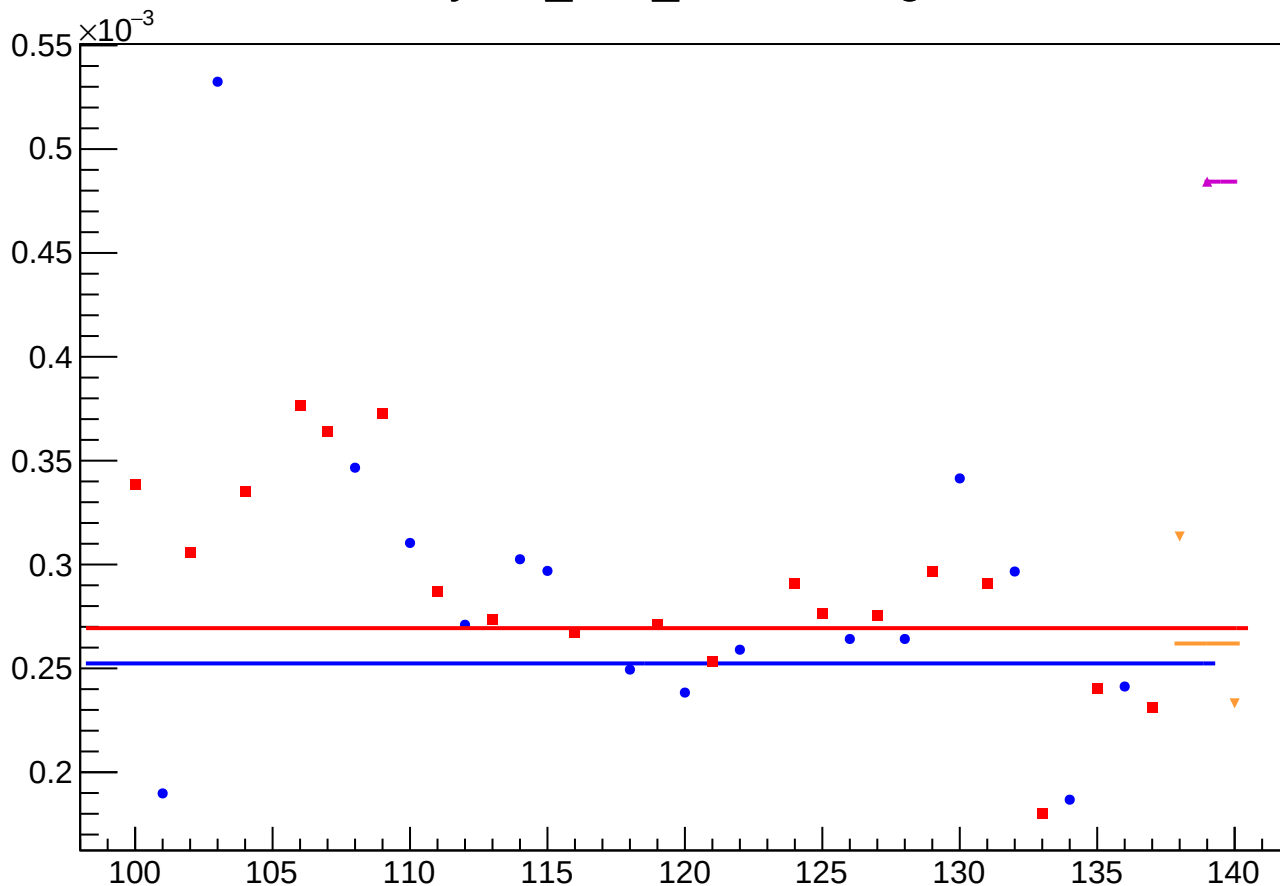
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 5041144730.7/17

All: 0.023 $\pm$ 0.000 χ^2 /NDF: 10703922941.2/3

- sign 0.024 $\pm$ 0.000 χ^2 /NDF: 5585275139.0/19

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 707863.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 57209.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 446359.4/18

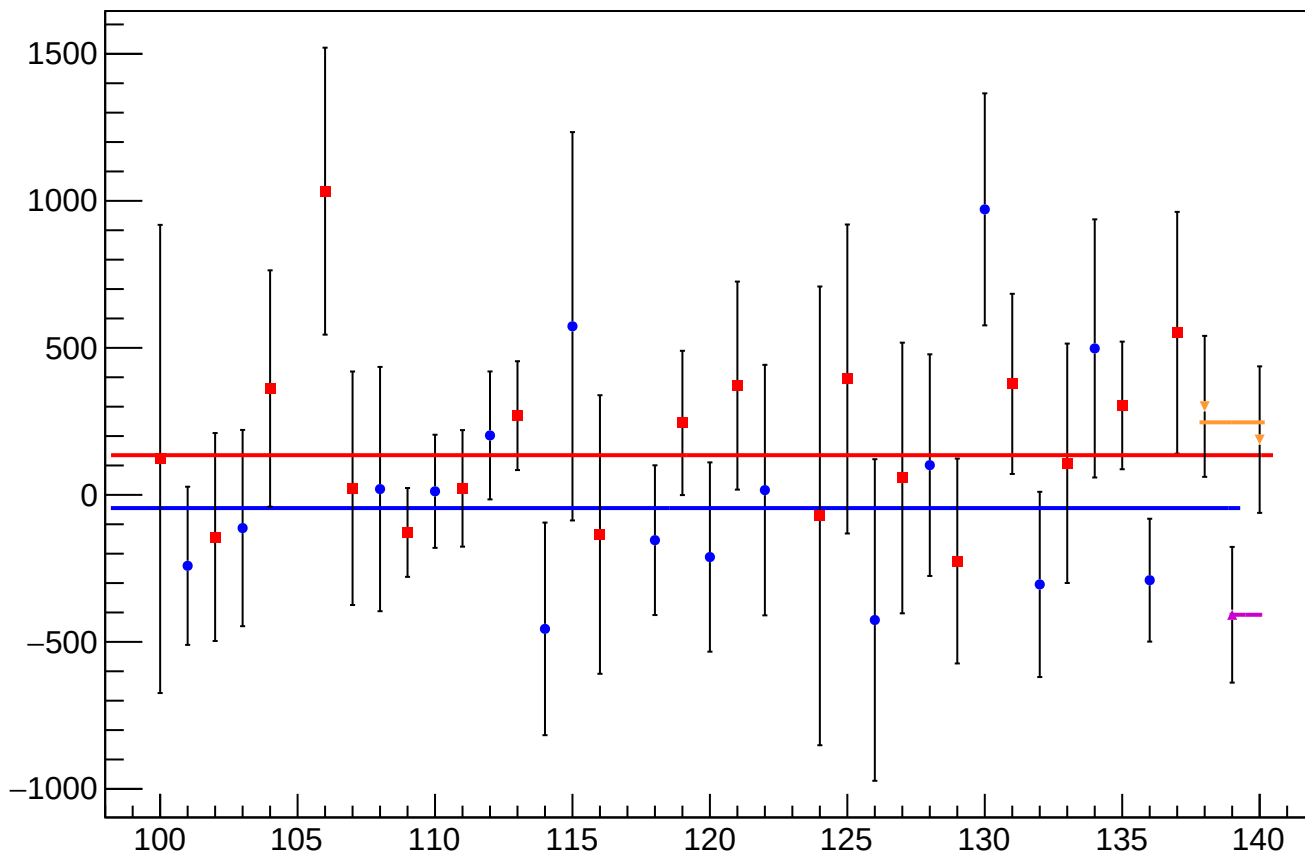
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 768030.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1579070.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 754131.8/19

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -44.917 ± 76.198 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 246.668 ± 172.758 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 134.996 ± 68.062 $\chi^2/\text{NDF}: 12.9/18$

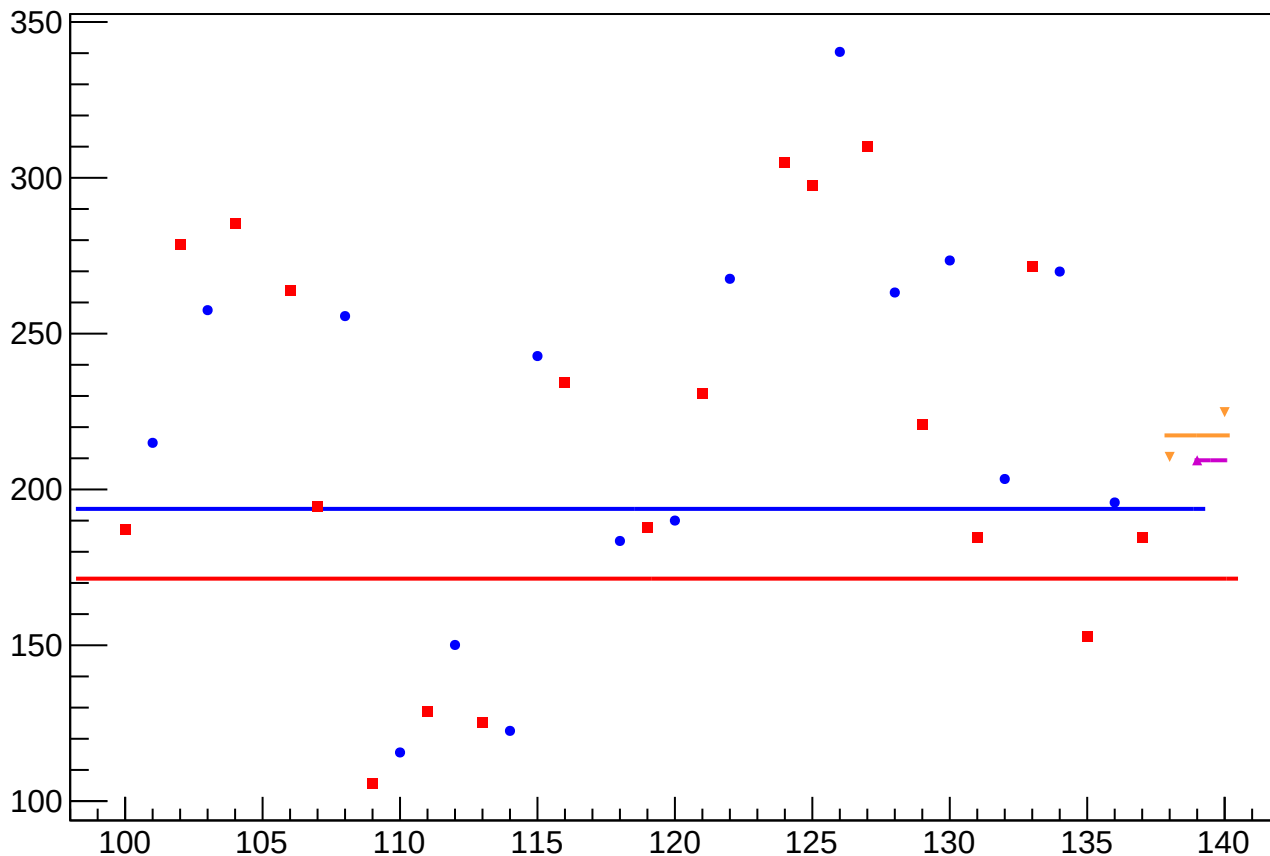
Left In: -407.815 ± 230.829 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2.571 ± 69.718 $\chi^2/\text{NDF}: 18.0/17$

All: 49.995 ± 47.653 $\chi^2/\text{NDF}: 36.8/37$

- sign 91.578 ± 65.283 $\chi^2/\text{NDF}: 18.0/19$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768 $\pm$ 0.054 χ^2 /NDF: 1048095.1/15

Left Out: 217.347 $\pm$ 0.122 χ^2 /NDF:3450.2/1

Right Out: 171.382 $\pm$ 0.048 χ^2 /NDF: 1658079.5/18

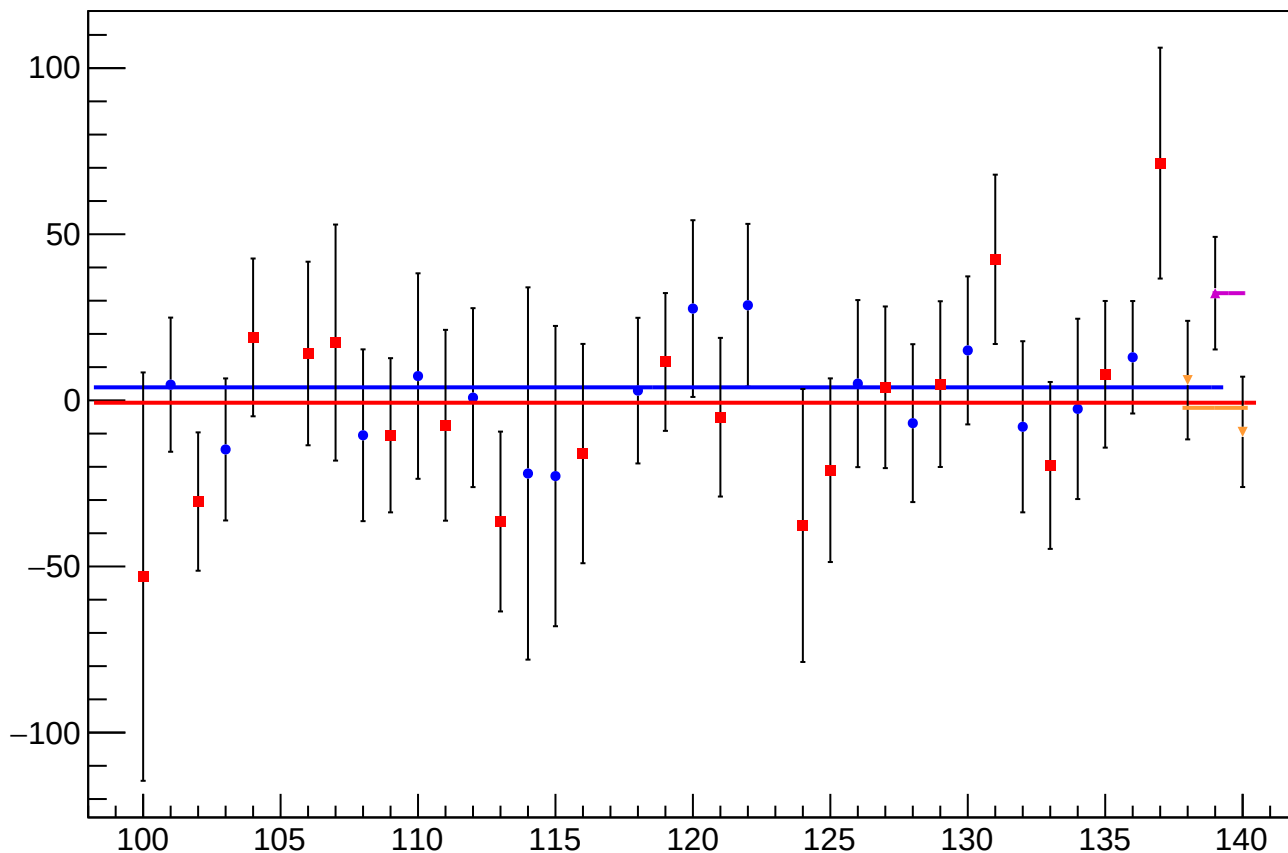
Left In: 209.362 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 197.608 $\pm$ 0.049 χ^2 /NDF: 1082735.2/17

All: 185.253 $\pm$ 0.034 χ^2 /NDF: 2908511.1/37

- sign 174.420 $\pm$ 0.046 χ^2 /NDF: 1707894.5/19

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.923 ± 6.172 $\chi^2/\text{NDF}: 4.5/15$

Left Out: -2.250 ± 12.158 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -0.714 ± 6.077 $\chi^2/\text{NDF}: 15.9/18$

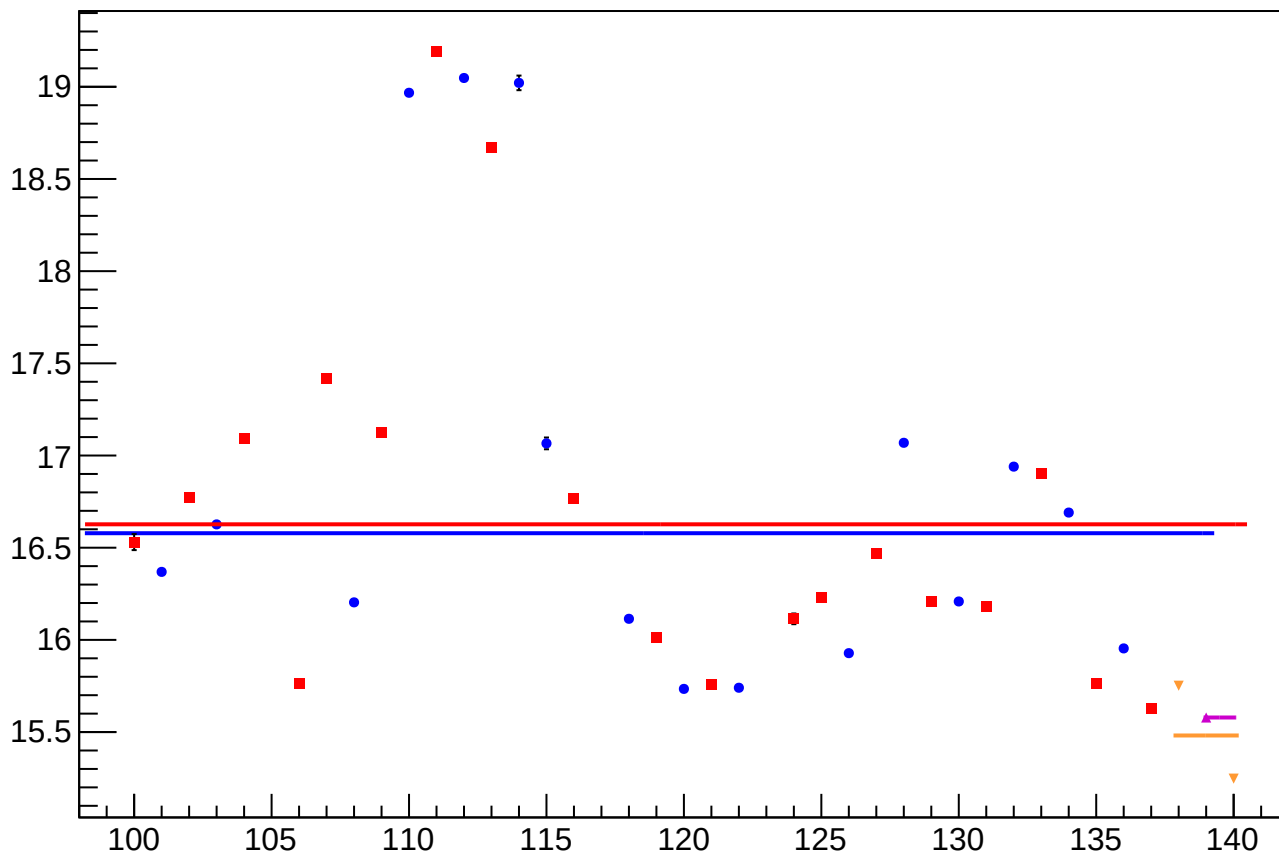
Left In: 32.265 ± 16.946 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2.658 ± 5.503 $\chi^2/\text{NDF}: 5.1/17$

All: 2.844 ± 3.966 $\chi^2/\text{NDF}: 24.4/37$

- sign 3.044 ± 5.720 $\chi^2/\text{NDF}: 19.3/19$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.579 $\pm$ 0.004 χ^2 /NDF: 44575.6/15

Left Out: 15.481 $\pm$ 0.009 χ^2 /NDF: 854.9/1

Right Out: 16.627 $\pm$ 0.004 χ^2 /NDF: 43461.8/18

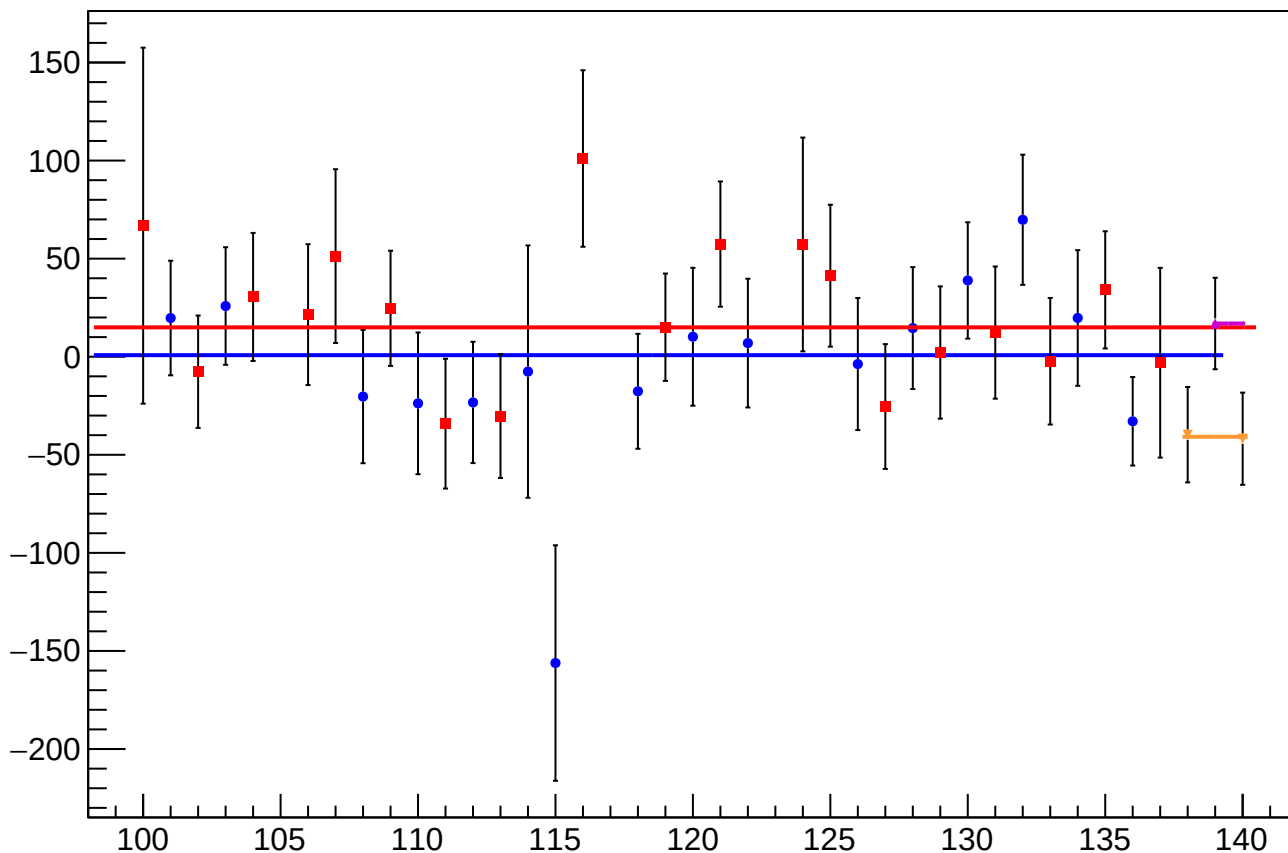
Left In: 15.579 $\pm$ 0.012 χ^2 /NDF: 0.0/0

+ sign 16.354 $\pm$ 0.004 χ^2 /NDF: 58381.3/17

All: 16.428 $\pm$ 0.003 χ^2 /NDF: 109369.6/37

- sign 16.508 $\pm$ 0.004 χ^2 /NDF: 50238.4/19

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.790 ± 8.125 χ^2/NDF : 18.7/15

Left Out: -40.810 ± 16.898 χ^2/NDF : 0.0/1

Right Out: 14.981 ± 7.953 χ^2/NDF : 15.4/18

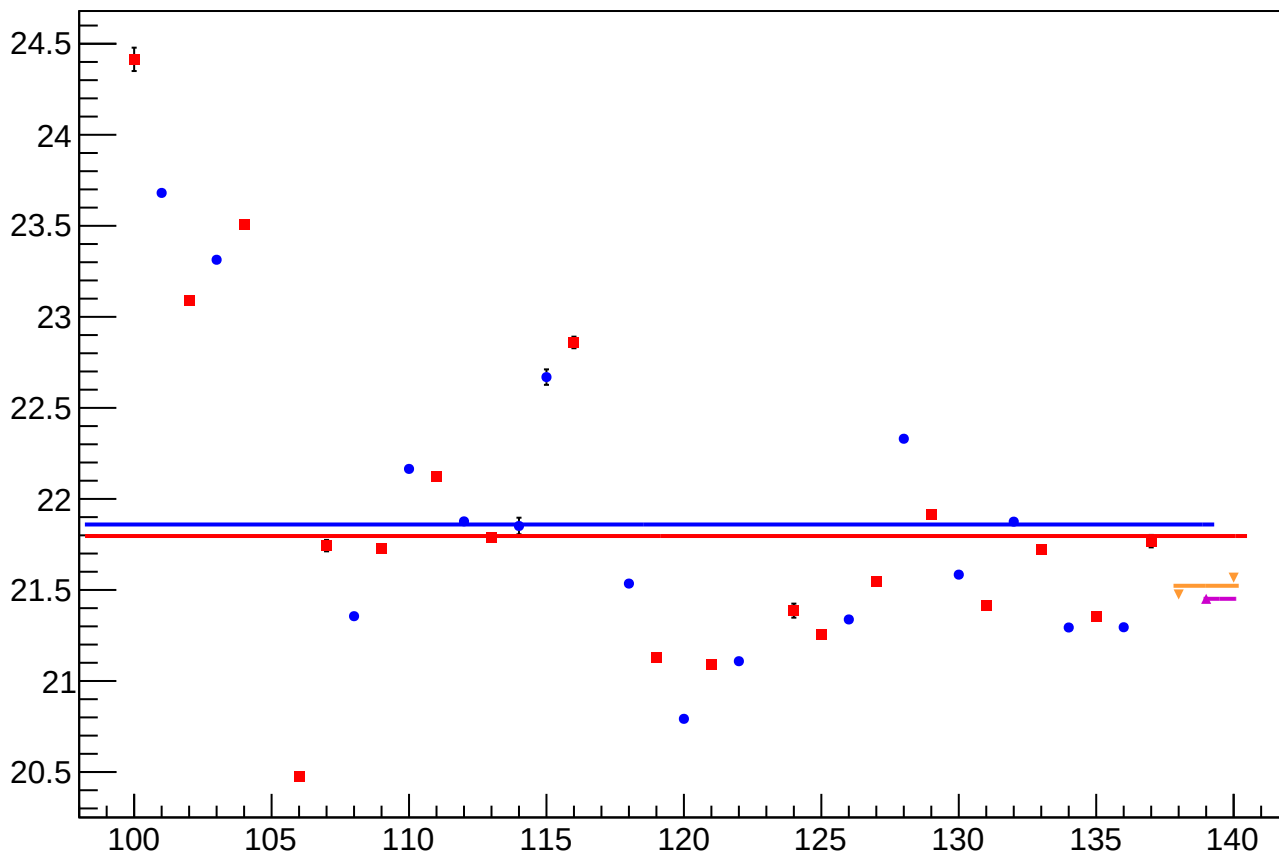
Left In: 16.940 ± 23.320 χ^2/NDF : 0.0/0

+ sign -7.021 ± 7.322 χ^2/NDF : 23.6/17

All: 3.775 ± 5.249 χ^2/NDF : 43.5/37

- sign 15.185 ± 7.528 χ^2/NDF : 15.4/19

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860 $\pm$ 0.006 χ^2 /NDF: 19468.1/15

Left Out: 21.523 $\pm$ 0.012 χ^2 /NDF: 14.9/1

Right Out: 21.796 $\pm$ 0.006 χ^2 /NDF: 18861.3/18

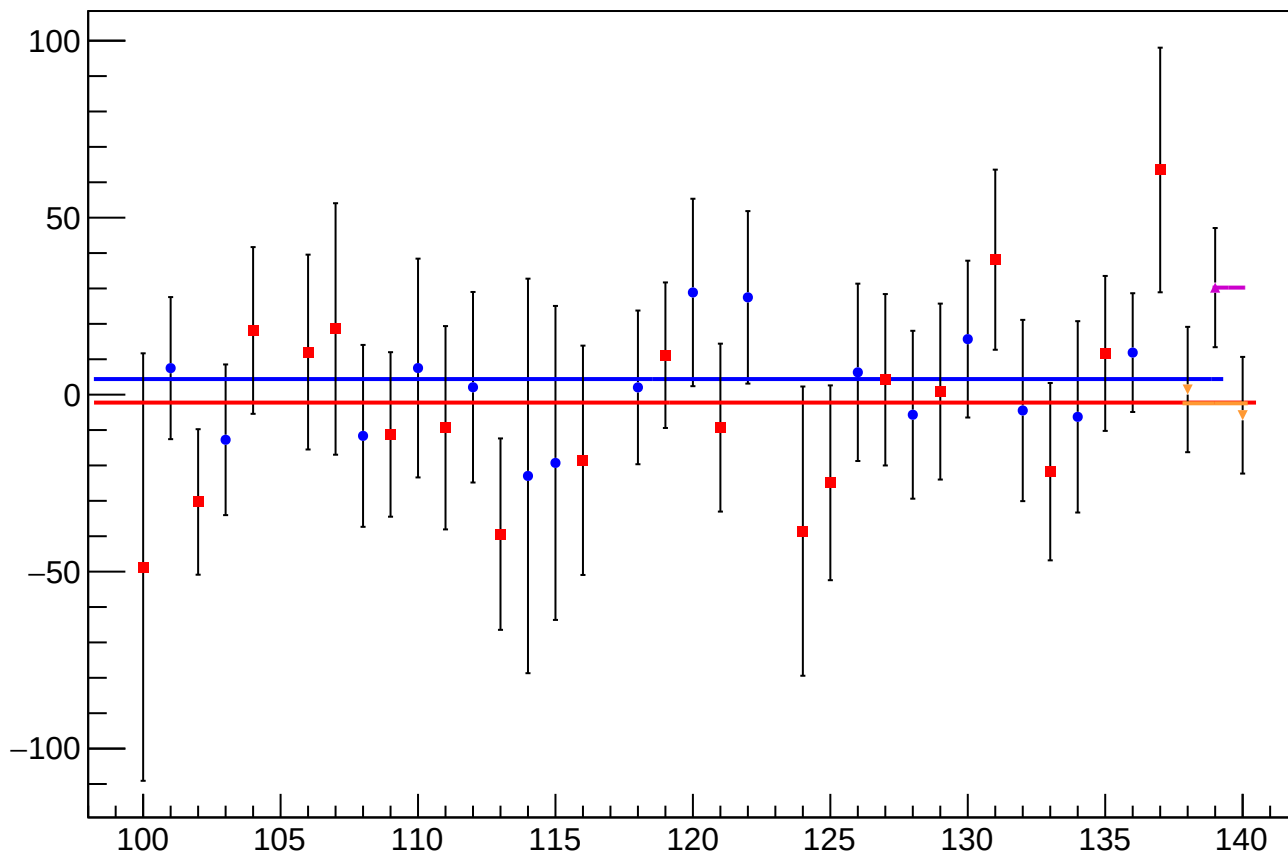
Left In: 21.451 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 21.796 $\pm$ 0.005 χ^2 /NDF: 20127.6/17

All: 21.779 $\pm$ 0.004 χ^2 /NDF: 39404.2/37

- sign 21.760 $\pm$ 0.005 χ^2 /NDF: 19253.1/19

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.404 $\pm$ 6.137 χ^2 /NDF: 4.3/15

Left Out: -2.445 $\pm$ 12.064 χ^2 /NDF: 0.1/1

Right Out: -2.244 $\pm$ 6.042 χ^2 /NDF: 15.4/18

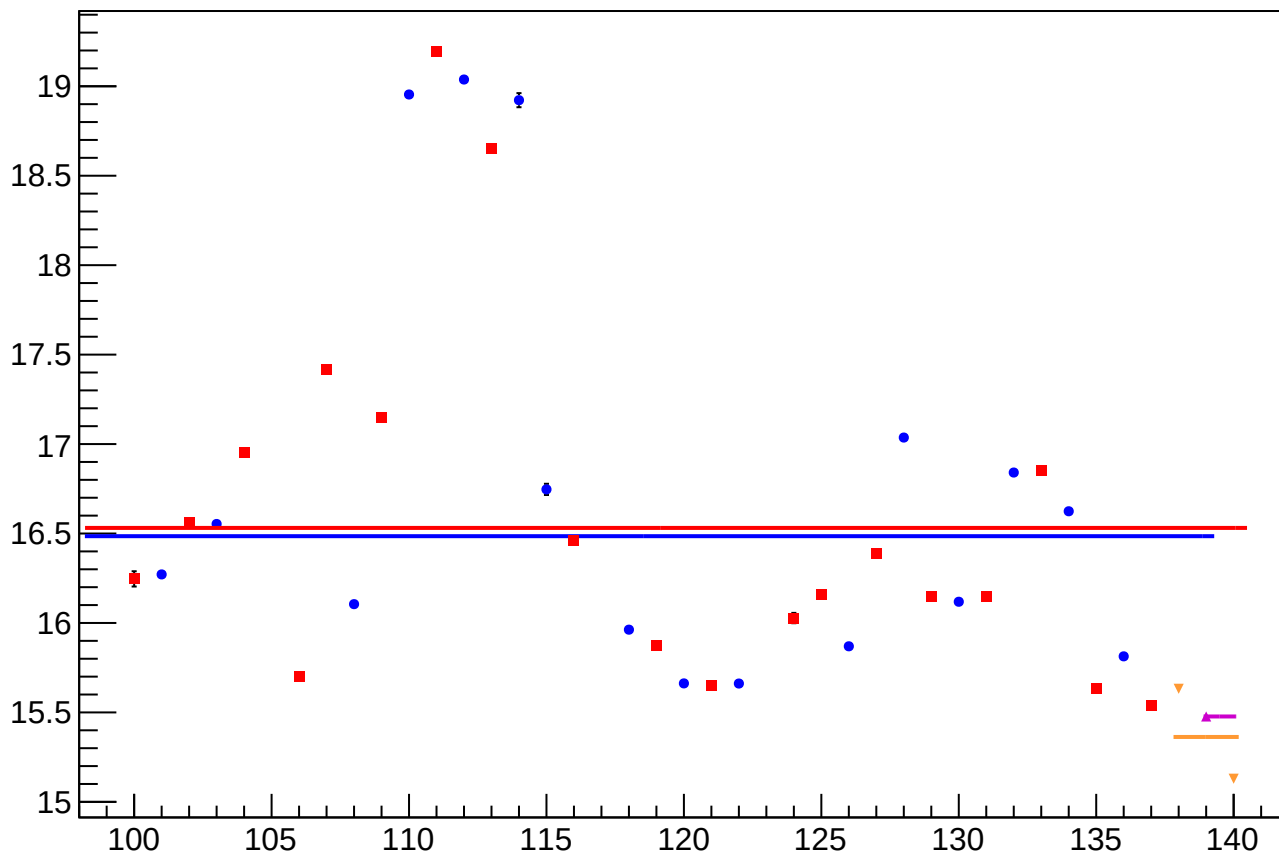
Left In: 30.242 $\pm$ 16.836 χ^2 /NDF: 0.0/0

+ sign 2.996 $\pm$ 5.470 χ^2 /NDF: 4.6/17

All: 2.260 $\pm$ 3.942 χ^2 /NDF: 23.4/37

- sign 1.463 $\pm$ 5.687 χ^2 /NDF: 18.7/19

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.485 $\pm$ 0.004 χ^2 /NDF: 47186.1/15

Left Out: 15.363 $\pm$ 0.009 χ^2 /NDF:863.7/1

Right Out: 16.531 $\pm$ 0.004 χ^2 /NDF: 46474.0/18

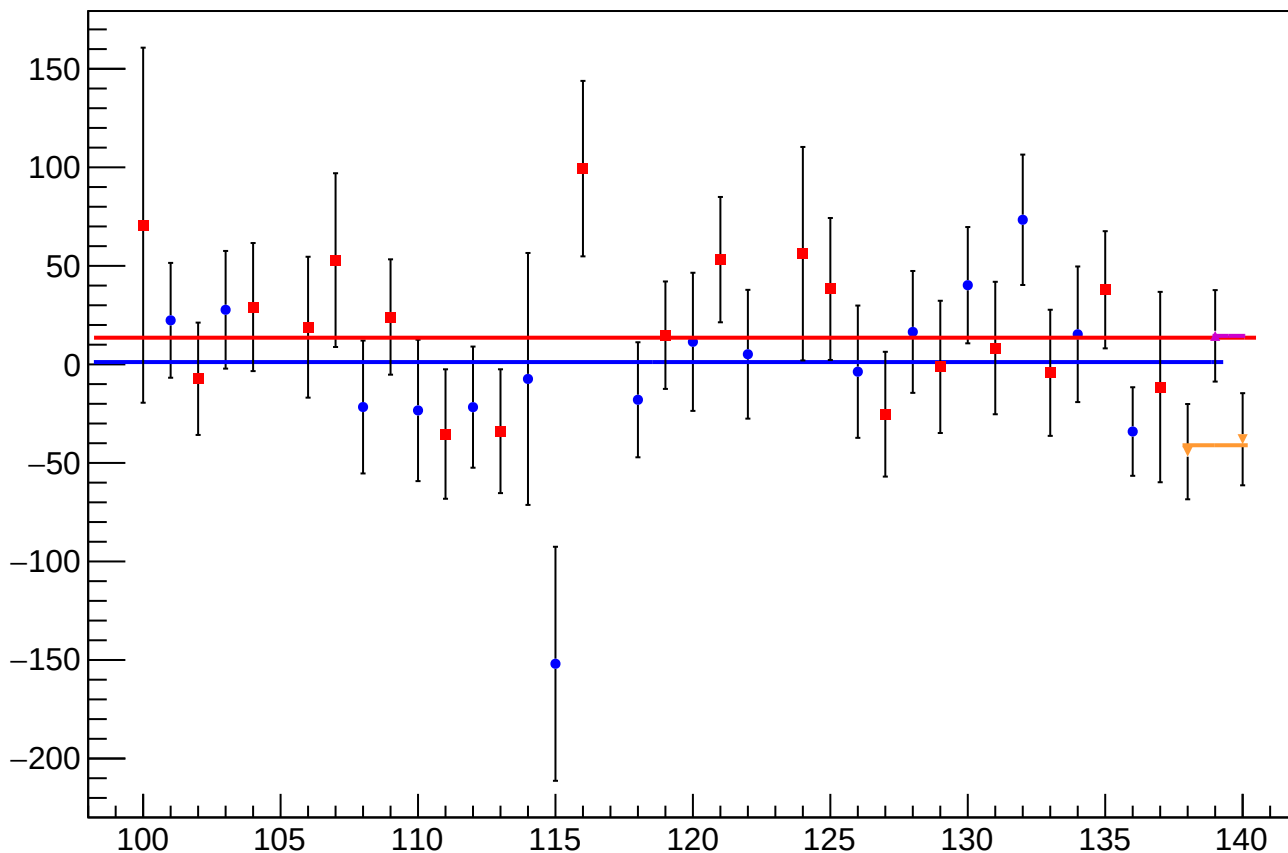
Left In: 15.477 $\pm$ 0.012 χ^2 /NDF:0.0/0

+ sign 16.254 $\pm$ 0.004 χ^2 /NDF: 61799.7/17

All: 16.330 $\pm$ 0.003 χ^2 /NDF: 116006.1/37

- sign 16.411 $\pm$ 0.004 χ^2 /NDF: 53418.4/19

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.185 $\pm$ 8.088 χ^2/NDF : 19.4/15

Left Out: -41.027 $\pm$ 16.805 χ^2/NDF : 0.0/1

Right Out: 13.549 $\pm$ 7.915 χ^2/NDF : 15.9/18

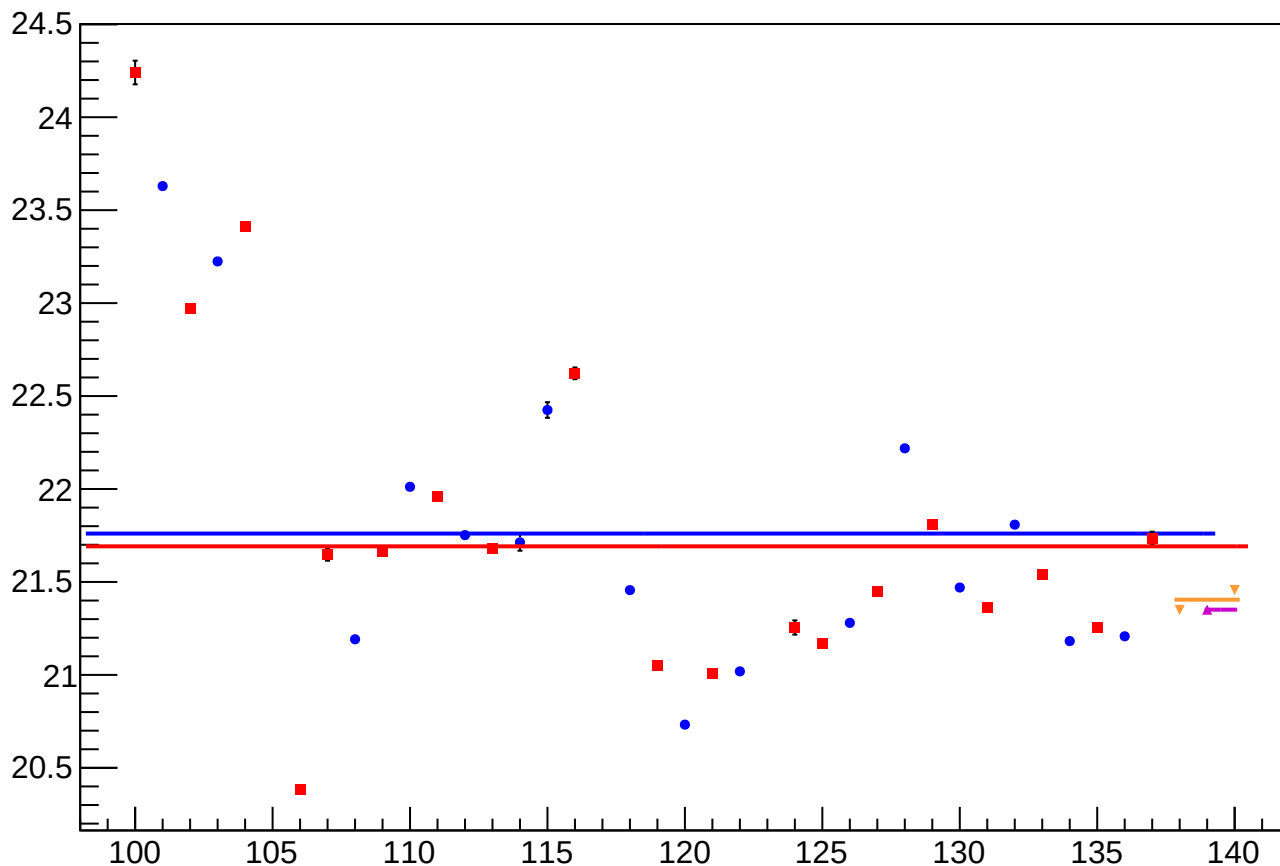
Left In: 14.487 $\pm$ 23.211 χ^2/NDF : 0.0/0

+ sign -6.754 $\pm$ 7.288 χ^2/NDF : 24.6/17

All: 3.165 $\pm$ 5.224 χ^2/NDF : 44.3/37

- sign 13.647 $\pm$ 7.491 χ^2/NDF : 15.9/19

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.760 $\pm$ 0.006 χ^2 /NDF: 19745.7/15

Left Out: 21.405 $\pm$ 0.012 χ^2 /NDF: 20.2/1

Right Out: 21.692 $\pm$ 0.006 χ^2 /NDF: 18330.7/18

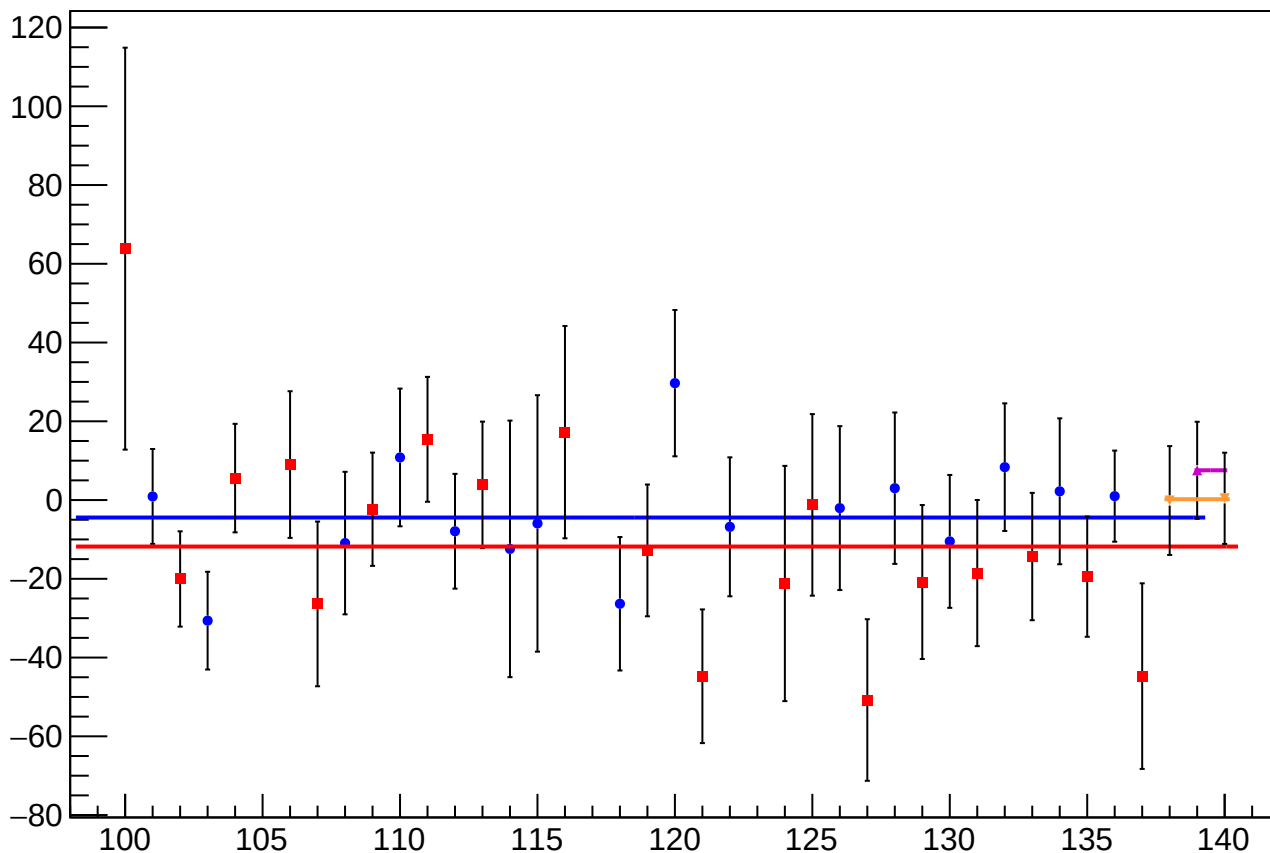
Left In: 21.351 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 21.693 $\pm$ 0.005 χ^2 /NDF: 20493.1/17

All: 21.675 $\pm$ 0.004 χ^2 /NDF: 39235.1/37

- sign 21.656 $\pm$ 0.005 χ^2 /NDF: 18716.5/19

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: 0.210 ± 8.875 χ^2/NDF : 0.0/1

Right Out: -11.807 ± 4.097 χ^2/NDF : 21.7/18

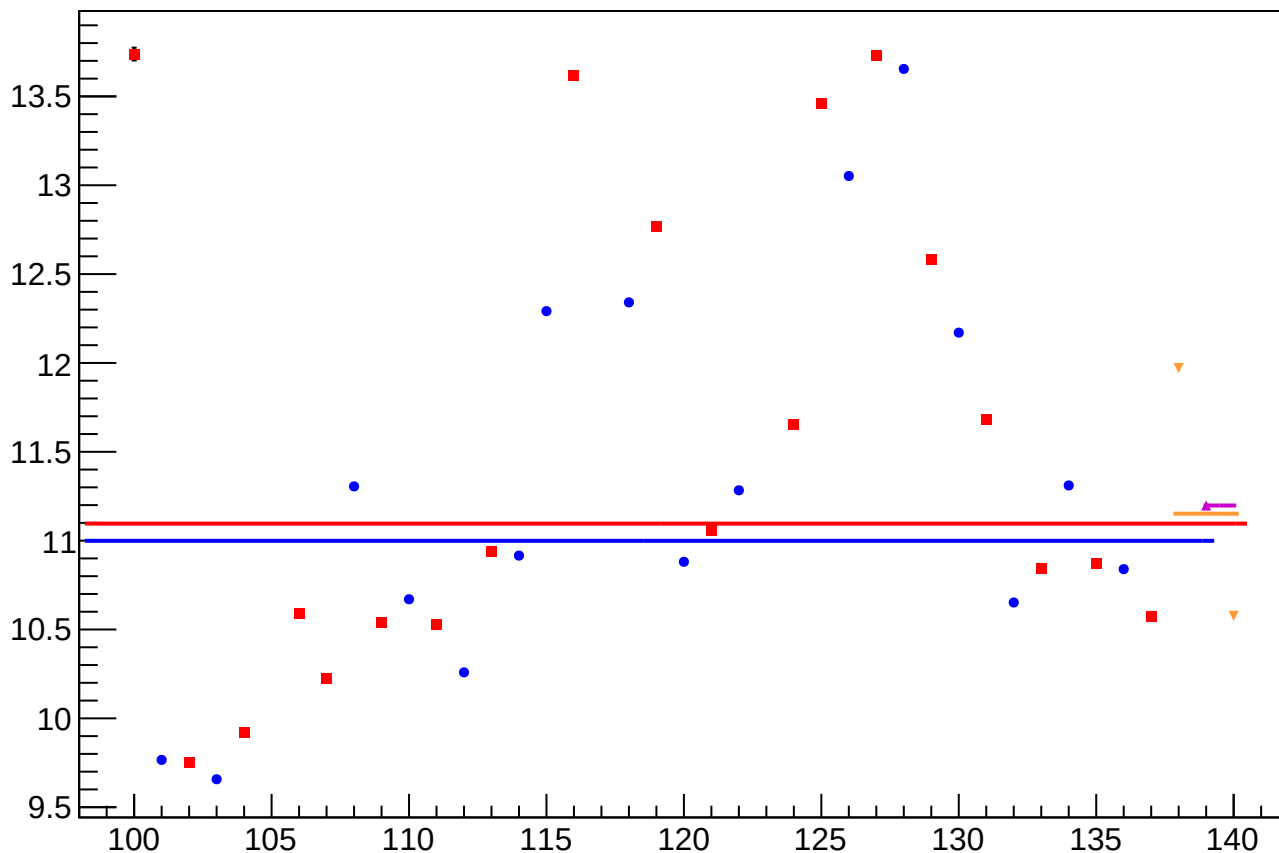
Left In: 7.559 ± 12.319 χ^2/NDF : 0.0/0

+ sign -3.612 ± 3.745 χ^2/NDF : 12.2/17

All: -6.628 ± 2.697 χ^2/NDF : 37.5/37

- sign -9.878 ± 3.888 χ^2/NDF : 24.0/19

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999 $\pm$ 0.003 χ^2 /NDF: 136159.2/15

Left Out: 11.152 $\pm$ 0.006 χ^2 /NDF: 11952.4/1

Right Out: 11.096 $\pm$ 0.003 χ^2 /NDF: 162908.7/18

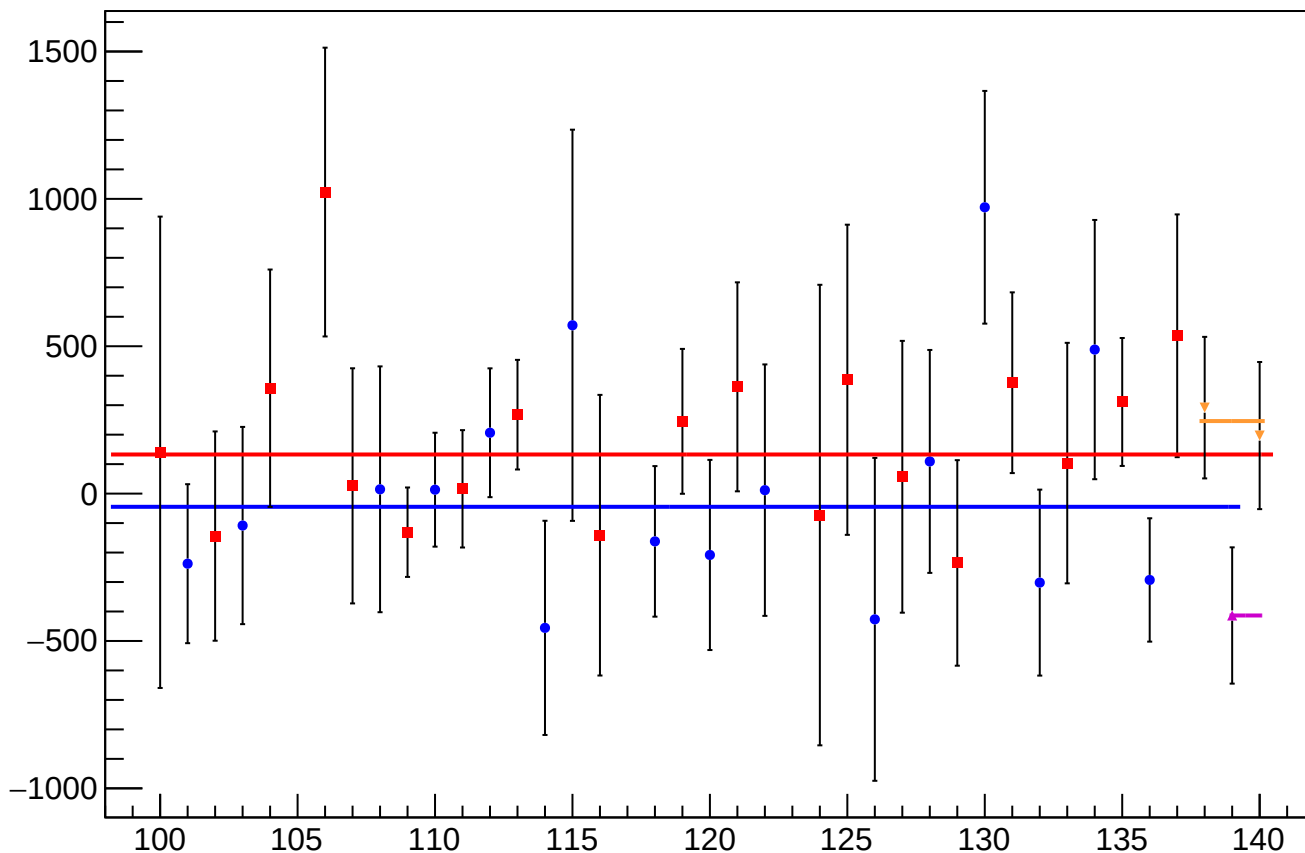
Left In: 11.198 $\pm$ 0.009 χ^2 /NDF: 0.0/0

+ sign 11.026 $\pm$ 0.003 χ^2 /NDF: 148598.1/17

All: 11.065 $\pm$ 0.002 χ^2 /NDF: 312067.7/37

- sign 11.106 $\pm$ 0.003 χ^2 /NDF: 163031.8/19

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -44.797 ± 76.424 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 246.118 ± 173.048 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 132.730 ± 68.270 $\chi^2/\text{NDF}: 12.9/18$

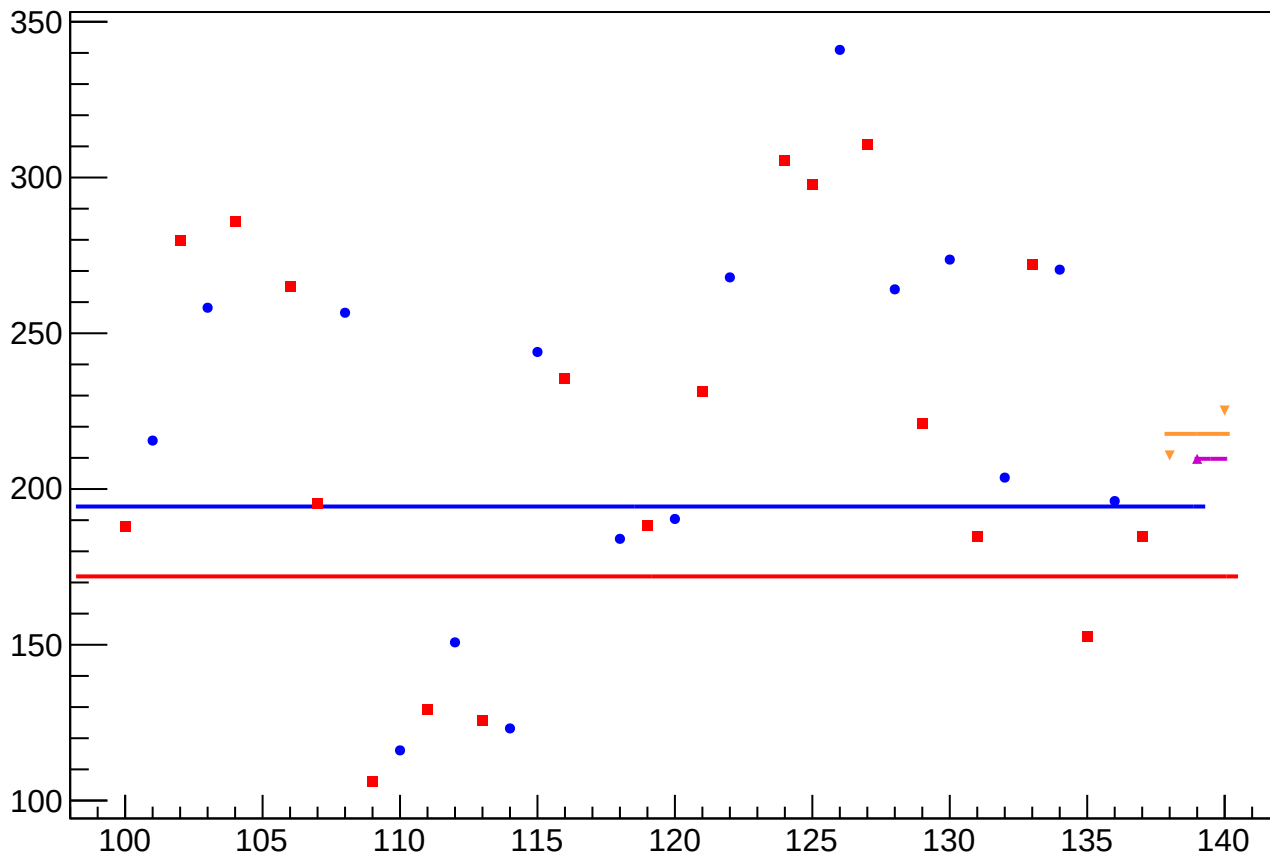
Left In: -413.522 ± 231.204 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2.682 ± 69.909 $\chi^2/\text{NDF}: 17.9/17$

All: 48.624 ± 47.789 $\chi^2/\text{NDF}: 36.7/37$

- sign 88.922 ± 65.475 $\chi^2/\text{NDF}: 18.0/19$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385 $\pm$ 0.054 χ^2 /NDF: 1042024.1/15

Left Out: 217.710 $\pm$ 0.122 χ^2 /NDF:3465.9/1

Right Out: 171.949 $\pm$ 0.048 χ^2 /NDF: 1651343.7/18

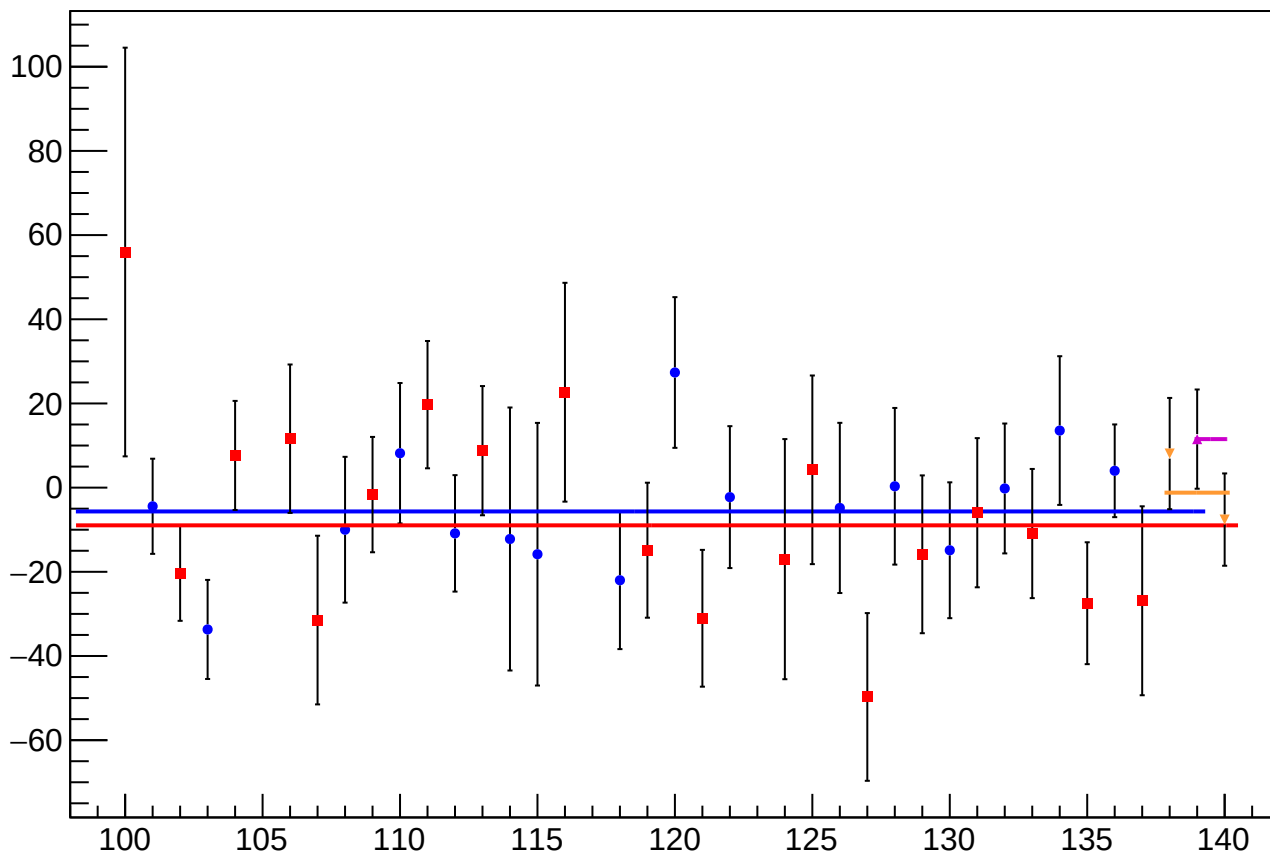
Left In: 209.701 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 198.192 $\pm$ 0.049 χ^2 /NDF: 1075896.7/17

All: 185.825 $\pm$ 0.034 χ^2 /NDF: 2893781.9/37

- sign 174.977 $\pm$ 0.046 χ^2 /NDF: 1700392.1/19

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657 ± 3.939 χ^2/NDF : 13.7/15

Left Out: -1.195 ± 8.439 χ^2/NDF : 0.8/1

Right Out: -8.960 ± 3.901 χ^2/NDF : 22.8/18

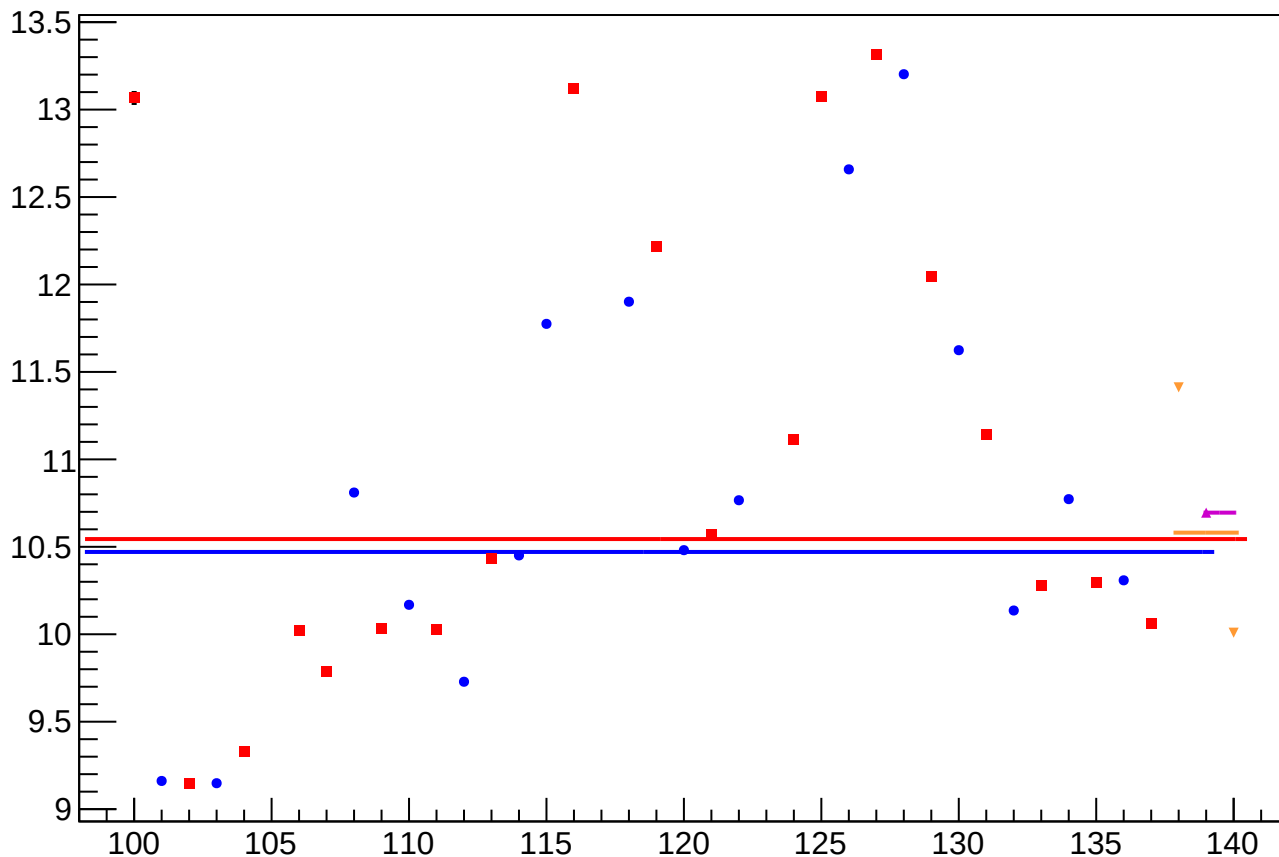
Left In: 11.529 ± 11.789 χ^2/NDF : 0.0/0

+ sign -4.859 ± 3.569 χ^2/NDF : 14.7/17

All: -5.860 ± 2.570 χ^2/NDF : 40.4/37

- sign -6.938 ± 3.703 χ^2/NDF : 25.5/19

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471 $\pm$ 0.003 χ^2 /NDF: 157365.8/15

Left Out: 10.581 $\pm$ 0.006 χ^2 /NDF:13347.0/1

Right Out: 10.544 $\pm$ 0.003 χ^2 /NDF: 186780.3/18

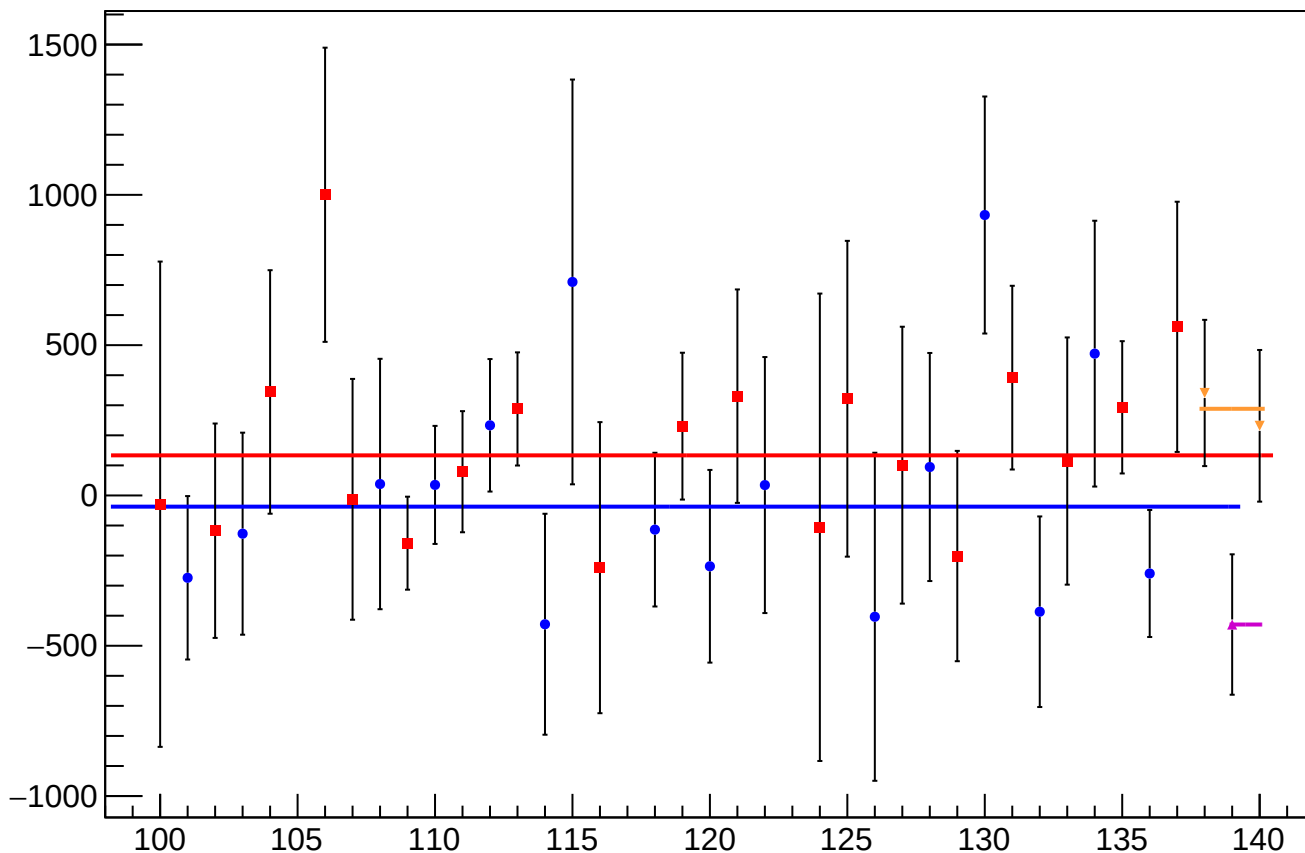
Left In: 10.695 $\pm$ 0.008 χ^2 /NDF:0.0/0

+ sign 10.490 $\pm$ 0.003 χ^2 /NDF: 170993.9/17

All: 10.524 $\pm$ 0.002 χ^2 /NDF: 358429.0/37

- sign 10.559 $\pm$ 0.003 χ^2 /NDF: 187076.1/19

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF : 15.6/15

Left Out: 288.285+/-175.109 χ^2/NDF : 0.1/1

Right Out: 133.386+/-68.885 χ^2/NDF : 12.9/18

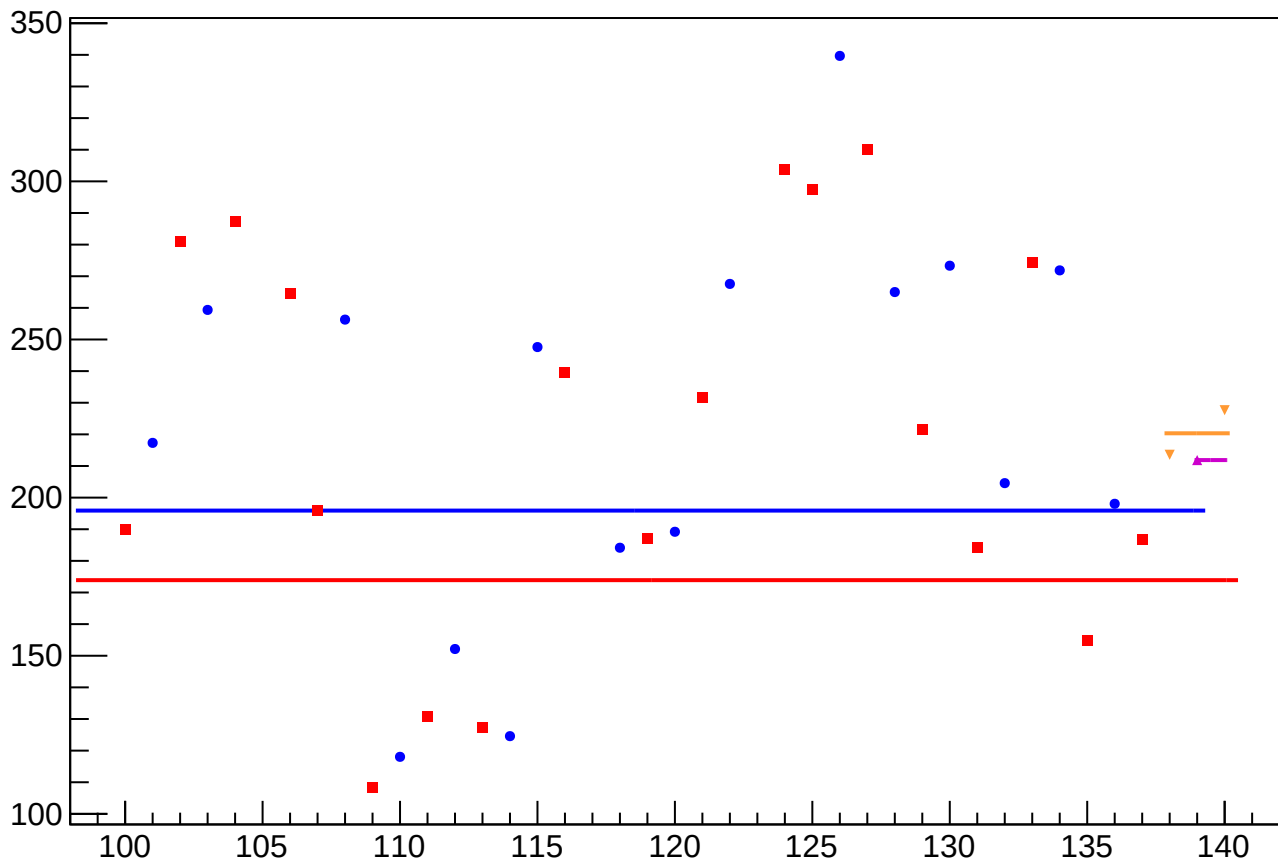
Left In: -429.364+/-233.567 χ^2/NDF : 0.0/0

+ sign 15.406+/-70.421 χ^2/NDF : 18.6/17

All: 54.202+/-48.184 χ^2/NDF : 37.5/37

- sign 88.353+/-66.072 χ^2/NDF : 18.2/19

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900 $\pm$ 0.054 χ^2 /NDF: 1011012.3/15

Left Out: 220.339 $\pm$ 0.124 χ^2 /NDF:3231.3/1

Right Out: 173.901 $\pm$ 0.049 χ^2 /NDF: 1599608.1/18

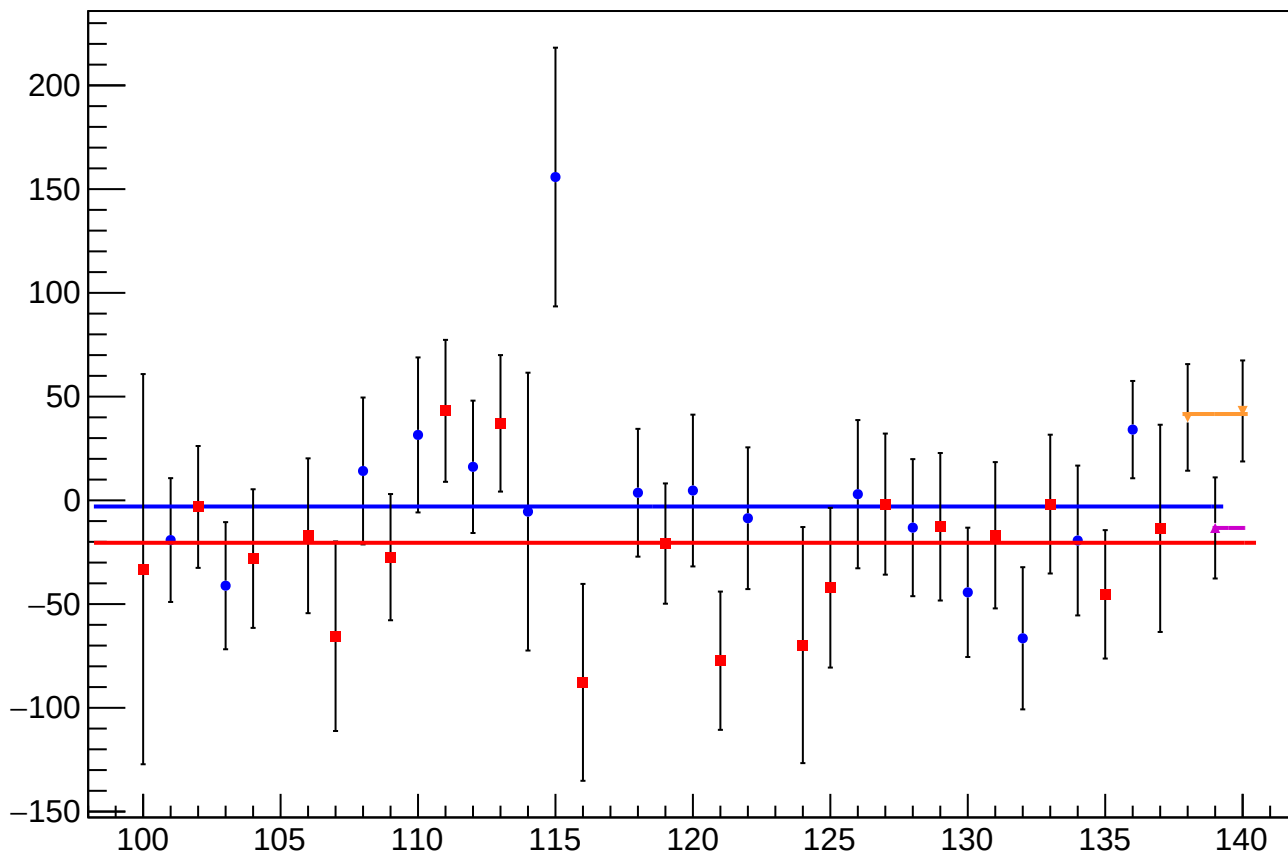
Left In: 211.870 $\pm$ 0.165 χ^2 /NDF:0.0/0

+ sign 199.852 $\pm$ 0.050 χ^2 /NDF: 1046899.6/17

All: 187.667 $\pm$ 0.034 χ^2 /NDF: 2807730.6/37

- sign 176.940 $\pm$ 0.047 χ^2 /NDF: 1648231.4/19

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.967 ± 8.454 χ^2/NDF : 17.9/15

Left Out: 41.613 ± 17.672 χ^2/NDF : 0.0/1

Right Out: -20.457 ± 8.292 χ^2/NDF : 15.3/18

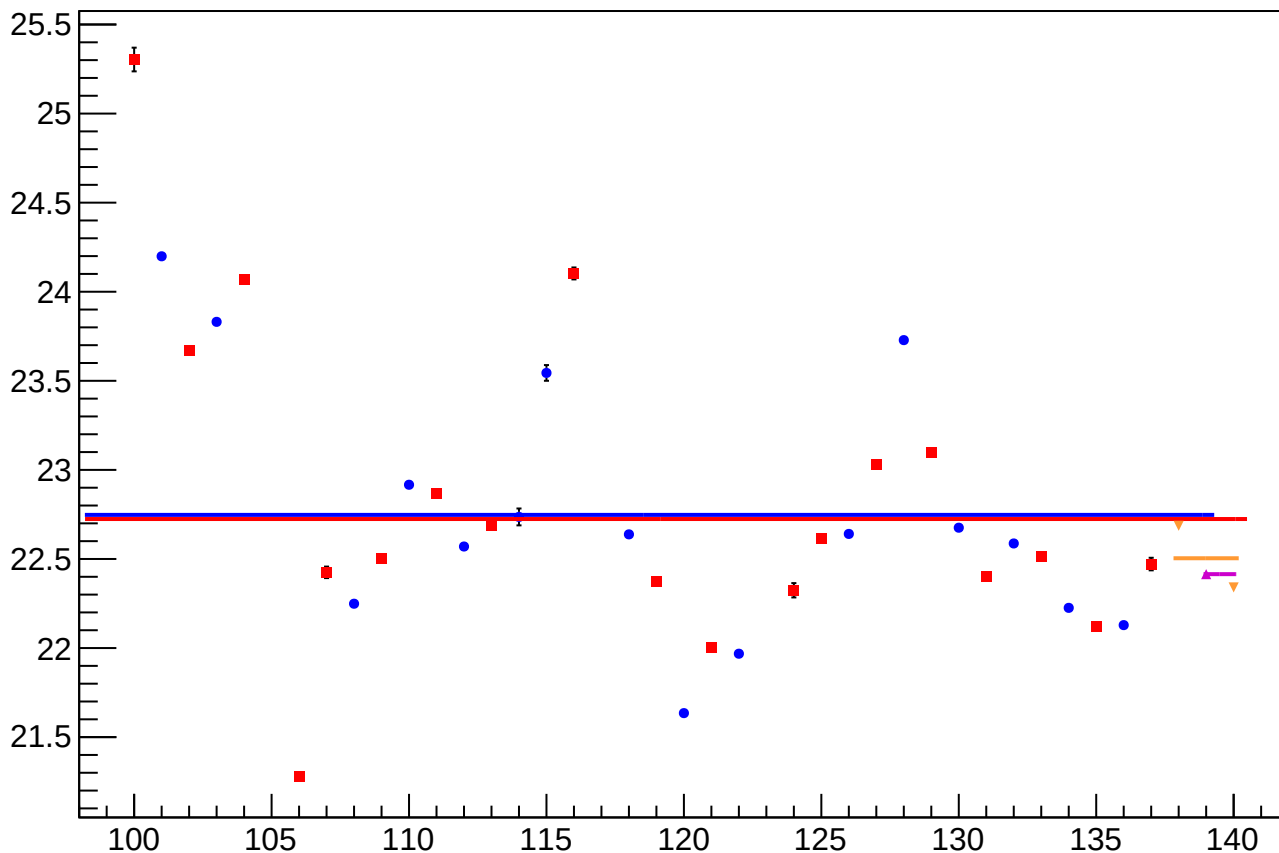
Left In: -13.302 ± 24.367 χ^2/NDF : 0.0/0

+ sign 5.335 ± 7.626 χ^2/NDF : 23.1/17

All: -6.828 ± 5.470 χ^2/NDF : 43.7/37

- sign -19.714 ± 7.850 χ^2/NDF : 15.4/19

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747 $\pm$ 0.006 χ^2 /NDF: 14622.8/15

Left Out: 22.504 $\pm$ 0.012 χ^2 /NDF:191.1/1

Right Out: 22.724 $\pm$ 0.006 χ^2 /NDF: 14490.6/18

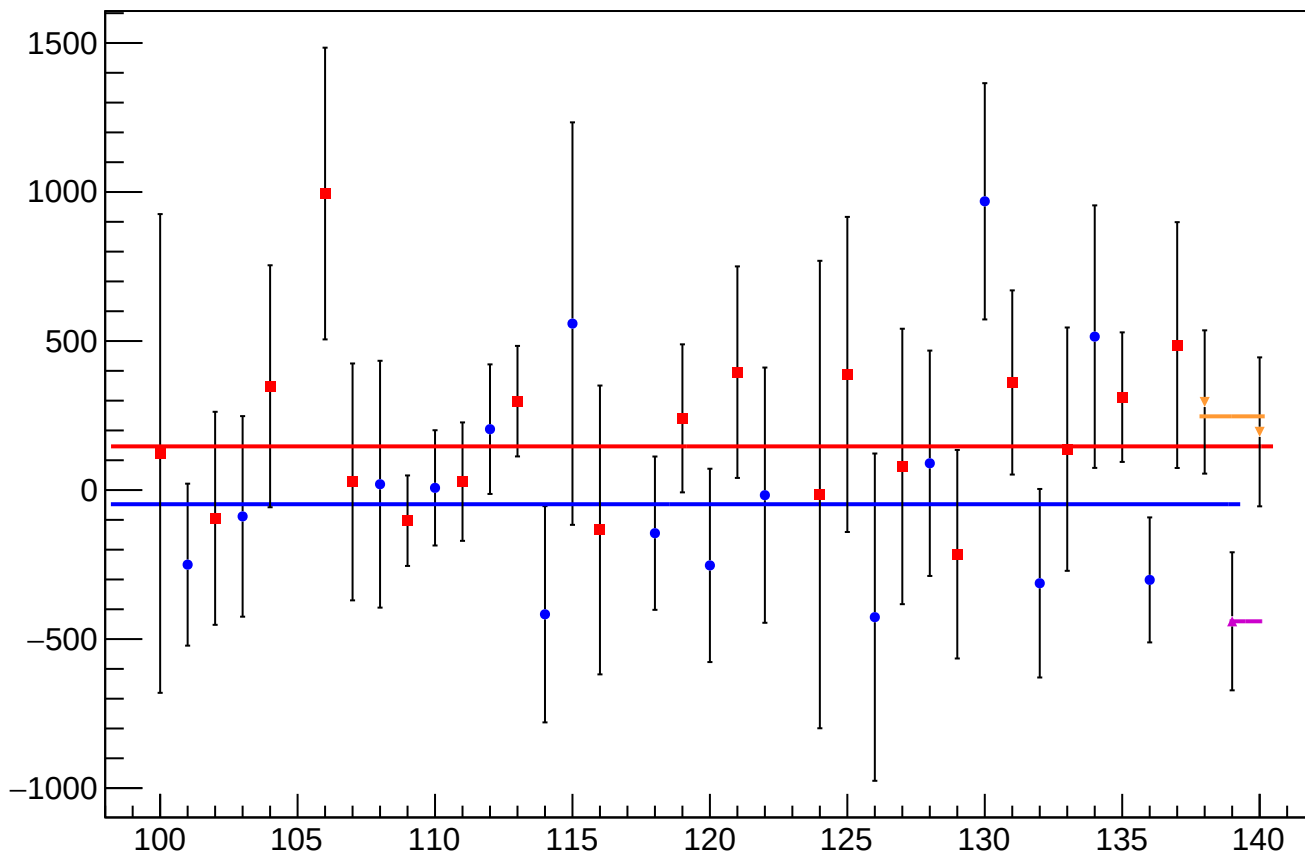
Left In: 22.415 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 22.702 $\pm$ 0.005 χ^2 /NDF: 15122.7/17

All: 22.697 $\pm$ 0.004 χ^2 /NDF: 29904.0/37

- sign 22.692 $\pm$ 0.006 χ^2 /NDF: 14779.6/19

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -47.523 ± 76.571 χ^2/NDF : 15.4/15

Left Out: 247.354 ± 173.240 χ^2/NDF : 0.1/1

Right Out: 146.573 ± 68.398 χ^2/NDF : 11.6/18

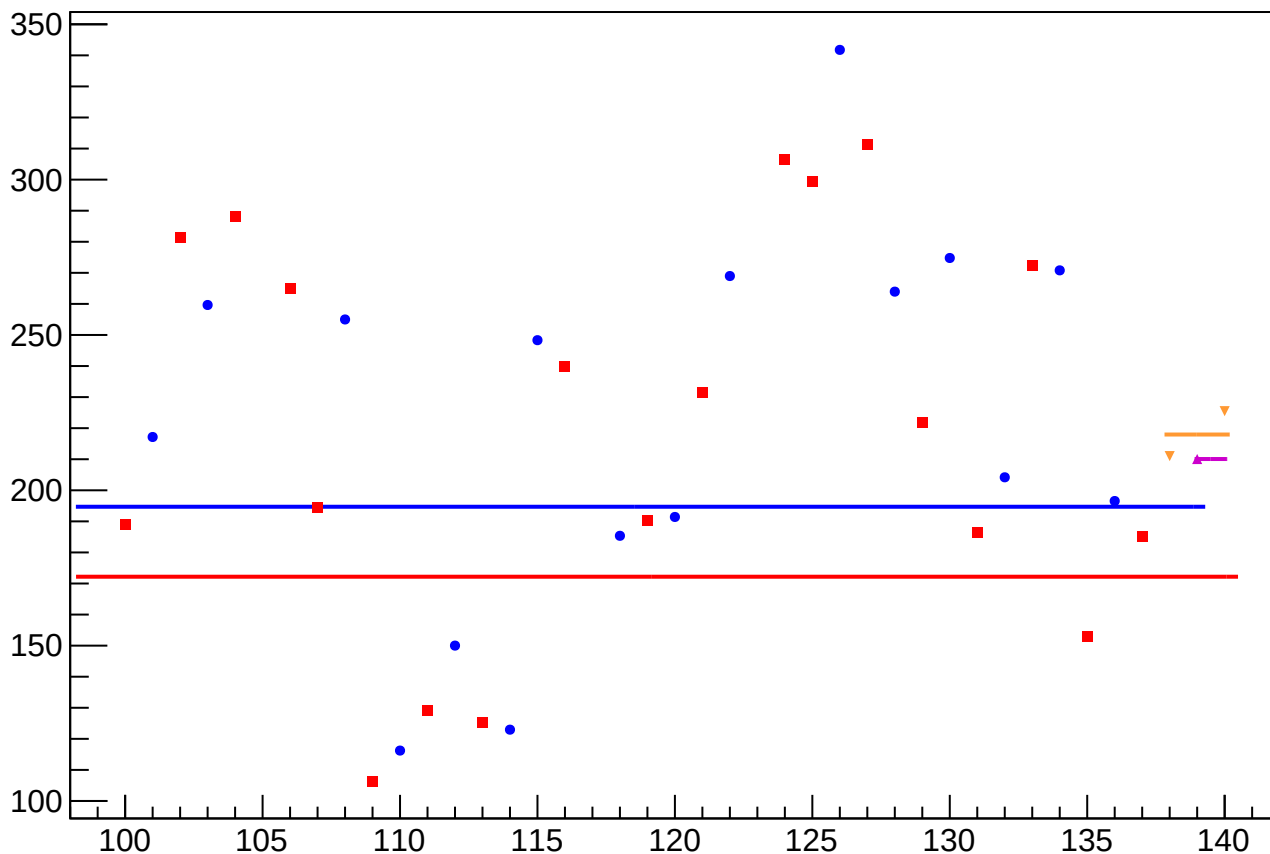
Left In: -440.358 ± 231.609 χ^2/NDF : 0.0/0

+ sign 0.669 ± 70.035 χ^2/NDF : 17.9/17

All: 53.311 ± 47.876 χ^2/NDF : 36.4/37

- sign 99.492 ± 65.597 χ^2/NDF : 17.5/19

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708 $\pm$ 0.054 χ^2 /NDF: 1052288.9/15

Left Out: 217.955 $\pm$ 0.122 χ^2 /NDF:3480.8/1

Right Out: 172.186 $\pm$ 0.048 χ^2 /NDF: 1671068.3/18

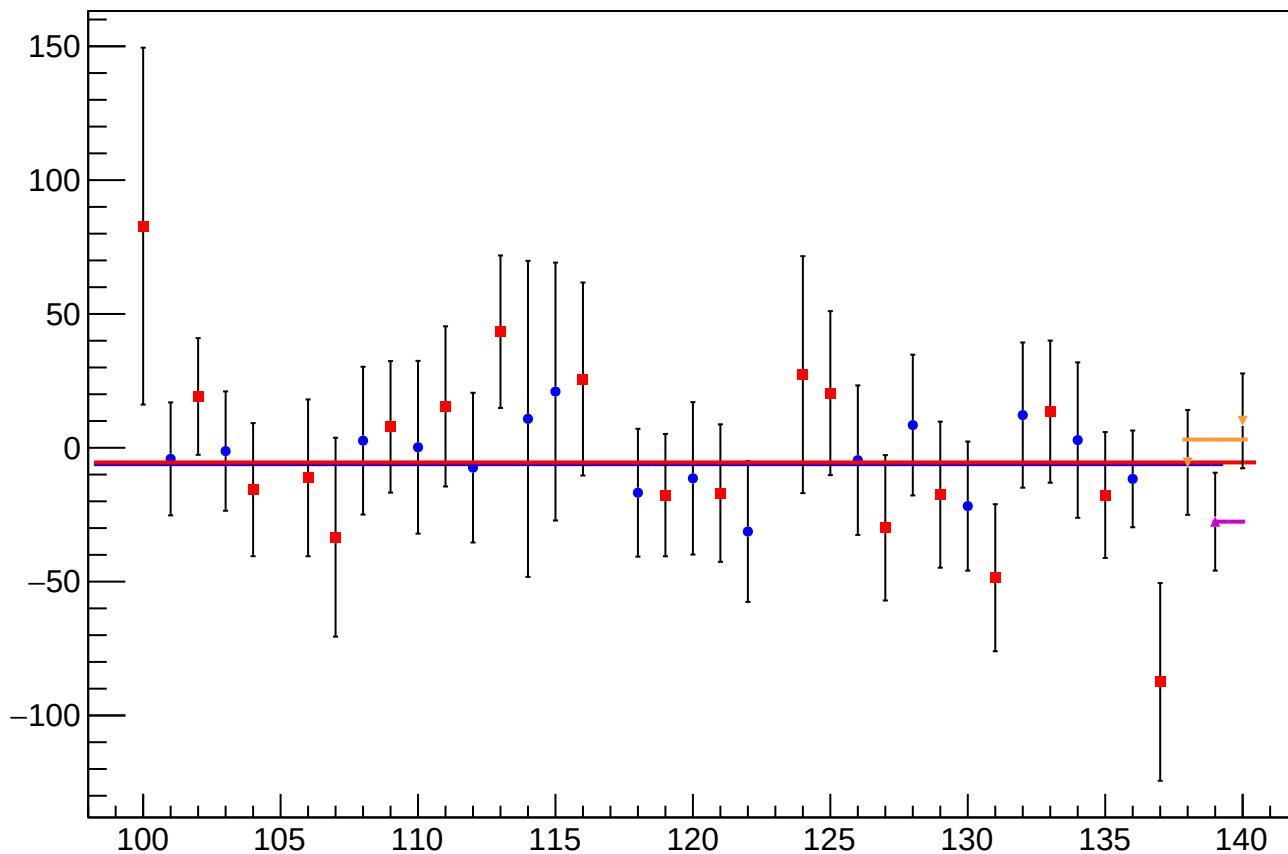
Left In: 210.071 $\pm$ 0.164 χ^2 /NDF:0.0/0

+ sign 198.507 $\pm$ 0.050 χ^2 /NDF: 1085899.0/17

All: 186.105 $\pm$ 0.034 χ^2 /NDF: 2923925.6/37

- sign 175.225 $\pm$ 0.046 χ^2 /NDF: 1720287.2/19

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.119 ± 6.592 χ^2/NDF : 3.1/15

Left Out: 3.074 ± 13.139 χ^2/NDF : 0.3/1

Right Out: -5.470 ± 6.509 χ^2/NDF : 19.2/18

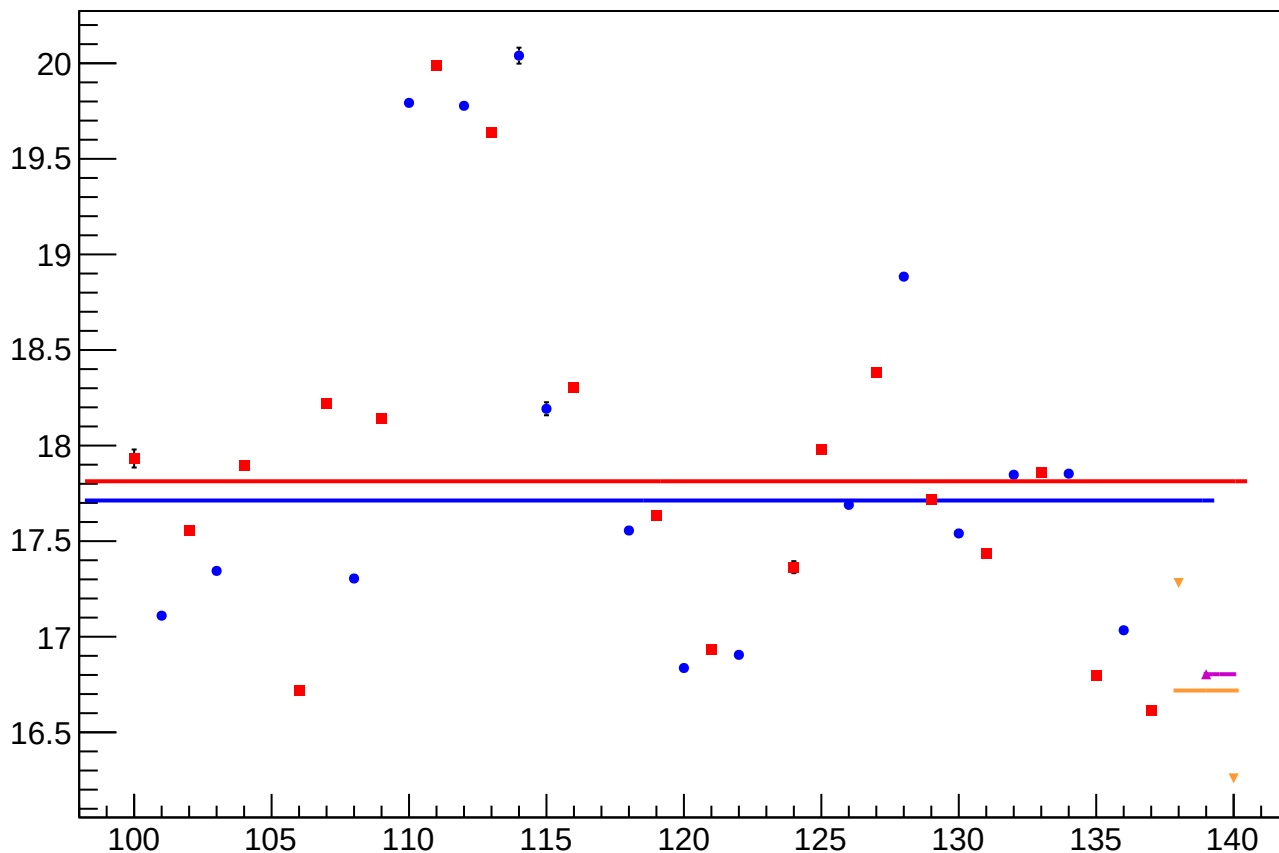
Left In: -27.594 ± 18.288 χ^2/NDF : 0.0/0

+ sign -4.270 ± 5.892 χ^2/NDF : 3.9/17

All: -6.040 ± 4.249 χ^2/NDF : 24.5/37

- sign -7.957 ± 6.132 χ^2/NDF : 20.5/19

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713 $\pm$ 0.005 χ^2 /NDF: 35983.5/15

Left Out: 16.719 $\pm$ 0.009 χ^2 /NDF: 2994.4/1

Right Out: 17.813 $\pm$ 0.005 χ^2 /NDF: 32713.6/18

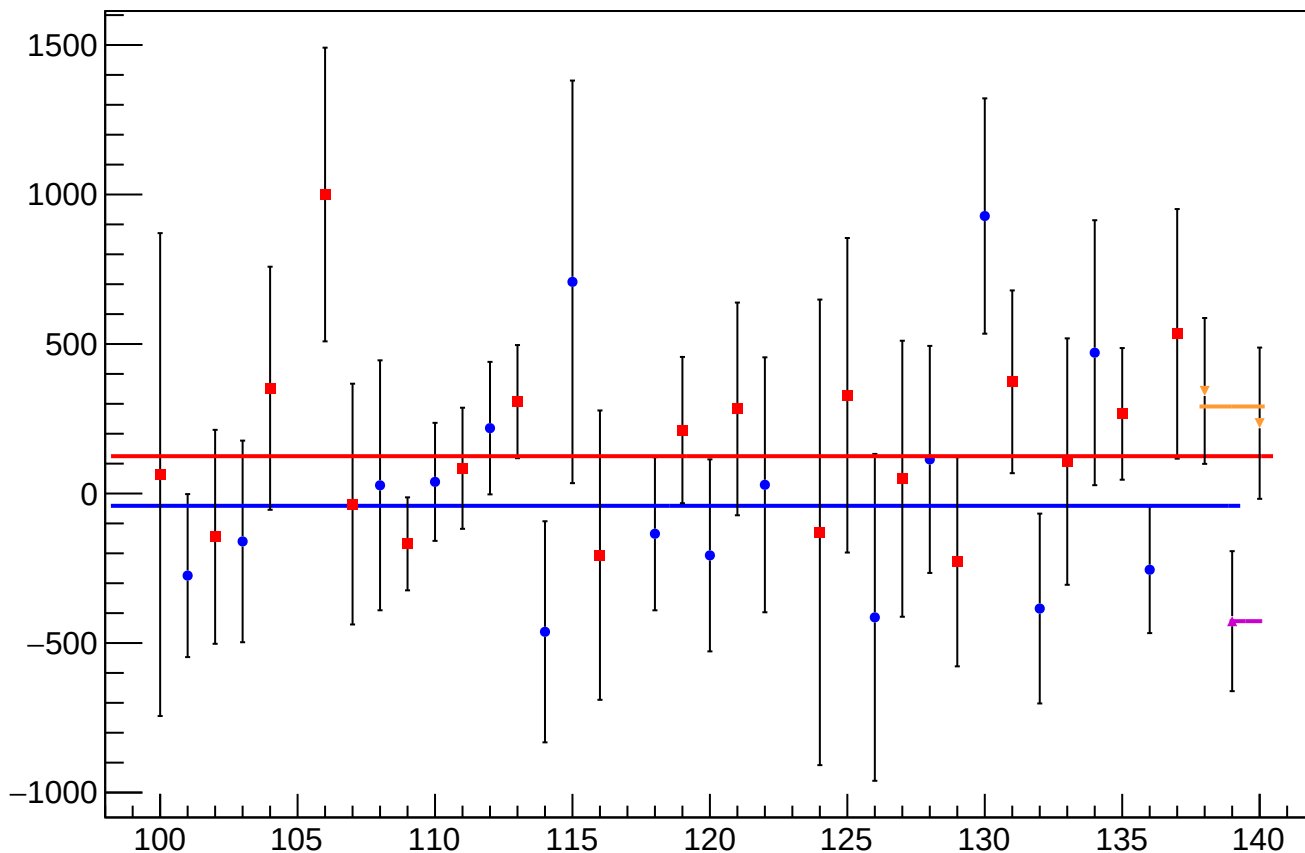
Left In: 16.804 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 17.513 $\pm$ 0.004 χ^2 /NDF: 48124.6/17

All: 17.603 $\pm$ 0.003 χ^2 /NDF: 87214.1/37

- sign 17.700 $\pm$ 0.004 χ^2 /NDF: 38122.0/19

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114 ± 77.139 χ^2/NDF : 15.6/15

Left Out: 291.092 ± 175.574 χ^2/NDF : 0.1/1

Right Out: 124.872 ± 69.109 χ^2/NDF : 12.9/18

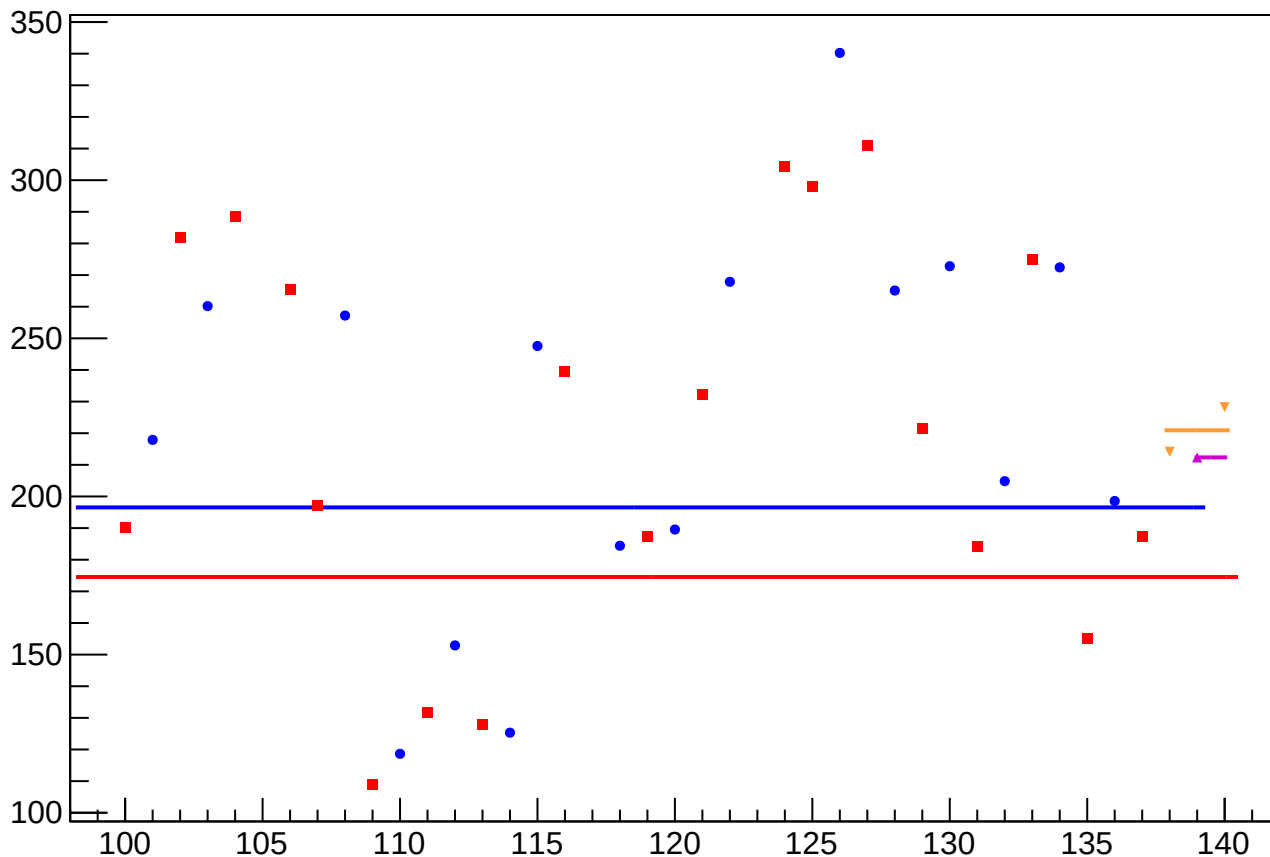
Left In: -426.844 ± 234.099 χ^2/NDF : 0.0/0

+ sign 12.636 ± 70.623 χ^2/NDF : 18.7/17

All: 48.796 ± 48.330 χ^2/NDF : 37.2/37

- sign 80.645 ± 66.281 χ^2/NDF : 18.0/19

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542 $\pm$ 0.055 χ^2 /NDF: 1000770.4/15

Left Out: 220.922 $\pm$ 0.124 χ^2 /NDF:3220.8/1

Right Out: 174.540 $\pm$ 0.049 χ^2 /NDF: 1588725.2/18

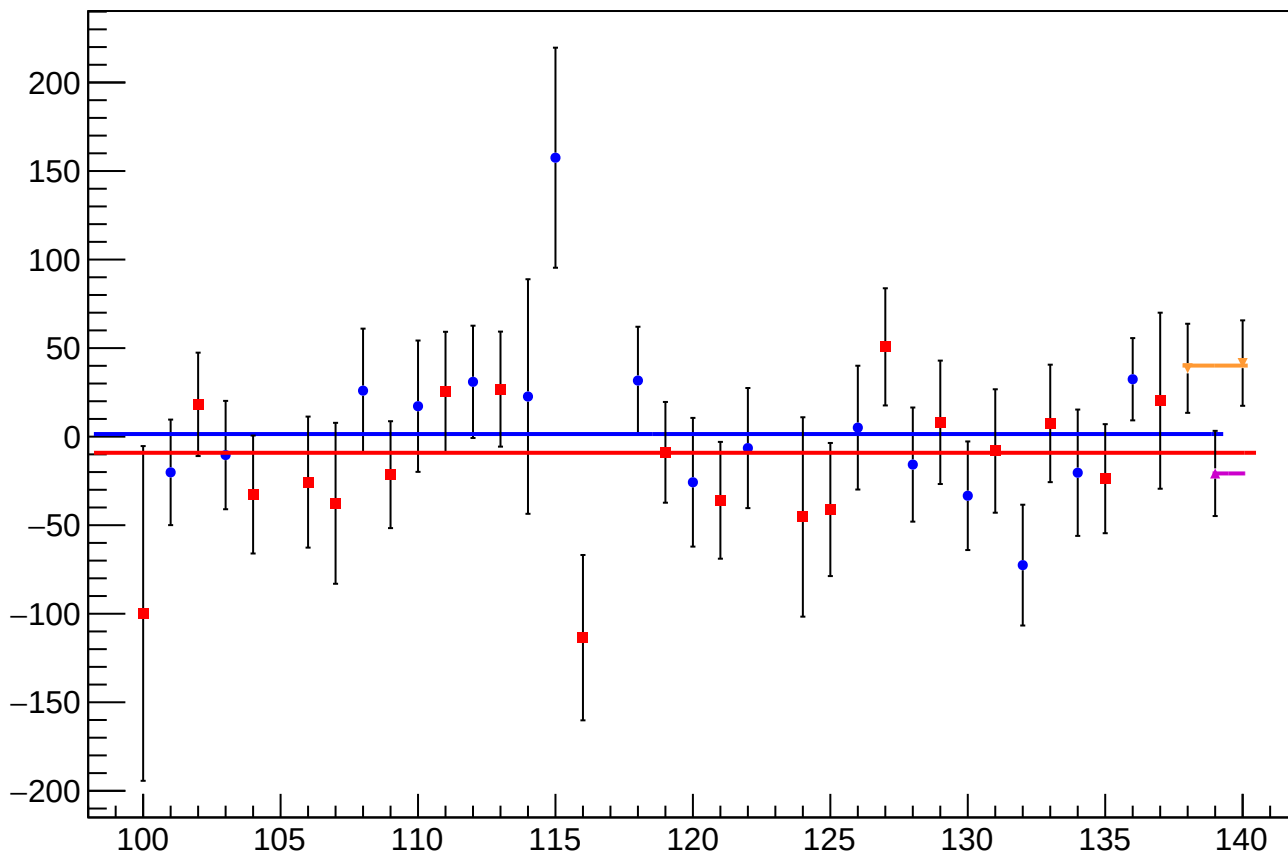
Left In: 212.354 $\pm$ 0.166 χ^2 /NDF:0.0/0

+ sign 200.487 $\pm$ 0.050 χ^2 /NDF: 1036314.1/17

All: 188.303 $\pm$ 0.034 χ^2 /NDF: 2784997.1/37

- sign 177.571 $\pm$ 0.047 χ^2 /NDF: 1636725.8/19

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.475 ± 8.370 χ^2/NDF : 18.7/15

Left Out: 40.133 ± 17.412 χ^2/NDF : 0.0/1

Right Out: -9.113 ± 8.198 χ^2/NDF : 16.5/18

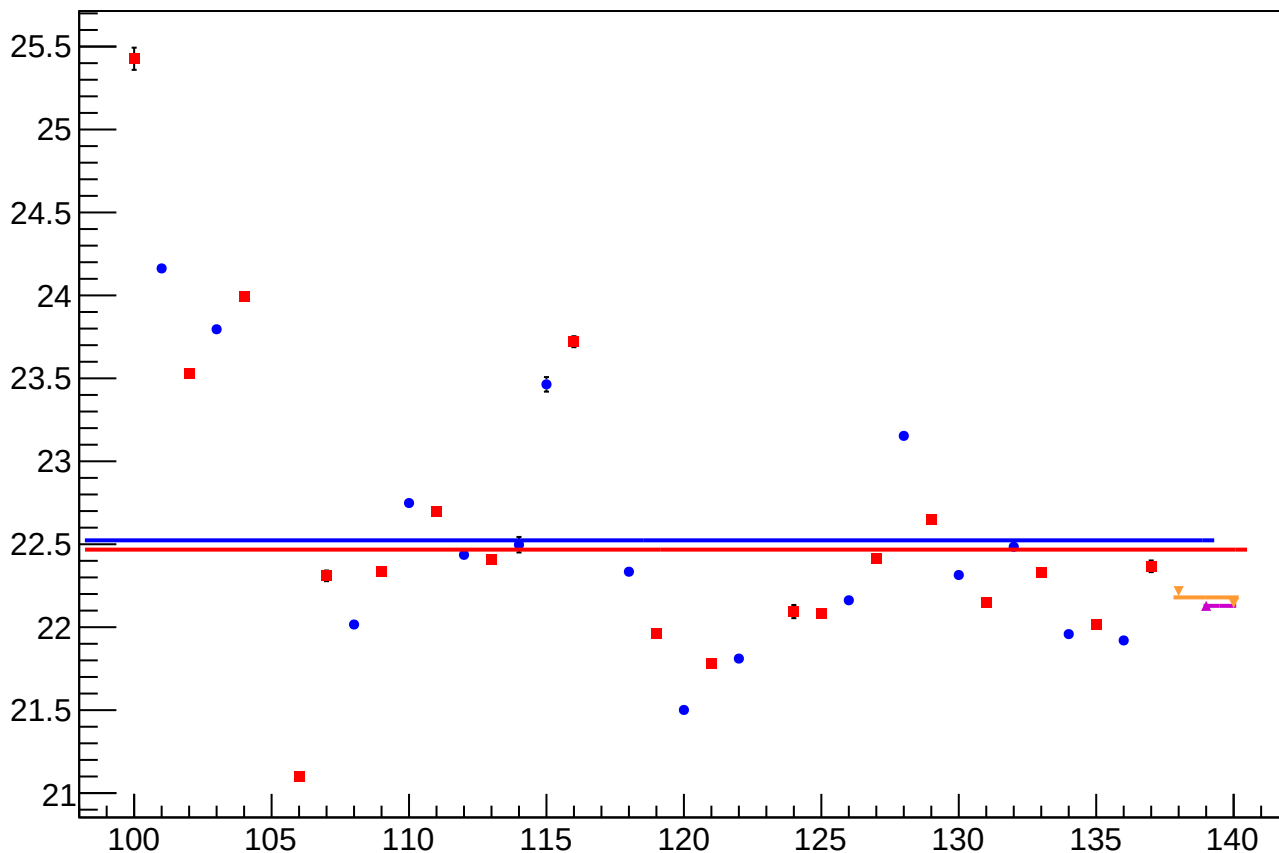
Left In: -20.777 ± 24.054 χ^2/NDF : 0.0/0

+ sign 8.732 ± 7.544 χ^2/NDF : 22.7/17

All: -0.529 ± 5.409 χ^2/NDF : 42.5/37

- sign -10.327 ± 7.759 χ^2/NDF : 16.7/19

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524 $\pm$ 0.006 χ^2 /NDF: 15947.8/15

Left Out: 22.180 $\pm$ 0.012 χ^2 /NDF: 8.6/1

Right Out: 22.468 $\pm$ 0.006 χ^2 /NDF: 15626.5/18

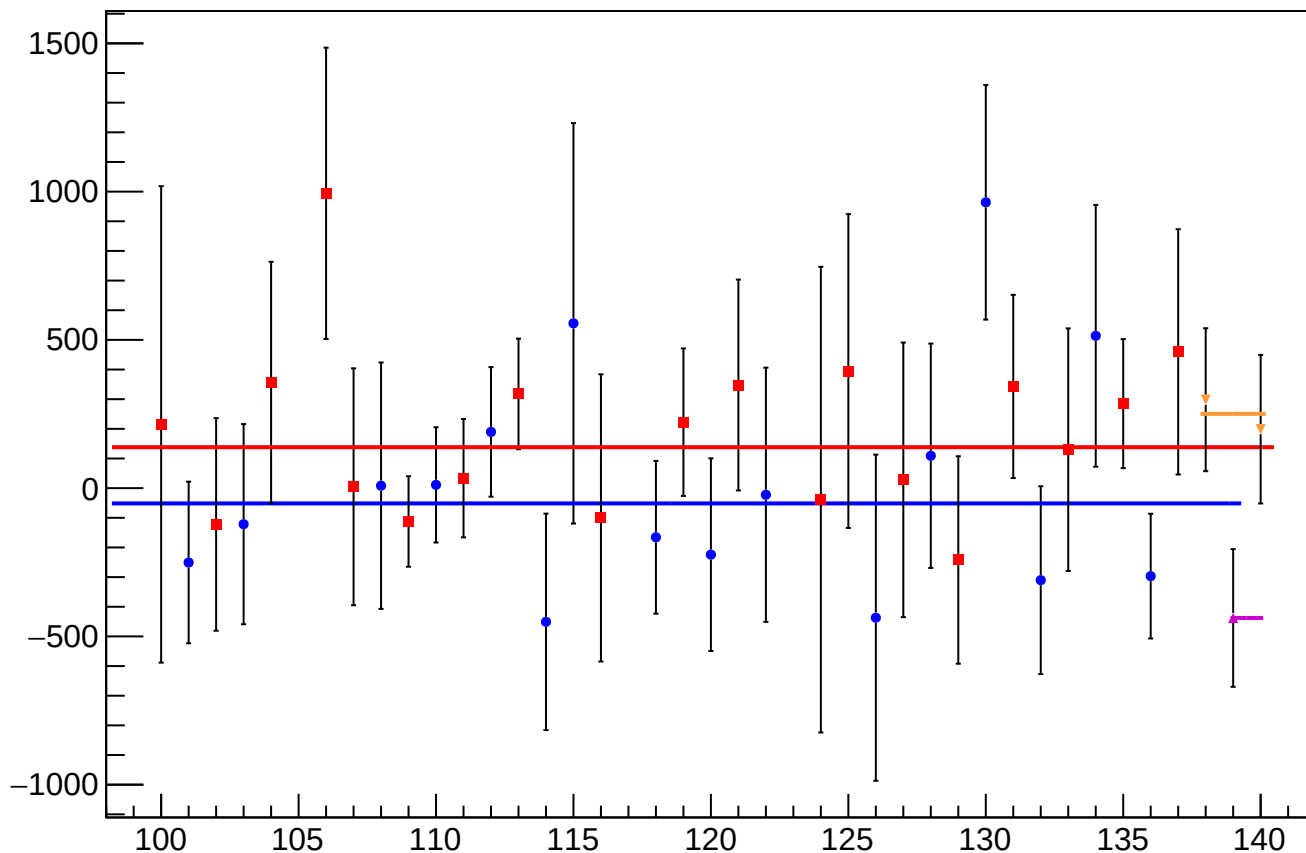
Left In: 22.129 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 22.459 $\pm$ 0.005 χ^2 /NDF: 16590.5/17

All: 22.446 $\pm$ 0.004 χ^2 /NDF: 32584.8/37

- sign 22.432 $\pm$ 0.005 χ^2 /NDF: 15982.1/19

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -51.492 ± 76.798 χ^2/NDF : 15.3/15

Left Out: 250.473 ± 173.705 χ^2/NDF : 0.1/1

Right Out: 138.184 ± 68.625 χ^2/NDF : 11.6/18

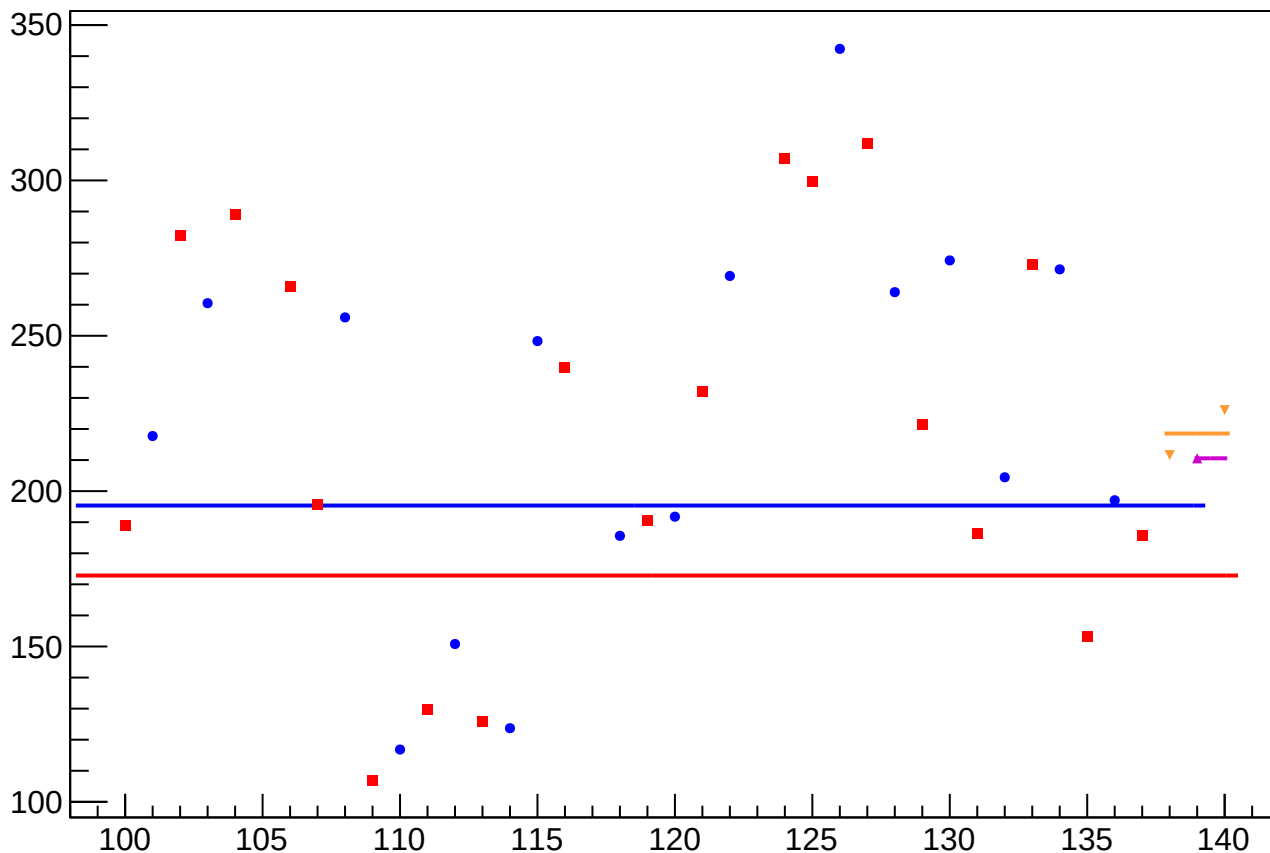
Left In: -437.814 ± 232.146 χ^2/NDF : 0.0/0

+ sign -2.118 ± 70.239 χ^2/NDF : 18.0/17

All: 47.946 ± 48.024 χ^2/NDF : 36.2/37

- sign 91.895 ± 65.809 χ^2/NDF : 17.3/19

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361 $\pm$ 0.054 χ^2 /NDF: 1041432.1/15

Left Out: 218.539 $\pm$ 0.123 χ^2 /NDF: 3466.9/1

Right Out: 172.837 $\pm$ 0.049 χ^2 /NDF: 1659430.2/18

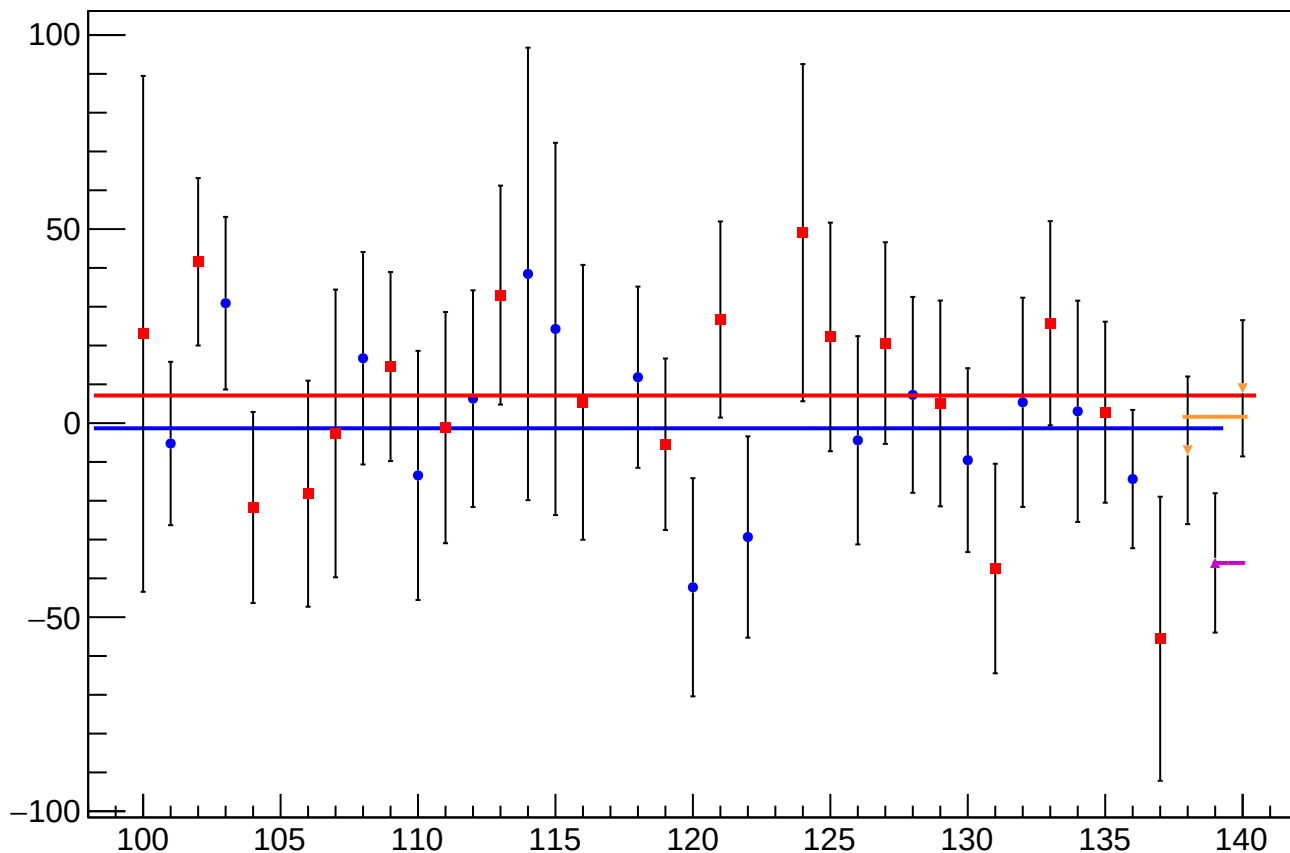
Left In: 210.559 $\pm$ 0.164 χ^2 /NDF: 0.0/0

+ sign 199.151 $\pm$ 0.050 χ^2 /NDF: 1074686.7/17

All: 186.752 $\pm$ 0.034 χ^2 /NDF: 2899702.1/37

- sign 175.868 $\pm$ 0.047 χ^2 /NDF: 1707994.1/19

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.331 ± 6.499 χ^2/NDF : 8.0/15

Left Out: 1.629 ± 12.899 χ^2/NDF : 0.4/1

Right Out: 7.126 ± 6.402 χ^2/NDF : 14.4/18

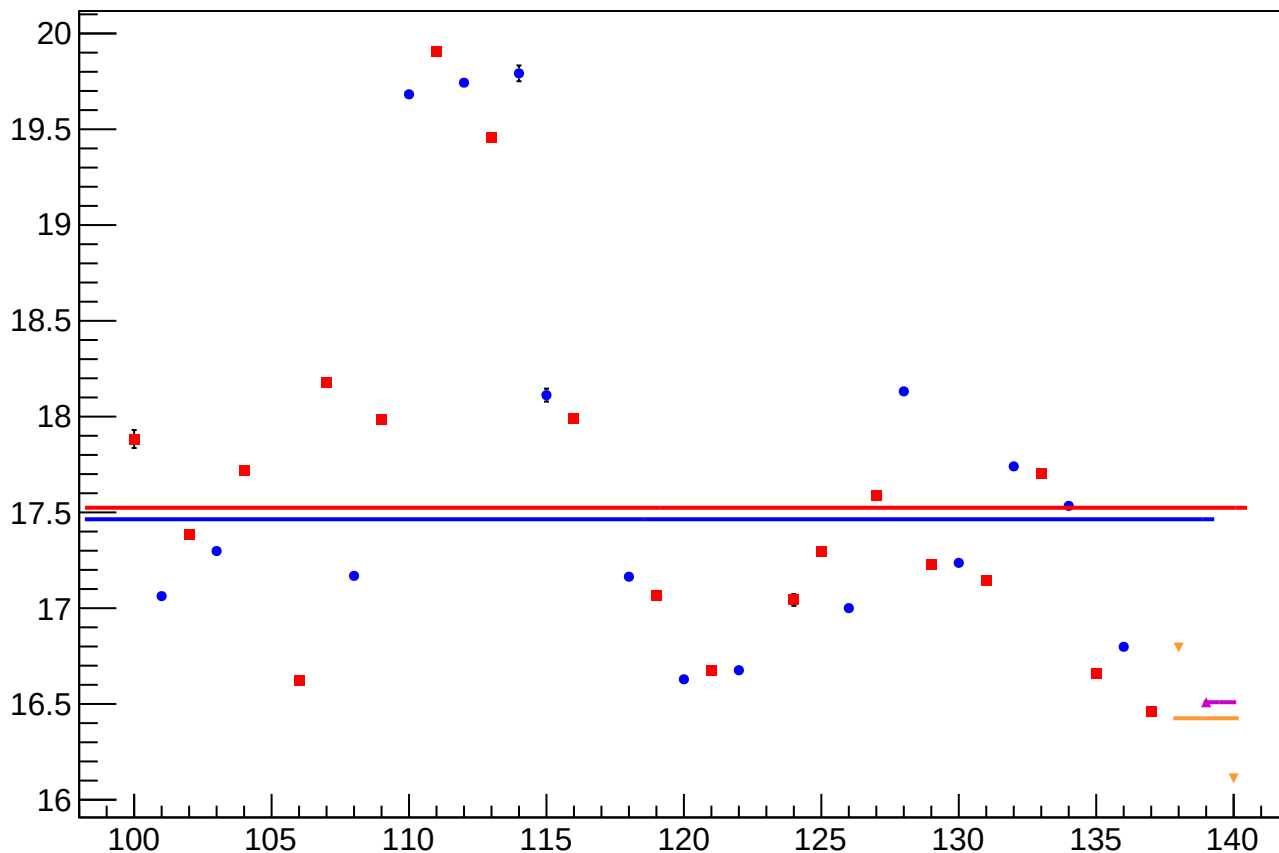
Left In: -36.013 ± 17.957 χ^2/NDF : 0.0/0

+ sign -0.732 ± 5.804 χ^2/NDF : 8.4/17

All: 0.708 ± 4.182 χ^2/NDF : 28.1/37

- sign 2.262 ± 6.030 χ^2/NDF : 19.5/19

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464 $\pm$ 0.005 χ^2 /NDF: 36650.1/15

Left Out: 16.425 $\pm$ 0.009 χ^2 /NDF: 1392.4/1

Right Out: 17.524 $\pm$ 0.005 χ^2 /NDF: 34726.0/18

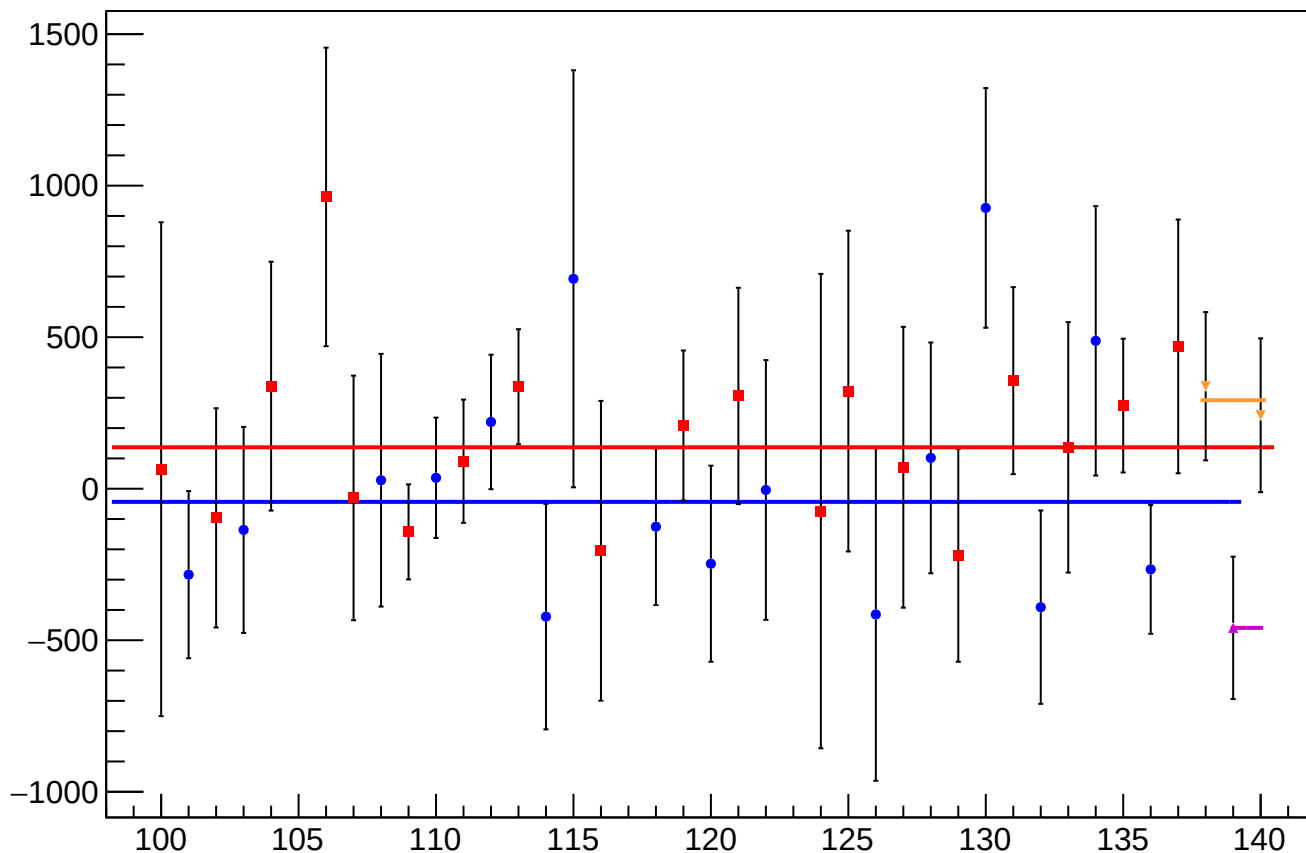
Left In: 16.509 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 17.254 $\pm$ 0.004 χ^2 /NDF: 48386.6/17

All: 17.329 $\pm$ 0.003 χ^2 /NDF: 89478.1/37

- sign 17.410 $\pm$ 0.004 χ^2 /NDF: 40397.1/19

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -43.384 ± 77.584 χ^2/NDF : 15.5/15

Left Out: 292.026 ± 176.090 χ^2/NDF : 0.1/1

Right Out: 136.778 ± 69.557 χ^2/NDF : 11.5/18

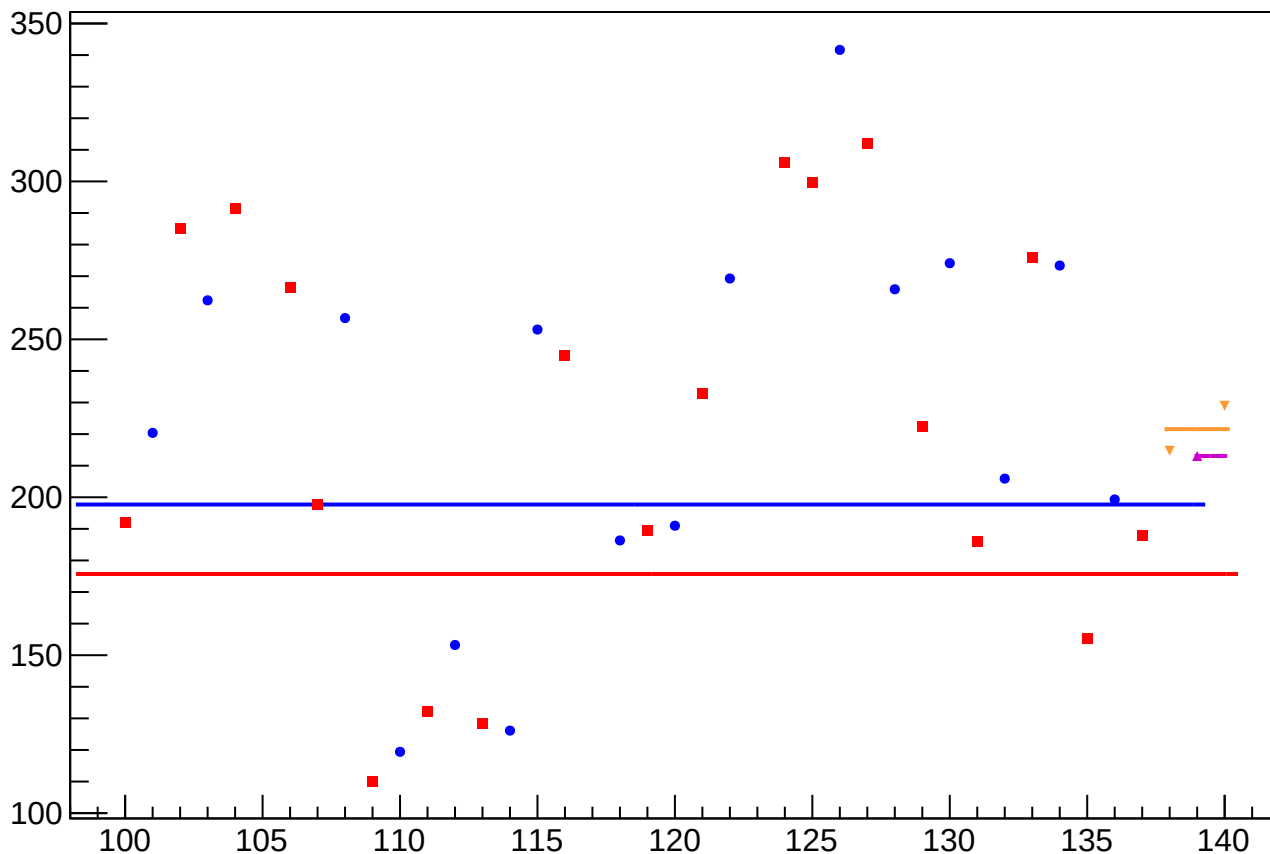
Left In: -459.093 ± 234.896 χ^2/NDF : 0.0/0

+ sign 11.142 ± 70.998 χ^2/NDF : 18.6/17

All: 52.365 ± 48.610 χ^2/NDF : 36.7/37

- sign 88.741 ± 66.694 χ^2/NDF : 17.5/19

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707 $\pm$ 0.055 χ^2 /NDF: 1000324.6/15

Left Out: 221.576 $\pm$ 0.125 χ^2 /NDF:3257.7/1

Right Out: 175.716 $\pm$ 0.049 χ^2 /NDF: 1590559.8/18

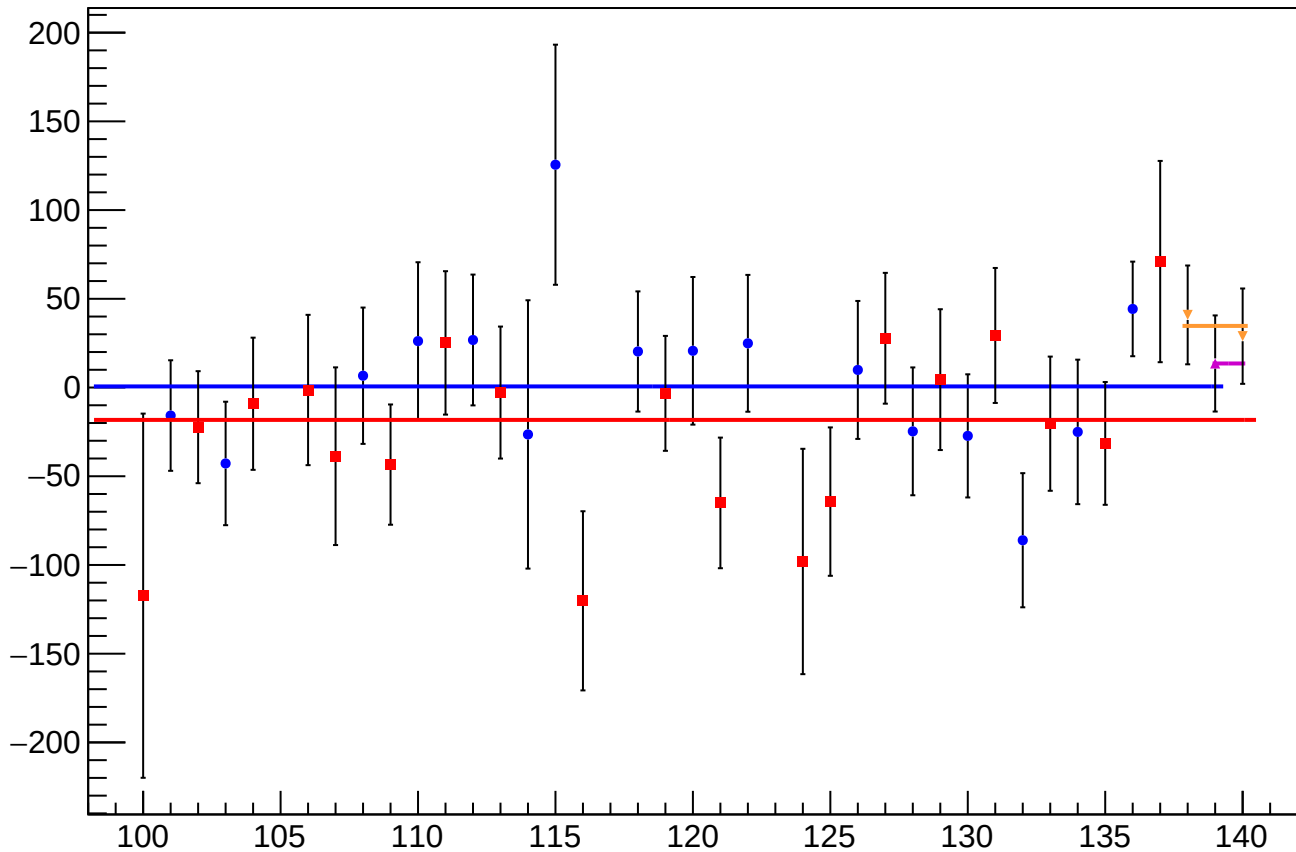
Left In: 213.079 $\pm$ 0.166 χ^2 /NDF:0.0/0

+ sign 201.587 $\pm$ 0.050 χ^2 /NDF: 1034354.7/17

All: 189.444 $\pm$ 0.034 χ^2 /NDF: 2781580.2/37

- sign 178.728 $\pm$ 0.047 χ^2 /NDF: 1637081.5/19

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.619 ± 9.421 χ^2/NDF : 16.7/15

Left Out: 34.719 ± 19.334 χ^2/NDF : 0.1/1

Right Out: -18.248 ± 9.208 χ^2/NDF : 18.0/18

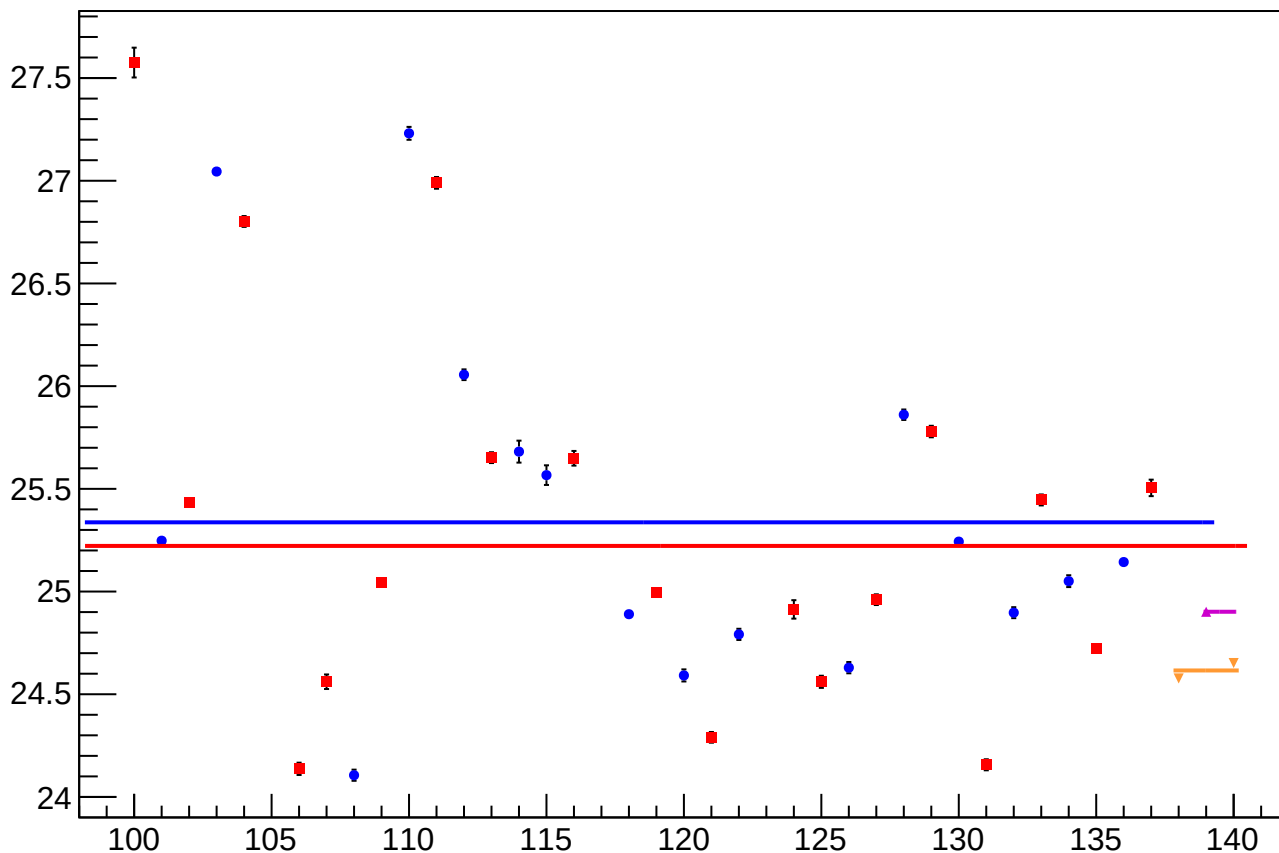
Left In: 13.550 ± 27.085 χ^2/NDF : 0.0/0

+ sign 7.163 ± 8.469 χ^2/NDF : 19.3/17

All: -3.575 ± 6.075 χ^2/NDF : 41.9/37

- sign -14.953 ± 8.718 χ^2/NDF : 19.2/19

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337 ± 0.007 $\chi^2/NDF: 14315.0/15$

Left Out: 24.616 ± 0.014 $\chi^2/NDF: 7.5/1$

Right Out: 25.222 ± 0.007 $\chi^2/NDF: 15224.4/18$

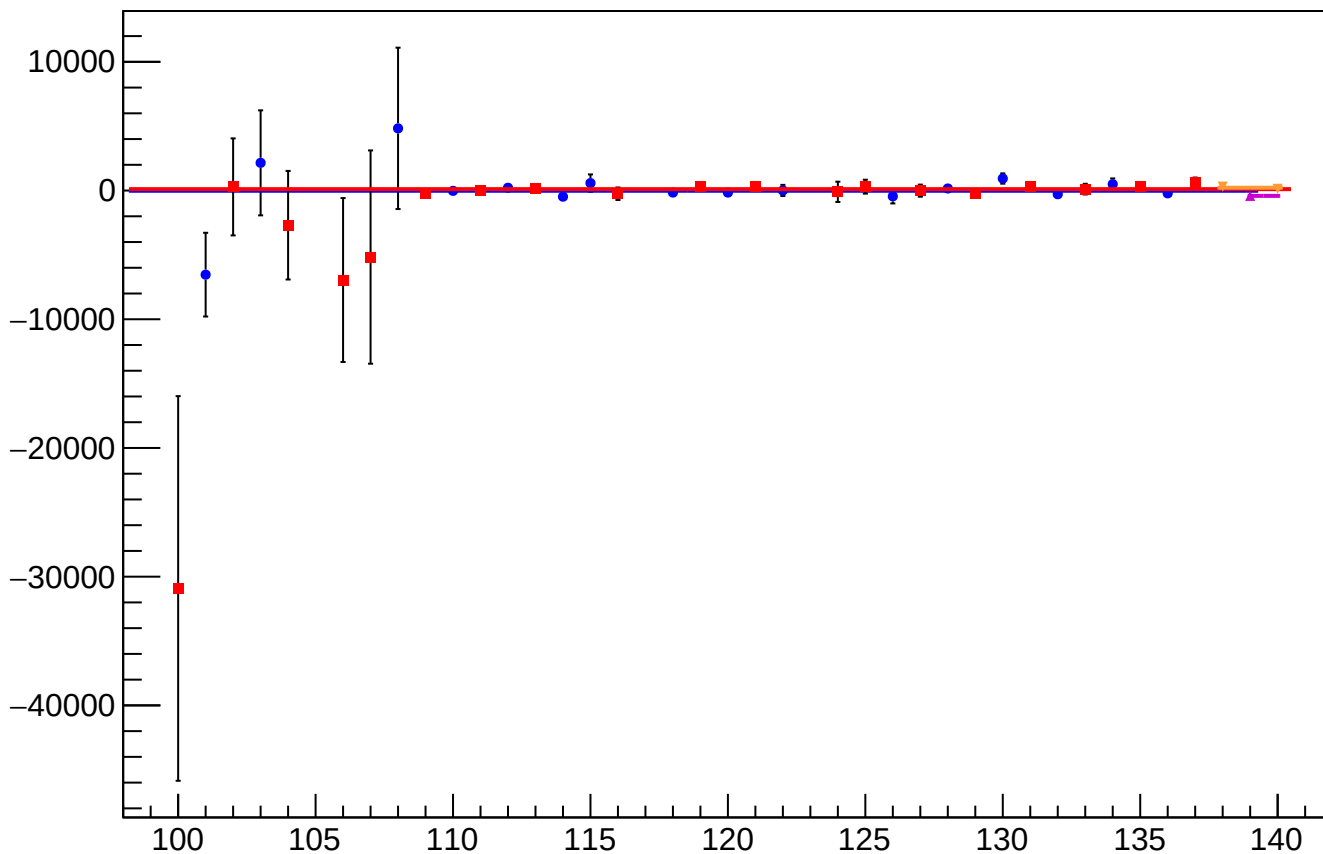
Left In: 24.902 ± 0.019 $\chi^2/NDF: 0.0/0$

+ sign 25.199 ± 0.006 $\chi^2/NDF: 16571.7/17$

All: 25.194 ± 0.004 $\chi^2/NDF: 32048.5/37$

- sign 25.189 ± 0.006 $\chi^2/NDF: 15475.5/19$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -15.450 ± 84.701 χ^2/NDF : 18.3/15

Left Out: 220.062 ± 172.131 χ^2/NDF : 0.2/1

Right Out: 108.825 ± 78.099 χ^2/NDF : 14.0/18

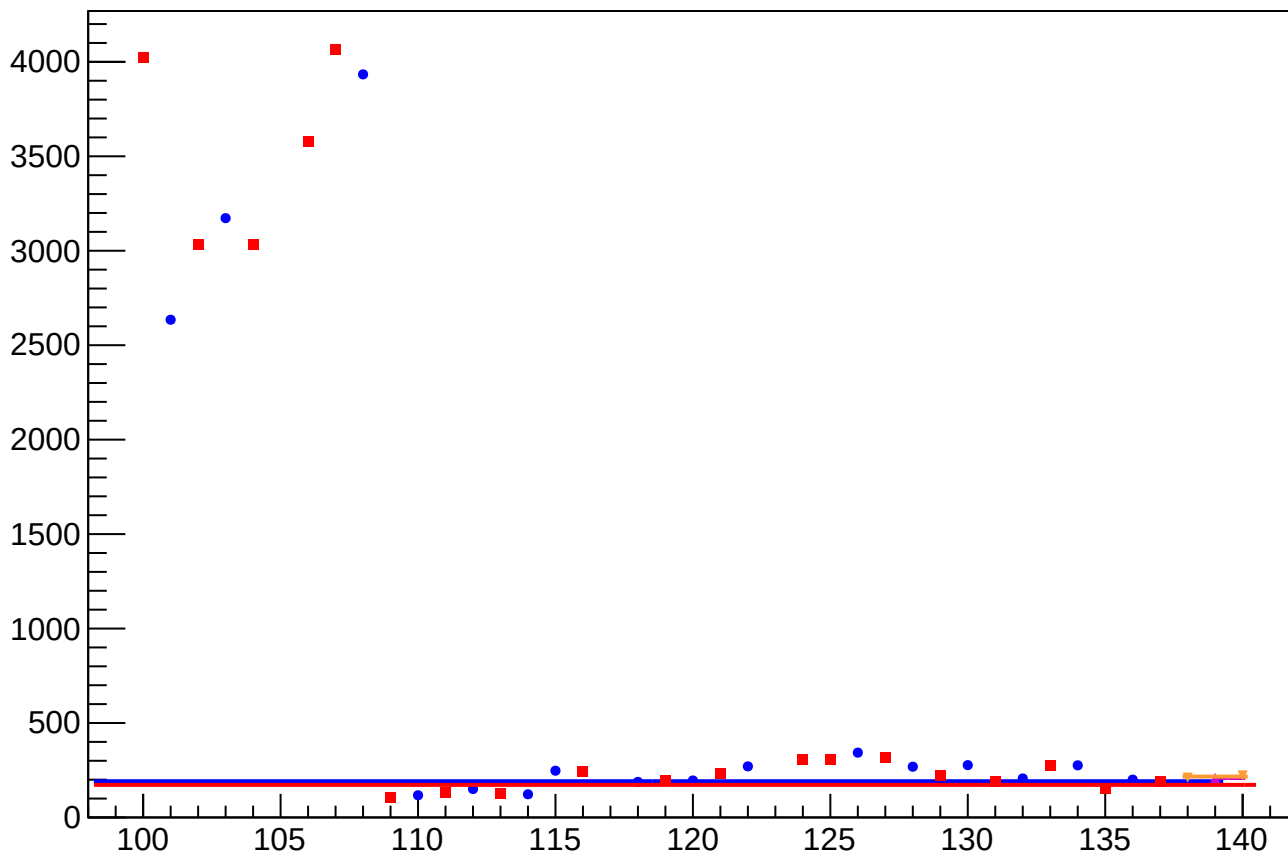
Left In: -413.517 ± 230.603 χ^2/NDF : 0.0/0

+ sign 30.459 ± 75.998 χ^2/NDF : 20.1/17

All: 43.101 ± 53.008 χ^2/NDF : 38.8/37

- sign 55.078 ± 73.972 χ^2/NDF : 18.6/19

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736 $\pm$ 0.060 χ^2 /NDF: 3821804.2/15

Left Out: 216.492 $\pm$ 0.122 χ^2 /NDF:2198.6/1

Right Out: 172.462 $\pm$ 0.055 χ^2 /NDF: 4303129.4/18

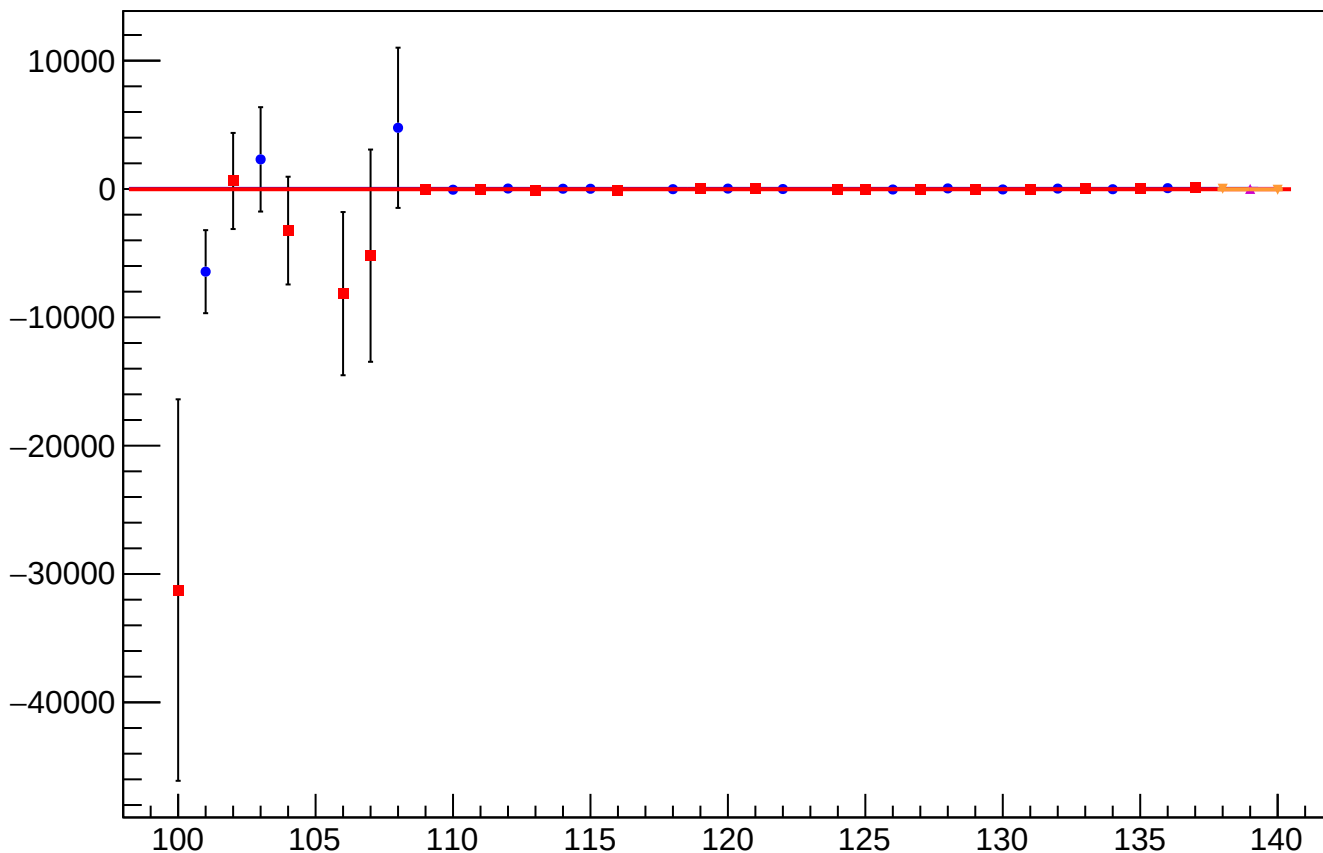
Left In: 208.965 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 196.561 $\pm$ 0.054 χ^2 /NDF: 3857308.1/17

All: 186.115 $\pm$ 0.037 χ^2 /NDF: 8278982.4/37

- sign 176.218 $\pm$ 0.052 χ^2 /NDF: 4348085.5/19

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576 ± 11.685 χ^2/NDF : 16.0/15

Left Out: -21.535 ± 22.135 χ^2/NDF : 3.3/1

Right Out: -18.105 ± 11.805 χ^2/NDF : 24.8/18

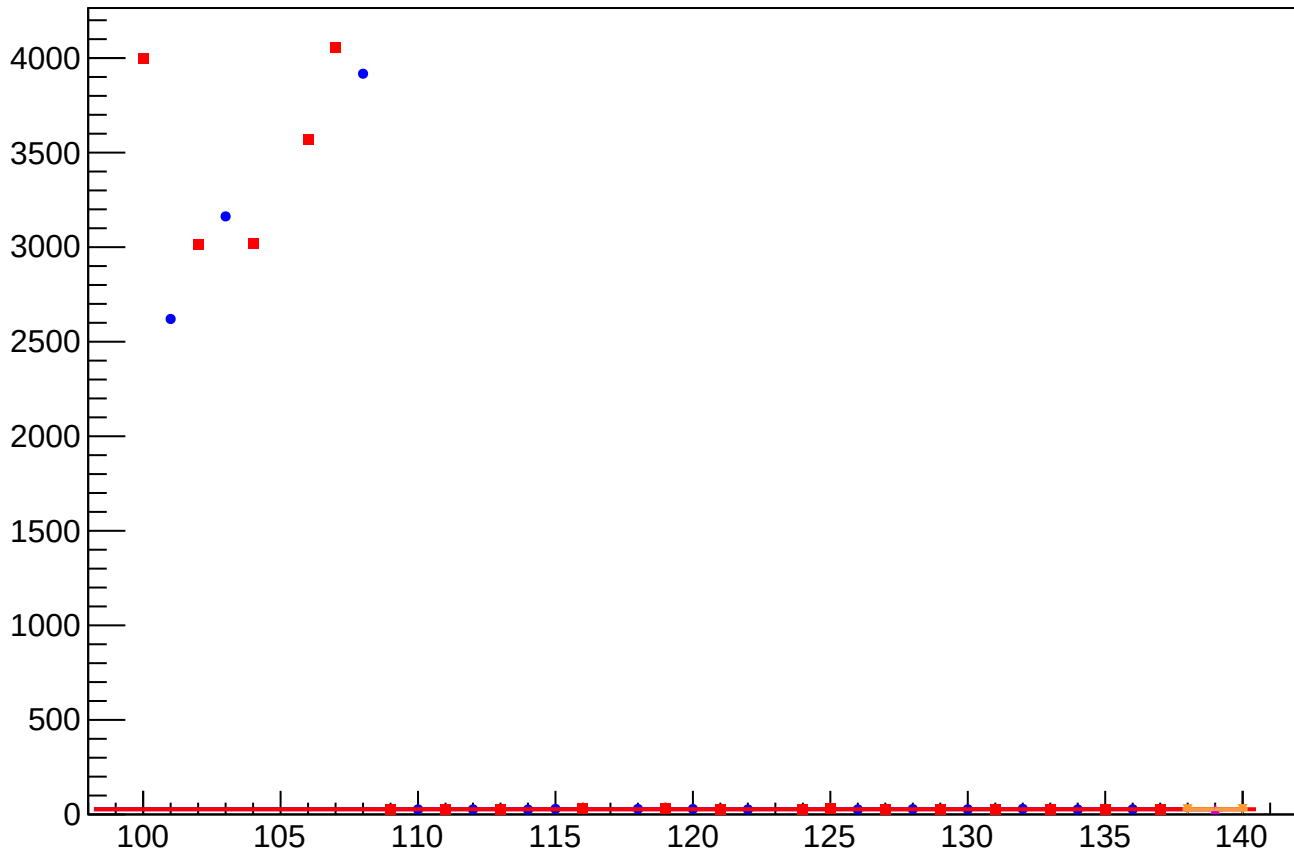
Left In: 9.113 ± 30.535 χ^2/NDF : 0.0/0

+ sign 2.796 ± 10.333 χ^2/NDF : 20.8/17

All: -5.334 ± 7.535 χ^2/NDF : 47.6/37

- sign -14.566 ± 11.011 χ^2/NDF : 25.5/19

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642 $\pm$ 0.008 χ^2 /NDF: 3265498.5/15

Left Out: 28.079 $\pm$ 0.016 χ^2 /NDF: 161.8/1

Right Out: 27.535 $\pm$ 0.008 χ^2 /NDF: 3555229.4/18

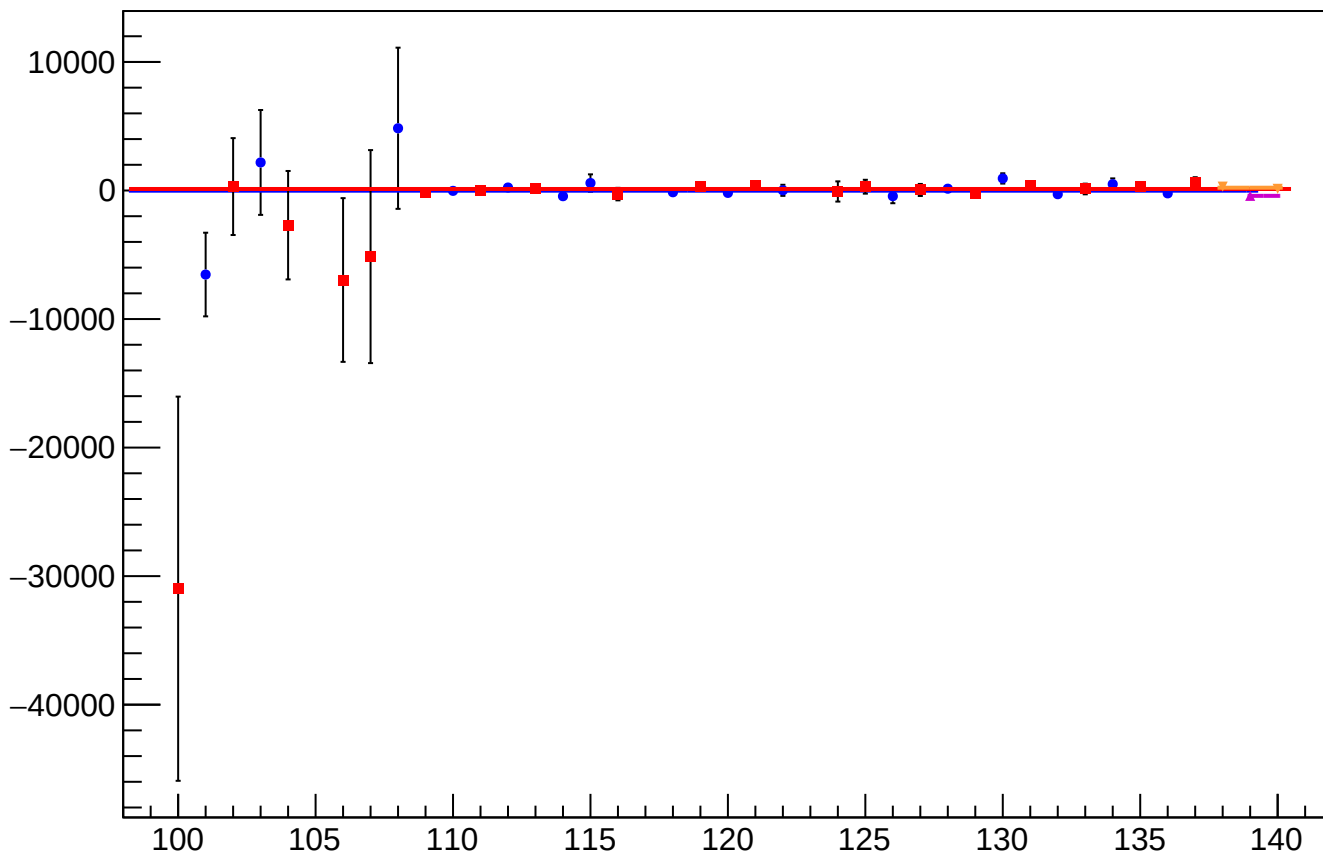
Left In: 27.995 $\pm$ 0.022 χ^2 /NDF: 0.0/0

+ sign 27.737 $\pm$ 0.007 χ^2 /NDF: 3266271.7/17

All: 27.670 $\pm$ 0.005 χ^2 /NDF: 6822074.3/37

- sign 27.594 $\pm$ 0.008 χ^2 /NDF: 3555624.4/19

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160 ± 84.454 χ^2/NDF : 18.3/15

Left Out: 217.227 ± 171.670 χ^2/NDF : 0.2/1

Right Out: 118.063 ± 77.862 χ^2/NDF : 14.4/18

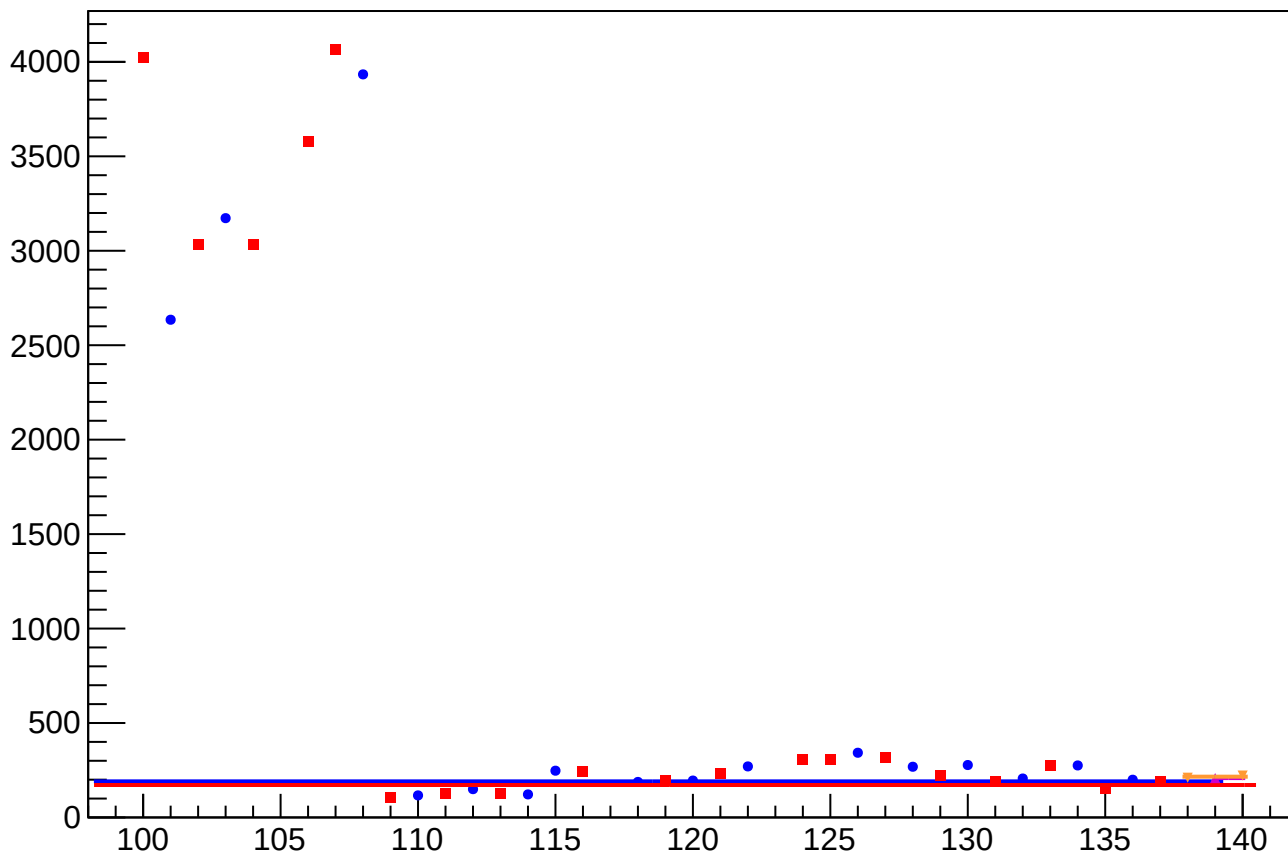
Left In: -416.263 ± 230.072 χ^2/NDF : 0.0/0

+ sign 31.733 ± 75.780 χ^2/NDF : 20.0/17

All: 47.870 ± 52.854 χ^2/NDF : 39.4/37

- sign 63.154 ± 73.753 χ^2/NDF : 19.3/19

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070 $\pm$ 0.060 χ^2 /NDF: 3833952.4/15

Left Out: 215.913 $\pm$ 0.121 χ^2 /NDF:2202.9/1

Right Out: 171.835 $\pm$ 0.055 χ^2 /NDF: 4314721.8/18

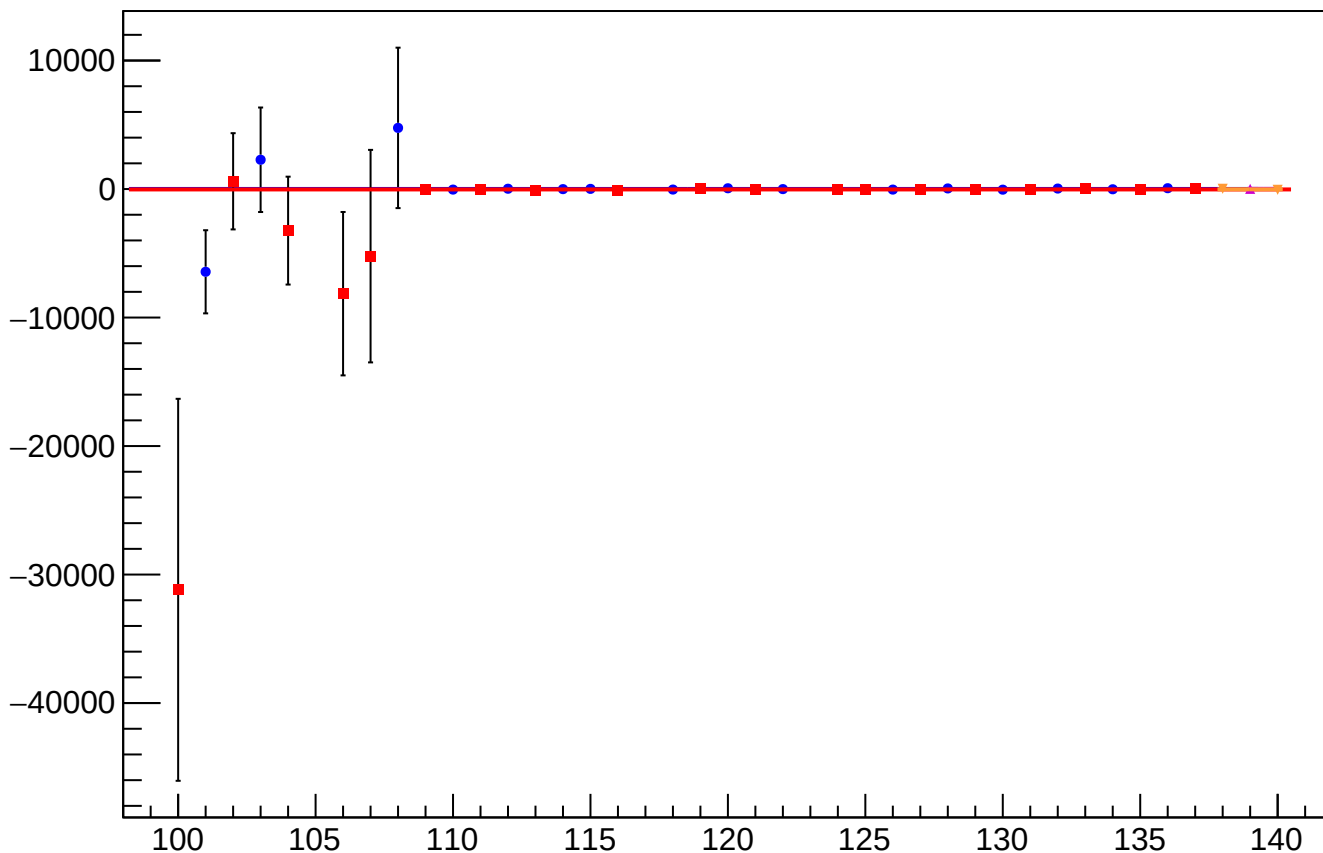
Left In: 208.481 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 195.911 $\pm$ 0.054 χ^2 /NDF: 3869878.9/17

All: 185.481 $\pm$ 0.037 χ^2 /NDF: 8303903.8/37

- sign 175.601 $\pm$ 0.052 χ^2 /NDF: 4360248.2/19

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490 $\pm$ 11.764 χ^2 /NDF: 18.3/15

Left Out: -21.073 $\pm$ 22.251 χ^2 /NDF: 3.2/1

Right Out: -30.962 $\pm$ 11.902 χ^2 /NDF: 19.9/18

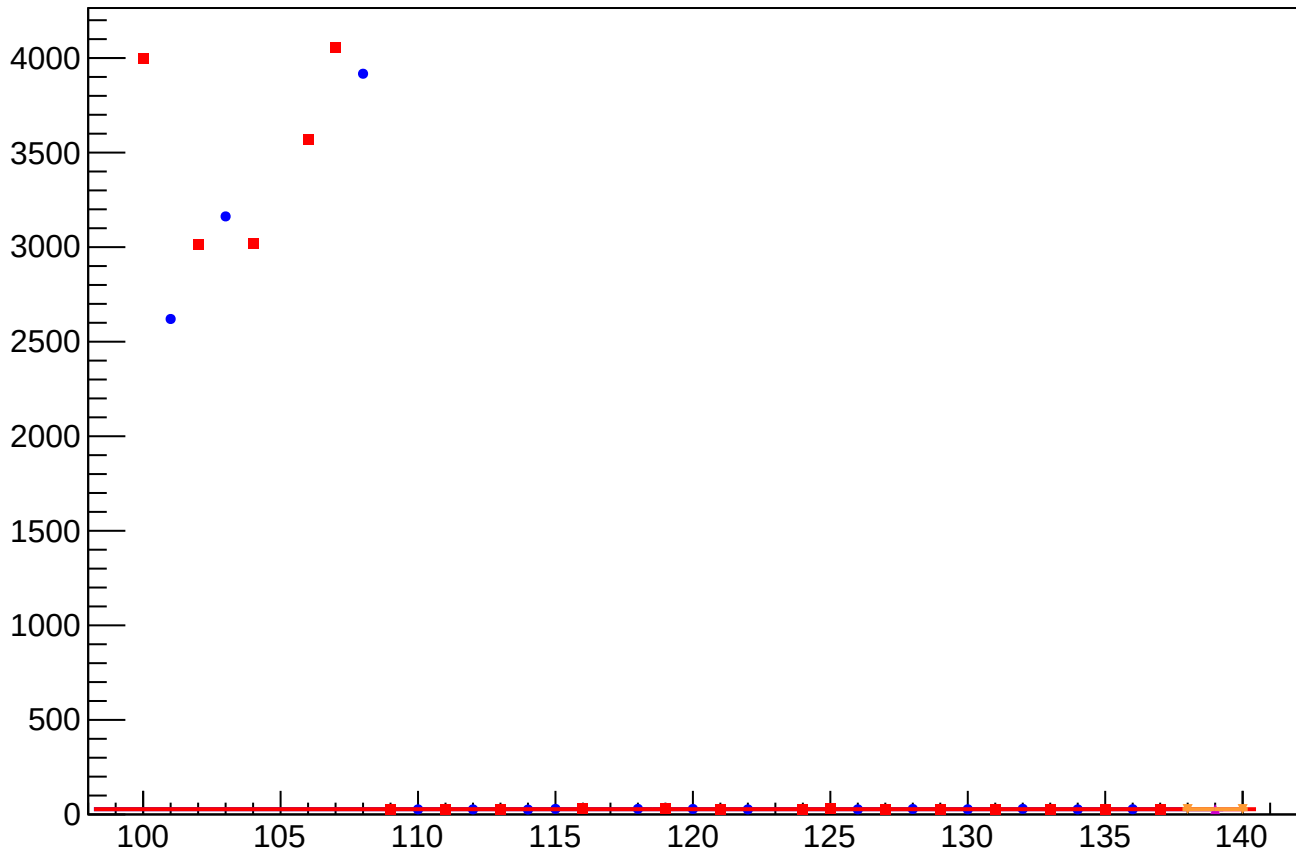
Left In: 15.527 $\pm$ 30.693 χ^2 /NDF: 0.0/0

+ sign 0.468 $\pm$ 10.400 χ^2 /NDF: 22.7/17

All: -11.388 $\pm$ 7.588 χ^2 /NDF: 47.3/37

- sign -24.886 $\pm$ 11.097 χ^2 /NDF: 21.9/19

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2 /NDF: 3265895.3/15

Left Out: 28.229+/-0.016 χ^2 /NDF: 5.9/1

Right Out: 27.754+/-0.008 χ^2 /NDF: 3558676.9/18

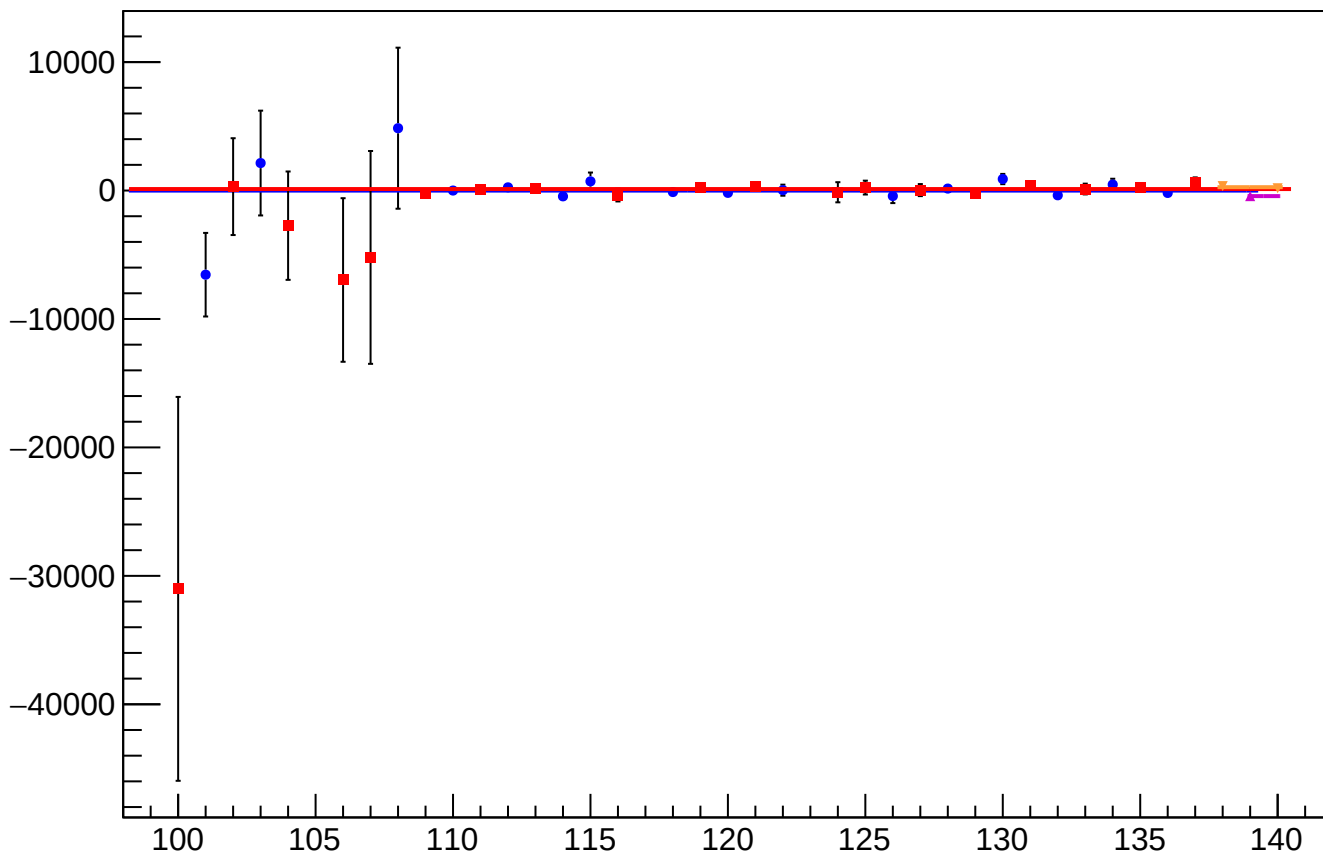
Left In: 28.138+/-0.022 χ^2 /NDF: 0.0/0

+ sign 27.913+/-0.007 χ^2 /NDF: 3266416.5/17

All: 27.862+/-0.005 χ^2 /NDF: 6825470.0/37

- sign 27.804+/-0.008 χ^2 /NDF: 3558950.2/19

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -2.795 ± 85.508 χ^2/NDF : 18.2/15

Left Out: 260.440 ± 174.423 χ^2/NDF : 0.2/1

Right Out: 115.753 ± 78.952 χ^2/NDF : 13.8/18

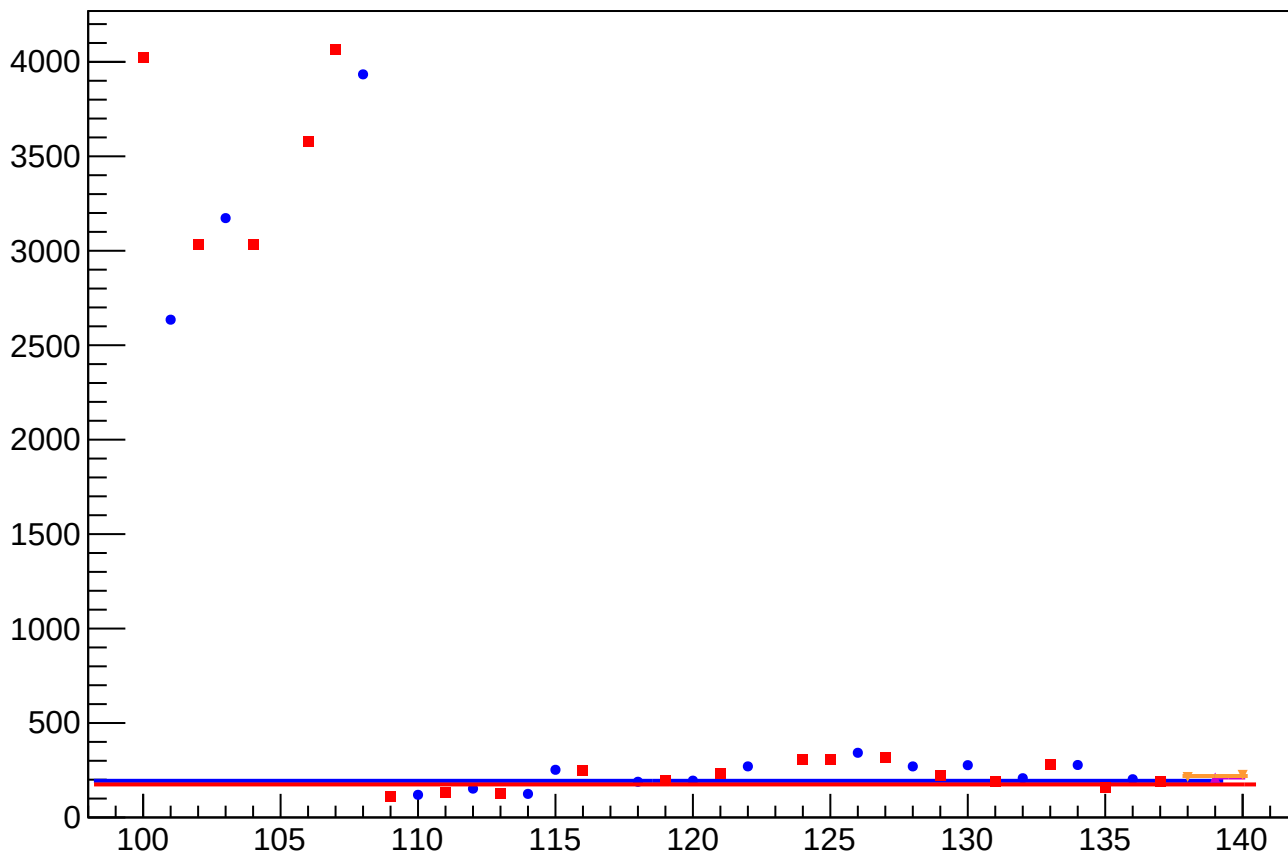
Left In: -433.191 ± 233.273 χ^2/NDF : 0.0/0

+ sign 48.210 ± 76.778 χ^2/NDF : 20.3/17

All: 53.918 ± 53.572 χ^2/NDF : 39.1/37

- sign 59.333 ± 74.785 χ^2/NDF : 18.8/19

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946 $\pm$ 0.060 χ^2 /NDF: 3784467.5/15

Left Out: 219.402 $\pm$ 0.123 χ^2 /NDF:2071.0/1

Right Out: 174.779 $\pm$ 0.056 χ^2 /NDF: 4259323.6/18

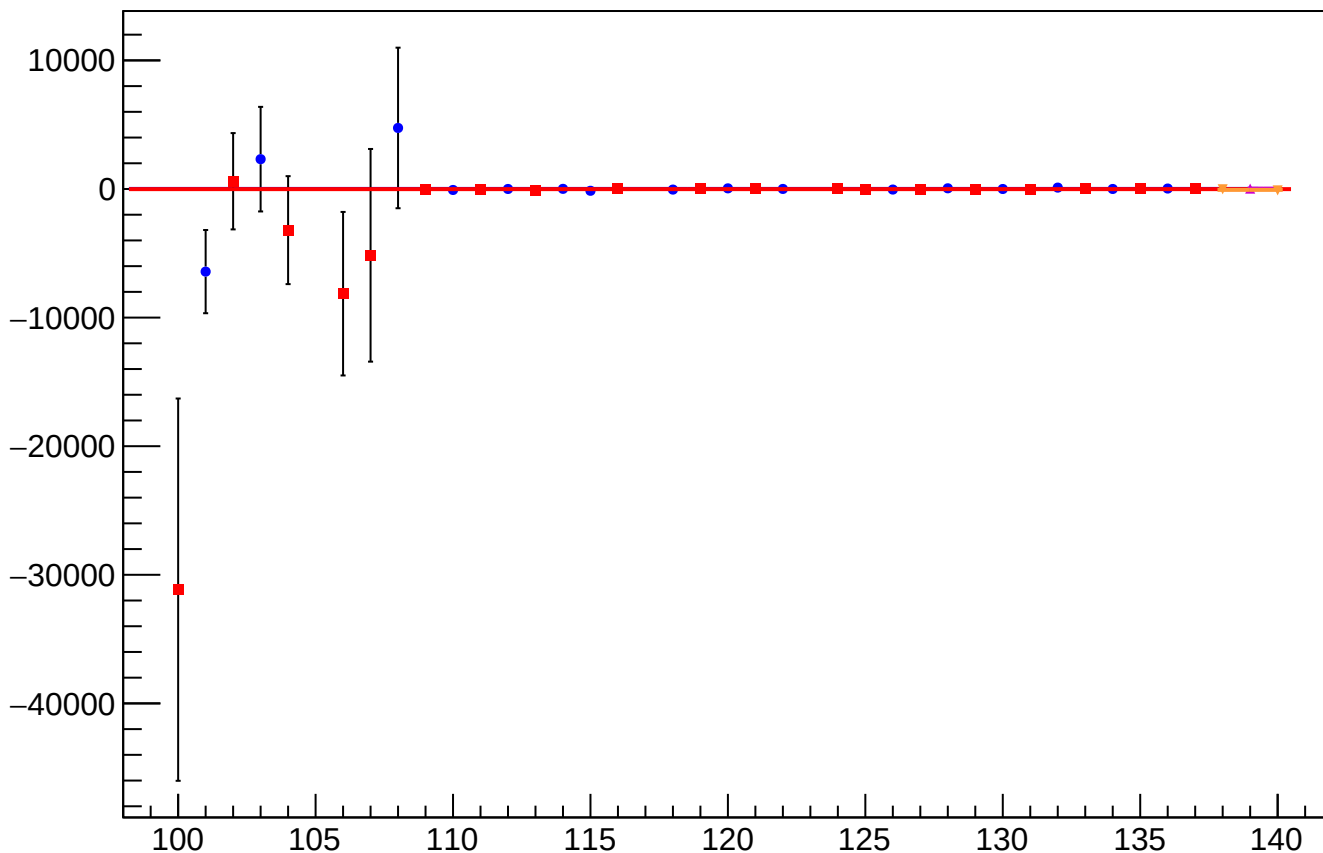
Left In: 211.407 $\pm$ 0.165 χ^2 /NDF:0.0/0

+ sign 198.879 $\pm$ 0.054 χ^2 /NDF: 3820883.9/17

All: 188.444 $\pm$ 0.038 χ^2 /NDF: 8196438.6/37

- sign 178.544 $\pm$ 0.053 χ^2 /NDF: 4303564.5/19

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660 ± 14.306 χ^2/NDF : 17.5/15

Left Out: -66.637 ± 27.022 χ^2/NDF : 2.4/1

Right Out: -10.003 ± 14.433 χ^2/NDF : 23.4/18

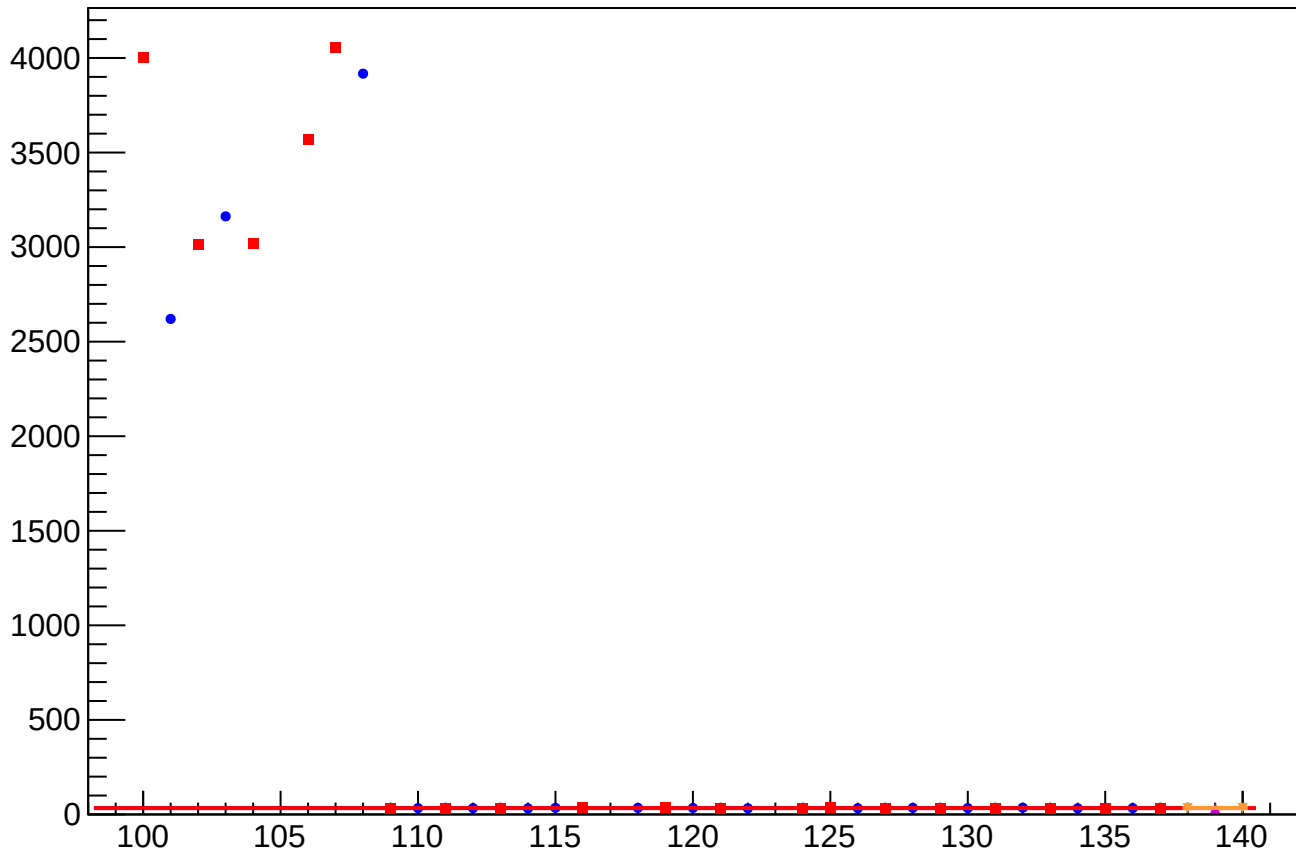
Left In: 29.852 ± 37.173 χ^2/NDF : 0.0/0

+ sign -10.167 ± 12.643 χ^2/NDF : 25.5/17

All: -7.642 ± 9.213 χ^2/NDF : 50.0/37

- sign -4.782 ± 13.454 χ^2/NDF : 24.4/19

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF : 3244382.4/15

Left Out: 34.311+/-0.019 χ^2/NDF : 498.1/1

Right Out: 33.726+/-0.010 χ^2/NDF : 3526463.8/18

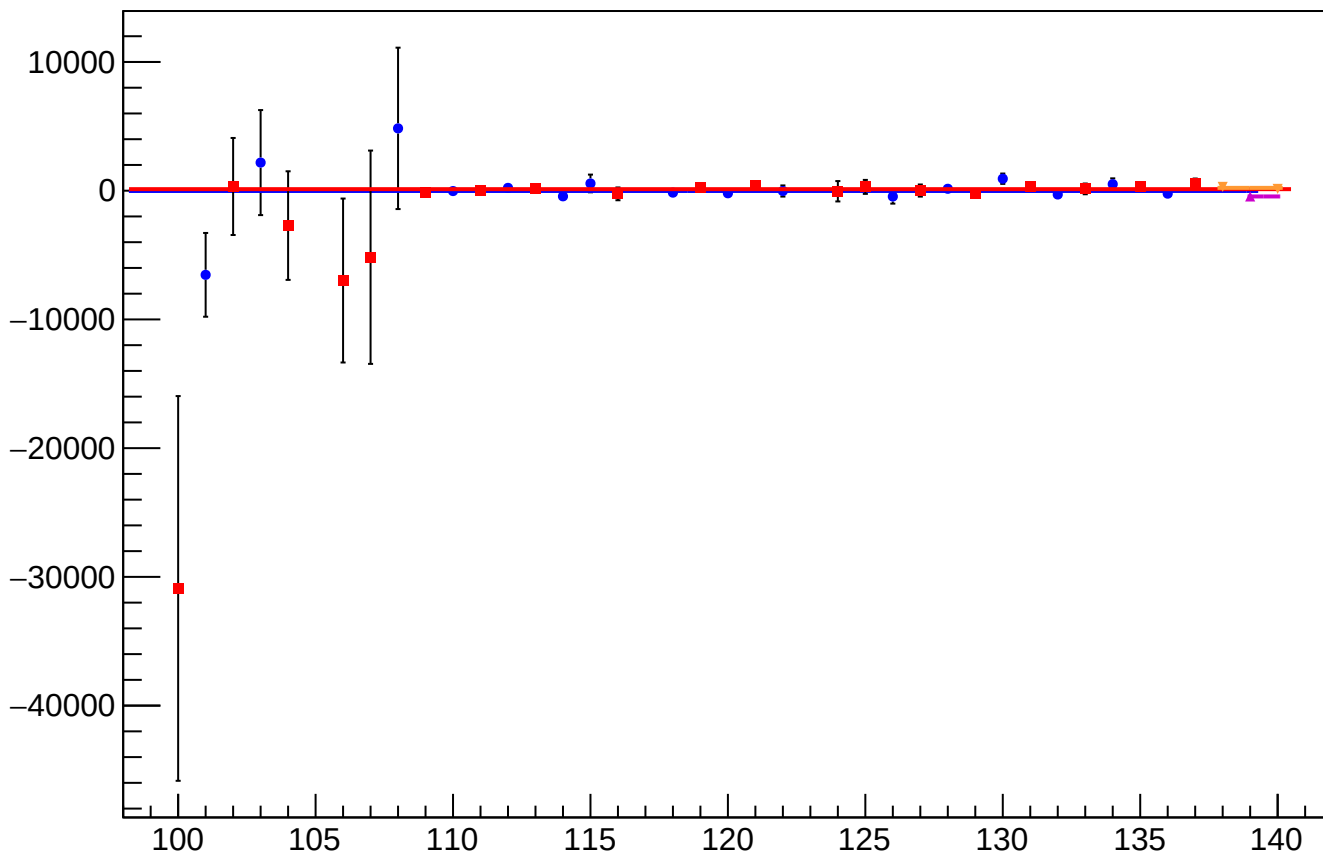
Left In: 34.124+/-0.026 χ^2/NDF : 0.0/0

+ sign 33.989+/-0.009 χ^2/NDF : 3245242.0/17

All: 33.890+/-0.007 χ^2/NDF : 6772166.7/37

- sign 33.778+/-0.010 χ^2/NDF : 3526662.9/19

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -19.522 ± 85.063 χ^2/NDF : 18.2/15

Left Out: 219.913 ± 172.572 χ^2/NDF : 0.2/1

Right Out: 119.922 ± 78.455 χ^2/NDF : 13.3/18

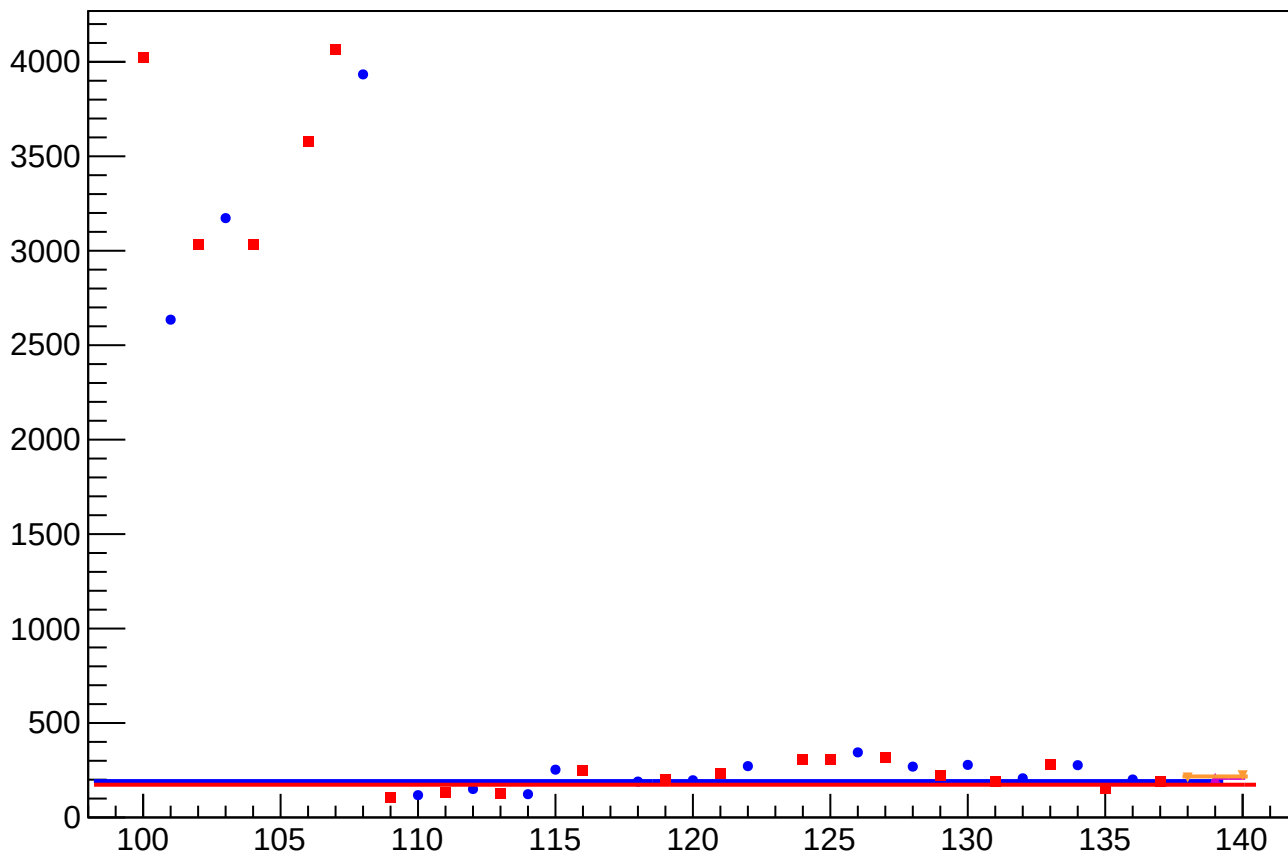
Left In: -446.867 ± 231.334 χ^2/NDF : 0.0/0

+ sign 27.281 ± 76.298 χ^2/NDF : 19.9/17

All: 44.822 ± 53.230 χ^2/NDF : 38.7/37

- sign 61.456 ± 74.299 χ^2/NDF : 18.7/19

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560 $\pm$ 0.060 χ^2 /NDF: 3822789.1/15

Left Out: 217.048 $\pm$ 0.122 χ^2 /NDF:2251.4/1

Right Out: 173.249 $\pm$ 0.055 χ^2 /NDF: 4307420.2/18

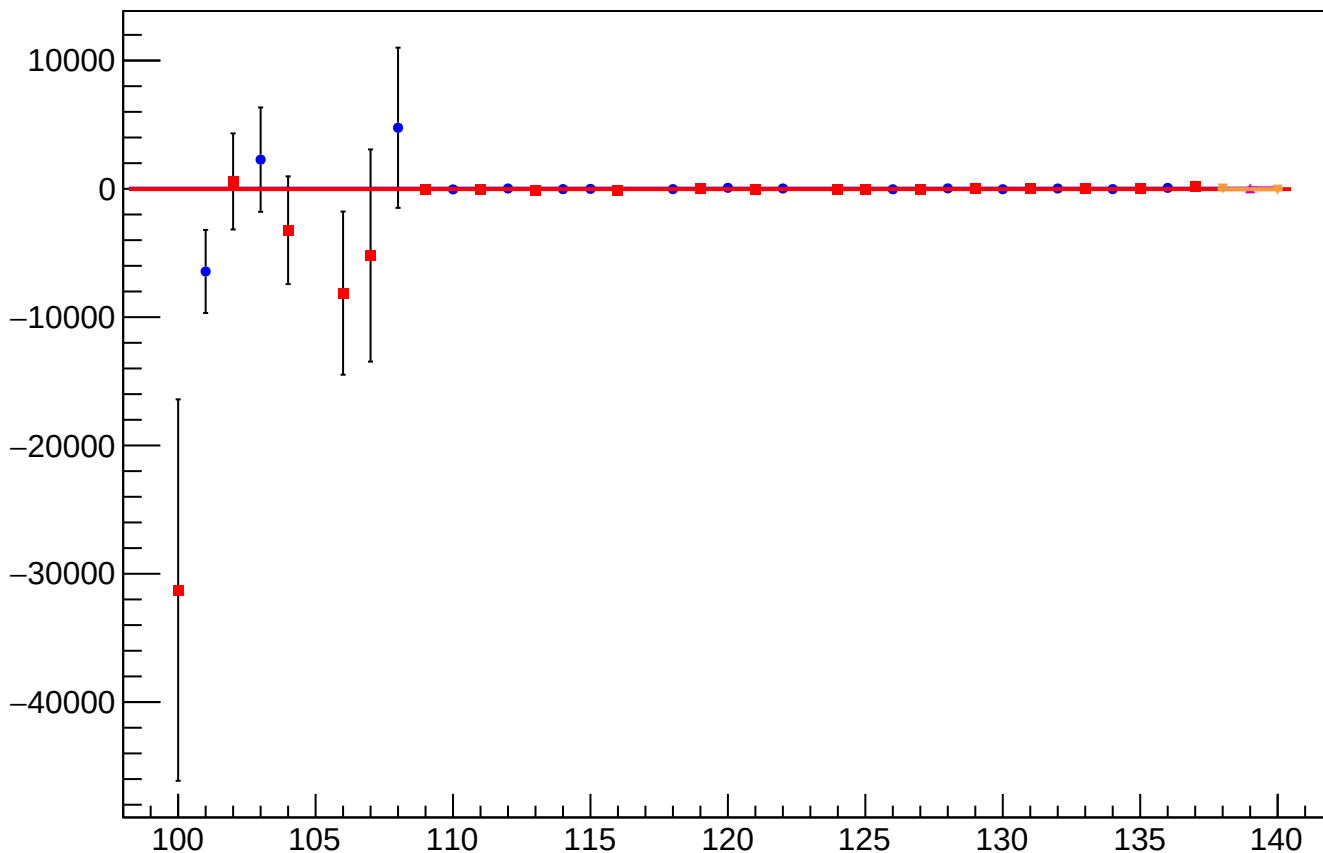
Left In: 209.627 $\pm$ 0.164 χ^2 /NDF:0.0/0

+ sign 197.347 $\pm$ 0.054 χ^2 /NDF: 3857439.9/17

All: 186.904 $\pm$ 0.038 χ^2 /NDF: 8282210.5/37

- sign 177.001 $\pm$ 0.053 χ^2 /NDF: 4351777.0/19

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713 $\pm$ 13.062 χ^2 /NDF: 15.5/15

Left Out: -23.553 $\pm$ 24.299 χ^2 /NDF: 3.4/1

Right Out: -23.230 $\pm$ 13.181 χ^2 /NDF: 28.7/18

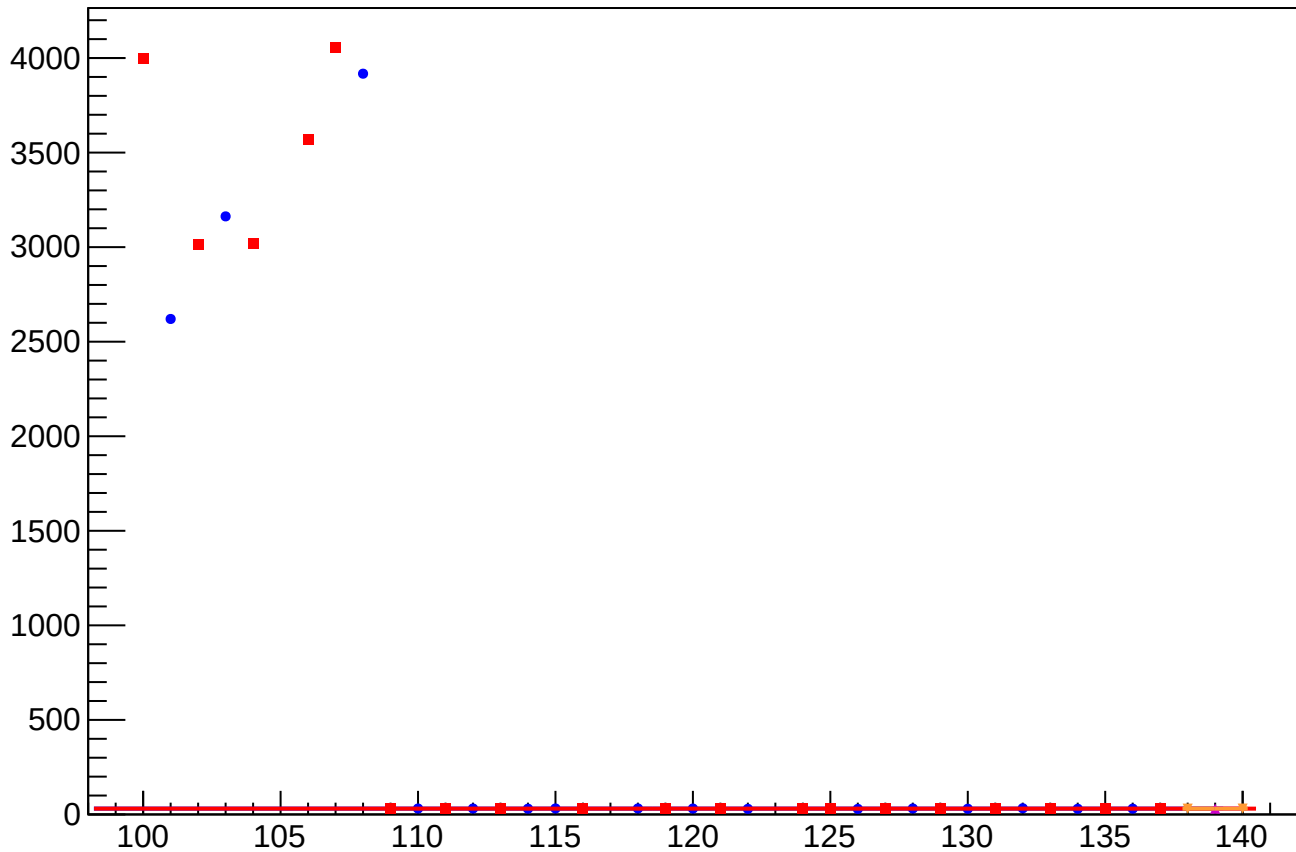
Left In: 40.282 $\pm$ 33.534 χ^2 /NDF: 0.0/0

+ sign 5.359 $\pm$ 11.505 χ^2 /NDF: 20.7/17

All: -4.043 $\pm$ 8.392 χ^2 /NDF: 53.9/37

- sign -14.730 $\pm$ 12.267 χ^2 /NDF: 31.8/19

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF : 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF : 62.4/1

Right Out: 30.777+/-0.009 χ^2/NDF : 3536234.6/18

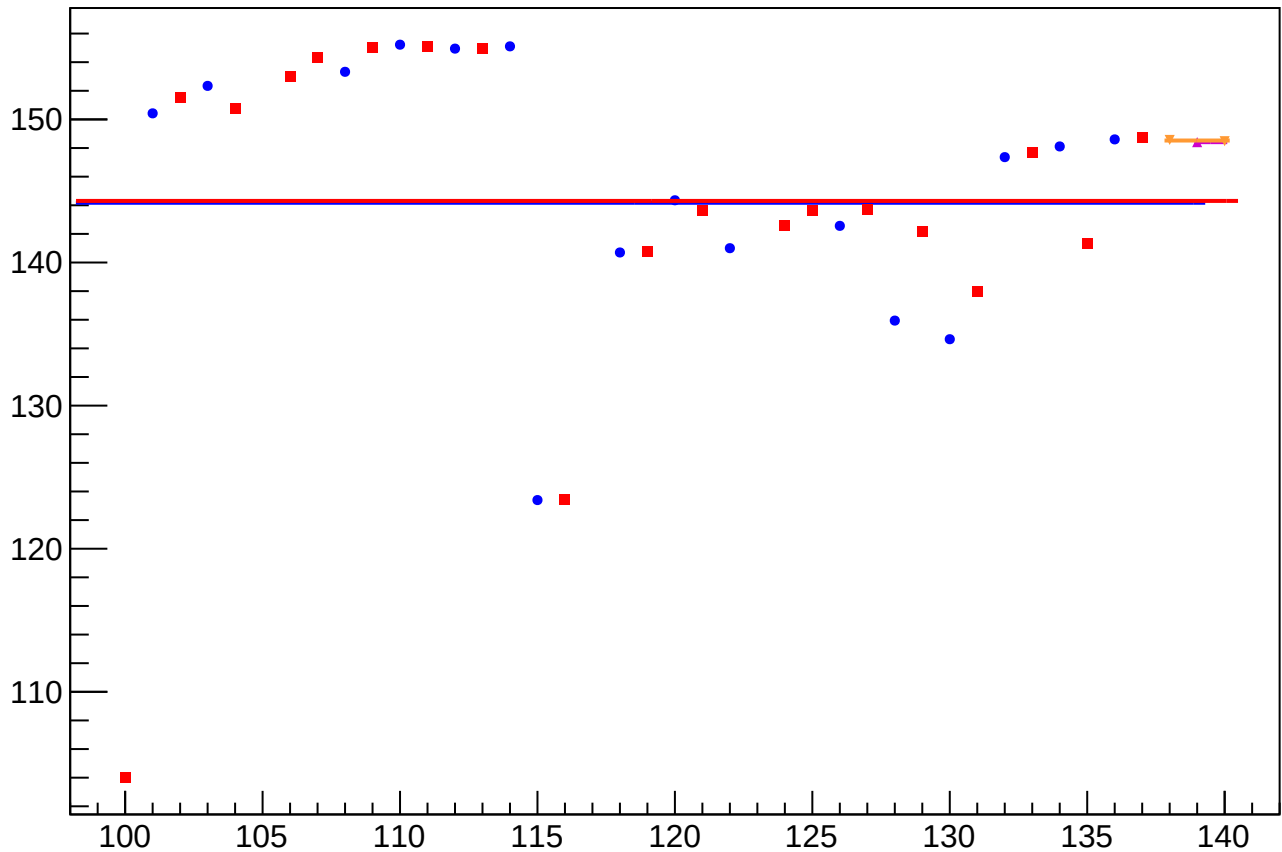
Left In: 30.765+/-0.024 χ^2/NDF : 0.0/0

+ sign 30.910+/-0.008 χ^2/NDF : 3252687.7/17

All: 30.847+/-0.006 χ^2/NDF : 6789050.7/37

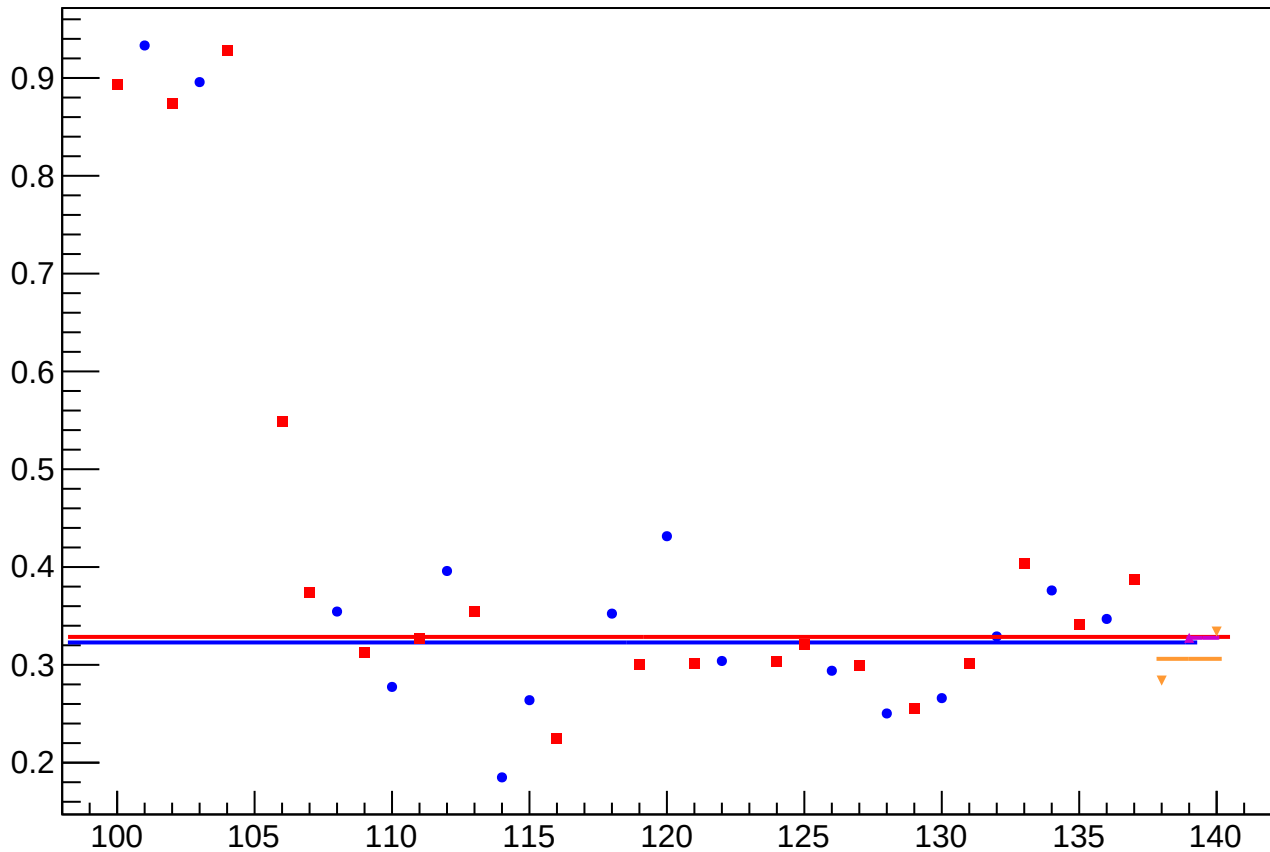
- sign 30.775+/-0.009 χ^2/NDF : 3536234.8/19

yield_bcm_target_mean vs Slug



Right In: 144.176 $\pm$ 0.000 χ^2 /NDF: 3724747268.7/15
 Left Out: 148.525 $\pm$ 0.000 χ^2 /NDF:32294.6/1
 Right Out: 144.304 $\pm$ 0.000 χ^2 /NDF: 4264494940.7/18
 Left In: 148.412 $\pm$ 0.000 χ^2 /NDF:0.0/0
 + sign 145.161 $\pm$ 0.000 χ^2 /NDF: 3969174439.0/17
 All: 144.987 $\pm$ 0.000 χ^2 /NDF: 8350465398.1
 - sign 144.787 $\pm$ 0.000 χ^2 /NDF: 4376515743.3/19

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF : 20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

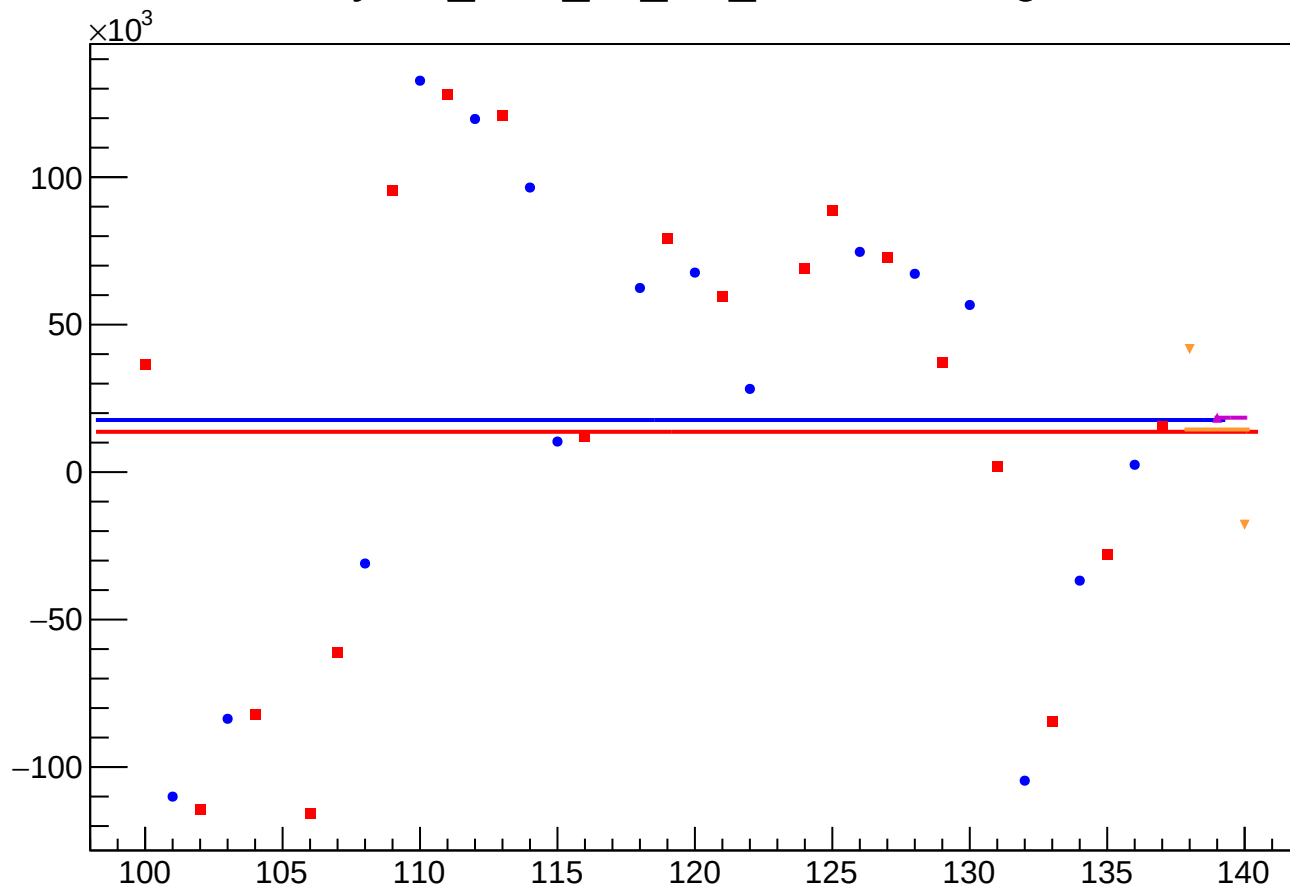
Left In: 0.328+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.319+/-0.000 χ^2/NDF : 1423952.0/17

All: 0.323+/-0.000 χ^2/NDF : 2734117.0/37

- sign 0.328+/-0.000 χ^2/NDF : 1304159.7/19

yield_bcm_an_diff_mean vs Slug



Right In: 17663.790 $\pm$ 2.006 χ^2 /NDF: 1398738701.8/15

Left Out: 14447.157 $\pm$ 3.943 χ^2 /NDF: 56666859.2/1

Right Out: 13666.312 $\pm$ 1.925 χ^2 /NDF: 1856962869.6/18

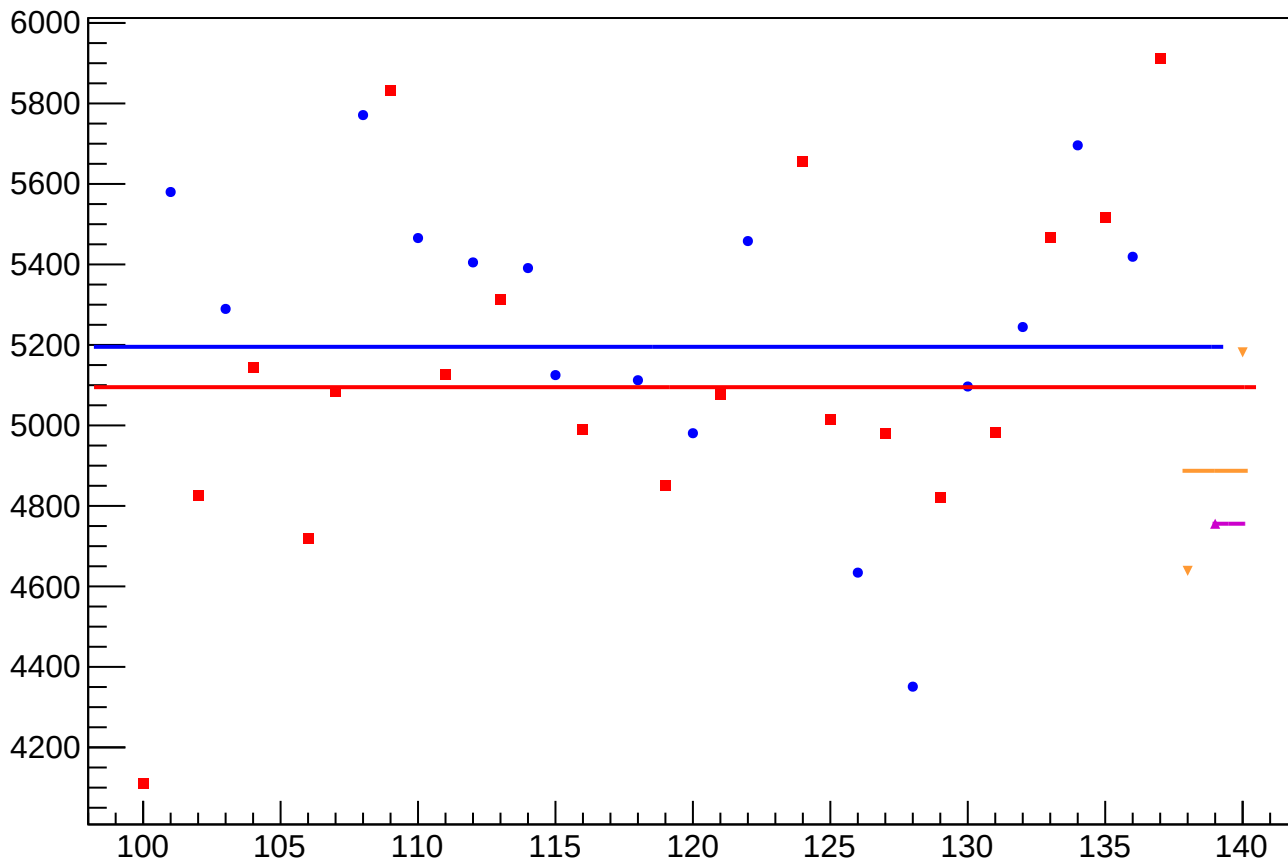
Left In: 18449.894 $\pm$ 5.313 χ^2 /NDF: 0.0/0

+ sign 17002.762 $\pm$ 1.788 χ^2 /NDF: 1455934207.4/1

All: 15629.220 $\pm$ 1.272 χ^2 /NDF: 3314809193

- sign 14221.387 $\pm$ 1.810 χ^2 /NDF: 1857679476.9/1

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298 $\pm$ 1.418 χ^2 /NDF: 77166.0/15

Left Out: 4887.250 $\pm$ 2.788 χ^2 /NDF: 9409.9/1

Right Out: 5095.047 $\pm$ 1.361 χ^2 /NDF: 59112.0/18

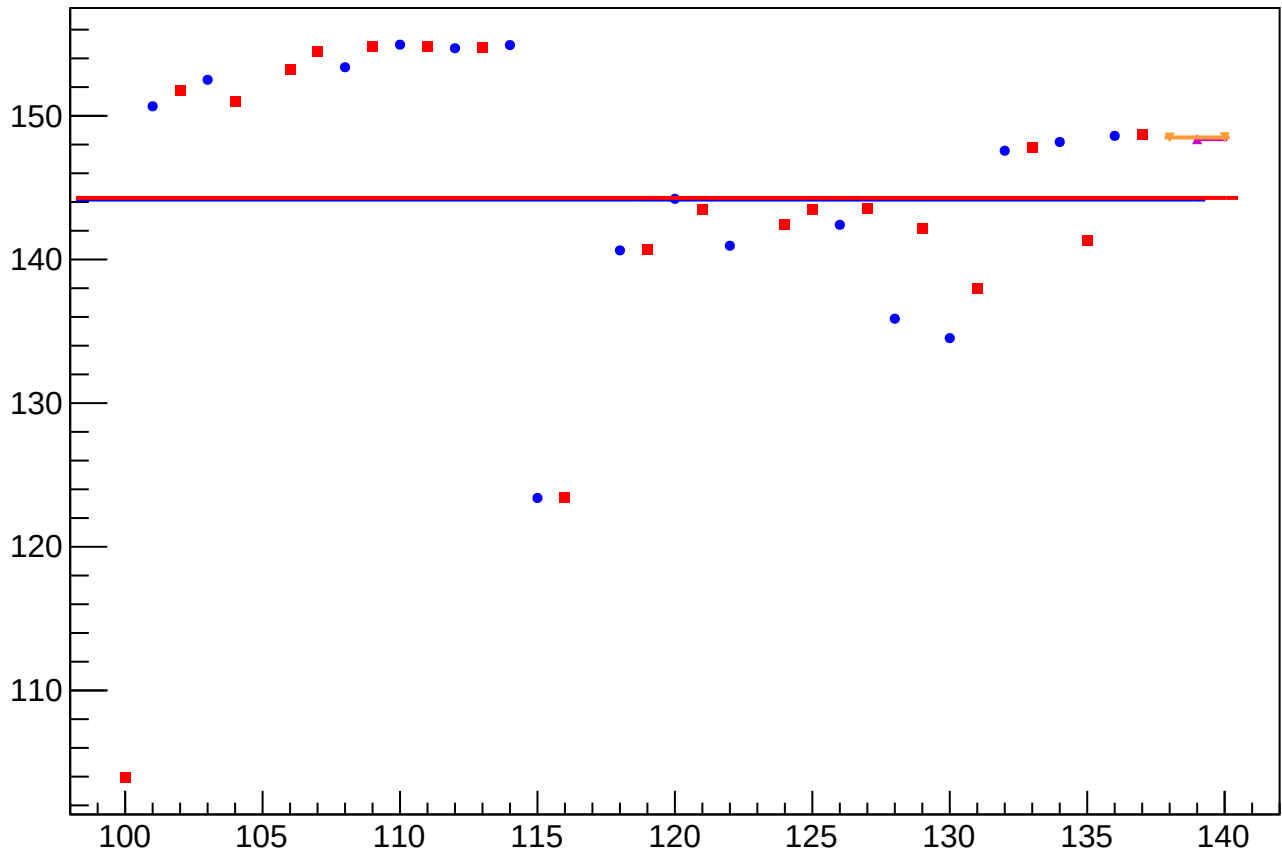
Left In: 4755.727 $\pm$ 3.757 χ^2 /NDF: 0.0/0

+ sign 5131.994 $\pm$ 1.264 χ^2 /NDF: 96272.7/17

All: 5094.304 $\pm$ 0.899 χ^2 /NDF: 164396.5/37

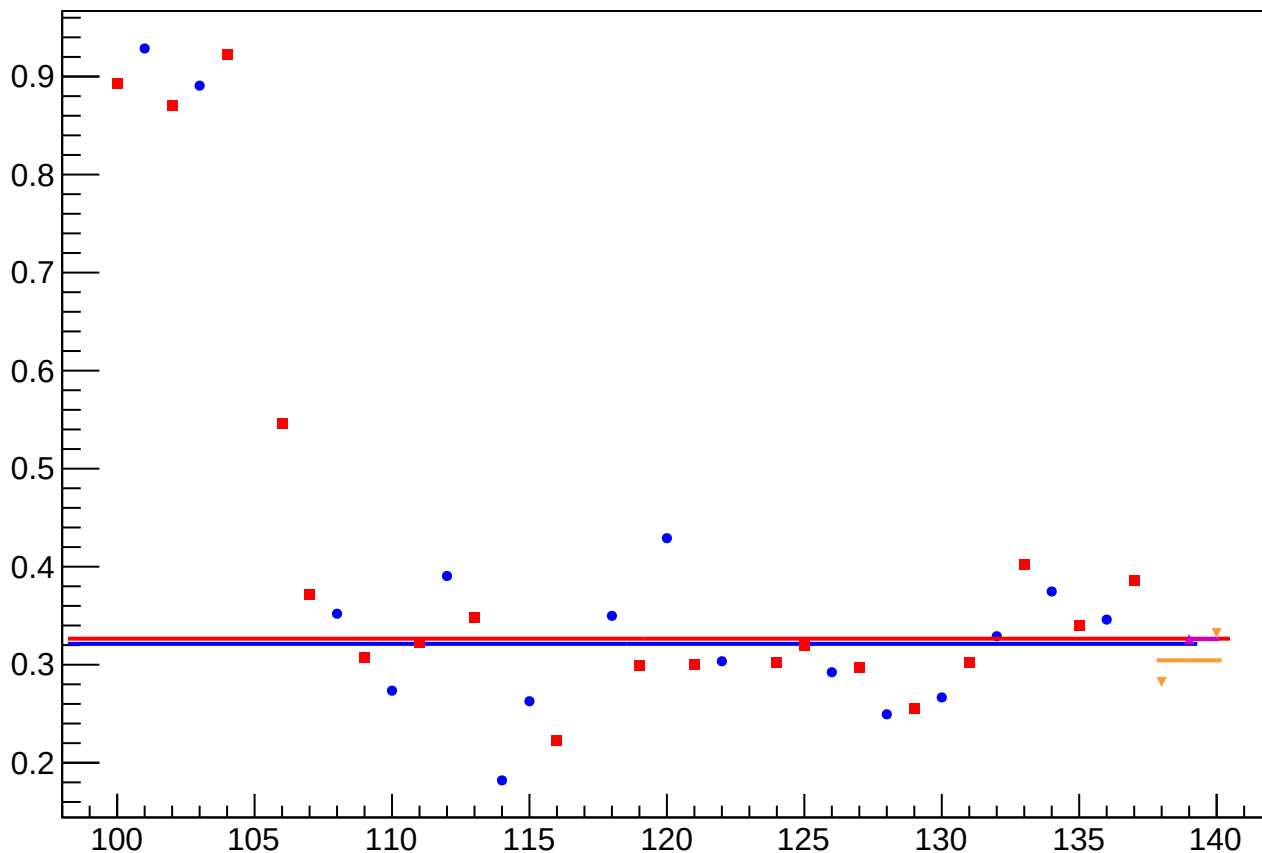
- sign 5055.674 $\pm$ 1.280 χ^2 /NDF: 66323.5/19

yield_bcm_an_ds_mean vs Slug



Right In: 144.172 $\pm$ 0.000 χ^2 /NDF: 3764836520.0/15
 Left Out: 148.494 $\pm$ 0.000 χ^2 /NDF:3668.4/1
 Right Out: 144.286 $\pm$ 0.000 χ^2 /NDF: 4290223847.7/18
 Left In: 148.379 $\pm$ 0.000 χ^2 /NDF:0.0/0
 + sign 145.151 $\pm$ 0.000 χ^2 /NDF: 4008761924.2/17
 All: 144.972 $\pm$ 0.000 χ^2 /NDF: 8416383667.7
 - sign 144.767 $\pm$ 0.000 χ^2 /NDF: 4402507652.1/19

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF : 1396250.7/15

Left Out: 0.305+/-0.000 χ^2/NDF : 20581.3/1

Right Out: 0.327+/-0.000 χ^2/NDF : 1302732.4/18

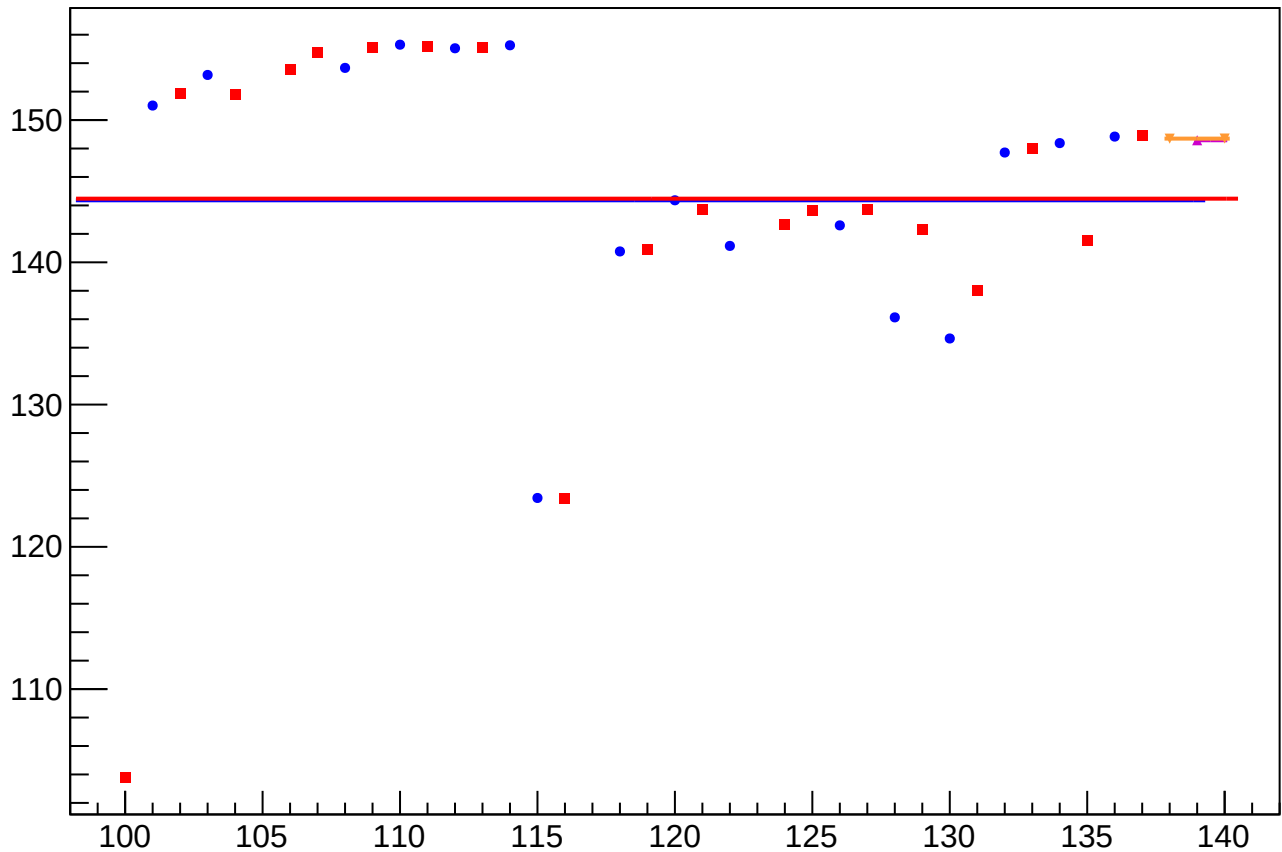
Left In: 0.326+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.317+/-0.000 χ^2/NDF : 1424189.0/17

All: 0.322+/-0.000 χ^2/NDF : 2732557.5/37

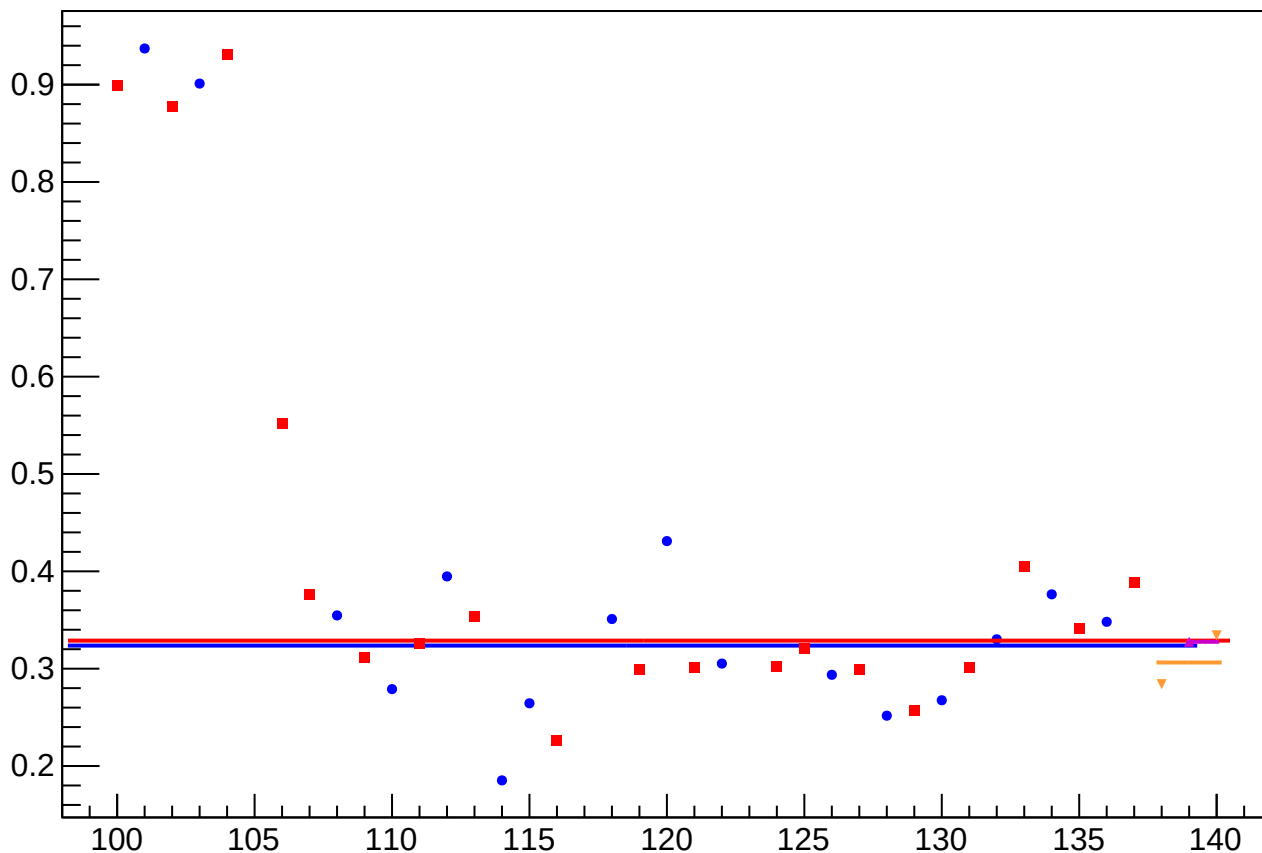
- sign 0.327+/-0.000 χ^2/NDF : 1302735.1/19

yield_bcm_an_ds3_mean vs Slug



Right In: 144.361+/-0.000 χ^2/NDF : 3758625293.6/15
 Left Out: 148.696+/-0.000 χ^2/NDF :243.1/1
 Right Out: 144.475+/-0.000 χ^2/NDF : 4281975463.8/18
 Left In: 148.582+/-0.000 χ^2/NDF :0.0/0
 + sign 145.345+/-0.000 χ^2/NDF : 4000940379.9/17
 All: 145.165+/-0.000 χ^2/NDF : 8399991739.1
 - sign 144.958+/-0.000 χ^2/NDF : 4393949201.2/19

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324 $\pm$ 0.000 χ^2 /NDF: 1392377.9/15

Left Out: 0.306 $\pm$ 0.000 χ^2 /NDF: 20767.3/1

Right Out: 0.329 $\pm$ 0.000 χ^2 /NDF: 1303222.2/18

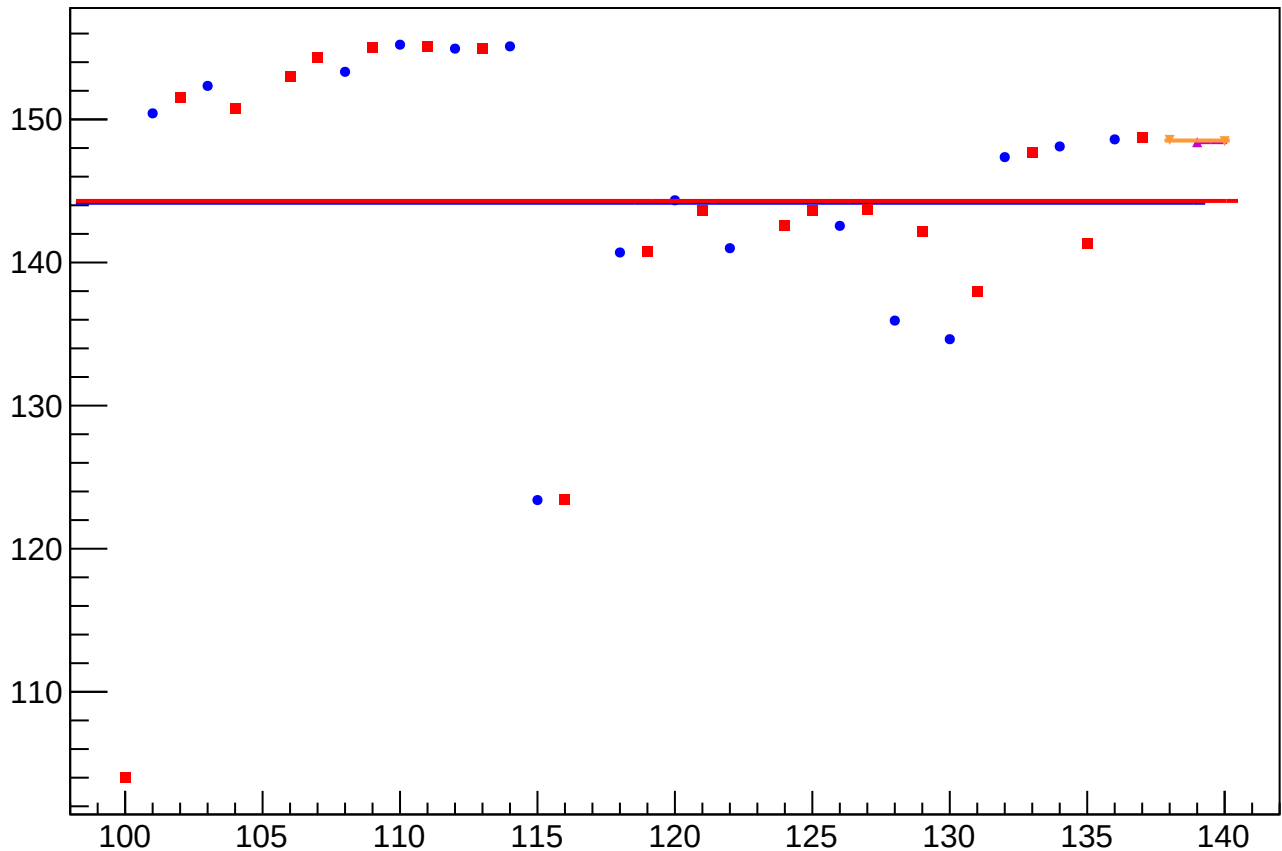
Left In: 0.328 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.320 $\pm$ 0.000 χ^2 /NDF: 1420921.9/17

All: 0.324 $\pm$ 0.000 χ^2 /NDF: 2729584.9/37

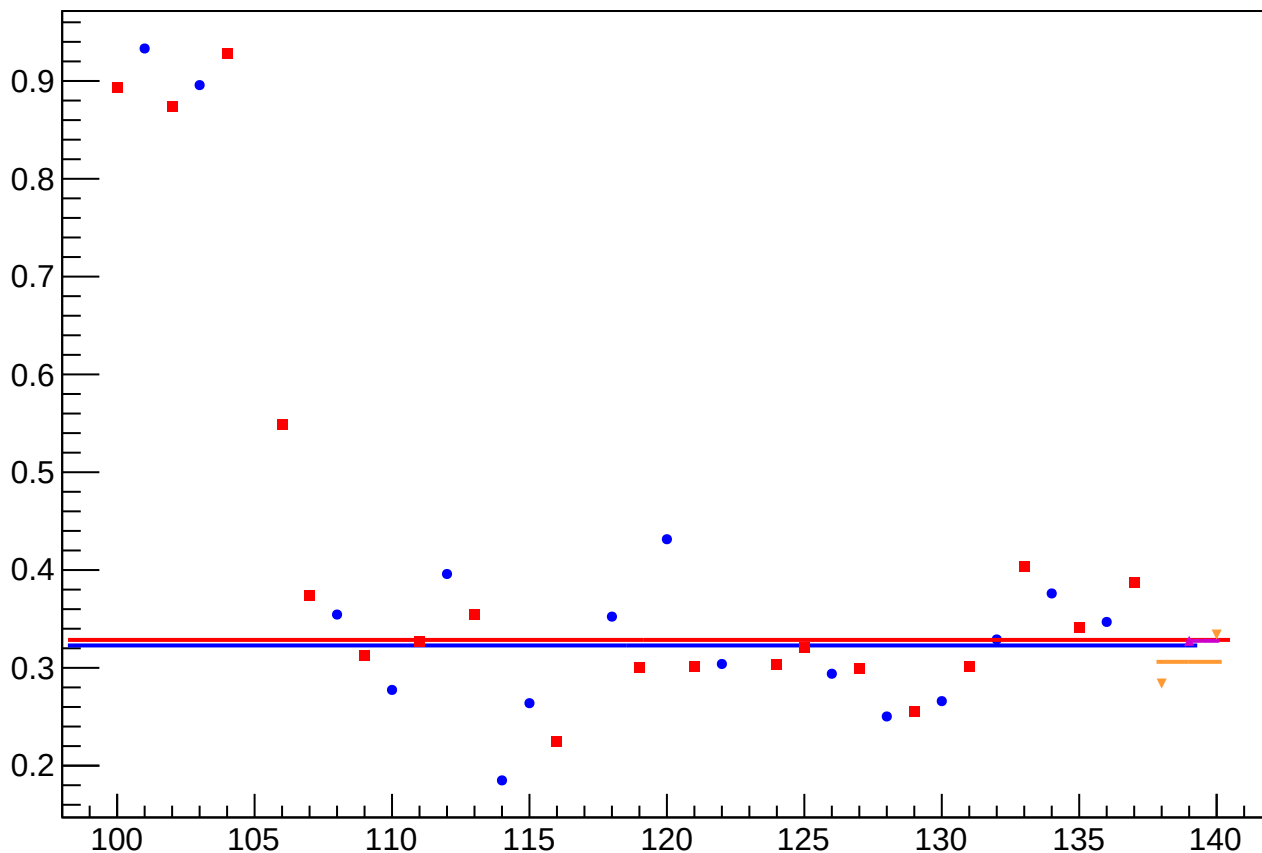
- sign 0.329 $\pm$ 0.000 χ^2 /NDF: 1303241.3/19

yield_bcm_an_us_mean vs Slug



Right In: 144.176 $\pm$ 0.000 χ^2 /NDF: 3724747268.7/15
 Left Out: 148.525 $\pm$ 0.000 χ^2 /NDF:32294.6/1
 Right Out: 144.304 $\pm$ 0.000 χ^2 /NDF: 4264494940.7/18
 Left In: 148.412 $\pm$ 0.000 χ^2 /NDF:0.0/0
 + sign 145.161 $\pm$ 0.000 χ^2 /NDF: 3969174439.0/17
 All: 144.987 $\pm$ 0.000 χ^2 /NDF: 8350465398.1
 - sign 144.787 $\pm$ 0.000 χ^2 /NDF: 4376515743.3/19

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF : 20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

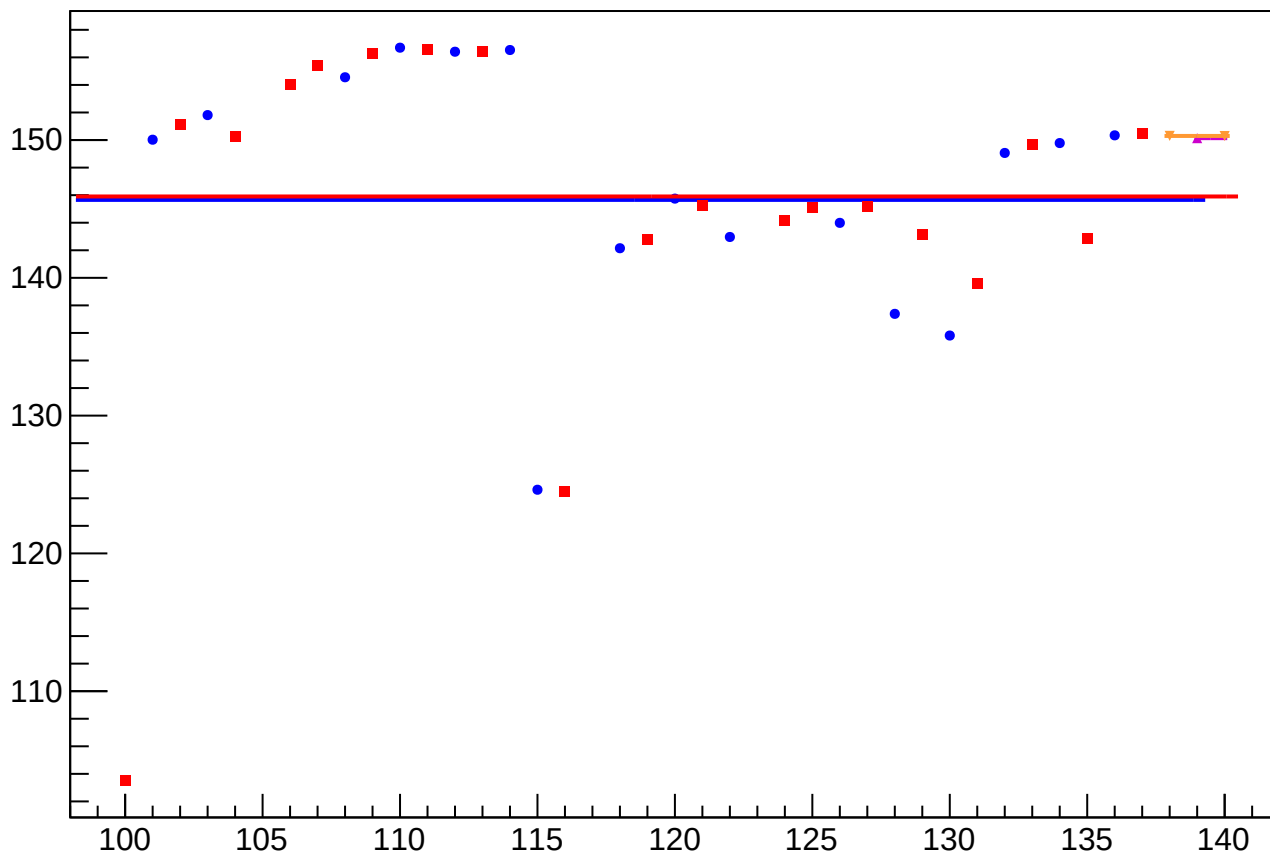
Left In: 0.328+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.319+/-0.000 χ^2/NDF : 1423952.0/17

All: 0.323+/-0.000 χ^2/NDF : 2734117.0/37

- sign 0.328+/-0.000 χ^2/NDF : 1304159.7/19

yield_bcm_dg_us_mean vs Slug



Right In: 145.657+/-0.000 χ^2/NDF : 3481495345.2/15

Left Out: 150.298+/-0.000 χ^2/NDF :444.6/1

Right Out: 145.904+/-0.000 χ^2/NDF : 3863011865.2/18

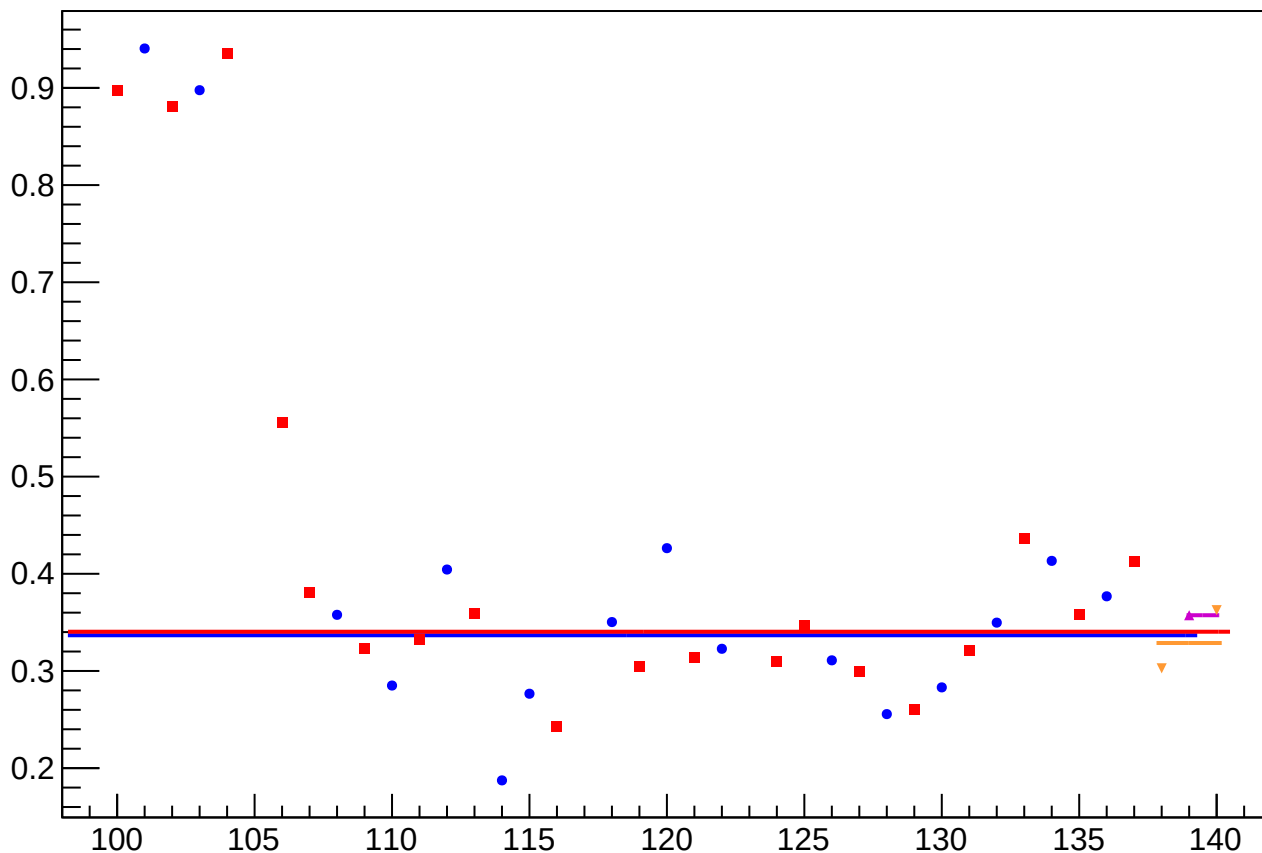
Left In: 150.138+/-0.000 χ^2/NDF :0.0/0

+ sign 146.648+/-0.000 χ^2/NDF : 3722726952.0/17

All: 146.510+/-0.000 χ^2/NDF : 7688593574.7

- sign 146.355+/-0.000 χ^2/NDF : 3963176215.5/19

yield_bcm_dg_us_rms vs Slug



Right In: 0.337 $\pm$ 0.000 χ^2 /NDF: 1370512.1/15

Left Out: 0.329 $\pm$ 0.000 χ^2 /NDF: 25071.4/1

Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 1274717.4/18

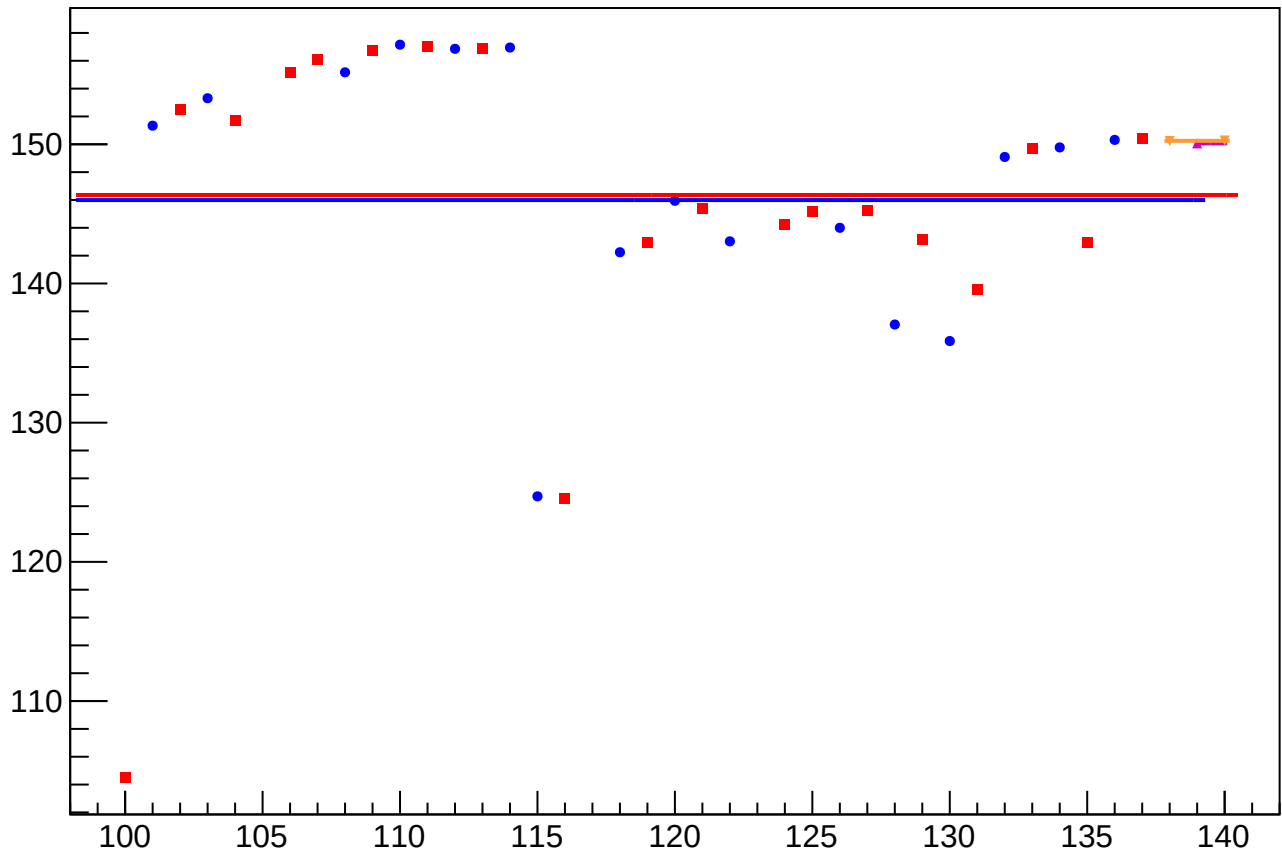
Left In: 0.357 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.335 $\pm$ 0.000 χ^2 /NDF: 1397001.7/17

All: 0.338 $\pm$ 0.000 χ^2 /NDF: 2678130.3/37

- sign 0.342 $\pm$ 0.000 χ^2 /NDF: 1277939.7/19

yield_bcm_dg_ds_mean vs Slug



Right In: 145.993+/-0.000 χ^2/NDF : 3621634656.4/15

Left Out: 150.249+/-0.000 χ^2/NDF : 4353.1/1

Right Out: 146.358+/-0.000 χ^2/NDF : 3963122316.1/18

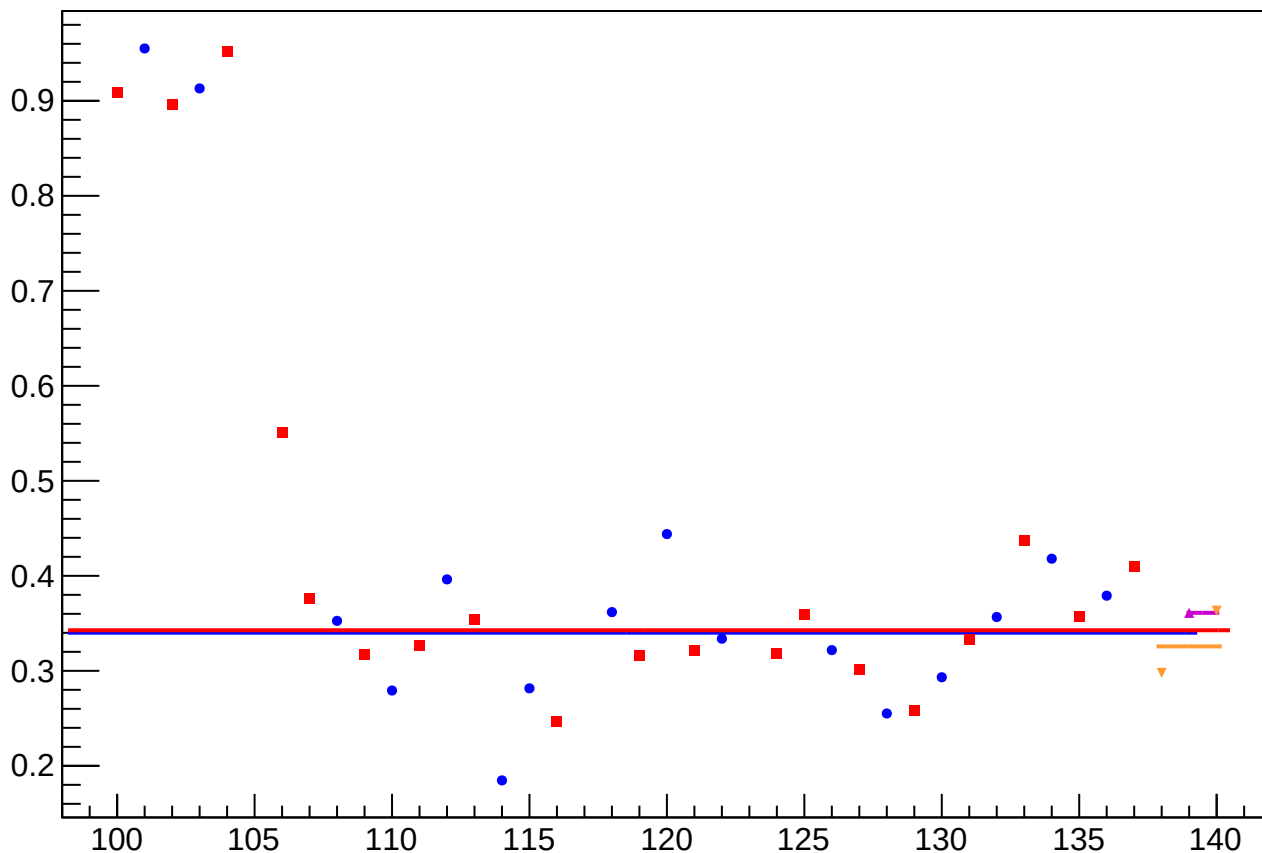
Left In: 150.067+/-0.000 χ^2/NDF : 0.0/0

+ sign 146.926+/-0.000 χ^2/NDF : 3825158459.2/17

All: 146.843+/-0.000 χ^2/NDF : 7864218658.5

- sign 146.749+/-0.000 χ^2/NDF : 4038100468.2/19

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340 $\pm$ 0.000 χ^2 /NDF: 1393222.3/15

Left Out: 0.326 $\pm$ 0.000 χ^2 /NDF:30196.5/1

Right Out: 0.343 $\pm$ 0.000 χ^2 /NDF: 1270731.2/18

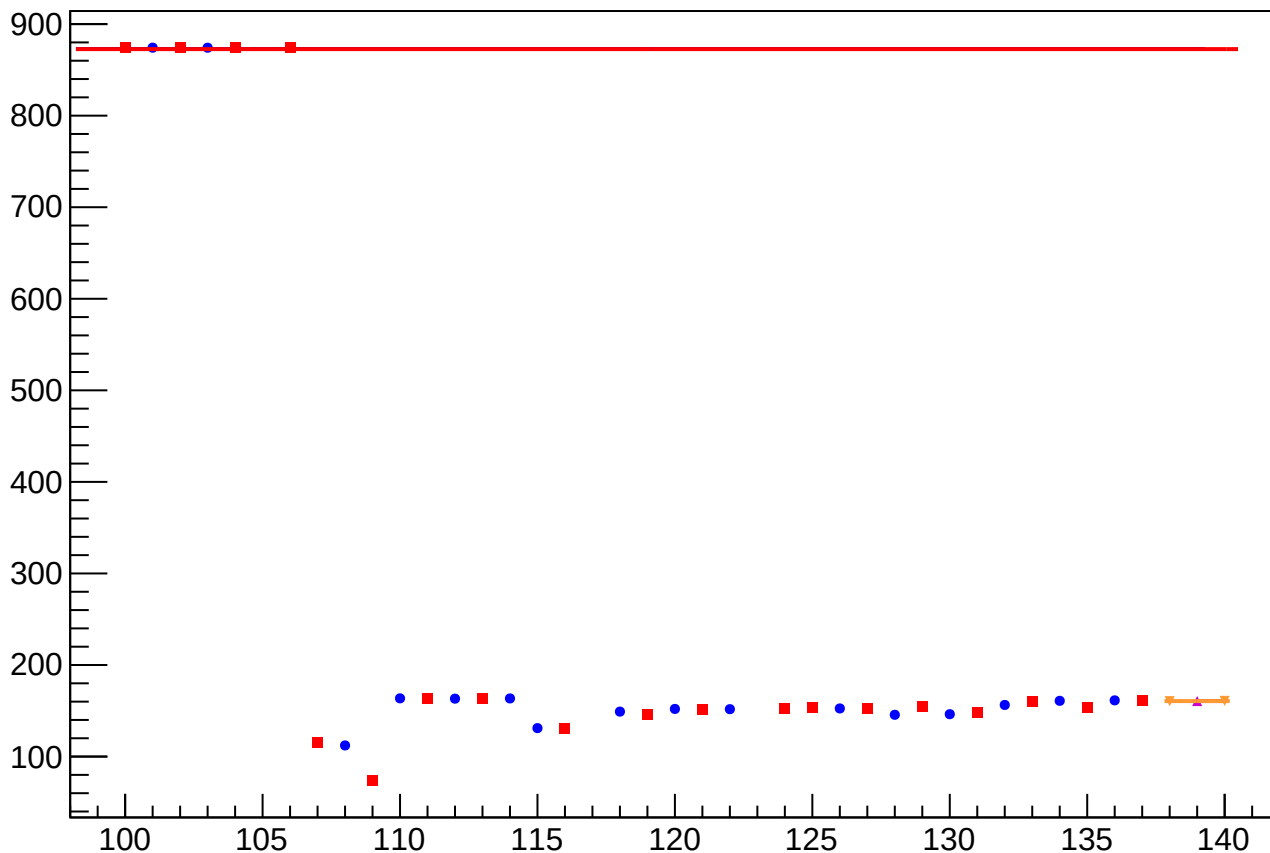
Left In: 0.361 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.337 $\pm$ 0.000 χ^2 /NDF: 1428088.1/17

All: 0.341 $\pm$ 0.000 χ^2 /NDF: 2706088.5/37

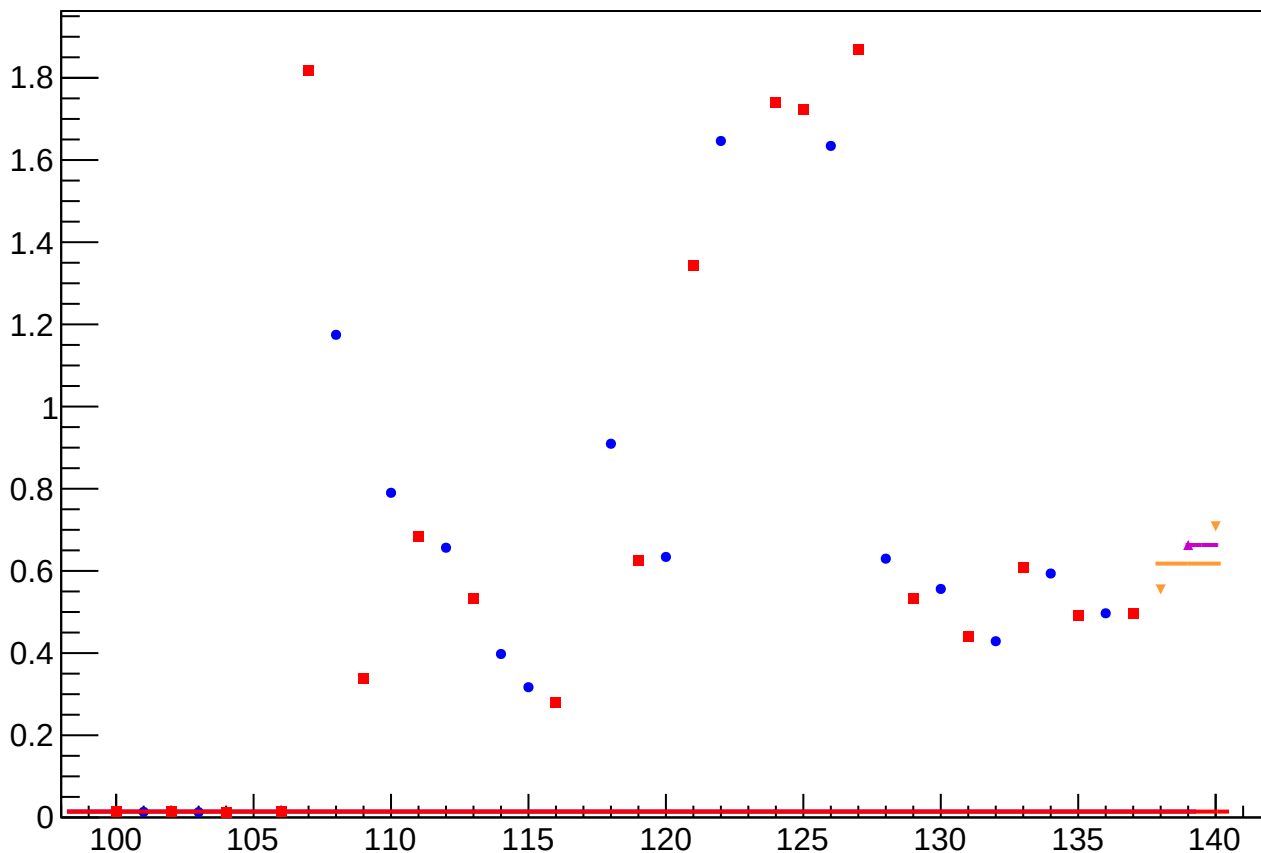
- sign 0.345 $\pm$ 0.000 χ^2 /NDF: 1274401.2/19

yield_cav4bQ_mean vs Slug



Right In: 872.822 $\pm$ 0.000 χ^2 /NDF: 7191496833472.3/15
 Left Out: 160.611 $\pm$ 0.001 χ^2 /NDF:75530.3/1
 Right Out: 872.676 $\pm$ 0.000 χ^2 /NDF: 9167298490018.9/18
 Left In: 160.671 $\pm$ 0.001 χ^2 /NDF:0.0/0
 + sign 872.483 $\pm$ 0.000 χ^2 /NDF: 8911343337583.0
 All: 872.511 $\pm$ 0.000 χ^2 /NDF: 188962838773
 - sign 872.536 $\pm$ 0.000 χ^2 /NDF: 9984929853265.0

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 9622176.3/15

Left Out: 0.618+/-0.000 χ^2/NDF :38689.0/1

Right Out: 0.014+/-0.000 χ^2/NDF : 9410025.7/18

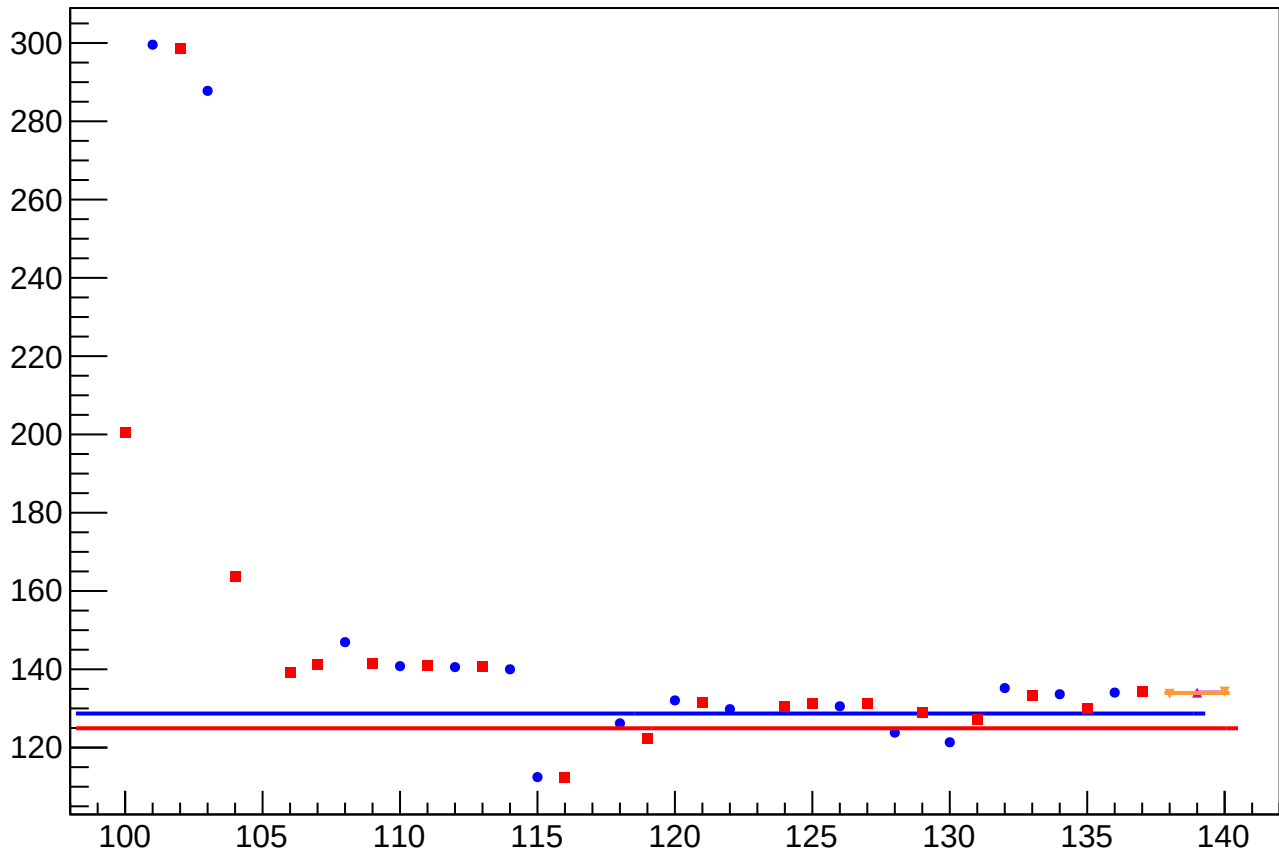
Left In: 0.663+/-0.001 χ^2/NDF :0.0/0

+ sign 0.015+/-0.000 χ^2/NDF : 12130218.2/17

All: 0.015+/-0.000 χ^2/NDF : 22898917.8/37

- sign 0.014+/-0.000 χ^2/NDF : 10768009.7/19

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF : 1656162604.0/15

Left Out: 133.954+/-0.000 χ^2/NDF : 327106.7/1

Right Out: 124.935+/-0.000 χ^2/NDF : 1397923053.7/18

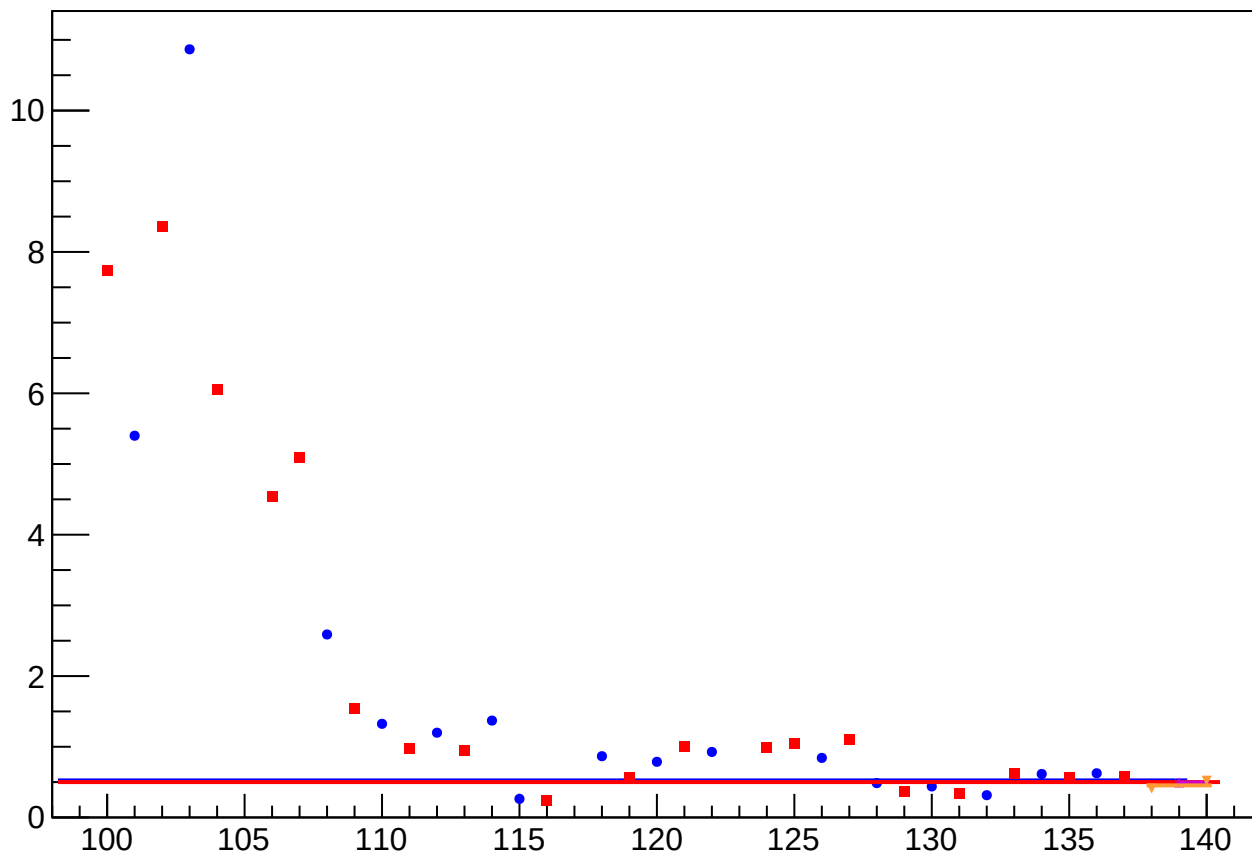
Left In: 134.053+/-0.001 χ^2/NDF : 0.0/0

+ sign 129.986+/-0.000 χ^2/NDF : 1746789393.8/17

All: 128.124+/-0.000 χ^2/NDF : 3418510467.5

- sign 126.065+/-0.000 χ^2/NDF : 1542429651.3/19

yield_cav4cQ_rms vs Slug



Right In: 0.524 $\pm$ 0.000 χ^2 /NDF: 4138409.3/15

Left Out: 0.454 $\pm$ 0.000 χ^2 /NDF:25768.7/1

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 4884137.3/18

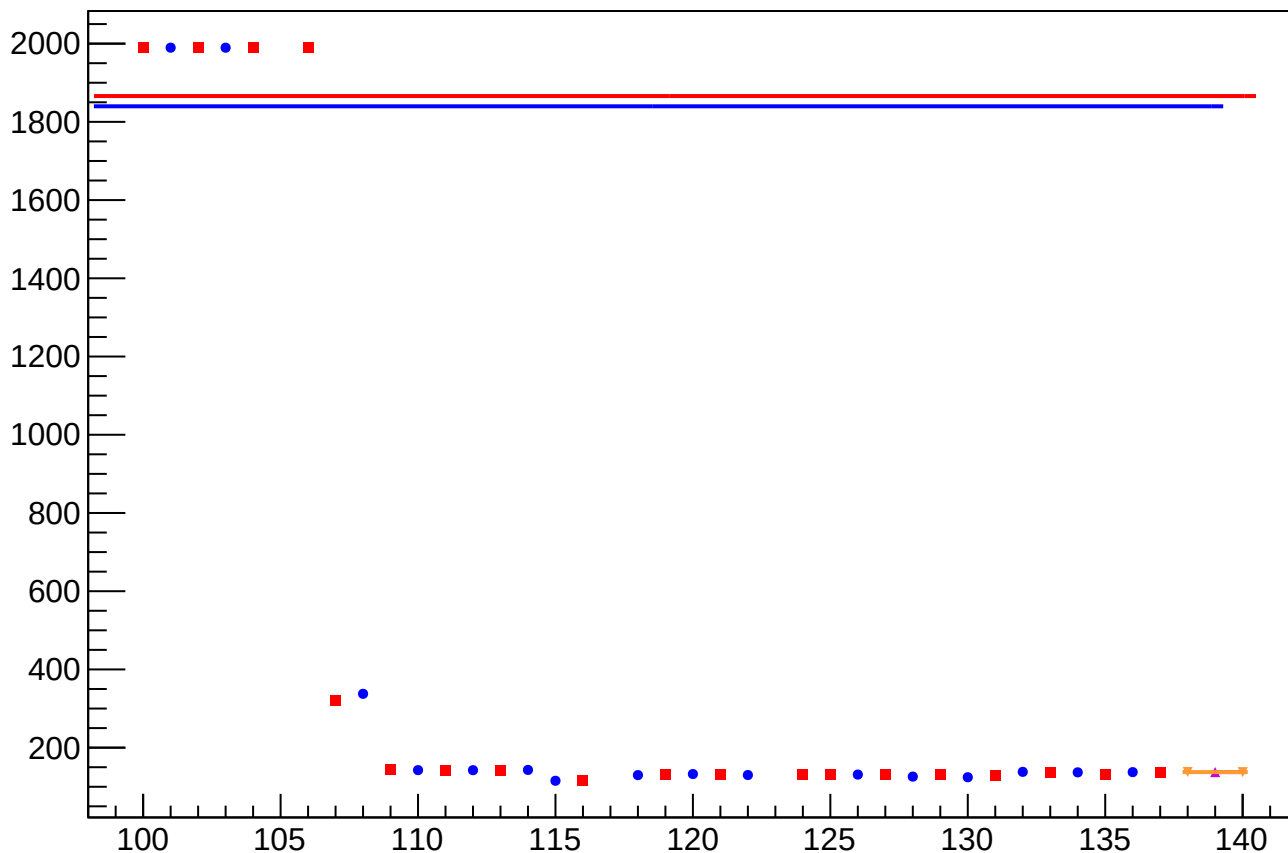
Left In: 0.495 $\pm$ 0.001 χ^2 /NDF:0.0/0

+ sign 0.507 $\pm$ 0.000 χ^2 /NDF: 4196397.0/17

All: 0.504 $\pm$ 0.000 χ^2 /NDF: 9081455.0/37

- sign 0.500 $\pm$ 0.000 χ^2 /NDF: 4884234.7/19

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF : 145916014549797.4/15

Left Out: 137.572+/-0.000 χ^2/NDF : 778130.9/1

+ sign 1798.167+/-0.000 χ^2/NDF : 18631650027252

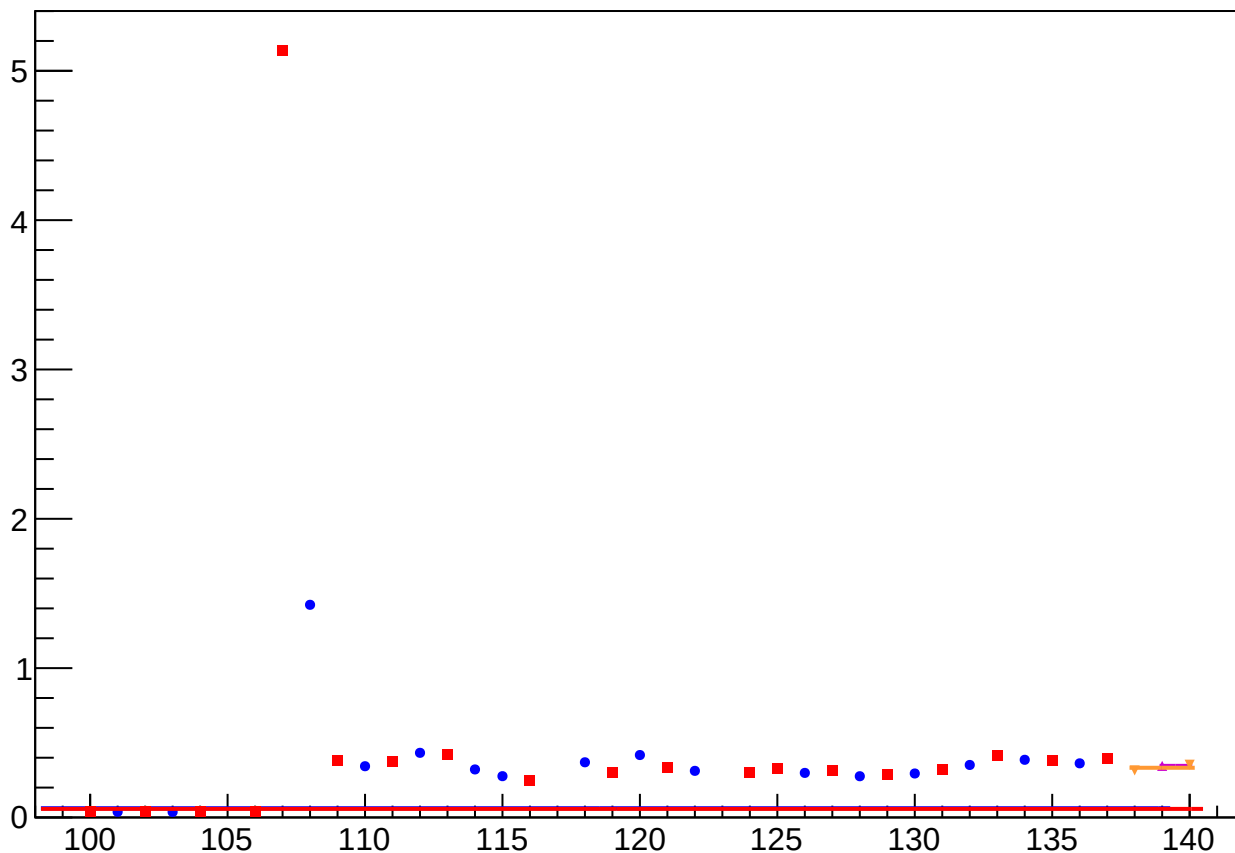
Right Out: 1865.968+/-0.000 χ^2/NDF : 142769122276045.8/18

All: 1825.131+/-0.000 χ^2/NDF : 34991252207

- sign 1848.564+/-0.000 χ^2/NDF : 16280159942558

Left In: 137.573+/-0.000 χ^2/NDF : 0.0/0

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF : 8173578.9/15

Left Out: 0.333+/-0.000 χ^2/NDF : 10446.2/1

Right Out: 0.057+/-0.000 χ^2/NDF : 7741927.9/18

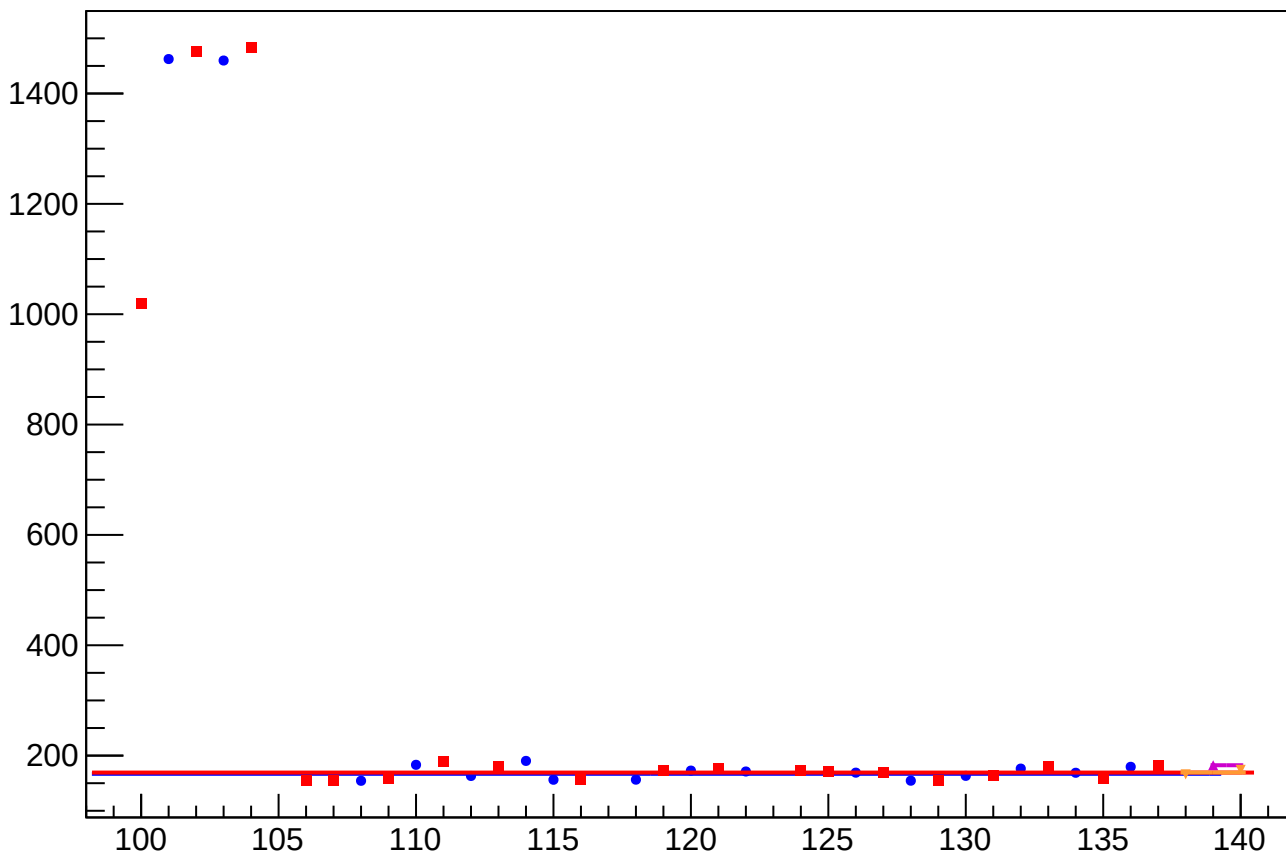
Left In: 0.346+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.068+/-0.000 χ^2/NDF : 10230324.8/17

All: 0.064+/-0.000 χ^2/NDF : 19128477.9/37

- sign 0.060+/-0.000 χ^2/NDF : 8856034.4/19

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF : 14614977518.5/15

Left Out: 169.346+/-0.001 χ^2/NDF : 23833717.1/1

Right Out: 169.257+/-0.000 χ^2/NDF : 16317542946.8/18

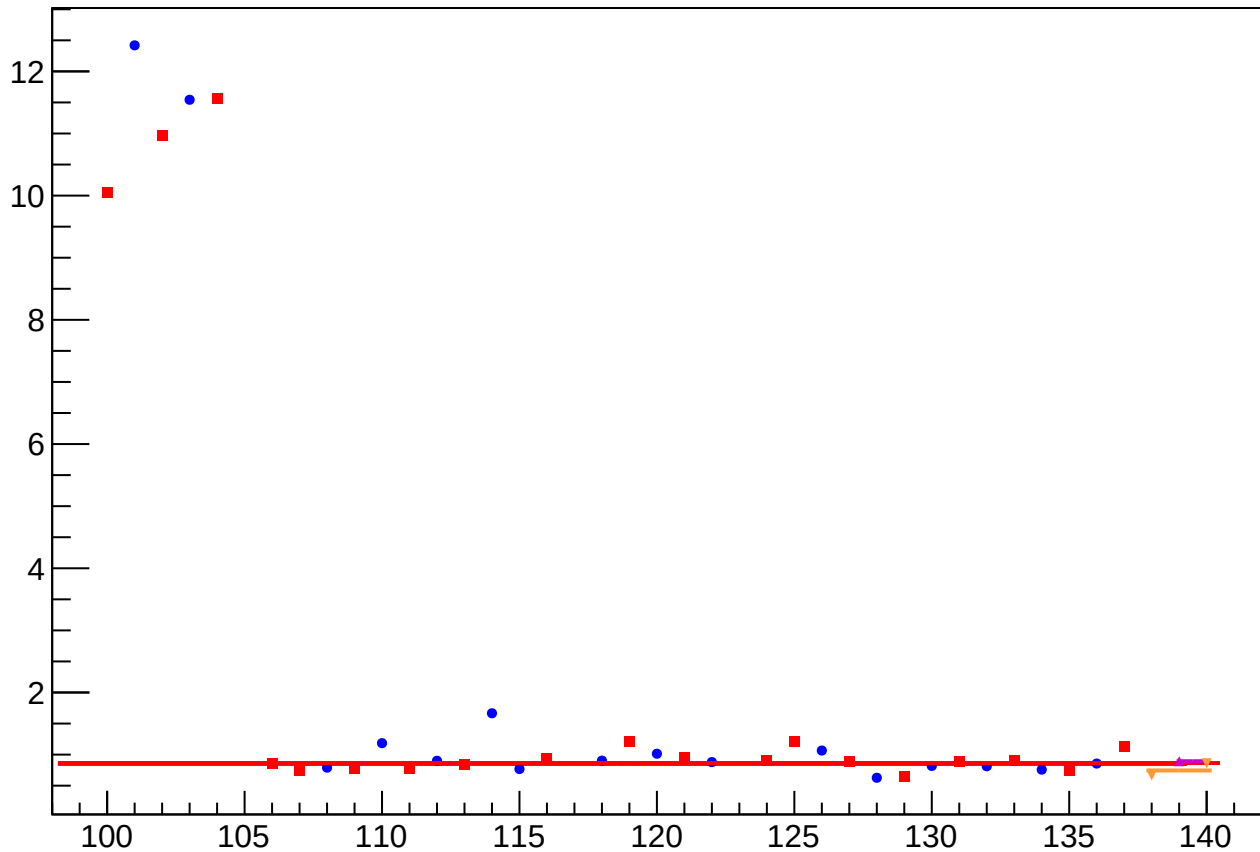
Left In: 182.551+/-0.001 χ^2/NDF : 0.0/0

+ sign 167.524+/-0.000 χ^2/NDF : 14645070421.6/17

All: 168.924+/-0.000 χ^2/NDF : 31080866576.

- sign 170.500+/-0.000 χ^2/NDF : 16407594376.7/19

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF : 2302297.2/15

Left Out: 0.745+/-0.001 χ^2/NDF : 27083.8/1

Right Out: 0.864+/-0.000 χ^2/NDF : 2209232.6/18

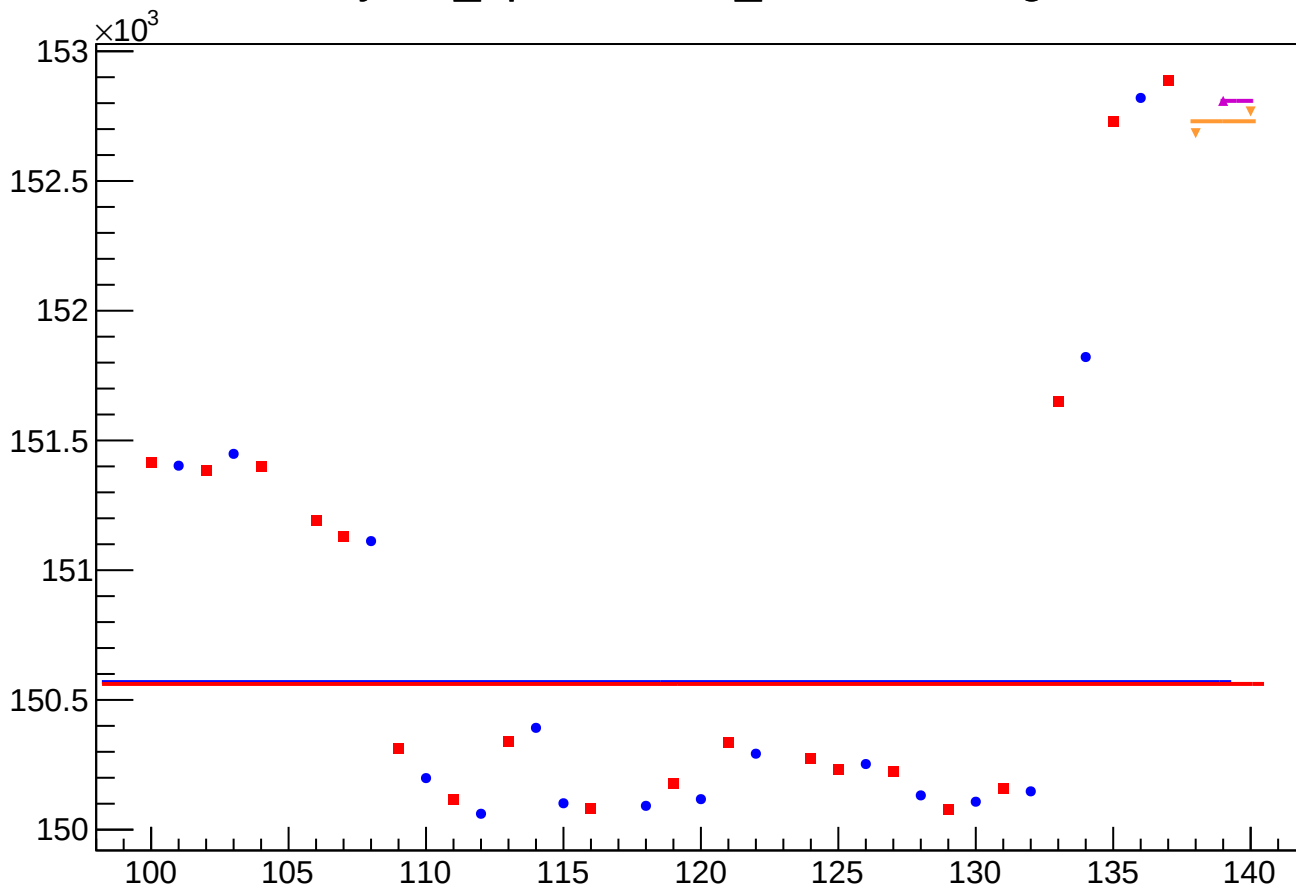
Left In: 0.893+/-0.001 χ^2/NDF : 0.0/0

+ sign 0.829+/-0.000 χ^2/NDF : 2356226.0/17

All: 0.847+/-0.000 χ^2/NDF : 4575286.9/37

- sign 0.867+/-0.000 χ^2/NDF : 2210089.1/19

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 $\pm$ 0.055 χ^2 /NDF: 237155171.8/15

Left Out: 152730.173 $\pm$ 0.138 χ^2 /NDF: 91124.1/1

Right Out: 150561.647 $\pm$ 0.051 χ^2 /NDF: 197500782.5/18

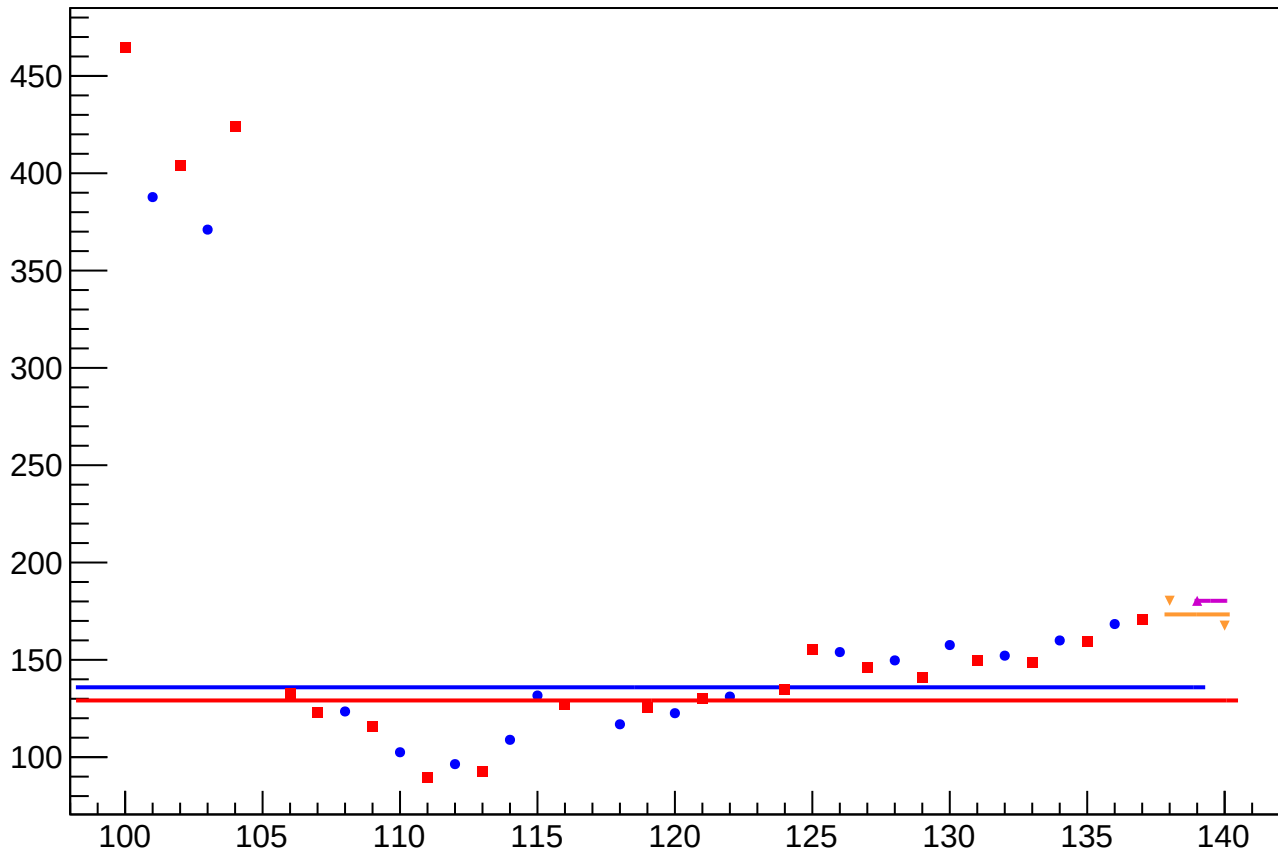
Left In: 152808.830 $\pm$ 0.197 χ^2 /NDF: 0.0/0

+ sign 150860.374 $\pm$ 0.051 χ^2 /NDF: 448692159.0/1

All: 150779.281 $\pm$ 0.035 χ^2 /NDF: 773107692

- sign 150702.708 $\pm$ 0.049 χ^2 /NDF: 319459439.2/1

yield_bpm2i01WS_rms vs Slug



Right In: 135.896 $\pm$ 0.039 χ^2 /NDF: 1416332.3/15

Left Out: 173.338 $\pm$ 0.098 χ^2 /NDF:4237.2/1

Right Out: 129.130 $\pm$ 0.036 χ^2 /NDF: 1614311.0/18

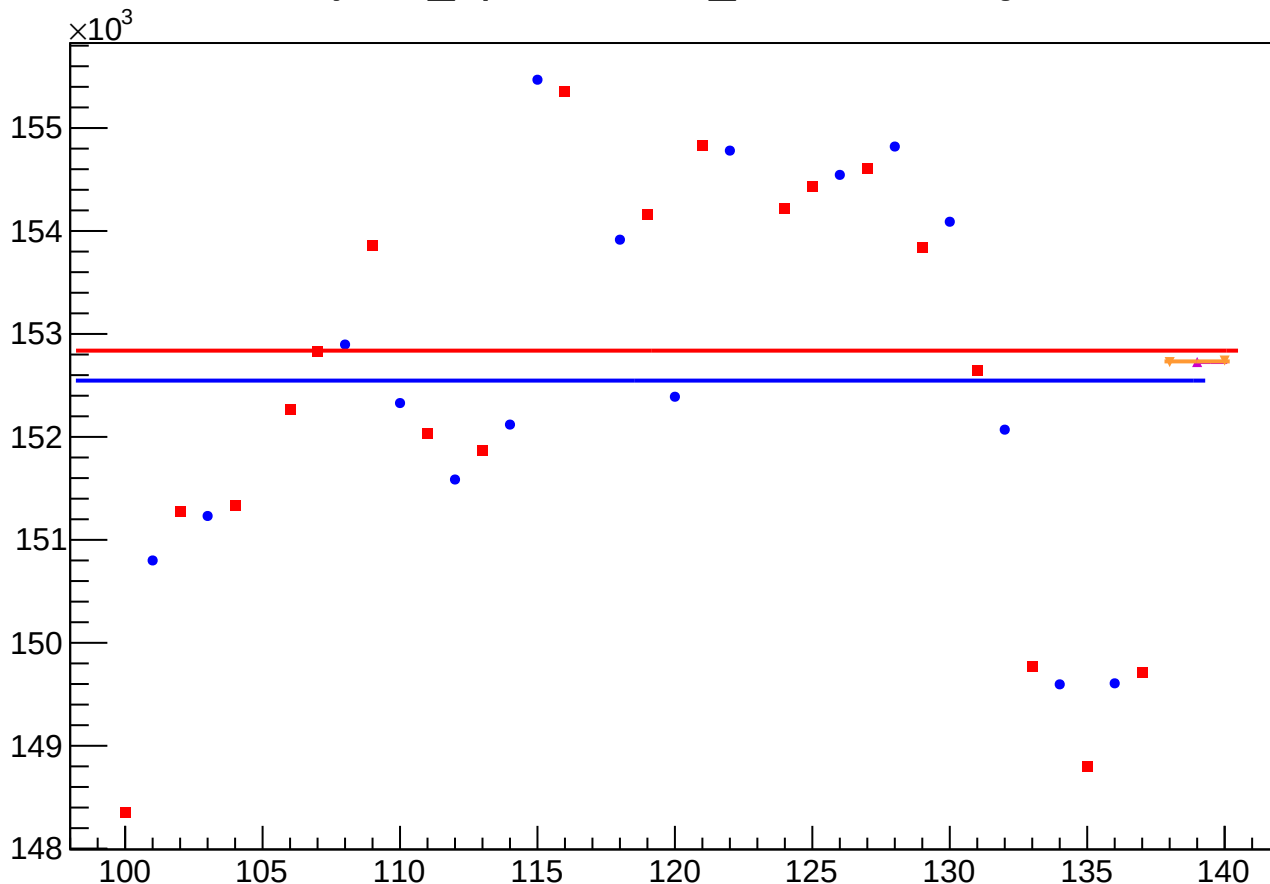
Left In: 180.329 $\pm$ 0.139 χ^2 /NDF:0.0/0

+ sign 140.950 $\pm$ 0.036 χ^2 /NDF: 1547459.0/17

All: 136.524 $\pm$ 0.025 χ^2 /NDF: 3317911.9/37

- sign 132.344 $\pm$ 0.035 χ^2 /NDF: 1740926.1/19

yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073 χ^2/NDF : 654540559.6/15

Left Out: 152733.369 $\pm$ 0.146 χ^2/NDF : 2592.6/1

Right Out: 152837.888 $\pm$ 0.067 χ^2/NDF : 736907066.8/18

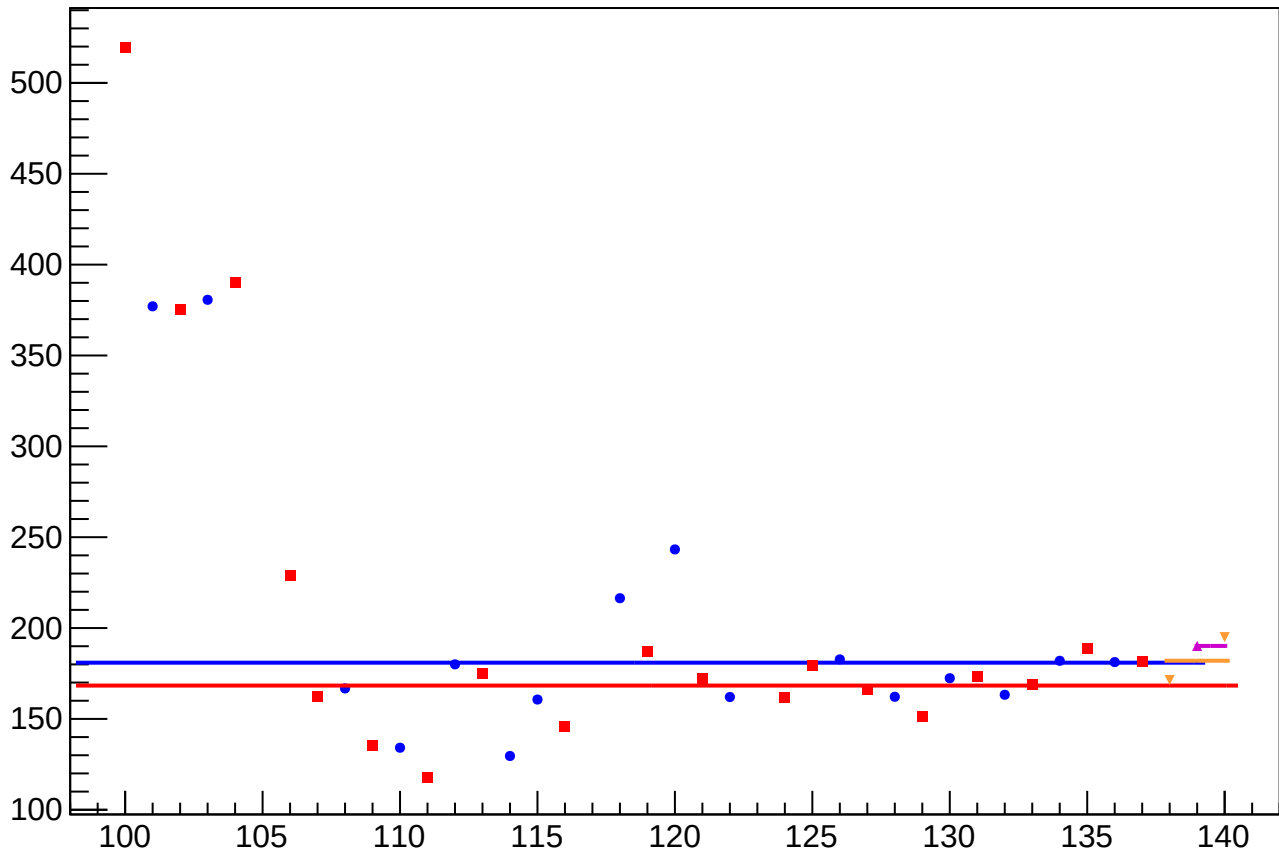
Left In: 152727.250 $\pm$ 0.208 χ^2/NDF : 0.0/0

+ sign 152583.749 $\pm$ 0.065 χ^2/NDF : 655846280.5/1

All: 152708.636 $\pm$ 0.045 χ^2/NDF : 140020732

- sign 152827.596 $\pm$ 0.063 χ^2/NDF : 737163341.0/1

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 ± 0.051 χ^2/NDF : 907758.2/15

Left Out: 182.018 ± 0.103 χ^2/NDF : 12872.4/1

Right Out: 168.349 ± 0.047 χ^2/NDF : 1089090.2/18

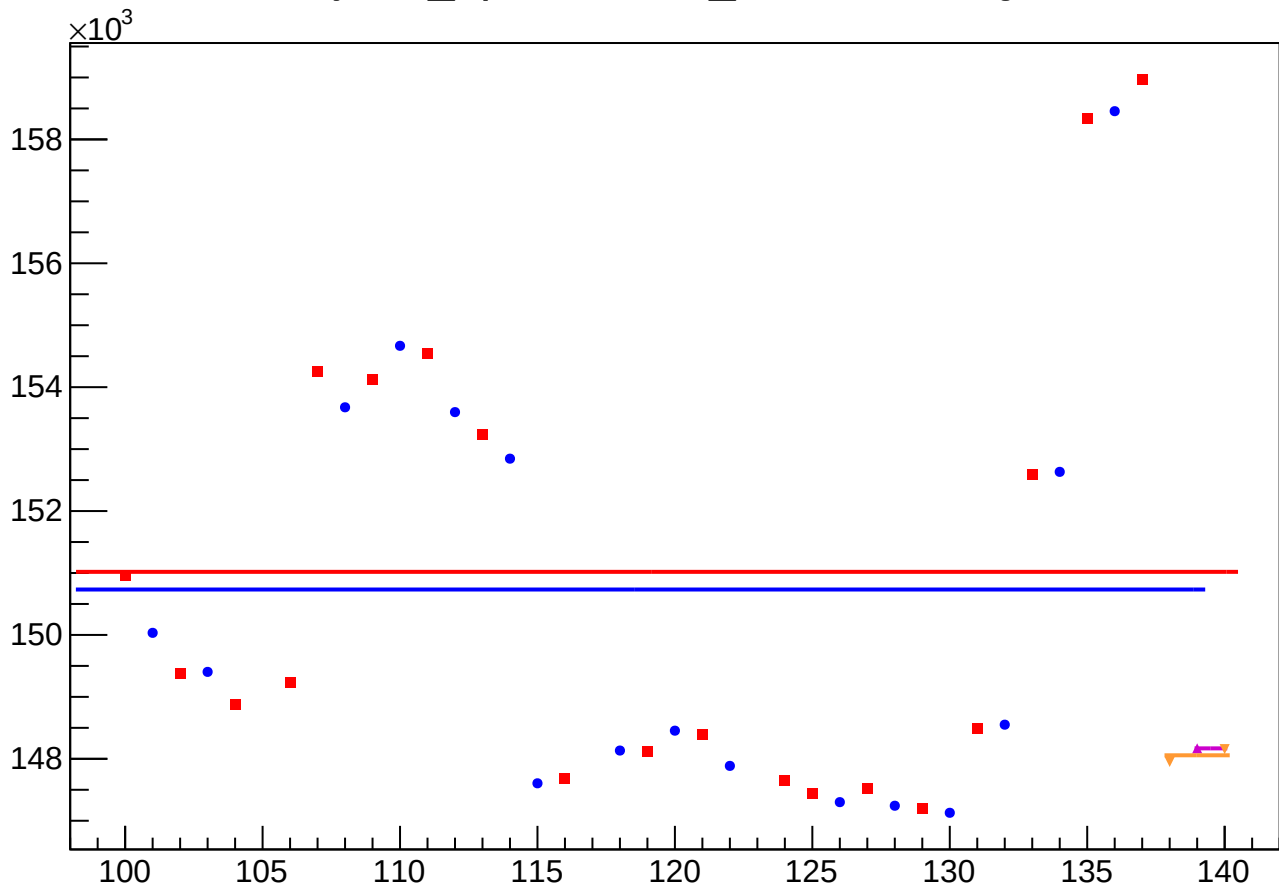
Left In: 190.165 ± 0.147 χ^2/NDF : 0.0/0

+ sign 181.152 ± 0.046 χ^2/NDF : 920717.9/17

All: 175.634 ± 0.032 χ^2/NDF : 2057833.4/37

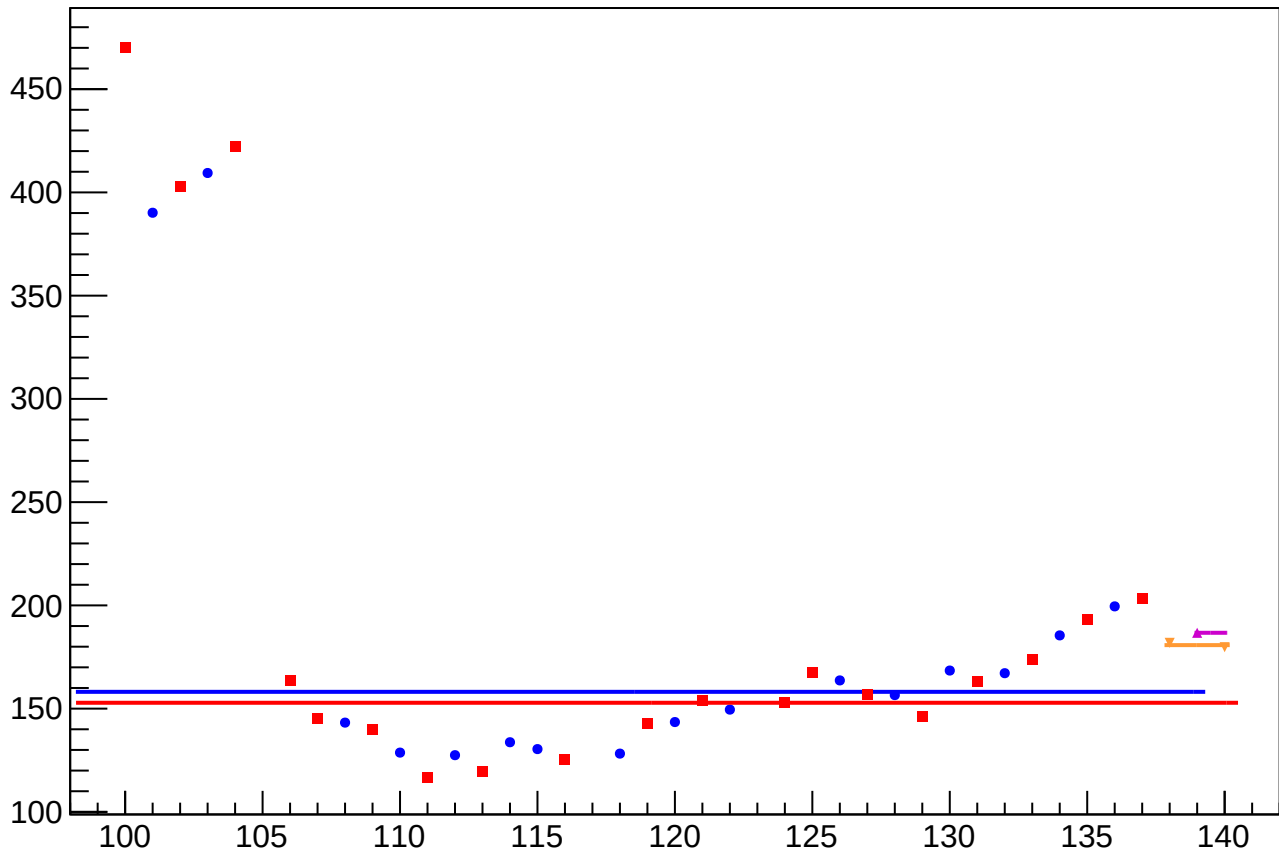
- sign 170.379 ± 0.045 χ^2/NDF : 1109017.9/19

yield_bpm0i01WS_mean vs Slug



Right In: 150733.301 $\pm$ 0.063 χ^2 /NDF: 3283848751.0/15
 Left Out: 148056.917 $\pm$ 0.144 χ^2 /NDF: 512326.3/1
 Right Out: 151018.500 $\pm$ 0.060 χ^2 /NDF: 3286131878.7/18
 Left In: 148168.684 $\pm$ 0.204 χ^2 /NDF: 0.0/0
 + sign 150305.250 $\pm$ 0.058 χ^2 /NDF: 3573936485.3
 All: 150548.375 $\pm$ 0.041 χ^2 /NDF: 707523981
 - sign 150791.169 $\pm$ 0.058 χ^2 /NDF: 3465756711.7/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138 $\pm$ 0.044 χ^2 /NDF: 1195699.5/15

Left Out: 180.760 $\pm$ 0.102 χ^2 /NDF:107.7/1

Right Out: 152.841 $\pm$ 0.042 χ^2 /NDF: 1264236.1/18

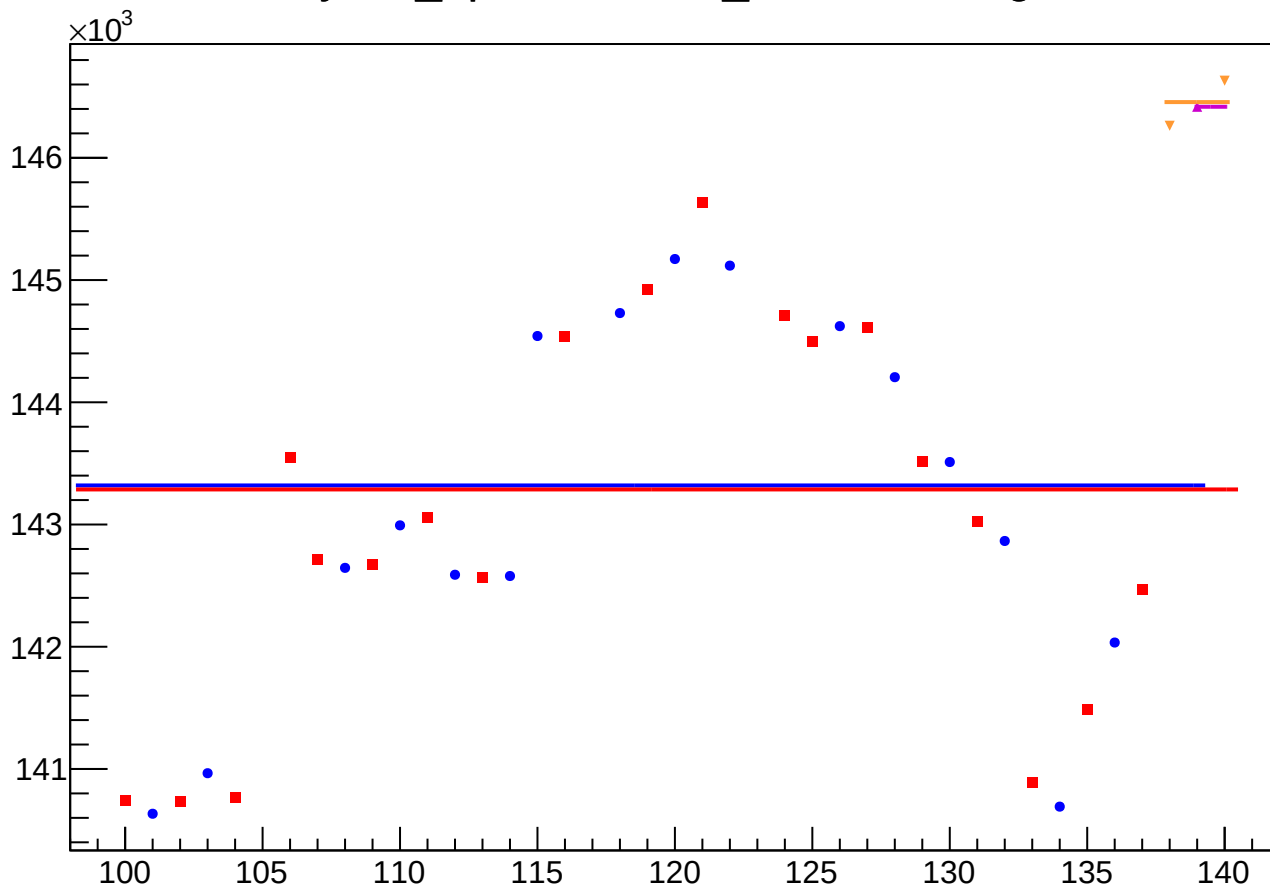
Left In: 186.733 $\pm$ 0.144 χ^2 /NDF:0.0/0

+ sign 161.756 $\pm$ 0.041 χ^2 /NDF: 1237184.5/17

All: 158.648 $\pm$ 0.029 χ^2 /NDF: 2563848.5/37

- sign 155.545 $\pm$ 0.041 χ^2 /NDF: 1315048.2/19

yield_bpm0i01aWS_mean vs Slug



Right In: 143319.651 $\pm$ 0.053 χ^2 /NDF: 559301530.7/15

Left Out: 146456.095 $\pm$ 0.143 χ^2 /NDF: 1660798.9/1

Right Out: 143286.960 $\pm$ 0.050 χ^2 /NDF: 620521577.8/18

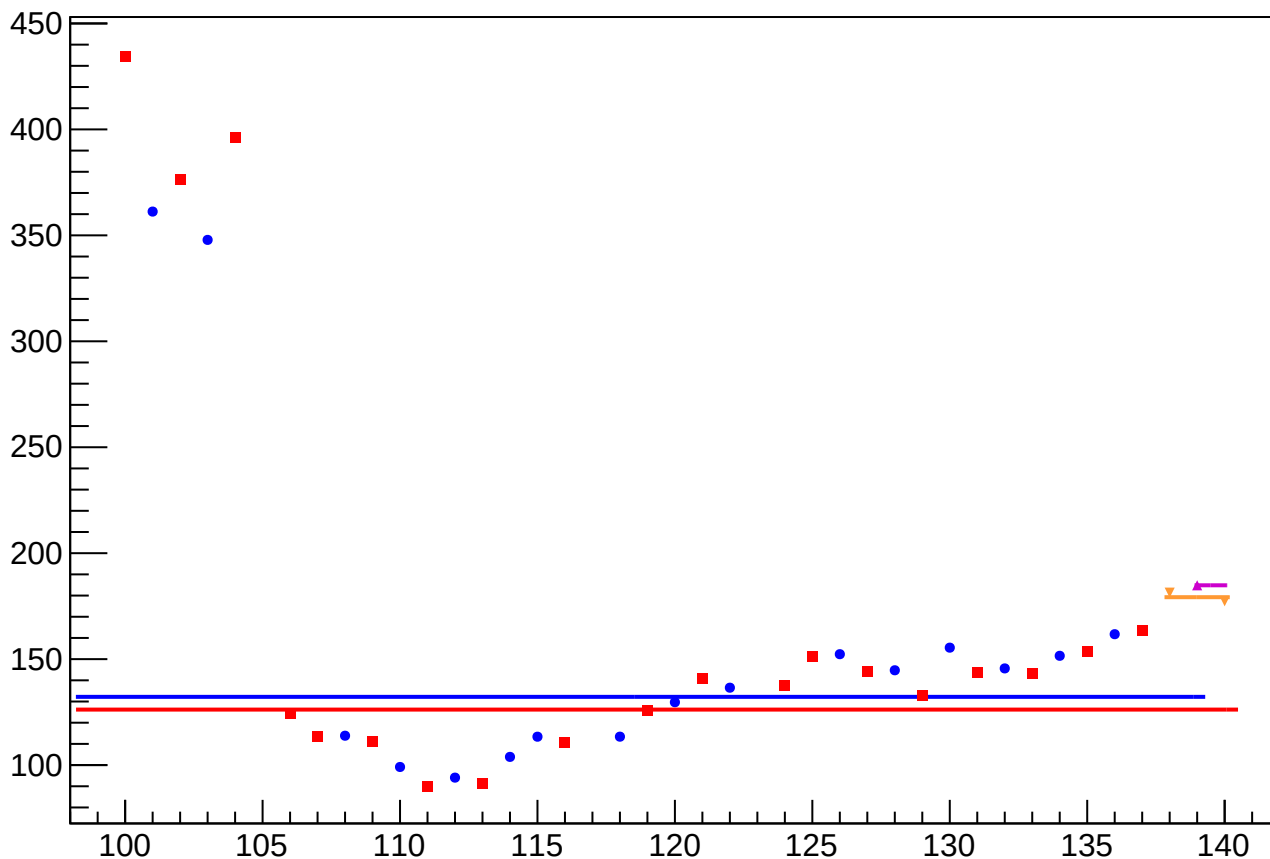
Left In: 146417.867 $\pm$ 0.202 χ^2 /NDF: 0.0/0

+ sign 143700.796 $\pm$ 0.050 χ^2 /NDF: 984548169.2/1

All: 143579.767 $\pm$ 0.035 χ^2 /NDF: 184346943

- sign 143466.051 $\pm$ 0.048 χ^2 /NDF: 847461654.6/1

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204 $\pm$ 0.038 χ^2 /NDF: 1379168.6/15

Left Out: 179.235 $\pm$ 0.101 χ^2 /NDF:407.0/1

Right Out: 126.191 $\pm$ 0.035 χ^2 /NDF: 1545034.5/18

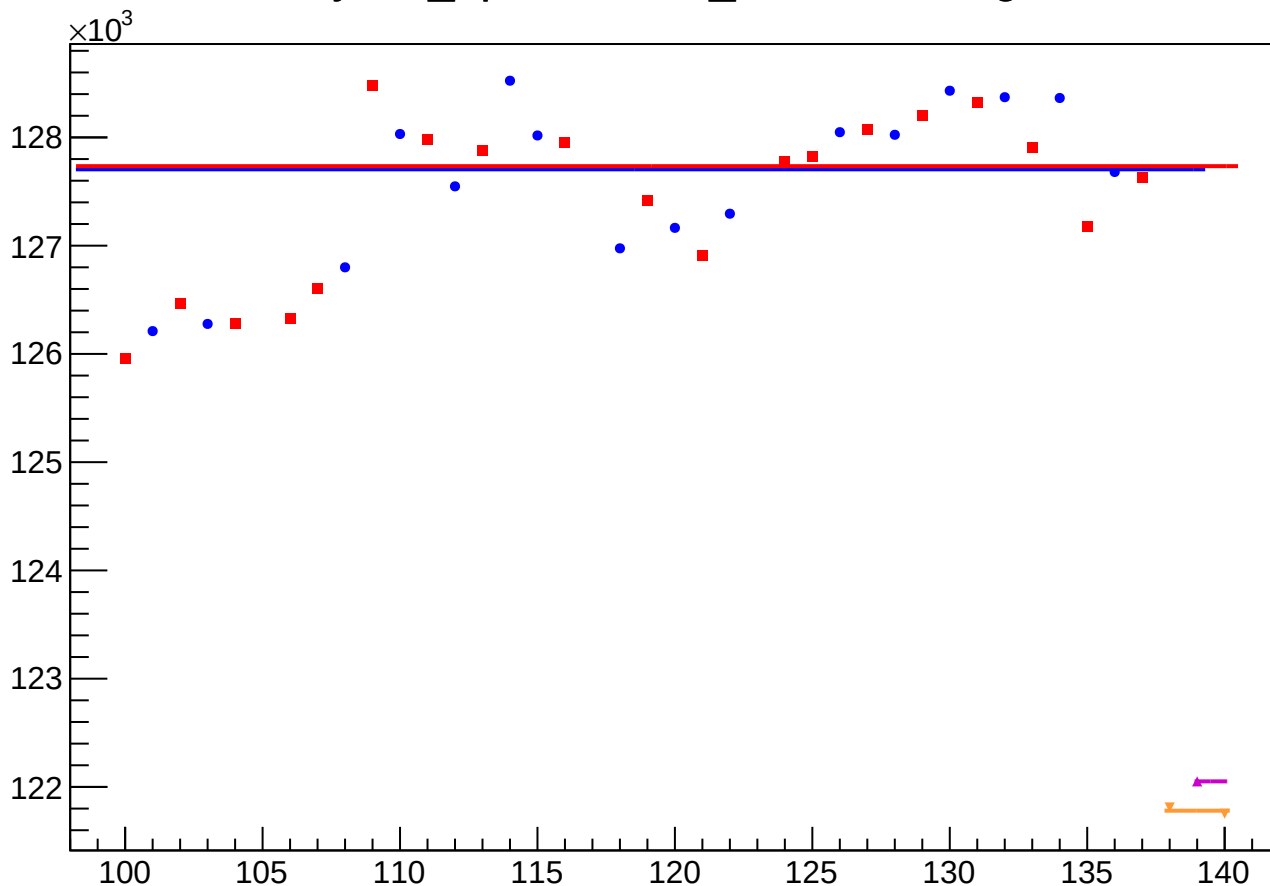
Left In: 184.848 $\pm$ 0.143 χ^2 /NDF:0.0/0

+ sign 137.919 $\pm$ 0.035 χ^2 /NDF: 1570059.5/17

All: 133.603 $\pm$ 0.025 χ^2 /NDF: 3303562.9/37

- sign 129.546 $\pm$ 0.034 χ^2 /NDF: 1704344.7/19

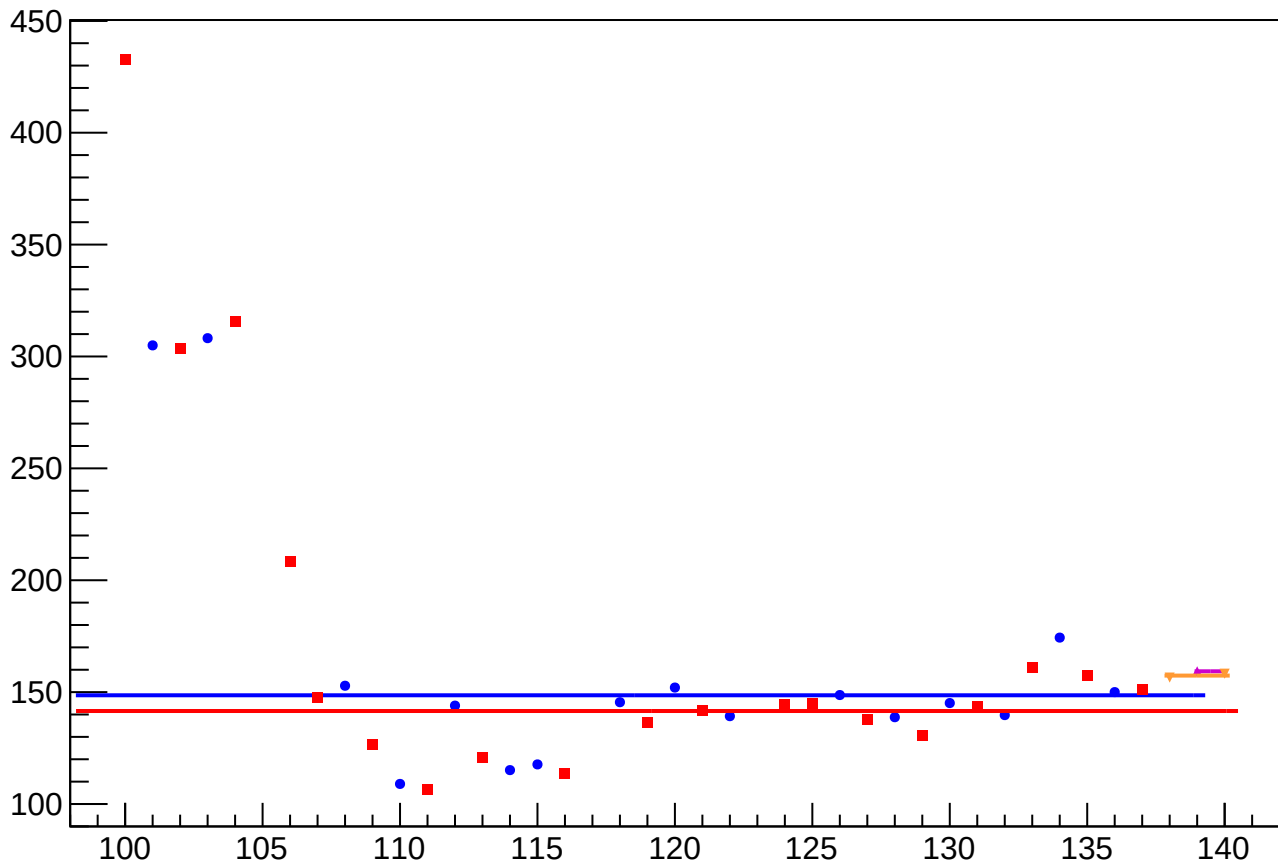
yield_bpm0l01WS_mean vs Slug



Right In: 127705.222 ± 0.058 $\chi^2/\text{NDF}: 104467207.7/15$
 Left Out: 121780.451 ± 0.127 $\chi^2/\text{NDF}: 52704.9/1$
 Right Out: 127734.542 ± 0.055 $\chi^2/\text{NDF}: 109469333.8/18$
 Left In: 122051.267 ± 0.175 $\chi^2/\text{NDF}: 0.0/0$

+ sign 126674.091 ± 0.053 $\chi^2/\text{NDF}: 1894791231.3$
 All: 126952.936 ± 0.037 $\chi^2/\text{NDF}: 302001810$
 - sign 127224.488 ± 0.052 $\chi^2/\text{NDF}: 1070775099.0$

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF : 827701.4/15

Left Out: 157.392+/-0.090 χ^2/NDF : 93.1/1

Right Out: 141.563+/-0.039 χ^2/NDF : 1001225.3/18

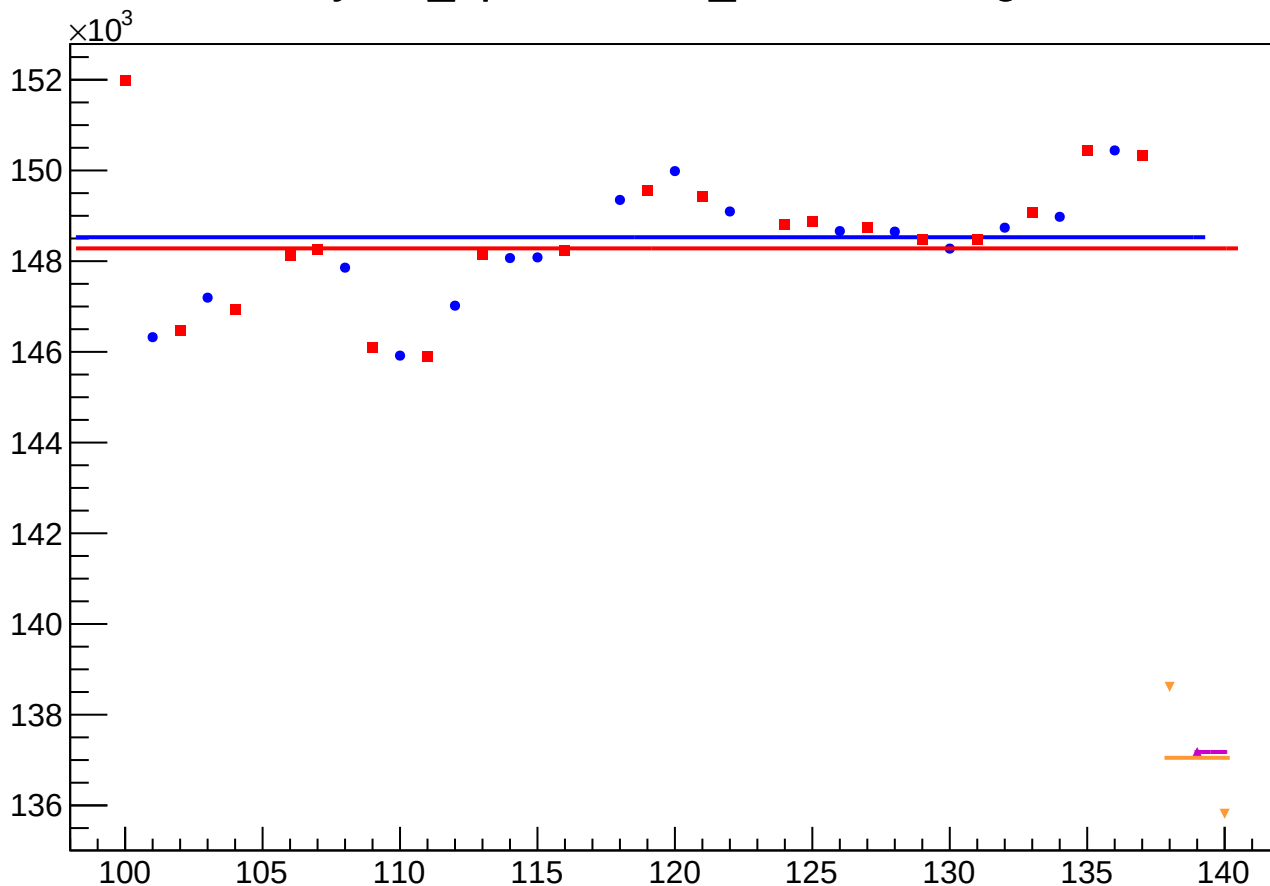
Left In: 159.307+/-0.124 χ^2/NDF : 0.0/0

+ sign 150.124+/-0.038 χ^2/NDF : 835691.7/17

All: 146.594+/-0.026 χ^2/NDF : 1873116.8/37

- sign 143.156+/-0.037 χ^2/NDF : 1019966.3/19

yield_bpm0l02WS_mean vs Slug



Right In: 148527.678 $\pm$ 0.082 χ^2 /NDF: 209208133.0/15

Left Out: 137049.598 $\pm$ 0.184 χ^2 /NDF: 56746013.7/1

Right Out: 148282.003 $\pm$ 0.077 χ^2 /NDF: 294673557.8/18

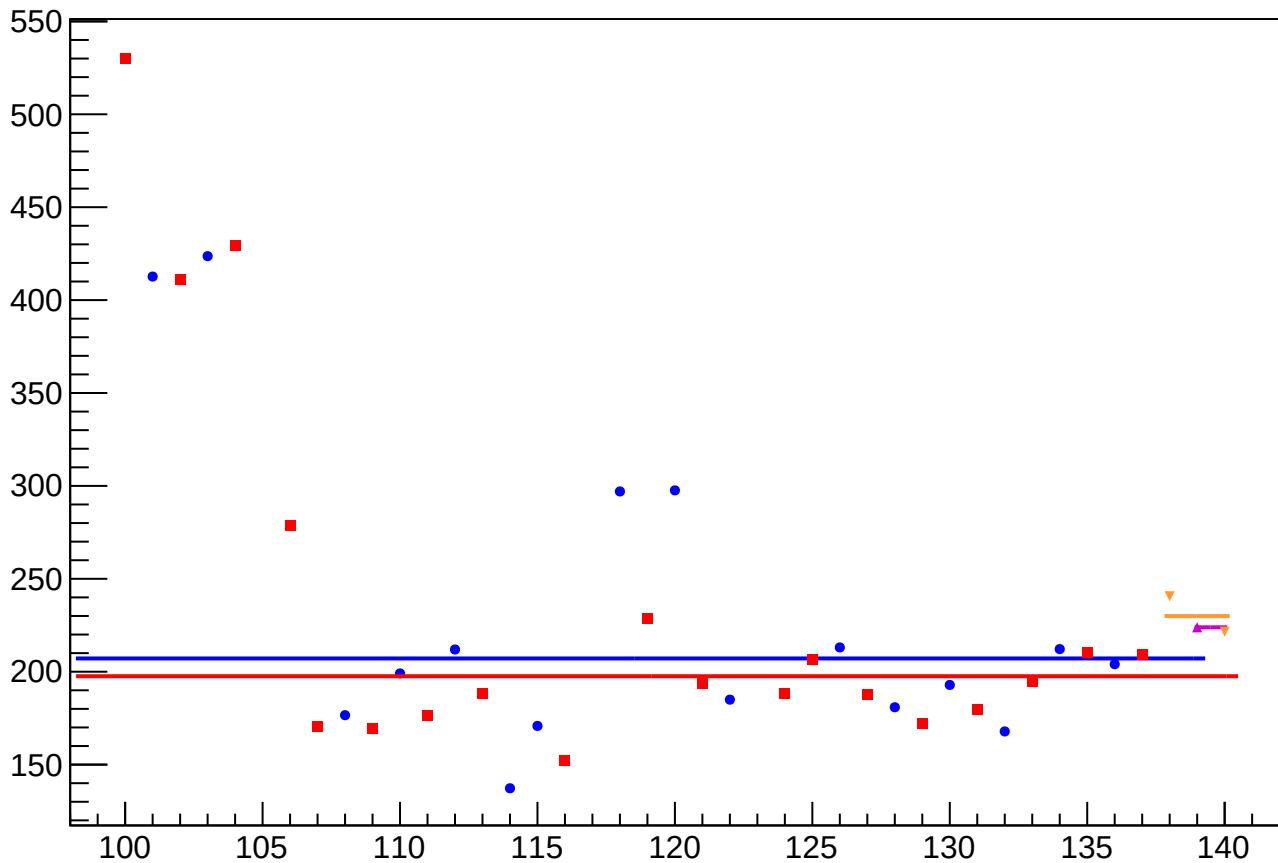
Left In: 137177.707 $\pm$ 0.245 χ^2 /NDF: 0.0/0

+ sign 146635.689 $\pm$ 0.075 χ^2 /NDF: 3500355271.0/1

All: 146972.504 $\pm$ 0.052 χ^2 /NDF: 570480177.0/1

- sign 147293.616 $\pm$ 0.073 χ^2 /NDF: 2164927731.7/1

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF : 972216.9/15

Left Out: 229.945+/-0.130 χ^2/NDF : 5264.0/1

Right Out: 197.571+/-0.054 χ^2/NDF : 903999.3/18

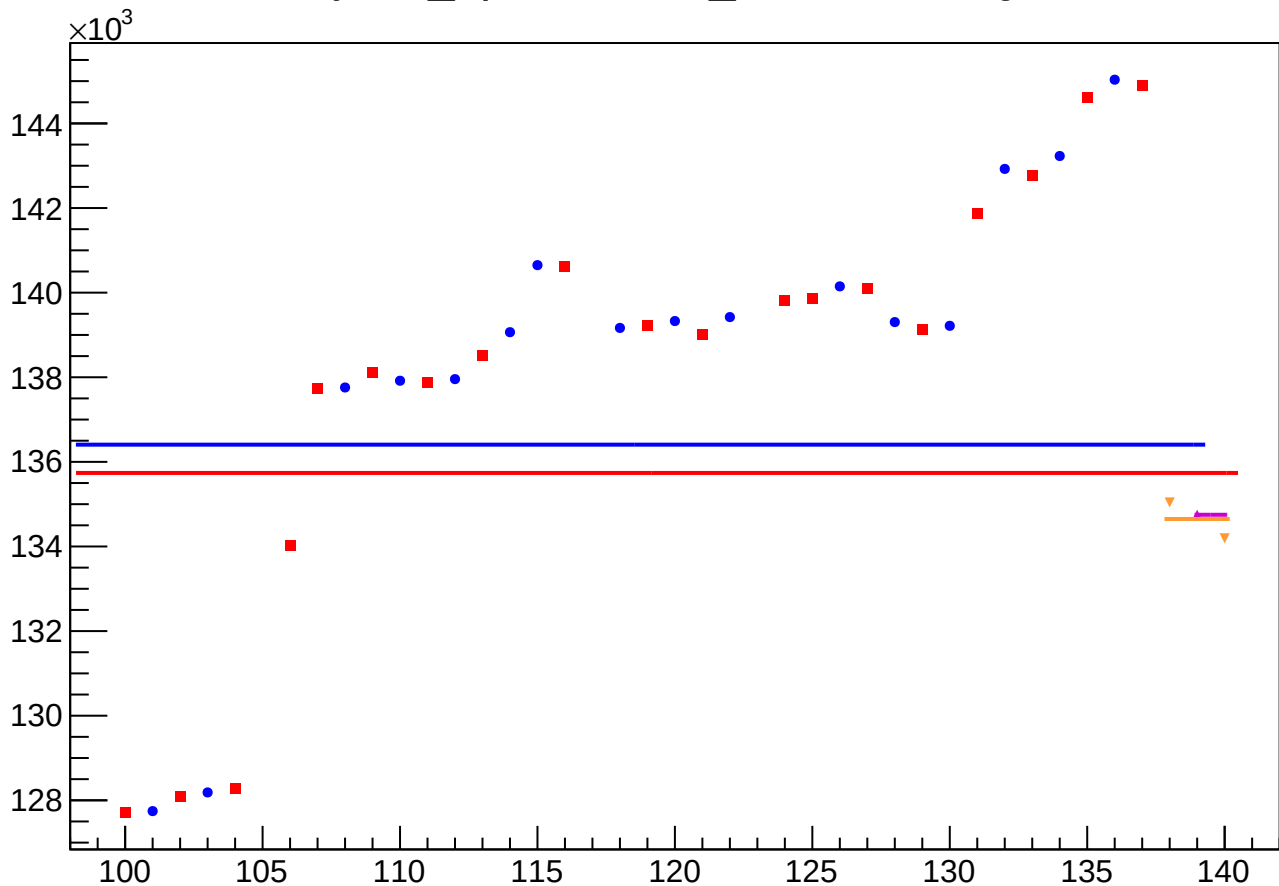
Left In: 223.903+/-0.173 χ^2/NDF : 0.0/0

+ sign 210.895+/-0.053 χ^2/NDF : 1003026.6/17

All: 205.274+/-0.037 χ^2/NDF : 1950072.7/37

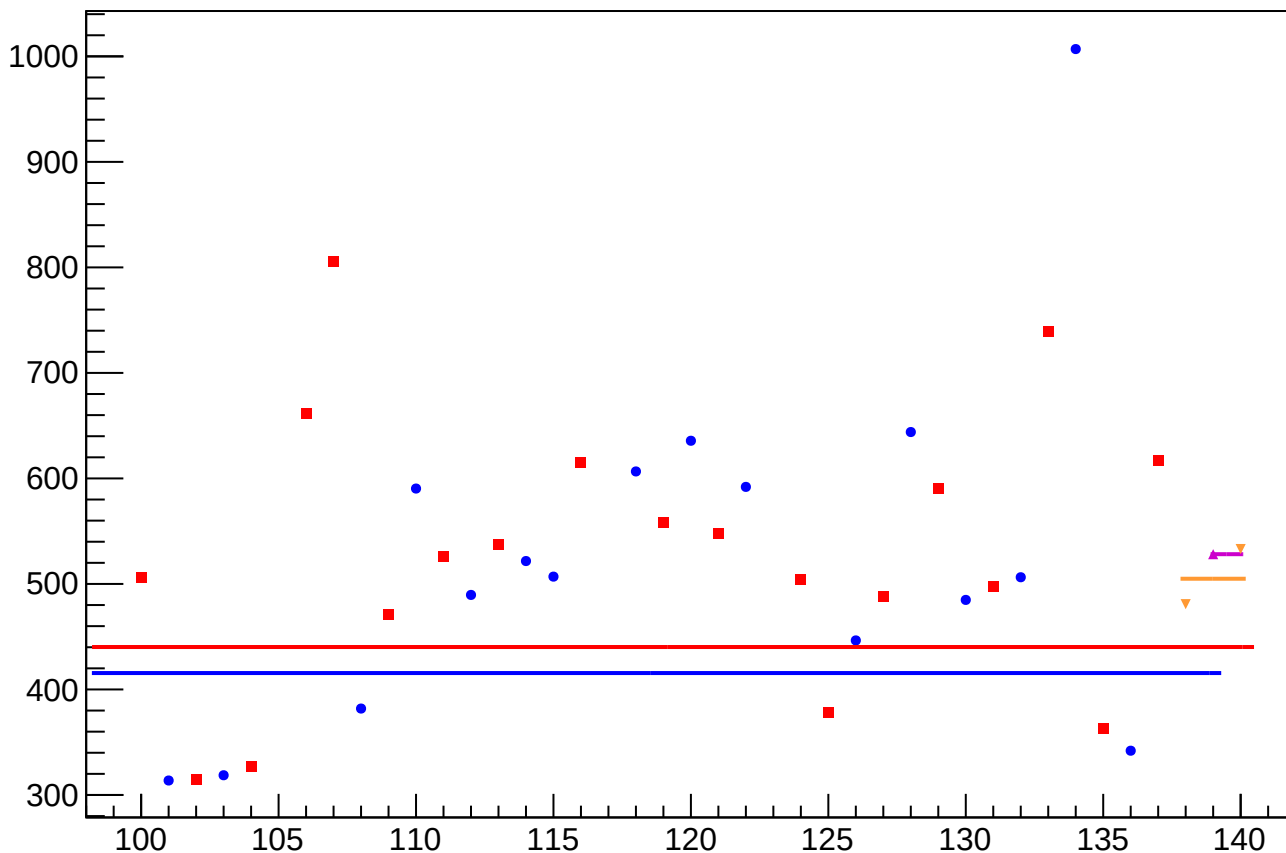
- sign 199.915+/-0.052 χ^2/NDF : 925033.3/19

yield_bpm0l03WS_mean vs Slug



Right In: 136406.923 $\pm$ 0.169 χ^2 /NDF: 1577071044.7/15
 Left Out: 134649.801 $\pm$ 0.420 χ^2 /NDF: 1011213.5/1
 Right Out: 135738.412 $\pm$ 0.177 χ^2 /NDF: 1174123878.0/18
 Left In: 134749.640 $\pm$ 0.645 χ^2 /NDF: 0.0/0
 + sign 136163.090 $\pm$ 0.156 χ^2 /NDF: 1593158849.7
 All: 135937.276 $\pm$ 0.115 χ^2 /NDF: 277402430
 - sign 135669.392 $\pm$ 0.170 χ^2 /NDF: 1176310331.4

yield_bpm0l03WS_rms vs Slug



Right In: 415.547 $\pm$ 0.119 χ^2 /NDF: 1031600.7/15

Left Out: 504.927 $\pm$ 0.297 χ^2 /NDF: 7695.4/1

Right Out: 440.218 $\pm$ 0.125 χ^2 /NDF: 910790.1/18

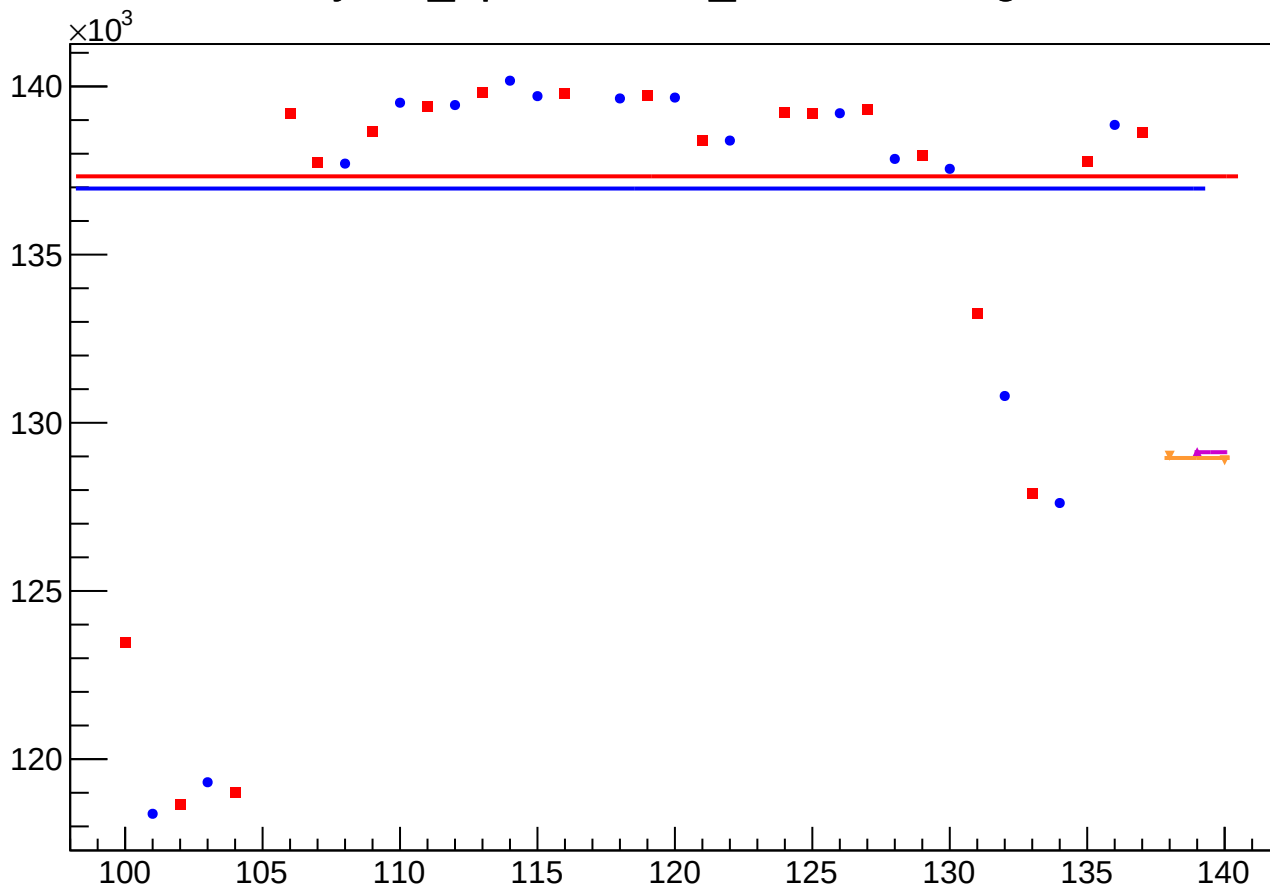
Left In: 528.192 $\pm$ 0.456 χ^2 /NDF: 0.0/0

+ sign 427.950 $\pm$ 0.111 χ^2 /NDF: 1117317.1/17

All: 436.370 $\pm$ 0.081 χ^2 /NDF: 2075389.8/37

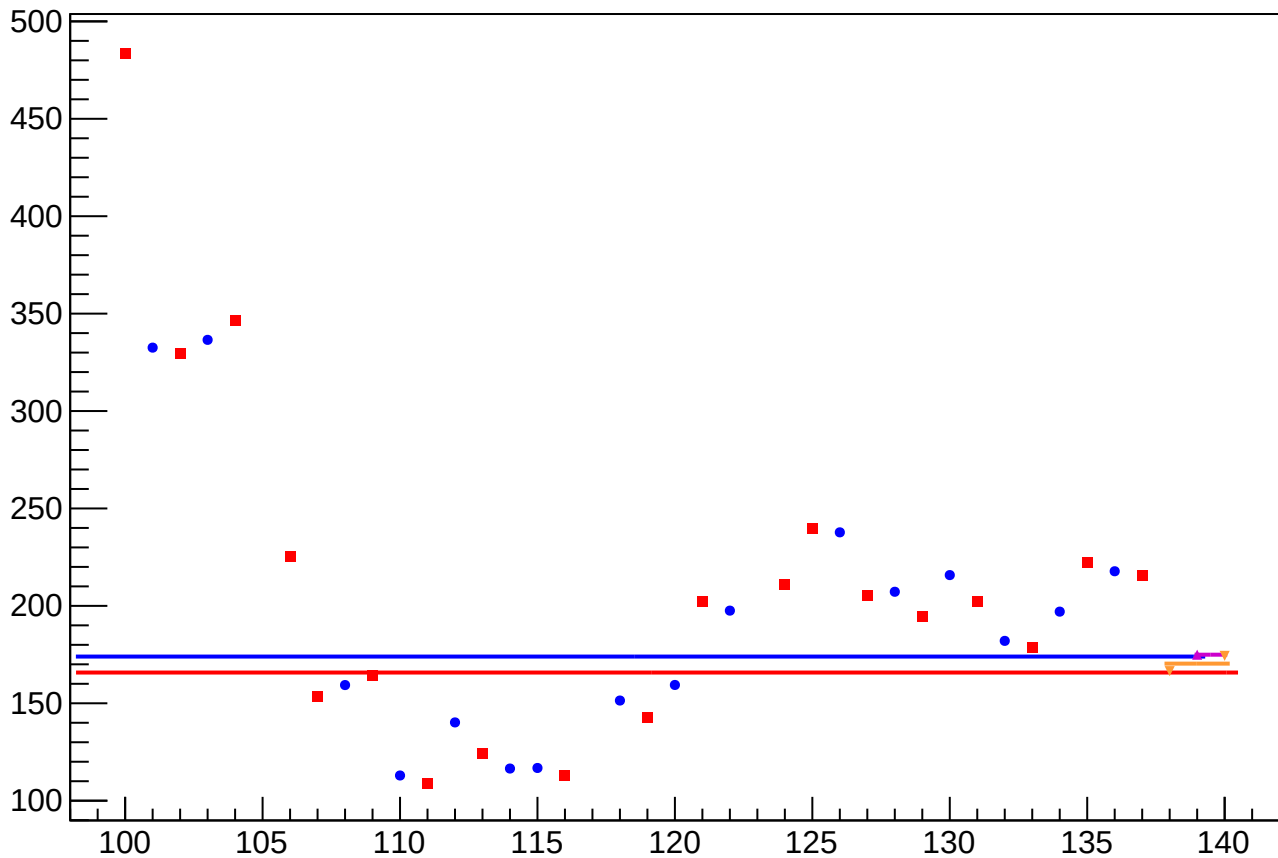
- sign 446.359 $\pm$ 0.120 χ^2 /NDF: 945407.2/19

yield_bpm0l04WS_mean vs Slug



Right In: 136964.958 $\pm$ 0.070 χ^2 /NDF: 5807770301.4/15
 Left Out: 128953.845 $\pm$ 0.137 χ^2 /NDF: 245316.1/1
 Right Out: 137327.469 $\pm$ 0.066 χ^2 /NDF: 5737745895.7/18
 Left In: 129125.801 $\pm$ 0.192 χ^2 /NDF: 0.0/0
 + sign 135310.638 $\pm$ 0.062 χ^2 /NDF: 8533892413.2
 All: 135888.502 $\pm$ 0.044 χ^2 /NDF: 160853576
 - sign 136465.872 $\pm$ 0.062 χ^2 /NDF: 7378426318.5/

yield_bpm0l04WS_rms vs Slug



Right In: 173.982 $\pm$ 0.049 χ^2 /NDF: 1188493.1/15

Left Out: 170.356 $\pm$ 0.097 χ^2 /NDF:1650.8/1

Right Out: 165.780 $\pm$ 0.046 χ^2 /NDF: 1433162.4/18

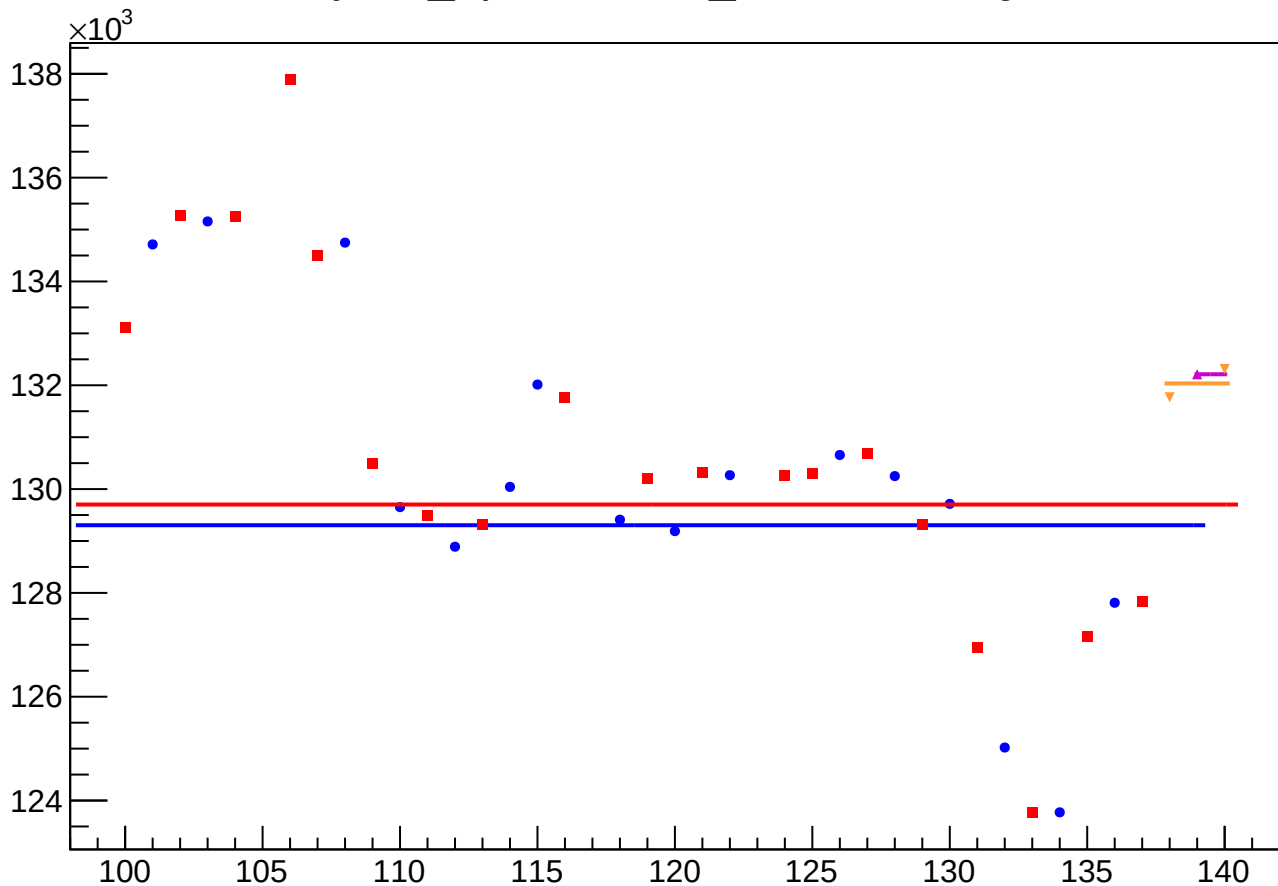
Left In: 174.940 $\pm$ 0.135 χ^2 /NDF:0.0/0

+ sign 173.233 $\pm$ 0.044 χ^2 /NDF: 1191260.9/17

All: 169.986 $\pm$ 0.031 χ^2 /NDF: 2639439.1/37

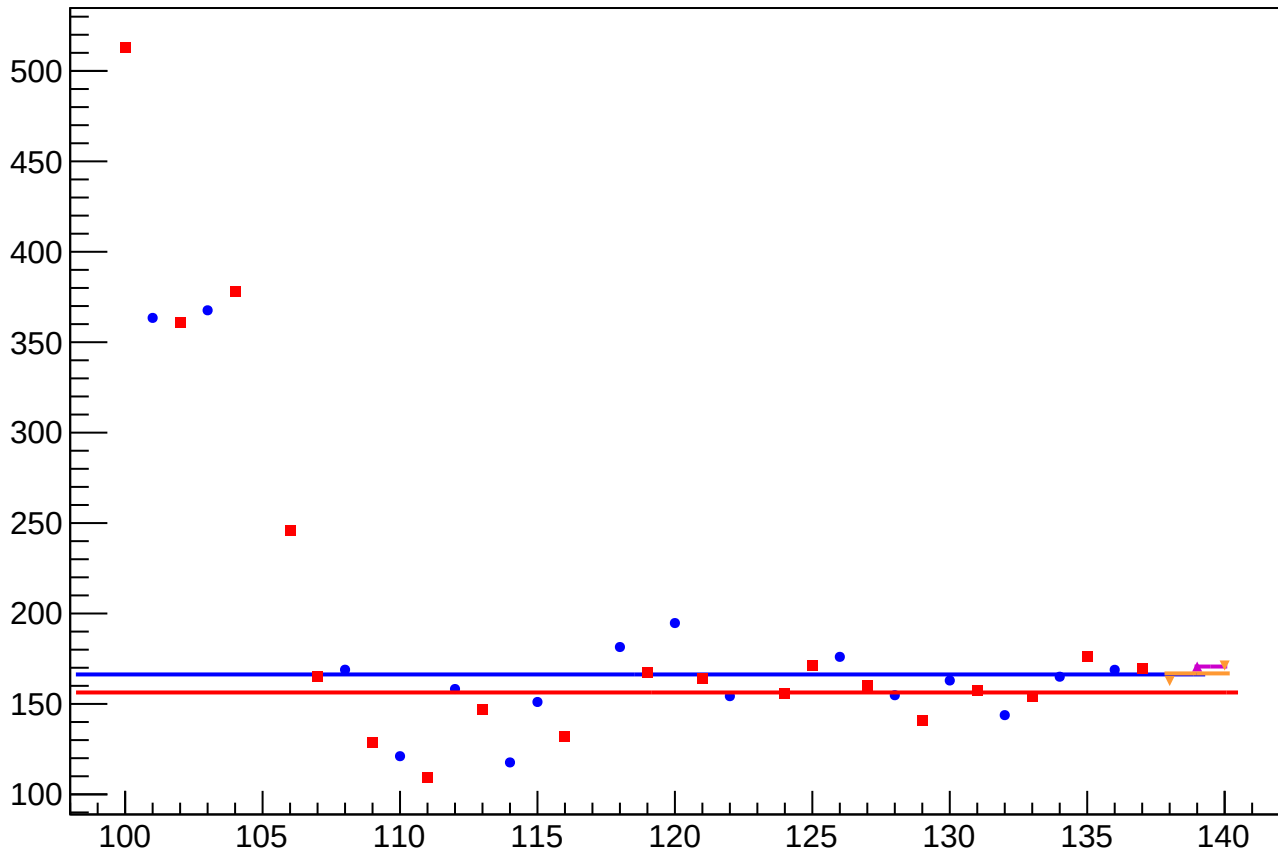
- sign 166.743 $\pm$ 0.044 χ^2 /NDF: 1437254.6/19

yield_bpm0l05WS_mean vs Slug



Right In: 129303.894 $\pm$ 0.066 χ^2 /NDF: 1650235360.7/15
 Left Out: 132034.880 $\pm$ 0.134 χ^2 /NDF: 4130763.7/1
 Right Out: 129702.568 $\pm$ 0.062 χ^2 /NDF: 1777723481.2/18
 Left In: 132212.328 $\pm$ 0.187 χ^2 /NDF: 0.0/0
 + sign 129838.799 $\pm$ 0.059 χ^2 /NDF: 1987690139.4
 All: 129894.337 $\pm$ 0.042 χ^2 /NDF: 392989332
 - sign 129948.184 $\pm$ 0.058 χ^2 /NDF: 1940479352.2

yield_bpm0l05WS_rms vs Slug



Right In: 166.302 $\pm$ 0.047 χ^2 /NDF: 937947.6/15

Left Out: 166.872 $\pm$ 0.095 χ^2 /NDF: 2046.0/1

Right Out: 156.334 $\pm$ 0.044 χ^2 /NDF: 1172834.9/18

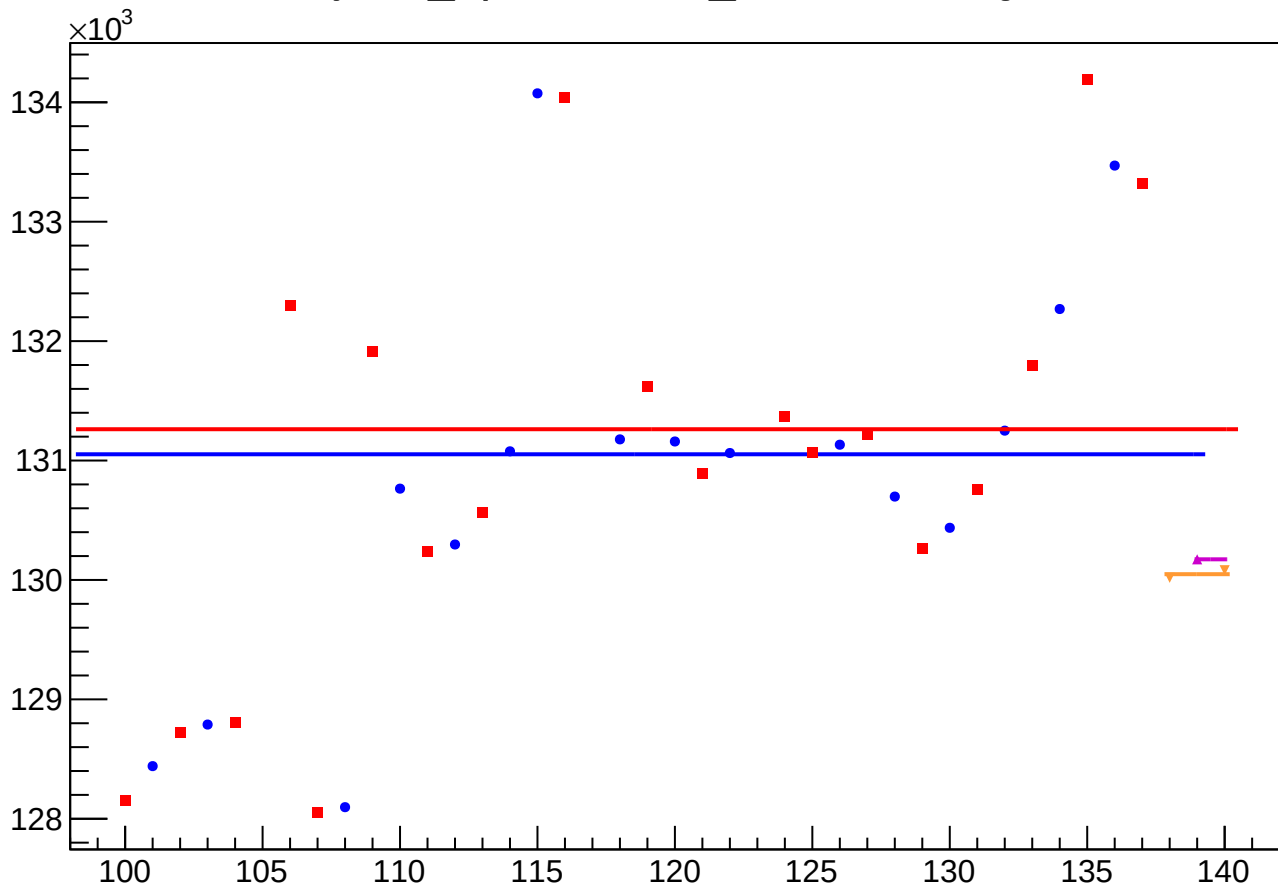
Left In: 170.673 $\pm$ 0.132 χ^2 /NDF: 0.0/0

+ sign 166.414 $\pm$ 0.042 χ^2 /NDF: 940022.6/17

All: 162.009 $\pm$ 0.029 χ^2 /NDF: 2145174.8/37

- sign 157.737 $\pm$ 0.041 χ^2 /NDF: 1183460.2/19

yield_bpm0l06WS_mean vs Slug



Right In: 131052.422 $\pm$ 0.061 χ^2 /NDF: 523713045.8/15

Left Out: 130048.287 $\pm$ 0.129 χ^2 /NDF: 60561.1/1

+ sign 130869.872 $\pm$ 0.055 χ^2 /NDF: 573621740.1/1

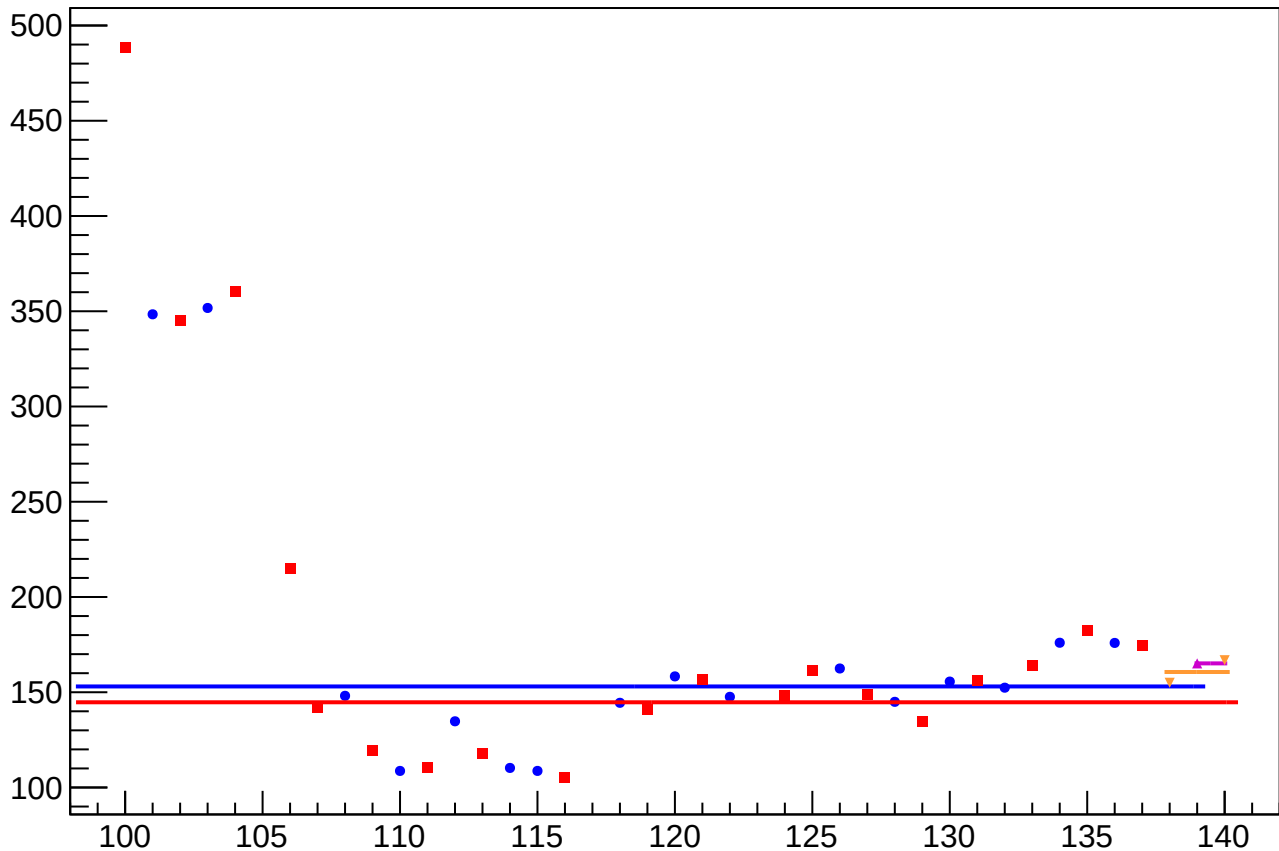
Right Out: 131262.232 $\pm$ 0.057 χ^2 /NDF: 604278186.1/18

All: 131019.365 $\pm$ 0.039 χ^2 /NDF: 122567010

- sign 131164.603 $\pm$ 0.054 χ^2 /NDF: 637404241.5/1

Left In: 130172.778 $\pm$ 0.181 χ^2 /NDF: 0.0/0

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF : 1059470.3/15

Left Out: 160.629+/-0.091 χ^2/NDF : 4219.9/1

Right Out: 144.731+/-0.040 χ^2/NDF : 1263423.6/18

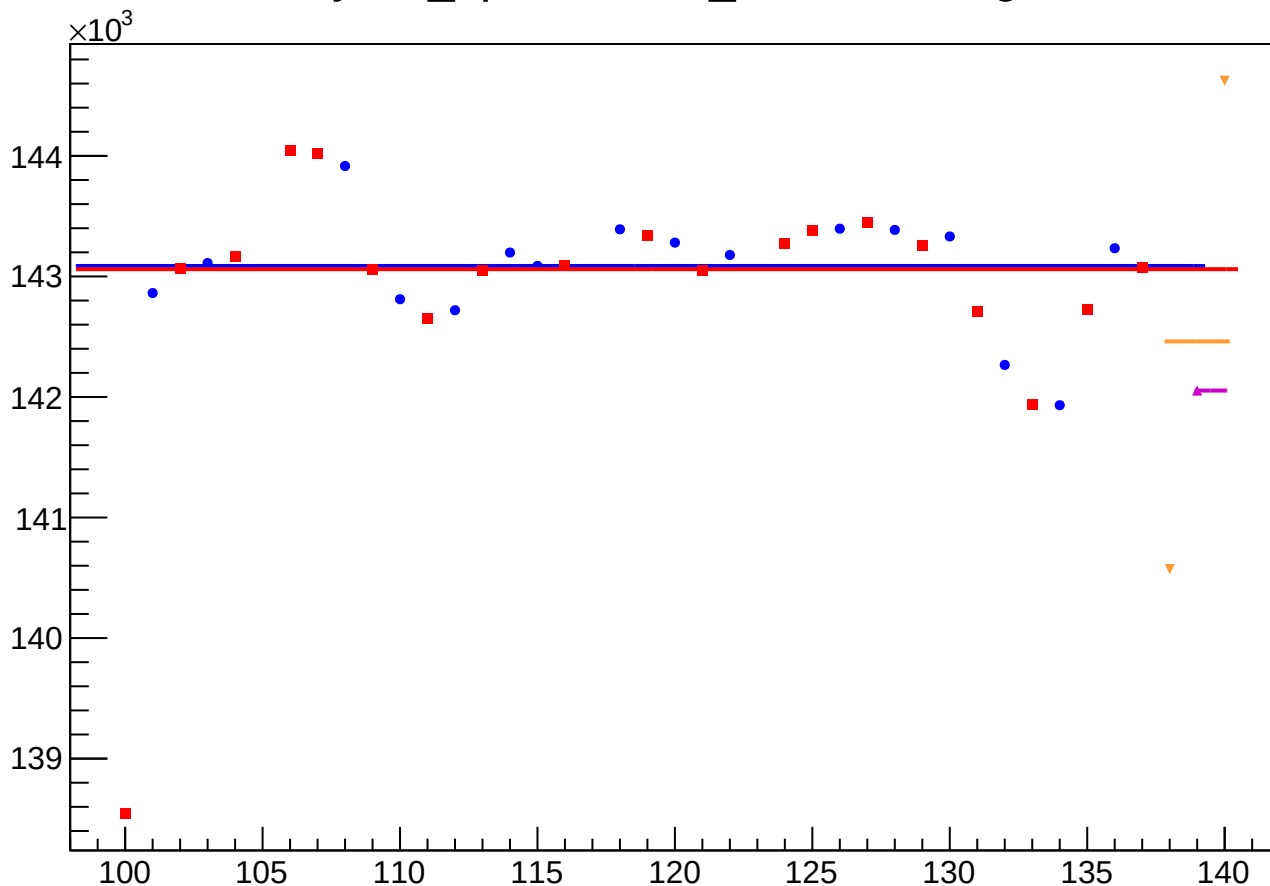
Left In: 165.149+/-0.128 χ^2/NDF : 0.0/0

+ sign 154.422+/-0.039 χ^2/NDF : 1069380.4/17

All: 150.434+/-0.027 χ^2/NDF : 2376912.2/37

- sign 146.560+/-0.038 χ^2/NDF : 1286694.8/19

yield_bpm0l07WS_mean vs Slug



Right In: 143086.477 $\pm$ 0.065 χ^2 /NDF: 46726277.8/15

Left Out: 142461.245 $\pm$ 0.152 χ^2 /NDF: 177719404.7/1

Right Out: 143060.268 $\pm$ 0.061 χ^2 /NDF: 51715744.7/18

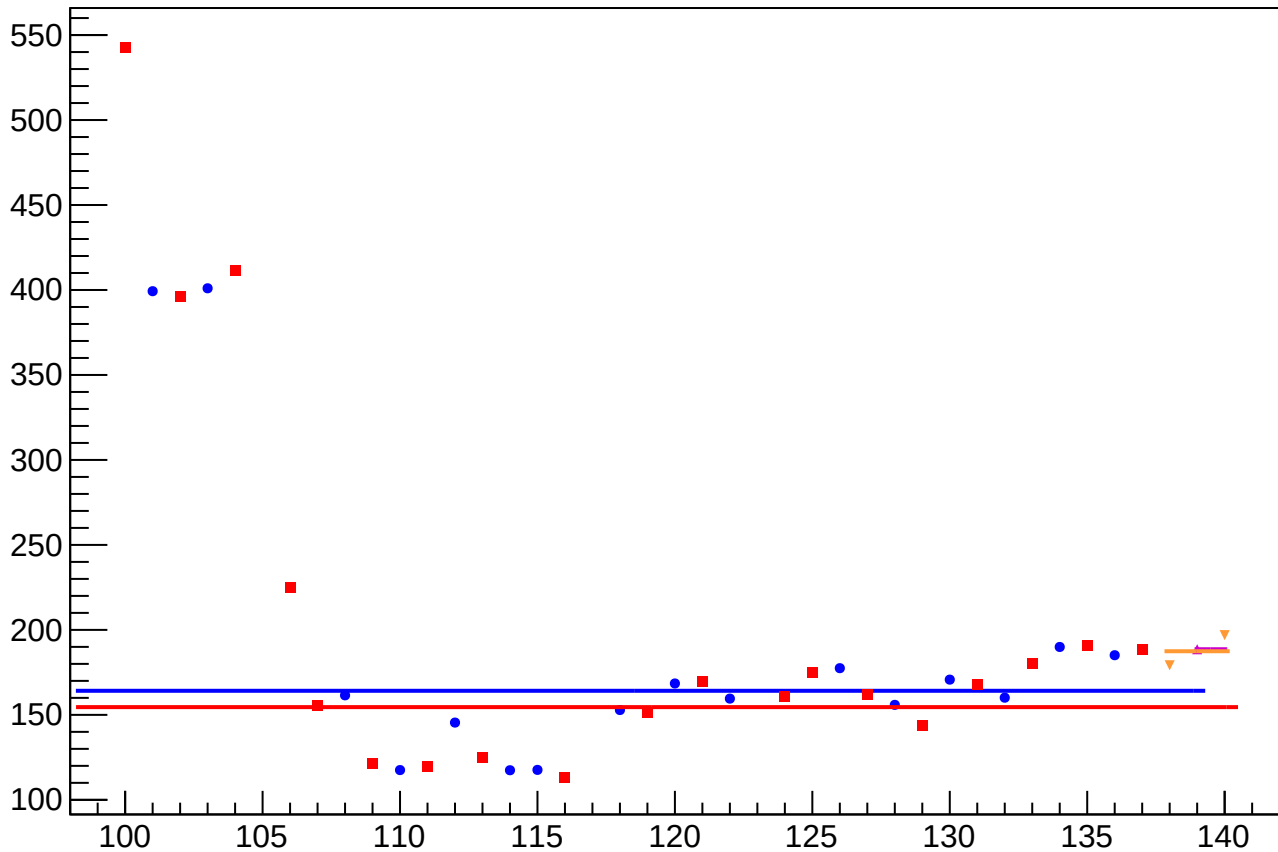
Left In: 142053.335 $\pm$ 0.207 χ^2 /NDF: 0.0/0

+ sign 142989.198 $\pm$ 0.060 χ^2 /NDF: 238804573.9/1

All: 142984.682 $\pm$ 0.042 χ^2 /NDF: 312389450

- sign 142980.405 $\pm$ 0.058 χ^2 /NDF: 73573773.5/19

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF : 1129764.4/15

Left Out: 187.437+/-0.107 χ^2/NDF : 6813.1/1

Right Out: 154.558+/-0.043 χ^2/NDF : 1366830.5/18

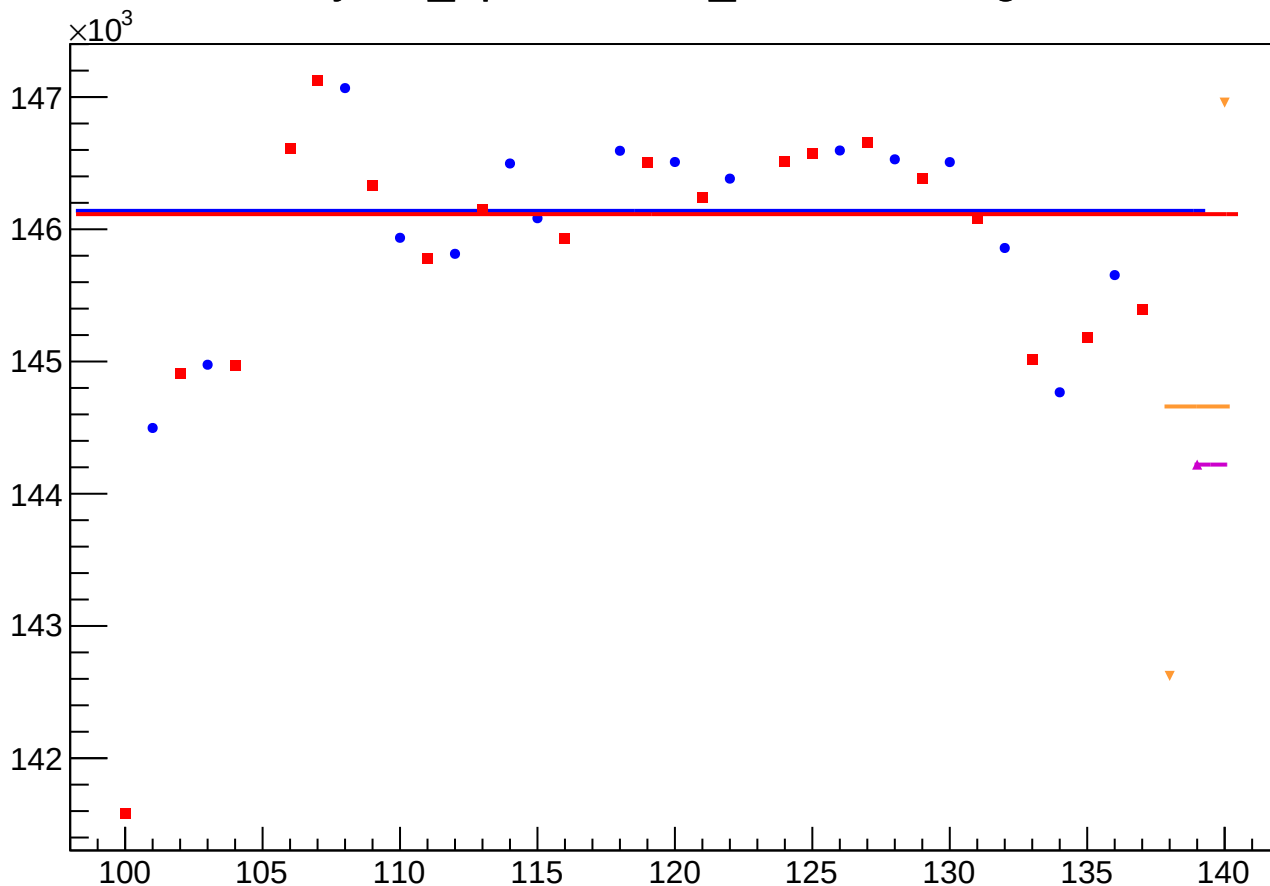
Left In: 188.620+/-0.146 χ^2/NDF : 0.0/0

+ sign 167.787+/-0.042 χ^2/NDF : 1176359.1/17

All: 162.380+/-0.029 χ^2/NDF : 2625044.8/37

- sign 157.259+/-0.041 χ^2/NDF : 1416855.7/19

yield_bpm0l08WS_mean vs Slug



Right In: 146139.237 $\pm$ 0.067 χ^2 /NDF: 71721843.8/15

Left Out: 144659.938 $\pm$ 0.151 χ^2 /NDF: 205732791.4/1

Right Out: 146114.458 $\pm$ 0.062 χ^2 /NDF: 73102068.4/18

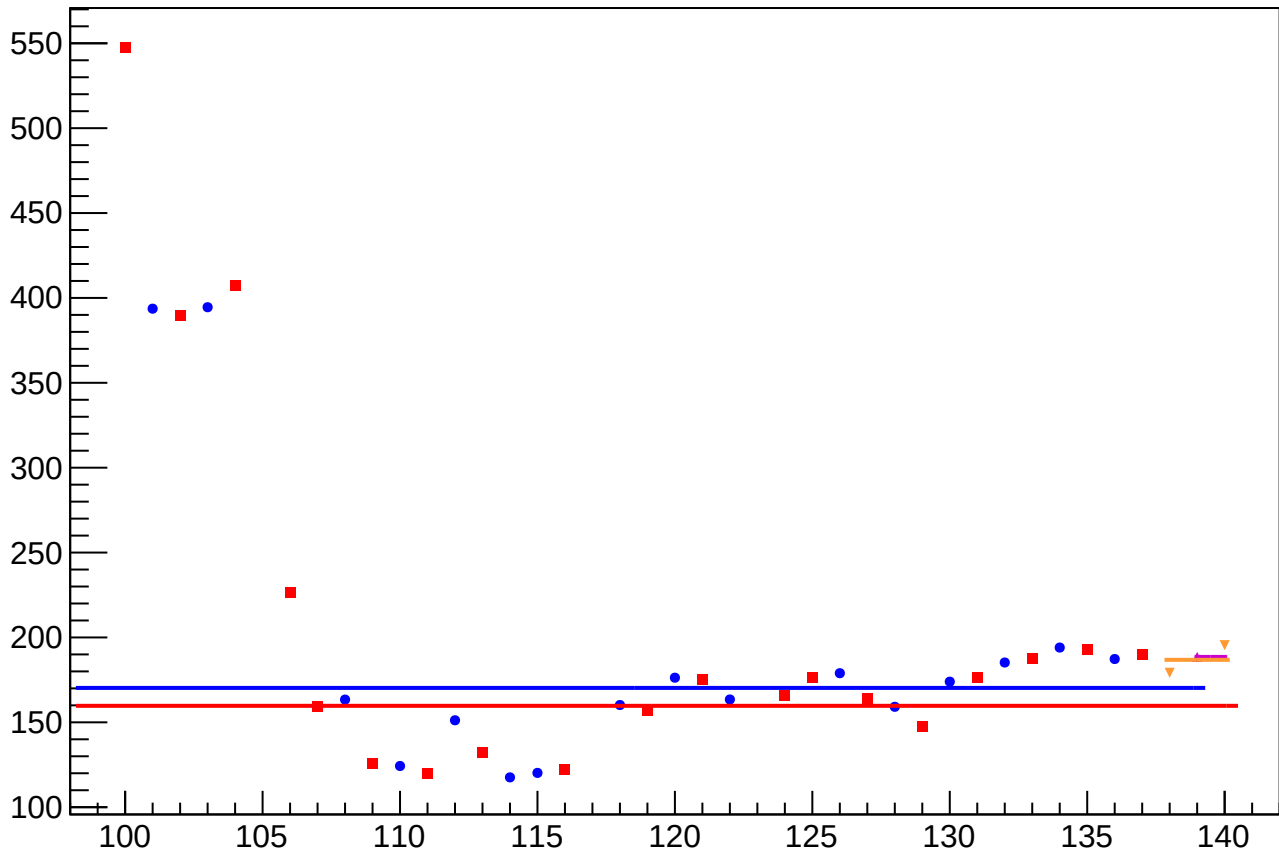
Left In: 144220.393 $\pm$ 0.206 χ^2 /NDF: 0.0/0

+ sign 145893.145 $\pm$ 0.062 χ^2 /NDF: 357611491.8/1

All: 145925.098 $\pm$ 0.043 χ^2 /NDF: 508473063

- sign 145955.274 $\pm$ 0.060 χ^2 /NDF: 150337231.4/1

yield_bpm0l08WS_rms vs Slug



Right In: 170.279 ± 0.048 $\chi^2/\text{NDF}: 1057631.0/15$

Left Out: 186.814 ± 0.107 $\chi^2/\text{NDF}: 5788.9/1$

Right Out: 159.724 ± 0.044 $\chi^2/\text{NDF}: 1291290.8/18$

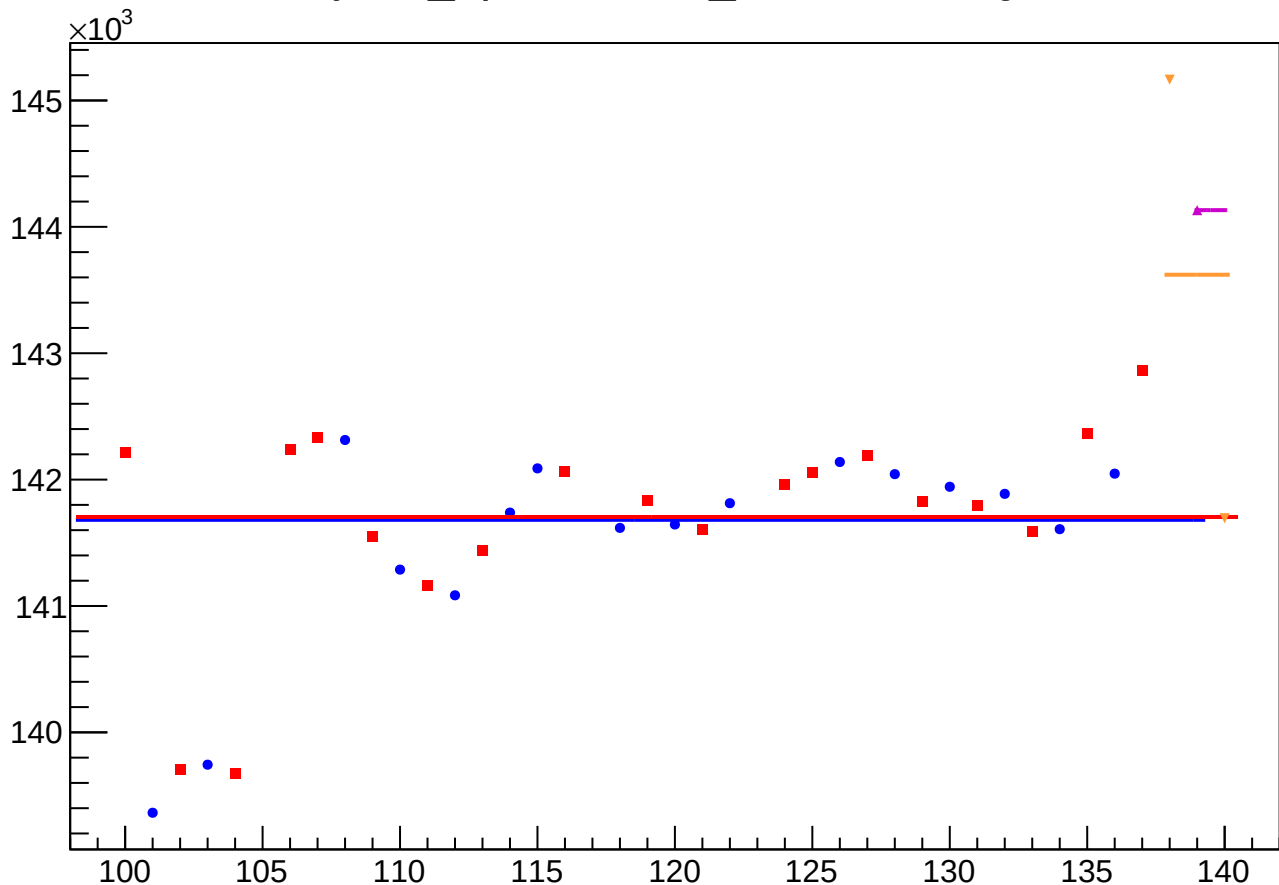
Left In: 188.530 ± 0.146 $\chi^2/\text{NDF}: 0.0/0$

+ sign 173.029 ± 0.044 $\chi^2/\text{NDF}: 1083449.9/17$

All: 167.432 ± 0.030 $\chi^2/\text{NDF}: 2442656.1/37$

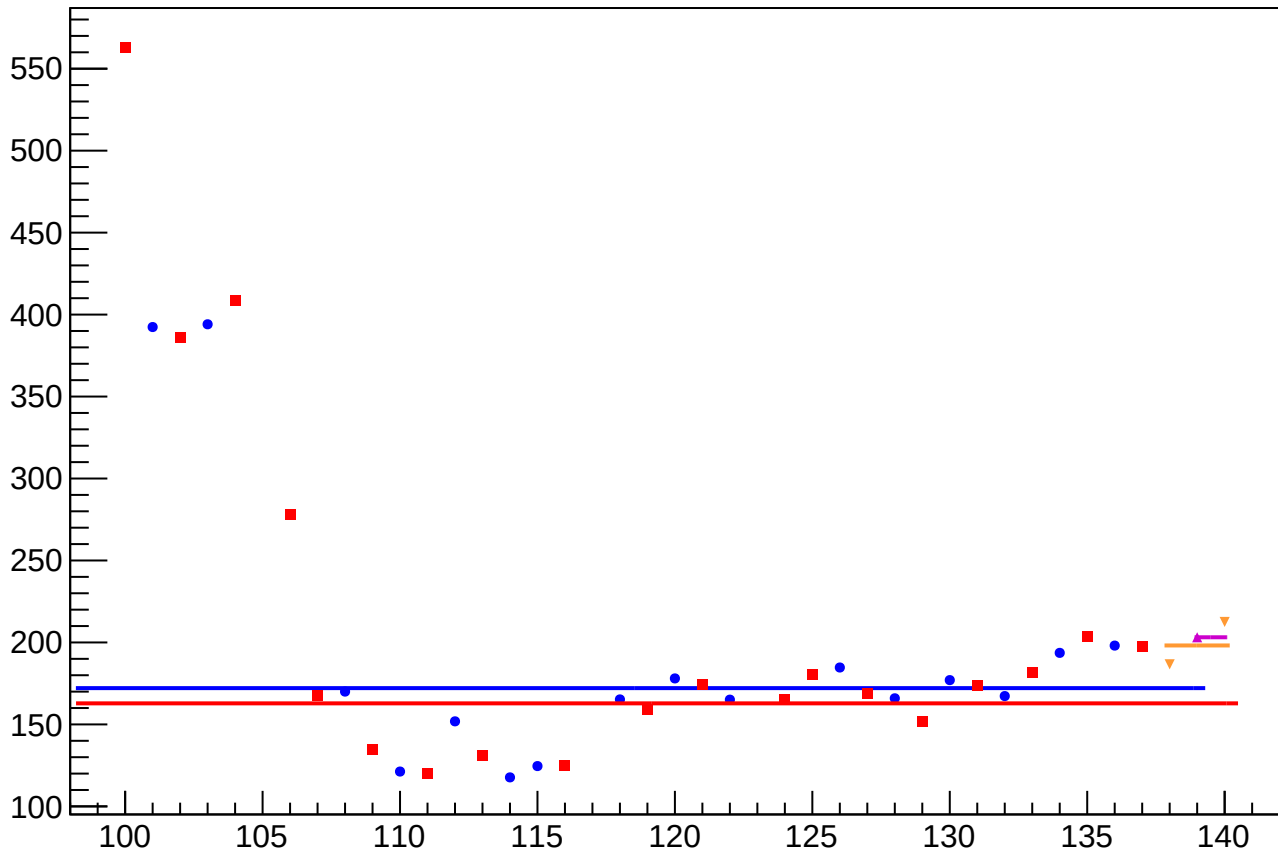
- sign 162.145 ± 0.042 $\chi^2/\text{NDF}: 1327020.2/19$

yield_bpm0l09WS_mean vs Slug



Right In: 141681.846 $\pm$ 0.068 χ^2 /NDF: 64292997.9/15
 Left Out: 143621.056 $\pm$ 0.159 χ^2 /NDF: 117307303.4/1
 Right Out: 141704.185 $\pm$ 0.064 χ^2 /NDF: 65526811.0/18
 Left In: 144132.176 $\pm$ 0.222 χ^2 /NDF: 0.0/0
 + sign 141983.025 $\pm$ 0.063 χ^2 /NDF: 306912149.5/1
 All: 141934.895 $\pm$ 0.044 χ^2 /NDF: 483809290
 - sign 141888.927 $\pm$ 0.061 χ^2 /NDF: 175746751.1/1

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF : 1068587.8/15

Left Out: 198.162+/-0.113 χ^2/NDF :13009.1/1

Right Out: 162.845+/-0.045 χ^2/NDF : 1305855.8/18

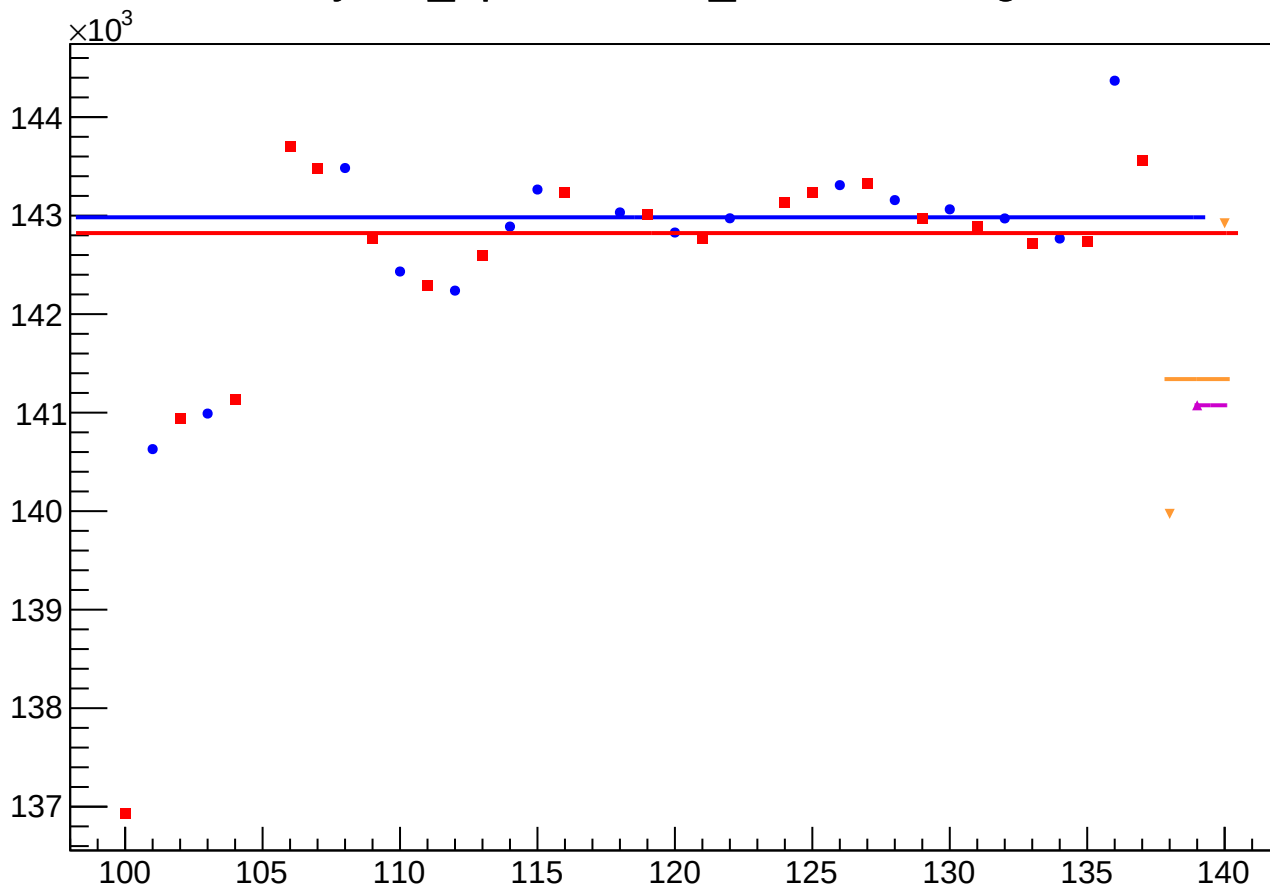
Left In: 203.152+/-0.157 χ^2/NDF :0.0/0

+ sign 176.180+/-0.044 χ^2/NDF : 1126728.3/17

All: 170.928+/-0.031 χ^2/NDF : 2520738.2/37

- sign 165.912+/-0.043 χ^2/NDF : 1366609.2/19

yield_bpm0l10WS_mean vs Slug



Right In: 142983.006 $\pm$ 0.069 χ^2 /NDF: 107696217.2/15

Left Out: 141340.565 $\pm$ 0.145 χ^2 /NDF: 103219658.6/1

Right Out: 142822.727 $\pm$ 0.064 χ^2 /NDF: 63581232.6/18

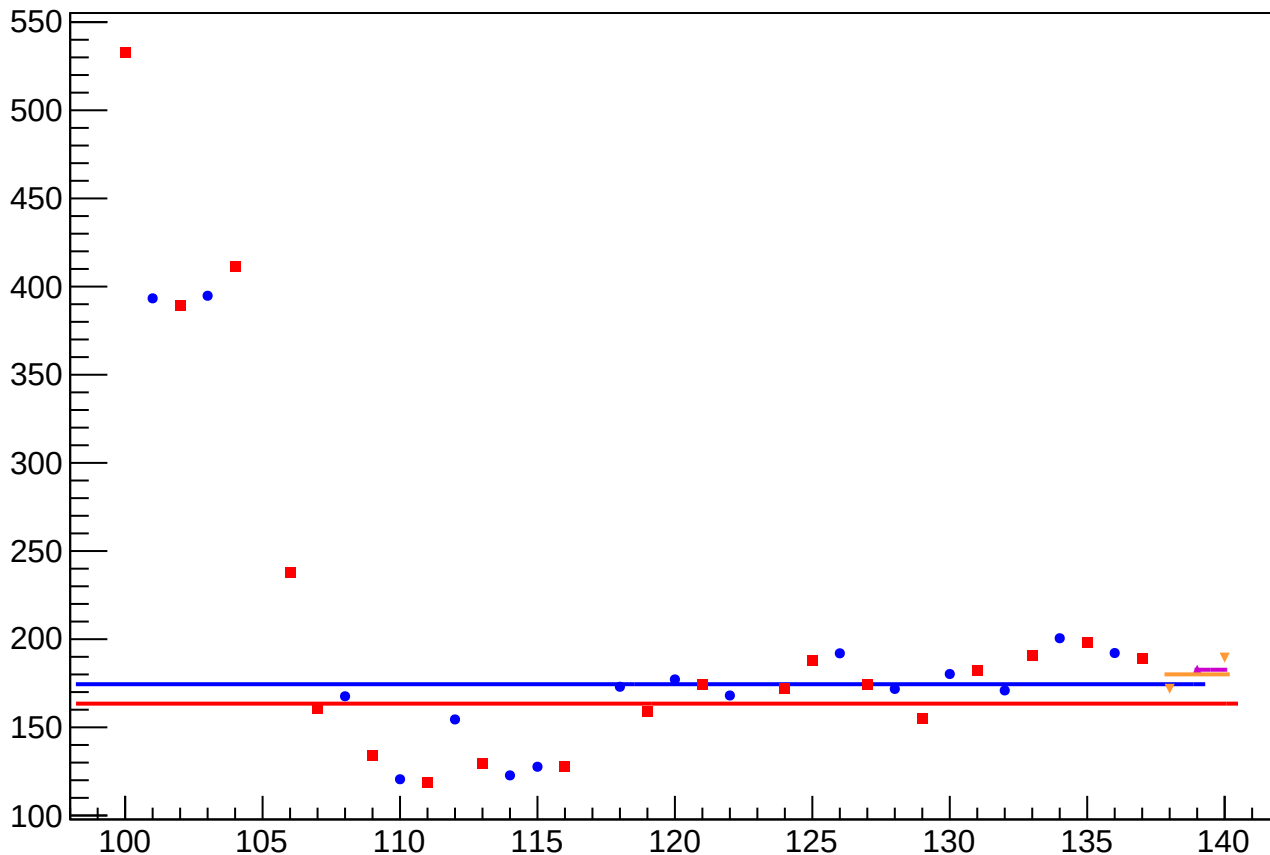
Left In: 141074.797 $\pm$ 0.200 χ^2 /NDF: 0.0/0

+ sign 142678.205 $\pm$ 0.062 χ^2 /NDF: 315729720.7/1

All: 142668.850 $\pm$ 0.044 χ^2 /NDF: 448766738

- sign 142659.908 $\pm$ 0.061 χ^2 /NDF: 132993014.3/1

yield_bpm0l10WS_rms vs Slug



Right In: 174.467 $\pm$ 0.049 χ^2 /NDF: 1049126.7/15

Left Out: 180.046 $\pm$ 0.102 χ^2 /NDF: 7414.6/1

Right Out: 163.448 $\pm$ 0.045 χ^2 /NDF: 1282494.1/18

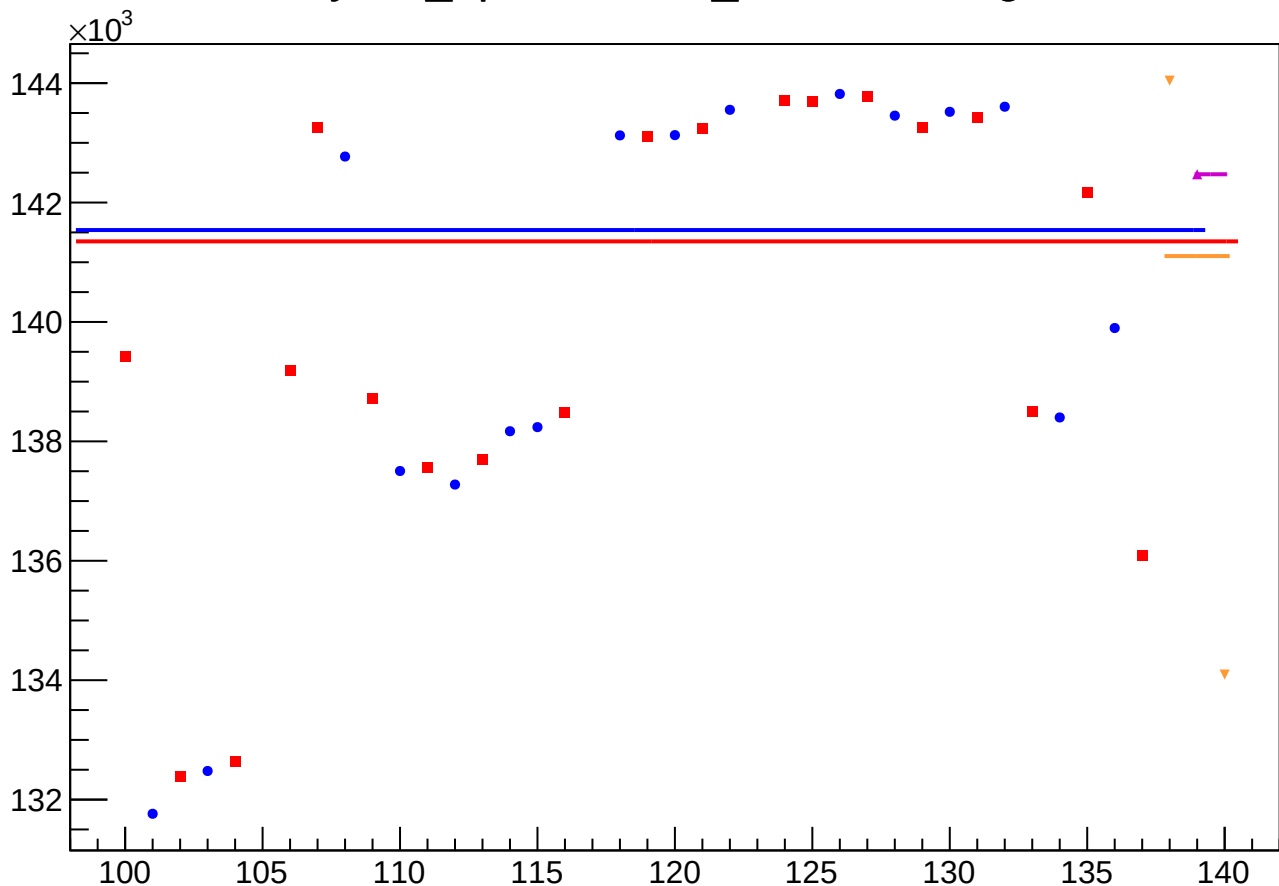
Left In: 182.672 $\pm$ 0.141 χ^2 /NDF: 0.0/0

+ sign 175.502 $\pm$ 0.044 χ^2 /NDF: 1058959.7/17

All: 170.255 $\pm$ 0.031 χ^2 /NDF: 2385935.6/37

- sign 165.239 $\pm$ 0.043 χ^2 /NDF: 1299285.2/19

yield_bpm0r03WS_mean vs Slug



Right In: 141539.467 $\pm$ 0.101 χ^2 /NDF: 947743743.7/15

Left Out: 141103.529 $\pm$ 0.203 χ^2 /NDF: 498920057.9/1

Right Out: 141349.499 $\pm$ 0.101 χ^2 /NDF: 926661757.9/18

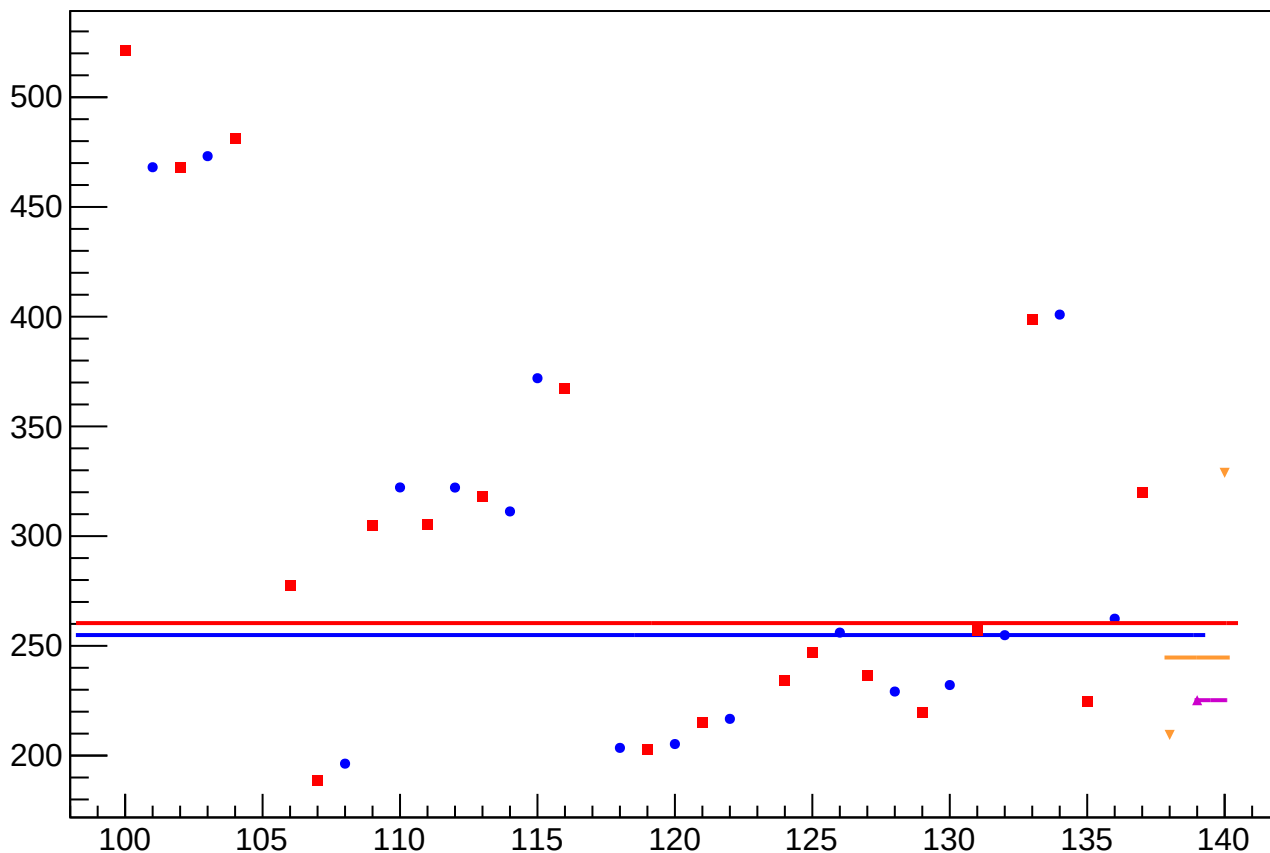
Left In: 142473.496 $\pm$ 0.250 χ^2 /NDF: 0.0/0

+ sign 141453.326 $\pm$ 0.090 χ^2 /NDF: 1450358866.2/1

All: 141479.167 $\pm$ 0.065 χ^2 /NDF: 239452543.7/1

- sign 141506.994 $\pm$ 0.094 χ^2 /NDF: 943996500.9/1

yield_bpm0r03WS_rms vs Slug



Right In: 254.919 $\pm$ 0.071 χ^2 /NDF: 949952.1/15

Left Out: 244.684 $\pm$ 0.144 χ^2 /NDF:143856.4/1

Right Out: 260.369 $\pm$ 0.071 χ^2 /NDF: 993300.6/18

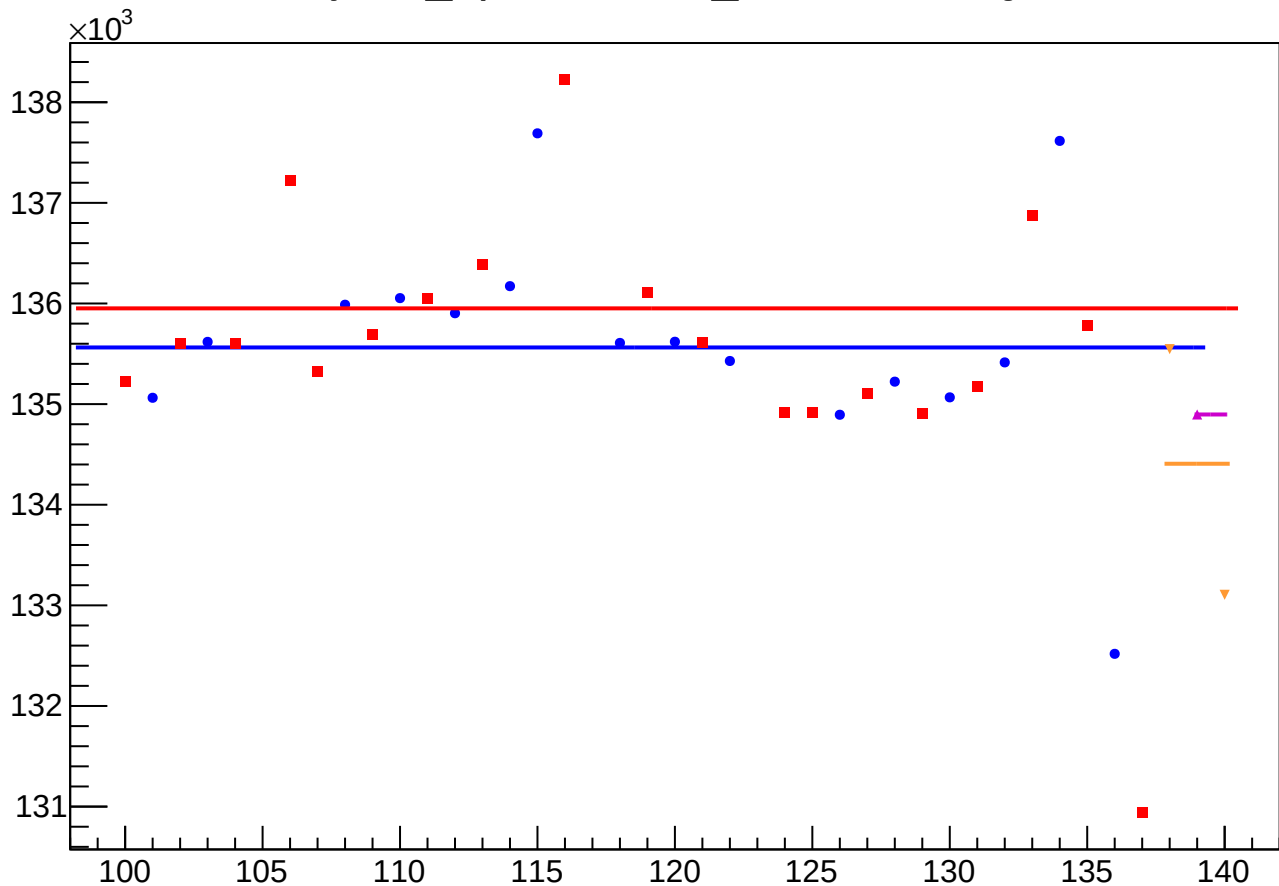
Left In: 225.242 $\pm$ 0.177 χ^2 /NDF:0.0/0

+ sign 252.897 $\pm$ 0.064 χ^2 /NDF: 1097882.6/17

All: 254.124 $\pm$ 0.046 χ^2 /NDF: 2125810.7/37

- sign 255.447 $\pm$ 0.066 χ^2 /NDF: 1027160.2/19

yield_bpm0r05WS_mean vs Slug



Right In: 135563.062 $\pm$ 0.118 χ^2 /NDF: 94169293.7/15

Left Out: 134407.265 $\pm$ 0.154 χ^2 /NDF: 62177790.6/1

Right Out: 135951.486 $\pm$ 0.106 χ^2 /NDF: 91577209.6/18

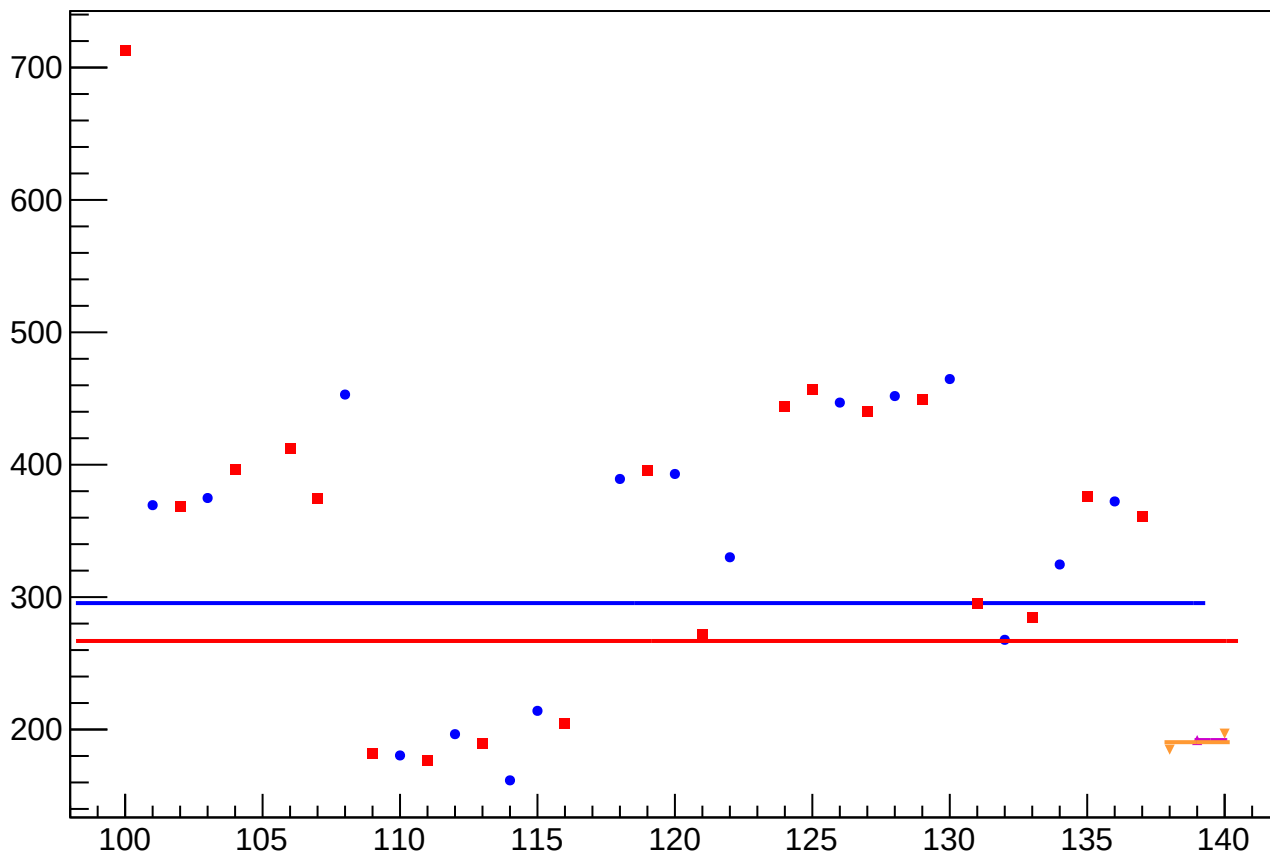
Left In: 134896.942 $\pm$ 0.210 χ^2 /NDF: 0.0/0

+ sign 135135.504 $\pm$ 0.094 χ^2 /NDF: 191625700.3/1

All: 135432.758 $\pm$ 0.067 χ^2 /NDF: 323529492

- sign 135735.797 $\pm$ 0.095 χ^2 /NDF: 111686001.9/1

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF : 1442531.9/15

Left Out: 190.425+/-0.109 χ^2/NDF :3054.2/1

Right Out: 266.864+/-0.075 χ^2/NDF : 1678073.6/18

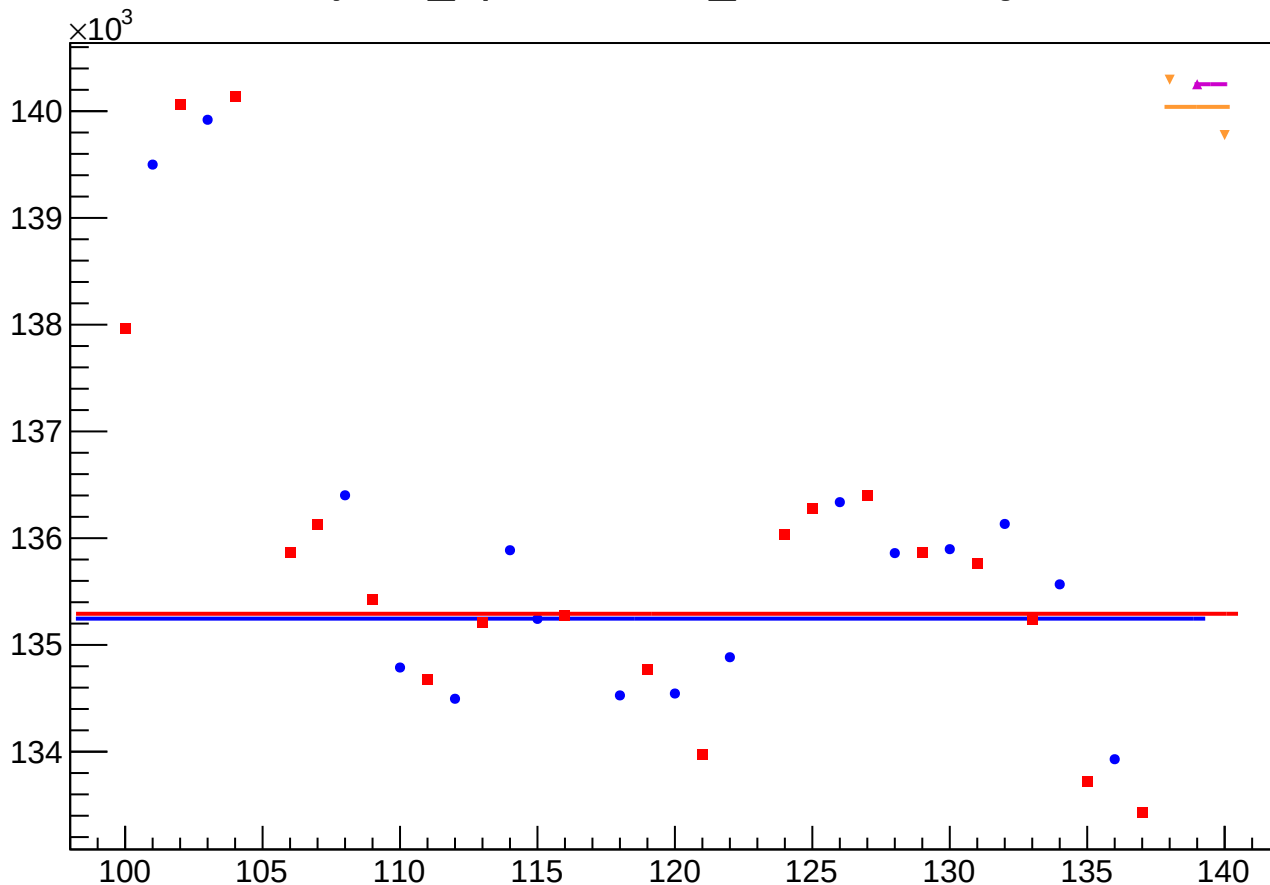
Left In: 192.031+/-0.148 χ^2/NDF :0.0/0

+ sign 256.618+/-0.066 χ^2/NDF : 2028526.0/17

All: 254.113+/-0.047 χ^2/NDF : 3911992.5/37

- sign 251.558+/-0.067 χ^2/NDF : 1880593.3/19

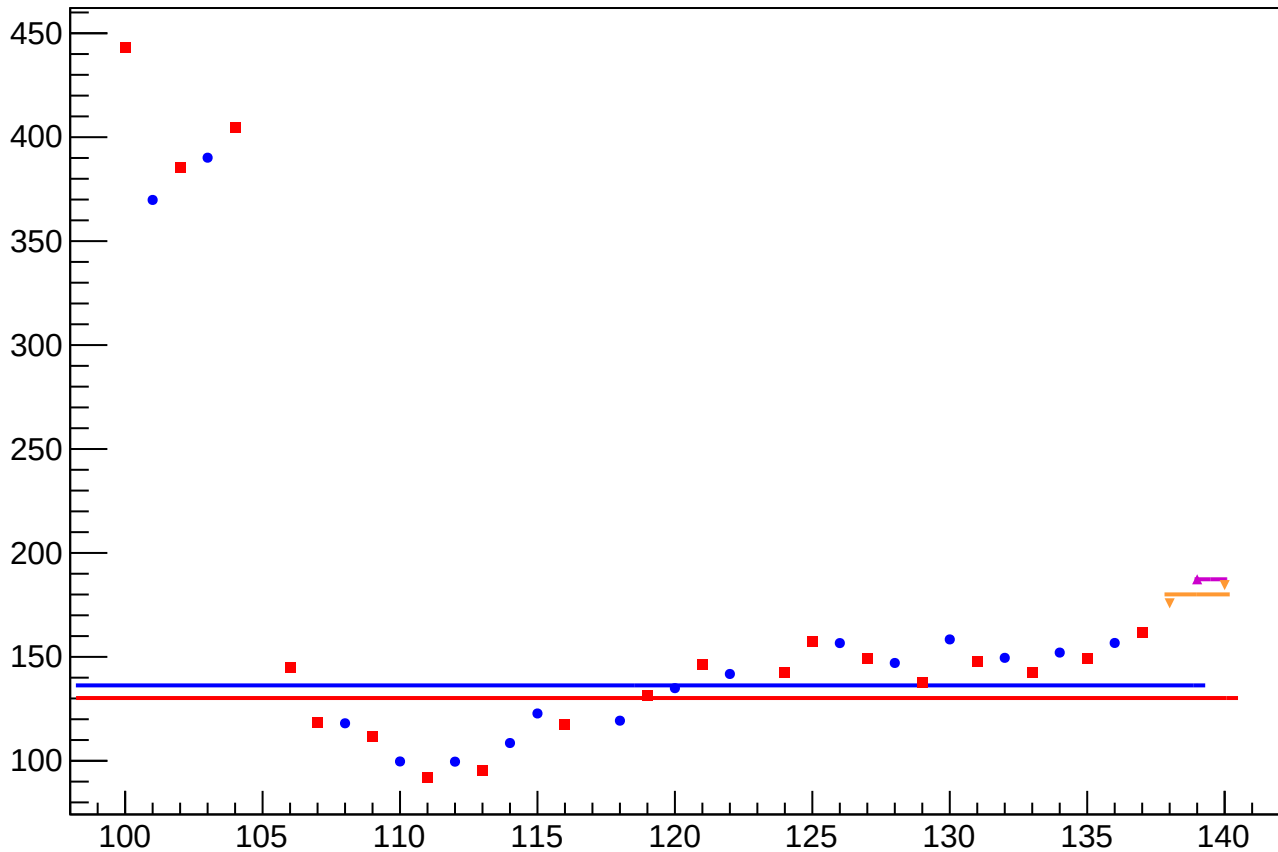
yield_bpm0i02WS_mean vs Slug



Right In: 135246.269 $\pm$ 0.055 χ^2 /NDF: 388384719.1/15
 Left Out: 140040.327 $\pm$ 0.144 χ^2 /NDF: 3255432.4/1
 Right Out: 135291.851 $\pm$ 0.052 χ^2 /NDF: 381790556.0/18
 Left In: 140252.476 $\pm$ 0.205 χ^2 /NDF: 0.0/0

+ sign 135853.148 $\pm$ 0.051 χ^2 /NDF: 1363232813.6/1
 All: 135719.100 $\pm$ 0.036 χ^2 /NDF: 23109474.1
 - sign 135590.094 $\pm$ 0.050 χ^2 /NDF: 934232330.6/1

yield_bpm0i02WS_rms vs Slug



Right In: 136.285 $\pm$ 0.039 χ^2 /NDF: 1384057.4/15

Left Out: 180.060 $\pm$ 0.102 χ^2 /NDF:1862.9/1

+ sign 141.826 $\pm$ 0.036 χ^2 /NDF: 1547938.4/17

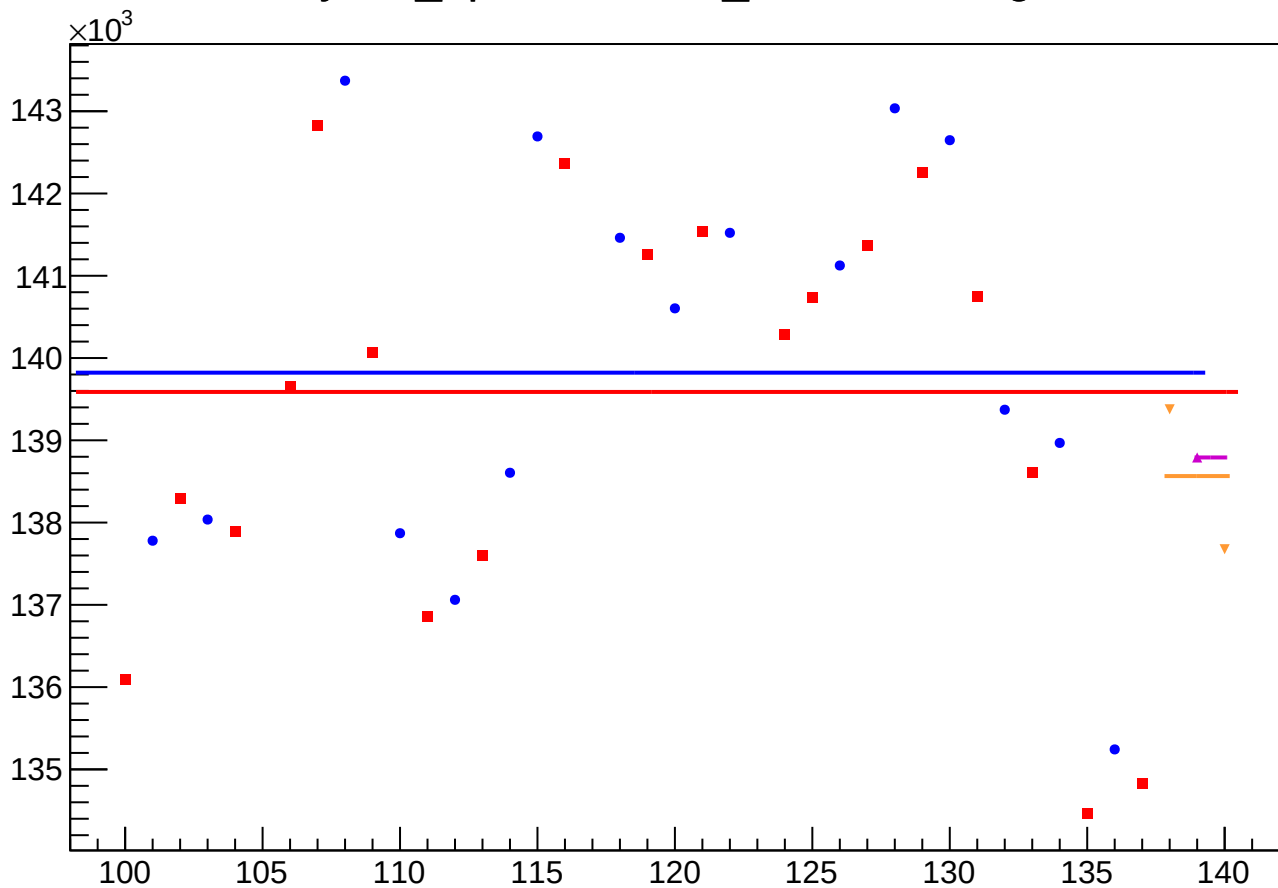
Right Out: 130.206 $\pm$ 0.037 χ^2 /NDF: 1520840.8/18

All: 137.655 $\pm$ 0.025 χ^2 /NDF: 3241409.4/37

- sign 133.640 $\pm$ 0.035 χ^2 /NDF: 1667356.9/19

Left In: 187.330 $\pm$ 0.145 χ^2 /NDF:0.0/0

yield_bpm0i02aWS_mean vs Slug



Right In: 139822.122 $\pm$ 0.063 χ^2/NDF : 1663381581.4/15

Left Out: 138565.238 $\pm$ 0.142 χ^2/NDF : 35613259.5/1

Right Out: 139587.876 $\pm$ 0.060 χ^2/NDF : 1482934186.2/18

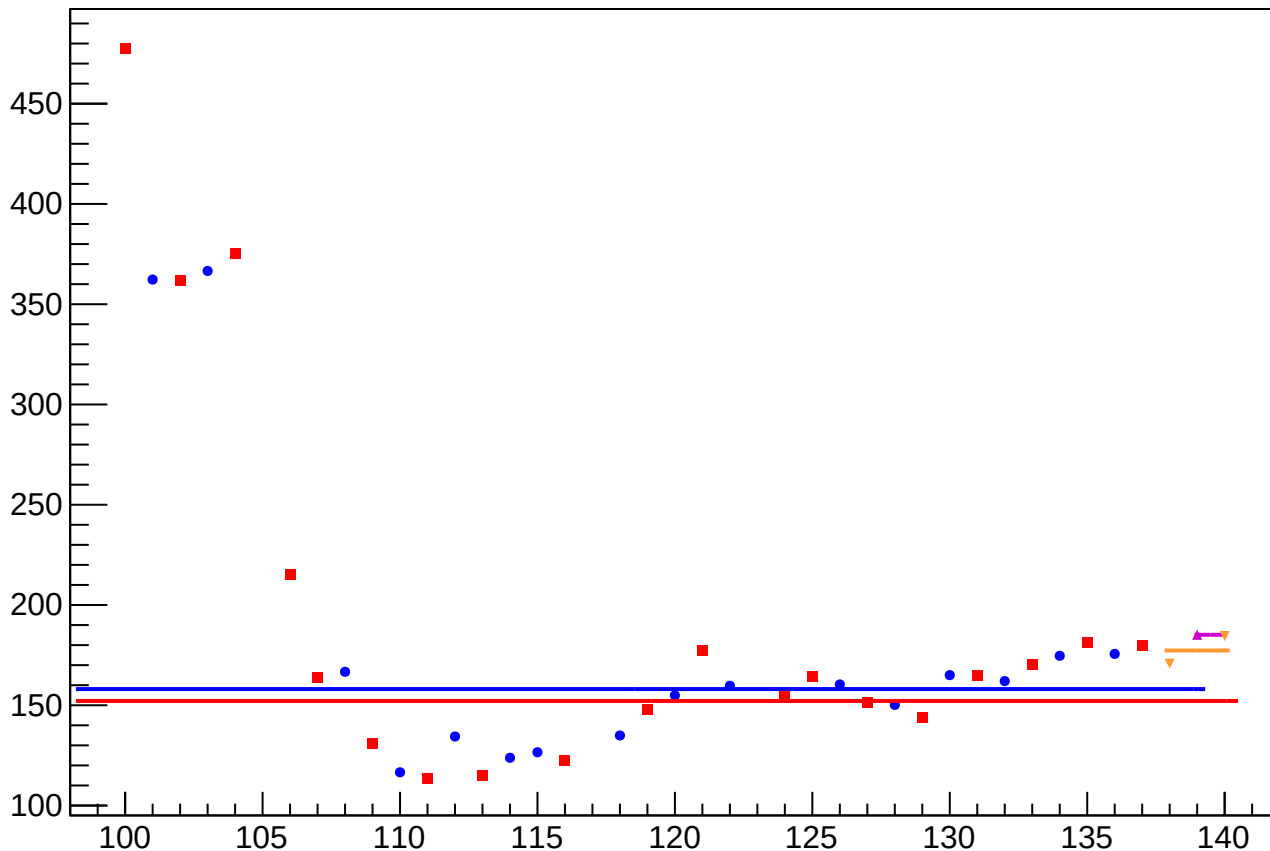
Left In: 138791.467 $\pm$ 0.202 χ^2/NDF : 0.0/0

+ sign 139618.509 $\pm$ 0.057 χ^2/NDF : 1764317851.4

All: 139571.287 $\pm$ 0.041 χ^2/NDF : 326285144

- sign 139524.087 $\pm$ 0.057 χ^2/NDF : 1497175457.3

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF : 1017928.9/15

Left Out: 177.319+/-0.101 χ^2/NDF : 4666.6/1

Right Out: 152.139+/-0.042 χ^2/NDF : 1229053.9/18

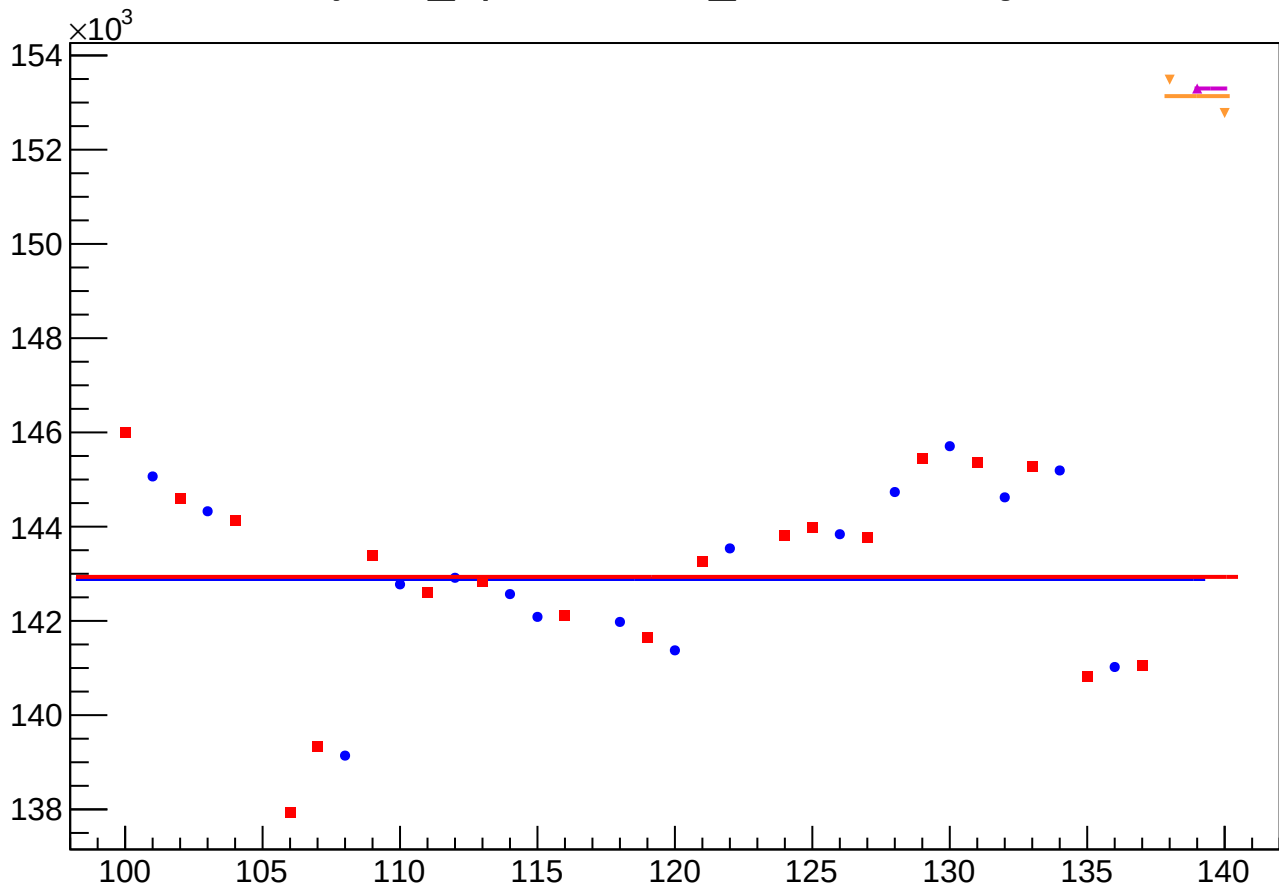
Left In: 185.154+/-0.143 χ^2/NDF : 0.0/0

+ sign 161.196+/-0.041 χ^2/NDF : 1053208.6/17

All: 157.989+/-0.029 χ^2/NDF : 2343738.6/37

- sign 154.783+/-0.041 χ^2/NDF : 1278000.9/19

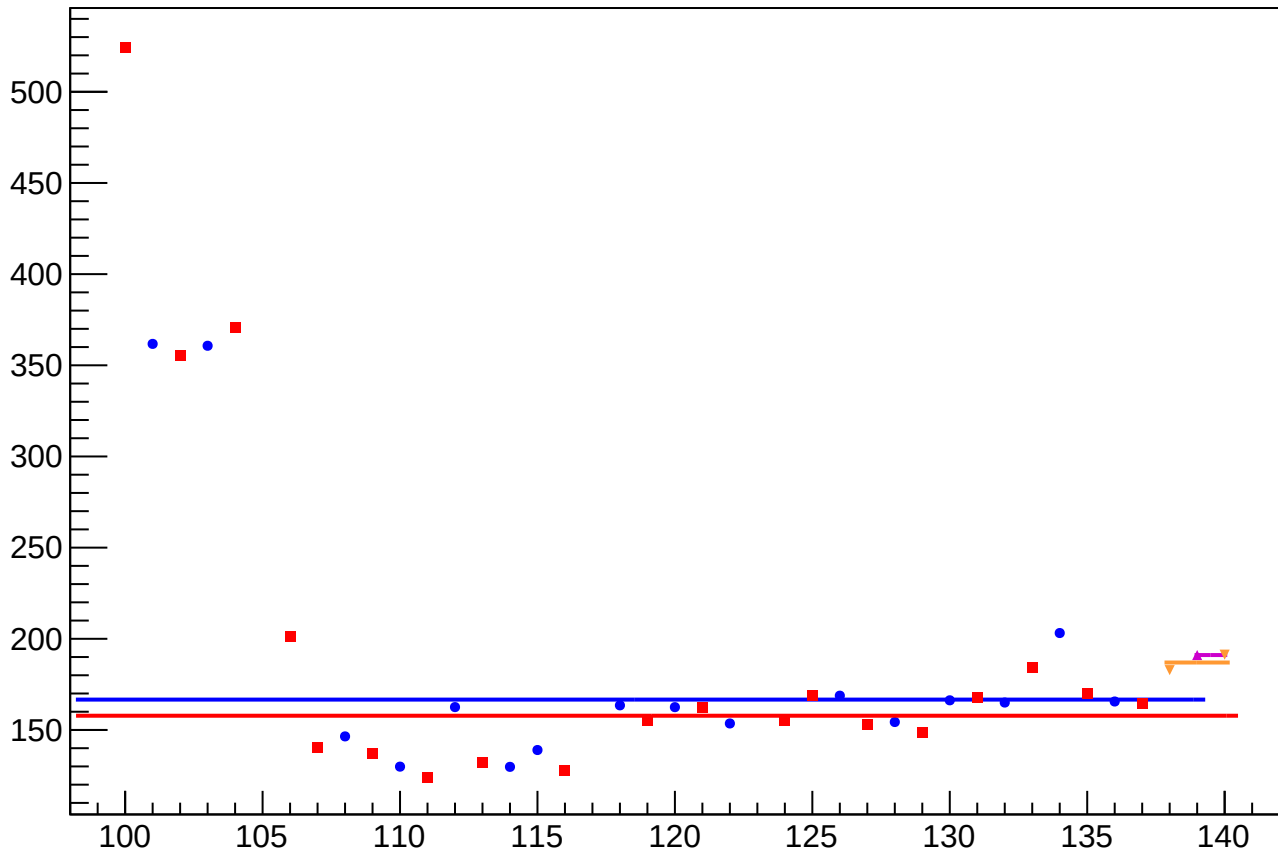
yield_bpm0i05WS_mean vs Slug



Right In: 142889.386 ± 0.066 $\chi^2/\text{NDF}: 763303771.6/15$
 Left Out: 153136.882 ± 0.151 $\chi^2/\text{NDF}: 5518846.0/1$
 Right Out: 142933.890 ± 0.062 $\chi^2/\text{NDF}: 787386856.4/18$
 Left In: 153298.731 ± 0.209 $\chi^2/\text{NDF}: 0.0/0$

+ sign 144527.839 ± 0.060 $\chi^2/\text{NDF}: 4660371100.2$
 All: 144135.257 ± 0.042 $\chi^2/\text{NDF}: 778607208$
 - sign 143757.714 ± 0.059 $\chi^2/\text{NDF}: 3042289535.0$

yield_bpm0i05WS_rms vs Slug



Right In: 166.656 $\pm$ 0.046 χ^2 /NDF: 863574.7/15

Left Out: 186.995 $\pm$ 0.106 χ^2 /NDF:1590.6/1

Right Out: 157.809 $\pm$ 0.044 χ^2 /NDF: 1022332.1/18

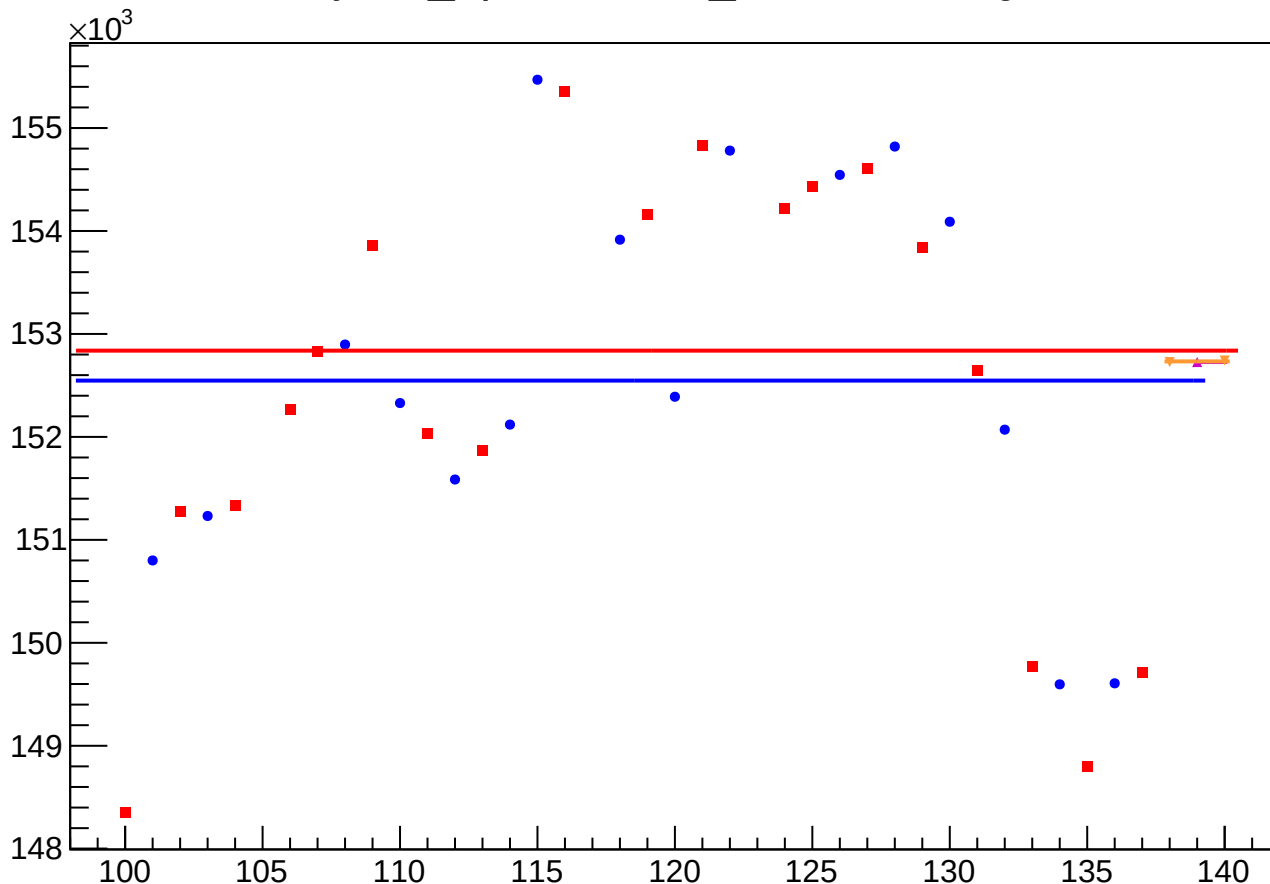
Left In: 191.092 $\pm$ 0.148 χ^2 /NDF:0.0/0

+ sign 169.908 $\pm$ 0.043 χ^2 /NDF: 895825.6/17

All: 165.089 $\pm$ 0.030 χ^2 /NDF: 1989800.6/37

- sign 160.454 $\pm$ 0.042 χ^2 /NDF: 1068835.2/19

yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073 χ^2/NDF : 654540559.6/15

Left Out: 152733.369 $\pm$ 0.146 χ^2/NDF : 2592.6/1

Right Out: 152837.888 $\pm$ 0.067 χ^2/NDF : 736907066.8/18

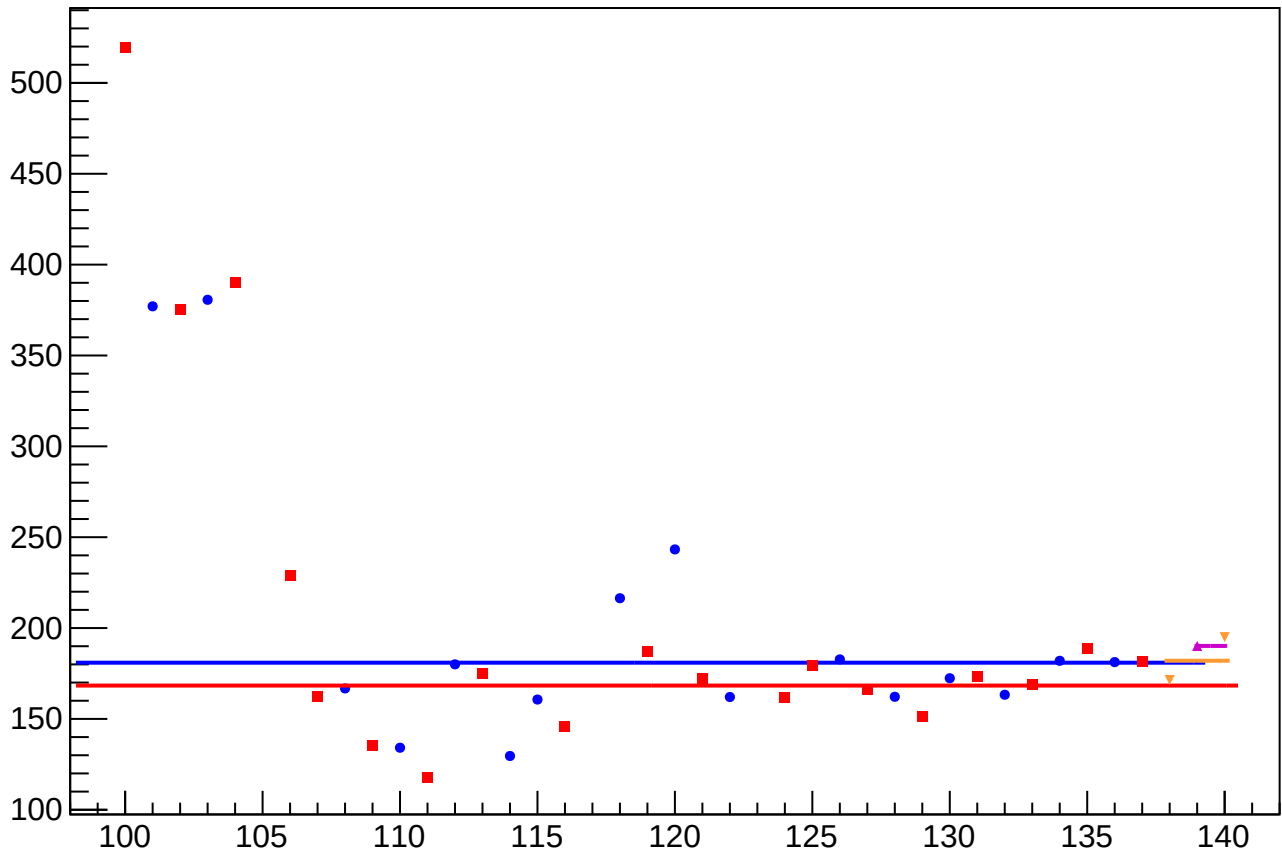
Left In: 152727.250 $\pm$ 0.208 χ^2/NDF : 0.0/0

+ sign 152583.749 $\pm$ 0.065 χ^2/NDF : 655846280.5/1

All: 152708.636 $\pm$ 0.045 χ^2/NDF : 140020732

- sign 152827.596 $\pm$ 0.063 χ^2/NDF : 737163341.0/1

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 $\pm$ 0.051 χ^2 /NDF: 907758.2/15

Left Out: 182.018 $\pm$ 0.103 χ^2 /NDF:12872.4/1

Right Out: 168.349 $\pm$ 0.047 χ^2 /NDF: 1089090.2/18

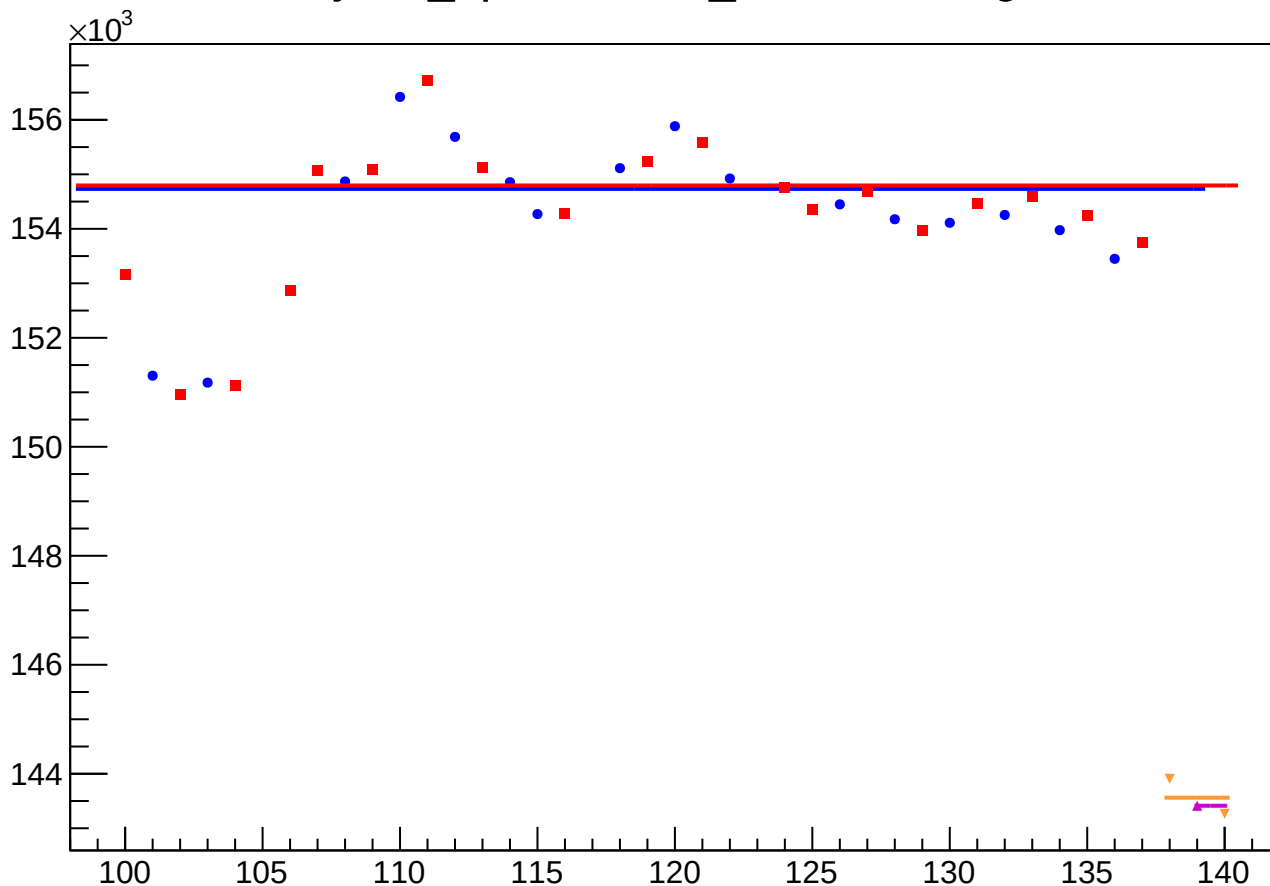
Left In: 190.165 $\pm$ 0.147 χ^2 /NDF:0.0/0

+ sign 181.152 $\pm$ 0.046 χ^2 /NDF: 920717.9/17

All: 175.634 $\pm$ 0.032 χ^2 /NDF: 2057833.4/37

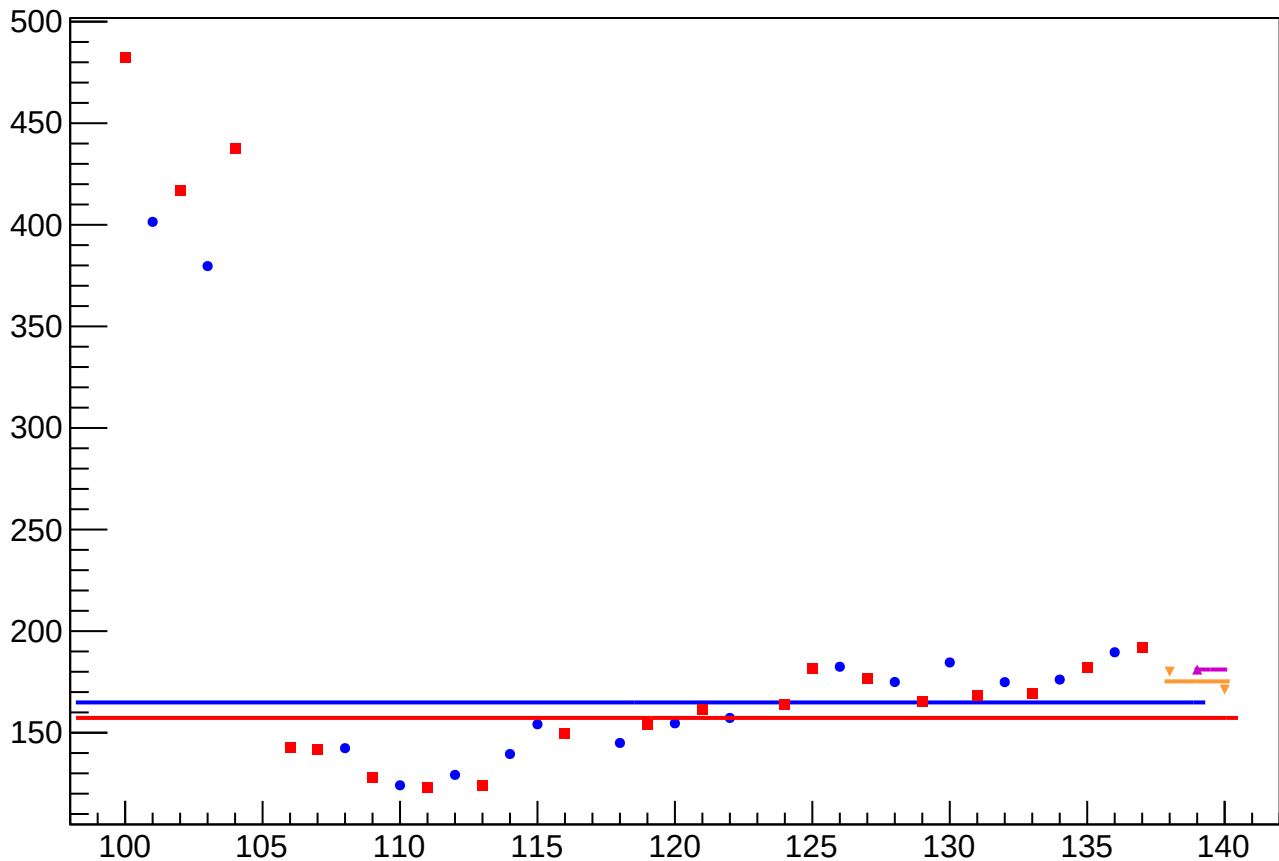
- sign 170.379 $\pm$ 0.045 χ^2 /NDF: 1109017.9/19

yield_bpm1i02WS_mean vs Slug



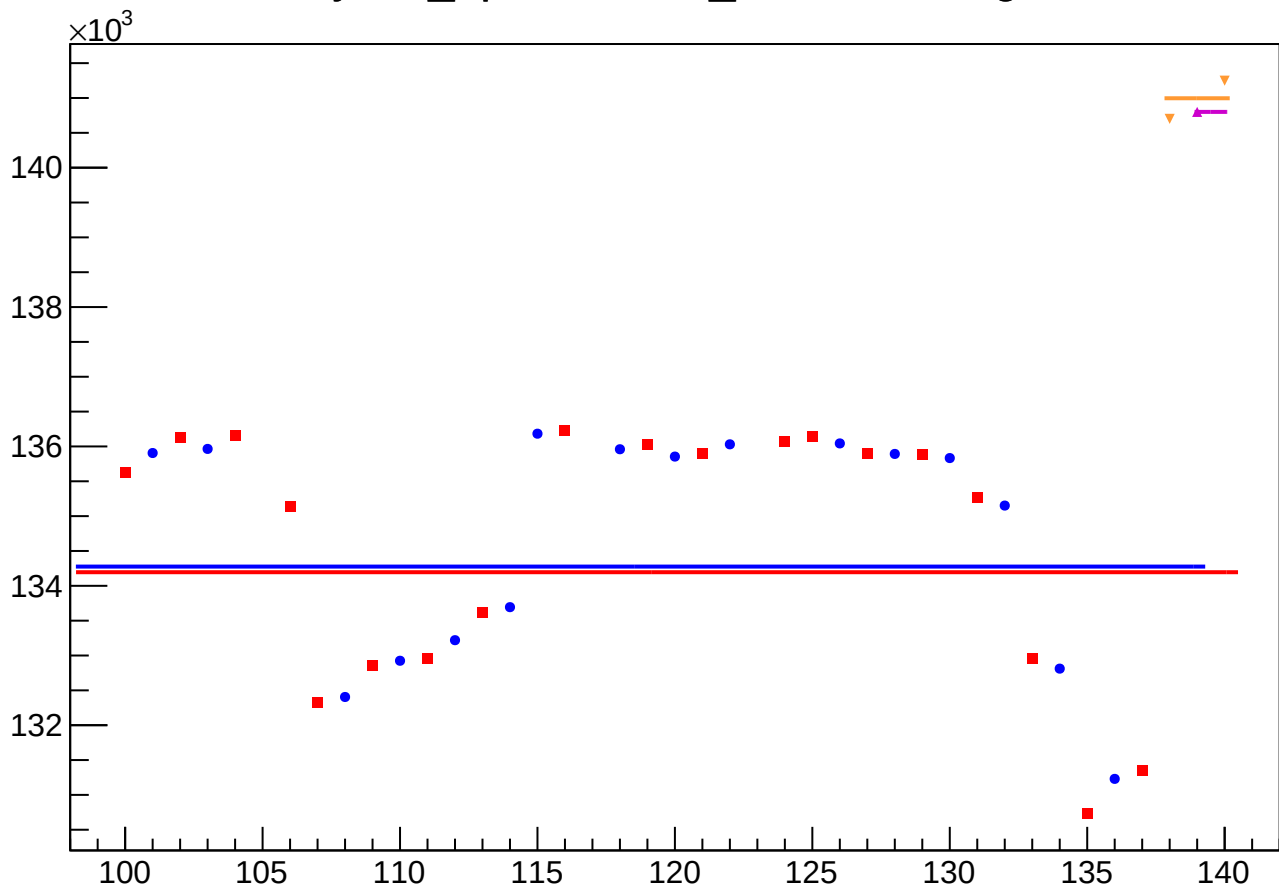
Right In: 154733.155 ± 0.065 $\chi^2/\text{NDF}: 274462319.1/15$ $+ \text{sign } 152735.080 \pm 0.059$ $\chi^2/\text{NDF}: 5531590014.6$
 Left Out: 143561.032 ± 0.140 $\chi^2/\text{NDF}: 5229815.1/1$ All: 153277.394 ± 0.042 $\chi^2/\text{NDF}: 90225565$
 Right Out: 154795.893 ± 0.061 $\chi^2/\text{NDF}: 304125082.4/18$ - sign 153806.429 ± 0.058 $\chi^2/\text{NDF}: 3324500727.3/$
 Left In: 143413.196 ± 0.198 $\chi^2/\text{NDF}: 0.0/0$

yield_bpm1i02WS_rms vs Slug



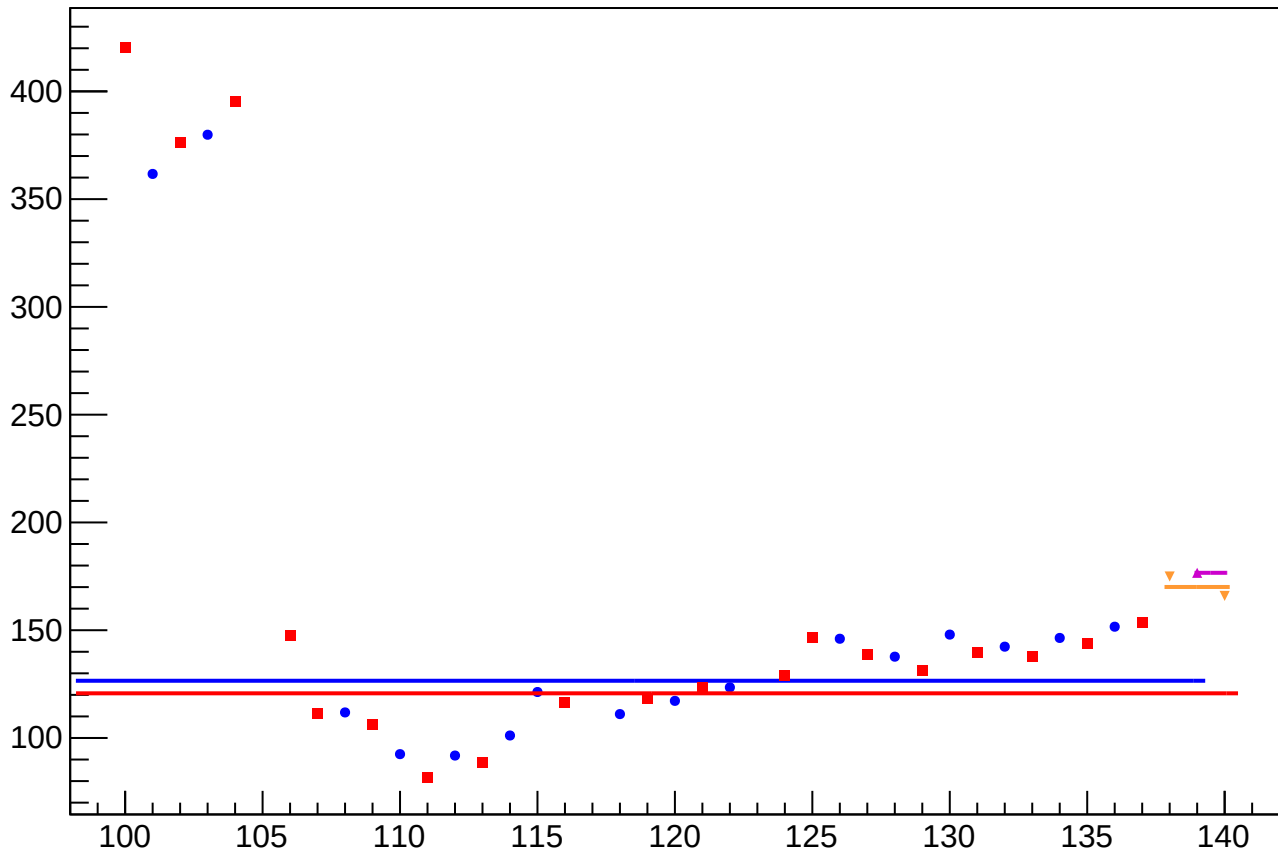
Right In: 164.906 $\pm$ 0.046	χ^2 /NDF: 1072730.7/15	+ sign 166.763 $\pm$ 0.042	χ^2 /NDF: 1083779.7/17
Left Out: 175.286 $\pm$ 0.099	χ^2 /NDF: 1982.7/1	All: 163.013 $\pm$ 0.029	χ^2 /NDF: 2380998.5/37
Right Out: 157.283 $\pm$ 0.043	χ^2 /NDF: 1254831.2/18	- sign 159.354 $\pm$ 0.041	χ^2 /NDF: 1281297.8/19
Left In: 181.109 $\pm$ 0.140	χ^2 /NDF: 0.0/0		

yield_bpm1i04WS_mean vs Slug



Right In: 134276.096 $\pm$ 0.051 χ^2 /NDF: 1142867100.2/15
 Left Out: 140996.133 $\pm$ 0.136 χ^2 /NDF: 4051448.3/1
 Right Out: 134195.257 $\pm$ 0.048 χ^2 /NDF: 1205537499.7/18
 Left In: 140800.418 $\pm$ 0.193 χ^2 /NDF: 0.0/0
 All: 134835.622 $\pm$ 0.033 χ^2 /NDF: 566893978
 + sign 135103.348 $\pm$ 0.048 χ^2 /NDF: 3298954667.6
 - sign 134579.425 $\pm$ 0.047 χ^2 /NDF: 2308062437.9

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF : 1477429.4/15

Left Out: 170.061+/-0.096 χ^2/NDF :2193.5/1

Right Out: 120.723+/-0.034 χ^2/NDF : 1632726.2/18

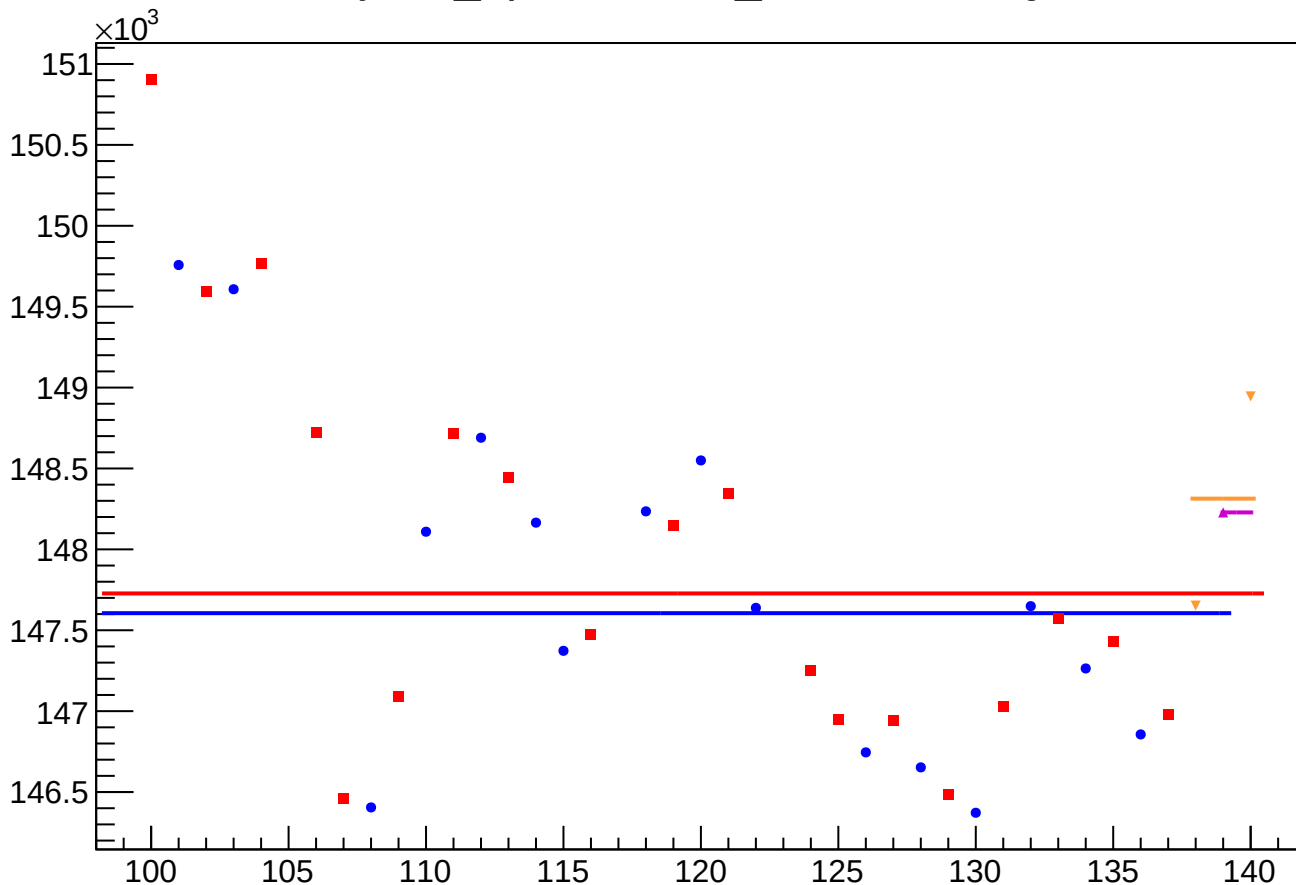
Left In: 176.634+/-0.137 χ^2/NDF :0.0/0

+ sign 131.907+/-0.034 χ^2/NDF : 1660058.5/17

All: 127.854+/-0.024 χ^2/NDF : 3479166.8/37

- sign 123.975+/-0.033 χ^2/NDF : 1790720.8/19

yield_bpm1i06WS_mean vs Slug



Right In: 147605.604 $\pm$ 0.062 χ^2 /NDF: 200513366.5/15

Left Out: 148313.571 $\pm$ 0.163 χ^2 /NDF: 15753877.1/1

Right Out: 147727.598 $\pm$ 0.059 χ^2 /NDF: 194800119.4/18

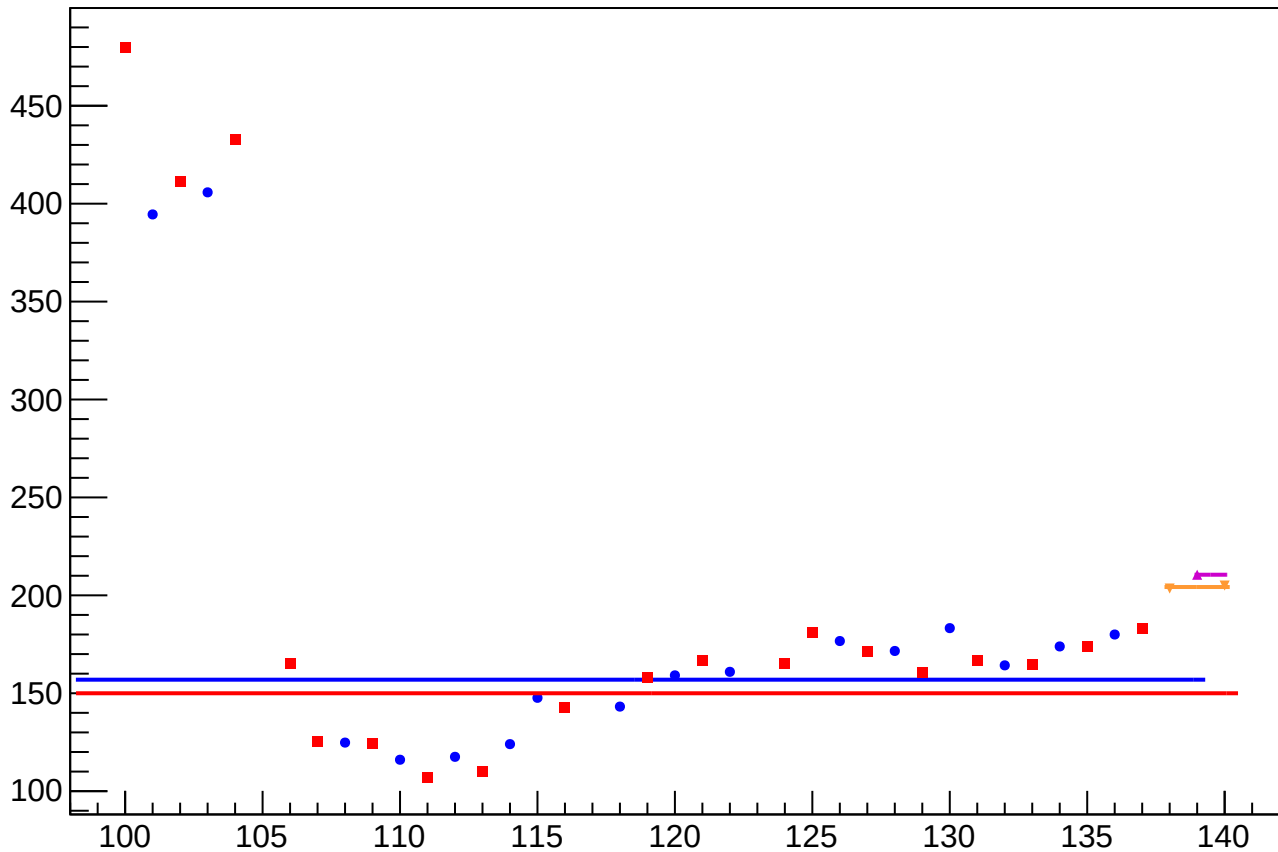
Left In: 148228.273 $\pm$ 0.230 χ^2 /NDF: 0.0/0

+ sign 147696.440 $\pm$ 0.058 χ^2 /NDF: 232744001.9/1

All: 147728.108 $\pm$ 0.041 χ^2 /NDF: 432568063

- sign 147758.444 $\pm$ 0.057 χ^2 /NDF: 199246918.7/1

yield_bpm1i06WS_rms vs Slug



Right In: 156.927 $\pm$ 0.044 χ^2 /NDF: 1265768.6/15

Left Out: 204.248 $\pm$ 0.115 χ^2 /NDF:43.4/1

Right Out: 149.994 $\pm$ 0.042 χ^2 /NDF: 1453928.8/18

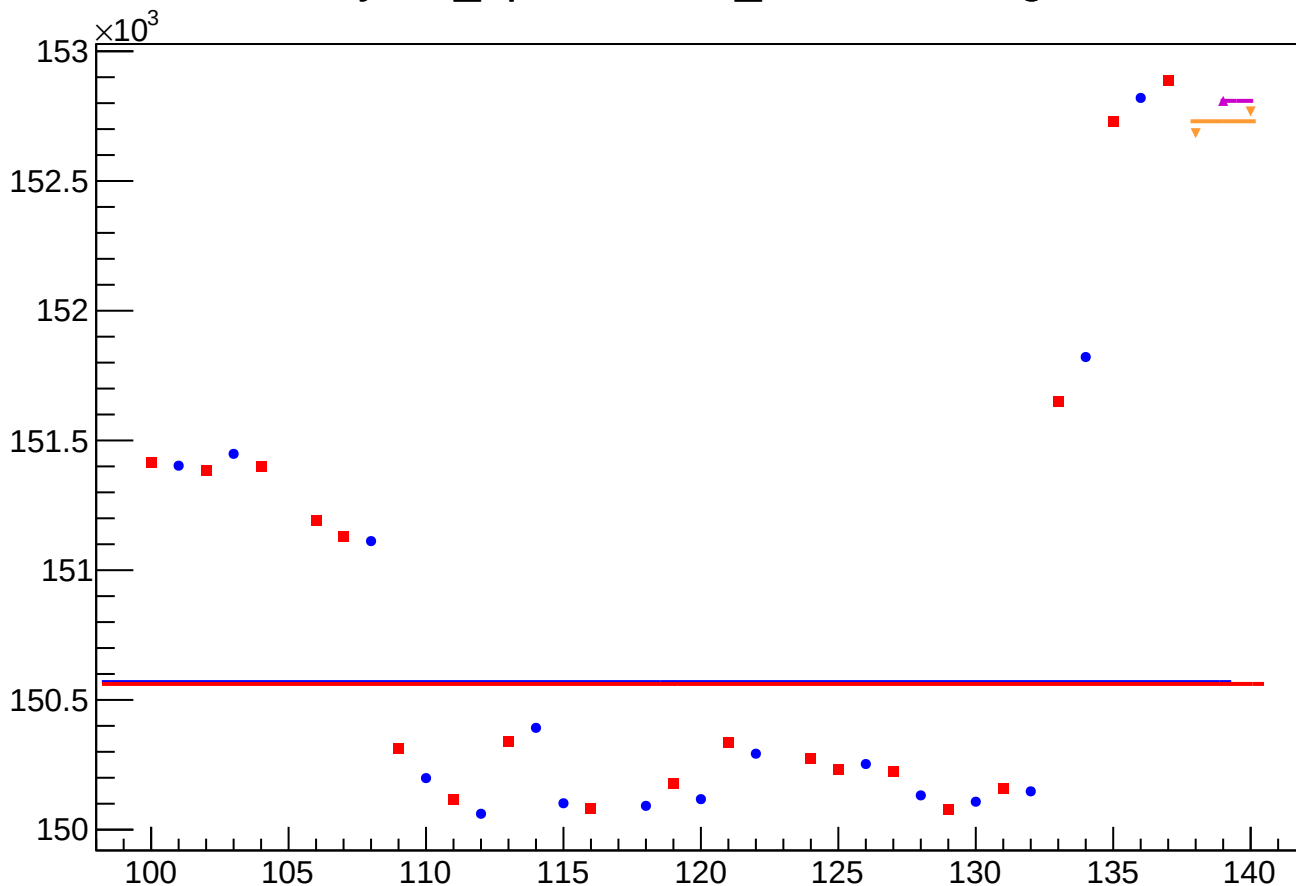
Left In: 210.525 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 162.999 $\pm$ 0.041 χ^2 /NDF: 1413036.7/17

All: 158.261 $\pm$ 0.029 χ^2 /NDF: 3022788.4/37

- sign 153.723 $\pm$ 0.040 χ^2 /NDF: 1583921.2/19

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 $\pm$ 0.055 χ^2 /NDF: 237155171.8/15

Left Out: 152730.173 $\pm$ 0.138 χ^2 /NDF: 91124.1/1

Right Out: 150561.647 $\pm$ 0.051 χ^2 /NDF: 197500782.5/18

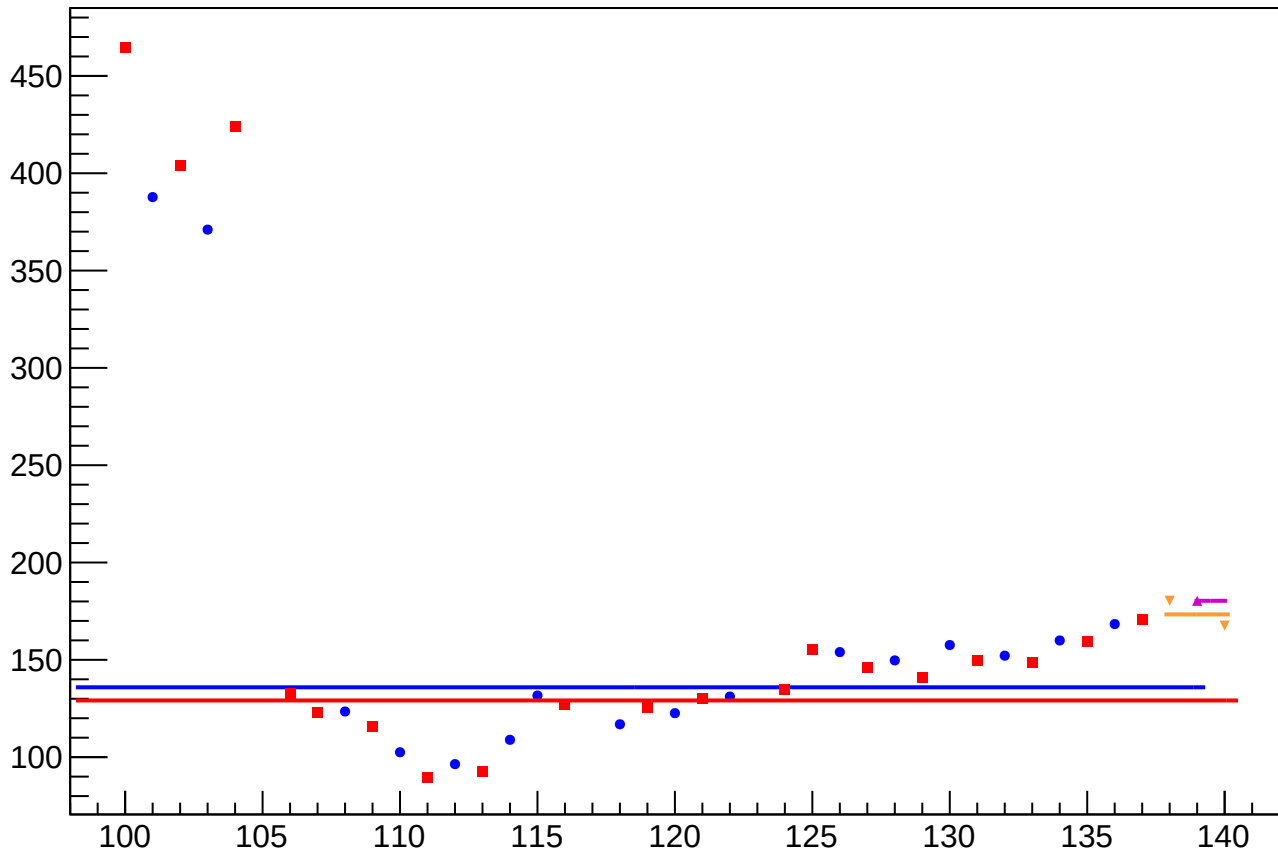
Left In: 152808.830 $\pm$ 0.197 χ^2 /NDF: 0.0/0

+ sign 150860.374 $\pm$ 0.051 χ^2 /NDF: 448692159.0/1

All: 150779.281 $\pm$ 0.035 χ^2 /NDF: 773107692

- sign 150702.708 $\pm$ 0.049 χ^2 /NDF: 319459439.2/1

yield_bpm2i01WS_rms vs Slug



Right In: 135.896 $\pm$ 0.039 χ^2 /NDF: 1416332.3/15

Left Out: 173.338 $\pm$ 0.098 χ^2 /NDF:4237.2/1

Right Out: 129.130 $\pm$ 0.036 χ^2 /NDF: 1614311.0/18

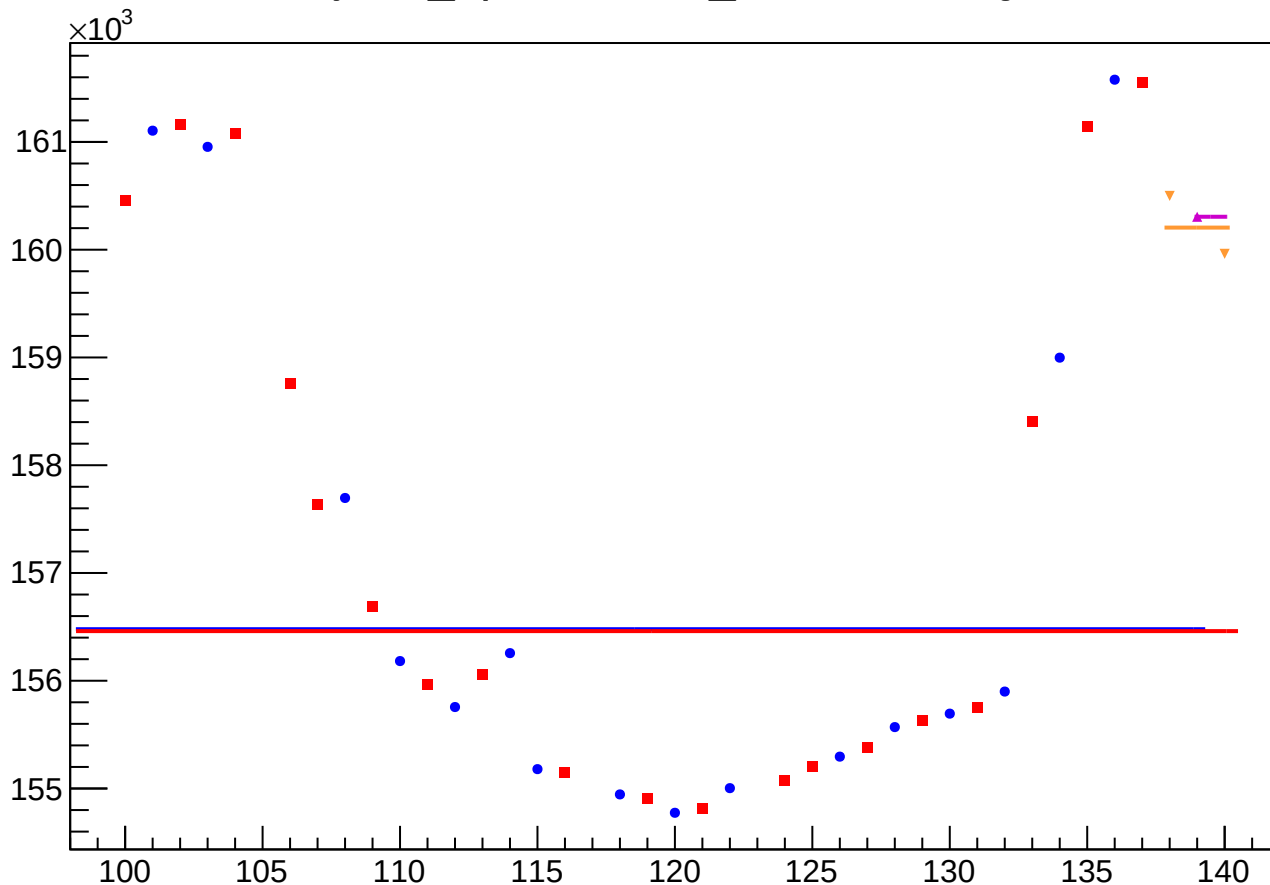
Left In: 180.329 $\pm$ 0.139 χ^2 /NDF:0.0/0

+ sign 140.950 $\pm$ 0.036 χ^2 /NDF: 1547459.0/17

All: 136.524 $\pm$ 0.025 χ^2 /NDF: 3317911.9/37

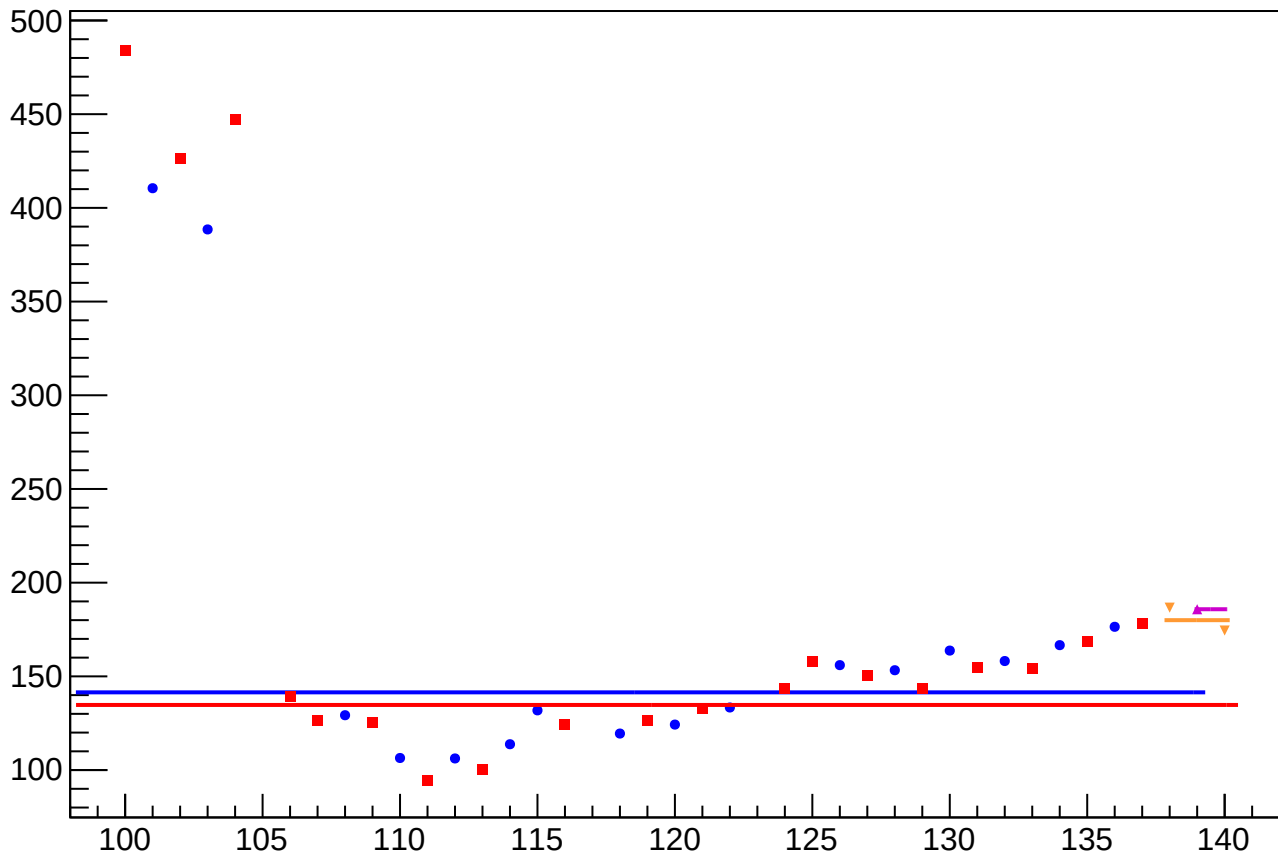
- sign 132.344 $\pm$ 0.035 χ^2 /NDF: 1740926.1/19

yield_bpm2i02WS_mean vs Slug



Right In: 156478.318 $\pm$ 0.057 χ^2 /NDF: 1289449253.3/15
 Left Out: 160205.220 $\pm$ 0.143 χ^2 /NDF: 3477374.6/1
 Right Out: 156460.550 $\pm$ 0.053 χ^2 /NDF: 1100531658.8/18
 Left In: 160305.781 $\pm$ 0.203 χ^2 /NDF: 0.0/0
 All: 156841.347 $\pm$ 0.037 χ^2 /NDF: 332629073
 + sign 156983.449 $\pm$ 0.053 χ^2 /NDF: 1876158610.6
 - sign 156706.816 $\pm$ 0.051 χ^2 /NDF: 1436044135.7/

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF : 1391933.2/15

Left Out: 179.989+/-0.101 χ^2/NDF :3585.1/1

Right Out: 134.746+/-0.038 χ^2/NDF : 1579031.5/18

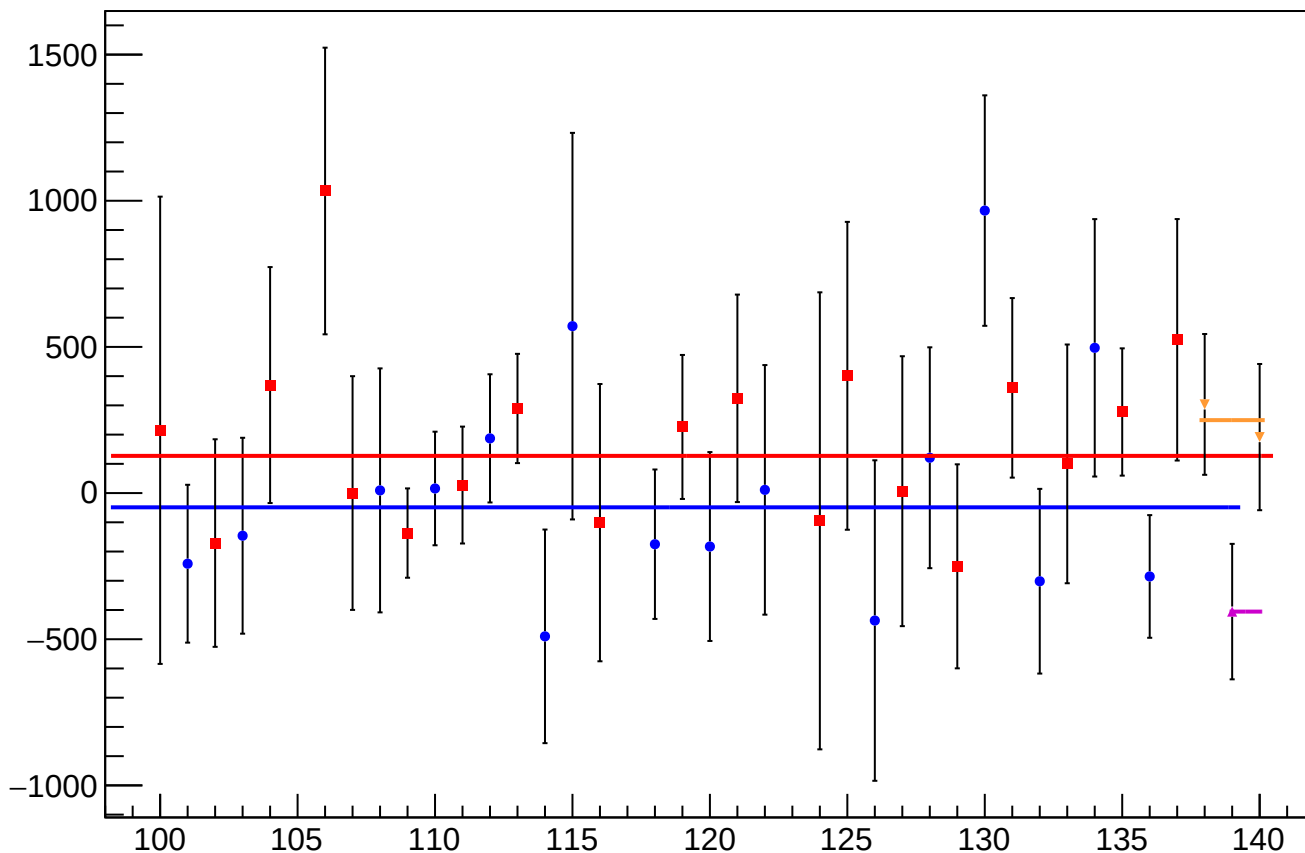
Left In: 185.823+/-0.144 χ^2/NDF :0.0/0

+ sign 146.691+/-0.037 χ^2/NDF : 1520122.7/17

All: 142.235+/-0.026 χ^2/NDF : 3245256.6/37

- sign 138.017+/-0.036 χ^2/NDF : 1697432.3/19

asym_bcm_target_mean vs Slug



Right In: -48.749 ± 76.592 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 249.511 ± 173.485 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 127.249 ± 68.506 $\chi^2/\text{NDF}: 12.9/18$

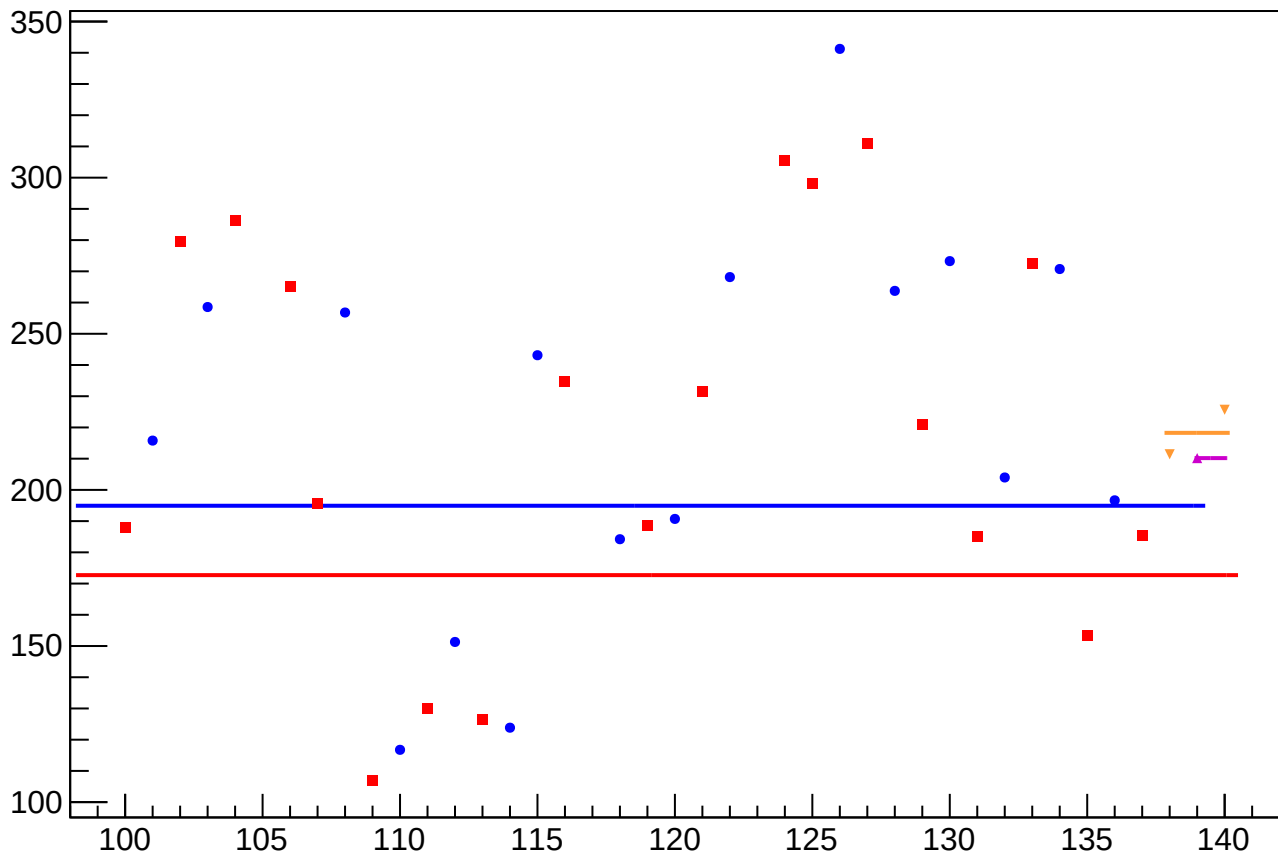
Left In: -405.486 ± 231.724 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.097 ± 70.067 $\chi^2/\text{NDF}: 18.0/17$

All: 44.885 ± 47.925 $\chi^2/\text{NDF}: 36.5/37$

- sign 84.429 ± 65.695 $\chi^2/\text{NDF}: 17.7/19$

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF : 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF : 3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF : 1631350.4/18

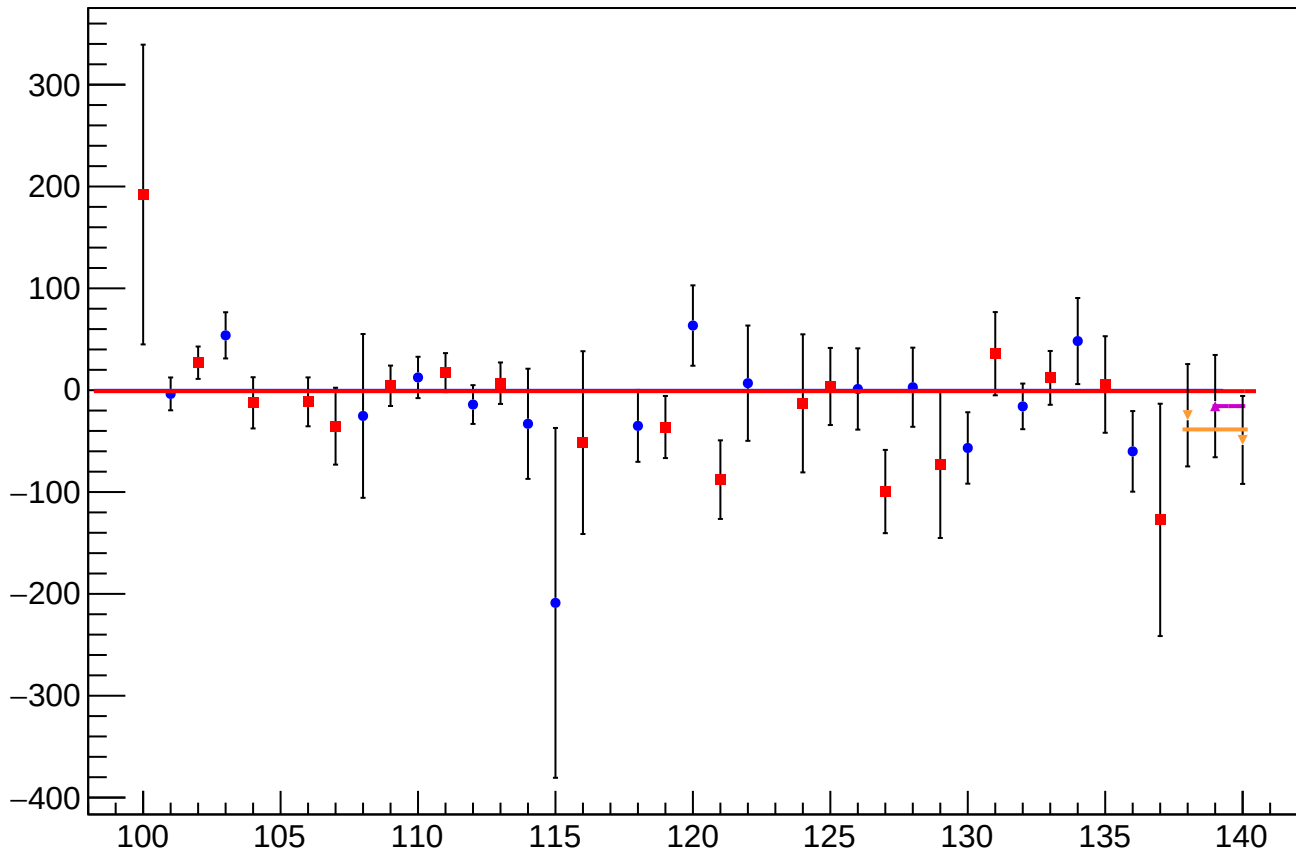
Left In: 210.182+/-0.164 χ^2/NDF : 0.0/0

+ sign 198.731+/-0.050 χ^2/NDF : 1062586.6/17

All: 186.483+/-0.034 χ^2/NDF : 2856883.1/37

- sign 175.716+/-0.046 χ^2/NDF : 1679461.7/19

asym_bcm_an_diff_mean vs Slug



Right In: -0.624 ± 7.340 χ^2/NDF : 18.9/15

Left Out: -38.547 ± 32.747 χ^2/NDF : 0.1/1

Right Out: -0.938 ± 6.767 χ^2/NDF : 23.1/18

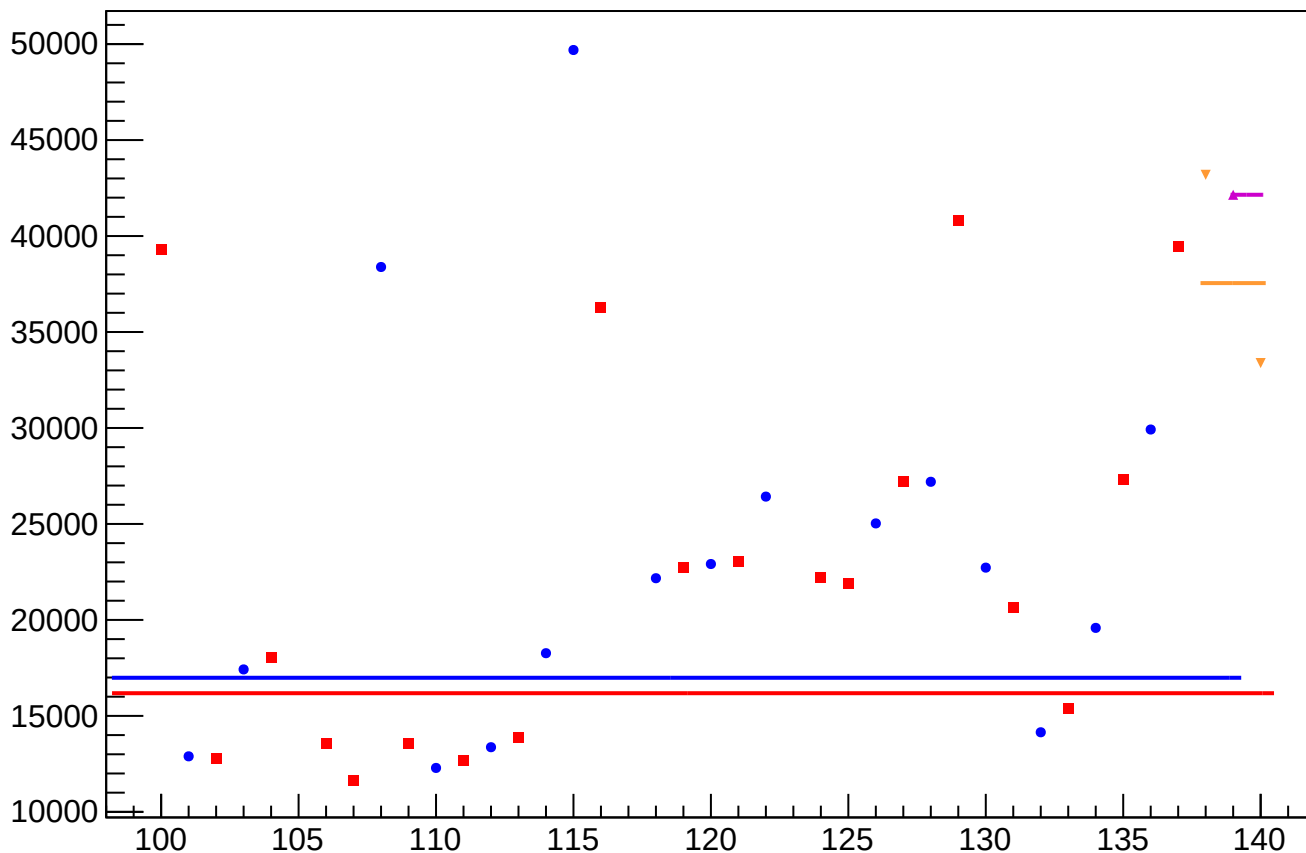
Left In: -15.620 ± 50.227 χ^2/NDF : 0.0/0

+ sign -2.438 ± 7.163 χ^2/NDF : 20.3/17

All: -1.778 ± 4.895 χ^2/NDF : 43.4/37

- sign -1.199 ± 6.706 χ^2/NDF : 23.1/19

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402 $\pm$ 5.190 χ^2 /NDF: 1194096.1/15

Left Out: 37548.099 $\pm$ 23.156 χ^2 /NDF:43829.8/1

Right Out: 16181.928 $\pm$ 4.785 χ^2 /NDF: 1251495.8/18

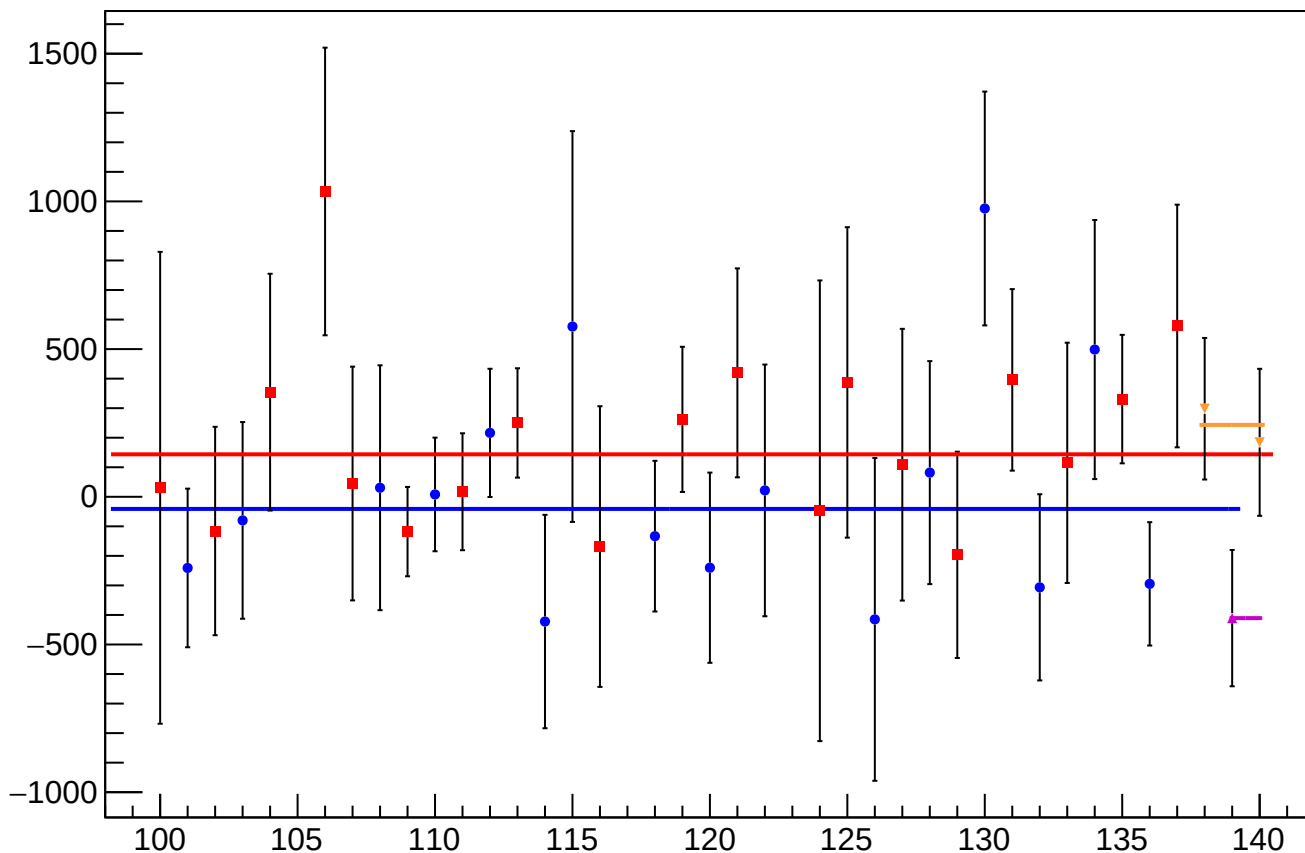
Left In: 42149.921 $\pm$ 35.516 χ^2 /NDF:0.0/0

+ sign 17970.052 $\pm$ 5.065 χ^2 /NDF: 1988690.9/17

All: 17263.934 $\pm$ 3.462 χ^2 /NDF: 3801733.0/3

- sign 16644.887 $\pm$ 4.742 χ^2 /NDF: 1776563.3/19

asym_bcm_an_ds_mean vs Slug



Right In: -41.048 ± 76.156 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 243.440 ± 172.603 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 143.821 ± 68.080 $\chi^2/\text{NDF}: 13.0/18$

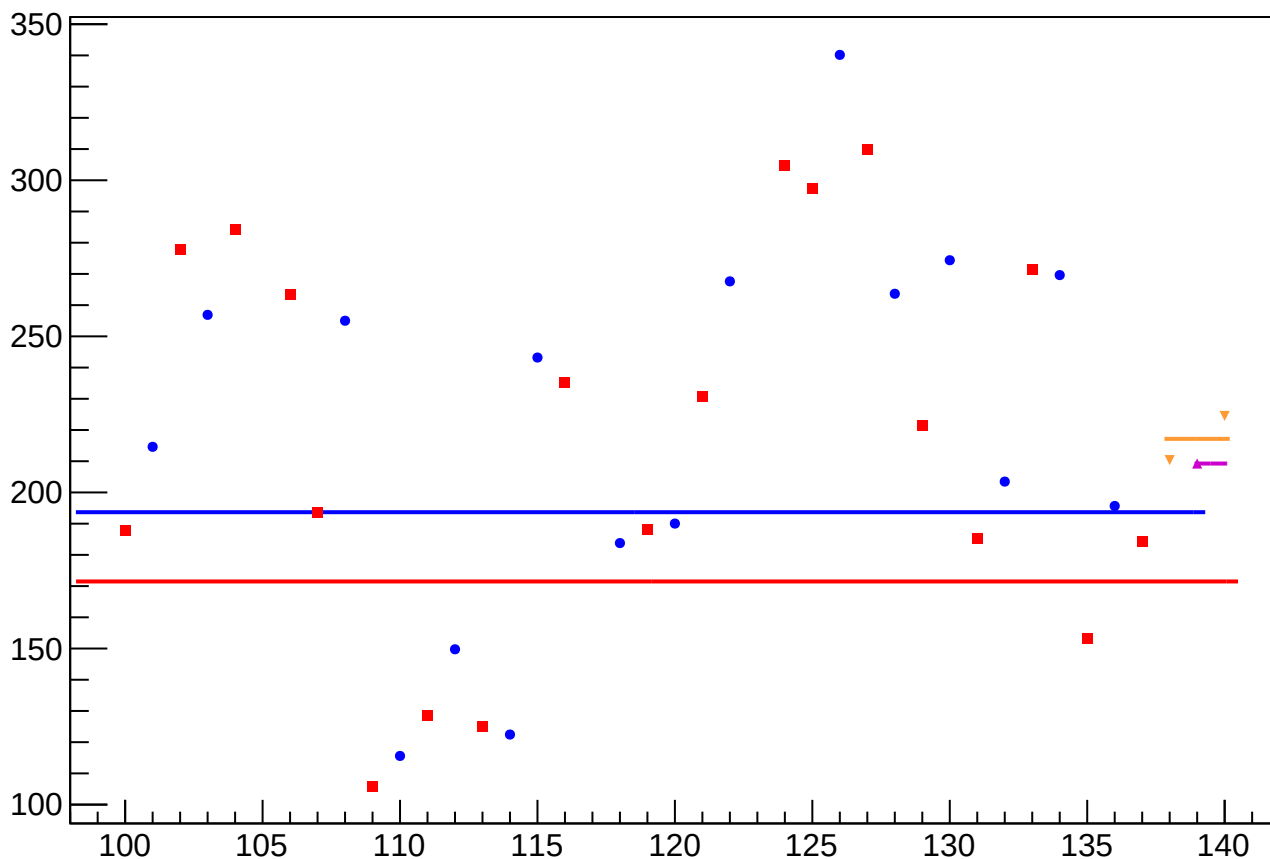
Left In: -410.703 ± 230.708 $\chi^2/\text{NDF}: 0.0/0$

+ sign 5.311 ± 69.676 $\chi^2/\text{NDF}: 17.8/17$

All: 55.406 ± 47.645 $\chi^2/\text{NDF}: 37.1/37$

- sign 99.401 ± 65.296 $\chi^2/\text{NDF}: 18.3/19$

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF : 1049772.0/15

Left Out: 217.167+/-0.122 χ^2/NDF :3356.4/1

Right Out: 171.484+/-0.048 χ^2/NDF : 1652989.7/18

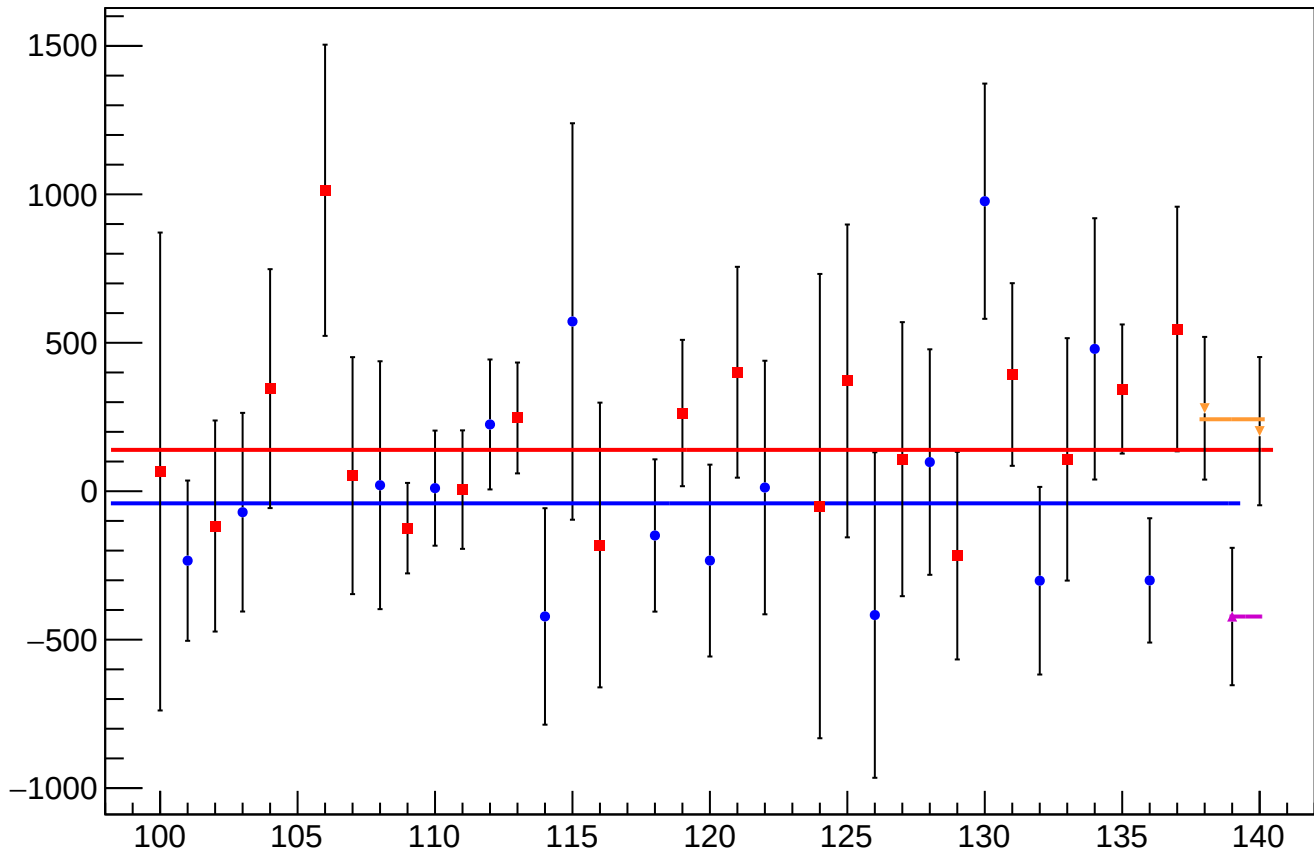
Left In: 209.257+/-0.163 χ^2/NDF :0.0/0

+ sign 197.499+/-0.049 χ^2/NDF : 1084151.7/17

All: 185.259+/-0.034 χ^2/NDF : 2902386.4/37

- sign 174.510+/-0.046 χ^2/NDF : 1702309.7/19

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798 ± 76.579 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 242.385 ± 173.141 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 139.292 ± 68.459 $\chi^2/\text{NDF}: 12.9/18$

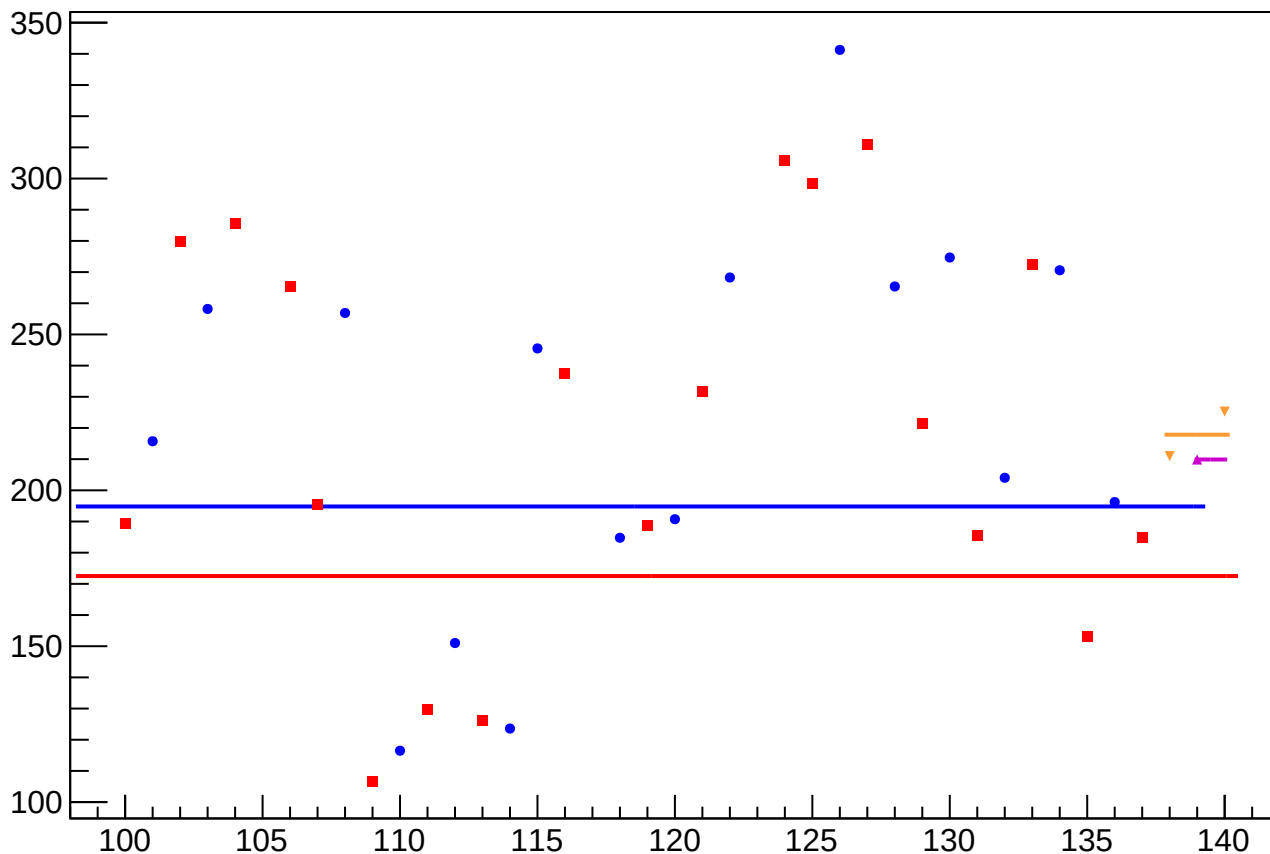
Left In: -422.078 ± 231.404 $\chi^2/\text{NDF}: 0.0/0$

+ sign 5.535 ± 70.035 $\chi^2/\text{NDF}: 17.7/17$

All: 52.686 ± 47.895 $\chi^2/\text{NDF}: 36.8/37$

- sign 94.114 ± 65.647 $\chi^2/\text{NDF}: 18.3/19$

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF : 1039096.7/15

Left Out: 217.839+/-0.122 χ^2/NDF : 3392.3/1

Right Out: 172.507+/-0.048 χ^2/NDF : 1642059.1/18

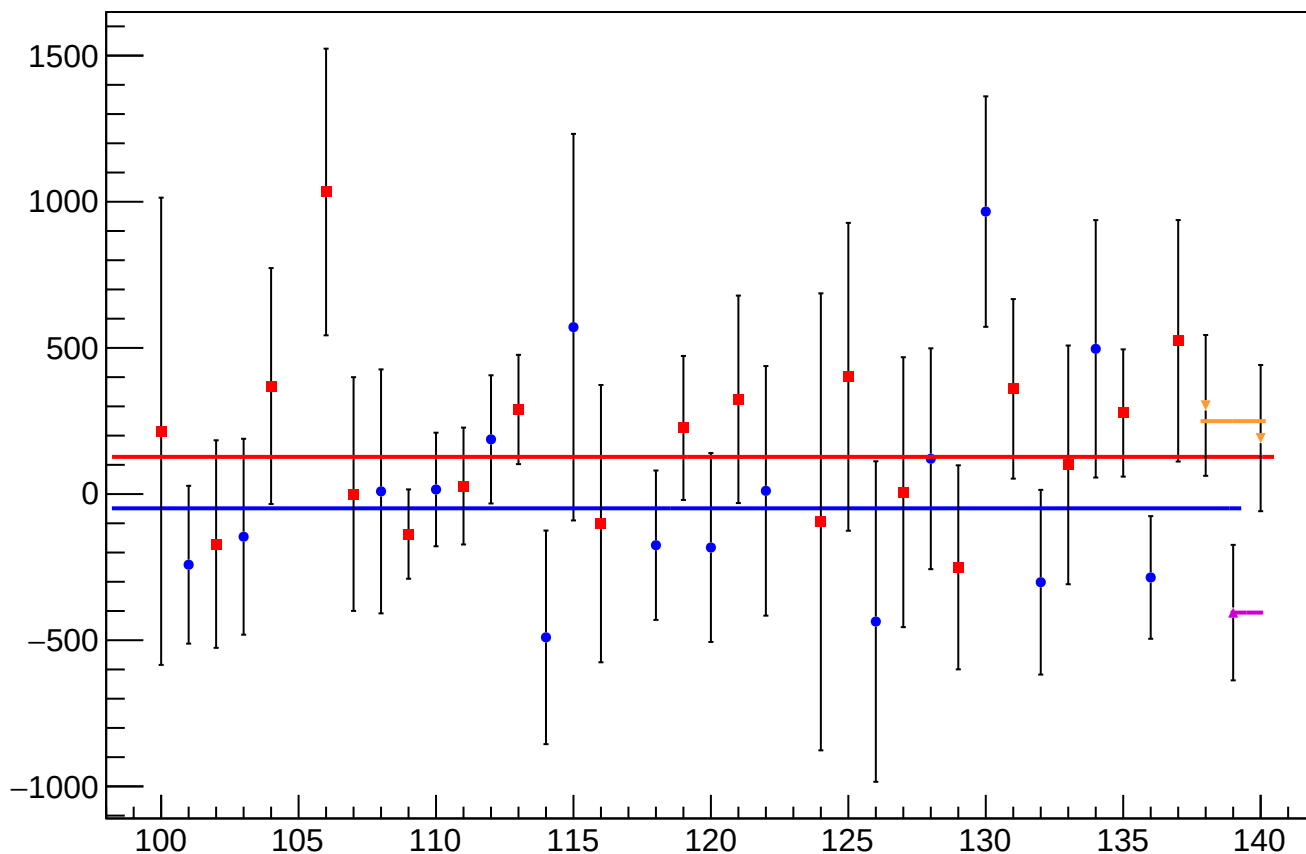
Left In: 209.886+/-0.164 χ^2/NDF : 0.0/0

+ sign 198.586+/-0.050 χ^2/NDF : 1072058.6/17

All: 186.305+/-0.034 χ^2/NDF : 2877634.1/37

- sign 175.515+/-0.046 χ^2/NDF : 1690045.4/19

asym_bcm_an_us_mean vs Slug



Right In: -48.749 ± 76.592 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 249.511 ± 173.485 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 127.249 ± 68.506 $\chi^2/\text{NDF}: 12.9/18$

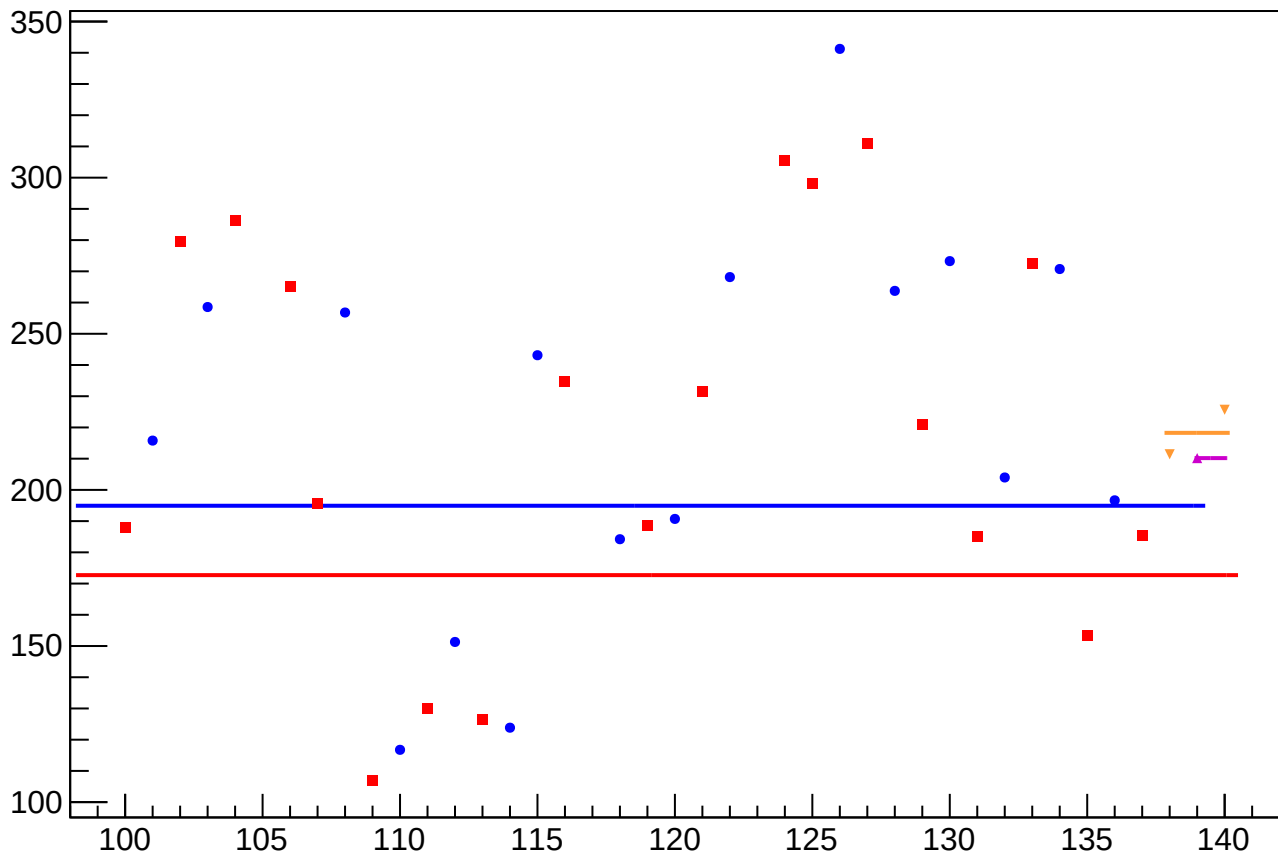
Left In: -405.486 ± 231.724 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.097 ± 70.067 $\chi^2/\text{NDF}: 18.0/17$

All: 44.885 ± 47.925 $\chi^2/\text{NDF}: 36.5/37$

- sign 84.429 ± 65.695 $\chi^2/\text{NDF}: 17.7/19$

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF : 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF : 3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF : 1631350.4/18

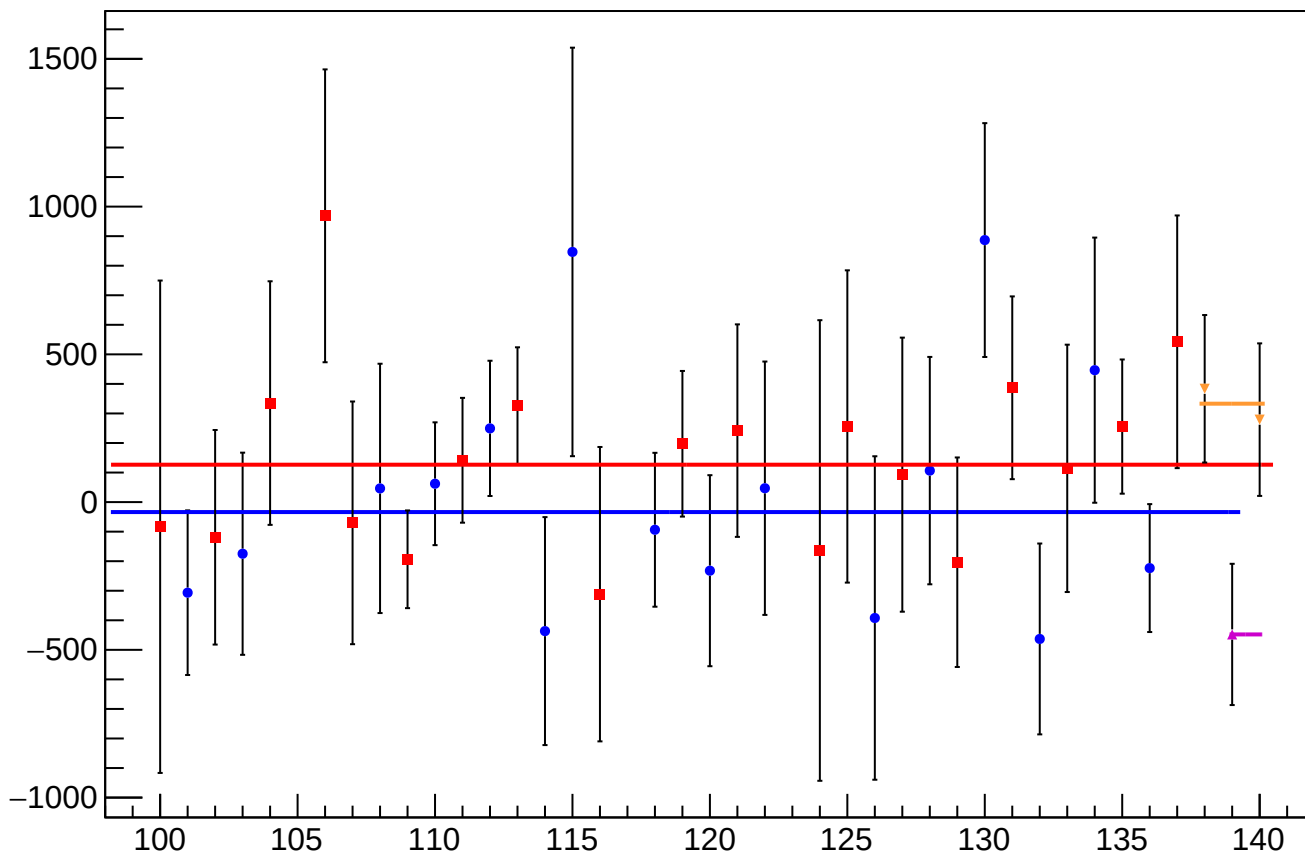
Left In: 210.182+/-0.164 χ^2/NDF : 0.0/0

+ sign 198.731+/-0.050 χ^2/NDF : 1062586.6/17

All: 186.483+/-0.034 χ^2/NDF : 2856883.1/37

- sign 175.716+/-0.046 χ^2/NDF : 1679461.7/19

asym_bcm_dg_us_mean vs Slug



Right In: -33.731 ± 78.996 χ^2/NDF : 15.7/15

Left Out: 333.044 ± 179.418 χ^2/NDF : 0.1/1

Right Out: 126.563 ± 71.309 χ^2/NDF : 12.7/18

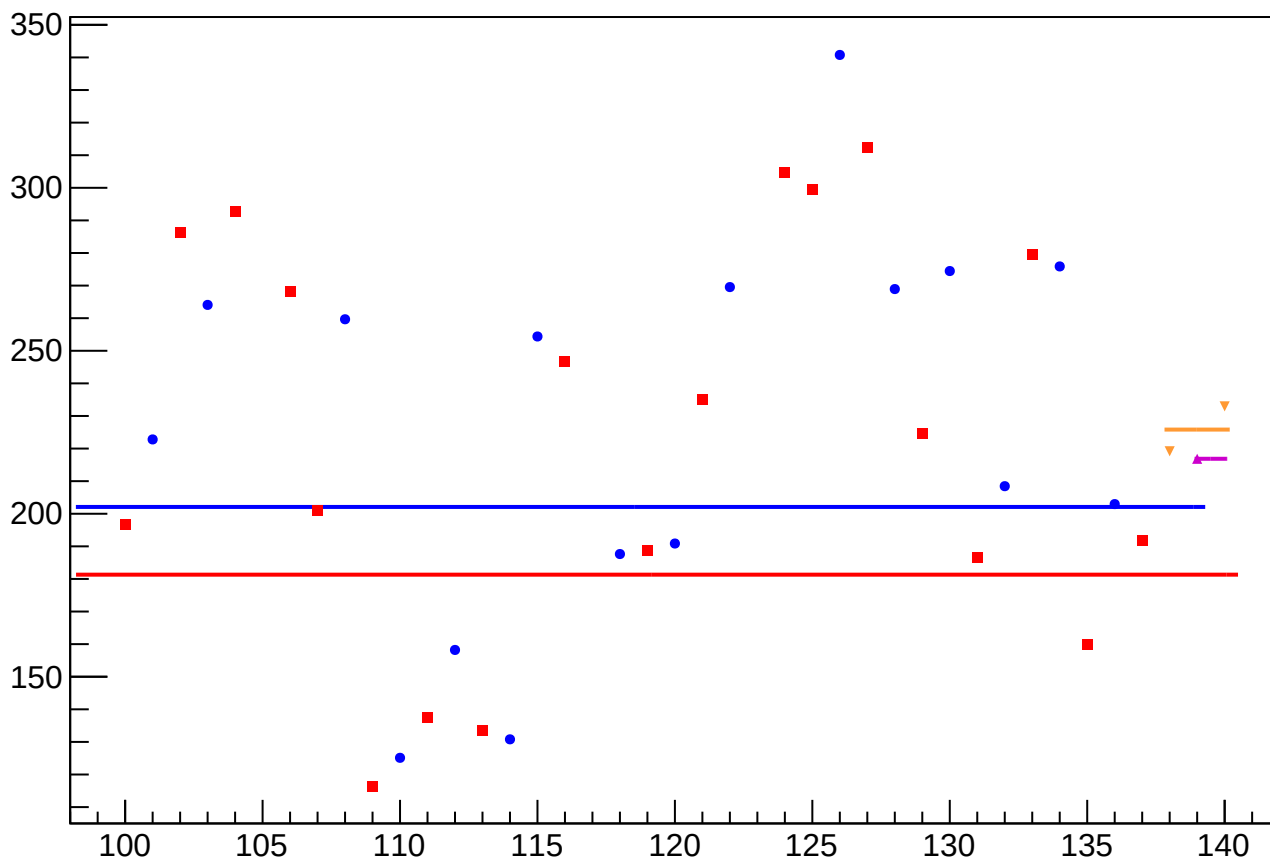
Left In: -447.840 ± 239.009 χ^2/NDF : 0.0/0

+ sign 25.824 ± 72.298 χ^2/NDF : 19.3/17

All: 54.234 ± 49.661 χ^2/NDF : 37.6/37

- sign 79.612 ± 68.333 χ^2/NDF : 18.0/19

asym_bcm_dg_us_rms vs Slug



Right In: 202.090 $\pm$ 0.056 χ^2 /NDF: 910259.2/15

Left Out: 225.824 $\pm$ 0.127 χ^2 /NDF:2946.3/1

Right Out: 181.312 $\pm$ 0.050 χ^2 /NDF: 1440989.4/18

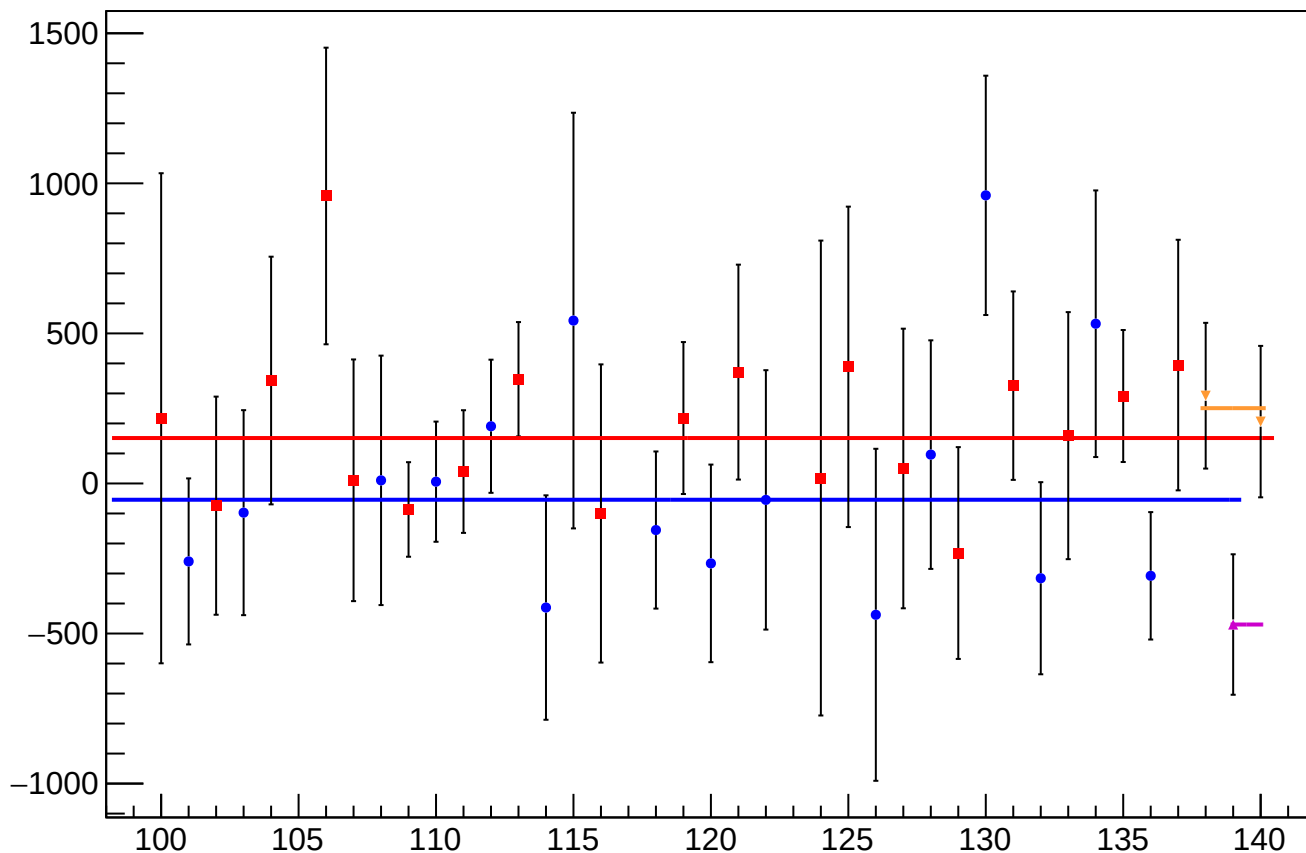
Left In: 216.867 $\pm$ 0.169 χ^2 /NDF:0.0/0

+ sign 205.944 $\pm$ 0.051 χ^2 /NDF: 942520.4/17

All: 194.469 $\pm$ 0.035 χ^2 /NDF: 2519538.6/37

- sign 184.218 $\pm$ 0.048 χ^2 /NDF: 1481629.7/19

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254 ± 77.946 χ^2/NDF : 15.1/15

Left Out: 250.886 ± 174.948 χ^2/NDF : 0.1/1

Right Out: 151.358 ± 69.902 χ^2/NDF : 10.2/18

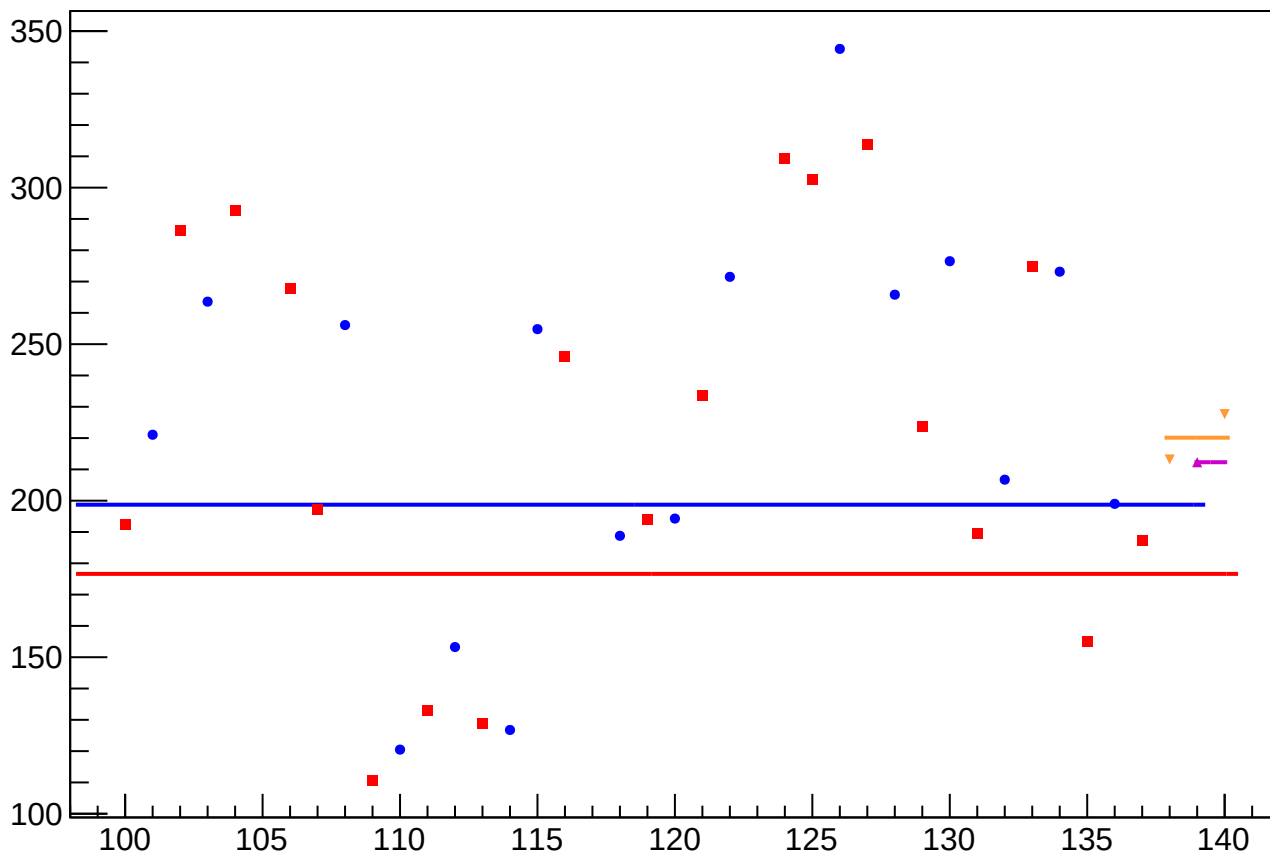
Left In: -469.992 ± 234.034 χ^2/NDF : 0.0/0

+ sign -3.715 ± 71.199 χ^2/NDF : 17.7/17

All: 51.556 ± 48.785 χ^2/NDF : 35.5/37

- sign 100.467 ± 66.978 χ^2/NDF : 16.7/19

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718 $\pm$ 0.055 χ^2 /NDF: 994068.9/15

Left Out: 220.127 $\pm$ 0.124 χ^2 /NDF: 3425.0/1

Right Out: 176.621 $\pm$ 0.049 χ^2 /NDF: 1595710.1/18

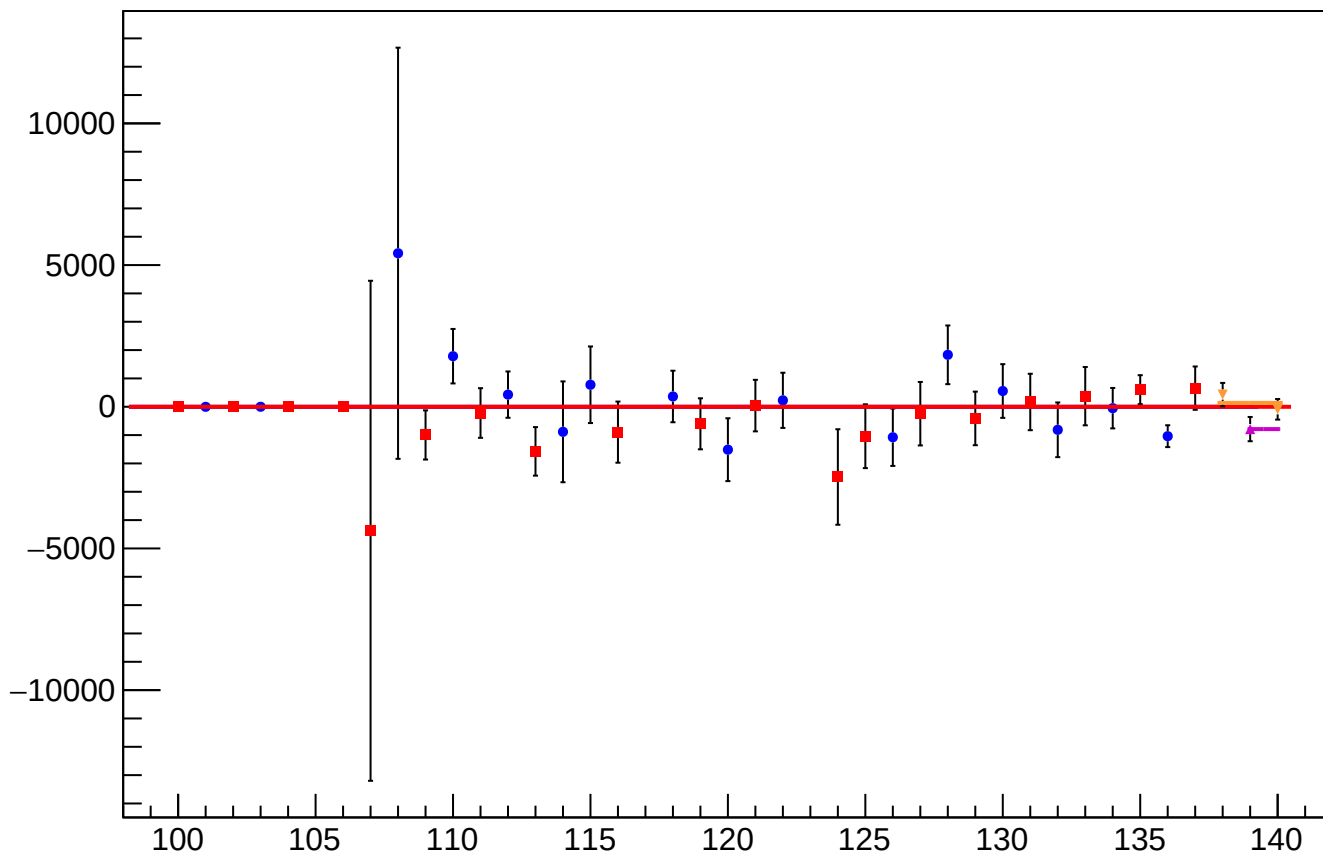
Left In: 212.291 $\pm$ 0.165 χ^2 /NDF: 0.0/0

+ sign 202.264 $\pm$ 0.050 χ^2 /NDF: 1022482.2/17

All: 190.210 $\pm$ 0.034 χ^2 /NDF: 2768902.1/37

- sign 179.543 $\pm$ 0.047 χ^2 /NDF: 1638363.5/19

asym_cav4bQ_mean vs Slug



Right In: -1.239 ± 2.171 χ^2/NDF : 19.9/15

Left Out: 137.381 ± 272.571 χ^2/NDF : 0.9/1

Right Out: -1.377 ± 2.022 χ^2/NDF : 16.8/18

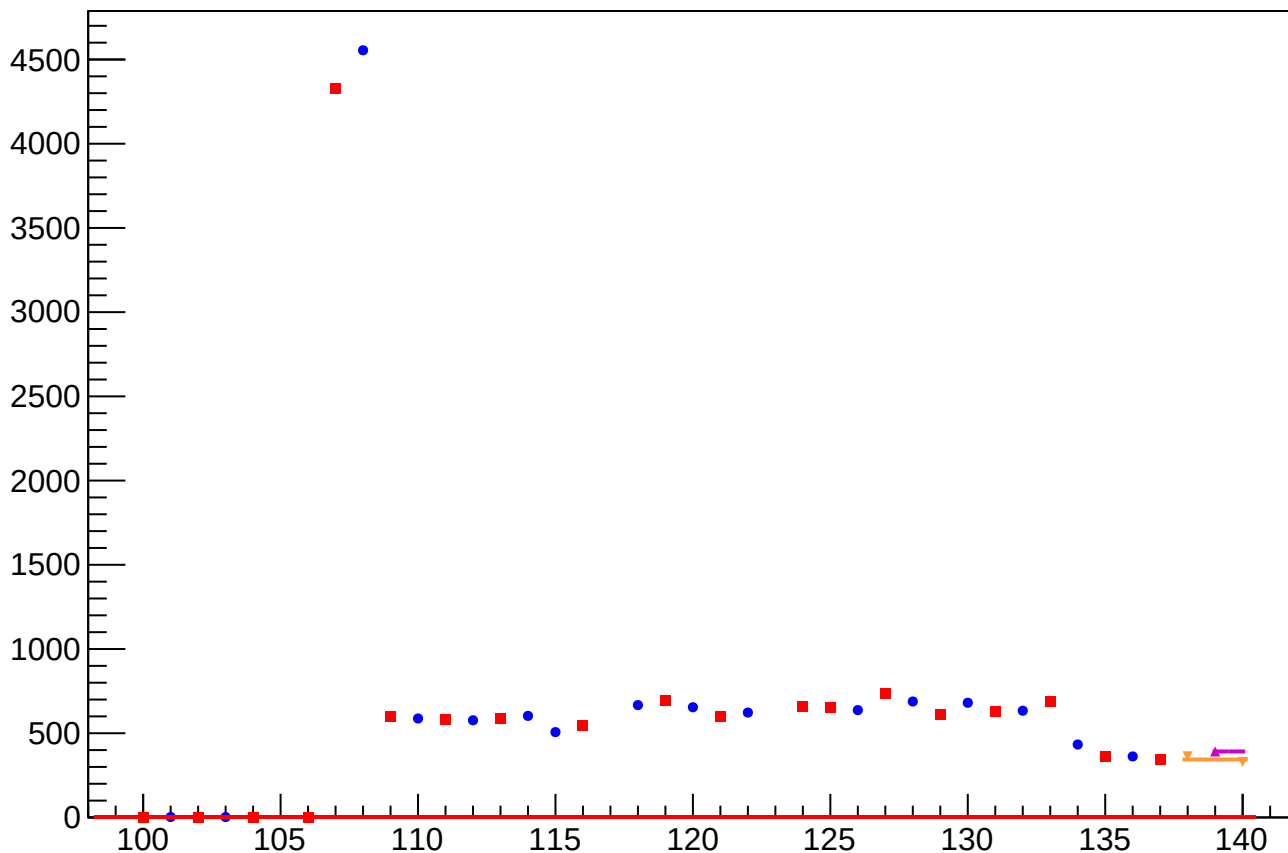
Left In: -787.947 ± 428.025 χ^2/NDF : 0.0/0

+ sign -1.230 ± 2.171 χ^2/NDF : 21.1/17

All: -1.318 ± 1.480 χ^2/NDF : 41.3/37

- sign -1.395 ± 2.022 χ^2/NDF : 20.2/19

asym_cav4bQ_rms vs Slug



Right In: 2.477 $\pm$ 0.002 χ^2 /NDF: 11626192.3/15

Left Out: 344.015 $\pm$ 0.193 χ^2 /NDF: 7272.1/1

Right Out: 2.462 $\pm$ 0.001 χ^2 /NDF: 11545445.6/18

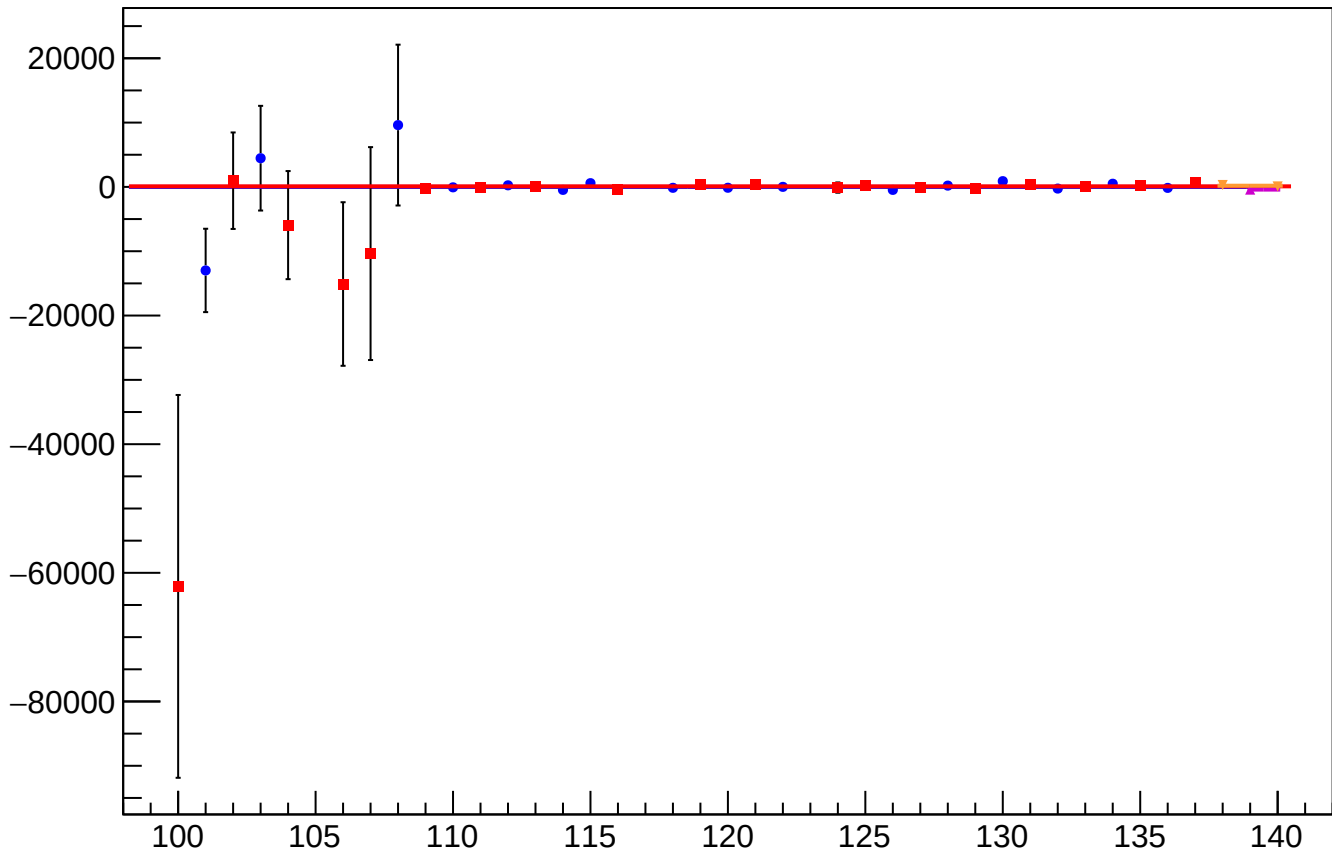
Left In: 391.777 $\pm$ 0.303 χ^2 /NDF: 0.0/0

+ sign 2.498 $\pm$ 0.002 χ^2 /NDF: 14773407.5/17

All: 2.484 $\pm$ 0.001 χ^2 /NDF: 27973592.2/37

- sign 2.471 $\pm$ 0.001 χ^2 /NDF: 13200012.8/19

asym_cav4cQ_mean vs Slug



Right In: 0.575 ± 87.823 χ^2/NDF : 16.8/15

Left Out: 185.977 ± 173.046 χ^2/NDF : 0.4/1

Right Out: 88.089 ± 81.605 χ^2/NDF : 14.9/18

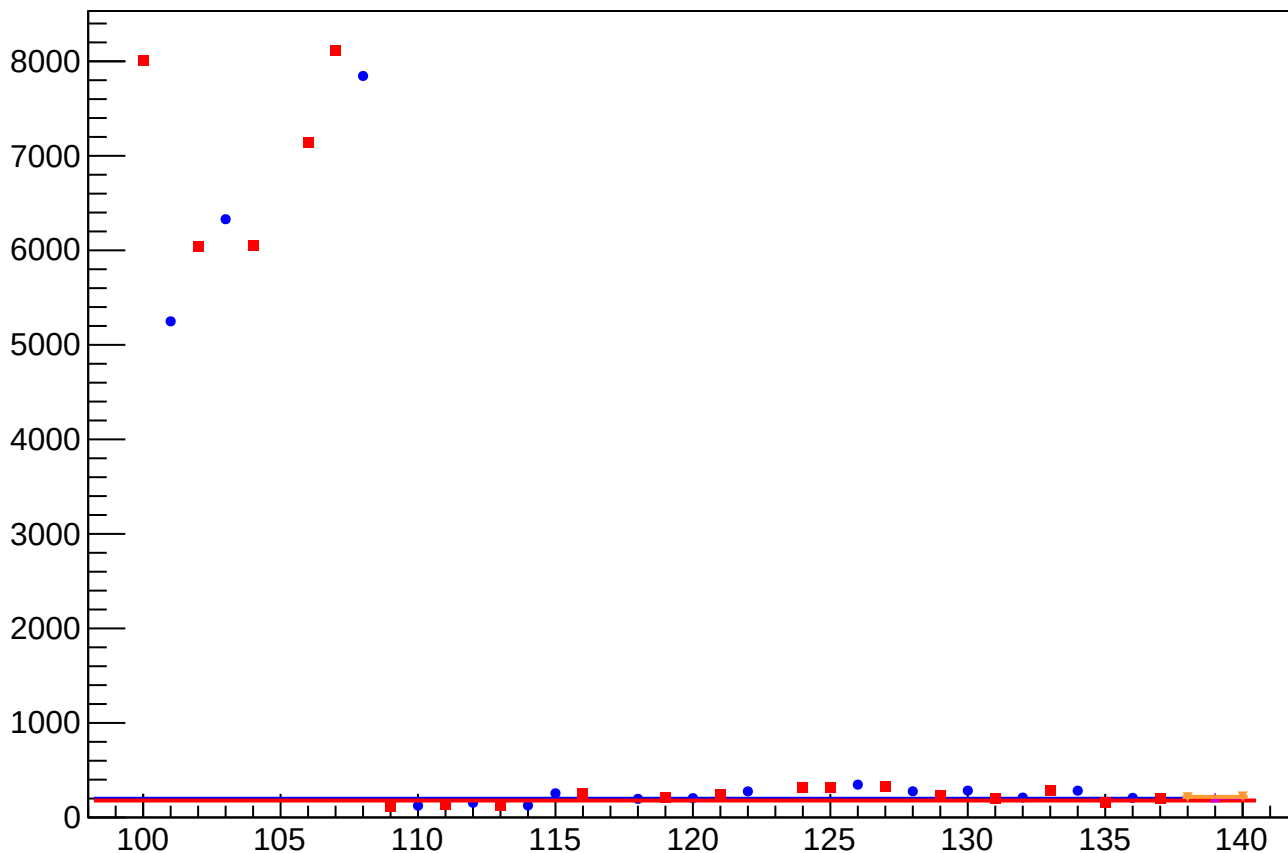
Left In: -418.245 ± 232.799 χ^2/NDF : 0.0/0

+ sign 38.548 ± 78.314 χ^2/NDF : 18.2/17

All: 35.565 ± 54.910 χ^2/NDF : 37.3/37

- sign 32.681 ± 77.011 χ^2/NDF : 19.1/19

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF : 3957192.6/15

Left Out: 217.429+/-0.122 χ^2/NDF :1235.6/1

Right Out: 179.250+/-0.058 χ^2/NDF : 4418422.9/18

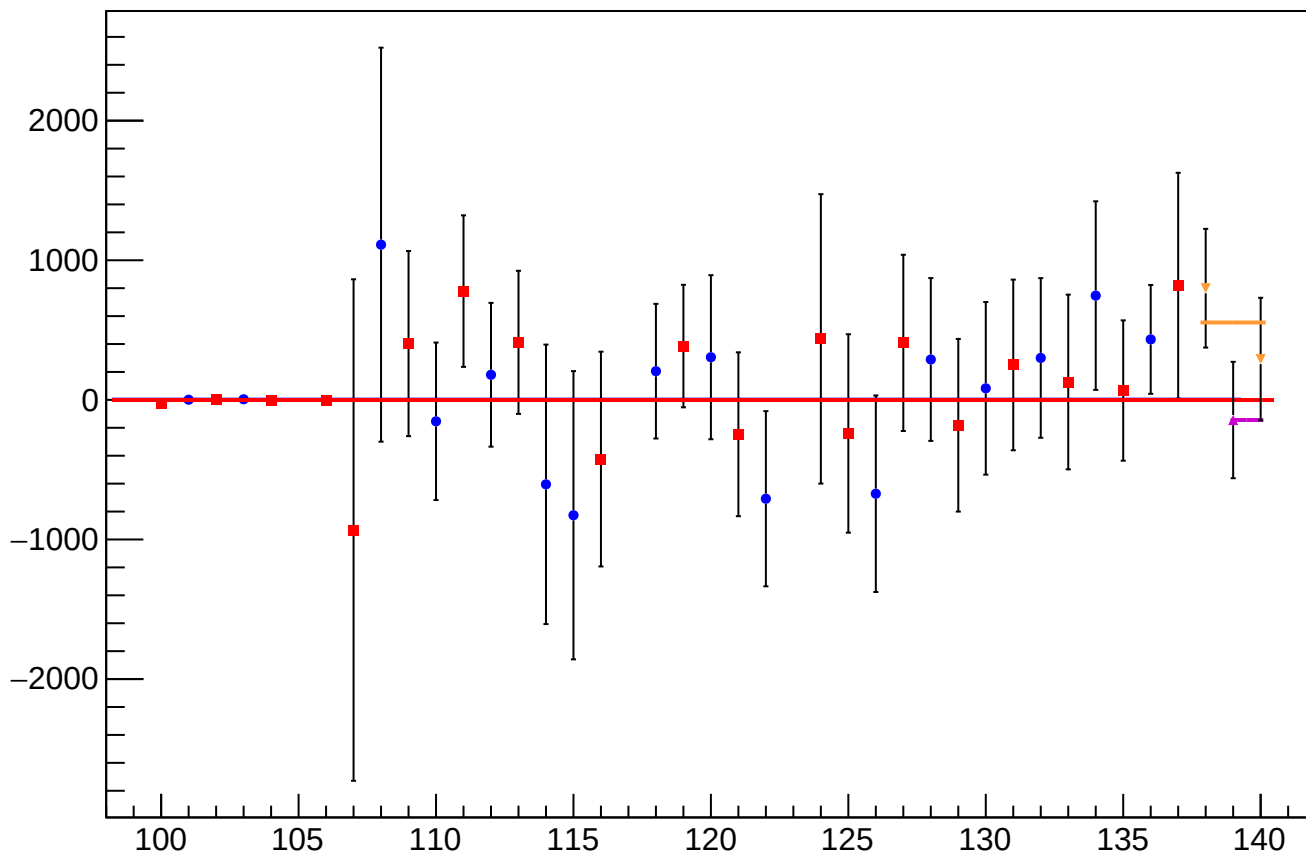
Left In: 210.631+/-0.165 χ^2/NDF :0.0/0

+ sign 201.677+/-0.055 χ^2/NDF : 3979268.9/17

All: 192.021+/-0.039 χ^2/NDF : 8489862.2/37

- sign 182.684+/-0.054 χ^2/NDF : 4450788.6/19

asym_cav4dQ_mean vs Slug



Right In: 1.456 ± 1.660 χ^2/NDF : 7.9/15

Left Out: 554.290 ± 305.399 χ^2/NDF : 0.7/1

Right Out: -1.094 ± 1.528 χ^2/NDF : 9.2/18

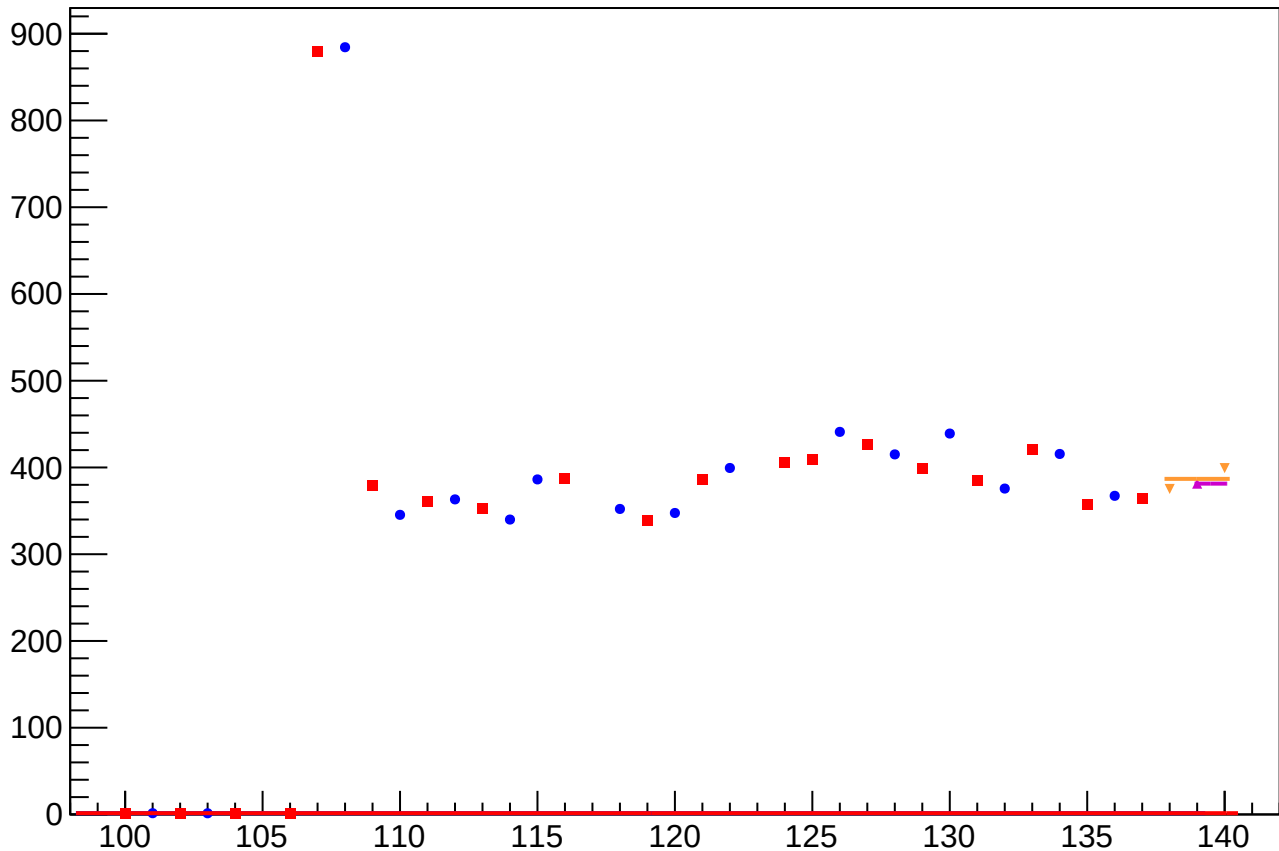
Left In: -144.296 ± 416.813 χ^2/NDF : 0.0/0

+ sign 1.472 ± 1.660 χ^2/NDF : 11.9/17

All: 0.082 ± 1.124 χ^2/NDF : 22.4/37

- sign -1.095 ± 1.528 χ^2/NDF : 9.3/19

asym_cav4dQ_rms vs Slug



Right In: 1.470 $\pm$ 0.001 χ^2 /NDF: 11735334.0/15

Left Out: 386.853 $\pm$ 0.216 χ^2 /NDF:3092.0/1

Right Out: 1.467 $\pm$ 0.001 χ^2 /NDF: 11270430.6/18

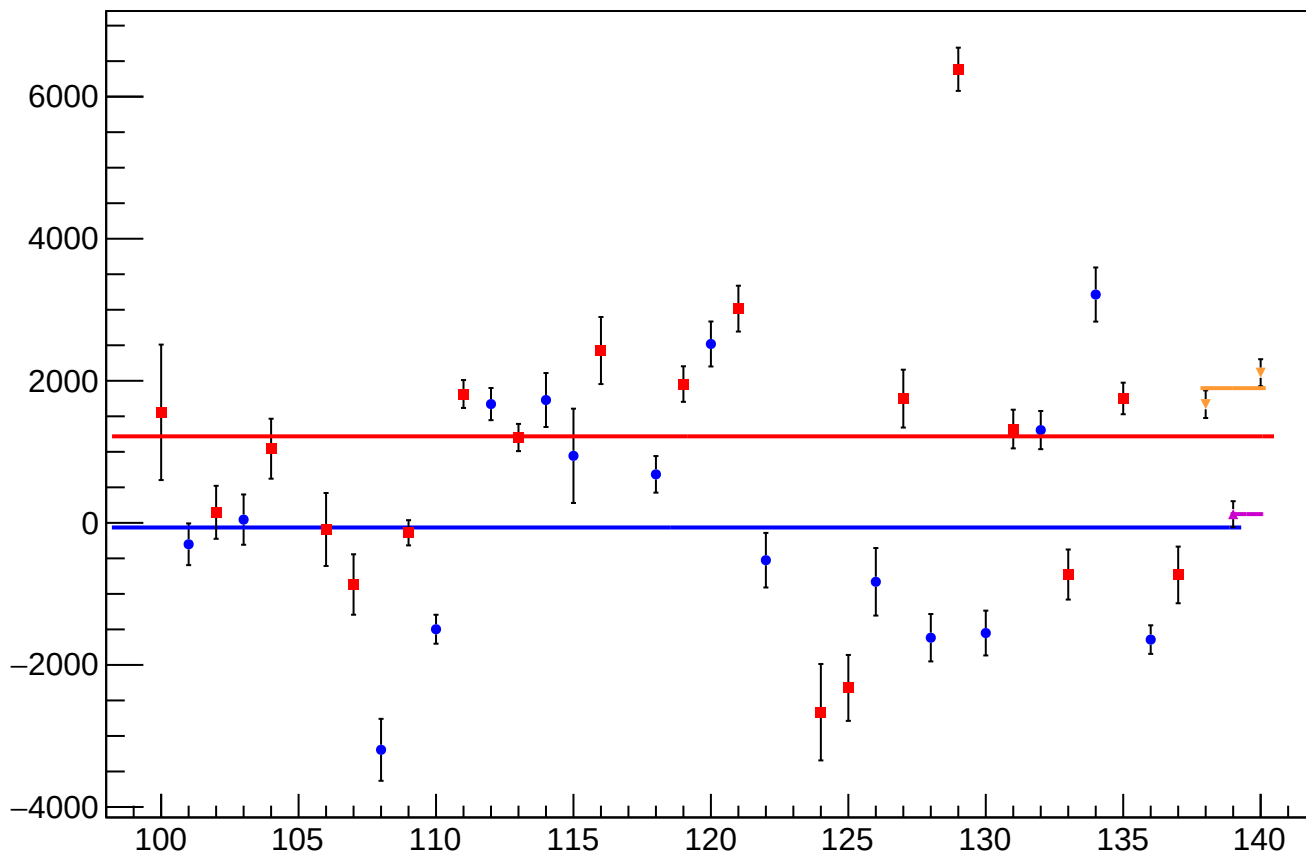
Left In: 381.358 $\pm$ 0.295 χ^2 /NDF:0.0/0

+ sign 1.482 $\pm$ 0.001 χ^2 /NDF: 14923119.2/17

All: 1.476 $\pm$ 0.001 χ^2 /NDF: 27854927.7/37

- sign 1.472 $\pm$ 0.001 χ^2 /NDF: 12931774.4/19

asym_bcm0l02_mean vs Slug



Right In: -64.993 ± 74.895 $\chi^2/\text{NDF}: 469.5/15$

Left Out: 1896.611 ± 136.139 $\chi^2/\text{NDF}: 2.6/1$

Right Out: 1217.846 ± 69.022 $\chi^2/\text{NDF}: 594.6/18$

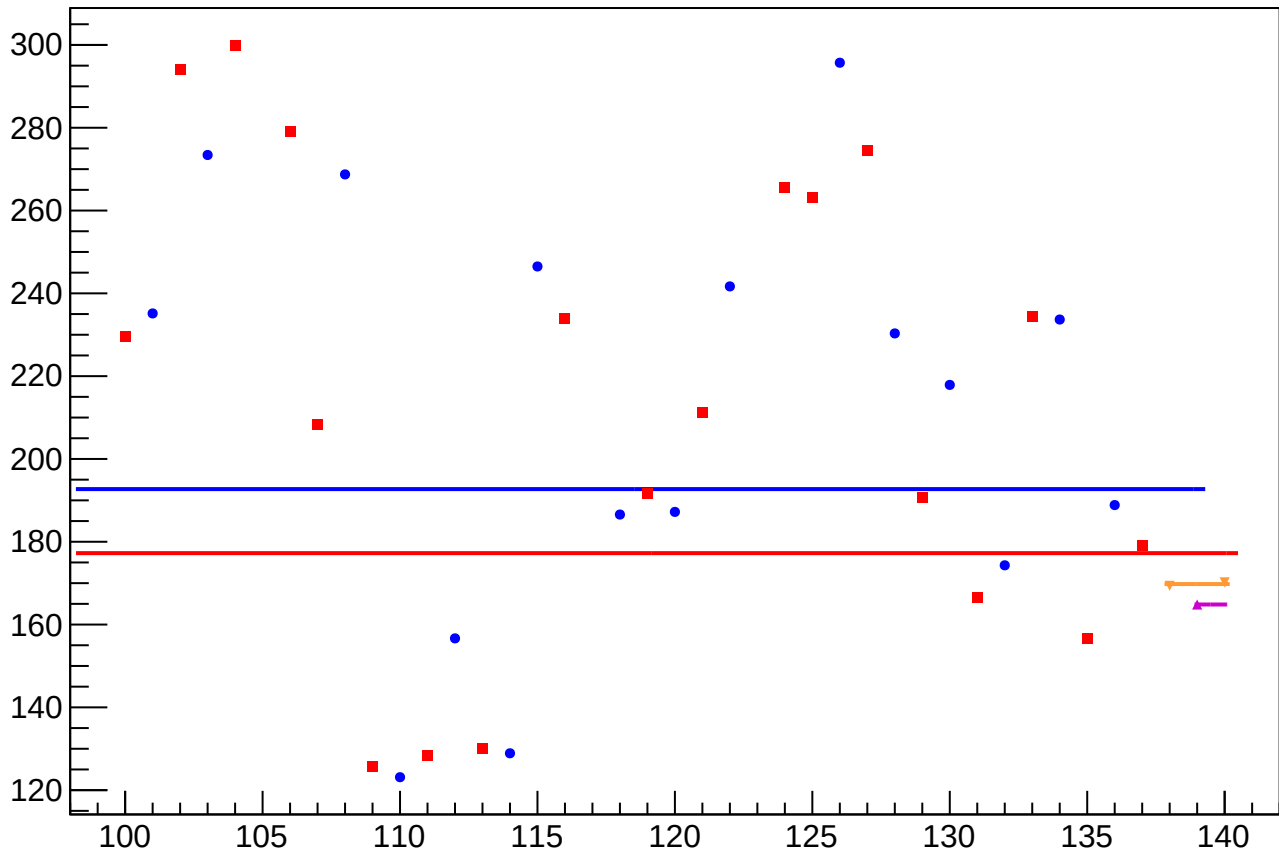
Left In: 123.230 ± 181.957 $\chi^2/\text{NDF}: 0.0/0$

+ sign 390.755 ± 65.620 $\chi^2/\text{NDF}: 631.5/17$

All: 741.201 ± 46.012 $\chi^2/\text{NDF}: 1313.8/37$

- sign 1080.151 ± 64.535 $\chi^2/\text{NDF}: 626.2/19$

asym_bcm0l02_rms vs Slug



Right In: 192.719 $\pm$ 0.053 χ^2 /NDF: 759146.3/15

Left Out: 169.781 $\pm$ 0.096 χ^2 /NDF:19.0/1

Right Out: 177.251 $\pm$ 0.049 χ^2 /NDF: 1226180.2/18

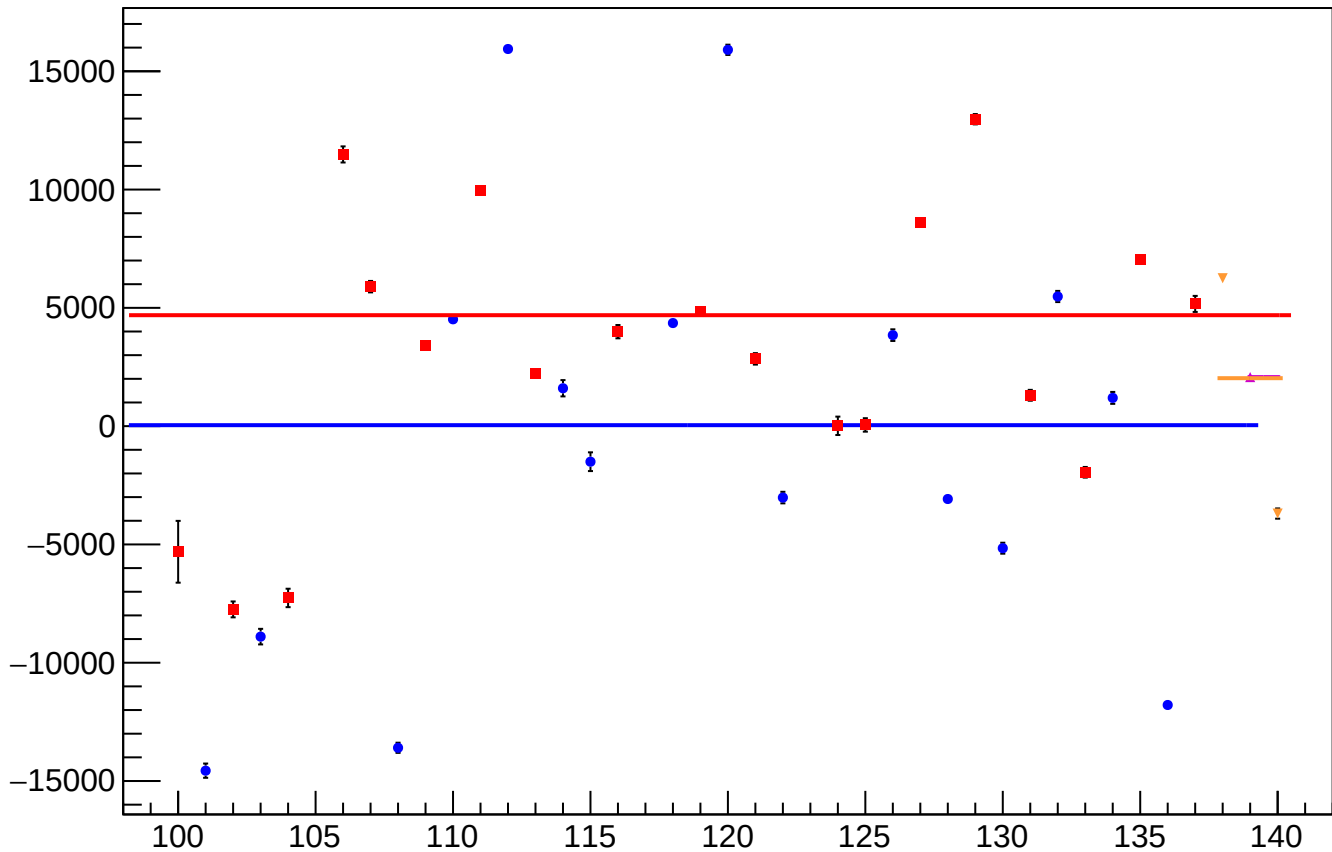
Left In: 164.844 $\pm$ 0.129 χ^2 /NDF:0.0/0

+ sign 187.390 $\pm$ 0.046 χ^2 /NDF: 802753.1/17

All: 181.443 $\pm$ 0.033 χ^2 /NDF: 2069378.2/37

- sign 175.691 $\pm$ 0.046 χ^2 /NDF: 1234309.3/19

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF :1215.1/1

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

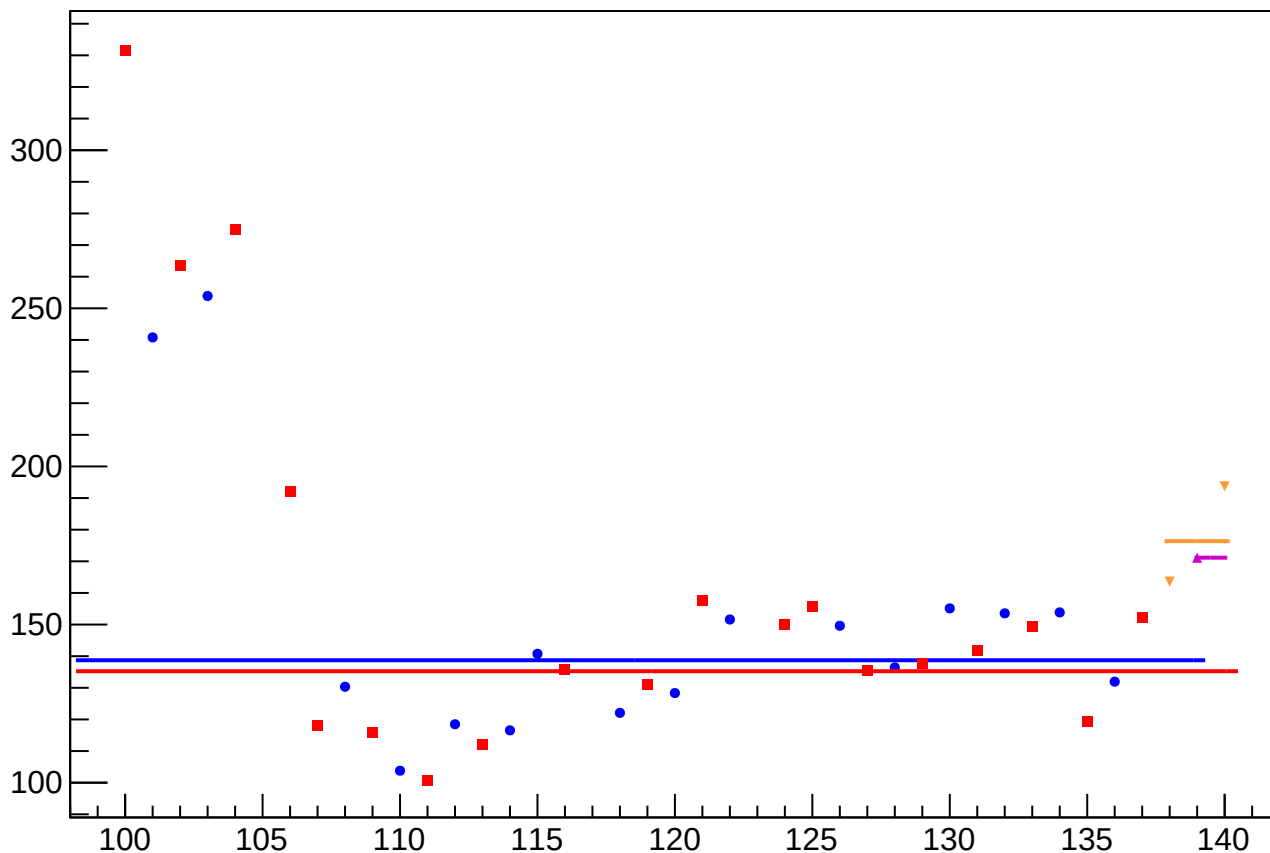
Left In: 2073.670+/-188.982 χ^2/NDF :0.0/0

+ sign 296.458+/-50.592 χ^2/NDF : 32174.2/17

All: 2416.173+/-35.642 χ^2/NDF : 43633.3/37

- sign 4504.958+/-50.222 χ^2/NDF : 7973.8/19

asym_bpm0i02WS_rms vs Slug



Right In: 138.712 $\pm$ 0.038 χ^2 /NDF: 657791.3/15

Left Out: 176.377 $\pm$ 0.100 χ^2 /NDF: 22275.9/1

Right Out: 135.245 $\pm$ 0.037 χ^2 /NDF: 890024.8/18

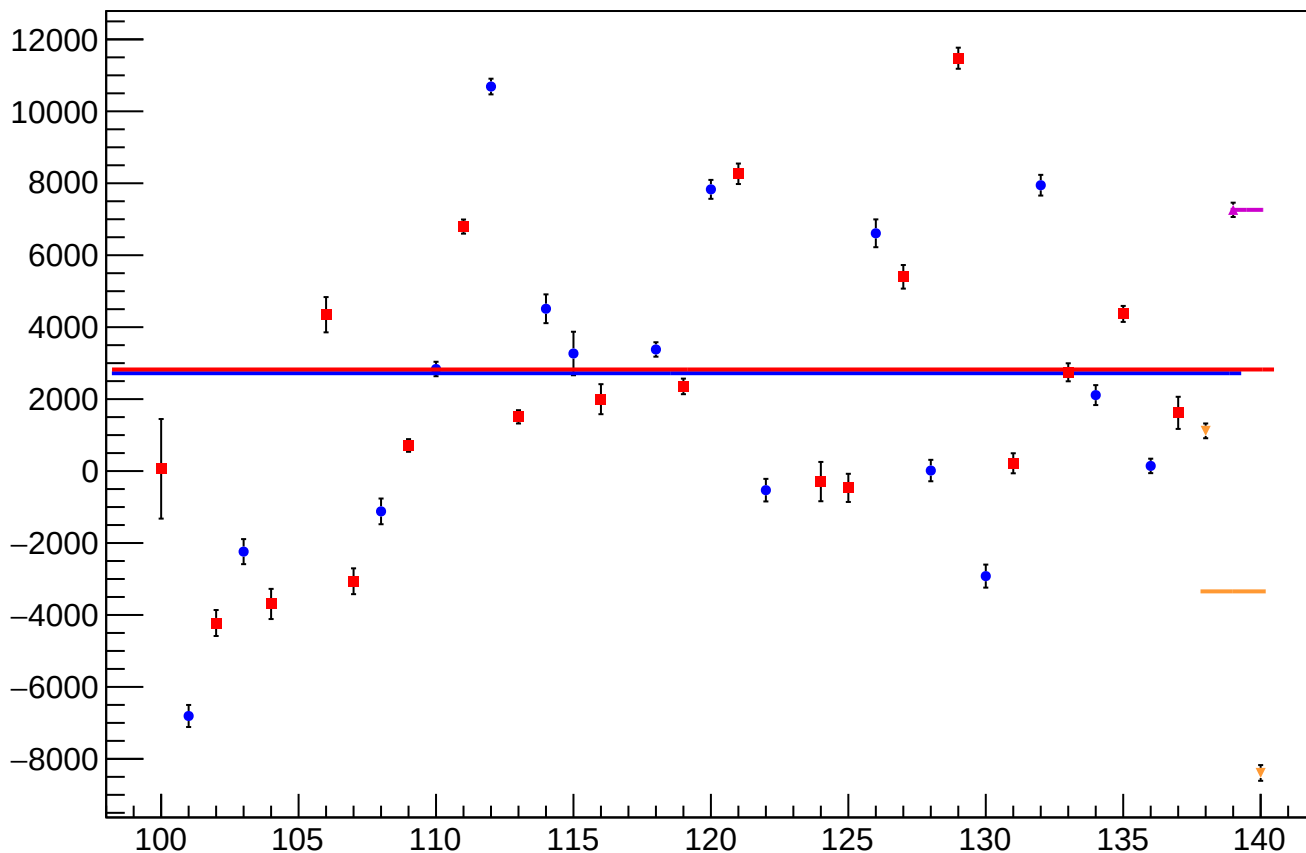
Left In: 171.151 $\pm$ 0.134 χ^2 /NDF: 0.0/0

+ sign 143.558 $\pm$ 0.036 χ^2 /NDF: 804332.6/17

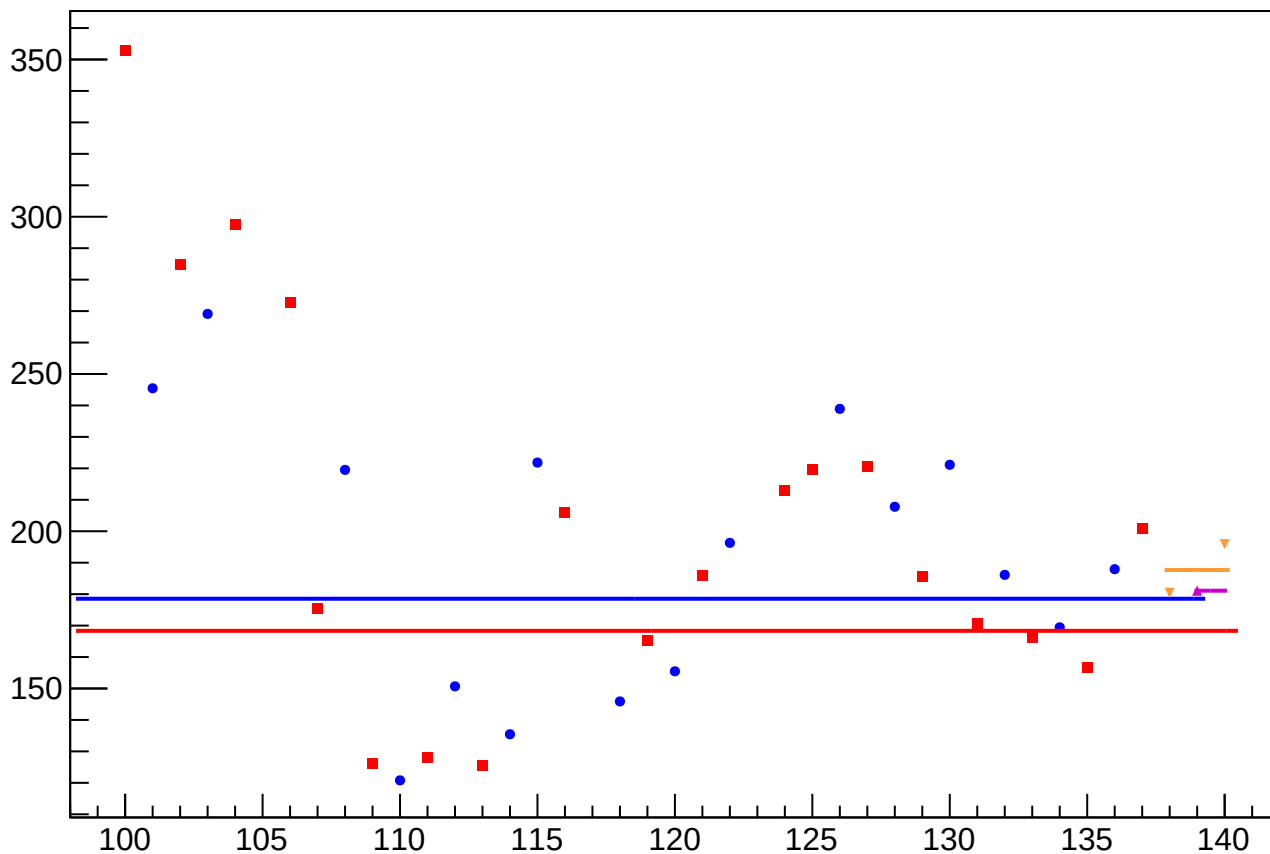
All: 140.648 $\pm$ 0.025 χ^2 /NDF: 1774590.6/37

- sign 137.781 $\pm$ 0.036 χ^2 /NDF: 957124.6/19

asym_bpm0i02aWS_mean vs Slug



asym_bpm0i02aWS_rms vs Slug



Right In: 178.541 $\pm$ 0.049 χ^2 /NDF: 674566.0/15

Left Out: 187.685 $\pm$ 0.106 χ^2 /NDF:5329.2/1

Right Out: 168.335 $\pm$ 0.046 χ^2 /NDF: 979485.9/18

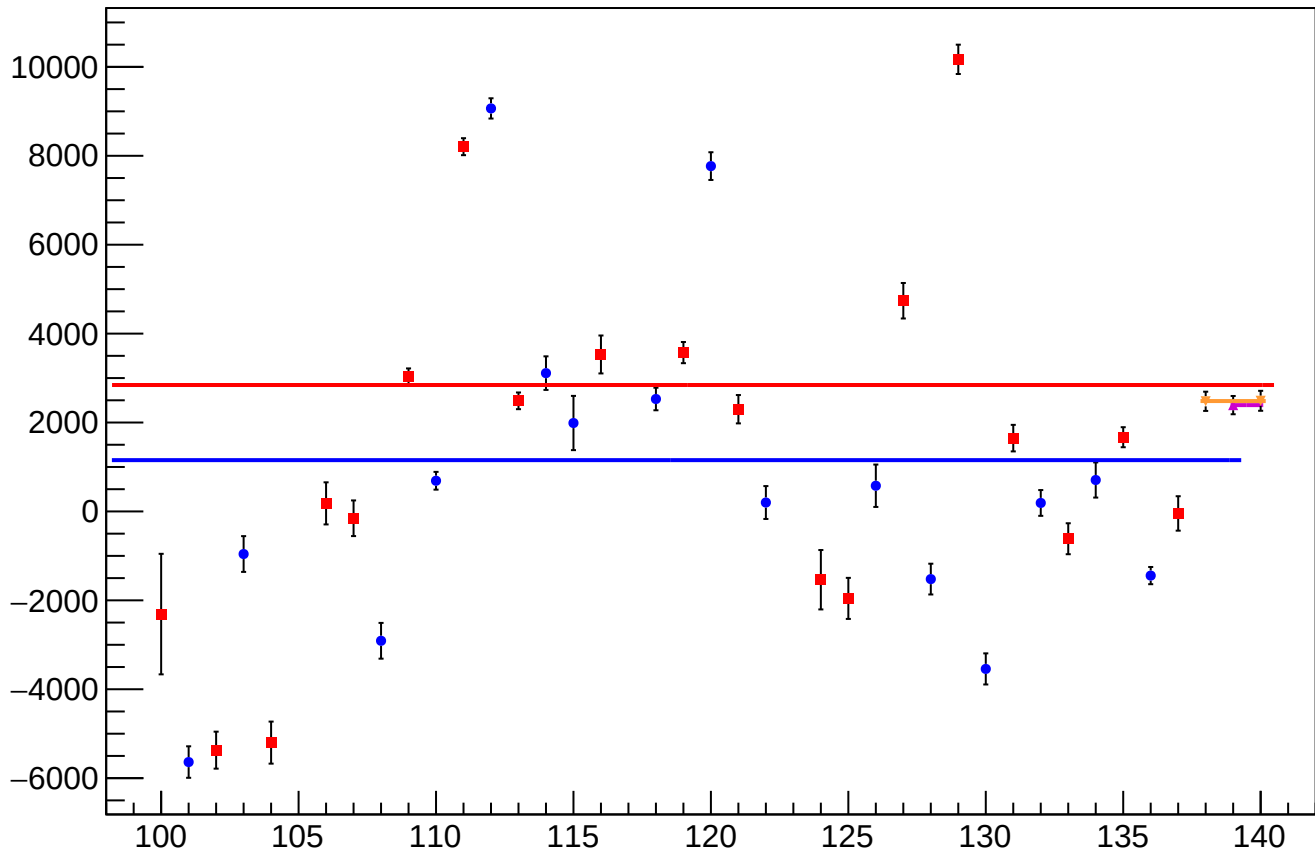
Left In: 181.095 $\pm$ 0.141 χ^2 /NDF:0.0/0

+ sign 180.154 $\pm$ 0.044 χ^2 /NDF: 686046.2/17

All: 174.755 $\pm$ 0.031 χ^2 /NDF: 1701918.2/37

- sign 169.556 $\pm$ 0.044 χ^2 /NDF: 986896.6/19

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF : 0.0/1

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

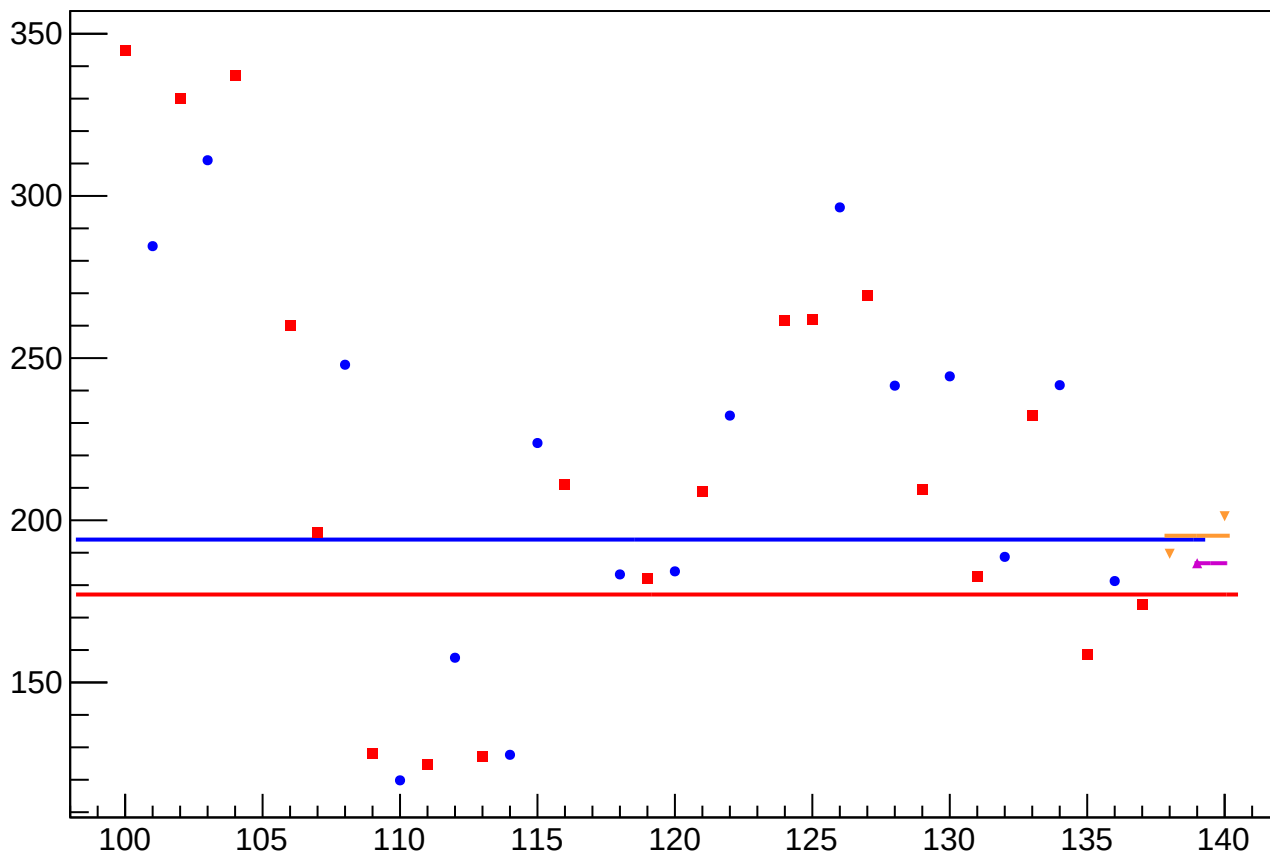
Left In: 2391.514+/-205.447 χ^2/NDF : 0.0/0

+ sign 1409.069+/-68.274 χ^2/NDF : 2714.1/17

All: 2131.966+/-47.276 χ^2/NDF : 5387.0/37

- sign 2797.874+/-65.528 χ^2/NDF : 2457.5/19

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF : 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF : 2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF : 1359345.8/18

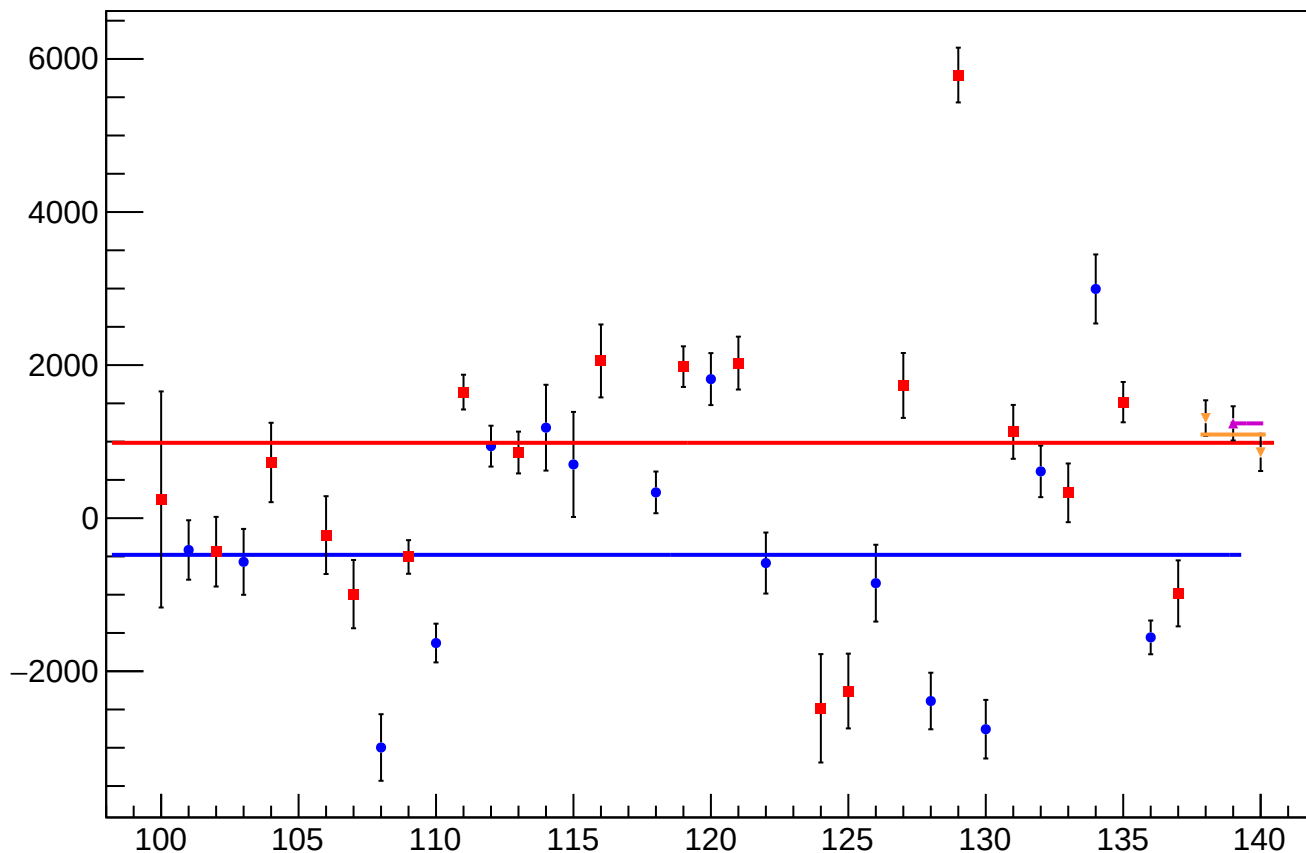
Left In: 186.765+/-0.145 χ^2/NDF : 0.0/0

+ sign 194.281+/-0.048 χ^2/NDF : 968633.2/17

All: 185.857+/-0.033 χ^2/NDF : 2390441.8/37

- sign 178.097+/-0.046 χ^2/NDF : 1363309.0/19

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 1092.736 ± 168.291 χ^2/NDF : 1.8/1

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

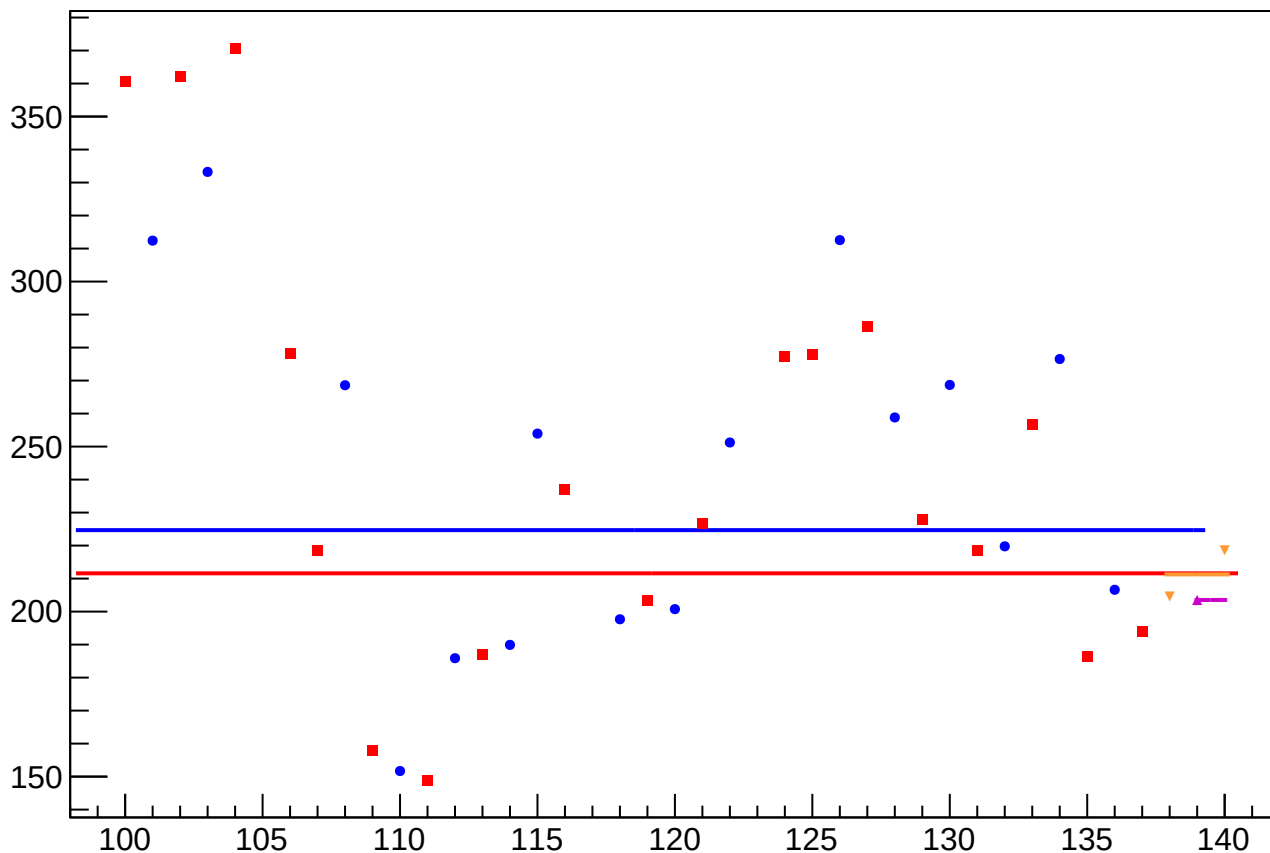
Left In: 1238.389 ± 223.636 χ^2/NDF : 0.0/0

+ sign -149.670 ± 77.063 χ^2/NDF : 376.2/17

All: 439.332 ± 54.153 χ^2/NDF : 890.9/37

- sign 1013.907 ± 76.113 χ^2/NDF : 399.3/19

asym_bpm0i07WS_rms vs Slug



Right In: 224.683 $\pm$ 0.061 χ^2 /NDF: 653193.4/15

Left Out: 211.264 $\pm$ 0.119 χ^2 /NDF: 3450.7/1

Right Out: 211.595 $\pm$ 0.057 χ^2 /NDF: 932902.5/18

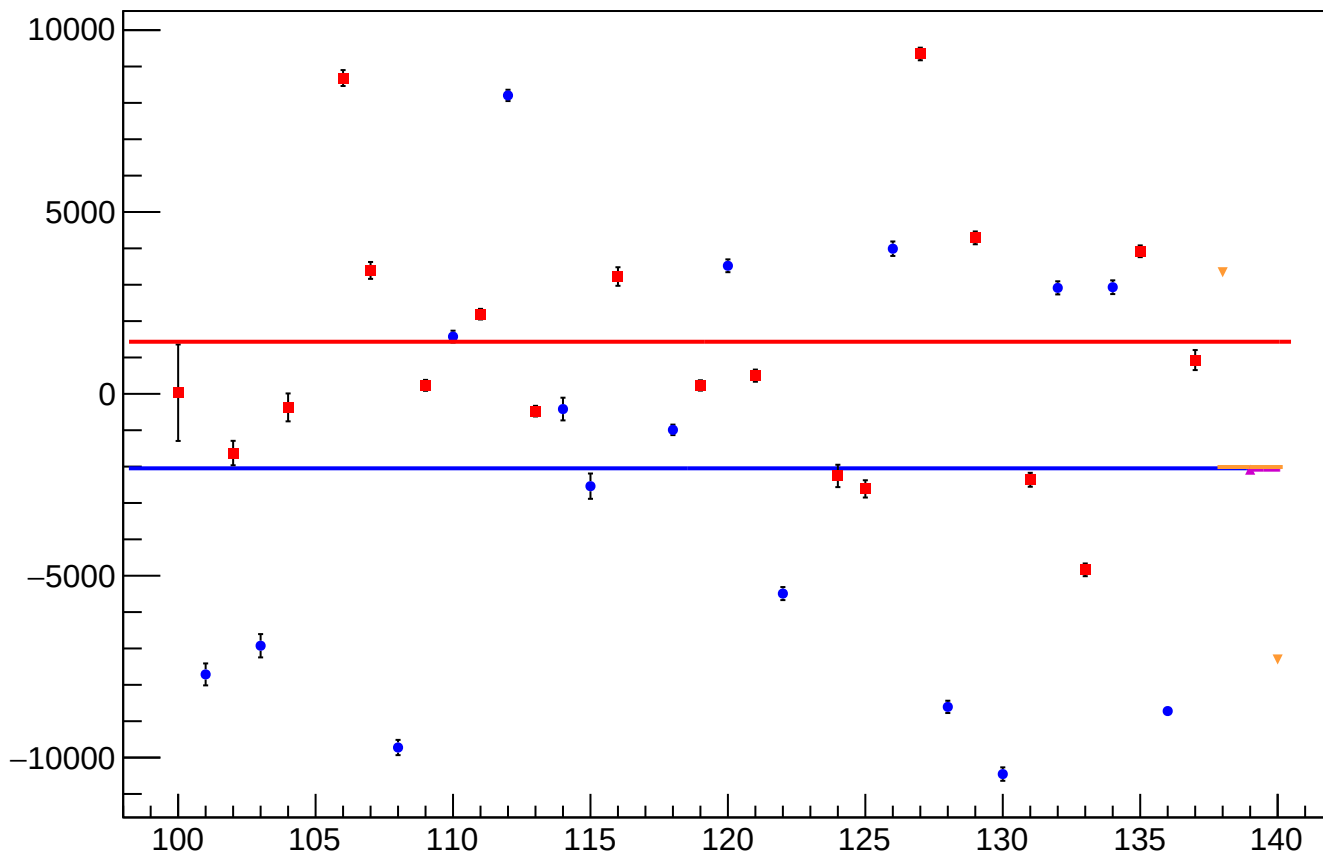
Left In: 203.521 $\pm$ 0.158 χ^2 /NDF: 0.0/0

+ sign 221.869 $\pm$ 0.054 χ^2 /NDF: 666692.6/17

All: 216.195 $\pm$ 0.038 χ^2 /NDF: 1623320.4/37

- sign 210.660 $\pm$ 0.054 χ^2 /NDF: 935207.5/19

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267 ± 46.722 $\chi^2/\text{NDF}: 16709.1/15$

Left Out: -2011.424 ± 89.913 $\chi^2/\text{NDF}: 3505.0/1$

Right Out: 1432.909 ± 44.729 $\chi^2/\text{NDF}: 6387.8/18$

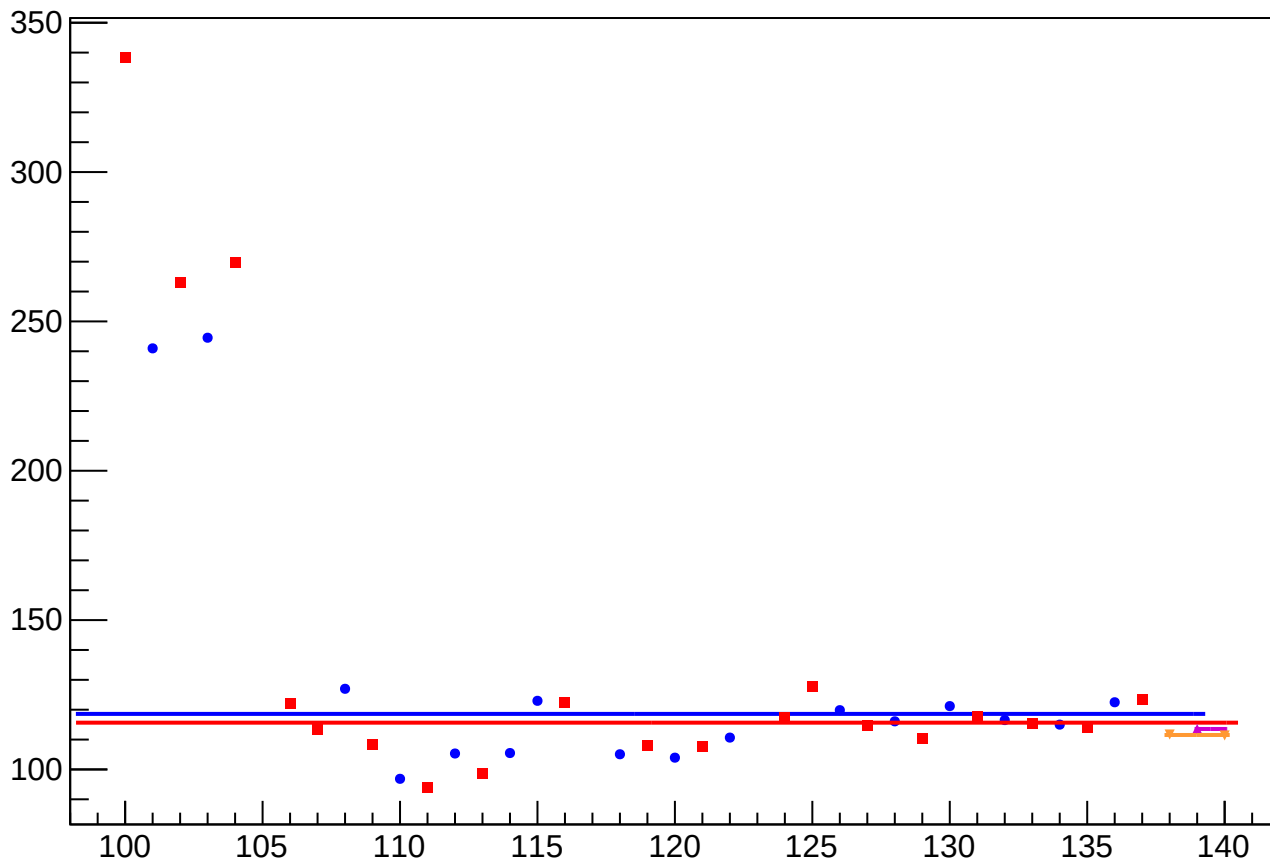
Left In: -2084.461 ± 126.561 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2039.646 ± 41.459 $\chi^2/\text{NDF}: 20214.2/17$

All: -524.961 ± 29.565 $\chi^2/\text{NDF}: 30004.6/37$

- sign 1042.354 ± 42.173 $\chi^2/\text{NDF}: 7074.4/19$

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF : 734158.7/15

Left Out: 111.537+/-0.064 χ^2/NDF : 6.2/1

Right Out: 115.660+/-0.032 χ^2/NDF : 864206.3/18

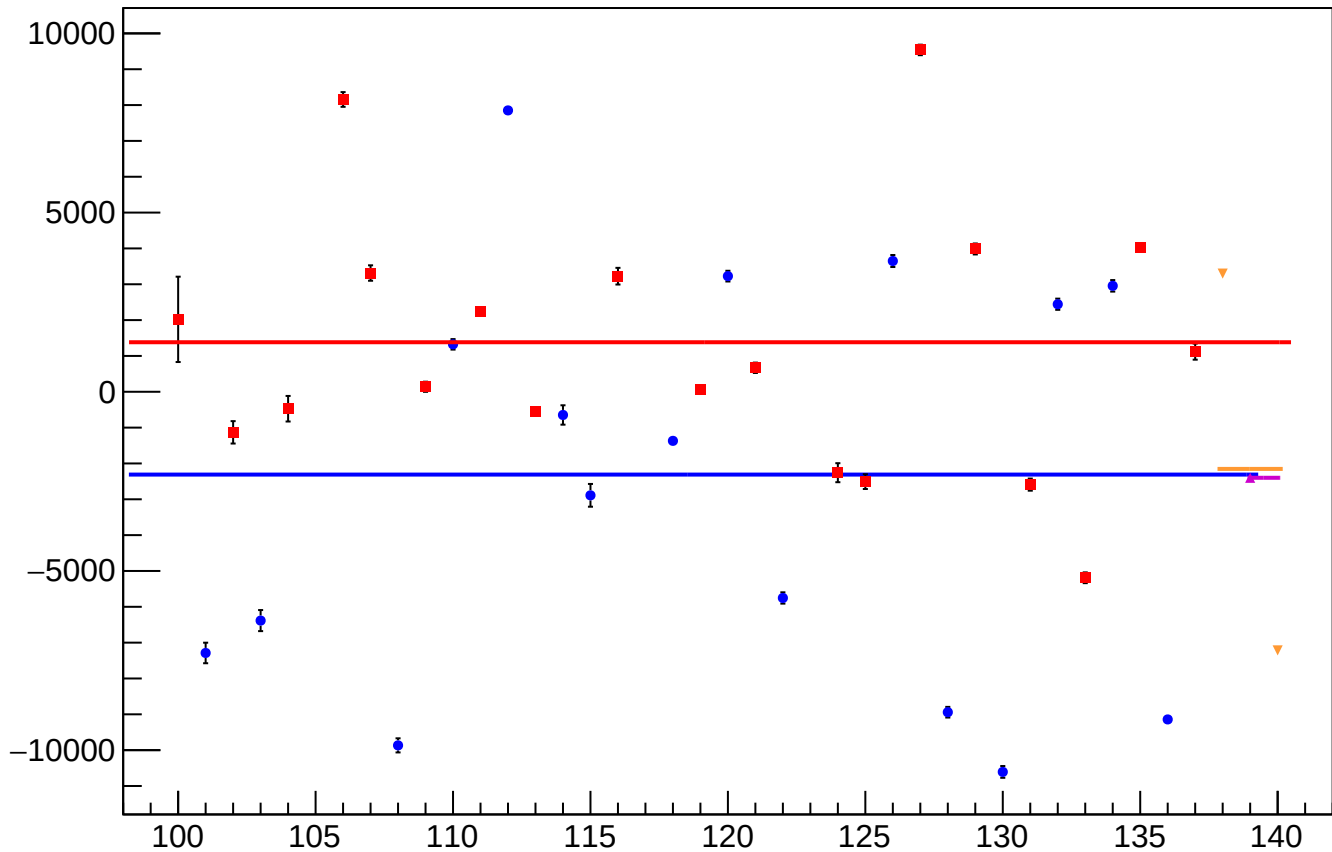
Left In: 113.548+/-0.089 χ^2/NDF : 0.0/0

+ sign 117.095+/-0.029 χ^2/NDF : 743871.1/17

All: 116.274+/-0.021 χ^2/NDF : 1610166.7/37

- sign 115.425+/-0.030 χ^2/NDF : 864701.0/19

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581 ± 40.734 $\chi^2/\text{NDF}: 21679.5/15$

Left Out: -2152.385 ± 81.202 $\chi^2/\text{NDF}: 4185.3/1$

Right Out: 1382.178 ± 39.342 $\chi^2/\text{NDF}: 8578.9/18$

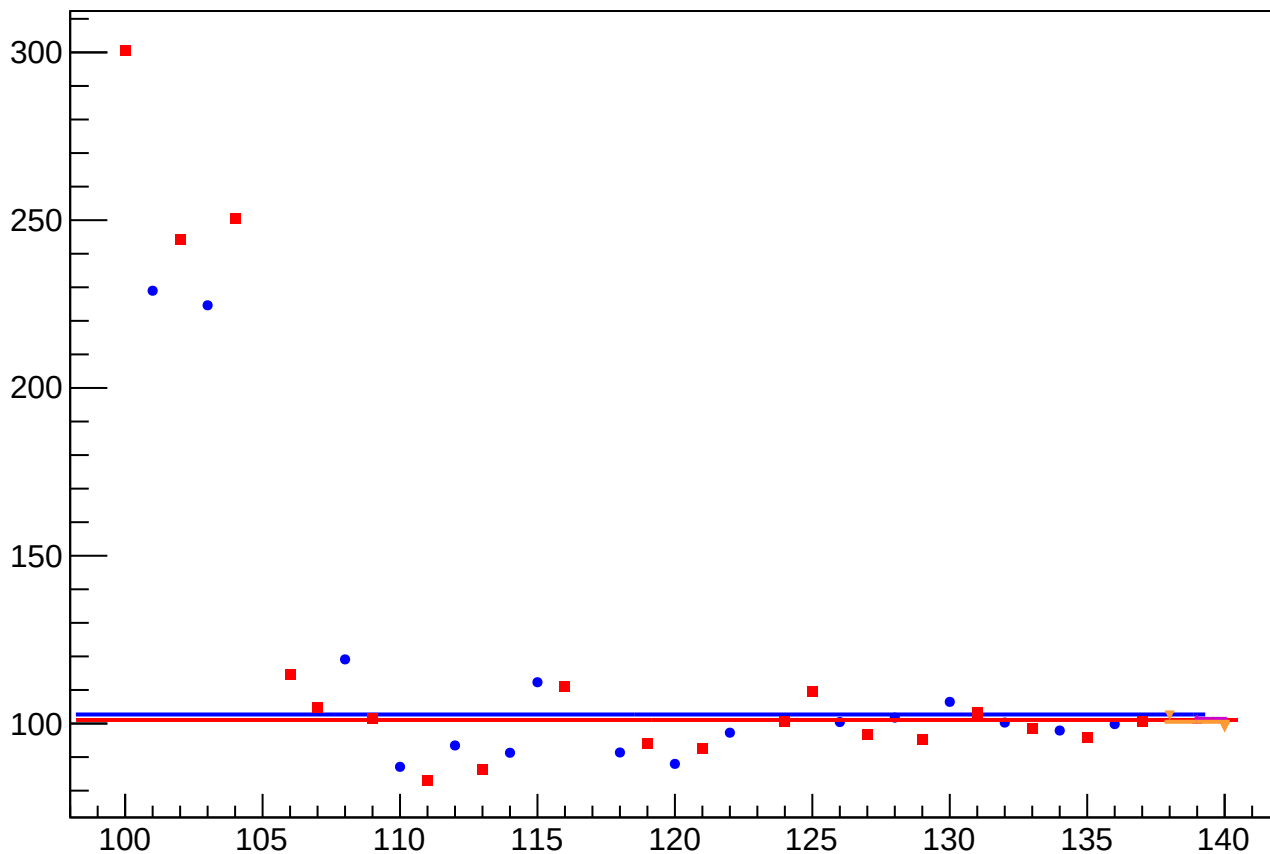
Left In: -2399.984 ± 113.301 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2278.776 ± 36.410 $\chi^2/\text{NDF}: 25867.8/17$

All: -685.161 ± 26.009 $\chi^2/\text{NDF}: 39352.8/37$

- sign 975.229 ± 37.165 $\chi^2/\text{NDF}: 9573.3/19$

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF : 825801.5/15

Left Out: 100.525+/-0.057 χ^2/NDF :984.1/1

Right Out: 101.063+/-0.028 χ^2/NDF : 930458.1/18

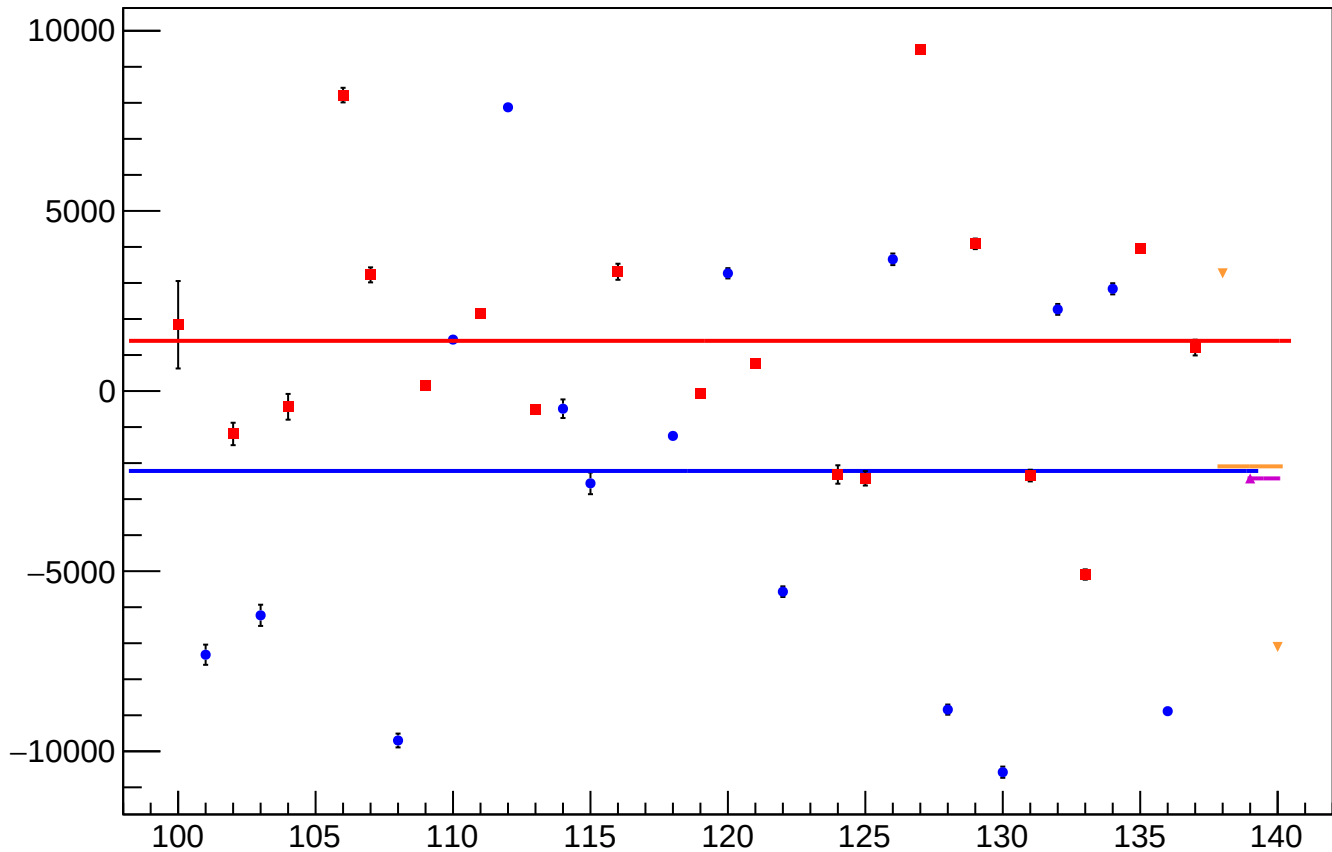
Left In: 101.391+/-0.080 χ^2/NDF :0.0/0

+ sign 102.258+/-0.026 χ^2/NDF : 827925.8/17

All: 101.690+/-0.018 χ^2/NDF : 1759391.4/37

- sign 101.099+/-0.026 χ^2/NDF : 930473.1/19

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049 ± 39.039 $\chi^2/\text{NDF}: 23040.7/15$

Left Out: -2090.663 ± 78.291 $\chi^2/\text{NDF}: 4382.3/1$

Right Out: 1393.557 ± 37.580 $\chi^2/\text{NDF}: 9152.1/18$

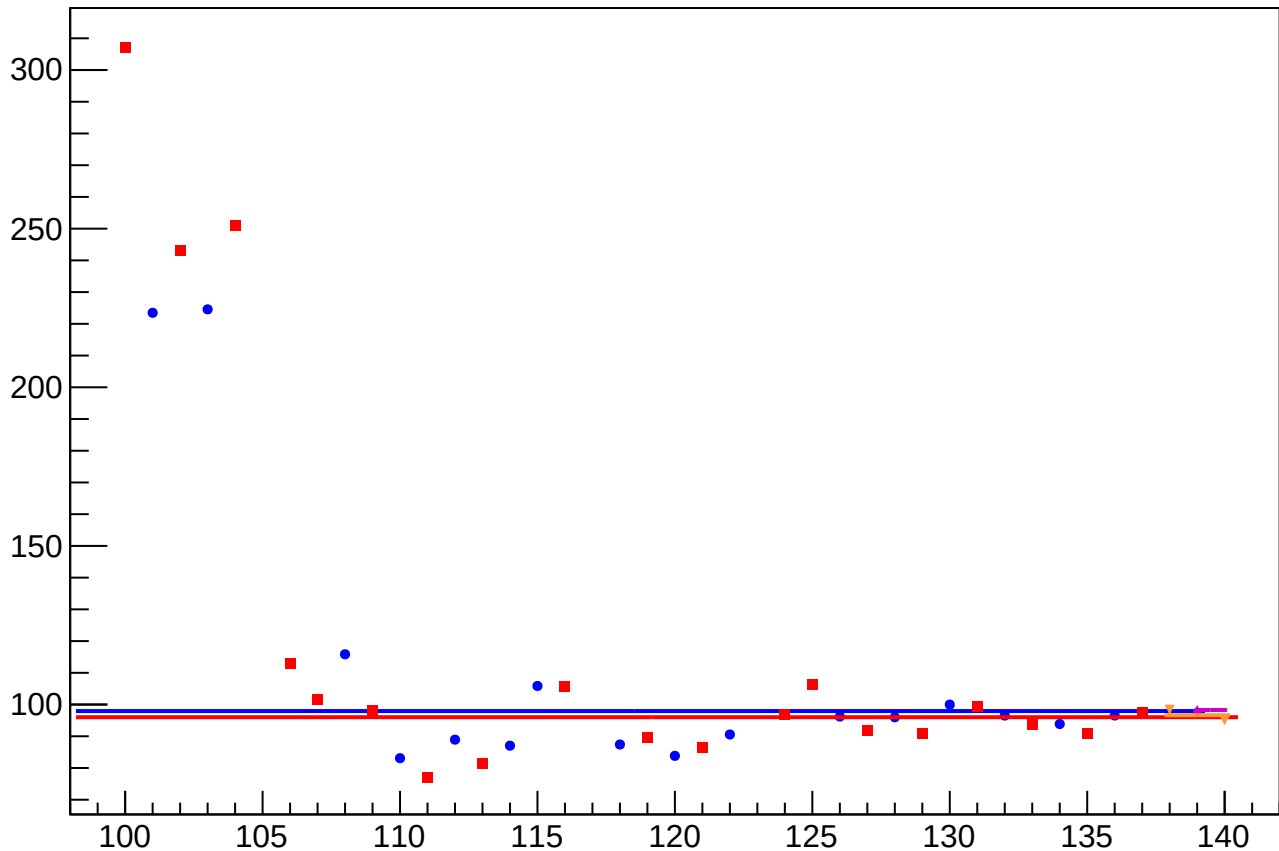
Left In: -2424.663 ± 109.996 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2192.682 ± 34.936 $\chi^2/\text{NDF}: 27425.1/17$

All: -627.371 ± 24.922 $\chi^2/\text{NDF}: 41743.6/37$

- sign 994.468 ± 35.562 $\chi^2/\text{NDF}: 10231.1/19$

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF : 868148.4/15

Left Out: 96.635+/-0.055 χ^2/NDF : 936.0/1

Right Out: 96.005+/-0.027 χ^2/NDF : 1012287.0/18

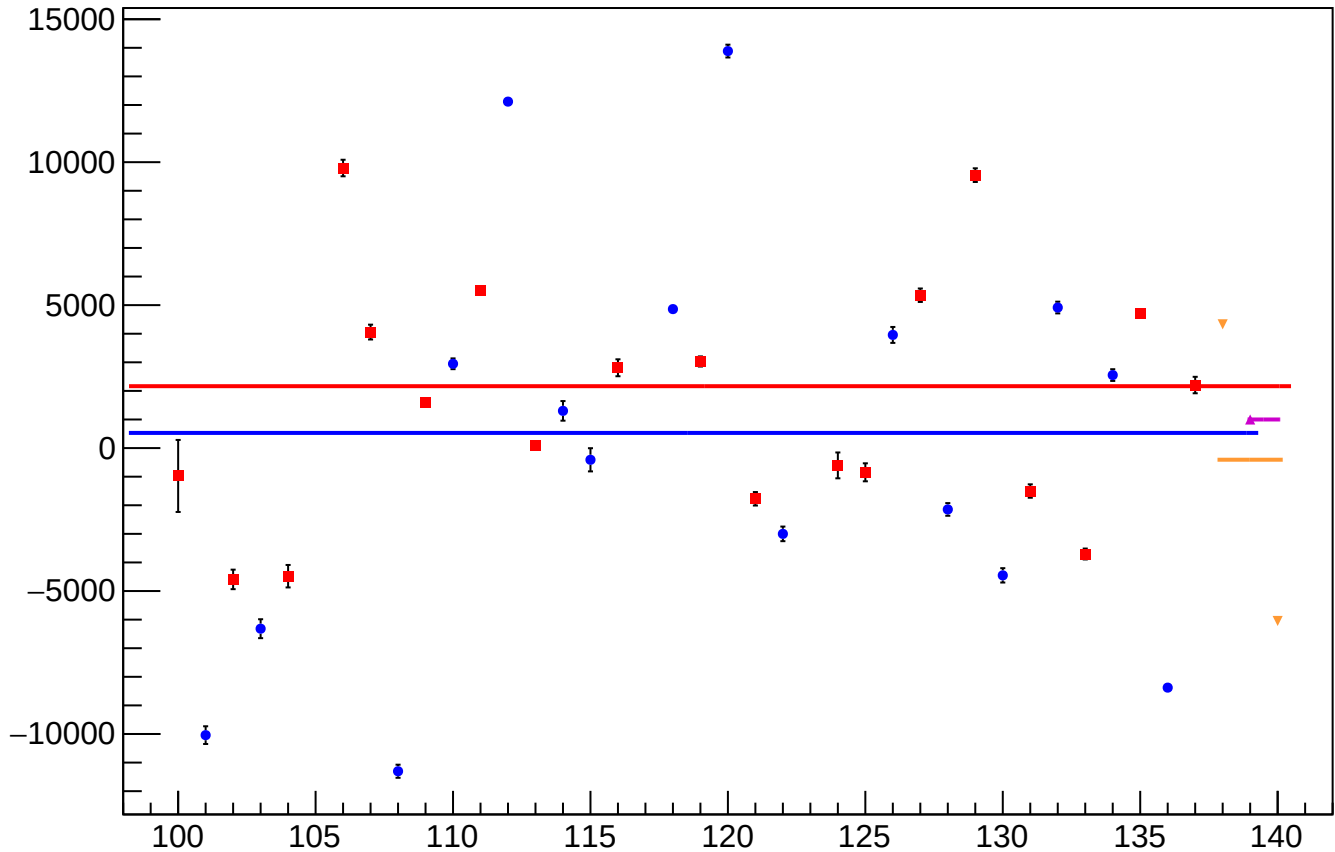
Left In: 98.285+/-0.078 χ^2/NDF : 0.0/0

+ sign 97.683+/-0.025 χ^2/NDF : 869531.9/17

All: 96.976+/-0.018 χ^2/NDF : 1884257.3/37

- sign 96.243+/-0.025 χ^2/NDF : 1013056.7/19

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF : 18587.6/15

Left Out: -406.990+/-114.966 χ^2/NDF : 2020.9/1

Right Out: 2164.994+/-53.458 χ^2/NDF : 4967.1/18

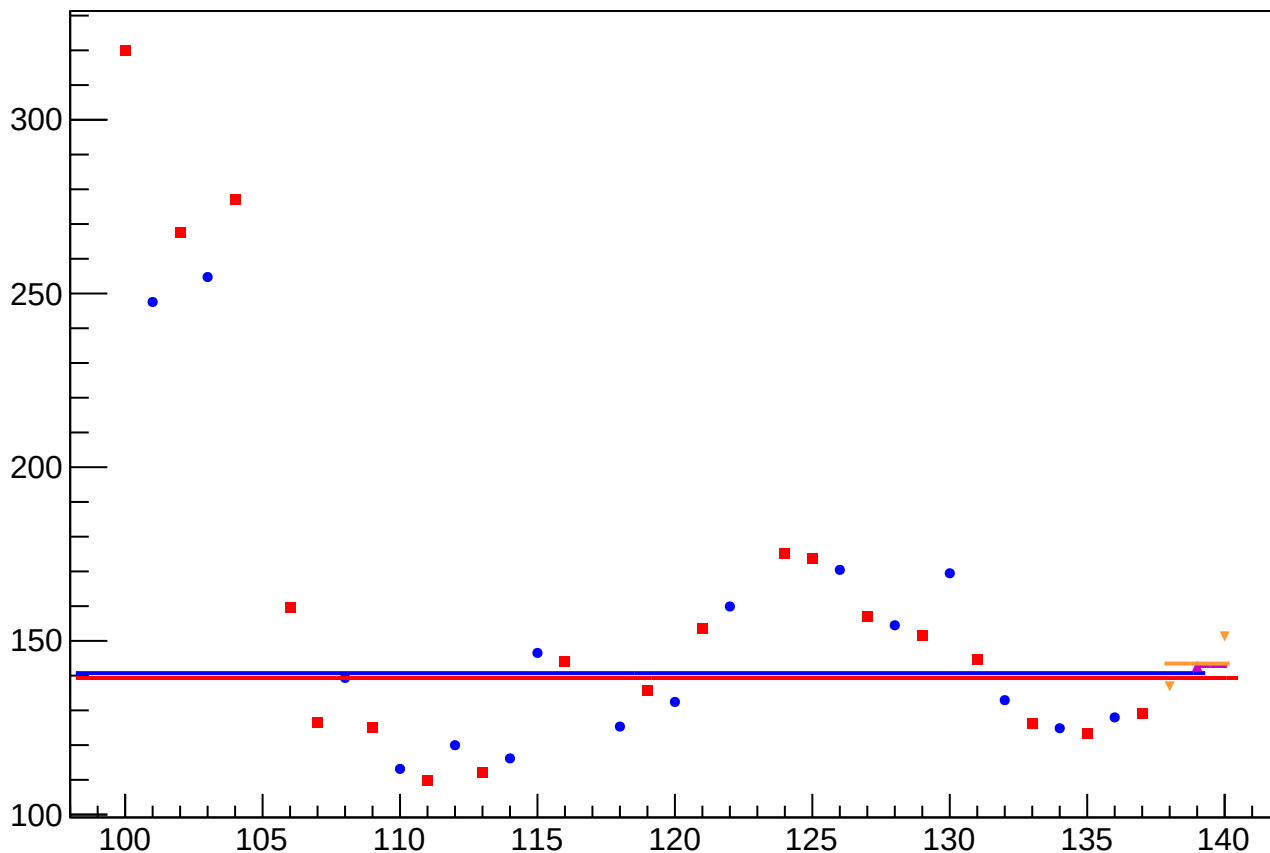
Left In: 1000.219+/-158.267 χ^2/NDF : 0.0/0

+ sign 356.704+/-49.508 χ^2/NDF : 20662.6/17

All: 1182.003+/-35.403 χ^2/NDF : 26247.1/37

- sign 2045.715+/-50.647 χ^2/NDF : 5015.8/19

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF : 675618.7/15

Left Out: 143.478+/-0.081 χ^2/NDF : 7750.5/1

Right Out: 139.317+/-0.038 χ^2/NDF : 802317.0/18

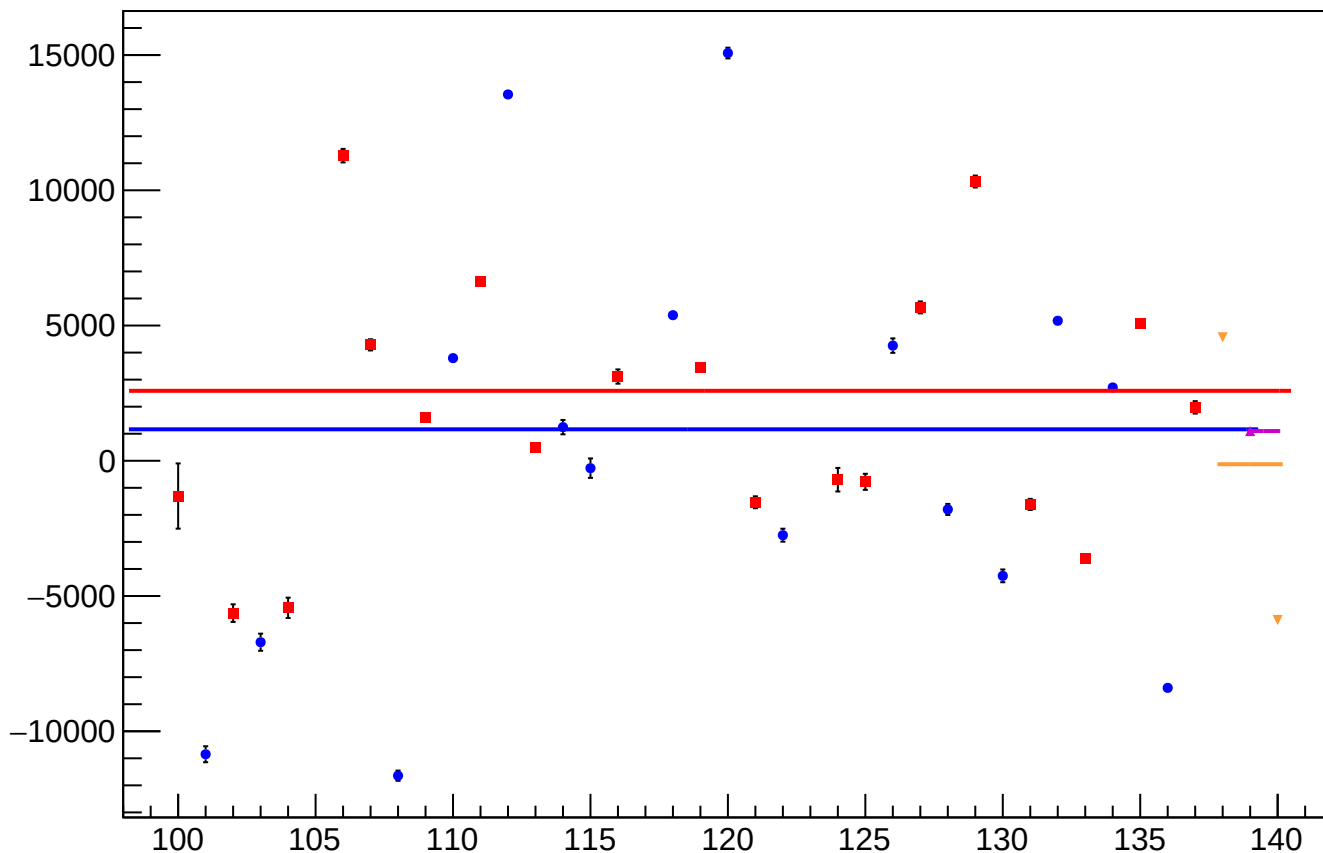
Left In: 142.779+/-0.112 χ^2/NDF : 0.0/0

+ sign 141.228+/-0.035 χ^2/NDF : 684310.3/17

All: 140.467+/-0.025 χ^2/NDF : 1488451.7/37

- sign 139.672+/-0.036 χ^2/NDF : 803175.9/19

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF : 30754.3/15

Left Out: -127.487+/-99.804 χ^2/NDF : 2713.3/1

Right Out: 2586.755+/-44.256 χ^2/NDF : 8099.7/18

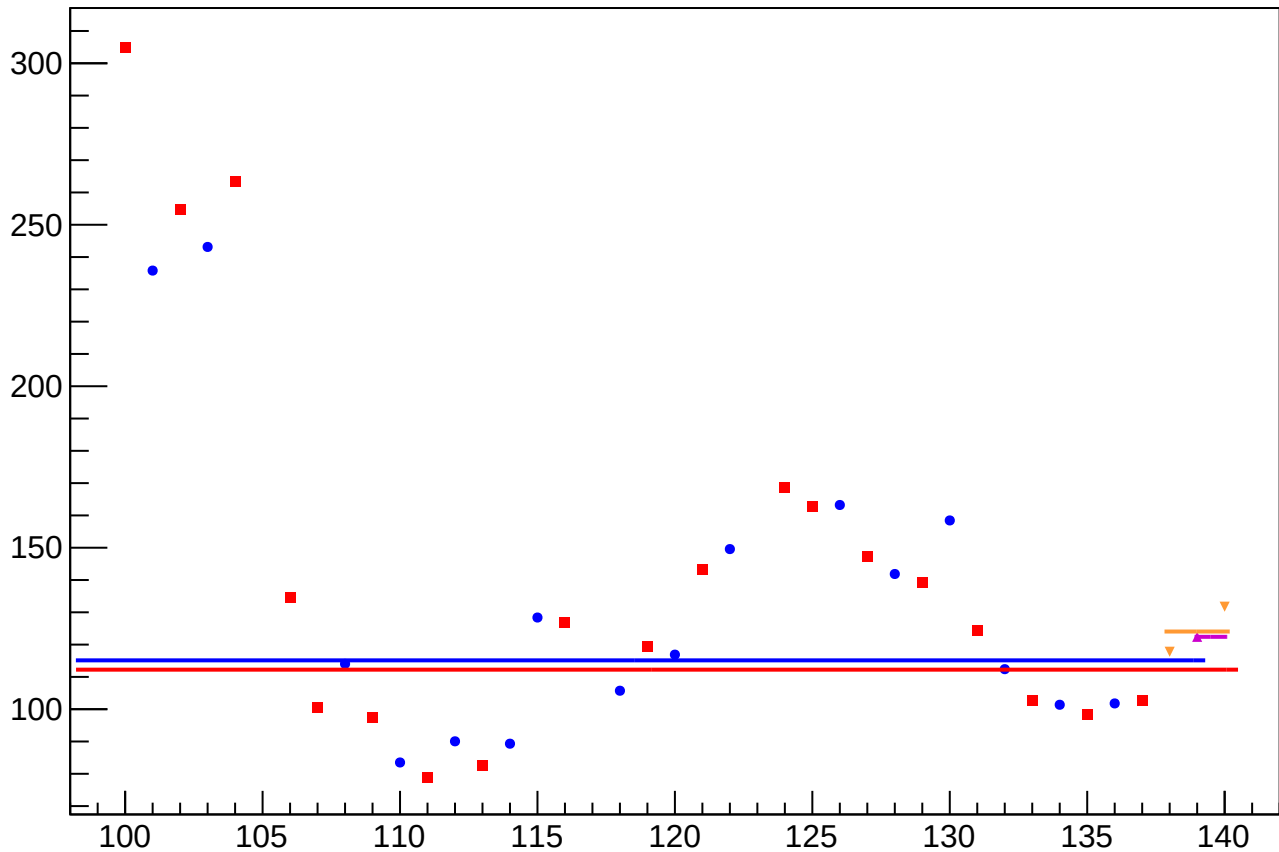
Left In: 1098.896+/-136.194 χ^2/NDF : 0.0/0

+ sign 937.442+/-41.724 χ^2/NDF : 33605.6/17

All: 1684.464+/-29.632 χ^2/NDF : 42460.0/37

- sign 2444.651+/-42.090 χ^2/NDF : 8207.6/19

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF : 1112987.2/15

Left Out: 124.050+/-0.071 χ^2/NDF :9667.6/1

Right Out: 112.241+/-0.031 χ^2/NDF : 1328156.6/18

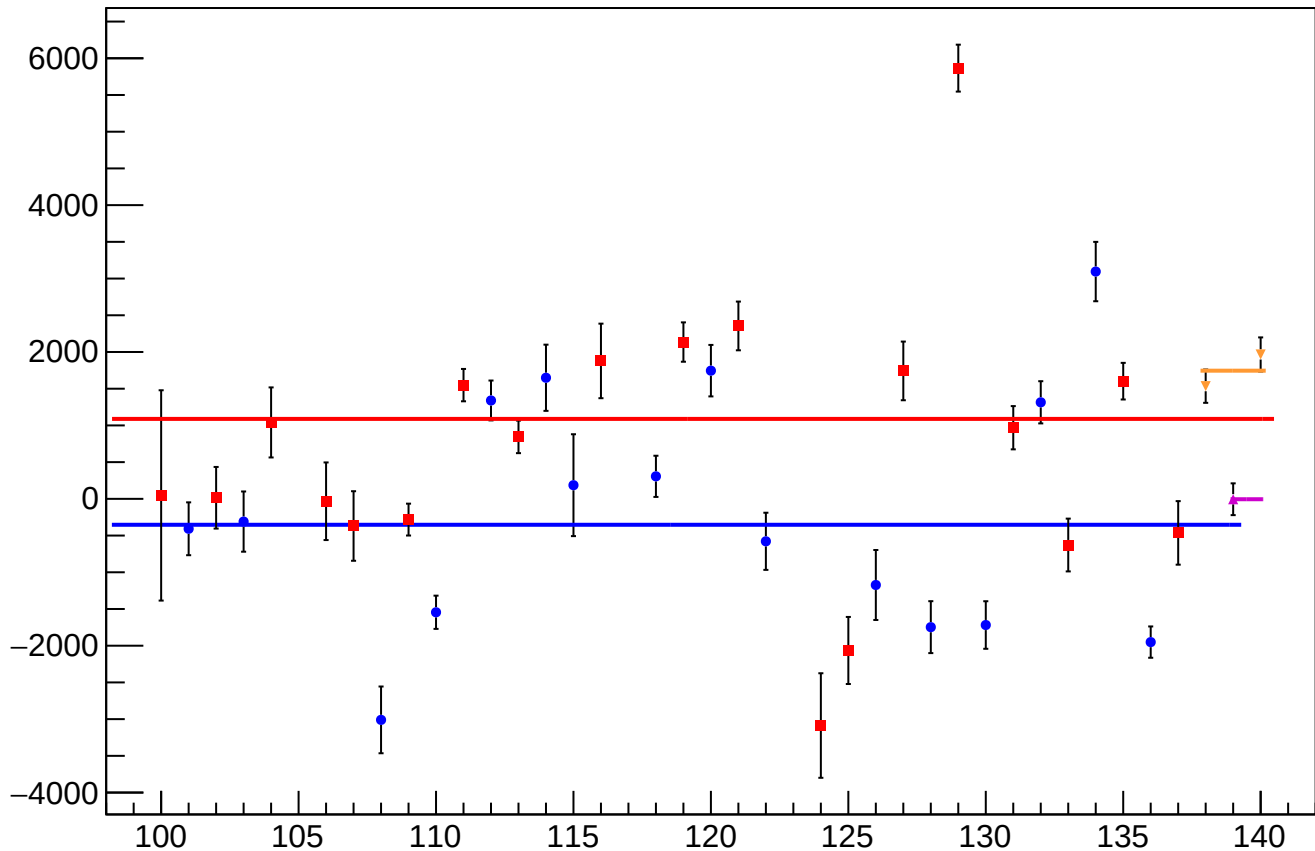
Left In: 122.409+/-0.096 χ^2/NDF :0.0/0

+ sign 116.685+/-0.030 χ^2/NDF : 1135851.8/17

All: 114.964+/-0.021 χ^2/NDF : 2480959.0/37

- sign 113.212+/-0.030 χ^2/NDF : 1338239.7/19

asym_bpm0l01WS_mean vs Slug



Right In: -353.129 ± 82.136 χ^2/NDF : 361.8/15

Left Out: 1745.435 ± 162.218 χ^2/NDF : 1.8/1

Right Out: 1088.752 ± 76.444 χ^2/NDF : 447.2/18

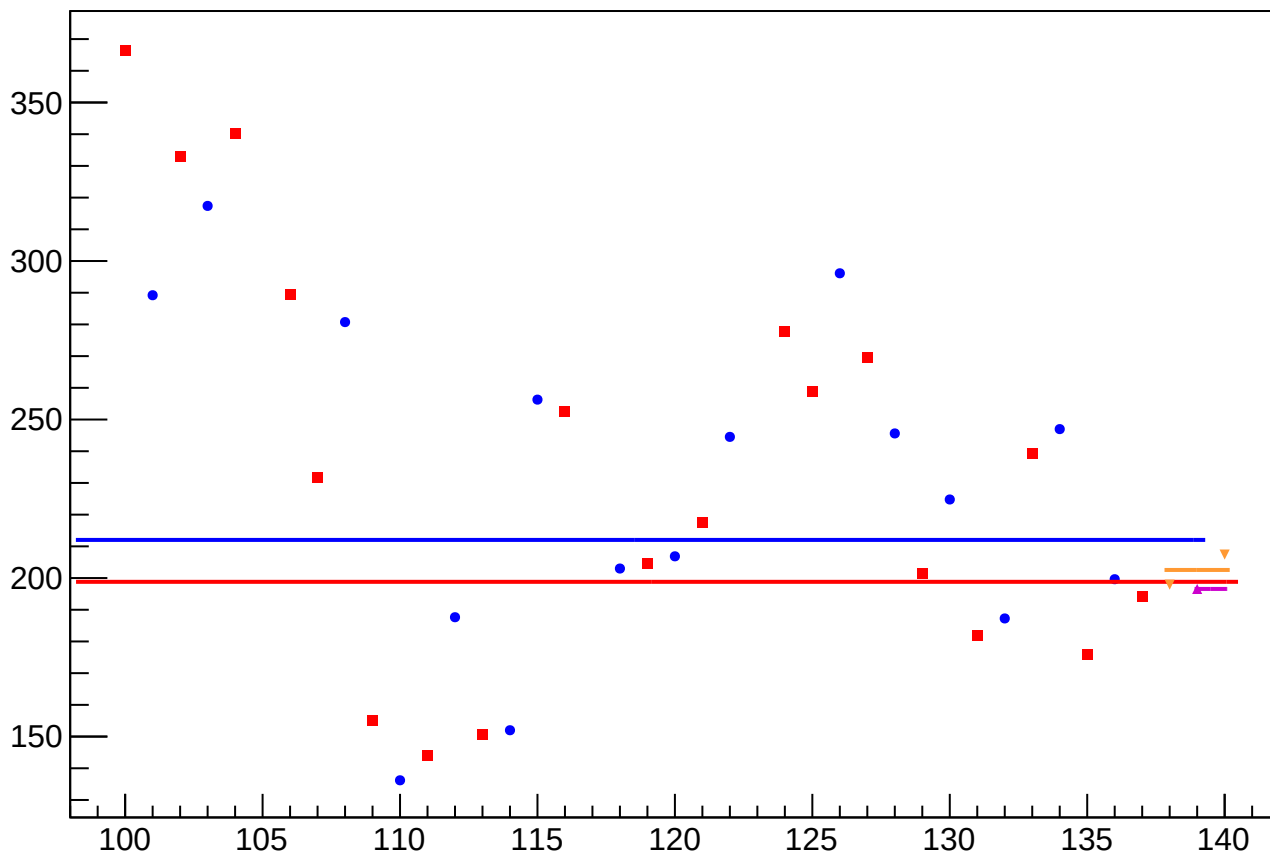
Left In: -5.319 ± 216.376 χ^2/NDF : 0.0/0

+ sign 75.095 ± 73.278 χ^2/NDF : 496.8/17

All: 528.588 ± 51.386 χ^2/NDF : 1042.0/37

- sign 967.348 ± 72.078 χ^2/NDF : 469.9/19

asym_bpm0l01WS_rms vs Slug



Right In: 212.027 $\pm$ 0.058 χ^2 /NDF: 690358.0/15

Left Out: 202.554 $\pm$ 0.115 χ^2 /NDF:1709.8/1

Right Out: 198.809 $\pm$ 0.054 χ^2 /NDF: 974928.4/18

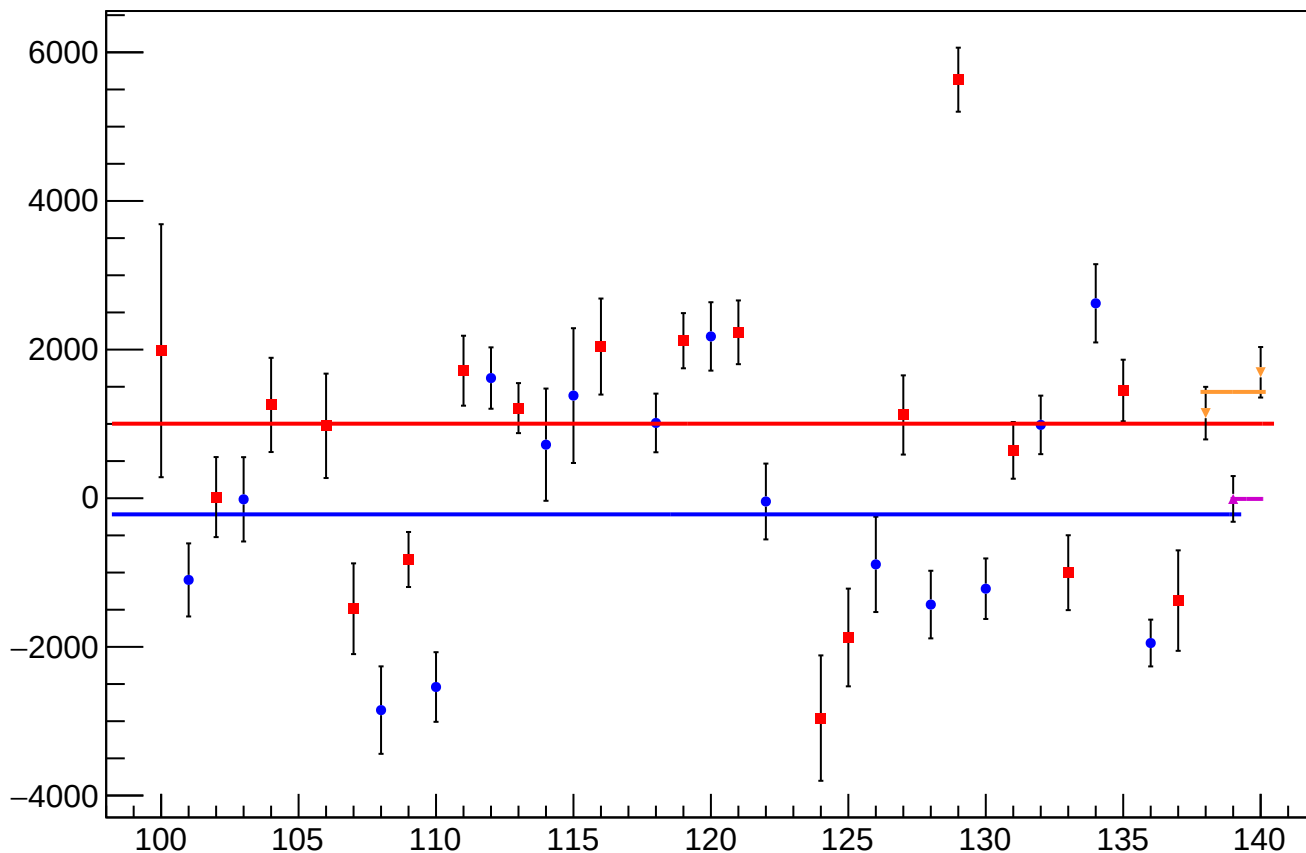
Left In: 196.566 $\pm$ 0.153 χ^2 /NDF:0.0/0

+ sign 210.094 $\pm$ 0.052 χ^2 /NDF: 697496.7/17

All: 204.232 $\pm$ 0.036 χ^2 /NDF: 1697800.2/37

- sign 198.560 $\pm$ 0.051 χ^2 /NDF: 975119.6/19

asym_bpm0l02WS_mean vs Slug



Right In: -216.948±/117.887 χ^2/NDF : 192.2/15

Left Out: 1430.732±/245.030 χ^2/NDF : 1.3/1

Right Out: 1003.049±/113.111 χ^2/NDF : 254.3/18

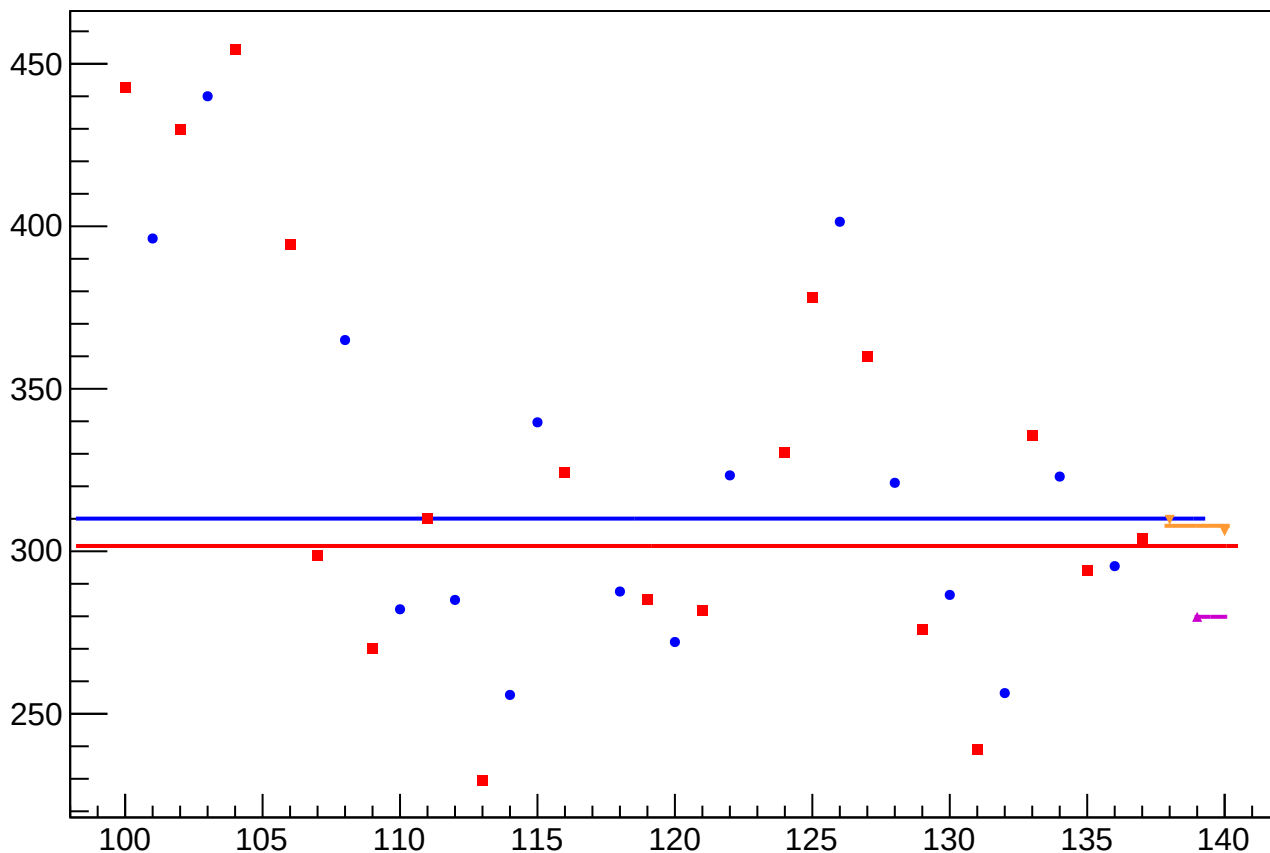
Left In: -9.106±/307.583 χ^2/NDF : 0.0/0

+ sign 92.753±/106.232 χ^2/NDF : 230.2/17

All: 487.882±/75.092 χ^2/NDF : 521.7/37

- sign 882.477±/106.160 χ^2/NDF : 263.9/19

asym_bpm0l02WS_rms vs Slug



Right In: 310.062 $\pm$ 0.083 χ^2 /NDF: 323283.5/15

Left Out: 307.851 $\pm$ 0.173 χ^2 /NDF:101.5/1

Right Out: 301.637 $\pm$ 0.080 χ^2 /NDF: 519888.9/18

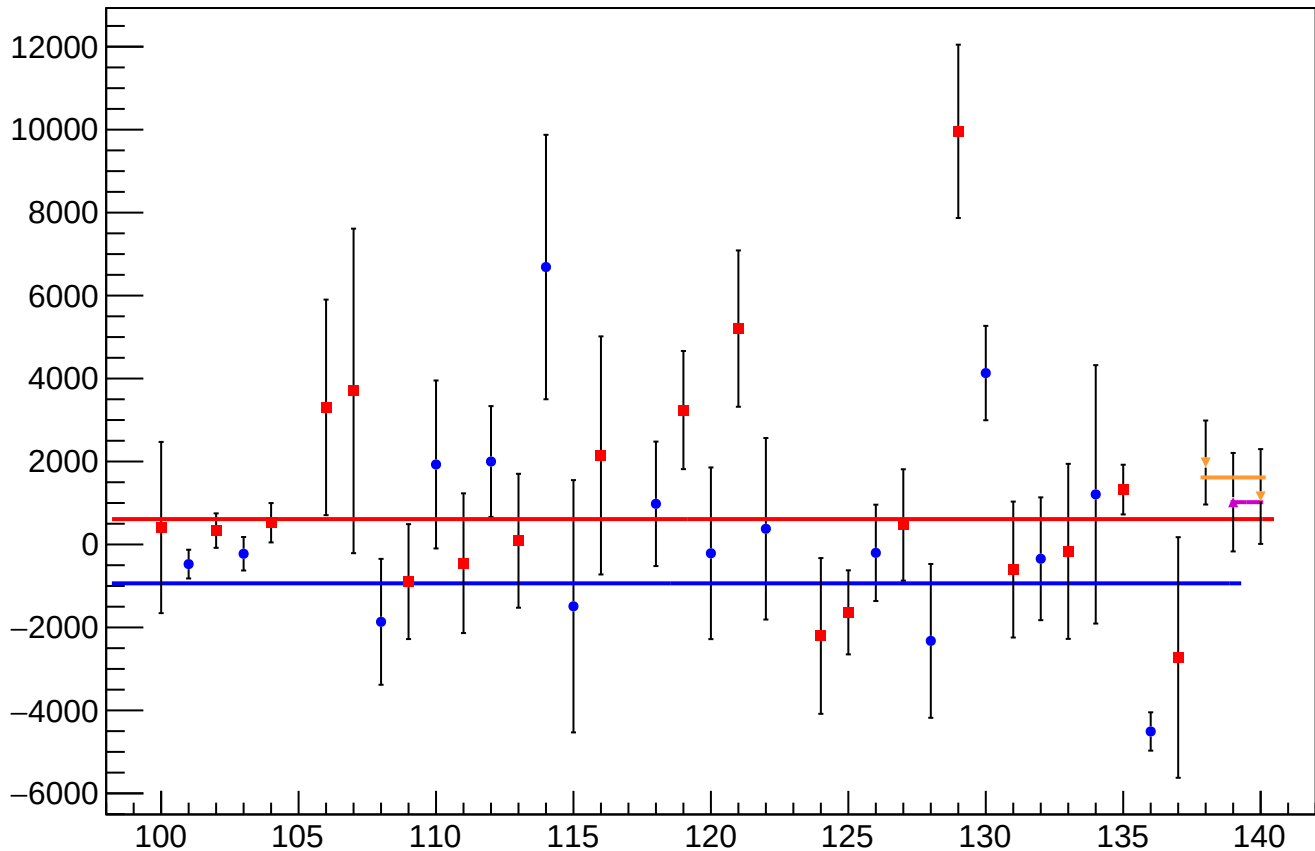
Left In: 279.843 $\pm$ 0.217 χ^2 /NDF:0.0/0

+ sign 309.646 $\pm$ 0.075 χ^2 /NDF: 323517.1/17

All: 304.340 $\pm$ 0.053 χ^2 /NDF: 862224.4/37

- sign 299.041 $\pm$ 0.075 χ^2 /NDF: 528733.7/19

asym_bpm0l03WS_mean vs Slug



Right In: -936.949 ± 204.717 χ^2/NDF : 101.2/15

Left Out: 1615.179 ± 757.667 χ^2/NDF : 0.3/1

Right Out: 611.668 ± 233.144 χ^2/NDF : 44.1/18

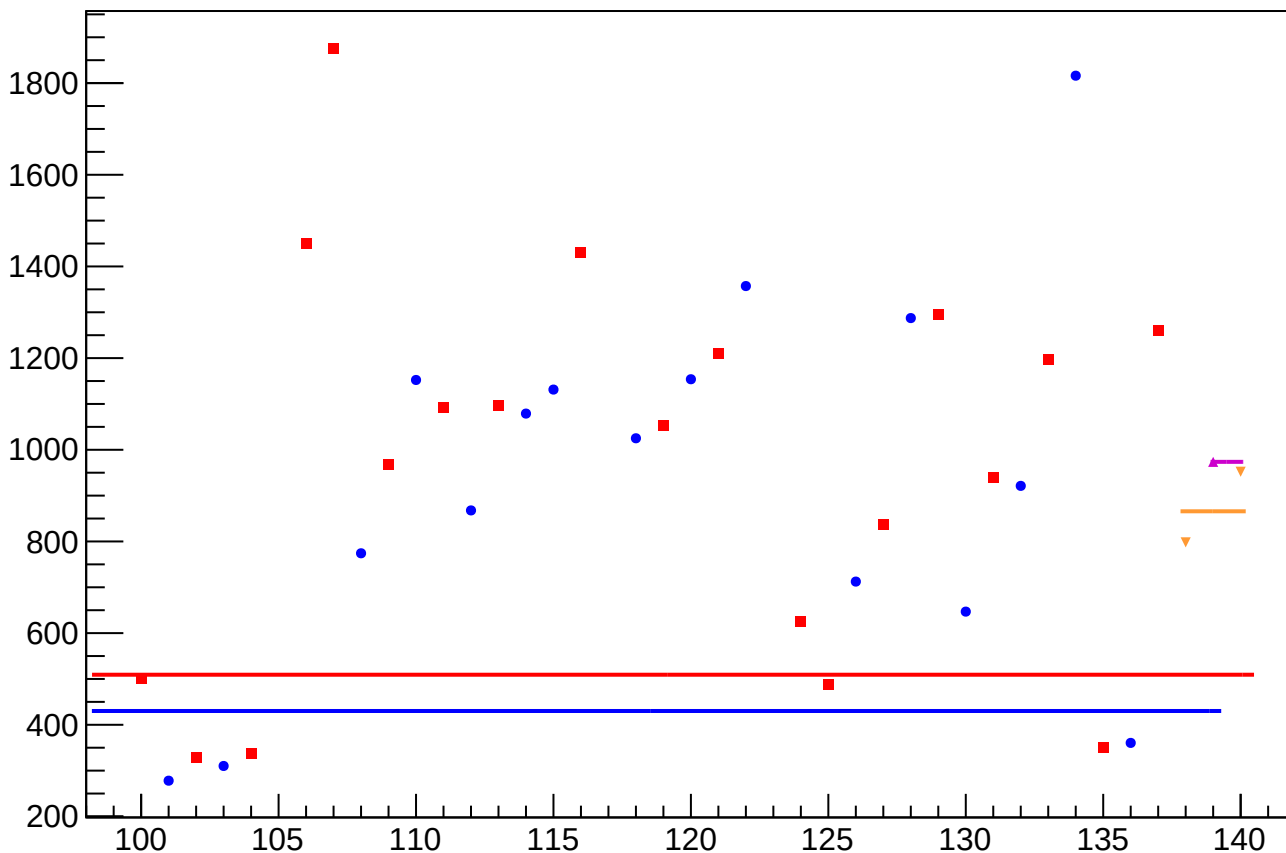
Left In: 1019.398 ± 1187.108 χ^2/NDF : 0.0/0

+ sign -763.309 ± 197.630 χ^2/NDF : 112.1/17

All: -169.243 ± 149.554 χ^2/NDF : 177.4/37

- sign 626.811 ± 228.774 χ^2/NDF : 44.2/19

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF : 3521861.8/15

Left Out: 865.782+/-0.536 χ^2/NDF : 20385.7/1

Right Out: 509.236+/-0.165 χ^2/NDF : 3673425.8/18

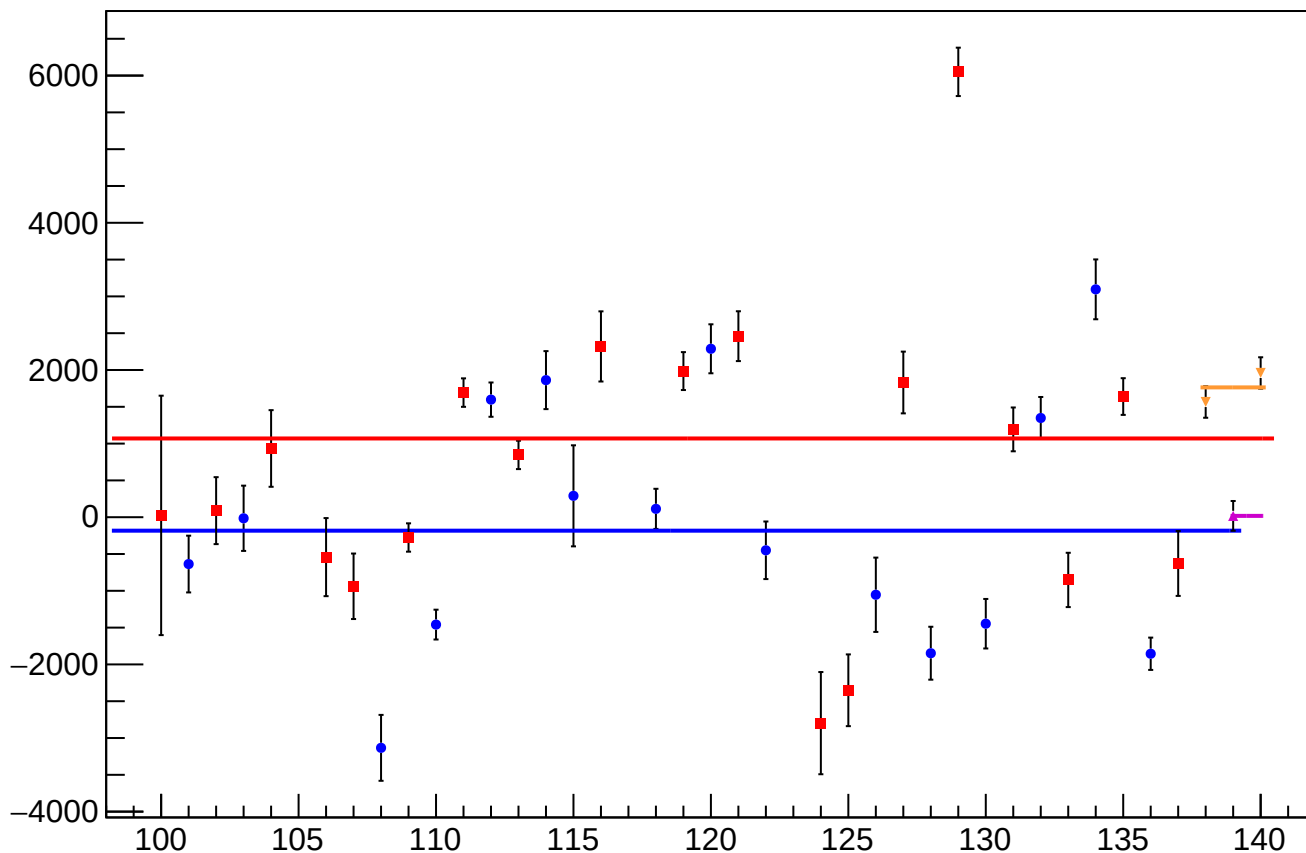
Left In: 973.674+/-0.839 χ^2/NDF : 0.0/0

+ sign 459.752+/-0.140 χ^2/NDF : 4158545.0/17

All: 488.270+/-0.106 χ^2/NDF : 8224180.4/37

- sign 526.485+/-0.162 χ^2/NDF : 3968185.7/19

asym_bpm0l04WS_mean vs Slug



Right In: -183.020 ± 79.863 χ^2/NDF : 417.7/15

Left Out: 1763.629 ± 151.004 χ^2/NDF : 1.7/1

Right Out: 1069.729 ± 73.060 χ^2/NDF : 492.3/18

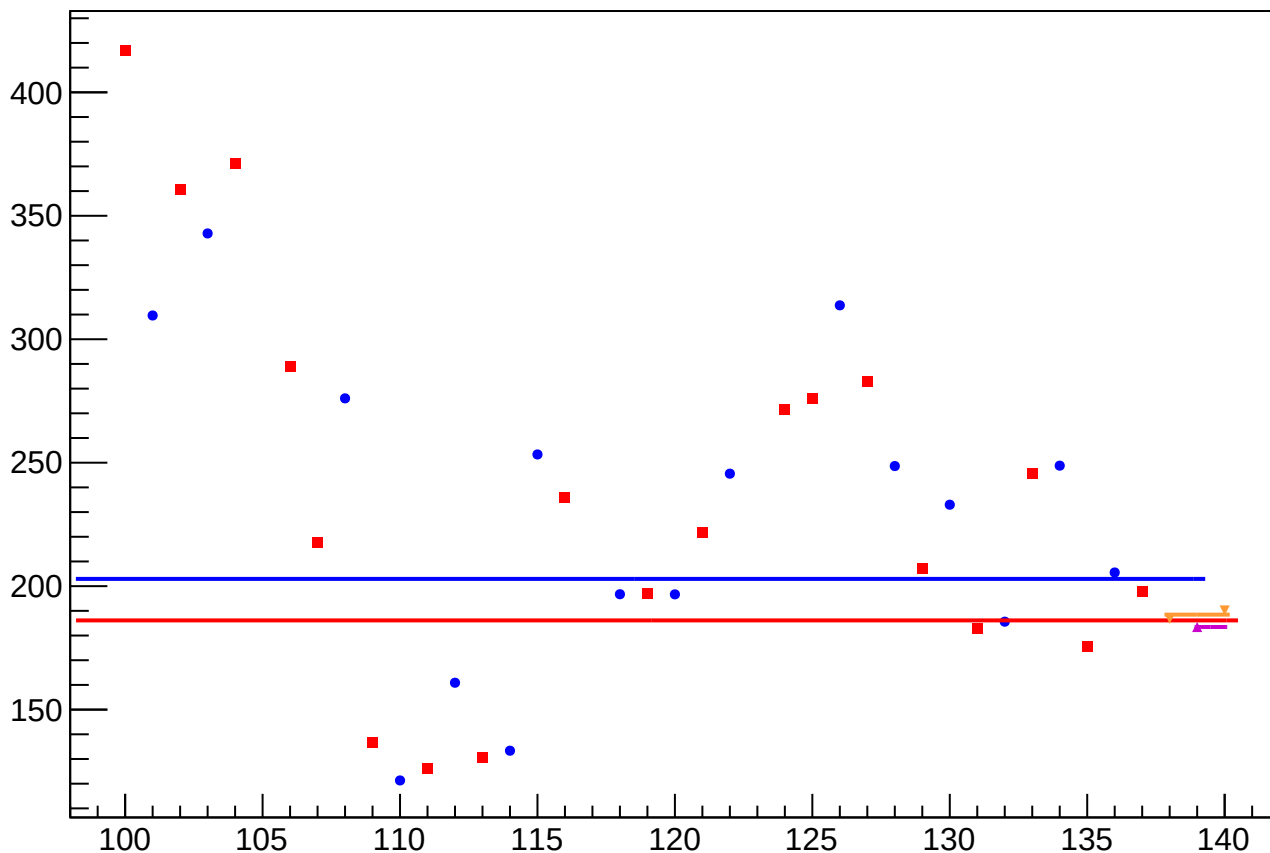
Left In: 17.996 ± 202.281 χ^2/NDF : 0.0/0

+ sign 242.471 ± 70.598 χ^2/NDF : 549.3/17

All: 604.949 ± 49.241 χ^2/NDF : 1116.8/37

- sign 948.360 ± 68.716 χ^2/NDF : 516.2/19

asym_bpm0l04WS_rms vs Slug



Right In: 202.941 $\pm$ 0.056 χ^2 /NDF: 1071859.2/15

Left Out: 188.466 $\pm$ 0.107 χ^2 /NDF: 253.5/1

Right Out: 186.129 $\pm$ 0.052 χ^2 /NDF: 1481664.4/18

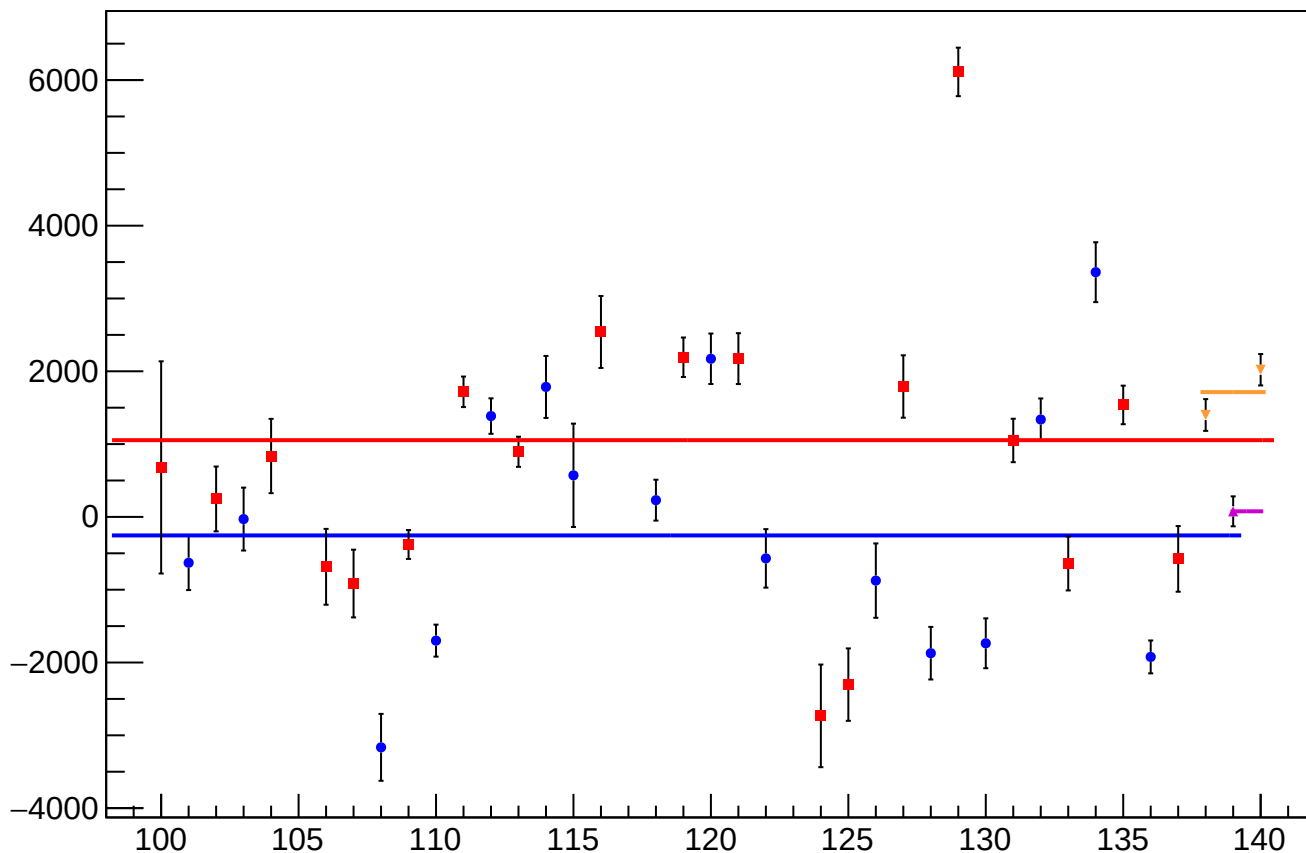
Left In: 183.456 $\pm$ 0.143 χ^2 /NDF: 0.0/0

+ sign 199.777 $\pm$ 0.050 χ^2 /NDF: 1086473.7/17

All: 192.610 $\pm$ 0.035 χ^2 /NDF: 2608587.0/37

- sign 185.820 $\pm$ 0.049 χ^2 /NDF: 1481973.4/19

asym_bpm0l05WS_mean vs Slug



Right In: -254.470 ± 82.490 $\chi^2/\text{NDF}: 409.3/15$

Left Out: 1713.957 ± 153.328 $\chi^2/\text{NDF}: 4.1/1$

Right Out: 1053.731 ± 75.969 $\chi^2/\text{NDF}: 477.7/18$

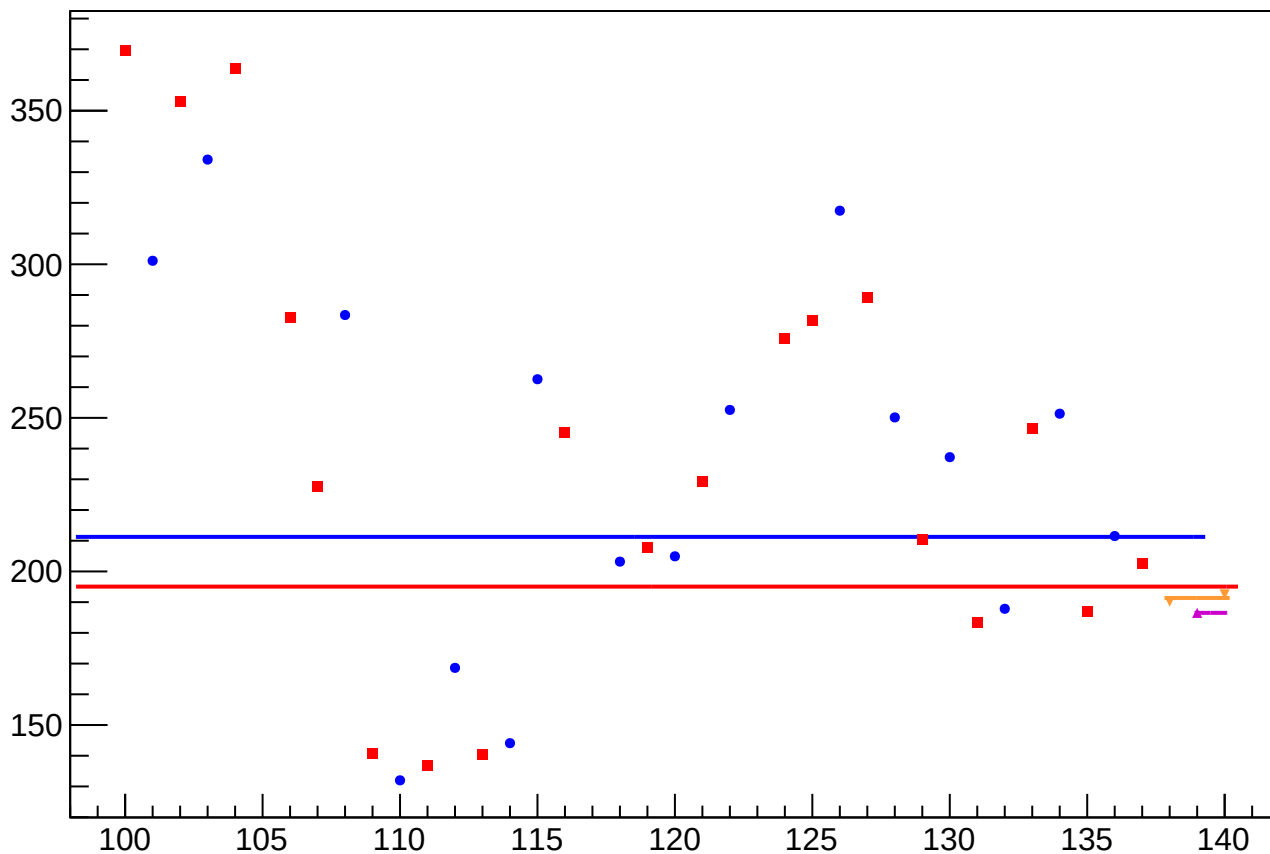
Left In: 76.588 ± 205.567 $\chi^2/\text{NDF}: 0.0/0$

+ sign 187.380 ± 72.644 $\chi^2/\text{NDF}: 541.2/17$

All: 569.055 ± 50.870 $\chi^2/\text{NDF}: 1092.9/37$

- sign 936.314 ± 71.259 $\chi^2/\text{NDF}: 497.5/19$

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF : 884363.6/15

Left Out: 191.364+/-0.108 χ^2/NDF : 119.8/1

Right Out: 195.061+/-0.054 χ^2/NDF : 1284879.9/18

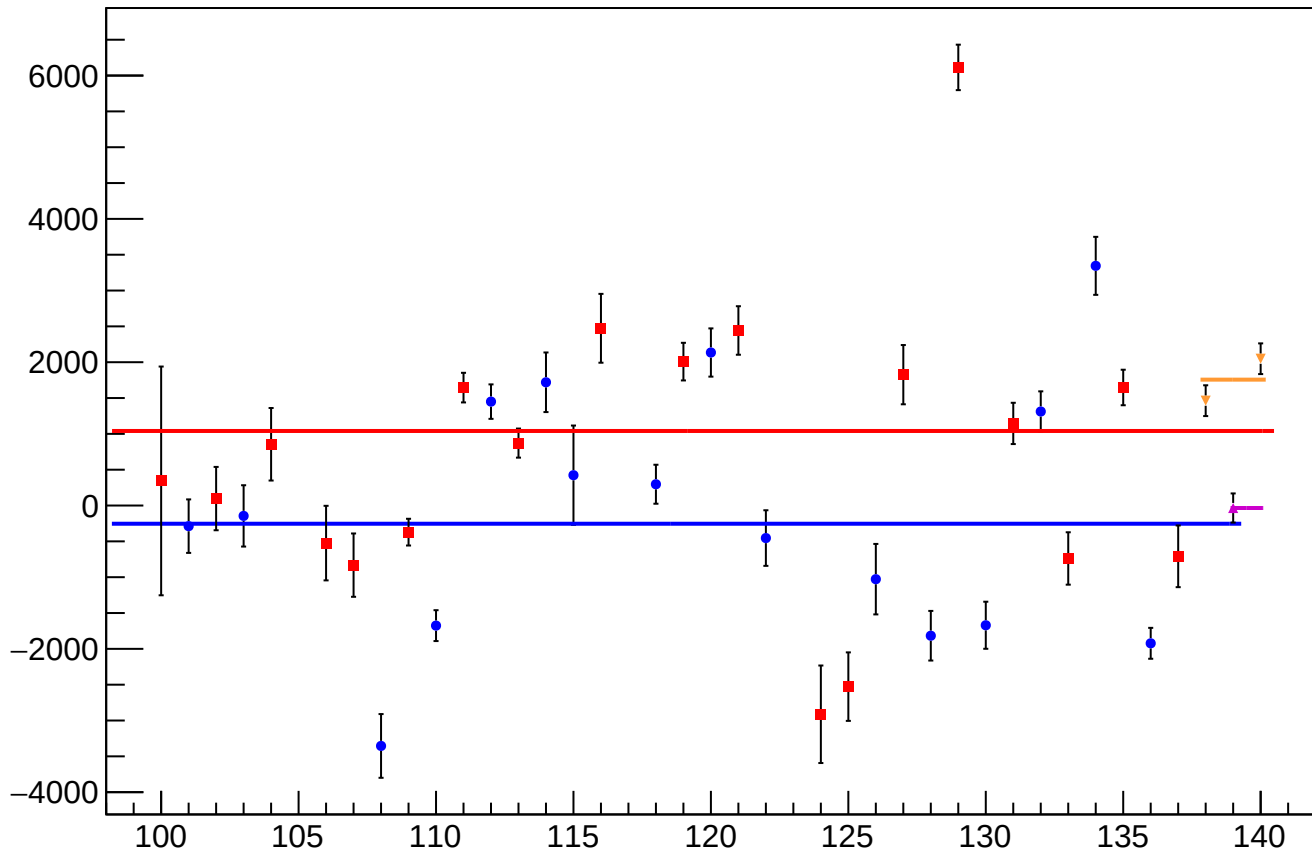
Left In: 186.515+/-0.145 χ^2/NDF : 0.0/0

+ sign 206.789+/-0.051 χ^2/NDF : 910583.4/17

All: 200.289+/-0.036 χ^2/NDF : 2229925.3/37

- sign 194.034+/-0.050 χ^2/NDF : 1287921.0/19

asym_bpm0l06WS_mean vs Slug



Right In: -254.044 ± 80.222 χ^2/NDF : 432.1/15

Left Out: 1756.708 ± 151.680 χ^2/NDF : 3.7/1

Right Out: 1040.361 ± 73.363 χ^2/NDF : 533.4/18

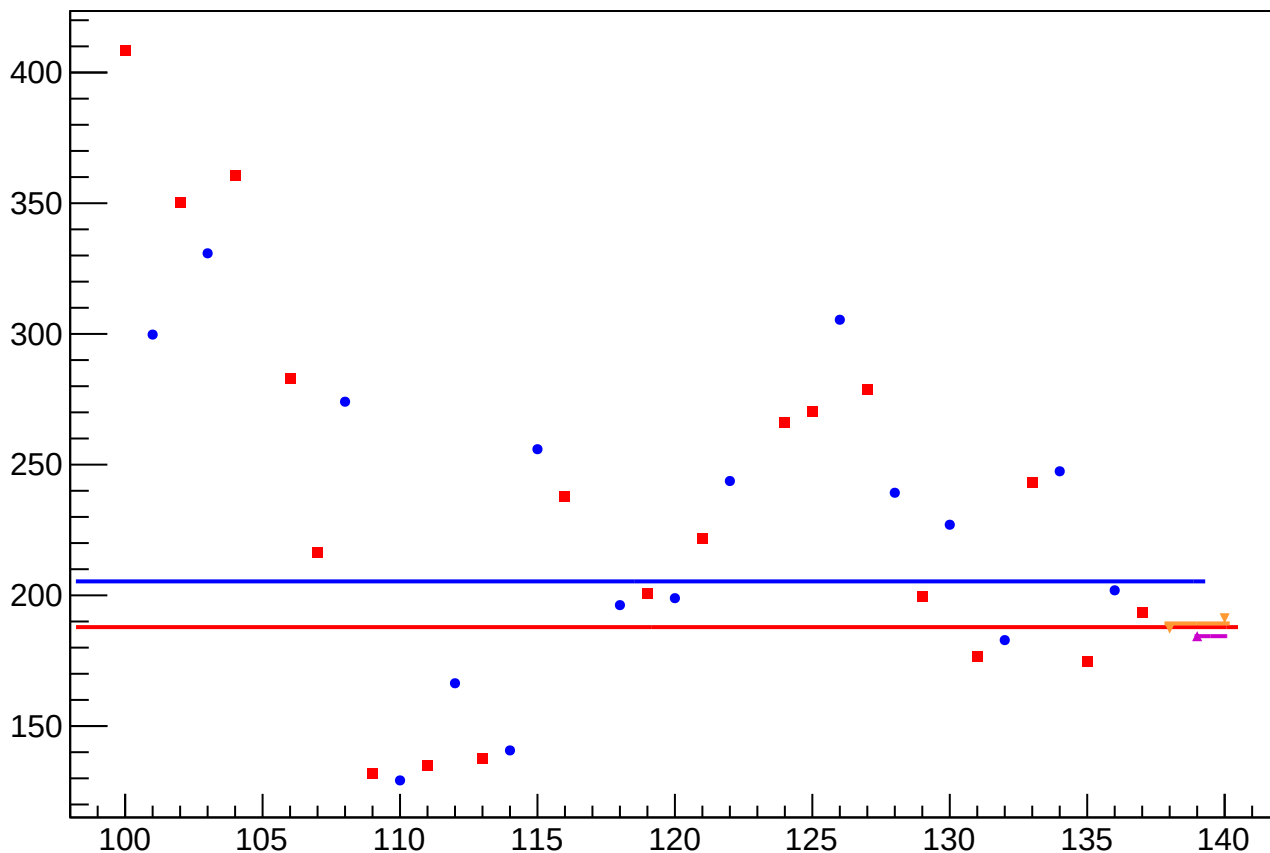
Left In: -34.484 ± 203.299 χ^2/NDF : 0.0/0

+ sign 185.472 ± 70.915 χ^2/NDF : 573.1/17

All: 560.961 ± 49.456 χ^2/NDF : 1185.8/37

- sign 916.520 ± 69.007 χ^2/NDF : 558.1/19

asym_bpm0l06WS_rms vs Slug



Right In: 205.341 $\pm$ 0.057 χ^2 /NDF: 877398.6/15

Left Out: 189.257 $\pm$ 0.107 χ^2 /NDF:338.3/1

Right Out: 187.848 $\pm$ 0.052 χ^2 /NDF: 1337049.4/18

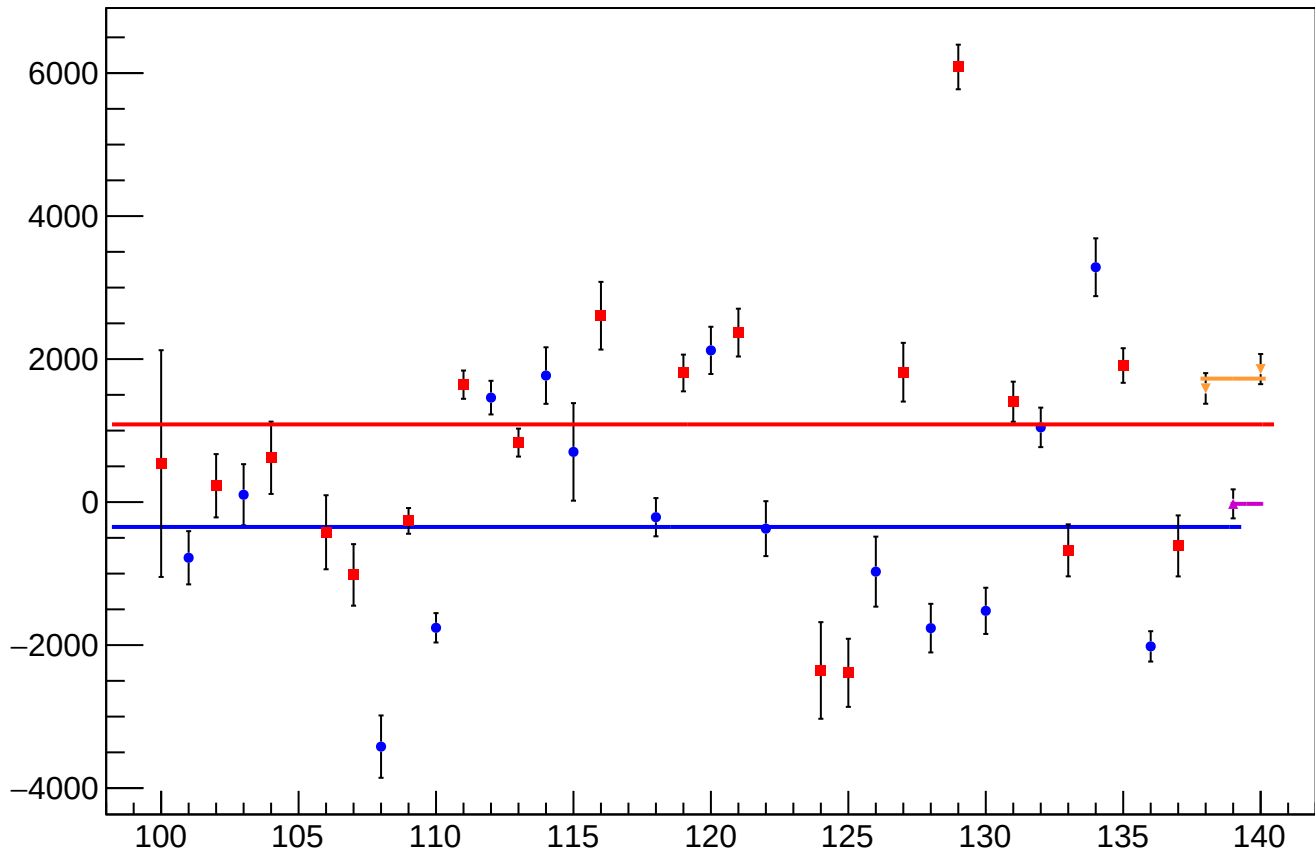
Left In: 184.386 $\pm$ 0.144 χ^2 /NDF:0.0/0

+ sign 201.826 $\pm$ 0.050 χ^2 /NDF: 895309.8/17

All: 194.442 $\pm$ 0.035 χ^2 /NDF: 2275090.4/37

- sign 187.449 $\pm$ 0.049 χ^2 /NDF: 1337562.7/19

asym_bpm0l07WS_mean vs Slug



Right In: -347.666 ± 78.567 $\chi^2/\text{NDF}: 445.8/15$

Left Out: 1727.071 ± 150.171 $\chi^2/\text{NDF}: 0.8/1$

Right Out: 1086.638 ± 71.539 $\chi^2/\text{NDF}: 527.2/18$

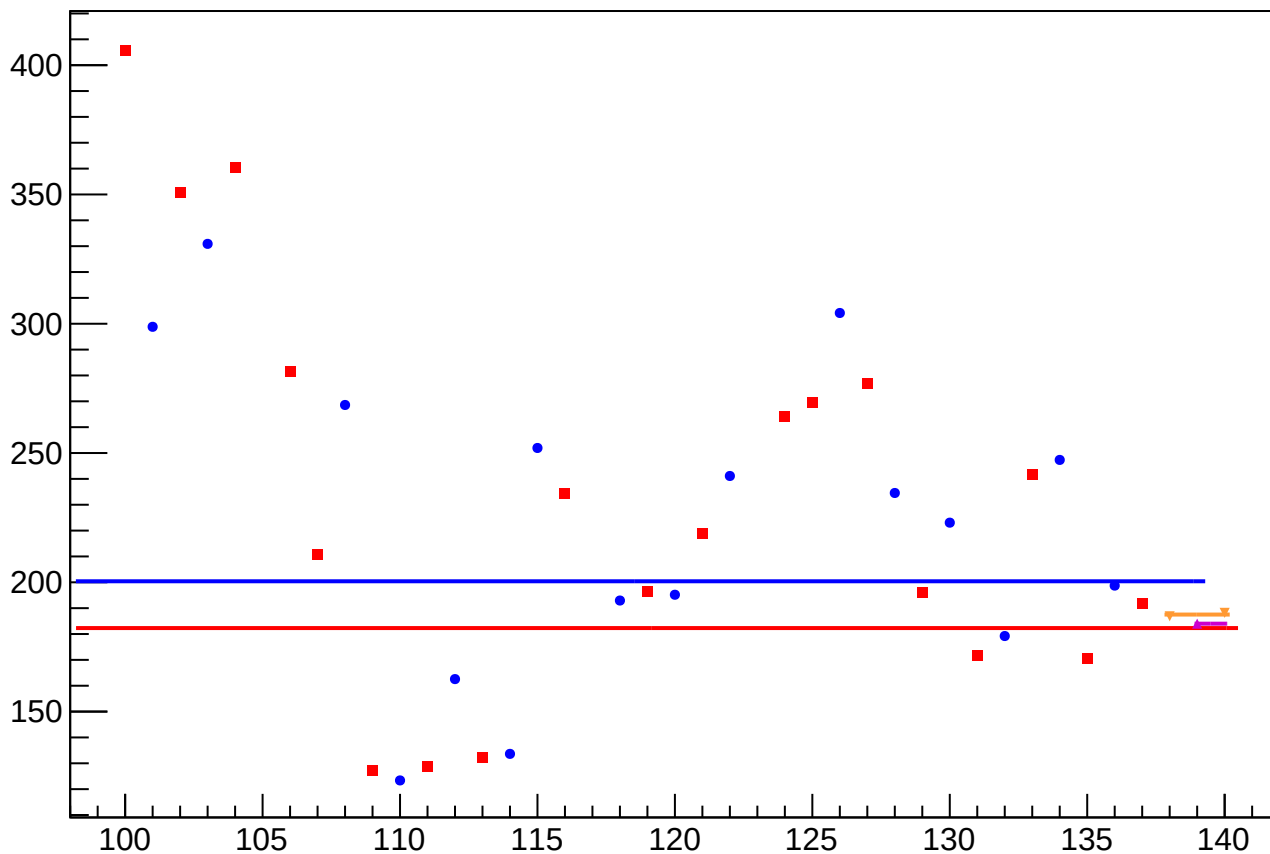
Left In: -24.557 ± 202.824 $\chi^2/\text{NDF}: 0.0/0$

+ sign 98.191 ± 69.615 $\chi^2/\text{NDF}: 596.5/17$

All: 544.512 ± 48.447 $\chi^2/\text{NDF}: 1230.1/37$

- sign 963.692 ± 67.465 $\chi^2/\text{NDF}: 553.9/19$

asym_bpm0l07WS_rms vs Slug



Right In: 200.399 $\pm$ 0.056 χ^2 /NDF: 959000.8/15

Left Out: 187.527 $\pm$ 0.106 χ^2 /NDF:39.8/1

Right Out: 182.302 $\pm$ 0.051 χ^2 /NDF: 1447197.0/18

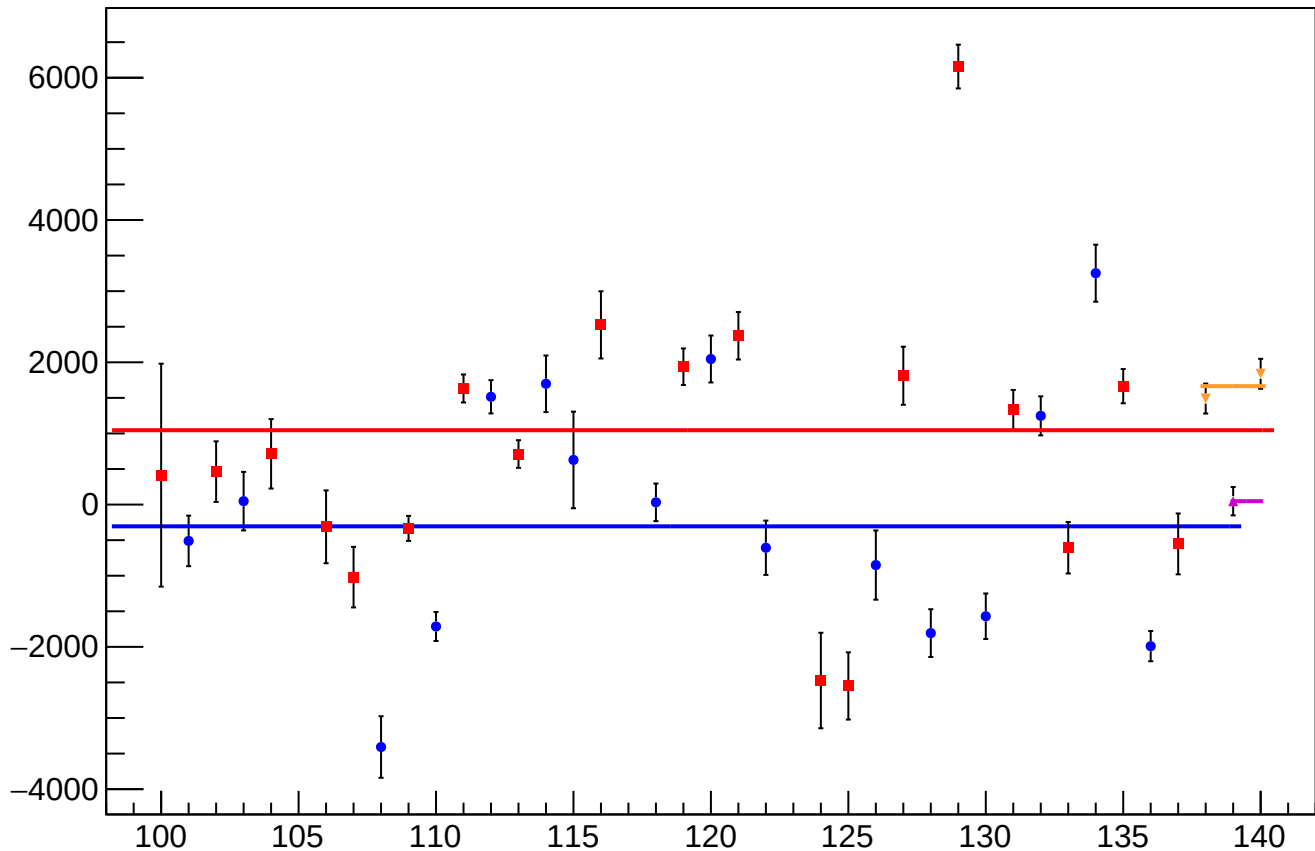
Left In: 183.998 $\pm$ 0.143 χ^2 /NDF:0.0/0

+ sign 197.633 $\pm$ 0.049 χ^2 /NDF: 970577.0/17

All: 189.823 $\pm$ 0.034 χ^2 /NDF: 2466701.3/37

- sign 182.489 $\pm$ 0.048 χ^2 /NDF: 1447321.4/19

asym_bpm0l08WS_mean vs Slug



Right In: -305.649 ± 77.868 $\chi^2/\text{NDF}: 451.8/15$

Left Out: 1665.079 ± 148.904 $\chi^2/\text{NDF}: 1.4/1$

Right Out: 1045.144 ± 70.824 $\chi^2/\text{NDF}: 552.2/18$

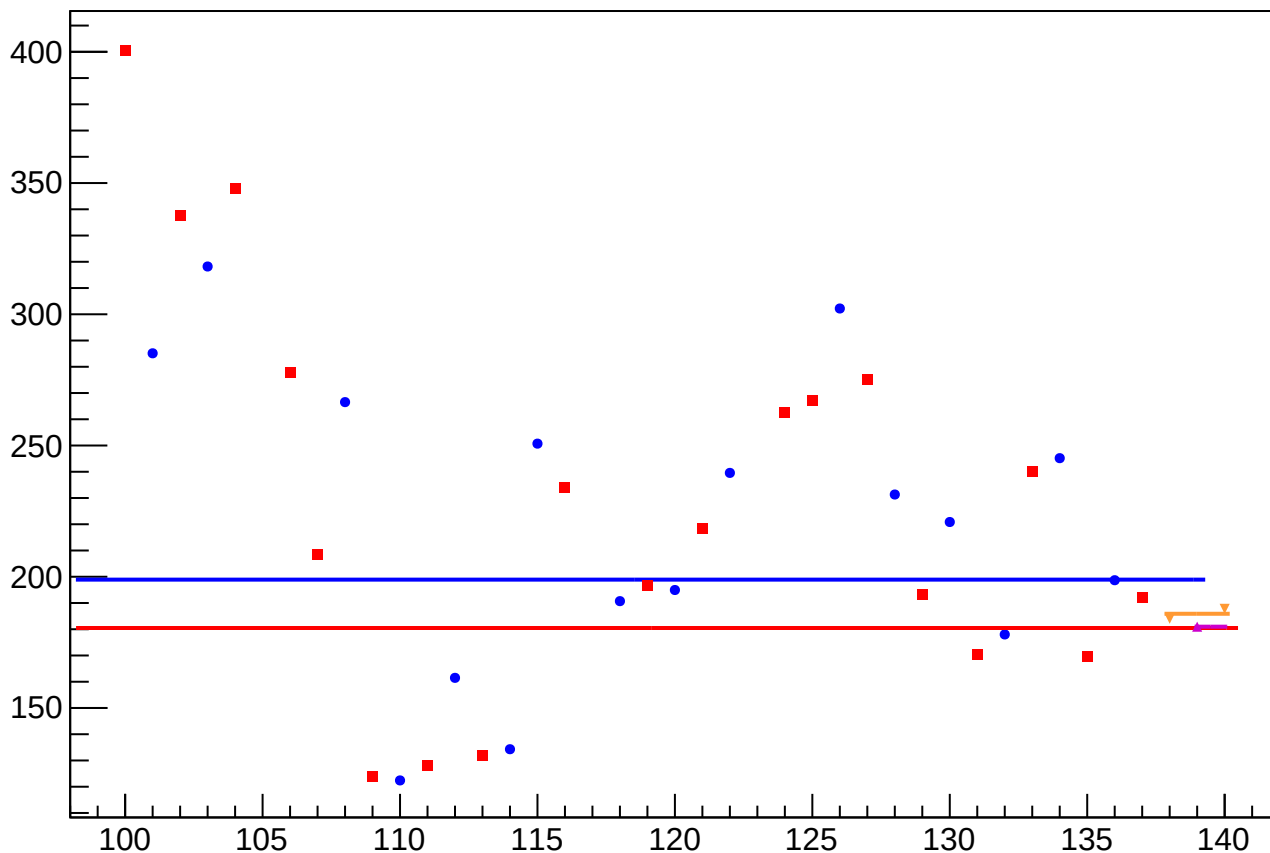
Left In: 48.066 ± 199.605 $\chi^2/\text{NDF}: 0.0/0$

+ sign 117.554 ± 69.003 $\chi^2/\text{NDF}: 590.7/17$

All: 539.163 ± 47.975 $\chi^2/\text{NDF}: 1237.3/37$

- sign 933.652 ± 66.747 $\chi^2/\text{NDF}: 574.3/19$

asym_bpm0l08WS_rms vs Slug



Right In: 198.903 $\pm$ 0.055 χ^2 /NDF: 912765.0/15

Left Out: 185.895 $\pm$ 0.105 χ^2 /NDF:319.7/1

Right Out: 180.473 $\pm$ 0.050 χ^2 /NDF: 1434435.8/18

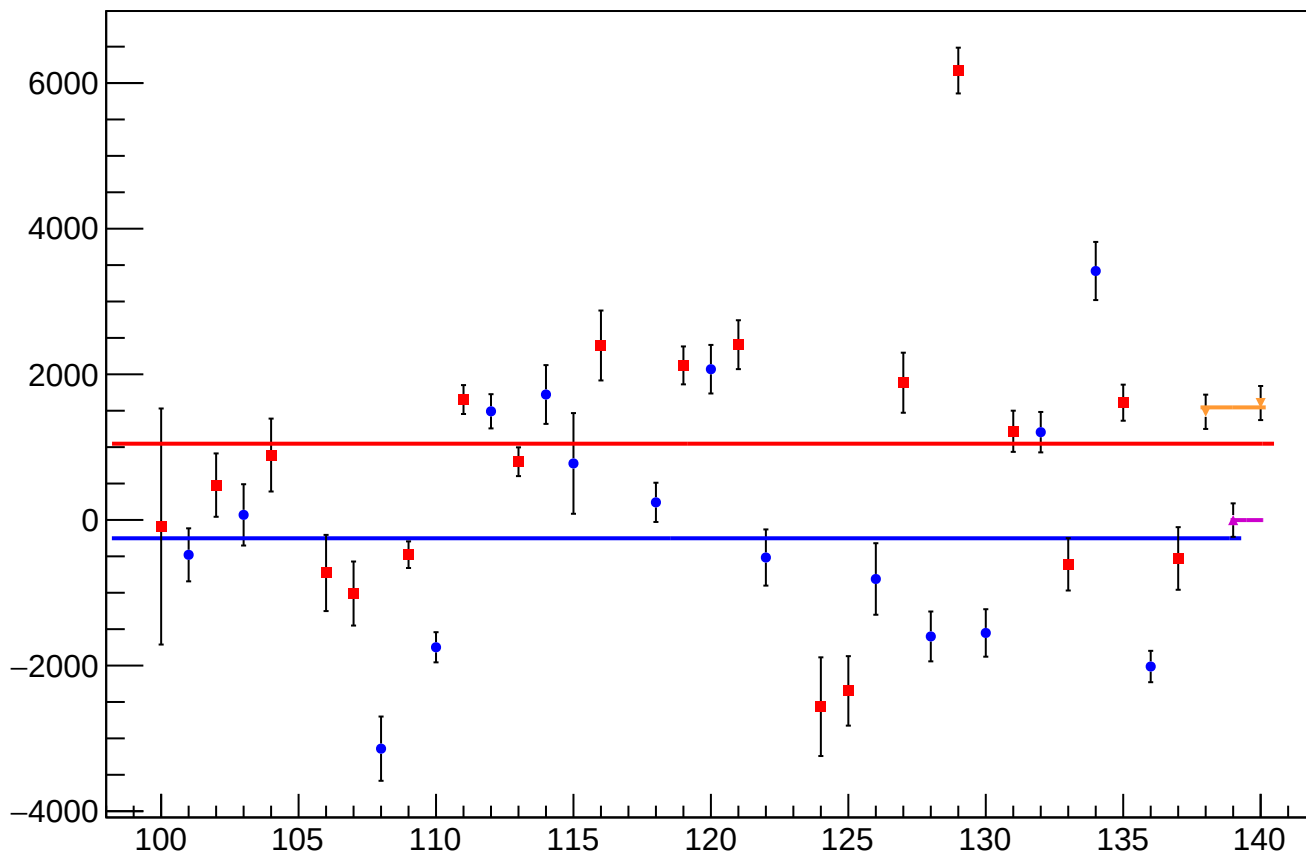
Left In: 180.976 $\pm$ 0.141 χ^2 /NDF:0.0/0

+ sign 196.109 $\pm$ 0.049 χ^2 /NDF: 925069.6/17

All: 188.060 $\pm$ 0.034 χ^2 /NDF: 2412193.0/37

- sign 180.529 $\pm$ 0.047 χ^2 /NDF: 1434447.1/19

asym_bpm0l09WS_mean vs Slug



Right In: -251.795 ± 78.974 χ^2/NDF : 441.2/15

Left Out: 1545.776 ± 166.009 χ^2/NDF : 0.1/1

Right Out: 1047.132 ± 72.190 χ^2/NDF : 546.7/18

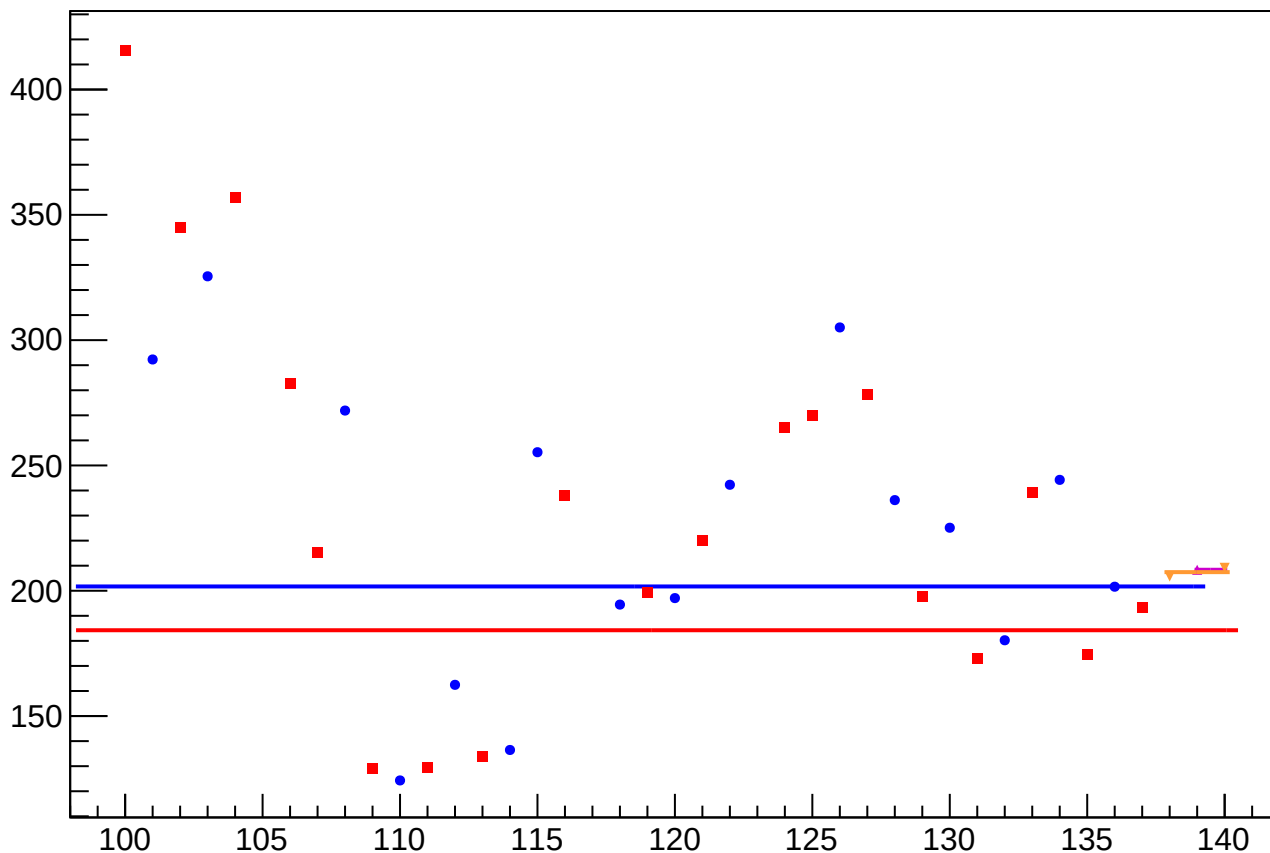
Left In: -2.143 ± 229.857 χ^2/NDF : 0.0/0

+ sign 79.941 ± 71.316 χ^2/NDF : 537.0/17

All: 531.639 ± 49.542 χ^2/NDF : 1180.2/37

- sign 952.927 ± 68.873 χ^2/NDF : 565.7/19

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF : 924210.1/15

Left Out: 207.431+/-0.117 χ^2/NDF : 217.9/1

Right Out: 184.244+/-0.051 χ^2/NDF : 1403761.8/18

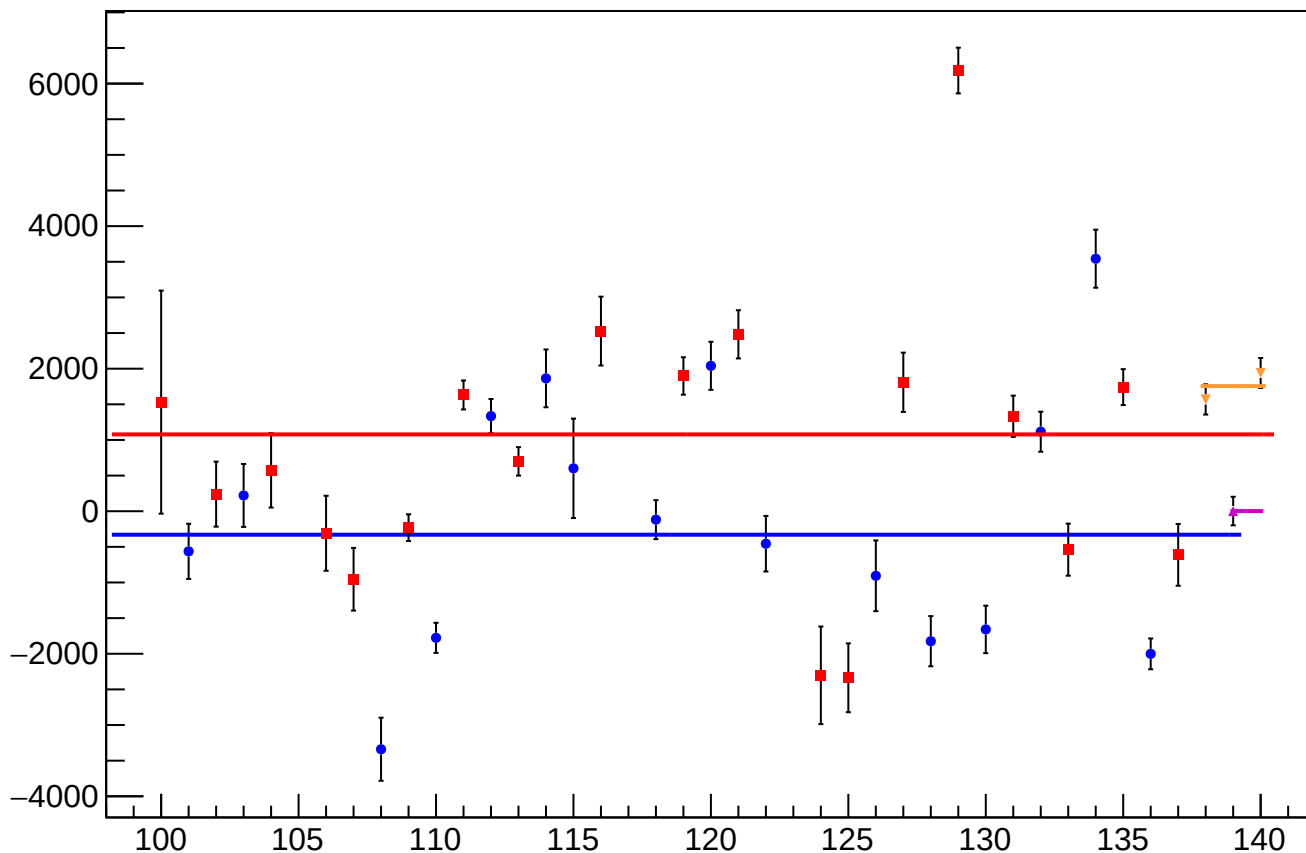
Left In: 208.375+/-0.163 χ^2/NDF : 0.0/0

+ sign 202.769+/-0.050 χ^2/NDF : 926362.3/17

All: 194.305+/-0.035 χ^2/NDF : 2404634.9/37

- sign 186.410+/-0.049 χ^2/NDF : 1423825.2/19

asym_bpm0l10WS_mean vs Slug



Right In: -329.377 ± 80.367 χ^2/NDF : 436.4/15

Left Out: 1755.518 ± 149.285 χ^2/NDF : 1.5/1

Right Out: 1077.876 ± 73.404 χ^2/NDF : 502.0/18

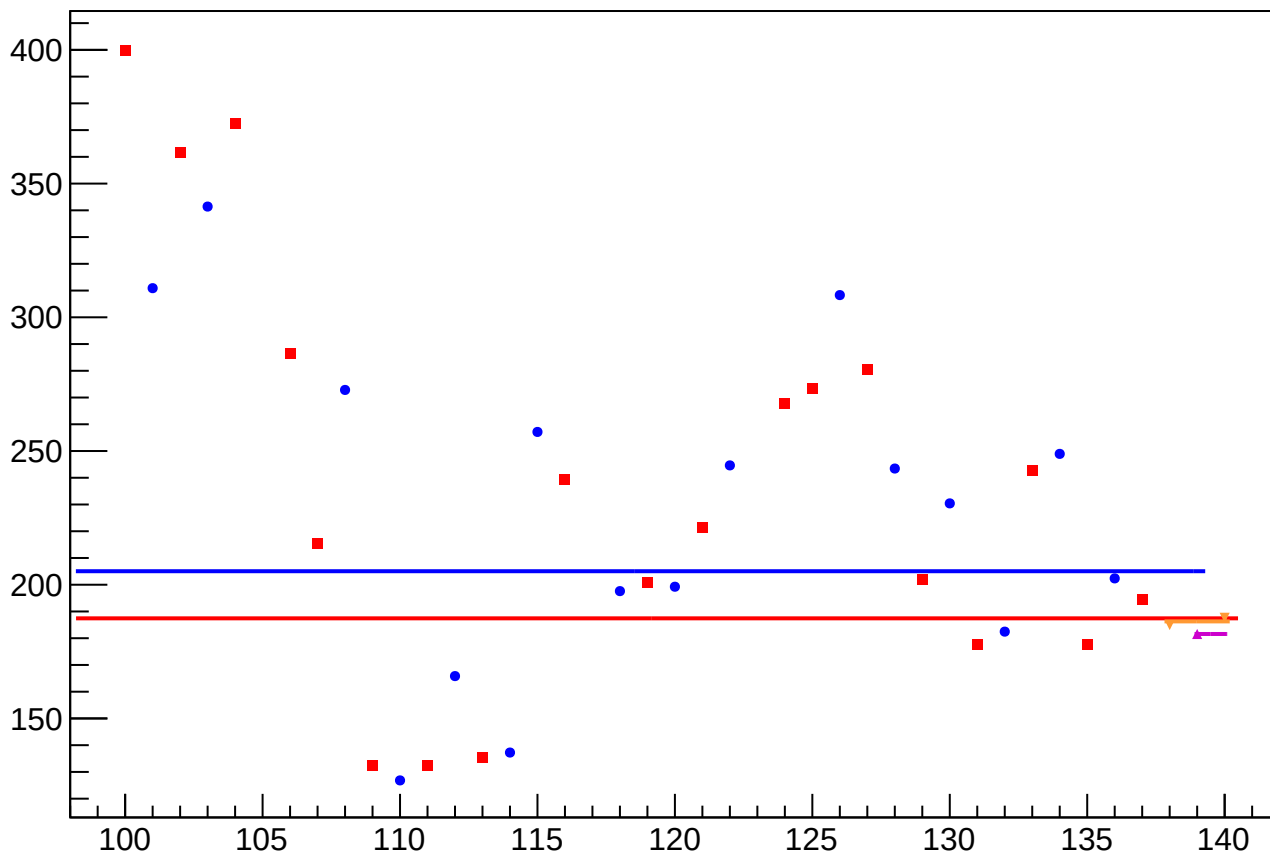
Left In: 2.377 ± 200.272 χ^2/NDF : 0.0/0

+ sign 139.093 ± 70.764 χ^2/NDF : 589.2/17

All: 555.506 ± 49.373 χ^2/NDF : 1184.0/37

- sign 950.505 ± 68.921 χ^2/NDF : 527.4/19

asym_bpm0l10WS_rms vs Slug



Right In: 205.053 $\pm$ 0.057 χ^2 /NDF: 963052.0/15

Left Out: 186.290 $\pm$ 0.106 χ^2 /NDF:166.7/1

Right Out: 187.431 $\pm$ 0.052 χ^2 /NDF: 1410802.2/18

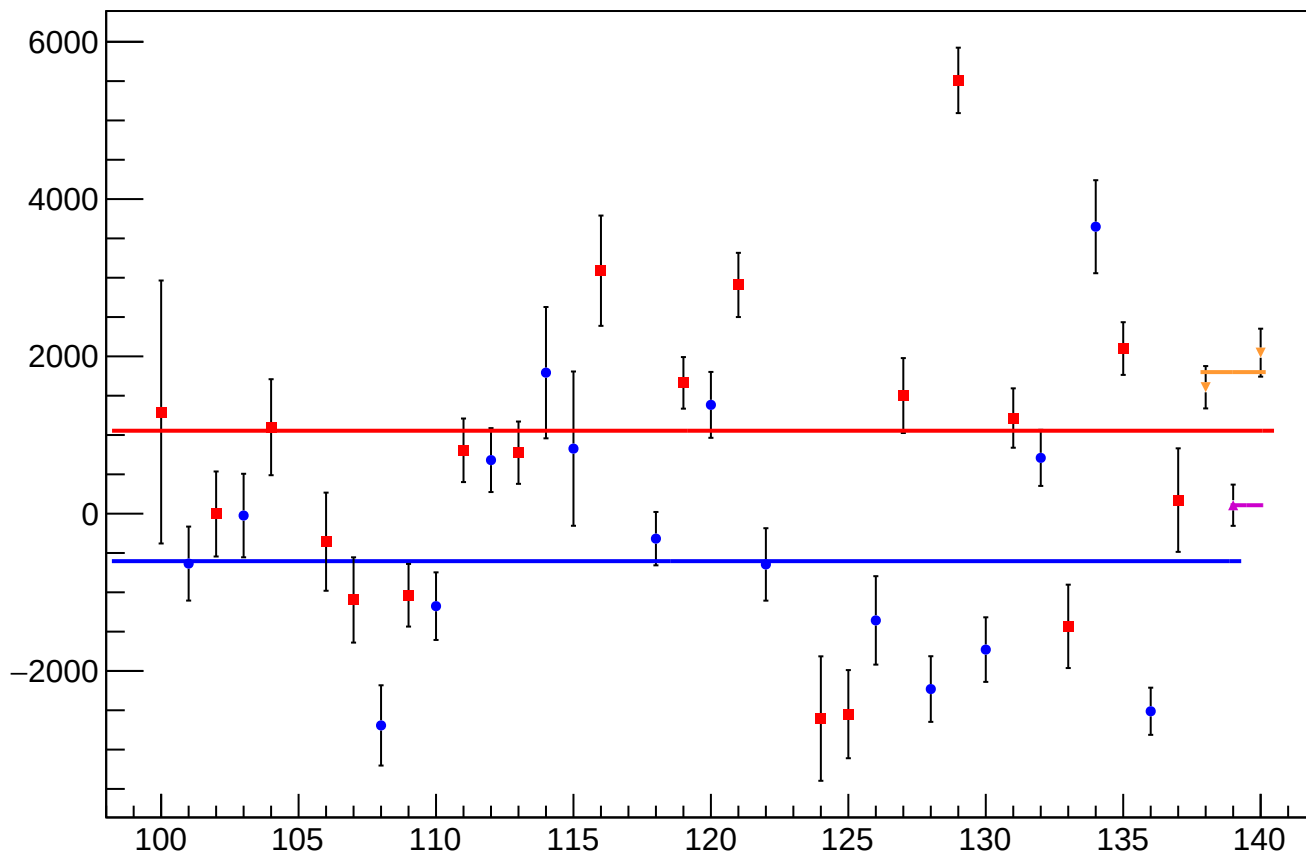
Left In: 181.579 $\pm$ 0.142 χ^2 /NDF:0.0/0

+ sign 200.837 $\pm$ 0.050 χ^2 /NDF: 987713.9/17

All: 193.601 $\pm$ 0.035 χ^2 /NDF: 2440763.3/37

- sign 186.738 $\pm$ 0.049 χ^2 /NDF: 1412307.6/19

asym_bpm0r03WS_mean vs Slug



Right In: -603.855 ± 110.693 $\chi^2/\text{NDF}: 193.5/15$

Left Out: 1800.051 ± 201.838 $\chi^2/\text{NDF}: 1.2/1$

Right Out: 1054.556 ± 108.264 $\chi^2/\text{NDF}: 297.7/18$

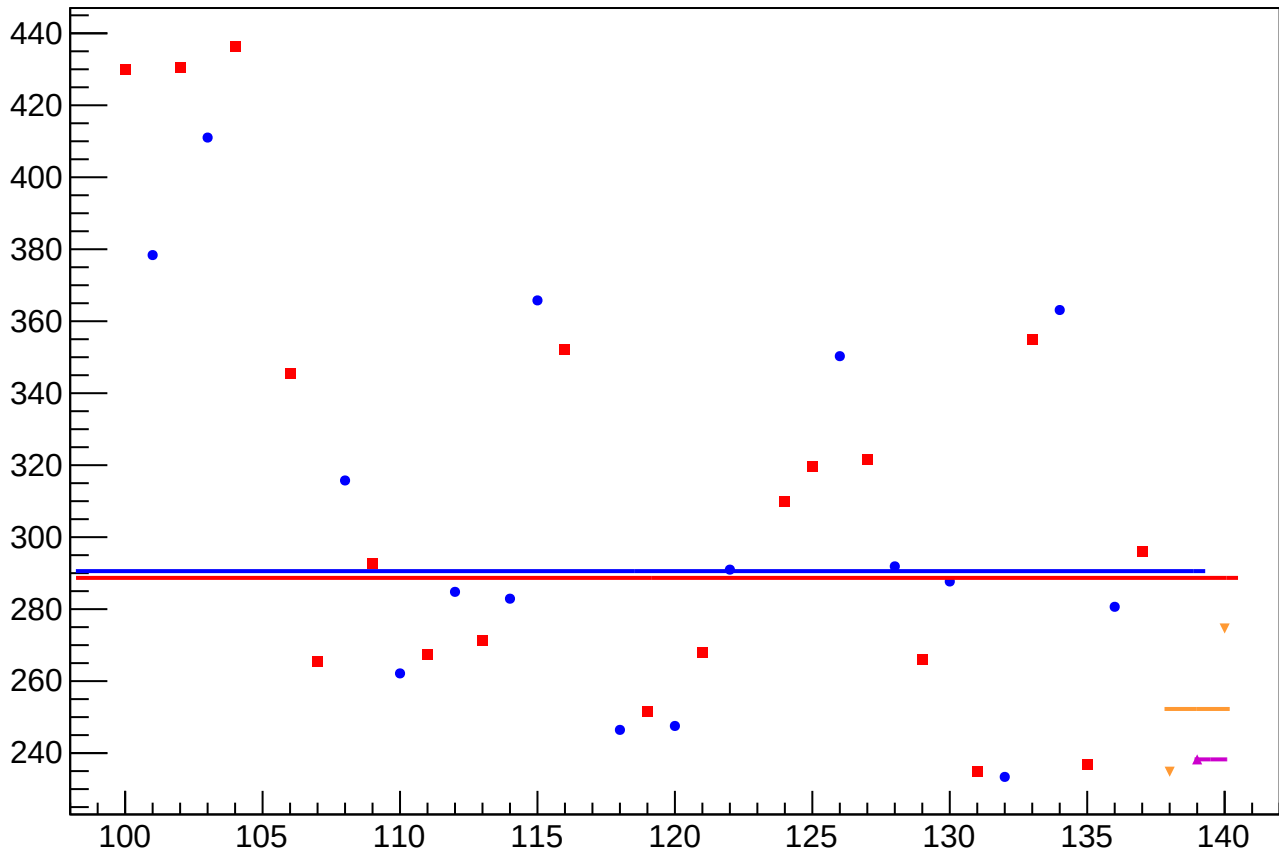
Left In: 107.299 ± 262.087 $\chi^2/\text{NDF}: 0.0/0$

+ sign -48.013 ± 97.055 $\chi^2/\text{NDF}: 303.8/17$

All: 419.522 ± 69.667 $\chi^2/\text{NDF}: 660.5/37$

- sign 916.480 ± 100.063 $\chi^2/\text{NDF}: 308.8/19$

asym_bpm0r03WS_rms vs Slug



Right In: 290.566 $\pm$ 0.078 χ^2 /NDF: 359807.1/15

Left Out: 252.265 $\pm$ 0.143 χ^2 /NDF: 19141.0/1

Right Out: 288.686 $\pm$ 0.077 χ^2 /NDF: 489094.8/18

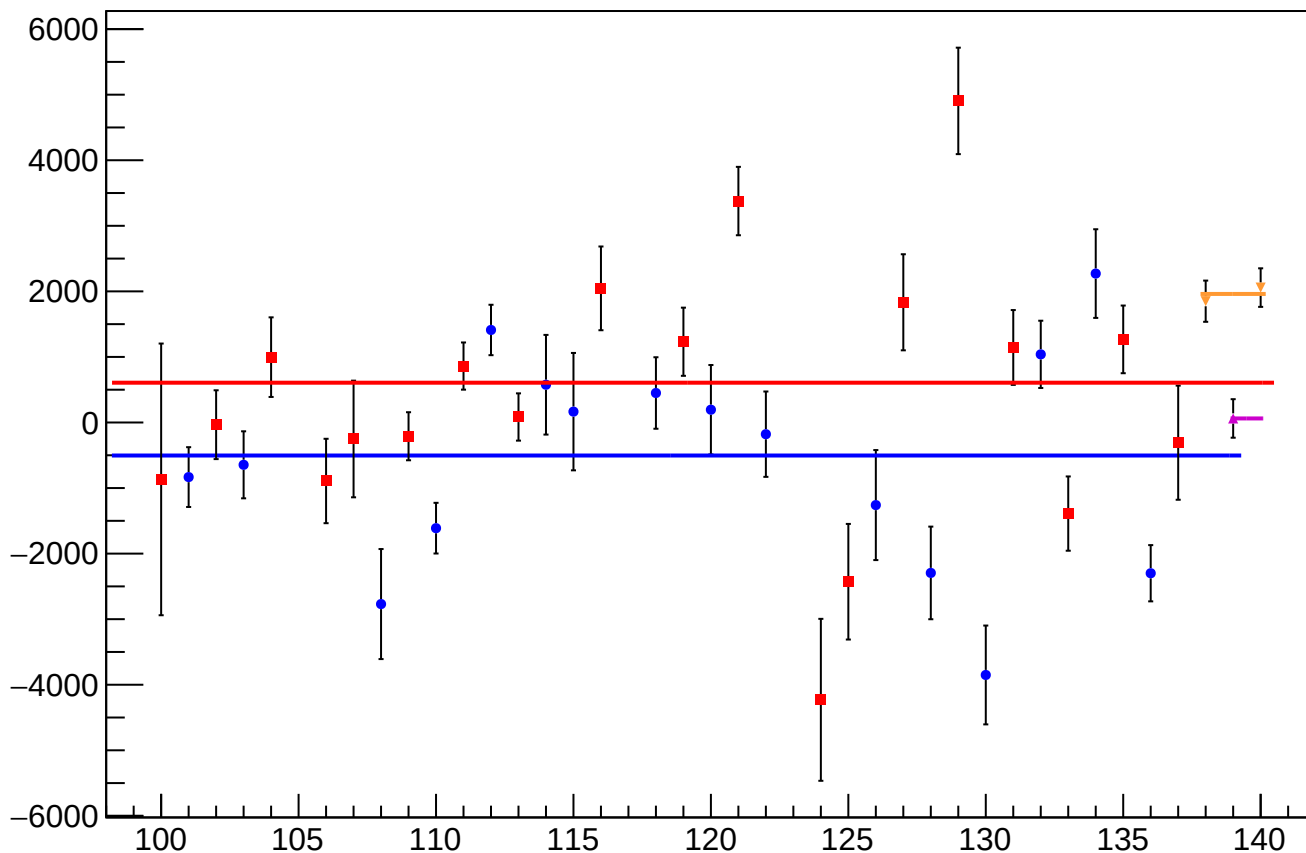
Left In: 238.255 $\pm$ 0.185 χ^2 /NDF: 0.0/0

+ sign 281.710 $\pm$ 0.069 χ^2 /NDF: 434315.0/17

All: 281.528 $\pm$ 0.049 χ^2 /NDF: 986682.3/37

- sign 281.335 $\pm$ 0.071 χ^2 /NDF: 552352.8/19

asym_bpm0r05WS_mean vs Slug



Right In: -503.675 ± 140.058 $\chi^2/\text{NDF}: 118.2/15$

Left Out: 1960.689 ± 214.742 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 606.880 ± 129.609 $\chi^2/\text{NDF}: 125.1/18$

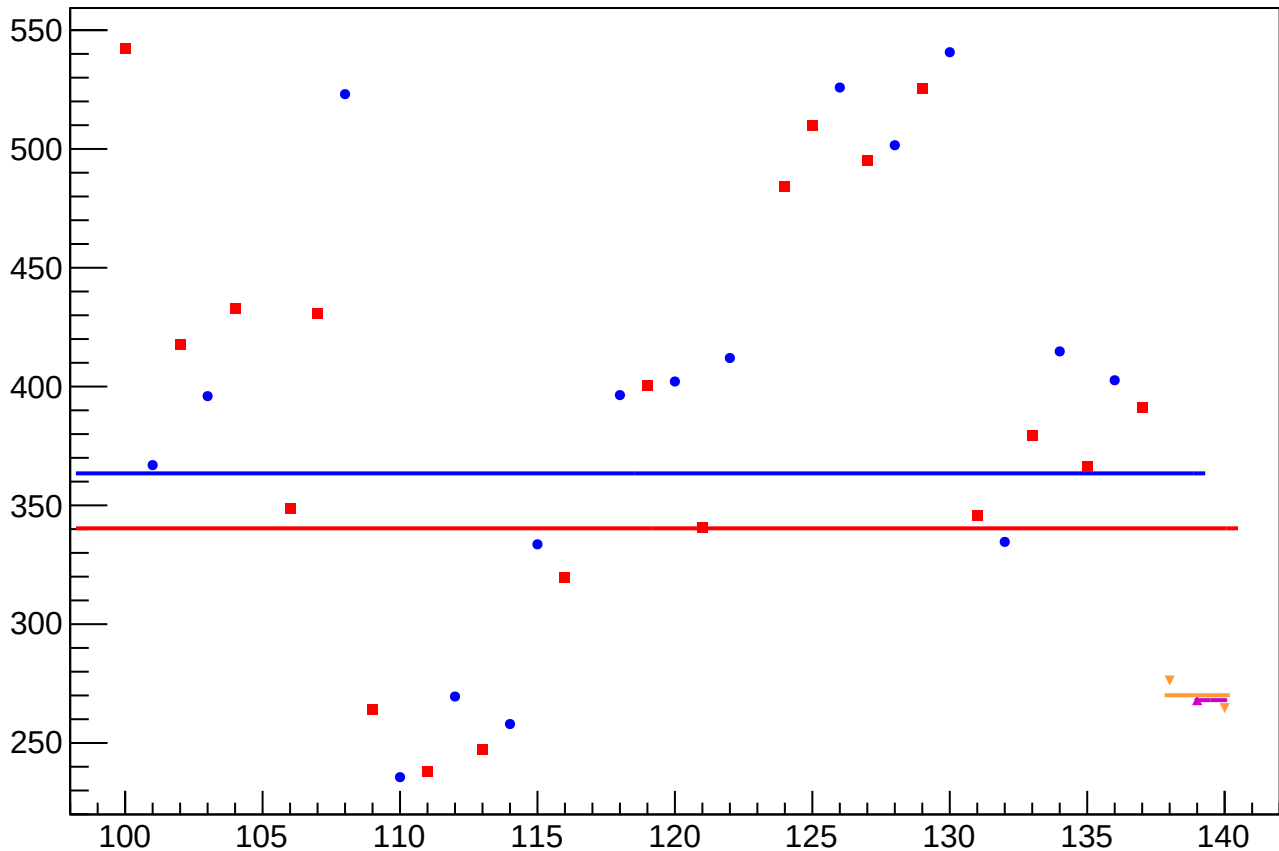
Left In: 61.663 ± 293.827 $\chi^2/\text{NDF}: 0.0/0$

+ sign 231.779 ± 117.312 $\chi^2/\text{NDF}: 210.9/17$

All: 373.382 ± 83.398 $\chi^2/\text{NDF}: 341.8/37$

- sign 518.074 ± 118.584 $\chi^2/\text{NDF}: 128.0/19$

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF : 780893.2/15

Left Out: 270.085+/-0.152 χ^2/NDF :1456.9/1

Right Out: 340.332+/-0.092 χ^2/NDF : 856230.3/18

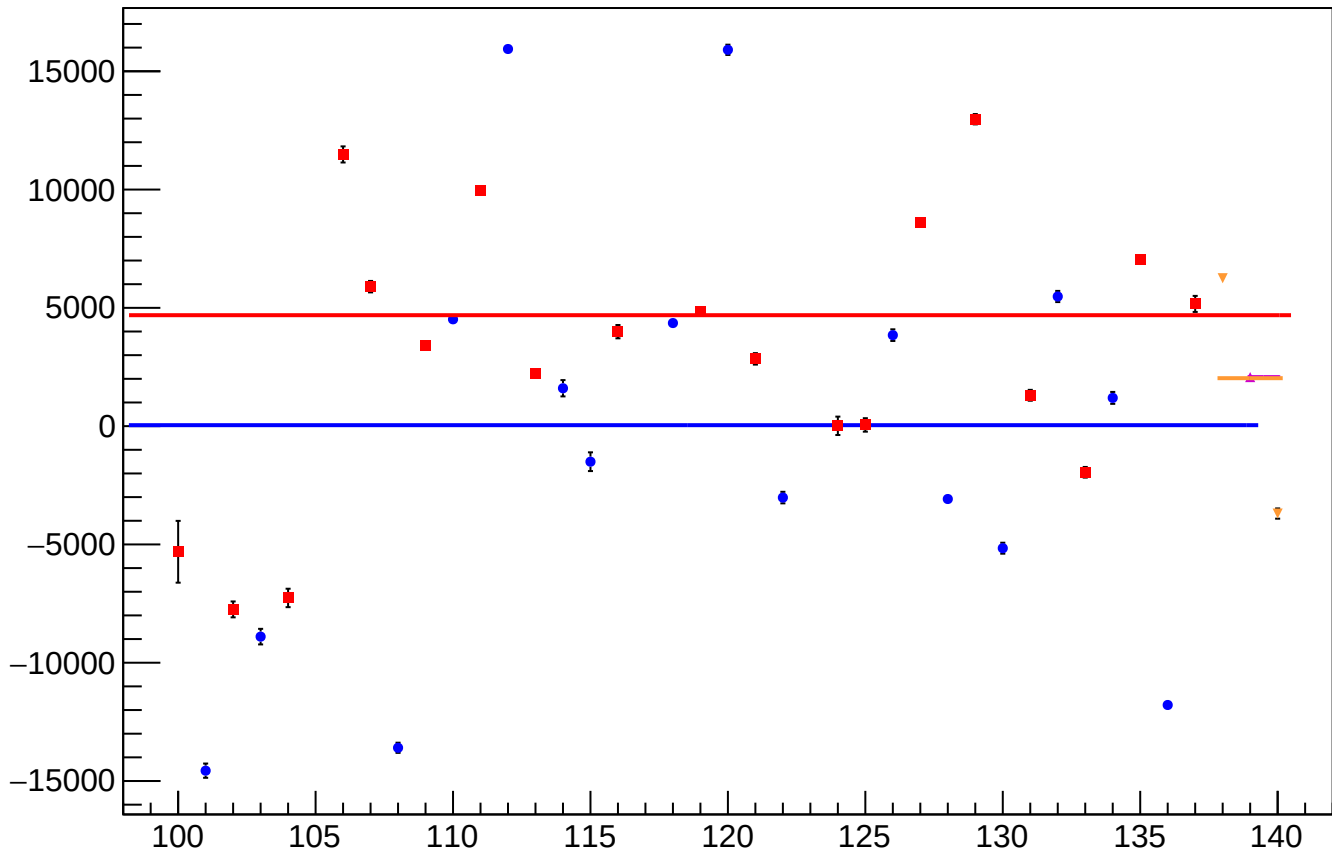
Left In: 268.029+/-0.208 χ^2/NDF :0.0/0

+ sign 335.601+/-0.083 χ^2/NDF : 1047706.8/17

All: 332.116+/-0.059 χ^2/NDF : 2008885.9/37

- sign 328.555+/-0.084 χ^2/NDF : 957610.4/19

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF :1215.1/1

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

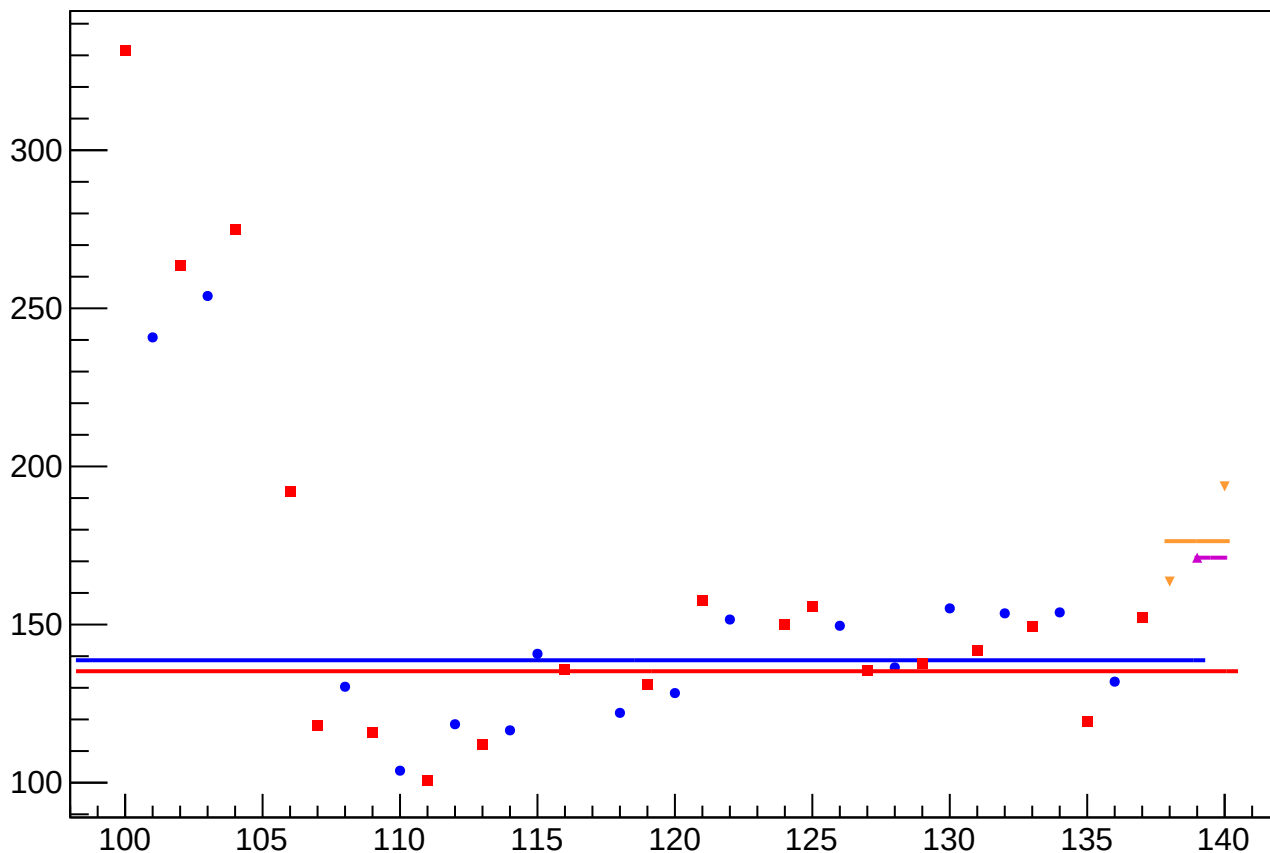
Left In: 2073.670+/-188.982 χ^2/NDF :0.0/0

+ sign 296.458+/-50.592 χ^2/NDF : 32174.2/17

All: 2416.173+/-35.642 χ^2/NDF : 43633.3/37

- sign 4504.958+/-50.222 χ^2/NDF : 7973.8/19

asym_bpm0i02WS_rms vs Slug



Right In: 138.712 $\pm$ 0.038 χ^2 /NDF: 657791.3/15

Left Out: 176.377 $\pm$ 0.100 χ^2 /NDF: 22275.9/1

Right Out: 135.245 $\pm$ 0.037 χ^2 /NDF: 890024.8/18

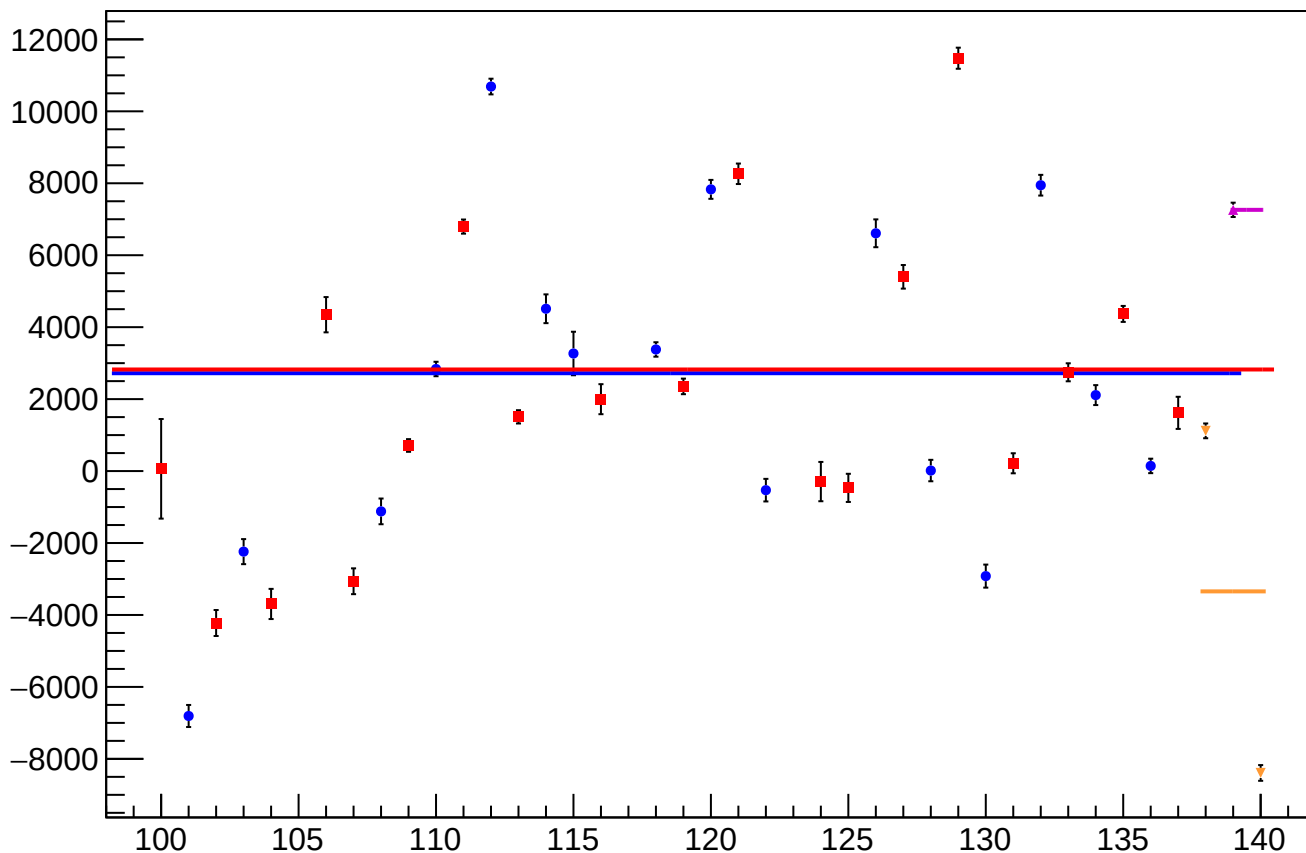
Left In: 171.151 $\pm$ 0.134 χ^2 /NDF: 0.0/0

+ sign 143.558 $\pm$ 0.036 χ^2 /NDF: 804332.6/17

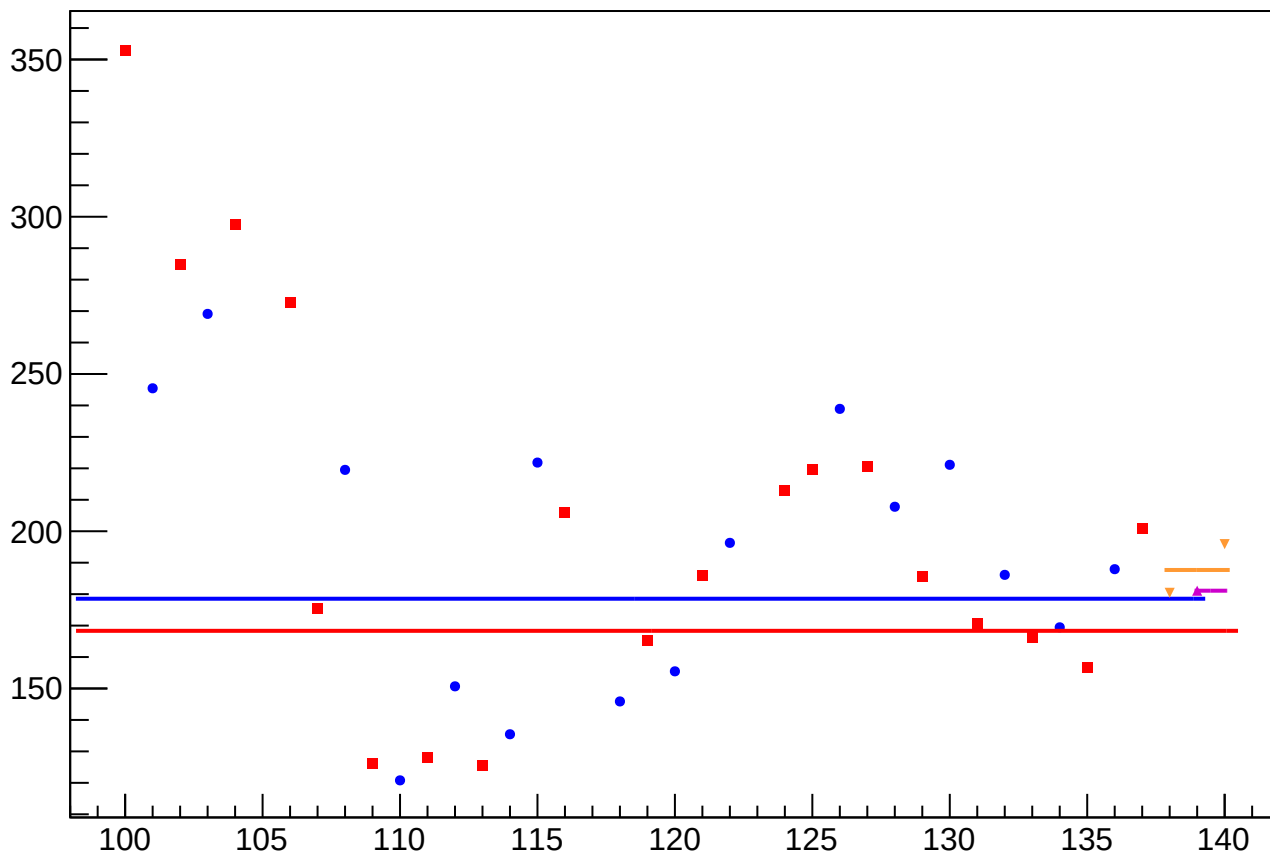
All: 140.648 $\pm$ 0.025 χ^2 /NDF: 1774590.6/37

- sign 137.781 $\pm$ 0.036 χ^2 /NDF: 957124.6/19

asym_bpm0i02aWS_mean vs Slug



asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF : 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF : 5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF : 979485.9/18

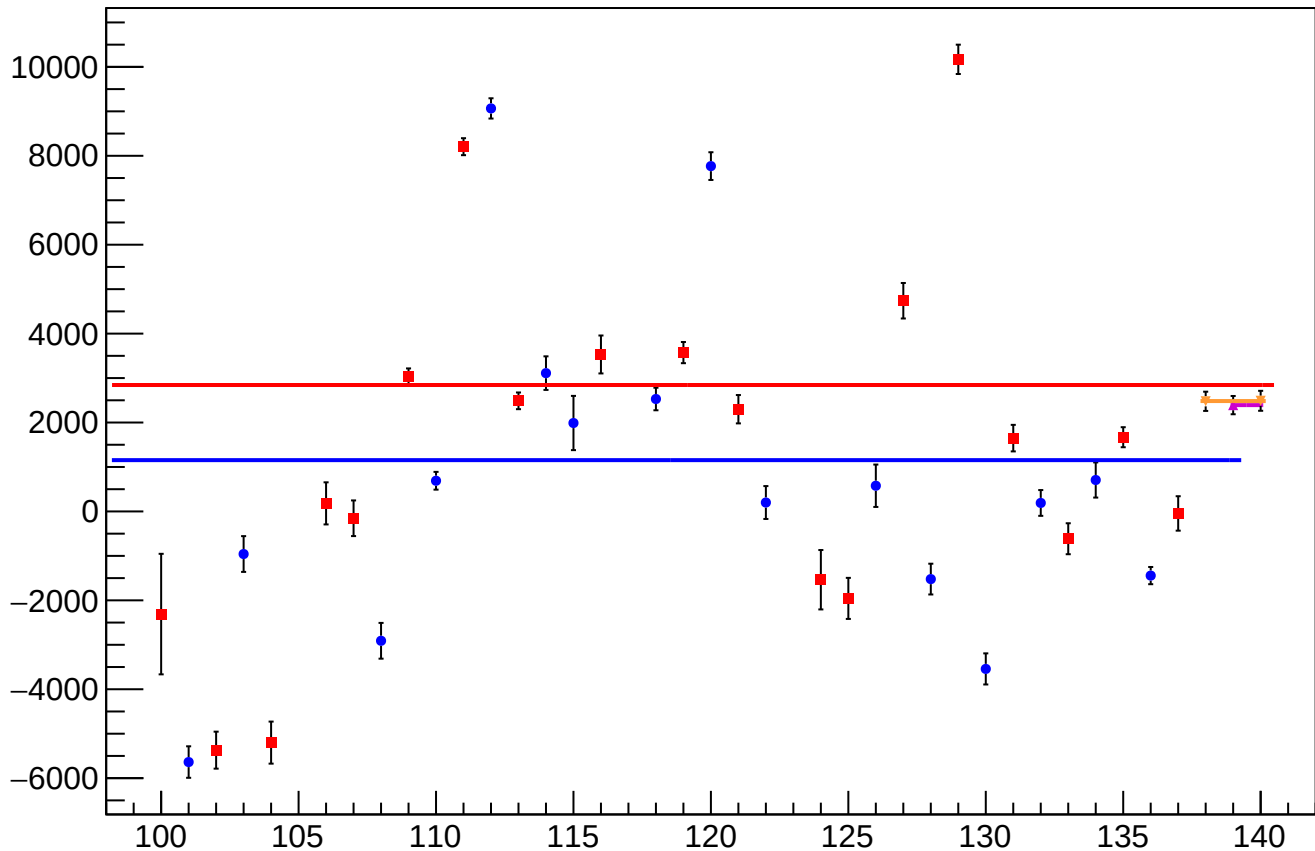
Left In: 181.095+/-0.141 χ^2/NDF : 0.0/0

+ sign 180.154+/-0.044 χ^2/NDF : 686046.2/17

All: 174.755+/-0.031 χ^2/NDF : 1701918.2/37

- sign 169.556+/-0.044 χ^2/NDF : 986896.6/19

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF : 0.0/1

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

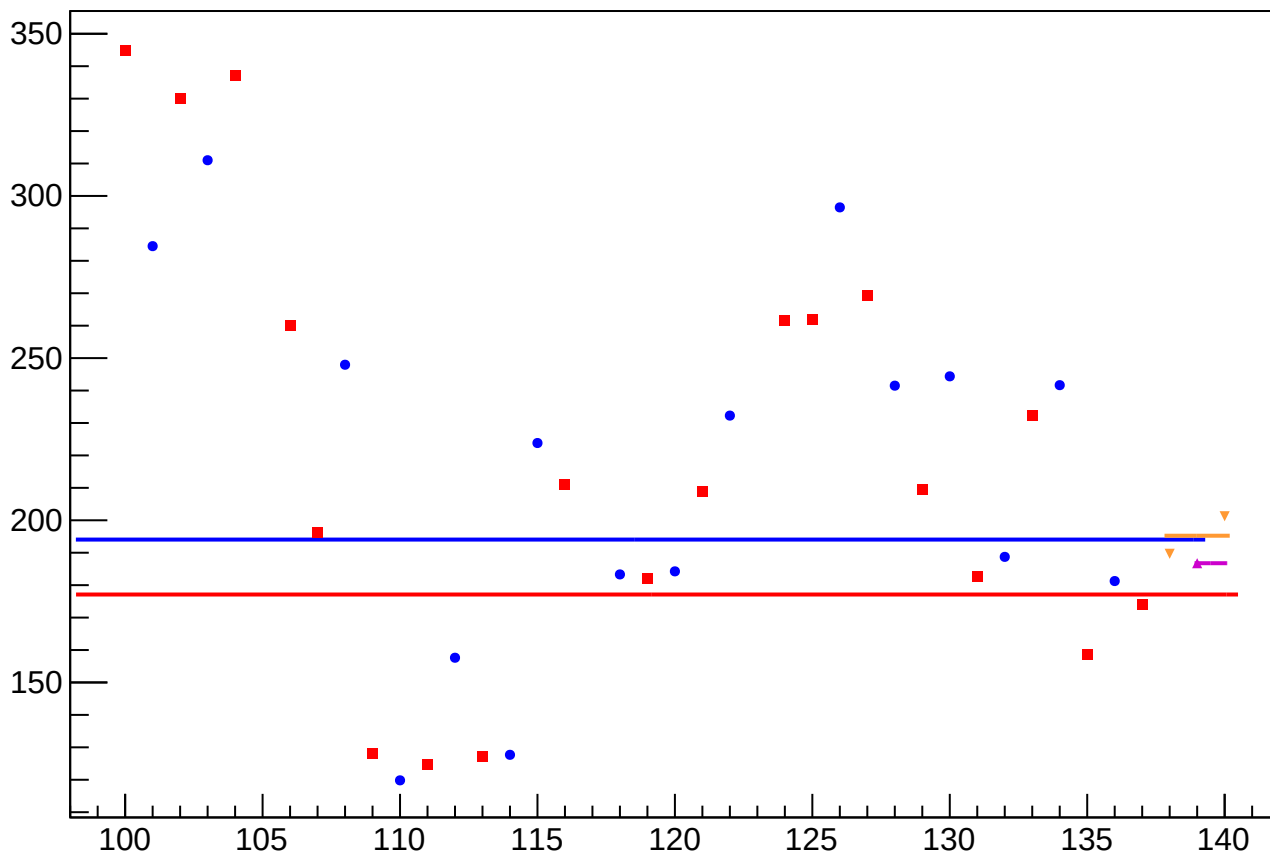
Left In: 2391.514+/-205.447 χ^2/NDF : 0.0/0

+ sign 1409.069+/-68.274 χ^2/NDF : 2714.1/17

All: 2131.966+/-47.276 χ^2/NDF : 5387.0/37

- sign 2797.874+/-65.528 χ^2/NDF : 2457.5/19

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF : 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF : 2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF : 1359345.8/18

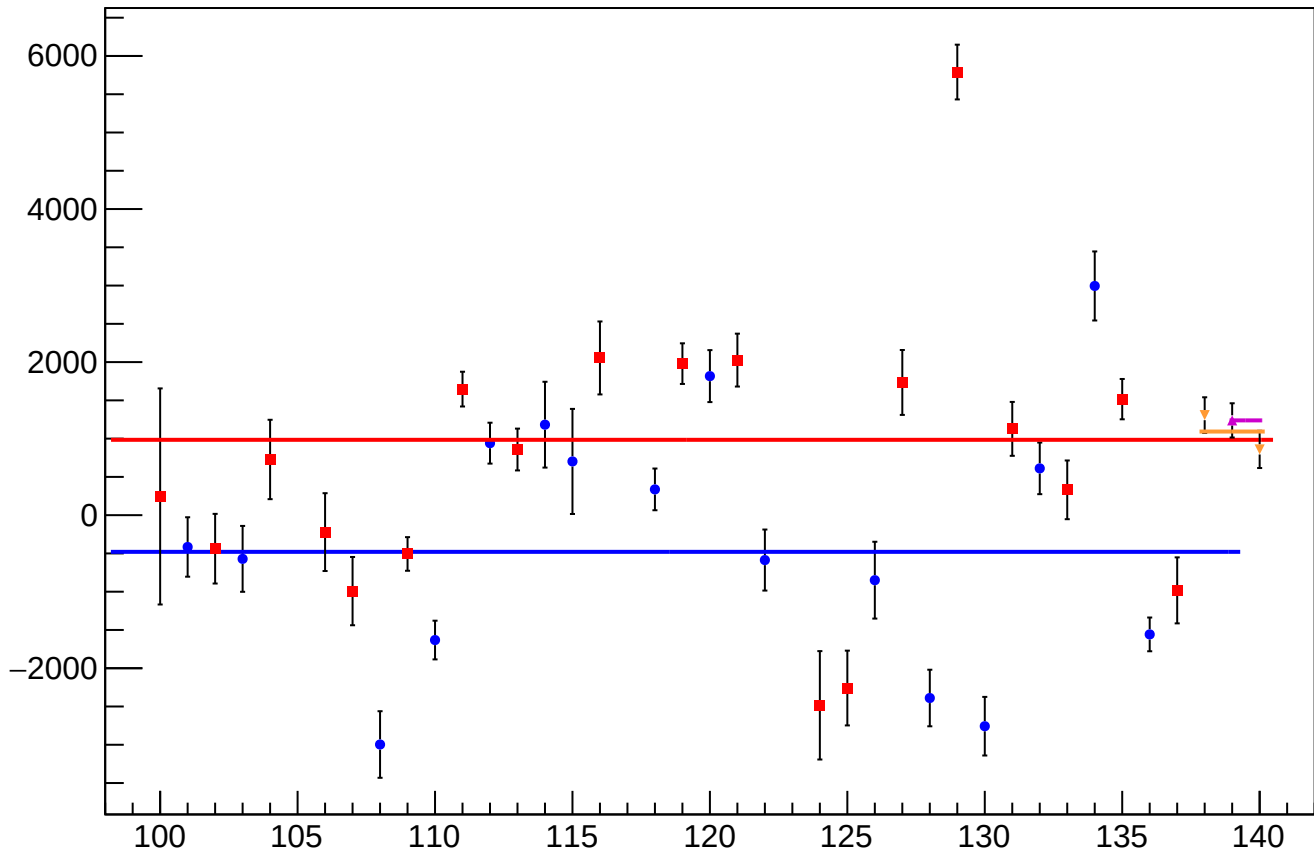
Left In: 186.765+/-0.145 χ^2/NDF : 0.0/0

+ sign 194.281+/-0.048 χ^2/NDF : 968633.2/17

All: 185.857+/-0.033 χ^2/NDF : 2390441.8/37

- sign 178.097+/-0.046 χ^2/NDF : 1363309.0/19

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 1092.736 ± 168.291 χ^2/NDF : 1.8/1

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

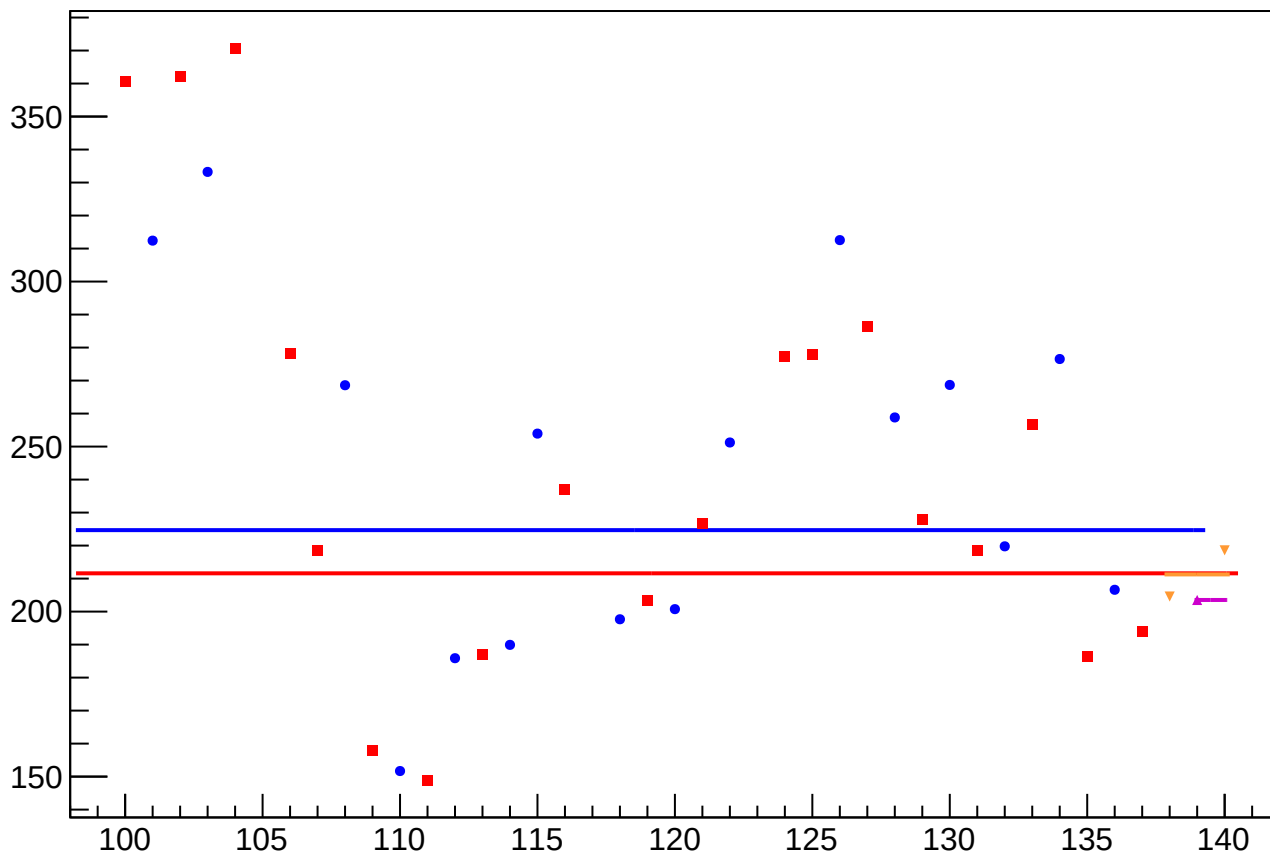
Left In: 1238.389 ± 223.636 χ^2/NDF : 0.0/0

+ sign -149.670 ± 77.063 χ^2/NDF : 376.2/17

All: 439.332 ± 54.153 χ^2/NDF : 890.9/37

- sign 1013.907 ± 76.113 χ^2/NDF : 399.3/19

asym_bpm0i07WS_rms vs Slug



Right In: 224.683 $\pm$ 0.061 χ^2 /NDF: 653193.4/15

Left Out: 211.264 $\pm$ 0.119 χ^2 /NDF: 3450.7/1

Right Out: 211.595 $\pm$ 0.057 χ^2 /NDF: 932902.5/18

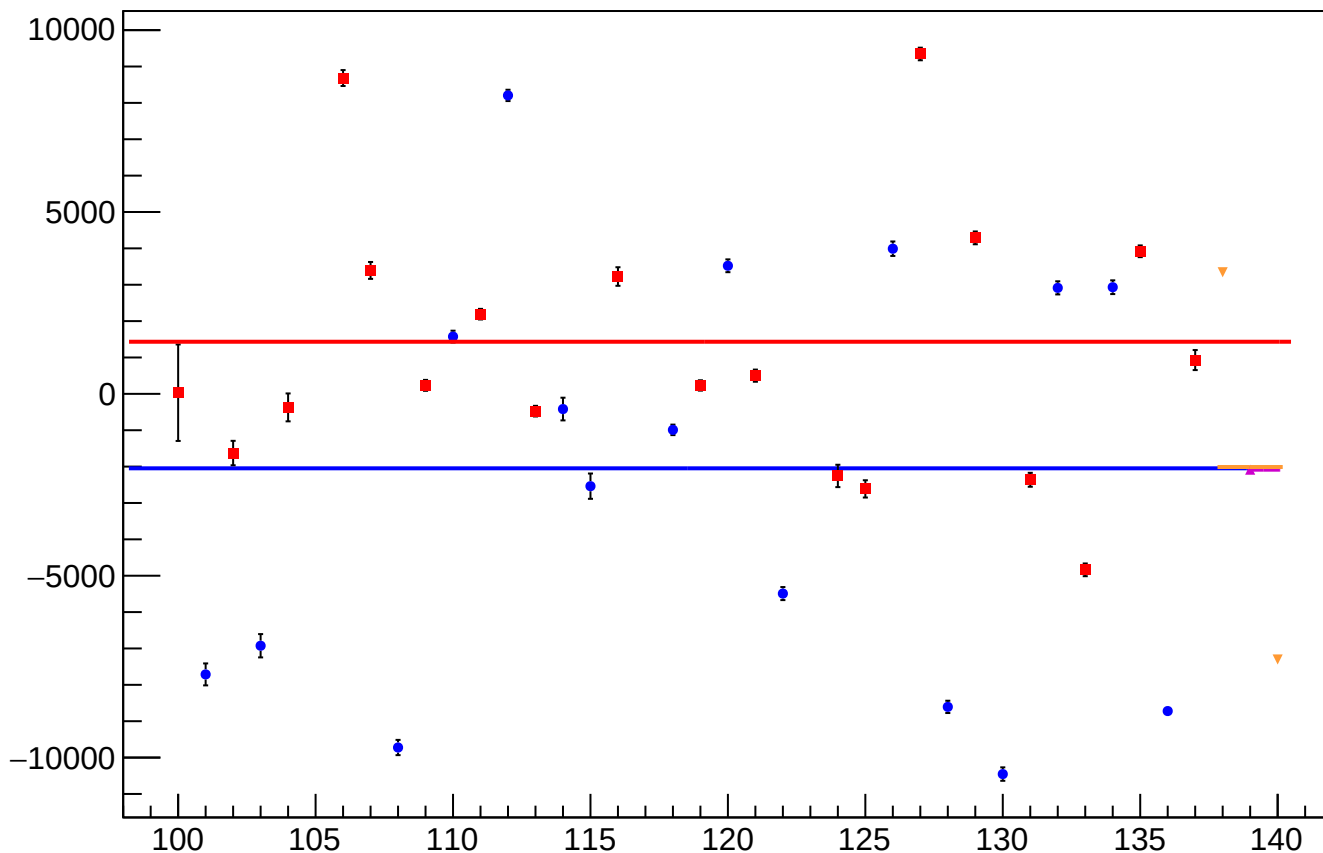
Left In: 203.521 $\pm$ 0.158 χ^2 /NDF: 0.0/0

+ sign 221.869 $\pm$ 0.054 χ^2 /NDF: 666692.6/17

All: 216.195 $\pm$ 0.038 χ^2 /NDF: 1623320.4/37

- sign 210.660 $\pm$ 0.054 χ^2 /NDF: 935207.5/19

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267 ± 46.722 $\chi^2/\text{NDF}: 16709.1/15$

Left Out: -2011.424 ± 89.913 $\chi^2/\text{NDF}: 3505.0/1$

Right Out: 1432.909 ± 44.729 $\chi^2/\text{NDF}: 6387.8/18$

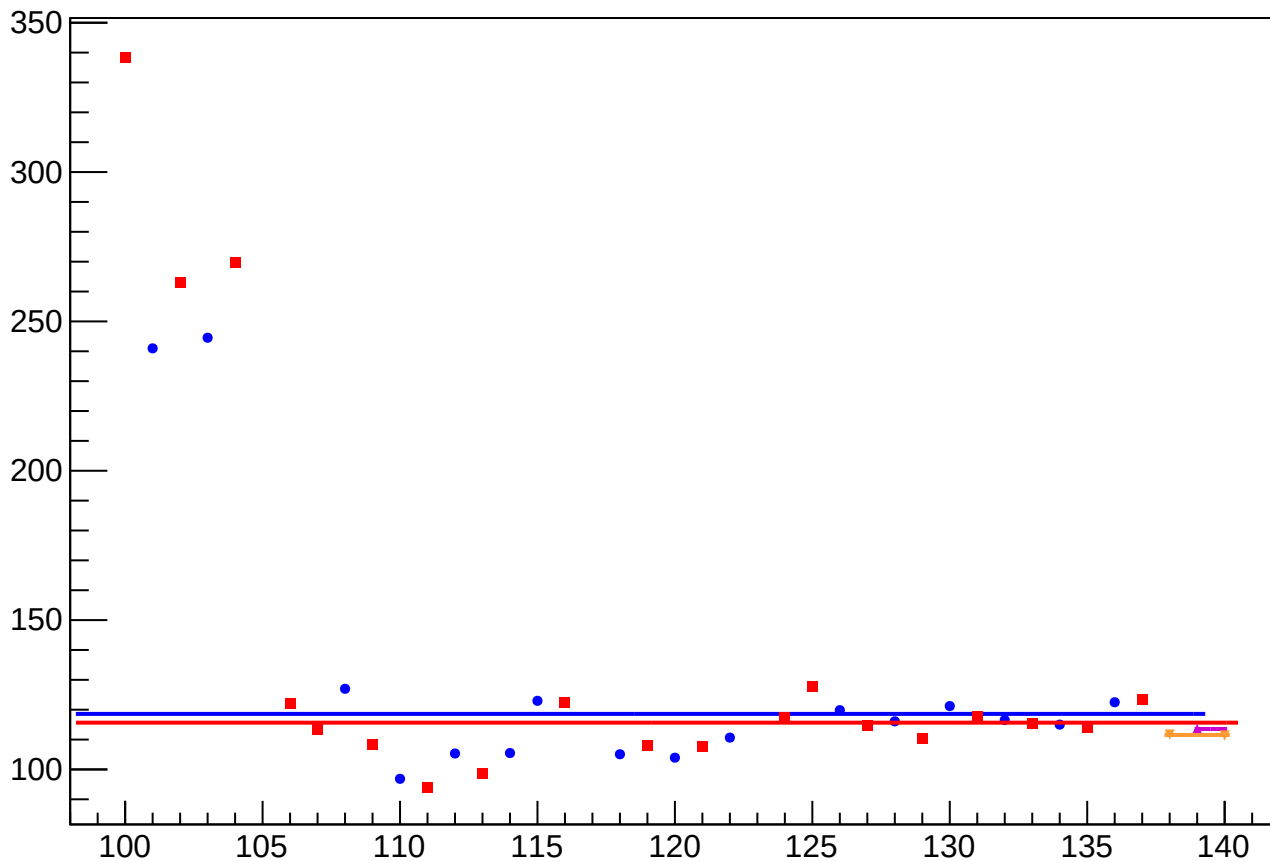
Left In: -2084.461 ± 126.561 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2039.646 ± 41.459 $\chi^2/\text{NDF}: 20214.2/17$

All: -524.961 ± 29.565 $\chi^2/\text{NDF}: 30004.6/37$

- sign 1042.354 ± 42.173 $\chi^2/\text{NDF}: 7074.4/19$

asym_bpm1i02WS_rms vs Slug



Right In: 118.596 $\pm$ 0.033 χ^2 /NDF: 734158.7/15

Left Out: 111.537 $\pm$ 0.064 χ^2 /NDF: 6.2/1

Right Out: 115.660 $\pm$ 0.032 χ^2 /NDF: 864206.3/18

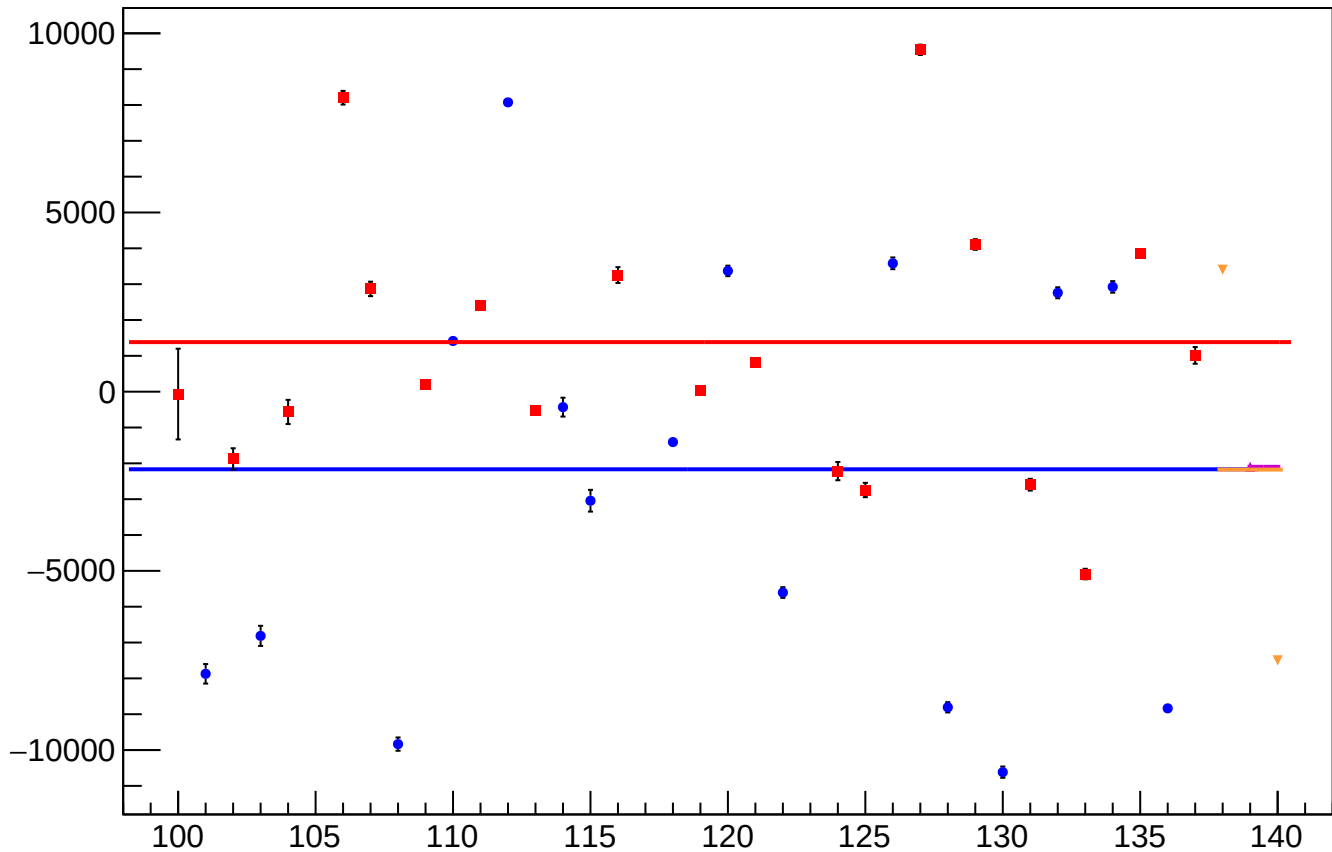
Left In: 113.548 $\pm$ 0.089 χ^2 /NDF: 0.0/0

+ sign 117.095 $\pm$ 0.029 χ^2 /NDF: 743871.1/17

All: 116.274 $\pm$ 0.021 χ^2 /NDF: 1610166.7/37

- sign 115.425 $\pm$ 0.030 χ^2 /NDF: 864701.0/19

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877 ± 39.632 $\chi^2/\text{NDF}: 22874.8/15$

Left Out: -2173.847 ± 81.238 $\chi^2/\text{NDF}: 4497.6/1$

Right Out: 1383.103 ± 37.976 $\chi^2/\text{NDF}: 9148.6/18$

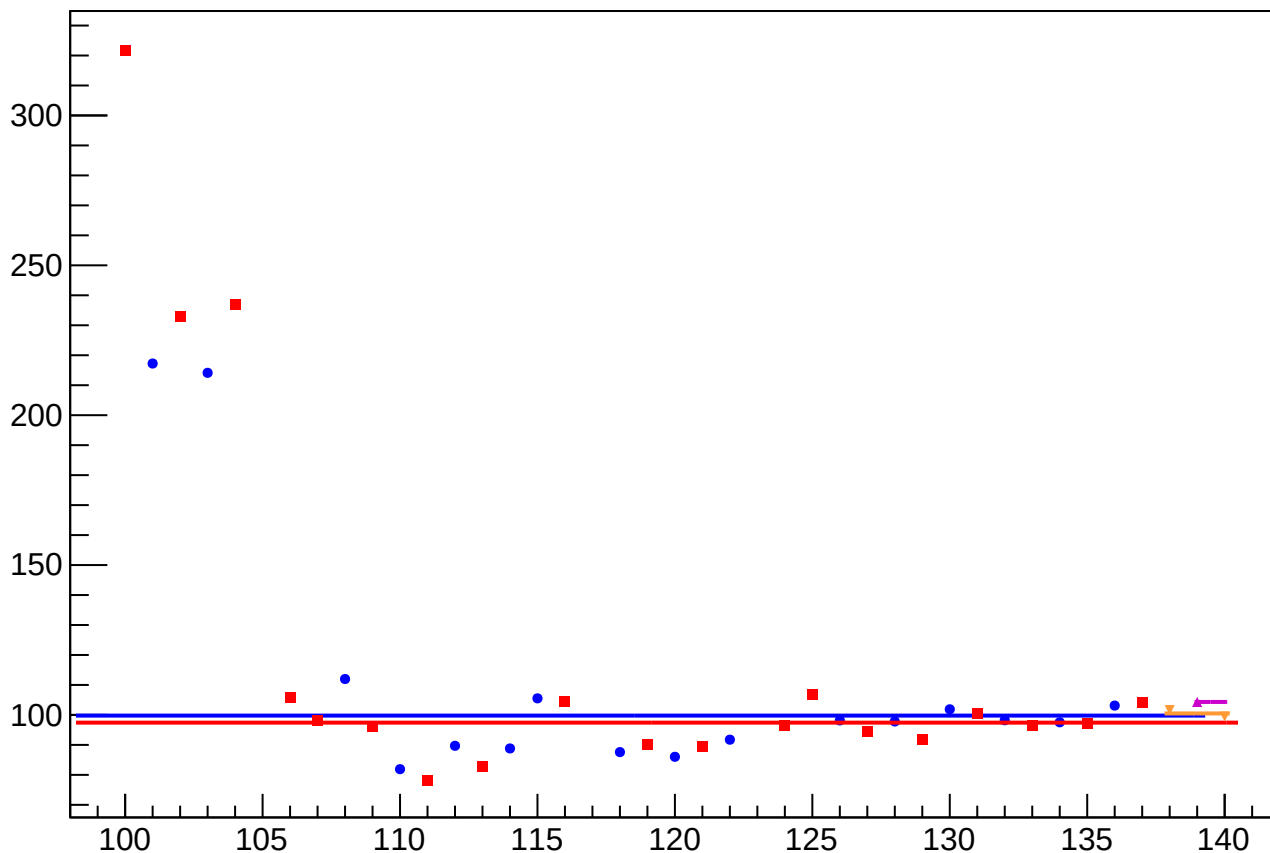
Left In: -2096.789 ± 116.434 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2167.409 ± 35.619 $\chi^2/\text{NDF}: 27372.4/17$

All: -581.179 ± 25.356 $\chi^2/\text{NDF}: 41349.0/37$

- sign 1048.512 ± 36.104 $\chi^2/\text{NDF}: 9955.9/19$

asym_bpm1i04WS_rms vs Slug



Right In: 99.775 $\pm$ 0.028 χ^2 /NDF: 809152.9/15

Left Out: 100.490 $\pm$ 0.057 χ^2 /NDF: 359.6/1

Right Out: 97.428 $\pm$ 0.027 χ^2 /NDF: 926047.7/18

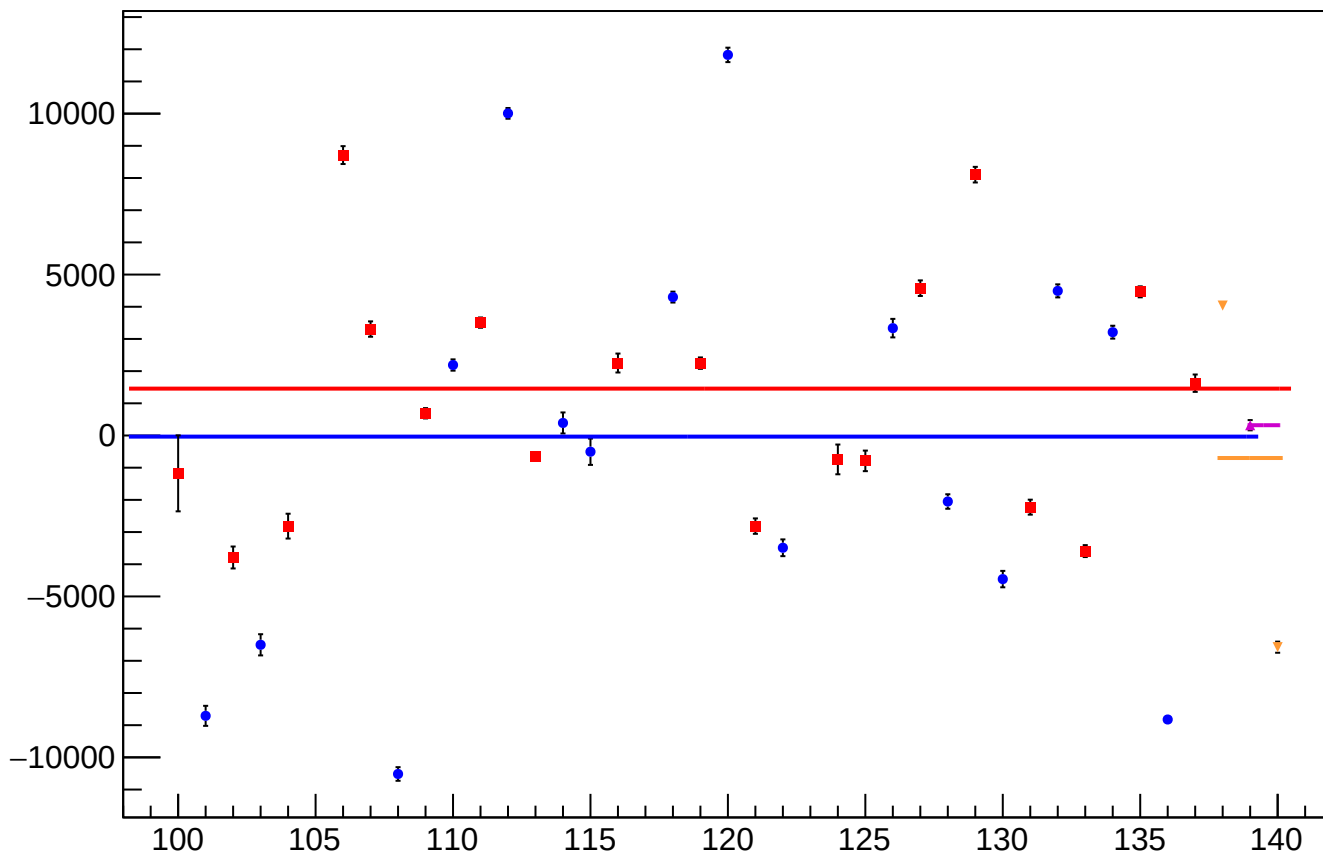
Left In: 104.330 $\pm$ 0.082 χ^2 /NDF: 0.0/0

+ sign 99.912 $\pm$ 0.025 χ^2 /NDF: 809638.0/17

All: 99.014 $\pm$ 0.018 χ^2 /NDF: 1744617.6/37

- sign 98.091 $\pm$ 0.026 χ^2 /NDF: 932401.4/19

asym_bpm1i06WS_mean vs Slug



Right In: -34.667 ± 53.465 χ^2/NDF : 16802.8/15

Left Out: -699.300 ± 115.427 χ^2/NDF : 2089.2/1

Right Out: 1456.665 ± 51.946 χ^2/NDF : 4117.0/18

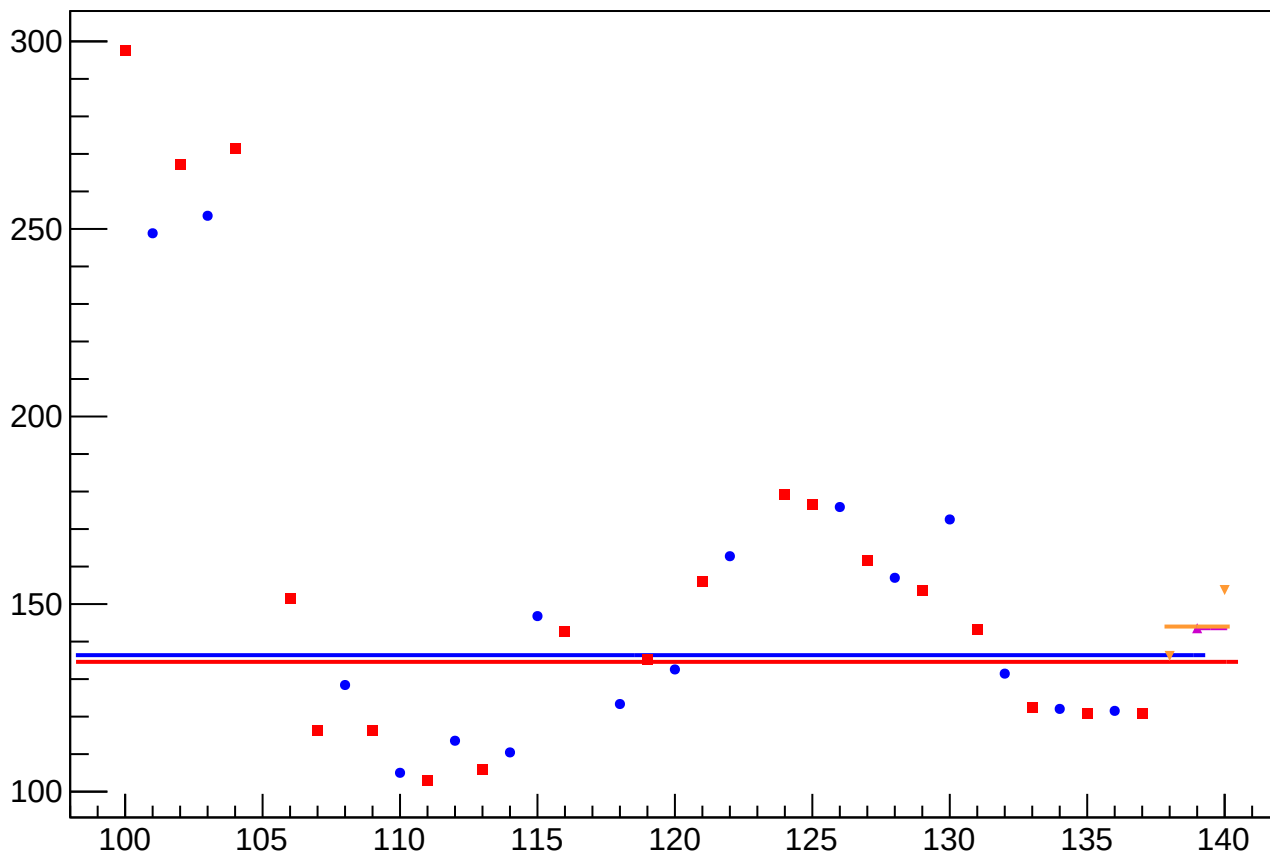
Left In: 319.848 ± 159.086 χ^2/NDF : 0.0/0

+ sign -152.074 ± 48.514 χ^2/NDF : 18919.3/17

All: 584.265 ± 34.607 χ^2/NDF : 23551.5/37

- sign 1347.136 ± 49.380 χ^2/NDF : 4163.2/19

asym_bpm1i06WS_rms vs Slug



Right In: 136.383 $\pm$ 0.038 χ^2 /NDF: 796855.7/15

Left Out: 144.008 $\pm$ 0.082 χ^2 /NDF:11449.5/1

Right Out: 134.598 $\pm$ 0.037 χ^2 /NDF: 919605.2/18

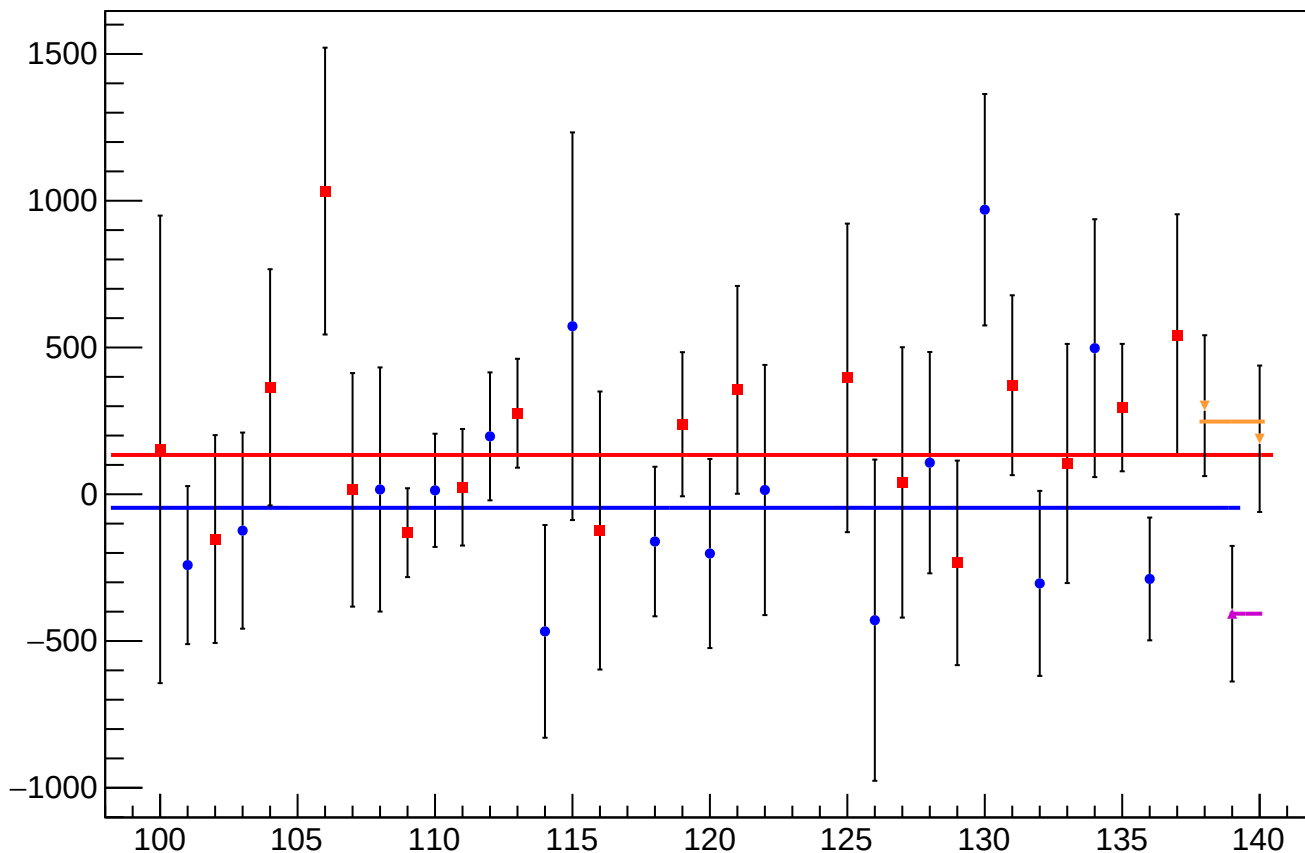
Left In: 143.567 $\pm$ 0.112 χ^2 /NDF:0.0/0

+ sign 137.730 $\pm$ 0.034 χ^2 /NDF: 815491.0/17

All: 136.616 $\pm$ 0.024 χ^2 /NDF: 1742986.6/37

- sign 135.462 $\pm$ 0.035 χ^2 /NDF: 925349.1/19

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199 ± 76.283 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 247.638 ± 172.920 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 133.913 ± 68.414 $\chi^2/\text{NDF}: 12.8/17$

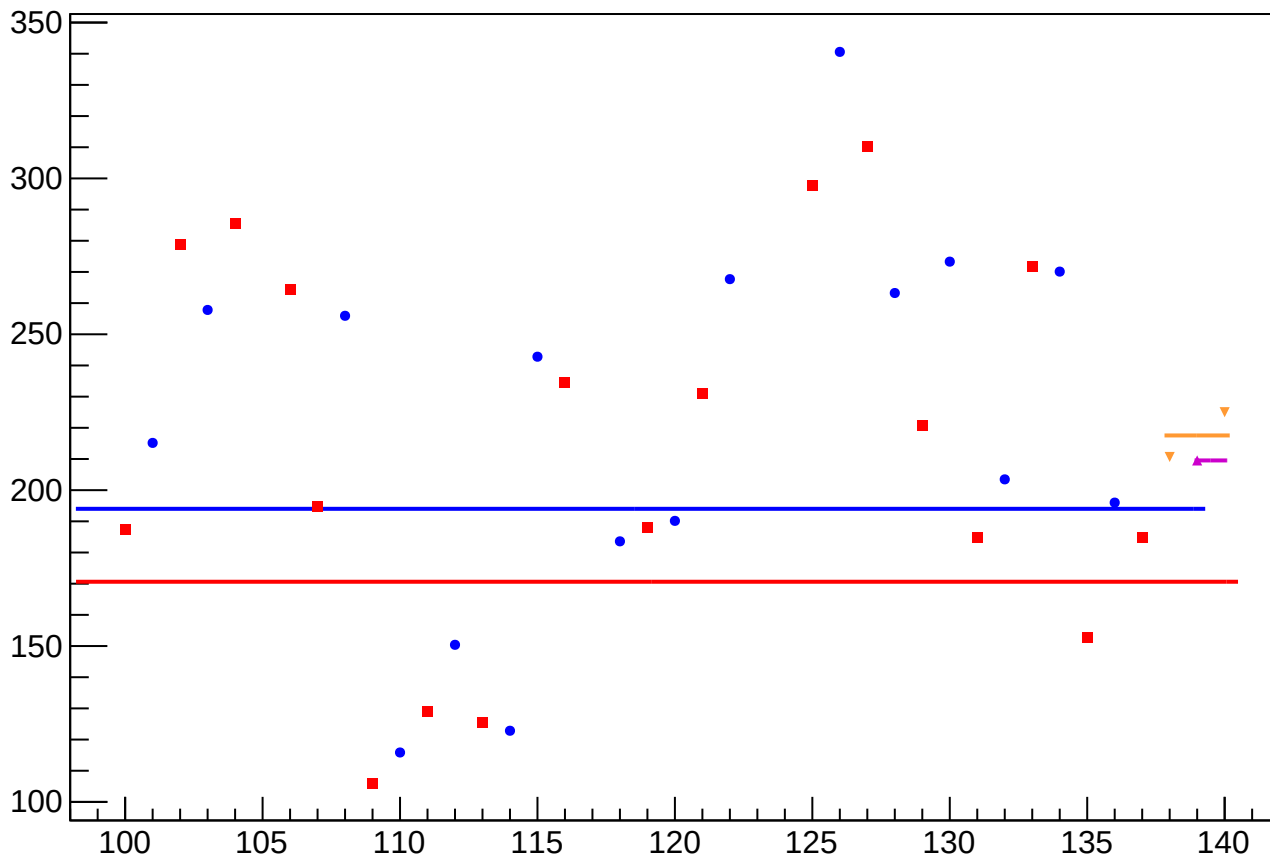
Left In: -406.940 ± 231.018 $\chi^2/\text{NDF}: 0.0/0$

+ sign 1.669 ± 69.793 $\chi^2/\text{NDF}: 18.0/17$

All: 48.731 ± 47.799 $\chi^2/\text{NDF}: 36.7/36$

- sign 90.305 ± 65.598 $\chi^2/\text{NDF}: 17.9/18$

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017 $\pm$ 0.054 χ^2 /NDF: 1043588.7/15

Left Out: 217.551 $\pm$ 0.122 χ^2 /NDF:3442.2/1

Right Out: 170.624 $\pm$ 0.048 χ^2 /NDF: 1593735.4/17

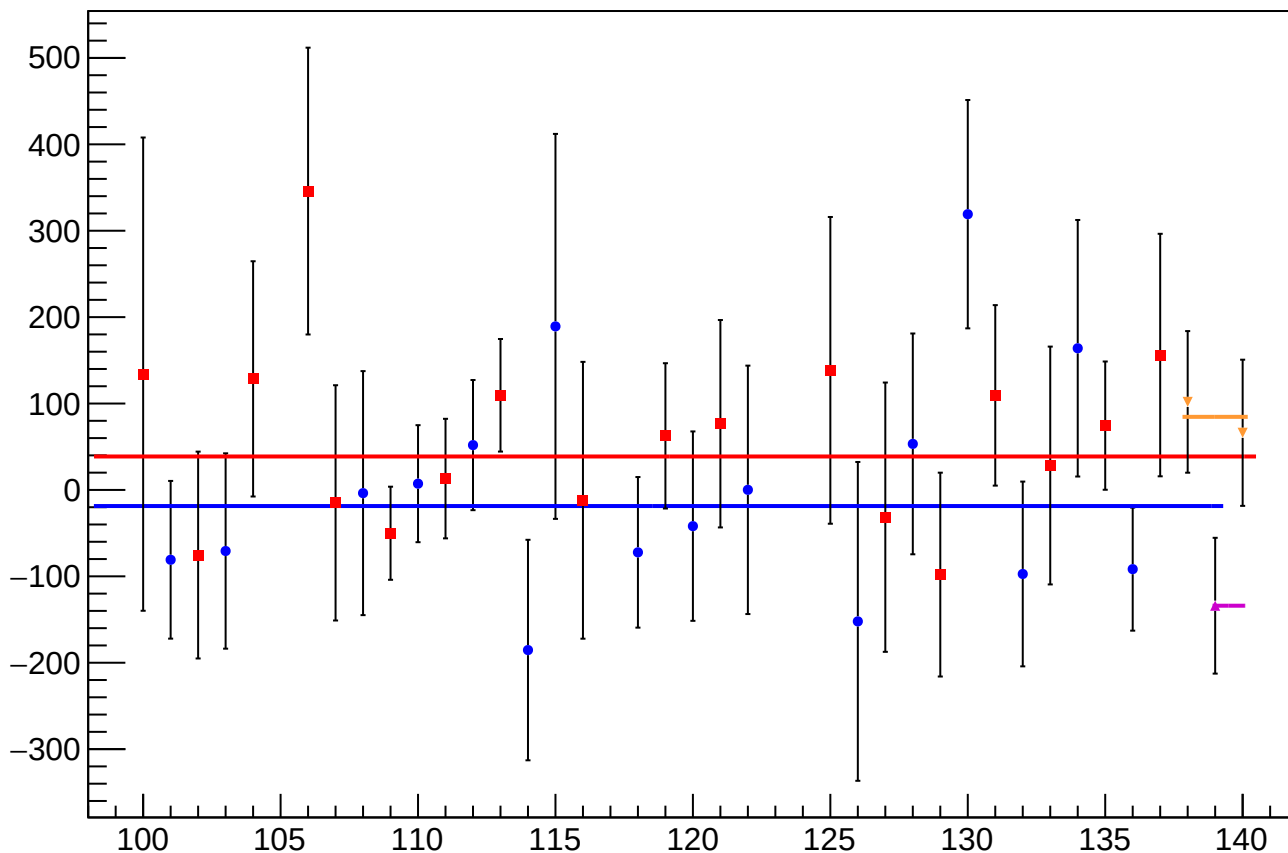
Left In: 209.535 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 197.851 $\pm$ 0.049 χ^2 /NDF: 1078041.4/17

All: 185.060 $\pm$ 0.034 χ^2 /NDF: 2850454.2/36

- sign 173.761 $\pm$ 0.046 χ^2 /NDF: 1645901.1/18

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645 ± 26.122 χ^2/NDF : 15.2/15

Left Out: 84.590 ± 58.863 χ^2/NDF : 0.1/1

Right Out: 38.716 ± 23.652 χ^2/NDF : 12.6/17

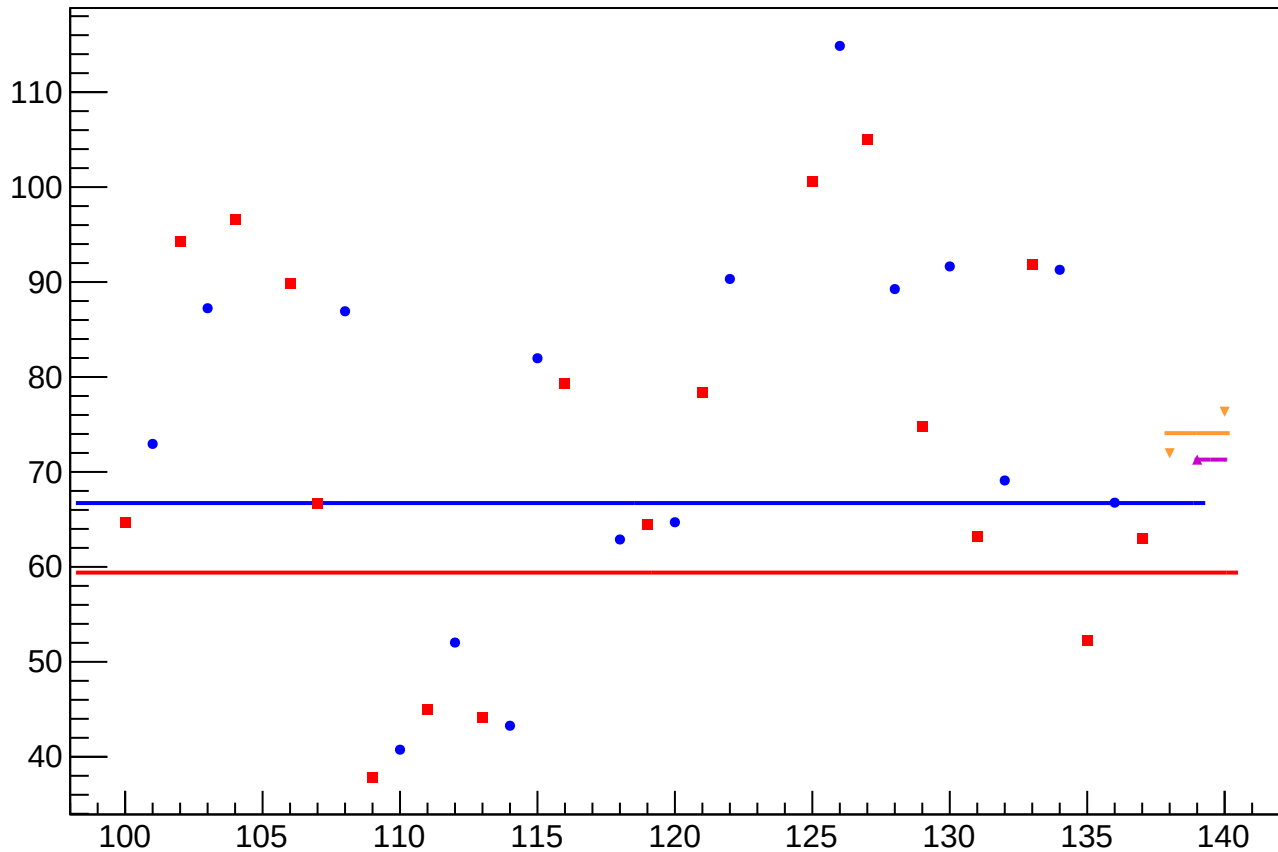
Left In: -134.002 ± 78.587 χ^2/NDF : 0.0/0

+ sign -1.658 ± 23.877 χ^2/NDF : 17.9/17

All: 12.043 ± 16.432 χ^2/NDF : 35.5/36

- sign 24.371 ± 22.648 χ^2/NDF : 17.0/18

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724 $\pm$ 0.018 χ^2 /NDF: 947040.2/15

Left Out: 74.086 $\pm$ 0.042 χ^2 /NDF: 2756.4/1

Right Out: 59.400 $\pm$ 0.017 χ^2 /NDF: 1445371.1/17

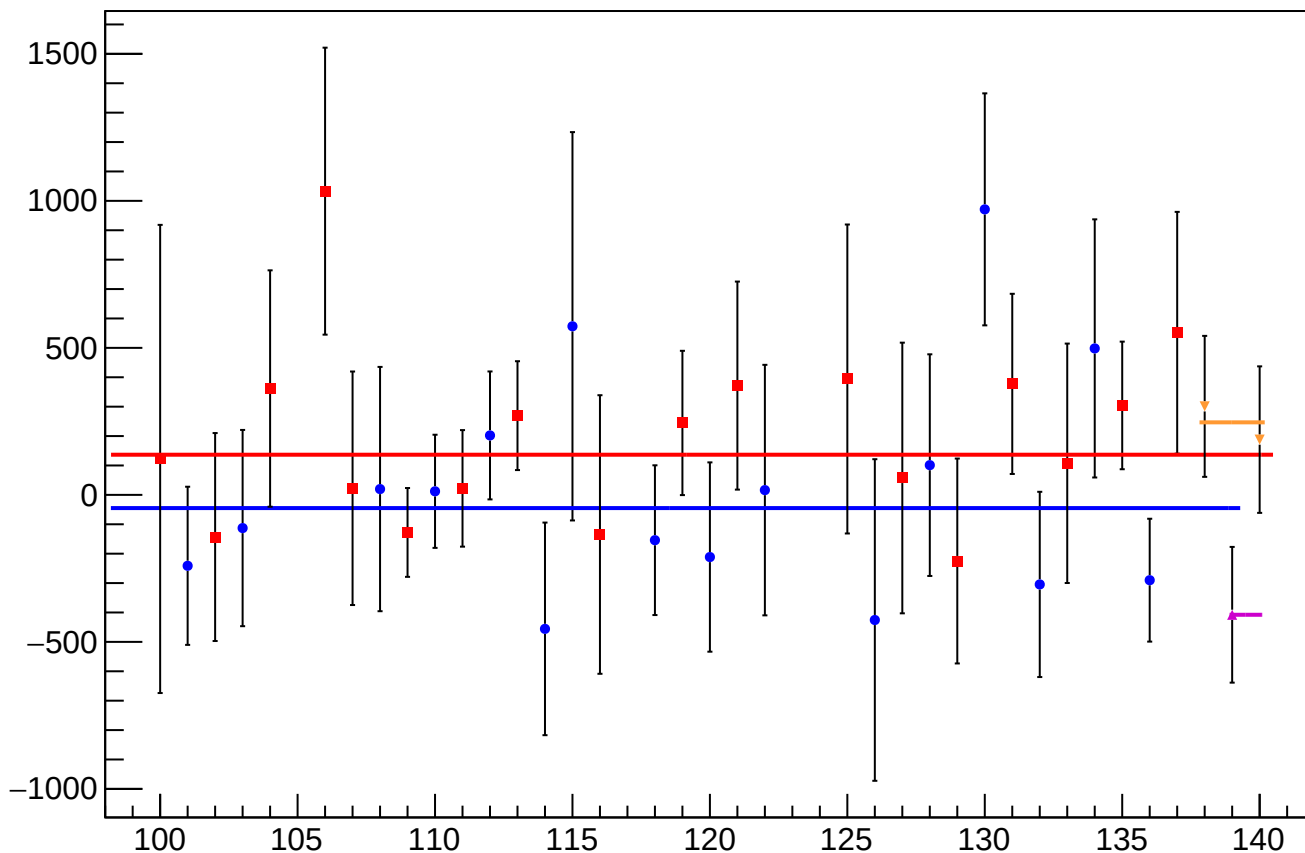
Left In: 71.299 $\pm$ 0.056 χ^2 /NDF: 0.0/0

+ sign 67.936 $\pm$ 0.017 χ^2 /NDF: 975929.2/17

All: 63.963 $\pm$ 0.012 χ^2 /NDF: 2568512.3/36

- sign 60.389 $\pm$ 0.016 χ^2 /NDF: 1487409.2/18

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917 ± 76.198 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 246.668 ± 172.758 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 136.579 ± 68.322 $\chi^2/\text{NDF}: 12.9/17$

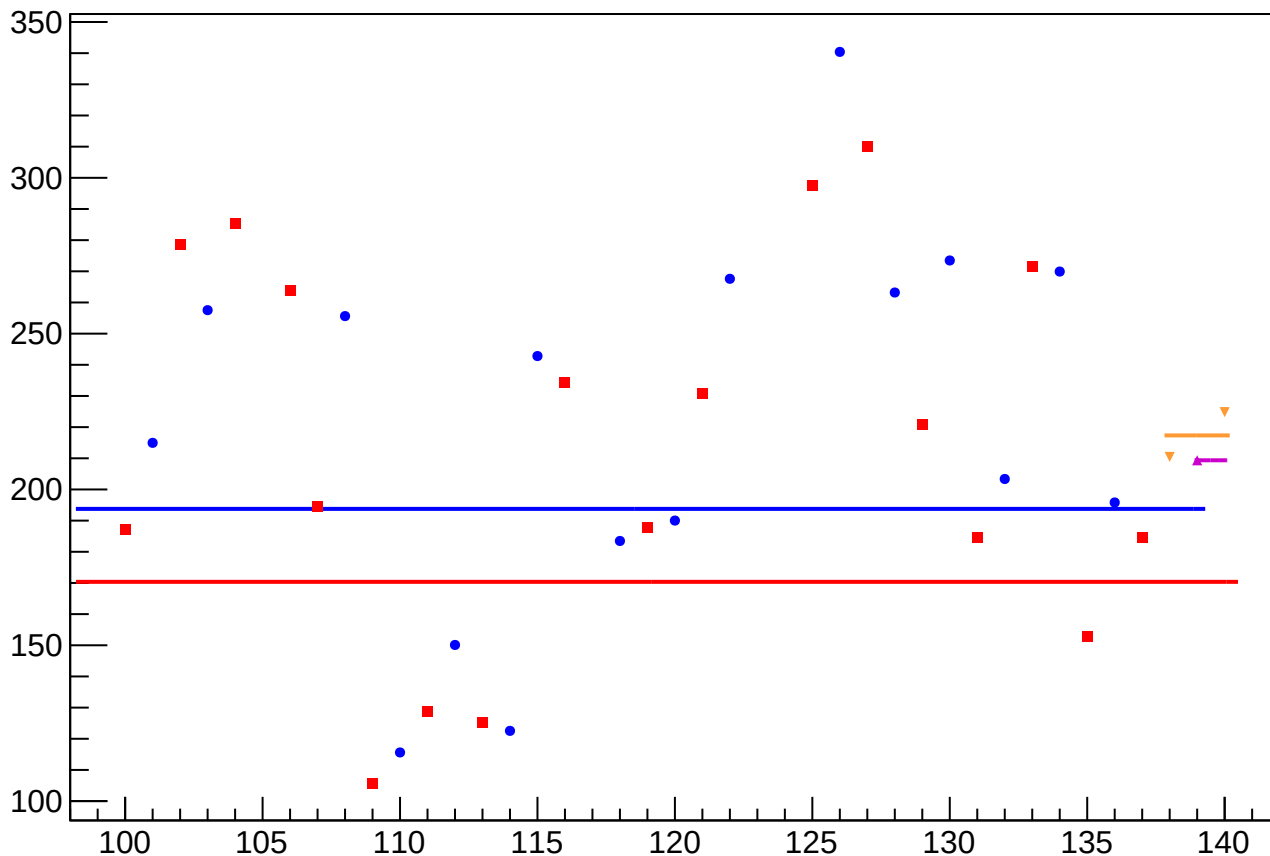
Left In: -407.815 ± 230.829 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2.571 ± 69.718 $\chi^2/\text{NDF}: 18.0/17$

All: 50.450 ± 47.742 $\chi^2/\text{NDF}: 36.8/36$

- sign 92.727 ± 65.513 $\chi^2/\text{NDF}: 18.0/18$

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768 $\pm$ 0.054 χ^2 /NDF: 1048095.1/15

Left Out: 217.347 $\pm$ 0.122 χ^2 /NDF:3450.2/1

Right Out: 170.358 $\pm$ 0.048 χ^2 /NDF: 1599025.1/17

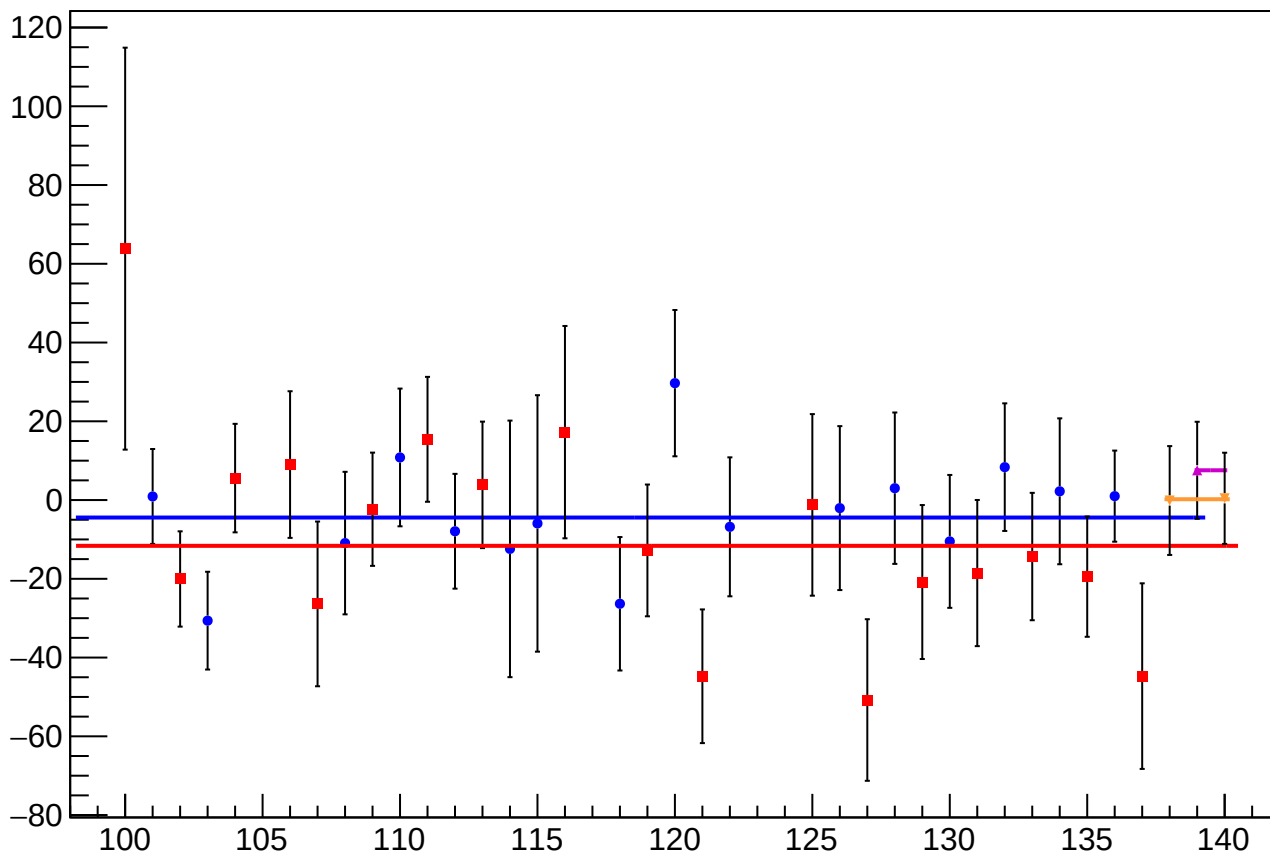
Left In: 209.362 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 197.608 $\pm$ 0.049 χ^2 /NDF: 1082735.2/17

All: 184.805 $\pm$ 0.034 χ^2 /NDF: 2861272.5/36

- sign 173.499 $\pm$ 0.046 χ^2 /NDF: 1651531.0/18

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440 $\pm$ 4.131 χ^2 /NDF: 12.0/15

Left Out: 0.210 $\pm$ 8.875 χ^2 /NDF:0.0/1

Right Out: -11.627 $\pm$ 4.137 χ^2 /NDF: 21.6/17

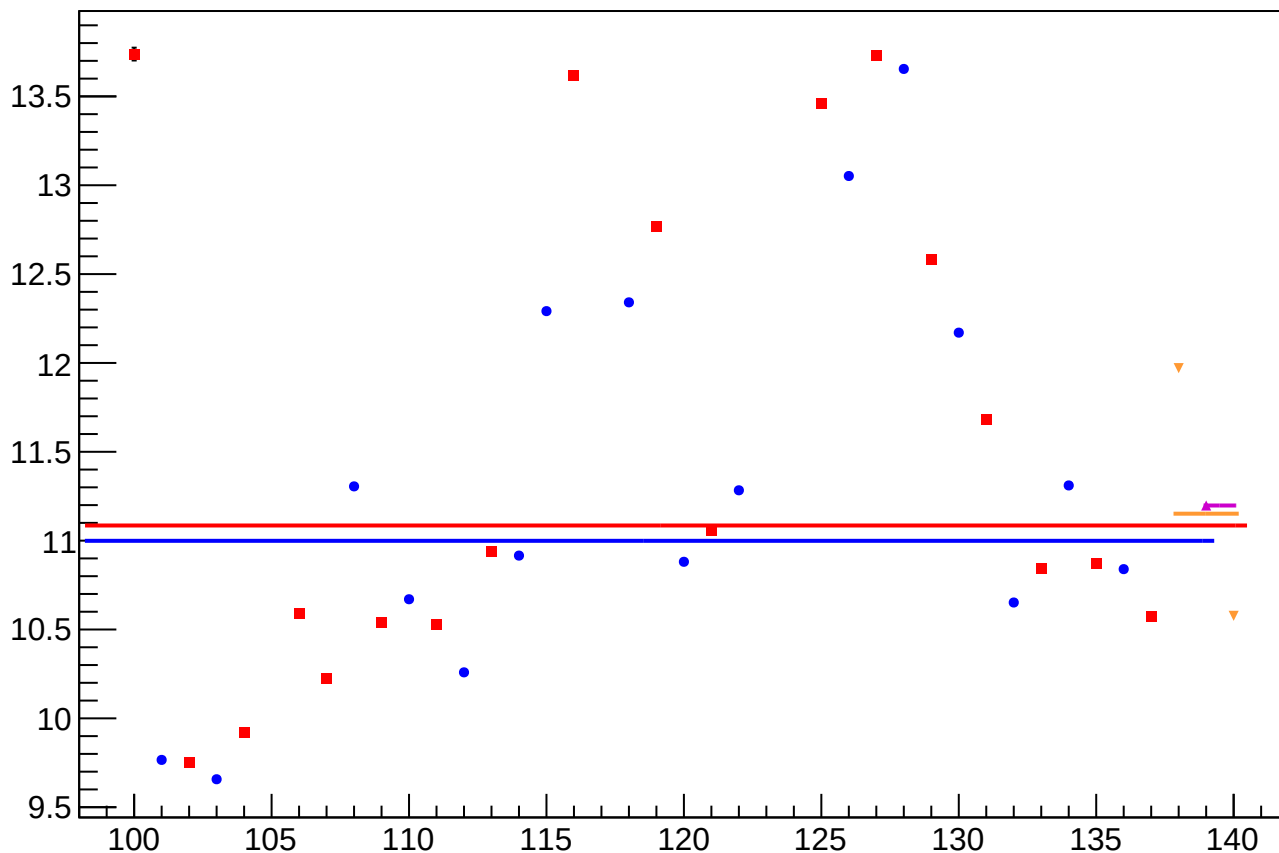
Left In: 7.559 $\pm$ 12.319 χ^2 /NDF:0.0/0

+ sign -3.612 $\pm$ 3.745 χ^2 /NDF: 12.2/17

All: -6.508 $\pm$ 2.708 χ^2 /NDF: 37.3/36

- sign -9.683 $\pm$ 3.921 χ^2 /NDF: 23.8/18

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999 $\pm$ 0.003 χ^2 /NDF: 136159.2/15

Left Out: 11.152 $\pm$ 0.006 χ^2 /NDF: 11952.4/1

Right Out: 11.085 $\pm$ 0.003 χ^2 /NDF: 162204.2/17

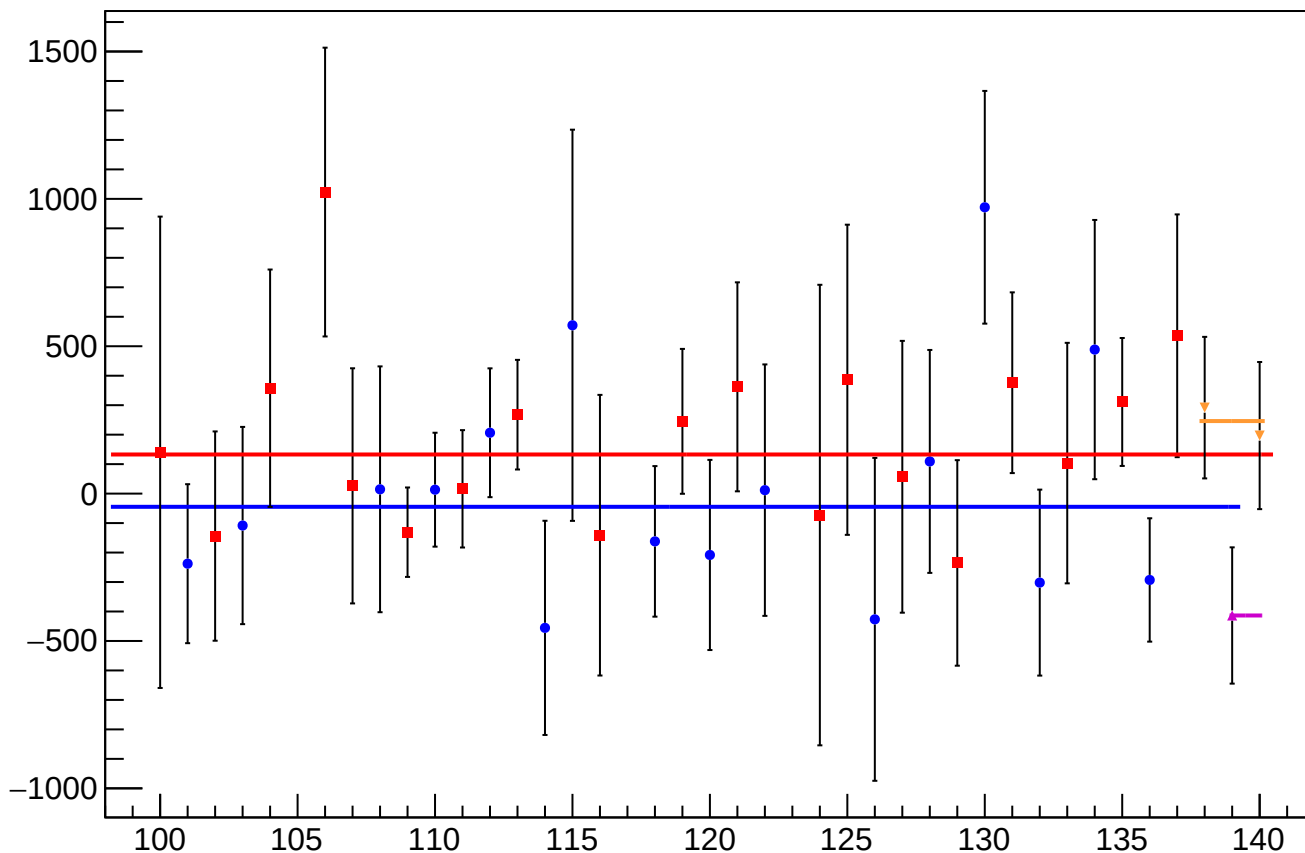
Left In: 11.198 $\pm$ 0.009 χ^2 /NDF: 0.0/0

+ sign 11.026 $\pm$ 0.003 χ^2 /NDF: 148598.1/17

All: 11.060 $\pm$ 0.002 χ^2 /NDF: 311290.1/36

- sign 11.097 $\pm$ 0.003 χ^2 /NDF: 162354.1/18

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797 ± 76.424 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 246.118 ± 173.048 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 132.730 ± 68.270 $\chi^2/\text{NDF}: 12.9/18$

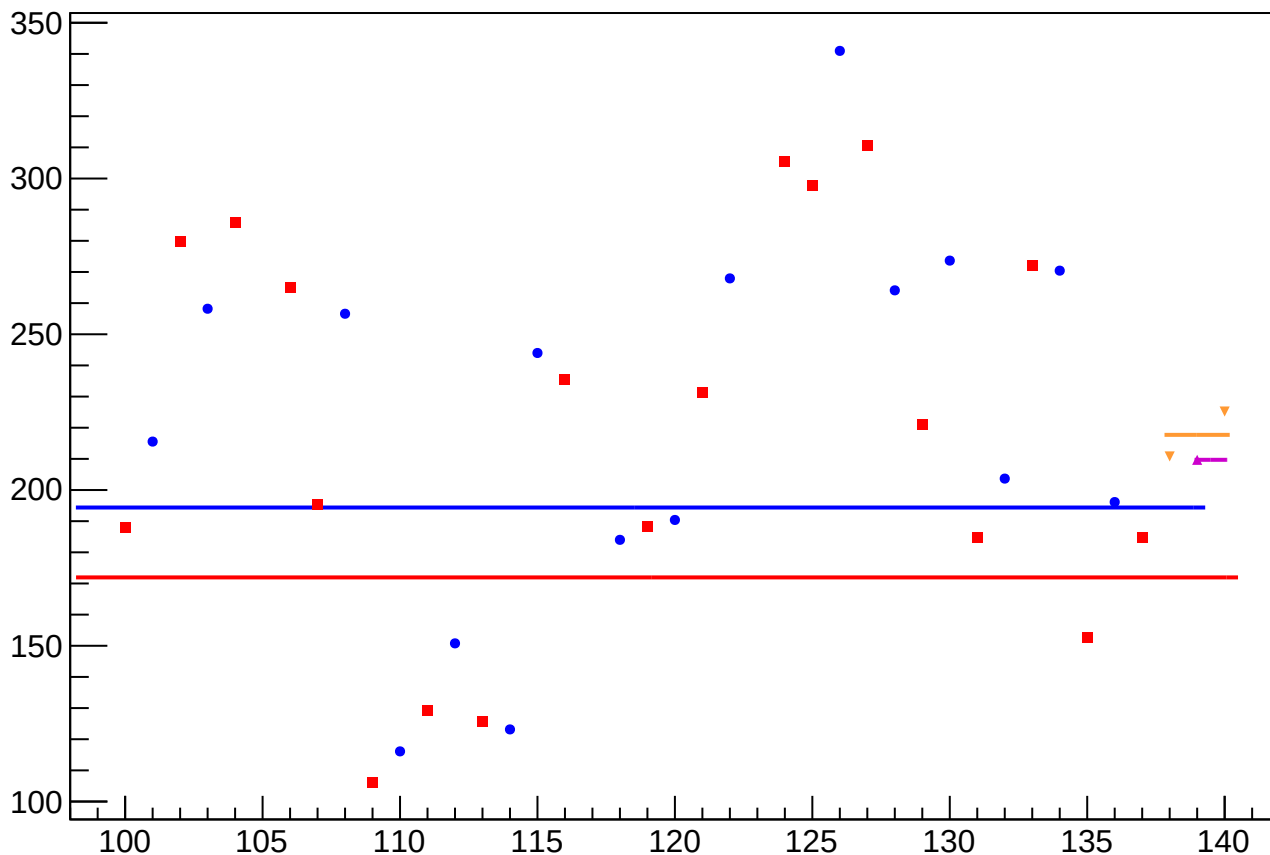
Left In: -413.522 ± 231.204 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2.682 ± 69.909 $\chi^2/\text{NDF}: 17.9/17$

All: 48.624 ± 47.789 $\chi^2/\text{NDF}: 36.7/37$

- sign 88.922 ± 65.475 $\chi^2/\text{NDF}: 18.0/19$

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385 $\pm$ 0.054 χ^2 /NDF: 1042024.1/15

Left Out: 217.710 $\pm$ 0.122 χ^2 /NDF:3465.9/1

Right Out: 171.949 $\pm$ 0.048 χ^2 /NDF: 1651343.7/18

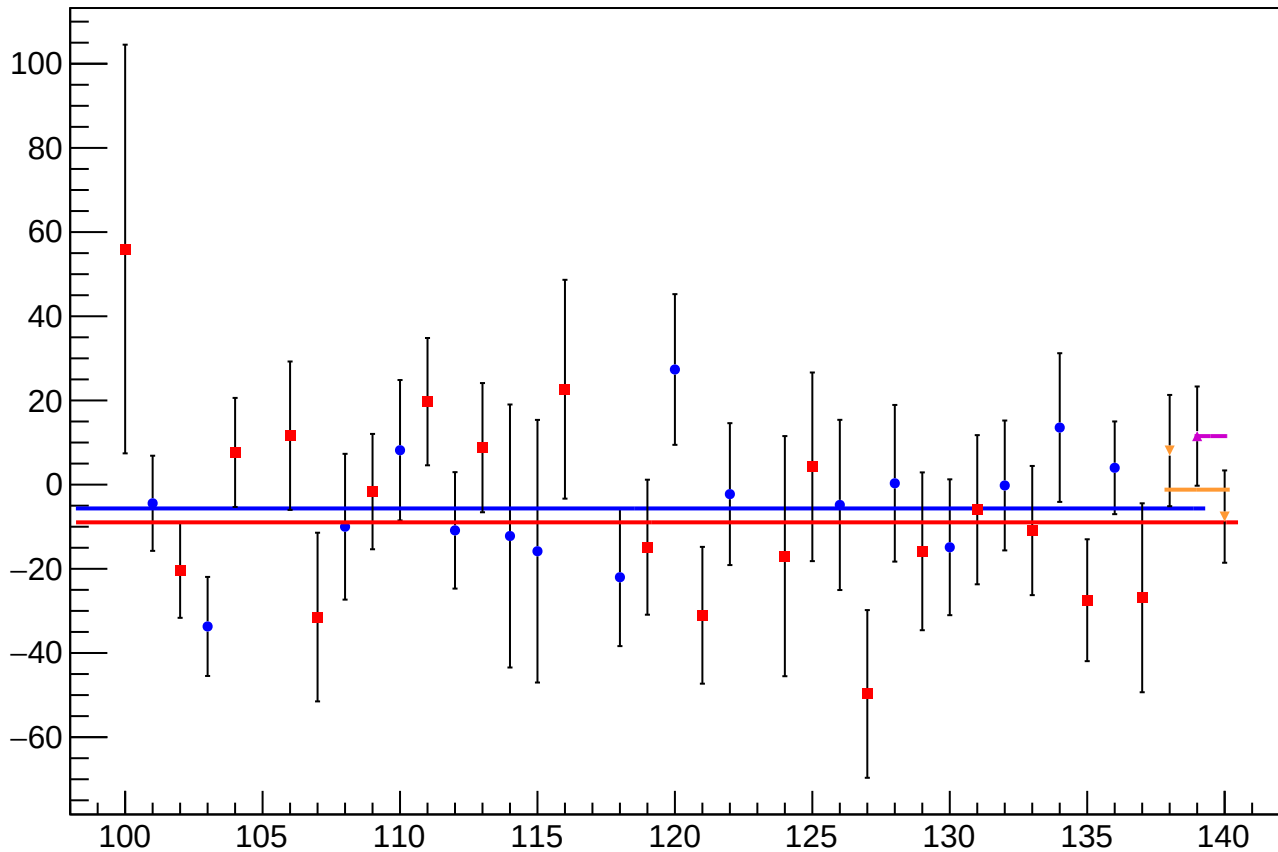
Left In: 209.701 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 198.192 $\pm$ 0.049 χ^2 /NDF: 1075896.7/17

All: 185.825 $\pm$ 0.034 χ^2 /NDF: 2893781.9/37

- sign 174.977 $\pm$ 0.046 χ^2 /NDF: 1700392.1/19

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657 ± 3.939 χ^2/NDF : 13.7/15

Left Out: -1.195 ± 8.439 χ^2/NDF : 0.8/1

Right Out: -8.960 ± 3.901 χ^2/NDF : 22.8/18

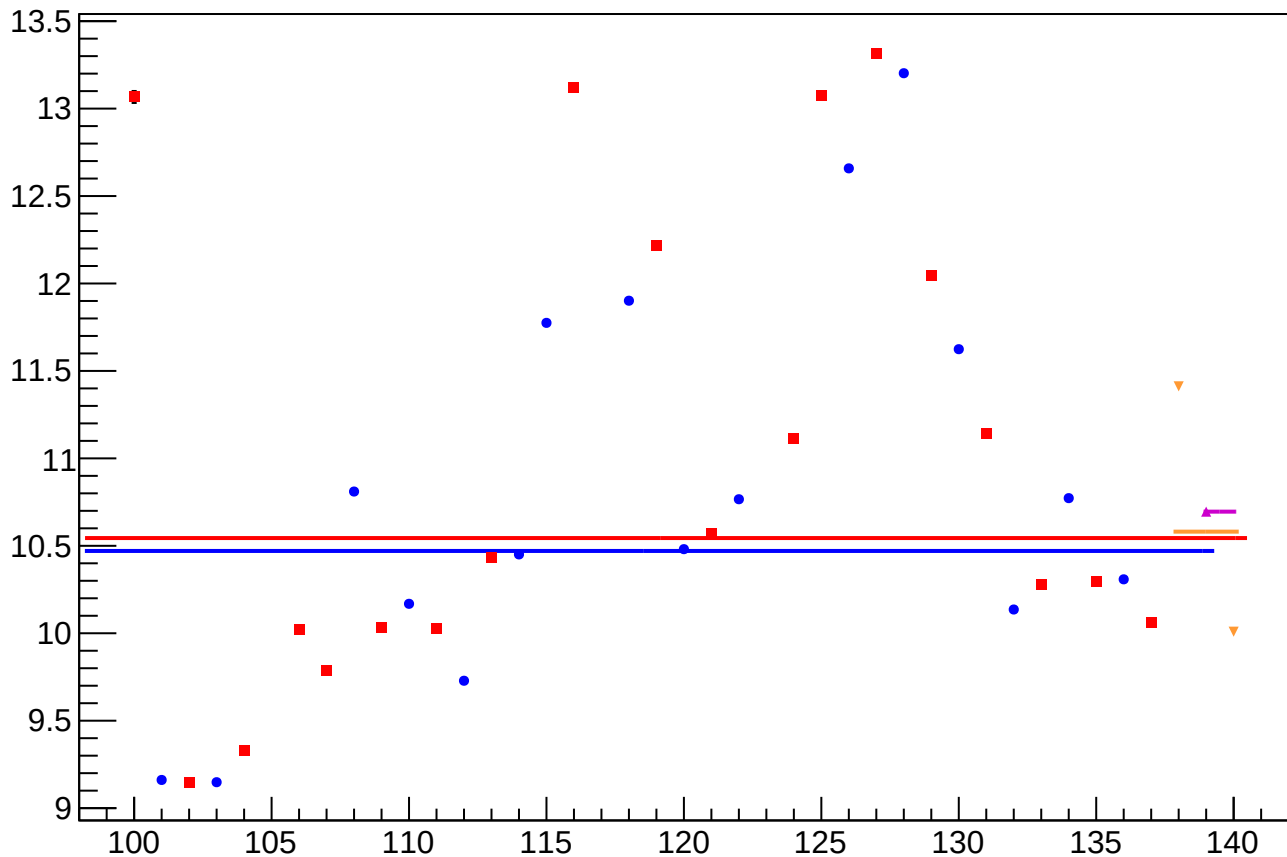
Left In: 11.529 ± 11.789 χ^2/NDF : 0.0/0

+ sign -4.859 ± 3.569 χ^2/NDF : 14.7/17

All: -5.860 ± 2.570 χ^2/NDF : 40.4/37

- sign -6.938 ± 3.703 χ^2/NDF : 25.5/19

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471 ± 0.003 χ^2/NDF : 157365.8/15

Left Out: 10.581 ± 0.006 χ^2/NDF : 13347.0/1

Right Out: 10.544 ± 0.003 χ^2/NDF : 186780.3/18

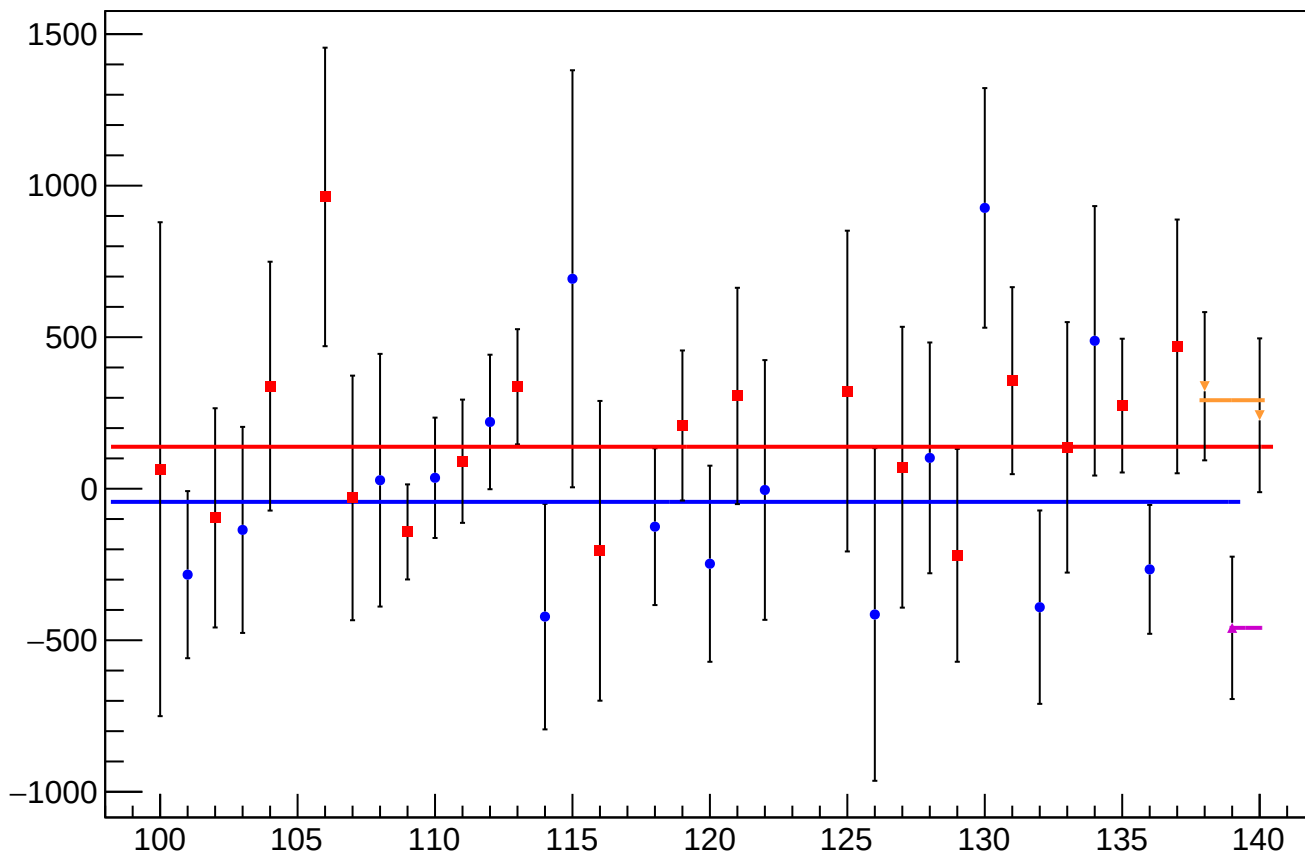
Left In: 10.695 ± 0.008 χ^2/NDF : 0.0/0

+ sign 10.490 ± 0.003 χ^2/NDF : 170993.9/17

All: 10.524 ± 0.002 χ^2/NDF : 358429.0/37

- sign 10.559 ± 0.003 χ^2/NDF : 187076.1/19

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384 ± 77.584 χ^2/NDF : 15.5/15

Left Out: 292.026 ± 176.090 χ^2/NDF : 0.1/1

Right Out: 138.455 ± 69.833 χ^2/NDF : 11.5/17

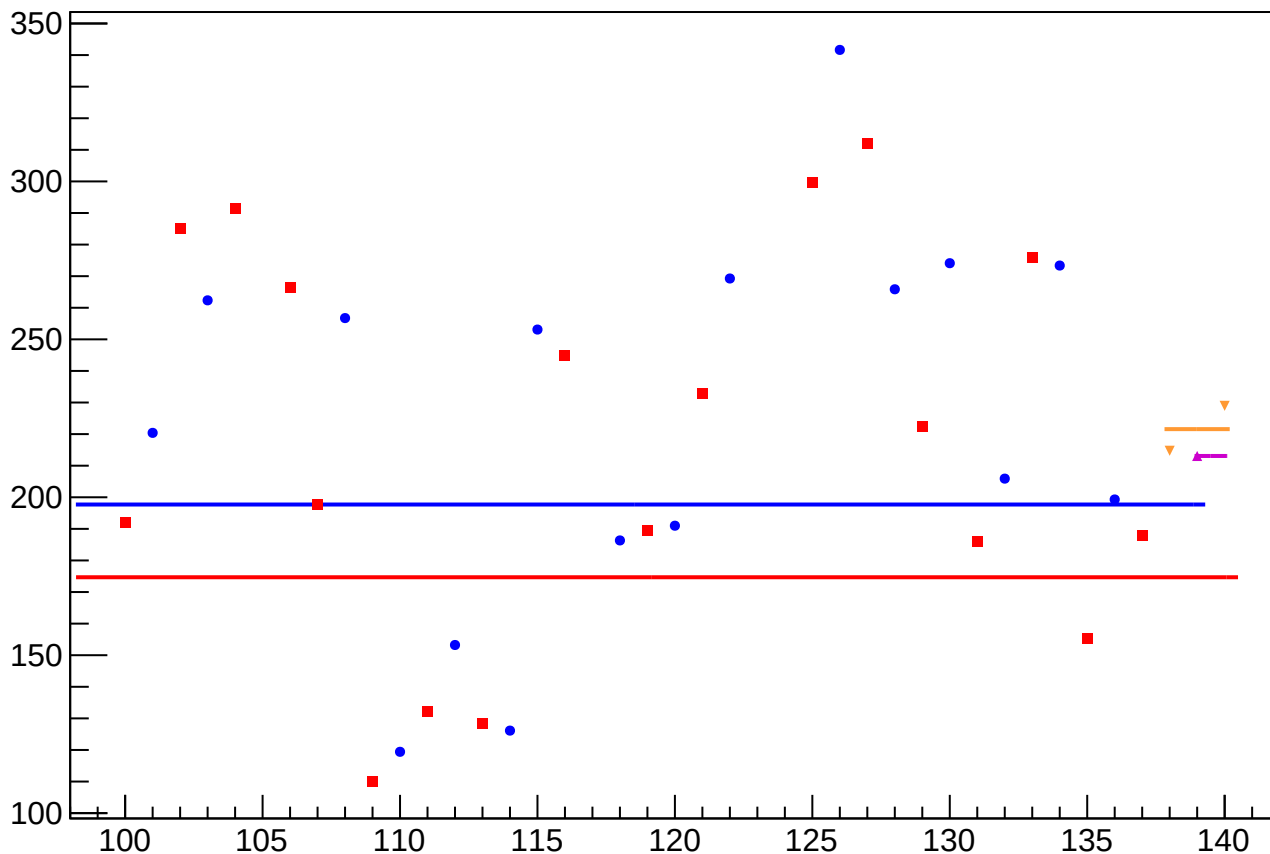
Left In: -459.093 ± 234.896 χ^2/NDF : 0.0/0

+ sign 11.142 ± 70.998 χ^2/NDF : 18.6/17

All: 52.853 ± 48.704 χ^2/NDF : 36.6/36

- sign 89.930 ± 66.938 χ^2/NDF : 17.4/18

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707 $\pm$ 0.055 χ^2 /NDF: 1000324.6/15

Left Out: 221.576 $\pm$ 0.125 χ^2 /NDF:3257.7/1

Right Out: 174.679 $\pm$ 0.049 χ^2 /NDF: 1534751.1/17

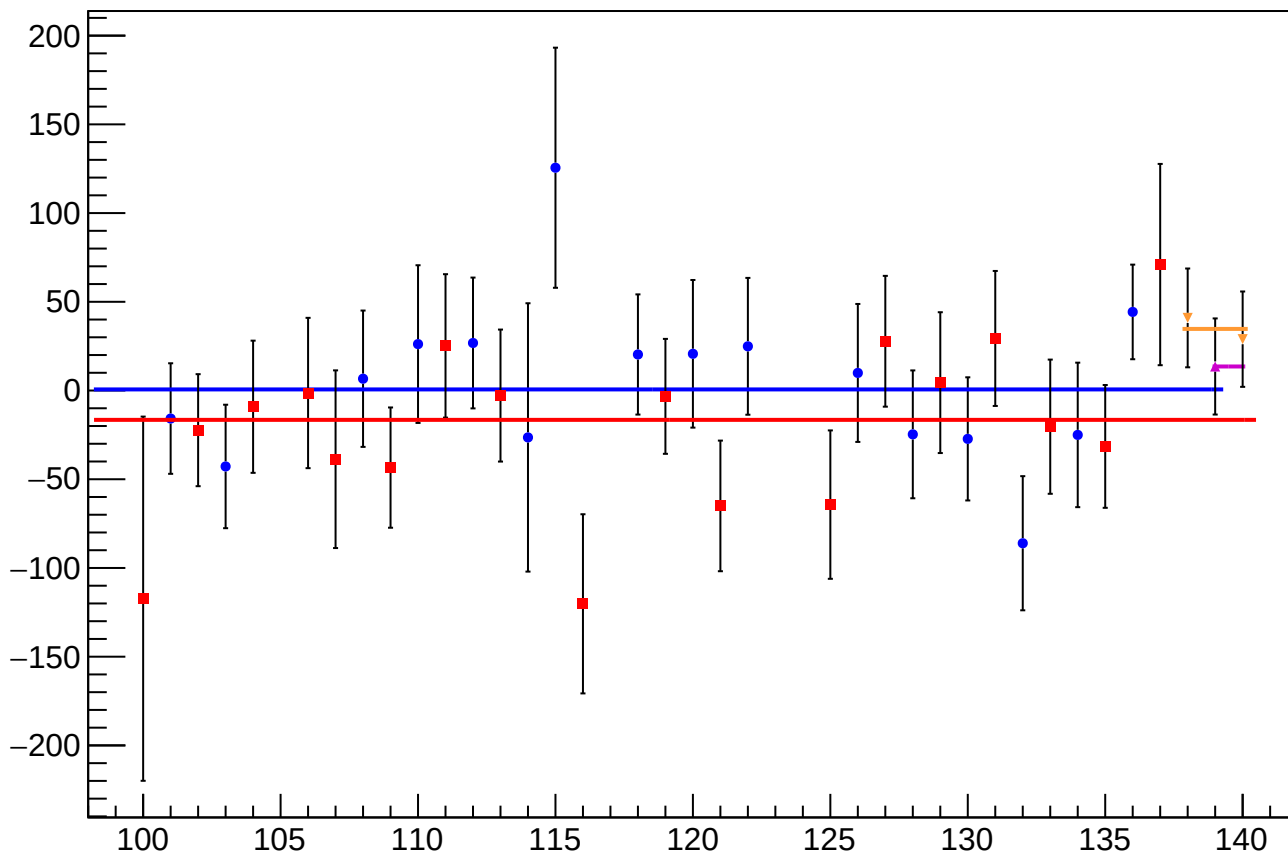
Left In: 213.079 $\pm$ 0.166 χ^2 /NDF:0.0/0

+ sign 201.587 $\pm$ 0.050 χ^2 /NDF: 1034354.7/17

All: 188.993 $\pm$ 0.034 χ^2 /NDF: 2737098.5/36

- sign 177.797 $\pm$ 0.047 χ^2 /NDF: 1583858.7/18

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619 ± 9.421 χ^2/NDF : 16.7/15

Left Out: 34.719 ± 19.334 χ^2/NDF : 0.1/1

Right Out: -16.534 ± 9.307 χ^2/NDF : 16.4/17

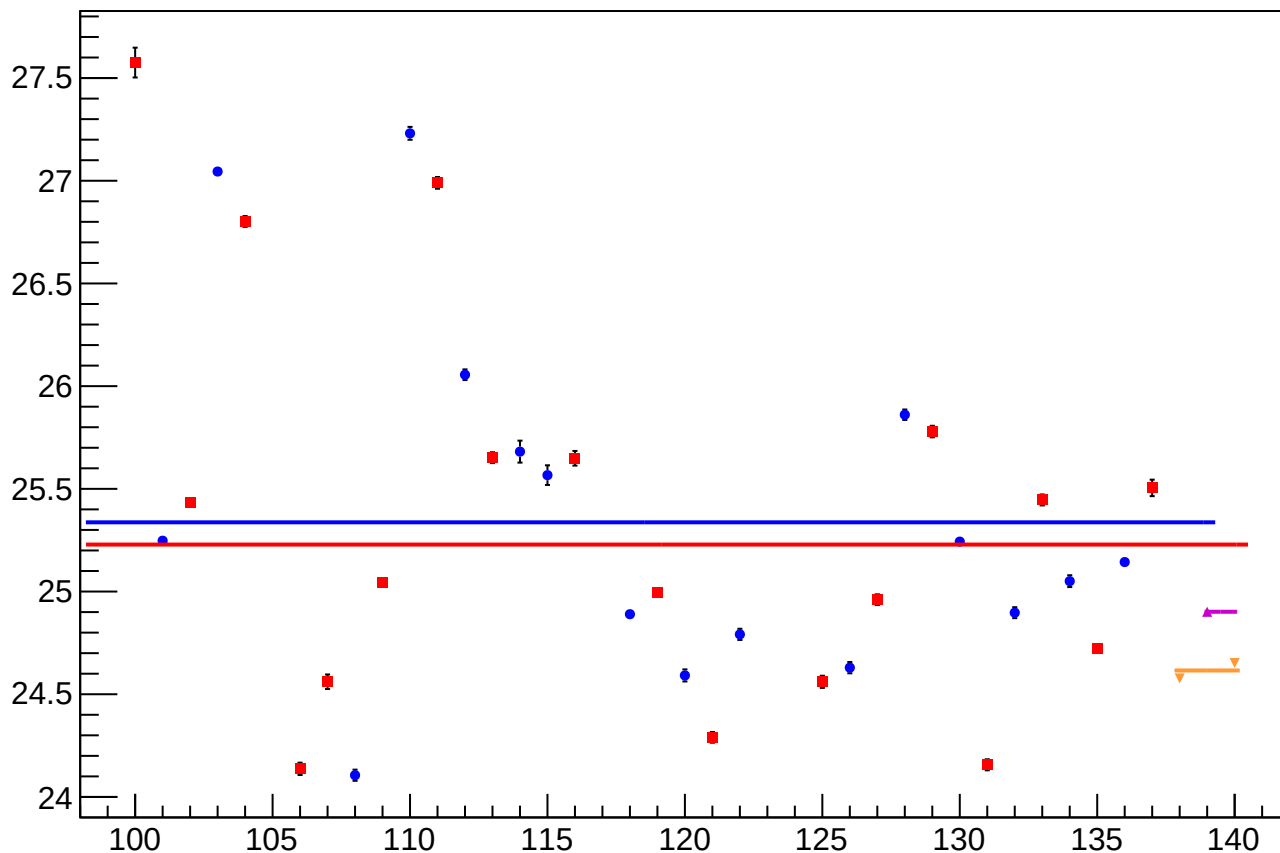
Left In: 13.550 ± 27.085 χ^2/NDF : 0.0/0

+ sign 7.163 ± 8.469 χ^2/NDF : 19.3/17

All: -2.702 ± 6.103 χ^2/NDF : 39.6/36

- sign -13.357 ± 8.802 χ^2/NDF : 17.5/18

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337 $\pm$ 0.007 χ^2 /NDF: 14315.0/15

Left Out: 24.616 $\pm$ 0.014 χ^2 /NDF: 7.5/1

Right Out: 25.229 $\pm$ 0.007 χ^2 /NDF: 15176.1/17

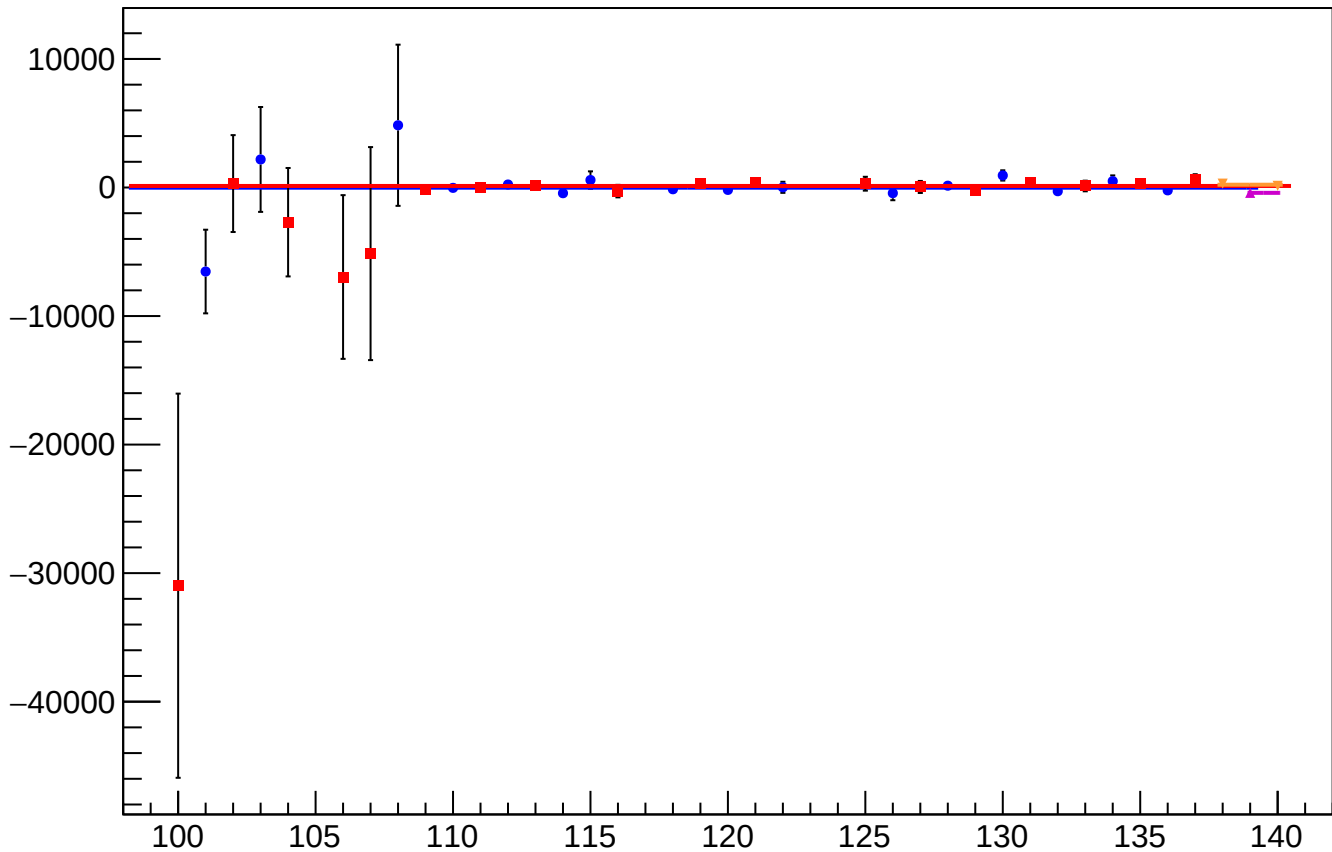
Left In: 24.902 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 25.199 $\pm$ 0.006 χ^2 /NDF: 16571.7/17

All: 25.197 $\pm$ 0.004 χ^2 /NDF: 32009.0/36

- sign 25.194 $\pm$ 0.006 χ^2 /NDF: 15437.1/18

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160 ± 84.454 χ^2/NDF : 18.3/15

Left Out: 217.227 ± 171.670 χ^2/NDF : 0.2/1

Right Out: 119.984 ± 78.247 χ^2/NDF : 14.4/17

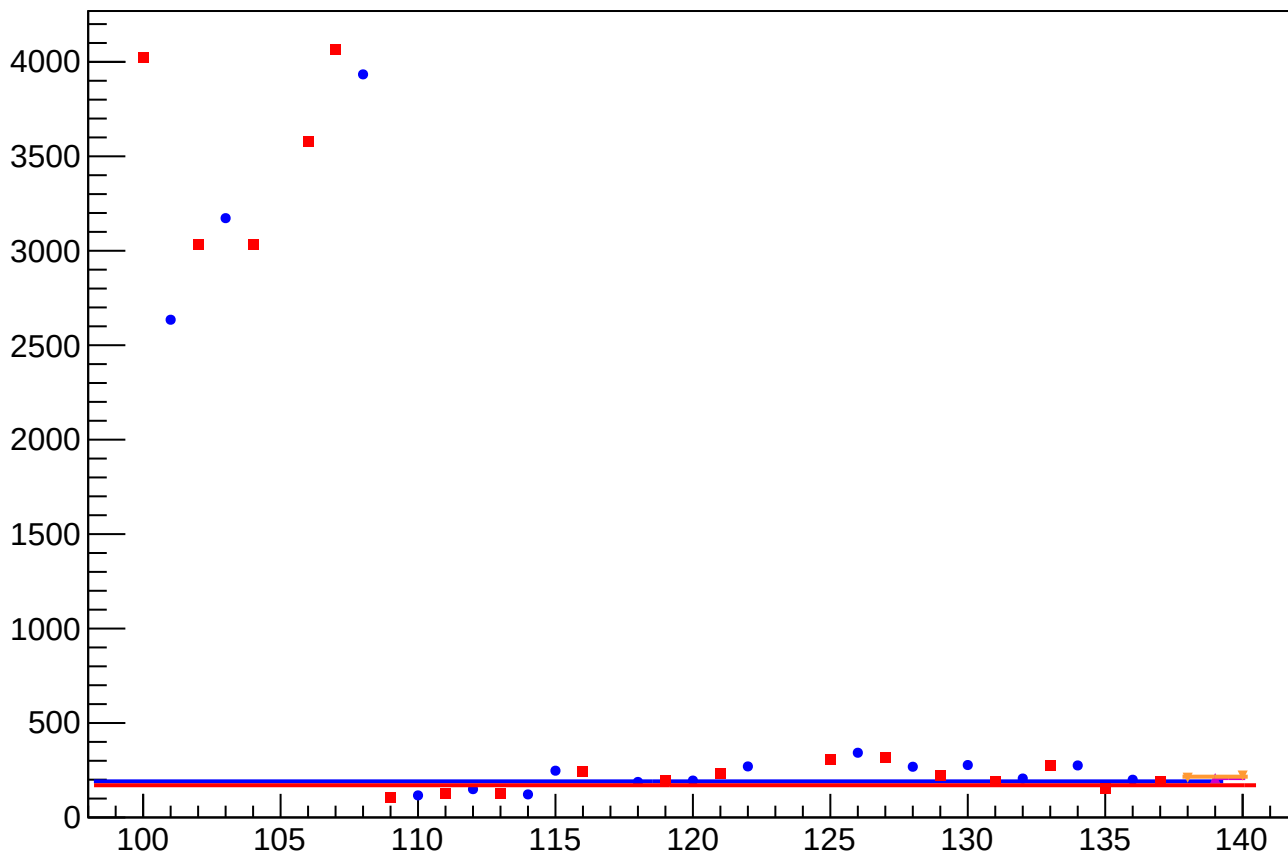
Left In: -416.263 ± 230.072 χ^2/NDF : 0.0/0

+ sign 31.733 ± 75.780 χ^2/NDF : 20.0/17

All: 48.431 ± 52.973 χ^2/NDF : 39.4/36

- sign 64.388 ± 74.080 χ^2/NDF : 19.3/18

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070 $\pm$ 0.060 χ^2 /NDF: 3833952.4/15

Left Out: 215.913 $\pm$ 0.121 χ^2 /NDF:2202.9/1

Right Out: 170.494 $\pm$ 0.055 χ^2 /NDF: 4254820.8/17

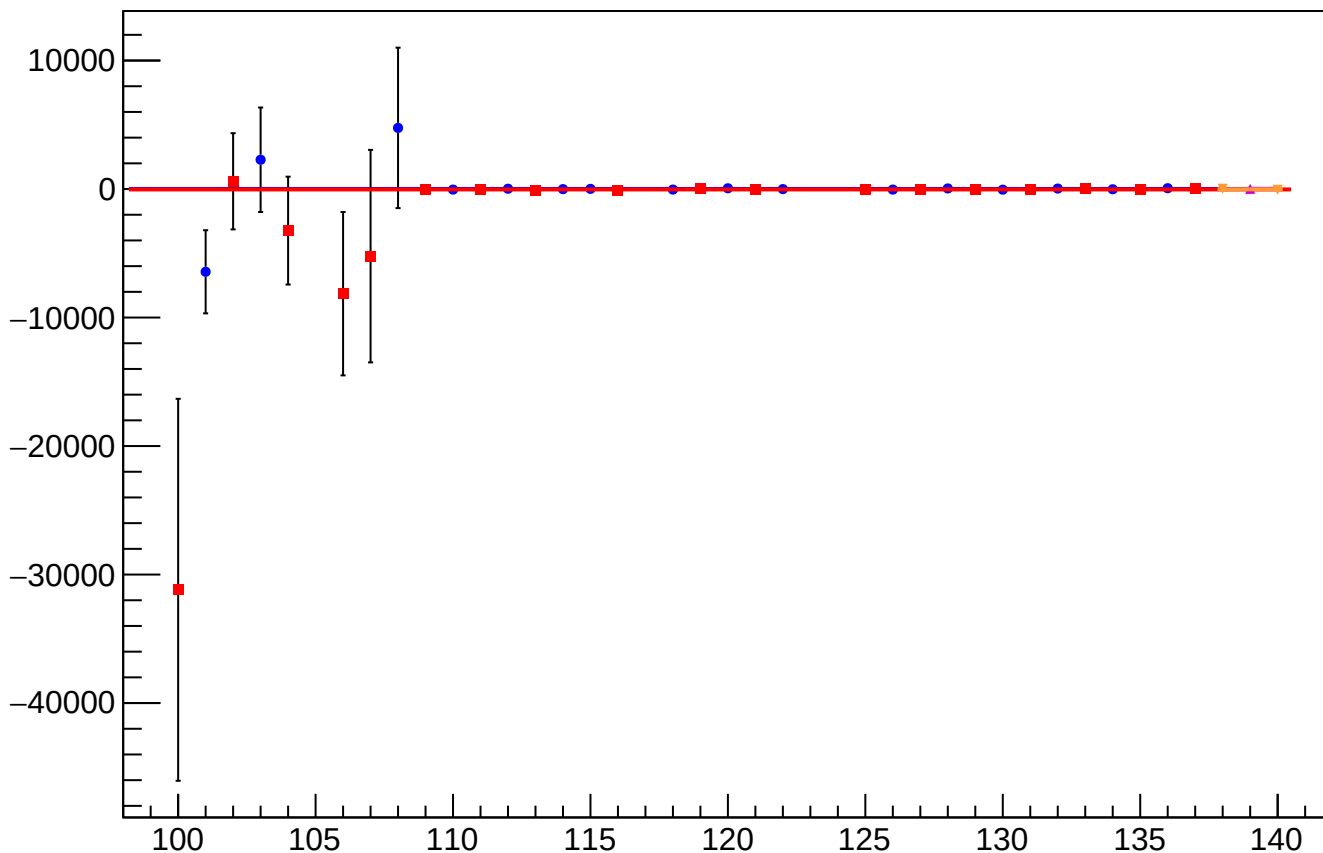
Left In: 208.481 $\pm$ 0.163 χ^2 /NDF:0.0/0

+ sign 195.911 $\pm$ 0.054 χ^2 /NDF: 3869878.9/17

All: 184.928 $\pm$ 0.037 χ^2 /NDF: 8255728.8/36

- sign 174.432 $\pm$ 0.052 χ^2 /NDF: 4303691.5/18

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490 $\pm$ 11.764 χ^2 /NDF: 18.3/15

Left Out: -21.073 $\pm$ 22.251 χ^2 /NDF: 3.2/1

Right Out: -30.740 $\pm$ 12.084 χ^2 /NDF: 19.9/17

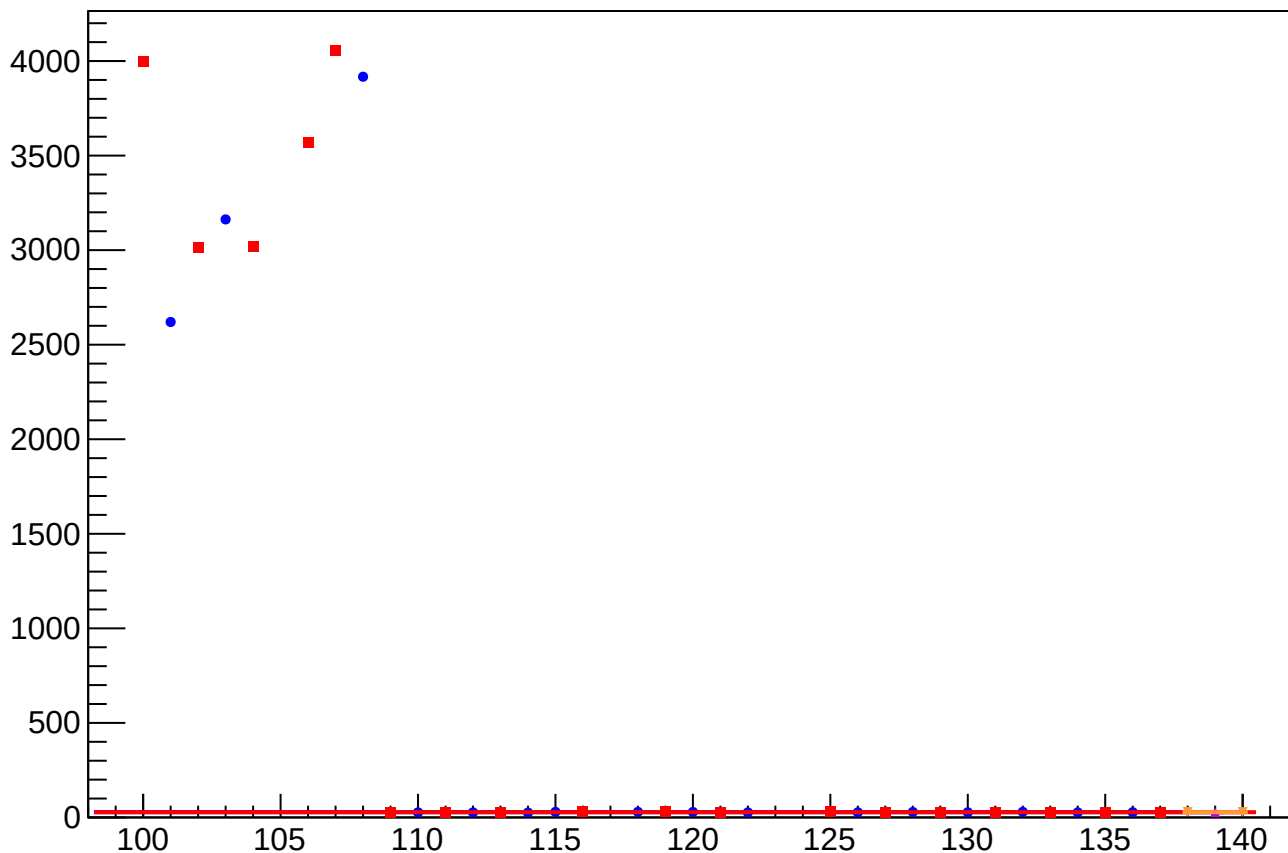
Left In: 15.527 $\pm$ 30.693 χ^2 /NDF: 0.0/0

+ sign 0.468 $\pm$ 10.400 χ^2 /NDF: 22.7/17

All: -11.058 $\pm$ 7.635 χ^2 /NDF: 47.2/36

- sign -24.531 $\pm$ 11.244 χ^2 /NDF: 21.8/18

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF : 3265895.3/15

Left Out: 28.229+/-0.016 χ^2/NDF : 5.9/1

Right Out: 27.778+/-0.009 χ^2/NDF : 3558398.6/17

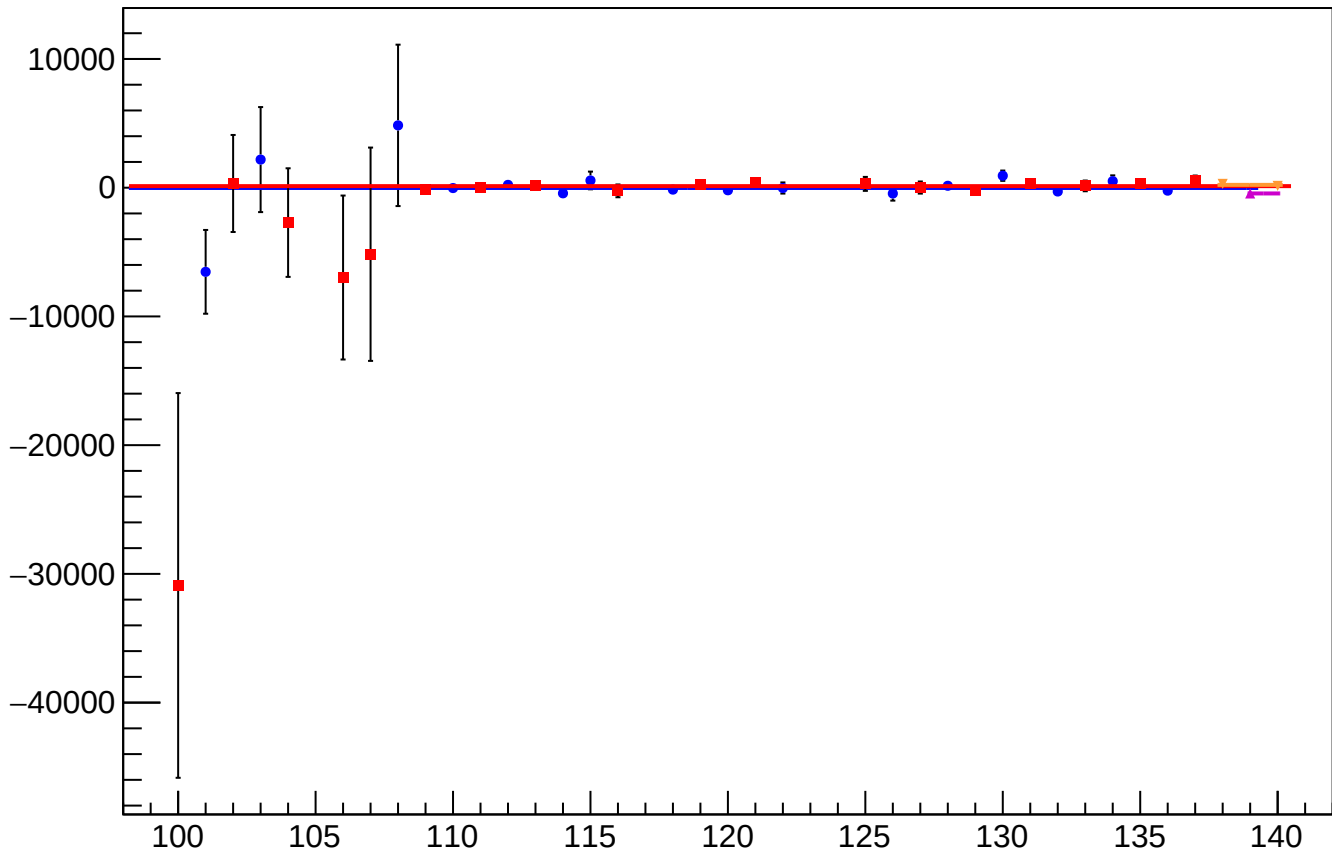
Left In: 28.138+/-0.022 χ^2/NDF : 0.0/0

+ sign 27.913+/-0.007 χ^2/NDF : 3266416.5/17

All: 27.873+/-0.005 χ^2/NDF : 6825117.5/36

- sign 27.827+/-0.008 χ^2/NDF : 3558637.1/18

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522 ± 85.063 χ^2/NDF : 18.2/15

Left Out: 219.913 ± 172.572 χ^2/NDF : 0.2/1

Right Out: 121.544 ± 78.844 χ^2/NDF : 13.2/17

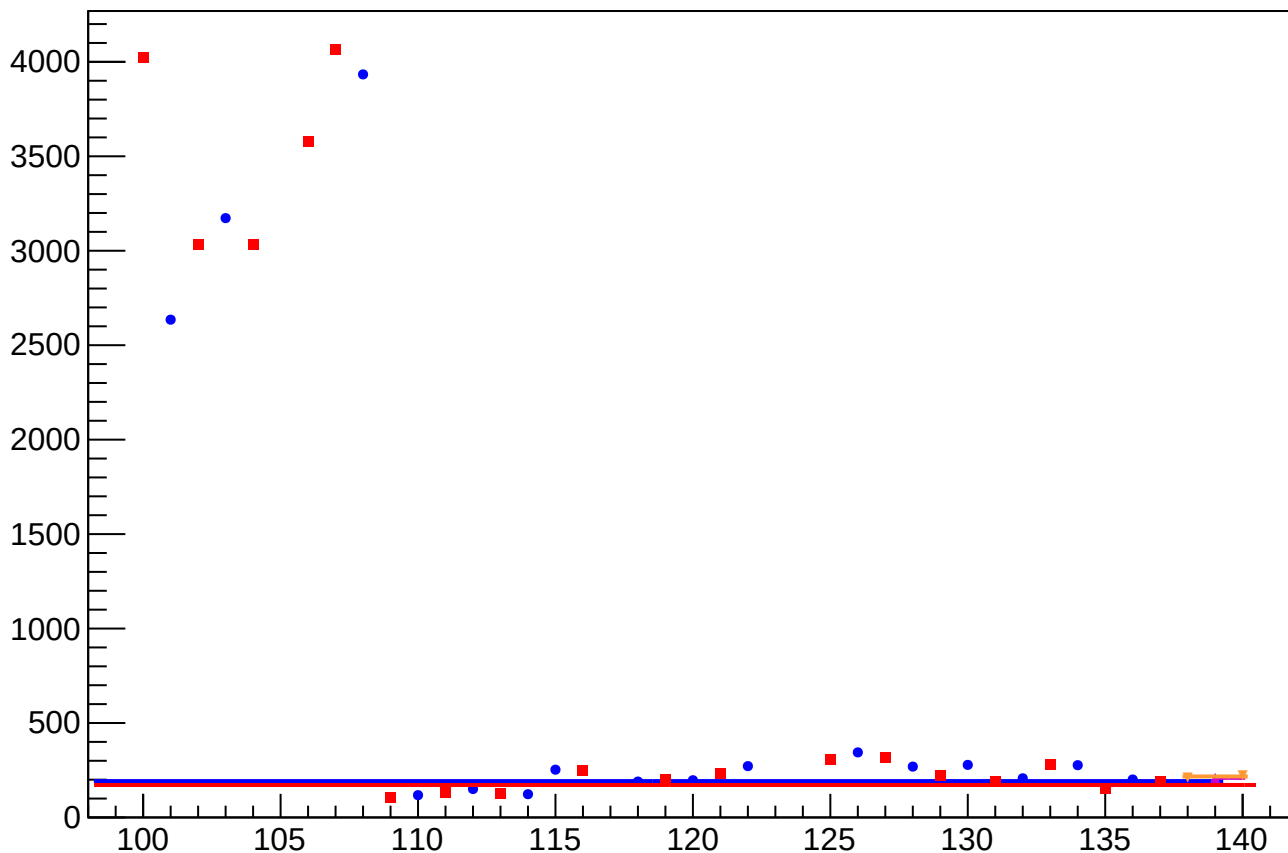
Left In: -446.867 ± 231.334 χ^2/NDF : 0.0/0

+ sign 27.281 ± 76.298 χ^2/NDF : 19.9/17

All: 45.223 ± 53.351 χ^2/NDF : 38.7/36

- sign 62.389 ± 74.628 χ^2/NDF : 18.7/18

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560 $\pm$ 0.060 χ^2 /NDF: 3822789.1/15

Left Out: 217.048 $\pm$ 0.122 χ^2 /NDF:2251.4/1

Right Out: 171.899 $\pm$ 0.056 χ^2 /NDF: 4247800.5/17

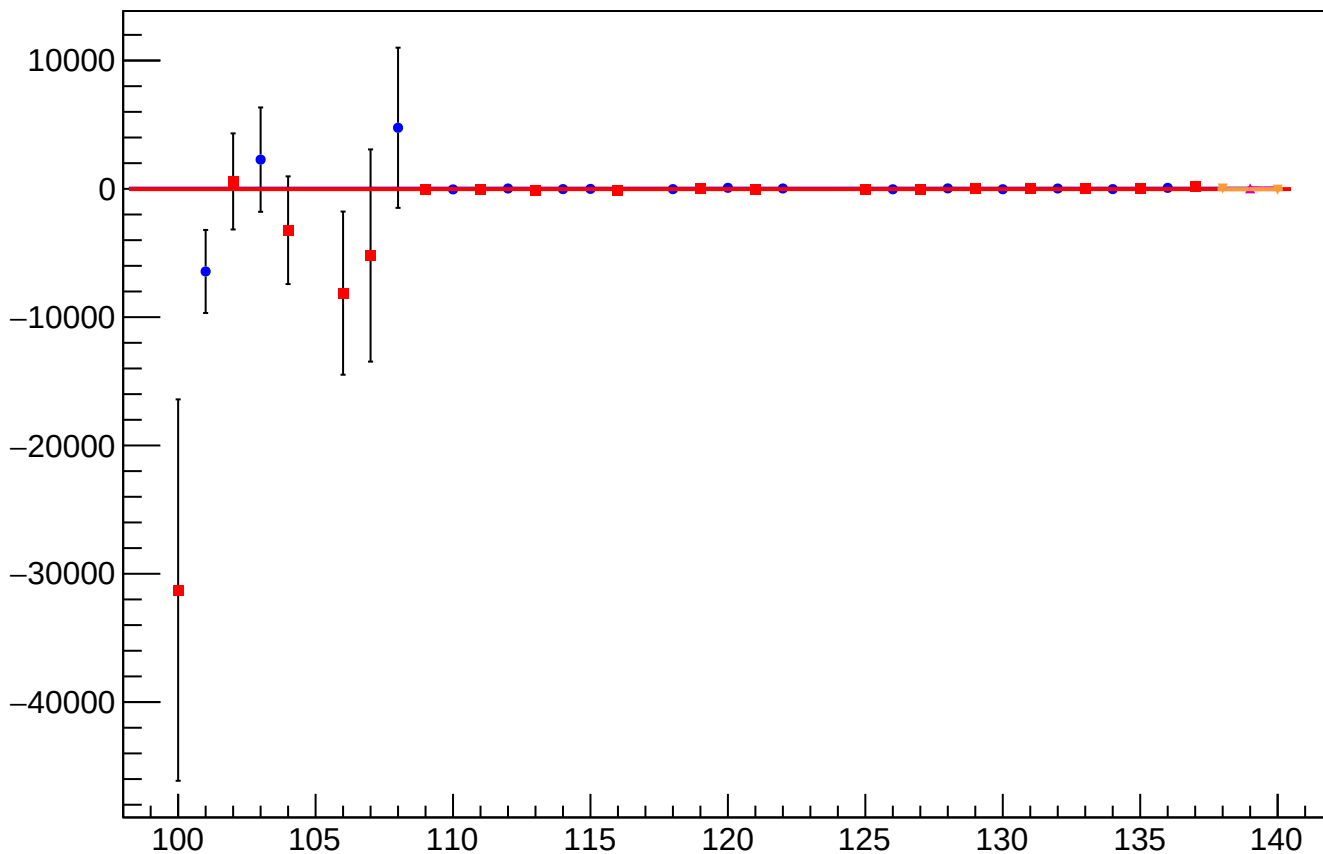
Left In: 209.627 $\pm$ 0.164 χ^2 /NDF:0.0/0

+ sign 197.347 $\pm$ 0.054 χ^2 /NDF: 3857439.9/17

All: 186.348 $\pm$ 0.038 χ^2 /NDF: 8234227.7/36

- sign 175.825 $\pm$ 0.053 χ^2 /NDF: 4295462.2/18

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713 $\pm$ 13.062 χ^2 /NDF: 15.5/15

Left Out: -23.553 $\pm$ 24.299 χ^2 /NDF:3.4/1

Right Out: -21.906 $\pm$ 13.382 χ^2 /NDF: 28.4/17

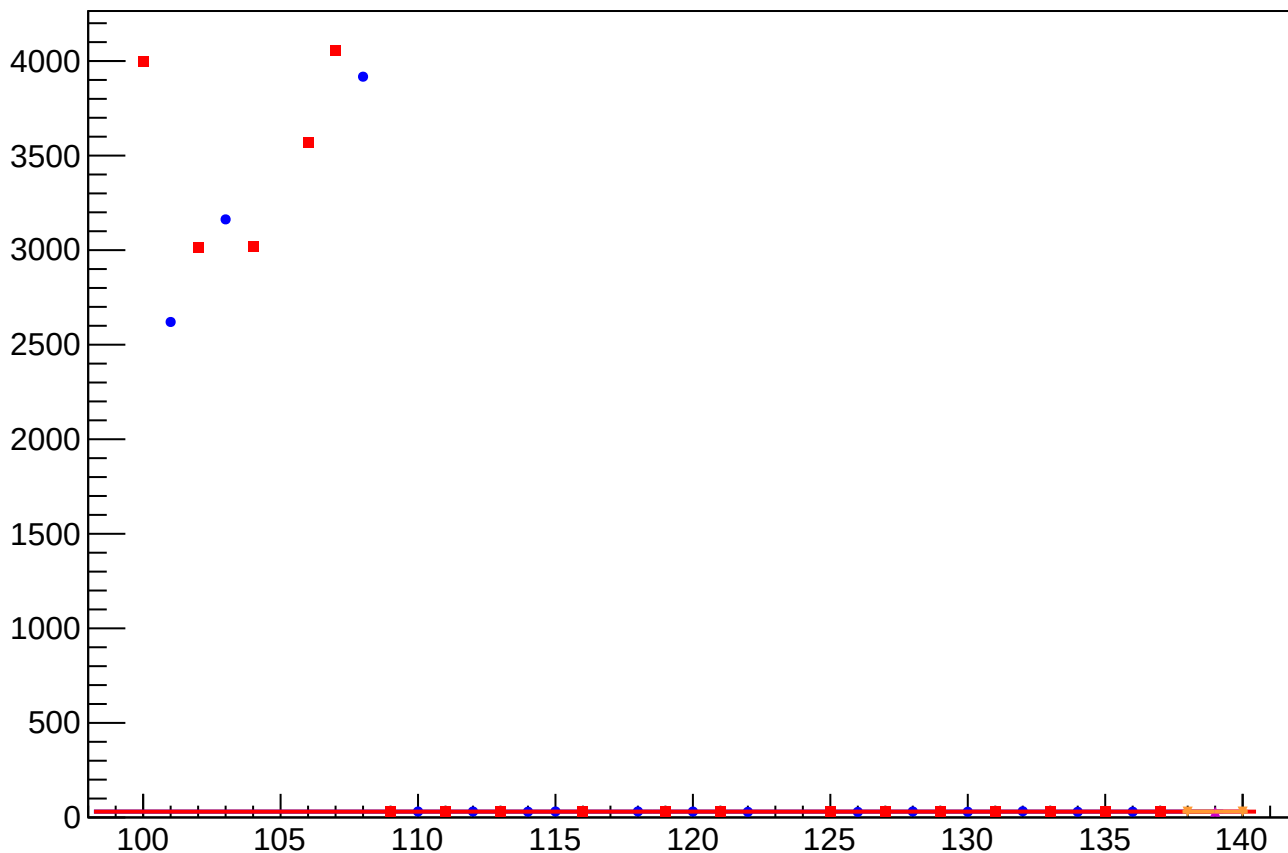
Left In: 40.282 $\pm$ 33.534 χ^2 /NDF:0.0/0

+ sign 5.359 $\pm$ 11.505 χ^2 /NDF: 20.7/17

All: -3.280 $\pm$ 8.443 χ^2 /NDF: 53.2/36

- sign -13.363 $\pm$ 12.429 χ^2 /NDF: 31.3/18

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF : 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF : 62.4/1

Right Out: 30.804+/-0.009 χ^2/NDF : 3535959.8/17

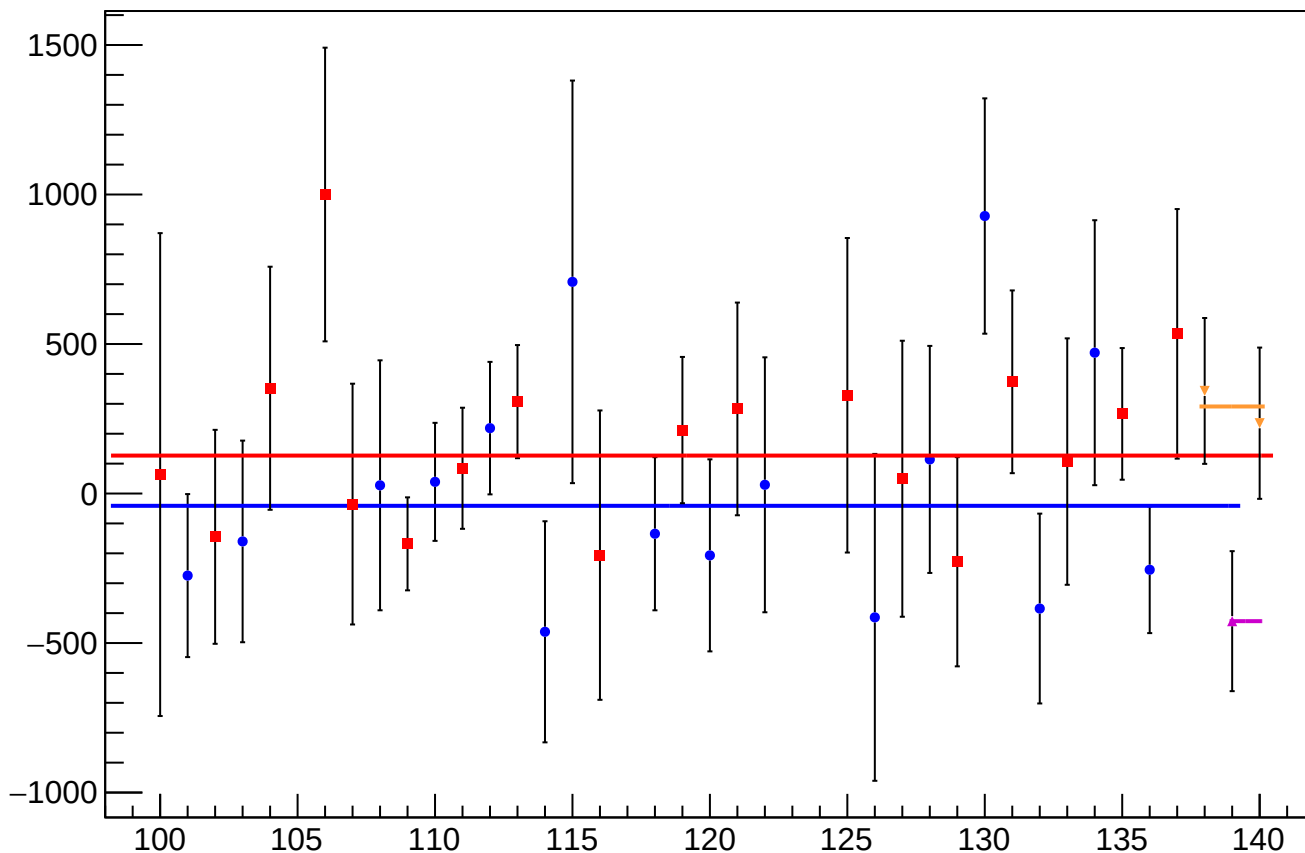
Left In: 30.765+/-0.024 χ^2/NDF : 0.0/0

+ sign 30.910+/-0.008 χ^2/NDF : 3252687.7/17

All: 30.859+/-0.006 χ^2/NDF : 6788736.2/36

- sign 30.799+/-0.009 χ^2/NDF : 3535962.1/18

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114 ± 77.139 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 291.092 ± 175.574 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 126.896 ± 69.382 $\chi^2/\text{NDF}: 12.8/17$

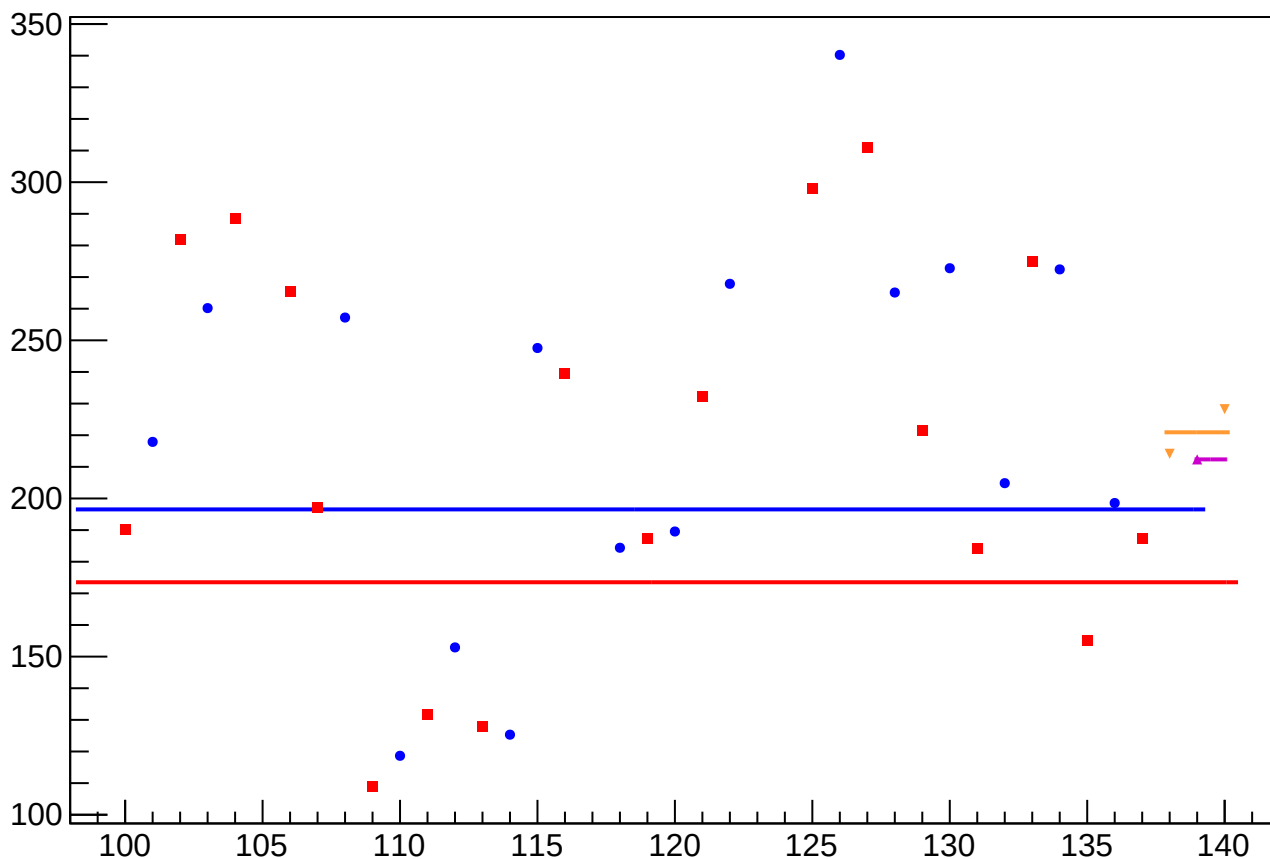
Left In: -426.844 ± 234.099 $\chi^2/\text{NDF}: 0.0/0$

+ sign 12.636 ± 70.623 $\chi^2/\text{NDF}: 18.7/17$

All: 49.487 ± 48.423 $\chi^2/\text{NDF}: 37.1/36$

- sign 82.182 ± 66.522 $\chi^2/\text{NDF}: 17.9/18$

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542 $\pm$ 0.055 χ^2 /NDF: 1000770.4/15

Left Out: 220.922 $\pm$ 0.124 χ^2 /NDF:3220.8/1

Right Out: 173.509 $\pm$ 0.049 χ^2 /NDF: 1532720.5/17

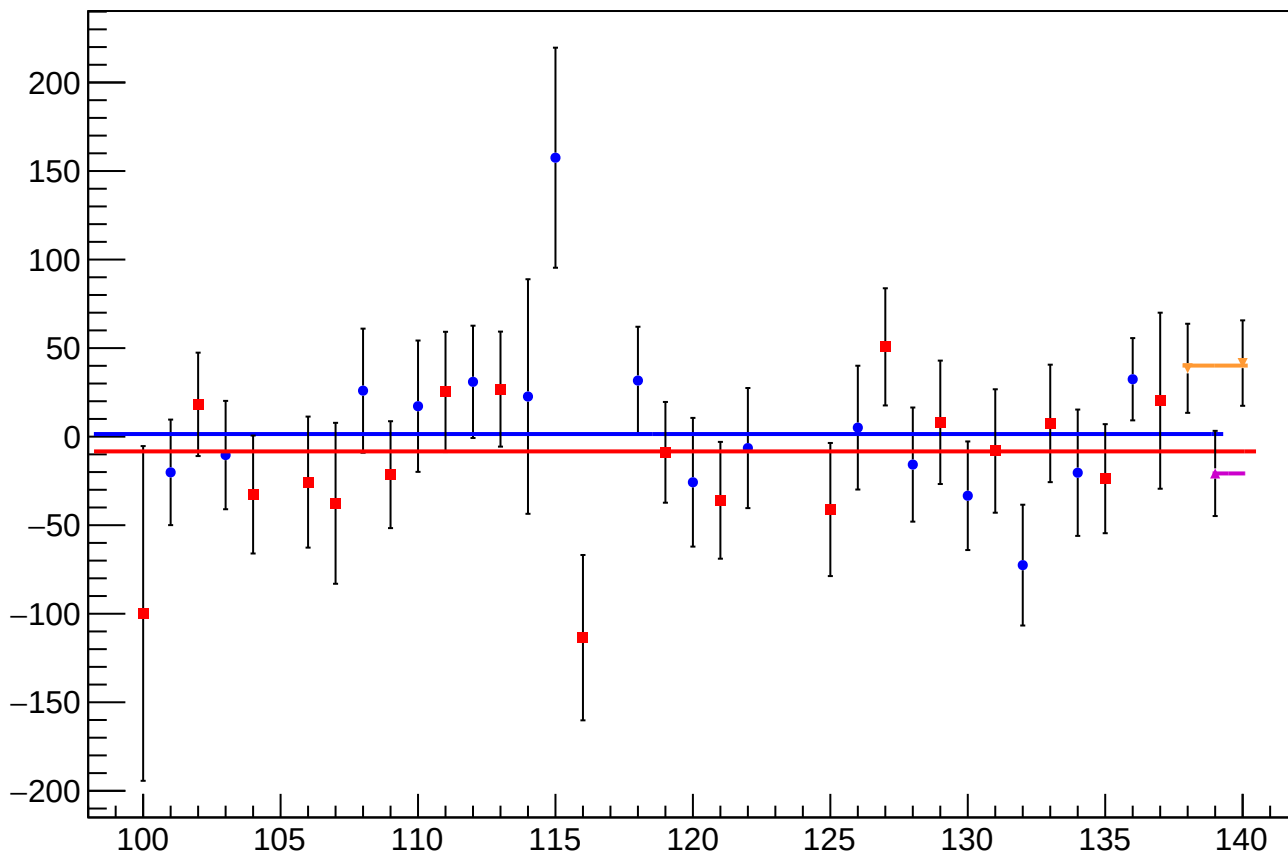
Left In: 212.354 $\pm$ 0.166 χ^2 /NDF:0.0/0

+ sign 200.487 $\pm$ 0.050 χ^2 /NDF: 1036314.1/17

All: 187.854 $\pm$ 0.034 χ^2 /NDF: 2740423.8/36

- sign 176.646 $\pm$ 0.047 χ^2 /NDF: 1583341.2/18

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475 ± 8.370 $\chi^2/\text{NDF}: 18.7/15$

Left Out: 40.133 ± 17.412 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -8.329 ± 8.286 $\chi^2/\text{NDF}: 16.0/17$

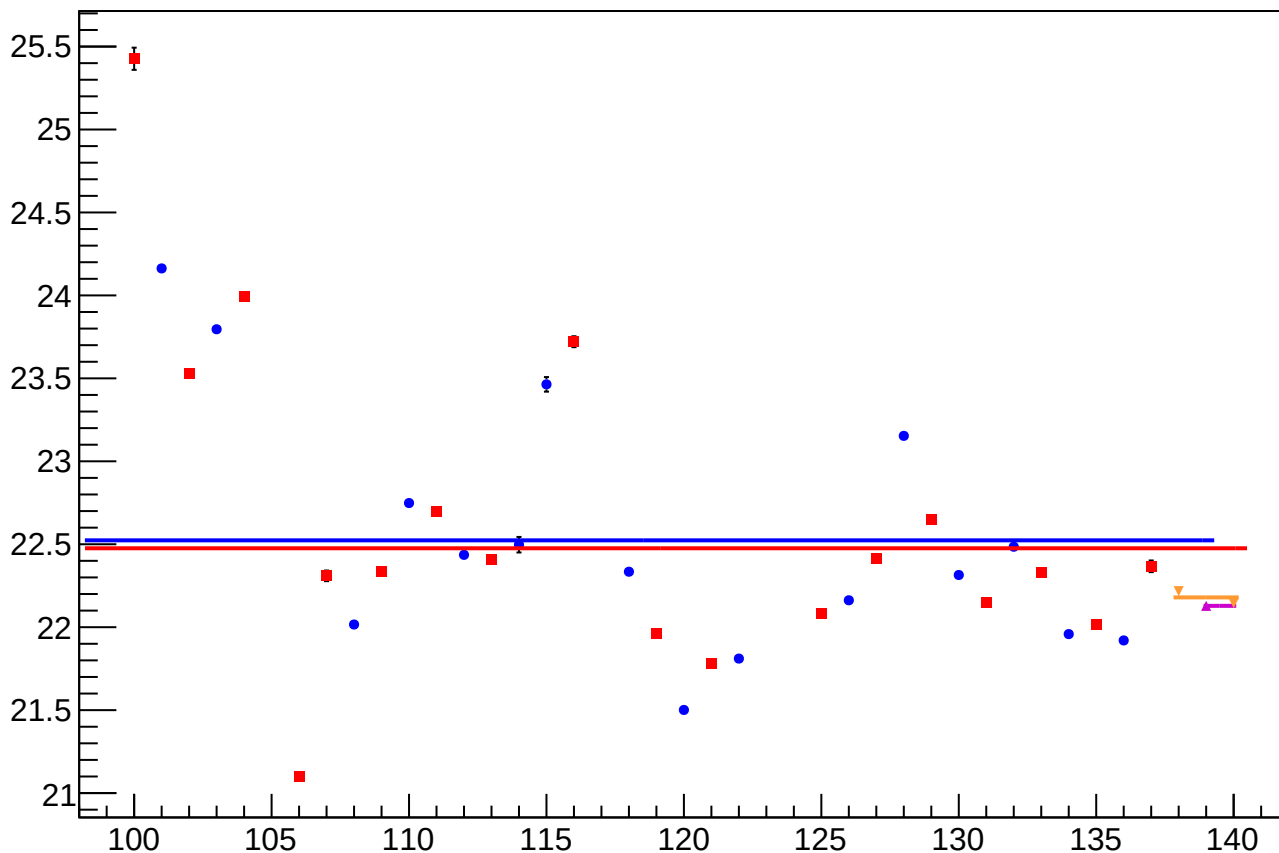
Left In: -20.777 ± 24.054 $\chi^2/\text{NDF}: 0.0/0$

+ sign 8.732 ± 7.544 $\chi^2/\text{NDF}: 22.7/17$

All: -0.112 ± 5.434 $\chi^2/\text{NDF}: 41.8/36$

- sign -9.649 ± 7.834 $\chi^2/\text{NDF}: 16.3/18$

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524 $\pm$ 0.006 χ^2 /NDF: 15947.8/15

Left Out: 22.180 $\pm$ 0.012 χ^2 /NDF: 8.6/1

Right Out: 22.476 $\pm$ 0.006 χ^2 /NDF: 15536.6/17

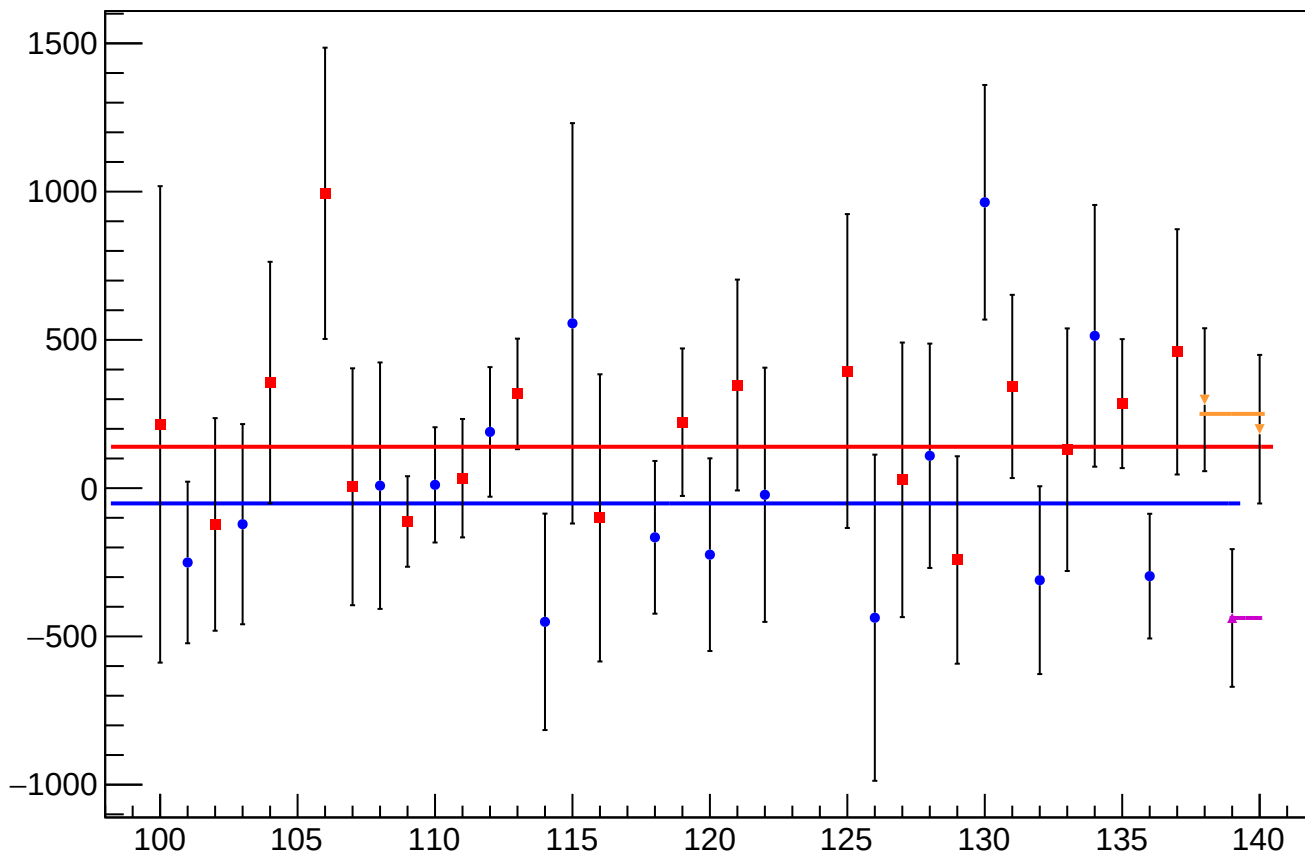
Left In: 22.129 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 22.459 $\pm$ 0.005 χ^2 /NDF: 16590.5/17

All: 22.449 $\pm$ 0.004 χ^2 /NDF: 32505.9/36

- sign 22.439 $\pm$ 0.006 χ^2 /NDF: 15908.6/18

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492 ± 76.798 χ^2/NDF : 15.3/15

Left Out: 250.473 ± 173.705 χ^2/NDF : 0.1/1

Right Out: 139.546 ± 68.888 χ^2/NDF : 11.6/17

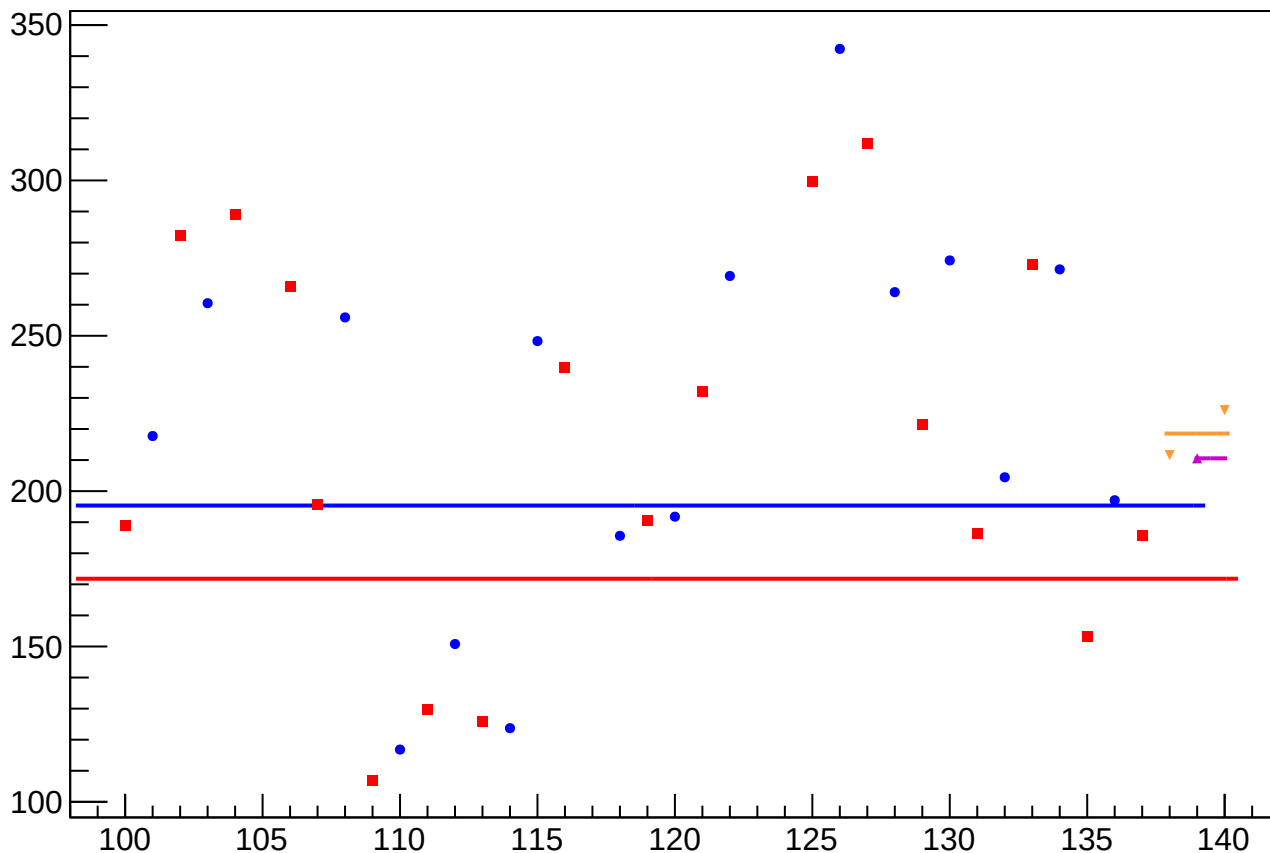
Left In: -437.814 ± 232.146 χ^2/NDF : 0.0/0

+ sign -2.118 ± 70.239 χ^2/NDF : 18.0/17

All: 48.272 ± 48.114 χ^2/NDF : 36.2/36

- sign 92.819 ± 66.042 χ^2/NDF : 17.2/18

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF : 1041432.1/15

Left Out: 218.539+/-0.123 χ^2/NDF : 3466.9/1

Right Out: 171.805+/-0.049 χ^2/NDF : 1600663.6/17

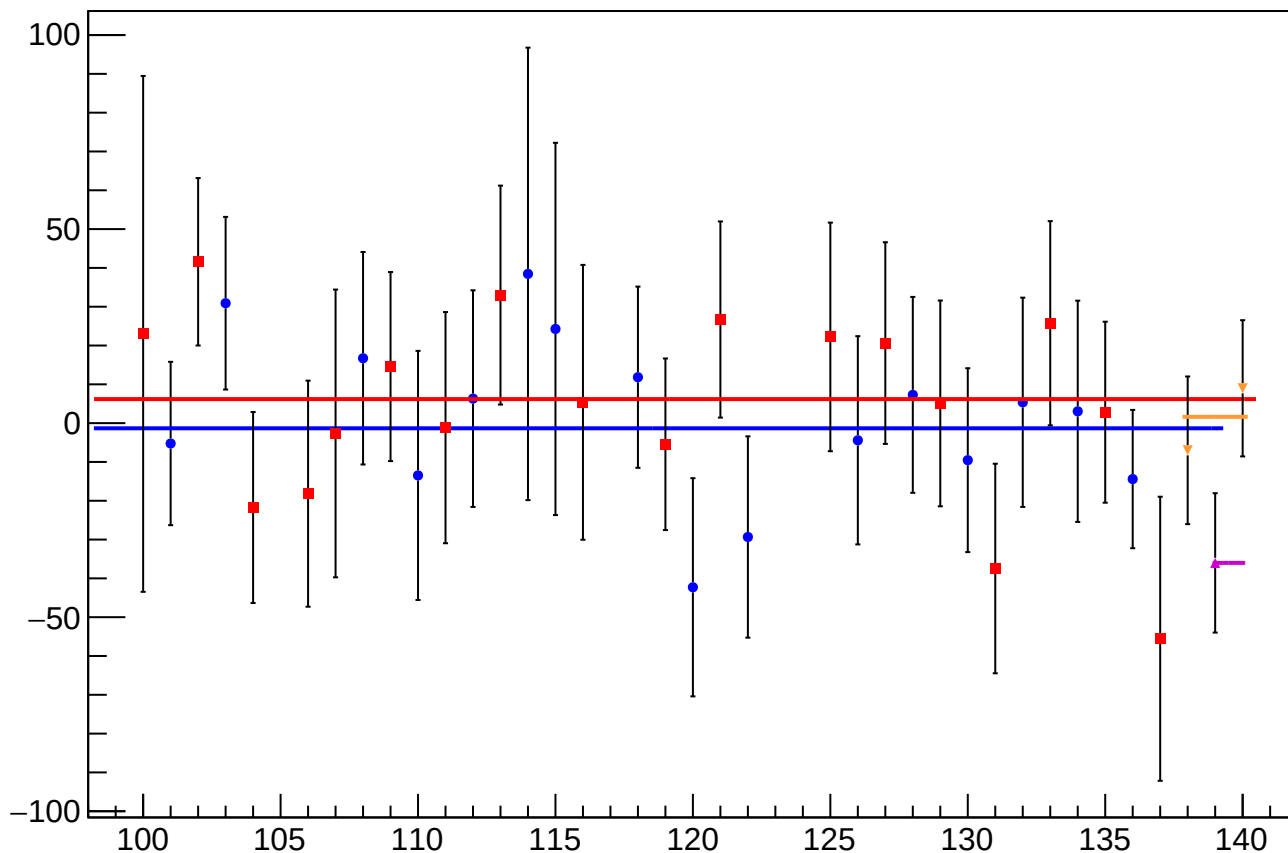
Left In: 210.559+/-0.164 χ^2/NDF : 0.0/0

+ sign 199.151+/-0.050 χ^2/NDF : 1074686.7/17

All: 186.301+/-0.034 χ^2/NDF : 2852684.8/36

- sign 174.941+/-0.047 χ^2/NDF : 1651889.4/18

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331 ± 6.499 χ^2/NDF : 8.0/15

Left Out: 1.629 ± 12.899 χ^2/NDF : 0.4/1

Right Out: 6.195 ± 6.473 χ^2/NDF : 13.5/17

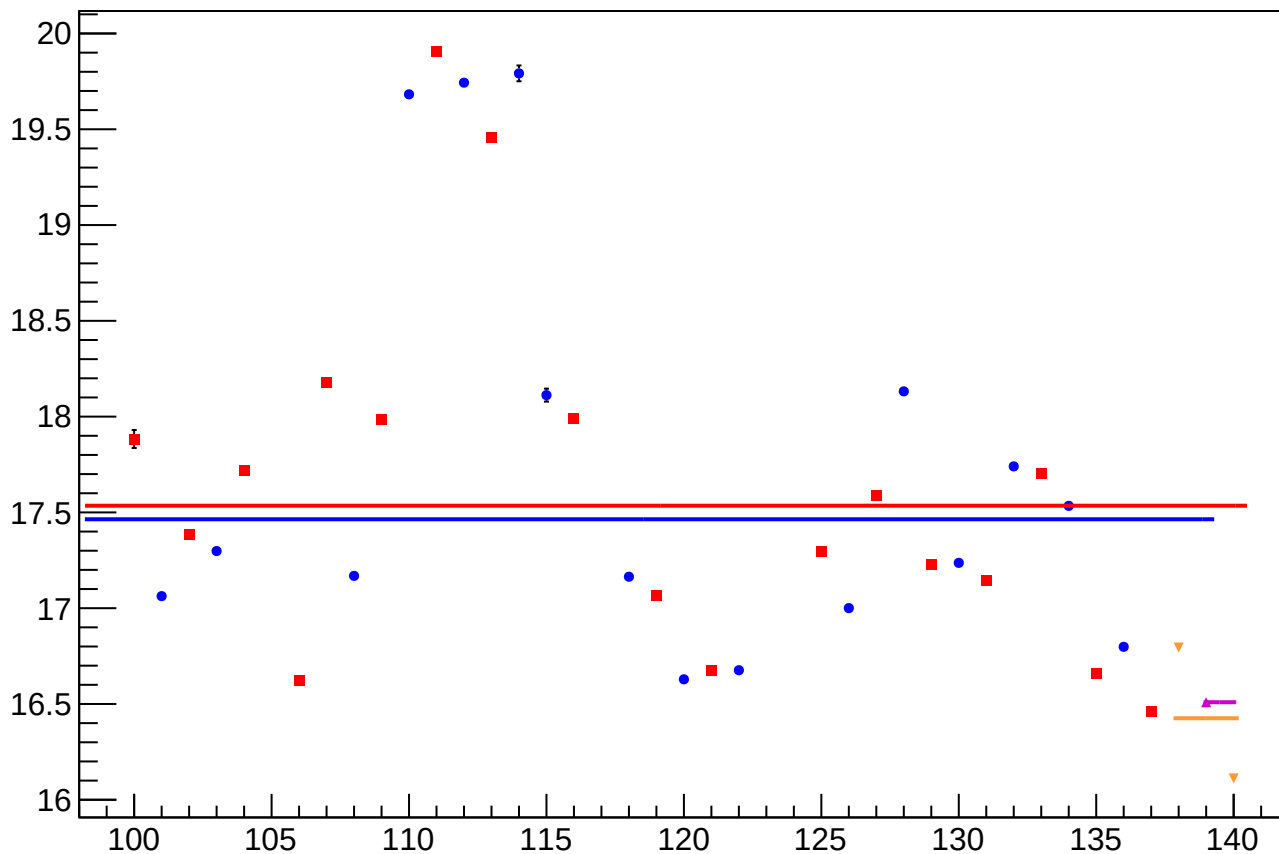
Left In: -36.013 ± 17.957 χ^2/NDF : 0.0/0

+ sign -0.732 ± 5.804 χ^2/NDF : 8.4/17

All: 0.255 ± 4.201 χ^2/NDF : 26.9/36

- sign 1.342 ± 6.089 χ^2/NDF : 18.3/18

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464 $\pm$ 0.005 χ^2 /NDF: 36650.1/15

Left Out: 16.425 $\pm$ 0.009 χ^2 /NDF: 1392.4/1

Right Out: 17.535 $\pm$ 0.005 χ^2 /NDF: 34475.1/17

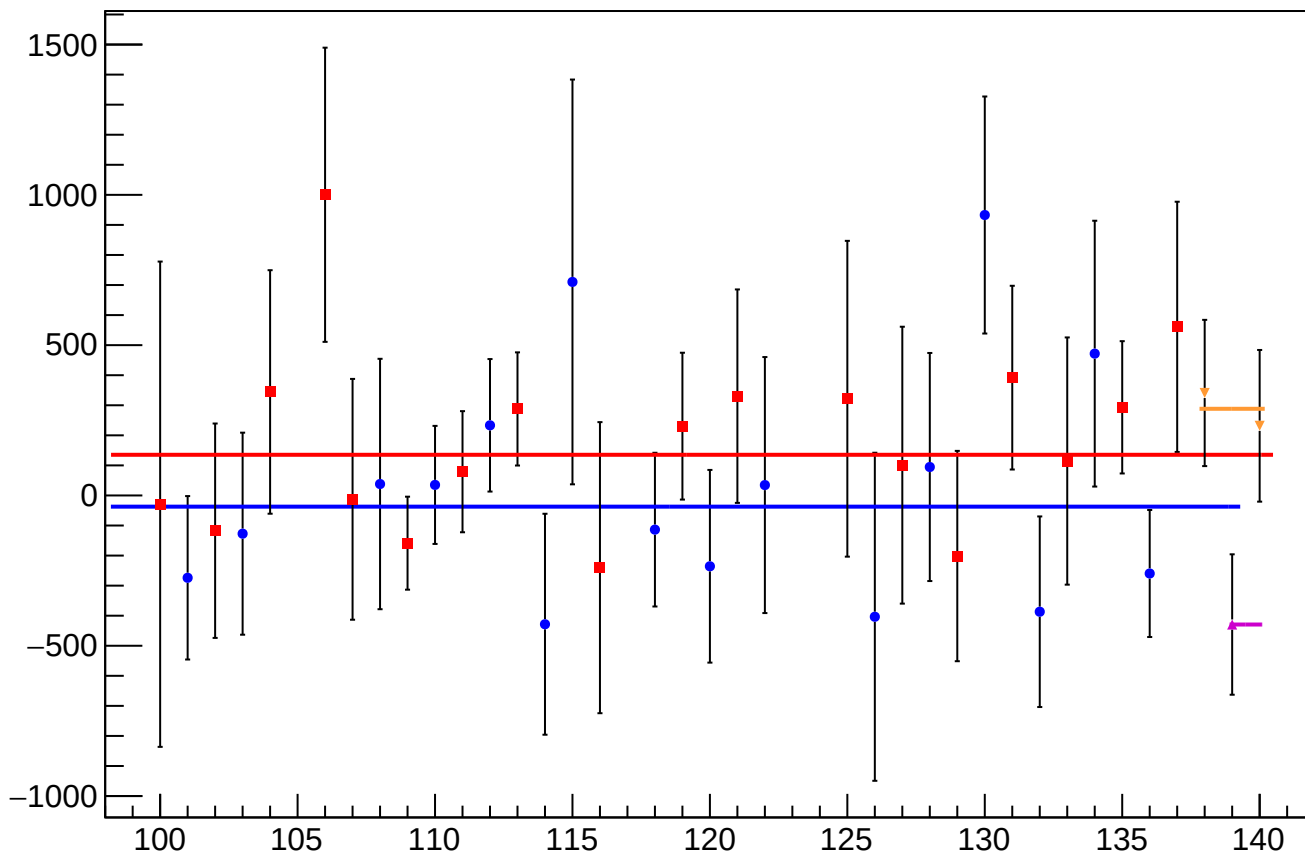
Left In: 16.509 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 17.254 $\pm$ 0.004 χ^2 /NDF: 48386.6/17

All: 17.332 $\pm$ 0.003 χ^2 /NDF: 89390.7/36

- sign 17.417 $\pm$ 0.004 χ^2 /NDF: 40251.7/18

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241 ± 76.915 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 288.285 ± 175.109 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 135.279 ± 69.157 $\chi^2/\text{NDF}: 12.8/17$

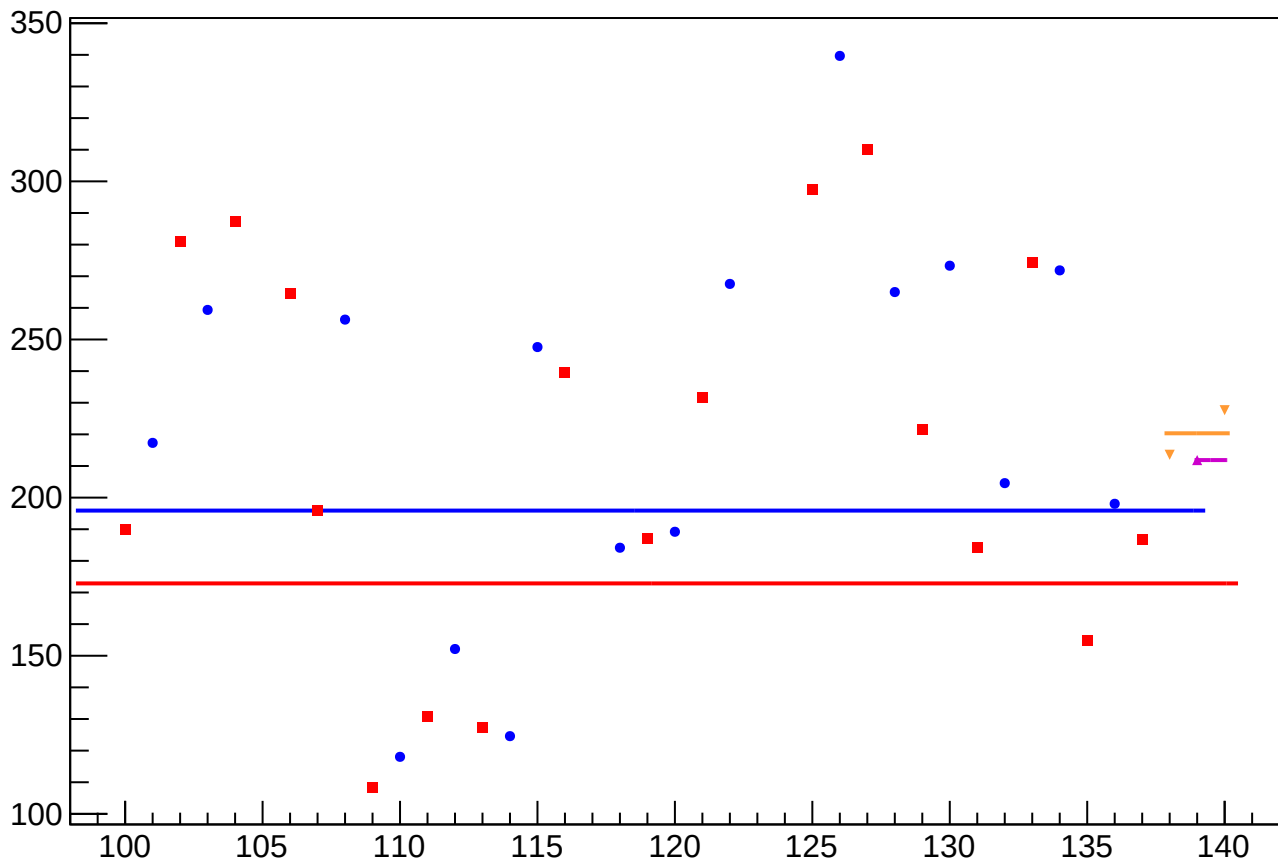
Left In: -429.364 ± 233.567 $\chi^2/\text{NDF}: 0.0/0$

+ sign 15.406 ± 70.421 $\chi^2/\text{NDF}: 18.6/17$

All: 54.819 ± 48.277 $\chi^2/\text{NDF}: 37.4/36$

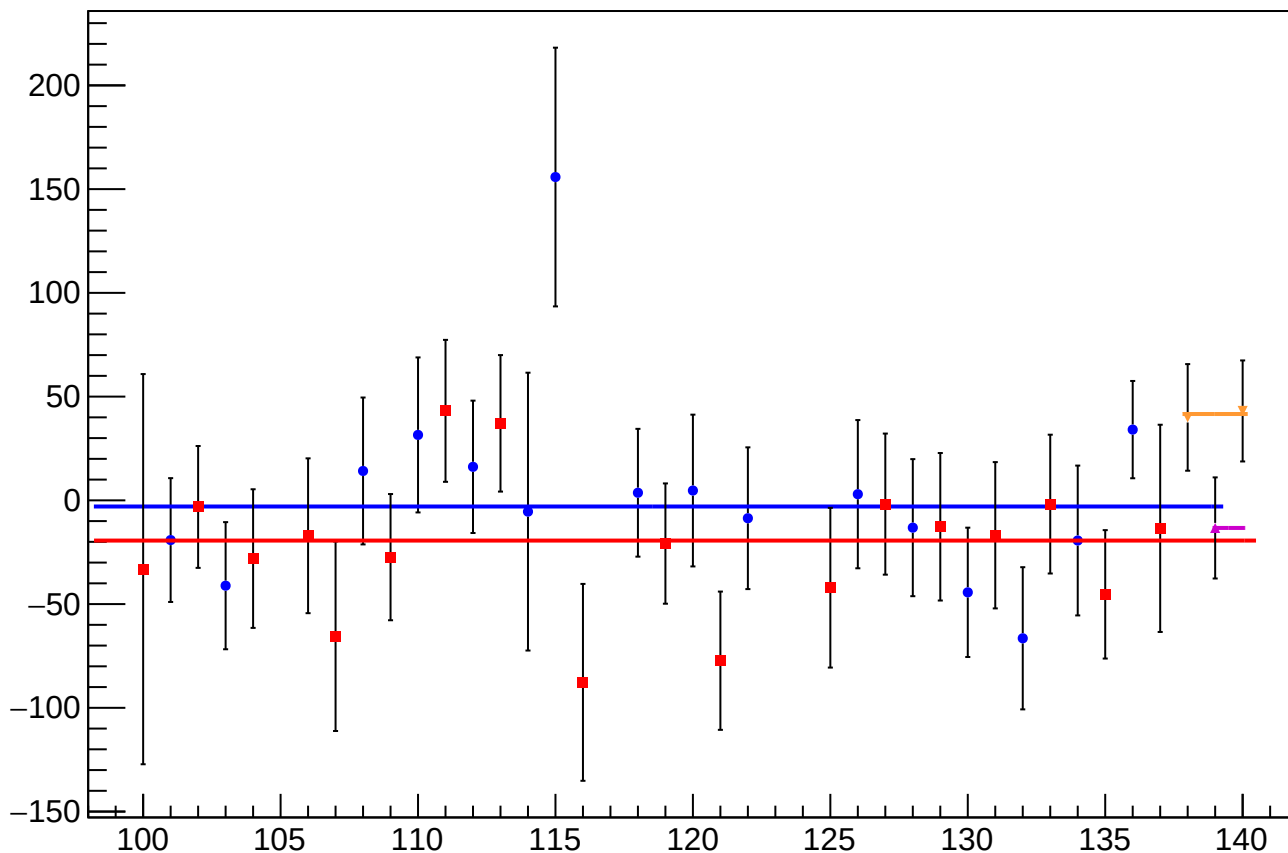
- sign 89.766 ± 66.312 $\chi^2/\text{NDF}: 18.2/18$

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054	χ^2/NDF : 1011012.3/15	+ sign 199.852+/-0.050	χ^2/NDF : 1046899.6/17
Left Out: 220.339+/-0.124	χ^2/NDF : 3231.3/1	All: 187.218+/-0.034	χ^2/NDF : 2762864.8/36
Right Out: 172.873+/-0.049	χ^2/NDF : 1543258.3/17	- sign 176.016+/-0.047	χ^2/NDF : 1594519.1/18
Left In: 211.870+/-0.165	χ^2/NDF : 0.0/0		

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967 ± 8.454 χ^2/NDF : 17.9/15

Left Out: 41.613 ± 17.672 χ^2/NDF : 0.0/1

Right Out: -19.387 ± 8.381 χ^2/NDF : 14.5/17

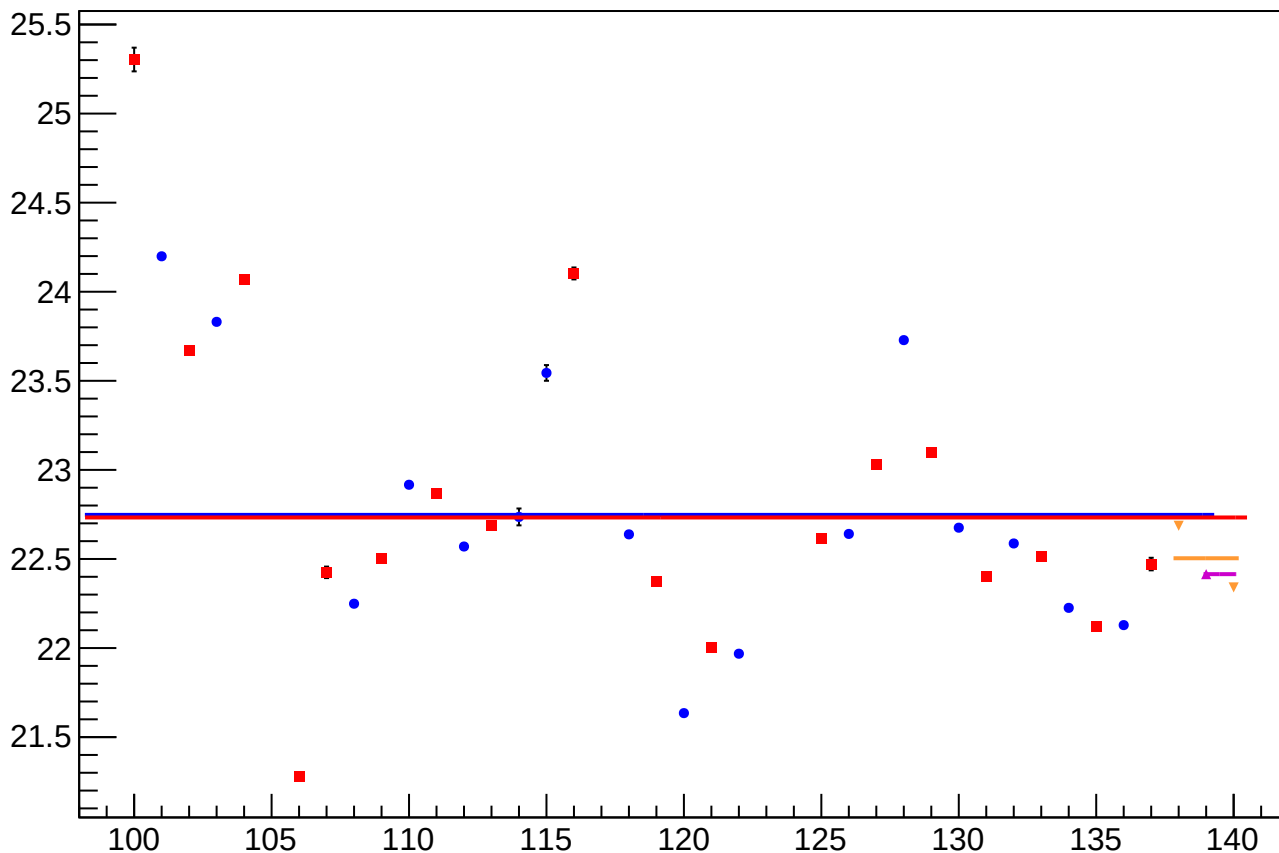
Left In: -13.302 ± 24.367 χ^2/NDF : 0.0/0

+ sign 5.335 ± 7.626 χ^2/NDF : 23.1/17

All: -6.241 ± 5.495 χ^2/NDF : 42.5/36

- sign -18.743 ± 7.926 χ^2/NDF : 14.6/18

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747 $\pm$ 0.006 χ^2 /NDF: 14622.8/15

Left Out: 22.504 $\pm$ 0.012 χ^2 /NDF:191.1/1

Right Out: 22.733 $\pm$ 0.006 χ^2 /NDF: 14389.6/17

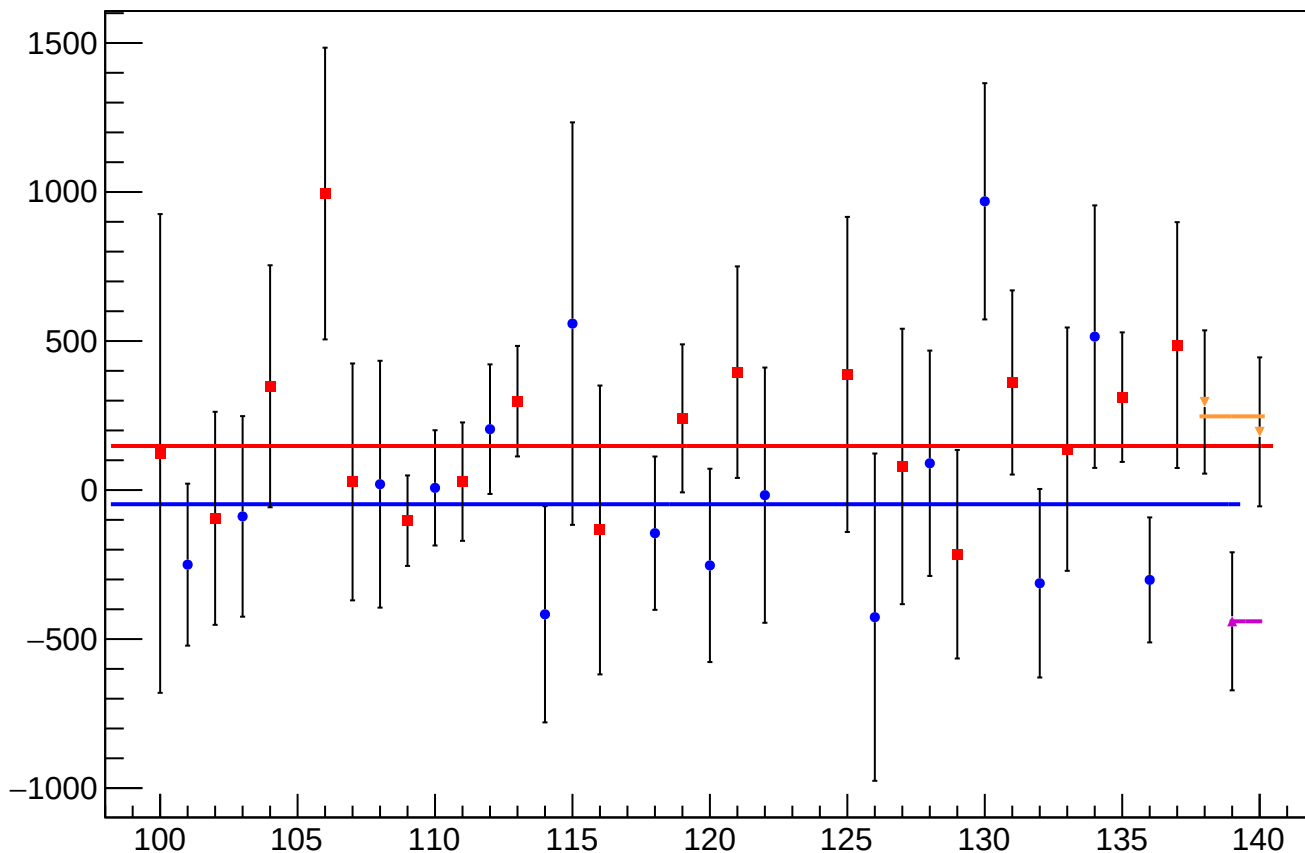
Left In: 22.415 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 22.702 $\pm$ 0.005 χ^2 /NDF: 15122.7/17

All: 22.701 $\pm$ 0.004 χ^2 /NDF: 29817.3/36

- sign 22.699 $\pm$ 0.006 χ^2 /NDF: 14694.4/18

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523 ± 76.571 χ^2/NDF : 15.4/15

Left Out: 247.354 ± 173.240 χ^2/NDF : 0.1/1

Right Out: 147.812 ± 68.660 χ^2/NDF : 11.5/17

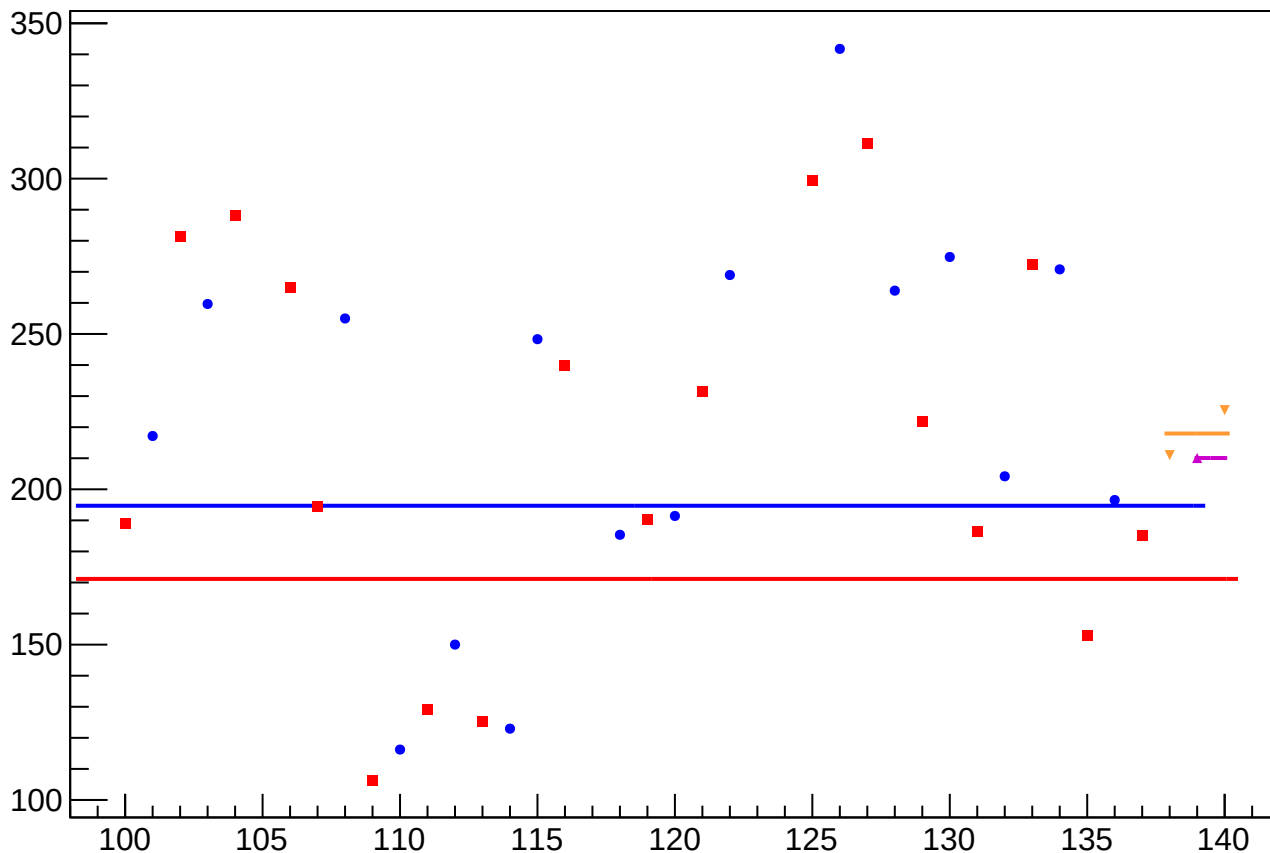
Left In: -440.358 ± 231.609 χ^2/NDF : 0.0/0

+ sign 0.669 ± 70.035 χ^2/NDF : 17.9/17

All: 53.566 ± 47.966 χ^2/NDF : 36.4/36

- sign 100.299 ± 65.828 χ^2/NDF : 17.5/18

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708 $\pm$ 0.054 χ^2 /NDF: 1052288.9/15

Left Out: 217.955 $\pm$ 0.122 χ^2 /NDF:3480.8/1

Right Out: 171.156 $\pm$ 0.049 χ^2 /NDF: 1611935.6/17

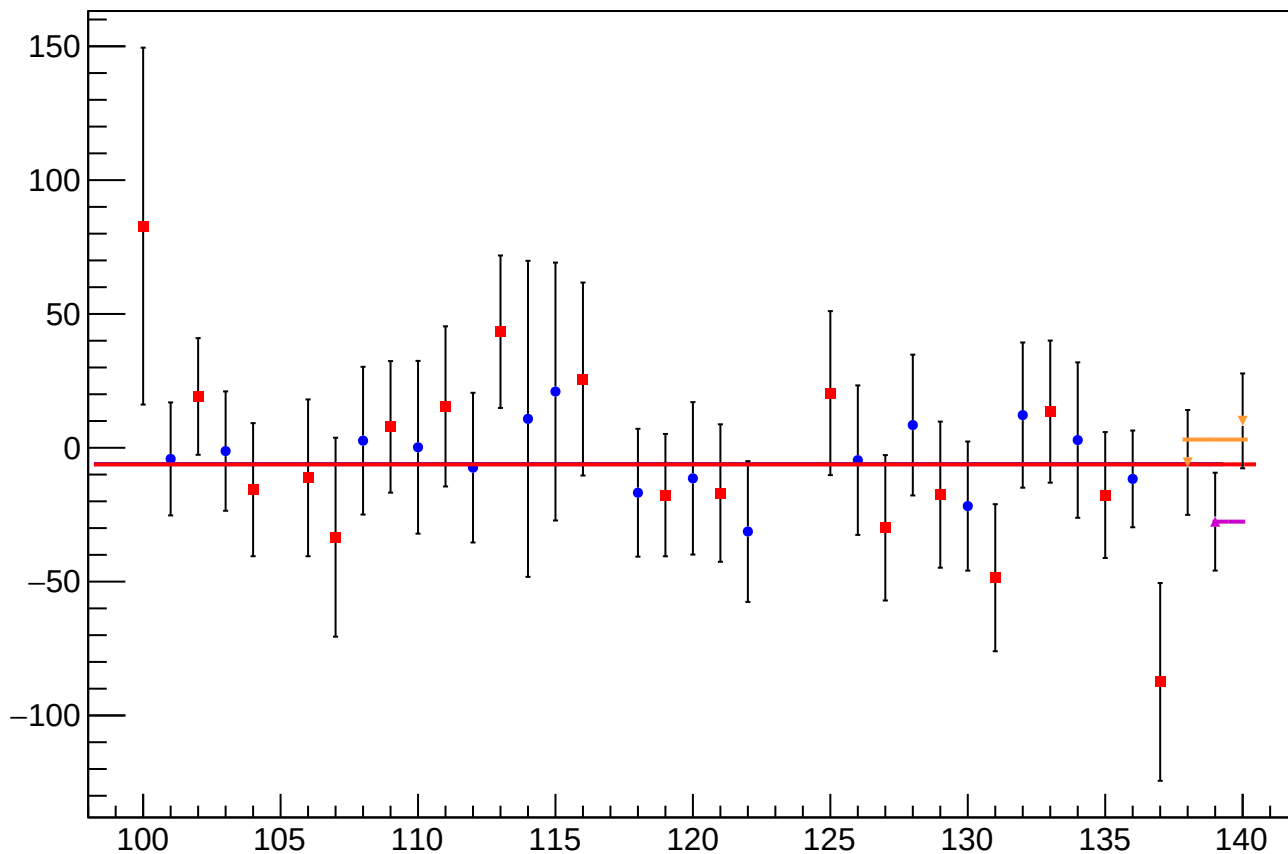
Left In: 210.071 $\pm$ 0.164 χ^2 /NDF:0.0/0

+ sign 198.507 $\pm$ 0.050 χ^2 /NDF: 1085899.0/17

All: 185.655 $\pm$ 0.034 χ^2 /NDF: 2876597.8/36

- sign 174.300 $\pm$ 0.047 χ^2 /NDF: 1663834.6/18

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119 ± 6.592 χ^2/NDF : 3.1/15

Left Out: 3.074 ± 13.139 χ^2/NDF : 0.3/1

Right Out: -6.195 ± 6.580 χ^2/NDF : 18.6/17

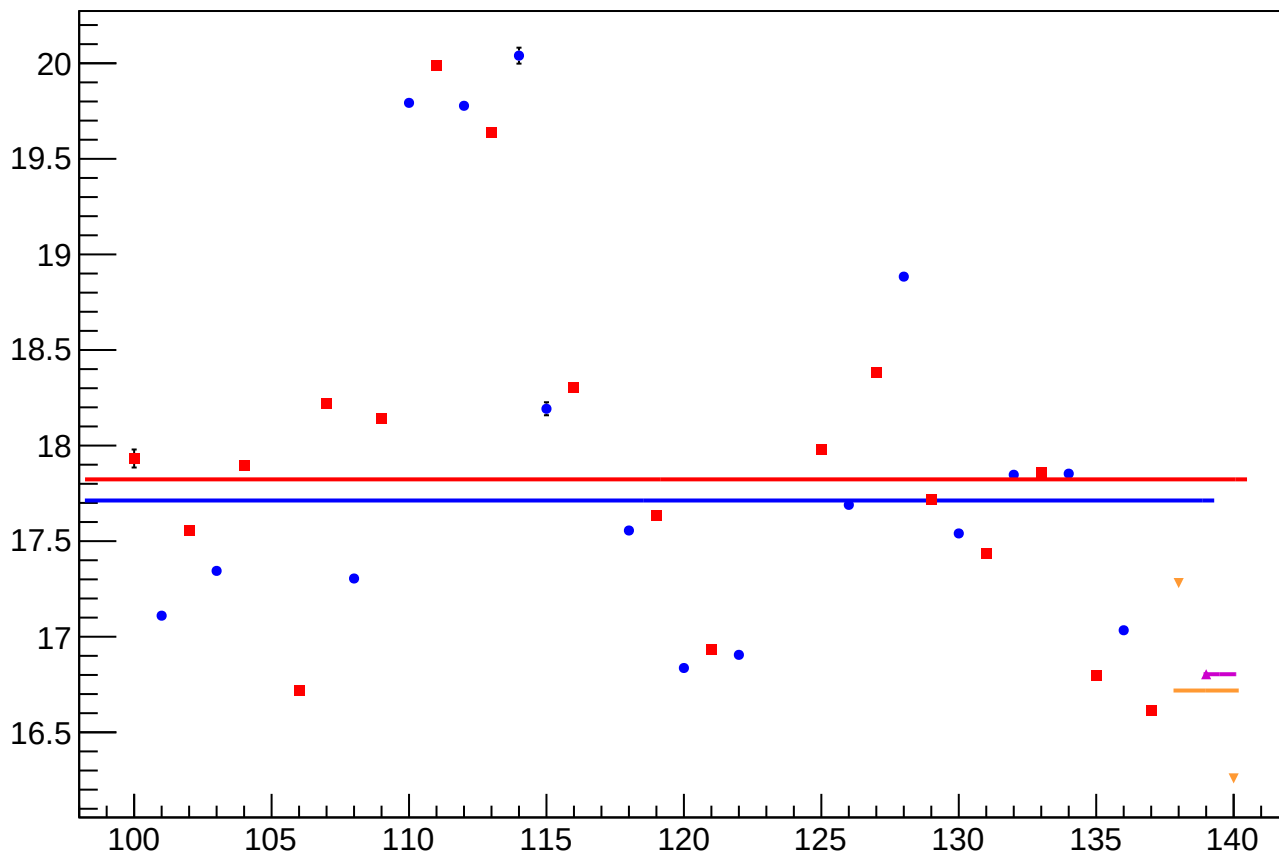
Left In: -27.594 ± 18.288 χ^2/NDF : 0.0/0

+ sign -4.270 ± 5.892 χ^2/NDF : 3.9/17

All: -6.351 ± 4.268 χ^2/NDF : 24.0/36

- sign -8.648 ± 6.192 χ^2/NDF : 19.8/18

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF : 35983.5/15

Left Out: 16.719+/-0.009 χ^2/NDF : 2994.4/1

Right Out: 17.823+/-0.005 χ^2/NDF : 32502.9/17

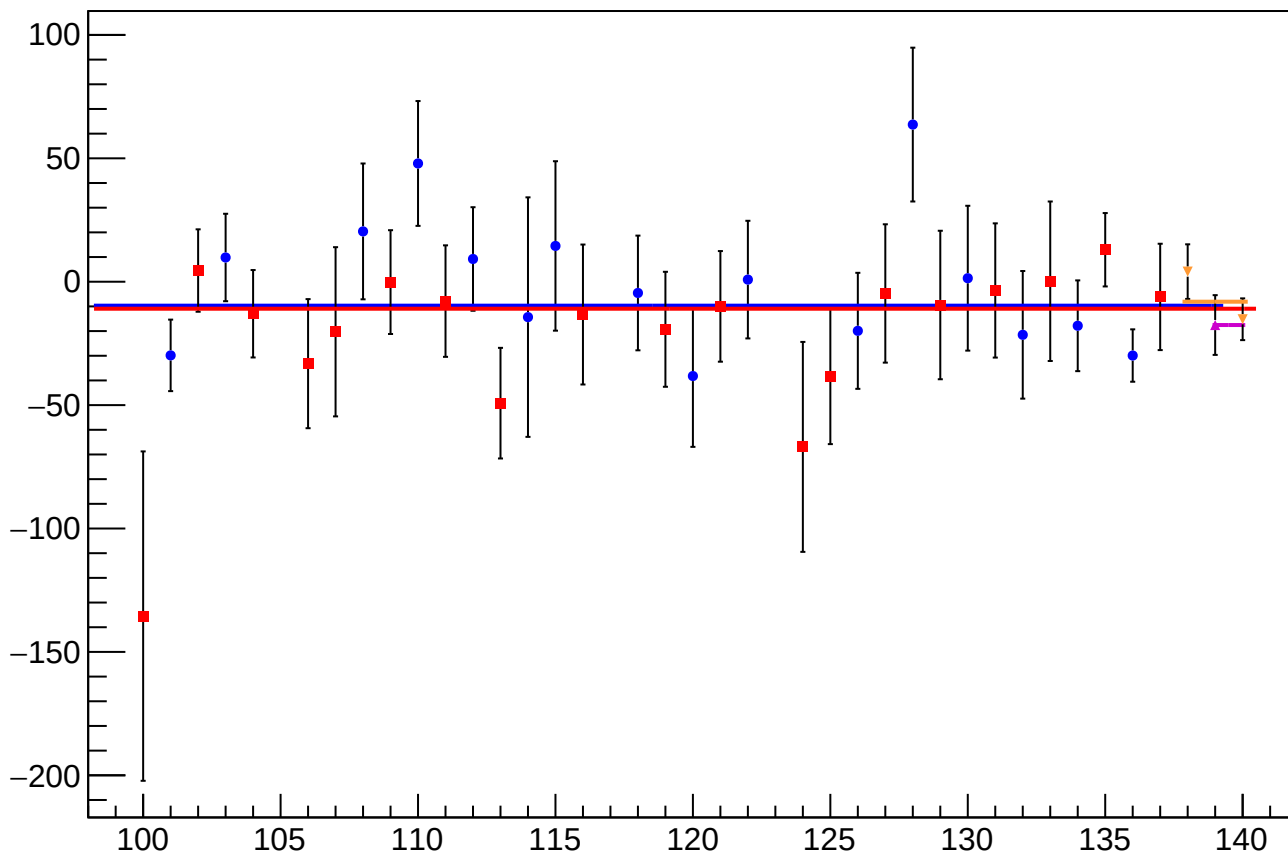
Left In: 16.804+/-0.013 χ^2/NDF : 0.0/0

+ sign 17.513+/-0.004 χ^2/NDF : 48124.6/17

All: 17.605+/-0.003 χ^2/NDF : 87155.5/36

- sign 17.706+/-0.004 χ^2/NDF : 38004.7/18

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702 $\pm$ 5.231 χ^2 /NDF: 22.0/15

Left Out: -8.093 $\pm$ 6.718 χ^2 /NDF: 1.9/1

Right Out: -10.938 $\pm$ 5.436 χ^2 /NDF: 14.1/18

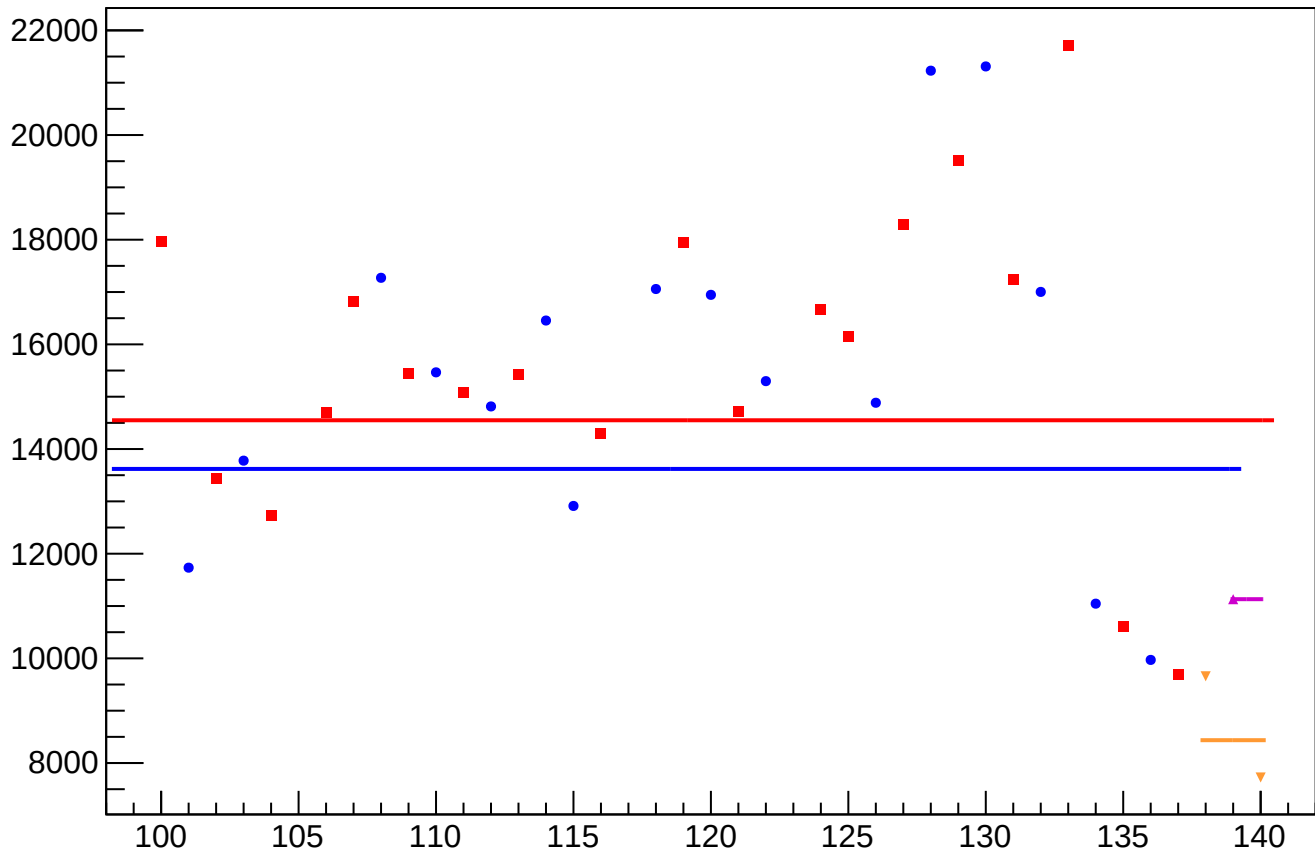
Left In: -17.546 $\pm$ 12.103 χ^2 /NDF: 0.0/0

+ sign -9.095 $\pm$ 4.128 χ^2 /NDF: 23.9/17

All: -10.303 $\pm$ 3.172 χ^2 /NDF: 38.5/37

- sign -12.048 $\pm$ 4.959 χ^2 /NDF: 14.3/19

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845 $\pm$ 3.699 χ^2 /NDF: 746985.9/15

Left Out: 8436.389 $\pm$ 4.750 χ^2 /NDF:38551.3/1

Right Out: 14549.658 $\pm$ 3.844 χ^2 /NDF: 555902.2/18

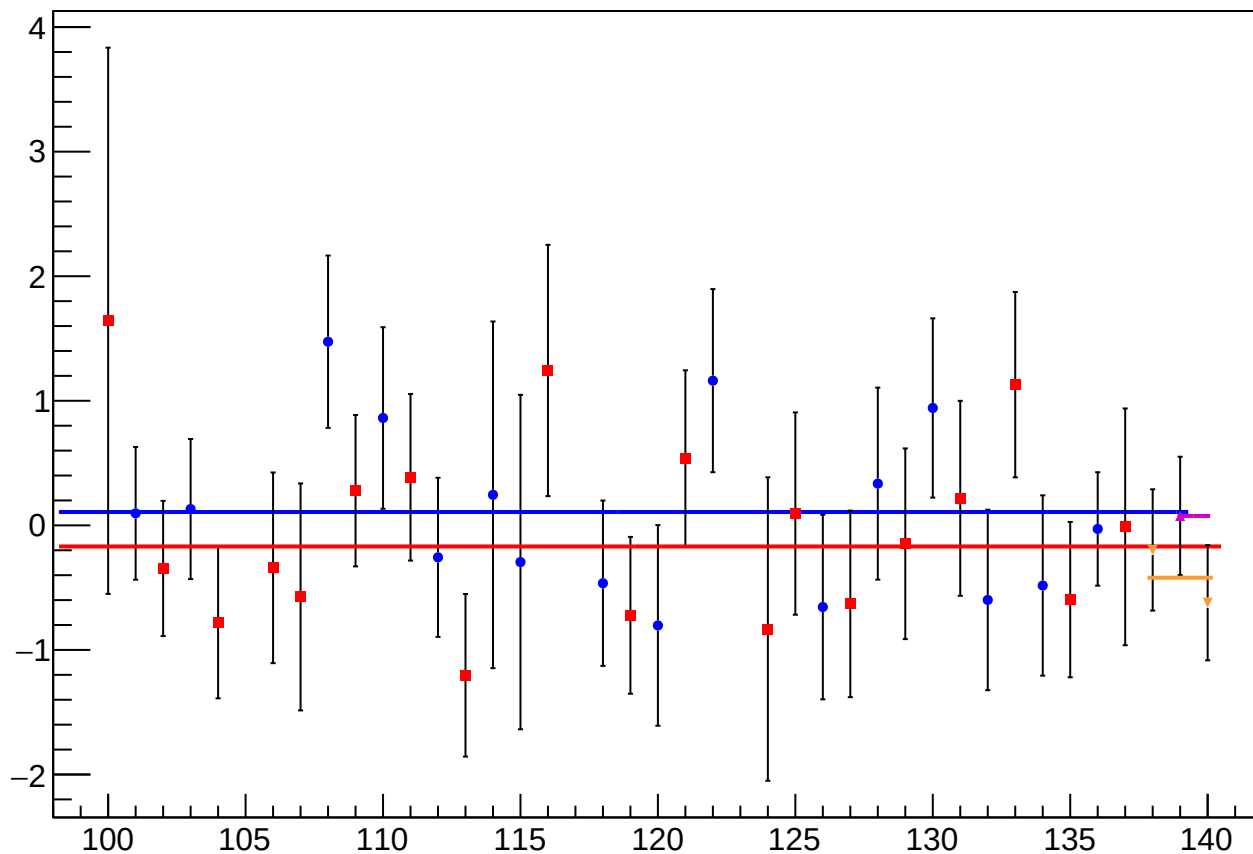
Left In: 11130.906 $\pm$ 8.558 χ^2 /NDF:0.0/0

+ sign 11663.120 $\pm$ 2.919 χ^2 /NDF: 1526751.9/17

All: 12609.571 $\pm$ 2.243 χ^2 /NDF: 2472398.4/3

- sign 13975.709 $\pm$ 3.506 χ^2 /NDF: 688696.7/19

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107 ± 0.172 χ^2/NDF : 13.7/15

Left Out: -0.420 ± 0.335 χ^2/NDF : 0.4/1

Right Out: -0.169 ± 0.169 χ^2/NDF : 14.1/18

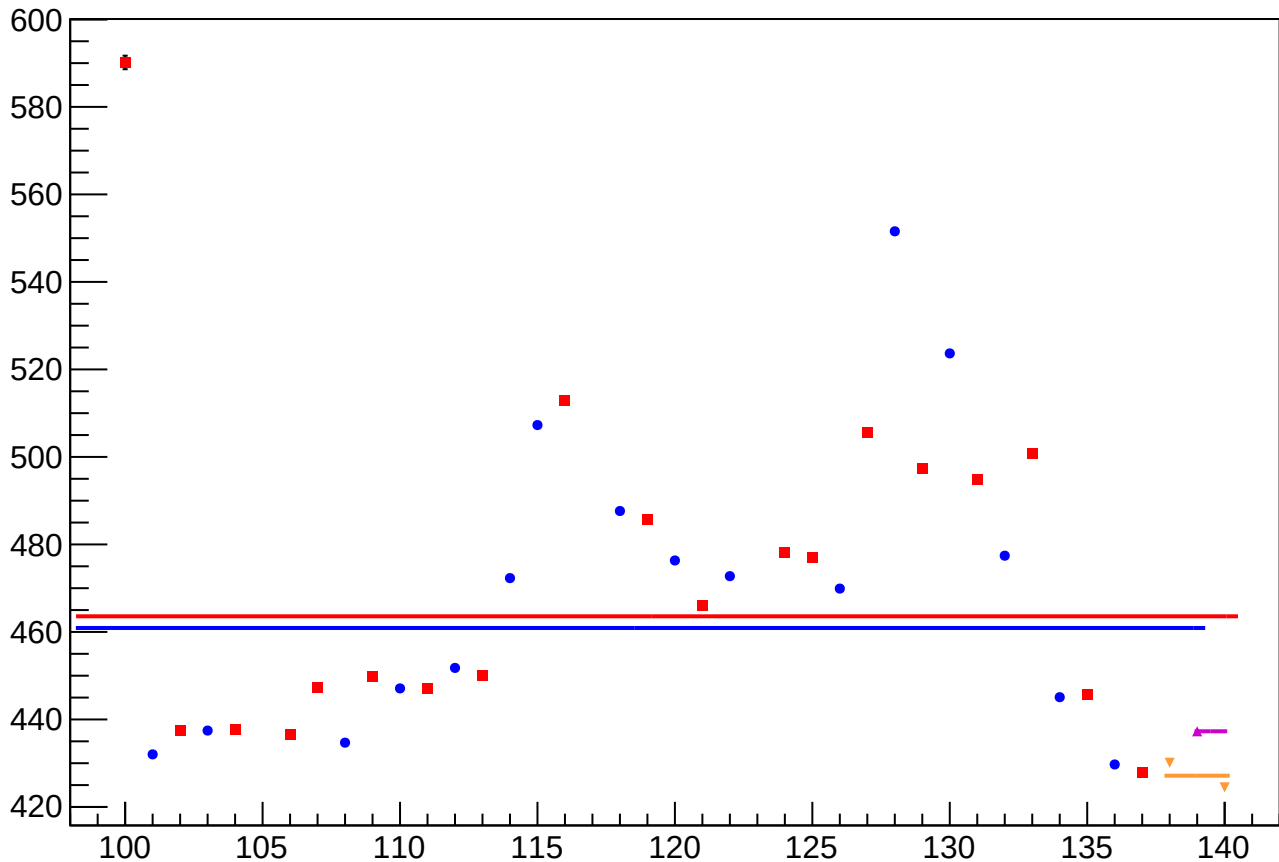
Left In: 0.076 ± 0.475 χ^2/NDF : 0.0/0

+ sign -0.002 ± 0.153 χ^2/NDF : 16.0/17

All: -0.069 ± 0.110 χ^2/NDF : 30.8/37

- sign -0.142 ± 0.160 χ^2/NDF : 14.3/19

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF : 74930.1/15

Left Out: 427.143+/-0.237 χ^2/NDF : 140.2/1

Right Out: 463.573+/-0.120 χ^2/NDF : 52175.6/18

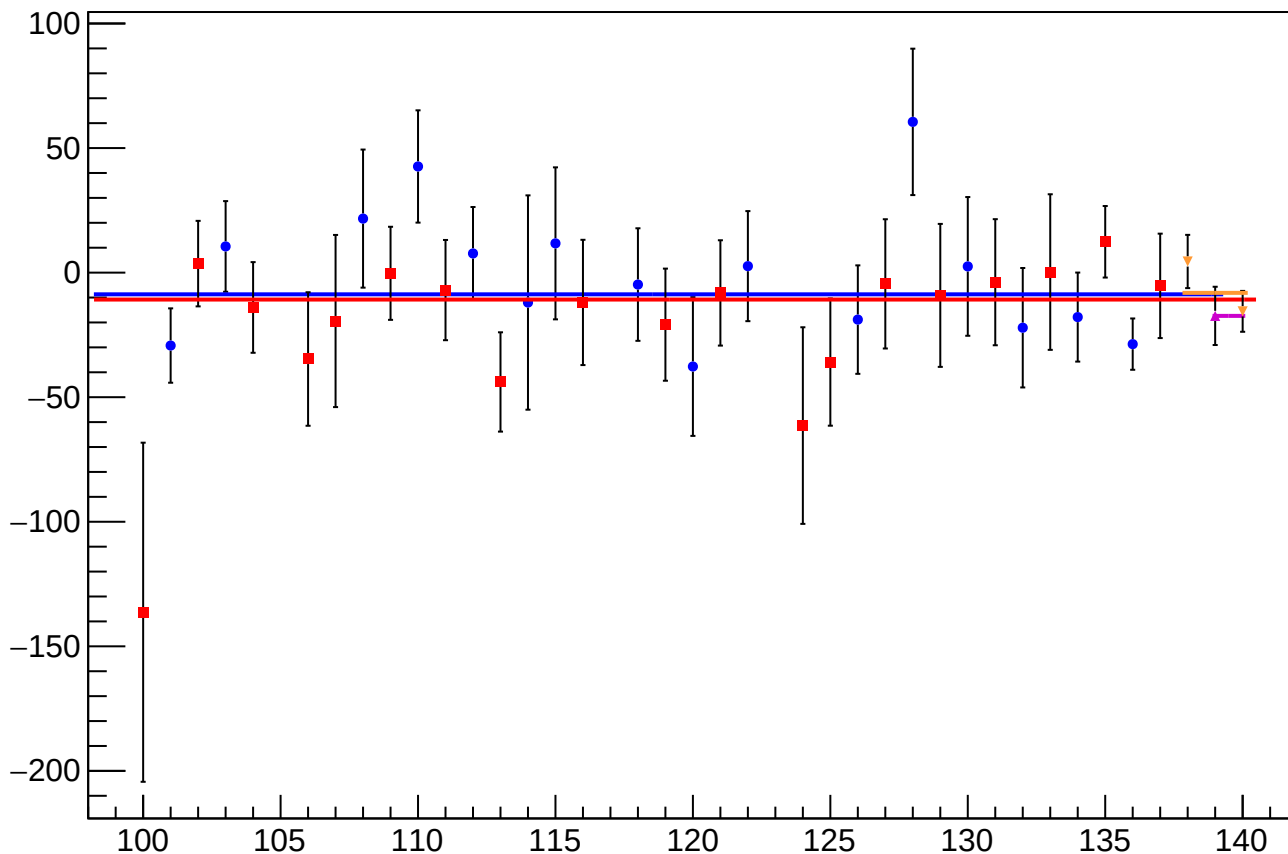
Left In: 437.296+/-0.336 χ^2/NDF : 0.0/0

+ sign 453.889+/-0.108 χ^2/NDF : 91141.4/17

All: 457.104+/-0.078 χ^2/NDF : 150591.5/37

- sign 460.610+/-0.113 χ^2/NDF : 57600.1/19

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF : 22.3/15

Left Out: -8.120+/-6.508 χ^2/NDF : 2.2/1

Right Out: -10.807+/-5.192 χ^2/NDF : 13.9/18

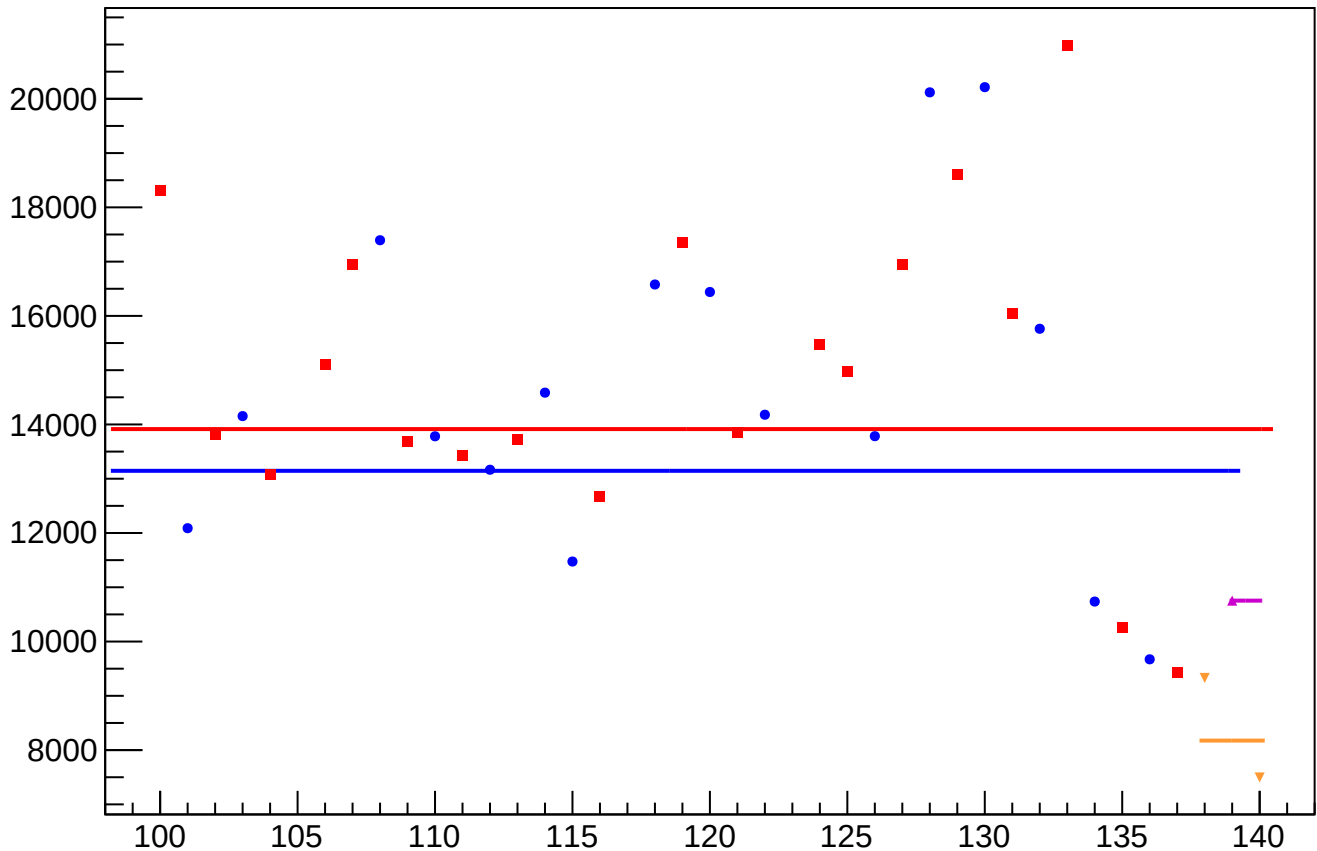
Left In: -17.362+/-11.693 χ^2/NDF : 0.0/0

+ sign -8.488+/-3.983 χ^2/NDF : 24.5/17

All: -9.893+/-3.051 χ^2/NDF : 38.9/37

- sign -11.887+/-4.745 χ^2/NDF : 14.1/19

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF : 682620.1/15

Left Out: 8175.233+/-4.602 χ^2/NDF : 37043.8/1

Right Out: 13914.770+/-3.671 χ^2/NDF : 511000.7/18

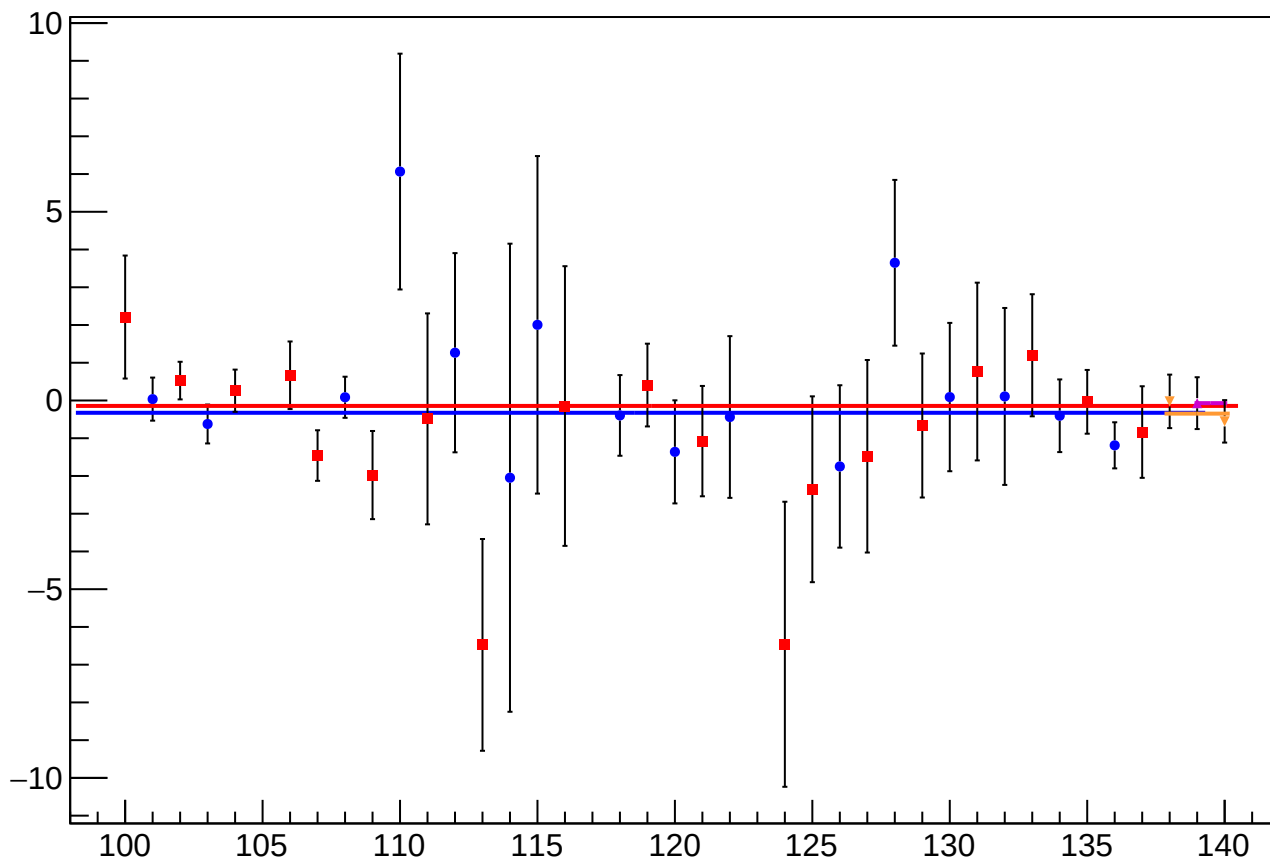
Left In: 10753.851+/-8.268 χ^2/NDF : 0.0/0

+ sign 11284.327+/-2.816 χ^2/NDF : 1449427.0/17

All: 12156.420+/-2.157 χ^2/NDF : 2314529.0/3

- sign 13394.258+/-3.355 χ^2/NDF : 633090.3/19

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326 ± 0.244 χ^2/NDF : 12.6/15

Left Out: -0.348 ± 0.441 χ^2/NDF : 0.3/1

Right Out: -0.144 ± 0.244 χ^2/NDF : 22.5/18

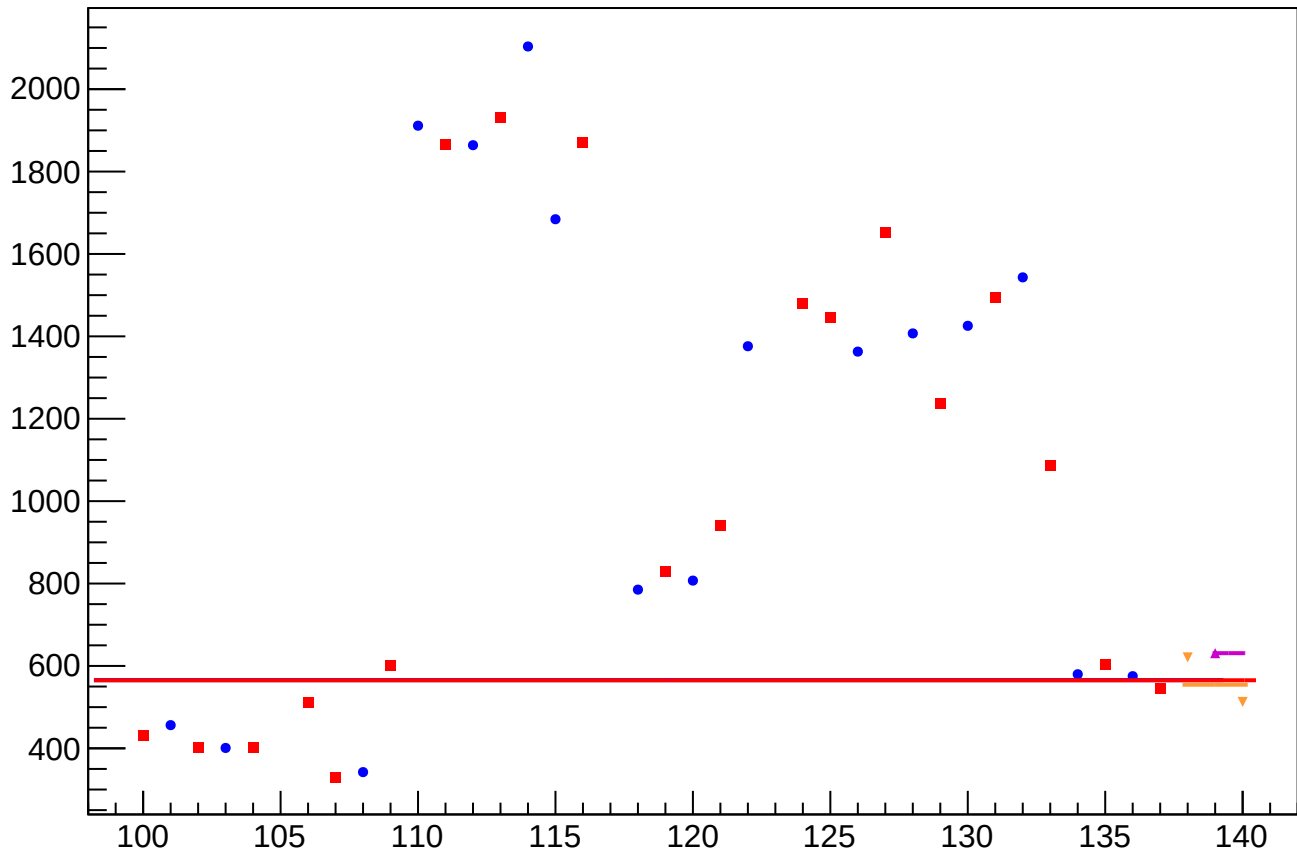
Left In: -0.070 ± 0.687 χ^2/NDF : 0.0/0

+ sign -0.331 ± 0.214 χ^2/NDF : 12.9/17

All: -0.241 ± 0.157 χ^2/NDF : 35.8/37

- sign -0.136 ± 0.230 χ^2/NDF : 22.5/19

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF : 3450533.8/15

Left Out: 554.402+/-0.312 χ^2/NDF : 28548.5/1

Right Out: 565.223+/-0.173 χ^2/NDF : 3571620.7/18

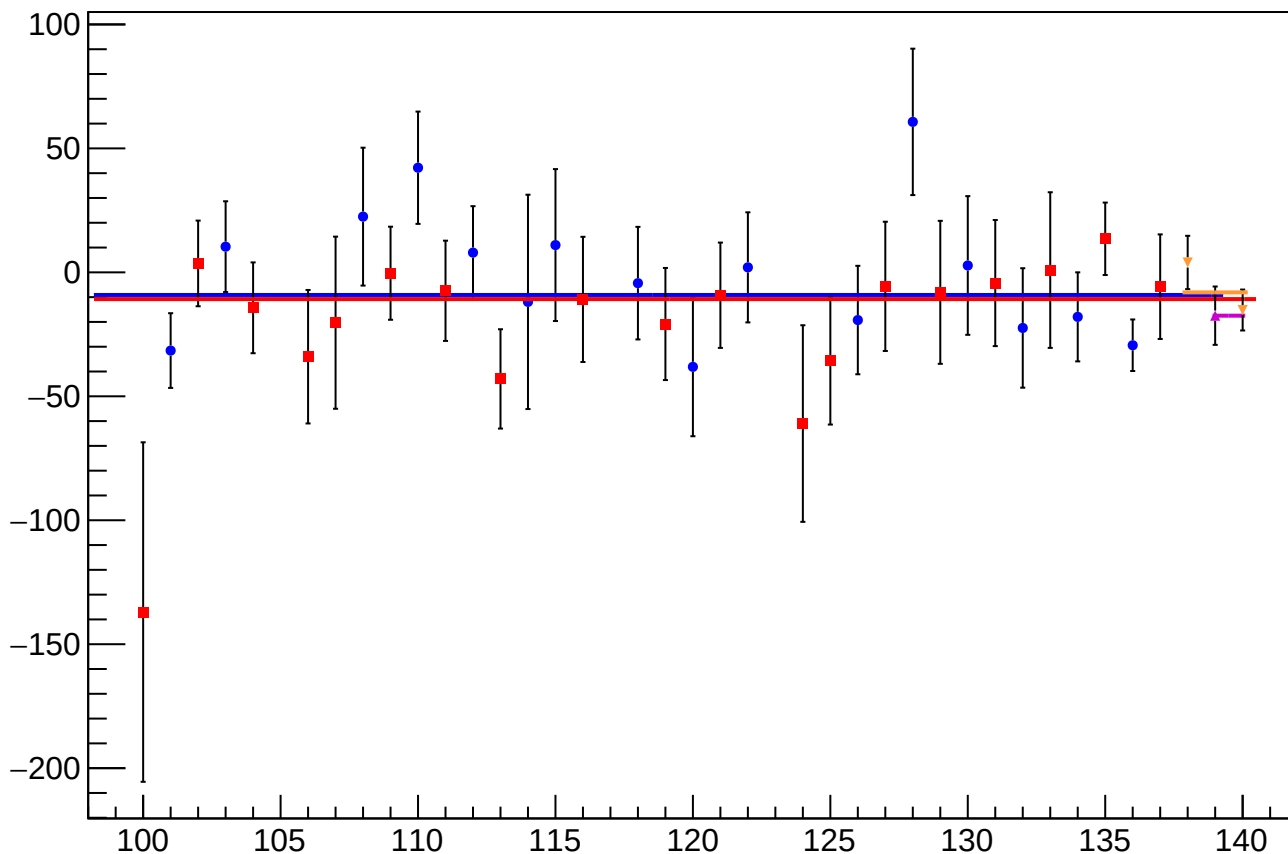
Left In: 630.982+/-0.486 χ^2/NDF : 0.0/0

+ sign 562.917+/-0.151 χ^2/NDF : 3480058.7/17

All: 567.401+/-0.111 χ^2/NDF : 7069862.6/37

- sign 572.613+/-0.163 χ^2/NDF : 3587896.8/19

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130 $\pm$ 5.069 χ^2/NDF : 22.7/15

Left Out: -8.086 $\pm$ 6.547 χ^2/NDF : 2.0/1

Right Out: -10.788 $\pm$ 5.227 χ^2/NDF : 13.7/18

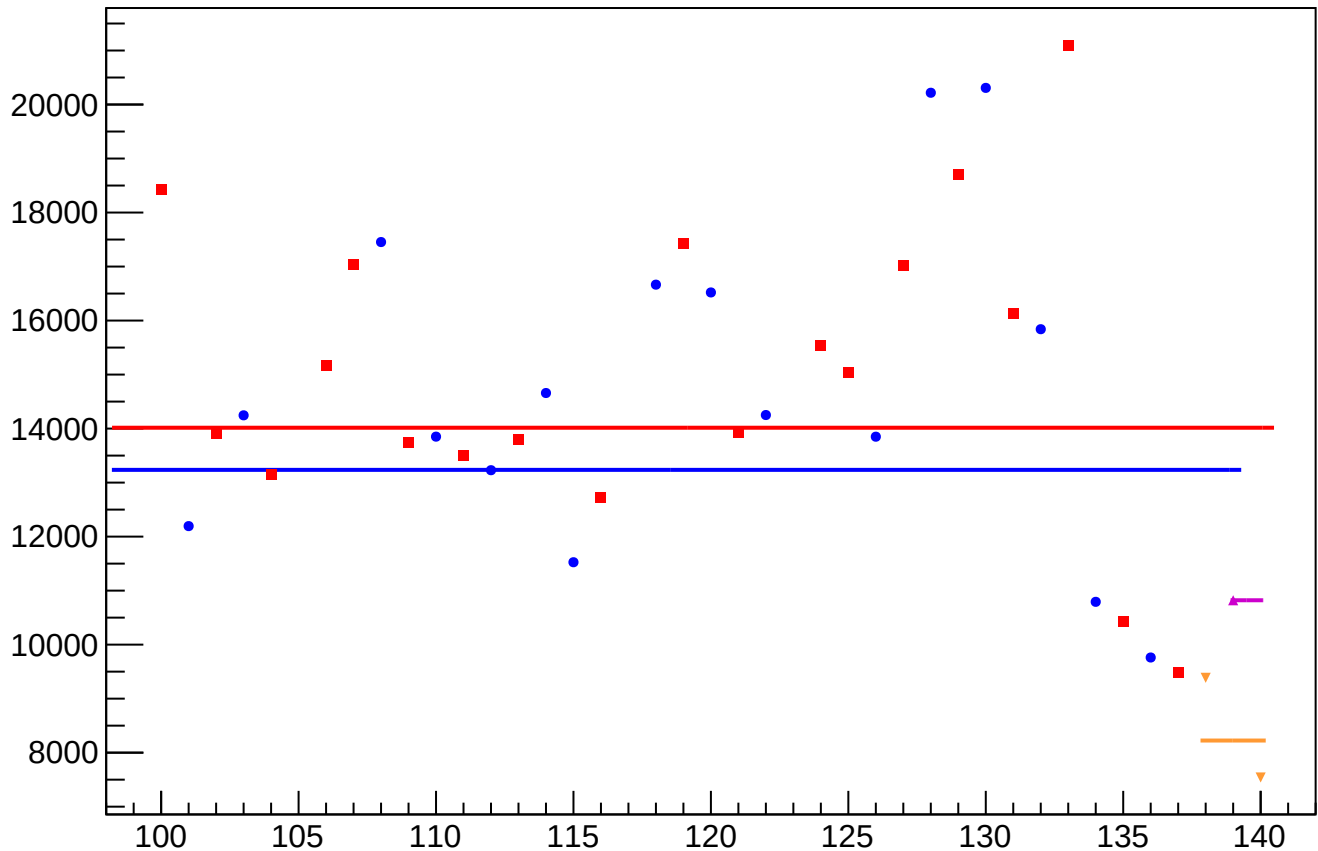
Left In: -17.476 $\pm$ 11.766 χ^2/NDF : 0.0/0

+ sign -8.739 $\pm$ 4.008 χ^2/NDF : 24.8/17

All: -10.041 $\pm$ 3.071 χ^2/NDF : 39.0/37

- sign -11.890 $\pm$ 4.777 χ^2/NDF : 14.0/19

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF : 673887.0/15

Left Out: 8224.453+/-4.630 χ^2/NDF : 37071.2/1

Right Out: 14016.035+/-3.696 χ^2/NDF : 498592.9/18

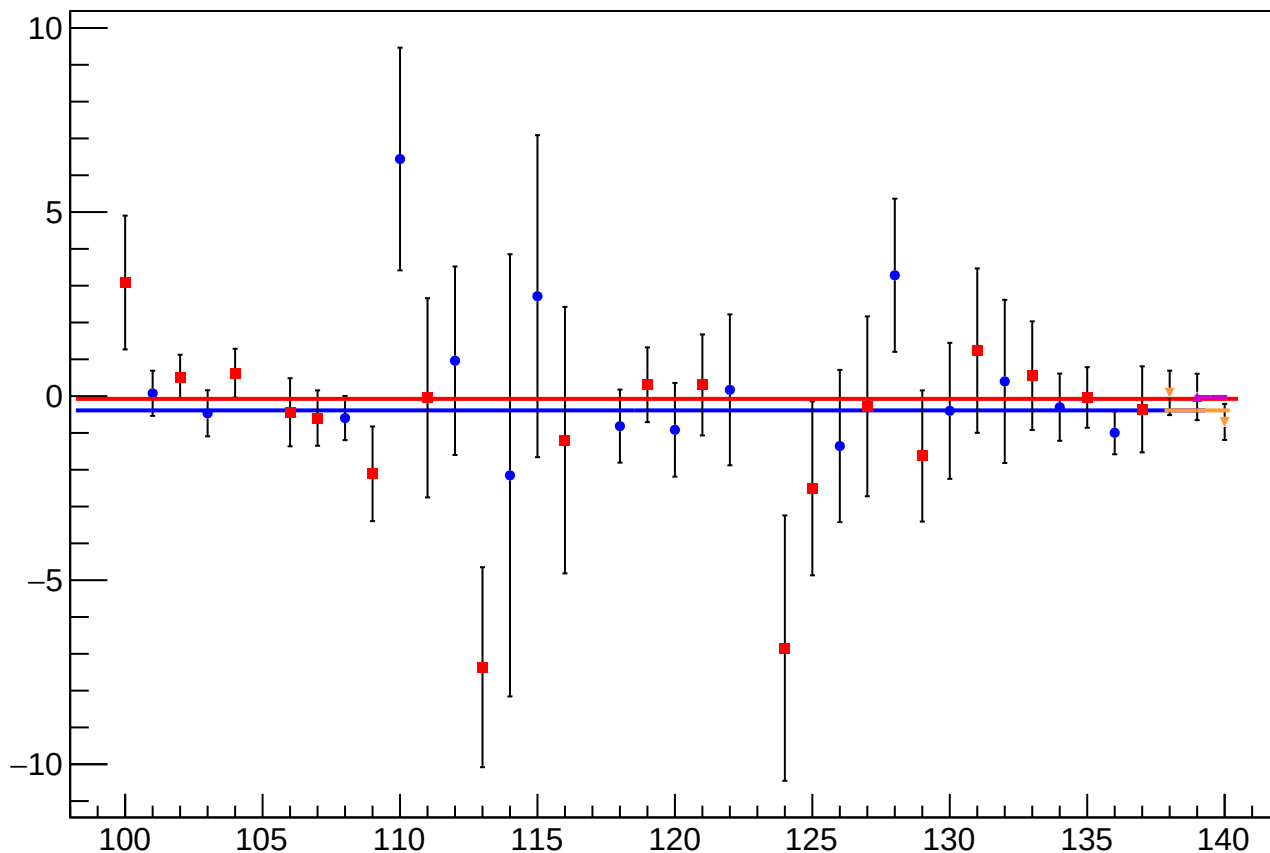
Left In: 10821.500+/-8.320 χ^2/NDF : 0.0/0

+ sign 11357.595+/-2.834 χ^2/NDF : 1443526.5/17

All: 12238.354+/-2.171 χ^2/NDF : 2298980.6/3

- sign 13489.448+/-3.378 χ^2/NDF : 621714.1/19

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388 ± 0.256 χ^2/NDF : 11.7/15

Left Out: -0.387 ± 0.380 χ^2/NDF : 1.0/1

Right Out: -0.075 ± 0.265 χ^2/NDF : 21.7/18

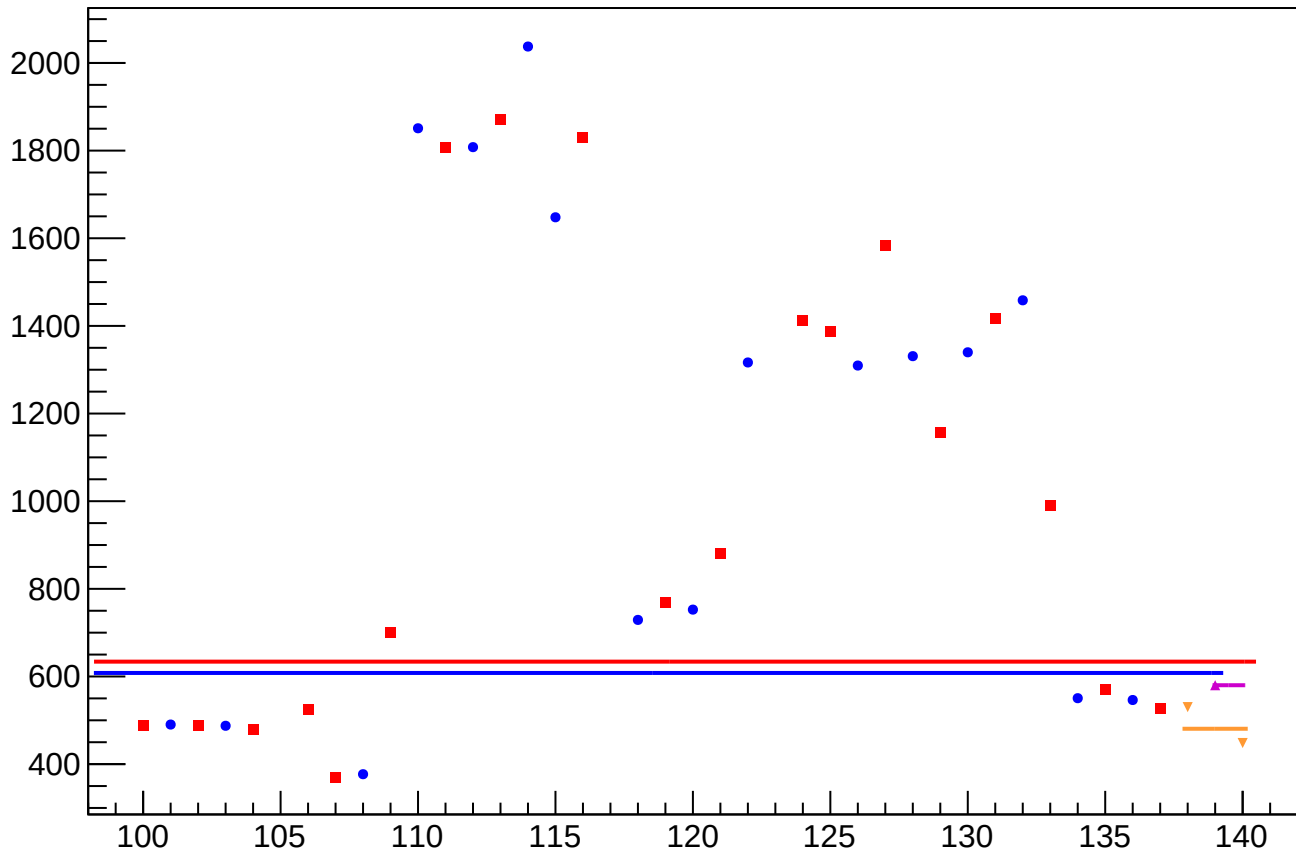
Left In: -0.022 ± 0.631 χ^2/NDF : 0.0/0

+ sign -0.388 ± 0.212 χ^2/NDF : 12.7/17

All: -0.249 ± 0.160 χ^2/NDF : 35.4/37

- sign -0.067 ± 0.244 χ^2/NDF : 21.7/19

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF : 2852722.1/15

Left Out: 480.713+/-0.269 χ^2/NDF :22220.0/1

Right Out: 633.883+/-0.187 χ^2/NDF : 2788449.1/18

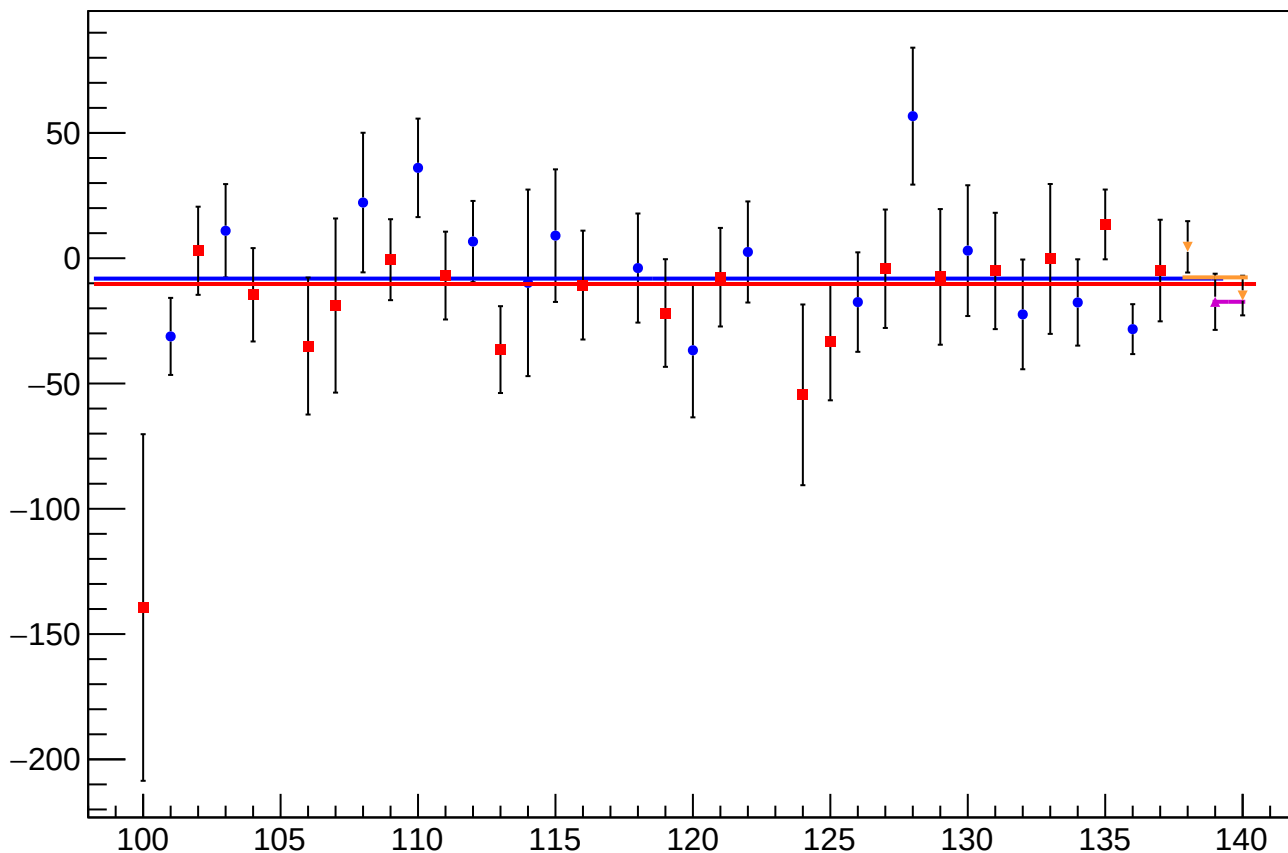
Left In: 580.063+/-0.446 χ^2/NDF :0.0/0

+ sign 568.393+/-0.150 χ^2/NDF : 3029473.7/17

All: 593.131+/-0.113 χ^2/NDF : 5893438.9/37

- sign 625.830+/-0.172 χ^2/NDF : 2800837.1/19

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132 ± 4.779 χ^2/NDF : 23.1/15

Left Out: -7.640 ± 6.264 χ^2/NDF : 2.3/1

Right Out: -10.288 ± 4.873 χ^2/NDF : 13.7/18

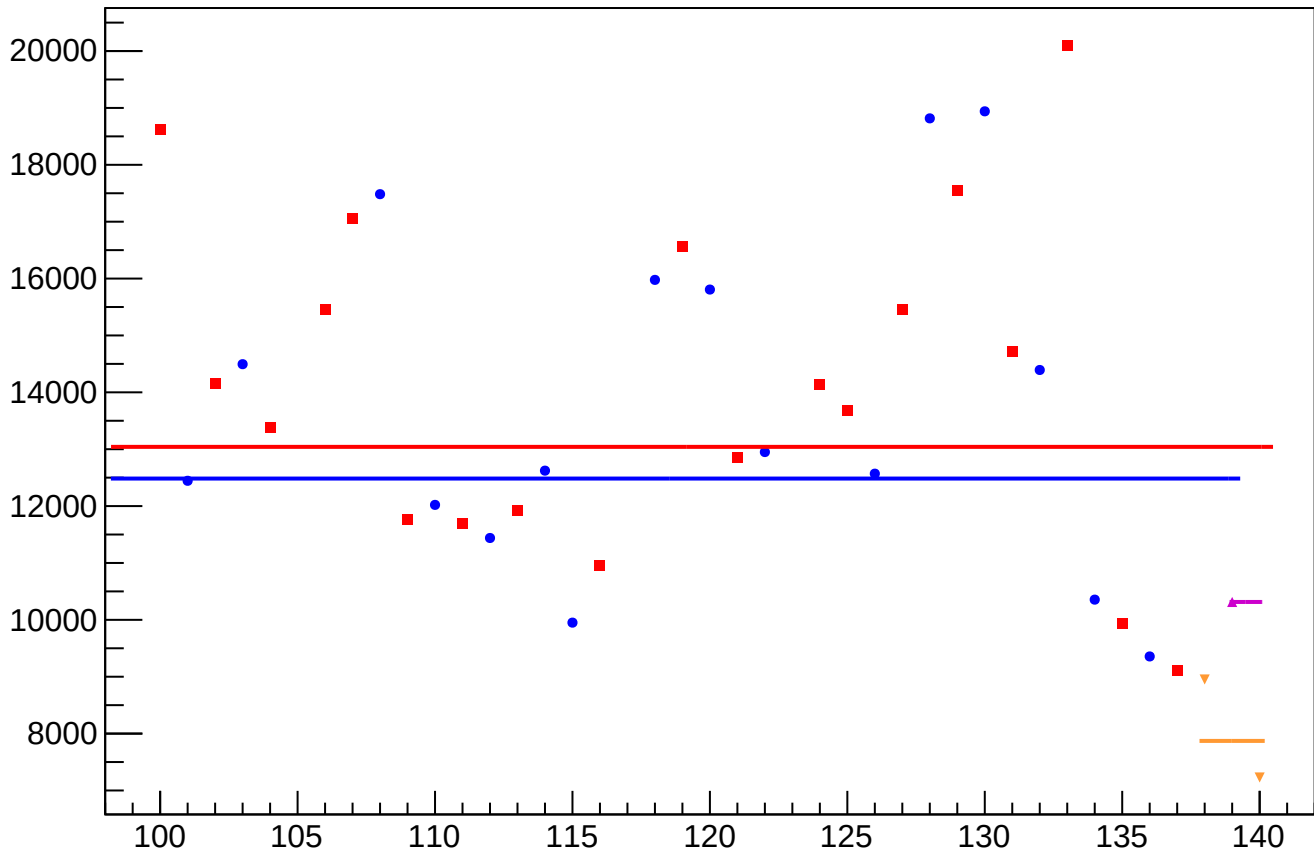
Left In: -17.387 ± 11.215 χ^2/NDF : 0.0/0

+ sign -7.951 ± 3.799 χ^2/NDF : 25.4/17

All: -9.404 ± 2.895 χ^2/NDF : 39.7/37

- sign -11.415 ± 4.470 χ^2/NDF : 14.0/19

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955 $\pm$ 3.379 χ^2 /NDF: 671560.0/15

Left Out: 7871.373 $\pm$ 4.429 χ^2 /NDF:35394.5/1

Right Out: 13041.241 $\pm$ 3.446 χ^2 /NDF: 544486.8/18

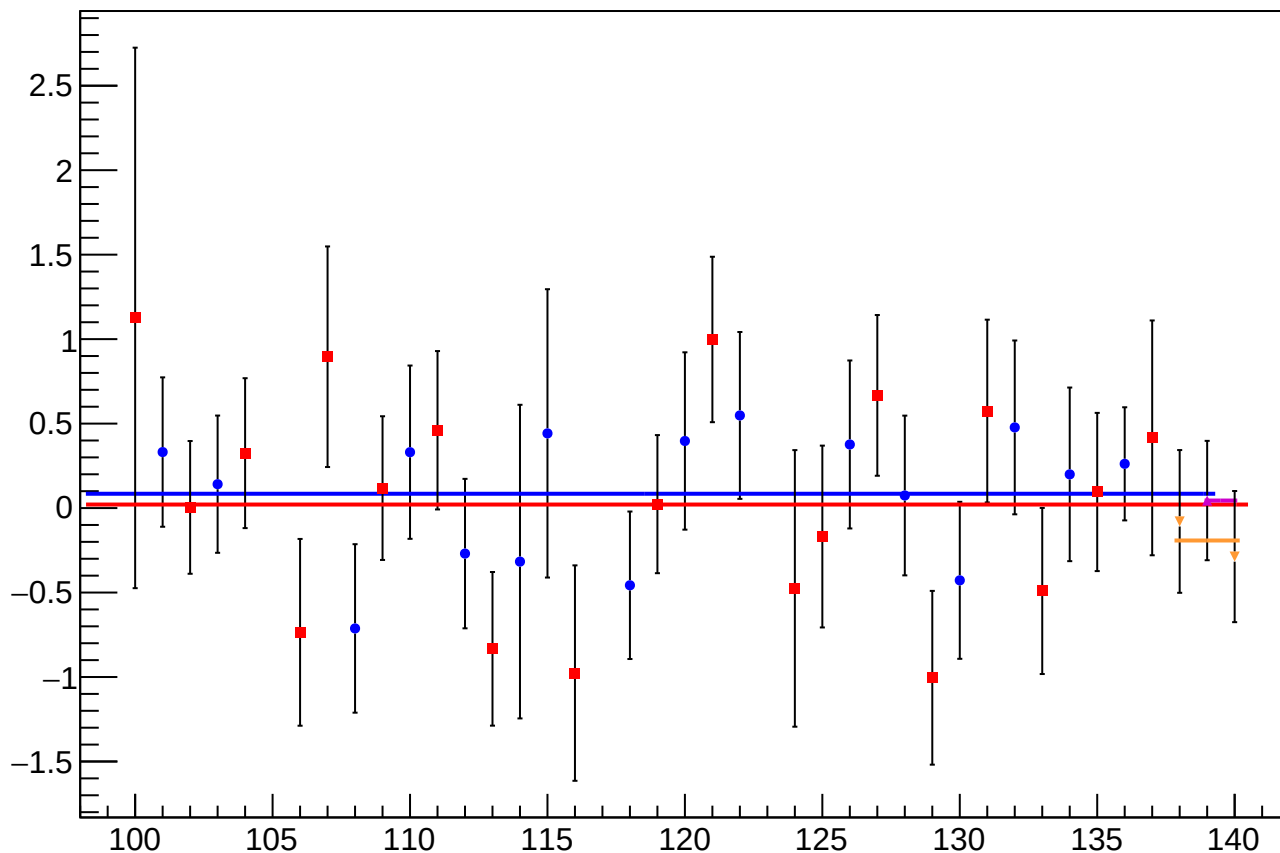
Left In: 10314.328 $\pm$ 7.930 χ^2 /NDF:0.0/0

+ sign 10786.823 $\pm$ 2.687 χ^2 /NDF: 1392442.2/17

All: 11550.829 $\pm$ 2.047 χ^2 /NDF: 2229168.0/3

- sign 12608.105 $\pm$ 3.161 χ^2 /NDF: 643949.9/19

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085 $\pm$ 0.120 χ^2 /NDF: 9.4/15

Left Out: -0.192 $\pm$ 0.286 χ^2 /NDF:0.1/1

Right Out: 0.021 $\pm$ 0.117 χ^2 /NDF: 24.3/18

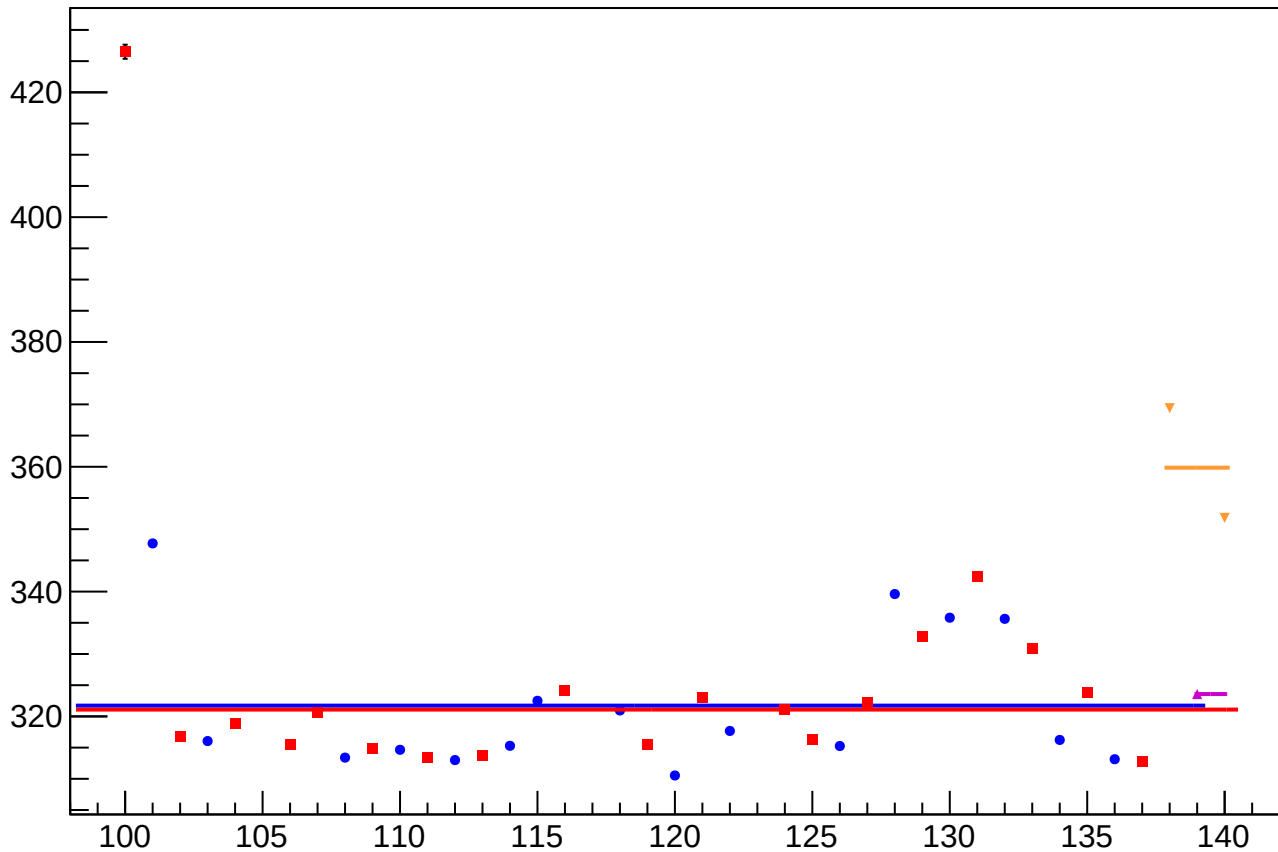
Left In: 0.045 $\pm$ 0.353 χ^2 /NDF:0.0/0

+ sign 0.043 $\pm$ 0.111 χ^2 /NDF: 10.3/17

All: 0.033 $\pm$ 0.079 χ^2 /NDF: 34.6/37

- sign 0.023 $\pm$ 0.111 χ^2 /NDF: 24.3/19

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727 $\pm$ 0.085 χ^2 /NDF: 18214.6/15

Left Out: 359.857 $\pm$ 0.202 χ^2 /NDF:1877.9/1

Right Out: 321.093 $\pm$ 0.083 χ^2 /NDF: 16579.3/18

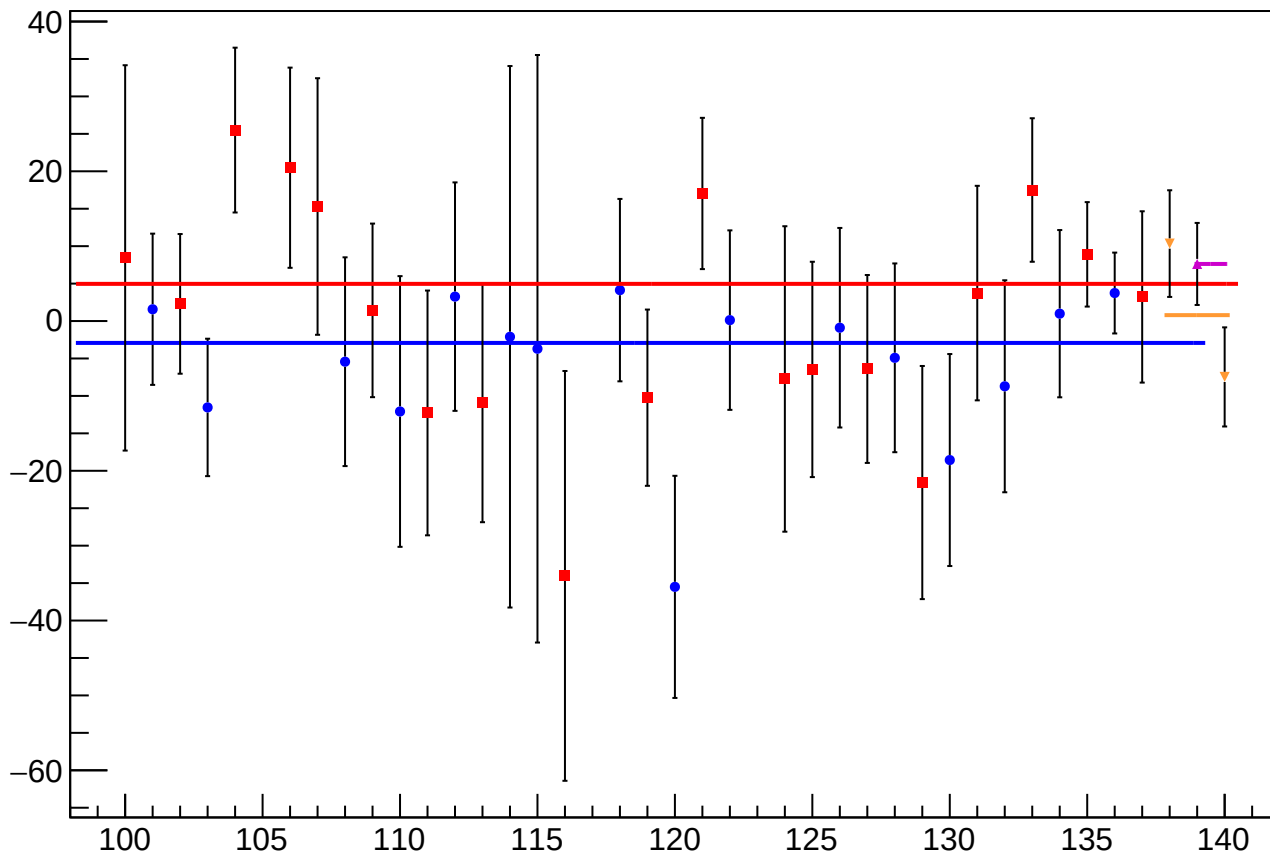
Left In: 323.583 $\pm$ 0.250 χ^2 /NDF:0.0/0

+ sign 327.453 $\pm$ 0.078 χ^2 /NDF: 50337.5/17

All: 324.417 $\pm$ 0.056 χ^2 /NDF: 70031.8/37

- sign 321.341 $\pm$ 0.079 χ^2 /NDF: 16668.8/19

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922 ± 2.910 χ^2/NDF : 9.8/15

Left Out: 0.788 ± 4.849 χ^2/NDF : 3.4/1

Right Out: 4.965 ± 2.824 χ^2/NDF : 19.4/18

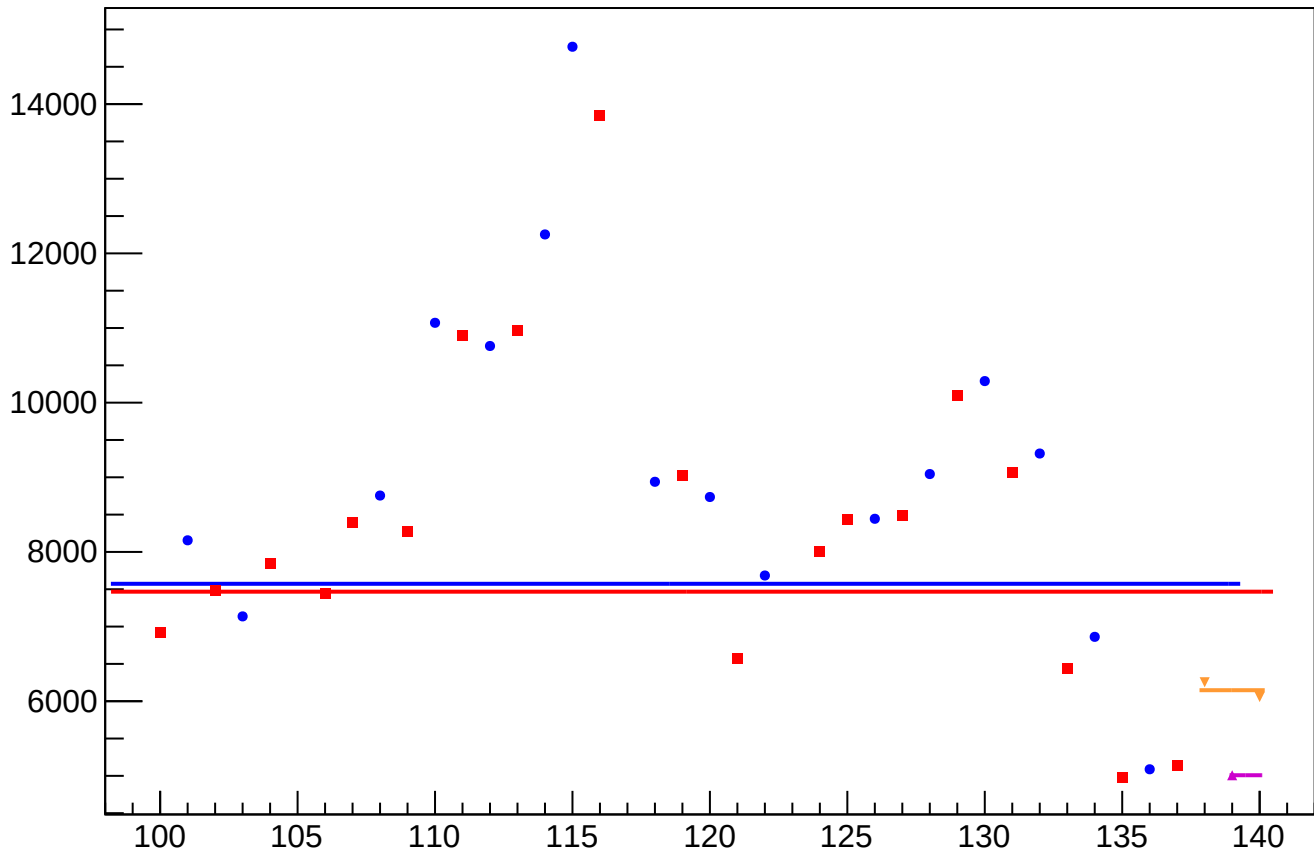
Left In: 7.625 ± 5.479 χ^2/NDF : 0.0/0

+ sign -1.939 ± 2.495 χ^2/NDF : 13.6/17

All: 1.770 ± 1.770 χ^2/NDF : 37.7/37

- sign 5.524 ± 2.510 χ^2/NDF : 19.6/19

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF : 897588.4/15

Left Out: 6147.477+/-3.428 χ^2/NDF : 827.8/1

Right Out: 7467.477+/-1.997 χ^2/NDF : 828353.3/18

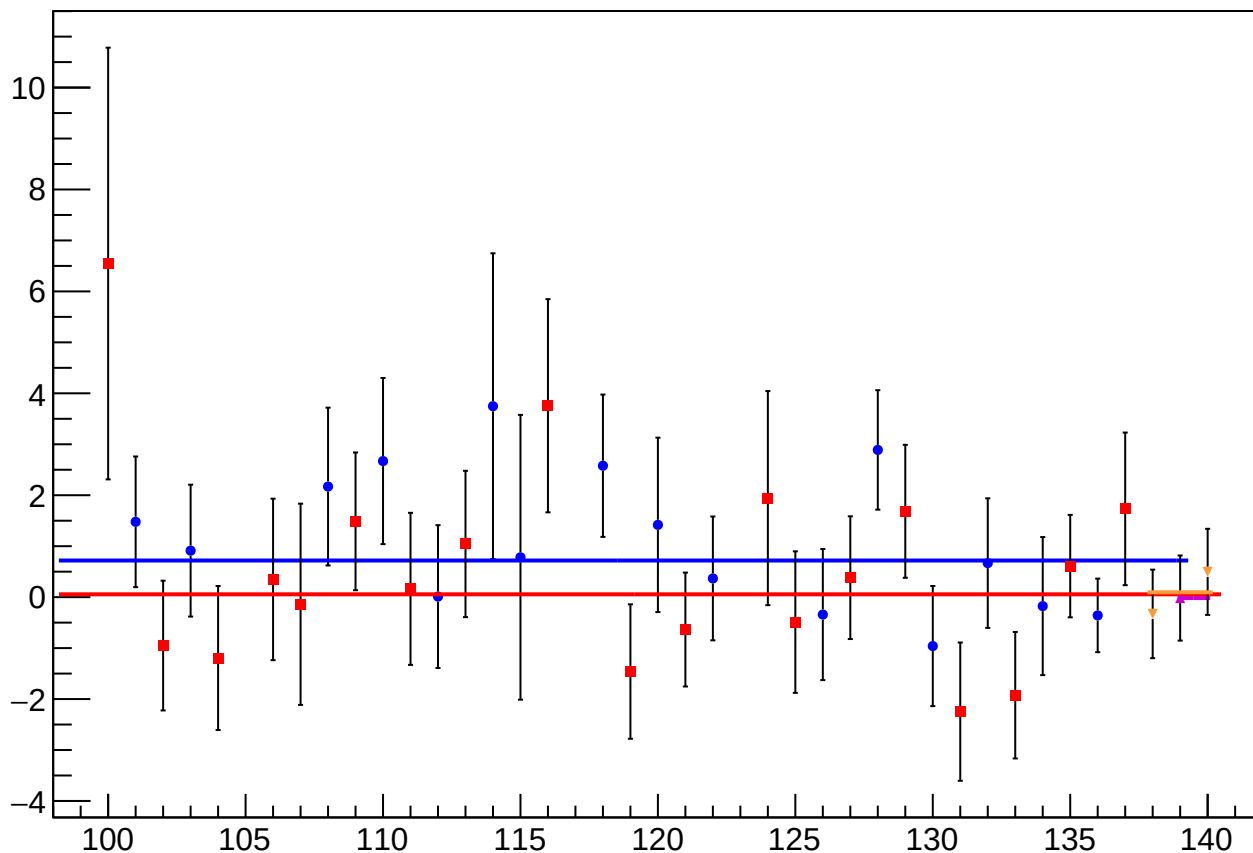
Left In: 5008.264+/-3.874 χ^2/NDF : 0.0/0

+ sign 7195.549+/-1.764 χ^2/NDF : 1025538.1/17

All: 7074.172+/-1.251 χ^2/NDF : 2181735.4/37

- sign 6951.342+/-1.775 χ^2/NDF : 1146676.5/19

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719 ± 0.326 χ^2/NDF : 14.8/15

Left Out: 0.095 ± 0.606 χ^2/NDF : 0.5/1

Right Out: 0.056 ± 0.323 χ^2/NDF : 19.8/18

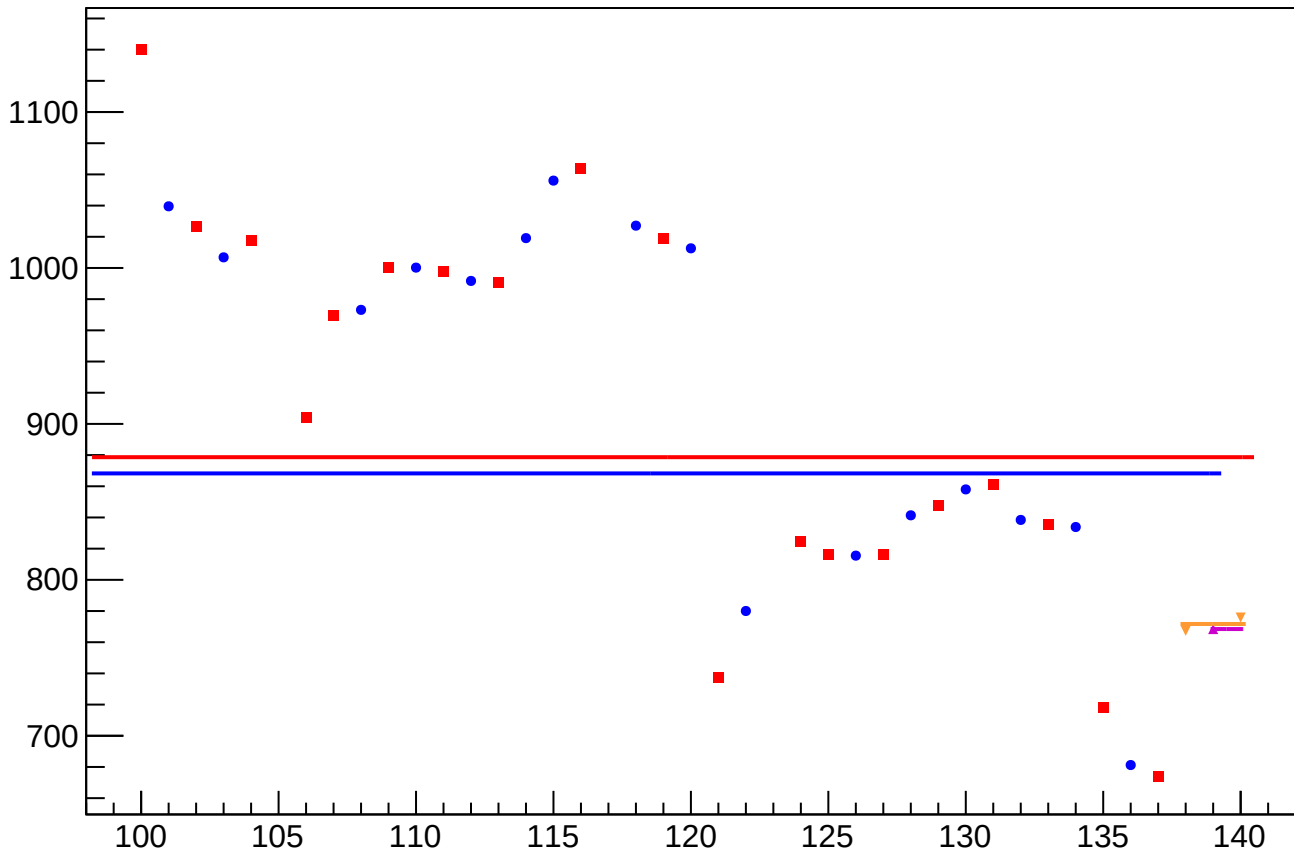
Left In: -0.018 ± 0.835 χ^2/NDF : 0.0/0

+ sign 0.579 ± 0.287 χ^2/NDF : 16.1/17

All: 0.326 ± 0.208 χ^2/NDF : 37.5/37

- sign 0.046 ± 0.302 χ^2/NDF : 19.8/19

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF : 302409.6/15

Left Out: 771.690+/-0.428 χ^2/NDF : 98.0/1

Right Out: 878.658+/-0.229 χ^2/NDF : 272530.7/18

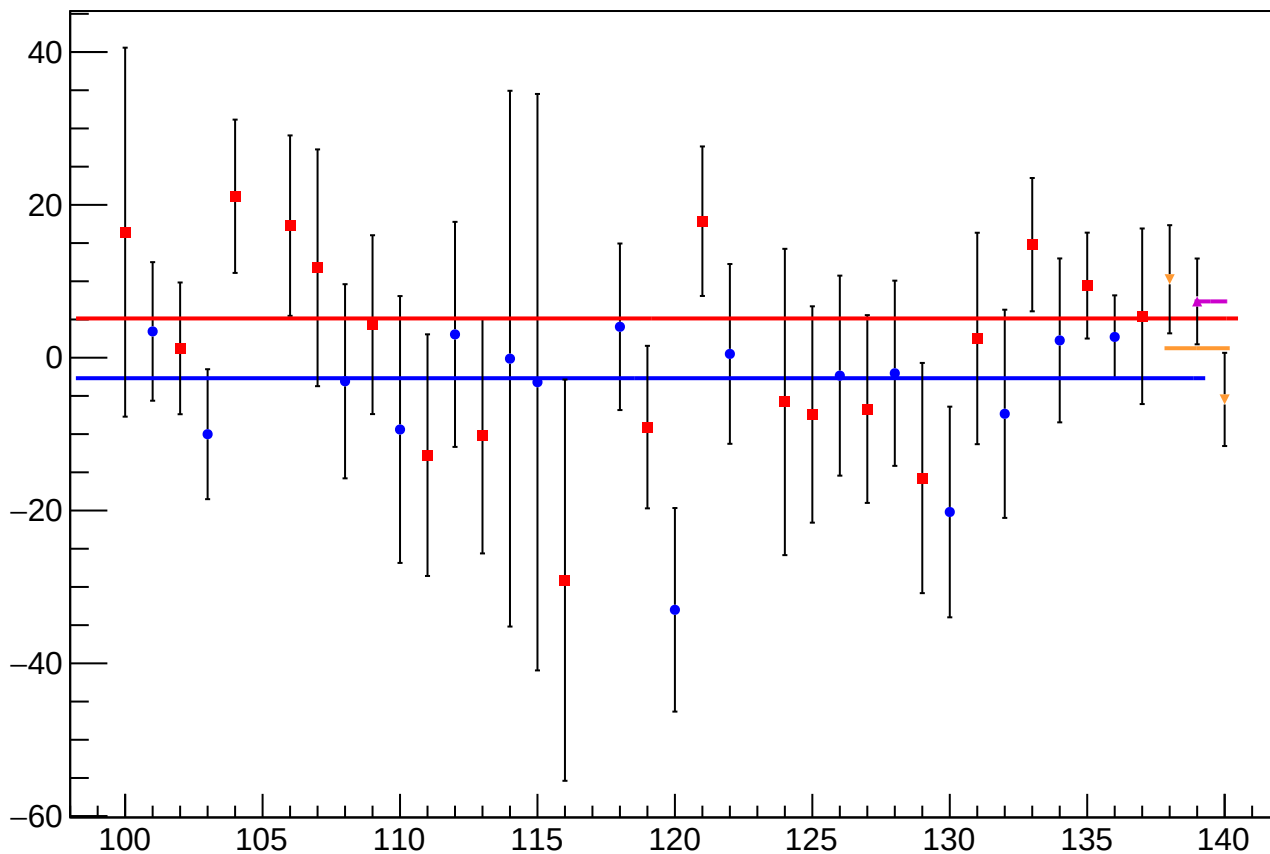
Left In: 768.447+/-0.591 χ^2/NDF : 0.0/0

+ sign 846.568+/-0.203 χ^2/NDF : 341931.7/17

All: 854.991+/-0.147 χ^2/NDF : 648375.0/37

- sign 864.290+/-0.213 χ^2/NDF : 302818.7/19

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683 ± 2.788 χ^2/NDF : 10.1/15

Left Out: 1.239 ± 4.620 χ^2/NDF : 2.8/1

Right Out: 5.136 ± 2.692 χ^2/NDF : 17.3/18

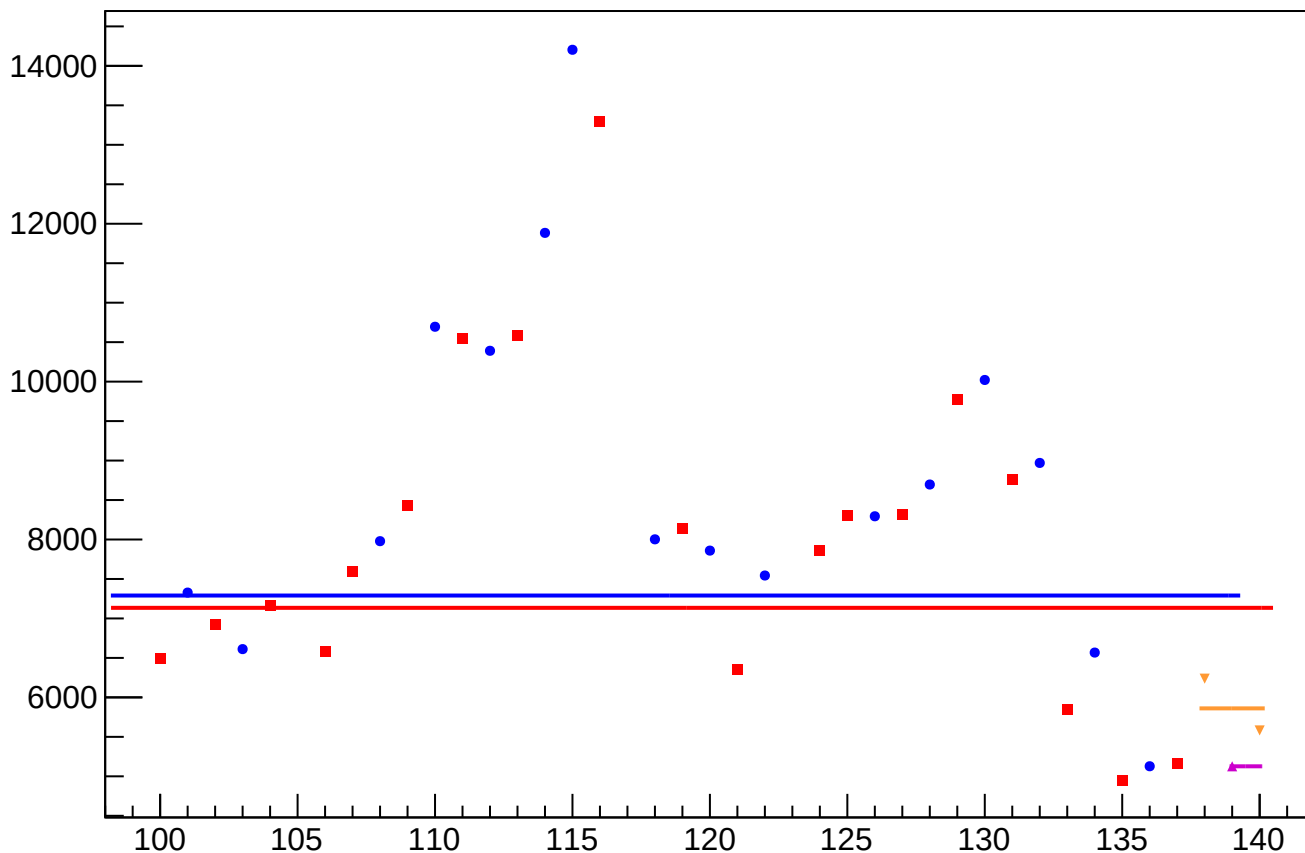
Left In: 7.366 ± 5.614 χ^2/NDF : 0.0/0

+ sign -1.636 ± 2.387 χ^2/NDF : 13.4/17

All: 1.899 ± 1.702 χ^2/NDF : 35.3/37

- sign 5.553 ± 2.427 χ^2/NDF : 17.4/19

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF : 770518.2/15

Left Out: 5860.704+/-3.267 χ^2/NDF : 9856.0/1

Right Out: 7134.411+/-1.903 χ^2/NDF : 792788.1/18

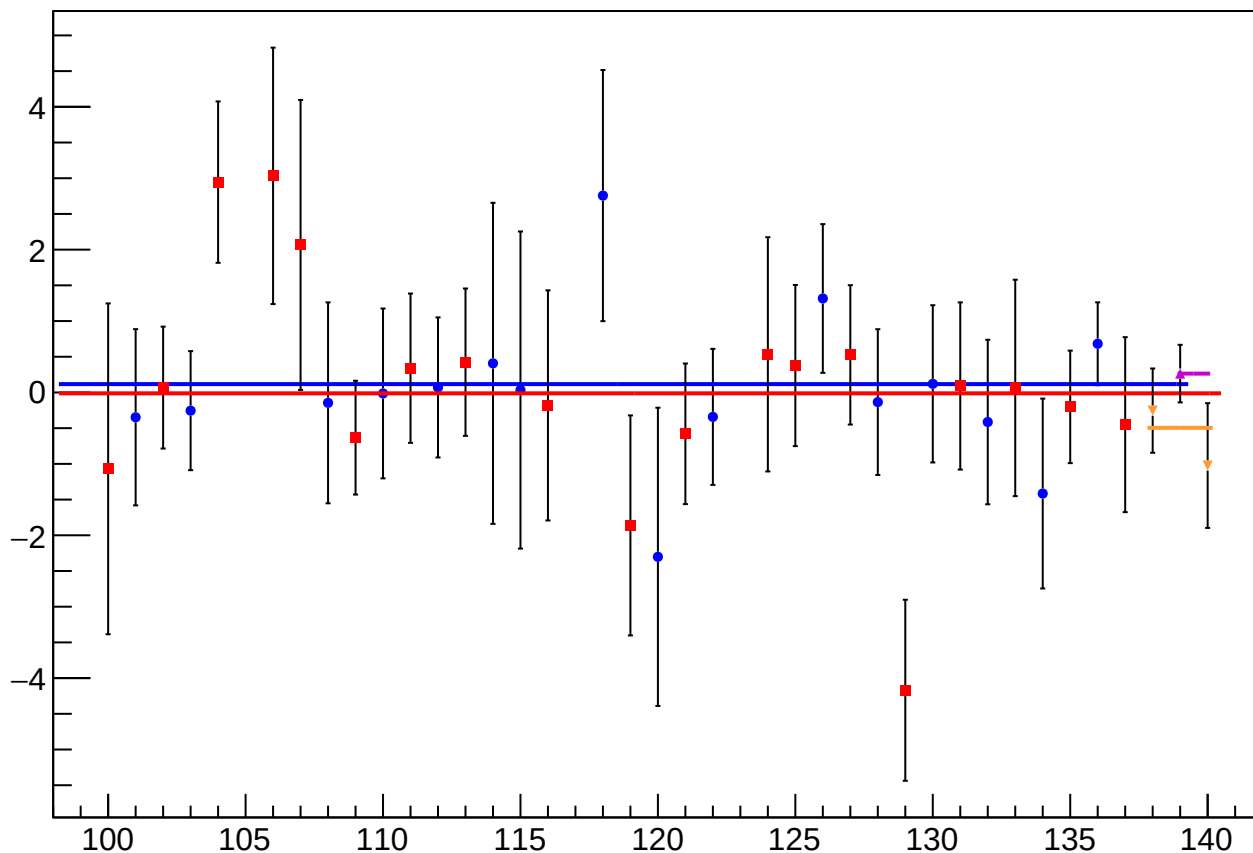
Left In: 5126.901+/-3.970 χ^2/NDF : 0.0/0

+ sign 6908.571+/-1.688 χ^2/NDF : 920745.1/17

All: 6835.093+/-1.203 χ^2/NDF : 1925323.4/37

- sign 6759.122+/-1.716 χ^2/NDF : 1000724.1/19

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117 ± 0.273 $\chi^2/\text{NDF}: 8.1/15$

Left Out: -0.495 ± 0.489 $\chi^2/\text{NDF}: 0.5/1$

Right Out: -0.012 ± 0.263 $\chi^2/\text{NDF}: 25.2/18$

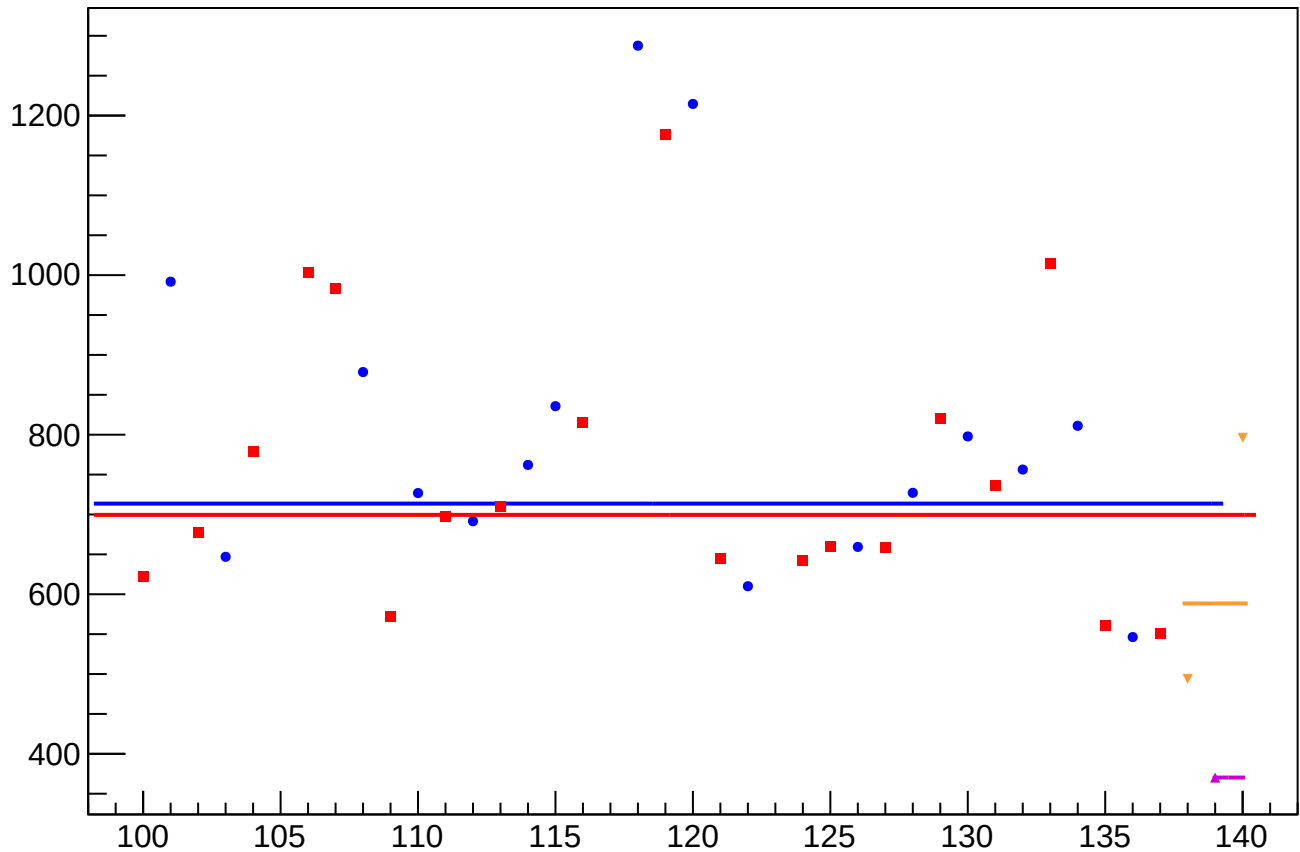
Left In: 0.264 ± 0.403 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.029 ± 0.238 $\chi^2/\text{NDF}: 9.8/17$

All: 0.025 ± 0.162 $\chi^2/\text{NDF}: 35.4/37$

- sign 0.070 ± 0.220 $\chi^2/\text{NDF}: 25.5/19$

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627 $\pm$ 0.193 χ^2 /NDF: 699303.9/15

Left Out: 588.502 $\pm$ 0.346 χ^2 /NDF:164492.0/1

Right Out: 699.502 $\pm$ 0.186 χ^2 /NDF: 575759.9/18

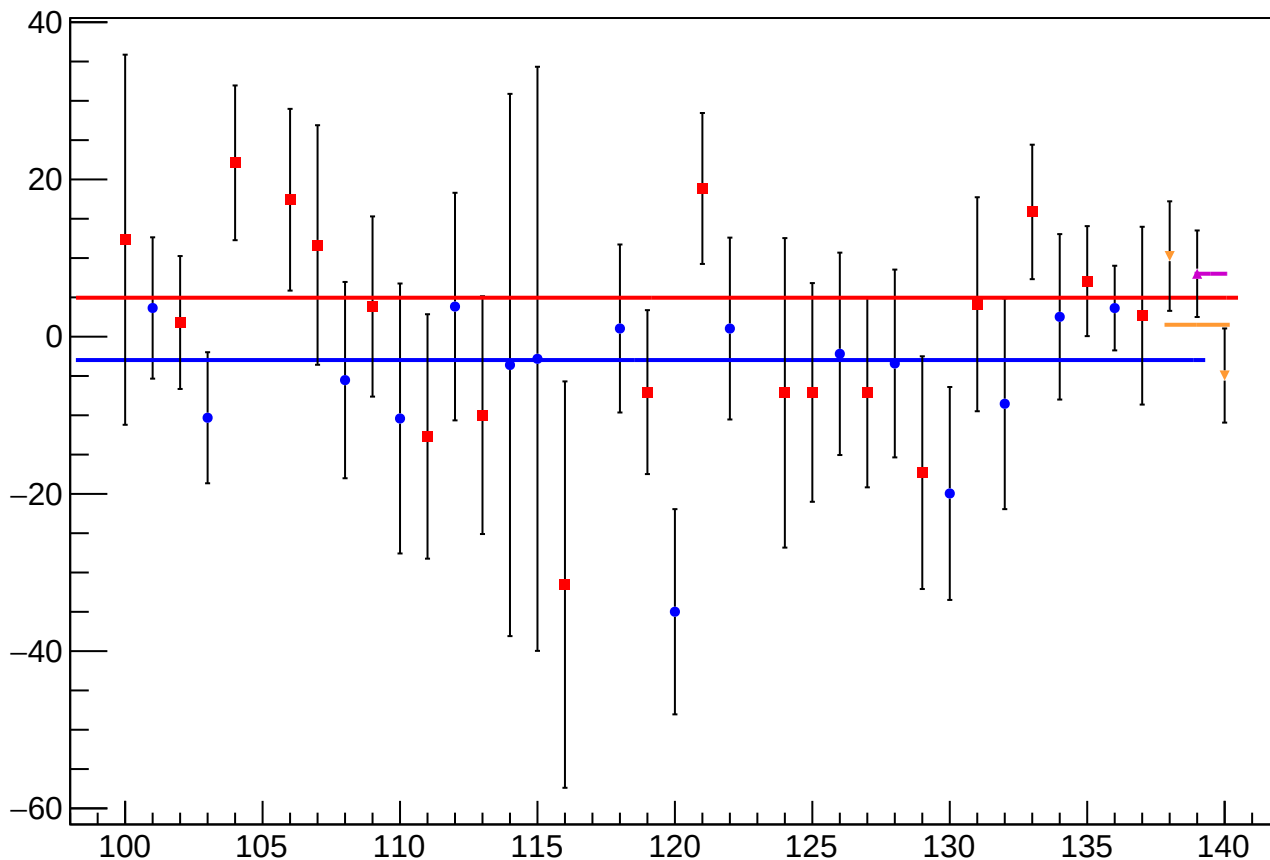
Left In: 370.228 $\pm$ 0.285 χ^2 /NDF:0.0/0

+ sign 683.856 $\pm$ 0.169 χ^2 /NDF: 963640.8/17

All: 639.247 $\pm$ 0.114 χ^2 /NDF: 2604264.9/37

- sign 601.135 $\pm$ 0.156 χ^2 /NDF: 1510836.7/19

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974 $\pm$ 2.746 χ^2/NDF : 11.6/15

Left Out: 1.515 $\pm$ 4.542 χ^2/NDF : 2.7/1

Right Out: 4.955 $\pm$ 2.653 χ^2/NDF : 18.5/18

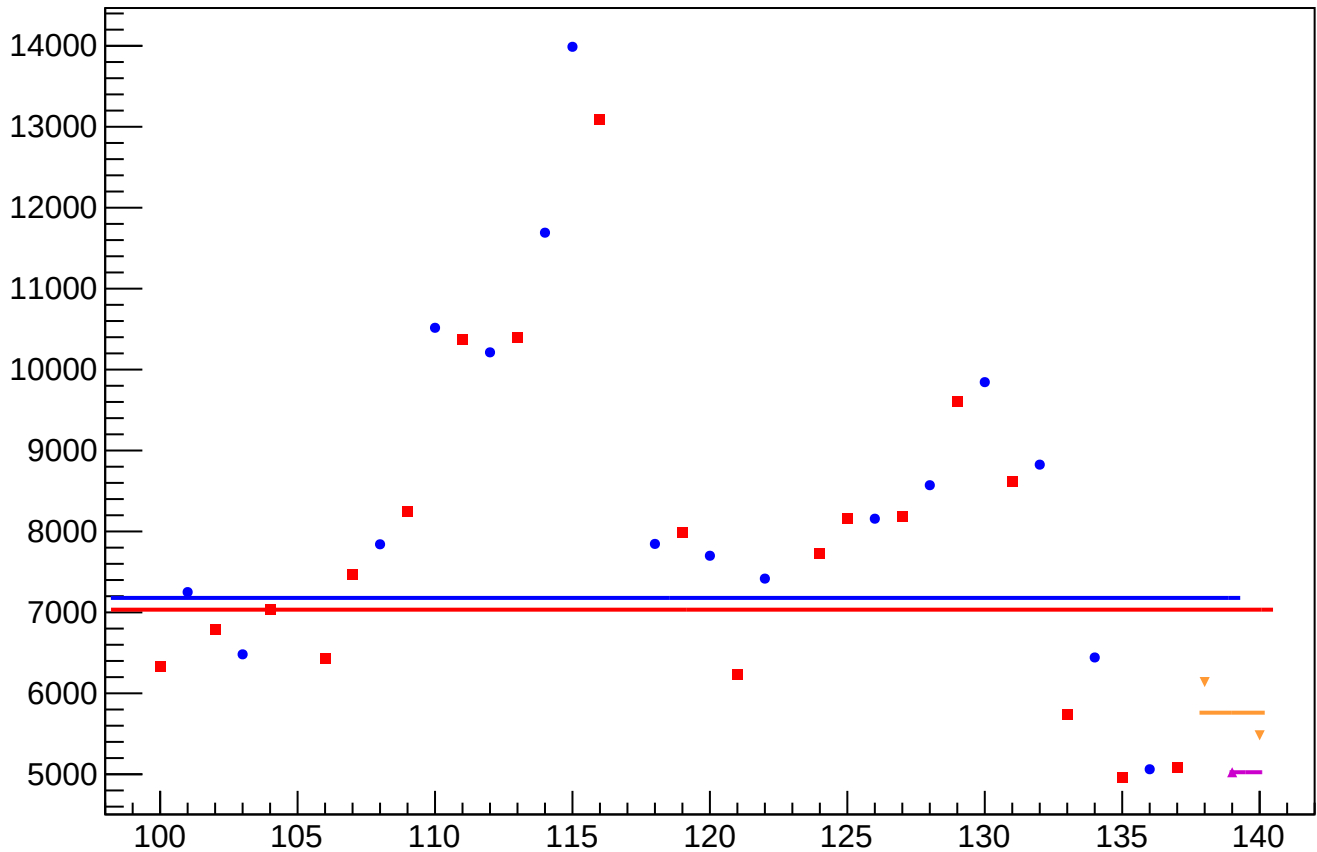
Left In: 8.006 $\pm$ 5.504 χ^2/NDF : 0.0/0

+ sign -1.772 $\pm$ 2.350 χ^2/NDF : 15.0/17

All: 1.818 $\pm$ 1.676 χ^2/NDF : 38.5/37

- sign 5.531 $\pm$ 2.390 χ^2/NDF : 18.7/19

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF : 761936.2/15

Left Out: 5760.838+/-3.212 χ^2/NDF : 10256.5/1

Right Out: 7033.538+/-1.876 χ^2/NDF : 766389.2/18

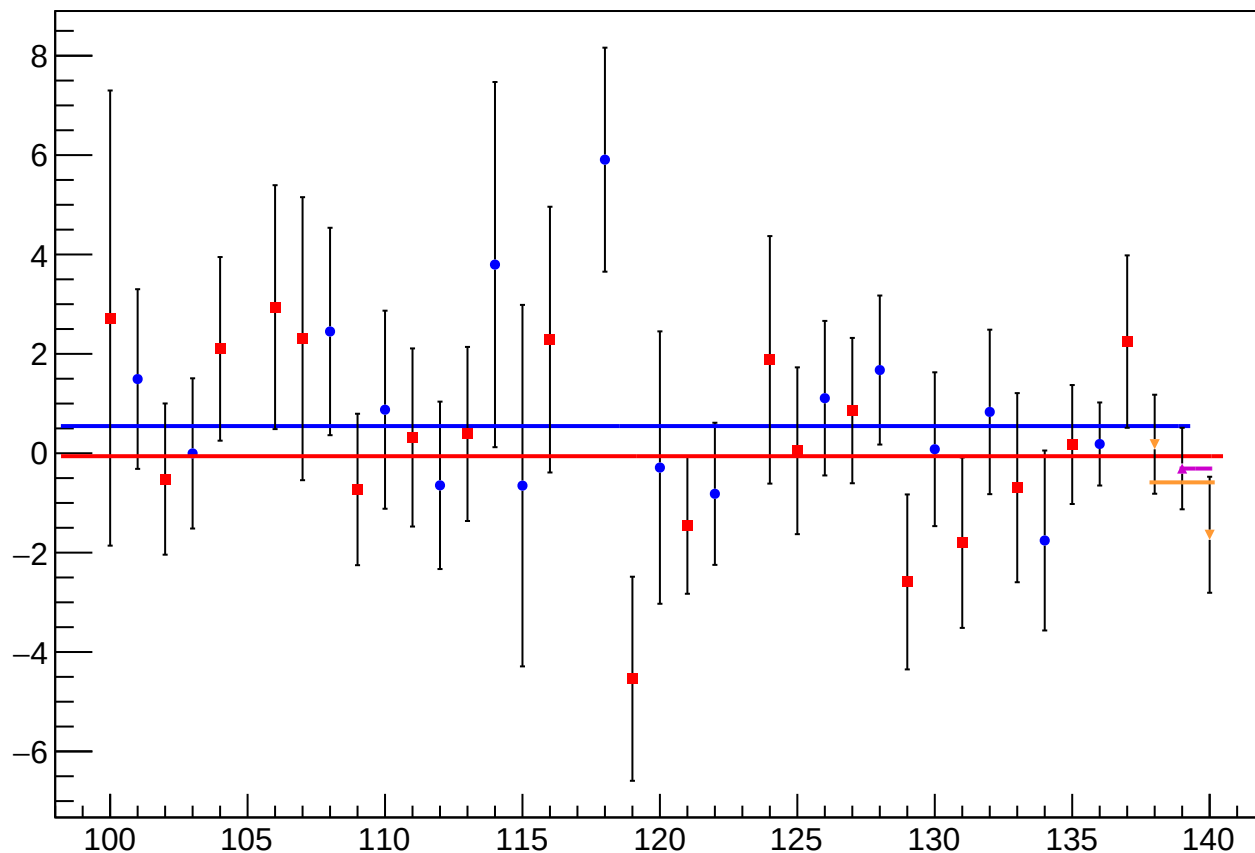
Left In: 5025.092+/-3.892 χ^2/NDF : 0.0/0

+ sign 6799.308+/-1.662 χ^2/NDF : 914971.0/17

All: 6728.306+/-1.185 χ^2/NDF : 1901157.5/37

- sign 6654.862+/-1.690 χ^2/NDF : 982472.0/19

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547 ± 0.411 χ^2/NDF : 11.9/15

Left Out: -0.586 ± 0.758 χ^2/NDF : 1.4/1

Right Out: -0.059 ± 0.409 χ^2/NDF : 16.9/18

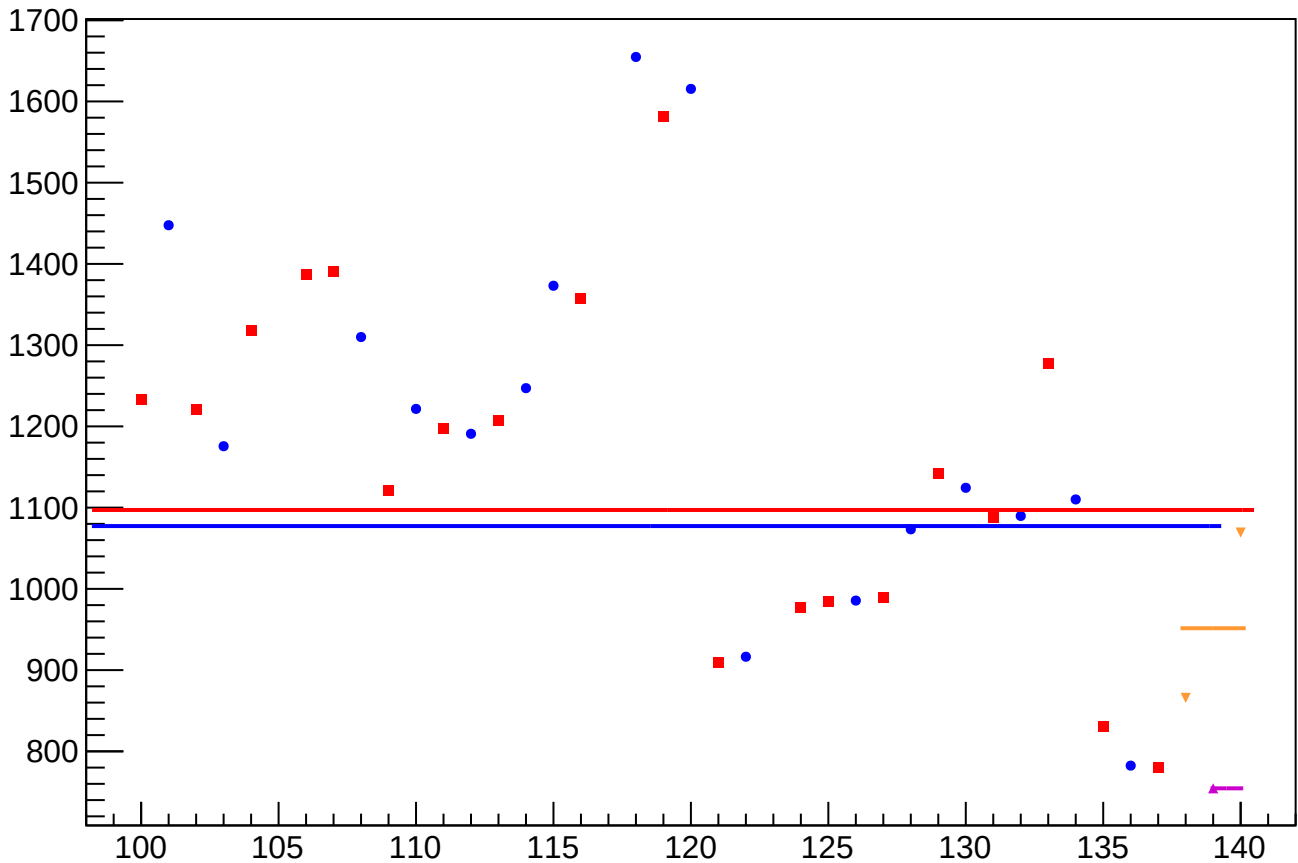
Left In: -0.308 ± 0.820 χ^2/NDF : 0.0/0

+ sign 0.290 ± 0.361 χ^2/NDF : 15.1/17

All: 0.093 ± 0.257 χ^2/NDF : 32.6/37

- sign -0.109 ± 0.366 χ^2/NDF : 16.9/19

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF : 646521.7/15

Left Out: 951.545+/-0.536 χ^2/NDF : 35170.1/1

+ sign 1048.735+/-0.255 χ^2/NDF : 724258.6/17

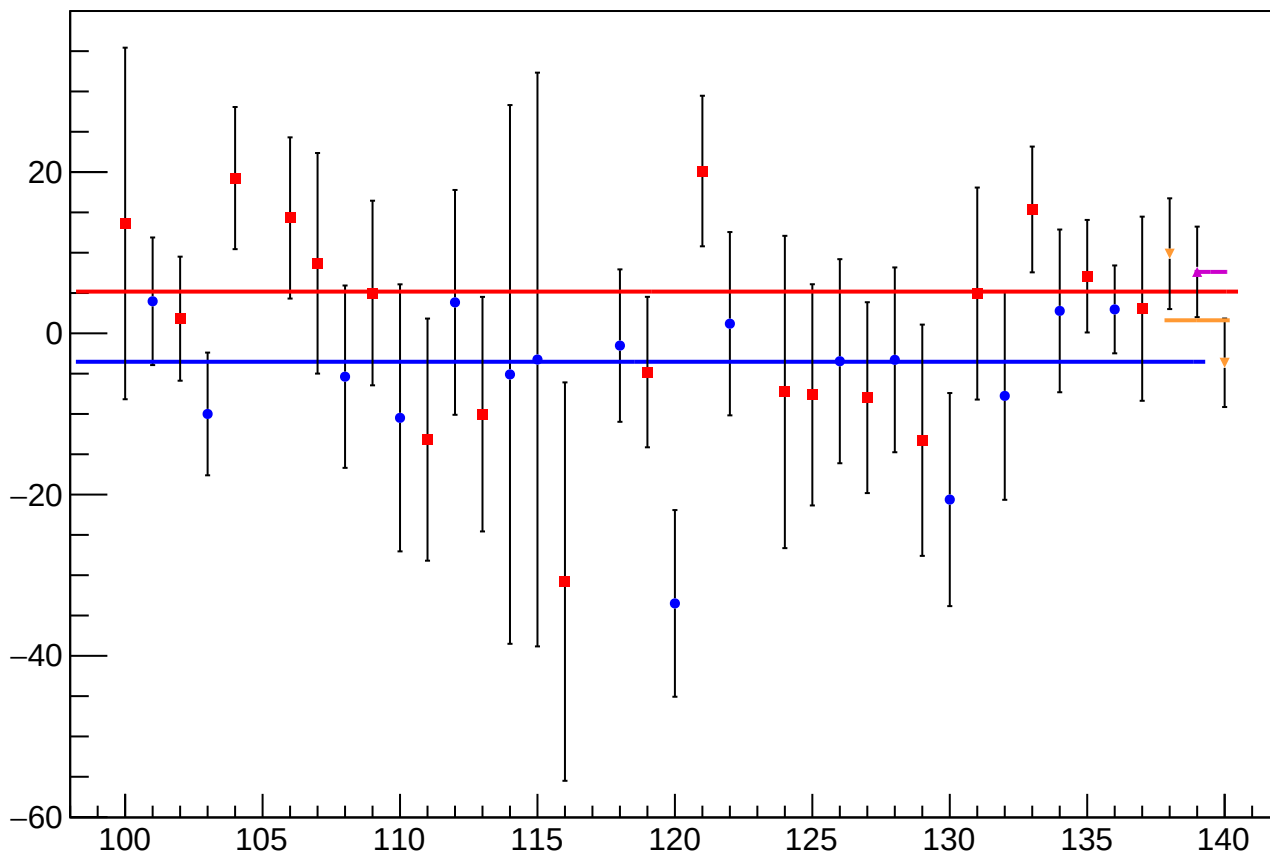
Right Out: 1097.108+/-0.289 χ^2/NDF : 484370.7/18

All: 1038.944+/-0.182 χ^2/NDF : 1491238.6/37

- sign 1028.896+/-0.259 χ^2/NDF : 764002.3/19

Left In: 754.481+/-0.580 χ^2/NDF : 0.0/0

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527 ± 2.608 χ^2/NDF : 12.6/15

Left Out: 1.618 ± 4.287 χ^2/NDF : 2.4/1

Right Out: 5.176 ± 2.508 χ^2/NDF : 18.2/18

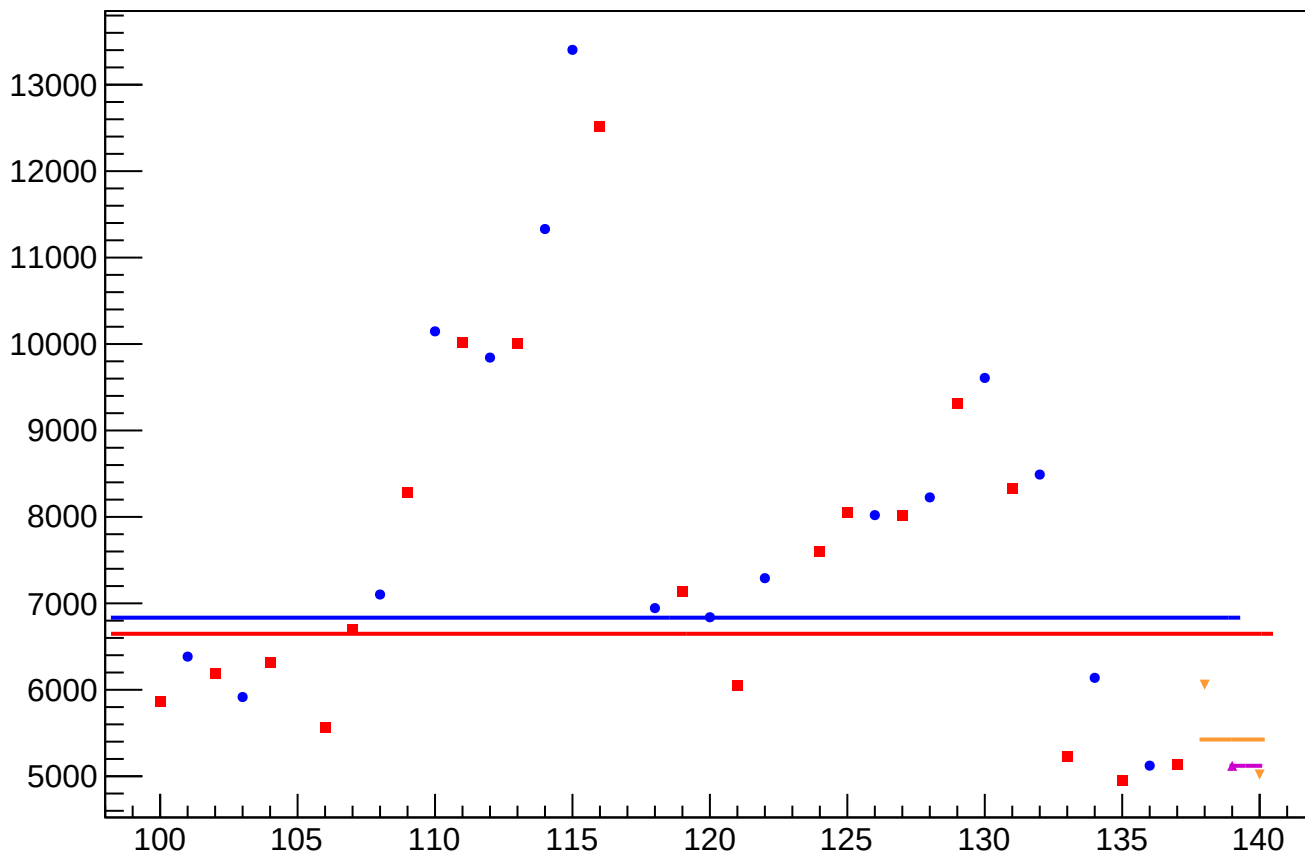
Left In: 7.620 ± 5.615 χ^2/NDF : 0.0/0

+ sign -2.137 ± 2.228 χ^2/NDF : 16.0/17

All: 1.617 ± 1.597 χ^2/NDF : 40.2/37

- sign 5.583 ± 2.290 χ^2/NDF : 18.4/19

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF : 692722.6/15

Left Out: 5424.624+/-3.032 χ^2/NDF : 27935.2/1

Right Out: 6647.996+/-1.773 χ^2/NDF : 785102.6/18

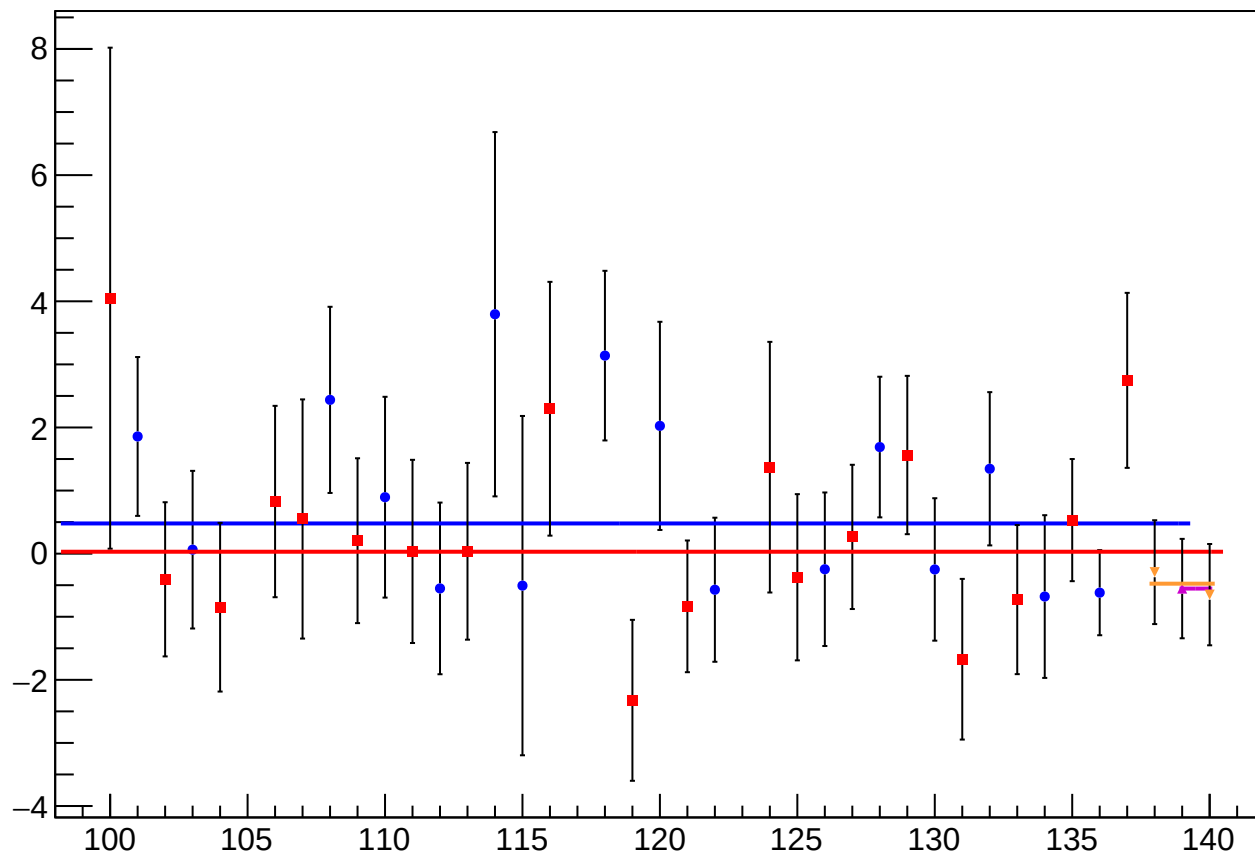
Left In: 5120.952+/-3.970 χ^2/NDF : 0.0/0

+ sign 6453.557+/-1.576 χ^2/NDF : 878485.0/17

All: 6424.603+/-1.129 χ^2/NDF : 1787600.8/37

- sign 6394.023+/-1.619 χ^2/NDF : 908421.5/19

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479 ± 0.311 χ^2/NDF : 16.7/15

Left Out: -0.476 ± 0.575 χ^2/NDF : 0.1/1

Right Out: 0.030 ± 0.309 χ^2/NDF : 15.7/18

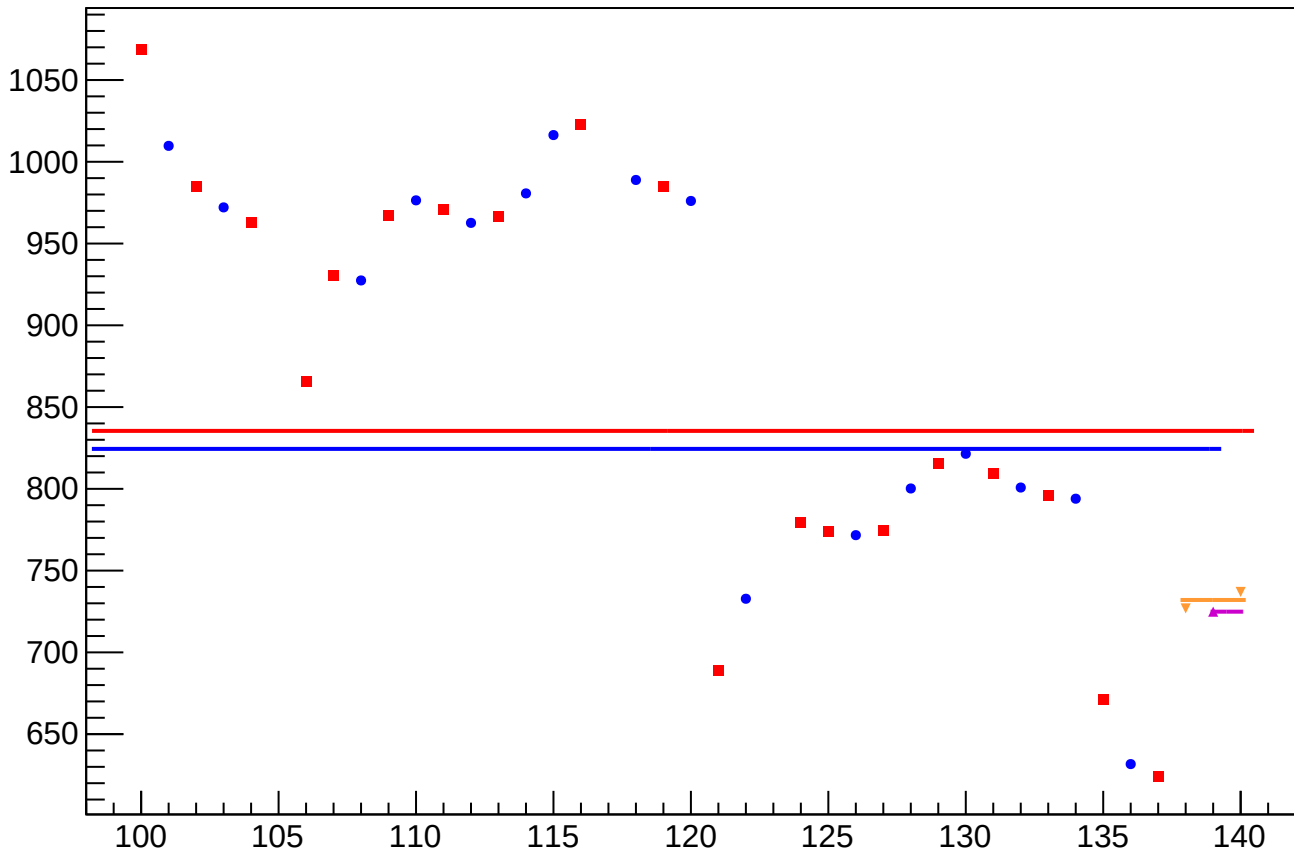
Left In: -0.554 ± 0.788 χ^2/NDF : 0.0/0

+ sign 0.263 ± 0.273 χ^2/NDF : 19.0/17

All: 0.115 ± 0.198 χ^2/NDF : 35.8/37

- sign -0.047 ± 0.287 χ^2/NDF : 16.2/19

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431 $\pm$ 0.220 χ^2 /NDF: 365461.7/15

Left Out: 732.047 $\pm$ 0.406 χ^2 /NDF:153.7/1

Right Out: 835.437 $\pm$ 0.218 χ^2 /NDF: 319302.1/18

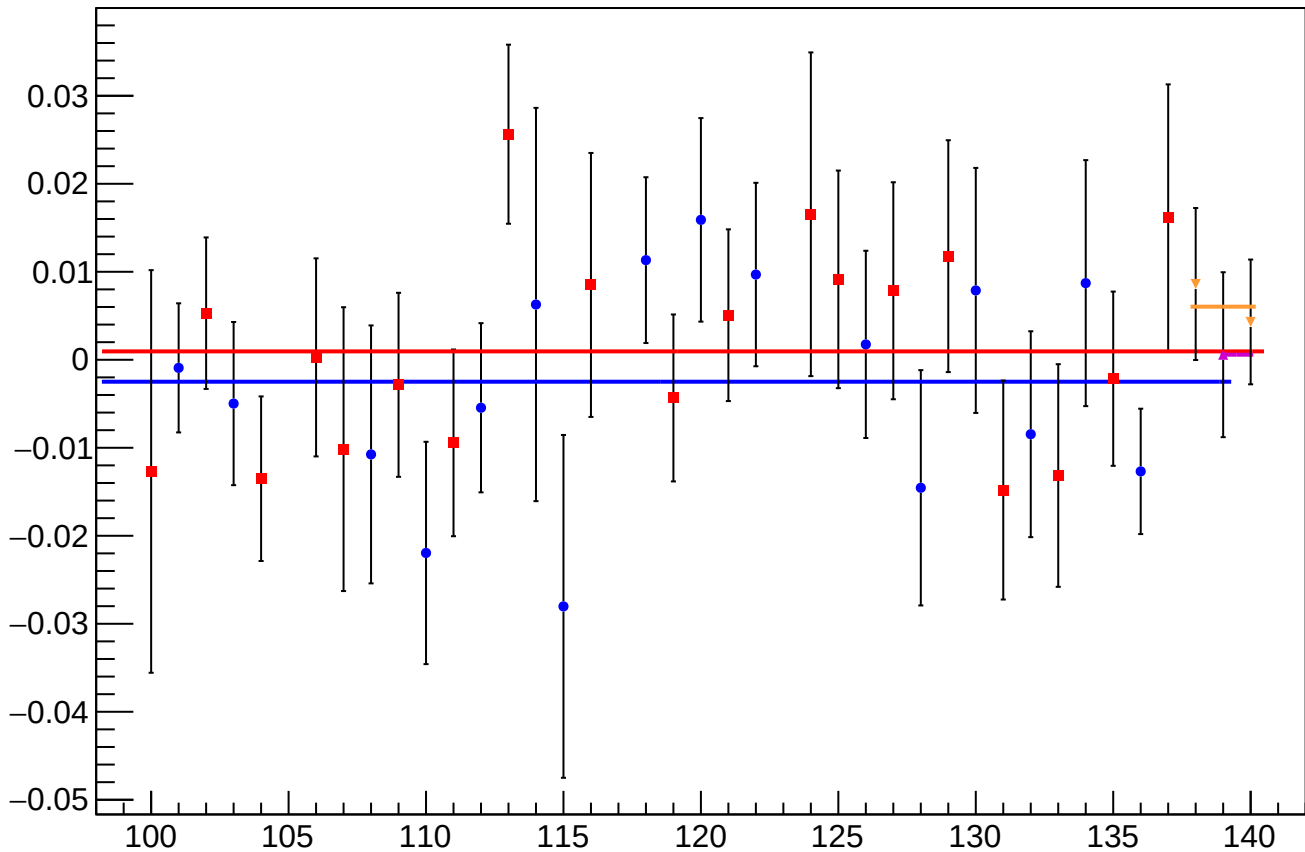
Left In: 724.886 $\pm$ 0.557 χ^2 /NDF:0.0/0

+ sign 803.526 $\pm$ 0.193 χ^2 /NDF: 405603.4/17

All: 811.704 $\pm$ 0.140 χ^2 /NDF: 762815.5/37

- sign 820.736 $\pm$ 0.203 χ^2 /NDF: 353445.6/19

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002 ± 0.003 χ^2/NDF : 15.3/15

Left Out: 0.006 ± 0.005 χ^2/NDF : 0.1/1

Right Out: 0.001 ± 0.003 χ^2/NDF : 17.3/18

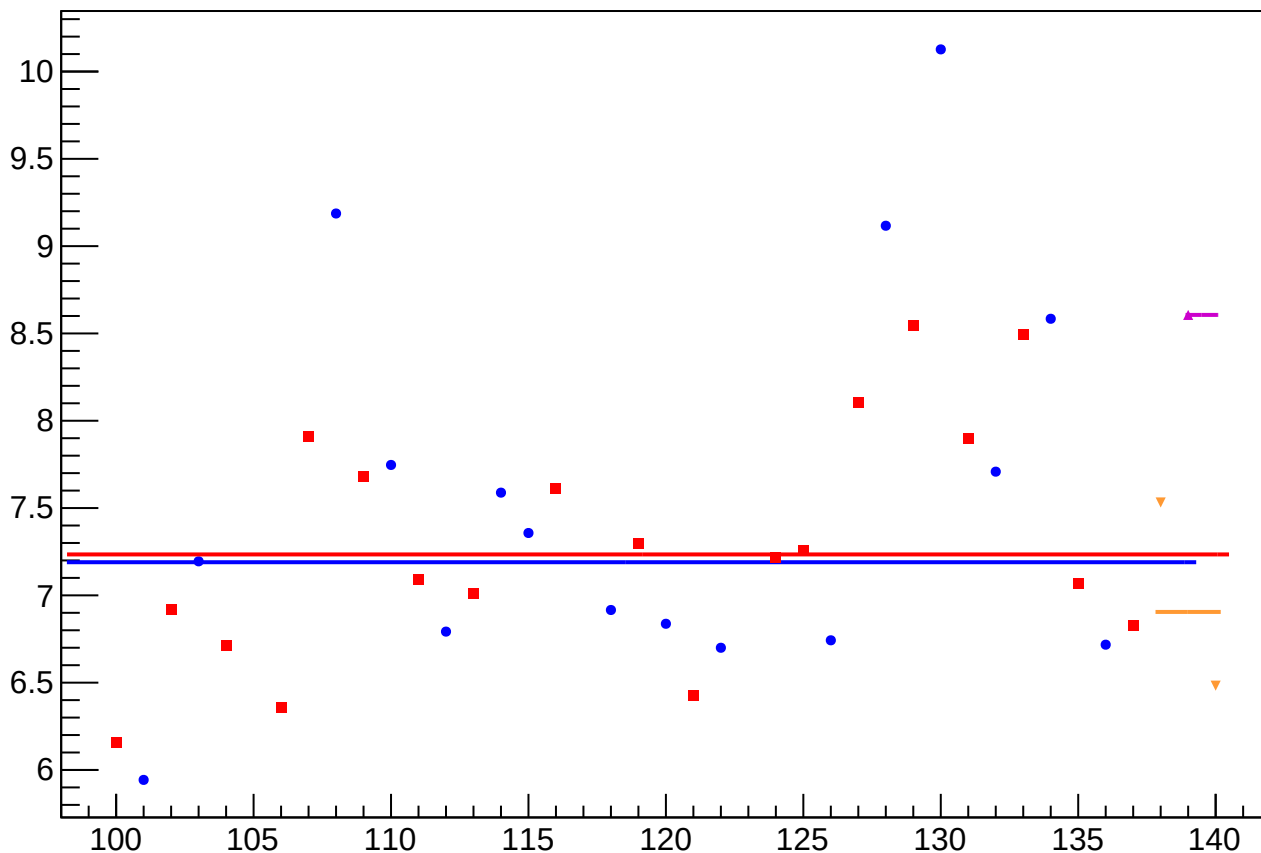
Left In: 0.001 ± 0.009 χ^2/NDF : 0.0/0

+ sign -0.001 ± 0.002 χ^2/NDF : 17.4/17

All: 0.000 ± 0.002 χ^2/NDF : 34.9/37

- sign 0.001 ± 0.003 χ^2/NDF : 17.3/19

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190 $\pm$ 0.002 χ^2 /NDF: 277639.9/15

Left Out: 6.905 $\pm$ 0.004 χ^2 /NDF: 17634.8/1

Right Out: 7.234 $\pm$ 0.002 χ^2 /NDF: 106266.0/18

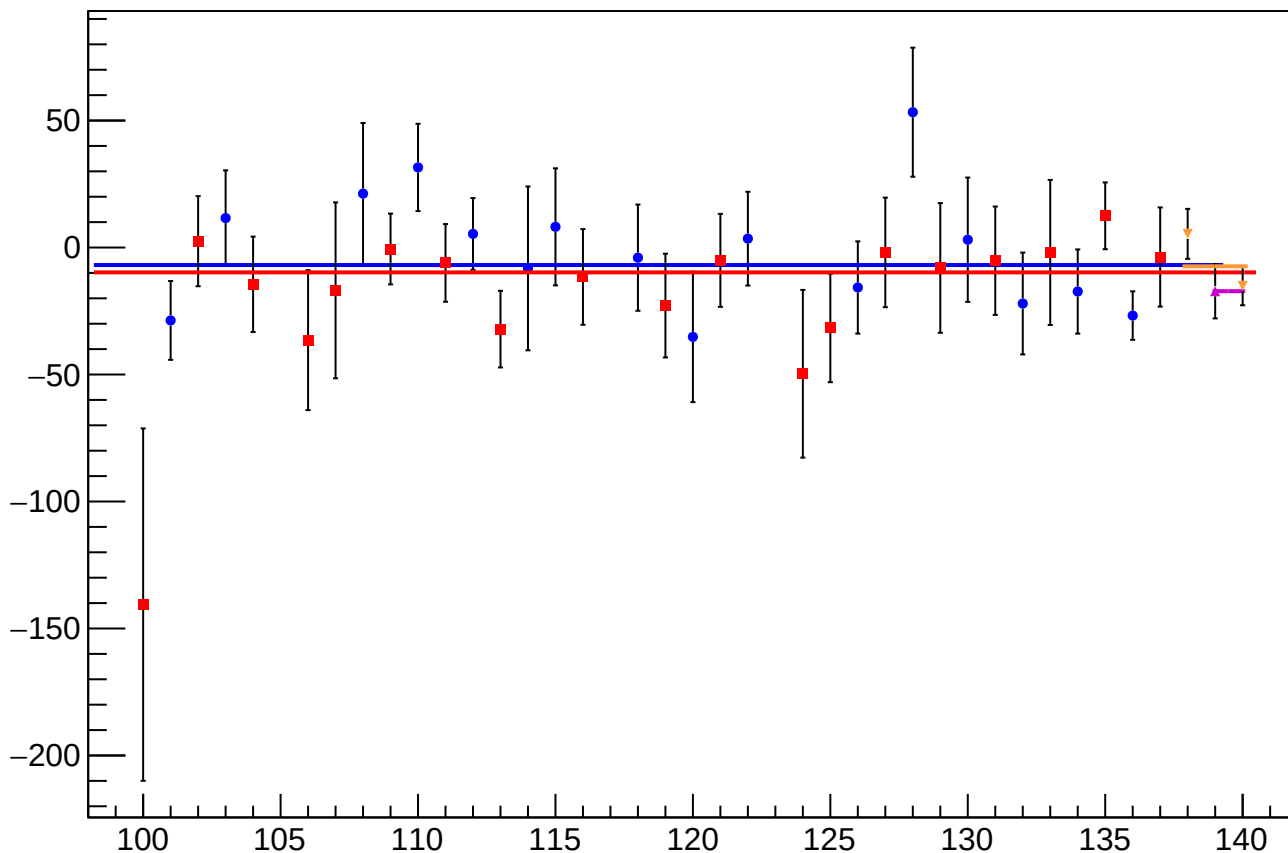
Left In: 8.606 $\pm$ 0.007 χ^2 /NDF: 0.0/0

+ sign 7.134 $\pm$ 0.002 χ^2 /NDF: 299614.0/17

All: 7.230 $\pm$ 0.001 χ^2 /NDF: 452143.5/37

- sign 7.337 $\pm$ 0.002 χ^2 /NDF: 145920.6/19

diff_targ_positionX_mean vs Slug



Right In: -6.891 $\pm$ 4.488 χ^2 /NDF: 23.0/15

Left Out: -7.398 $\pm$ 6.031 χ^2 /NDF: 2.7/1

Right Out: -9.790 $\pm$ 4.517 χ^2 /NDF: 14.0/18

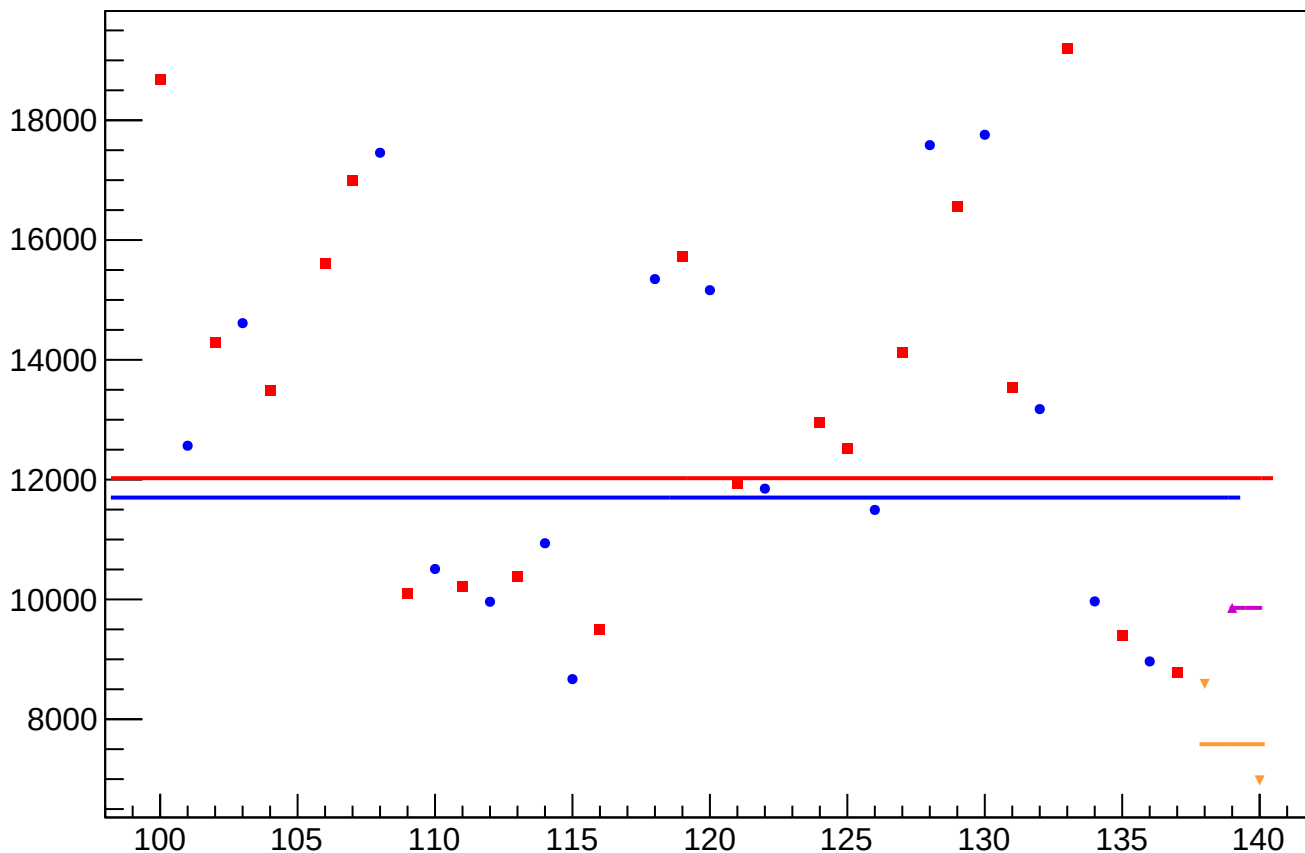
Left In: -17.185 $\pm$ 10.720 χ^2 /NDF: 0.0/0

+ sign -7.072 $\pm$ 3.601 χ^2 /NDF: 25.7/17

All: -8.712 $\pm$ 2.723 χ^2 /NDF: 40.6/37

- sign -10.905 $\pm$ 4.163 χ^2 /NDF: 14.4/19

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF : 740185.3/15

Left Out: 7583.421+/-4.265 χ^2/NDF :33518.1/1

Right Out: 12024.262+/-3.194 χ^2/NDF : 684788.9/18

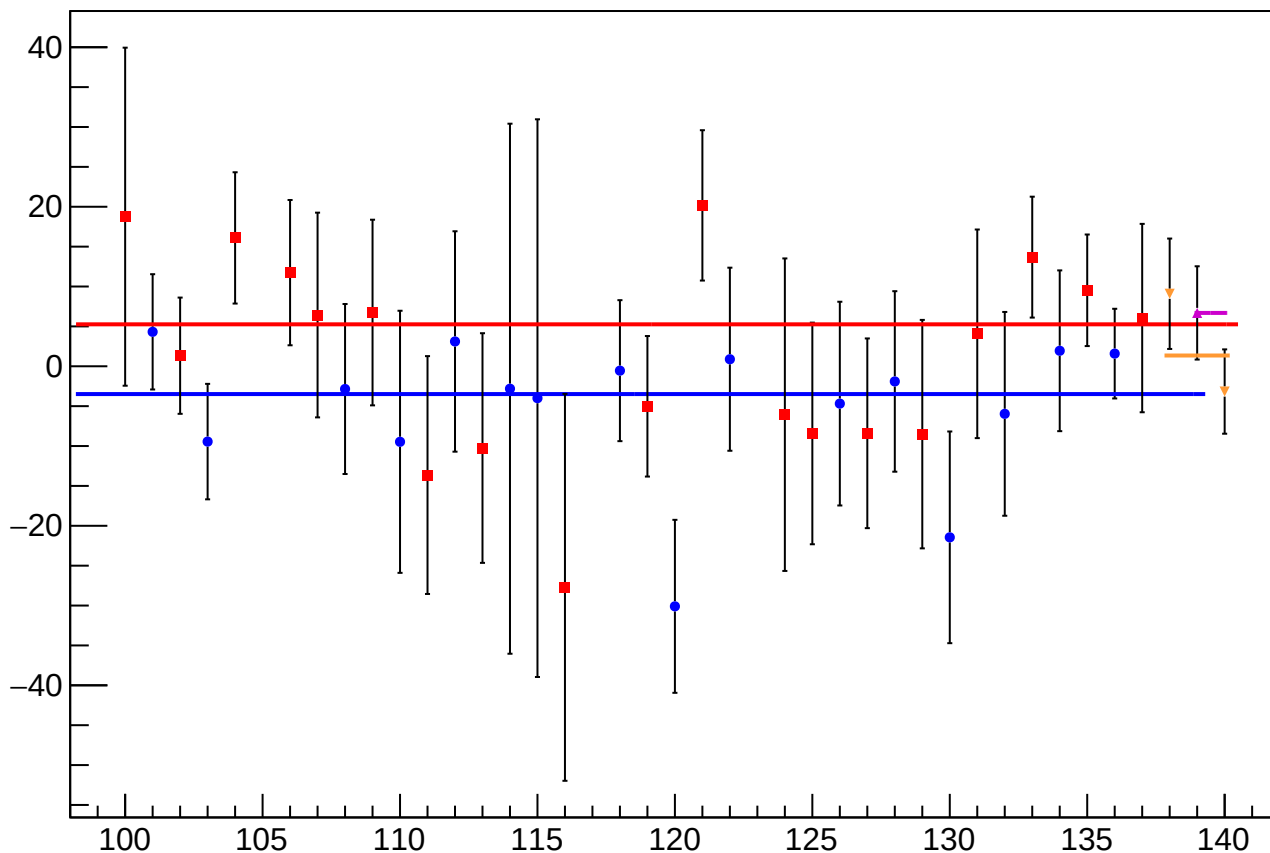
Left In: 9859.072+/-7.580 χ^2/NDF :0.0/0

+ sign 10233.211+/-2.546 χ^2/NDF : 1373510.9/17

All: 10859.997+/-1.926 χ^2/NDF : 2269188.5/3

- sign 11697.757+/-2.944 χ^2/NDF : 754074.9/19

diff_targ_positionY_mean vs Slug



Right In: -3.485 ± 2.550 χ^2/NDF : 11.5/15

Left Out: 1.350 ± 4.201 χ^2/NDF : 2.0/1

Right Out: 5.259 ± 2.446 χ^2/NDF : 16.6/18

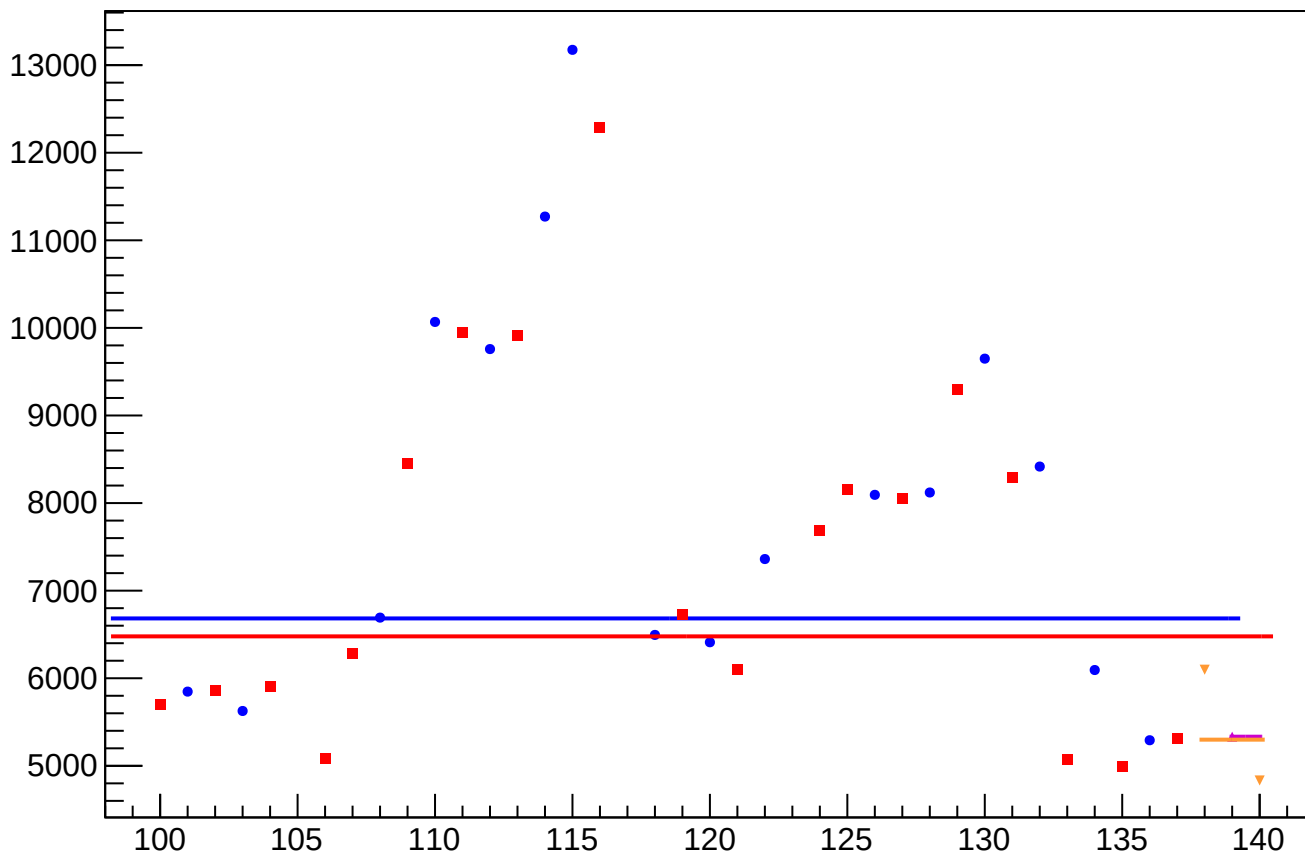
Left In: 6.689 ± 5.848 χ^2/NDF : 0.0/0

+ sign -2.184 ± 2.180 χ^2/NDF : 14.4/17

All: 1.511 ± 1.568 χ^2/NDF : 37.1/37

- sign 5.472 ± 2.257 χ^2/NDF : 16.7/19

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF : 692200.2/15

Left Out: 5298.948+/-2.971 χ^2/NDF : 42166.2/1

Right Out: 6478.126+/-1.730 χ^2/NDF : 839226.8/18

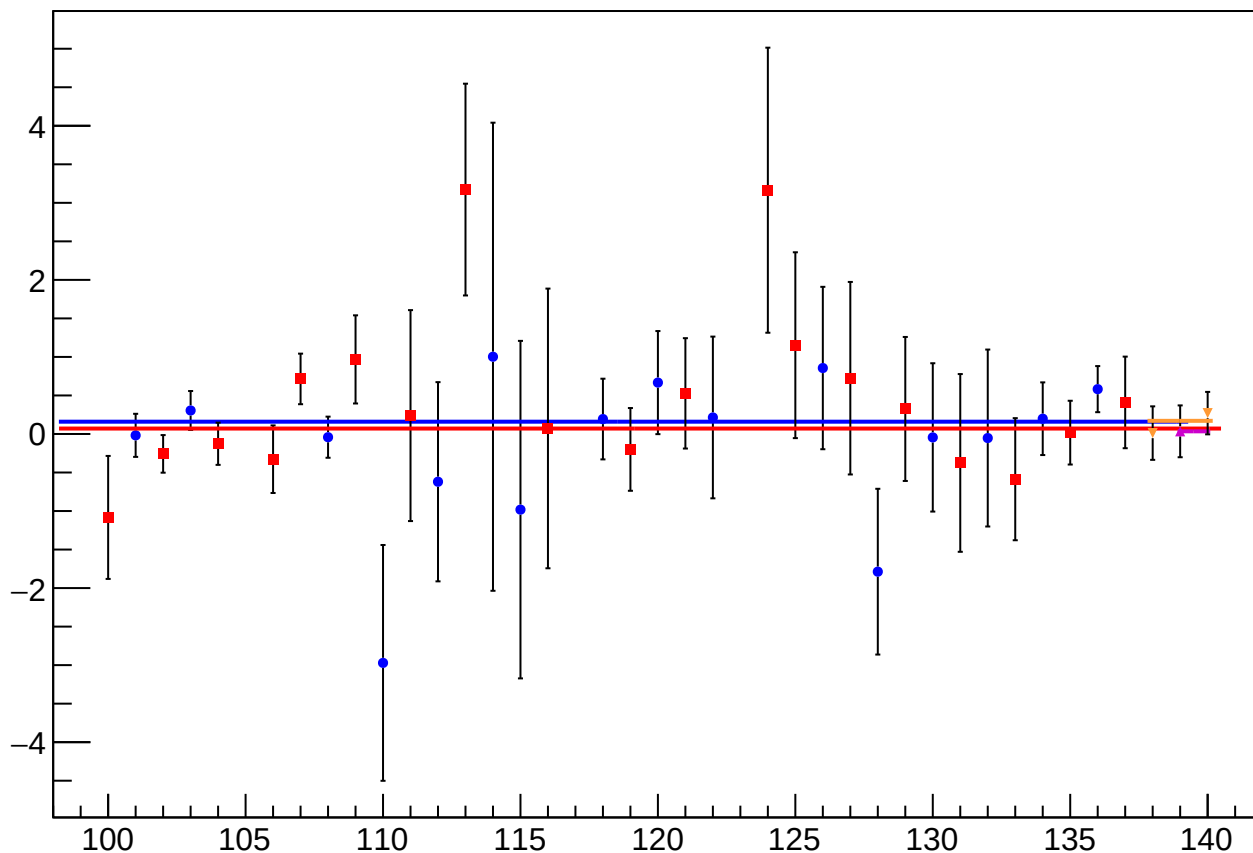
Left In: 5332.682+/-4.135 χ^2/NDF : 0.0/0

+ sign 6310.429+/-1.541 χ^2/NDF : 893008.0/17

All: 6309.042+/-1.109 χ^2/NDF : 1797531.3/37

- sign 6307.555+/-1.596 χ^2/NDF : 904521.6/19

diff_targ_thetaX_mean vs Slug



Right In: 0.160 $\pm$ 0.120 χ^2 /NDF: 12.6/15

Left Out: 0.171 $\pm$ 0.216 χ^2 /NDF: 0.3/1

Right Out: 0.070 $\pm$ 0.120 χ^2 /NDF: 22.5/18

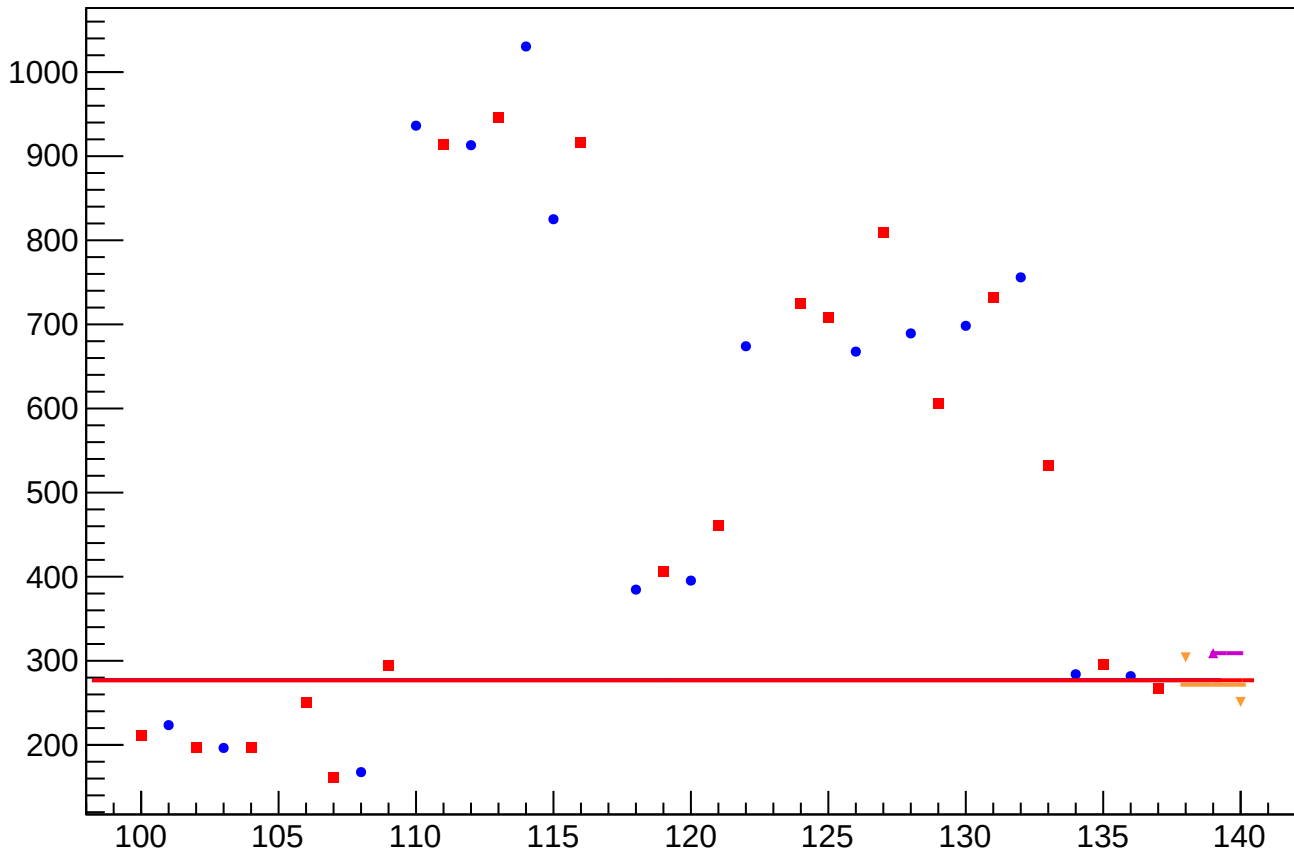
Left In: 0.034 $\pm$ 0.336 χ^2 /NDF: 0.0/0

+ sign 0.162 $\pm$ 0.105 χ^2 /NDF: 12.9/17

All: 0.118 $\pm$ 0.077 χ^2 /NDF: 35.8/37

- sign 0.066 $\pm$ 0.113 χ^2 /NDF: 22.5/19

diff_targ_thetaX_rms vs Slug



Right In: 277.017 $\pm$ 0.085 χ^2 /NDF: 3450533.8/15

Left Out: 271.566 $\pm$ 0.153 χ^2 /NDF:28548.5/1

Right Out: 276.866 $\pm$ 0.085 χ^2 /NDF: 3571620.7/18

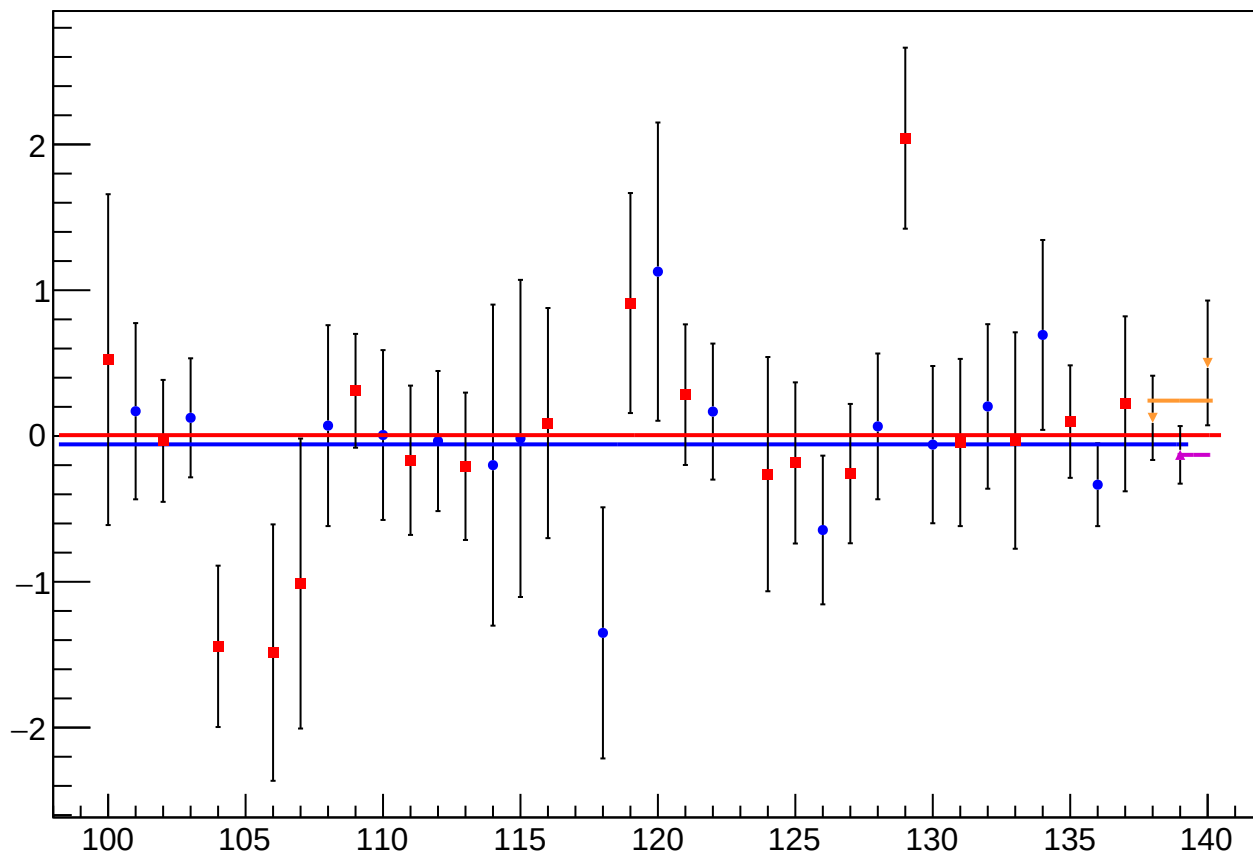
Left In: 309.078 $\pm$ 0.238 χ^2 /NDF:0.0/0

+ sign 275.737 $\pm$ 0.074 χ^2 /NDF: 3480058.7/17

All: 277.933 $\pm$ 0.054 χ^2 /NDF: 7069862.6/37

- sign 280.486 $\pm$ 0.080 χ^2 /NDF: 3587896.8/19

diff_targ_thetaY_mean vs Slug



Right In: -0.057 ± 0.134 χ^2/NDF : 8.1/15

Left Out: 0.243 ± 0.239 χ^2/NDF : 0.5/1

Right Out: 0.006 ± 0.129 χ^2/NDF : 25.2/18

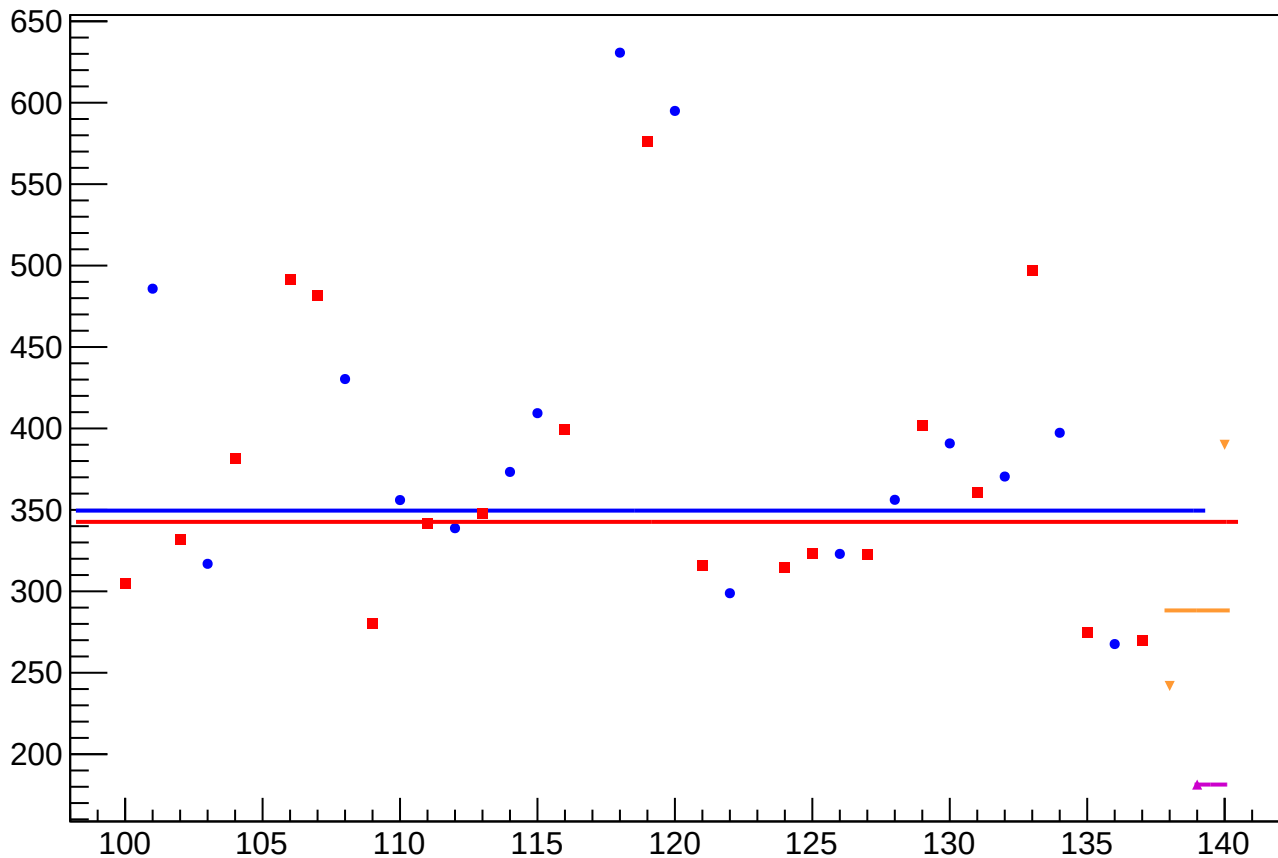
Left In: -0.129 ± 0.198 χ^2/NDF : 0.0/0

+ sign 0.014 ± 0.117 χ^2/NDF : 9.8/17

All: -0.012 ± 0.079 χ^2/NDF : 35.4/37

- sign -0.034 ± 0.108 χ^2/NDF : 25.5/19

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF : 699303.9/15

Left Out: 288.270+/-0.169 χ^2/NDF : 164492.0/1

Right Out: 342.641+/-0.091 χ^2/NDF : 575759.9/18

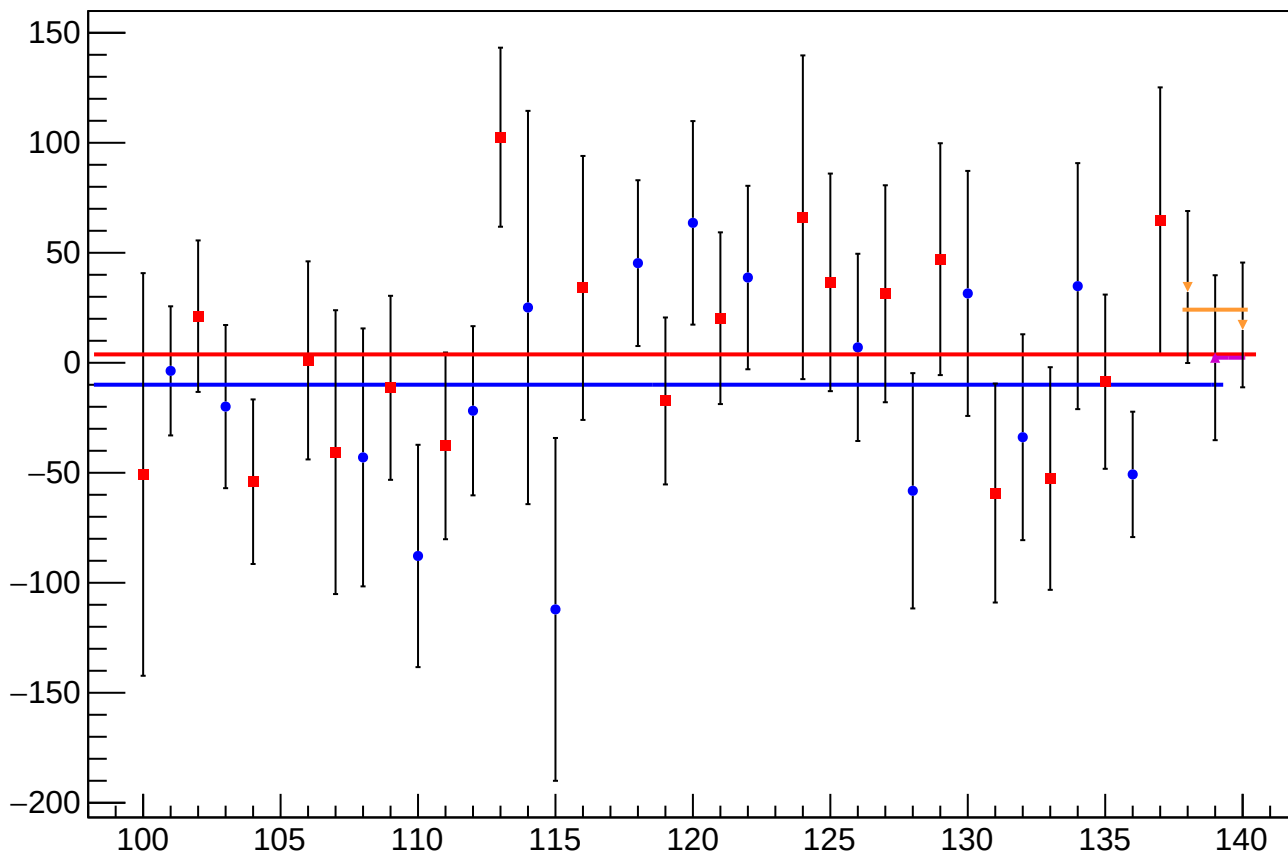
Left In: 181.351+/-0.140 χ^2/NDF : 0.0/0

+ sign 334.977+/-0.083 χ^2/NDF : 963640.8/17

All: 313.126+/-0.056 χ^2/NDF : 2604264.9/37

- sign 294.458+/-0.076 χ^2/NDF : 1510836.7/19

diff_bpmE_mean vs Slug



Right In: -9.969 $\pm$ 10.836 χ^2 /NDF: 15.3/15

Left Out: 24.144 $\pm$ 21.917 χ^2 /NDF: 0.1/1

Right Out: 3.814 $\pm$ 10.636 χ^2 /NDF: 17.3/18

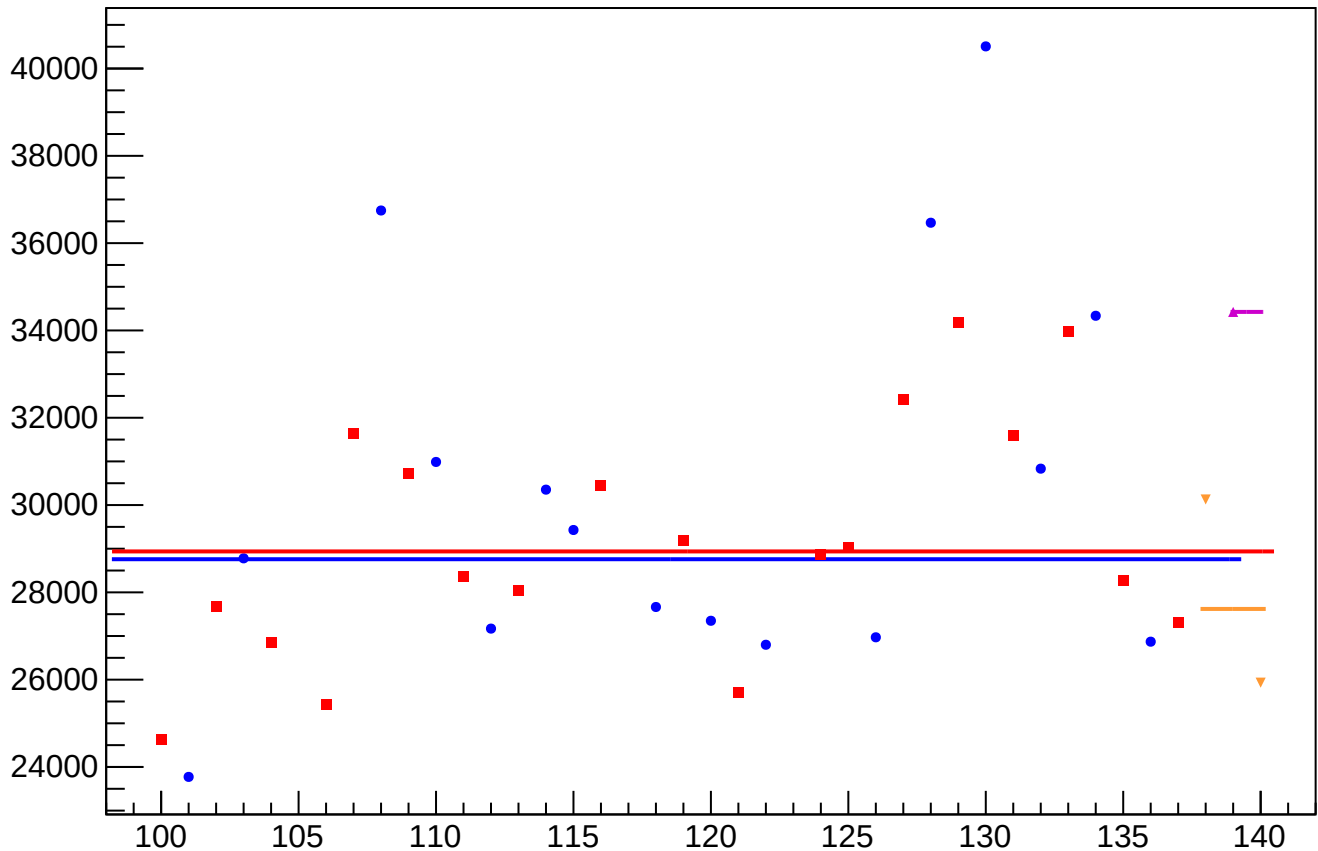
Left In: 2.307 $\pm$ 37.488 χ^2 /NDF: 0.0/0

+ sign -3.268 $\pm$ 9.714 χ^2 /NDF: 17.4/17

All: 0.036 $\pm$ 7.045 χ^2 /NDF: 34.9/37

- sign 3.701 $\pm$ 10.232 χ^2 /NDF: 17.3/19

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF : 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF : 17634.8/1

+ sign 28535.382+/-6.869 χ^2/NDF : 299614.0/17

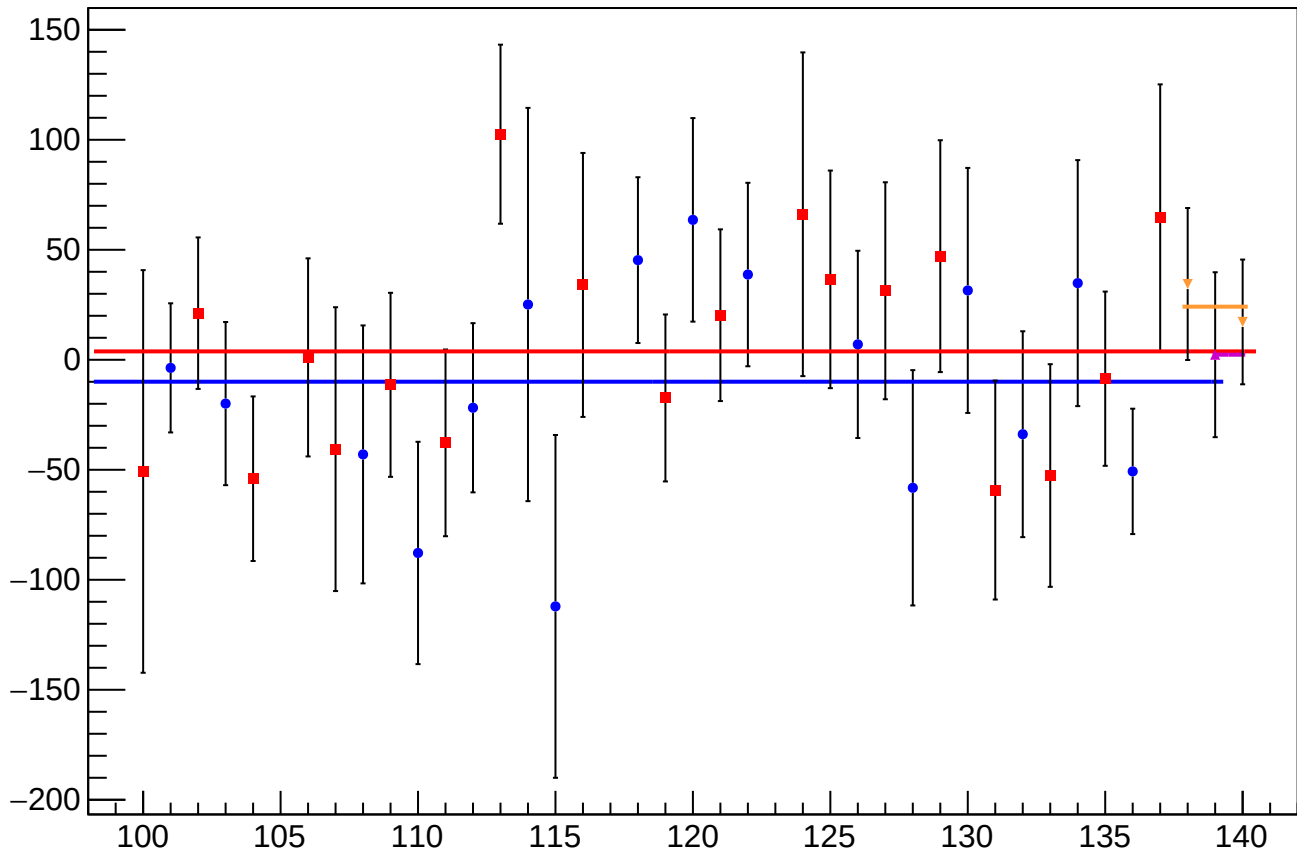
Right Out: 28937.633+/-7.521 χ^2/NDF : 106266.0/18

All: 28919.835+/-4.981 χ^2/NDF : 452143.5/37

- sign 29346.426+/-7.235 χ^2/NDF : 145920.6/19

Left In: 34424.624+/-26.508 χ^2/NDF : 0.0/0

diff_bpmEX_mean vs Slug



Right In: -9.969 $\pm$ 10.836 χ^2 /NDF: 15.3/15

Left Out: 24.144 $\pm$ 21.917 χ^2 /NDF: 0.1/1

Right Out: 3.814 $\pm$ 10.636 χ^2 /NDF: 17.3/18

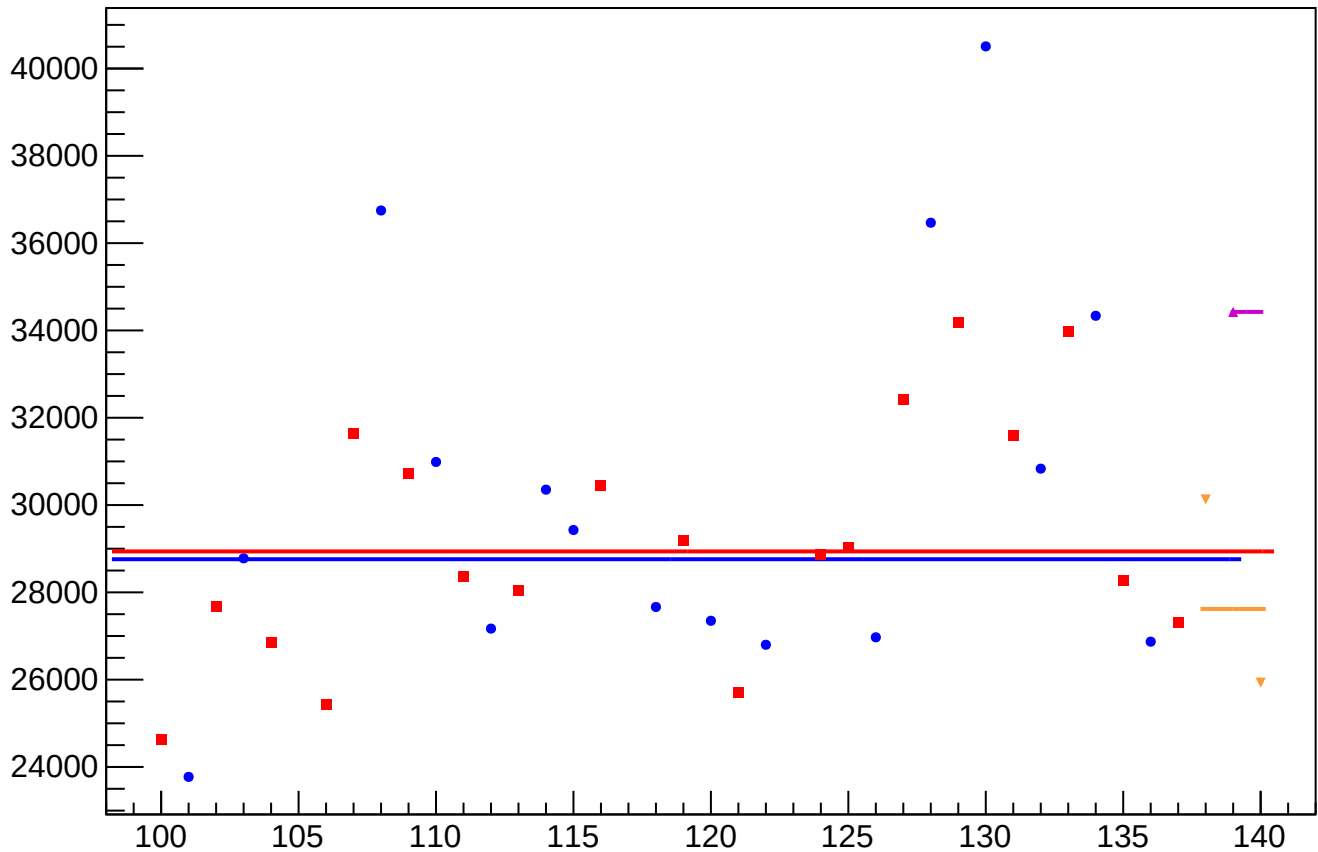
Left In: 2.307 $\pm$ 37.488 χ^2 /NDF: 0.0/0

+ sign -3.268 $\pm$ 9.714 χ^2 /NDF: 17.4/17

All: 0.036 $\pm$ 7.045 χ^2 /NDF: 34.9/37

- sign 3.701 $\pm$ 10.232 χ^2 /NDF: 17.3/19

diff_bpmEX_rms vs Slug



Right In: 28759.090 $\pm$ 7.662 χ^2 /NDF: 277639.9/15

Left Out: 27620.247 $\pm$ 15.498 χ^2 /NDF:17634.8/1

Right Out: 28937.633 $\pm$ 7.521 χ^2 /NDF: 106266.0/18

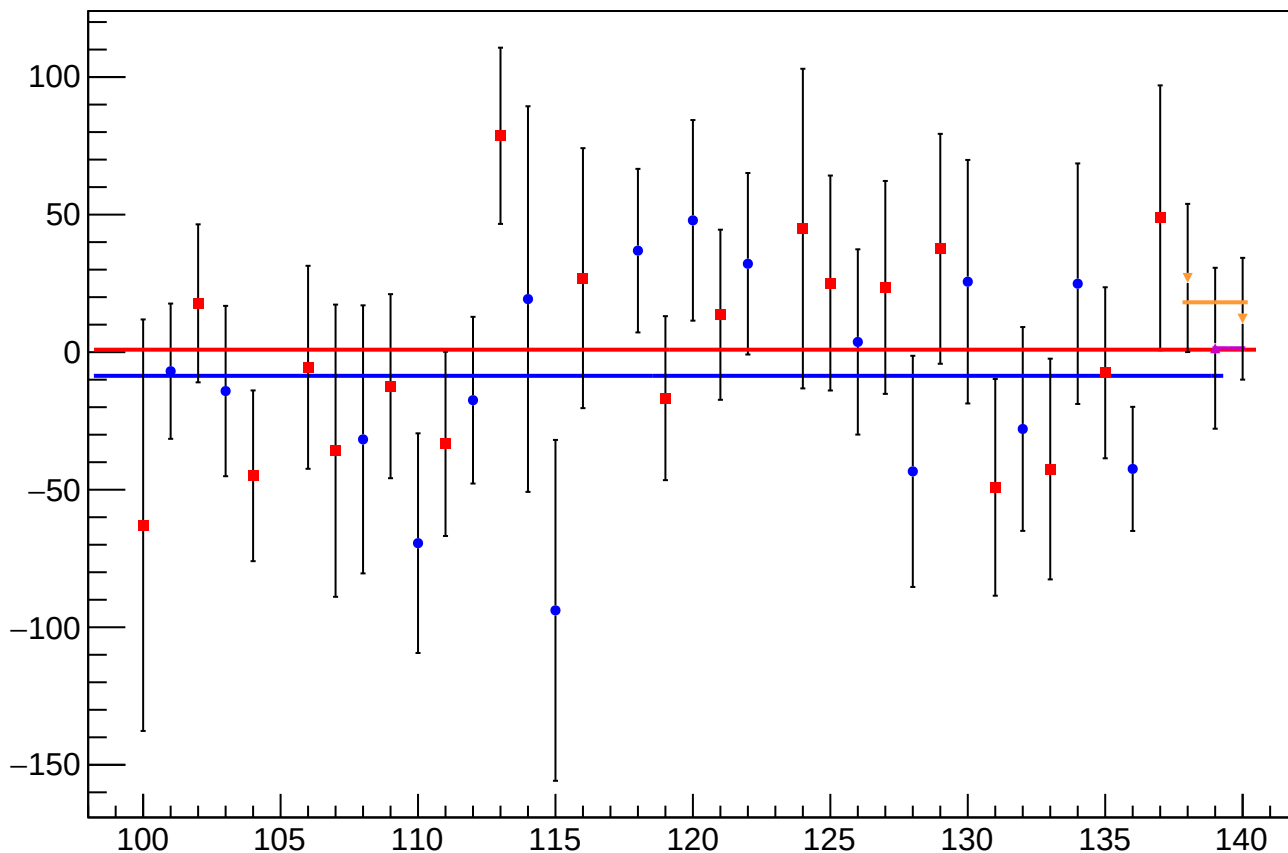
Left In: 34424.624 $\pm$ 26.508 χ^2 /NDF:0.0/0

+ sign 28535.382 $\pm$ 6.869 χ^2 /NDF: 299614.0/17

All: 28919.835 $\pm$ 4.981 χ^2 /NDF: 452143.5/37

- sign 29346.426 $\pm$ 7.235 χ^2 /NDF: 145920.6/19

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599 ± 8.678 χ^2/NDF : 15.5/15

Left Out: 18.127 ± 17.100 χ^2/NDF : 0.2/1

Right Out: 0.904 ± 8.506 χ^2/NDF : 17.6/18

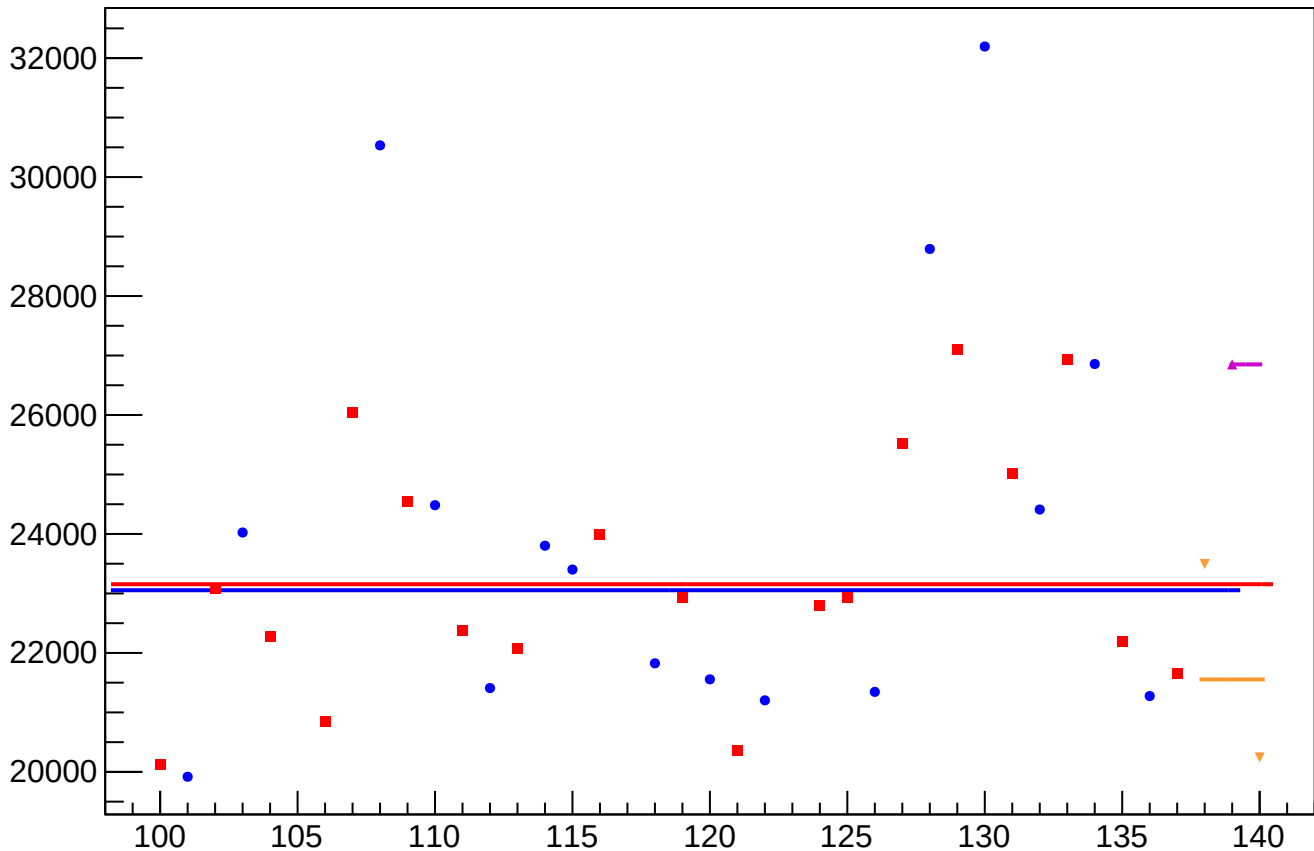
Left In: 1.426 ± 29.250 χ^2/NDF : 0.0/0

+ sign -3.125 ± 7.739 χ^2/NDF : 17.6/17

All: -1.200 ± 5.618 χ^2/NDF : 35.4/37

- sign 0.945 ± 8.168 χ^2/NDF : 17.6/19

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910 $\pm$ 6.137 χ^2 /NDF: 261444.9/15

Left Out: 21554.442 $\pm$ 12.091 χ^2 /NDF:17405.3/1

Right Out: 23155.251 $\pm$ 6.015 χ^2 /NDF: 93894.1/18

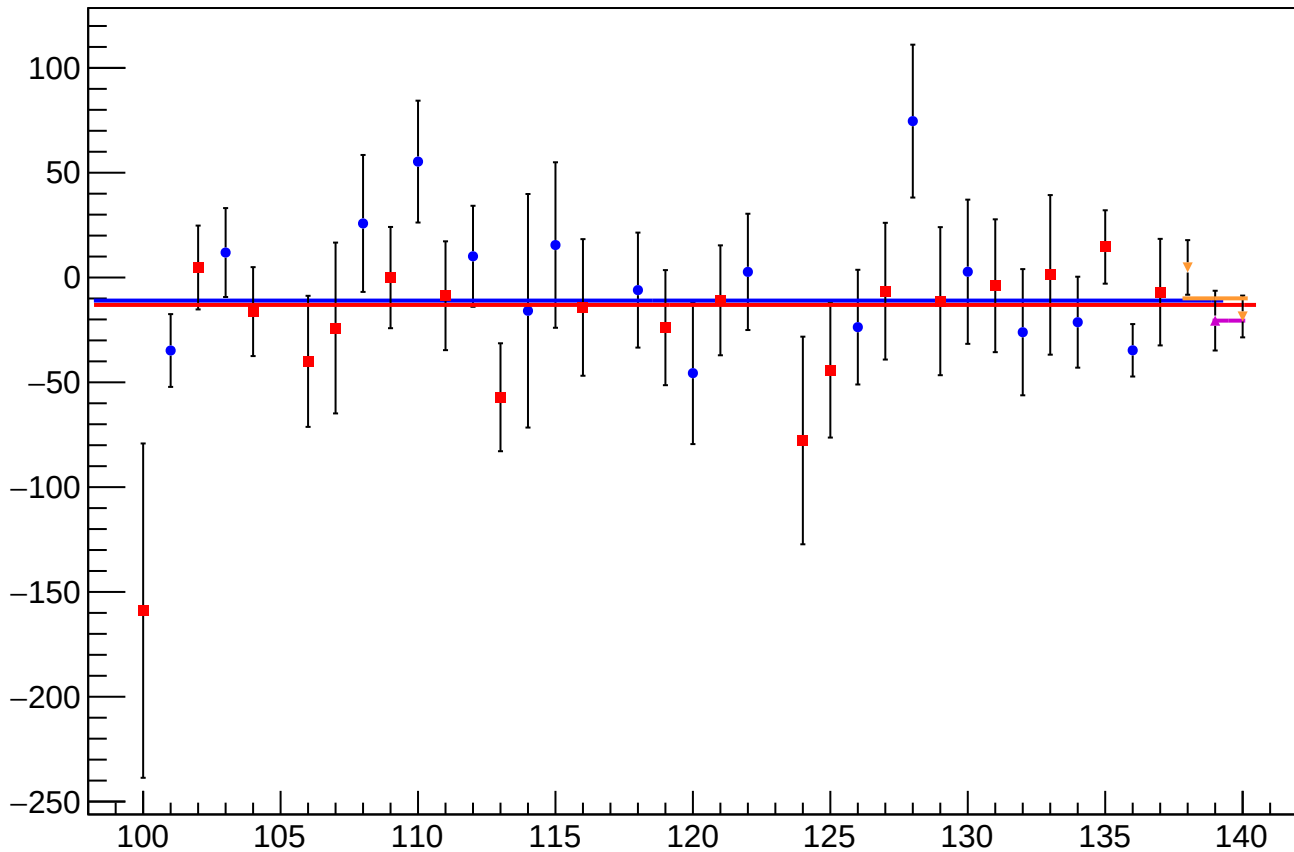
Left In: 26850.494 $\pm$ 20.683 χ^2 /NDF:0.0/0

+ sign 22746.791 $\pm$ 5.472 χ^2 /NDF: 291079.2/17

All: 23076.316 $\pm$ 3.972 χ^2 /NDF: 422069.2/37

- sign 23443.362 $\pm$ 5.775 χ^2 /NDF: 123324.6/19

diff_bpm4aesumX_mean vs Slug



Right In: -11.002 ± 6.155 χ^2/NDF : 22.0/15

Left Out: -9.944 ± 7.916 χ^2/NDF : 2.0/1

Right Out: -13.071 ± 6.382 χ^2/NDF : 13.9/18

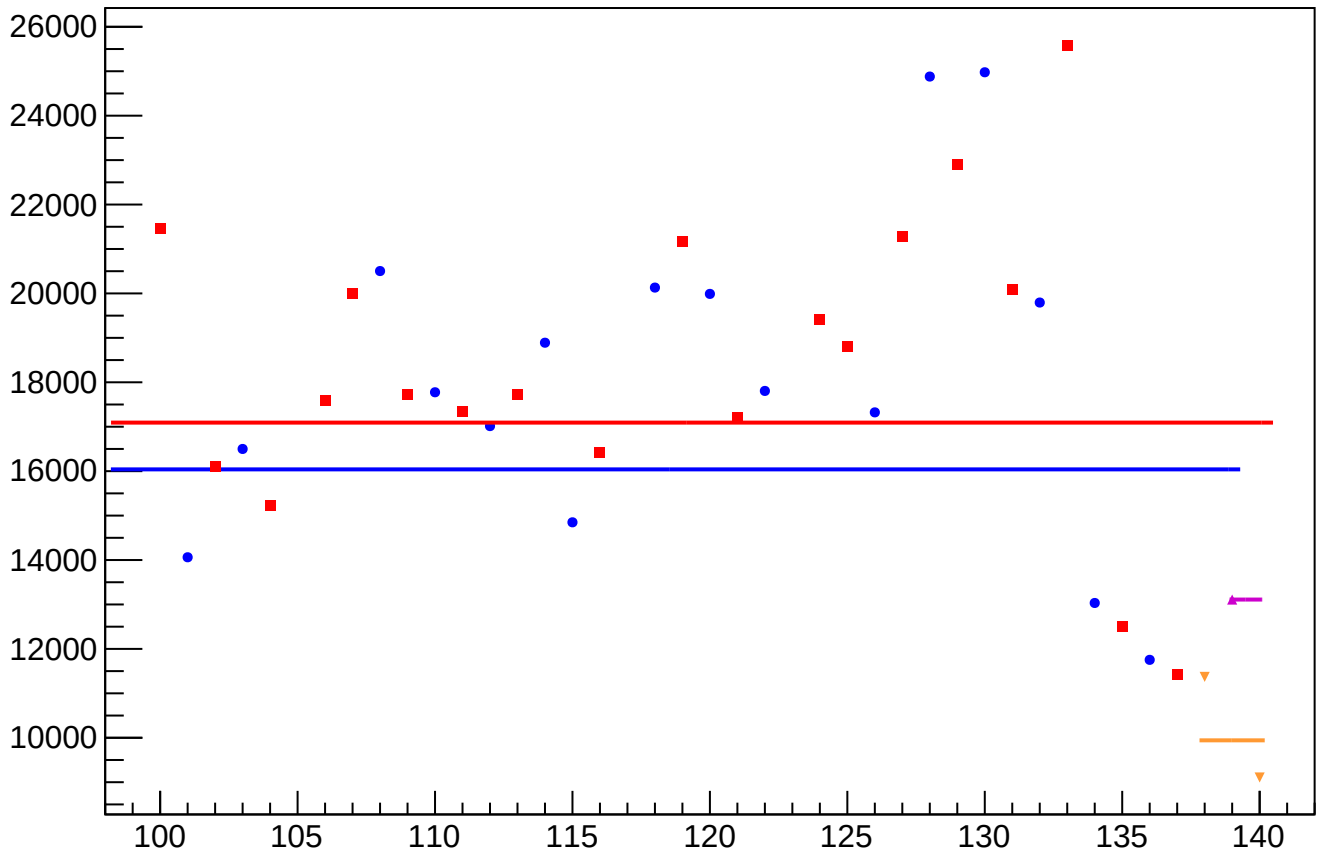
Left In: -20.565 ± 14.255 χ^2/NDF : 0.0/0

+ sign -10.603 ± 4.859 χ^2/NDF : 24.1/17

All: -12.129 ± 3.731 χ^2/NDF : 38.4/37

- sign -14.322 ± 5.825 χ^2/NDF : 14.1/19

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060 $\pm$ 4.352 χ^2 /NDF: 722678.9/15

Left Out: 9942.132 $\pm$ 5.598 χ^2 /NDF:38094.0/1

Right Out: 17092.658 $\pm$ 4.513 χ^2 /NDF: 535464.0/18

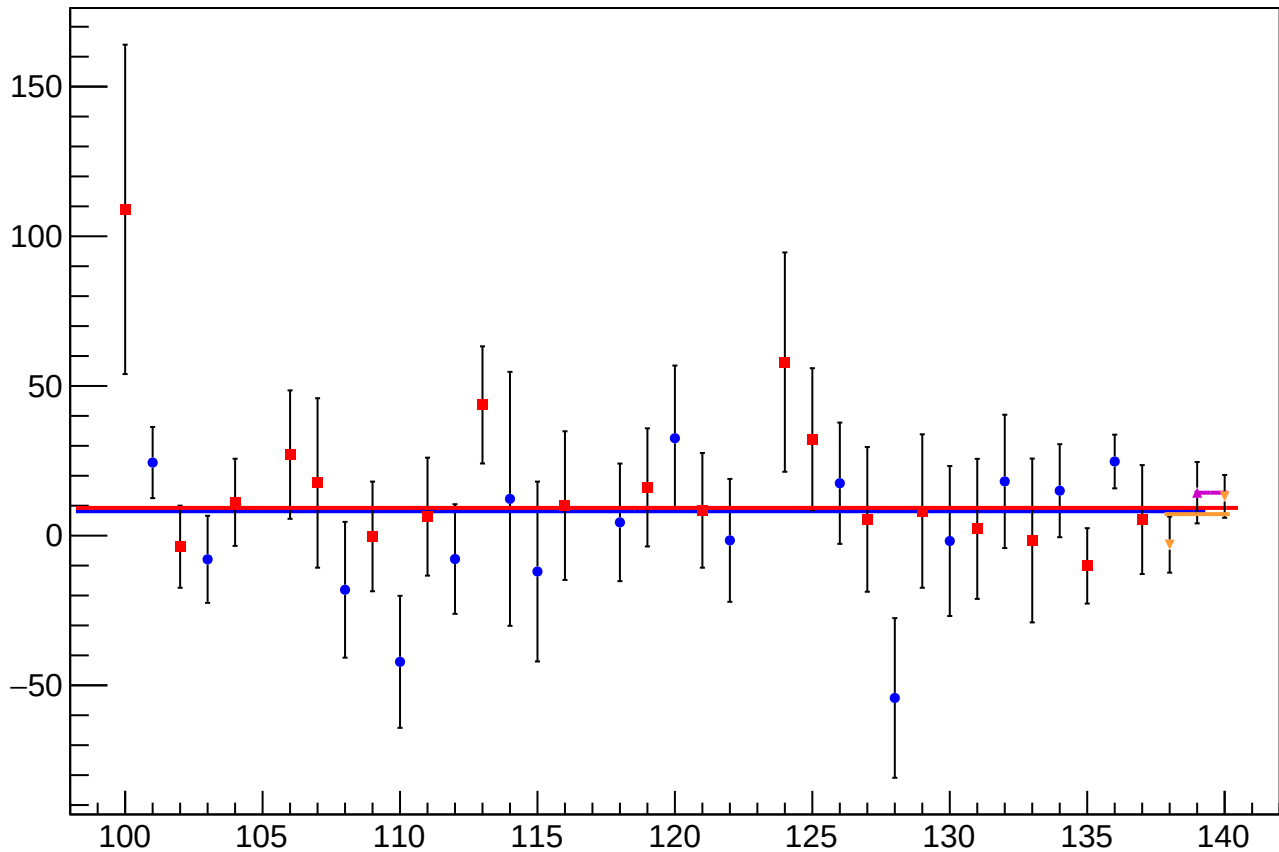
Left In: 13110.403 $\pm$ 10.080 χ^2 /NDF:0.0/0

+ sign 13742.652 $\pm$ 3.436 χ^2 /NDF: 1500390.5/17

All: 14844.457 $\pm$ 2.638 χ^2 /NDF: 2416482.0/3

- sign 16427.763 $\pm$ 4.119 χ^2 /NDF: 665484.4/19

diff_bpm4aediX_mean vs Slug



Right In: 8.150 ± 4.423 χ^2/NDF : 21.8/15

Left Out: 7.188 ± 5.685 χ^2/NDF : 1.9/1

Right Out: 9.270 ± 4.607 χ^2/NDF : 13.9/18

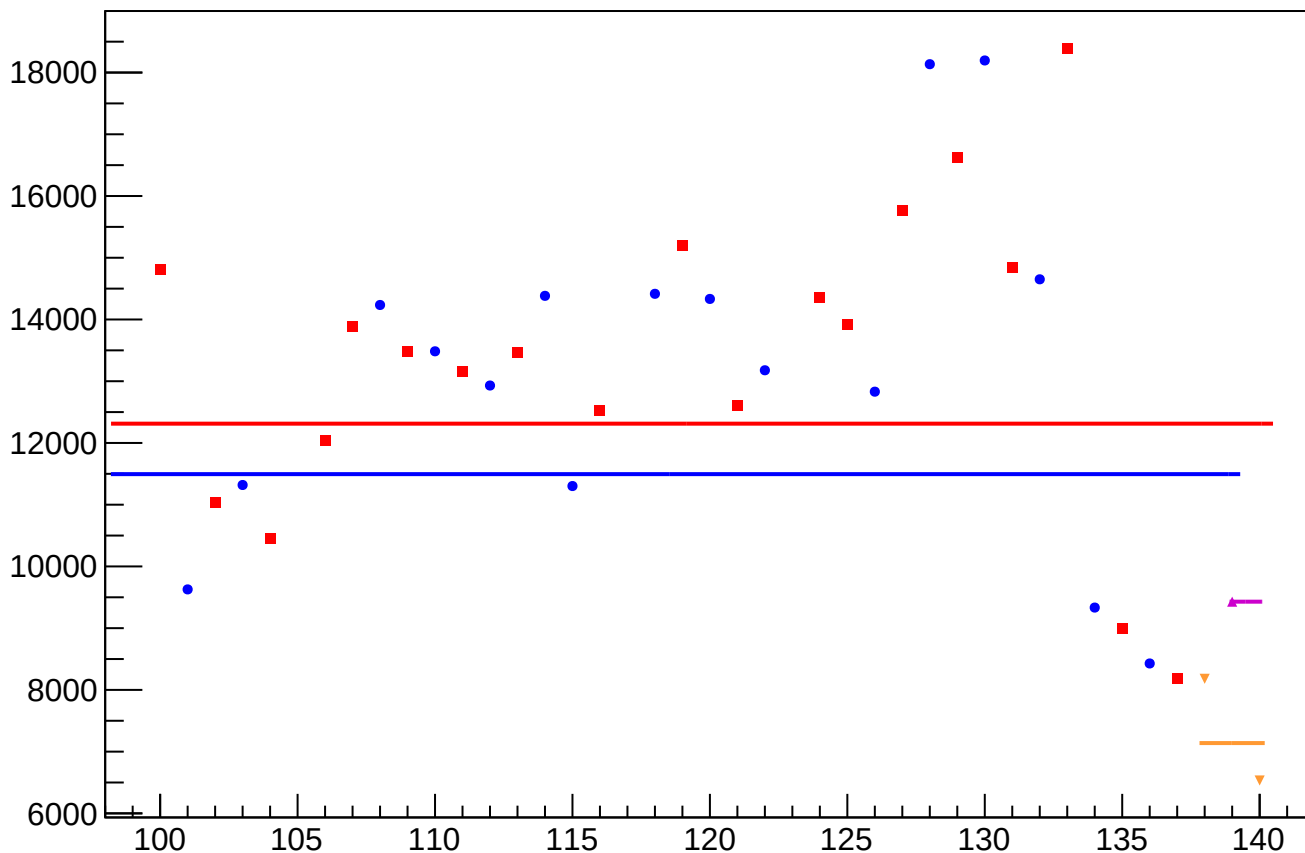
Left In: 14.347 ± 10.252 χ^2/NDF : 0.0/0

+ sign 7.787 ± 3.491 χ^2/NDF : 23.7/17

All: 8.741 ± 2.685 χ^2/NDF : 37.9/37

- sign 10.123 ± 4.202 χ^2/NDF : 14.1/19

diff_bpm4aediiffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF : 789990.1/15

Left Out: 7138.709+/-4.020 χ^2/NDF : 39044.8/1

Right Out: 12312.550+/-3.258 χ^2/NDF : 598755.3/18

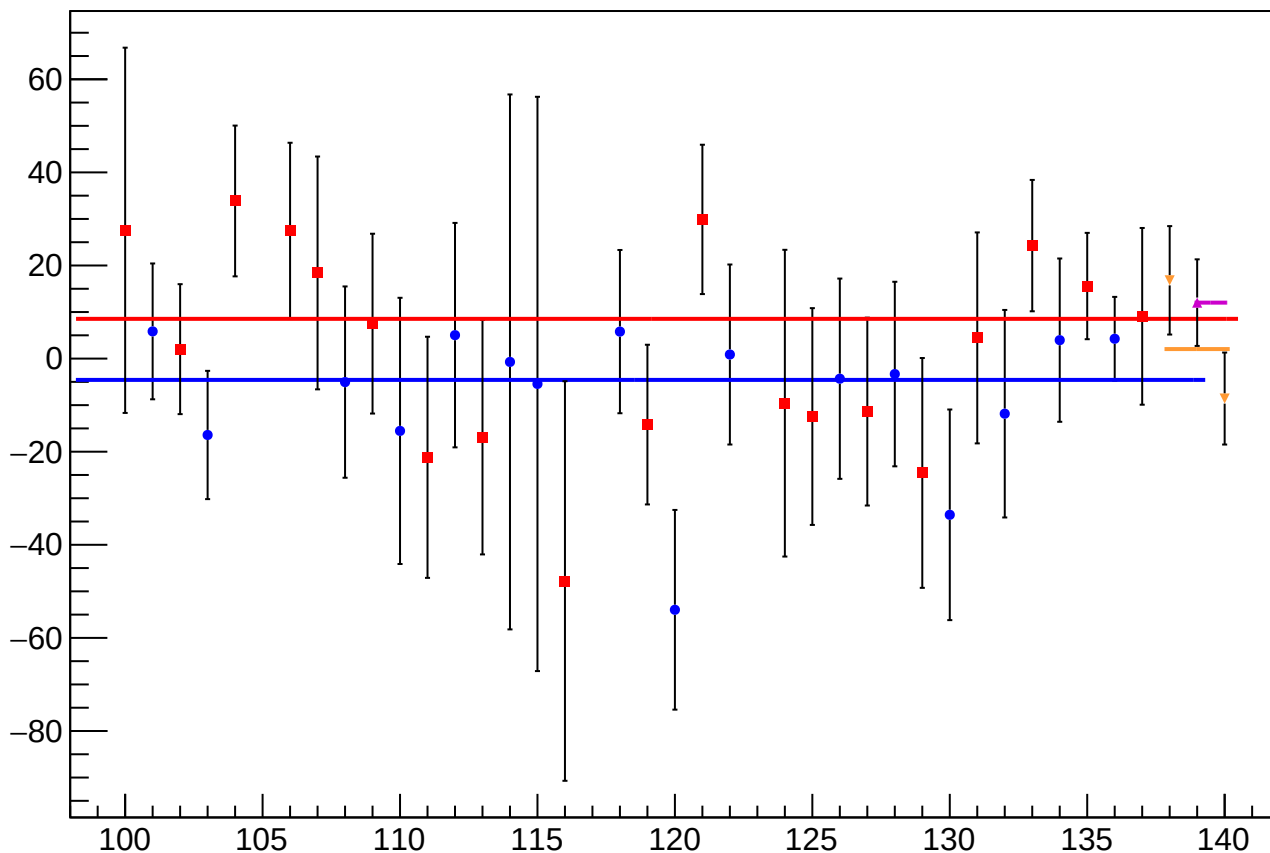
Left In: 9429.027+/-7.249 χ^2/NDF : 0.0/0

+ sign 9852.501+/-2.468 χ^2/NDF : 1560578.9/17

All: 10659.127+/-1.899 χ^2/NDF : 2552500.1/3

- sign 11828.080+/-2.972 χ^2/NDF : 730383.8/19

diff_bpm4aesumY_mean vs Slug



Right In: -4.578 $\pm$ 4.554 χ^2 /NDF: 10.2/15

Left Out: 2.046 $\pm$ 7.535 χ^2 /NDF: 2.8/1

Right Out: 8.537 $\pm$ 4.392 χ^2 /NDF: 17.2/18

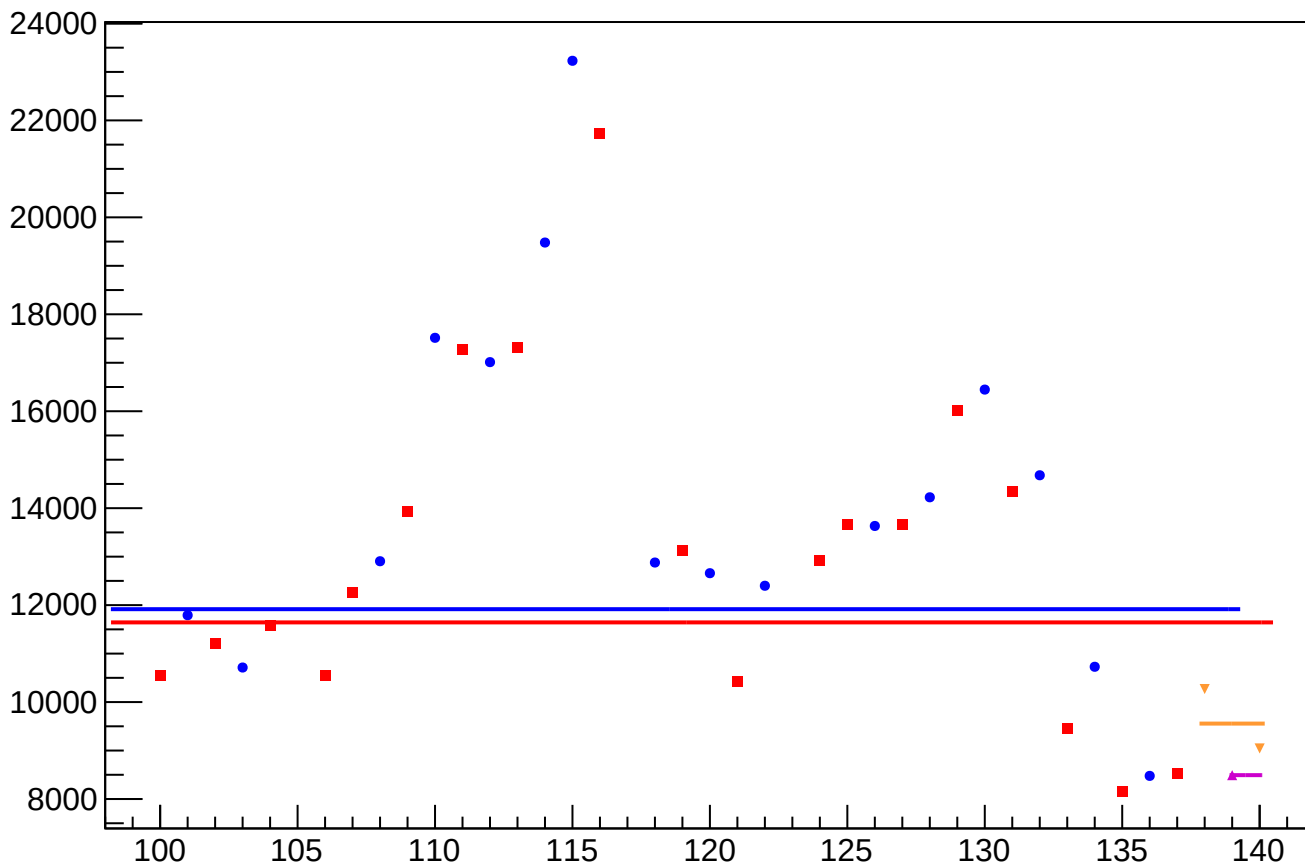
Left In: 12.022 $\pm$ 9.301 χ^2 /NDF: 0.0/0

+ sign -2.806 $\pm$ 3.897 χ^2 /NDF: 13.6/17

All: 3.070 $\pm$ 2.782 χ^2 /NDF: 35.5/37

- sign 9.173 $\pm$ 3.972 χ^2 /NDF: 17.3/19

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF : 749775.2/15

Left Out: 9556.118+/-5.328 χ^2/NDF : 12872.2/1

Right Out: 11643.622+/-3.106 χ^2/NDF : 790359.6/18

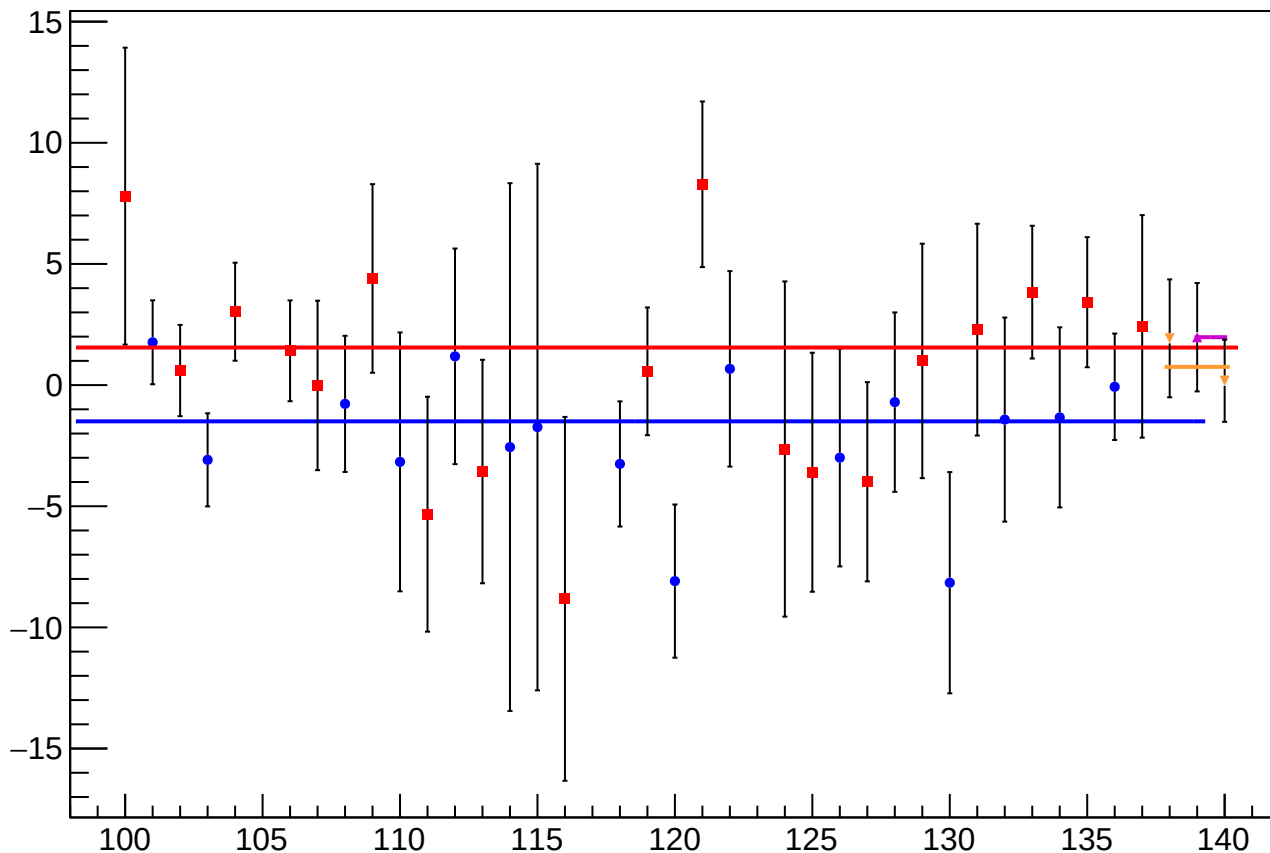
Left In: 8492.488+/-6.577 χ^2/NDF : 0.0/0

+ sign 11284.854+/-2.756 χ^2/NDF : 906382.6/17

All: 11178.987+/-1.967 χ^2/NDF : 1887448.4/3

- sign 11069.049+/-2.808 χ^2/NDF : 978057.7/19

diff_bpm4aediY_mean vs Slug



Right In: -1.496 ± 0.778 χ^2/NDF : 12.6/15

Left Out: 0.751 ± 1.391 χ^2/NDF : 0.3/1

Right Out: 1.551 ± 0.745 χ^2/NDF : 16.3/18

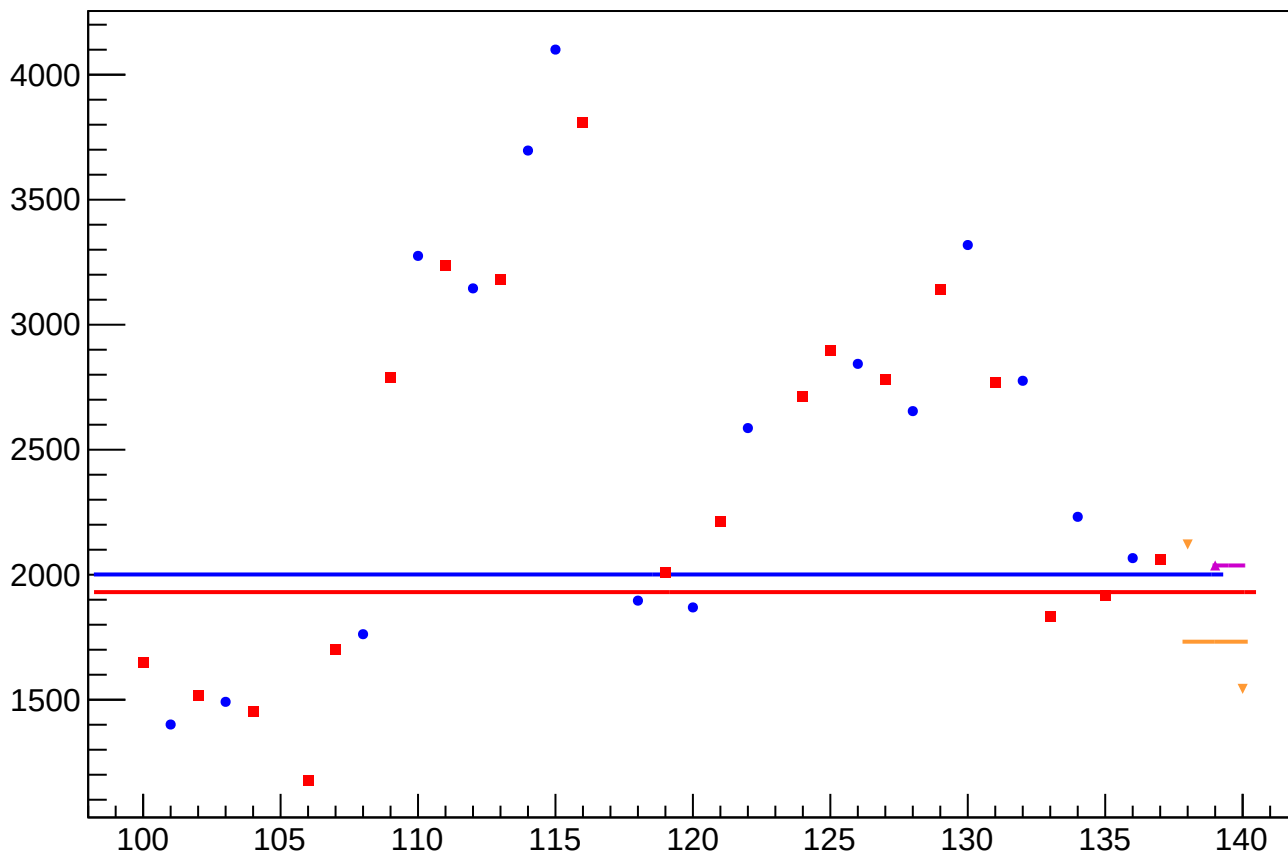
Left In: 1.976 ± 2.237 χ^2/NDF : 0.0/0

+ sign -0.960 ± 0.679 χ^2/NDF : 14.9/17

All: 0.266 ± 0.490 χ^2/NDF : 38.0/37

- sign 1.593 ± 0.706 χ^2/NDF : 16.3/19

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000 $\pm$ 0.550 χ^2 /NDF: 1189784.2/15

Left Out: 1732.152 $\pm$ 0.984 χ^2 /NDF: 75858.0/1

Right Out: 1930.434 $\pm$ 0.526 χ^2 /NDF: 1403552.6/18

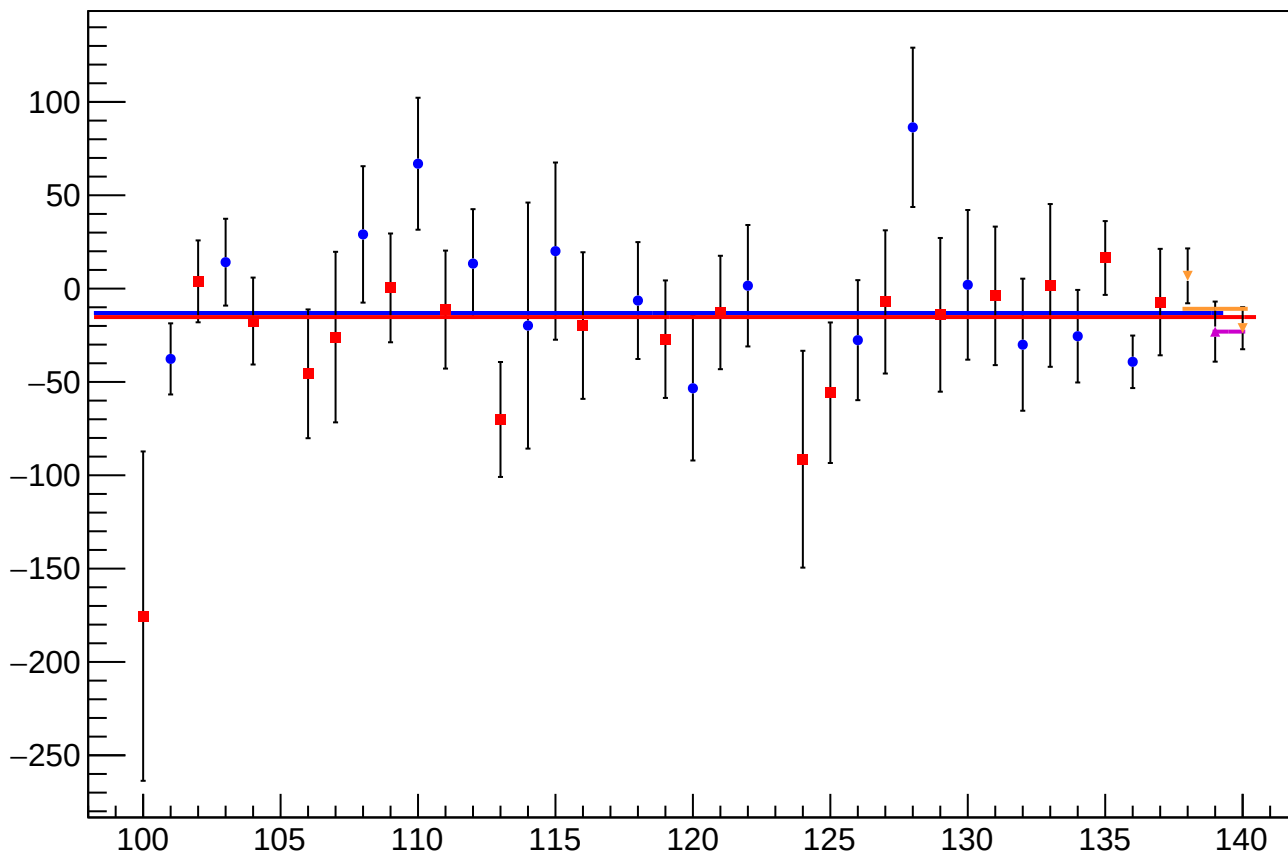
Left In: 2037.003 $\pm$ 1.582 χ^2 /NDF: 0.0/0

+ sign 1936.916 $\pm$ 0.480 χ^2 /NDF: 1322535.3/17

All: 1938.907 $\pm$ 0.346 χ^2 /NDF: 2730210.2/37

- sign 1941.062 $\pm$ 0.500 χ^2 /NDF: 1407639.1/19

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066 ± 7.026 χ^2/NDF : 21.9/15

Left Out: -10.827 ± 8.941 χ^2/NDF : 2.3/1

Right Out: -15.253 ± 7.321 χ^2/NDF : 14.3/18

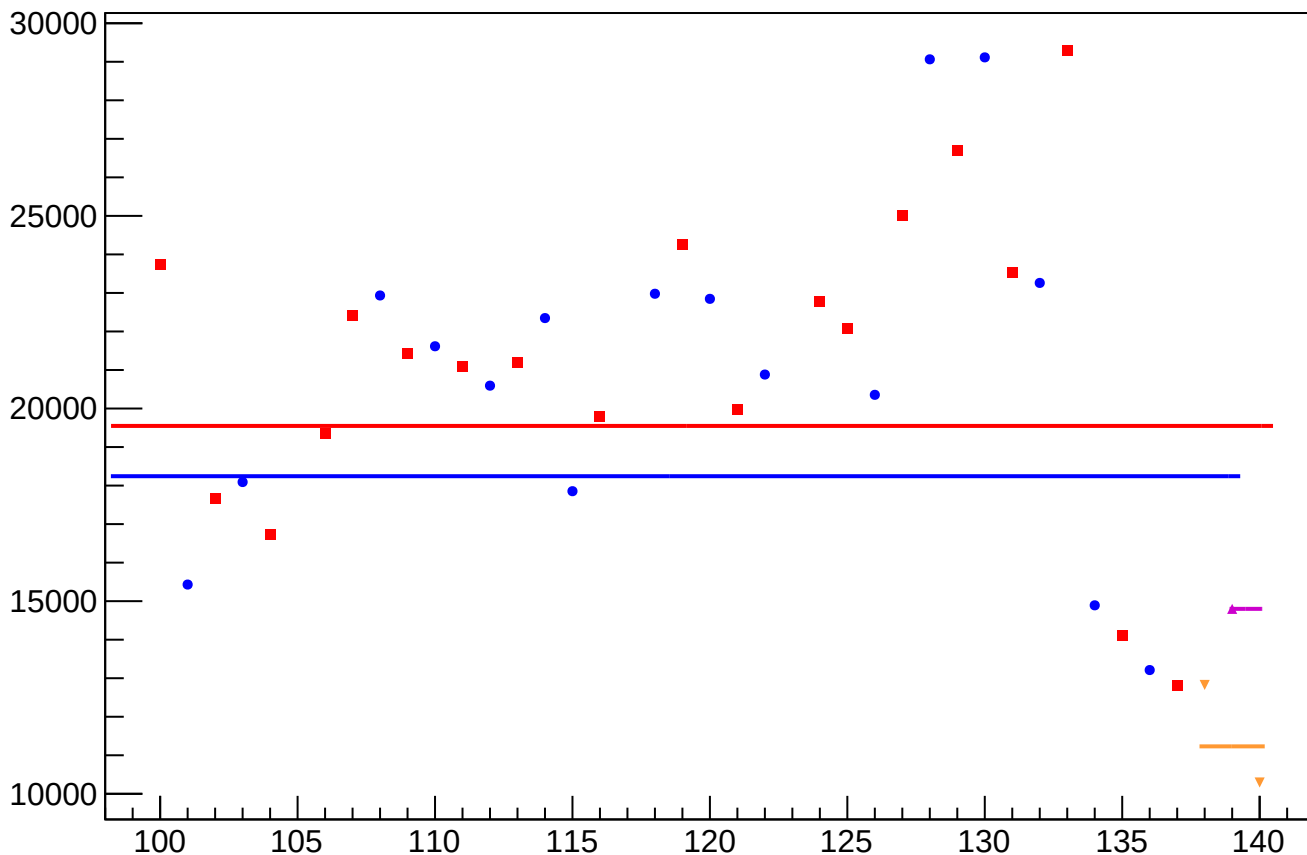
Left In: -23.045 ± 16.092 χ^2/NDF : 0.0/0

+ sign -12.211 ± 5.525 χ^2/NDF : 24.2/17

All: -13.994 ± 4.253 χ^2/NDF : 39.0/37

- sign -16.589 ± 6.664 χ^2/NDF : 14.5/19

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968

χ^2/NDF : 819828.6/15

+ sign 15566.224+/-3.907 χ^2/NDF : 1617712.0/17

Left Out: 11231.050+/-6.322

χ^2/NDF : 37392.8/1

All: 16856.788+/-3.007 χ^2/NDF : 2651599.2/3

Right Out: 19548.426+/-5.176

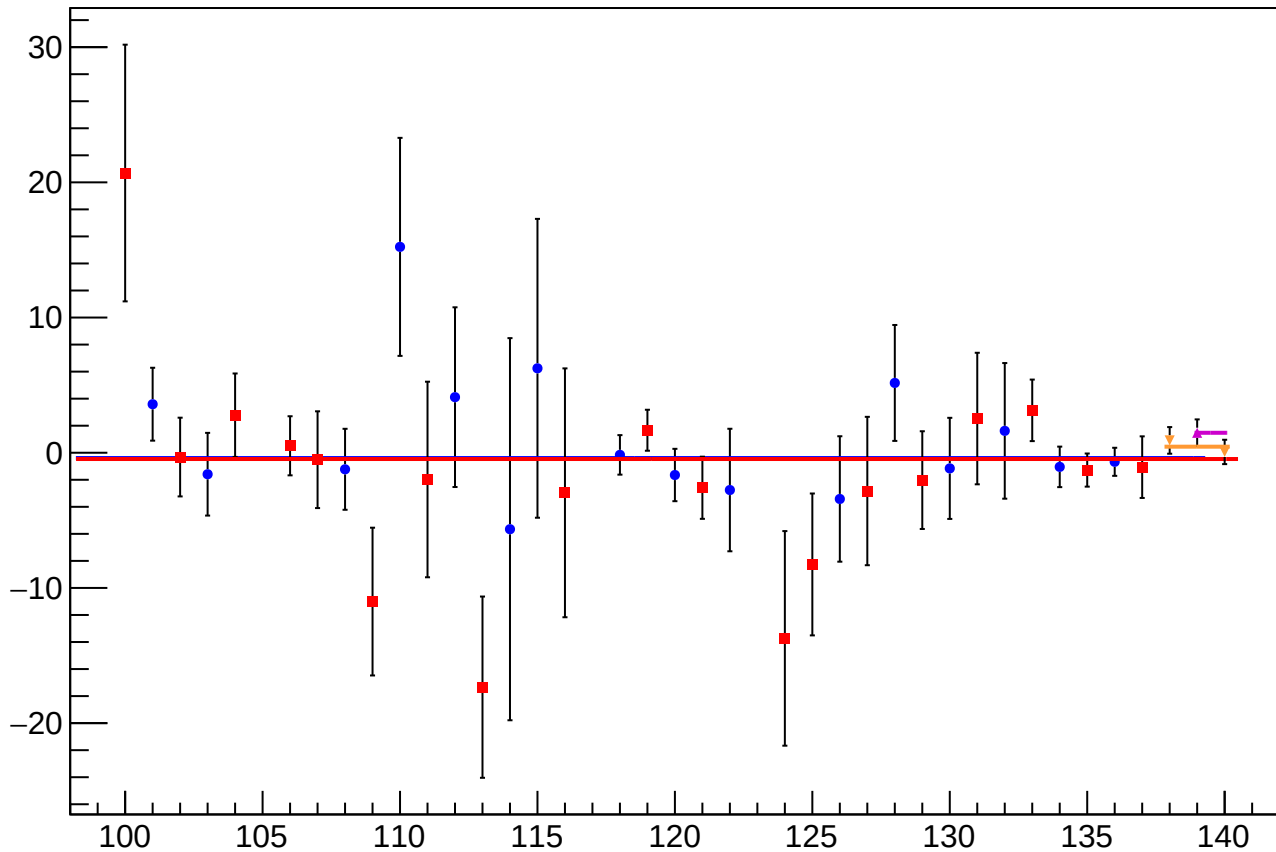
χ^2/NDF : 621716.4/18

- sign 18734.305+/-4.712 χ^2/NDF : 765973.1/19

Left In: 14800.328+/-11.379

χ^2/NDF : 0.0/0

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394 ± 0.600 χ^2/NDF : 10.4/15

Left Out: 0.448 ± 0.665 χ^2/NDF : 0.4/1

Right Out: -0.464 ± 0.634 χ^2/NDF : 28.0/18

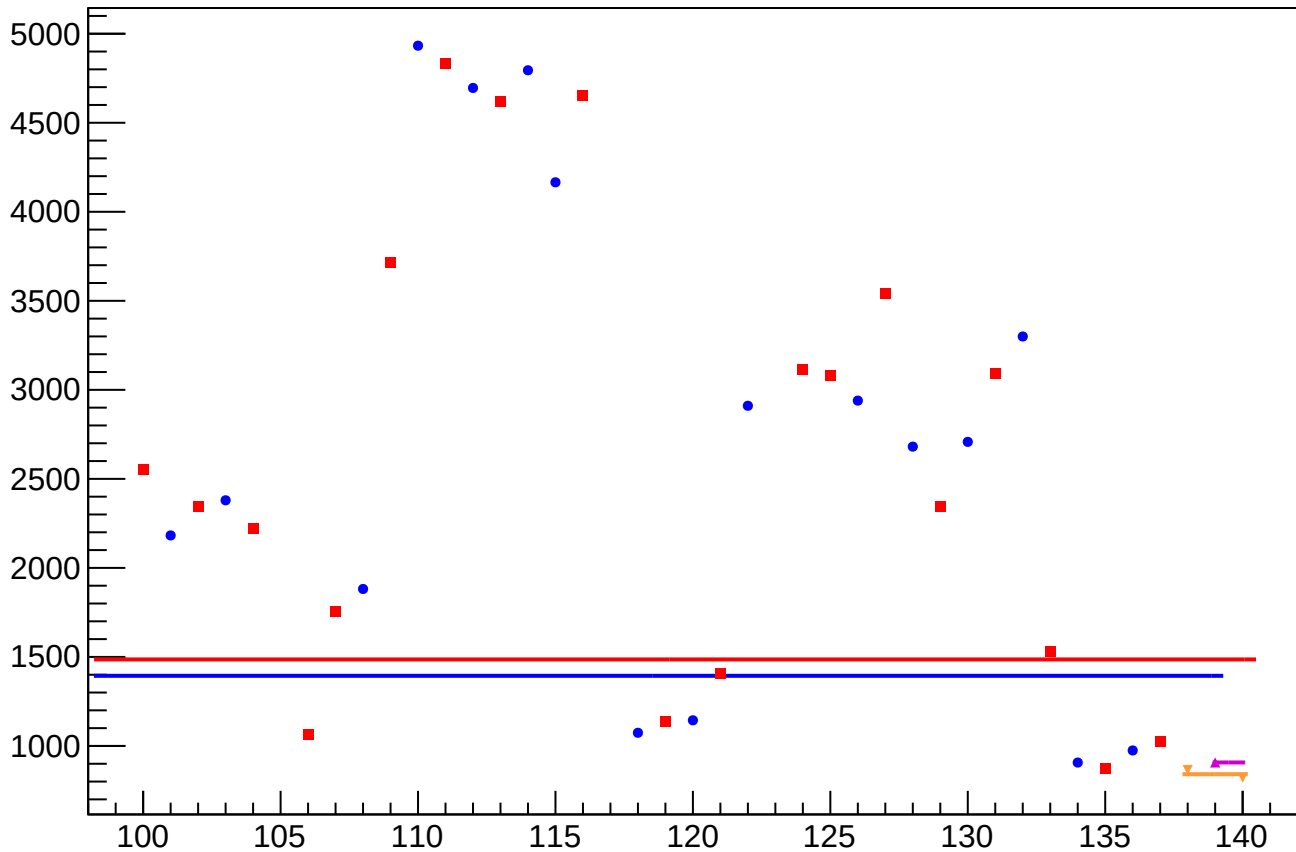
Left In: 1.476 ± 0.991 χ^2/NDF : 0.0/0

+ sign -0.016 ± 0.445 χ^2/NDF : 11.7/17

All: 0.031 ± 0.342 χ^2/NDF : 42.5/37

- sign 0.100 ± 0.534 χ^2/NDF : 30.8/19

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912 ± 0.424 $\chi^2/\text{NDF}: 3381007.0/15$

Left Out: 841.334 ± 0.470 $\chi^2/\text{NDF}: 2071.3/1$

+ sign 1145.706 ± 0.315 $\chi^2/\text{NDF}: 4144701.5/17$

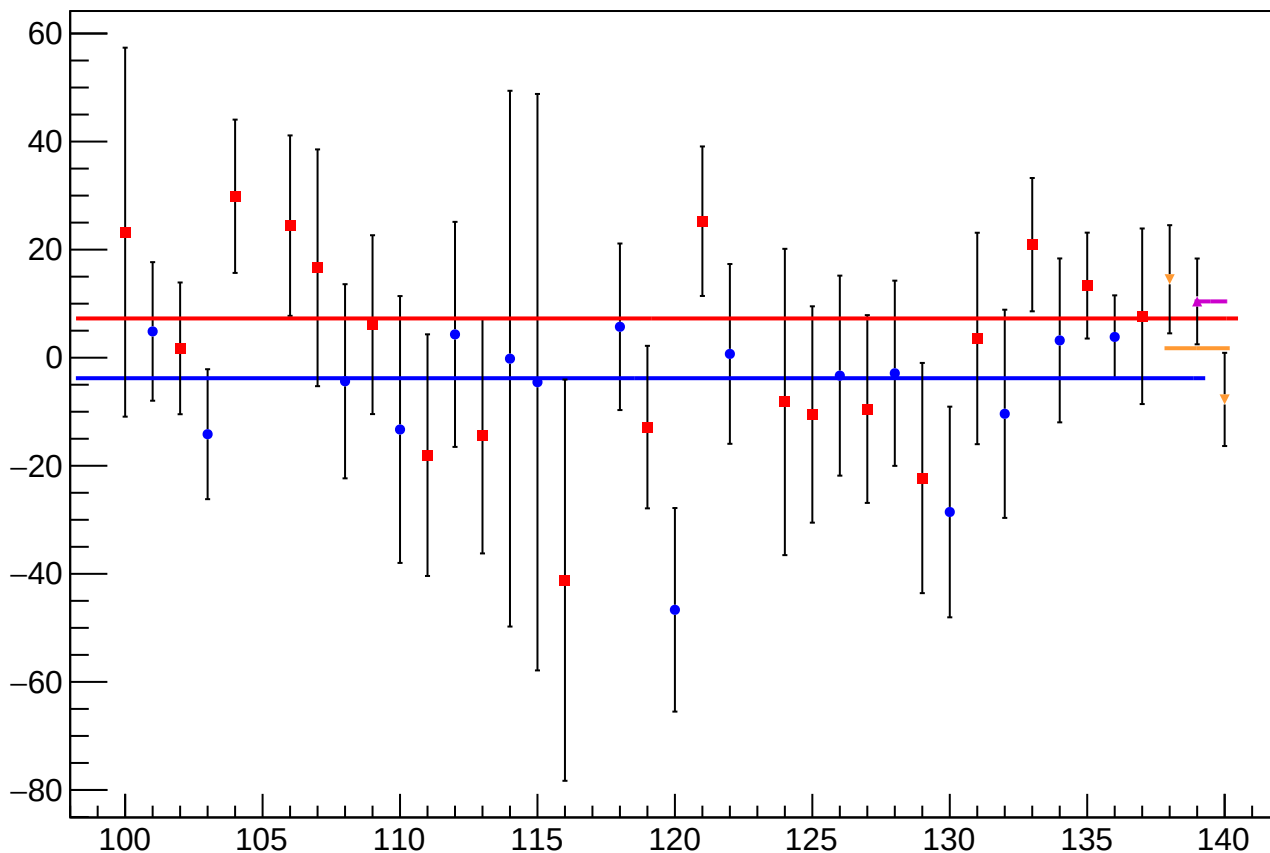
Right Out: 1486.000 ± 0.448 $\chi^2/\text{NDF}: 3398817.4/18$

All: 1216.338 ± 0.242 $\chi^2/\text{NDF}: 8150492.6/37$

- sign 1317.835 ± 0.378 $\chi^2/\text{NDF}: 3883223.0/19$

Left In: 907.246 ± 0.700 $\chi^2/\text{NDF}: 0.0/0$

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795 ± 3.943 χ^2/NDF : 10.1/15

Left Out: 1.752 ± 6.533 χ^2/NDF : 2.8/1

Right Out: 7.264 ± 3.807 χ^2/NDF : 17.3/18

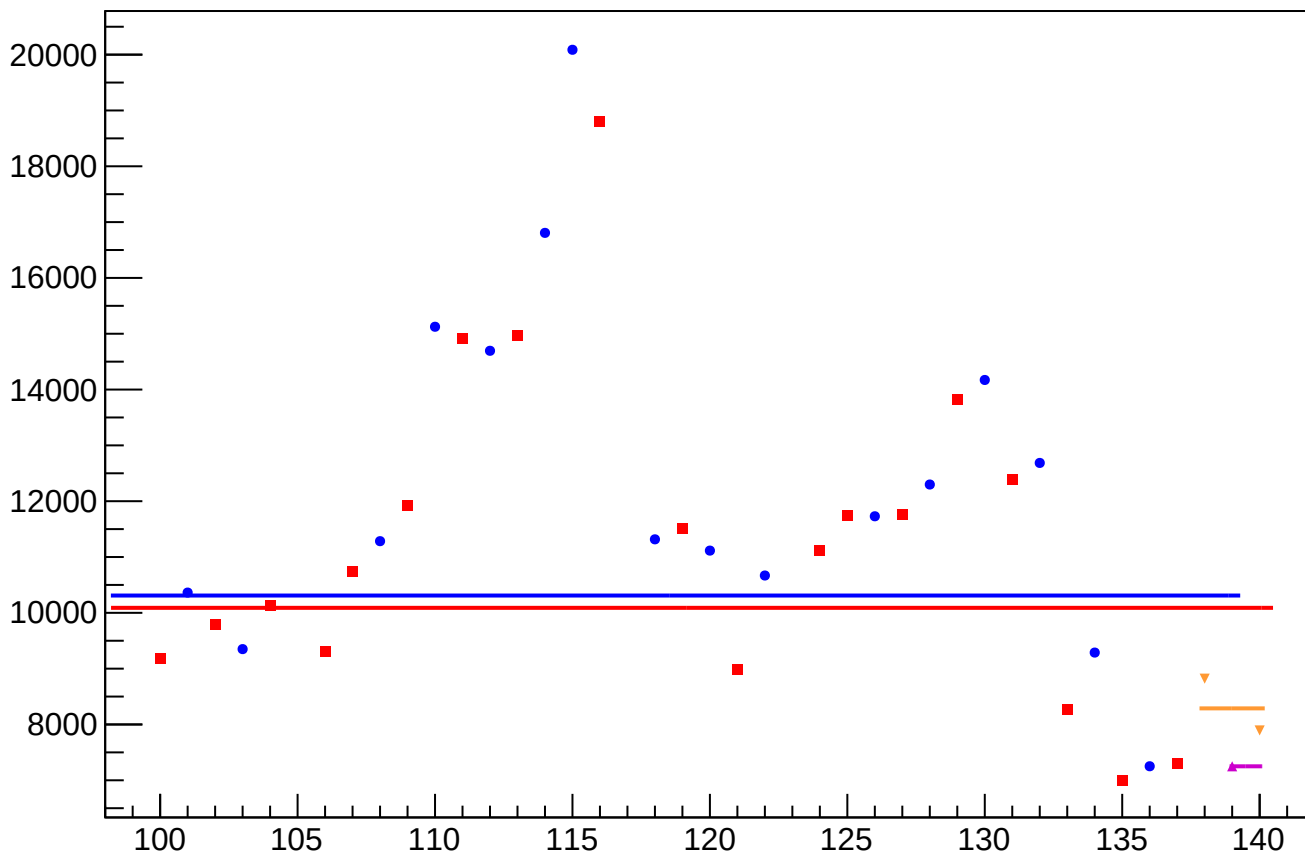
Left In: 10.417 ± 7.939 χ^2/NDF : 0.0/0

+ sign -2.314 ± 3.376 χ^2/NDF : 13.4/17

All: 2.685 ± 2.407 χ^2/NDF : 35.3/37

- sign 7.854 ± 3.433 χ^2/NDF : 17.4/19

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF : 770518.2/15

Left Out: 8288.289+/-4.620 χ^2/NDF :9856.0/1

Right Out: 10089.584+/-2.692 χ^2/NDF : 792788.1/18

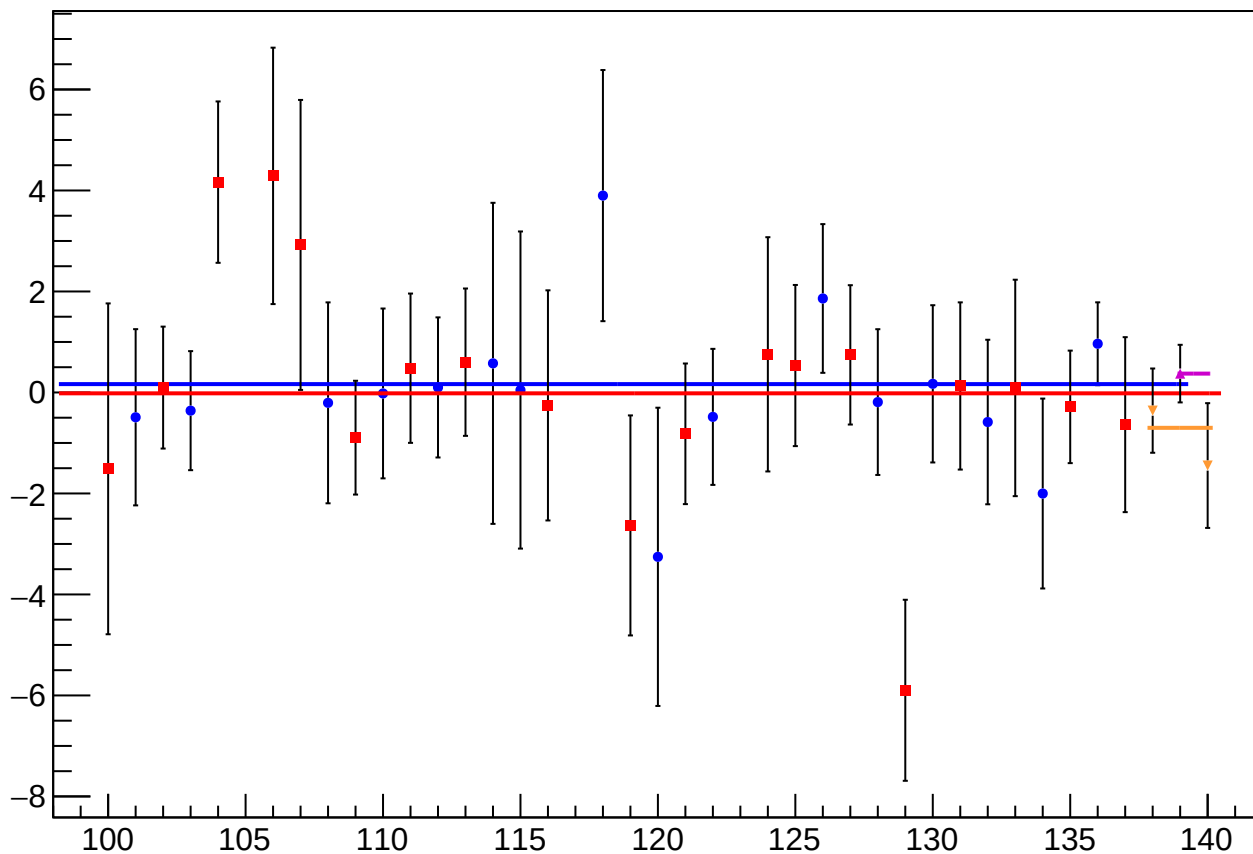
Left In: 7250.536+/-5.614 χ^2/NDF :0.0/0

+ sign 9770.198+/-2.387 χ^2/NDF : 920745.1/17

All: 9666.285+/-1.702 χ^2/NDF : 1925323.4/37

- sign 9558.845+/-2.427 χ^2/NDF : 1000724.1/19

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165 ± 0.386 $\chi^2/\text{NDF}: 8.1/15$

Left Out: -0.700 ± 0.691 $\chi^2/\text{NDF}: 0.5/1$

Right Out: -0.017 ± 0.372 $\chi^2/\text{NDF}: 25.2/18$

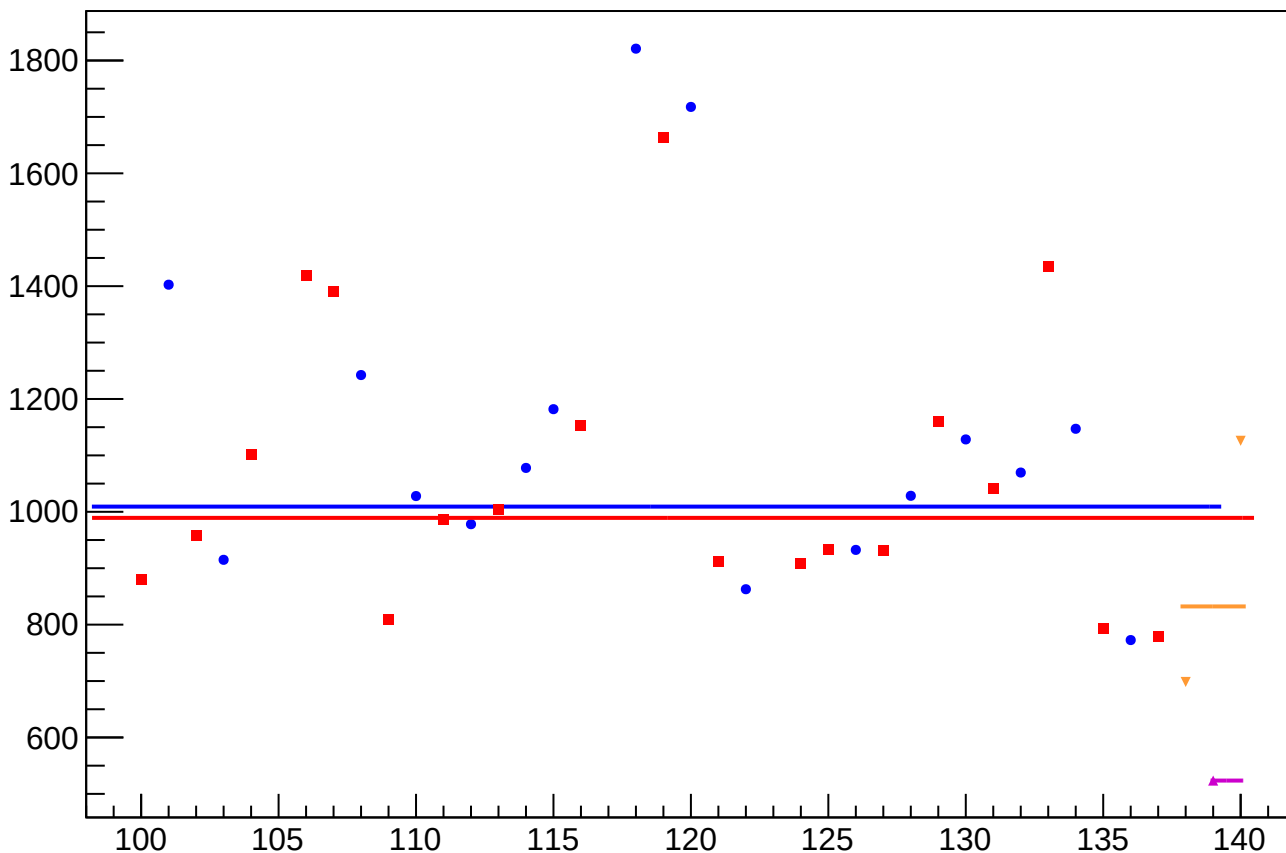
Left In: 0.373 ± 0.570 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.041 ± 0.337 $\chi^2/\text{NDF}: 9.8/17$

All: 0.035 ± 0.229 $\chi^2/\text{NDF}: 35.4/37$

- sign 0.099 ± 0.312 $\chi^2/\text{NDF}: 25.5/19$

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF : 699303.9/15

Left Out: 832.268+/-0.489 χ^2/NDF : 164492.0/1

Right Out: 989.246+/-0.263 χ^2/NDF : 575759.9/18

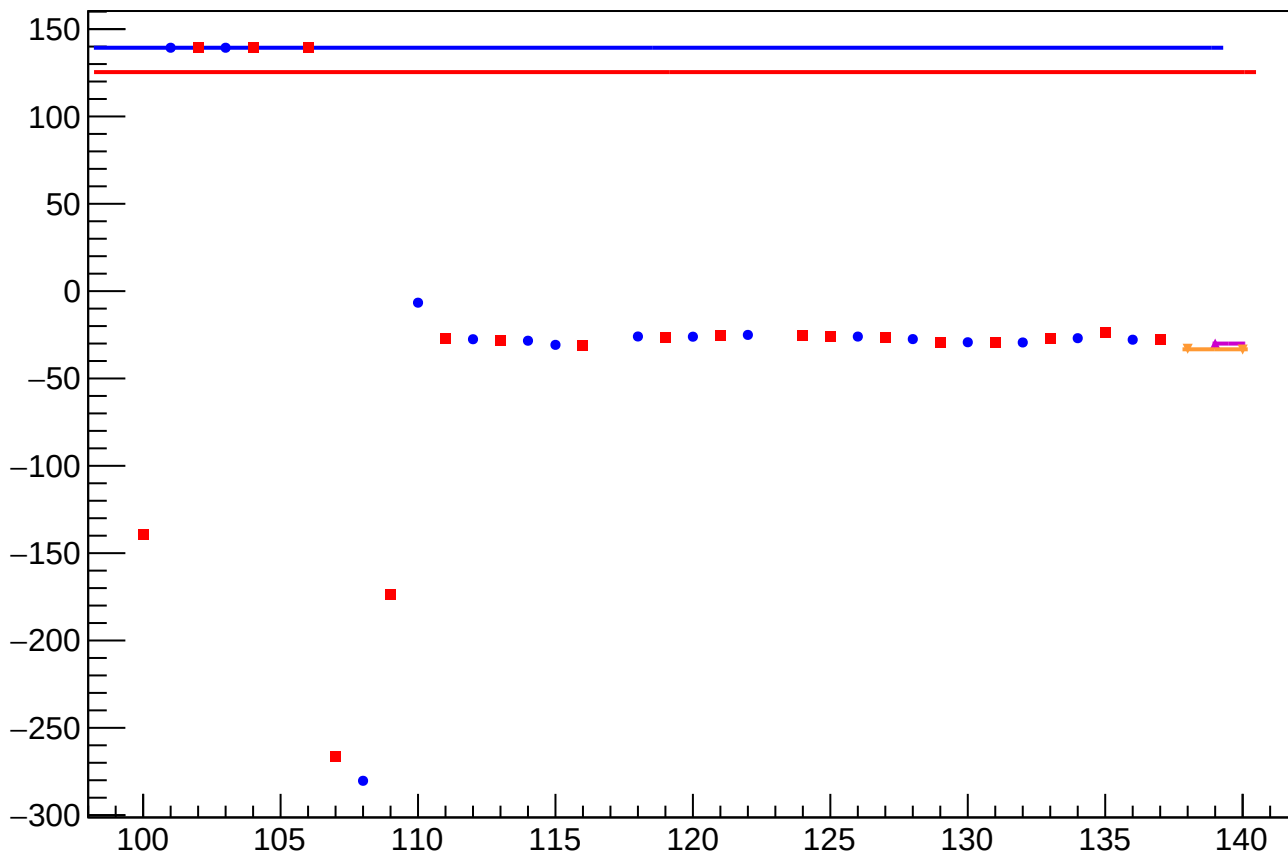
Left In: 523.582+/-0.403 χ^2/NDF : 0.0/0

+ sign 967.119+/-0.238 χ^2/NDF : 963640.8/17

All: 904.032+/-0.162 χ^2/NDF : 2604264.9/37

- sign 850.134+/-0.220 χ^2/NDF : 1510836.7/19

yield_cav4bX_mean vs Slug



Right In: 139.337 $\pm$ 0.000 χ^2 /NDF: 47088045550.1/15

Left Out: -33.295 $\pm$ 0.002 χ^2 /NDF:18342.4/1

Right Out: 125.392 $\pm$ 0.000 χ^2 /NDF: 774173119844052.5/18

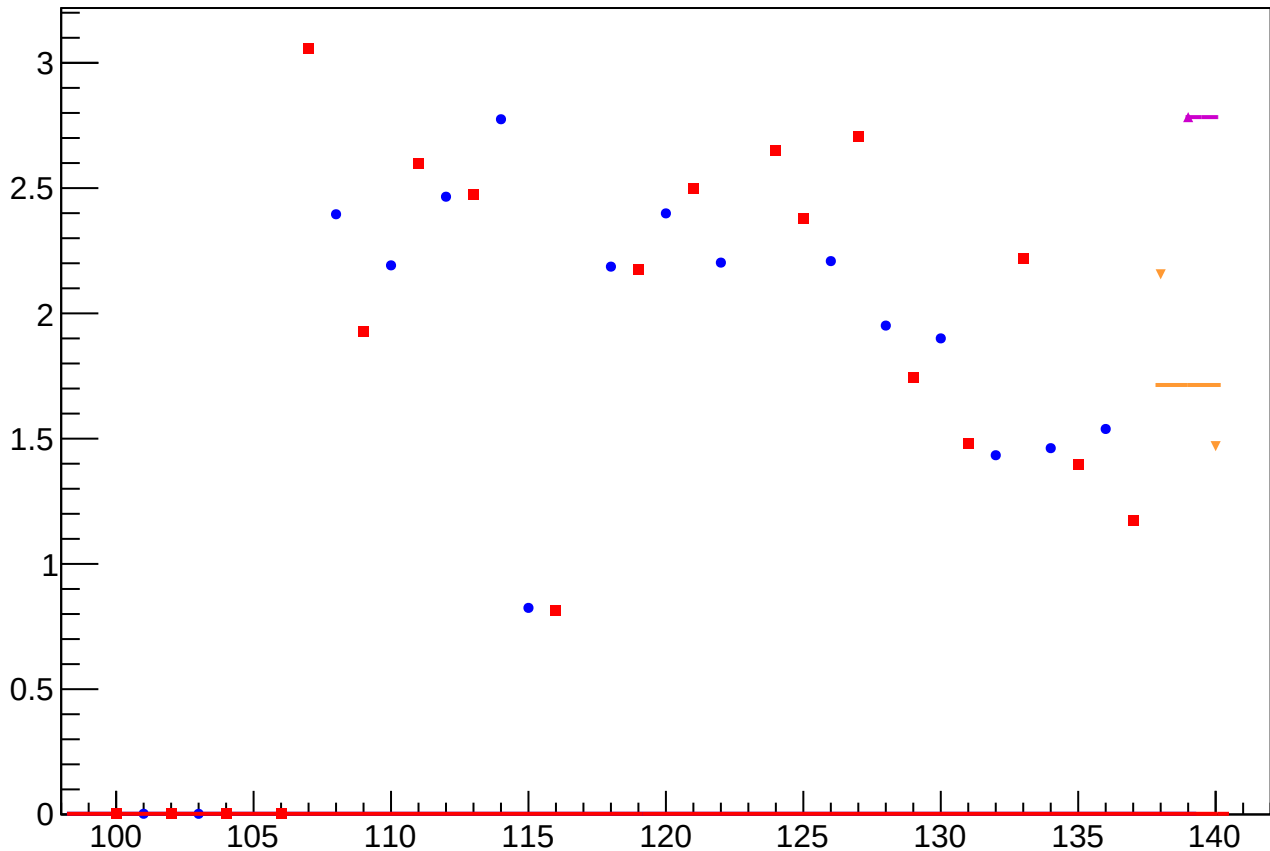
Left In: -30.019 $\pm$ 0.003 χ^2 /NDF:0.0/0

+ sign 139.336 $\pm$ 0.000 χ^2 /NDF: 58961899663.9/17

All: 131.818 $\pm$ 0.000 χ^2 /NDF: 793018633780

- sign 125.392 $\pm$ 0.000 χ^2 /NDF: 774175676229594

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 9565657.6/15

Left Out: 1.714+/-0.001 χ^2/NDF : 85951.5/1

Right Out: 0.003+/-0.000 χ^2/NDF : 9733783.1/18

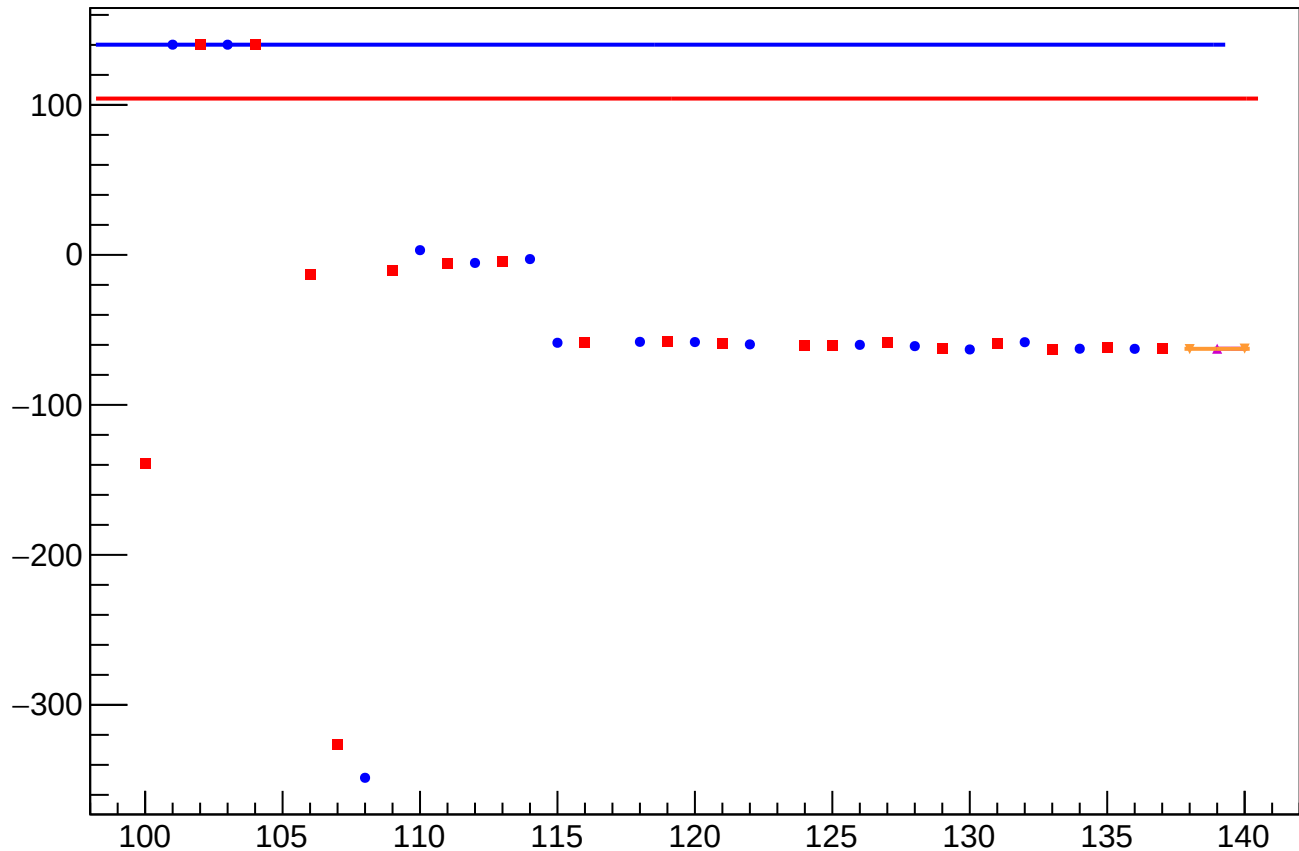
Left In: 2.783+/-0.002 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 11985864.0/17

All: 0.003+/-0.000 χ^2/NDF : 23356726.7/37

- sign 0.003+/-0.000 χ^2/NDF : 11370649.5/19

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF : 187461723281.9/15

Left Out: -62.625+/-0.001 χ^2/NDF : 98307.4/1

Right Out: 104.224+/-0.000 χ^2/NDF : 1257401882577977.0/18

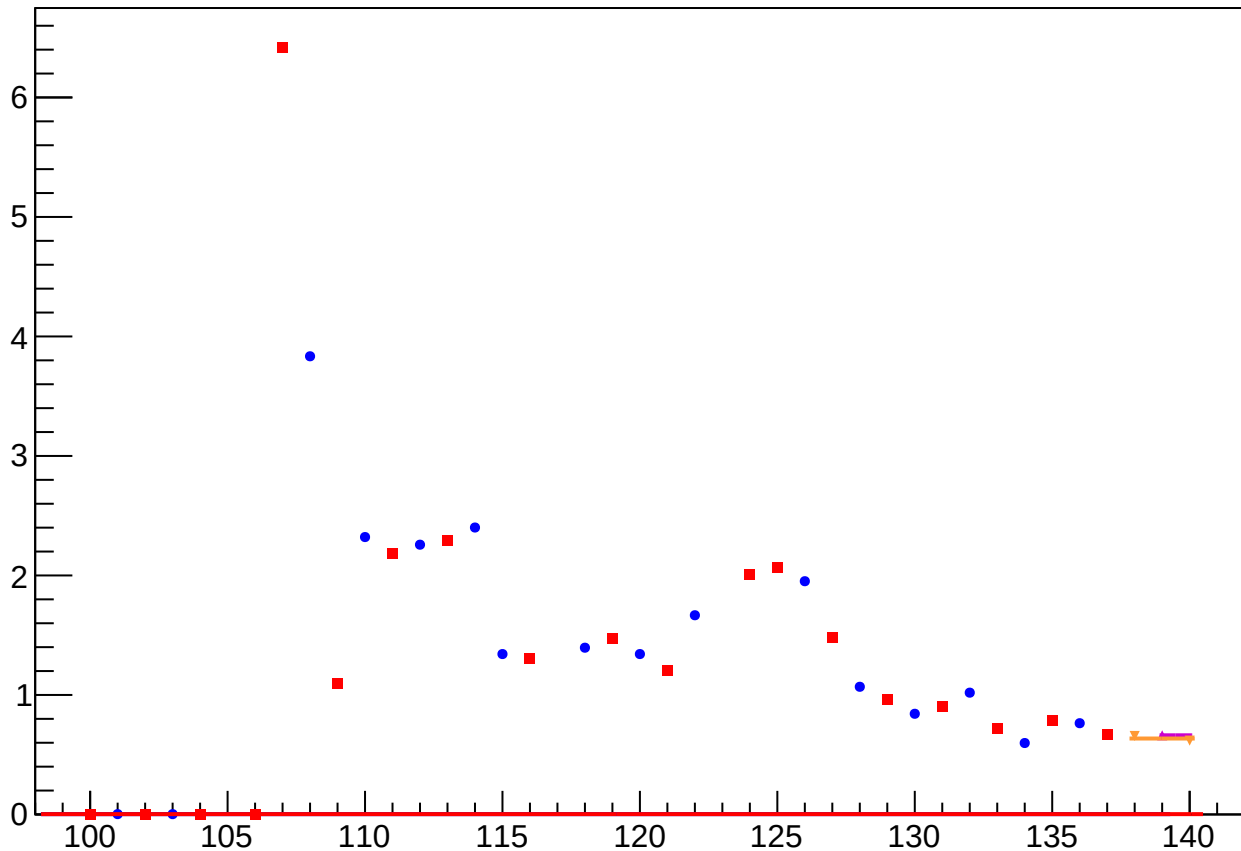
Left In: -62.550+/-0.001 χ^2/NDF : 0.0/0

+ sign 140.139+/-0.000 χ^2/NDF : 344633945462.4/1

All: 120.829+/-0.000 χ^2/NDF : 138108778530

- sign 104.223+/-0.000 χ^2/NDF : 125745433543925

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 10578723.1/15

Left Out: 0.635+/-0.000 χ^2/NDF : 2866.7/1

Right Out: 0.003+/-0.000 χ^2/NDF : 10266772.6/18

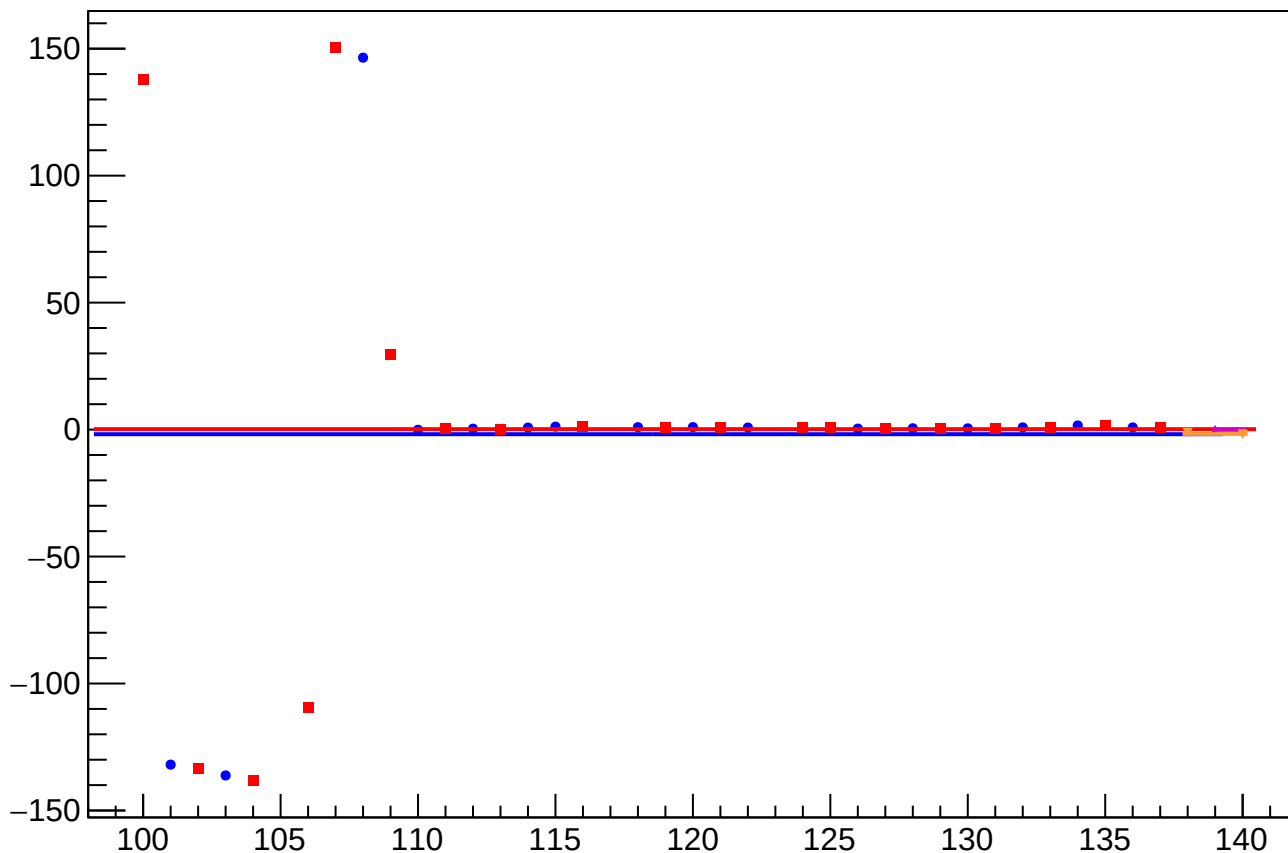
Left In: 0.662+/-0.001 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 13642393.2/17

All: 0.003+/-0.000 χ^2/NDF : 25550887.1/37

- sign 0.003+/-0.000 χ^2/NDF : 11908180.8/19

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF : 9887177310.2/15

Left Out: -1.692+/-0.001 χ^2/NDF : 240760.5/1

Right Out: 0.165+/-0.000 χ^2/NDF : 3611245020.0/18

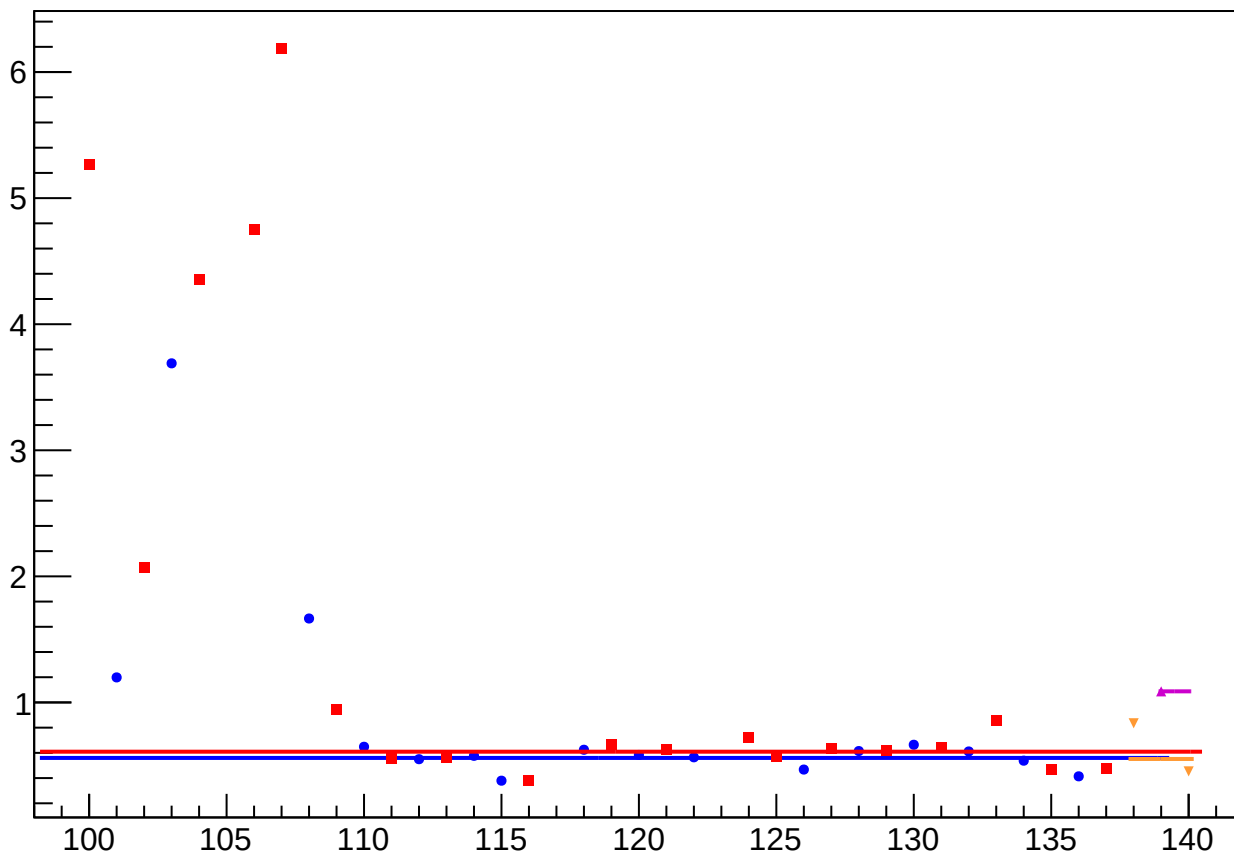
Left In: -0.089+/-0.001 χ^2/NDF : 0.0/0

+ sign -1.794+/-0.000 χ^2/NDF : 9887465557.5/17

All: -0.986+/-0.000 χ^2/NDF : 13529969359.5/19

- sign 0.152+/-0.000 χ^2/NDF : 3611288460.7/19

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF : 1598439.5/15

Left Out: 0.552+/-0.000 χ^2/NDF : 206749.0/1

Right Out: 0.609+/-0.000 χ^2/NDF : 2476010.3/18

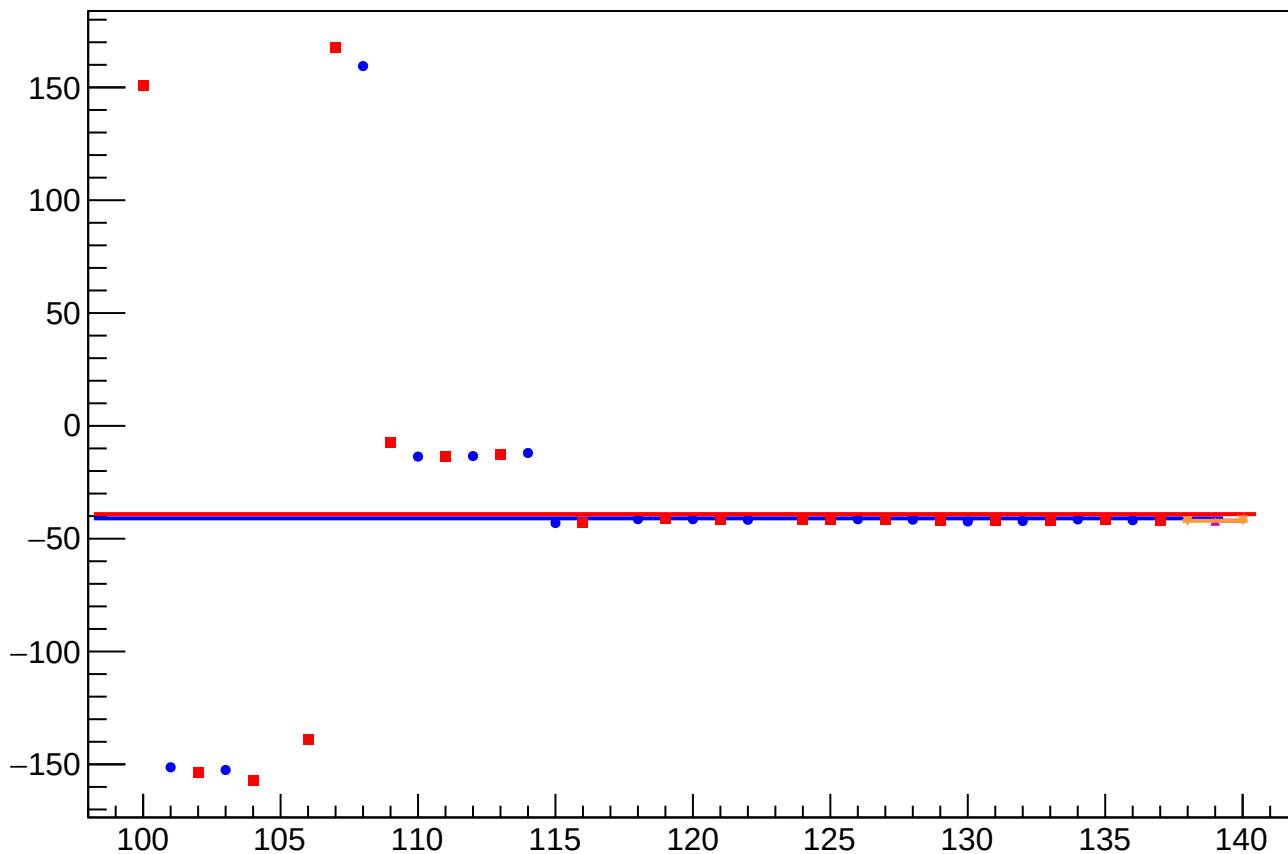
Left In: 1.088+/-0.001 χ^2/NDF : 0.0/0

+ sign 0.558+/-0.000 χ^2/NDF : 1805599.6/17

All: 0.590+/-0.000 χ^2/NDF : 4683647.9/37

- sign 0.633+/-0.000 χ^2/NDF : 2784918.0/19

yield_cav4cY_mean vs Slug



Right In: -40.987+/-0.000 χ^2/NDF : 3449622021.8/15

Left Out: -42.073+/-0.000 χ^2/NDF : 211878.1/1

Right Out: -39.101+/-0.000 χ^2/NDF : 2480133442.0/18

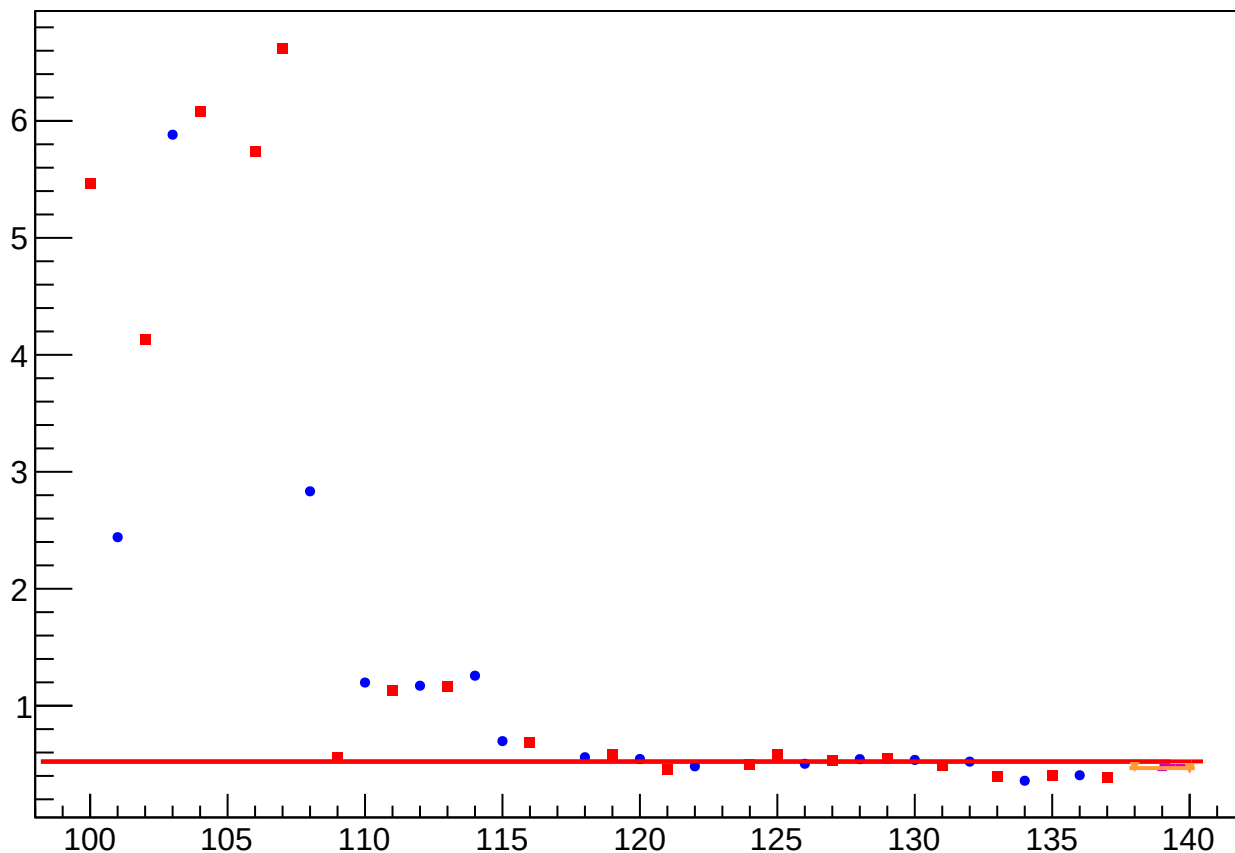
Left In: -42.024+/-0.001 χ^2/NDF : 0.0/0

+ sign -41.267+/-0.000 χ^2/NDF : 3455446900.0/17

All: -40.476+/-0.000 χ^2/NDF : 5992661702.5/19

- sign -39.544+/-0.000 χ^2/NDF : 2503331012.3/19

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF : 2949327.6/15

Left Out: 0.467+/-0.000 χ^2/NDF :844.5/1

Right Out: 0.524+/-0.000 χ^2/NDF : 3264460.0/18

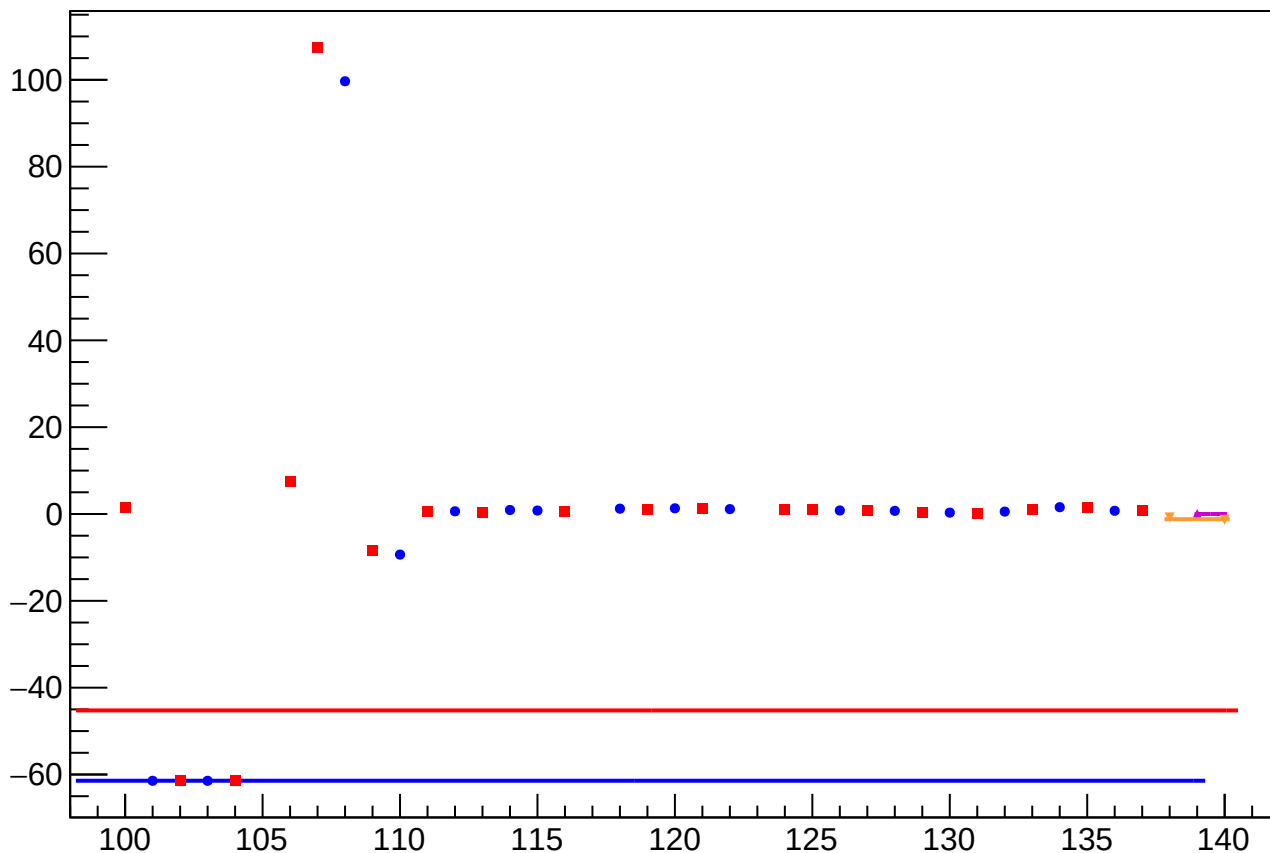
Left In: 0.485+/-0.000 χ^2/NDF :0.0/0

+ sign 0.508+/-0.000 χ^2/NDF : 2979335.9/17

All: 0.512+/-0.000 χ^2/NDF : 6254665.1/37

- sign 0.518+/-0.000 χ^2/NDF : 3272932.9/19

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF : 273496278670.9/15

Left Out: -1.194+/-0.000 χ^2/NDF : 304722.5/1

Right Out: -45.245+/-0.000 χ^2/NDF : 357870328061478.0/18

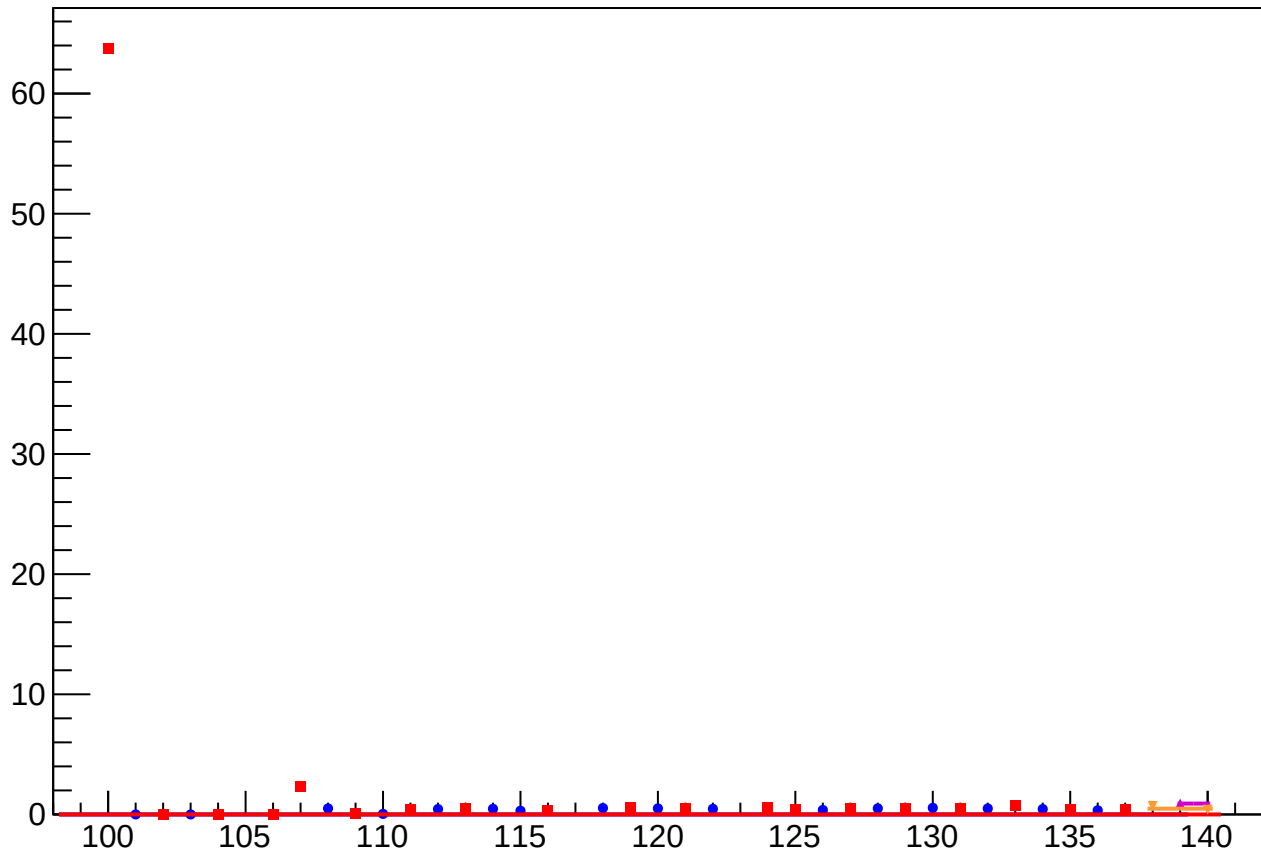
Left In: -0.003+/-0.001 χ^2/NDF : 0.0/0

+ sign -61.435+/-0.000 χ^2/NDF : 291616066986.6/1

All: -52.749+/-0.000 χ^2/NDF : 409138038302

- sign -45.245+/-0.000 χ^2/NDF : 357872424328331.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9156181.6/15

Left Out: 0.481+/-0.000 χ^2/NDF : 189238.9/1

Right Out: 0.001+/-0.000 χ^2/NDF : 9345109.5/18

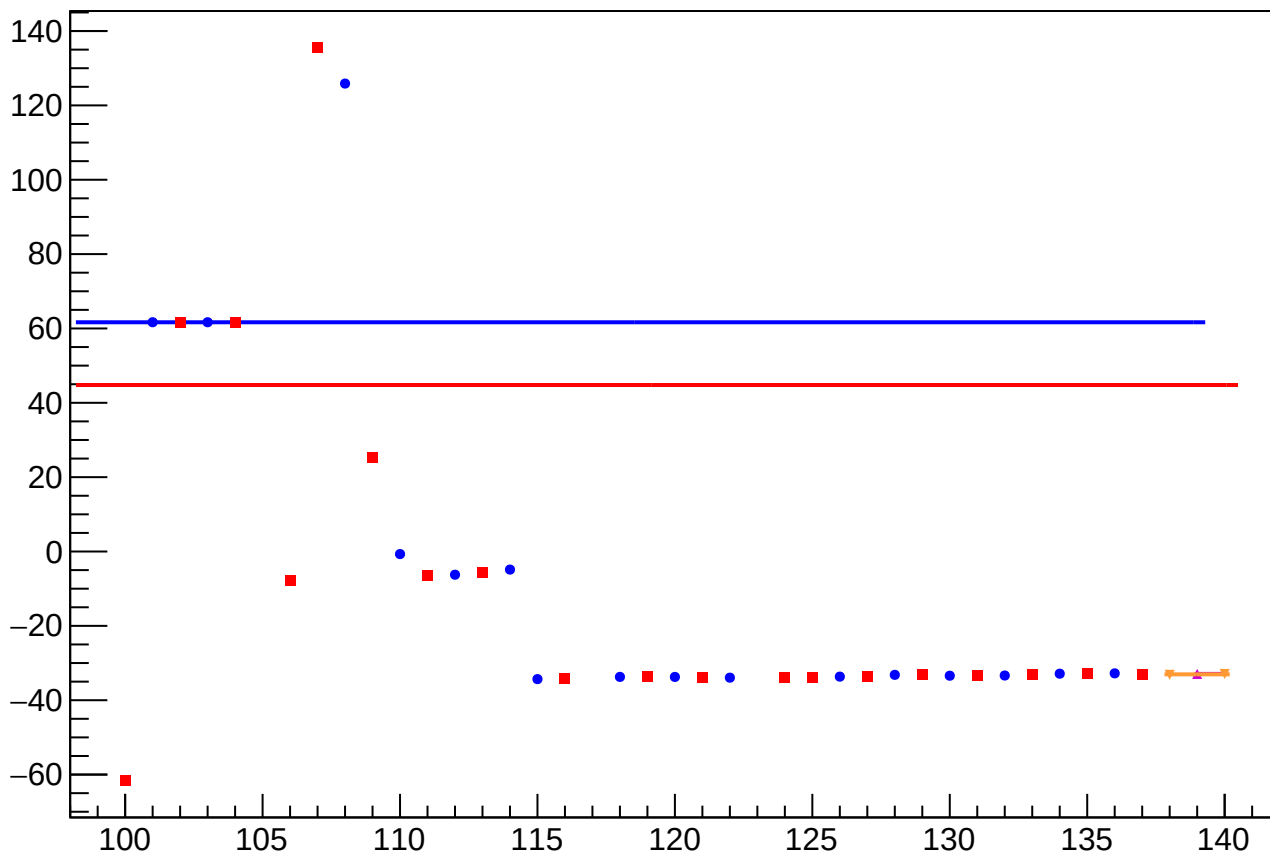
Left In: 0.905+/-0.001 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 11640200.6/17

All: 0.001+/-0.000 χ^2/NDF : 22658272.3/37

- sign 0.001+/-0.000 χ^2/NDF : 11018053.8/19

yield_cav4dY_mean vs Slug



Right In: 61.662 $\pm$ 0.000 χ^2 /NDF: 369463062074.0/15

Left Out: -33.039 $\pm$ 0.000 χ^2 /NDF:179514.5/1

Right Out: 44.786 $\pm$ 0.000 χ^2 /NDF: 366094778229951.8/18

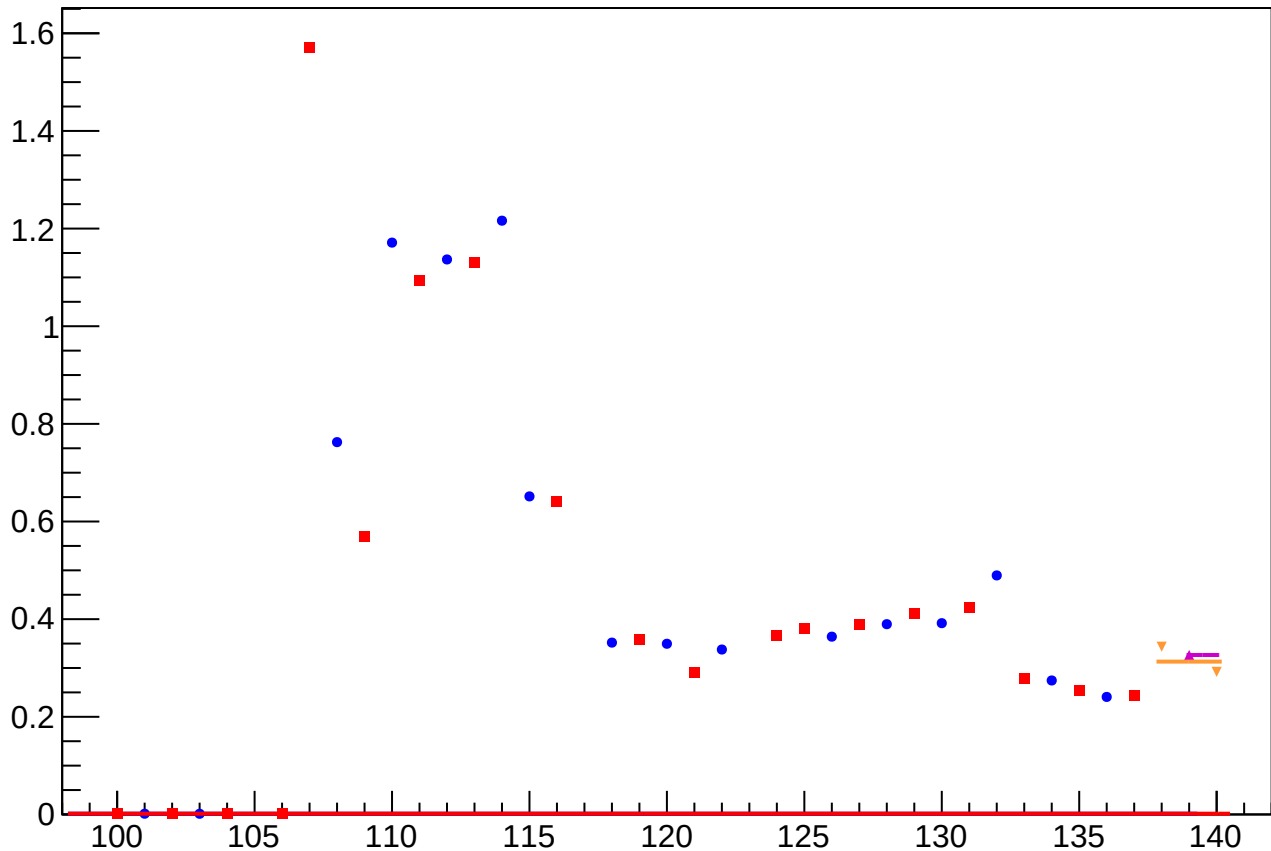
Left In: -32.920 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 61.658 $\pm$ 0.000 χ^2 /NDF: 507817184842.9/17

All: 52.686 $\pm$ 0.000 χ^2 /NDF: 4177374835482

- sign 44.784 $\pm$ 0.000 χ^2 /NDF: 366140936110855.8

yield_cav4dY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 11024564.1/15

Left Out: 0.313 $\pm$ 0.000 χ^2 /NDF:19766.2/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 10559220.1/18

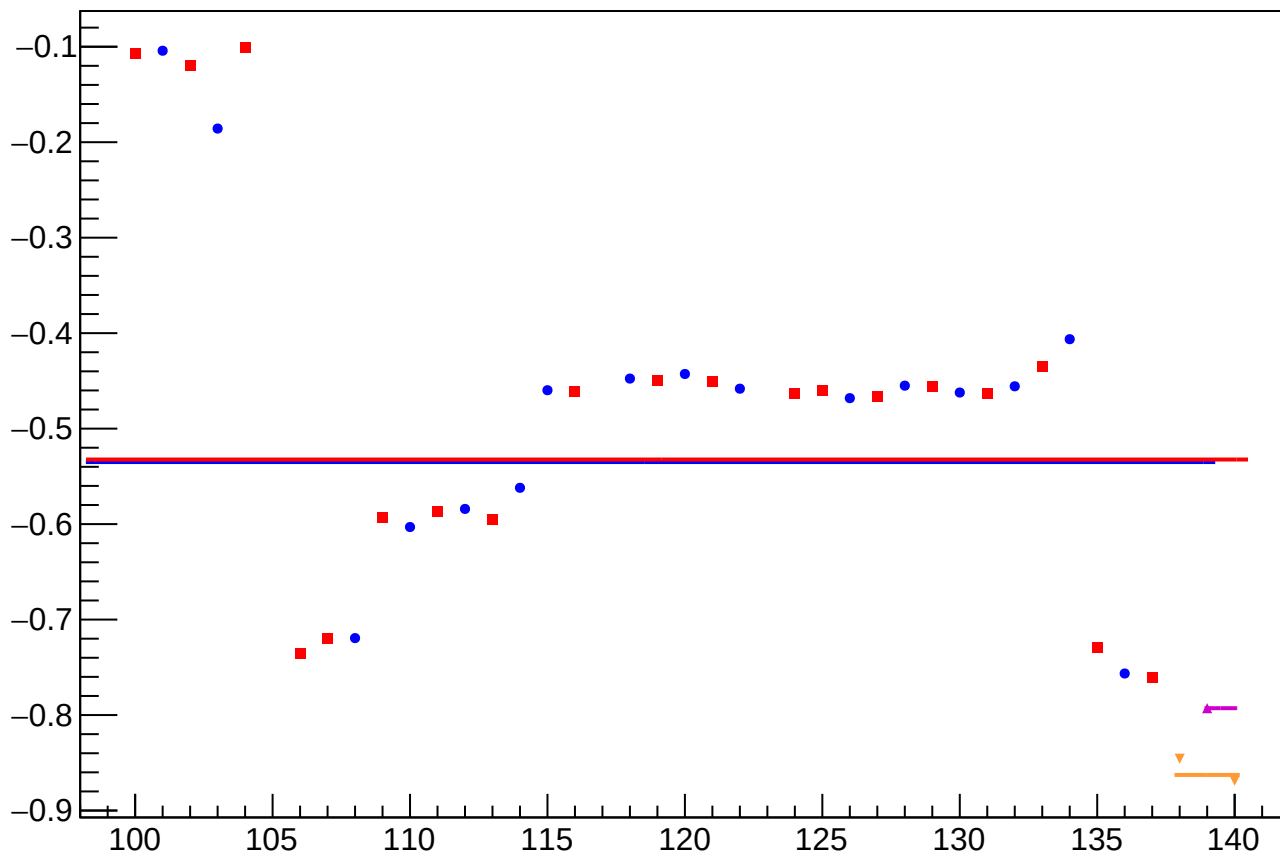
Left In: 0.327 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14038763.7/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 26213730.1/37

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12174921.8/19

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2 /NDF: 300846309.5/15

Left Out: -0.863+/-0.000 χ^2 /NDF: 292446.1/1

Right Out: -0.532+/-0.000 χ^2 /NDF: 214124648.5/18

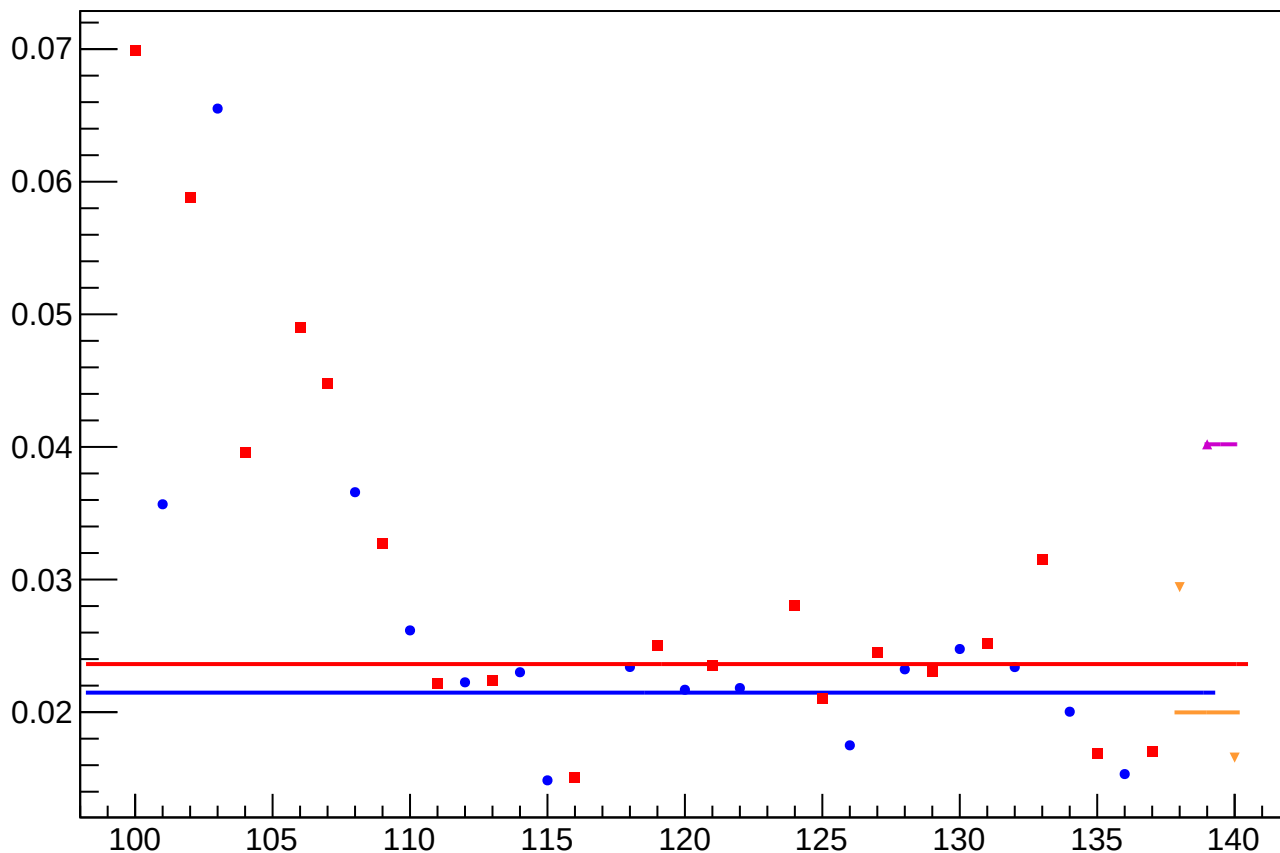
Left In: -0.793+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.599+/-0.000 χ^2 /NDF: 544570452.6/17

All: -0.576+/-0.000 χ^2 /NDF: 809772087.9/37

- sign -0.545+/-0.000 χ^2 /NDF: 247693654.5/19

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 1153987.6/15

Left Out: 0.020+/-0.000 χ^2/NDF : 181373.2/1

Right Out: 0.024+/-0.000 χ^2/NDF : 1277268.6/18

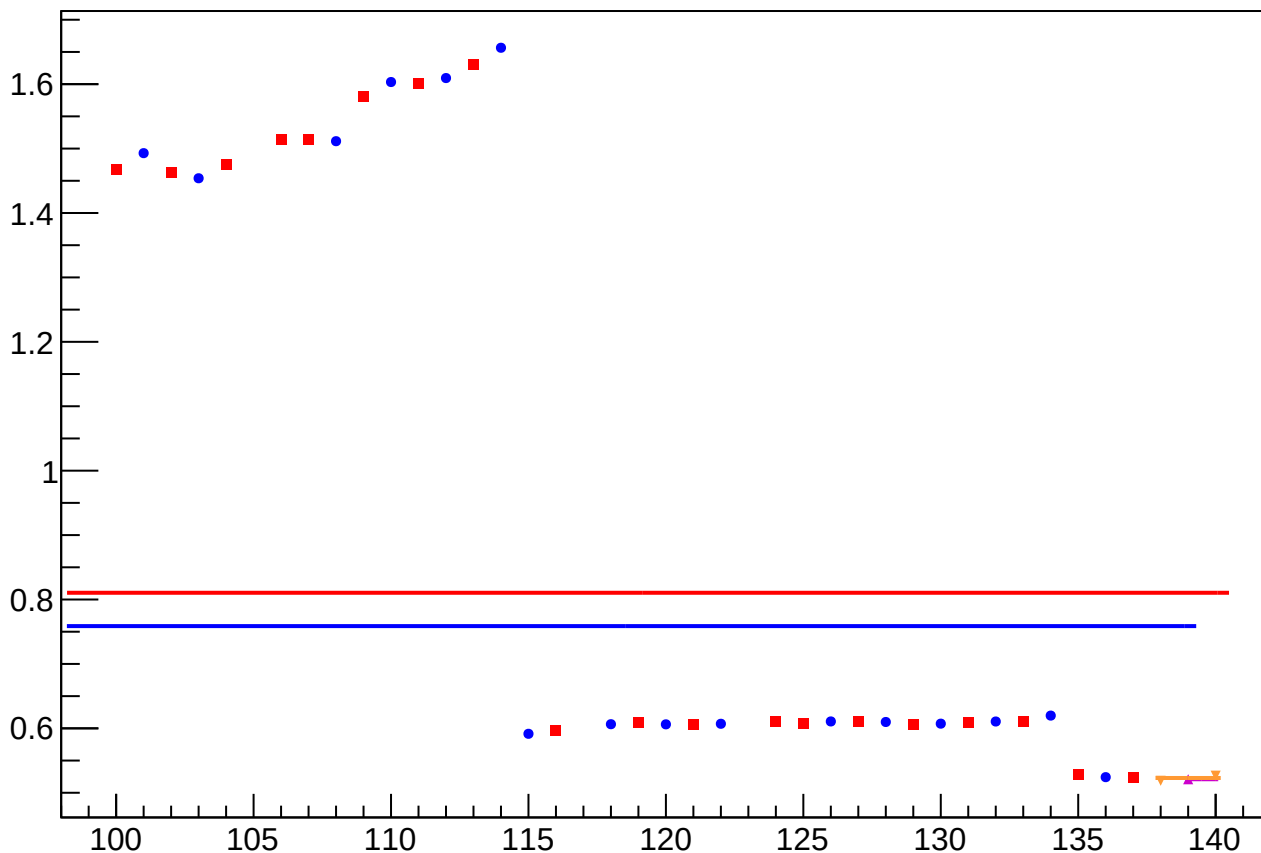
Left In: 0.040+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.021+/-0.000 χ^2/NDF : 1345424.7/17

All: 0.023+/-0.000 χ^2/NDF : 3024221.3/37

- sign 0.024+/-0.000 χ^2/NDF : 1549098.5/19

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF : 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF :181057.7/1

Right Out: 0.810+/-0.000 χ^2/NDF : 4769381416.8/18

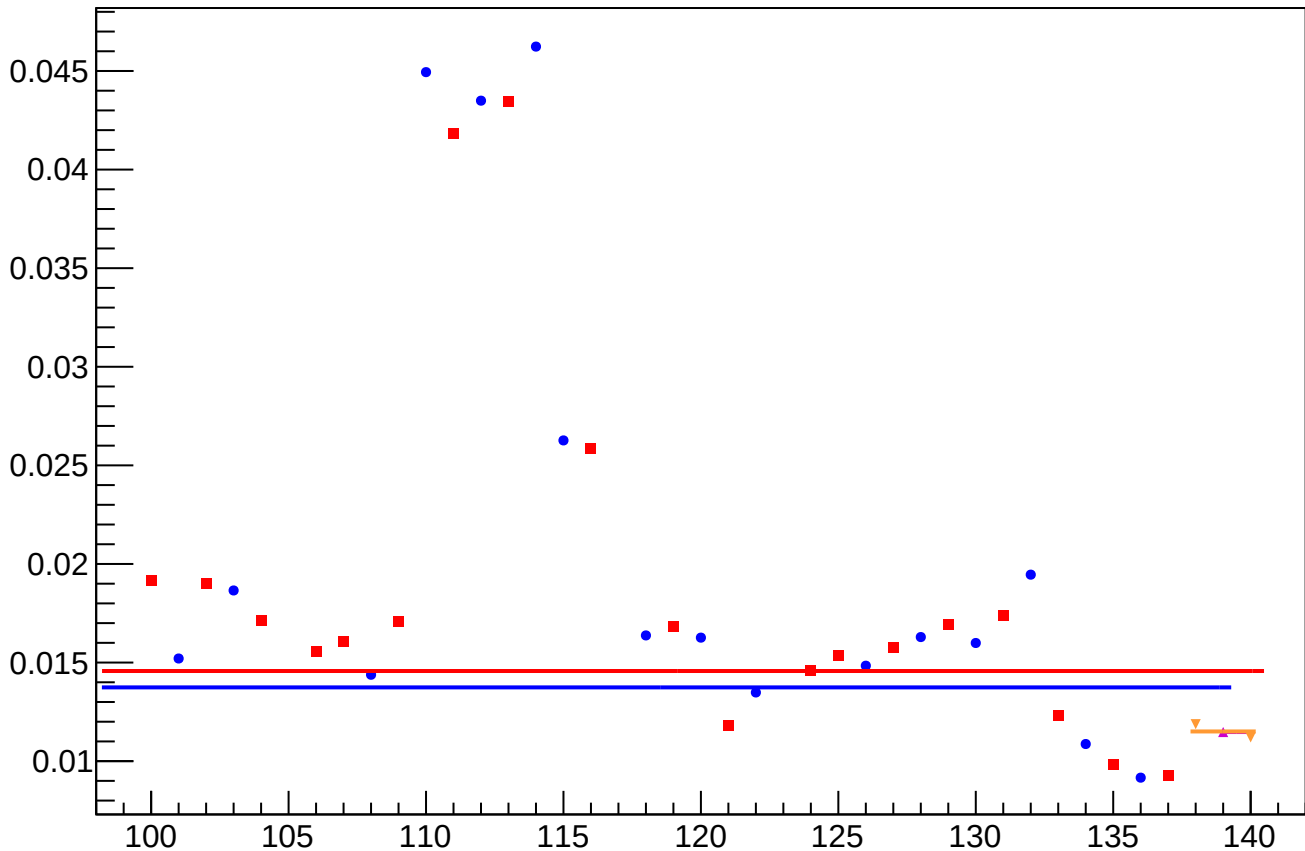
Left In: 0.521+/-0.000 χ^2/NDF :0.0/0

+ sign 0.695+/-0.000 χ^2/NDF : 4776140842.9/17

All: 0.724+/-0.000 χ^2/NDF : 10060219385.7/3

- sign 0.759+/-0.000 χ^2/NDF : 5203764267.7/19

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1649769.2/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2599.3/1

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1455054.4/18

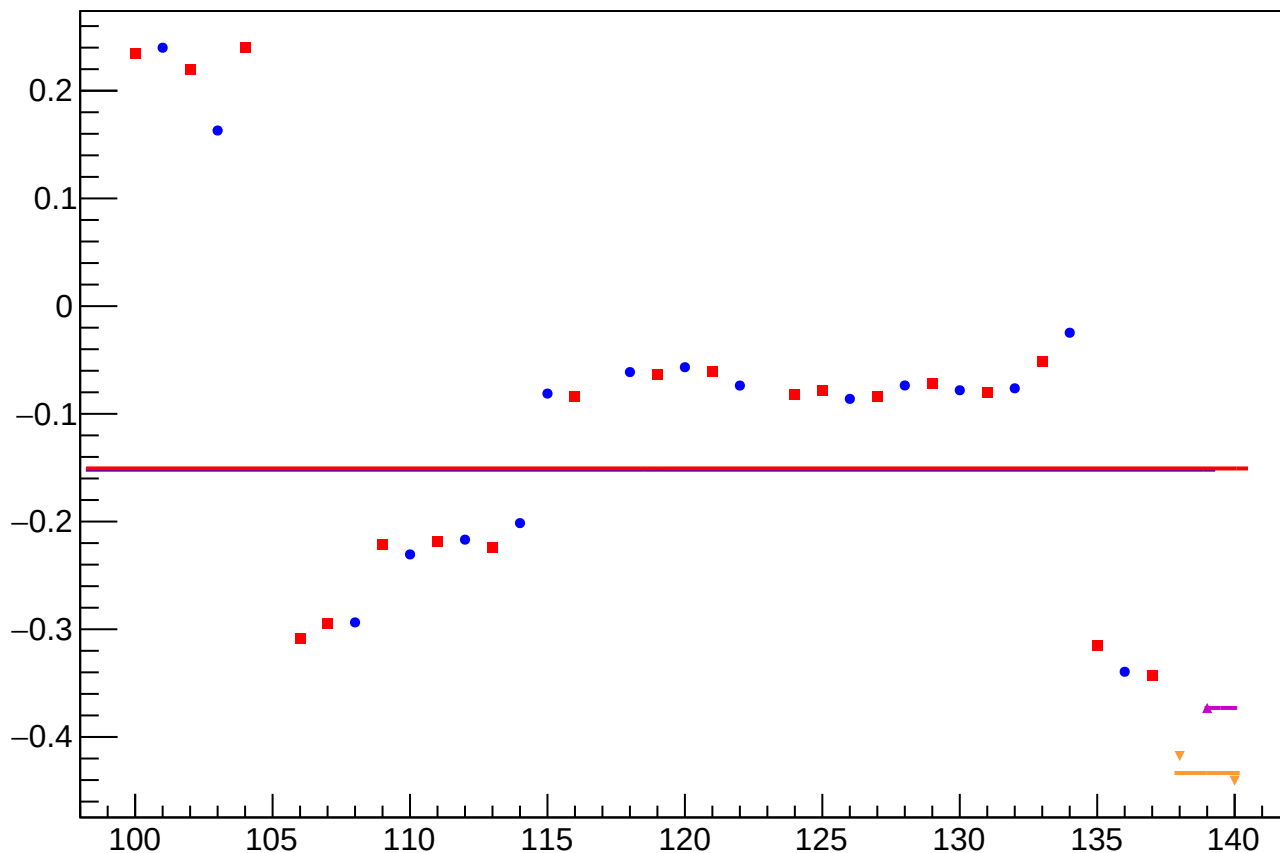
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1737126.7/17

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 3322157.2/37

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1554362.1/19

yield_bpm4eX_mean vs Slug



Right In: -0.152 ± 0.000 χ^2/NDF : 276791709.3/15

Left Out: -0.433 ± 0.000 χ^2/NDF : 298684.4/1

Right Out: -0.151 ± 0.000 χ^2/NDF : 199410234.4/18

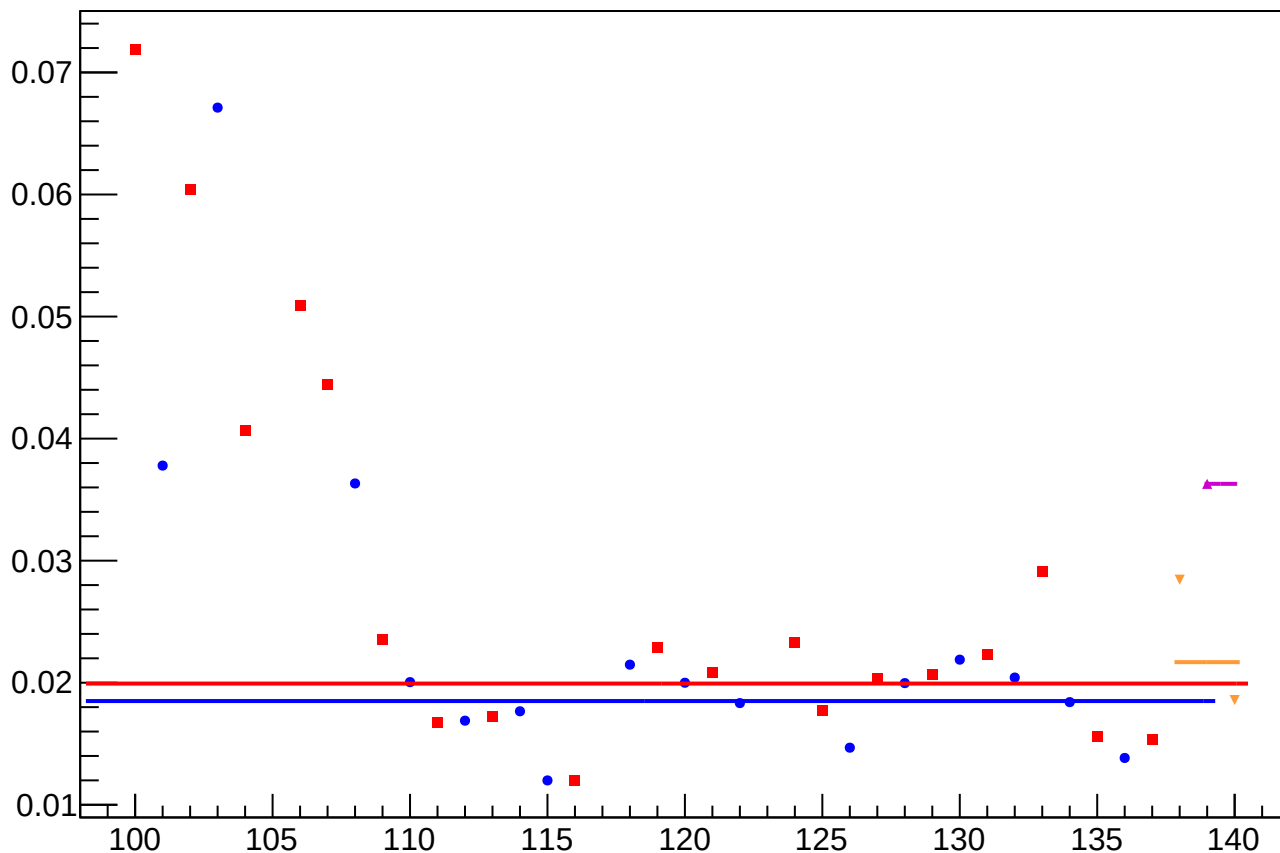
Left In: -0.373 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.193 ± 0.000 χ^2/NDF : 455167361.4/17

All: -0.179 ± 0.000 χ^2/NDF : 693007756.7/37

- sign -0.161 ± 0.000 χ^2/NDF : 229542384.9/19

yield_bpm4eX_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 1372359.1/15

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF:110258.8/1

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1547561.3/18

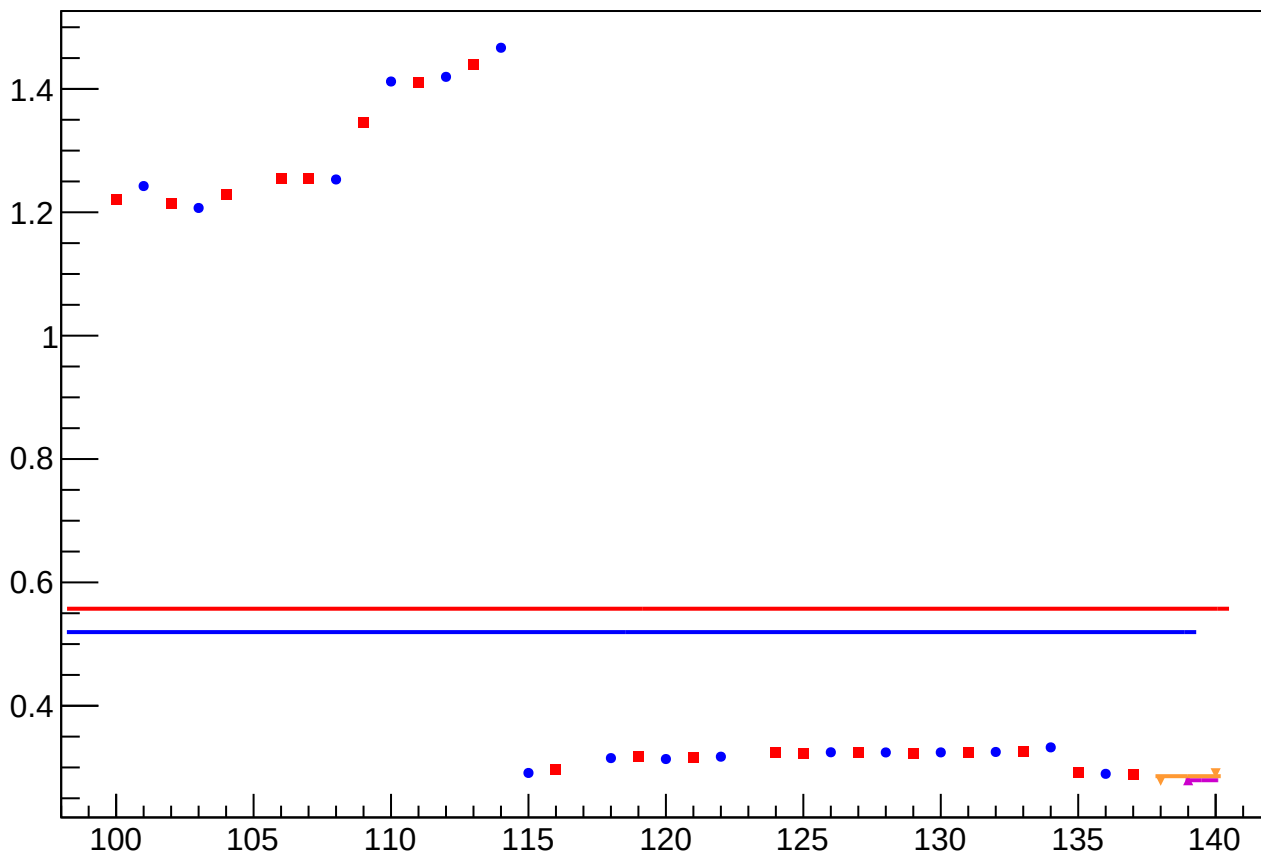
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1528261.9/17

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3448203.5/37

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1873974.9/19

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF : 6319132275.3/15

Left Out: 0.286+/-0.000 χ^2/NDF : 368988.7/1

Right Out: 0.557+/-0.000 χ^2/NDF : 6746144835.5/18

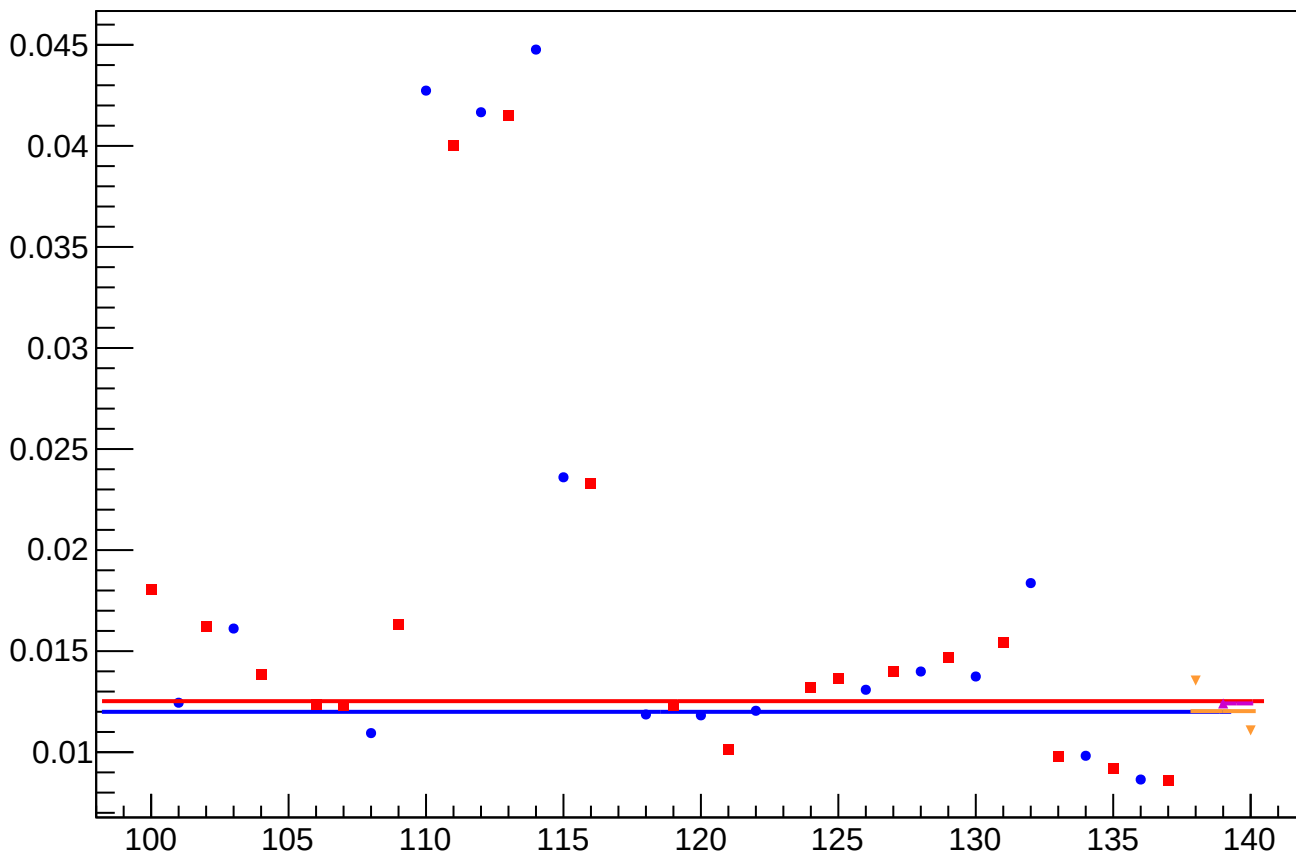
Left In: 0.279+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.472+/-0.000 χ^2/NDF : 6776915120.5/17

All: 0.496+/-0.000 χ^2/NDF : 13948916145.0/3

- sign 0.524+/-0.000 χ^2/NDF : 7107630799.2/19

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1491608.2/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:30339.0/1

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1434210.5/18

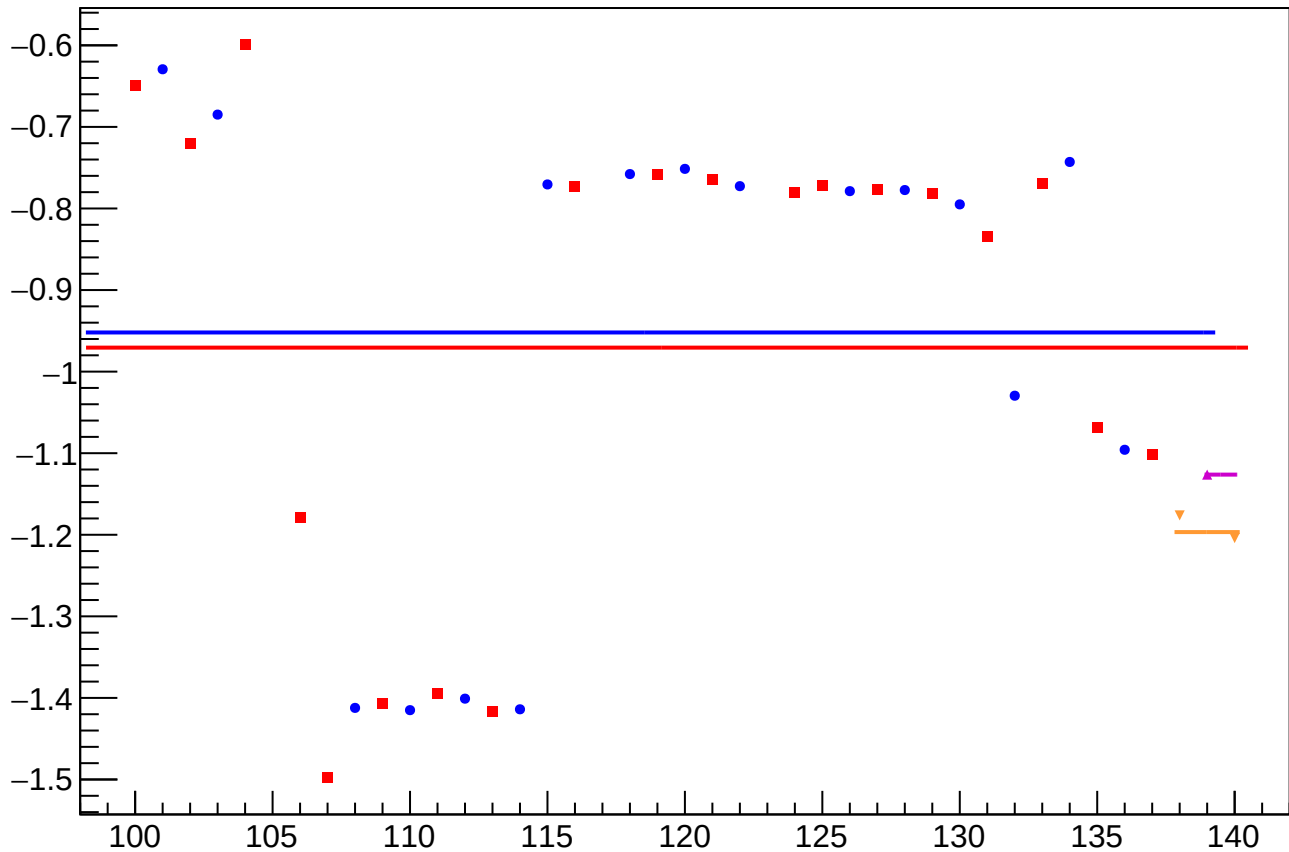
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1521967.6/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2968618.6/37

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1434329.7/19

yield_bpm4acX_mean vs Slug



Right In: -0.952 ± 0.000 χ^2/NDF : 699468857.6/15

Left Out: -1.197 ± 0.000 χ^2/NDF : 446928.5/1

Right Out: -0.971 ± 0.000 χ^2/NDF : 714505458.0/18

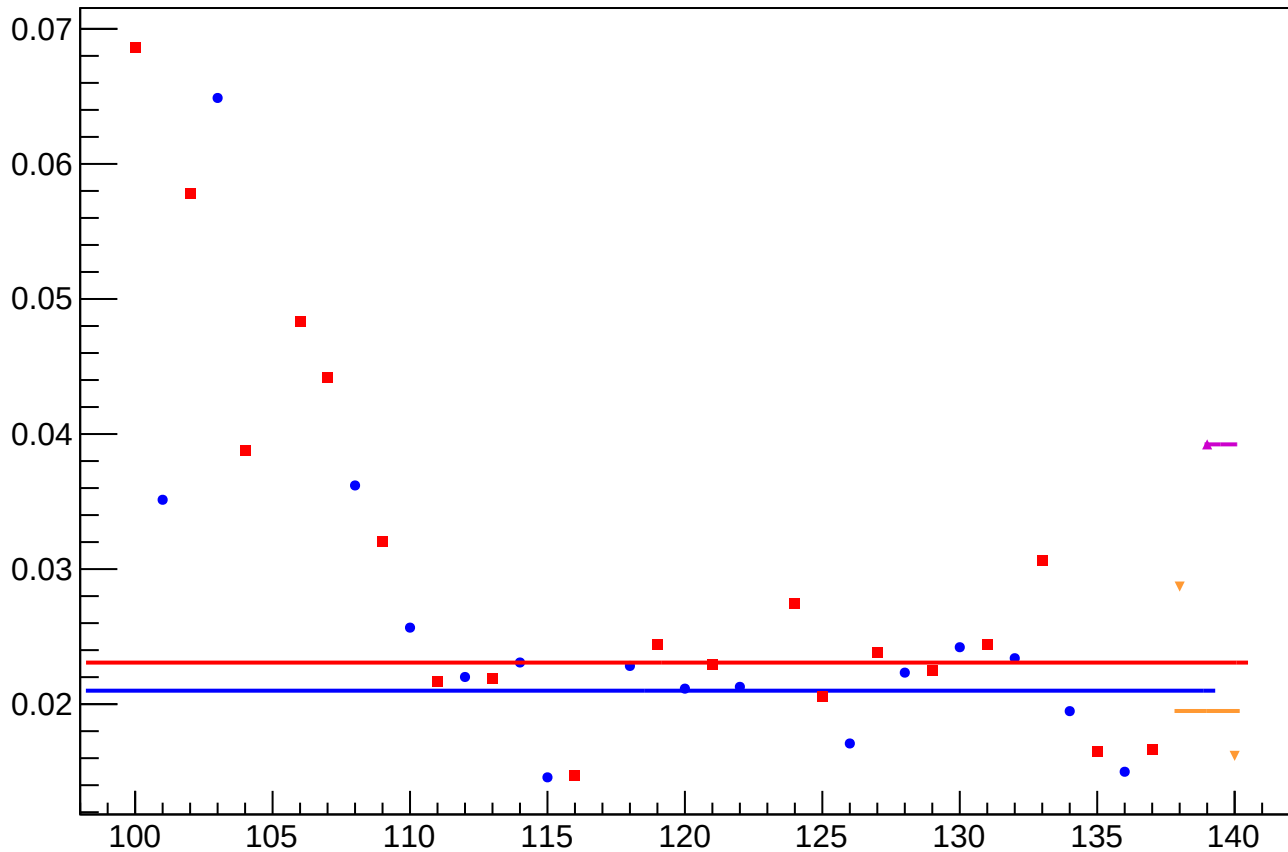
Left In: -1.126 ± 0.000 χ^2/NDF : 0.0/0

+ sign -1.000 ± 0.000 χ^2/NDF : 842467289.6/17

All: -0.991 ± 0.000 χ^2/NDF : 1572544713.8/3

- sign -0.978 ± 0.000 χ^2/NDF : 727090991.6/19

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF : 181309.6/1

Right Out: 0.023+/-0.000 χ^2/NDF : 1281311.4/18

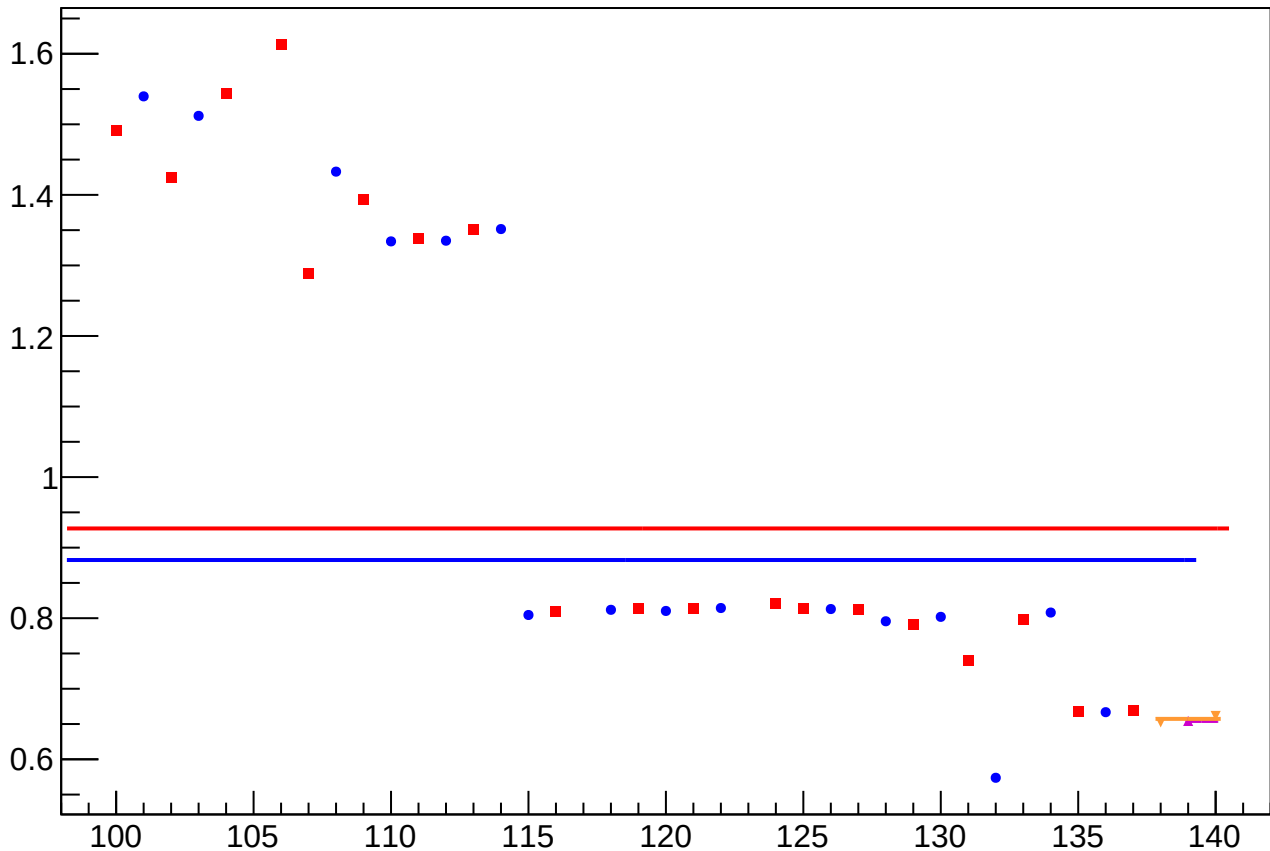
Left In: 0.039+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.021+/-0.000 χ^2/NDF : 1359057.0/17

All: 0.022+/-0.000 χ^2/NDF : 3039972.2/37

- sign 0.024+/-0.000 χ^2/NDF : 1552419.4/19

yield_bpm4acY_mean vs Slug



Right In: 0.882 $\pm$ 0.000 χ^2 /NDF: 2784156746.4/15

Left Out: 0.657 $\pm$ 0.000 χ^2 /NDF:240535.8/1

+ sign 0.821 $\pm$ 0.000 χ^2 /NDF: 3210004805.5/17

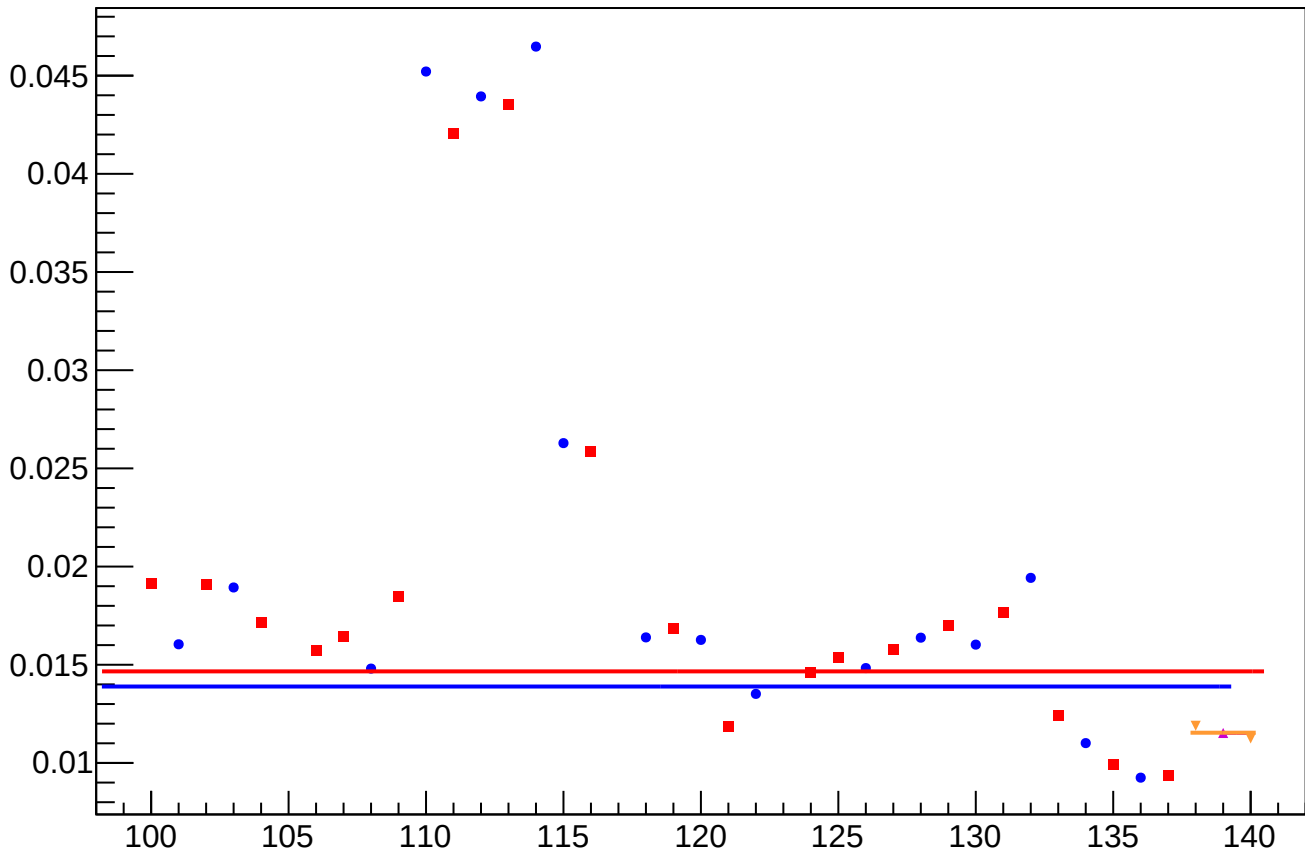
Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 2762998321.3/18

All: 0.847 $\pm$ 0.000 χ^2 /NDF: 6418867272.8/37

- sign 0.879 $\pm$ 0.000 χ^2 /NDF: 3144866322.4/19

Left In: 0.654 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF :2387.2/1

Right Out: 0.015+/-0.000 χ^2/NDF : 1467025.6/18

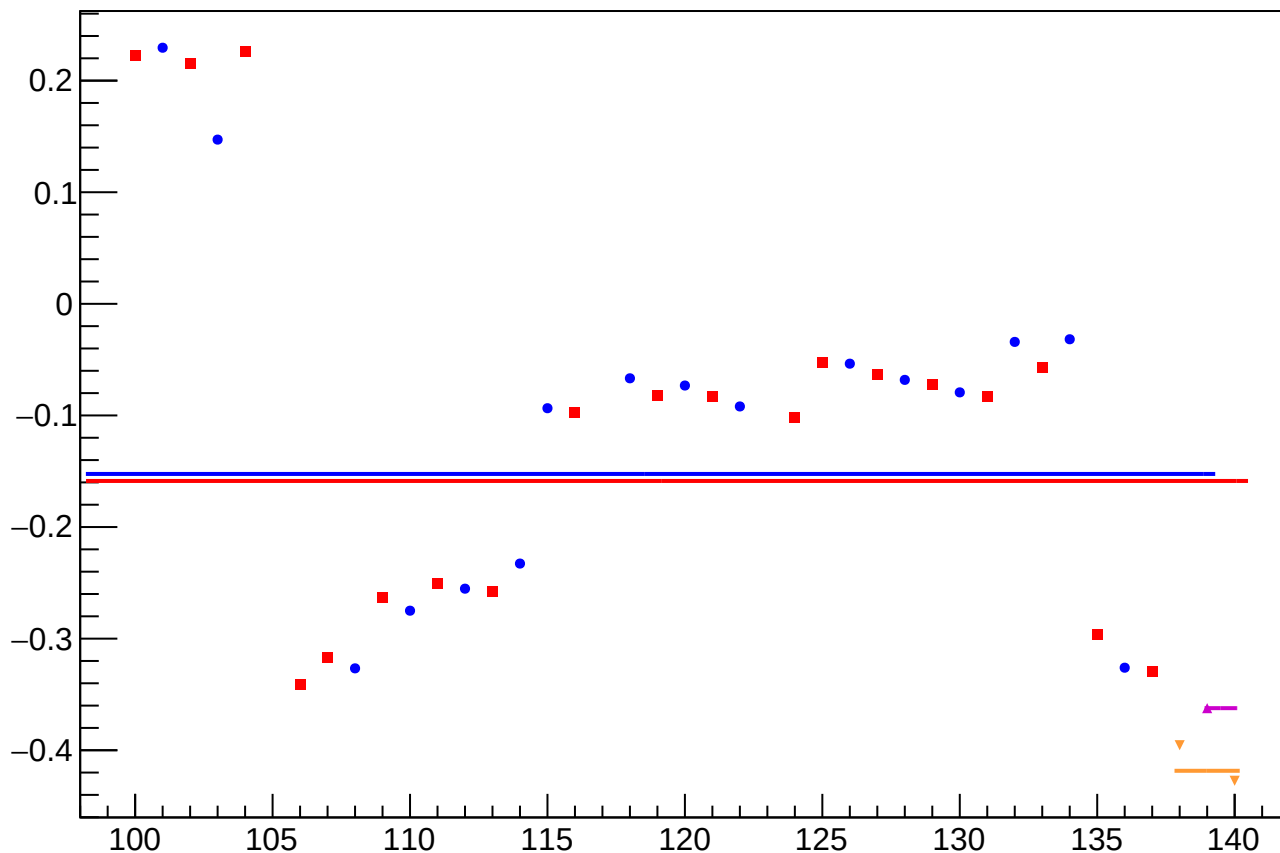
Left In: 0.012+/-0.000 χ^2/NDF :0.0/0

+ sign 0.013+/-0.000 χ^2/NDF : 1741990.1/17

All: 0.014+/-0.000 χ^2/NDF : 3338098.7/37

- sign 0.014+/-0.000 χ^2/NDF : 1567976.8/19

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF : 274261842.6/15

Left Out: -0.418+/-0.000 χ^2/NDF : 586274.1/1

Right Out: -0.159+/-0.000 χ^2/NDF : 195614120.0/18

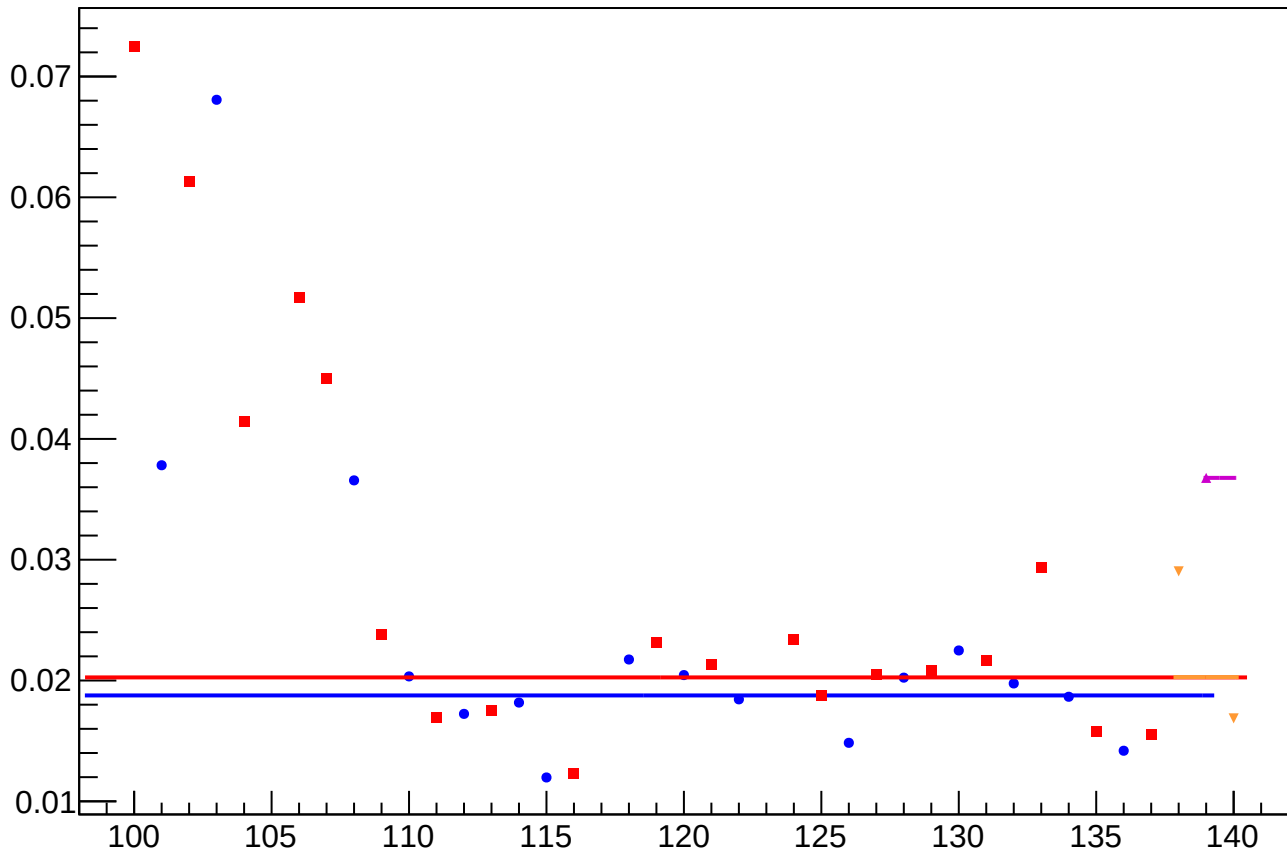
Left In: -0.362+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.195+/-0.000 χ^2/NDF : 444775662.6/17

All: -0.183+/-0.000 χ^2/NDF : 670743128.4/37

- sign -0.168+/-0.000 χ^2/NDF : 220176720.8/19

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1349412.3/15

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:171135.5/1

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1529624.9/18

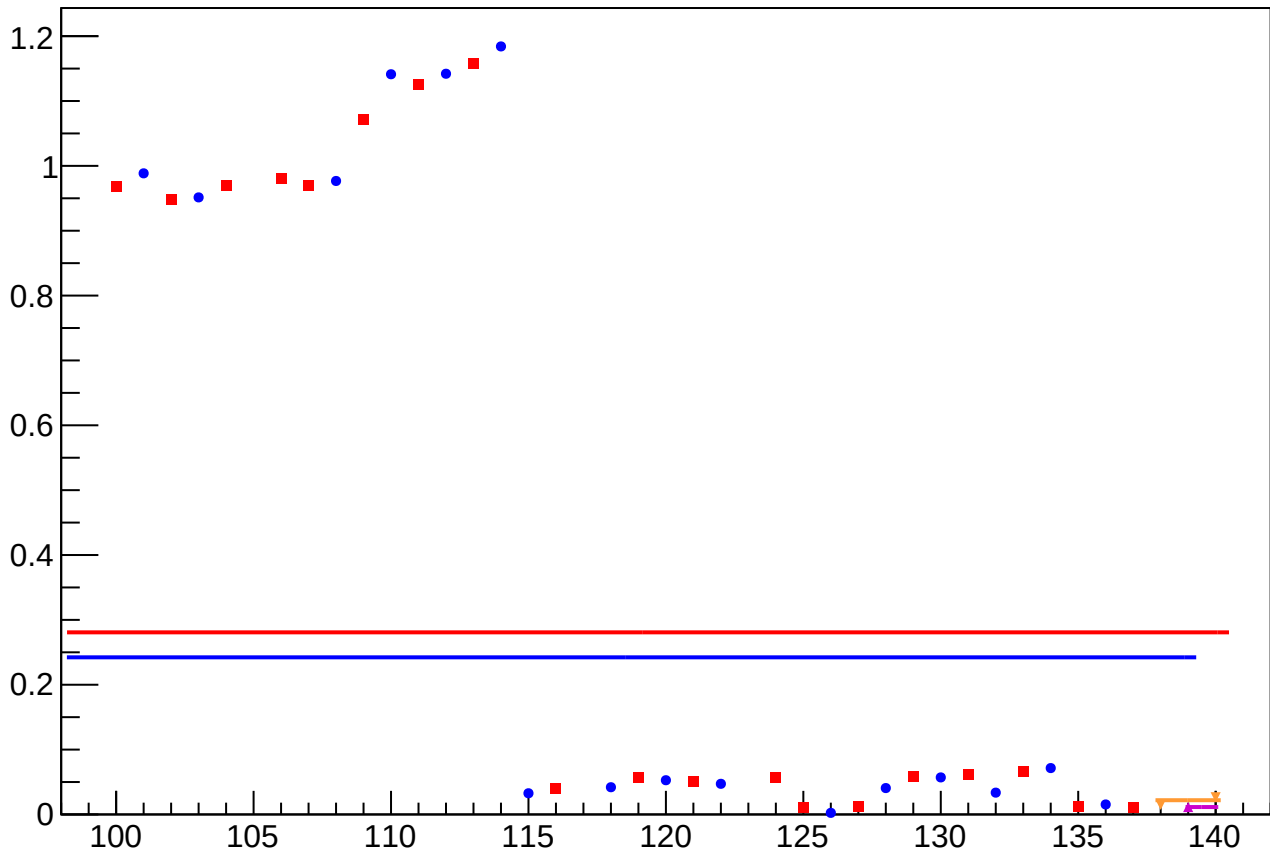
Left In: 0.037 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1531638.2/17

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3446326.0/37

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1853023.2/19

yield_bpm4ecY_mean vs Slug



Right In: 0.242 $\pm$ 0.000 χ^2 /NDF: 6507444426.7/15

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF:384929.7/1

Right Out: 0.281 $\pm$ 0.000 χ^2 /NDF: 6757631639.3/18

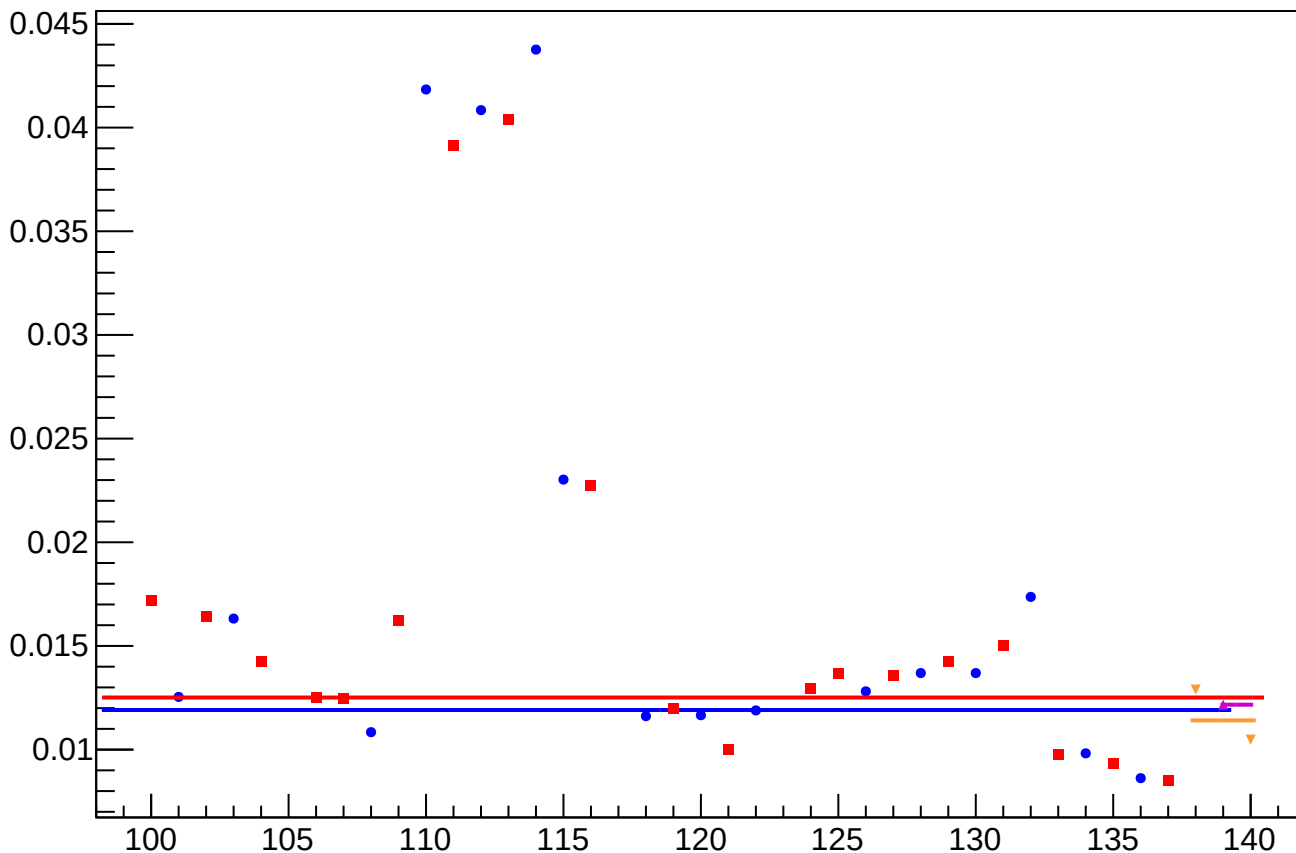
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.195 $\pm$ 0.000 χ^2 /NDF: 6950290805.6/17

All: 0.219 $\pm$ 0.000 χ^2 /NDF: 14127517566.9/3

- sign 0.247 $\pm$ 0.000 χ^2 /NDF: 7108853589.5/19

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1459428.8/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:32122.2/1

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1392455.1/18

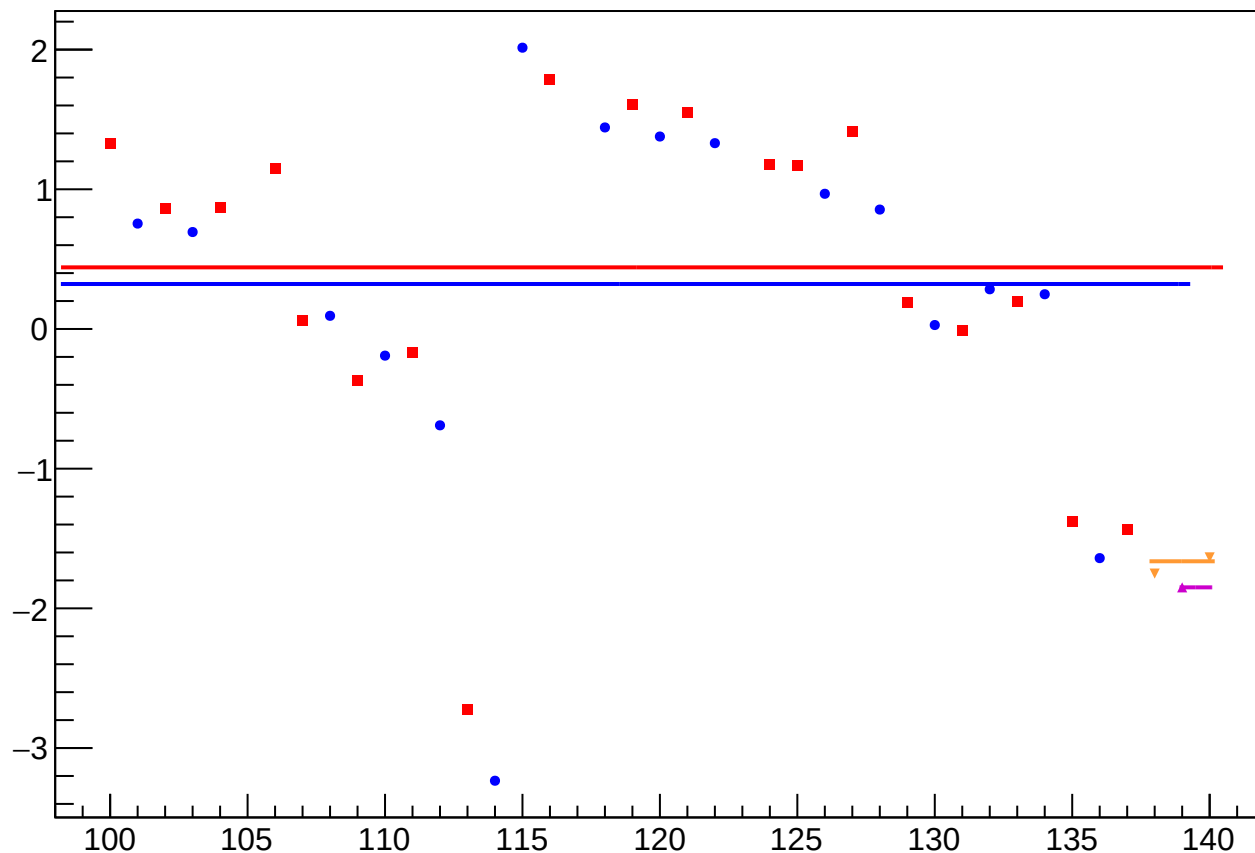
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1496113.0/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2911499.1/37

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1393616.7/19

yield_bpm1X_mean vs Slug



Right In: 0.322 ± 0.000 χ^2/NDF : 1664983742.5/15

Left Out: -1.663 ± 0.000 χ^2/NDF : 420930.4/1

Right Out: 0.441 ± 0.000 χ^2/NDF : 1796703168.4/18

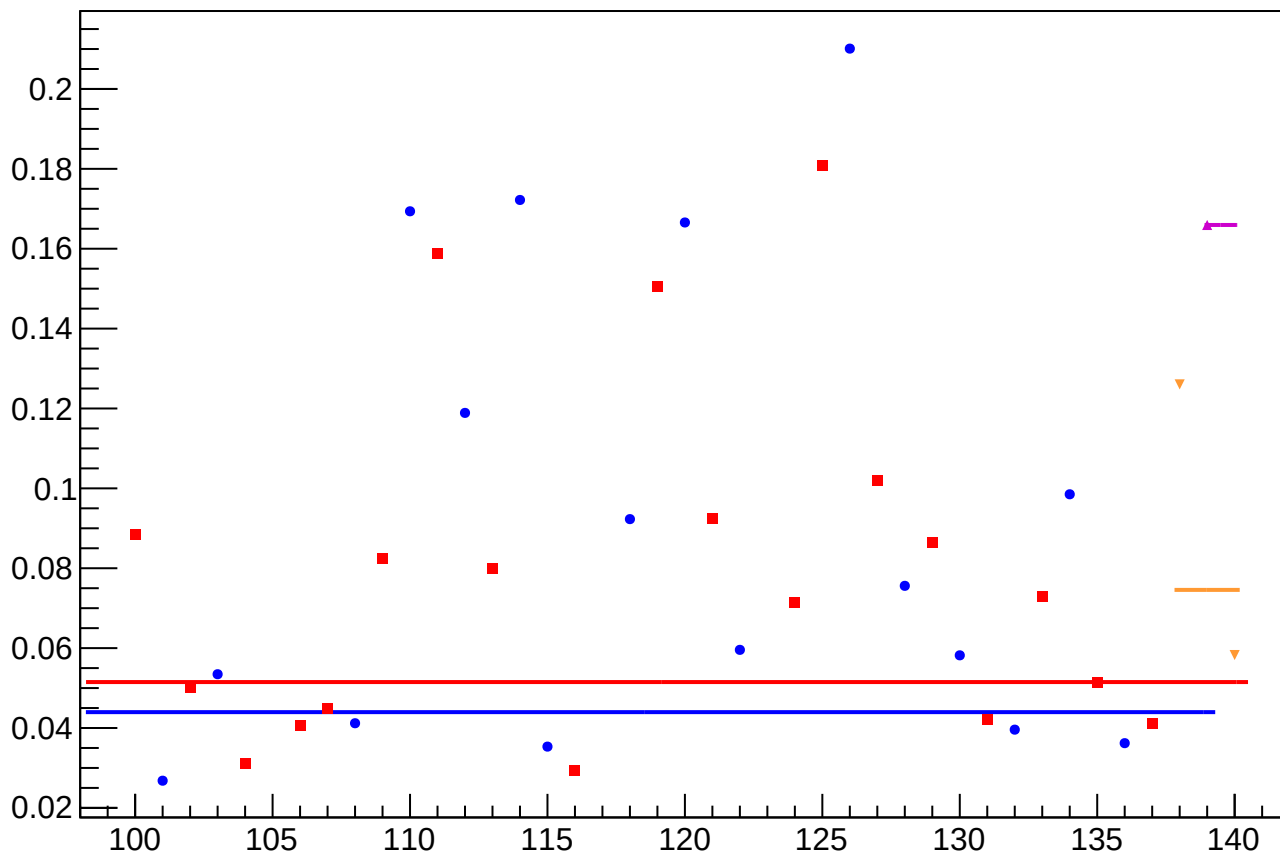
Left In: -1.850 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.164 ± 0.000 χ^2/NDF : 2285826900.3/17

All: 0.268 ± 0.000 χ^2/NDF : 4284081278.5/37

- sign 0.402 ± 0.000 χ^2/NDF : 1945163985.8/19

yield_bpm1X_rms vs Slug



Right In: 0.044 $\pm$ 0.000 χ^2 /NDF: 2787474.8/15

Left Out: 0.075 $\pm$ 0.000 χ^2 /NDF:287072.9/1

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 2367478.8/18

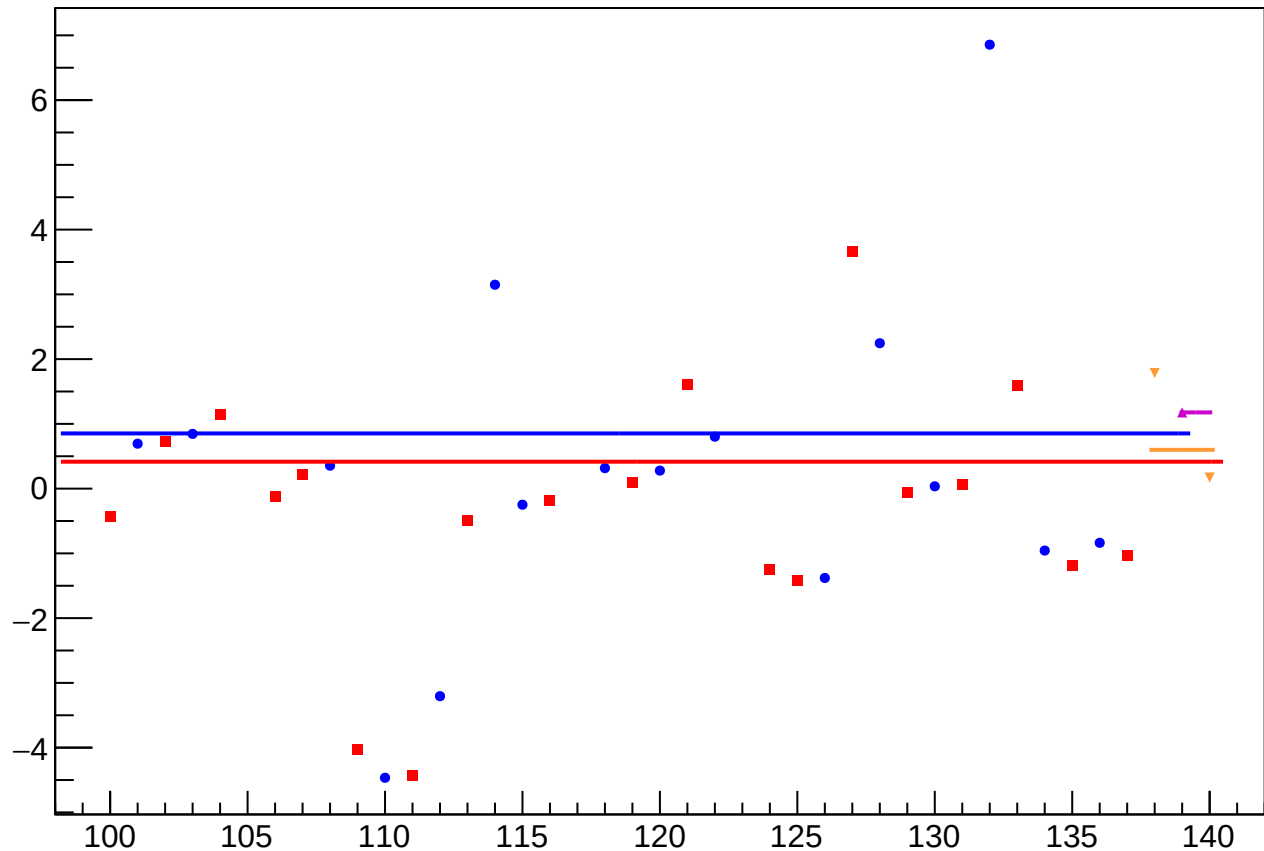
Left In: 0.166 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 3369571.1/17

All: 0.049 $\pm$ 0.000 χ^2 /NDF: 6572303.4/37

- sign 0.053 $\pm$ 0.000 χ^2 /NDF: 3108511.7/19

yield_bpm1Y_mean vs Slug



Right In: 0.852 $\pm$ 0.000 χ^2 /NDF: 11576037687.7/15

Left Out: 0.599 $\pm$ 0.000 χ^2 /NDF:137108523.6/1

Right Out: 0.416 $\pm$ 0.000 χ^2 /NDF: 5121892038.7/18

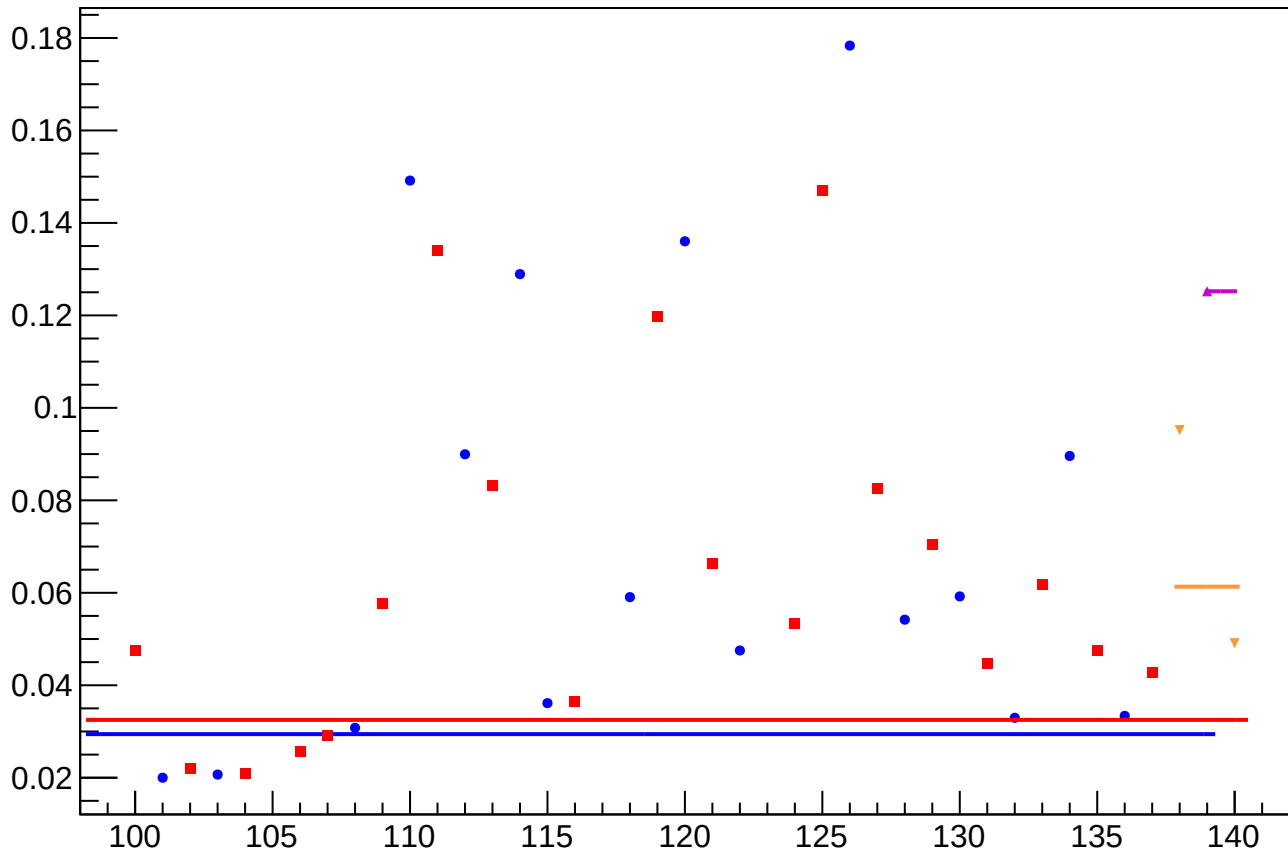
Left In: 1.177 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.837 $\pm$ 0.000 χ^2 /NDF: 11729410729.0/17

All: 0.645 $\pm$ 0.000 χ^2 /NDF: 17237783571.4/3

- sign 0.425 $\pm$ 0.000 χ^2 /NDF: 5150237028.8/19

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 3192424.8/15

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:223447.4/1

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3315430.7/18

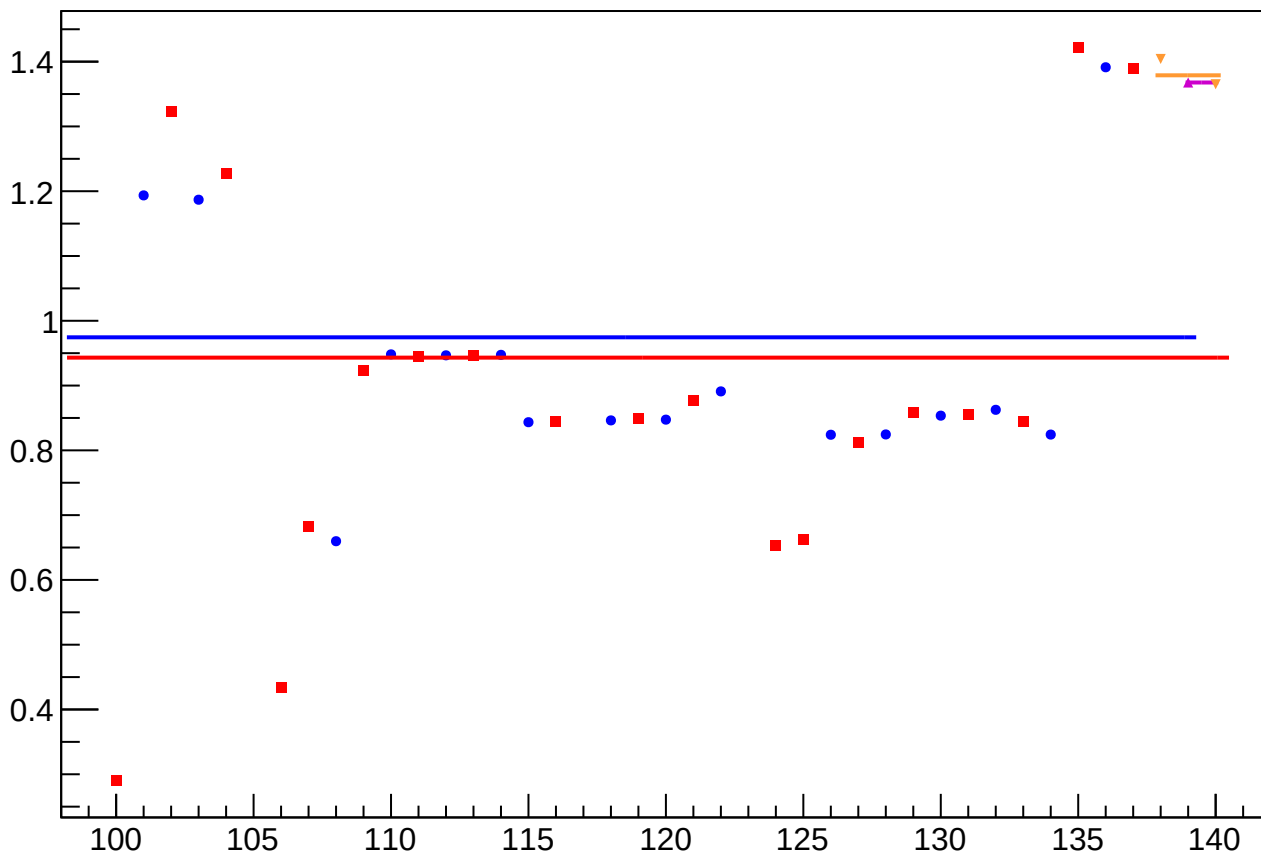
Left In: 0.125 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 3932156.7/17

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 8112052.9/37

- sign 0.034 $\pm$ 0.000 χ^2 /NDF: 4156597.5/19

yield_bpm11X_mean vs Slug



Right In: 0.974 $\pm$ 0.000 χ^2 /NDF: 1458735246.5/15

Left Out: 1.379 $\pm$ 0.000 χ^2 /NDF: 2572705.3/1

Right Out: 0.943 $\pm$ 0.000 χ^2 /NDF: 1670579900.3/18

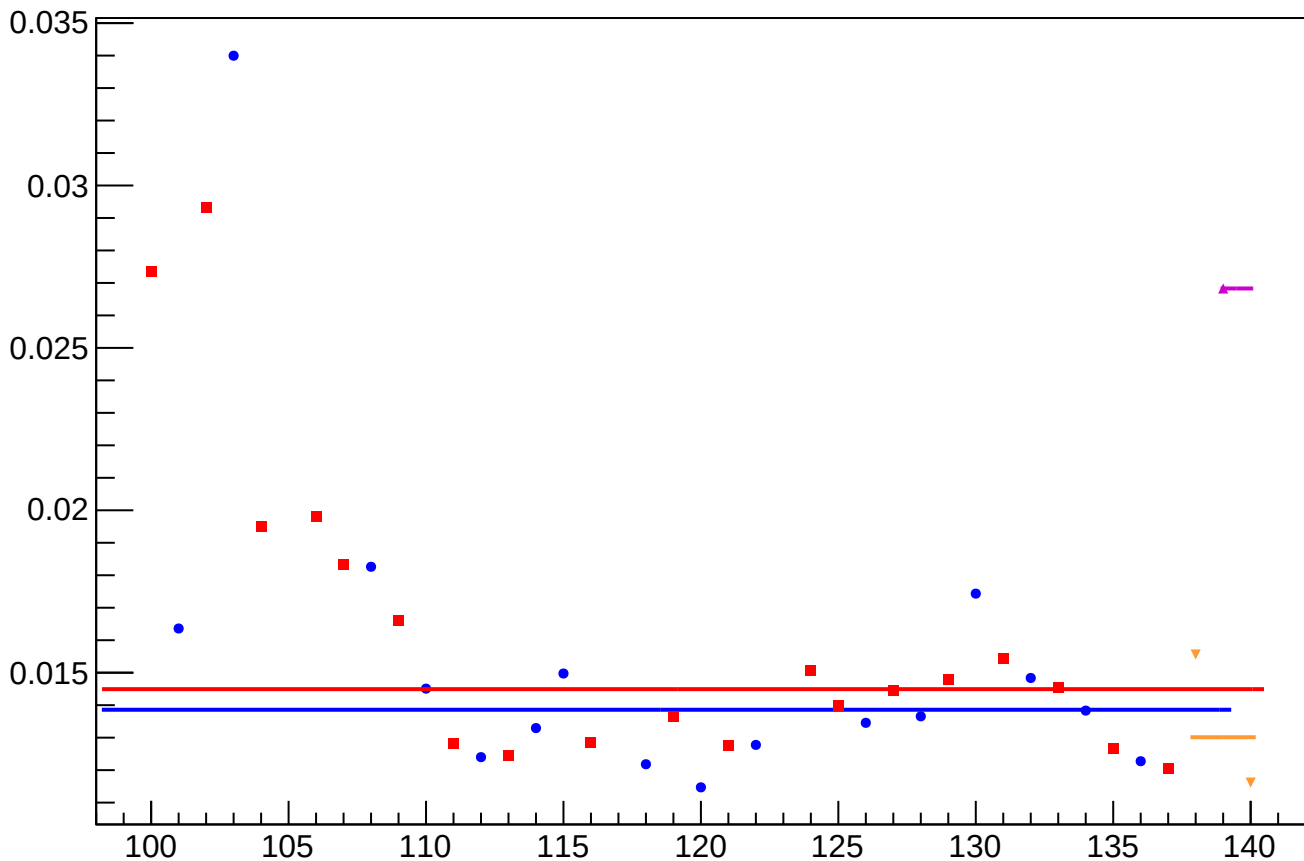
Left In: 1.368 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 1.050 $\pm$ 0.000 χ^2 /NDF: 2443921173.1/17

All: 1.009 $\pm$ 0.000 χ^2 /NDF: 4457012304.2/37

- sign 0.958 $\pm$ 0.000 χ^2 /NDF: 1866086911.4/19

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF : 52462.2/1

Right Out: 0.014+/-0.000 χ^2/NDF : 544337.7/18

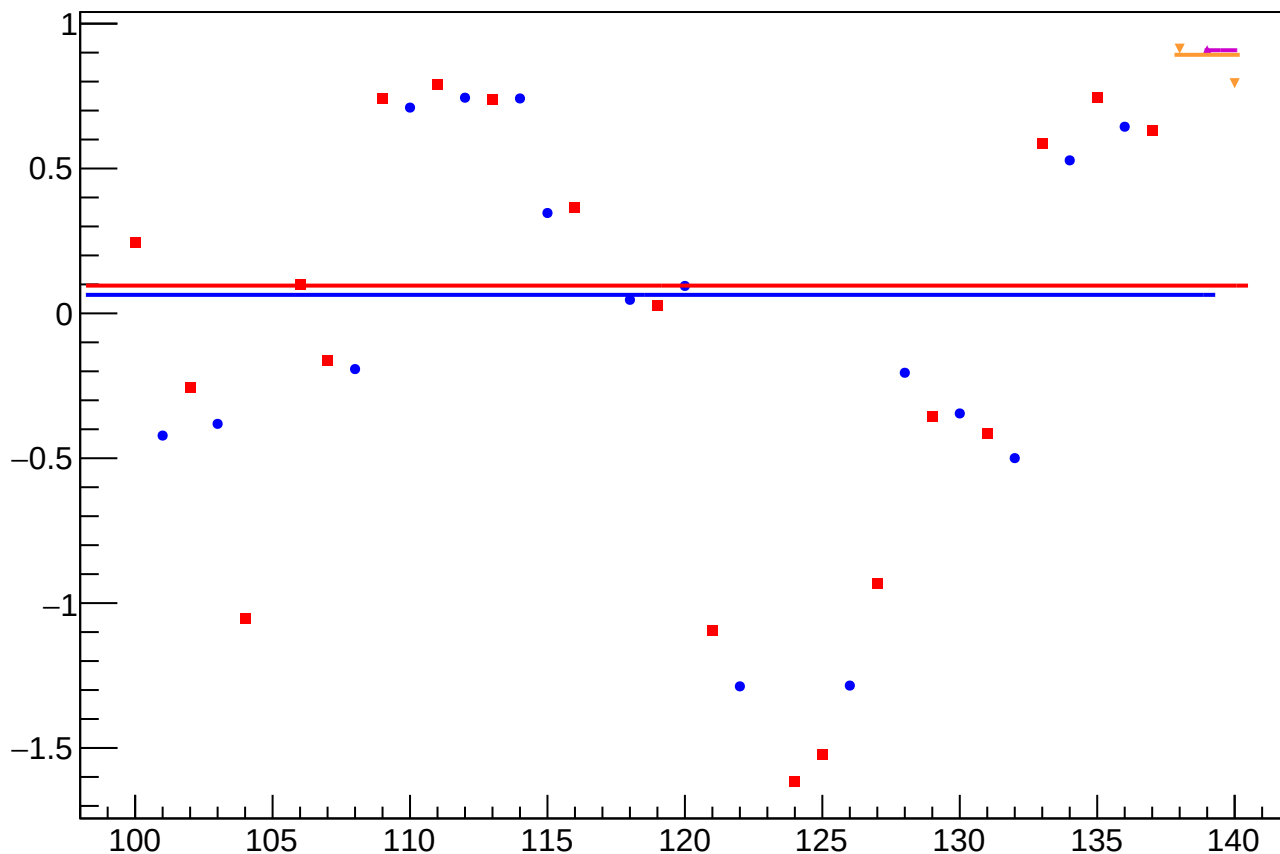
Left In: 0.027+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.014+/-0.000 χ^2/NDF : 661043.7/17

All: 0.014+/-0.000 χ^2/NDF : 1588532.2/37

- sign 0.015+/-0.000 χ^2/NDF : 874264.2/19

yield_bpm11Y_mean vs Slug



Right In: 0.064 $\pm$ 0.000 χ^2 /NDF: 11035911379.4/15

Left Out: 0.892 $\pm$ 0.000 χ^2 /NDF: 48688868.6/1

Right Out: 0.096 $\pm$ 0.000 χ^2 /NDF: 17784850774.3/18

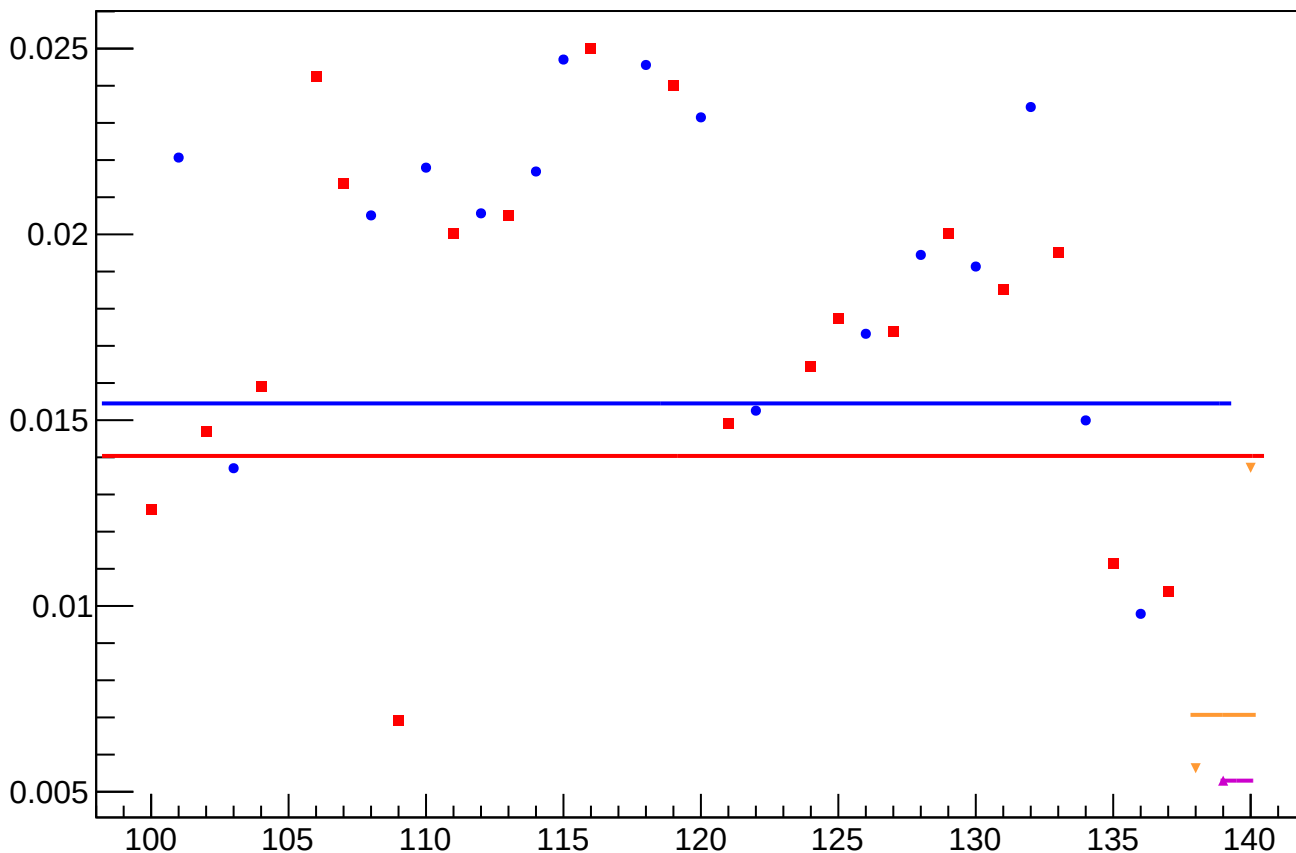
Left In: 0.908 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.464 $\pm$ 0.000 χ^2 /NDF: 19419547022.2/17

All: 0.479 $\pm$ 0.000 χ^2 /NDF: 46818381884.1/3

- sign 0.492 $\pm$ 0.000 χ^2 /NDF: 27378011685.0/19

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1293711.1/15

Left Out: 0.007+/-0.000 χ^2/NDF : 448199.5/1

Right Out: 0.014+/-0.000 χ^2/NDF : 1686554.4/18

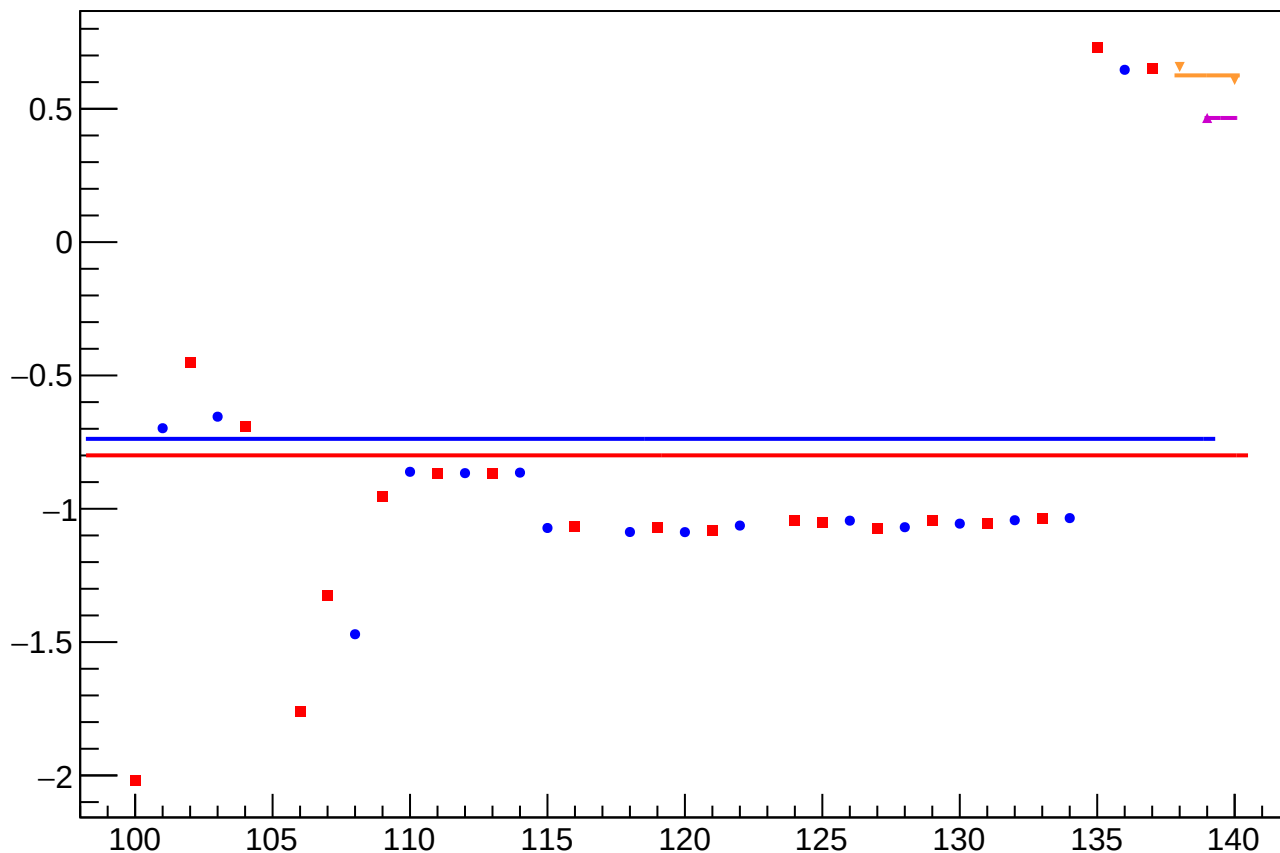
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.011+/-0.000 χ^2/NDF : 3447835.7/17

All: 0.011+/-0.000 χ^2/NDF : 7495185.4/37

- sign 0.010+/-0.000 χ^2/NDF : 3906977.3/19

yield_bpm12X_mean vs Slug



Right In: -0.738 ± 0.000 χ^2/NDF : 2072845802.4/15

Left Out: 0.625 ± 0.000 χ^2/NDF : 617269.1/1

Right Out: -0.800 ± 0.000 χ^2/NDF : 1883862445.0/18

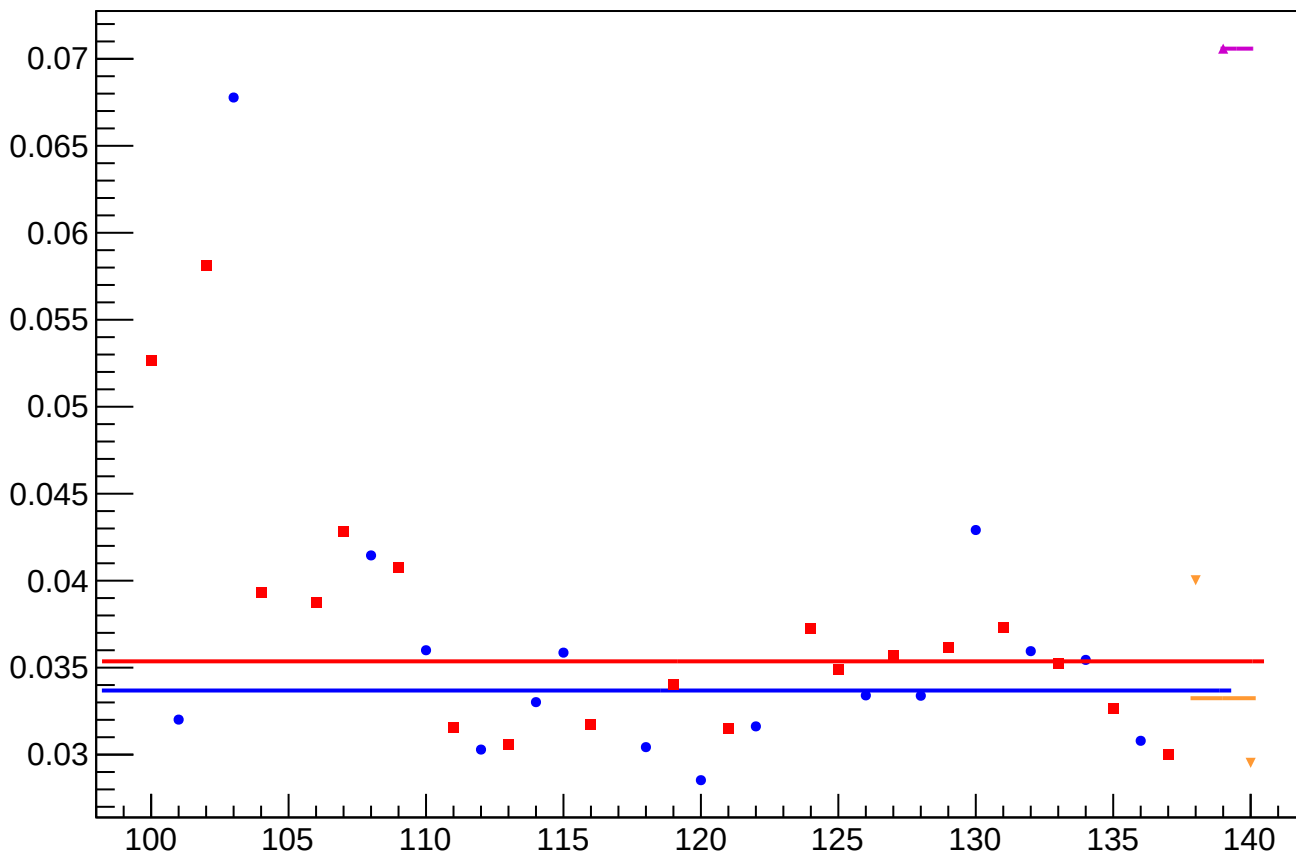
Left In: 0.466 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.507 ± 0.000 χ^2/NDF : 3821140711.0/17

All: -0.620 ± 0.000 χ^2/NDF : 6148408002.5/3

- sign -0.761 ± 0.000 χ^2/NDF : 2135495851.7/19

yield_bpm12X_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 420227.2/15

Left Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 57045.6/1

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 296353.9/18

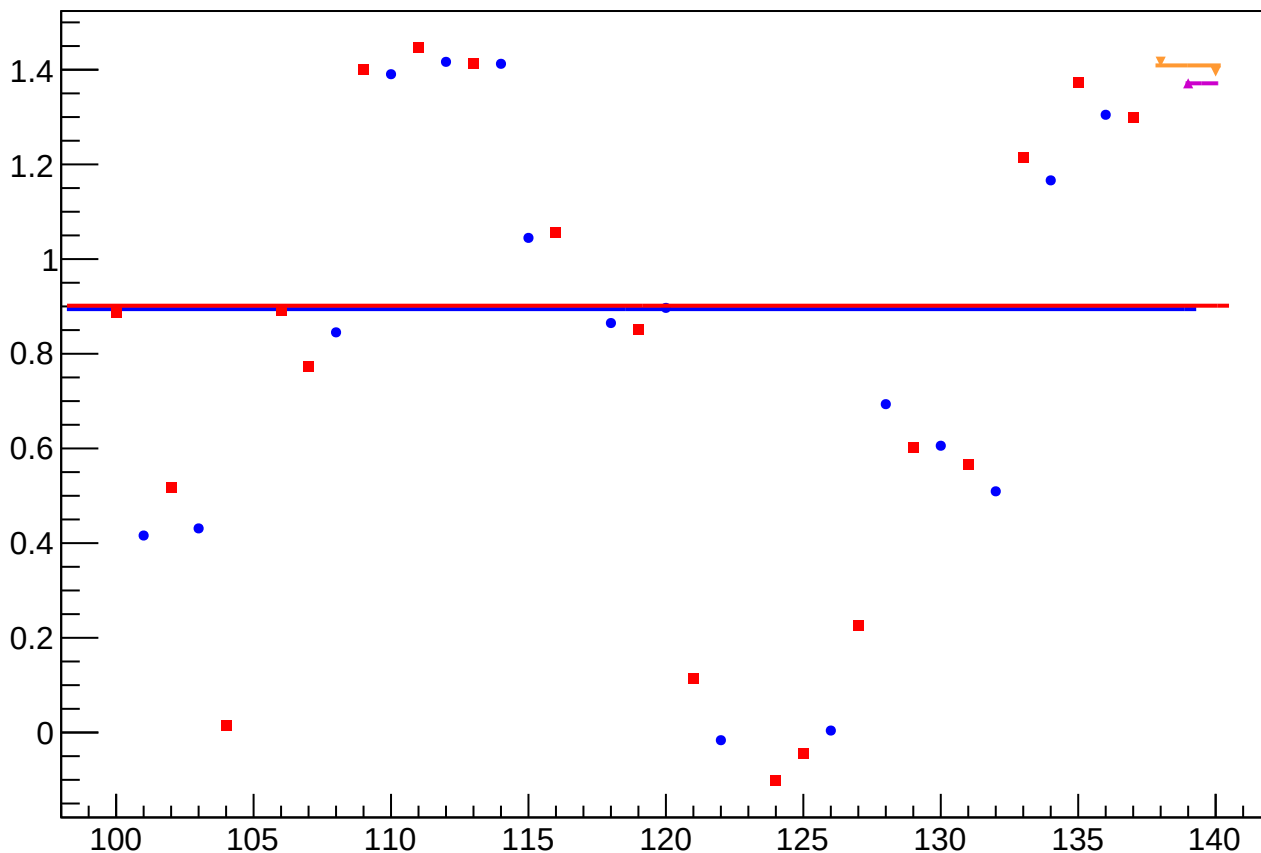
Left In: 0.071 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 477640.8/17

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1211312.6/37

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 686398.5/19

yield_bpm12Y_mean vs Slug



Right In: 0.894 $\pm$ 0.000 χ^2 /NDF: 12749707787.6/15

Left Out: 1.409 $\pm$ 0.000 χ^2 /NDF:2464138.8/1

Right Out: 0.902 $\pm$ 0.000 χ^2 /NDF: 17893051843.7/18

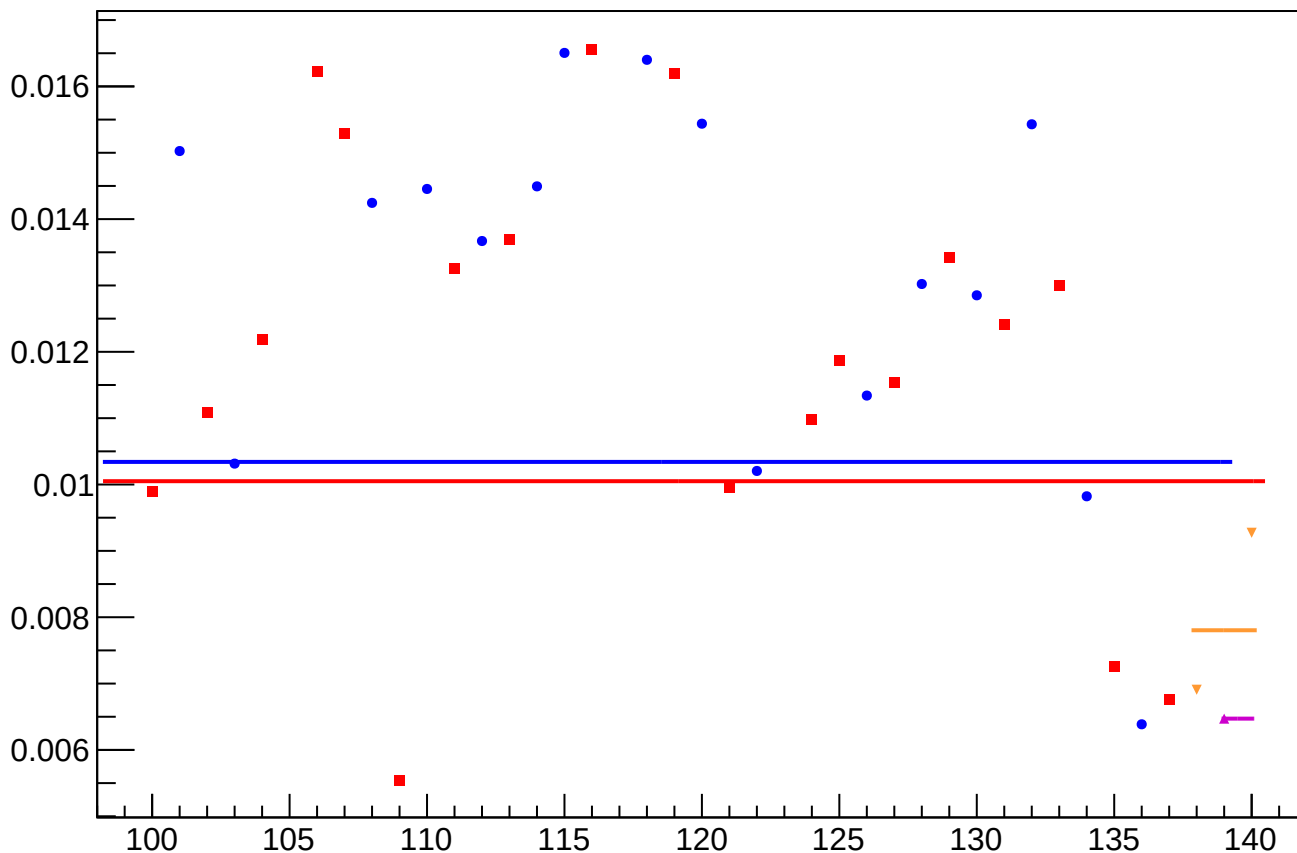
Left In: 1.371 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 1.050 $\pm$ 0.000 χ^2 /NDF: 17226065350.3/17

All: 1.032 $\pm$ 0.000 χ^2 /NDF: 38328583706.7/3

- sign 1.013 $\pm$ 0.000 χ^2 /NDF: 21047674836.1/19

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF : 63784.0/1

Right Out: 0.010+/-0.000 χ^2/NDF : 1336866.7/18

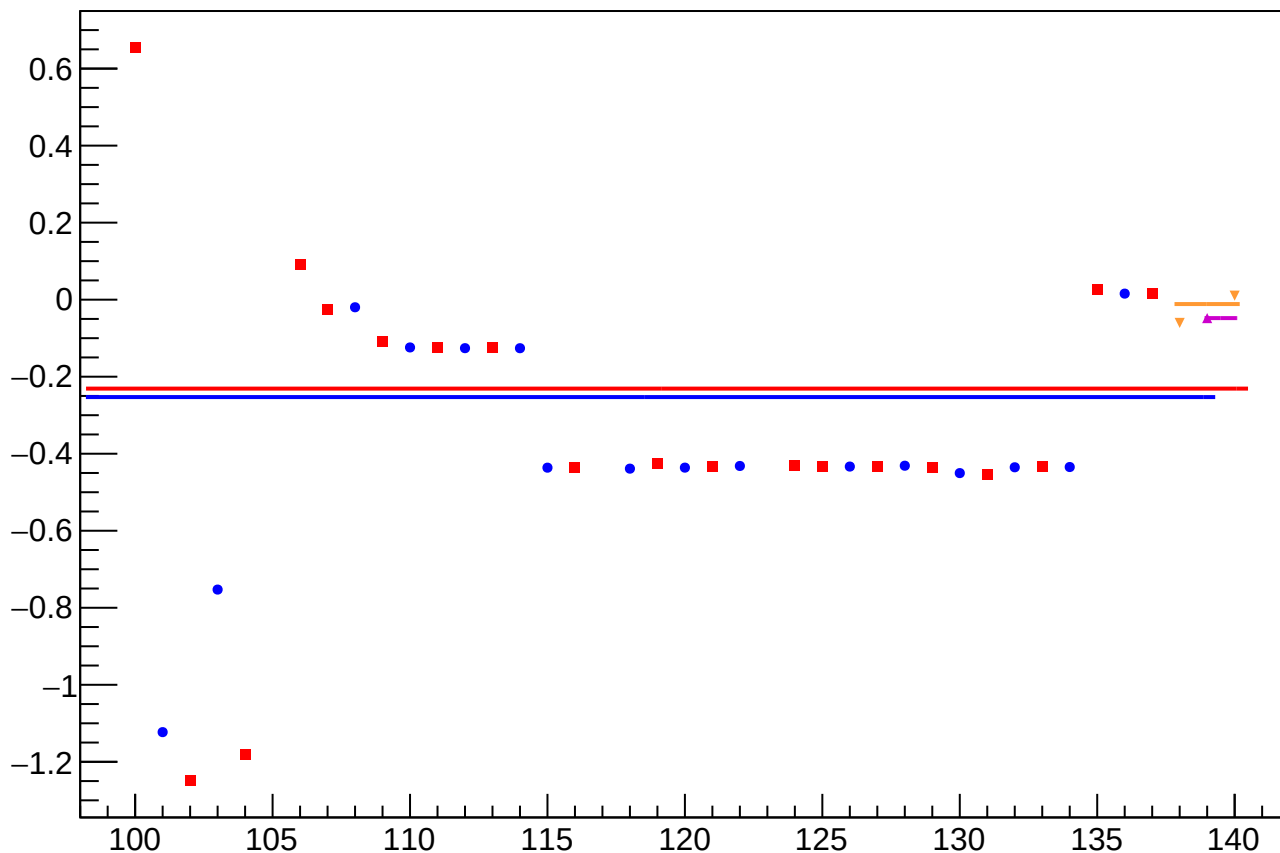
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.010+/-0.000 χ^2/NDF : 1631604.0/17

All: 0.009+/-0.000 χ^2/NDF : 3345624.2/37

- sign 0.009+/-0.000 χ^2/NDF : 1703044.9/19

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF : 2025242410.1/15

Left Out: -0.011+/-0.000 χ^2/NDF : 12672012.4/1

Right Out: -0.231+/-0.000 χ^2/NDF : 1808702536.0/18

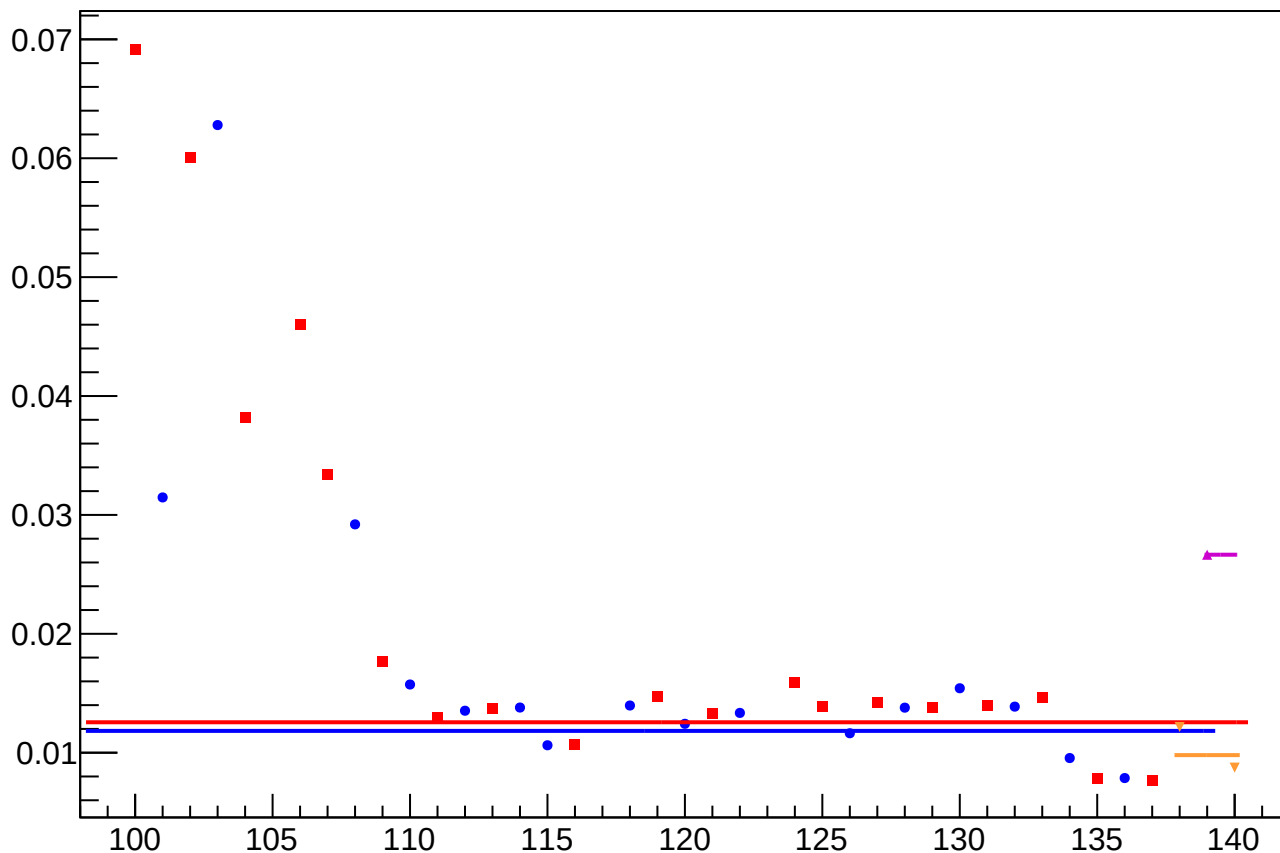
Left In: -0.048+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.192+/-0.000 χ^2/NDF : 2557075963.8/17

All: -0.206+/-0.000 χ^2/NDF : 4423567068.0/3

- sign -0.224+/-0.000 χ^2/NDF : 1846564104.4/19

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1942550.6/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 59230.3/1

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2217419.3/18

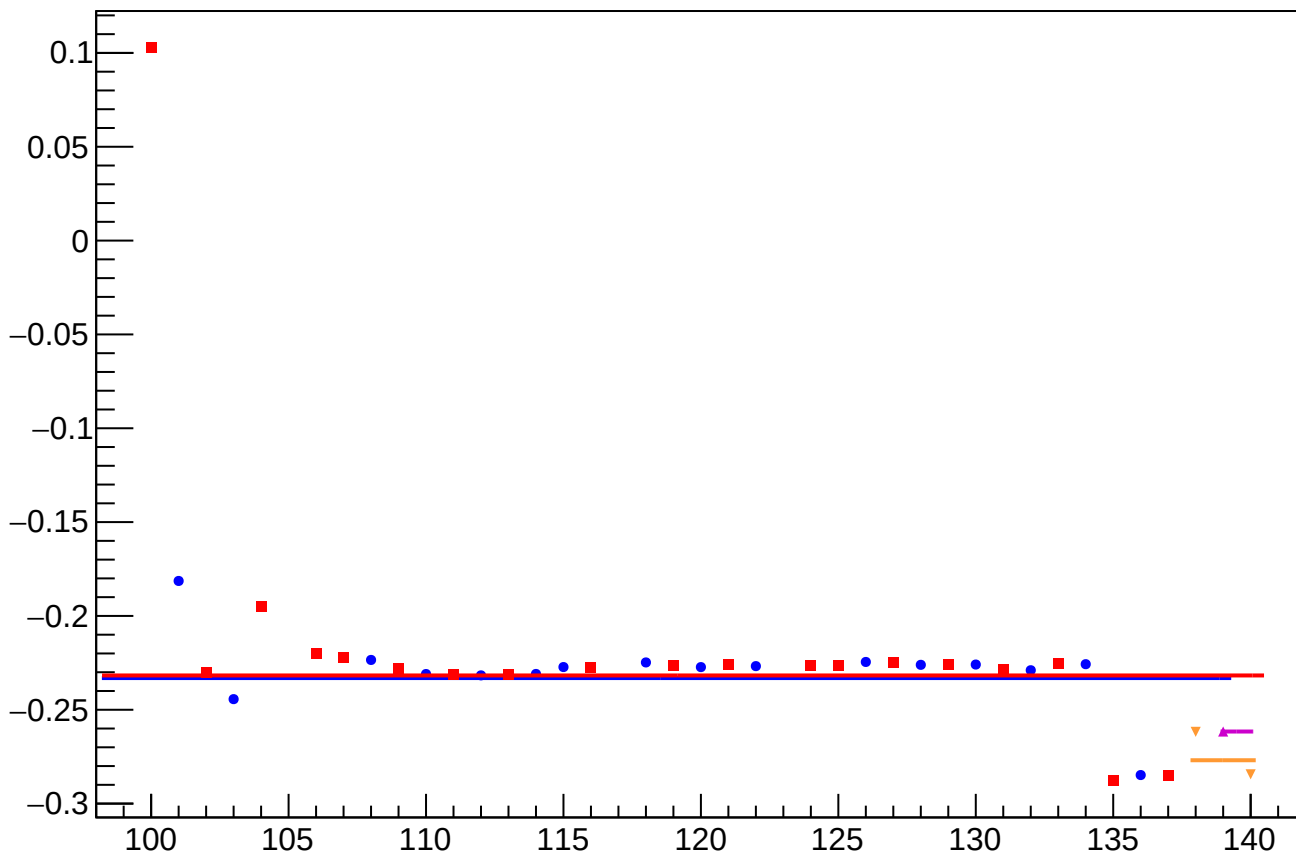
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2075650.7/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4859103.6/37

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2666141.6/19

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF : 199059878.3/15

Left Out: -0.277+/-0.000 χ^2/NDF : 7369992.0/1

Right Out: -0.232+/-0.000 χ^2/NDF : 287244778.7/18

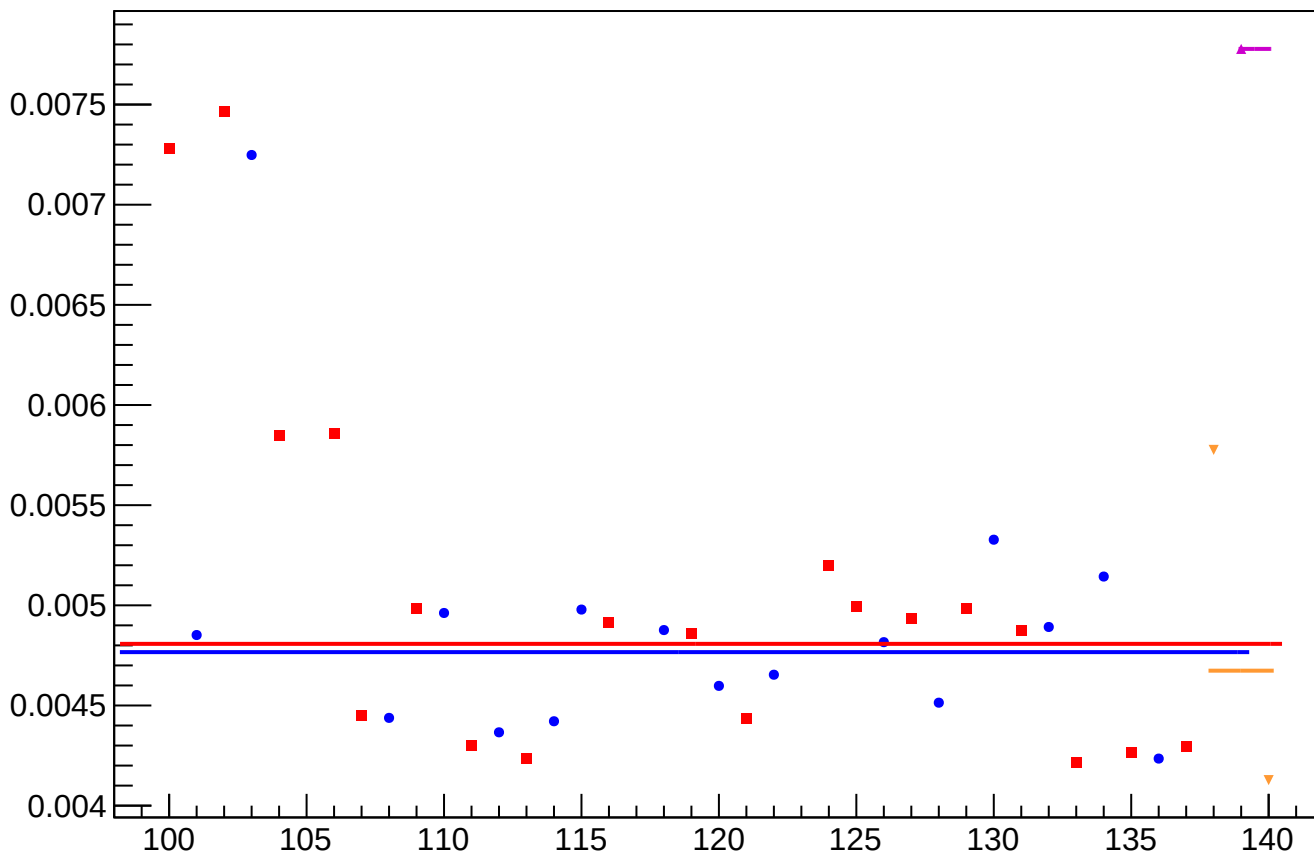
Left In: -0.262+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.241+/-0.000 χ^2/NDF : 307705105.6/17

All: -0.237+/-0.000 χ^2/NDF : 617271628.1/37

- sign -0.233+/-0.000 χ^2/NDF : 298545352.5/19

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 191759.7/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:78160.4/1

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 293738.0/18

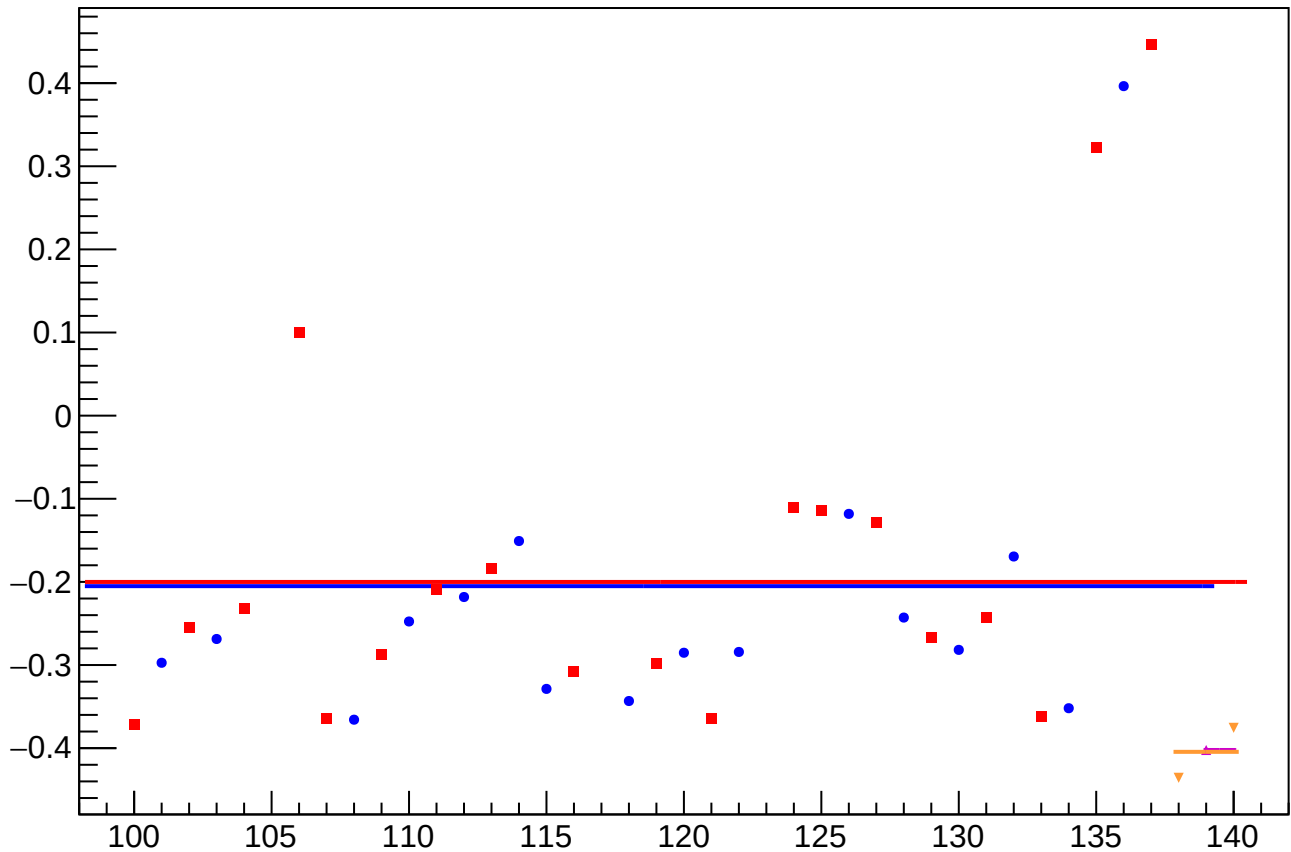
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 270824.9/17

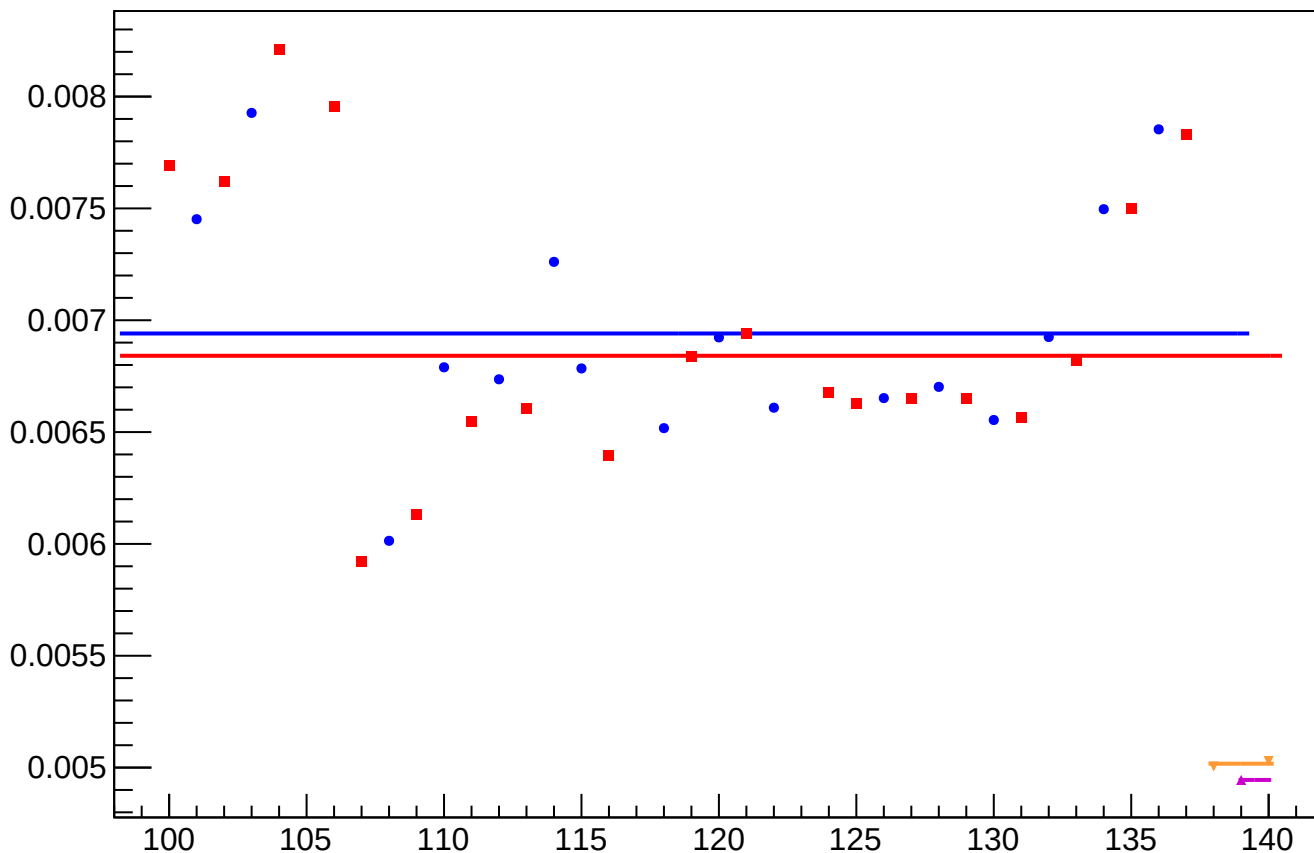
All: 0.005 $\pm$ 0.000 χ^2 /NDF: 799379.1/37

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 517078.6/19

yield_bpm0i02X_mean vs Slug



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 : 18.7/1

Right Out: 0.007+/-0.000 χ^2/NDF : 99819.4/18

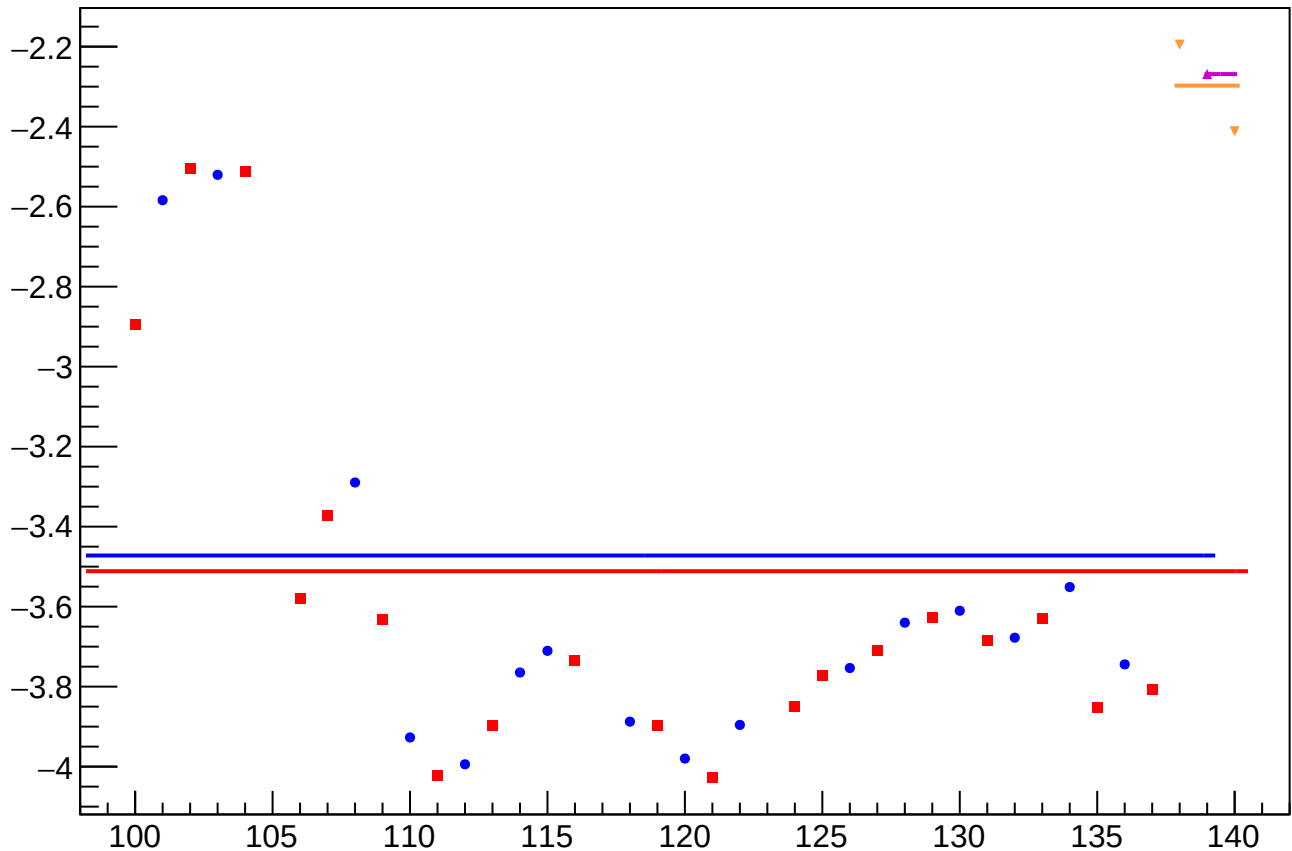
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 408097.0/17

All: 0.006+/-0.000 χ^2/NDF : 709942.2/37

- sign 0.007+/-0.000 χ^2/NDF : 298197.2/19

yield_bpm0i02Y_mean vs Slug



Right In: -3.472 ± 0.000 χ^2/NDF : 29592353445.4/15

Left Out: -2.297 ± 0.000 χ^2/NDF : 189056410.6/1

+ sign -3.320 ± 0.000 χ^2/NDF : 49213422762.7/17

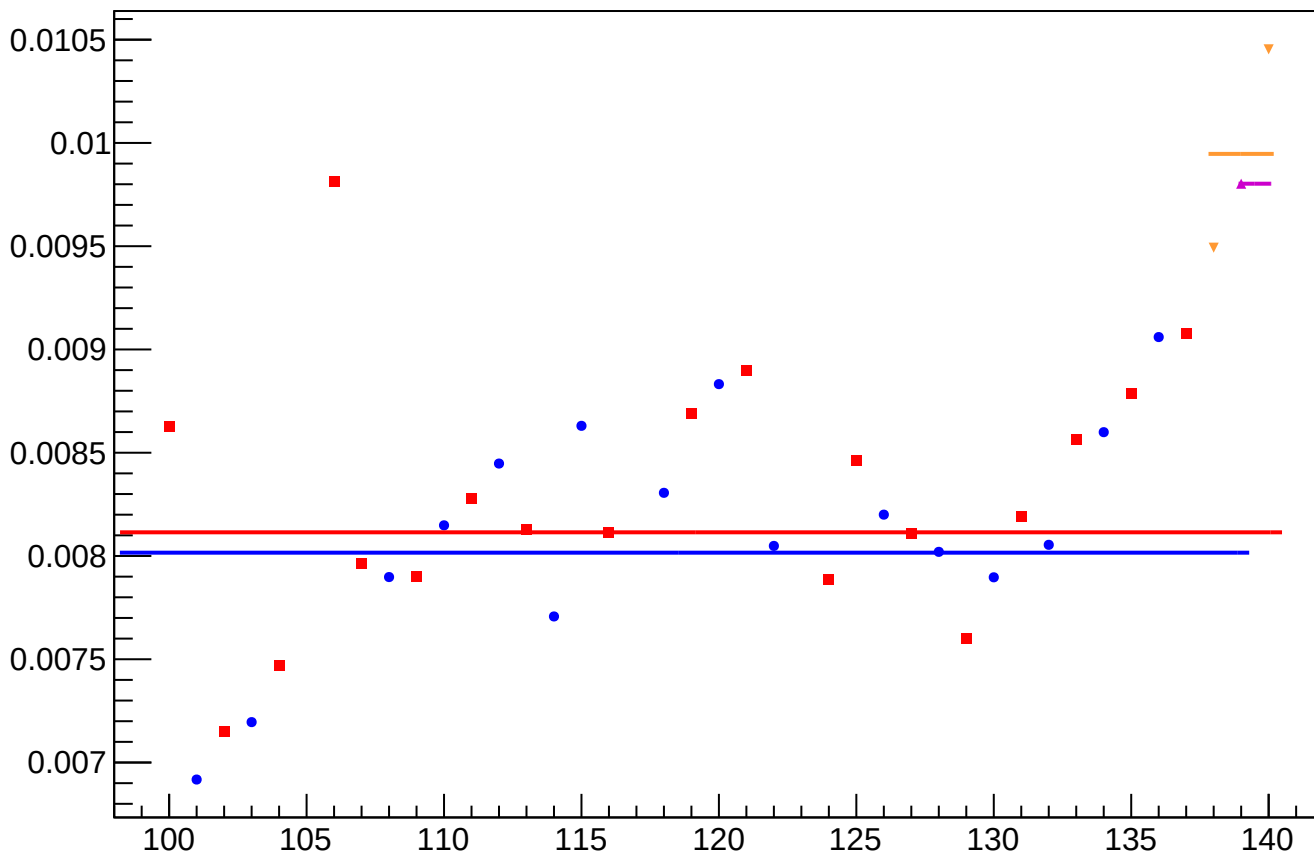
Right Out: -3.511 ± 0.000 χ^2/NDF : 29716501733.6/18

All: -3.368 ± 0.000 χ^2/NDF : 91982017073.9

- sign -3.419 ± 0.000 χ^2/NDF : 42183467169.8/19

Left In: -2.269 ± 0.000 χ^2/NDF : 0.0/0

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 : 7438.0/1

Right Out: 0.008+/-0.000 χ^2/NDF : 71067.5/18

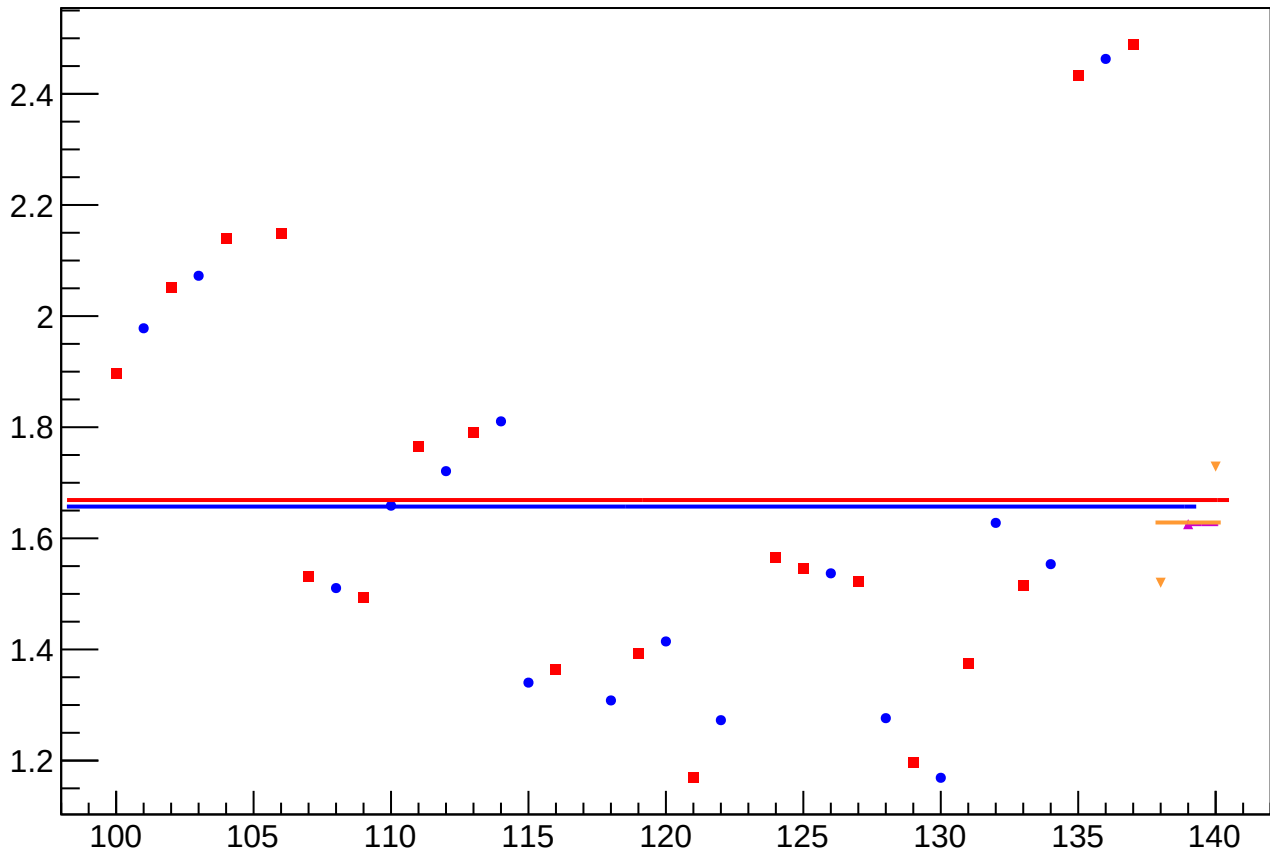
Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 198669.6/17

All: 0.008+/-0.000 χ^2/NDF : 315807.9/37

- sign 0.008+/-0.000 χ^2/NDF : 117060.6/19

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF : 6666154117.3/15

Left Out: 1.629+/-0.000 χ^2/NDF : 144146539.9/1

Right Out: 1.669+/-0.000 χ^2/NDF : 6357589265.5/18

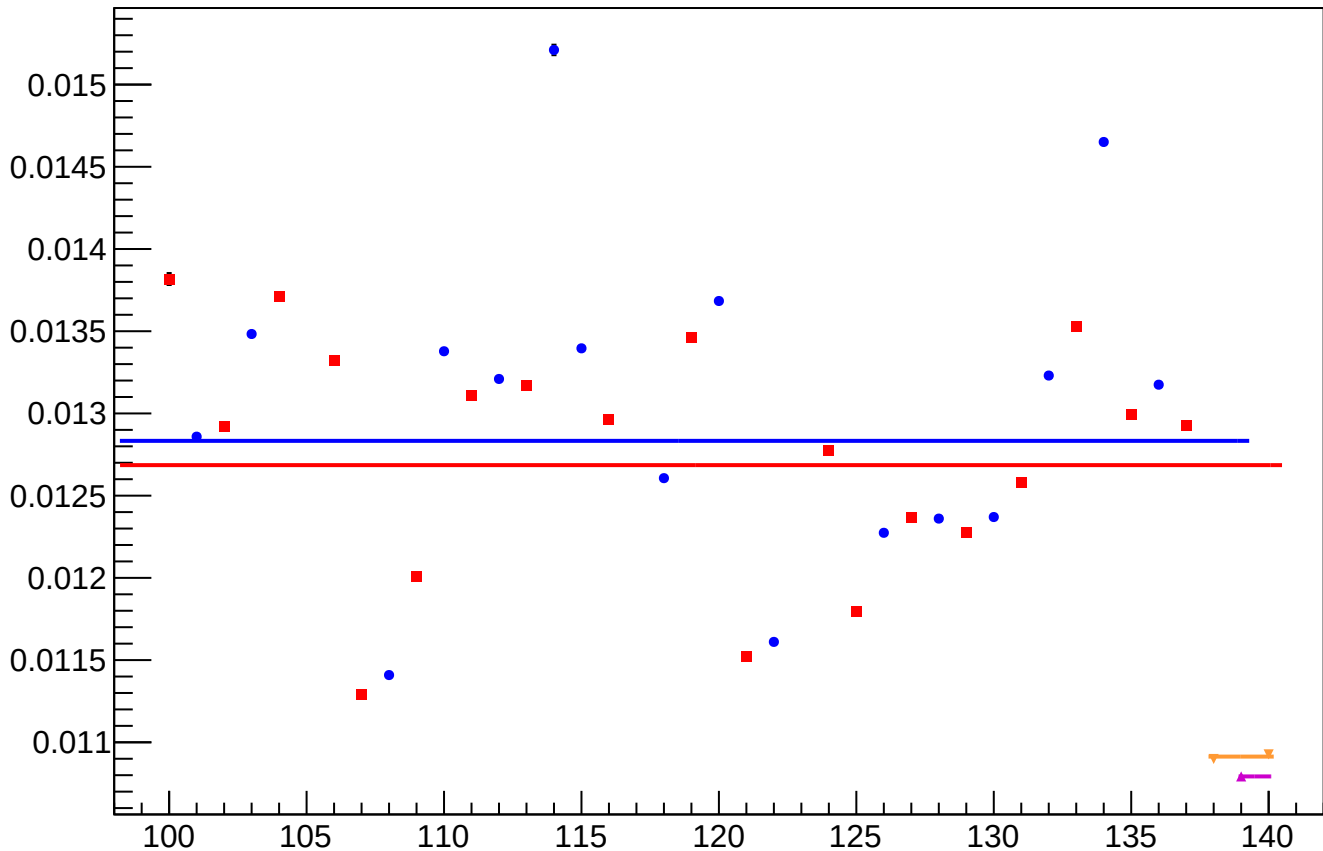
Left In: 1.626+/-0.000 χ^2/NDF : 0.0/0

+ sign 1.650+/-0.000 χ^2/NDF : 6818586610.1/17

All: 1.656+/-0.000 χ^2/NDF : 13192033451.3/3

- sign 1.663+/-0.000 χ^2/NDF : 6369184395.1/19

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 52516.5/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 5.2/1

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 43279.9/18

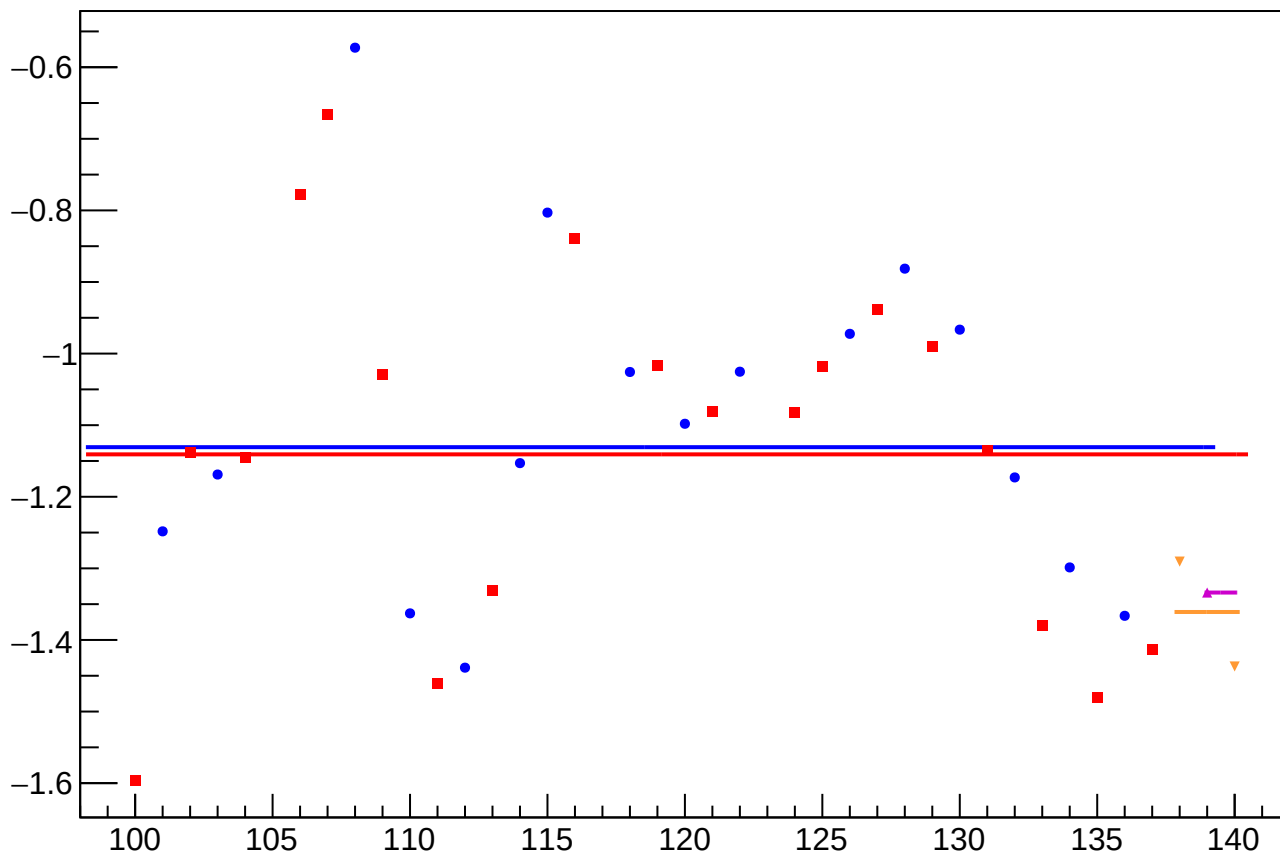
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 126901.9/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 214387.1/37

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 87365.3/19

yield_bpm0i02aY_mean vs Slug



Right In: -1.131+/-0.000 χ^2/NDF : 3790121991.7/15

Left Out: -1.361+/-0.000 χ^2/NDF : 130888295.3/1

Right Out: -1.141+/-0.000 χ^2/NDF : 3544012262.4/18

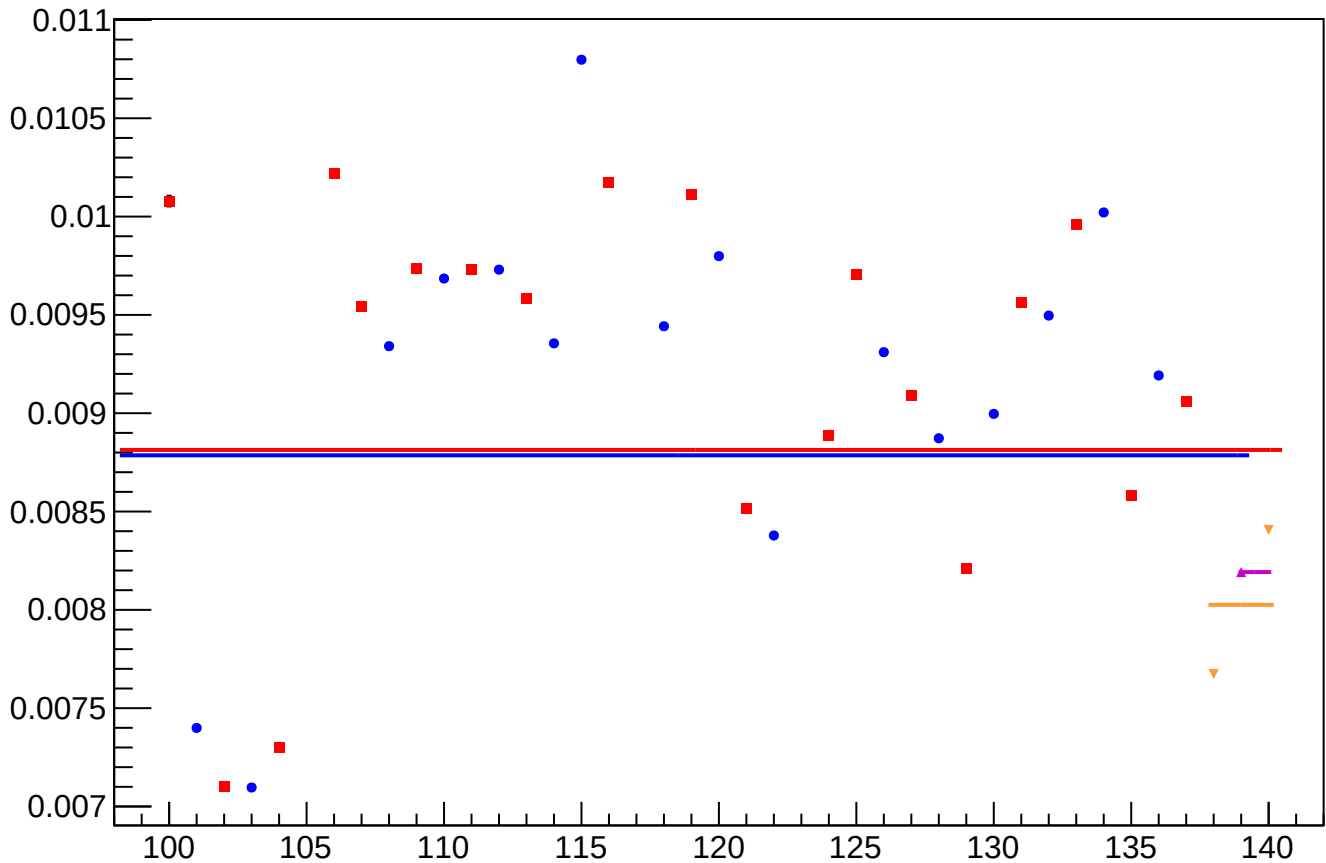
Left In: -1.334+/-0.000 χ^2/NDF : 0.0/0

+ sign -1.180+/-0.000 χ^2/NDF : 4936346064.3/17

All: -1.173+/-0.000 χ^2/NDF : 8897855414.4/3

- sign -1.164+/-0.000 χ^2/NDF : 3947317619.8/19

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 173477.6/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:6559.8/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 204443.3/18

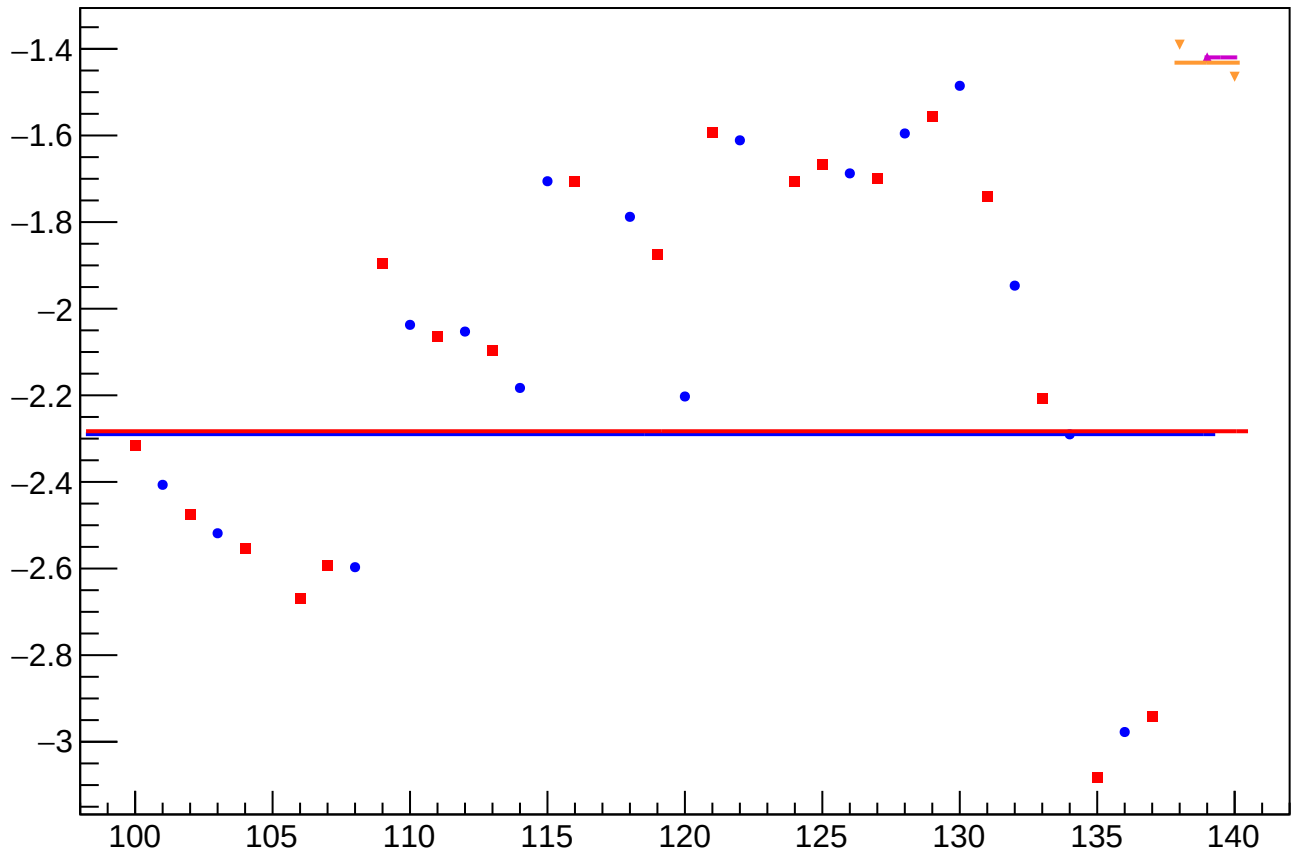
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 202194.4/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 416432.2/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 212791.0/19

yield_bpm0i05X_mean vs Slug



Right In: -2.290+/-0.000 χ^2 /NDF: 15222817978.4/15

Left Out: -1.432+/-0.000 χ^2 /NDF:24157682.8/1

Right Out: -2.283+/-0.000 χ^2 /NDF: 17032219519.1/18

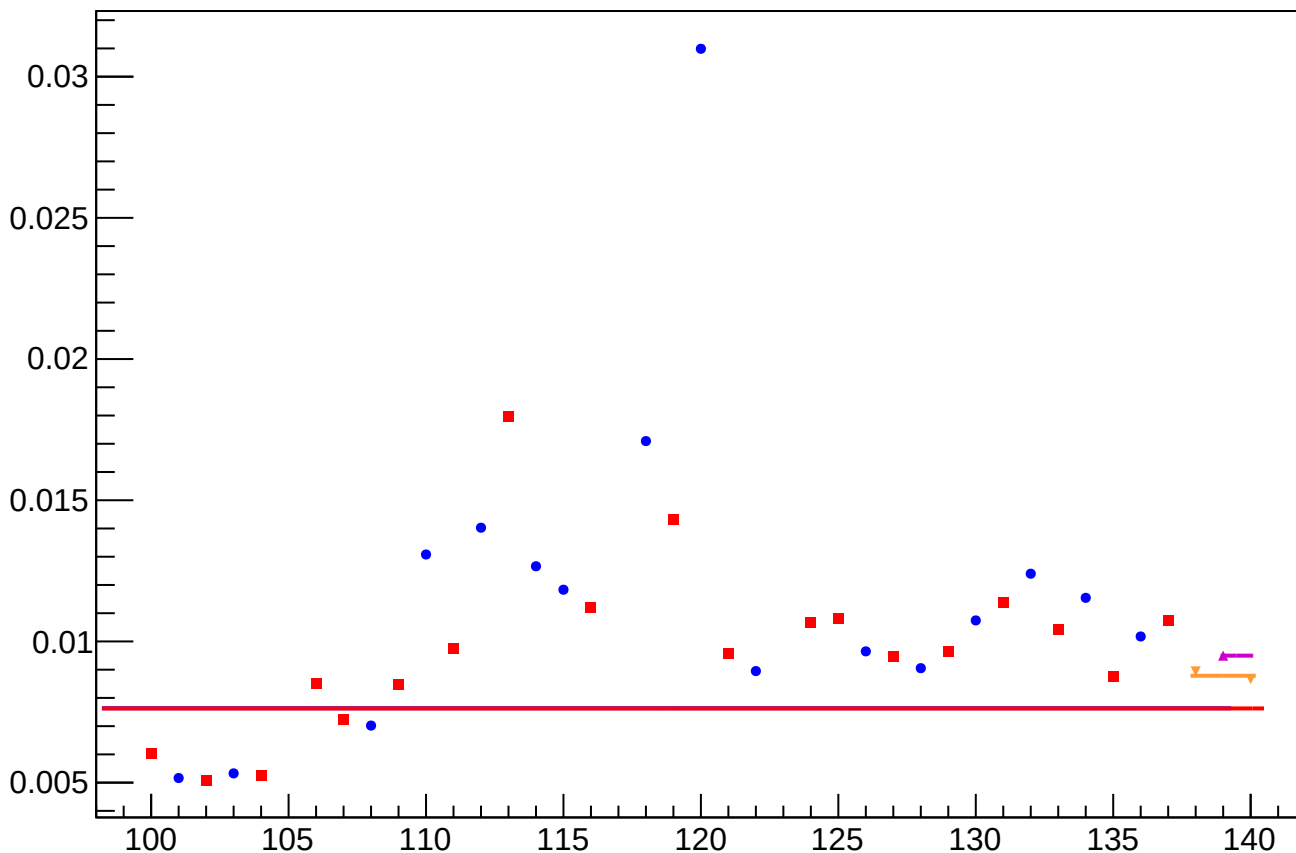
Left In: -1.420+/-0.000 χ^2 /NDF:0.0/0

+ sign -2.144+/-0.000 χ^2 /NDF: 26169601748.5/17

All: -2.179+/-0.000 χ^2 /NDF: 49105939023.2/19

- sign -2.214+/-0.000 χ^2 /NDF: 22676204318.8/19

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 :666.9/1

Right Out: 0.008+/-0.000 χ^2/NDF : 1317740.1/18

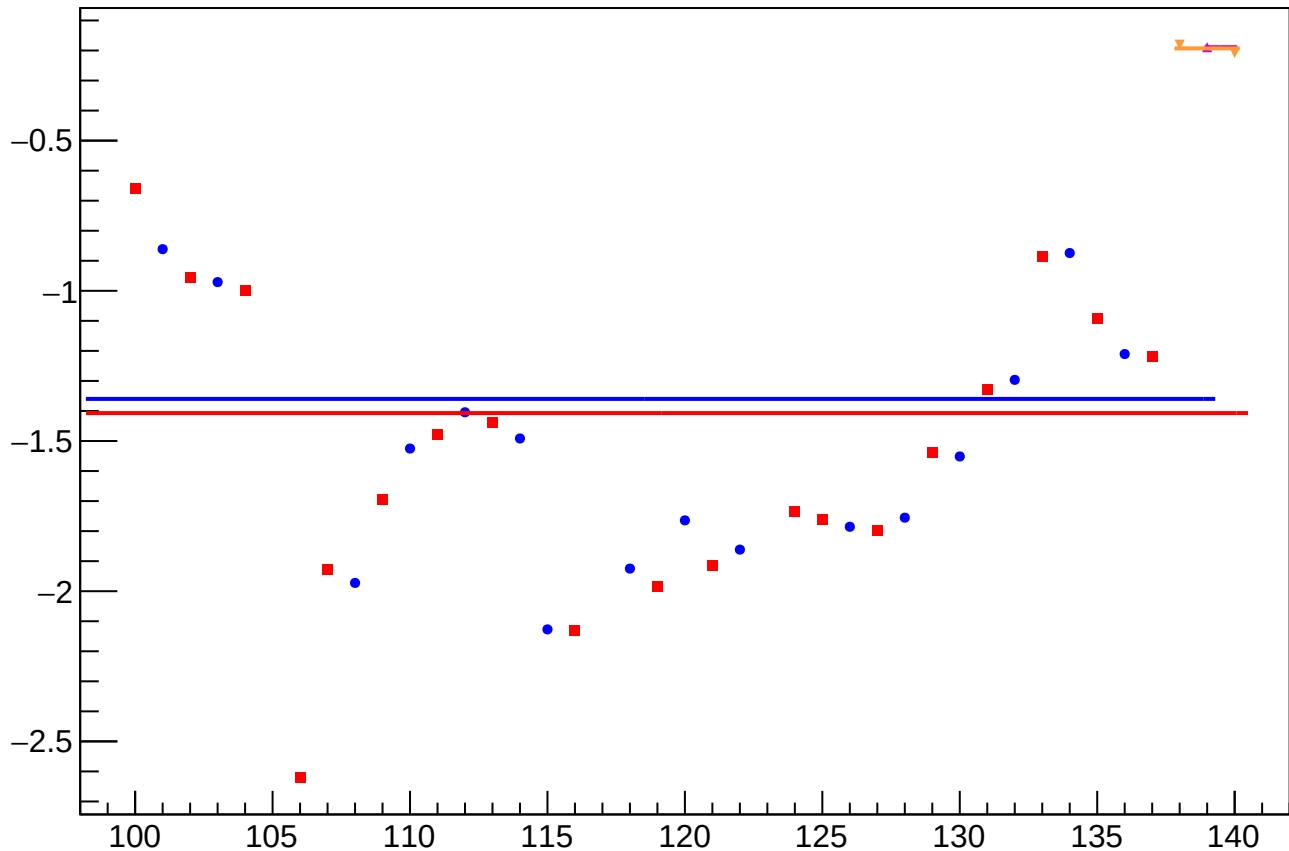
Left In: 0.009+/-0.000 χ^2/NDF :0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 1750860.0/17

All: 0.008+/-0.000 χ^2/NDF : 3121819.0/37

- sign 0.008+/-0.000 χ^2/NDF : 1370669.9/19

yield_bpm0i05Y_mean vs Slug



Right In: -1.360 ± 0.000 $\chi^2/\text{NDF}: 21491965614.5/15$

Left Out: -0.193 ± 0.000 $\chi^2/\text{NDF}: 14593169.4/1$

Right Out: -1.407 ± 0.000 $\chi^2/\text{NDF}: 29835610413.0/18$

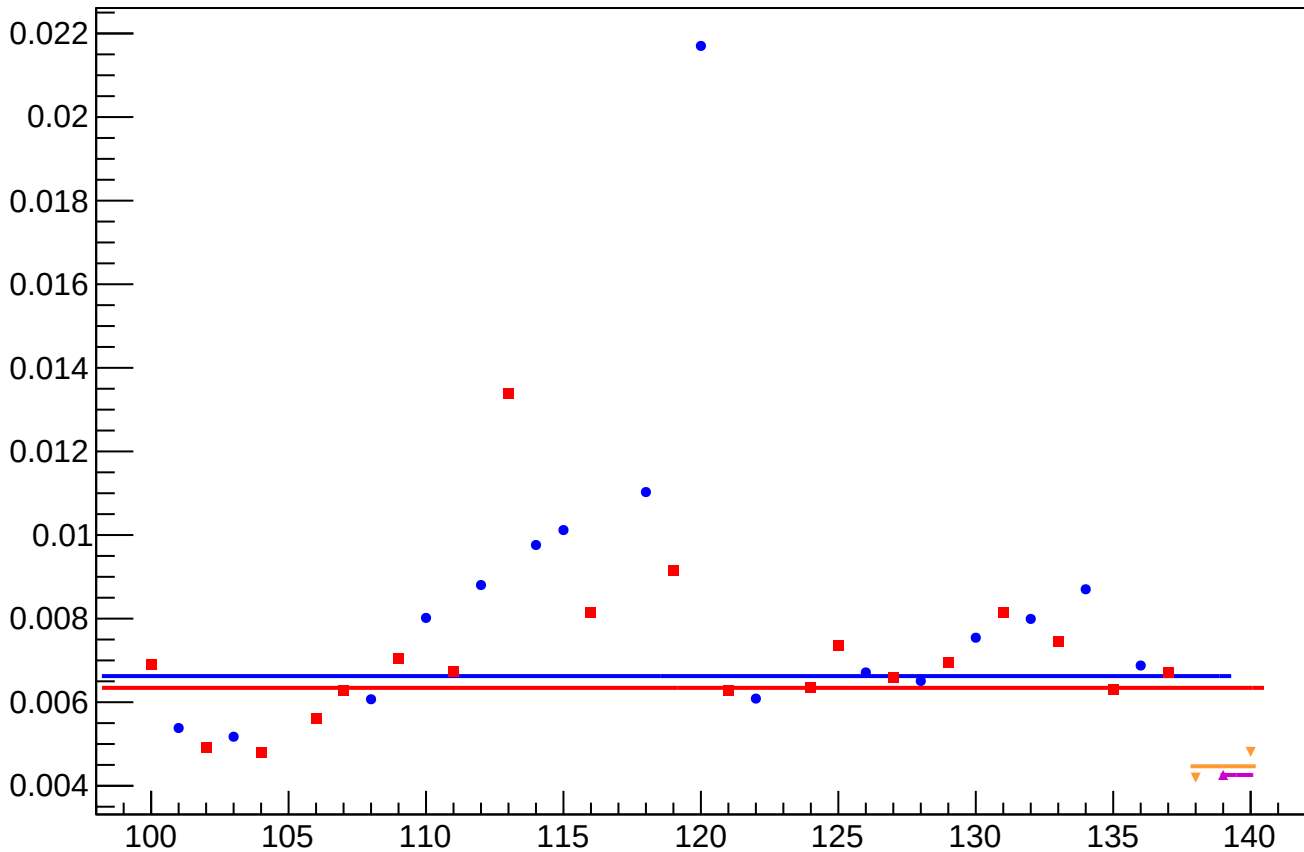
Left In: -0.189 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.936 ± 0.000 $\chi^2/\text{NDF}: 86781803689.6/17$

All: -1.032 ± 0.000 $\chi^2/\text{NDF}: 171320229037.7$

- sign -1.133 ± 0.000 $\chi^2/\text{NDF}: 80623246837.3/19$

yield_bpm0i05Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 693783.1/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:14118.8/1

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 529170.9/18

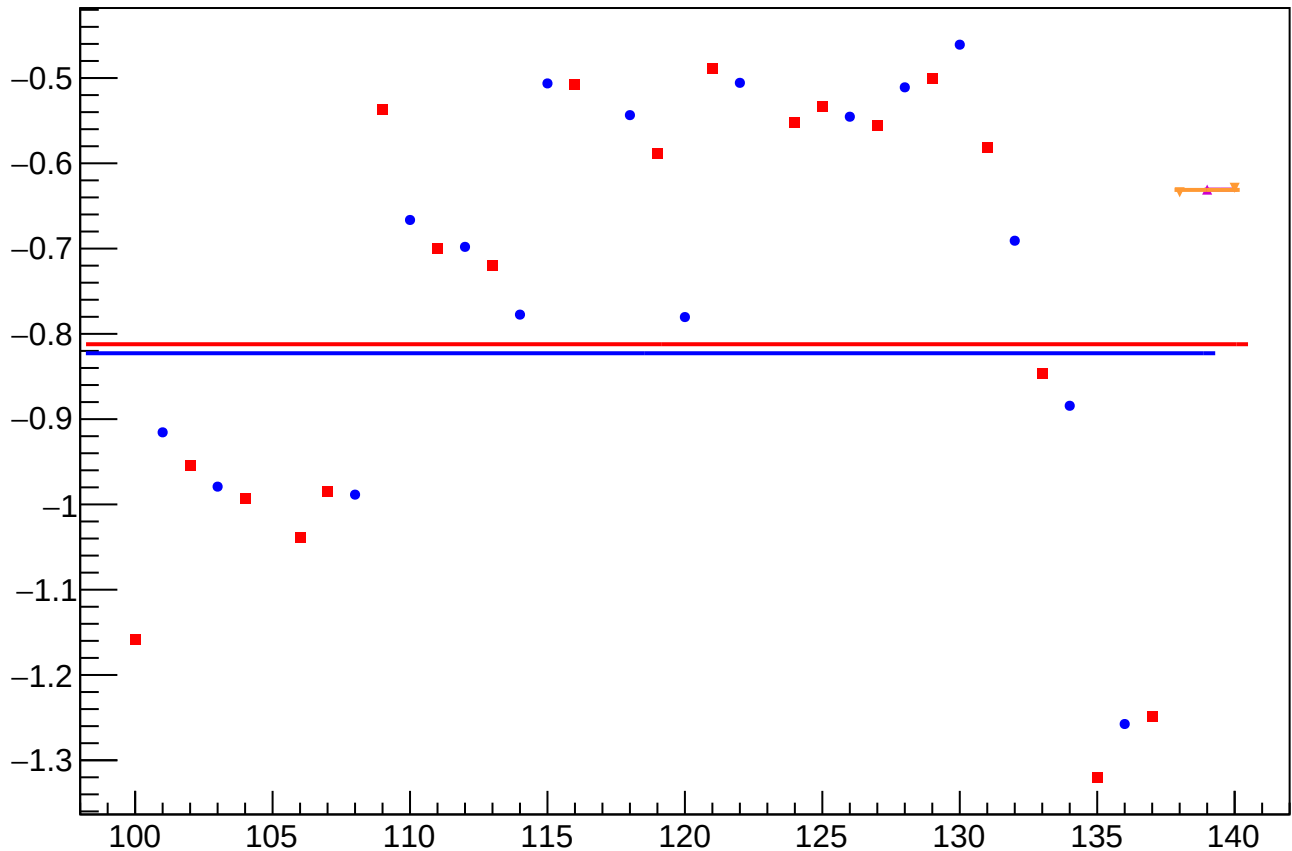
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1154260.3/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1981059.1/37

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 826570.9/19

yield_bpm0i07X_mean vs Slug



Right In: -0.823+/-0.000 χ^2/NDF : 12226599844.5/15

Left Out: -0.631+/-0.000 χ^2/NDF : 267530.6/1

Right Out: -0.812+/-0.000 χ^2/NDF : 14825441332.4/18

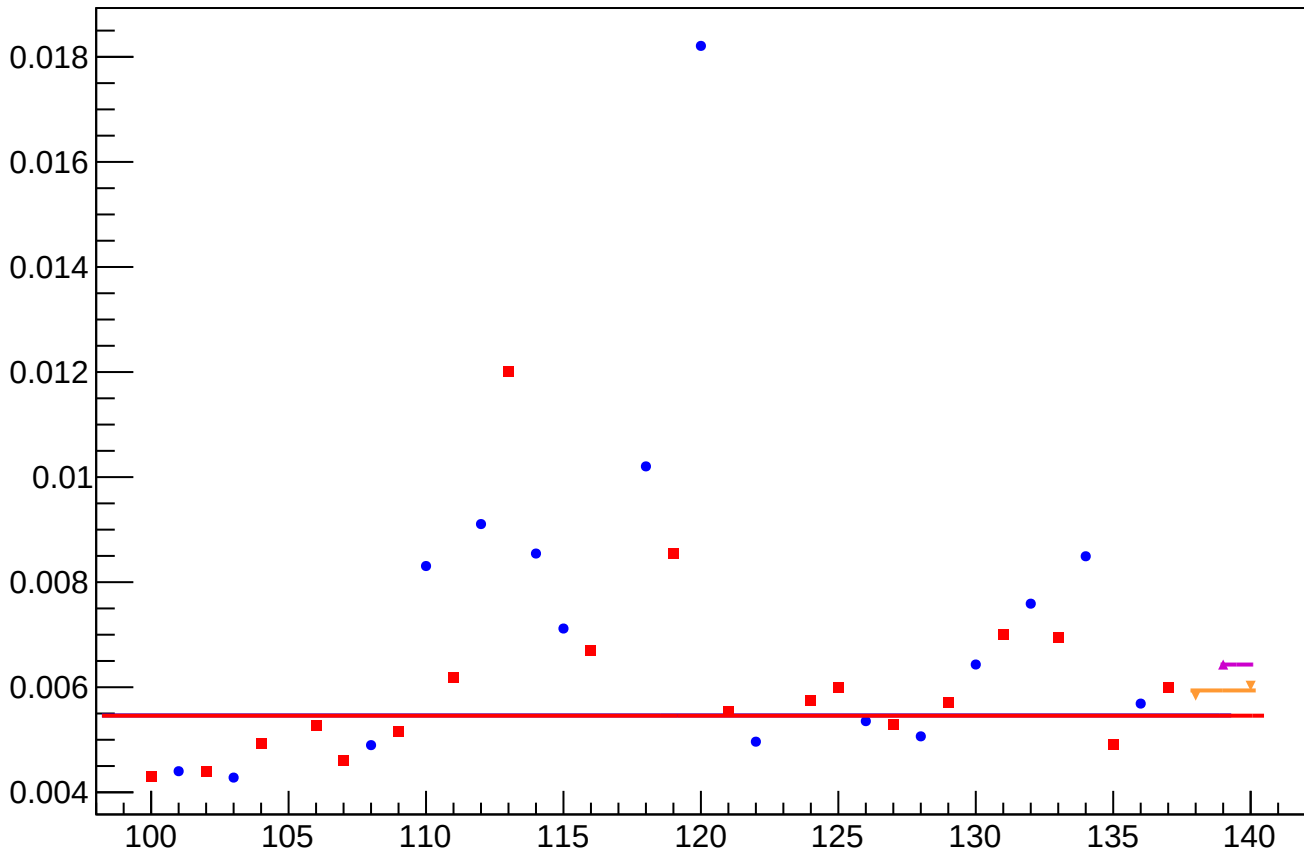
Left In: -0.631+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.790+/-0.000 χ^2/NDF : 13395050770.3/17

All: -0.794+/-0.000 χ^2/NDF : 28761048343.5/19

- sign -0.798+/-0.000 χ^2/NDF : 15359159838.8/19

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 : 678.9/1

Right Out: 0.005+/-0.000 χ^2/NDF : 507792.7/18

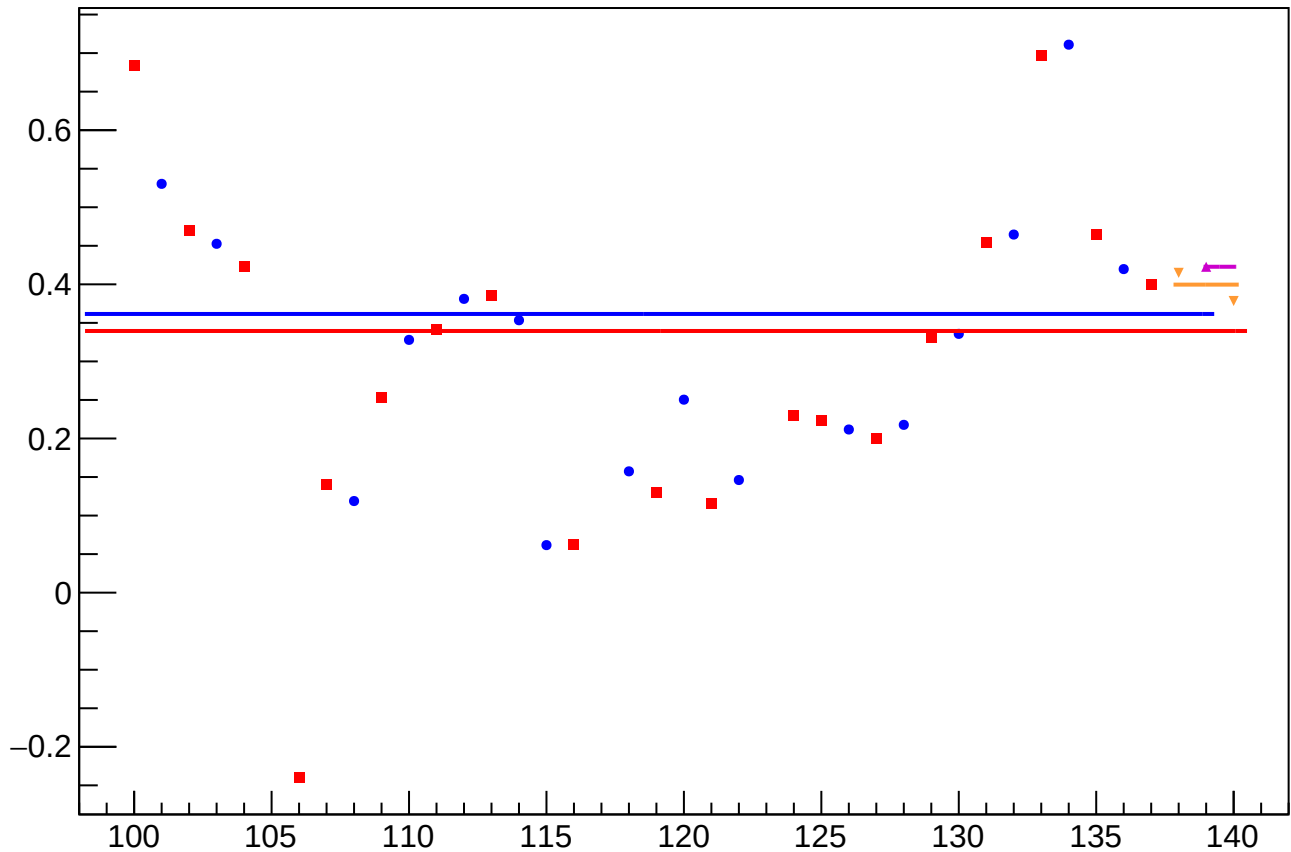
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 976569.0/17

All: 0.006+/-0.000 χ^2/NDF : 1515141.1/37

- sign 0.006+/-0.000 χ^2/NDF : 538555.7/19

yield_bpm0i07Y_mean vs Slug



Right In: 0.362 $\pm$ 0.000 χ^2 /NDF: 8775952187.9/15

Left Out: 0.400 $\pm$ 0.000 χ^2 /NDF:23630713.4/1

Right Out: 0.339 $\pm$ 0.000 χ^2 /NDF: 12071802789.9/18

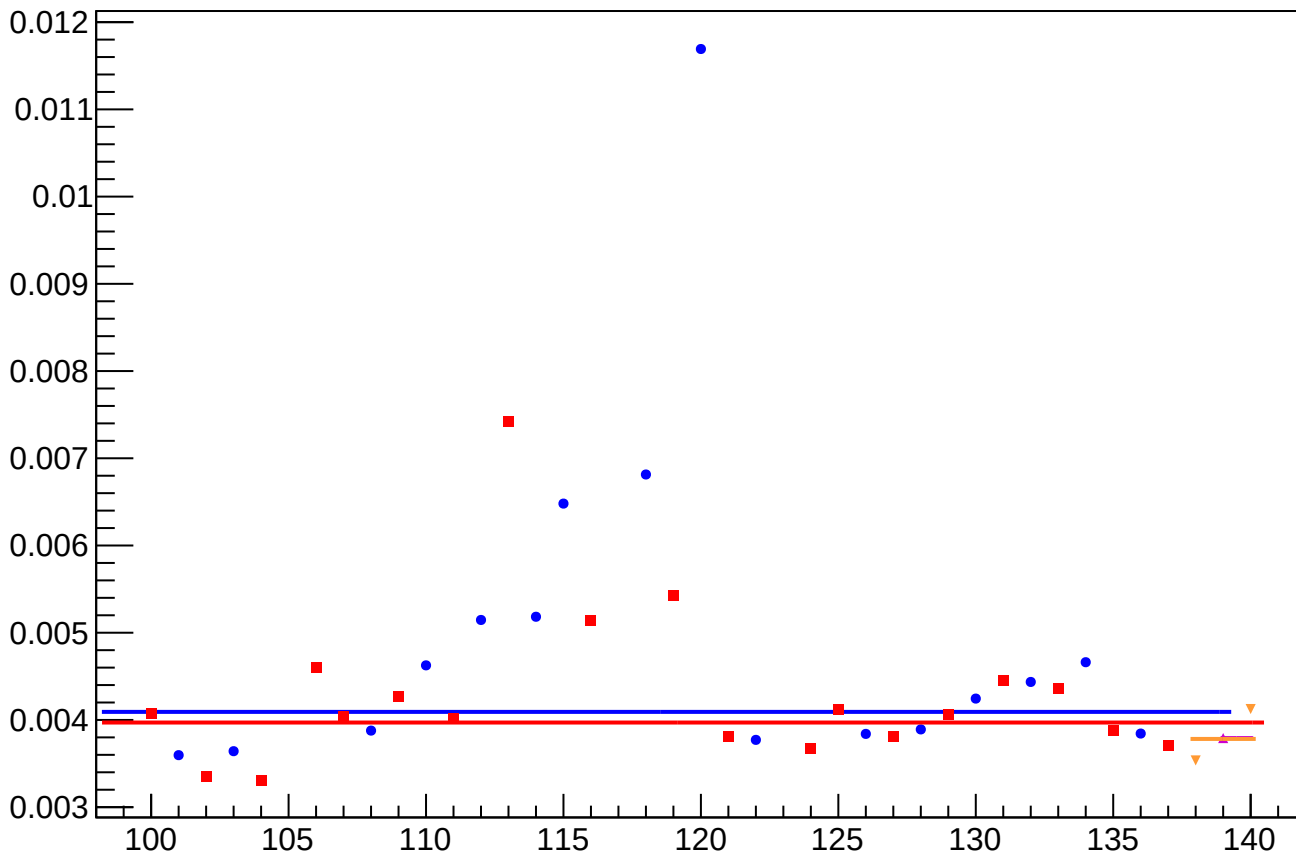
Left In: 0.423 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.368 $\pm$ 0.000 χ^2 /NDF: 8887465485.9/17

All: 0.357 $\pm$ 0.000 χ^2 /NDF: 21299878824.3/3

- sign 0.347 $\pm$ 0.000 χ^2 /NDF: 12312288693.9/19

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 :12282.6/1

Right Out: 0.004+/-0.000 χ^2/NDF : 313701.1/18

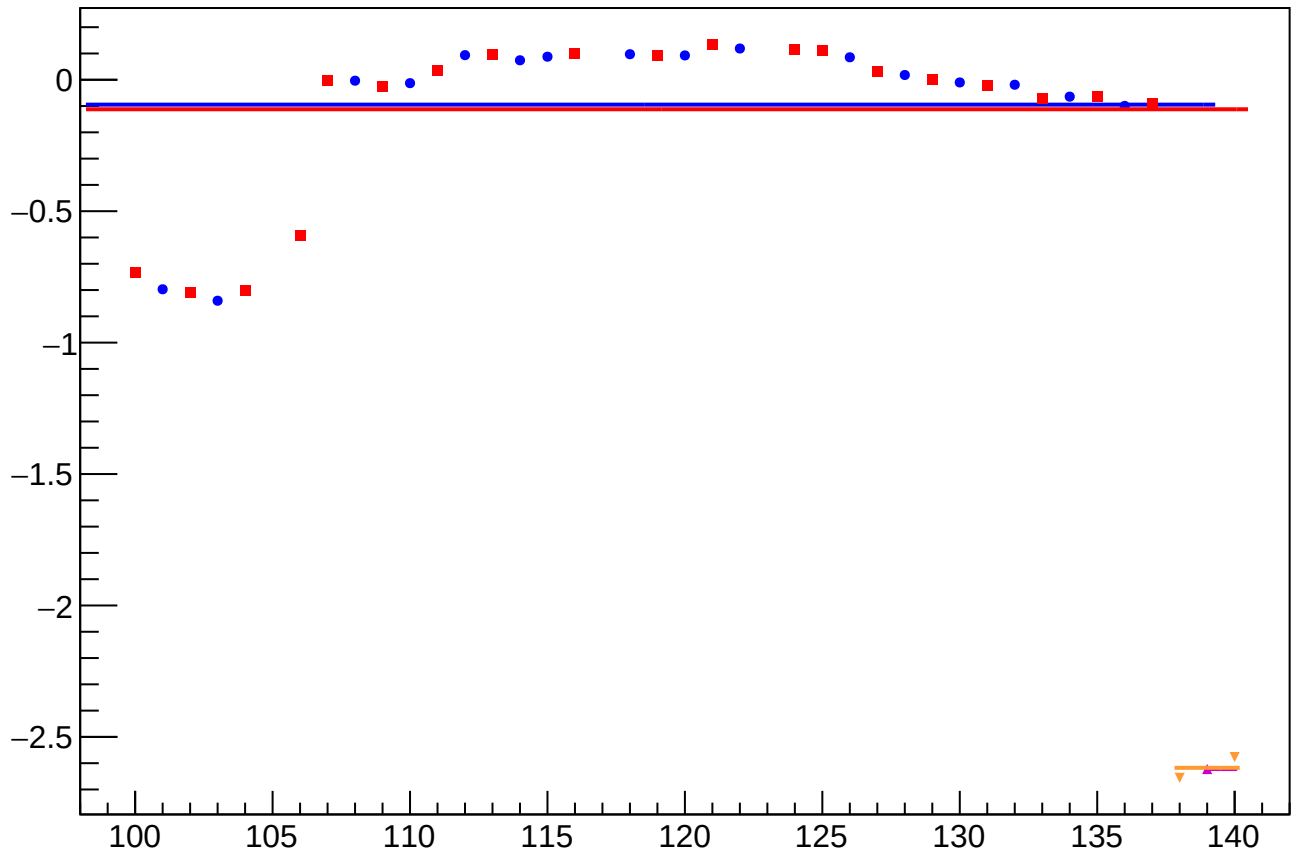
Left In: 0.004+/-0.000 χ^2/NDF :0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 515693.4/17

All: 0.004+/-0.000 χ^2/NDF : 834846.2/37

- sign 0.004+/-0.000 χ^2/NDF : 315897.4/19

yield_bpm1i02X_mean vs Slug



Right In: -0.095+/-0.000 χ^2/NDF : 5489721985.1/15

Left Out: -2.618+/-0.000 χ^2/NDF :13499917.6/1

Right Out: -0.112+/-0.000 χ^2/NDF : 6190163375.6/18

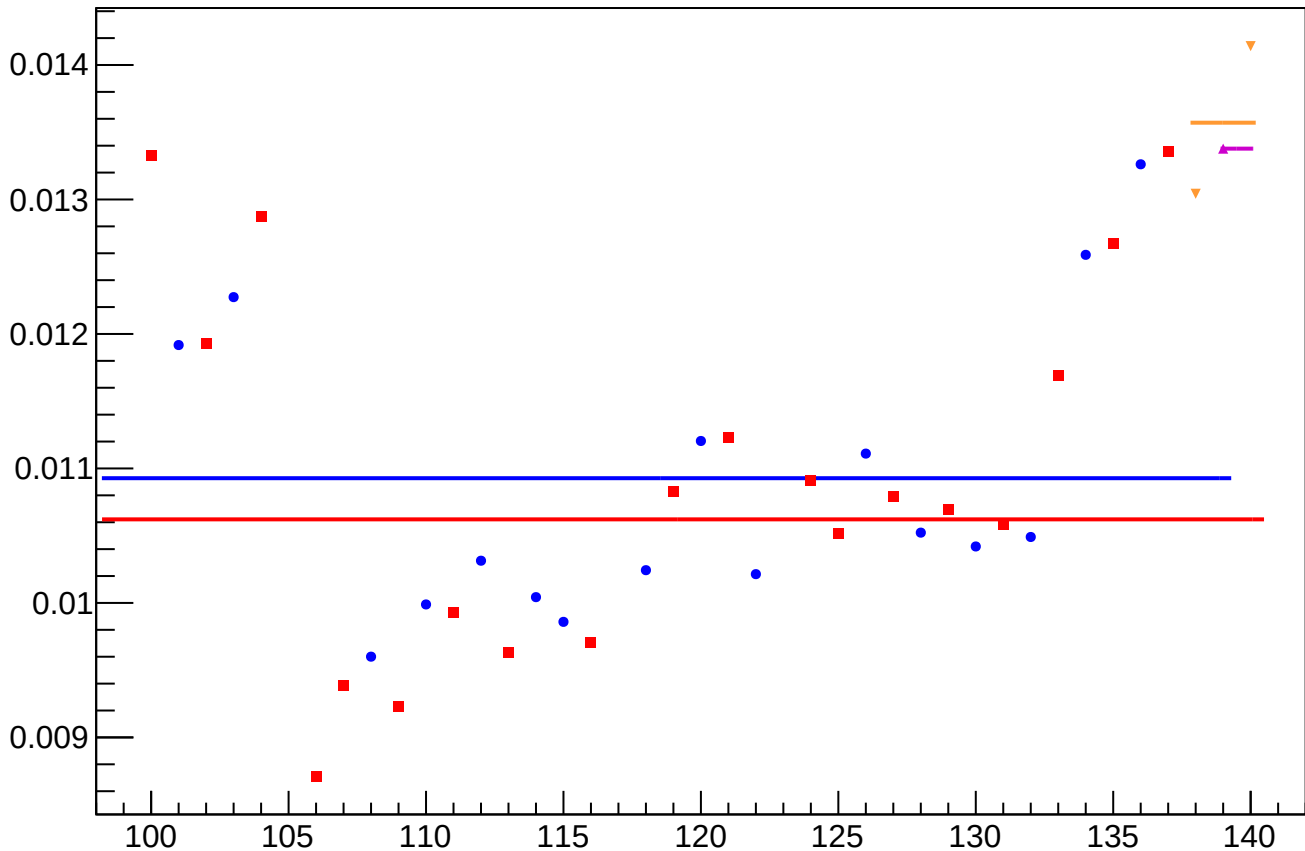
Left In: -2.622+/-0.000 χ^2/NDF :0.0/0

+ sign -0.415+/-0.000 χ^2/NDF : 53752394623.7/17

All: -0.347+/-0.000 χ^2/NDF : 88227140835.2/19

- sign -0.281+/-0.000 χ^2/NDF : 33850438615.8/19

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF :5224.9/1

Right Out: 0.011+/-0.000 χ^2/NDF : 190526.1/18

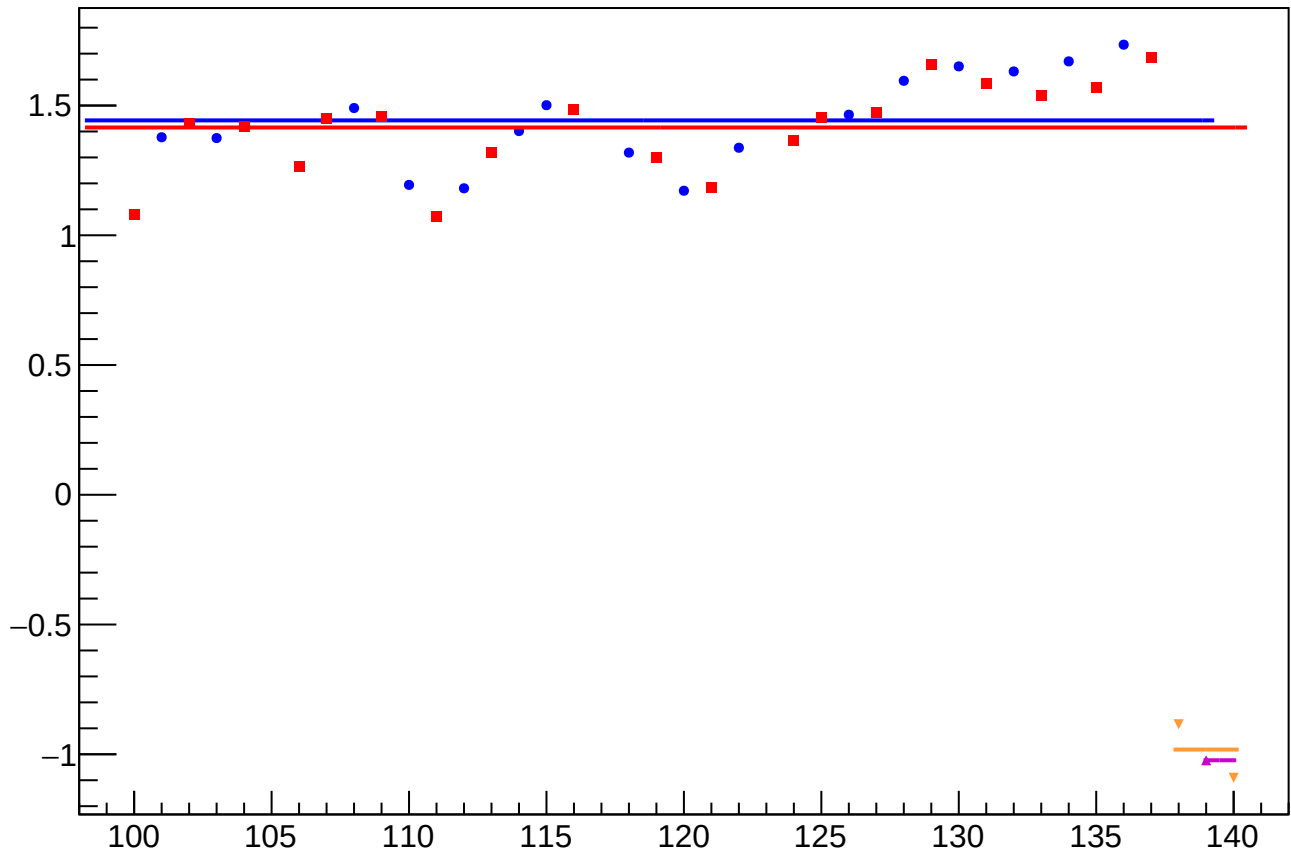
Left In: 0.013+/-0.000 χ^2/NDF :0.0/0

+ sign 0.011+/-0.000 χ^2/NDF : 247643.8/17

All: 0.011+/-0.000 χ^2/NDF : 519335.3/37

- sign 0.011+/-0.000 χ^2/NDF : 257254.9/19

yield_bpm1i02Y_mean vs Slug



Right In: 1.443 $\pm$ 0.000 χ^2 /NDF: 3739724691.1/15

Left Out: -0.982 $\pm$ 0.000 χ^2 /NDF: 163728756.7/1

+ sign 1.187 $\pm$ 0.000 χ^2 /NDF: 85165024617.0/17

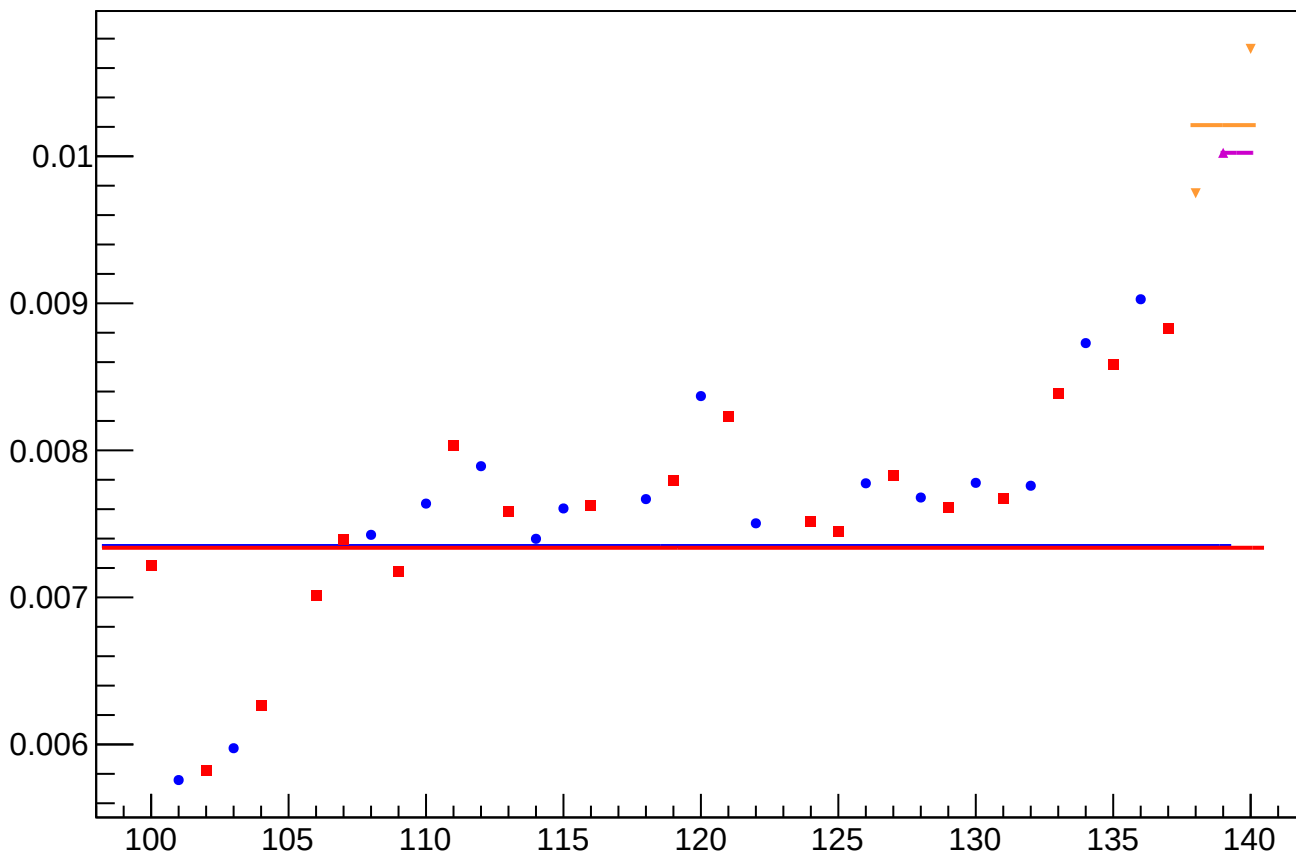
Right Out: 1.415 $\pm$ 0.000 χ^2 /NDF: 2803466123.0/18

All: 1.230 $\pm$ 0.000 χ^2 /NDF: 135650980825.4

- sign 1.274 $\pm$ 0.000 χ^2 /NDF: 49924151778.0/19

Left In: -1.023 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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 : 7430.5/1

Right Out: 0.007+/-0.000 χ^2/NDF : 195372.6/18

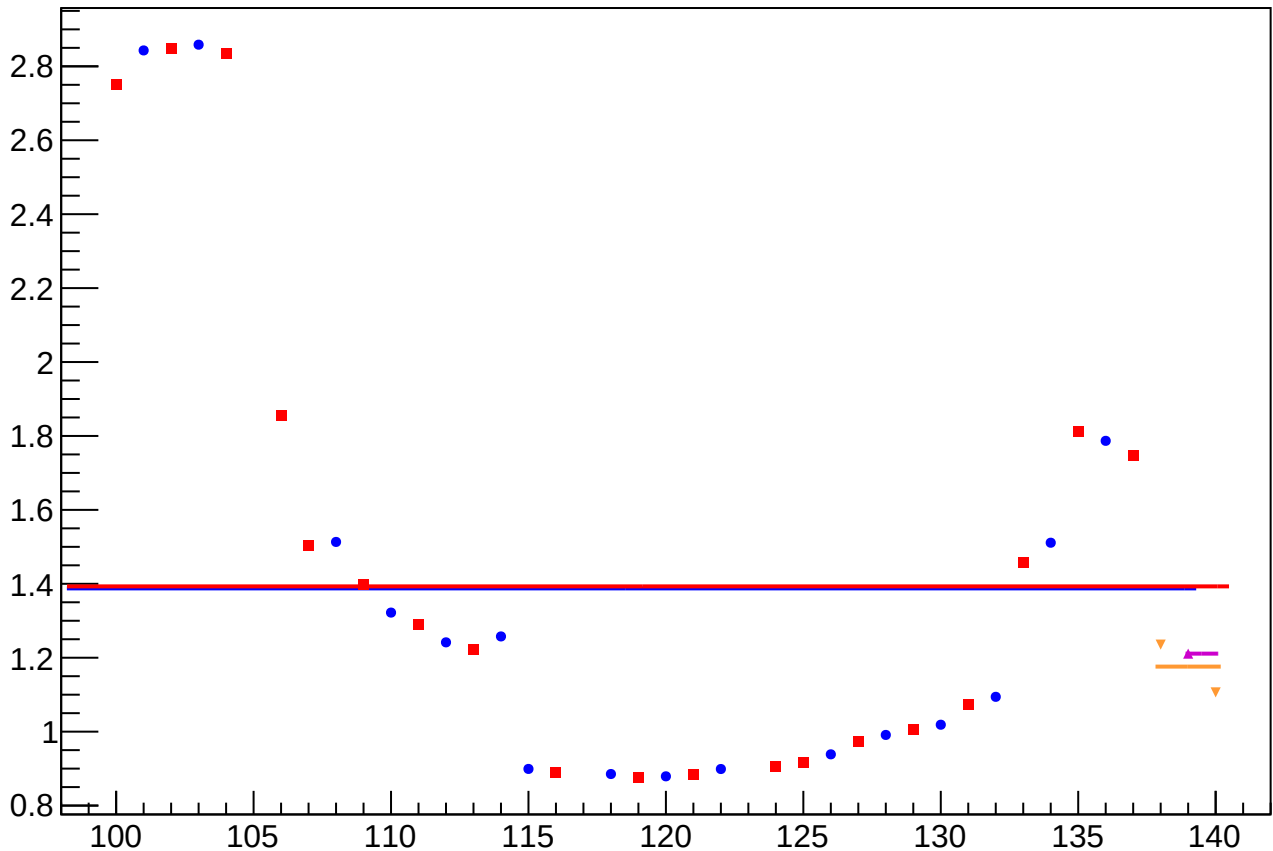
Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 504831.0/17

All: 0.008+/-0.000 χ^2/NDF : 818236.5/37

- sign 0.007+/-0.000 χ^2/NDF : 309725.5/19

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF : 58612635453.0/15

Left Out: 1.176+/-0.000 χ^2/NDF : 105979937.6/1

+ sign 1.357+/-0.000 χ^2/NDF : 59699262242.4/17

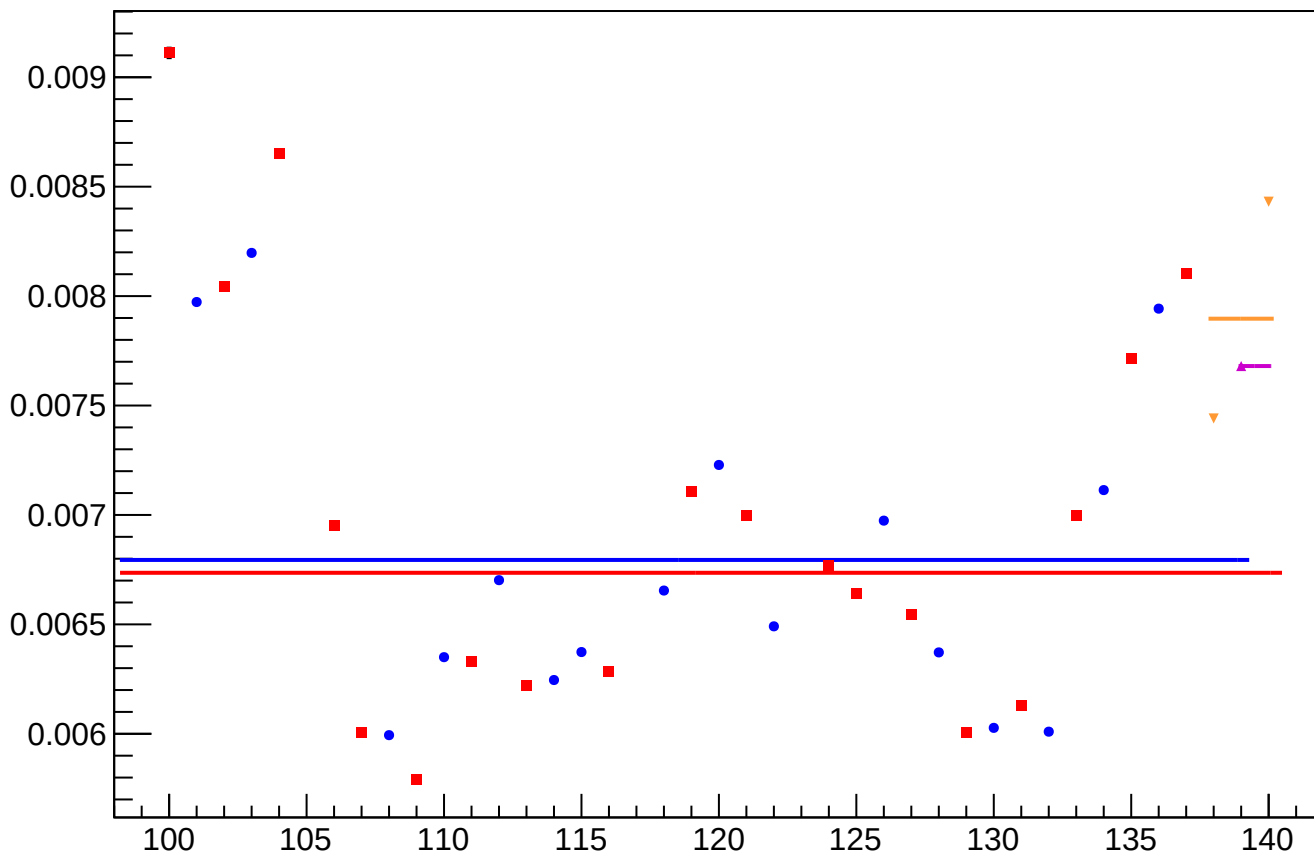
Right Out: 1.393+/-0.000 χ^2/NDF : 55365724659.7/18

All: 1.368+/-0.000 χ^2/NDF : 115536260221.4

- sign 1.378+/-0.000 χ^2/NDF : 55798131828.4/19

Left In: 1.211+/-0.000 χ^2/NDF : 0.0/0

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 164456.7/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:12446.6/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 198492.7/18

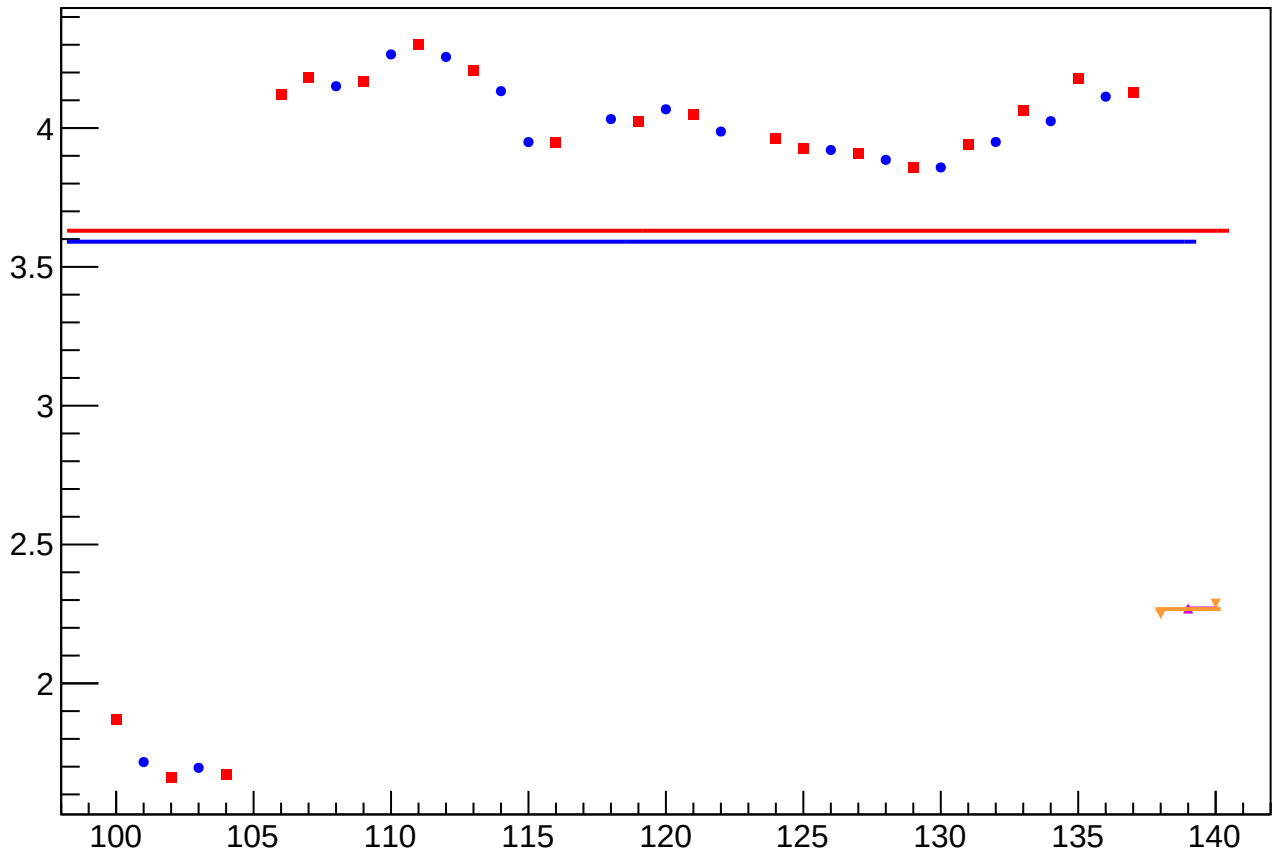
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 230136.4/17

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 455401.8/37

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 221800.8/19

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 : 11241449.3/1

Right Out: 3.630+/-0.000 χ^2/NDF : 212588390342.3/18

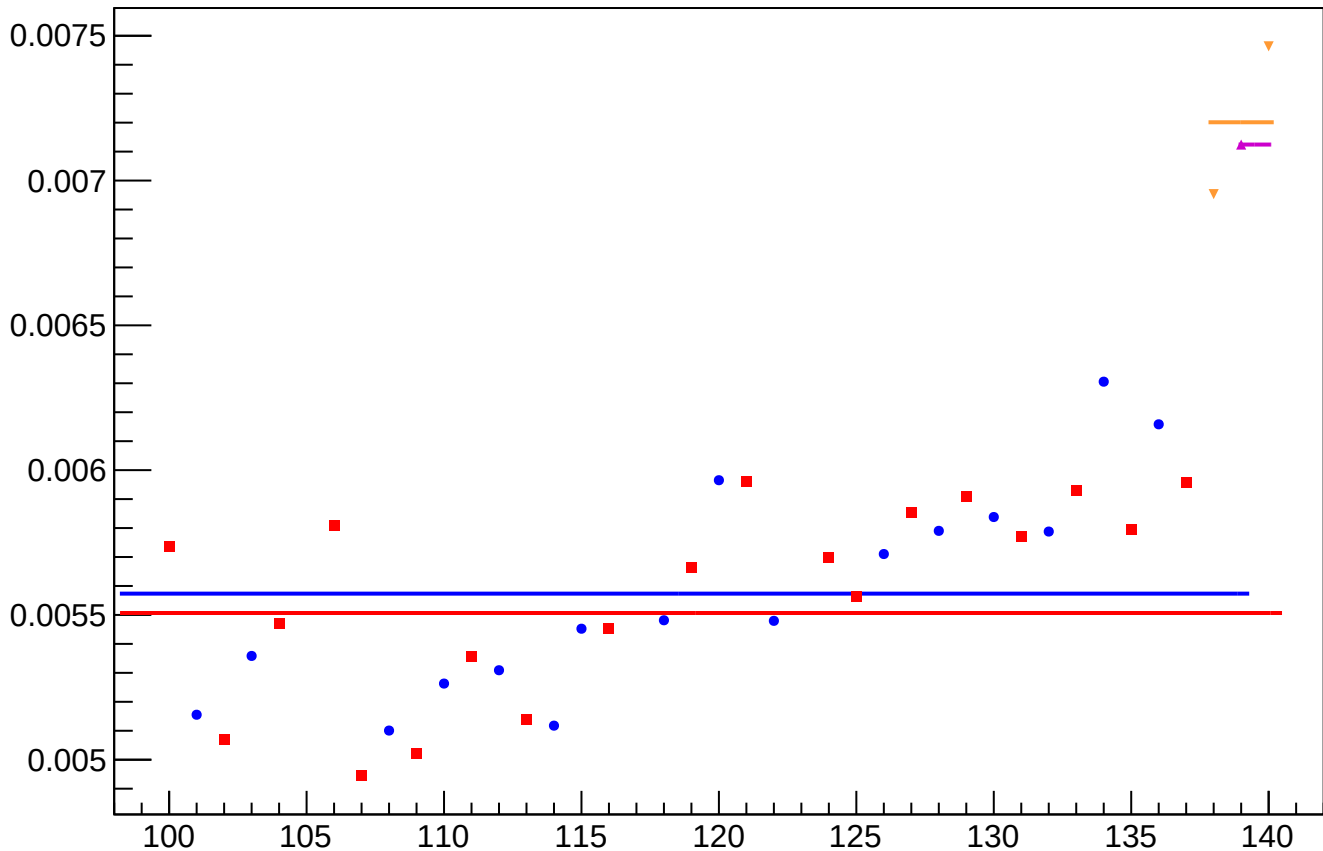
Left In: 2.270+/-0.000 χ^2/NDF : 0.0/0

+ sign 3.435+/-0.000 χ^2/NDF : 249824835592.4/17

All: 3.488+/-0.000 χ^2/NDF : 492612280558.6

- sign 3.543+/-0.000 χ^2/NDF : 241277381566.2/19

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 : 4013.3/1

Right Out: 0.006+/-0.000 χ^2/NDF : 57427.9/18

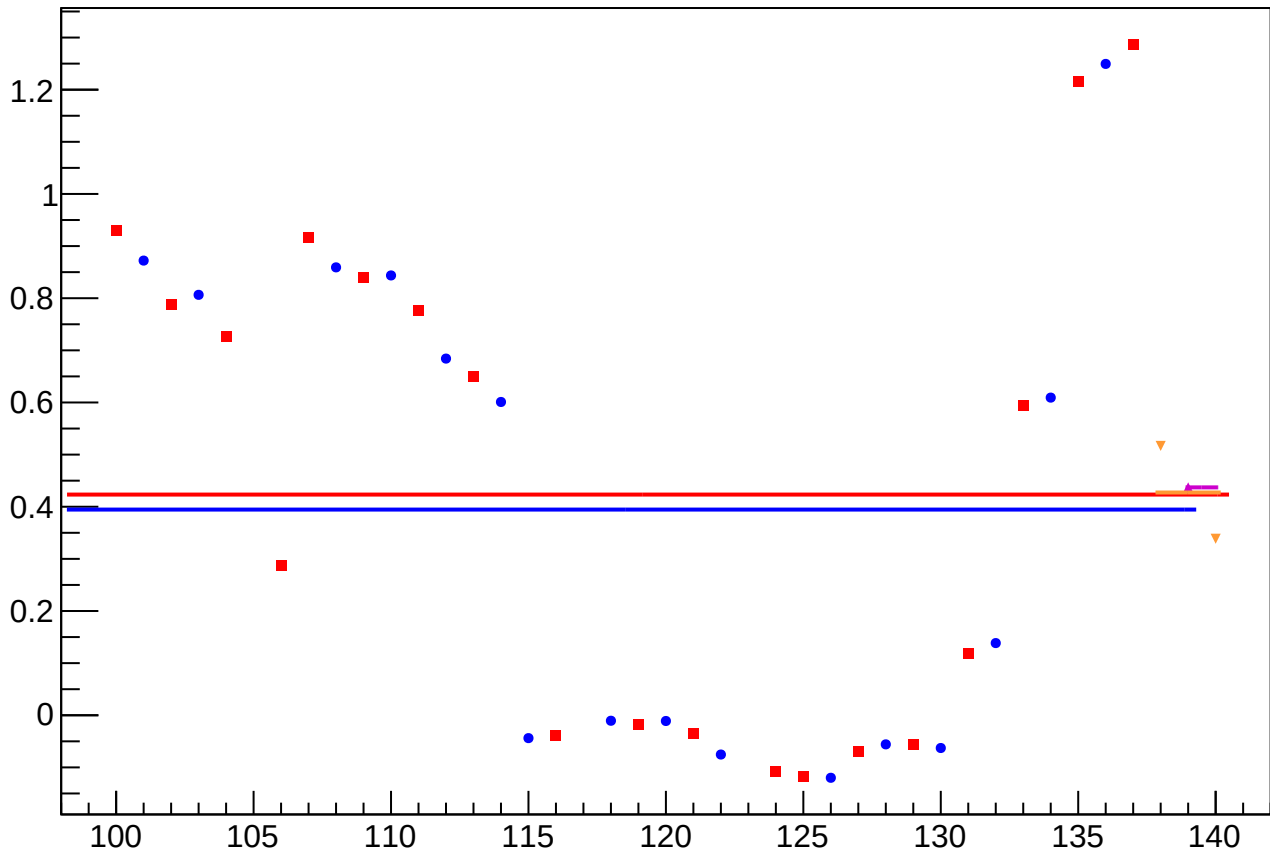
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 207287.0/17

All: 0.006+/-0.000 χ^2/NDF : 352030.9/37

- sign 0.006+/-0.000 χ^2/NDF : 138535.8/19

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF : 7412548044.8/15

Left Out: 0.427+/-0.000 χ^2/NDF : 48034329.7/1

Right Out: 0.423+/-0.000 χ^2/NDF : 6904060515.1/18

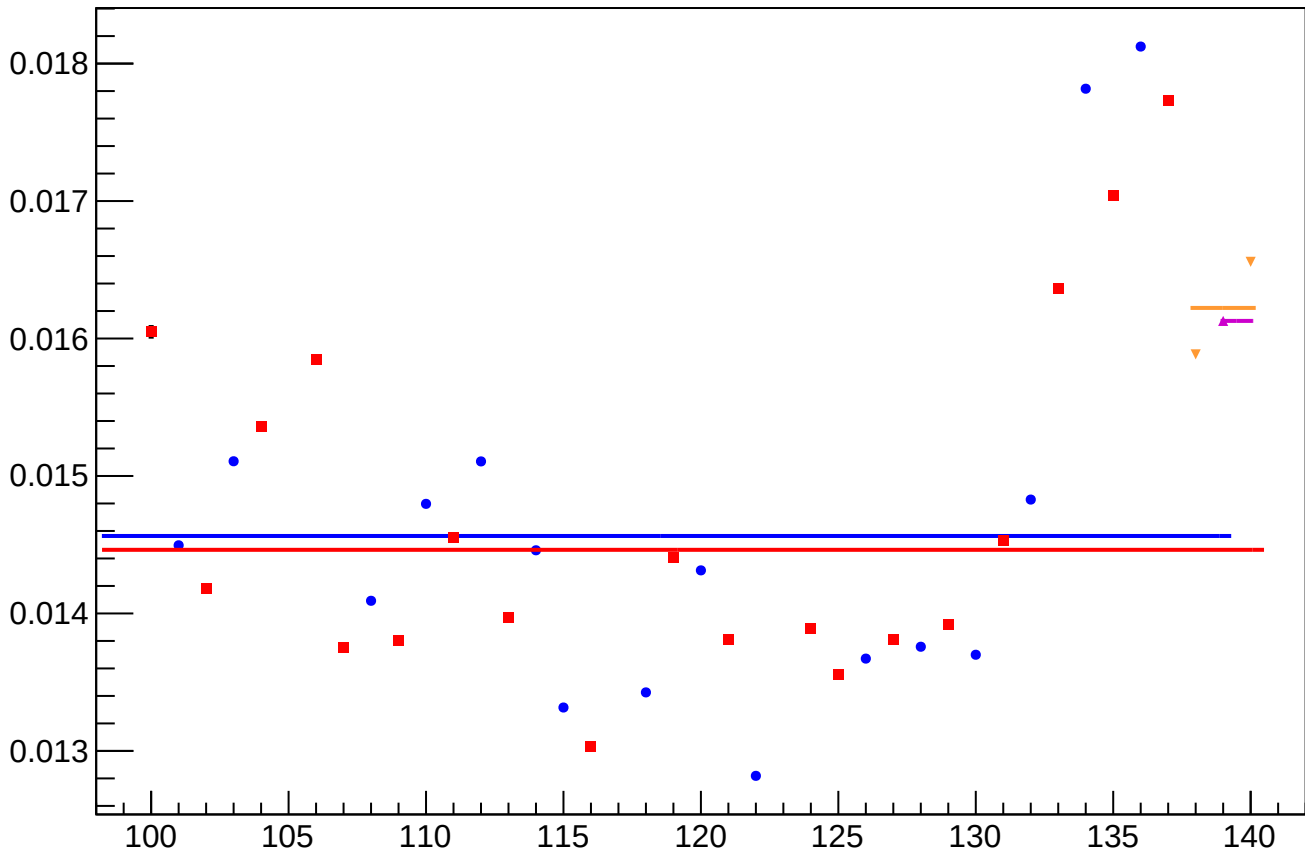
Left In: 0.437+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.400+/-0.000 χ^2/NDF : 7466078857.9/17

All: 0.412+/-0.000 χ^2/NDF : 14382740721.4/3

- sign 0.425+/-0.000 χ^2/NDF : 6904623551.5/19

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 :1372.8/1

Right Out: 0.014+/-0.000 χ^2/NDF : 77396.3/18

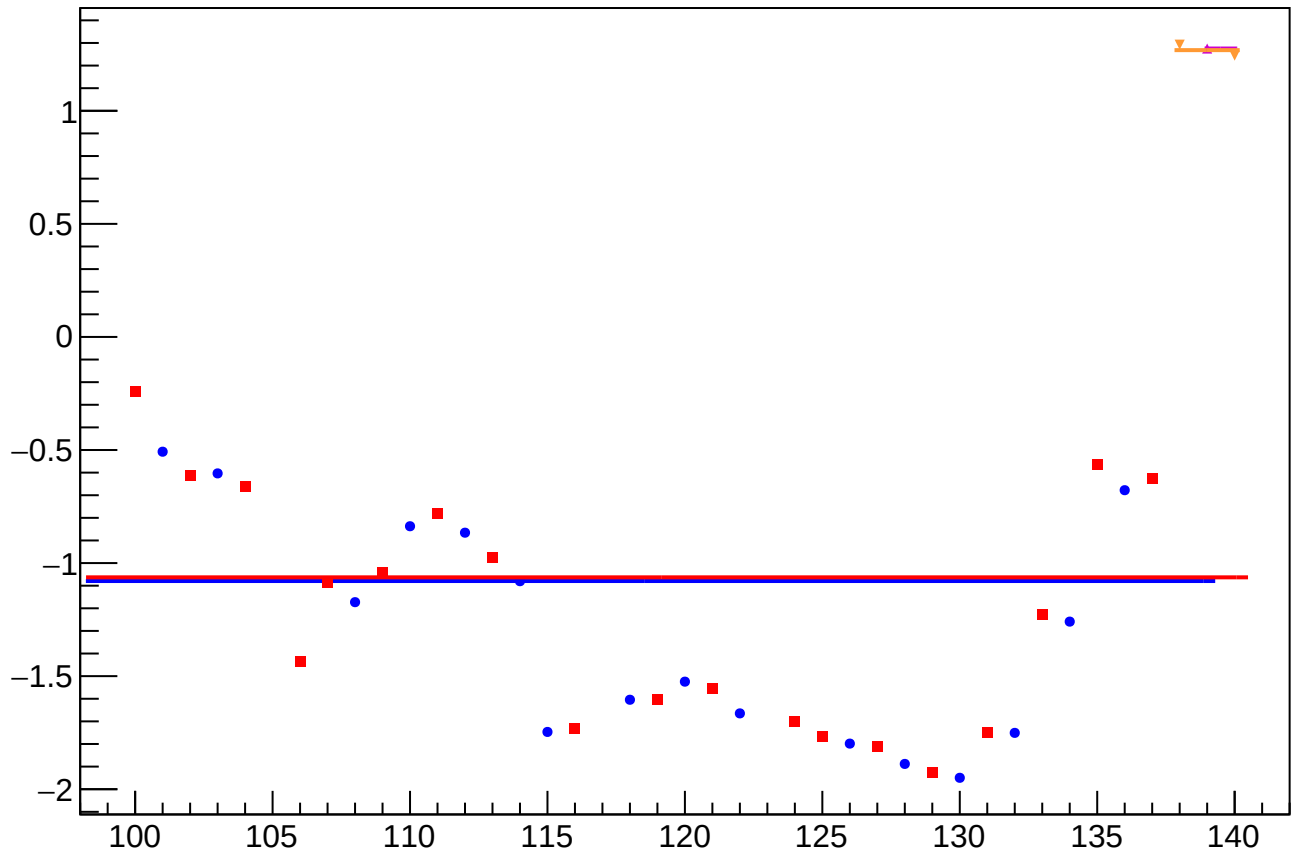
Left In: 0.016+/-0.000 χ^2/NDF :0.0/0

+ sign 0.015+/-0.000 χ^2/NDF : 162740.4/17

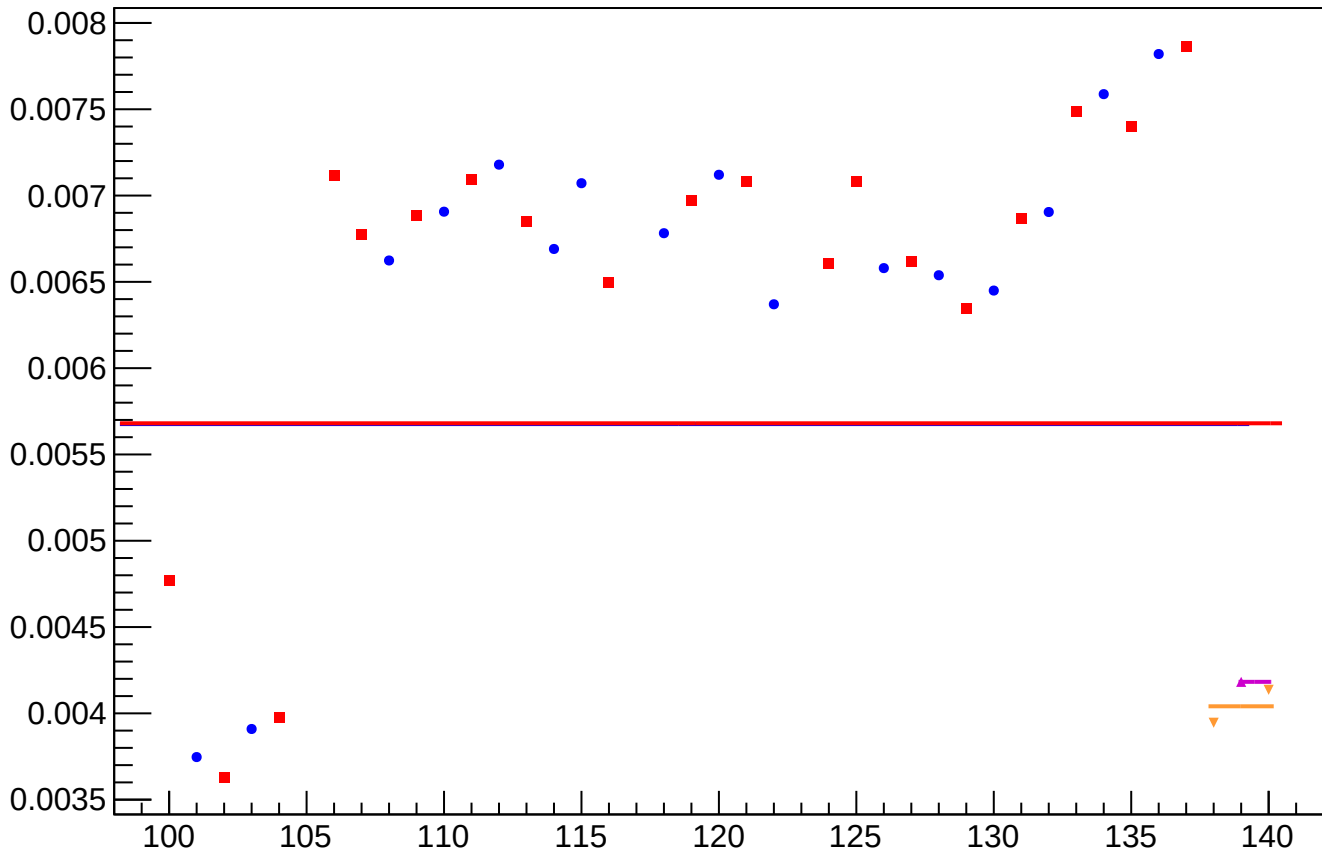
All: 0.015+/-0.000 χ^2/NDF : 258298.9/37

- sign 0.015+/-0.000 χ^2/NDF : 93786.7/19

yield_bpm1i06Y_mean vs Slug



yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 944822.9/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1715.2/1

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 980583.9/18

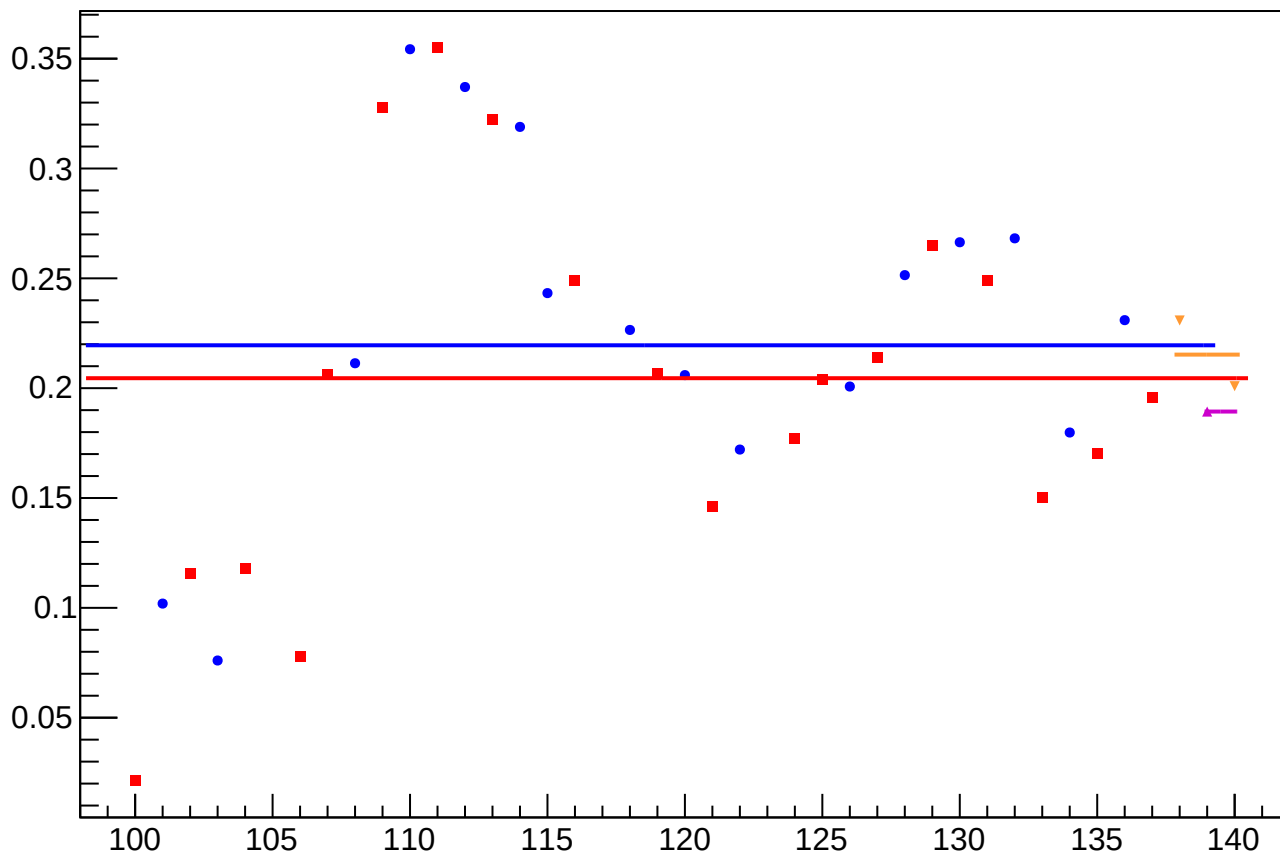
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1287648.9/17

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2452488.2/37

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1147748.3/19

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF : 16729743257.8/15

Left Out: 0.215+/-0.000 χ^2/NDF :180635217.1/1

Right Out: 0.205+/-0.000 χ^2/NDF : 22312377506.1/18

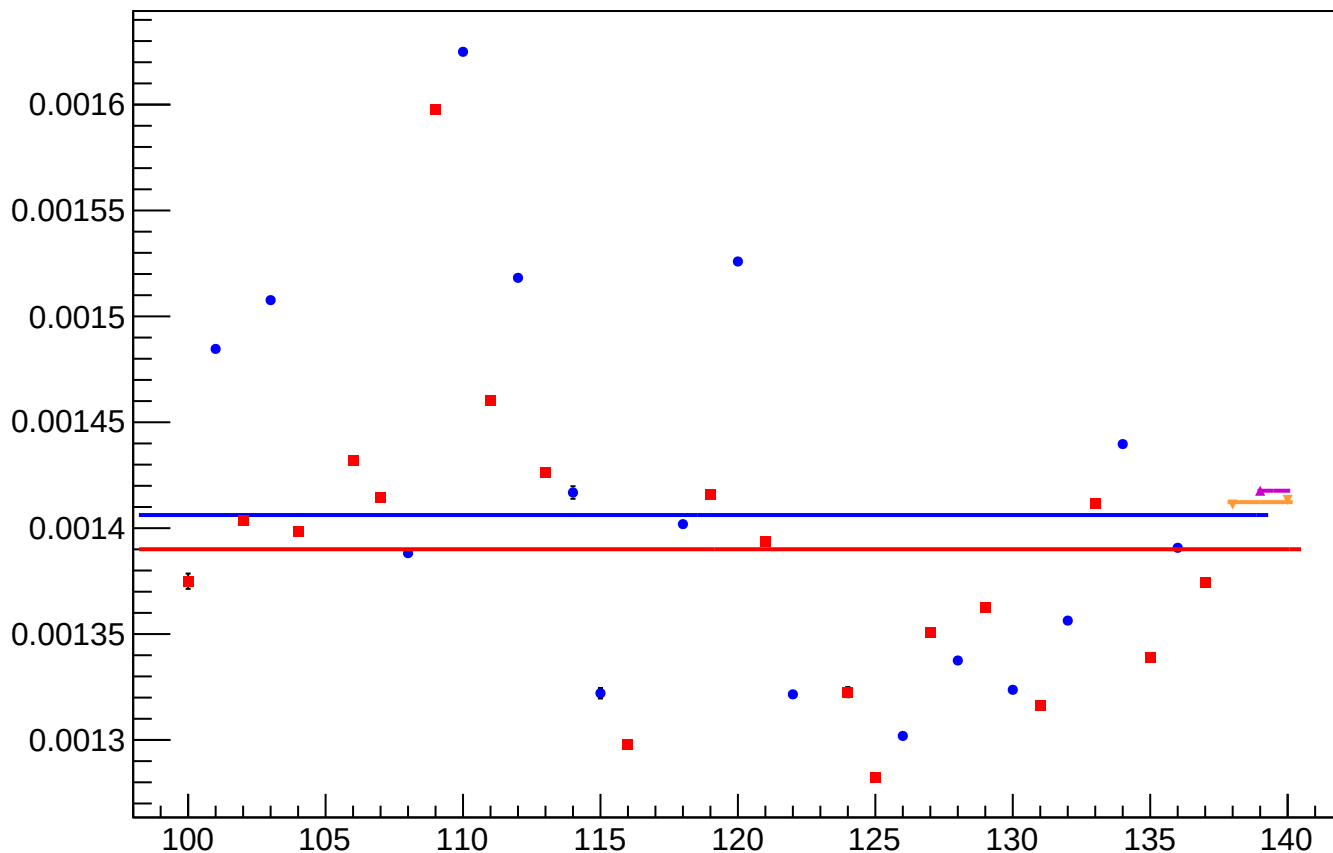
Left In: 0.189+/-0.000 χ^2/NDF :0.0/0

+ sign 0.219+/-0.000 χ^2/NDF : 16922210126.0/17

All: 0.211+/-0.000 χ^2/NDF : 39846941370.4/3

- sign 0.203+/-0.000 χ^2/NDF : 22399294987.4/19

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 : 2.0/1

Right Out: 0.001+/-0.000 χ^2/NDF : 34786.9/18

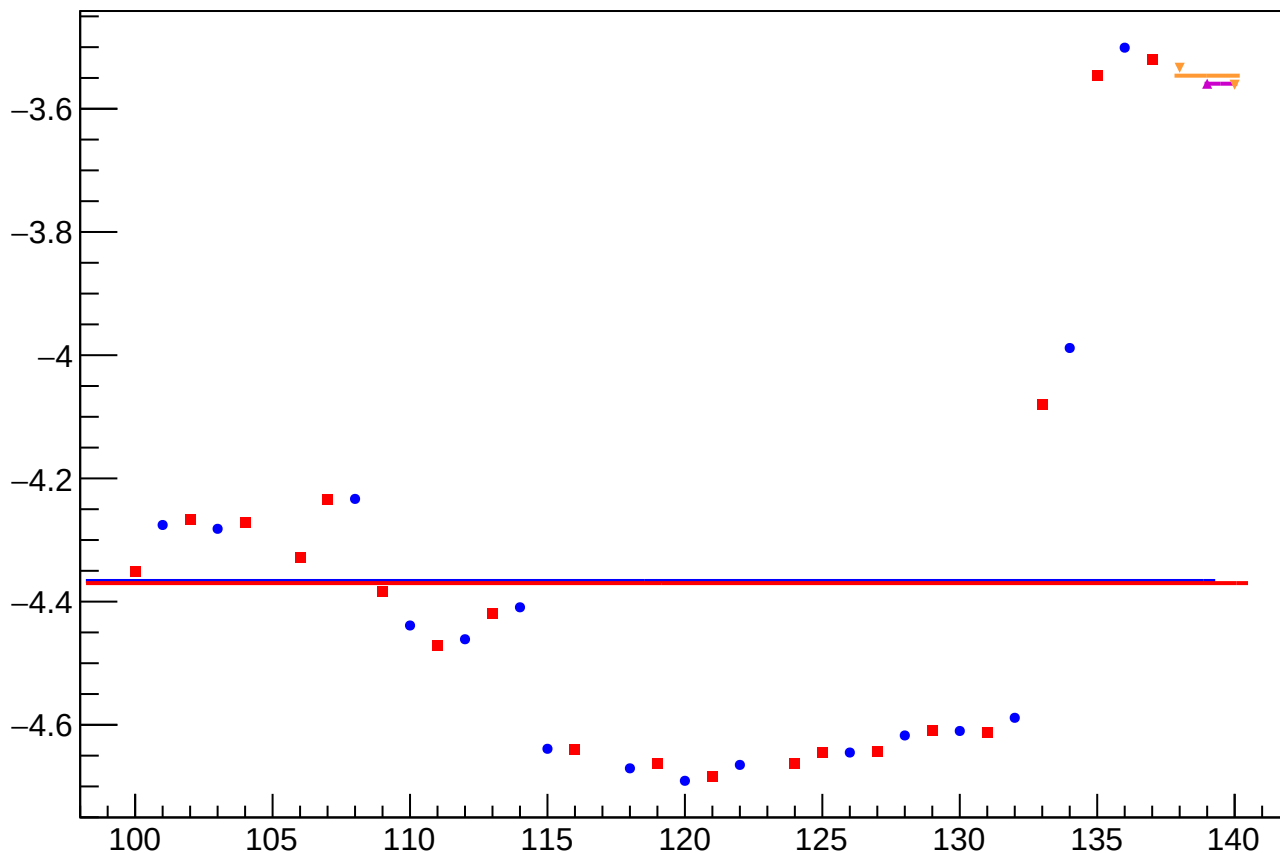
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 48251.3/17

All: 0.001+/-0.000 χ^2/NDF : 84515.5/37

- sign 0.001+/-0.000 χ^2/NDF : 35362.4/19

yield_bpm2i01Y_mean vs Slug



Right In: -4.367+/-0.000 χ^2/NDF : 353013303743.6/15

Left Out: -3.546+/-0.000 χ^2/NDF : 102322019.3/1

Right Out: -4.370+/-0.000 χ^2/NDF : 296136368274.3/18

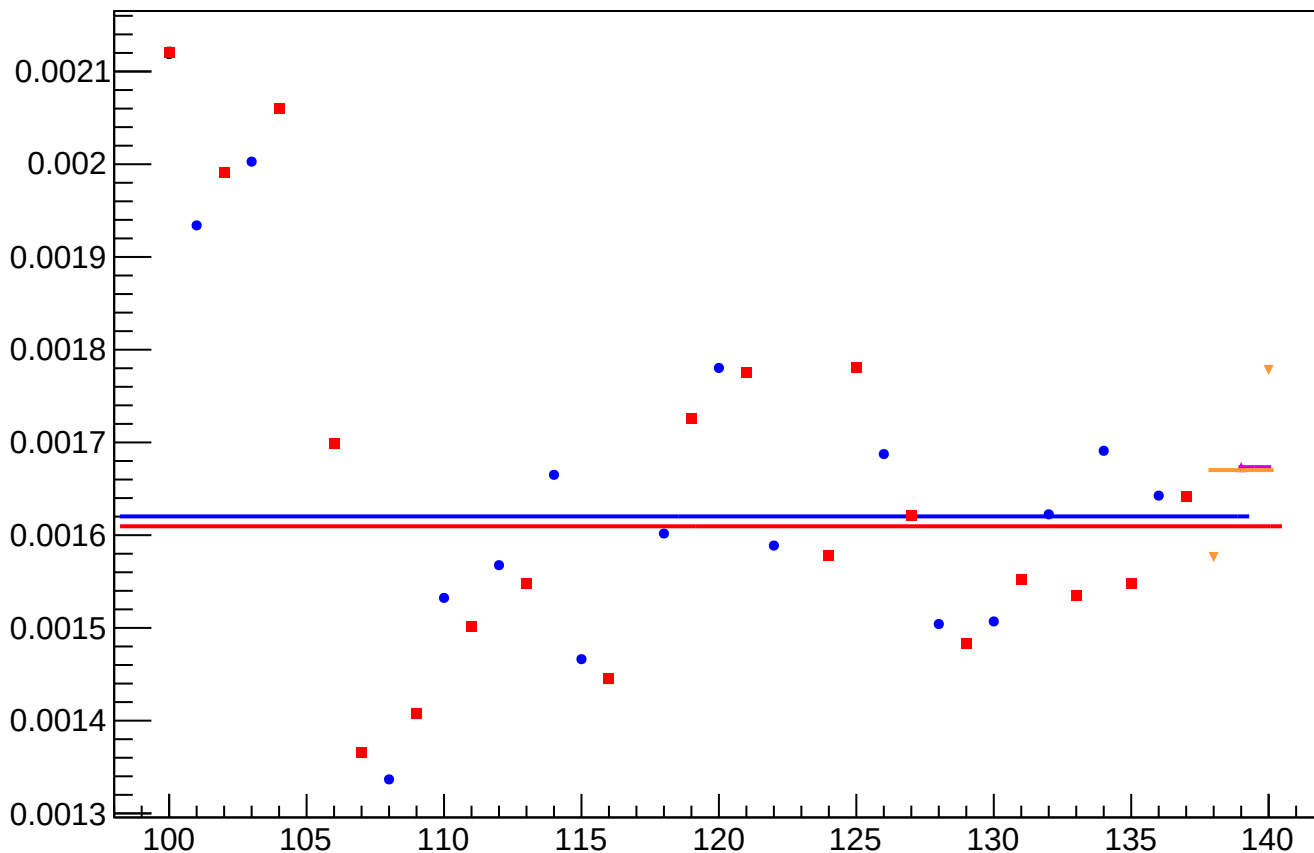
Left In: -3.559+/-0.000 χ^2/NDF : 0.0/0

+ sign -4.226+/-0.000 χ^2/NDF : 655915610801.2/17

All: -4.258+/-0.000 χ^2/NDF : 1131540477251

- sign -4.292+/-0.000 χ^2/NDF : 468679050677.2/19

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 140216.3/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:11010.7/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 184968.0/18

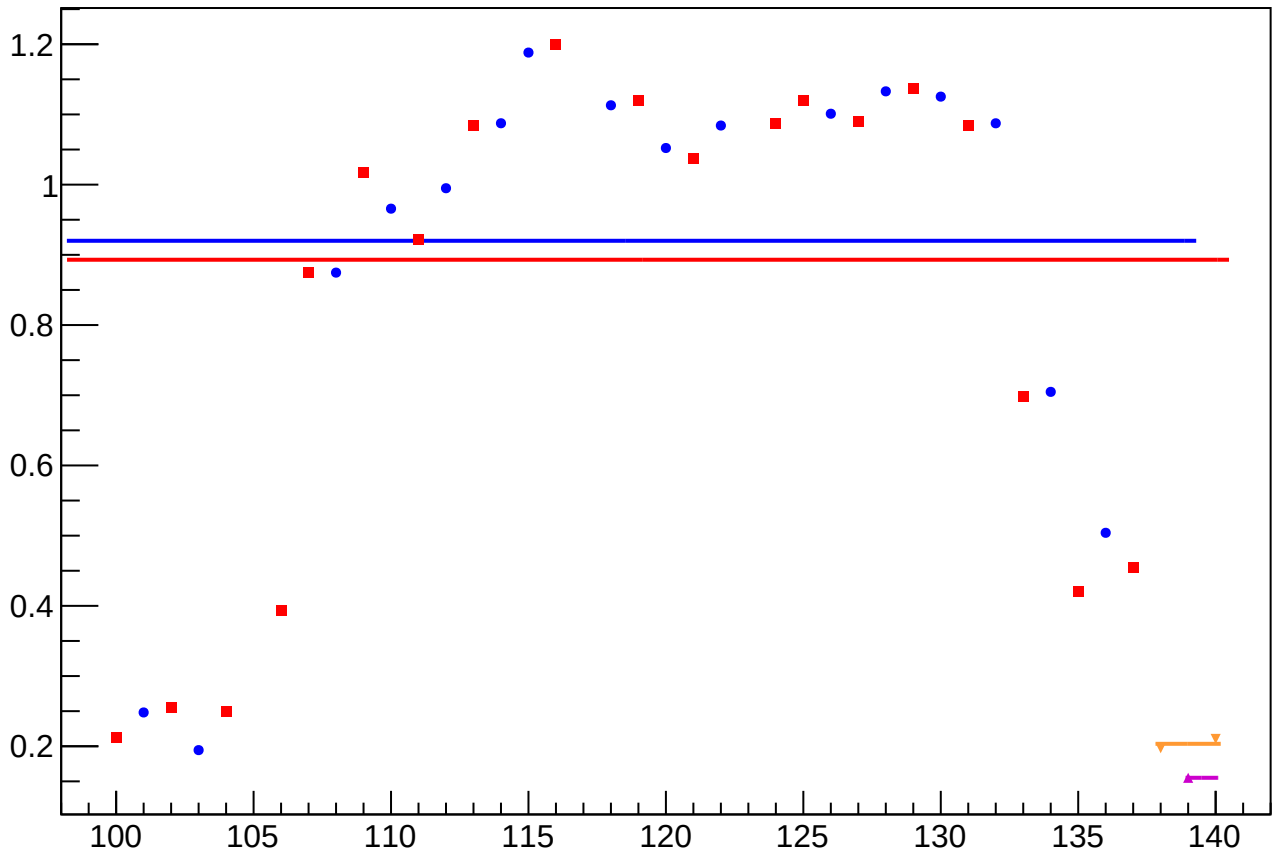
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 153472.6/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 341113.8/37

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 187105.2/19

yield_bpm2i02X_mean vs Slug



Right In: 0.920 $\pm$ 0.000 χ^2 /NDF: 14566431727.4/15

Left Out: 0.203 $\pm$ 0.000 χ^2 /NDF:1005678.1/1

Right Out: 0.893 $\pm$ 0.000 χ^2 /NDF: 17642154019.1/18

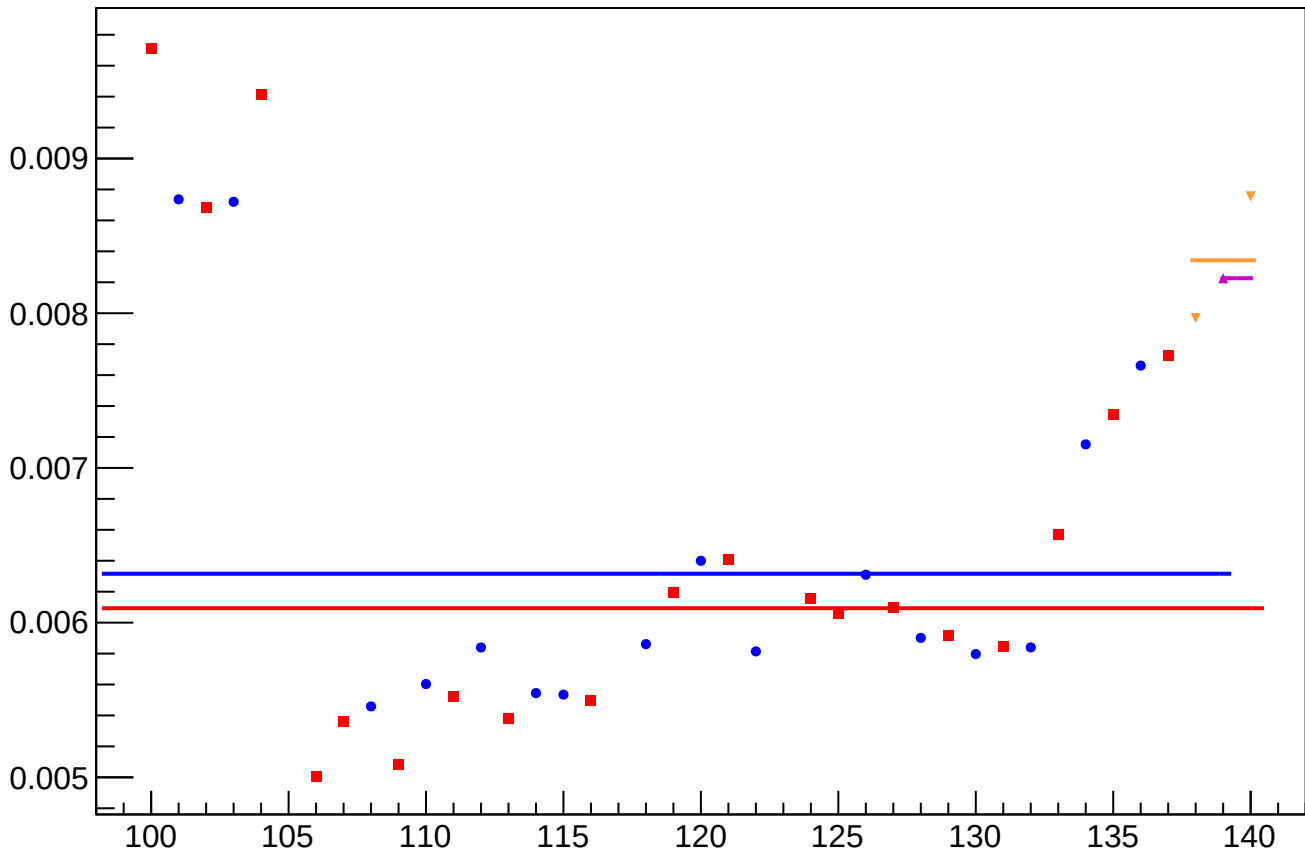
Left In: 0.155 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.837 $\pm$ 0.000 χ^2 /NDF: 24985813150.7/17

All: 0.843 $\pm$ 0.000 χ^2 /NDF: 49012810754.5/3

- sign 0.849 $\pm$ 0.000 χ^2 /NDF: 24013494717.3/19

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF : 7089.3/1

Right Out: 0.006+/-0.000 χ^2/NDF : 435933.6/18

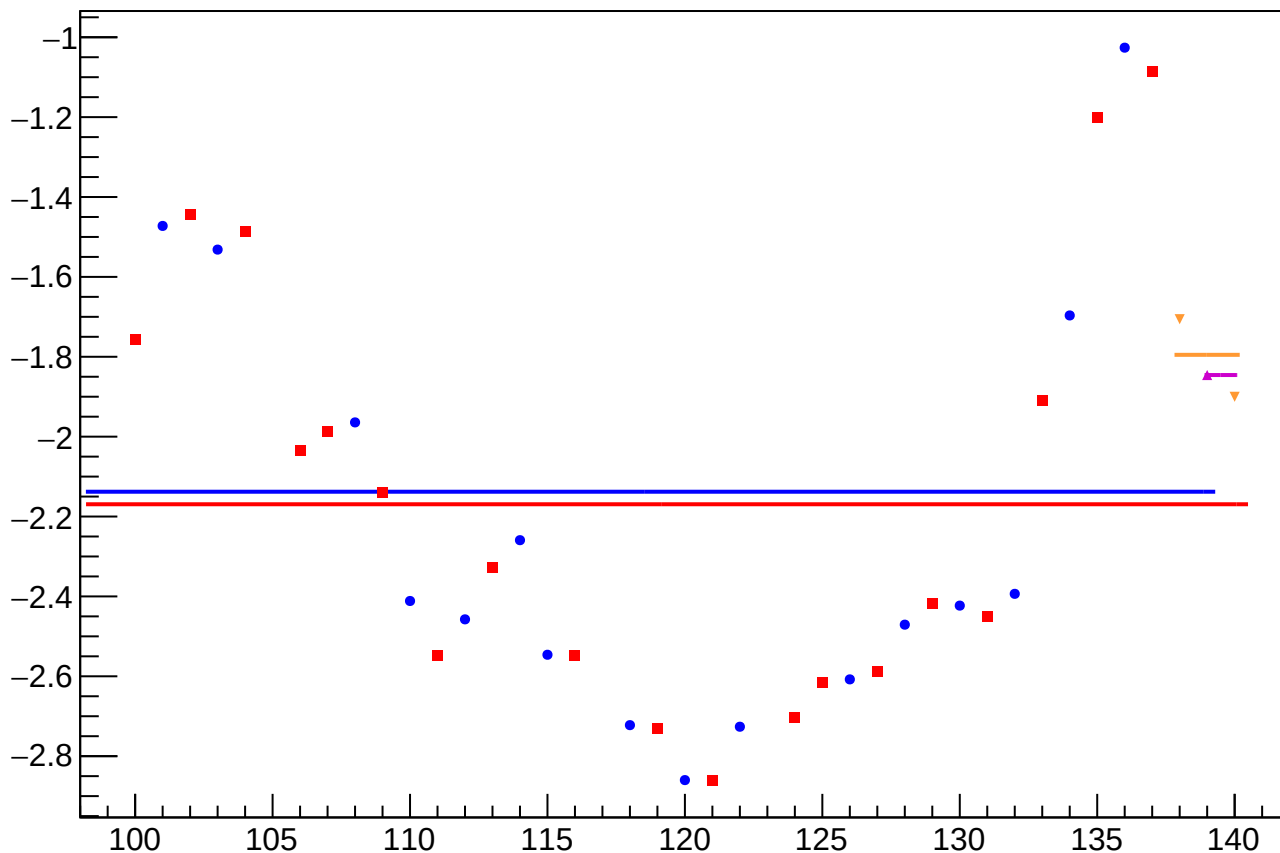
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 509381.5/17

All: 0.006+/-0.000 χ^2/NDF : 1073773.2/37

- sign 0.006+/-0.000 χ^2/NDF : 542395.0/19

yield_bpm2i02Y_mean vs Slug



Right In: -2.138+/-0.000 χ^2/NDF : 65666622158.4/15

Left Out: -1.795+/-0.000 χ^2/NDF : 279781933.2/1

Right Out: -2.169+/-0.000 χ^2/NDF : 57409196879.6/18

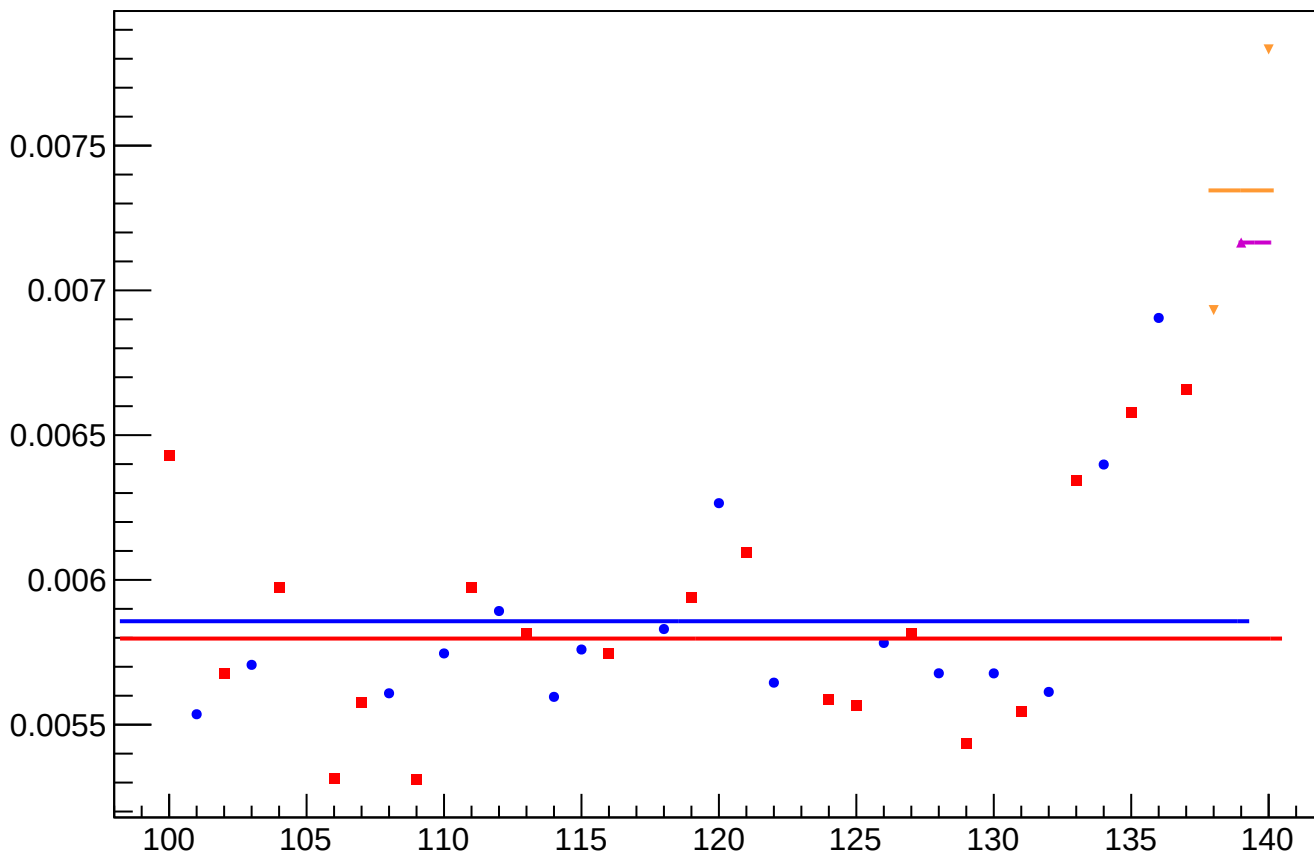
Left In: -1.846+/-0.000 χ^2/NDF : 0.0/0

+ sign -2.095+/-0.000 χ^2/NDF : 69016008463.3/17

All: -2.121+/-0.000 χ^2/NDF : 128349233599.7

- sign -2.147+/-0.000 χ^2/NDF : 59013174580.2/19

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF :12018.9/1

Right Out: 0.006+/-0.000 χ^2/NDF : 56374.2/18

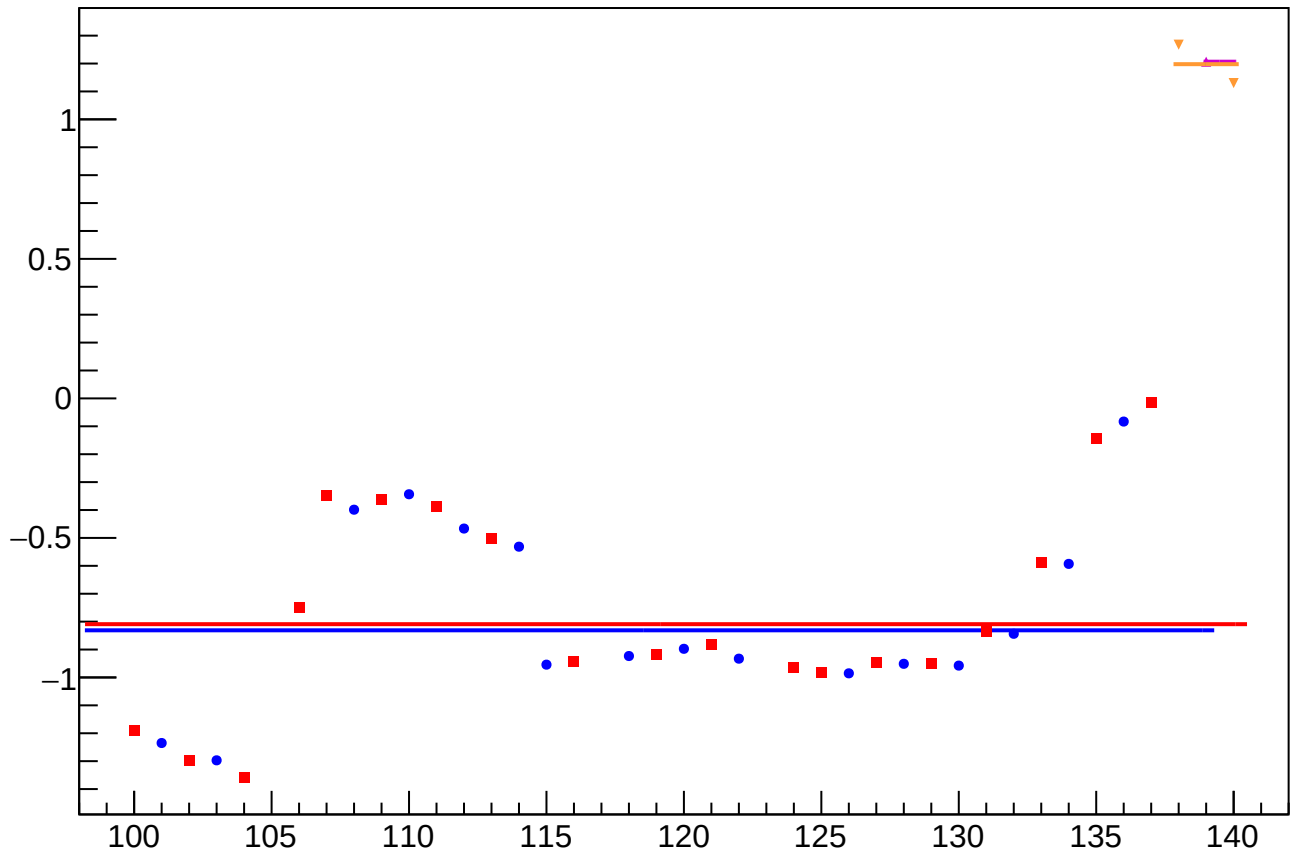
Left In: 0.007+/-0.000 χ^2/NDF :0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 189674.5/17

All: 0.006+/-0.000 χ^2/NDF : 308821.3/37

- sign 0.006+/-0.000 χ^2/NDF : 113709.1/19

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 7112259663.3/15

Left Out: 1.198 ± 0.000 χ^2/NDF : 47038788.0/1

Right Out: -0.809 ± 0.000 χ^2/NDF : 8146337898.7/18

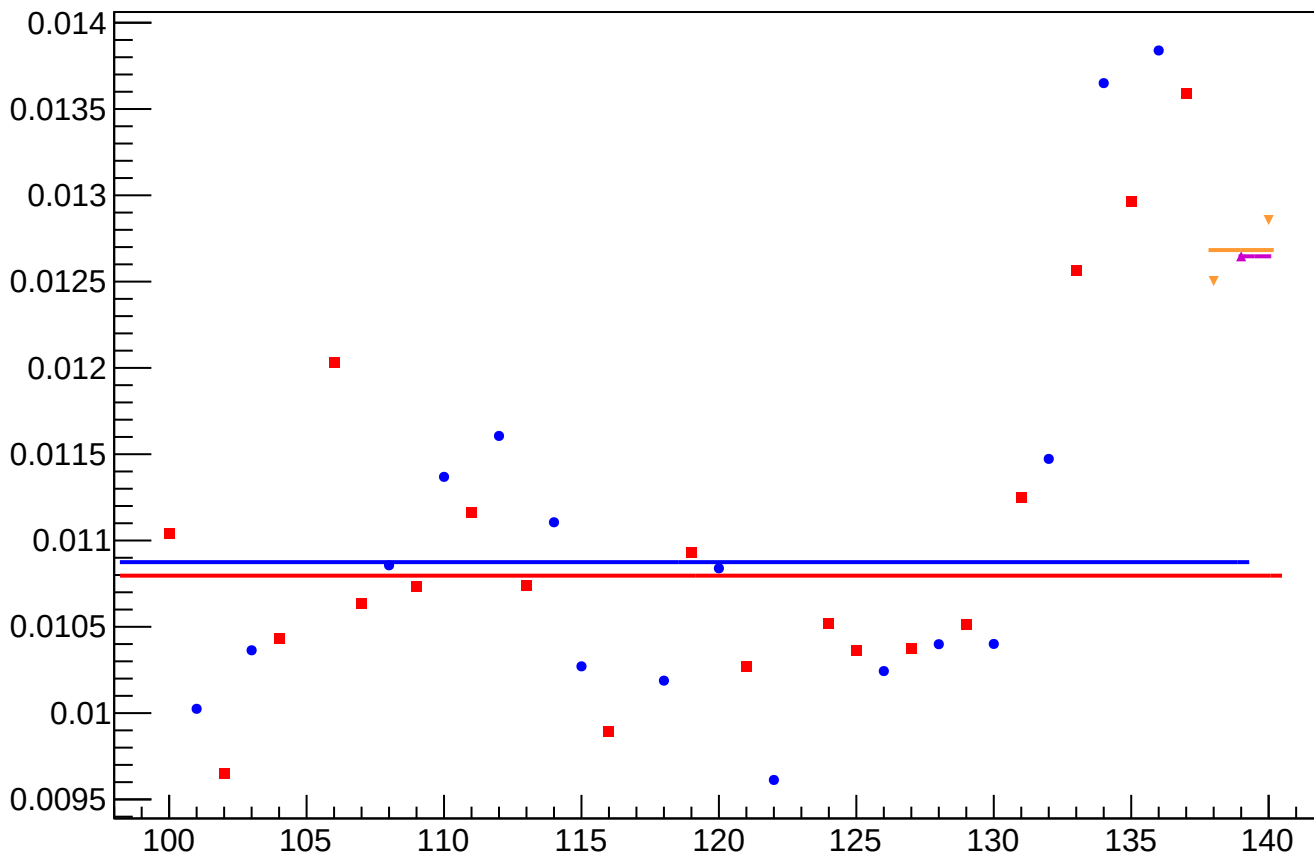
Left In: 1.207 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.541 ± 0.000 χ^2/NDF : 42230427344.0/17

All: -0.595 ± 0.000 χ^2/NDF : 70469927696.9

- sign -0.652 ± 0.000 χ^2/NDF : 27817367140.7/19

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 : 621.3/1

Right Out: 0.011+/-0.000 χ^2/NDF : 99122.1/18

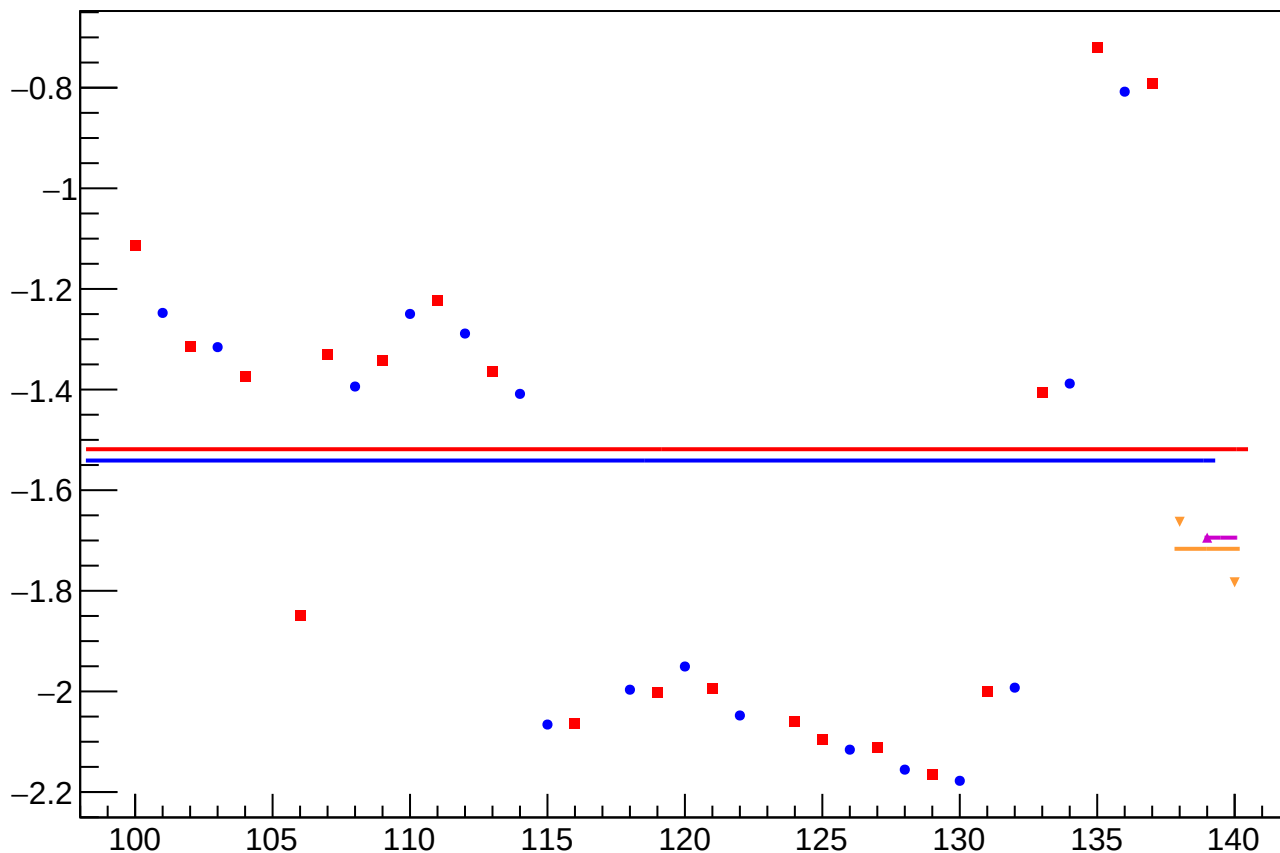
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.011+/-0.000 χ^2/NDF : 213946.4/17

All: 0.011+/-0.000 χ^2/NDF : 348756.6/37

- sign 0.011+/-0.000 χ^2/NDF : 132270.6/19

yield_bpm0i01Y_mean vs Slug



Right In: -1.541+/-0.000 χ^2/NDF : 162409397922.2/15

Left Out: -1.717+/-0.000 χ^2/NDF : 698729764.1/1

Right Out: -1.519+/-0.000 χ^2/NDF : 145077318641.2/18

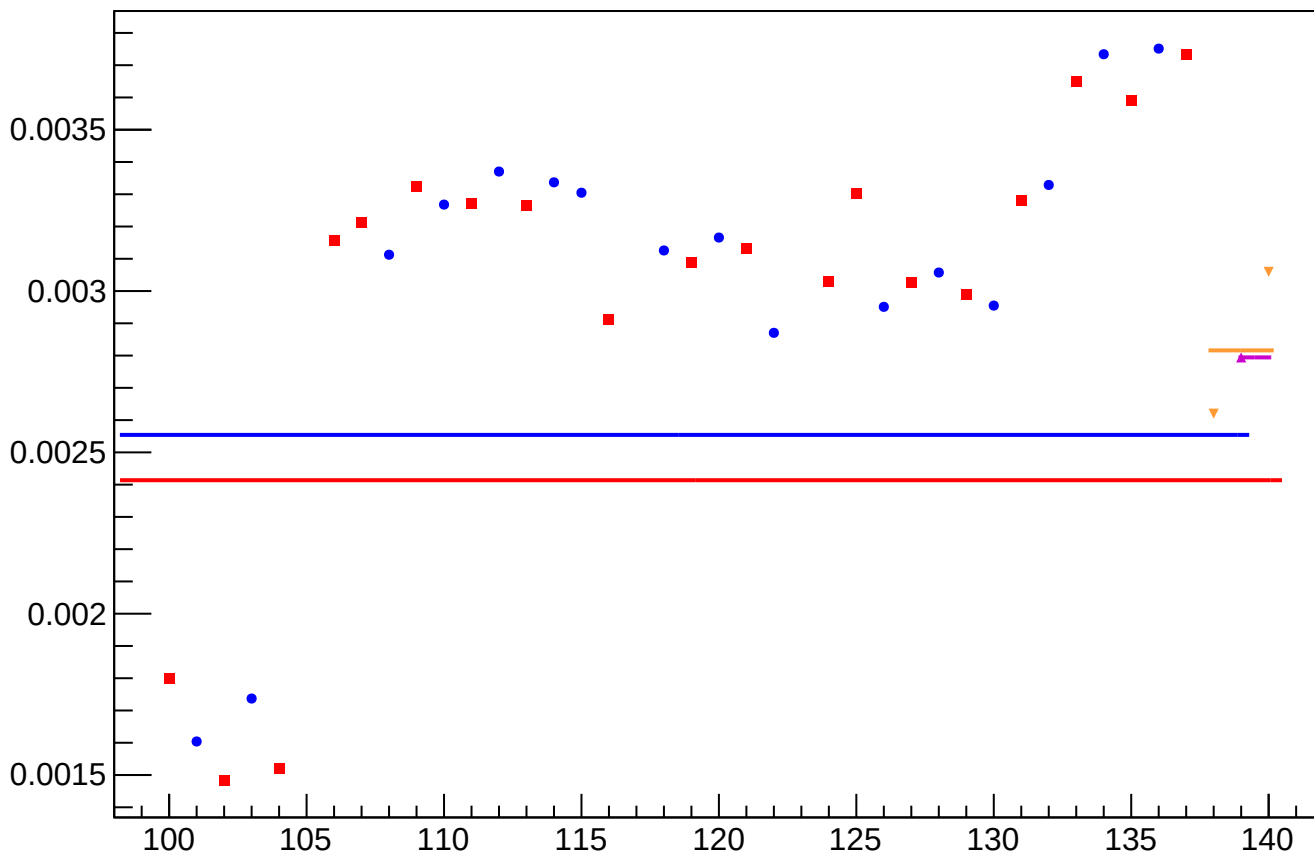
Left In: -1.694+/-0.000 χ^2/NDF : 0.0/0

+ sign -1.572+/-0.000 χ^2/NDF : 168074426017.2/17

All: -1.553+/-0.000 χ^2/NDF : 316804009896.3

- sign -1.535+/-0.000 χ^2/NDF : 147970625133.8/19

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 :18645.7/1

Right Out: 0.002+/-0.000 χ^2/NDF : 1546830.8/18

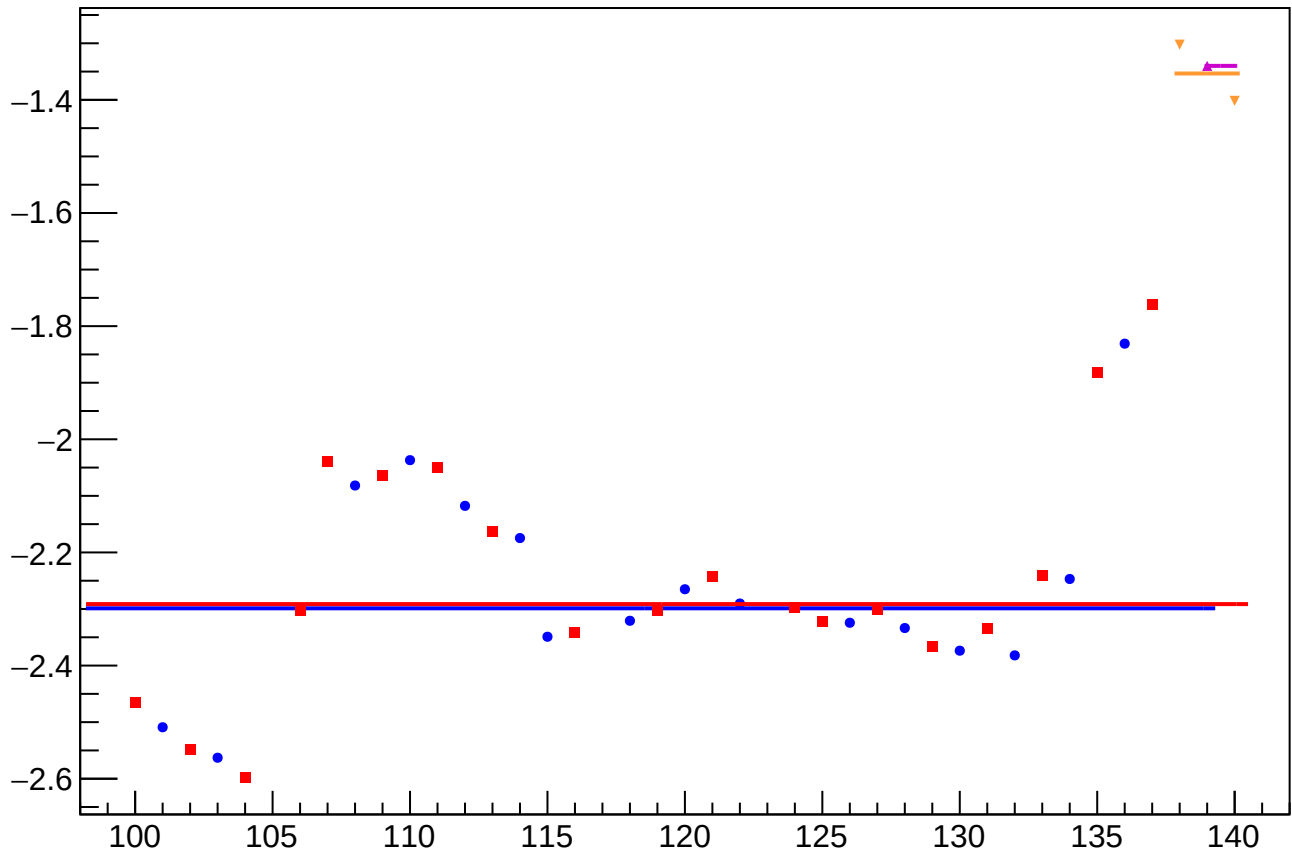
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 1213210.3/17

All: 0.003+/-0.000 χ^2/NDF : 2812734.3/37

- sign 0.002+/-0.000 χ^2/NDF : 1573965.6/19

yield_bpm0i01aX_mean vs Slug



Right In: -2.299+/-0.000 χ^2/NDF : 6129071089.8/15

Left Out: -1.353+/-0.000 χ^2/NDF : 50599350.4/1

Right Out: -2.291+/-0.000 χ^2/NDF : 6831007568.9/18

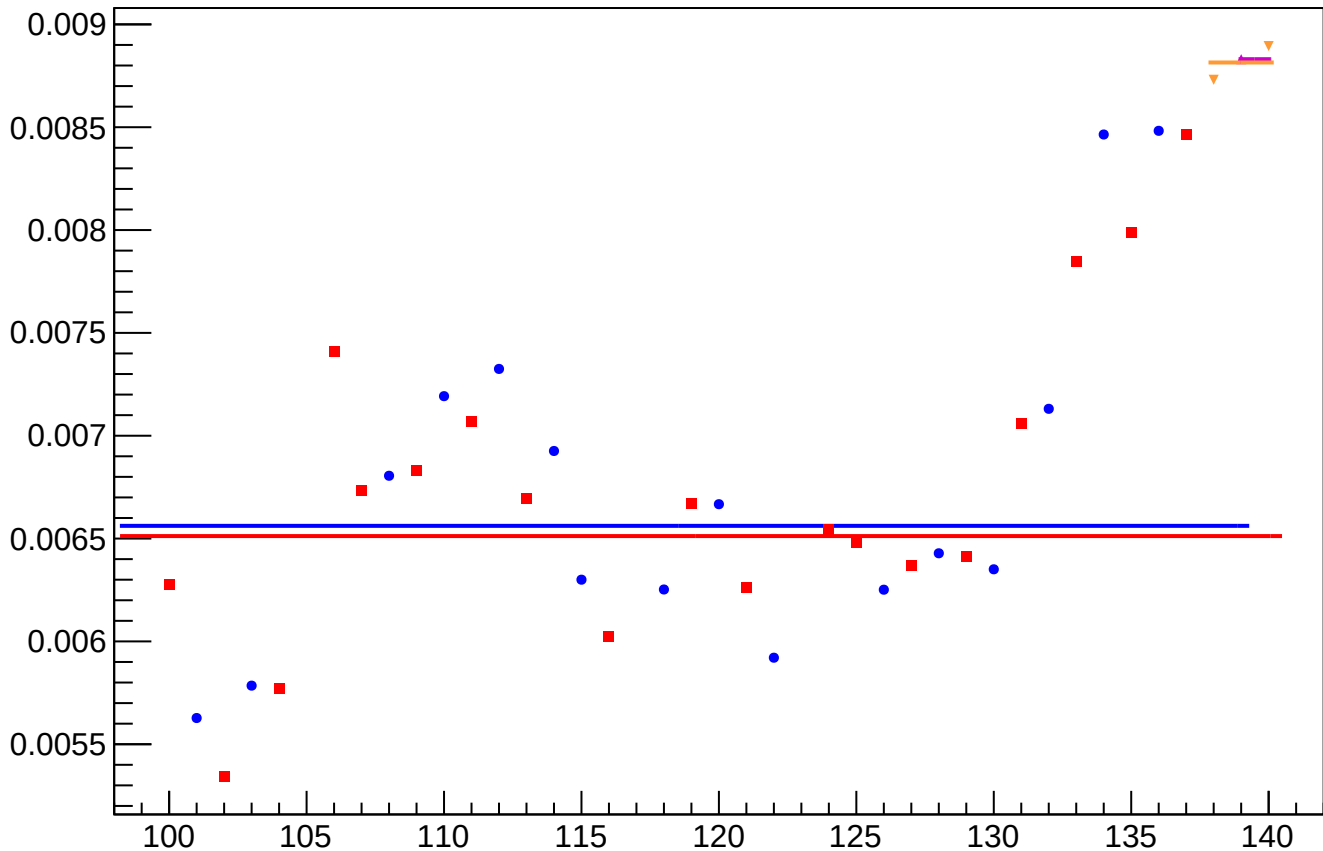
Left In: -1.340+/-0.000 χ^2/NDF : 0.0/0

+ sign -2.192+/-0.000 χ^2/NDF : 22458515151.5/17

All: -2.213+/-0.000 χ^2/NDF : 38576136939.4/19

- sign -2.234+/-0.000 χ^2/NDF : 15956250445.1/19

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 221890.3/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:275.2/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 184961.7/18

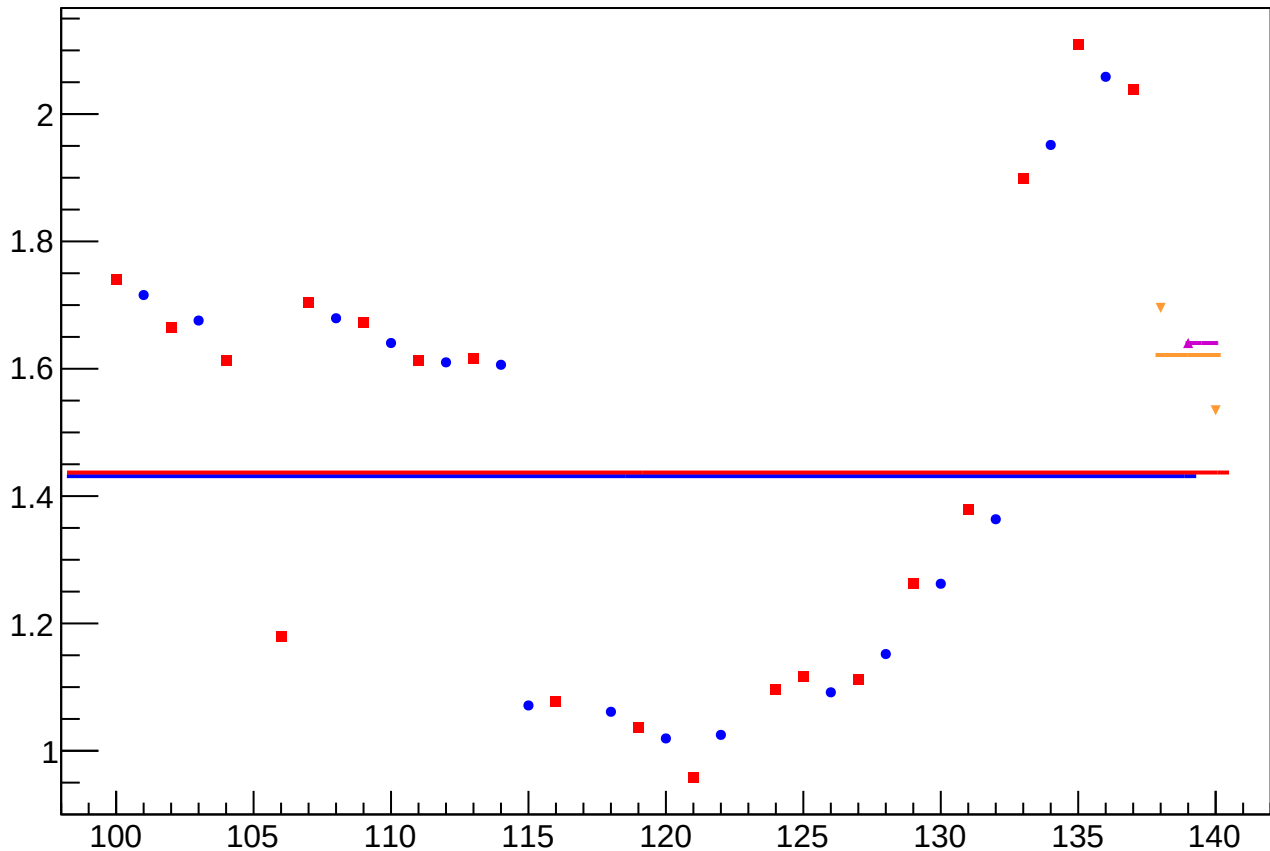
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 407054.8/17

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 705330.1/37

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 293358.2/19

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF : 189180734956.1/15

Left Out: 1.622+/-0.000 χ^2/NDF : 479472432.4/1

Right Out: 1.437+/-0.000 χ^2/NDF : 182019221175.5/18

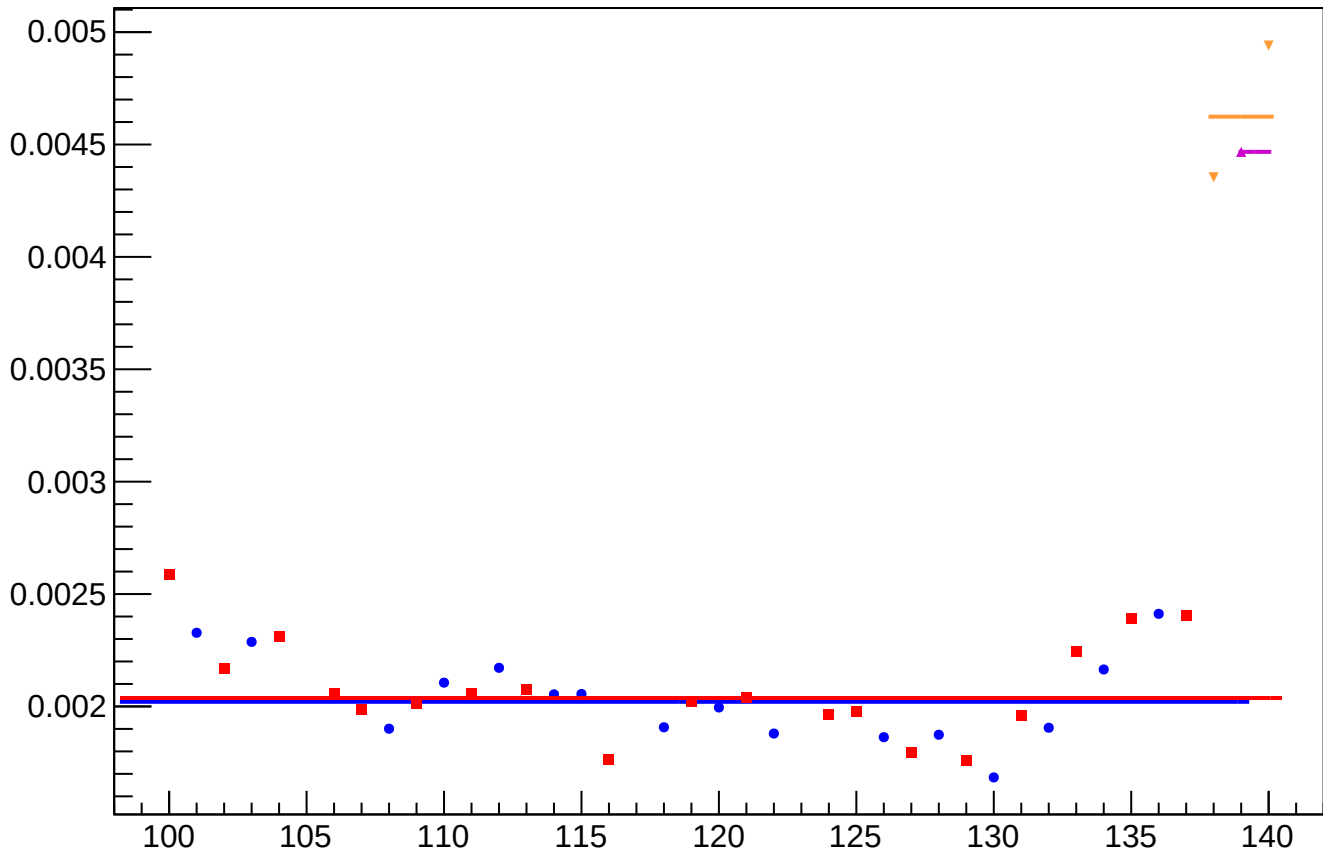
Left In: 1.640+/-0.000 χ^2/NDF : 0.0/0

+ sign 1.440+/-0.000 χ^2/NDF : 192240412484.5/17

All: 1.441+/-0.000 χ^2/NDF : 375941370785.8

- sign 1.442+/-0.000 χ^2/NDF : 183696153477.5/19

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 154923.3/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:12726.9/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 113640.4/18

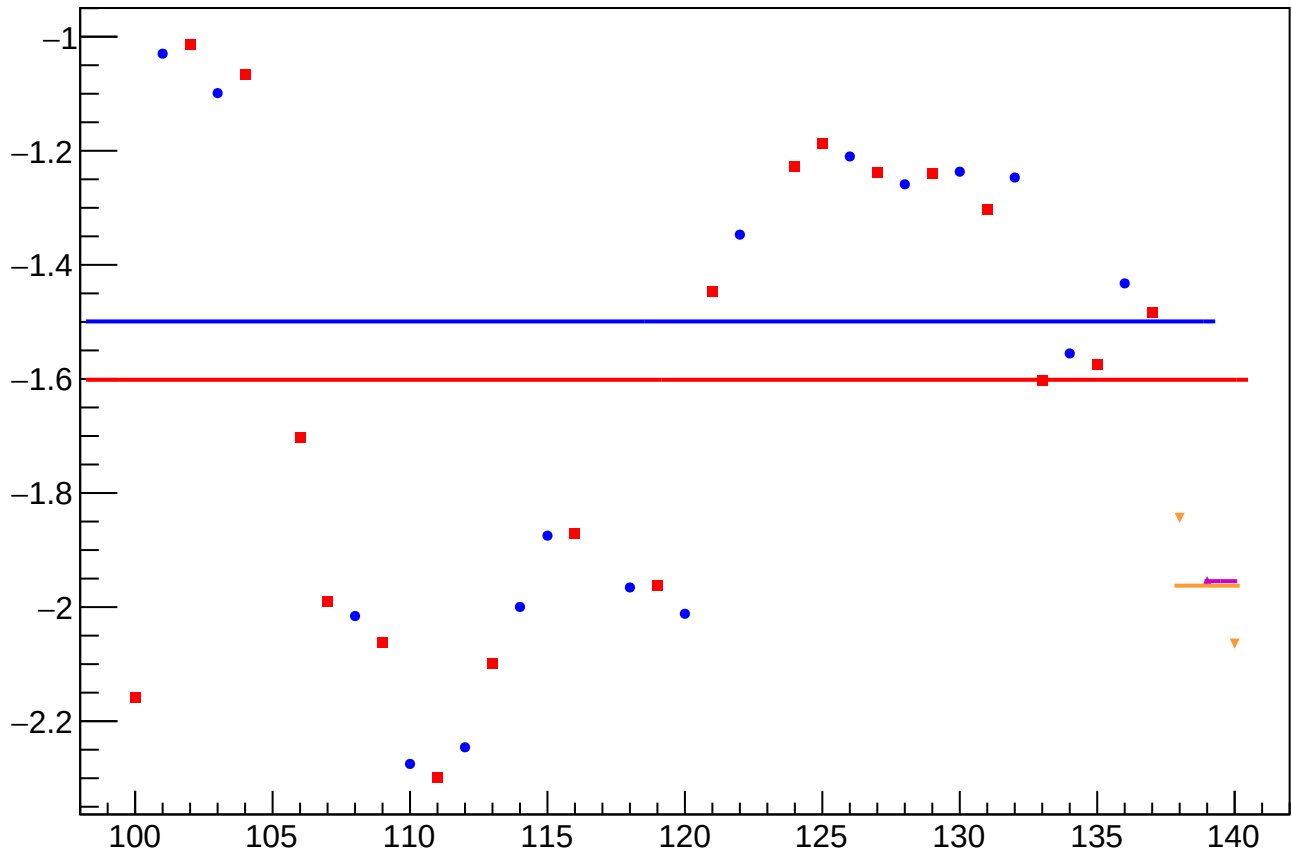
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1133911.3/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1728628.1/37

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 592420.9/19

yield_bpm0l01X_mean vs Slug



Right In: -1.499+/-0.000 χ^2/NDF : 22930357522.2/15

Left Out: -1.962+/-0.000 χ^2/NDF : 631145551.4/1

Right Out: -1.601+/-0.000 χ^2/NDF : 28324914147.6/18

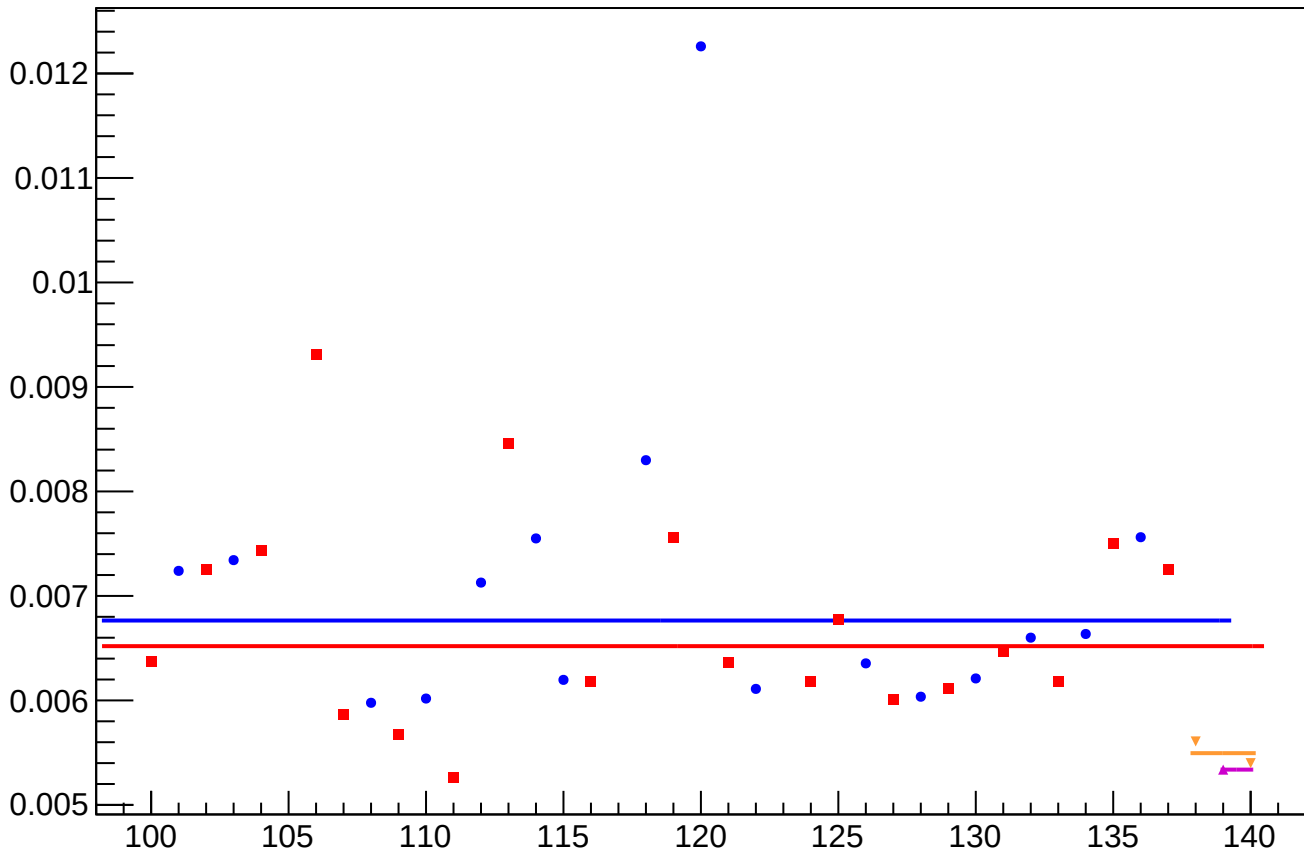
Left In: -1.954+/-0.000 χ^2/NDF : 0.0/0

+ sign -1.624+/-0.000 χ^2/NDF : 31755410642.3/17

All: -1.639+/-0.000 χ^2/NDF : 63222889580.3/19

- sign -1.655+/-0.000 χ^2/NDF : 31376124275.2/19

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 238566.1/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:1120.5/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 245428.1/18

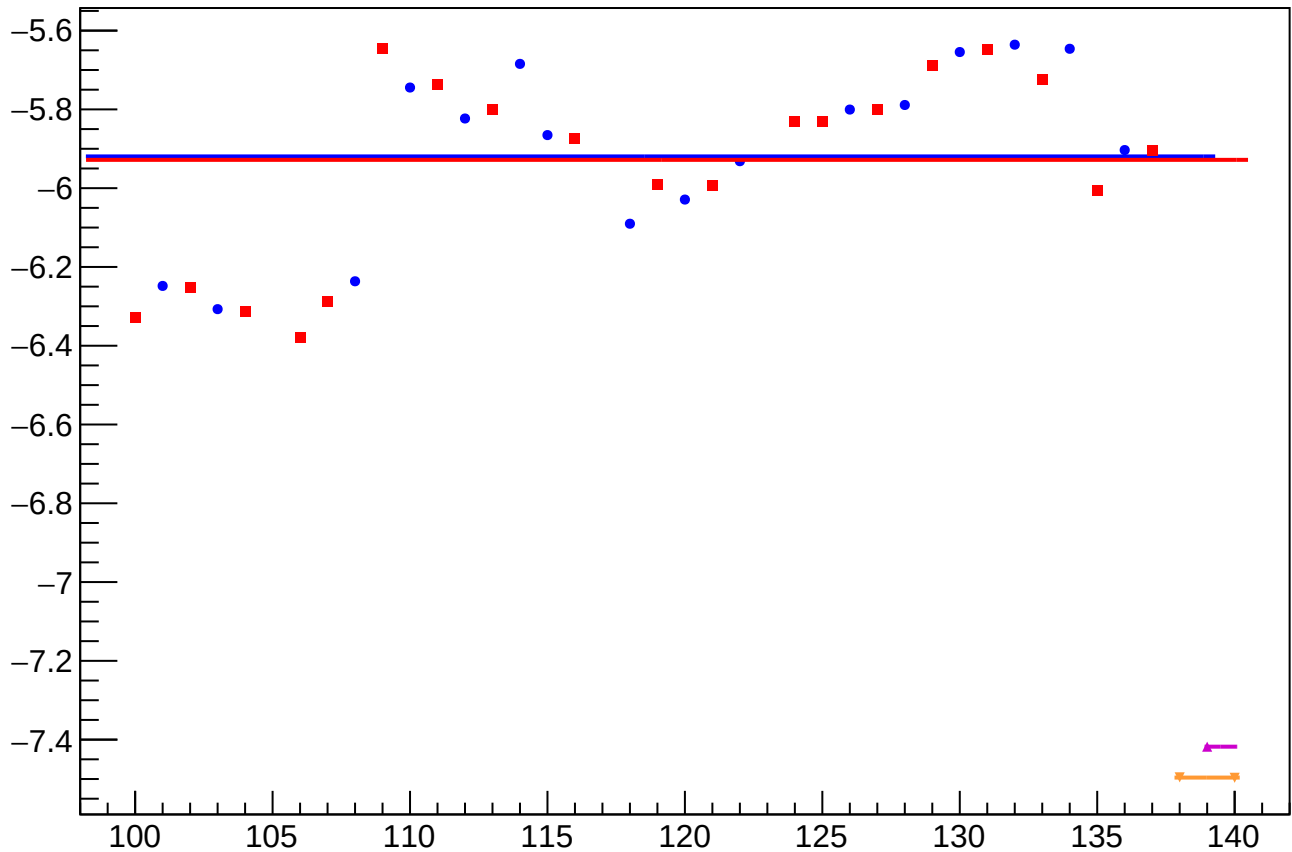
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 362725.6/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 677816.6/37

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 313807.3/19

yield_bpm0l01Y_mean vs Slug



Right In: -5.919+/-0.000 χ^2/NDF : 11742457053.3/15

Left Out: -7.496+/-0.000 χ^2/NDF : 4123.3/1

Right Out: -5.928+/-0.000 χ^2/NDF : 12641528579.2/18

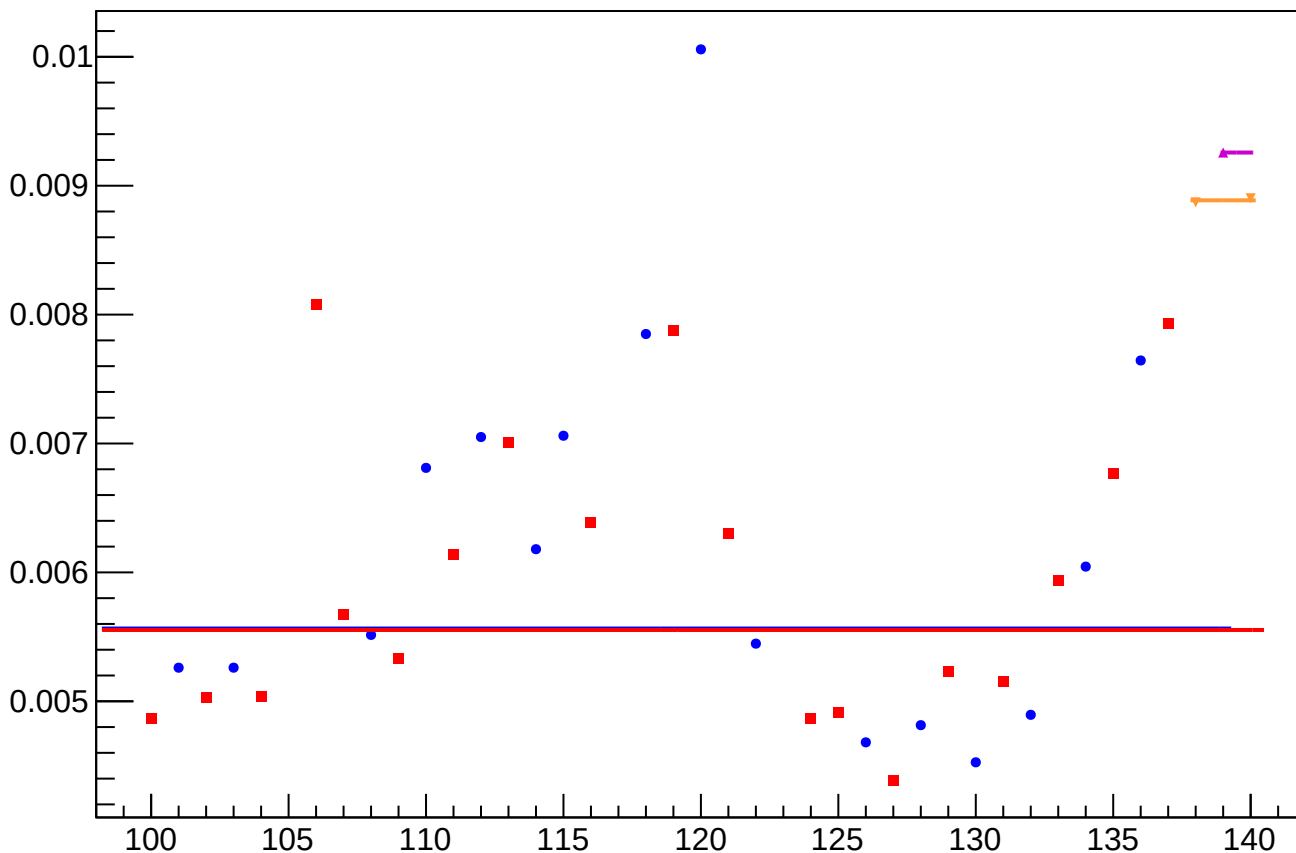
Left In: -7.418+/-0.000 χ^2/NDF : 0.0/0

+ sign -6.022+/-0.000 χ^2/NDF : 43890587198.7/17

All: -5.998+/-0.000 χ^2/NDF : 71199760993.1/19

- sign -5.974+/-0.000 χ^2/NDF : 27059646278.6/19

yield_bpm0l01Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 495546.3/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 6.9/1

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 364541.1/18

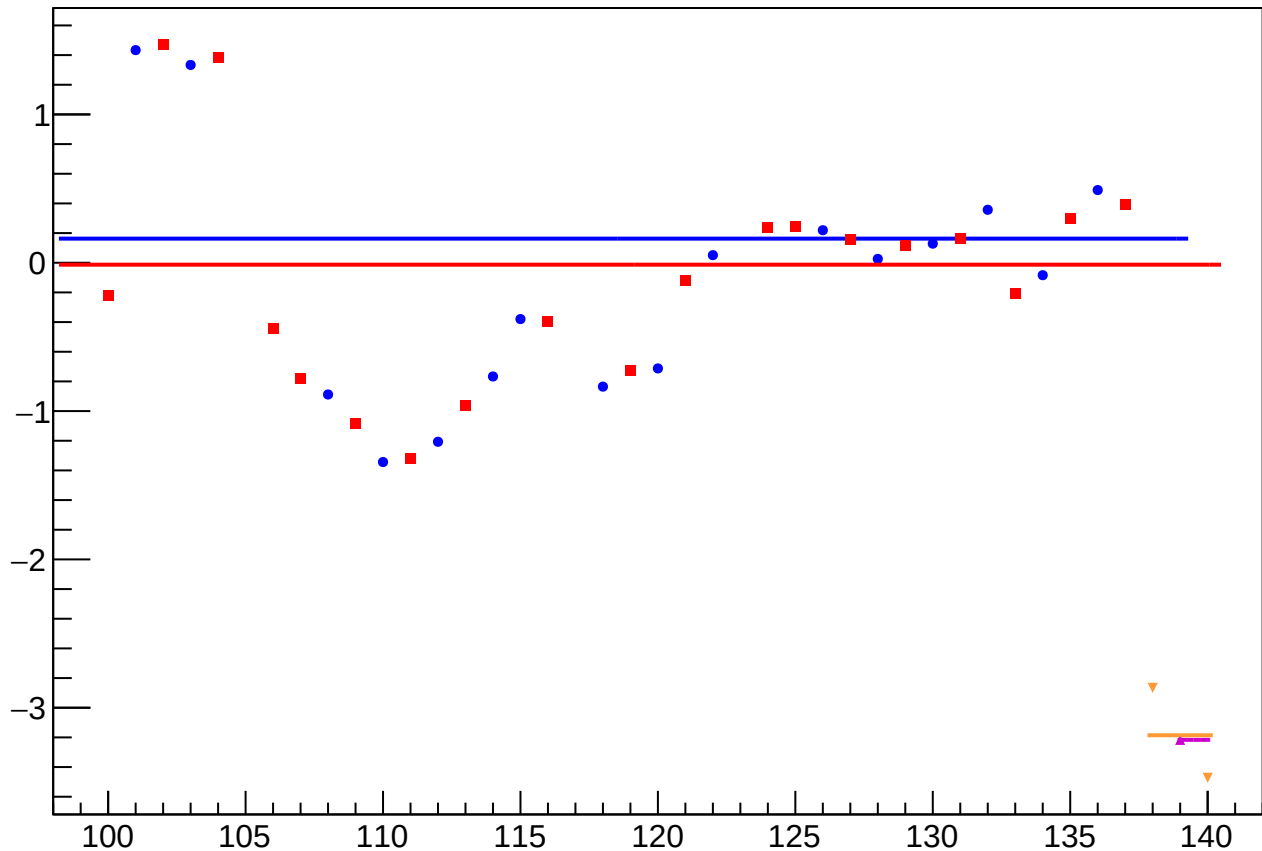
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 780935.7/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1326521.7/37

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 542813.5/19

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF : 17940034444.3/15

Left Out: -3.186+/-0.000 χ^2/NDF : 437607355.3/1

Right Out: -0.013+/-0.000 χ^2/NDF : 22484002798.8/18

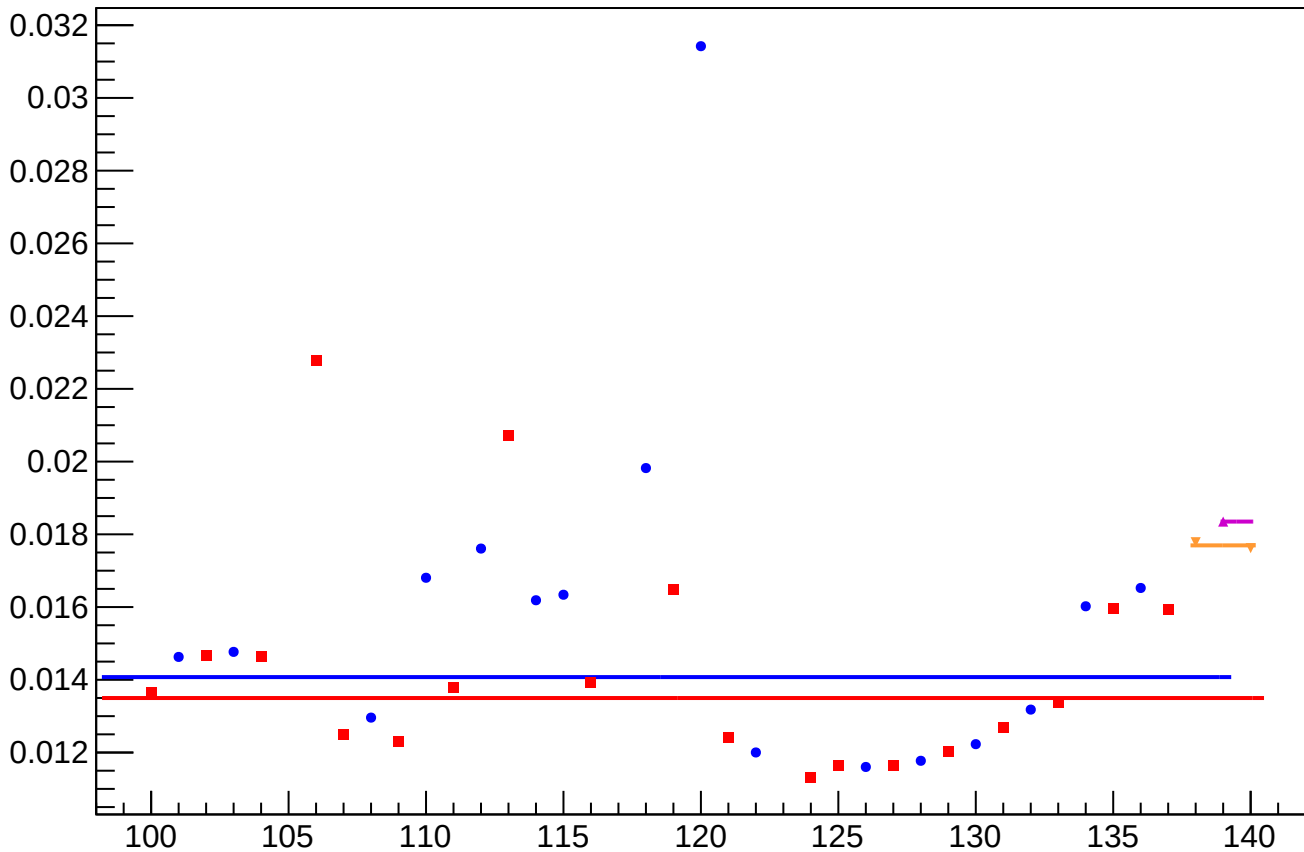
Left In: -3.217+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.274+/-0.000 χ^2/NDF : 64914287063.6/17

All: -0.239+/-0.000 χ^2/NDF : 110614951765.8

- sign -0.207+/-0.000 χ^2/NDF : 45616050846.4/19

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 : 63.1/1

Right Out: 0.013+/-0.000 χ^2/NDF : 314810.3/18

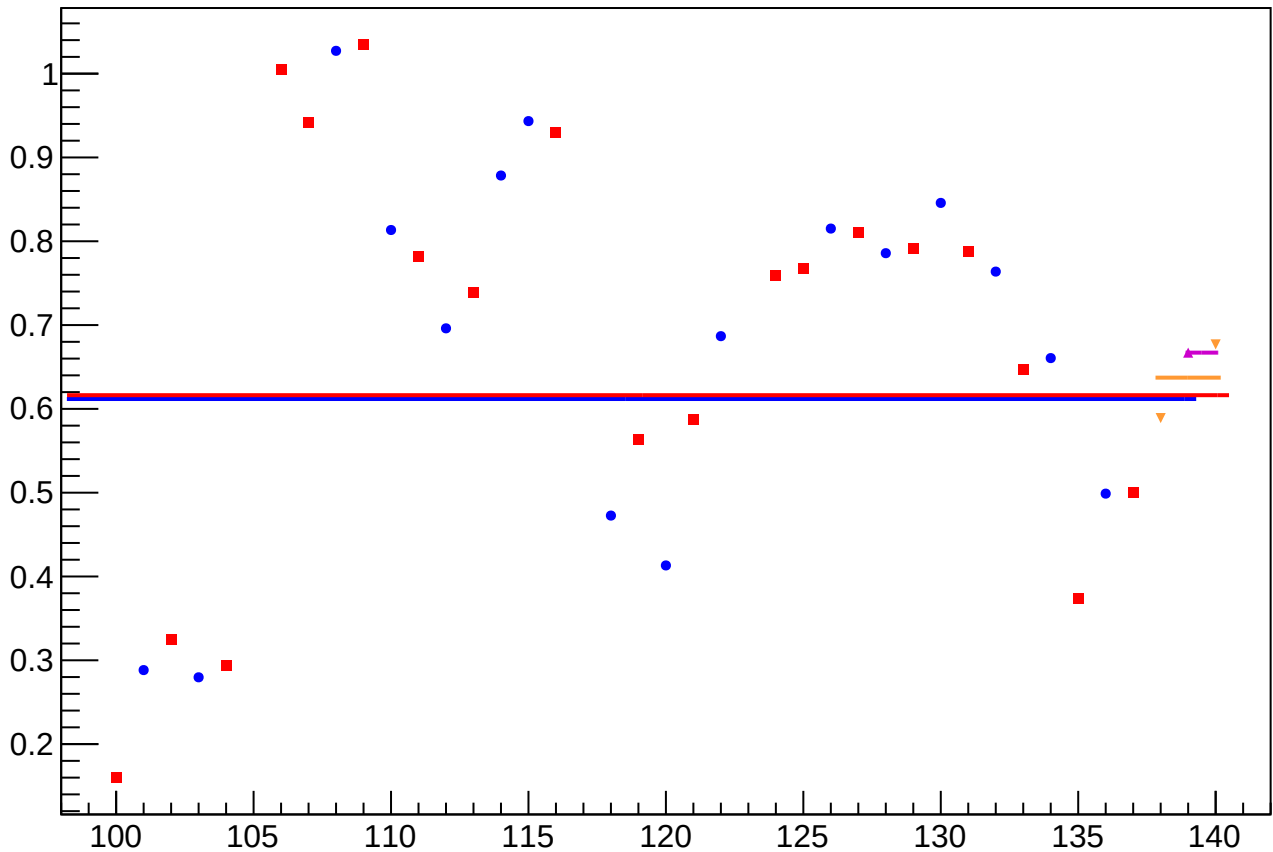
Left In: 0.018+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.015+/-0.000 χ^2/NDF : 574398.8/17

All: 0.014+/-0.000 χ^2/NDF : 1016948.2/37

- sign 0.014+/-0.000 χ^2/NDF : 420930.0/19

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF : 5639014502.0/15

Left Out: 0.637+/-0.000 χ^2/NDF : 41479817.3/1

Right Out: 0.616+/-0.000 χ^2/NDF : 6419512040.7/18

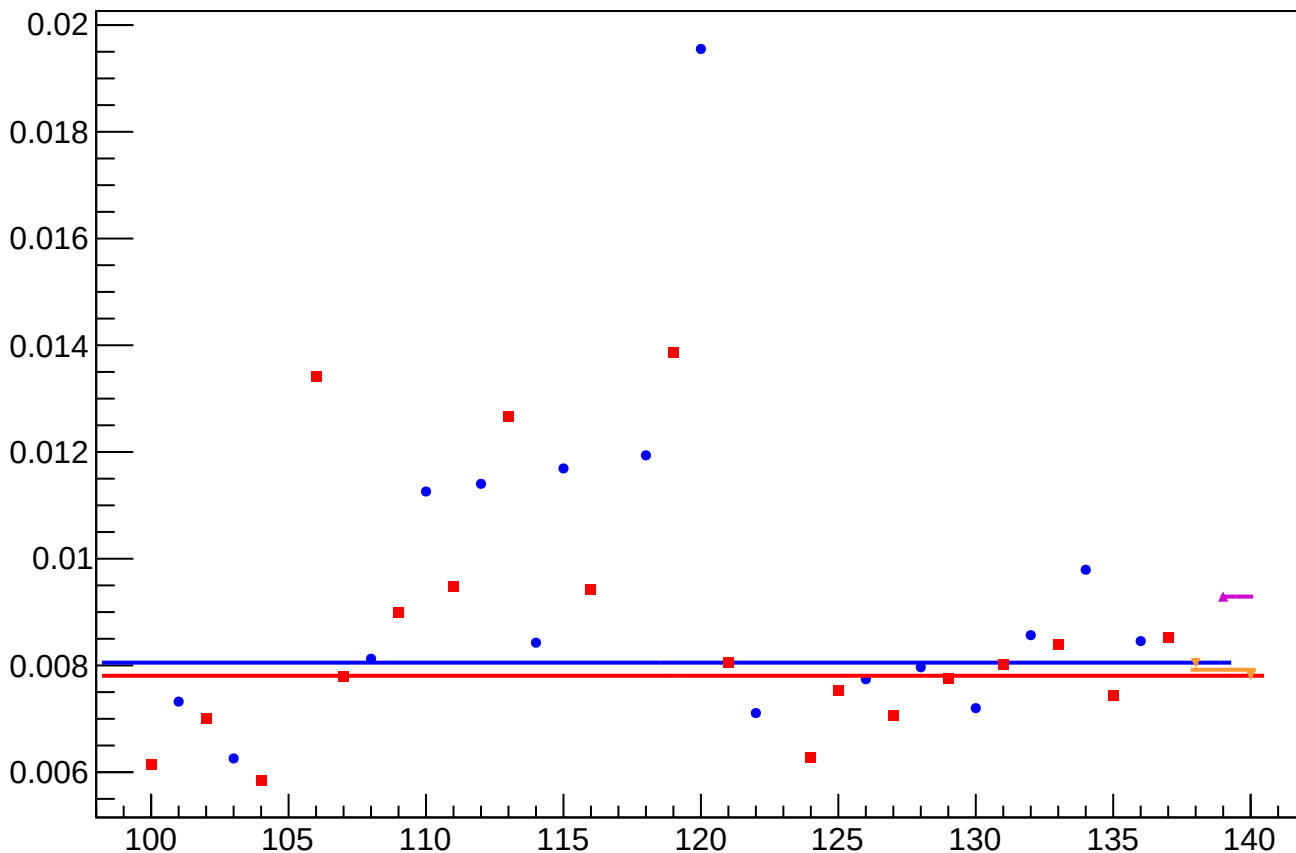
Left In: 0.667+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.617+/-0.000 χ^2/NDF : 5691953290.3/17

All: 0.618+/-0.000 χ^2/NDF : 12132568425.9/3

- sign 0.620+/-0.000 χ^2/NDF : 6439863393.7/19

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 : 571.9/1

Right Out: 0.008+/-0.000 χ^2/NDF : 587157.2/18

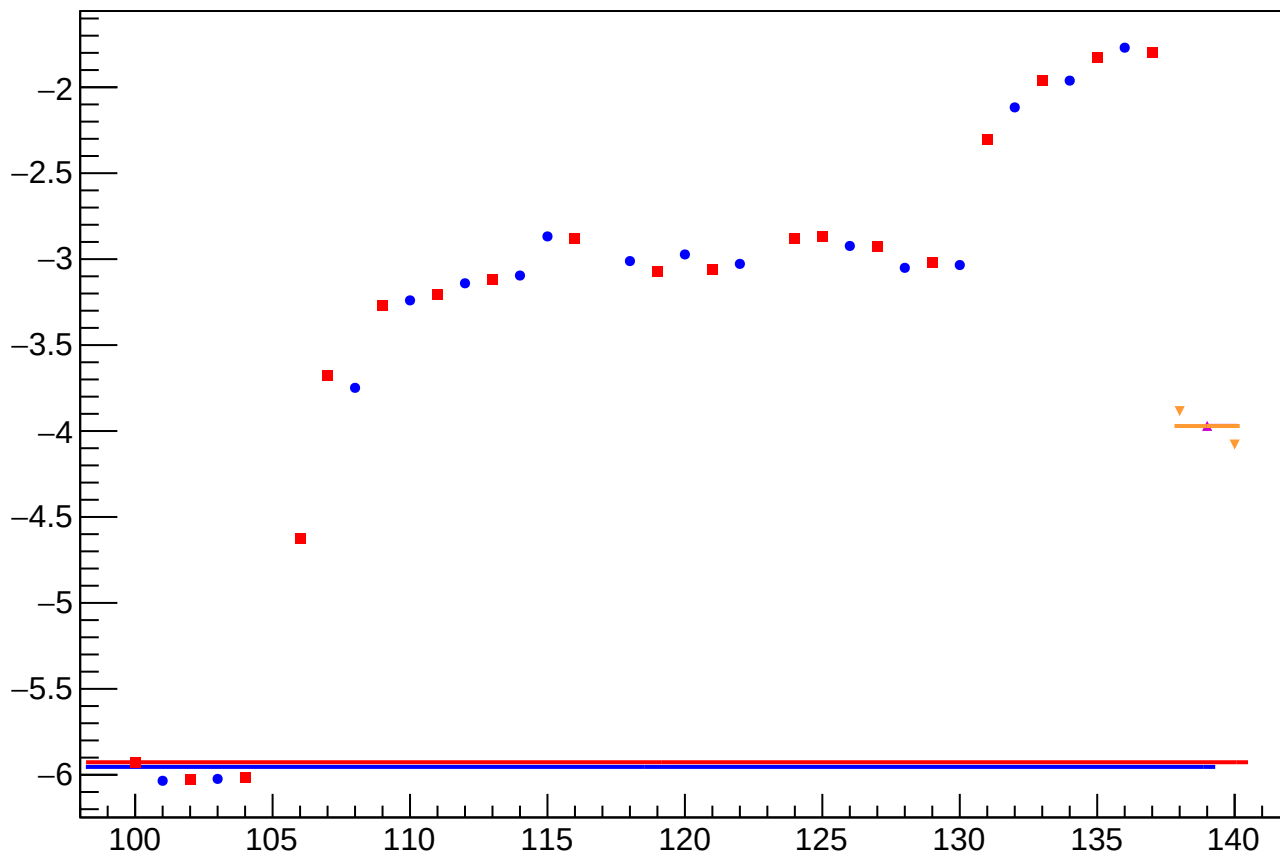
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.008+/-0.000 χ^2/NDF : 599503.2/17

All: 0.008+/-0.000 χ^2/NDF : 1222773.5/37

- sign 0.008+/-0.000 χ^2/NDF : 621892.7/19

yield_bpm0l03X_mean vs Slug



Right In: -5.954+/-0.000 χ^2/NDF : 13099475661.5/15

Left Out: -3.971+/-0.000 χ^2/NDF : 2018452.1/1

Right Out: -5.927+/-0.000 χ^2/NDF : 13922819741.5/18

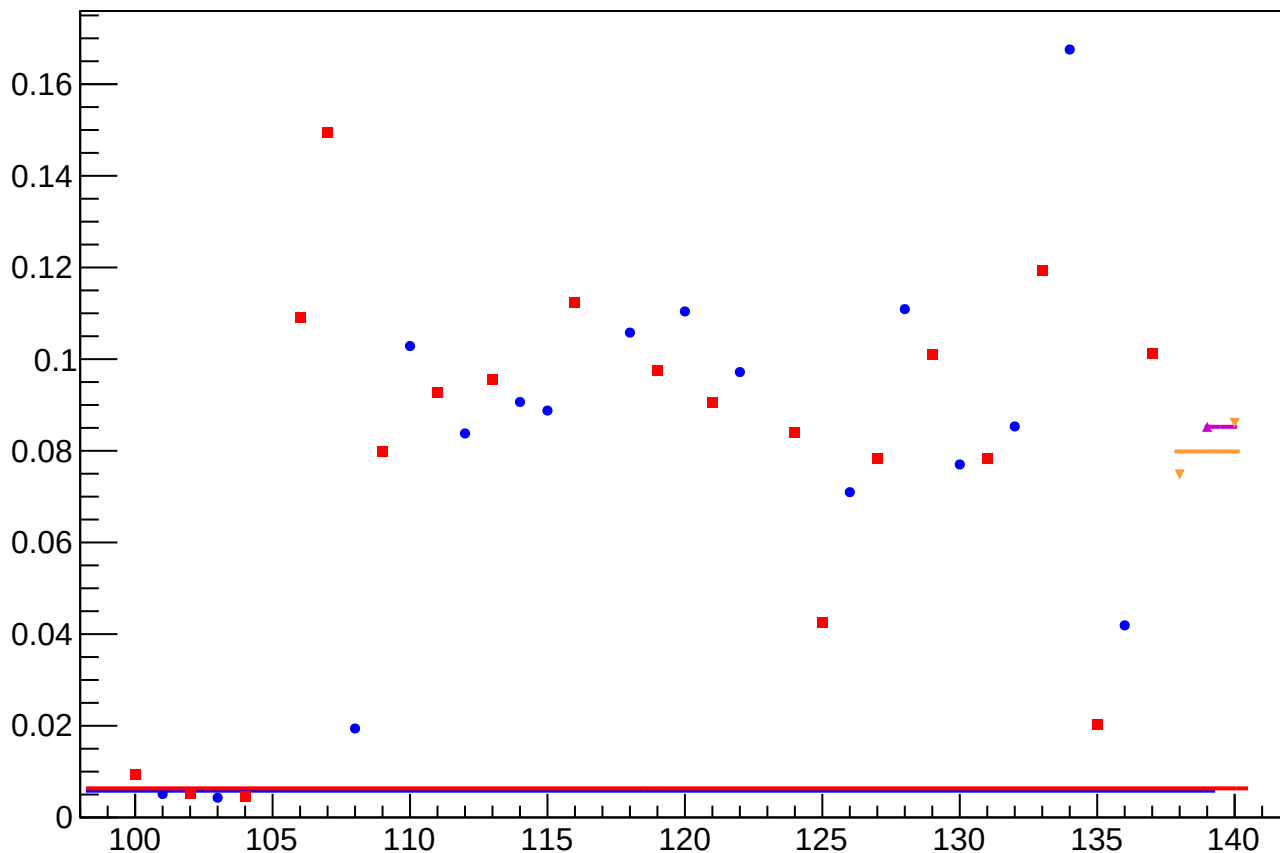
Left In: -3.970+/-0.000 χ^2/NDF : 0.0/0

+ sign -5.946+/-0.000 χ^2/NDF : 13946093169.6/17

All: -5.935+/-0.000 χ^2/NDF : 28212825899.5/19

- sign -5.923+/-0.000 χ^2/NDF : 14254501670.4/19

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8700553.3/15

Left Out: 0.080 $\pm$ 0.000 χ^2 /NDF:13538.3/1

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8751831.3/18

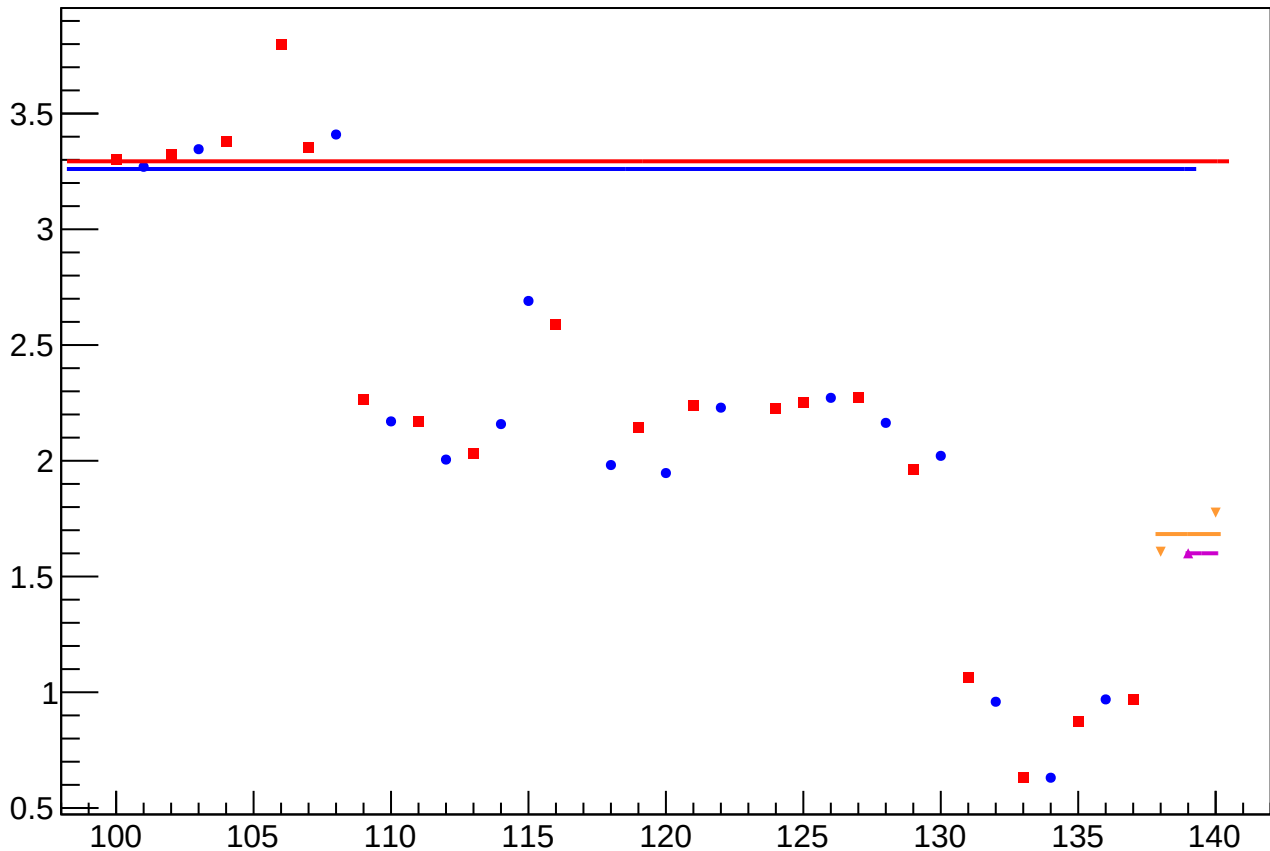
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 11066609.1/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 20902473.0/37

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 9830032.1/19

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF : 3009624113.9/15

Left Out: 1.683+/-0.000 χ^2/NDF :1244917.4/1

Right Out: 3.294+/-0.000 χ^2/NDF : 3243748149.8/18

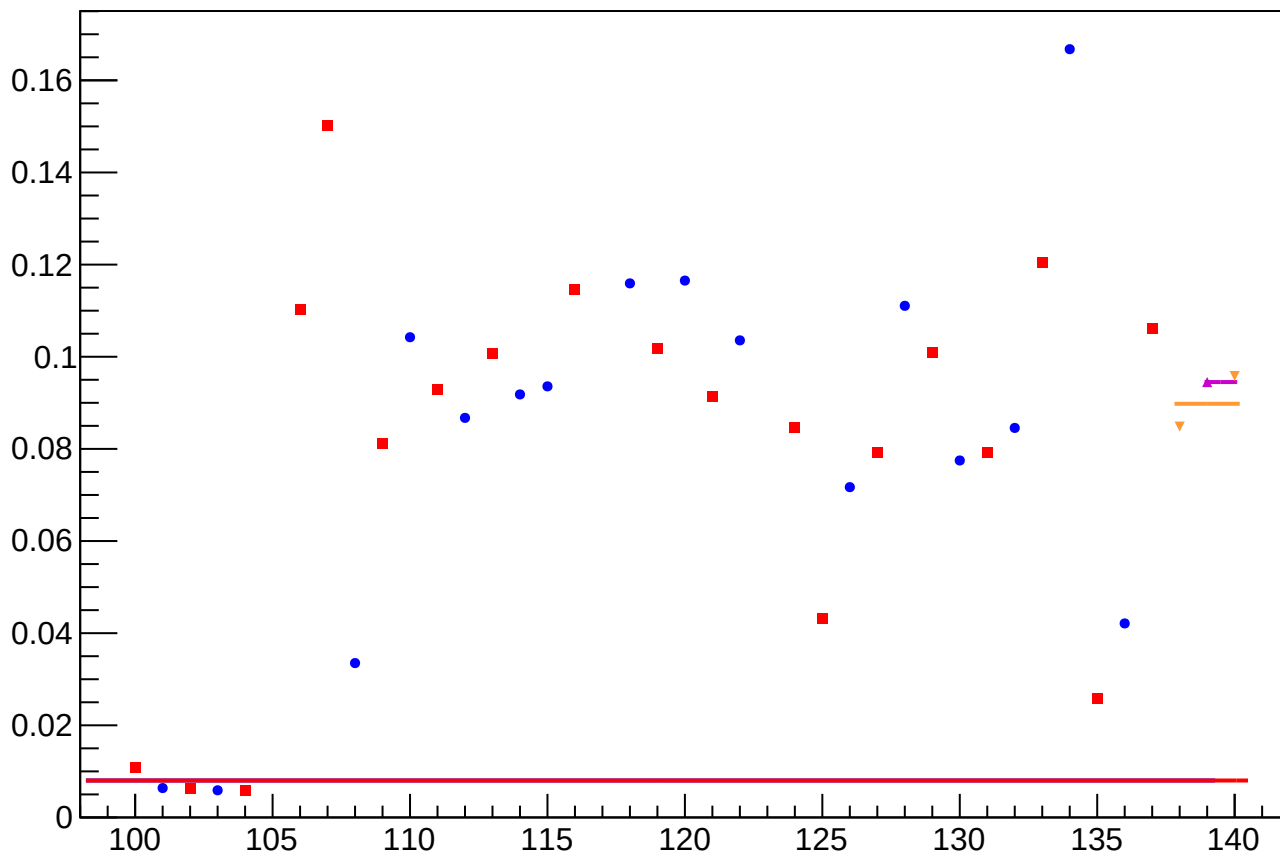
Left In: 1.600+/-0.000 χ^2/NDF :0.0/0

+ sign 3.252+/-0.000 χ^2/NDF : 3446575599.4/17

All: 3.270+/-0.000 χ^2/NDF : 6920839586.5/37

- sign 3.289+/-0.000 χ^2/NDF : 3452594064.2/19

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8415681.1/15

Left Out: 0.090 $\pm$ 0.000 χ^2 /NDF:10516.7/1

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8542249.7/18

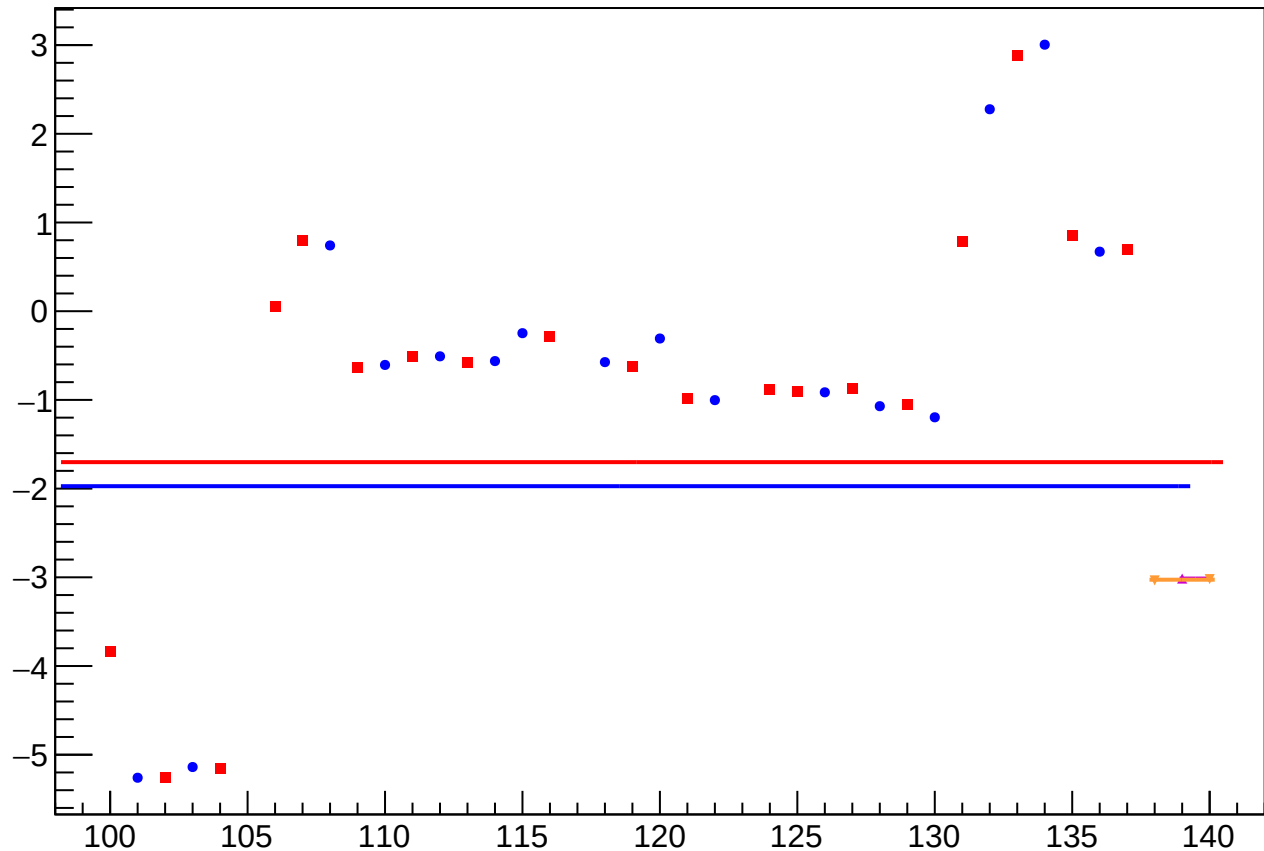
Left In: 0.095 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 10769186.9/17

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 20402998.2/37

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 9631917.4/19

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2 /NDF: 161975701237.3/15

Left Out: -3.027+/-0.000 χ^2 /NDF:1368957.5/1

Right Out: -1.702+/-0.000 χ^2 /NDF: 168156981746.0/18

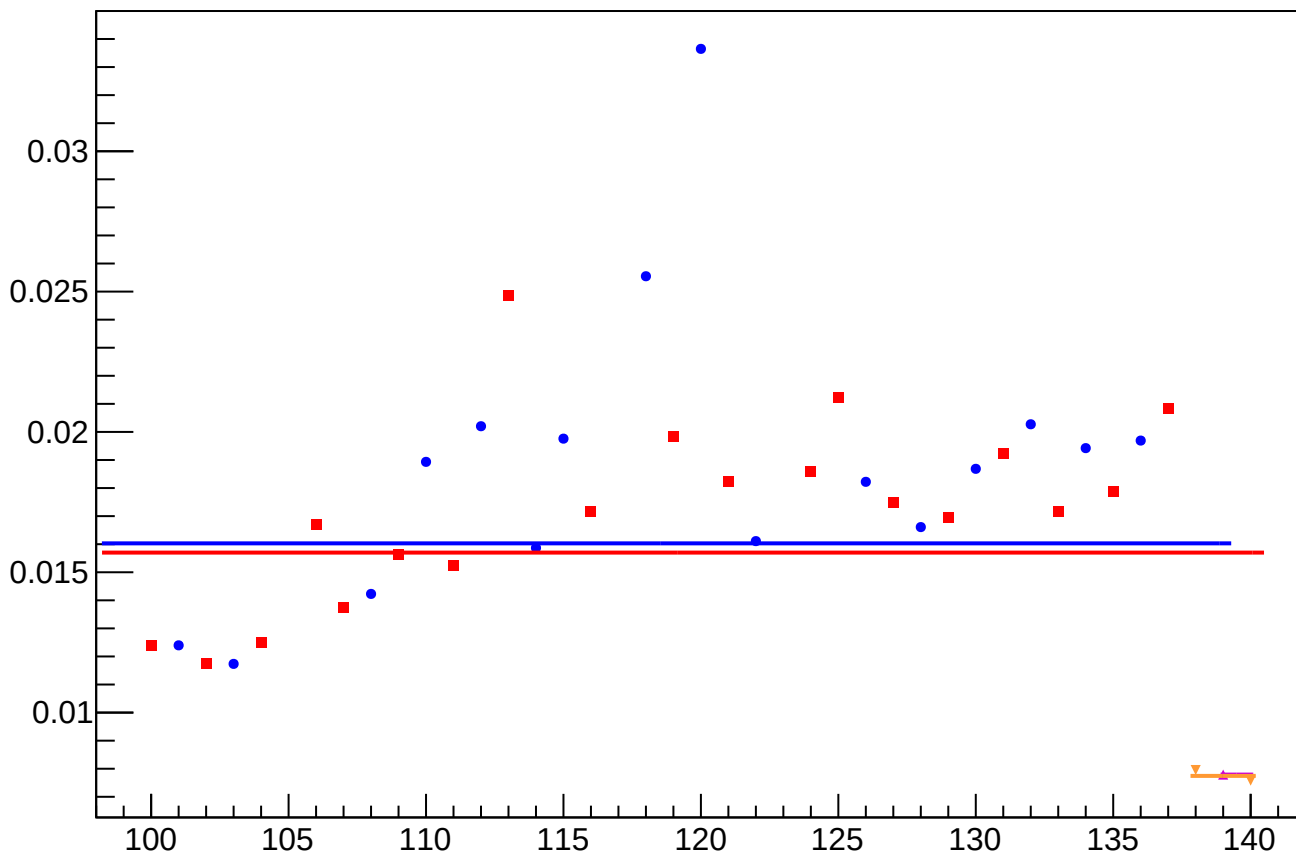
Left In: -3.014+/-0.000 χ^2 /NDF:0.0/0

+ sign -2.536+/-0.000 χ^2 /NDF: 175423990340.8/17

All: -2.365+/-0.000 χ^2 /NDF: 362086689822.2

- sign -2.154+/-0.000 χ^2 /NDF: 183488025229.3/19

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 : 1826.4/1

Right Out: 0.016+/-0.000 χ^2/NDF : 504766.0/18

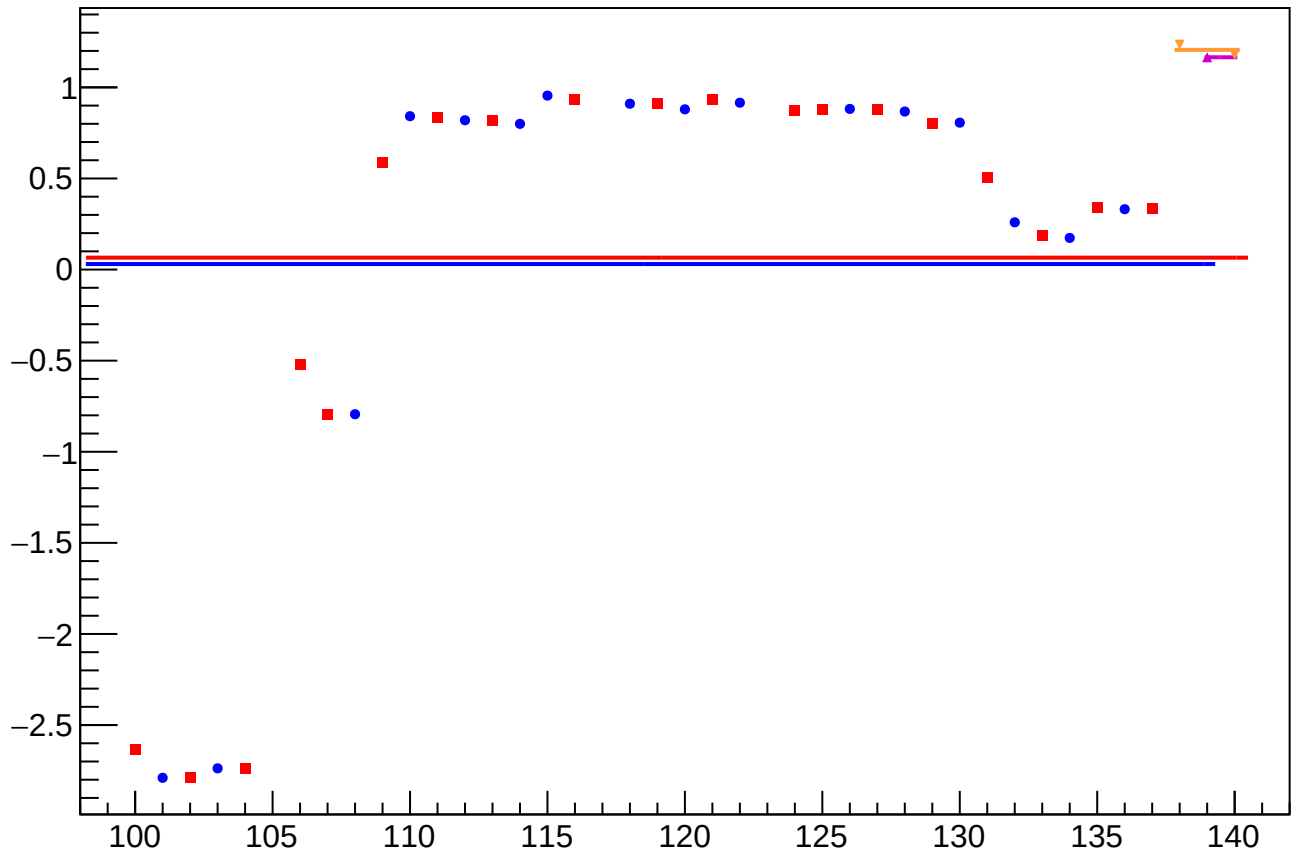
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.000 χ^2/NDF : 2398569.2/17

All: 0.012+/-0.000 χ^2/NDF : 4098795.3/37

- sign 0.013+/-0.000 χ^2/NDF : 1618479.8/19

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 851677270962.0/15

Left Out: 1.206+/-0.000 χ^2/NDF :17558987.9/1

Right Out: 0.065+/-0.000 χ^2/NDF : 935478930138.7/18

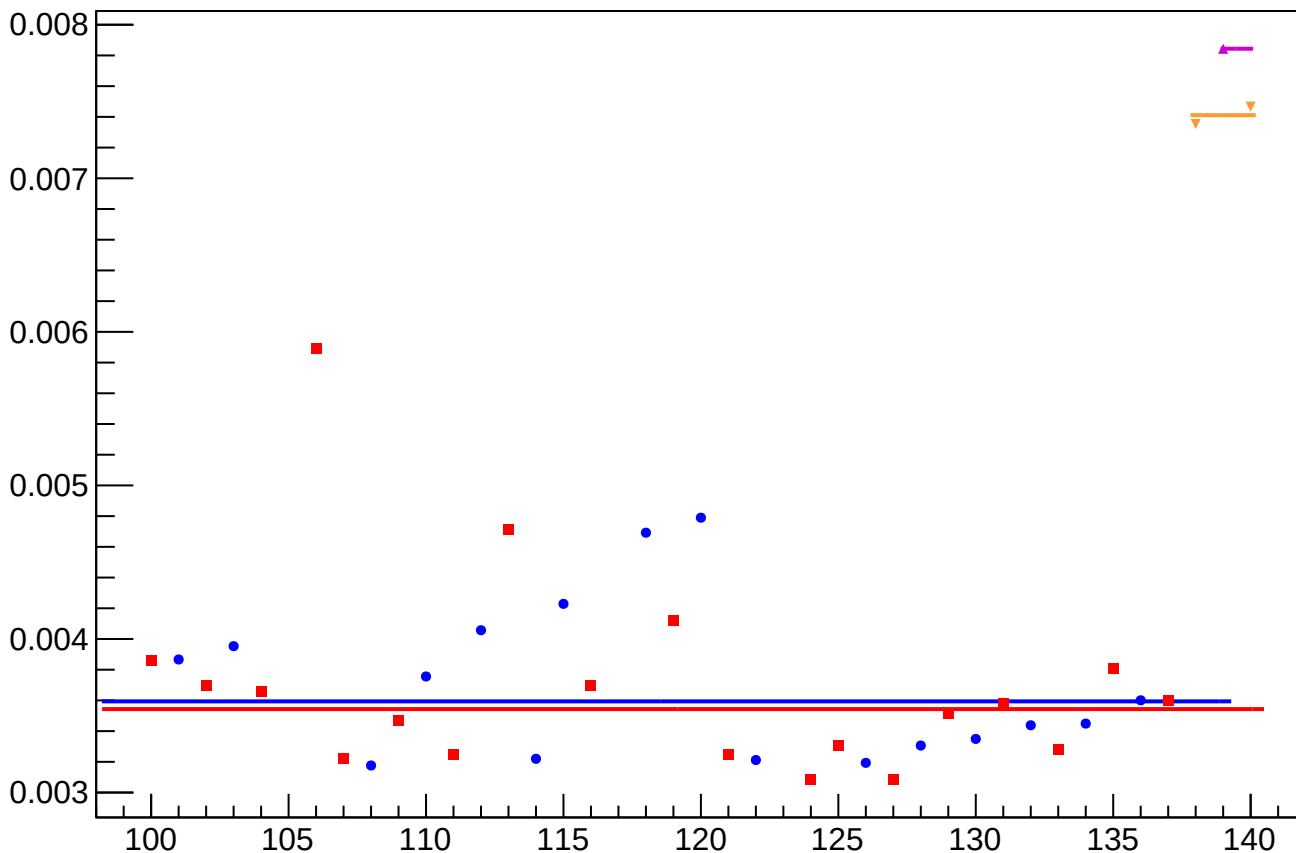
Left In: 1.165+/-0.000 χ^2/NDF :0.0/0

+ sign 0.079+/-0.000 χ^2/NDF : 881611085014.7/17

All: 0.083+/-0.000 χ^2/NDF : 1829829440646.

- sign 0.086+/-0.000 χ^2/NDF : 948205065576.9/19

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 180415.0/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:144.2/1

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 224729.1/18

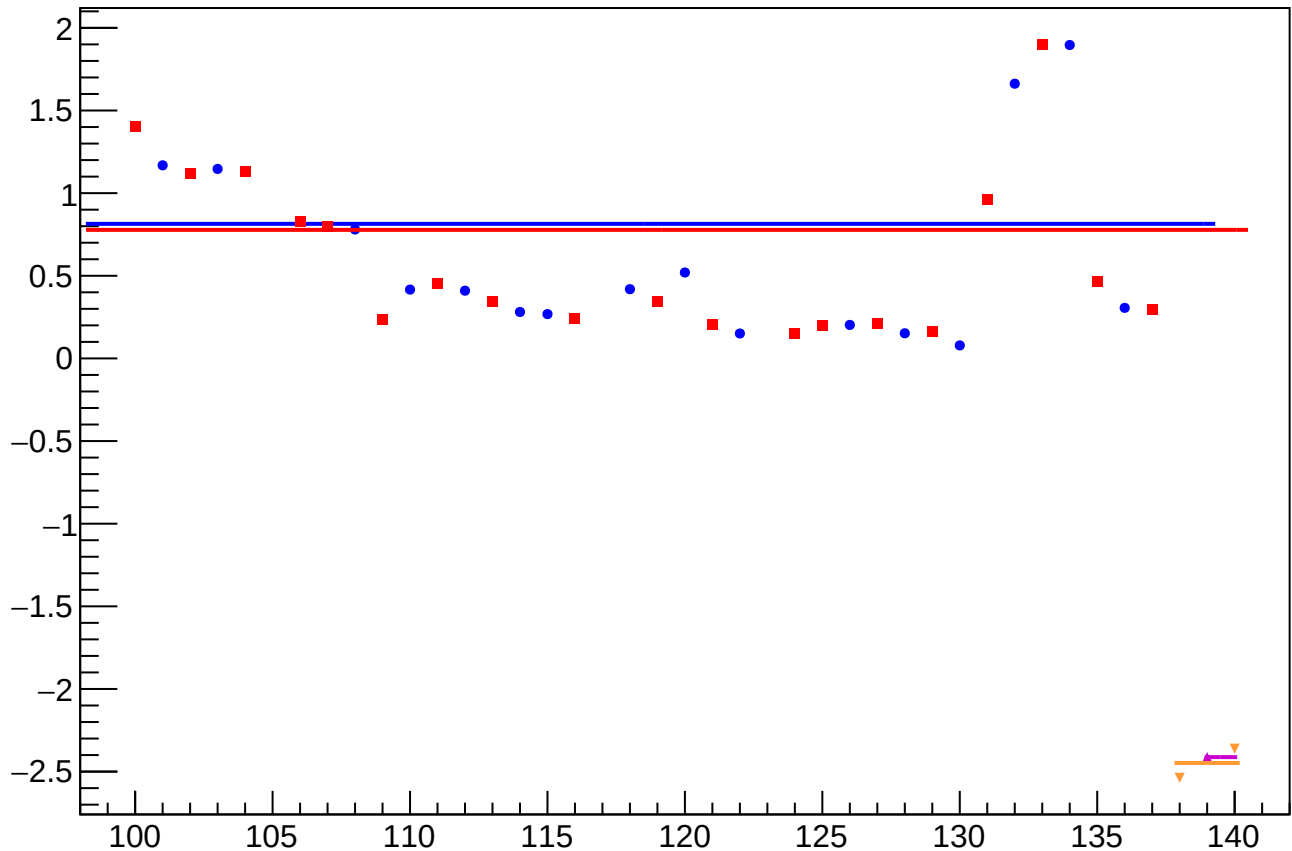
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 811451.6/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 1434422.2/37

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 613840.0/19

yield_bpm0l05X_mean vs Slug



Right In: 0.814 $\pm$ 0.000 χ^2 /NDF: 35412149008.2/15

Left Out: -2.448 $\pm$ 0.000 χ^2 /NDF: 193377084.0/1

+ sign 0.334 $\pm$ 0.000 χ^2 /NDF: 261682290506.5/17

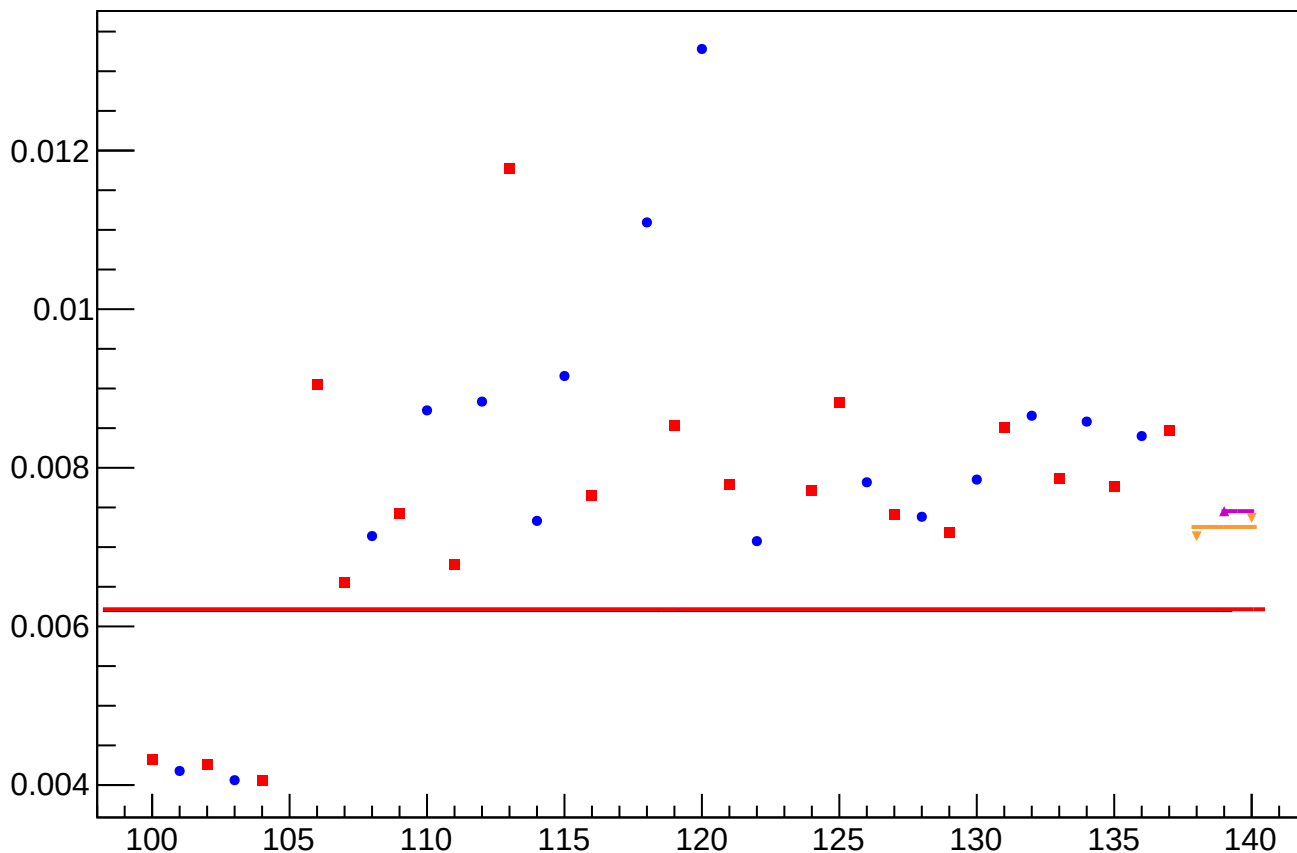
Right Out: 0.778 $\pm$ 0.000 χ^2 /NDF: 34603328062.2/18

All: 0.436 $\pm$ 0.000 χ^2 /NDF: 418153825819.5

- sign 0.539 $\pm$ 0.000 χ^2 /NDF: 152922153467.5/19

Left In: -2.412 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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 : 666.0/1

Right Out: 0.006+/-0.000 χ^2/NDF : 1161117.9/18

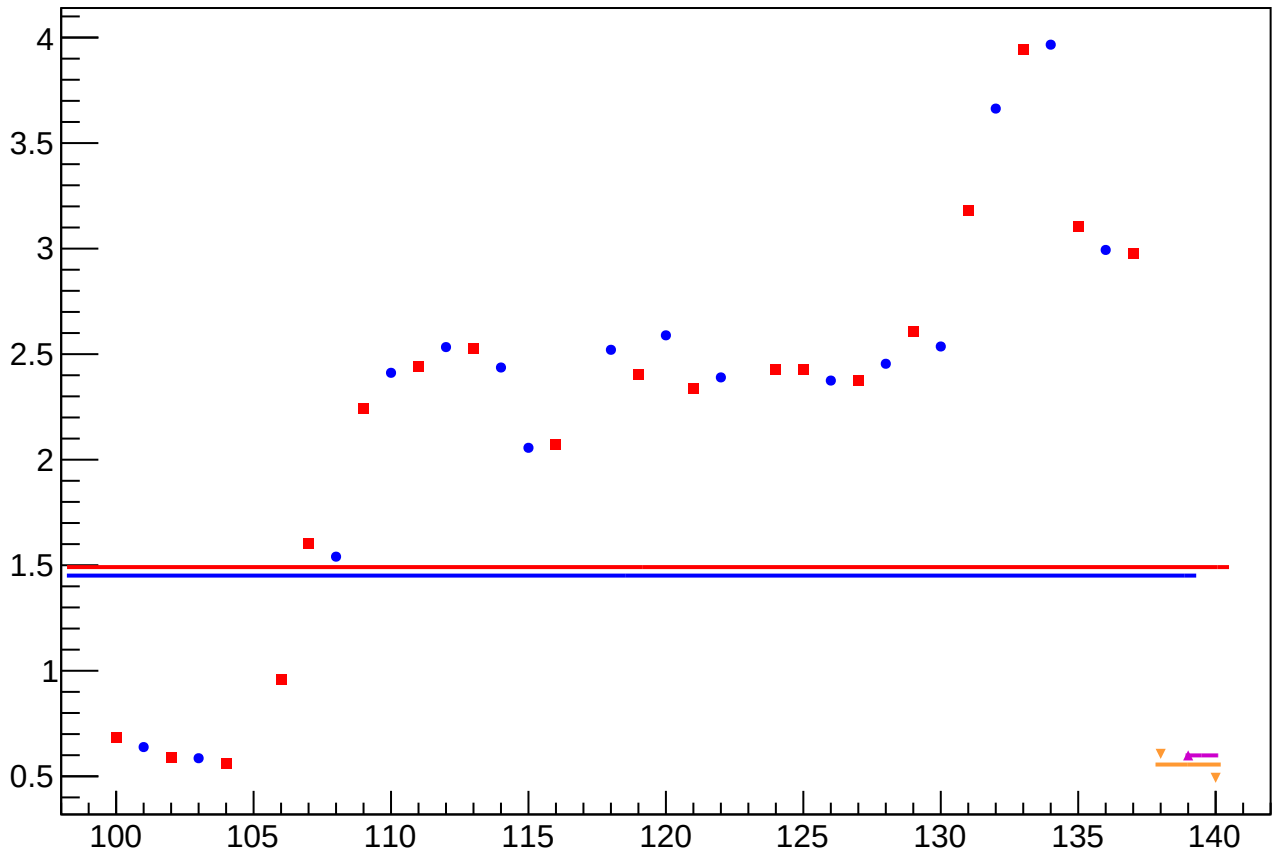
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 1471207.2/17

All: 0.006+/-0.000 χ^2/NDF : 2668350.0/37

- sign 0.006+/-0.000 χ^2/NDF : 1196696.8/19

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF : 169635774704.4/15

Left Out: 0.556+/-0.000 χ^2/NDF : 84018395.4/1

Right Out: 1.491+/-0.000 χ^2/NDF : 186952709821.0/18

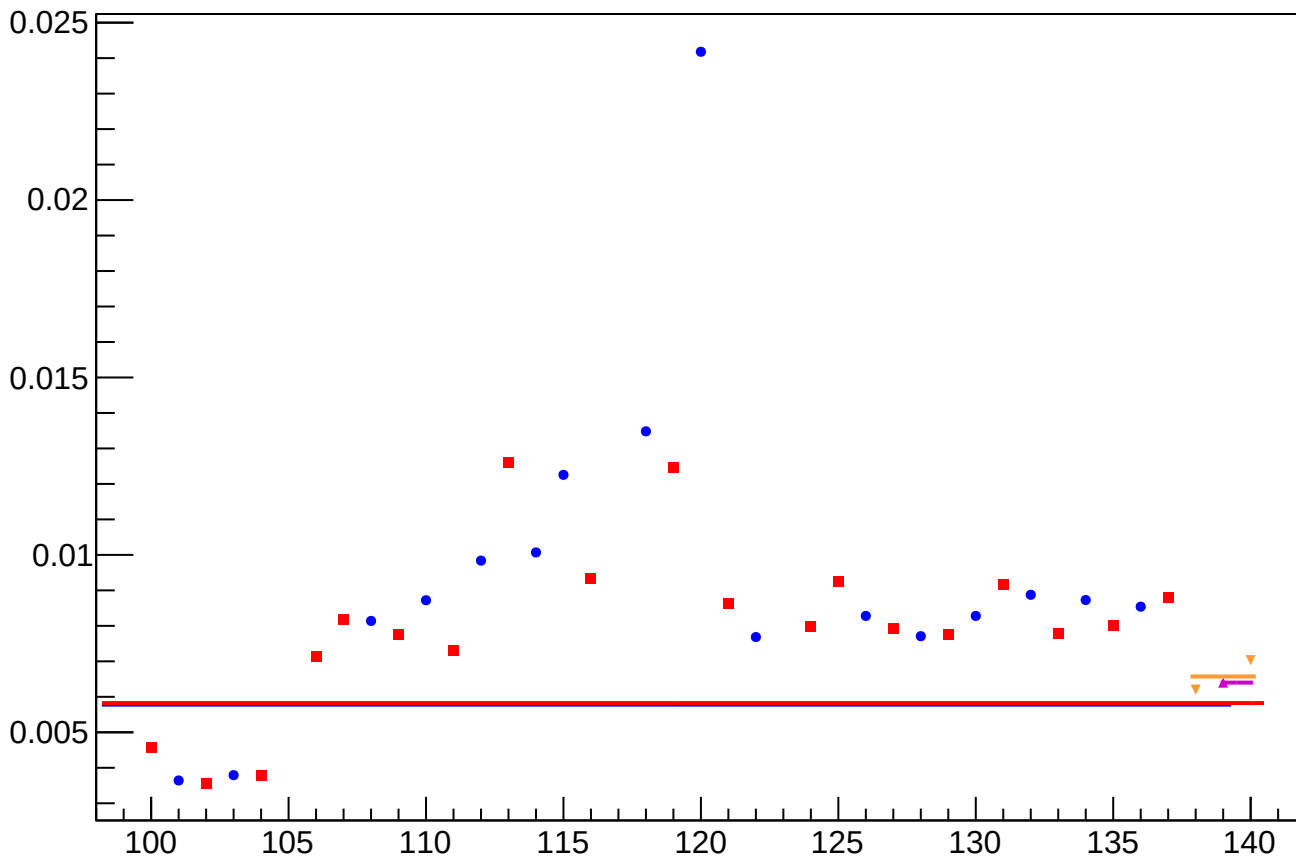
Left In: 0.599+/-0.000 χ^2/NDF : 0.0/0

+ sign 1.317+/-0.000 χ^2/NDF : 187730554378.8/17

All: 1.367+/-0.000 χ^2/NDF : 386227937882.2

- sign 1.417+/-0.000 χ^2/NDF : 197606621665.7/19

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 : 9015.9/1

Right Out: 0.006+/-0.000 χ^2/NDF : 1955751.4/18

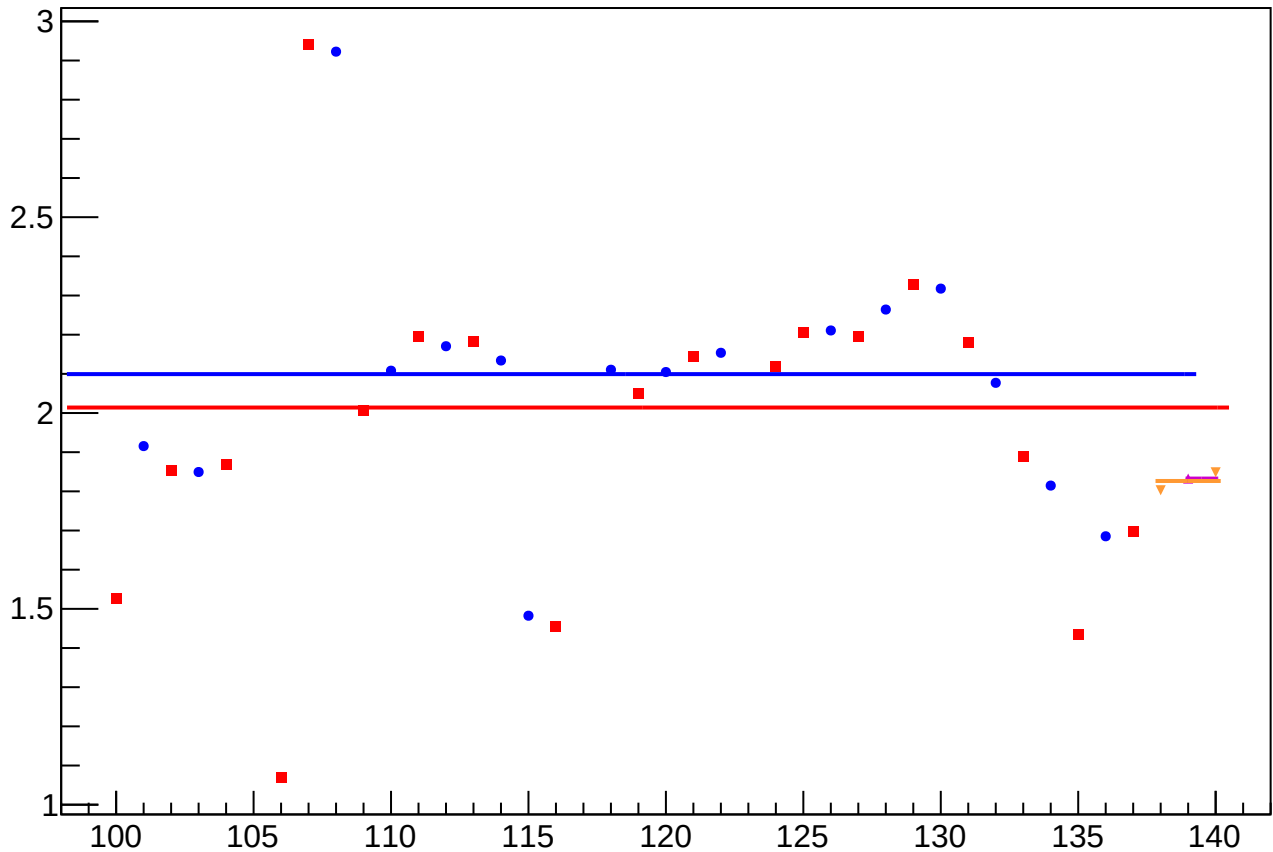
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 2251149.3/17

All: 0.006+/-0.000 χ^2/NDF : 4215956.8/37

- sign 0.006+/-0.000 χ^2/NDF : 1964672.0/19

yield_bpm0l06X_mean vs Slug



Right In: 2.099+/-0.000 χ^2/NDF : 13928556396.8/15

Left Out: 1.827+/-0.000 χ^2/NDF : 9527489.8/1

Right Out: 2.014+/-0.000 χ^2/NDF : 19615856596.5/18

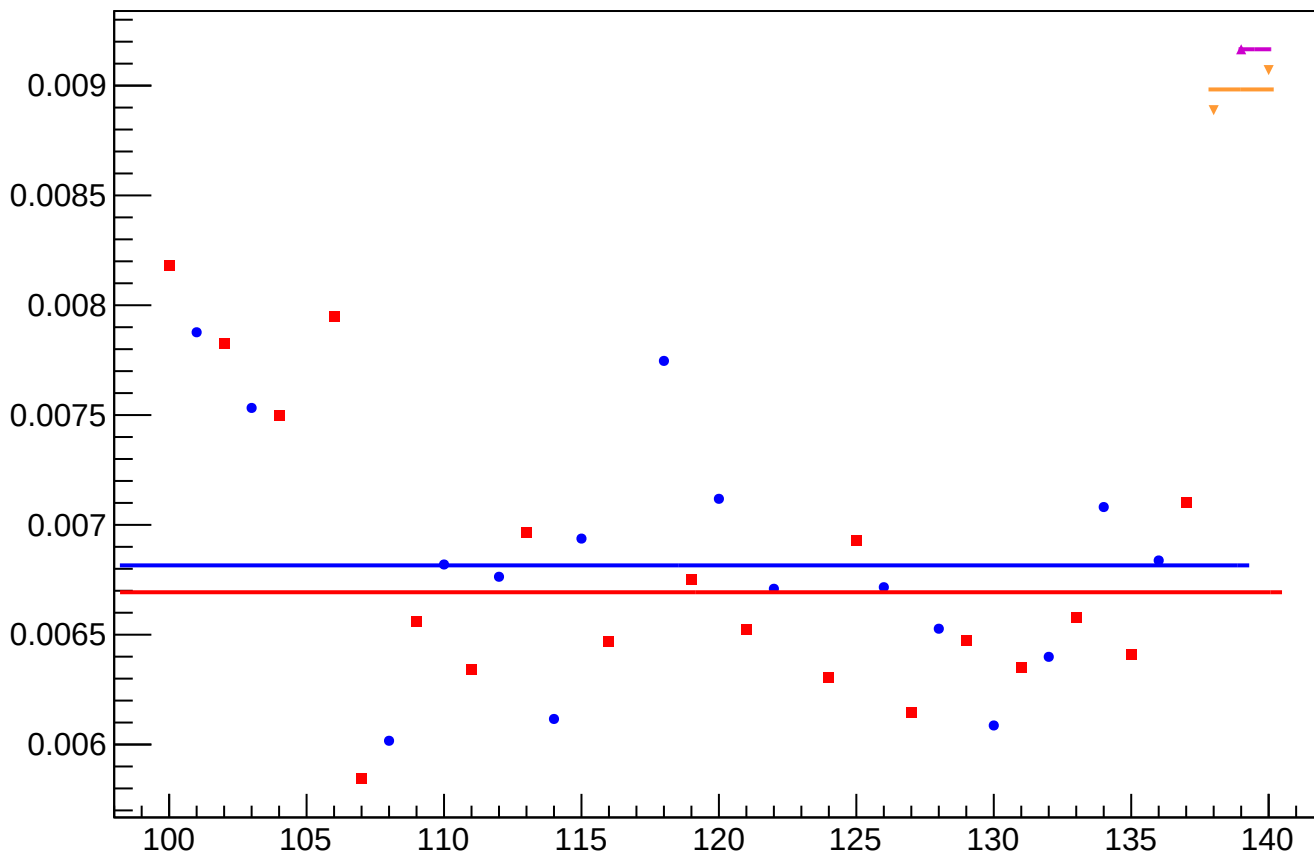
Left In: 1.833+/-0.000 χ^2/NDF : 0.0/0

+ sign 2.069+/-0.000 χ^2/NDF : 15142257699.4/17

All: 2.036+/-0.000 χ^2/NDF : 35406178856.7/3

- sign 2.004+/-0.000 χ^2/NDF : 19907174770.7/19

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF : 302.4/1

Right Out: 0.007+/-0.000 χ^2/NDF : 87876.9/18

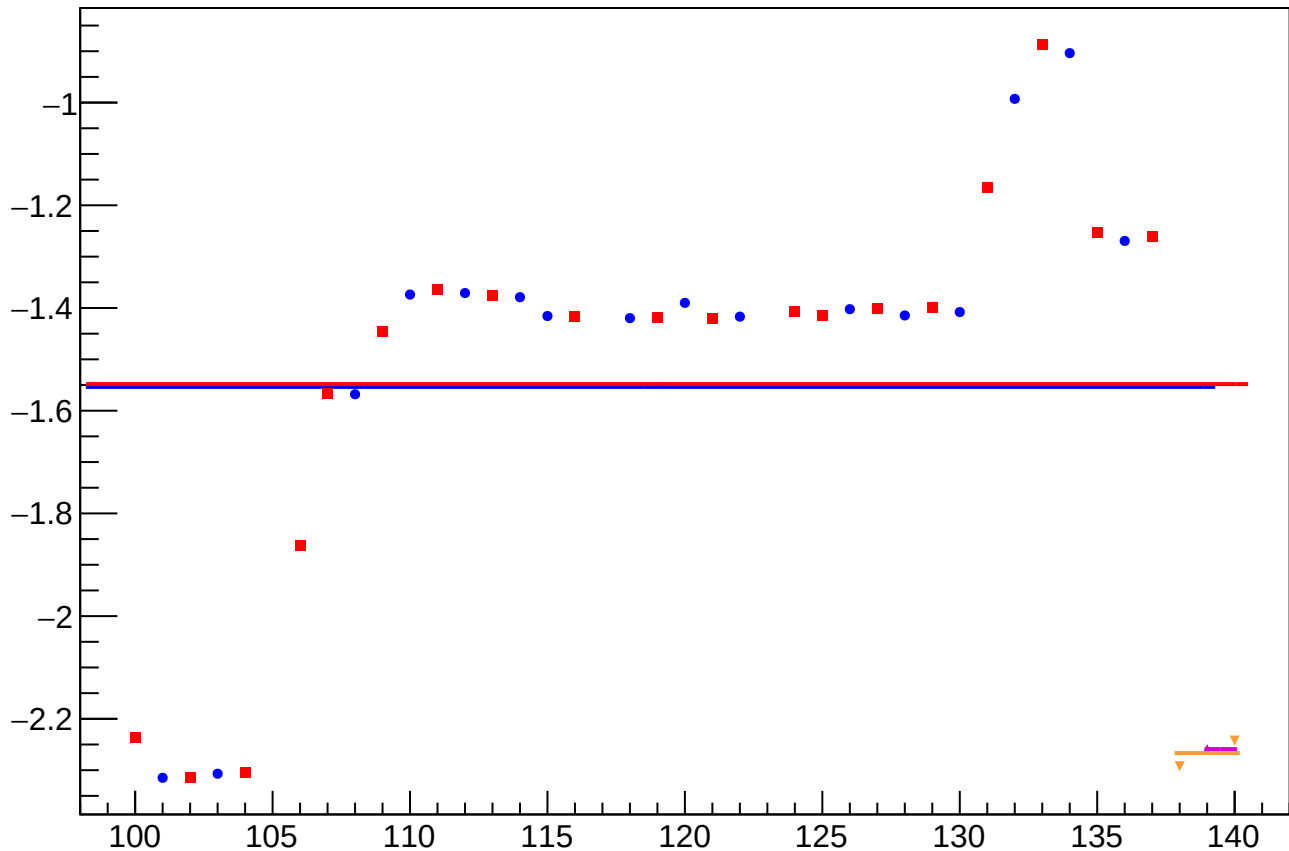
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.007+/-0.000 χ^2/NDF : 239015.4/17

All: 0.007+/-0.000 χ^2/NDF : 443465.7/37

- sign 0.007+/-0.000 χ^2/NDF : 196108.8/19

yield_bpm0l06Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 175176621986.0/15

Left Out: -2.267+/-0.000 χ^2/NDF : 89914771.1/1

Right Out: -1.548+/-0.000 χ^2/NDF : 174743666302.8/18

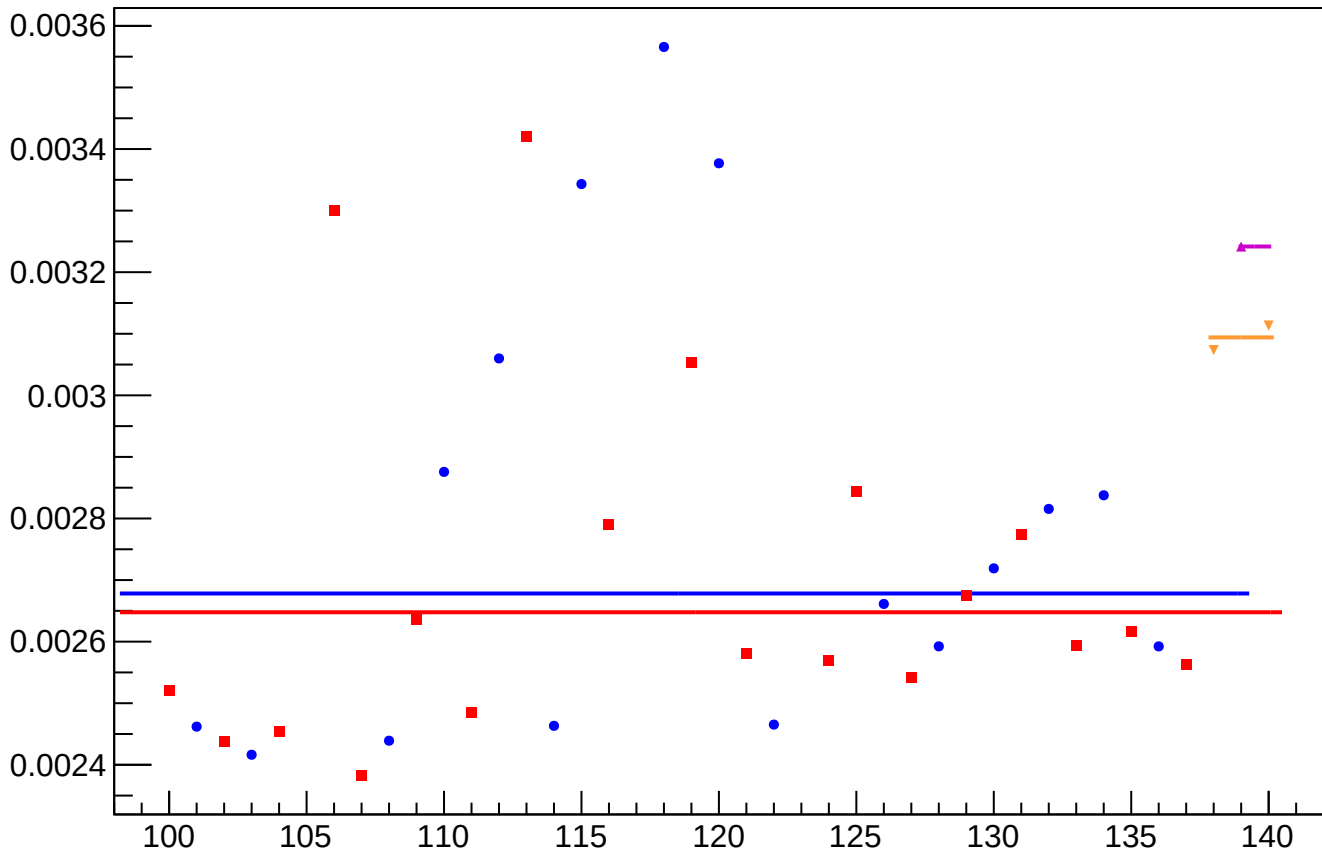
Left In: -2.259+/-0.000 χ^2/NDF : 0.0/0

+ sign -1.649+/-0.000 χ^2/NDF : 238778936537.9/17

All: -1.622+/-0.000 χ^2/NDF : 448308634585.4

- sign -1.595+/-0.000 χ^2/NDF : 207968425154.8/19

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 :113.8/1

Right Out: 0.003+/-0.000 χ^2/NDF : 116150.5/18

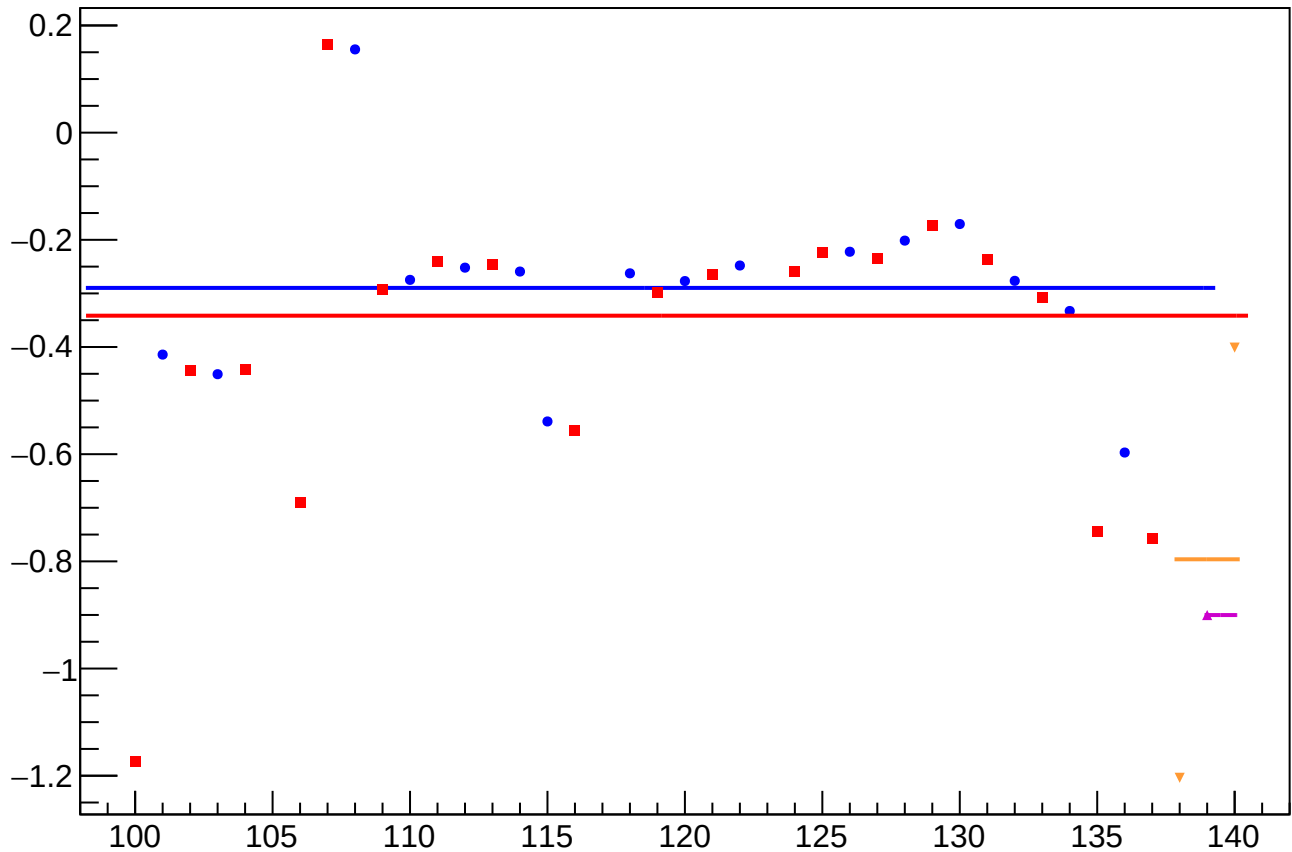
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 201213.0/17

All: 0.003+/-0.000 χ^2/NDF : 366154.0/37

- sign 0.003+/-0.000 χ^2/NDF : 162569.9/19

yield_bpm0l07X_mean vs Slug



Right In: -0.290 ± 0.000 χ^2/NDF : 1645174238.4/15

Left Out: -0.796 ± 0.000 χ^2/NDF : 1032607561.7/1

Right Out: -0.342 ± 0.000 χ^2/NDF : 2609243421.7/18

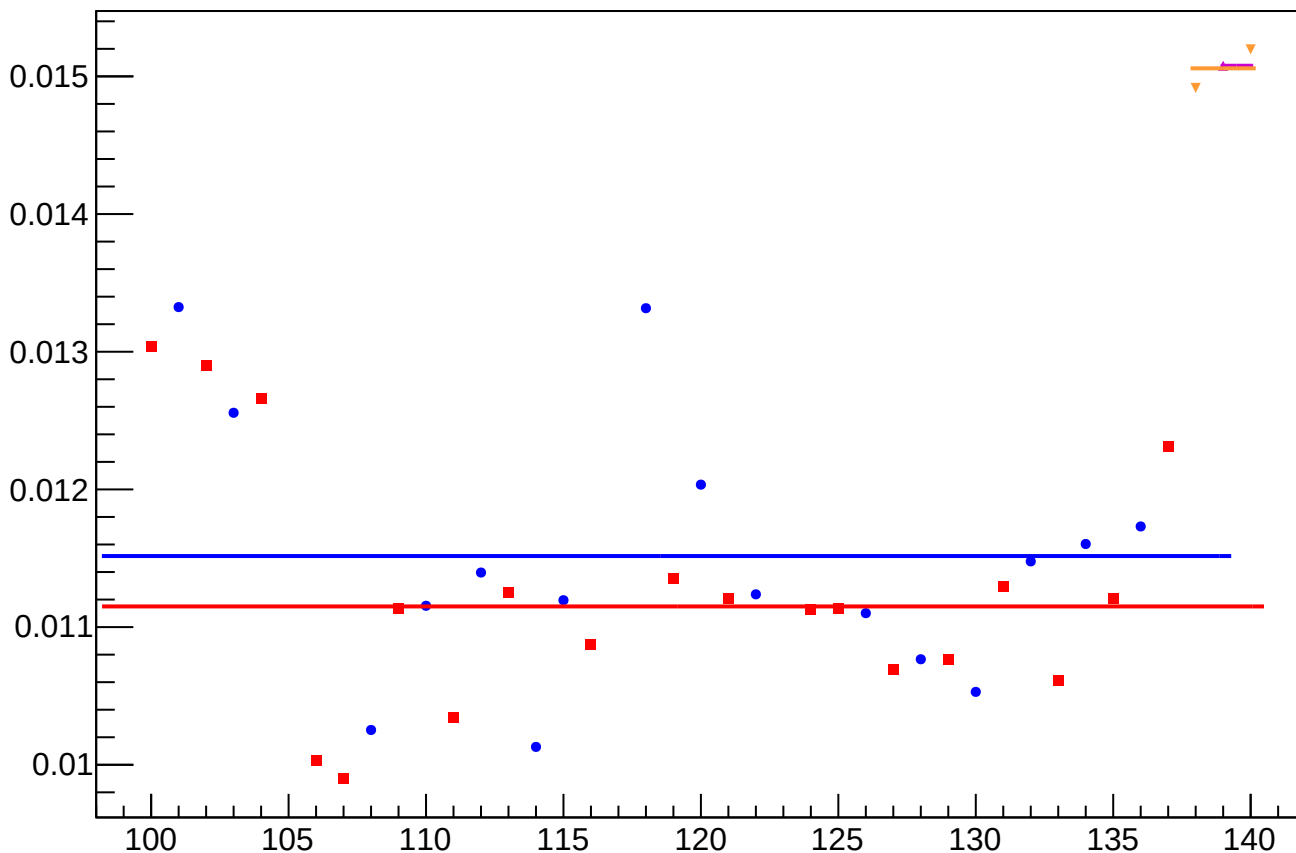
Left In: -0.900 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.345 ± 0.000 χ^2/NDF : 4142038603.0/17

All: -0.360 ± 0.000 χ^2/NDF : 7807587593.4/3

- sign -0.373 ± 0.000 χ^2/NDF : 3641880775.4/19

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 : 251.0/1

Right Out: 0.011 ± 0.000 χ^2/NDF : 70560.1/18

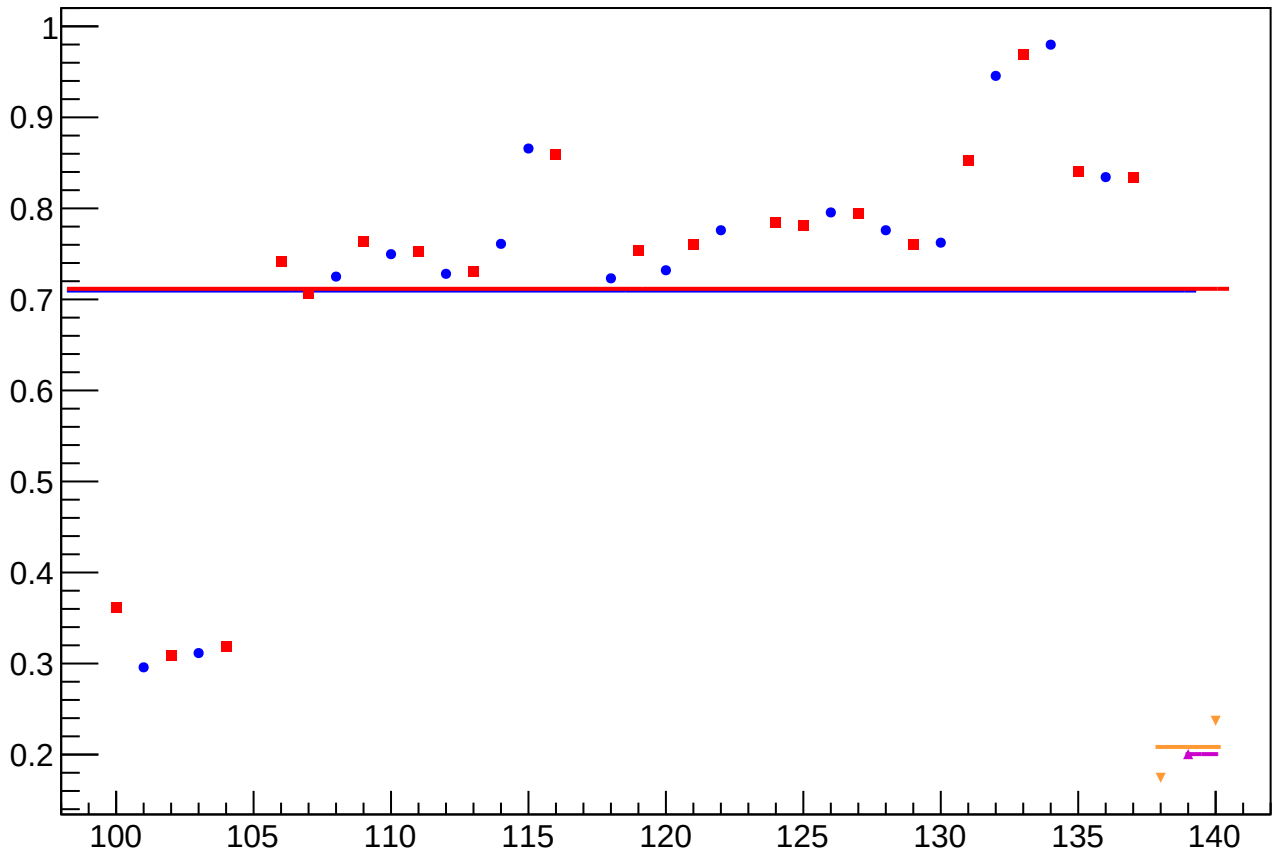
Left In: 0.015 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.012 ± 0.000 χ^2/NDF : 227808.7/17

All: 0.012 ± 0.000 χ^2/NDF : 417409.2/37

- sign 0.011 ± 0.000 χ^2/NDF : 172624.8/19

yield_bpm0l07Y_mean vs Slug



Right In: 0.710 $\pm$ 0.000 χ^2 /NDF: 48924347494.6/15

Left Out: 0.208 $\pm$ 0.000 χ^2 /NDF: 377943254.8/1

Right Out: 0.712 $\pm$ 0.000 χ^2 /NDF: 44174681920.8/18

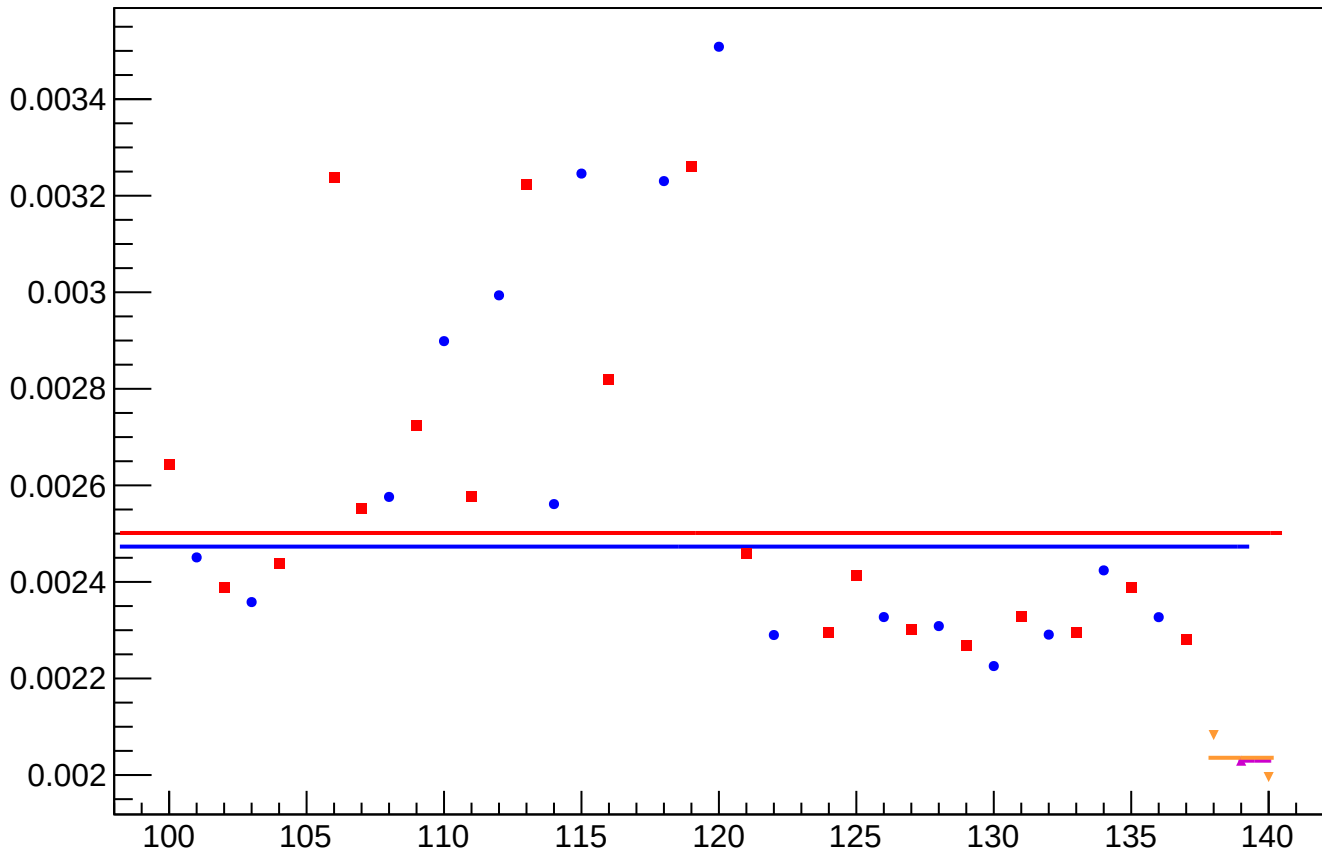
Left In: 0.200 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.580 $\pm$ 0.000 χ^2 /NDF: 121621498613.6/17

All: 0.605 $\pm$ 0.000 χ^2 /NDF: 212959140406.3

- sign 0.633 $\pm$ 0.000 χ^2 /NDF: 89381275095.6/19

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 :1456.4/1

Right Out: 0.003+/-0.000 χ^2/NDF : 177427.2/18

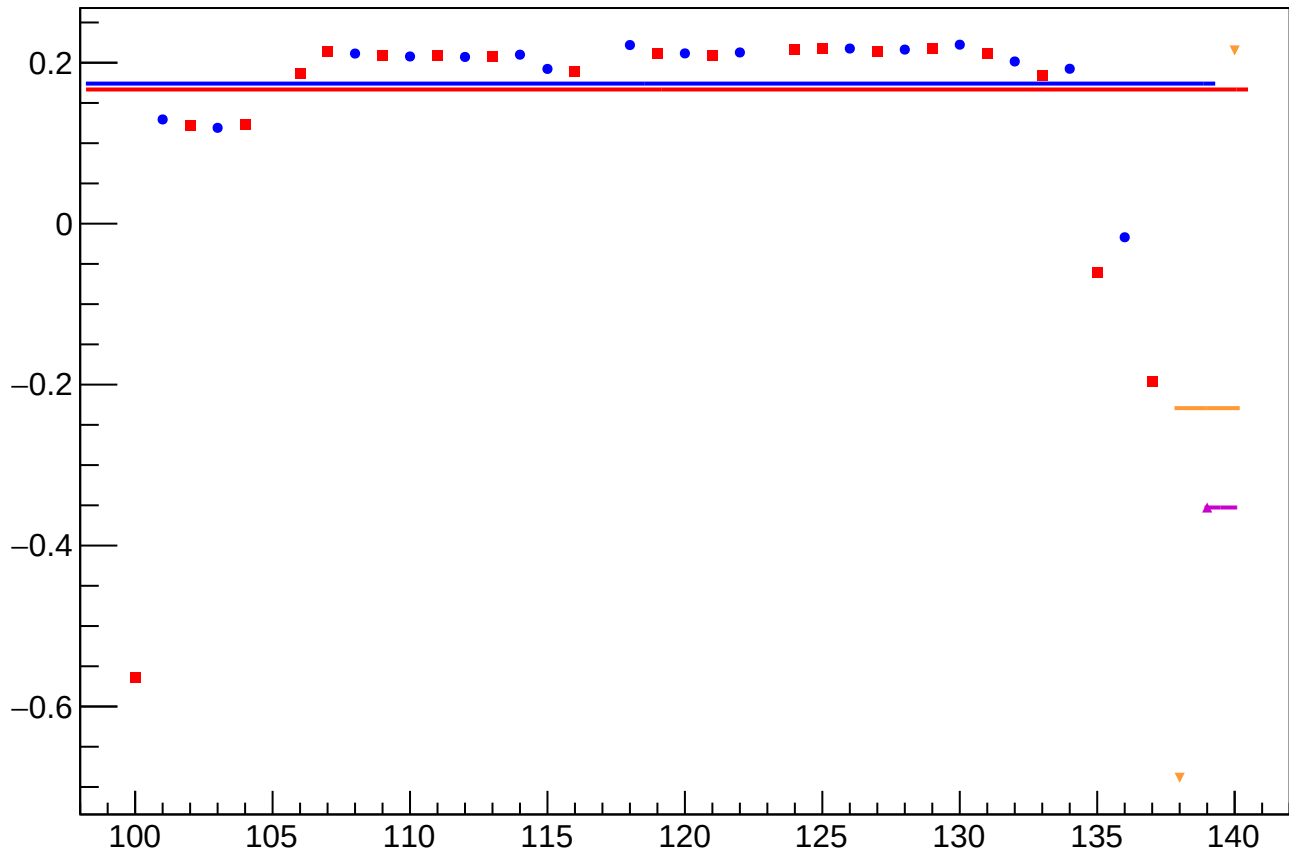
Left In: 0.002+/-0.000 χ^2/NDF :0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 319602.2/17

All: 0.002+/-0.000 χ^2/NDF : 580623.2/37

- sign 0.002+/-0.000 χ^2/NDF : 254398.9/19

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF : 401946344.0/15

Left Out: -0.229+/-0.000 χ^2/NDF : 1615710988.7/1

Right Out: 0.167+/-0.000 χ^2/NDF : 894131198.6/18

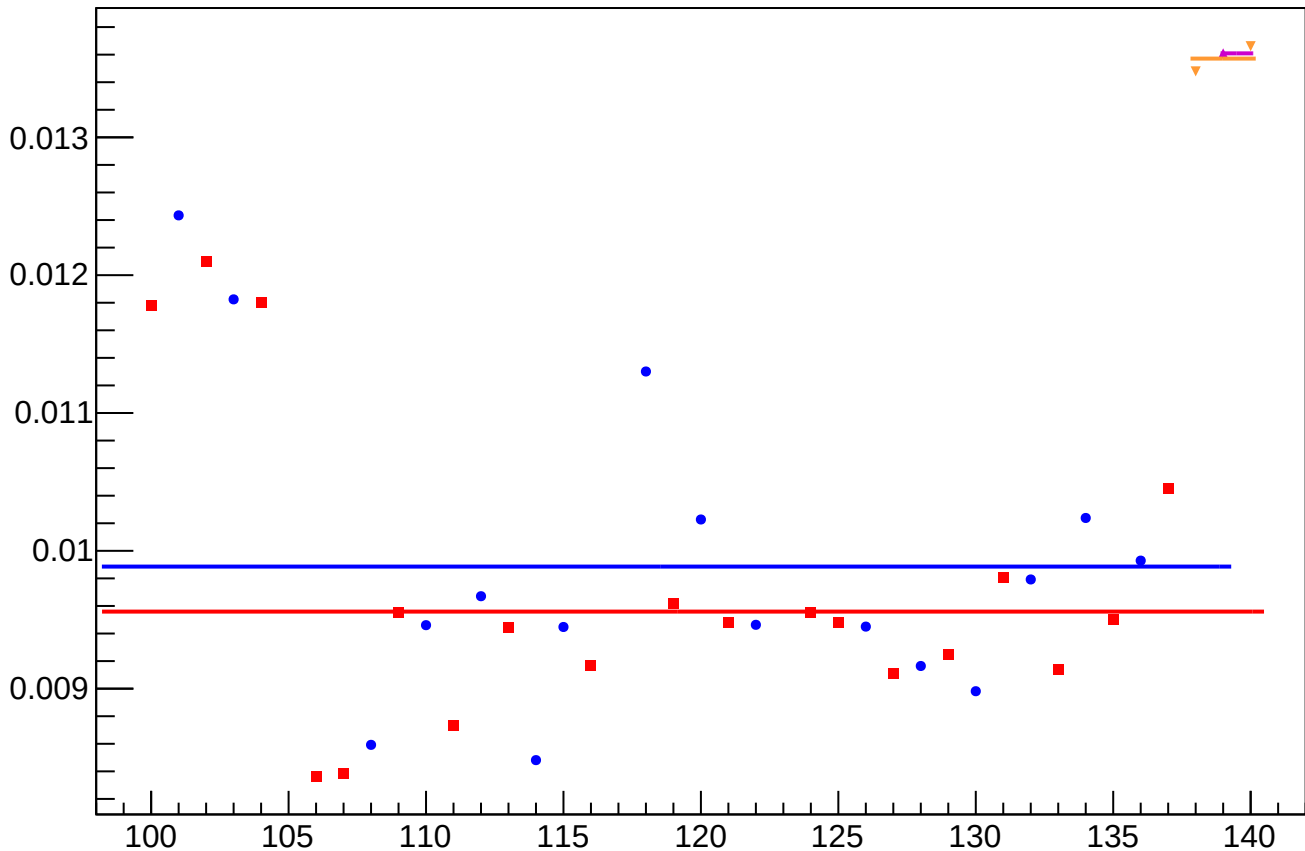
Left In: -0.353+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.133+/-0.000 χ^2/NDF : 3174459219.5/17

All: 0.137+/-0.000 χ^2/NDF : 5178995648.0/37

- sign 0.140+/-0.000 χ^2/NDF : 2002854007.5/19

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 148562.0/15

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:132.1/1

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 136197.0/18

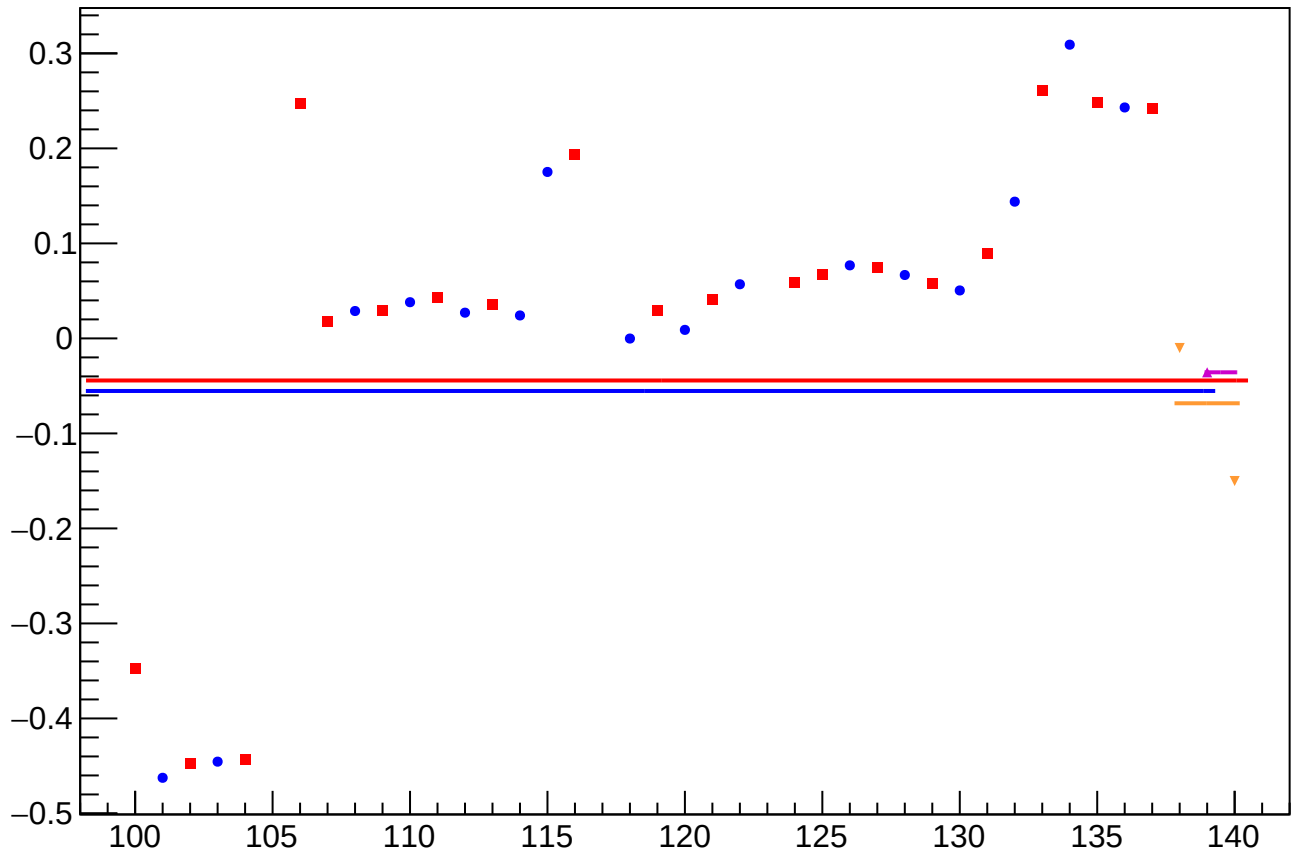
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 341916.7/17

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 632179.9/37

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 271013.8/19

yield_bpm0l08Y_mean vs Slug



Right In: -0.055+/-0.000 χ^2/NDF : 24081939190.6/15

Left Out: -0.068+/-0.000 χ^2/NDF : 773709891.9/1

+ sign -0.060+/-0.000 χ^2/NDF : 24873698971.0/17

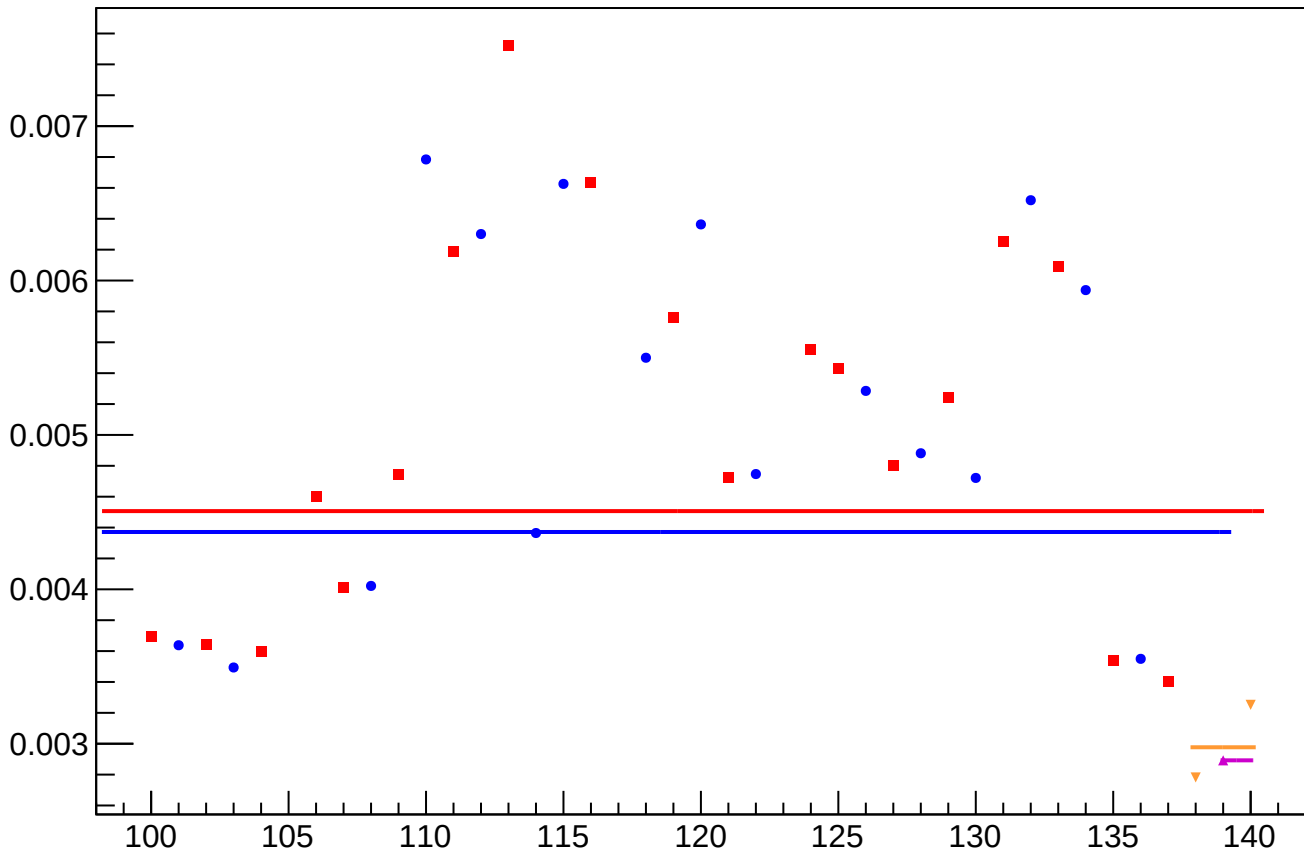
Right Out: -0.044+/-0.000 χ^2/NDF : 22136167141.7/18

All: -0.052+/-0.000 χ^2/NDF : 47082884261.7

- sign -0.042+/-0.000 χ^2/NDF : 22141660195.4/19

Left In: -0.036+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 660432.6/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:17455.5/1

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 704549.6/18

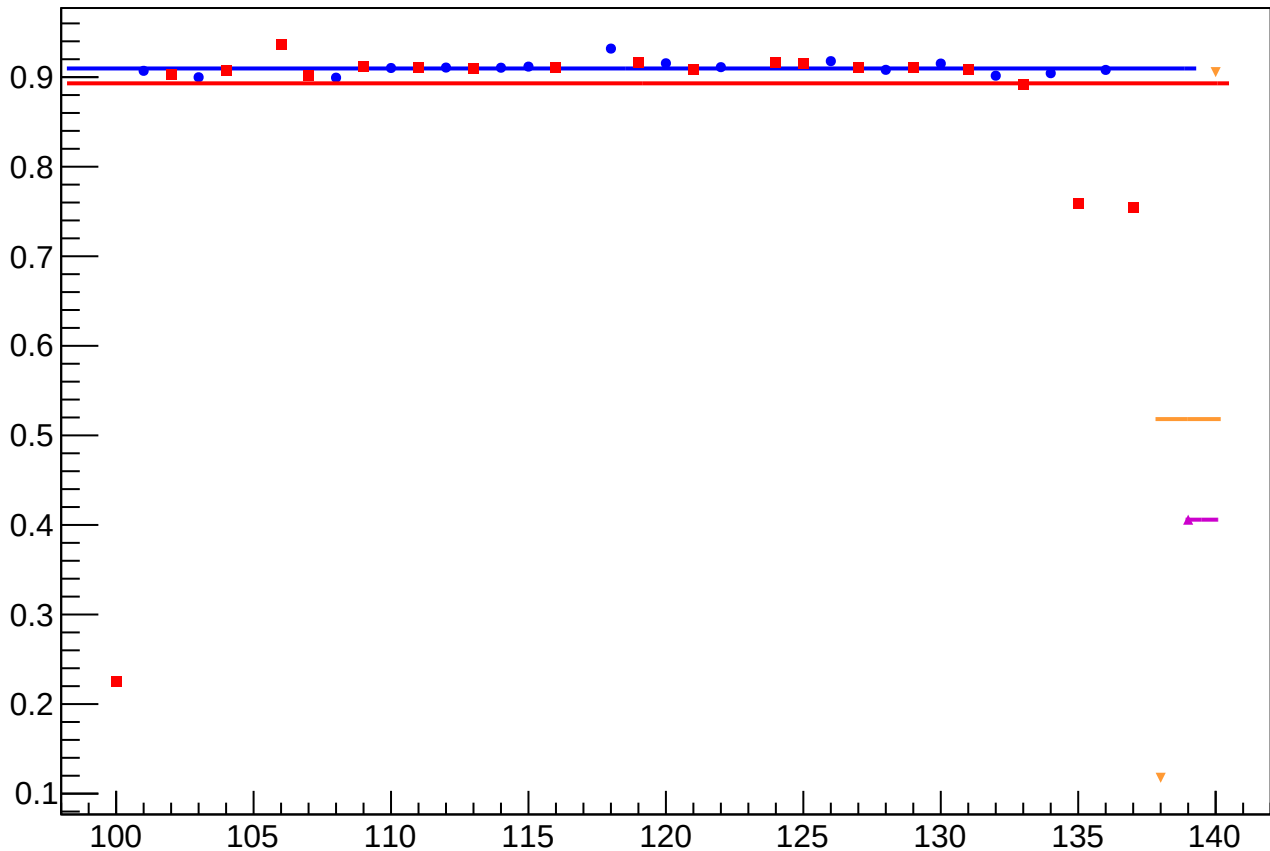
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1096569.9/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2210240.7/37

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1091212.6/19

yield_bpm0l09X_mean vs Slug



Right In: 0.910 $\pm$ 0.000 χ^2 /NDF: 3133349.6/15

Left Out: 0.518 $\pm$ 0.000 χ^2 /NDF:1335231689.2/1

Right Out: 0.893 $\pm$ 0.000 χ^2 /NDF: 327979021.4/18

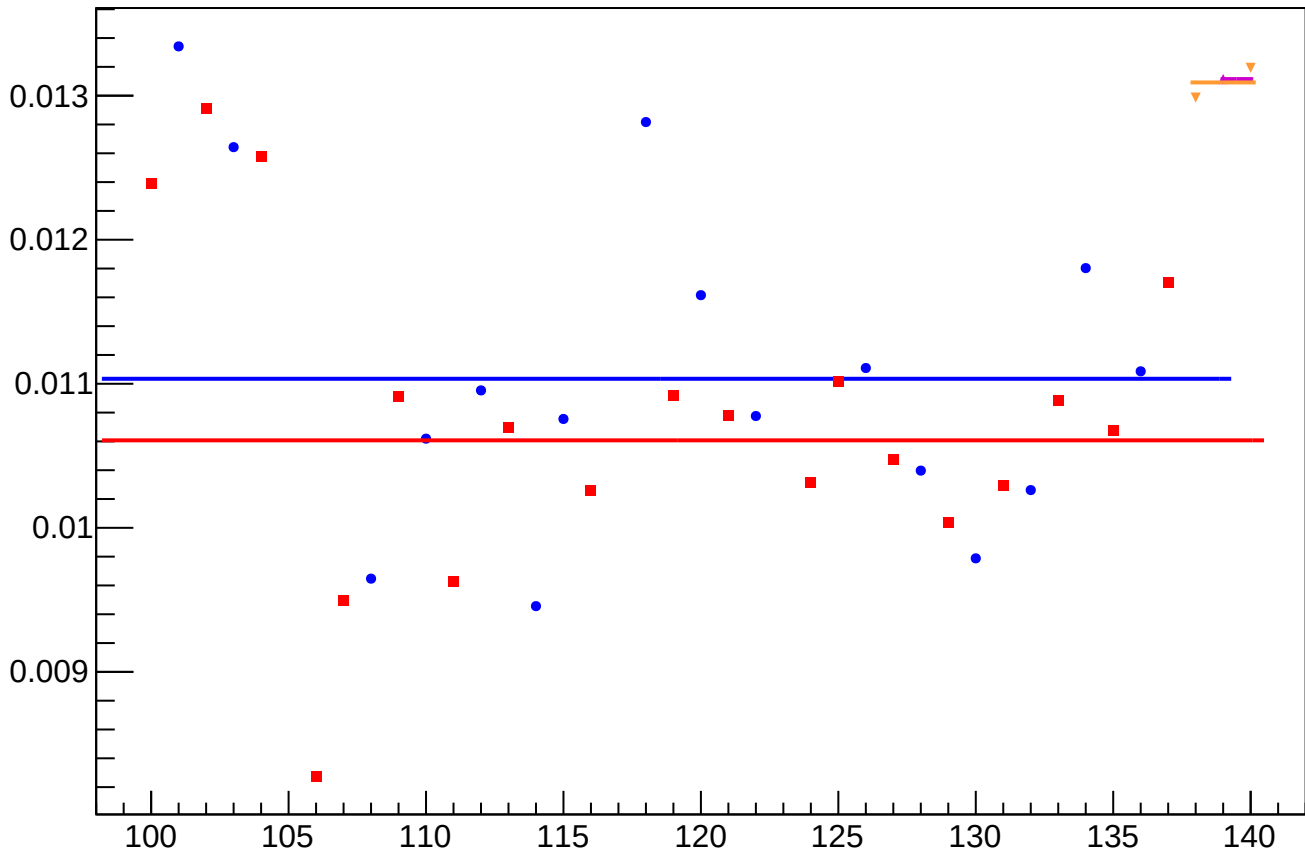
Left In: 0.406 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.858 $\pm$ 0.000 χ^2 /NDF: 2482686974.1/17

All: 0.859 $\pm$ 0.000 χ^2 /NDF: 3851682207.9/37

- sign 0.860 $\pm$ 0.000 χ^2 /NDF: 1368878796.8/19

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 :183.6/1

Right Out: 0.011+/-0.000 χ^2/NDF : 143947.4/18

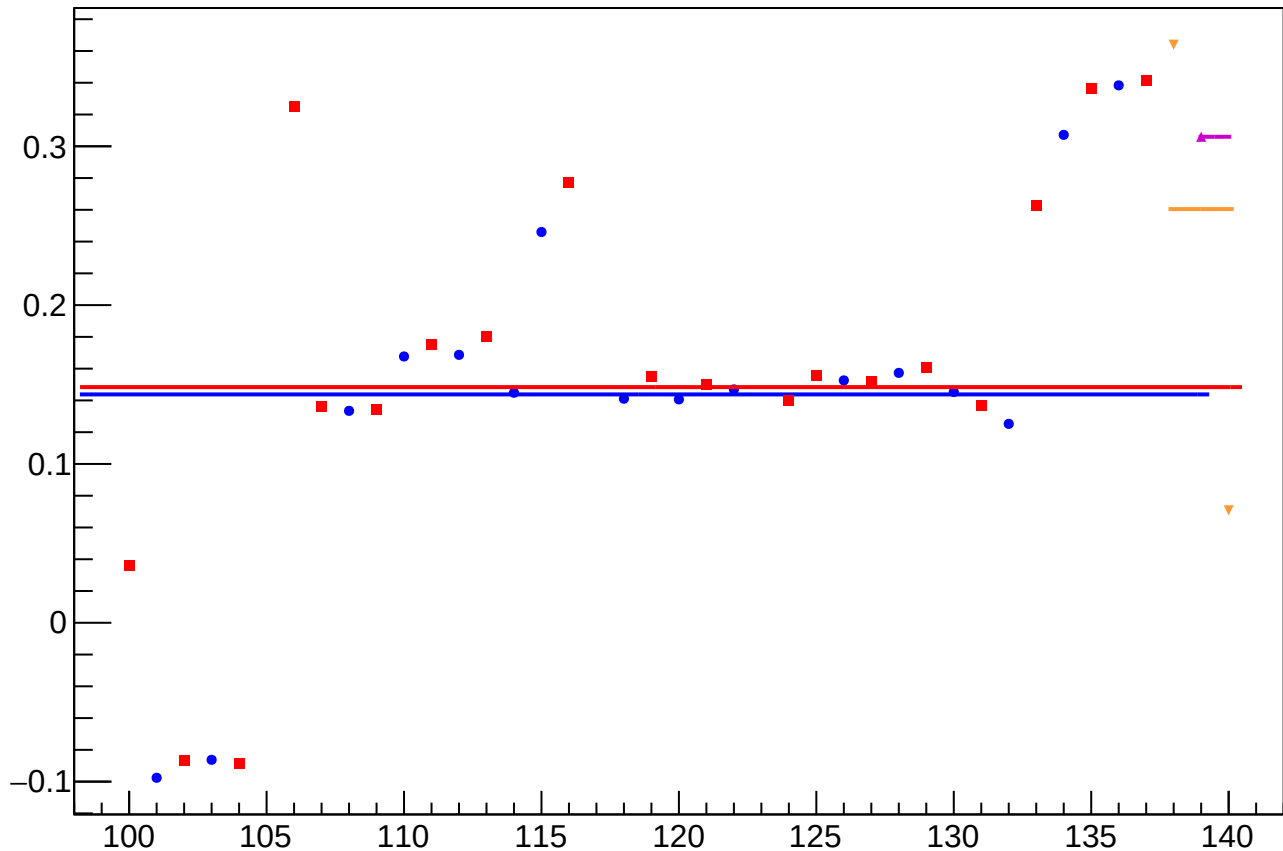
Left In: 0.013+/-0.000 χ^2/NDF :0.0/0

+ sign 0.011+/-0.000 χ^2/NDF : 193736.6/17

All: 0.011+/-0.000 χ^2/NDF : 411479.6/37

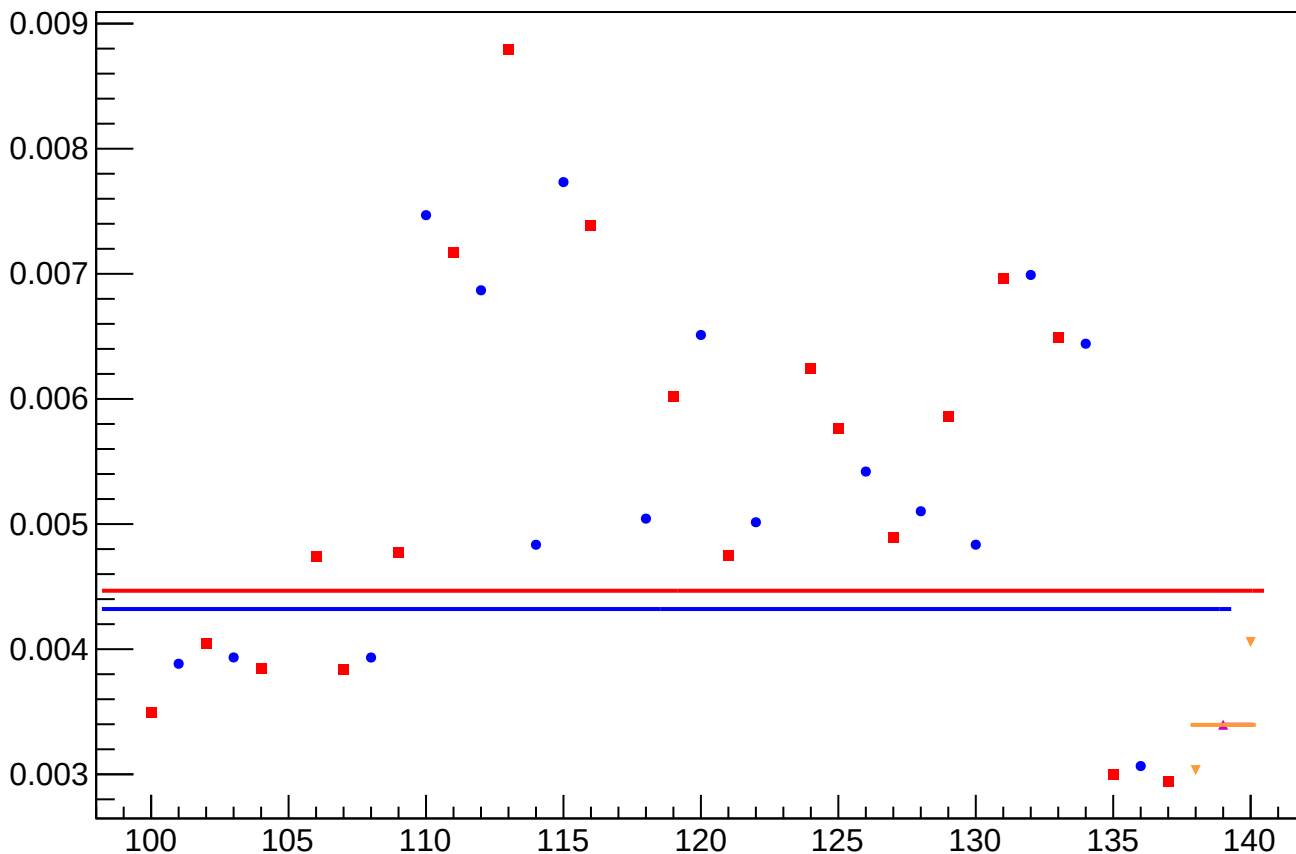
- sign 0.011+/-0.000 χ^2/NDF : 199117.0/19

yield_bpm0l09Y_mean vs Slug



Right In: 0.144 +/- 0.000 χ^2/NDF : 7867304536.4/15
 Left Out: 0.260 +/- 0.000 χ^2/NDF : 2295734735.7/1
 Right Out: 0.148 +/- 0.000 χ^2/NDF : 7128567107.5/18
 Left In: 0.306 +/- 0.000 χ^2/NDF : 0.0/0
 + sign 0.176 +/- 0.000 χ^2/NDF : 11315851763.9/17
 - sign 0.177 +/- 0.000 χ^2/NDF : 8483122882.3/19
 All: 0.177 +/- 0.000 χ^2/NDF : 19799294432.0/3

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF :56001.1/1

Right Out: 0.004+/-0.000 χ^2/NDF : 1085759.3/18

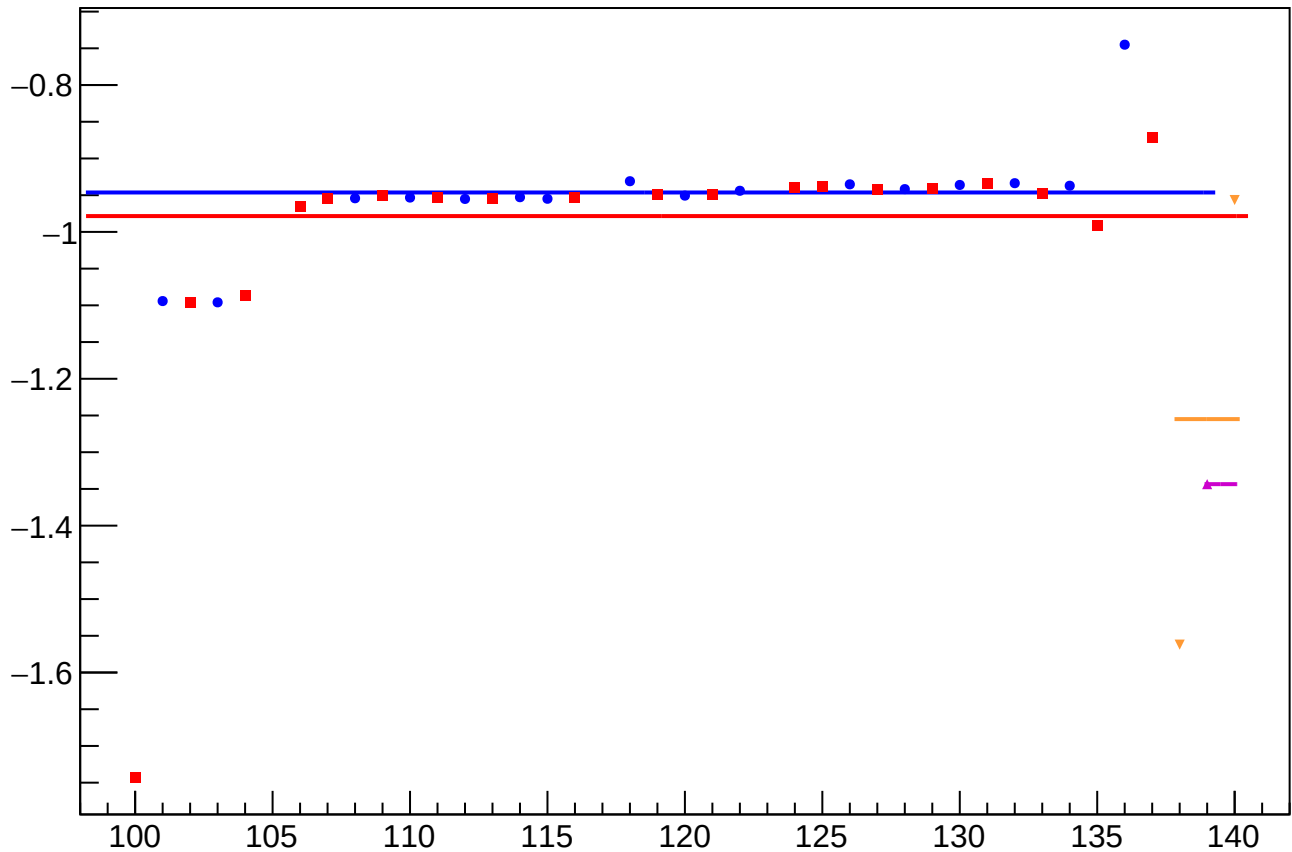
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 1079600.5/17

All: 0.004+/-0.000 χ^2/NDF : 2306922.8/37

- sign 0.004+/-0.000 χ^2/NDF : 1210772.1/19

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF : 404509465.5/15

Left Out: -1.255+/-0.000 χ^2/NDF : 1014469986.0/1

Right Out: -0.978+/-0.000 χ^2/NDF : 461081476.3/18

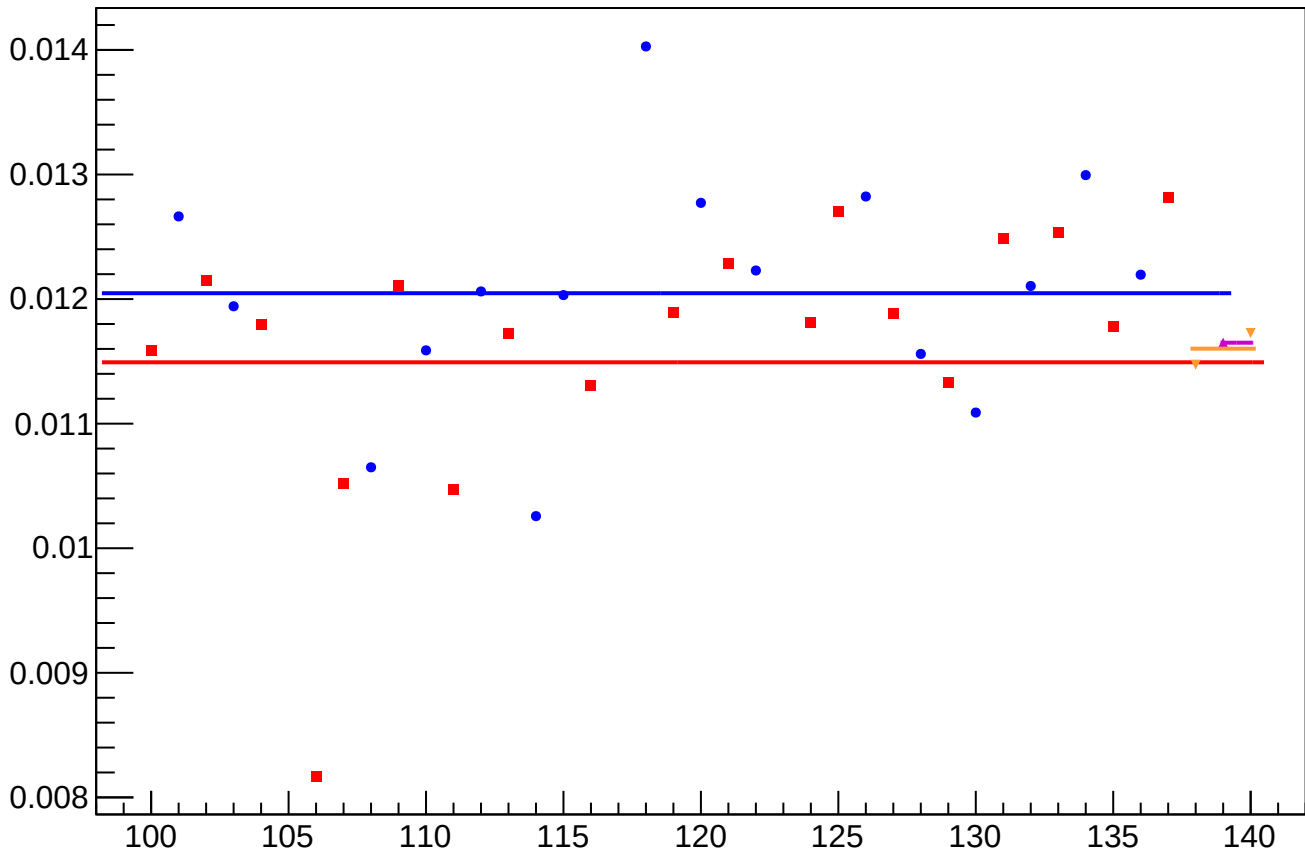
Left In: -1.343+/-0.000 χ^2/NDF : 0.0/0

+ sign -1.005+/-0.000 χ^2/NDF : 2273623018.3/17

All: -1.010+/-0.000 χ^2/NDF : 3457809236.4/3

- sign -1.015+/-0.000 χ^2/NDF : 1181205161.3/19

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 62476.3/15

Left Out: 0.012+/-0.000 χ^2/NDF : 358.7/1

Right Out: 0.011+/-0.000 χ^2/NDF : 151309.4/18

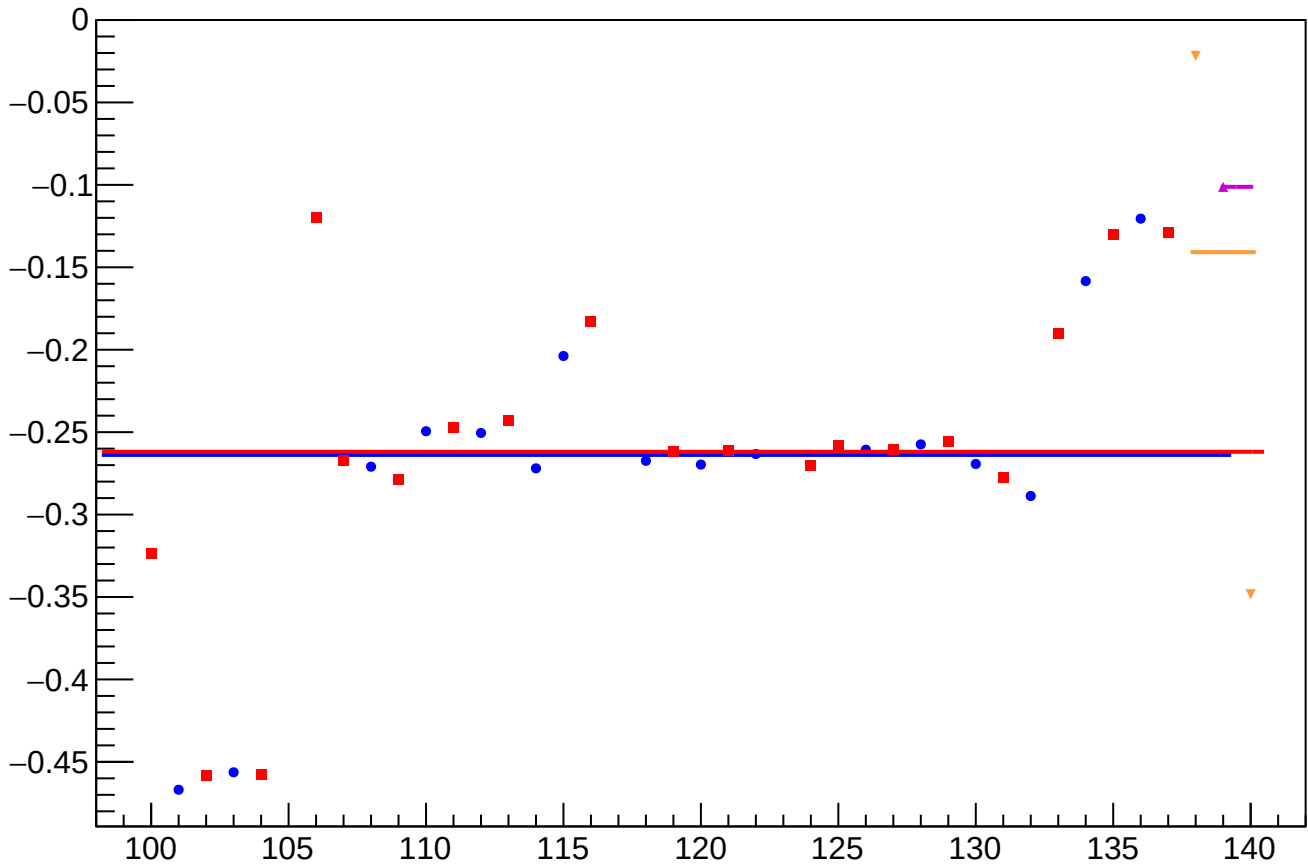
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.000 χ^2/NDF : 66389.9/17

All: 0.012+/-0.000 χ^2/NDF : 230215.5/37

- sign 0.012+/-0.000 χ^2/NDF : 151576.5/19

yield_bpm0l10Y_mean vs Slug



Right In: -0.264+/-0.000 χ^2/NDF : 6106171444.3/15

Left Out: -0.141+/-0.000 χ^2/NDF : 2124275935.8/1

Right Out: -0.262+/-0.000 χ^2/NDF : 5250043427.3/18

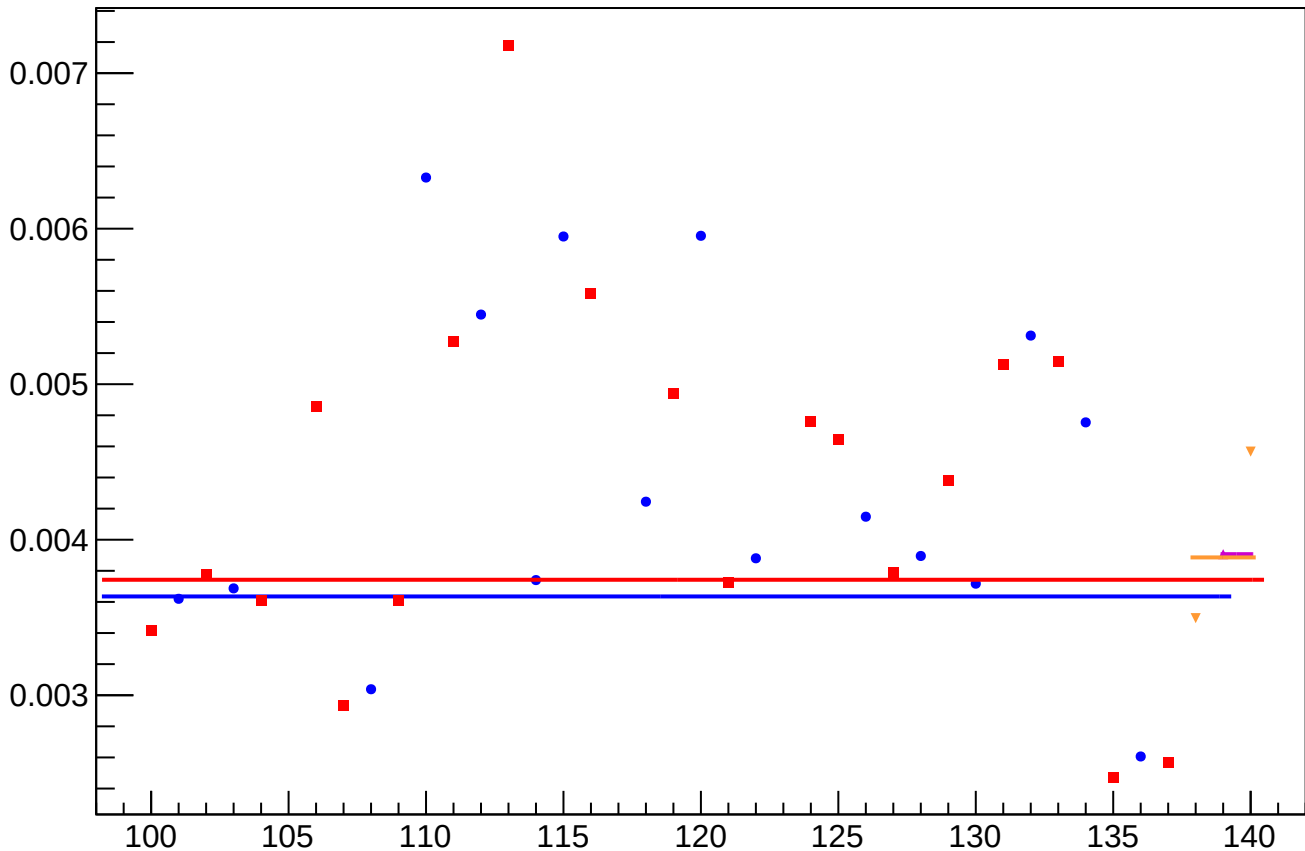
Left In: -0.101+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.244+/-0.000 χ^2/NDF : 9316852407.5/17

All: -0.245+/-0.000 χ^2/NDF : 15692836095.9/1

- sign -0.246+/-0.000 χ^2/NDF : 6374954889.7/19

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 : 45681.1/1

Right Out: 0.004+/-0.000 χ^2/NDF : 894189.4/18

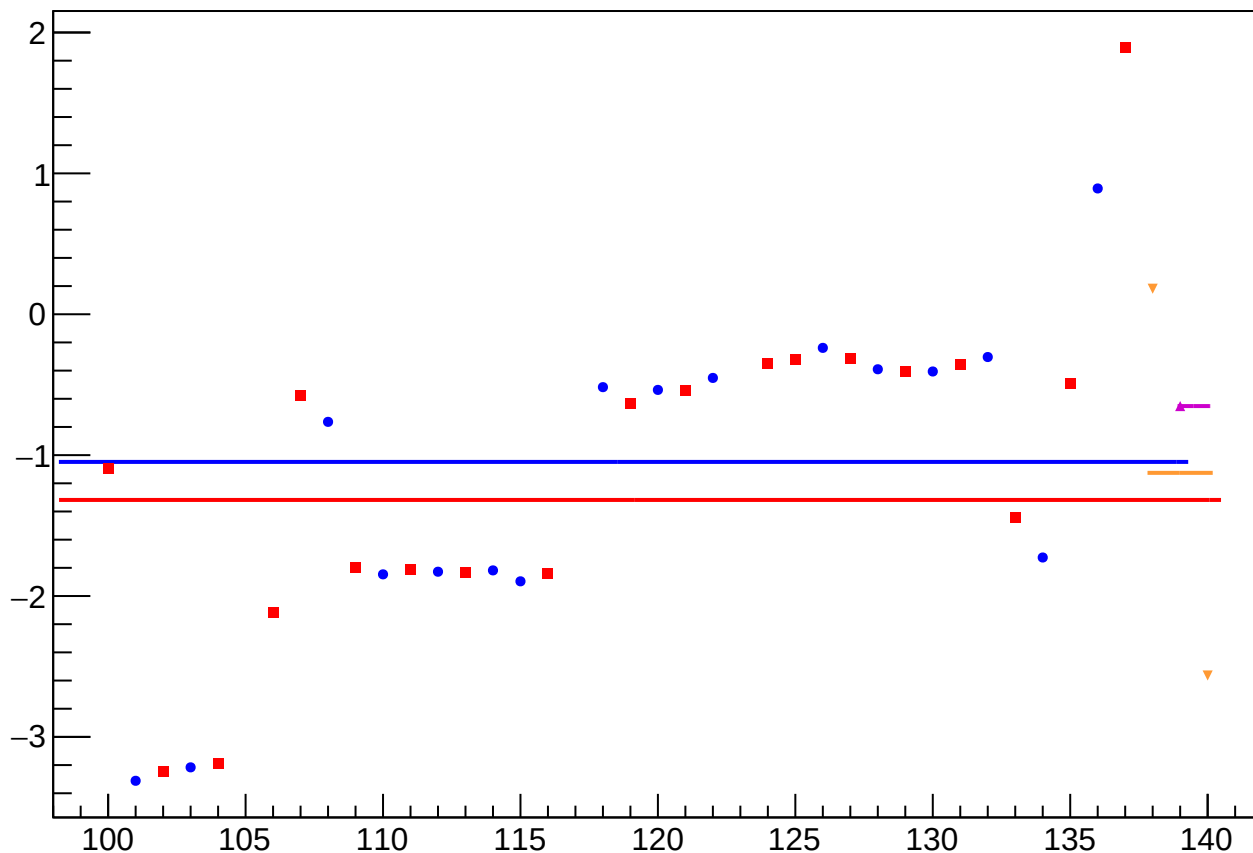
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 783325.6/17

All: 0.004+/-0.000 χ^2/NDF : 1683285.4/37

- sign 0.004+/-0.000 χ^2/NDF : 896548.9/19

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF : 2347020985.5/15

Left Out: -1.126+/-0.000 χ^2/NDF : 539927158.2/1

Right Out: -1.318+/-0.000 χ^2/NDF : 1847995615.1/18

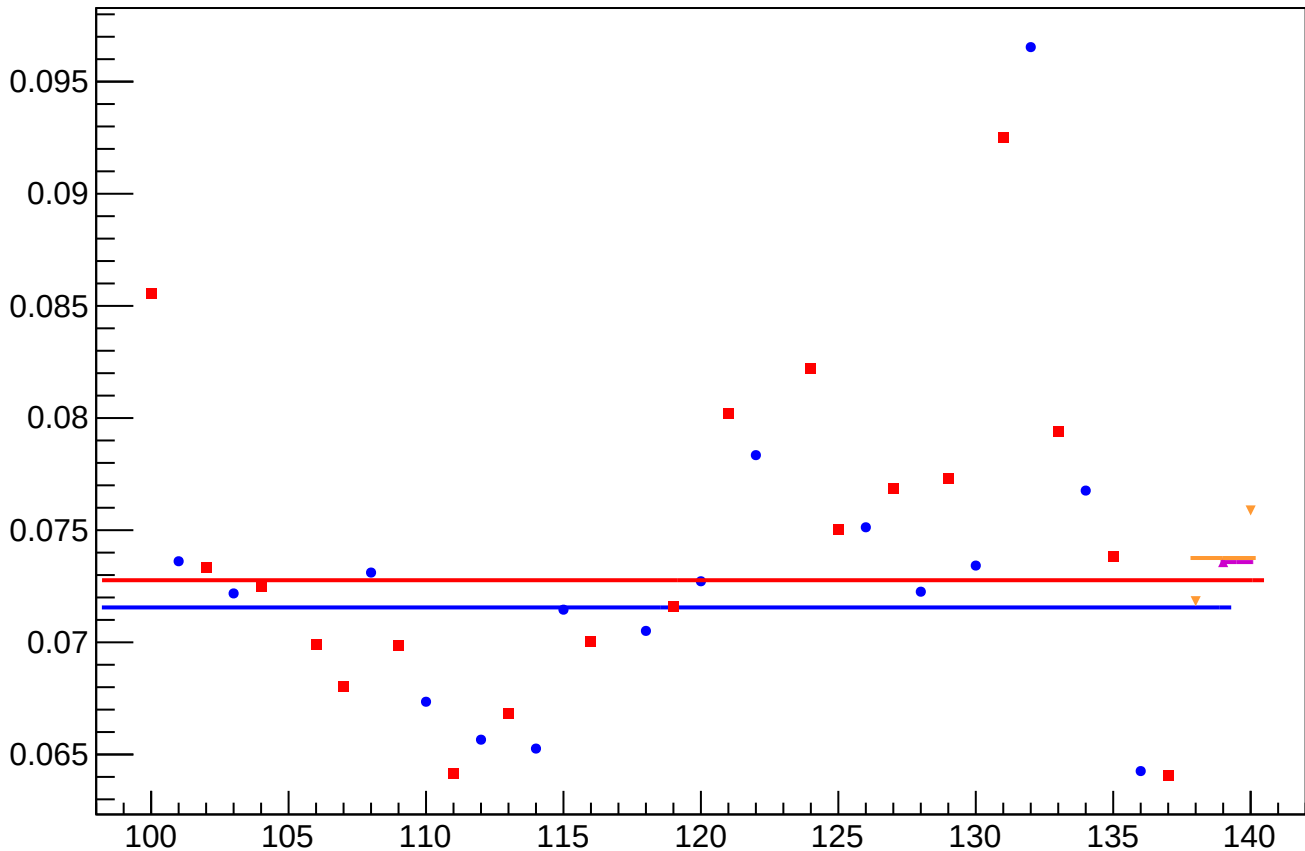
Left In: -0.652+/-0.000 χ^2/NDF : 0.0/0

+ sign -1.062+/-0.000 χ^2/NDF : 2888379700.7/17

All: -1.152+/-0.000 χ^2/NDF : 4826706603.9/3

- sign -1.250+/-0.000 χ^2/NDF : 1910066267.5/19

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF : 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF :2346.2/1

Right Out: 0.073+/-0.000 χ^2/NDF : 96874.2/18

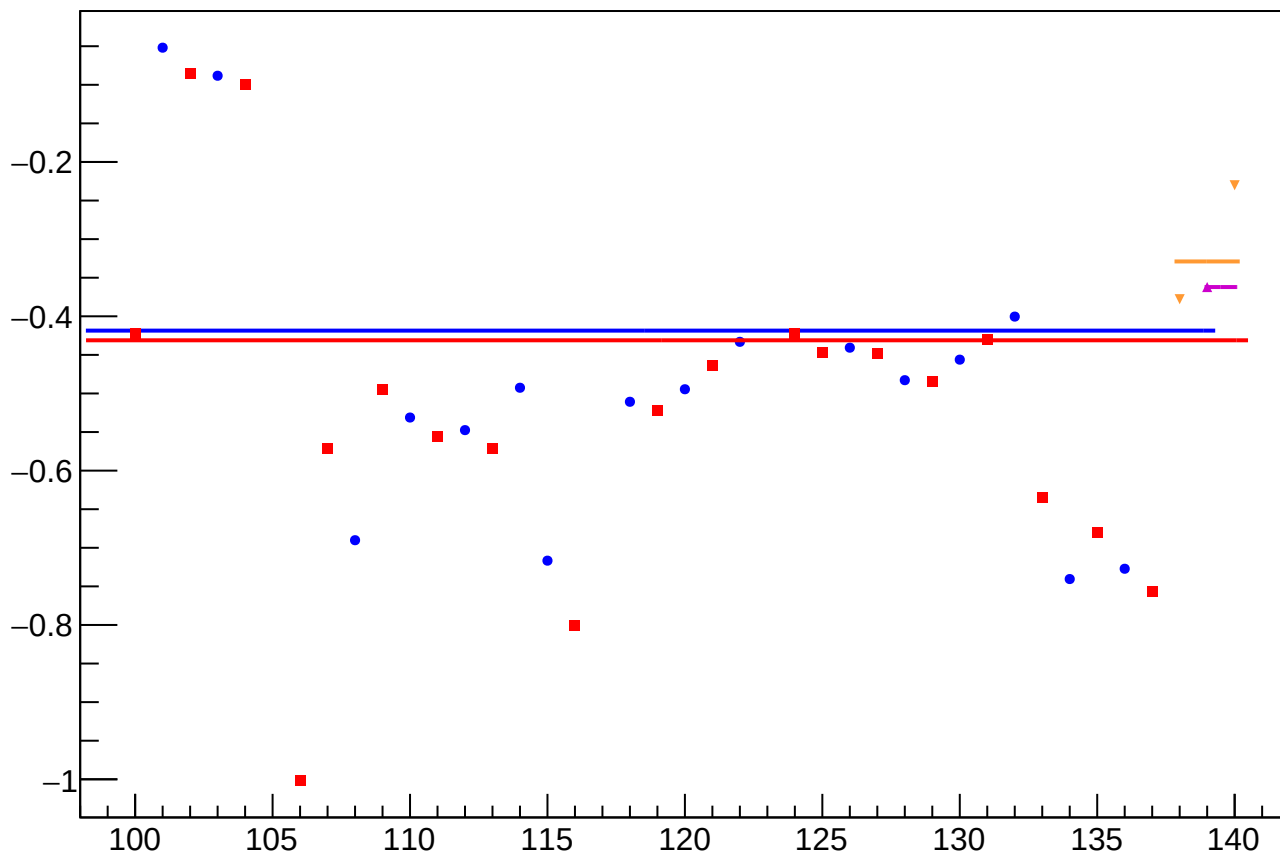
Left In: 0.074+/-0.000 χ^2/NDF :0.0/0

+ sign 0.072+/-0.000 χ^2/NDF : 105890.4/17

All: 0.072+/-0.000 χ^2/NDF : 204273.7/37

- sign 0.073+/-0.000 χ^2/NDF : 97057.0/19

yield_bpm0r03Y_mean vs Slug



Right In: -0.419 ± 0.000 χ^2/NDF : 3072147227.9/15

Left Out: -0.329 ± 0.000 χ^2/NDF : 126061288.0/1

Right Out: -0.431 ± 0.000 χ^2/NDF : 3196655095.4/18

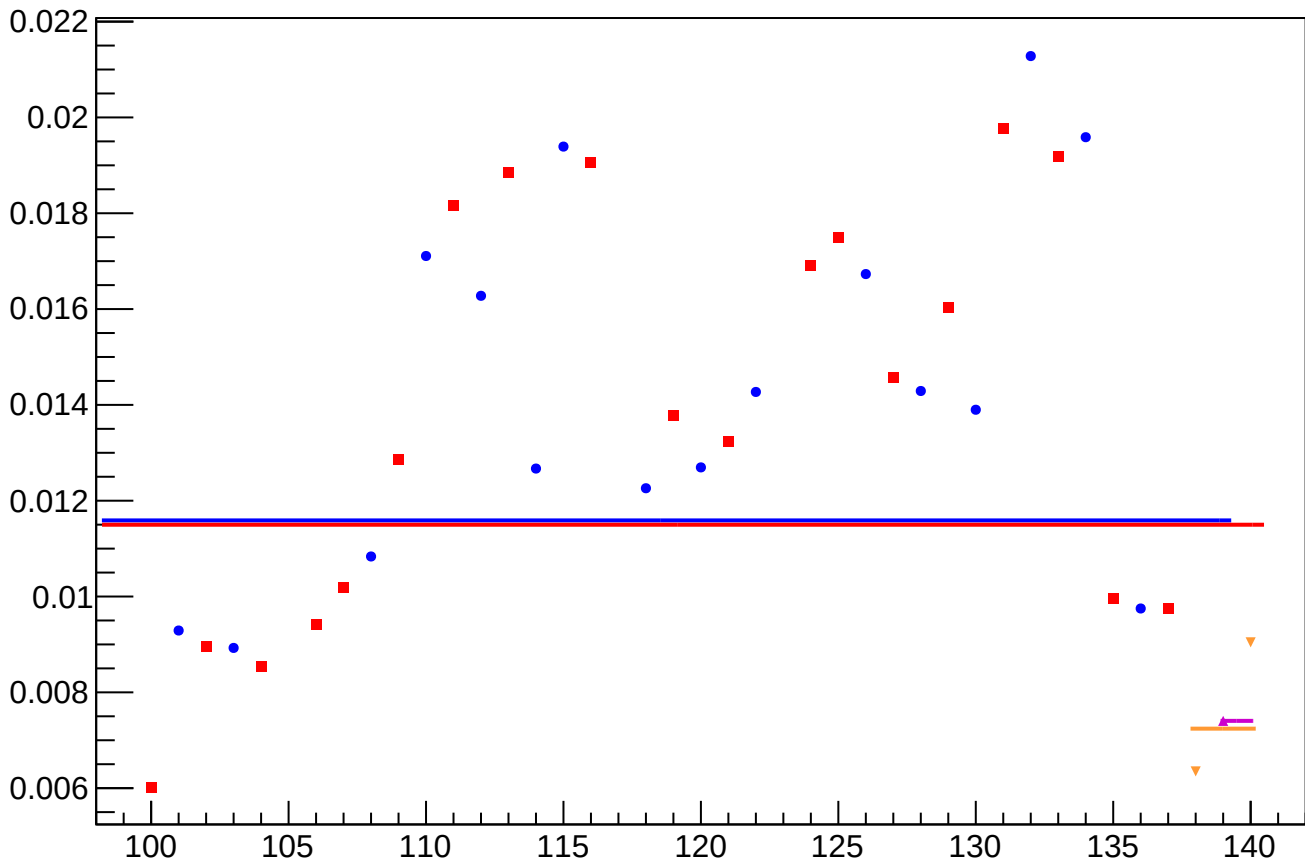
Left In: -0.362 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.385 ± 0.000 χ^2/NDF : 3330197540.2/17

All: -0.399 ± 0.000 χ^2/NDF : 6606082858.9/3

- sign -0.415 ± 0.000 χ^2/NDF : 3248144499.5/19

yield_bpm0r03Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 786260.7/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:83898.2/1

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1164657.0/18

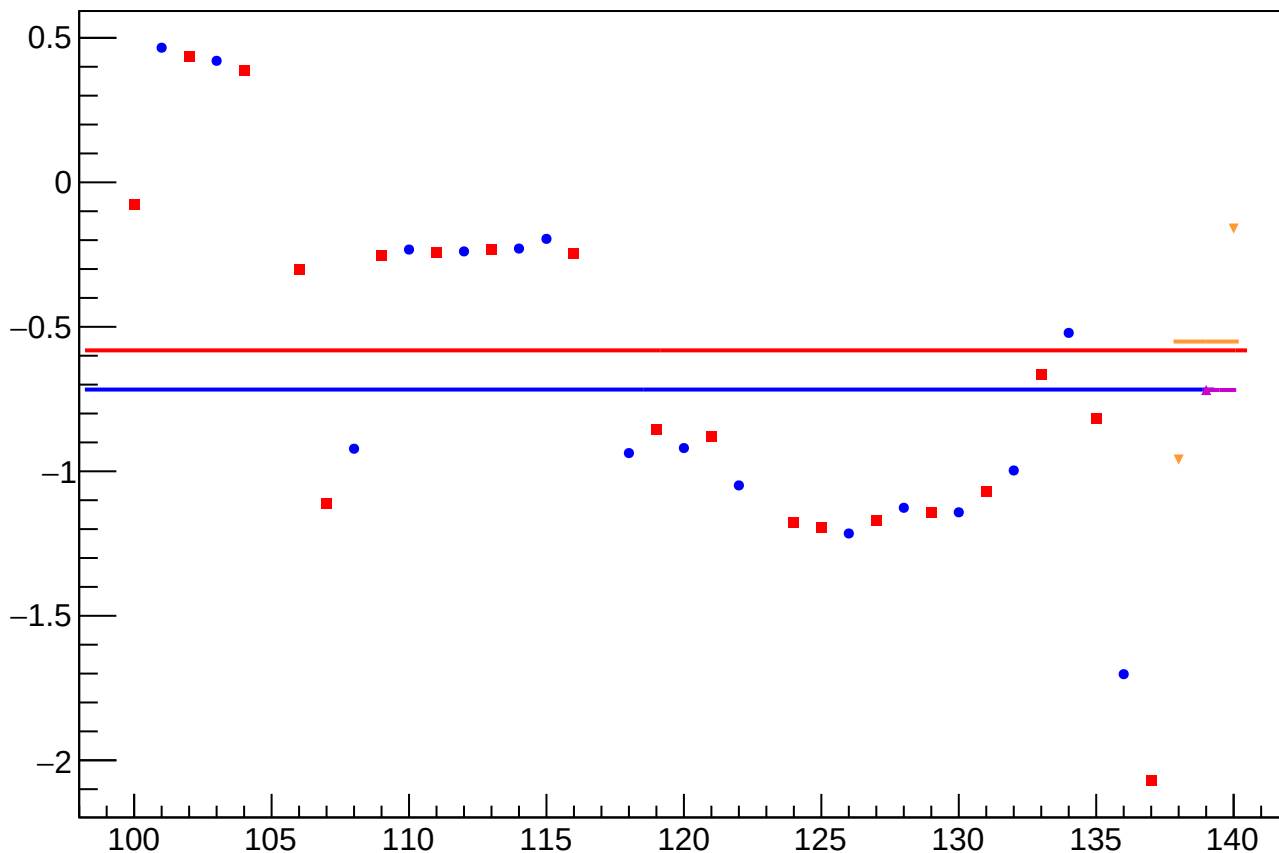
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1491003.7/17

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 3037201.6/37

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1527022.5/19

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF : 437423792.4/15

Left Out: -0.551+/-0.000 χ^2/NDF : 37118796.4/1

Right Out: -0.582+/-0.000 χ^2/NDF : 342062039.8/18

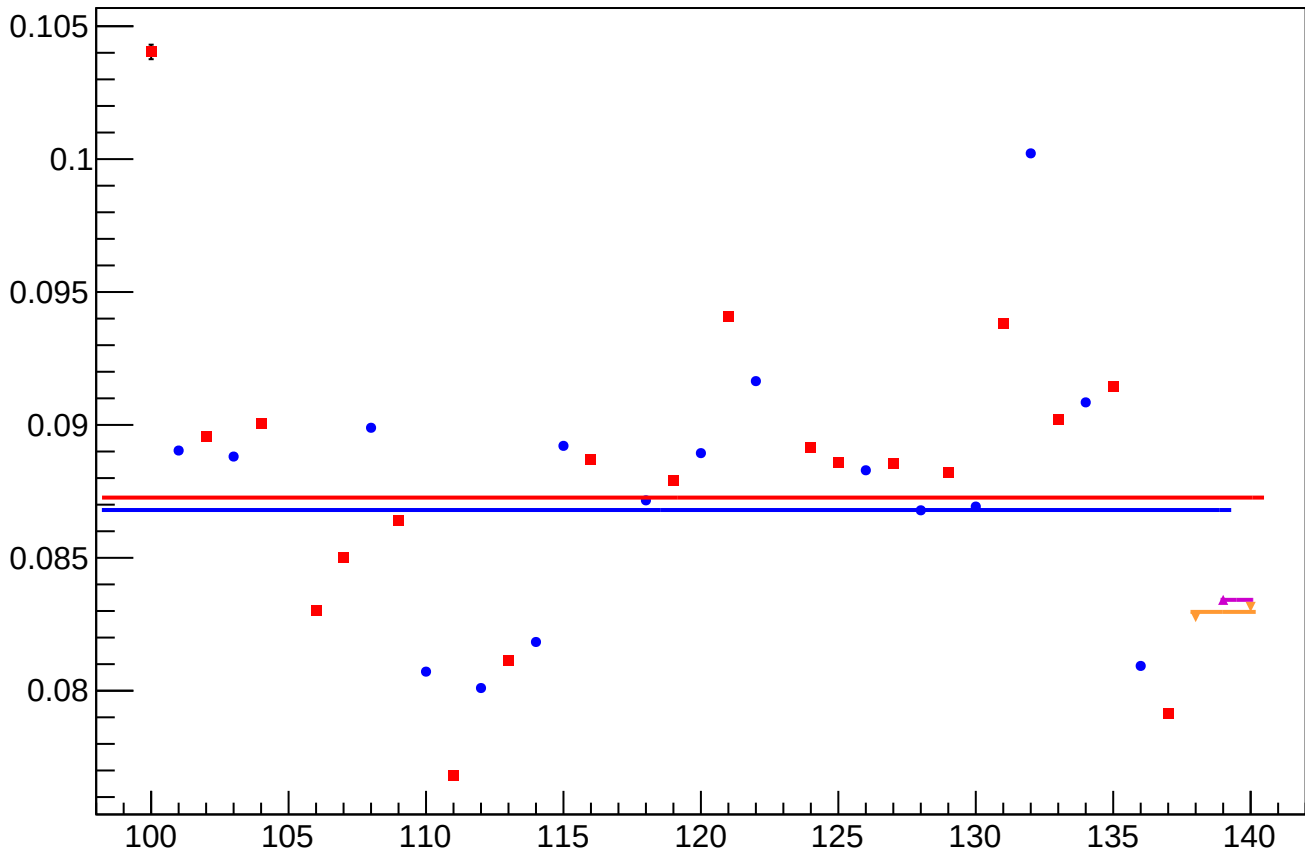
Left In: -0.719+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.684+/-0.000 χ^2/NDF : 479705983.9/17

All: -0.642+/-0.000 χ^2/NDF : 828187956.4/37

- sign -0.597+/-0.000 χ^2/NDF : 344089296.5/19

yield_bpm0r05X_rms vs Slug



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 43575.8/15

Left Out: 0.083 $\pm$ 0.000 χ^2 /NDF:17.2/1

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 46163.9/18

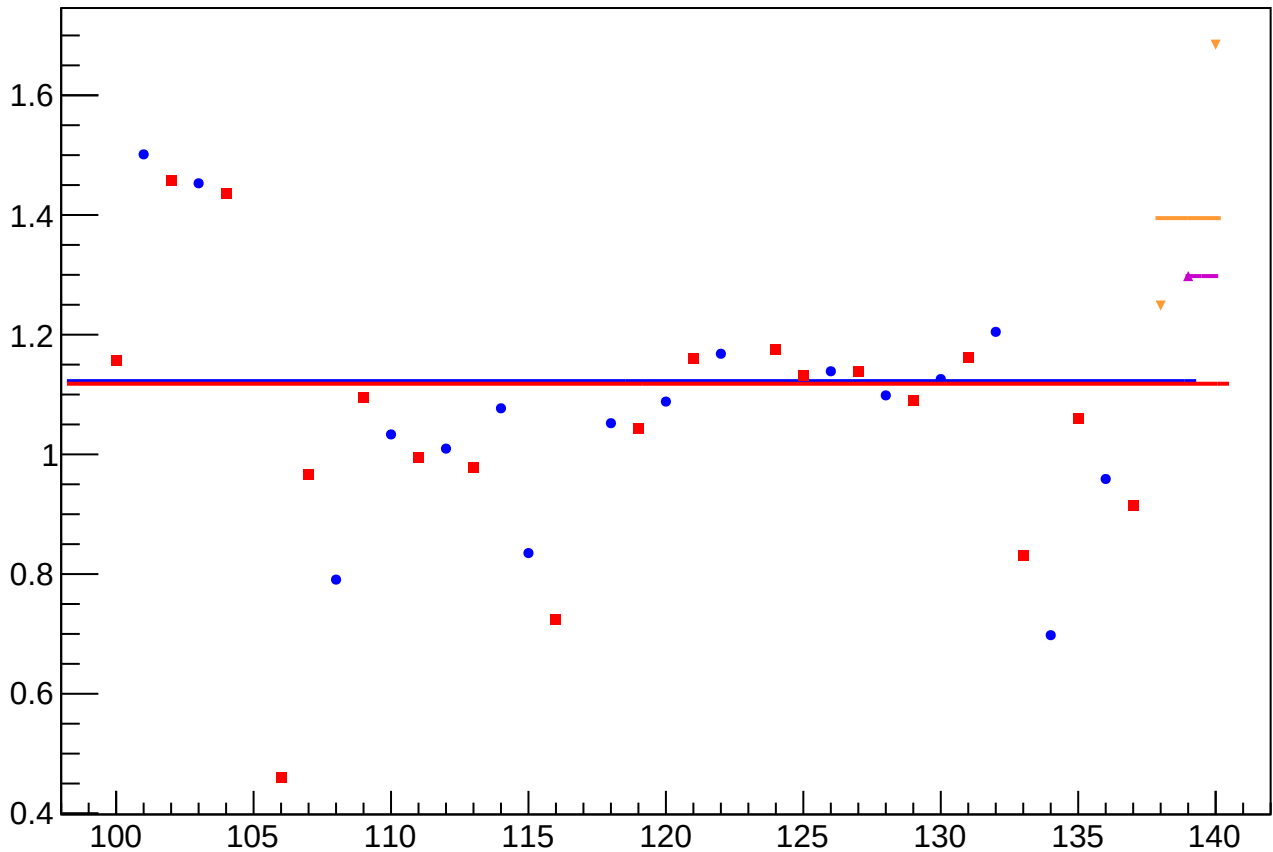
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 49082.5/17

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 99164.2/37

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 49361.7/19

yield_bpm0r05Y_mean vs Slug



Right In: 1.122 $\pm$ 0.000 χ^2 /NDF: 1454303379.1/15

Left Out: 1.395 $\pm$ 0.000 χ^2 /NDF: 804460910.0/1

Right Out: 1.118 $\pm$ 0.000 χ^2 /NDF: 1570269350.9/18

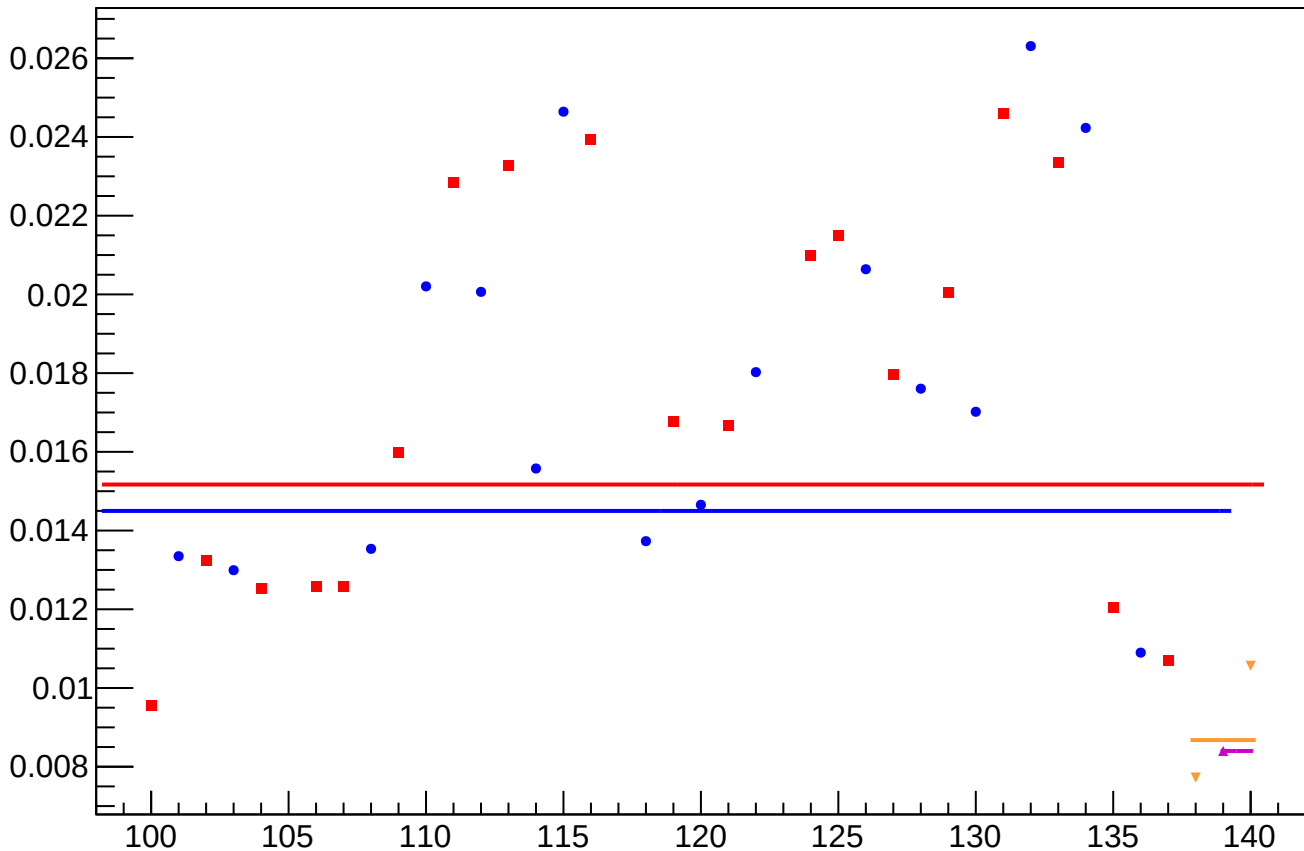
Left In: 1.298 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 1.232 $\pm$ 0.000 χ^2 /NDF: 3103291376.9/17

All: 1.205 $\pm$ 0.000 χ^2 /NDF: 5005938434.6/37

- sign 1.172 $\pm$ 0.000 χ^2 /NDF: 1826758532.0/19

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF : 68255.2/1

Right Out: 0.015+/-0.000 χ^2/NDF : 864637.6/18

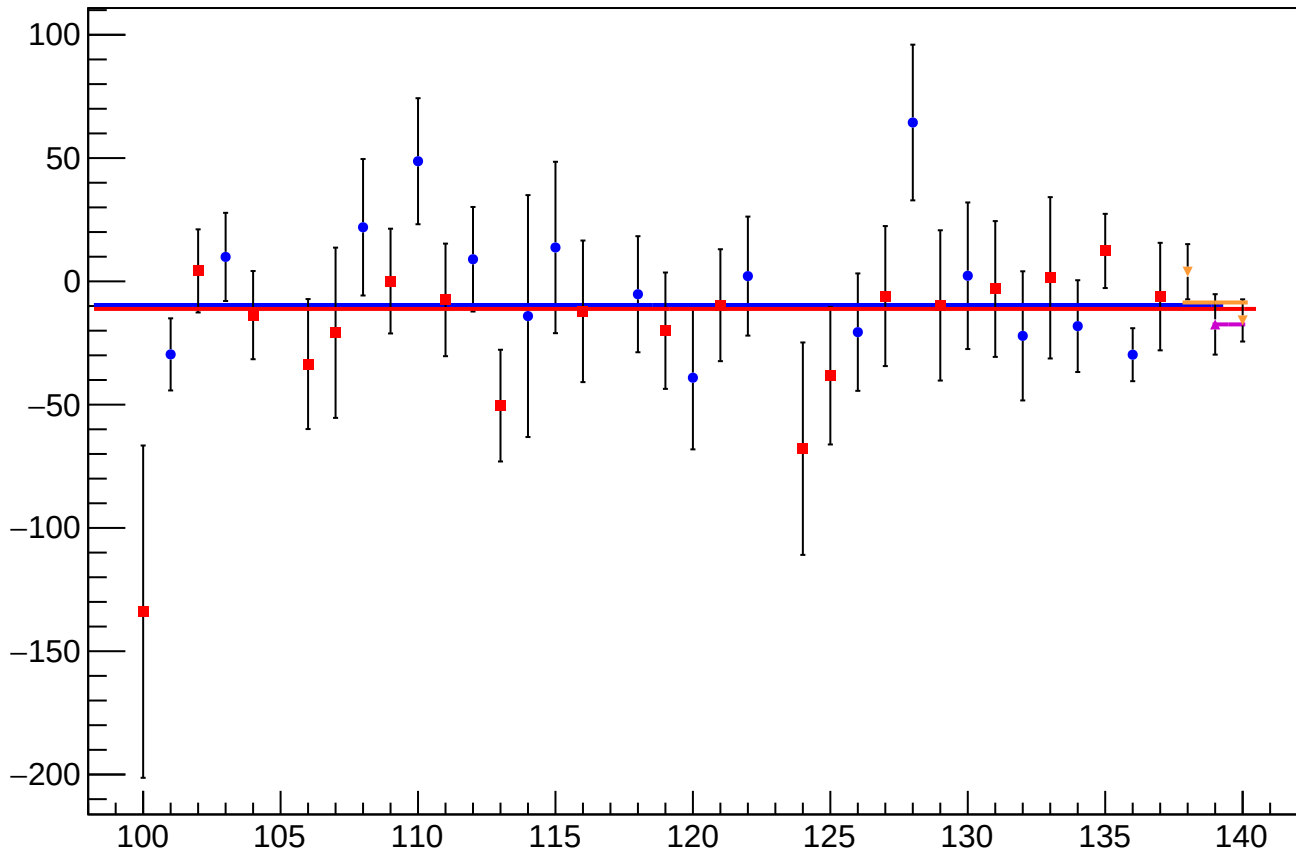
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.000 χ^2/NDF : 1550436.1/17

All: 0.013+/-0.000 χ^2/NDF : 3183039.6/37

- sign 0.013+/-0.000 χ^2/NDF : 1591194.1/19

diff_bpm4aX_mean vs Slug



Right In: -9.581 $\pm$ 5.291 χ^2 /NDF: 21.9/15

Left Out: -8.565 $\pm$ 6.800 χ^2 /NDF: 2.0/1

Right Out: -11.177 $\pm$ 5.497 χ^2 /NDF: 13.9/18

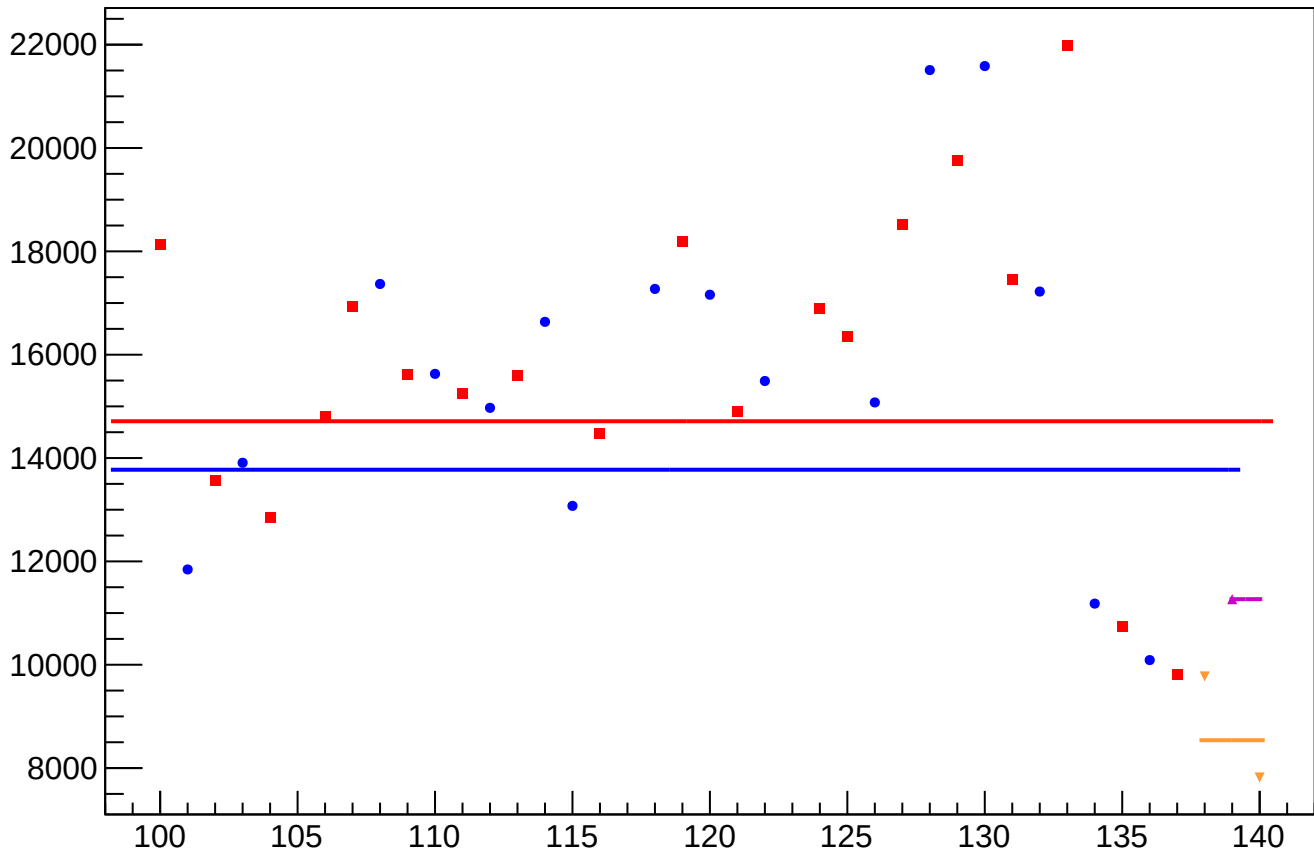
Left In: -17.456 $\pm$ 12.253 χ^2 /NDF: 0.0/0

+ sign -9.198 $\pm$ 4.176 χ^2 /NDF: 23.9/17

All: -10.439 $\pm$ 3.209 χ^2 /NDF: 38.2/37

- sign -12.229 $\pm$ 5.016 χ^2 /NDF: 14.1/19

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF : 747586.2/15

Left Out: 8538.959+/-4.808 χ^2/NDF : 38504.8/1

Right Out: 14712.201+/-3.887 χ^2/NDF : 557305.5/18

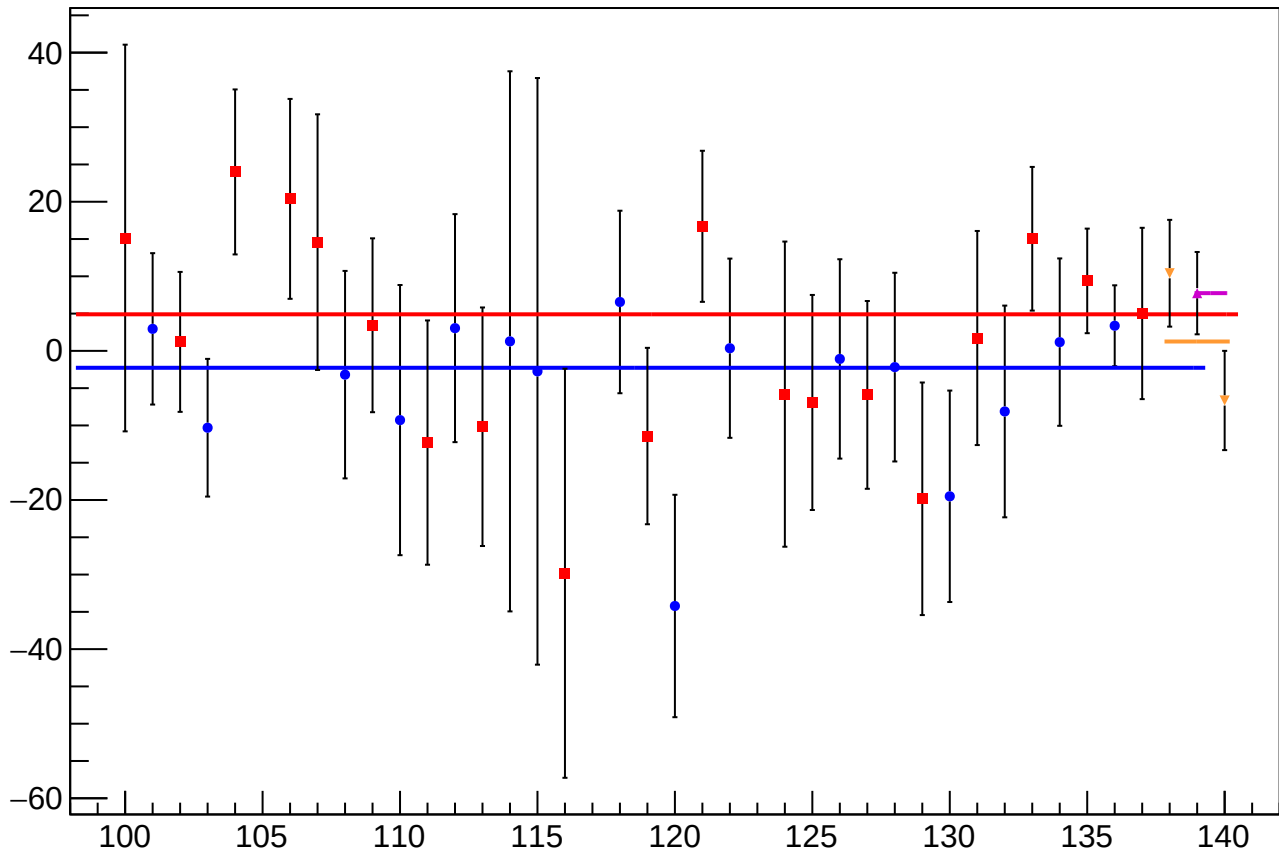
Left In: 11268.951+/-8.664 χ^2/NDF : 0.0/0

+ sign 11799.745+/-2.953 χ^2/NDF : 1524496.6/17

All: 12755.840+/-2.269 χ^2/NDF : 2469419.5/3

- sign 14135.267+/-3.547 χ^2/NDF : 688781.7/19

diff_bpm4aY_mean vs Slug



Right In: -2.267 ± 2.922 χ^2/NDF : 9.3/15

Left Out: 1.257 ± 4.875 χ^2/NDF : 3.0/1

Right Out: 4.904 ± 2.836 χ^2/NDF : 17.6/18

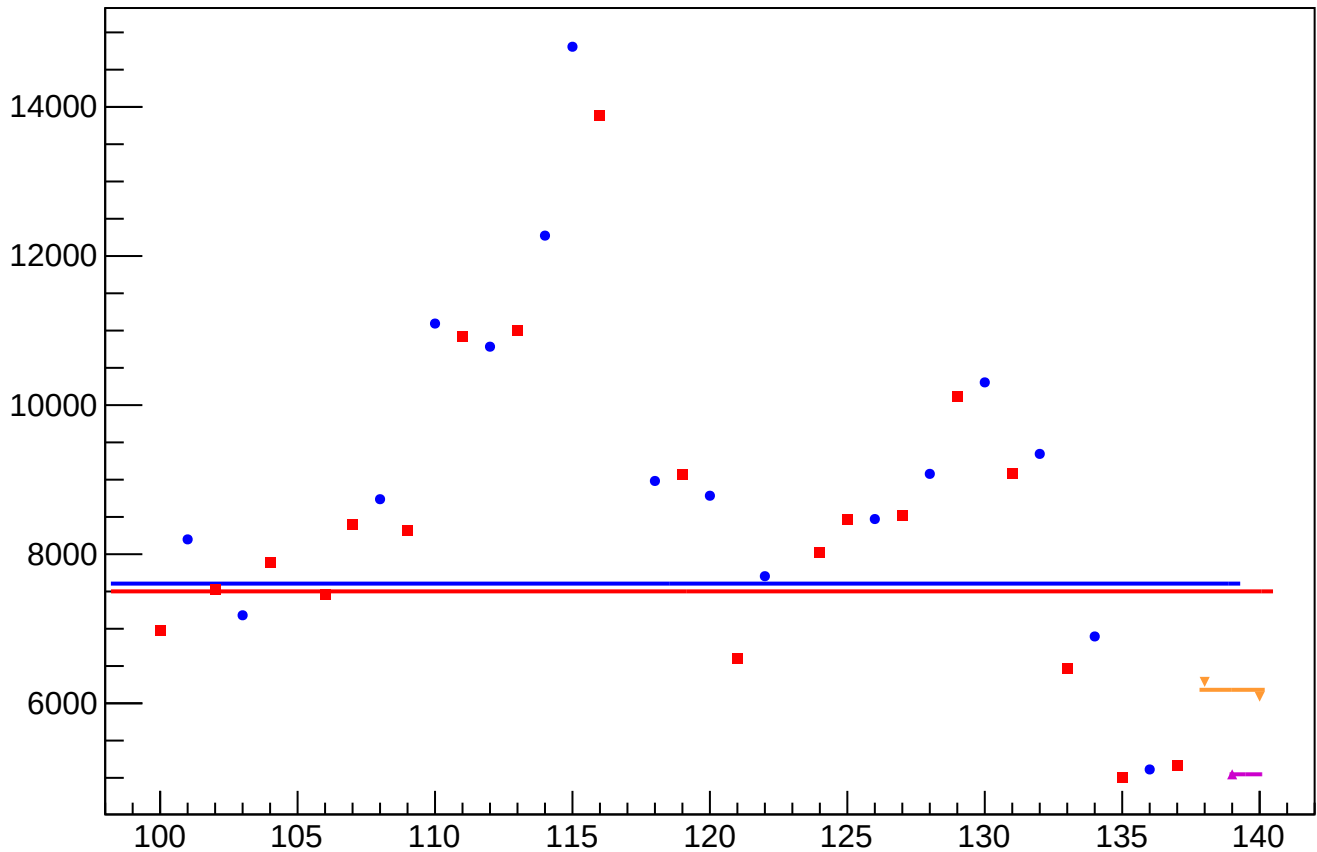
Left In: 7.742 ± 5.521 χ^2/NDF : 0.0/0

+ sign -1.336 ± 2.506 χ^2/NDF : 12.7/17

All: 2.058 ± 1.778 χ^2/NDF : 34.2/37

- sign 5.497 ± 2.523 χ^2/NDF : 17.8/19

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF : 891494.3/15

Left Out: 6181.032+/-3.447 χ^2/NDF : 816.4/1

Right Out: 7501.522+/-2.005 χ^2/NDF : 823557.5/18

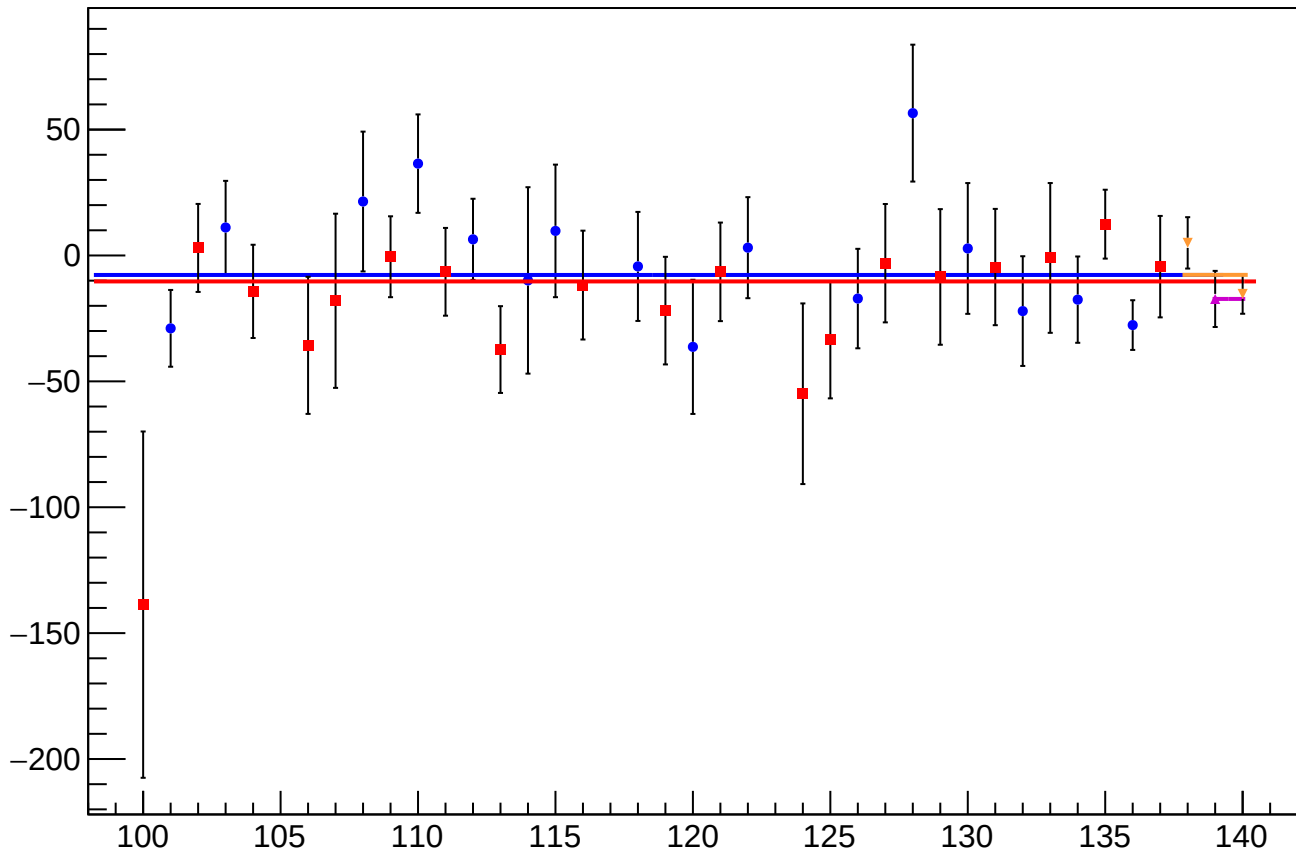
Left In: 5047.534+/-3.904 χ^2/NDF : 0.0/0

+ sign 7229.091+/-1.772 χ^2/NDF : 1017989.3/17

All: 7109.954+/-1.257 χ^2/NDF : 2163259.0/37

- sign 6989.253+/-1.784 χ^2/NDF : 1136171.6/19

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2 /NDF: 22.7/15

Left Out: -7.704+/-6.235 χ^2 /NDF: 2.5/1

Right Out: -10.307+/-4.840 χ^2 /NDF: 13.9/18

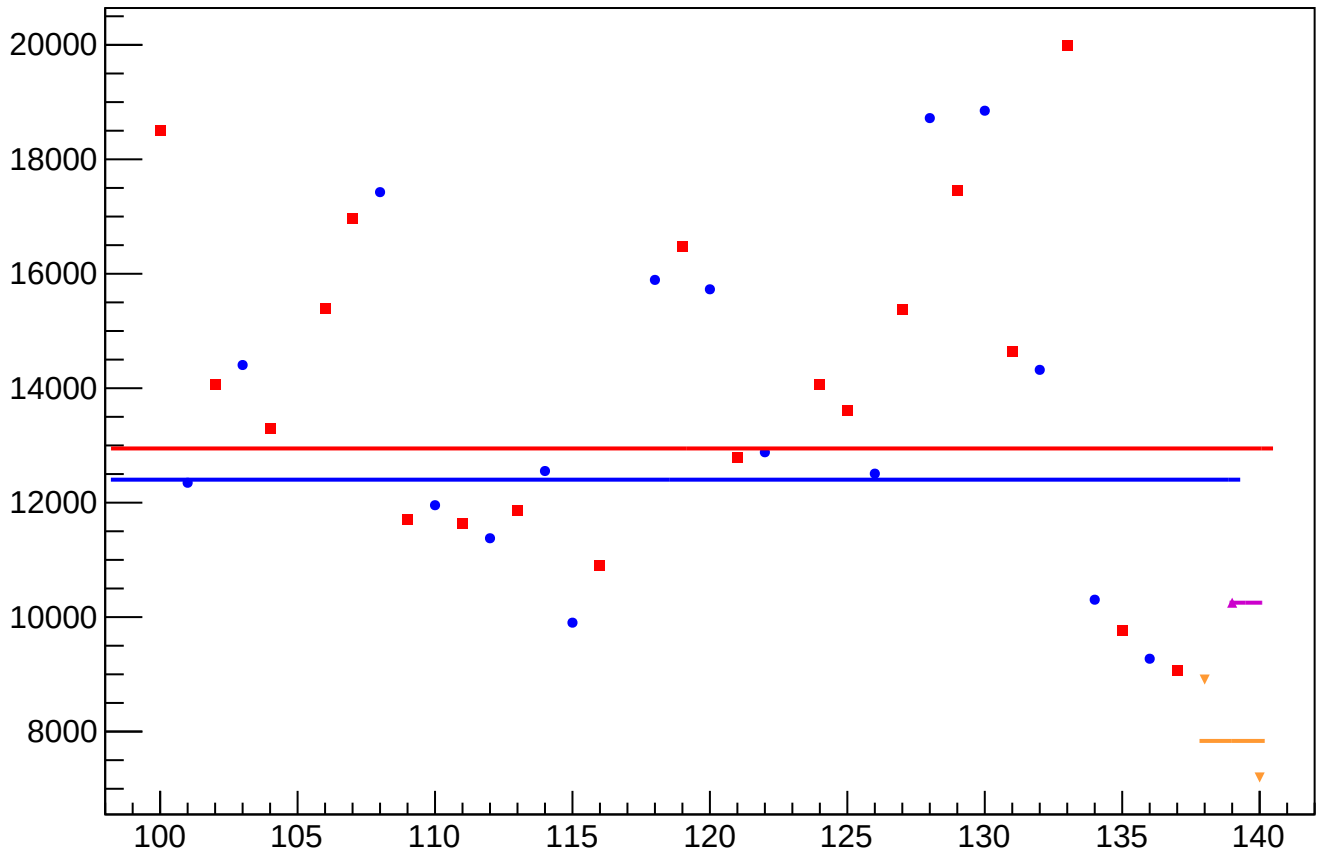
Left In: -17.265+/-11.147 χ^2 /NDF: 0.0/0

+ sign -7.727+/-3.778 χ^2 /NDF: 25.2/17

All: -9.274+/-2.877 χ^2 /NDF: 39.8/37

- sign -11.411+/-4.439 χ^2 /NDF: 14.2/19

diff_bpm4eX_rms vs Slug



Right In: 12401.769 $\pm$ 3.357 χ^2 /NDF: 678310.8/15

Left Out: 7836.254 $\pm$ 4.409 χ^2 /NDF:35236.3/1

Right Out: 12947.255 $\pm$ 3.422 χ^2 /NDF: 555198.3/18

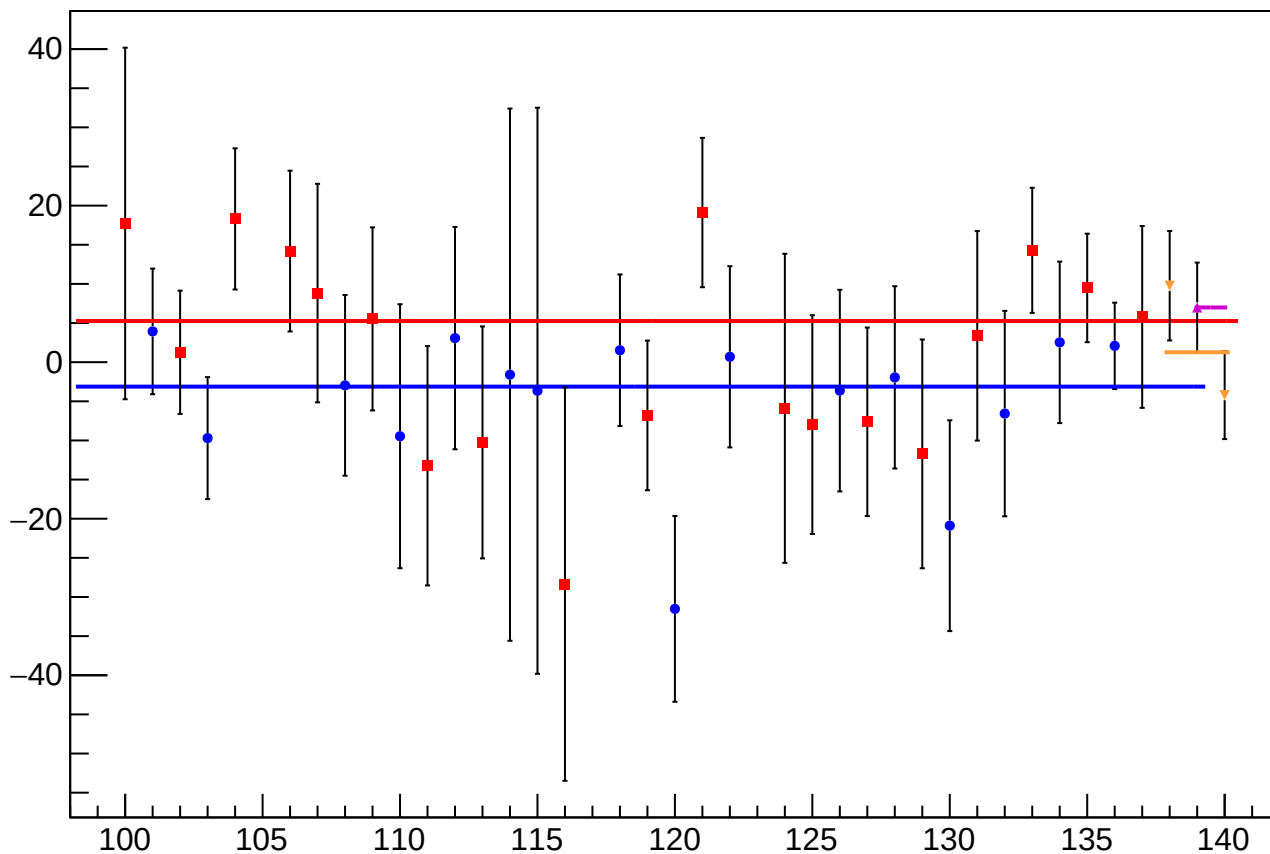
Left In: 10251.922 $\pm$ 7.882 χ^2 /NDF:0.0/0

+ sign 10726.063 $\pm$ 2.671 χ^2 /NDF: 1392229.2/17

All: 11479.386 $\pm$ 2.034 χ^2 /NDF: 2235191.8/3

- sign 12519.760 $\pm$ 3.139 χ^2 /NDF: 653584.6/19

diff_bpm4eY_mean vs Slug



Right In: -3.123 ± 2.656 $\chi^2/\text{NDF}: 10.9/15$

Left Out: 1.267 ± 4.376 $\chi^2/\text{NDF}: 2.4/1$

Right Out: 5.265 ± 2.553 $\chi^2/\text{NDF}: 16.9/18$

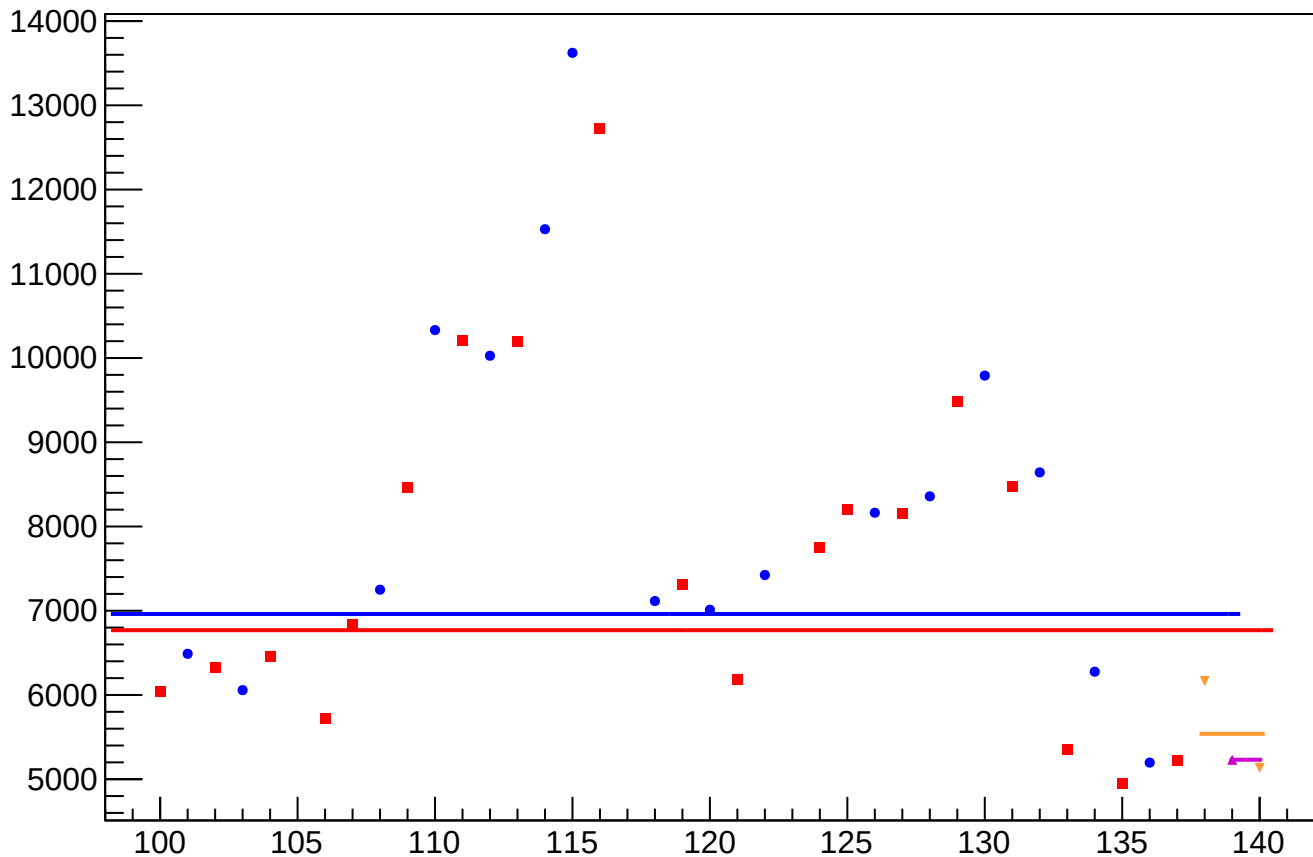
Left In: 6.989 ± 5.733 $\chi^2/\text{NDF}: 0.0/0$

+ sign -1.941 ± 2.270 $\chi^2/\text{NDF}: 14.1/17$

All: 1.704 ± 1.627 $\chi^2/\text{NDF}: 36.3/37$

- sign 5.550 ± 2.332 $\chi^2/\text{NDF}: 17.0/19$

diff_bpm4eY_rms vs Slug



Right In: 6961.606 $\pm$ 1.878 χ^2 /NDF: 696410.4/15

Left Out: 5538.323 $\pm$ 3.094 χ^2 /NDF: 26419.7/1

Right Out: 6768.993 $\pm$ 1.805 χ^2 /NDF: 798105.0/18

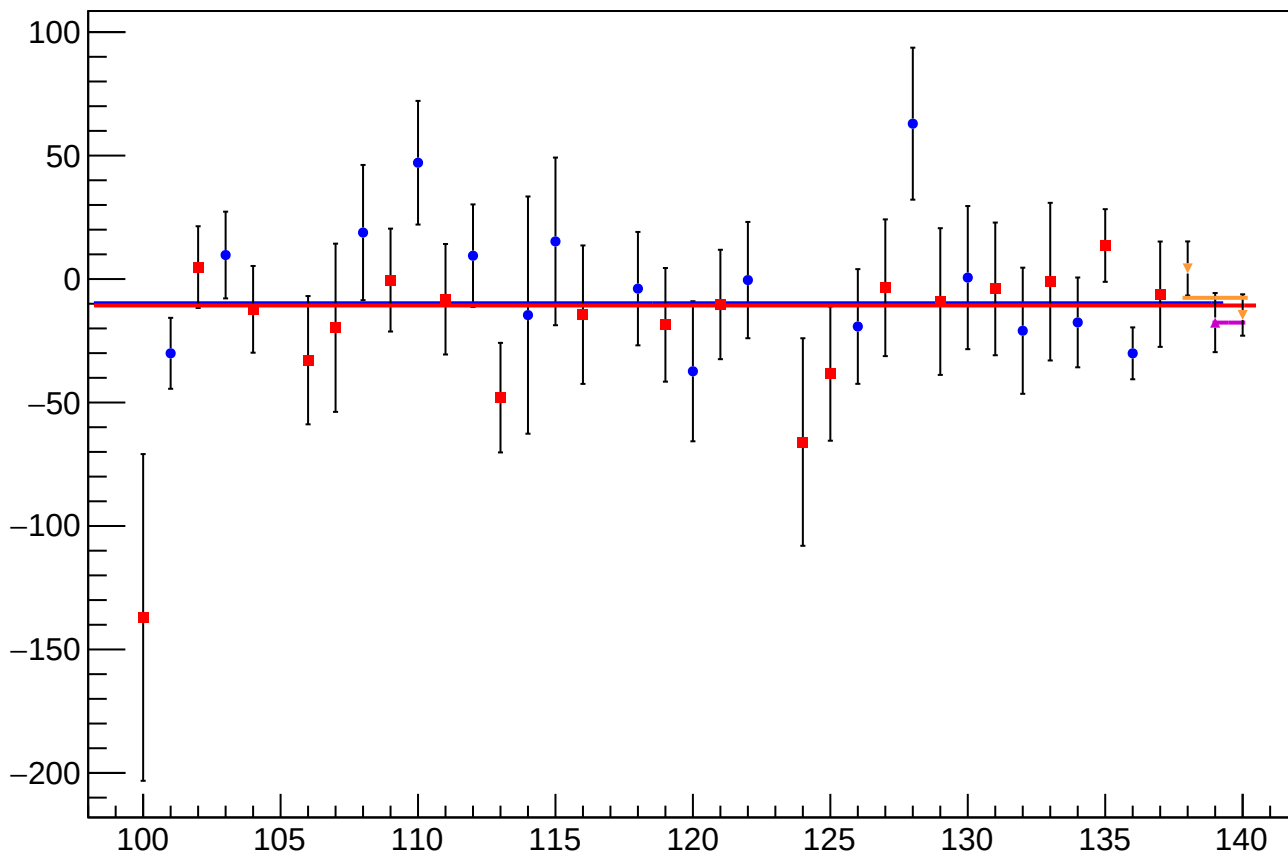
Left In: 5231.204 $\pm$ 4.054 χ^2 /NDF: 0.0/0

+ sign 6578.473 $\pm$ 1.605 χ^2 /NDF: 877470.7/17

All: 6547.364 $\pm$ 1.150 χ^2 /NDF: 1796416.0/37

- sign 6514.532 $\pm$ 1.649 χ^2 /NDF: 918173.5/19

diff_bpm4acX_mean vs Slug



Right In: -9.810 $\pm$ 5.178 χ^2 /NDF: 22.0/15

Left Out: -7.604 $\pm$ 6.654 χ^2 /NDF:1.9/1

Right Out: -10.703 $\pm$ 5.381 χ^2 /NDF: 14.3/18

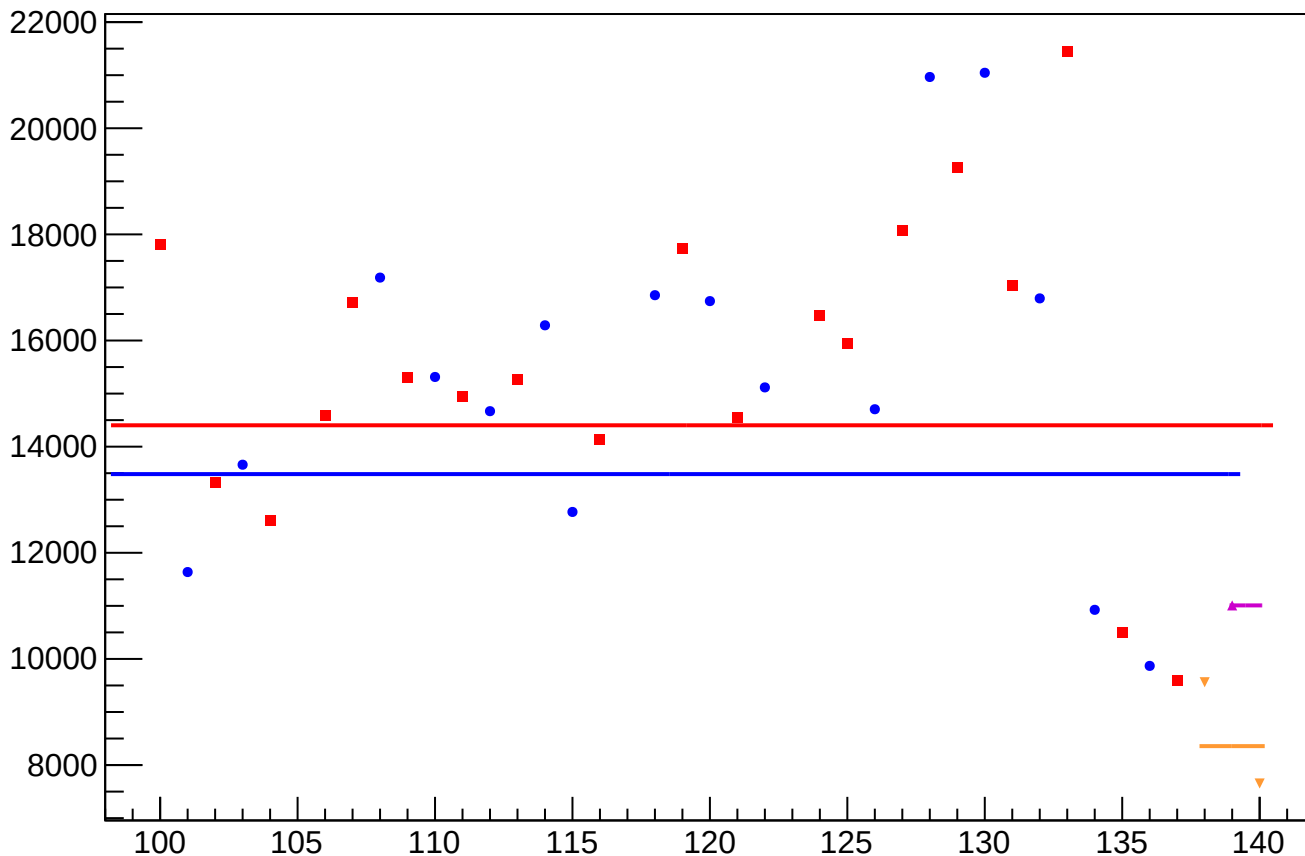
Left In: -17.635 $\pm$ 11.970 χ^2 /NDF:0.0/0

+ sign -8.978 $\pm$ 4.086 χ^2 /NDF: 24.0/17

All: -10.161 $\pm$ 3.140 χ^2 /NDF: 38.8/37

- sign -11.868 $\pm$ 4.908 χ^2 /NDF: 14.6/19

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF : 743704.4/15

Left Out: 8356.955+/-4.705 χ^2/NDF : 38281.1/1

Right Out: 14402.670+/-3.805 χ^2/NDF : 552430.0/18

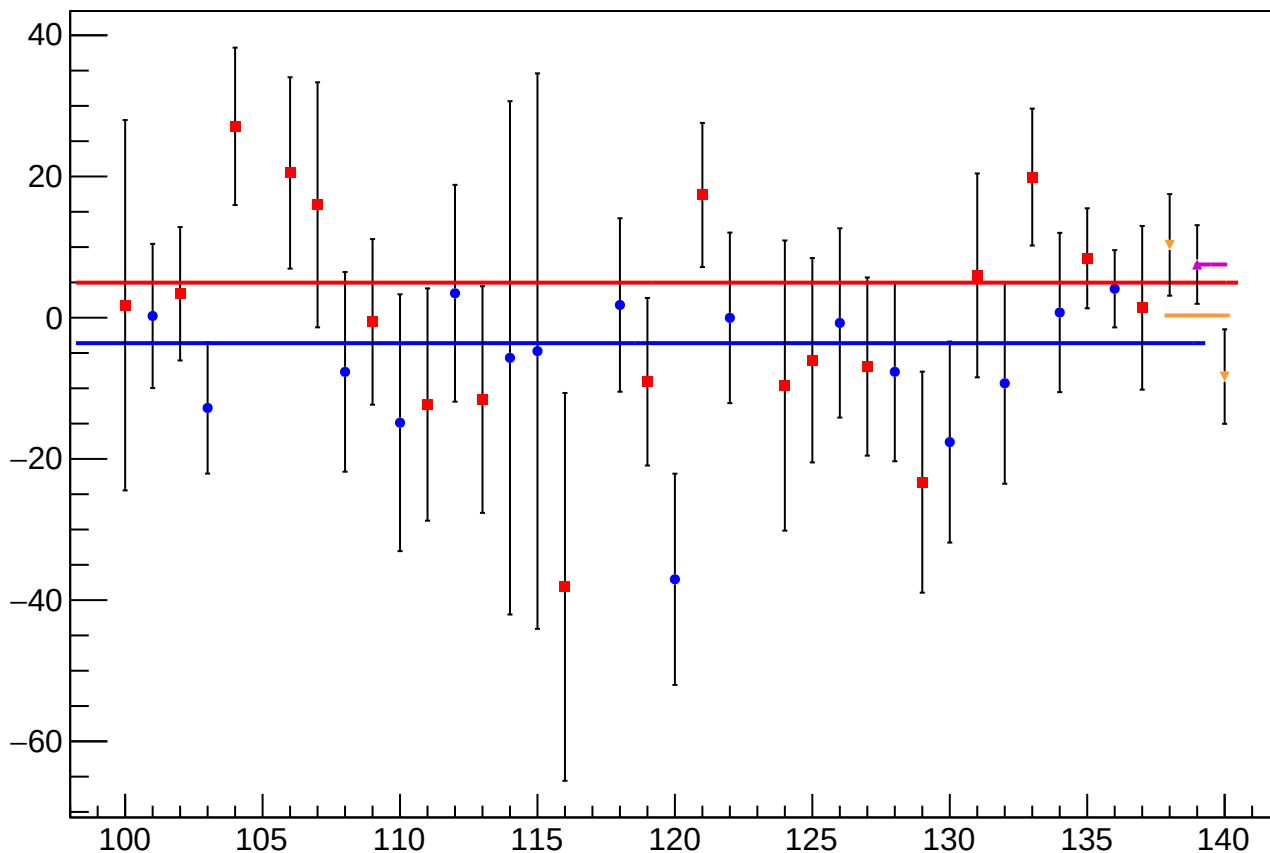
Left In: 11008.588+/-8.464 χ^2/NDF : 0.0/0

+ sign 11549.448+/-2.890 χ^2/NDF : 1521244.7/17

All: 12484.114+/-2.221 χ^2/NDF : 2462979.8/3

- sign 13832.133+/-3.470 χ^2/NDF : 686205.8/19

diff_bpm4acY_mean vs Slug



Right In: -3.605 ± 2.940 χ^2/NDF : 10.5/15

Left Out: 0.314 ± 4.901 χ^2/NDF : 3.6/1

Right Out: 4.965 ± 2.855 χ^2/NDF : 21.4/18

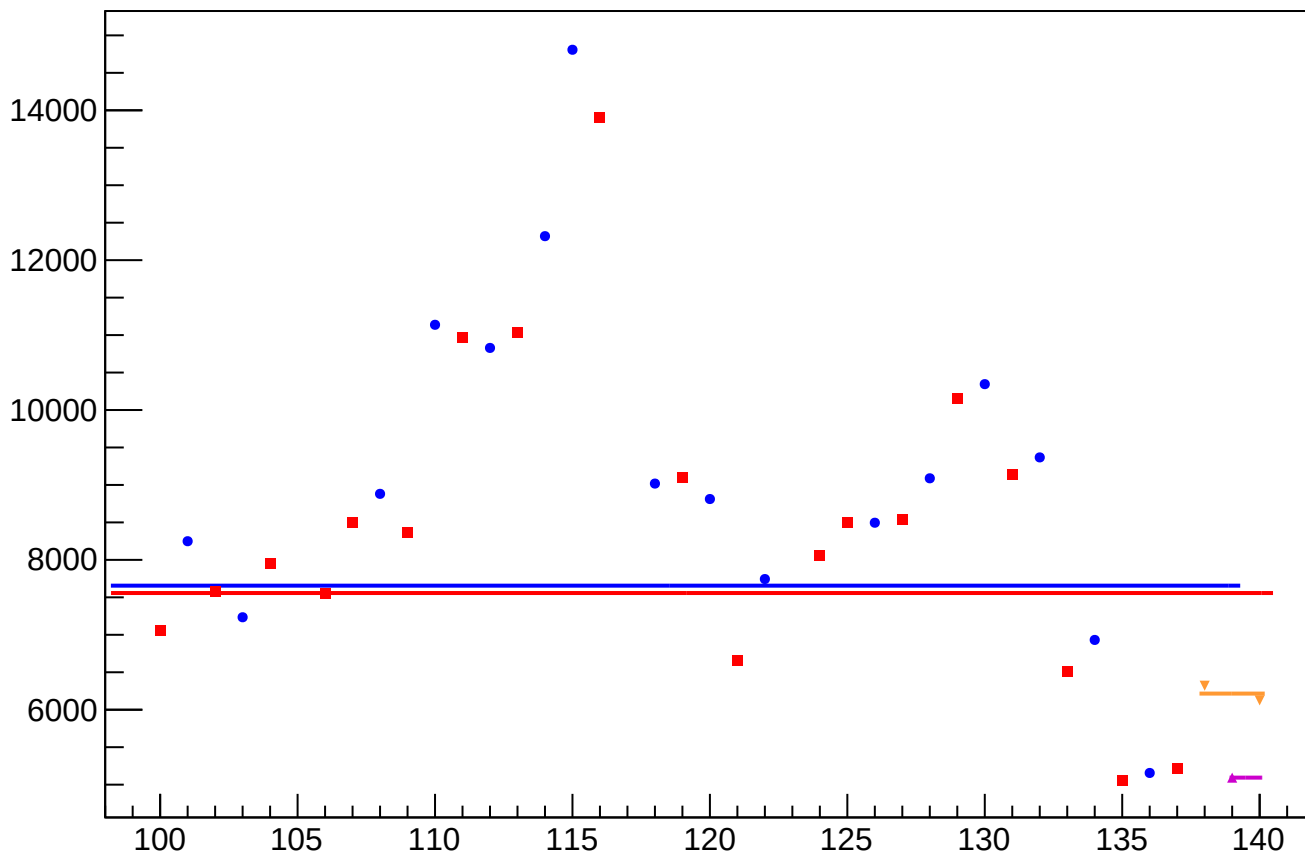
Left In: 7.535 ± 5.570 χ^2/NDF : 0.0/0

+ sign -2.568 ± 2.521 χ^2/NDF : 14.6/17

All: 1.434 ± 1.790 χ^2/NDF : 41.2/37

- sign 5.500 ± 2.541 χ^2/NDF : 21.5/19

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF : 879769.7/15

Left Out: 6215.400+/-3.466 χ^2/NDF : 791.6/1

Right Out: 7557.497+/-2.019 χ^2/NDF : 809860.3/18

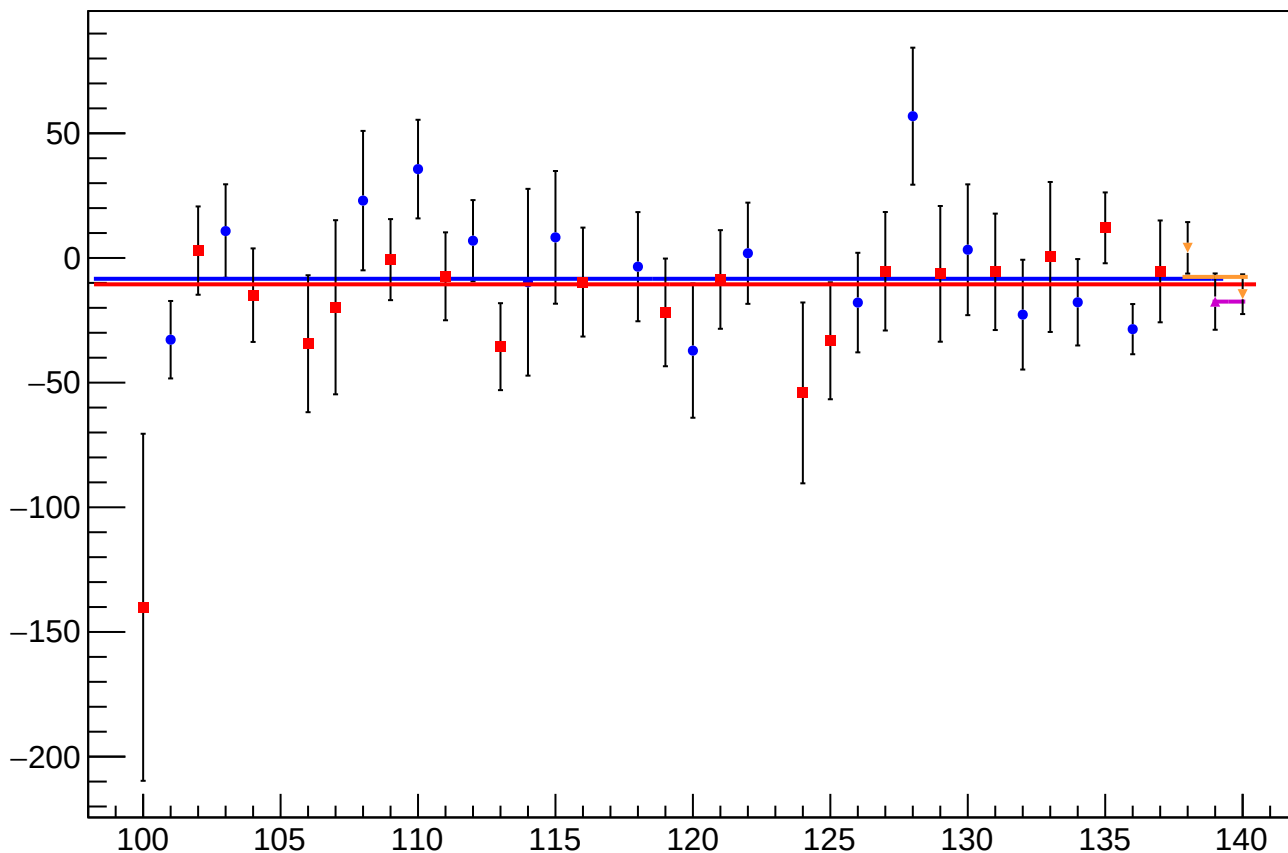
Left In: 5093.752+/-3.939 χ^2/NDF : 0.0/0

+ sign 7274.689+/-1.783 χ^2/NDF : 1007606.9/17

All: 7160.649+/-1.266 χ^2/NDF : 2135559.0/37

- sign 7044.804+/-1.797 χ^2/NDF : 1119703.1/19

diff_bpm4ecX_mean vs Slug



Right In: -8.352 ± 4.814 χ^2/NDF : 23.2/15

Left Out: -7.591 ± 6.308 χ^2/NDF : 2.0/1

Right Out: -10.573 ± 4.911 χ^2/NDF : 12.9/18

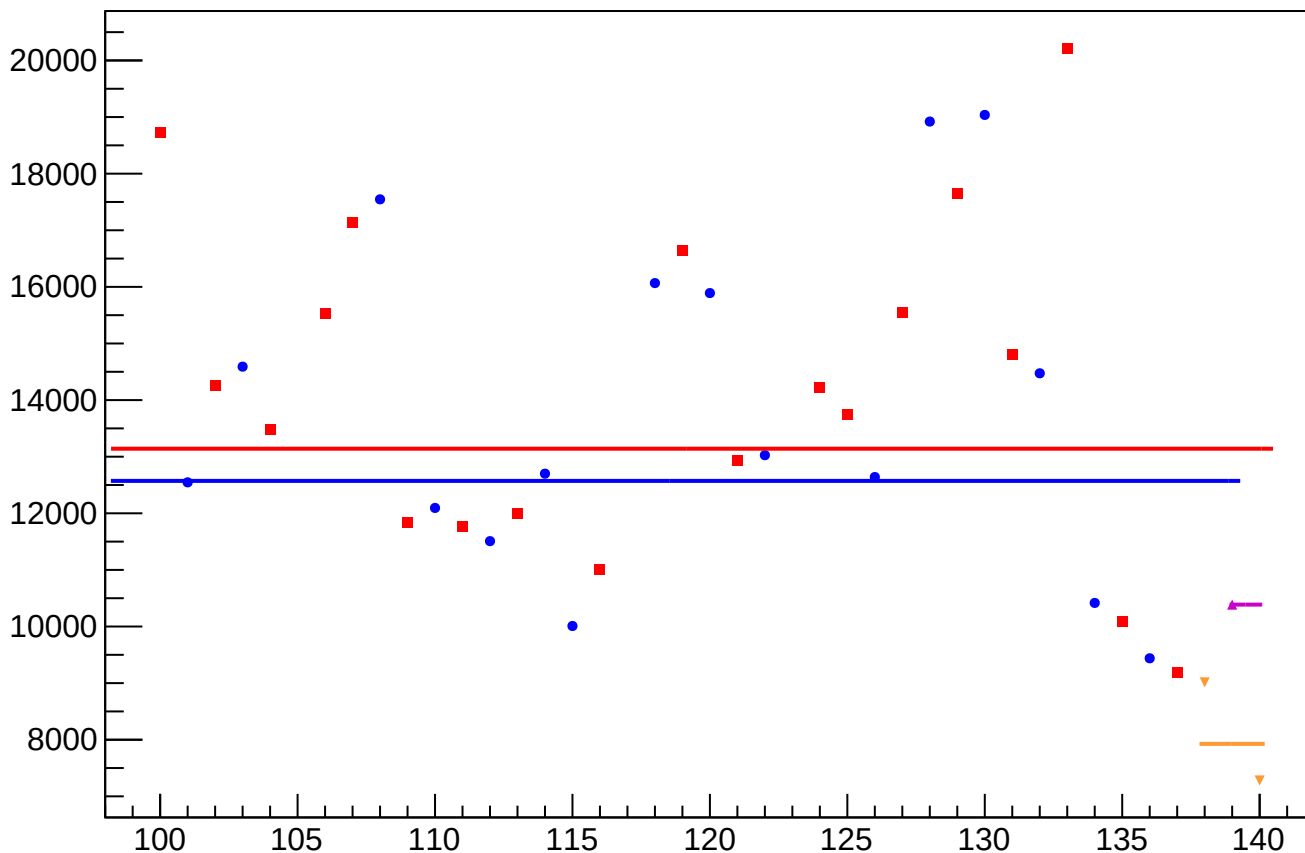
Left In: -17.502 ± 11.294 χ^2/NDF : 0.0/0

+ sign -8.072 ± 3.827 χ^2/NDF : 25.3/17

All: -9.582 ± 2.916 χ^2/NDF : 38.9/37

- sign -11.675 ± 4.504 χ^2/NDF : 13.2/19

diff_bpm4ecX_rms vs Slug



Right In: 12572.586 $\pm$ 3.404 χ^2 /NDF: 665026.8/15

Left Out: 7926.993 $\pm$ 4.460 χ^2 /NDF:35310.5/1

Right Out: 13141.218 $\pm$ 3.473 χ^2 /NDF: 534726.5/18

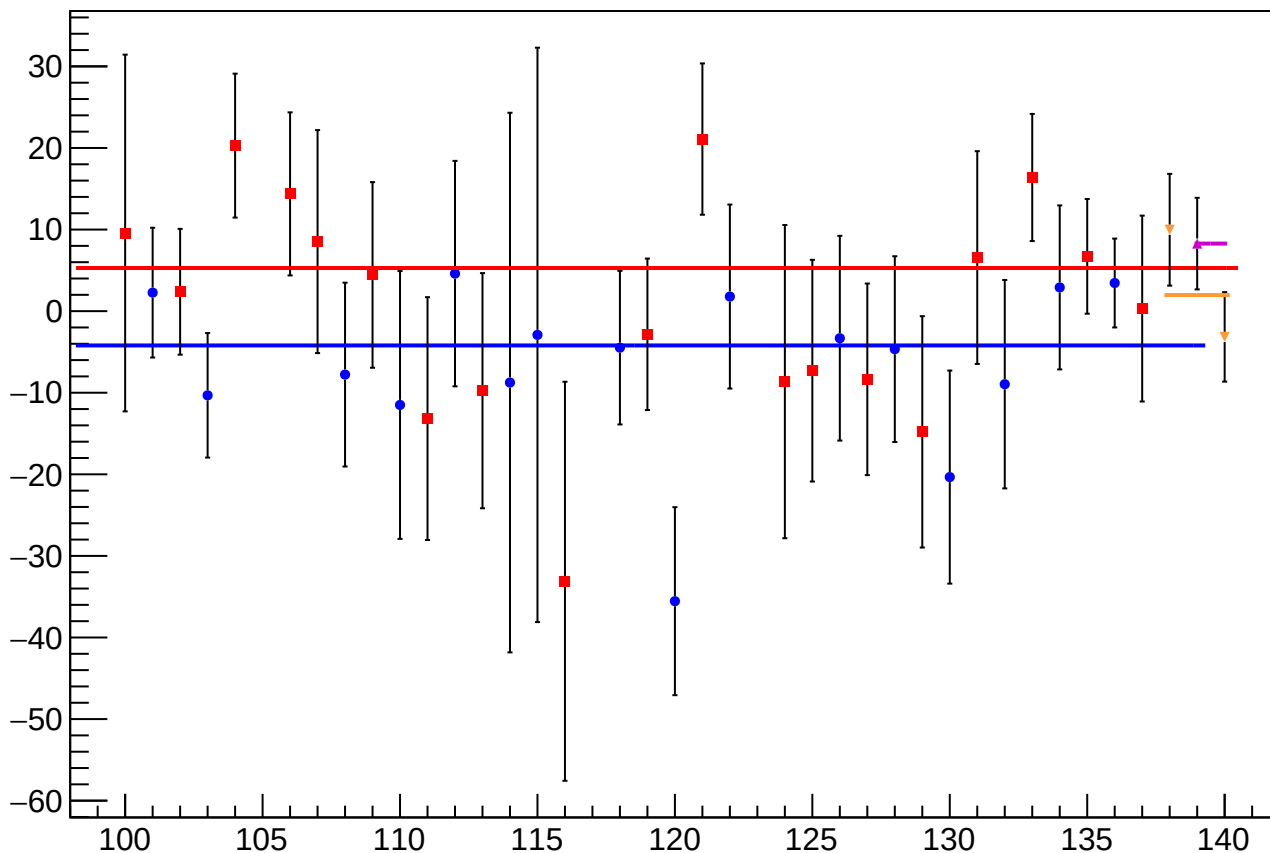
Left In: 10387.009 $\pm$ 7.986 χ^2 /NDF:0.0/0

+ sign 10862.869 $\pm$ 2.706 χ^2 /NDF: 1385871.5/17

All: 11634.528 $\pm$ 2.062 χ^2 /NDF: 2214584.5/3

- sign 12703.274 $\pm$ 3.184 χ^2 /NDF: 634755.7/19

diff_bpm4ecY_mean vs Slug



Right In: -4.204 ± 2.600 χ^2/NDF : 13.9/15

Left Out: 1.973 ± 4.280 χ^2/NDF : 2.2/1

Right Out: 5.288 ± 2.502 χ^2/NDF : 19.7/18

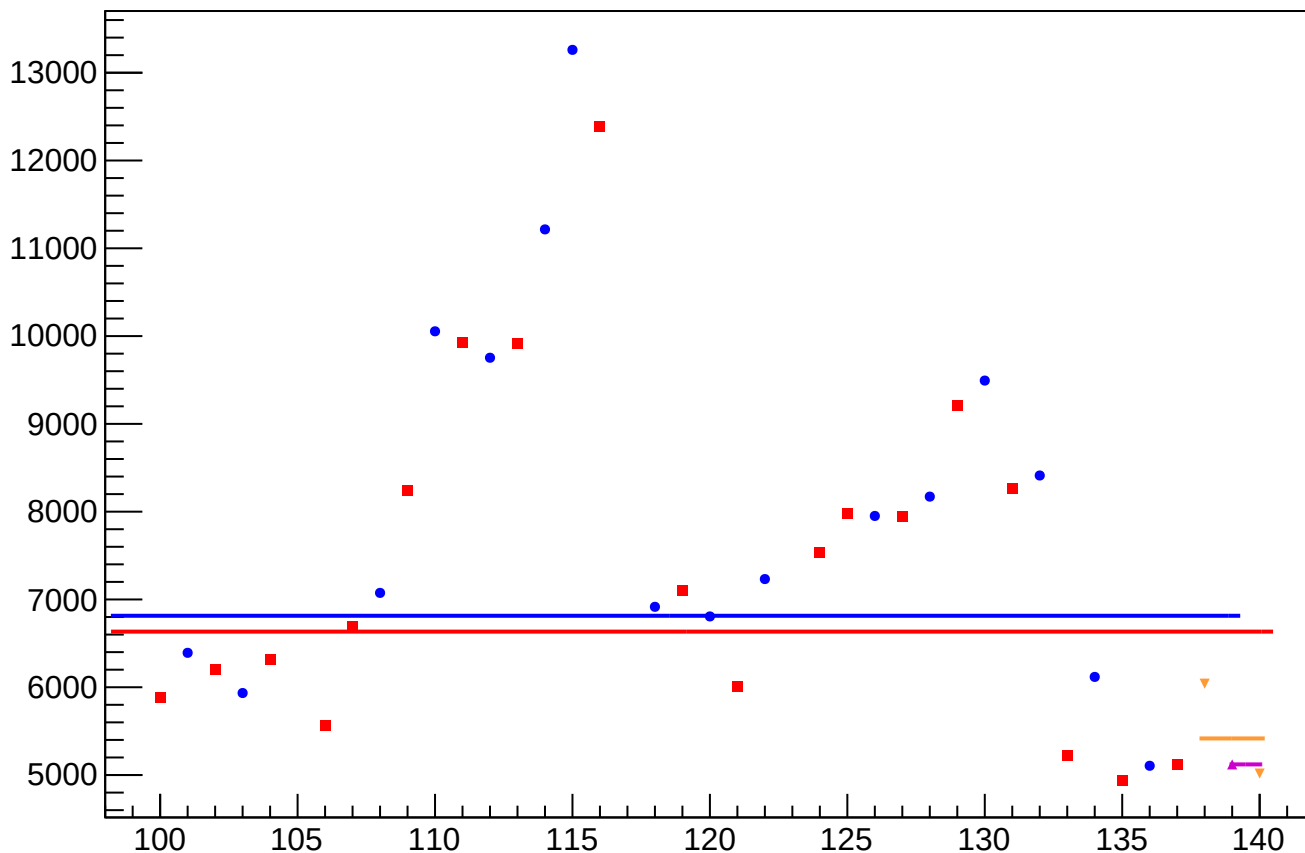
Left In: 8.279 ± 5.614 χ^2/NDF : 0.0/0

+ sign -2.539 ± 2.222 χ^2/NDF : 17.6/17

All: 1.506 ± 1.593 χ^2/NDF : 44.4/37

- sign 5.783 ± 2.285 χ^2/NDF : 20.0/19

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF : 674093.4/15

Left Out: 5416.856+/-3.027 χ^2/NDF : 27238.2/1

Right Out: 6633.695+/-1.769 χ^2/NDF : 763347.6/18

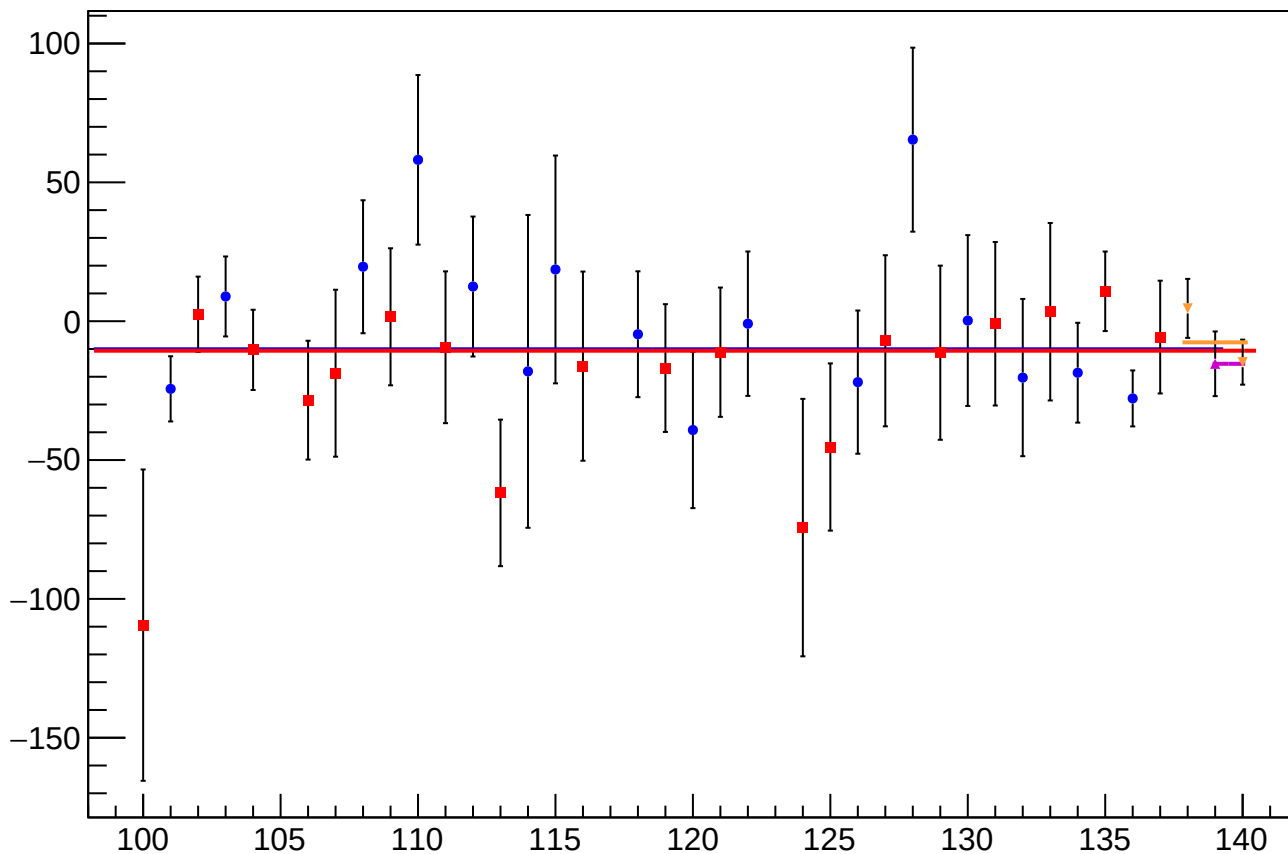
Left In: 5121.125+/-3.969 χ^2/NDF : 0.0/0

+ sign 6437.558+/-1.571 χ^2/NDF : 857042.4/17

All: 6411.046+/-1.127 χ^2/NDF : 1742116.9/37

- sign 6383.012+/-1.616 χ^2/NDF : 884488.9/19

diff_bpm1X_mean vs Slug



Right In: -10.113 ± 5.017 χ^2/NDF : 21.3/15

Left Out: -7.617 ± 6.445 χ^2/NDF : 2.1/1

Right Out: -10.624 ± 5.277 χ^2/NDF : 14.7/18

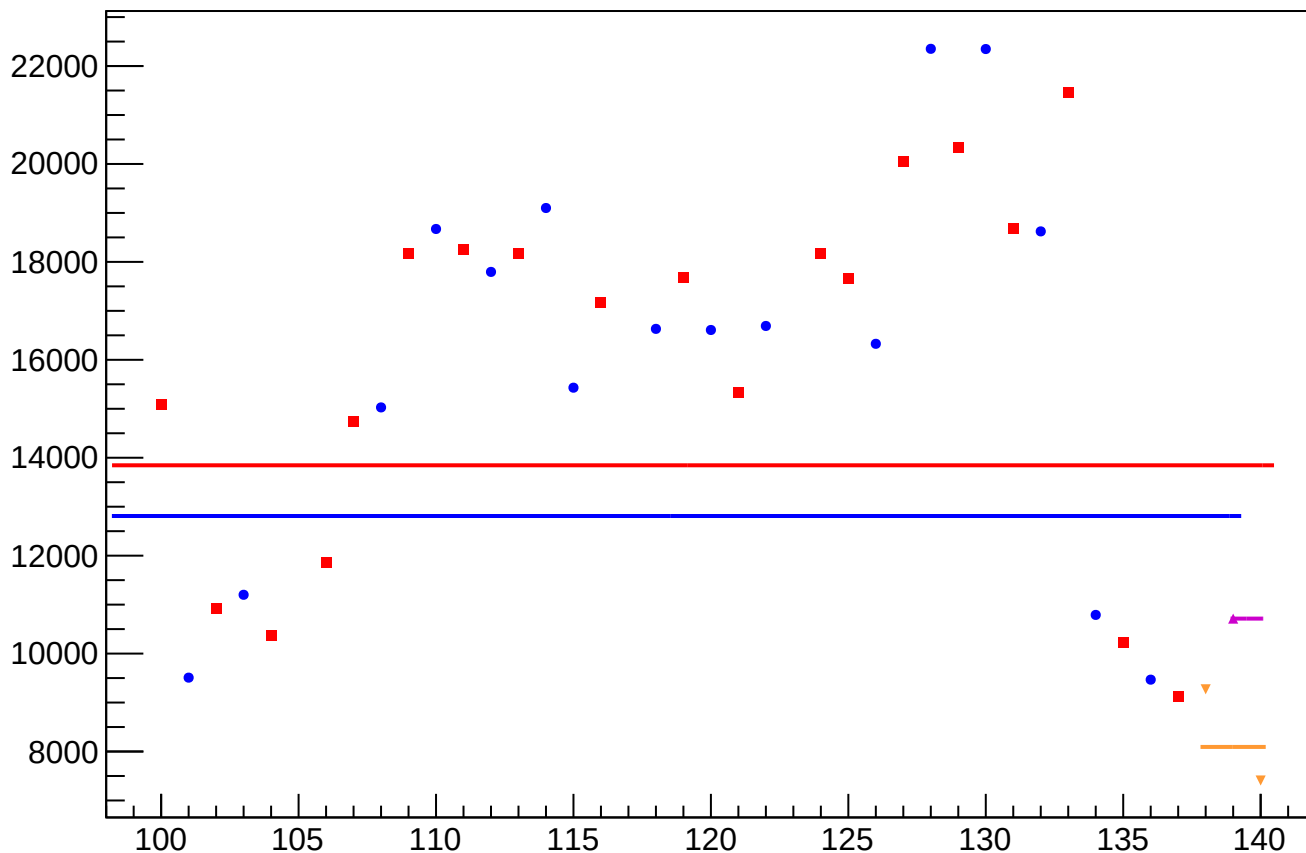
Left In: -15.338 ± 11.650 χ^2/NDF : 0.0/0

+ sign -9.171 ± 3.959 χ^2/NDF : 23.5/17

All: -10.083 ± 3.056 χ^2/NDF : 38.5/37

- sign -11.426 ± 4.807 χ^2/NDF : 14.9/19

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF : 1248252.1/15

Left Out: 8093.475+/-4.558 χ^2/NDF : 38867.7/1

Right Out: 13845.622+/-3.731 χ^2/NDF : 1096555.2/18

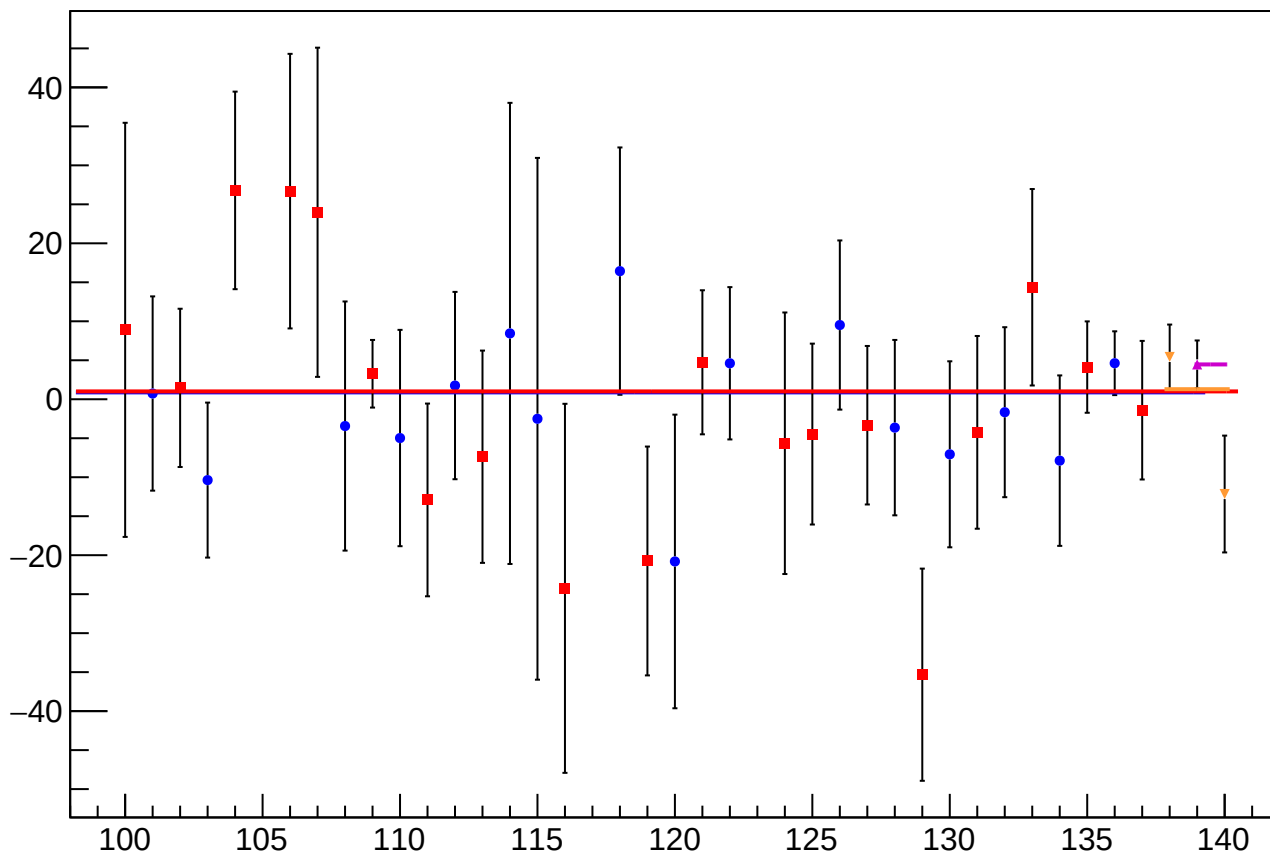
Left In: 10714.444+/-8.238 χ^2/NDF : 0.0/0

+ sign 11030.387+/-2.800 χ^2/NDF : 1953985.1/17

All: 11952.890+/-2.161 χ^2/NDF : 3439054.4/3

- sign 13312.601+/-3.399 χ^2/NDF : 1216439.2/19

diff_bpm1Y_mean vs Slug



Right In: 0.882 ± 2.566 $\chi^2/\text{NDF}: 6.8/15$

Left Out: 1.290 ± 3.633 $\chi^2/\text{NDF}: 4.2/1$

Right Out: 1.006 ± 2.314 $\chi^2/\text{NDF}: 22.3/18$

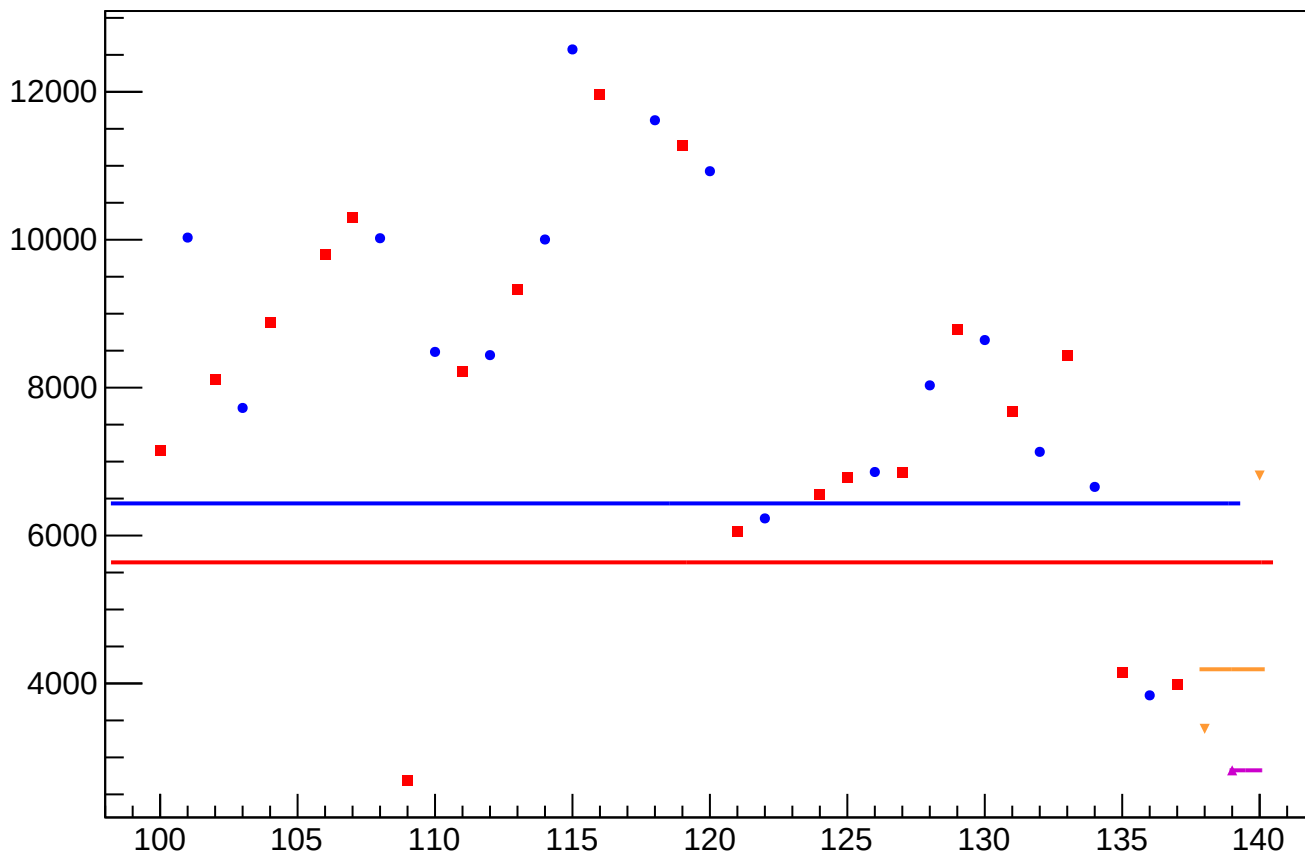
Left In: 4.467 ± 3.073 $\chi^2/\text{NDF}: 0.0/0$

+ sign 1.018 ± 2.096 $\chi^2/\text{NDF}: 11.0/17$

All: 1.716 ± 1.386 $\chi^2/\text{NDF}: 34.4/37$

- sign 2.258 ± 1.848 $\chi^2/\text{NDF}: 23.1/19$

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF : 1750609.4/15

Left Out: 4191.699+/-2.569 χ^2/NDF : 319702.5/1

Right Out: 5637.344+/-1.636 χ^2/NDF : 2580013.6/18

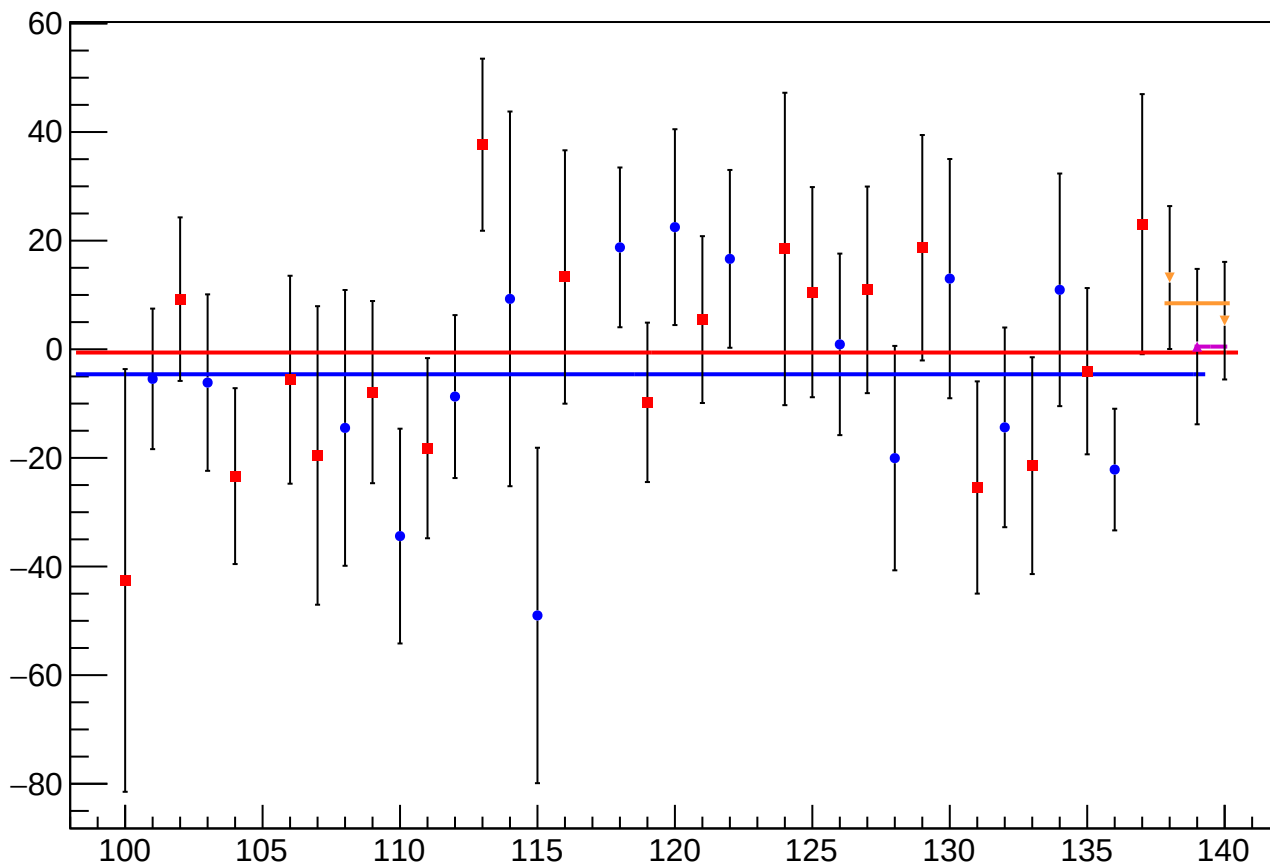
Left In: 2825.352+/-2.173 χ^2/NDF : 0.0/0

+ sign 5688.180+/-1.482 χ^2/NDF : 2578768.3/17

All: 5087.099+/-0.980 χ^2/NDF : 6520107.9/37

- sign 4619.688+/-1.307 χ^2/NDF : 3648973.4/19

diff_bpm11X_mean vs Slug



Right In: -4.602 ± 4.355 χ^2/NDF : 15.8/15

Left Out: 8.470 ± 8.360 χ^2/NDF : 0.2/1

Right Out: -0.600 ± 4.266 χ^2/NDF : 17.9/18

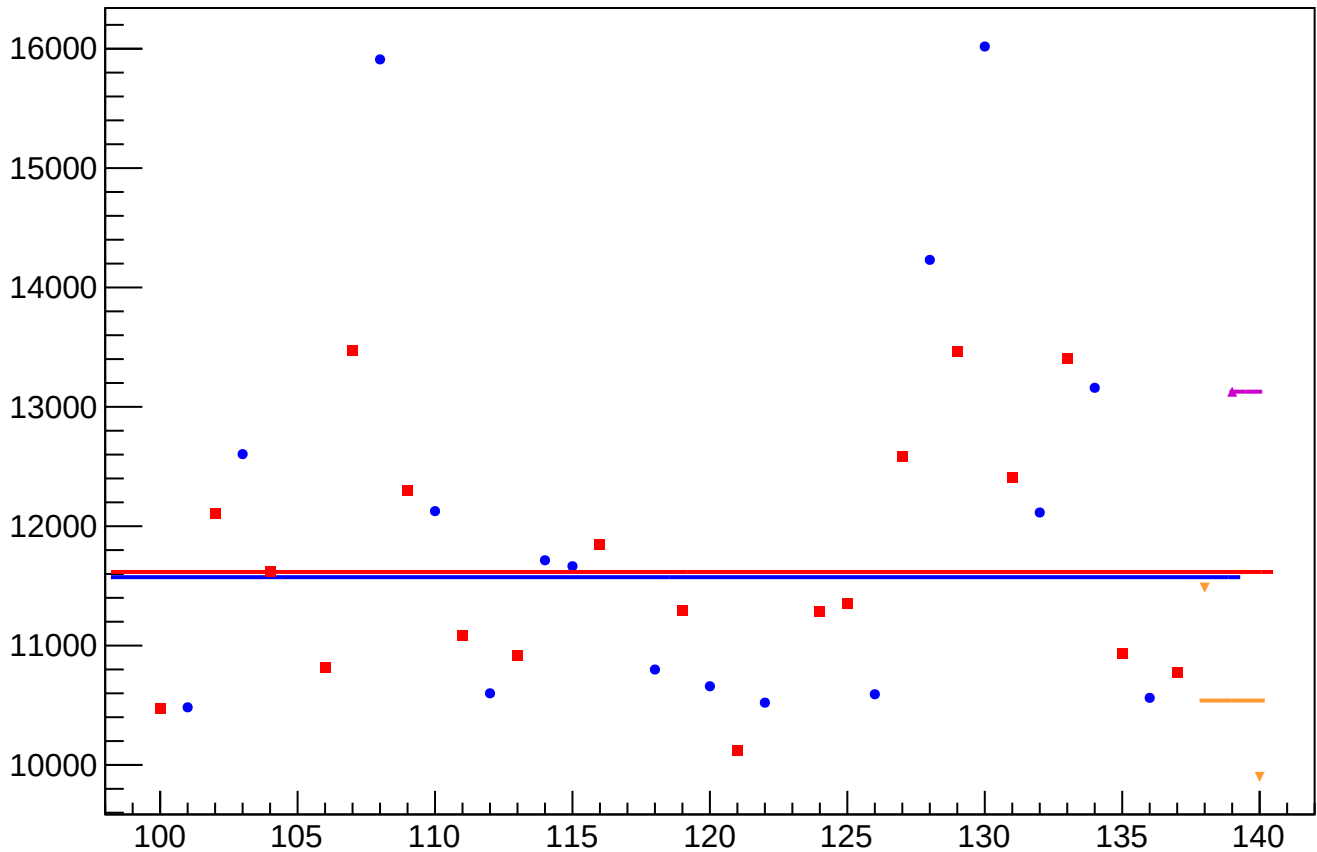
Left In: 0.492 ± 14.306 χ^2/NDF : 0.0/0

+ sign -1.812 ± 3.862 χ^2/NDF : 17.9/17

All: -1.198 ± 2.808 χ^2/NDF : 35.9/37

- sign -0.511 ± 4.089 χ^2/NDF : 17.9/19

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF : 260067.0/15

Left Out: 10539.751+/-5.911 χ^2/NDF :17305.8/1

Right Out: 11616.773+/-3.017 χ^2/NDF : 93165.6/18

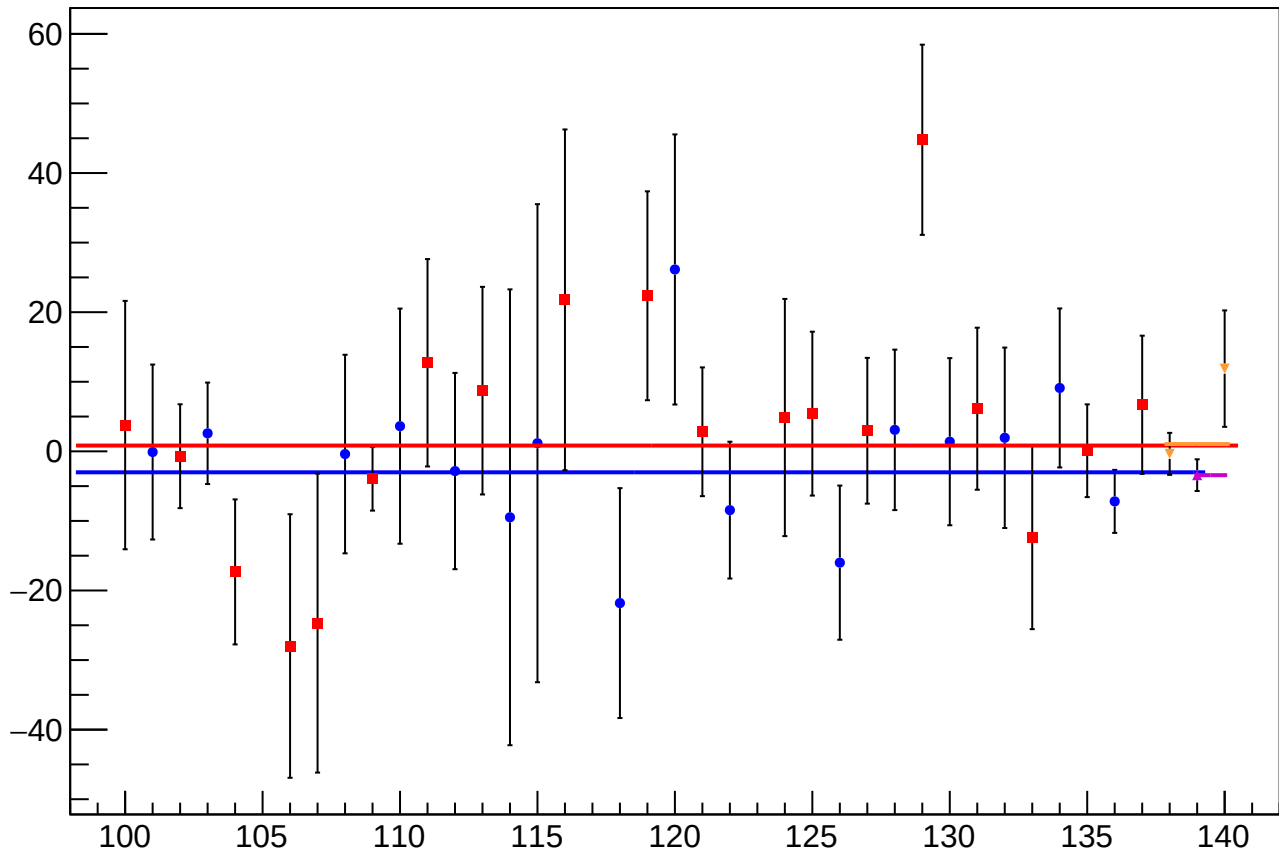
Left In: 13127.142+/-10.116 χ^2/NDF :0.0/0

+ sign 11352.523+/-2.731 χ^2/NDF : 301408.3/17

All: 11535.298+/-1.985 χ^2/NDF : 424544.4/37

- sign 11740.132+/-2.891 χ^2/NDF : 113636.9/19

diff_bpm11Y_mean vs Slug



Right In: -3.014 ± 2.654 χ^2/NDF : 8.7/15

Left Out: 1.048 ± 2.838 χ^2/NDF : 1.9/1

Right Out: 0.831 ± 2.352 χ^2/NDF : 23.8/18

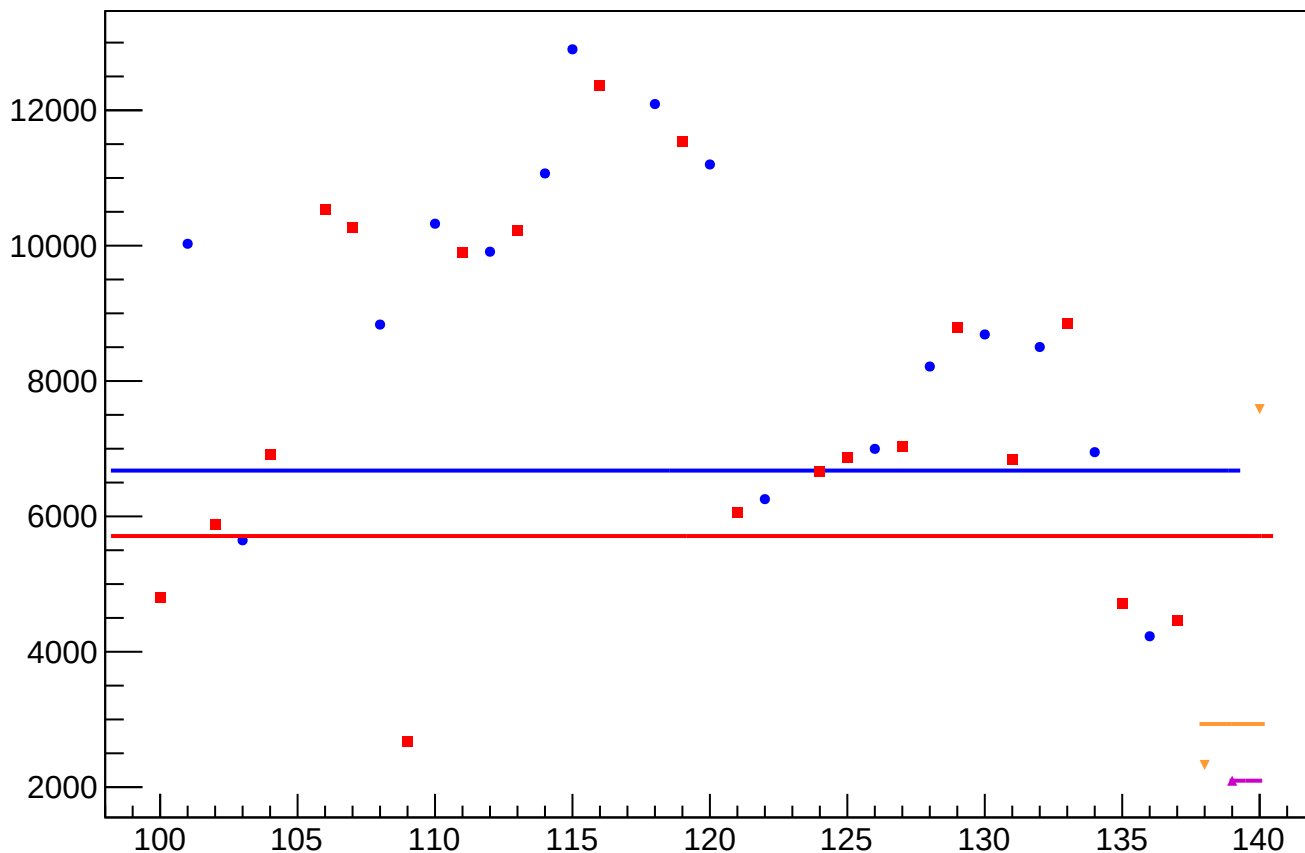
Left In: -3.423 ± 2.280 χ^2/NDF : 0.0/0

+ sign -1.120 ± 1.939 χ^2/NDF : 11.6/17

All: -1.261 ± 1.251 χ^2/NDF : 37.2/37

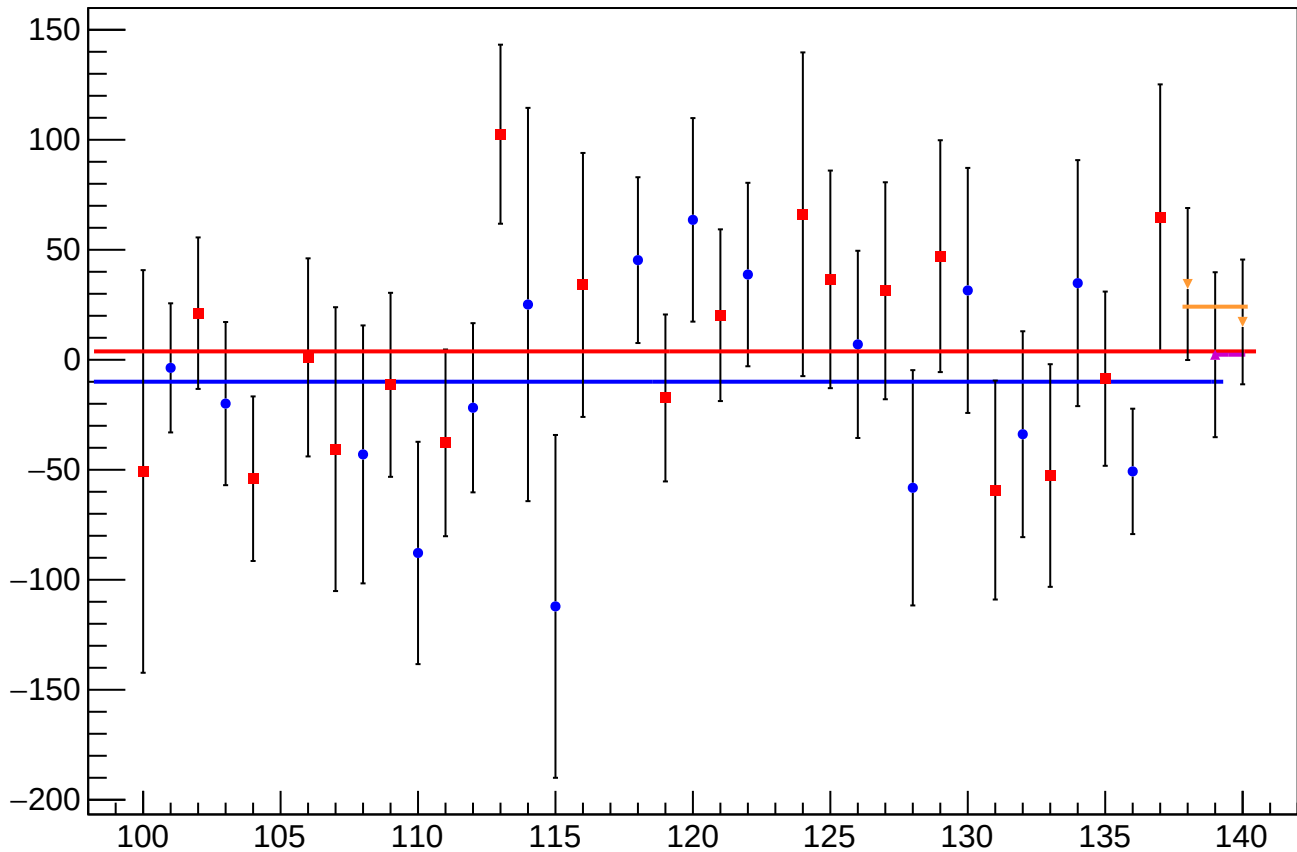
- sign -1.362 ± 1.637 χ^2/NDF : 25.5/19

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF : 1572864.3/15 + sign 4930.528+/-1.371 χ^2/NDF : 4128208.1/17
 Left Out: 2932.841+/-2.007 χ^2/NDF : 698712.4/1 All: 4297.865+/-0.884 χ^2/NDF : 9229573.9/37
 Right Out: 5709.821+/-1.663 χ^2/NDF : 2301039.5/18 - sign 3846.759+/-1.158 χ^2/NDF : 4736471.9/19
 Left In: 2095.309+/-1.612 χ^2/NDF : 0.0/0

diff_bpm12X_mean vs Slug



Right In: -9.969 $\pm$ 10.836 χ^2 /NDF: 15.3/15

Left Out: 24.144 $\pm$ 21.917 χ^2 /NDF: 0.1/1

Right Out: 3.814 $\pm$ 10.636 χ^2 /NDF: 17.3/18

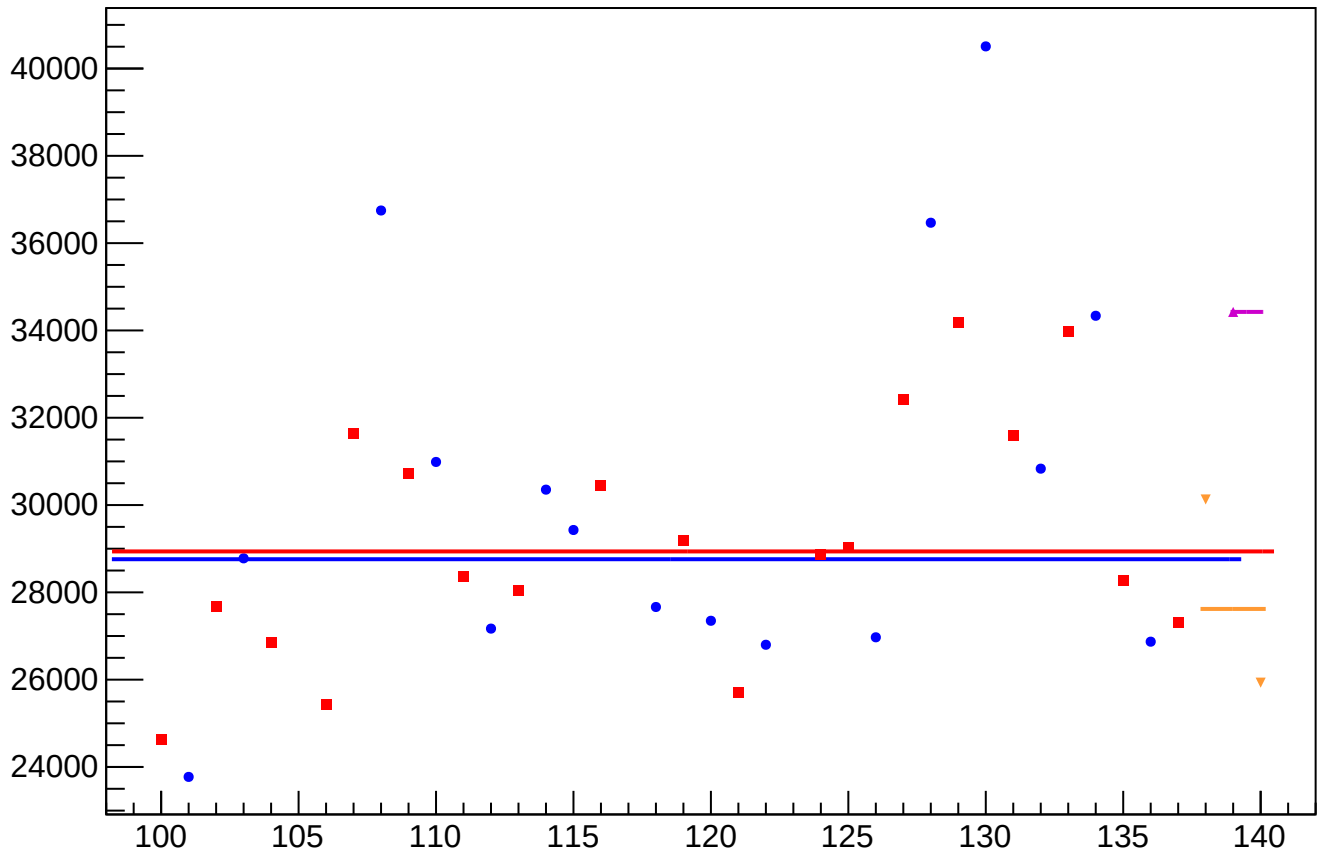
Left In: 2.307 $\pm$ 37.488 χ^2 /NDF: 0.0/0

+ sign -3.268 $\pm$ 9.714 χ^2 /NDF: 17.4/17

All: 0.036 $\pm$ 7.045 χ^2 /NDF: 34.9/37

- sign 3.701 $\pm$ 10.232 χ^2 /NDF: 17.3/19

diff_bpm12X_rms vs Slug



Right In: 28759.090 $\pm$ 7.662 χ^2 /NDF: 277639.9/15

Left Out: 27620.247 $\pm$ 15.498 χ^2 /NDF:17634.8/1

Right Out: 28937.633 $\pm$ 7.521 χ^2 /NDF: 106266.0/18

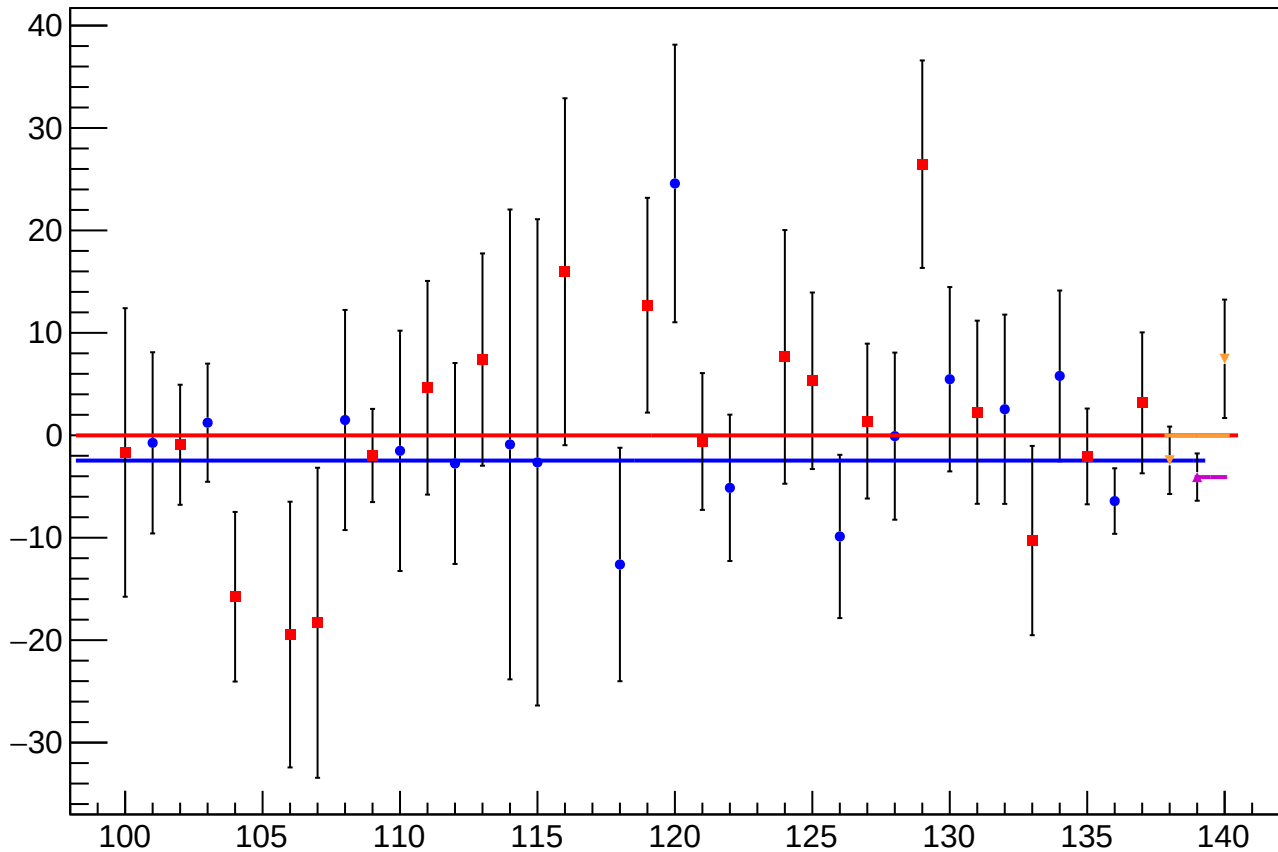
Left In: 34424.624 $\pm$ 26.508 χ^2 /NDF:0.0/0

+ sign 28535.382 $\pm$ 6.869 χ^2 /NDF: 299614.0/17

All: 28919.835 $\pm$ 4.981 χ^2 /NDF: 452143.5/37

- sign 29346.426 $\pm$ 7.235 χ^2 /NDF: 145920.6/19

diff_bpm12Y_mean vs Slug



Right In: -2.467 ± 1.916 χ^2/NDF : 10.0/15

Left Out: -0.016 ± 2.861 χ^2/NDF : 2.2/1

Right Out: -0.009 ± 1.828 χ^2/NDF : 20.0/18

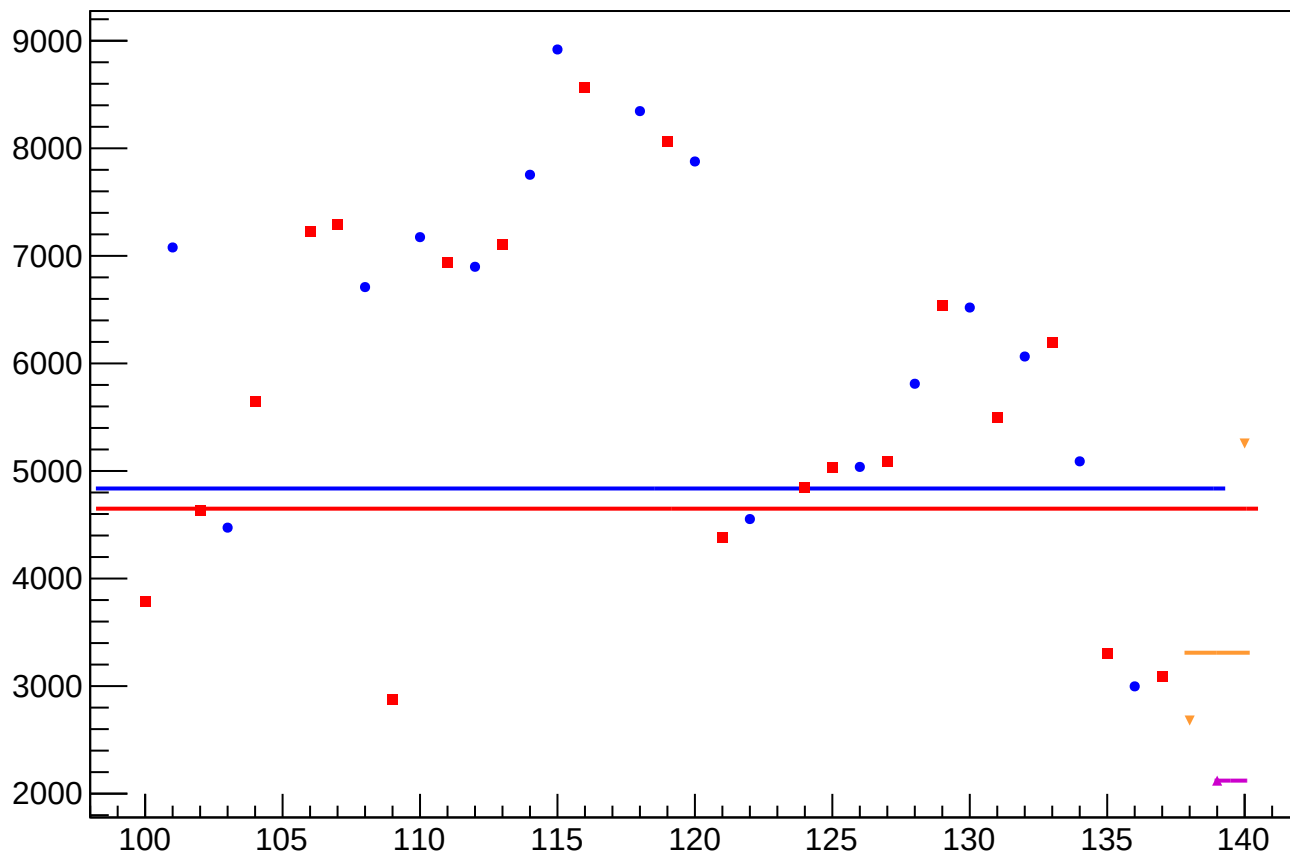
Left In: -4.080 ± 2.309 χ^2/NDF : 0.0/0

+ sign -1.709 ± 1.592 χ^2/NDF : 12.8/17

All: -1.637 ± 1.065 χ^2/NDF : 34.7/37

- sign -1.578 ± 1.433 χ^2/NDF : 21.9/19

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF : 1547766.9/15

Left Out: 3310.346+/-2.023 χ^2/NDF : 299680.5/1

Right Out: 4649.613+/-1.293 χ^2/NDF : 1434548.7/18

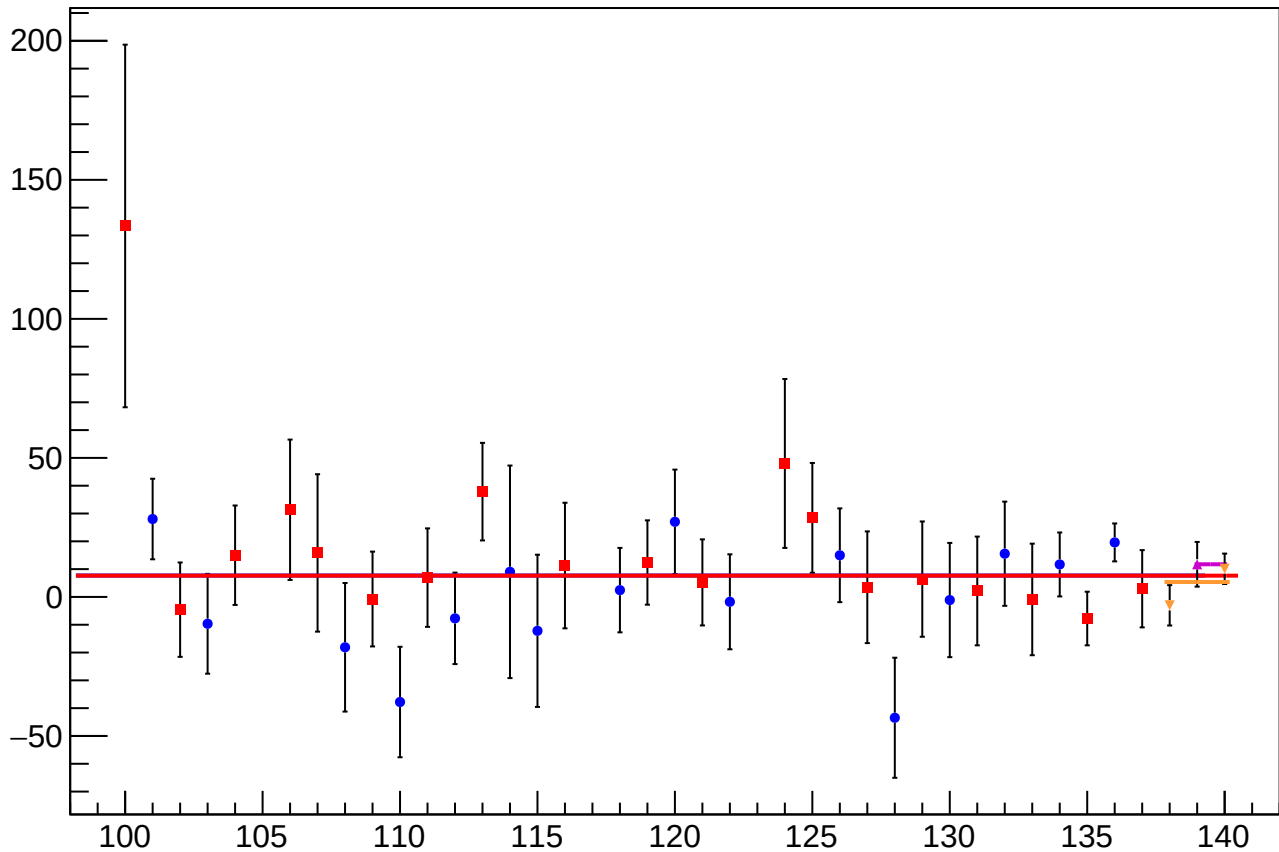
Left In: 2121.146+/-1.633 χ^2/NDF : 0.0/0

+ sign 4364.604+/-1.126 χ^2/NDF : 2240691.4/17

All: 3983.886+/-0.753 χ^2/NDF : 5356725.8/37

- sign 3675.242+/-1.013 χ^2/NDF : 2908878.5/19

diff_bpm16X_mean vs Slug



Right In: 7.699 $\pm$ 3.820 χ^2 /NDF: 21.6/15

Left Out: 5.364 $\pm$ 4.366 χ^2 /NDF: 2.1/1

Right Out: 7.650 $\pm$ 4.099 χ^2 /NDF: 14.6/18

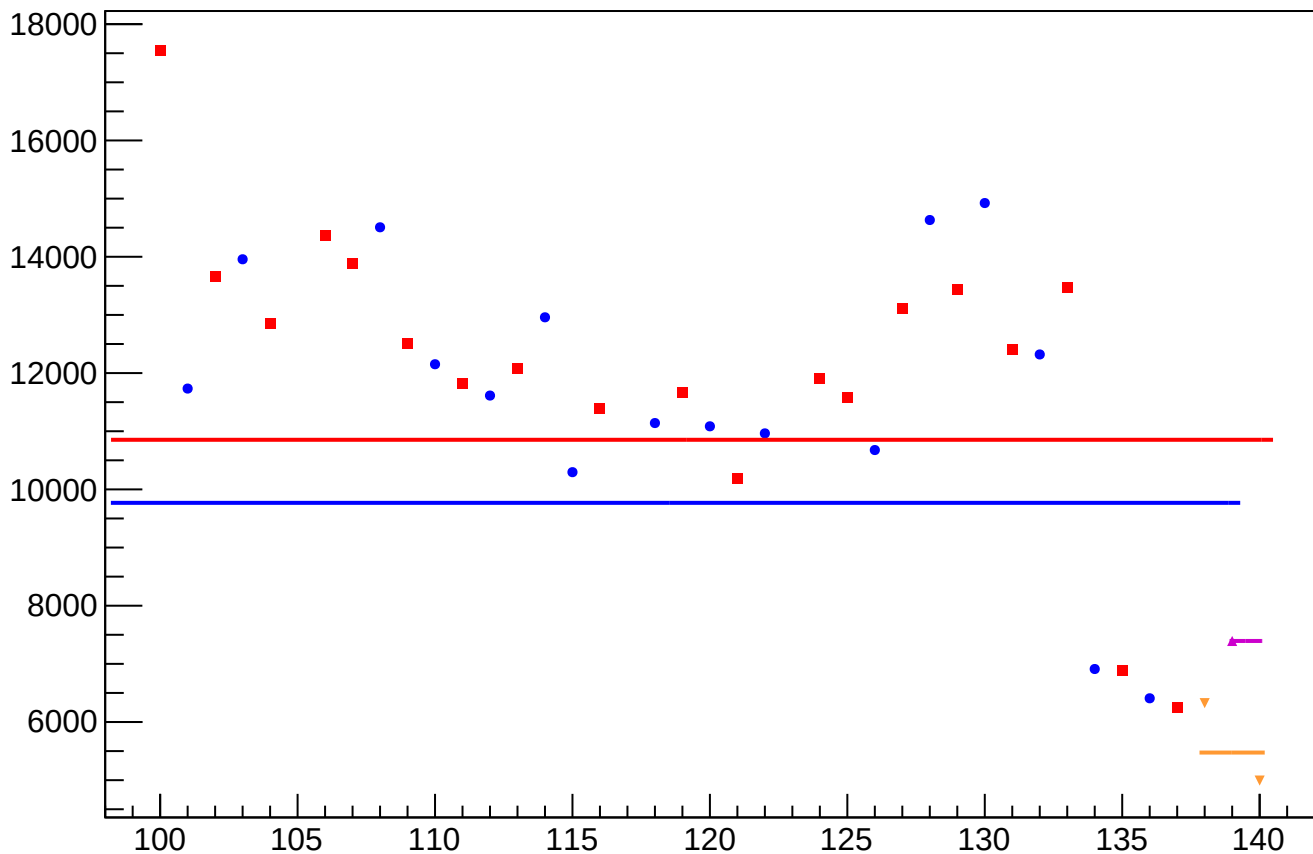
Left In: 11.744 $\pm$ 8.040 χ^2 /NDF: 0.0/0

+ sign 6.686 $\pm$ 2.875 χ^2 /NDF: 23.9/17

All: 7.378 $\pm$ 2.259 χ^2 /NDF: 38.8/37

- sign 8.495 $\pm$ 3.652 χ^2 /NDF: 14.8/19

diff_bpm16X_rms vs Slug



Right In: 9768.772 $\pm$ 2.701 χ^2 /NDF: 1213694.6/15

Left Out: 5474.895 $\pm$ 3.087 χ^2 /NDF: 42939.7/1

Right Out: 10852.989 $\pm$ 2.899 χ^2 /NDF: 874500.2/18

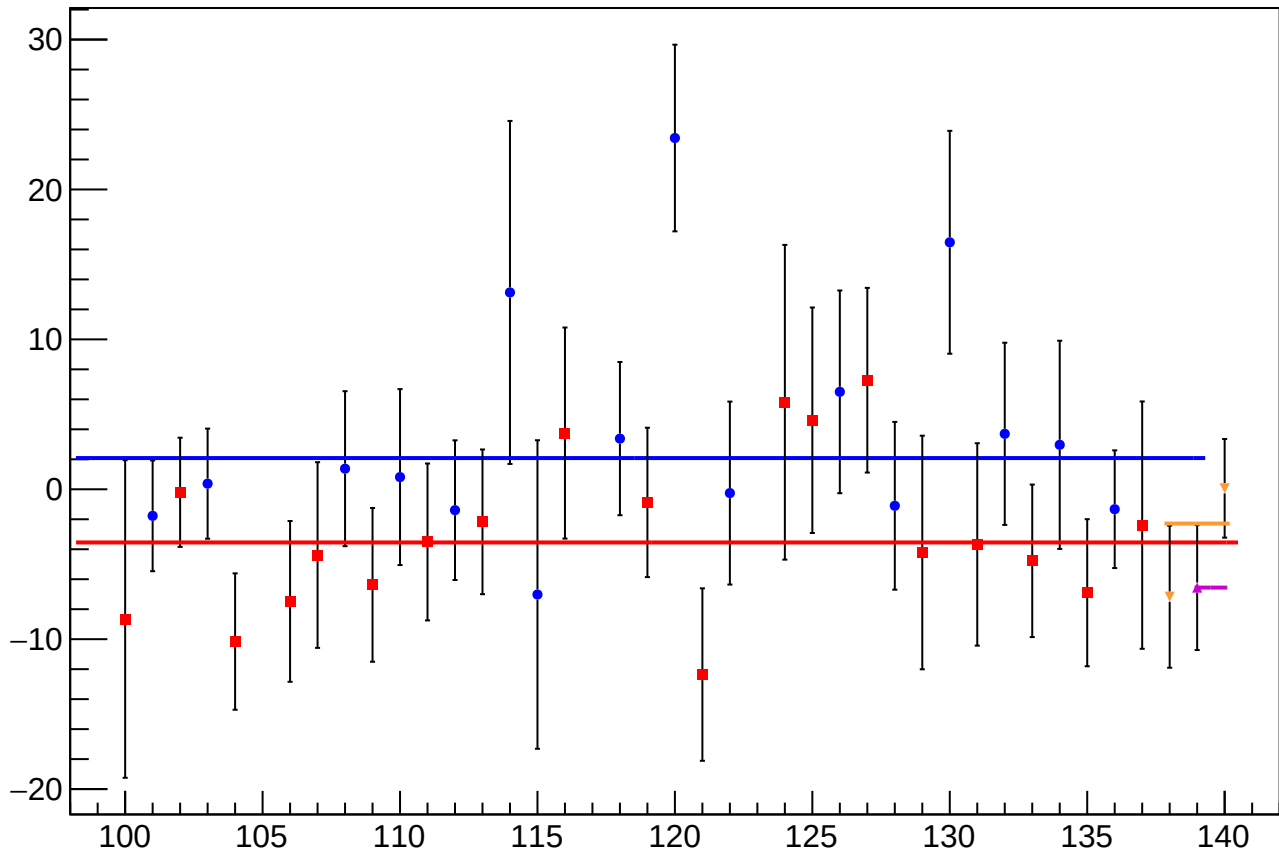
Left In: 7393.772 $\pm$ 5.685 χ^2 /NDF: 0.0/0

+ sign 7907.030 $\pm$ 2.033 χ^2 /NDF: 2352417.6/17

All: 8761.063 $\pm$ 1.597 χ^2 /NDF: 3982133.1/37

- sign 10139.231 $\pm$ 2.582 χ^2 /NDF: 1168370.7/19

diff_bpm16Y_mean vs Slug



Right In: 2.082 ± 1.345 χ^2/NDF : 21.0/15

Left Out: -2.287 ± 2.703 χ^2/NDF : 1.6/1

Right Out: -3.546 ± 1.304 χ^2/NDF : 13.4/18

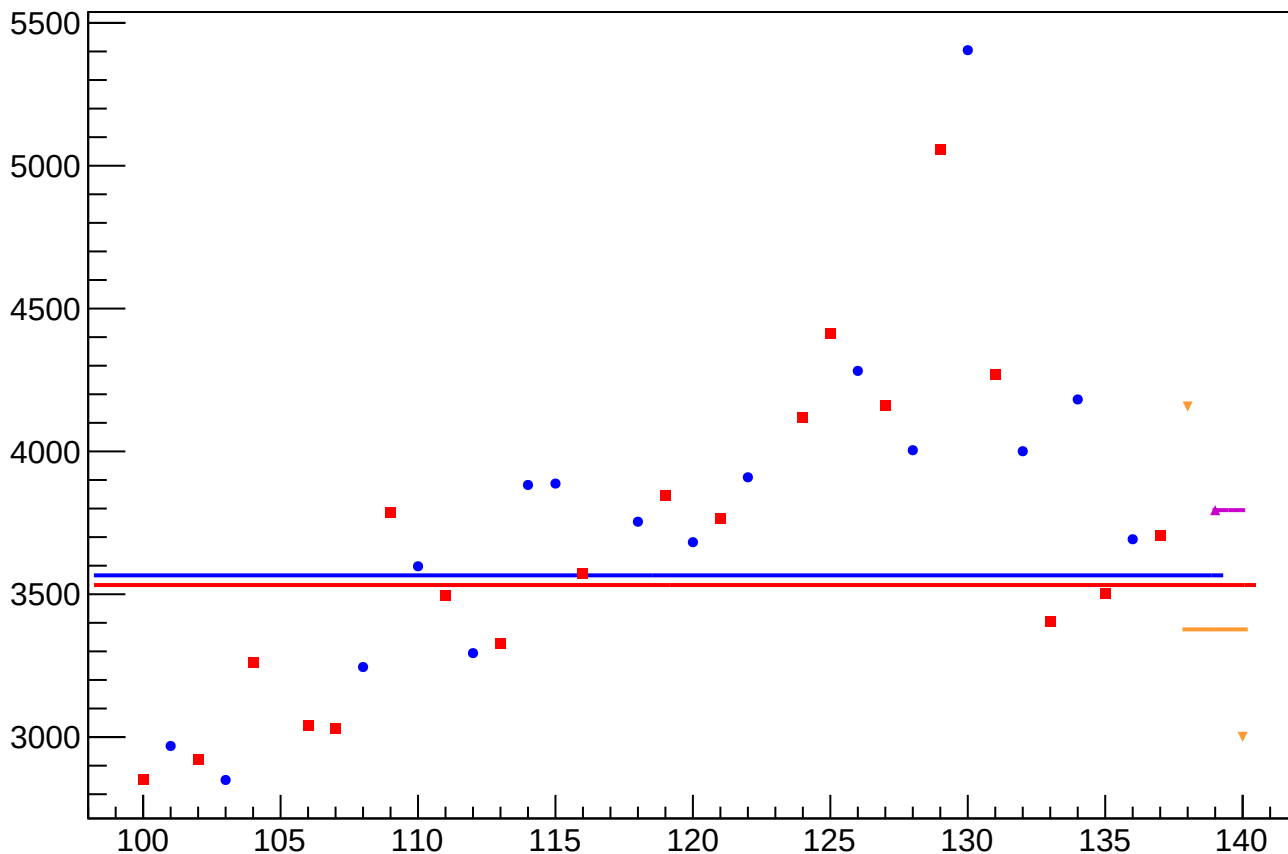
Left In: -6.558 ± 4.166 χ^2/NDF : 0.0/0

+ sign 1.215 ± 1.204 χ^2/NDF : 24.6/17

All: -1.218 ± 0.866 χ^2/NDF : 47.0/37

- sign -3.815 ± 1.245 χ^2/NDF : 13.9/19

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF : 341105.5/15

Left Out: 3376.987+/-1.911 χ^2/NDF : 80304.5/1

Right Out: 3532.189+/-0.922 χ^2/NDF : 278693.0/18

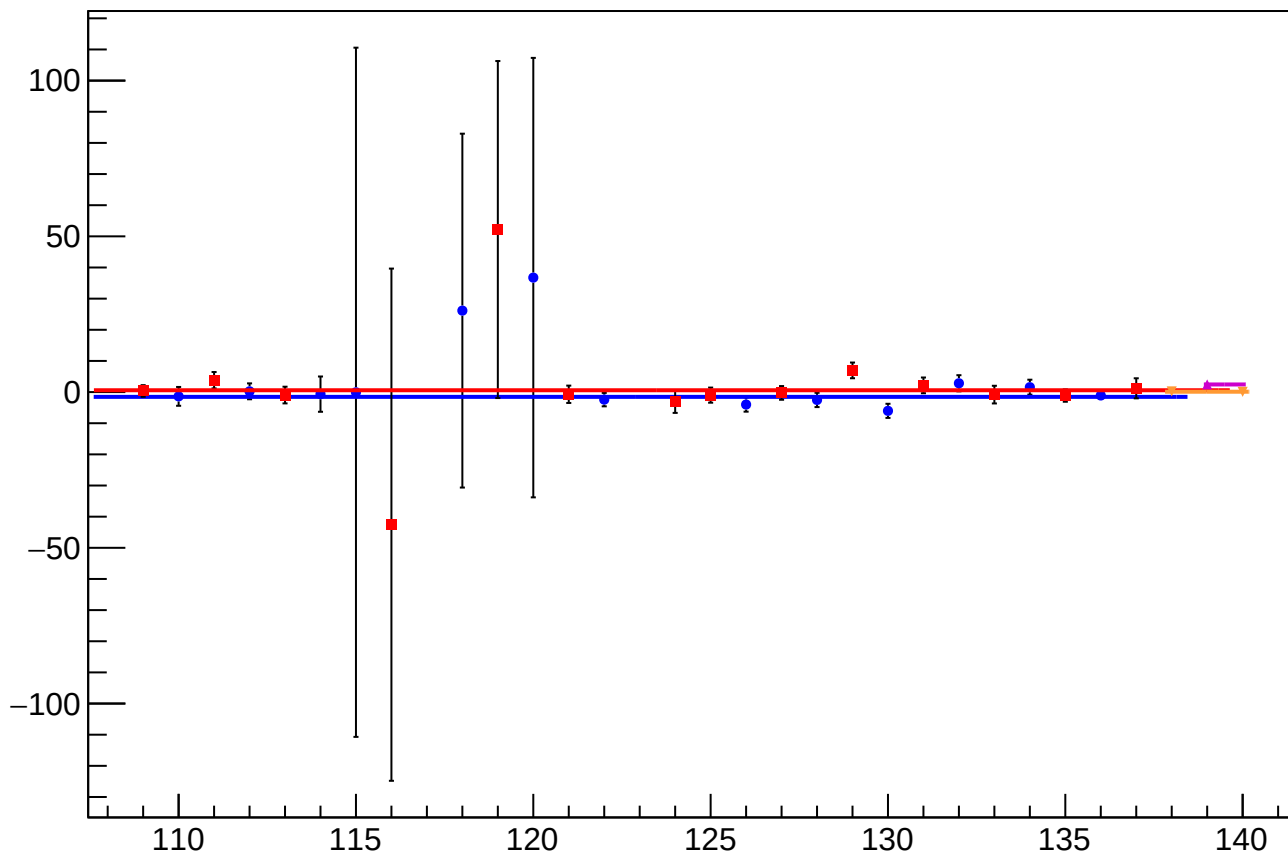
Left In: 3794.424+/-2.946 χ^2/NDF : 0.0/0

+ sign 3528.599+/-0.852 χ^2/NDF : 429259.6/17

All: 3541.653+/-0.612 χ^2/NDF : 715655.3/37

- sign 3555.593+/-0.880 χ^2/NDF : 285909.8/19

diff_bpm1p02bX_mean vs Slug



Right In: -1.536 ± 0.733 χ^2/NDF : 11.1/12

Left Out: 0.117 ± 0.846 χ^2/NDF : 0.0/1

Right Out: 0.588 ± 0.717 χ^2/NDF : 12.7/13

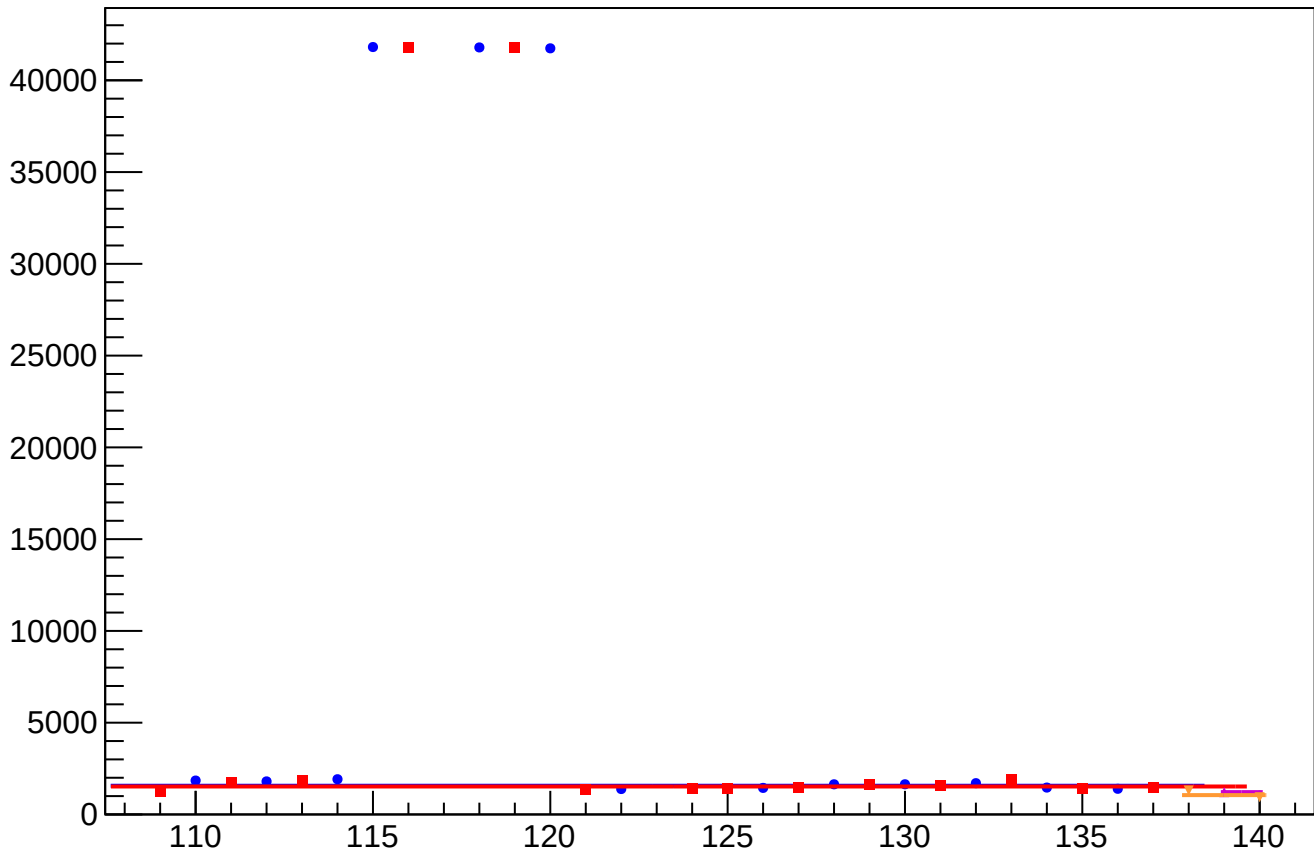
Left In: 2.446 ± 1.330 χ^2/NDF : 0.0/0

+ sign -0.827 ± 0.554 χ^2/NDF : 13.3/14

All: -0.030 ± 0.416 χ^2/NDF : 32.2/29

- sign 1.006 ± 0.631 χ^2/NDF : 14.2/14

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307 $\pm$ 0.518 χ^2/NDF : 2016990.6/12

Left Out: 1053.955 $\pm$ 0.598 χ^2/NDF : 81963.0/1

Right Out: 1523.678 $\pm$ 0.507 χ^2/NDF : 1739658.0/13

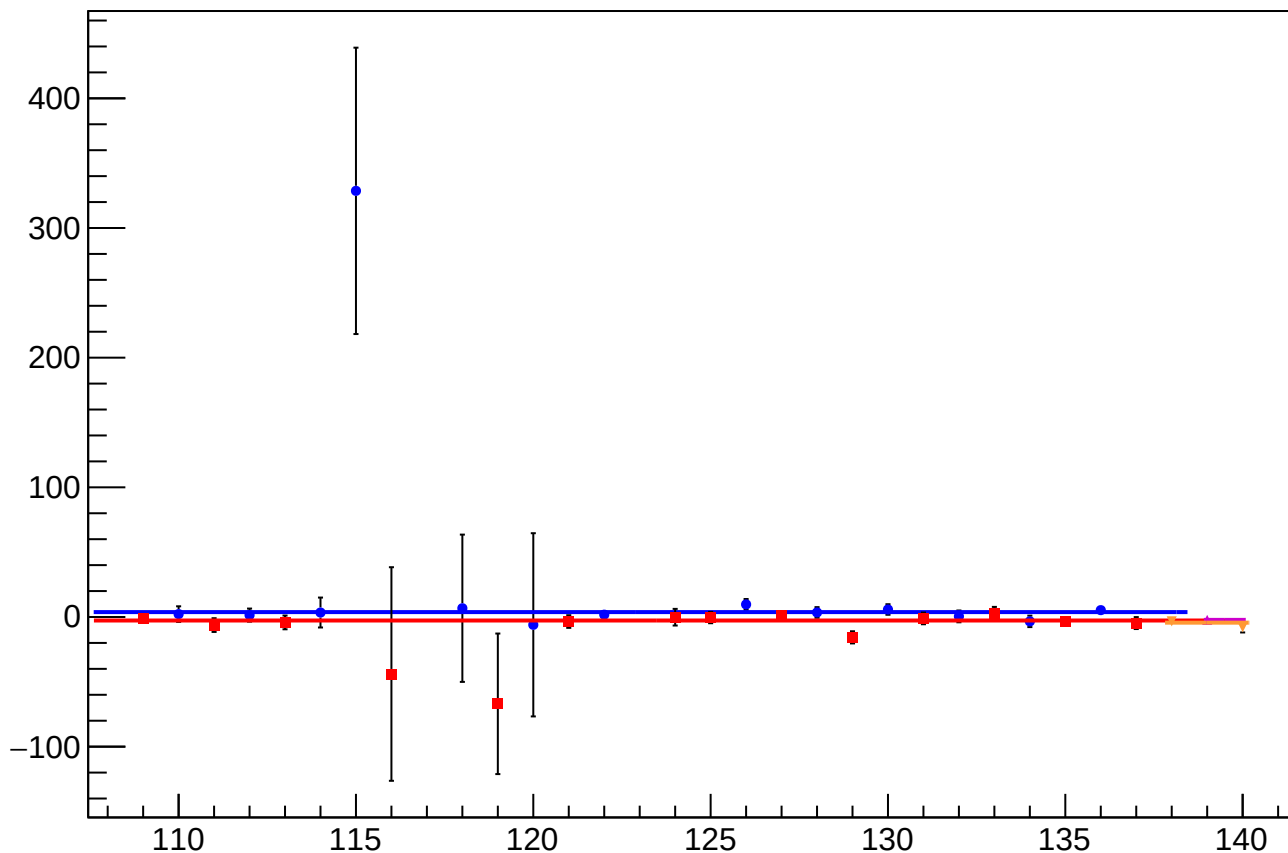
Left In: 1217.000 $\pm$ 0.941 χ^2/NDF : 0.0/0

+ sign 1345.431 $\pm$ 0.392 χ^2/NDF : 2515083.4/14

All: 1392.920 $\pm$ 0.294 χ^2/NDF : 4370923.5/29

- sign 1454.632 $\pm$ 0.446 χ^2/NDF : 1822014.3/14

diff_bpm1p02bY_mean vs Slug



Right In: 3.777 ± 1.248 χ^2/NDF : 15.2/12

Left Out: -4.374 ± 1.852 χ^2/NDF : 1.1/1

Right Out: -2.709 ± 1.211 χ^2/NDF : 13.6/13

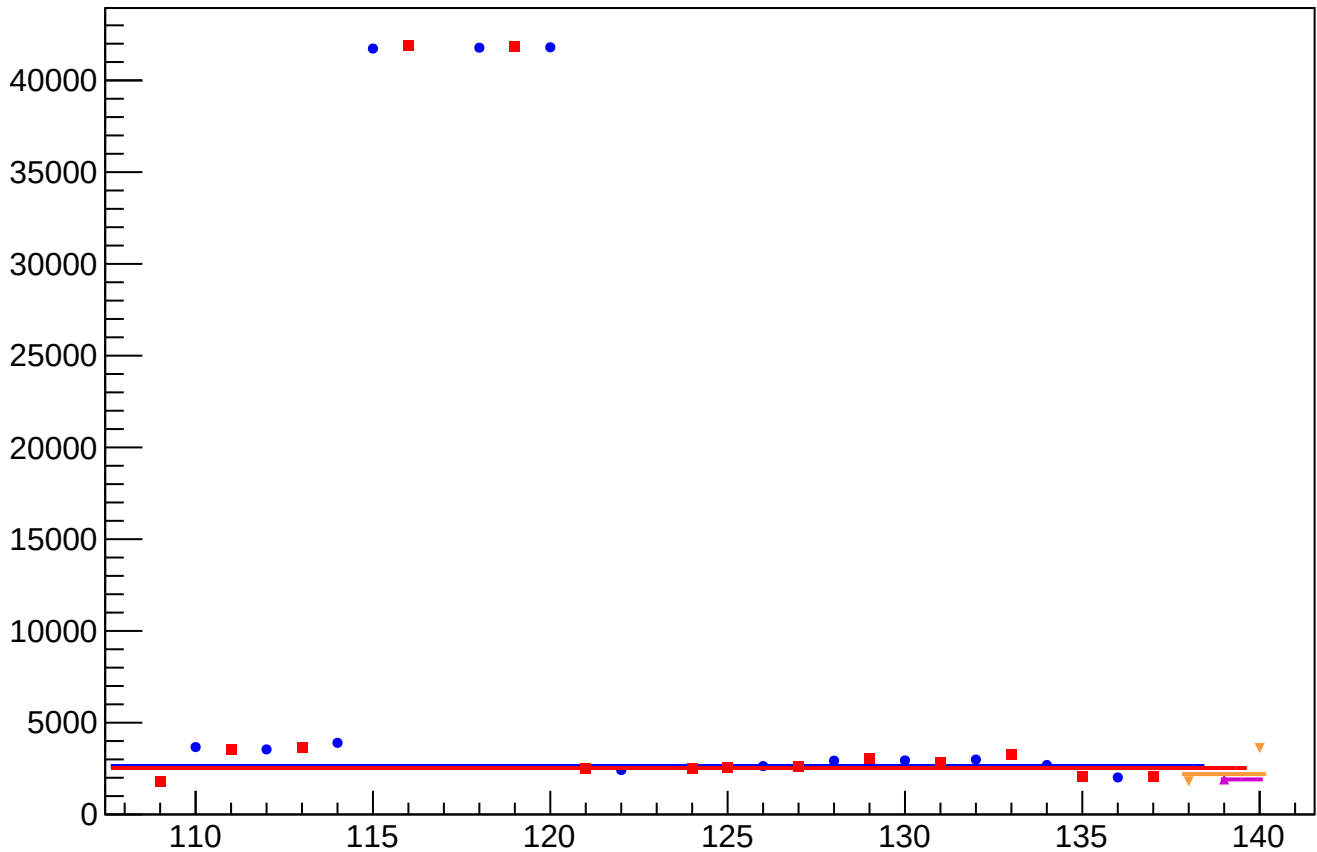
Left In: -2.230 ± 2.114 χ^2/NDF : 0.0/0

+ sign 1.231 ± 1.035 χ^2/NDF : 29.5/14

All: -0.651 ± 0.737 χ^2/NDF : 49.9/29

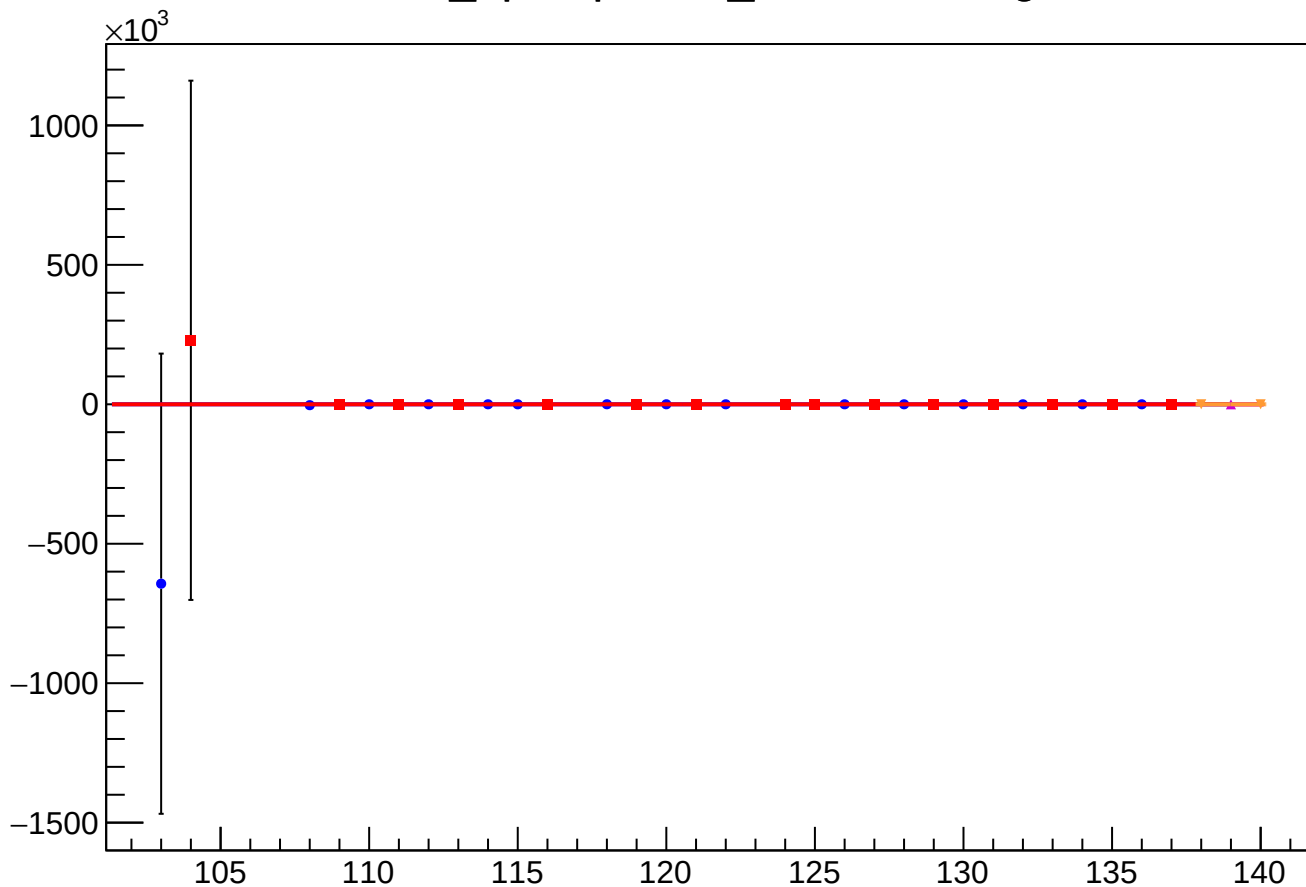
- sign -2.591 ± 1.051 χ^2/NDF : 13.7/14

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943 ± 0.883 $\chi^2/\text{NDF}: 2173395.1/12$ + sign 2501.958 ± 0.732 $\chi^2/\text{NDF}: 2580425.5/14$
 Left Out: 2198.139 ± 1.310 $\chi^2/\text{NDF}: 328789.6/1$ All: 2439.725 ± 0.521 $\chi^2/\text{NDF}: 4674974.4/29$
 Right Out: 2529.018 ± 0.856 $\chi^2/\text{NDF}: 1949928.1/13$ - sign 2375.606 ± 0.743 $\chi^2/\text{NDF}: 2079873.6/14$
 Left In: 1907.998 ± 1.495 $\chi^2/\text{NDF}: 0.0/0$

diff_bpm1p03aX_mean vs Slug



Right In: -1.215 $\pm$ 1.125 χ^2/NDF : 18.8/14

Left Out: -1.147 $\pm$ 1.184 χ^2/NDF : 1.4/1

Right Out: -2.670 $\pm$ 1.211 χ^2/NDF : 14.4/14

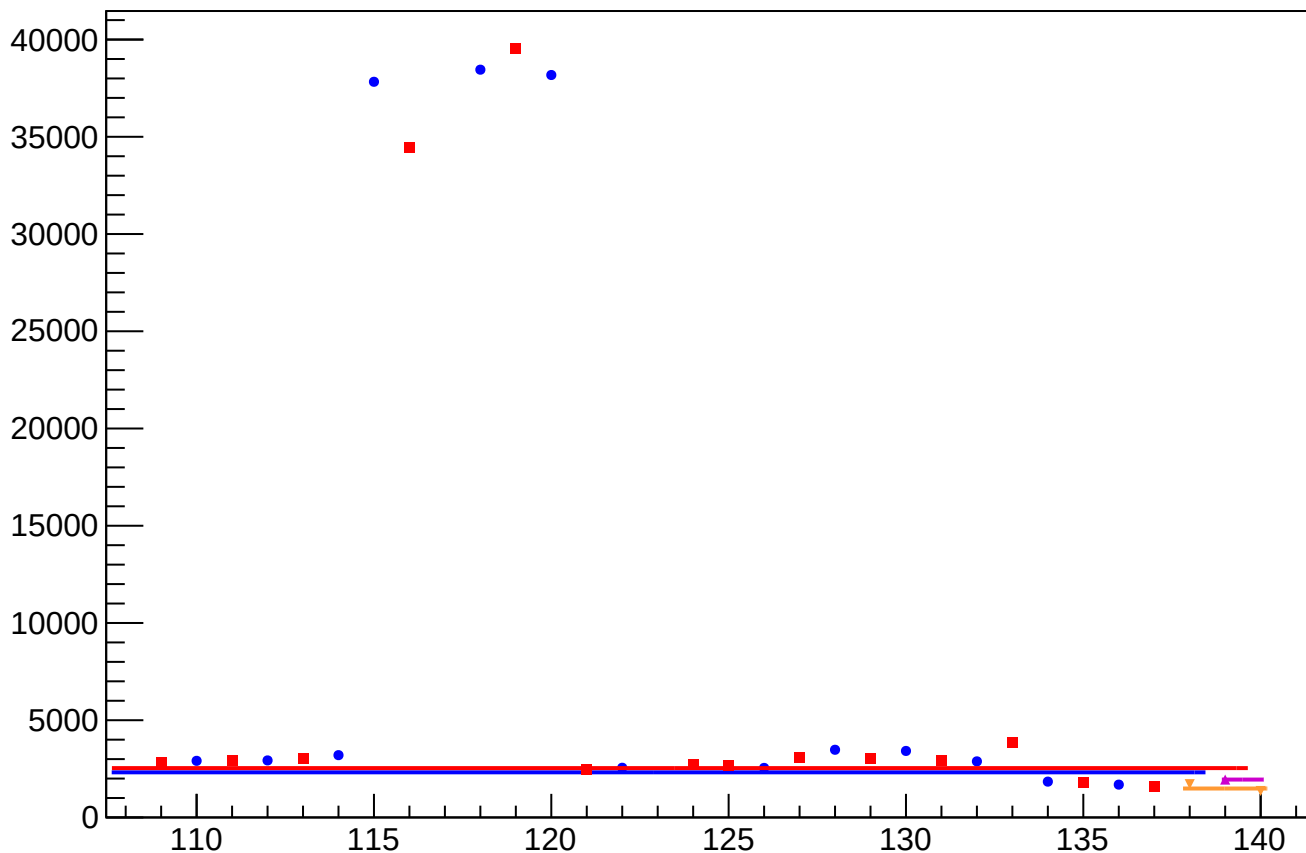
Left In: -1.958 $\pm$ 2.118 χ^2/NDF : 0.0/0

+ sign -1.182 $\pm$ 0.816 χ^2/NDF : 20.2/16

All: -1.675 $\pm$ 0.644 χ^2/NDF : 35.7/32

- sign -2.495 $\pm$ 1.051 χ^2/NDF : 14.5/15

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF : 2461445.1/12

Left Out: 1487.963+/-0.837 χ^2/NDF : 40708.7/1

Right Out: 2537.615+/-0.856 χ^2/NDF : 2038153.2/13

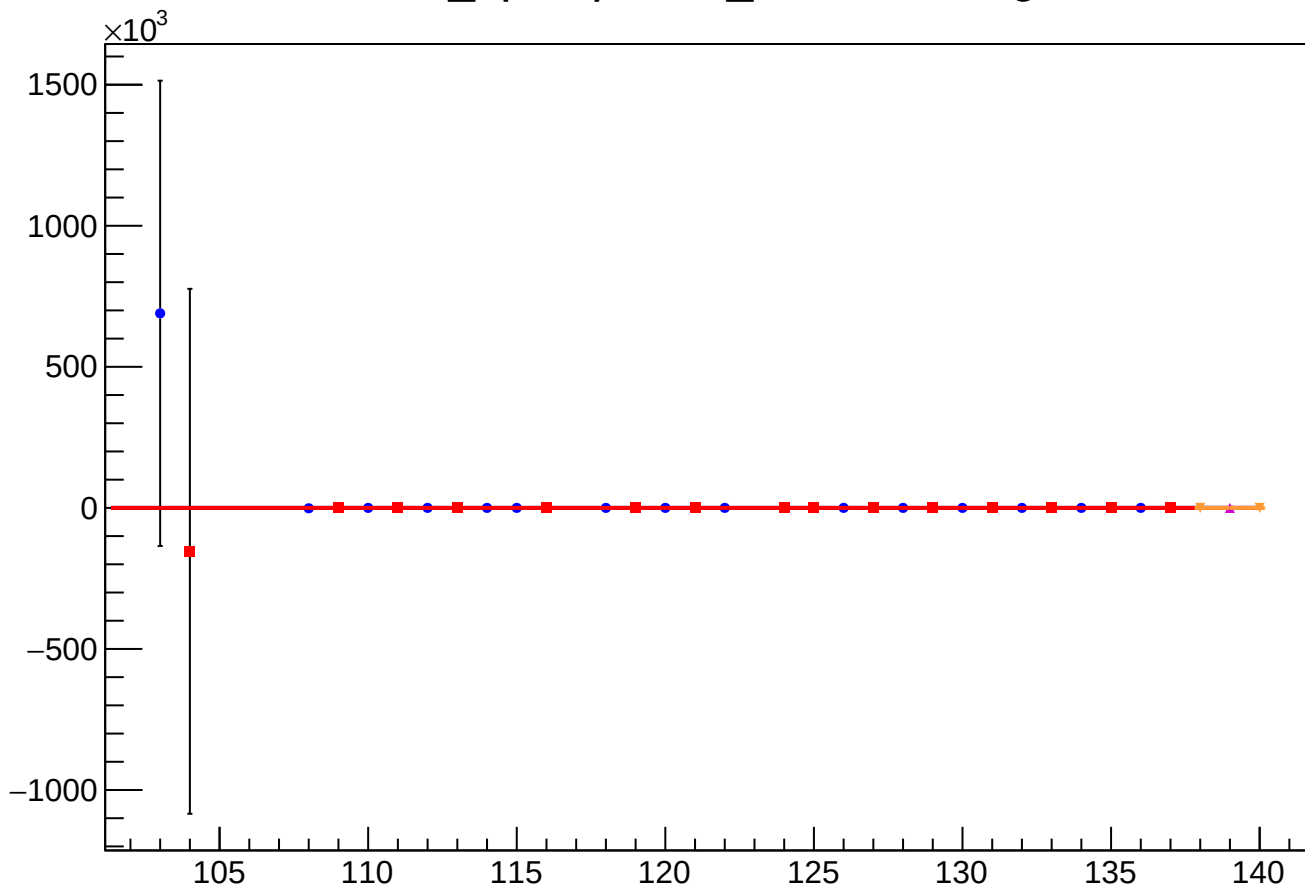
Left In: 1948.115+/-1.498 χ^2/NDF : 0.0/0

+ sign 1925.429+/-0.577 χ^2/NDF : 3021558.0/14

All: 2100.883+/-0.456 χ^2/NDF : 5422707.9/29

- sign 2392.350+/-0.743 χ^2/NDF : 2154913.5/14

diff_bpm1p03aY_mean vs Slug



Right In: 1.708 ± 1.076 χ^2/NDF : 5.0/14

Left Out: -3.437 ± 1.355 χ^2/NDF : 0.3/1

Right Out: -1.893 ± 1.052 χ^2/NDF : 15.3/14

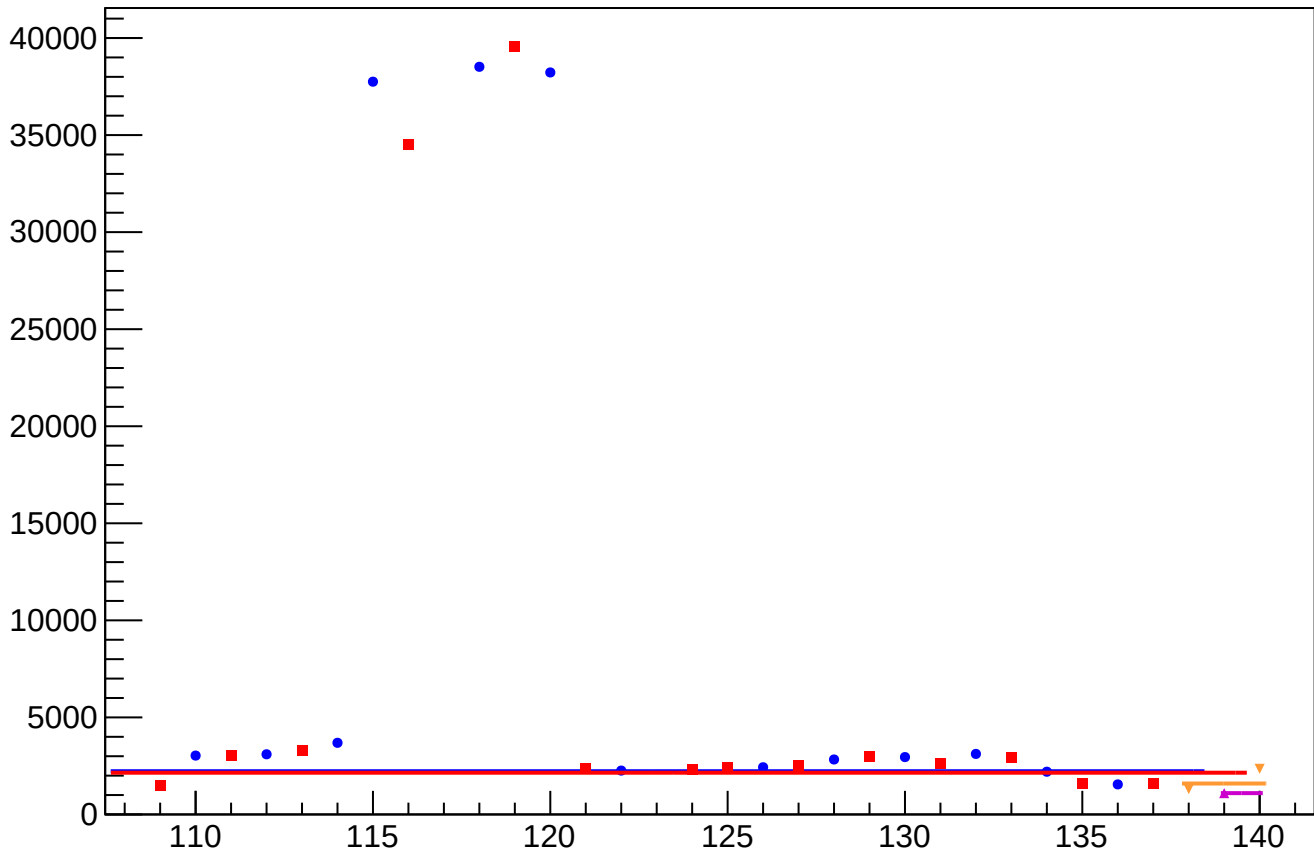
Left In: 0.568 ± 1.195 χ^2/NDF : 0.0/0

+ sign -0.283 ± 0.843 χ^2/NDF : 14.2/16

All: -0.568 ± 0.576 χ^2/NDF : 32.1/32

- sign -0.819 ± 0.789 χ^2/NDF : 17.7/15

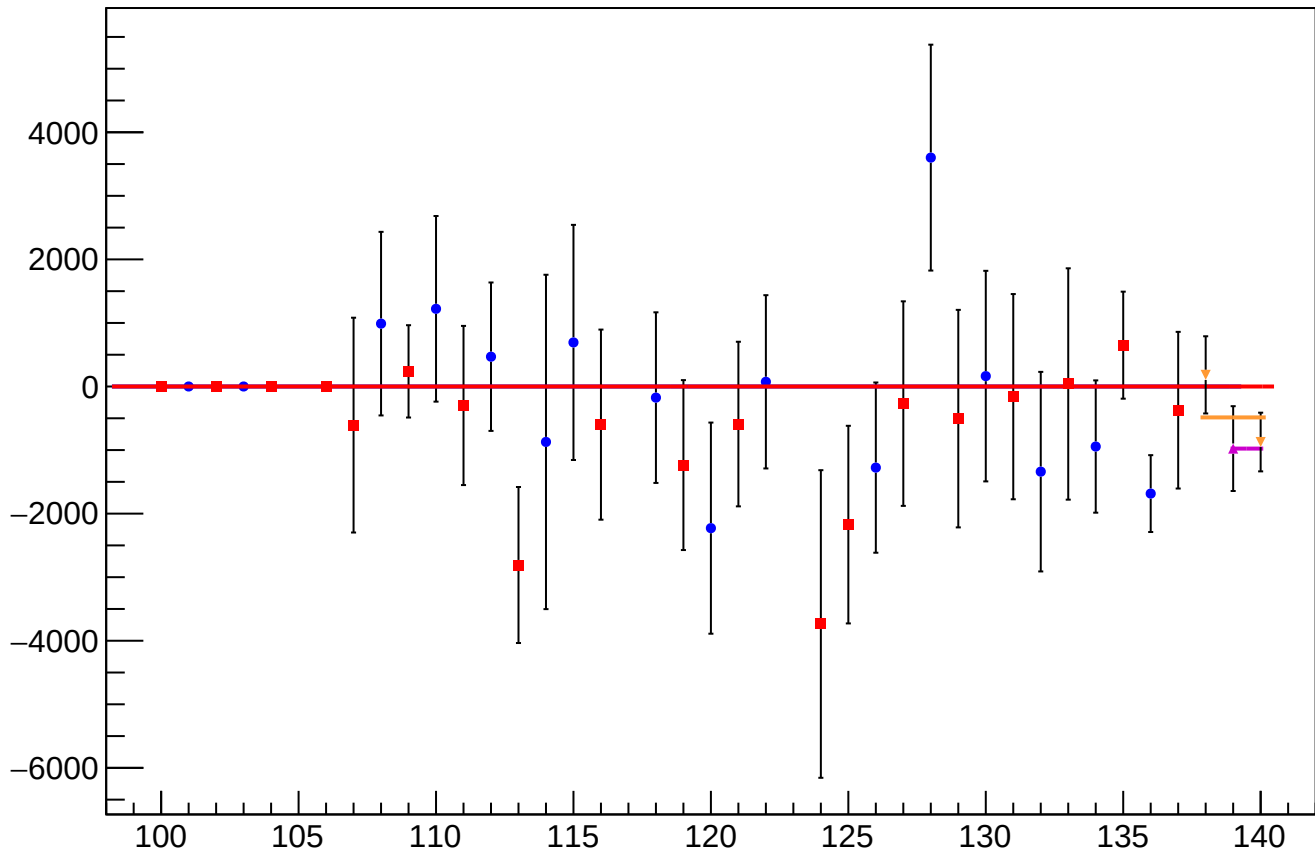
diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF : 2522286.5/12
 Left Out: 1593.707+/-0.958 χ^2/NDF : 237536.4/1
 Right Out: 2150.841+/-0.744 χ^2/NDF : 2231322.0/13
 Left In: 1098.824+/-0.845 χ^2/NDF : 0.0/0

+ sign 1981.981+/-0.596 χ^2/NDF : 3027594.1/14
 All: 1827.194+/-0.407 χ^2/NDF : 6259392.1/29
 - sign 1691.432+/-0.558 χ^2/NDF : 3105185.5/14

diff_cav4bX_mean vs Slug



Right In: 0.255 ± 0.356 χ^2/NDF : 17.7/15

Left Out: -486.351 ± 367.545 χ^2/NDF : 1.9/1

Right Out: 0.096 ± 0.328 χ^2/NDF : 15.4/18

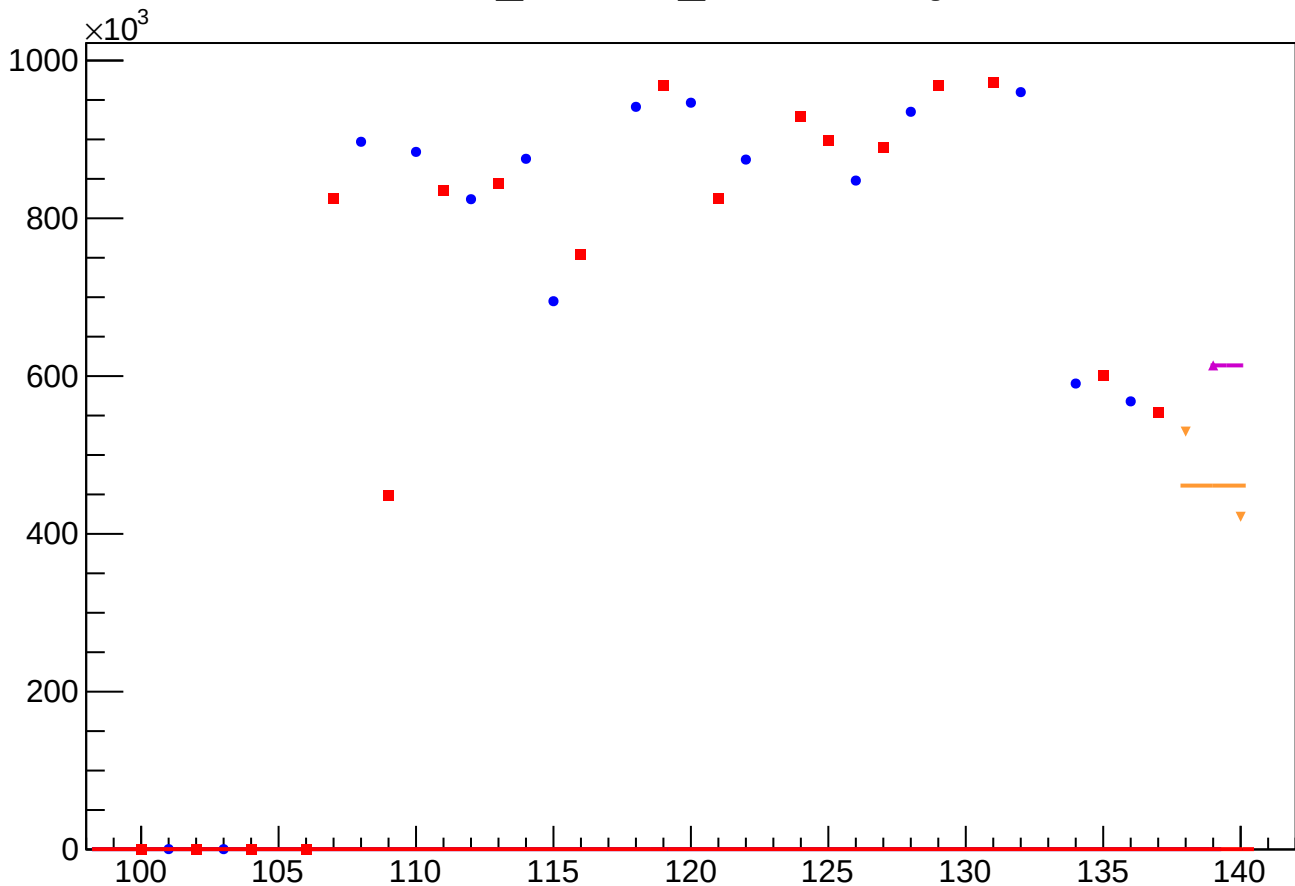
Left In: -976.759 ± 667.207 χ^2/NDF : 0.0/0

+ sign 0.255 ± 0.356 χ^2/NDF : 21.4/17

All: 0.169 ± 0.241 χ^2/NDF : 39.1/37

- sign 0.096 ± 0.328 χ^2/NDF : 17.6/19

diff_cav4bX_rms vs Slug



Right In: 398.881 ± 0.251 χ^2/NDF : 8491830.9/14

Left Out: 461211.956 ± 259.894 χ^2/NDF : 40047.3/1

+ sign 399.312 ± 0.251 χ^2/NDF : 11675700.4/16

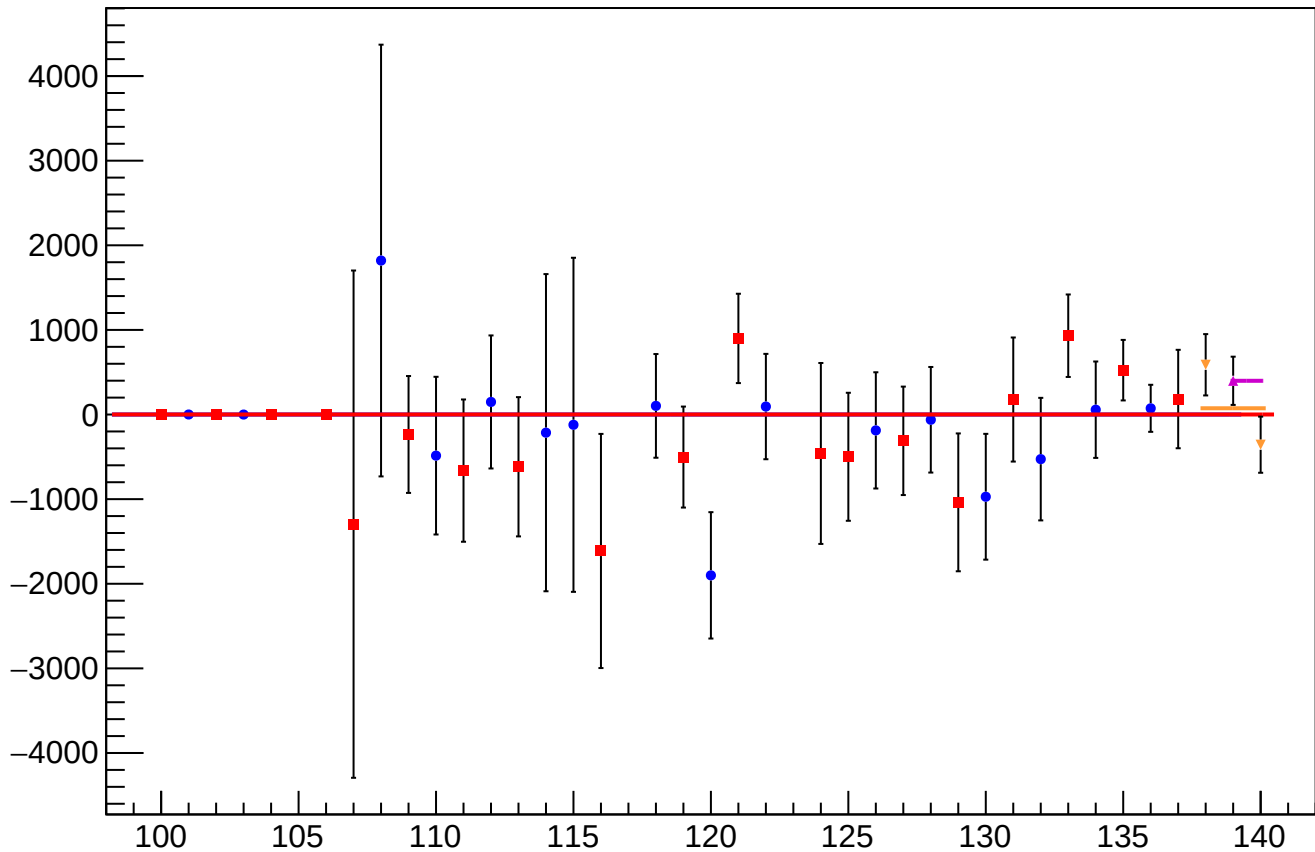
Right Out: 393.240 ± 0.232 χ^2/NDF : 7648578.2/17

All: 396.109 ± 0.170 χ^2/NDF : 21013774.0/39

- sign 393.388 ± 0.232 χ^2/NDF : 9337773.5/18

Left In: 613569.903 ± 471.787 χ^2/NDF : 0.0/0

diff_cav4bY_mean vs Slug



Right In: -0.020 ± 0.347 χ^2/NDF : 10.5/15

Left Out: 74.037 ± 244.653 χ^2/NDF : 3.7/1

Right Out: 0.599 ± 0.324 χ^2/NDF : 15.0/18

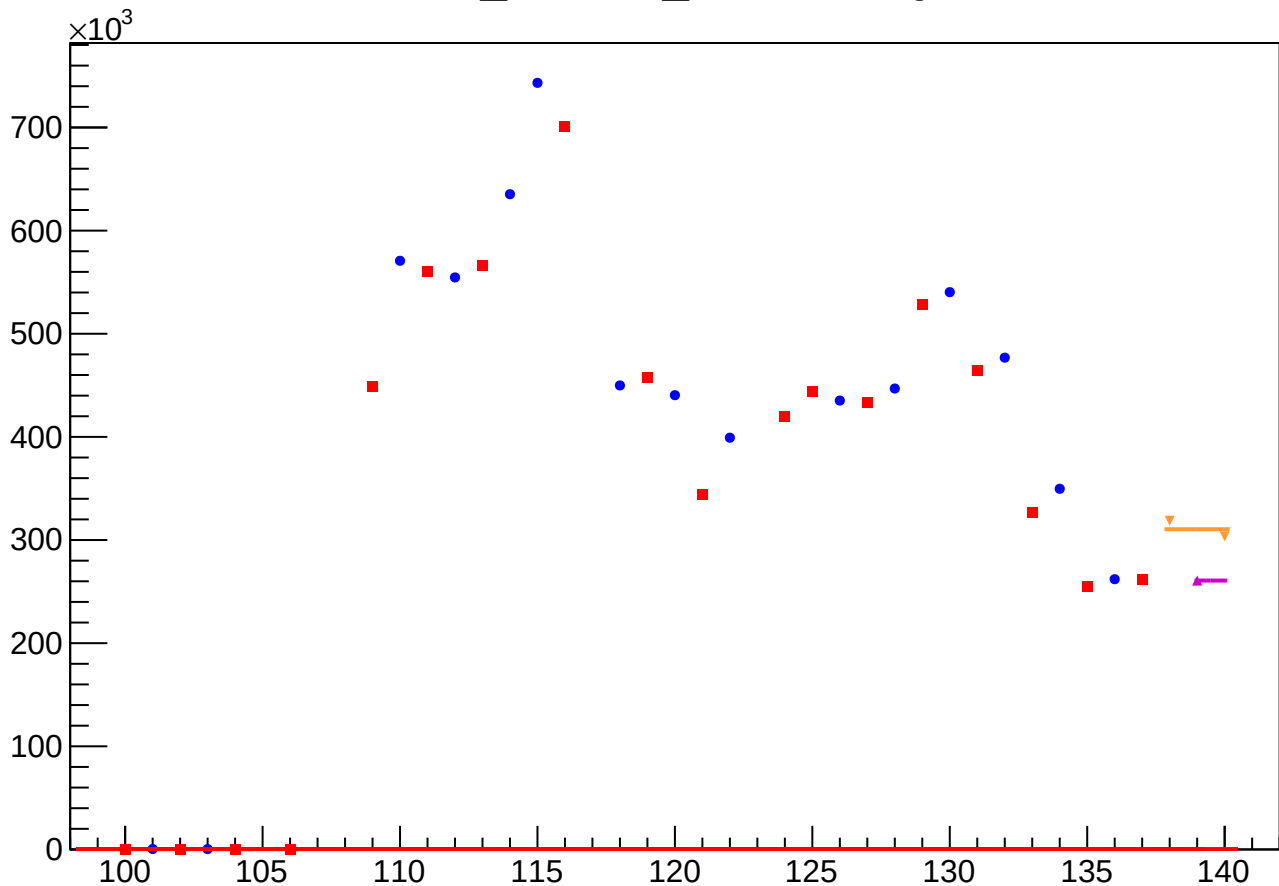
Left In: 398.686 ± 284.995 χ^2/NDF : 0.0/0

+ sign -0.020 ± 0.347 χ^2/NDF : 14.3/17

All: 0.311 ± 0.237 χ^2/NDF : 32.9/37

- sign 0.599 ± 0.324 χ^2/NDF : 17.0/19

diff_cav4bY_rms vs Slug



Right In: 390.276 ± 0.245 χ^2/NDF : 11132240.7/14

Left Out: 310441.857 ± 172.996 χ^2/NDF : 1893.0/1

Right Out: 387.984 ± 0.229 χ^2/NDF : 11074302.3/17

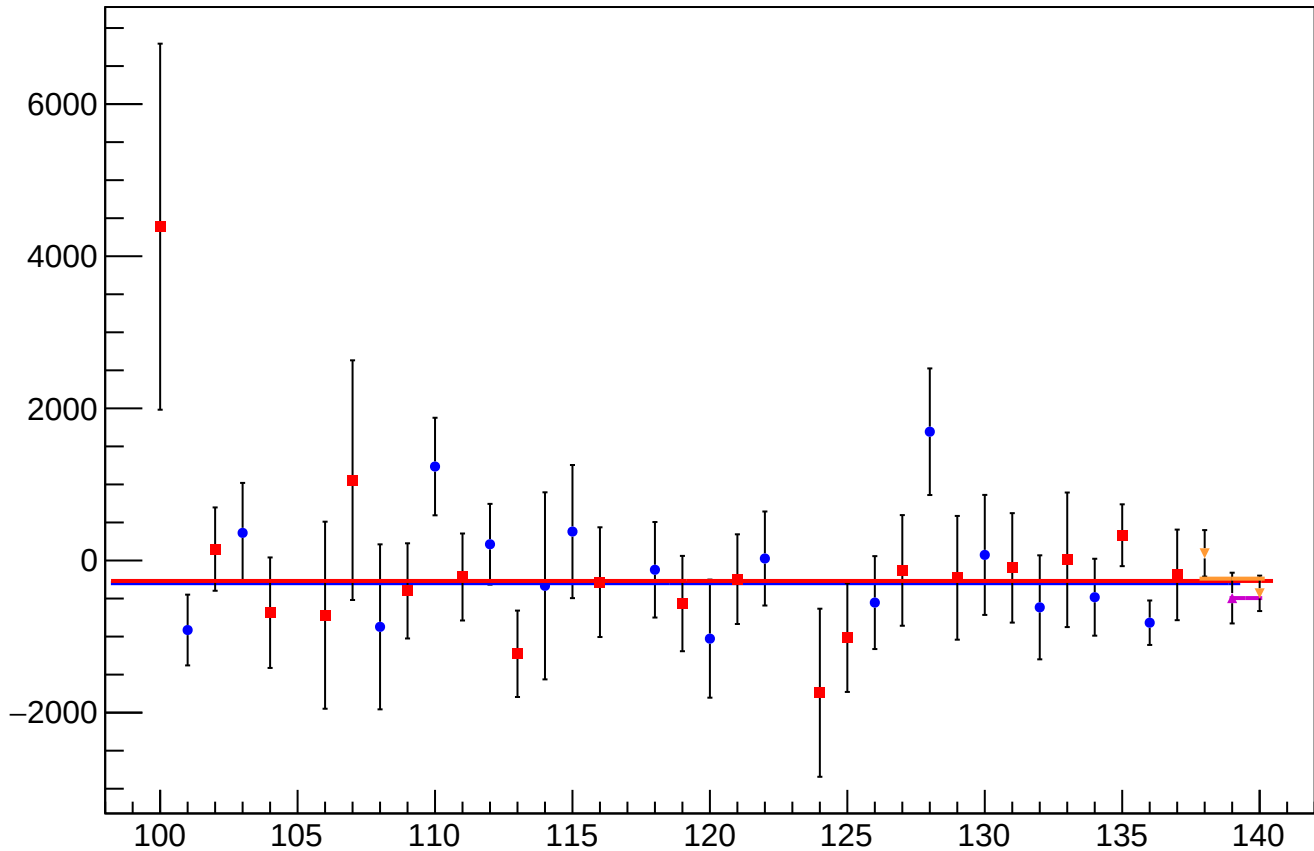
Left In: 260713.799 ± 201.522 χ^2/NDF : 0.0/0

+ sign 390.900 ± 0.245 χ^2/NDF : 14346289.0/16

All: 389.521 ± 0.167 χ^2/NDF : 27089389.8/39

- sign 388.320 ± 0.229 χ^2/NDF : 12743041.7/18

diff_cav4cX_mean vs Slug



Right In: -298.263 ± 147.367 χ^2/NDF : 21.2/15

Left Out: -238.439 ± 185.191 χ^2/NDF : 1.9/1

Right Out: -268.892 ± 156.582 χ^2/NDF : 13.9/18

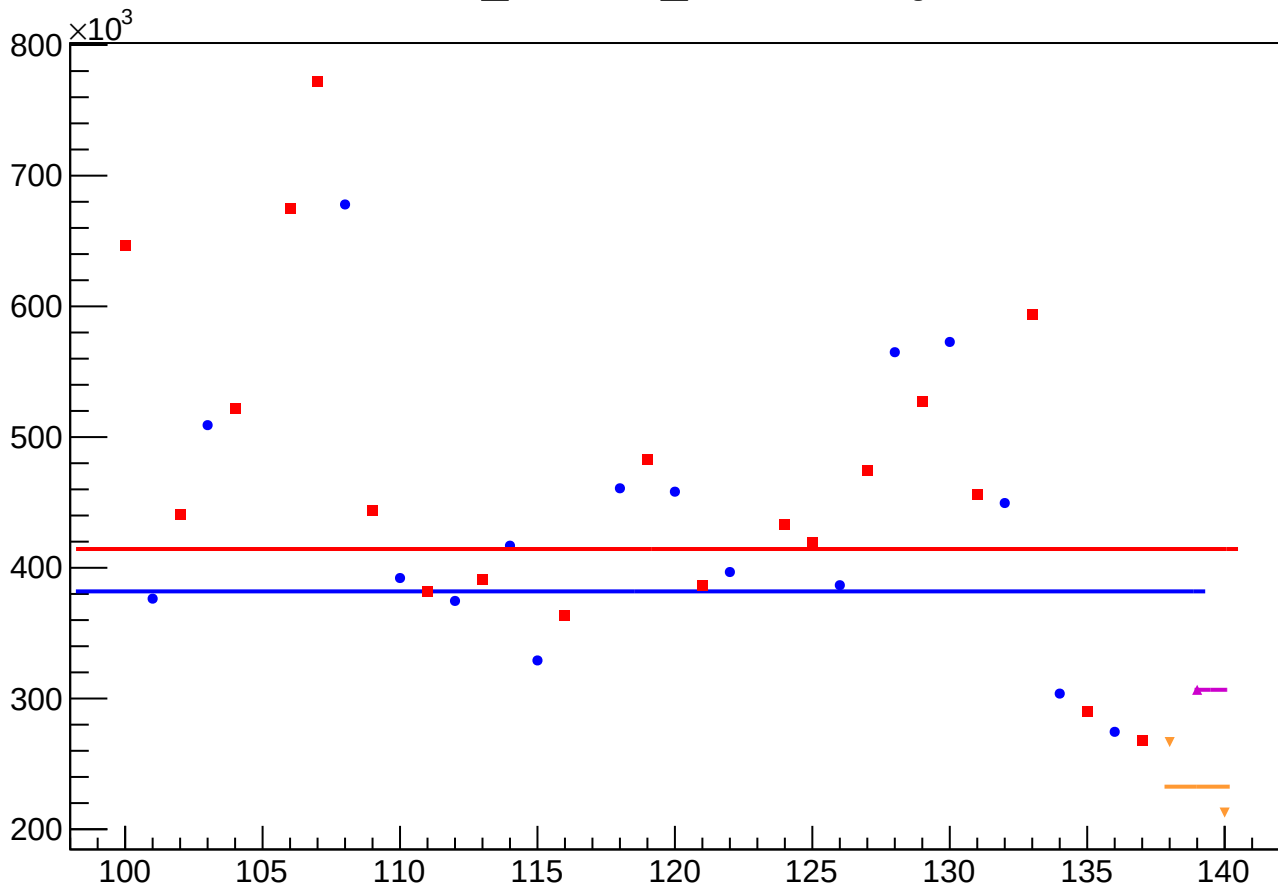
Left In: -493.907 ± 333.482 χ^2/NDF : 0.0/0

+ sign -275.068 ± 115.313 χ^2/NDF : 23.1/17

All: -288.797 ± 89.449 χ^2/NDF : 37.4/37

- sign -309.538 ± 141.736 χ^2/NDF : 14.3/19

diff_cav4cX_rms vs Slug



Right In: 381960.471 ± 104.223

χ^2/NDF : 836441.6/15

+ sign 324024.684 ± 81.547 χ^2/NDF : 1672703.7/17

Left Out: 232565.469 ± 130.950

χ^2/NDF : 39451.9/1

Right Out: 414378.043 ± 110.748

χ^2/NDF : 760082.5/18

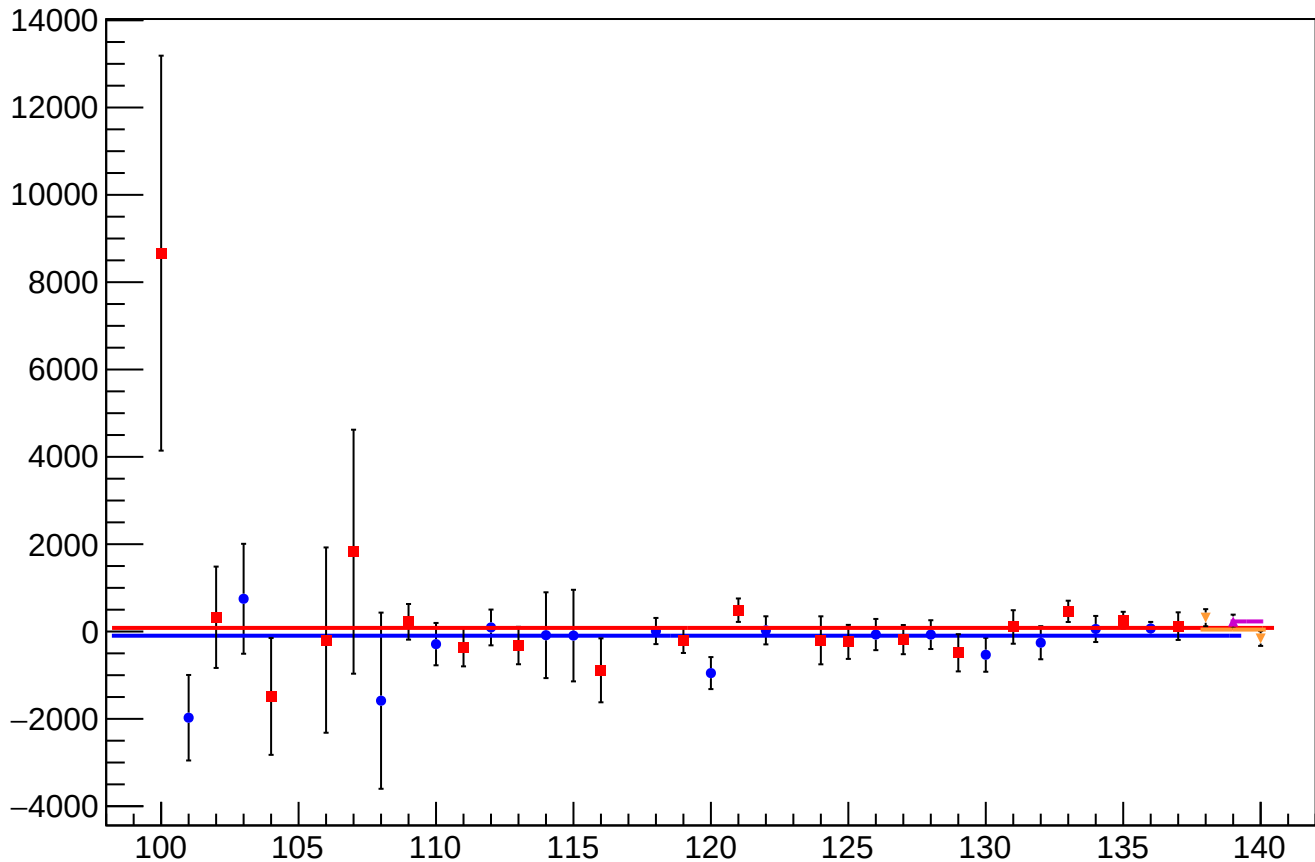
All: 352255.503 ± 63.259 χ^2/NDF : 2904641.6/19

- sign 394914.772 ± 100.243 χ^2/NDF : 930990.9/19

Left In: 306676.494 ± 235.808

χ^2/NDF : 0.0/0

diff_cav4cY_mean vs Slug



Right In: -95.850 ± 88.267 χ^2/NDF : 13.7/15

Left Out: 44.161 ± 128.262 χ^2/NDF : 3.4/1

Right Out: 82.750 ± 87.316 χ^2/NDF : 19.1/18

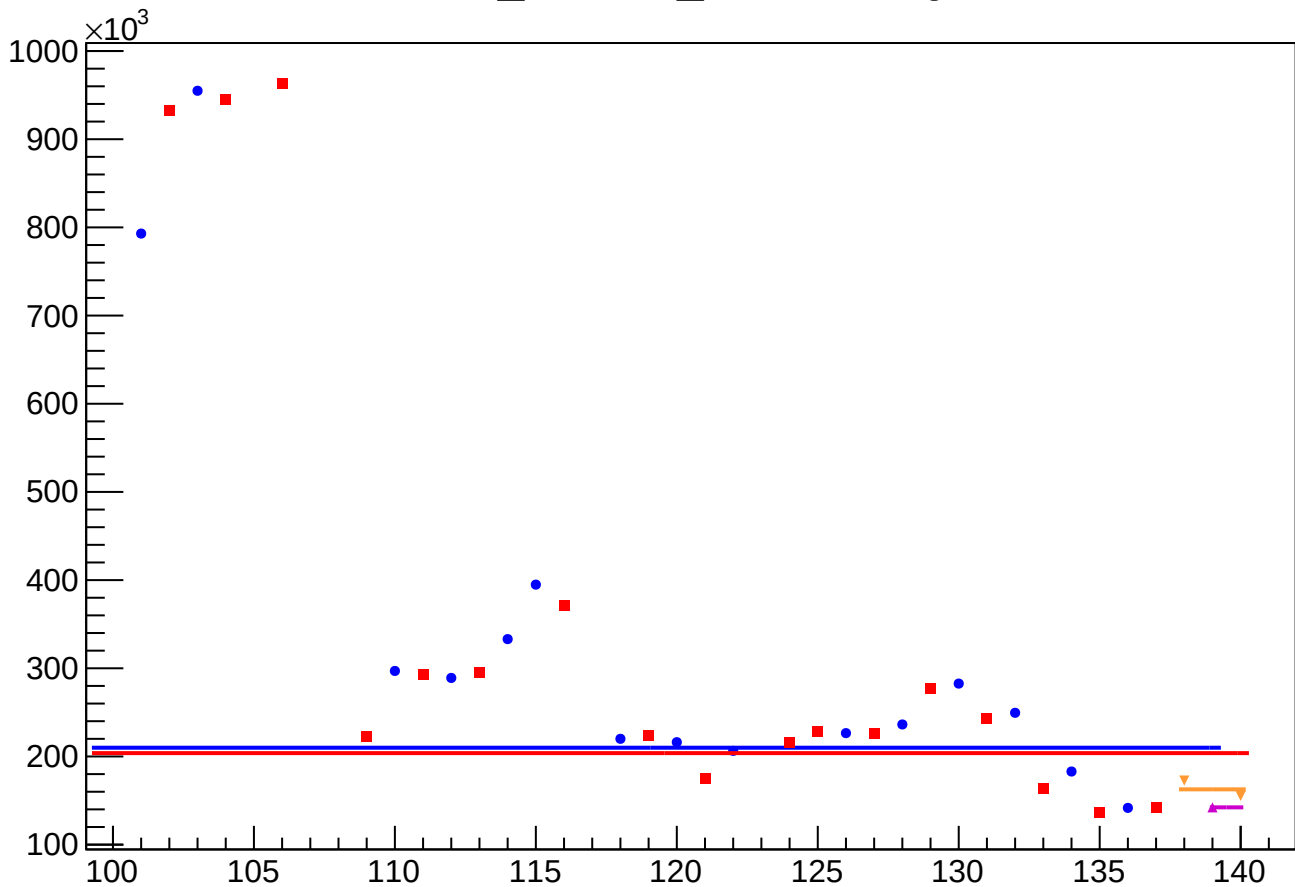
Left In: 231.092 ± 155.739 χ^2/NDF : 0.0/0

+ sign -50.853 ± 72.712 χ^2/NDF : 17.9/17

All: 29.771 ± 52.593 χ^2/NDF : 40.2/37

- sign 118.227 ± 76.162 χ^2/NDF : 19.8/19

diff_cav4cY_rms vs Slug



Right In: 209929.195 $\pm$ 62.523

χ^2/NDF : 1959897.2/14

Left Out: 162710.026 $\pm$ 90.695

χ^2/NDF : 9084.3/1

Right Out: 203793.382 $\pm$ 61.895

χ^2/NDF : 2070478.1/16

Left In: 142288.182 $\pm$ 110.124

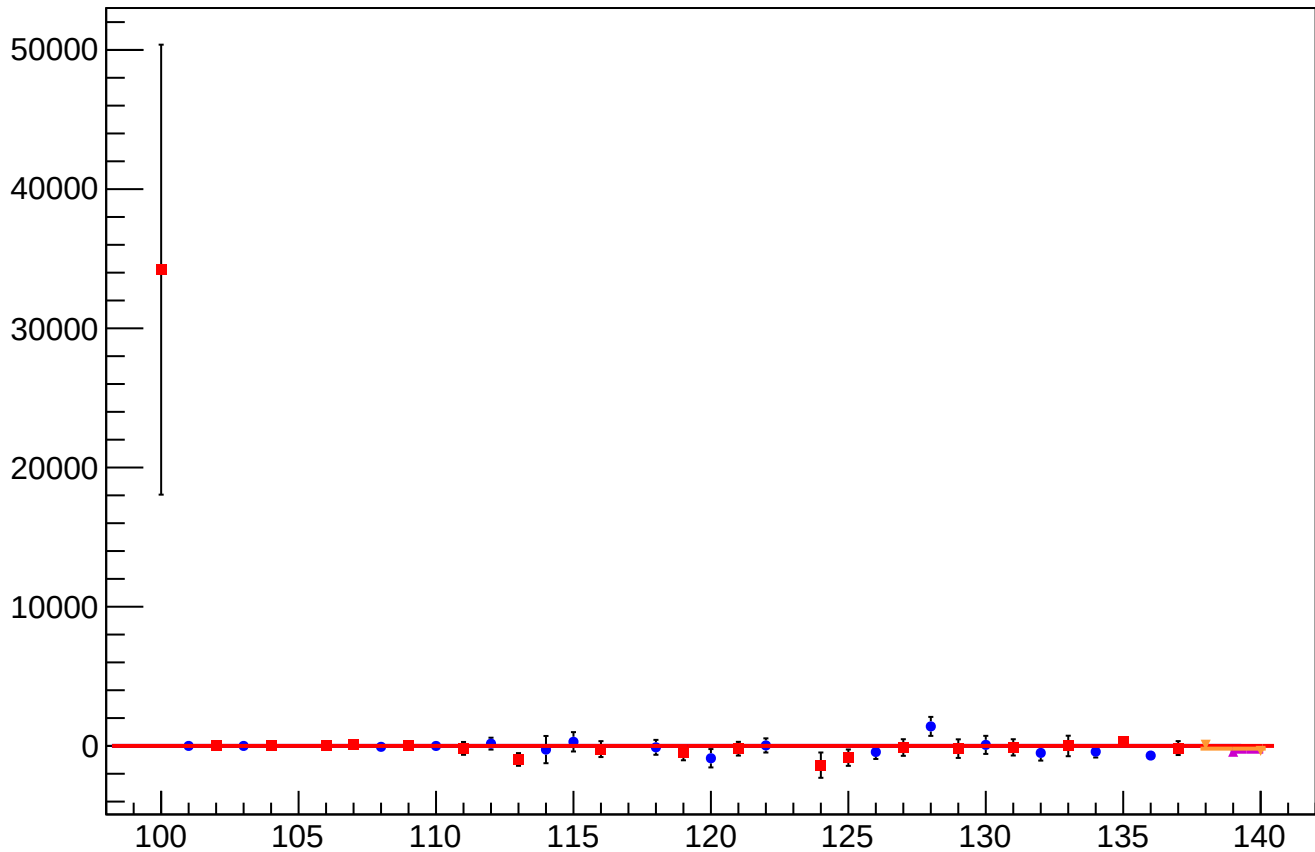
χ^2/NDF : 0.0/0

+ sign 194717.805 $\pm$ 51.476 χ^2/NDF : 2152724.8/16

All: 192006.867 $\pm$ 37.245 χ^2/NDF : 4466072.2/16

- sign 189028.409 $\pm$ 53.956 χ^2/NDF : 2307527.2/17

diff_cav4dX_mean vs Slug



Right In: -0.035 ± 0.172 χ^2/NDF : 18.1/15

Left Out: -195.587 ± 154.188 χ^2/NDF : 1.9/1

Right Out: -0.355 ± 0.160 χ^2/NDF : 16.5/18

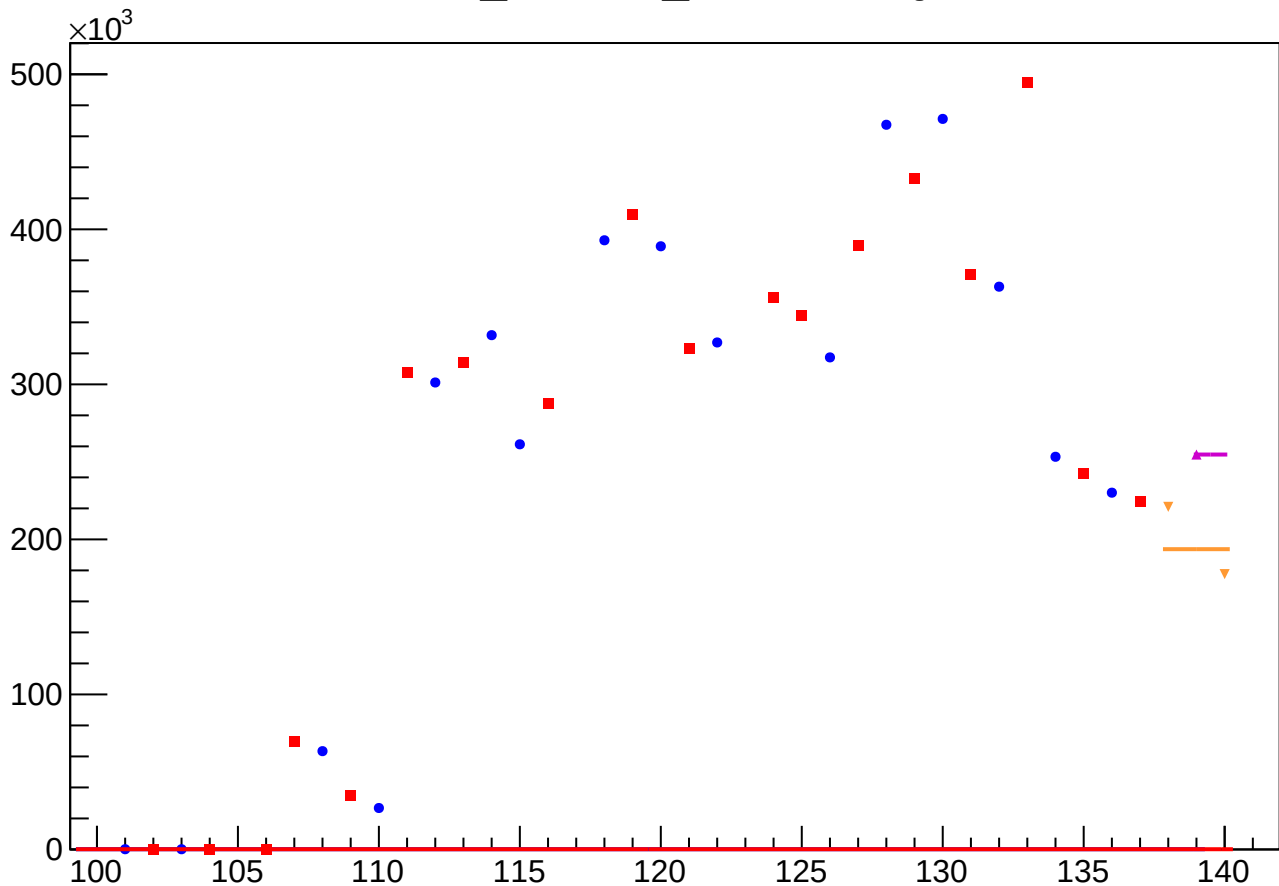
Left In: -417.846 ± 276.977 χ^2/NDF : 0.0/0

+ sign -0.035 ± 0.172 χ^2/NDF : 21.7/17

All: -0.207 ± 0.117 χ^2/NDF : 42.3/37

- sign -0.355 ± 0.160 χ^2/NDF : 18.8/19

diff_cav4dX_rms vs Slug



Right In: 149.092 $\pm$ 0.122 χ^2 /NDF: 11301940.9/15

Left Out: 193694.701 $\pm$ 109.027 χ^2 /NDF:36963.4/1

Right Out: 149.379 $\pm$ 0.113 χ^2 /NDF: 11288711.4/17

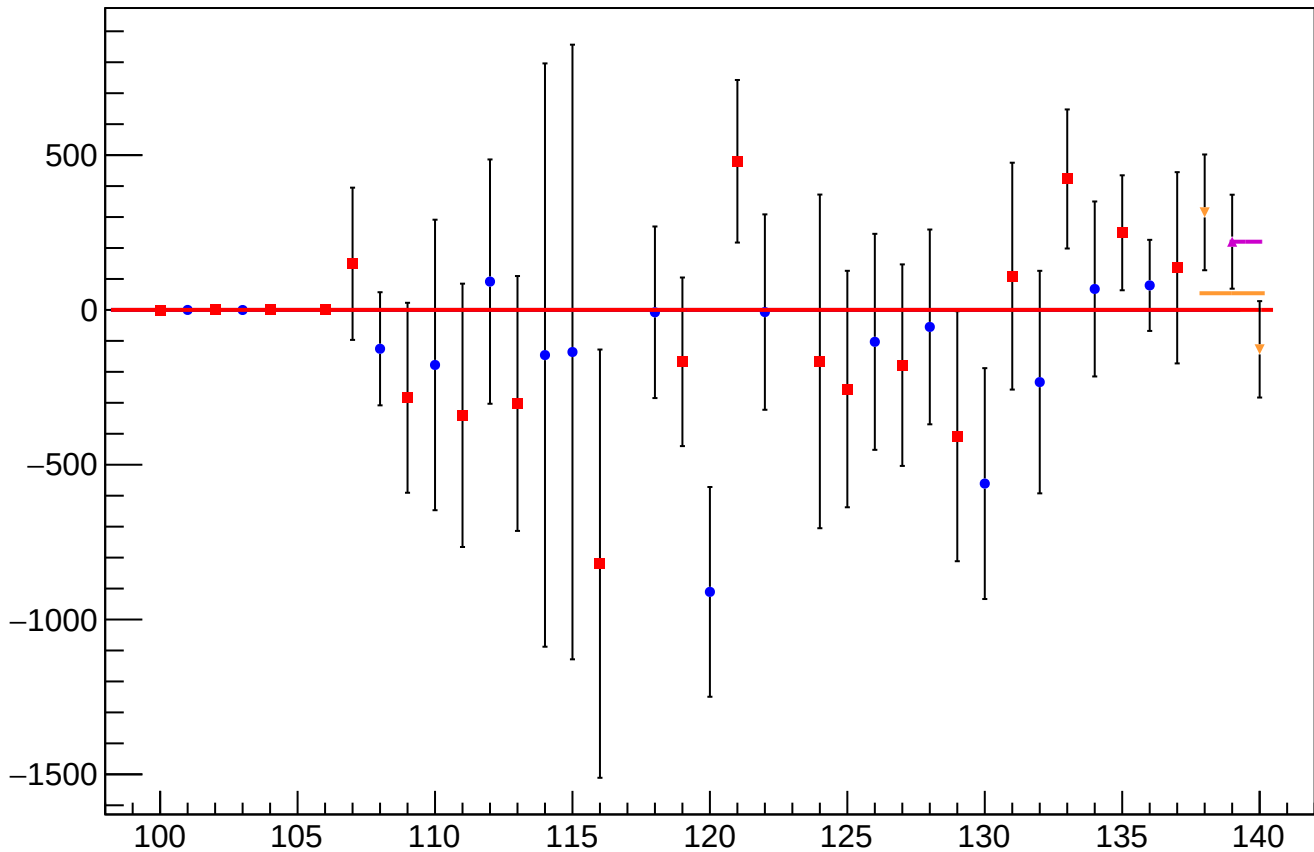
Left In: 254734.321 $\pm$ 195.852 χ^2 /NDF:0.0/0

+ sign 149.334 $\pm$ 0.122 χ^2 /NDF: 14490237.8/17

All: 149.403 $\pm$ 0.083 χ^2 /NDF: 27468644.0/30

- sign 149.464 $\pm$ 0.113 χ^2 /NDF: 12978405.6/18

diff_cav4dY_mean vs Slug



Right In: -0.068 ± 0.177 χ^2/NDF : 11.2/15

Left Out: 53.875 ± 119.645 χ^2/NDF : 3.3/1

Right Out: 0.126 ± 0.166 χ^2/NDF : 15.2/18

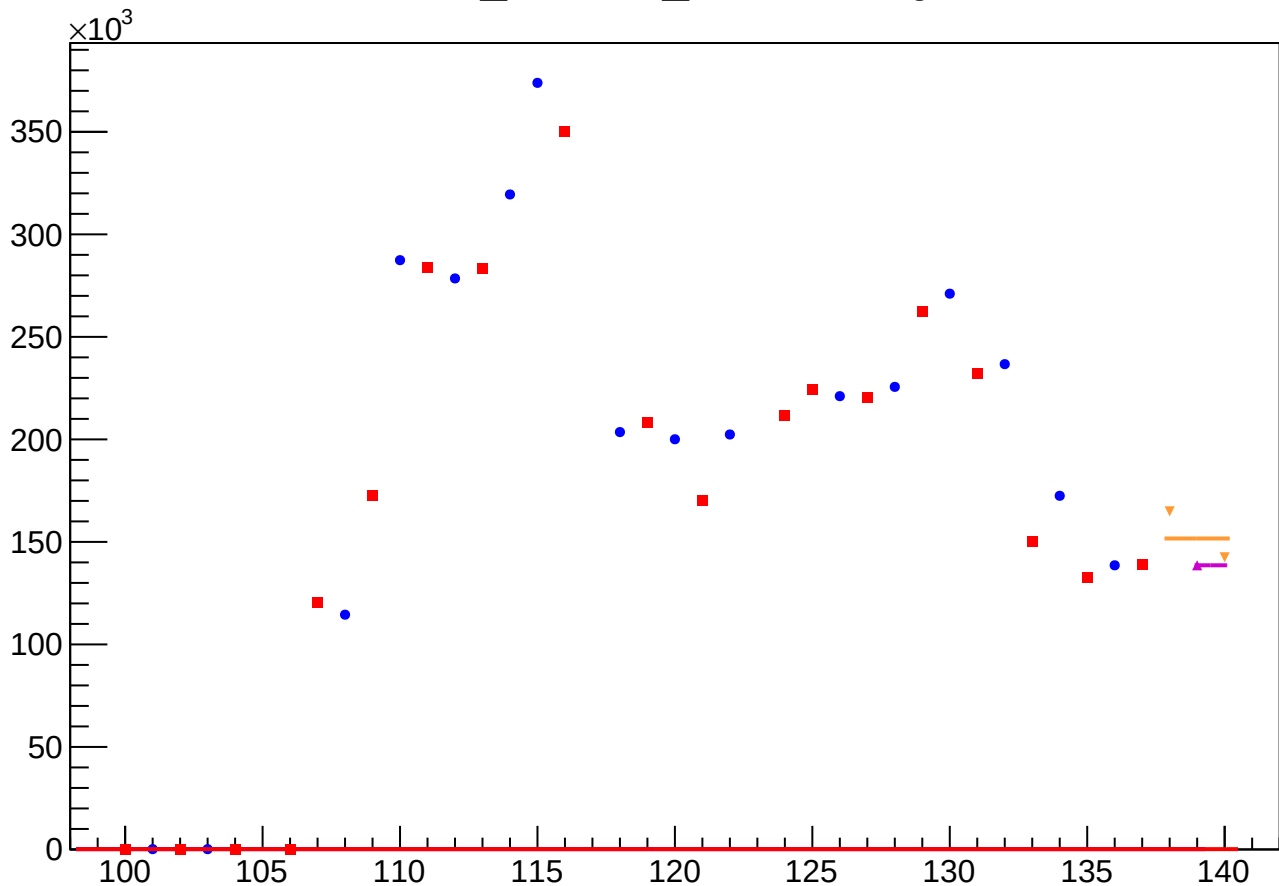
Left In: 220.345 ± 151.777 χ^2/NDF : 0.0/0

+ sign -0.068 ± 0.177 χ^2/NDF : 14.7/17

All: 0.035 ± 0.121 χ^2/NDF : 32.7/37

- sign 0.126 ± 0.166 χ^2/NDF : 17.3/19

diff_cav4dY_rms vs Slug



Right In: 153.460 $\pm$ 0.125 χ^2/NDF : 11904914.7/15

Left Out: 151661.980 $\pm$ 84.602 χ^2/NDF :16998.6/1

Right Out: 156.158 $\pm$ 0.118 χ^2/NDF : 11330885.6/18

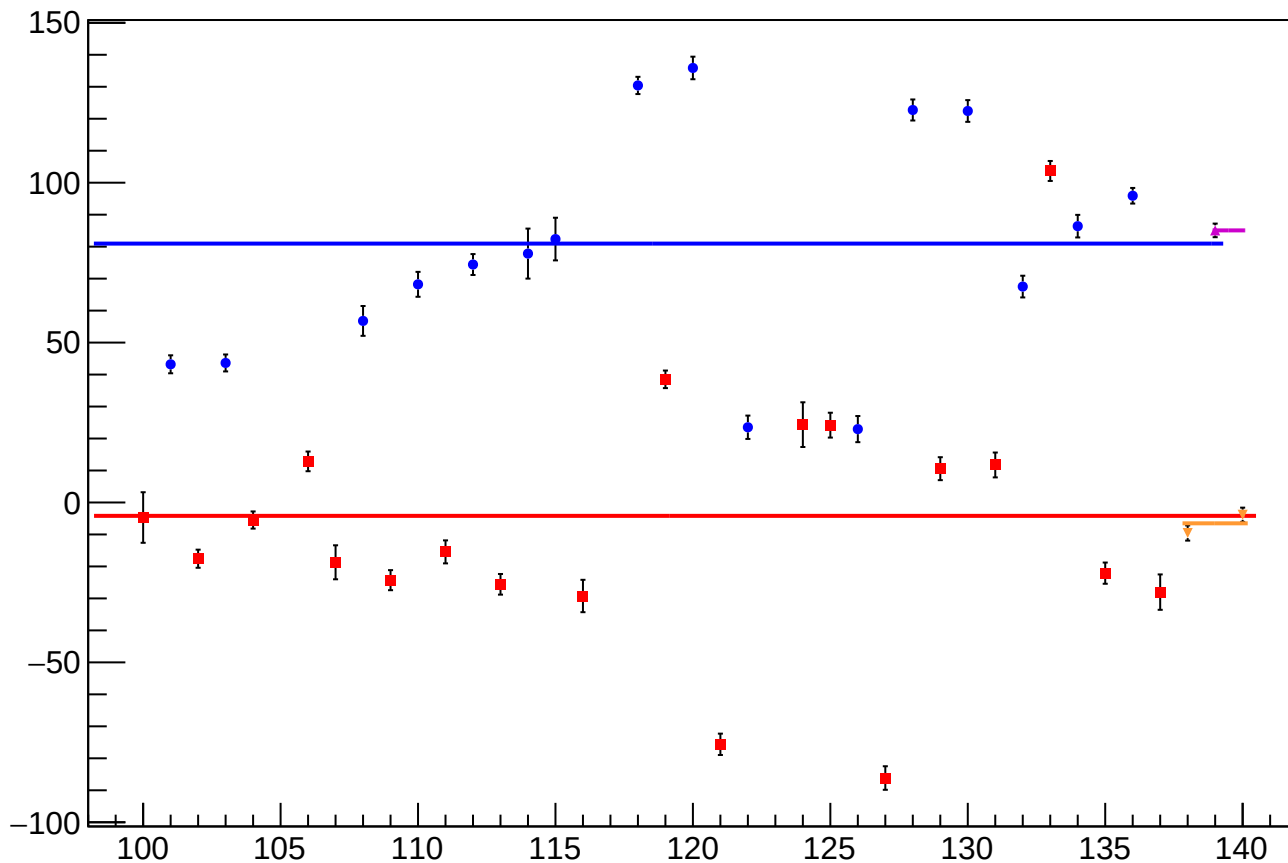
Left In: 138592.000 $\pm$ 107.322 χ^2/NDF :0.0/0

+ sign 153.792 $\pm$ 0.125 χ^2/NDF : 15129036.3/17

All: 155.137 $\pm$ 0.086 χ^2/NDF : 28123993.6/37

- sign 156.324 $\pm$ 0.118 χ^2/NDF : 12994740.5/19

diff_bpm0i01X_mean vs Slug



Right In: 80.955 ± 0.851 χ^2/NDF : 1813.9/15

Left Out: -6.520 ± 1.625 χ^2/NDF : 3.1/1

Right Out: -4.183 ± 0.820 χ^2/NDF : 2719.7/18

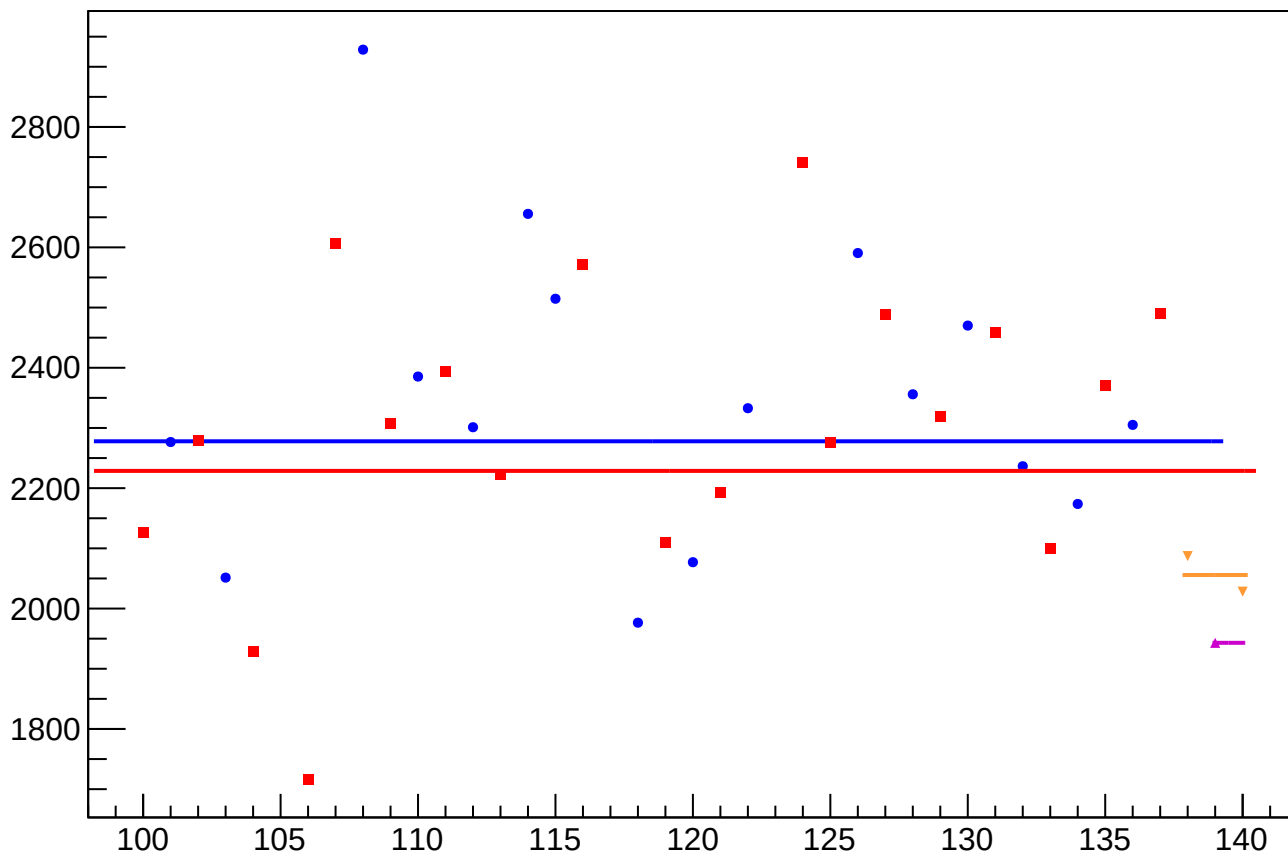
Left In: 85.083 ± 2.129 χ^2/NDF : 0.0/0

+ sign 62.106 ± 0.754 χ^2/NDF : 4091.3/17

All: 35.130 ± 0.537 χ^2/NDF : 10939.0/37

- sign 7.353 ± 0.765 χ^2/NDF : 4250.8/19

diff_bpm0i01X_rms vs Slug



Right In: 2277.867 $\pm$ 0.602 χ^2 /NDF: 115771.4/15

Left Out: 2055.728 $\pm$ 1.149 χ^2 /NDF: 659.1/1

Right Out: 2228.689 $\pm$ 0.580 χ^2 /NDF: 151135.6/18

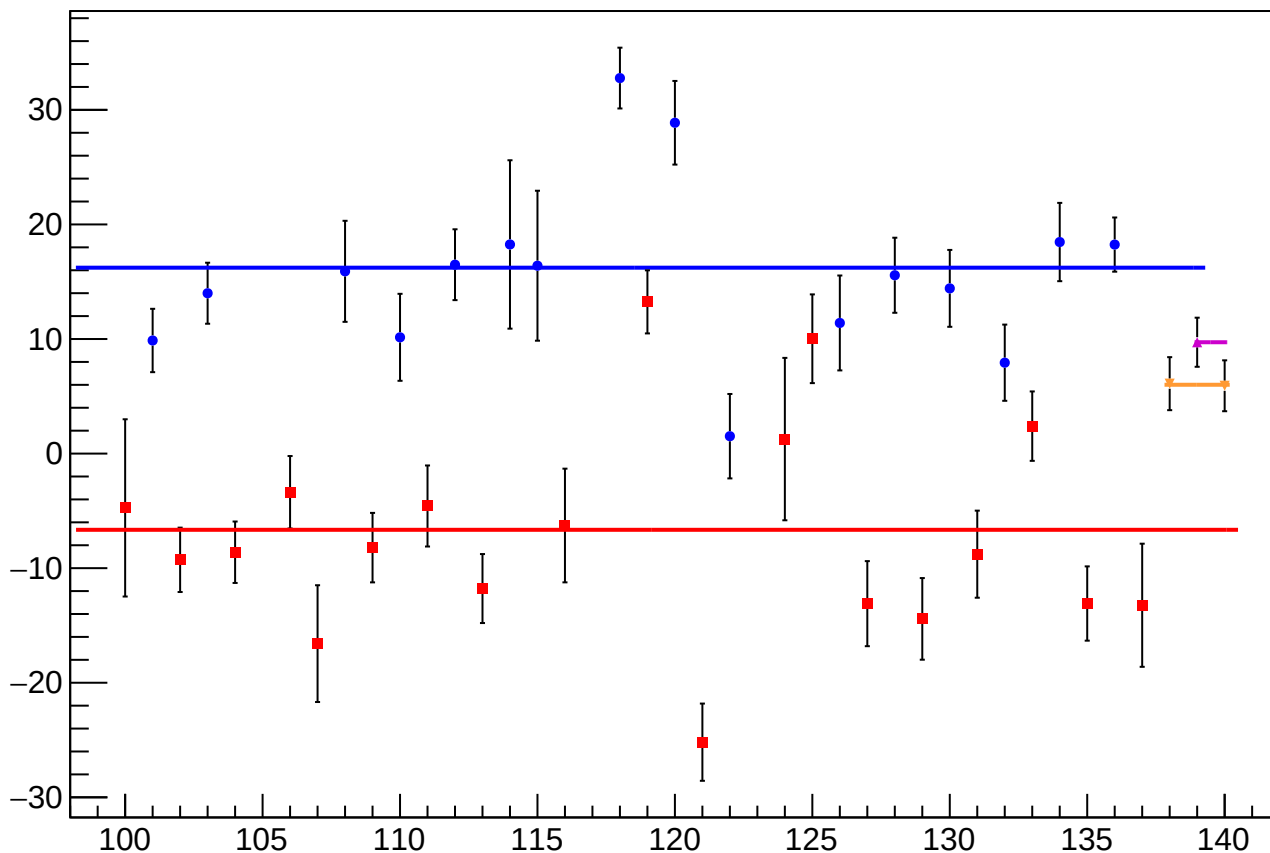
Left In: 1943.088 $\pm$ 1.505 χ^2 /NDF: 0.0/0

+ sign 2230.000 $\pm$ 0.533 χ^2 /NDF: 145764.4/17

All: 2211.170 $\pm$ 0.380 χ^2 /NDF: 330776.4/37

- sign 2191.781 $\pm$ 0.541 χ^2 /NDF: 182481.3/19

diff_bpm0i01Y_mean vs Slug



Right In: 16.226 $\pm$ 0.838 χ^2 /NDF: 84.5/15

Left Out: 6.007 $\pm$ 1.602 χ^2 /NDF: 0.0/1

Right Out: -6.652 $\pm$ 0.809 χ^2 /NDF: 134.6/18

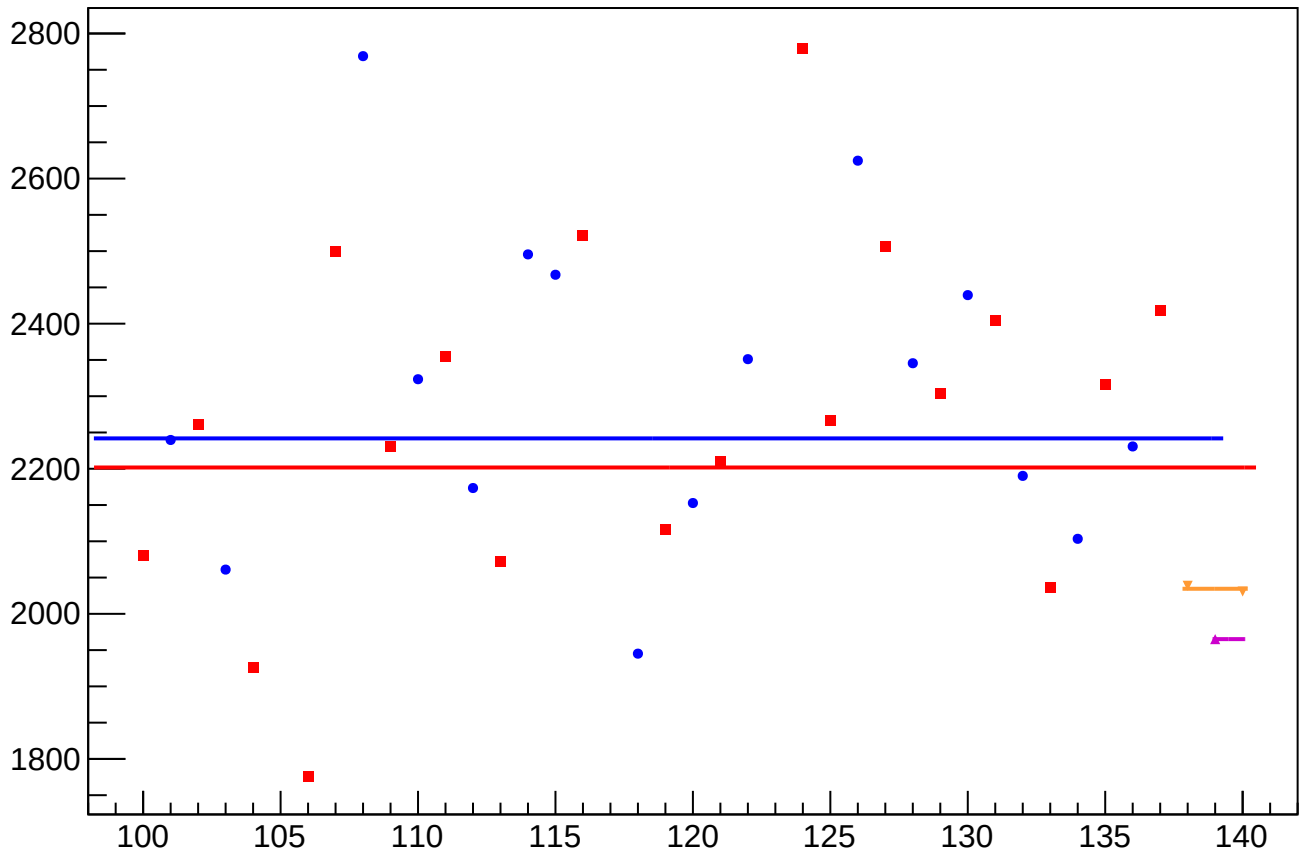
Left In: 9.718 $\pm$ 2.143 χ^2 /NDF: 0.0/0

+ sign 14.032 $\pm$ 0.742 χ^2 /NDF: 116.5/17

All: 4.896 $\pm$ 0.530 χ^2 /NDF: 611.2/37

- sign -4.609 $\pm$ 0.757 χ^2 /NDF: 185.6/19

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF : 102260.7/15

Left Out: 2034.558+/-1.133 χ^2/NDF : 12.1/1

Right Out: 2201.739+/-0.572 χ^2/NDF : 129882.5/18

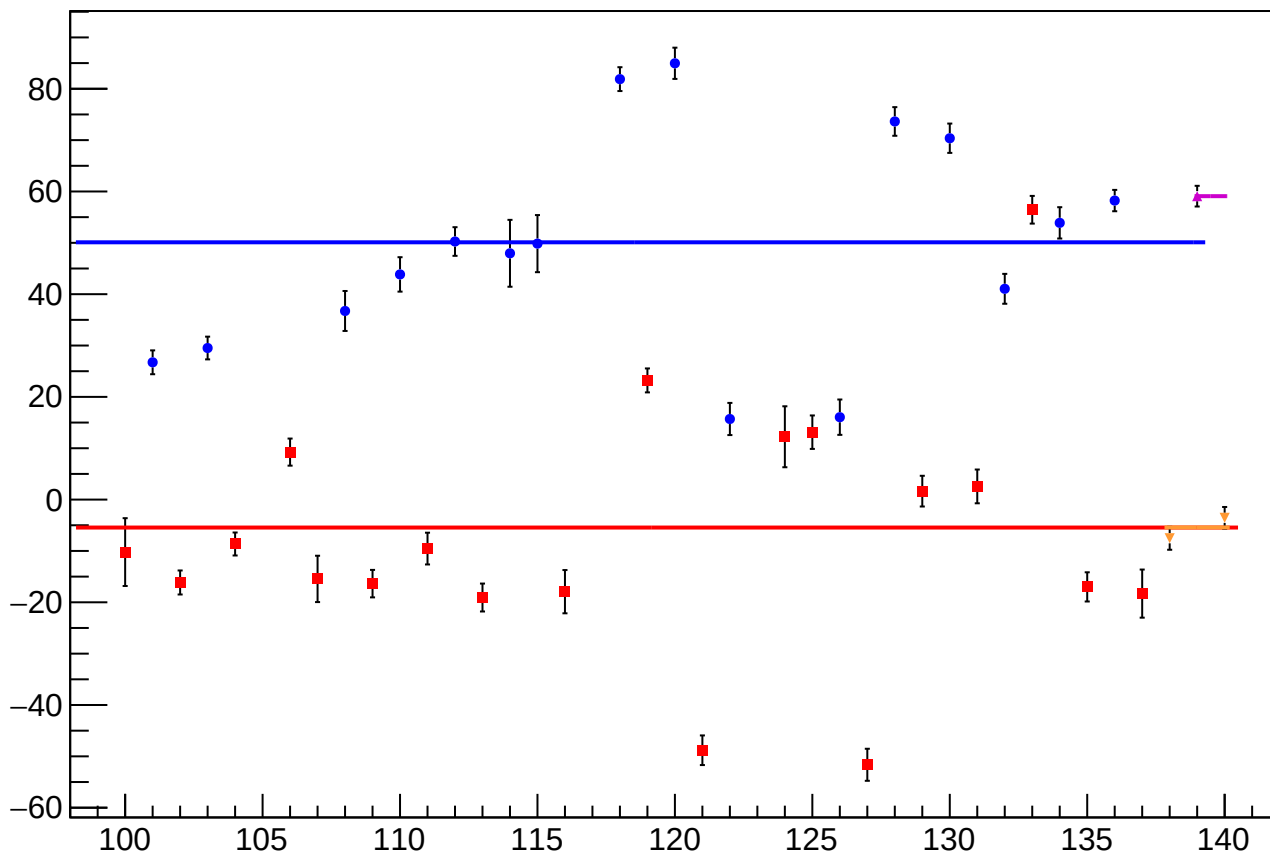
Left In: 1965.151+/-1.515 χ^2/NDF : 0.0/0

+ sign 2197.359+/-0.525 χ^2/NDF : 128566.1/17

All: 2185.031+/-0.375 χ^2/NDF : 280910.3/37

- sign 2172.206+/-0.535 χ^2/NDF : 151218.5/19

diff_bpm0i01aX_mean vs Slug



Right In: 50.102 $\pm$ 0.722 χ^2 /NDF: 888.5/15

Left Out: -5.423 $\pm$ 1.536 χ^2 /NDF:1.7/1

Right Out: -5.444 $\pm$ 0.694 χ^2 /NDF: 1311.6/18

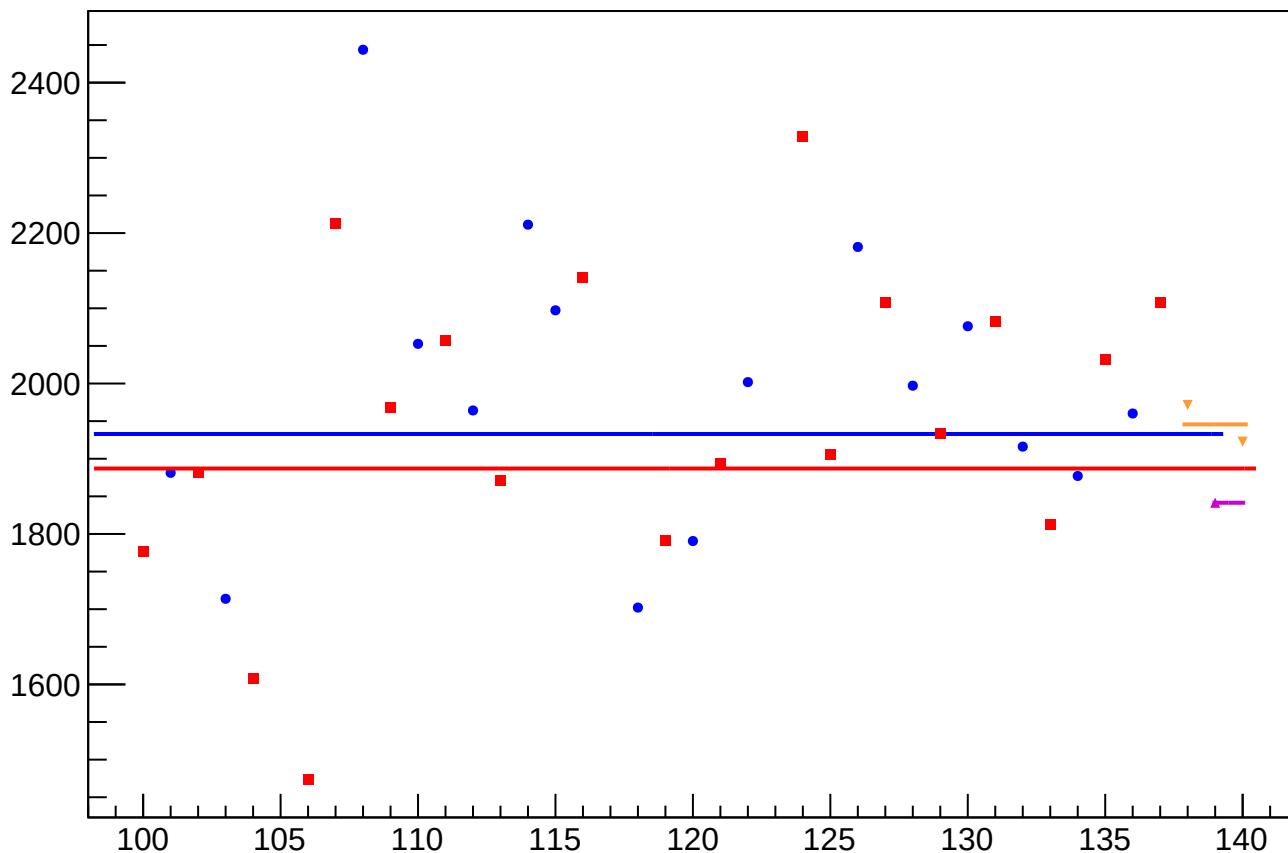
Left In: 59.088 $\pm$ 2.015 χ^2 /NDF:0.0/0

+ sign 40.056 $\pm$ 0.654 χ^2 /NDF: 1959.9/17

All: 20.814 $\pm$ 0.463 χ^2 /NDF: 5929.5/37

- sign 1.404 $\pm$ 0.656 χ^2 /NDF: 2228.3/19

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF : 105967.6/15

Left Out: 1945.648+/-1.086 χ^2/NDF : 502.2/1

Right Out: 1887.006+/-0.491 χ^2/NDF : 149746.6/18

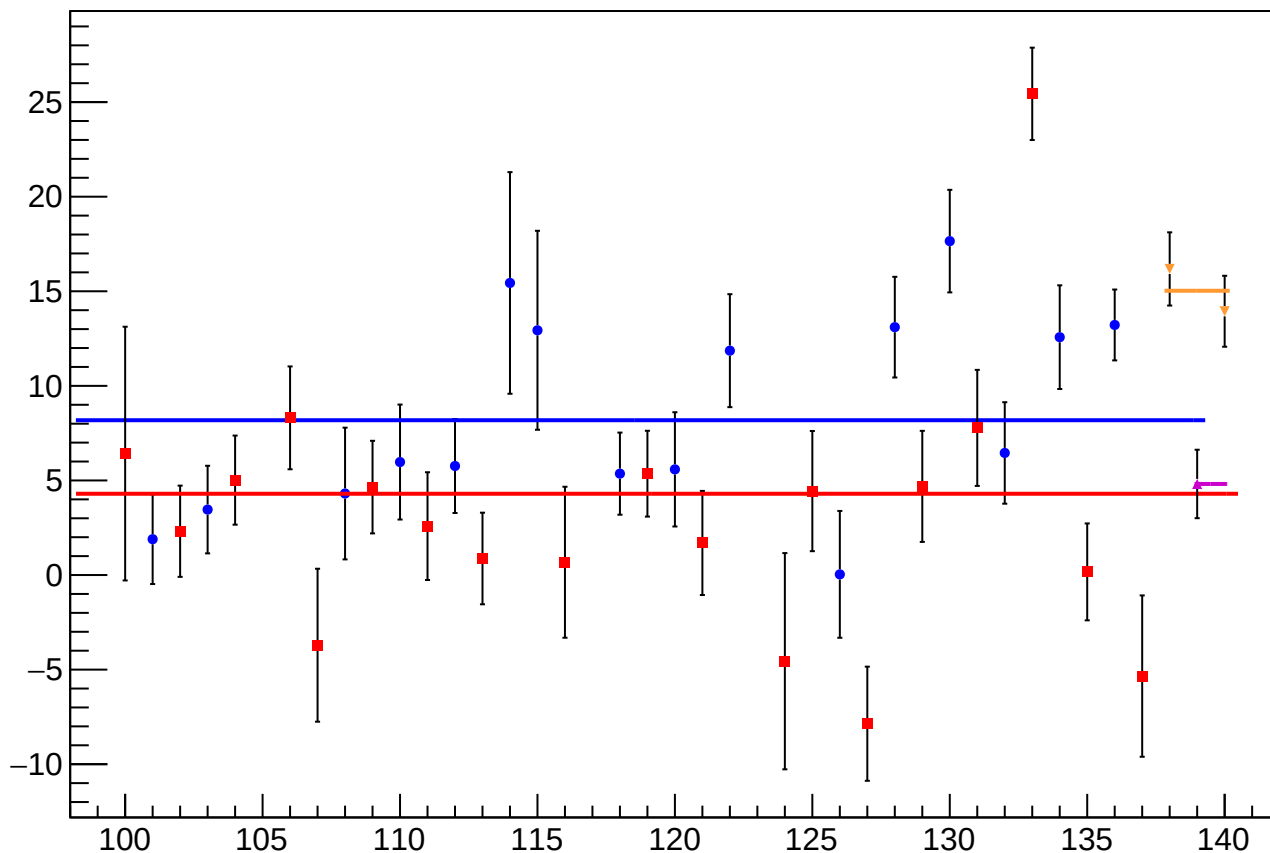
Left In: 1841.495+/-1.425 χ^2/NDF : 0.0/0

+ sign 1935.210+/-0.462 χ^2/NDF : 106582.5/17

All: 1908.809+/-0.327 χ^2/NDF : 263797.3/37

- sign 1882.176+/-0.464 χ^2/NDF : 150658.5/19

diff_bpm0i01aY_mean vs Slug



Right In: 8.183 ± 0.684 χ^2/NDF : 52.0/15

Left Out: 15.027 ± 1.347 χ^2/NDF : 0.7/1

Right Out: 4.297 ± 0.665 χ^2/NDF : 114.0/18

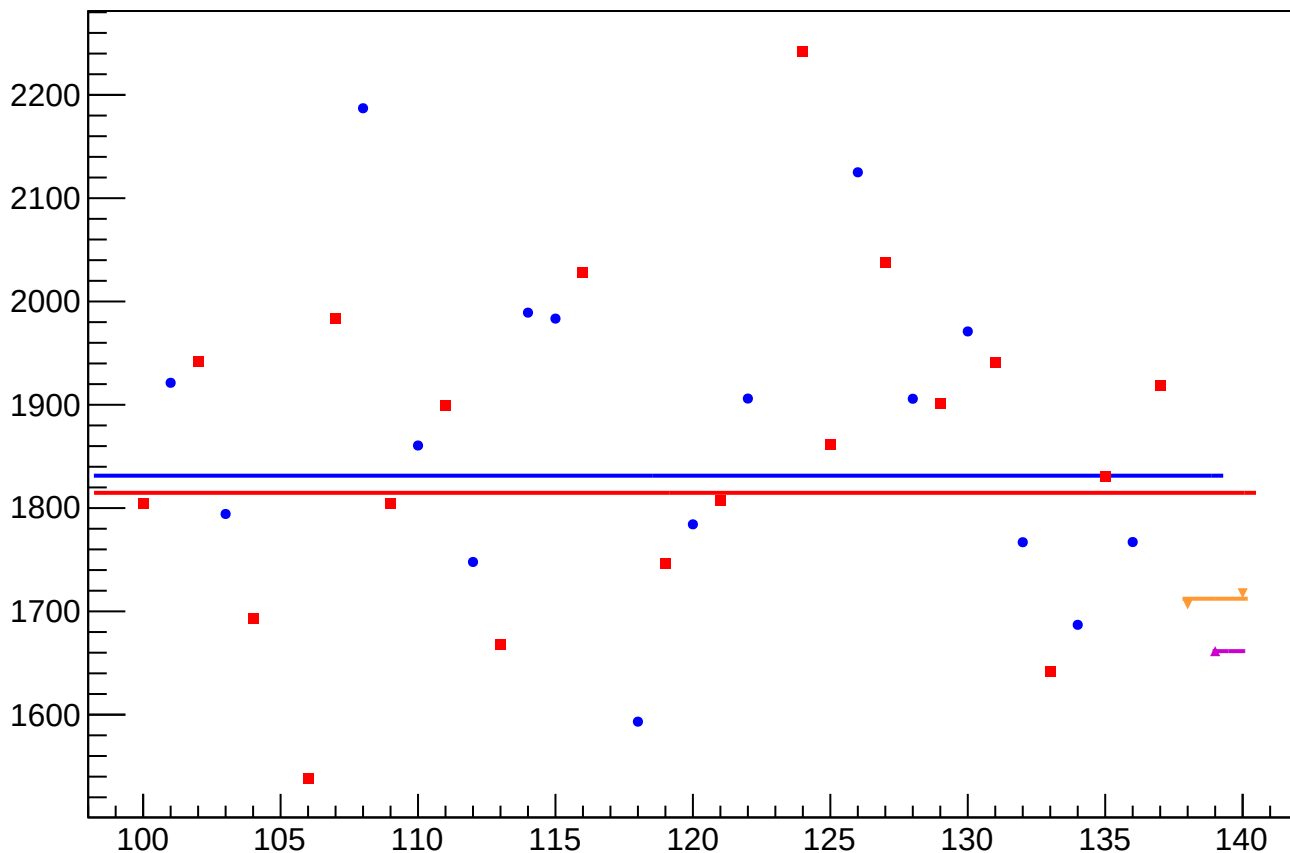
Left In: 4.814 ± 1.809 χ^2/NDF : 0.0/0

+ sign 9.585 ± 0.610 χ^2/NDF : 73.2/17

All: 7.035 ± 0.436 χ^2/NDF : 223.1/37

- sign 4.358 ± 0.625 χ^2/NDF : 114.0/19

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359 $\pm$ 0.483 χ^2 /NDF: 86919.2/15

Left Out: 1712.274 $\pm$ 0.952 χ^2 /NDF:32.0/1

Right Out: 1814.774 $\pm$ 0.471 χ^2 /NDF: 90738.7/18

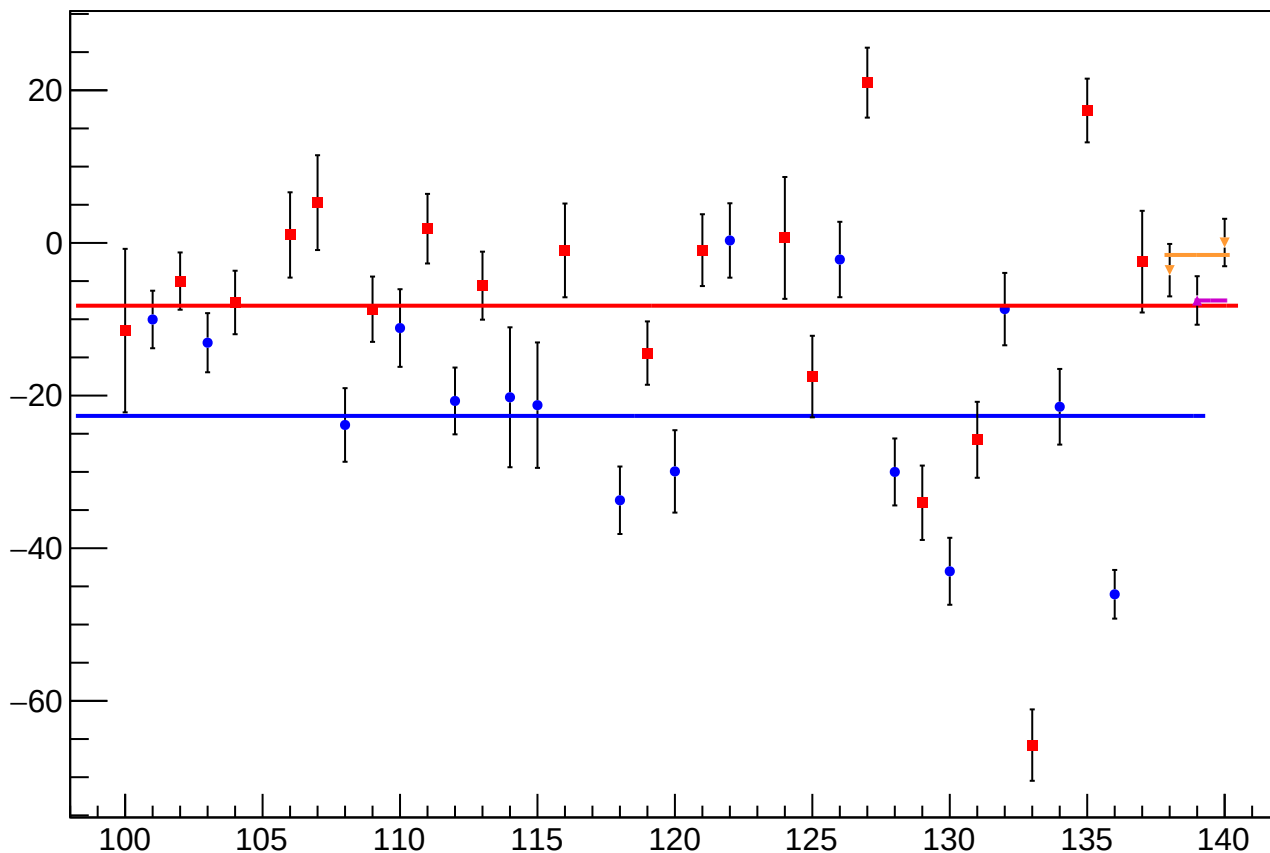
Left In: 1661.511 $\pm$ 1.279 χ^2 /NDF:0.0/0

+ sign 1806.968 $\pm$ 0.431 χ^2 /NDF: 99384.0/17

All: 1801.868 $\pm$ 0.308 χ^2 /NDF: 203049.1/37

- sign 1796.513 $\pm$ 0.442 χ^2 /NDF: 103378.1/19

diff_bpm0l01X_mean vs Slug



Right In: -22.663 ± 1.152 χ^2/NDF : 157.2/15

Left Out: -1.576 ± 2.304 χ^2/NDF : 0.6/1

Right Out: -8.224 ± 1.129 χ^2/NDF : 294.8/18

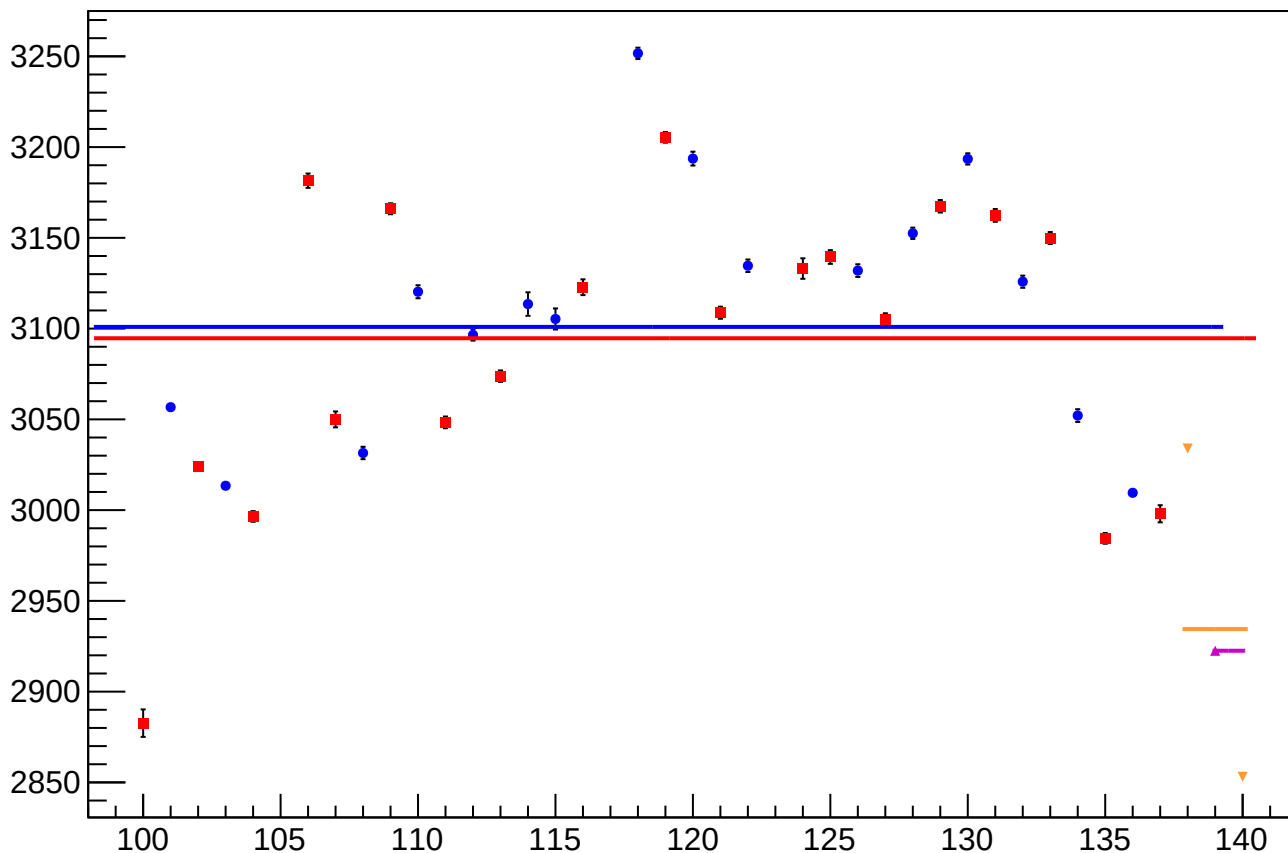
Left In: -7.539 ± 3.178 χ^2/NDF : 0.0/0

+ sign -18.446 ± 1.030 χ^2/NDF : 224.8/17

All: -13.461 ± 0.740 χ^2/NDF : 568.0/37

- sign -8.147 ± 1.064 χ^2/NDF : 294.9/19

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF : 7893.7/15

Left Out: 2934.468+/-1.629 χ^2/NDF : 3049.1/1

Right Out: 3094.688+/-0.798 χ^2/NDF : 8584.4/18

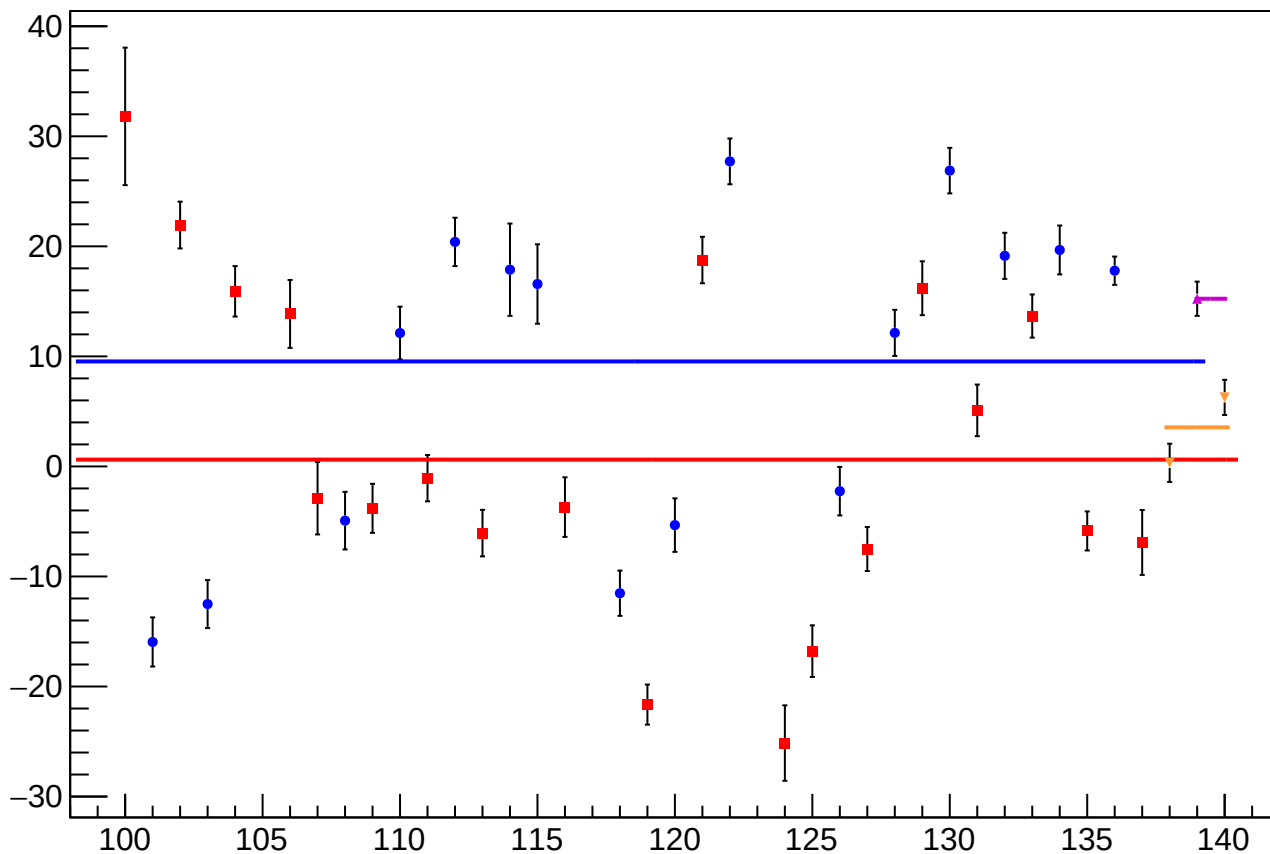
Left In: 2922.534+/-2.247 χ^2/NDF : 0.0/0

+ sign 3067.655+/-0.729 χ^2/NDF : 19294.3/17

All: 3071.404+/-0.523 χ^2/NDF : 33145.7/37

- sign 3075.399+/-0.752 χ^2/NDF : 13796.7/19

diff_bpm0l01Y_mean vs Slug



Right In: 9.540 $\pm$ 0.541 χ^2 /NDF: 698.7/15

Left Out: 3.550 $\pm$ 1.176 χ^2 /NDF: 6.3/1

Right Out: 0.620 $\pm$ 0.534 χ^2 /NDF: 665.8/18

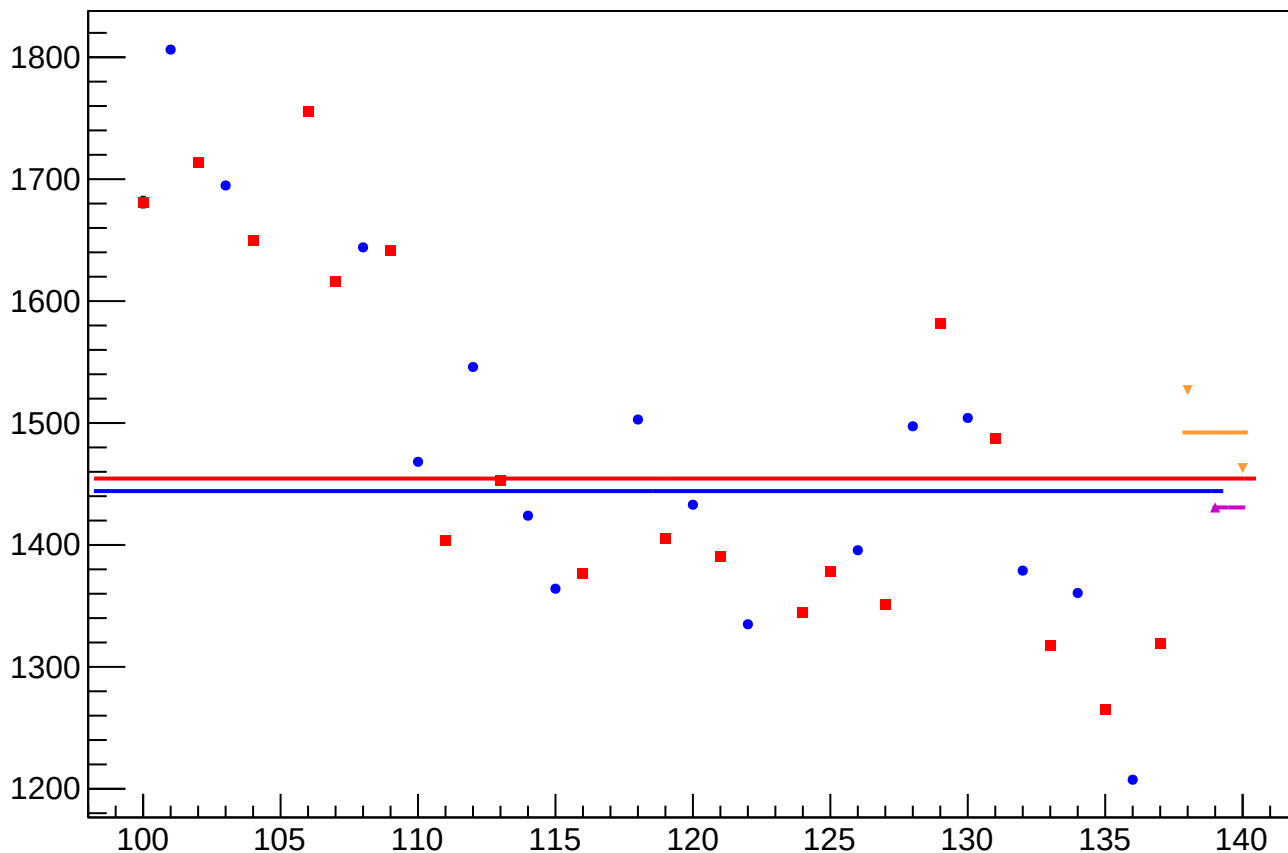
Left In: 15.237 $\pm$ 1.557 χ^2 /NDF: 0.0/0

+ sign 8.493 $\pm$ 0.492 χ^2 /NDF: 726.5/17

All: 5.412 $\pm$ 0.352 χ^2 /NDF: 1551.9/37

- sign 2.159 $\pm$ 0.505 χ^2 /NDF: 744.7/19

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188 $\pm$ 0.383 χ^2 /NDF: 180147.9/15

Left Out: 1492.284 $\pm$ 0.832 χ^2 /NDF:1466.8/1

Right Out: 1454.470 $\pm$ 0.378 χ^2 /NDF: 142772.9/18

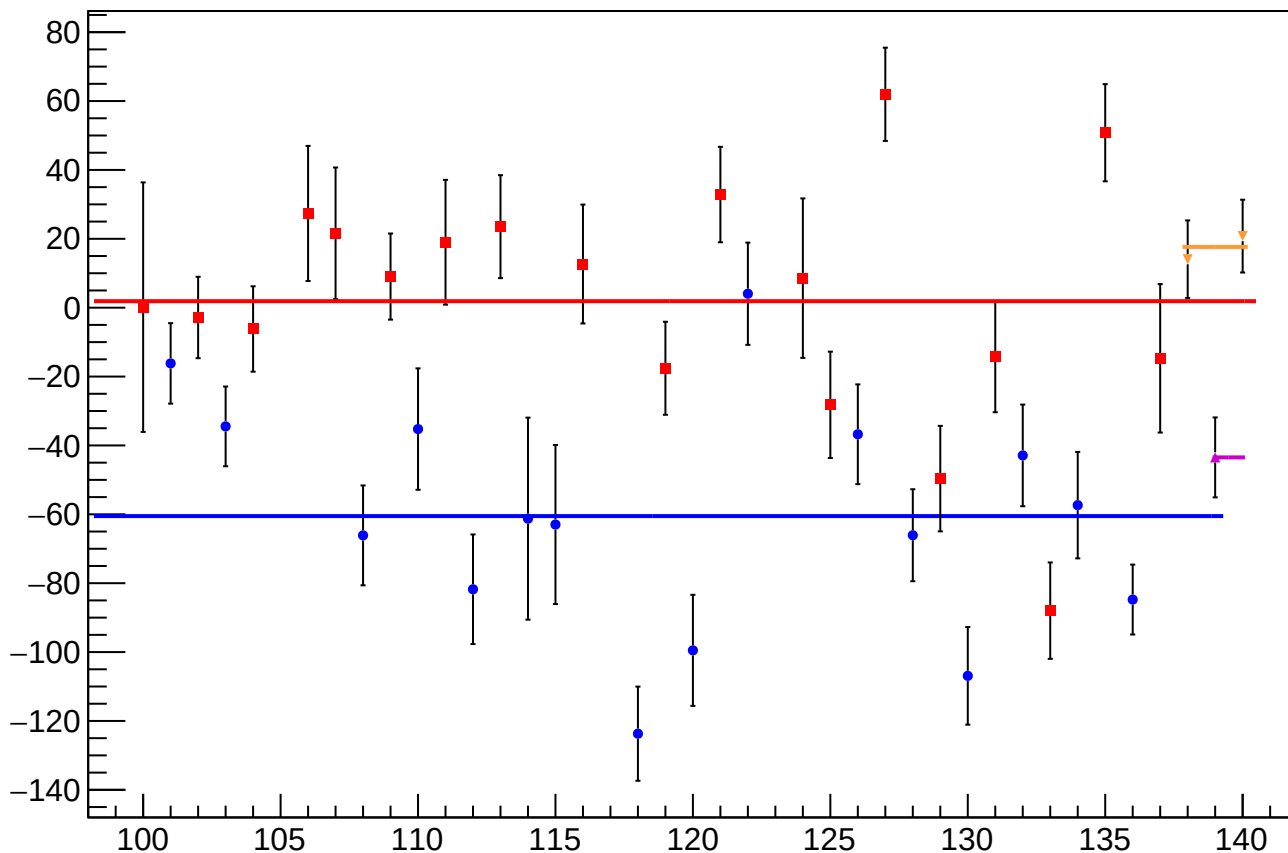
Left In: 1430.766 $\pm$ 1.101 χ^2 /NDF:0.0/0

+ sign 1452.597 $\pm$ 0.348 χ^2 /NDF: 184375.5/17

All: 1452.294 $\pm$ 0.249 χ^2 /NDF: 327564.9/37

- sign 1451.974 $\pm$ 0.357 χ^2 /NDF: 143187.9/19

diff_bpm0l02X_mean vs Slug



Right In: -60.516 ± 3.596 χ^2/NDF : 90.3/15

Left Out: 17.646 ± 7.710 χ^2/NDF : 0.2/1

Right Out: 1.894 ± 3.543 χ^2/NDF : 103.8/18

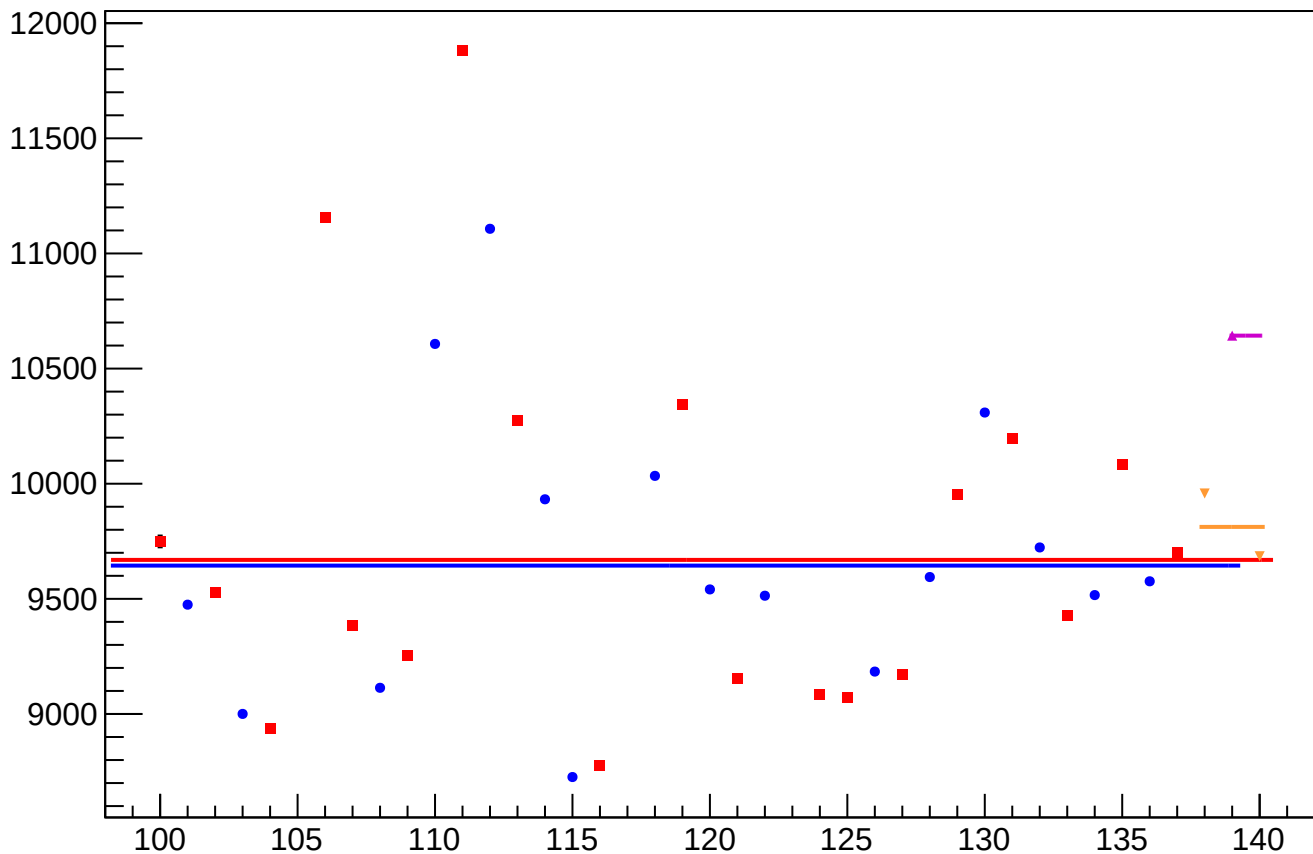
Left In: -43.472 ± 11.607 χ^2/NDF : 0.0/0

+ sign -46.549 ± 3.259 χ^2/NDF : 174.9/17

All: -25.128 ± 2.349 χ^2/NDF : 382.6/37

- sign -1.973 ± 3.388 χ^2/NDF : 117.8/19

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF : 44101.6/15

Left Out: 9812.453+/-5.452 χ^2/NDF : 622.5/1

Right Out: 9669.136+/-2.505 χ^2/NDF : 79878.1/18

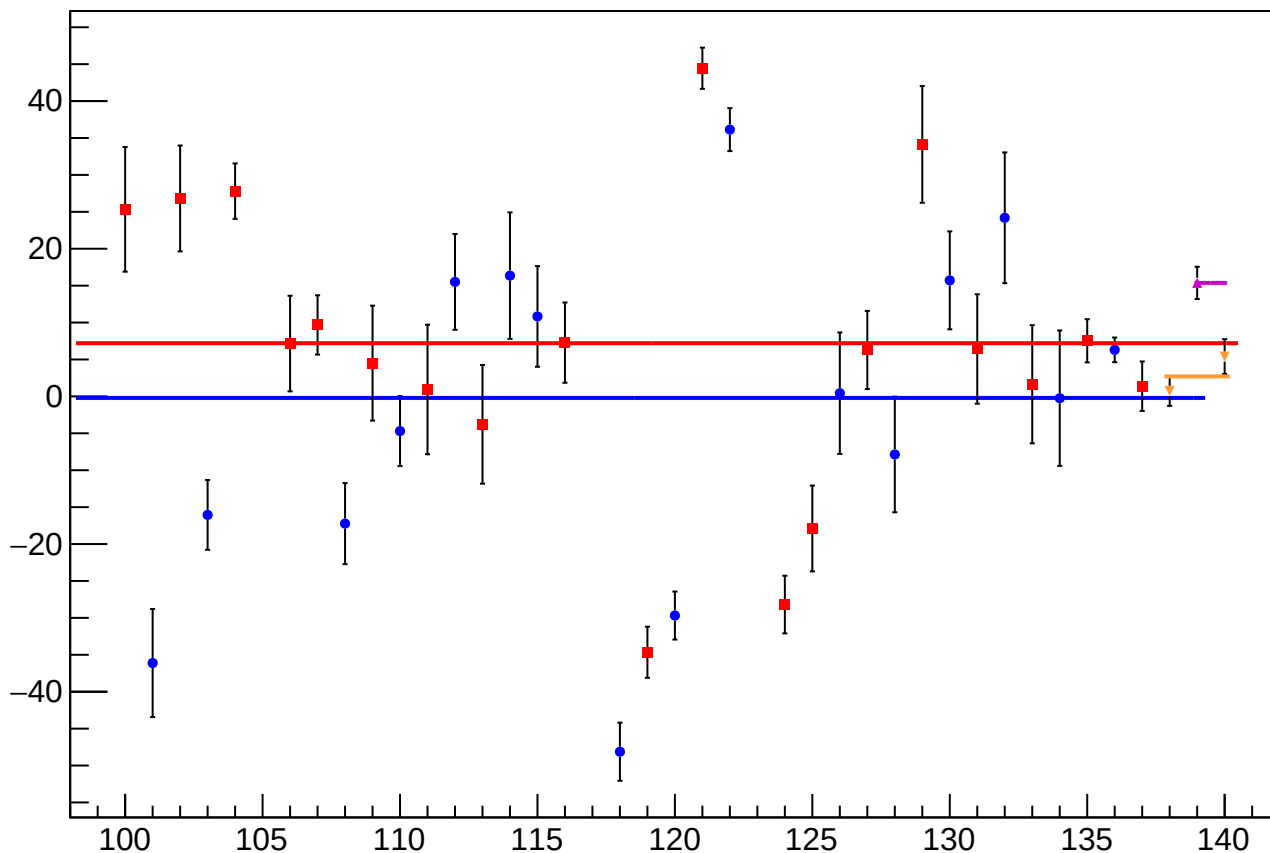
Left In: 10643.094+/-8.207 χ^2/NDF : 0.0/0

+ sign 9674.427+/-2.305 χ^2/NDF : 45504.5/17

All: 9711.774+/-1.661 χ^2/NDF : 138811.5/37

- sign 9752.145+/-2.396 χ^2/NDF : 92760.4/19

diff_bpm0l02Y_mean vs Slug



Right In: -0.206 ± 1.045 χ^2/NDF : 473.7/15

Left Out: 2.706 ± 1.538 χ^2/NDF : 2.2/1

Right Out: 7.206 ± 1.074 χ^2/NDF : 485.6/18

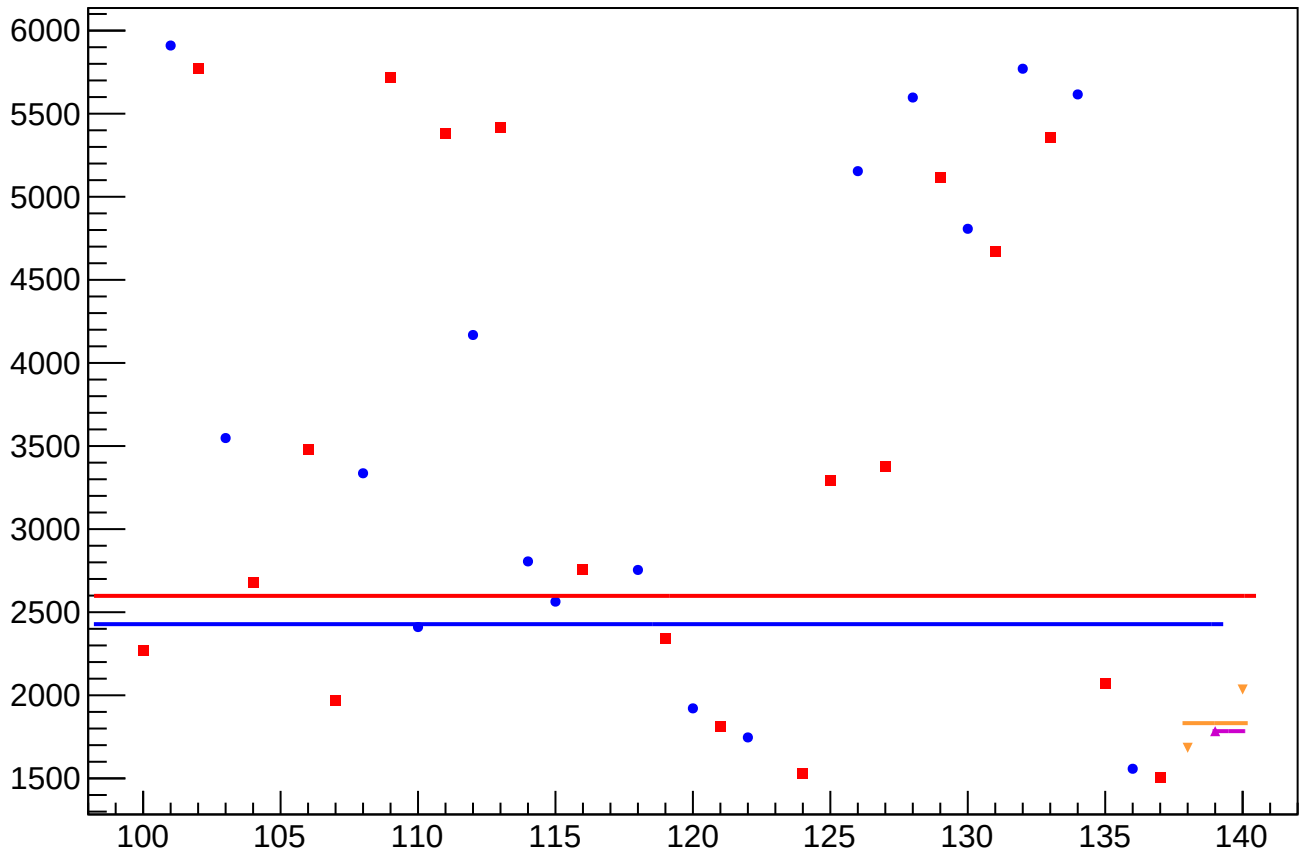
Left In: 15.377 ± 2.184 χ^2/NDF : 0.0/0

+ sign 0.714 ± 0.865 χ^2/NDF : 478.4/17

All: 4.319 ± 0.643 χ^2/NDF : 1014.3/37

- sign 8.796 ± 0.964 χ^2/NDF : 496.9/19

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF : 2815335.2/15

Left Out: 1832.401+/-1.088 χ^2/NDF : 25377.8/1

Right Out: 2598.321+/-0.759 χ^2/NDF : 2514932.7/18

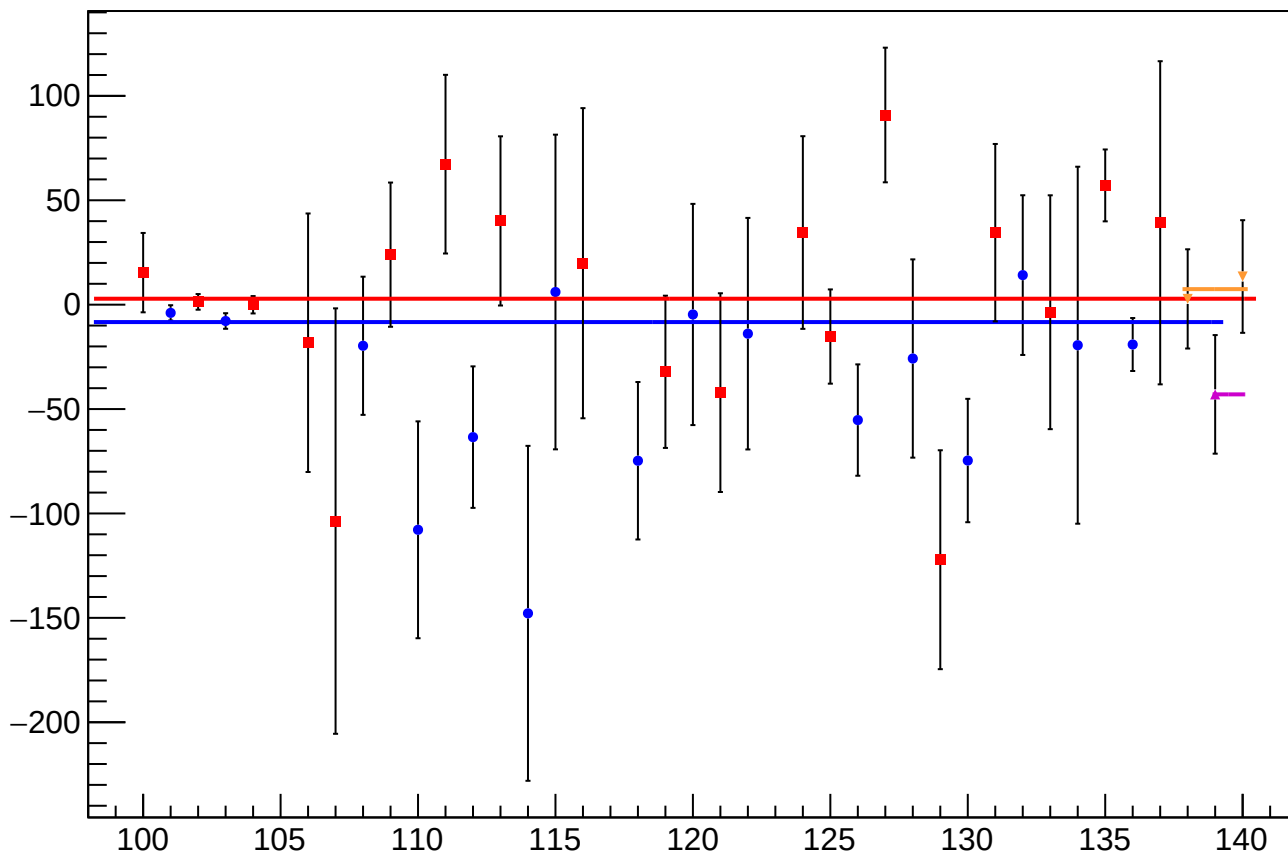
Left In: 1784.255+/-1.544 χ^2/NDF : 0.0/0

+ sign 2239.875+/-0.611 χ^2/NDF : 3045898.6/17

All: 2329.091+/-0.455 χ^2/NDF : 5832357.5/37

- sign 2439.890+/-0.681 χ^2/NDF : 2738714.8/19

diff_bpm0l03X_mean vs Slug



Right In: -8.332 ± 2.499 χ^2/NDF : 23.4/15

Left Out: 7.447 ± 17.832 χ^2/NDF : 0.1/1

Right Out: 2.848 ± 2.640 χ^2/NDF : 32.6/18

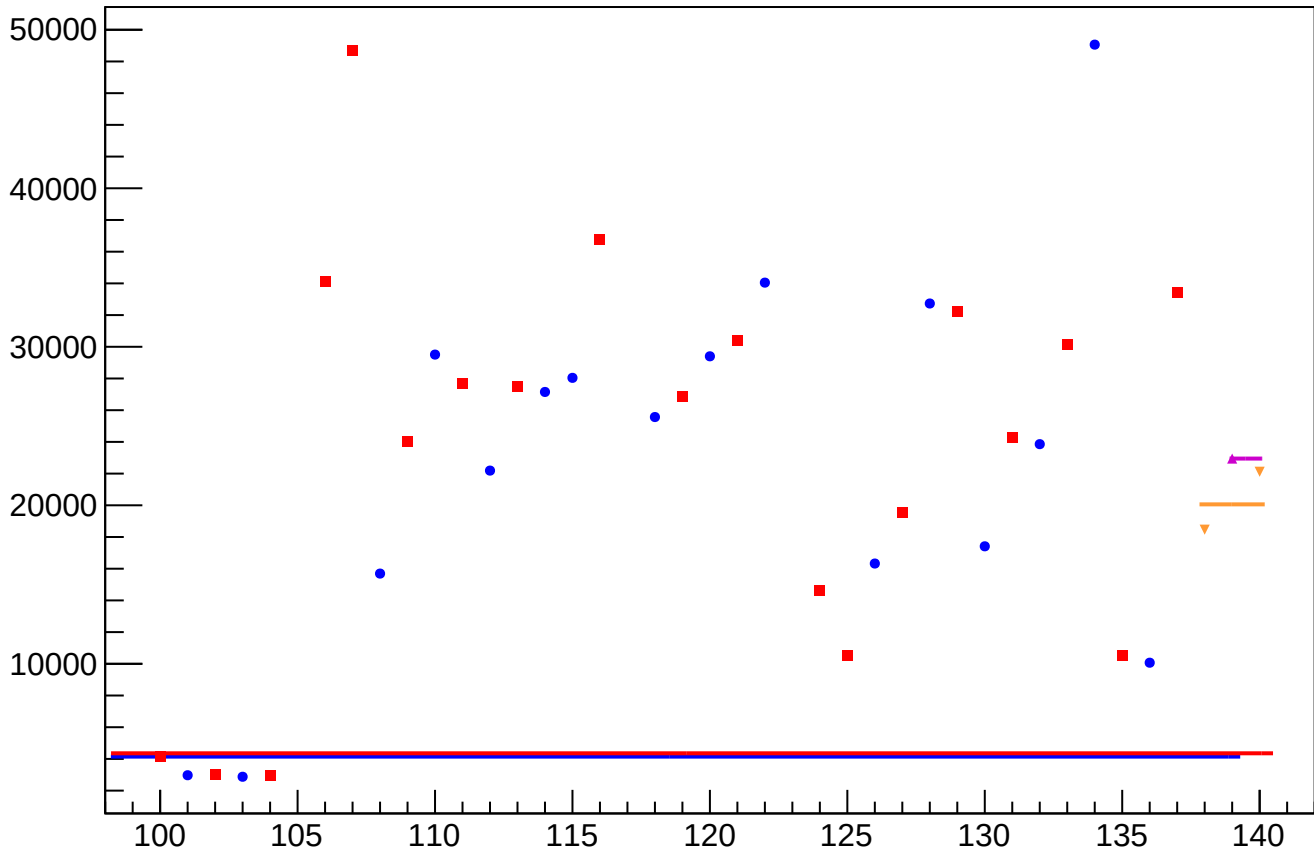
Left In: -42.964 ± 28.400 χ^2/NDF : 0.0/0

+ sign -8.028 ± 2.475 χ^2/NDF : 24.3/17

All: -3.101 ± 1.802 χ^2/NDF : 67.9/37

- sign 2.456 ± 2.628 χ^2/NDF : 35.2/19

diff_bpm0l03X_rms vs Slug



Right In: 4145.795 ± 1.767 $\chi^2/\text{NDF}: 6836950.5/15$

Left Out: 20059.017 ± 12.609 $\chi^2/\text{NDF}: 20664.8/1$

Right Out: 4354.437 ± 1.866 $\chi^2/\text{NDF}: 7624762.5/18$

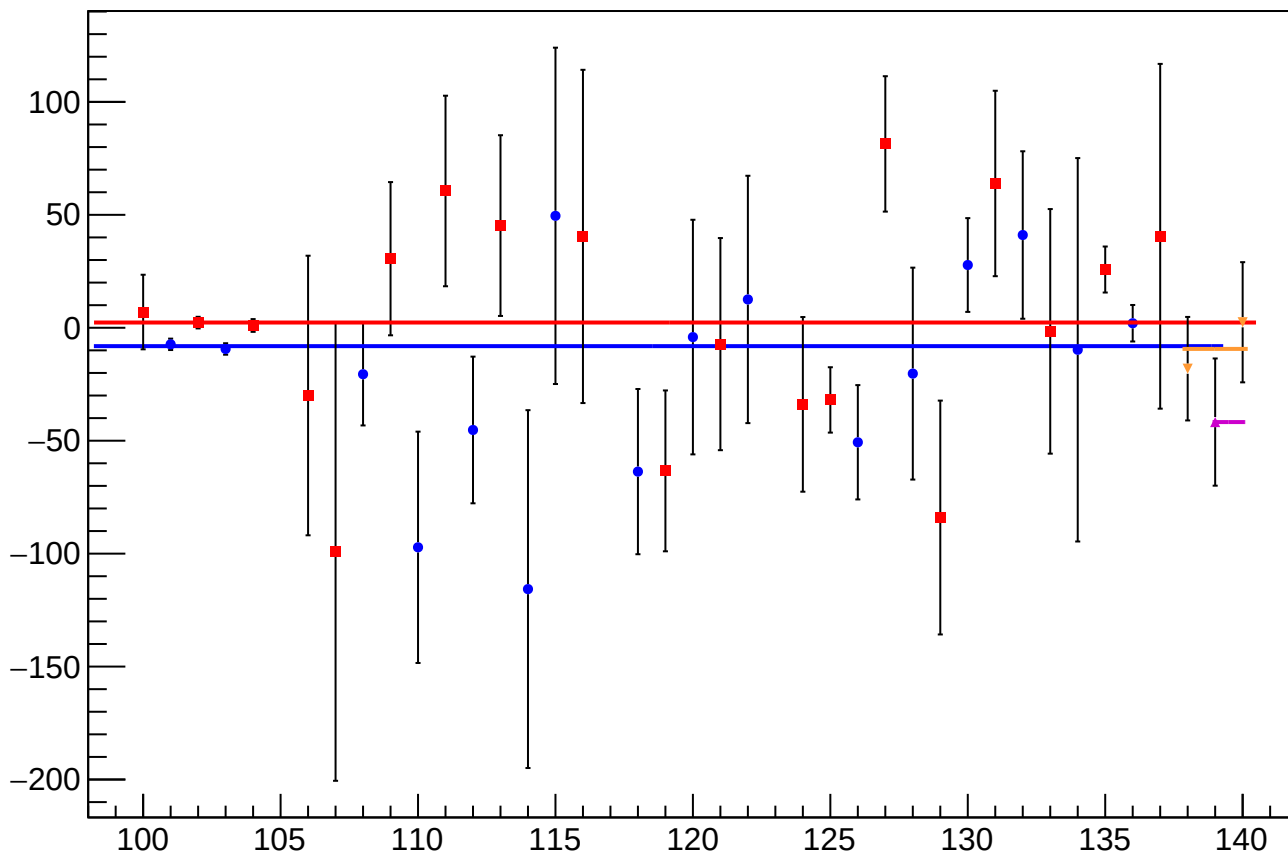
Left In: 22947.851 ± 20.082 $\chi^2/\text{NDF}: 0.0/0$

+ sign 4452.381 ± 1.750 $\chi^2/\text{NDF}: 8419606.4/17$

All: 4481.192 ± 1.274 $\chi^2/\text{NDF}: 16894854.9/3$

- sign 4513.675 ± 1.858 $\chi^2/\text{NDF}: 8474672.0/19$

diff_bpm0l03Y_mean vs Slug



Right In: -8.132 $\pm$ 1.720 χ^2 /NDF: 19.1/15

Left Out: -9.358 $\pm$ 17.361 χ^2 /NDF: 0.3/1

Right Out: 2.325 $\pm$ 1.822 χ^2 /NDF: 33.1/18

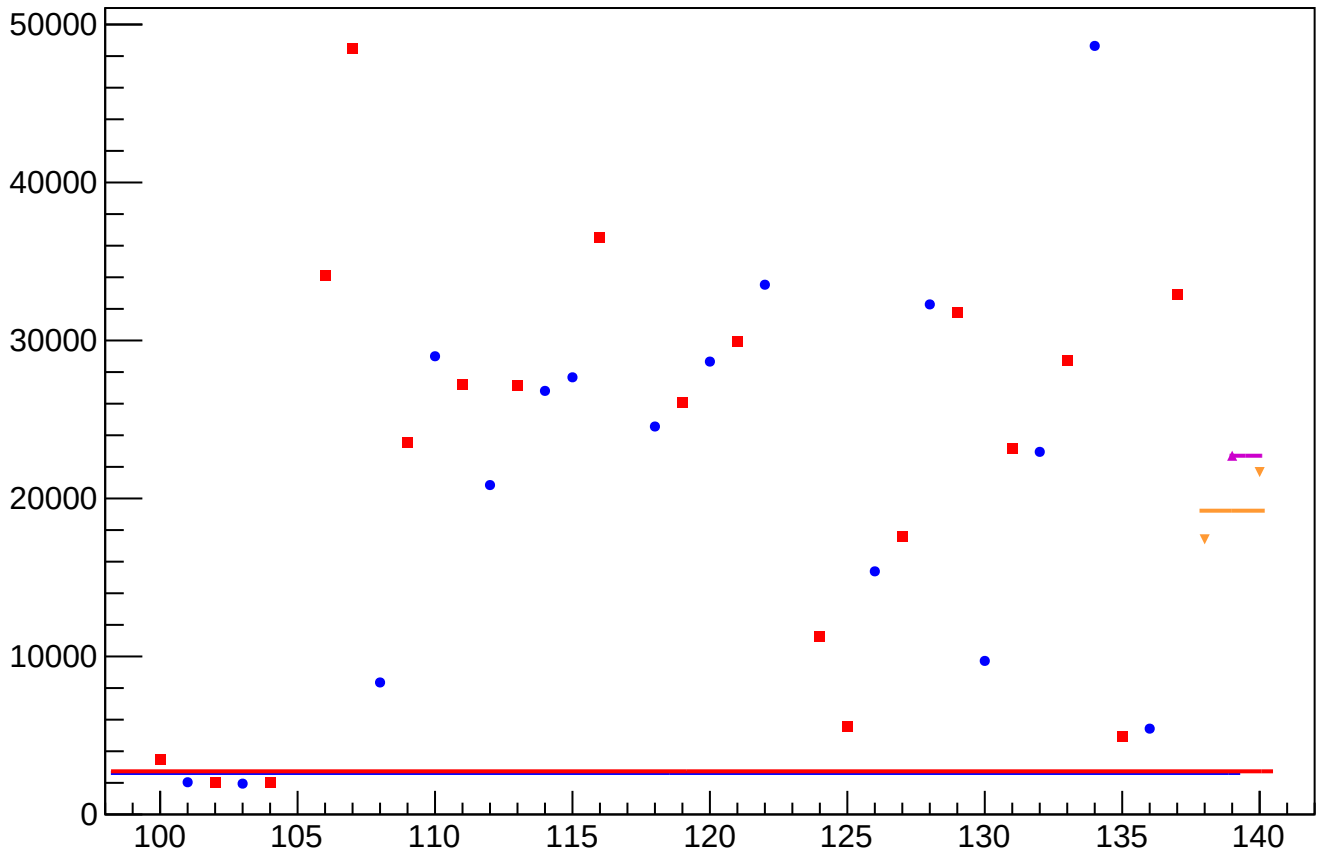
Left In: -41.749 $\pm$ 28.158 χ^2 /NDF: 0.0/0

+ sign -8.144 $\pm$ 1.712 χ^2 /NDF: 19.5/17

All: -3.310 $\pm$ 1.246 χ^2 /NDF: 71.9/37

- sign 2.141 $\pm$ 1.818 χ^2 /NDF: 35.5/19

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430 ± 1.216 $\chi^2/\text{NDF}: 6780884.6/15$

Left Out: 19226.612 ± 12.276 $\chi^2/\text{NDF}: 29414.9/1$

Right Out: 2730.235 ± 1.288 $\chi^2/\text{NDF}: 7985984.4/18$

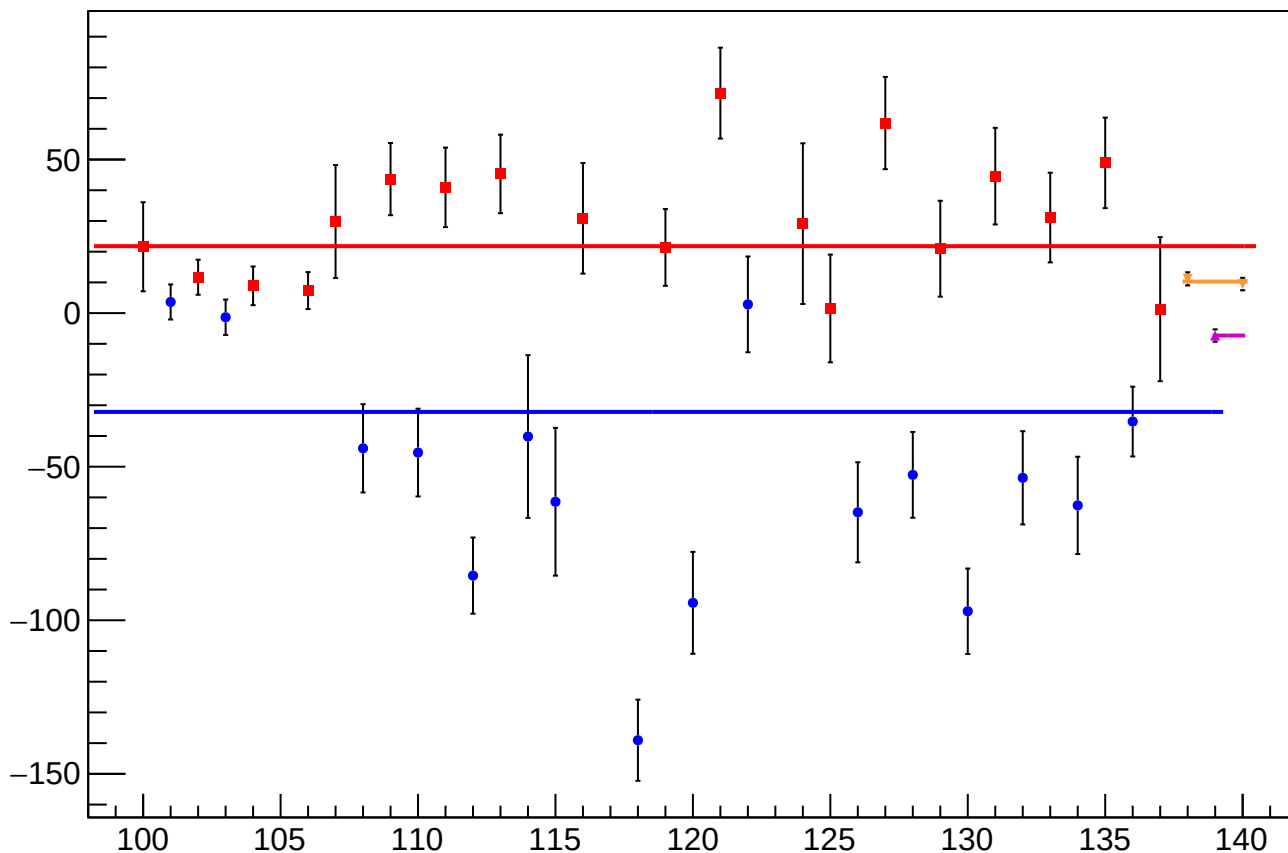
Left In: 22705.324 ± 19.911 $\chi^2/\text{NDF}: 0.0/0$

+ sign 2787.848 ± 1.211 $\chi^2/\text{NDF}: 8620972.2/17$

All: 2799.900 ± 0.881 $\chi^2/\text{NDF}: 17609434.2/3$

- sign 2813.488 ± 1.285 $\chi^2/\text{NDF}: 8988251.1/19$

diff_bpm0l04X_mean vs Slug



Right In: -32.171 ± 2.842 χ^2/NDF : 207.8/15

Left Out: 10.266 ± 1.478 χ^2/NDF : 0.3/1

Right Out: 21.801 ± 2.557 χ^2/NDF : 49.1/18

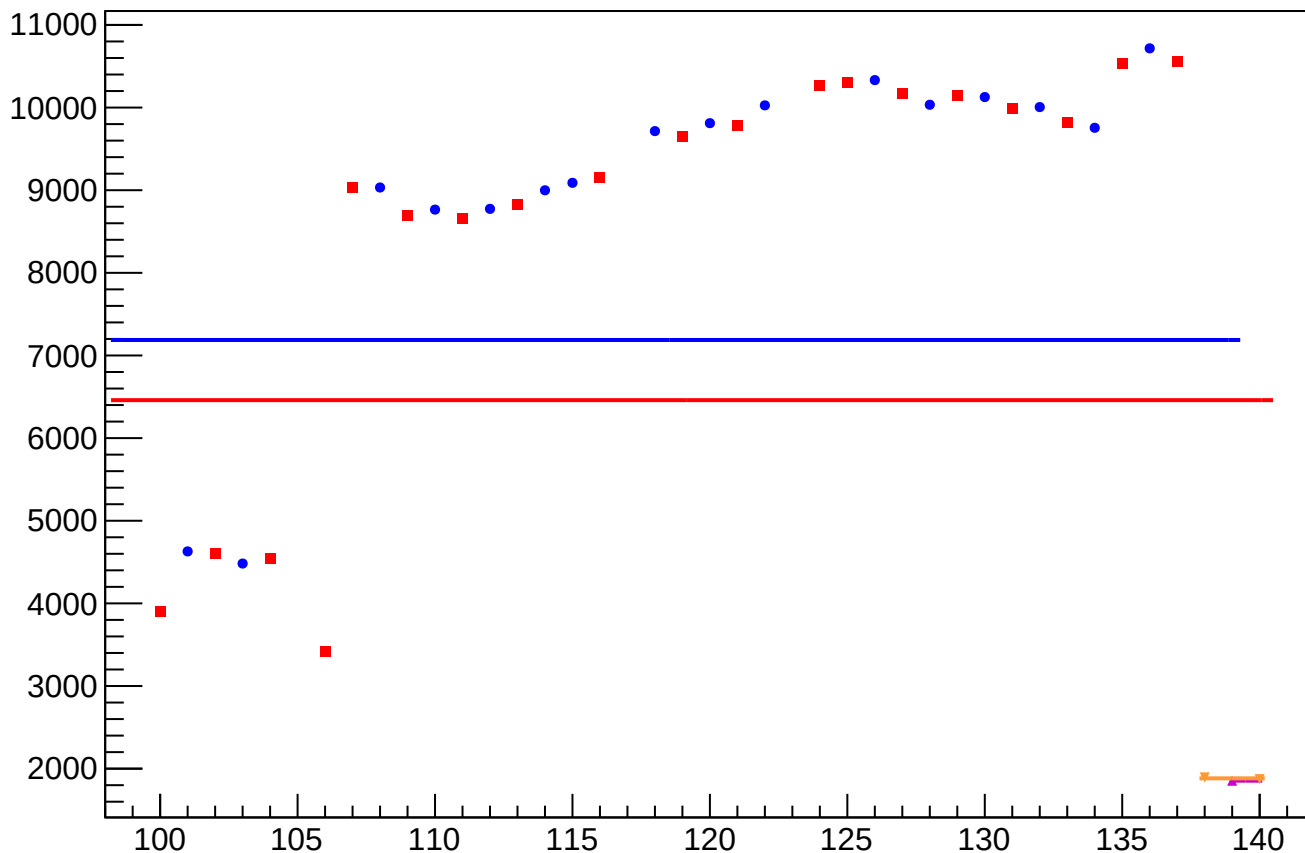
Left In: -7.300 ± 2.016 χ^2/NDF : 0.0/0

+ sign 1.228 ± 1.312 χ^2/NDF : 383.6/17

All: 2.297 ± 1.010 χ^2/NDF : 514.2/37

- sign 3.856 ± 1.583 χ^2/NDF : 128.9/19

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF : 1705887.0/15

Left Out: 1882.755+/-1.045 χ^2/NDF : 103.8/1

Right Out: 6459.323+/-1.808 χ^2/NDF : 2276337.9/18

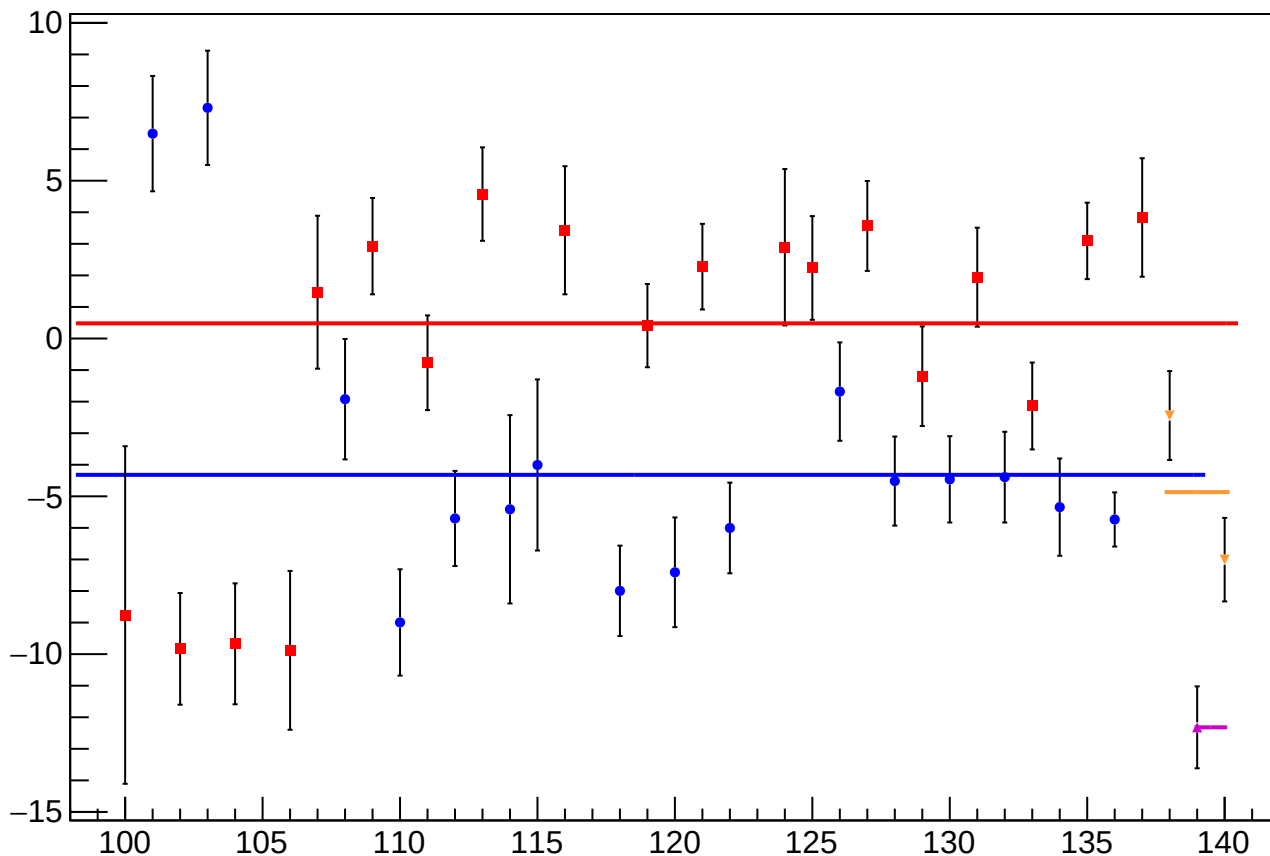
Left In: 1854.457+/-1.426 χ^2/NDF : 0.0/0

+ sign 3012.604+/-0.927 χ^2/NDF : 7190713.0/17

All: 3259.679+/-0.714 χ^2/NDF : 13640170.9/3

- sign 3619.826+/-1.120 χ^2/NDF : 6275010.0/19

diff_bpm0l04Y_mean vs Slug



Right In: -4.319 ± 0.380 χ^2/NDF : 103.7/15

Left Out: -4.866 ± 0.965 χ^2/NDF : 5.6/1

Right Out: 0.481 ± 0.379 χ^2/NDF : 117.2/18

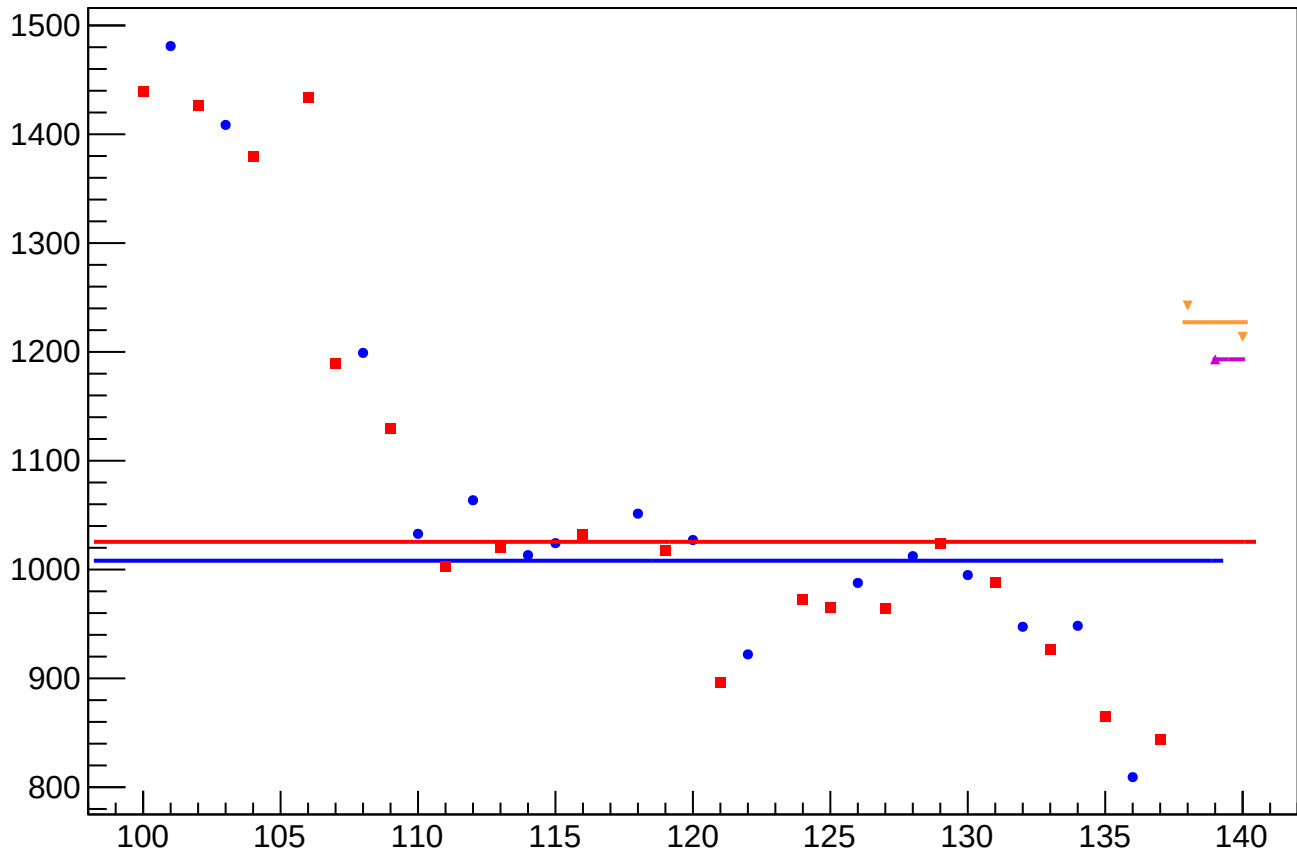
Left In: -12.319 ± 1.298 χ^2/NDF : 0.0/0

+ sign -4.393 ± 0.353 χ^2/NDF : 109.5/17

All: -2.513 ± 0.253 χ^2/NDF : 374.6/37

- sign -0.523 ± 0.364 χ^2/NDF : 206.8/19

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF : 378836.2/15

Left Out: 1227.292+/-0.682 χ^2/NDF : 441.7/1

Right Out: 1025.486+/-0.268 χ^2/NDF : 345991.2/18

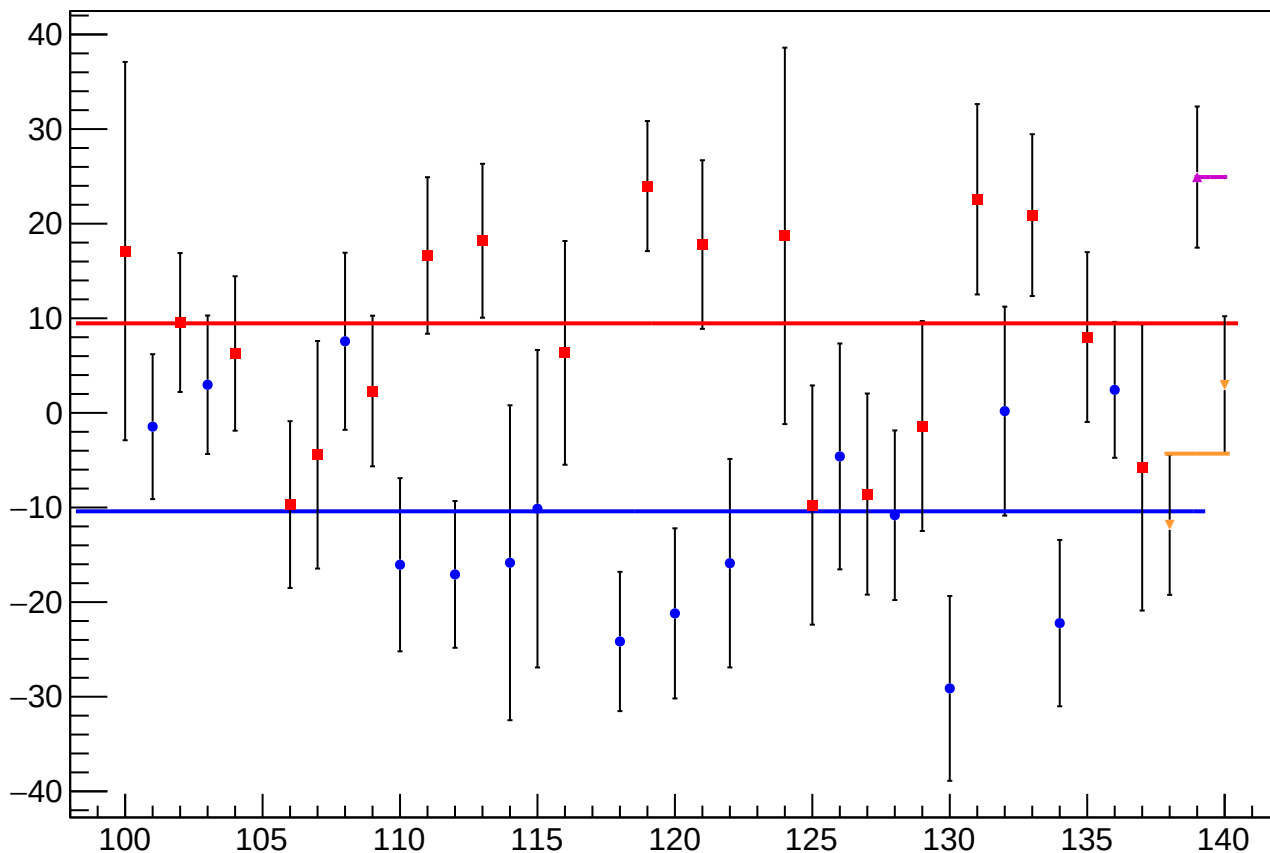
Left In: 1193.208+/-0.918 χ^2/NDF : 0.0/0

+ sign 1037.524+/-0.250 χ^2/NDF : 468673.2/17

All: 1038.068+/-0.179 χ^2/NDF : 845456.2/37

- sign 1038.644+/-0.257 χ^2/NDF : 376773.2/19

diff_bpm0l05X_mean vs Slug



Right In: -10.404 $\pm$ 2.280 χ^2 /NDF: 24.6/15

Left Out: -4.309 $\pm$ 5.187 χ^2 /NDF: 2.0/1

Right Out: 9.467 $\pm$ 2.191 χ^2 /NDF: 25.4/18

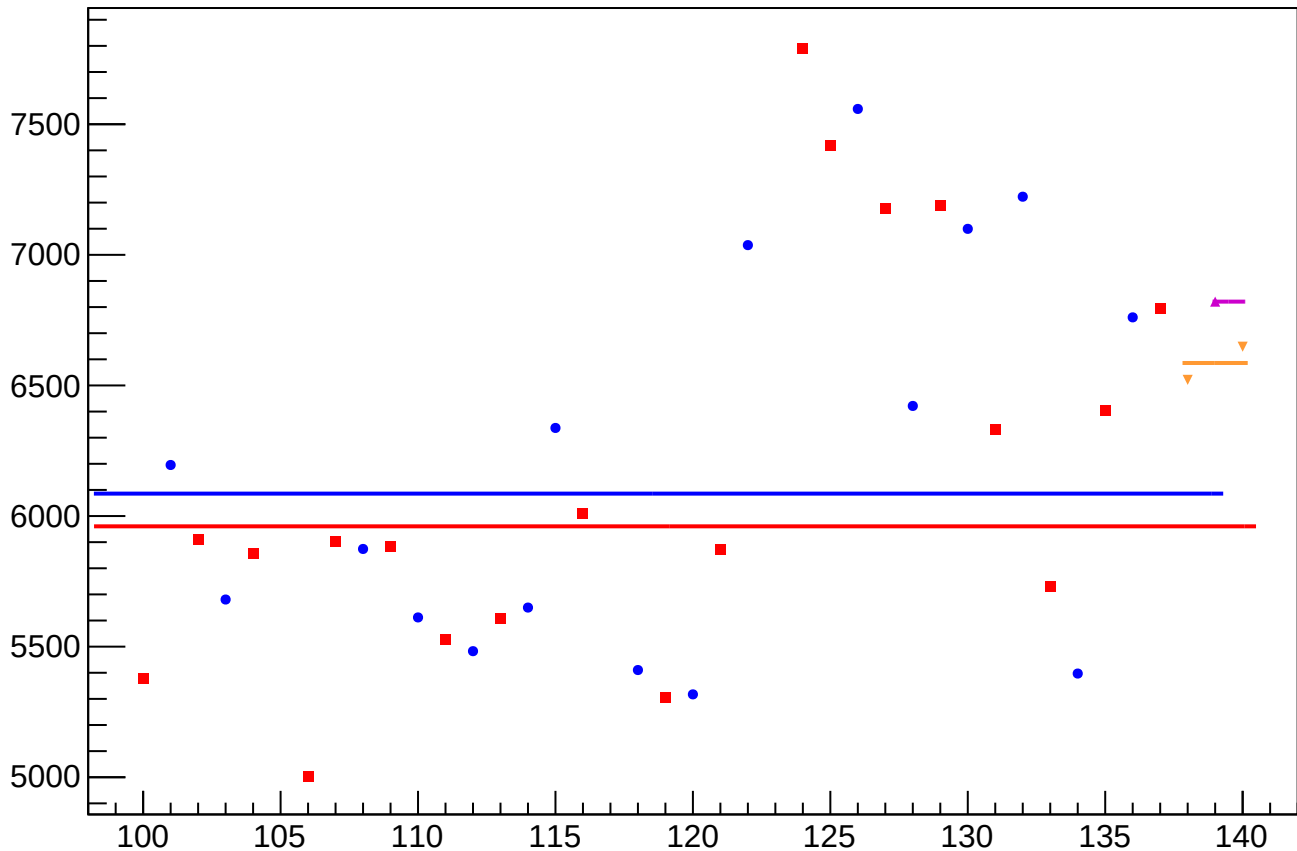
Left In: 24.927 $\pm$ 7.463 χ^2 /NDF: 0.0/0

+ sign -9.417 $\pm$ 2.087 χ^2 /NDF: 27.8/17

All: 0.567 $\pm$ 1.481 χ^2 /NDF: 103.2/37

- sign 10.694 $\pm$ 2.102 χ^2 /NDF: 29.3/19

diff_bpm0l05X_rms vs Slug



Right In: 6085.873 $\pm$ 1.612 χ^2 /NDF: 179118.8/15

Left Out: 6585.988 $\pm$ 3.668 χ^2 /NDF:299.4/1

Right Out: 5960.613 $\pm$ 1.549 χ^2 /NDF: 162772.6/18

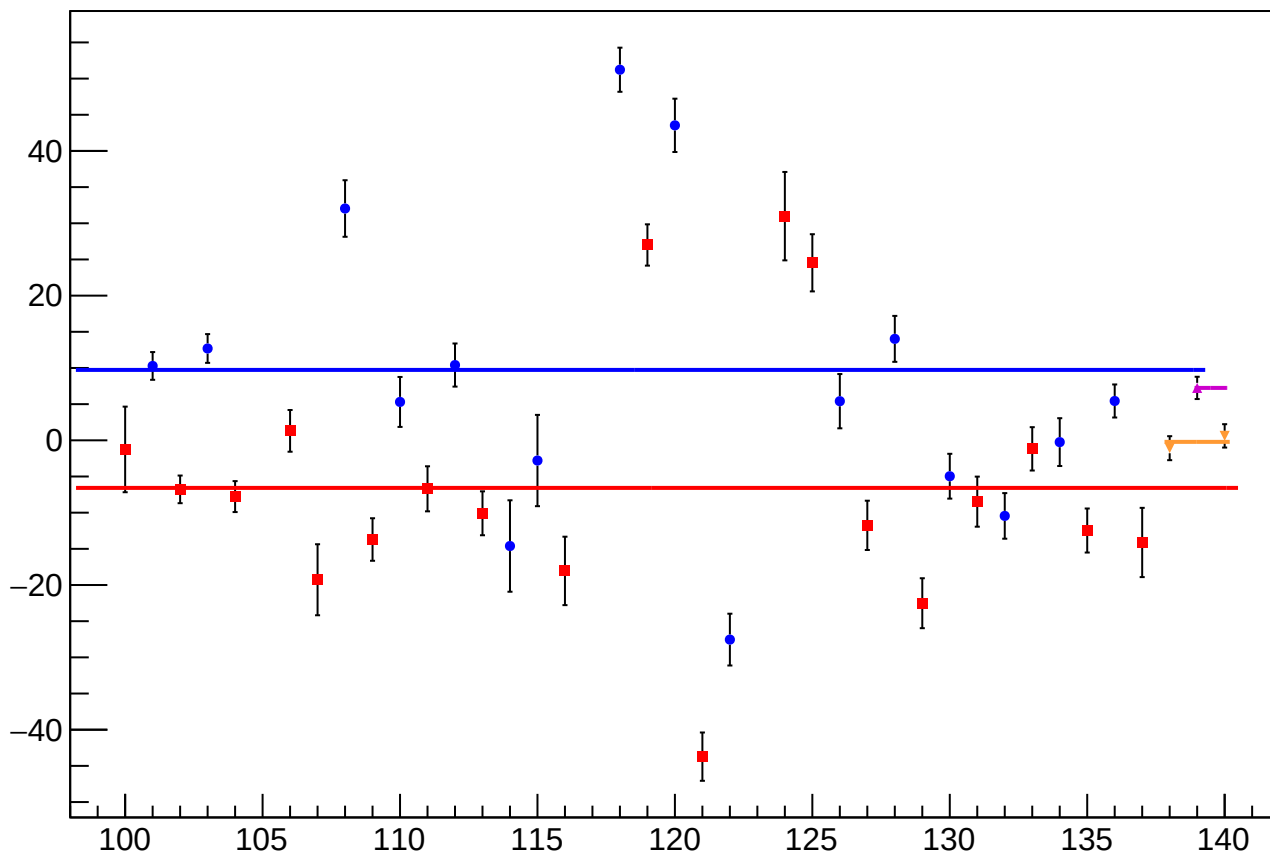
Left In: 6820.907 $\pm$ 5.277 χ^2 /NDF:0.0/0

+ sign 6166.862 $\pm$ 1.476 χ^2 /NDF: 195001.2/17

All: 6098.359 $\pm$ 1.047 χ^2 /NDF: 386580.9/37

- sign 6028.872 $\pm$ 1.486 χ^2 /NDF: 187240.2/19

diff_bpm0l05Y_mean vs Slug



Right In: 9.733 ± 0.755 χ^2/NDF : 512.4/15

Left Out: -0.213 ± 1.157 χ^2/NDF : 0.5/1

Right Out: -6.576 ± 0.730 χ^2/NDF : 423.8/18

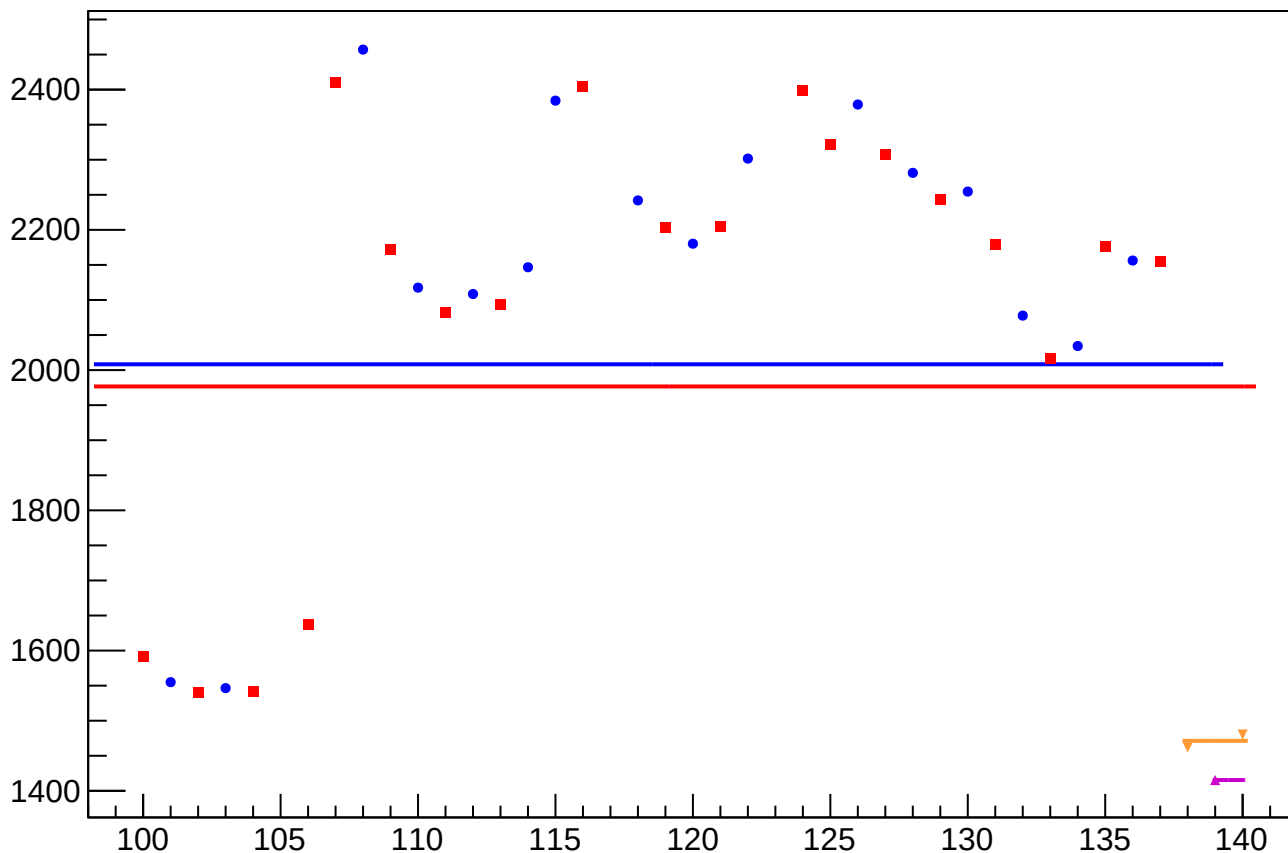
Left In: 7.245 ± 1.539 χ^2/NDF : 0.0/0

+ sign 6.763 ± 0.632 χ^2/NDF : 564.7/17

All: 1.594 ± 0.457 χ^2/NDF : 1194.0/37

- sign -4.036 ± 0.660 χ^2/NDF : 489.6/19

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296 $\pm$ 0.534 χ^2 /NDF: 344387.2/15

Left Out: 1471.287 $\pm$ 0.818 χ^2 /NDF:128.2/1

Right Out: 1976.677 $\pm$ 0.516 χ^2 /NDF: 365375.1/18

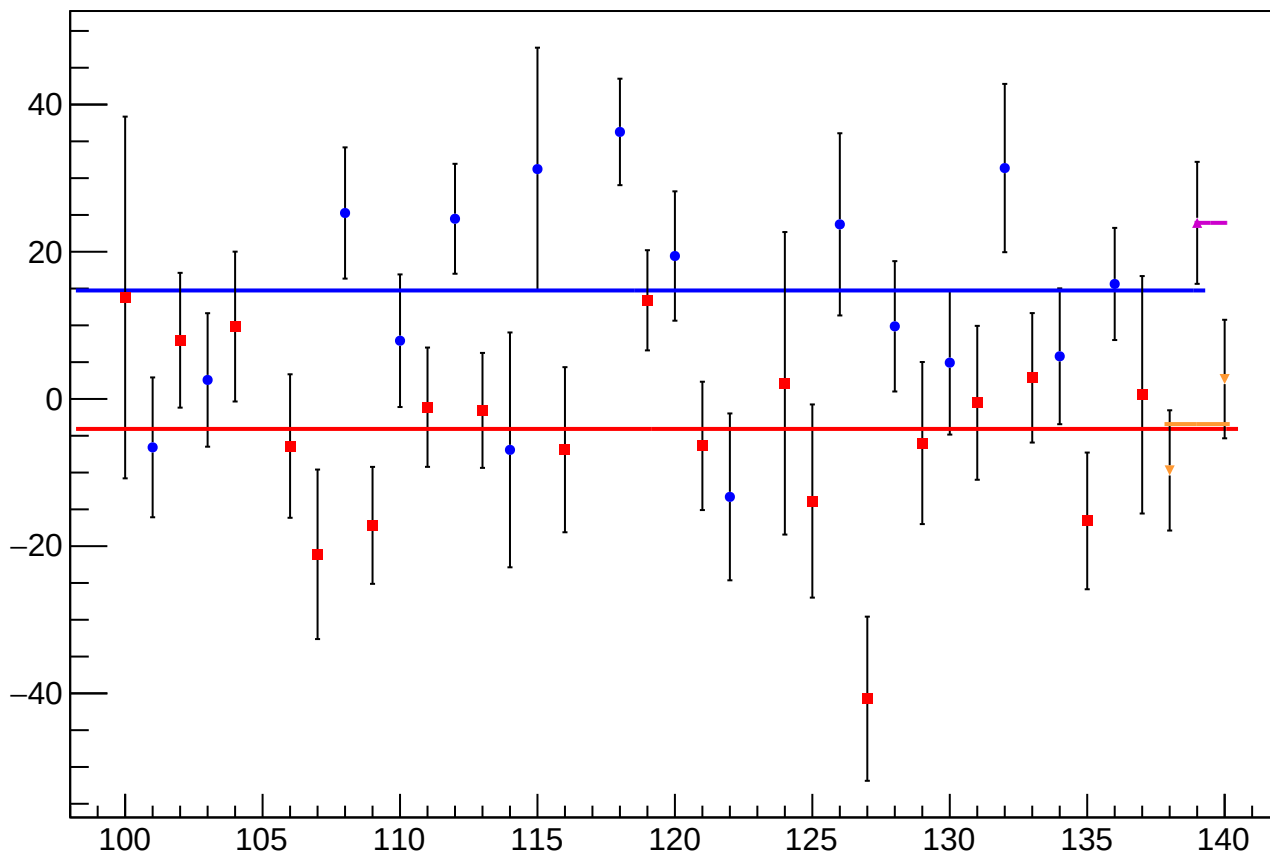
Left In: 1415.398 $\pm$ 1.088 χ^2 /NDF:0.0/0

+ sign 1847.952 $\pm$ 0.447 χ^2 /NDF: 646688.8/17

All: 1860.197 $\pm$ 0.323 χ^2 /NDF: 1230709.4/37

- sign 1873.532 $\pm$ 0.467 χ^2 /NDF: 582453.5/19

diff_bpm0l06X_mean vs Slug



Right In: 14.739 $\pm$ 2.358 χ^2 /NDF: 33.5/15

Left Out: -3.411 $\pm$ 5.734 χ^2 /NDF: 1.2/1

Right Out: -4.072 $\pm$ 2.274 χ^2 /NDF: 30.2/18

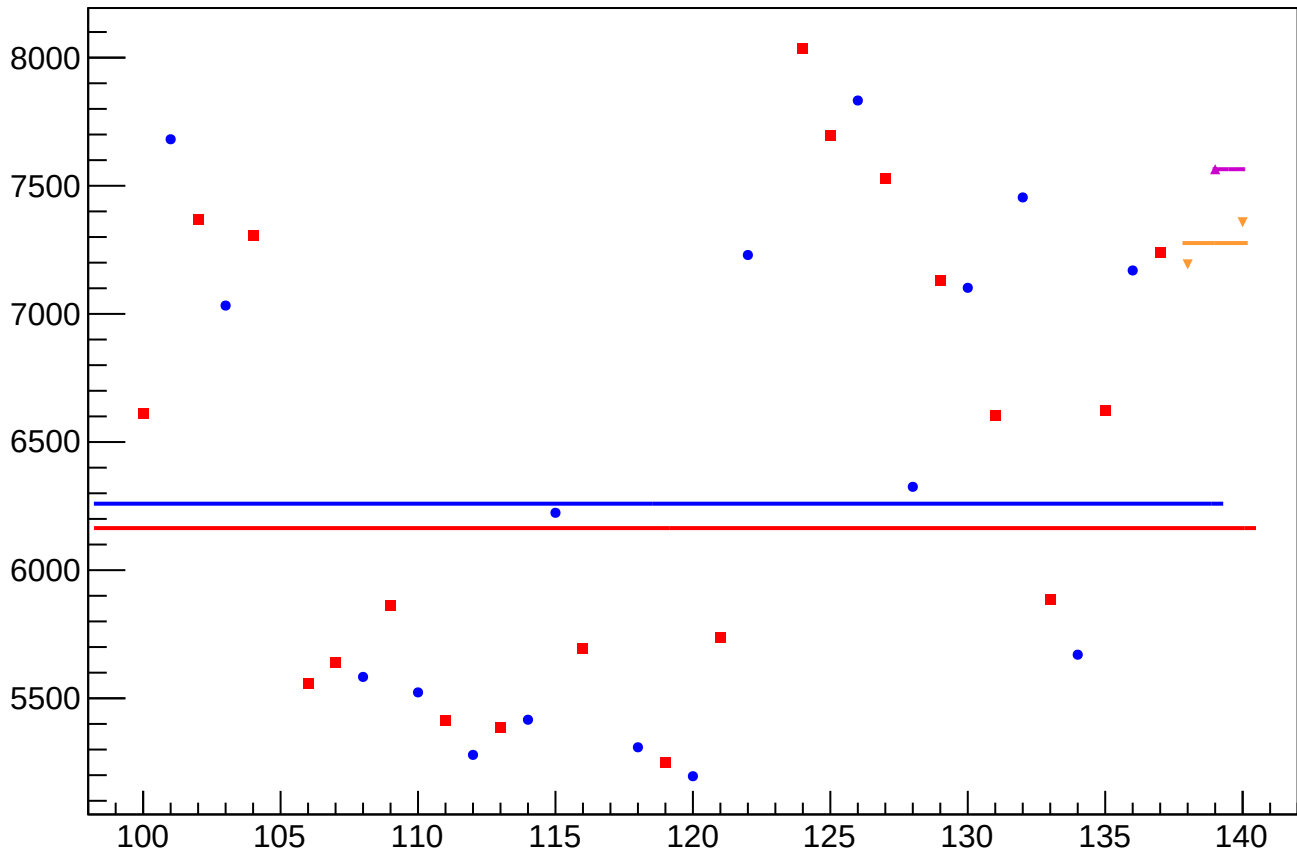
Left In: 23.927 $\pm$ 8.287 χ^2 /NDF: 0.0/0

+ sign 12.115 $\pm$ 2.181 χ^2 /NDF: 43.3/17

All: 5.041 $\pm$ 1.546 χ^2 /NDF: 105.2/37

- sign -2.112 $\pm$ 2.193 χ^2 /NDF: 40.8/19

diff_bpm0l06X_rms vs Slug



Right In: 6259.416 $\pm$ 1.667 χ^2 /NDF: 308606.8/15

Left Out: 7276.535 $\pm$ 4.055 χ^2 /NDF:410.4/1

Right Out: 6164.140 $\pm$ 1.608 χ^2 /NDF: 265058.6/18

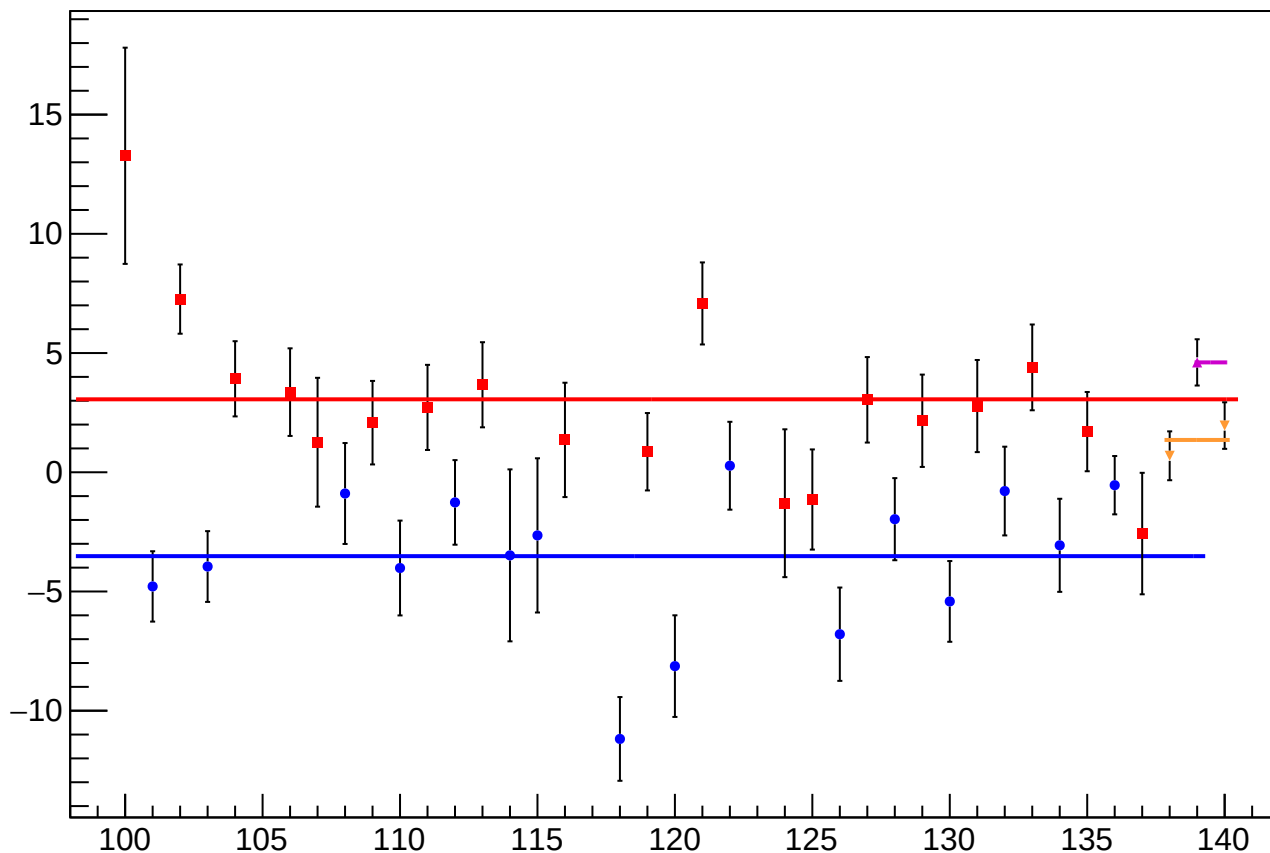
Left In: 7564.650 $\pm$ 5.860 χ^2 /NDF:0.0/0

+ sign 6406.481 $\pm$ 1.542 χ^2 /NDF: 362839.5/17

All: 6334.740 $\pm$ 1.093 χ^2 /NDF: 685377.5/37

- sign 6262.196 $\pm$ 1.550 χ^2 /NDF: 318184.0/19

diff_bpm0l06Y_mean vs Slug



Right In: -3.518 ± 0.452 $\chi^2/\text{NDF}: 45.1/15$

Left Out: 1.355 ± 0.707 $\chi^2/\text{NDF}: 0.8/1$

Right Out: 3.059 ± 0.438 $\chi^2/\text{NDF}: 34.8/18$

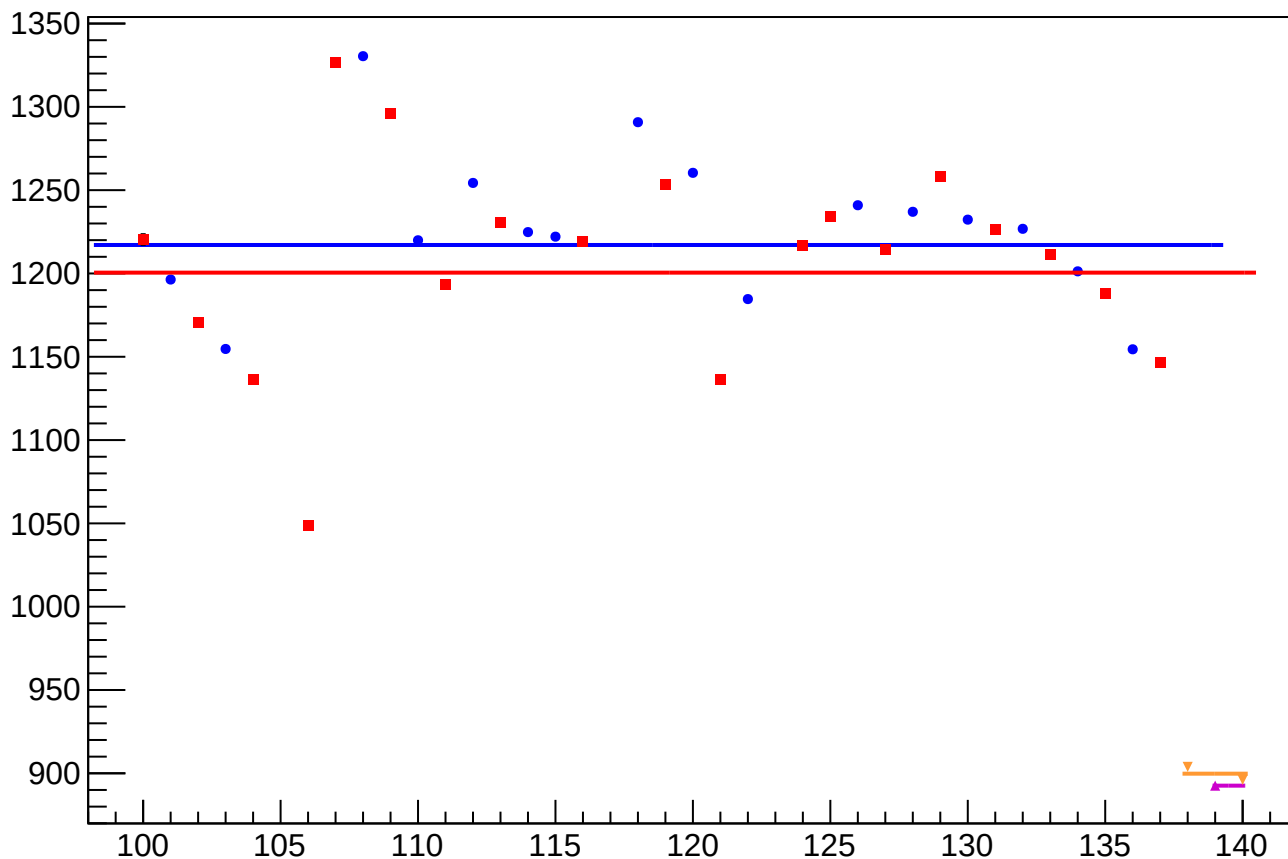
Left In: 4.608 ± 0.970 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2.101 ± 0.381 $\chi^2/\text{NDF}: 79.6/17$

All: 0.482 ± 0.276 $\chi^2/\text{NDF}: 213.0/37$

- sign 3.322 ± 0.399 $\chi^2/\text{NDF}: 36.9/19$

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF : 21686.7/15

Left Out: 899.774+/-0.500 χ^2/NDF :60.6/1

Right Out: 1200.497+/-0.310 χ^2/NDF : 37654.3/18

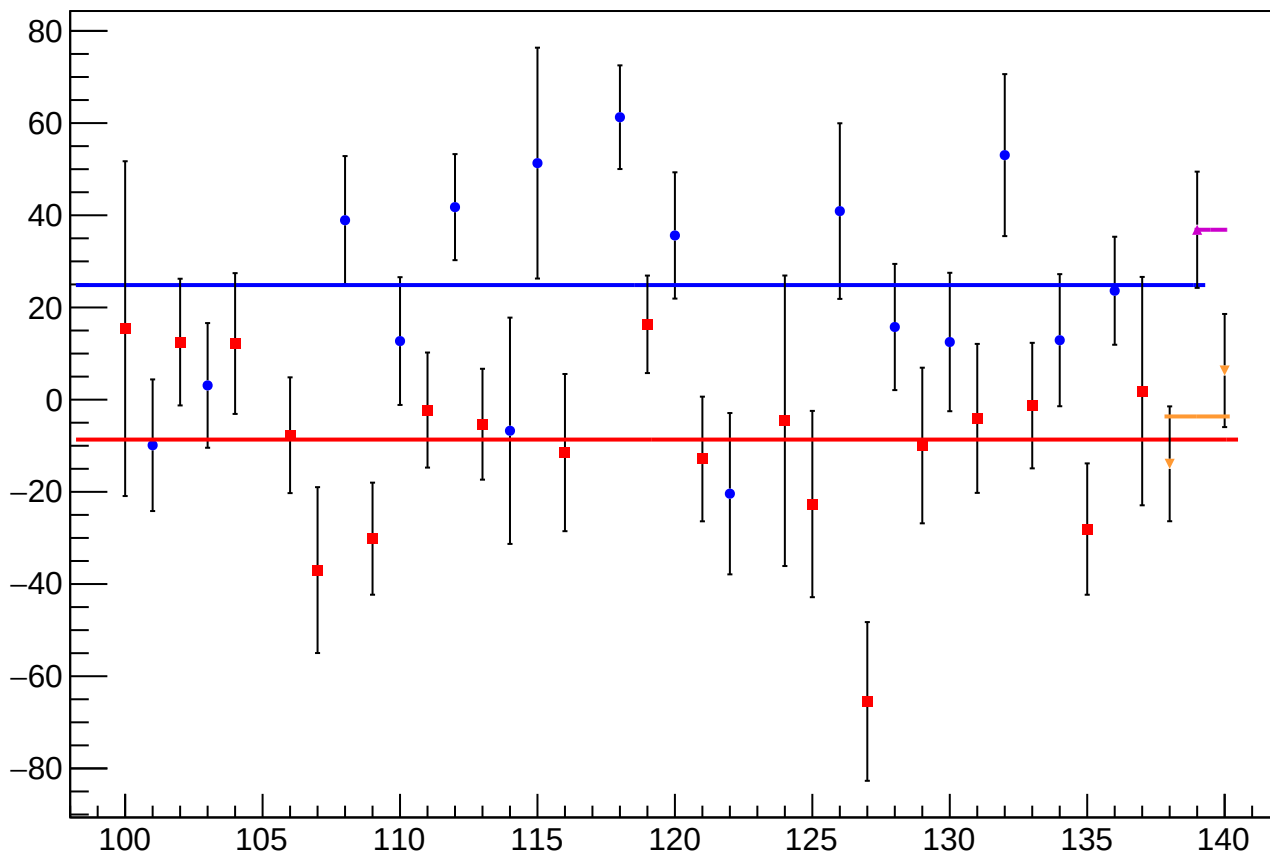
Left In: 892.584+/-0.686 χ^2/NDF :0.0/0

+ sign 1124.866+/-0.269 χ^2/NDF : 307719.7/17

All: 1136.030+/-0.195 χ^2/NDF : 516267.7/37

- sign 1148.301+/-0.282 χ^2/NDF : 204944.1/19

diff_bpm0l07X_mean vs Slug



Right In: 24.860 ± 3.628 $\chi^2/\text{NDF}: 38.1/15$

Left Out: -3.645 ± 8.743 $\chi^2/\text{NDF}: 1.3/1$

Right Out: -8.658 ± 3.454 $\chi^2/\text{NDF}: 30.1/18$

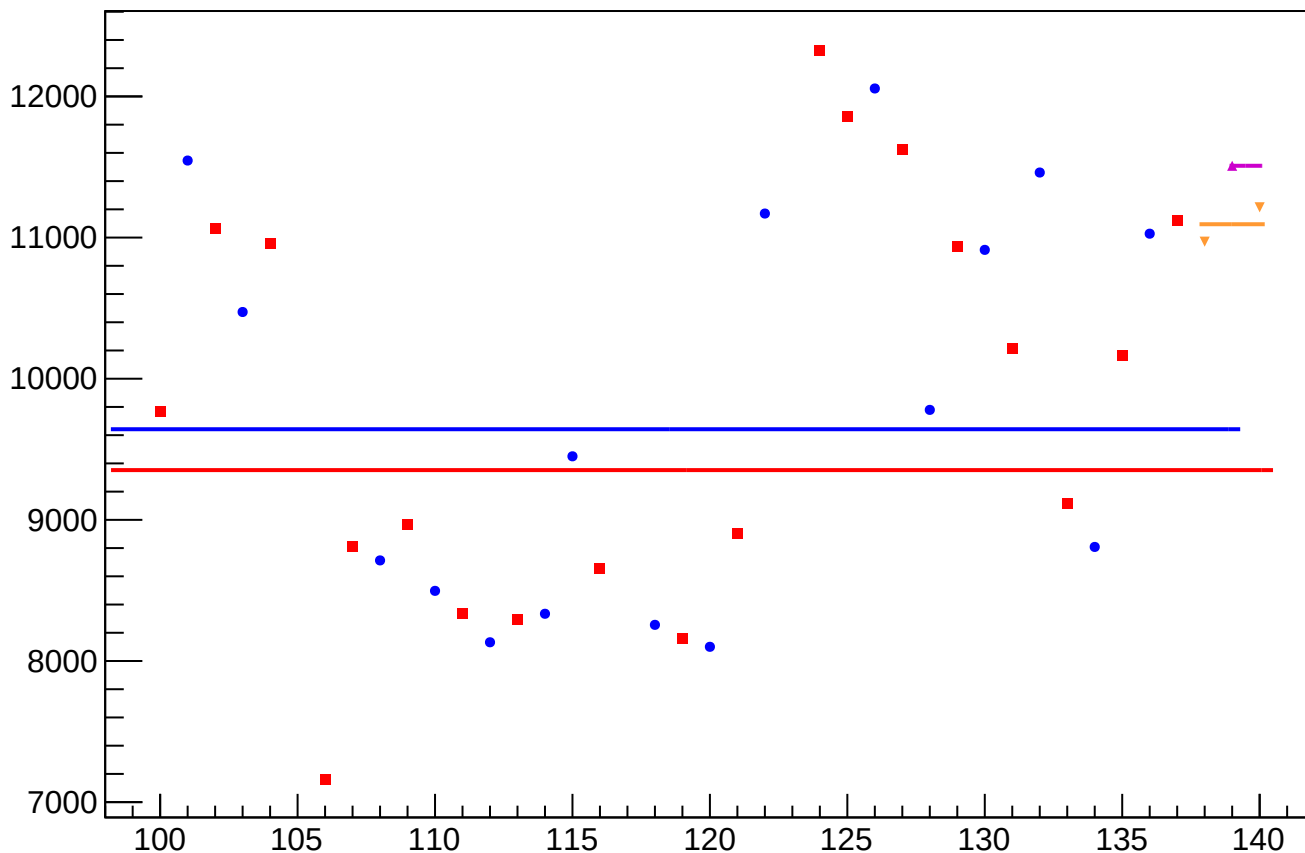
Left In: 36.860 ± 12.607 $\chi^2/\text{NDF}: 0.0/0$

+ sign 20.672 ± 3.351 $\chi^2/\text{NDF}: 48.6/17$

All: 7.518 ± 2.362 $\chi^2/\text{NDF}: 121.4/37$

- sign -5.481 ± 3.331 $\chi^2/\text{NDF}: 42.3/19$

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF : 279657.4/15

Left Out: 11094.546+/-6.182 χ^2/NDF : 387.8/1

Right Out: 9352.503+/-2.442 χ^2/NDF : 301779.3/18

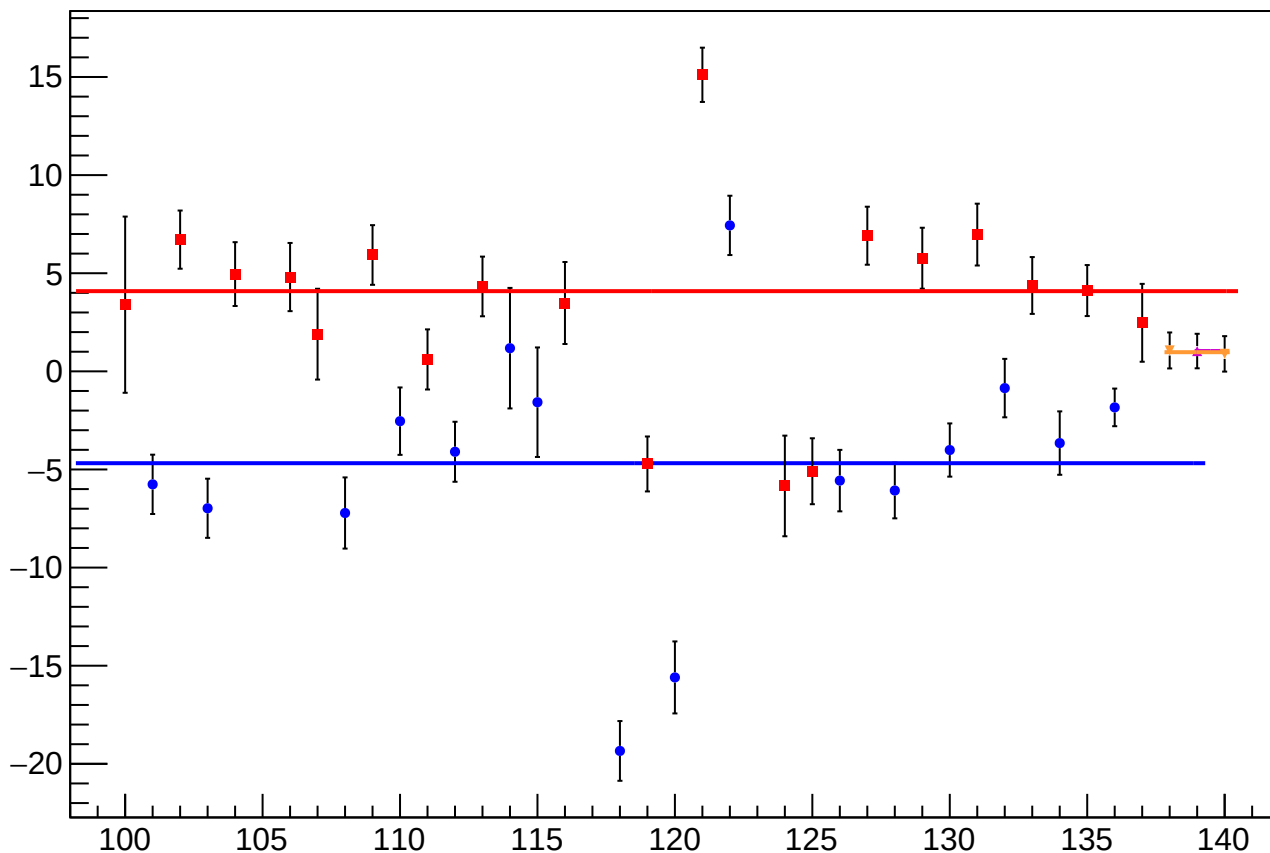
Left In: 11508.693+/-8.915 χ^2/NDF : 0.0/0

+ sign 9855.456+/-2.369 χ^2/NDF : 327139.6/17

All: 9678.186+/-1.670 χ^2/NDF : 694463.2/37

- sign 9503.018+/-2.355 χ^2/NDF : 356195.5/19

diff_bpm0l07Y_mean vs Slug



Right In: -4.681 ± 0.386 χ^2/NDF : 221.2/15

Left Out: 0.976 ± 0.643 χ^2/NDF : 0.0/1

Right Out: 4.087 ± 0.376 χ^2/NDF : 168.1/18

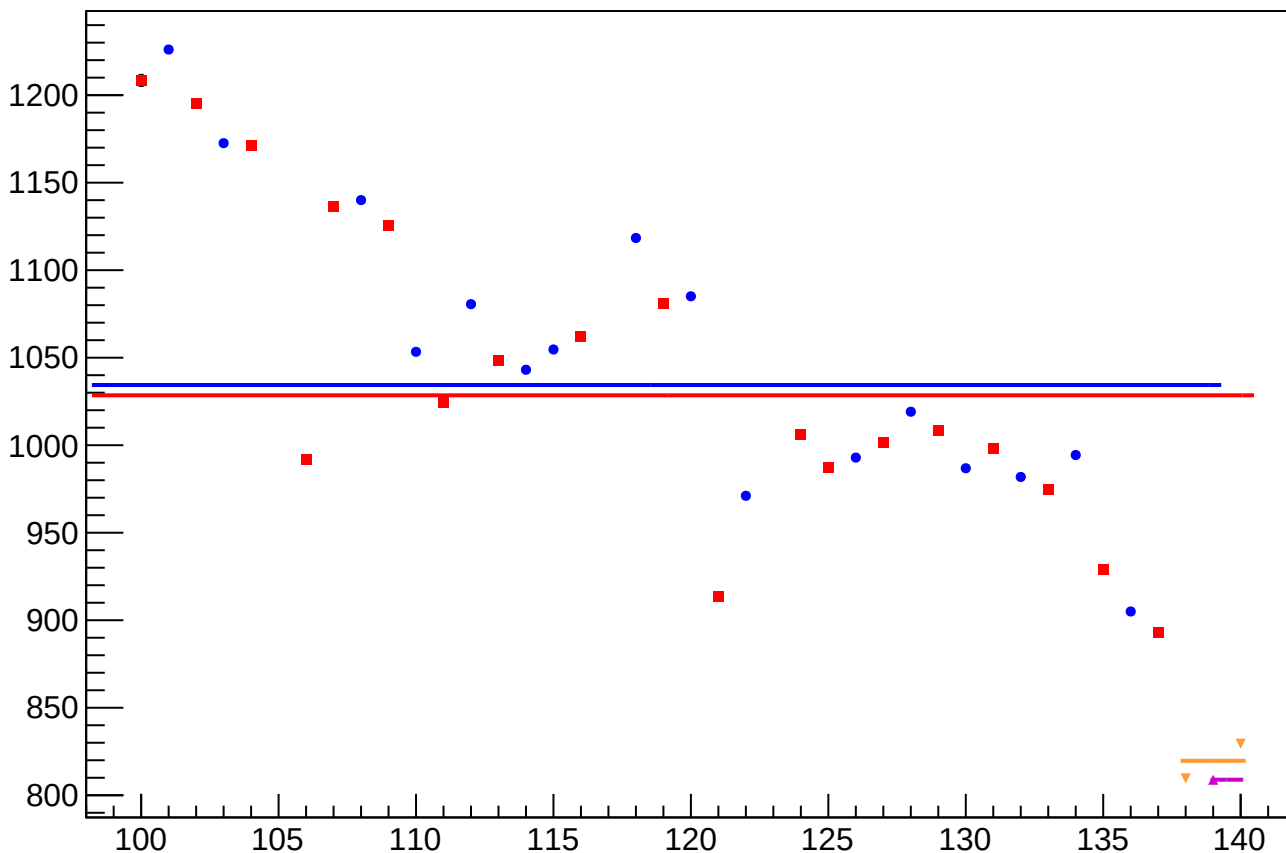
Left In: 1.034 ± 0.879 χ^2/NDF : 0.0/0

+ sign -3.185 ± 0.331 χ^2/NDF : 278.1/17

All: 0.063 ± 0.239 χ^2/NDF : 658.0/37

- sign 3.614 ± 0.346 χ^2/NDF : 178.2/19

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402 $\pm$ 0.273 χ^2 /NDF: 113278.6/15

Left Out: 819.685 $\pm$ 0.455 χ^2 /NDF: 475.1/1

Right Out: 1028.501 $\pm$ 0.266 χ^2 /NDF: 101624.8/18

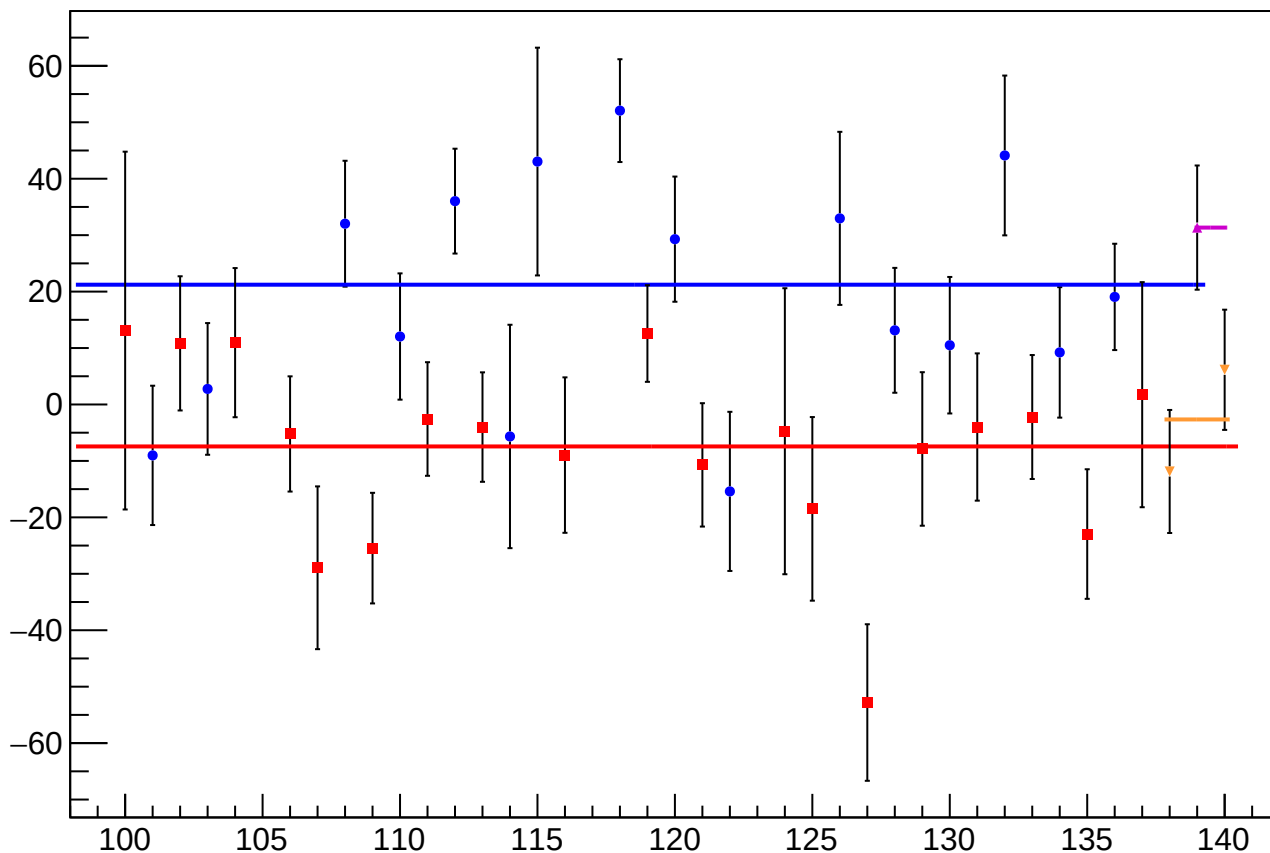
Left In: 808.888 $\pm$ 0.622 χ^2 /NDF: 0.0/0

+ sign 977.628 $\pm$ 0.234 χ^2 /NDF: 277574.2/17

All: 985.685 $\pm$ 0.169 χ^2 /NDF: 487108.6/37

- sign 994.497 $\pm$ 0.245 χ^2 /NDF: 207051.4/19

diff_bpm0l08X_mean vs Slug



Right In: 21.222 $\pm$ 2.952 χ^2 /NDF: 40.1/15

Left Out: -2.653 $\pm$ 7.618 χ^2 /NDF:1.4/1

Right Out: -7.435 $\pm$ 2.810 χ^2 /NDF: 29.8/18

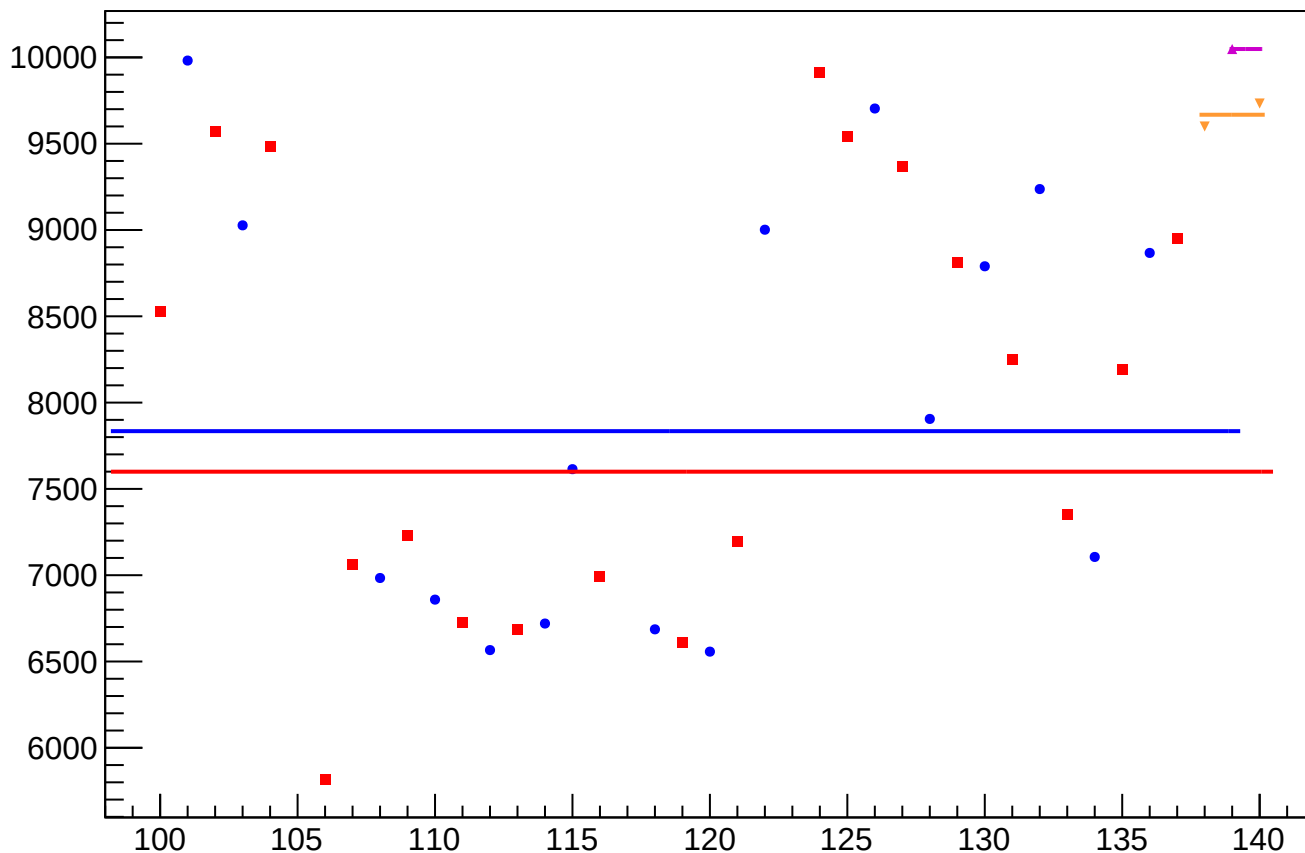
Left In: 31.341 $\pm$ 11.004 χ^2 /NDF:0.0/0

+ sign 18.105 $\pm$ 2.752 χ^2 /NDF: 50.0/17

All: 6.398 $\pm$ 1.936 χ^2 /NDF: 127.3/37

- sign -5.061 $\pm$ 2.723 χ^2 /NDF: 41.5/19

diff_bpm0l08X_rms vs Slug



Right In: 7834.618 $\pm$ 2.087 χ^2 /NDF: 318089.6/15

Left Out: 9667.788 $\pm$ 5.386 χ^2 /NDF:153.0/1

Right Out: 7599.749 $\pm$ 1.987 χ^2 /NDF: 344296.8/18

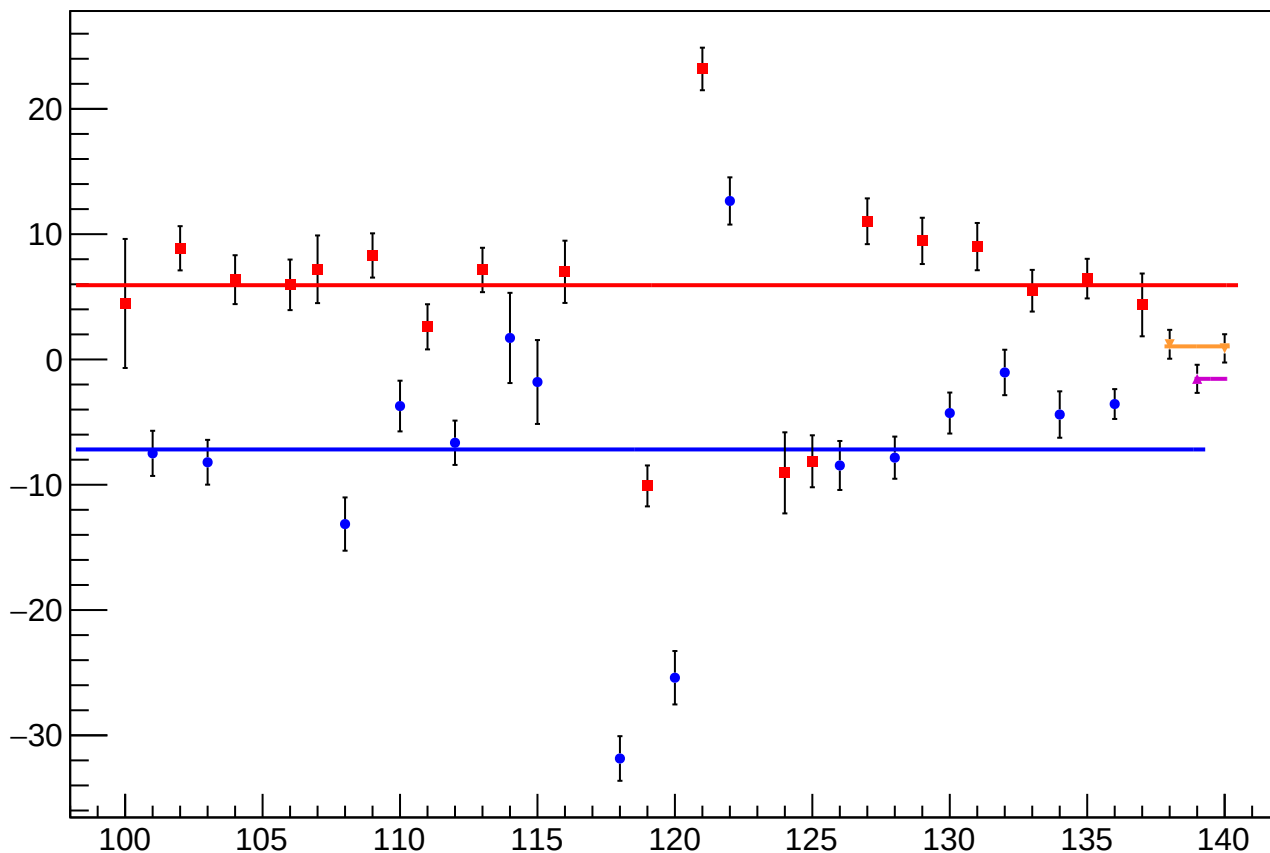
Left In: 10048.582 $\pm$ 7.781 χ^2 /NDF:0.0/0

+ sign 8073.945 $\pm$ 1.946 χ^2 /NDF: 418947.9/17

All: 7910.076 $\pm$ 1.369 χ^2 /NDF: 870259.7/37

- sign 7749.697 $\pm$ 1.925 χ^2 /NDF: 437284.0/19

diff_bpm0l08Y_mean vs Slug



Right In: -7.183 ± 0.462 $\chi^2/\text{NDF}: 422.2/15$

Left Out: 1.045 ± 0.807 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 5.927 ± 0.449 $\chi^2/\text{NDF}: 290.4/18$

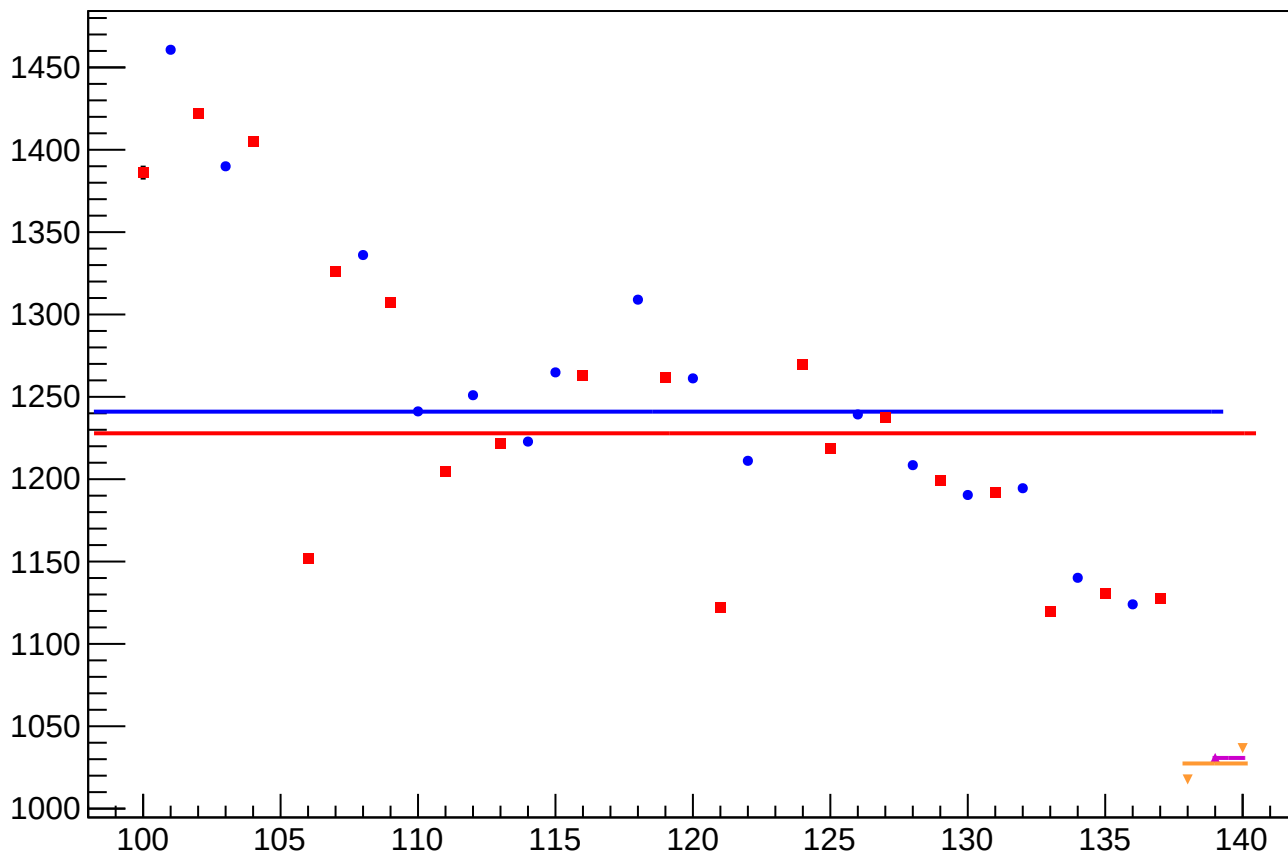
Left In: -1.546 ± 1.122 $\chi^2/\text{NDF}: 0.0/0$

+ sign -5.149 ± 0.401 $\chi^2/\text{NDF}: 500.6/17$

All: -0.321 ± 0.289 $\chi^2/\text{NDF}: 1130.5/37$

- sign 4.895 ± 0.417 $\chi^2/\text{NDF}: 328.6/19$

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007 $\pm$ 0.327 χ^2 /NDF: 80653.5/15

Left Out: 1027.404 $\pm$ 0.571 χ^2 /NDF:277.9/1

Right Out: 1227.864 $\pm$ 0.318 χ^2 /NDF: 82339.2/18

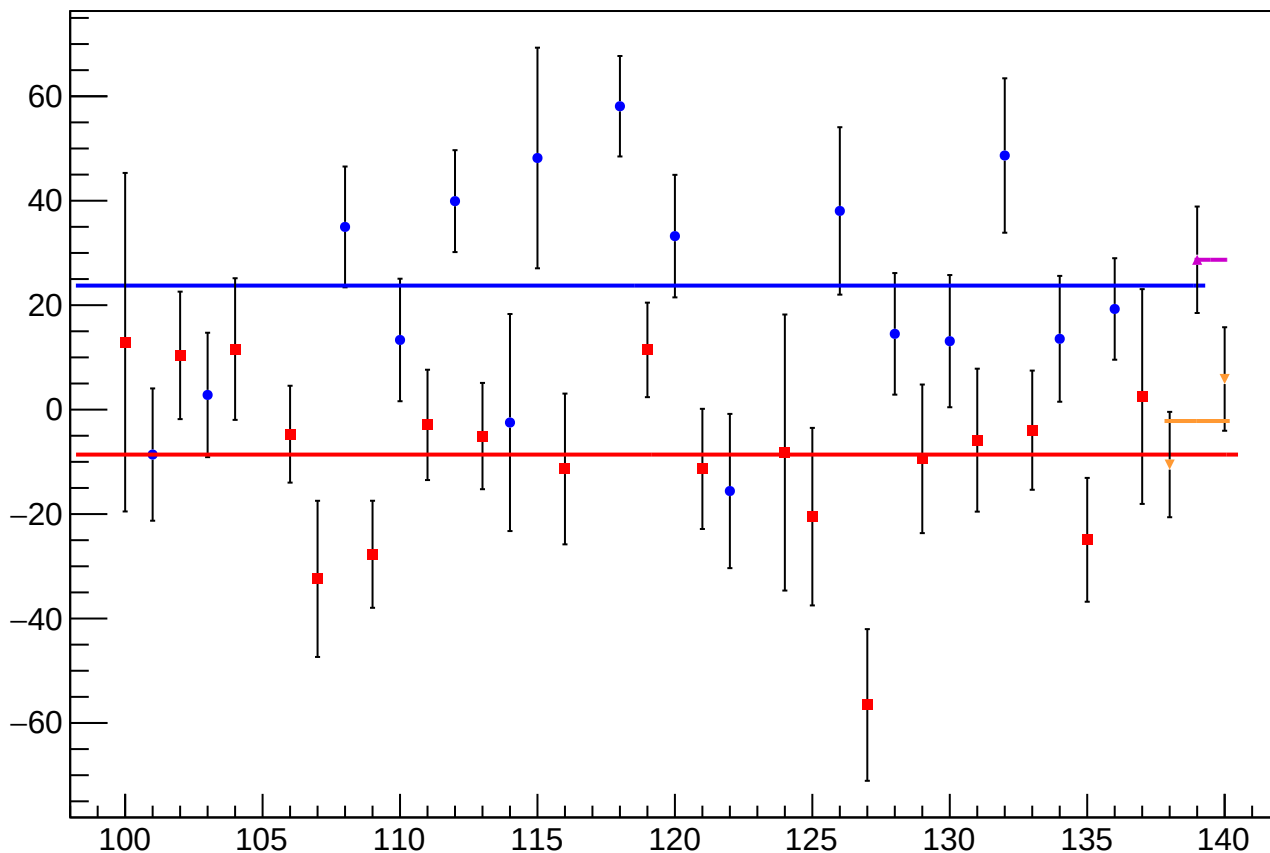
Left In: 1030.762 $\pm$ 0.793 χ^2 /NDF:0.0/0

+ sign 1188.207 $\pm$ 0.284 χ^2 /NDF: 186459.2/17

All: 1194.180 $\pm$ 0.204 χ^2 /NDF: 322925.5/37

- sign 1200.635 $\pm$ 0.295 χ^2 /NDF: 135543.5/19

diff_bpm0l09X_mean vs Slug



Right In: 23.750 ± 3.081 χ^2/NDF : 43.4/15

Left Out: -2.180 ± 7.069 χ^2/NDF : 1.3/1

Right Out: -8.609 ± 2.899 χ^2/NDF : 30.5/18

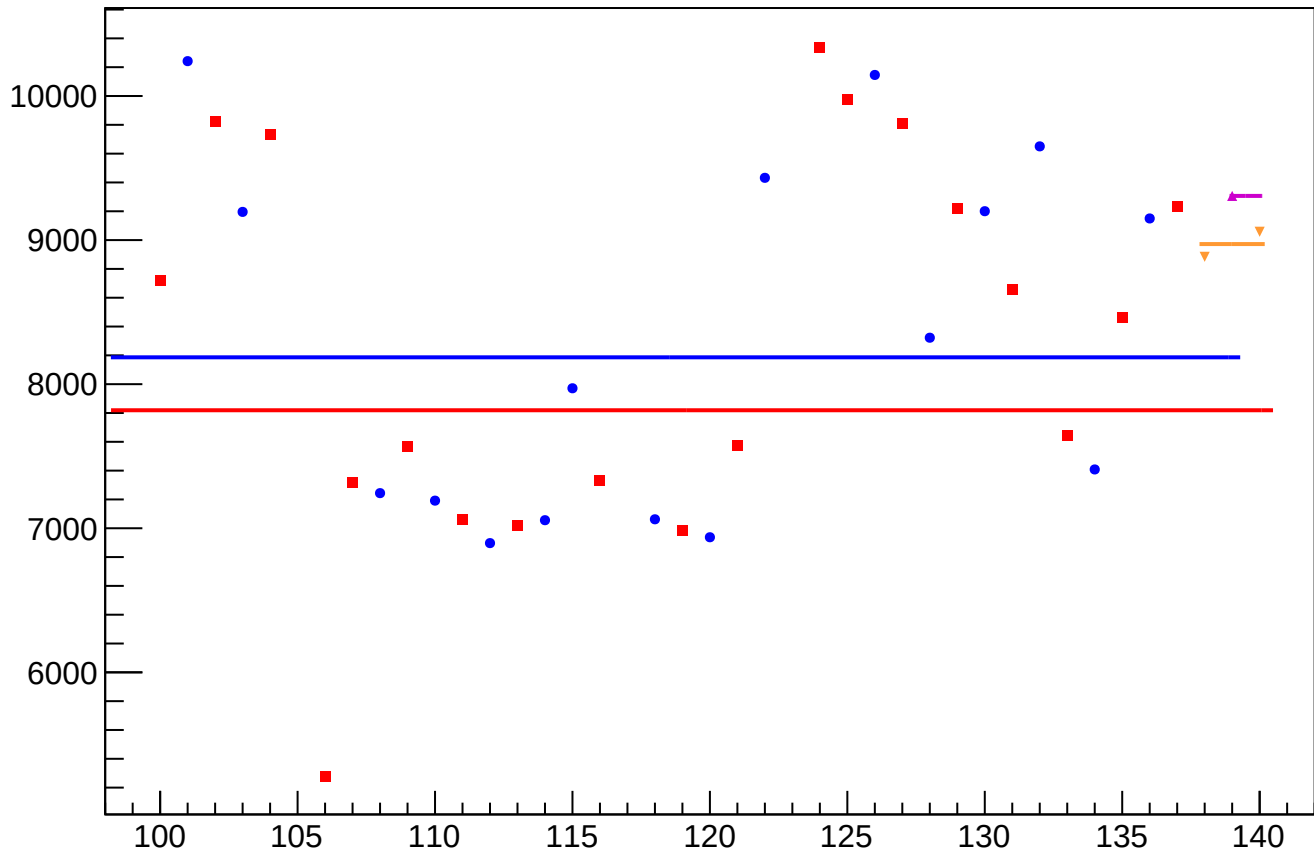
Left In: 28.694 ± 10.192 χ^2/NDF : 0.0/0

+ sign 19.610 ± 2.825 χ^2/NDF : 56.1/17

All: 6.732 ± 1.984 χ^2/NDF : 140.0/37

- sign -5.817 ± 2.788 χ^2/NDF : 42.9/19

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF : 290628.8/15

Left Out: 8972.437+/-4.999 χ^2/NDF : 302.5/1

Right Out: 7818.965+/-2.050 χ^2/NDF : 422998.1/18

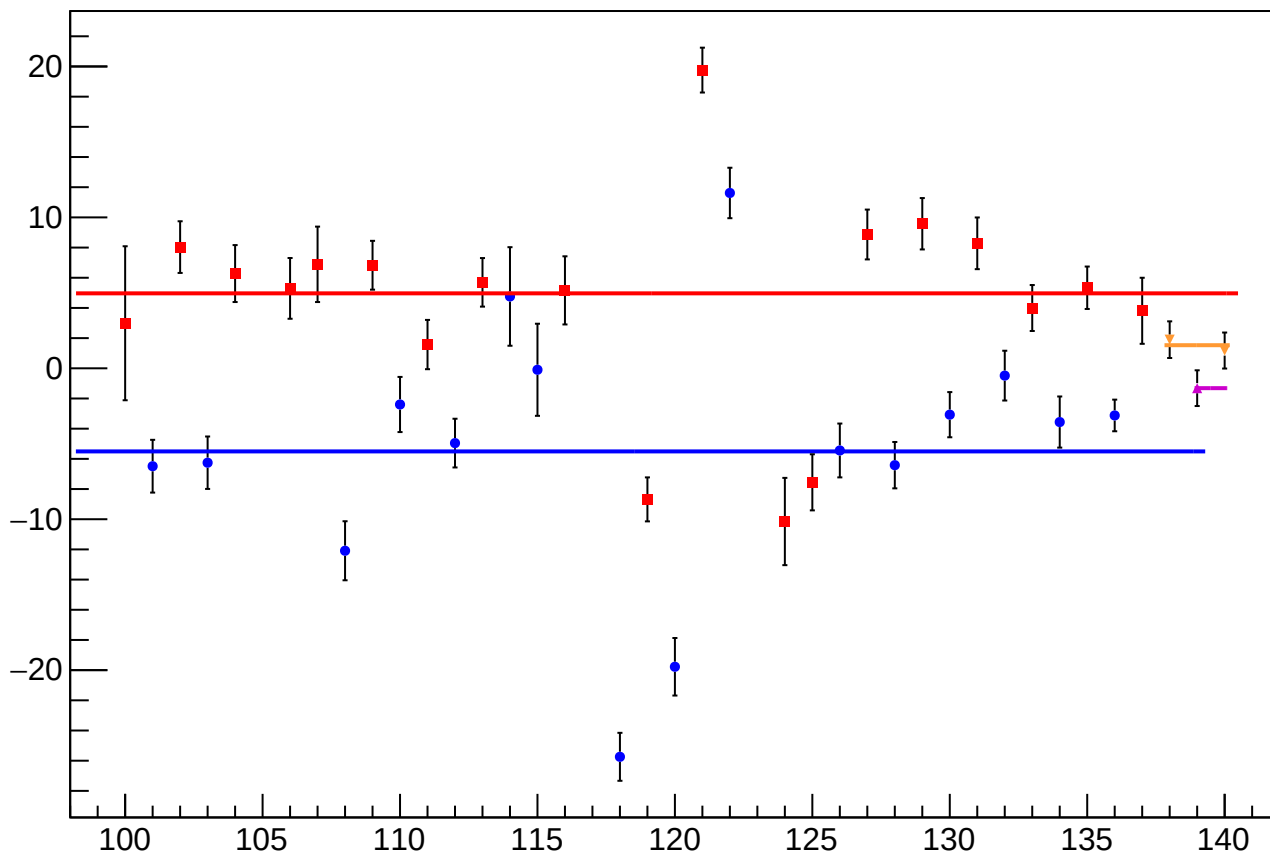
Left In: 9306.633+/-7.207 χ^2/NDF : 0.0/0

+ sign 8311.866+/-1.997 χ^2/NDF : 311711.9/17

All: 8118.618+/-1.403 χ^2/NDF : 792610.7/37

- sign 7930.309+/-1.972 χ^2/NDF : 462416.8/19

diff_bpm0l09Y_mean vs Slug



Right In: -5.506 ± 0.421 χ^2/NDF : 369.8/15

Left Out: 1.531 ± 0.851 χ^2/NDF : 0.2/1

Right Out: 4.967 ± 0.410 χ^2/NDF : 287.3/18

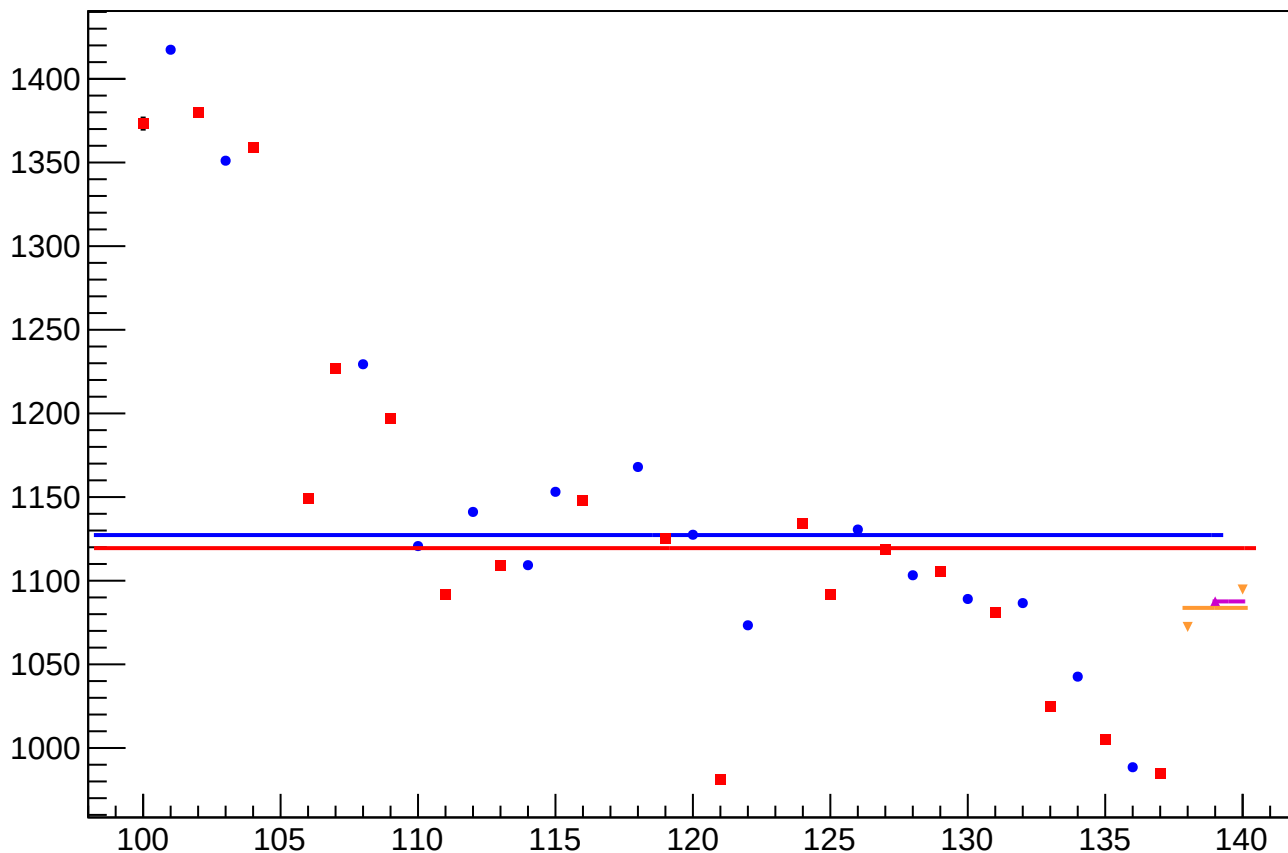
Left In: -1.315 ± 1.184 χ^2/NDF : 0.0/0

+ sign -4.124 ± 0.377 χ^2/NDF : 424.9/17

All: -0.030 ± 0.270 χ^2/NDF : 979.4/37

- sign 4.293 ± 0.388 χ^2/NDF : 312.4/19

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF : 140615.8/15

Left Out: 1083.753+/-0.602 χ^2/NDF : 345.4/1

Right Out: 1119.473+/-0.290 χ^2/NDF : 140736.0/18

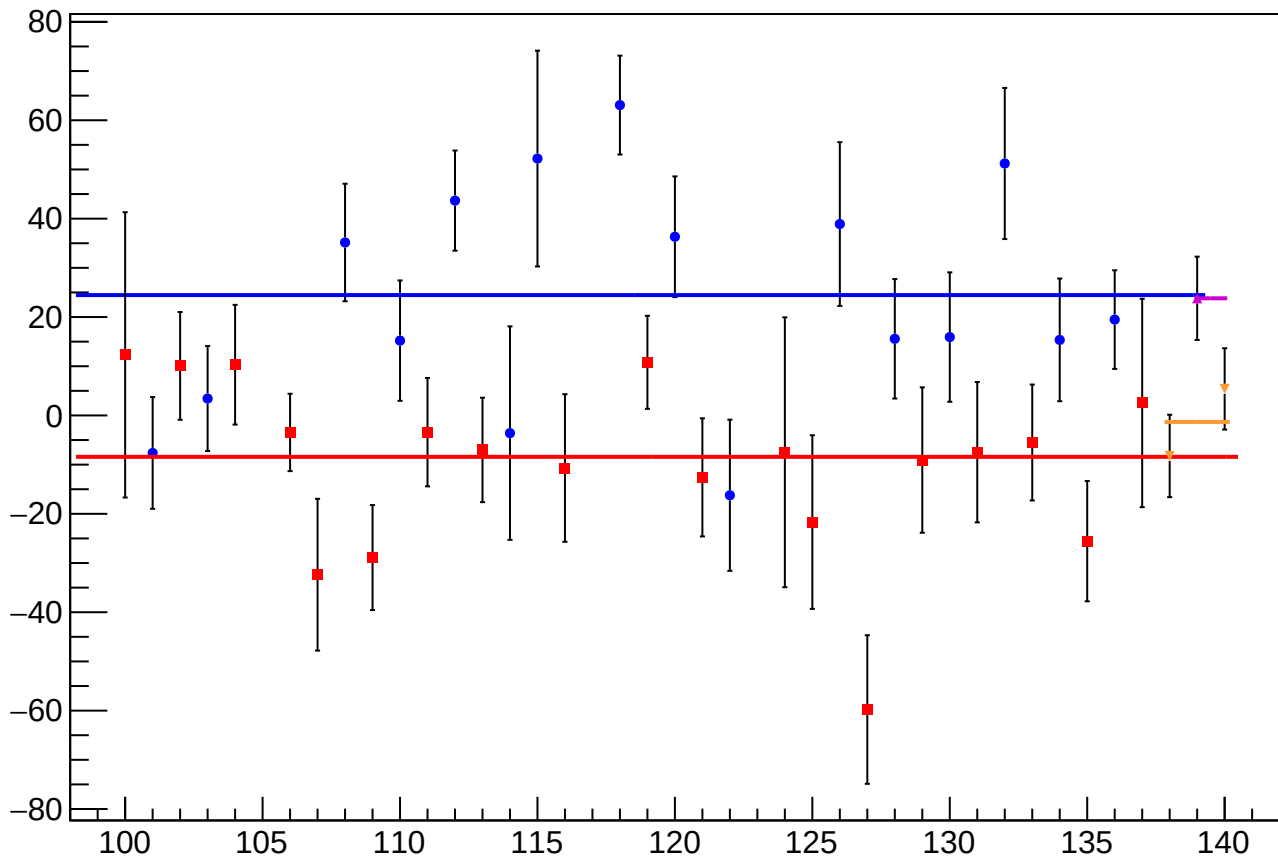
Left In: 1087.615+/-0.837 χ^2/NDF : 0.0/0

+ sign 1118.735+/-0.267 χ^2/NDF : 145166.2/17

All: 1117.432+/-0.191 χ^2/NDF : 287244.5/37

- sign 1116.056+/-0.274 χ^2/NDF : 142029.2/19

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF : 48.3/15

Left Out: -1.323+/-5.884 χ^2/NDF : 1.3/1

Right Out: -8.413+/-2.891 χ^2/NDF : 31.1/18

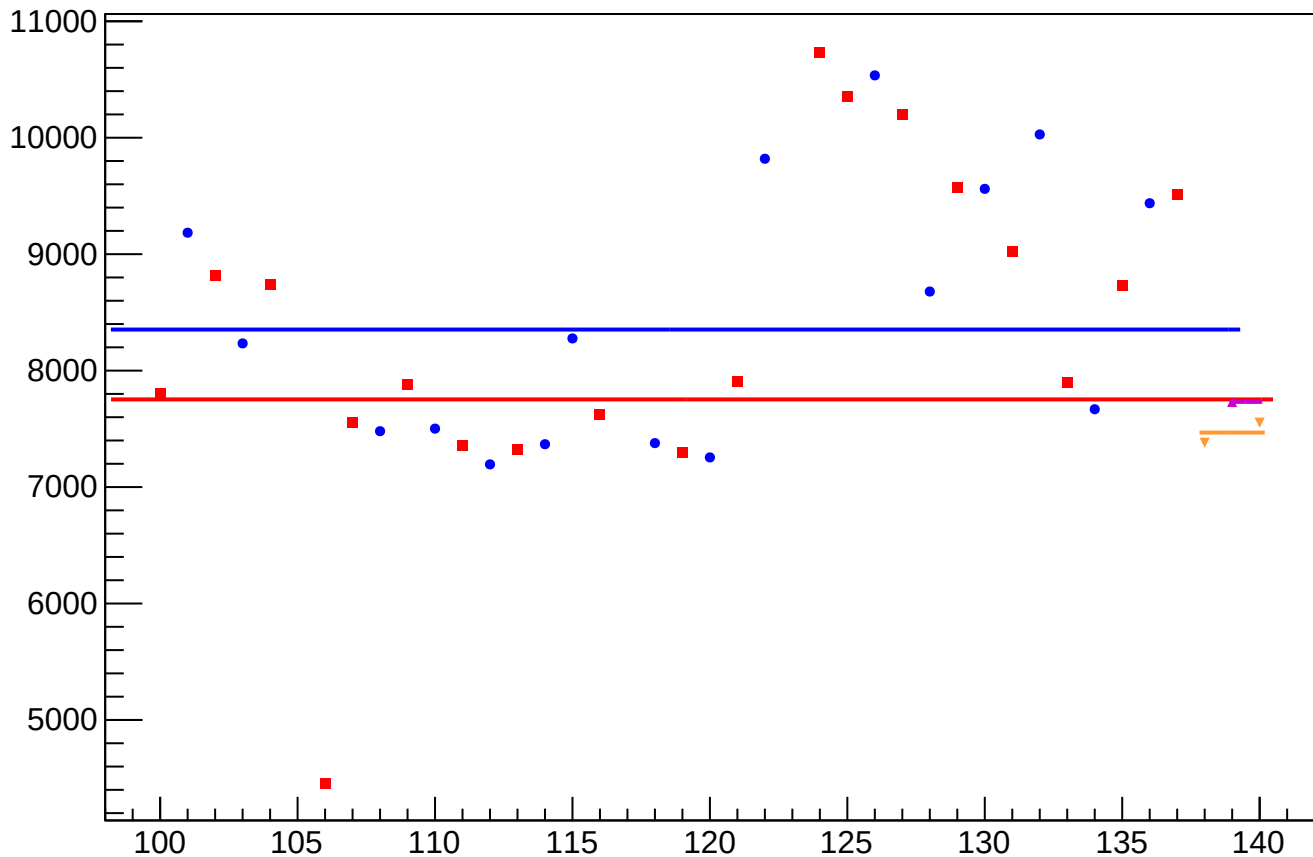
Left In: 23.809+/-8.468 χ^2/NDF : 0.0/0

+ sign 18.758+/-2.768 χ^2/NDF : 64.6/17

All: 6.718+/-1.946 χ^2/NDF : 146.1/37

- sign -5.049+/-2.736 χ^2/NDF : 44.1/19

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF : 220412.5/15

Left Out: 7468.081+/-4.160 χ^2/NDF : 429.8/1

Right Out: 7752.674+/-2.044 χ^2/NDF : 588072.1/18

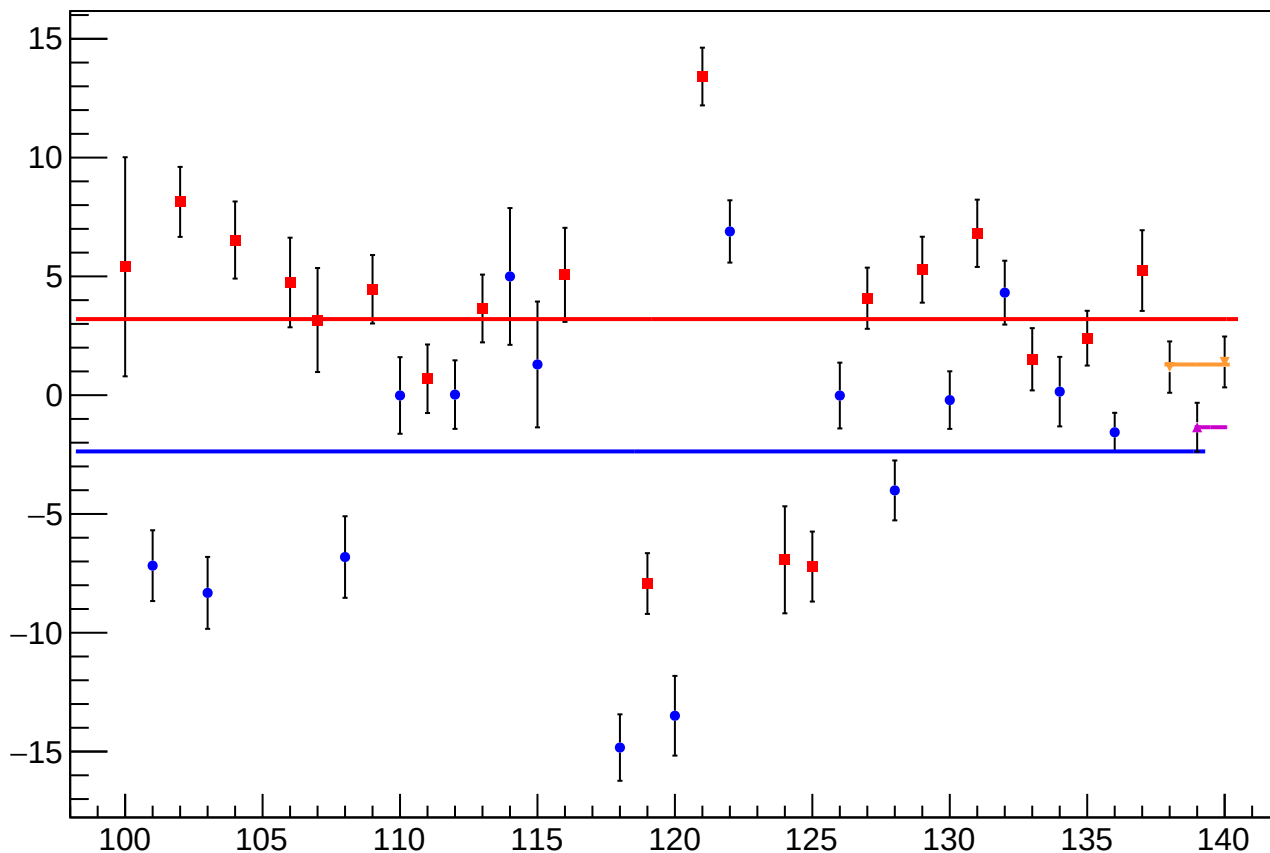
Left In: 7731.321+/-5.987 χ^2/NDF : 0.0/0

+ sign 8157.021+/-1.957 χ^2/NDF : 256054.7/17

All: 7951.394+/-1.376 χ^2/NDF : 865968.7/37

- sign 7750.445+/-1.935 χ^2/NDF : 588083.5/19

diff_bpm0l10Y_mean vs Slug



Right In: -2.368 ± 0.350 χ^2/NDF : 255.6/15

Left Out: 1.291 ± 0.760 χ^2/NDF : 0.0/1

Right Out: 3.203 ± 0.346 χ^2/NDF : 250.5/18

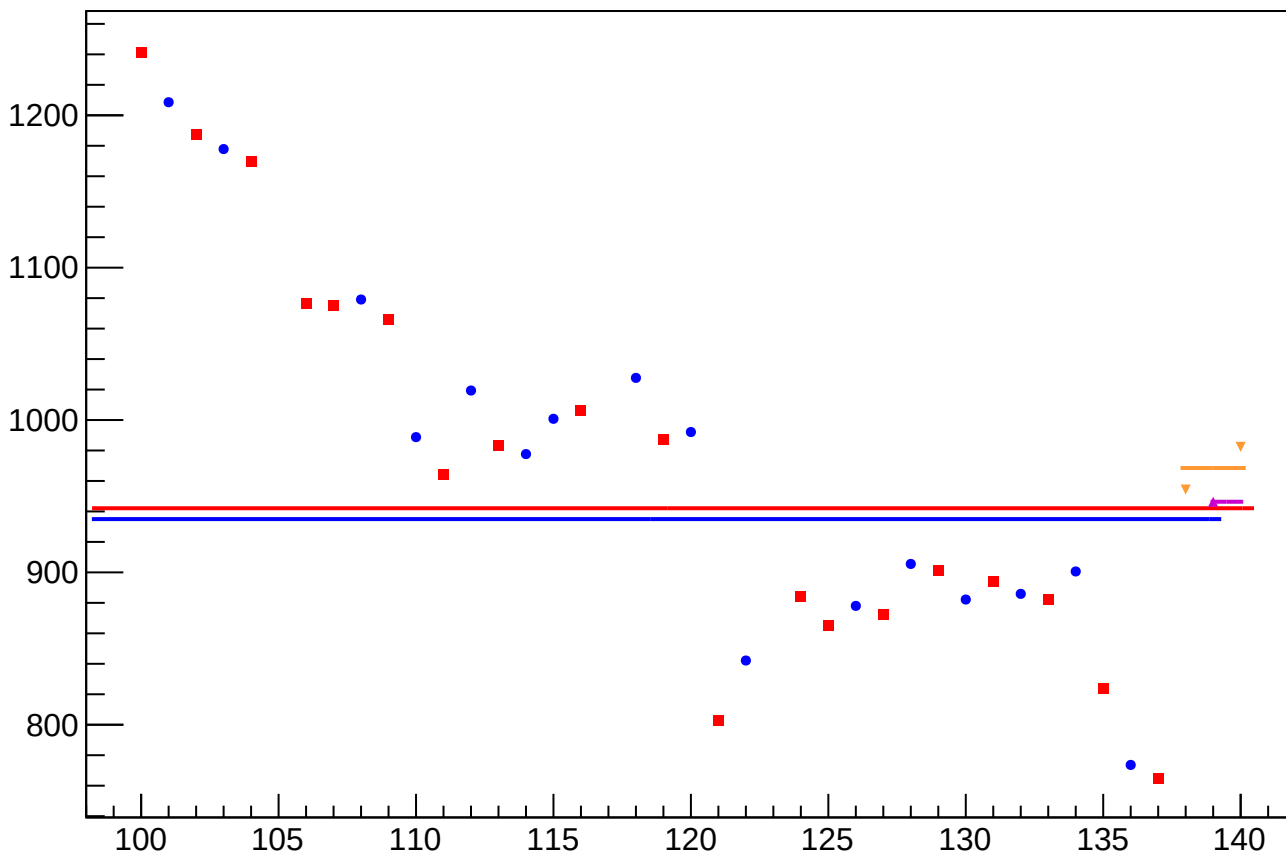
Left In: -1.349 ± 1.029 χ^2/NDF : 0.0/0

+ sign -1.727 ± 0.318 χ^2/NDF : 274.7/17

All: 0.437 ± 0.229 χ^2/NDF : 638.2/37

- sign 2.739 ± 0.328 χ^2/NDF : 268.1/19

diff_bpm0l10Y_rms vs Slug



Right In: 934.975 $\pm$ 0.248 χ^2 /NDF: 254363.7/15

Left Out: 968.498 $\pm$ 0.538 χ^2 /NDF: 680.1/1

Right Out: 942.096 $\pm$ 0.245 χ^2 /NDF: 232453.5/18

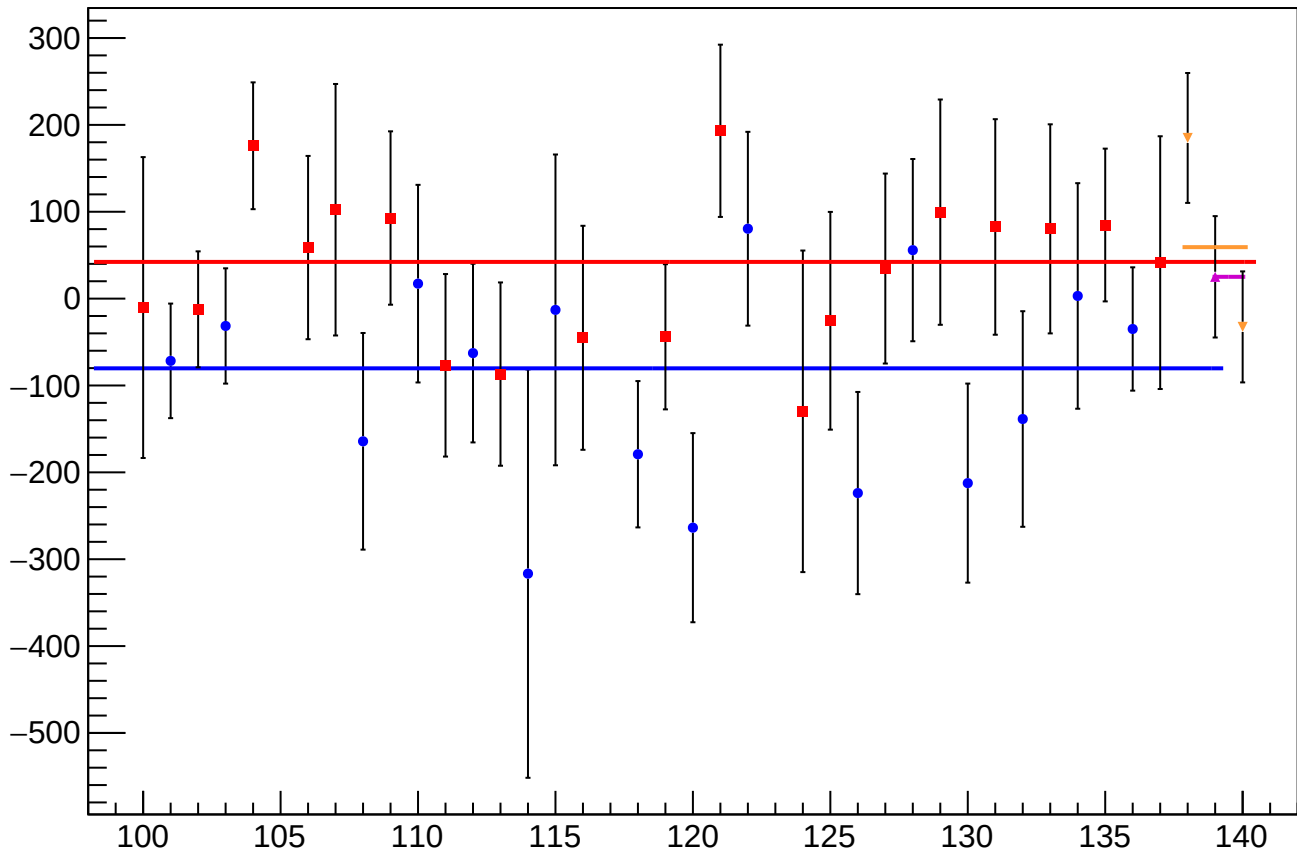
Left In: 946.361 $\pm$ 0.727 χ^2 /NDF: 0.0/0

+ sign 940.847 $\pm$ 0.225 χ^2 /NDF: 258249.4/17

All: 941.662 $\pm$ 0.162 χ^2 /NDF: 490760.9/37

- sign 942.530 $\pm$ 0.232 χ^2 /NDF: 232484.4/19

diff_bpm0r03X_mean vs Slug



Right In: -80.250 ± 24.909 χ^2/NDF : 14.8/15

Left Out: 59.254 ± 48.582 χ^2/NDF : 4.9/1

Right Out: 42.263 ± 24.144 χ^2/NDF : 13.0/18

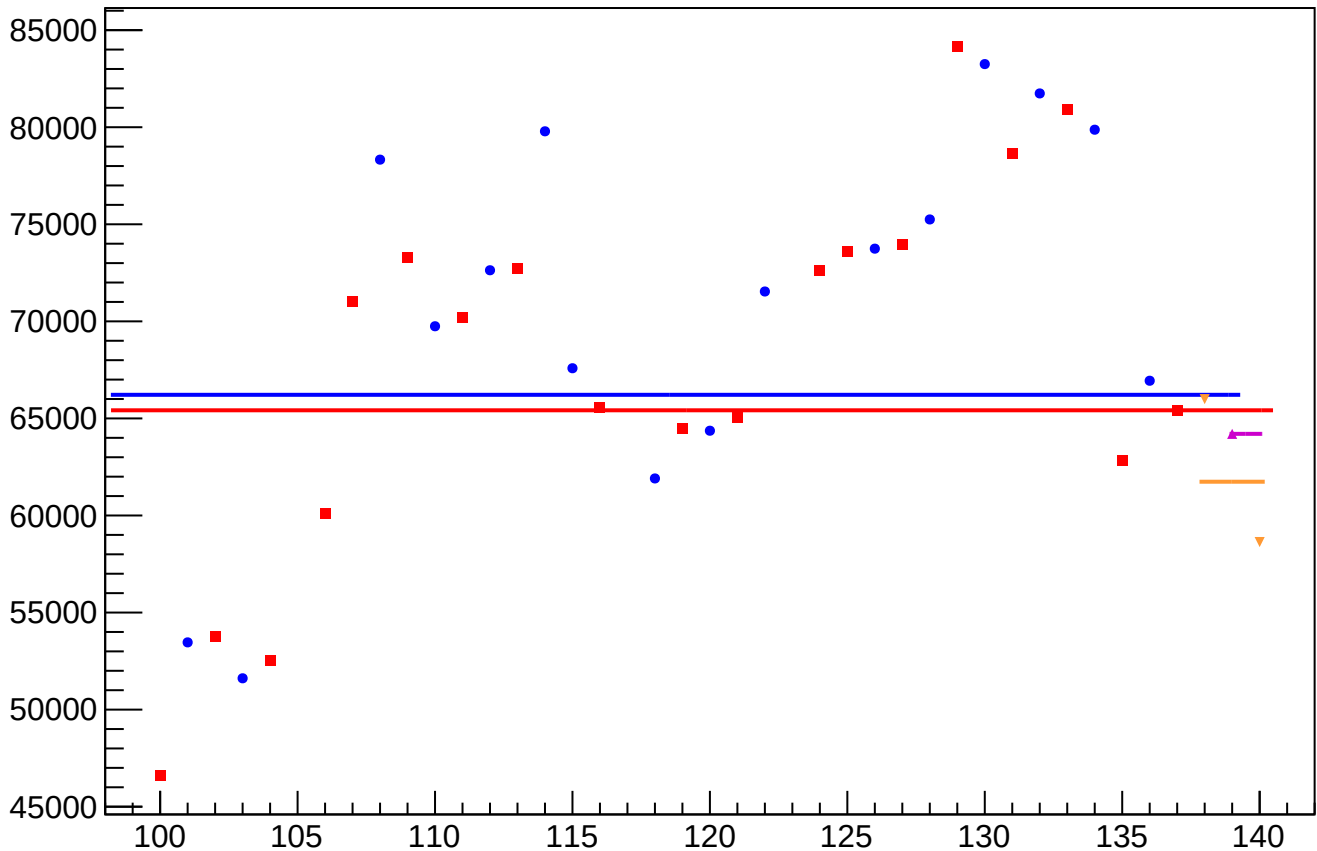
Left In: 25.104 ± 69.865 χ^2/NDF : 0.0/0

+ sign -51.211 ± 22.165 χ^2/NDF : 26.2/17

All: -6.723 ± 15.900 χ^2/NDF : 47.6/37

- sign 40.433 ± 22.820 χ^2/NDF : 13.0/19

diff_bpm0r03X_rms vs Slug



Right In: 66216.115+/-17.613 χ^2/NDF : 338377.6/15

Left Out: 61739.298+/-34.353 χ^2/NDF : 11203.7/1

Right Out: 65418.529+/-17.073 χ^2/NDF : 304555.9/18

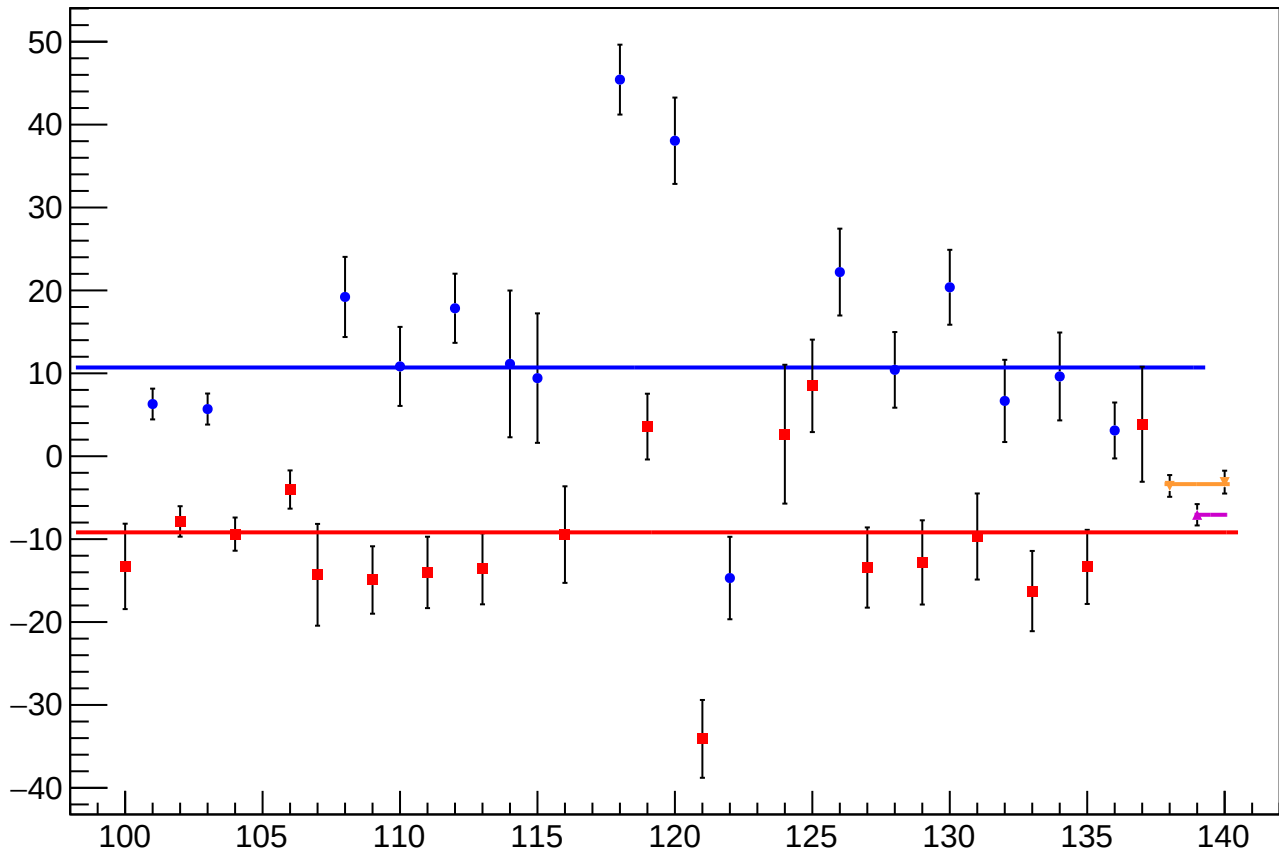
Left In: 64204.965+/-49.402 χ^2/NDF : 0.0/0

+ sign 65284.220+/-15.673 χ^2/NDF : 363029.2/17

All: 65286.568+/-11.243 χ^2/NDF : 668124.3/3

- sign 65289.056+/-16.136 χ^2/NDF : 305095.0/19

diff_bpm0r03Y_mean vs Slug



Right In: 10.705 ± 0.921 $\chi^2/\text{NDF}: 155.6/15$

Left Out: -3.364 ± 0.950 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -9.182 ± 0.850 $\chi^2/\text{NDF}: 69.6/18$

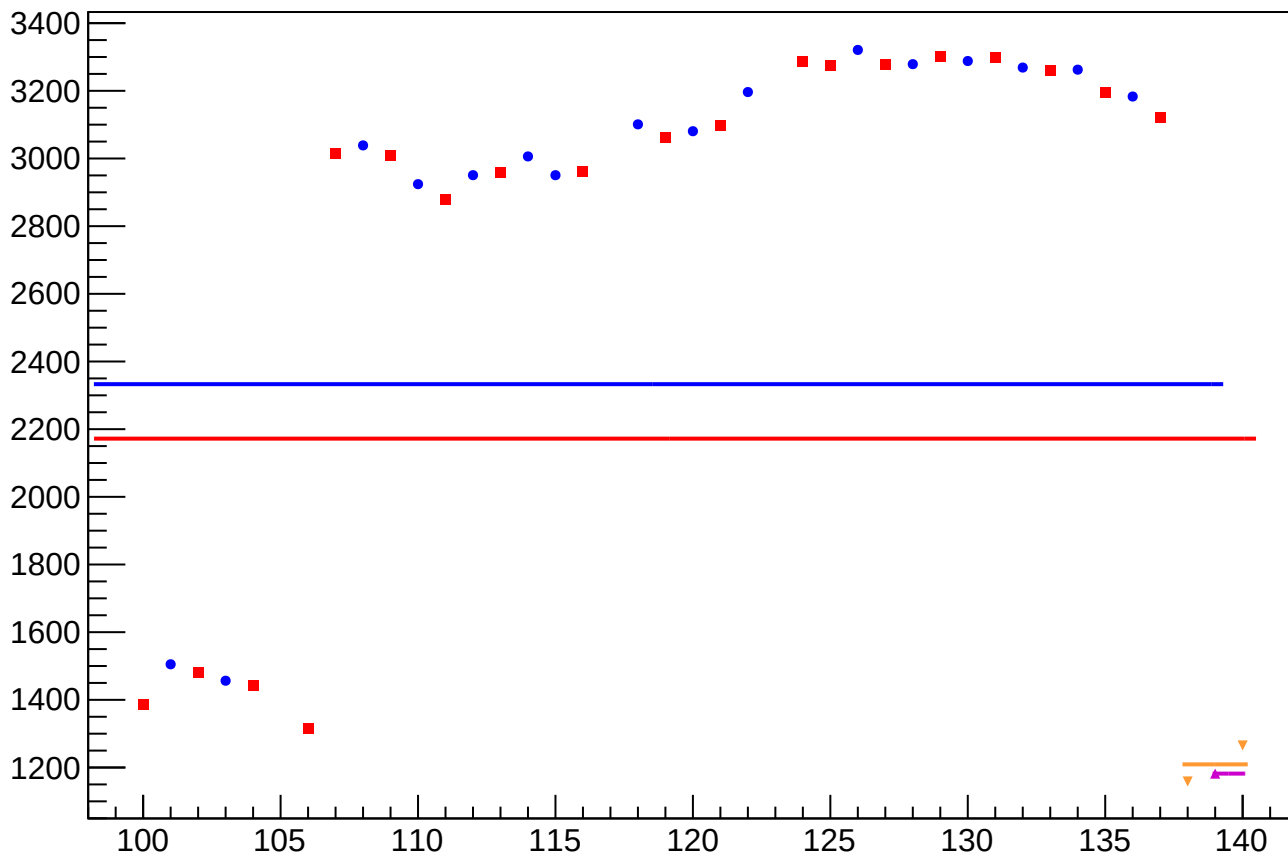
Left In: -7.062 ± 1.287 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3.895 ± 0.661 $\chi^2/\text{NDF}: 268.7/17$

All: -1.886 ± 0.484 $\chi^2/\text{NDF}: 504.5/37$

- sign -8.538 ± 0.709 $\chi^2/\text{NDF}: 71.5/19$

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF : 1651407.8/15

Left Out: 1209.315+/-0.672 χ^2/NDF : 6257.0/1

Right Out: 2172.041+/-0.601 χ^2/NDF : 1984197.6/18

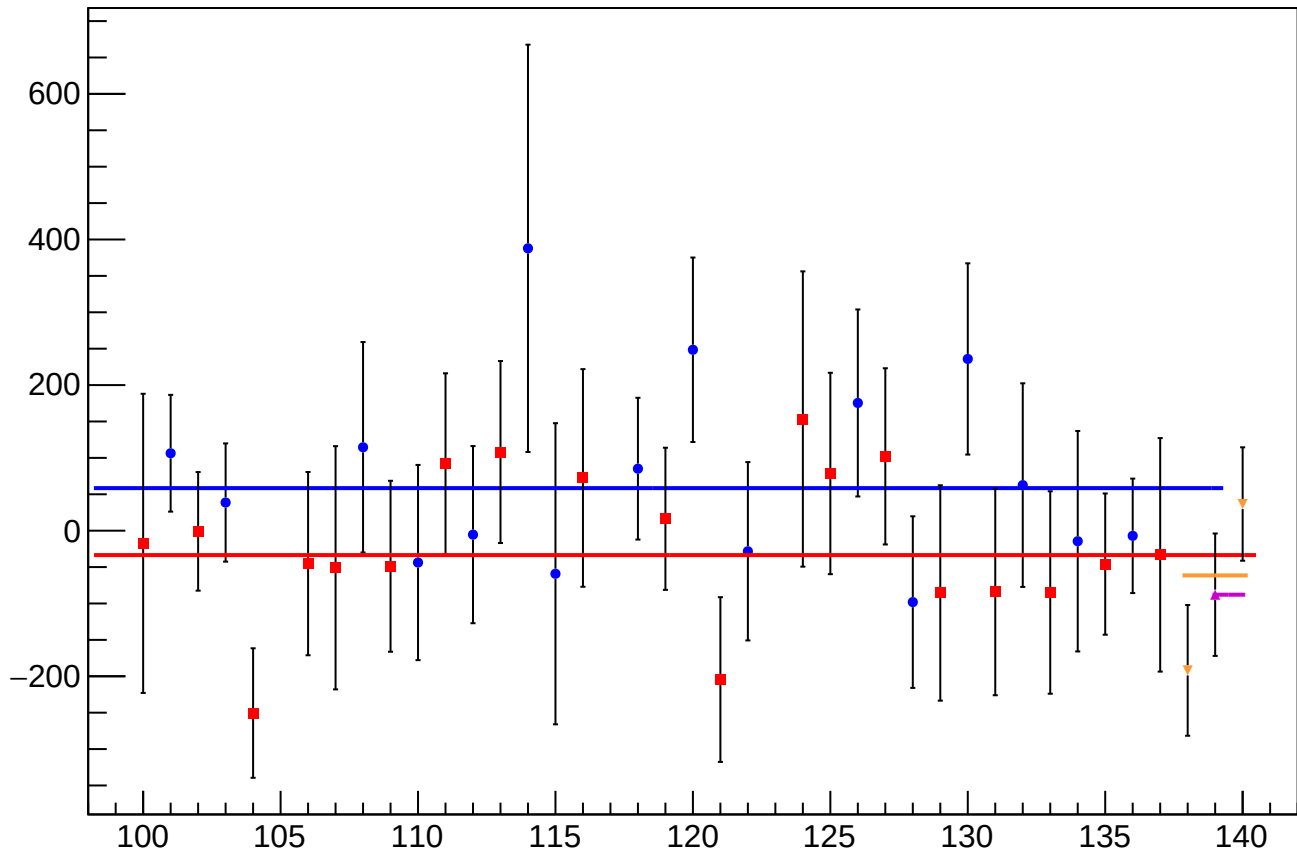
Left In: 1181.982+/-0.910 χ^2/NDF : 0.0/0

+ sign 1789.139+/-0.468 χ^2/NDF : 3100088.8/17

All: 1827.322+/-0.342 χ^2/NDF : 5922704.1/37

- sign 1871.259+/-0.502 χ^2/NDF : 2808273.1/19

diff_bpm0r05X_mean vs Slug



Right In: 58.446 $\pm$ 28.918 χ^2 /NDF: 11.3/15

Left Out: -61.438 $\pm$ 58.842 χ^2 /NDF: 3.7/1

Right Out: -33.520 $\pm$ 28.106 χ^2 /NDF: 14.7/18

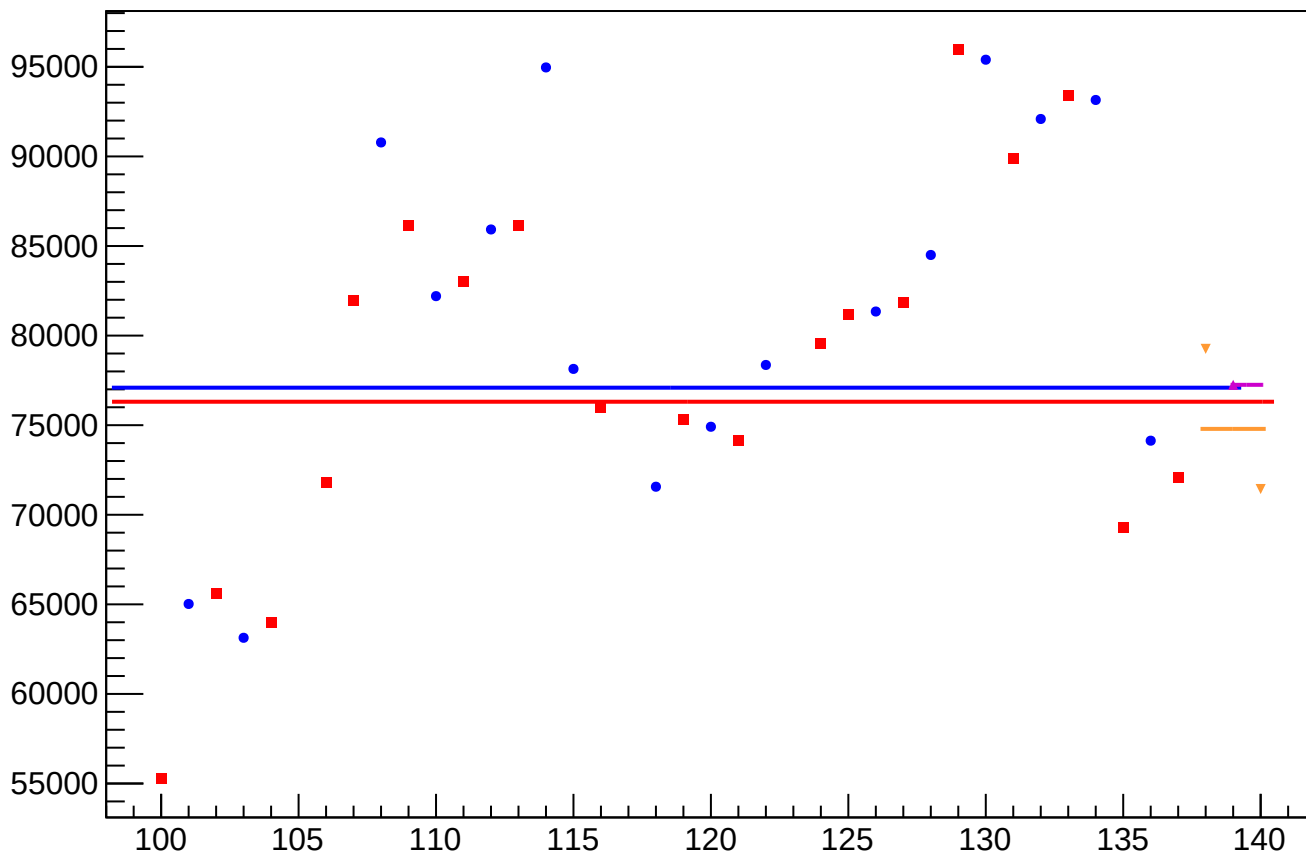
Left In: -87.958 $\pm$ 84.077 χ^2 /NDF: 0.0/0

+ sign 35.124 $\pm$ 25.953 χ^2 /NDF: 18.3/17

All: -0.944 $\pm$ 18.595 χ^2 /NDF: 37.4/37

- sign -38.992 $\pm$ 26.656 χ^2 /NDF: 15.0/19

diff_bpm0r05X_rms vs Slug



Right In: 77093.125+/-20.448 χ^2 /NDF: 248542.7/15

Left Out: 74793.432+/-41.608 χ^2 /NDF:8660.9/1

Right Out: 76308.708+/-19.874 χ^2 /NDF: 234433.2/18

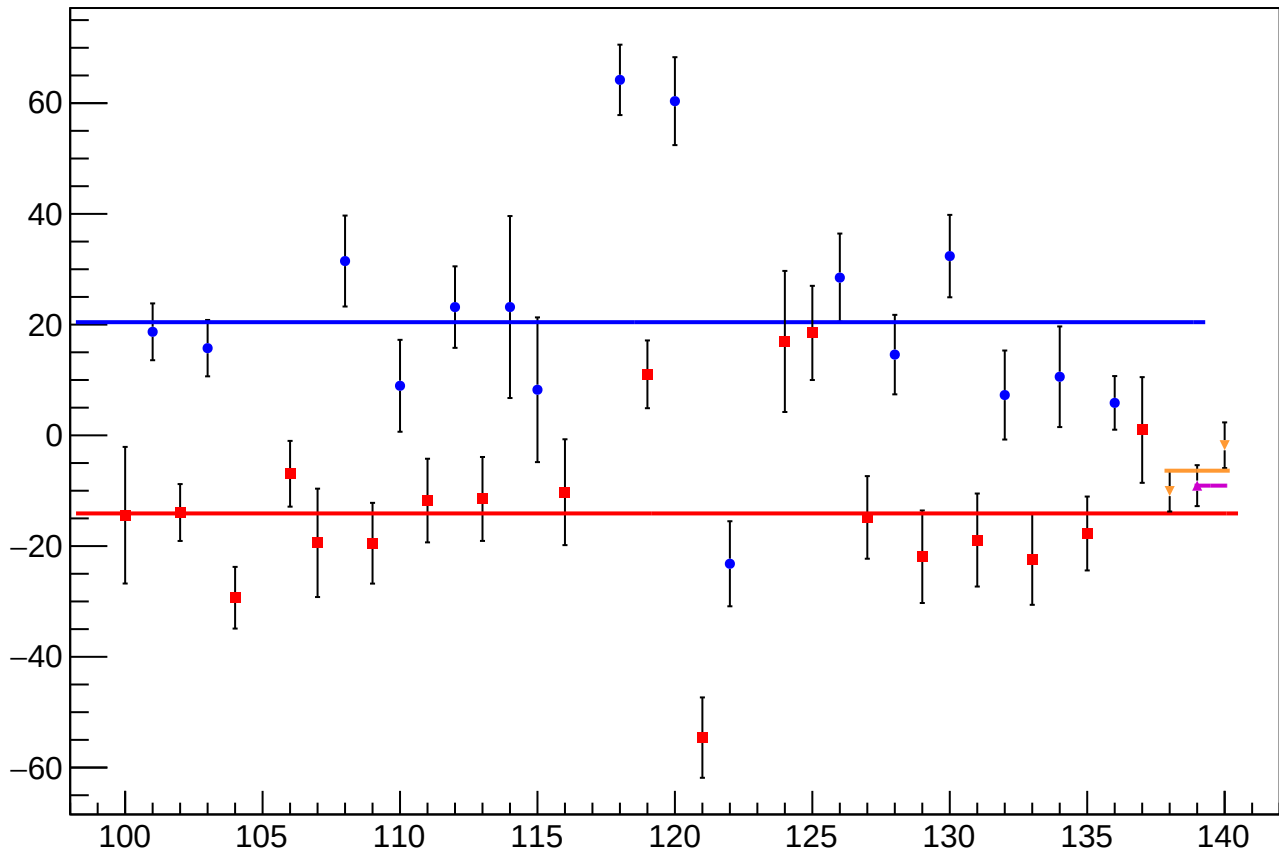
Left In: 77252.533+/-59.452 χ^2 /NDF:0.0/0

+ sign 76645.757+/-18.351 χ^2 /NDF: 259664.3/17

All: 76527.900+/-13.149 χ^2 /NDF: 494408.9/3

- sign 76403.575+/-18.848 χ^2 /NDF: 234659.9/19

diff_bpm0r05Y_mean vs Slug



Right In: 20.441 $\pm$ 1.782 χ^2 /NDF: 127.8/15

Left Out: -6.383 $\pm$ 2.750 χ^2 /NDF: 2.2/1

Right Out: -14.102 $\pm$ 1.714 χ^2 /NDF: 83.8/18

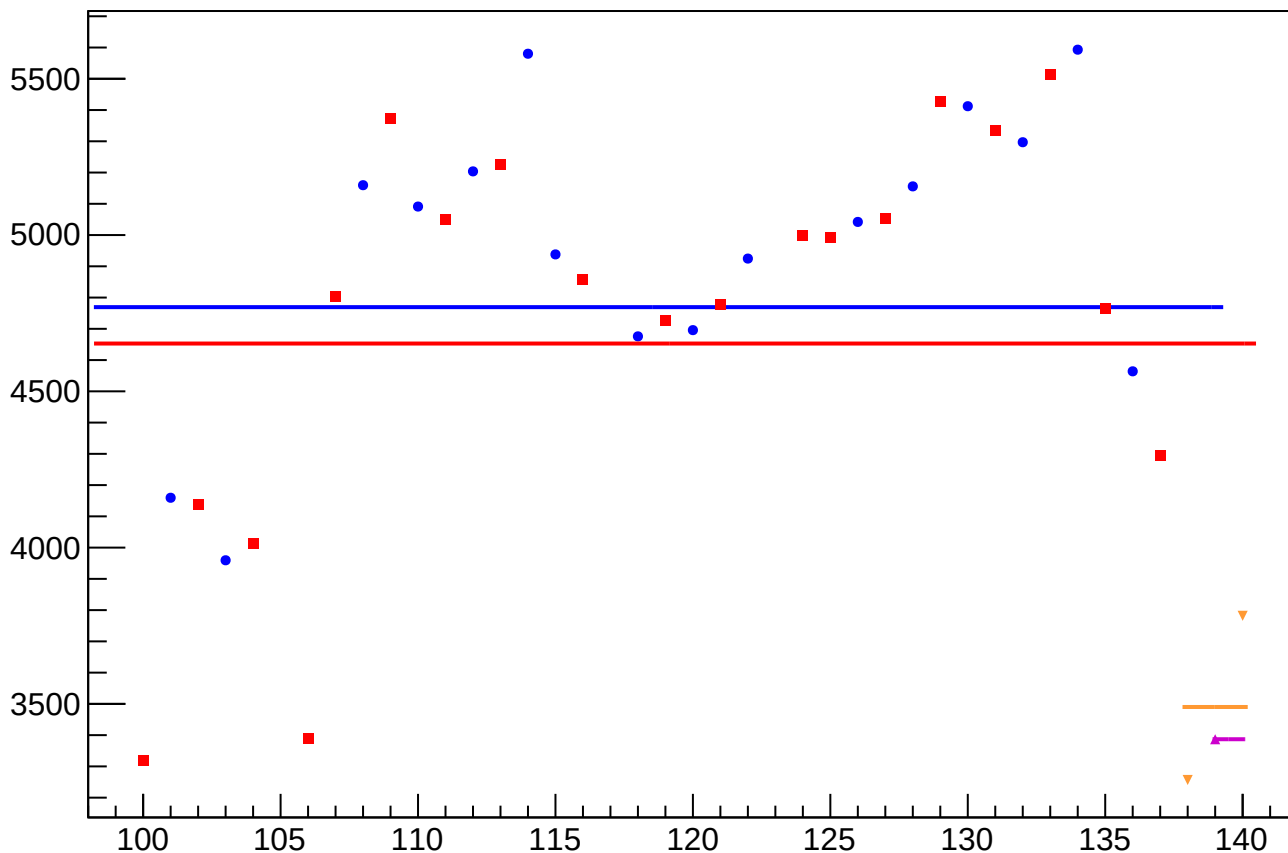
Left In: -9.083 $\pm$ 3.699 χ^2 /NDF: 0.0/0

+ sign 12.508 $\pm$ 1.495 χ^2 /NDF: 197.1/17

All: 0.147 $\pm$ 1.078 χ^2 /NDF: 424.6/37

- sign -13.215 $\pm$ 1.555 χ^2 /NDF: 85.3/19

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF : 151678.3/15

Left Out: 3490.079+/-1.944 χ^2/NDF : 18021.1/1

Right Out: 4652.924+/-1.212 χ^2/NDF : 265116.1/18

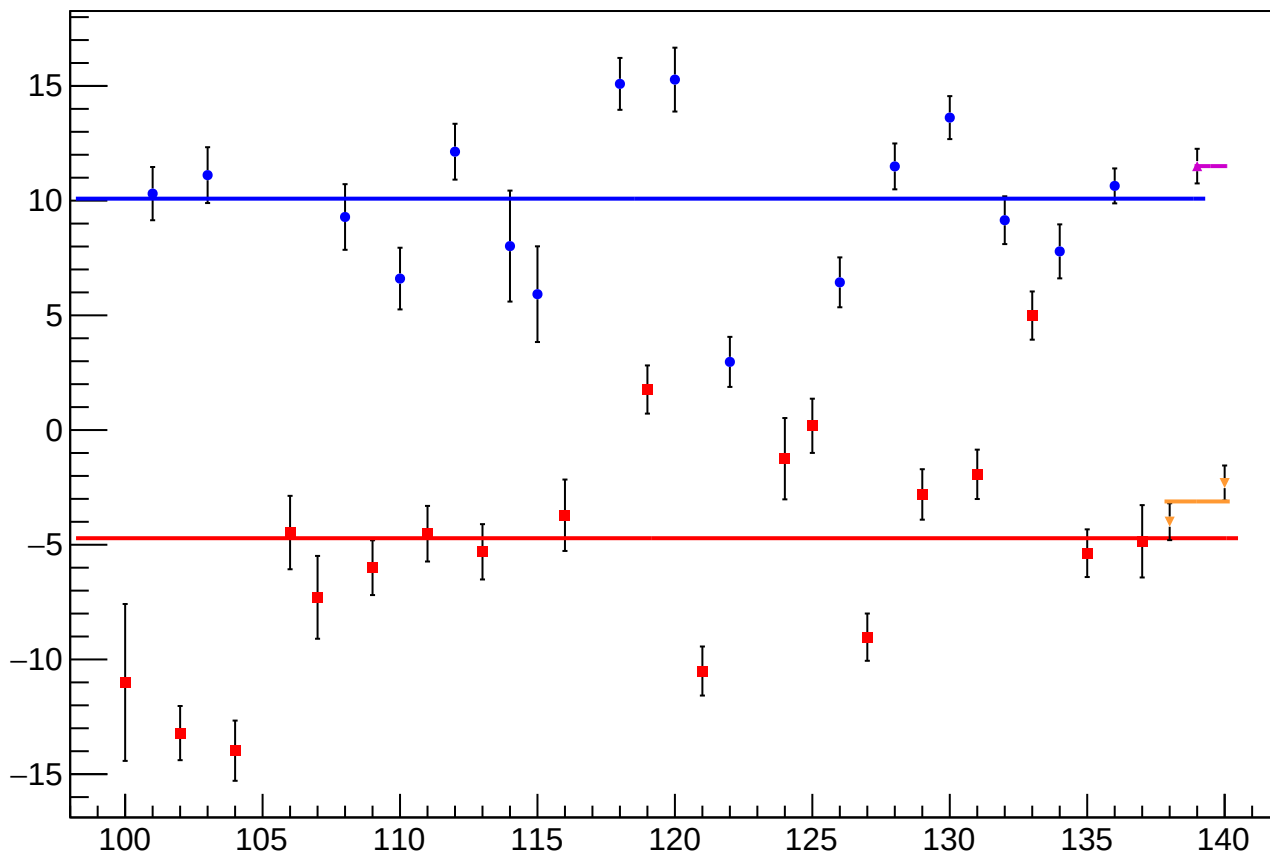
Left In: 3386.916+/-2.615 χ^2/NDF : 0.0/0

+ sign 4391.023+/-1.057 χ^2/NDF : 474559.1/17

All: 4409.371+/-0.762 χ^2/NDF : 933214.9/37

- sign 4429.205+/-1.099 χ^2/NDF : 458029.3/19

diff_bpm2i01X_mean vs Slug



Right In: 10.086 $\pm$ 0.288 χ^2 /NDF: 123.9/15

Left Out: -3.113 $\pm$ 0.554 χ^2 /NDF: 2.3/1

Right Out: -4.715 $\pm$ 0.286 χ^2 /NDF: 310.2/18

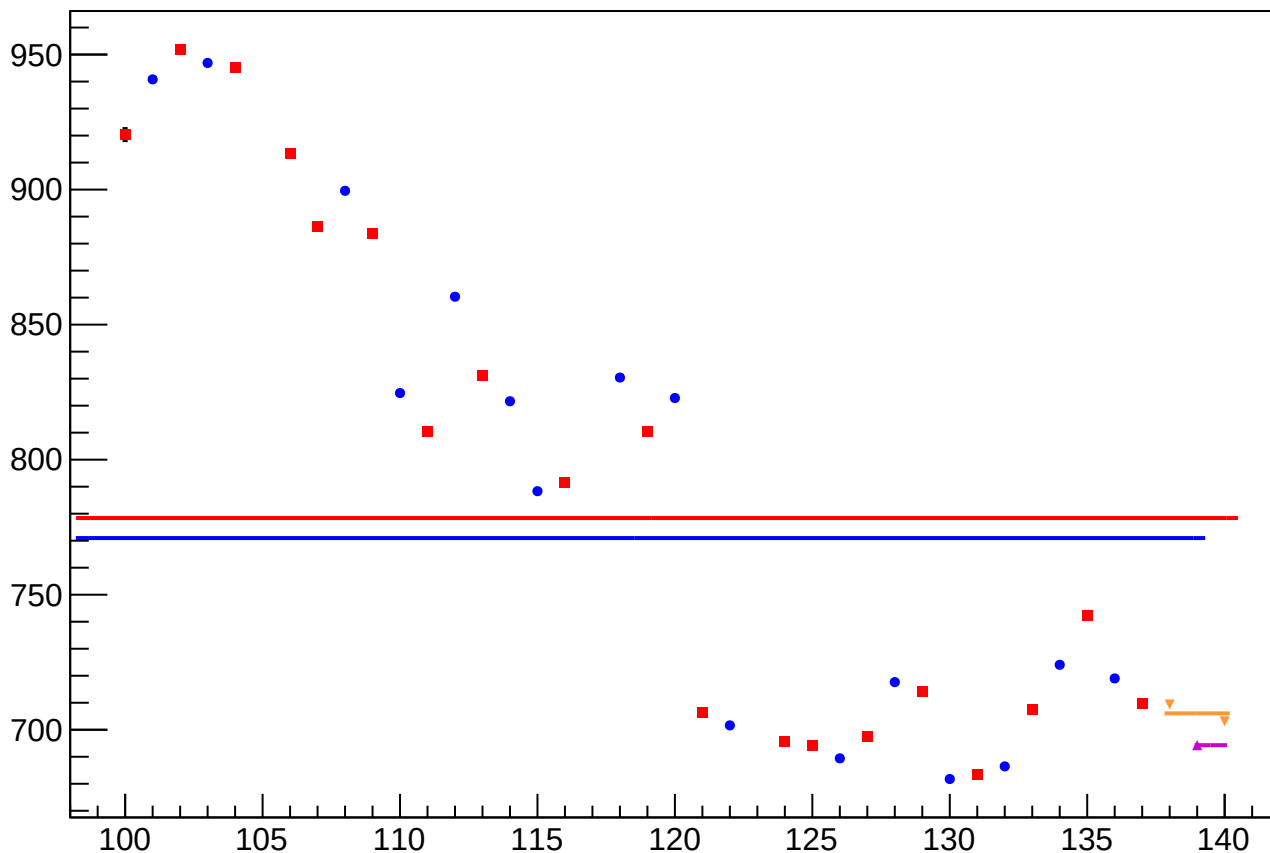
Left In: 11.505 $\pm$ 0.755 χ^2 /NDF: 0.0/0

+ sign 7.276 $\pm$ 0.256 χ^2 /NDF: 572.3/17

All: 2.515 $\pm$ 0.185 χ^2 /NDF: 2010.9/37

- sign -2.680 $\pm$ 0.267 χ^2 /NDF: 714.4/19

diff_bpm2i01X_rms vs Slug



Right In: 770.973 $\pm$ 0.204 χ^2 /NDF: 192911.9/15

Left Out: 706.071 $\pm$ 0.392 χ^2 /NDF:63.9/1

Right Out: 778.394 $\pm$ 0.202 χ^2 /NDF: 196544.2/18

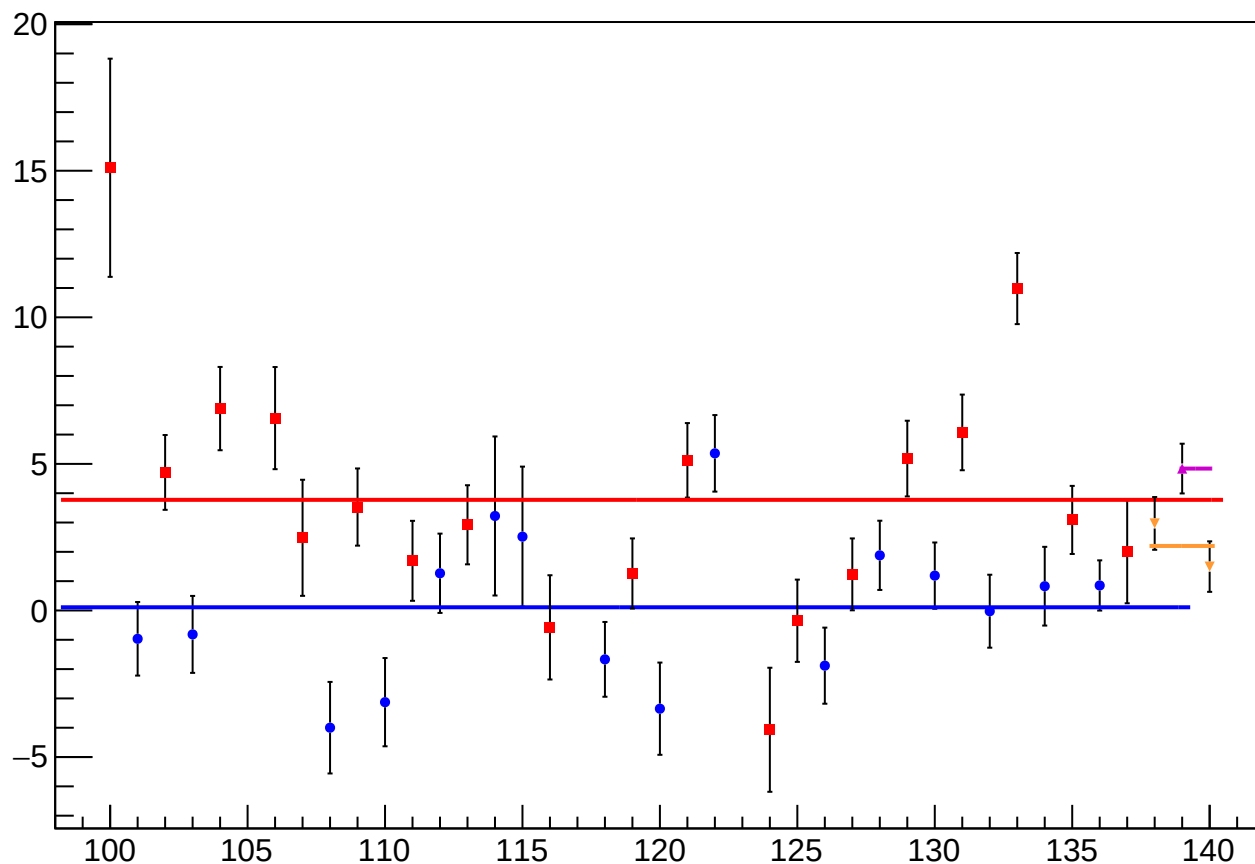
Left In: 694.289 $\pm$ 0.534 χ^2 /NDF:0.0/0

+ sign 757.155 $\pm$ 0.181 χ^2 /NDF: 214544.8/17

All: 762.267 $\pm$ 0.131 χ^2 /NDF: 434489.1/37

- sign 767.845 $\pm$ 0.189 χ^2 /NDF: 218274.7/19

diff_bpm2i01Y_mean vs Slug



Right In: 0.109 $\pm$ 0.330 χ^2 /NDF: 45.4/15

Left Out: 2.201 $\pm$ 0.622 χ^2 /NDF:1.4/1

Right Out: 3.774 $\pm$ 0.326 χ^2 /NDF: 99.6/18

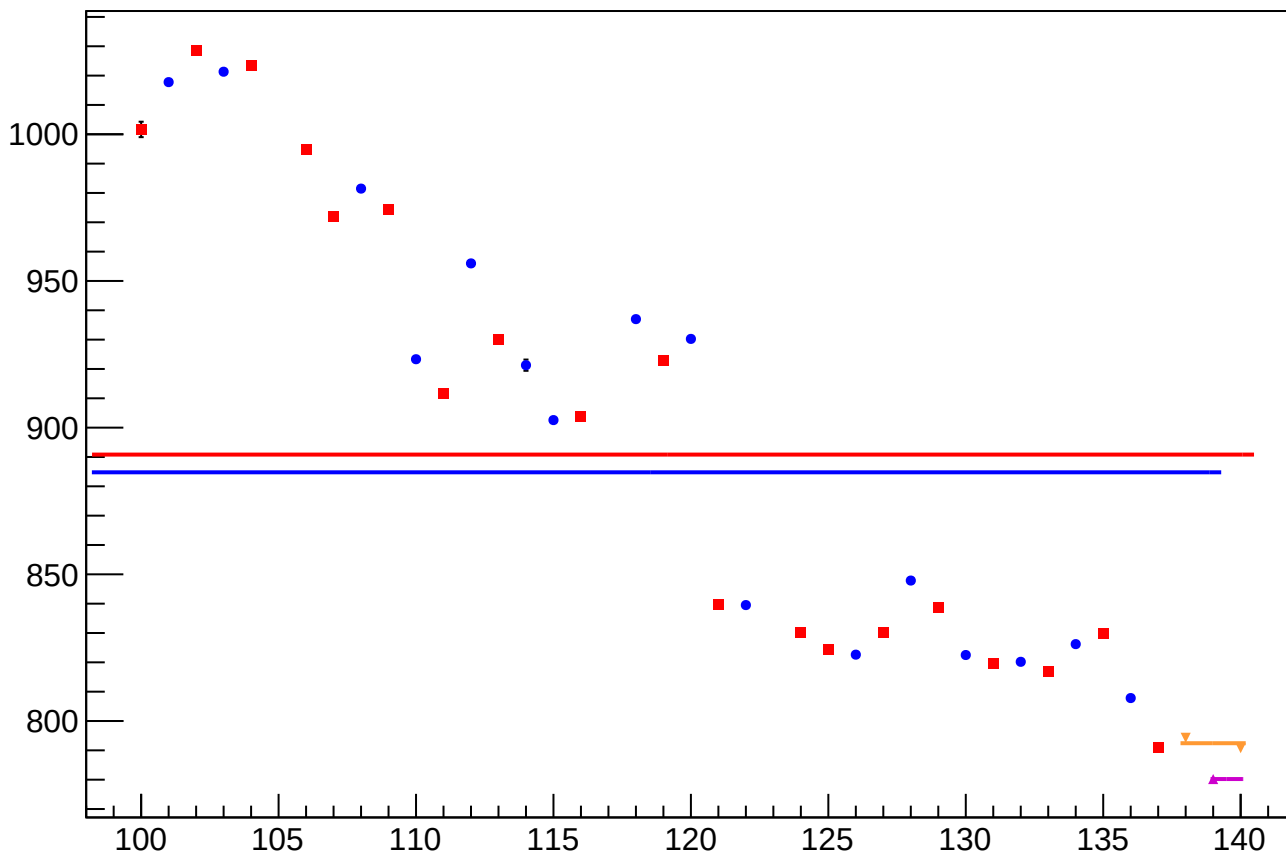
Left In: 4.840 $\pm$ 0.848 χ^2 /NDF:0.0/0

+ sign 0.568 $\pm$ 0.291 χ^2 /NDF: 55.6/17

All: 2.167 $\pm$ 0.211 χ^2 /NDF: 219.5/37

- sign 3.911 $\pm$ 0.304 χ^2 /NDF: 100.9/19

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF : 104494.1/15

Left Out: 792.431+/-0.440 χ^2/NDF :16.2/1

Right Out: 890.815+/-0.231 χ^2/NDF : 107763.6/18

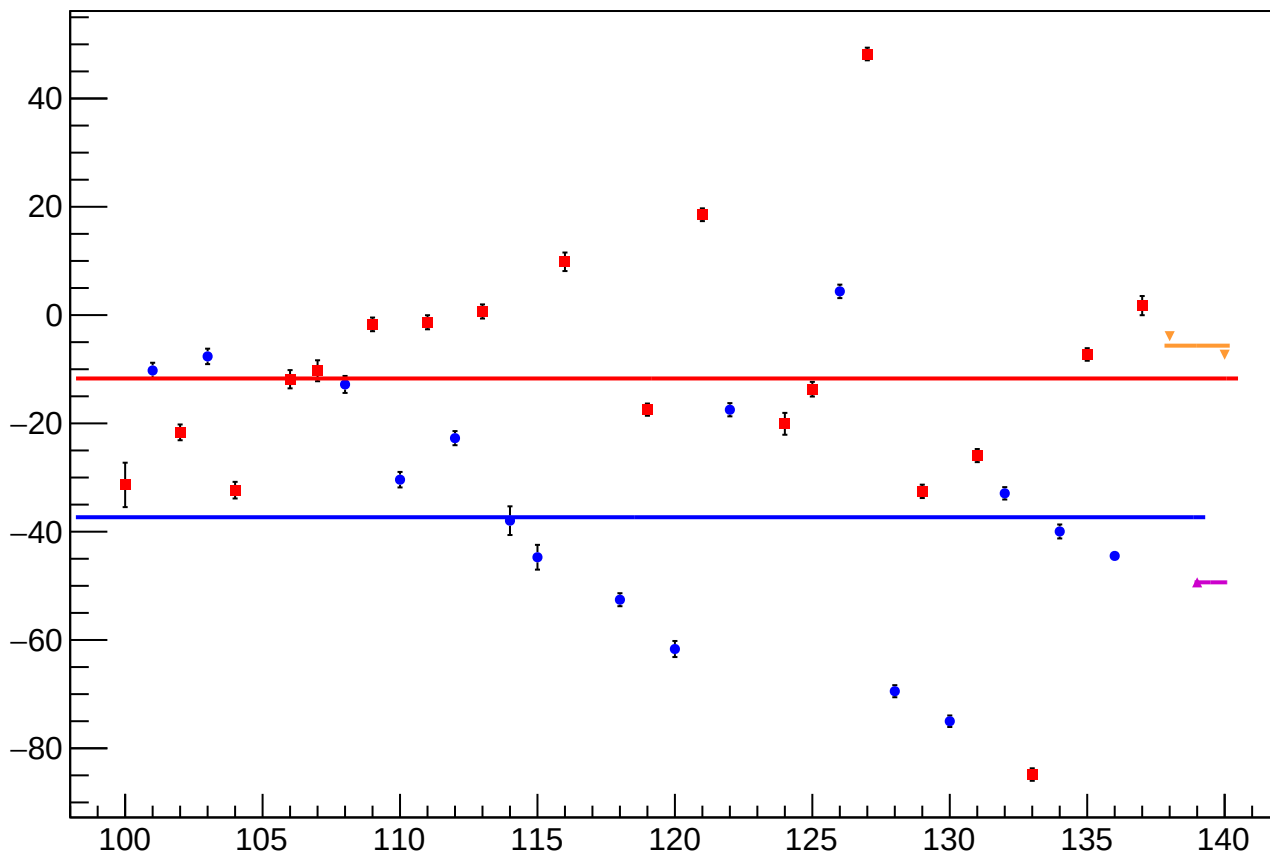
Left In: 780.219+/-0.600 χ^2/NDF :0.0/0

+ sign 864.509+/-0.206 χ^2/NDF : 138897.0/17

All: 870.280+/-0.149 χ^2/NDF : 277933.4/37

- sign 876.572+/-0.215 χ^2/NDF : 137397.4/19

diff_bpm2i02X_mean vs Slug



Right In: -37.330 ± 0.322 χ^2/NDF : 5184.7/15

Left Out: -5.644 ± 0.625 χ^2/NDF : 7.5/1

Right Out: -11.706 ± 0.318 χ^2/NDF : 8463.6/18

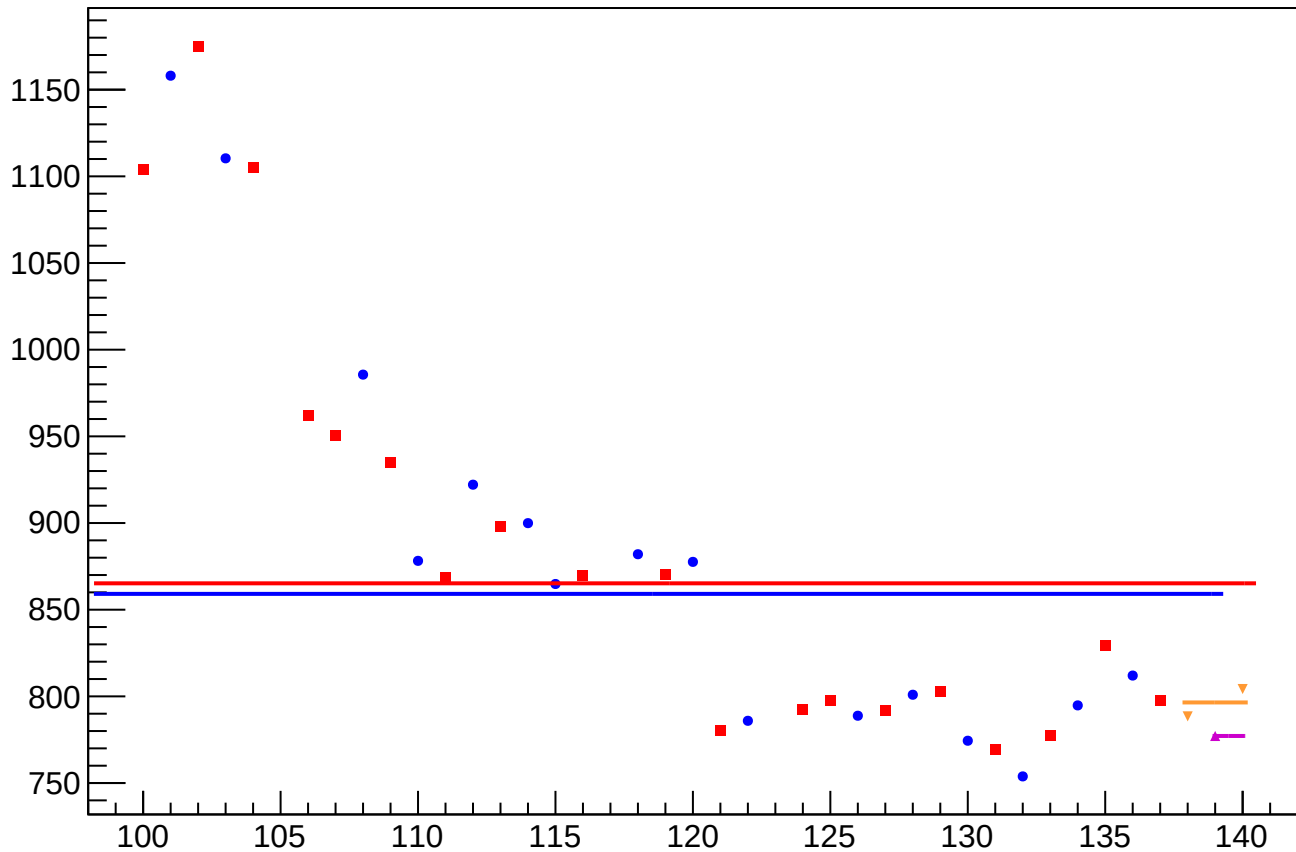
Left In: -49.356 ± 0.845 χ^2/NDF : 0.0/0

+ sign -30.698 ± 0.286 χ^2/NDF : 7222.3/17

All: -23.819 ± 0.206 χ^2/NDF : 18629.8/37

- sign -16.378 ± 0.298 χ^2/NDF : 10204.0/19

diff_bpm2i02X_rms vs Slug



Right In: 859.126 $\pm$ 0.228 χ^2 /NDF: 228710.0/15

Left Out: 796.492 $\pm$ 0.442 χ^2 /NDF:318.3/1

Right Out: 865.213 $\pm$ 0.225 χ^2 /NDF: 223669.1/18

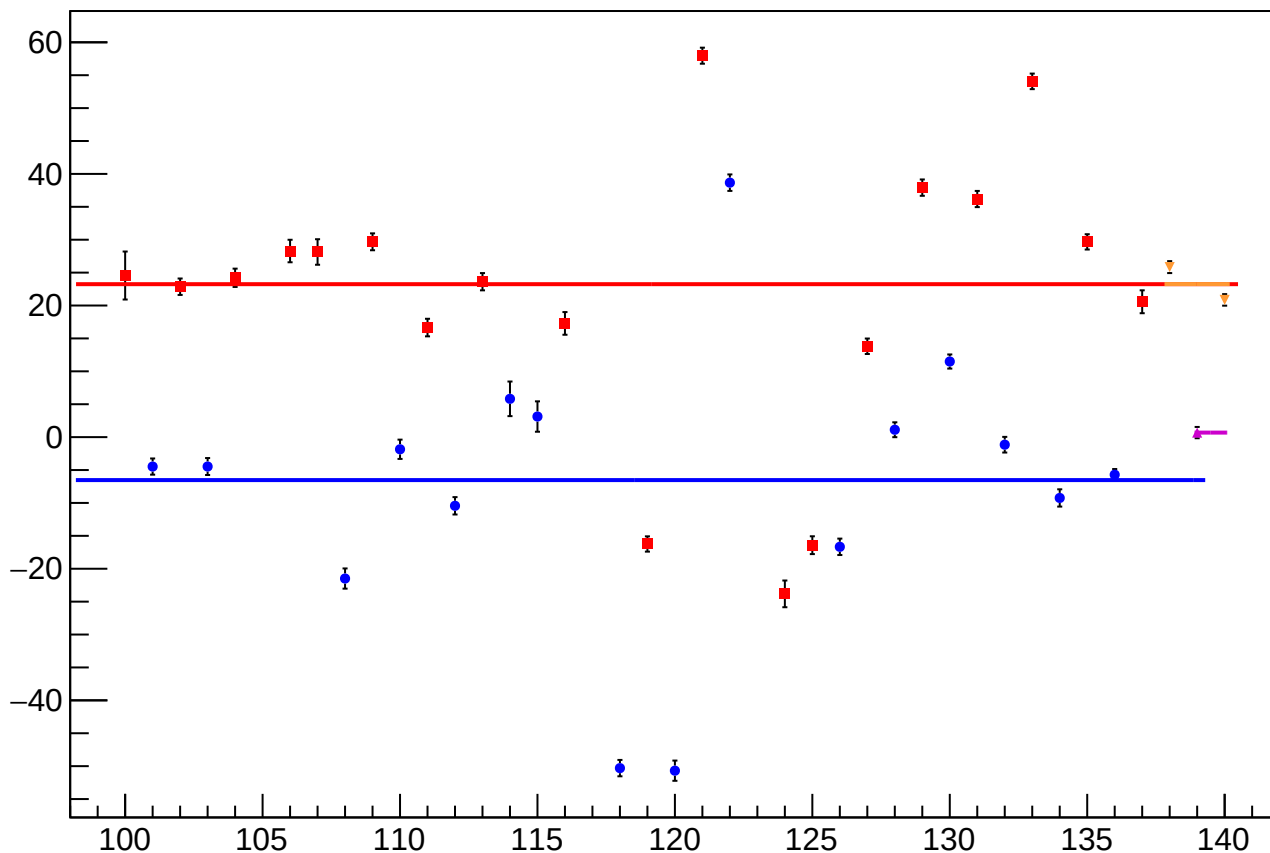
Left In: 777.155 $\pm$ 0.597 χ^2 /NDF:0.0/0

+ sign 846.016 $\pm$ 0.202 χ^2 /NDF: 244893.3/17

All: 849.989 $\pm$ 0.146 χ^2 /NDF: 488406.0/37

- sign 854.286 $\pm$ 0.210 χ^2 /NDF: 242709.9/19

diff_bpm2i02Y_mean vs Slug



Right In: -6.529 ± 0.321 χ^2/NDF : 3946.1/15

Left Out: 23.258 ± 0.630 χ^2/NDF : 15.6/1

Right Out: 23.244 ± 0.317 χ^2/NDF : 4470.0/18

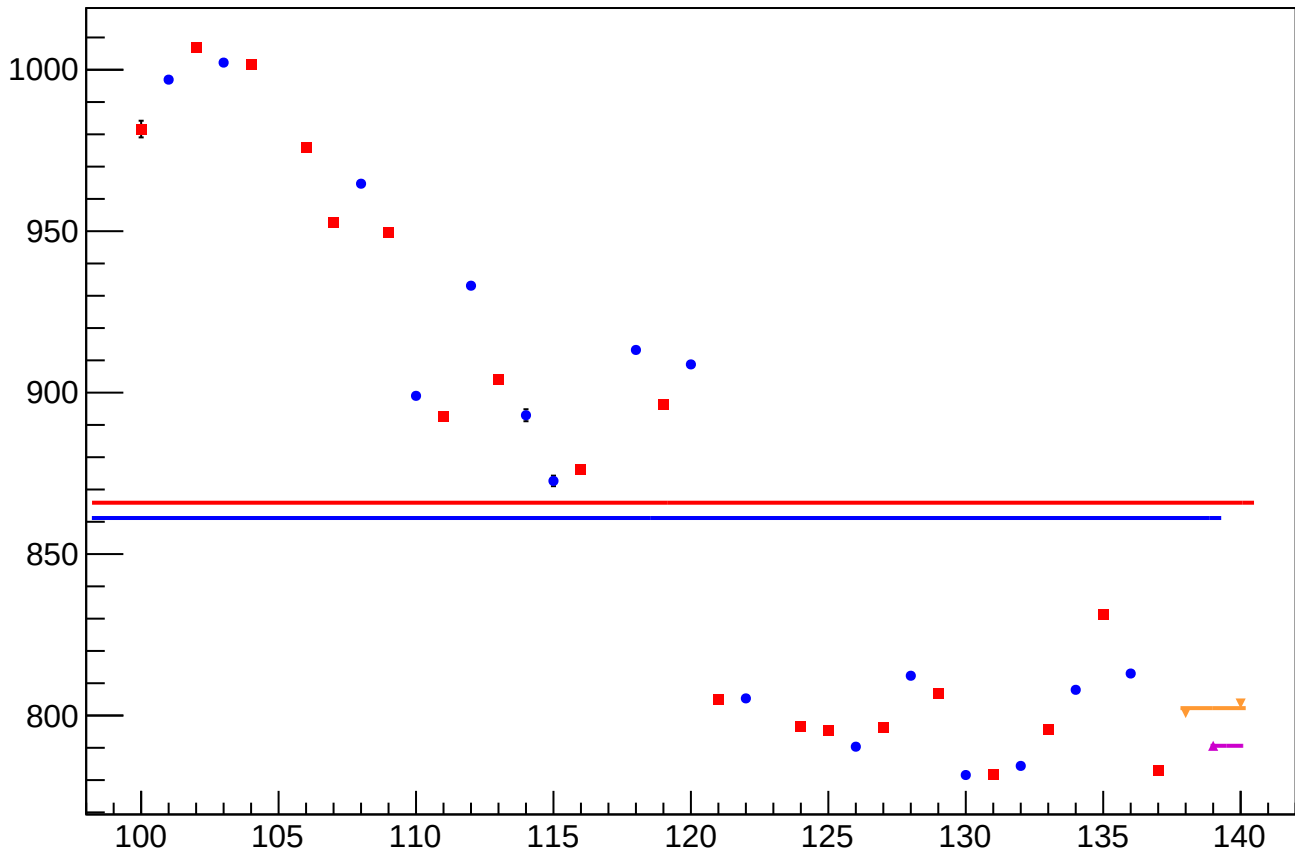
Left In: 0.688 ± 0.859 χ^2/NDF : 0.0/0

+ sign -0.382 ± 0.286 χ^2/NDF : 5736.5/17

All: 9.675 ± 0.206 χ^2/NDF : 13383.0/37

- sign 20.541 ± 0.297 χ^2/NDF : 5076.5/19

diff_bpm2i02Y_rms vs Slug



Right In: 861.169 $\pm$ 0.227 χ^2 /NDF: 113529.7/15

Left Out: 802.287 $\pm$ 0.445 χ^2 /NDF:11.0/1

Right Out: 865.907 $\pm$ 0.224 χ^2 /NDF: 118418.0/18

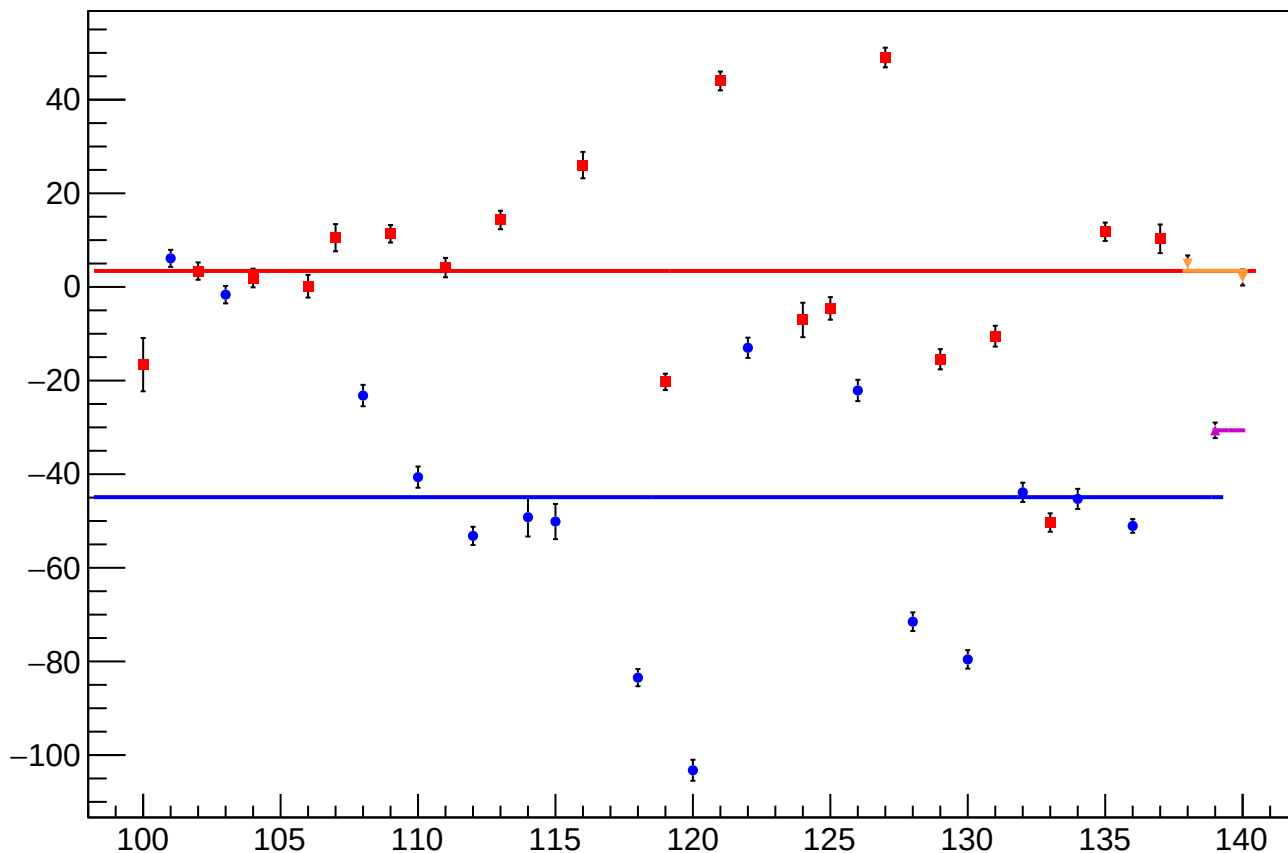
Left In: 790.625 $\pm$ 0.608 χ^2 /NDF:0.0/0

+ sign 849.018 $\pm$ 0.202 χ^2 /NDF: 127412.1/17

All: 852.801 $\pm$ 0.146 χ^2 /NDF: 260069.3/37

- sign 856.888 $\pm$ 0.210 χ^2 /NDF: 131930.0/19

diff_bpm0i02X_mean vs Slug



Right In: -44.905 ± 0.520 $\chi^2/\text{NDF}: 3377.6/15$

Left Out: 3.447 ± 1.222 $\chi^2/\text{NDF}: 1.5/1$

Right Out: 3.416 ± 0.509 $\chi^2/\text{NDF}: 2102.1/18$

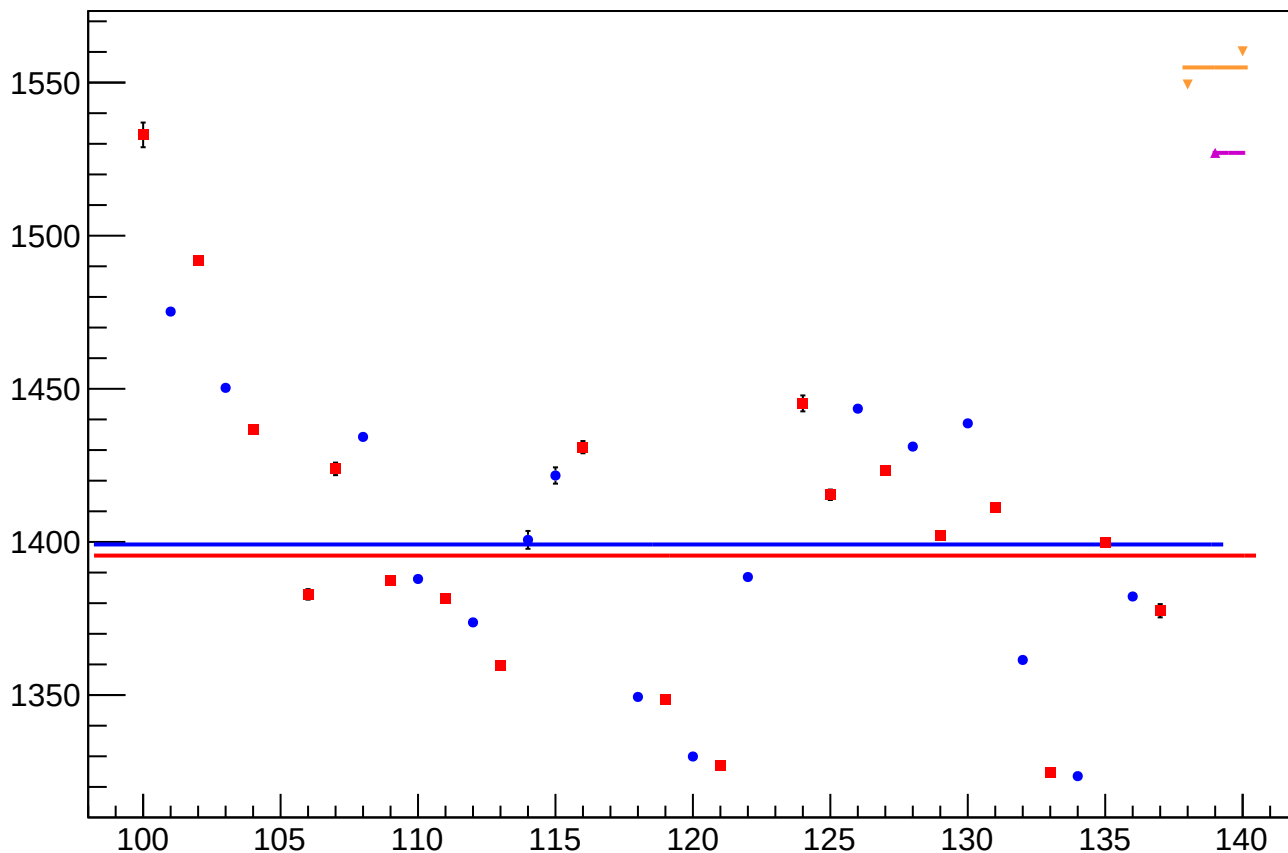
Left In: -30.631 ± 1.661 $\chi^2/\text{NDF}: 0.0/0$

+ sign -37.490 ± 0.478 $\chi^2/\text{NDF}: 4705.5/17$

All: -18.831 ± 0.341 $\chi^2/\text{NDF}: 10288.7/37$

- sign 0.490 ± 0.487 $\chi^2/\text{NDF}: 2486.4/19$

diff_bpm0i02X_rms vs Slug



Right In: 1399.172 $\pm$ 0.368 χ^2 /NDF: 14844.1/15

Left Out: 1554.941 $\pm$ 0.864 χ^2 /NDF: 39.3/1

Right Out: 1395.546 $\pm$ 0.360 χ^2 /NDF: 16240.9/18

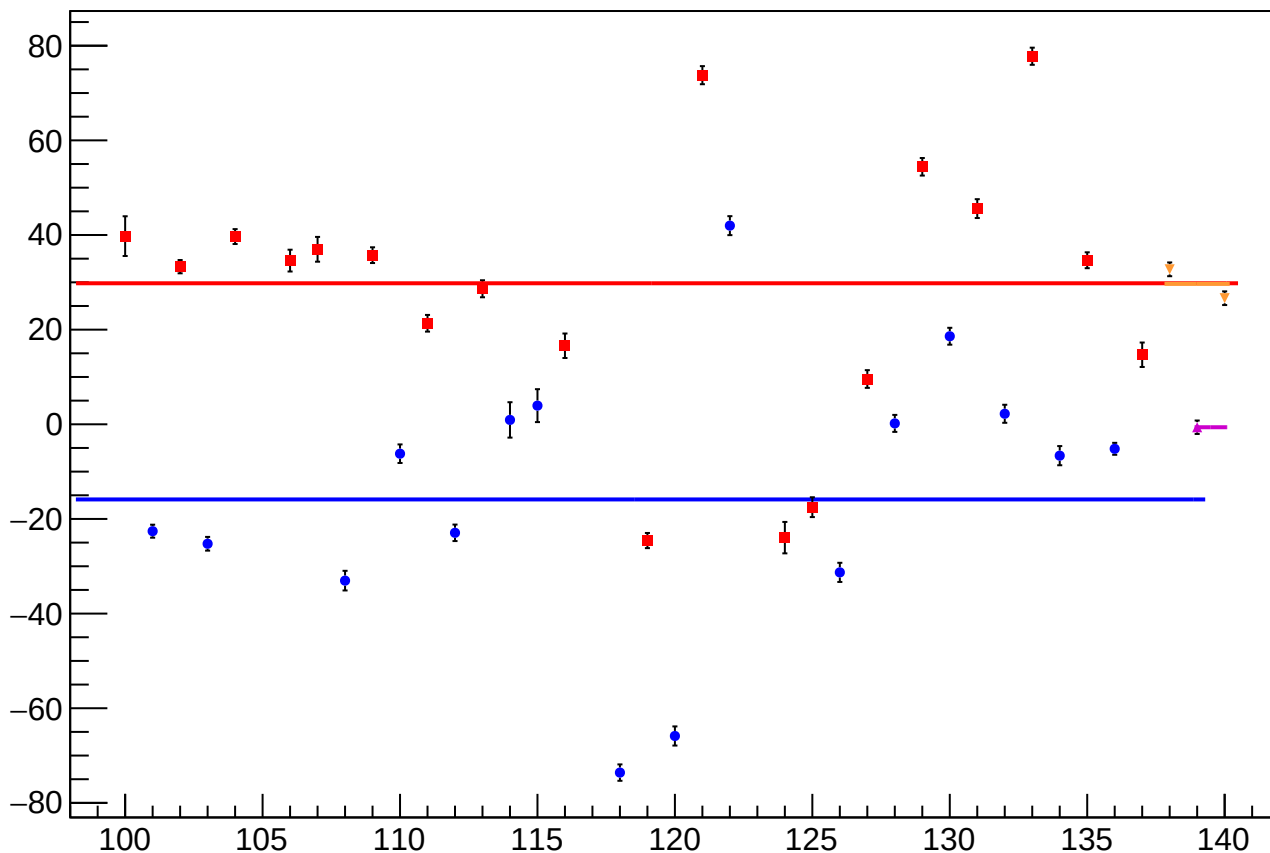
Left In: 1527.043 $\pm$ 1.174 χ^2 /NDF: 0.0/0

+ sign 1423.060 $\pm$ 0.338 χ^2 /NDF: 42417.3/17

All: 1415.094 $\pm$ 0.241 χ^2 /NDF: 71250.6/37

- sign 1406.846 $\pm$ 0.344 χ^2 /NDF: 27704.4/19

diff_bpm0i02Y_mean vs Slug



Right In: -15.878 ± 0.455 χ^2/NDF : 3477.8/15

Left Out: 29.675 ± 1.025 χ^2/NDF : 8.9/1

Right Out: 29.801 ± 0.444 χ^2/NDF : 3681.2/18

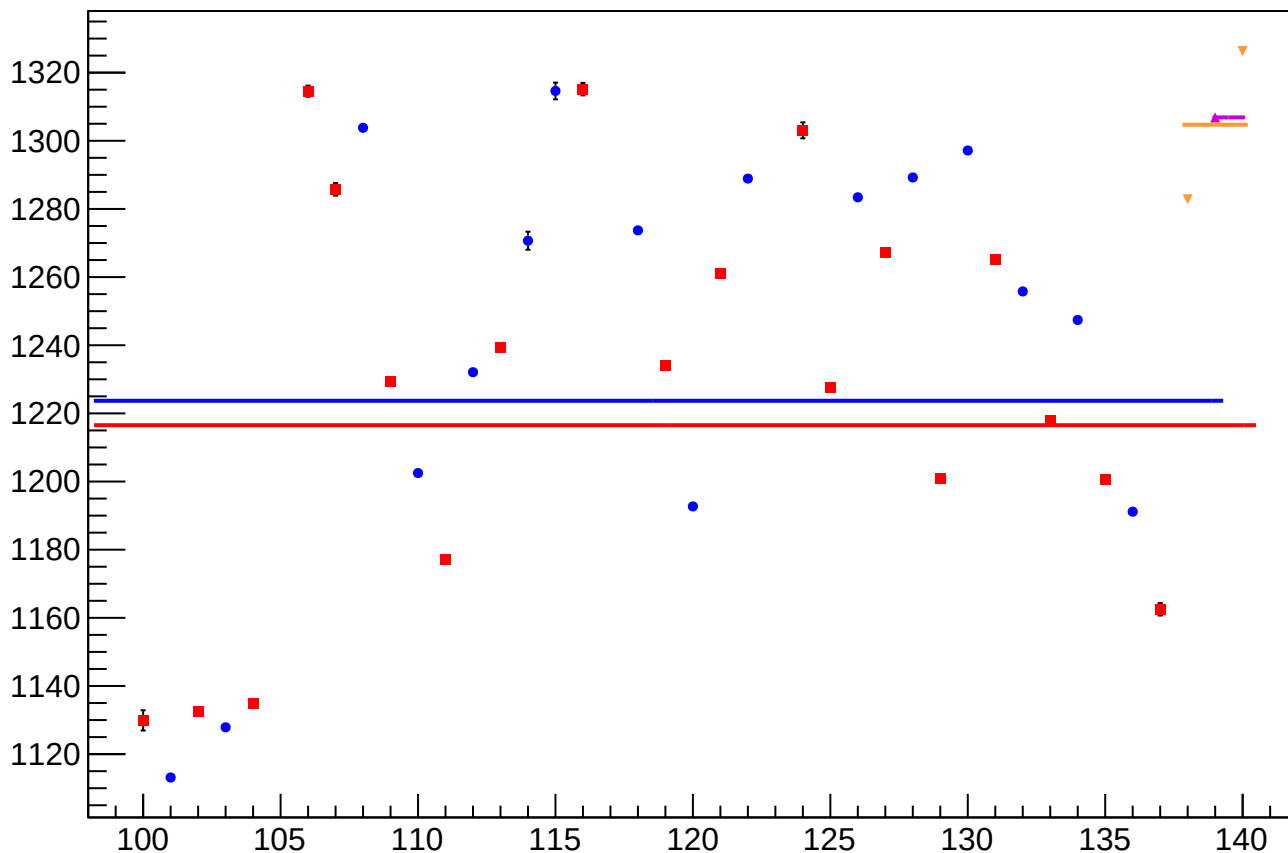
Left In: -0.622 ± 1.421 χ^2/NDF : 0.0/0

+ sign -8.373 ± 0.416 χ^2/NDF : 5136.3/17

All: 9.019 ± 0.297 χ^2/NDF : 12798.2/37

- sign 27.089 ± 0.424 χ^2/NDF : 4098.9/19

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF : 40883.8/15

Left Out: 1304.714+/-0.725 χ^2/NDF : 900.1/1

Right Out: 1216.533+/-0.314 χ^2/NDF : 29381.0/18

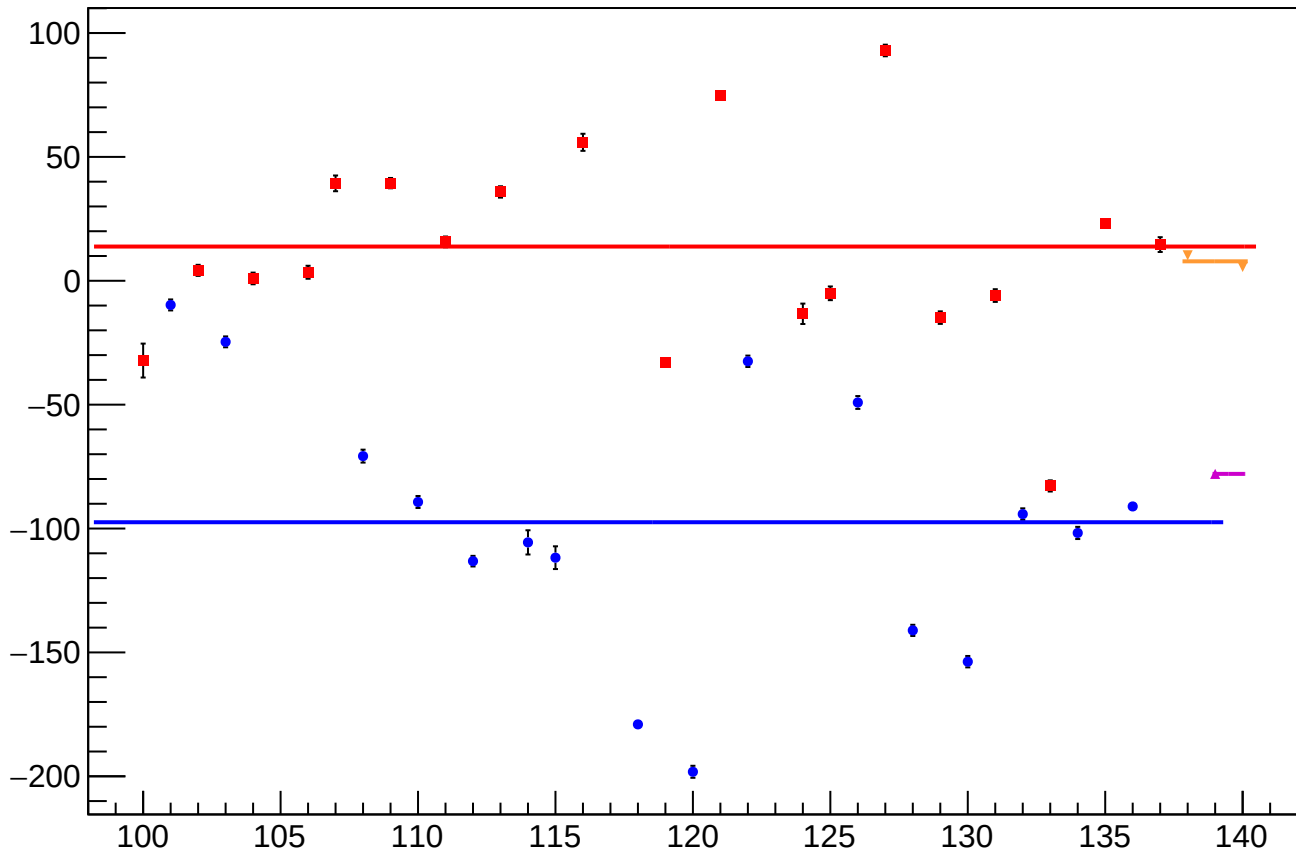
Left In: 1306.856+/-1.005 χ^2/NDF : 0.0/0

+ sign 1237.049+/-0.294 χ^2/NDF : 52218.7/17

All: 1230.935+/-0.210 χ^2/NDF : 89844.5/37

- sign 1224.582+/-0.300 χ^2/NDF : 36745.1/19

diff_bpm0i02aX_mean vs Slug



Right In: -97.455 ± 0.579 χ^2/NDF : 8300.2/15

Left Out: 7.850 ± 1.271 χ^2/NDF : 3.4/1

Right Out: 13.816 ± 0.566 χ^2/NDF : 5352.2/18

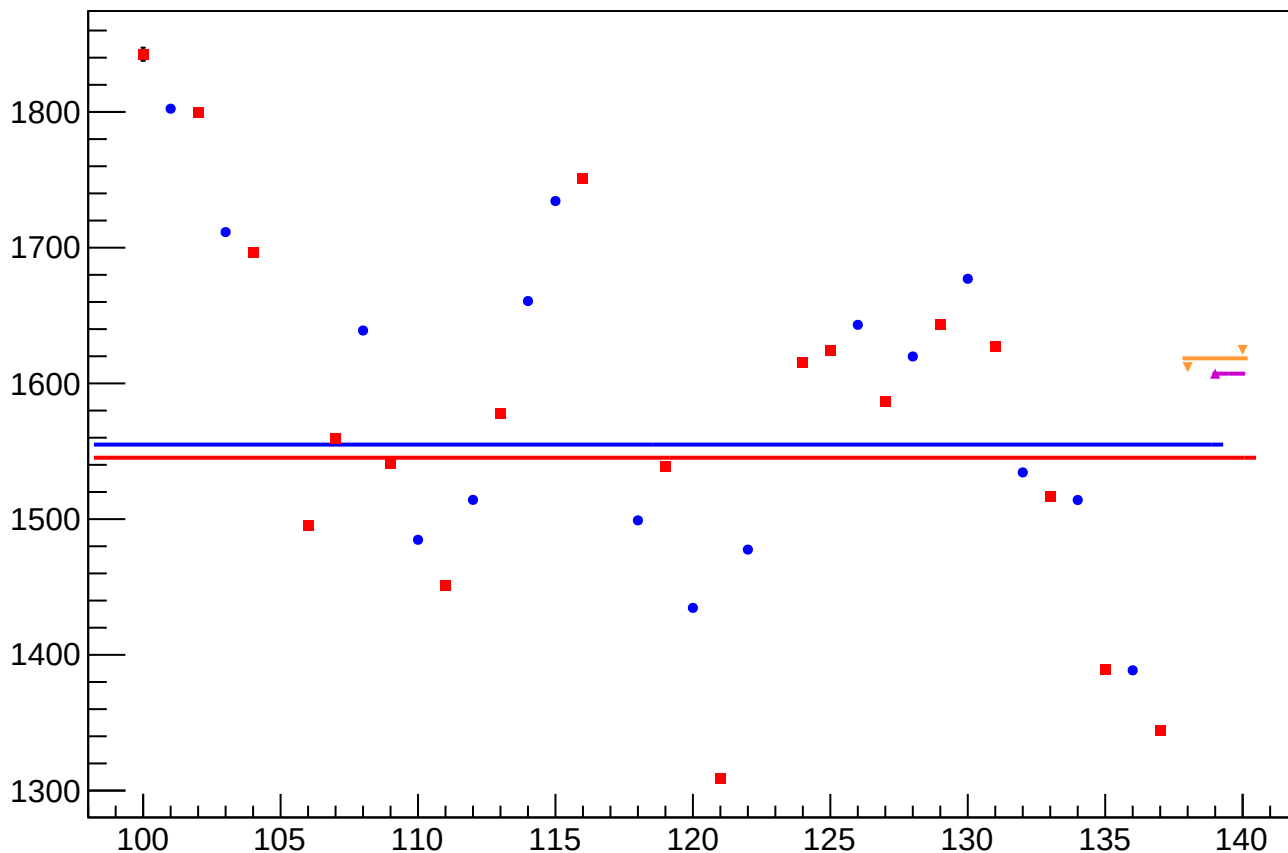
Left In: -77.943 ± 1.747 χ^2/NDF : 0.0/0

+ sign -79.337 ± 0.527 χ^2/NDF : 13986.5/17

All: -37.981 ± 0.377 χ^2/NDF : 34399.7/37

- sign 5.110 ± 0.538 χ^2/NDF : 7848.9/19

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908 $\pm$ 0.410 χ^2 /NDF: 87920.1/15

Left Out: 1618.464 $\pm$ 0.899 χ^2 /NDF: 50.1/1

Right Out: 1545.239 $\pm$ 0.400 χ^2 /NDF: 108789.4/18

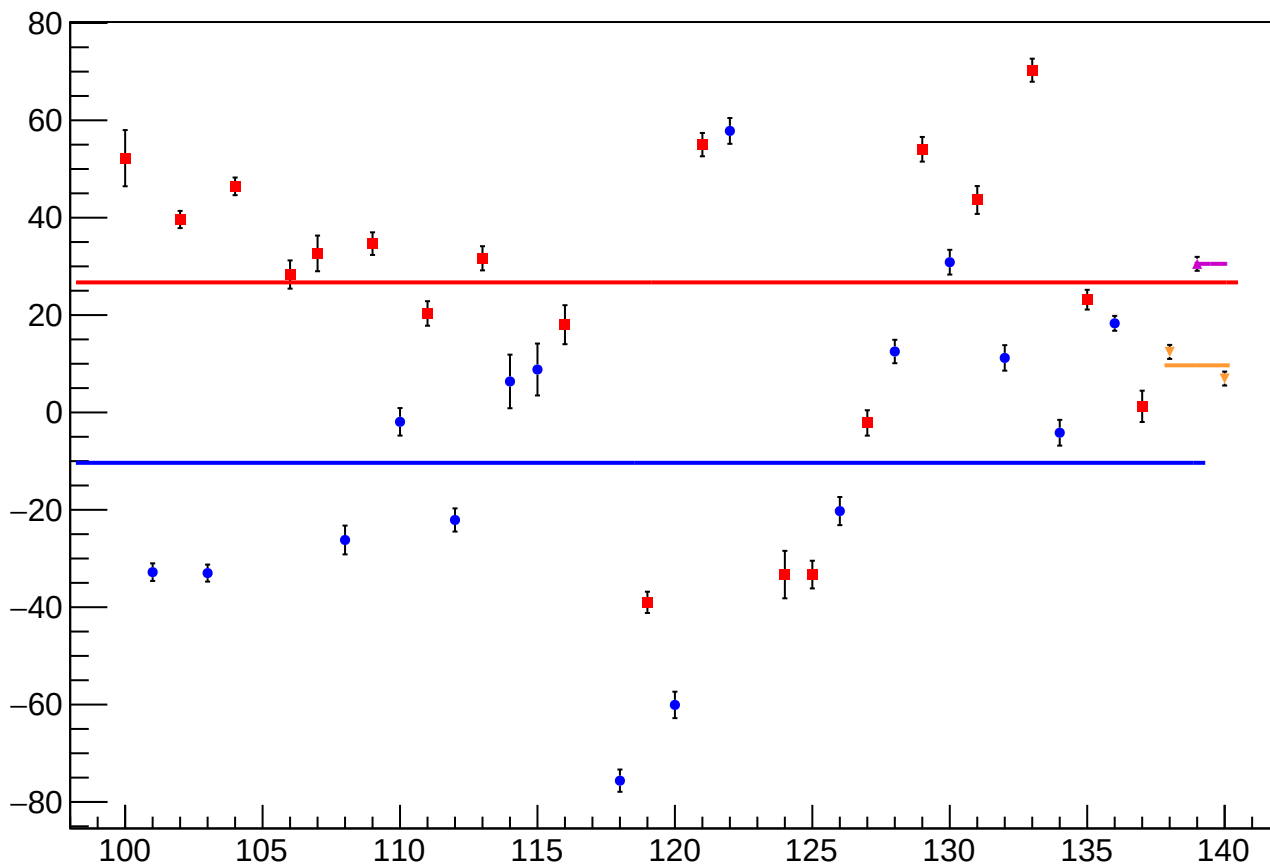
Left In: 1607.194 $\pm$ 1.235 χ^2 /NDF: 0.0/0

+ sign 1565.843 $\pm$ 0.373 χ^2 /NDF: 92110.2/17

All: 1558.632 $\pm$ 0.266 χ^2 /NDF: 203940.3/37

- sign 1551.117 $\pm$ 0.381 χ^2 /NDF: 111065.9/19

diff_bpm0i02aY_mean vs Slug



Right In: -10.345 ± 0.603 χ^2/NDF : 3007.0/15

Left Out: 9.678 ± 1.017 χ^2/NDF : 7.2/1

Right Out: 26.709 ± 0.586 χ^2/NDF : 2540.7/18

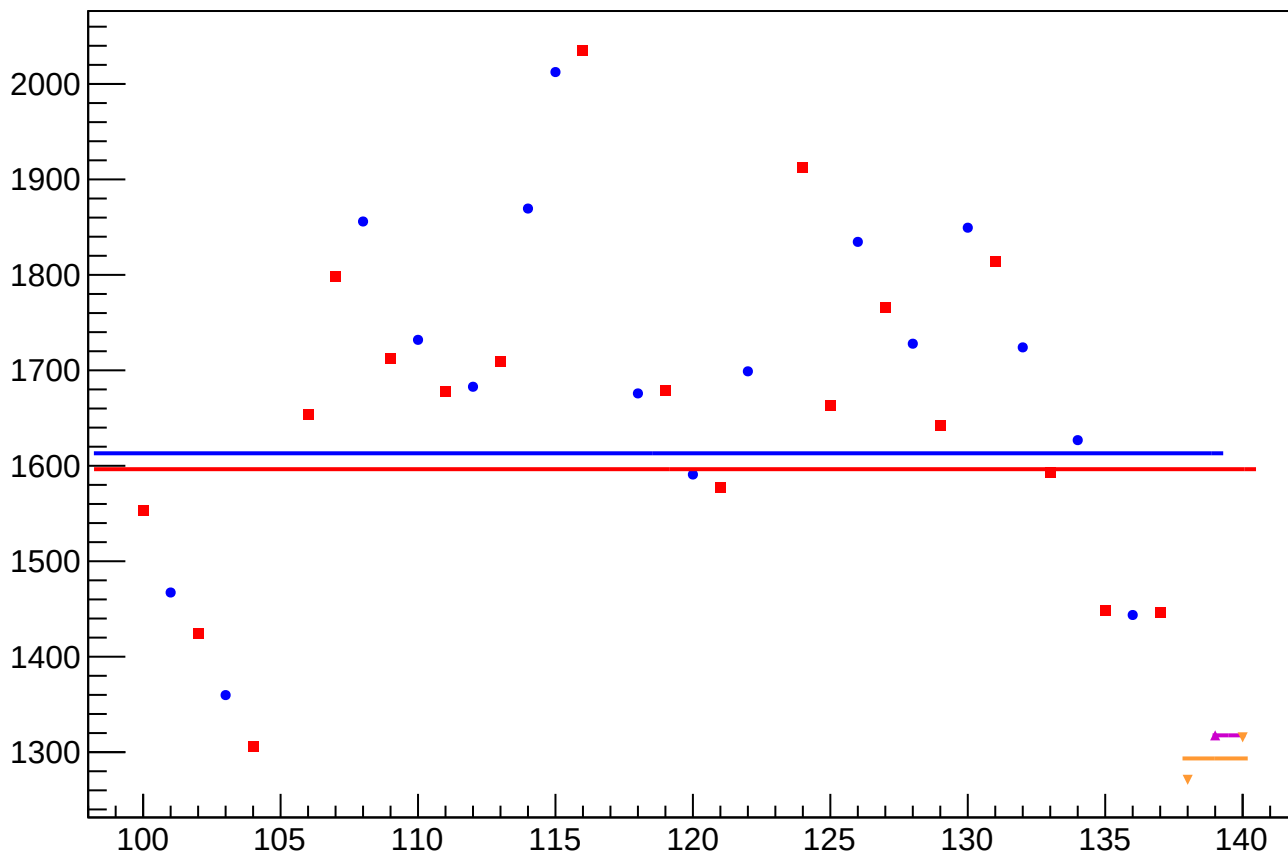
Left In: 30.523 ± 1.432 χ^2/NDF : 0.0/0

+ sign -5.135 ± 0.519 χ^2/NDF : 3301.0/17

All: 10.332 ± 0.375 χ^2/NDF : 7709.5/37

- sign 27.257 ± 0.543 χ^2/NDF : 2546.8/19

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF : 154710.6/15

Left Out: 1293.414+/-0.719 χ^2/NDF : 956.8/1

Right Out: 1596.442+/-0.415 χ^2/NDF : 160714.8/18

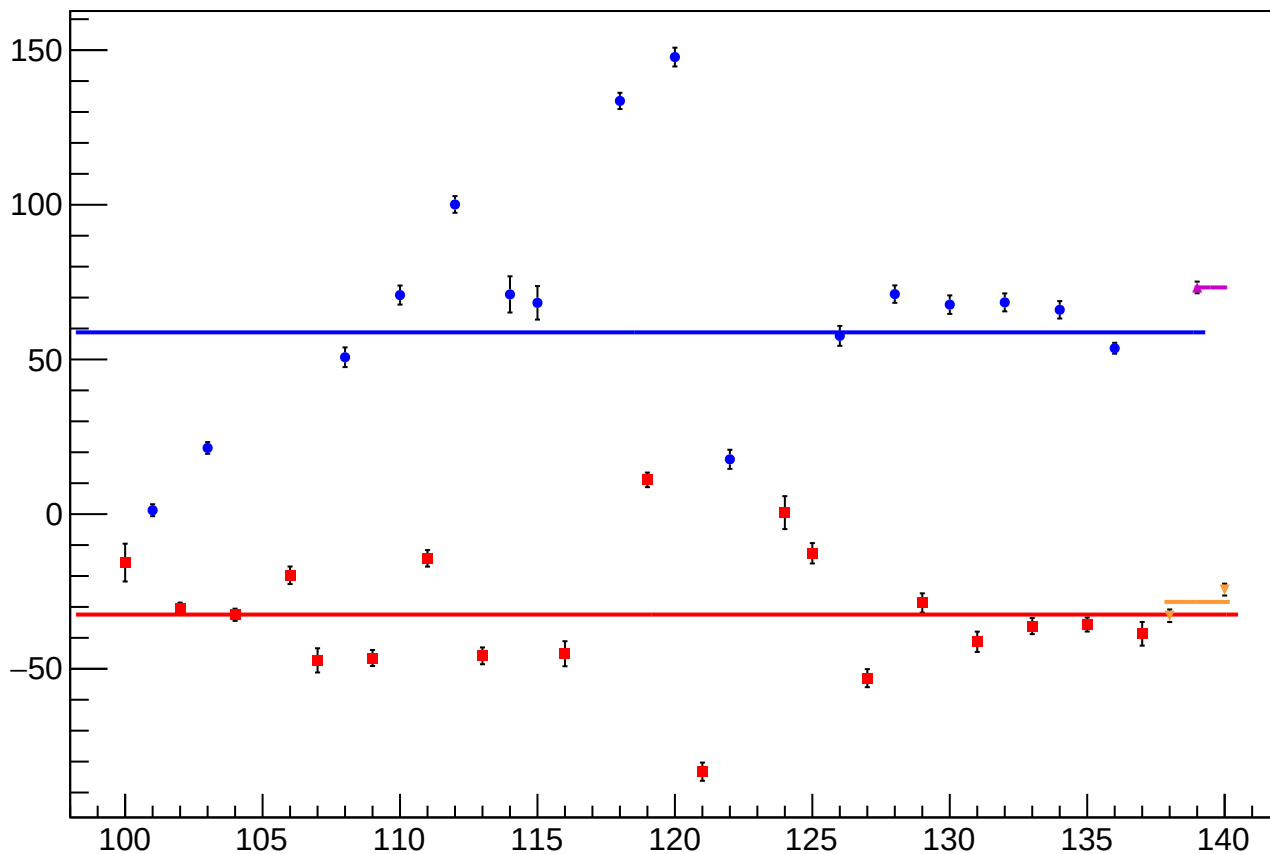
Left In: 1317.615+/-1.013 χ^2/NDF : 0.0/0

+ sign 1529.912+/-0.367 χ^2/NDF : 301867.4/17

All: 1542.572+/-0.265 χ^2/NDF : 529983.5/37

- sign 1556.424+/-0.384 χ^2/NDF : 225621.7/19

diff_bpm0i05X_mean vs Slug



Right In: 58.761 $\pm$ 0.672 χ^2 /NDF: 3443.3/15

Left Out: -28.375 $\pm$ 1.397 χ^2 /NDF: 9.1/1

Right Out: -32.467 $\pm$ 0.648 χ^2 /NDF: 930.8/18

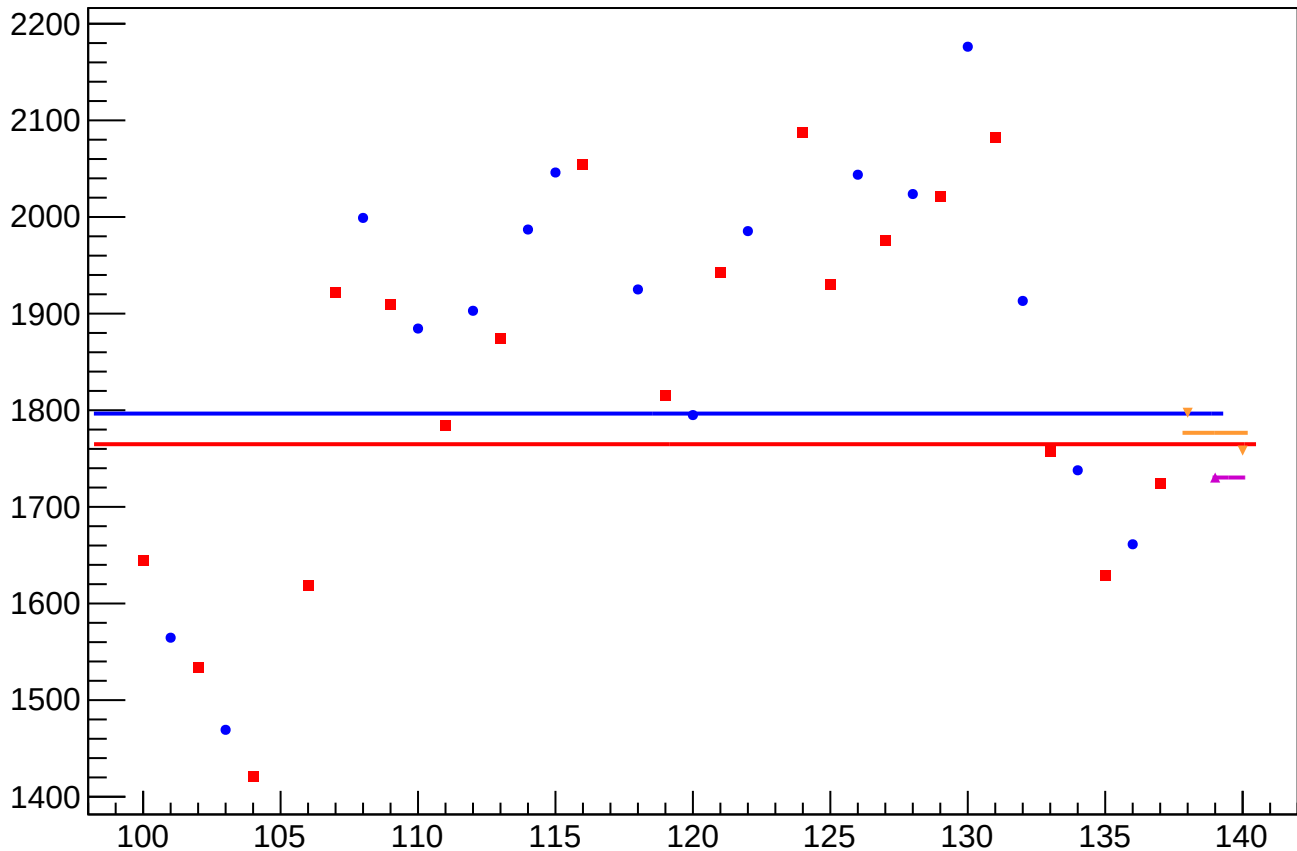
Left In: 73.281 $\pm$ 1.884 χ^2 /NDF: 0.0/0

+ sign 42.367 $\pm$ 0.606 χ^2 /NDF: 6611.6/17

All: 10.929 $\pm$ 0.431 χ^2 /NDF: 15808.8/37

- sign -21.265 $\pm$ 0.613 χ^2 /NDF: 3747.9/19

diff_bpm0i05X_rms vs Slug



Right In: 1796.555 $\pm$ 0.475 χ^2 /NDF: 193171.9/15

Left Out: 1776.652 $\pm$ 0.988 χ^2 /NDF:391.1/1

Right Out: 1764.860 $\pm$ 0.459 χ^2 /NDF: 189987.9/18

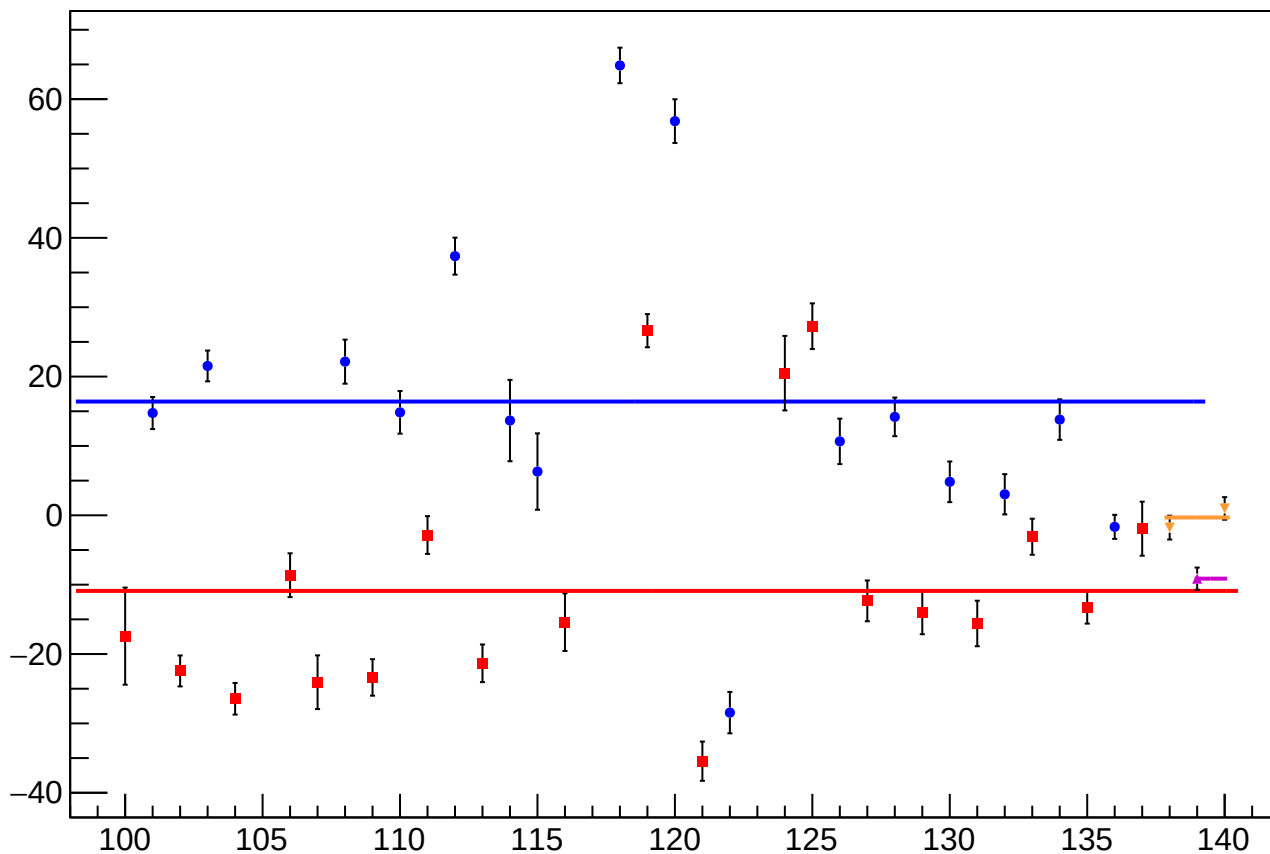
Left In: 1730.372 $\pm$ 1.332 χ^2 /NDF:0.0/0

+ sign 1792.810 $\pm$ 0.428 χ^2 /NDF: 193892.5/17

All: 1777.196 $\pm$ 0.305 χ^2 /NDF: 387168.0/37

- sign 1761.207 $\pm$ 0.434 χ^2 /NDF: 190587.2/19

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF : 973.0/15

Left Out: -0.314+/-1.182 χ^2/NDF : 1.4/1

Right Out: -10.899+/-0.676 χ^2/NDF : 641.7/18

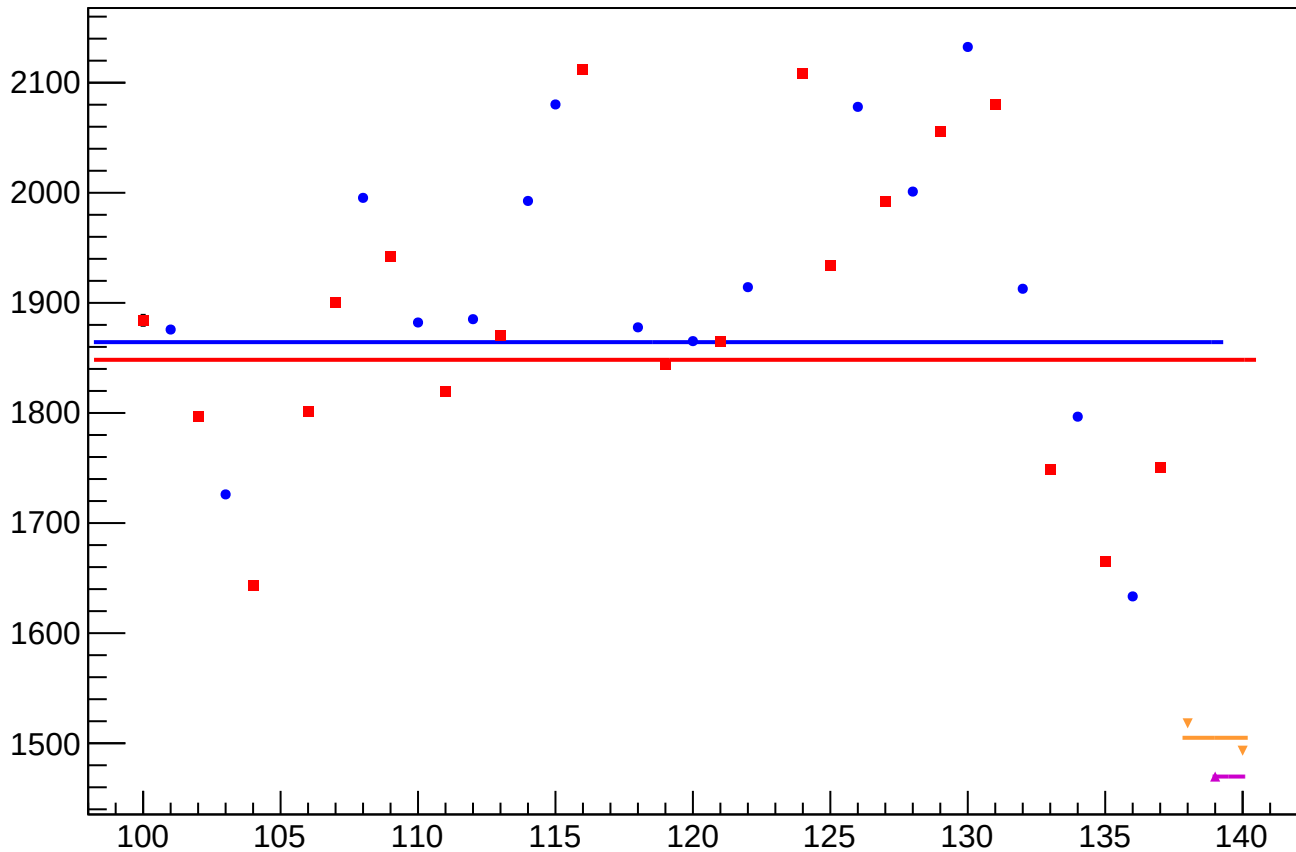
Left In: -9.131+/-1.598 χ^2/NDF : 0.0/0

+ sign 12.108+/-0.599 χ^2/NDF : 1122.8/17

All: 1.179+/-0.432 χ^2/NDF : 2457.9/37

- sign -10.631+/-0.623 χ^2/NDF : 642.7/19

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335 $\pm$ 0.491 χ^2 /NDF: 83311.5/15

Left Out: 1504.959 $\pm$ 0.836 χ^2 /NDF: 220.2/1

Right Out: 1848.284 $\pm$ 0.478 χ^2 /NDF: 74956.9/18

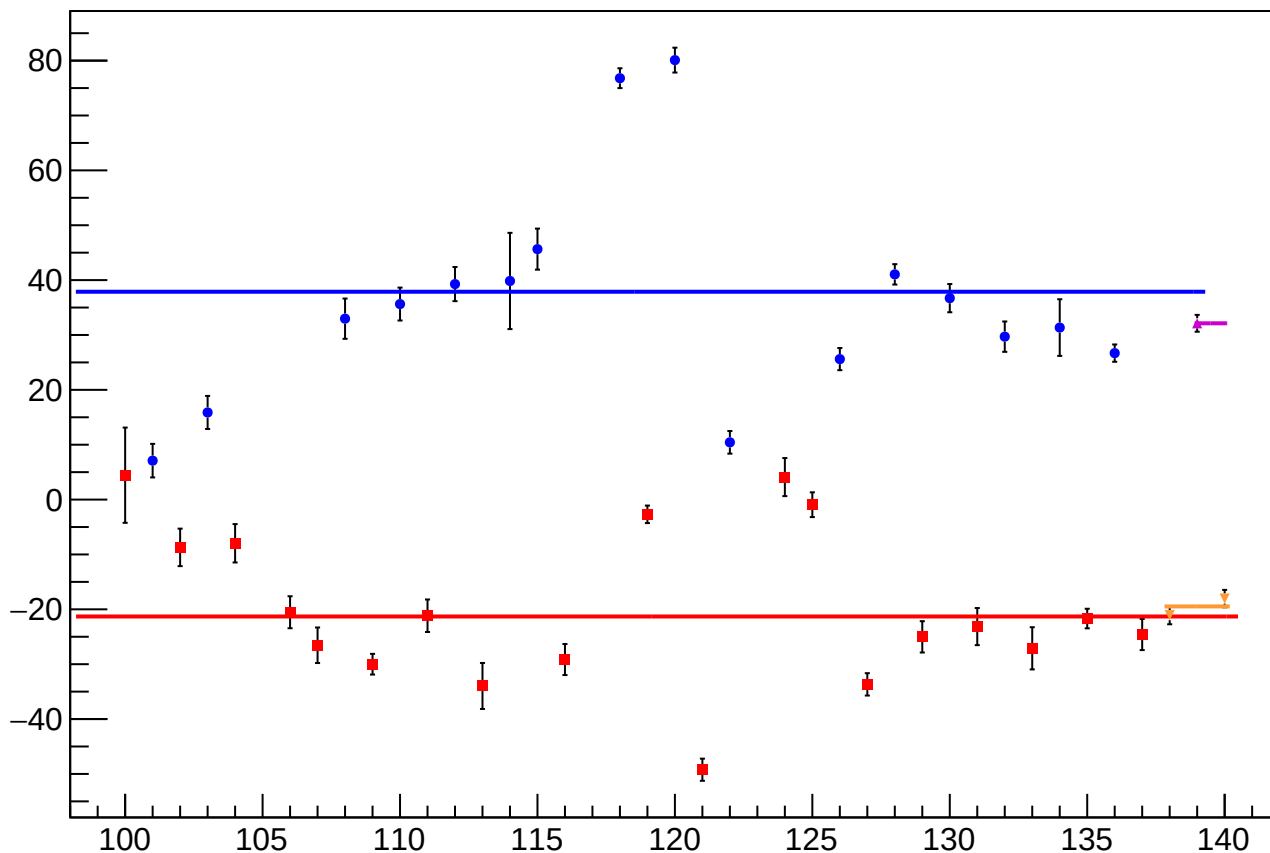
Left In: 1469.750 $\pm$ 1.130 χ^2 /NDF: 0.0/0

+ sign 1772.055 $\pm$ 0.424 χ^2 /NDF: 220856.8/17

All: 1781.055 $\pm$ 0.305 χ^2 /NDF: 391948.4/37

- sign 1790.779 $\pm$ 0.440 χ^2 /NDF: 170152.8/19

diff_bpm0i07X_mean vs Slug



Right In: 37.880 $\pm$ 0.622 χ^2 /NDF: 1249.8/15

Left Out: -19.473 $\pm$ 1.148 χ^2 /NDF: 1.7/1

Right Out: -21.306 $\pm$ 0.593 χ^2 /NDF: 582.6/18

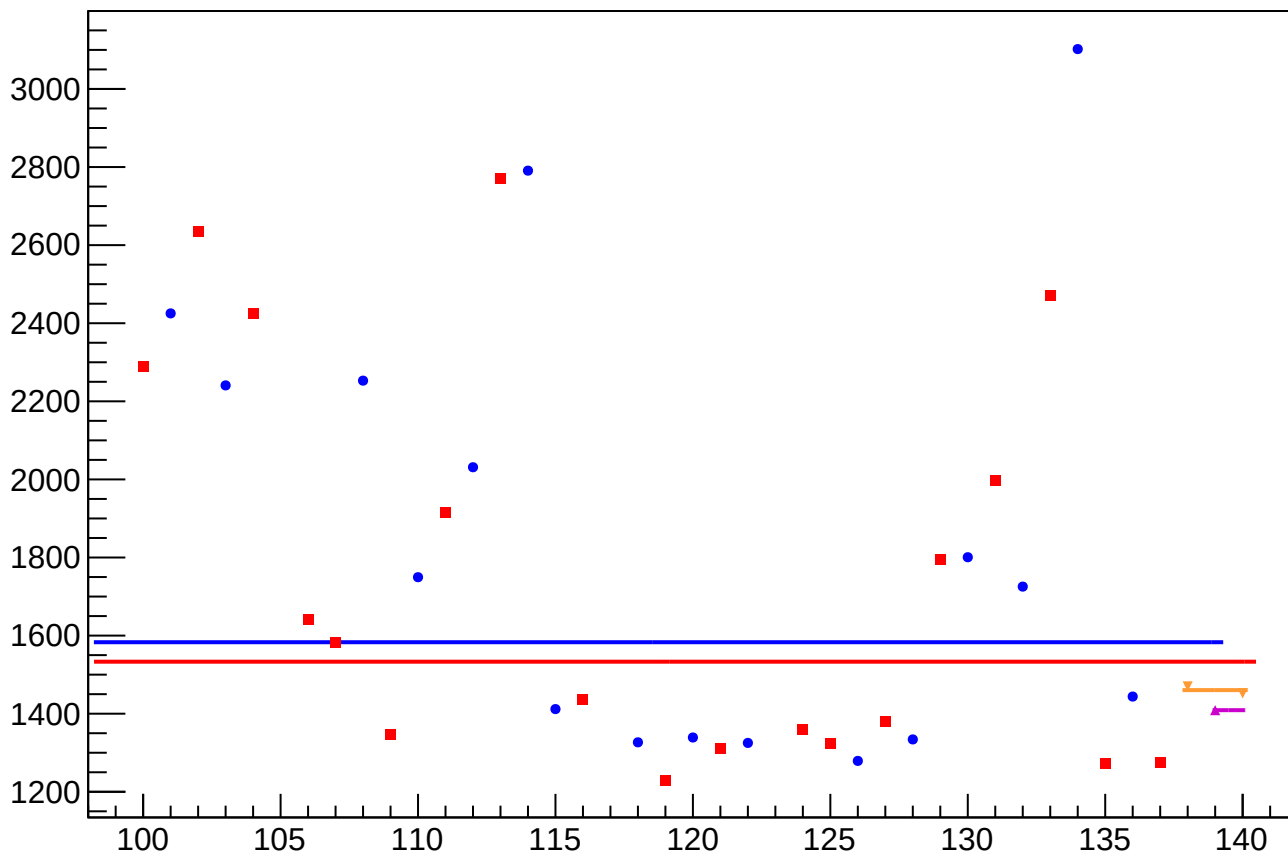
Left In: 32.127 $\pm$ 1.533 χ^2 /NDF: 0.0/0

+ sign 24.848 $\pm$ 0.547 χ^2 /NDF: 3181.2/17

All: 5.457 $\pm$ 0.389 χ^2 /NDF: 7359.9/37

- sign -14.355 $\pm$ 0.553 χ^2 /NDF: 1639.0/19

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF : 787672.4/15

Left Out: 1460.411+/-0.812 χ^2/NDF :124.4/1

Right Out: 1533.190+/-0.419 χ^2/NDF : 950777.4/18

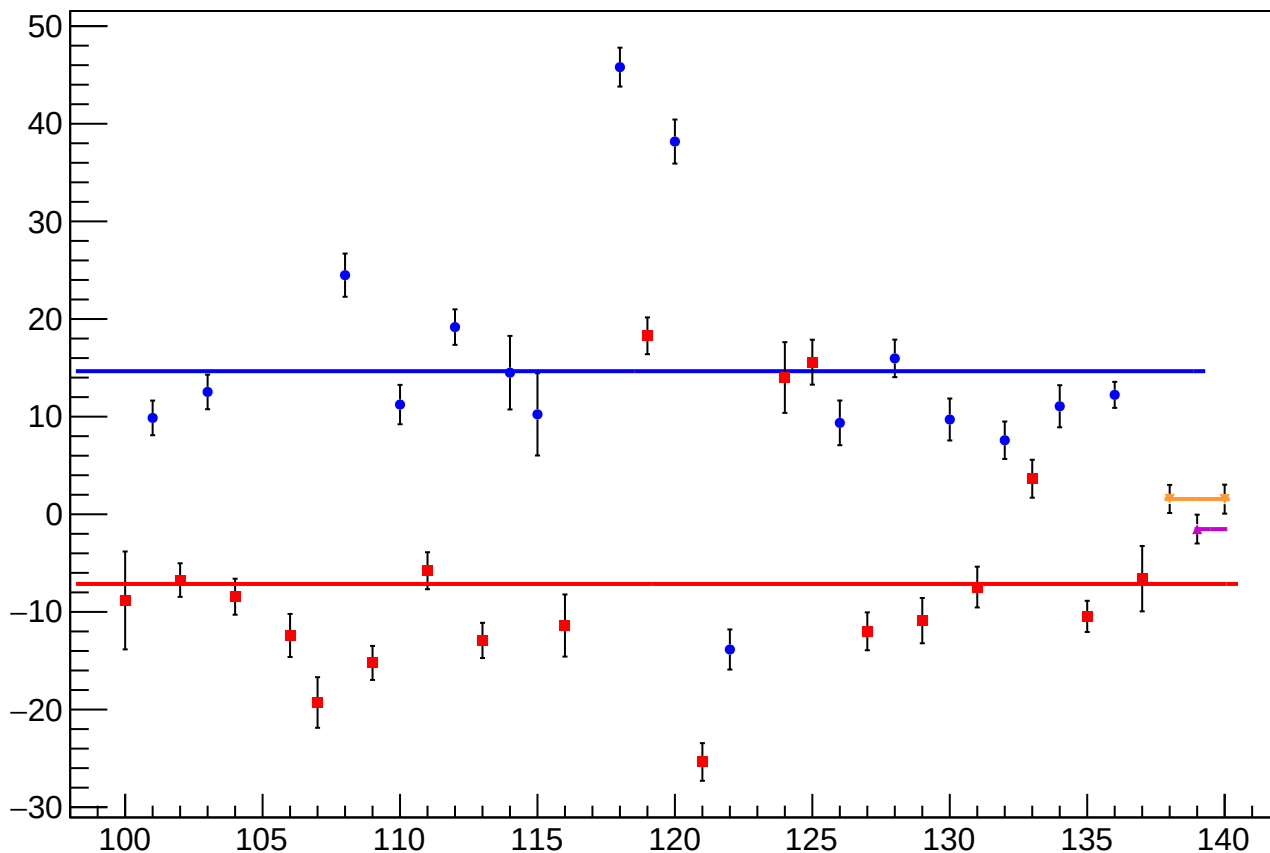
Left In: 1409.006+/-1.084 χ^2/NDF :0.0/0

+ sign 1555.183+/-0.387 χ^2/NDF : 805443.4/17

All: 1536.315+/-0.275 χ^2/NDF : 1772442.0/37

- sign 1517.036+/-0.391 χ^2/NDF : 962189.4/19

diff_bpm0i07Y_mean vs Slug



Right In: 14.658 $\pm$ 0.504 χ^2 /NDF: 614.8/15

Left Out: 1.563 $\pm$ 1.033 χ^2 /NDF: 0.0/1

Right Out: -7.135 $\pm$ 0.483 χ^2 /NDF: 509.4/18

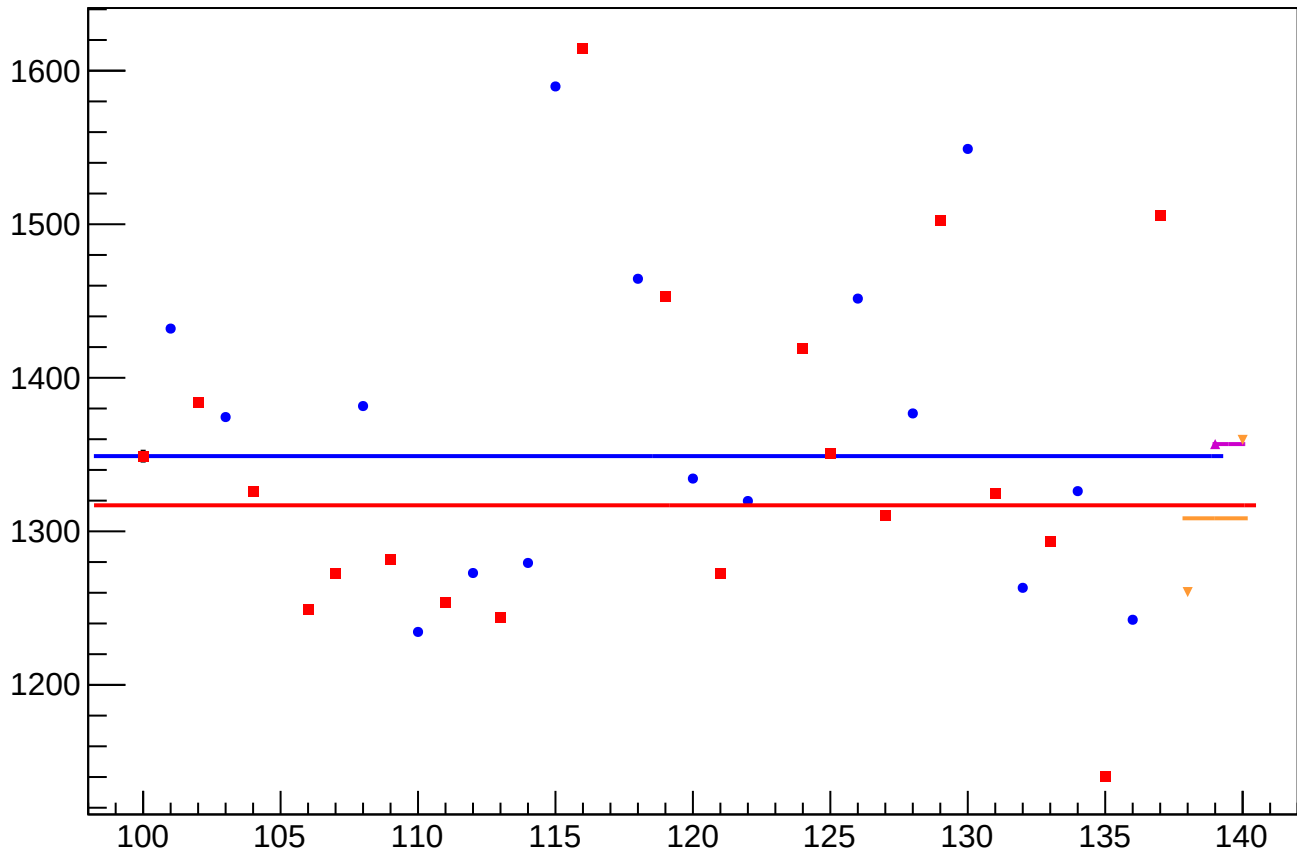
Left In: -1.515 $\pm$ 1.476 χ^2 /NDF: 0.0/0

+ sign 12.135 $\pm$ 0.453 χ^2 /NDF: 744.6/17

All: 2.893 $\pm$ 0.323 χ^2 /NDF: 2109.3/37

- sign -6.591 $\pm$ 0.459 χ^2 /NDF: 522.5/19

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000 $\pm$ 0.357 χ^2 /NDF: 68383.7/15

Left Out: 1308.488 $\pm$ 0.730 χ^2 /NDF: 4602.5/1

Right Out: 1316.961 $\pm$ 0.342 χ^2 /NDF: 86873.7/18

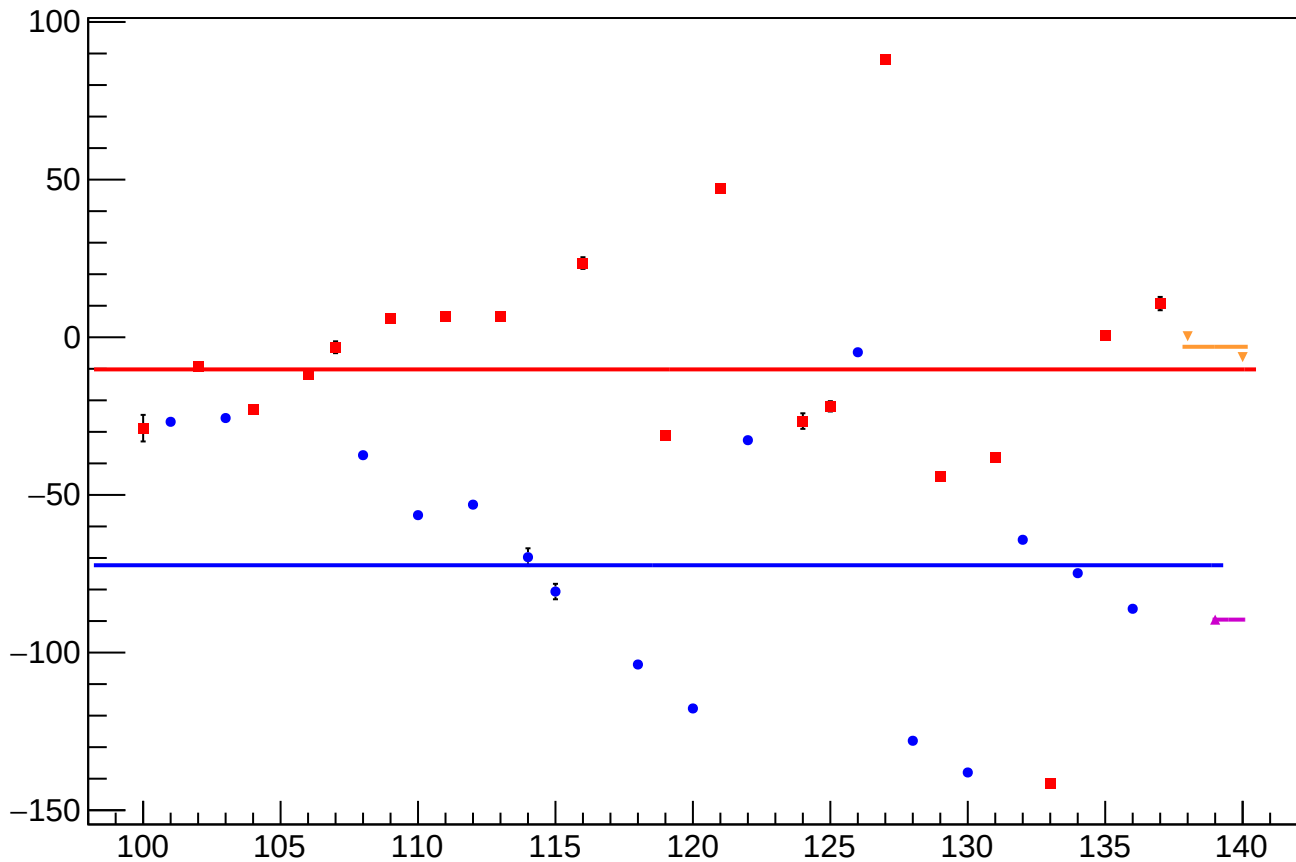
Left In: 1356.836 $\pm$ 1.044 χ^2 /NDF: 0.0/0

+ sign 1341.194 $\pm$ 0.321 χ^2 /NDF: 75471.3/17

All: 1331.139 $\pm$ 0.228 χ^2 /NDF: 165657.1/37

- sign 1320.819 $\pm$ 0.325 χ^2 /NDF: 88191.5/19

diff_bpm1i02X_mean vs Slug



Right In: -72.304 ± 0.349 χ^2/NDF : 12153.8/15

Left Out: -3.015 ± 0.715 χ^2/NDF : 21.4/1

Right Out: -10.188 ± 0.345 χ^2/NDF : 19045.9/18

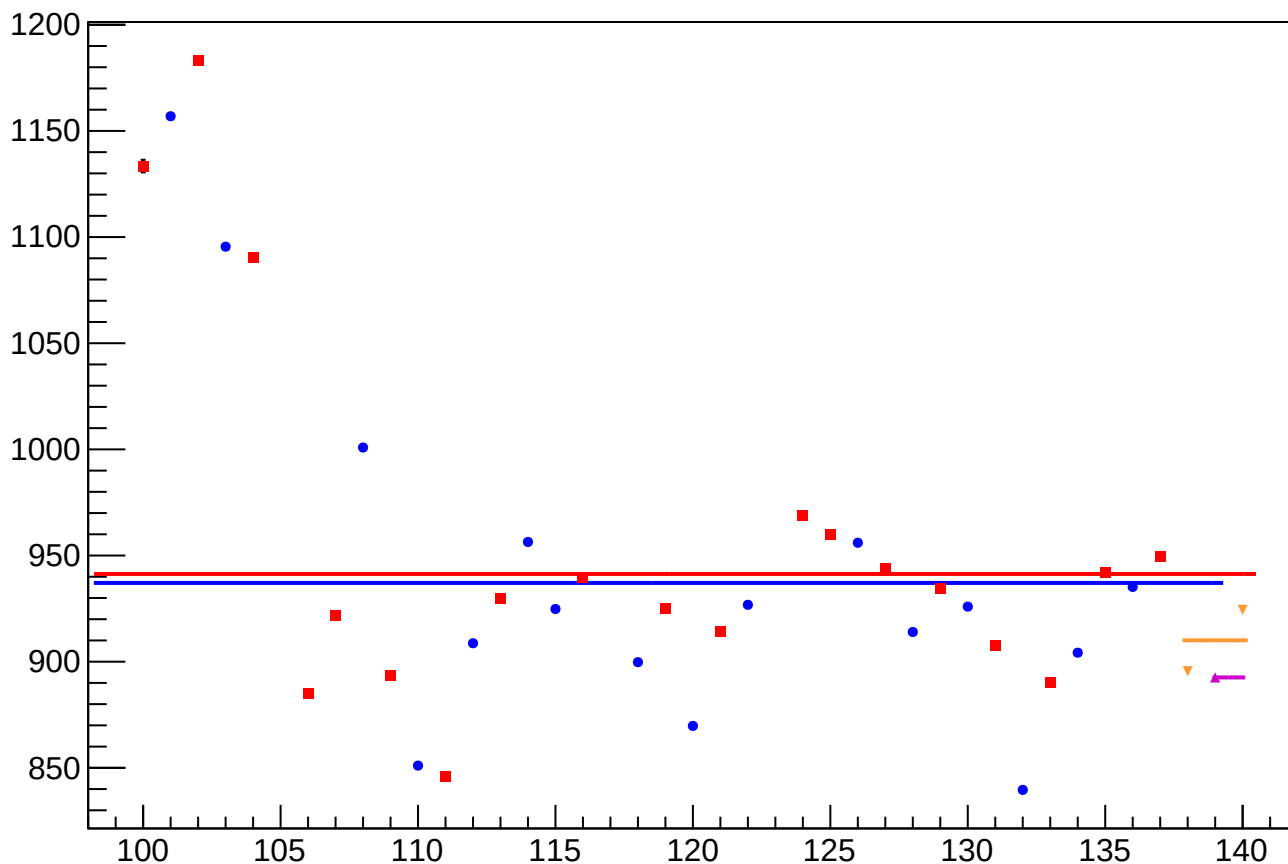
Left In: -89.549 ± 0.970 χ^2/NDF : 0.0/0

+ sign -58.930 ± 0.314 χ^2/NDF : 19763.4/17

All: -39.674 ± 0.226 χ^2/NDF : 52538.5/37

- sign -19.076 ± 0.325 χ^2/NDF : 24987.4/19

diff_bpm1i02X_rms vs Slug



Right In: 937.097 $\pm$ 0.247 χ^2 /NDF: 104660.4/15

Left Out: 910.061 $\pm$ 0.505 χ^2 /NDF: 817.1/1

Right Out: 941.323 $\pm$ 0.244 χ^2 /NDF: 101031.2/18

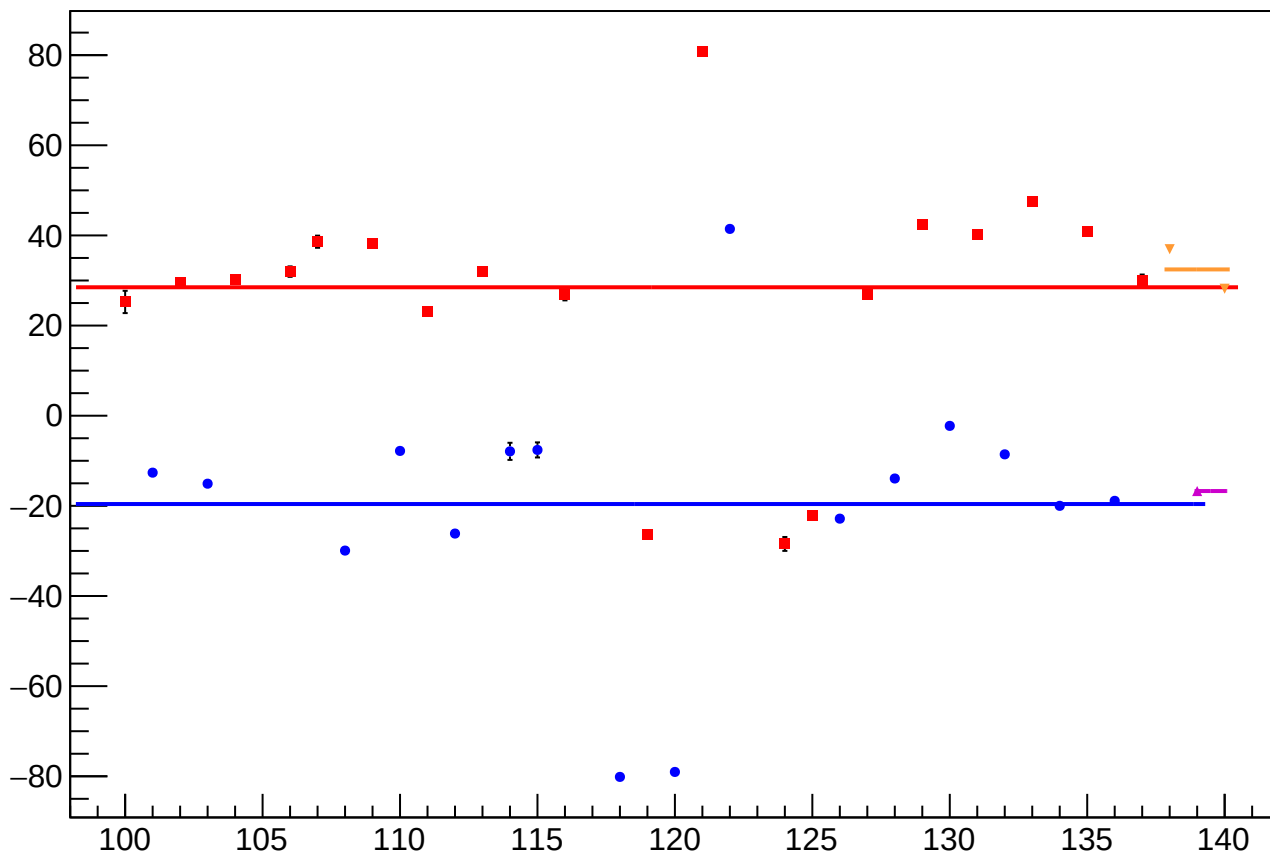
Left In: 892.577 $\pm$ 0.686 χ^2 /NDF: 0.0/0

+ sign 931.879 $\pm$ 0.222 χ^2 /NDF: 107788.2/17

All: 933.804 $\pm$ 0.160 χ^2 /NDF: 213458.4/37

- sign 935.864 $\pm$ 0.230 χ^2 /NDF: 105514.5/19

diff_bpm1i02Y_mean vs Slug



Right In: -19.597 ± 0.234 $\chi^2/\text{NDF}: 13170.1/15$

Left Out: 32.456 ± 0.501 $\chi^2/\text{NDF}: 76.4/1$

Right Out: 28.496 ± 0.230 $\chi^2/\text{NDF}: 12971.2/18$

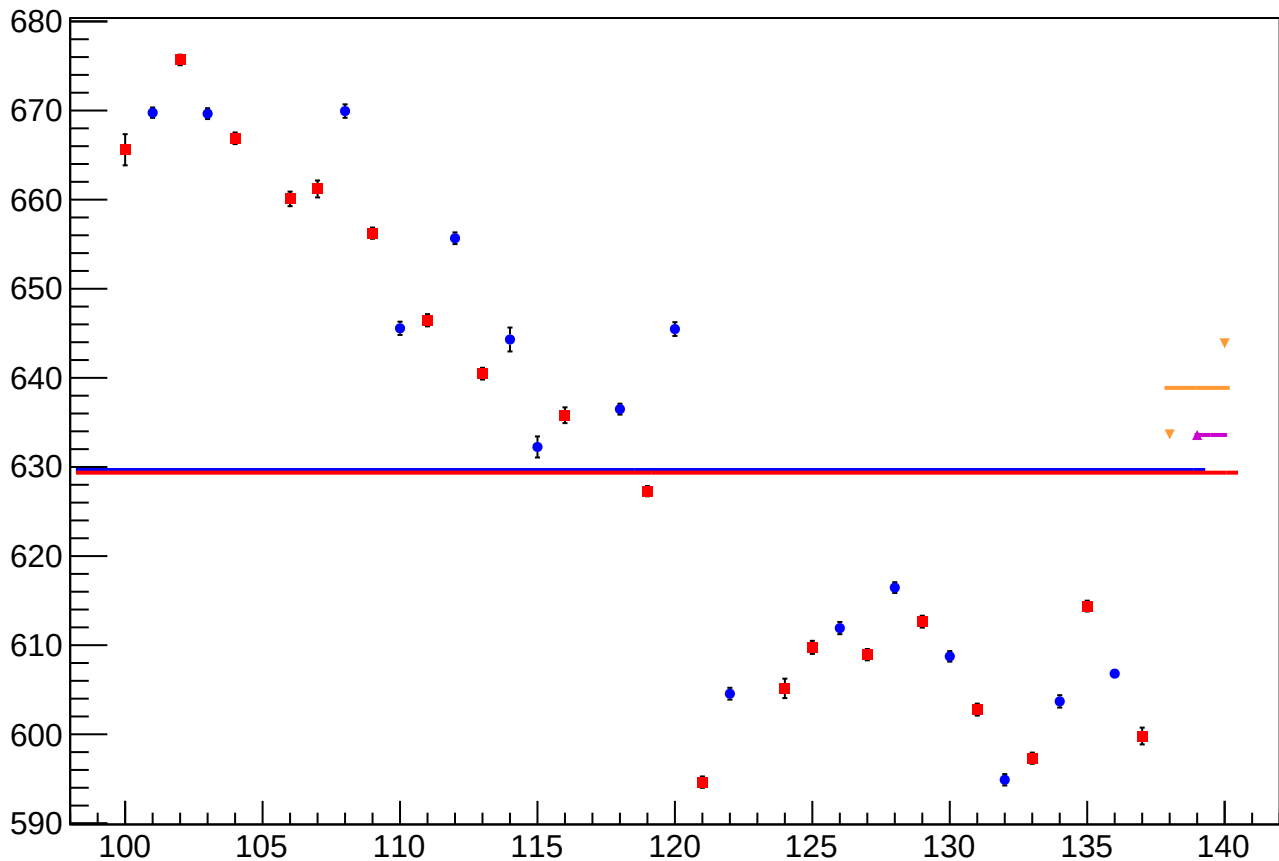
Left In: -16.713 ± 0.689 $\chi^2/\text{NDF}: 0.0/0$

+ sign -10.285 ± 0.212 $\chi^2/\text{NDF}: 22094.3/17$

All: 6.382 ± 0.152 $\chi^2/\text{NDF}: 51636.7/37$

- sign 23.970 ± 0.218 $\chi^2/\text{NDF}: 16849.9/19$

diff_bpm1i02Y_rms vs Slug



Right In: 629.660 $\pm$ 0.166 χ^2 /NDF: 25315.5/15

Left Out: 638.876 $\pm$ 0.355 χ^2 /NDF:207.6/1

Right Out: 629.361 $\pm$ 0.162 χ^2 /NDF: 26791.2/18

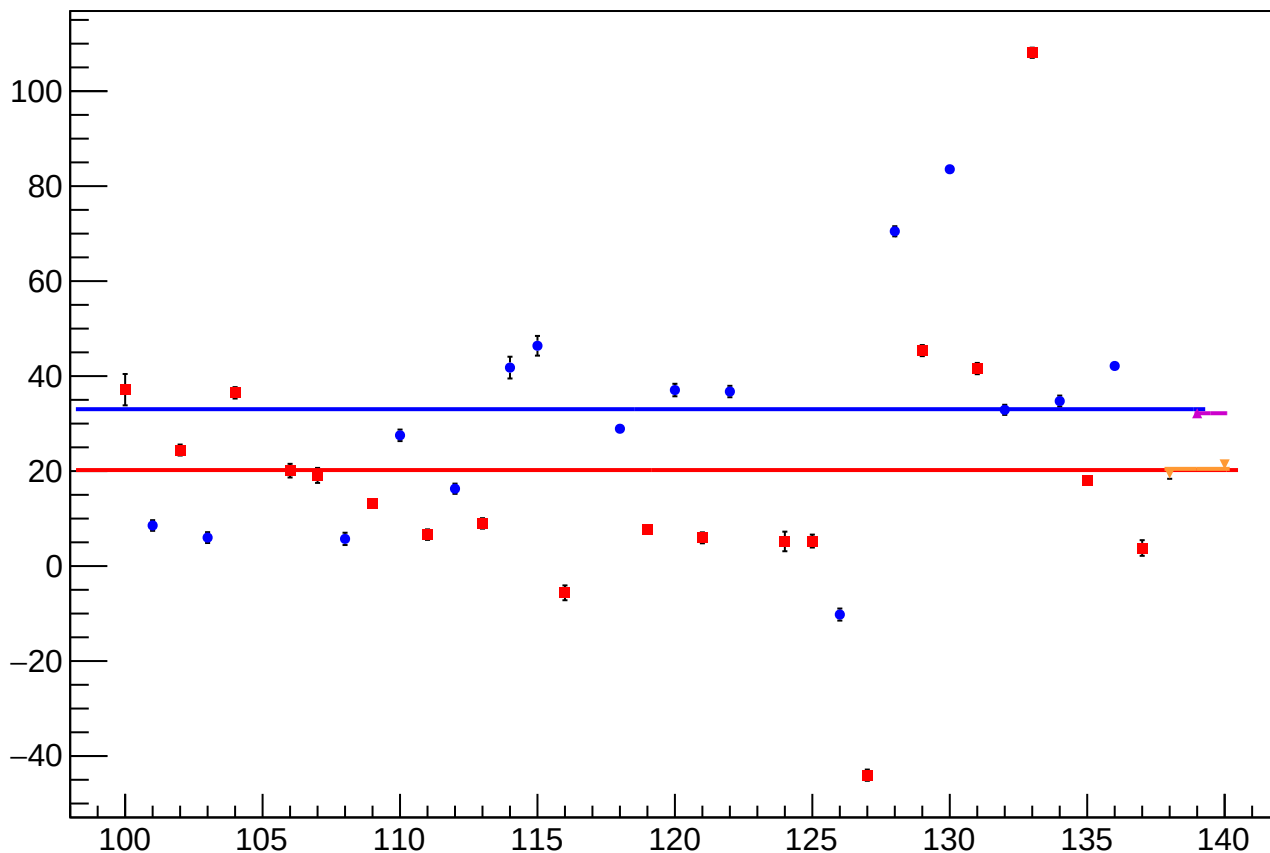
Left In: 633.591 $\pm$ 0.487 χ^2 /NDF:0.0/0

+ sign 631.309 $\pm$ 0.150 χ^2 /NDF: 26077.9/17

All: 630.567 $\pm$ 0.107 χ^2 /NDF: 52987.3/37

- sign 629.785 $\pm$ 0.154 χ^2 /NDF: 26859.2/19

diff_bpm1i04X_mean vs Slug



Right In: 33.033 ± 0.289 χ^2/NDF : 6700.1/15

Left Out: 20.470 ± 0.760 χ^2/NDF : 1.6/1

Right Out: 20.215 ± 0.286 χ^2/NDF : 11869.7/18

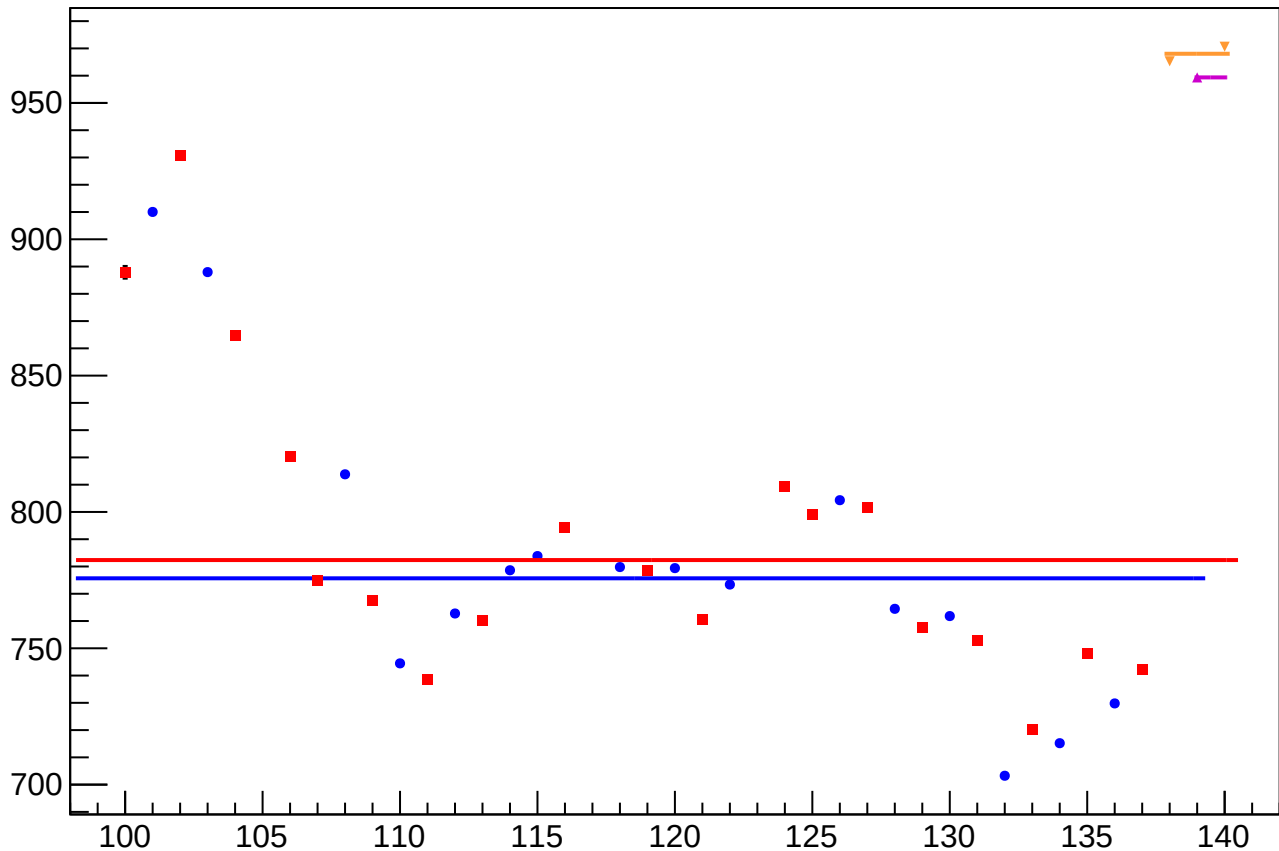
Left In: 32.179 ± 1.043 χ^2/NDF : 0.0/0

+ sign 31.447 ± 0.270 χ^2/NDF : 6940.4/17

All: 26.359 ± 0.193 χ^2/NDF : 19657.9/37

- sign 21.052 ± 0.276 χ^2/NDF : 11992.0/19

diff_bpm1i04X_rms vs Slug



Right In: 775.664 ± 0.204 $\chi^2/\text{NDF}: 74660.0/15$

Left Out: 968.037 ± 0.537 $\chi^2/\text{NDF}: 24.8/1$

Right Out: 782.358 ± 0.202 $\chi^2/\text{NDF}: 64566.3/18$

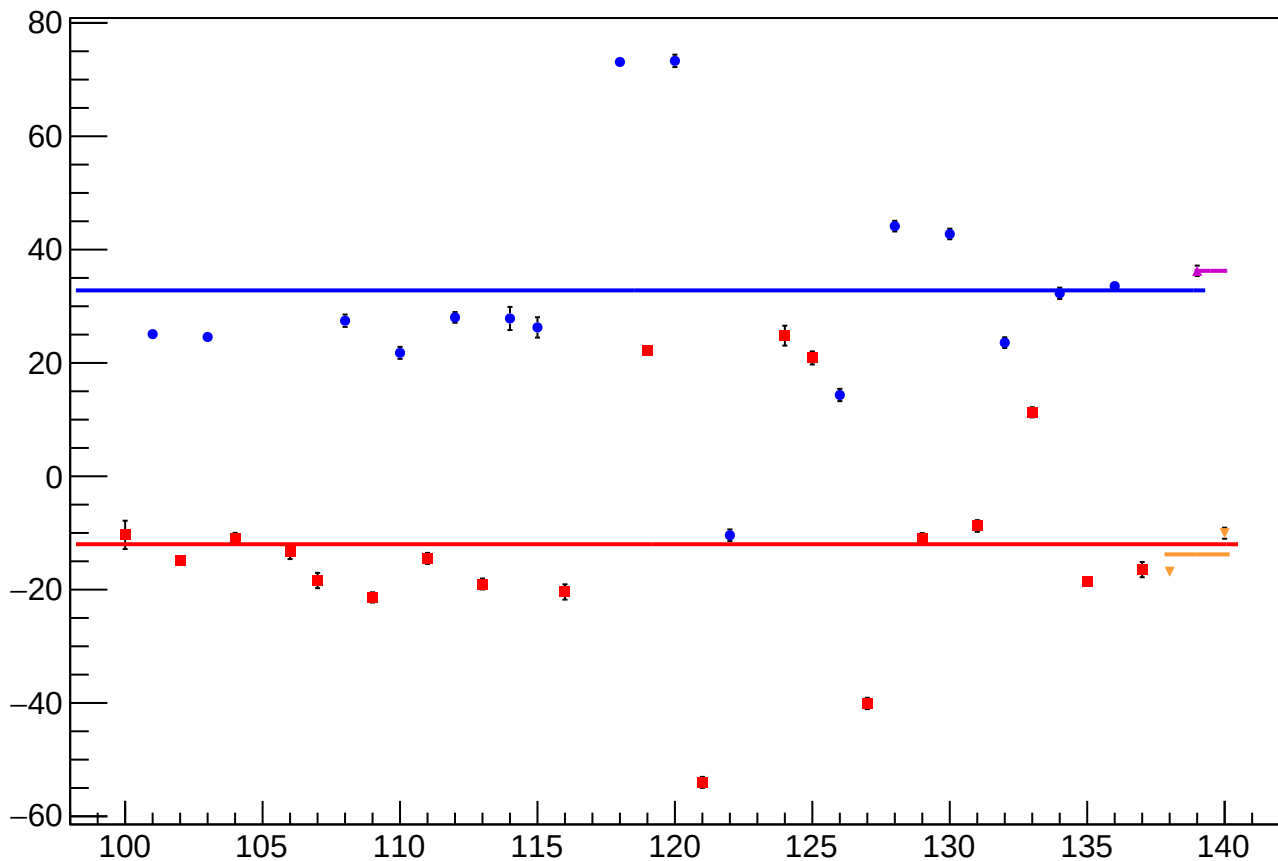
Left In: 959.366 ± 0.738 $\chi^2/\text{NDF}: 0.0/0$

+ sign 799.946 ± 0.191 $\chi^2/\text{NDF}: 186615.8/17$

All: 797.394 ± 0.136 $\chi^2/\text{NDF}: 305119.0/37$

- sign 794.732 ± 0.195 $\chi^2/\text{NDF}: 118138.3/19$

diff_bpm1i04Y_mean vs Slug



Right In: 32.804 $\pm$ 0.244 χ^2 /NDF: 6259.3/15

Left Out: -13.779 $\pm$ 0.655 χ^2 /NDF: 26.7/1

Right Out: -11.994 $\pm$ 0.241 χ^2 /NDF: 6559.7/18

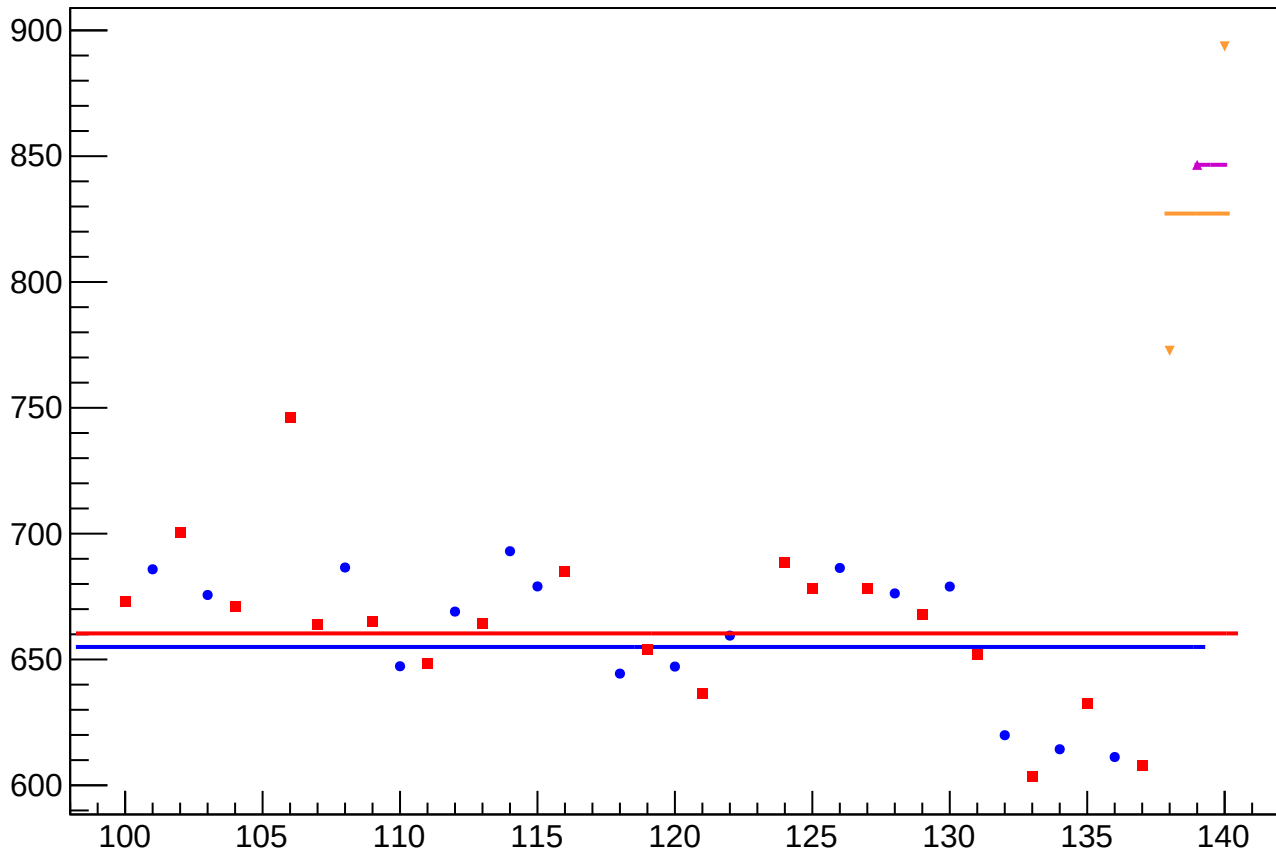
Left In: 36.257 $\pm$ 0.922 χ^2 /NDF: 0.0/0

+ sign 27.142 $\pm$ 0.228 χ^2 /NDF: 10733.3/17

All: 9.513 $\pm$ 0.163 χ^2 /NDF: 32056.6/37

- sign -8.902 $\pm$ 0.233 χ^2 /NDF: 9125.6/19

diff_bpm1i04Y_rms vs Slug



Right In: 654.970 $\pm$ 0.172 χ^2 /NDF: 26744.4/15

Left Out: 827.197 $\pm$ 0.463 χ^2 /NDF:16903.8/1

Right Out: 660.355 $\pm$ 0.171 χ^2 /NDF: 30417.5/18

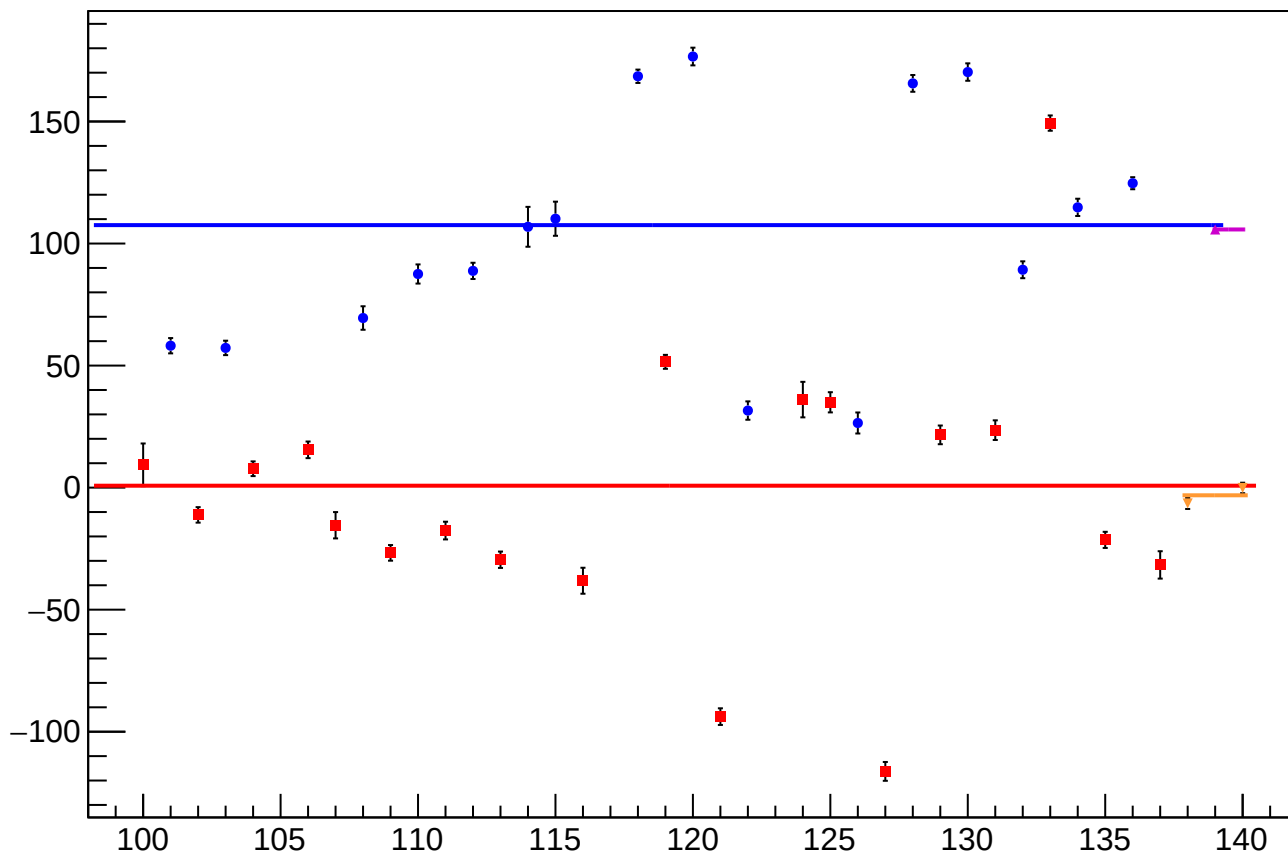
Left In: 846.572 $\pm$ 0.652 χ^2 /NDF:0.0/0

+ sign 675.902 $\pm$ 0.161 χ^2 /NDF: 165233.9/17

All: 674.134 $\pm$ 0.115 χ^2 /NDF: 272334.3/37

- sign 672.288 $\pm$ 0.165 χ^2 /NDF: 106855.2/19

diff_bpm1i06X_mean vs Slug



Right In: 107.548 $\pm$ 0.885 χ^2 /NDF: 2955.8/15

Left Out: -3.142 $\pm$ 1.560 χ^2 /NDF: 4.1/1

Right Out: 0.788 $\pm$ 0.861 χ^2 /NDF: 4763.9/18

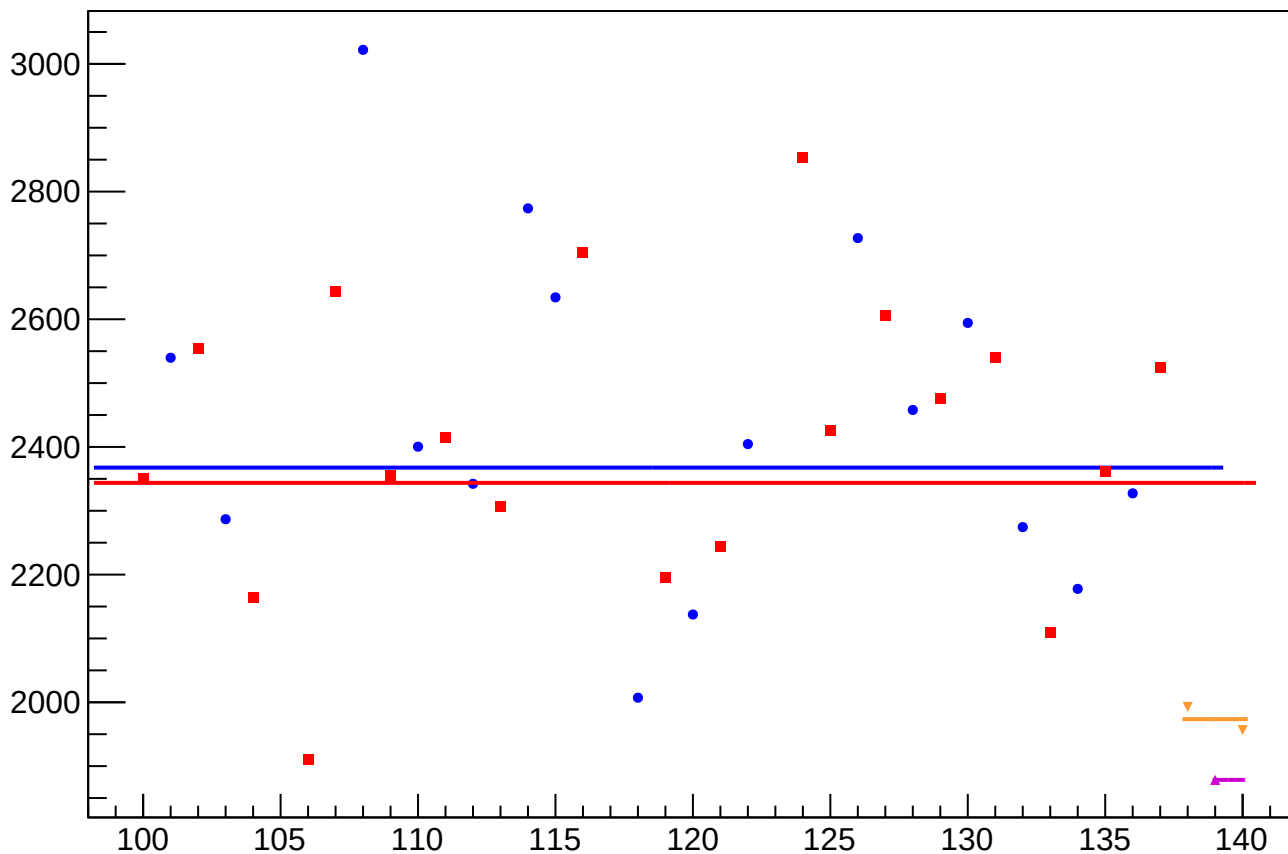
Left In: 105.766 $\pm$ 2.058 χ^2 /NDF: 0.0/0

+ sign 80.575 $\pm$ 0.770 χ^2 /NDF: 6769.0/17

All: 49.489 $\pm$ 0.553 χ^2 /NDF: 17111.4/37

- sign 16.416 $\pm$ 0.794 χ^2 /NDF: 6978.0/19

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF : 126764.1/15

Left Out: 1973.605+/-1.103 χ^2/NDF : 271.2/1

Right Out: 2343.704+/-0.609 χ^2/NDF : 112274.4/18

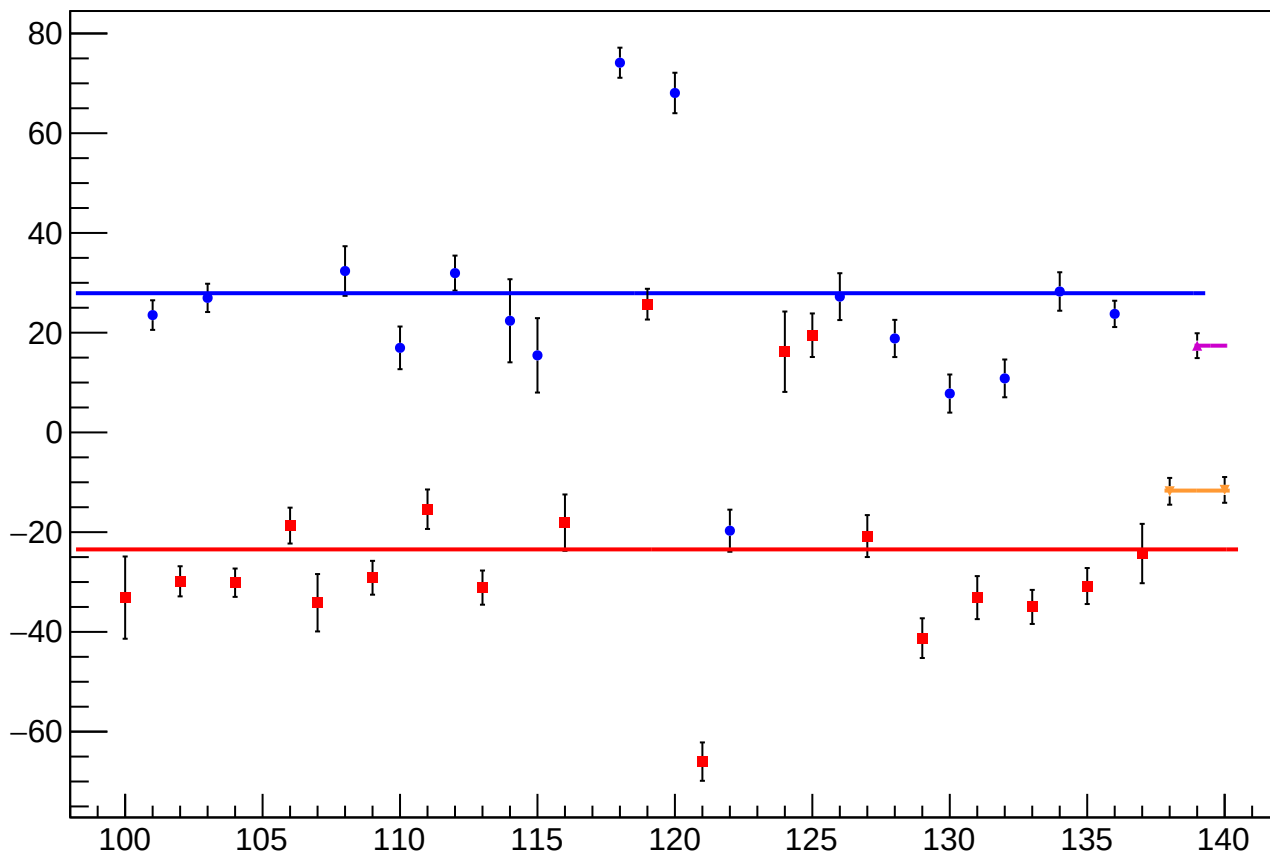
Left In: 1878.464+/-1.455 χ^2/NDF : 0.0/0

+ sign 2271.615+/-0.544 χ^2/NDF : 223571.8/17

All: 2272.985+/-0.391 χ^2/NDF : 422830.9/37

- sign 2274.442+/-0.562 χ^2/NDF : 199246.0/19

diff_bpm1i06Y_mean vs Slug



Right In: 27.916 $\pm$ 0.937 χ^2 /NDF: 530.7/15

Left Out: -11.662 $\pm$ 1.862 χ^2 /NDF: 0.0/1

Right Out: -23.457 $\pm$ 0.903 χ^2 /NDF: 567.9/18

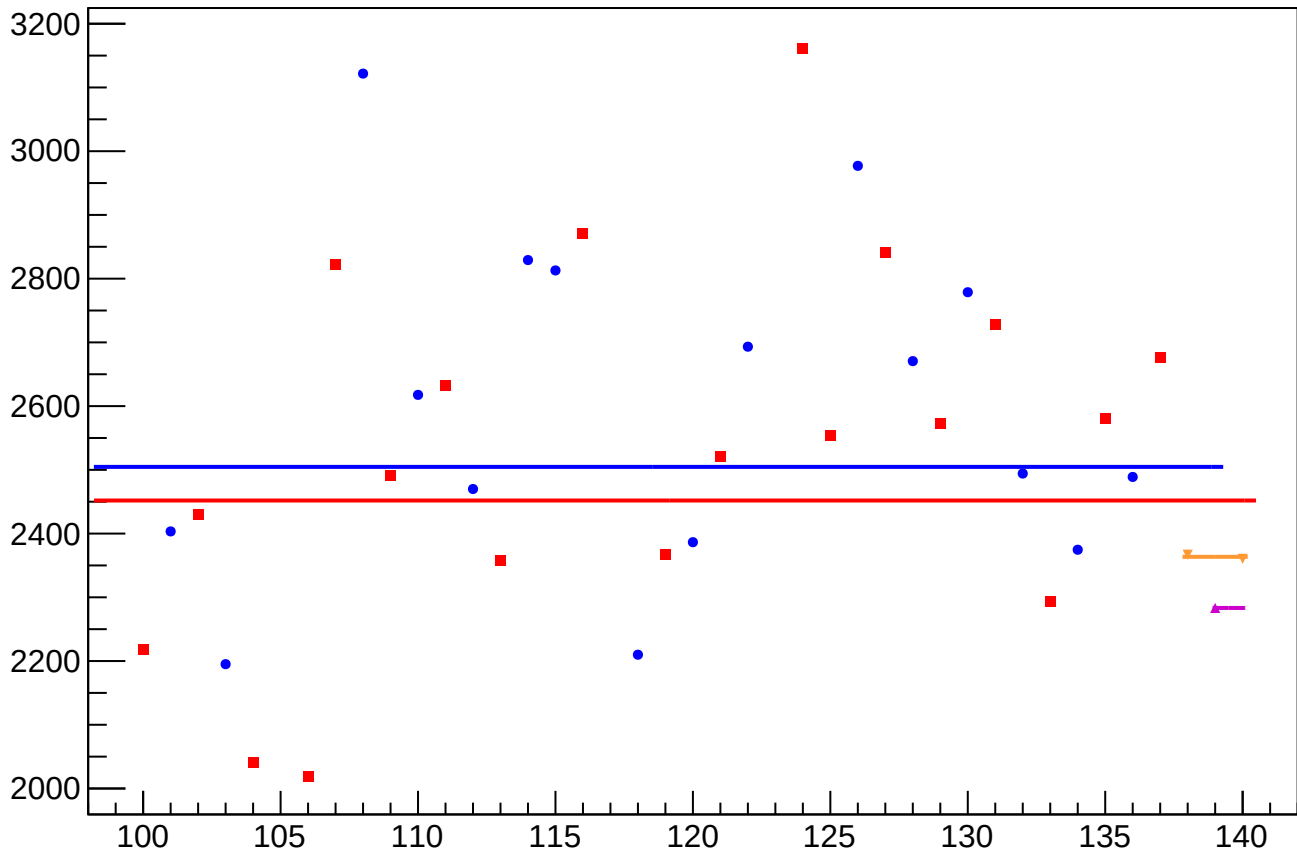
Left In: 17.396 $\pm$ 2.491 χ^2 /NDF: 0.0/0

+ sign 19.922 $\pm$ 0.837 χ^2 /NDF: 891.3/17

All: 0.874 $\pm$ 0.596 χ^2 /NDF: 2747.9/37

- sign -18.715 $\pm$ 0.849 χ^2 /NDF: 805.7/19

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF : 126599.1/15

Left Out: 2363.513+/-1.317 χ^2/NDF : 6.0/1

Right Out: 2451.880+/-0.638 χ^2/NDF : 153237.1/18

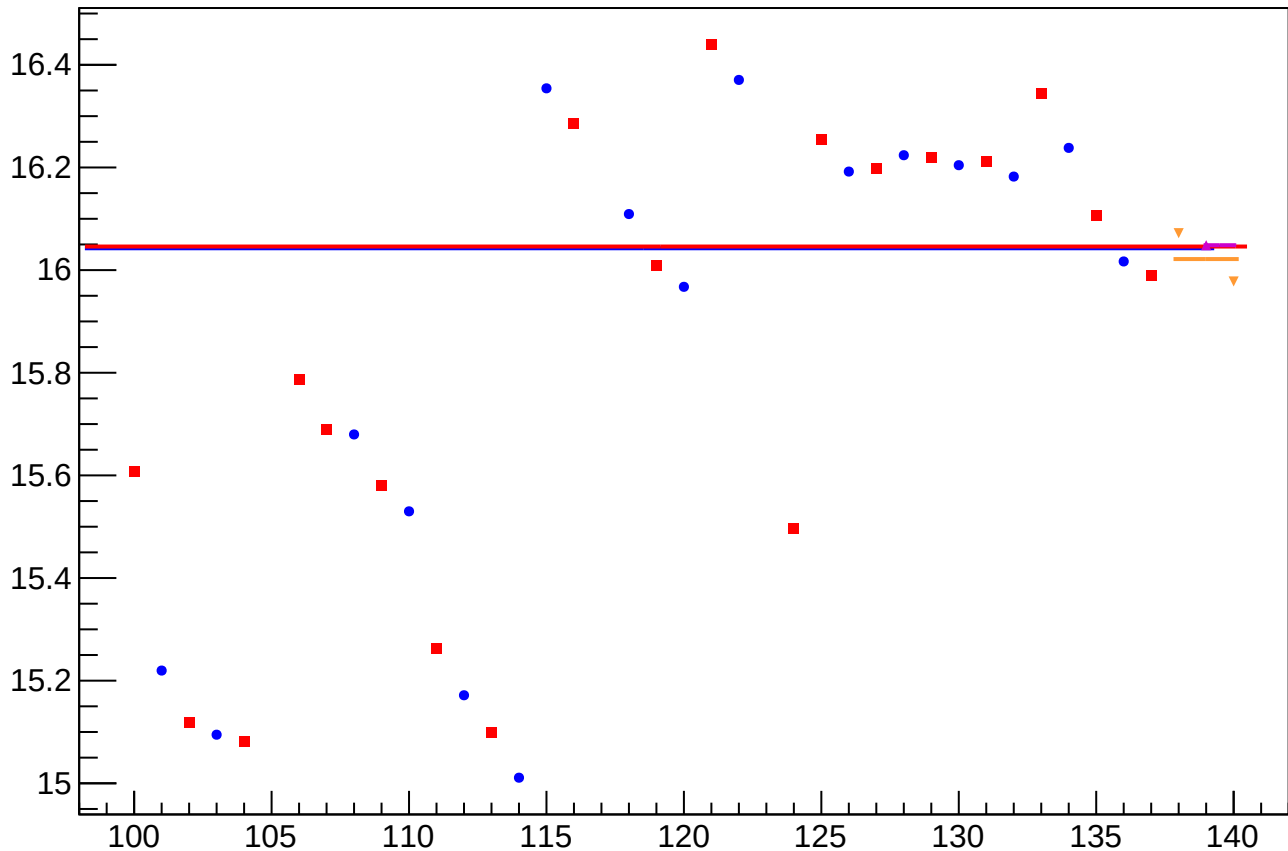
Left In: 2283.292+/-1.761 χ^2/NDF : 0.0/0

+ sign 2476.144+/-0.592 χ^2/NDF : 135776.1/17

All: 2454.534+/-0.421 χ^2/NDF : 299817.8/37

- sign 2432.310+/-0.600 χ^2/NDF : 161336.2/19

yield_sam1_mean vs Slug



Right In: 16.043+/-0.000 χ^2/NDF : 2840540588.4/15

Left Out: 16.022+/-0.000 χ^2/NDF : 34195565.9/1

+ sign 16.036+/-0.000 χ^2/NDF : 2879519463.6/17

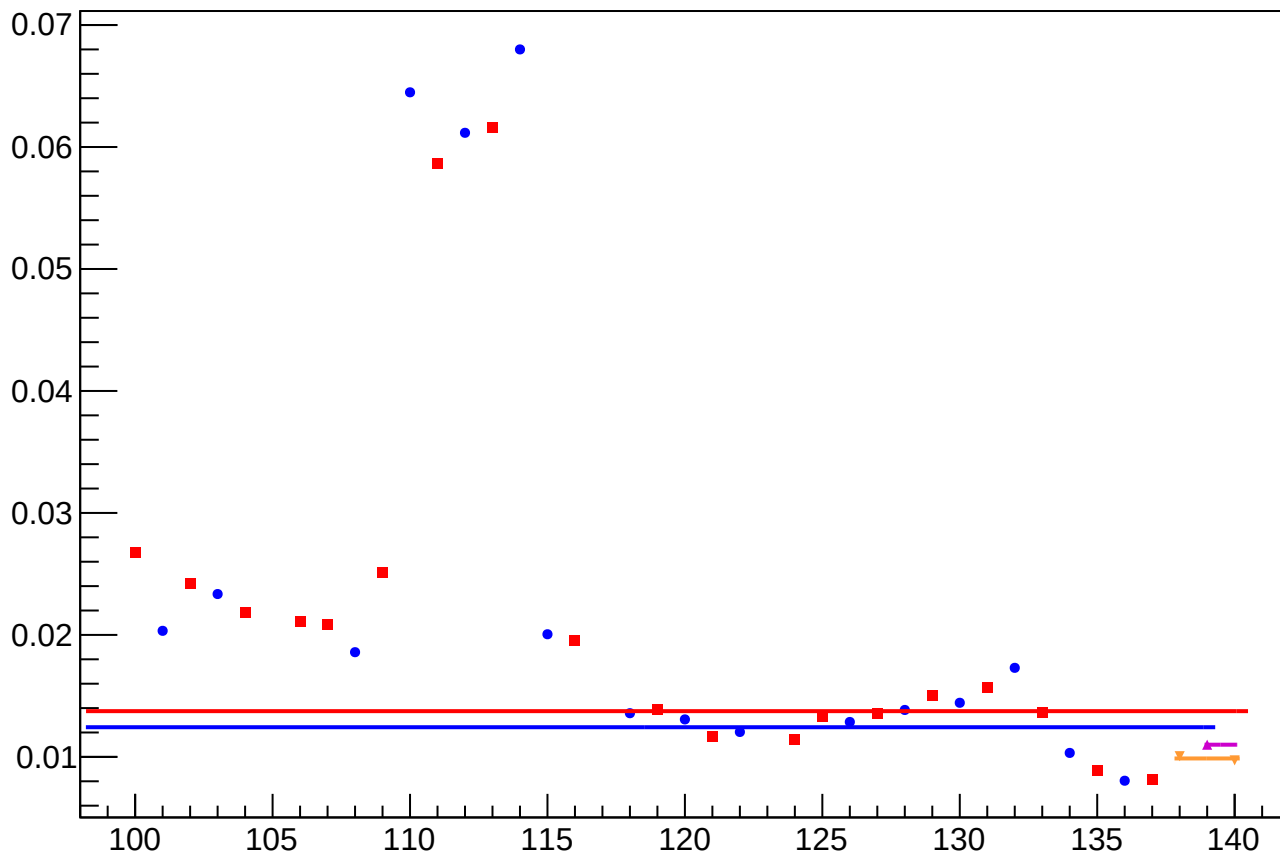
Right Out: 16.046+/-0.000 χ^2/NDF : 3552158387.5/18

All: 16.040+/-0.000 χ^2/NDF : 6433956630.1/3

- sign 16.046+/-0.000 χ^2/NDF : 3552194791.6/19

Left In: 16.049+/-0.000 χ^2/NDF : 0.0/0

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2316842.7/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:897.5/1

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2230614.9/18

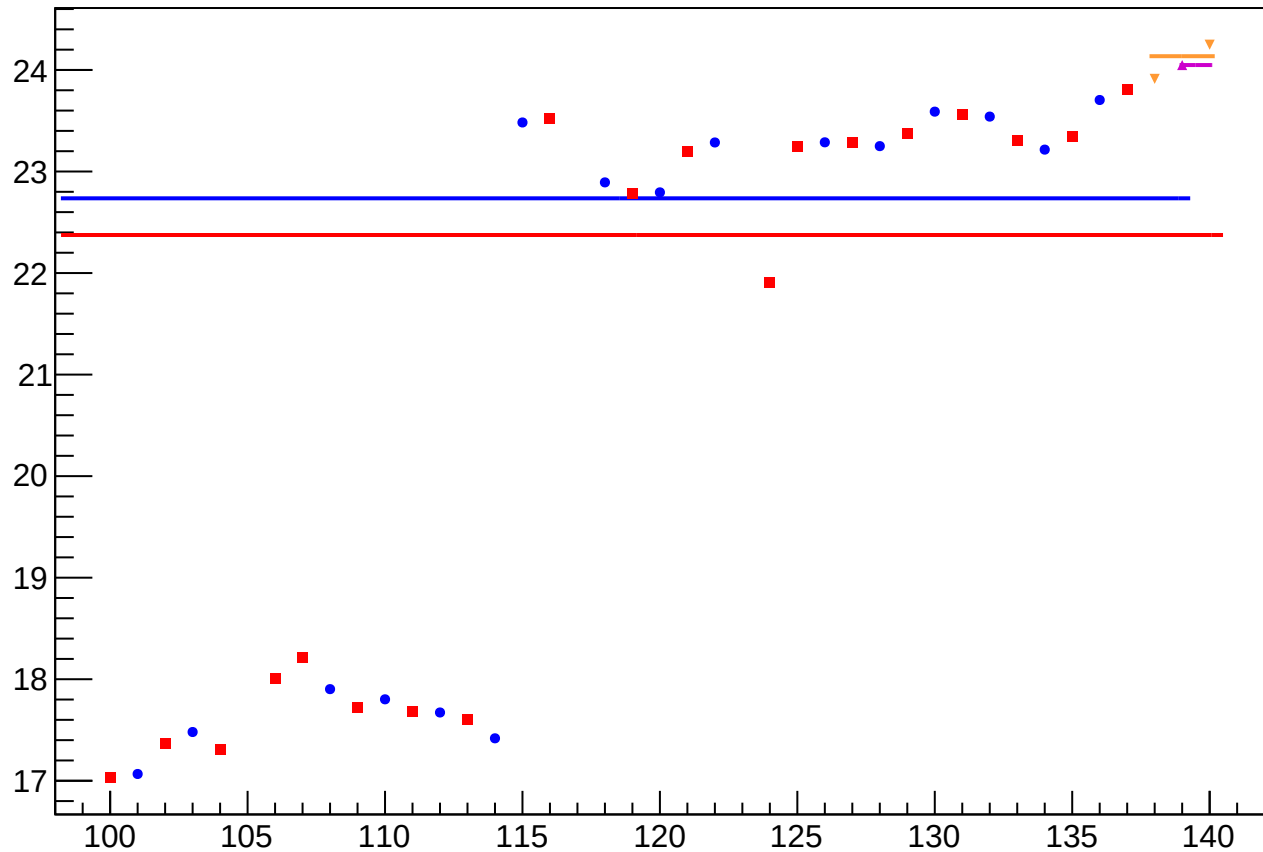
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2459587.4/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4881798.5/37

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2313137.6/19

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2 /NDF: 1220713728.0/15

Left Out: 24.136+/-0.000 χ^2 /NDF: 2359460.5/1

Right Out: 22.375+/-0.000 χ^2 /NDF: 1215661430.7/18

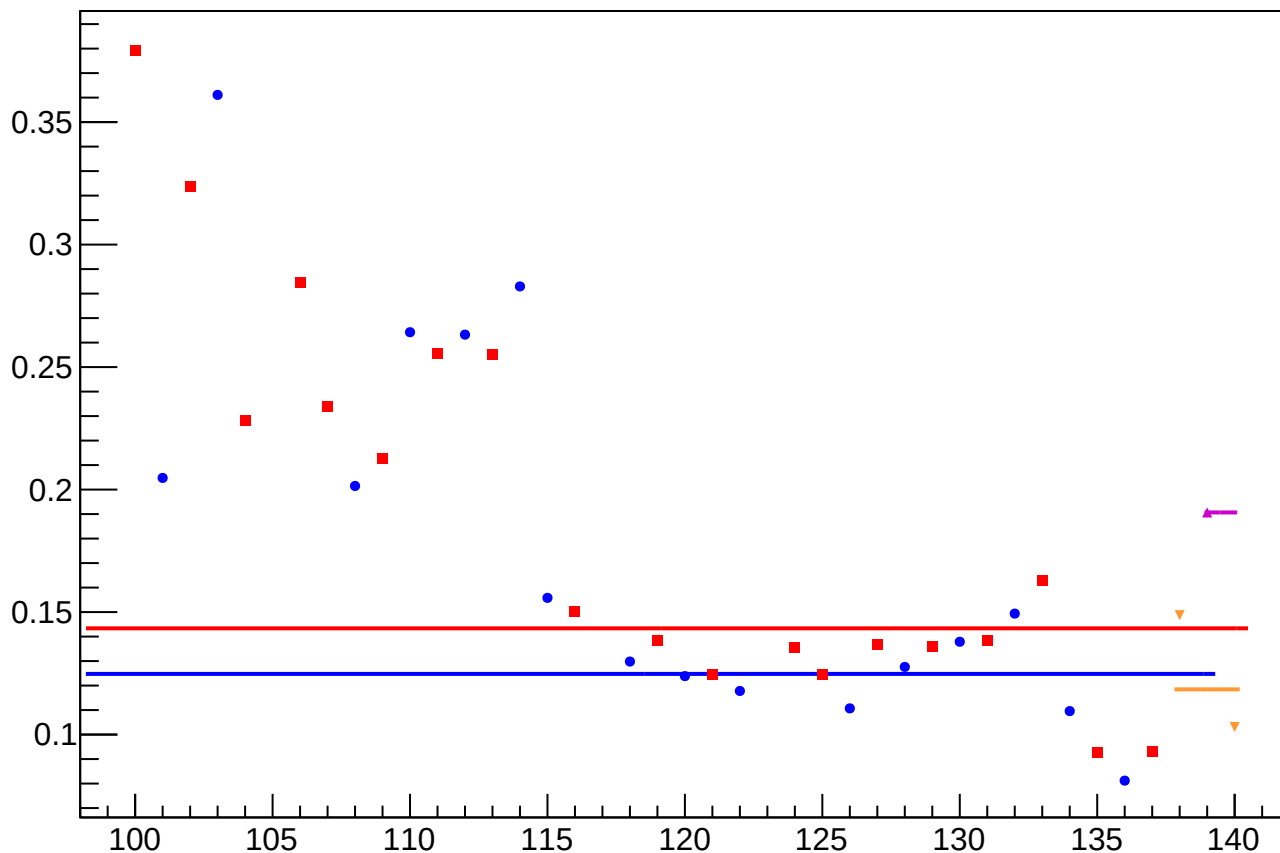
Left In: 24.048+/-0.000 χ^2 /NDF: 0.0/0

+ sign 23.035+/-0.000 χ^2 /NDF: 1366655068.1/17

All: 22.817+/-0.000 χ^2 /NDF: 2692624813.2/3

- sign 22.502+/-0.000 χ^2 /NDF: 1275291223.3/19

yield_sam2_rms vs Slug



Right In: 0.125 $\pm$ 0.000 χ^2 /NDF: 1749818.7/15

Left Out: 0.118 $\pm$ 0.000 χ^2 /NDF:86854.8/1

Right Out: 0.143 $\pm$ 0.000 χ^2 /NDF: 1570103.9/18

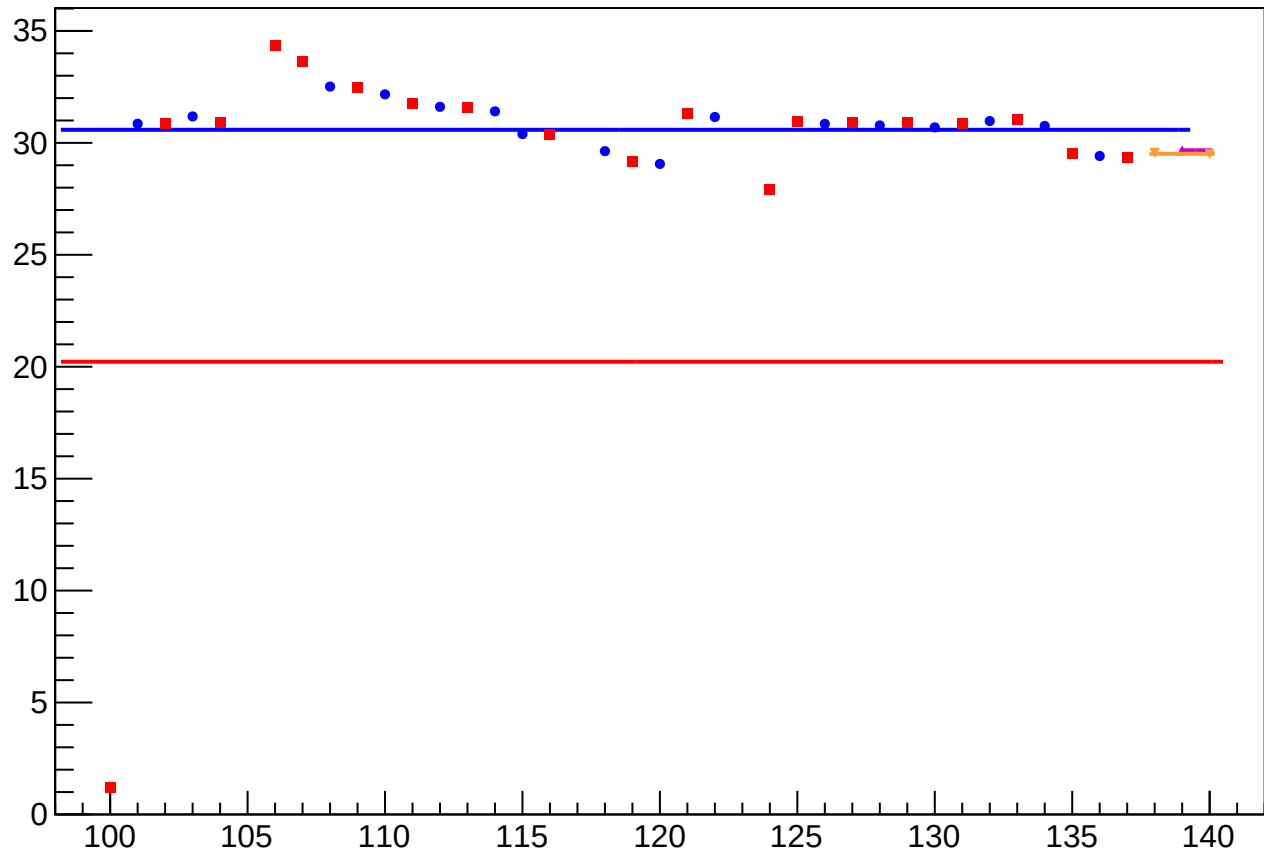
Left In: 0.191 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.123 $\pm$ 0.000 χ^2 /NDF: 1842516.3/17

All: 0.133 $\pm$ 0.000 χ^2 /NDF: 3706197.9/37

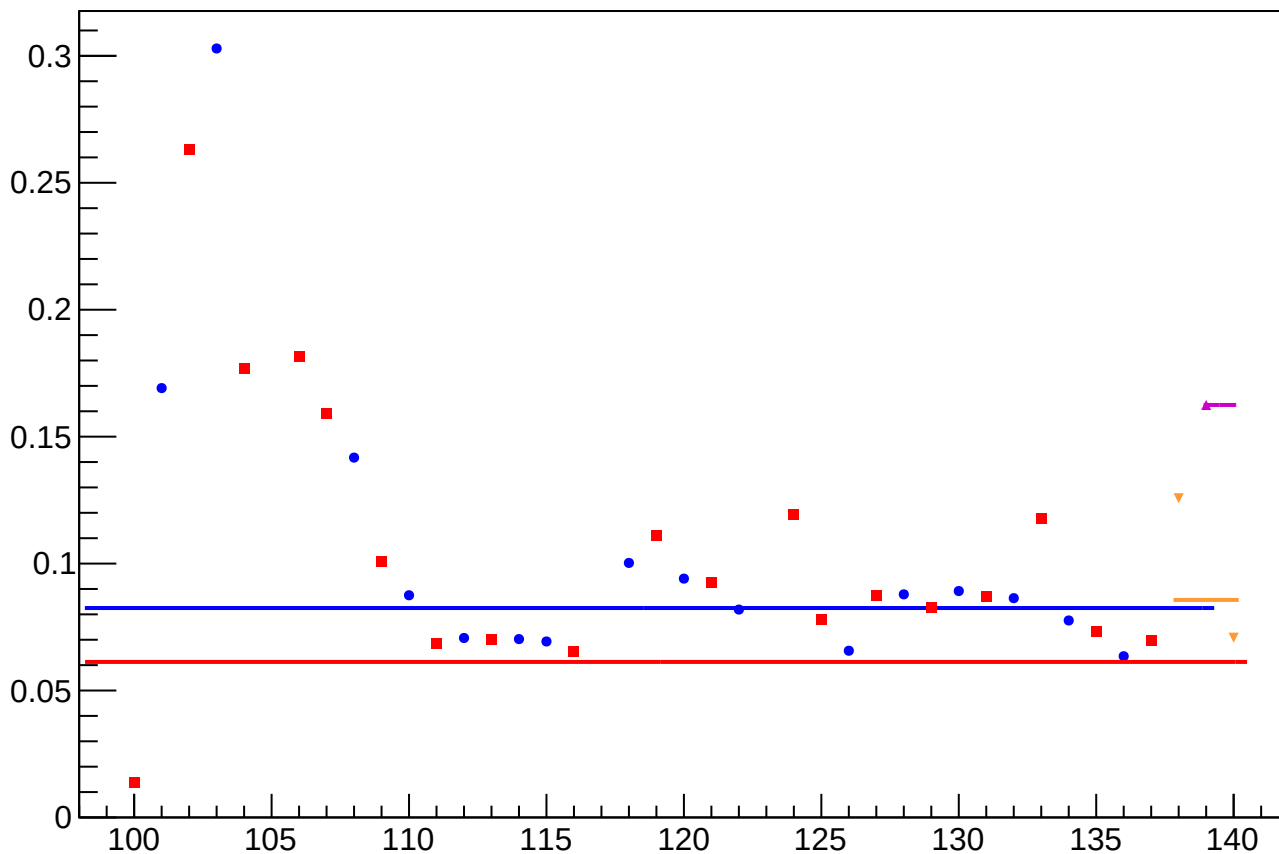
- sign 0.147 $\pm$ 0.000 χ^2 /NDF: 1665349.1/19

yield_sam3_mean vs Slug



Right In: 30.585 $\pm$ 0.000 χ^2 /NDF: 652266844.4/15
 Left Out: 29.511 $\pm$ 0.000 χ^2 /NDF:126898.8/1
 Right Out: 20.224 $\pm$ 0.000 χ^2 /NDF: 221262816636.2/18
 Left In: 29.668 $\pm$ 0.000 χ^2 /NDF:0.0/0
 + sign 30.408 $\pm$ 0.000 χ^2 /NDF: 798722018.7/17
 All: 24.979 $\pm$ 0.000 χ^2 /NDF: 274643705229.
 - sign 20.489 $\pm$ 0.000 χ^2 /NDF: 223987348548.4/19

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1261492.7/15

Left Out: 0.086 $\pm$ 0.000 χ^2 /NDF:181015.6/1

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 4014305.3/18

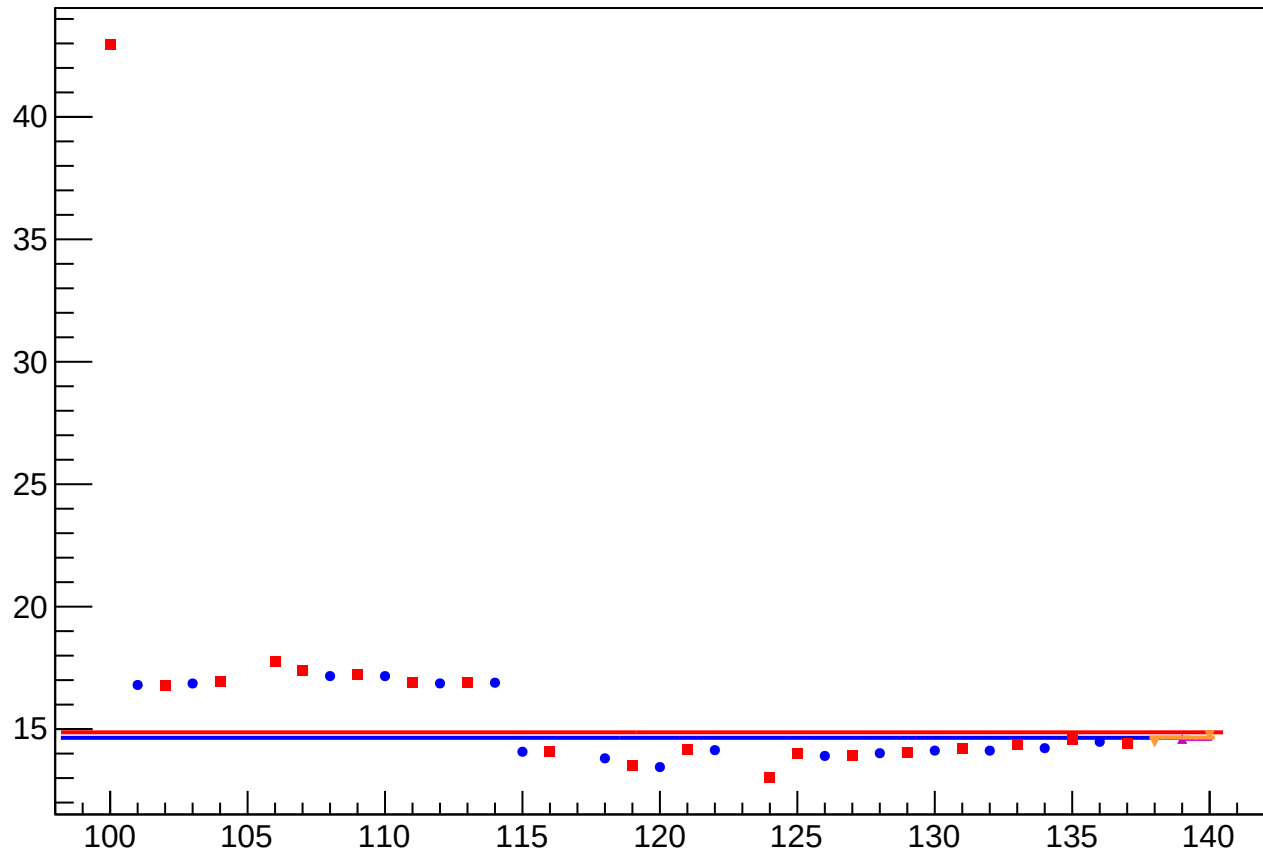
Left In: 0.162 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.083 $\pm$ 0.000 χ^2 /NDF: 1445090.2/17

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 6447899.9/37

- sign 0.064 $\pm$ 0.000 χ^2 /NDF: 4640204.3/19

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF : 1193913109.5/15

Left Out: 14.654+/-0.000 χ^2/NDF : 3075729.7/1

Right Out: 14.868+/-0.000 χ^2/NDF : 1730040006.8/18

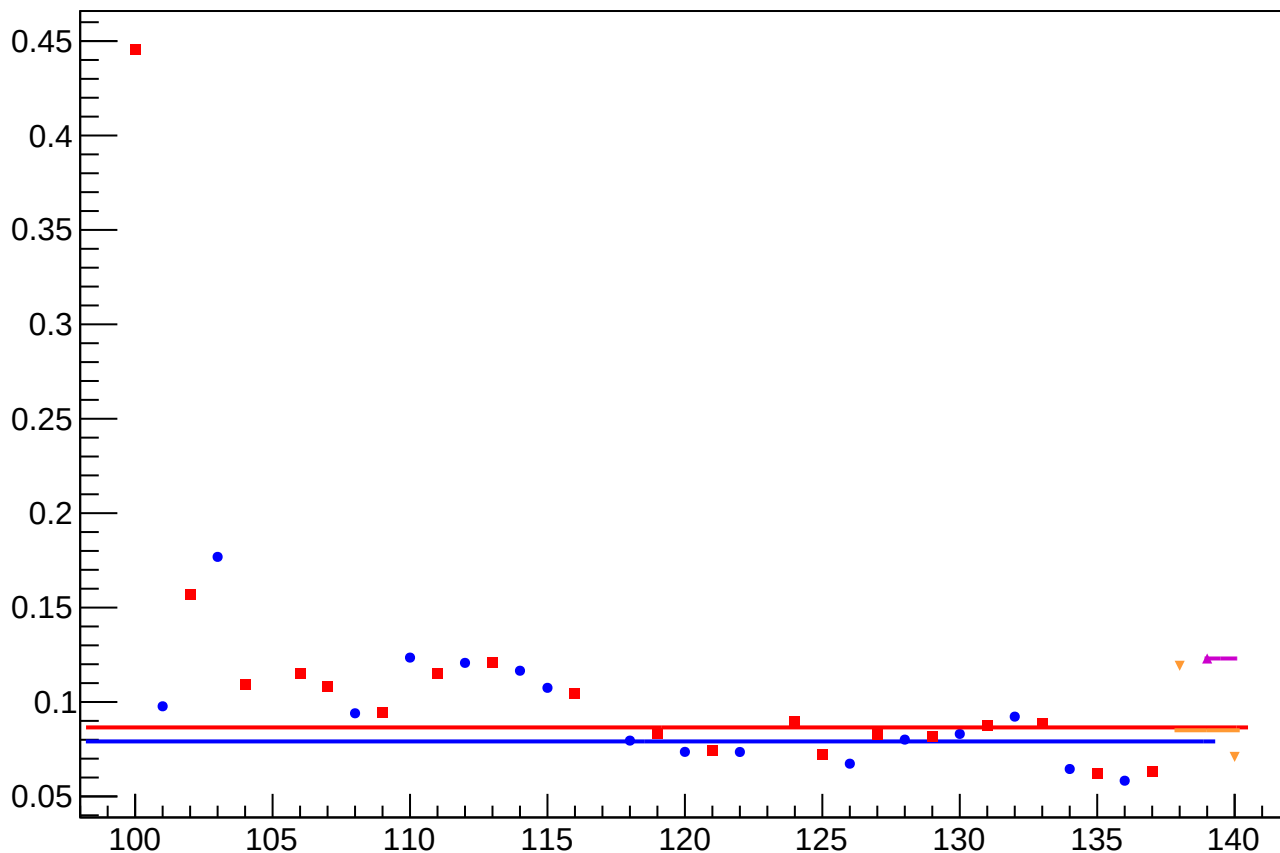
Left In: 14.600+/-0.000 χ^2/NDF : 0.0/0

+ sign 14.646+/-0.000 χ^2/NDF : 1197000984.3/17

All: 14.736+/-0.000 χ^2/NDF : 2951415753.5/3

- sign 14.852+/-0.000 χ^2/NDF : 1733694726.6/19

yield_sam4_rms vs Slug



Right In: 0.079 $\pm$ 0.000 χ^2 /NDF: 918198.7/15

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF:165821.6/1

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 793345.8/18

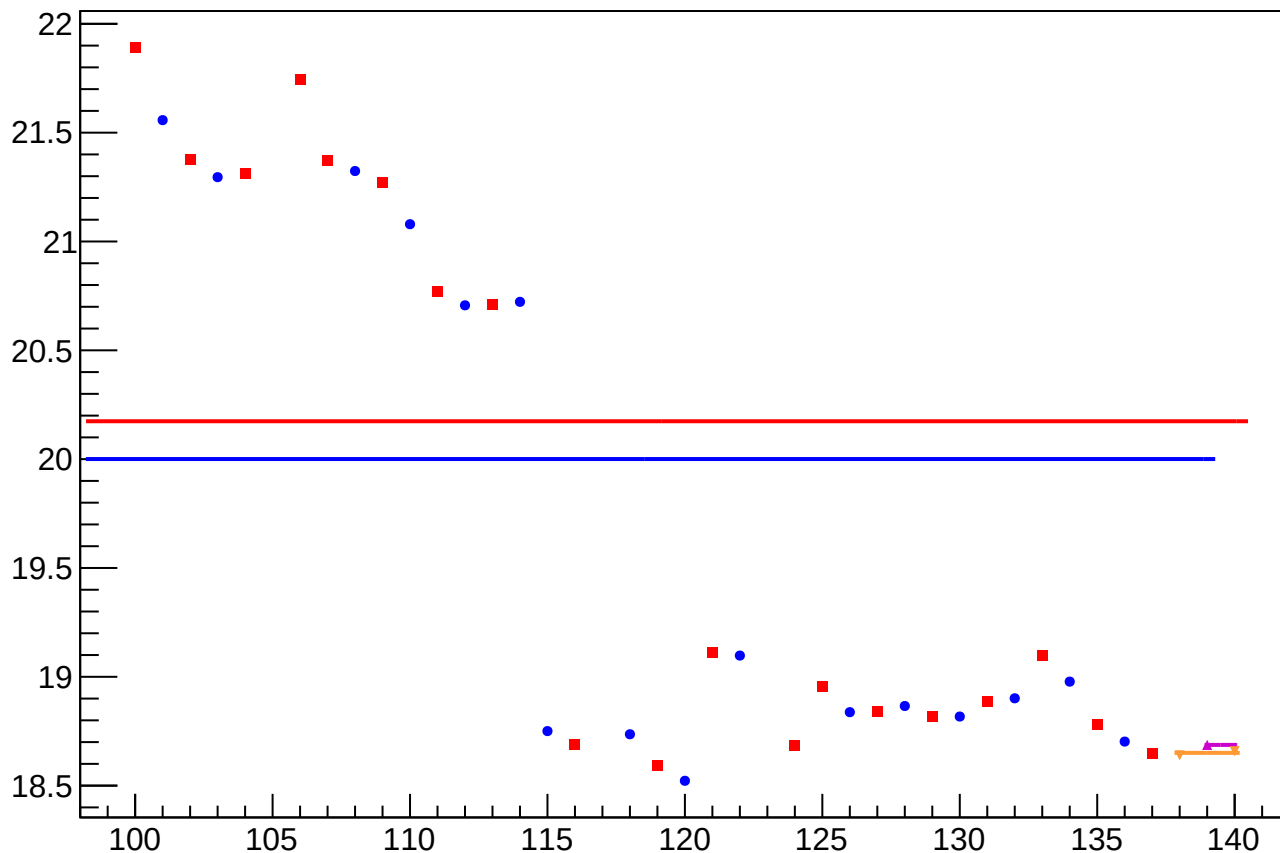
Left In: 0.123 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1094141.7/17

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 2097853.1/37

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 928562.6/19

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF : 10878846617.7/15

Left Out: 18.651+/-0.000 χ^2/NDF : 102838.7/1

Right Out: 20.174+/-0.000 χ^2/NDF : 10426322430.8/18

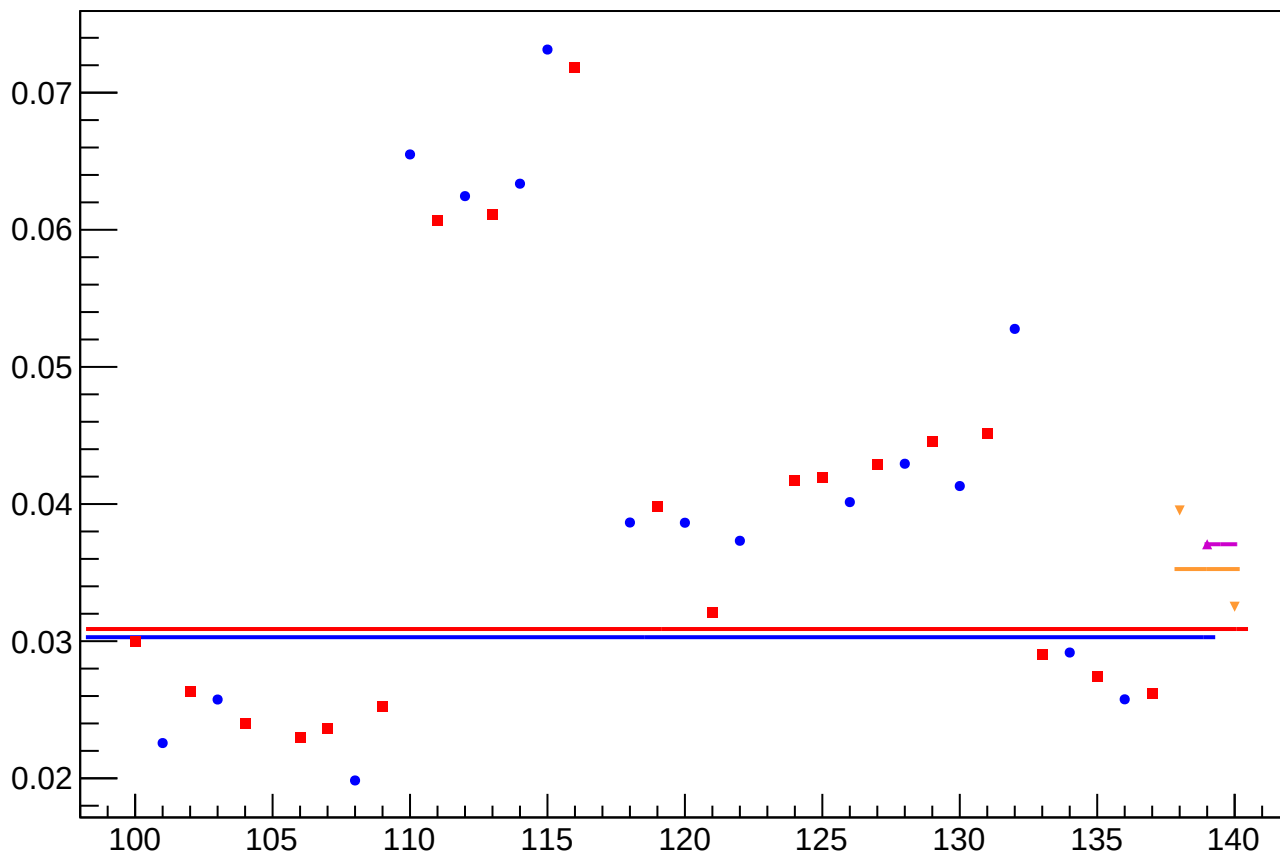
Left In: 18.687+/-0.000 χ^2/NDF : 0.0/0

+ sign 19.789+/-0.000 χ^2/NDF : 12734247615.6/17

All: 19.915+/-0.000 χ^2/NDF : 24598276090.2

- sign 20.052+/-0.000 χ^2/NDF : 11607973717.7/19

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1447374.9/15

Left Out: 0.035+/-0.000 χ^2/NDF :28349.2/1

Right Out: 0.031+/-0.000 χ^2/NDF : 1204729.6/18

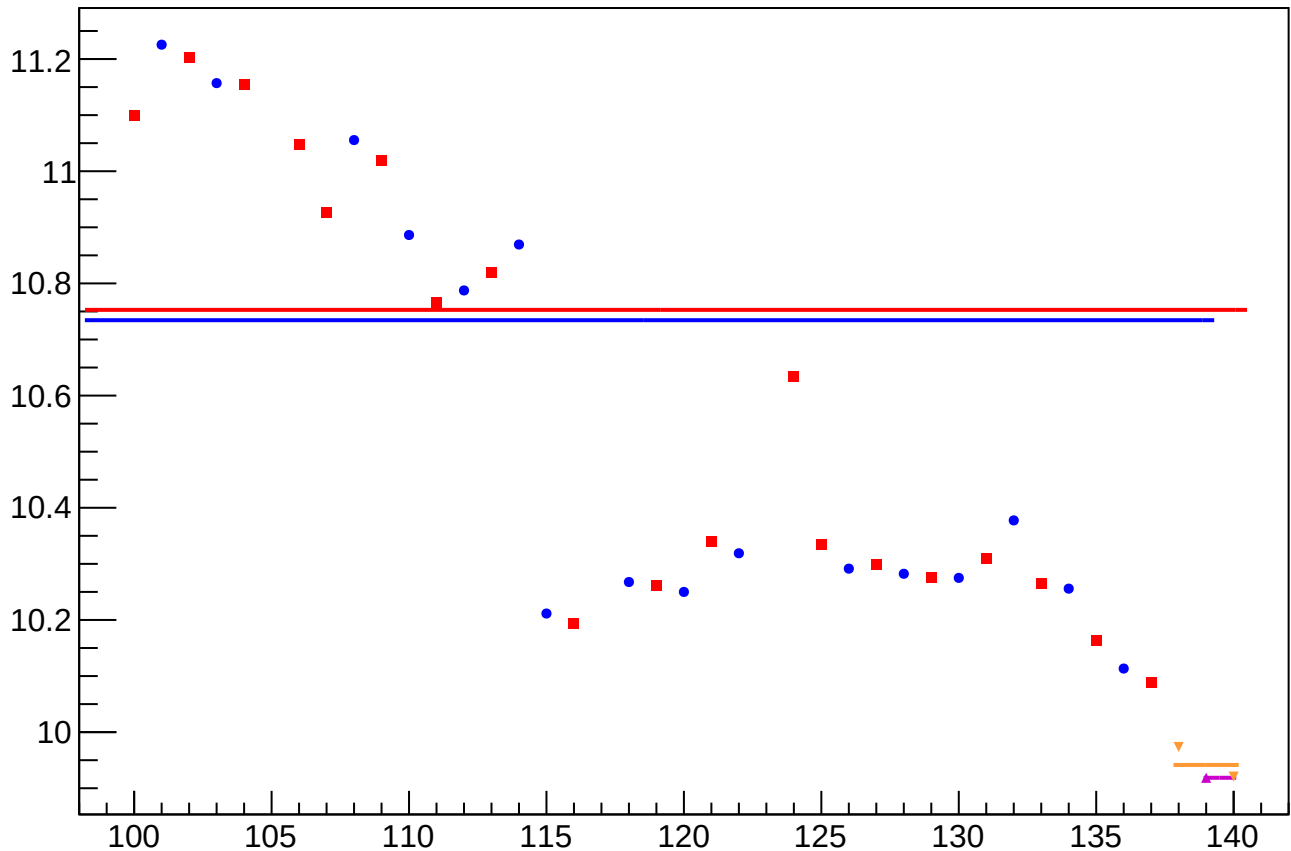
Left In: 0.037+/-0.000 χ^2/NDF :0.0/0

+ sign 0.031+/-0.000 χ^2/NDF : 1525997.8/17

All: 0.031+/-0.000 χ^2/NDF : 2772347.2/37

- sign 0.031+/-0.000 χ^2/NDF : 1245570.0/19

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF : 5879444478.4/15

Left Out: 9.942+/-0.000 χ^2/NDF : 2478306.9/1

Right Out: 10.753+/-0.000 χ^2/NDF : 4344265704.2/18

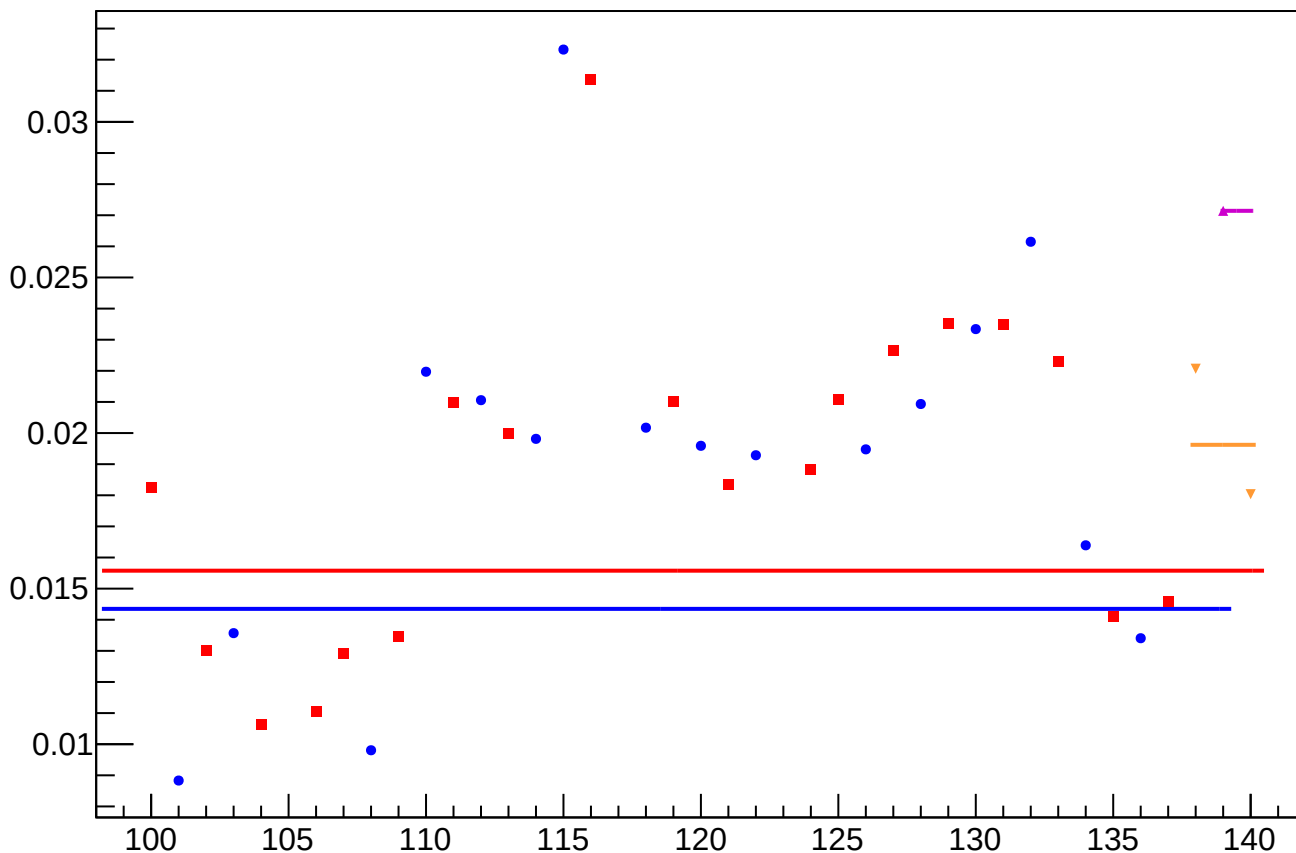
Left In: 9.919+/-0.000 χ^2/NDF : 0.0/0

+ sign 10.640+/-0.000 χ^2/NDF : 7941967654.5/17

All: 10.676+/-0.000 χ^2/NDF : 13125563297.0

- sign 10.717+/-0.000 χ^2/NDF : 5097993437.1/19

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1481790.8/15

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 28851.9/1

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1071979.1/18

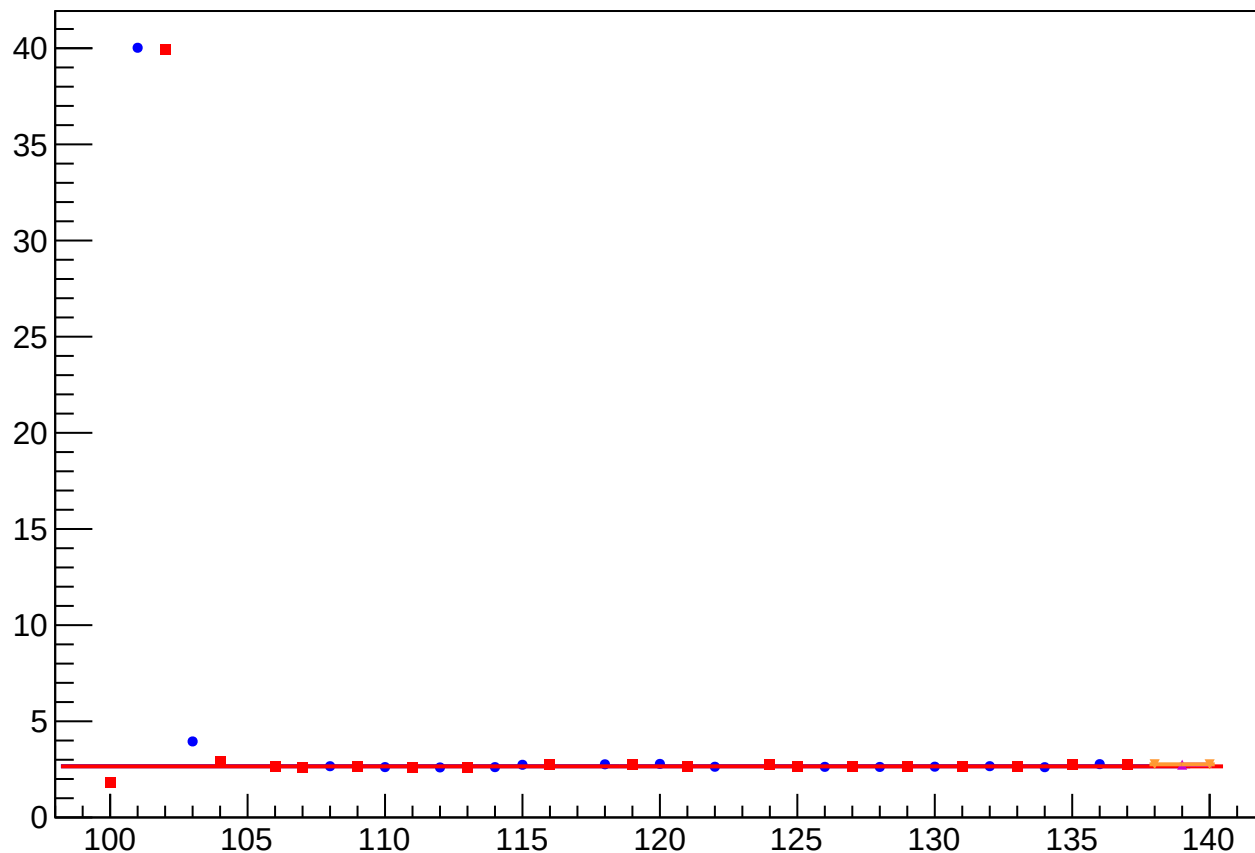
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 1692819.3/17

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 3088933.3/37

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 1361733.4/19

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF : 67839888284.3/15

Left Out: 2.763+/-0.000 χ^2/NDF :326152.4/1

Right Out: 2.656+/-0.000 χ^2/NDF : 65056887880.1/18

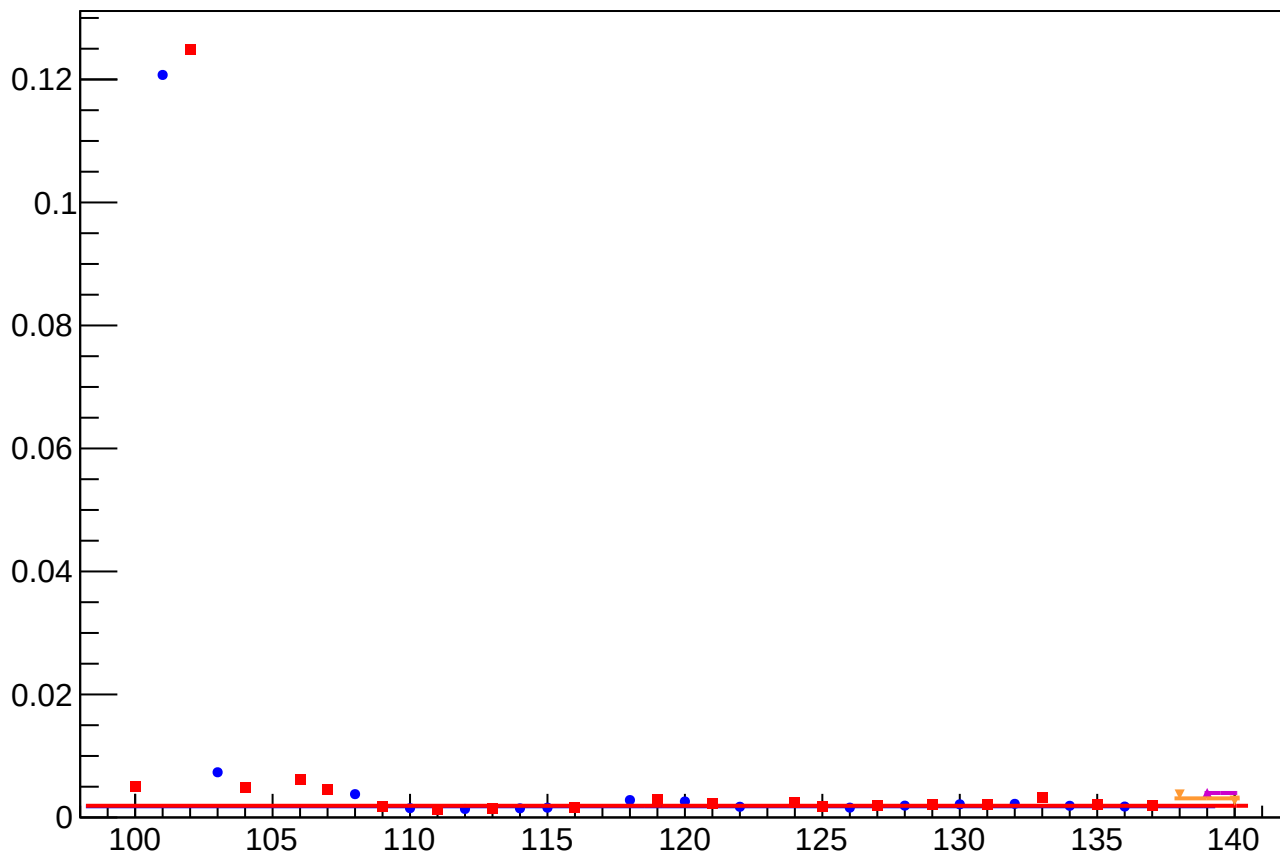
Left In: 2.746+/-0.000 χ^2/NDF :0.0/0

+ sign 2.672+/-0.000 χ^2/NDF : 69080460186.9/17

All: 2.666+/-0.000 χ^2/NDF : 134653436270.5

- sign 2.660+/-0.000 χ^2/NDF : 65448323531.7/19

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1822680.9/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:64248.7/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2525514.7/18

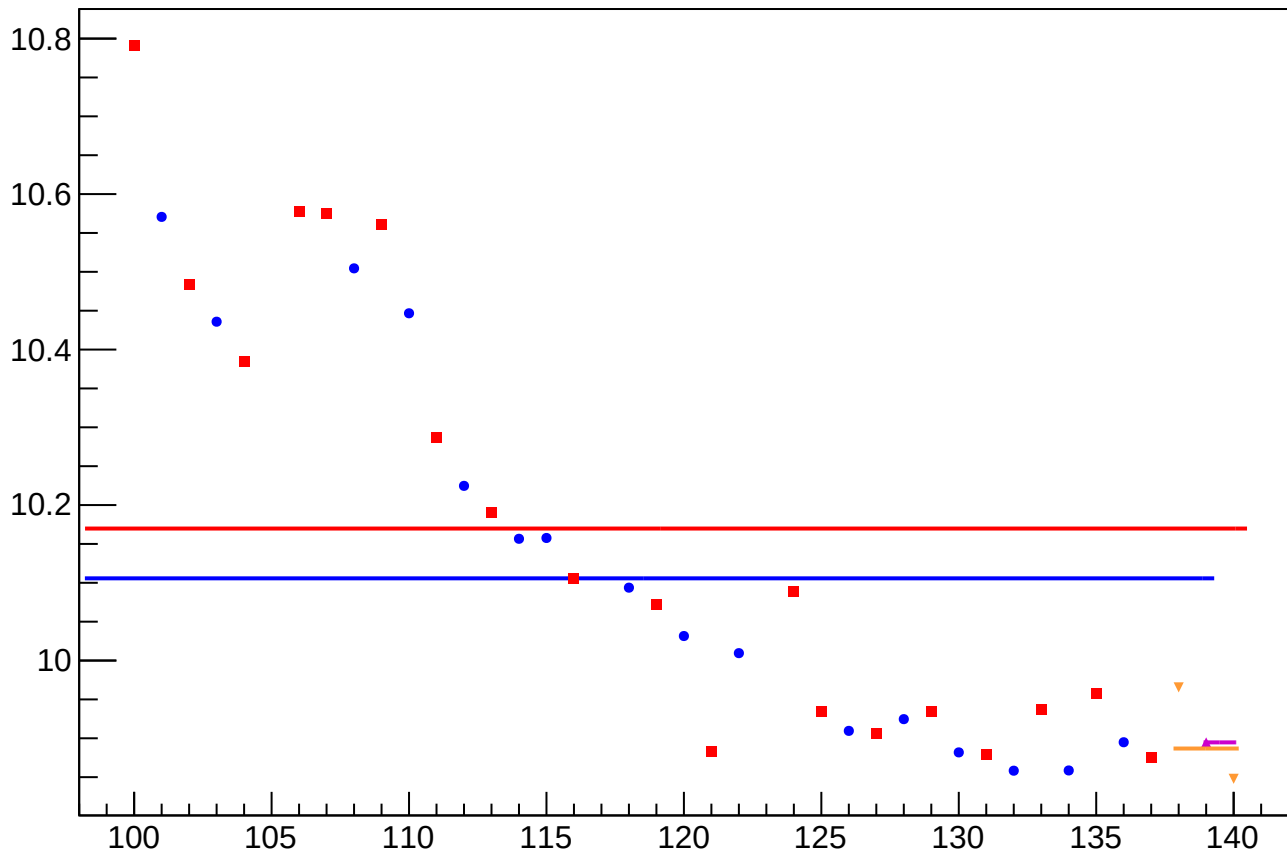
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2305133.2/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5255902.9/37

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2947734.8/19

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF : 9126550621.3/15

Left Out: 9.887+/-0.000 χ^2/NDF : 41232702.2/1

Right Out: 10.170+/-0.000 χ^2/NDF : 9135610954.1/18

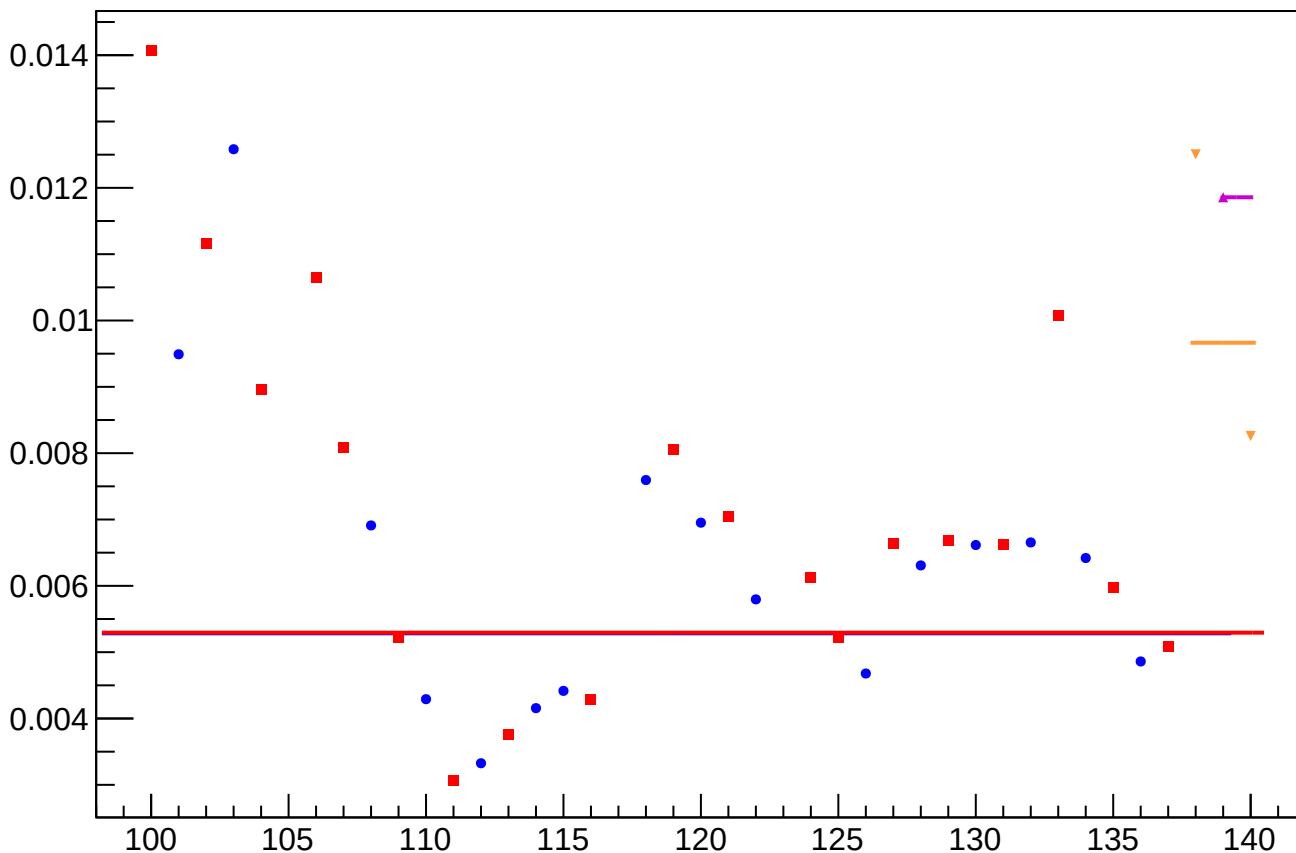
Left In: 9.895+/-0.000 χ^2/NDF : 0.0/0

+ sign 10.091+/-0.000 χ^2/NDF : 9771082623.4/17

All: 10.126+/-0.000 χ^2/NDF : 19829139043.1

- sign 10.162+/-0.000 χ^2/NDF : 9546408464.5/19

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1274133.0/15

Left Out: 0.010+/-0.000 χ^2/NDF : 107497.2/1

Right Out: 0.005+/-0.000 χ^2/NDF : 1792250.8/18

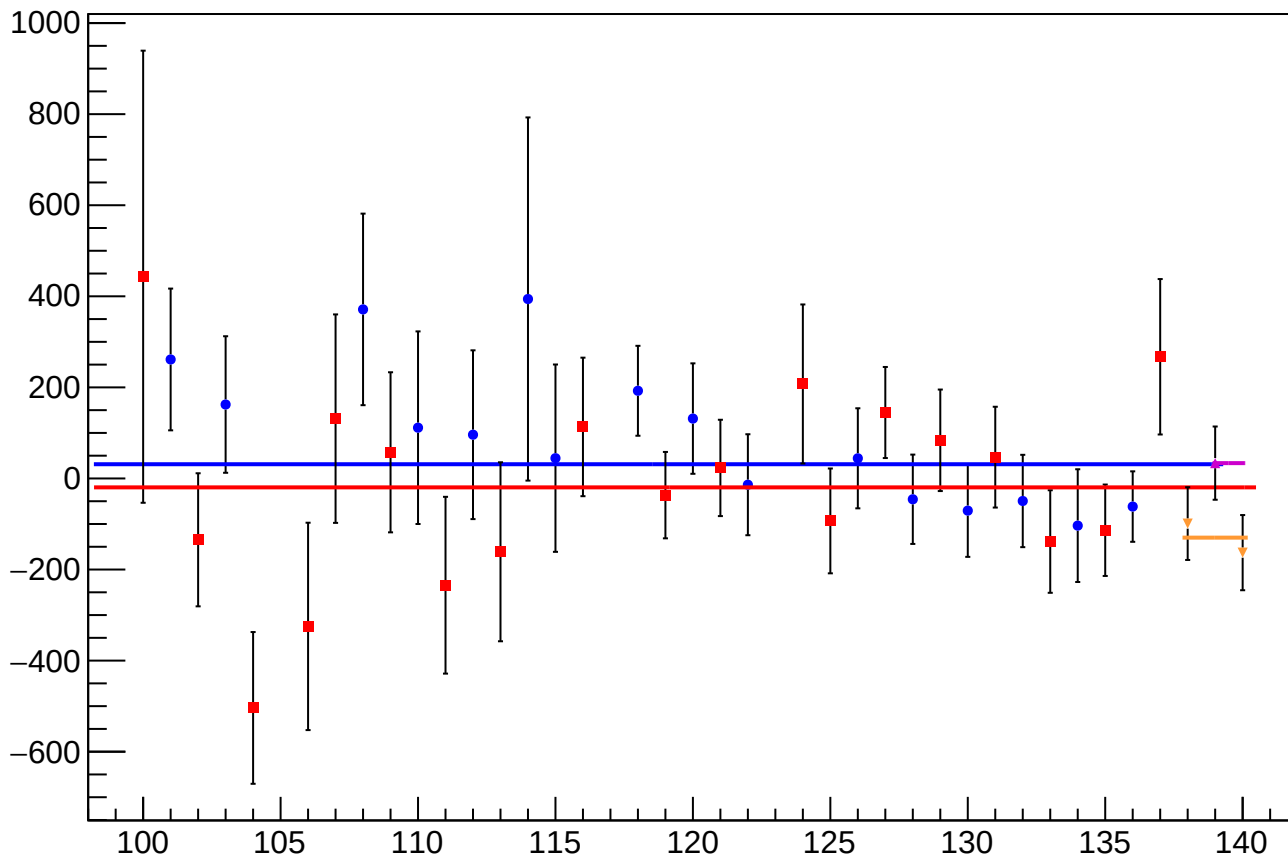
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.006+/-0.000 χ^2/NDF : 1864765.9/17

All: 0.006+/-0.000 χ^2/NDF : 4126705.5/37

- sign 0.005+/-0.000 χ^2/NDF : 2260109.8/19

reg_asym_sam1_mean vs Slug



Right In: 31.249 $\pm$ 30.786 χ^2 /NDF: 15.1/15

Left Out: -129.955 $\pm$ 57.402 χ^2 /NDF: 0.3/1

Right Out: -19.573 $\pm$ 31.059 χ^2 /NDF: 25.9/18

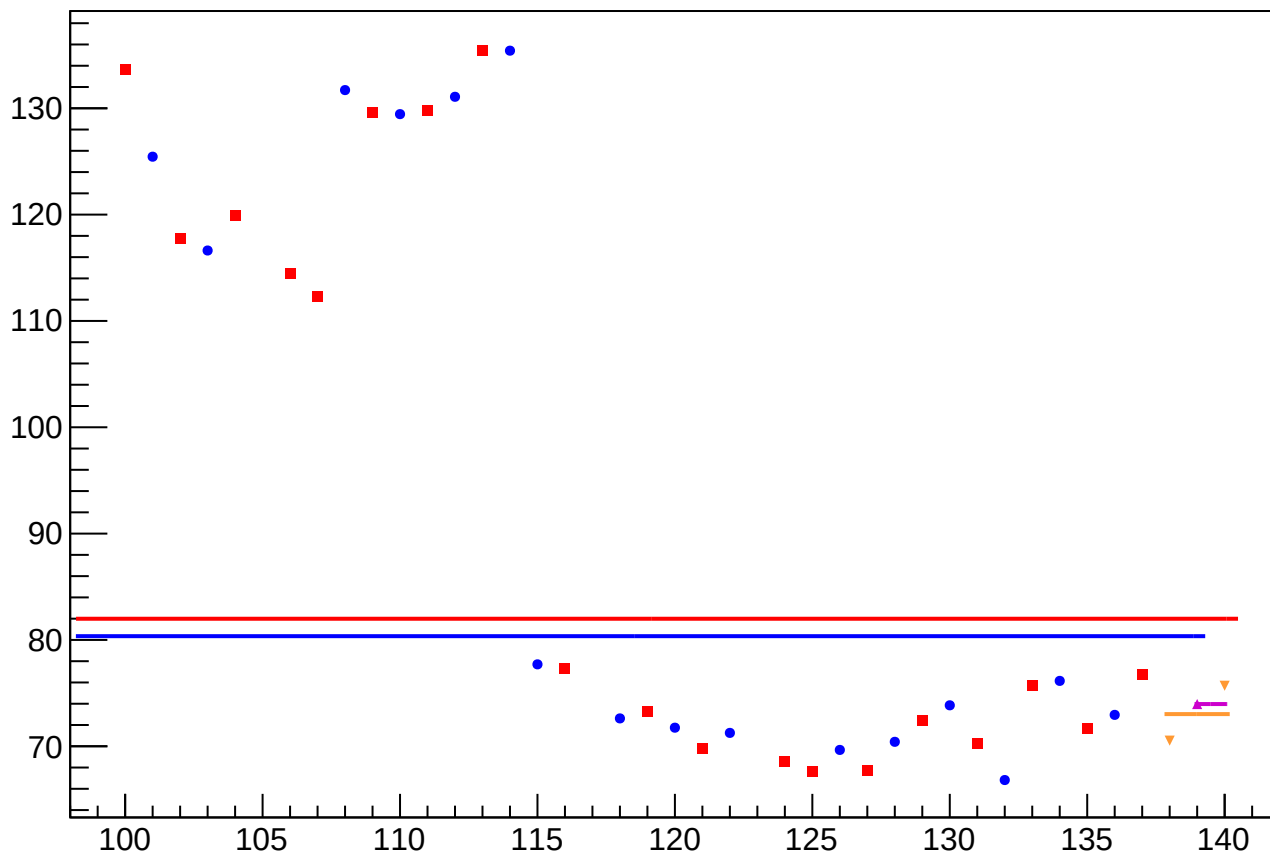
Left In: 33.668 $\pm$ 80.412 χ^2 /NDF: 0.0/0

+ sign -4.762 $\pm$ 27.131 χ^2 /NDF: 21.5/17

All: -8.453 $\pm$ 19.803 χ^2 /NDF: 47.8/37

- sign -12.662 $\pm$ 28.973 χ^2 /NDF: 26.3/19

reg_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.5/15

Left Out: 73.025 $\pm$ 0.041 χ^2 /NDF:4039.9/1

Right Out: 81.993 $\pm$ 0.022 χ^2 /NDF: 932337.7/18

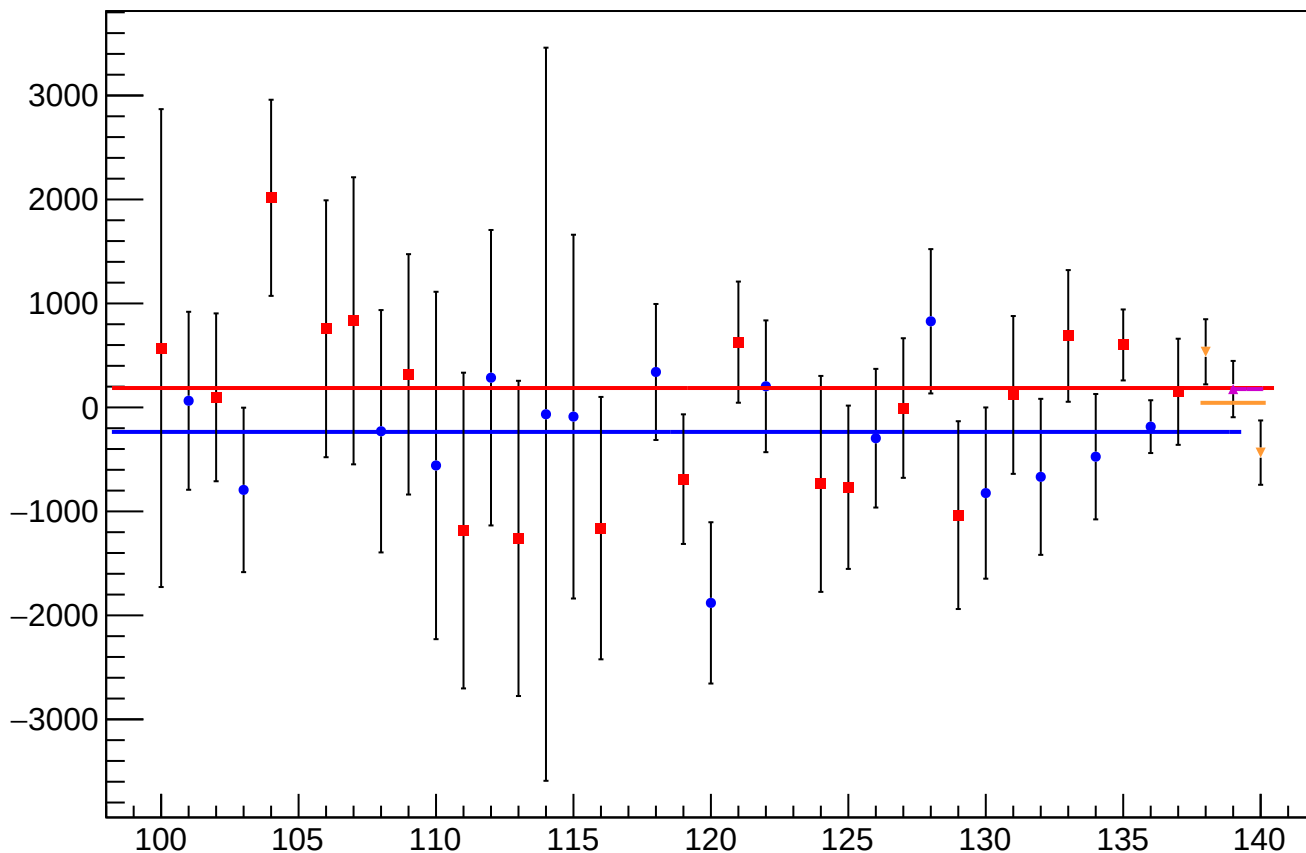
Left In: 73.970 $\pm$ 0.057 χ^2 /NDF:0.0/0

+ sign 78.717 $\pm$ 0.019 χ^2 /NDF: 869397.3/17

All: 79.761 $\pm$ 0.014 χ^2 /NDF: 1825397.4/37

- sign 80.951 $\pm$ 0.020 χ^2 /NDF: 949660.8/19

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF : 9.9/15

Left Out: 44.214+/-220.132 χ^2/NDF : 4.9/1

Right Out: 186.618+/-170.394 χ^2/NDF : 16.0/18

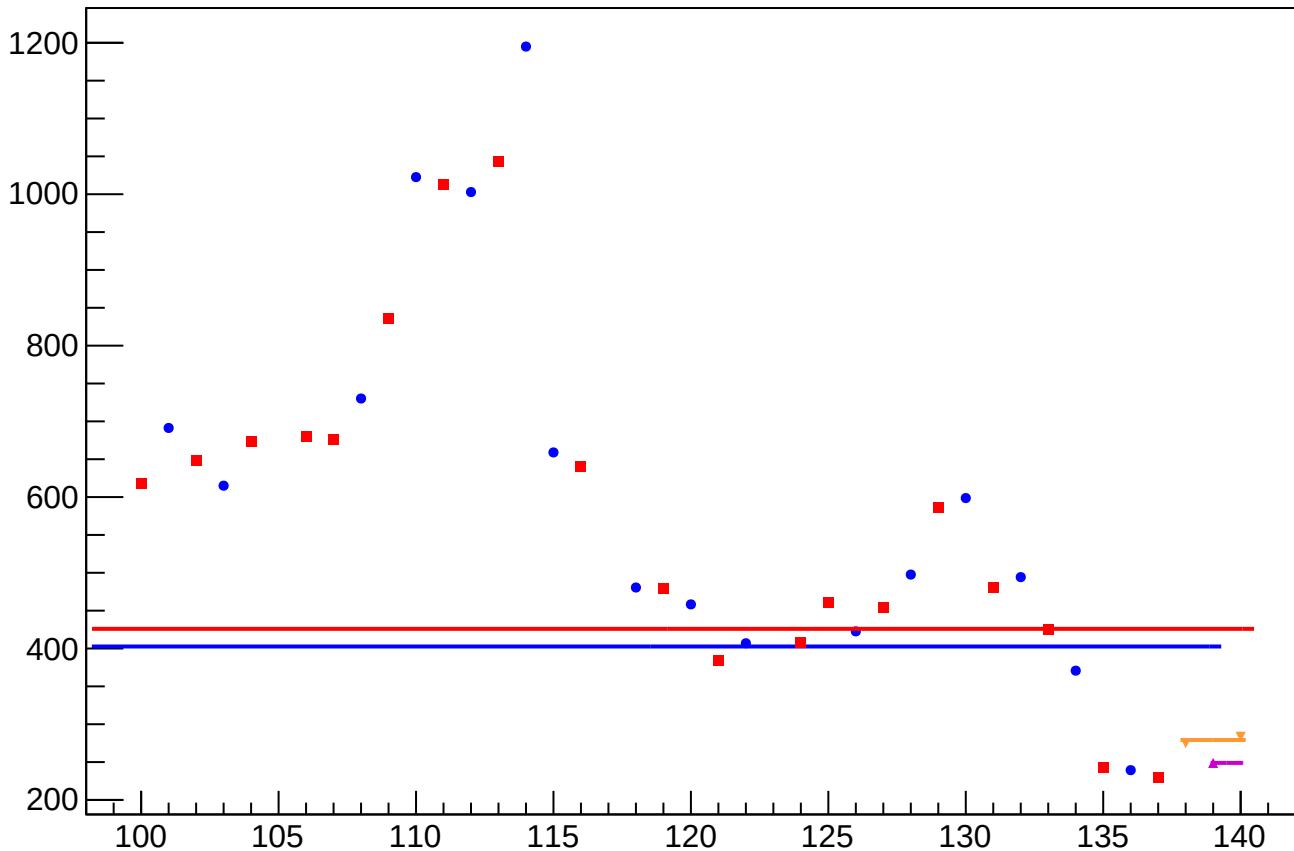
Left In: 176.429+/-270.772 χ^2/NDF : 0.0/0

+ sign -135.860+/-131.393 χ^2/NDF : 15.8/17

All: 9.098+/-97.126 χ^2/NDF : 34.5/37

- sign 183.728+/-144.215 χ^2/NDF : 16.0/19

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2 /NDF: 2360092.2/15

Left Out: 279.154 $\pm$ 0.156 χ^2 /NDF: 771.1/1

Right Out: 425.980 $\pm$ 0.120 χ^2 /NDF: 2368792.4/18

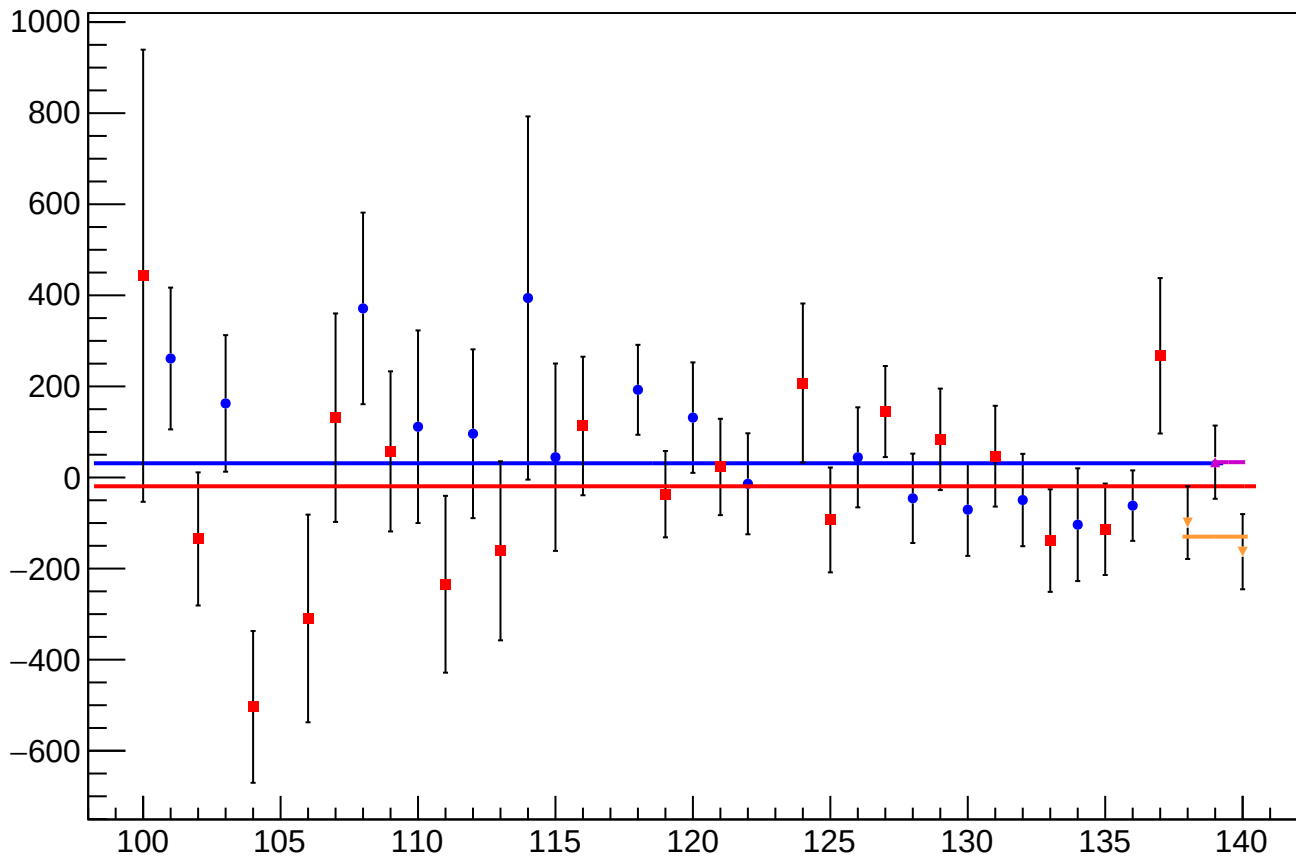
Left In: 248.910 $\pm$ 0.191 χ^2 /NDF: 0.0/0

+ sign 358.657 $\pm$ 0.093 χ^2 /NDF: 2766113.7/17

All: 366.410 $\pm$ 0.069 χ^2 /NDF: 5762923.7/37

- sign 375.750 $\pm$ 0.102 χ^2 /NDF: 2981457.7/19

cor_asym_sam1_mean vs Slug



Right In: 31.260 $\pm$ 30.786 χ^2 /NDF: 15.1/15

Left Out: -129.946 $\pm$ 57.402 χ^2 /NDF: 0.3/1

Right Out: -19.282 $\pm$ 31.060 χ^2 /NDF: 25.7/18

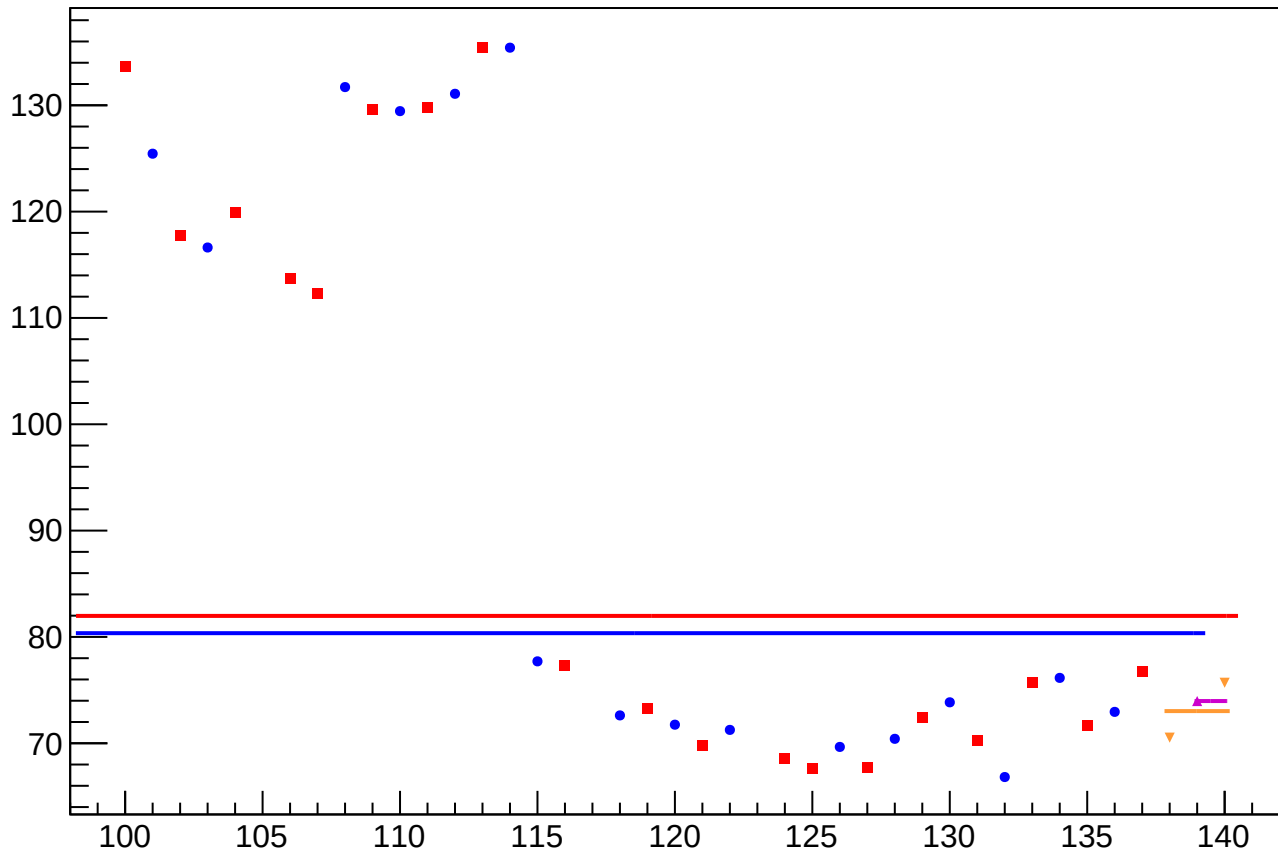
Left In: 33.659 $\pm$ 80.412 χ^2 /NDF: 0.0/0

+ sign -4.752 $\pm$ 27.131 χ^2 /NDF: 21.5/17

All: -8.329 $\pm$ 19.804 χ^2 /NDF: 47.6/37

- sign -12.409 $\pm$ 28.973 χ^2 /NDF: 26.1/19

cor_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.7/15

Left Out: 73.025 $\pm$ 0.041 χ^2 /NDF:4039.9/1

Right Out: 81.978 $\pm$ 0.022 χ^2 /NDF: 930466.5/18

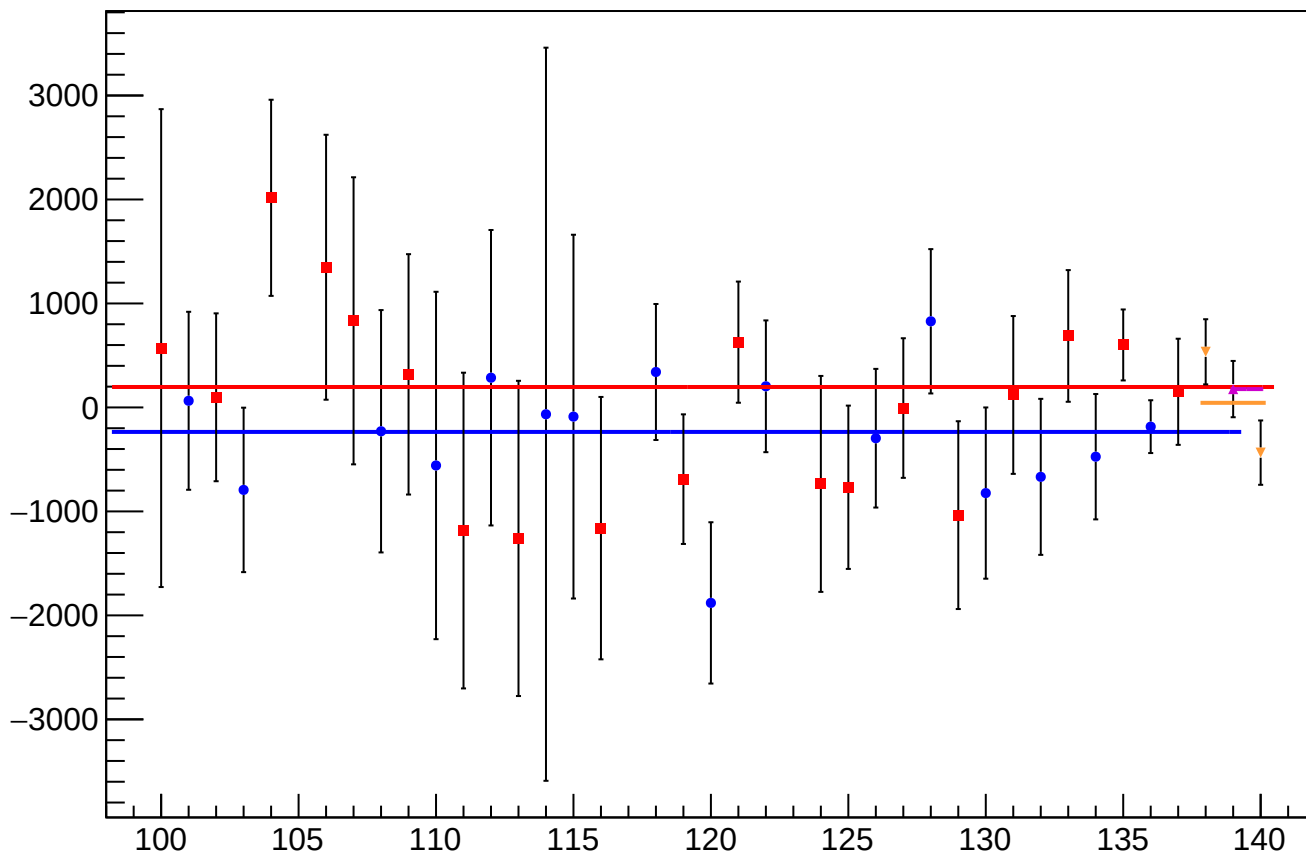
Left In: 73.970 $\pm$ 0.057 χ^2 /NDF:0.0/0

+ sign 78.717 $\pm$ 0.019 χ^2 /NDF: 869397.5/17

All: 79.755 $\pm$ 0.014 χ^2 /NDF: 1823386.8/37

- sign 80.938 $\pm$ 0.020 χ^2 /NDF: 947724.5/19

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF : 9.9/15

Left Out: 44.217+/-220.132 χ^2/NDF : 4.9/1

Right Out: 196.579+/-170.492 χ^2/NDF : 16.6/18

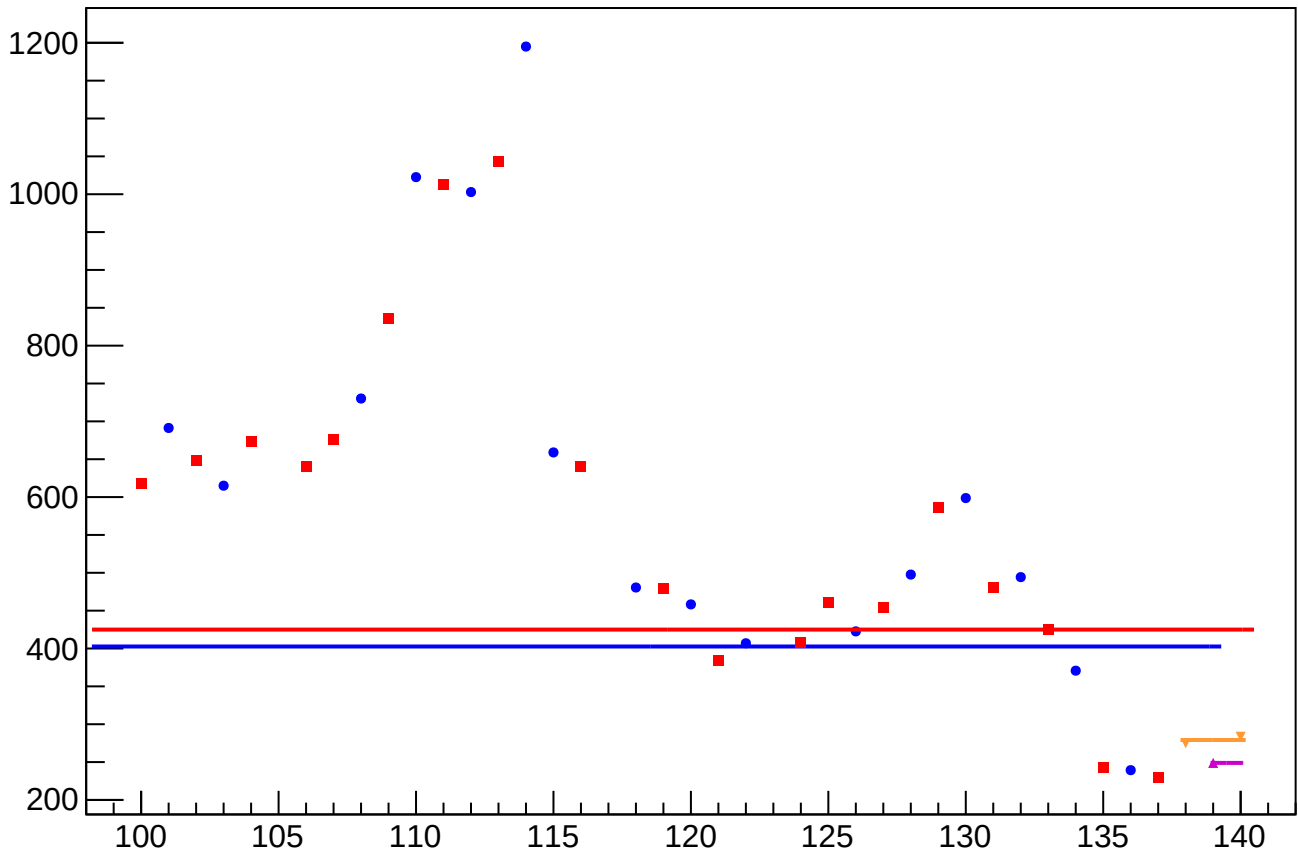
Left In: 176.424+/-270.772 χ^2/NDF : 0.0/0

+ sign -135.857+/-131.393 χ^2/NDF : 15.8/17

All: 12.266+/-97.144 χ^2/NDF : 35.2/37

- sign 190.857+/-144.275 χ^2/NDF : 16.6/19

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF : 2360087.3/15

Left Out: 279.154+/-0.156 χ^2/NDF : 771.0/1

Right Out: 424.988+/-0.121 χ^2/NDF : 2341027.2/18

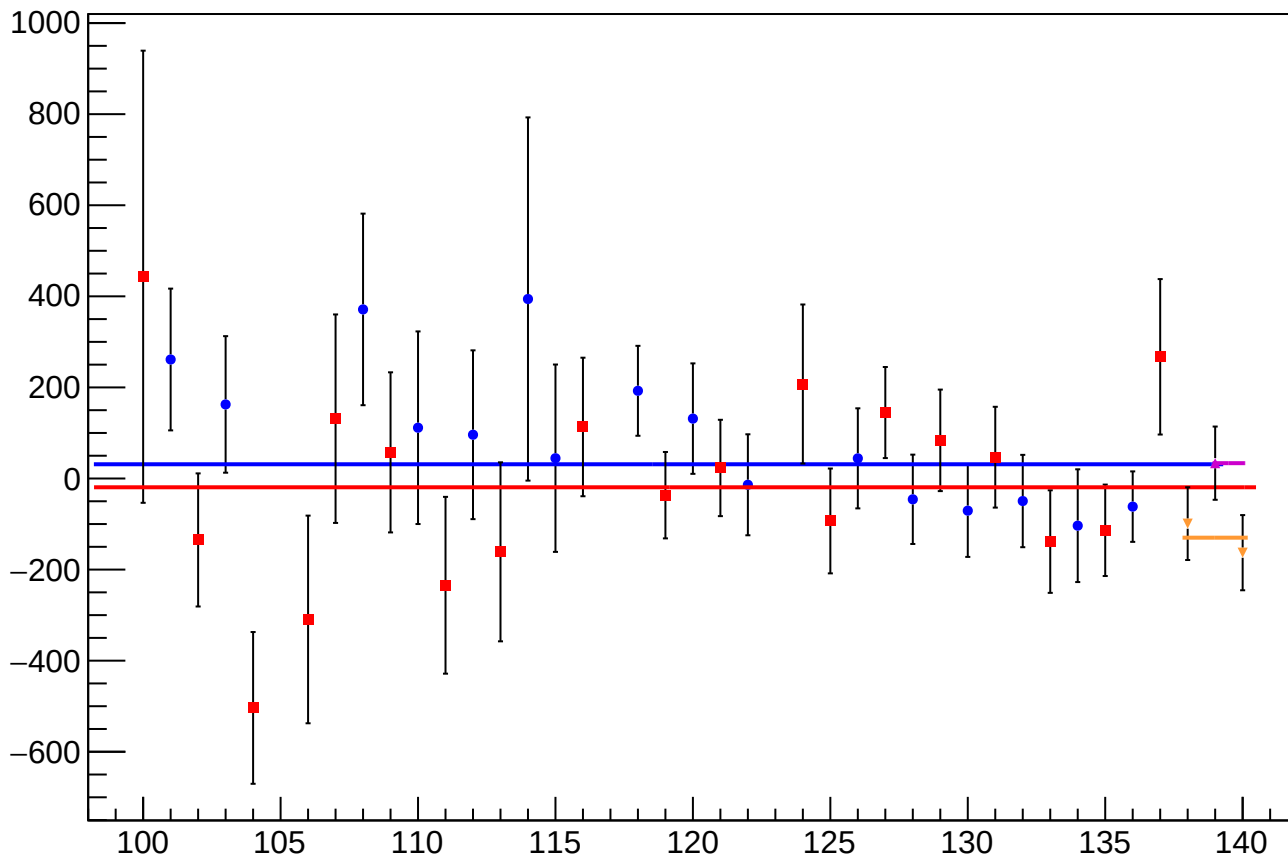
Left In: 248.910+/-0.191 χ^2/NDF : 0.0/0

+ sign 358.657+/-0.093 χ^2/NDF : 2766115.3/17

All: 366.066+/-0.069 χ^2/NDF : 5726791.4/37

- sign 374.999+/-0.102 χ^2/NDF : 2946650.4/19

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260 $\pm$ 30.786 χ^2 /NDF: 15.1/15

Left Out: -129.946 $\pm$ 57.402 χ^2 /NDF: 0.3/1

Right Out: -19.282 $\pm$ 31.060 χ^2 /NDF: 25.7/18

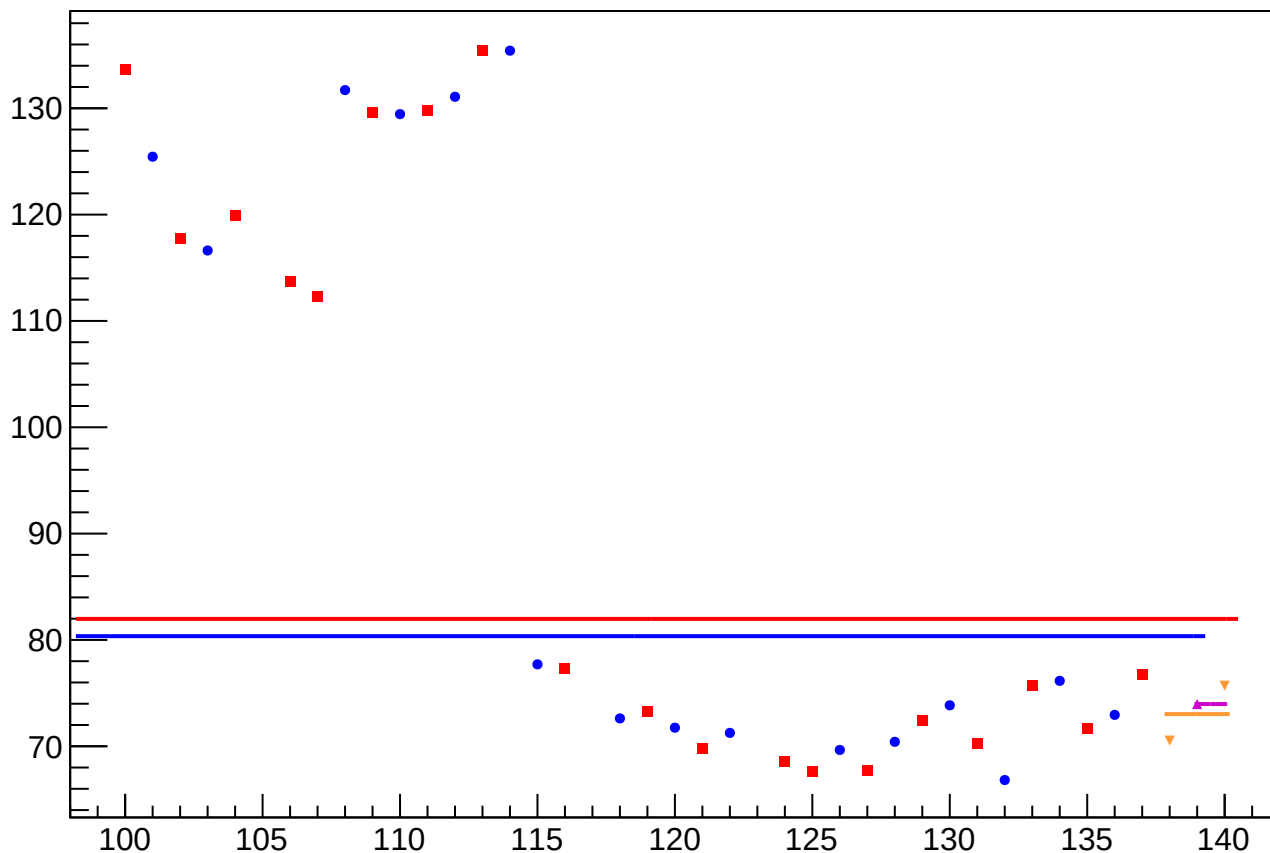
Left In: 33.659 $\pm$ 80.412 χ^2 /NDF: 0.0/0

+ sign -4.752 $\pm$ 27.131 χ^2 /NDF: 21.5/17

All: -8.329 $\pm$ 19.804 χ^2 /NDF: 47.6/37

- sign -12.409 $\pm$ 28.973 χ^2 /NDF: 26.1/19

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.7/15

Left Out: 73.025 $\pm$ 0.041 χ^2 /NDF:4039.9/1

Right Out: 81.978 $\pm$ 0.022 χ^2 /NDF: 930466.5/18

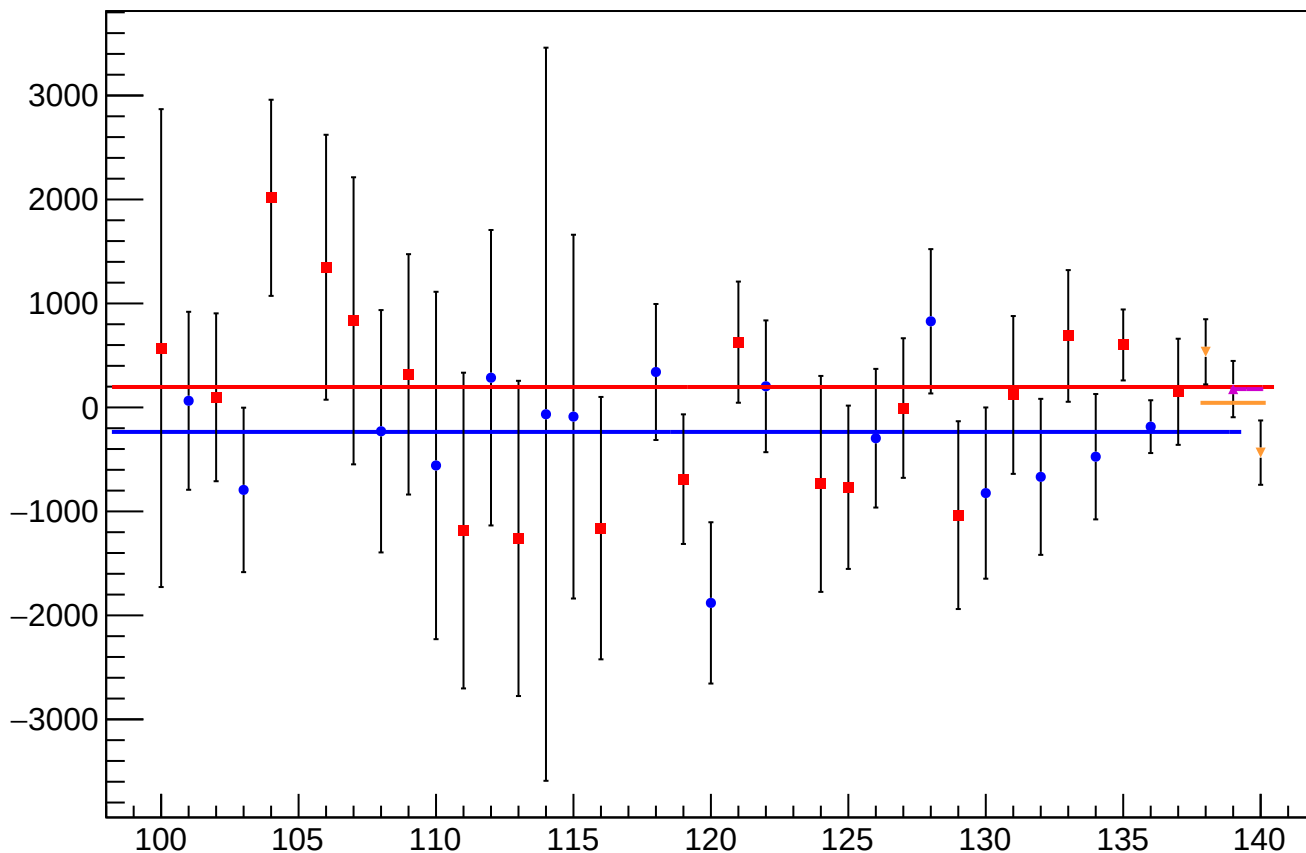
Left In: 73.970 $\pm$ 0.057 χ^2 /NDF:0.0/0

+ sign 78.717 $\pm$ 0.019 χ^2 /NDF: 869397.5/17

All: 79.755 $\pm$ 0.014 χ^2 /NDF: 1823386.8/37

- sign 80.938 $\pm$ 0.020 χ^2 /NDF: 947724.5/19

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF : 9.9/15

Left Out: 44.217+/-220.132 χ^2/NDF : 4.9/1

Right Out: 196.579+/-170.492 χ^2/NDF : 16.6/18

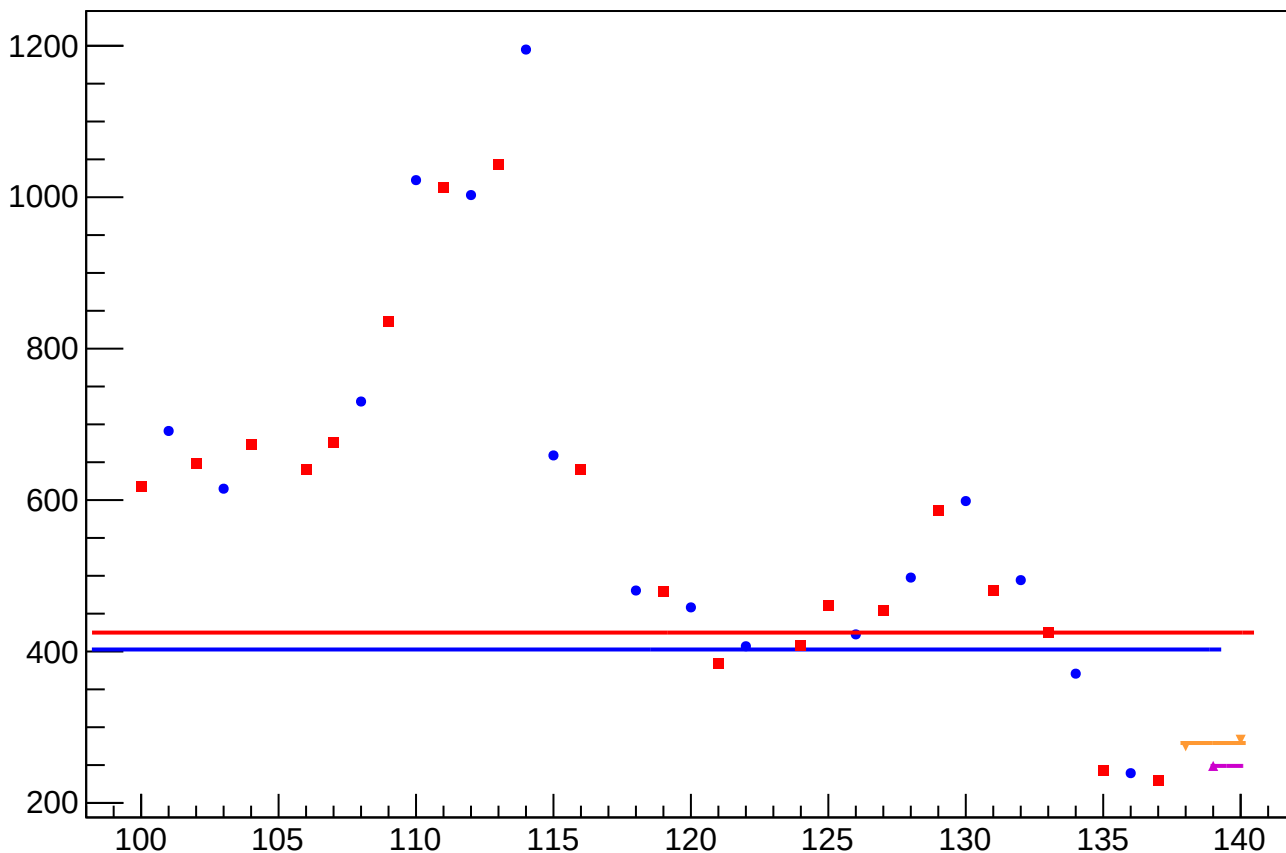
Left In: 176.424+/-270.772 χ^2/NDF : 0.0/0

+ sign -135.857+/-131.393 χ^2/NDF : 15.8/17

All: 12.266+/-97.144 χ^2/NDF : 35.2/37

- sign 190.857+/-144.275 χ^2/NDF : 16.6/19

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF : 2360087.3/15

Left Out: 279.154+/-0.156 χ^2/NDF : 771.0/1

Right Out: 424.988+/-0.121 χ^2/NDF : 2341027.2/18

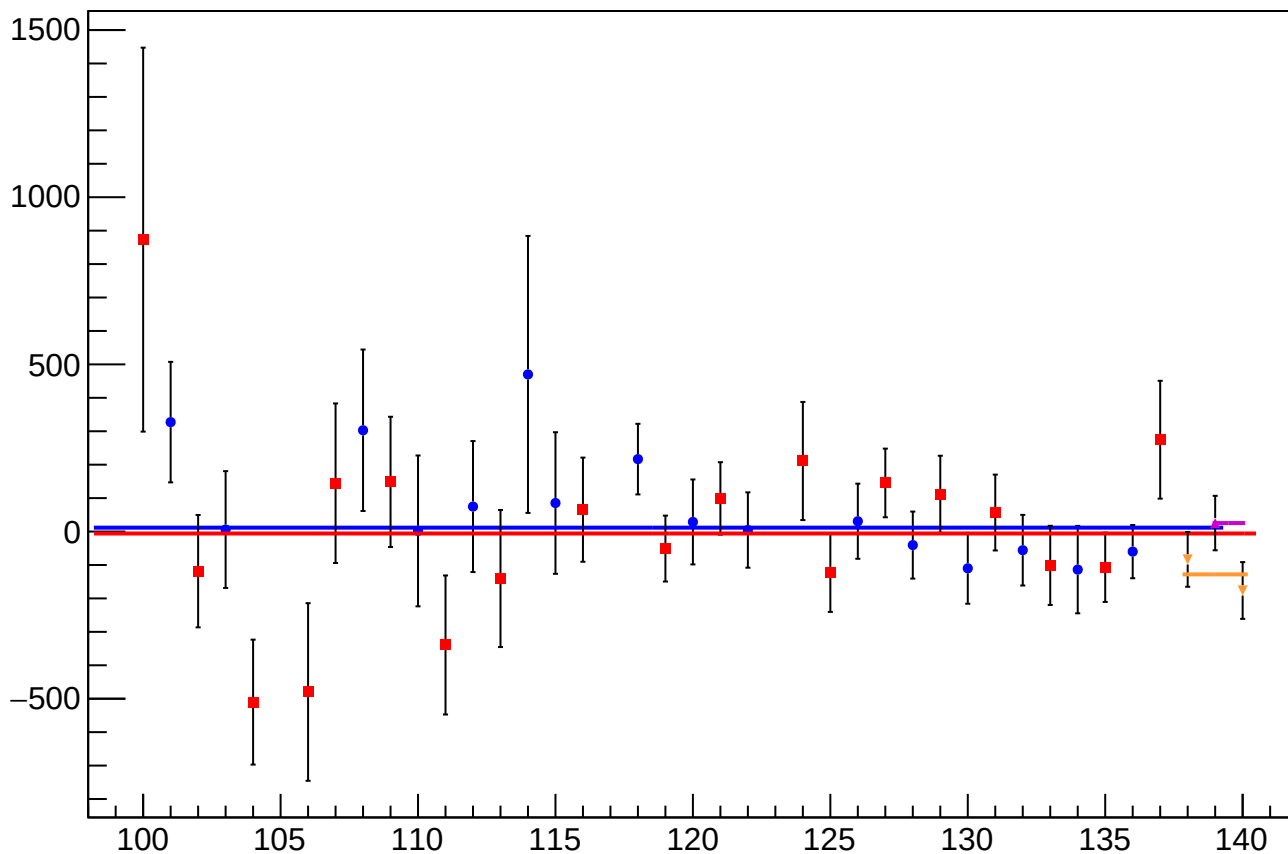
Left In: 248.910+/-0.191 χ^2/NDF : 0.0/0

+ sign 358.657+/-0.093 χ^2/NDF : 2766115.3/17

All: 366.066+/-0.069 χ^2/NDF : 5726791.4/37

- sign 374.999+/-0.102 χ^2/NDF : 2946650.4/19

dit_asym_sam1_mean vs Slug



Right In: 11.651 $\pm$ 32.297 χ^2 /NDF: 13.5/15

Left Out: -128.099 $\pm$ 58.927 χ^2 /NDF: 0.6/1

Right Out: -5.817 $\pm$ 32.444 χ^2 /NDF: 28.8/18

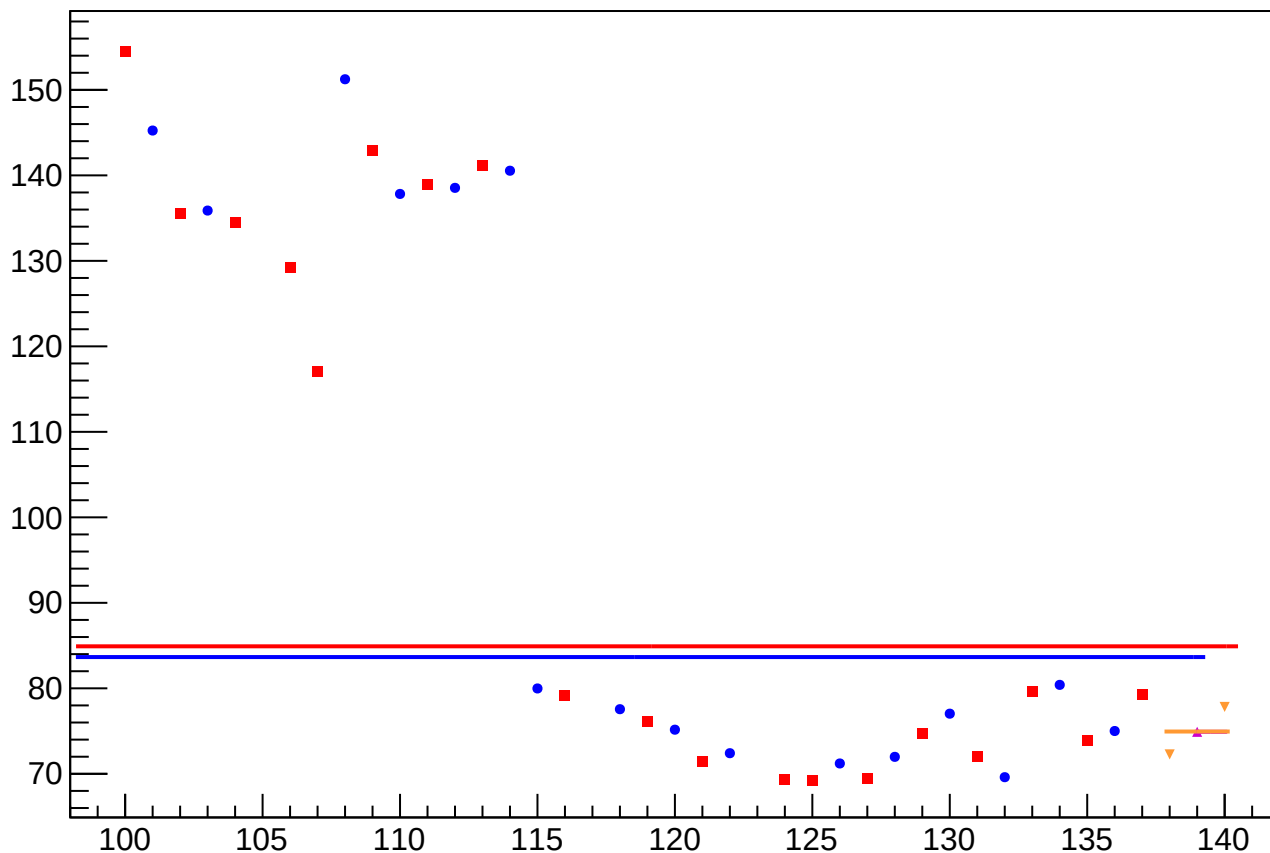
Left In: 25.398 $\pm$ 81.440 χ^2 /NDF: 0.0/0

+ sign -20.632 $\pm$ 28.322 χ^2 /NDF: 18.5/17

All: -11.680 $\pm$ 20.640 χ^2 /NDF: 47.6/37

- sign -1.542 $\pm$ 30.140 χ^2 /NDF: 28.9/19

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF : 1034794.6/15

Left Out: 74.947+/-0.042 χ^2/NDF : 4431.6/1

Right Out: 84.913+/-0.023 χ^2/NDF : 1121669.5/18

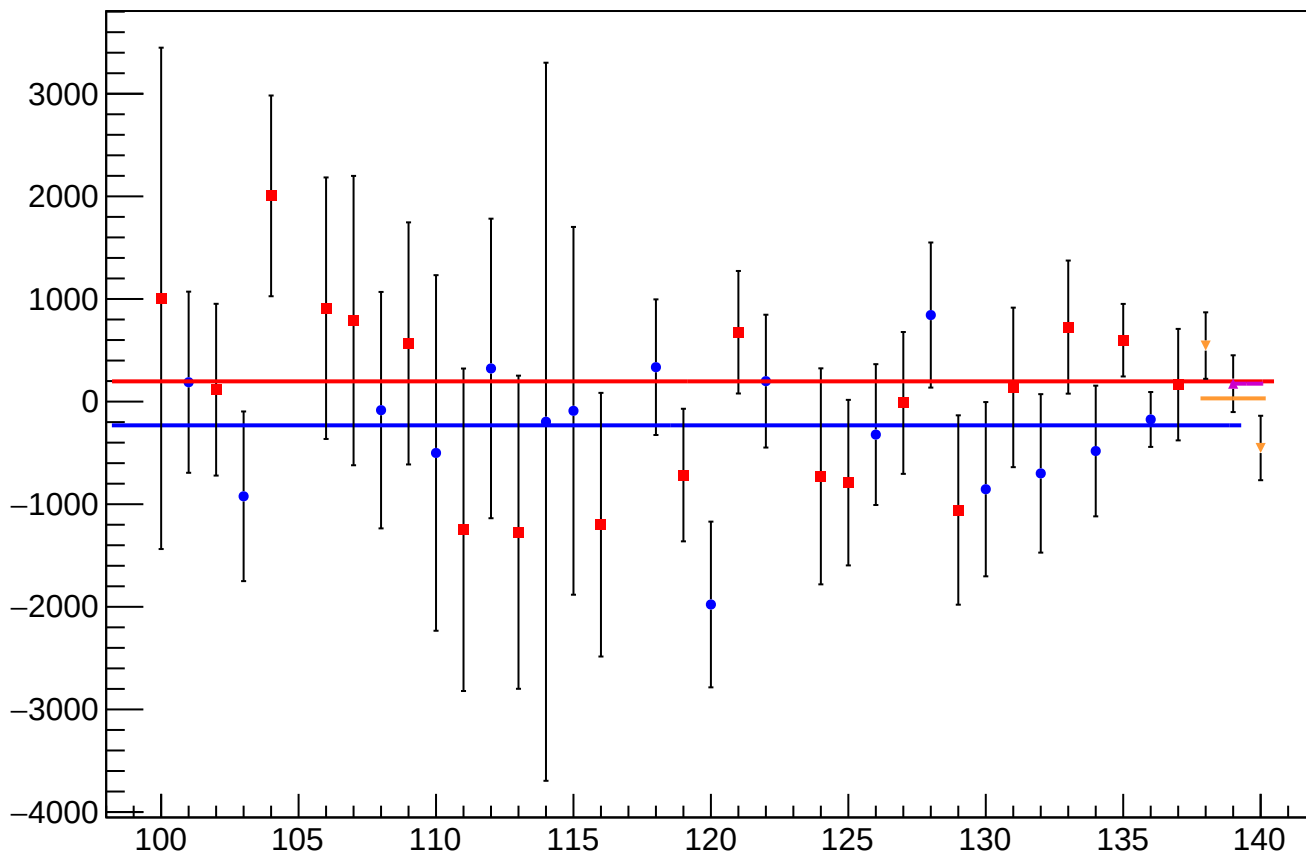
Left In: 74.914+/-0.058 χ^2/NDF : 0.0/0

+ sign 81.645+/-0.020 χ^2/NDF : 1072832.2/17

All: 82.535+/-0.015 χ^2/NDF : 2224737.4/37

- sign 83.543+/-0.021 χ^2/NDF : 1147690.8/19

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407 ± 170.133 $\chi^2/\text{NDF}: 10.4/15$

Left Out: 31.250 ± 225.484 $\chi^2/\text{NDF}: 4.9/1$

Right Out: 197.206 ± 176.091 $\chi^2/\text{NDF}: 15.9/18$

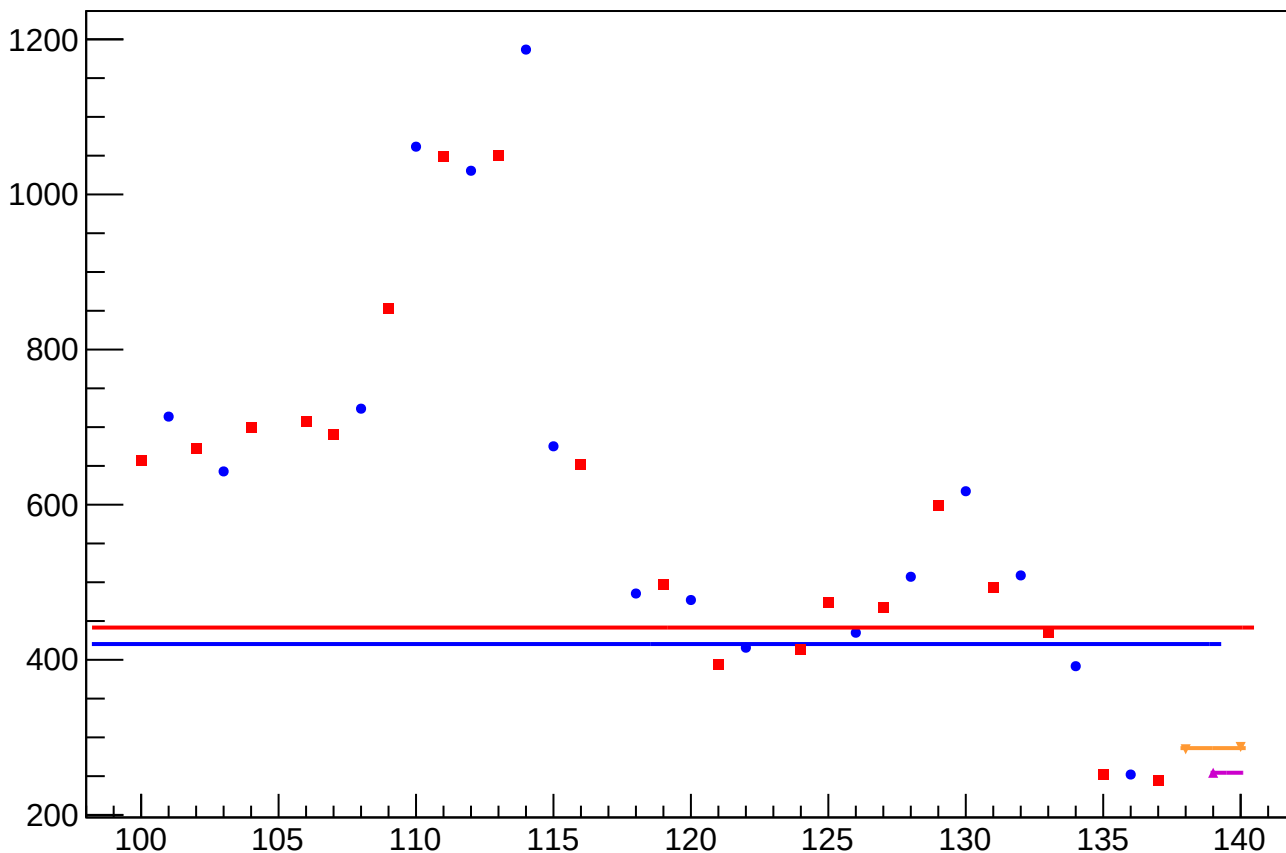
Left In: 174.662 ± 276.670 $\chi^2/\text{NDF}: 0.0/0$

+ sign -136.121 ± 135.811 $\chi^2/\text{NDF}: 16.2/17$

All: 12.675 ± 100.236 $\chi^2/\text{NDF}: 34.7/37$

- sign 190.707 ± 148.554 $\chi^2/\text{NDF}: 15.9/19$

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF : 2254610.0/15

Left Out: 286.161+/-0.159 χ^2/NDF : 88.6/1

Right Out: 441.598+/-0.125 χ^2/NDF : 2307588.5/18

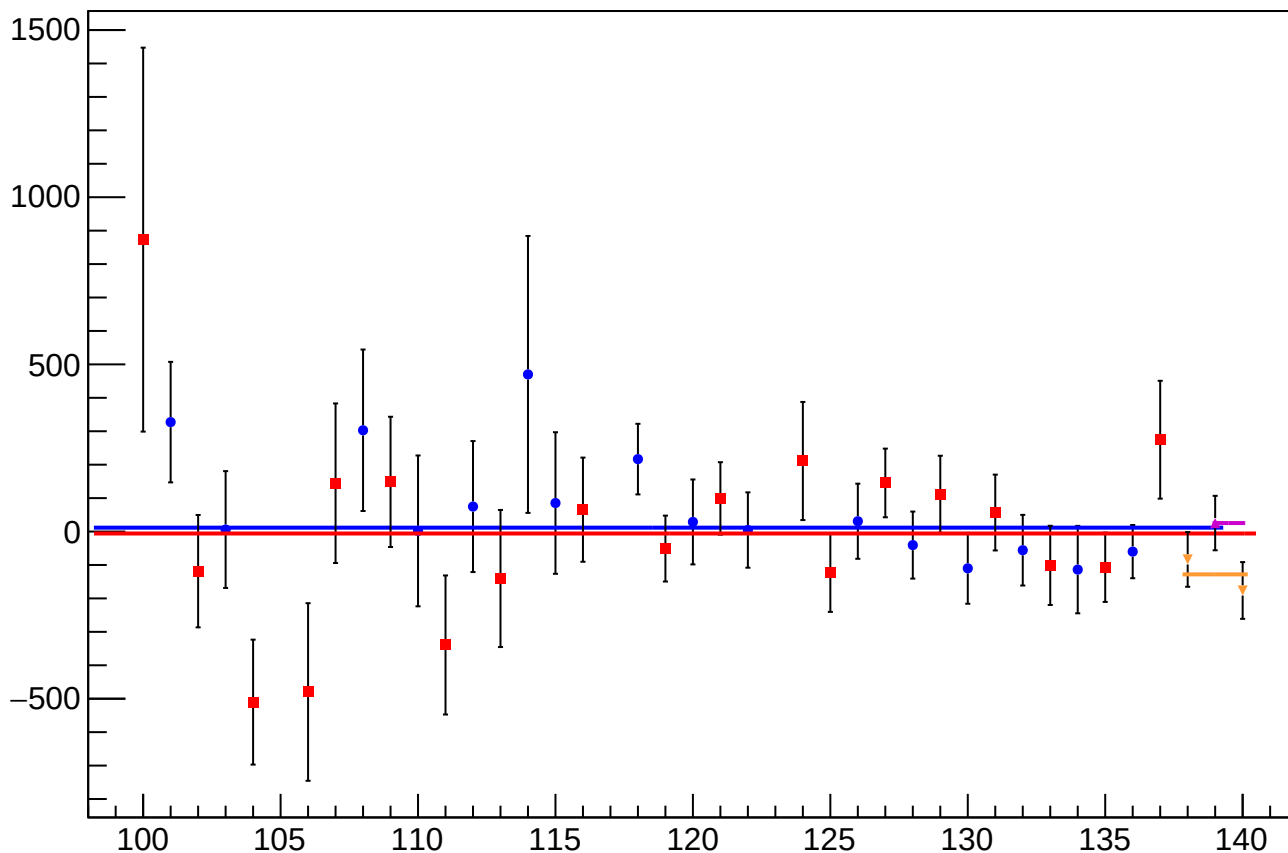
Left In: 254.396+/-0.196 χ^2/NDF : 0.0/0

+ sign 371.656+/-0.096 χ^2/NDF : 2705922.9/17

All: 378.927+/-0.071 χ^2/NDF : 5677763.1/37

- sign 387.627+/-0.105 χ^2/NDF : 2959248.2/19

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652 ± 32.297 χ^2/NDF : 13.5/15

Left Out: -128.100 ± 58.927 χ^2/NDF : 0.6/1

Right Out: -5.816 ± 32.444 χ^2/NDF : 28.8/18

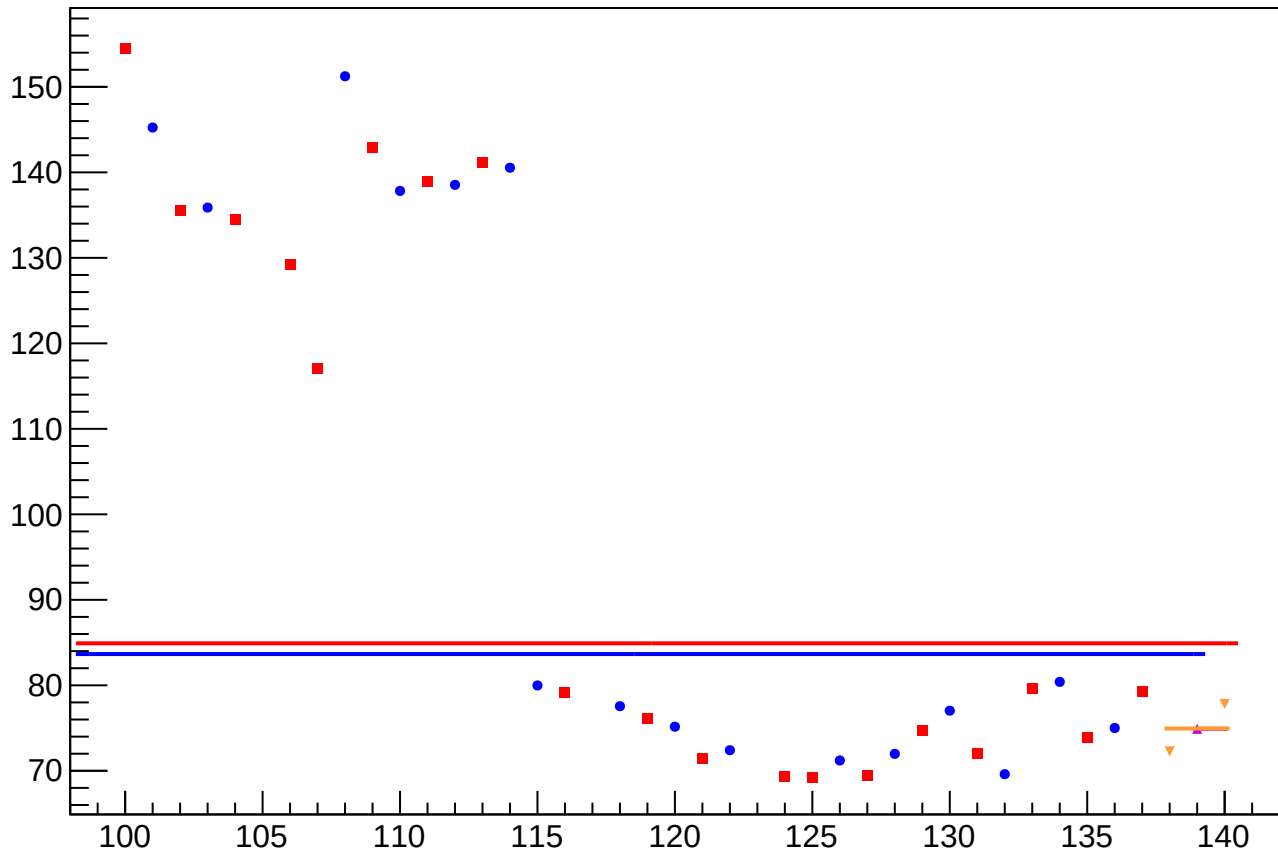
Left In: 25.397 ± 81.439 χ^2/NDF : 0.0/0

+ sign -20.632 ± 28.322 χ^2/NDF : 18.5/17

All: -11.680 ± 20.640 χ^2/NDF : 47.6/37

- sign -1.541 ± 30.140 χ^2/NDF : 28.9/19

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657 $\pm$ 0.023 χ^2 /NDF: 1034794.1/15

Left Out: 74.947 $\pm$ 0.042 χ^2 /NDF: 4431.6/1

Right Out: 84.913 $\pm$ 0.023 χ^2 /NDF: 1121668.5/18

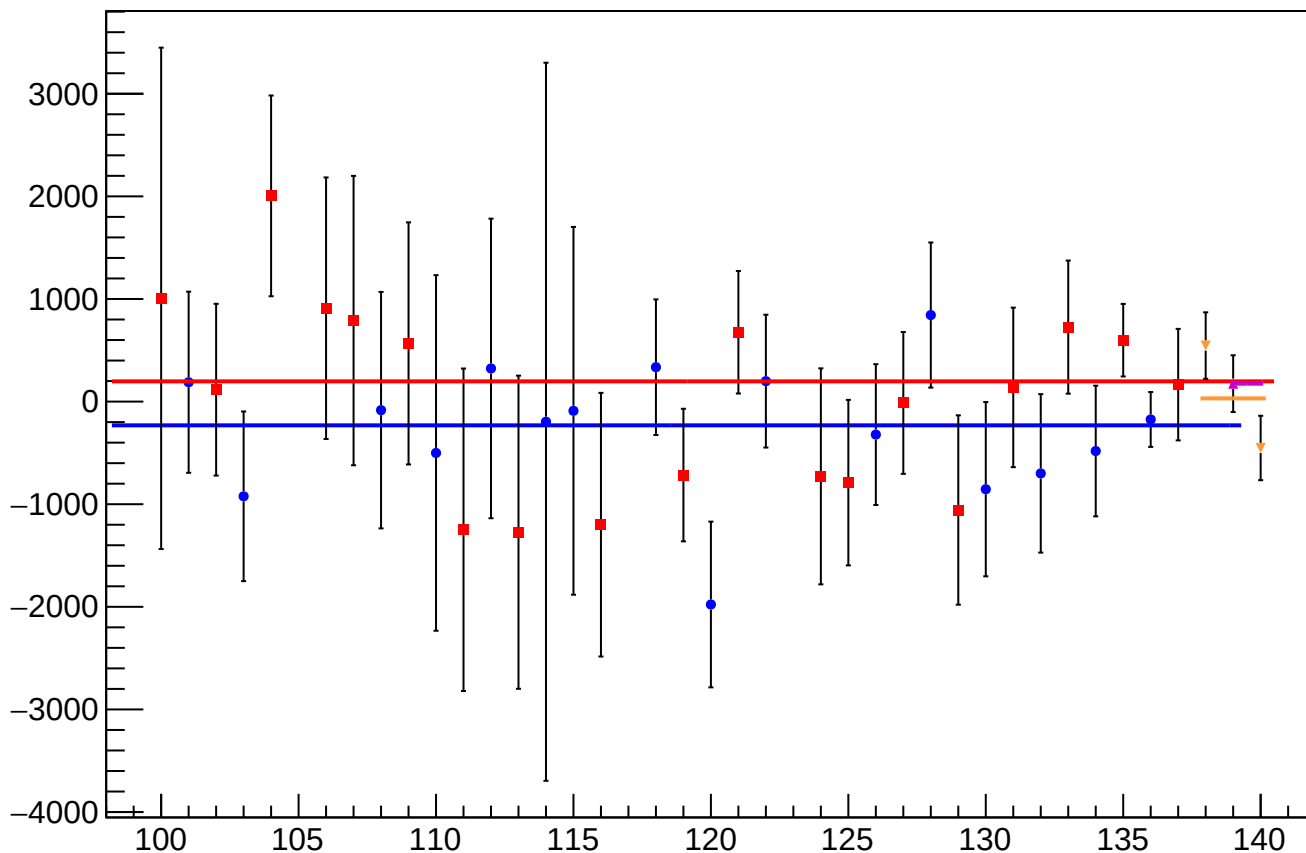
Left In: 74.914 $\pm$ 0.058 χ^2 /NDF: 0.0/0

+ sign 81.645 $\pm$ 0.020 χ^2 /NDF: 1072831.2/17

All: 82.535 $\pm$ 0.015 χ^2 /NDF: 2224735.0/37

- sign 83.543 $\pm$ 0.021 χ^2 /NDF: 1147689.5/19

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405 $\pm$ 170.132 χ^2 /NDF: 10.4/15

Left Out: 31.249 $\pm$ 225.484 χ^2 /NDF:4.9/1

Right Out: 197.207 $\pm$ 176.091 χ^2 /NDF: 15.9/18

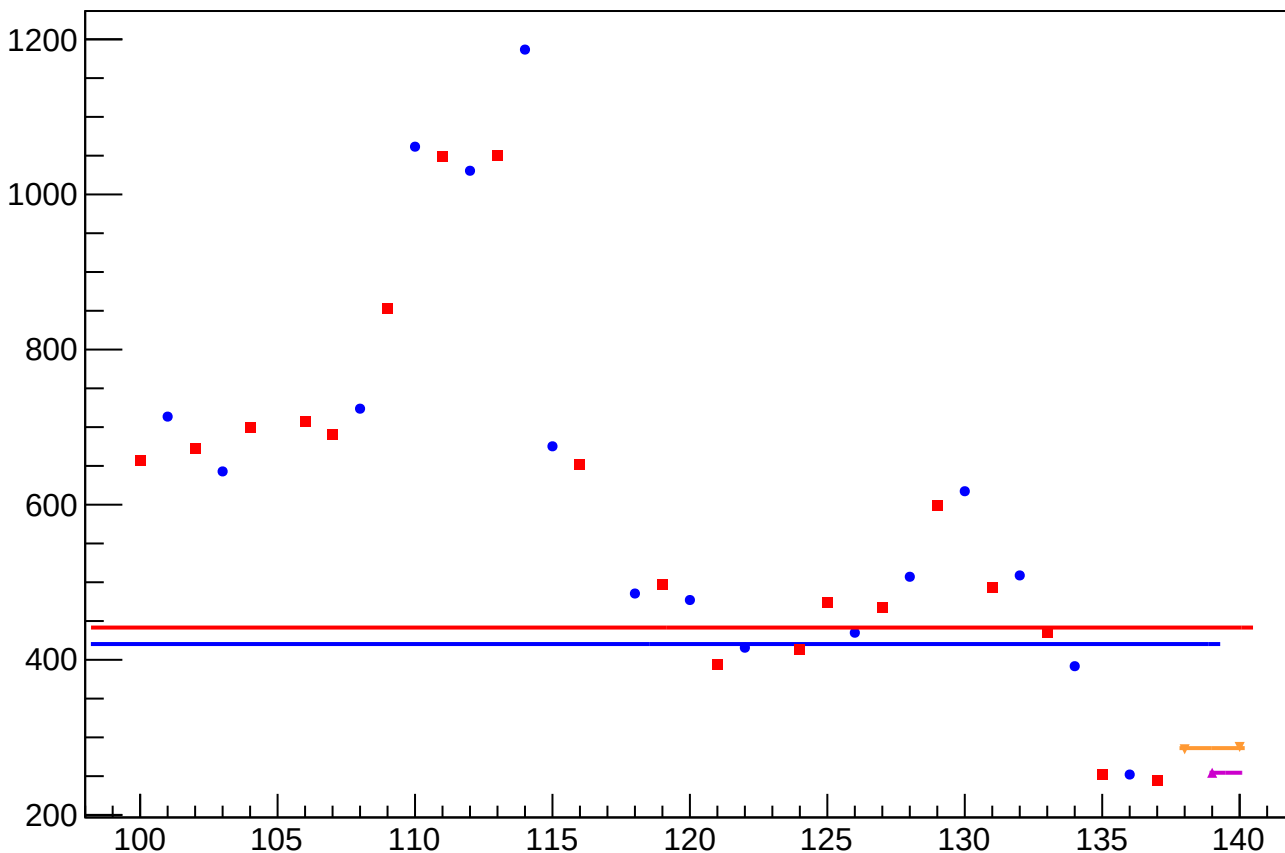
Left In: 174.662 $\pm$ 276.670 χ^2 /NDF:0.0/0

+ sign -136.121 $\pm$ 135.811 χ^2 /NDF: 16.2/17

All: 12.676 $\pm$ 100.236 χ^2 /NDF: 34.7/37

- sign 190.707 $\pm$ 148.554 χ^2 /NDF: 15.9/19

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF : 2254614.9/15

Left Out: 286.161+/-0.159 χ^2/NDF : 88.6/1

+ sign 371.656+/-0.096 χ^2/NDF : 2705925.4/17

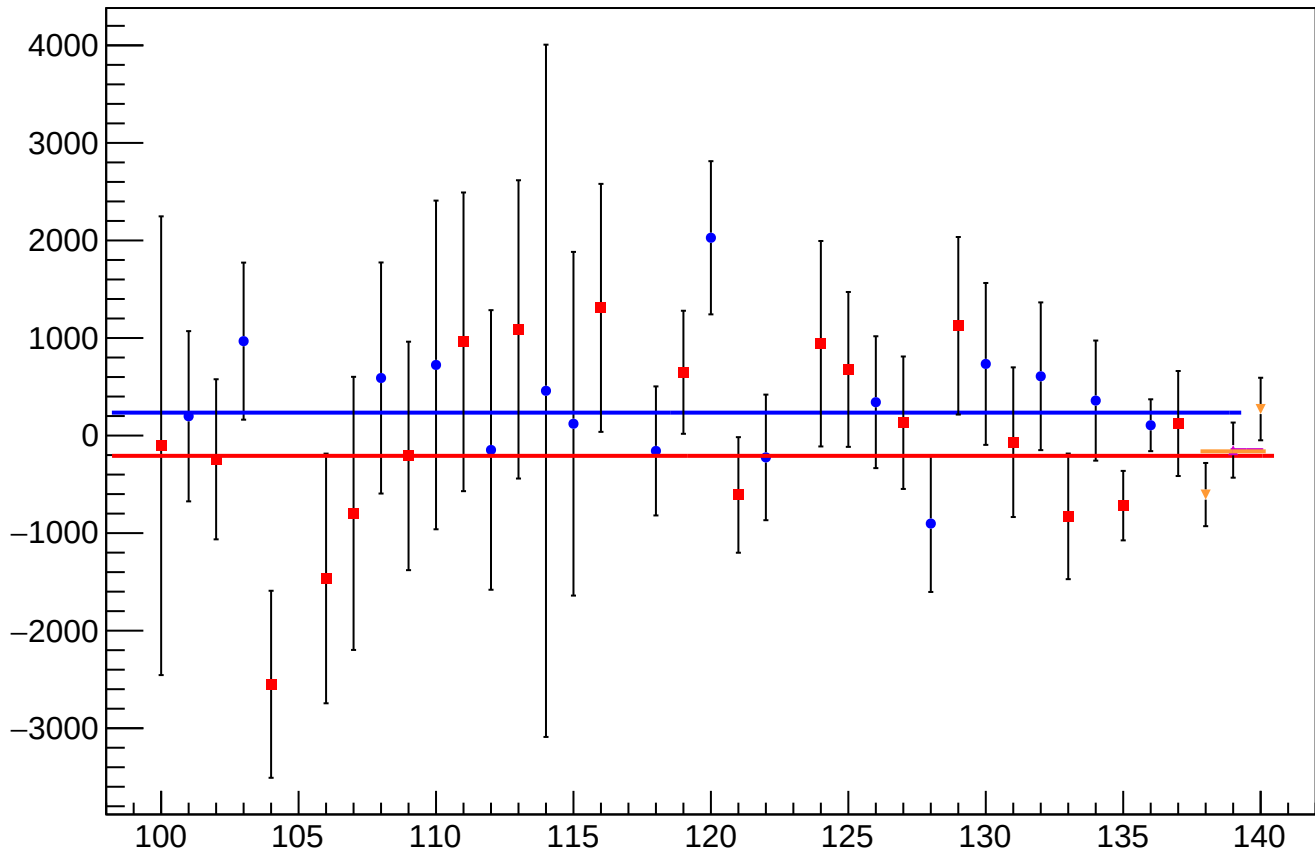
Right Out: 441.597+/-0.125 χ^2/NDF : 2307595.1/18

All: 378.927+/-0.071 χ^2/NDF : 5677769.8/37

- sign 387.626+/-0.105 χ^2/NDF : 2959252.7/19

Left In: 254.396+/-0.196 χ^2/NDF : 0.0/0

asym_sam1_mean vs Slug



Right In: 235.054 $\pm$ 168.199 χ^2 /NDF: 10.7/15

Left Out: -161.743 $\pm$ 227.865 χ^2 /NDF: 3.7/1

Right Out: -207.936 $\pm$ 174.716 χ^2 /NDF: 20.4/18

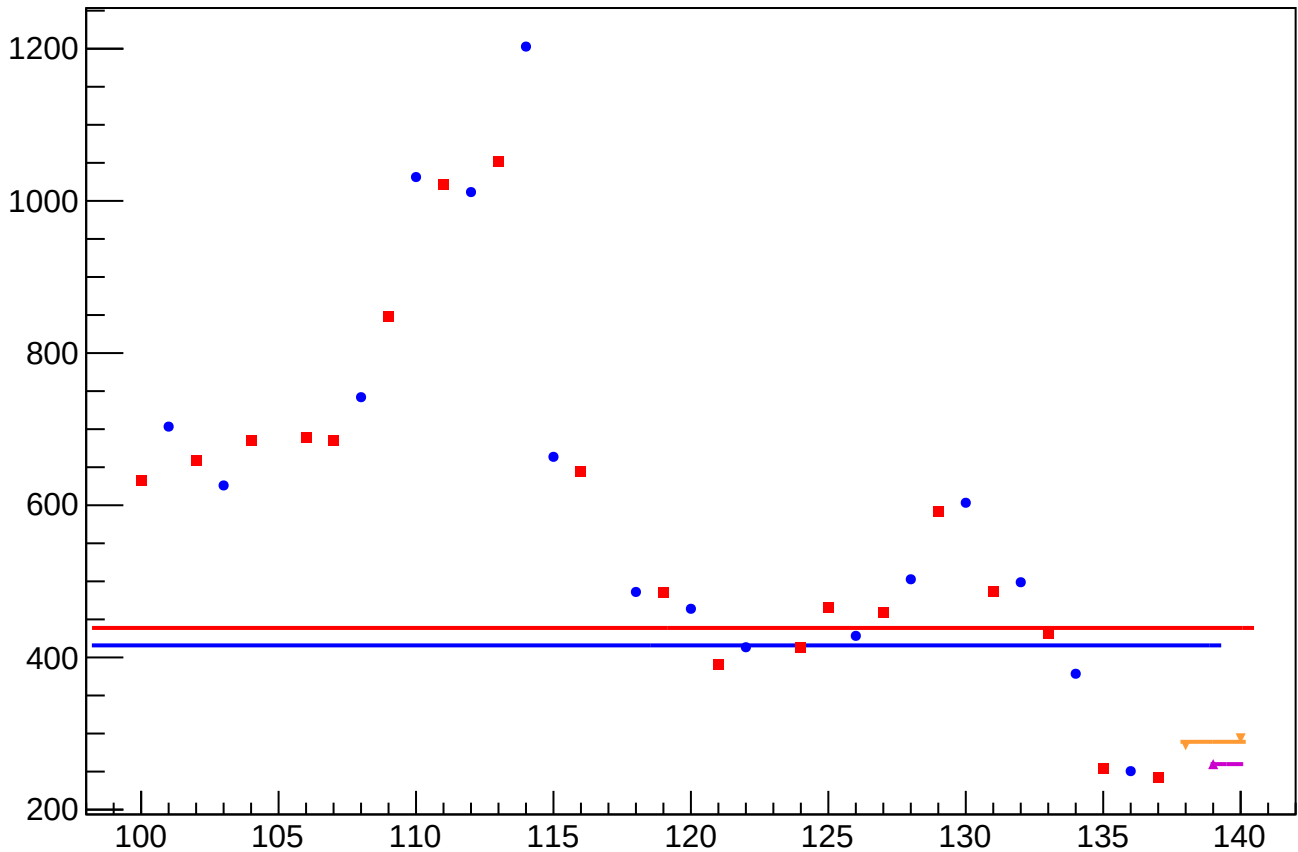
Left In: -149.309 $\pm$ 282.588 χ^2 /NDF: 0.0/0

+ sign 95.105 $\pm$ 135.325 χ^2 /NDF: 16.4/17

All: -34.921 $\pm$ 100.056 χ^2 /NDF: 38.8/37

- sign -191.723 $\pm$ 148.606 χ^2 /NDF: 20.4/19

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF : 2223949.6/15

Left Out: 289.129+/-0.161 χ^2/NDF : 819.6/1

Right Out: 438.773+/-0.124 χ^2/NDF : 2234776.6/18

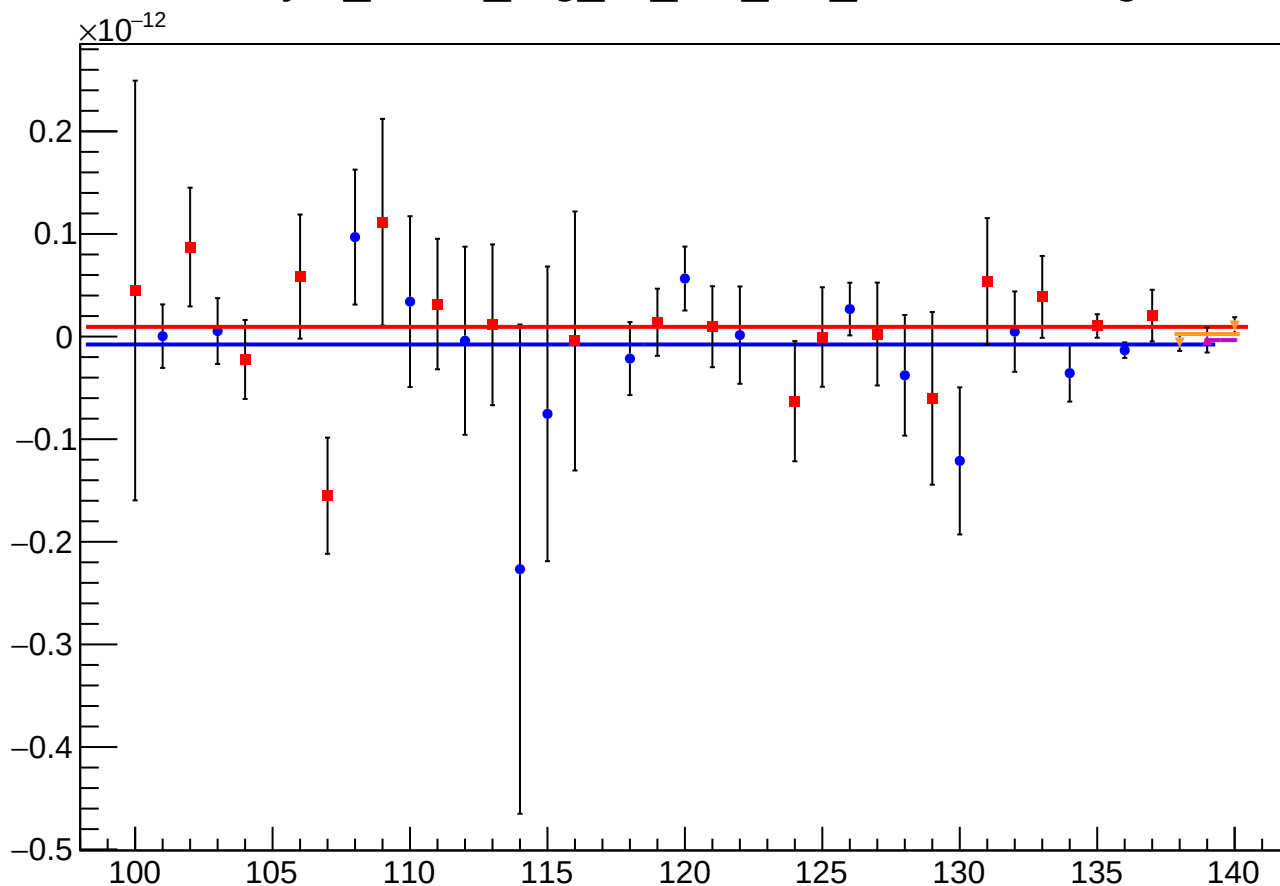
Left In: 259.816+/-0.200 χ^2/NDF : 0.0/0

+ sign 371.149+/-0.096 χ^2/NDF : 2625089.4/17

All: 379.370+/-0.071 χ^2/NDF : 5456415.1/37

- sign 389.283+/-0.105 χ^2/NDF : 2815045.2/19

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.3/18

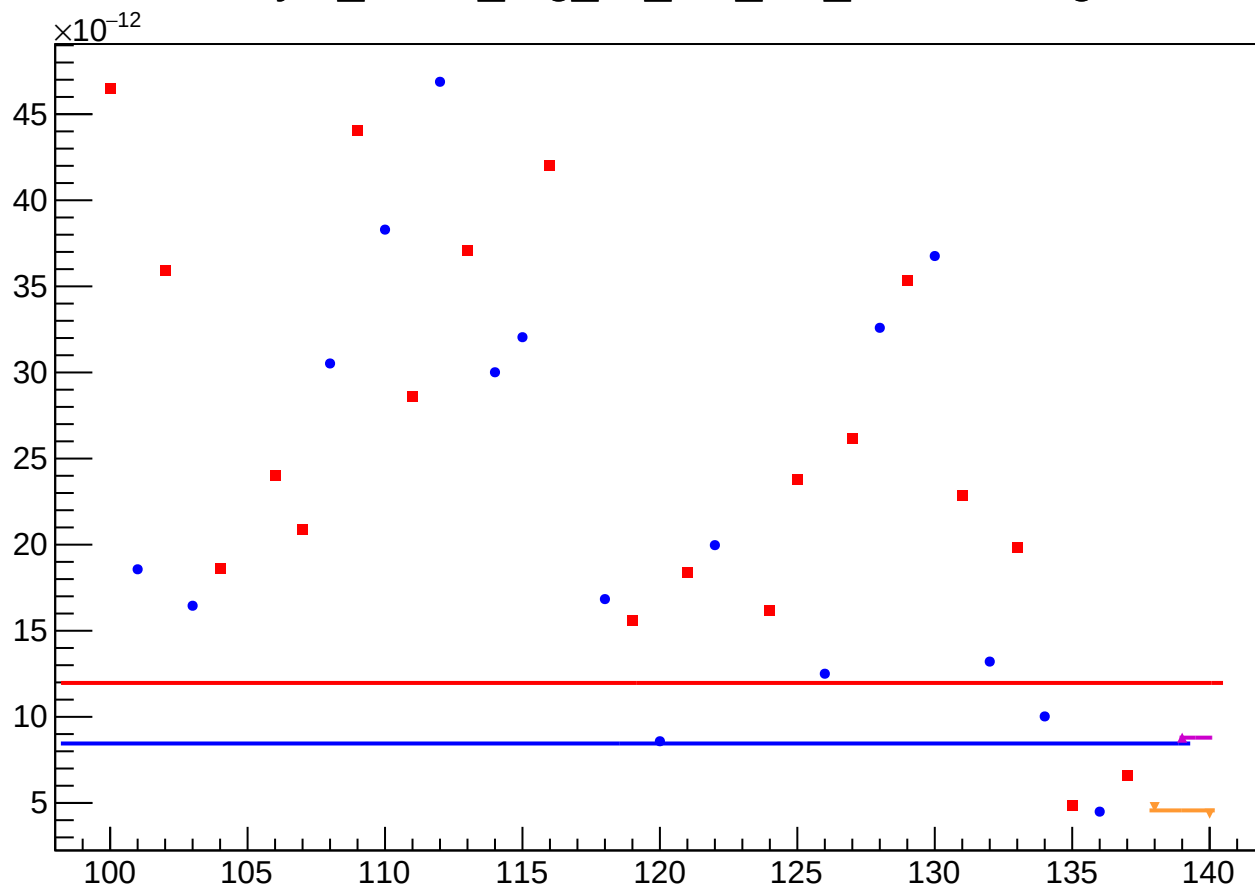
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 18.2/17

All: -0.000 ± 0.000 χ^2/NDF : 36.2/37

- sign 0.000 ± 0.000 χ^2/NDF : 17.1/19

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 : 2165.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2760154.9/18

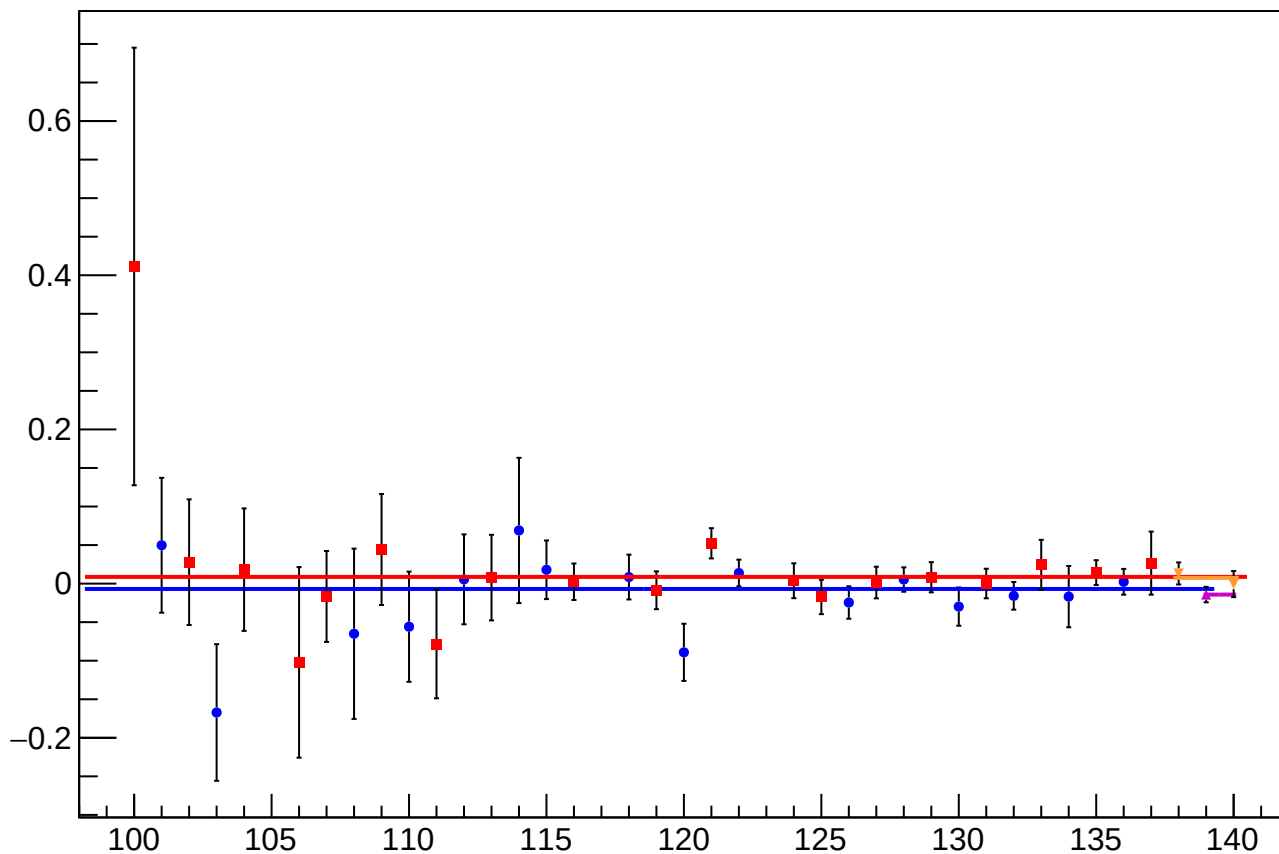
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3178277.5/17

All: 0.000+/-0.000 χ^2/NDF : 6691344.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2854891.5/19

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 $\pm$ 0.007 χ^2/NDF : 14.9/15

Left Out: 0.007 $\pm$ 0.011 χ^2/NDF : 0.4/1

Right Out: 0.009 $\pm$ 0.006 χ^2/NDF : 12.6/18

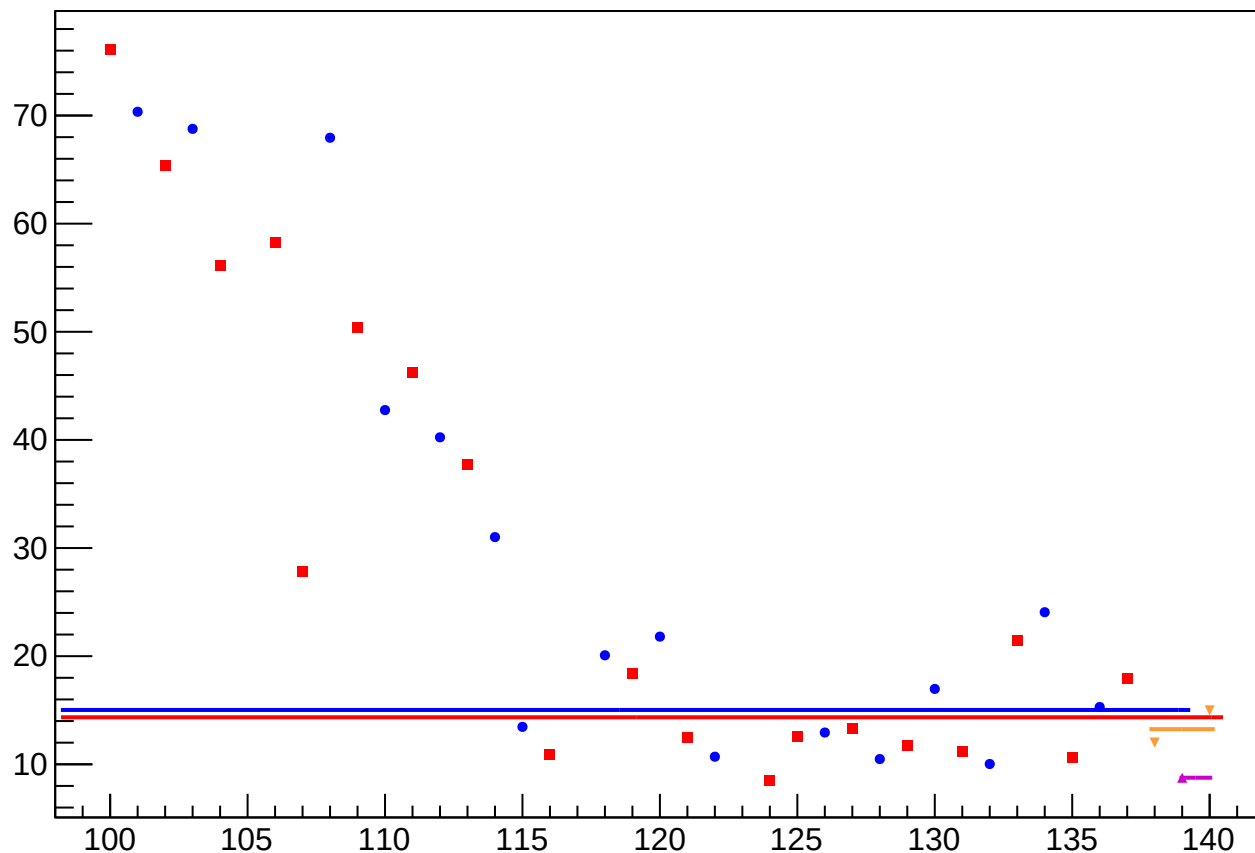
Left In: -0.014 $\pm$ 0.010 χ^2/NDF : 0.0/0

+ sign -0.003 $\pm$ 0.006 χ^2/NDF : 16.6/17

All: -0.000 $\pm$ 0.004 χ^2/NDF : 33.4/37

- sign 0.002 $\pm$ 0.005 χ^2/NDF : 16.4/19

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026 $\pm$ 0.005 χ^2 /NDF: 3438260.9/15

Left Out: 13.251 $\pm$ 0.008 χ^2 /NDF:35964.2/1

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629014.9/18

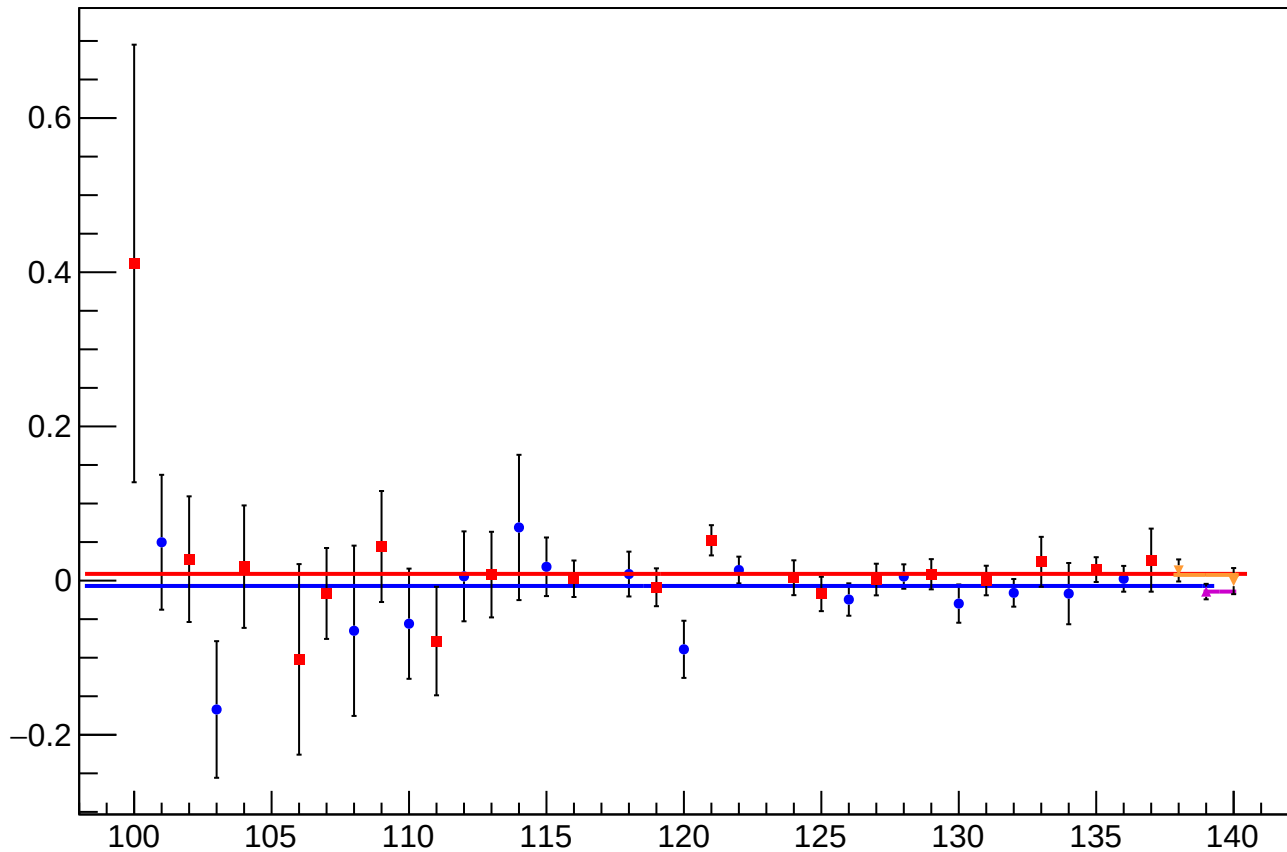
Left In: 8.758 $\pm$ 0.007 χ^2 /NDF:0.0/0

+ sign 14.538 $\pm$ 0.004 χ^2 /NDF: 3512434.0/17

All: 13.582 $\pm$ 0.003 χ^2 /NDF: 7687504.0/37

- sign 12.738 $\pm$ 0.004 χ^2 /NDF: 4070444.6/19

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 ± 0.011 χ^2/NDF : 0.4/1

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

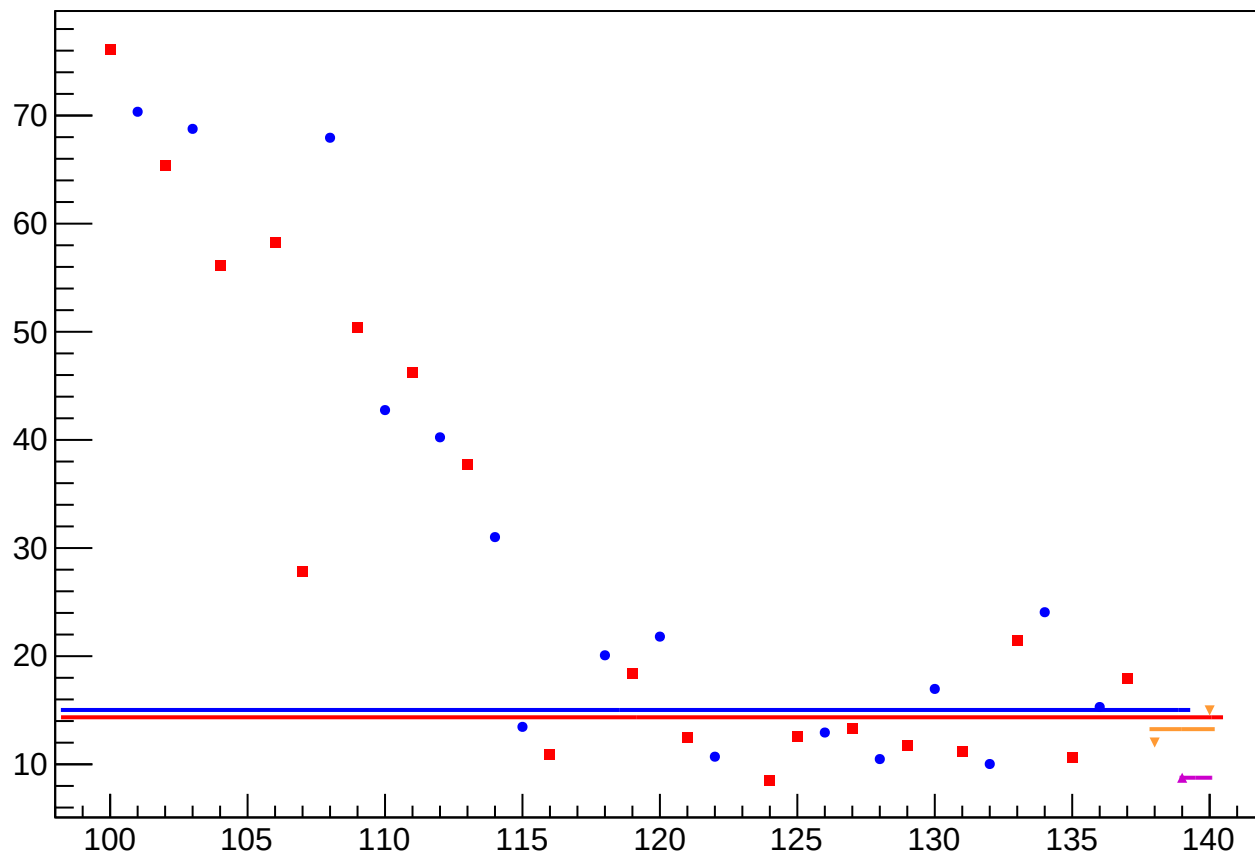
Left In: -0.014 ± 0.010 χ^2/NDF : 0.0/0

+ sign -0.003 ± 0.006 χ^2/NDF : 16.6/17

All: -0.000 ± 0.004 χ^2/NDF : 33.4/37

- sign 0.002 ± 0.005 χ^2/NDF : 16.4/19

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026 $\pm$ 0.005 χ^2 /NDF: 3438260.9/15

Left Out: 13.251 $\pm$ 0.008 χ^2 /NDF:35964.2/1

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629014.9/18

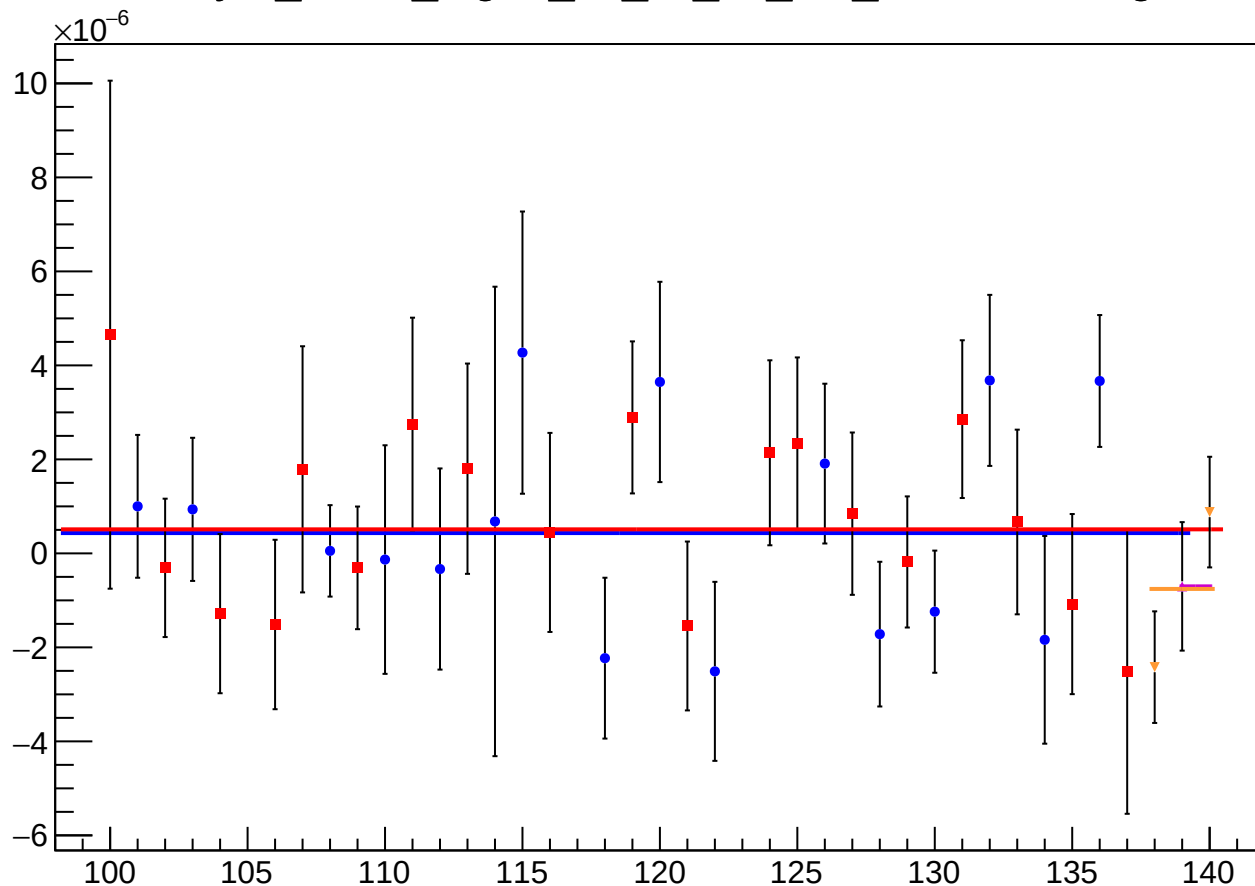
Left In: 8.758 $\pm$ 0.007 χ^2 /NDF:0.0/0

+ sign 14.538 $\pm$ 0.004 χ^2 /NDF: 3512434.0/17

All: 13.582 $\pm$ 0.003 χ^2 /NDF: 7687504.0/37

- sign 12.738 $\pm$ 0.004 χ^2 /NDF: 4070444.6/19

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

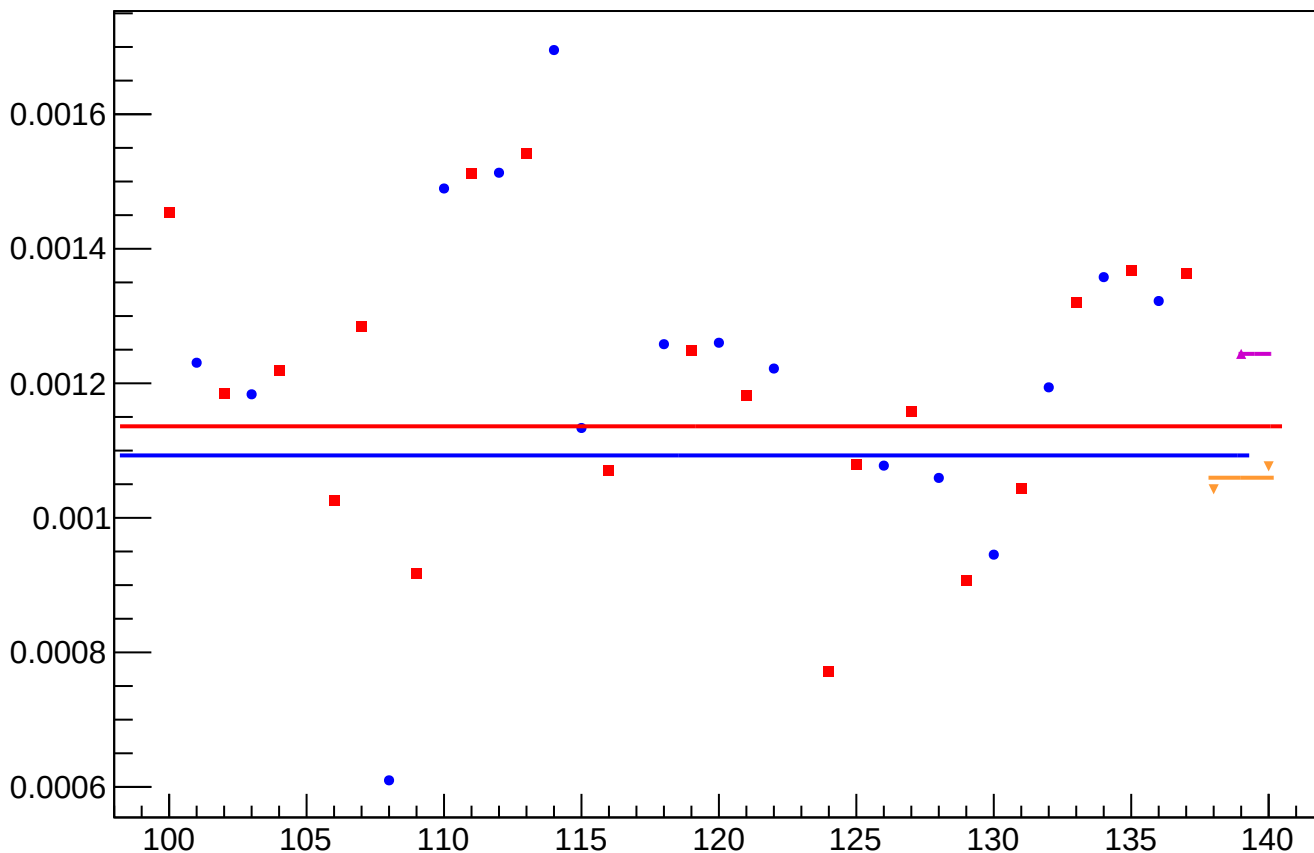
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/19

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF :834.0/1

Right Out: 0.001+/-0.000 χ^2/NDF : 407257.8/18

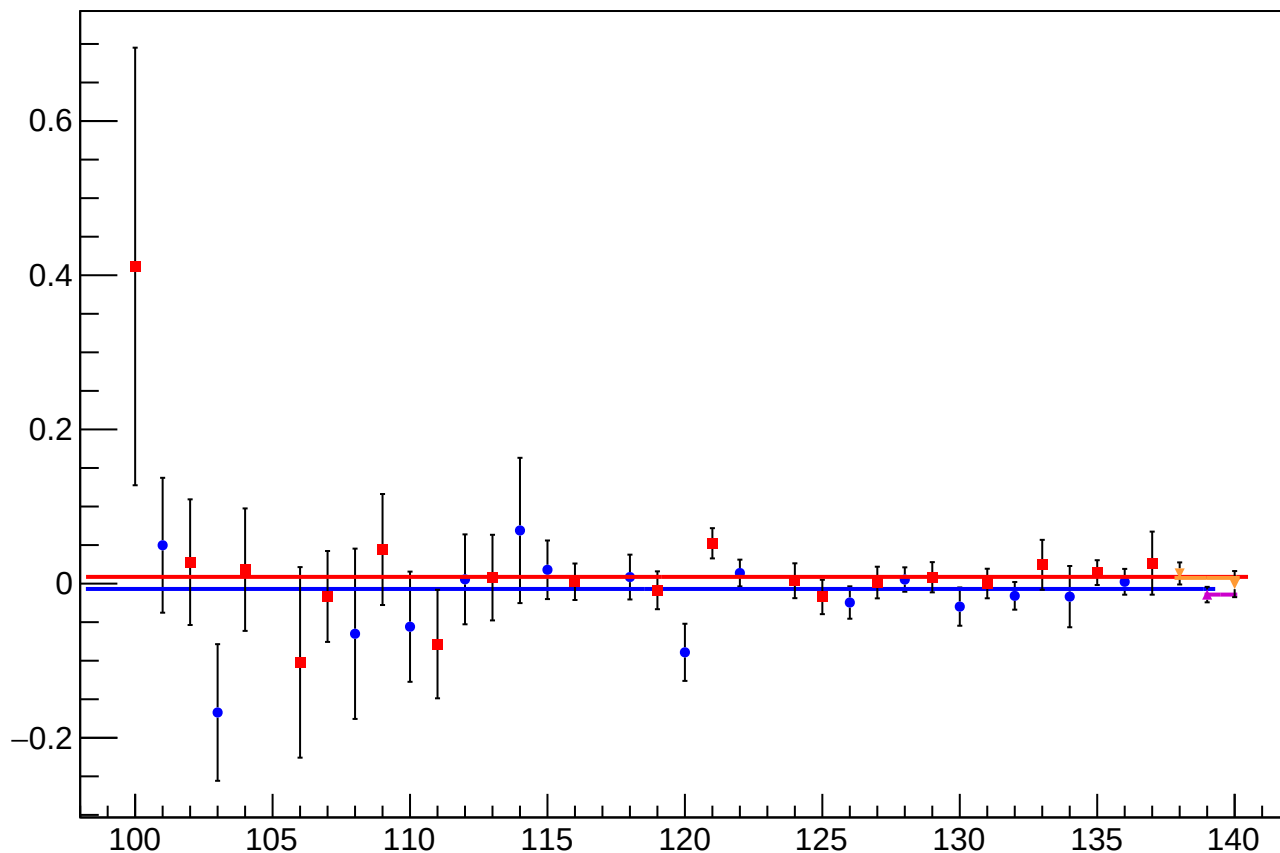
Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 835185.1/17

All: 0.001+/-0.000 χ^2/NDF : 1276960.1/37

- sign 0.001+/-0.000 χ^2/NDF : 418585.5/19

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 $\pm$ 0.007 χ^2/NDF : 14.9/15

Left Out: 0.007 $\pm$ 0.011 χ^2/NDF : 0.4/1

Right Out: 0.009 $\pm$ 0.006 χ^2/NDF : 12.6/18

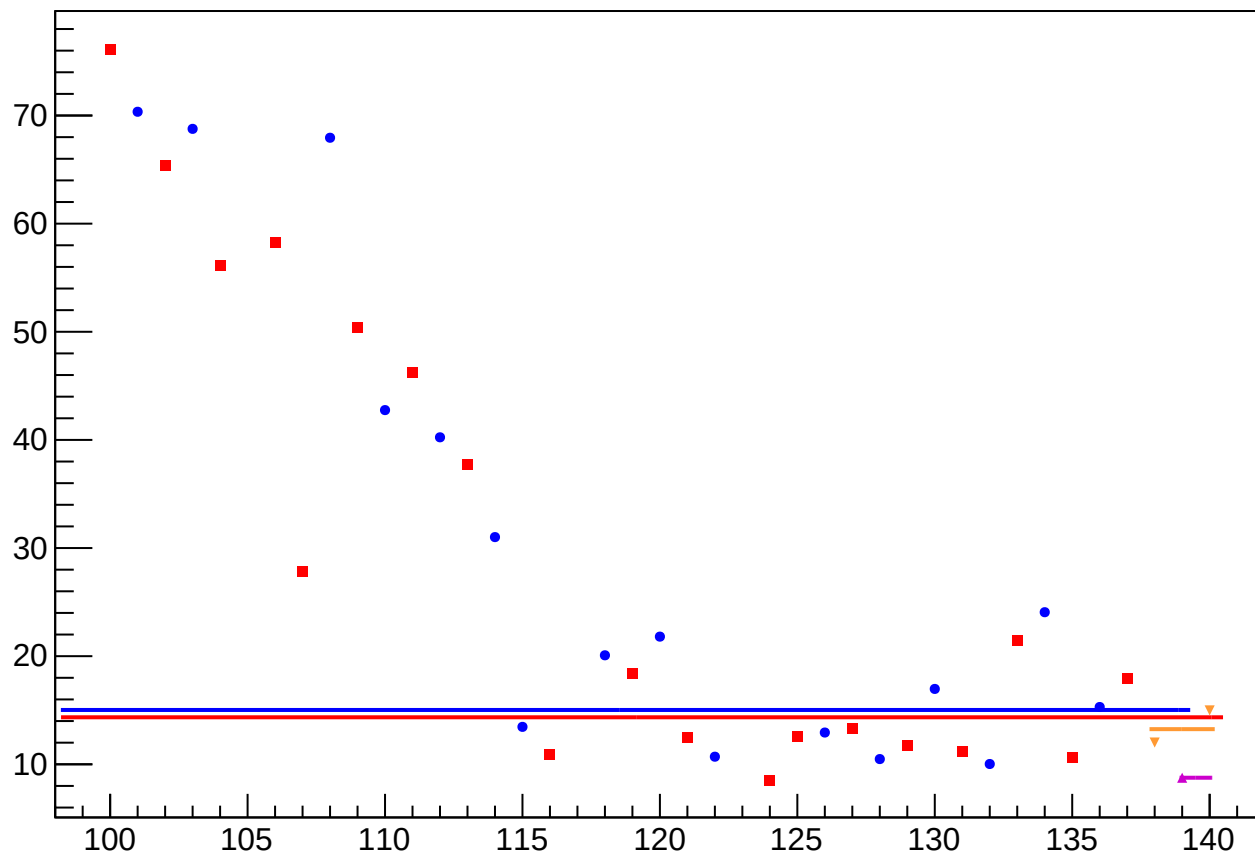
Left In: -0.014 $\pm$ 0.010 χ^2/NDF : 0.0/0

+ sign -0.003 $\pm$ 0.006 χ^2/NDF : 16.6/17

All: -0.000 $\pm$ 0.004 χ^2/NDF : 33.4/37

- sign 0.002 $\pm$ 0.005 χ^2/NDF : 16.4/19

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025 $\pm$ 0.005 χ^2 /NDF: 3438279.3/15

Left Out: 13.251 $\pm$ 0.008 χ^2 /NDF:35967.4/1

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

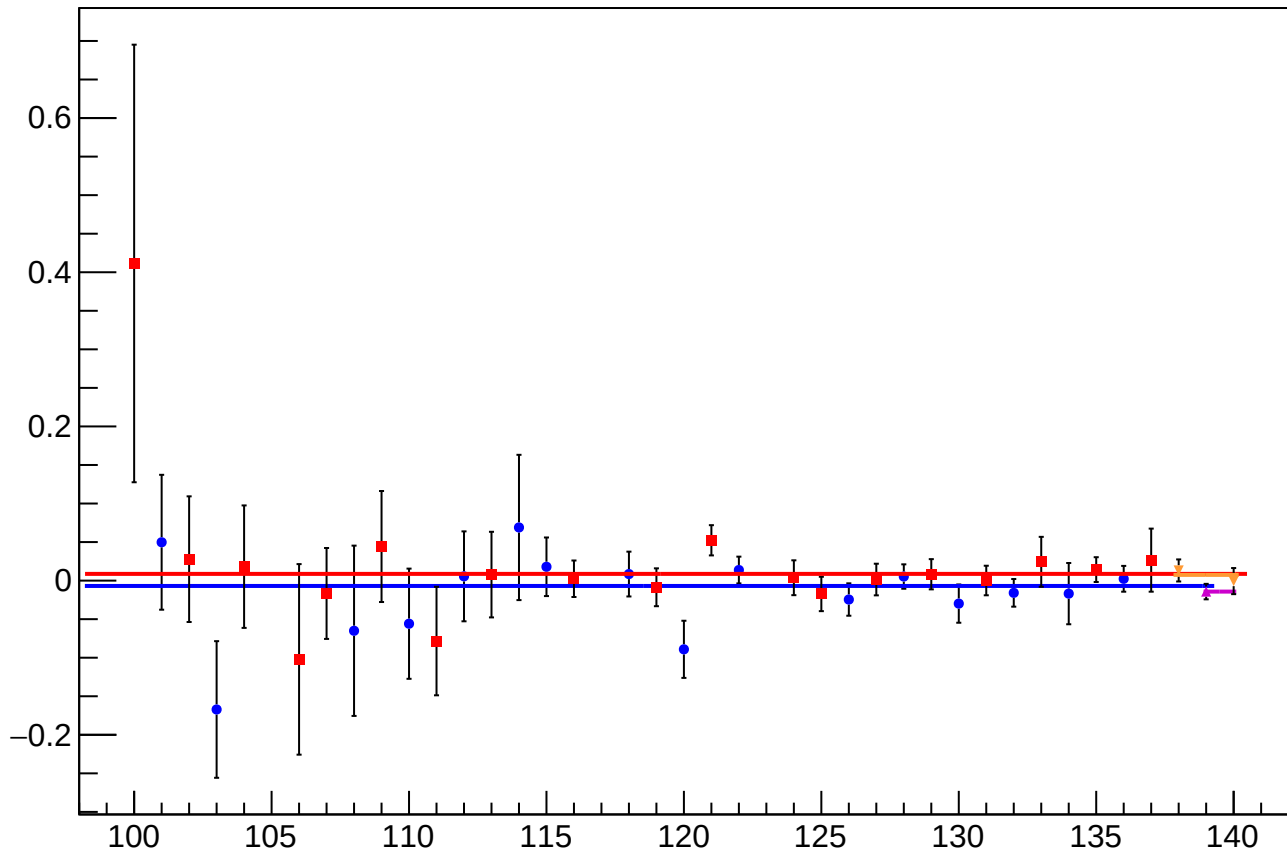
Left In: 8.758 $\pm$ 0.007 χ^2 /NDF:0.0/0

+ sign 14.537 $\pm$ 0.004 χ^2 /NDF: 3512446.0/17

All: 13.582 $\pm$ 0.003 χ^2 /NDF: 7687507.5/37

- sign 12.738 $\pm$ 0.004 χ^2 /NDF: 4070437.3/19

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: 0.007 ± 0.011 χ^2/NDF : 0.4/1

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

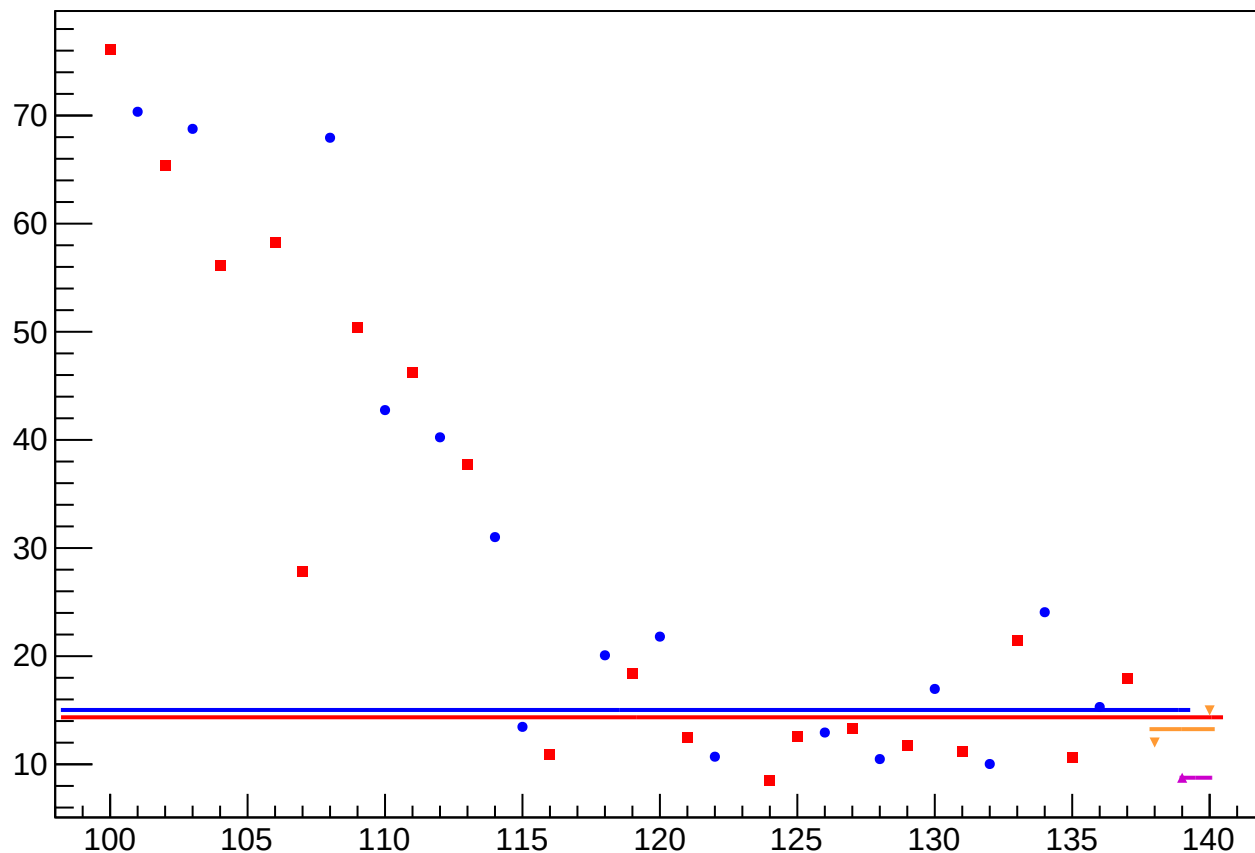
Left In: -0.014 ± 0.010 χ^2/NDF : 0.0/0

+ sign -0.003 ± 0.006 χ^2/NDF : 16.6/17

All: -0.000 ± 0.004 χ^2/NDF : 33.4/37

- sign 0.002 ± 0.005 χ^2/NDF : 16.4/19

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025 $\pm$ 0.005 χ^2 /NDF: 3438279.3/15

Left Out: 13.251 $\pm$ 0.008 χ^2 /NDF:35967.4/1

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

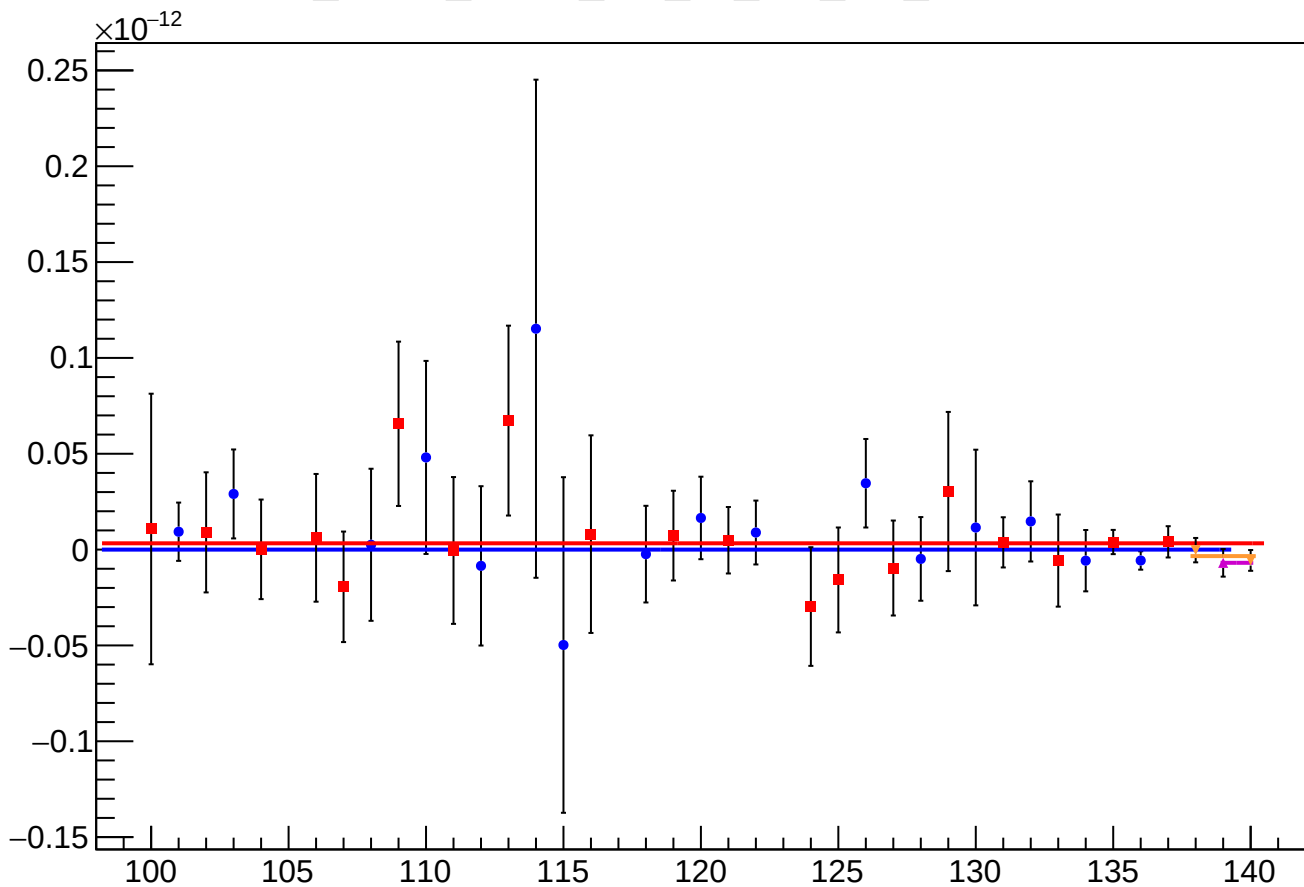
Left In: 8.758 $\pm$ 0.007 χ^2 /NDF:0.0/0

+ sign 14.537 $\pm$ 0.004 χ^2 /NDF: 3512446.0/17

All: 13.582 $\pm$ 0.003 χ^2 /NDF: 7687507.5/37

- sign 12.738 $\pm$ 0.004 χ^2 /NDF: 4070437.3/19

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 : 0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 7.0/18

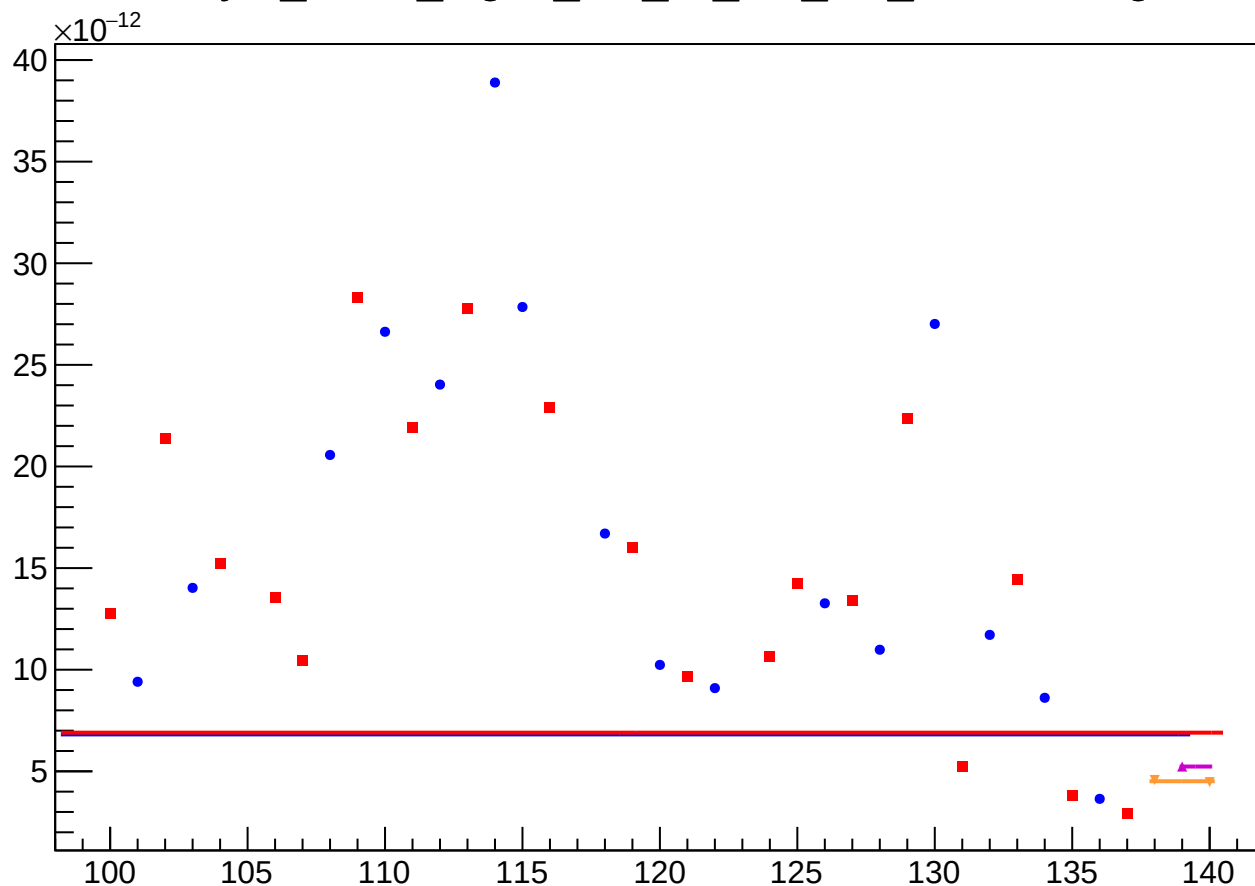
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 10.1/17

All: -0.000+/-0.000 χ^2/NDF : 18.9/37

- sign 0.000+/-0.000 χ^2/NDF : 8.5/19

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 : 318.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4241227.1/18

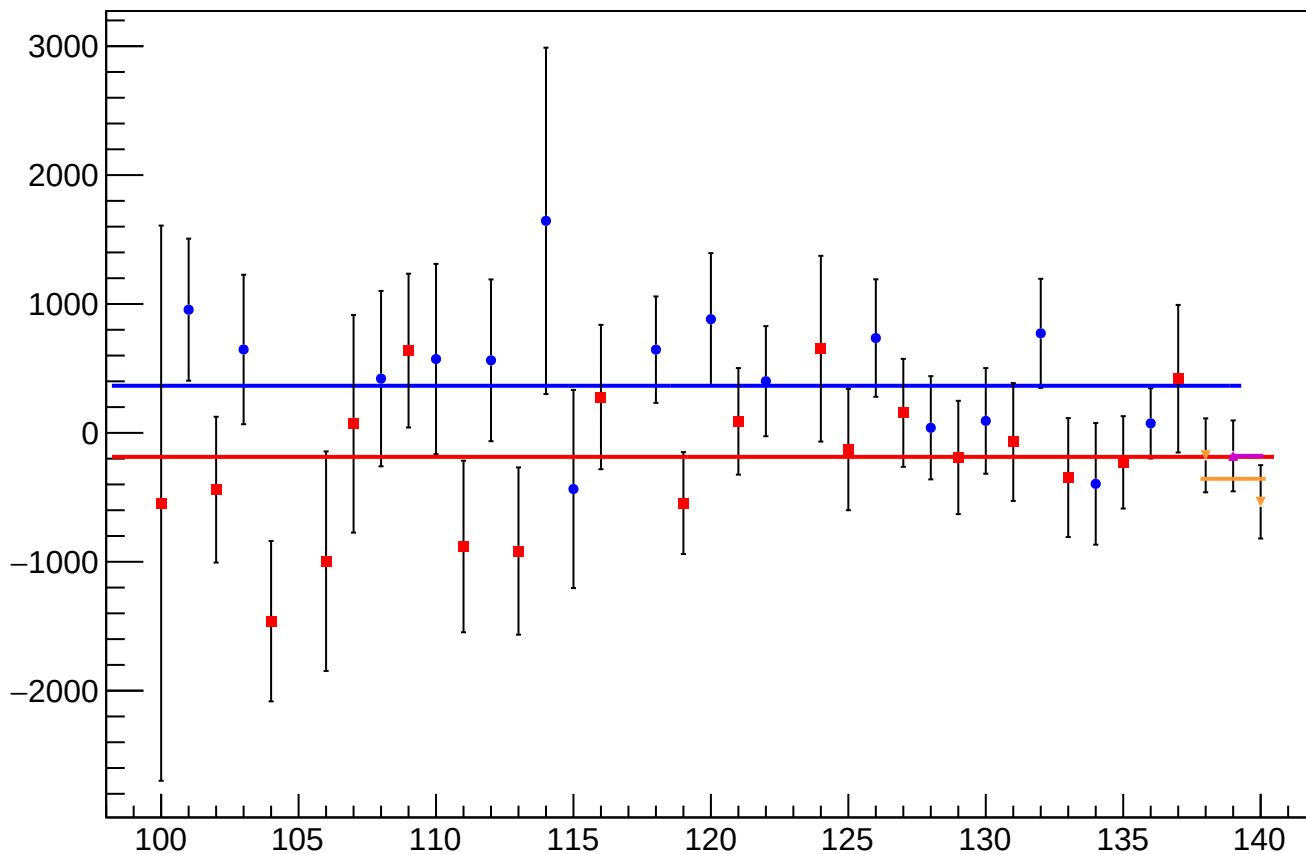
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3850132.3/17

All: 0.000+/-0.000 χ^2/NDF : 8231324.9/37

- sign 0.000+/-0.000 χ^2/NDF : 4323510.8/19

reg_asym_sam2_mean vs Slug



Right In: 365.540 $\pm$ 118.873 χ^2 /NDF: 11.5/15

Left Out: -356.107 $\pm$ 202.032 χ^2 /NDF: 0.8/1

Right Out: -186.141 $\pm$ 120.188 χ^2 /NDF: 15.0/18

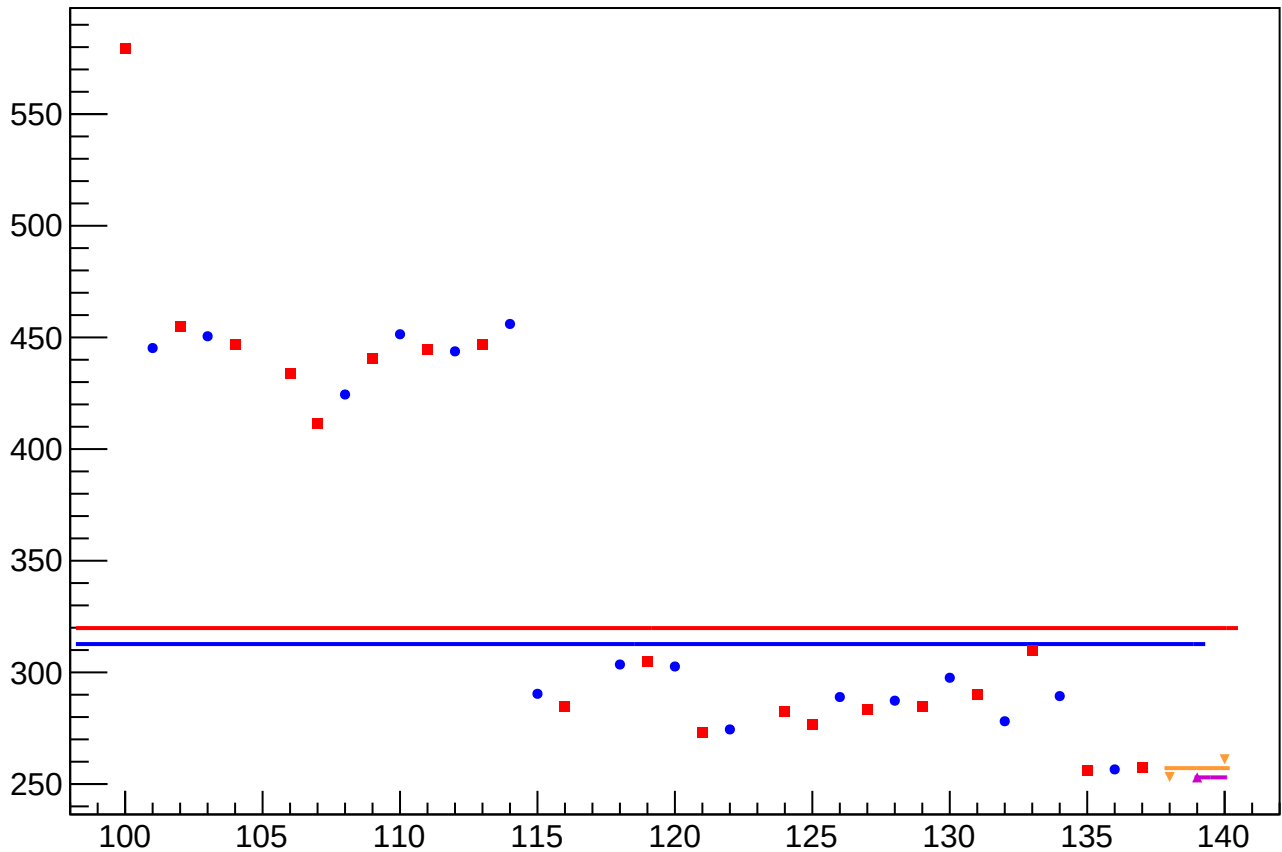
Left In: -178.478 $\pm$ 275.038 χ^2 /NDF: 0.0/0

+ sign 179.955 $\pm$ 102.454 χ^2 /NDF: 21.8/17

All: 10.682 $\pm$ 75.013 χ^2 /NDF: 42.7/37

- sign -184.912 $\pm$ 110.132 χ^2 /NDF: 15.0/19

reg_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602207.7/15

Left Out: 257.130 $\pm$ 0.143 χ^2 /NDF: 774.0/1

Right Out: 319.841 $\pm$ 0.085 χ^2 /NDF: 697878.1/18

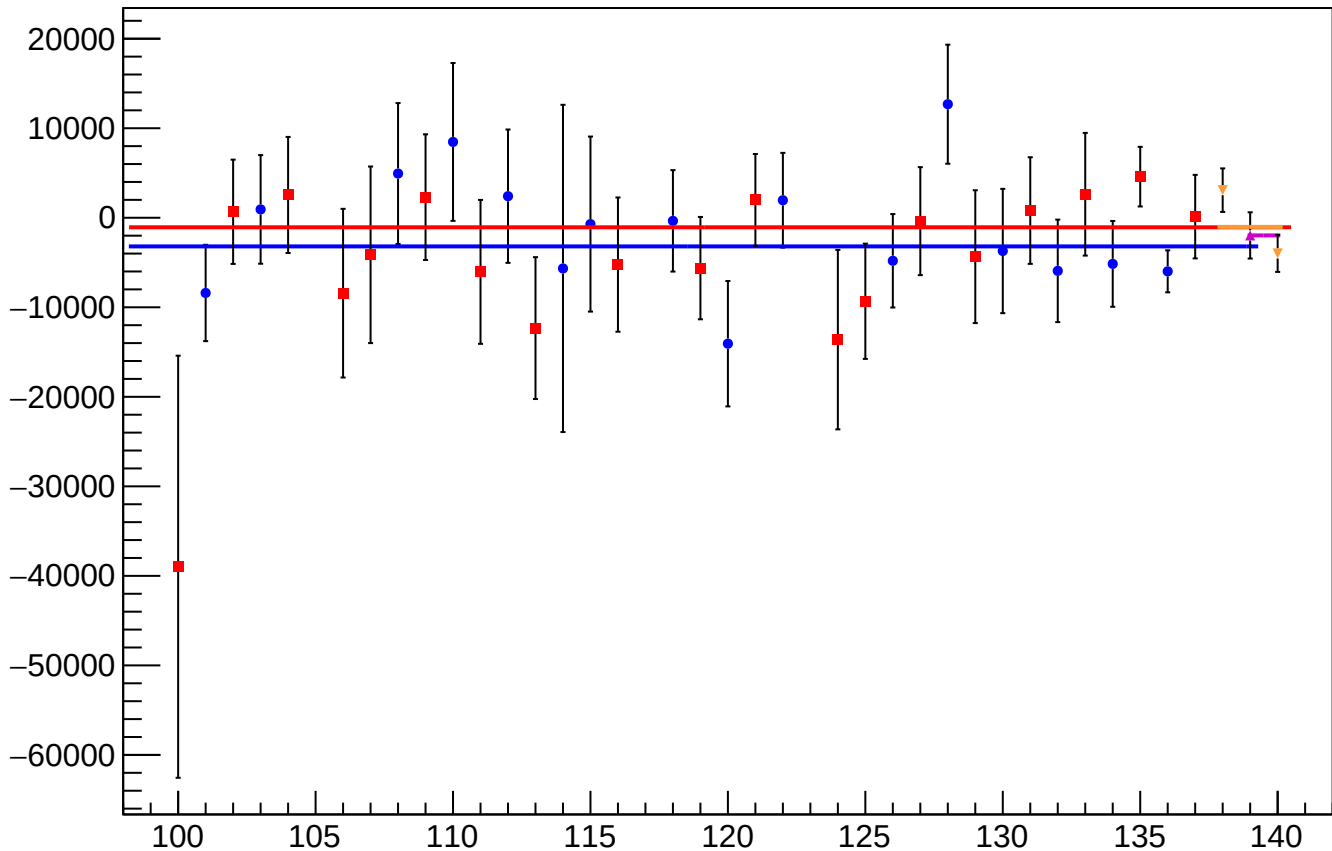
Left In: 252.992 $\pm$ 0.194 χ^2 /NDF: 0.0/0

+ sign 298.396 $\pm$ 0.072 χ^2 /NDF: 715308.8/17

All: 303.372 $\pm$ 0.053 χ^2 /NDF: 1522560.3/37

- sign 309.122 $\pm$ 0.078 χ^2 /NDF: 797082.3/19

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742 ± 1353.814 χ^2/NDF : 16.1/15

Left Out: -1019.604 ± 1574.007 χ^2/NDF : 4.9/1

Right Out: -1065.939 ± 1443.326 χ^2/NDF : 14.4/18

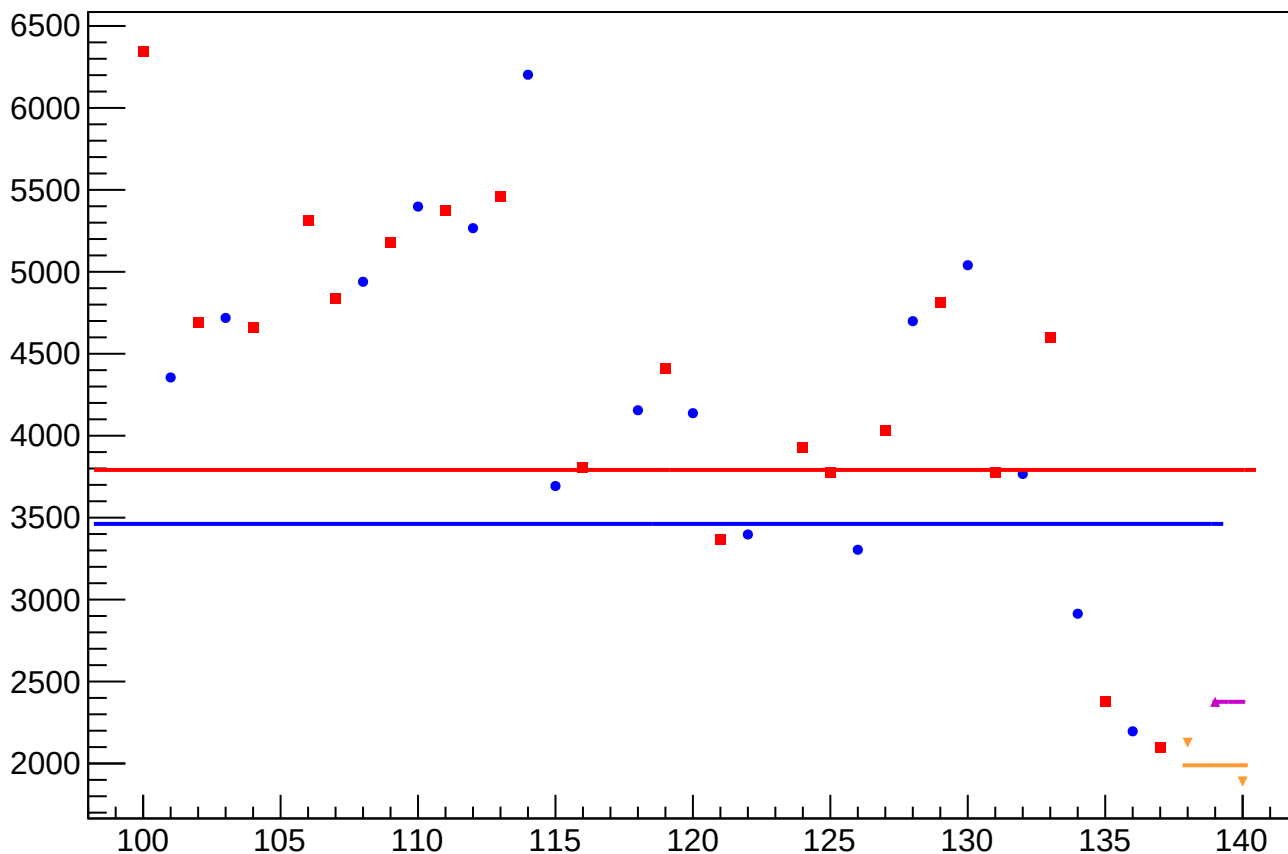
Left In: -1971.775 ± 2583.319 χ^2/NDF : 0.0/0

+ sign -2272.138 ± 1026.387 χ^2/NDF : 22.1/17

All: -1876.967 ± 795.778 χ^2/NDF : 37.0/37

- sign -1281.433 ± 1260.003 χ^2/NDF : 14.5/19

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF : 1309580.1/15

Left Out: 1989.045+/-1.113 χ^2/NDF : 11031.6/1

Right Out: 3791.207+/-1.021 χ^2/NDF : 1155755.9/18

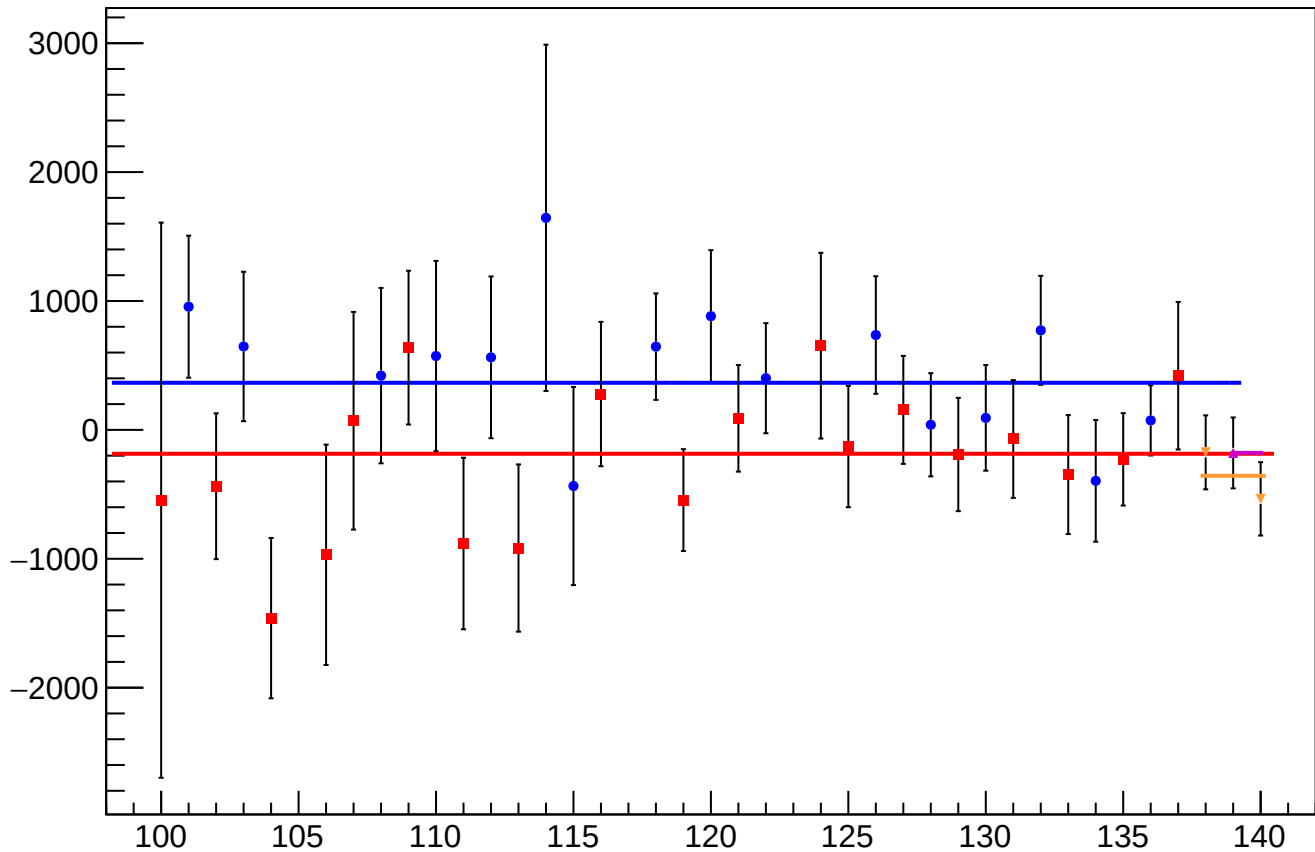
Left In: 2376.231+/-1.827 χ^2/NDF : 0.0/0

+ sign 2835.634+/-0.726 χ^2/NDF : 2327214.1/17

All: 3082.523+/-0.563 χ^2/NDF : 4230367.8/37

- sign 3454.590+/-0.891 χ^2/NDF : 1613040.4/19

cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -356.096 ± 202.032 χ^2/NDF : 0.8/1

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

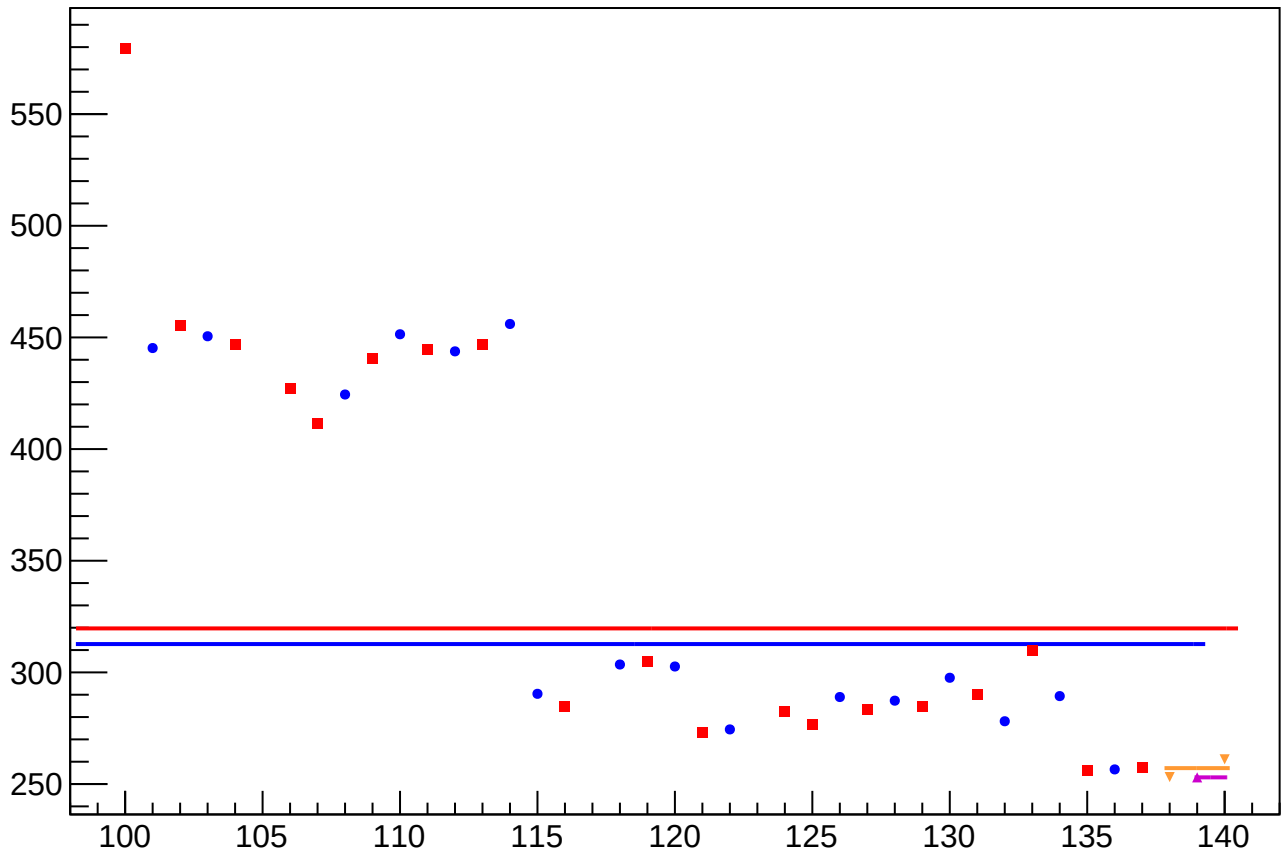
Left In: -178.534 ± 275.038 χ^2/NDF : 0.0/0

+ sign 179.945 ± 102.454 χ^2/NDF : 21.8/17

All: 11.002 ± 75.016 χ^2/NDF : 42.6/37

- sign -184.241 ± 110.140 χ^2/NDF : 14.9/19

cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 257.130 $\pm$ 0.143 χ^2 /NDF: 774.0/1

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

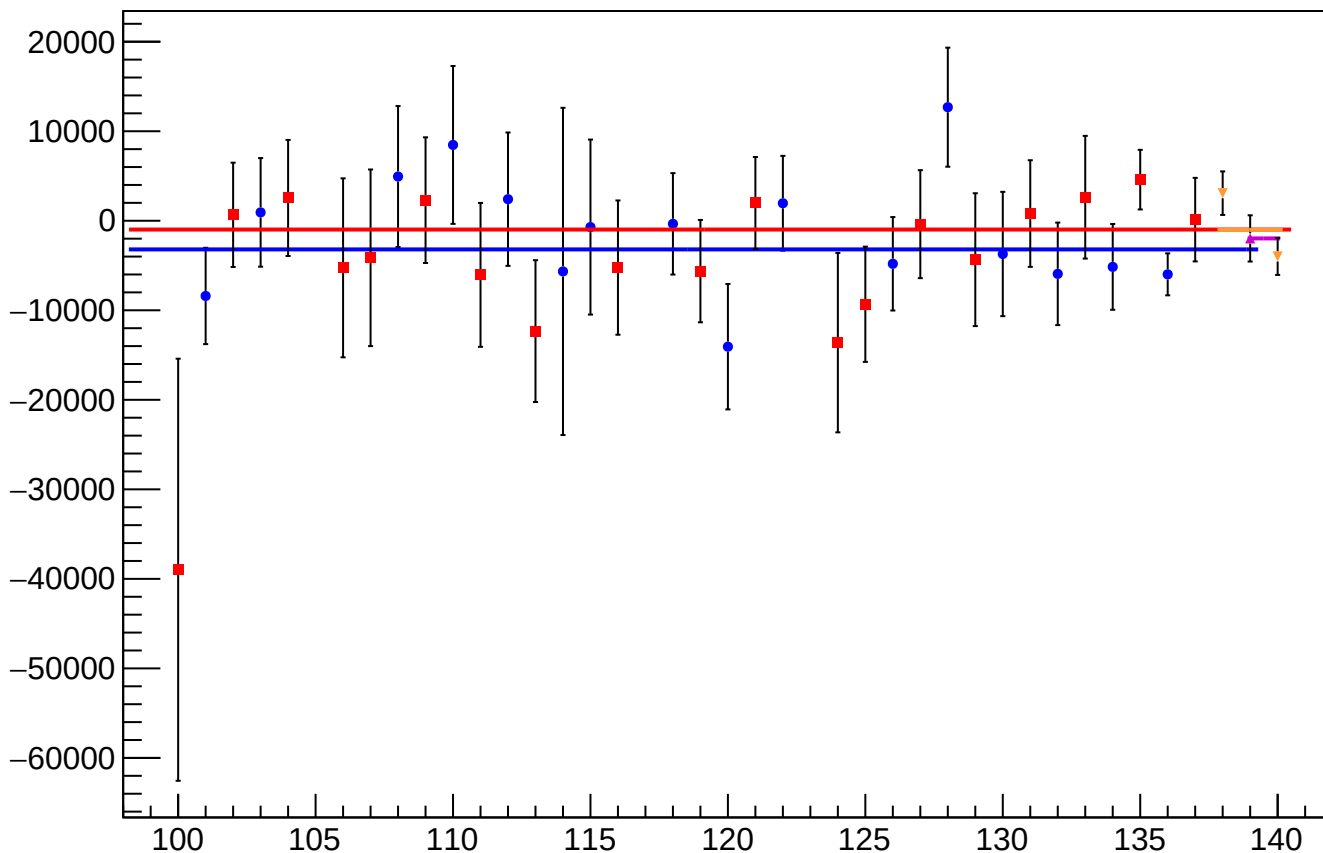
Left In: 252.992 $\pm$ 0.194 χ^2 /NDF: 0.0/0

+ sign 298.396 $\pm$ 0.072 χ^2 /NDF: 715310.3/17

All: 303.314 $\pm$ 0.053 χ^2 /NDF: 1517717.4/37

- sign 308.996 $\pm$ 0.078 χ^2 /NDF: 792476.3/19

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673 $\pm$ 1353.816 χ^2 /NDF: 16.1/15

Left Out: -1019.627 $\pm$ 1574.007 χ^2 /NDF: 4.9/1

Right Out: -980.937 $\pm$ 1445.265 χ^2 /NDF: 14.0/18

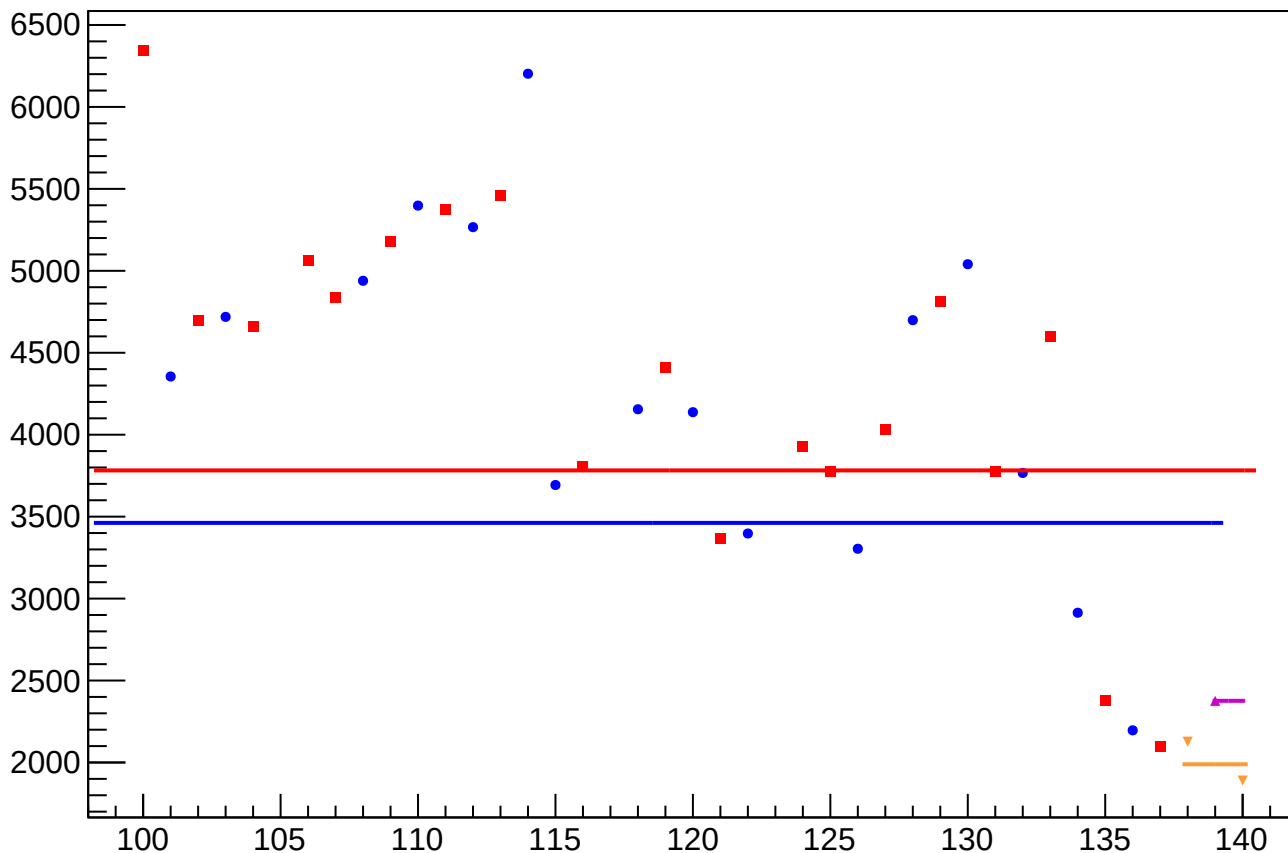
Left In: -1971.827 $\pm$ 2583.320 χ^2 /NDF: 0.0/0

+ sign -2272.106 $\pm$ 1026.388 χ^2 /NDF: 22.1/17

All: -1851.822 $\pm$ 796.104 χ^2 /NDF: 36.6/37

- sign -1217.149 $\pm$ 1261.292 χ^2 /NDF: 14.1/19

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF : 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF : 11032.0/1

+ sign 2835.635+/-0.726 χ^2/NDF : 2327235.4/17

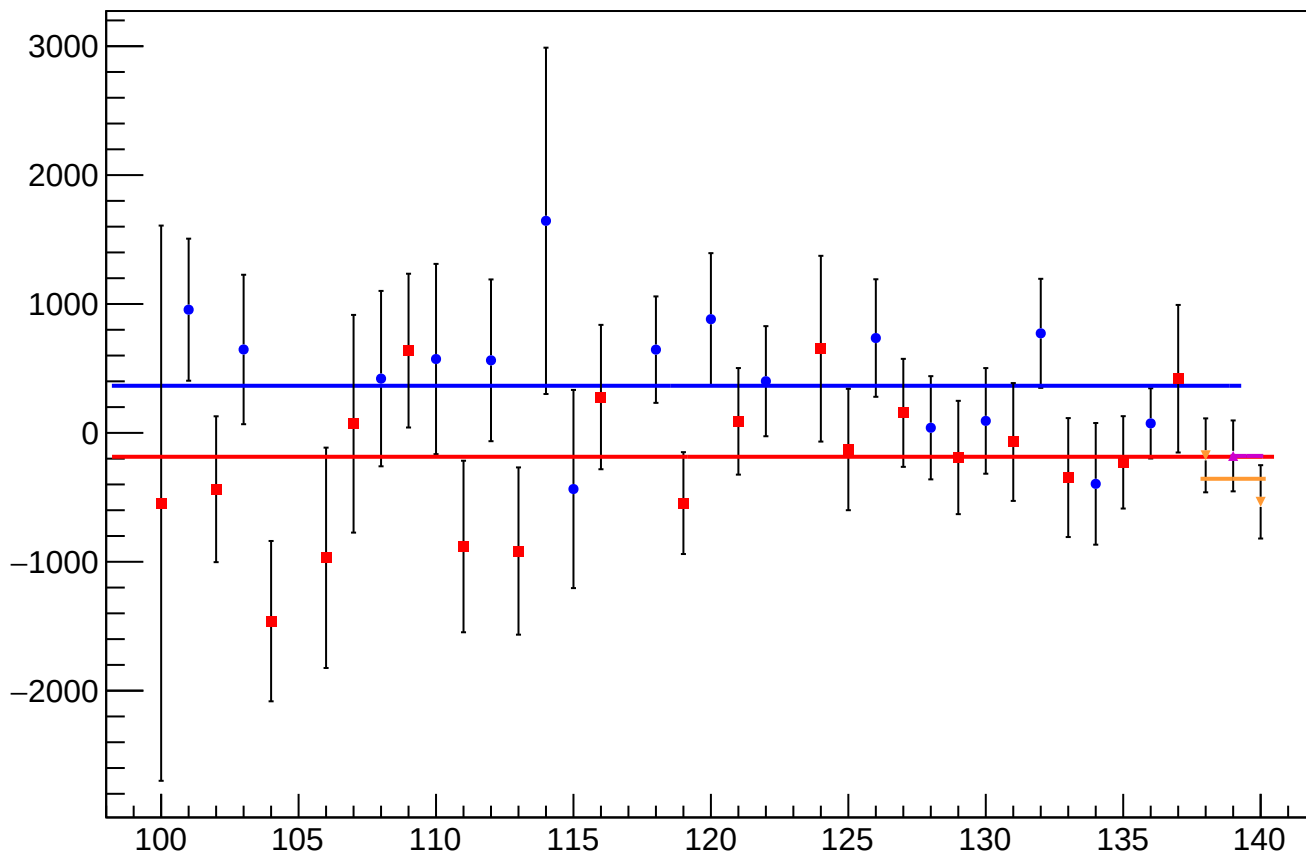
Right Out: 3782.176+/-1.022 χ^2/NDF : 1136342.8/18

All: 3079.205+/-0.563 χ^2/NDF : 4197469.4/37

- sign 3447.023+/-0.892 χ^2/NDF : 1587519.8/19

Left In: 2376.231+/-1.827 χ^2/NDF : 0.0/0

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -356.096 ± 202.032 χ^2/NDF : 0.8/1

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

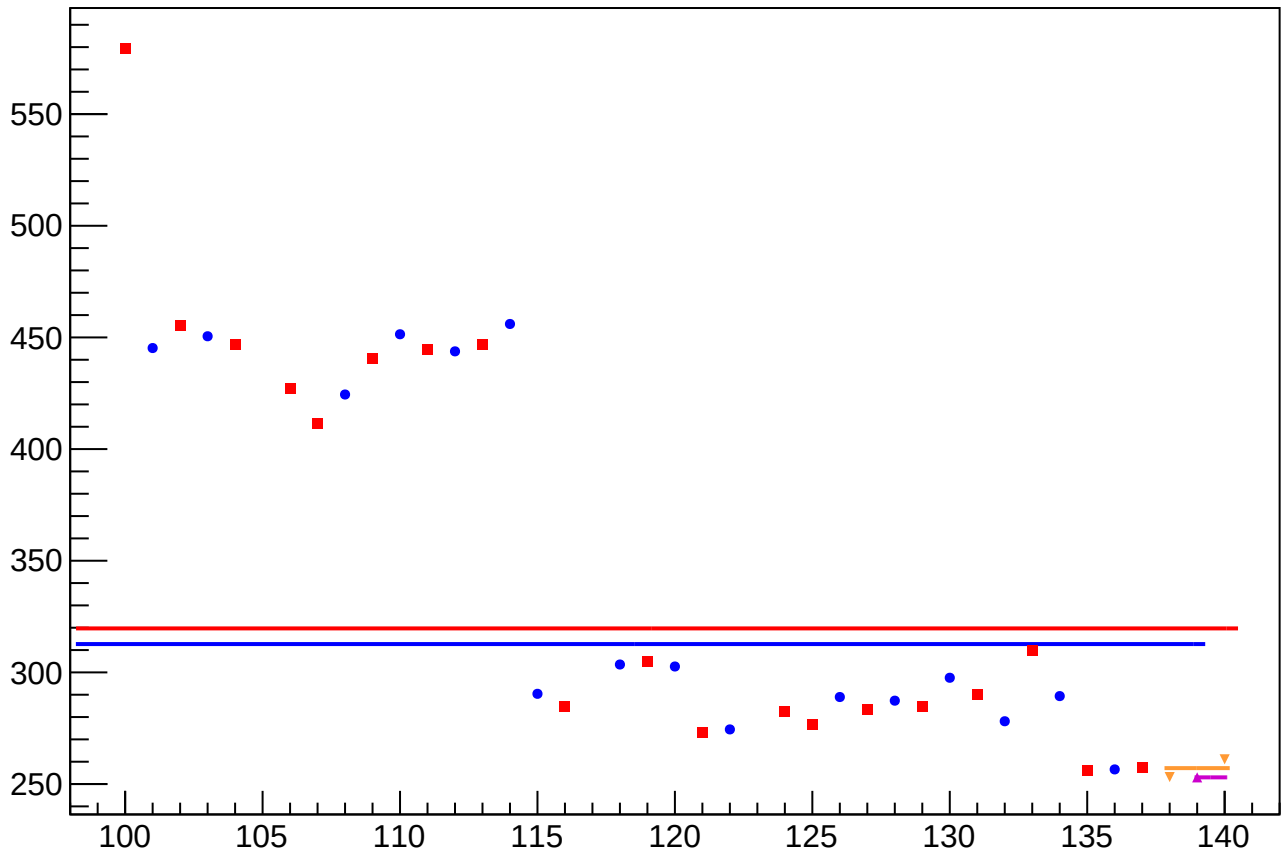
Left In: -178.534 ± 275.038 χ^2/NDF : 0.0/0

+ sign 179.945 ± 102.454 χ^2/NDF : 21.8/17

All: 11.002 ± 75.016 χ^2/NDF : 42.6/37

- sign -184.241 ± 110.140 χ^2/NDF : 14.9/19

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 257.130 $\pm$ 0.143 χ^2 /NDF: 774.0/1

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

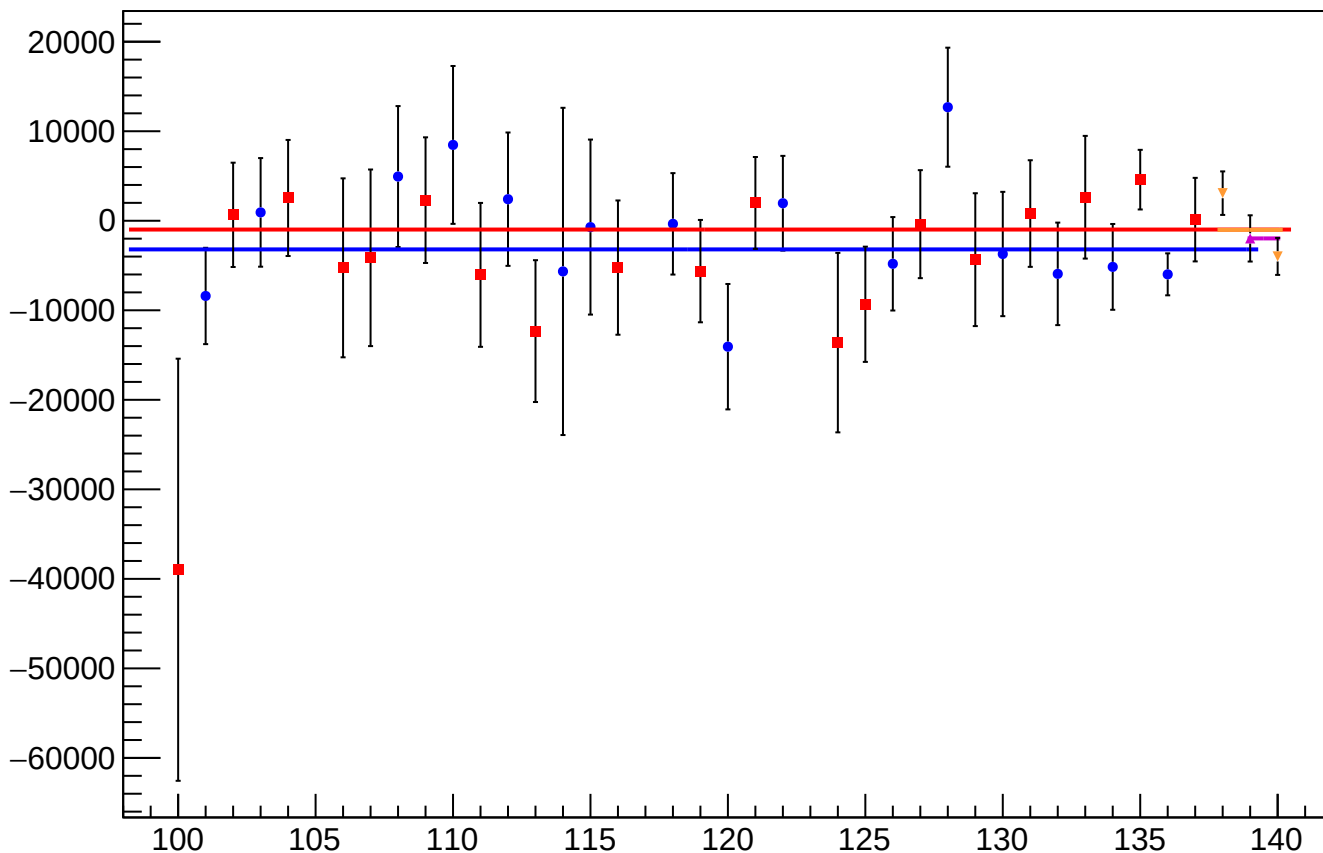
Left In: 252.992 $\pm$ 0.194 χ^2 /NDF: 0.0/0

+ sign 298.396 $\pm$ 0.072 χ^2 /NDF: 715310.3/17

All: 303.314 $\pm$ 0.053 χ^2 /NDF: 1517717.4/37

- sign 308.996 $\pm$ 0.078 χ^2 /NDF: 792476.3/19

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673 $\pm$ 1353.816 χ^2 /NDF: 16.1/15

Left Out: -1019.627 $\pm$ 1574.007 χ^2 /NDF: 4.9/1

Right Out: -980.937 $\pm$ 1445.265 χ^2 /NDF: 14.0/18

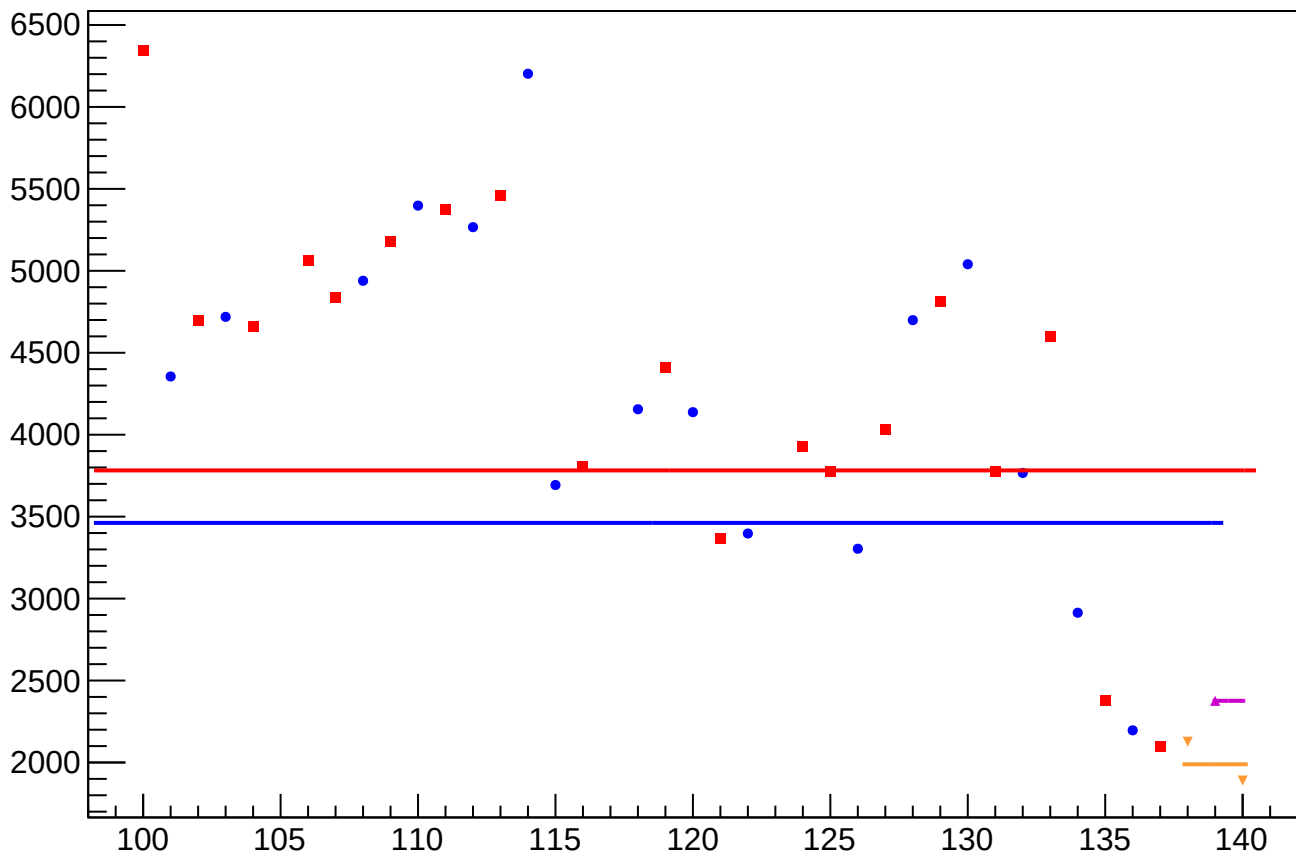
Left In: -1971.827 $\pm$ 2583.320 χ^2 /NDF: 0.0/0

+ sign -2272.106 $\pm$ 1026.388 χ^2 /NDF: 22.1/17

All: -1851.822 $\pm$ 796.104 χ^2 /NDF: 36.6/37

- sign -1217.149 $\pm$ 1261.292 χ^2 /NDF: 14.1/19

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF : 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF : 11032.0/1

Right Out: 3782.176+/-1.022 χ^2/NDF : 1136342.8/18

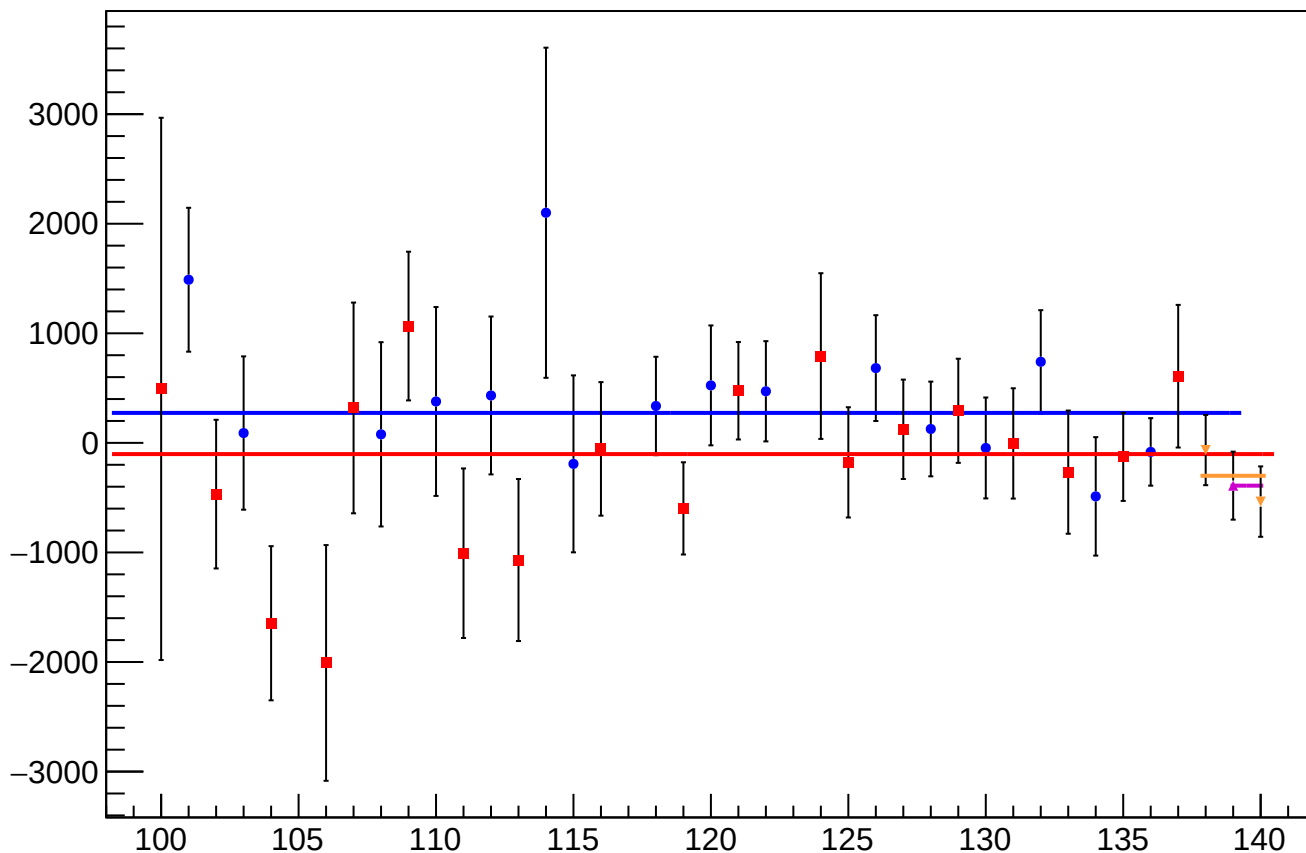
Left In: 2376.231+/-1.827 χ^2/NDF : 0.0/0

+ sign 2835.635+/-0.726 χ^2/NDF : 2327235.4/17

All: 3079.205+/-0.563 χ^2/NDF : 4197469.4/37

- sign 3447.023+/-0.892 χ^2/NDF : 1587519.8/19

dit_asym_sam2_mean vs Slug



Right In: 273.578 $\pm$ 132.537 χ^2 /NDF: 11.4/15

Left Out: -300.213 $\pm$ 226.865 χ^2 /NDF:1.1/1

Right Out: -102.369 $\pm$ 133.606 χ^2 /NDF: 21.3/18

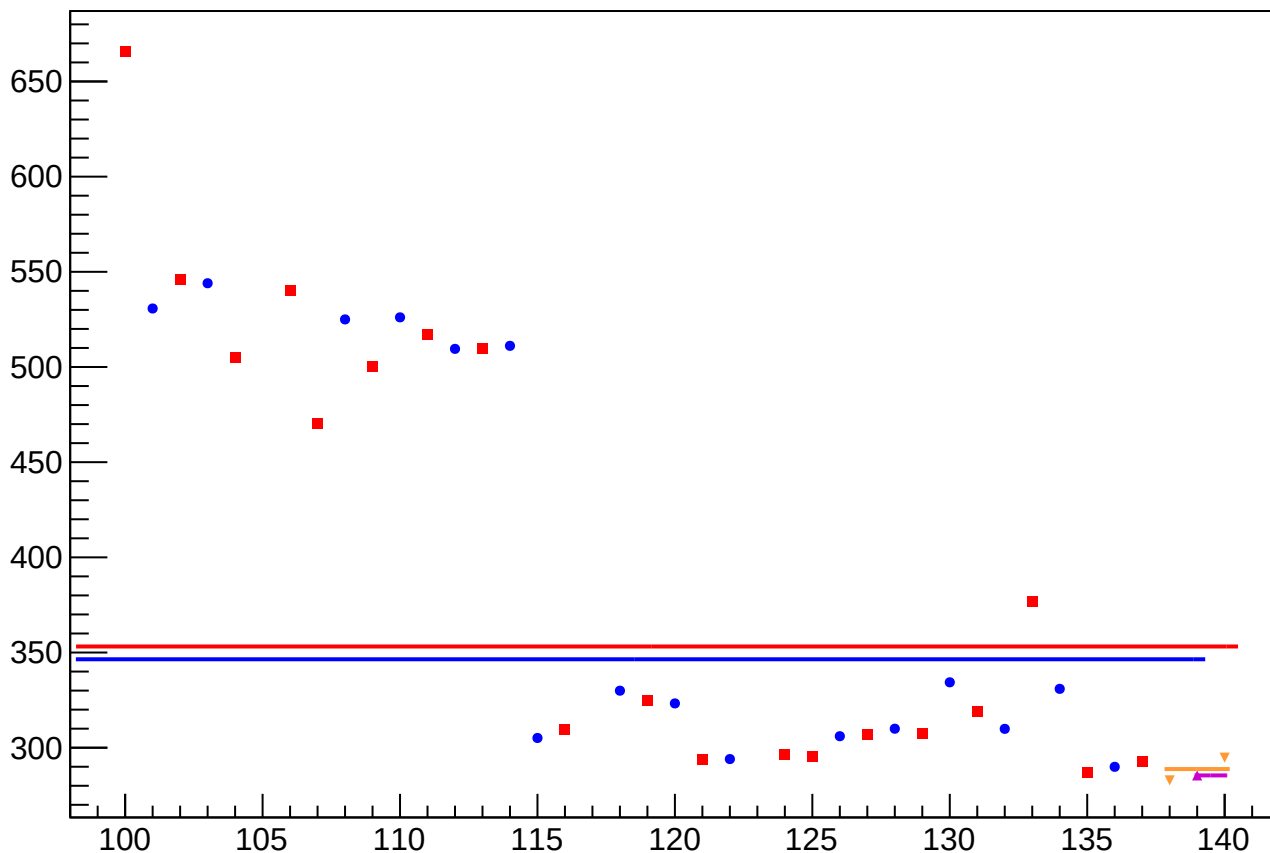
Left In: -390.437 $\pm$ 310.296 χ^2 /NDF:0.0/0

+ sign 127.573 $\pm$ 114.439 χ^2 /NDF: 17.3/17

All: -0.341 $\pm$ 83.693 χ^2 /NDF: 42.0/37

- sign -147.423 $\pm$ 122.714 χ^2 /NDF: 22.0/19

dit_asym_sam2_rms vs Slug



Right In: 346.455 ± 0.094 $\chi^2/\text{NDF}: 768763.1/15$

Left Out: 288.787 ± 0.160 $\chi^2/\text{NDF}: 1379.9/1$

Right Out: 353.178 ± 0.094 $\chi^2/\text{NDF}: 866364.3/18$

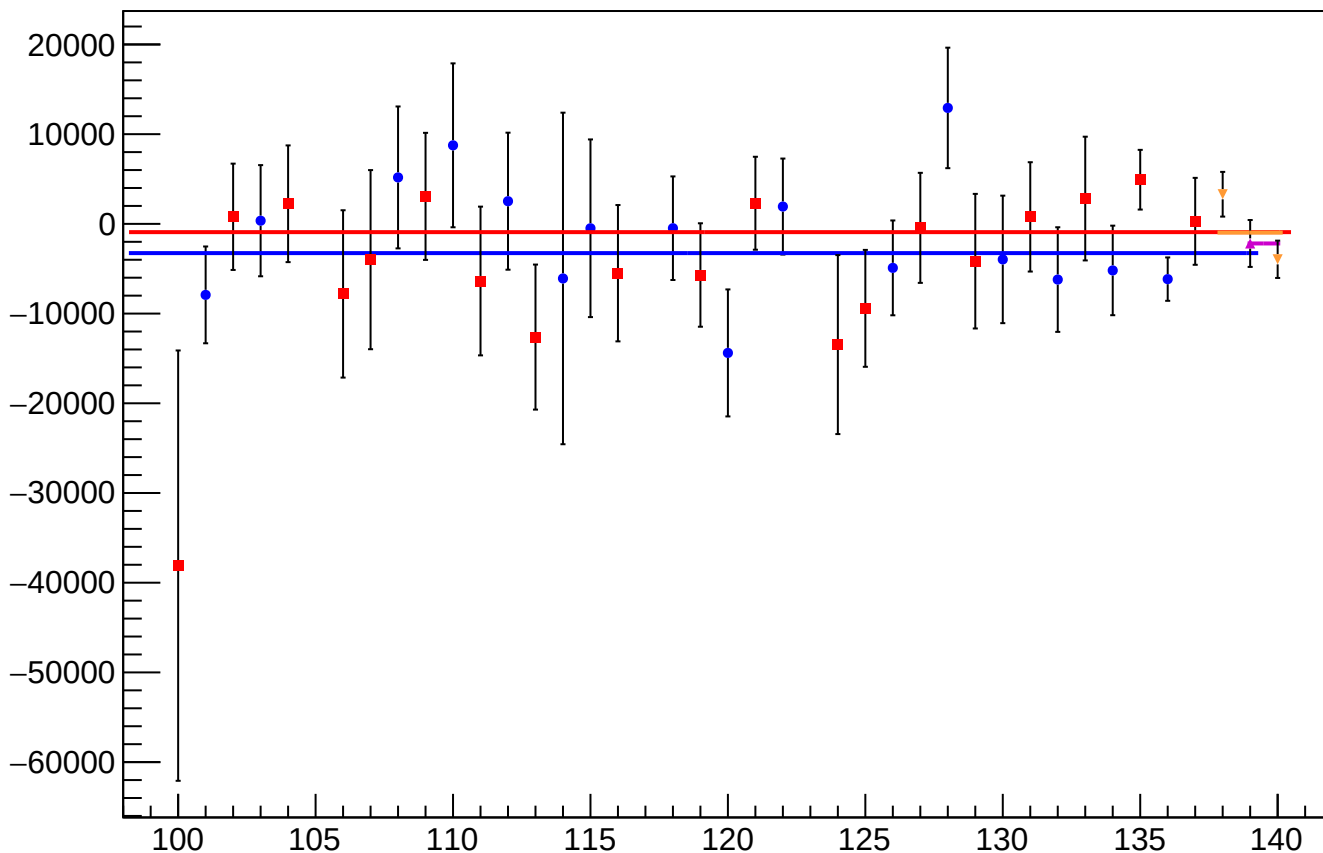
Left In: 285.443 ± 0.219 $\chi^2/\text{NDF}: 0.0/0$

+ sign 331.781 ± 0.081 $\chi^2/\text{NDF}: 866488.8/17$

All: 336.806 ± 0.059 $\chi^2/\text{NDF}: 1821538.9/37$

- sign 342.584 ± 0.087 $\chi^2/\text{NDF}: 946759.9/19$

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837 ± 1384.139 χ^2/NDF : 16.0/15

Left Out: -972.831 ± 1596.973 χ^2/NDF : 5.0/1

Right Out: -921.196 ± 1460.727 χ^2/NDF : 14.6/18

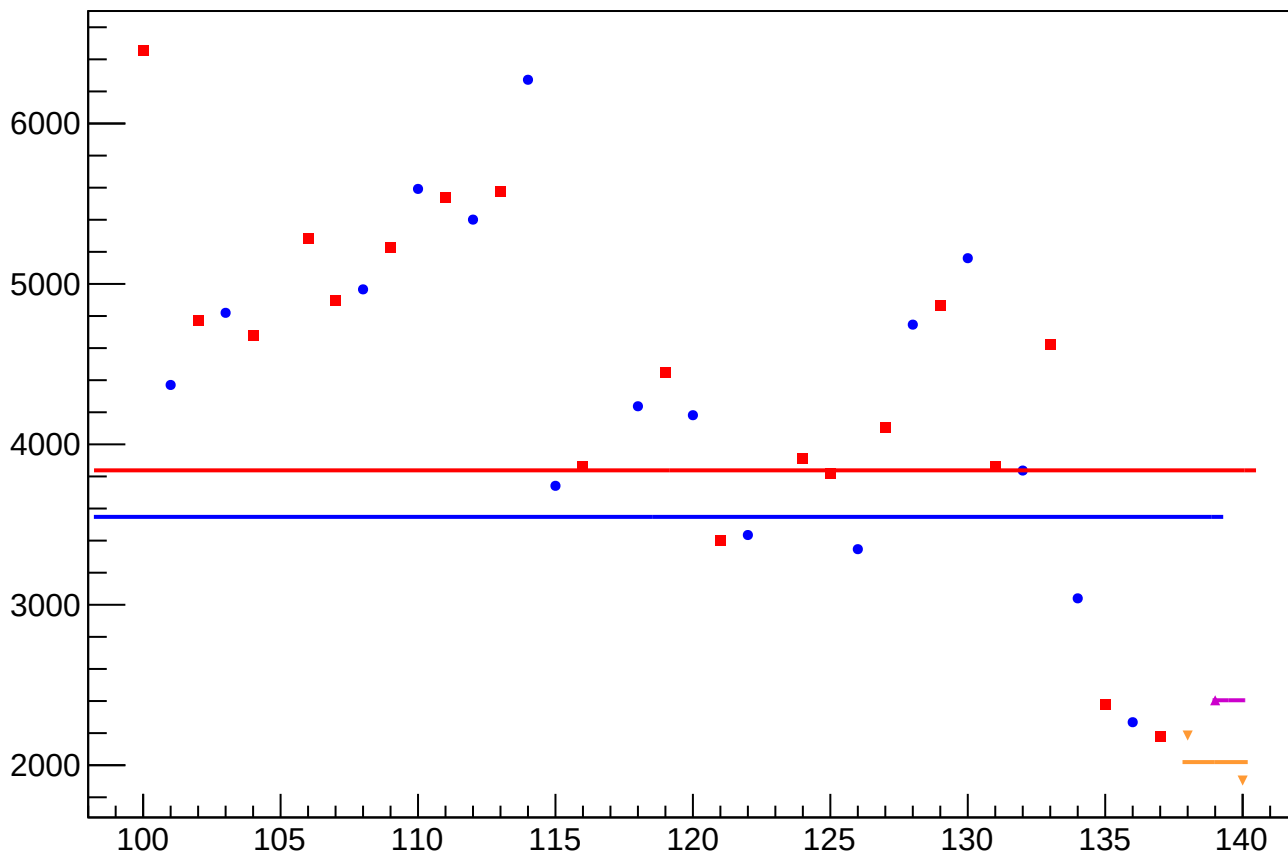
Left In: -2183.506 ± 2614.320 χ^2/NDF : 0.0/0

+ sign -2278.213 ± 1045.948 χ^2/NDF : 22.2/17

All: -1853.215 ± 808.704 χ^2/NDF : 37.4/37

- sign -1221.520 ± 1275.177 χ^2/NDF : 14.8/19

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF : 1258486.8/15

Left Out: 2019.431+/-1.129 χ^2/NDF : 14941.6/1

Right Out: 3837.970+/-1.033 χ^2/NDF : 1155831.8/18

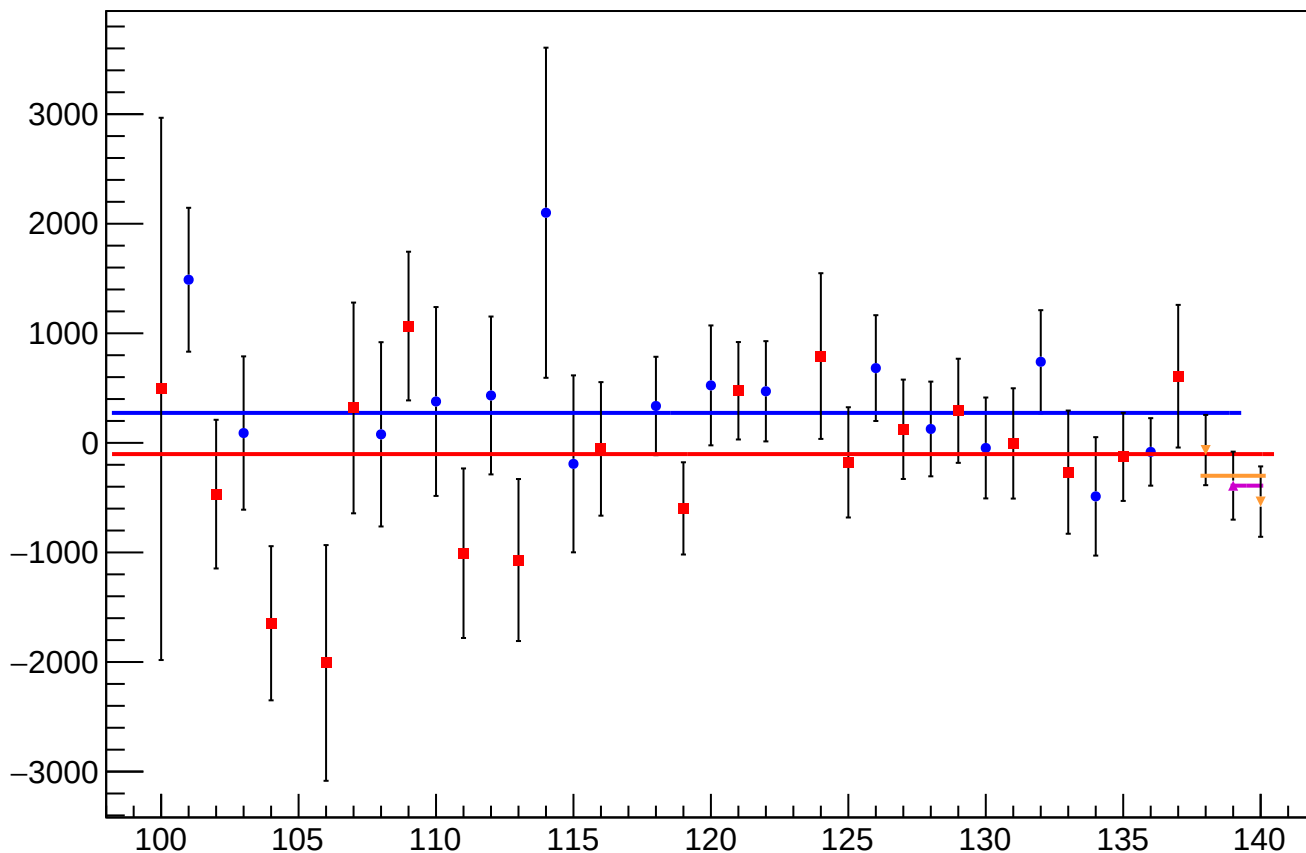
Left In: 2404.780+/-1.849 χ^2/NDF : 0.0/0

+ sign 2892.275+/-0.740 χ^2/NDF : 2319708.1/17

All: 3135.490+/-0.572 χ^2/NDF : 4202474.9/37

- sign 3496.991+/-0.902 χ^2/NDF : 1613892.0/19

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582 ± 132.536 χ^2/NDF : 11.4/15

Left Out: -300.222 ± 226.865 χ^2/NDF : 1.1/1

Right Out: -102.368 ± 133.606 χ^2/NDF : 21.3/18

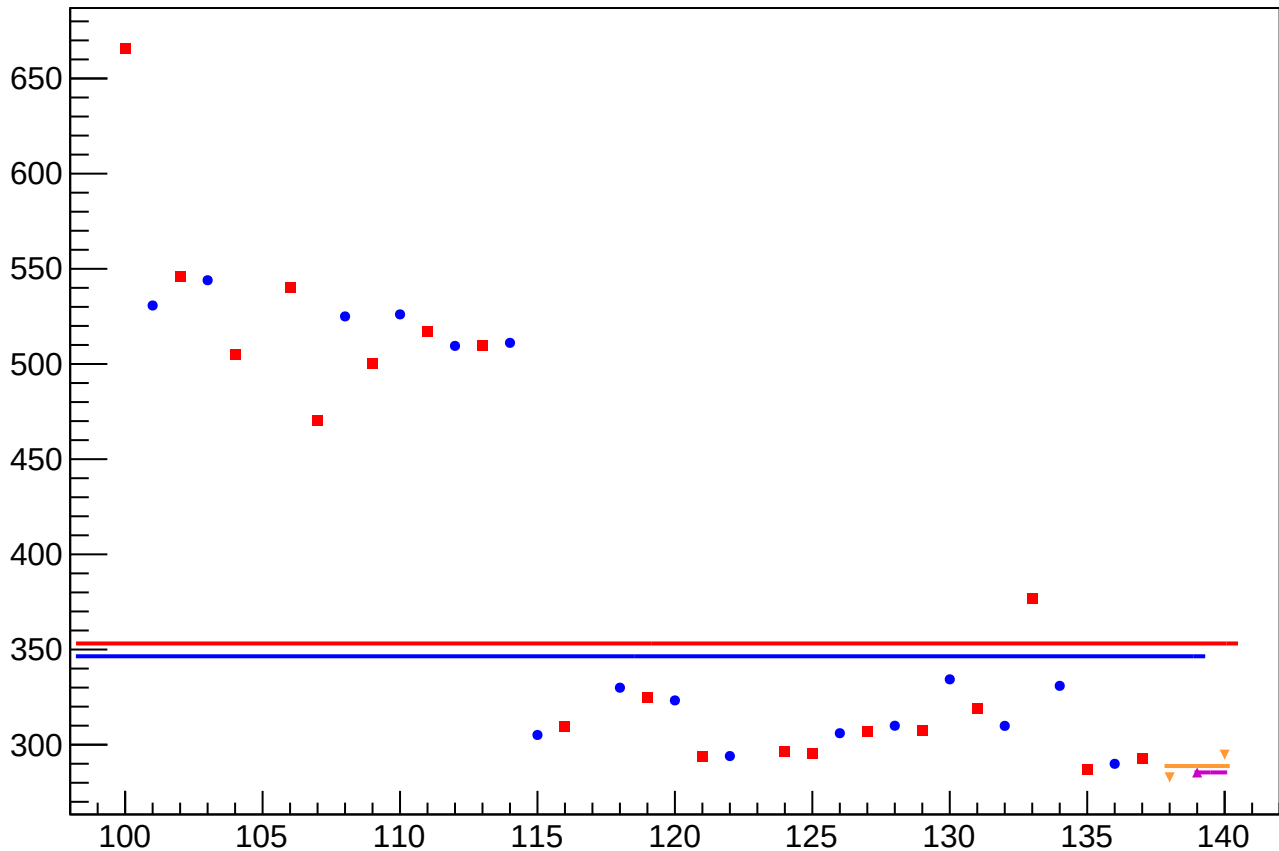
Left In: -390.426 ± 310.295 χ^2/NDF : 0.0/0

+ sign 127.575 ± 114.439 χ^2/NDF : 17.3/17

All: -0.338 ± 83.693 χ^2/NDF : 42.0/37

- sign -147.420 ± 122.714 χ^2/NDF : 22.0/19

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF : 768754.7/15

Left Out: 288.787+/-0.160 χ^2/NDF :1380.1/1

Right Out: 353.176+/-0.094 χ^2/NDF : 866353.6/18

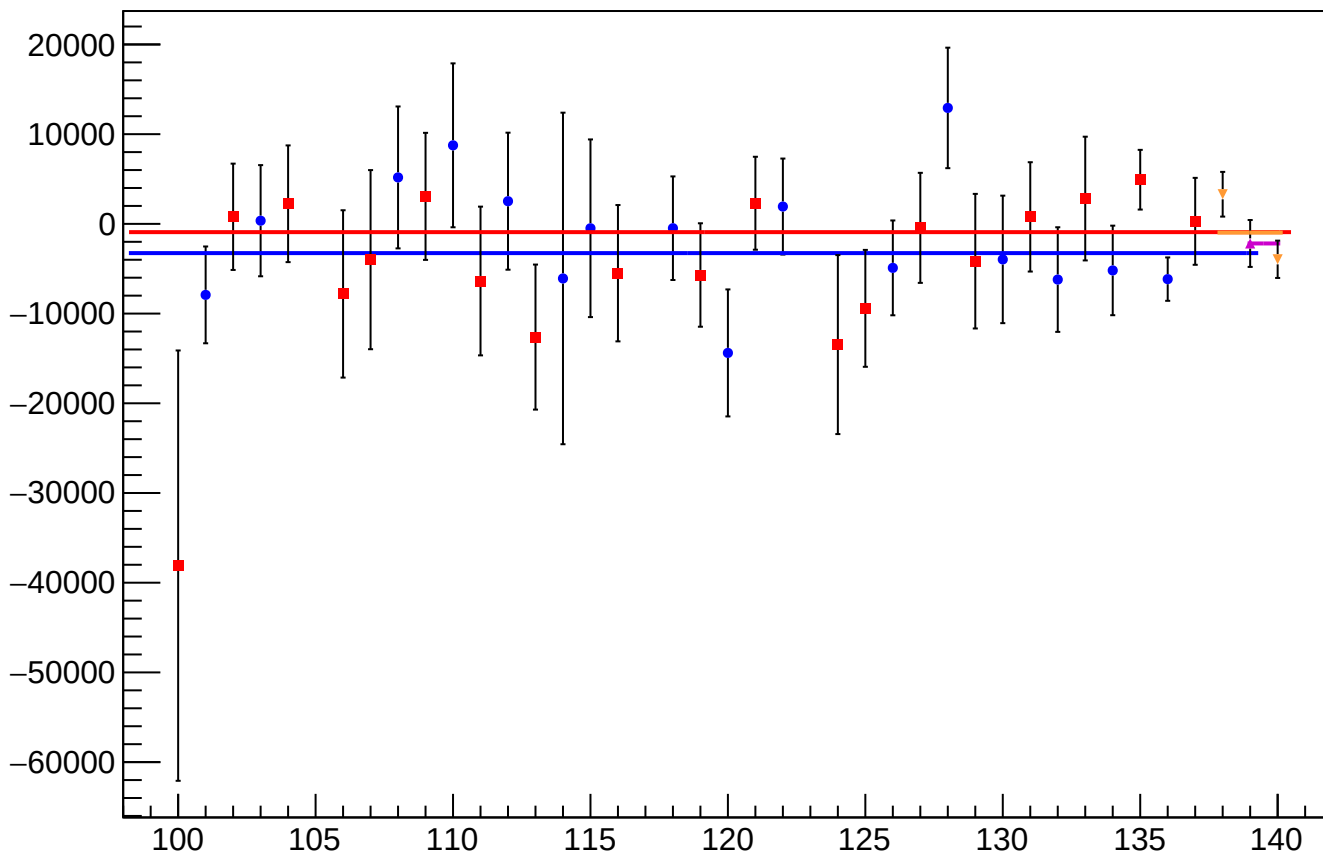
Left In: 285.443+/-0.219 χ^2/NDF :0.0/0

+ sign 331.779+/-0.081 χ^2/NDF : 866475.3/17

All: 336.805+/-0.059 χ^2/NDF : 1821514.1/37

- sign 342.583+/-0.087 χ^2/NDF : 946748.0/19

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828 ± 1384.137 $\chi^2/\text{NDF}: 16.0/15$

Left Out: -972.828 ± 1596.972 $\chi^2/\text{NDF}: 5.0/1$

Right Out: -921.200 ± 1460.725 $\chi^2/\text{NDF}: 14.6/18$

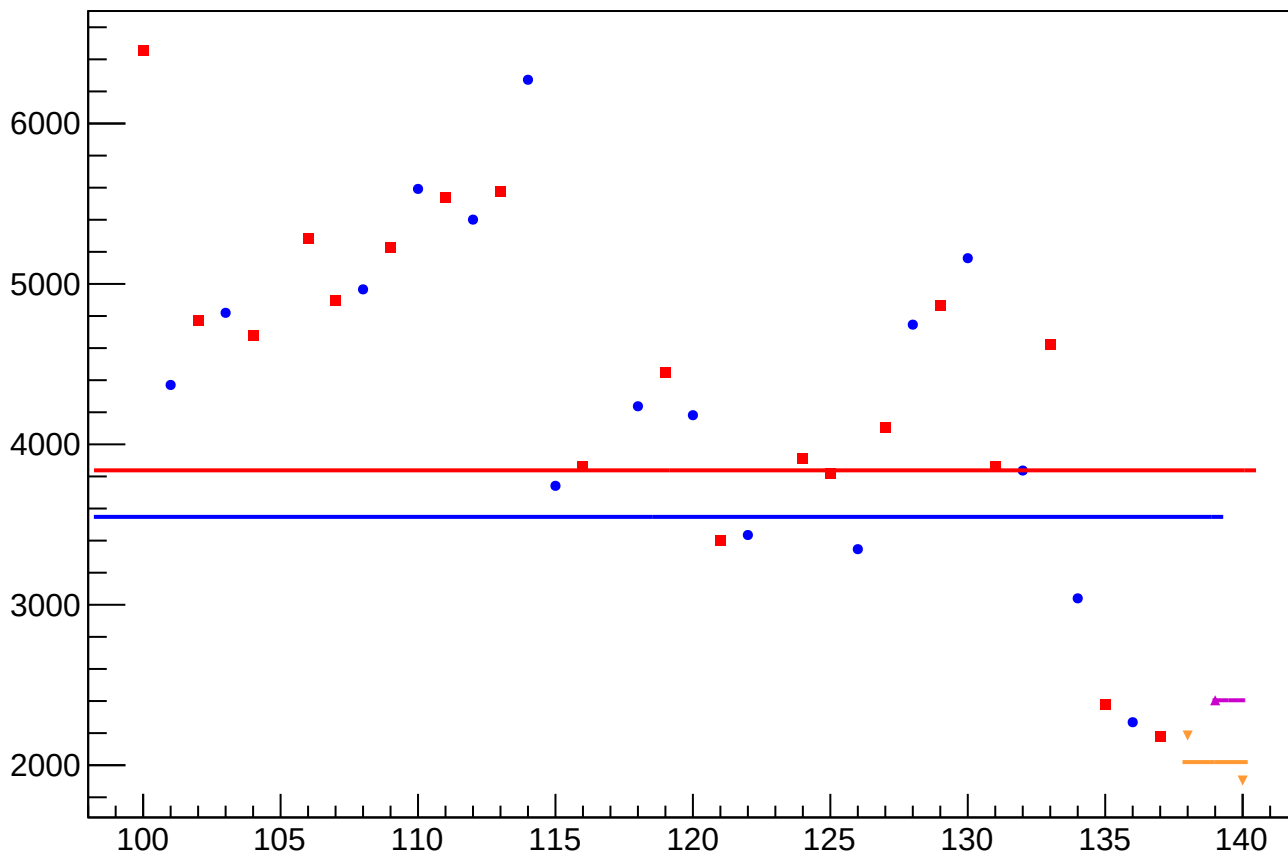
Left In: -2183.493 ± 2614.311 $\chi^2/\text{NDF}: 0.0/0$

+ sign -2278.208 ± 1045.947 $\chi^2/\text{NDF}: 22.2/17$

All: -1853.212 ± 808.702 $\chi^2/\text{NDF}: 37.4/37$

- sign -1221.521 ± 1275.175 $\chi^2/\text{NDF}: 14.8/19$

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF : 1258472.8/15

Left Out: 2019.430+/-1.129 χ^2/NDF :14940.8/1

Right Out: 3837.965+/-1.033 χ^2/NDF : 1155821.5/18

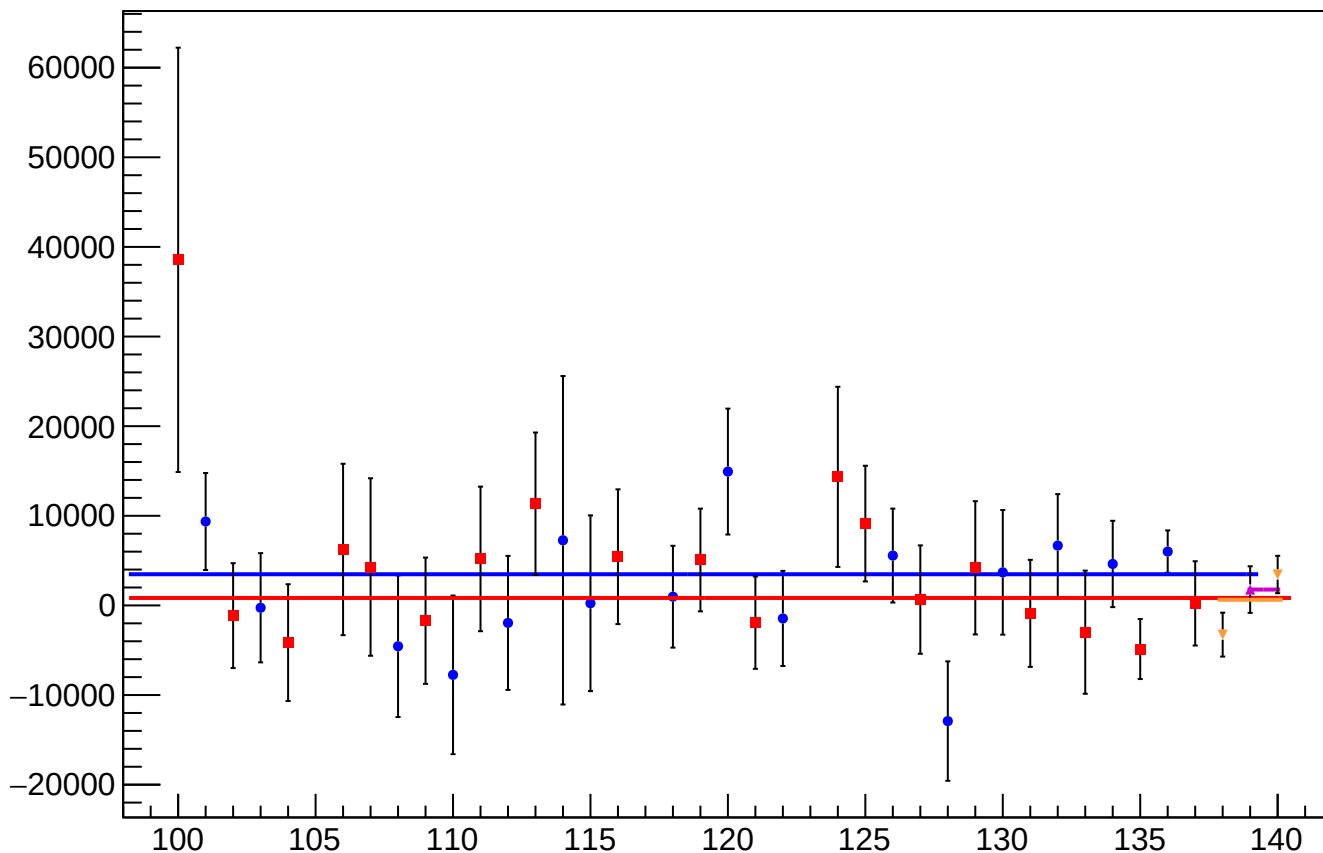
Left In: 2404.772+/-1.849 χ^2/NDF :0.0/0

+ sign 2892.273+/-0.740 χ^2/NDF : 2319693.3/17

All: 3135.486+/-0.572 χ^2/NDF : 4202452.0/37

- sign 3496.984+/-0.902 χ^2/NDF : 1613886.7/19

asym_sam2_mean vs Slug



Right In: 3478.372 $\pm$ 1360.356 χ^2 /NDF: 16.3/15

Left Out: 628.509 $\pm$ 1587.583 χ^2 /NDF: 4.4/1

Right Out: 832.583 $\pm$ 1449.649 χ^2 /NDF: 14.0/18

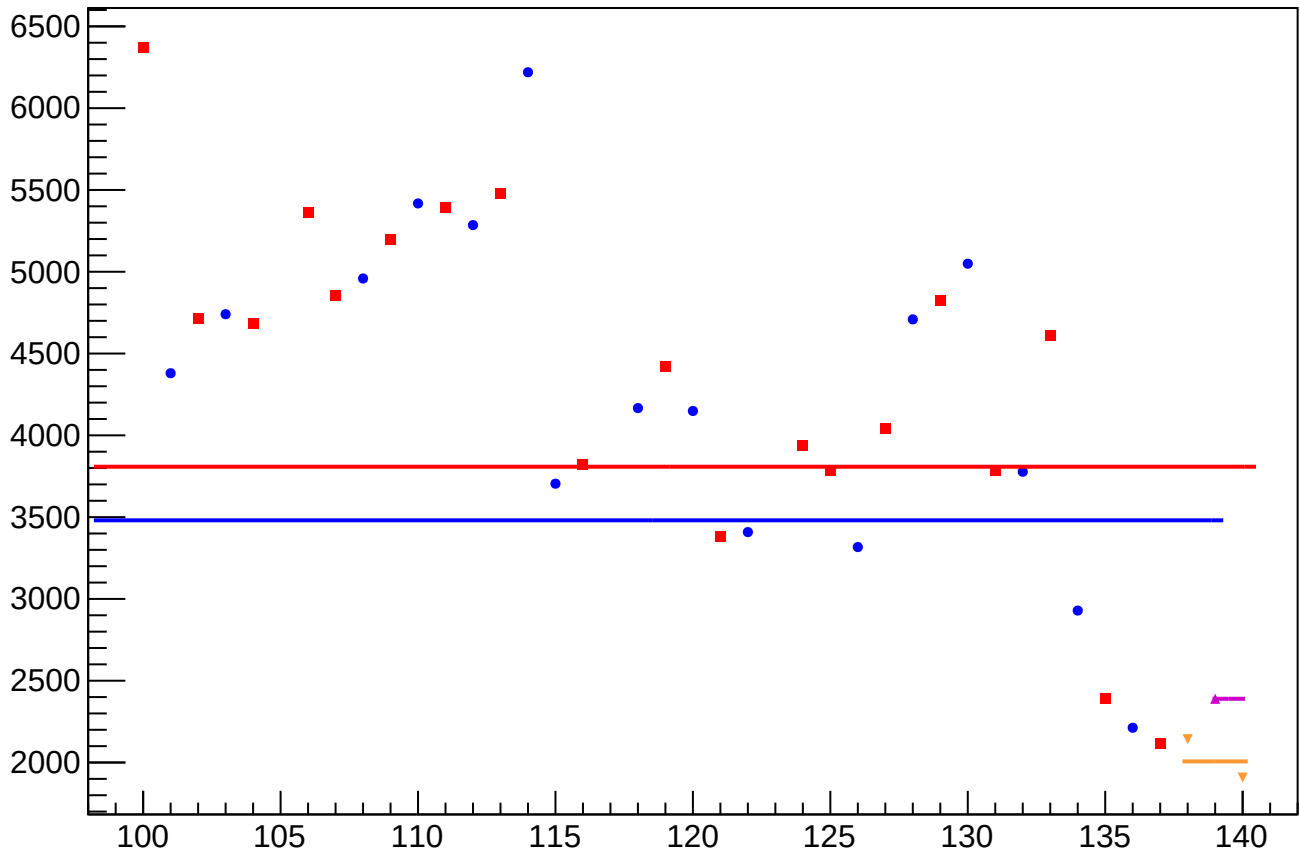
Left In: 1768.637 $\pm$ 2597.955 χ^2 /NDF: 0.0/0

+ sign 2271.811 $\pm$ 1032.997 χ^2 /NDF: 22.5/17

All: 1785.365 $\pm$ 800.346 χ^2 /NDF: 37.2/37

- sign 1054.833 $\pm$ 1265.907 χ^2 /NDF: 14.1/19

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF : 1296641.6/15

Left Out: 2006.624+/-1.123 χ^2/NDF : 10629.3/1

Right Out: 3808.151+/-1.025 χ^2/NDF : 1147564.2/18

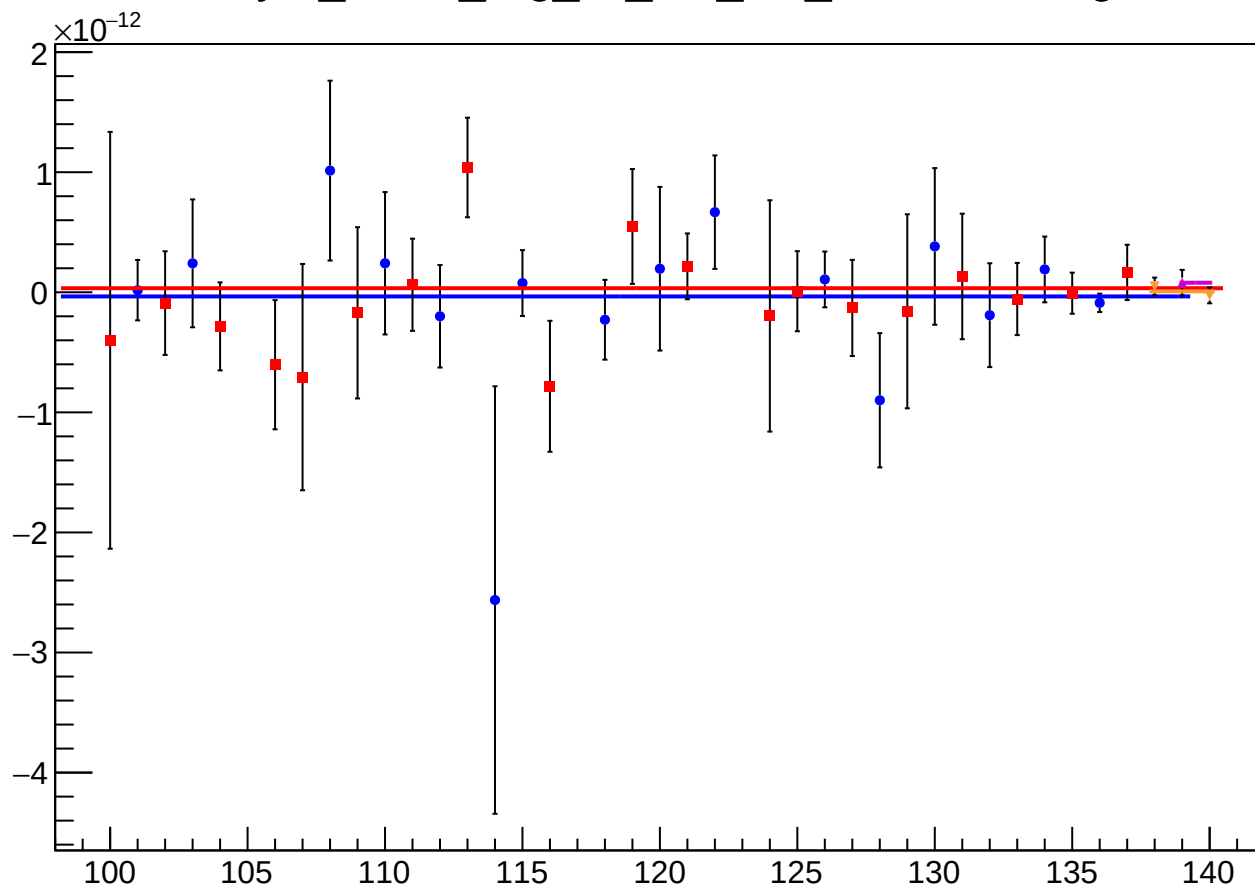
Left In: 2389.702+/-1.837 χ^2/NDF : 0.0/0

+ sign 2856.532+/-0.730 χ^2/NDF : 2301318.1/17

All: 3102.290+/-0.566 χ^2/NDF : 4186730.5/37

- sign 3471.365+/-0.895 χ^2/NDF : 1602209.2/19

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 : 0.6/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.5/18

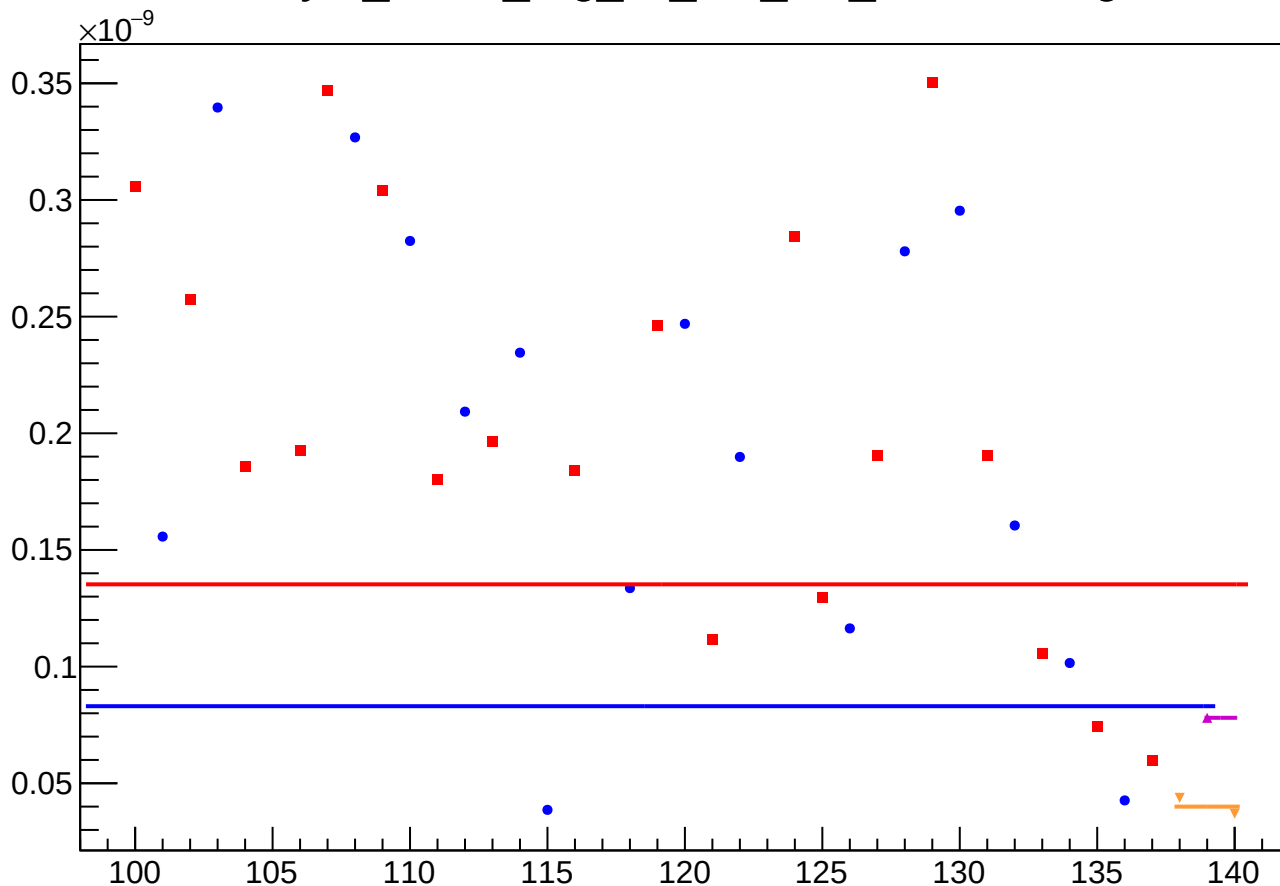
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 12.8/17

All: 0.000 ± 0.000 χ^2/NDF : 27.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 13.6/19

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2702339.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 9369.6/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 1401659.7/18

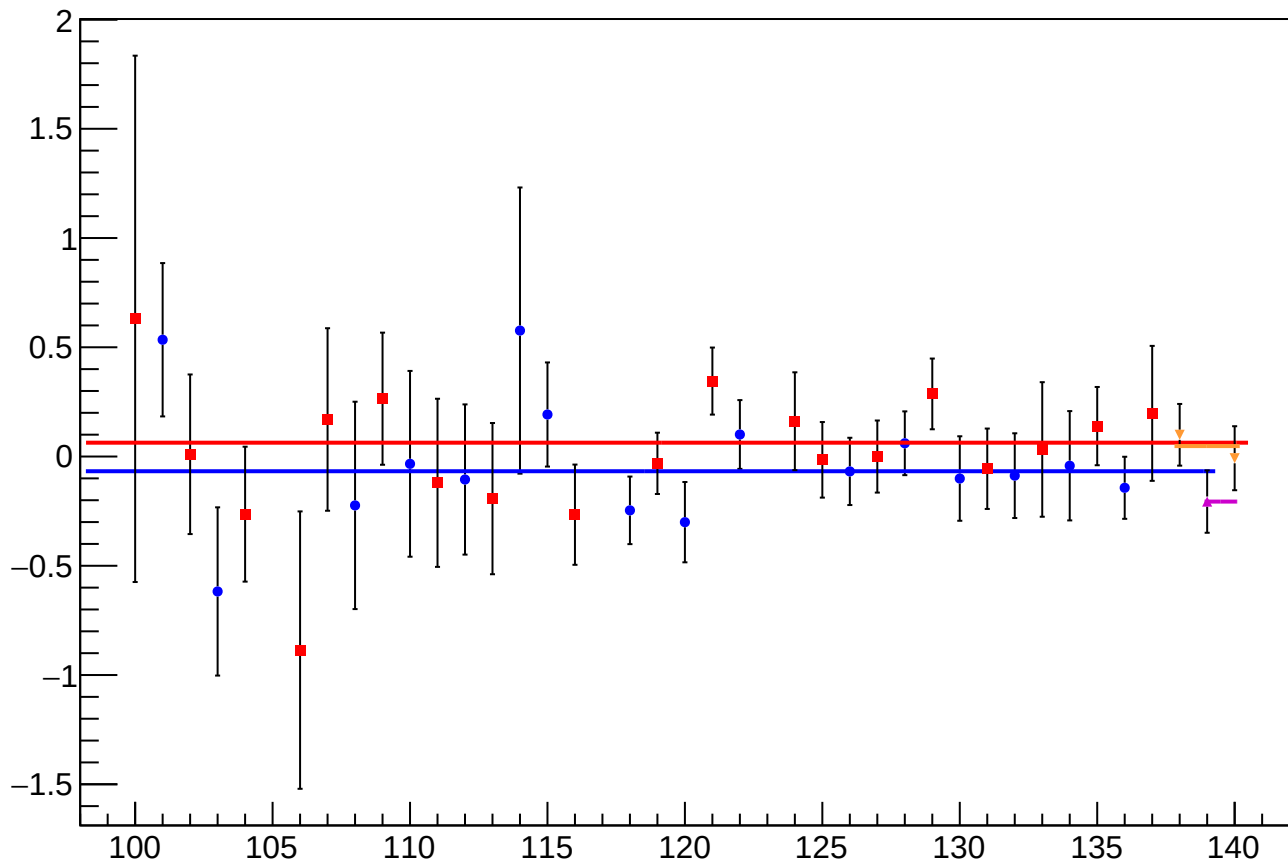
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 3319491.2/17

All: 0.000 ± 0.000 χ^2/NDF : 6141725.4/37

- sign 0.000 ± 0.000 χ^2/NDF : 1752765.9/19

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.048 ± 0.102 χ^2/NDF : 0.3/1

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

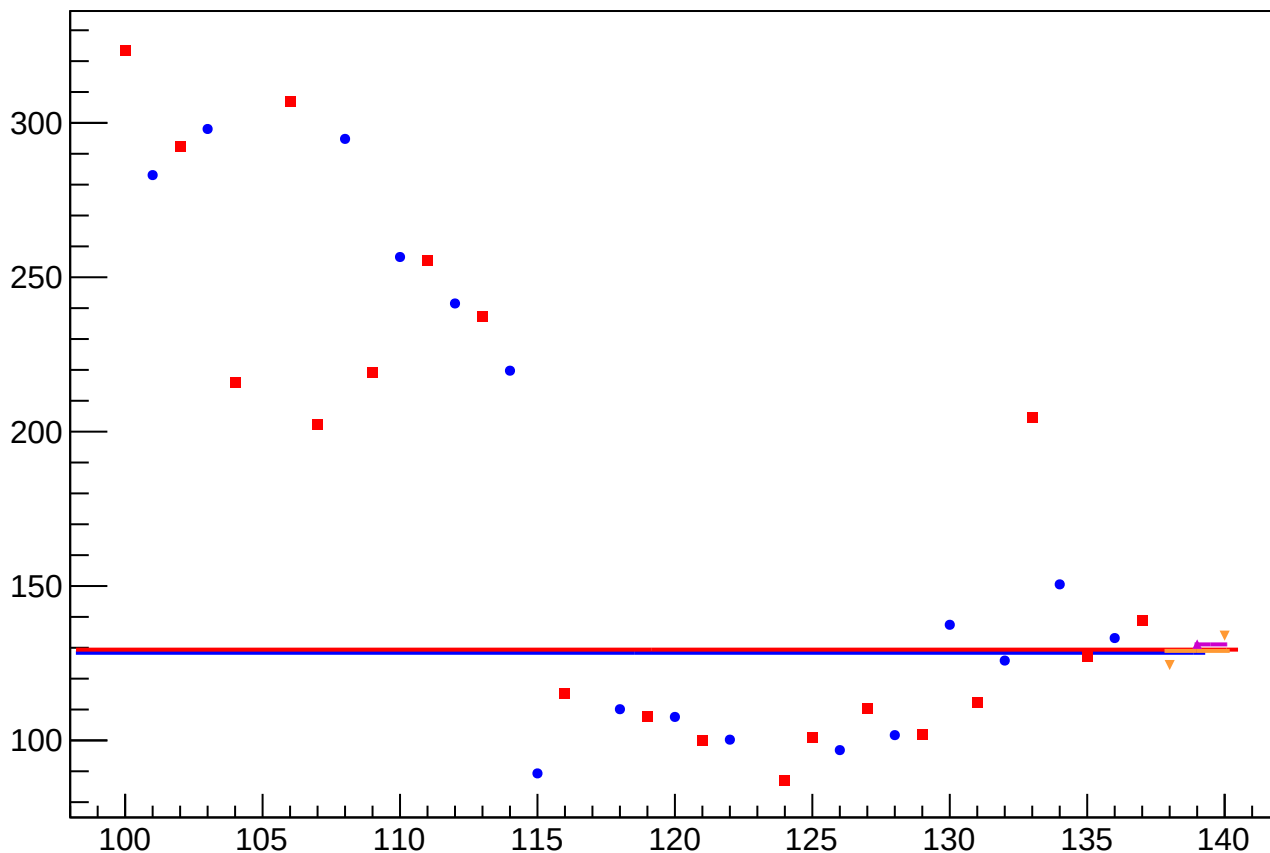
Left In: -0.206 ± 0.143 χ^2/NDF : 0.0/0

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: -0.008 ± 0.033 χ^2/NDF : 32.2/37

- sign 0.032 ± 0.049 χ^2/NDF : 17.2/19

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 0.037 χ^2 /NDF: 1805078.6/15

Left Out: 128.992 $\pm$ 0.072 χ^2 /NDF: 4375.1/1

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

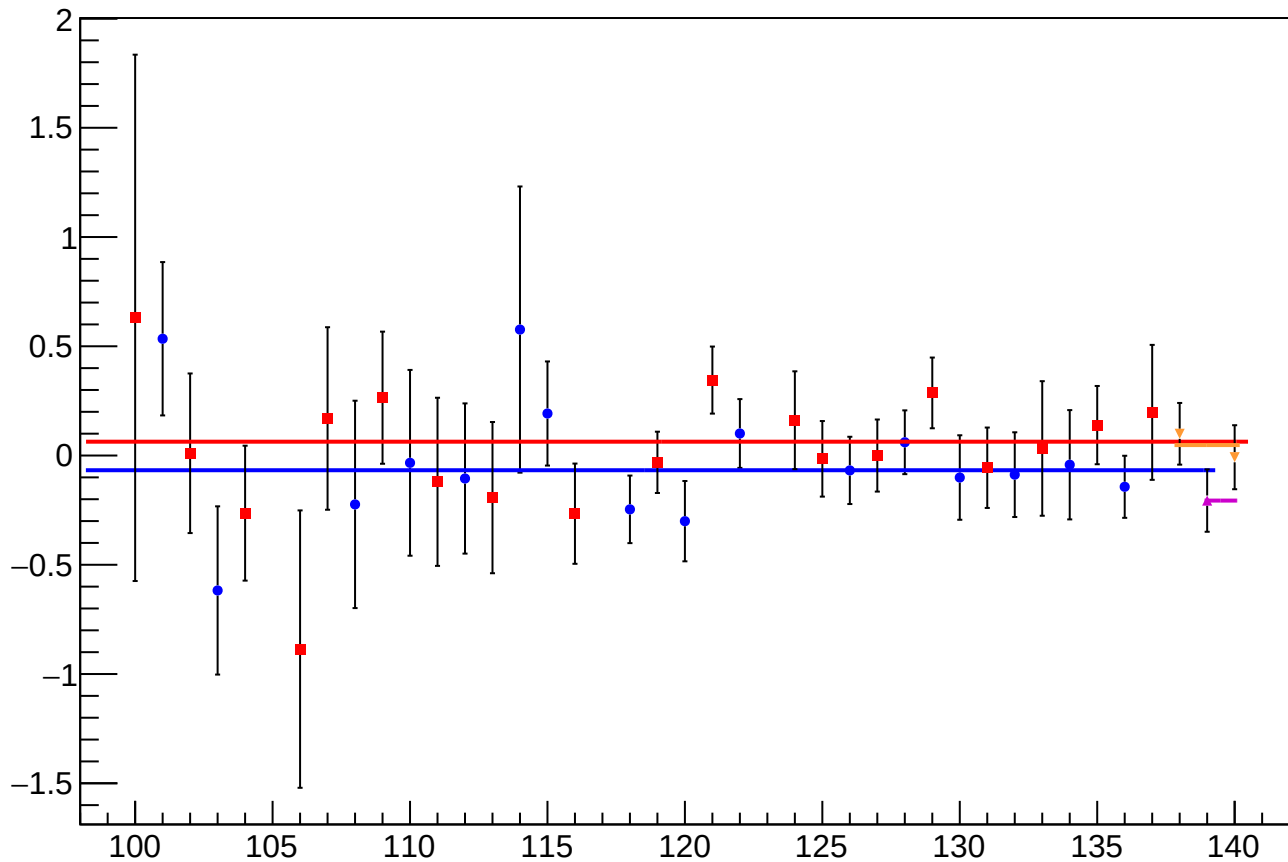
Left In: 131.094 $\pm$ 0.101 χ^2 /NDF: 0.0/0

+ sign 128.506 $\pm$ 0.033 χ^2 /NDF: 1809511.4/17

All: 129.023 $\pm$ 0.024 χ^2 /NDF: 3698561.4/37

- sign 129.595 $\pm$ 0.034 χ^2 /NDF: 1888521.0/19

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.048 ± 0.102 χ^2/NDF : 0.3/1

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

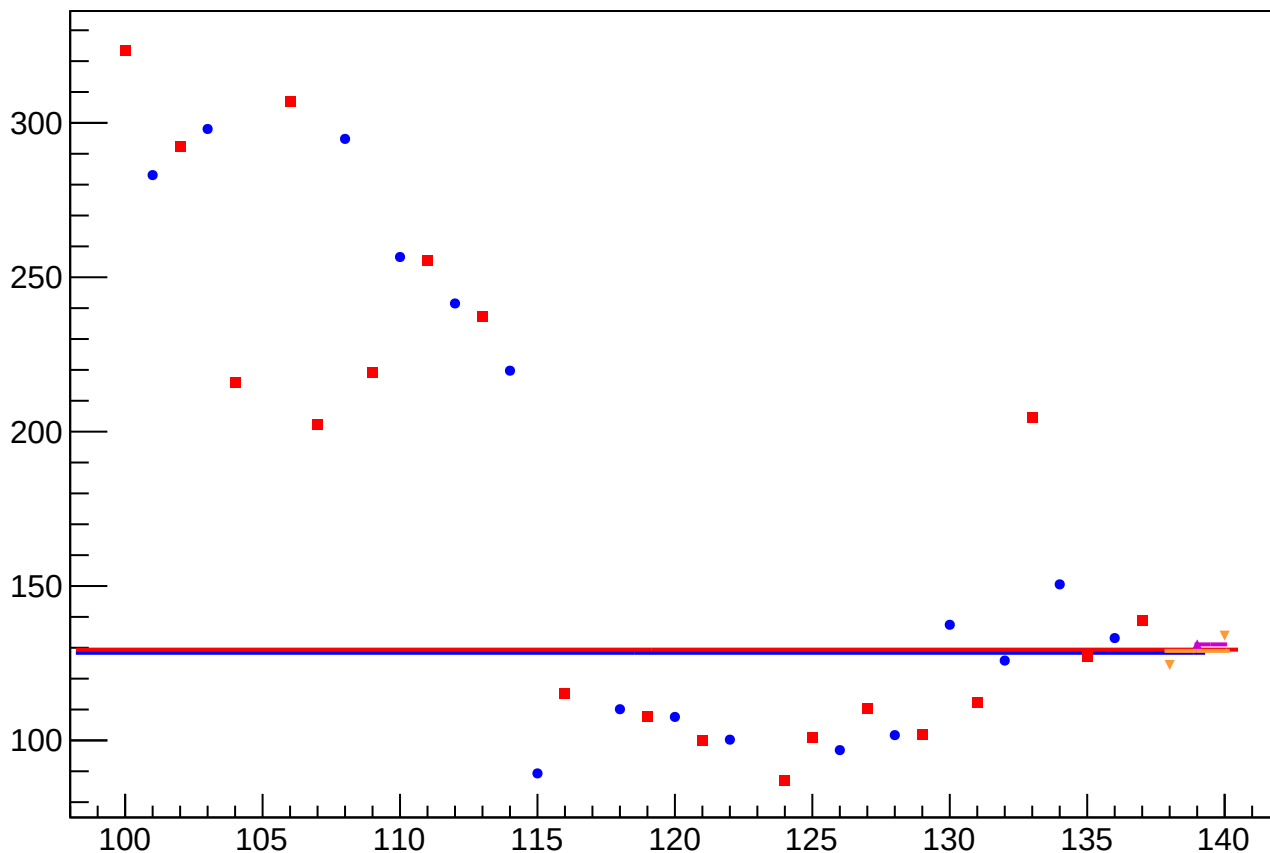
Left In: -0.206 ± 0.143 χ^2/NDF : 0.0/0

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: -0.008 ± 0.033 χ^2/NDF : 32.2/37

- sign 0.032 ± 0.049 χ^2/NDF : 17.2/19

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 0.037 χ^2 /NDF: 1805078.6/15

Left Out: 128.992 $\pm$ 0.072 χ^2 /NDF: 4375.1/1

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

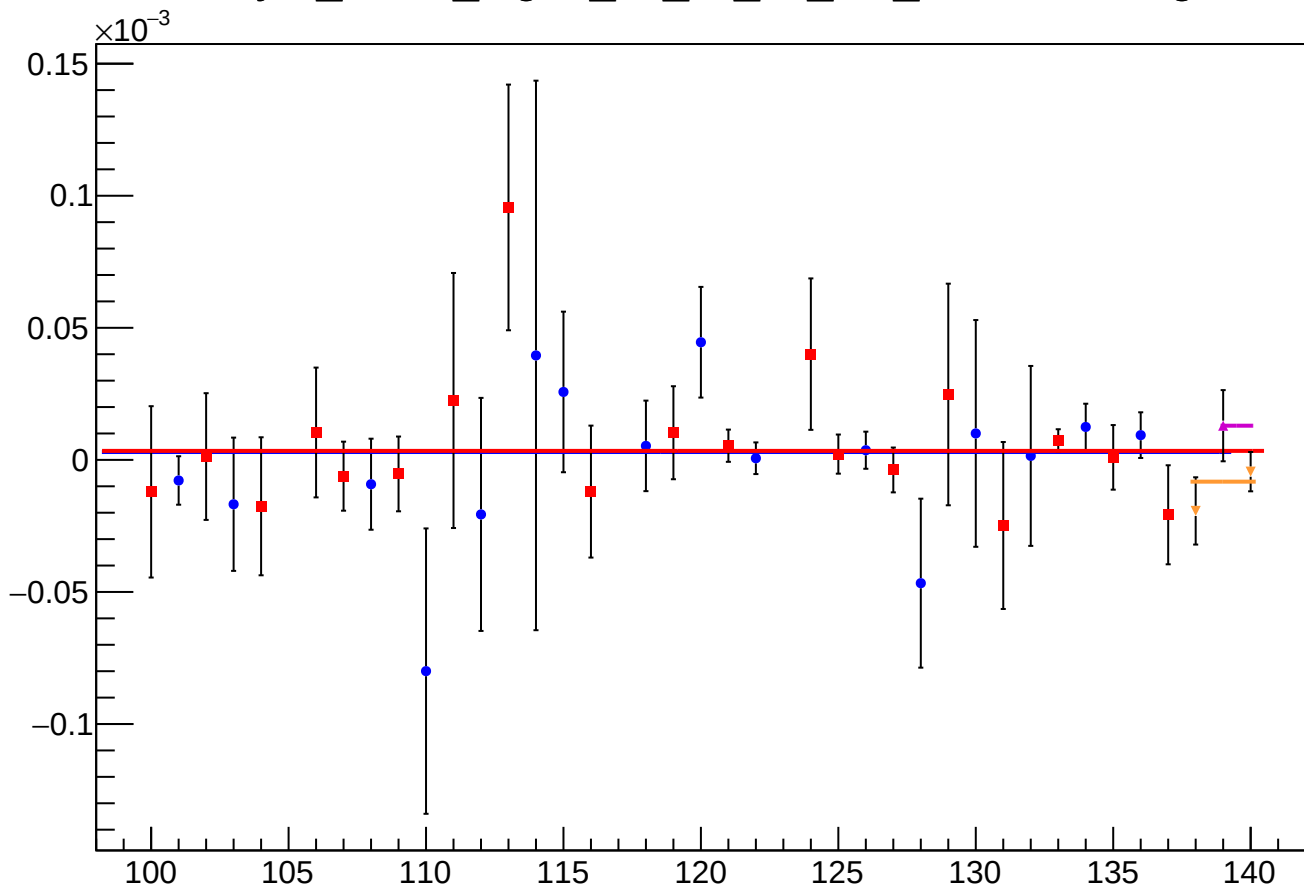
Left In: 131.094 $\pm$ 0.101 χ^2 /NDF: 0.0/0

+ sign 128.506 $\pm$ 0.033 χ^2 /NDF: 1809511.4/17

All: 129.023 $\pm$ 0.024 χ^2 /NDF: 3698561.4/37

- sign 129.595 $\pm$ 0.034 χ^2 /NDF: 1888521.0/19

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 14.1/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.6/18

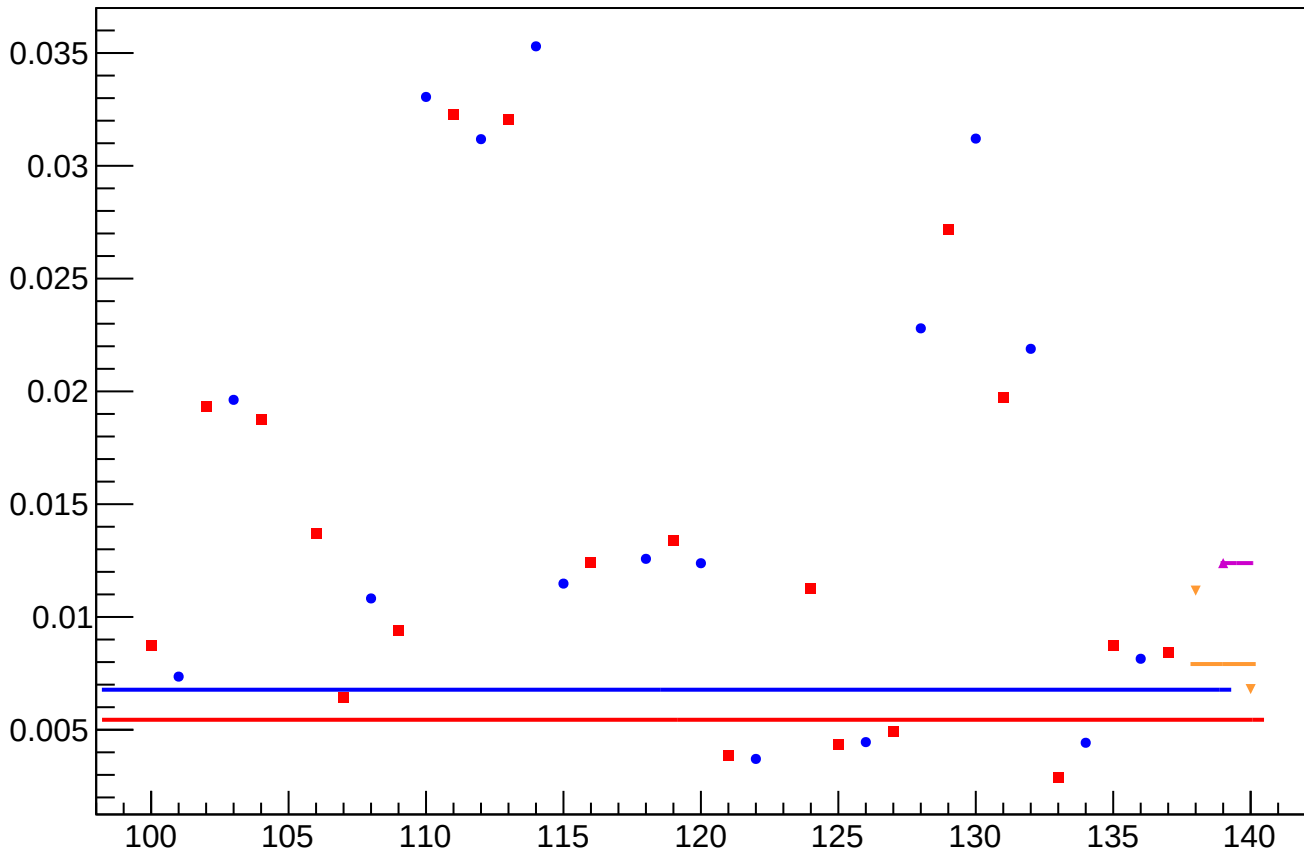
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 17.6/17

All: 0.000 ± 0.000 χ^2/NDF : 31.2/37

- sign 0.000 ± 0.000 χ^2/NDF : 13.1/19

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4772275.3/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:175113.4/1

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 5572364.1/18

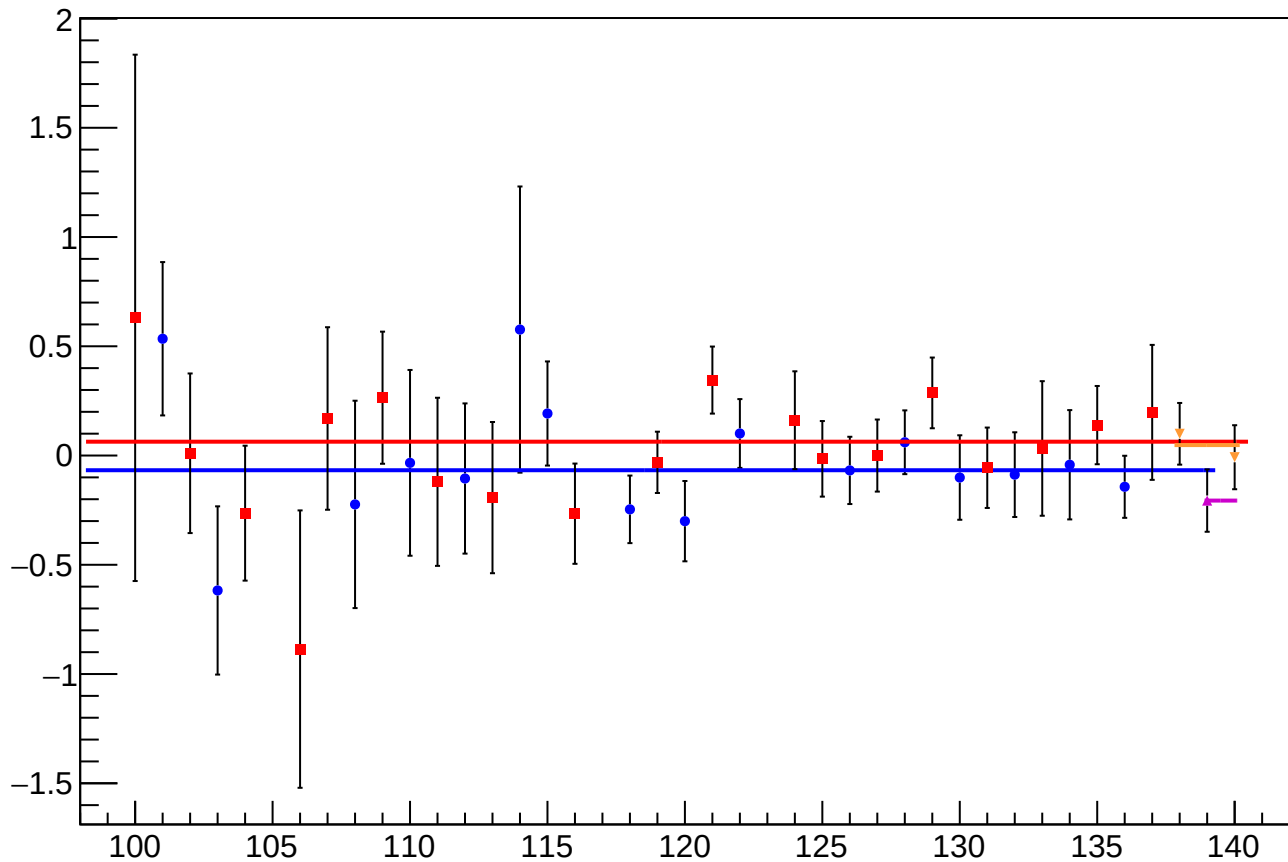
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4998064.0/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 11318018.3/37

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6084765.7/19

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.048 ± 0.102 χ^2/NDF : 0.3/1

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

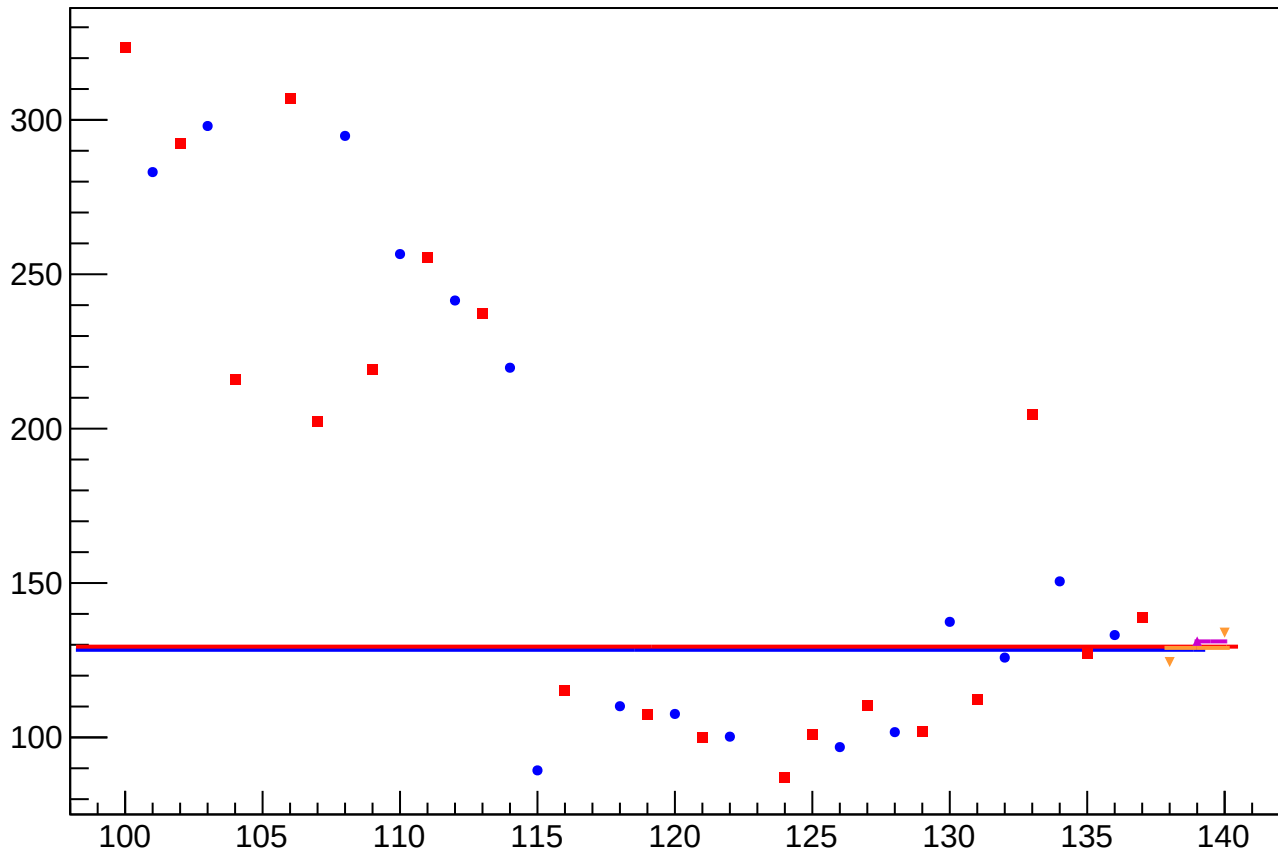
Left In: -0.206 ± 0.143 χ^2/NDF : 0.0/0

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: -0.008 ± 0.033 χ^2/NDF : 32.2/37

- sign 0.032 ± 0.049 χ^2/NDF : 17.2/19

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377 $\pm$ 0.037 χ^2 /NDF: 1805026.7/15

Left Out: 128.992 $\pm$ 0.072 χ^2 /NDF:4377.0/1

Right Out: 129.396 $\pm$ 0.036 χ^2 /NDF: 1888272.8/18

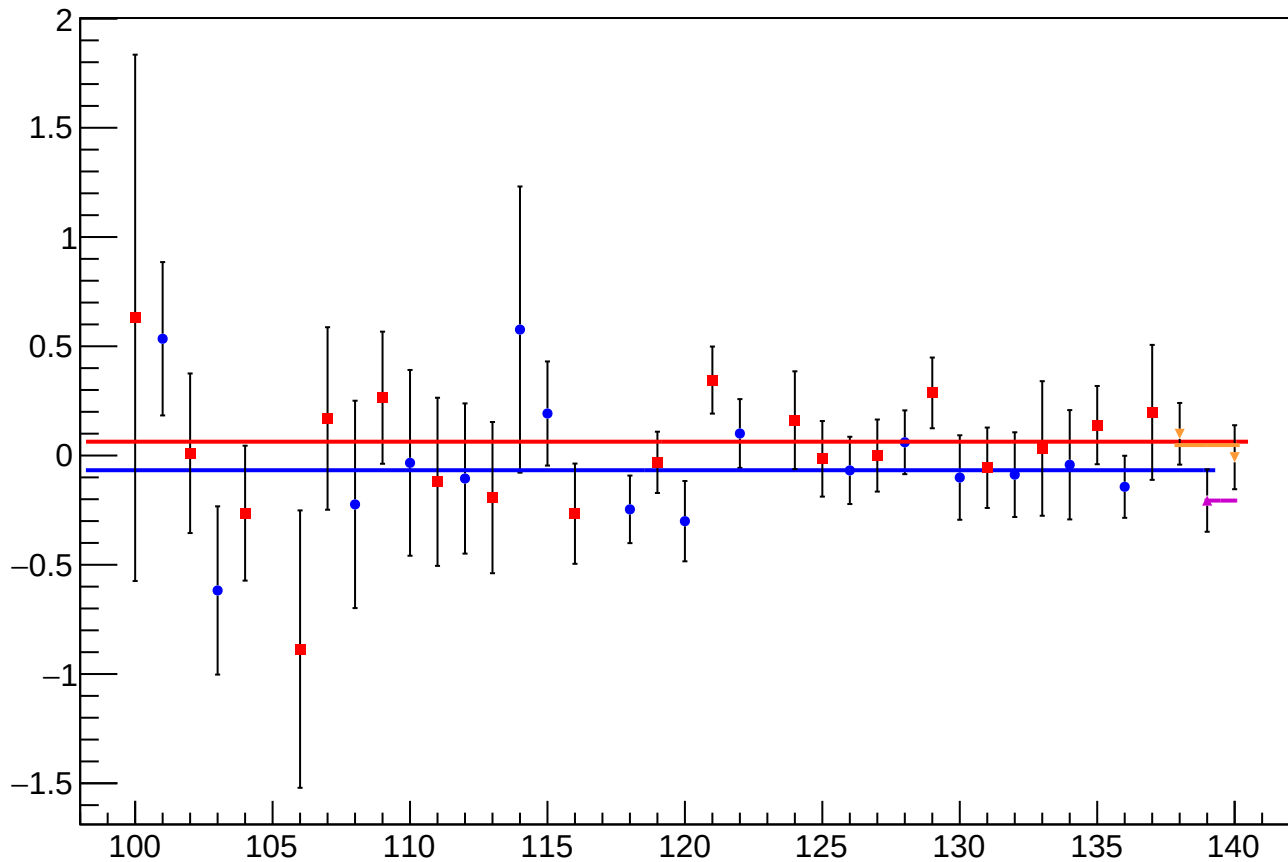
Left In: 131.093 $\pm$ 0.101 χ^2 /NDF:0.0/0

+ sign 128.504 $\pm$ 0.033 χ^2 /NDF: 1809461.9/17

All: 129.020 $\pm$ 0.024 χ^2 /NDF: 3698513.4/37

- sign 129.592 $\pm$ 0.034 χ^2 /NDF: 1888522.9/19

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.048 ± 0.102 χ^2/NDF : 0.3/1

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

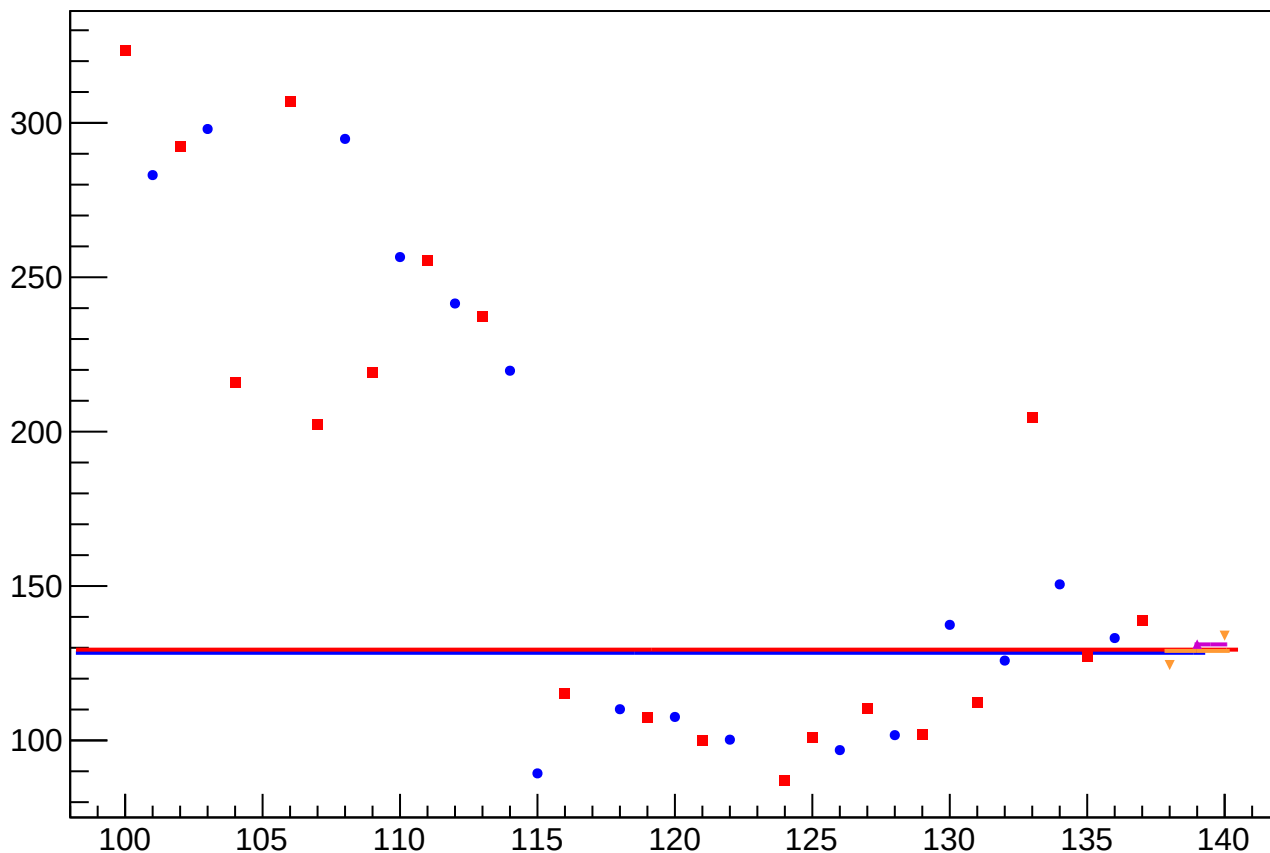
Left In: -0.206 ± 0.143 χ^2/NDF : 0.0/0

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: -0.008 ± 0.033 χ^2/NDF : 32.2/37

- sign 0.032 ± 0.049 χ^2/NDF : 17.2/19

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377 $\pm$ 0.037 χ^2 /NDF: 1805026.7/15

Left Out: 128.992 $\pm$ 0.072 χ^2 /NDF:4377.0/1

Right Out: 129.396 $\pm$ 0.036 χ^2 /NDF: 1888272.8/18

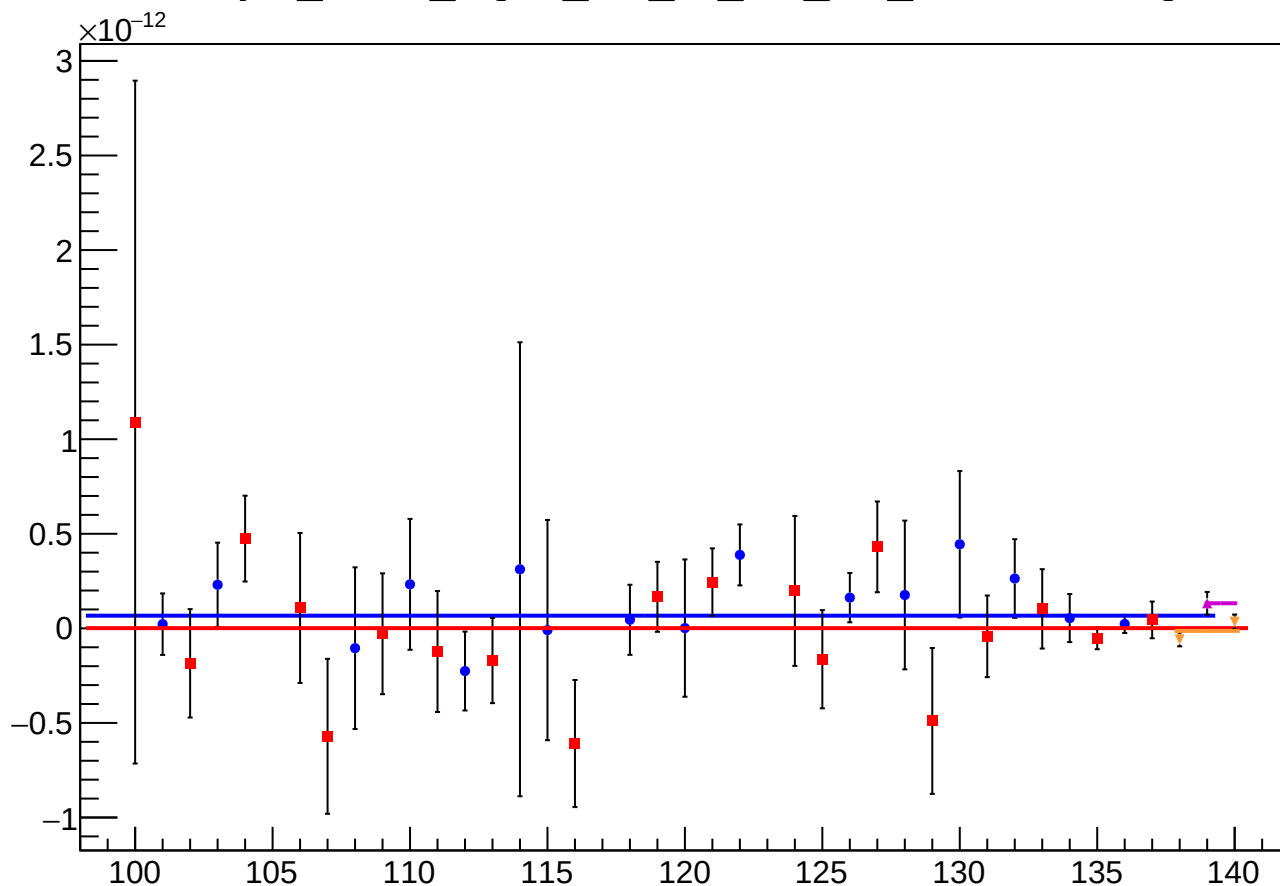
Left In: 131.093 $\pm$ 0.101 χ^2 /NDF:0.0/0

+ sign 128.504 $\pm$ 0.033 χ^2 /NDF: 1809461.9/17

All: 129.020 $\pm$ 0.024 χ^2 /NDF: 3698513.4/37

- sign 129.592 $\pm$ 0.034 χ^2 /NDF: 1888522.9/19

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 10.4/15$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 3.1/1$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 20.7/18$

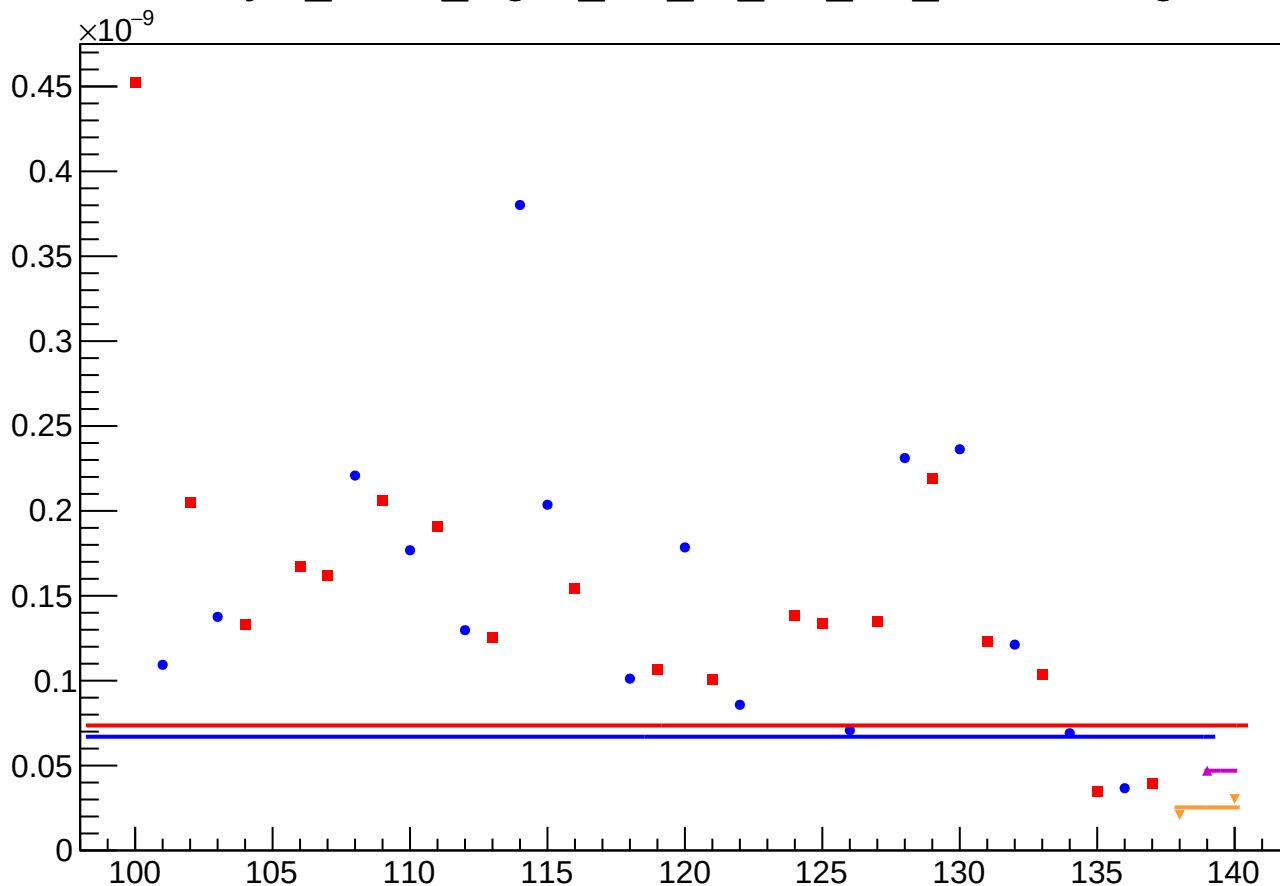
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 16.6/17$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 41.1/37$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 24.0/19$

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 62302.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3653663.9/18

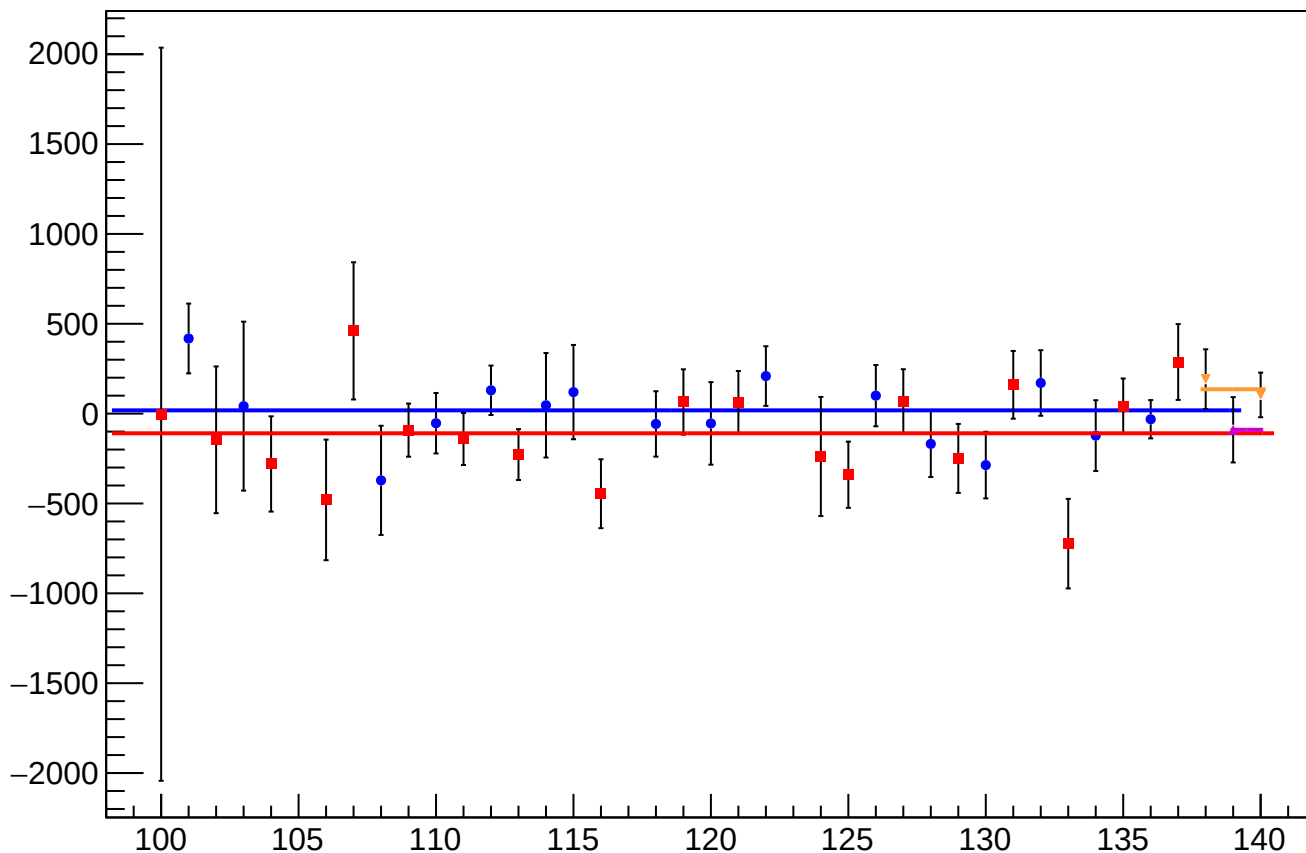
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4966862.1/17

All: 0.000+/-0.000 χ^2/NDF : 9747857.1/37

- sign 0.000+/-0.000 χ^2/NDF : 3929907.8/19

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF : 13.9/15

Left Out: 135.544+/-99.463 χ^2/NDF : 0.2/1

Right Out: -109.432+/-45.825 χ^2/NDF : 25.5/18

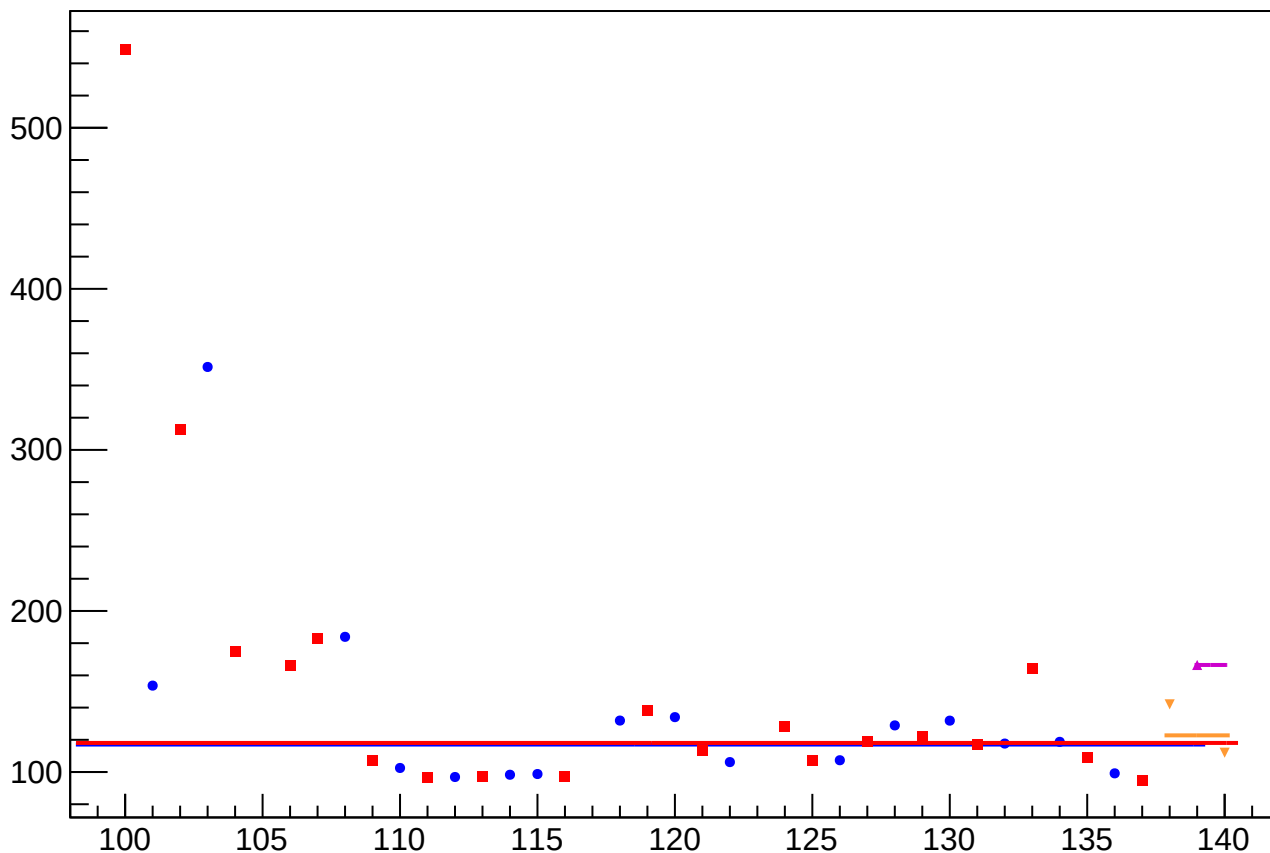
Left In: -89.975+/-181.756 χ^2/NDF : 0.0/0

+ sign 38.661+/-41.529 χ^2/NDF : 15.2/17

All: -29.845+/-30.341 χ^2/NDF : 46.5/37

- sign -108.270+/-44.434 χ^2/NDF : 25.5/19

reg_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858400.8/15

Left Out: 122.765 $\pm$ 0.070 χ^2 /NDF: 41947.5/1

Right Out: 118.057 $\pm$ 0.032 χ^2 /NDF: 990748.0/18

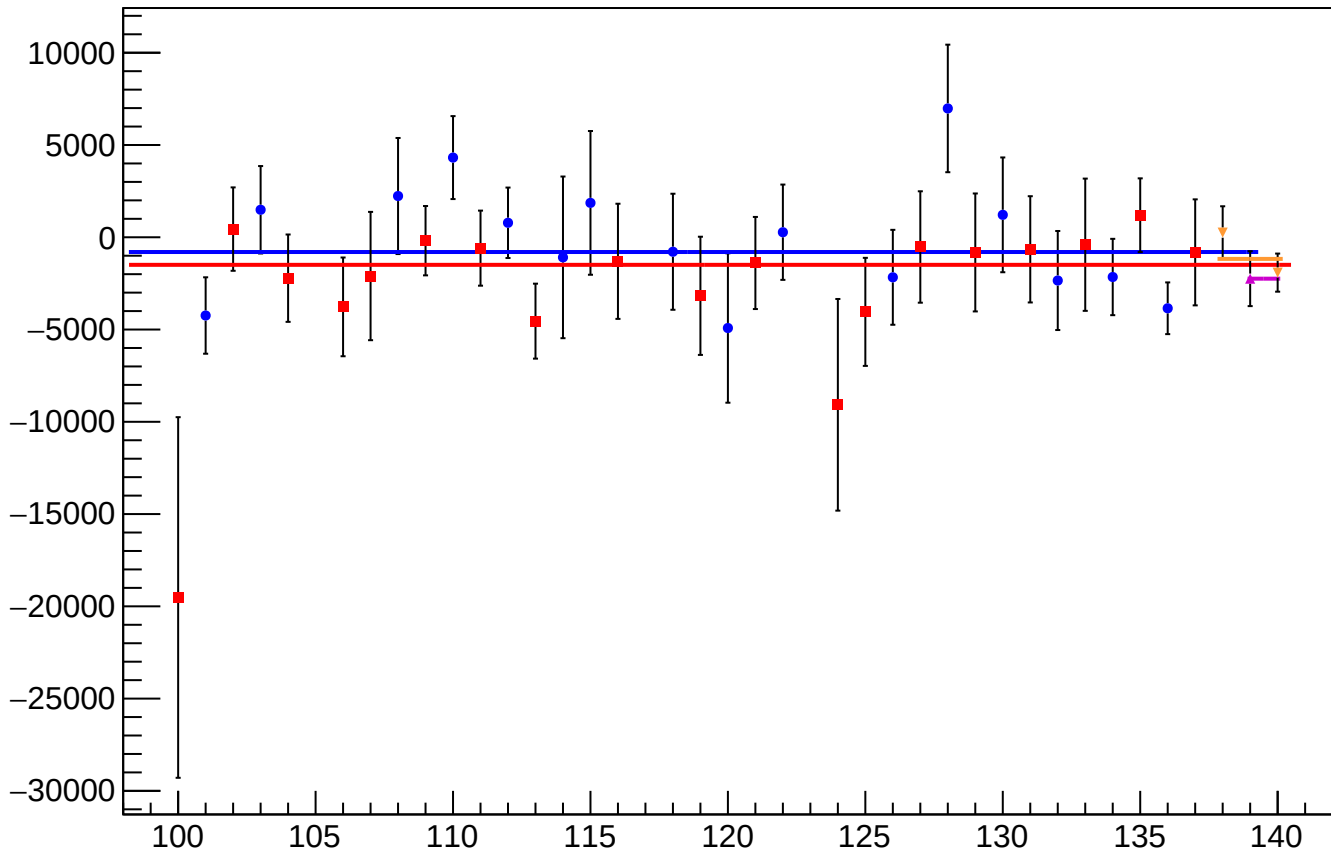
Left In: 166.467 $\pm$ 0.129 χ^2 /NDF: 0.0/0

+ sign 118.057 $\pm$ 0.029 χ^2 /NDF: 905776.7/17

All: 119.406 $\pm$ 0.021 χ^2 /NDF: 2034453.4/37

- sign 120.951 $\pm$ 0.031 χ^2 /NDF: 1124148.2/19

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF : 23.4/15

Left Out: -1172.283+/-836.659 χ^2/NDF : 1.5/1

Right Out: -1493.897+/-613.097 χ^2/NDF : 12.9/18

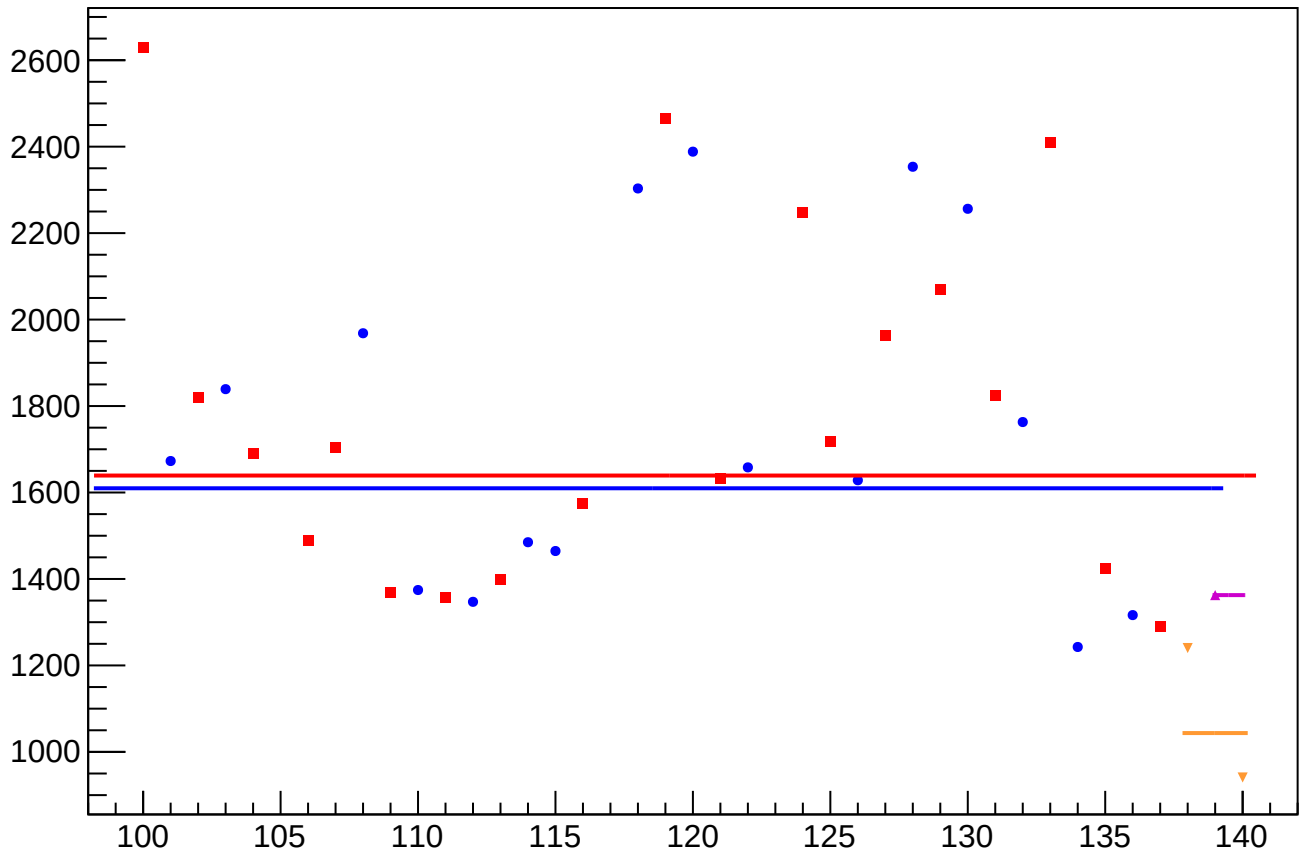
Left In: -2243.742+/-1486.997 χ^2/NDF : 0.0/0

+ sign -930.307+/-496.057 χ^2/NDF : 25.1/17

All: -1222.005+/-373.289 χ^2/NDF : 39.0/37

- sign -1602.846+/-566.809 χ^2/NDF : 13.1/19

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782 $\pm$ 0.436 χ^2 /NDF: 619129.2/15

Left Out: 1043.557 $\pm$ 0.592 χ^2 /NDF: 57744.0/1

Right Out: 1639.241 $\pm$ 0.434 χ^2 /NDF: 520182.2/18

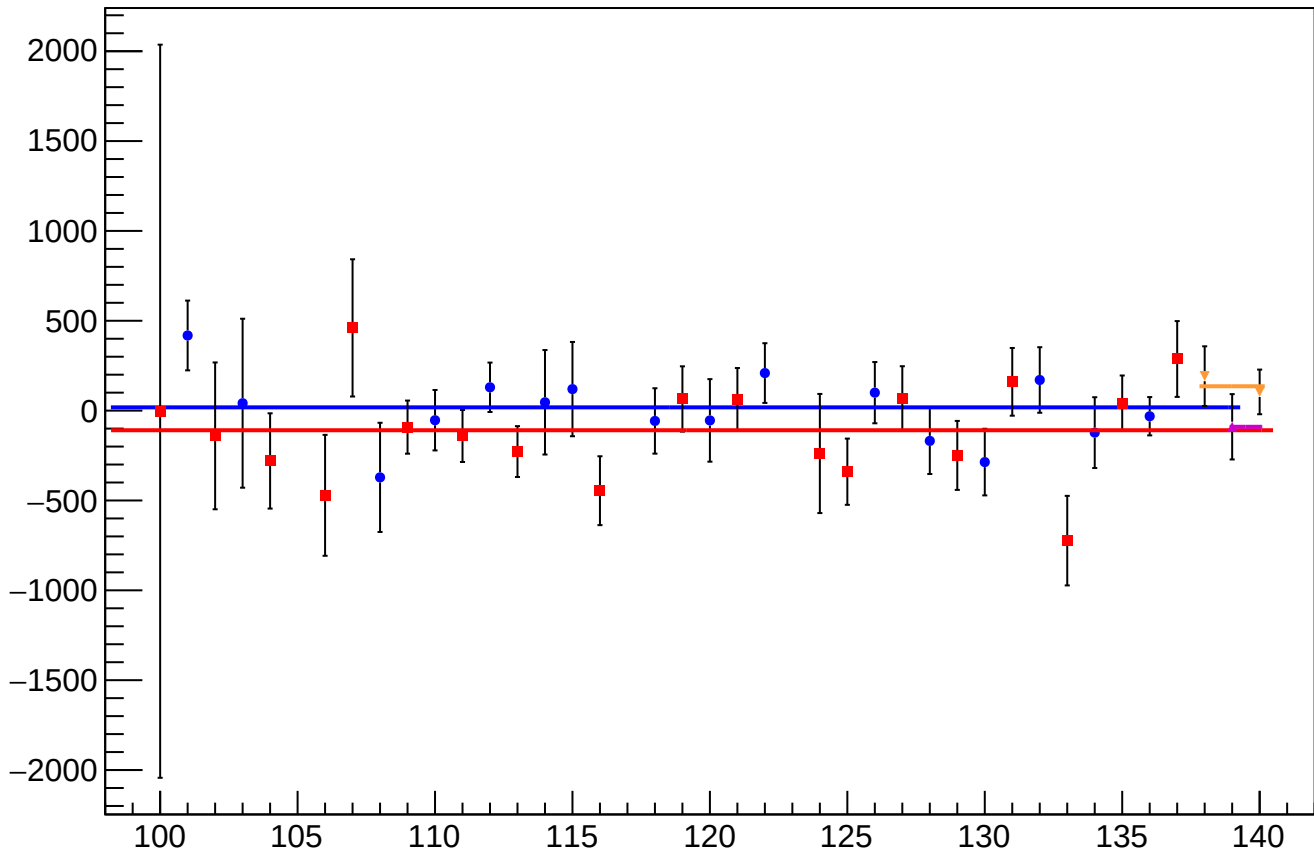
Left In: 1362.664 $\pm$ 1.051 χ^2 /NDF: 0.0/0

+ sign 1410.735 $\pm$ 0.351 χ^2 /NDF: 1270889.1/17

All: 1492.415 $\pm$ 0.264 χ^2 /NDF: 1975226.6/37

- sign 1599.055 $\pm$ 0.401 χ^2 /NDF: 579318.8/19

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF : 13.9/15

Left Out: 135.563+/-99.463 χ^2/NDF : 0.2/1

Right Out: -109.151+/-45.828 χ^2/NDF : 25.4/18

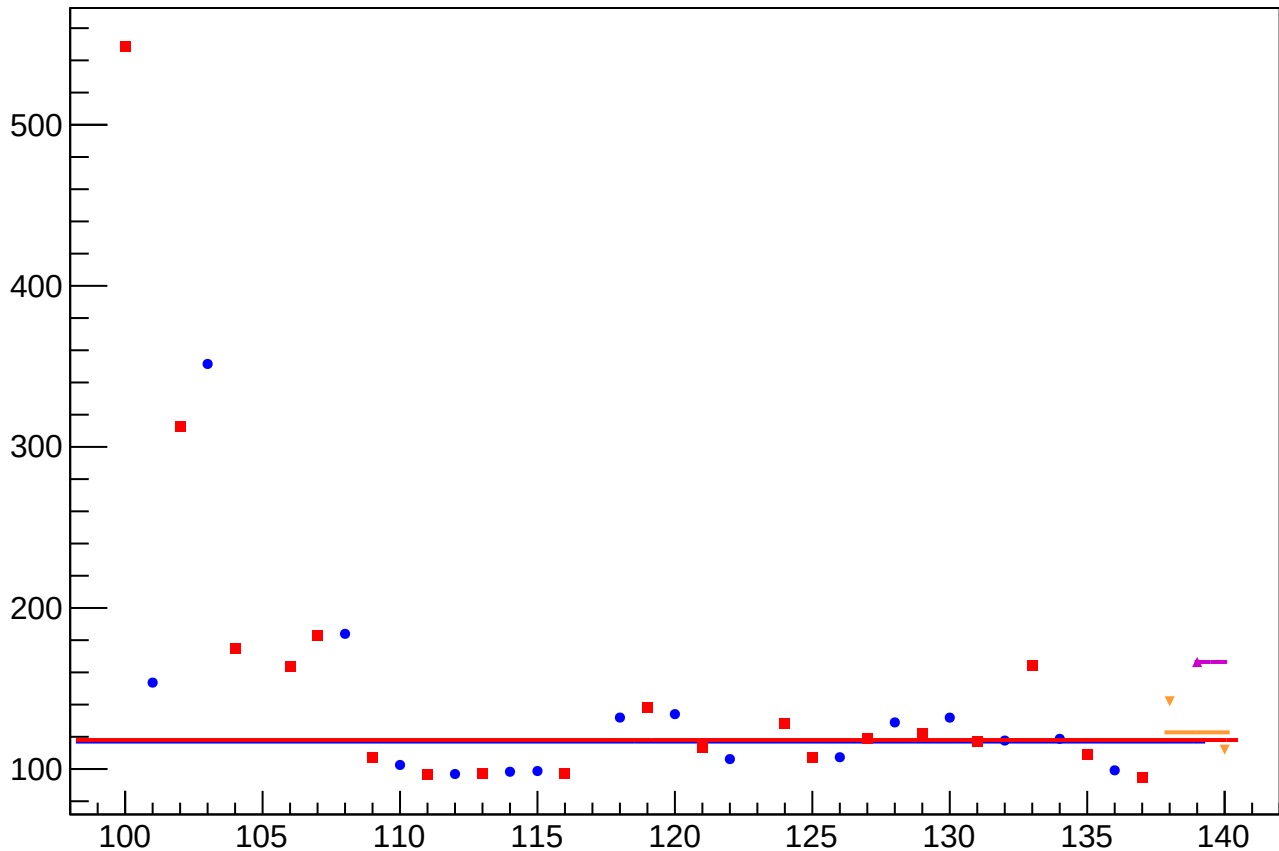
Left In: -89.988+/-181.756 χ^2/NDF : 0.0/0

+ sign 38.653+/-41.529 χ^2/NDF : 15.2/17

All: -29.721+/-30.342 χ^2/NDF : 46.4/37

- sign -108.005+/-44.437 χ^2/NDF : 25.4/19

cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 122.765 $\pm$ 0.070 χ^2 /NDF: 41947.5/1

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

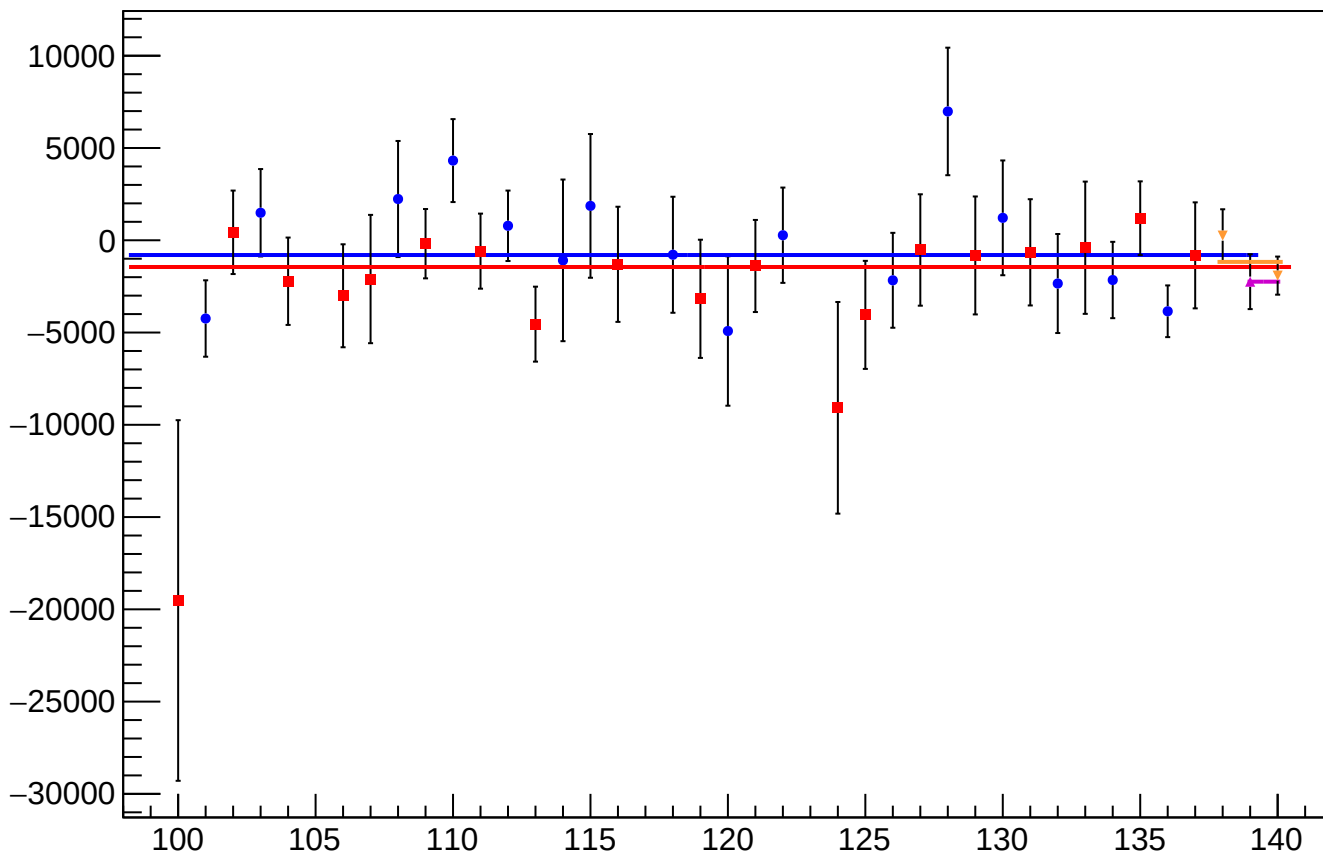
Left In: 166.467 $\pm$ 0.129 χ^2 /NDF: 0.0/0

+ sign 118.057 $\pm$ 0.029 χ^2 /NDF: 905778.8/17

All: 119.383 $\pm$ 0.021 χ^2 /NDF: 2030395.6/37

- sign 120.902 $\pm$ 0.031 χ^2 /NDF: 1120238.6/19

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116 ± 616.014 χ^2/NDF : 23.4/15

Left Out: -1172.259 ± 836.659 χ^2/NDF : 1.5/1

Right Out: -1448.433 ± 614.443 χ^2/NDF : 12.5/18

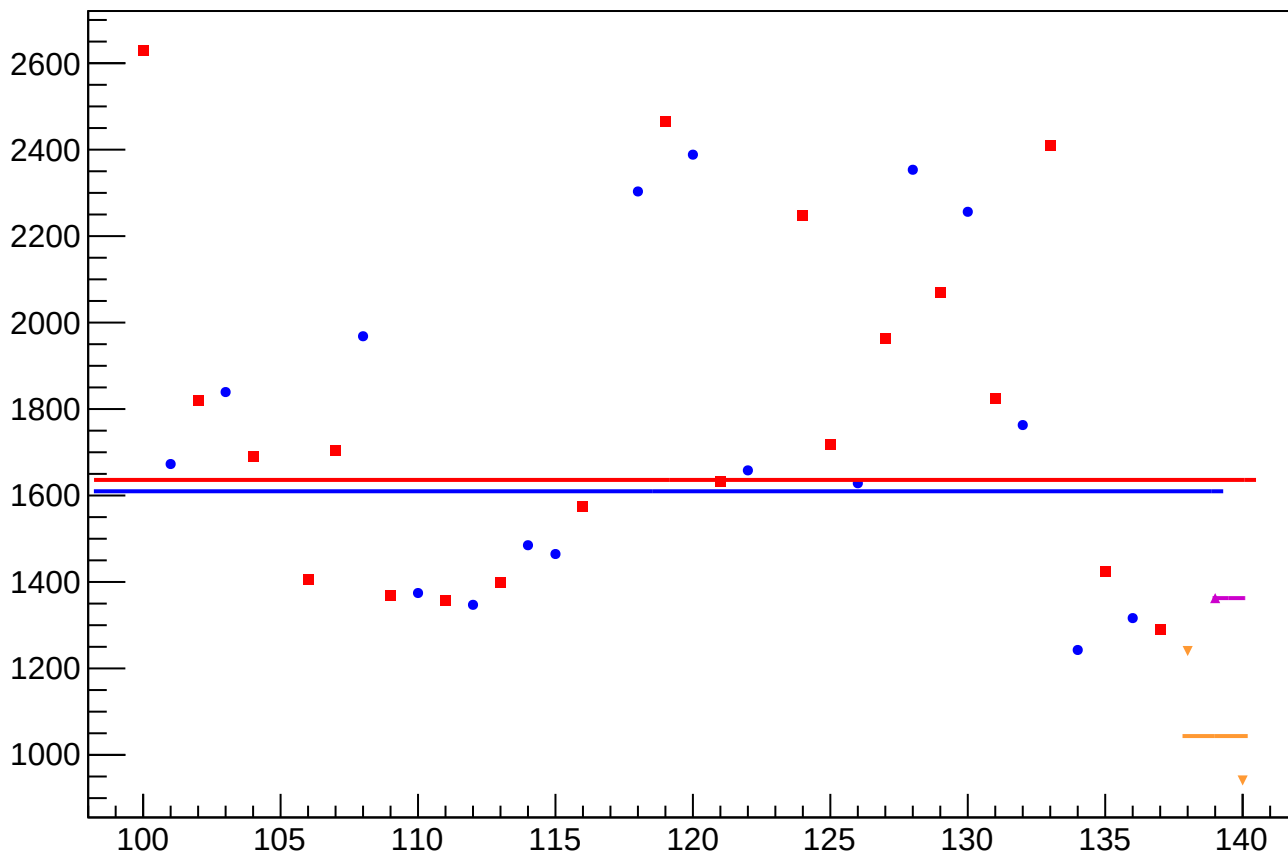
Left In: -2243.759 ± 1486.996 χ^2/NDF : 0.0/0

+ sign -930.289 ± 496.059 χ^2/NDF : 25.1/17

All: -1204.748 ± 373.593 χ^2/NDF : 38.5/37

- sign -1564.425 ± 567.872 χ^2/NDF : 12.7/19

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF : 57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

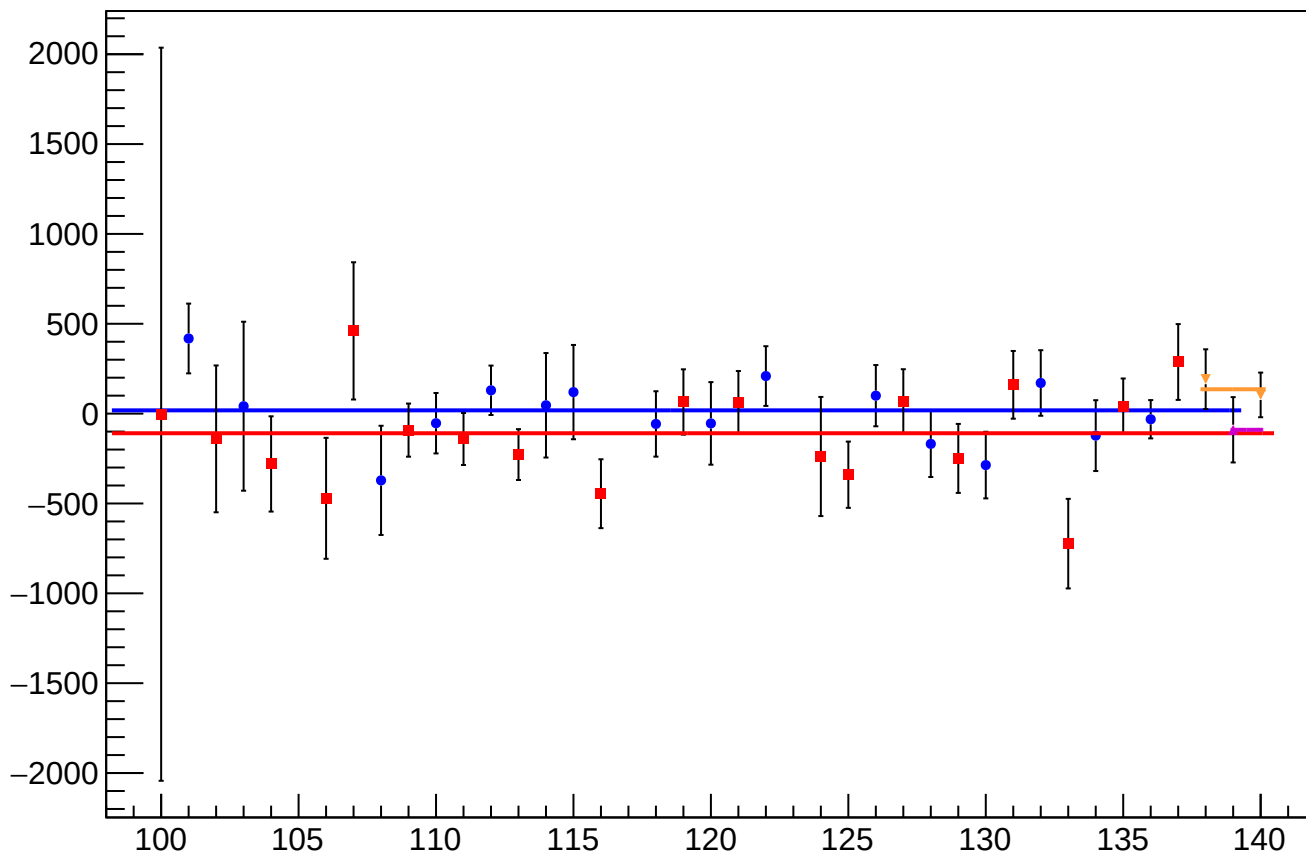
Left In: 1362.663+/-1.051 χ^2/NDF : 0.0/0

+ sign 1410.739+/-0.351 χ^2/NDF : 1270936.5/17

All: 1490.997+/-0.264 χ^2/NDF : 1977449.5/37

- sign 1596.175+/-0.402 χ^2/NDF : 585551.8/19

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191 $\pm$ 45.704 χ^2 /NDF: 13.9/15

Left Out: 135.563 $\pm$ 99.463 χ^2 /NDF: 0.2/1

Right Out: -109.151 $\pm$ 45.828 χ^2 /NDF: 25.4/18

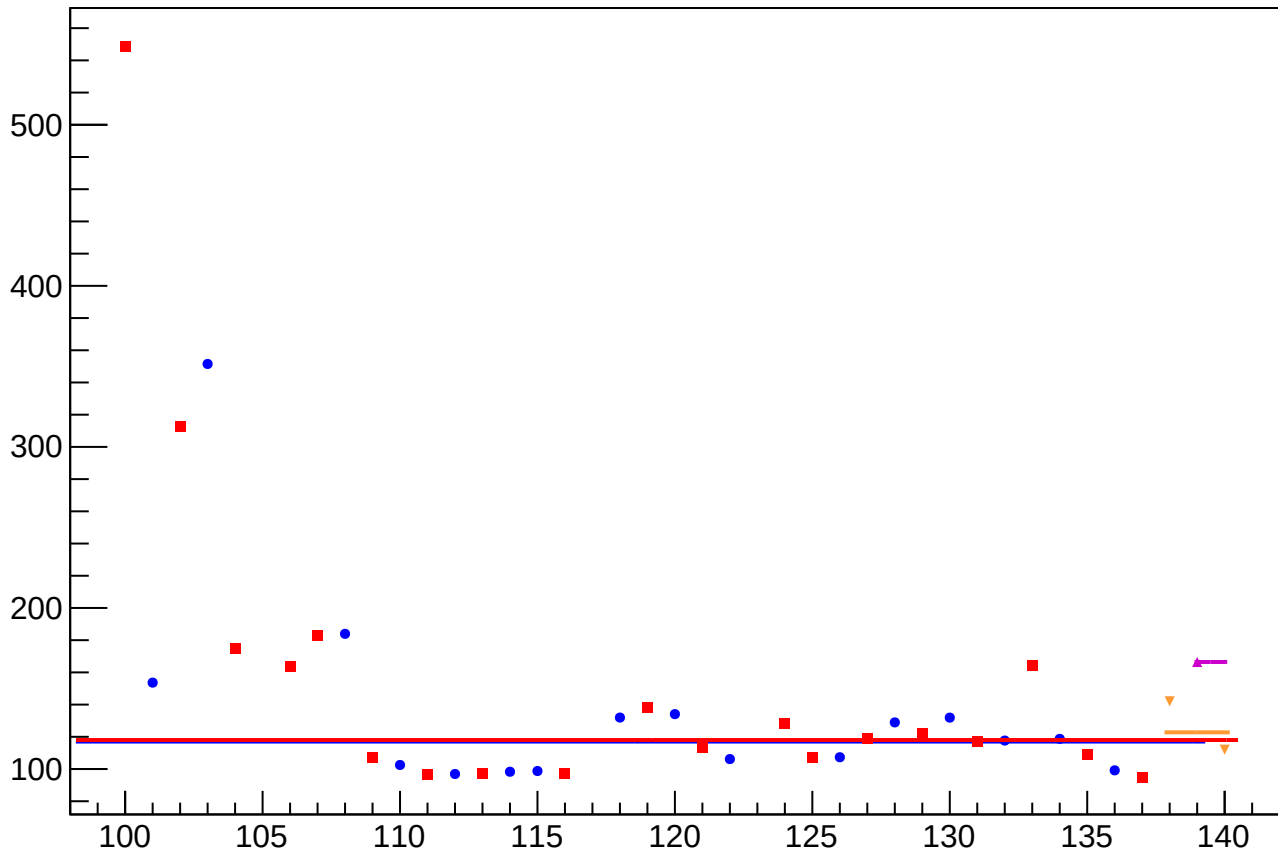
Left In: -89.988 $\pm$ 181.756 χ^2 /NDF: 0.0/0

+ sign 38.653 $\pm$ 41.529 χ^2 /NDF: 15.2/17

All: -29.721 $\pm$ 30.342 χ^2 /NDF: 46.4/37

- sign -108.005 $\pm$ 44.437 χ^2 /NDF: 25.4/19

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 122.765 $\pm$ 0.070 χ^2 /NDF: 41947.5/1

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

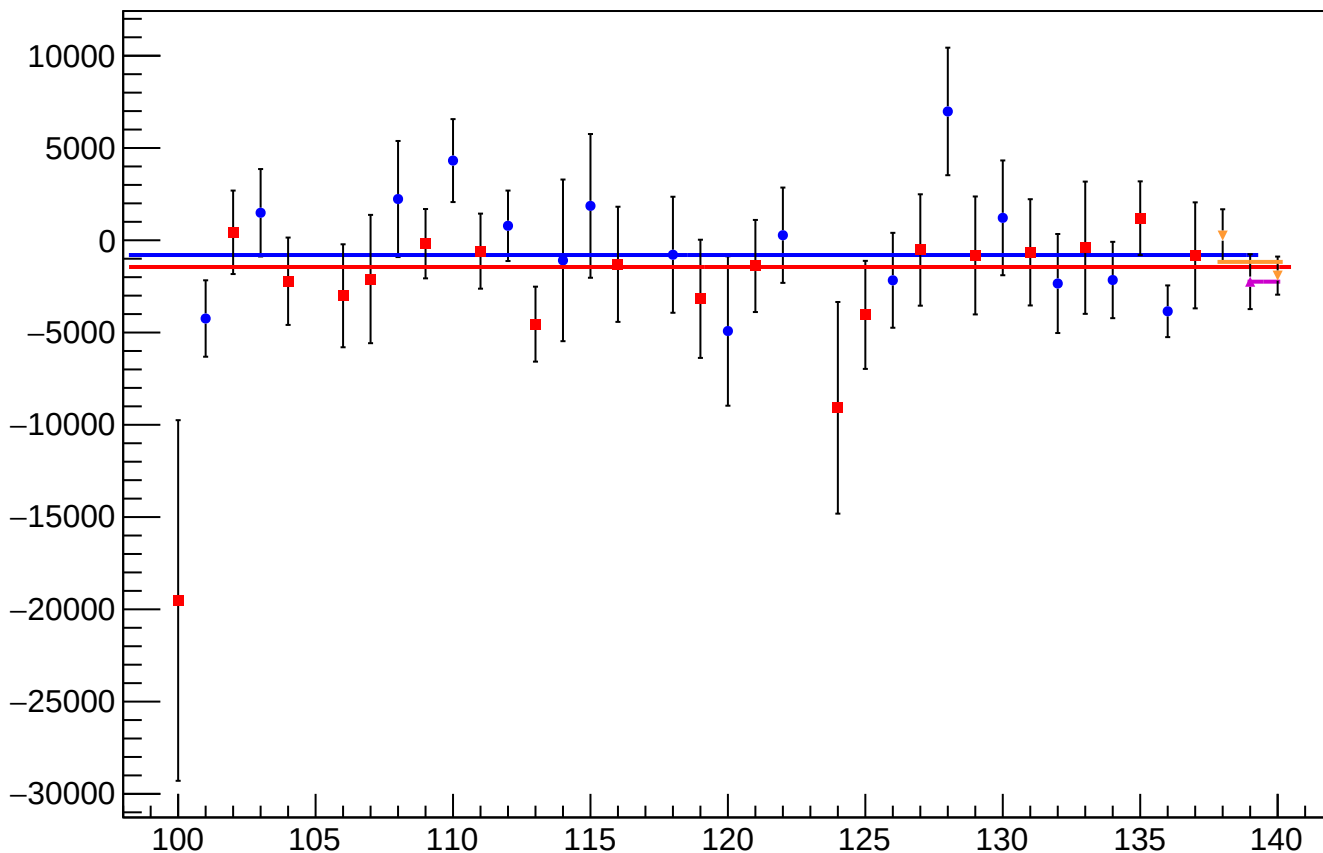
Left In: 166.467 $\pm$ 0.129 χ^2 /NDF: 0.0/0

+ sign 118.057 $\pm$ 0.029 χ^2 /NDF: 905778.8/17

All: 119.383 $\pm$ 0.021 χ^2 /NDF: 2030395.6/37

- sign 120.902 $\pm$ 0.031 χ^2 /NDF: 1120238.6/19

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -799.116 ± 616.014 χ^2/NDF : 23.4/15

Left Out: -1172.259 ± 836.659 χ^2/NDF : 1.5/1

Right Out: -1448.433 ± 614.443 χ^2/NDF : 12.5/18

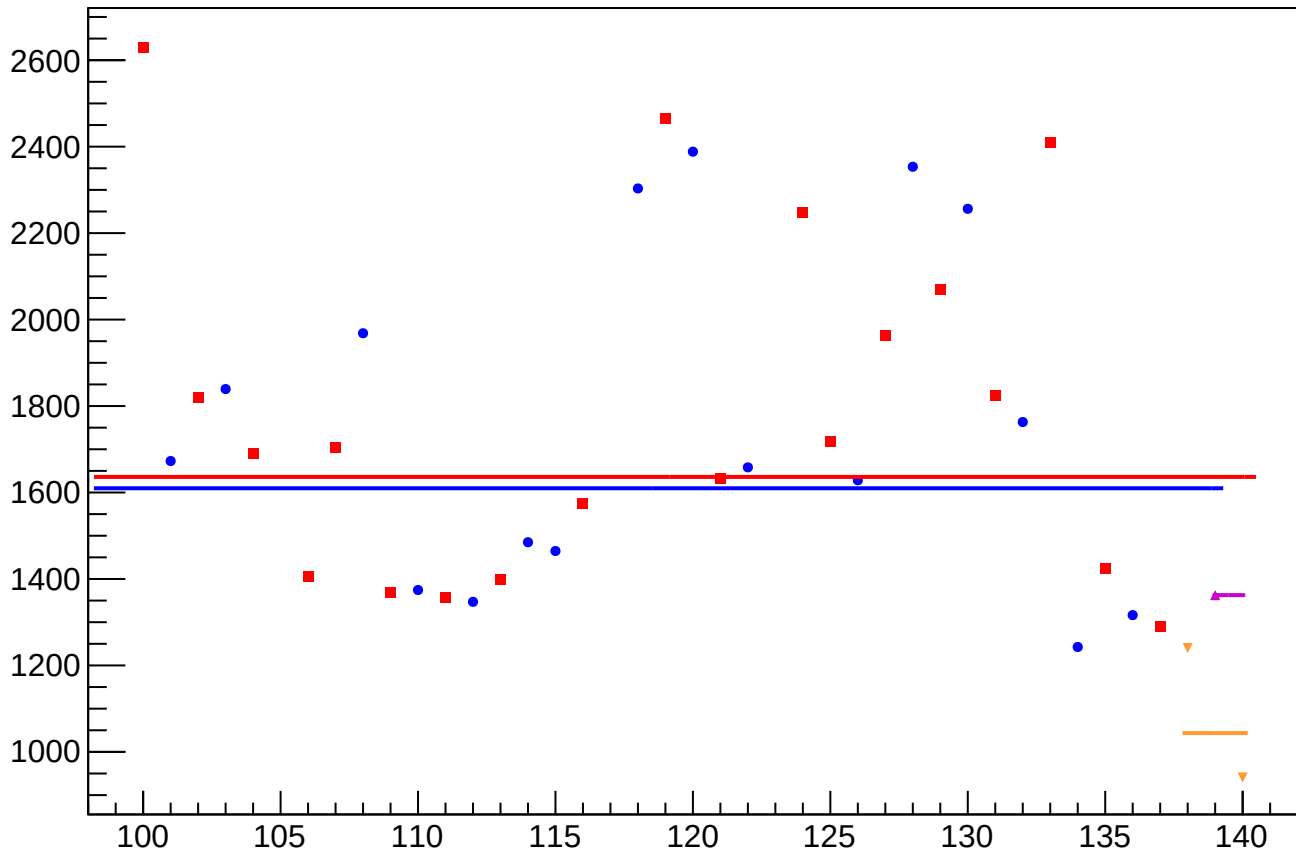
Left In: -2243.759 ± 1486.996 χ^2/NDF : 0.0/0

+ sign -930.289 ± 496.059 χ^2/NDF : 25.1/17

All: -1204.748 ± 373.593 χ^2/NDF : 38.5/37

- sign -1564.425 ± 567.872 χ^2/NDF : 12.7/19

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF : 57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

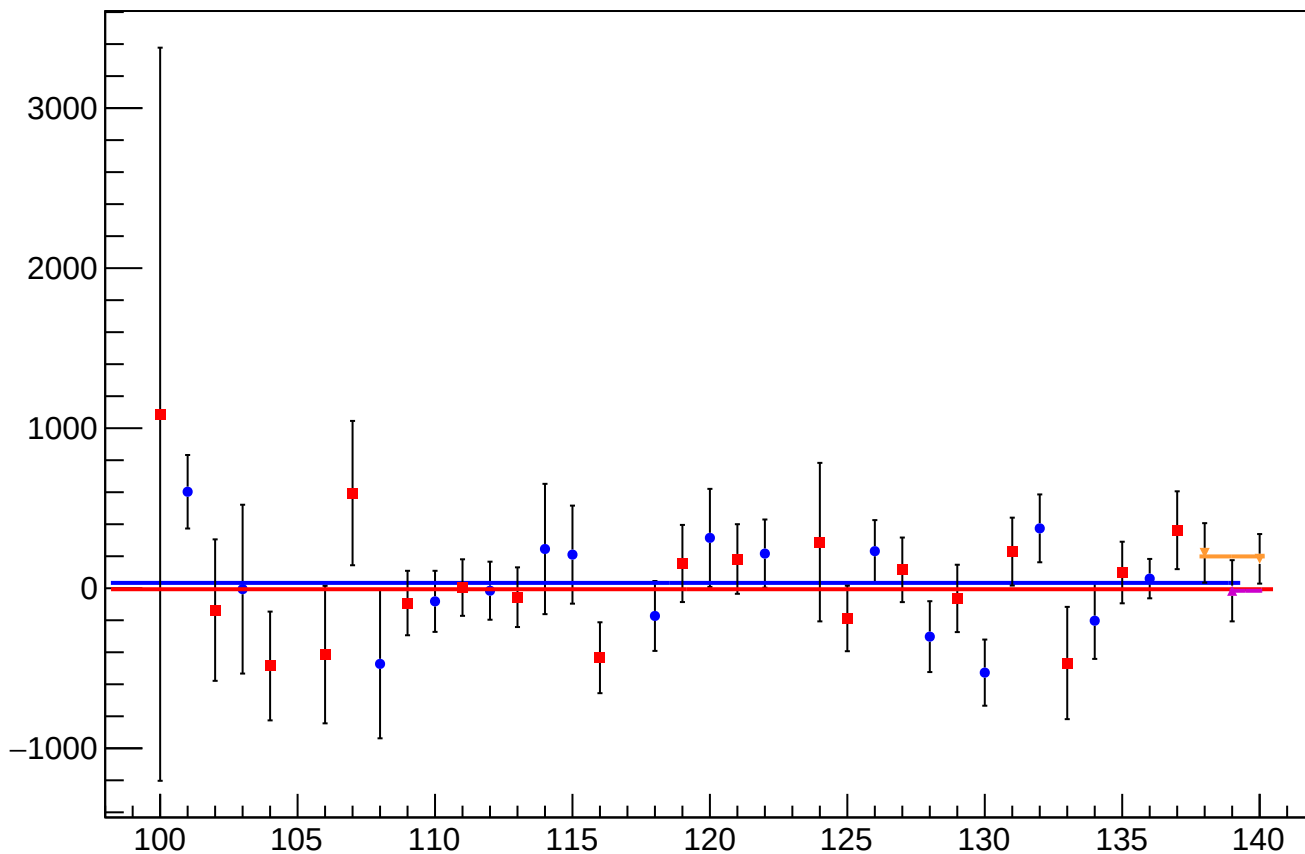
Left In: 1362.663+/-1.051 χ^2/NDF : 0.0/0

+ sign 1410.739+/-0.351 χ^2/NDF : 1270936.5/17

All: 1490.997+/-0.264 χ^2/NDF : 1977449.5/37

- sign 1596.175+/-0.402 χ^2/NDF : 585551.8/19

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF : 25.2/15

Left Out: 198.864+/-119.037 χ^2/NDF : 0.0/1

Right Out: -6.107+/-56.090 χ^2/NDF : 17.3/18

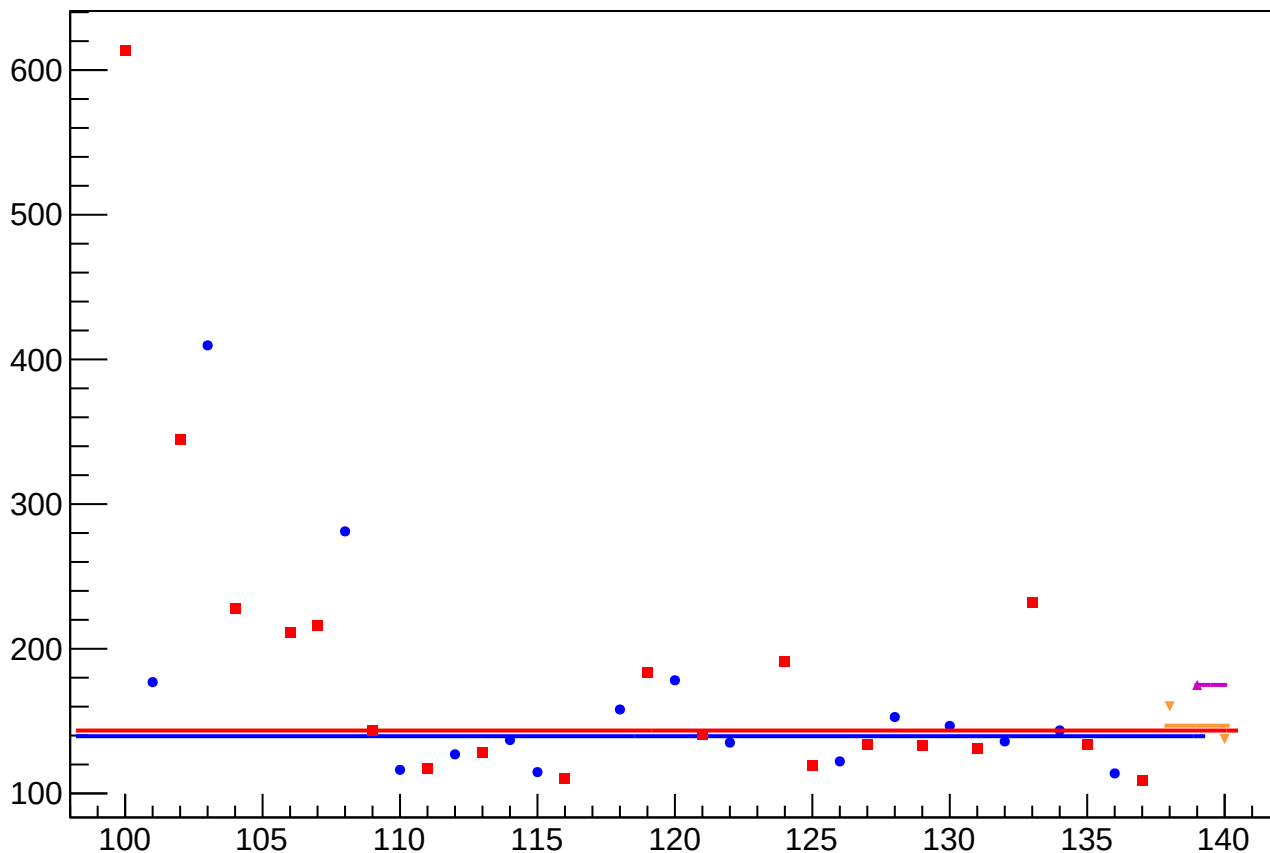
Left In: -15.709+/-191.198 χ^2/NDF : 0.0/0

+ sign 62.487+/-49.859 χ^2/NDF : 26.8/17

All: 30.456+/-36.577 χ^2/NDF : 45.0/37

- sign -6.868+/-53.822 χ^2/NDF : 17.3/19

dit_asym_sam3_rms vs Slug



Right In: 139.566 $\pm$ 0.039 χ^2 /NDF: 976734.6/15

Left Out: 146.844 $\pm$ 0.084 χ^2 /NDF:17503.8/1

Right Out: 143.479 $\pm$ 0.040 χ^2 /NDF: 1116671.9/18

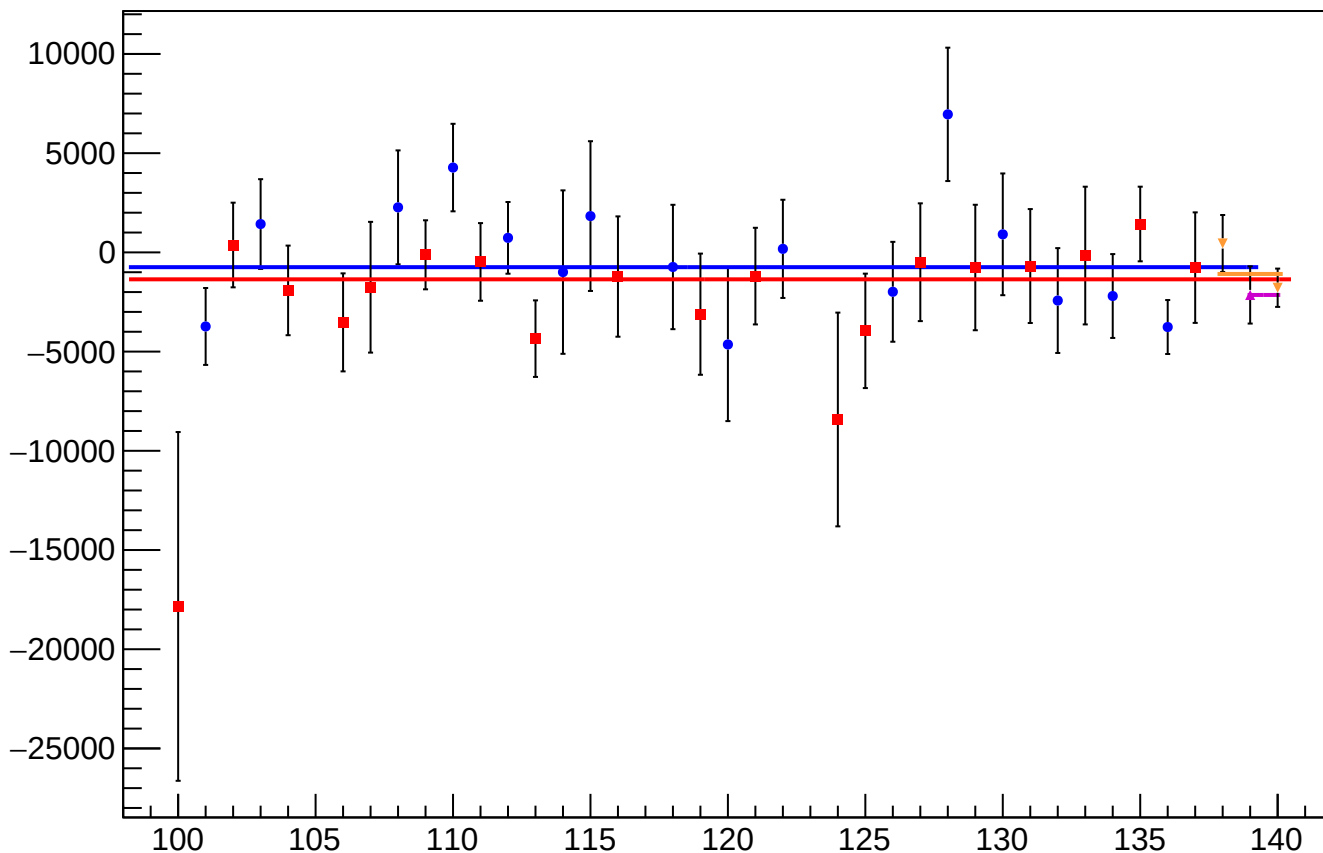
Left In: 175.015 $\pm$ 0.135 χ^2 /NDF:0.0/0

+ sign 140.843 $\pm$ 0.035 χ^2 /NDF: 1000402.2/17

All: 143.215 $\pm$ 0.026 χ^2 /NDF: 2176967.5/37

- sign 145.978 $\pm$ 0.038 χ^2 /NDF: 1166767.9/19

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681 ± 595.810 χ^2/NDF : 23.5/15

Left Out: -1087.293 ± 800.913 χ^2/NDF : 1.7/1

Right Out: -1357.874 ± 585.808 χ^2/NDF : 13.5/18

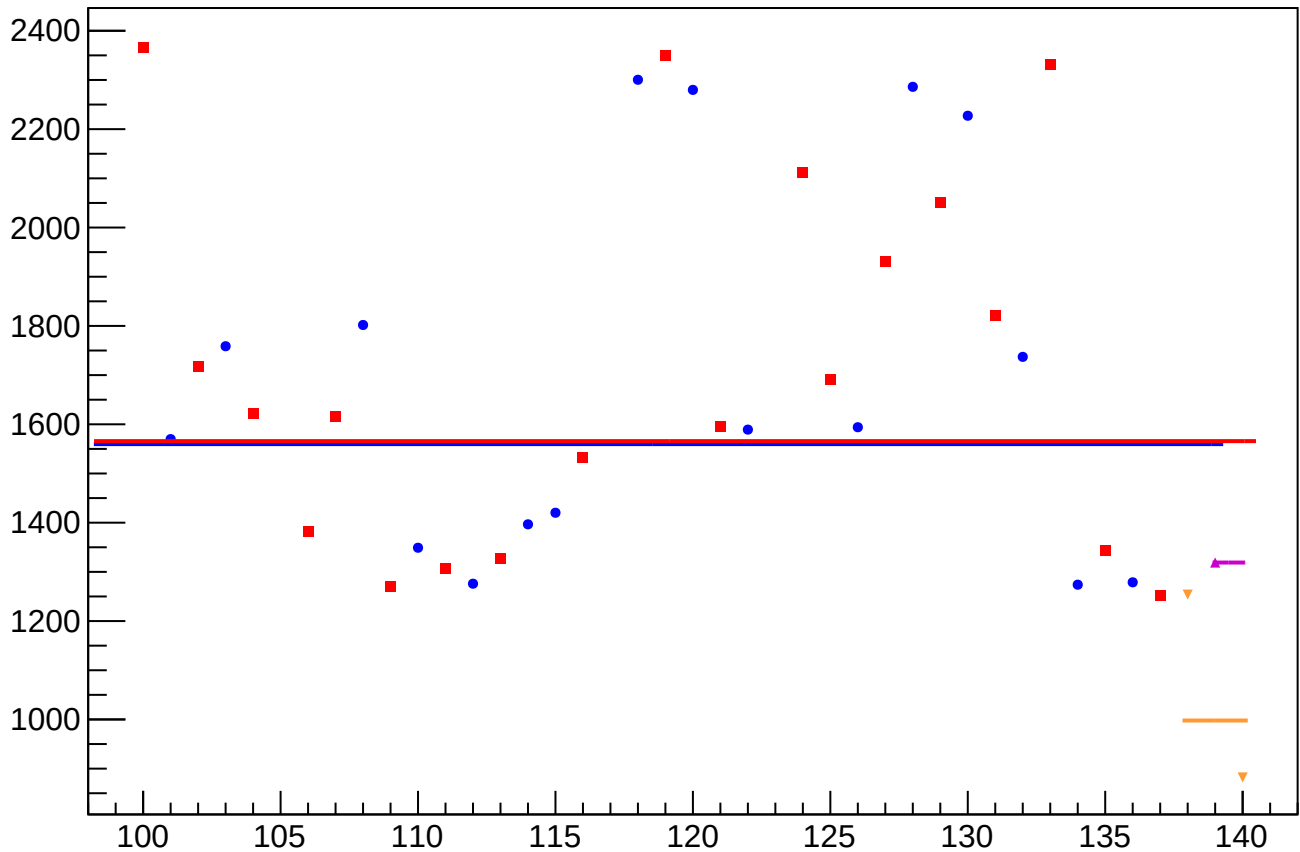
Left In: -2145.716 ± 1441.682 χ^2/NDF : 0.0/0

+ sign -866.738 ± 478.041 χ^2/NDF : 25.2/17

All: -1130.090 ± 358.724 χ^2/NDF : 39.7/37

- sign -1469.520 ± 542.715 χ^2/NDF : 13.8/19

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735 $\pm$ 0.421 χ^2 /NDF: 604209.5/15

Left Out: 997.833 $\pm$ 0.566 χ^2 /NDF: 92399.5/1

Right Out: 1565.808 $\pm$ 0.414 χ^2 /NDF: 563847.8/18

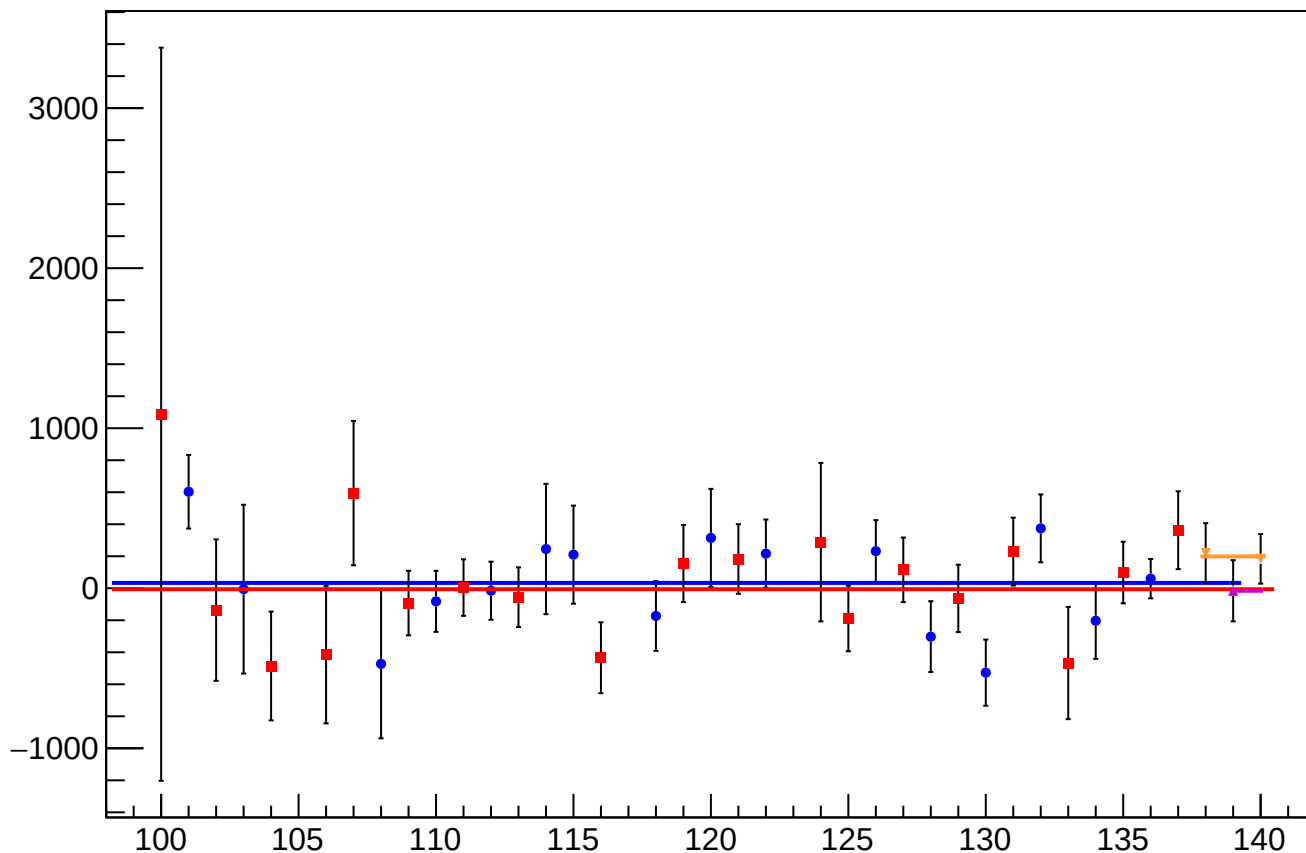
Left In: 1318.962 $\pm$ 1.019 χ^2 /NDF: 0.0/0

+ sign 1359.556 $\pm$ 0.338 χ^2 /NDF: 1330326.7/17

All: 1434.383 $\pm$ 0.254 χ^2 /NDF: 2056660.9/37

- sign 1530.827 $\pm$ 0.384 χ^2 /NDF: 614172.0/19

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF : 25.2/15

Left Out: 198.864+/-119.038 χ^2/NDF : 0.0/1

Right Out: -6.103+/-56.090 χ^2/NDF : 17.3/18

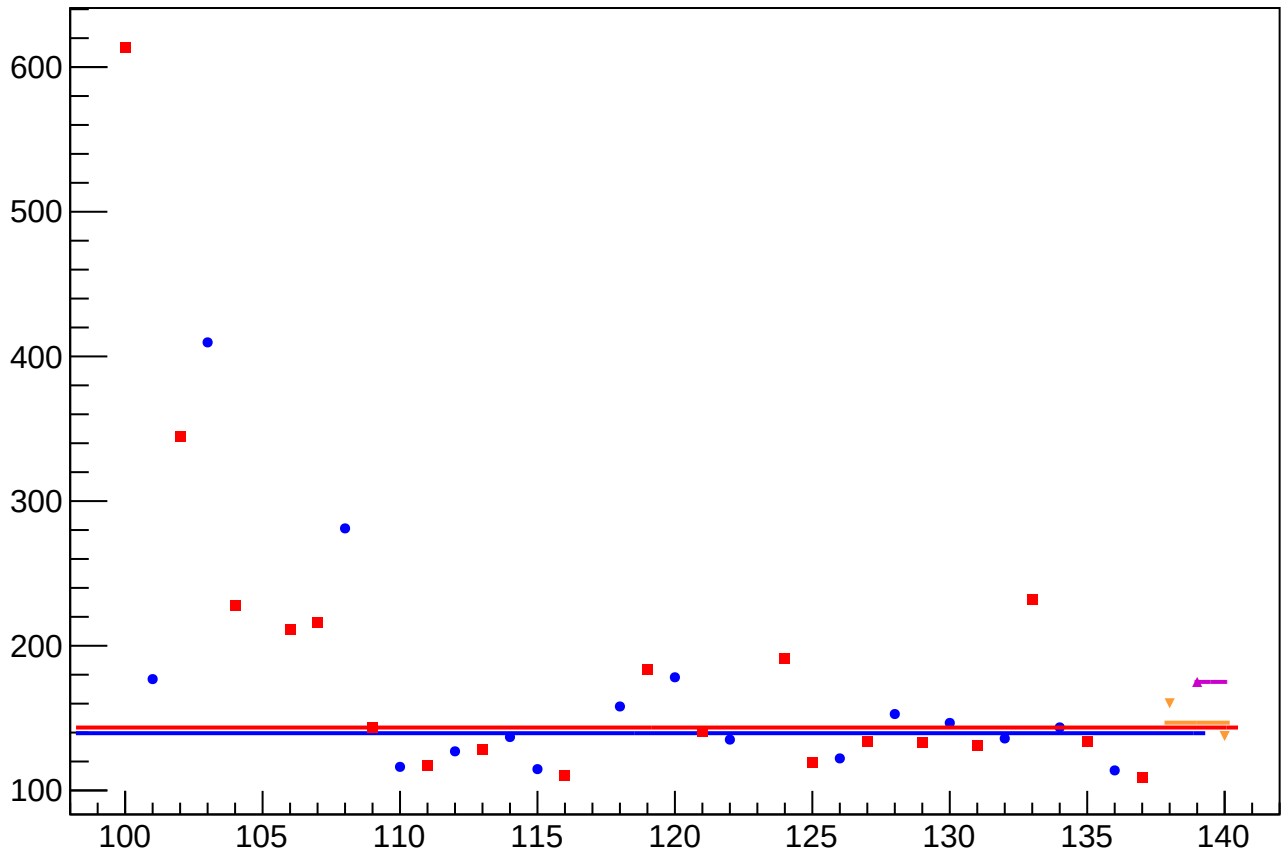
Left In: -15.714+/-191.197 χ^2/NDF : 0.0/0

+ sign 62.486+/-49.859 χ^2/NDF : 26.8/17

All: 30.458+/-36.577 χ^2/NDF : 45.0/37

- sign -6.864+/-53.822 χ^2/NDF : 17.3/19

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567 $\pm$ 0.039 χ^2 /NDF: 976737.0/15

Left Out: 146.844 $\pm$ 0.084 χ^2 /NDF:17503.4/1

Right Out: 143.480 $\pm$ 0.040 χ^2 /NDF: 1116678.4/18

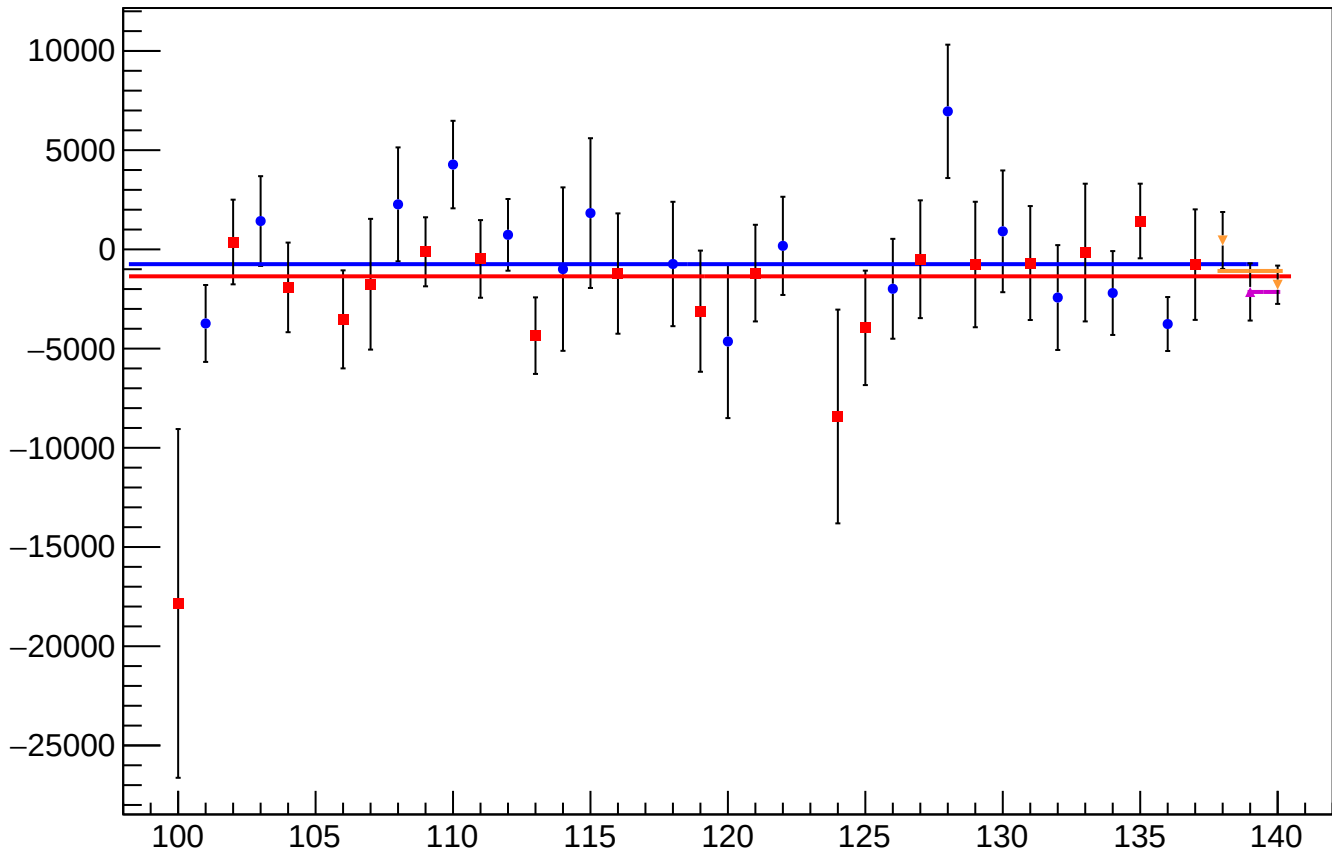
Left In: 175.014 $\pm$ 0.135 χ^2 /NDF:0.0/0

+ sign 140.844 $\pm$ 0.035 χ^2 /NDF: 1000404.5/17

All: 143.215 $\pm$ 0.026 χ^2 /NDF: 2176974.4/37

- sign 145.979 $\pm$ 0.038 χ^2 /NDF: 1166772.1/19

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF : 23.5/15

Left Out: -1087.295+/-800.913 χ^2/NDF : 1.7/1

Right Out: -1357.874+/-585.807 χ^2/NDF : 13.5/18

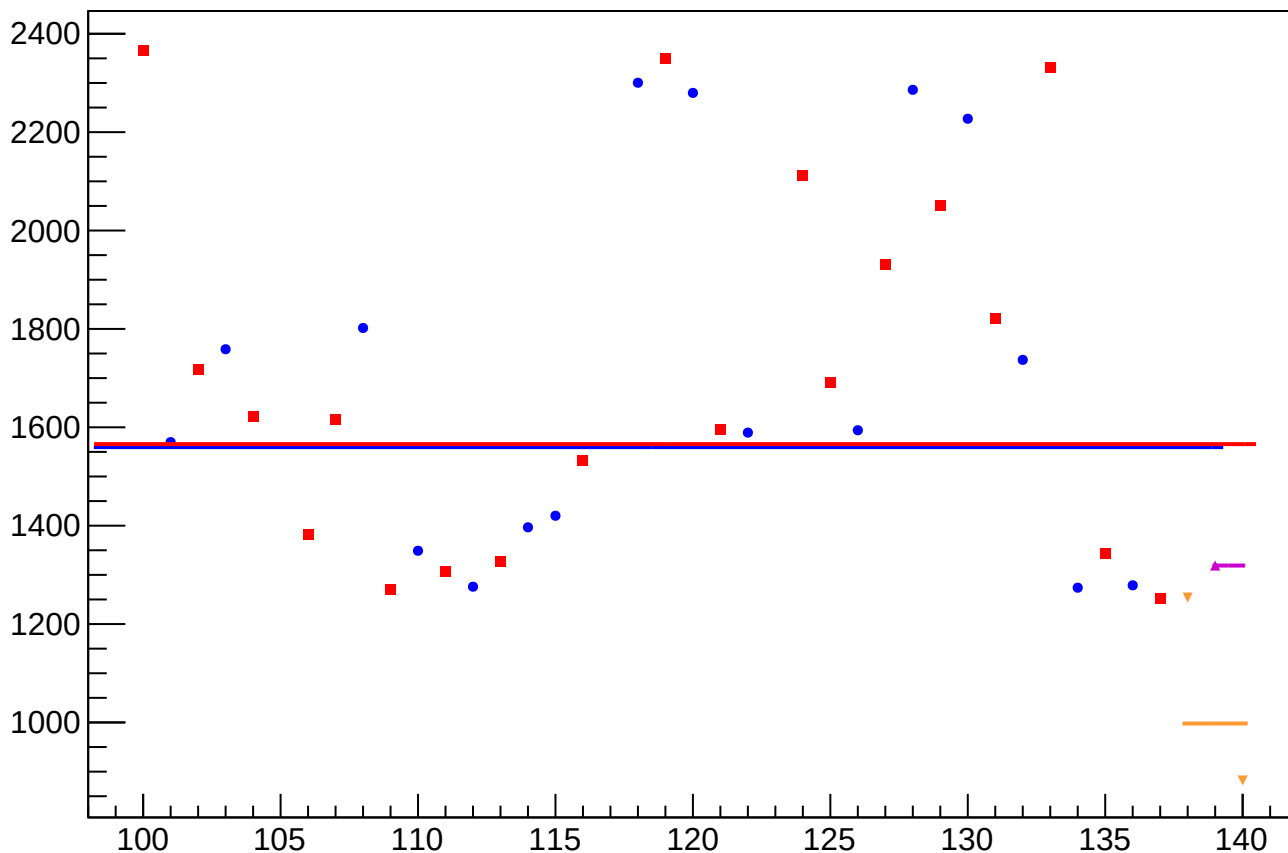
Left In: -2145.718+/-1441.684 χ^2/NDF : 0.0/0

+ sign -866.737+/-478.041 χ^2/NDF : 25.2/17

All: -1130.089+/-358.723 χ^2/NDF : 39.7/37

- sign -1469.520+/-542.715 χ^2/NDF : 13.8/19

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2 /NDF: 604209.8/15

Left Out: 997.833+/-0.566 χ^2 /NDF:92401.1/1

Right Out: 1565.806+/-0.414 χ^2 /NDF: 563845.7/18

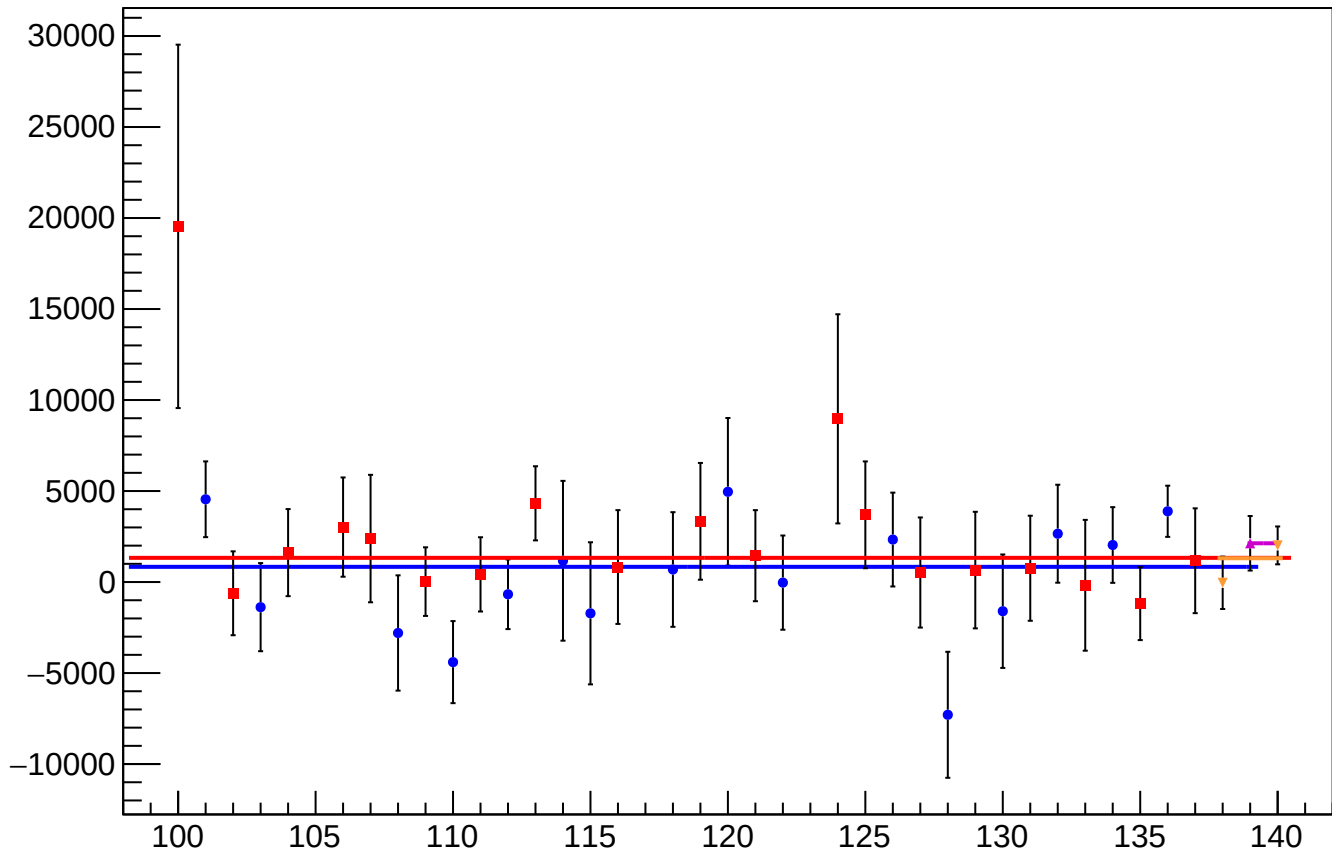
Left In: 1318.964+/-1.019 χ^2 /NDF:0.0/0

+ sign 1359.555+/-0.338 χ^2 /NDF: 1330326.7/17

All: 1434.382+/-0.254 χ^2 /NDF: 2056656.8/37

- sign 1530.826+/-0.384 χ^2 /NDF: 614168.3/19

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF : 24.9/15

Left Out: 1307.483+/-842.775 χ^2/NDF : 1.3/1

Right Out: 1329.538+/-616.428 χ^2/NDF : 12.1/18

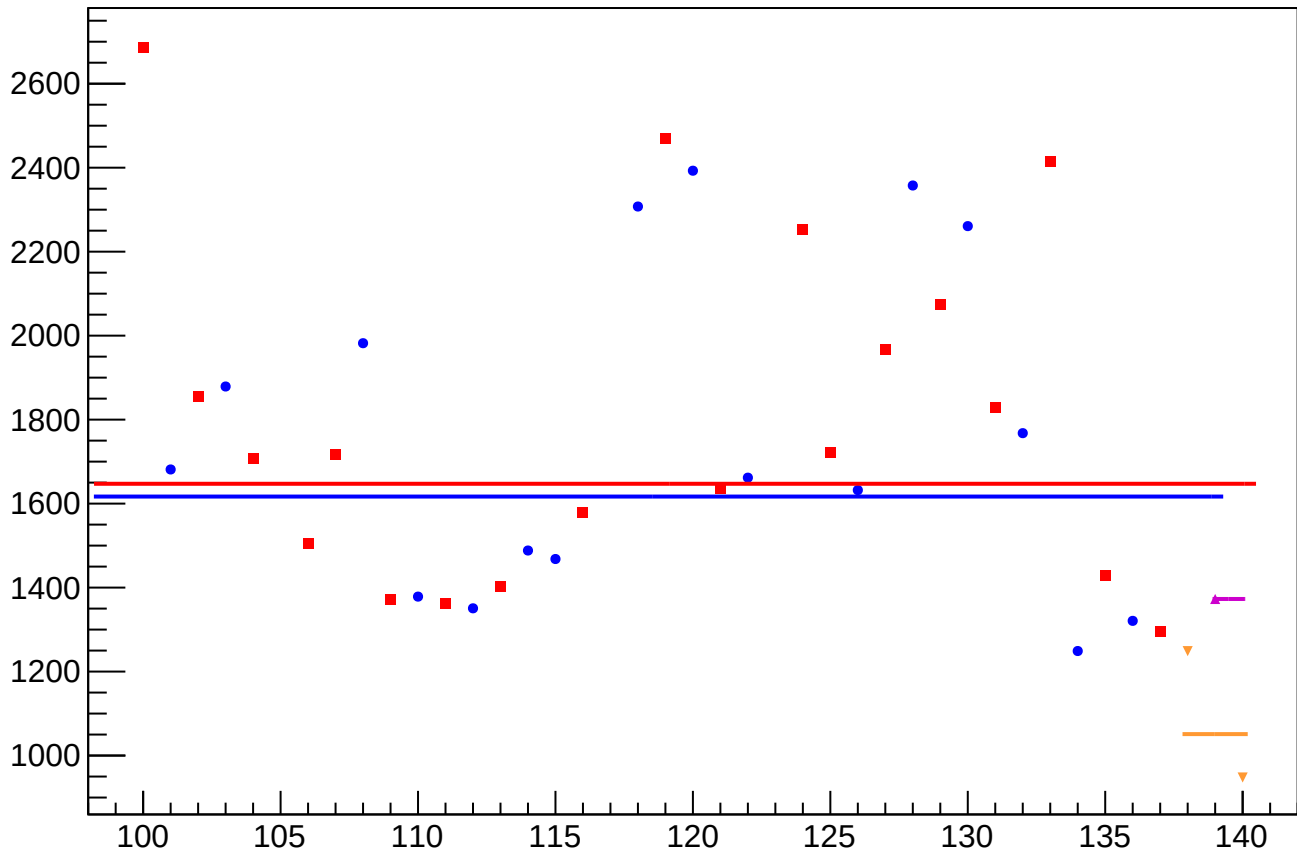
Left In: 2129.432+/-1498.143 χ^2/NDF : 0.0/0

+ sign 1000.814+/-498.777 χ^2/NDF : 26.4/17

All: 1193.568+/-375.376 χ^2/NDF : 39.1/37

- sign 1445.353+/-570.058 χ^2/NDF : 12.4/19

asym_sam3_rms vs Slug



Right In: 1616.804 $\pm$ 0.438 χ^2 /NDF: 622271.0/15

Left Out: 1051.095 $\pm$ 0.596 χ^2 /NDF: 57485.5/1

Right Out: 1647.227 $\pm$ 0.436 χ^2 /NDF: 523860.9/18

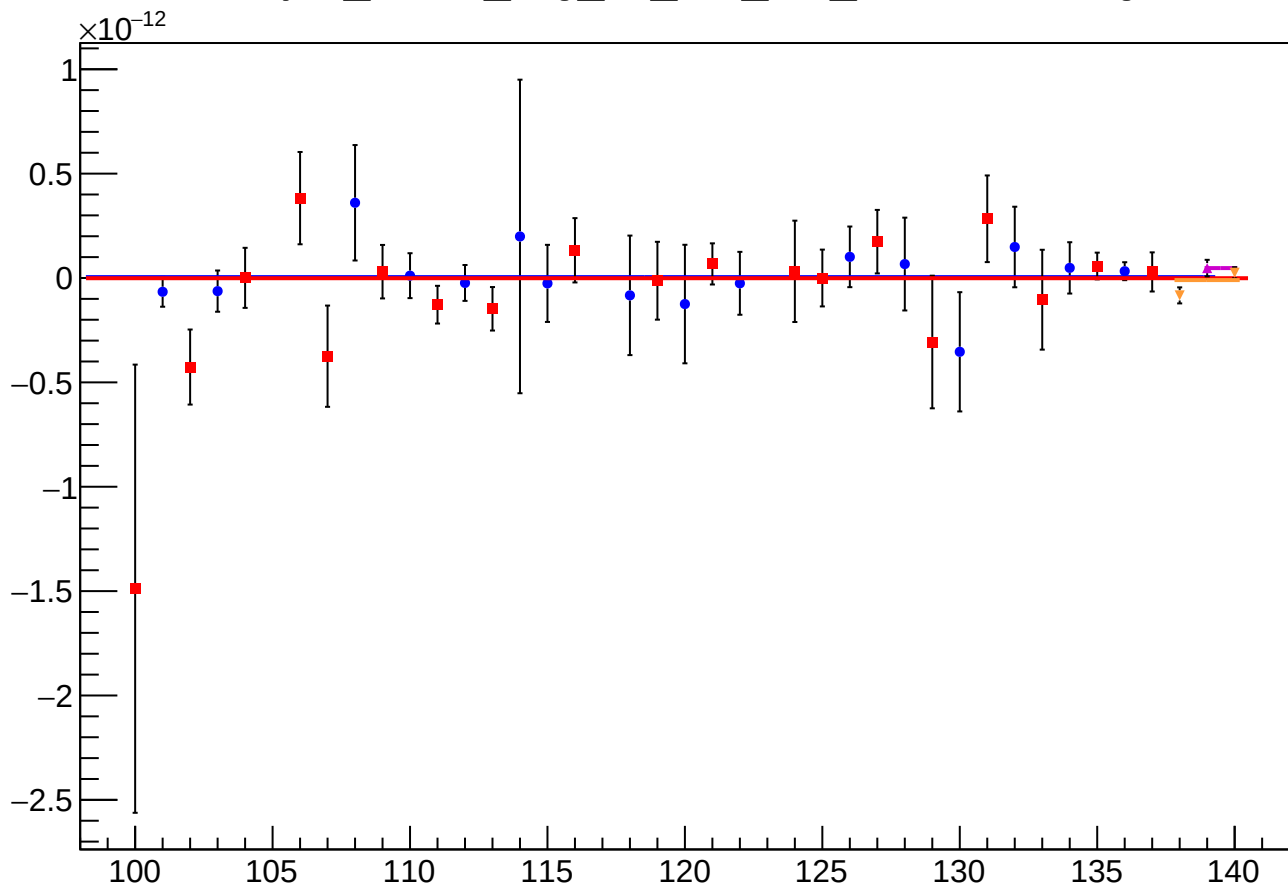
Left In: 1372.884 $\pm$ 1.059 χ^2 /NDF: 0.0/0

+ sign 1418.659 $\pm$ 0.353 χ^2 /NDF: 1265264.1/17

All: 1500.544 $\pm$ 0.265 χ^2 /NDF: 1970797.6/37

- sign 1607.505 $\pm$ 0.403 χ^2 /NDF: 581217.6/19

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6.9/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 5.4/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.4/18

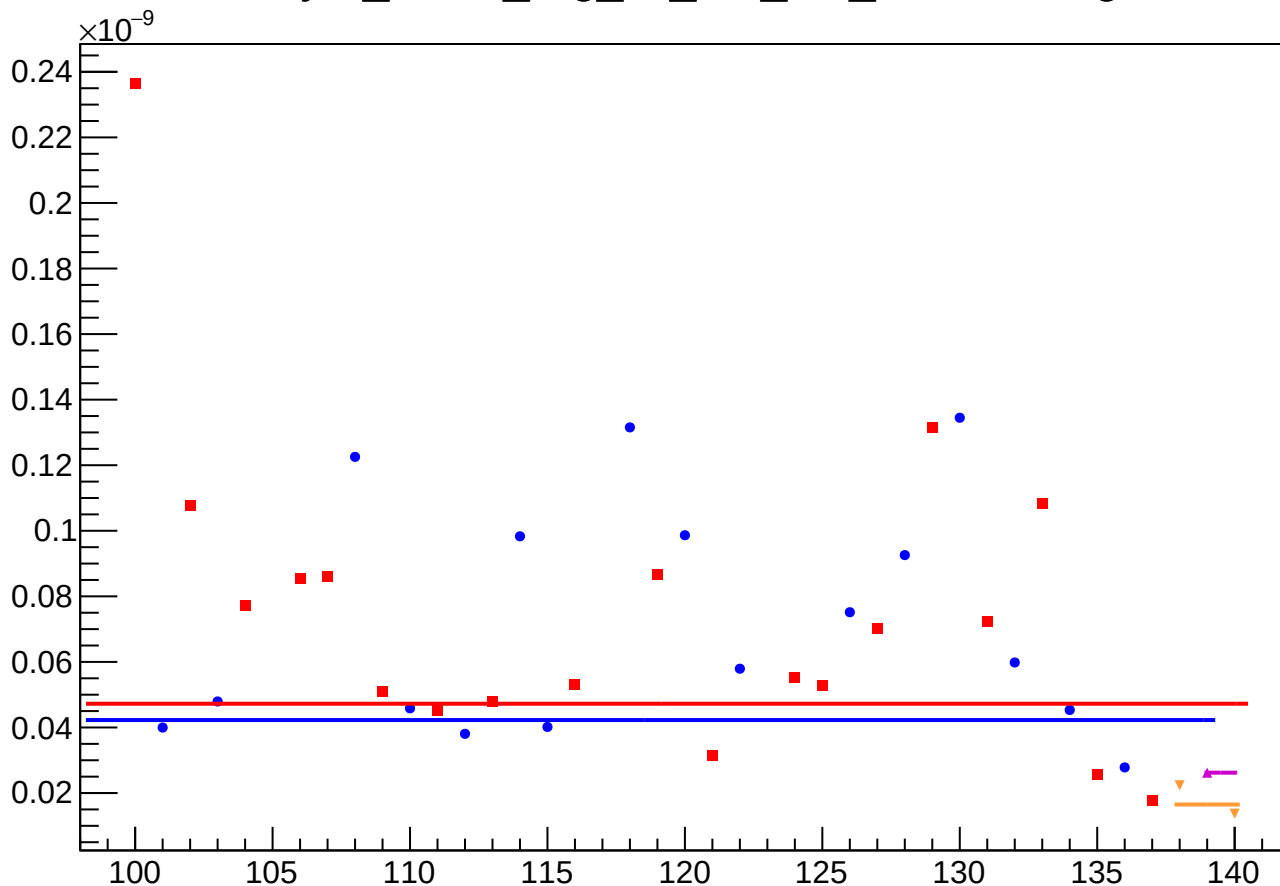
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 12.4/17

All: 0.000 ± 0.000 χ^2/NDF : 37.3/37

- sign 0.000 ± 0.000 χ^2/NDF : 24.4/19

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 68886.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1410595.6/18

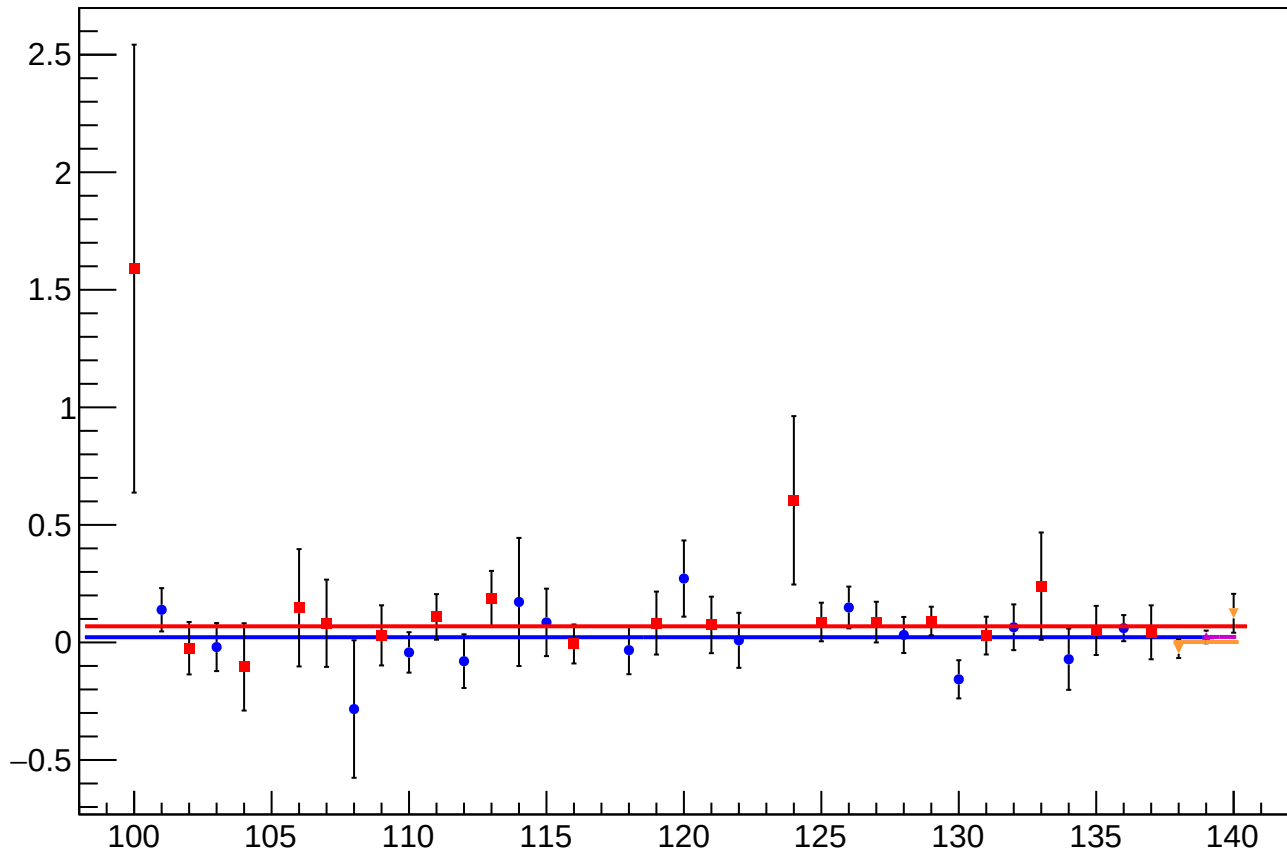
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2304113.4/17

All: 0.000+/-0.000 χ^2/NDF : 4451556.0/37

- sign 0.000+/-0.000 χ^2/NDF : 1766024.4/19

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: 0.002 ± 0.036 χ^2/NDF : 2.7/1

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

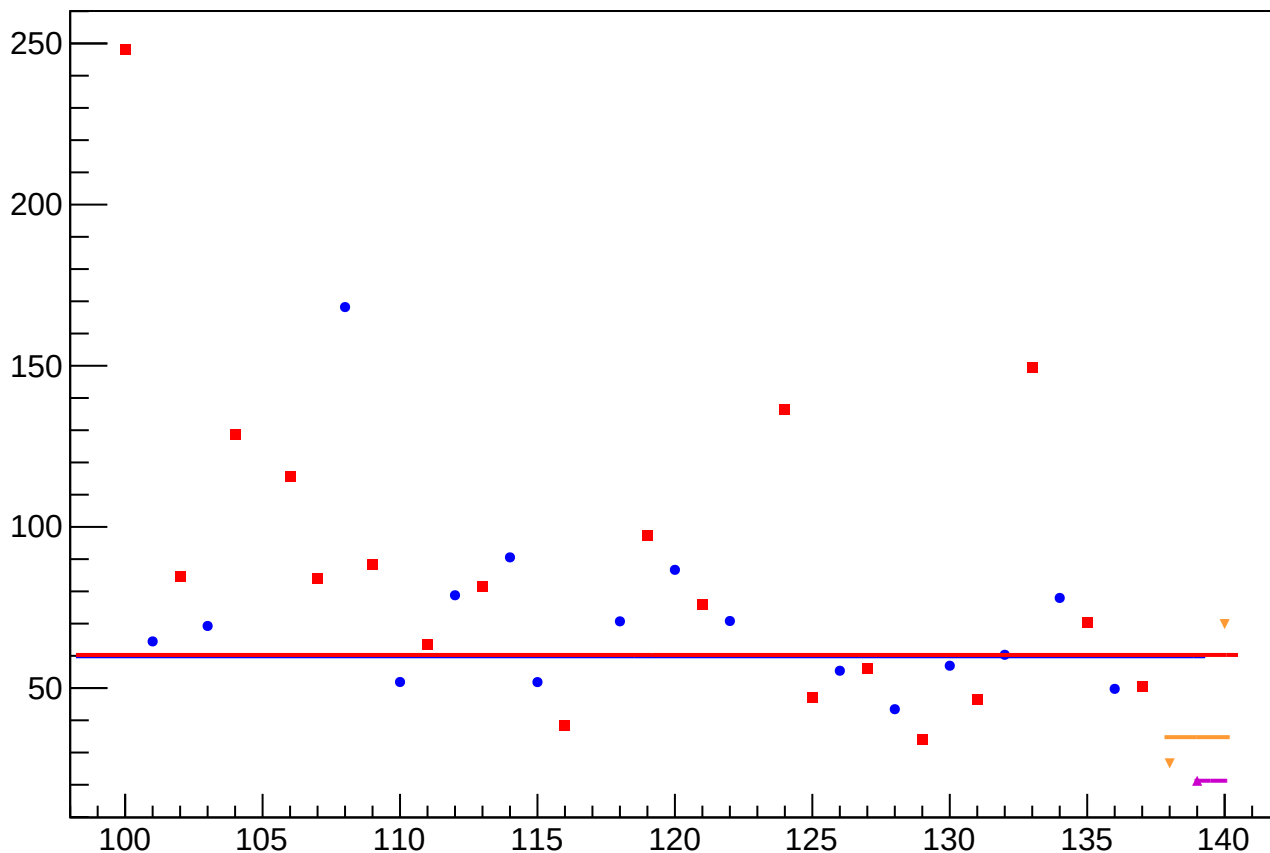
Left In: 0.023 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.016 ± 0.020 χ^2/NDF : 18.4/17

All: 0.033 ± 0.014 χ^2/NDF : 30.9/37

- sign 0.048 ± 0.019 χ^2/NDF : 11.1/19

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 0.017 χ^2 /NDF: 698954.5/15

Left Out: 34.771 $\pm$ 0.025 χ^2 /NDF: 443135.6/1

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

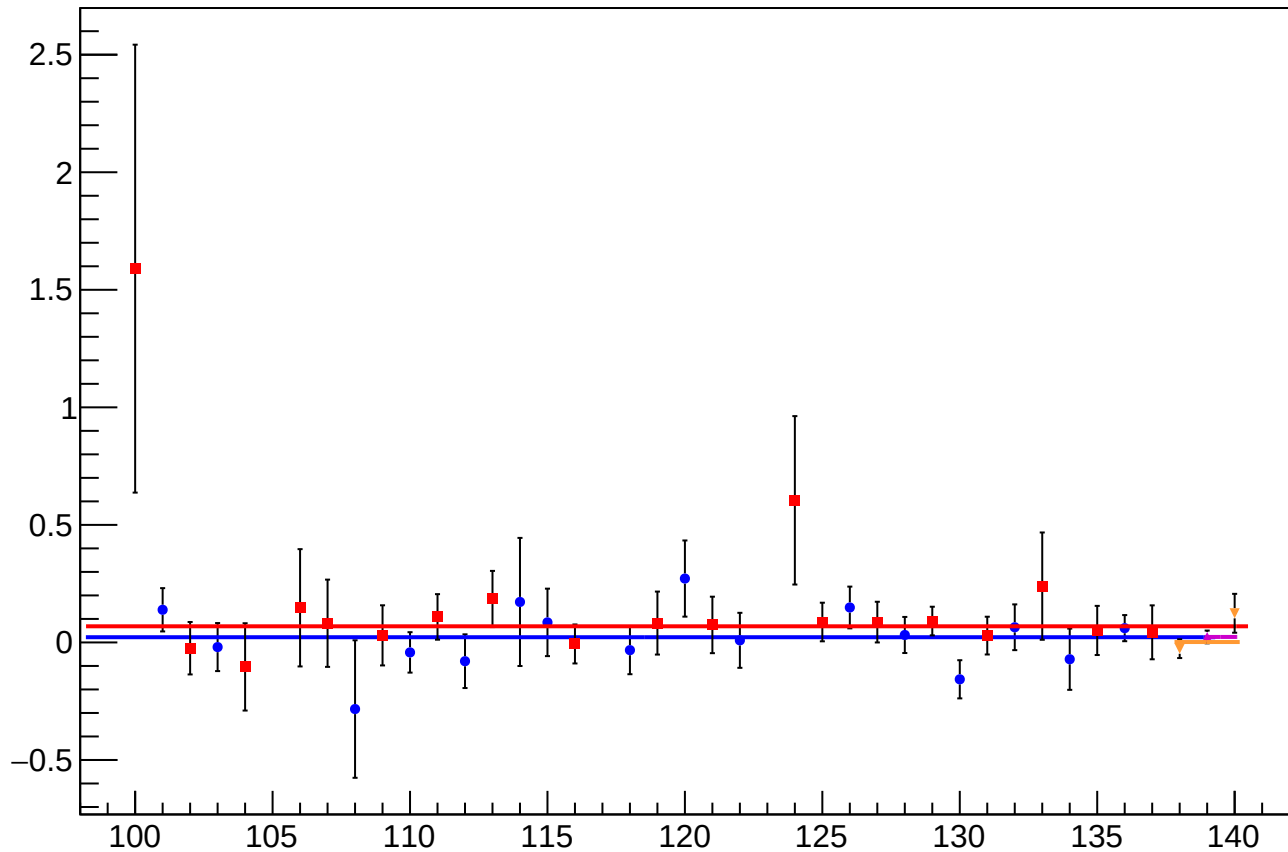
Left In: 21.250 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 51.811 $\pm$ 0.014 χ^2 /NDF: 1806254.7/17

All: 46.529 $\pm$ 0.010 χ^2 /NDF: 6244136.7/37

- sign 42.155 $\pm$ 0.013 χ^2 /NDF: 4191092.5/19

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: 0.002 ± 0.036 χ^2/NDF : 2.7/1

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

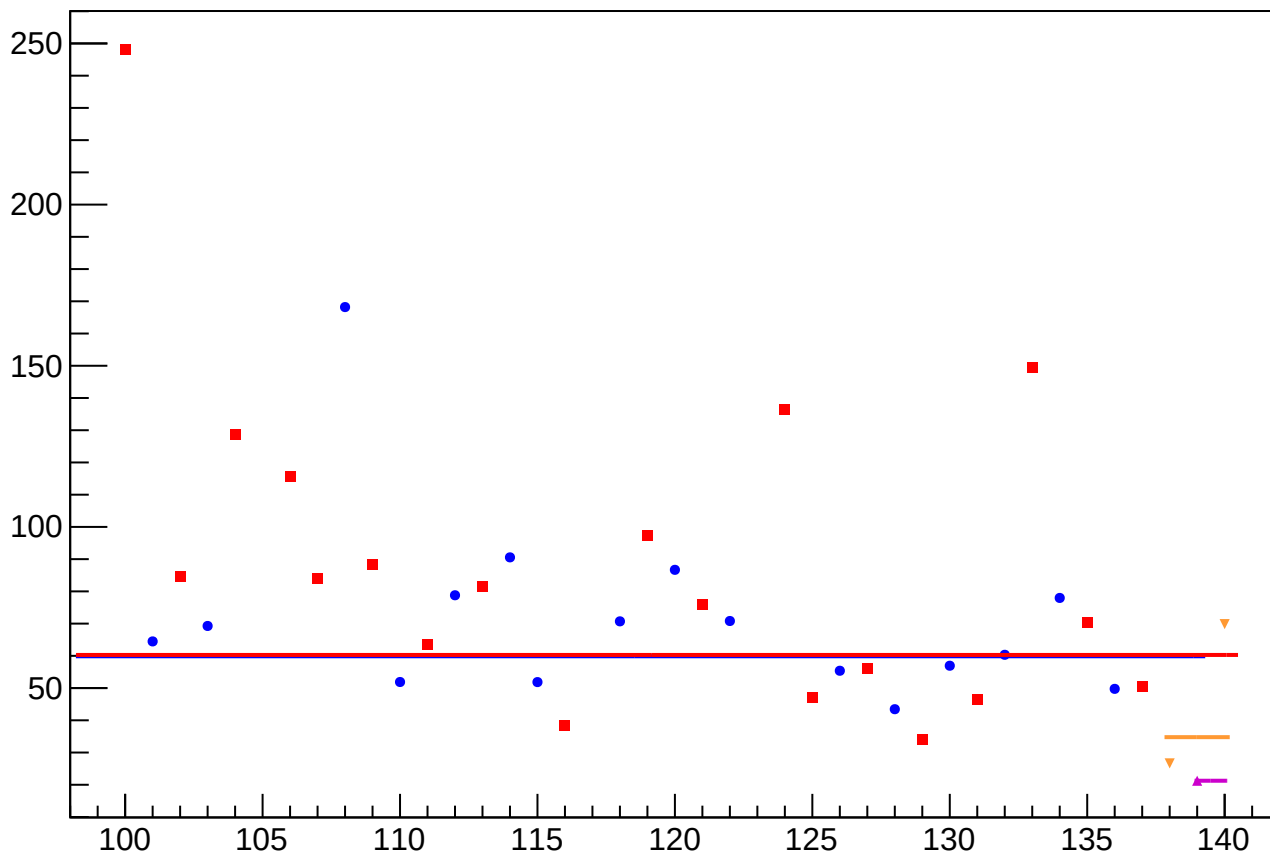
Left In: 0.023 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.016 ± 0.020 χ^2/NDF : 18.4/17

All: 0.033 ± 0.014 χ^2/NDF : 30.9/37

- sign 0.048 ± 0.019 χ^2/NDF : 11.1/19

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 0.017 χ^2 /NDF: 698954.5/15

Left Out: 34.771 $\pm$ 0.025 χ^2 /NDF: 443135.6/1

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

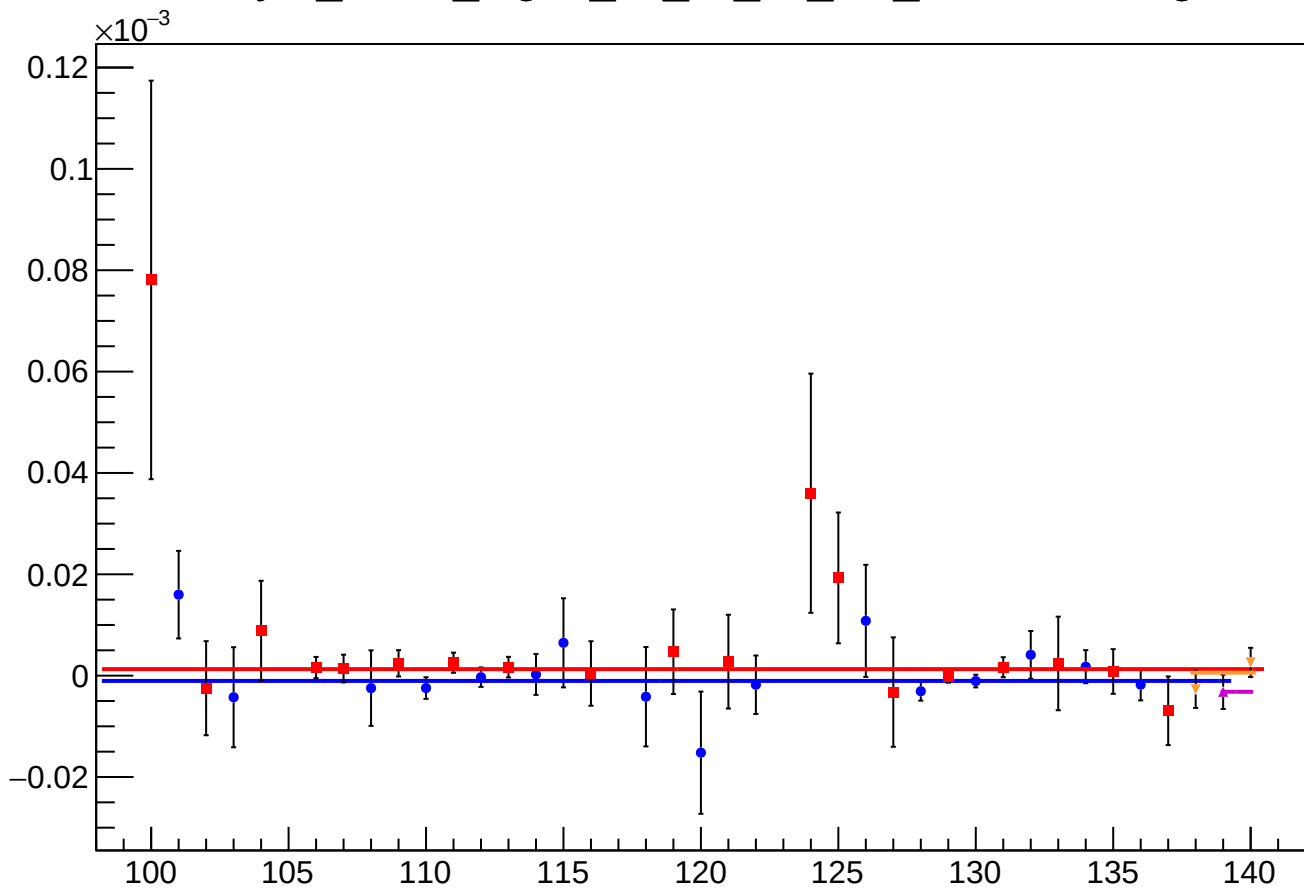
Left In: 21.250 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 51.811 $\pm$ 0.014 χ^2 /NDF: 1806254.7/17

All: 46.529 $\pm$ 0.010 χ^2 /NDF: 6244136.7/37

- sign 42.155 $\pm$ 0.013 χ^2 /NDF: 4191092.5/19

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 : 1.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.5/18

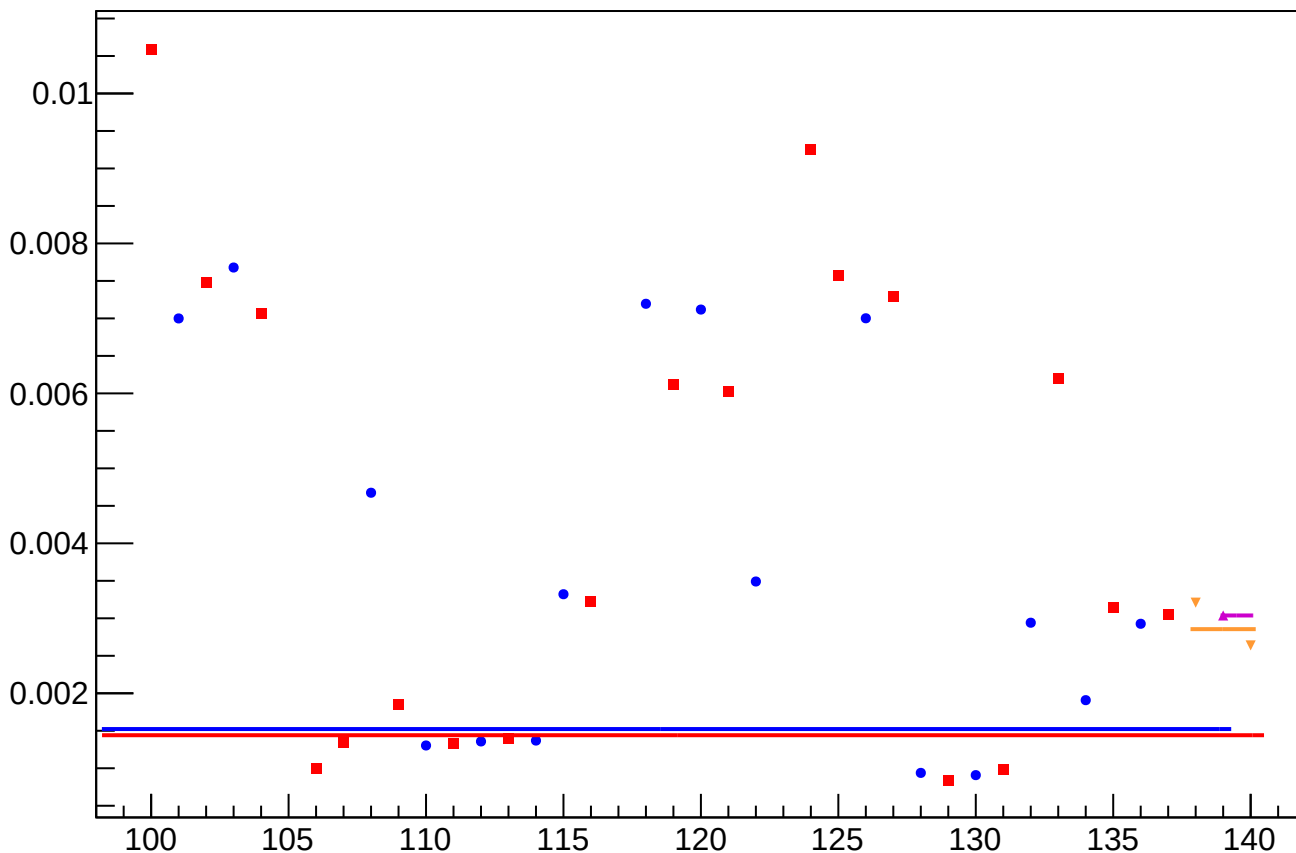
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 13.0/17

All: 0.000 ± 0.000 χ^2/NDF : 31.3/37

- sign 0.000 ± 0.000 χ^2/NDF : 14.1/19

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 : 29779.5/1

Right Out: 0.001+/-0.000 χ^2/NDF : 5789411.1/18

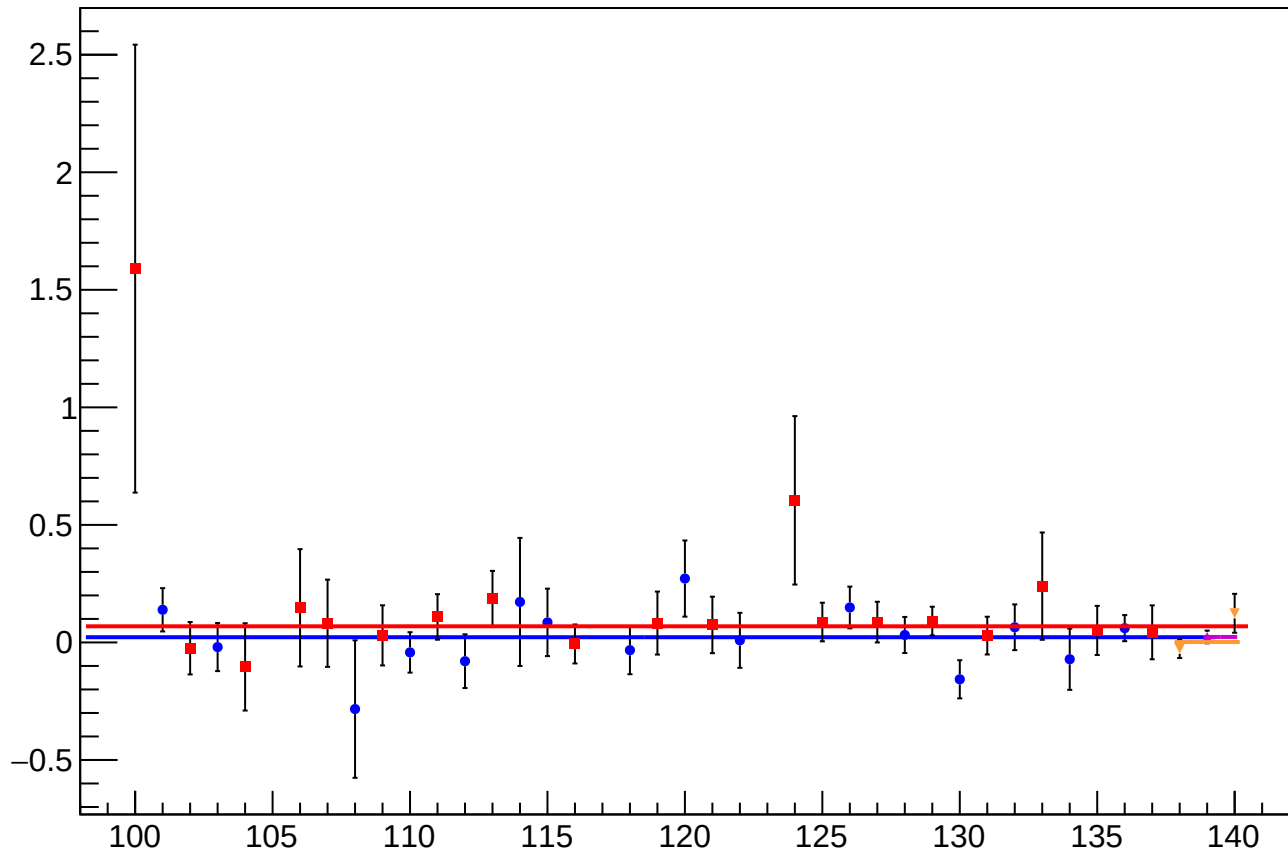
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 5836525.0/17

All: 0.002+/-0.000 χ^2/NDF : 12095126.8/37

- sign 0.002+/-0.000 χ^2/NDF : 6214937.7/19

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: 0.002 ± 0.036 χ^2/NDF : 2.7/1

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

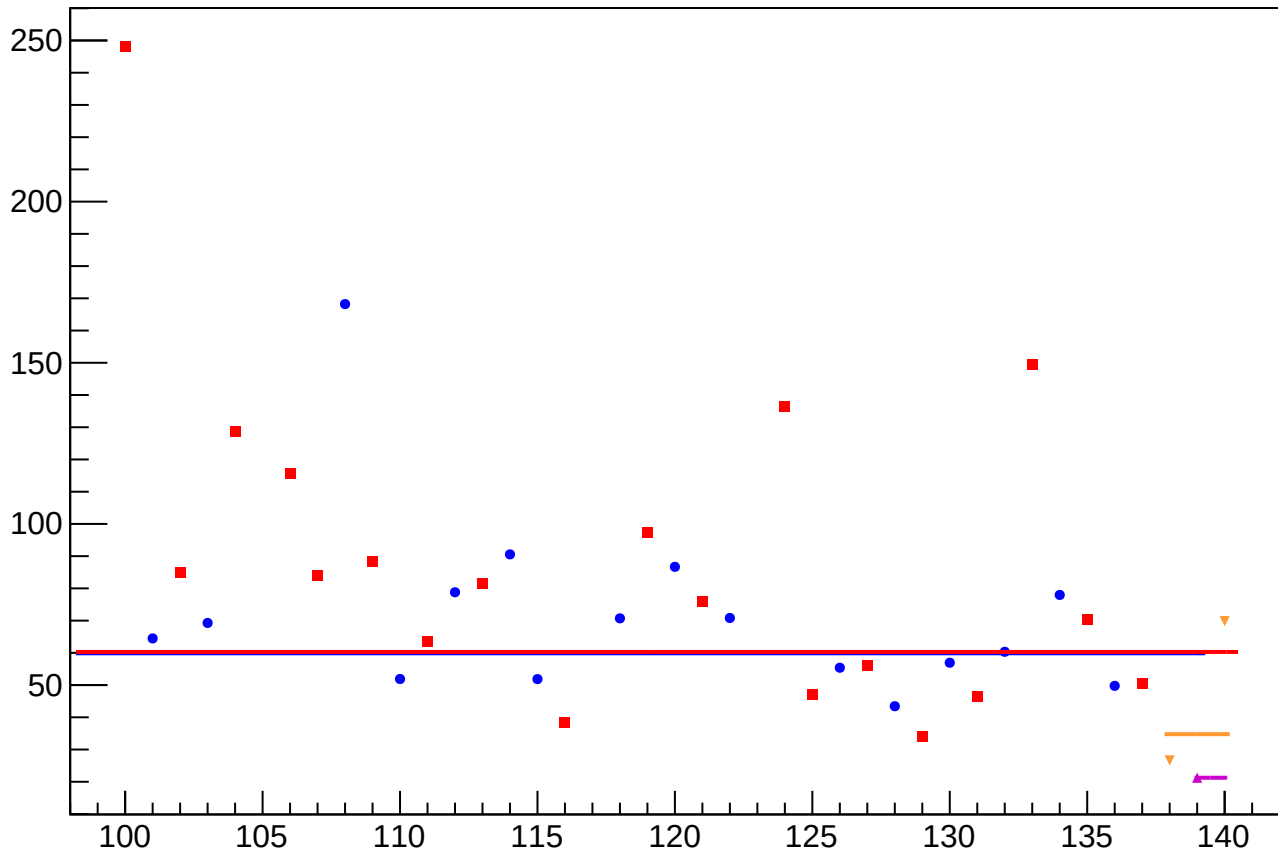
Left In: 0.023 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.016 ± 0.020 χ^2/NDF : 18.4/17

All: 0.033 ± 0.014 χ^2/NDF : 30.9/37

- sign 0.048 ± 0.018 χ^2/NDF : 11.1/19

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868 $\pm$ 0.017 χ^2 /NDF: 699008.9/15

Left Out: 34.769 $\pm$ 0.025 χ^2 /NDF: 443199.3/1

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977294.2/18

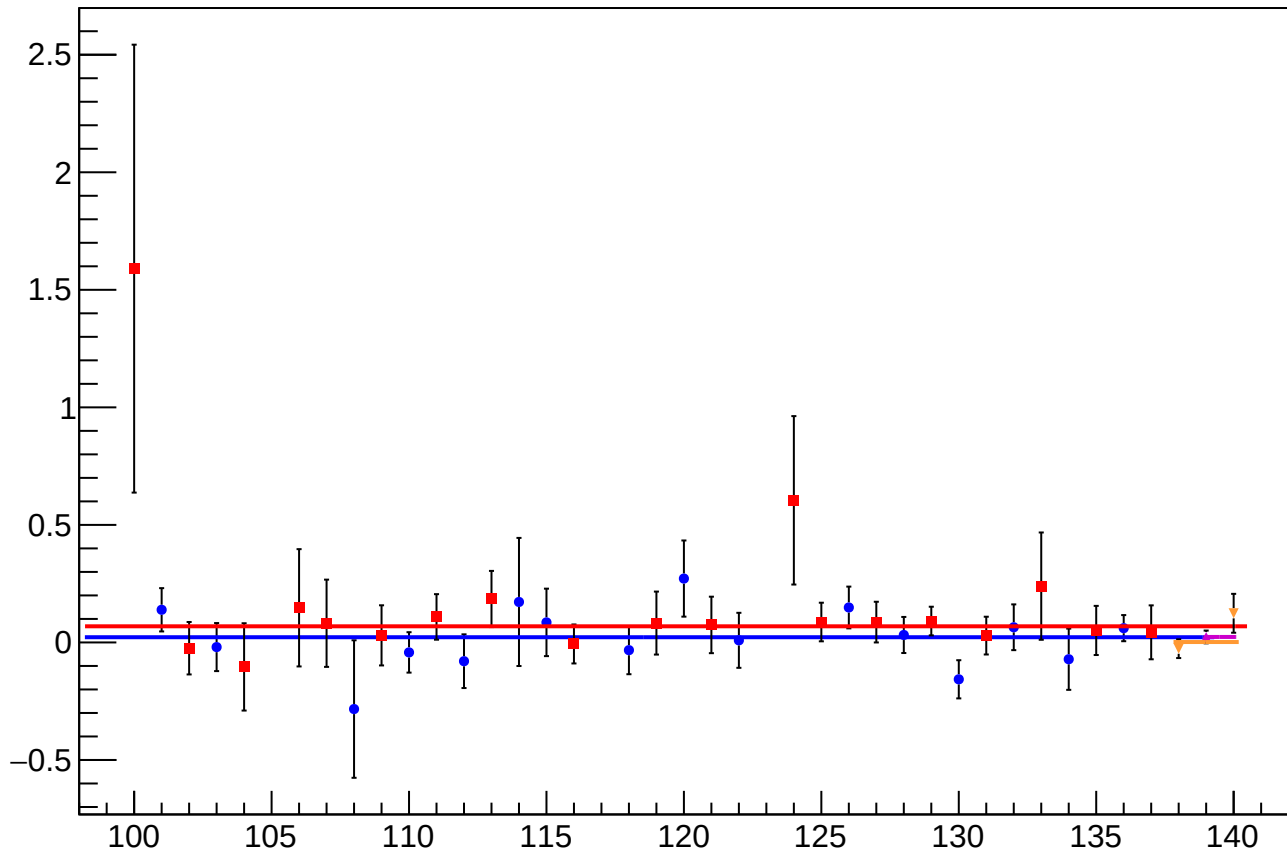
Left In: 21.249 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 51.810 $\pm$ 0.014 χ^2 /NDF: 1806565.0/17

All: 46.527 $\pm$ 0.010 χ^2 /NDF: 6244833.0/37

- sign 42.154 $\pm$ 0.013 χ^2 /NDF: 4191441.9/19

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.025 χ^2 /NDF: 15.5/15

Left Out: 0.002 $\pm$ 0.036 χ^2 /NDF: 2.7/1

Right Out: 0.069 $\pm$ 0.025 χ^2 /NDF: 9.6/18

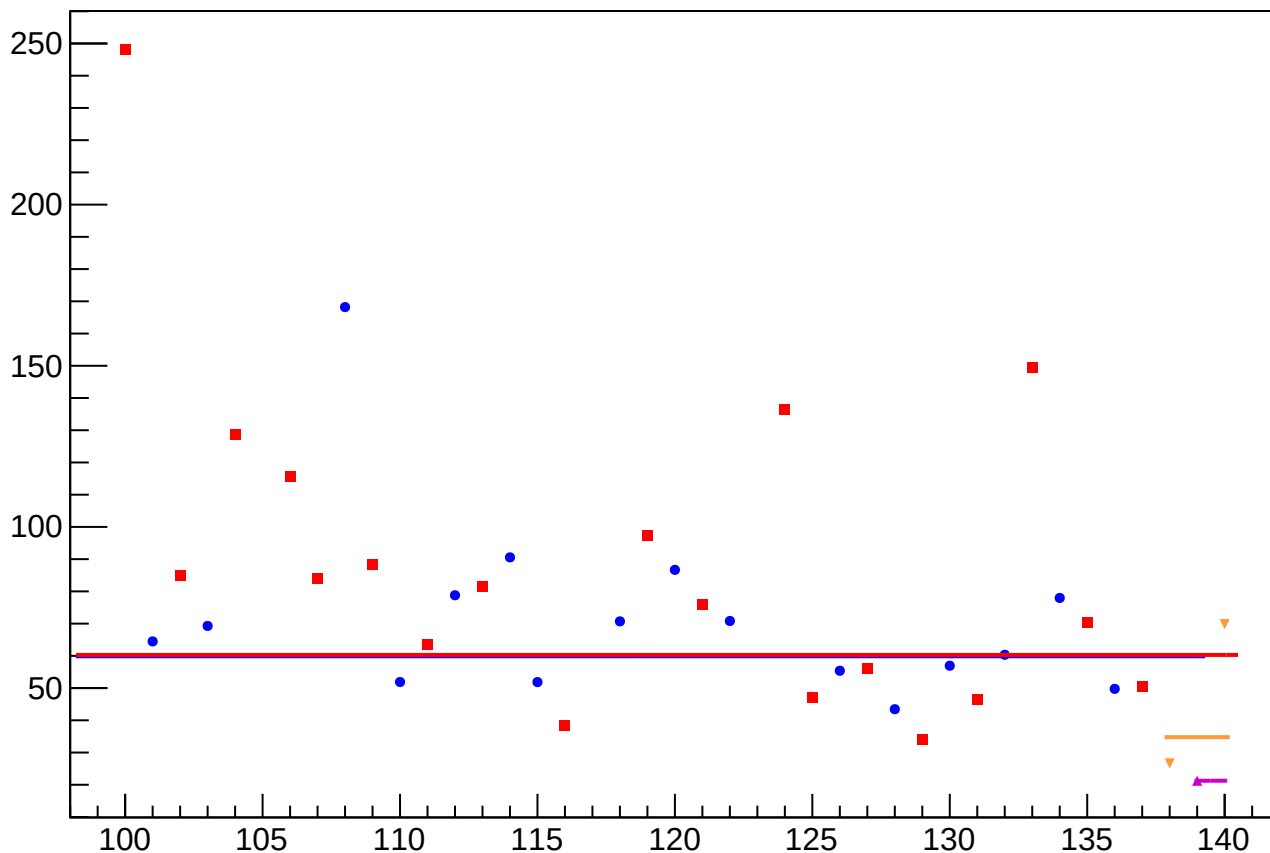
Left In: 0.023 $\pm$ 0.027 χ^2 /NDF: 0.0/0

+ sign 0.016 $\pm$ 0.020 χ^2 /NDF: 18.4/17

All: 0.033 $\pm$ 0.014 χ^2 /NDF: 30.9/37

- sign 0.048 $\pm$ 0.018 χ^2 /NDF: 11.1/19

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868 $\pm$ 0.017 χ^2/NDF : 699008.9/15

Left Out: 34.769 $\pm$ 0.025 χ^2/NDF : 443199.3/1

Right Out: 60.278 $\pm$ 0.018 χ^2/NDF : 1977294.2/18

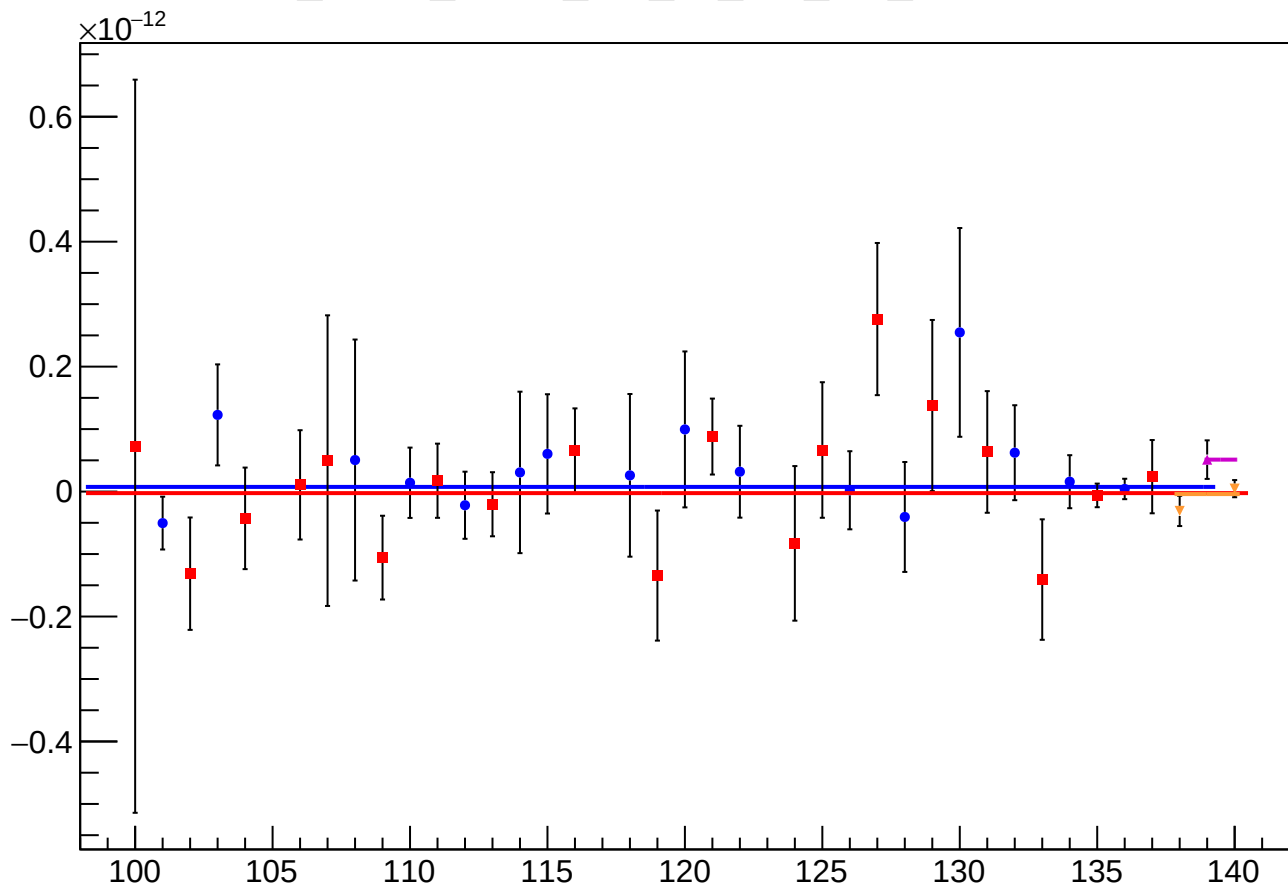
Left In: 21.249 $\pm$ 0.019 χ^2/NDF : 0.0/0

+ sign 51.810 $\pm$ 0.014 χ^2/NDF : 1806565.0/17

All: 46.527 $\pm$ 0.010 χ^2/NDF : 6244833.0/37

- sign 42.154 $\pm$ 0.013 χ^2/NDF : 4191441.9/19

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 8.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.7/18

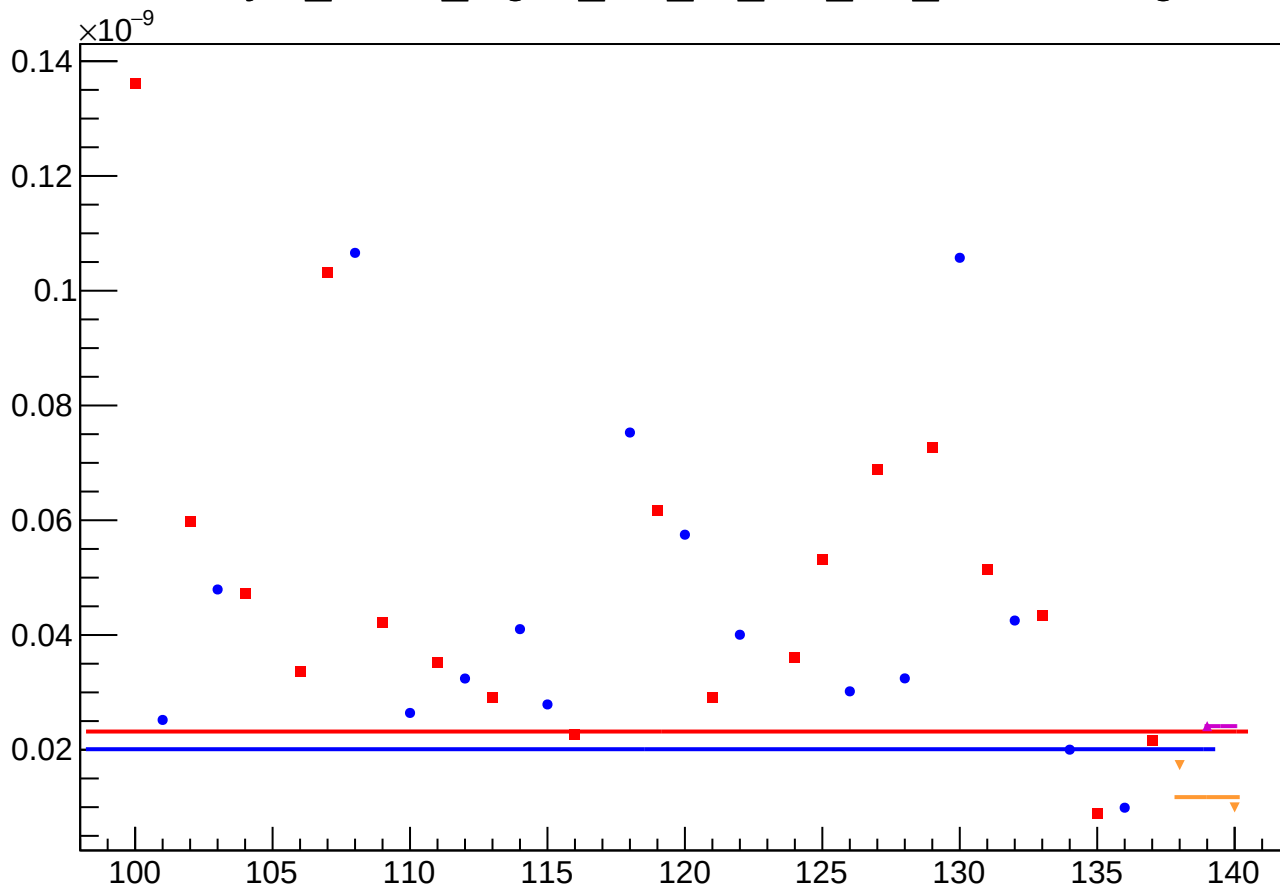
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 10.5/17

All: 0.000 ± 0.000 χ^2/NDF : 32.8/37

- sign 0.000 ± 0.000 χ^2/NDF : 22.2/19

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 140434.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3530677.1/18

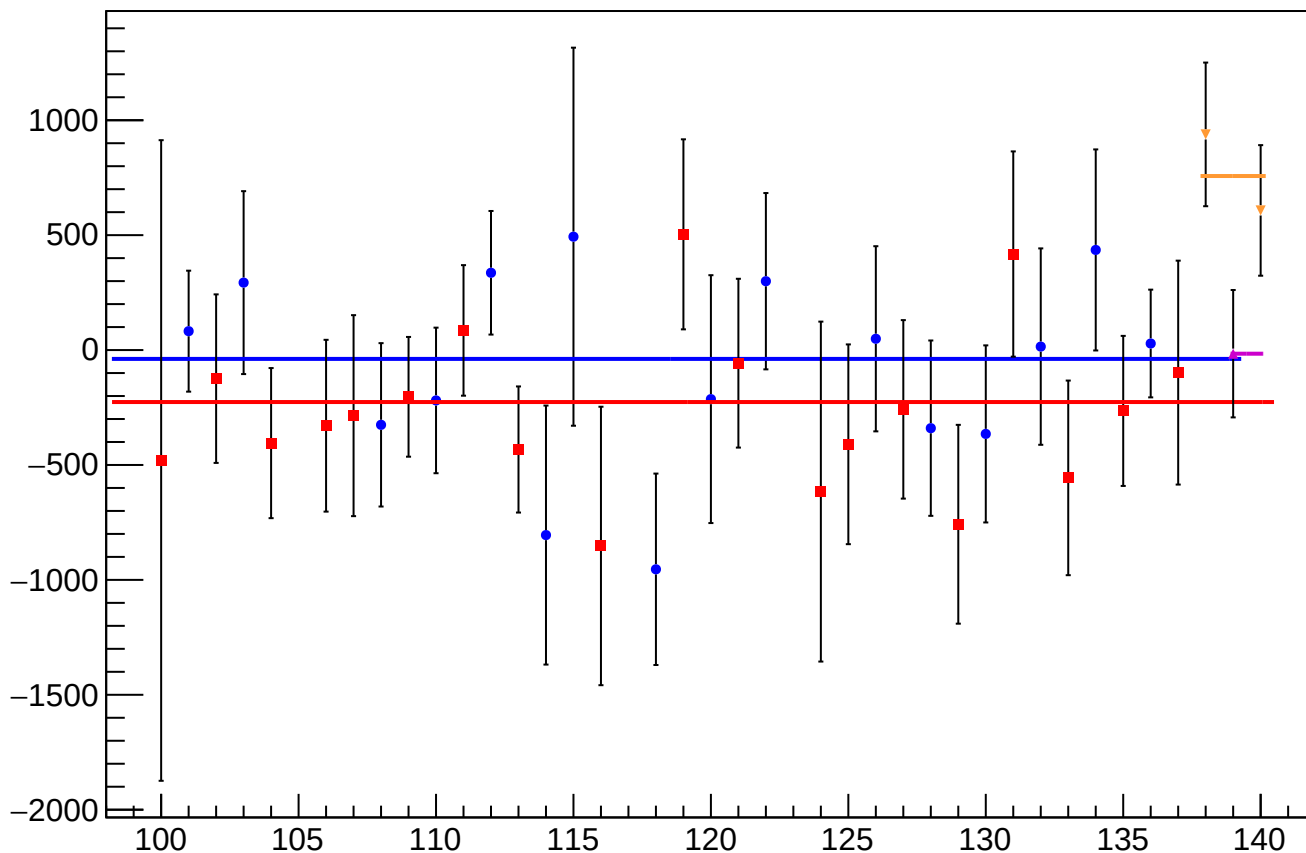
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3742061.7/17

All: 0.000+/-0.000 χ^2/NDF : 7768575.5/37

- sign 0.000+/-0.000 χ^2/NDF : 3532239.3/19

reg_asym_sam4_mean vs Slug



Right In: -38.498 ± 90.619 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 757.265 ± 210.214 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -226.168 ± 87.908 $\chi^2/\text{NDF}: 11.4/18$

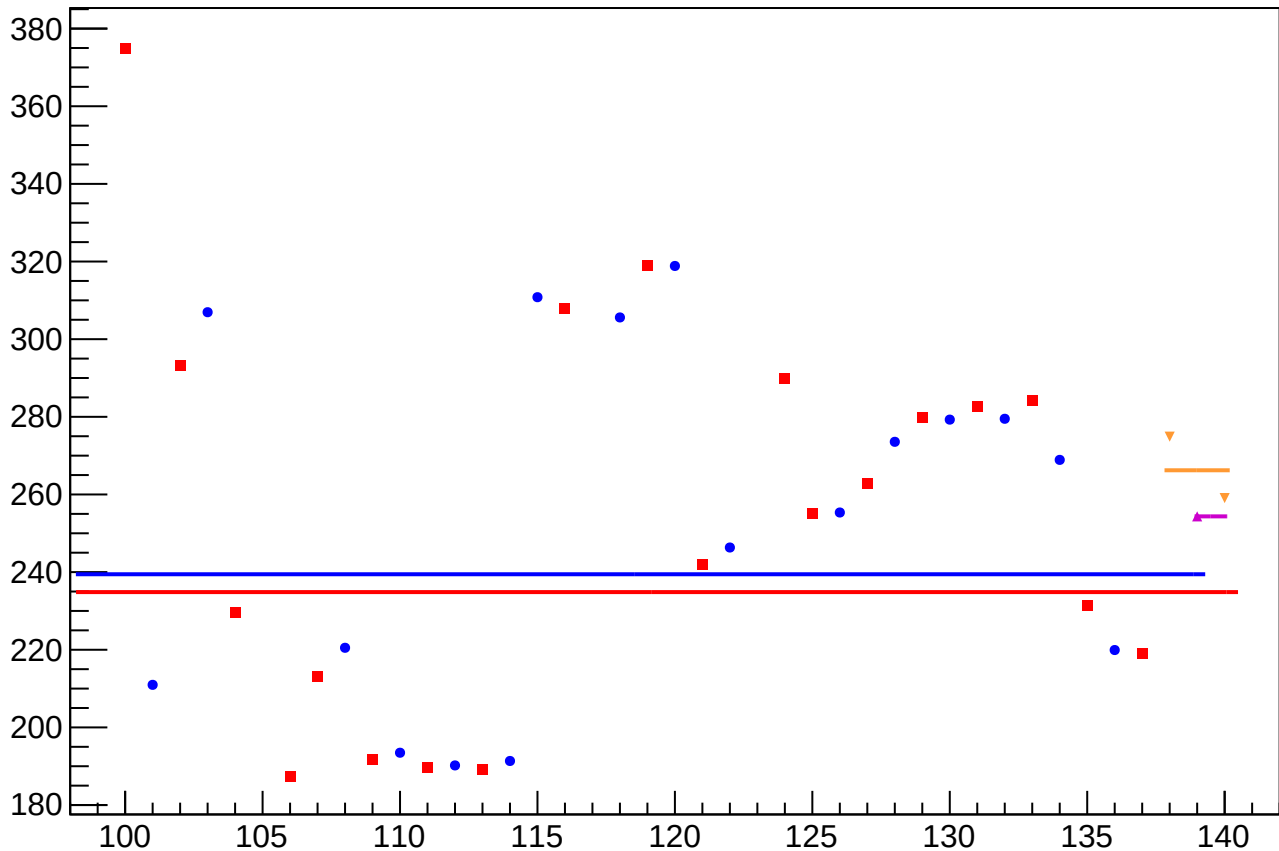
Left In: -15.854 ± 277.130 $\chi^2/\text{NDF}: 0.0/0$

+ sign 86.204 ± 83.216 $\chi^2/\text{NDF}: 27.2/17$

All: -59.354 ± 59.046 $\chi^2/\text{NDF}: 45.3/37$

- sign -206.940 ± 83.793 $\chi^2/\text{NDF}: 11.9/19$

reg_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400955.7/15

Left Out: 266.231 $\pm$ 0.149 χ^2 /NDF:2805.4/1

Right Out: 234.855 $\pm$ 0.062 χ^2 /NDF: 481715.3/18

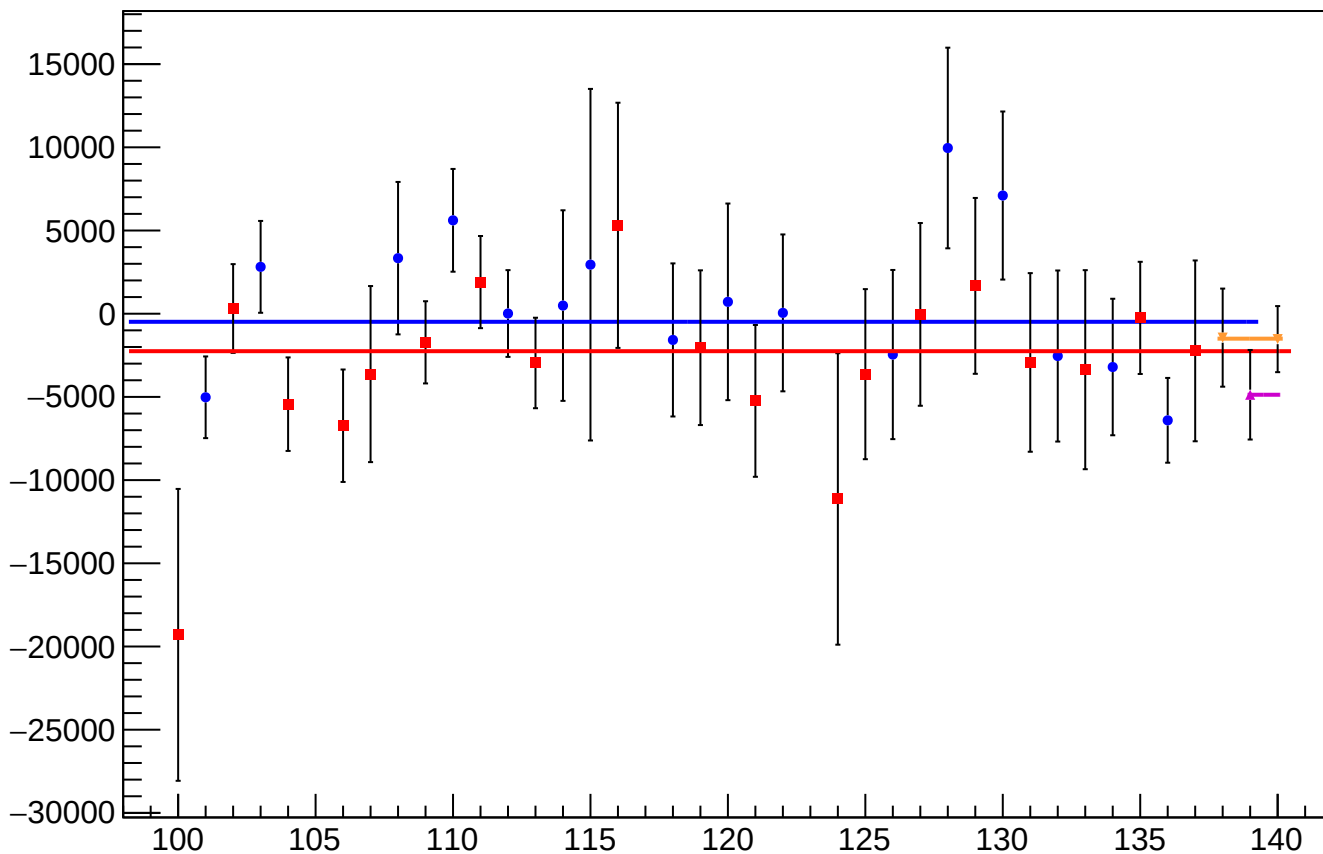
Left In: 254.358 $\pm$ 0.196 χ^2 /NDF:0.0/0

+ sign 243.646 $\pm$ 0.059 χ^2 /NDF: 431136.4/17

All: 240.166 $\pm$ 0.042 χ^2 /NDF: 928895.7/37

- sign 236.638 $\pm$ 0.059 χ^2 /NDF: 490715.7/19

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932 ± 947.459 χ^2/NDF : 21.1/15

Left Out: -1499.277 ± 1646.691 χ^2/NDF : 0.0/1

Right Out: -2251.898 ± 894.171 χ^2/NDF : 13.9/18

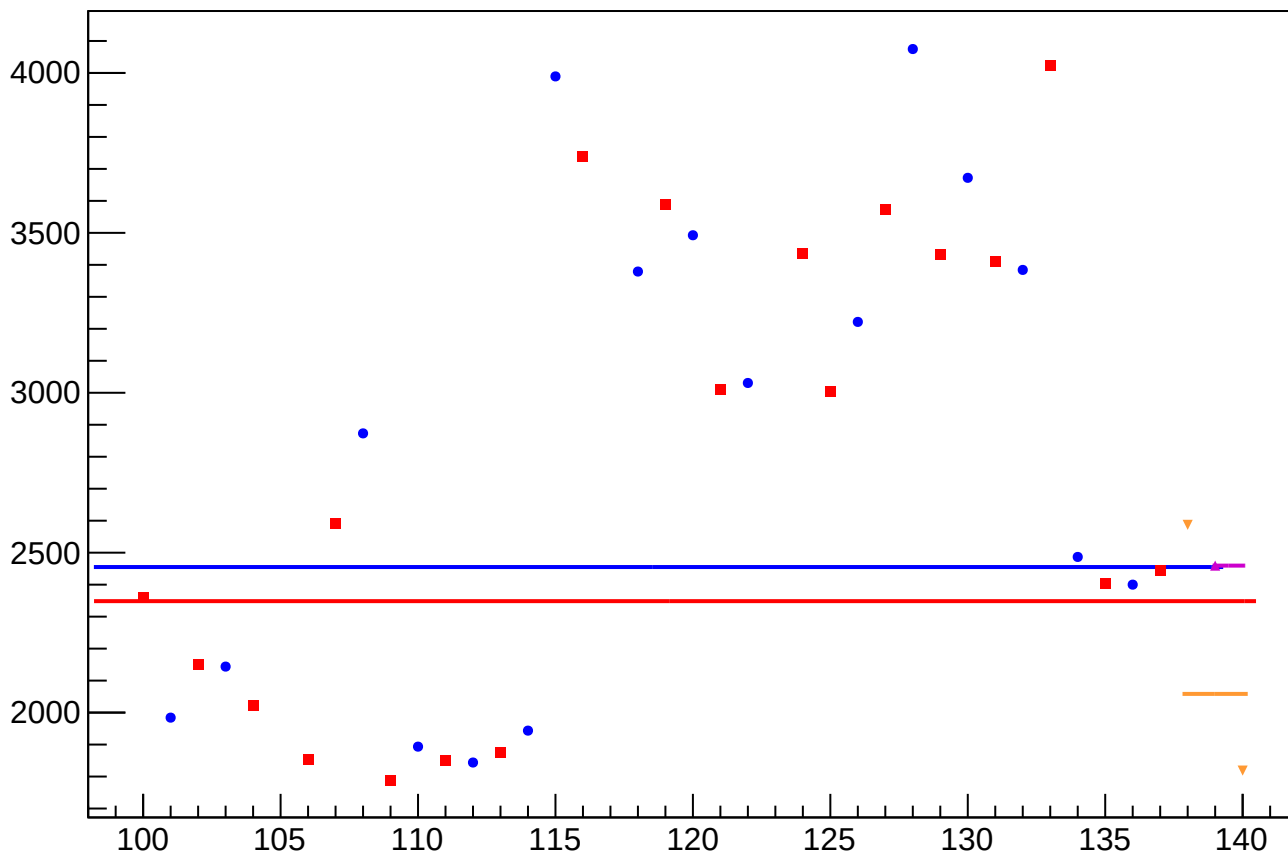
Left In: -4870.265 ± 2690.919 χ^2/NDF : 0.0/0

+ sign -737.966 ± 821.226 χ^2/NDF : 21.4/17

All: -1596.089 ± 590.118 χ^2/NDF : 38.4/37

- sign -2512.264 ± 848.550 χ^2/NDF : 14.7/19

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF : 894389.6/15

Left Out: 2058.413+/-1.164 χ^2/NDF : 93497.8/1

Right Out: 2348.446+/-0.632 χ^2/NDF : 1052421.6/18

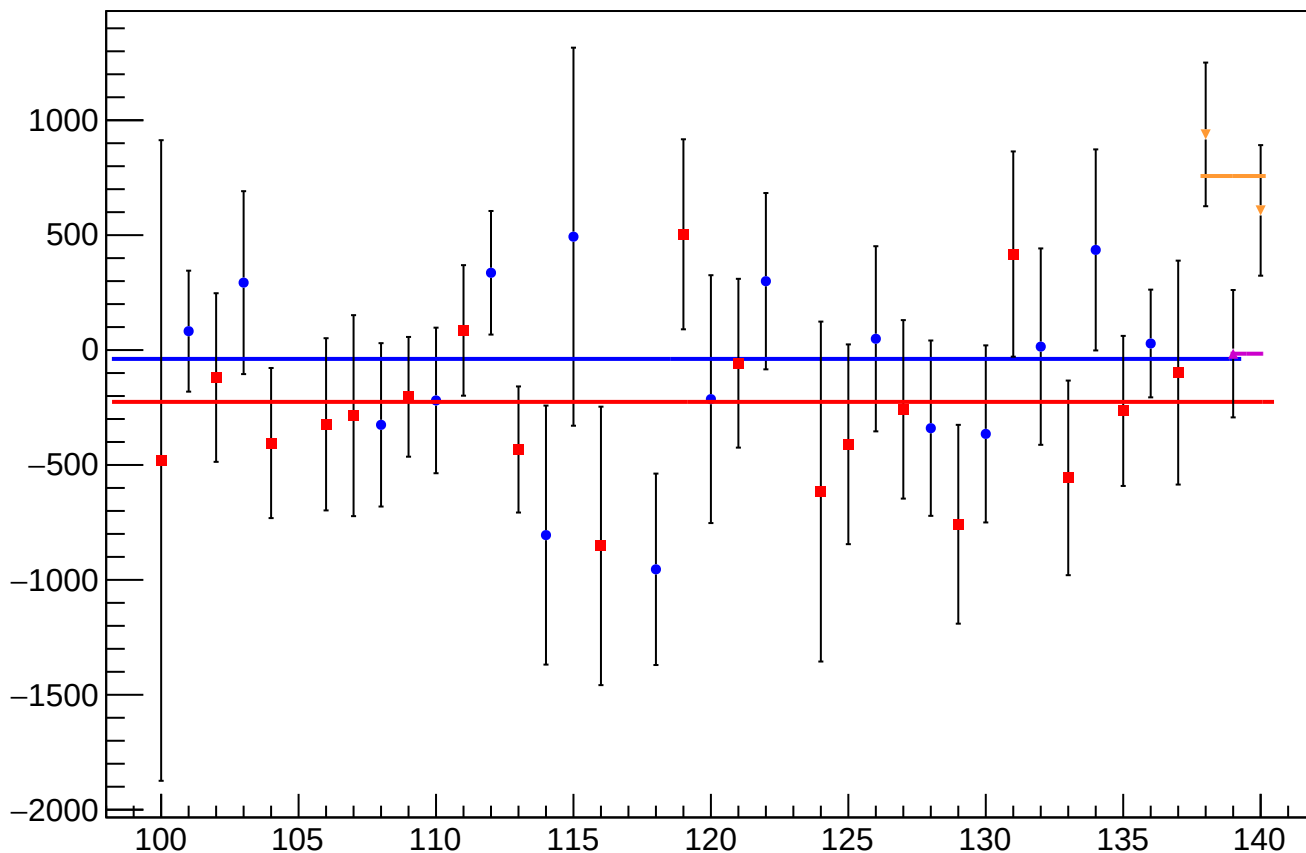
Left In: 2459.543+/-1.903 χ^2/NDF : 0.0/0

+ sign 2356.440+/-0.581 χ^2/NDF : 1075086.8/17

All: 2357.917+/-0.417 χ^2/NDF : 2130591.8/37

- sign 2359.493+/-0.600 χ^2/NDF : 1055491.7/19

cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 757.296 ± 210.214 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -225.515 ± 87.922 $\chi^2/\text{NDF}: 11.4/18$

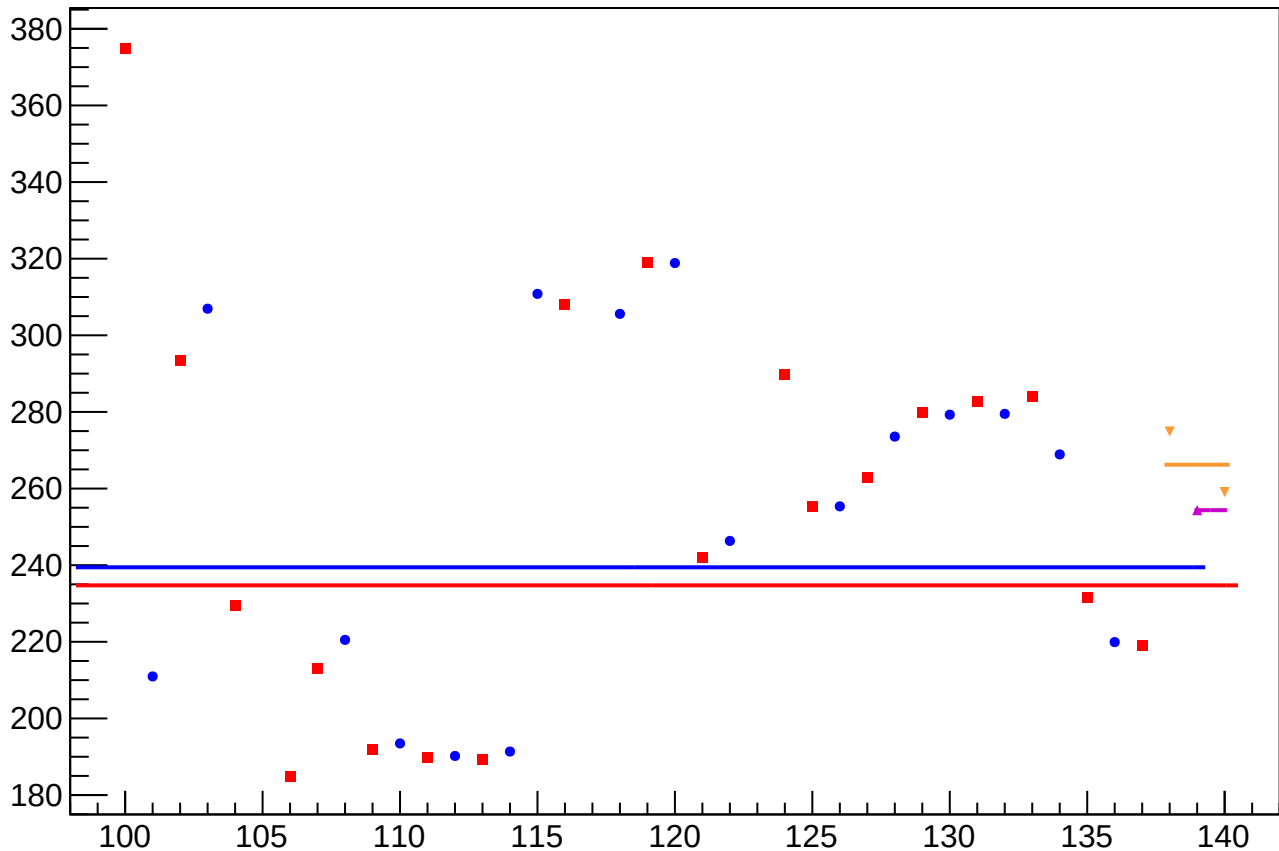
Left In: -15.859 ± 277.130 $\chi^2/\text{NDF}: 0.0/0$

+ sign 86.191 ± 83.216 $\chi^2/\text{NDF}: 27.2/17$

All: -59.043 ± 59.050 $\chi^2/\text{NDF}: 45.2/37$

- sign -206.342 ± 83.805 $\chi^2/\text{NDF}: 11.9/19$

cor_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400958.1/15

Left Out: 266.231 $\pm$ 0.149 χ^2 /NDF:2805.4/1

Right Out: 234.733 $\pm$ 0.062 χ^2 /NDF: 485238.4/18

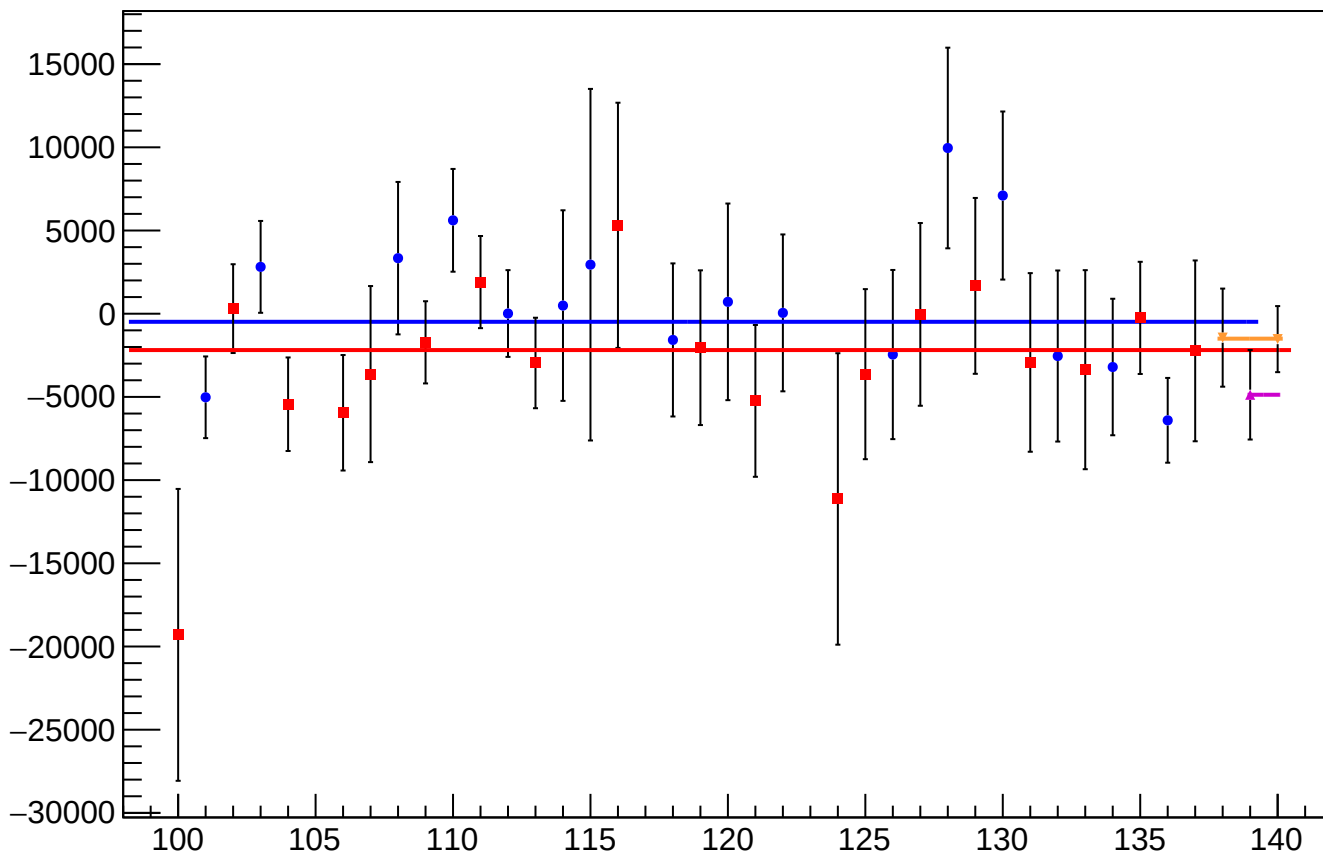
Left In: 254.358 $\pm$ 0.196 χ^2 /NDF:0.0/0

+ sign 243.646 $\pm$ 0.059 χ^2 /NDF: 431138.6/17

All: 240.112 $\pm$ 0.042 χ^2 /NDF: 932755.5/37

- sign 236.528 $\pm$ 0.059 χ^2 /NDF: 494351.2/19

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF : 0.0/1

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

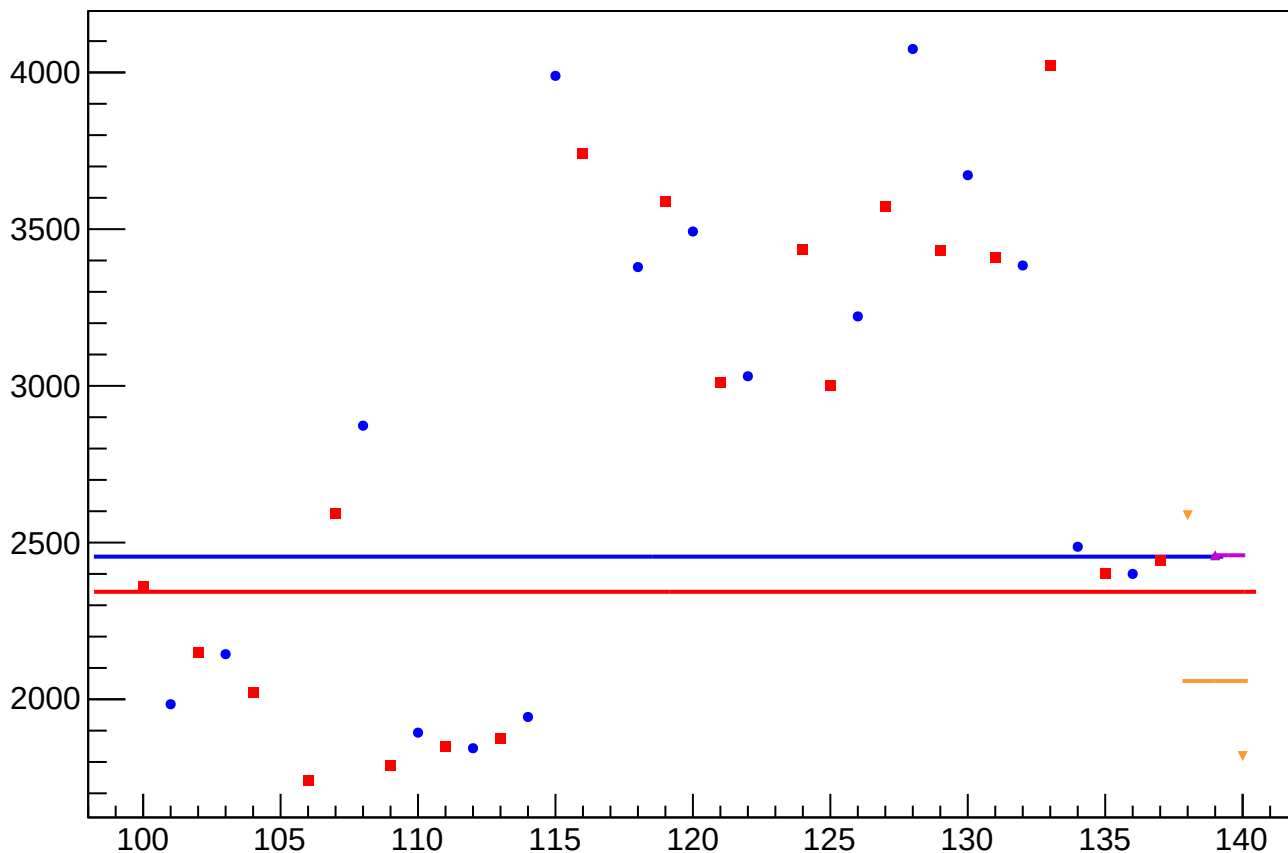
Left In: -4870.280+/-2690.917 χ^2/NDF : 0.0/0

+ sign -738.091+/-821.232 χ^2/NDF : 21.4/17

All: -1565.934+/-590.605 χ^2/NDF : 37.7/37

- sign -2452.781+/-849.995 χ^2/NDF : 14.1/19

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF : 93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

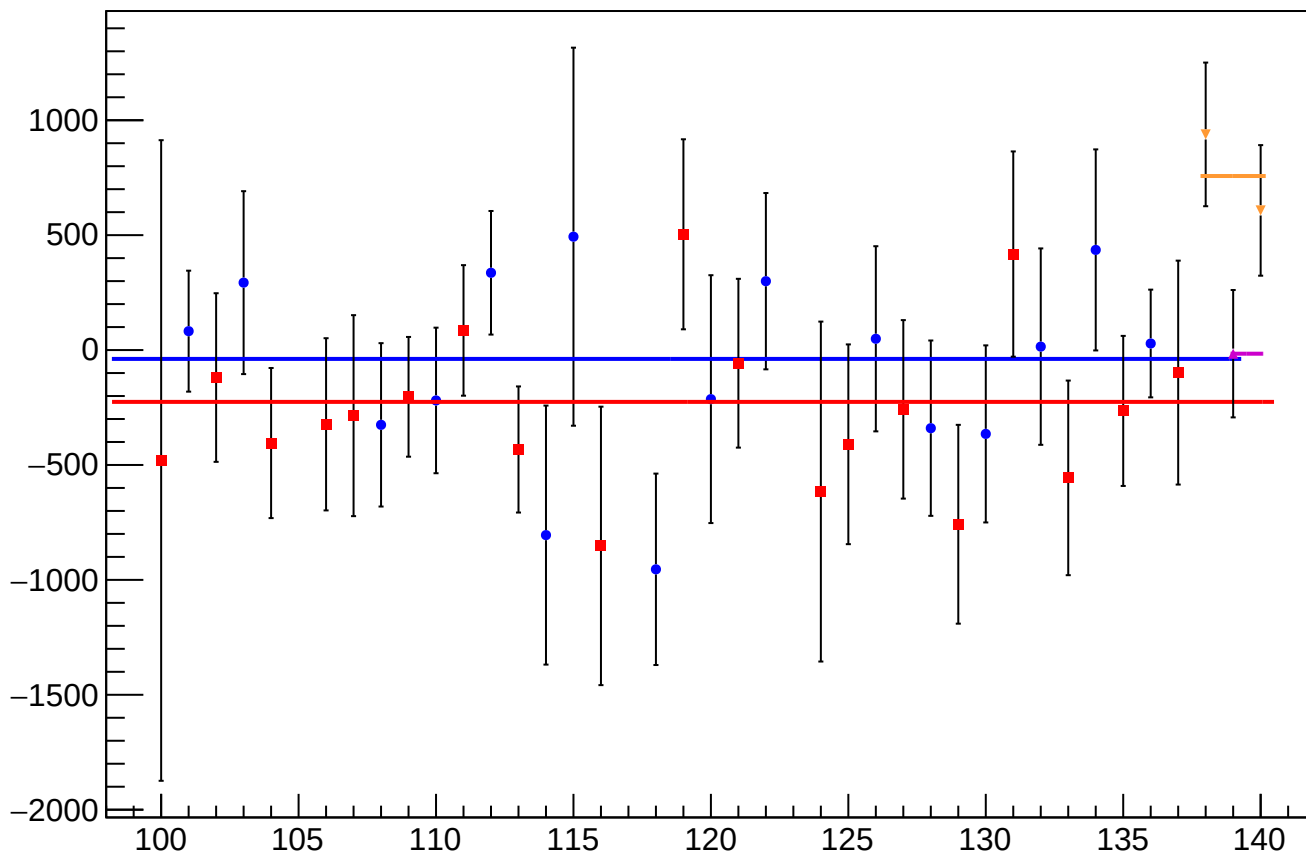
Left In: 2459.540+/-1.903 χ^2/NDF : 0.0/0

+ sign 2356.457+/-0.581 χ^2/NDF : 1075066.6/17

All: 2355.555+/-0.418 χ^2/NDF : 2148838.9/37

- sign 2354.588+/-0.601 χ^2/NDF : 1073767.4/19

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 757.296 ± 210.214 χ^2/NDF : 0.6/1

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

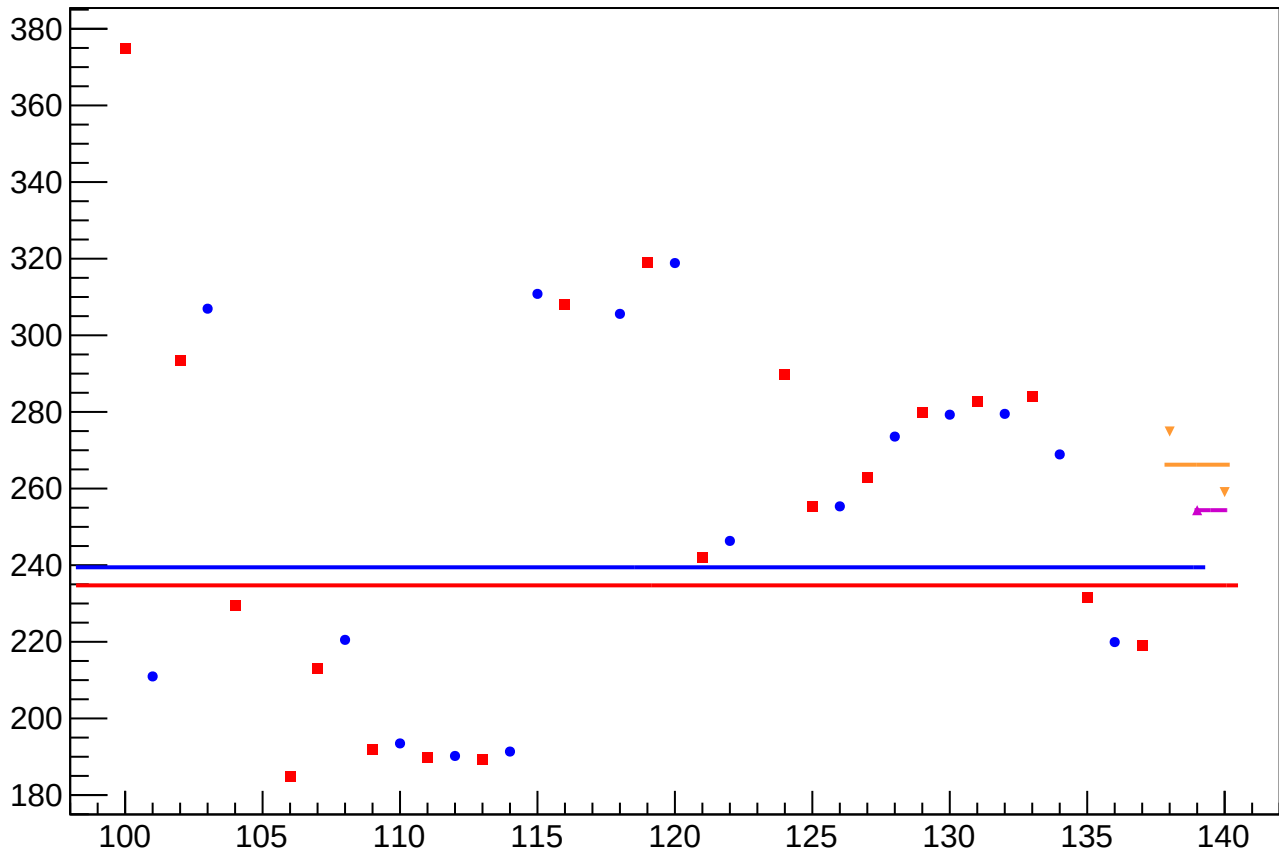
Left In: -15.859 ± 277.130 χ^2/NDF : 0.0/0

+ sign 86.191 ± 83.216 χ^2/NDF : 27.2/17

All: -59.043 ± 59.050 χ^2/NDF : 45.2/37

- sign -206.342 ± 83.805 χ^2/NDF : 11.9/19

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF : 400958.1/15

Left Out: 266.231+/-0.149 χ^2/NDF : 2805.4/1

Right Out: 234.733+/-0.062 χ^2/NDF : 485238.4/18

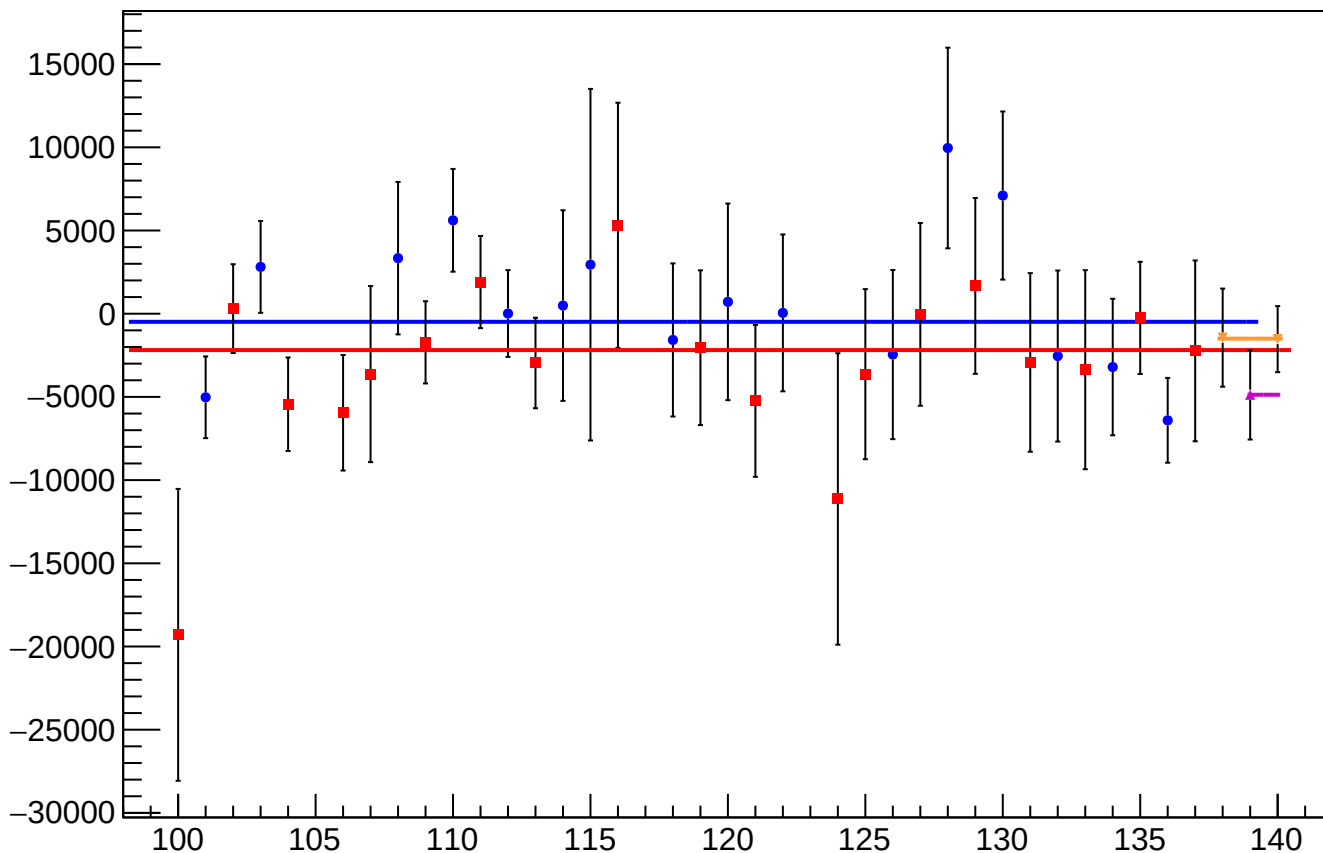
Left In: 254.358+/-0.196 χ^2/NDF : 0.0/0

+ sign 243.646+/-0.059 χ^2/NDF : 431138.6/17

All: 240.112+/-0.042 χ^2/NDF : 932755.5/37

- sign 236.528+/-0.059 χ^2/NDF : 494351.2/19

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF : 0.0/1

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

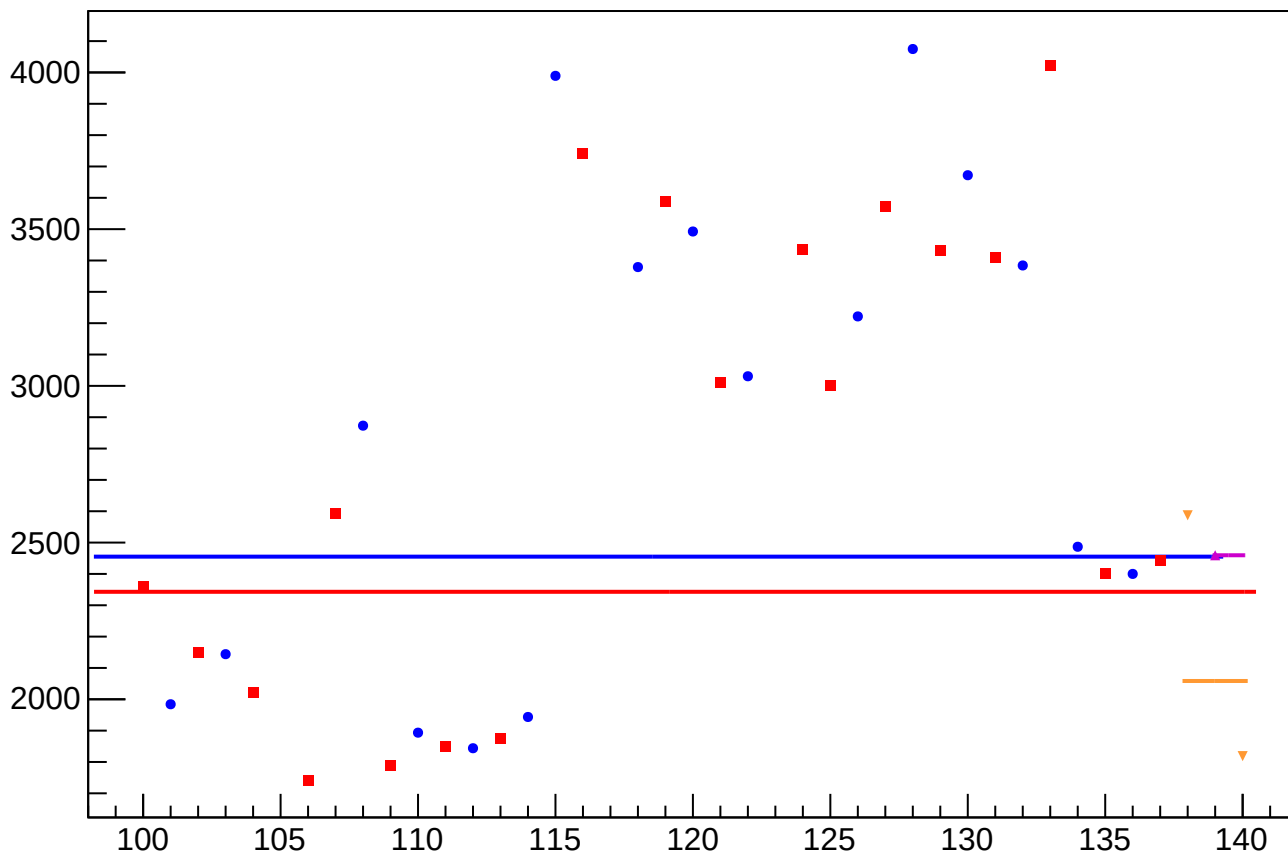
Left In: -4870.280+/-2690.917 χ^2/NDF : 0.0/0

+ sign -738.091+/-821.232 χ^2/NDF : 21.4/17

All: -1565.934+/-590.605 χ^2/NDF : 37.7/37

- sign -2452.781+/-849.995 χ^2/NDF : 14.1/19

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF : 93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

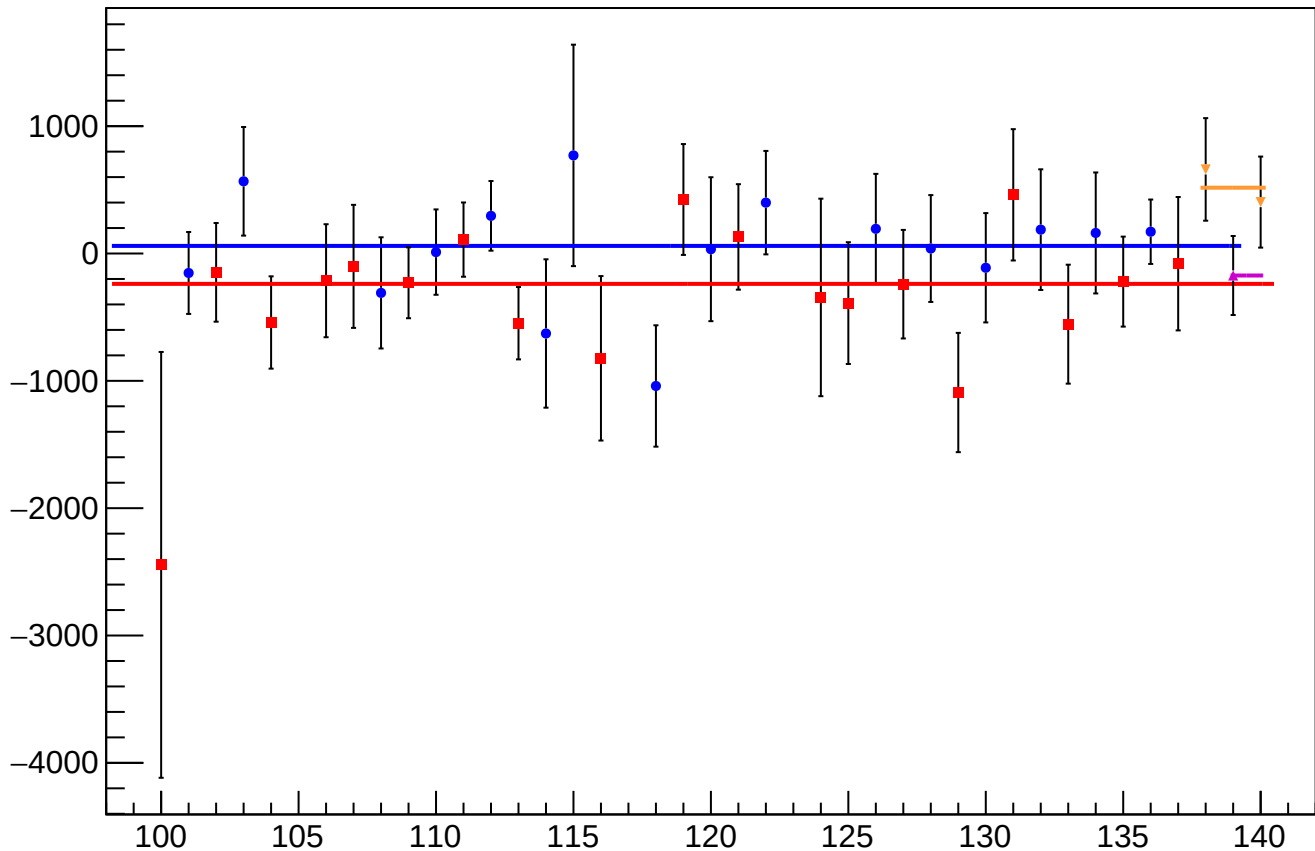
Left In: 2459.540+/-1.903 χ^2/NDF : 0.0/0

+ sign 2356.457+/-0.581 χ^2/NDF : 1075066.6/17

All: 2355.555+/-0.418 χ^2/NDF : 2148838.9/37

- sign 2354.588+/-0.601 χ^2/NDF : 1073767.4/19

dit_asym_sam4_mean vs Slug



Right In: 59.728 $\pm$ 99.230 χ^2 /NDF: 12.0/15

Left Out: 516.828 $\pm$ 267.341 χ^2 /NDF: 0.2/1

Right Out: -238.516 $\pm$ 95.062 χ^2 /NDF: 14.9/18

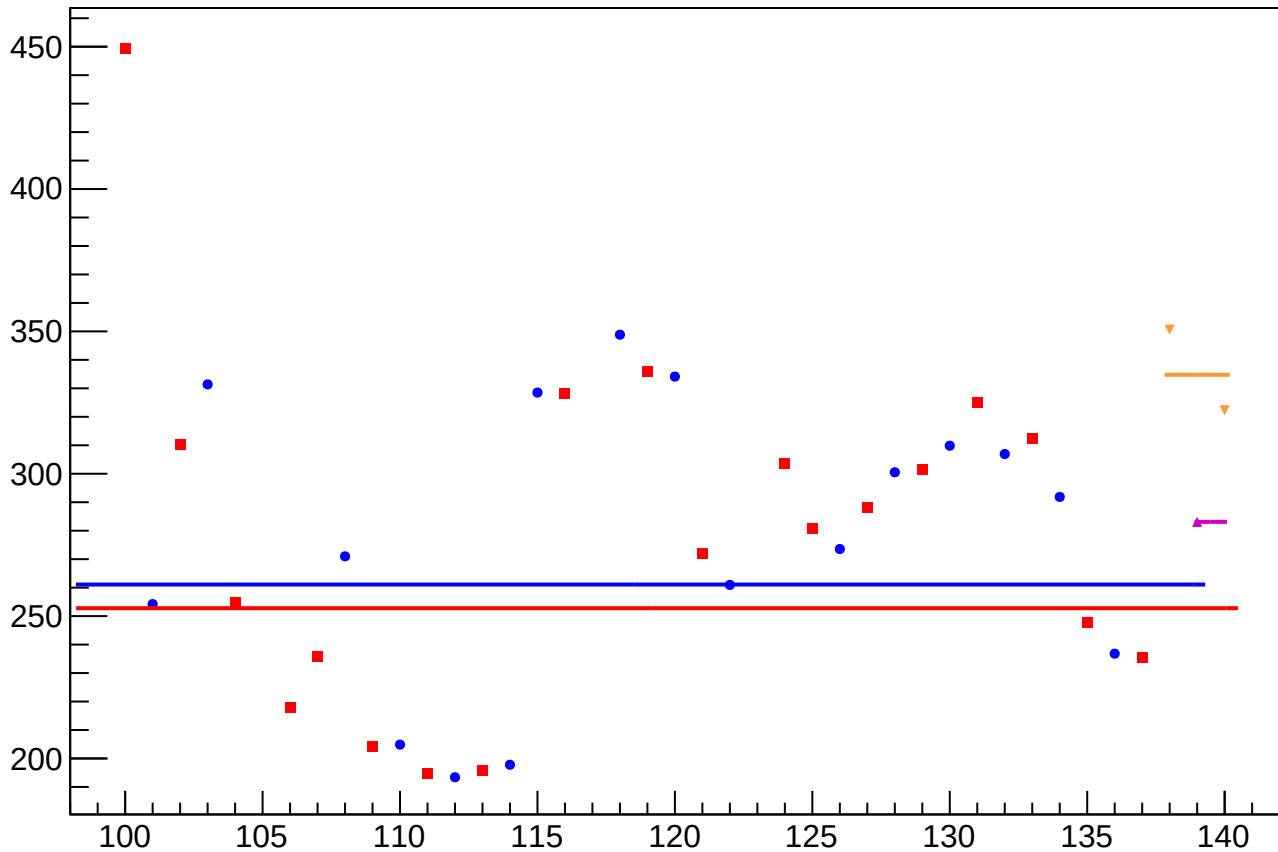
Left In: -172.741 $\pm$ 310.155 χ^2 /NDF: 0.0/0

+ sign 115.077 $\pm$ 93.028 χ^2 /NDF: 14.8/17

All: -62.942 $\pm$ 65.011 χ^2 /NDF: 36.9/37

- sign -232.867 $\pm$ 90.889 χ^2 /NDF: 15.0/19

dit_asym_sam4_rms vs Slug



Right In: 261.089 $\pm$ 0.070 χ^2 /NDF: 462662.2/15

Left Out: 334.756 $\pm$ 0.189 χ^2 /NDF:5529.7/1

Right Out: 252.787 $\pm$ 0.067 χ^2 /NDF: 537290.6/18

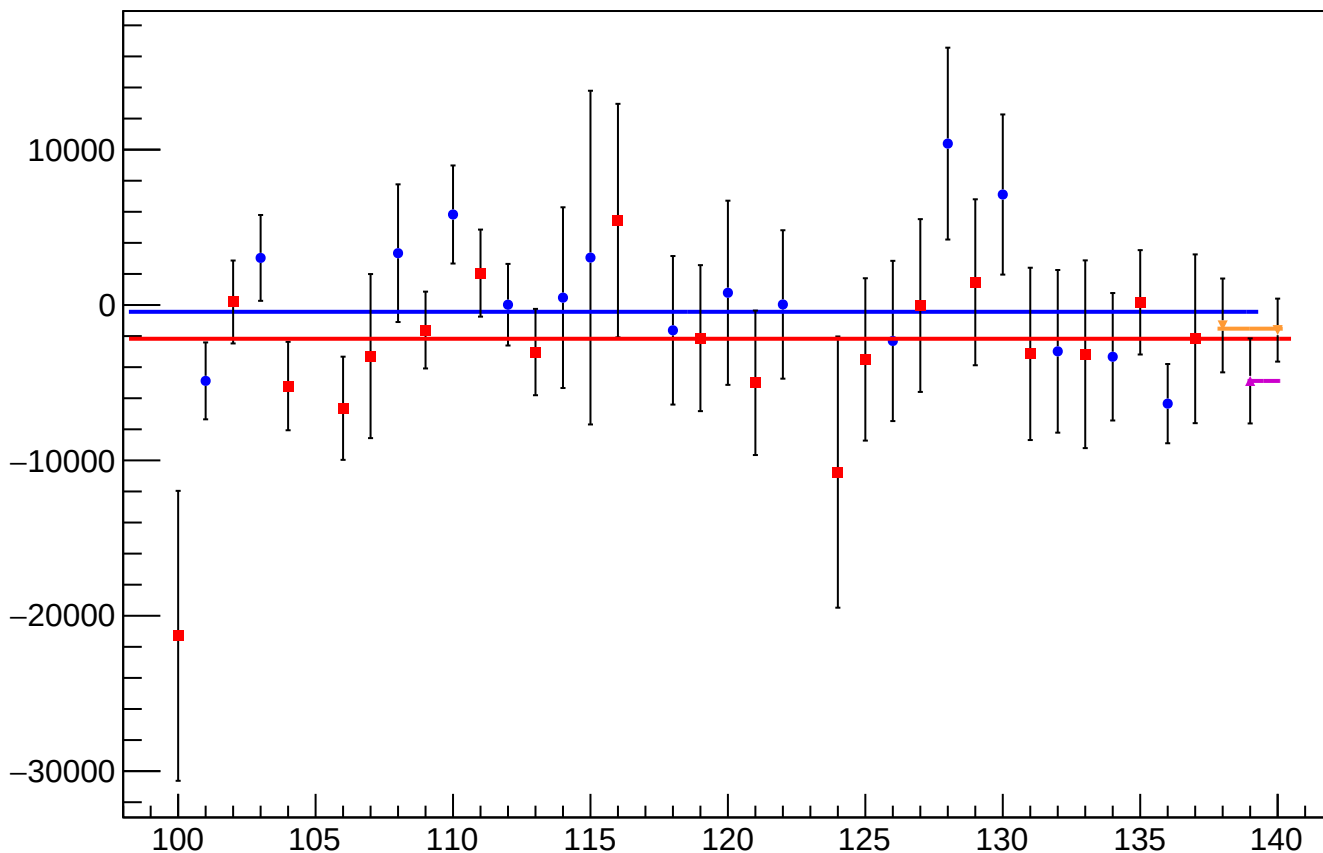
Left In: 283.102 $\pm$ 0.219 χ^2 /NDF:0.0/0

+ sign 270.009 $\pm$ 0.066 χ^2 /NDF: 601665.6/17

All: 262.530 $\pm$ 0.046 χ^2 /NDF: 1181690.6/37

- sign 255.390 $\pm$ 0.064 χ^2 /NDF: 554757.0/19

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732 ± 955.134 χ^2/NDF : 21.2/15

Left Out: -1522.036 ± 1683.154 χ^2/NDF : 0.0/1

Right Out: -2172.091 ± 901.102 χ^2/NDF : 14.0/18

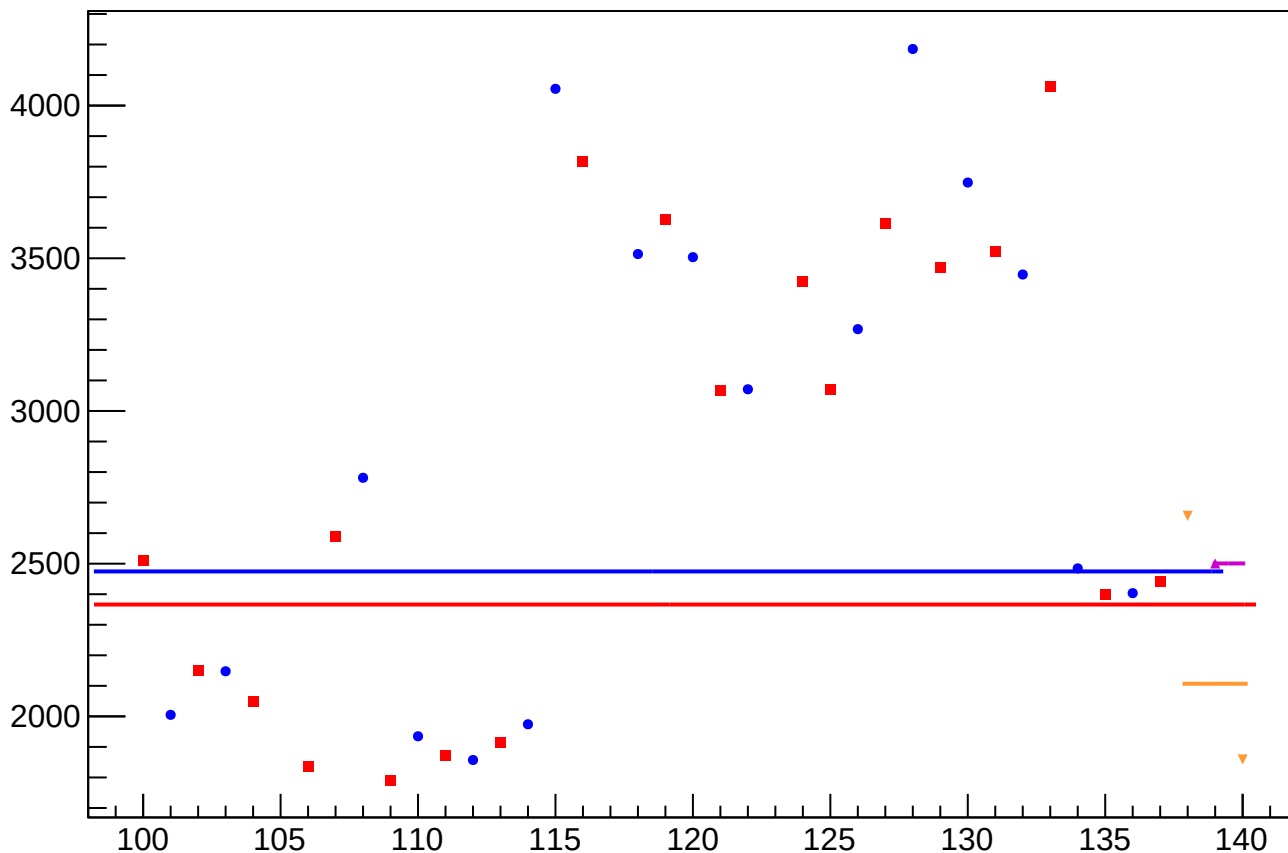
Left In: -4885.602 ± 2736.954 χ^2/NDF : 0.0/0

+ sign -701.092 ± 830.702 χ^2/NDF : 21.5/17

All: -1543.333 ± 596.107 χ^2/NDF : 38.5/37

- sign -2437.459 ± 855.907 χ^2/NDF : 14.9/19

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF : 916250.9/15

Left Out: 2106.847+/-1.190 χ^2/NDF : 96204.8/1

Right Out: 2366.221+/-0.637 χ^2/NDF : 1077175.3/18

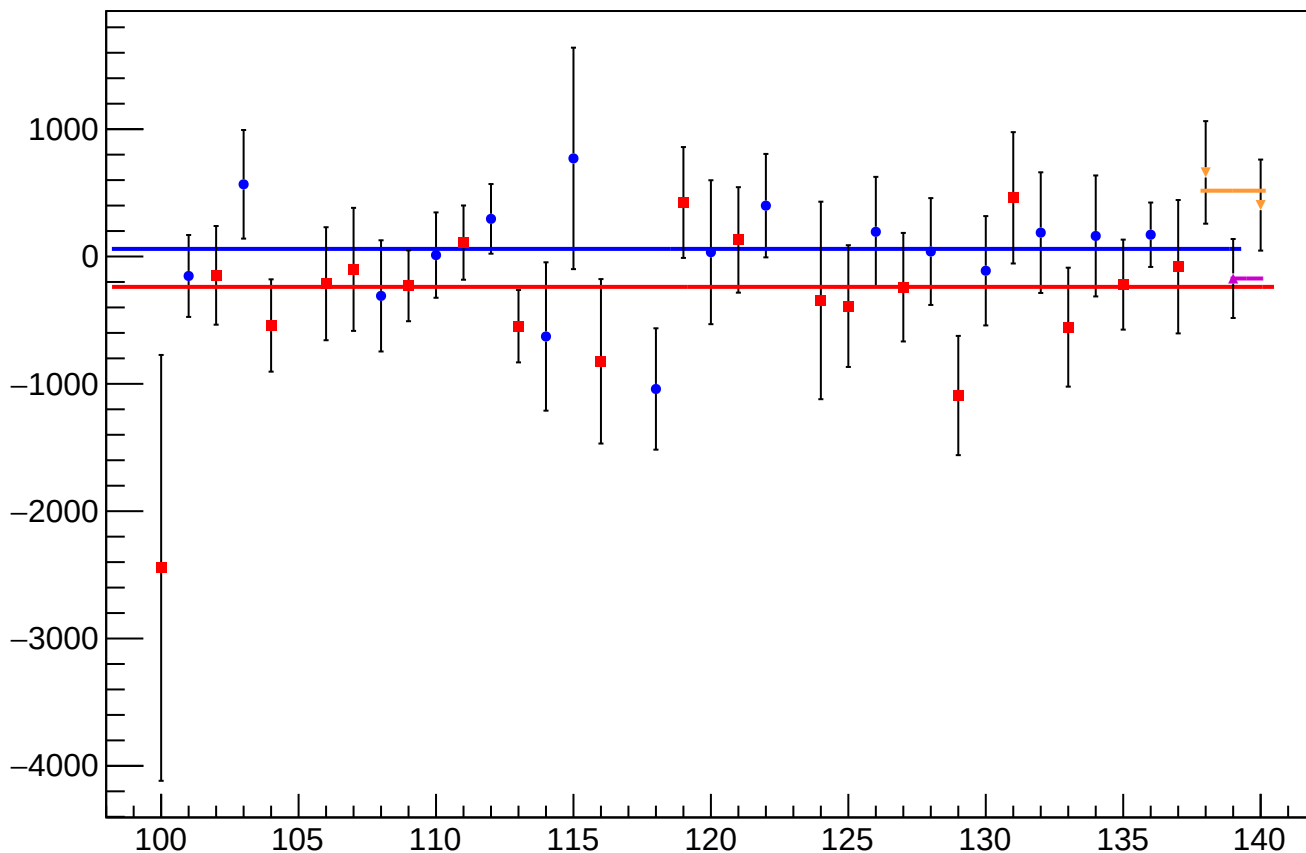
Left In: 2500.704+/-1.935 χ^2/NDF : 0.0/0

+ sign 2385.039+/-0.587 χ^2/NDF : 1084684.3/17

All: 2382.291+/-0.422 χ^2/NDF : 2166261.2/37

- sign 2379.373+/-0.605 χ^2/NDF : 1081531.8/19

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734 $\pm$ 99.230 χ^2 /NDF: 12.0/15

Left Out: 516.836 $\pm$ 267.341 χ^2 /NDF: 0.2/1

Right Out: -238.515 $\pm$ 95.062 χ^2 /NDF: 14.9/18

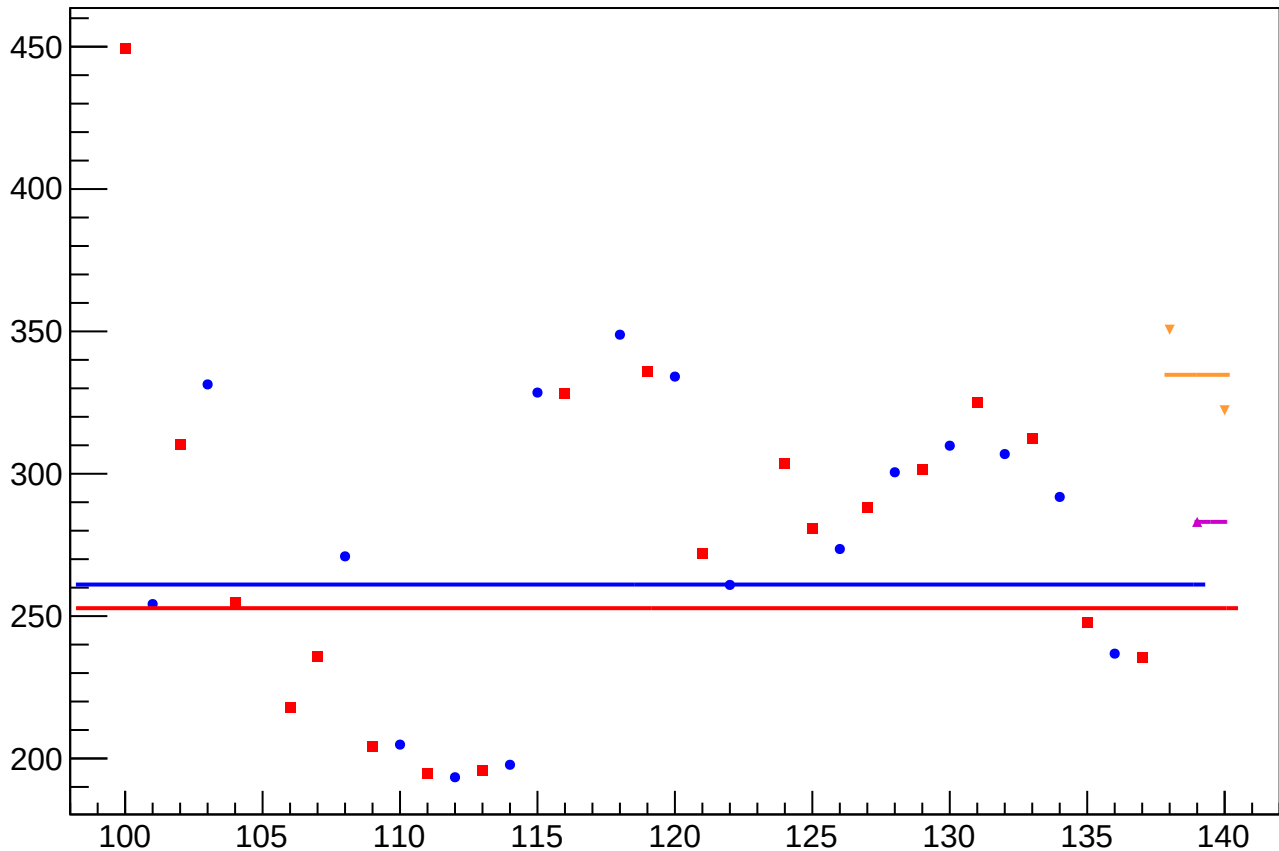
Left In: -172.730 $\pm$ 310.155 χ^2 /NDF: 0.0/0

+ sign 115.083 $\pm$ 93.028 χ^2 /NDF: 14.8/17

All: -62.938 $\pm$ 65.011 χ^2 /NDF: 36.9/37

- sign -232.866 $\pm$ 90.889 χ^2 /NDF: 15.0/19

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089 $\pm$ 0.070 χ^2 /NDF: 462665.3/15

Left Out: 334.756 $\pm$ 0.189 χ^2 /NDF: 5529.1/1

Right Out: 252.787 $\pm$ 0.067 χ^2 /NDF: 537293.8/18

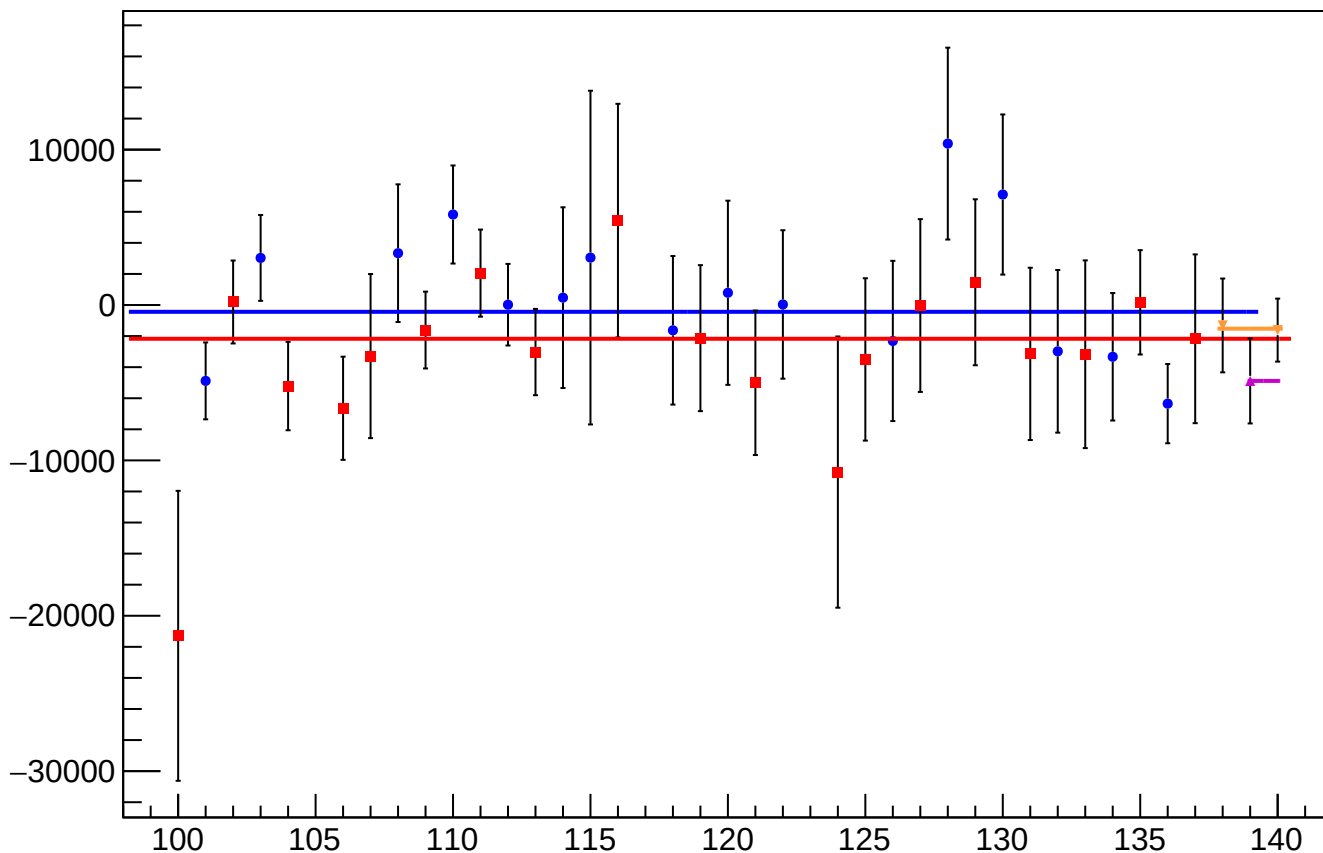
Left In: 283.102 $\pm$ 0.219 χ^2 /NDF: 0.0/0

+ sign 270.009 $\pm$ 0.066 χ^2 /NDF: 601667.8/17

All: 262.530 $\pm$ 0.046 χ^2 /NDF: 1181695.7/37

- sign 255.390 $\pm$ 0.064 χ^2 /NDF: 554759.5/19

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731 ± 955.133 χ^2/NDF : 21.2/15

Left Out: -1522.031 ± 1683.149 χ^2/NDF : 0.0/1

Right Out: -2172.089 ± 901.101 χ^2/NDF : 14.0/18

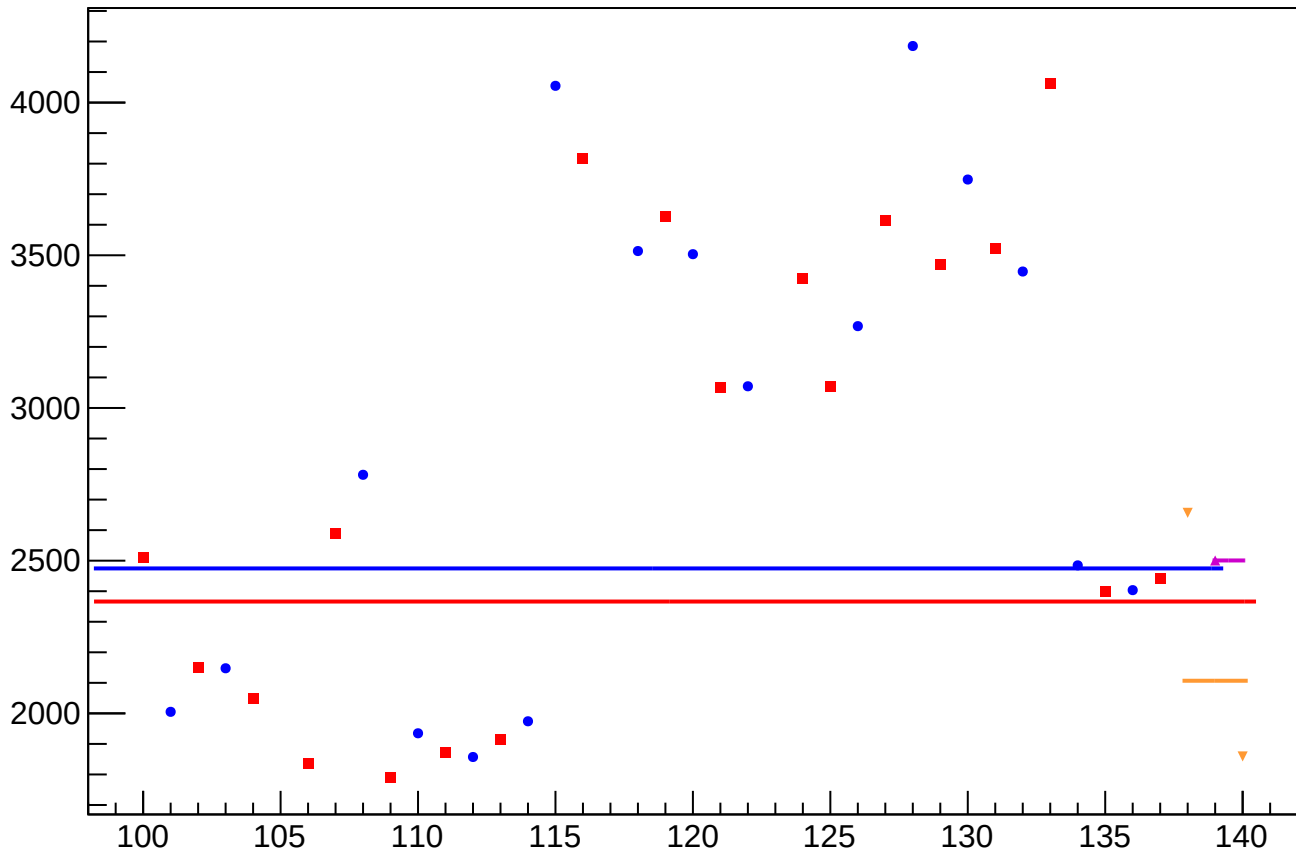
Left In: -4885.606 ± 2736.952 χ^2/NDF : 0.0/0

+ sign -701.090 ± 830.701 χ^2/NDF : 21.5/17

All: -1543.332 ± 596.106 χ^2/NDF : 38.5/37

- sign -2437.459 ± 855.906 χ^2/NDF : 14.9/19

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF : 916254.1/15

Left Out: 2106.842+/-1.190 χ^2/NDF : 96204.7/1

Right Out: 2366.219+/-0.637 χ^2/NDF : 1077177.7/18

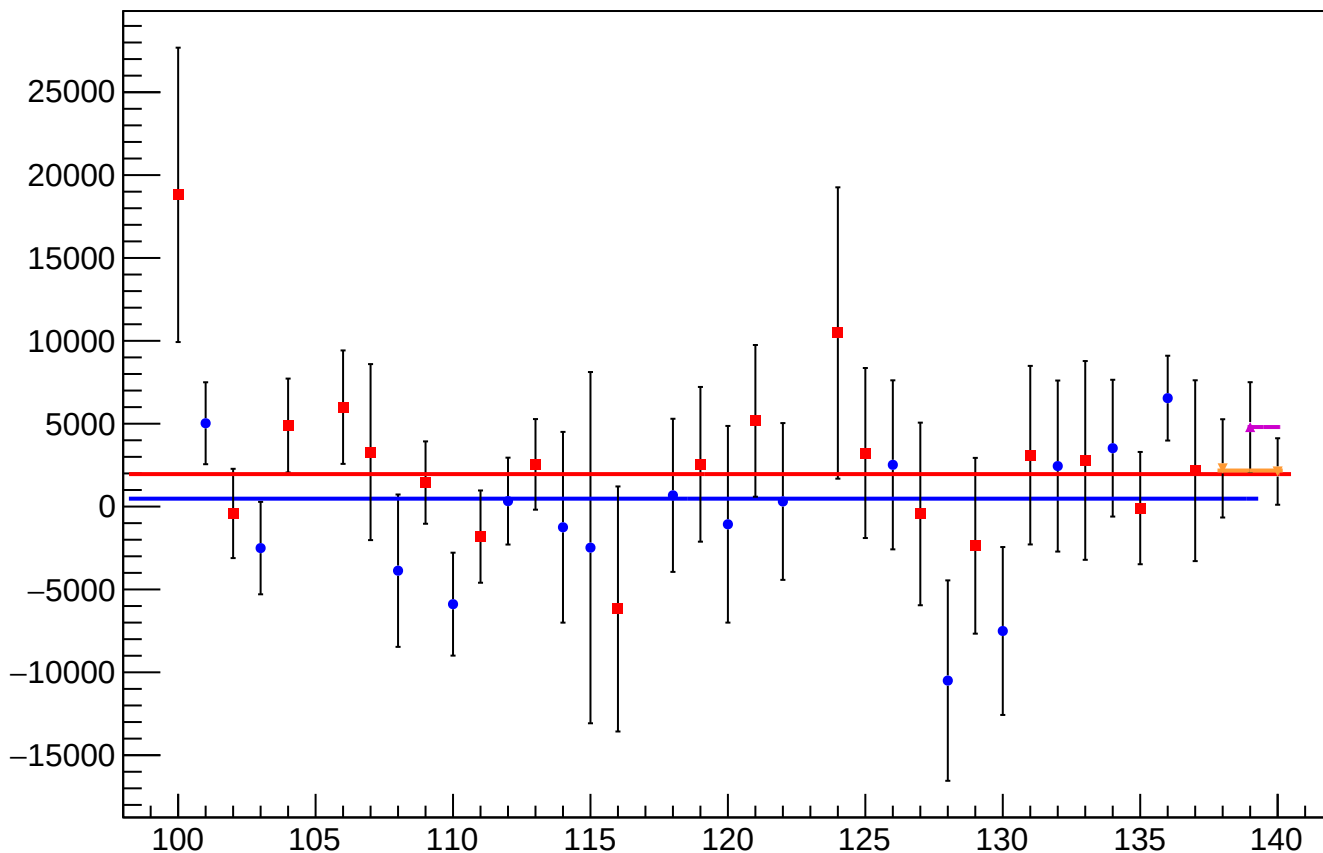
Left In: 2500.702+/-1.935 χ^2/NDF : 0.0/0

+ sign 2385.036+/-0.587 χ^2/NDF : 1084689.2/17

All: 2382.288+/-0.422 χ^2/NDF : 2166268.5/37

- sign 2379.371+/-0.605 χ^2/NDF : 1081534.2/19

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF : 22.1/15

Left Out: 2175.480+/-1661.595 χ^2/NDF : 0.0/1

Right Out: 1959.491+/-899.702 χ^2/NDF : 12.8/18

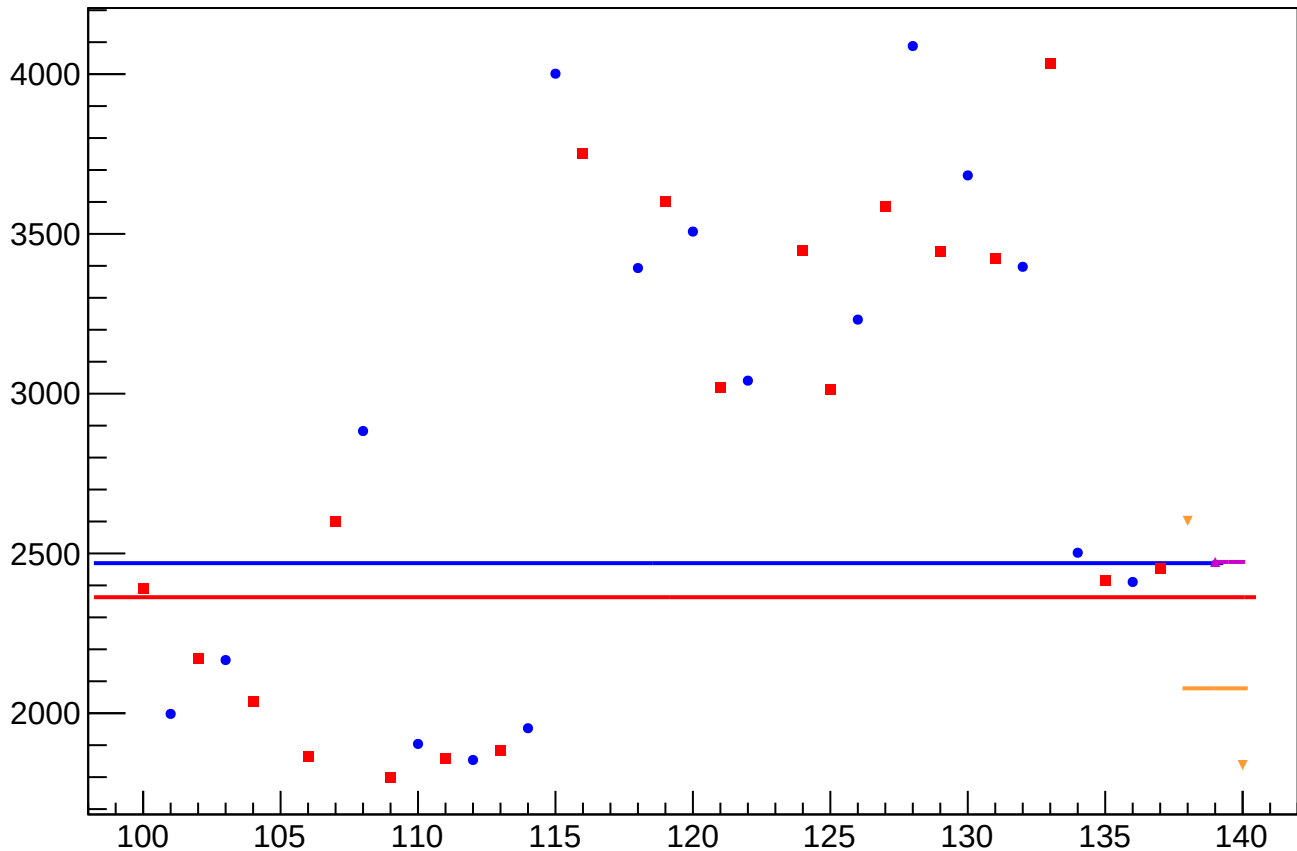
Left In: 4799.395+/-2705.759 χ^2/NDF : 0.0/0

+ sign 897.472+/-826.519 χ^2/NDF : 22.9/17

All: 1548.067+/-593.828 χ^2/NDF : 38.0/37

- sign 2242.225+/-853.742 χ^2/NDF : 13.8/19

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF : 886179.0/15

Left Out: 2077.870+/-1.175 χ^2/NDF : 91176.2/1

Right Out: 2363.052+/-0.636 χ^2/NDF : 1043344.3/18

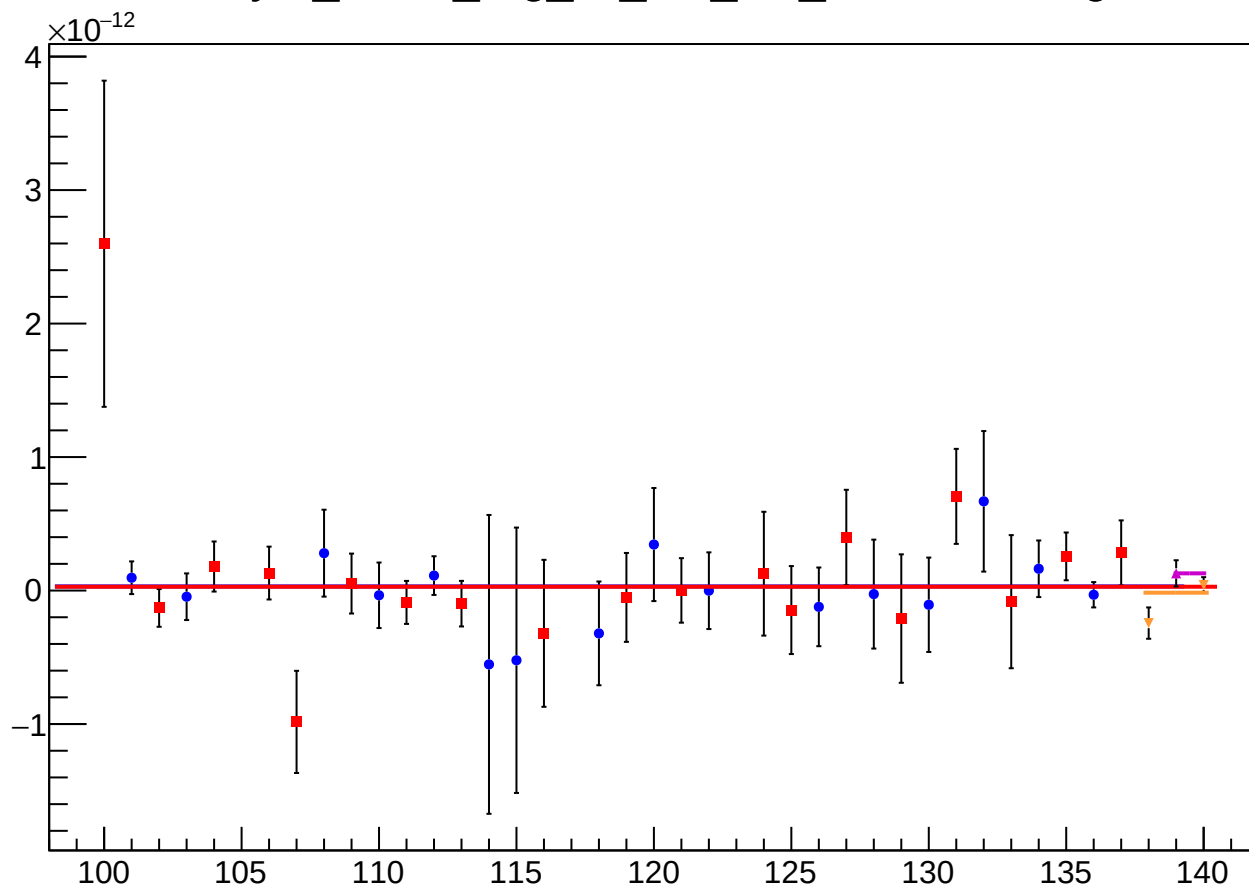
Left In: 2473.364+/-1.913 χ^2/NDF : 0.0/0

+ sign 2372.703+/-0.584 χ^2/NDF : 1061028.1/17

All: 2373.347+/-0.420 χ^2/NDF : 2107368.2/37

- sign 2374.035+/-0.604 χ^2/NDF : 1046337.6/19

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 : 4.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.2/18

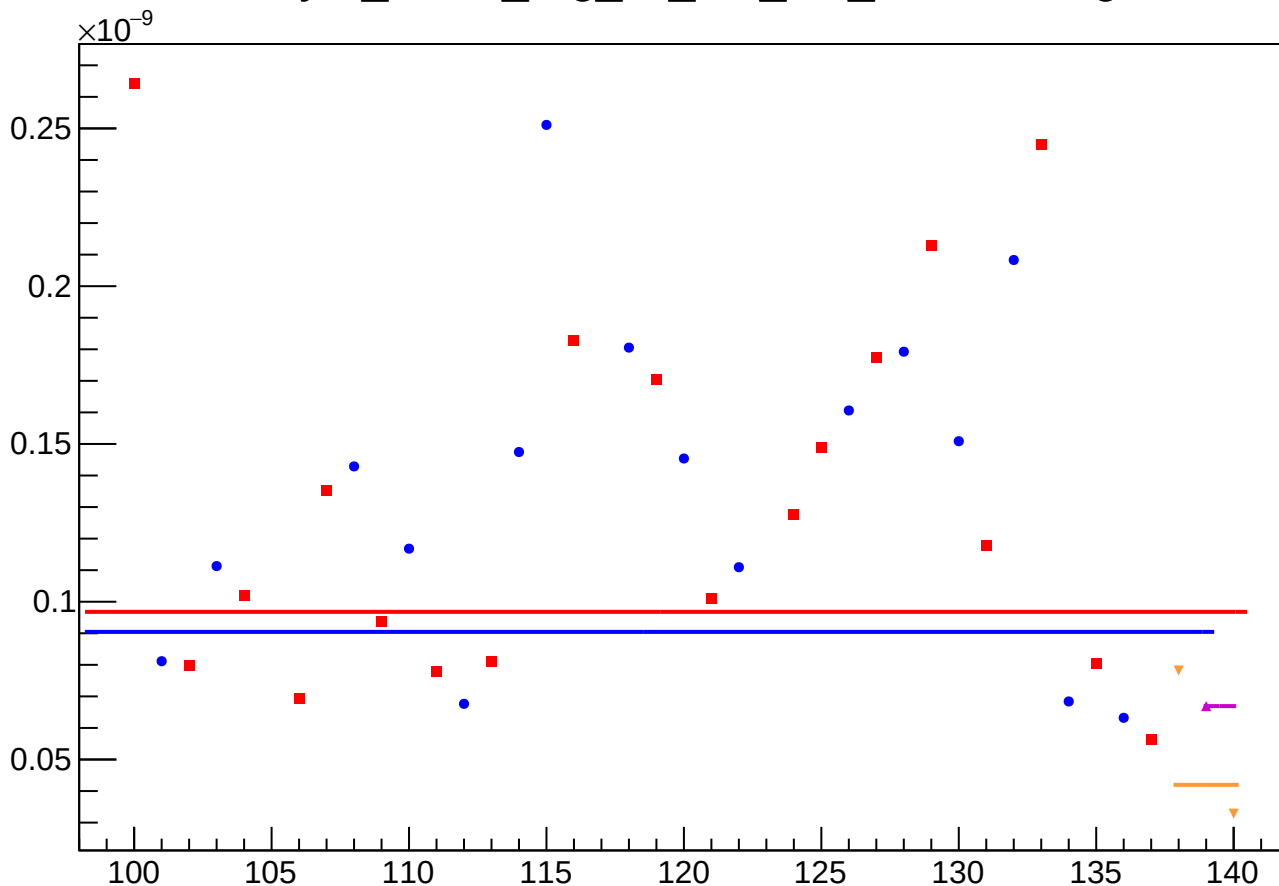
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 11.3/17

All: 0.000 ± 0.000 χ^2/NDF : 35.8/37

- sign 0.000 ± 0.000 χ^2/NDF : 24.0/19

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 238708.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 851500.3/18

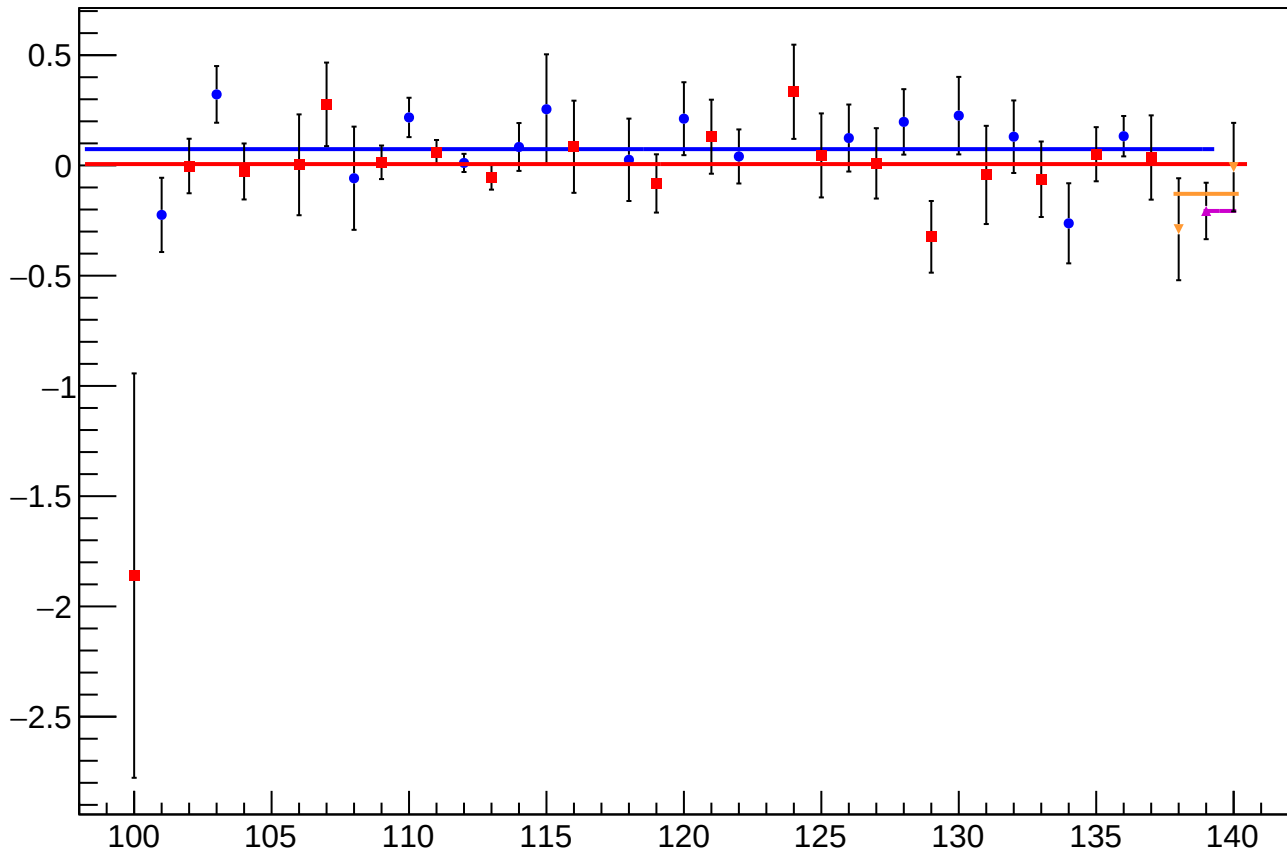
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2014862.6/17

All: 0.000+/-0.000 χ^2/NDF : 3294557.2/37

- sign 0.000+/-0.000 χ^2/NDF : 991450.0/19

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 χ^2/NDF : 19.0/15

Left Out: -0.129 ± 0.152 χ^2/NDF : 0.8/1

Right Out: 0.006 ± 0.027 χ^2/NDF : 16.4/18

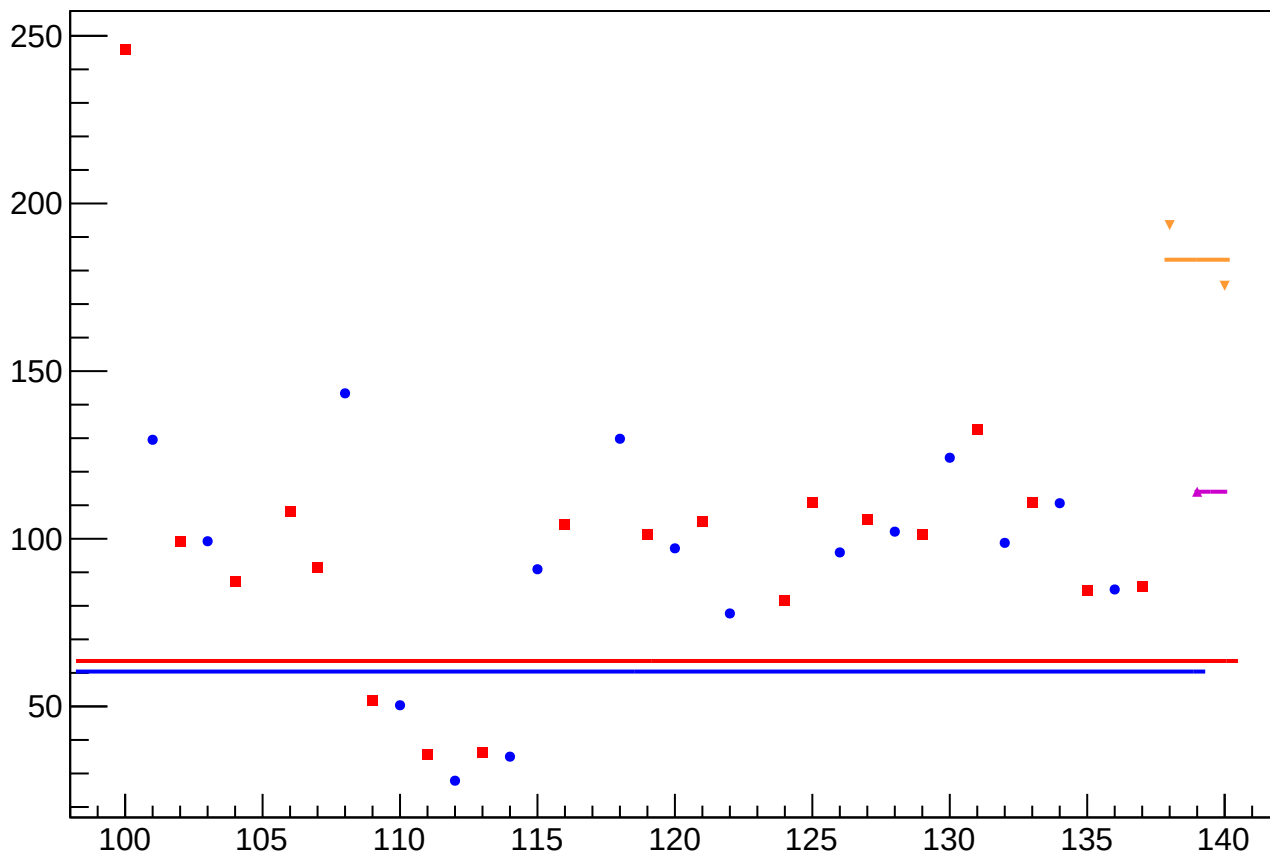
Left In: -0.206 ± 0.128 χ^2/NDF : 0.0/0

+ sign 0.068 ± 0.027 χ^2/NDF : 21.6/17

All: 0.032 ± 0.019 χ^2/NDF : 44.2/37

- sign -0.003 ± 0.026 χ^2/NDF : 19.1/19

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF : 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF : 6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF : 2654516.9/18

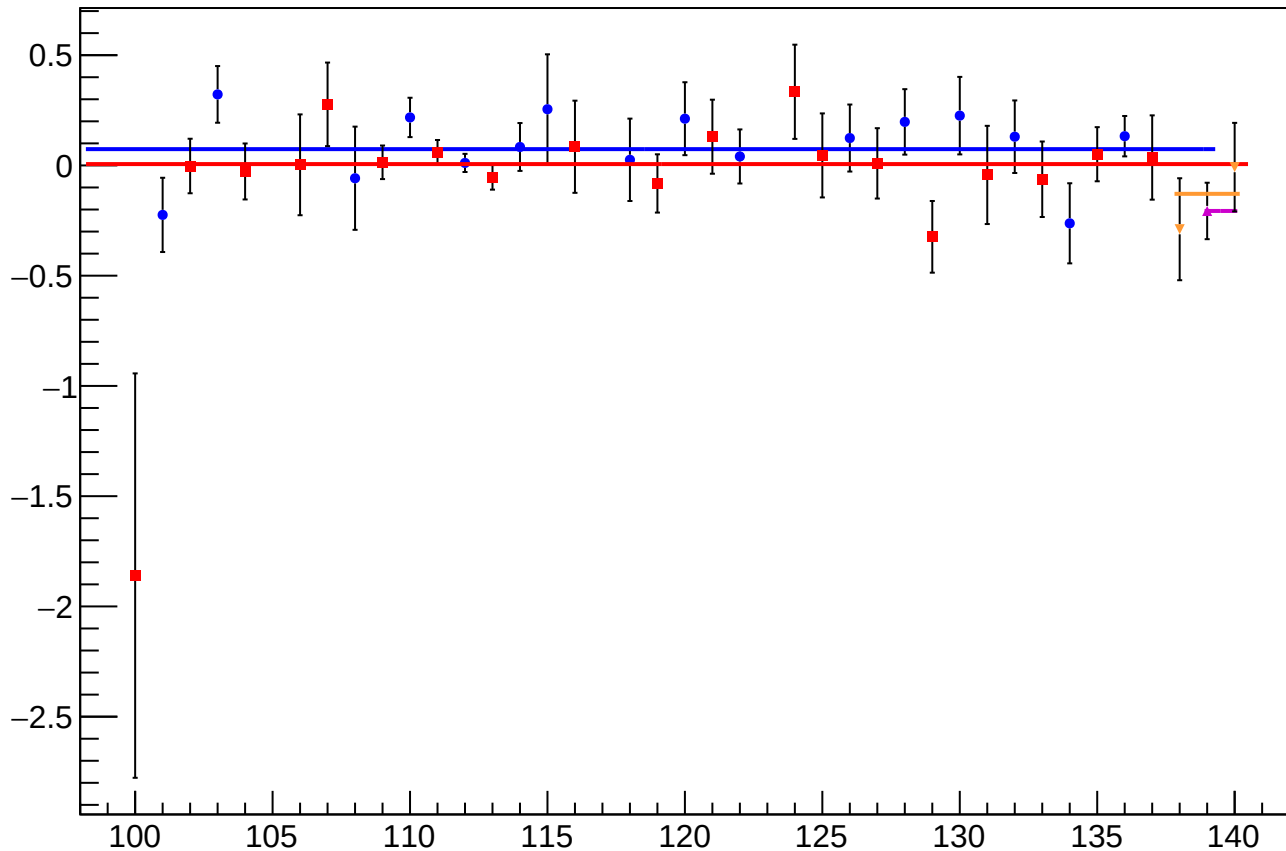
Left In: 114.035+/-0.091 χ^2/NDF : 0.0/0

+ sign 64.180+/-0.019 χ^2/NDF : 4817480.6/17

All: 64.938+/-0.013 χ^2/NDF : 7773154.6/37

- sign 65.677+/-0.019 χ^2/NDF : 2952466.3/19

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 $\pm$ 0.027 χ^2 /NDF: 19.0/15

Left Out: -0.129 $\pm$ 0.152 χ^2 /NDF: 0.8/1

Right Out: 0.006 $\pm$ 0.027 χ^2 /NDF: 16.4/18

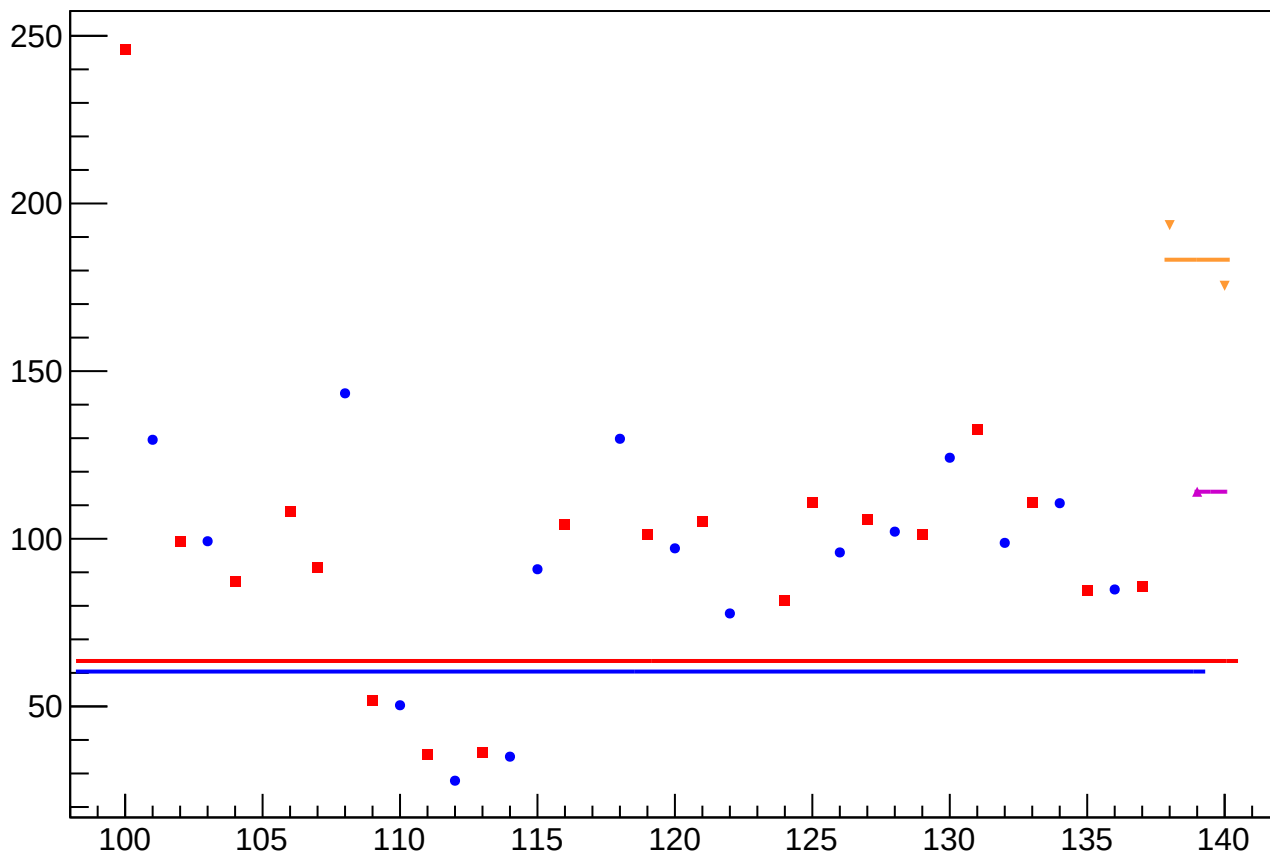
Left In: -0.206 $\pm$ 0.128 χ^2 /NDF: 0.0/0

+ sign 0.068 $\pm$ 0.027 χ^2 /NDF: 21.6/17

All: 0.032 $\pm$ 0.019 χ^2 /NDF: 44.2/37

- sign -0.003 $\pm$ 0.026 χ^2 /NDF: 19.1/19

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF : 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF : 6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF : 2654516.9/18

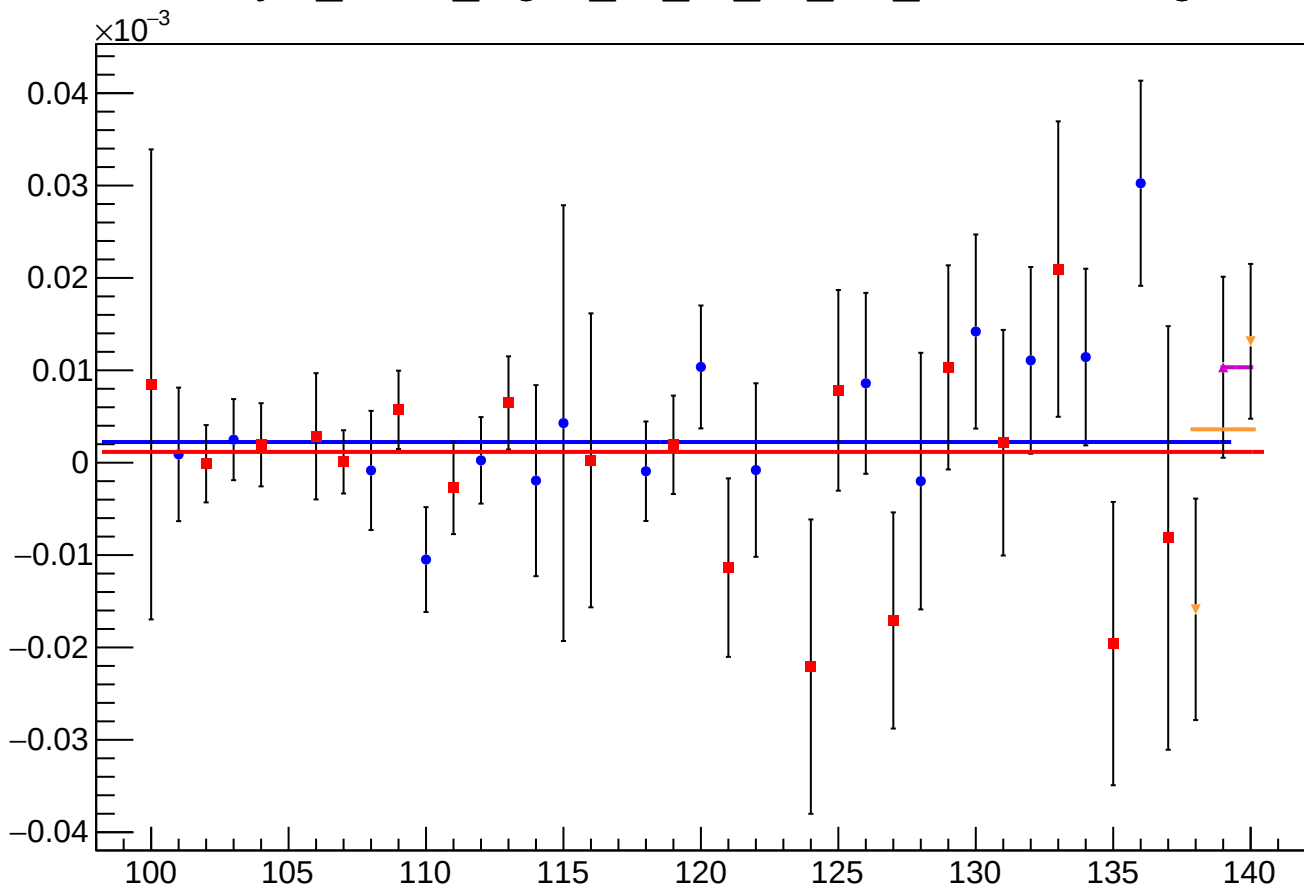
Left In: 114.035+/-0.091 χ^2/NDF : 0.0/0

+ sign 64.180+/-0.019 χ^2/NDF : 4817480.6/17

All: 64.938+/-0.013 χ^2/NDF : 7773154.6/37

- sign 65.677+/-0.019 χ^2/NDF : 2952466.3/19

asym_sam4_eigen_dit_vs_dit_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 : 3.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.1/18

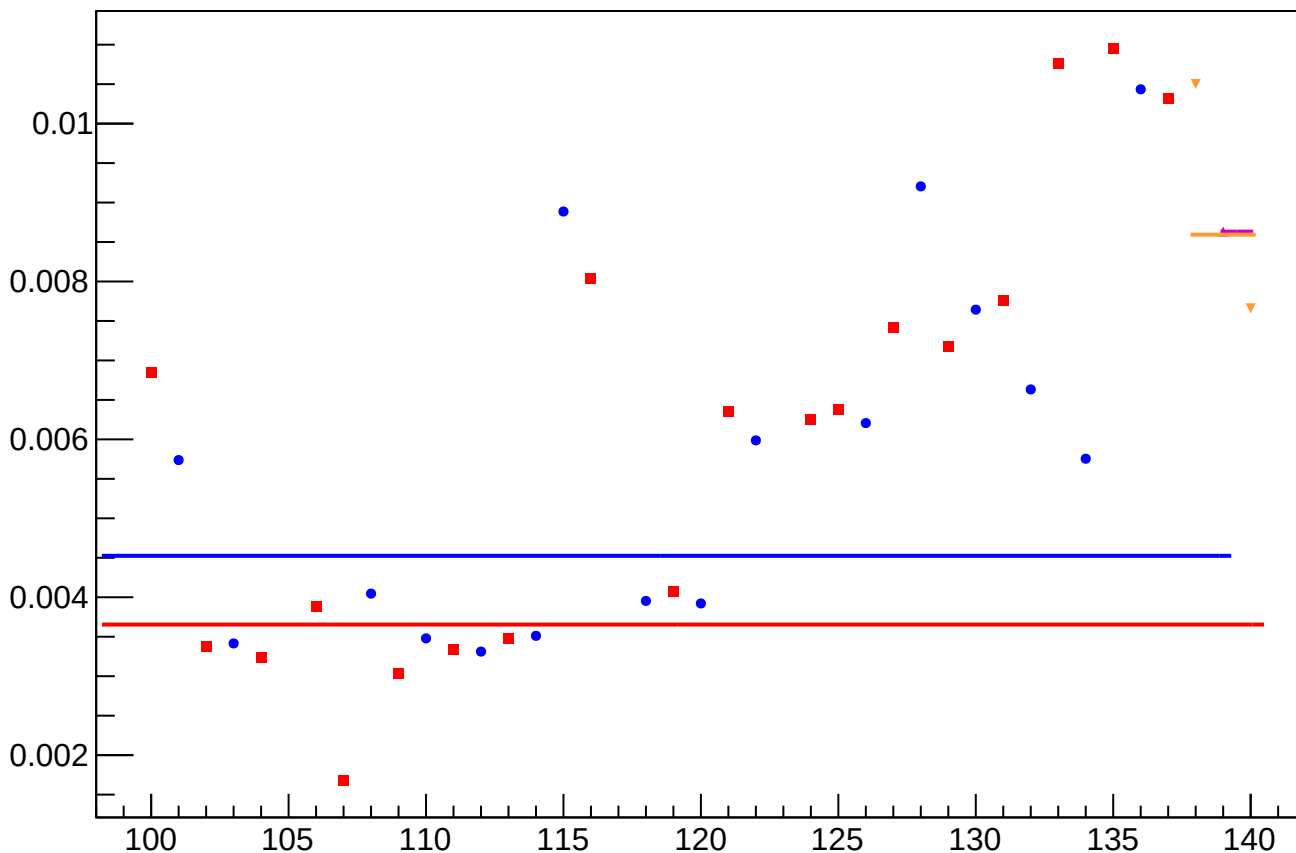
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 21.4/17

All: 0.000 ± 0.000 χ^2/NDF : 36.5/37

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

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1721333.3/15

Left Out: 0.009+/-0.000 χ^2/NDF : 75574.7/1

Right Out: 0.004+/-0.000 χ^2/NDF : 2933246.9/18

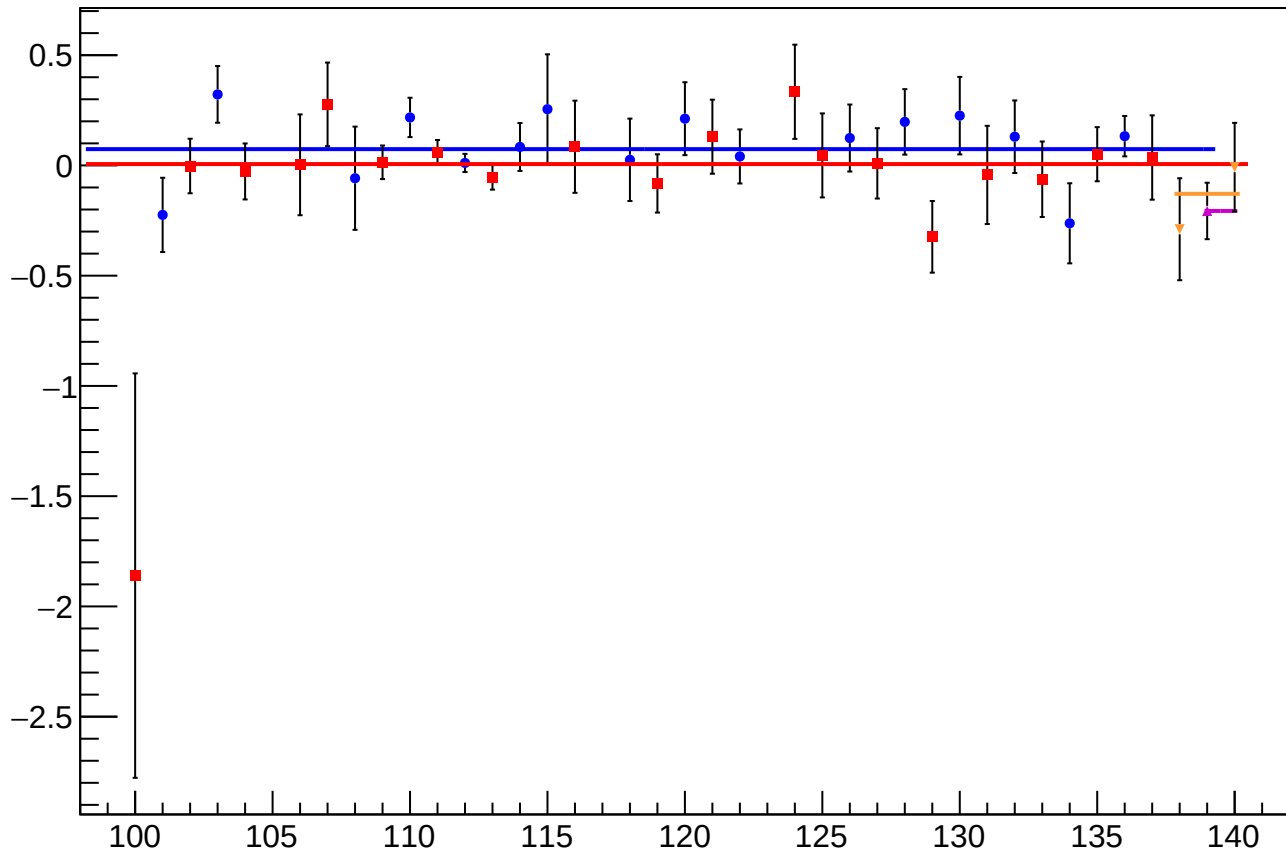
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.005+/-0.000 χ^2/NDF : 2453215.3/17

All: 0.004+/-0.000 χ^2/NDF : 6286986.9/37

- sign 0.004+/-0.000 χ^2/NDF : 3437521.8/19

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 $\pm$ 0.027 χ^2 /NDF: 19.0/15

Left Out: -0.129 $\pm$ 0.152 χ^2 /NDF: 0.8/1

Right Out: 0.006 $\pm$ 0.027 χ^2 /NDF: 16.4/18

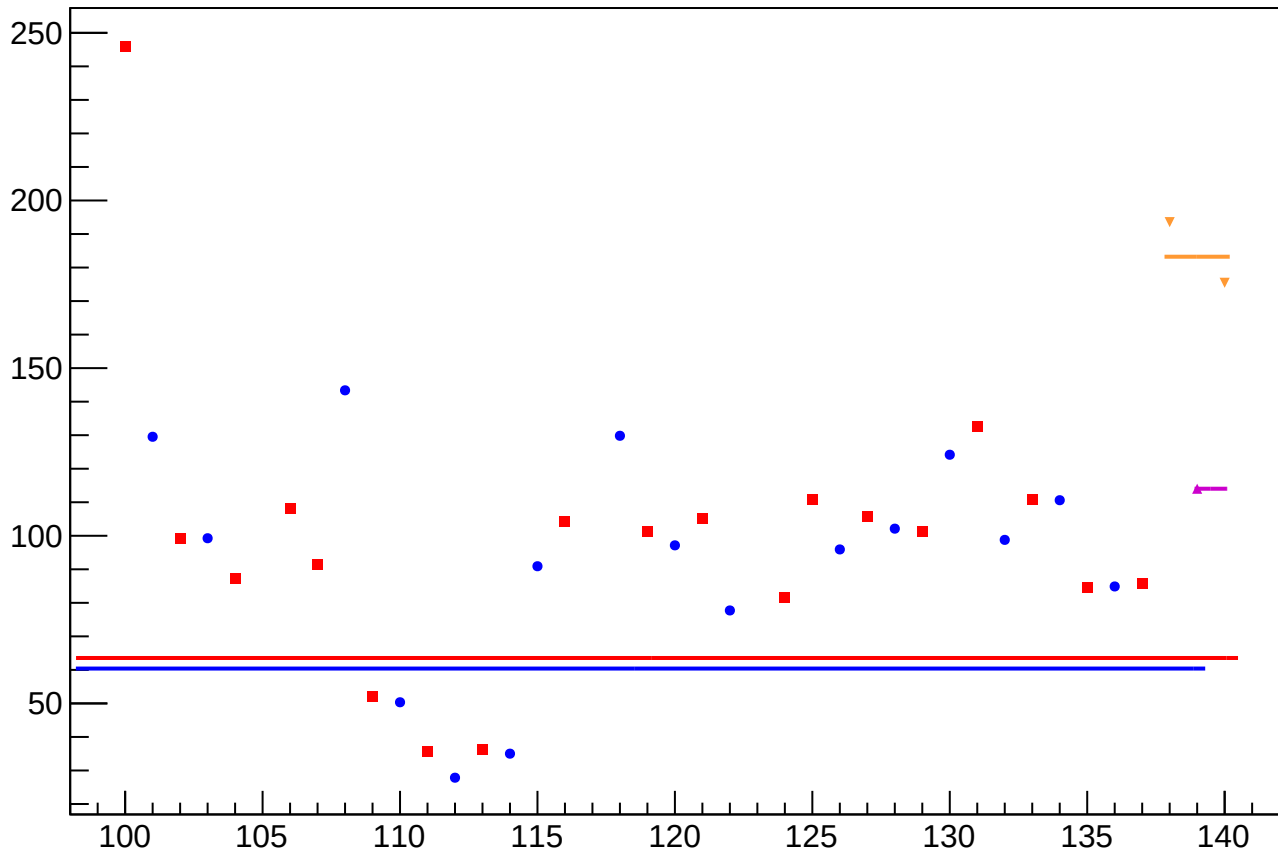
Left In: -0.206 $\pm$ 0.128 χ^2 /NDF: 0.0/0

+ sign 0.068 $\pm$ 0.027 χ^2 /NDF: 21.6/17

All: 0.032 $\pm$ 0.019 χ^2 /NDF: 44.2/37

- sign -0.003 $\pm$ 0.026 χ^2 /NDF: 19.1/19

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF : 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF : 6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

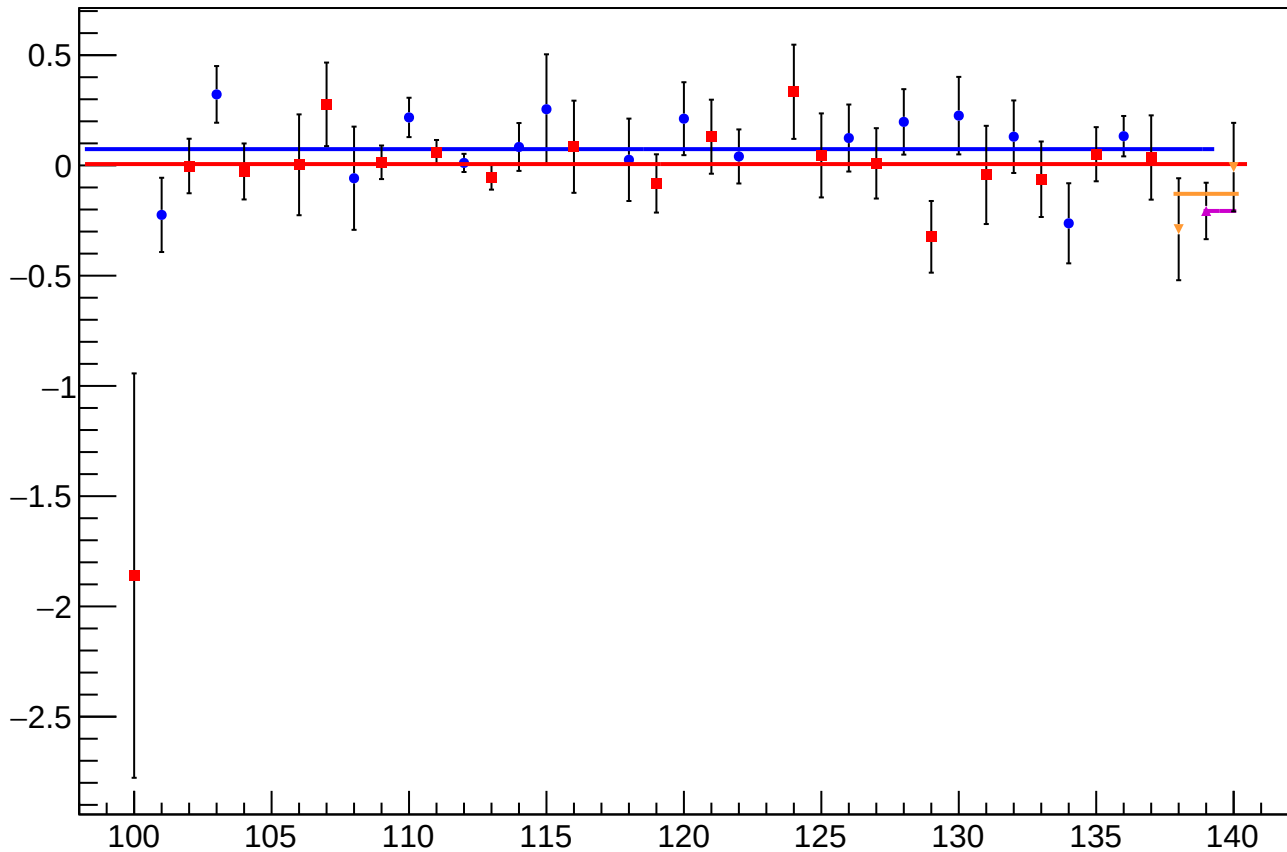
Left In: 114.034+/-0.091 χ^2/NDF : 0.0/0

+ sign 64.178+/-0.019 χ^2/NDF : 4817779.9/17

All: 64.936+/-0.013 χ^2/NDF : 7773737.6/37

- sign 65.675+/-0.019 χ^2/NDF : 2952748.2/19

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 $\pm$ 0.027 χ^2/NDF : 19.0/15

Left Out: -0.129 $\pm$ 0.152 χ^2/NDF : 0.8/1

Right Out: 0.006 $\pm$ 0.027 χ^2/NDF : 16.4/18

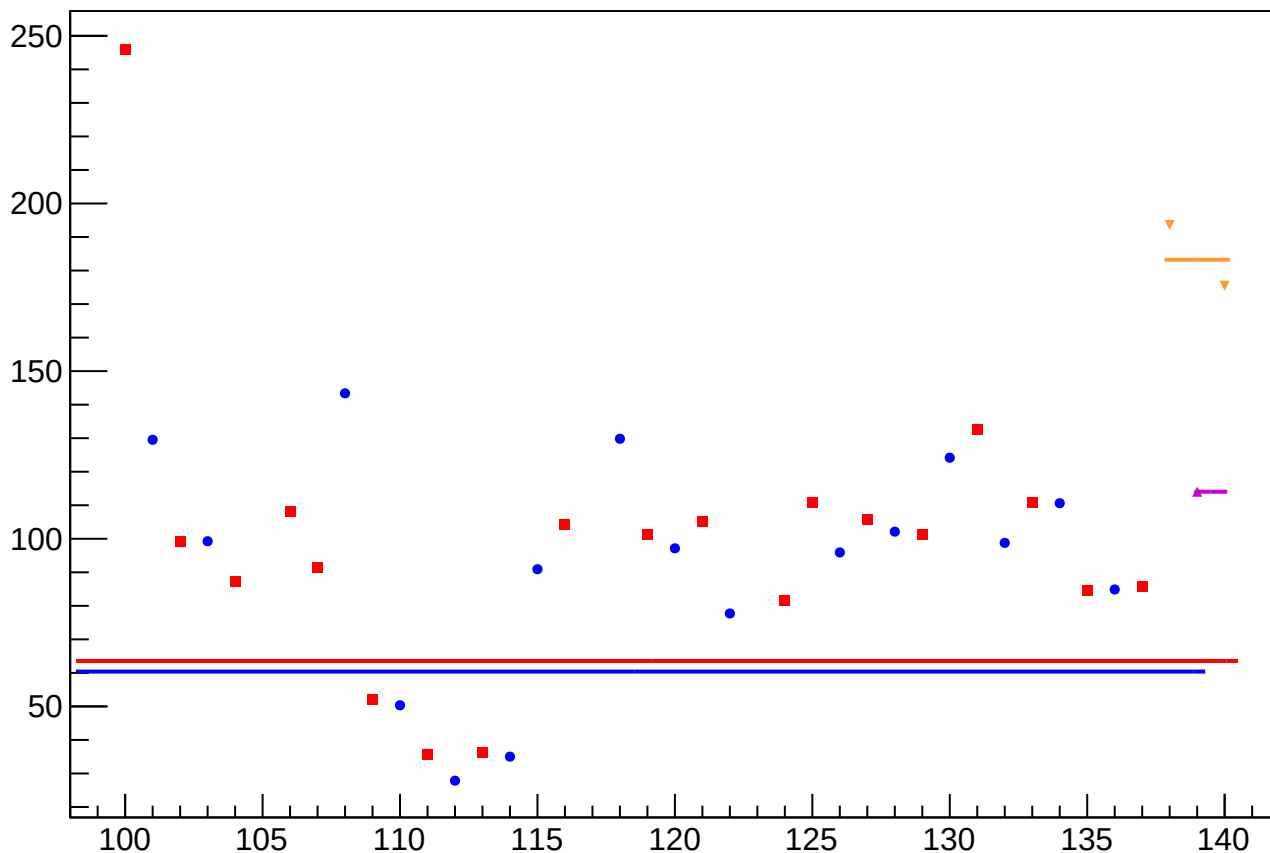
Left In: -0.206 $\pm$ 0.128 χ^2/NDF : 0.0/0

+ sign 0.068 $\pm$ 0.027 χ^2/NDF : 21.6/17

All: 0.032 $\pm$ 0.019 χ^2/NDF : 44.2/37

- sign -0.003 $\pm$ 0.026 χ^2/NDF : 19.1/19

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF : 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF : 6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

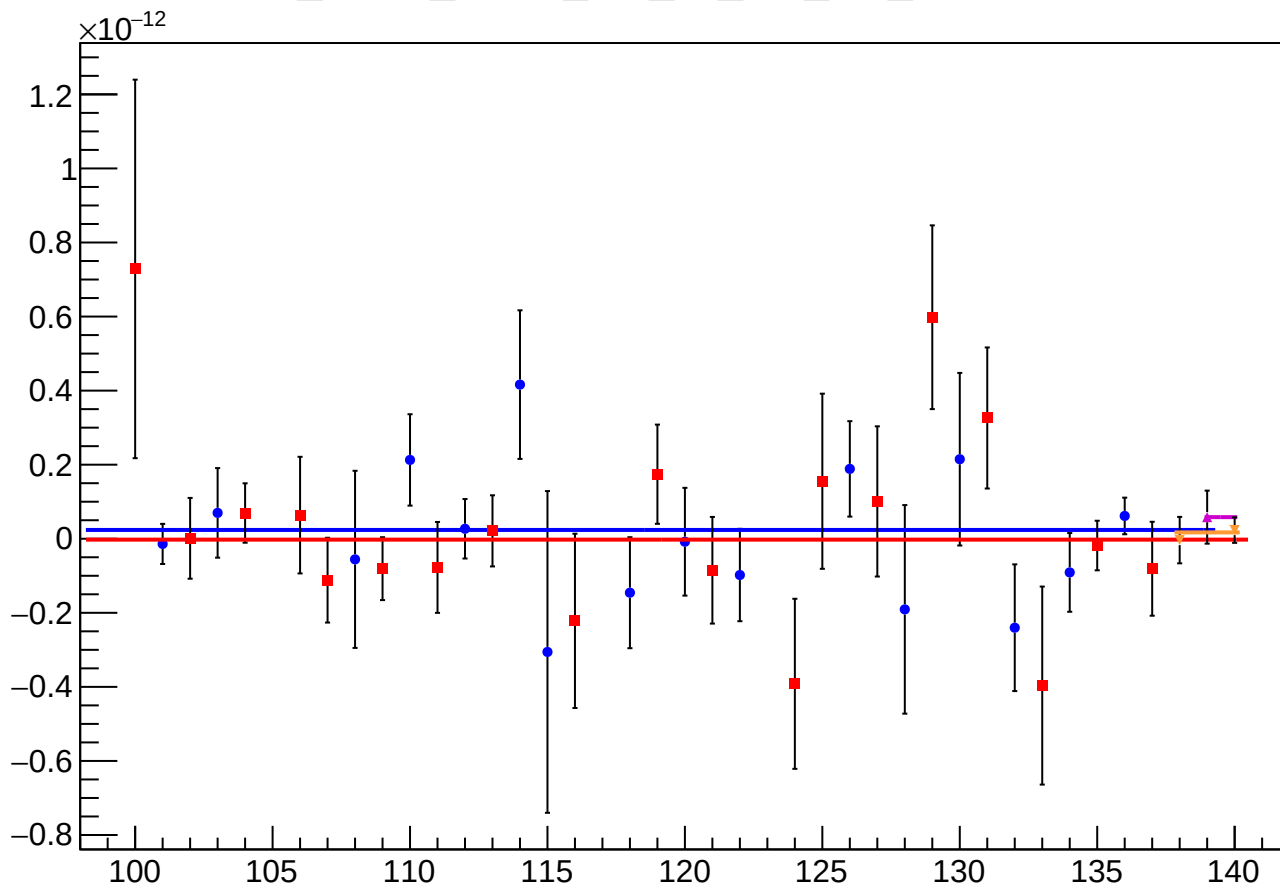
Left In: 114.034+/-0.091 χ^2/NDF : 0.0/0

+ sign 64.178+/-0.019 χ^2/NDF : 4817779.9/17

All: 64.936+/-0.013 χ^2/NDF : 7773737.6/37

- sign 65.675+/-0.019 χ^2/NDF : 2952748.2/19

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/18

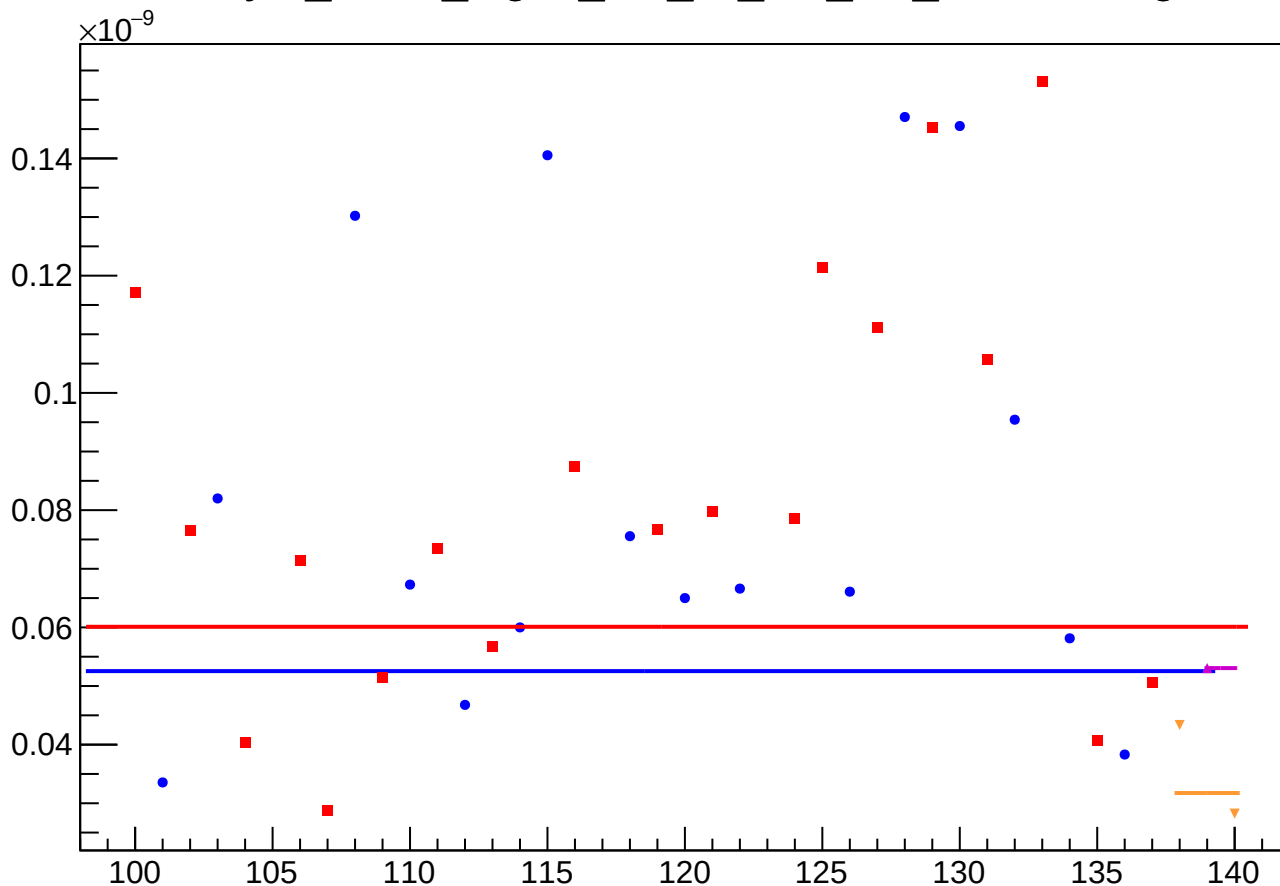
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/19

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 89263.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1539049.5/18

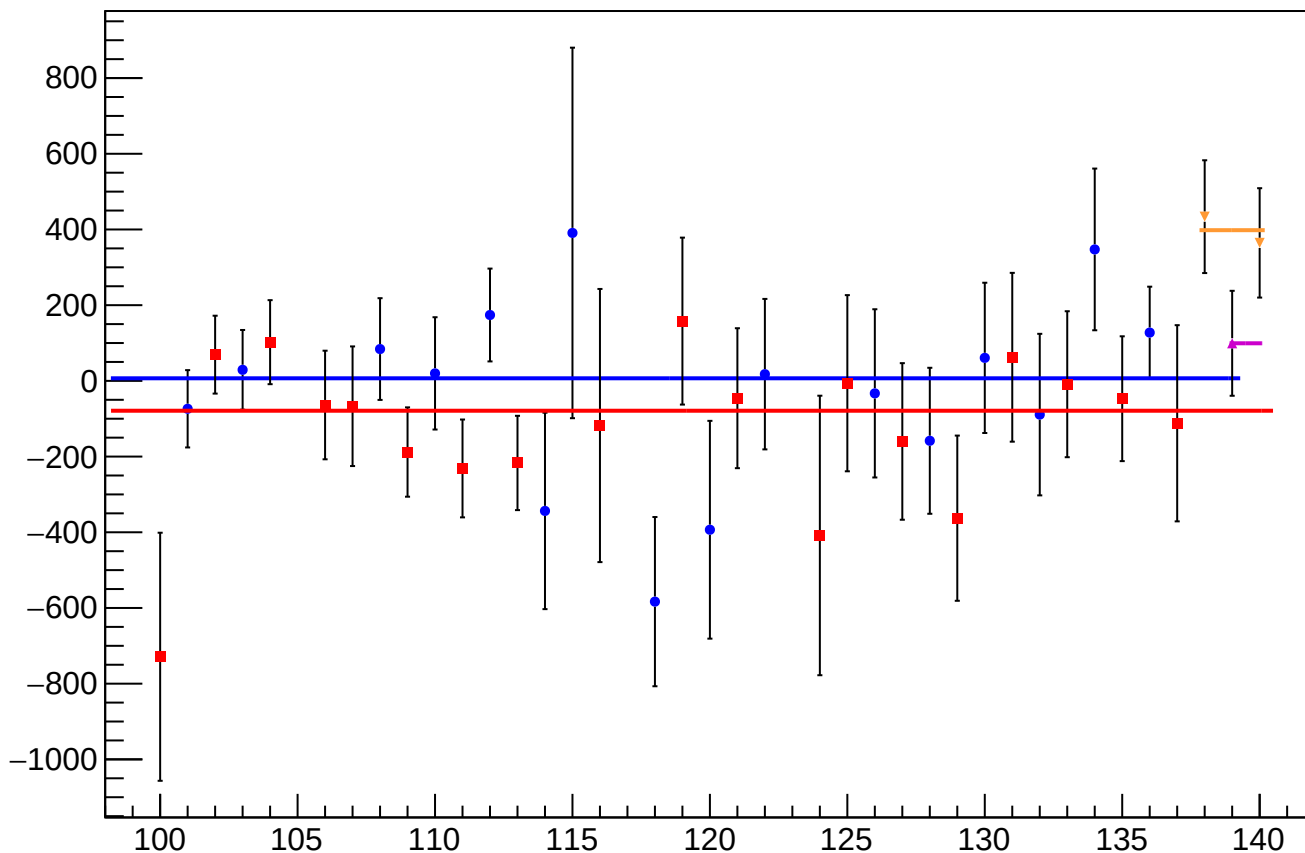
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2278503.9/17

All: 0.000+/-0.000 χ^2/NDF : 4266866.1/37

- sign 0.000+/-0.000 χ^2/NDF : 1555701.3/19

reg_asym_sam5_mean vs Slug



Right In: 6.811 ± 40.353 χ^2/NDF : 18.8/15

Left Out: 398.134 ± 103.728 χ^2/NDF : 0.1/1

Right Out: -78.883 ± 37.906 χ^2/NDF : 16.7/18

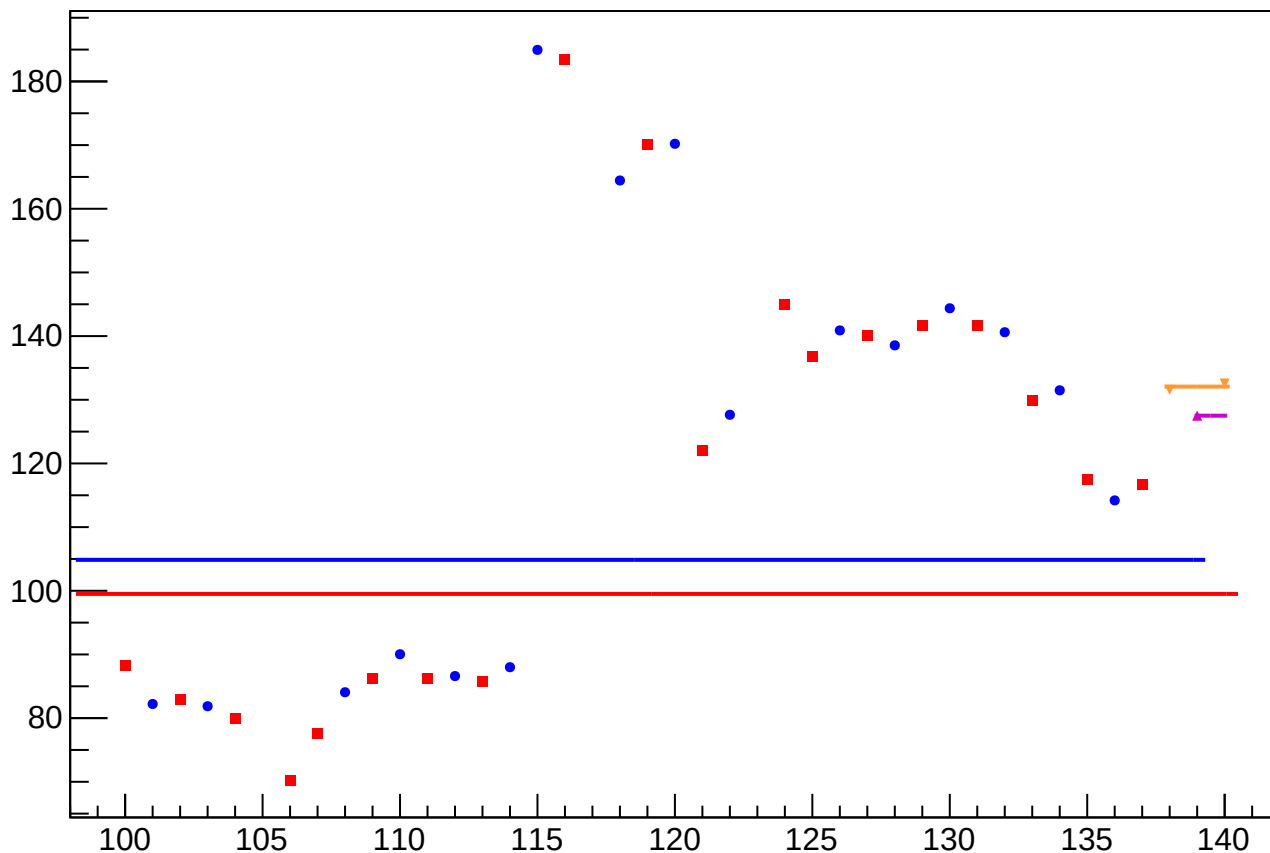
Left In: 99.292 ± 138.641 χ^2/NDF : 0.0/0

+ sign 58.250 ± 37.607 χ^2/NDF : 31.3/17

All: -5.875 ± 26.216 χ^2/NDF : 55.1/37

- sign -66.490 ± 36.564 χ^2/NDF : 18.2/19

reg_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931228.4/15

Left Out: 132.071 $\pm$ 0.073 χ^2 /NDF:45.6/1

Right Out: 99.508 $\pm$ 0.027 χ^2 /NDF: 1039037.0/18

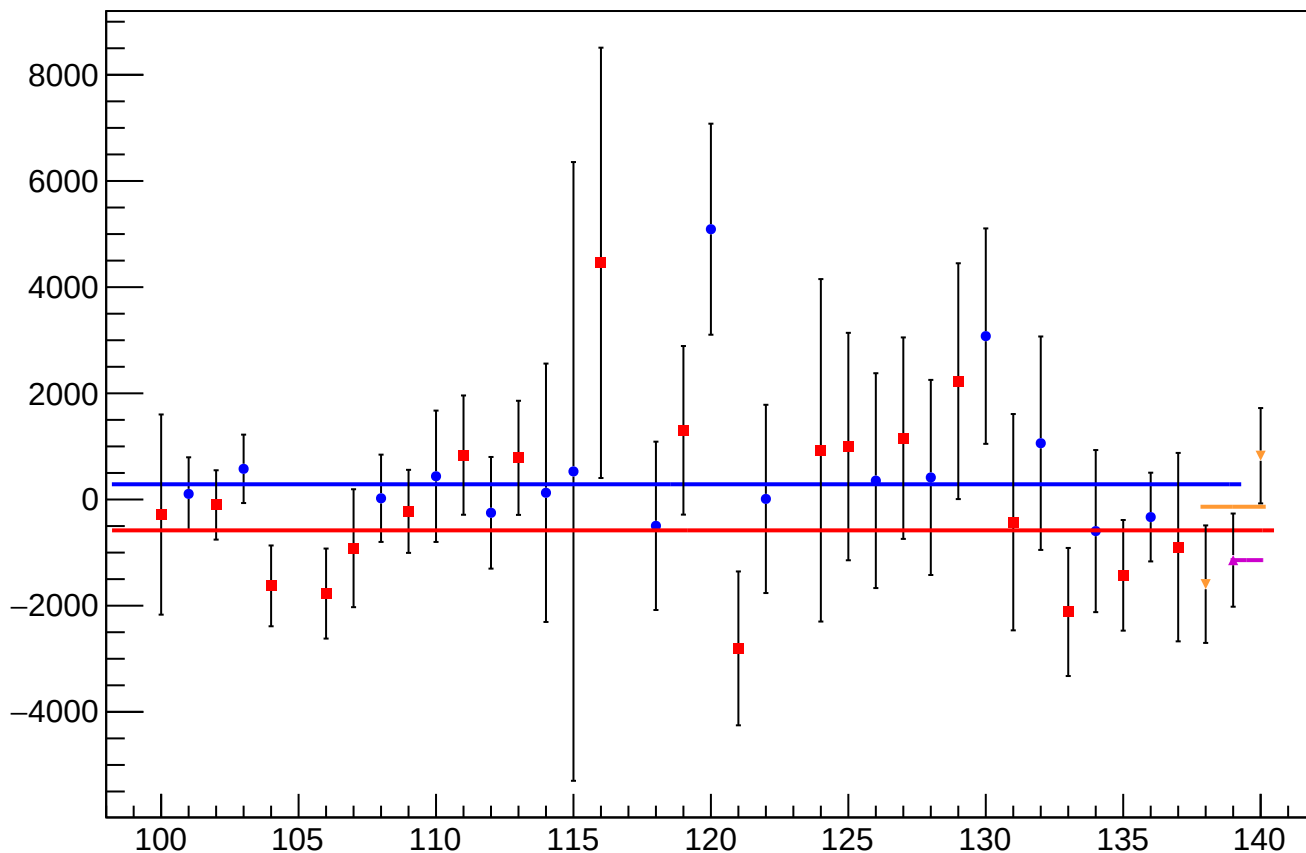
Left In: 127.503 $\pm$ 0.098 χ^2 /NDF:0.0/0

+ sign 108.437 $\pm$ 0.027 χ^2 /NDF: 1050815.6/17

All: 104.848 $\pm$ 0.019 χ^2 /NDF: 2201163.7/37

- sign 101.455 $\pm$ 0.026 χ^2 /NDF: 1114914.0/19

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915 $\pm$ 293.474 χ^2 /NDF: 9.7/15

Left Out: -136.255 $\pm$ 697.454 χ^2 /NDF: 2.9/1

Right Out: -581.217 $\pm$ 269.775 χ^2 /NDF: 18.8/18

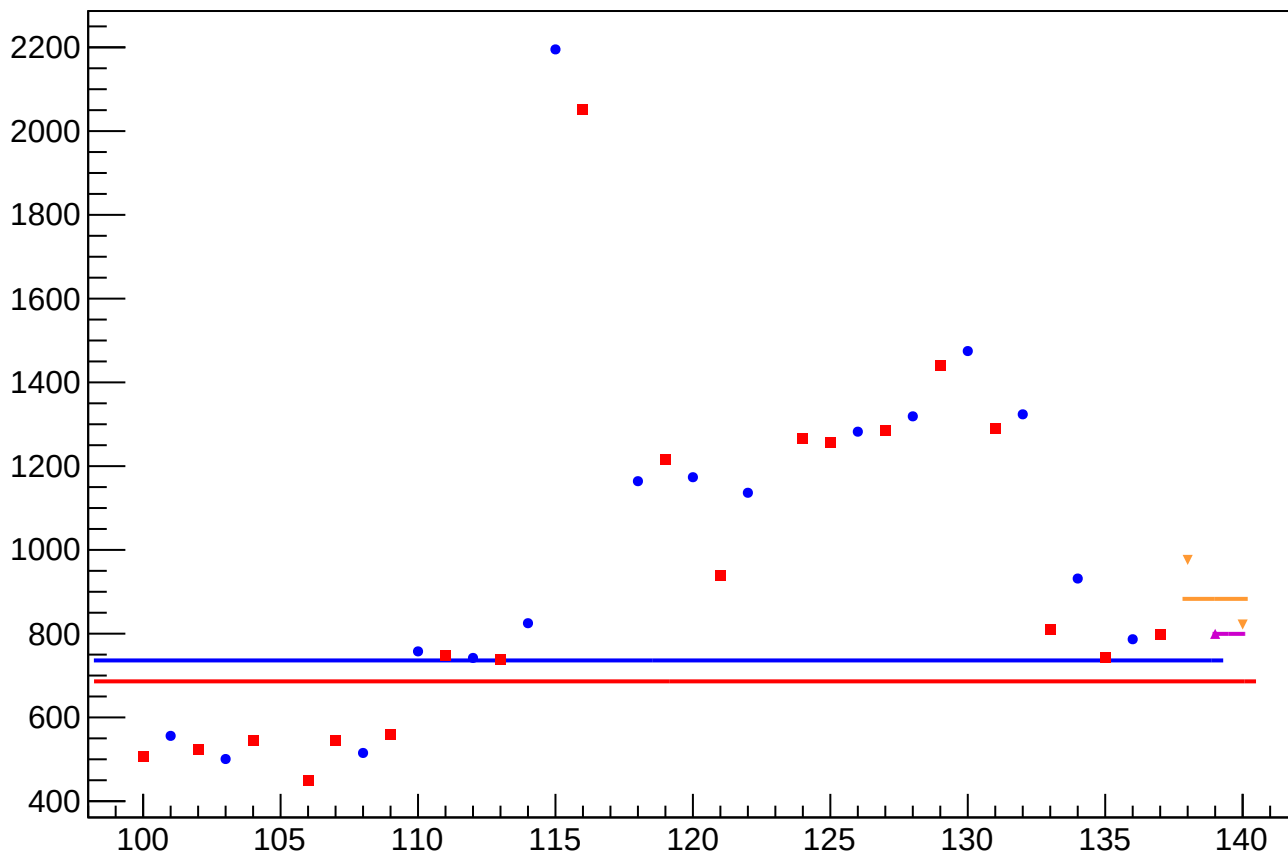
Left In: -1141.862 $\pm$ 877.672 χ^2 /NDF: 0.0/0

+ sign 223.261 $\pm$ 270.502 χ^2 /NDF: 12.9/17

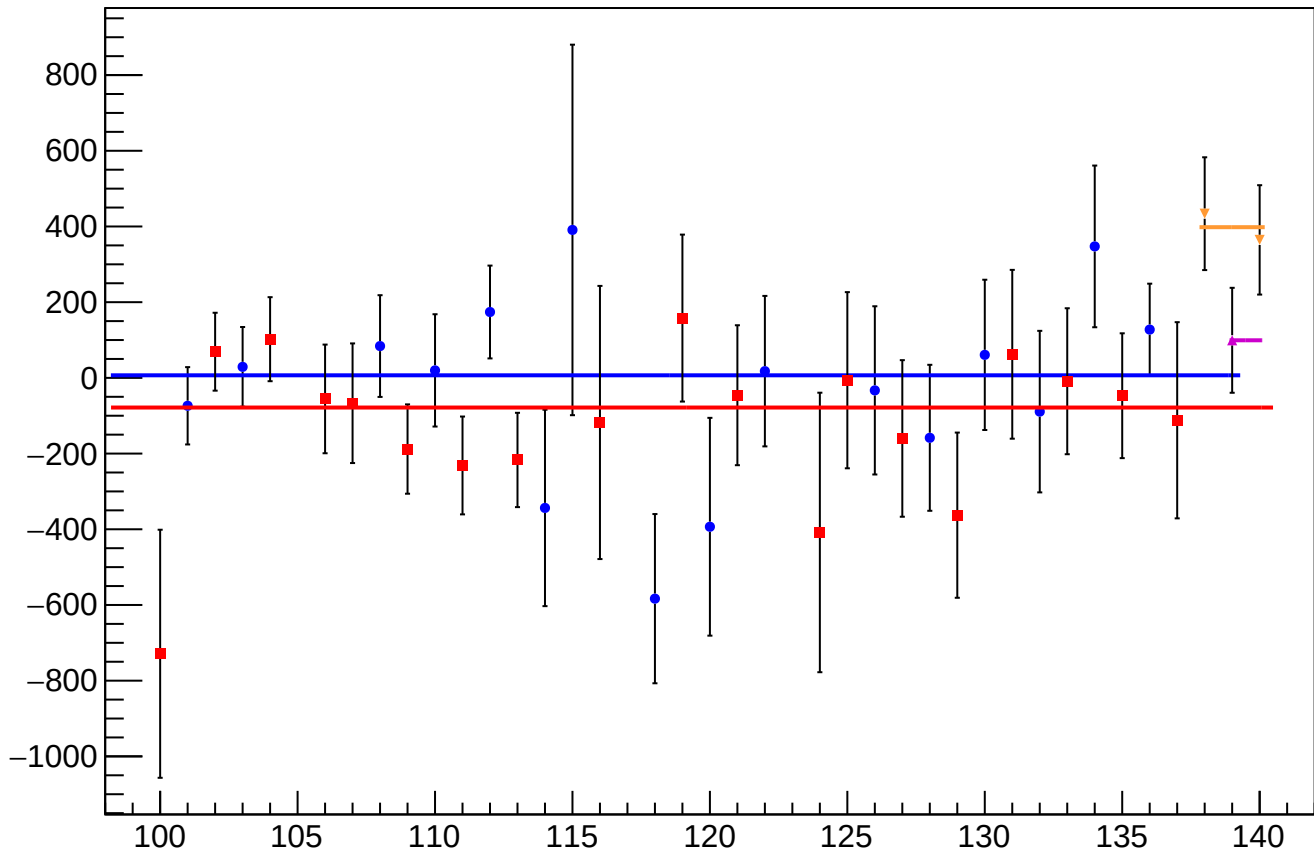
All: -223.558 $\pm$ 186.647 χ^2 /NDF: 37.2/37

- sign -629.614 $\pm$ 257.868 χ^2 /NDF: 19.1/19

asym_sam5_reg_correction_rms vs Slug



cor_asym_sam5_mean vs Slug



Right In: 6.799 $\pm$ 40.353 χ^2 /NDF: 18.8/15

Left Out: 398.130 $\pm$ 103.728 χ^2 /NDF:0.1/1

Right Out: -78.347 $\pm$ 37.909 χ^2 /NDF: 16.7/18

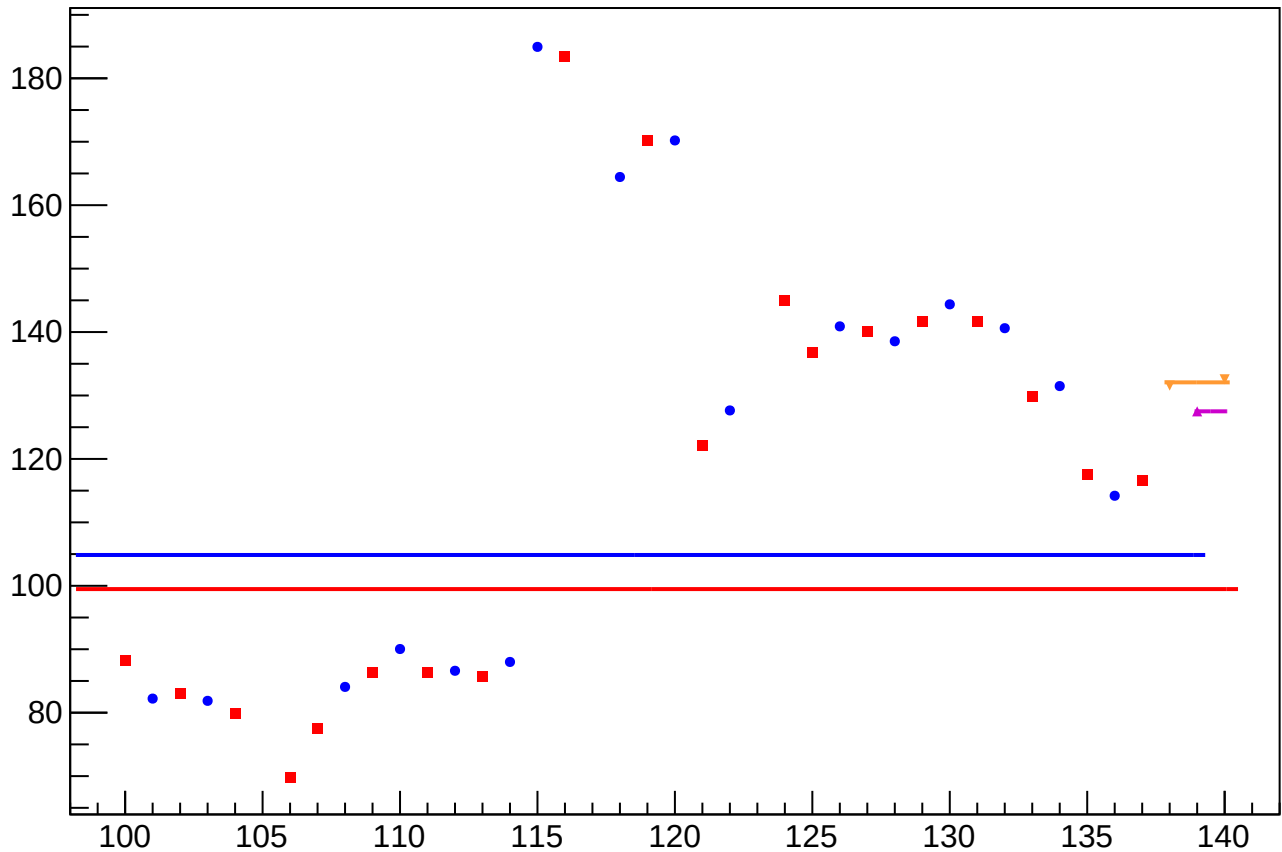
Left In: 99.299 $\pm$ 138.641 χ^2 /NDF:0.0/0

+ sign 58.239 $\pm$ 37.607 χ^2 /NDF: 31.3/17

All: -5.619 $\pm$ 26.217 χ^2 /NDF: 55.1/37

- sign -65.990 $\pm$ 36.566 χ^2 /NDF: 18.2/19

cor_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931227.7/15

Left Out: 132.071 $\pm$ 0.073 χ^2 /NDF:45.6/1

Right Out: 99.484 $\pm$ 0.027 χ^2 /NDF: 1041224.0/18

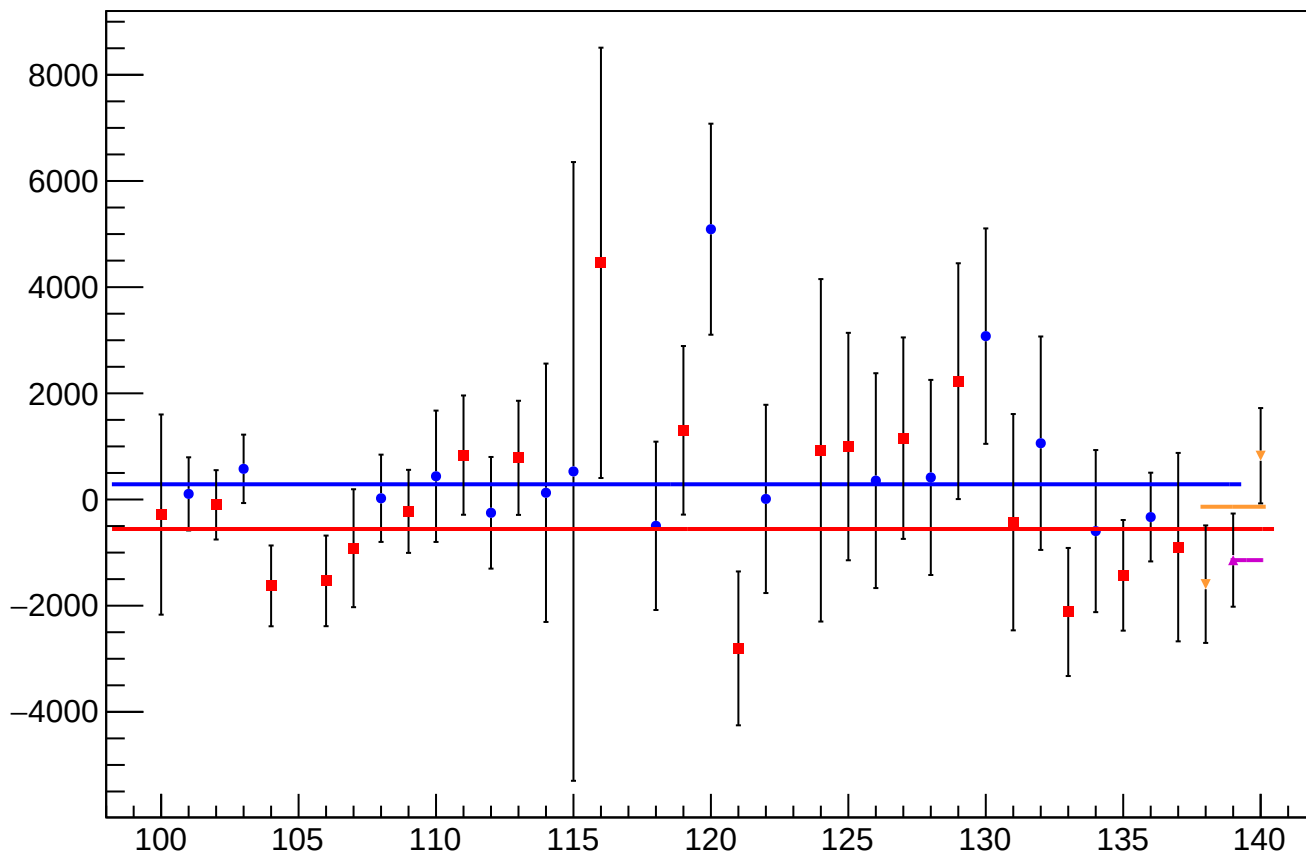
Left In: 127.503 $\pm$ 0.098 χ^2 /NDF:0.0/0

+ sign 108.437 $\pm$ 0.027 χ^2 /NDF: 1050814.7/17

All: 104.836 $\pm$ 0.019 χ^2 /NDF: 2203699.7/37

- sign 101.433 $\pm$ 0.026 χ^2 /NDF: 1117229.7/19

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918 ± 293.473 χ^2/NDF : 9.7/15

Left Out: -136.247 ± 697.454 χ^2/NDF : 2.9/1

Right Out: -555.436 ± 269.953 χ^2/NDF : 18.0/18

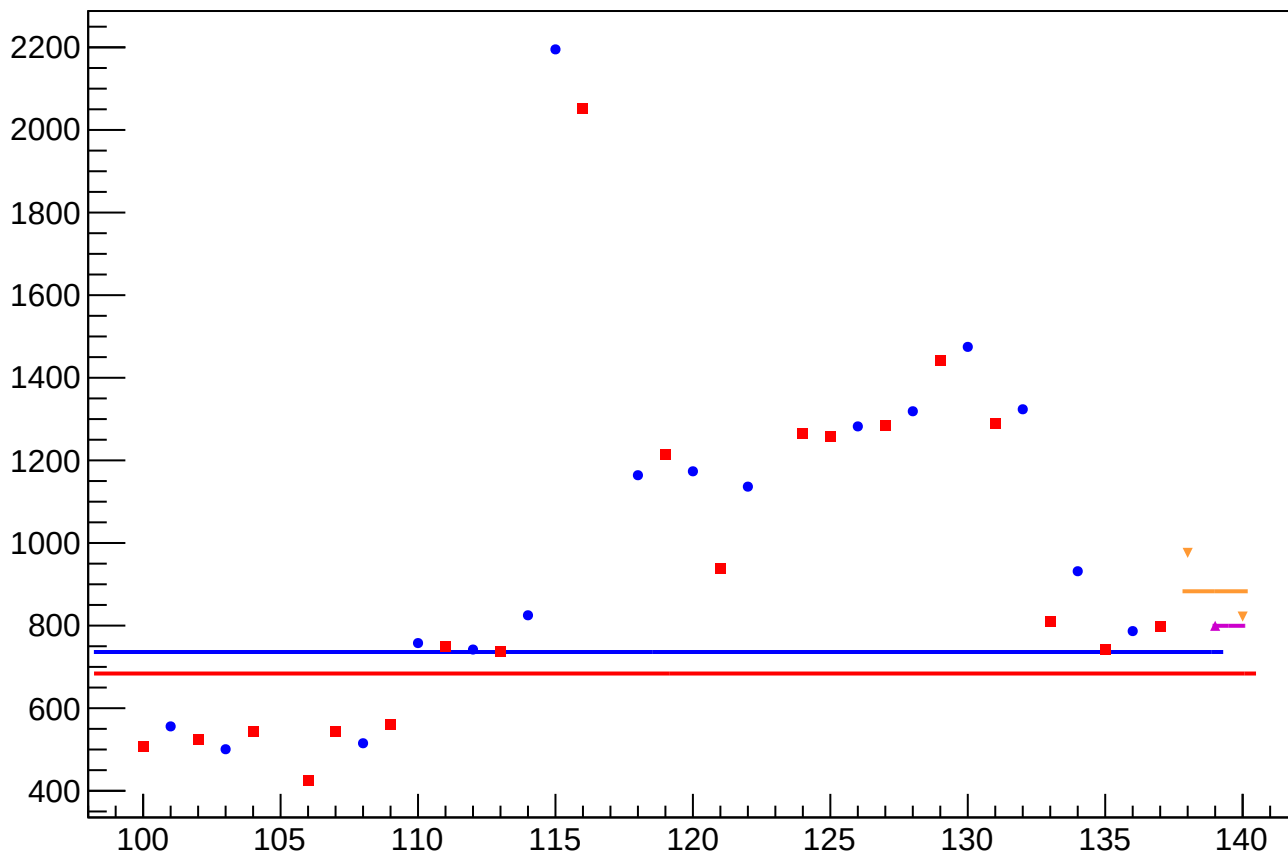
Left In: -1141.851 ± 877.672 χ^2/NDF : 0.0/0

+ sign 223.265 ± 270.502 χ^2/NDF : 12.9/17

All: -210.997 ± 186.706 χ^2/NDF : 36.2/37

- sign -606.119 ± 258.024 χ^2/NDF : 18.4/19

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF :23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

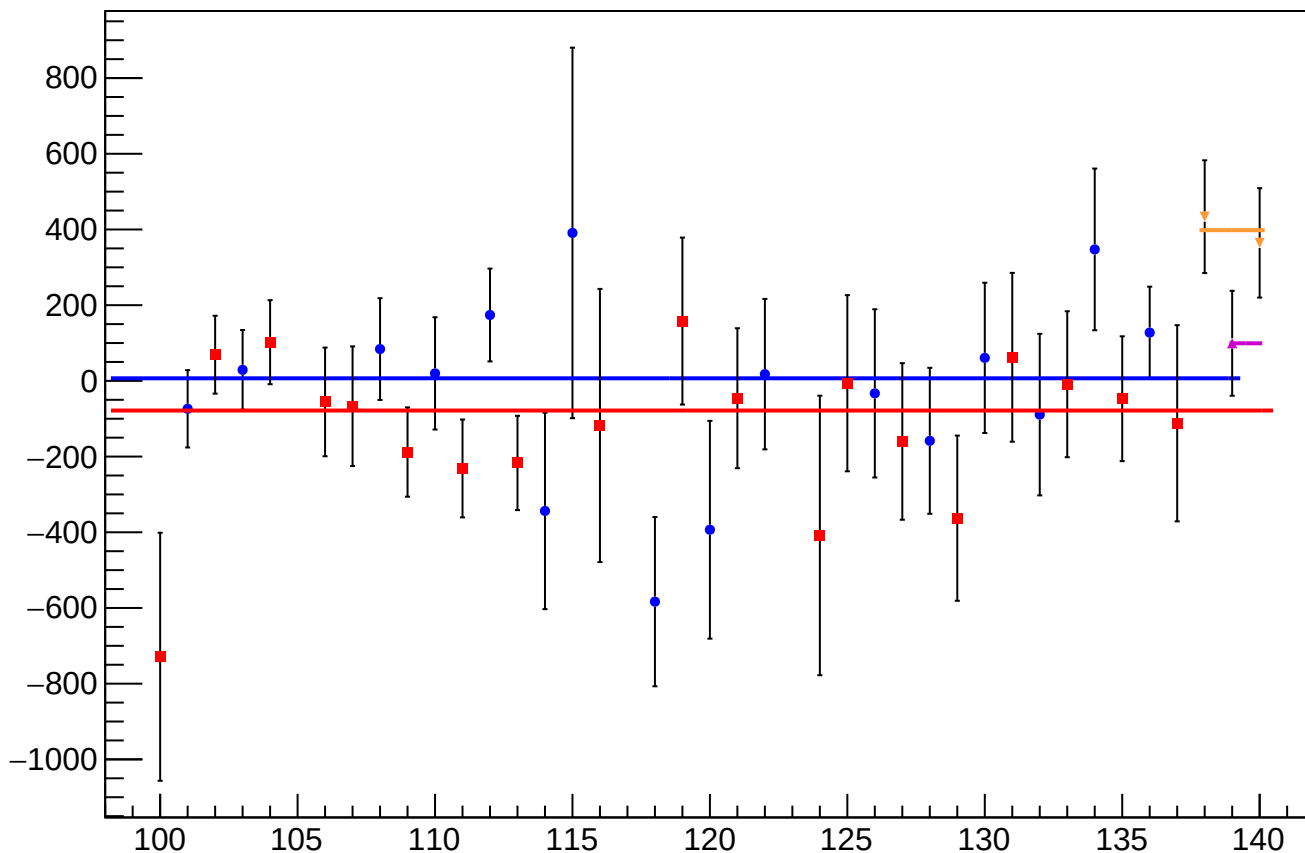
Left In: 799.534+/-0.621 χ^2/NDF :0.0/0

+ sign 758.197+/-0.191 χ^2/NDF : 1943403.2/17

All: 724.567+/-0.132 χ^2/NDF : 3884518.3/37

- sign 693.968+/-0.182 χ^2/NDF : 1882074.2/19

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799 ± 40.353 χ^2/NDF : 18.8/15

Left Out: 398.130 ± 103.728 χ^2/NDF : 0.1/1

Right Out: -78.347 ± 37.909 χ^2/NDF : 16.7/18

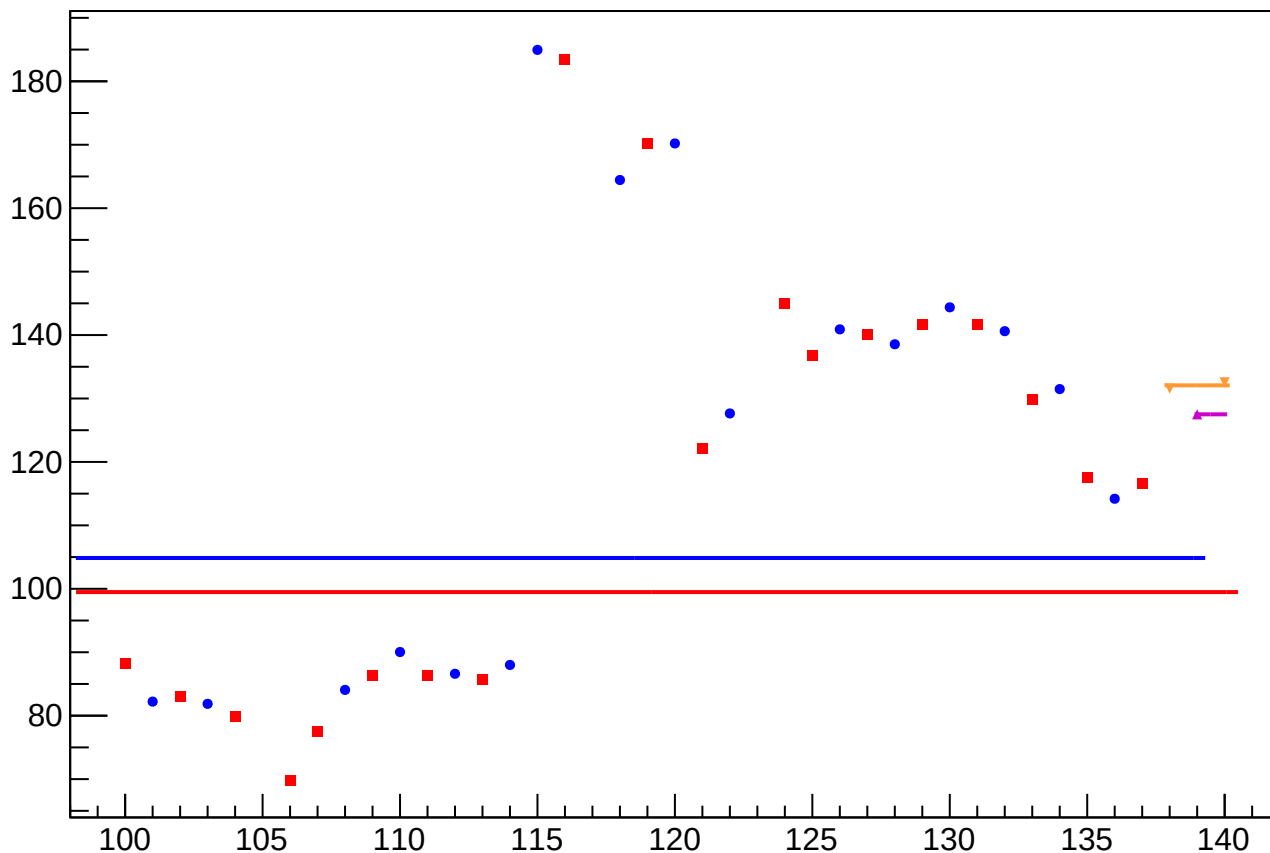
Left In: 99.299 ± 138.641 χ^2/NDF : 0.0/0

+ sign 58.239 ± 37.607 χ^2/NDF : 31.3/17

All: -5.619 ± 26.217 χ^2/NDF : 55.1/37

- sign -65.990 ± 36.566 χ^2/NDF : 18.2/19

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF : 931227.7/15

Left Out: 132.071+/-0.073 χ^2/NDF :45.6/1

Right Out: 99.484+/-0.027 χ^2/NDF : 1041224.0/18

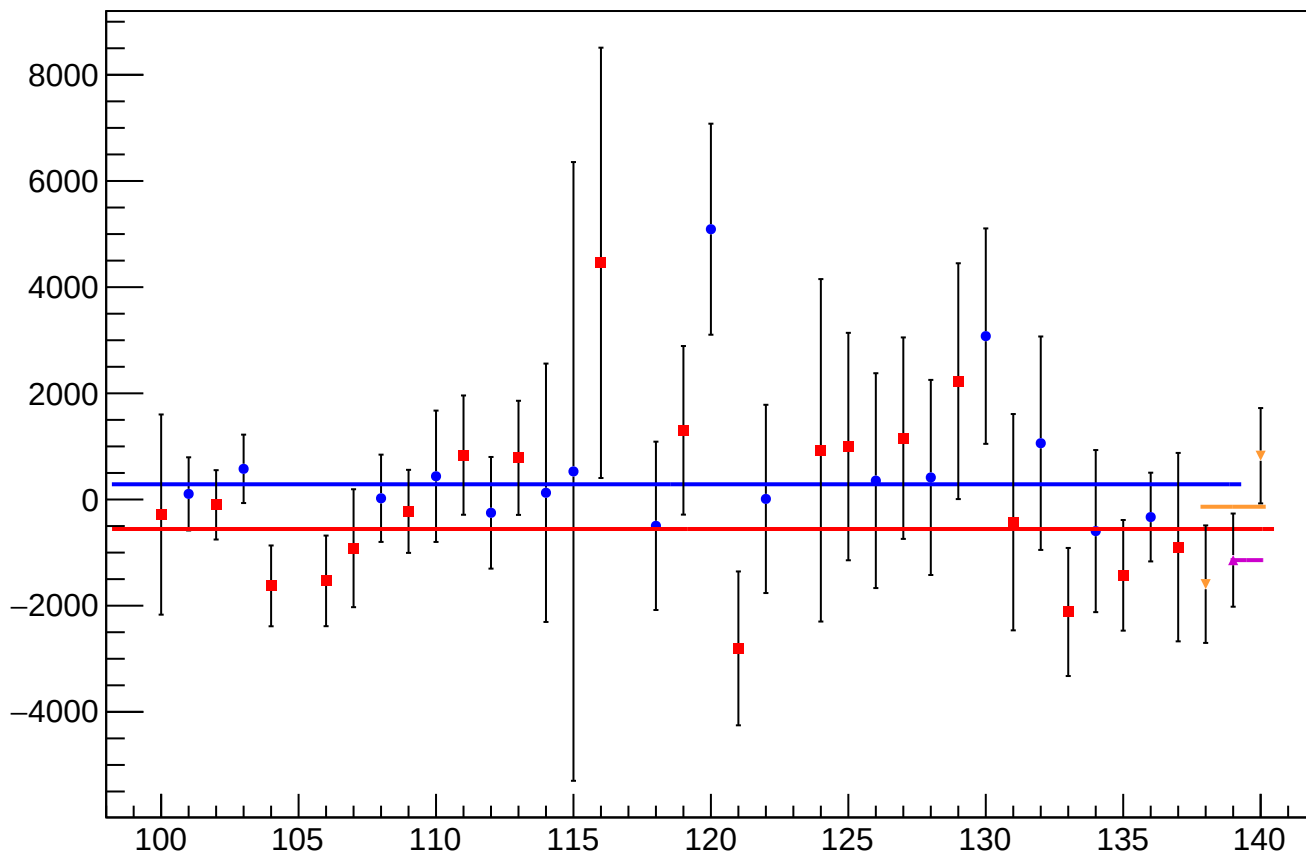
Left In: 127.503+/-0.098 χ^2/NDF :0.0/0

+ sign 108.437+/-0.027 χ^2/NDF : 1050814.7/17

All: 104.836+/-0.019 χ^2/NDF : 2203699.7/37

- sign 101.433+/-0.026 χ^2/NDF : 1117229.7/19

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918 $\pm$ 293.473 χ^2 /NDF: 9.7/15

Left Out: -136.247 $\pm$ 697.454 χ^2 /NDF:2.9/1

Right Out: -555.436 $\pm$ 269.953 χ^2 /NDF: 18.0/18

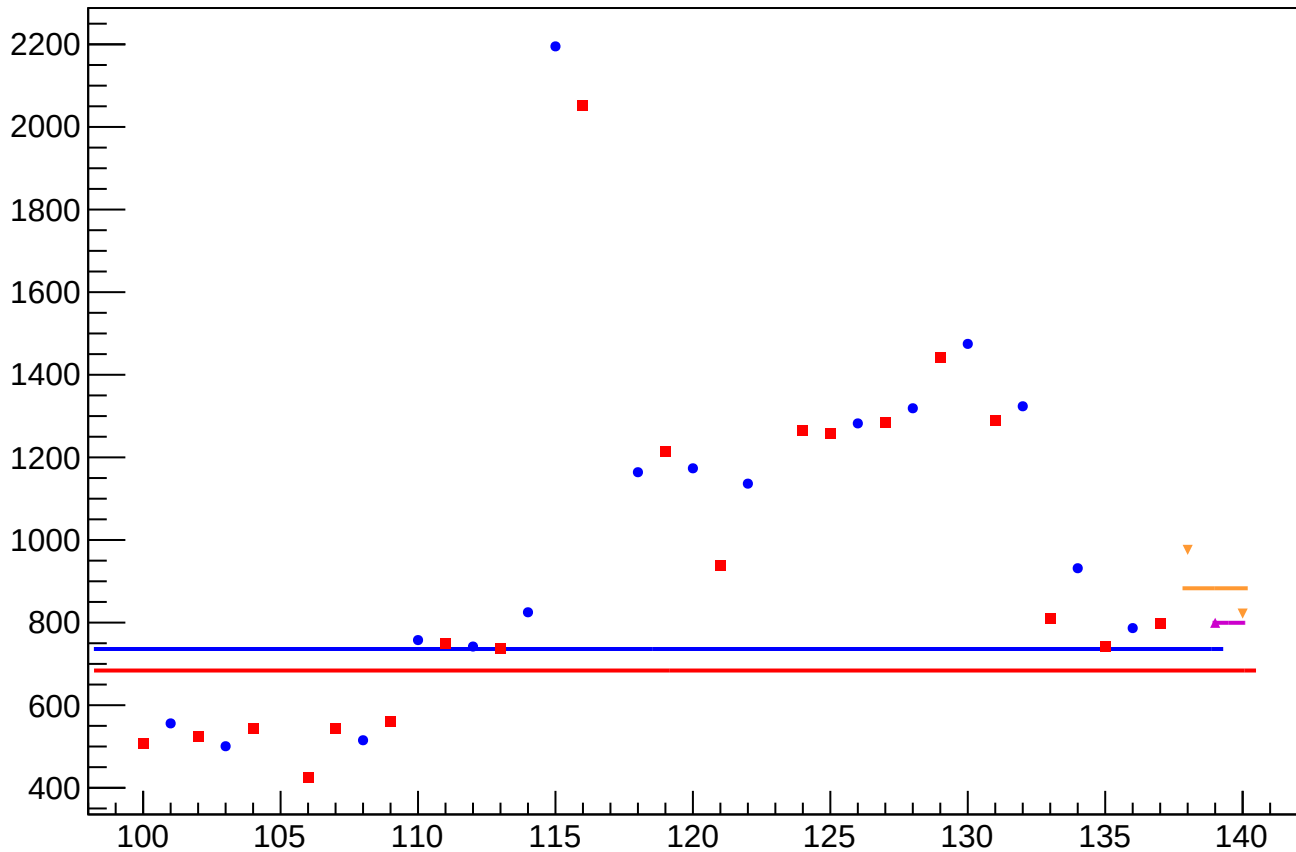
Left In: -1141.851 $\pm$ 877.672 χ^2 /NDF:0.0/0

+ sign 223.265 $\pm$ 270.502 χ^2 /NDF: 12.9/17

All: -210.997 $\pm$ 186.706 χ^2 /NDF: 36.2/37

- sign -606.119 $\pm$ 258.024 χ^2 /NDF: 18.4/19

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF : 23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

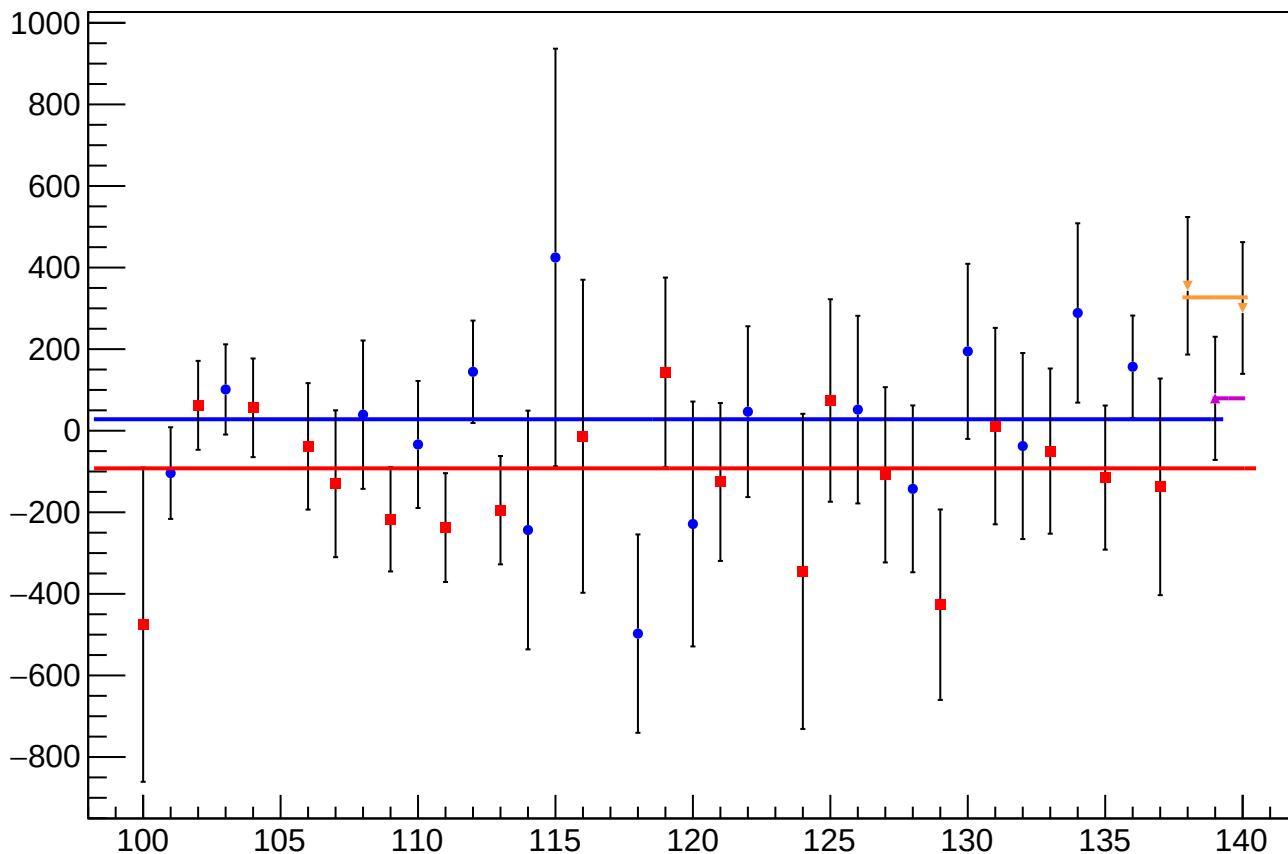
Left In: 799.534+/-0.621 χ^2/NDF : 0.0/0

+ sign 758.197+/-0.191 χ^2/NDF : 1943403.2/17

All: 724.567+/-0.132 χ^2/NDF : 3884518.3/37

- sign 693.968+/-0.182 χ^2/NDF : 1882074.2/19

dit_asym_sam5_mean vs Slug



Right In: 28.094 $\pm$ 43.439 χ^2 /NDF: 13.6/15

Left Out: 326.925 $\pm$ 116.645 χ^2 /NDF: 0.1/1

Right Out: -92.247 $\pm$ 40.539 χ^2 /NDF: 11.7/18

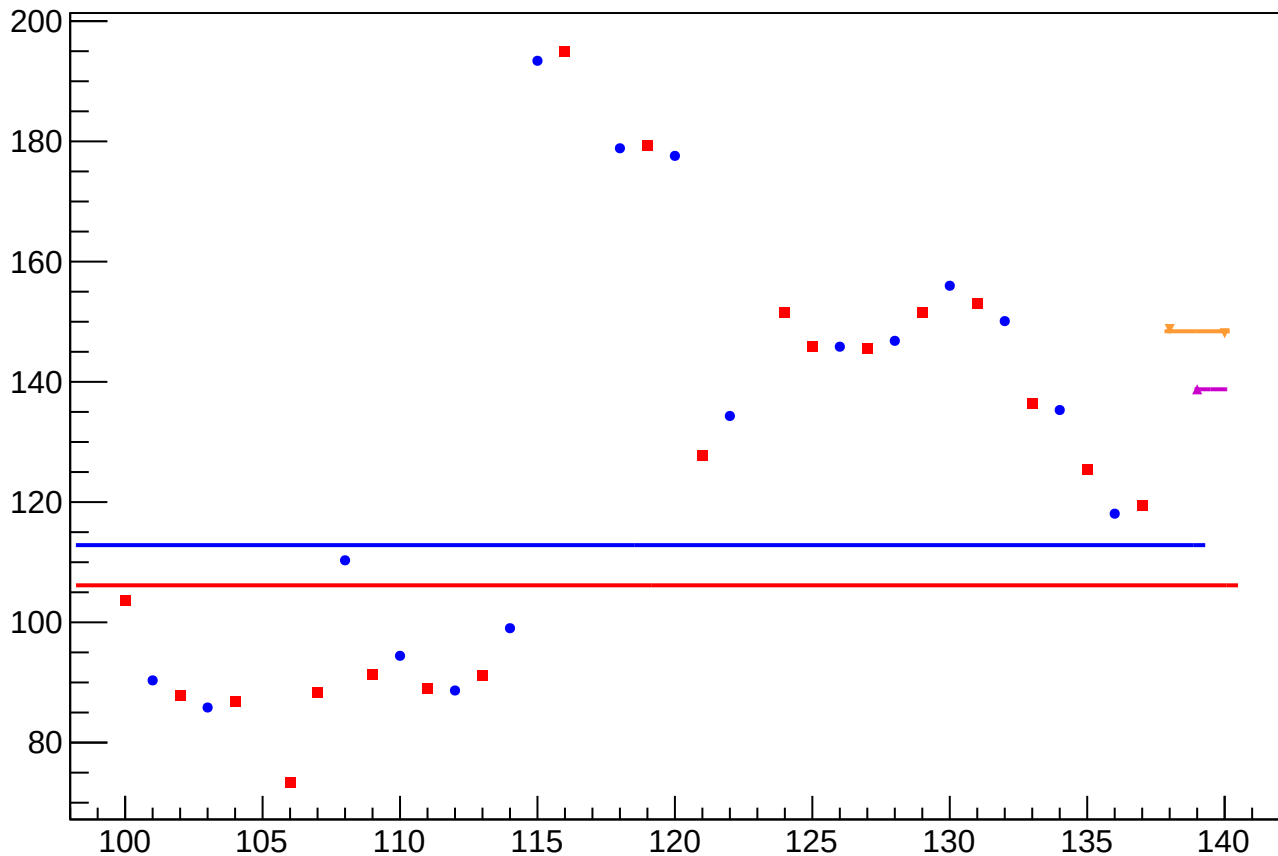
Left In: 79.404 $\pm$ 150.948 χ^2 /NDF: 0.0/0

+ sign 64.489 $\pm$ 40.708 χ^2 /NDF: 19.4/17

All: -10.933 $\pm$ 28.218 χ^2 /NDF: 38.9/37

- sign -80.699 $\pm$ 39.152 χ^2 /NDF: 12.9/19

dit_asym_sam5_rms vs Slug



Right In: 112.843 $\pm$ 0.031 χ^2 /NDF: 872225.9/15

Left Out: 148.416 $\pm$ 0.082 χ^2 /NDF:17.8/1

Right Out: 106.159 $\pm$ 0.029 χ^2 /NDF: 1002148.0/18

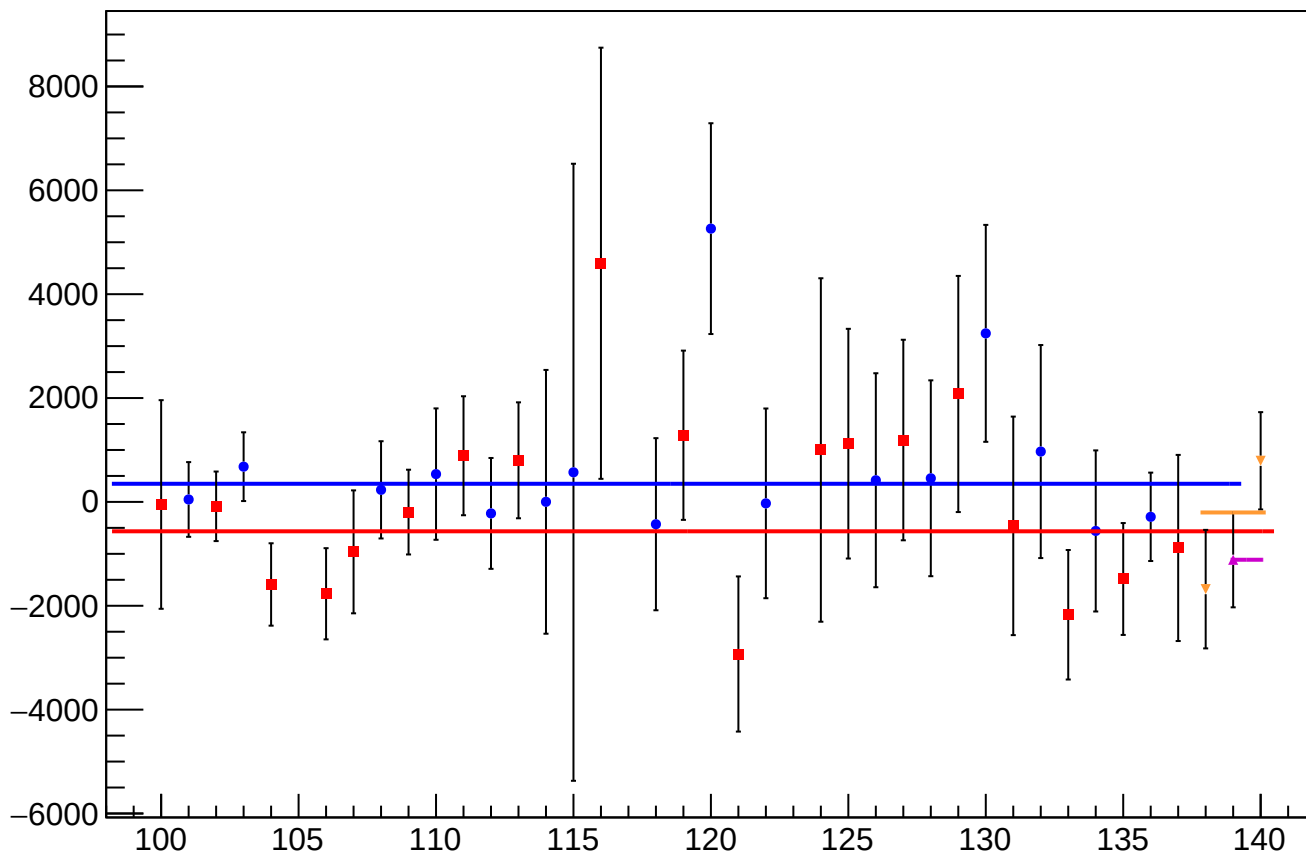
Left In: 138.766 $\pm$ 0.107 χ^2 /NDF:0.0/0

+ sign 117.175 $\pm$ 0.029 χ^2 /NDF: 1035602.1/17

All: 112.592 $\pm$ 0.020 χ^2 /NDF: 2173605.3/37

- sign 108.352 $\pm$ 0.028 χ^2 /NDF: 1089197.0/19

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112 $\pm$ 305.328 χ^2 /NDF: 9.8/15

Left Out: -203.439 $\pm$ 724.117 χ^2 /NDF:2.8/1

Right Out: -566.026 $\pm$ 279.219 χ^2 /NDF: 18.3/18

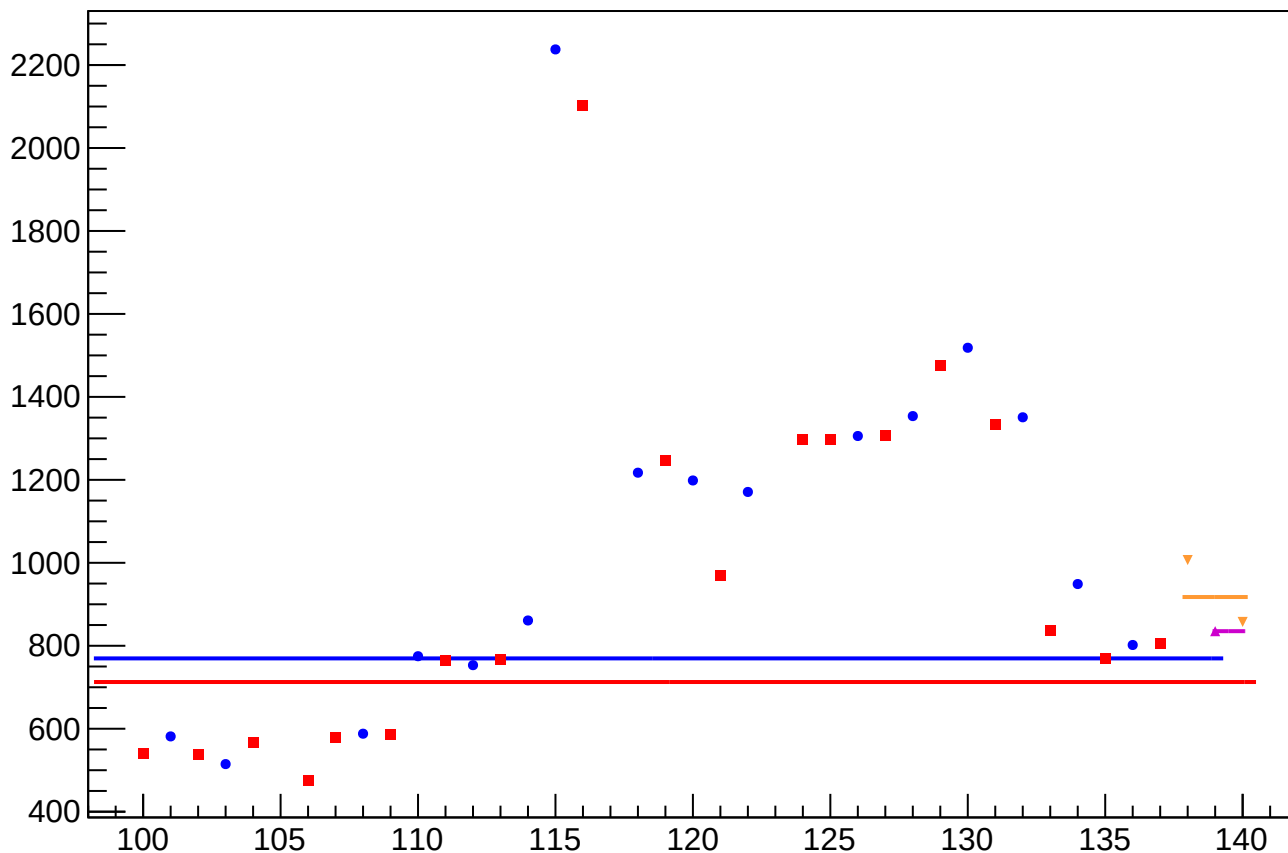
Left In: -1113.802 $\pm$ 916.334 χ^2 /NDF:0.0/0

+ sign 265.702 $\pm$ 281.340 χ^2 /NDF: 13.1/17

All: -196.231 $\pm$ 193.705 χ^2 /NDF: 36.9/37

- sign -612.566 $\pm$ 267.094 χ^2 /NDF: 18.6/19

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF : 1739937.3/15

Left Out: 917.521+/-0.512 χ^2/NDF :20413.4/1

Right Out: 712.628+/-0.197 χ^2/NDF : 1767226.6/18

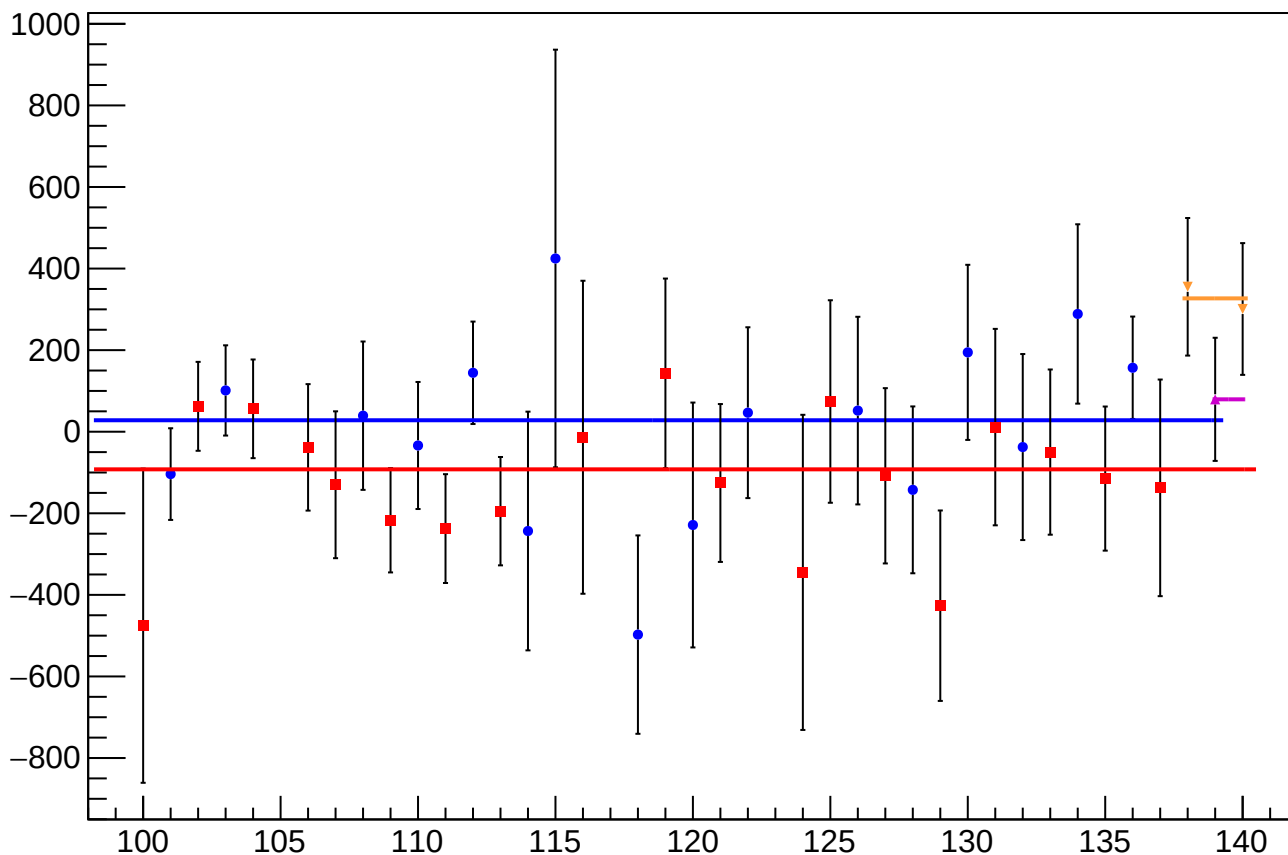
Left In: 835.189+/-0.648 χ^2/NDF :0.0/0

+ sign 791.893+/-0.199 χ^2/NDF : 1831251.5/17

All: 755.680+/-0.137 χ^2/NDF : 3694218.1/37

- sign 723.041+/-0.189 χ^2/NDF : 1799965.5/19

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093 $\pm$ 43.439 χ^2 /NDF: 13.6/15

Left Out: 326.924 $\pm$ 116.645 χ^2 /NDF: 0.1/1

Right Out: -92.247 $\pm$ 40.539 χ^2 /NDF: 11.7/18

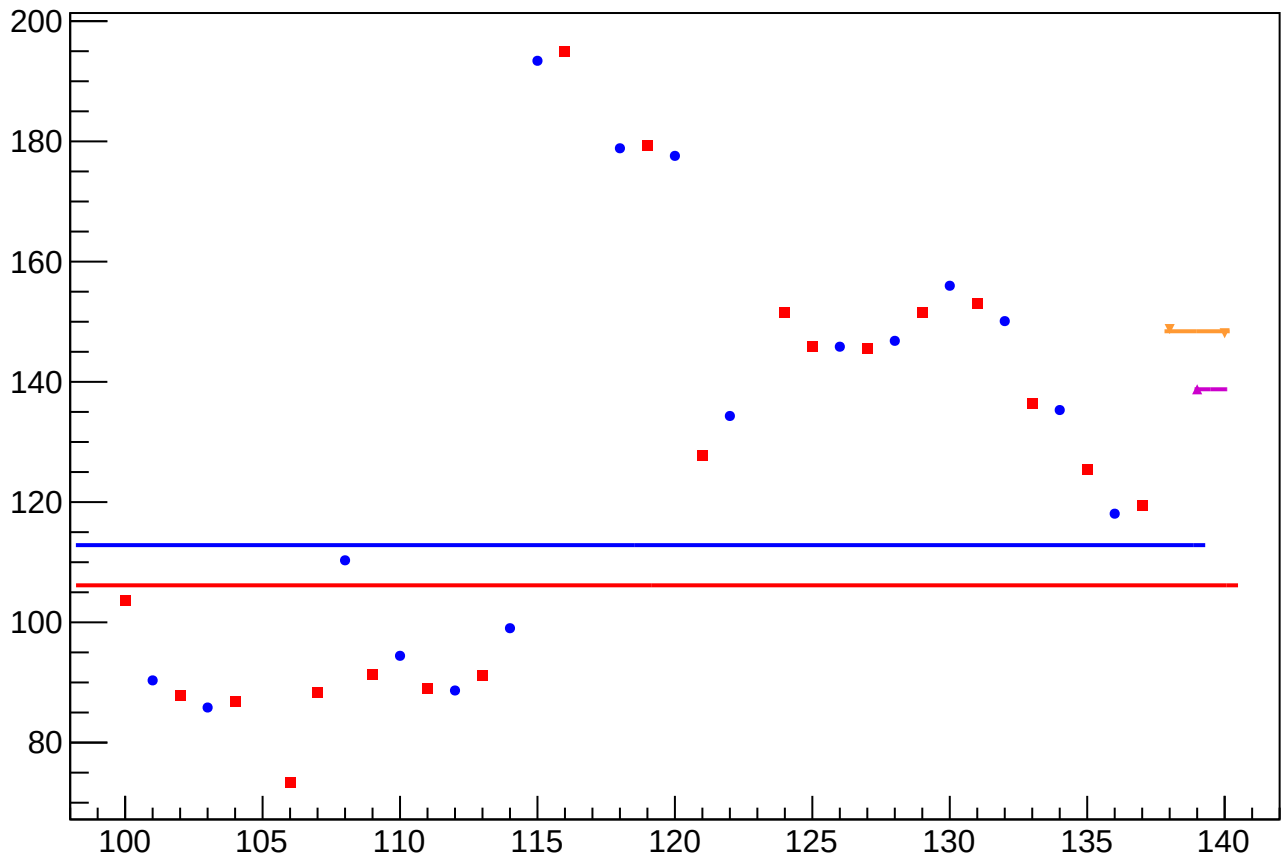
Left In: 79.400 $\pm$ 150.949 χ^2 /NDF: 0.0/0

+ sign 64.488 $\pm$ 40.708 χ^2 /NDF: 19.4/17

All: -10.934 $\pm$ 28.218 χ^2 /NDF: 38.9/37

- sign -80.700 $\pm$ 39.151 χ^2 /NDF: 12.9/19

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842 $\pm$ 0.031 χ^2 /NDF: 872219.7/15

Left Out: 148.417 $\pm$ 0.082 χ^2 /NDF:17.8/1

Right Out: 106.158 $\pm$ 0.029 χ^2 /NDF: 1002136.6/18

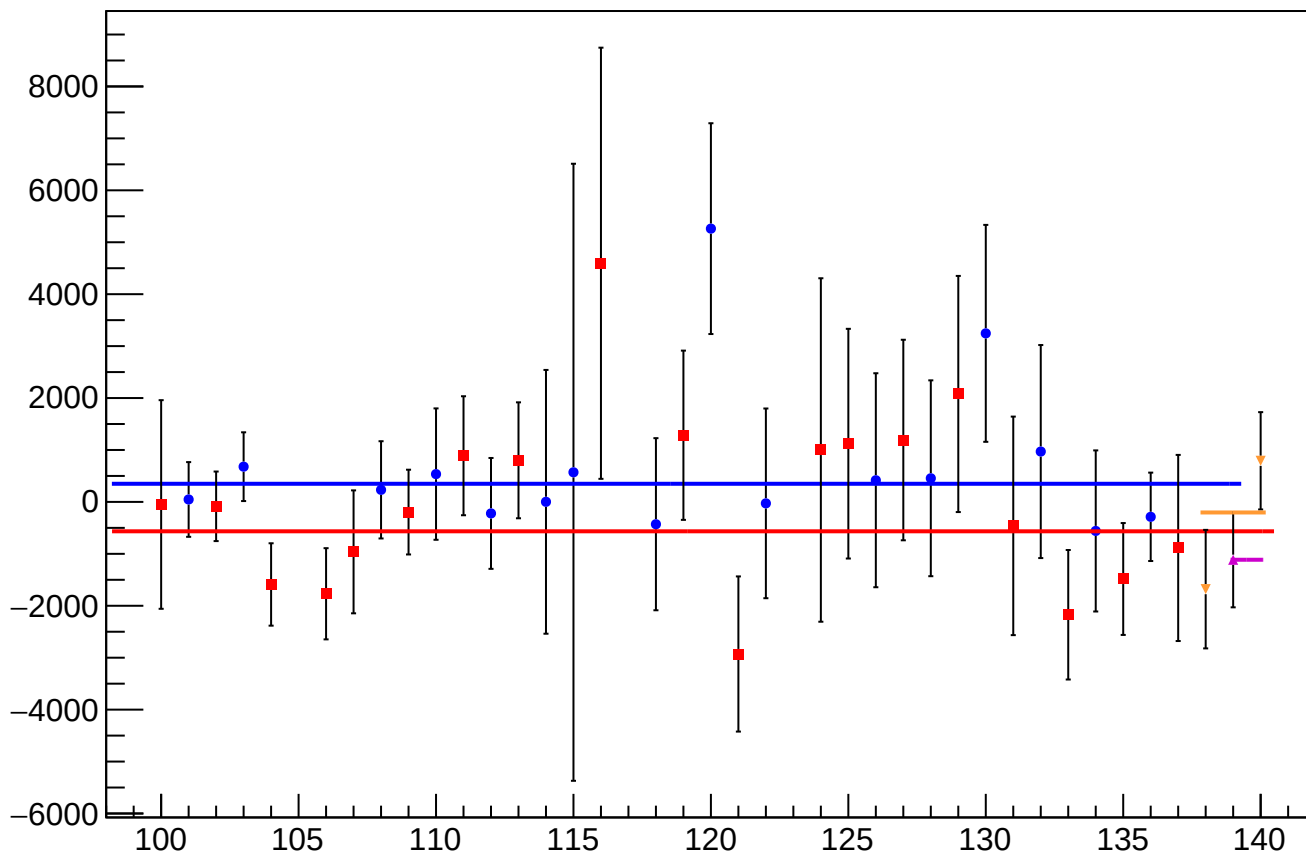
Left In: 138.767 $\pm$ 0.107 χ^2 /NDF:0.0/0

+ sign 117.175 $\pm$ 0.029 χ^2 /NDF: 1035605.5/17

All: 112.592 $\pm$ 0.020 χ^2 /NDF: 2173601.3/37

- sign 108.352 $\pm$ 0.028 χ^2 /NDF: 1089190.0/19

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111 $\pm$ 305.328 χ^2 /NDF: 9.8/15

Left Out: -203.439 $\pm$ 724.120 χ^2 /NDF:2.8/1

Right Out: -566.026 $\pm$ 279.218 χ^2 /NDF: 18.3/18

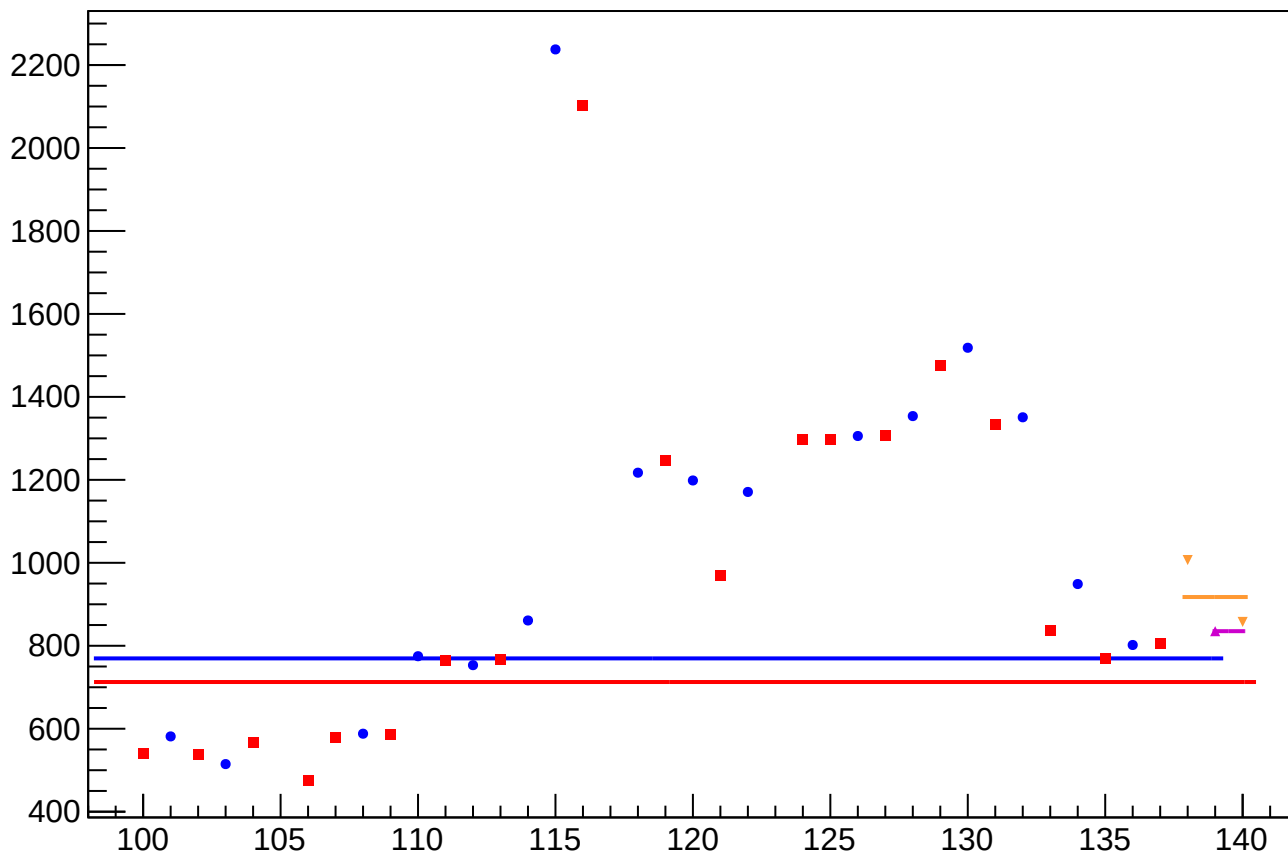
Left In: -1113.806 $\pm$ 916.336 χ^2 /NDF:0.0/0

+ sign 265.702 $\pm$ 281.340 χ^2 /NDF: 13.1/17

All: -196.231 $\pm$ 193.704 χ^2 /NDF: 36.9/37

- sign -612.566 $\pm$ 267.094 χ^2 /NDF: 18.6/19

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556 $\pm$ 0.216 χ^2 /NDF: 1739933.9/15

Left Out: 917.524 $\pm$ 0.512 χ^2 /NDF:20413.5/1

Right Out: 712.627 $\pm$ 0.197 χ^2 /NDF: 1767219.7/18

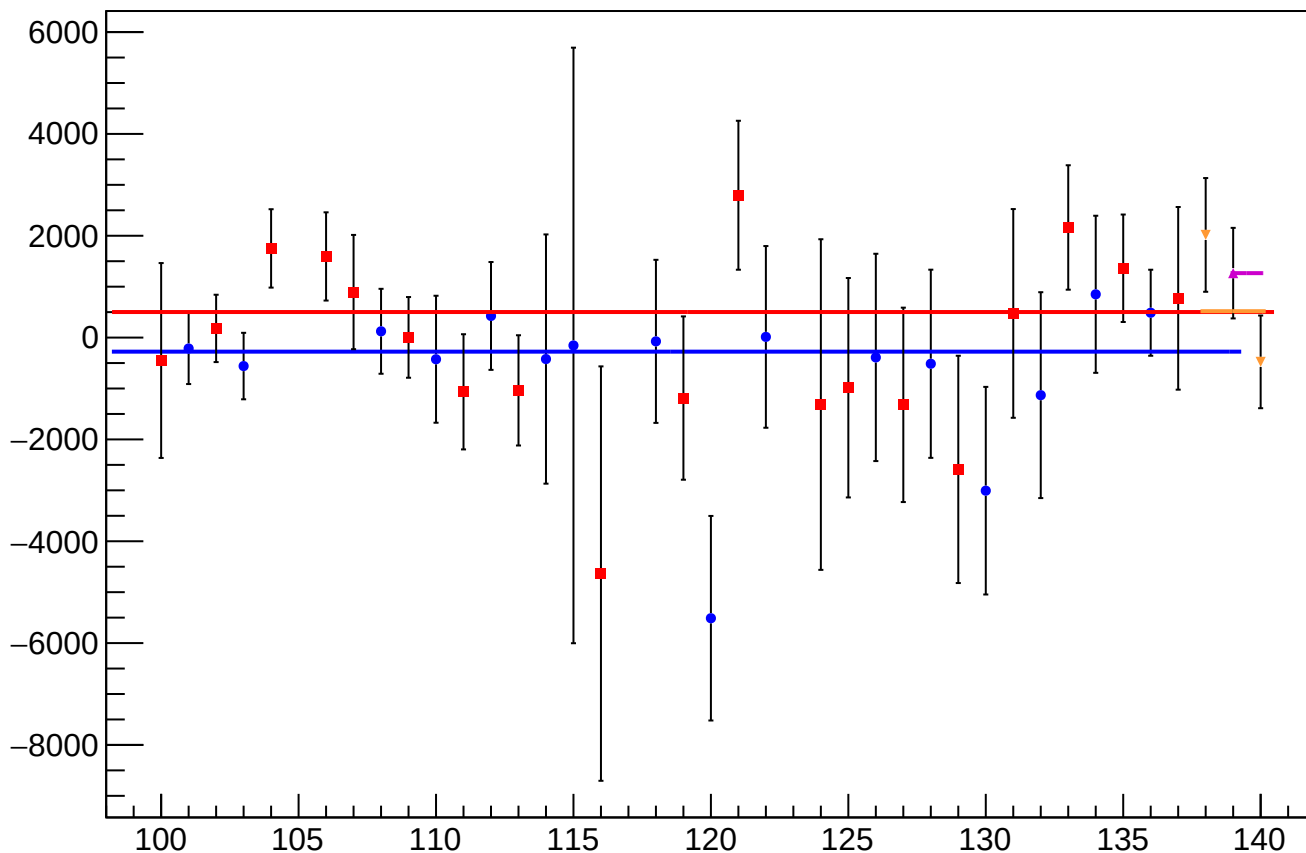
Left In: 835.191 $\pm$ 0.648 χ^2 /NDF:0.0/0

+ sign 791.892 $\pm$ 0.199 χ^2 /NDF: 1831252.5/17

All: 755.679 $\pm$ 0.137 χ^2 /NDF: 3694214.1/37

- sign 723.040 $\pm$ 0.189 χ^2 /NDF: 1799960.0/19

asym_sam5_mean vs Slug



Right In: -276.199 ± 296.708 χ^2/NDF : 11.1/15

Left Out: 518.143 ± 705.542 χ^2/NDF : 3.0/1

Right Out: 501.985 ± 272.991 χ^2/NDF : 20.5/18

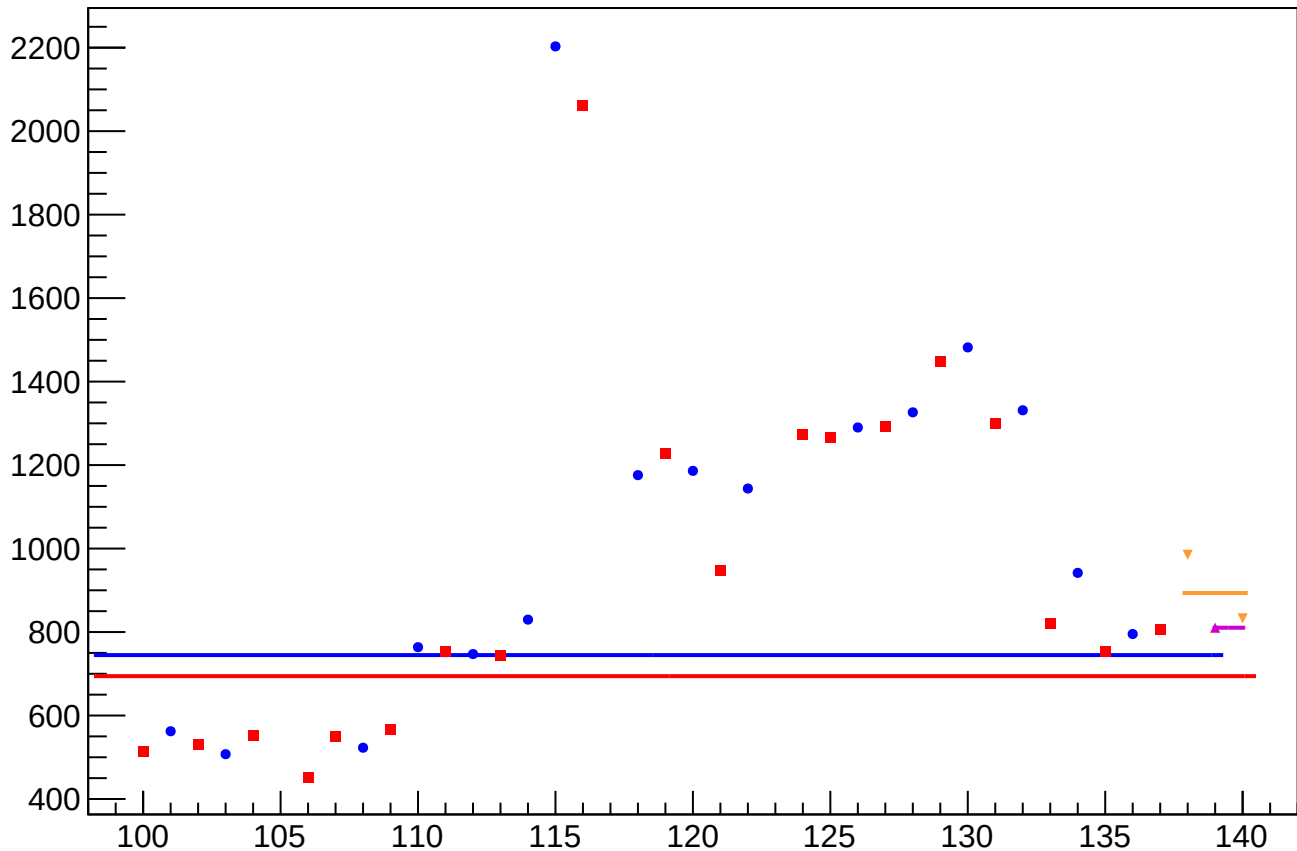
Left In: 1265.664 ± 889.201 χ^2/NDF : 0.0/0

+ sign -156.827 ± 273.507 χ^2/NDF : 15.1/17

All: 222.457 ± 188.810 χ^2/NDF : 40.0/37

- sign 567.764 ± 260.969 χ^2/NDF : 21.2/19

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF : 1822553.5/15

Left Out: 893.583+/-0.499 χ^2/NDF :22326.6/1

Right Out: 694.348+/-0.193 χ^2/NDF : 1803741.9/18

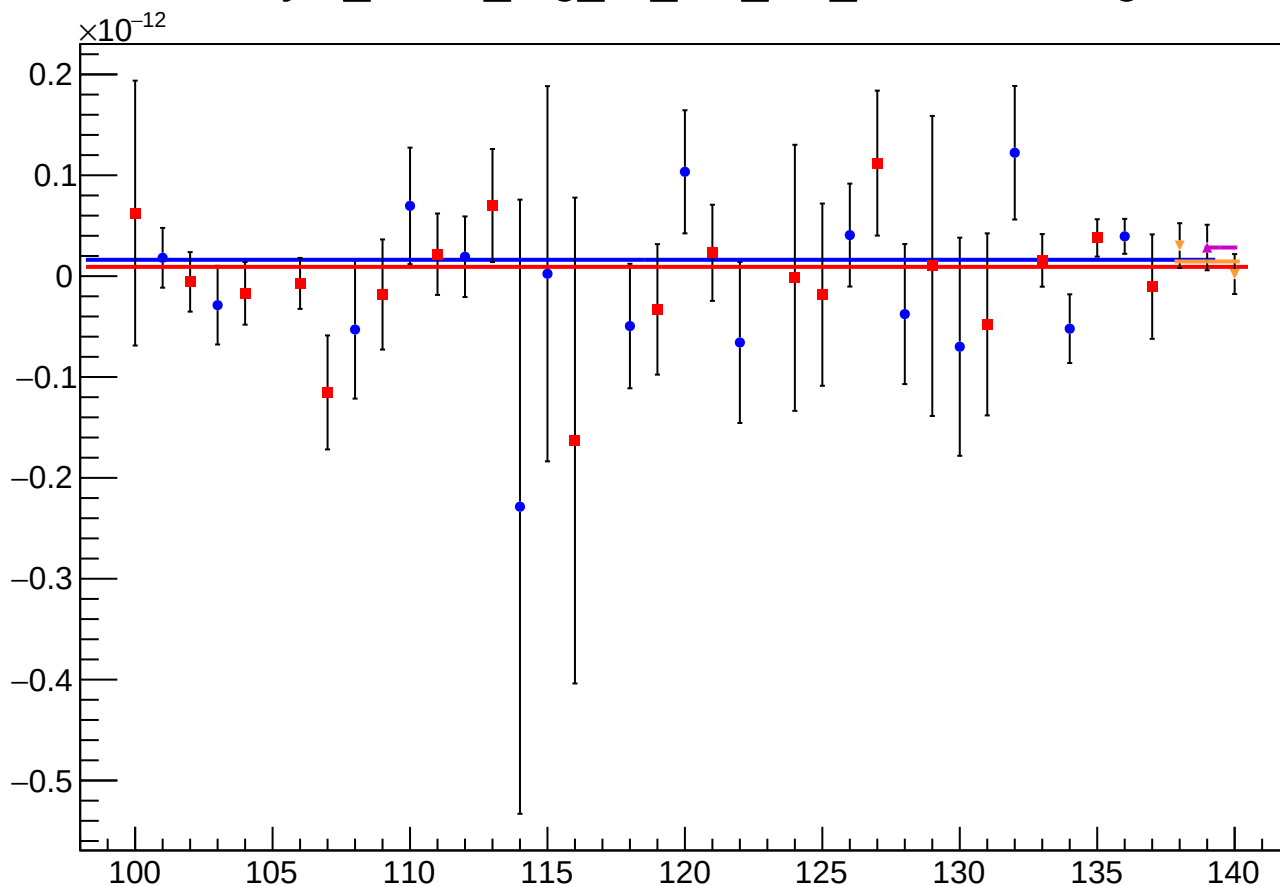
Left In: 810.395+/-0.629 χ^2/NDF :0.0/0

+ sign 767.144+/-0.193 χ^2/NDF : 1920470.6/17

All: 734.271+/-0.134 χ^2/NDF : 3810535.3/37

- sign 704.344+/-0.185 χ^2/NDF : 1834871.6/19

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/18

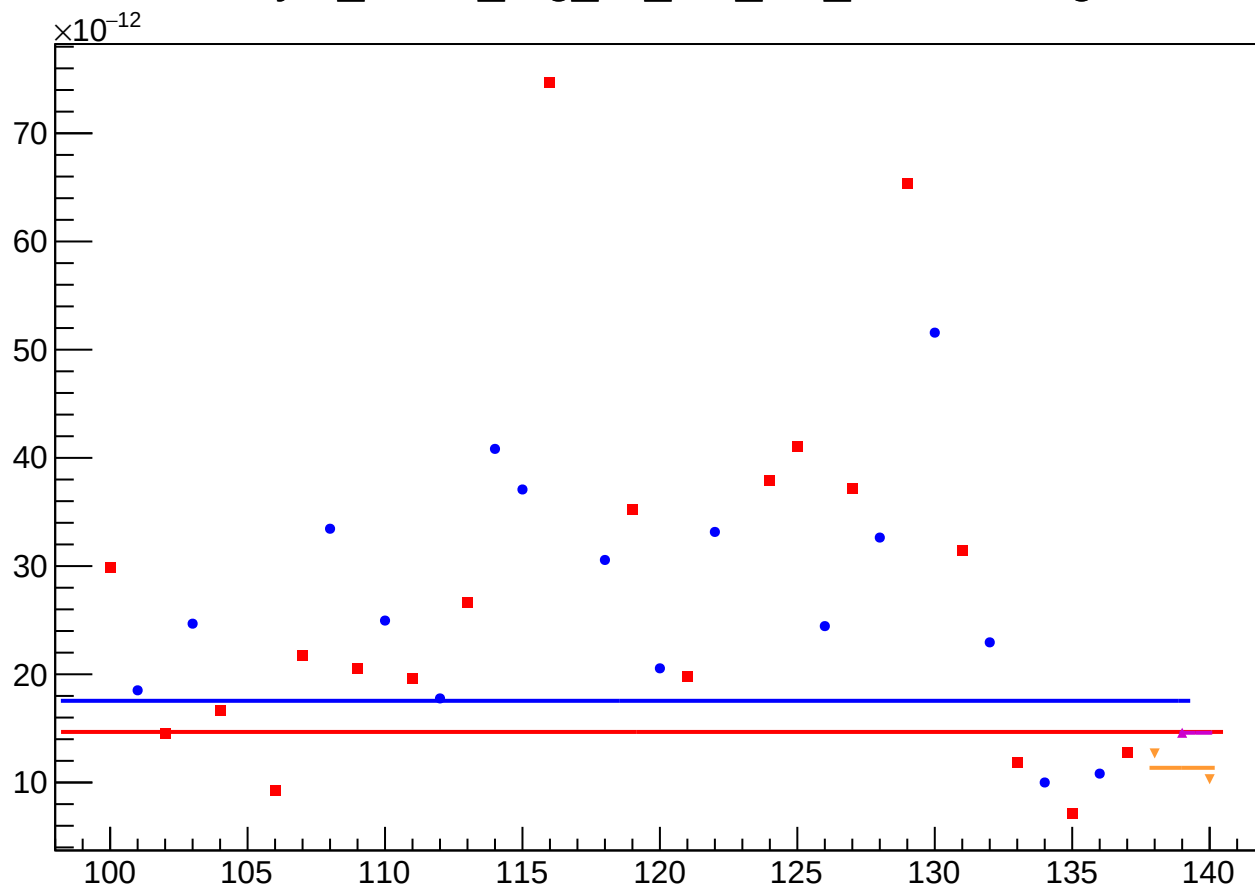
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/19

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :12856.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1741597.8/18

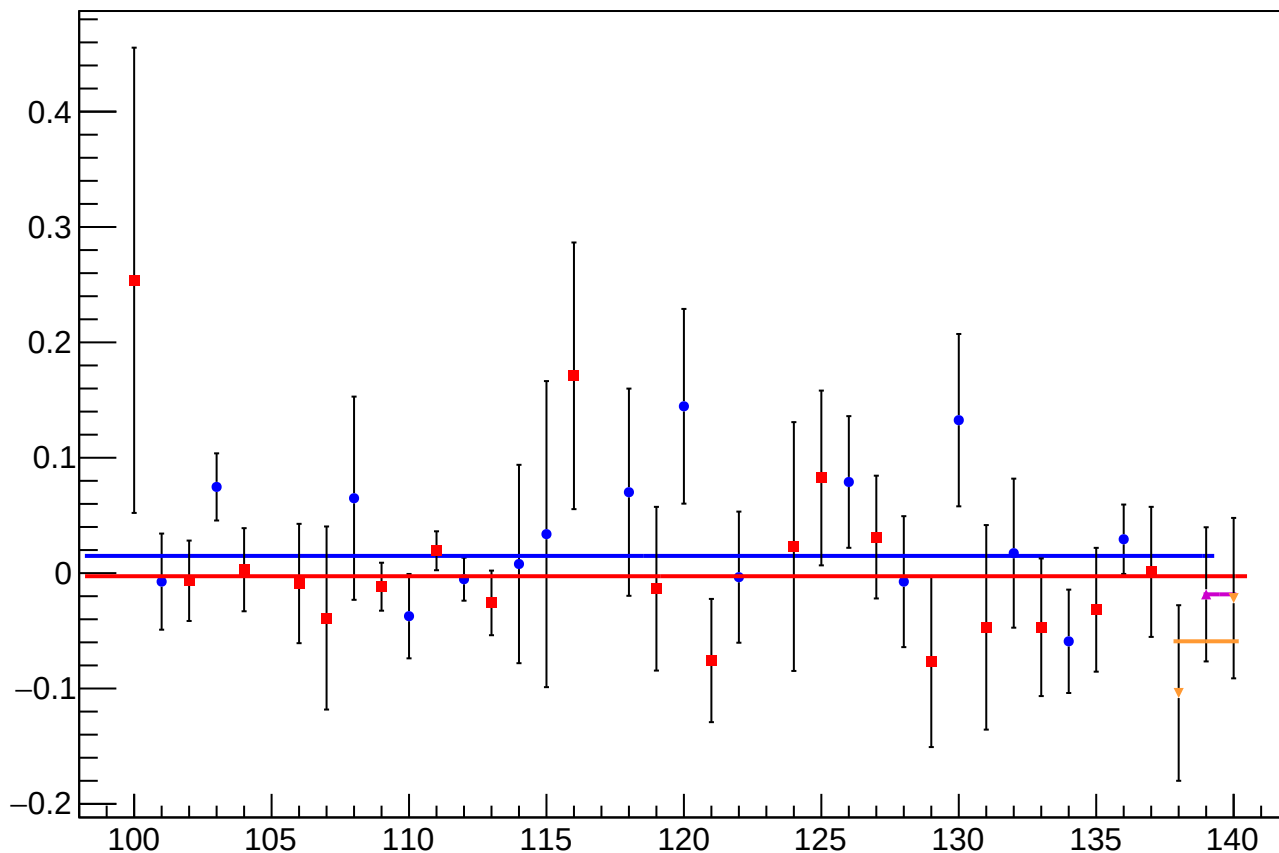
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1400144.5/17

All: 0.000+/-0.000 χ^2/NDF : 3149506.9/37

- sign 0.000+/-0.000 χ^2/NDF : 1741616.7/19

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

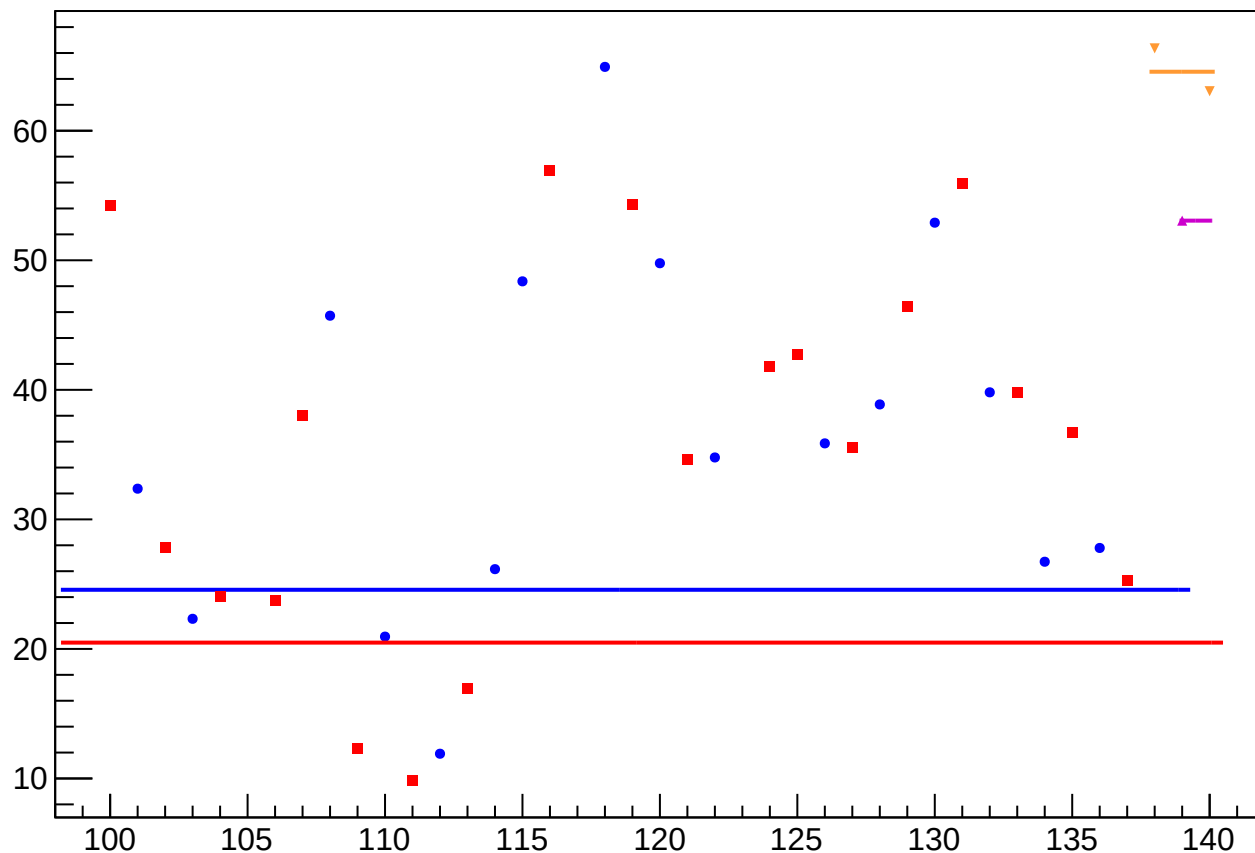
Left In: -0.018 ± 0.058 χ^2/NDF : 0.0/0

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/37

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/19

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF : 2484530.5/15

Left Out: 64.555+/-0.036 χ^2/NDF : 2061.1/1

Right Out: 20.488+/-0.007 χ^2/NDF : 3583938.4/18

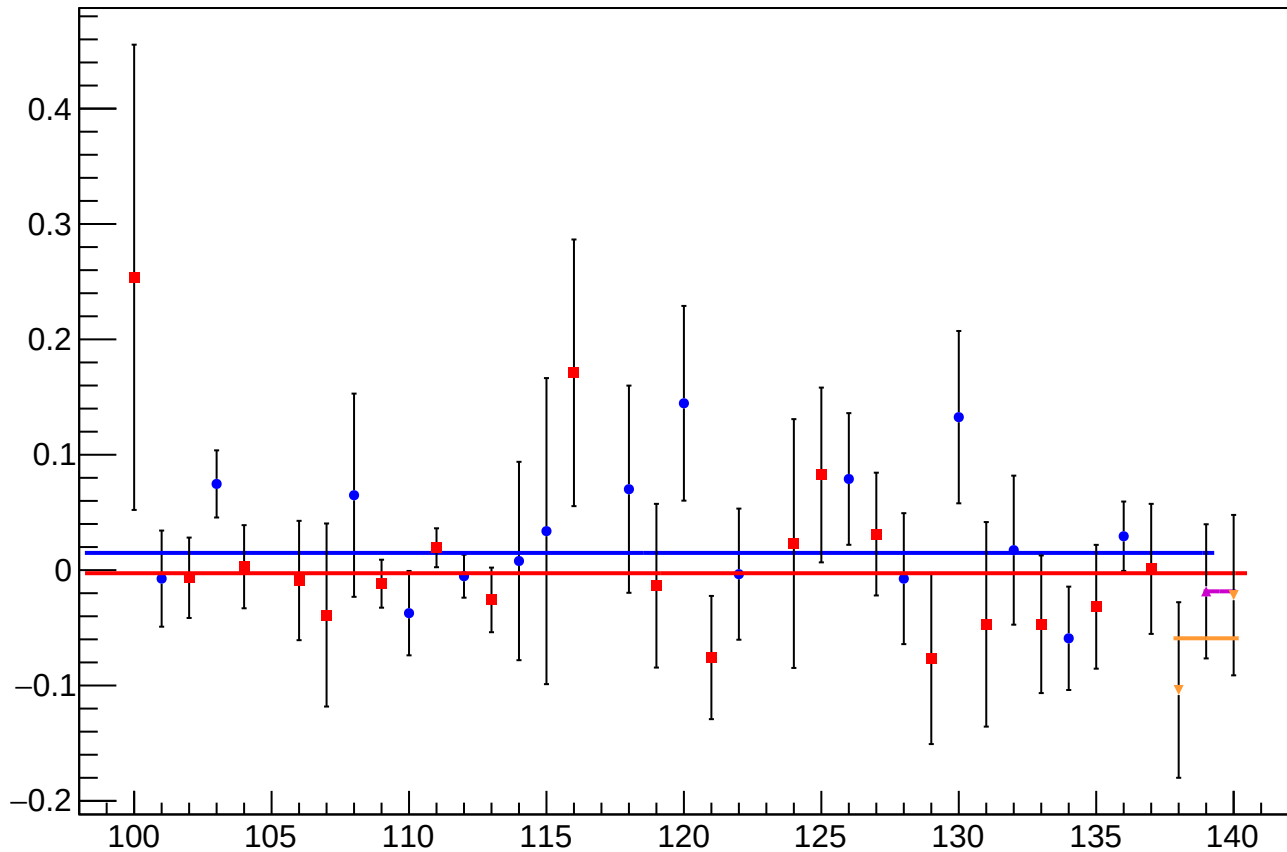
Left In: 53.060+/-0.041 χ^2/NDF : 0.0/0

+ sign 26.198+/-0.007 χ^2/NDF : 3651141.4/17

All: 23.427+/-0.005 χ^2/NDF : 8100451.2/37

- sign 21.288+/-0.006 χ^2/NDF : 4196225.1/19

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

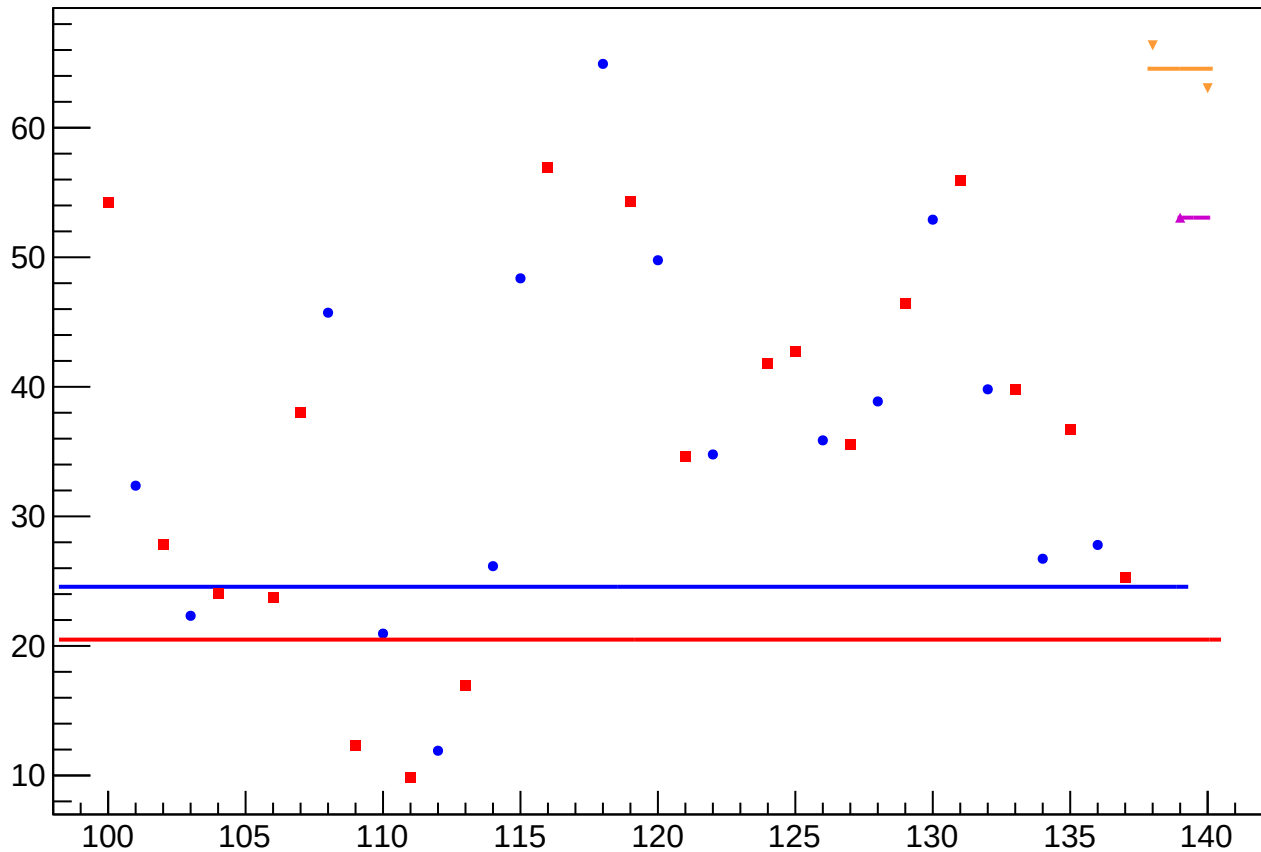
Left In: -0.018 ± 0.058 χ^2/NDF : 0.0/0

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/37

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/19

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2 /NDF: 2484530.5/15

Left Out: 64.555 $\pm$ 0.036 χ^2 /NDF: 2061.1/1

Right Out: 20.488 $\pm$ 0.007 χ^2 /NDF: 3583938.4/18

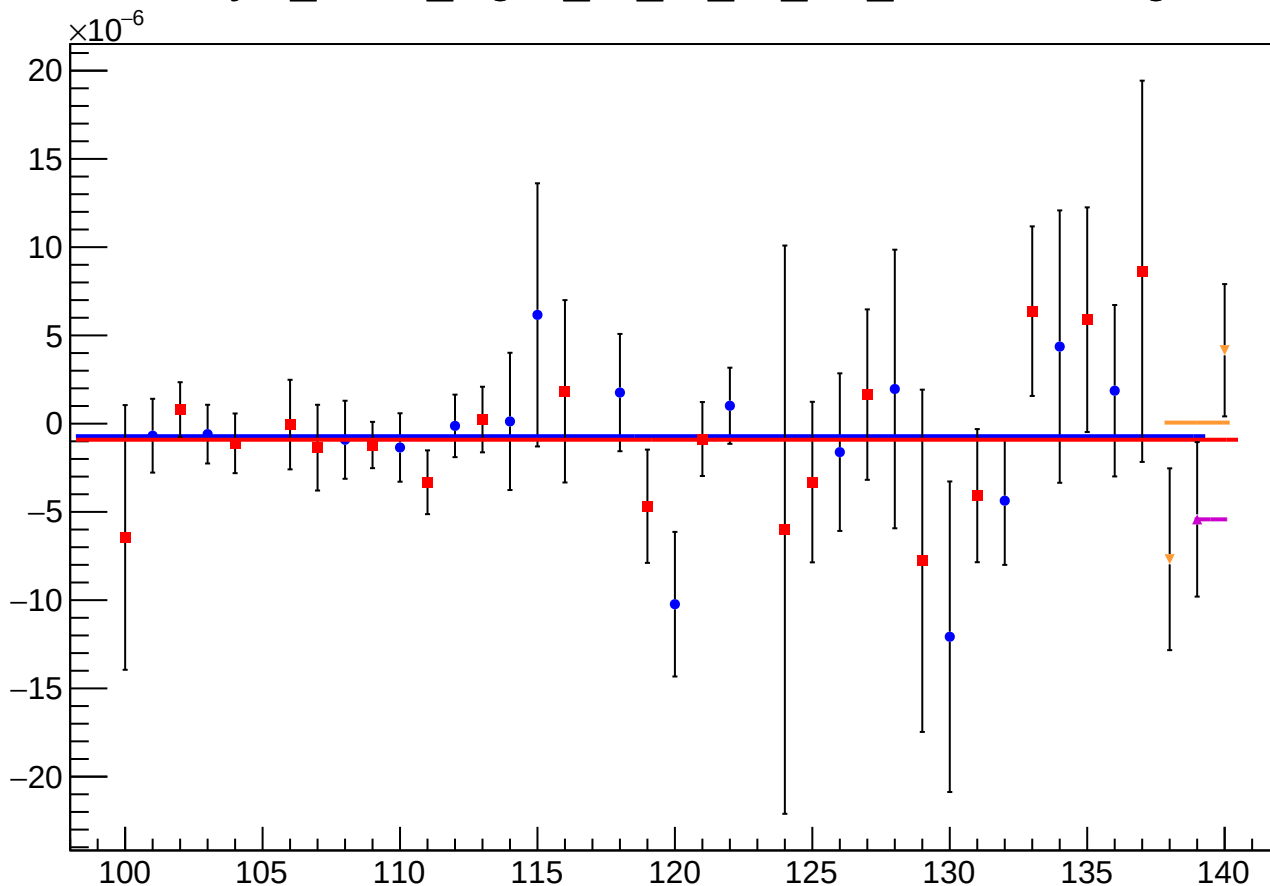
Left In: 53.060 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 26.198 $\pm$ 0.007 χ^2 /NDF: 3651141.4/17

All: 23.427 $\pm$ 0.005 χ^2 /NDF: 8100451.2/37

- sign 21.288 $\pm$ 0.006 χ^2 /NDF: 4196225.1/19

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 3.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.9/18

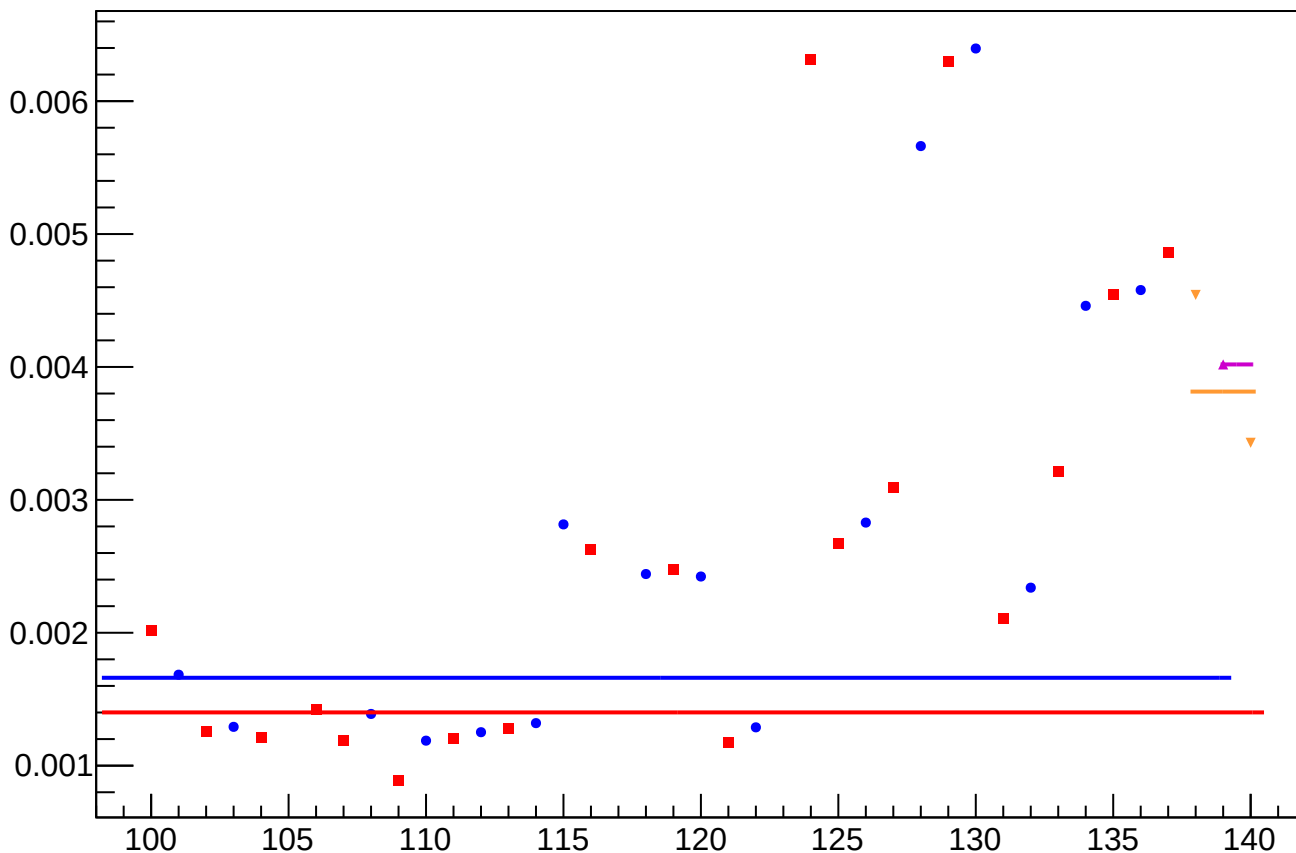
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 14.8/17

All: -0.000 ± 0.000 χ^2/NDF : 27.8/37

- sign -0.000 ± 0.000 χ^2/NDF : 12.9/19

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2942035.6/15

Left Out: 0.004+/-0.000 χ^2/NDF : 61016.6/1

Right Out: 0.001+/-0.000 χ^2/NDF : 2915624.2/18

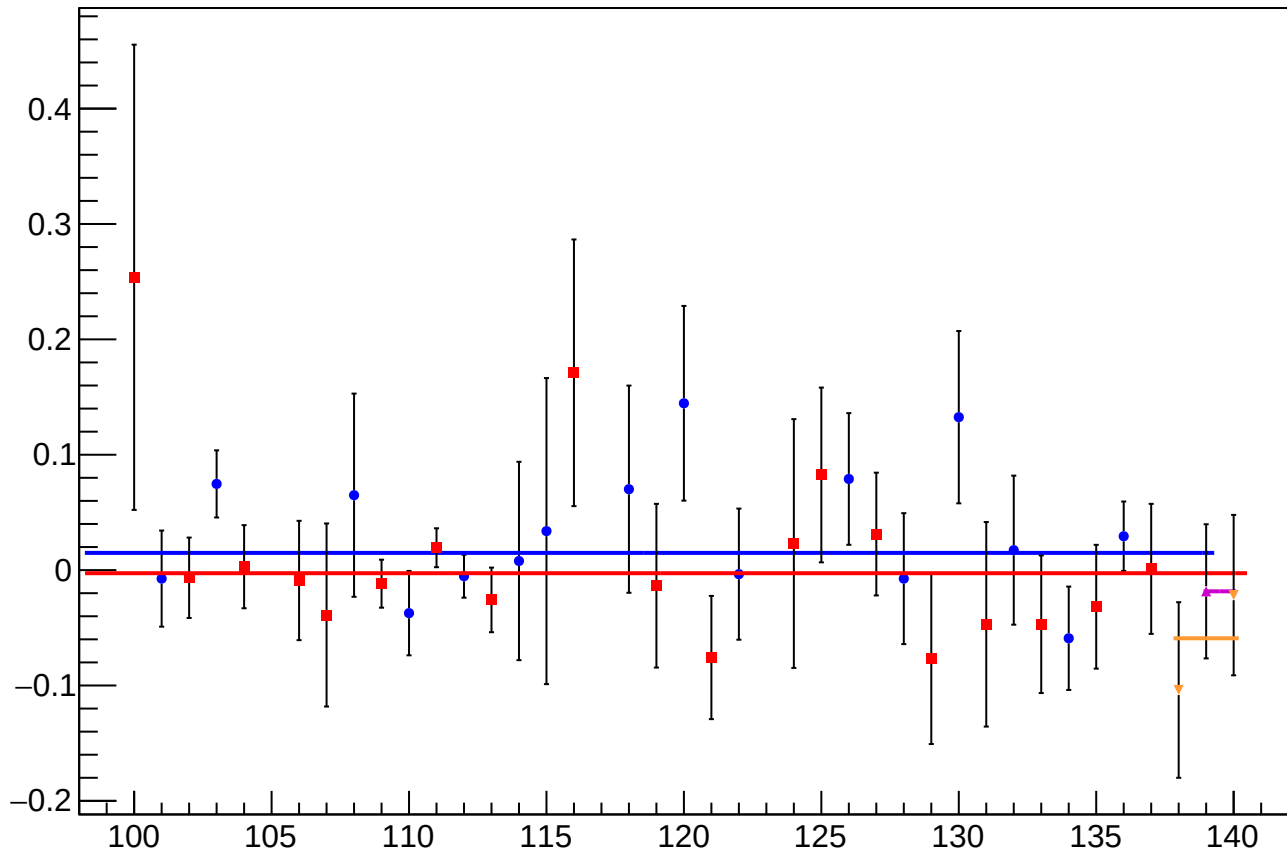
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 3961869.6/17

All: 0.002+/-0.000 χ^2/NDF : 7840407.4/37

- sign 0.001+/-0.000 χ^2/NDF : 3618625.9/19

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

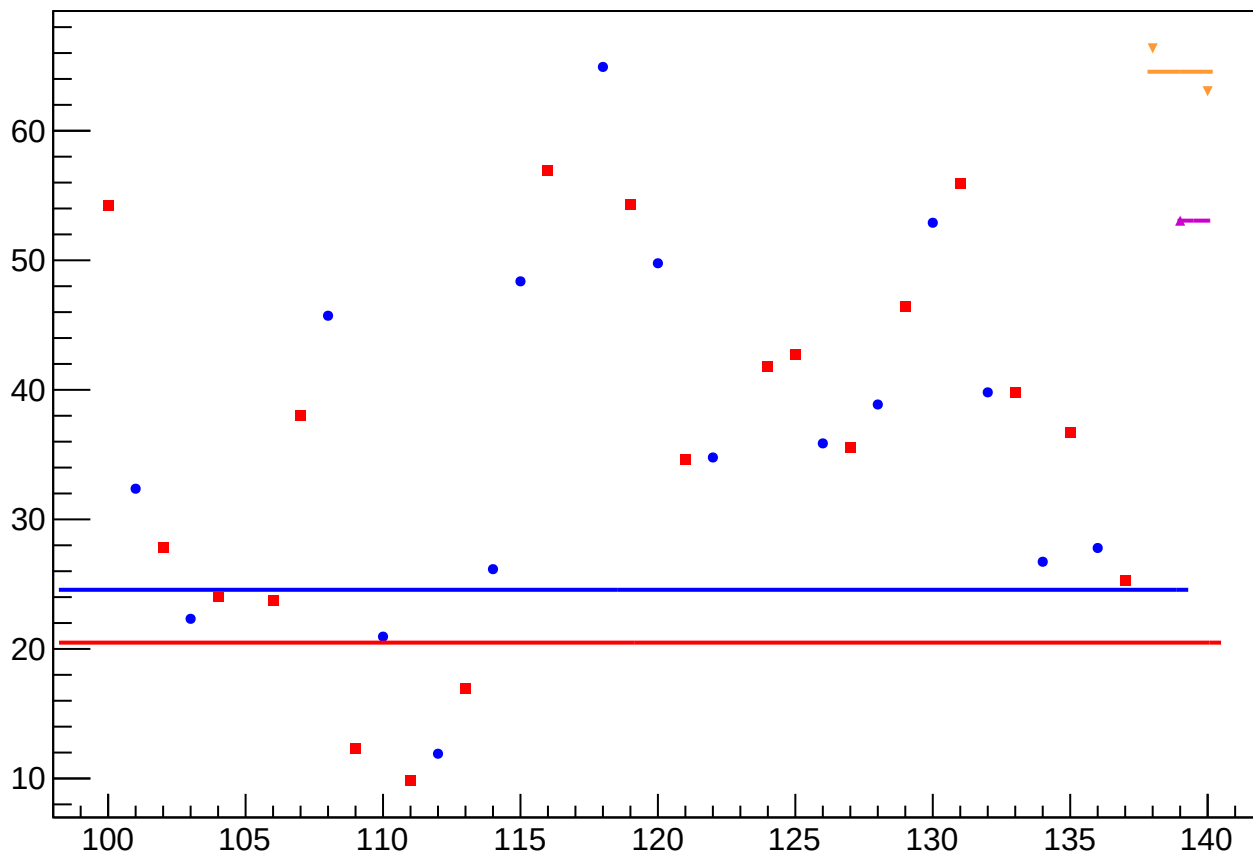
Left In: -0.018 ± 0.058 χ^2/NDF : 0.0/0

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/37

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/19

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF : 2484434.5/15

Left Out: 64.557+/-0.036 χ^2/NDF : 2061.6/1

Right Out: 20.487+/-0.007 χ^2/NDF : 3583888.1/18

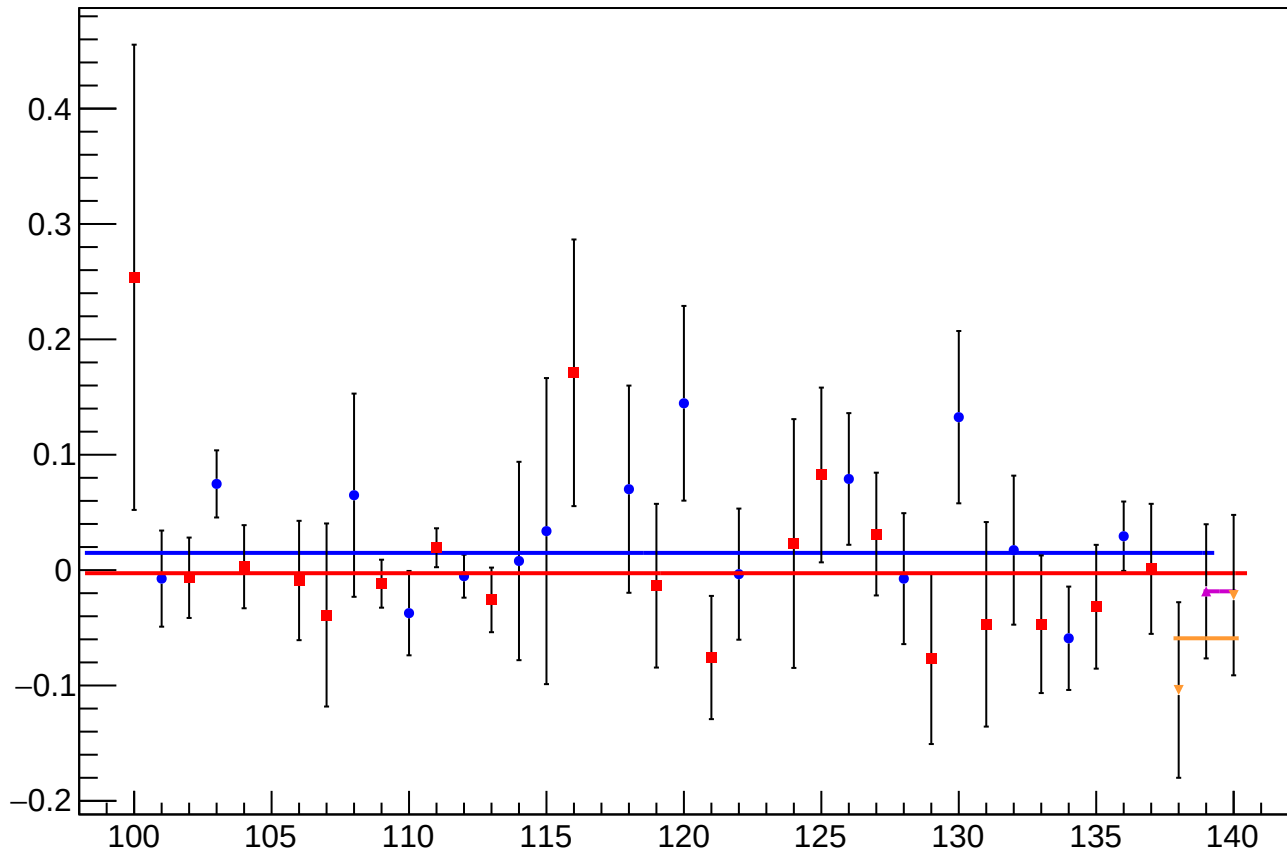
Left In: 53.062+/-0.041 χ^2/NDF : 0.0/0

+ sign 26.198+/-0.007 χ^2/NDF : 3651136.8/17

All: 23.427+/-0.005 χ^2/NDF : 8100459.2/37

- sign 21.287+/-0.006 χ^2/NDF : 4196228.1/19

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

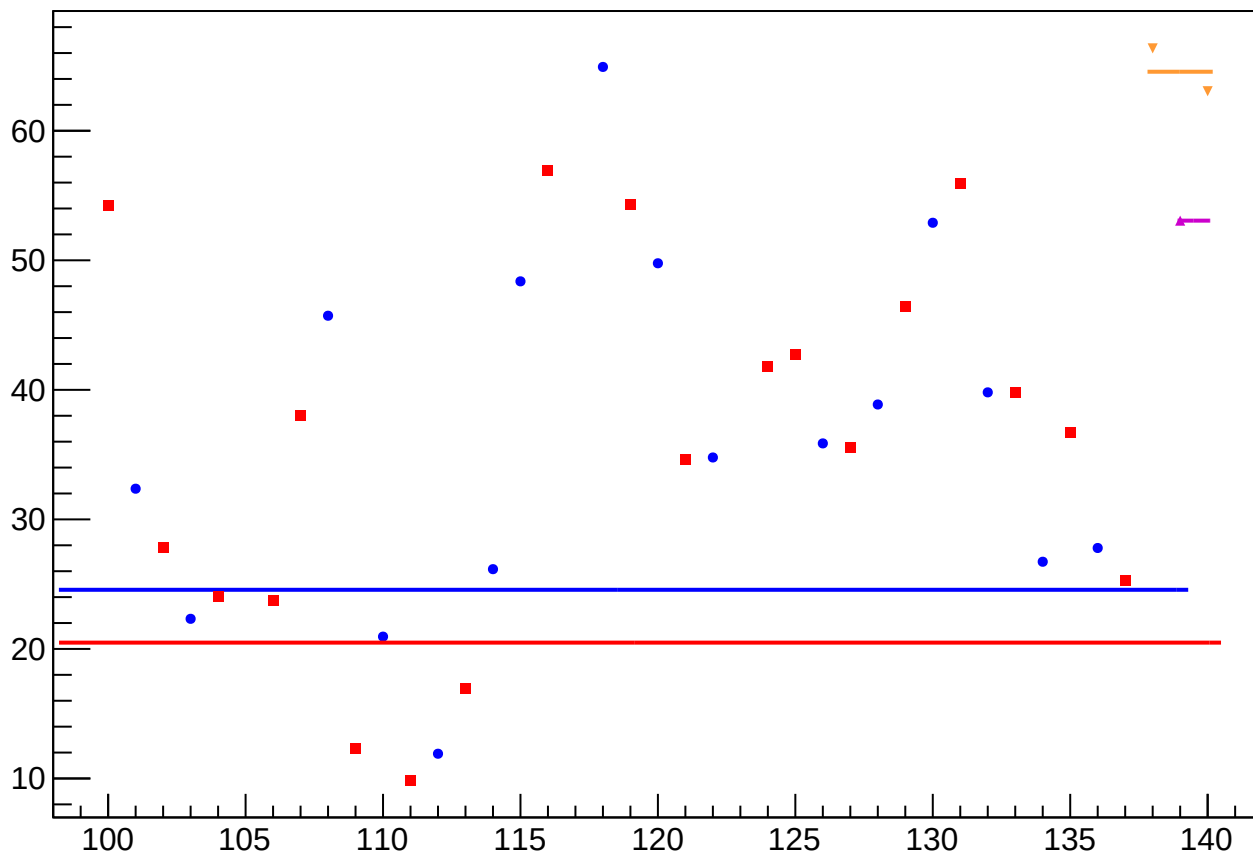
Left In: -0.018 ± 0.058 χ^2/NDF : 0.0/0

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/37

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/19

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2 /NDF: 2484434.5/15

Left Out: 64.557 $\pm$ 0.036 χ^2 /NDF: 2061.6/1

Right Out: 20.487 $\pm$ 0.007 χ^2 /NDF: 3583888.1/18

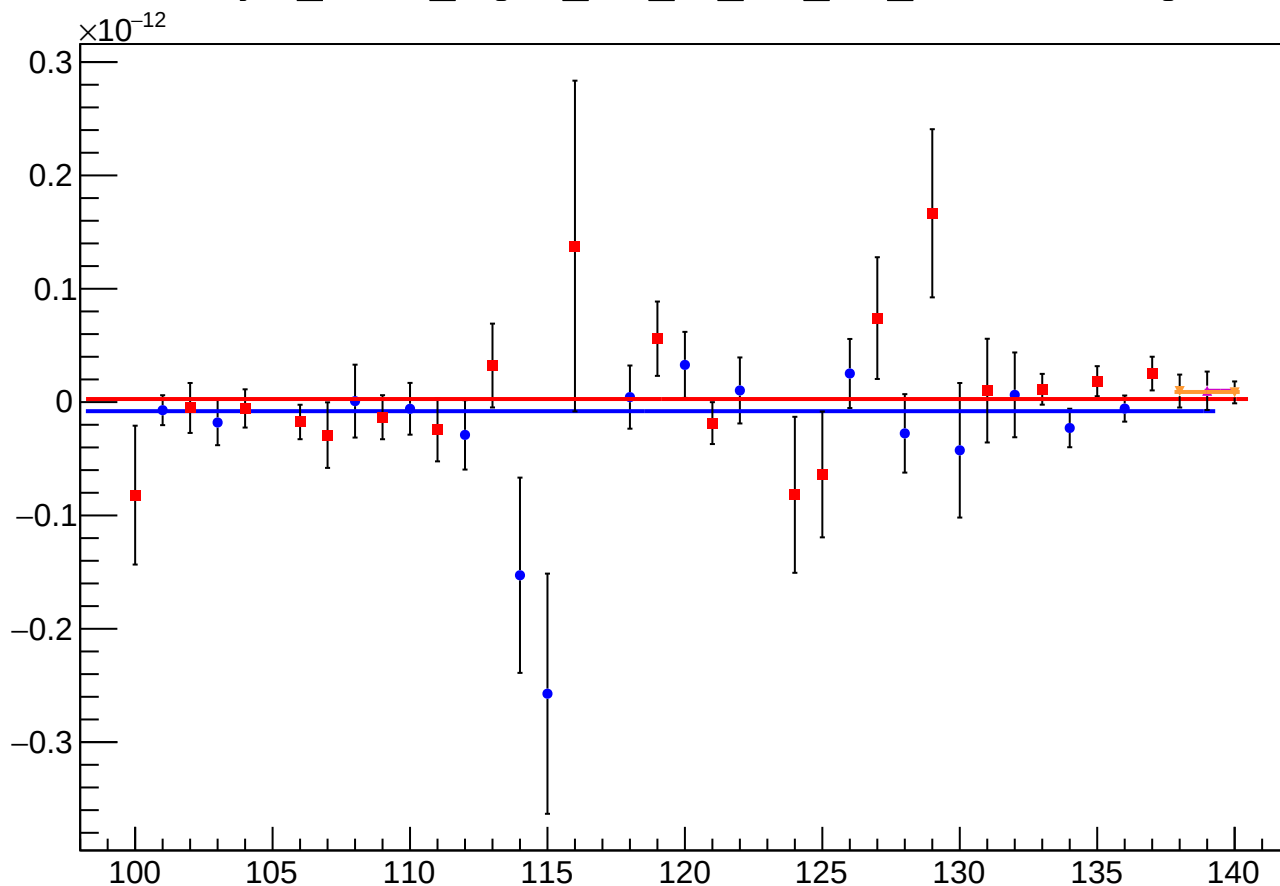
Left In: 53.062 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 26.198 $\pm$ 0.007 χ^2 /NDF: 3651136.8/17

All: 23.427 $\pm$ 0.005 χ^2 /NDF: 8100459.2/37

- sign 21.287 $\pm$ 0.006 χ^2 /NDF: 4196228.1/19

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/18

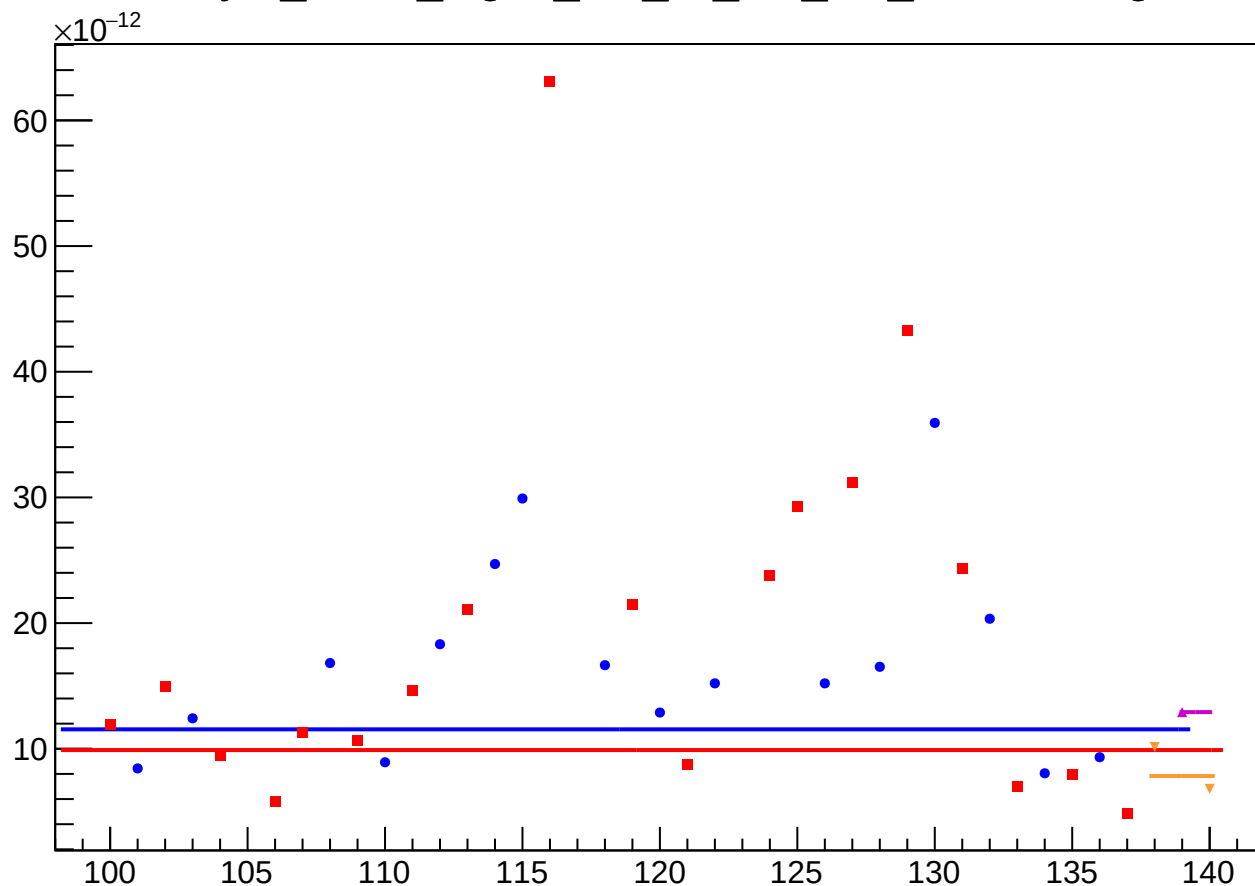
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/19

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 72696.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2635766.2/18

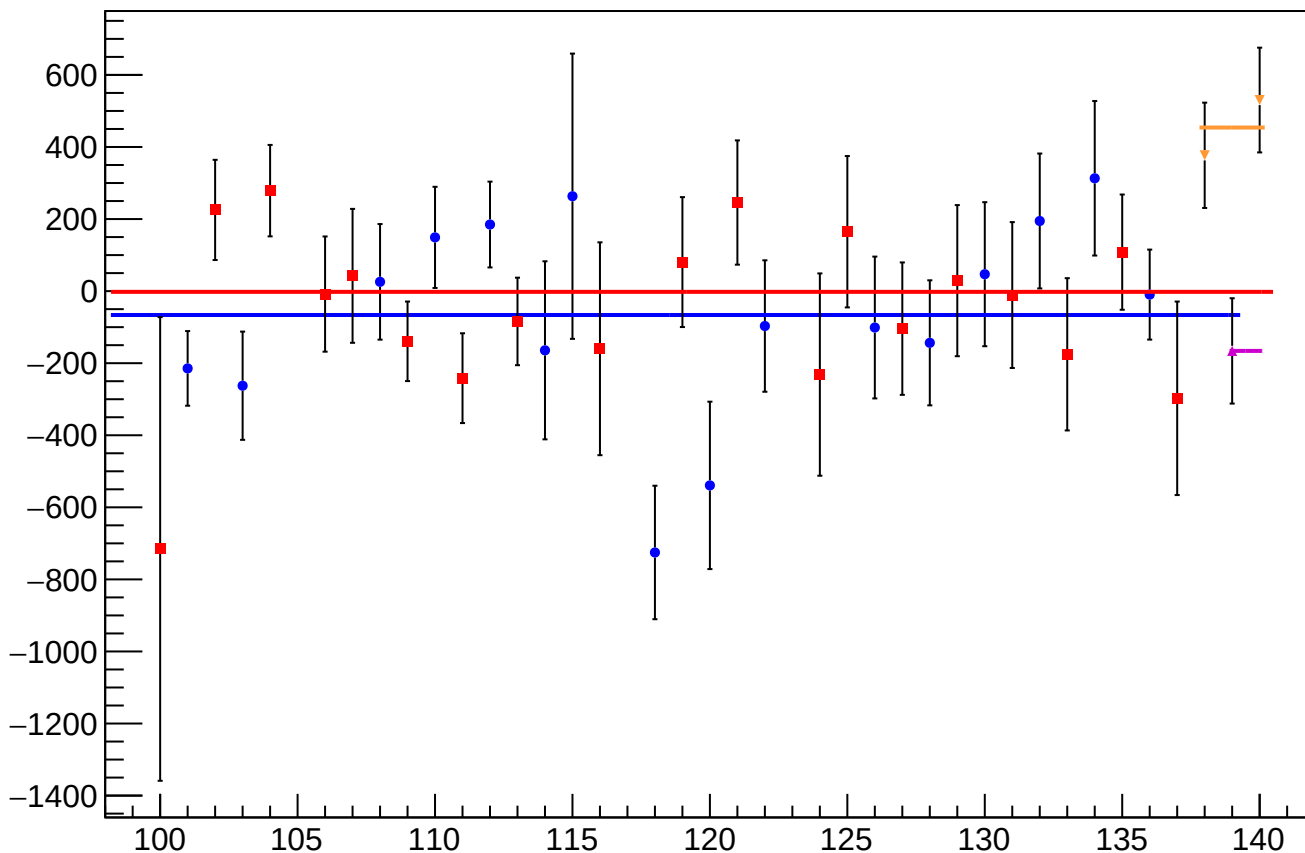
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1534145.4/17

All: 0.000+/-0.000 χ^2/NDF : 4228703.5/37

- sign 0.000+/-0.000 χ^2/NDF : 2693881.9/19

reg_asym_sam6_mean vs Slug



Right In: -66.230 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 454.004 ± 103.057 χ^2/NDF : 0.6/1

Right Out: -2.017 ± 38.866 χ^2/NDF : 21.1/18

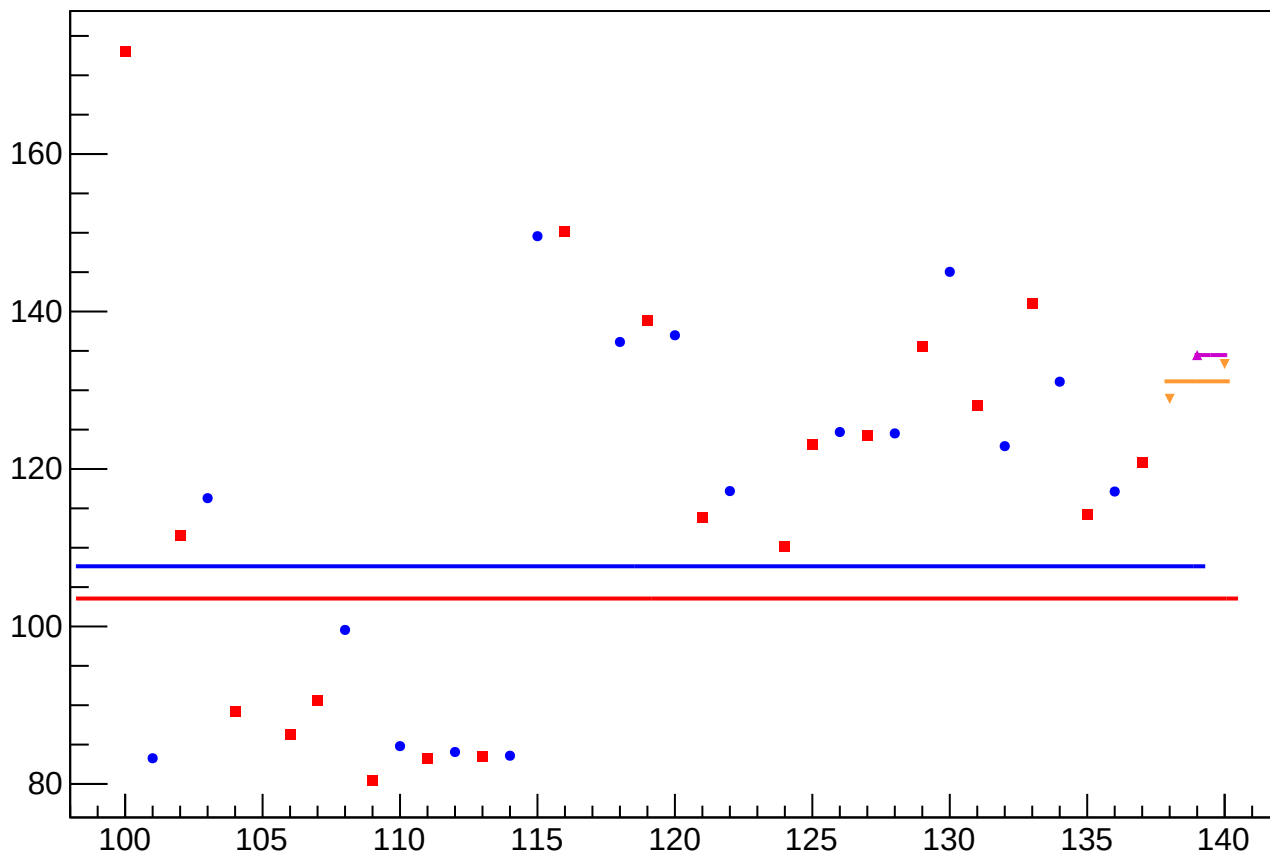
Left In: -165.916 ± 146.159 χ^2/NDF : 0.0/0

+ sign 4.670 ± 38.045 χ^2/NDF : 57.0/17

All: -4.198 ± 26.729 χ^2/NDF : 79.4/37

- sign -12.841 ± 37.561 χ^2/NDF : 22.3/19

reg_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532821.7/15

Left Out: 131.131 $\pm$ 0.073 χ^2 /NDF: 919.8/1

Right Out: 103.550 $\pm$ 0.027 χ^2 /NDF: 617345.0/18

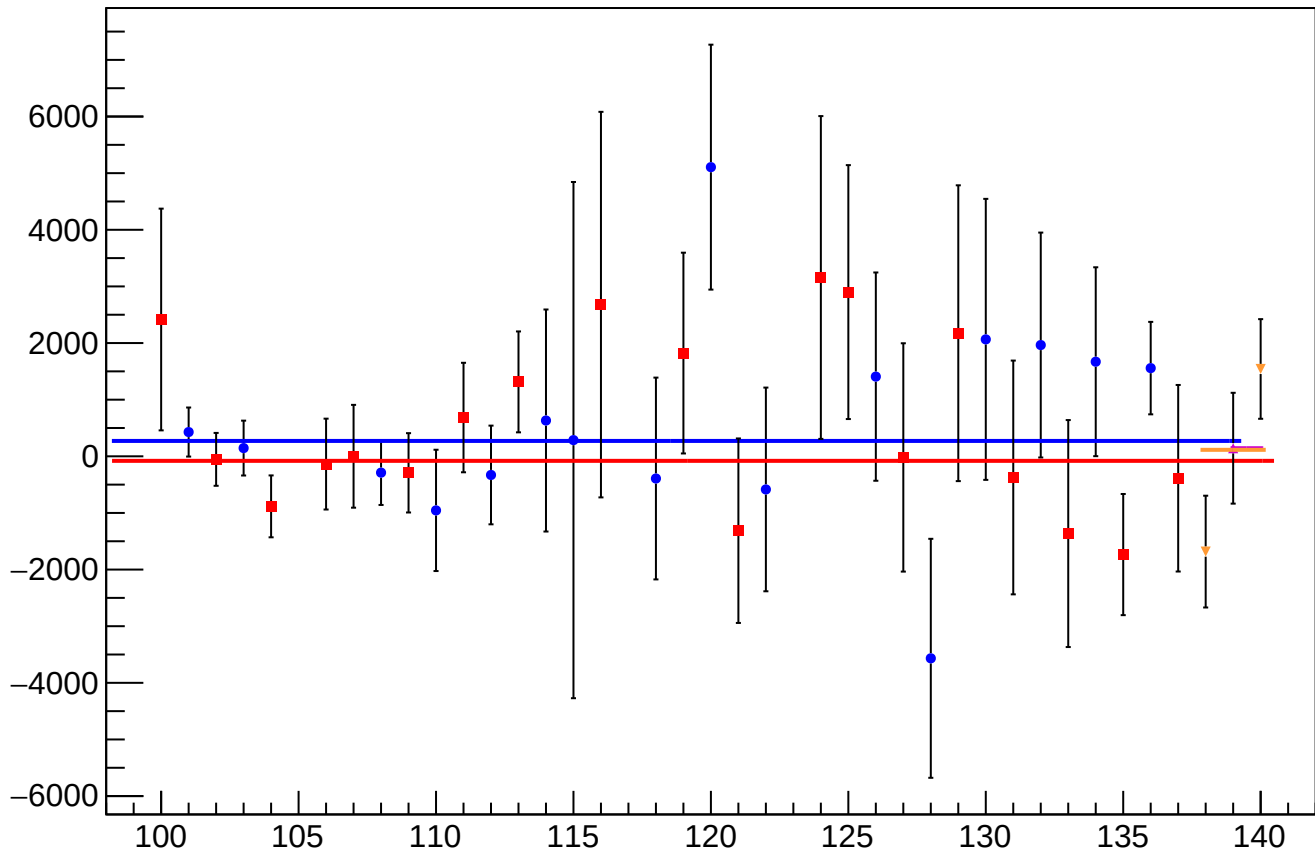
Left In: 134.470 $\pm$ 0.103 χ^2 /NDF: 0.0/0

+ sign 110.845 $\pm$ 0.027 χ^2 /NDF: 623466.8/17

All: 108.185 $\pm$ 0.019 χ^2 /NDF: 1343719.2/37

- sign 105.592 $\pm$ 0.027 χ^2 /NDF: 700942.0/19

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505 $\pm$ 230.663 χ^2 /NDF: 16.5/15

Left Out: 114.433 $\pm$ 656.748 χ^2 /NDF: 5.9/1

Right Out: -80.094 $\pm$ 232.154 χ^2 /NDF: 16.0/18

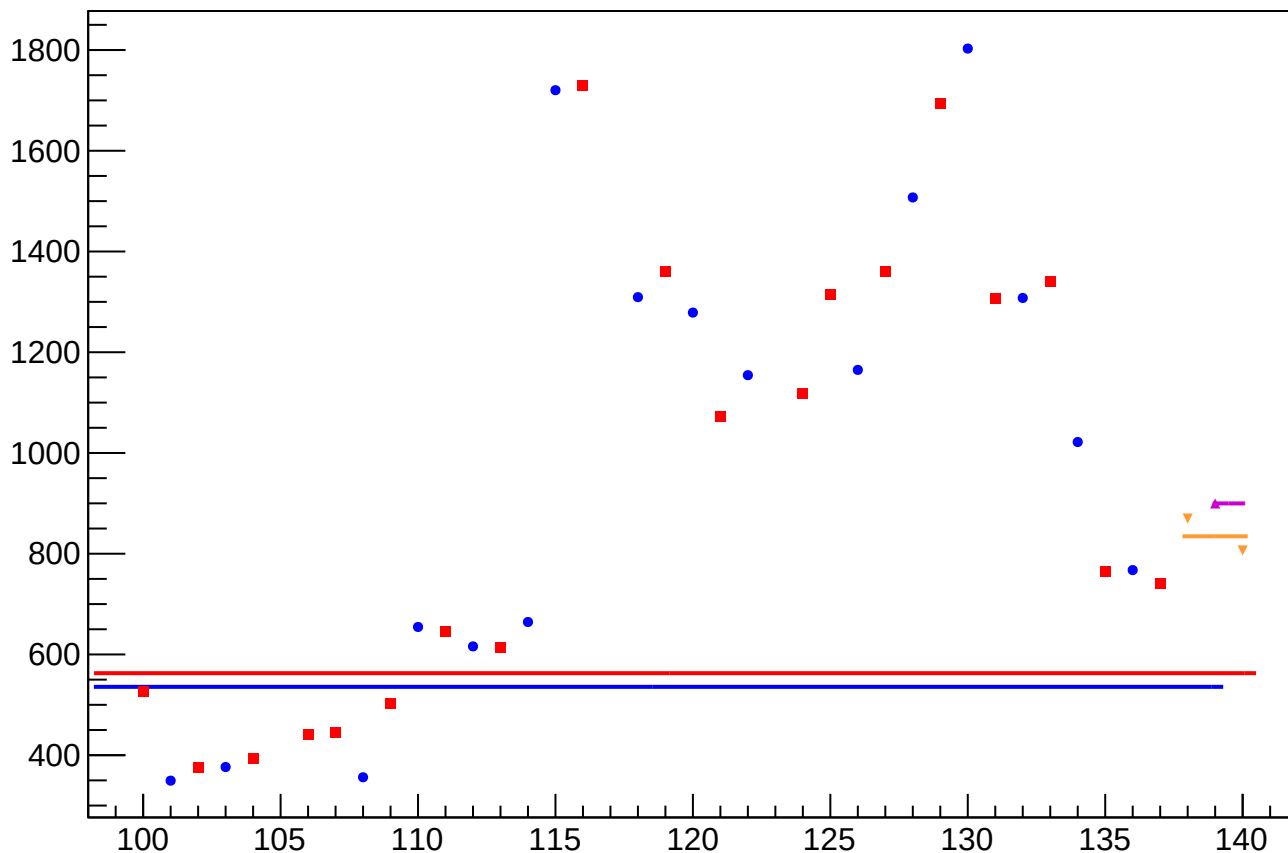
Left In: 142.834 $\pm$ 978.517 χ^2 /NDF: 0.0/0

+ sign 254.257 $\pm$ 217.630 χ^2 /NDF: 22.5/17

All: 99.020 $\pm$ 156.724 χ^2 /NDF: 39.6/37

- sign -68.215 $\pm$ 225.884 χ^2 /NDF: 16.1/19

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF : 3632390.5/15

Left Out: 834.530+/-0.464 χ^2/NDF : 4586.5/1

Right Out: 562.845+/-0.164 χ^2/NDF : 3111031.5/18

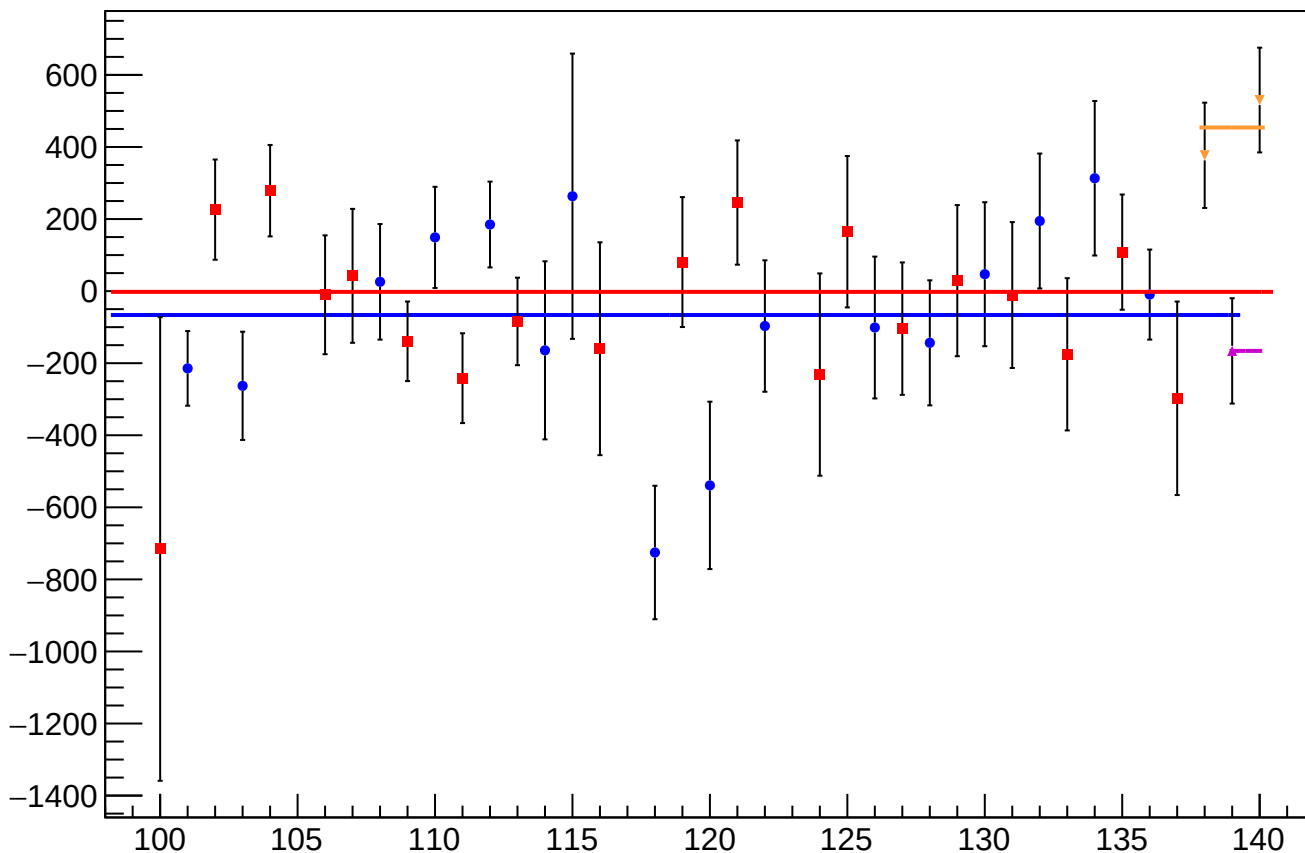
Left In: 899.800+/-0.692 χ^2/NDF : 0.0/0

+ sign 568.499+/-0.154 χ^2/NDF : 4005626.7/17

All: 574.421+/-0.111 χ^2/NDF : 7344253.6/37

- sign 580.801+/-0.160 χ^2/NDF : 3335550.9/19

cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 453.998 ± 103.057 χ^2/NDF : 0.6/1

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

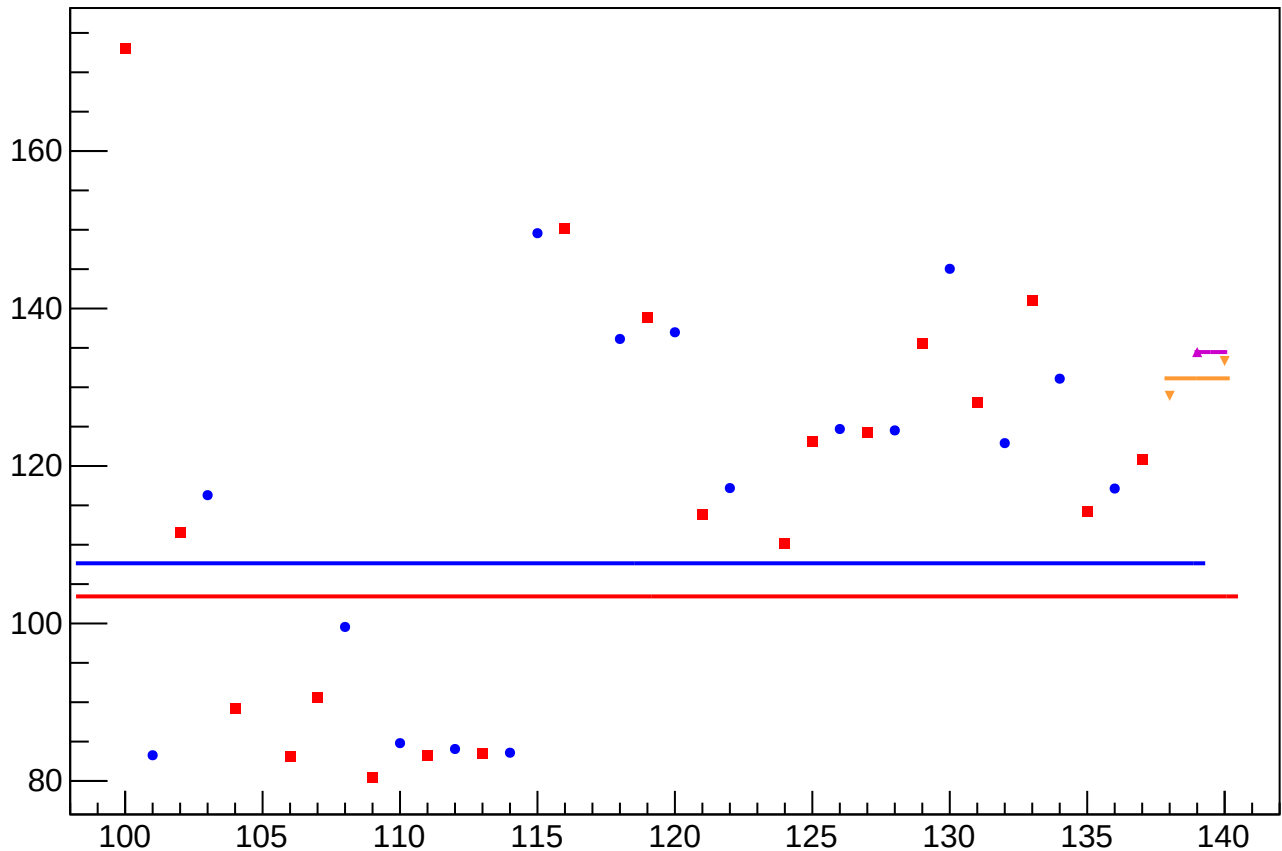
Left In: -165.910 ± 146.159 χ^2/NDF : 0.0/0

+ sign 4.647 ± 38.045 χ^2/NDF : 57.0/17

All: -4.234 ± 26.752 χ^2/NDF : 79.4/37

- sign -12.920 ± 37.624 χ^2/NDF : 22.3/19

cor_asym_sam6_rms vs Slug



Right In: 107.644 ± 0.029 χ^2/NDF : 532822.8/15

Left Out: 131.131 ± 0.073 χ^2/NDF : 919.8/1

Right Out: 103.438 ± 0.028 χ^2/NDF : 624750.2/18

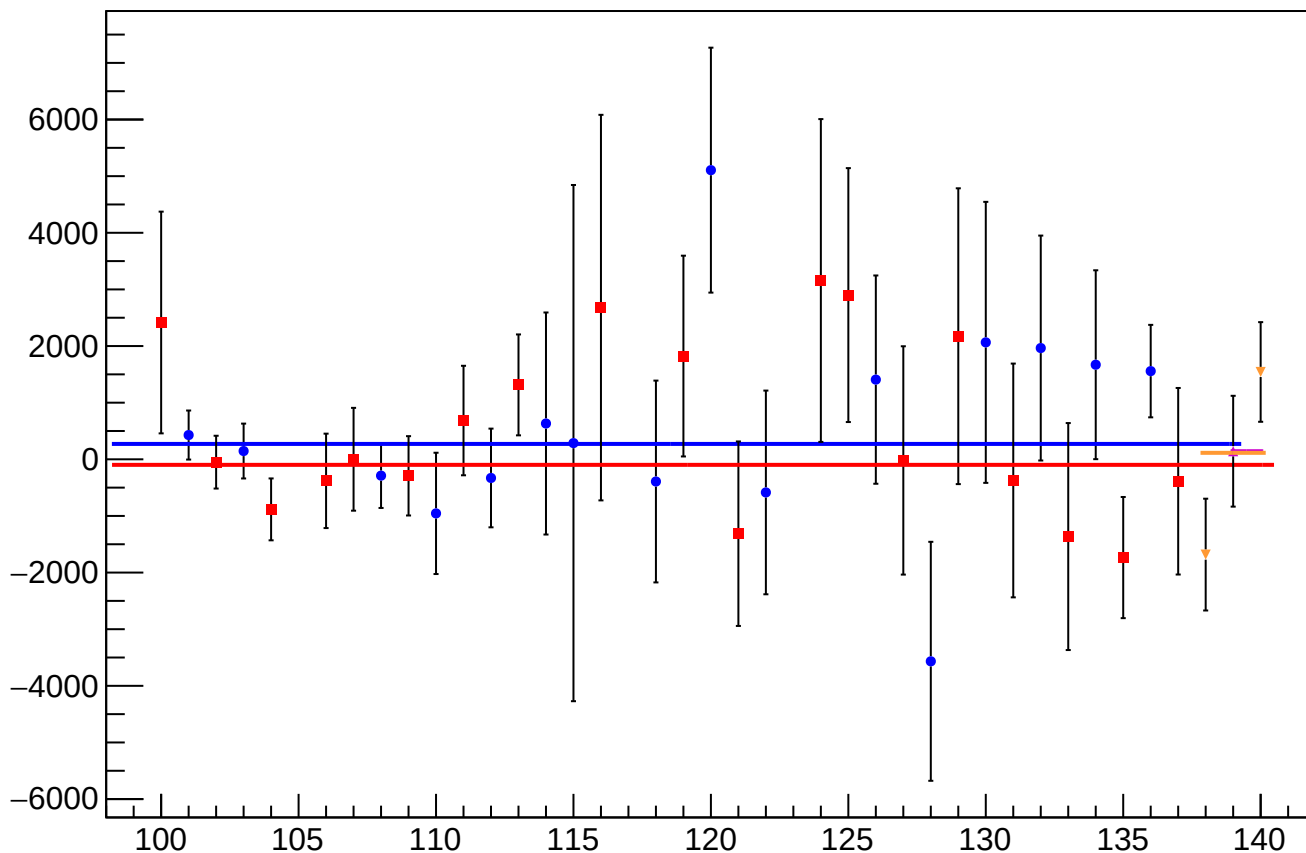
Left In: 134.470 ± 0.103 χ^2/NDF : 0.0/0

+ sign 110.845 ± 0.027 χ^2/NDF : 623467.5/17

All: 108.140 ± 0.019 χ^2/NDF : 1352404.2/37

- sign 105.494 ± 0.027 χ^2/NDF : 708934.1/19

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: 114.458 $\pm$ 656.748 χ^2 /NDF: 5.9/1

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

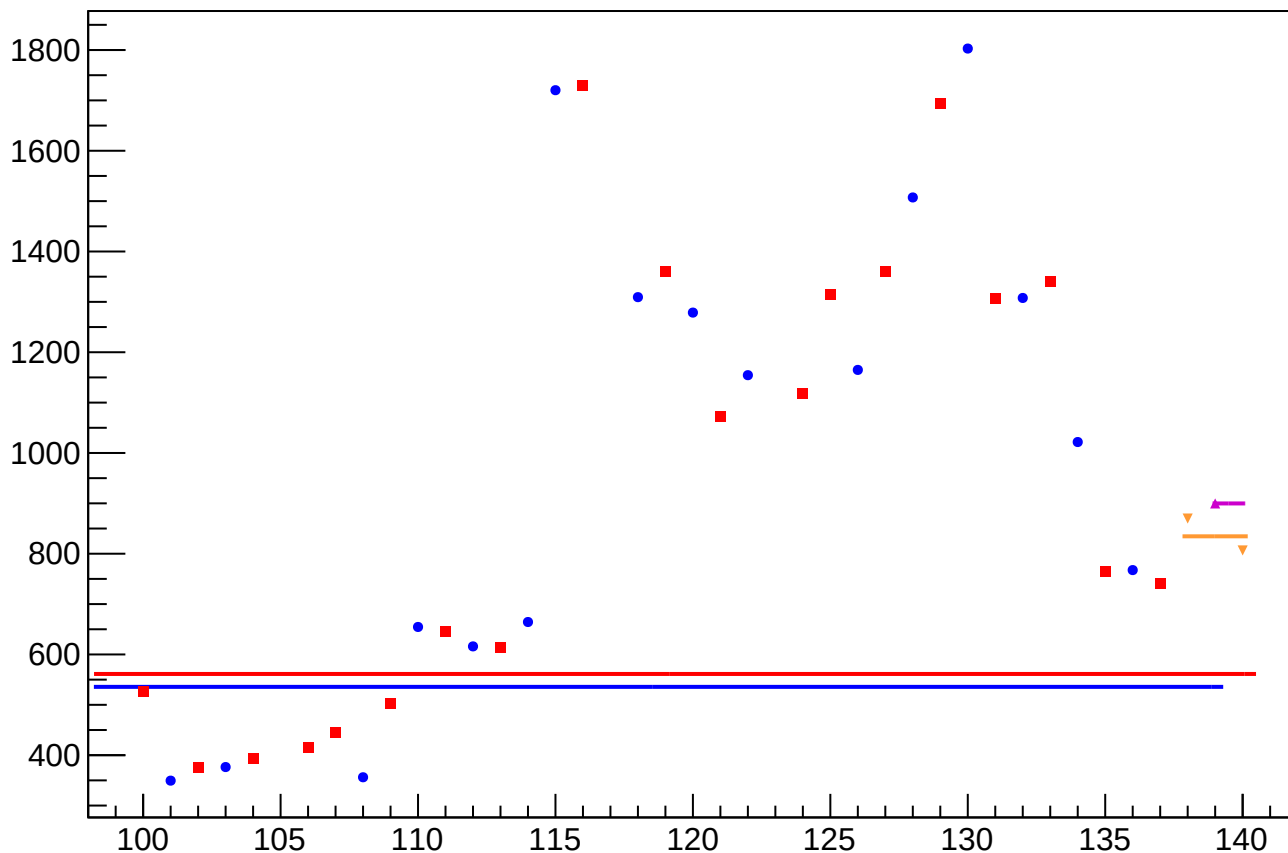
Left In: 142.838 $\pm$ 978.518 χ^2 /NDF: 0.0/0

+ sign 254.385 $\pm$ 217.624 χ^2 /NDF: 22.5/17

All: 91.465 $\pm$ 156.915 χ^2 /NDF: 39.8/37

- sign -84.955 $\pm$ 226.461 χ^2 /NDF: 16.2/19

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF : 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF : 4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF : 3130760.7/18

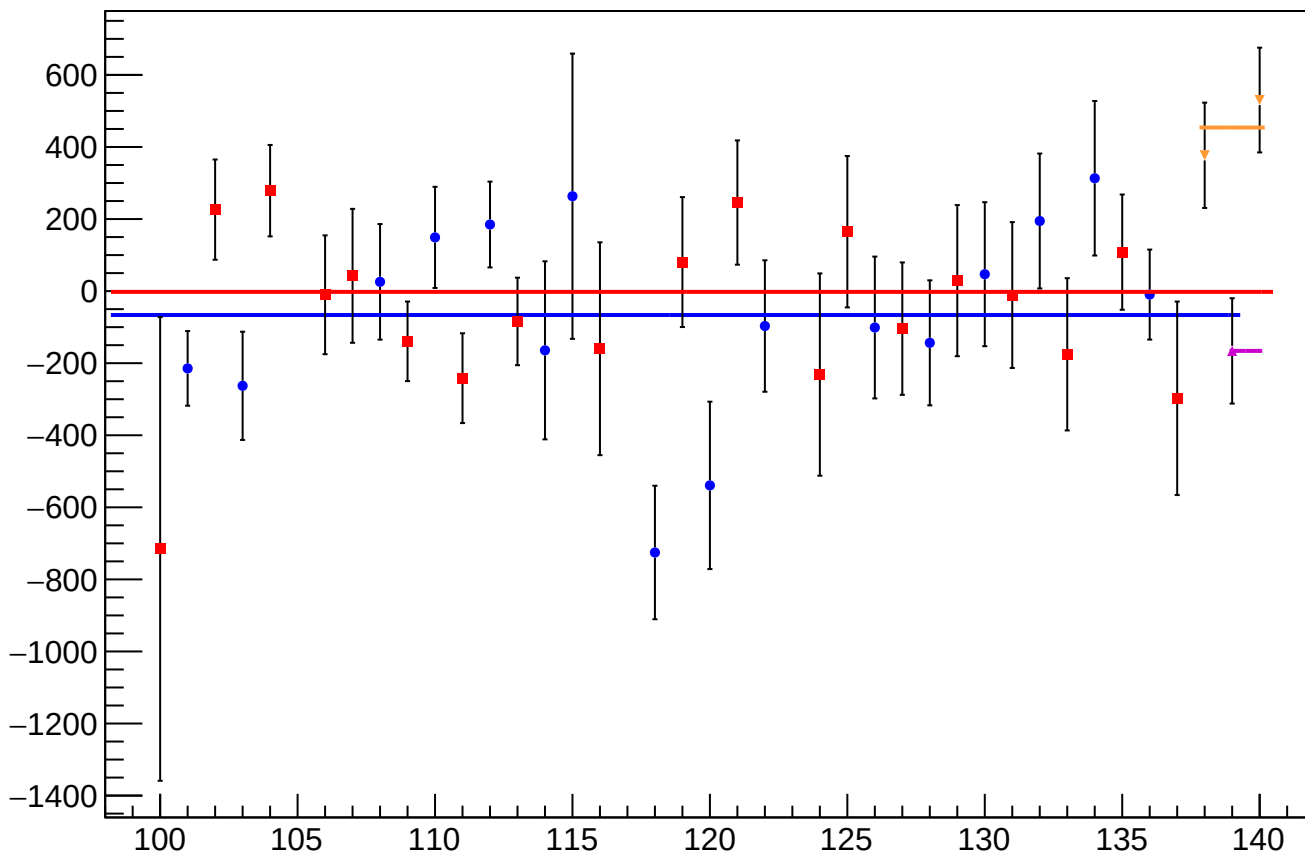
Left In: 899.800+/-0.692 χ^2/NDF : 0.0/0

+ sign 568.478+/-0.154 χ^2/NDF : 4005883.5/17

All: 573.723+/-0.111 χ^2/NDF : 7365622.2/37

- sign 579.402+/-0.160 χ^2/NDF : 3357319.6/19

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 453.998 ± 103.057 χ^2/NDF : 0.6/1

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

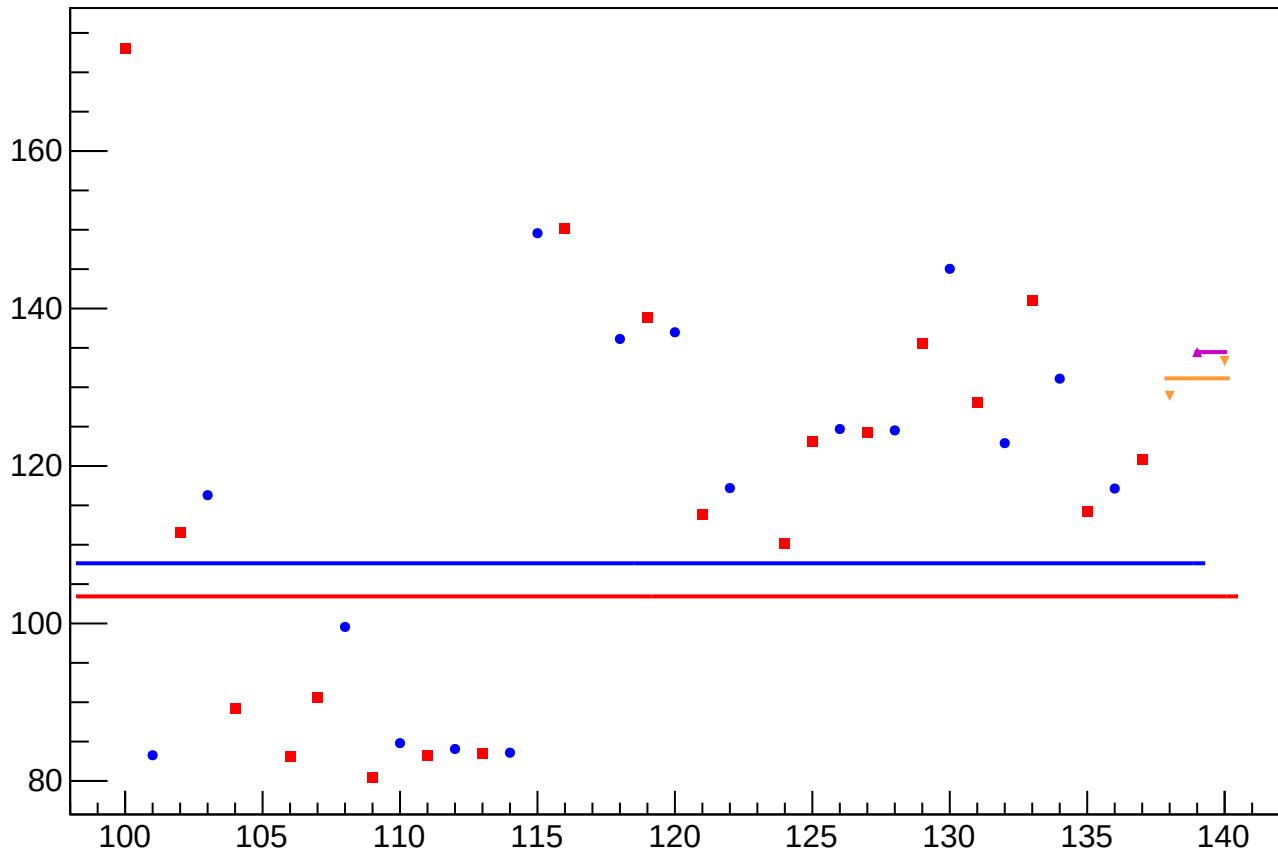
Left In: -165.910 ± 146.159 χ^2/NDF : 0.0/0

+ sign 4.647 ± 38.045 χ^2/NDF : 57.0/17

All: -4.234 ± 26.752 χ^2/NDF : 79.4/37

- sign -12.920 ± 37.624 χ^2/NDF : 22.3/19

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644 ± 0.029 χ^2/NDF : 532822.8/15

Left Out: 131.131 ± 0.073 χ^2/NDF : 919.8/1

Right Out: 103.438 ± 0.028 χ^2/NDF : 624750.2/18

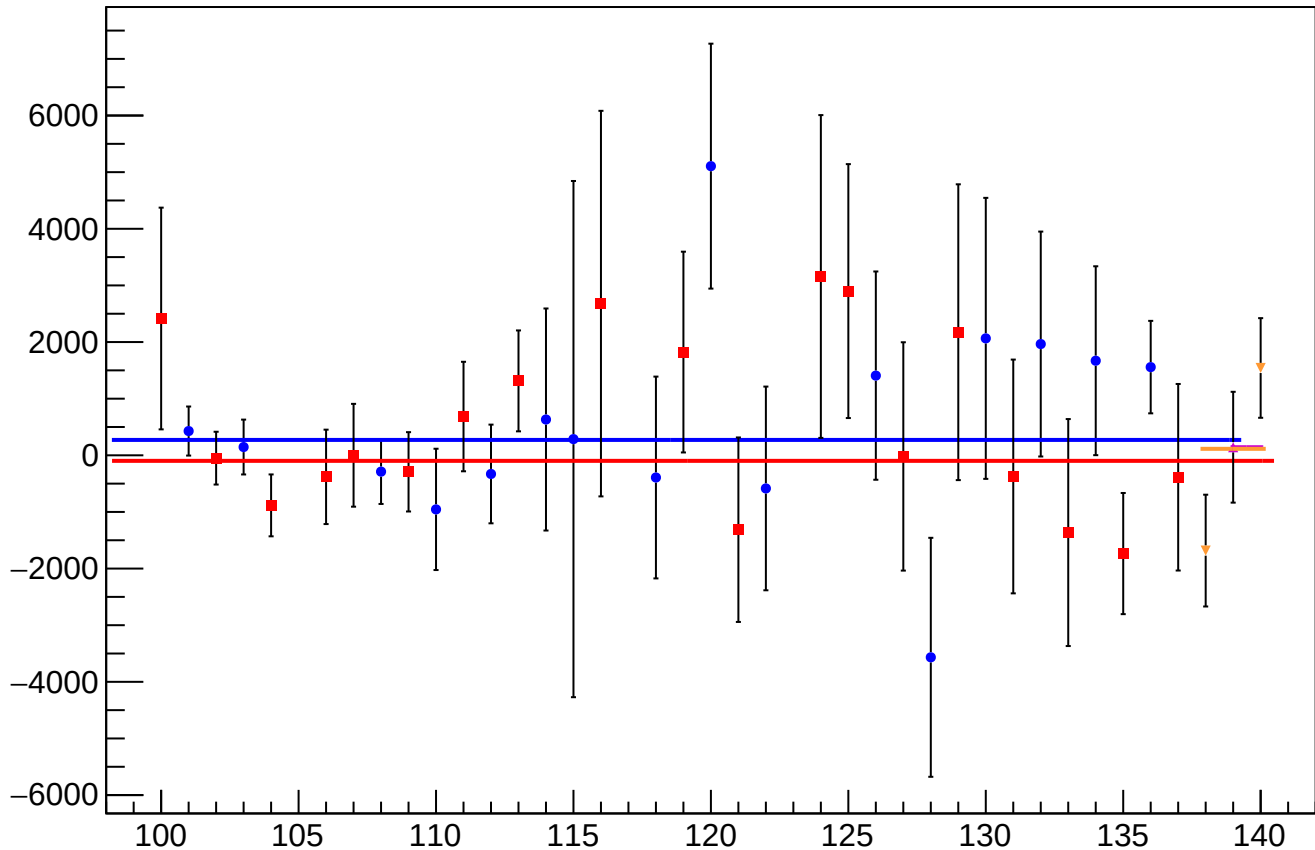
Left In: 134.470 ± 0.103 χ^2/NDF : 0.0/0

+ sign 110.845 ± 0.027 χ^2/NDF : 623467.5/17

All: 108.140 ± 0.019 χ^2/NDF : 1352404.2/37

- sign 105.494 ± 0.027 χ^2/NDF : 708934.1/19

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: 114.458 $\pm$ 656.748 χ^2 /NDF: 5.9/1

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

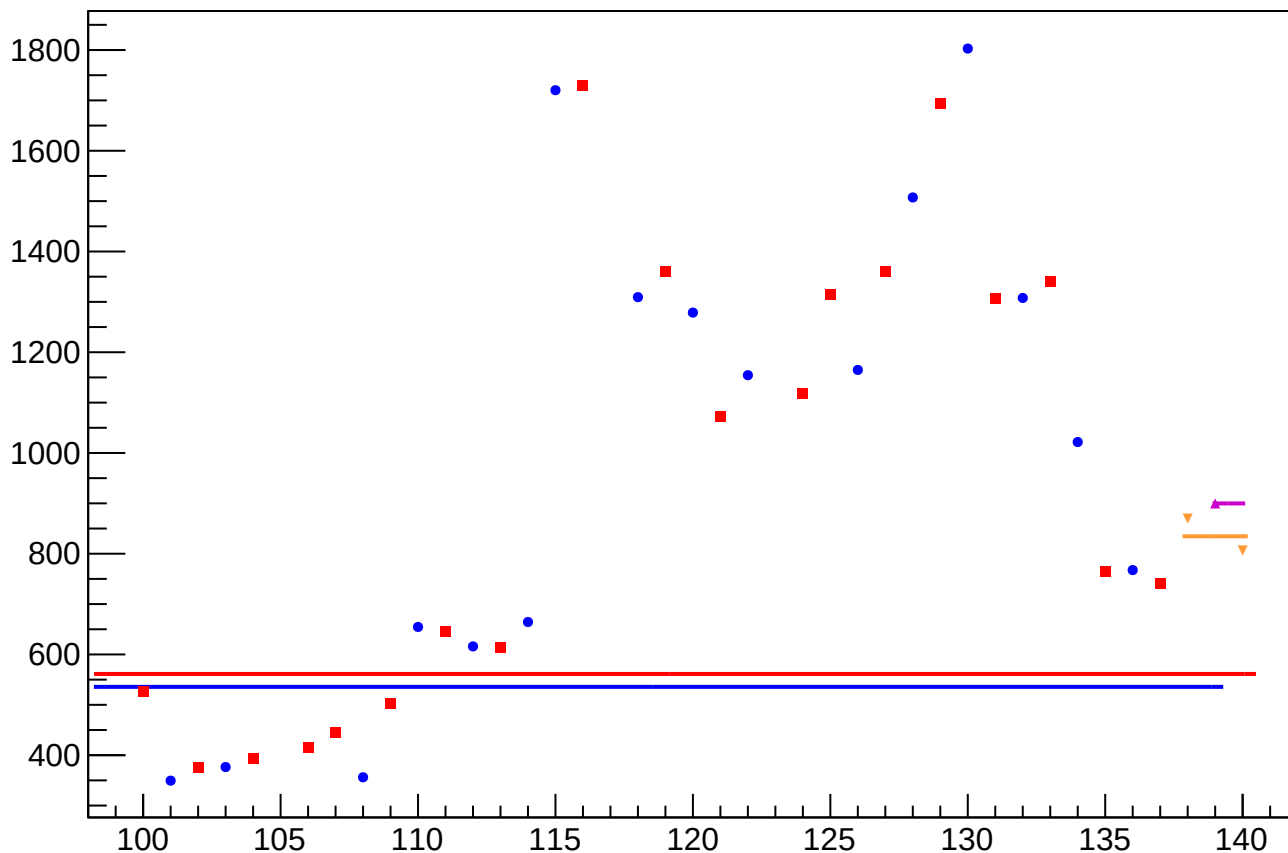
Left In: 142.838 $\pm$ 978.518 χ^2 /NDF: 0.0/0

+ sign 254.385 $\pm$ 217.624 χ^2 /NDF: 22.5/17

All: 91.465 $\pm$ 156.915 χ^2 /NDF: 39.8/37

- sign -84.955 $\pm$ 226.461 χ^2 /NDF: 16.2/19

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF : 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF : 4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF : 3130760.7/18

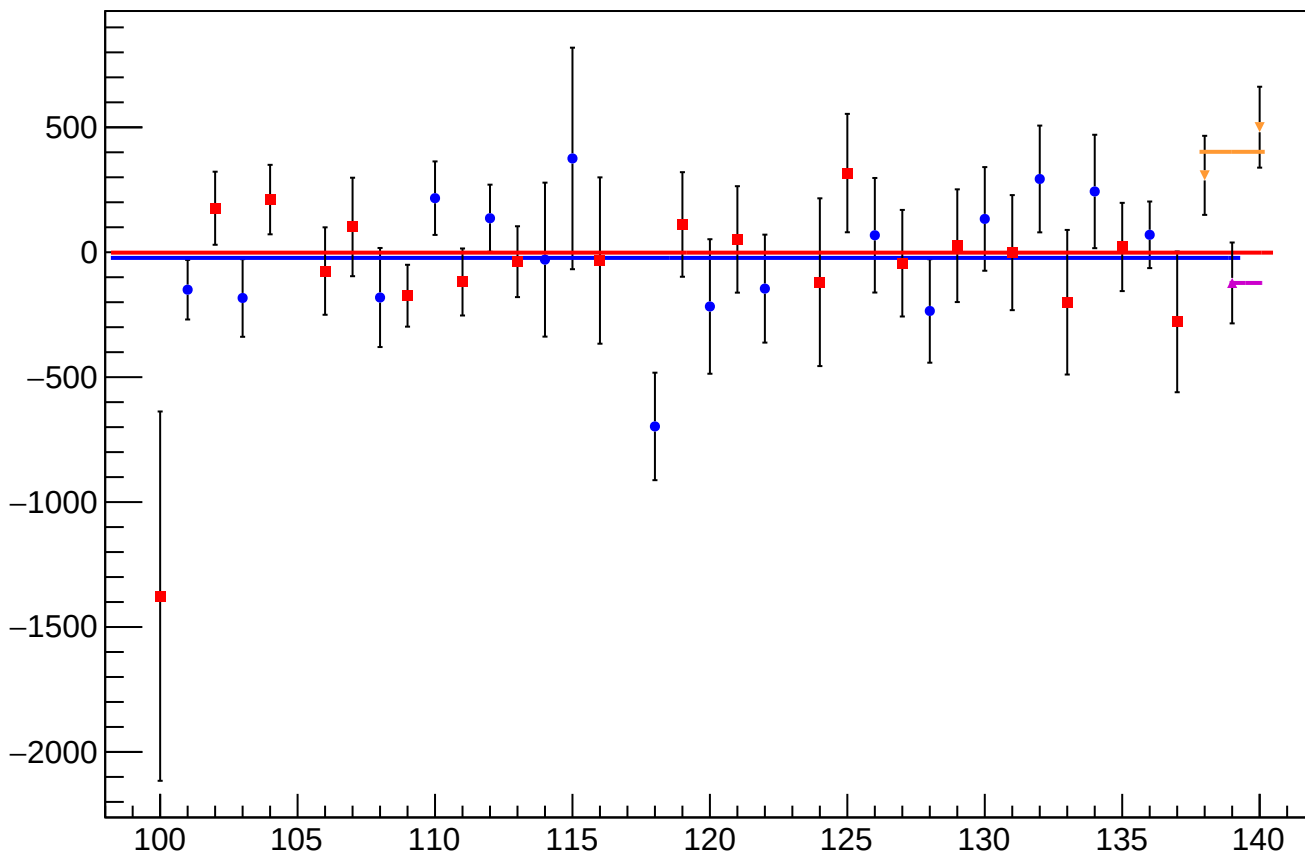
Left In: 899.800+/-0.692 χ^2/NDF : 0.0/0

+ sign 568.478+/-0.154 χ^2/NDF : 4005883.5/17

All: 573.723+/-0.111 χ^2/NDF : 7365622.2/37

- sign 579.402+/-0.160 χ^2/NDF : 3357319.6/19

dit_asym_sam6_mean vs Slug



Right In: -22.678 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 401.913 ± 113.166 χ^2/NDF : 0.7/1

Right Out: -1.600 ± 43.563 χ^2/NDF : 14.3/18

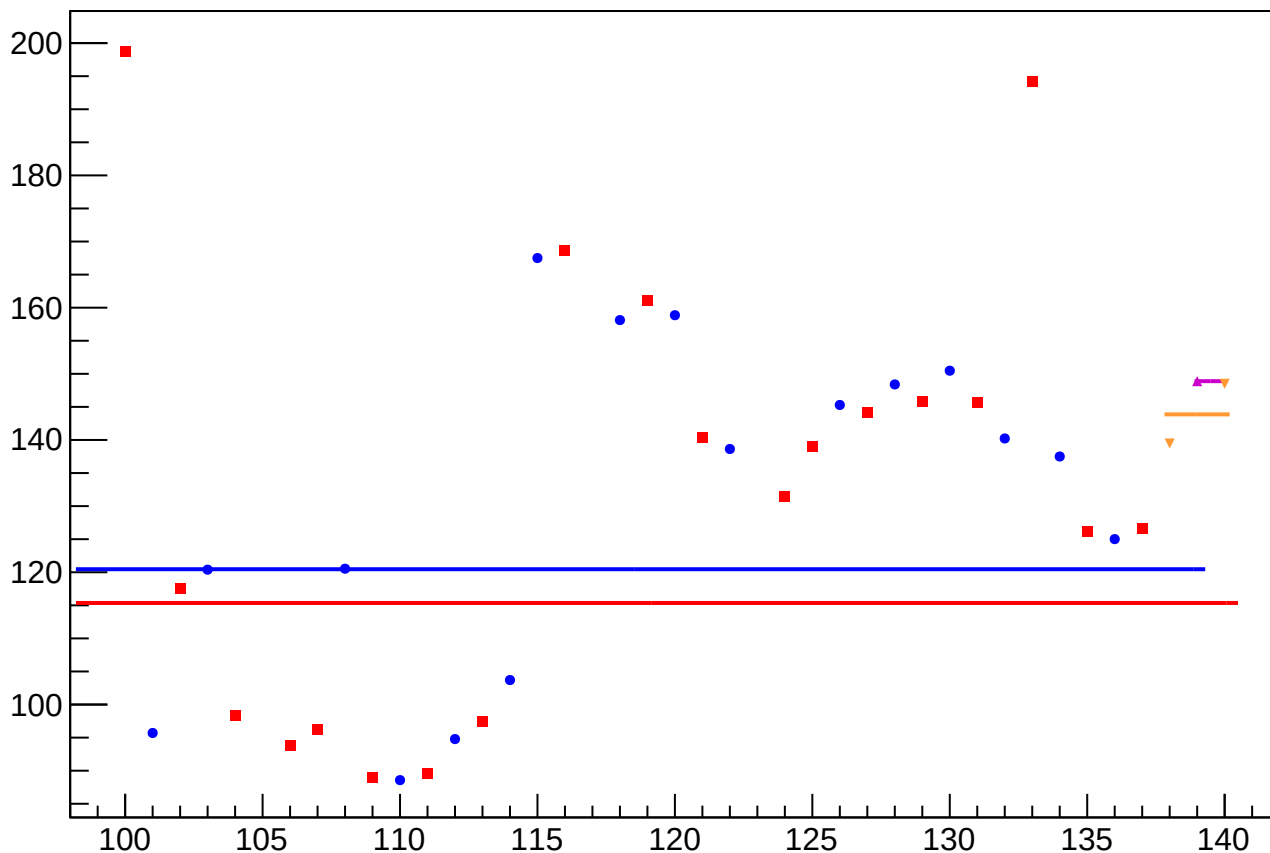
Left In: -122.889 ± 161.861 χ^2/NDF : 0.0/0

+ sign 37.323 ± 42.541 χ^2/NDF : 37.0/17

All: 13.501 ± 29.912 χ^2/NDF : 52.4/37

- sign -9.792 ± 42.066 χ^2/NDF : 14.8/19

dit_asym_sam6_rms vs Slug



Right In: 120.458 $\pm$ 0.032 χ^2 /NDF: 530331.6/15

Left Out: 143.872 $\pm$ 0.080 χ^2 /NDF: 3178.7/1

Right Out: 115.357 $\pm$ 0.031 χ^2 /NDF: 767236.0/18

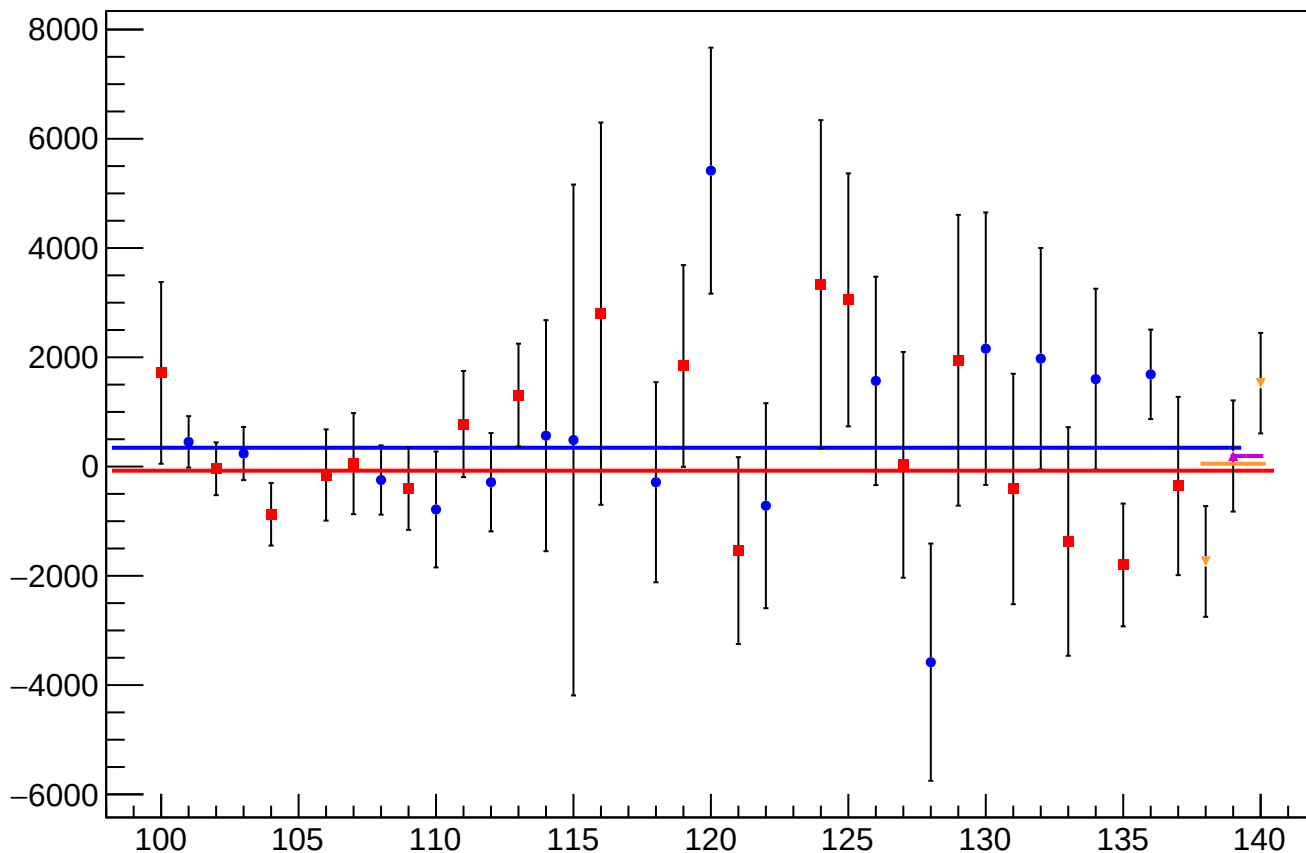
Left In: 148.891 $\pm$ 0.114 χ^2 /NDF: 0.0/0

+ sign 123.767 $\pm$ 0.030 χ^2 /NDF: 607022.9/17

All: 120.660 $\pm$ 0.021 χ^2 /NDF: 1475405.4/37

- sign 117.622 $\pm$ 0.030 χ^2 /NDF: 847282.6/19

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437 $\pm$ 241.532 χ^2/NDF : 16.2/15

Left Out: 51.463 $\pm$ 681.434 χ^2/NDF : 5.7/1

Right Out: -75.434 $\pm$ 240.479 χ^2/NDF : 15.3/18

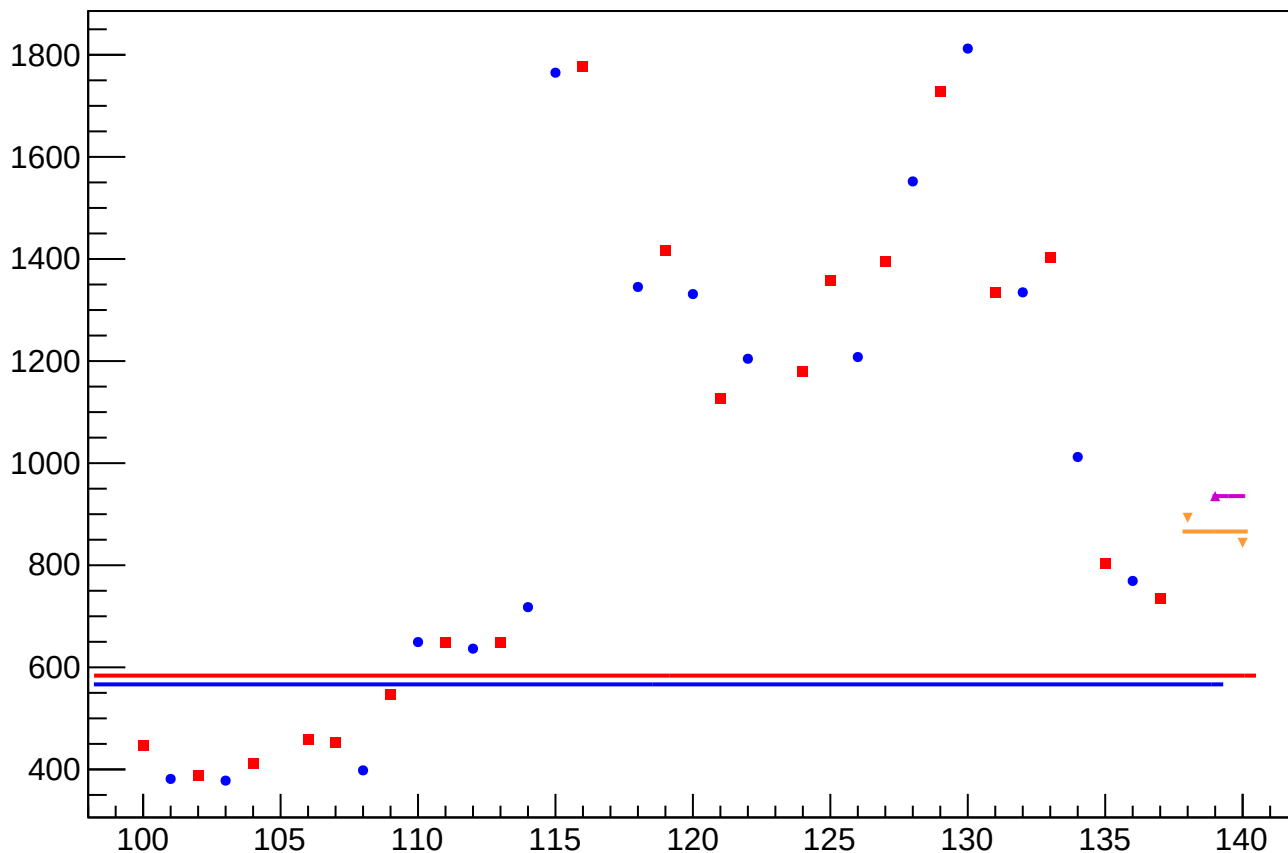
Left In: 193.455 $\pm$ 1017.397 χ^2/NDF : 0.0/0

+ sign 311.738 $\pm$ 227.654 χ^2/NDF : 22.1/17

All: 130.415 $\pm$ 163.184 χ^2/NDF : 38.7/37

- sign -61.206 $\pm$ 234.030 χ^2/NDF : 15.3/19

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF : 3432440.2/15

Left Out: 866.050+/-0.482 χ^2/NDF :2560.0/1

Right Out: 583.794+/-0.170 χ^2/NDF : 3107513.6/18

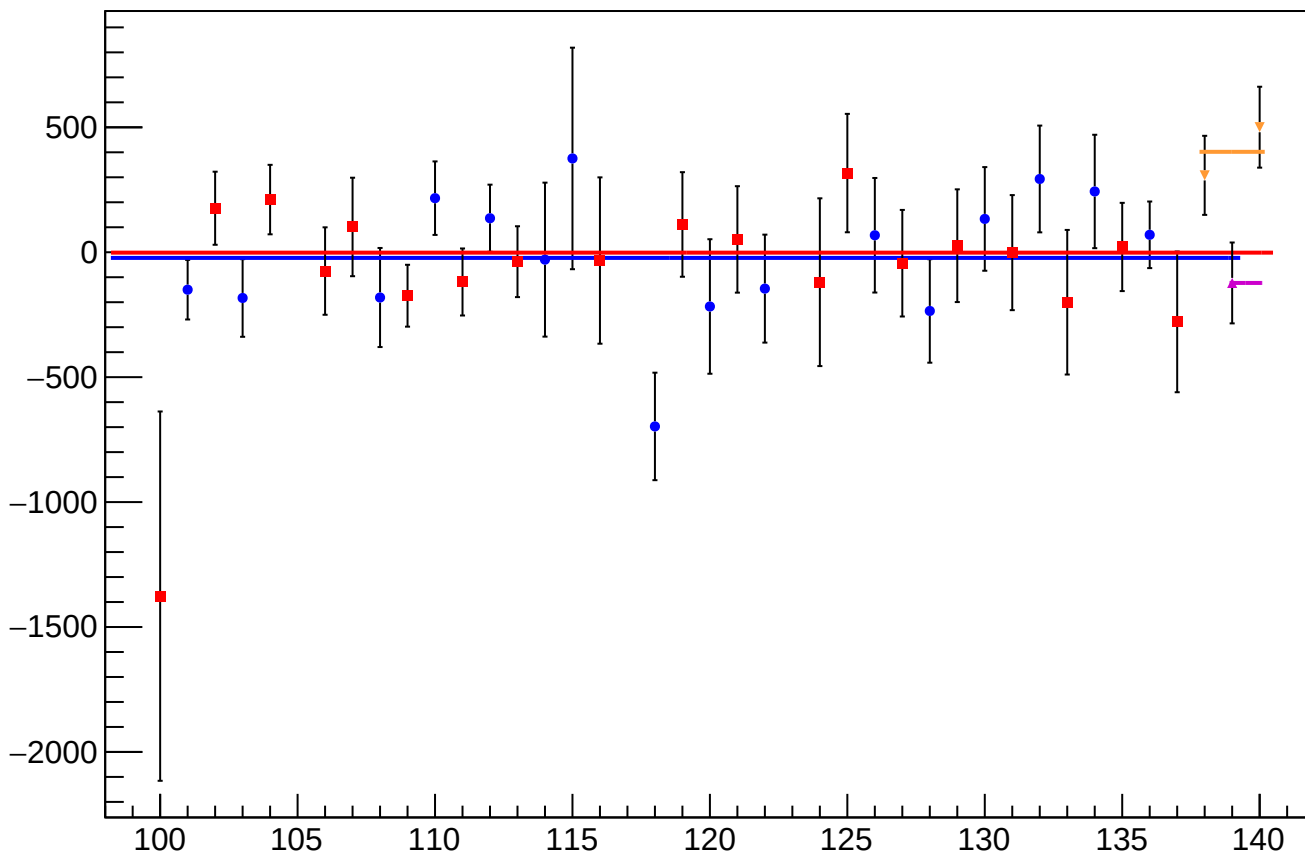
Left In: 935.460+/-0.719 χ^2/NDF :0.0/0

+ sign 600.025+/-0.161 χ^2/NDF : 3778104.1/17

All: 601.180+/-0.115 χ^2/NDF : 7112031.4/37

- sign 602.402+/-0.165 χ^2/NDF : 3333821.2/19

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 401.914 ± 113.166 χ^2/NDF : 0.7/1

Right Out: -1.601 ± 43.563 χ^2/NDF : 14.3/18

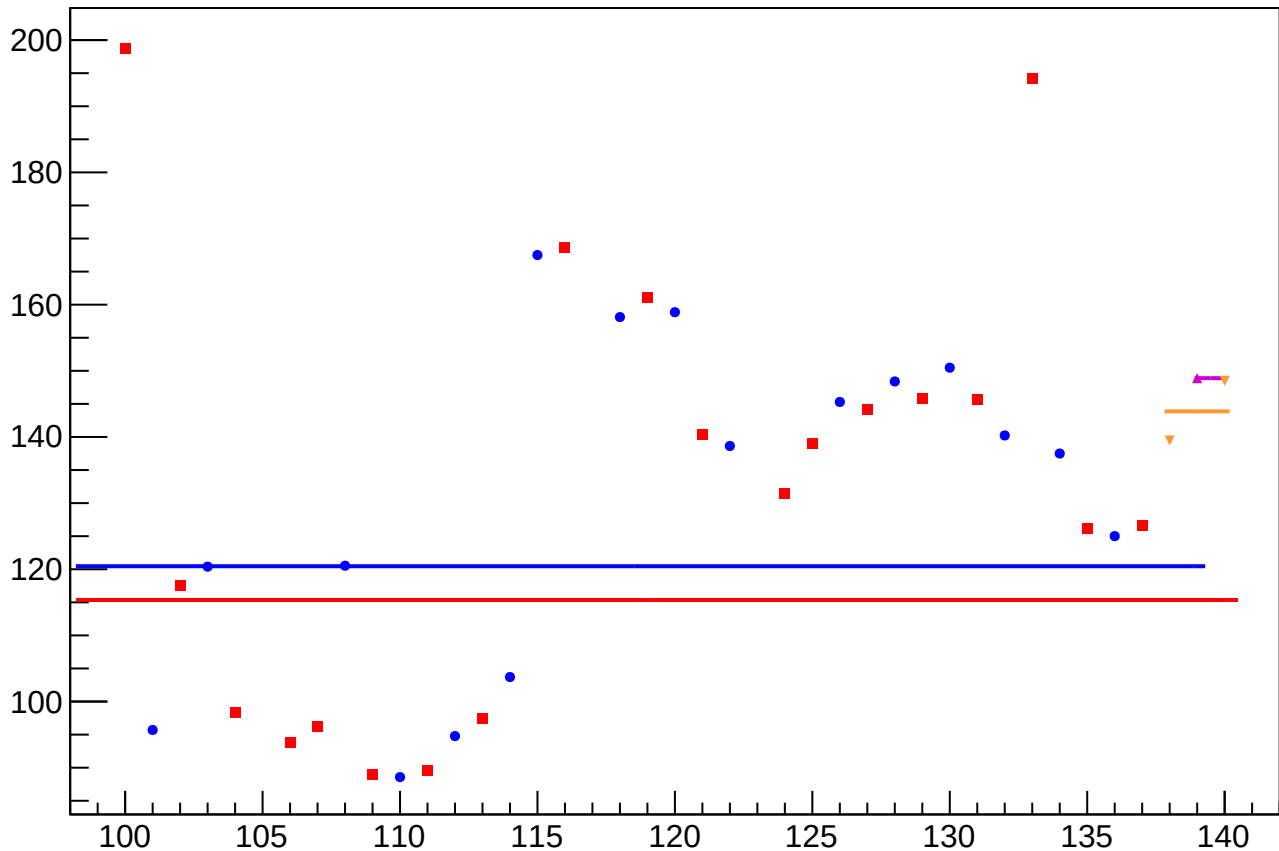
Left In: -122.887 ± 161.861 χ^2/NDF : 0.0/0

+ sign 37.321 ± 42.541 χ^2/NDF : 37.0/17

All: 13.500 ± 29.912 χ^2/NDF : 52.4/37

- sign -9.793 ± 42.066 χ^2/NDF : 14.8/19

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF : 530335.0/15

Left Out: 143.871+/-0.080 χ^2/NDF : 3178.4/1

Right Out: 115.357+/-0.031 χ^2/NDF : 767234.8/18

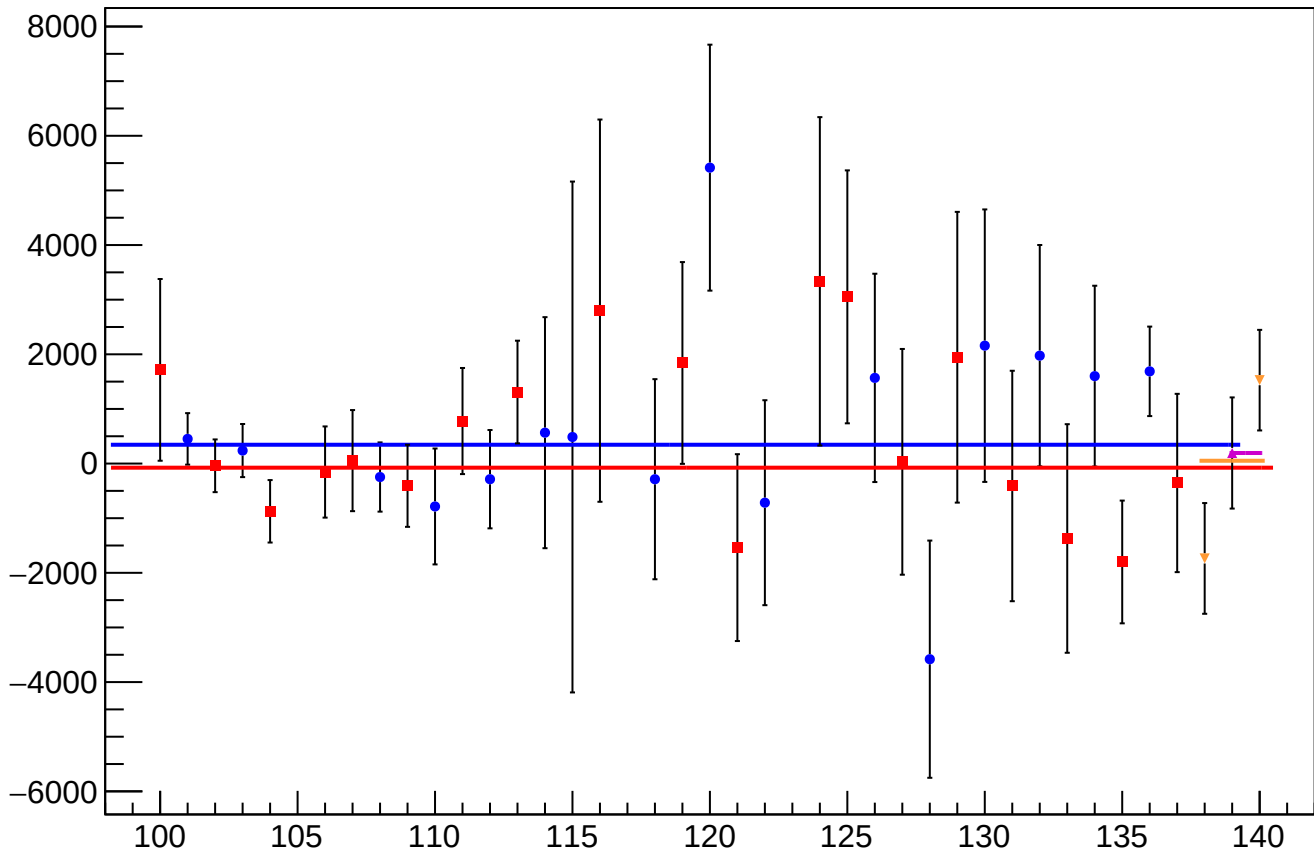
Left In: 148.891+/-0.114 χ^2/NDF : 0.0/0

+ sign 123.767+/-0.030 χ^2/NDF : 607026.7/17

All: 120.660+/-0.021 χ^2/NDF : 1475408.4/37

- sign 117.622+/-0.030 χ^2/NDF : 847282.2/19

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436 ± 241.531 χ^2/NDF : 16.2/15

Left Out: 51.468 ± 681.433 χ^2/NDF : 5.7/1

Right Out: -75.435 ± 240.479 χ^2/NDF : 15.3/18

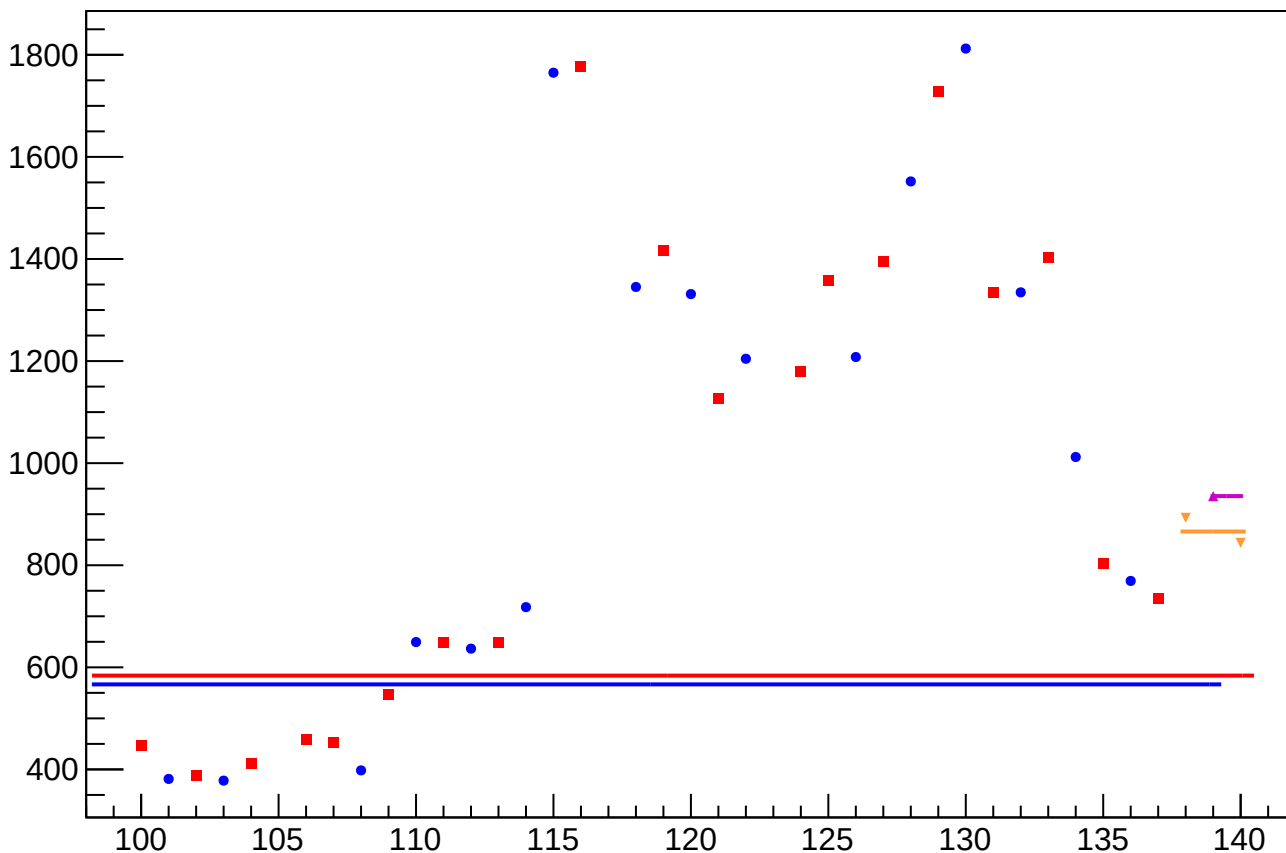
Left In: 193.457 ± 1017.398 χ^2/NDF : 0.0/0

+ sign 311.738 ± 227.654 χ^2/NDF : 22.1/17

All: 130.415 ± 163.183 χ^2/NDF : 38.7/37

- sign -61.207 ± 234.030 χ^2/NDF : 15.3/19

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF : 3432444.7/15

Left Out: 866.049+/-0.482 χ^2/NDF : 2560.2/1

Right Out: 583.794+/-0.170 χ^2/NDF : 3107513.8/18

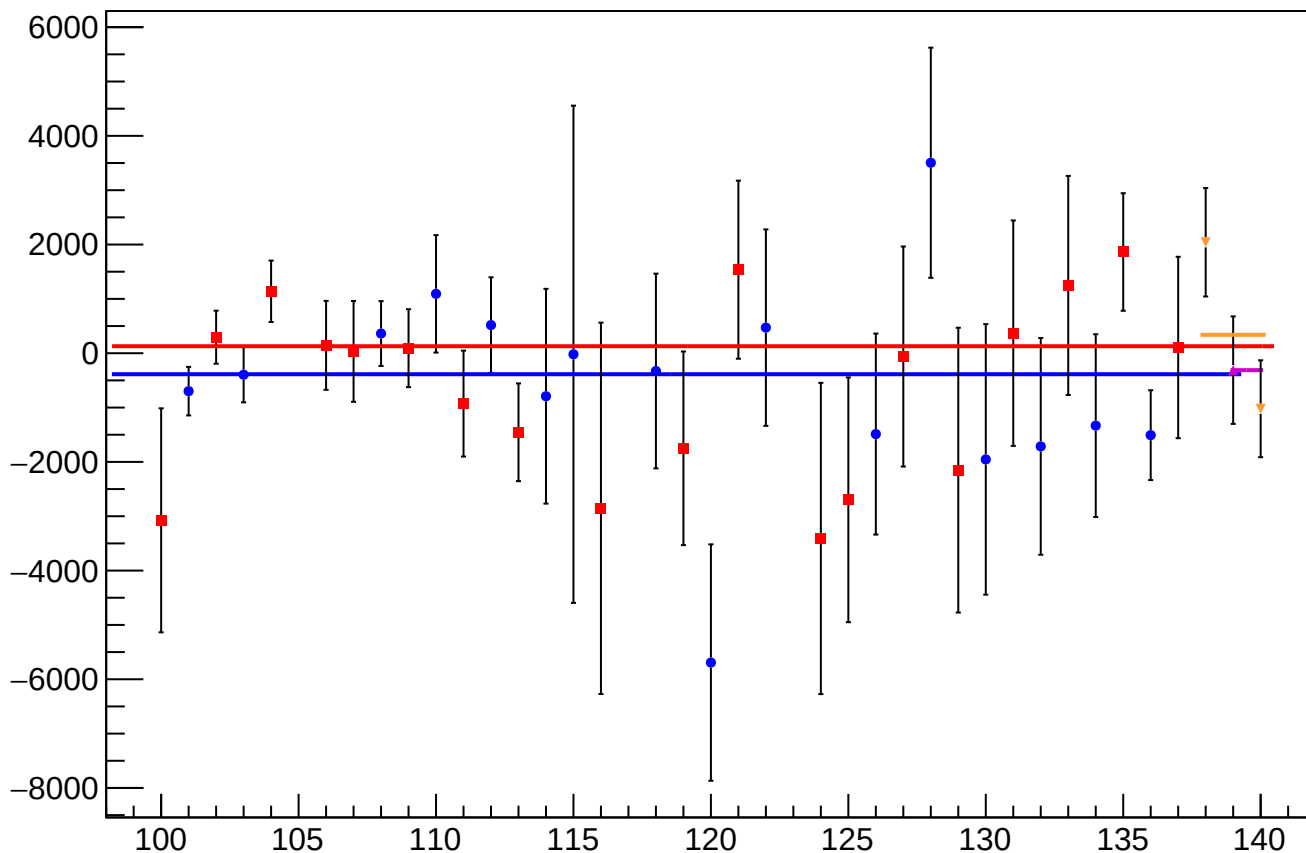
Left In: 935.460+/-0.719 χ^2/NDF : 0.0/0

+ sign 600.024+/-0.161 χ^2/NDF : 3778109.1/17

All: 601.180+/-0.115 χ^2/NDF : 7112037.4/37

- sign 602.401+/-0.165 χ^2/NDF : 3333822.2/19

asym_sam6_mean vs Slug



Right In: -386.522 ± 237.525 χ^2/NDF : 17.9/15

Left Out: 338.502 ± 664.963 χ^2/NDF : 5.2/1

Right Out: 128.583 ± 238.241 χ^2/NDF : 19.4/18

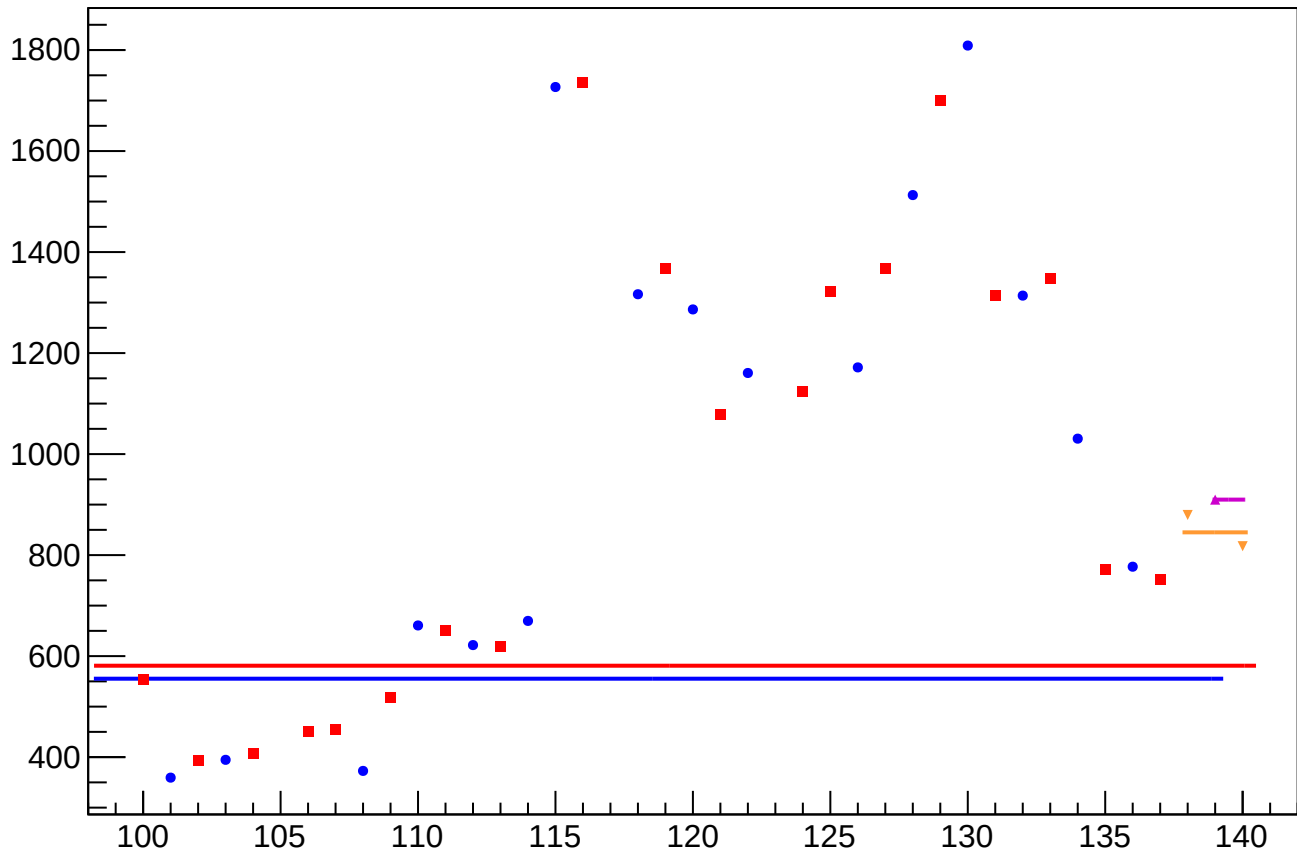
Left In: -311.584 ± 989.443 χ^2/NDF : 0.0/0

+ sign -304.483 ± 223.683 χ^2/NDF : 24.2/17

All: -107.138 ± 160.901 χ^2/NDF : 45.4/37

- sign 104.462 ± 231.621 χ^2/NDF : 19.6/19

asym_sam6_rms vs Slug



Right In: 555.292 $\pm$ 0.168 χ^2 /NDF: 3482531.0/15

Left Out: 845.052 $\pm$ 0.470 χ^2 /NDF: 4270.0/1

Right Out: 580.996 $\pm$ 0.168 χ^2 /NDF: 2983560.8/18

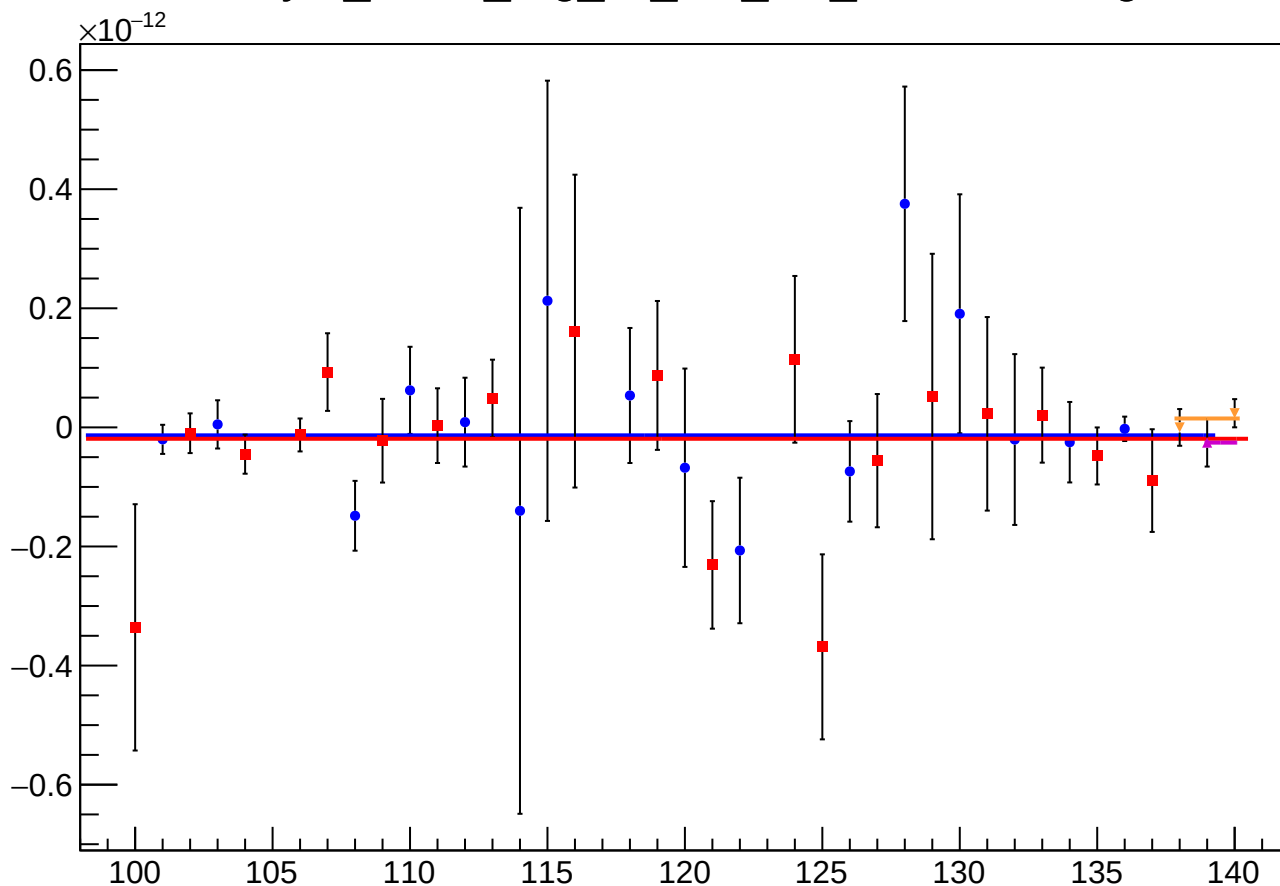
Left In: 909.872 $\pm$ 0.700 χ^2 /NDF: 0.0/0

+ sign 588.080 $\pm$ 0.158 χ^2 /NDF: 3823592.7/17

All: 593.358 $\pm$ 0.114 χ^2 /NDF: 7018312.9/37

- sign 599.018 $\pm$ 0.164 χ^2 /NDF: 3192412.2/19

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.4/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

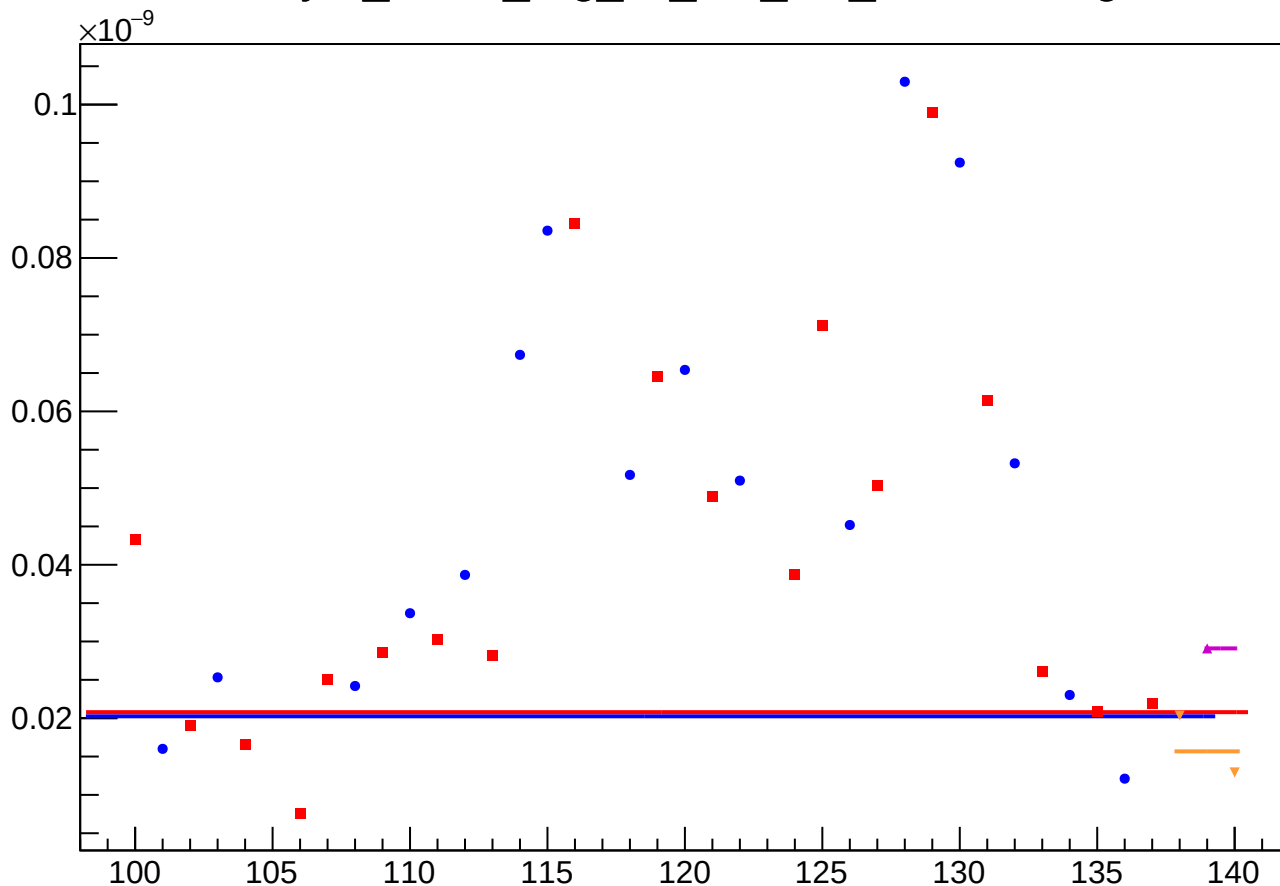
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 17.8/17

All: -0.000 ± 0.000 χ^2/NDF : 38.6/37

- sign -0.000 ± 0.000 χ^2/NDF : 19.9/19

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 72751.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1855885.9/18

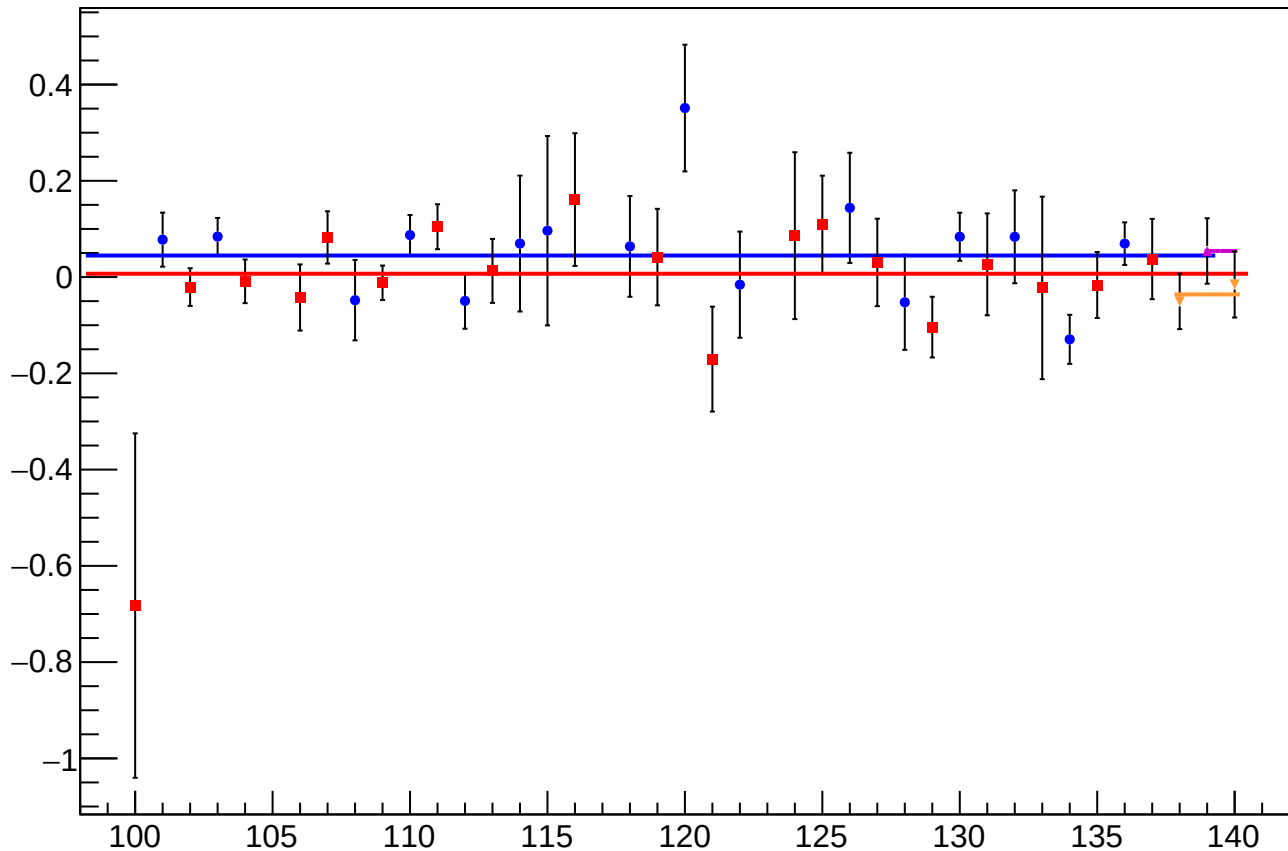
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2157723.4/17

All: 0.000+/-0.000 χ^2/NDF : 4148683.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1932266.0/19

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 χ^2/NDF : 26.6/15

Left Out: -0.036 ± 0.044 χ^2/NDF : 0.2/1

Right Out: 0.007 ± 0.015 χ^2/NDF : 20.2/18

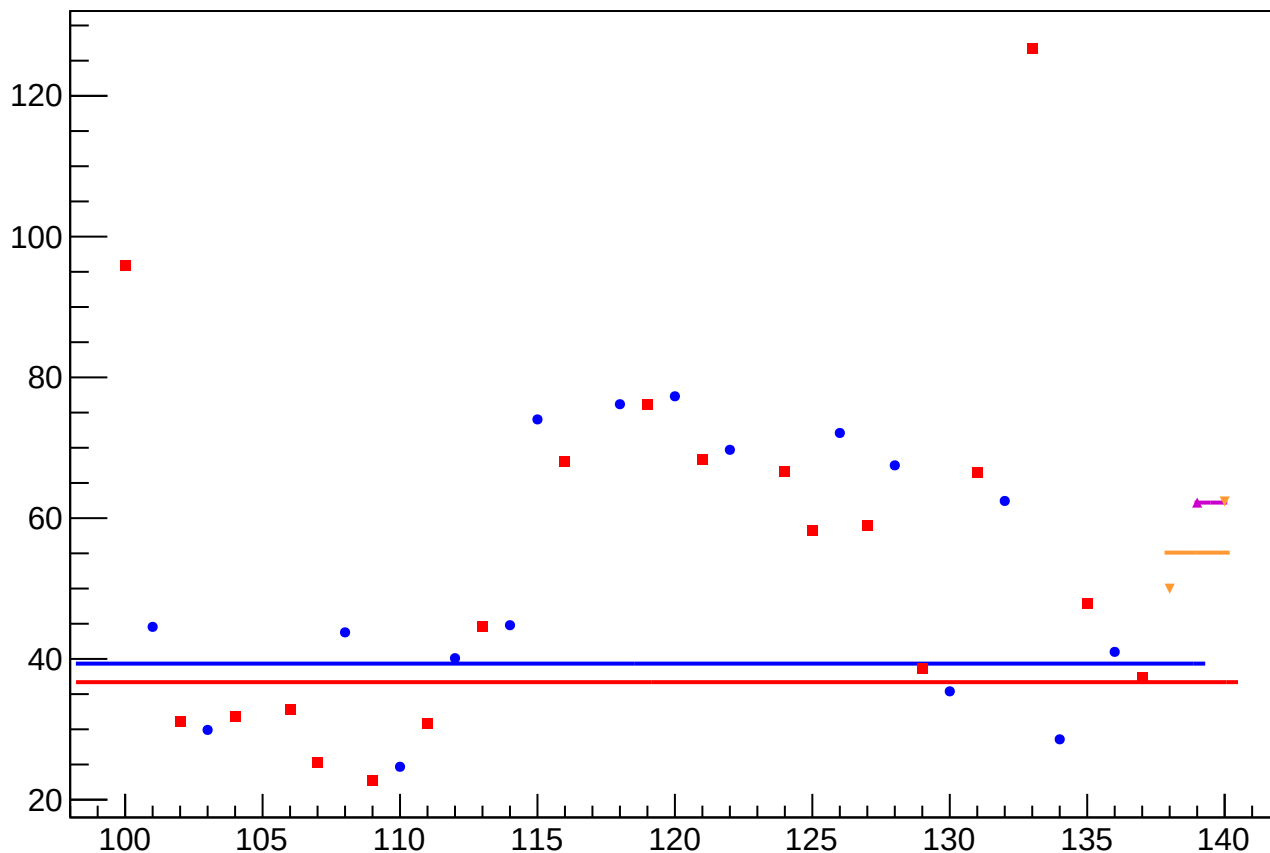
Left In: 0.054 ± 0.068 χ^2/NDF : 0.0/0

+ sign 0.035 ± 0.015 χ^2/NDF : 29.7/17

All: 0.022 ± 0.011 χ^2/NDF : 51.9/37

- sign 0.009 ± 0.015 χ^2/NDF : 20.6/19

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335 $\pm$ 0.011 χ^2 /NDF: 1566525.1/15

Left Out: 55.105 $\pm$ 0.031 χ^2 /NDF:38191.9/1

Right Out: 36.700 $\pm$ 0.011 χ^2 /NDF: 2096756.0/18

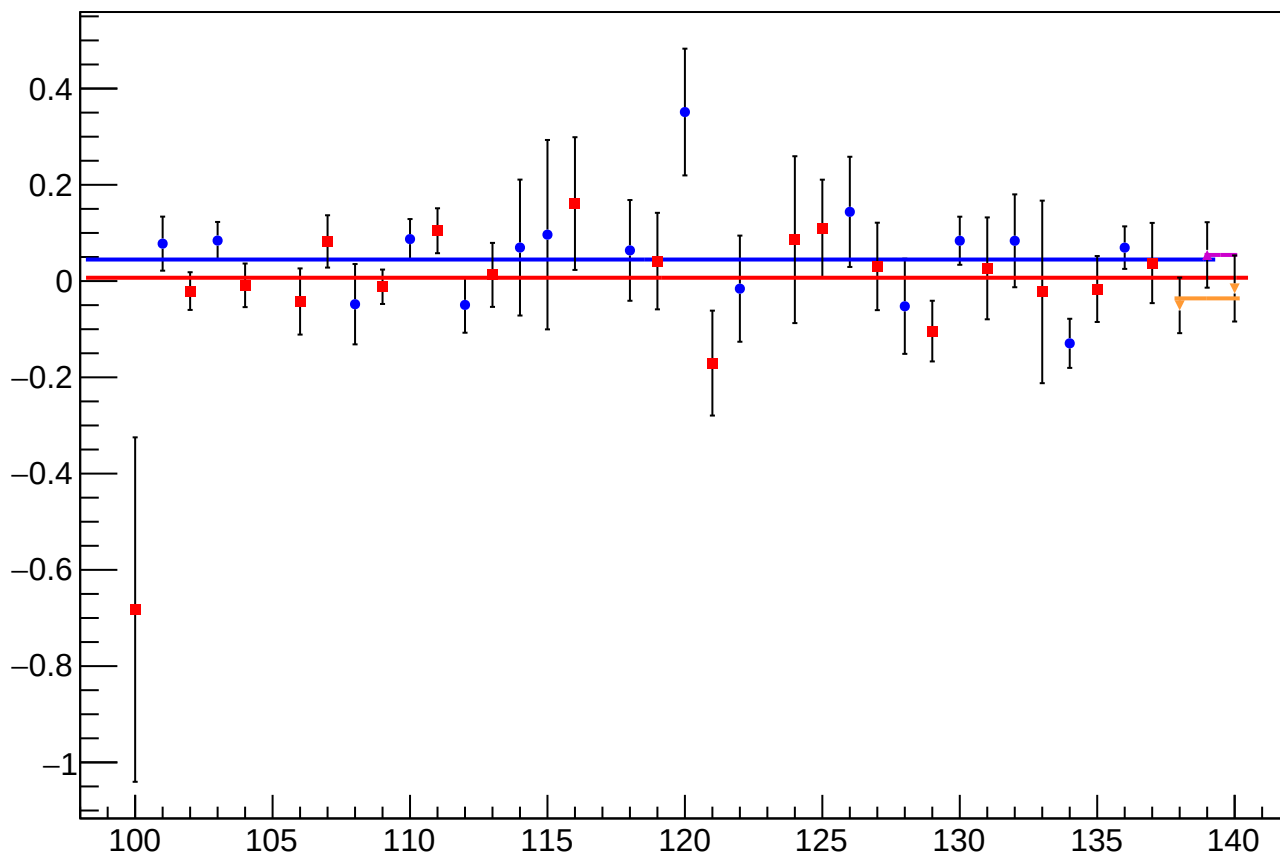
Left In: 62.213 $\pm$ 0.048 χ^2 /NDF:0.0/0

+ sign 41.167 $\pm$ 0.011 χ^2 /NDF: 1829907.4/17

All: 39.499 $\pm$ 0.007 χ^2 /NDF: 4242814.3/37

- sign 37.899 $\pm$ 0.010 χ^2 /NDF: 2364852.3/19

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 χ^2/NDF : 26.6/15

Left Out: -0.036 ± 0.044 χ^2/NDF : 0.2/1

Right Out: 0.007 ± 0.015 χ^2/NDF : 20.2/18

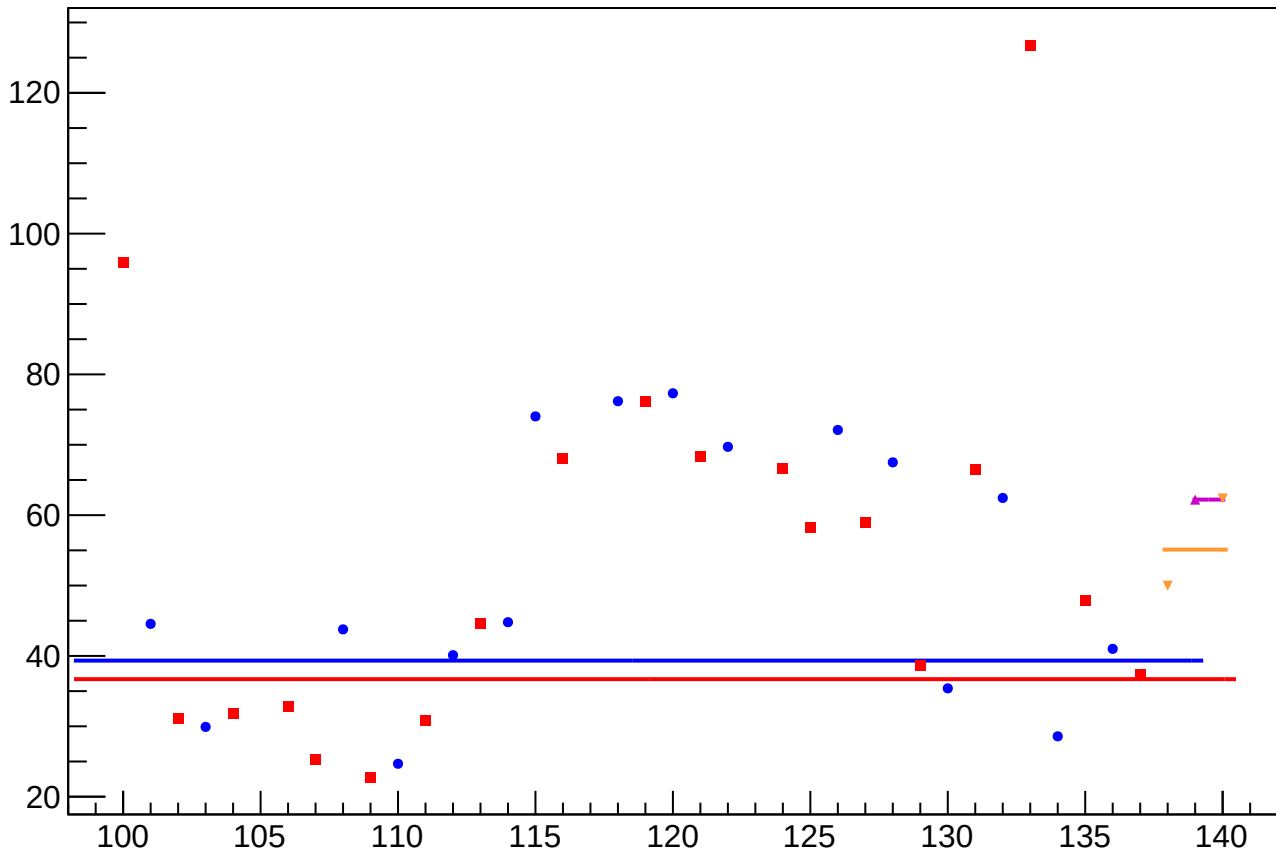
Left In: 0.054 ± 0.068 χ^2/NDF : 0.0/0

+ sign 0.035 ± 0.015 χ^2/NDF : 29.7/17

All: 0.022 ± 0.011 χ^2/NDF : 51.9/37

- sign 0.009 ± 0.015 χ^2/NDF : 20.6/19

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335 $\pm$ 0.011 χ^2 /NDF: 1566525.1/15

Left Out: 55.105 $\pm$ 0.031 χ^2 /NDF: 38191.9/1

Right Out: 36.700 $\pm$ 0.011 χ^2 /NDF: 2096756.0/18

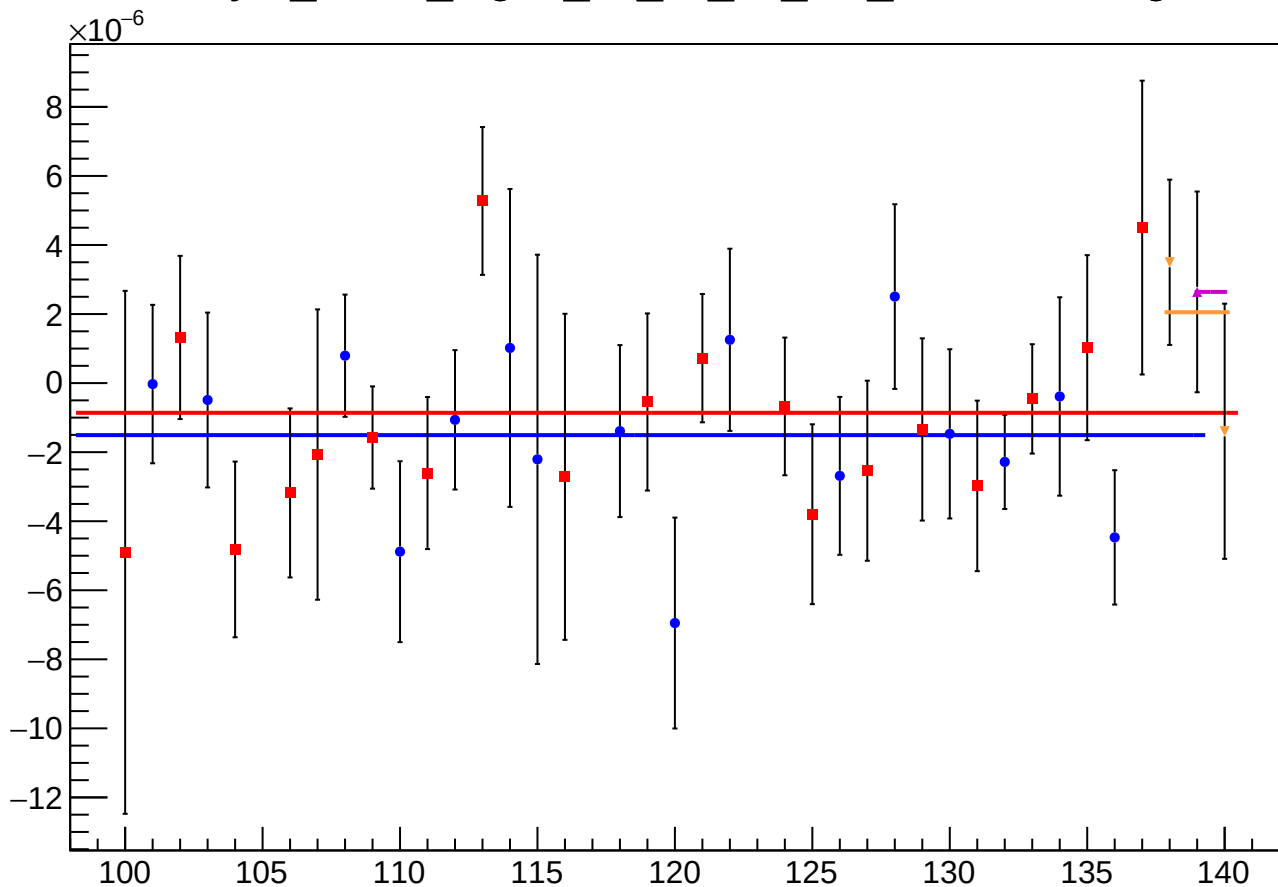
Left In: 62.213 $\pm$ 0.048 χ^2 /NDF: 0.0/0

+ sign 41.167 $\pm$ 0.011 χ^2 /NDF: 1829907.4/17

All: 39.499 $\pm$ 0.007 χ^2 /NDF: 4242814.3/37

- sign 37.899 $\pm$ 0.010 χ^2 /NDF: 2364852.3/19

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.2/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.1/18

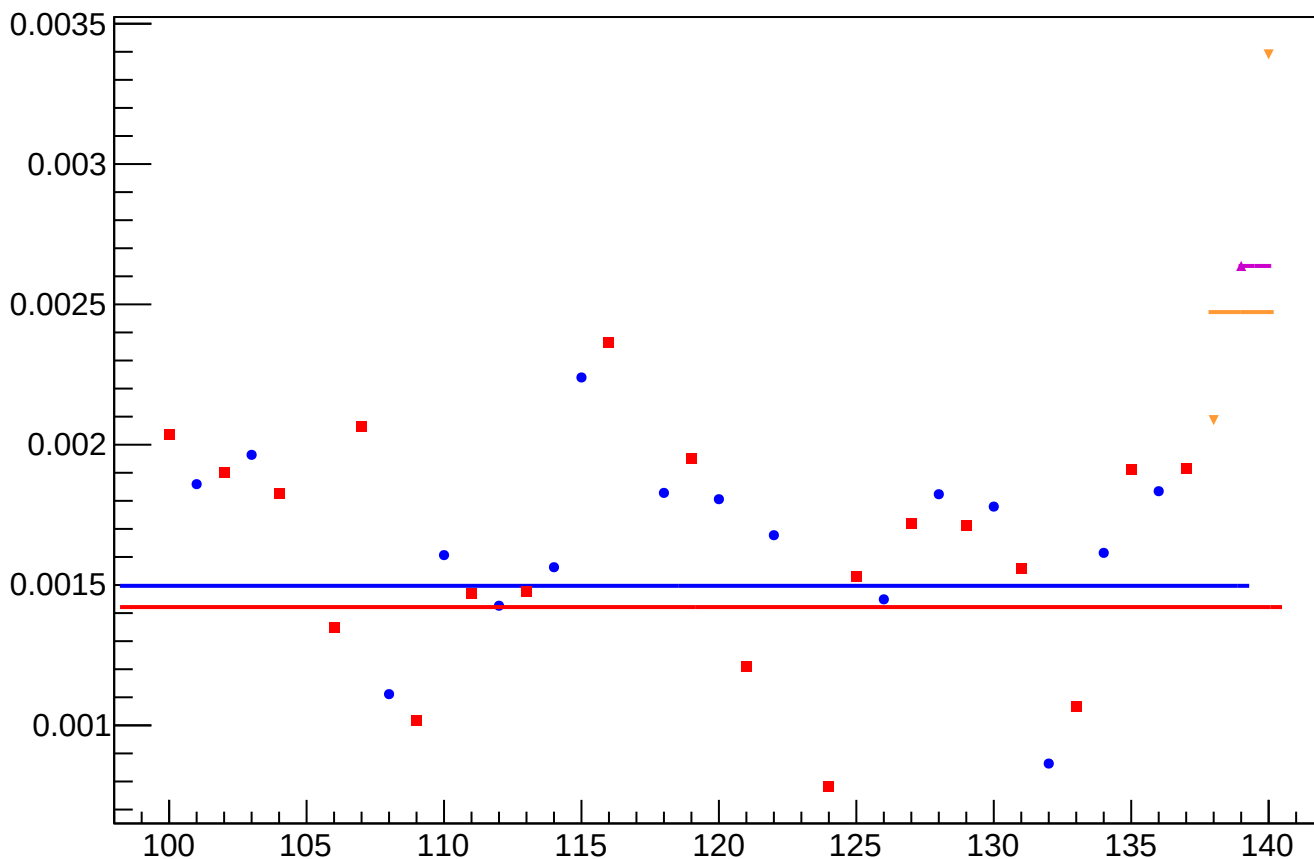
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 18.0/17

All: -0.000 ± 0.000 χ^2/NDF : 38.9/37

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

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF :175253.1/1

Right Out: 0.001+/-0.000 χ^2/NDF : 998047.4/18

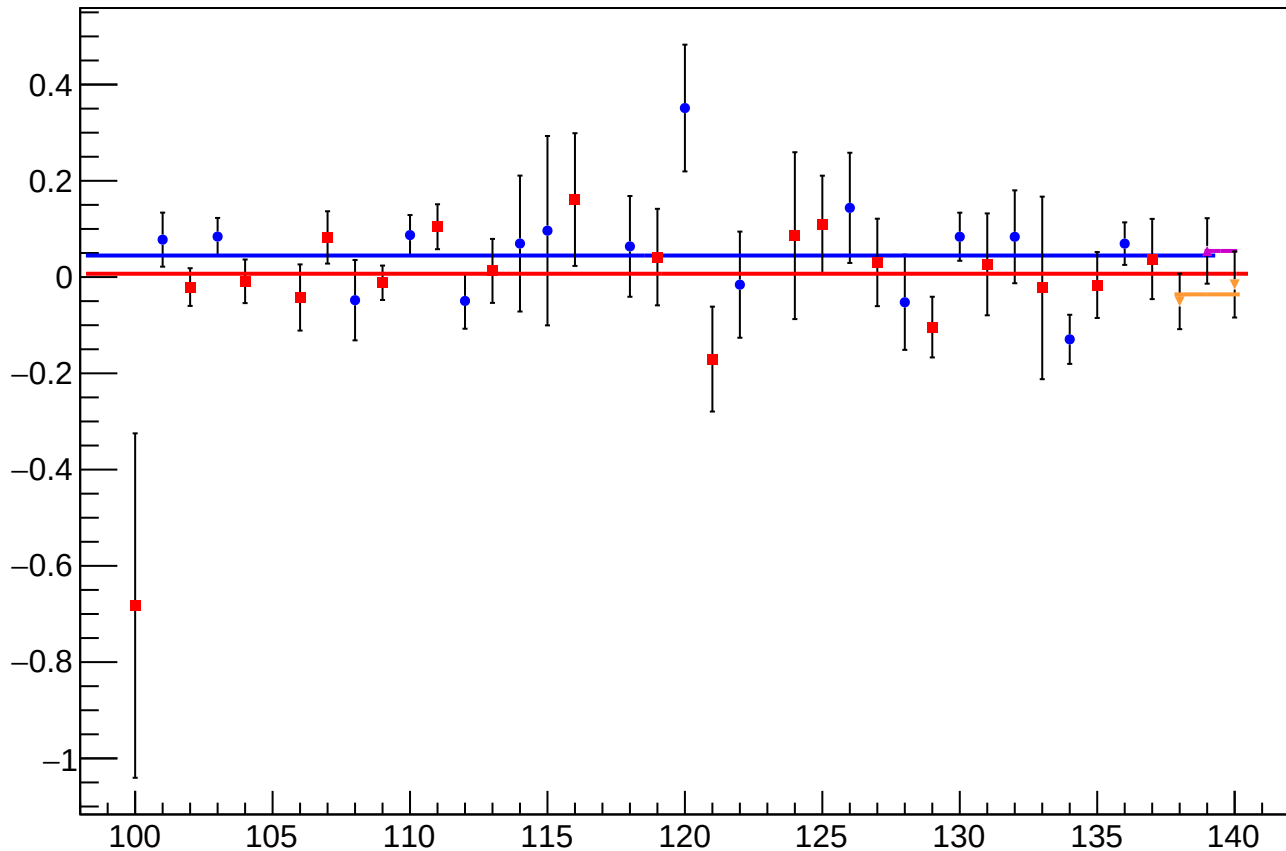
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 1477824.2/17

All: 0.002+/-0.000 χ^2/NDF : 2854269.0/37

- sign 0.001+/-0.000 χ^2/NDF : 1335895.2/19

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: -0.036 $\pm$ 0.044 χ^2 /NDF: 0.2/1

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

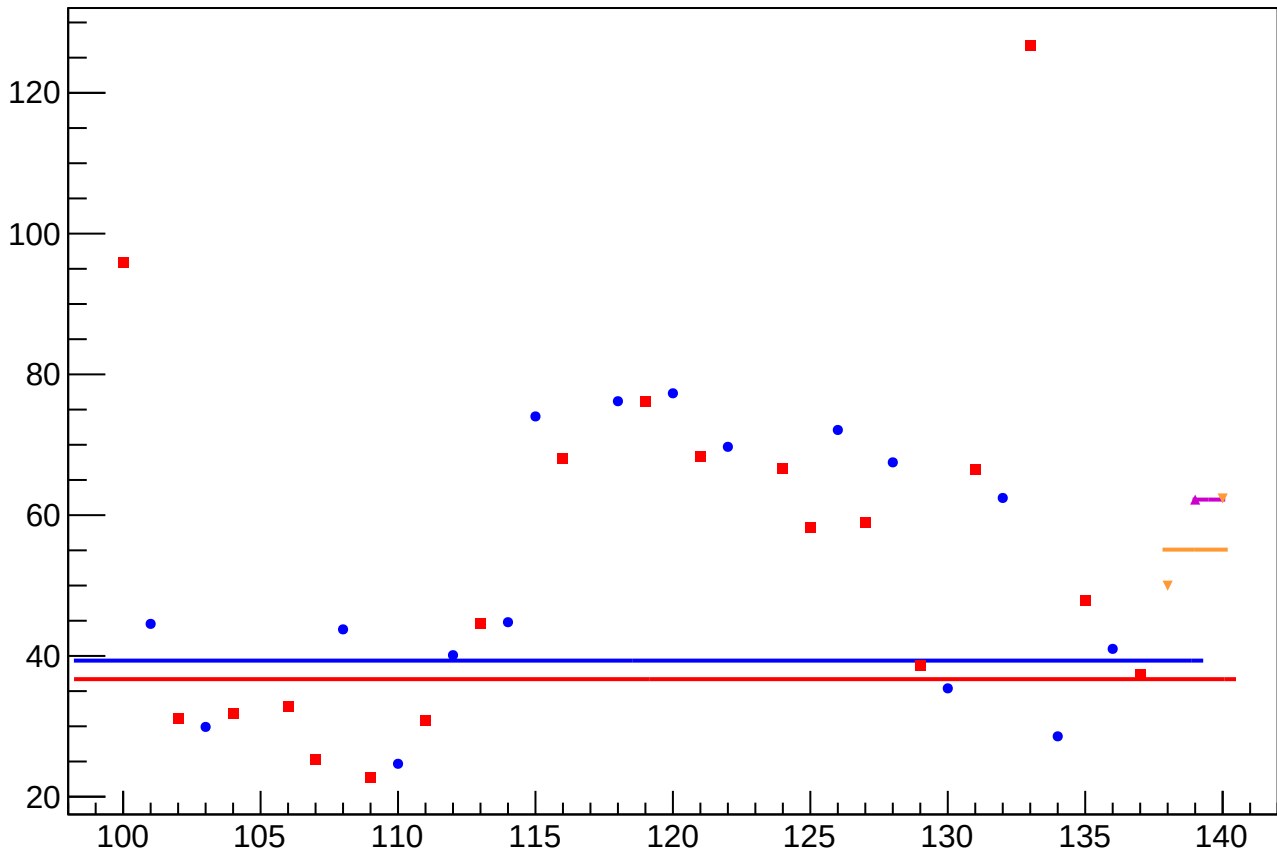
Left In: 0.054 $\pm$ 0.068 χ^2 /NDF: 0.0/0

+ sign 0.035 $\pm$ 0.015 χ^2 /NDF: 29.7/17

All: 0.022 $\pm$ 0.011 χ^2 /NDF: 51.9/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 20.6/19

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2 /NDF: 1566545.4/15

Left Out: 55.104+/-0.031 χ^2 /NDF:38186.7/1

Right Out: 36.699+/-0.011 χ^2 /NDF: 2096748.4/18

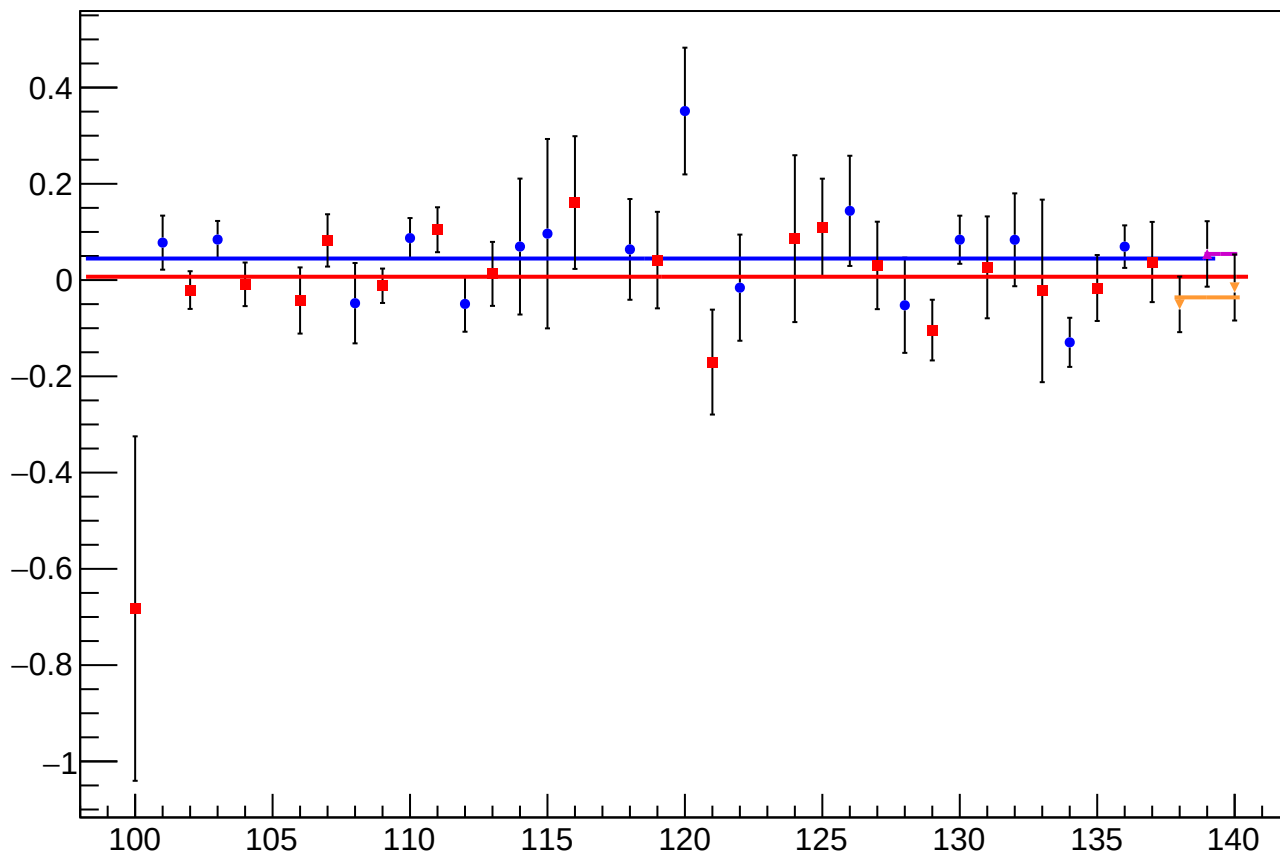
Left In: 62.212+/-0.048 χ^2 /NDF:0.0/0

+ sign 41.167+/-0.011 χ^2 /NDF: 1829929.6/17

All: 39.499+/-0.007 χ^2 /NDF: 4242826.1/37

- sign 37.899+/-0.010 χ^2 /NDF: 2364849.0/19

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: -0.036 $\pm$ 0.044 χ^2 /NDF: 0.2/1

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

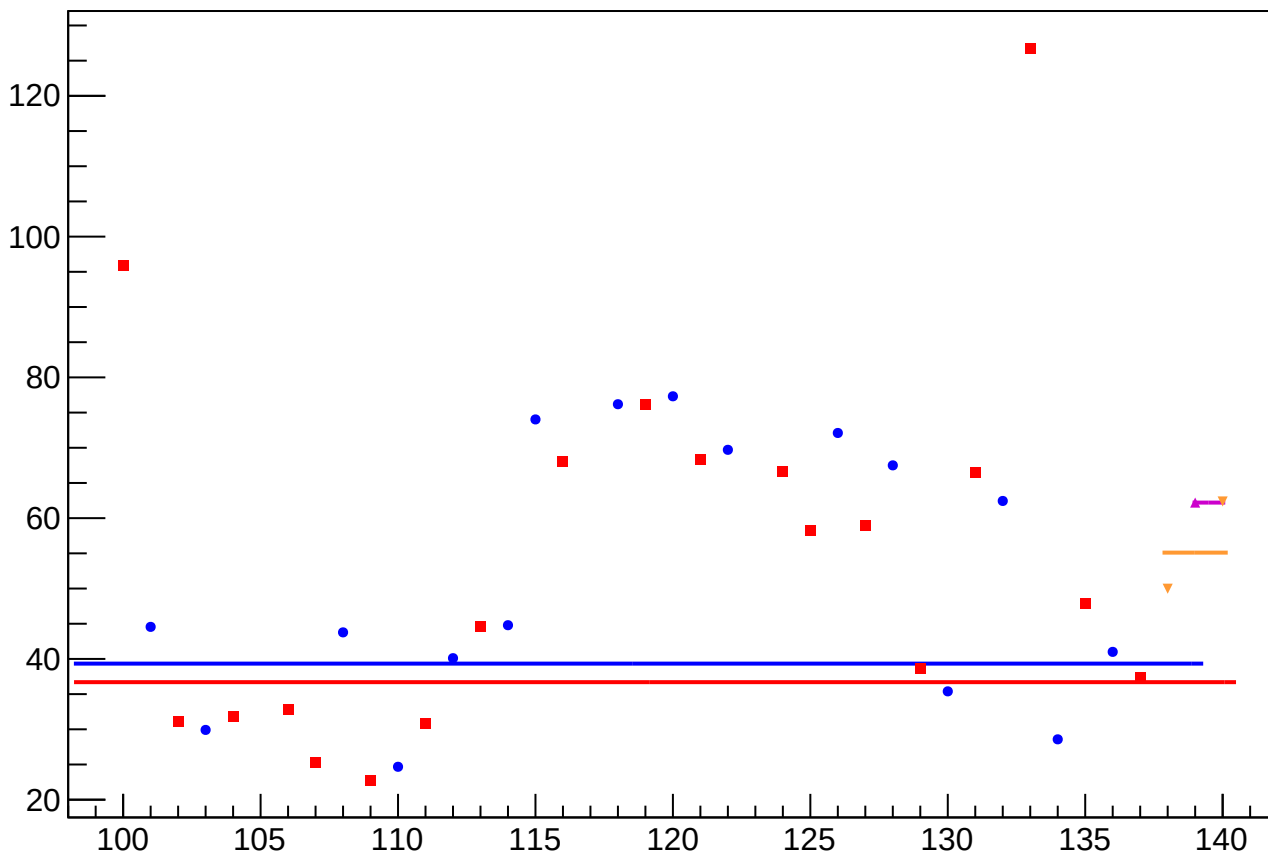
Left In: 0.054 $\pm$ 0.068 χ^2 /NDF: 0.0/0

+ sign 0.035 $\pm$ 0.015 χ^2 /NDF: 29.7/17

All: 0.022 $\pm$ 0.011 χ^2 /NDF: 51.9/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 20.6/19

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.334 $\pm$ 0.011 χ^2 /NDF: 1566545.4/15

Left Out: 55.104 $\pm$ 0.031 χ^2 /NDF: 38186.7/1

Right Out: 36.699 $\pm$ 0.011 χ^2 /NDF: 2096748.4/18

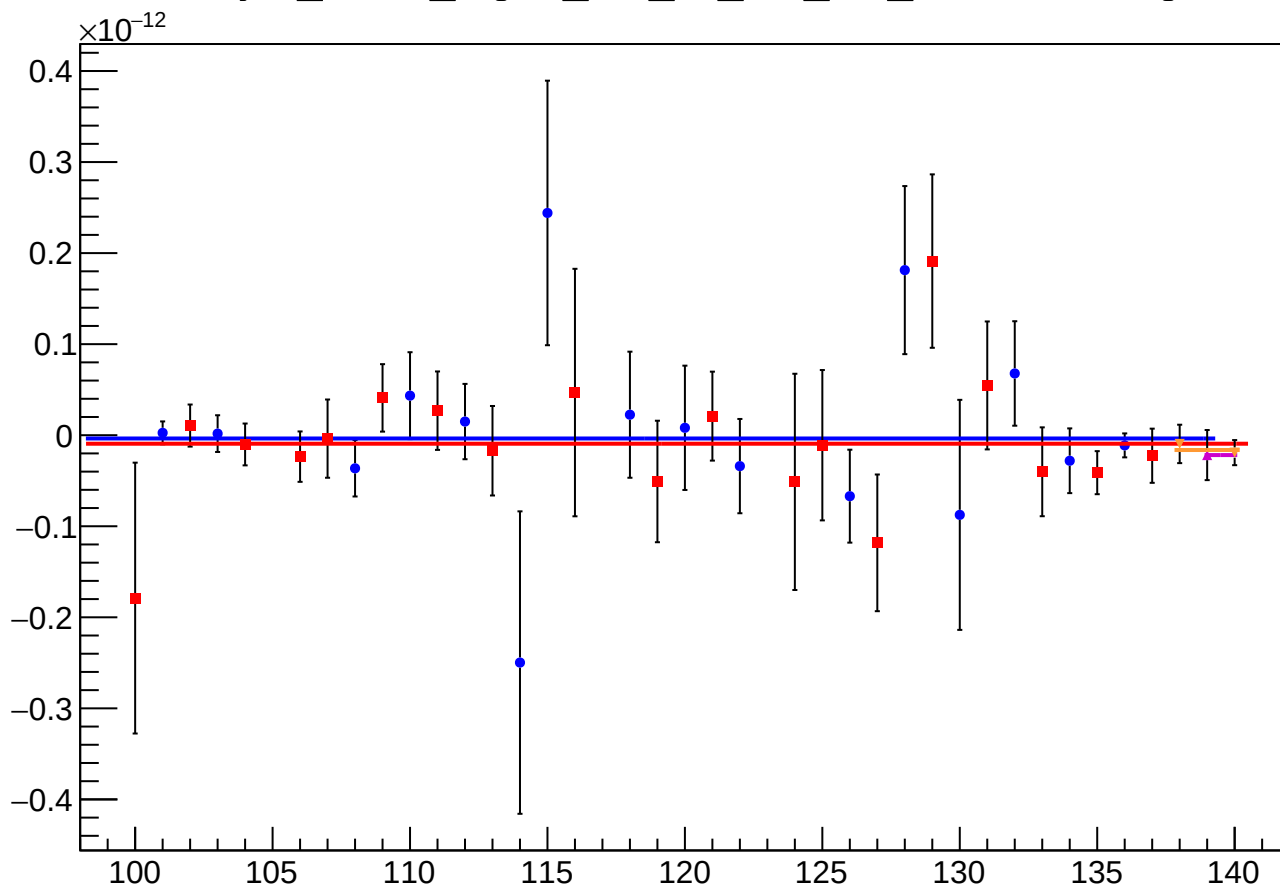
Left In: 62.212 $\pm$ 0.048 χ^2 /NDF: 0.0/0

+ sign 41.167 $\pm$ 0.011 χ^2 /NDF: 1829929.6/17

All: 39.499 $\pm$ 0.007 χ^2 /NDF: 4242826.1/37

- sign 37.899 $\pm$ 0.010 χ^2 /NDF: 2364849.0/19

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 15.7/18

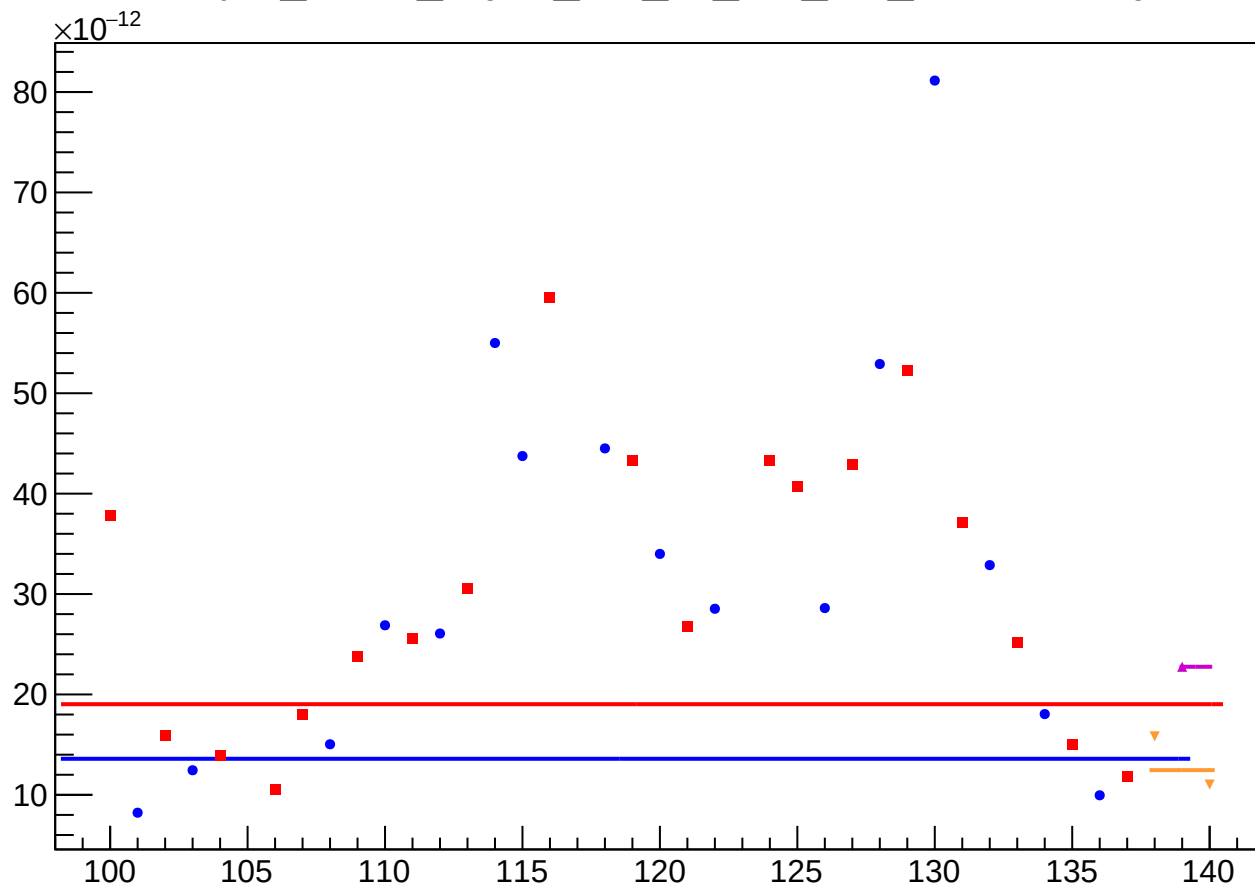
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 17.6/17

All: -0.000+/-0.000 χ^2 /NDF: 33.6/37

- sign -0.000+/-0.000 χ^2 /NDF: 15.9/19

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 72575.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2049385.6/18

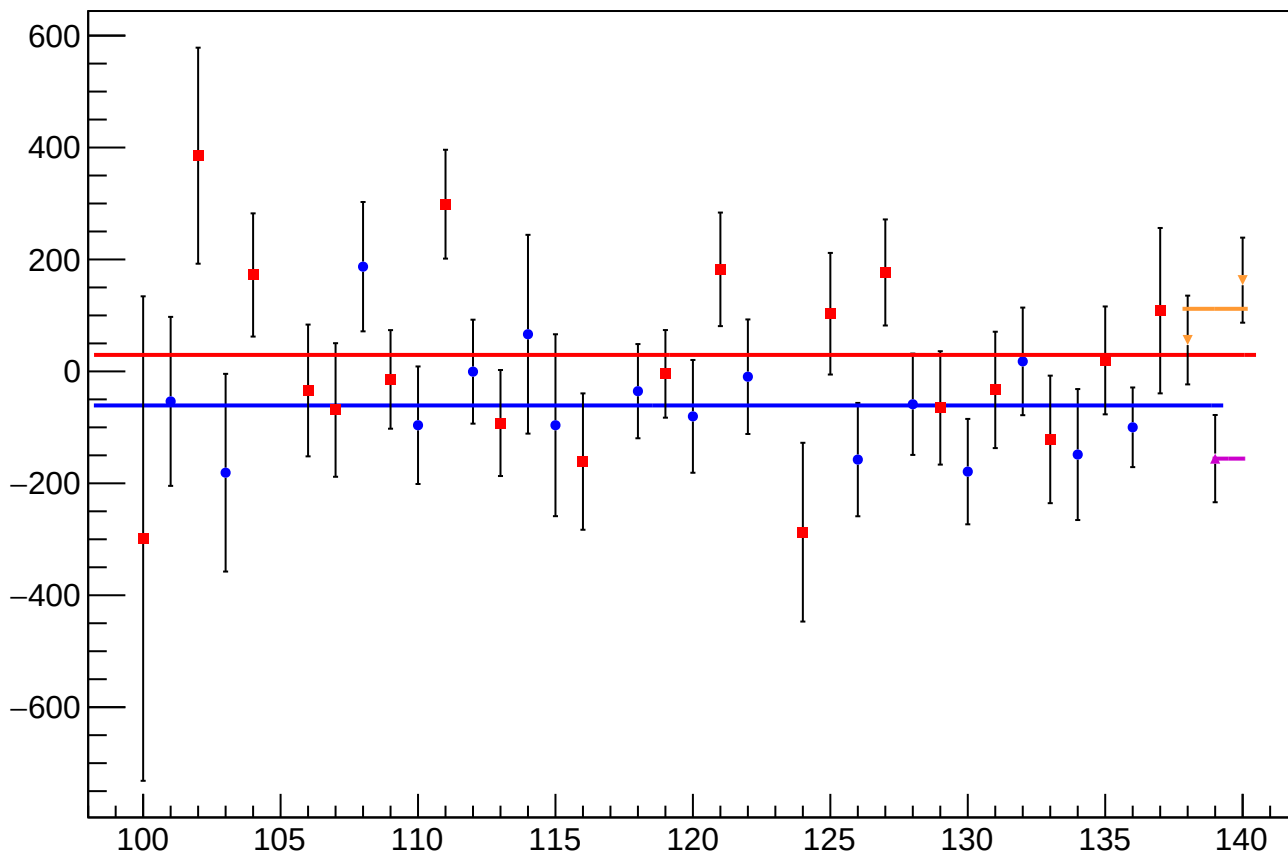
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3273517.9/17

All: 0.000+/-0.000 χ^2/NDF : 6024969.0/37

- sign 0.000+/-0.000 χ^2/NDF : 2082470.3/19

reg_asym_sam7_mean vs Slug



Right In: -60.846 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 111.827 ± 54.866 χ^2/NDF : 0.9/1

Right Out: 29.453 ± 25.105 χ^2/NDF : 31.2/18

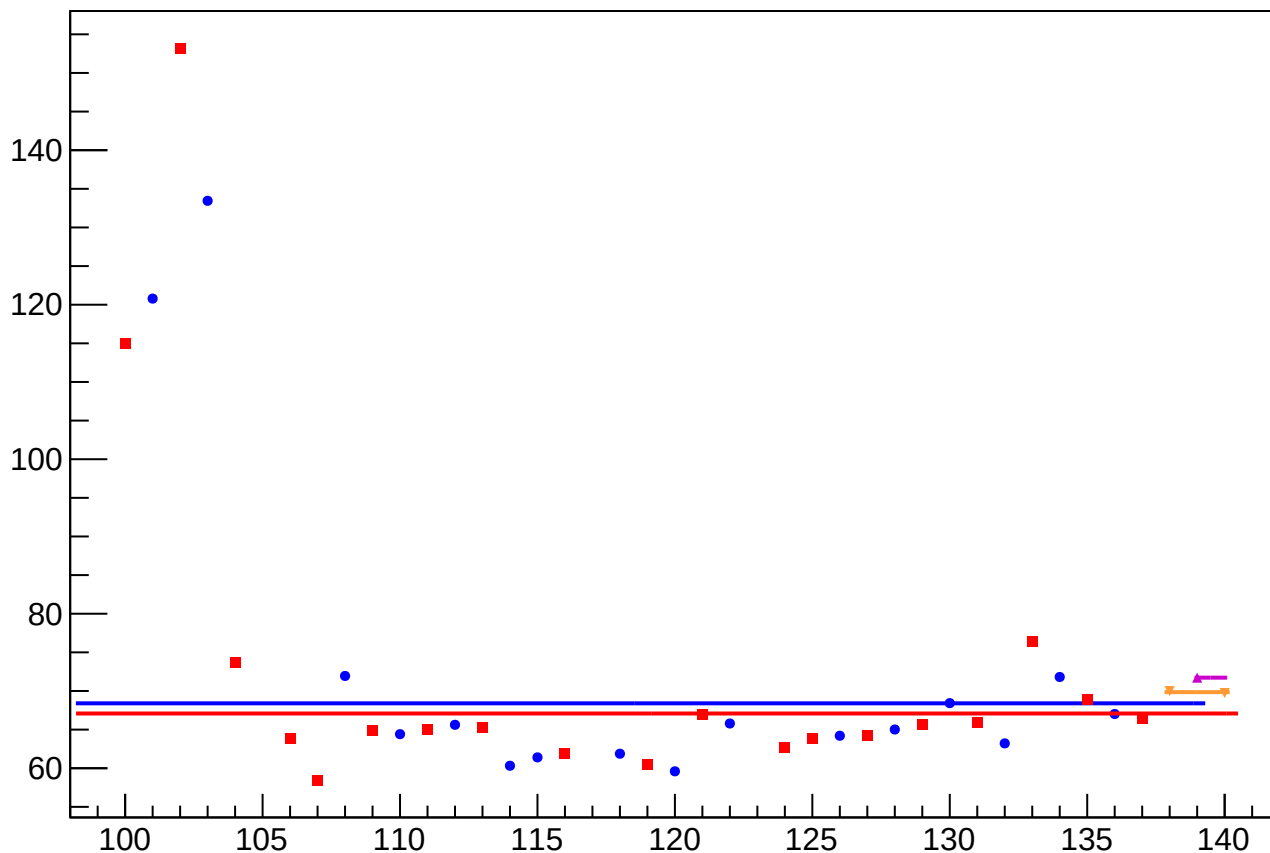
Left In: -155.849 ± 77.960 χ^2/NDF : 0.0/0

+ sign -29.074 ± 23.535 χ^2/NDF : 19.6/17

All: -8.830 ± 16.768 χ^2/NDF : 57.4/37

- sign 12.042 ± 23.897 χ^2/NDF : 36.3/19

reg_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.5/15

Left Out: 69.851 $\pm$ 0.039 χ^2 /NDF: 10.9/1

Right Out: 67.086 $\pm$ 0.018 χ^2 /NDF: 481815.1/18

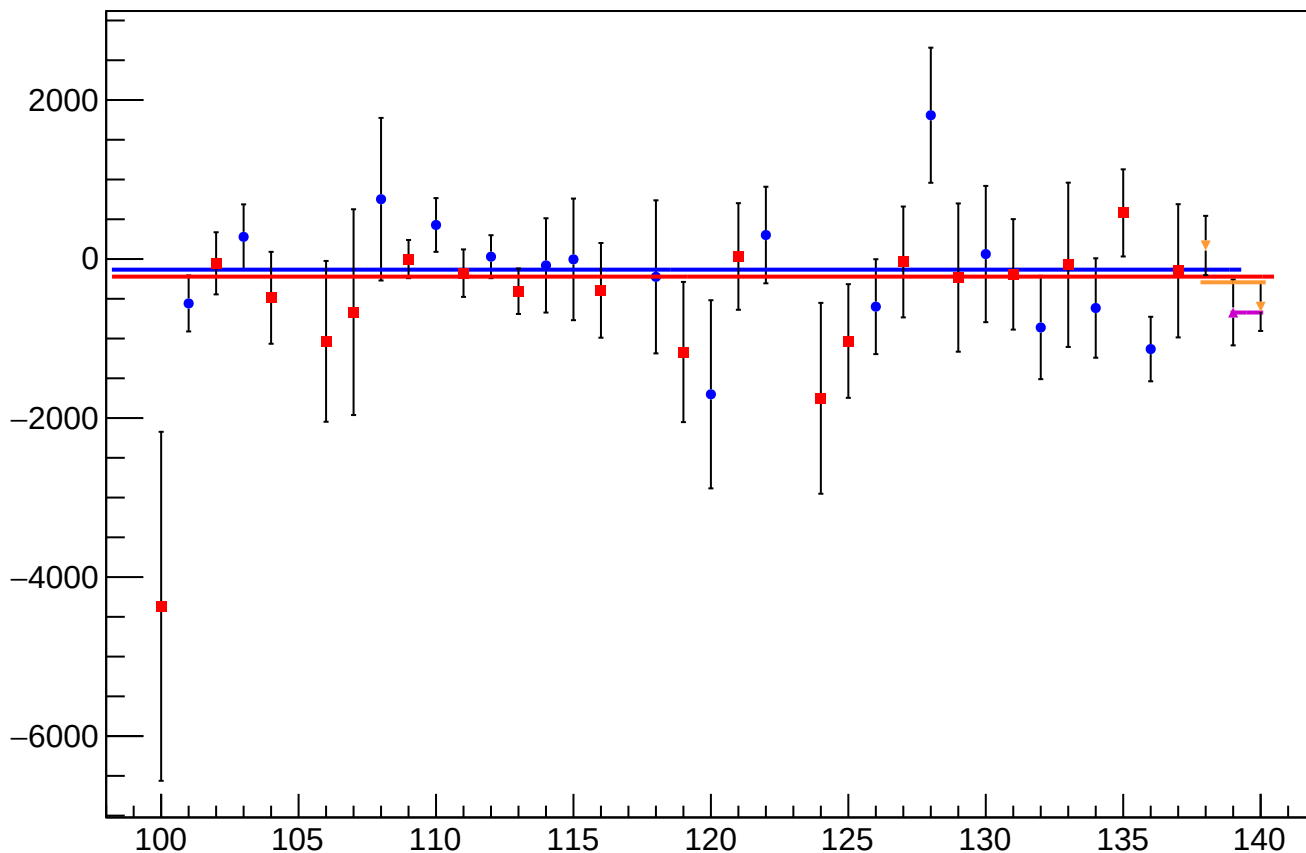
Left In: 71.724 $\pm$ 0.055 χ^2 /NDF: 0.0/0

+ sign 68.670 $\pm$ 0.017 χ^2 /NDF: 570704.0/17

All: 68.104 $\pm$ 0.012 χ^2 /NDF: 1061276.9/37

- sign 67.522 $\pm$ 0.017 χ^2 /NDF: 488229.8/19

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2 /NDF: 22.5/15

Left Out: -292.740+/-235.648 χ^2 /NDF: 2.6/1

Right Out: -221.324+/-117.783 χ^2 /NDF: 12.5/18

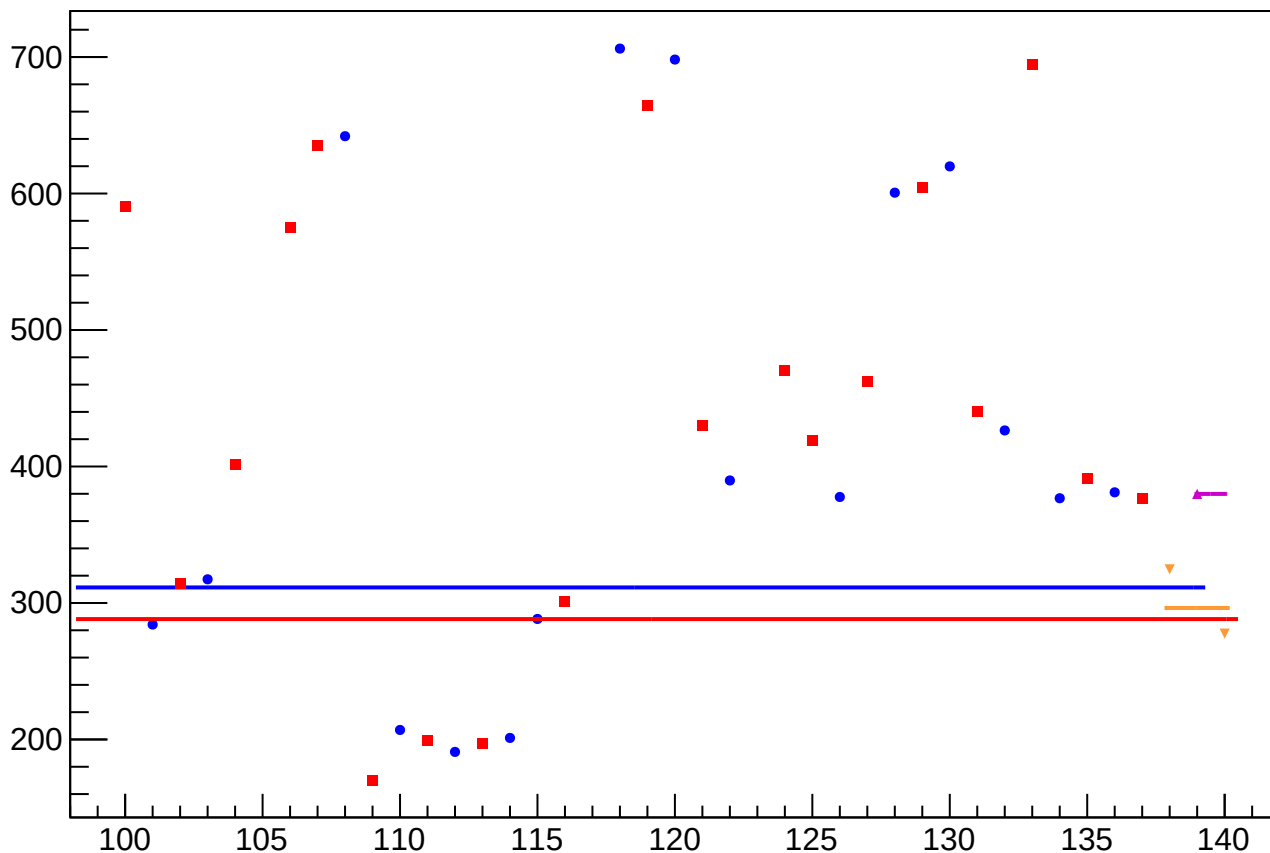
Left In: -672.780+/-413.102 χ^2 /NDF: 0.0/0

+ sign -168.932+/-111.047 χ^2 /NDF: 25.4/17

All: -211.244+/-79.296 χ^2 /NDF: 39.3/37

- sign -255.264+/-113.269 χ^2 /NDF: 13.6/19

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386 $\pm$ 0.089 χ^2 /NDF: 2123797.6/15

Left Out: 296.347 $\pm$ 0.167 χ^2 /NDF:19144.2/1

Right Out: 288.205 $\pm$ 0.083 χ^2 /NDF: 2715380.6/18

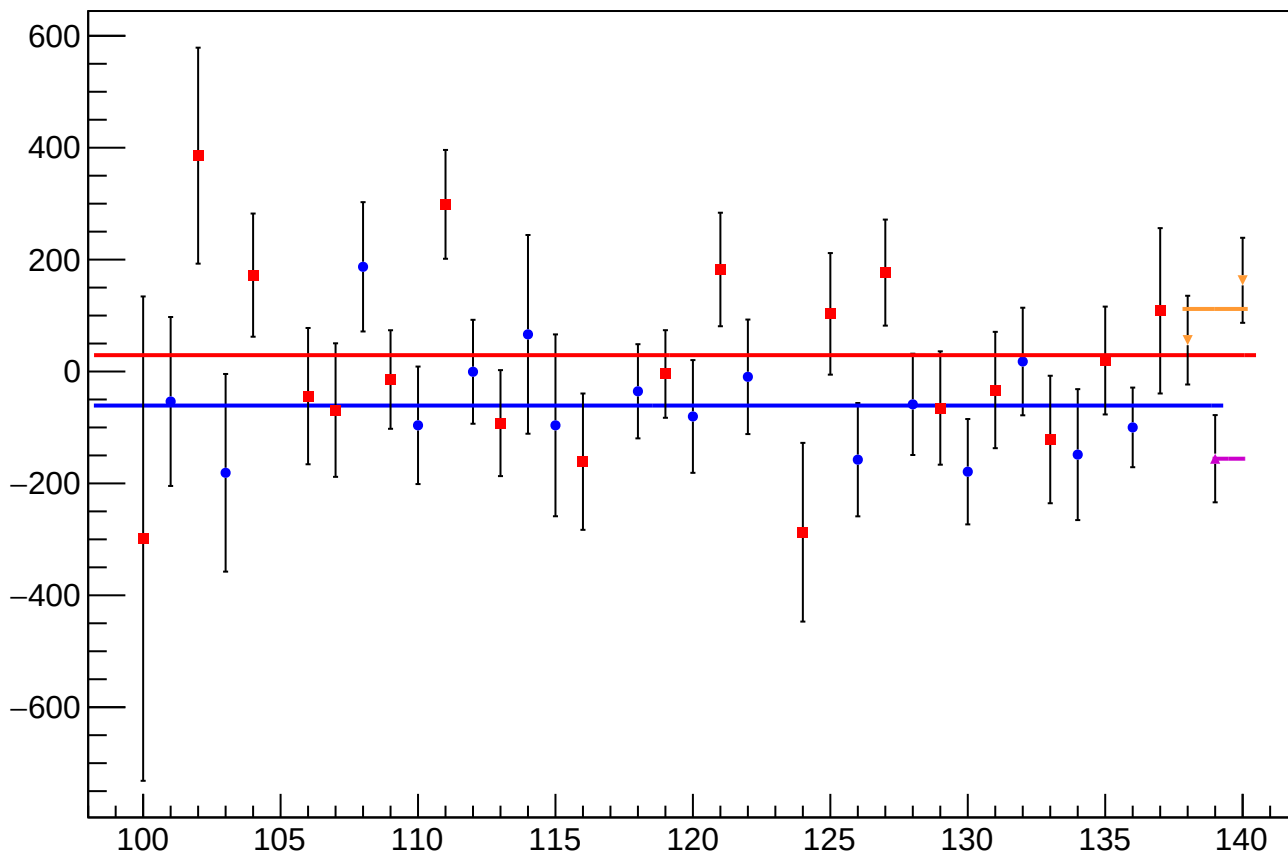
Left In: 379.911 $\pm$ 0.292 χ^2 /NDF:0.0/0

+ sign 308.046 $\pm$ 0.079 χ^2 /NDF: 2149279.1/17

All: 301.701 $\pm$ 0.056 χ^2 /NDF: 4969136.8/37

- sign 295.099 $\pm$ 0.080 χ^2 /NDF: 2806533.5/19

cor_asym_sam7_mean vs Slug



Right In: -60.848 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 111.826 ± 54.866 χ^2/NDF : 0.9/1

Right Out: 29.221 ± 25.143 χ^2/NDF : 31.3/18

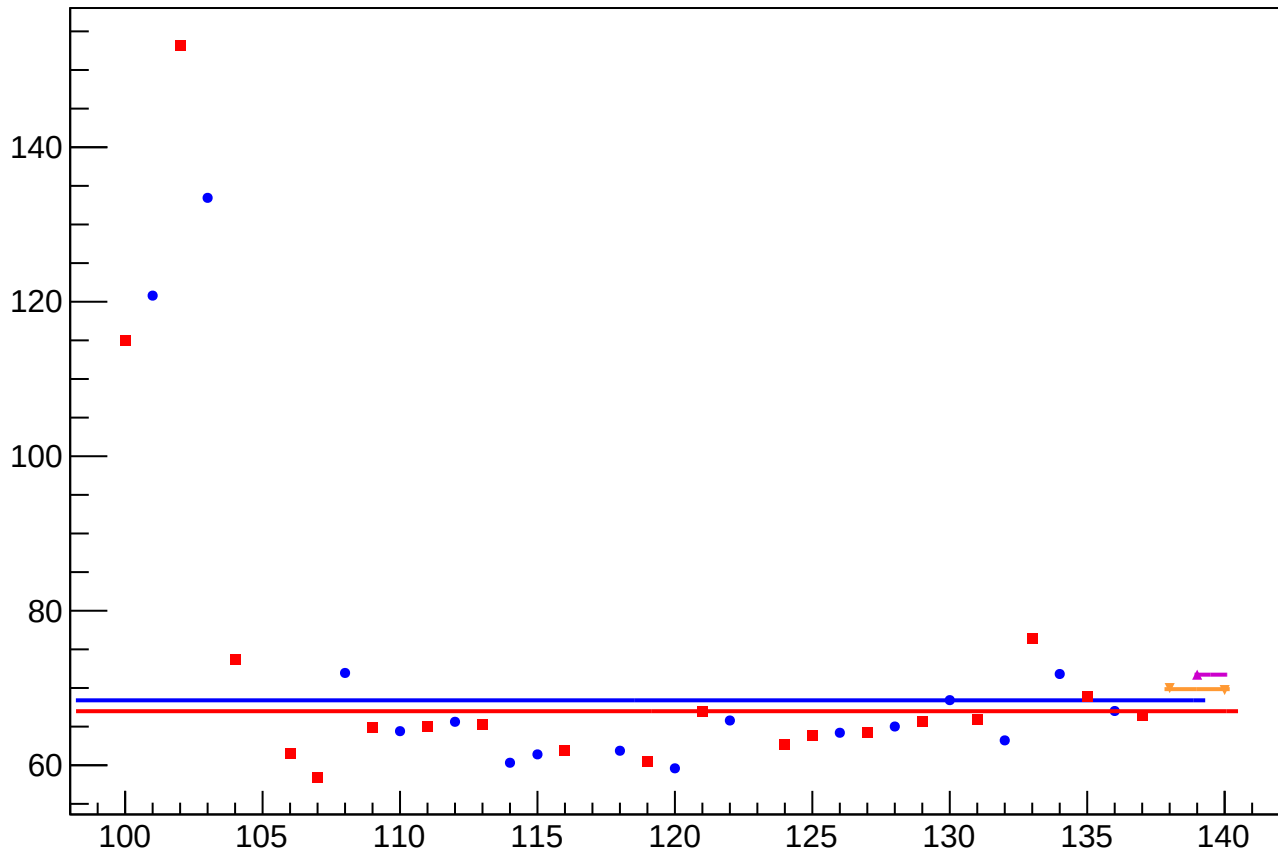
Left In: -155.848 ± 77.960 χ^2/NDF : 0.0/0

+ sign -29.076 ± 23.535 χ^2/NDF : 19.6/17

All: -8.985 ± 16.779 χ^2/NDF : 57.5/37

- sign 11.785 ± 23.929 χ^2/NDF : 36.4/19

cor_asym_sam7_rms vs Slug



Right In: 68.403 ± 0.018 $\chi^2/\text{NDF}: 569557.9/15$

Left Out: 69.851 ± 0.039 $\chi^2/\text{NDF}: 10.9/1$

Right Out: 66.995 ± 0.018 $\chi^2/\text{NDF}: 484487.7/18$

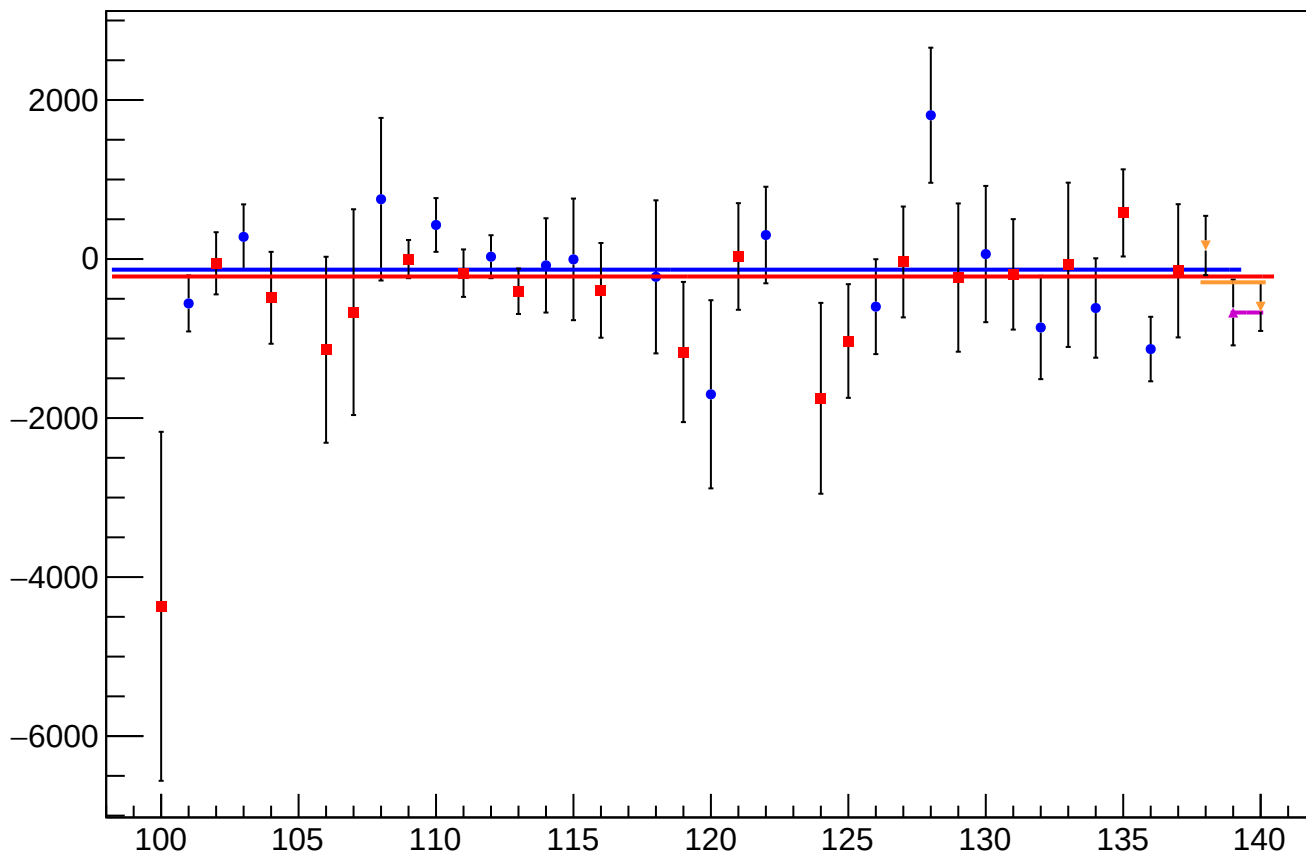
Left In: 71.724 ± 0.055 $\chi^2/\text{NDF}: 0.0/0$

+ sign 68.670 ± 0.017 $\chi^2/\text{NDF}: 570704.3/17$

All: 68.065 ± 0.012 $\chi^2/\text{NDF}: 1064542.6/37$

- sign 67.440 ± 0.017 $\chi^2/\text{NDF}: 491155.0/19$

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -292.737 ± 235.647 χ^2/NDF : 2.6/1

Right Out: -219.615 ± 117.989 χ^2/NDF : 12.5/18

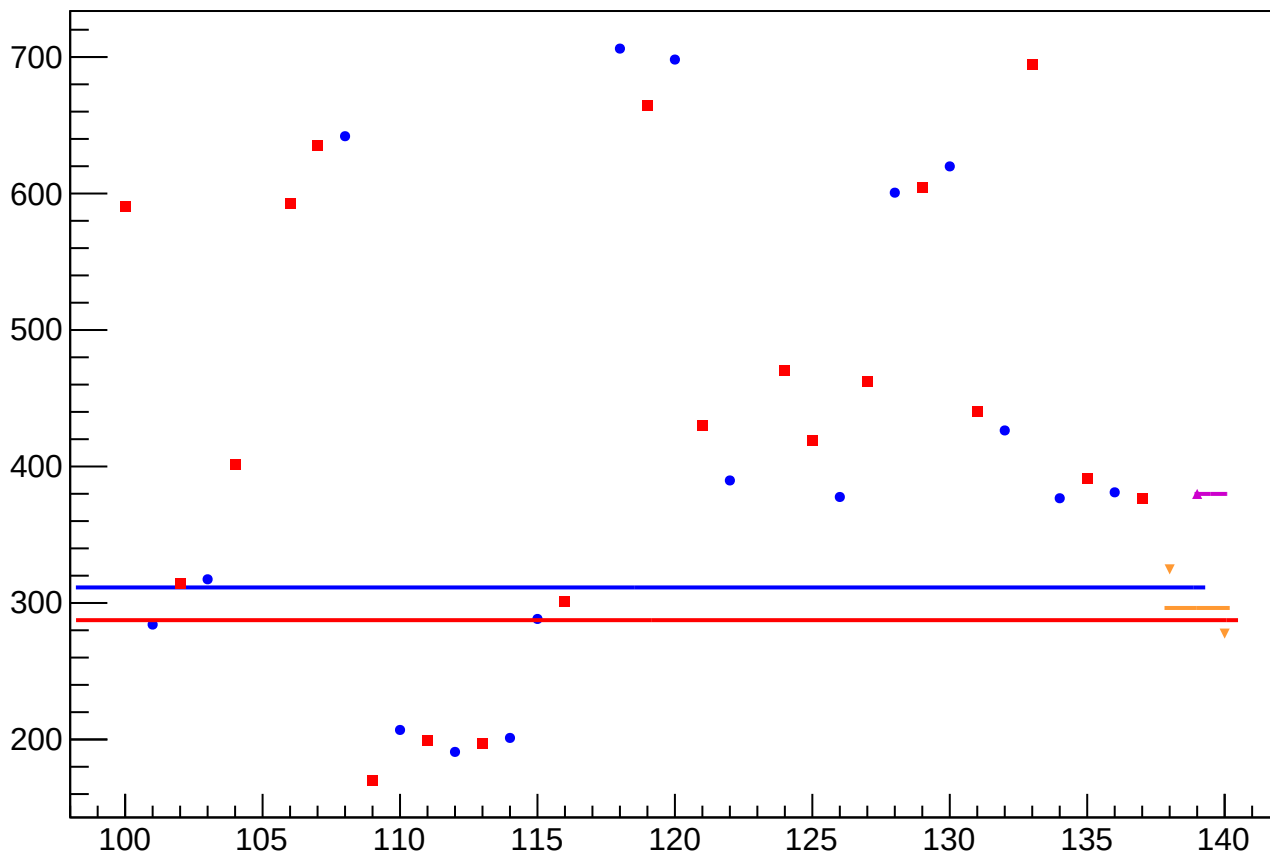
Left In: -672.781 ± 413.103 χ^2/NDF : 0.0/0

+ sign -168.930 ± 111.048 χ^2/NDF : 25.4/17

All: -210.453 ± 79.359 χ^2/NDF : 39.3/37

- sign -253.795 ± 113.453 χ^2/NDF : 13.6/19

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388 $\pm$ 0.089 χ^2 /NDF: 2123799.0/15

Left Out: 296.346 $\pm$ 0.167 χ^2 /NDF:19143.6/1

Right Out: 287.413 $\pm$ 0.083 χ^2 /NDF: 2690258.0/18

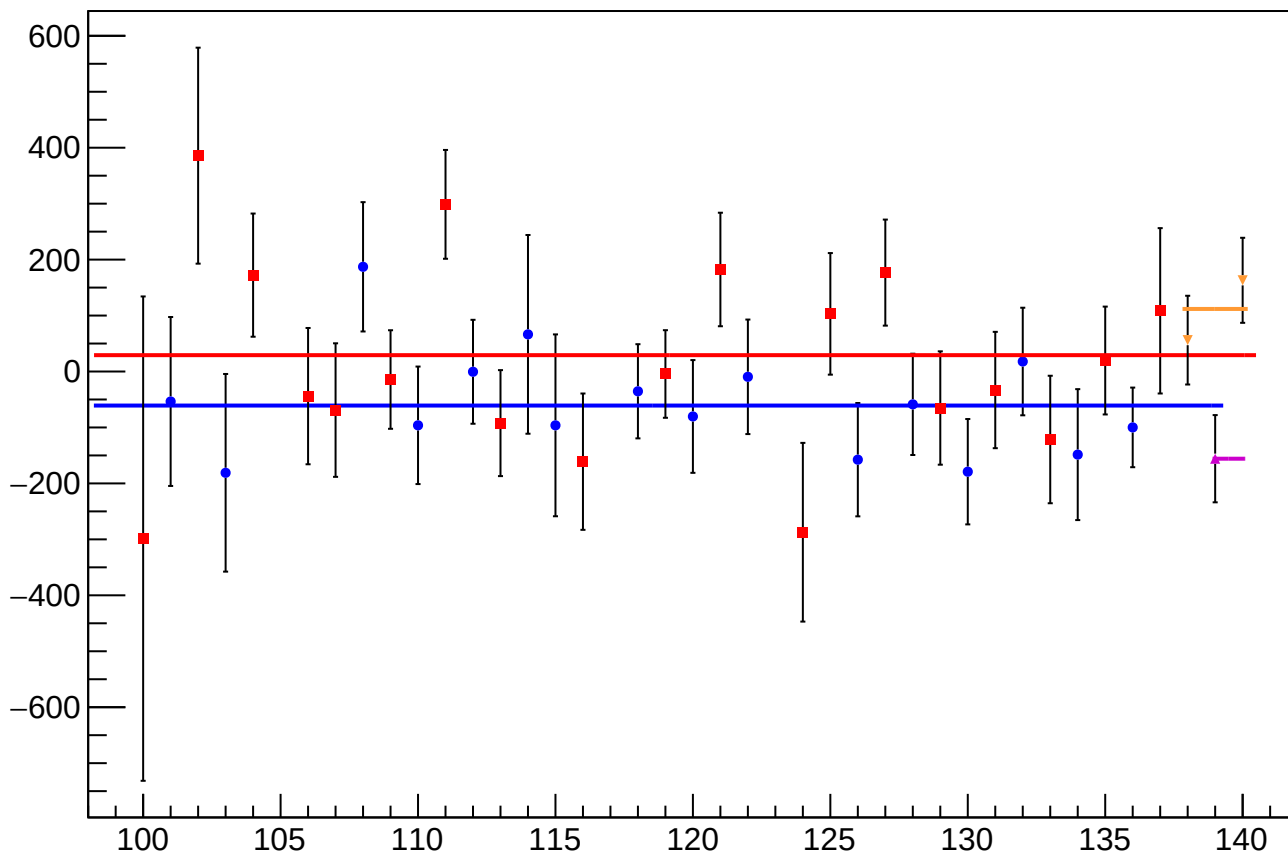
Left In: 379.912 $\pm$ 0.292 χ^2 /NDF:0.0/0

+ sign 308.048 $\pm$ 0.079 χ^2 /NDF: 2149282.2/17

All: 301.365 $\pm$ 0.056 χ^2 /NDF: 4947052.8/37

- sign 294.390 $\pm$ 0.080 χ^2 /NDF: 2782967.8/19

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 111.826 ± 54.866 χ^2/NDF : 0.9/1

Right Out: 29.221 ± 25.143 χ^2/NDF : 31.3/18

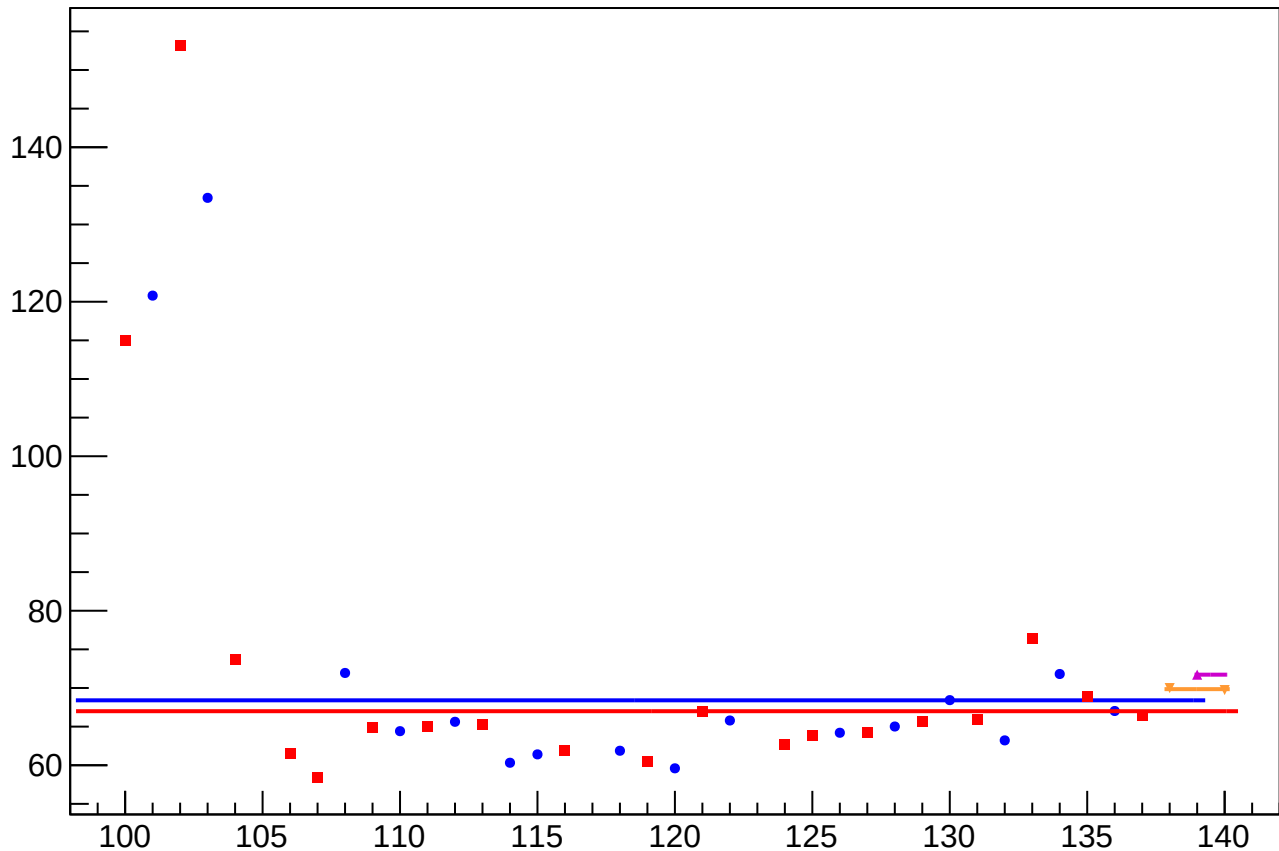
Left In: -155.848 ± 77.960 χ^2/NDF : 0.0/0

+ sign -29.076 ± 23.535 χ^2/NDF : 19.6/17

All: -8.985 ± 16.779 χ^2/NDF : 57.5/37

- sign 11.785 ± 23.929 χ^2/NDF : 36.4/19

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.9/15

Left Out: 69.851 $\pm$ 0.039 χ^2 /NDF: 10.9/1

Right Out: 66.995 $\pm$ 0.018 χ^2 /NDF: 484487.7/18

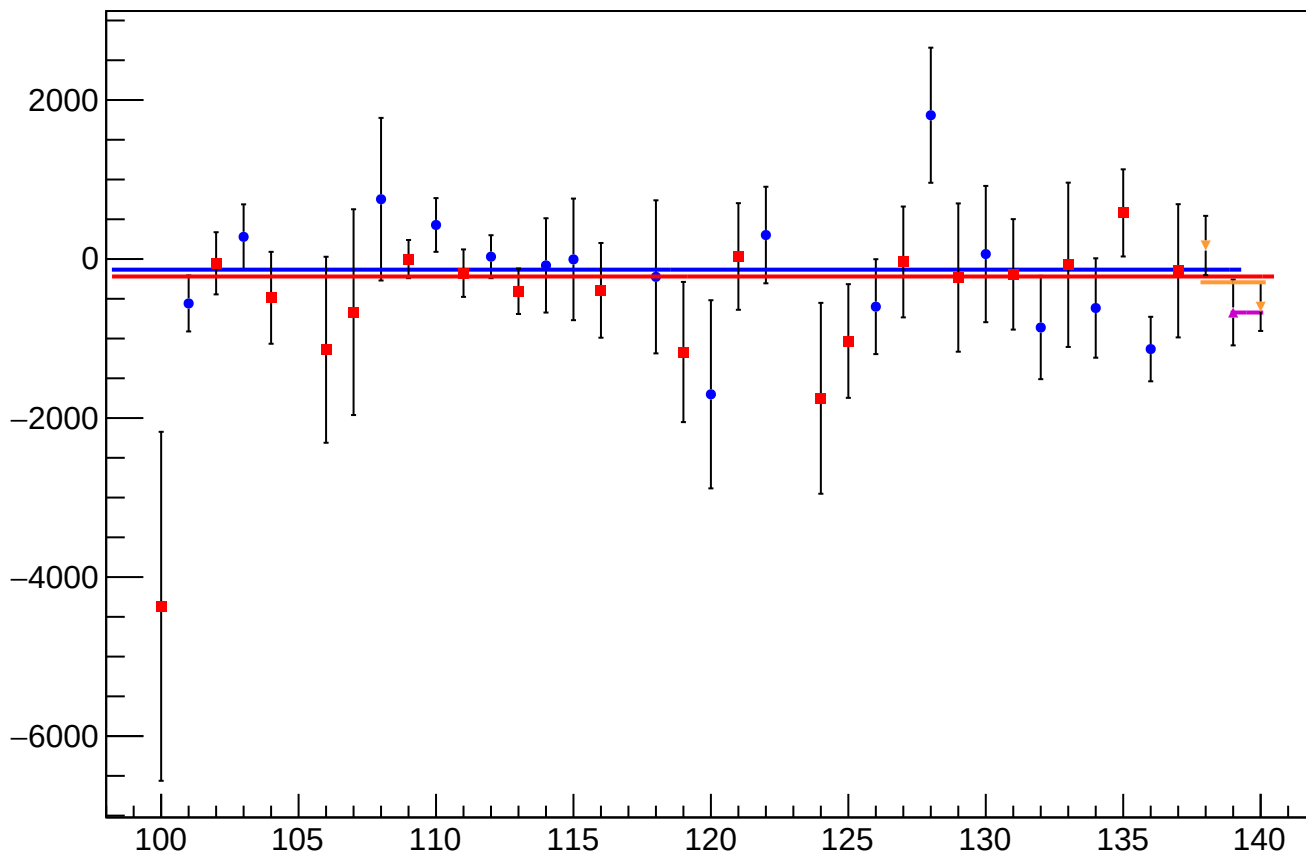
Left In: 71.724 $\pm$ 0.055 χ^2 /NDF: 0.0/0

+ sign 68.670 $\pm$ 0.017 χ^2 /NDF: 570704.3/17

All: 68.065 $\pm$ 0.012 χ^2 /NDF: 1064542.6/37

- sign 67.440 $\pm$ 0.017 χ^2 /NDF: 491155.0/19

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -292.737 ± 235.647 χ^2/NDF : 2.6/1

Right Out: -219.615 ± 117.989 χ^2/NDF : 12.5/18

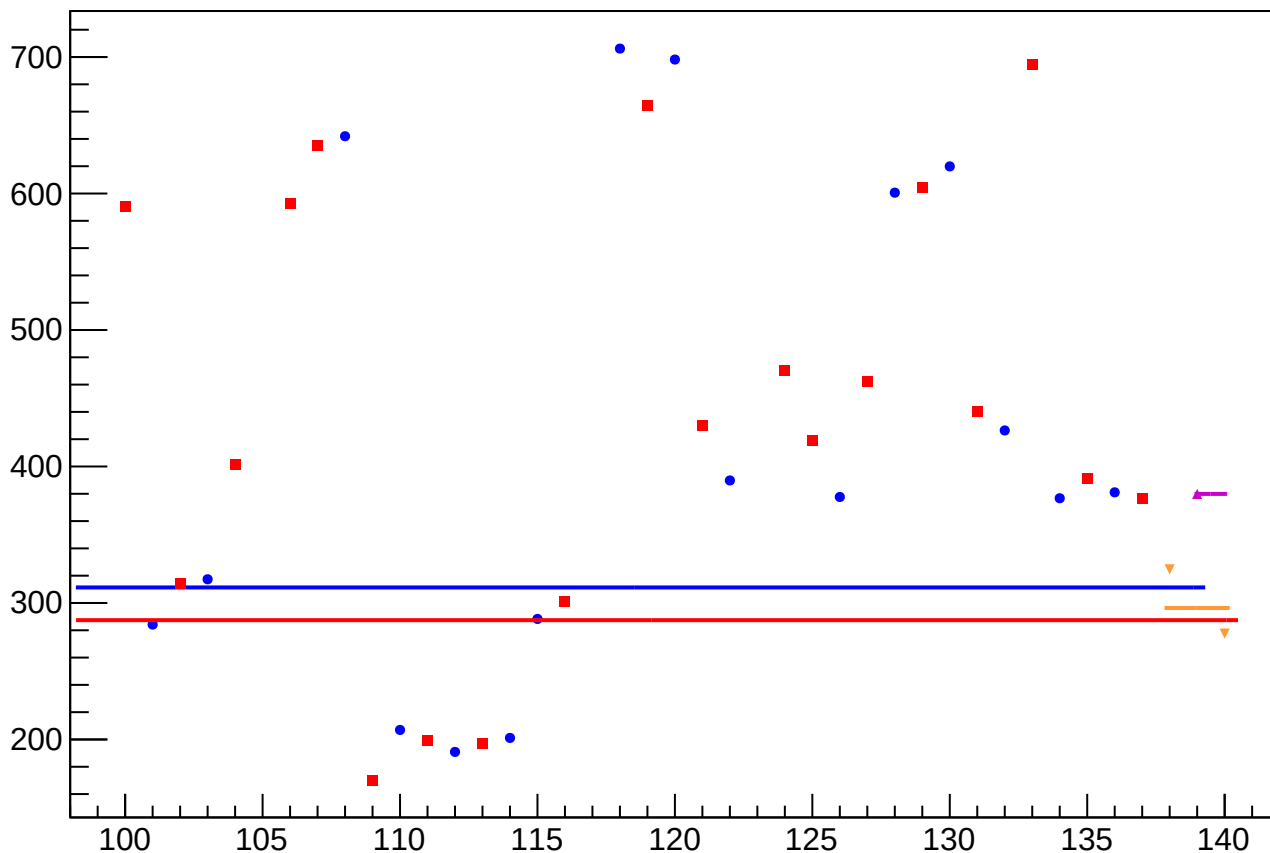
Left In: -672.781 ± 413.103 χ^2/NDF : 0.0/0

+ sign -168.930 ± 111.048 χ^2/NDF : 25.4/17

All: -210.453 ± 79.359 χ^2/NDF : 39.3/37

- sign -253.795 ± 113.453 χ^2/NDF : 13.6/19

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF : 2123799.0/15

Left Out: 296.346+/-0.167 χ^2/NDF : 19143.6/1

Right Out: 287.413+/-0.083 χ^2/NDF : 2690258.0/18

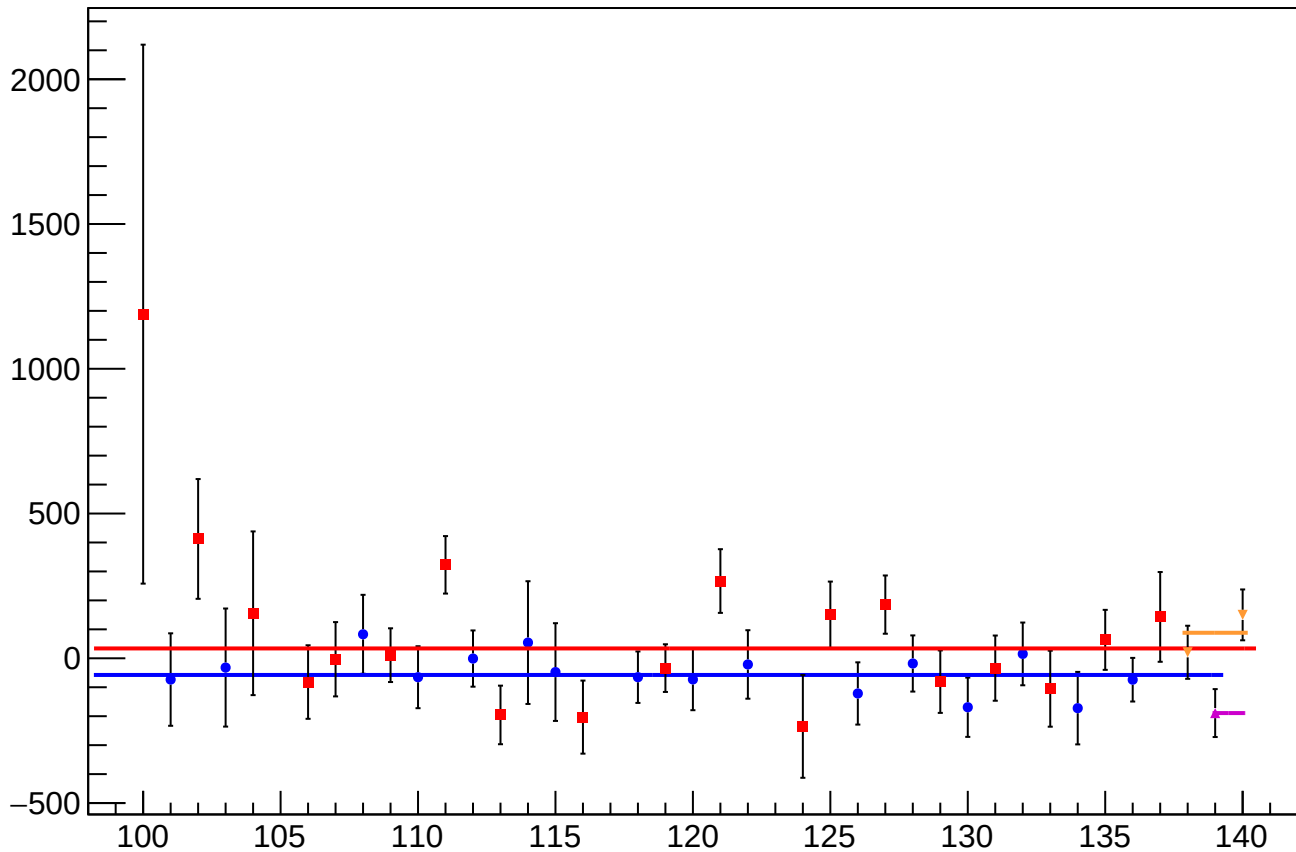
Left In: 379.912+/-0.292 χ^2/NDF : 0.0/0

+ sign 308.048+/-0.079 χ^2/NDF : 2149282.2/17

All: 301.365+/-0.056 χ^2/NDF : 4947052.8/37

- sign 294.390+/-0.080 χ^2/NDF : 2782967.8/19

dit_asym_sam7_mean vs Slug



Right In: -57.533 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 88.175 ± 63.427 χ^2/NDF : 1.0/1

Right Out: 34.033 ± 27.398 χ^2/NDF : 37.1/18

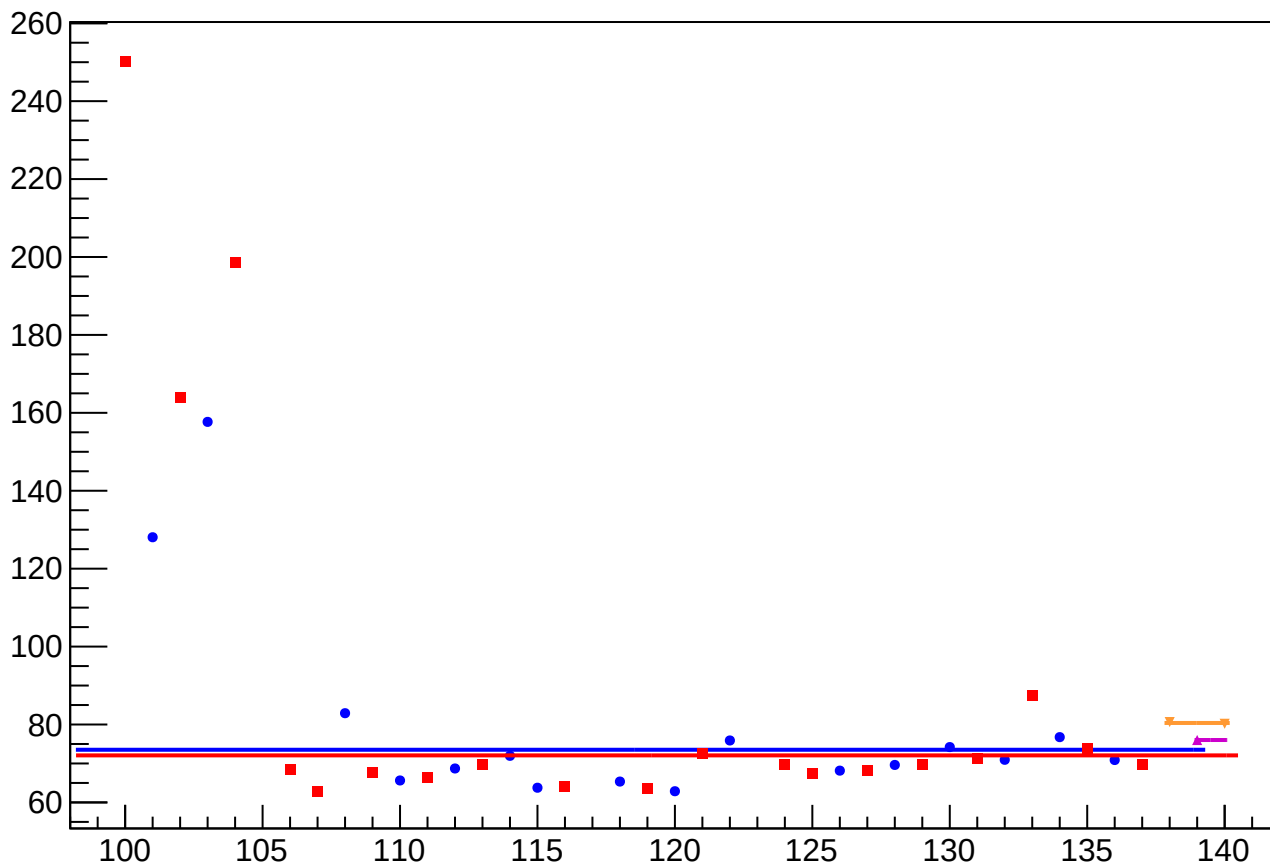
Left In: -189.176 ± 82.768 χ^2/NDF : 0.0/0

+ sign -33.645 ± 25.682 χ^2/NDF : 10.3/17

All: -11.118 ± 18.275 χ^2/NDF : 55.6/37

- sign 11.990 ± 26.010 χ^2/NDF : 43.7/19

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656847.5/15

Left Out: 80.395+/-0.045 χ^2/NDF : 23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF : 958495.0/18

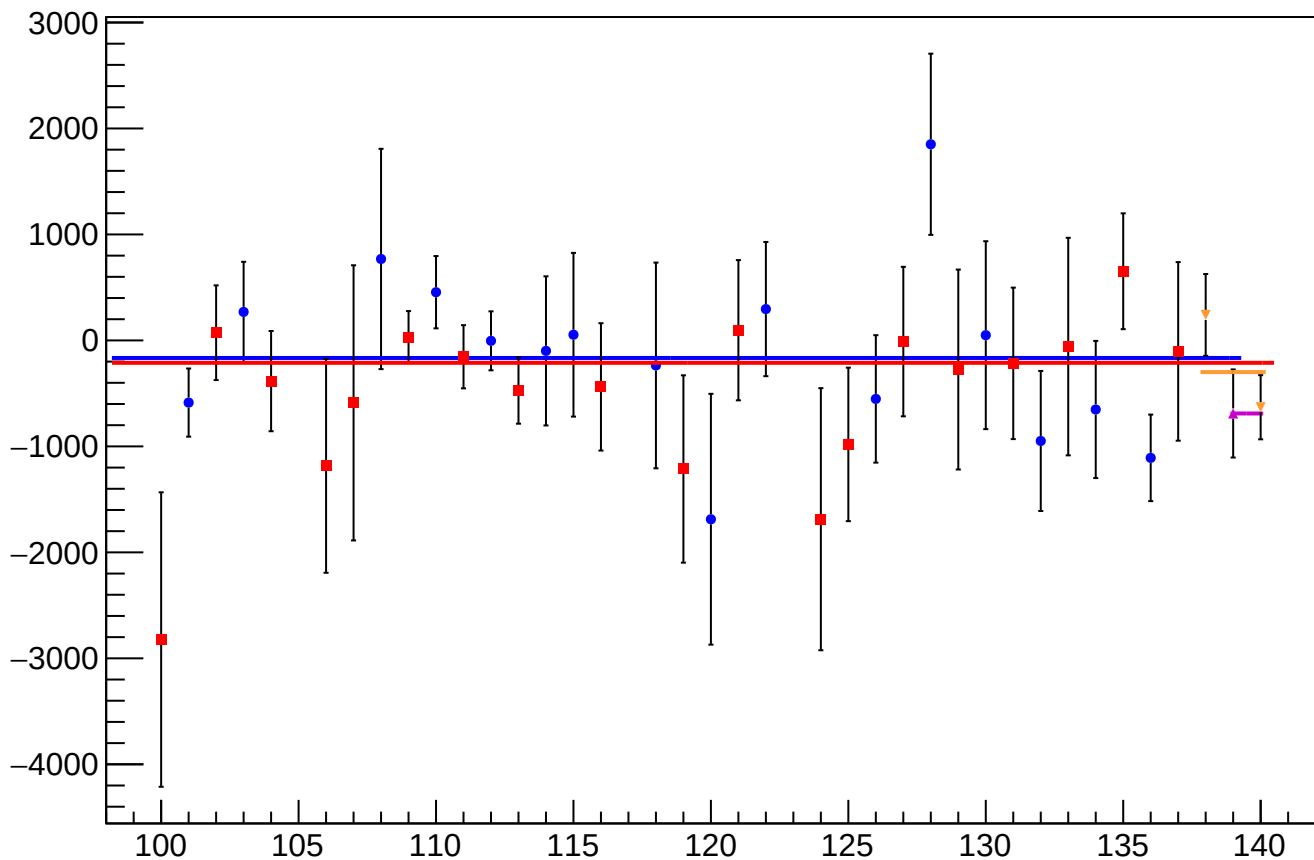
Left In: 76.021+/-0.059 χ^2/NDF : 0.0/0

+ sign 74.646+/-0.018 χ^2/NDF : 676524.1/17

All: 73.569+/-0.013 χ^2/NDF : 1646249.0/37

- sign 72.464+/-0.018 χ^2/NDF : 962593.7/19

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500 ± 128.438 χ^2/NDF : 22.6/15

Left Out: -298.741 ± 238.201 χ^2/NDF : 3.2/1

Right Out: -211.347 ± 120.122 χ^2/NDF : 13.6/18

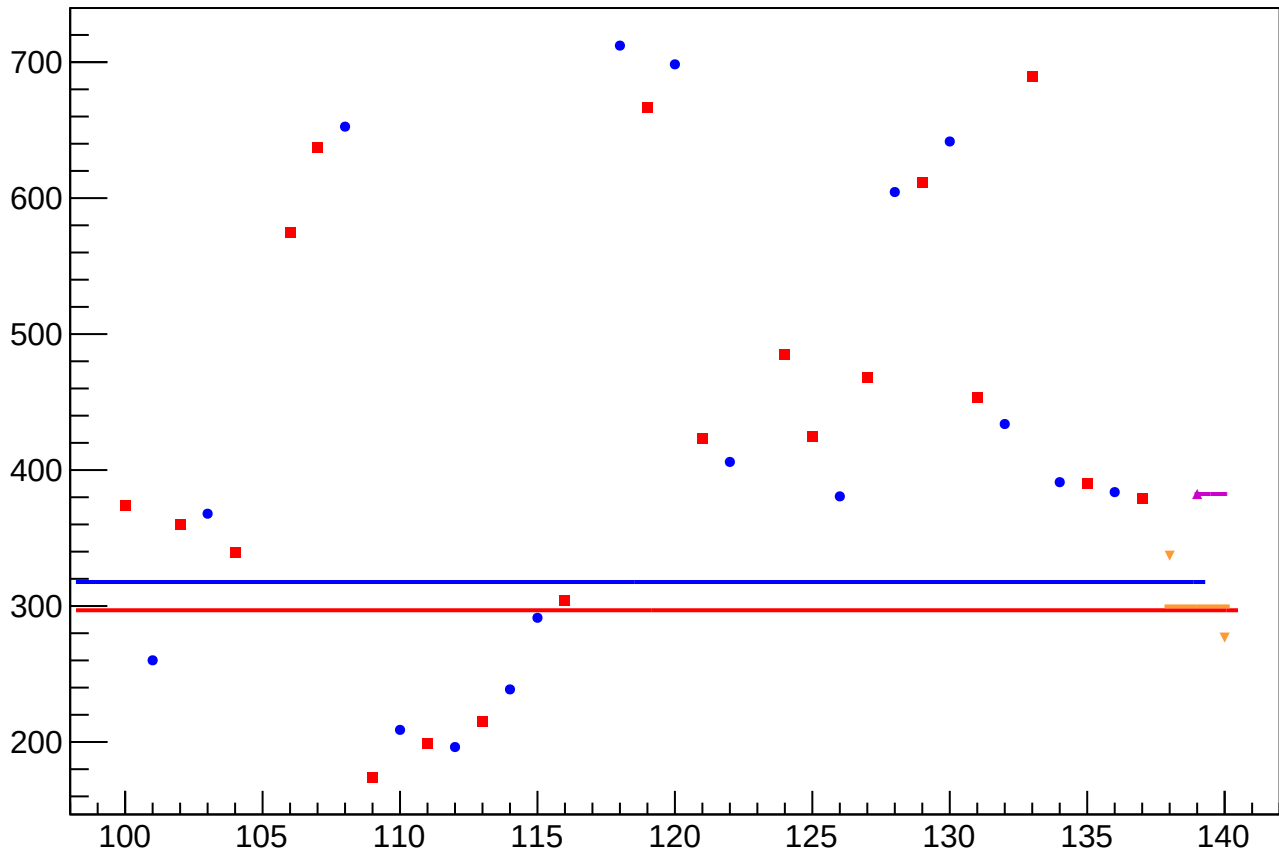
Left In: -689.489 ± 415.768 χ^2/NDF : 0.0/0

+ sign -195.512 ± 113.051 χ^2/NDF : 26.0/17

All: -221.306 ± 80.757 χ^2/NDF : 41.0/37

- sign -248.184 ± 115.402 χ^2/NDF : 14.8/19

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664 $\pm$ 0.091 χ^2 /NDF: 2136192.8/15

Left Out: 299.712 $\pm$ 0.168 χ^2 /NDF:30162.4/1

Right Out: 296.888 $\pm$ 0.085 χ^2 /NDF: 2541040.3/18

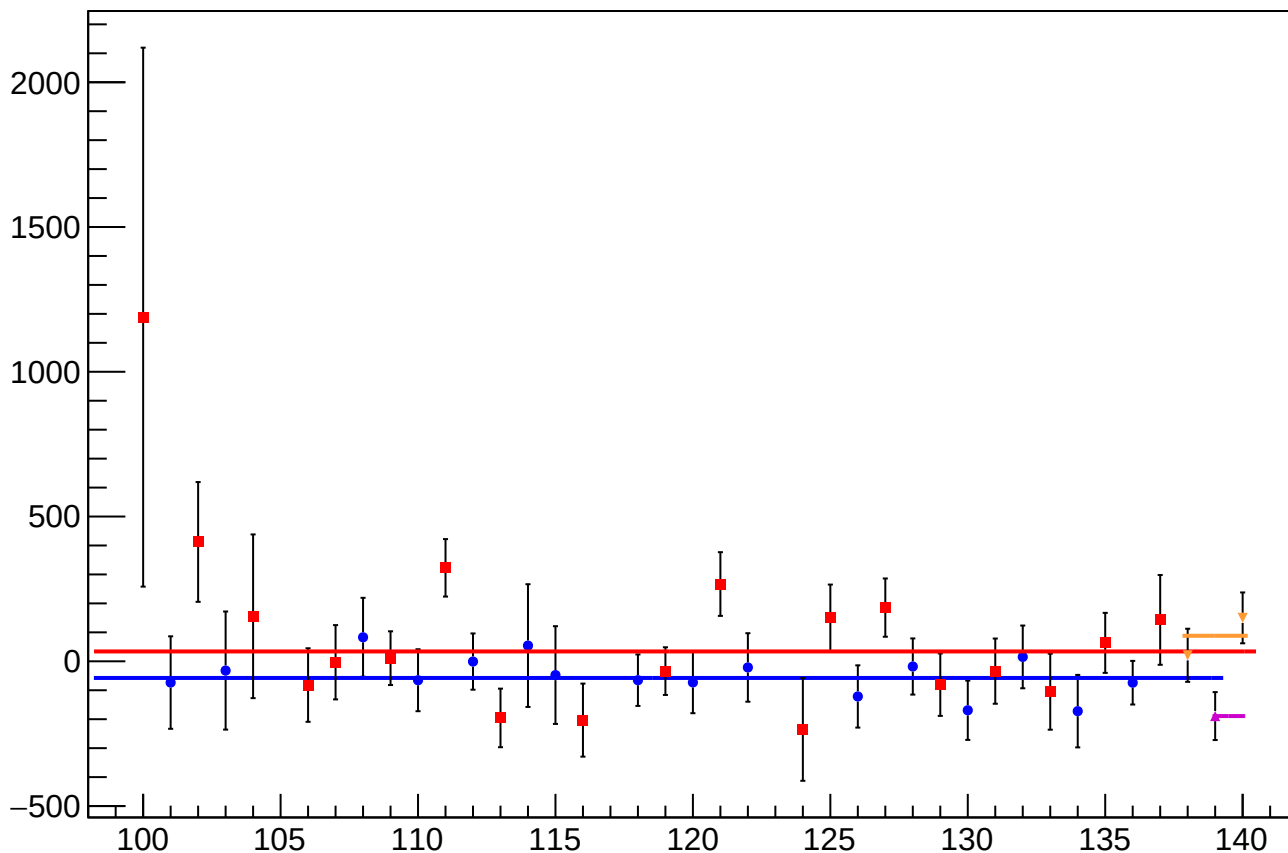
Left In: 382.387 $\pm$ 0.294 χ^2 /NDF:0.0/0

+ sign 313.620 $\pm$ 0.080 χ^2 /NDF: 2175155.9/17

All: 308.652 $\pm$ 0.057 χ^2 /NDF: 4802145.1/37

- sign 303.475 $\pm$ 0.082 χ^2 /NDF: 2619101.5/19

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 88.173 ± 63.427 χ^2/NDF : 1.0/1

Right Out: 34.034 ± 27.398 χ^2/NDF : 37.1/18

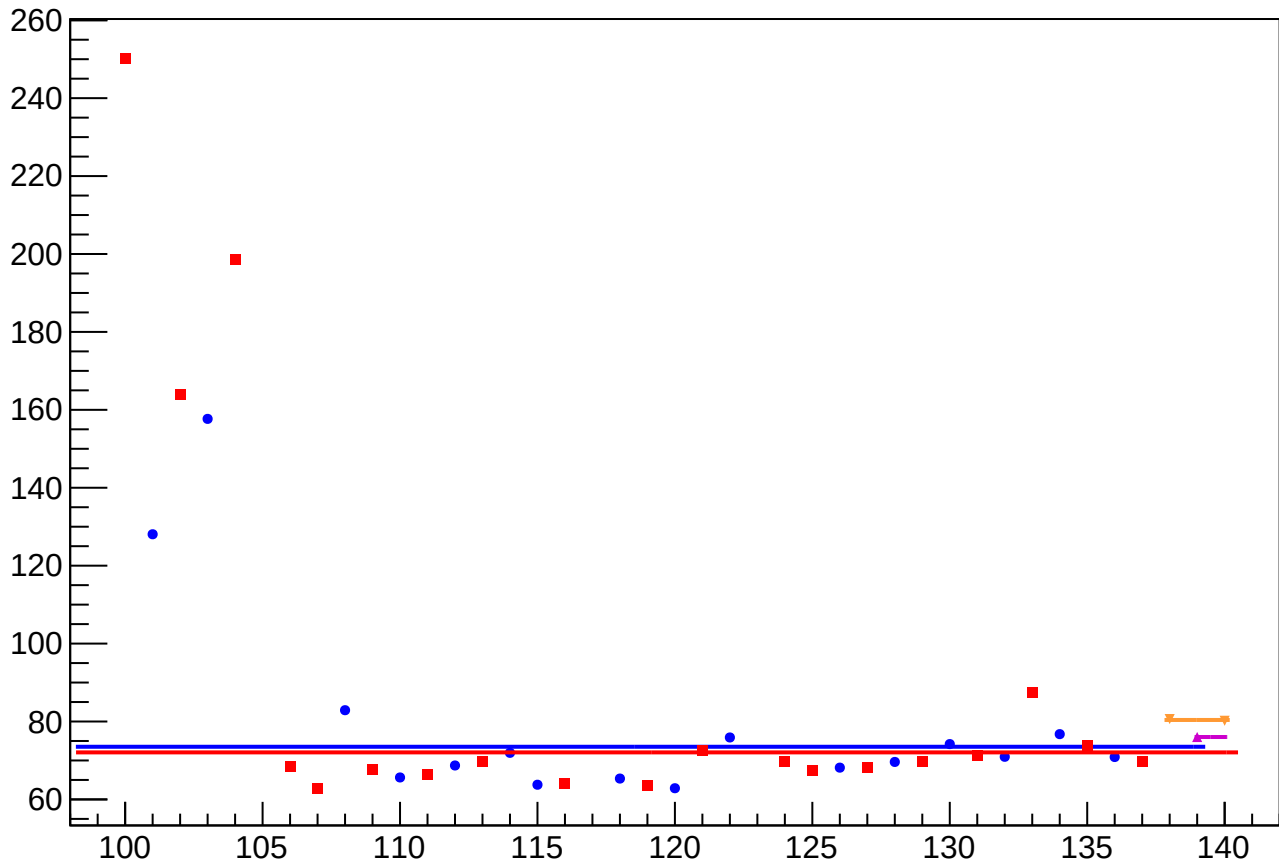
Left In: -189.176 ± 82.768 χ^2/NDF : 0.0/0

+ sign -33.644 ± 25.681 χ^2/NDF : 10.3/17

All: -11.117 ± 18.275 χ^2/NDF : 55.6/37

- sign 11.991 ± 26.010 χ^2/NDF : 43.7/19

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656849.2/15

Left Out: 80.395+/-0.045 χ^2/NDF : 23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF : 958496.3/18

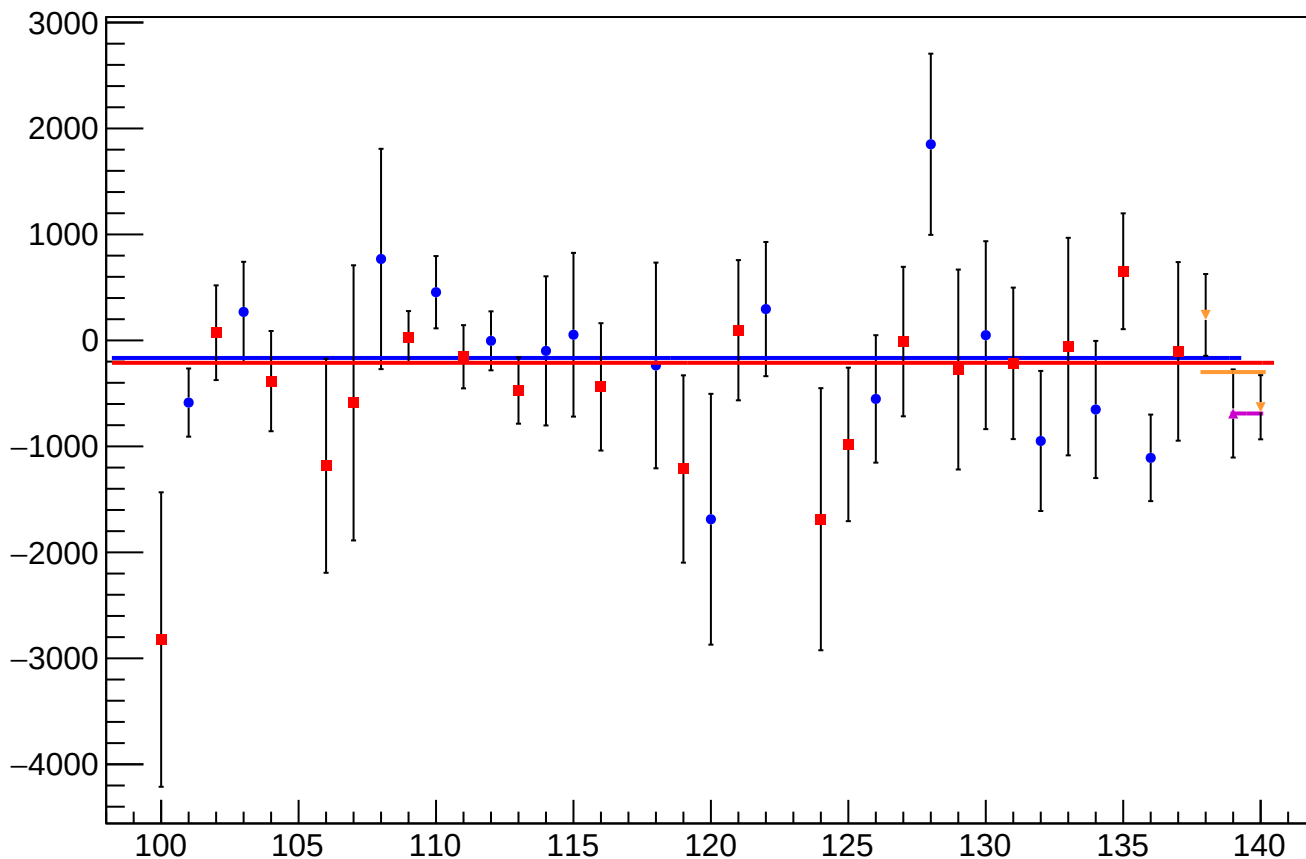
Left In: 76.021+/-0.059 χ^2/NDF : 0.0/0

+ sign 74.646+/-0.018 χ^2/NDF : 676526.4/17

All: 73.569+/-0.013 χ^2/NDF : 1646252.5/37

- sign 72.464+/-0.018 χ^2/NDF : 962595.1/19

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498 ± 128.437 χ^2/NDF : 22.6/15

Left Out: -298.742 ± 238.201 χ^2/NDF : 3.2/1

Right Out: -211.347 ± 120.121 χ^2/NDF : 13.6/18

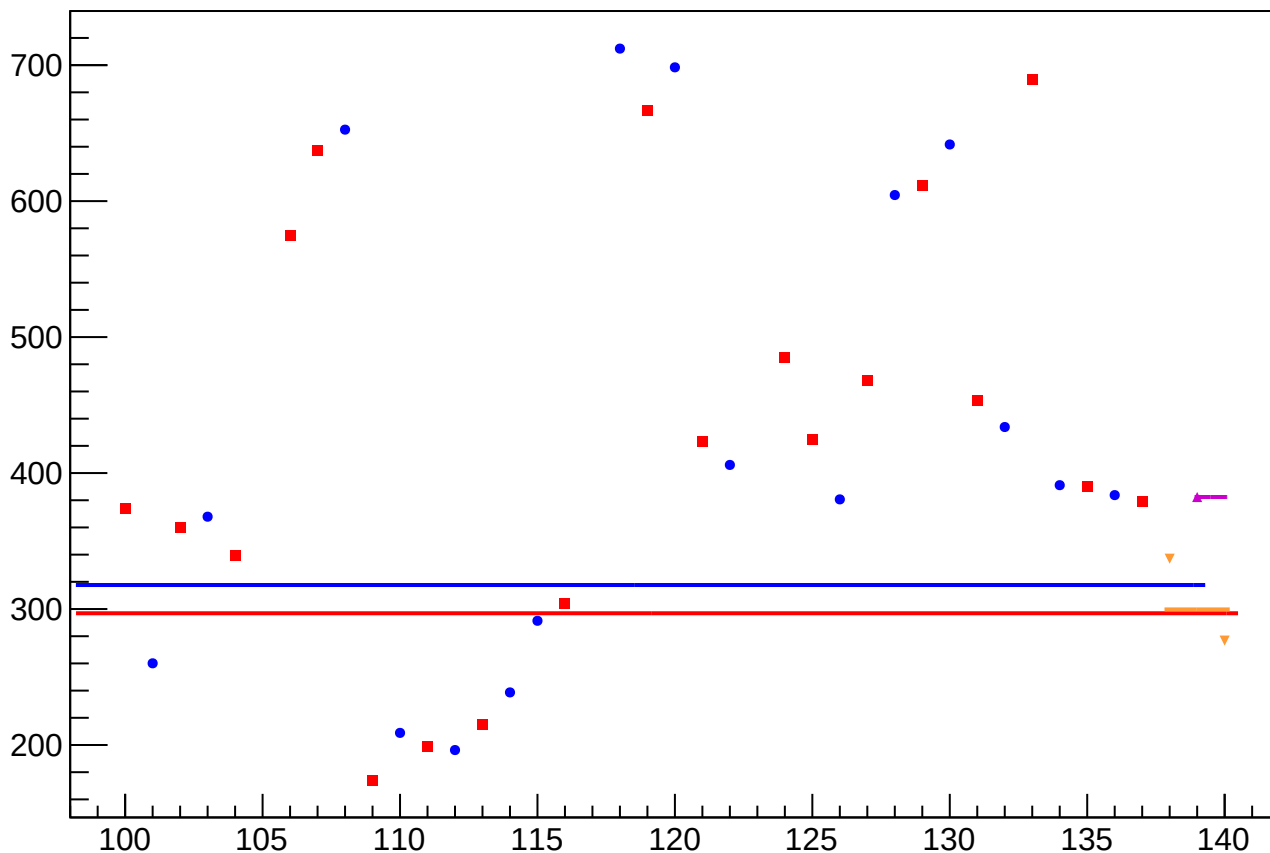
Left In: -689.488 ± 415.768 χ^2/NDF : 0.0/0

+ sign -195.511 ± 113.050 χ^2/NDF : 26.0/17

All: -221.305 ± 80.757 χ^2/NDF : 41.0/37

- sign -248.183 ± 115.401 χ^2/NDF : 14.8/19

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661 ± 0.091 χ^2/NDF : 2136224.4/15

Left Out: 299.712 ± 0.168 χ^2/NDF : 30161.9/1

Right Out: 296.887 ± 0.085 χ^2/NDF : 2541051.2/18

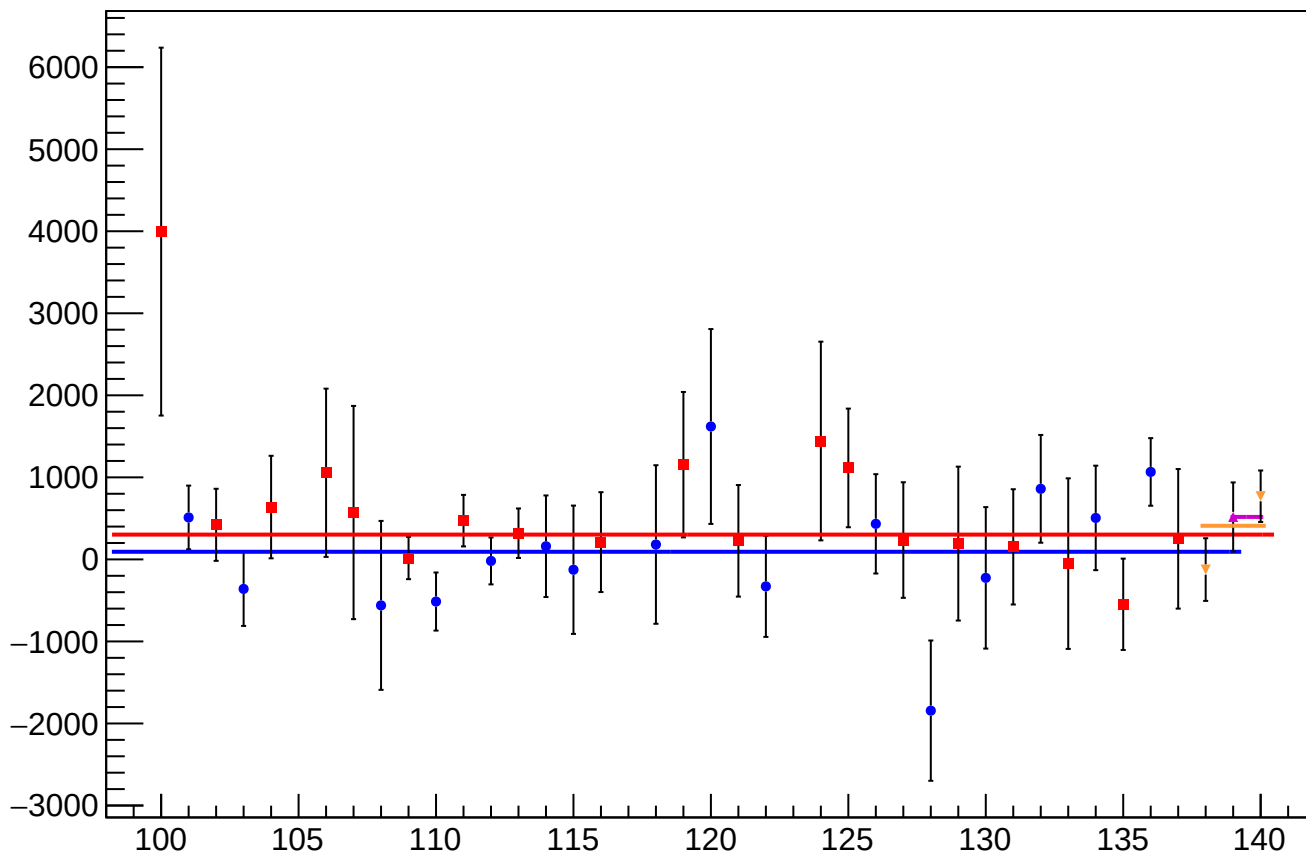
Left In: 382.387 ± 0.294 χ^2/NDF : 0.0/0

+ sign 313.618 ± 0.080 χ^2/NDF : 2175184.7/17

All: 308.650 ± 0.057 χ^2/NDF : 4802186.2/37

- sign 303.474 ± 0.082 χ^2/NDF : 2619114.4/19

asym_sam7_mean vs Slug



Right In: 92.803 ± 131.927 χ^2/NDF : 20.8/15

Left Out: 409.805 ± 242.381 χ^2/NDF : 3.3/1

Right Out: 302.273 ± 123.916 χ^2/NDF : 10.8/18

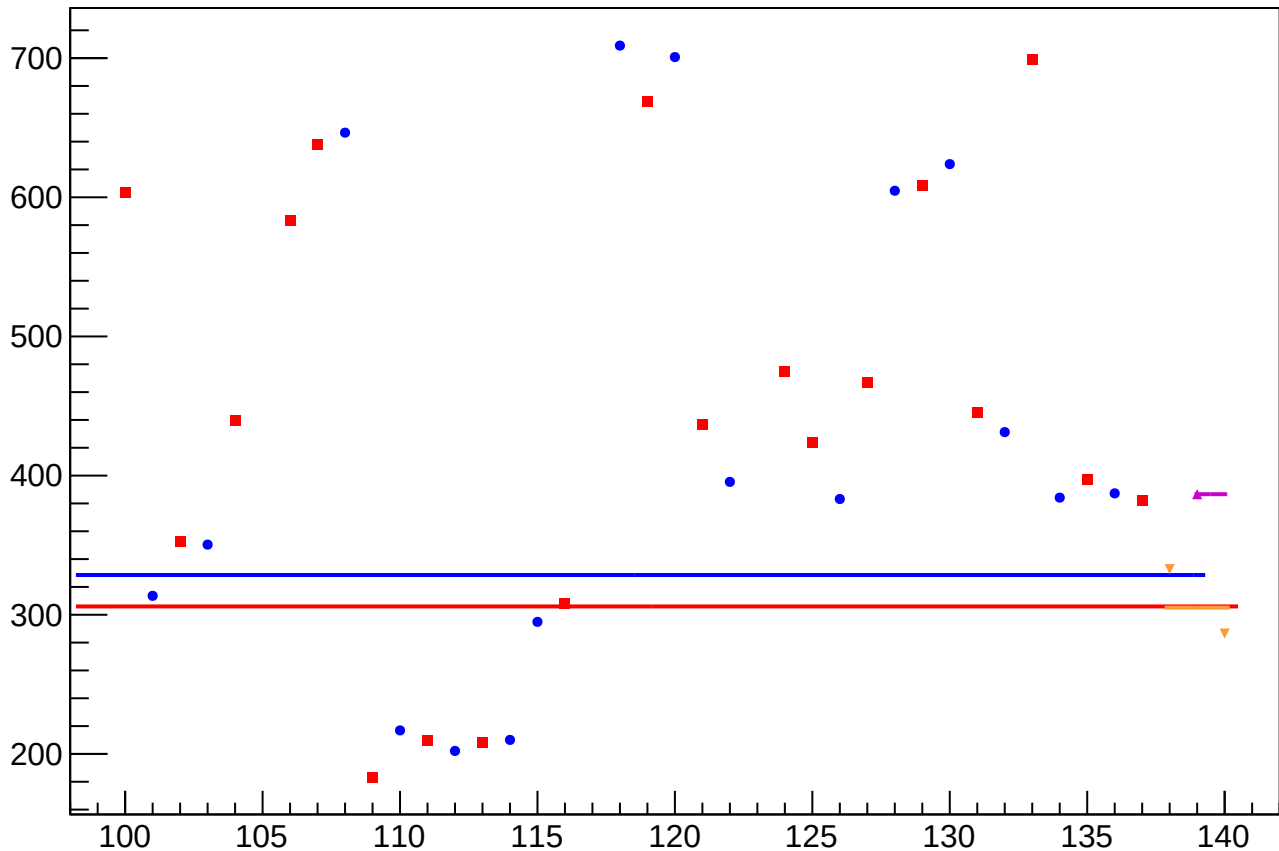
Left In: 517.815 ± 420.417 χ^2/NDF : 0.0/0

+ sign 165.253 ± 115.875 χ^2/NDF : 25.4/17

All: 240.416 ± 82.971 χ^2/NDF : 37.3/37

- sign 319.501 ± 118.861 χ^2/NDF : 11.1/19

asym_sam7_rms vs Slug



Right In: 328.567 $\pm$ 0.093 χ^2 /NDF: 1958873.4/15

Left Out: 305.129 $\pm$ 0.171 χ^2 /NDF:17531.7/1

Right Out: 305.988 $\pm$ 0.088 χ^2 /NDF: 2527463.5/18

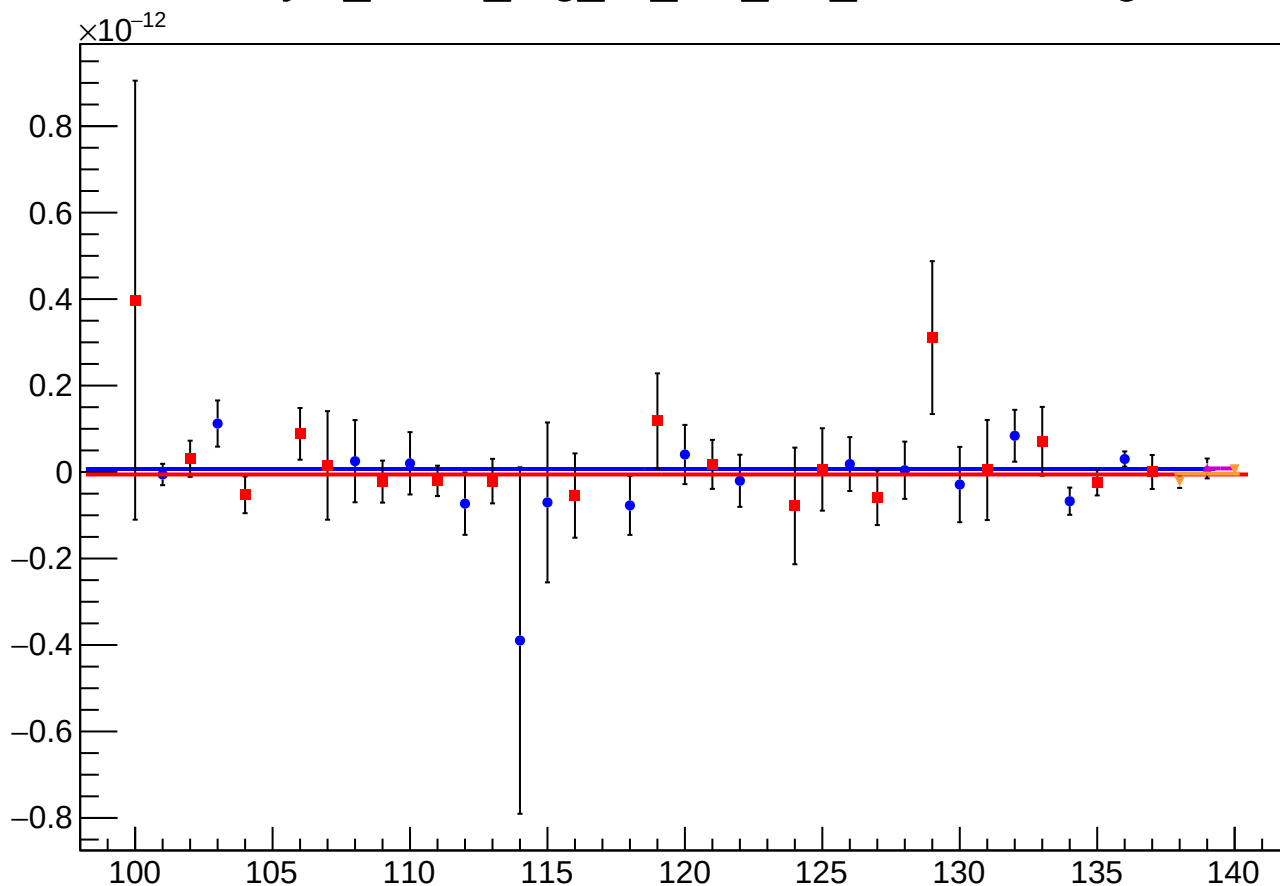
Left In: 386.648 $\pm$ 0.297 χ^2 /NDF:0.0/0

+ sign 323.210 $\pm$ 0.082 χ^2 /NDF: 1990831.4/17

All: 317.960 $\pm$ 0.059 χ^2 /NDF: 4594454.2/37

- sign 312.436 $\pm$ 0.084 χ^2 /NDF: 2595196.8/19

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.5/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.8/18

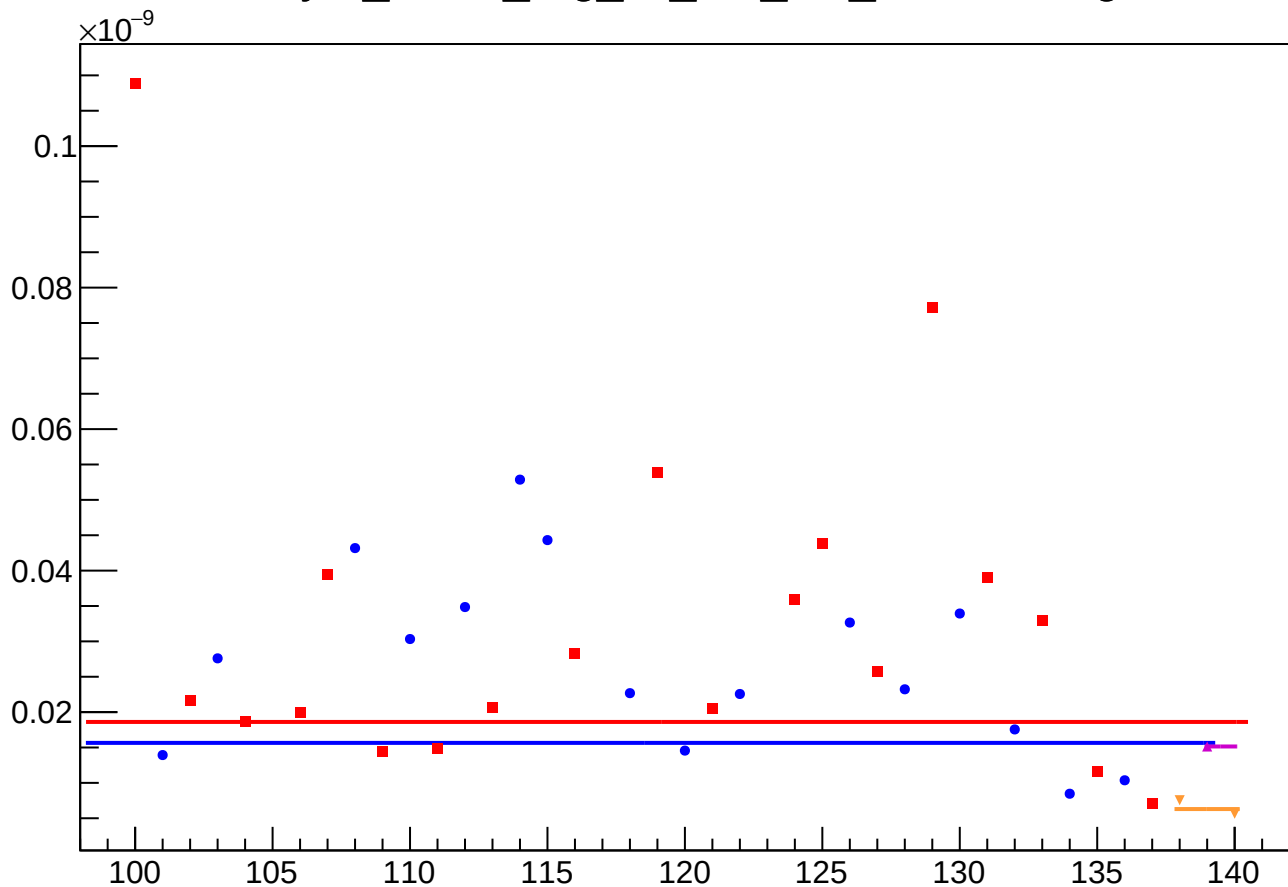
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.9/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/19

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 22616.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1228542.0/18

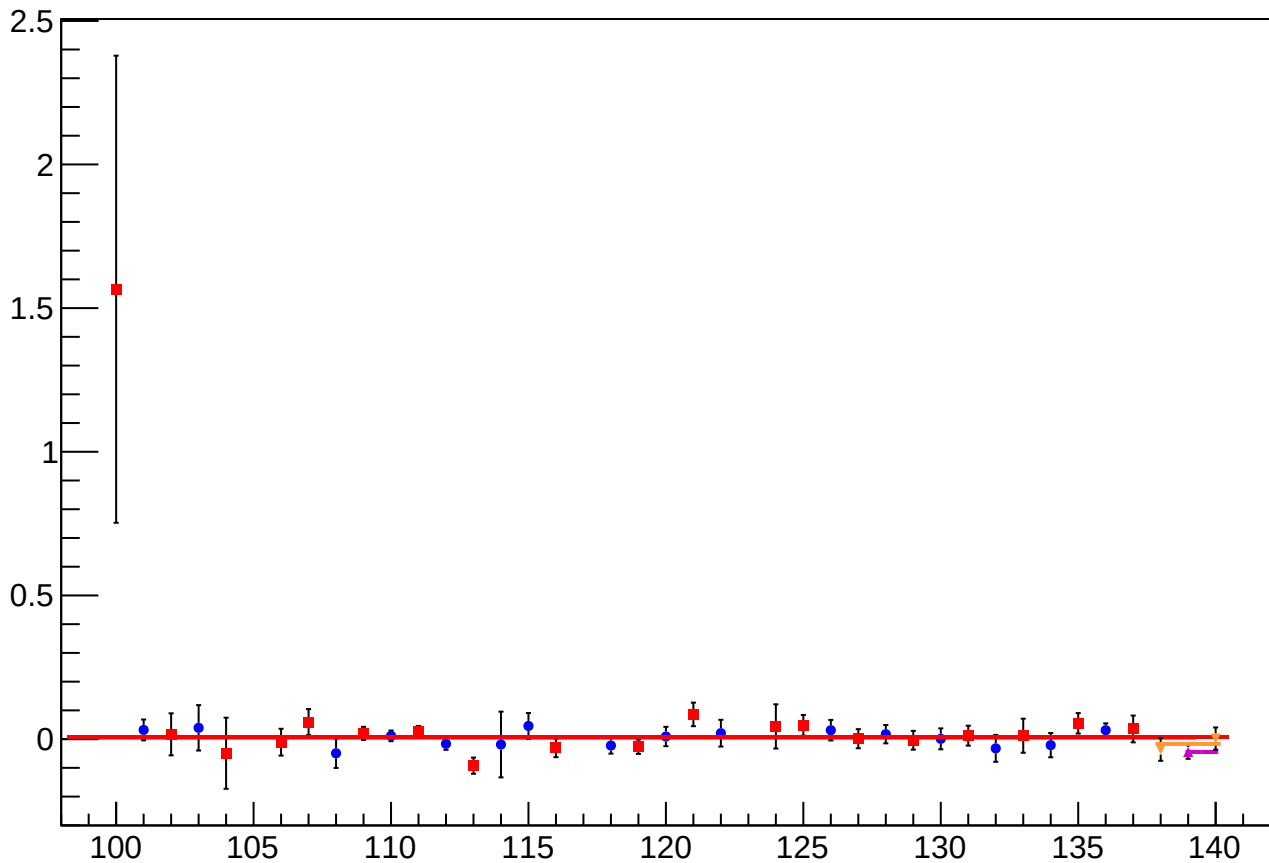
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2093524.4/17

All: 0.000+/-0.000 χ^2/NDF : 4095418.1/37

- sign 0.000+/-0.000 χ^2/NDF : 1263331.5/19

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 7.9/15

Left Out: -0.017 ± 0.028 χ^2/NDF : 0.5/1

Right Out: 0.007 ± 0.008 χ^2/NDF : 29.8/18

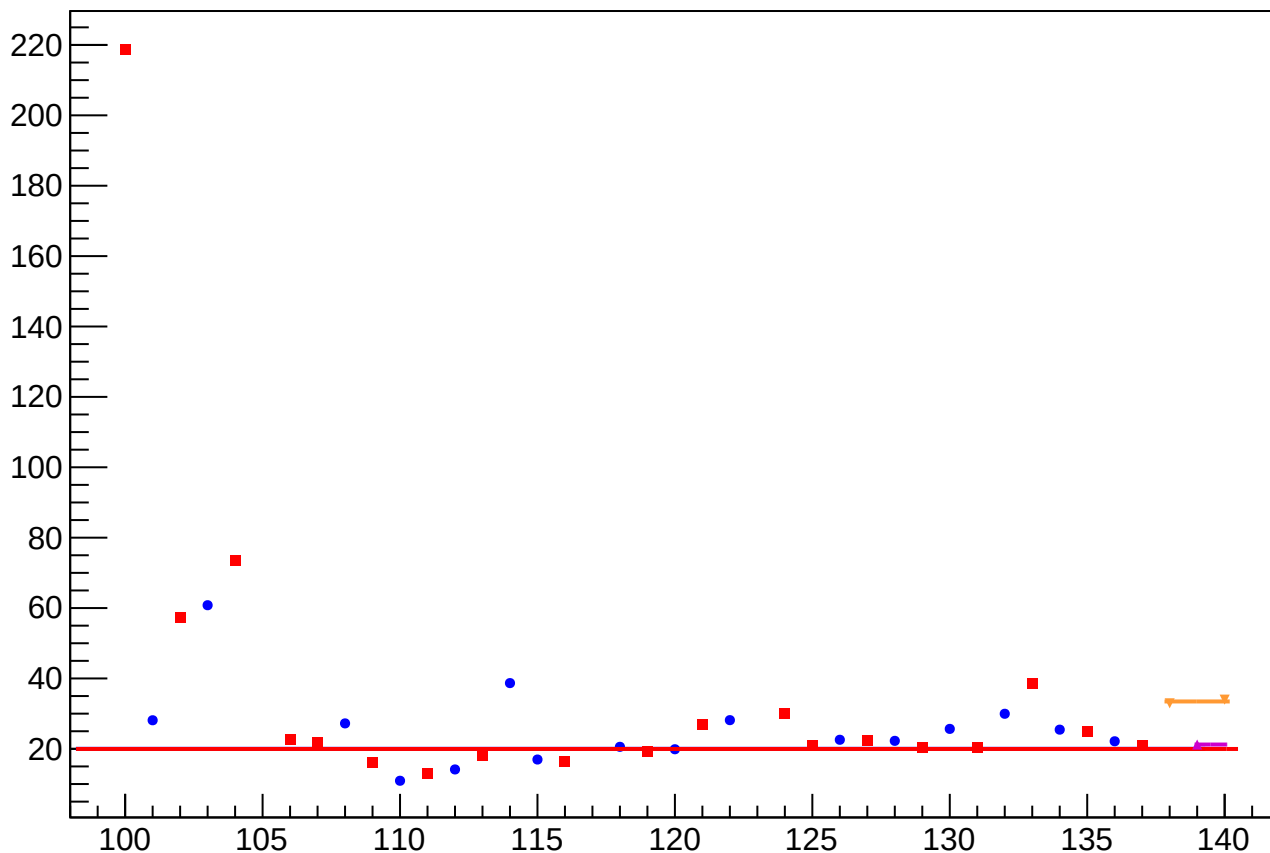
Left In: -0.045 ± 0.024 χ^2/NDF : 0.0/0

+ sign 0.004 ± 0.008 χ^2/NDF : 9.0/17

All: 0.003 ± 0.005 χ^2/NDF : 43.1/37

- sign 0.002 ± 0.008 χ^2/NDF : 34.1/19

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641371.9/15

Left Out: 33.462 $\pm$ 0.020 χ^2 /NDF: 716.4/1

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716895.2/18

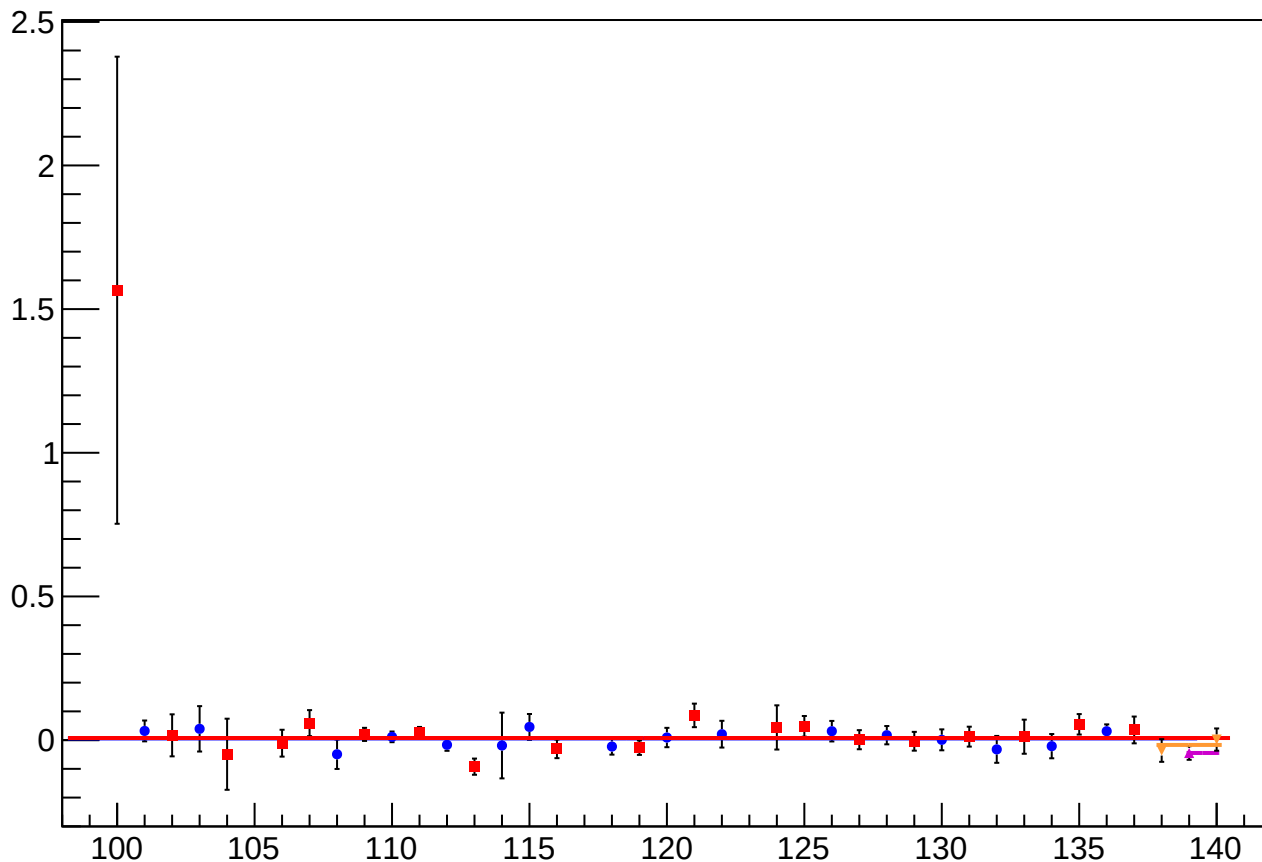
Left In: 21.221 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 21.082 $\pm$ 0.006 χ^2 /NDF: 2078968.1/17

All: 20.577 $\pm$ 0.004 χ^2 /NDF: 3817167.7/37

- sign 20.093 $\pm$ 0.005 χ^2 /NDF: 1721906.1/19

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: -0.017 $\pm$ 0.028 χ^2 /NDF: 0.5/1

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

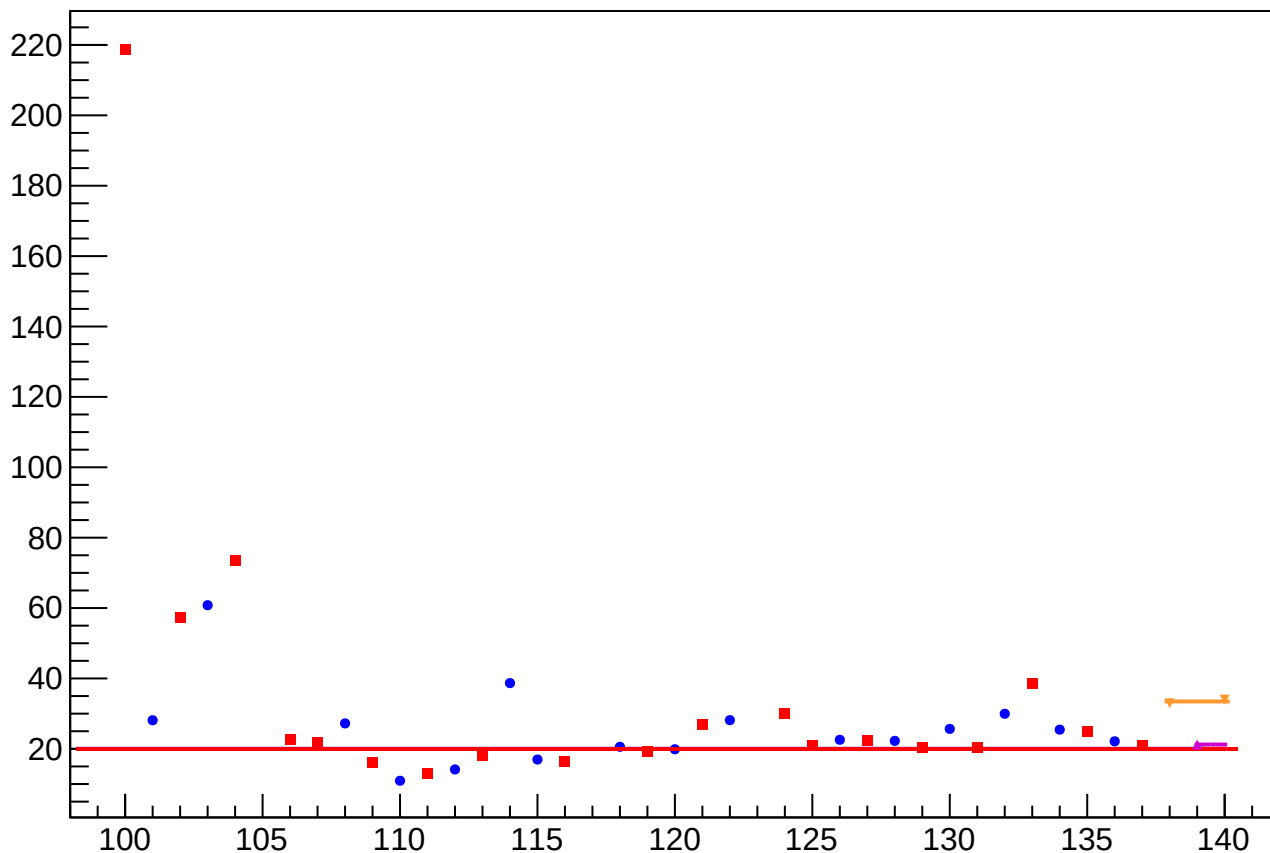
Left In: -0.045 $\pm$ 0.024 χ^2 /NDF: 0.0/0

+ sign 0.004 $\pm$ 0.008 χ^2 /NDF: 9.0/17

All: 0.003 $\pm$ 0.005 χ^2 /NDF: 43.1/37

- sign 0.002 $\pm$ 0.008 χ^2 /NDF: 34.1/19

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641371.9/15

Left Out: 33.462 $\pm$ 0.020 χ^2 /NDF: 716.4/1

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716895.2/18

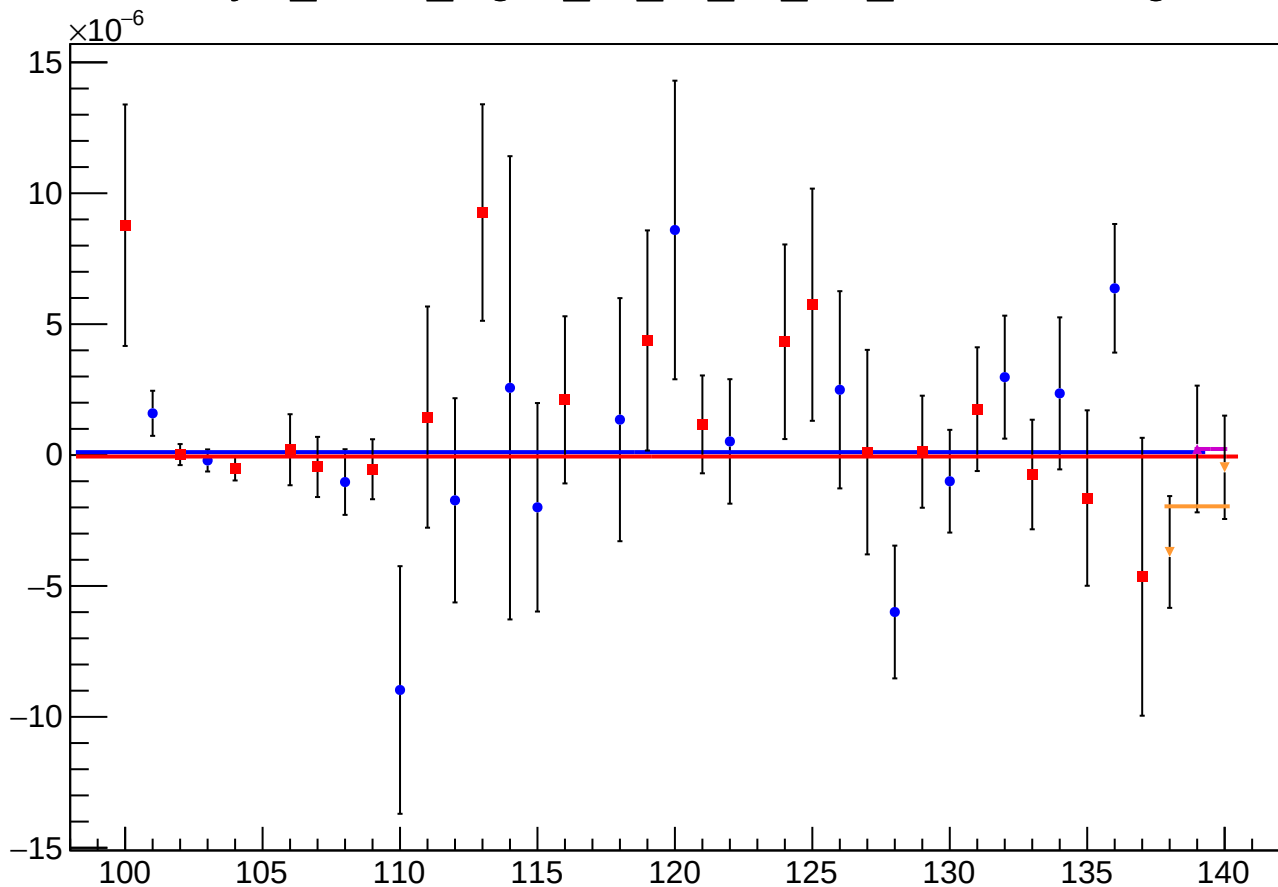
Left In: 21.221 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 21.082 $\pm$ 0.006 χ^2 /NDF: 2078968.1/17

All: 20.577 $\pm$ 0.004 χ^2 /NDF: 3817167.7/37

- sign 20.093 $\pm$ 0.005 χ^2 /NDF: 1721906.1/19

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.2/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.1/18

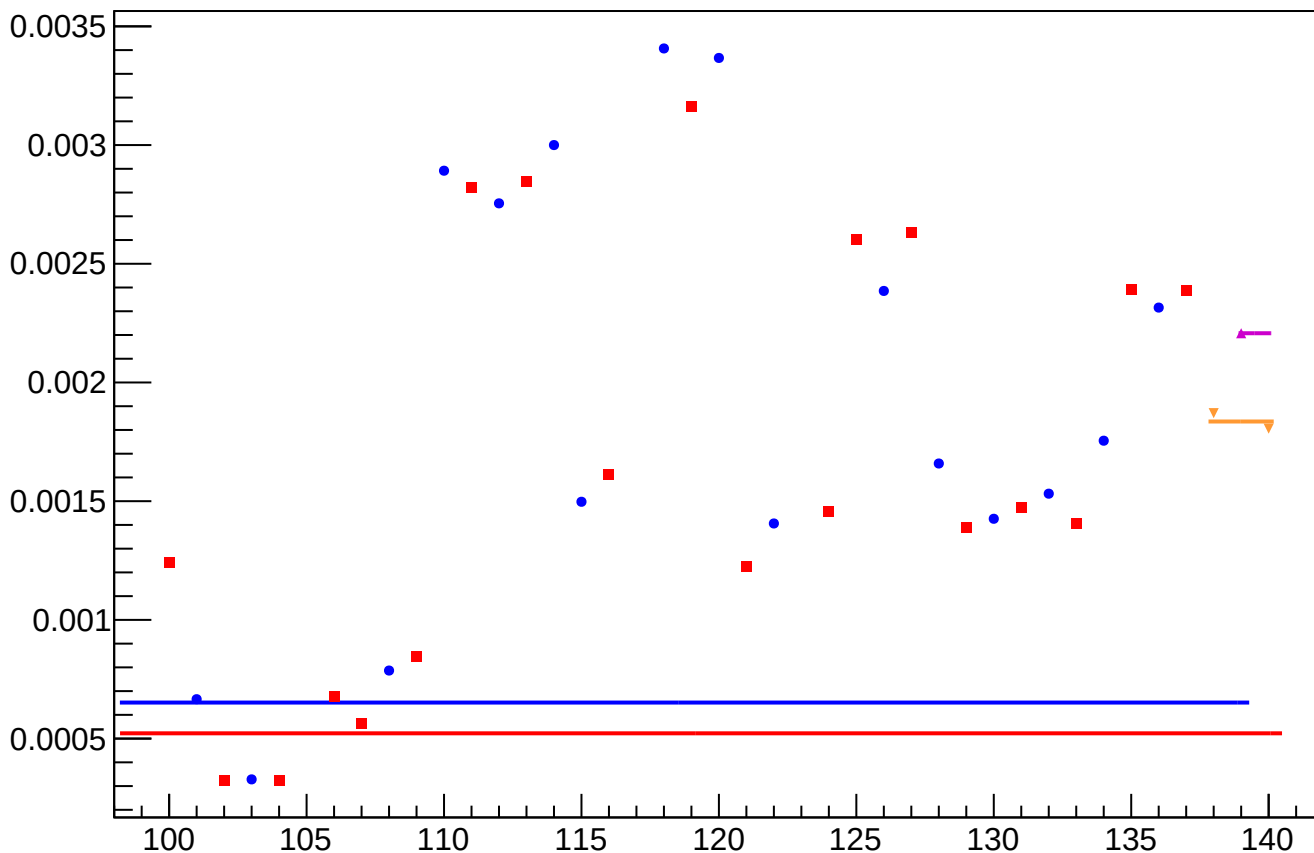
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 29.2/17

All: -0.000 ± 0.000 χ^2/NDF : 46.4/37

- sign -0.000 ± 0.000 χ^2/NDF : 17.1/19

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 :1005.5/1

Right Out: 0.001+/-0.000 χ^2/NDF : 6676790.5/18

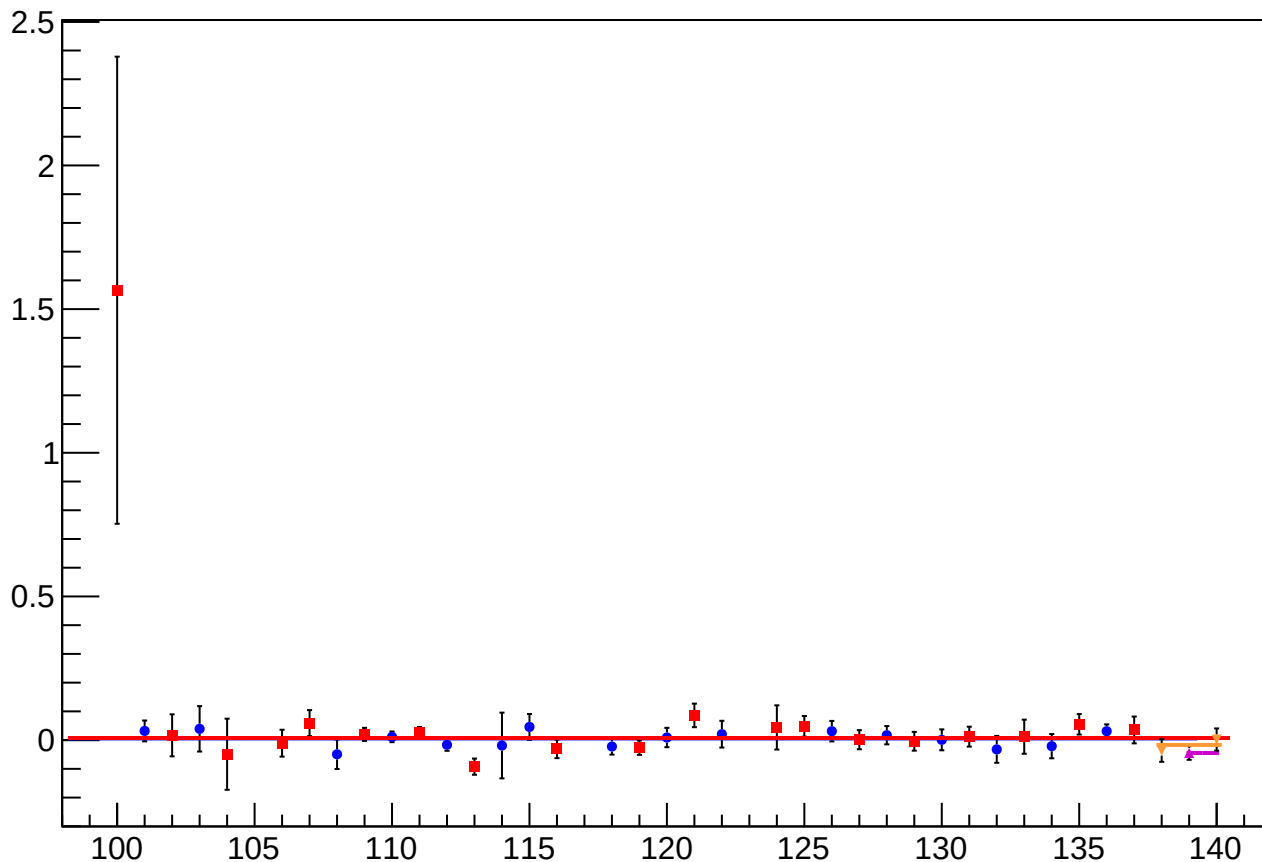
Left In: 0.002+/-0.000 χ^2/NDF :0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 7625506.4/17

All: 0.001+/-0.000 χ^2/NDF : 15595002.7/37

- sign 0.001+/-0.000 χ^2/NDF : 7635451.5/19

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: -0.017 $\pm$ 0.028 χ^2 /NDF: 0.5/1

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

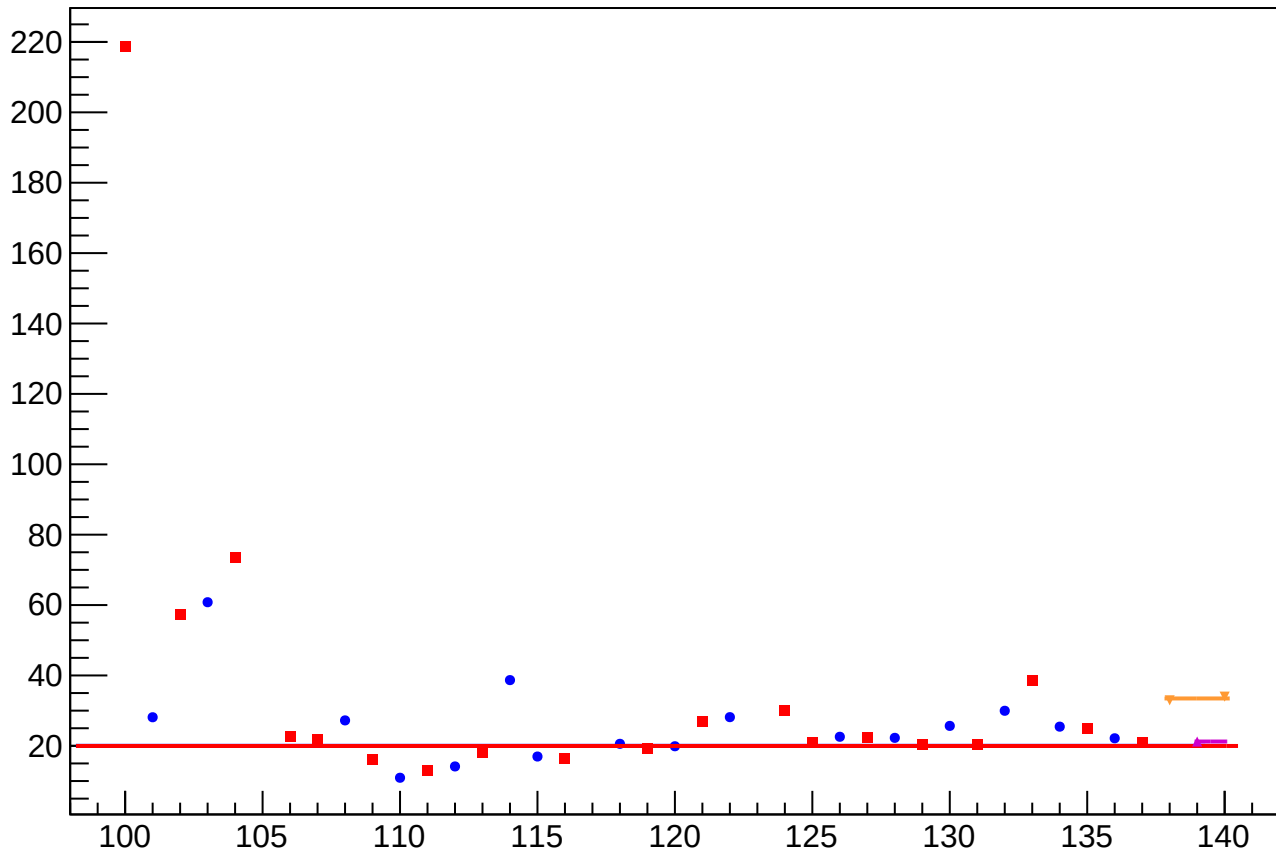
Left In: -0.045 $\pm$ 0.024 χ^2 /NDF: 0.0/0

+ sign 0.004 $\pm$ 0.008 χ^2 /NDF: 9.0/17

All: 0.003 $\pm$ 0.005 χ^2 /NDF: 43.1/37

- sign 0.002 $\pm$ 0.008 χ^2 /NDF: 34.1/19

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641197.3/15

Left Out: 33.462 $\pm$ 0.020 χ^2 /NDF: 716.8/1

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716830.0/18

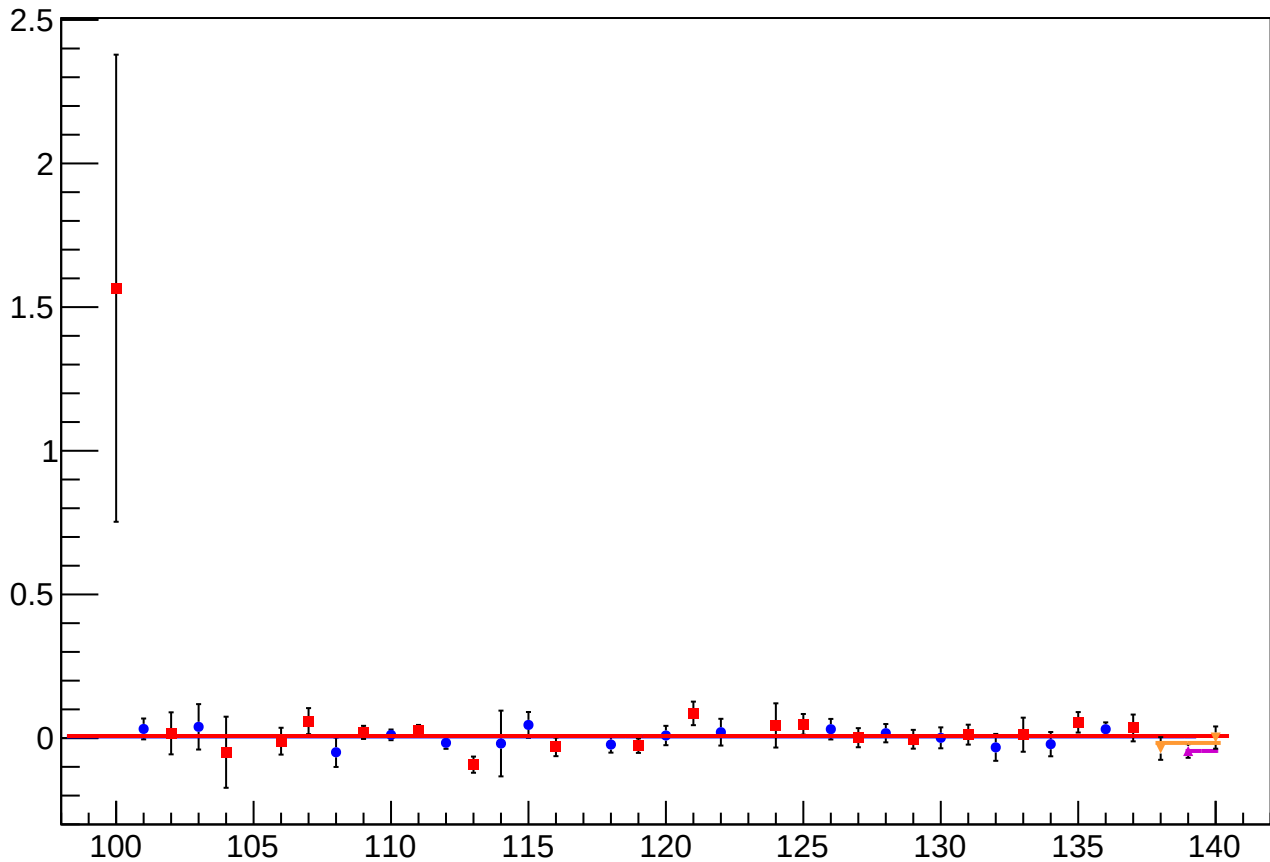
Left In: 21.220 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 21.083 $\pm$ 0.006 χ^2 /NDF: 2078761.6/17

All: 20.577 $\pm$ 0.004 χ^2 /NDF: 3816905.8/37

- sign 20.093 $\pm$ 0.005 χ^2 /NDF: 1721839.3/19

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: -0.017 $\pm$ 0.028 χ^2 /NDF: 0.5/1

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

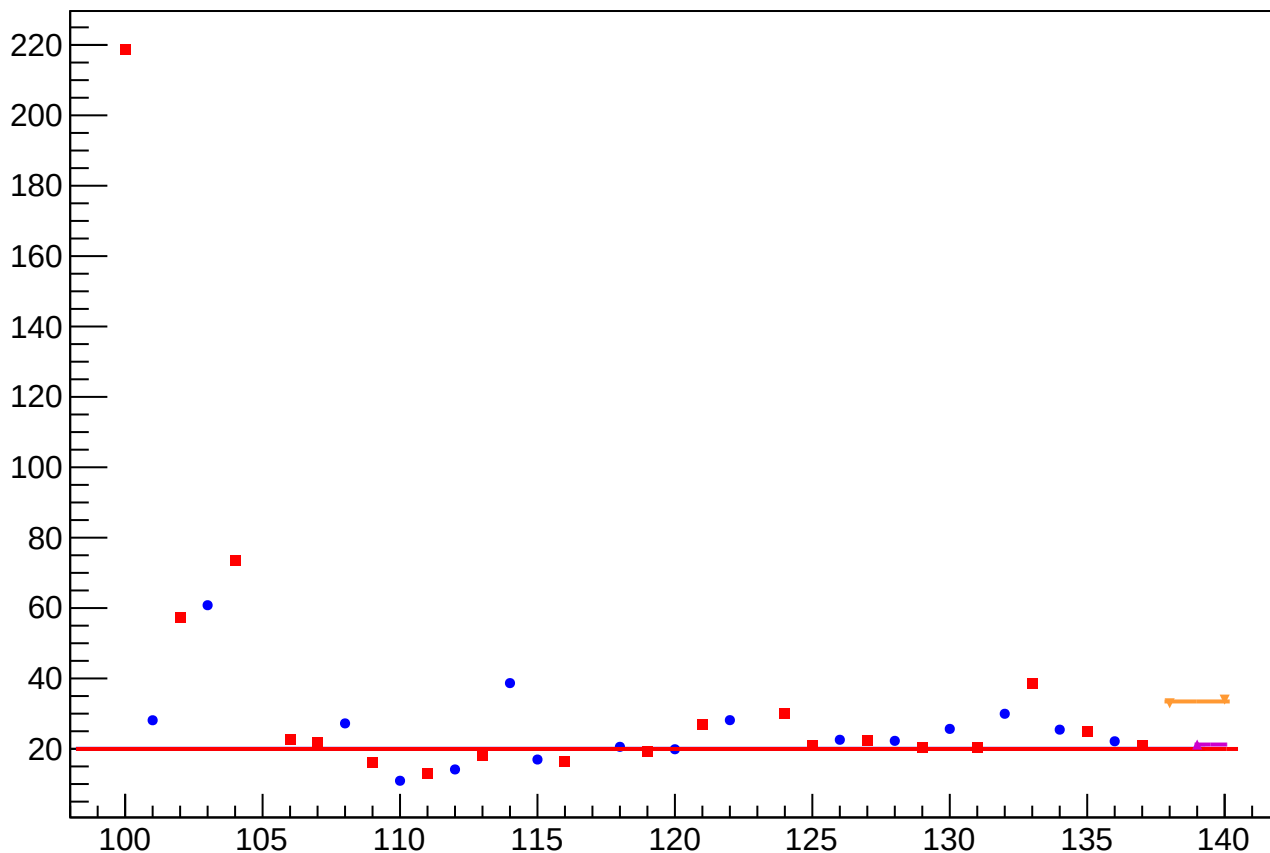
Left In: -0.045 $\pm$ 0.024 χ^2 /NDF: 0.0/0

+ sign 0.004 $\pm$ 0.008 χ^2 /NDF: 9.0/17

All: 0.003 $\pm$ 0.005 χ^2 /NDF: 43.1/37

- sign 0.002 $\pm$ 0.008 χ^2 /NDF: 34.1/19

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: 33.462+/-0.020 χ^2/NDF : 716.8/1

Right Out: 19.963+/-0.006 χ^2/NDF : 1716830.0/18

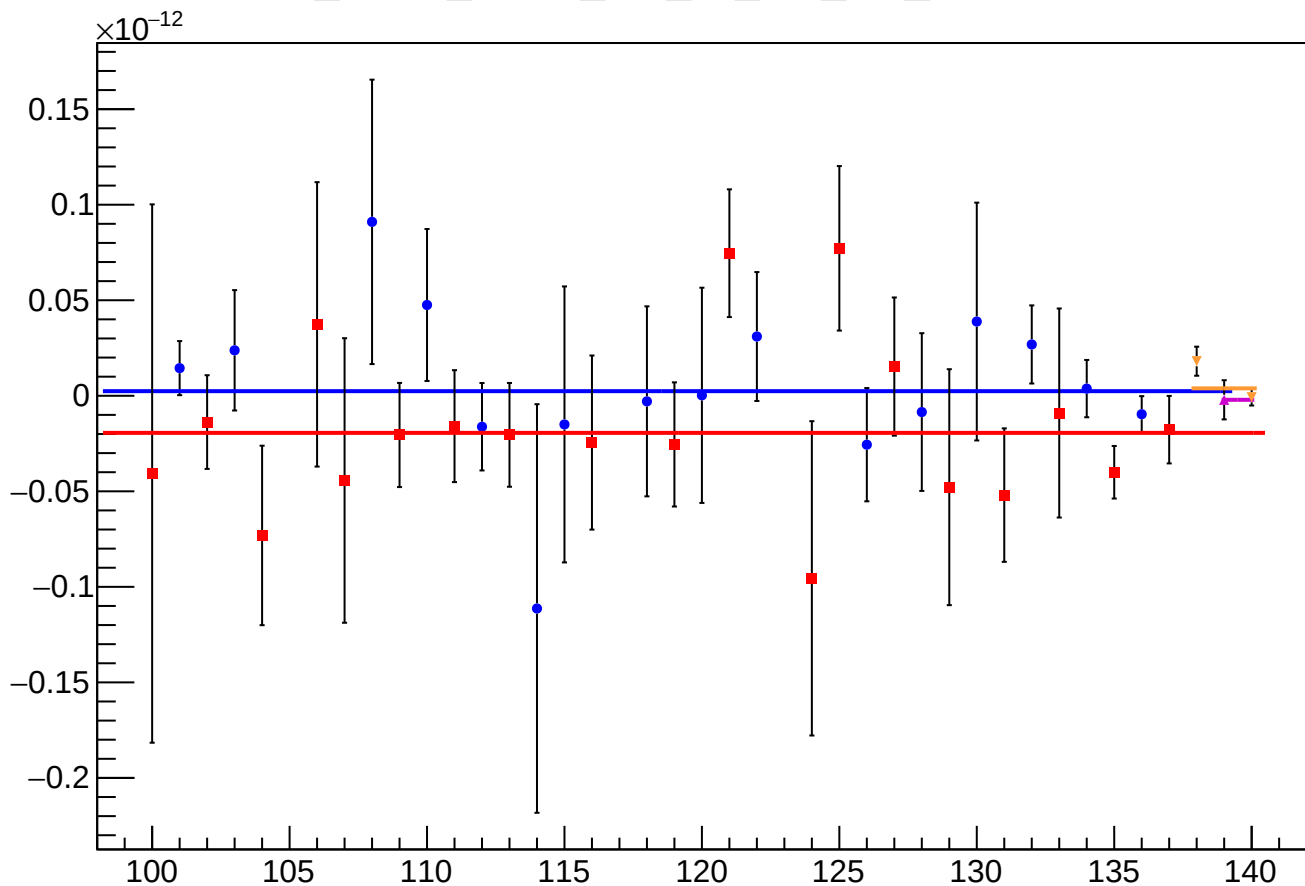
Left In: 21.220+/-0.017 χ^2/NDF : 0.0/0

+ sign 21.083+/-0.006 χ^2/NDF : 2078761.6/17

All: 20.577+/-0.004 χ^2/NDF : 3816905.8/37

- sign 20.093+/-0.005 χ^2/NDF : 1721839.3/19

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 : 4.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.2/18

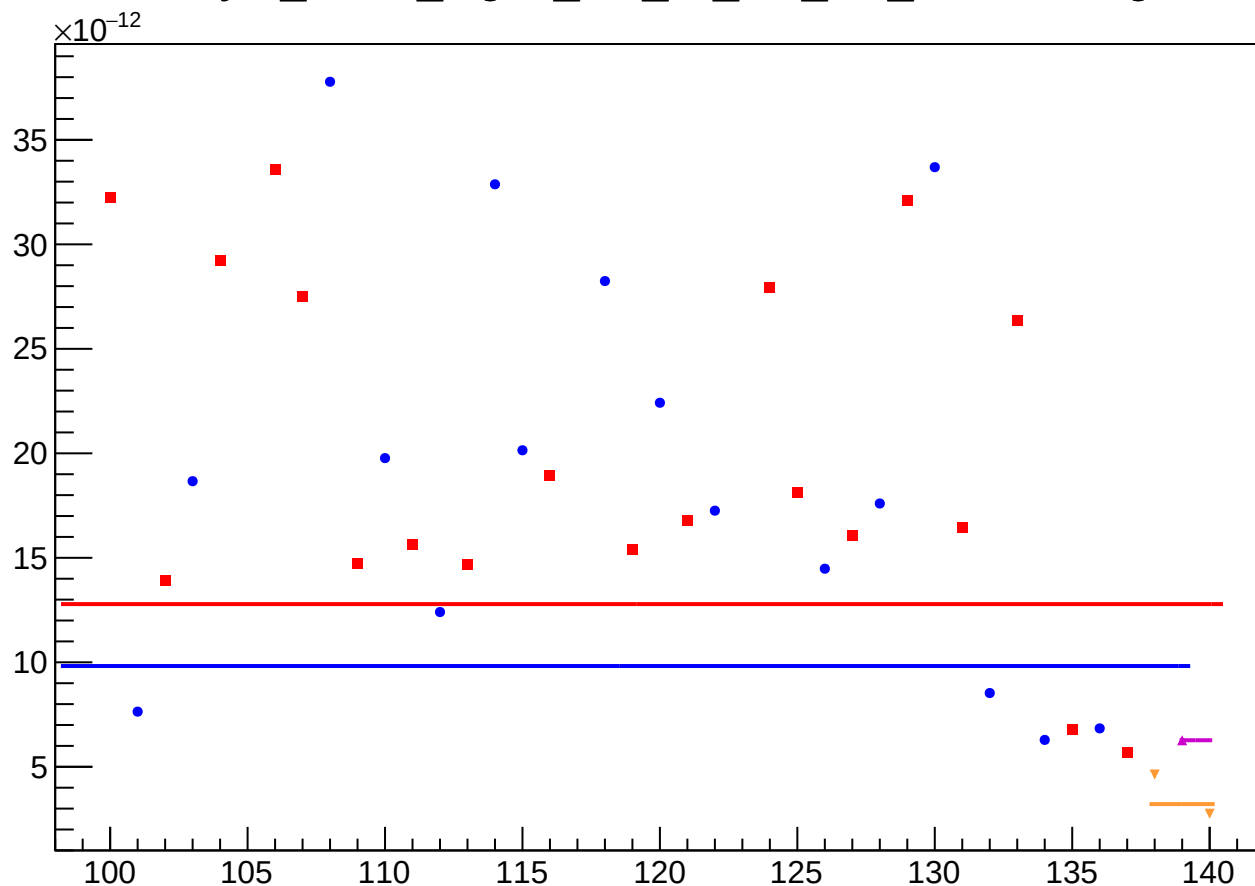
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 15.5/17

All: -0.000 ± 0.000 χ^2/NDF : 44.5/37

- sign -0.000 ± 0.000 χ^2/NDF : 22.2/19

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 91539.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1798852.4/18

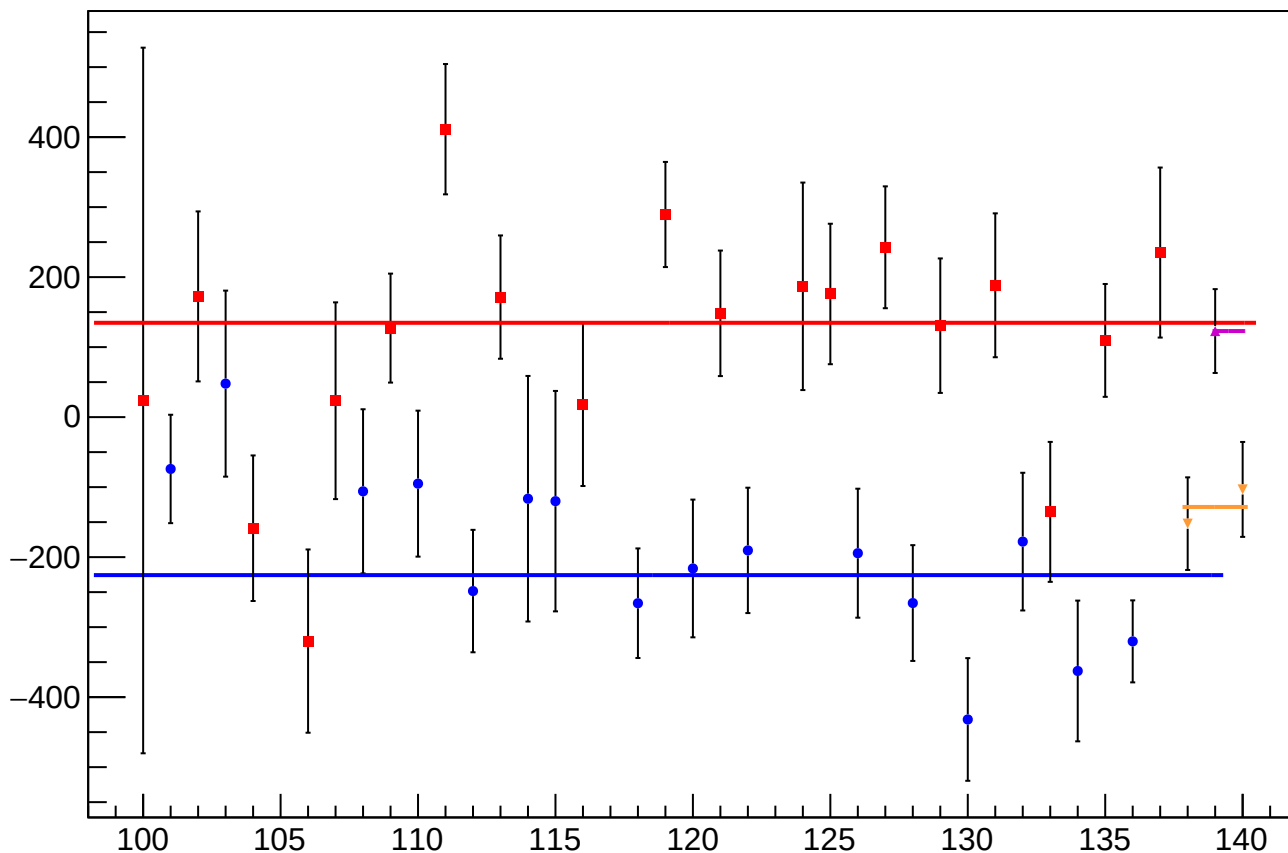
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3931519.9/17

All: 0.000+/-0.000 χ^2/NDF : 7647390.9/37

- sign 0.000+/-0.000 χ^2/NDF : 2346410.6/19

reg_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -128.323 ± 47.350 χ^2/NDF : 0.3/1

Right Out: 134.762 ± 23.192 χ^2/NDF : 45.3/18

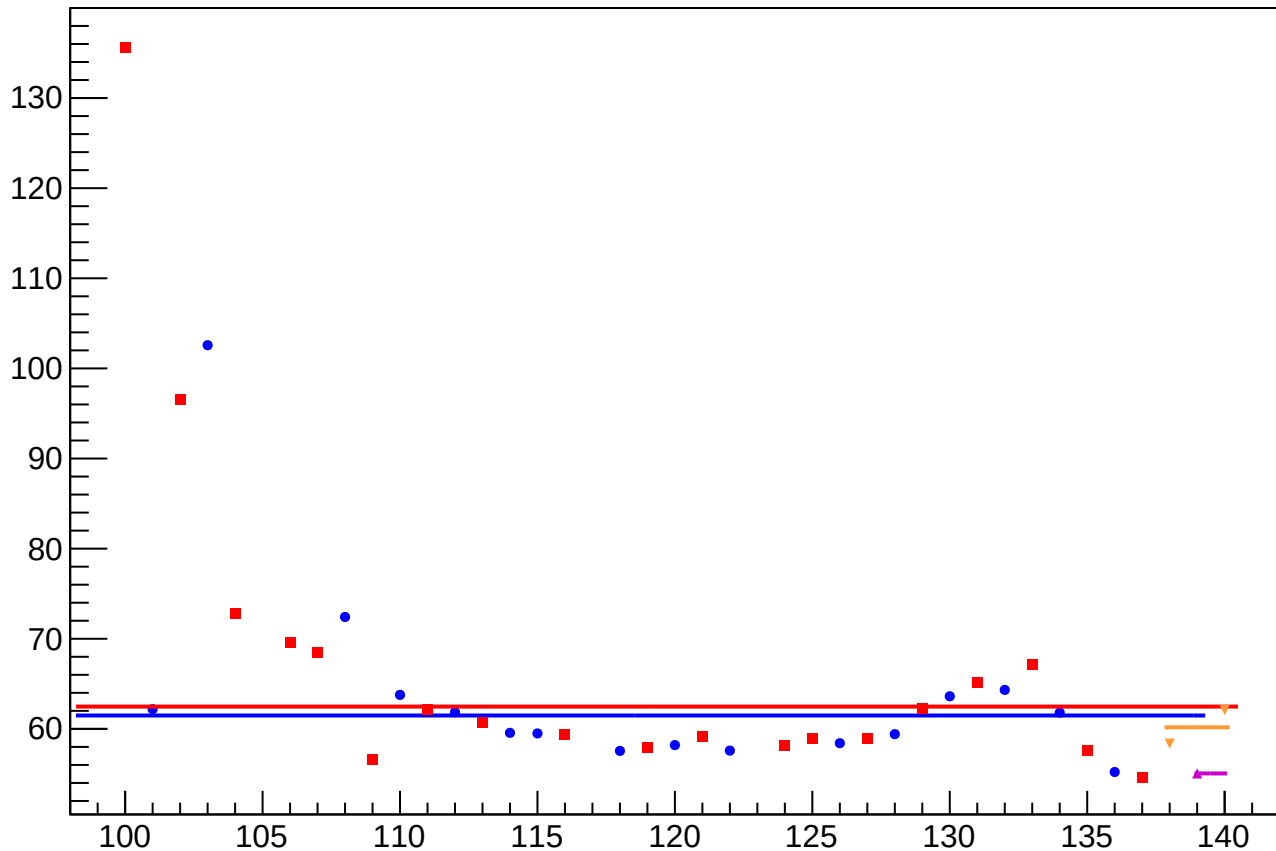
Left In: 122.965 ± 59.892 χ^2/NDF : 0.0/0

+ sign -206.949 ± 20.775 χ^2/NDF : 26.3/17

All: -43.697 ± 14.982 χ^2/NDF : 200.3/37

- sign 133.224 ± 21.627 χ^2/NDF : 45.3/19

reg_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250669.2/15

Left Out: 60.176 $\pm$ 0.033 χ^2 /NDF:3089.7/1

Right Out: 62.476 $\pm$ 0.016 χ^2 /NDF: 281148.3/18

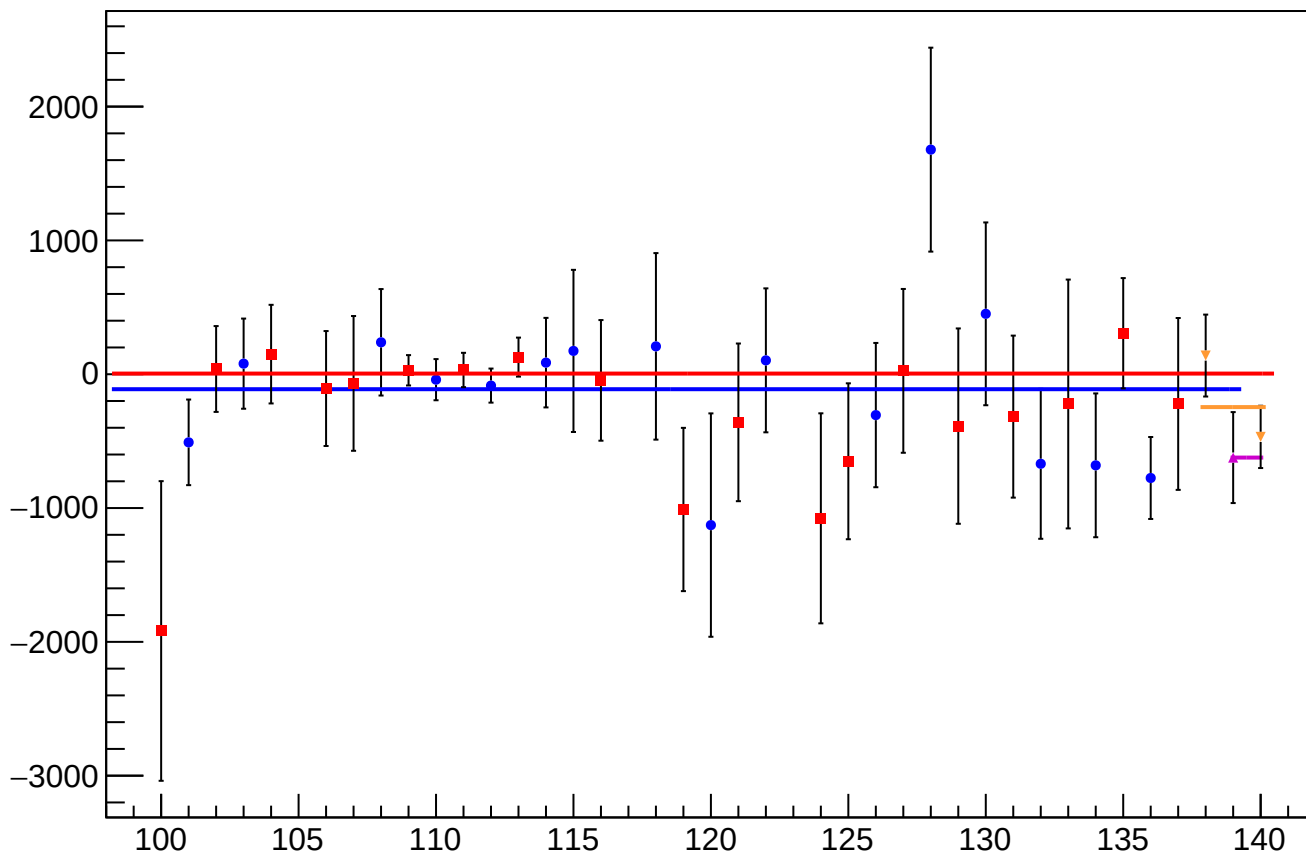
Left In: 55.055 $\pm$ 0.042 χ^2 /NDF:0.0/0

+ sign 61.234 $\pm$ 0.015 χ^2 /NDF: 254995.2/17

All: 61.365 $\pm$ 0.011 χ^2 /NDF: 563008.4/37

- sign 61.508 $\pm$ 0.015 χ^2 /NDF: 307845.7/19

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF : 18.5/15

Left Out: -245.550+/-185.293 χ^2/NDF : 2.5/1

Right Out: 4.893+/-63.933 χ^2/NDF : 11.6/18

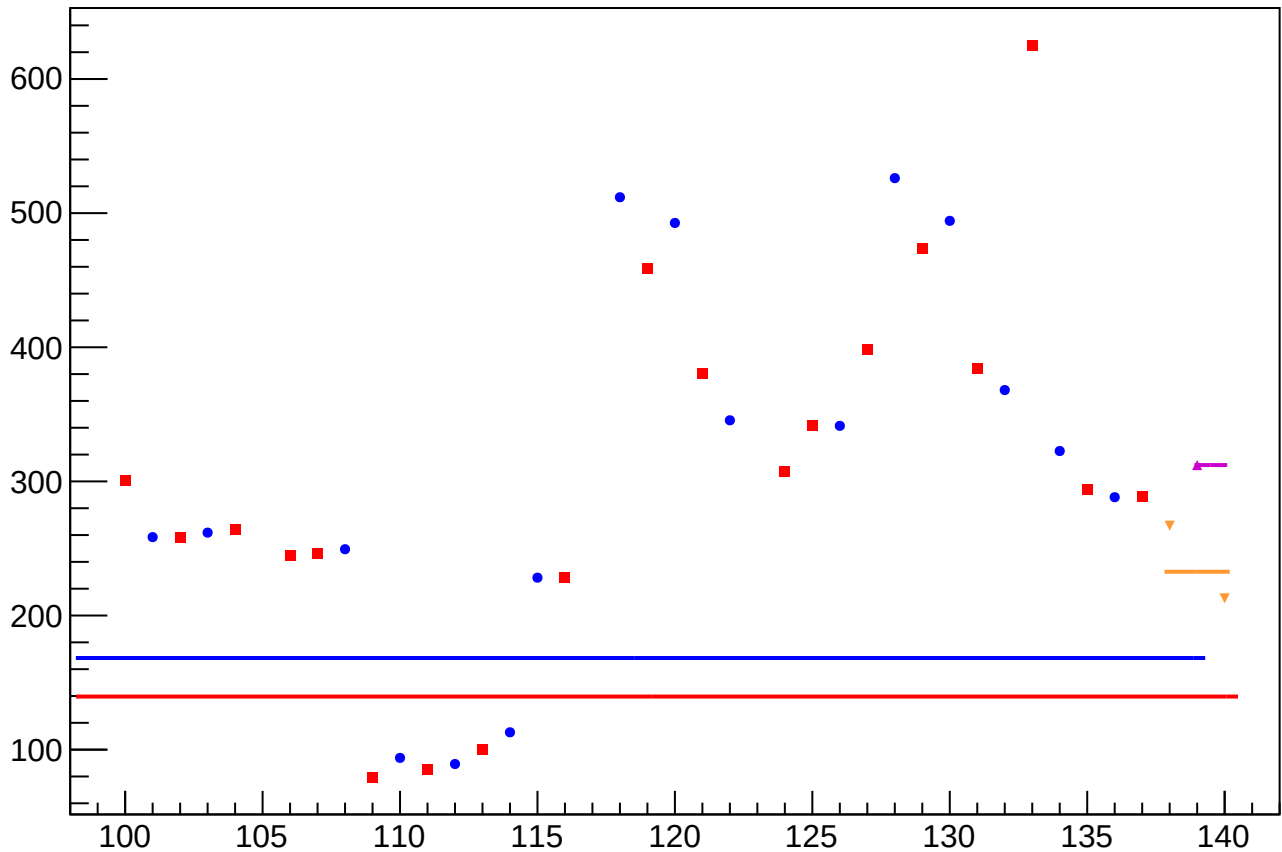
Left In: -622.875+/-339.870 χ^2/NDF : 0.0/0

+ sign -131.225+/-70.483 χ^2/NDF : 21.4/17

All: -67.333+/-46.901 χ^2/NDF : 37.8/37

- sign -16.561+/-62.831 χ^2/NDF : 14.9/19

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544046.8/15

Left Out: 232.648+/-0.131 χ^2/NDF : 39649.1/1

Right Out: 139.594+/-0.045 χ^2/NDF : 5154153.5/18

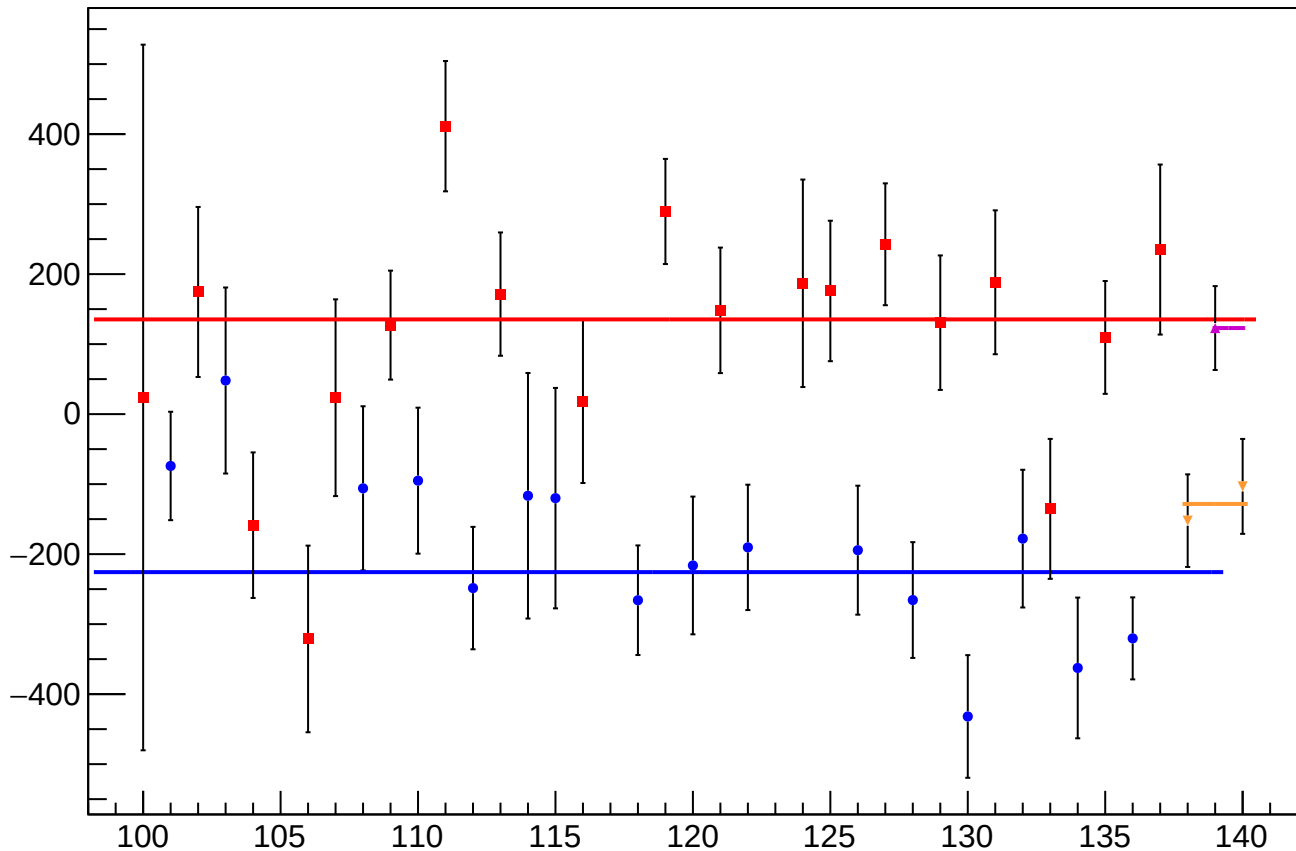
Left In: 312.186+/-0.240 χ^2/NDF : 0.0/0

+ sign 177.636+/-0.050 χ^2/NDF : 4789809.6/17

All: 159.725+/-0.033 χ^2/NDF : 10673882.1/37

- sign 145.492+/-0.044 χ^2/NDF : 5652287.9/19

cor_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -128.312 ± 47.350 χ^2/NDF : 0.3/1

Right Out: 135.311 ± 23.205 χ^2/NDF : 44.9/18

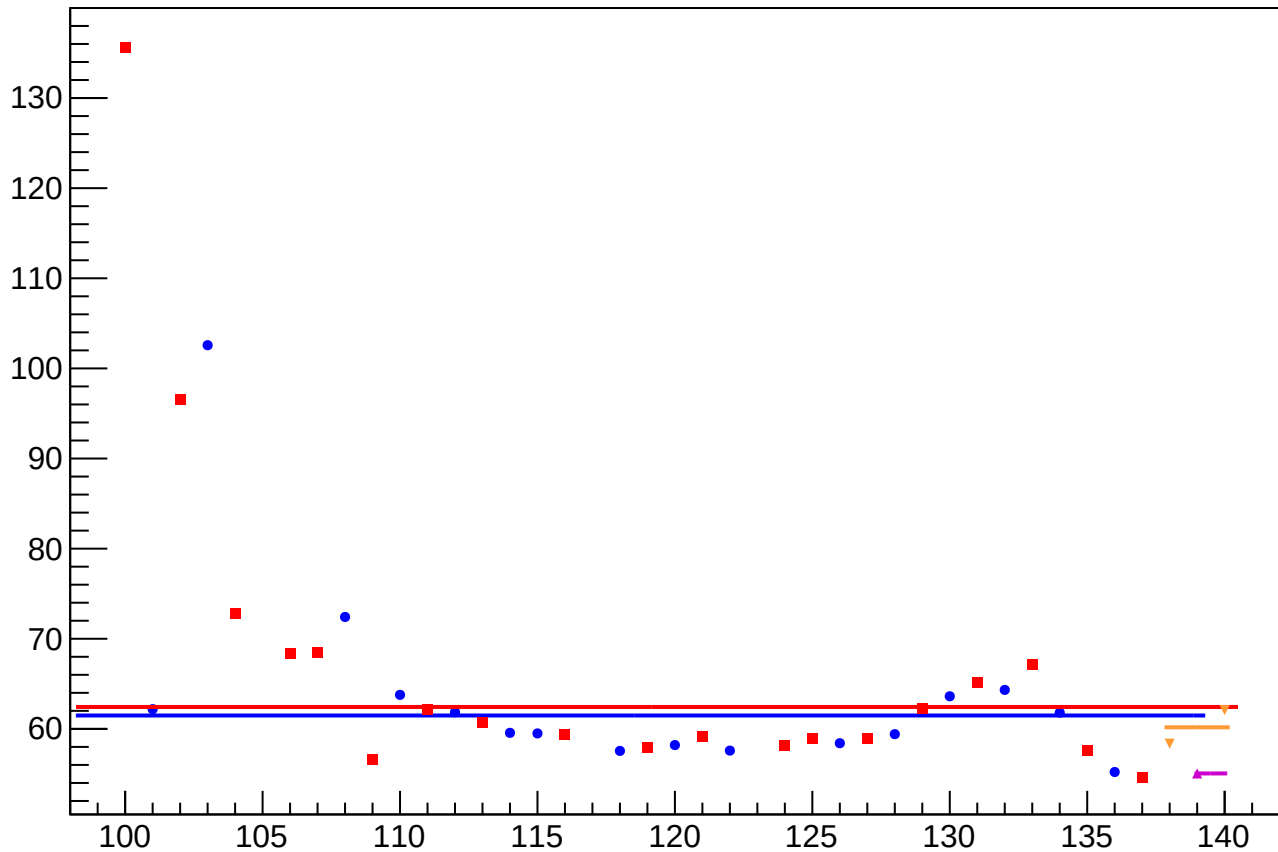
Left In: 122.964 ± 59.892 χ^2/NDF : 0.0/0

+ sign -206.947 ± 20.775 χ^2/NDF : 26.3/17

All: -43.554 ± 14.986 χ^2/NDF : 200.2/37

- sign 133.699 ± 21.638 χ^2/NDF : 44.9/19

cor_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250671.7/15

Left Out: 60.176 $\pm$ 0.033 χ^2 /NDF: 3089.7/1

Right Out: 62.433 $\pm$ 0.016 χ^2 /NDF: 279408.8/18

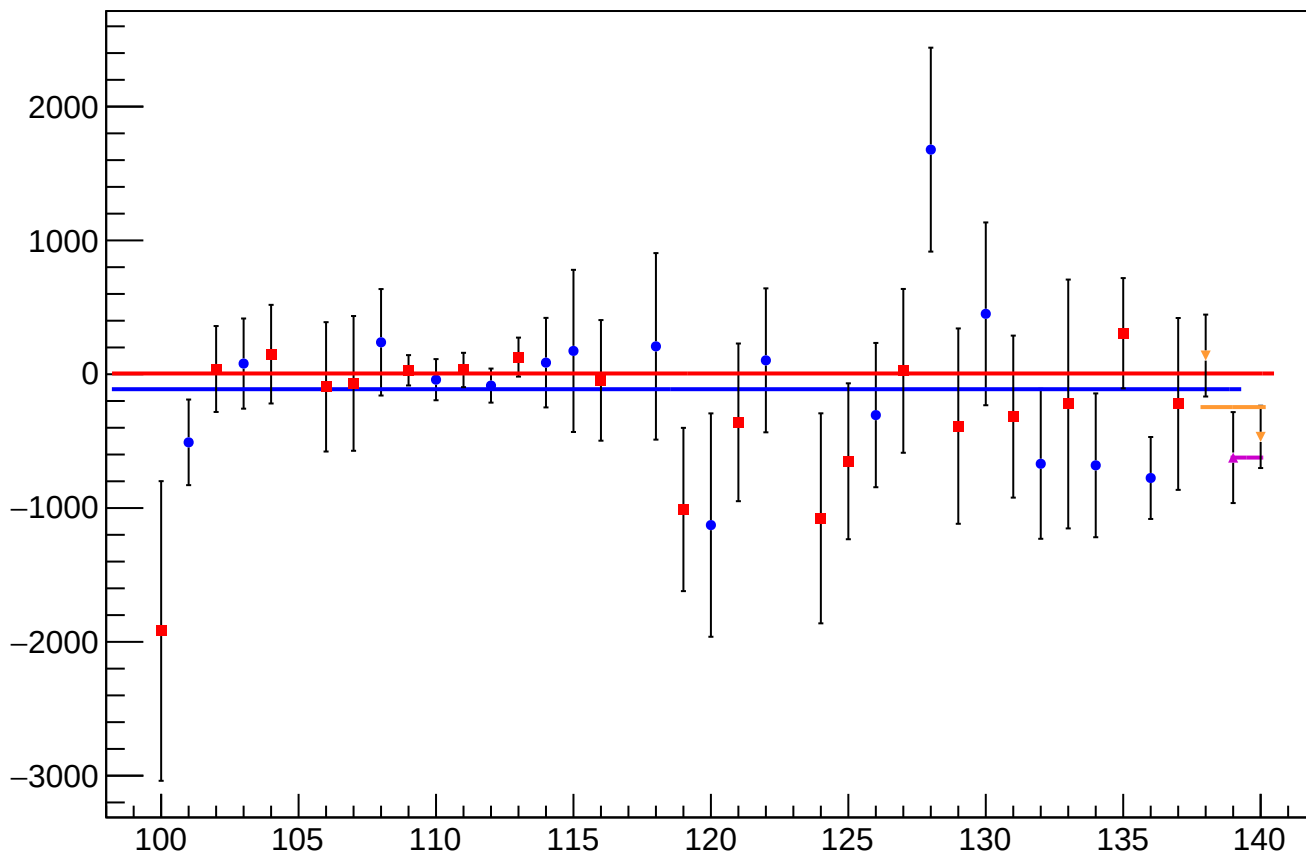
Left In: 55.055 $\pm$ 0.042 χ^2 /NDF: 0.0/0

+ sign 61.234 $\pm$ 0.015 χ^2 /NDF: 254997.7/17

All: 61.347 $\pm$ 0.011 χ^2 /NDF: 560914.7/37

- sign 61.470 $\pm$ 0.015 χ^2 /NDF: 305793.1/19

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF : 18.5/15

Left Out: -245.543+/-185.292 χ^2/NDF : 2.5/1

Right Out: 5.616+/-64.085 χ^2/NDF : 11.6/18

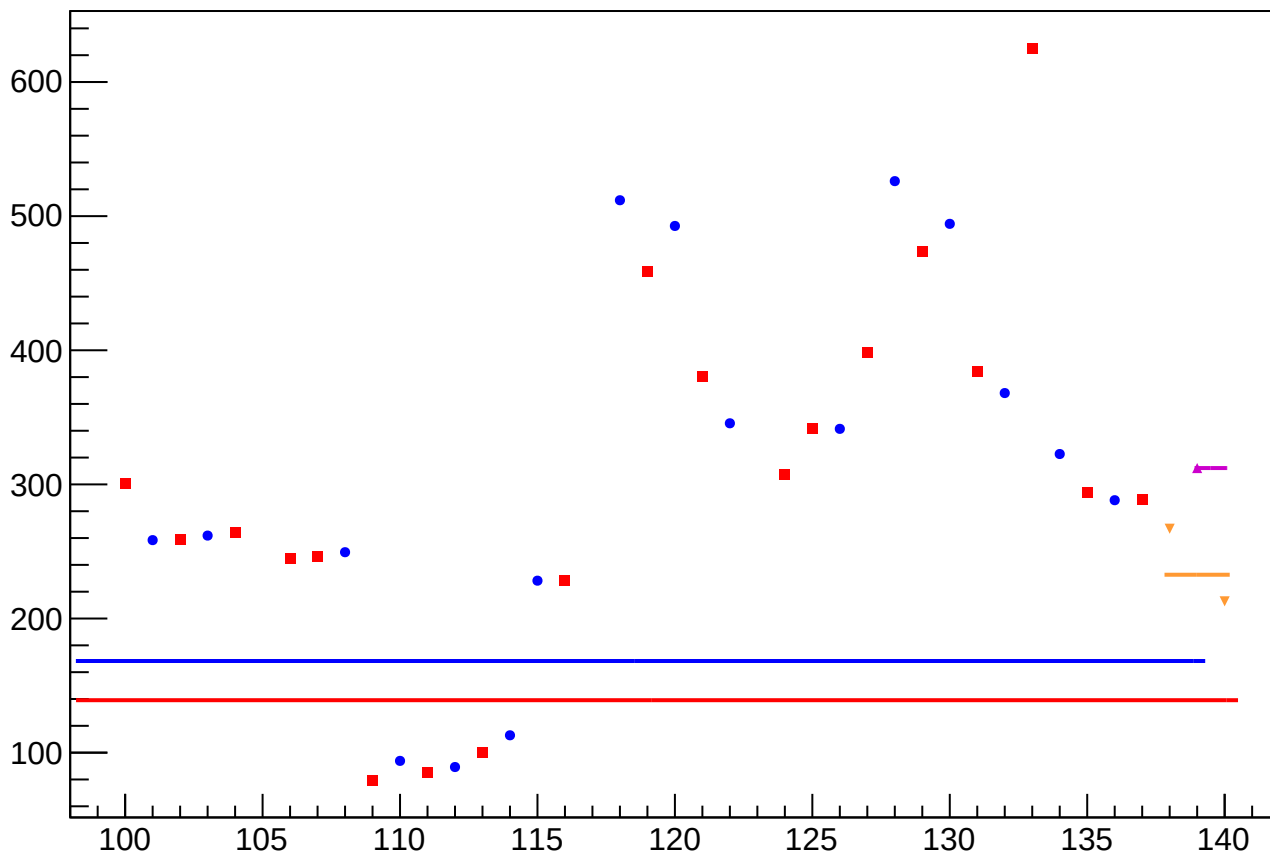
Left In: -622.872+/-339.870 χ^2/NDF : 0.0/0

+ sign -131.209+/-70.484 χ^2/NDF : 21.4/17

All: -67.122+/-46.961 χ^2/NDF : 37.8/37

- sign -15.962+/-62.975 χ^2/NDF : 14.9/19

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF : 39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

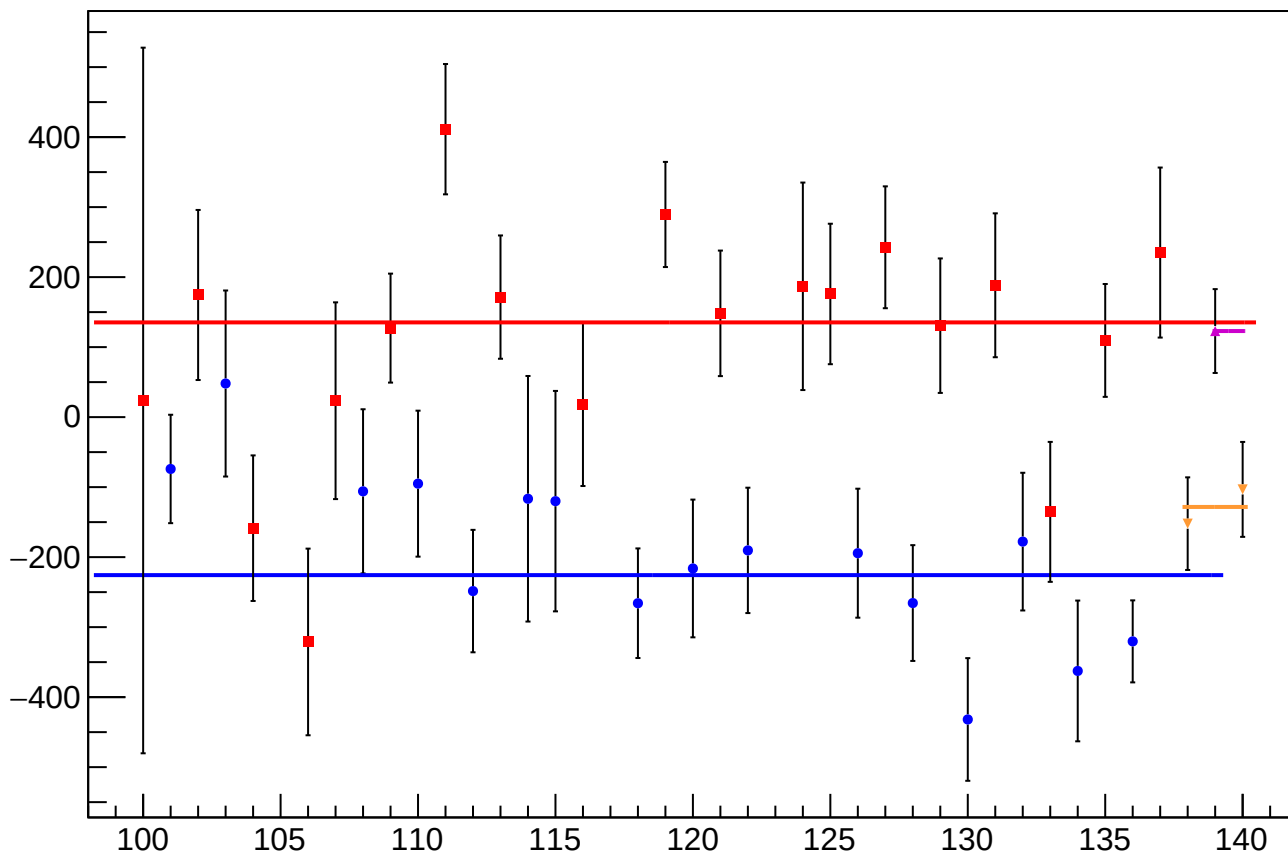
Left In: 312.186+/-0.240 χ^2/NDF : 0.0/0

+ sign 177.636+/-0.050 χ^2/NDF : 4789857.6/17

All: 159.514+/-0.033 χ^2/NDF : 10658511.4/37

- sign 145.047+/-0.045 χ^2/NDF : 5630890.6/19

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692 $\pm$ 23.118 χ^2 /NDF: 22.6/15

Left Out: -128.312 $\pm$ 47.350 χ^2 /NDF: 0.3/1

Right Out: 135.311 $\pm$ 23.205 χ^2 /NDF: 44.9/18

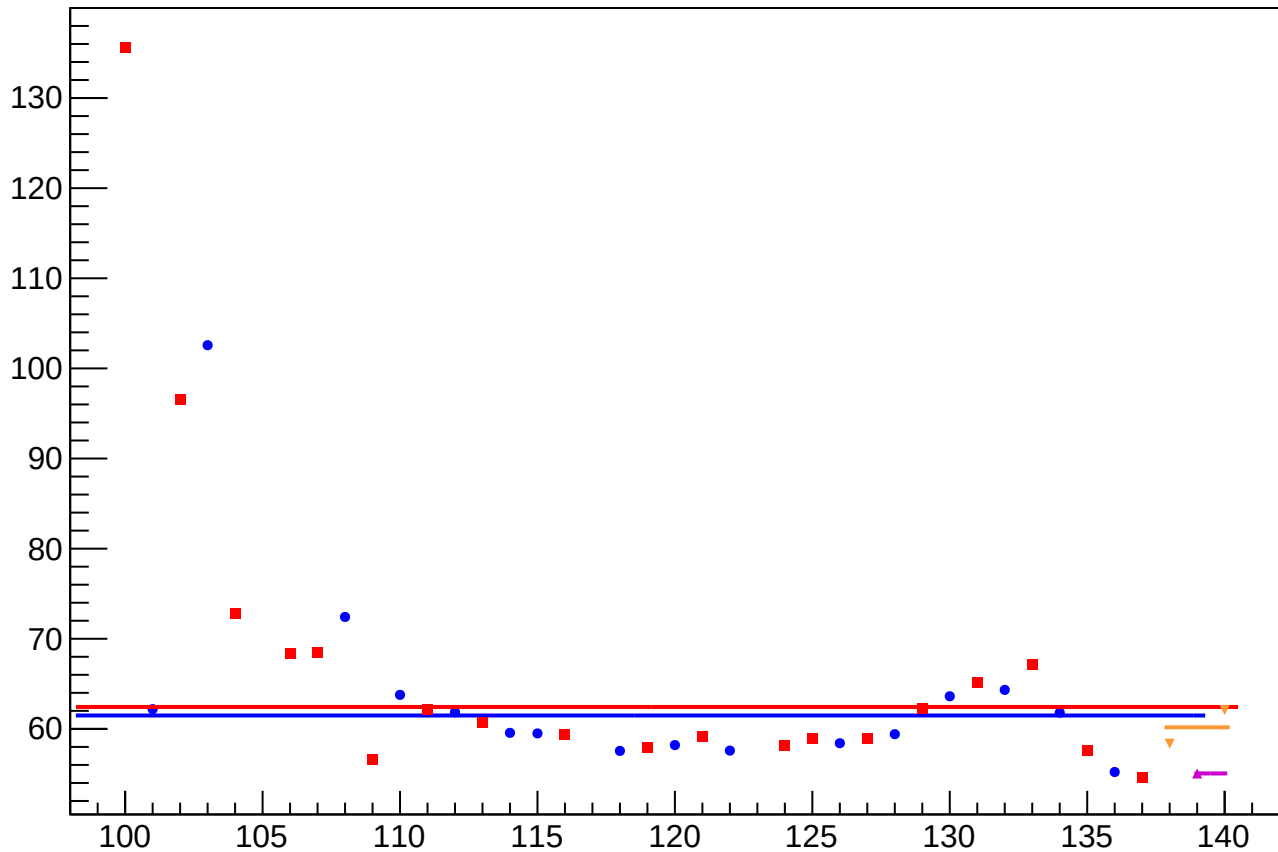
Left In: 122.964 $\pm$ 59.892 χ^2 /NDF: 0.0/0

+ sign -206.947 $\pm$ 20.775 χ^2 /NDF: 26.3/17

All: -43.554 $\pm$ 14.986 χ^2 /NDF: 200.2/37

- sign 133.699 $\pm$ 21.638 χ^2 /NDF: 44.9/19

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250671.7/15

Left Out: 60.176 $\pm$ 0.033 χ^2 /NDF: 3089.7/1

Right Out: 62.433 $\pm$ 0.016 χ^2 /NDF: 279408.8/18

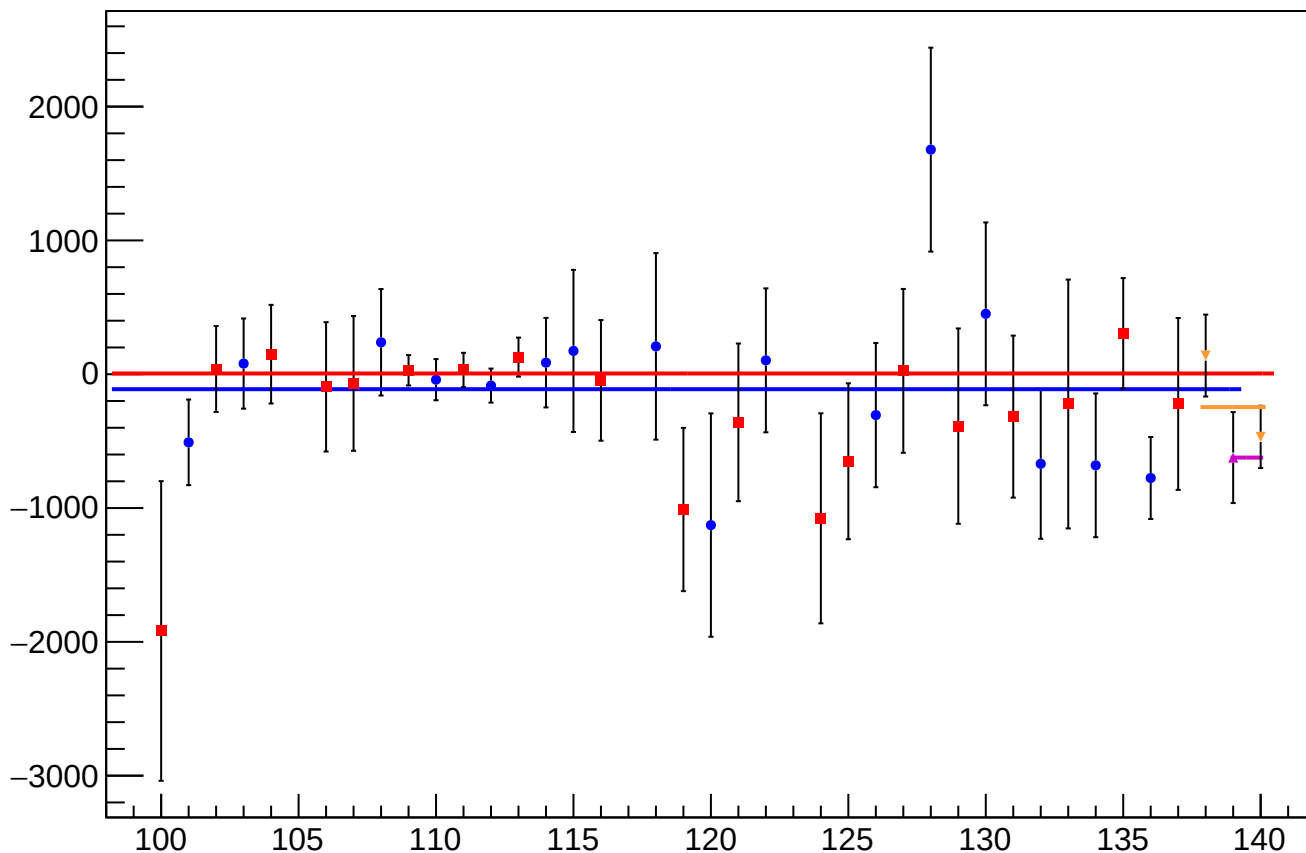
Left In: 55.055 $\pm$ 0.042 χ^2 /NDF: 0.0/0

+ sign 61.234 $\pm$ 0.015 χ^2 /NDF: 254997.7/17

All: 61.347 $\pm$ 0.011 χ^2 /NDF: 560914.7/37

- sign 61.470 $\pm$ 0.015 χ^2 /NDF: 305793.1/19

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF : 18.5/15

Left Out: -245.543+/-185.292 χ^2/NDF : 2.5/1

Right Out: 5.616+/-64.085 χ^2/NDF : 11.6/18

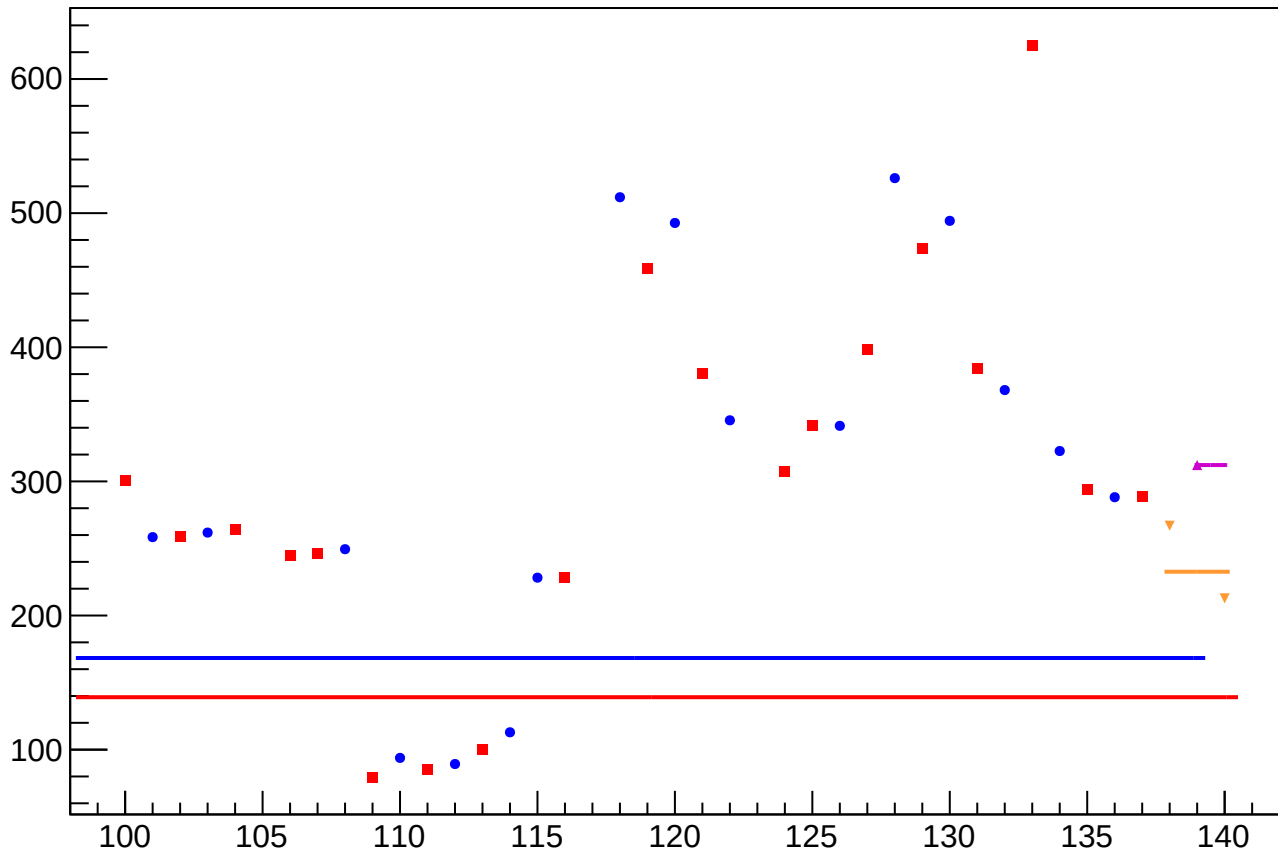
Left In: -622.872+/-339.870 χ^2/NDF : 0.0/0

+ sign -131.209+/-70.484 χ^2/NDF : 21.4/17

All: -67.122+/-46.961 χ^2/NDF : 37.8/37

- sign -15.962+/-62.975 χ^2/NDF : 14.9/19

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF : 39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

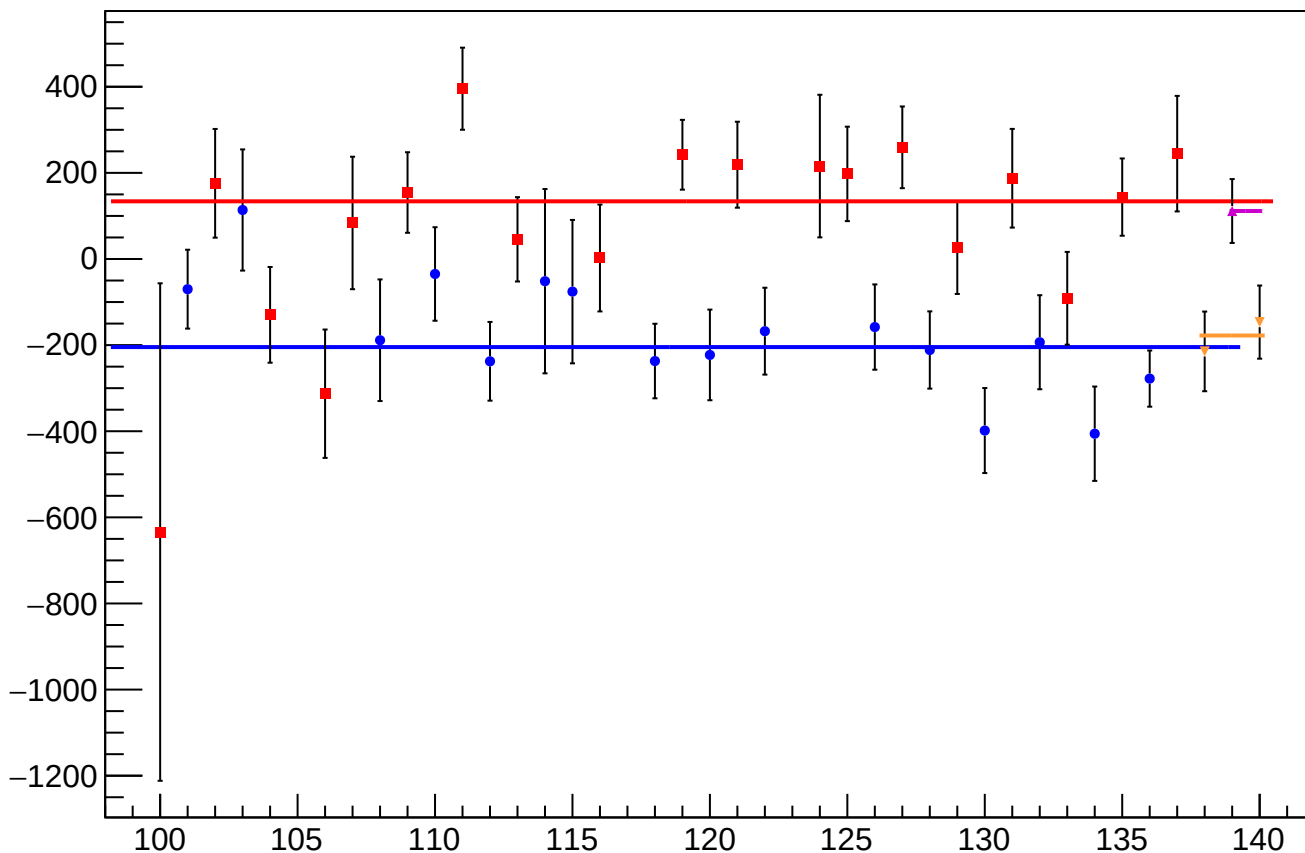
Left In: 312.186+/-0.240 χ^2/NDF : 0.0/0

+ sign 177.636+/-0.050 χ^2/NDF : 4789857.6/17

All: 159.514+/-0.033 χ^2/NDF : 10658511.4/37

- sign 145.047+/-0.045 χ^2/NDF : 5630890.6/19

dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -177.686 ± 62.567 χ^2/NDF : 0.3/1

Right Out: 133.924 ± 25.484 χ^2/NDF : 37.2/18

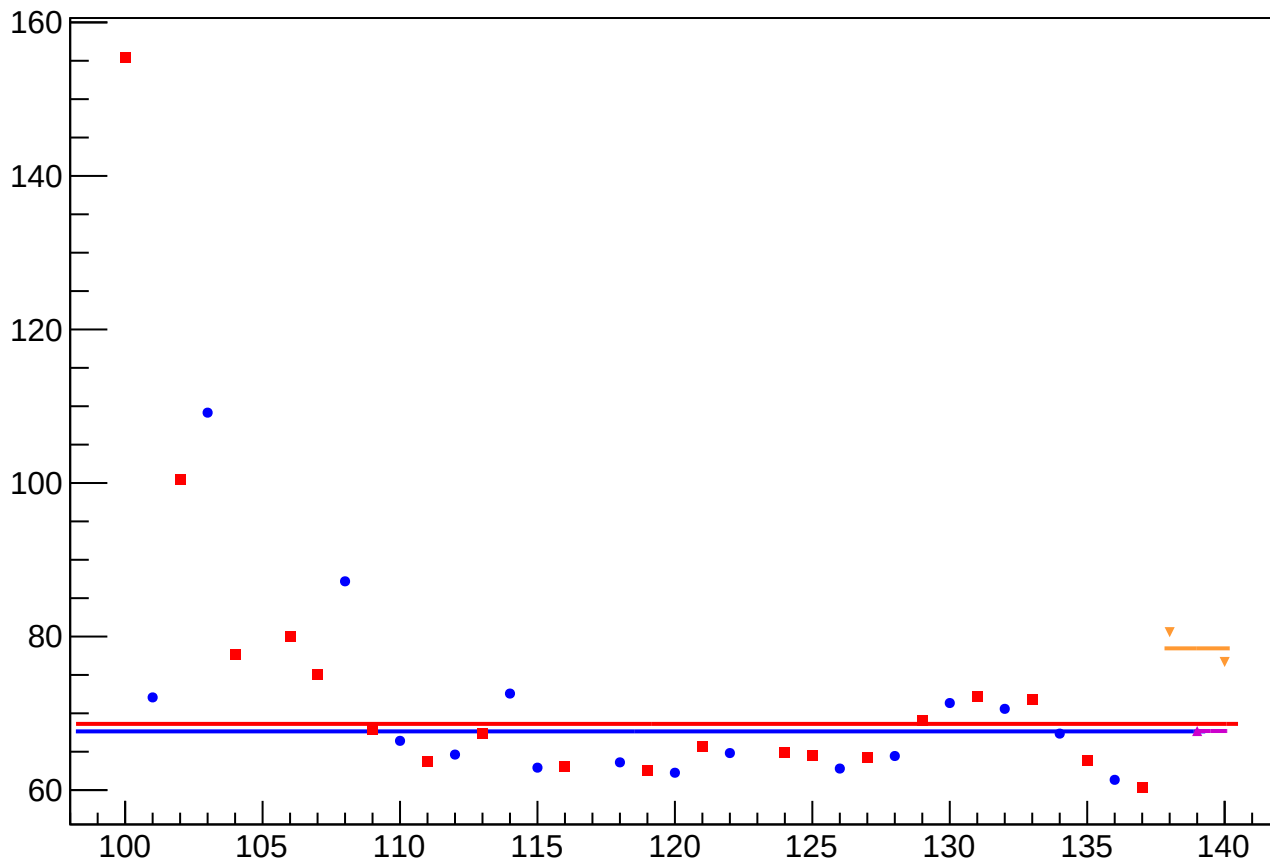
Left In: 111.448 ± 74.169 χ^2/NDF : 0.0/0

+ sign -200.741 ± 23.633 χ^2/NDF : 20.4/17

All: -37.852 ± 16.874 χ^2/NDF : 154.7/37

- sign 131.551 ± 24.101 χ^2/NDF : 37.3/19

dit_asym_sam8_rms vs Slug



Right In: 67.647 $\pm$ 0.018 χ^2 /NDF: 263669.9/15

Left Out: 78.462 $\pm$ 0.044 χ^2 /NDF: 1910.5/1

Right Out: 68.624 $\pm$ 0.018 χ^2 /NDF: 248164.6/18

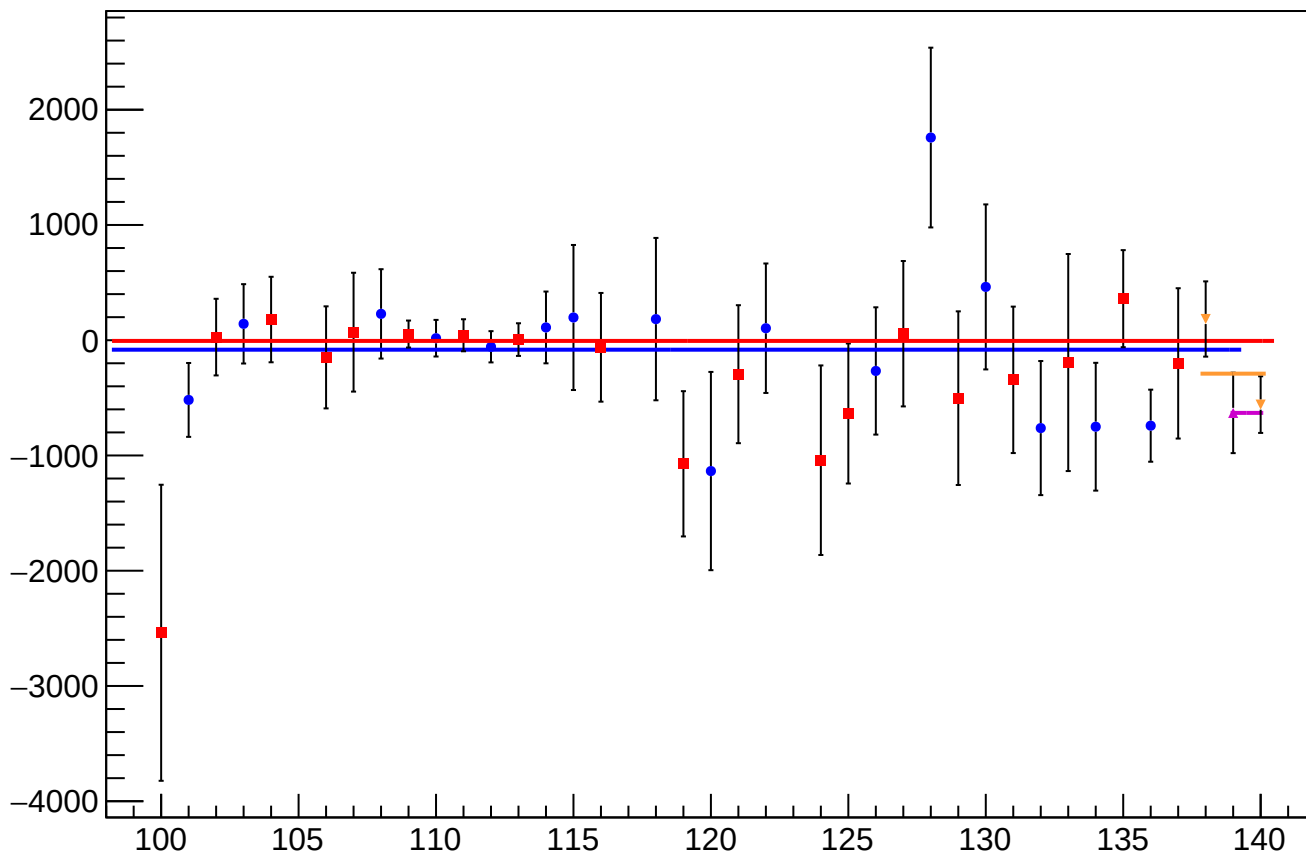
Left In: 67.695 $\pm$ 0.052 χ^2 /NDF: 0.0/0

+ sign 69.190 $\pm$ 0.017 χ^2 /NDF: 316812.0/17

All: 68.865 $\pm$ 0.012 χ^2 /NDF: 566032.5/37

- sign 68.526 $\pm$ 0.017 χ^2 /NDF: 248445.2/19

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF : 19.2/15

Left Out: -290.116+/-196.346 χ^2/NDF : 3.3/1

Right Out: -6.063+/-65.910 χ^2/NDF : 12.0/18

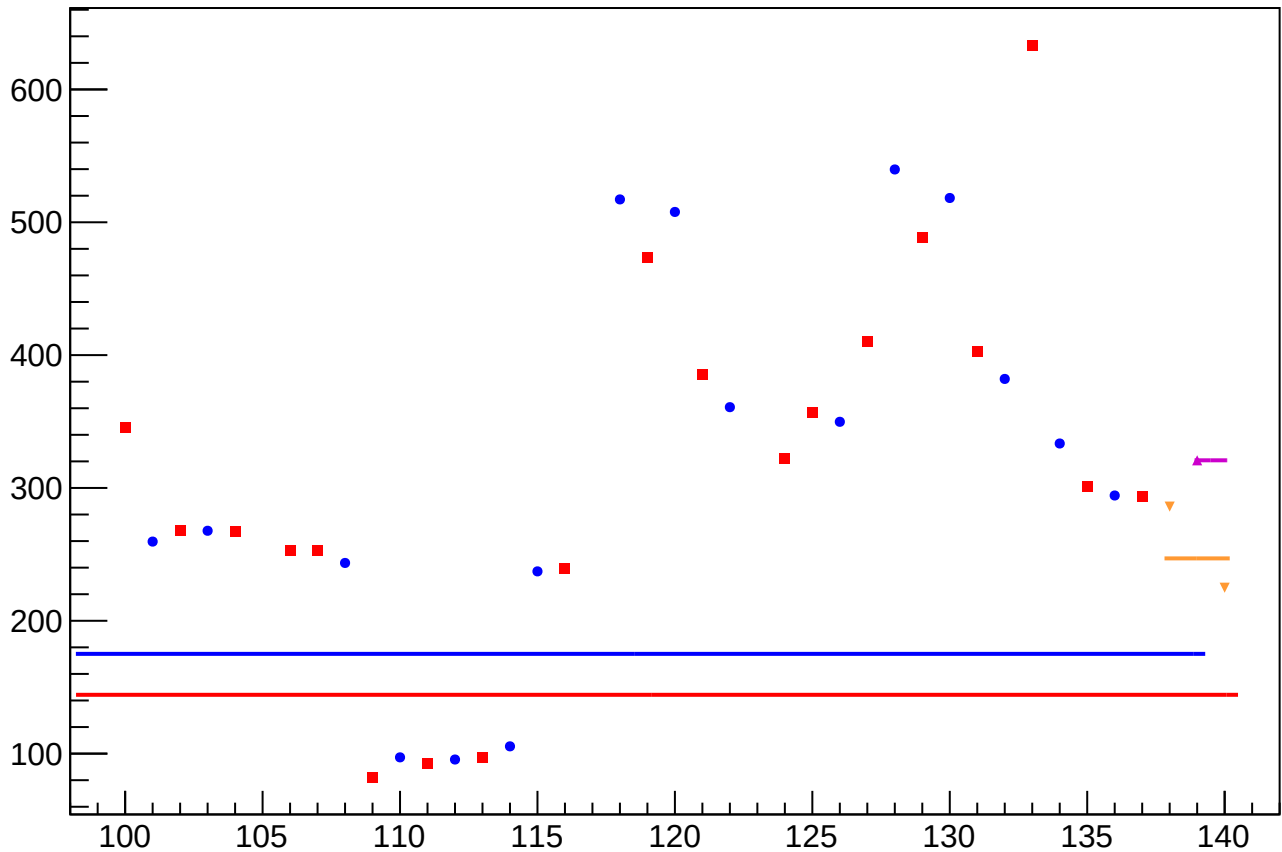
Left In: -630.598+/-349.138 χ^2/NDF : 0.0/0

+ sign -110.989+/-73.031 χ^2/NDF : 23.5/17

All: -64.285+/-48.456 χ^2/NDF : 39.3/37

- sign -27.554+/-64.766 χ^2/NDF : 15.1/19

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF : 4429076.5/15

Left Out: 246.968+/-0.139 χ^2/NDF : 44643.7/1

Right Out: 144.276+/-0.047 χ^2/NDF : 5132432.2/18

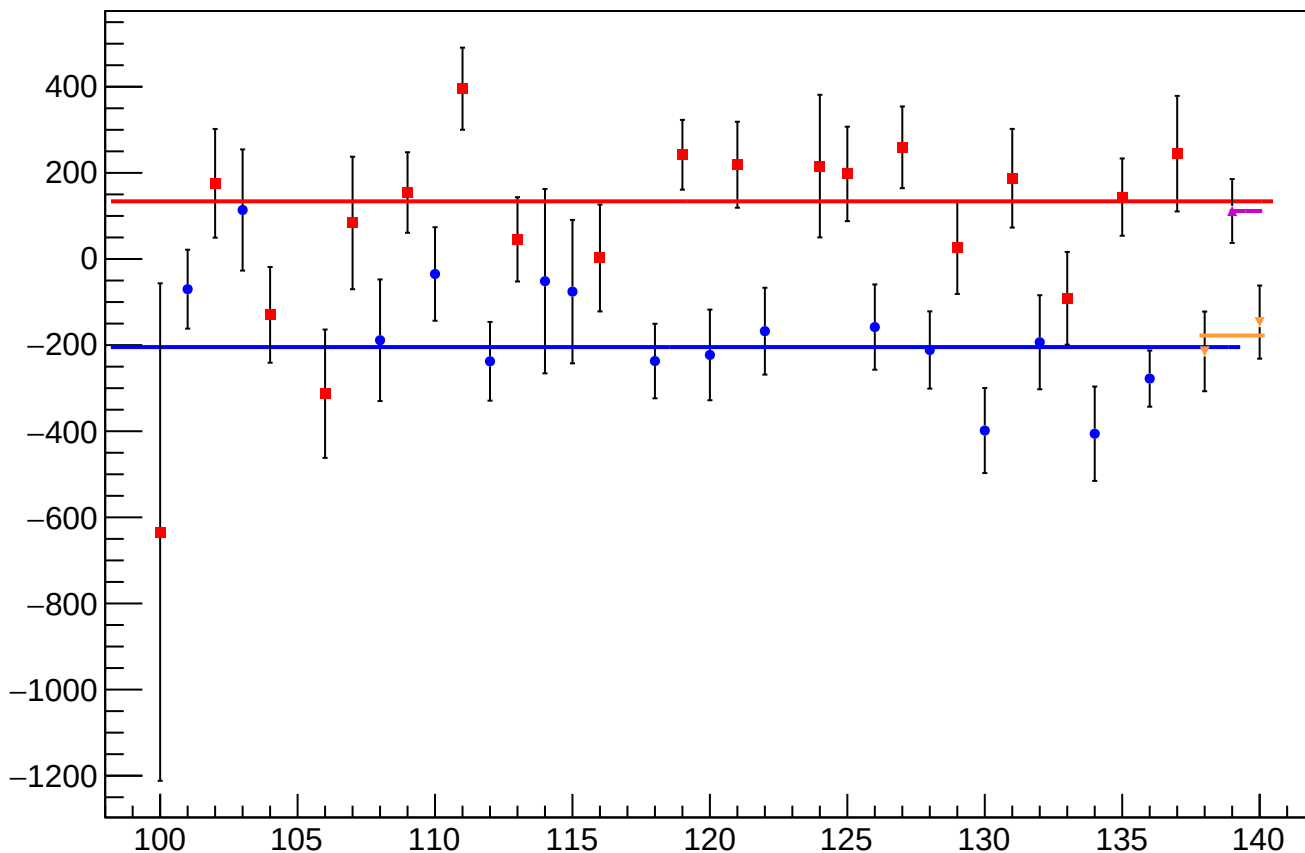
Left In: 320.806+/-0.247 χ^2/NDF : 0.0/0

+ sign 185.042+/-0.052 χ^2/NDF : 4704608.3/17

All: 165.623+/-0.034 χ^2/NDF : 10583360.6/37

- sign 150.351+/-0.046 χ^2/NDF : 5626133.7/19

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -177.687 ± 62.567 χ^2/NDF : 0.3/1

Right Out: 133.926 ± 25.483 χ^2/NDF : 37.2/18

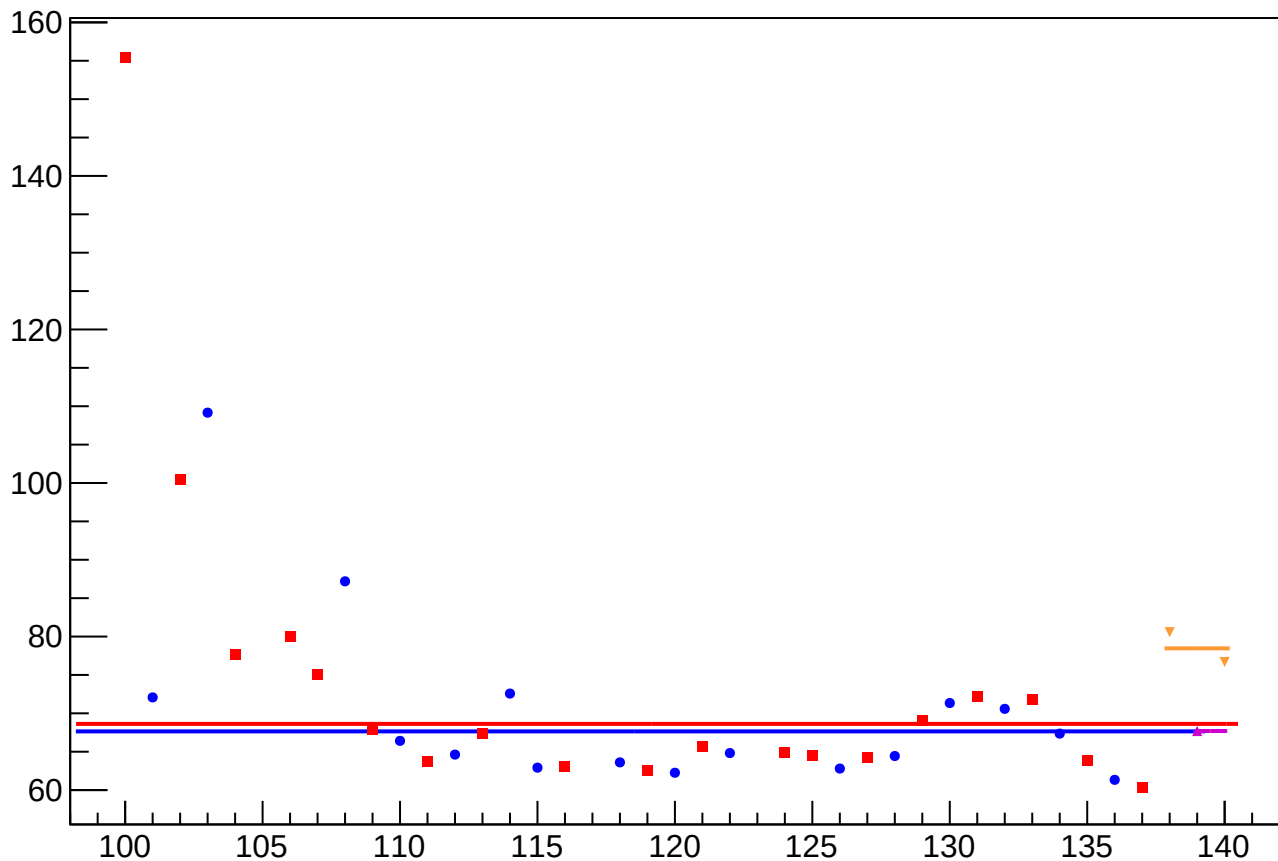
Left In: 111.449 ± 74.169 χ^2/NDF : 0.0/0

+ sign -200.740 ± 23.633 χ^2/NDF : 20.4/17

All: -37.851 ± 16.874 χ^2/NDF : 154.7/37

- sign 131.553 ± 24.101 χ^2/NDF : 37.3/19

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647 $\pm$ 0.018 χ^2 /NDF: 263668.9/15

Left Out: 78.462 $\pm$ 0.044 χ^2 /NDF: 1910.3/1

Right Out: 68.624 $\pm$ 0.018 χ^2 /NDF: 248166.1/18

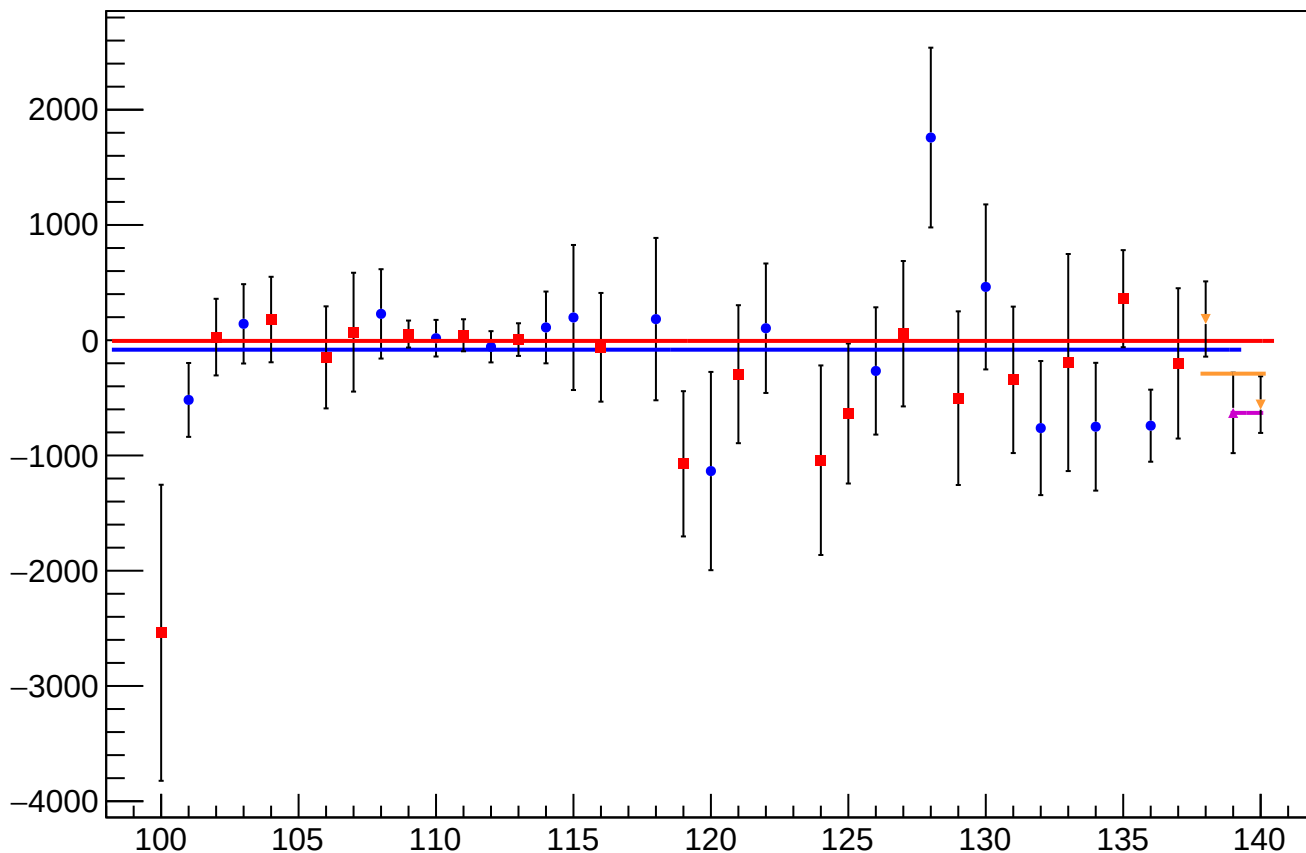
Left In: 67.695 $\pm$ 0.052 χ^2 /NDF: 0.0/0

+ sign 69.190 $\pm$ 0.017 χ^2 /NDF: 316812.2/17

All: 68.864 $\pm$ 0.012 χ^2 /NDF: 566034.2/37

- sign 68.526 $\pm$ 0.017 χ^2 /NDF: 248446.6/19

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226 ± 78.675 χ^2/NDF : 19.2/15

Left Out: -290.116 ± 196.345 χ^2/NDF : 3.3/1

Right Out: -6.062 ± 65.910 χ^2/NDF : 12.0/18

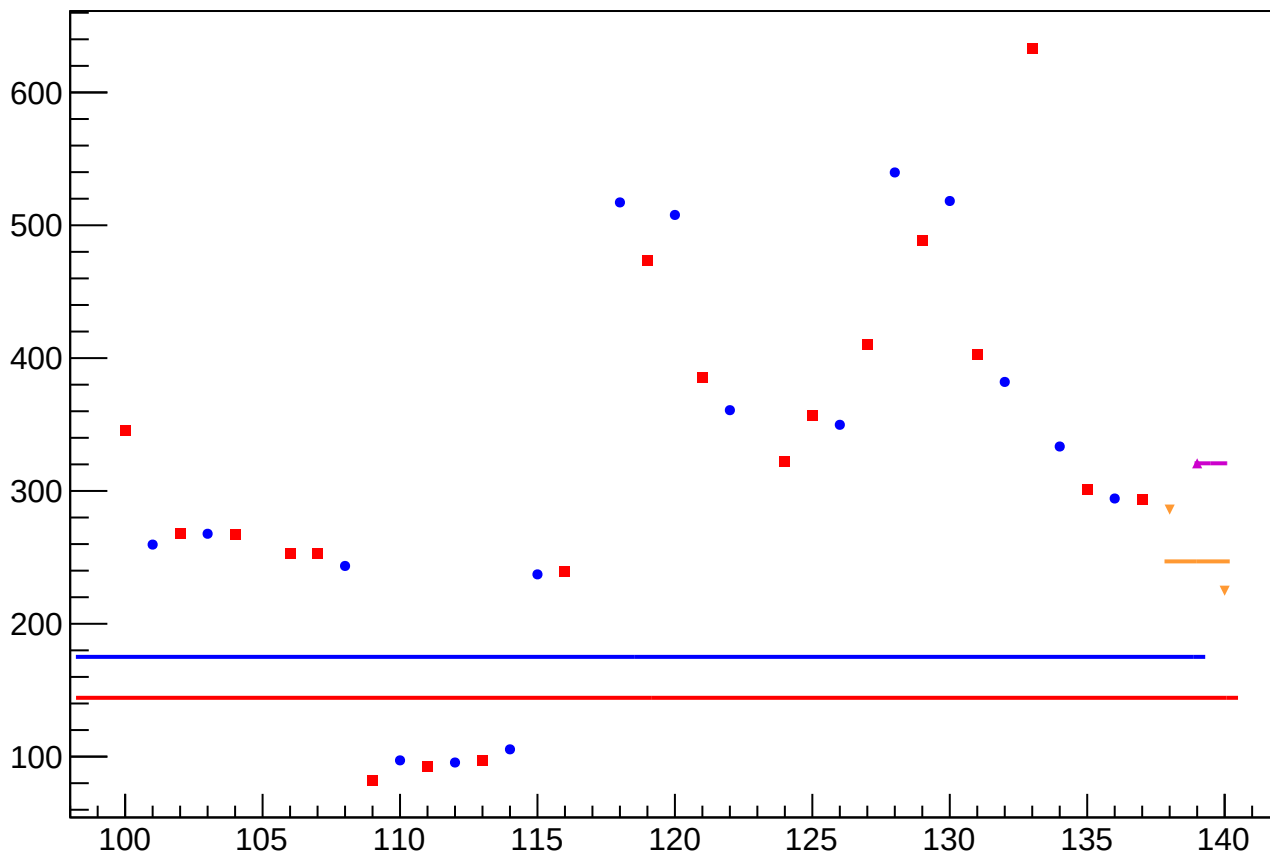
Left In: -630.597 ± 349.136 χ^2/NDF : 0.0/0

+ sign -110.987 ± 73.031 χ^2/NDF : 23.5/17

All: -64.284 ± 48.456 χ^2/NDF : 39.3/37

- sign -27.553 ± 64.766 χ^2/NDF : 15.1/19

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF : 4429098.4/15

Left Out: 246.967+/-0.139 χ^2/NDF : 44642.5/1

Right Out: 144.276+/-0.047 χ^2/NDF : 5132412.3/18

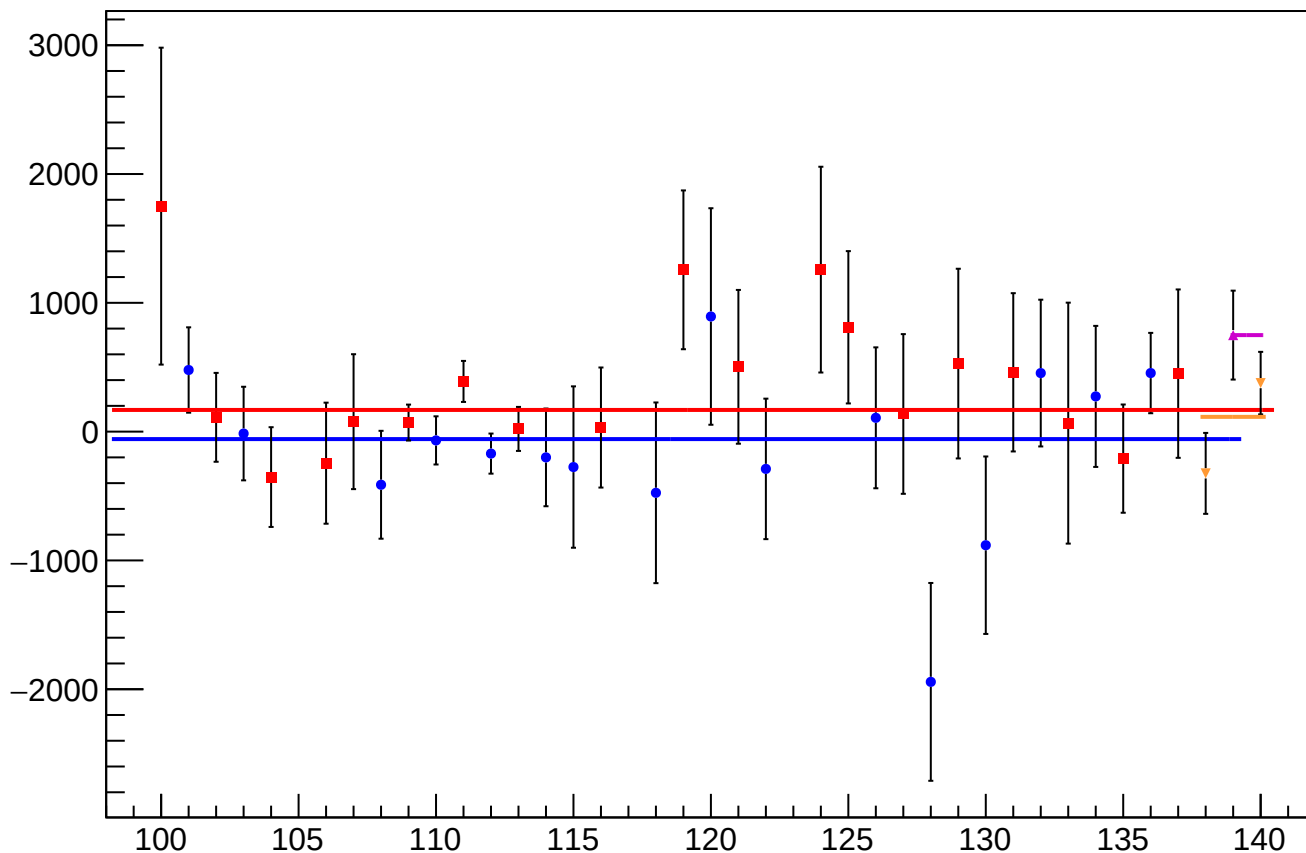
Left In: 320.804+/-0.247 χ^2/NDF : 0.0/0

+ sign 185.041+/-0.052 χ^2/NDF : 4704633.4/17

All: 165.623+/-0.034 χ^2/NDF : 10583349.9/37

- sign 150.350+/-0.046 χ^2/NDF : 5626110.9/19

asym_sam8_mean vs Slug



Right In: -57.970 ± 86.890 $\chi^2/\text{NDF}: 17.4/15$

Left Out: 114.609 ± 192.109 $\chi^2/\text{NDF}: 3.1/1$

Right Out: 168.322 ± 74.598 $\chi^2/\text{NDF}: 15.5/18$

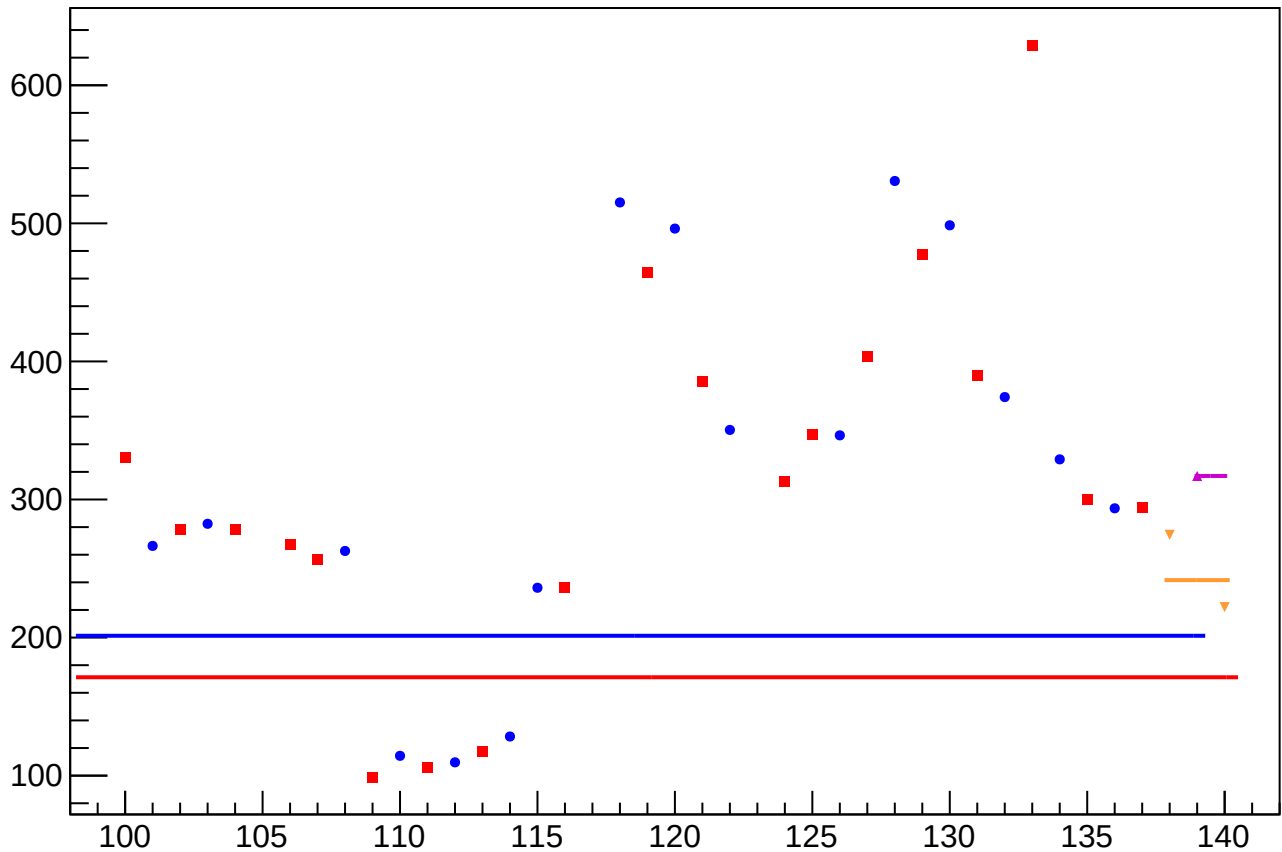
Left In: 749.352 ± 345.139 $\chi^2/\text{NDF}: 0.0/0$

+ sign -28.661 ± 79.169 $\chi^2/\text{NDF}: 21.2/17$

All: 91.949 ± 53.633 $\chi^2/\text{NDF}: 43.7/37$

- sign 194.253 ± 72.914 $\chi^2/\text{NDF}: 18.2/19$

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF : 3572199.4/15

Left Out: 241.617+/-0.136 χ^2/NDF : 34793.6/1

Right Out: 171.252+/-0.053 χ^2/NDF : 4192554.2/18

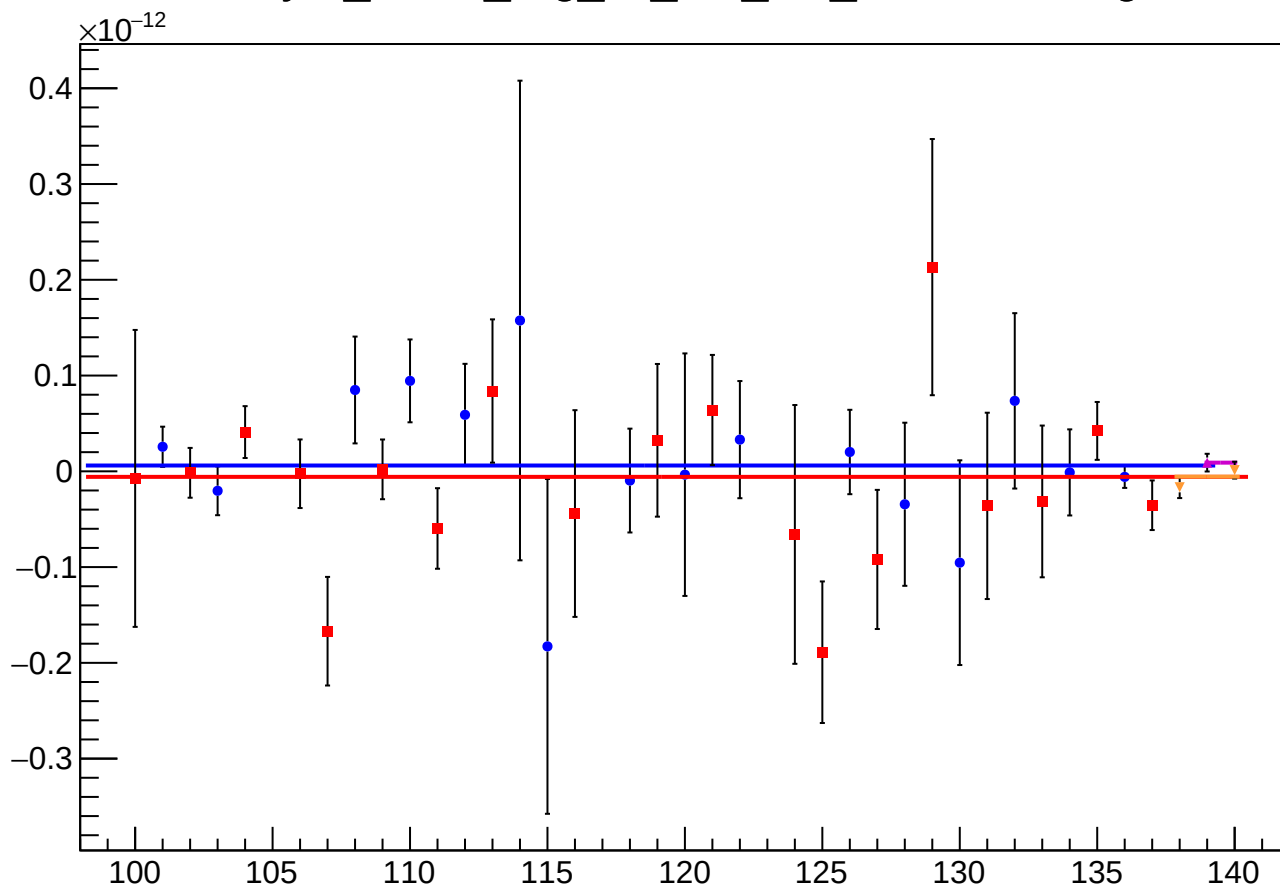
Left In: 317.040+/-0.244 χ^2/NDF : 0.0/0

+ sign 208.148+/-0.056 χ^2/NDF : 3680114.7/17

All: 191.705+/-0.038 χ^2/NDF : 8373042.8/37

- sign 177.758+/-0.052 χ^2/NDF : 4533479.4/19

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 : 1.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.5/18

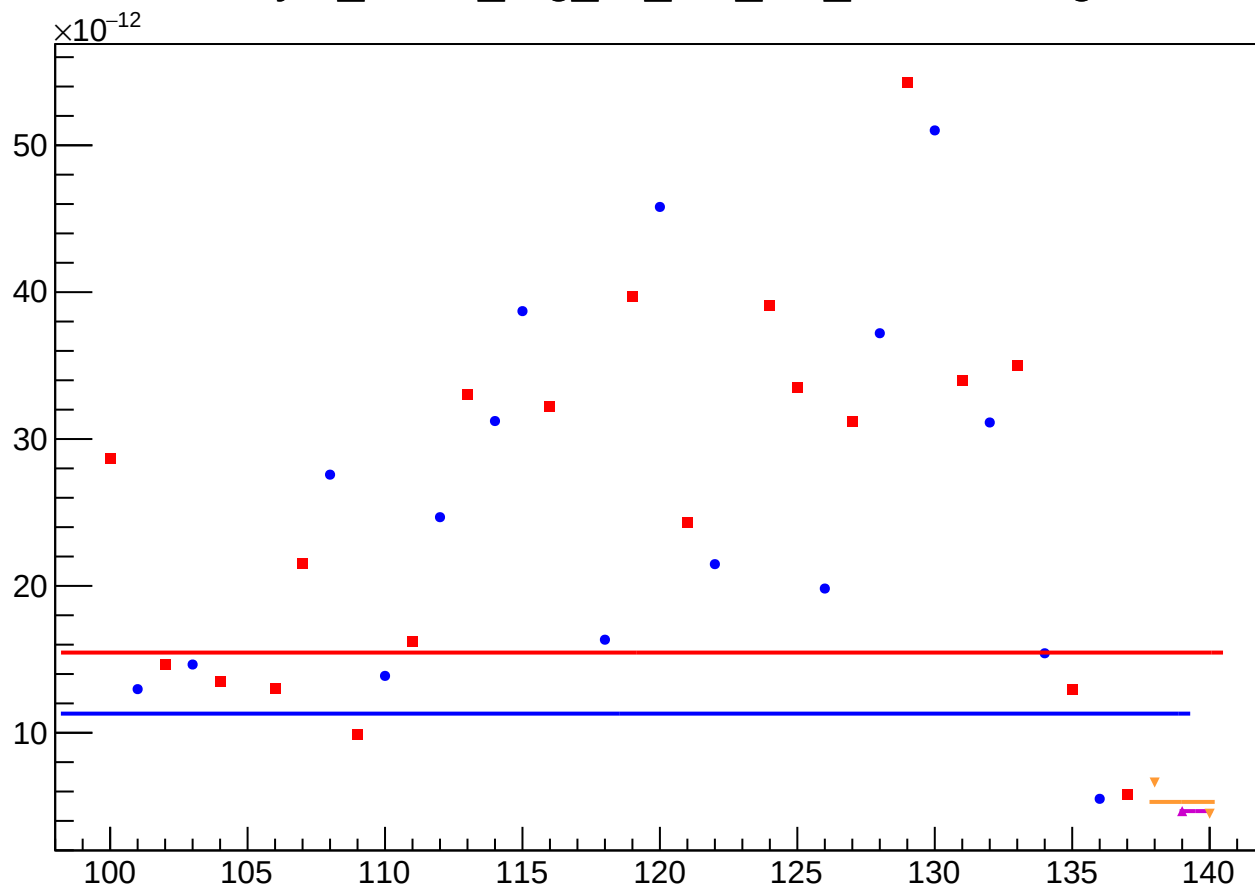
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 16.5/17

All: 0.000 ± 0.000 χ^2/NDF : 48.3/37

- sign 0.000 ± 0.000 χ^2/NDF : 31.7/19

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1788731.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 43995.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 1442096.6/18

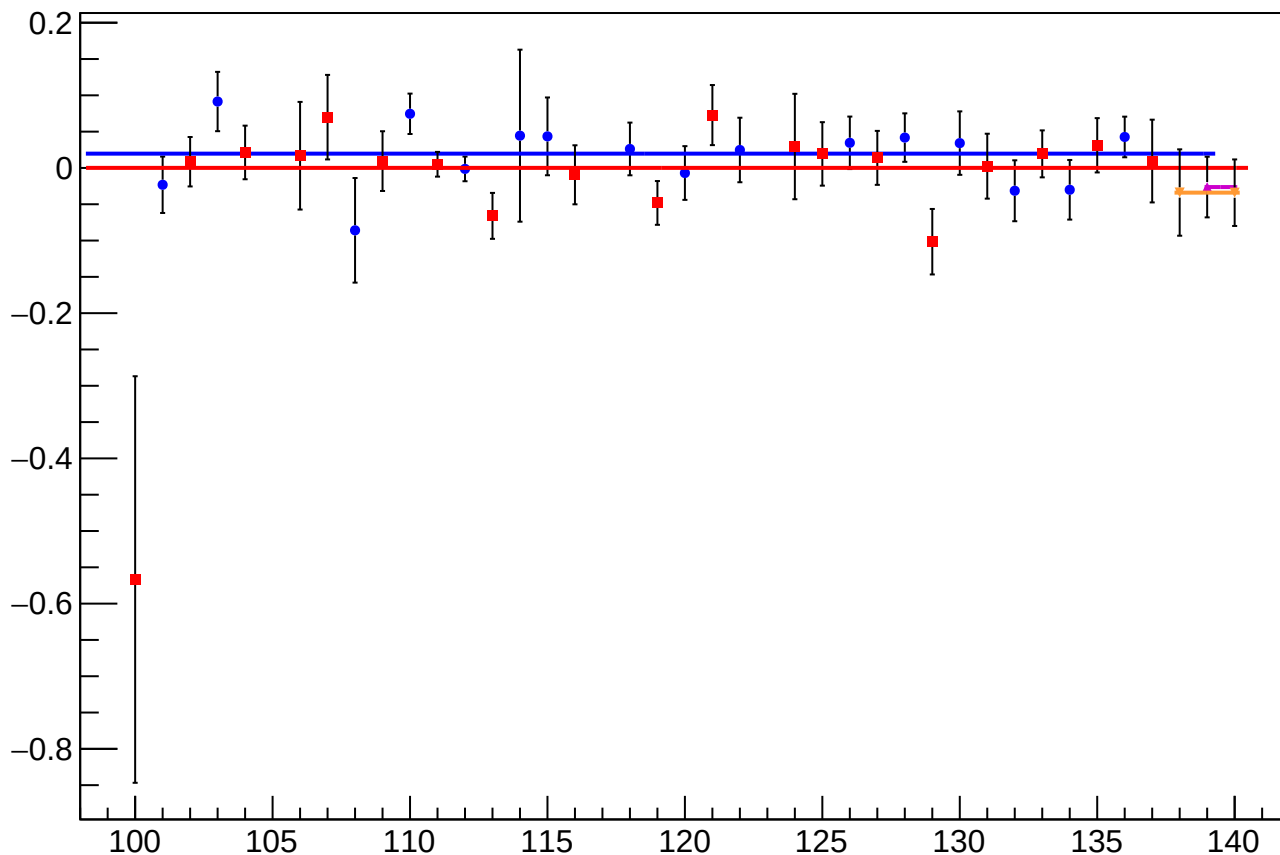
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 2453851.0/17

All: 0.000 ± 0.000 χ^2/NDF : 5209495.7/37

- sign 0.000 ± 0.000 χ^2/NDF : 2673583.1/19

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 χ^2/NDF : 17.0/15

Left Out: -0.034 ± 0.036 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.009 χ^2/NDF : 22.8/18

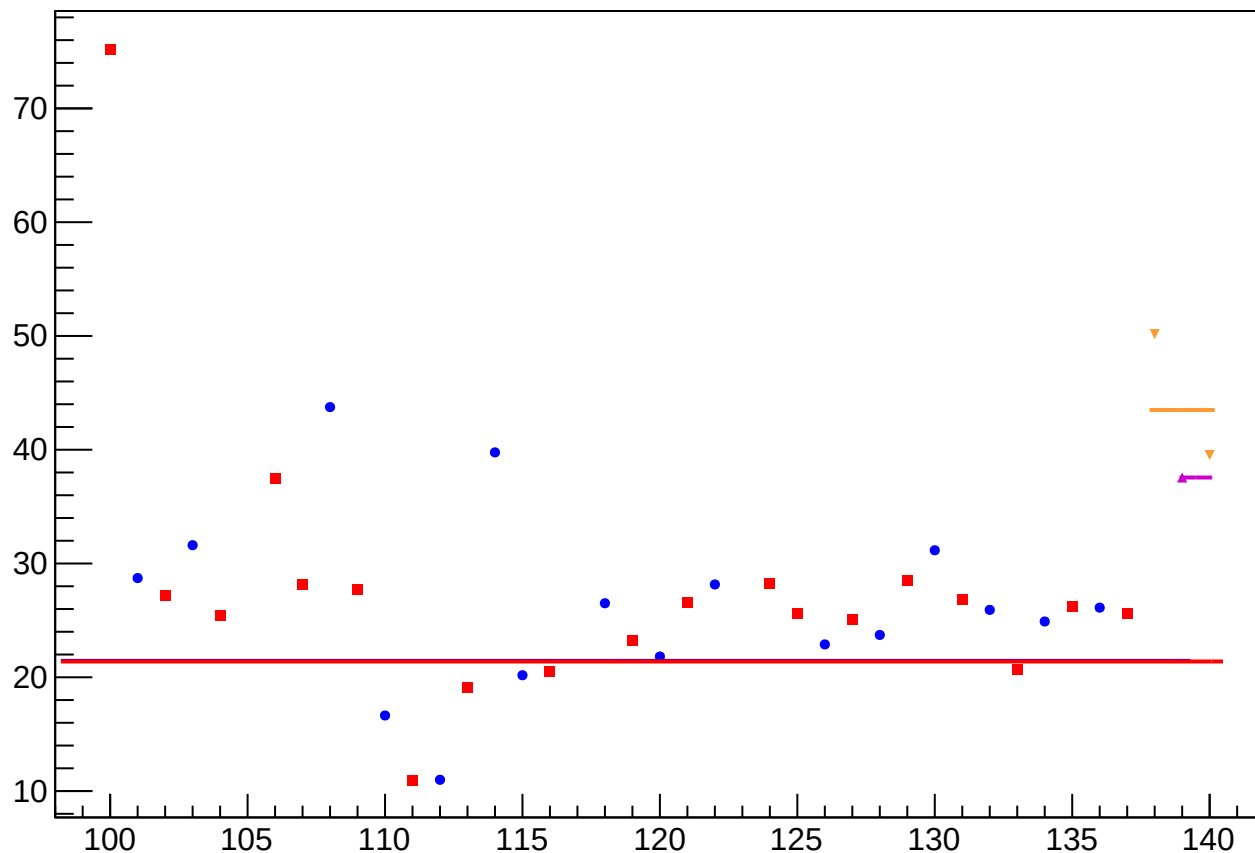
Left In: -0.026 ± 0.042 χ^2/NDF : 0.0/0

+ sign 0.017 ± 0.008 χ^2/NDF : 19.1/17

All: 0.008 ± 0.006 χ^2/NDF : 44.6/37

- sign -0.001 ± 0.008 χ^2/NDF : 23.2/19

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2 /NDF: 1540713.8/15

Left Out: 43.491 $\pm$ 0.026 χ^2 /NDF: 40075.6/1

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1311934.3/18

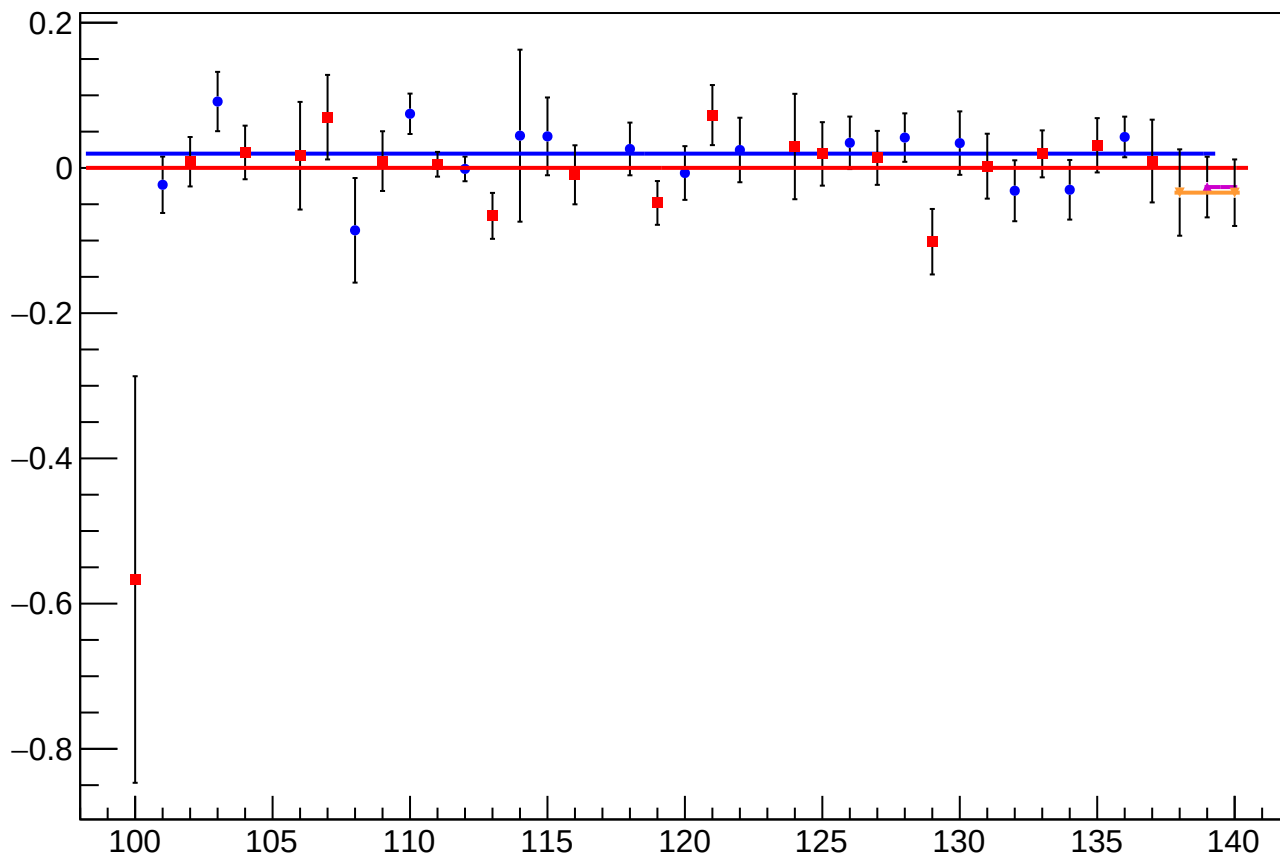
Left In: 37.558 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 22.638 $\pm$ 0.006 χ^2 /NDF: 2278722.5/17

All: 22.332 $\pm$ 0.004 χ^2 /NDF: 3883722.3/37

- sign 22.034 $\pm$ 0.006 χ^2 /NDF: 1599819.9/19

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.009 χ^2 /NDF: 17.0/15

Left Out: -0.034 $\pm$ 0.036 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.009 χ^2 /NDF: 22.8/18

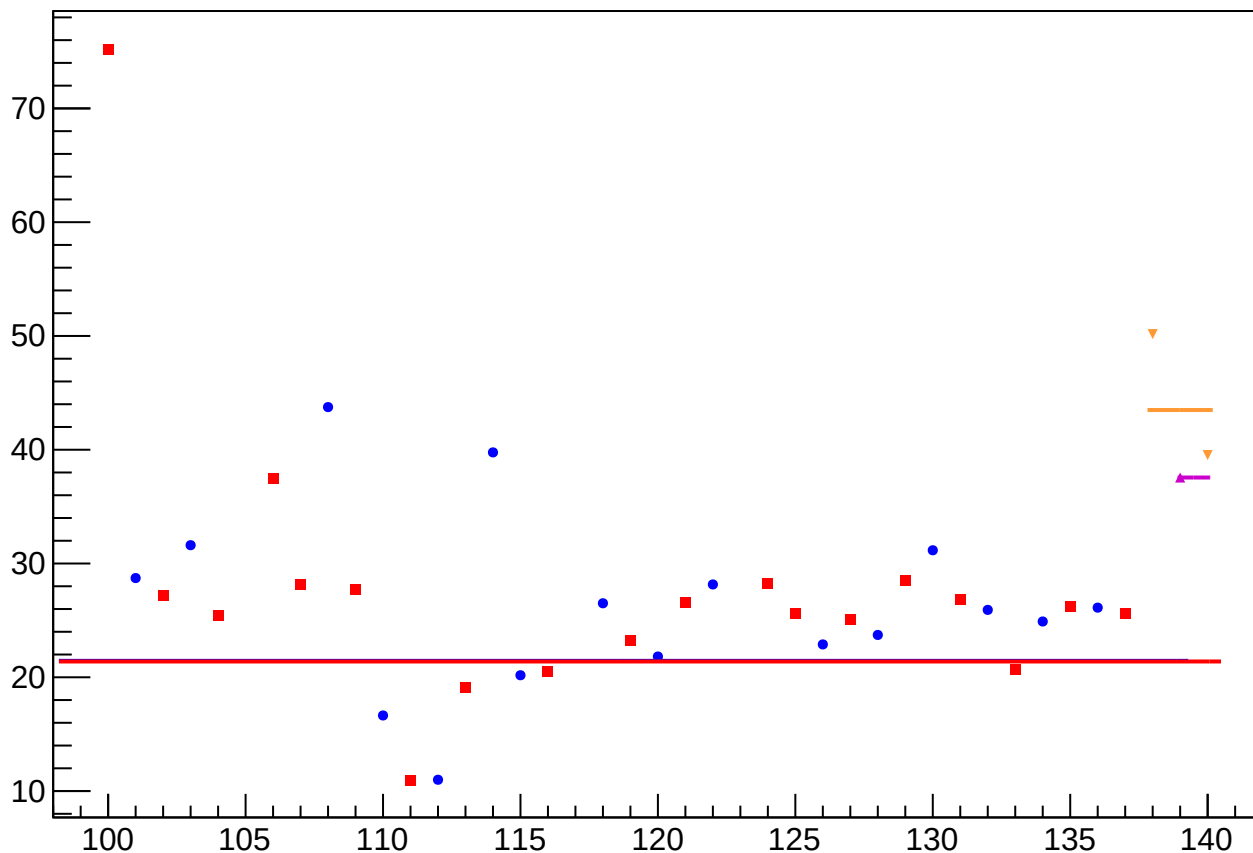
Left In: -0.026 $\pm$ 0.042 χ^2 /NDF: 0.0/0

+ sign 0.017 $\pm$ 0.008 χ^2 /NDF: 19.1/17

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 44.6/37

- sign -0.001 $\pm$ 0.008 χ^2 /NDF: 23.2/19

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2 /NDF: 1540713.8/15

Left Out: 43.491 $\pm$ 0.026 χ^2 /NDF: 40075.6/1

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1311934.3/18

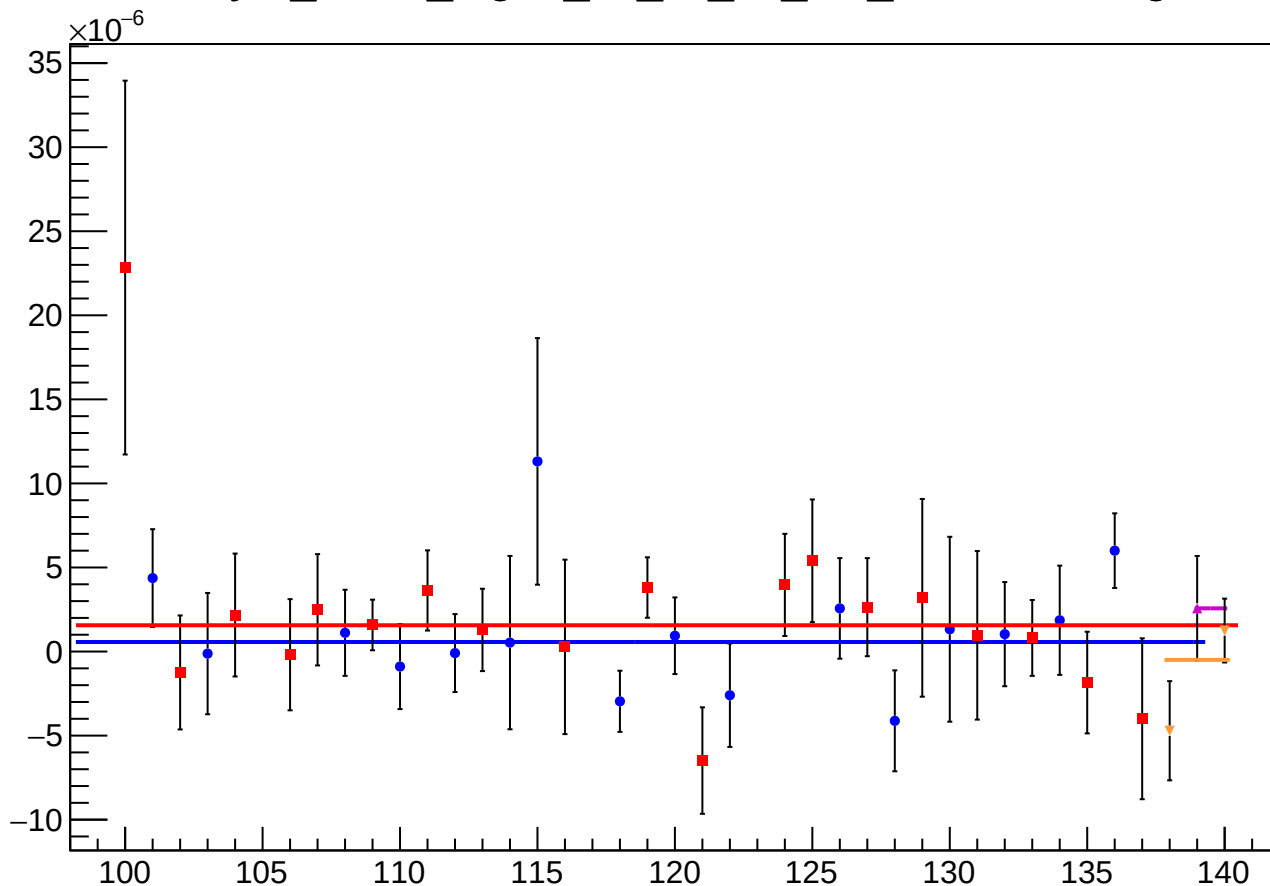
Left In: 37.558 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 22.638 $\pm$ 0.006 χ^2 /NDF: 2278722.5/17

All: 22.332 $\pm$ 0.004 χ^2 /NDF: 3883722.3/37

- sign 22.034 $\pm$ 0.006 χ^2 /NDF: 1599819.9/19

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/18

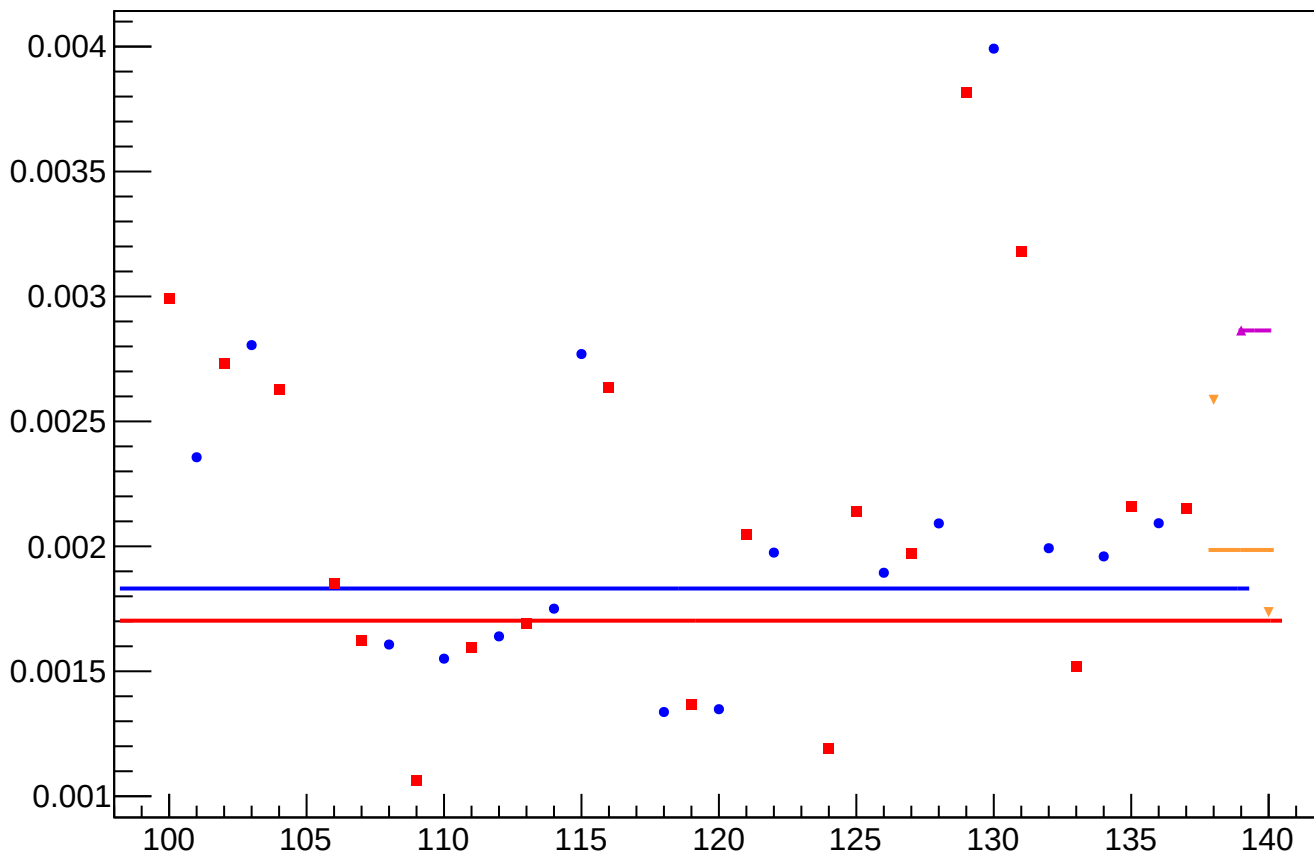
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/19

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF : 117301.6/1

Right Out: 0.002+/-0.000 χ^2/NDF : 1478057.9/18

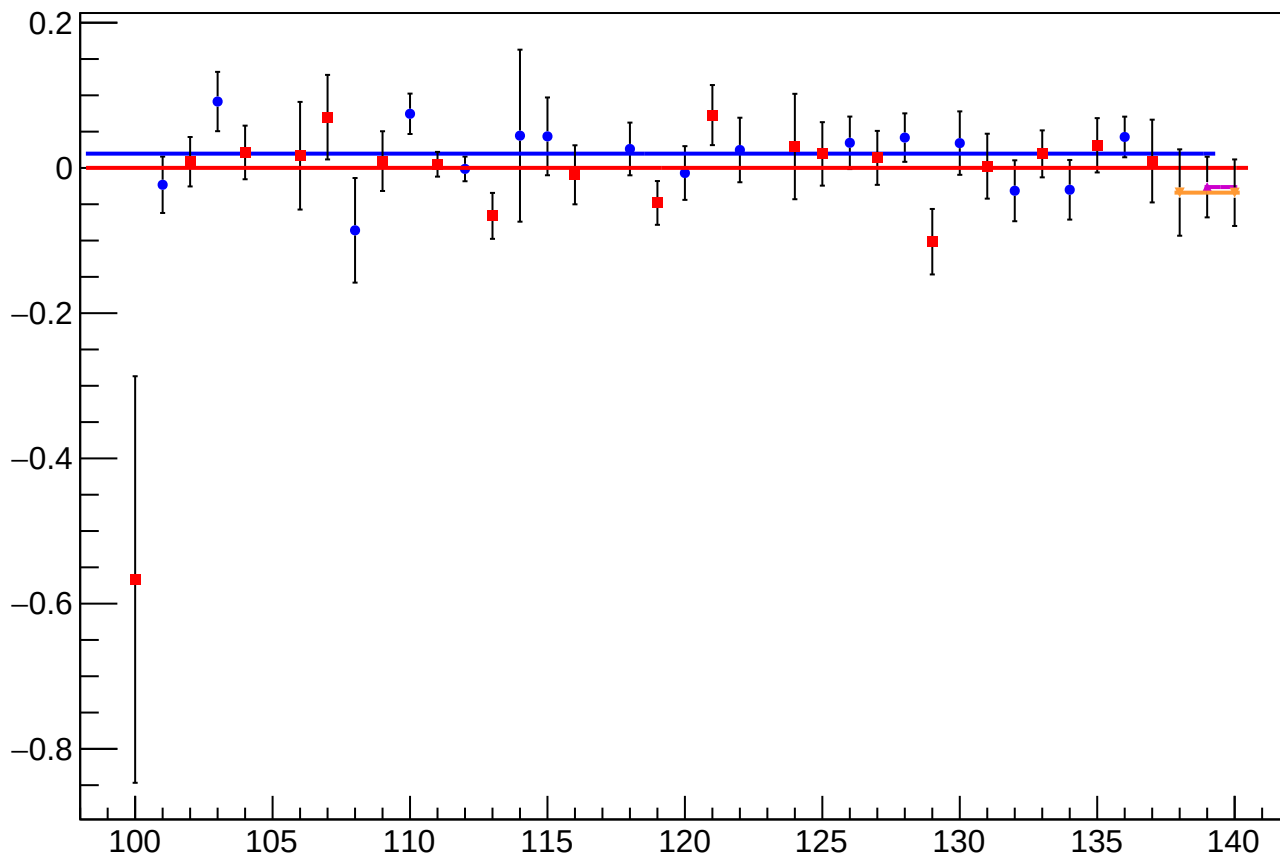
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 1033335.0/17

All: 0.002+/-0.000 χ^2/NDF : 2803669.8/37

- sign 0.002+/-0.000 χ^2/NDF : 1744260.0/19

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.009 χ^2/NDF : 17.0/15

Left Out: -0.034 $\pm$ 0.036 χ^2/NDF : 0.0/1

Right Out: 0.000 $\pm$ 0.009 χ^2/NDF : 22.8/18

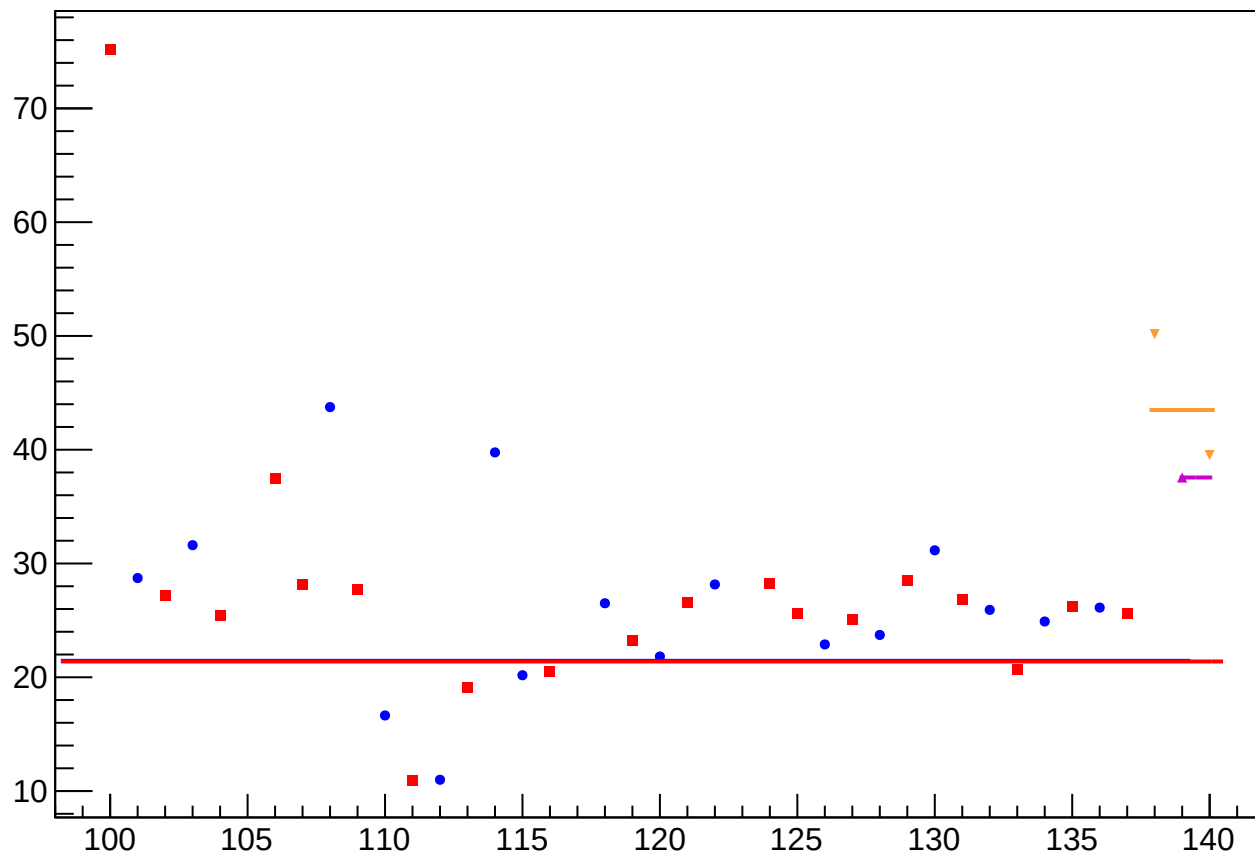
Left In: -0.026 $\pm$ 0.042 χ^2/NDF : 0.0/0

+ sign 0.017 $\pm$ 0.008 χ^2/NDF : 19.1/17

All: 0.008 $\pm$ 0.006 χ^2/NDF : 44.6/37

- sign -0.001 $\pm$ 0.008 χ^2/NDF : 23.2/19

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF : 1540859.8/15

Left Out: 43.491+/-0.026 χ^2/NDF : 40071.4/1

Right Out: 21.389+/-0.006 χ^2/NDF : 1312055.7/18

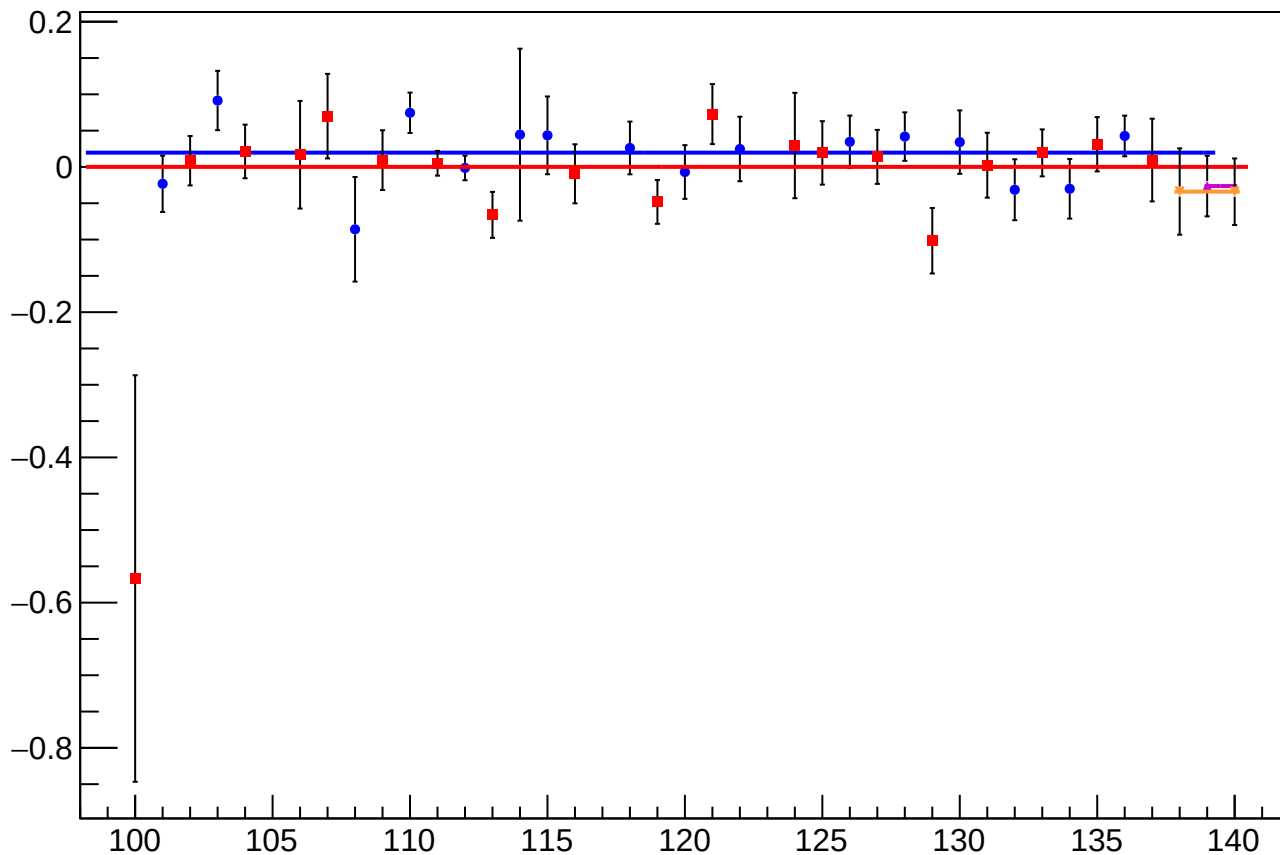
Left In: 37.558+/-0.030 χ^2/NDF : 0.0/0

+ sign 22.637+/-0.006 χ^2/NDF : 2278911.2/17

All: 22.331+/-0.004 χ^2/NDF : 3884053.1/37

- sign 22.033+/-0.006 χ^2/NDF : 1599962.3/19

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.009 χ^2 /NDF: 17.0/15

Left Out: -0.034 $\pm$ 0.036 χ^2 /NDF: 0.0/1

Right Out: 0.000 $\pm$ 0.009 χ^2 /NDF: 22.8/18

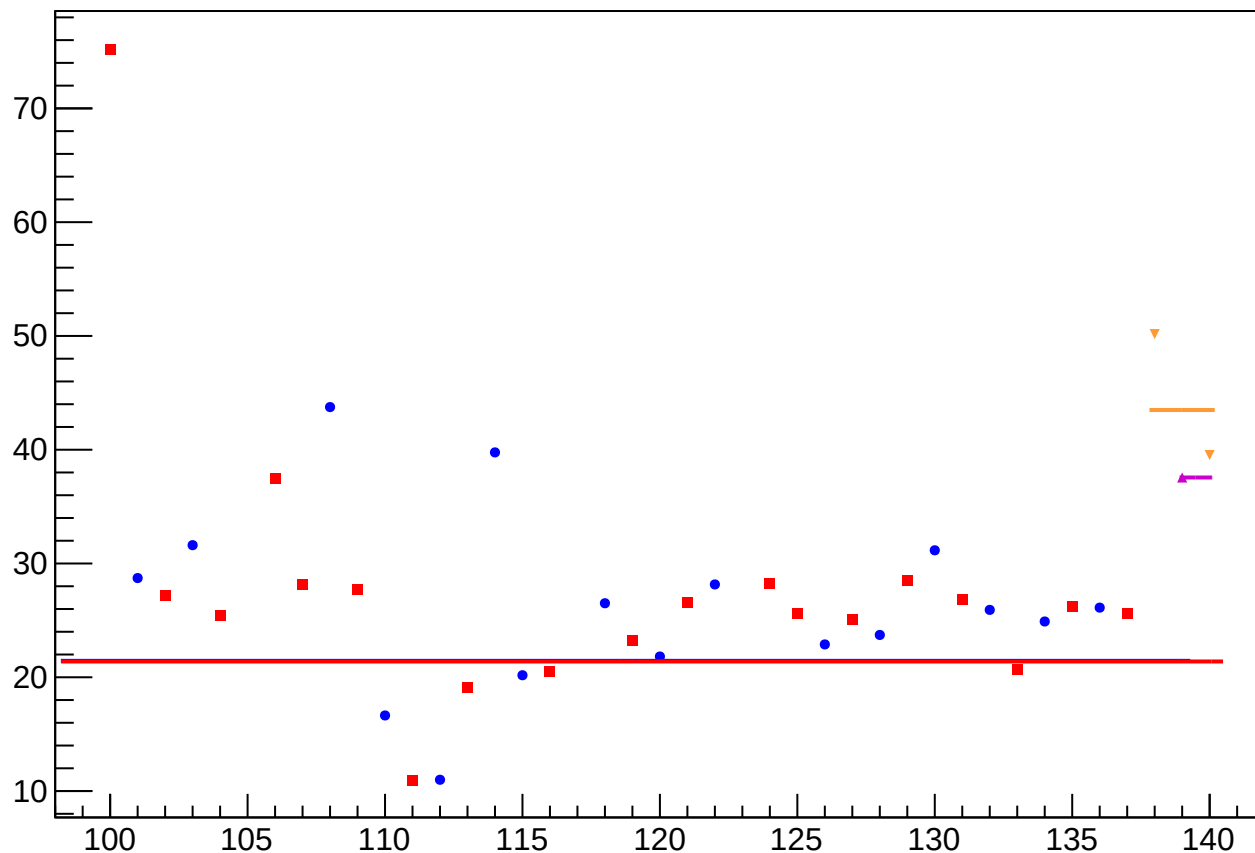
Left In: -0.026 $\pm$ 0.042 χ^2 /NDF: 0.0/0

+ sign 0.017 $\pm$ 0.008 χ^2 /NDF: 19.1/17

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 44.6/37

- sign -0.001 $\pm$ 0.008 χ^2 /NDF: 23.2/19

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443 $\pm$ 0.006 χ^2 /NDF: 1540859.8/15

Left Out: 43.491 $\pm$ 0.026 χ^2 /NDF: 40071.4/1

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1312055.7/18

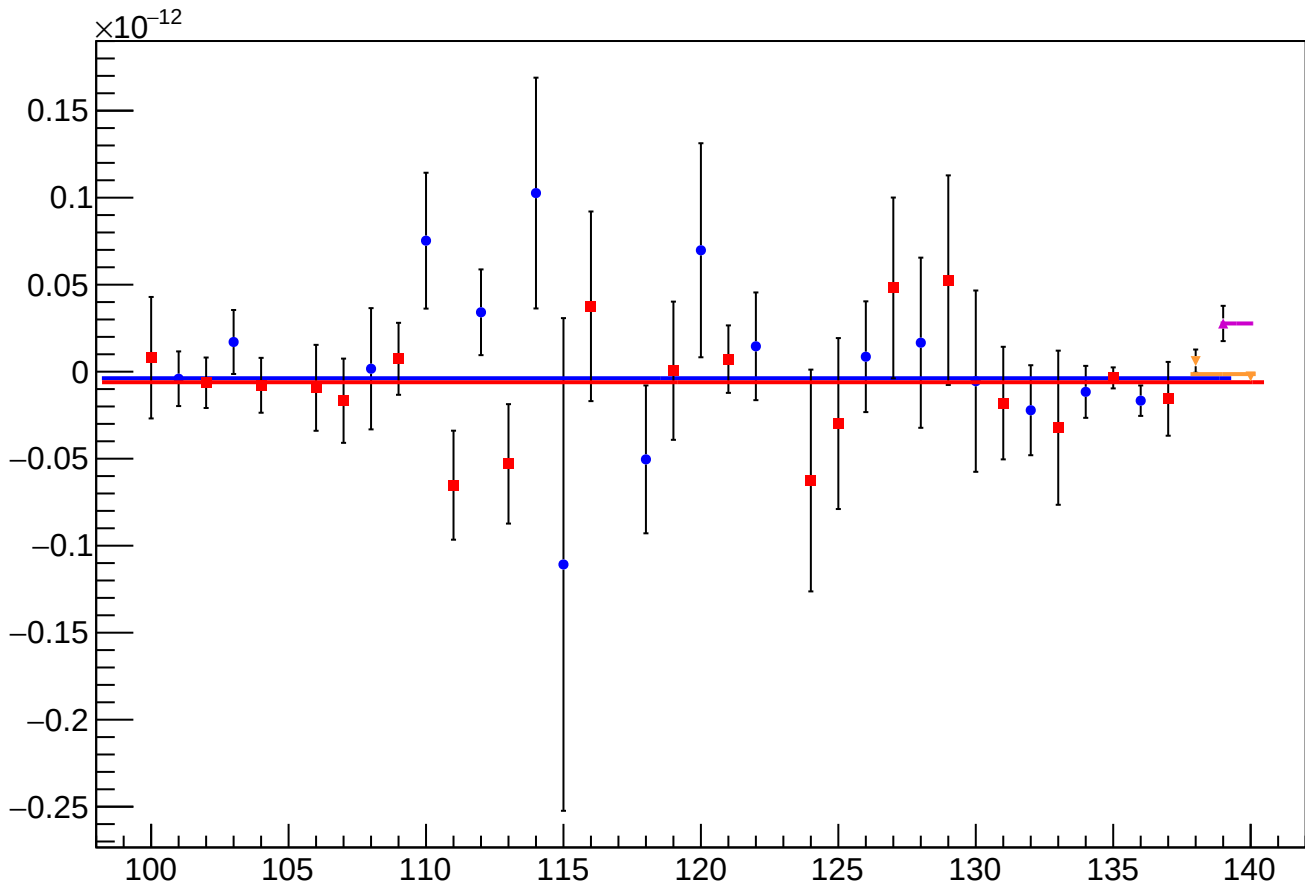
Left In: 37.558 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 22.637 $\pm$ 0.006 χ^2 /NDF: 2278911.2/17

All: 22.331 $\pm$ 0.004 χ^2 /NDF: 3884053.1/37

- sign 22.033 $\pm$ 0.006 χ^2 /NDF: 1599962.3/19

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 : 1.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.3/18

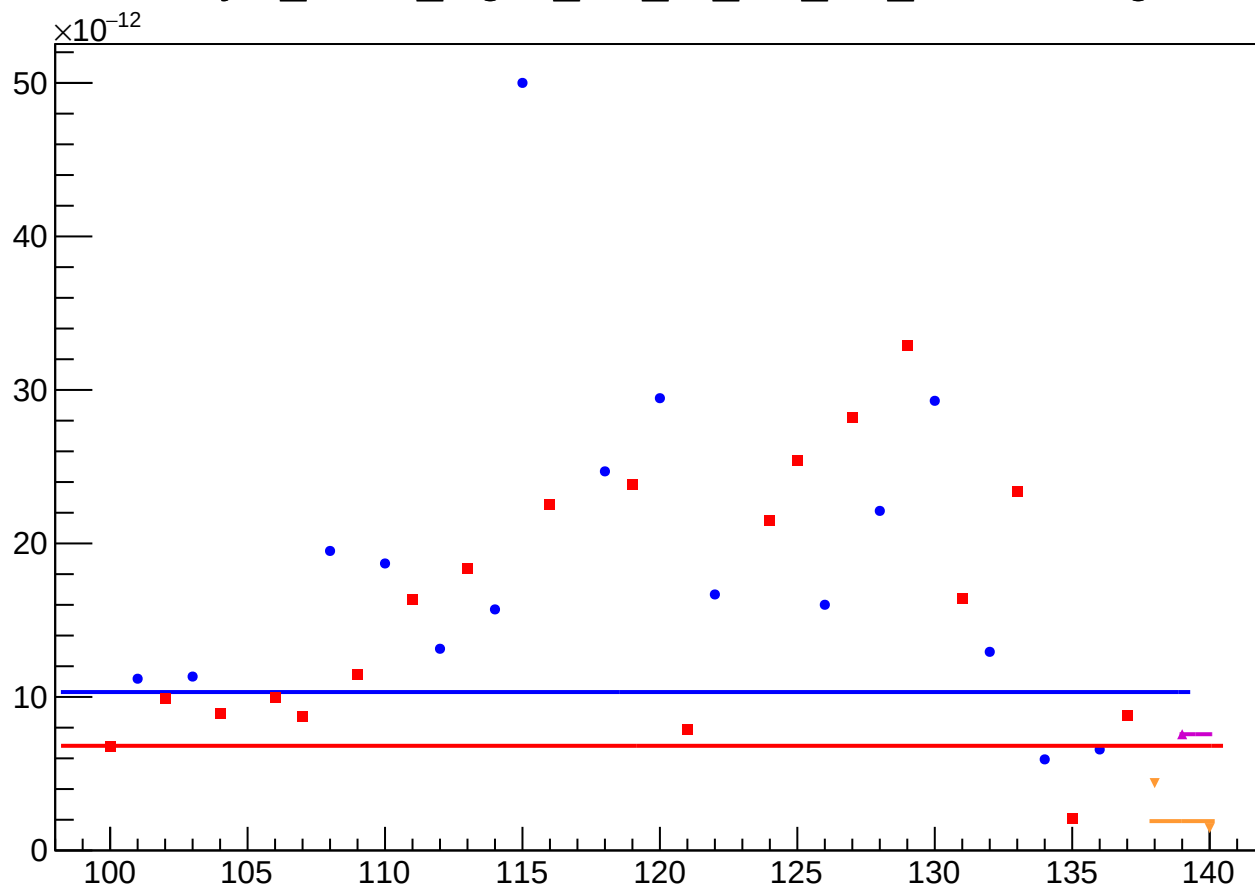
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 18.8/17

All: -0.000 ± 0.000 χ^2/NDF : 39.5/37

- sign -0.000 ± 0.000 χ^2/NDF : 20.7/19

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 324377.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4021812.9/18

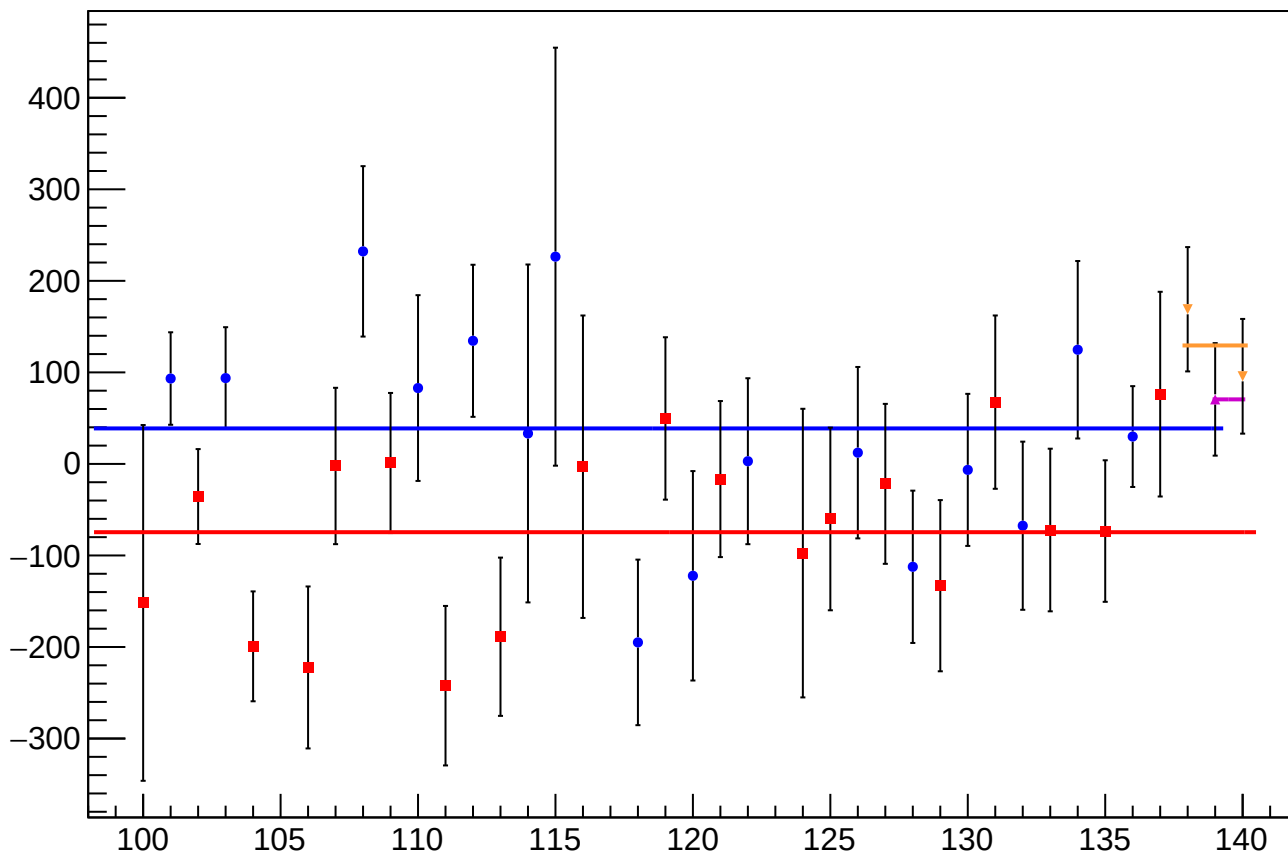
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 6075745.1/17

All: 0.000+/-0.000 χ^2/NDF : 11206339.2/37

- sign 0.000+/-0.000 χ^2/NDF : 4031197.7/19

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782 ± 20.413 $\chi^2/\text{NDF}: 23.3/15$

Left Out: 129.415 ± 46.051 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -74.578 ± 19.802 $\chi^2/\text{NDF}: 22.5/18$

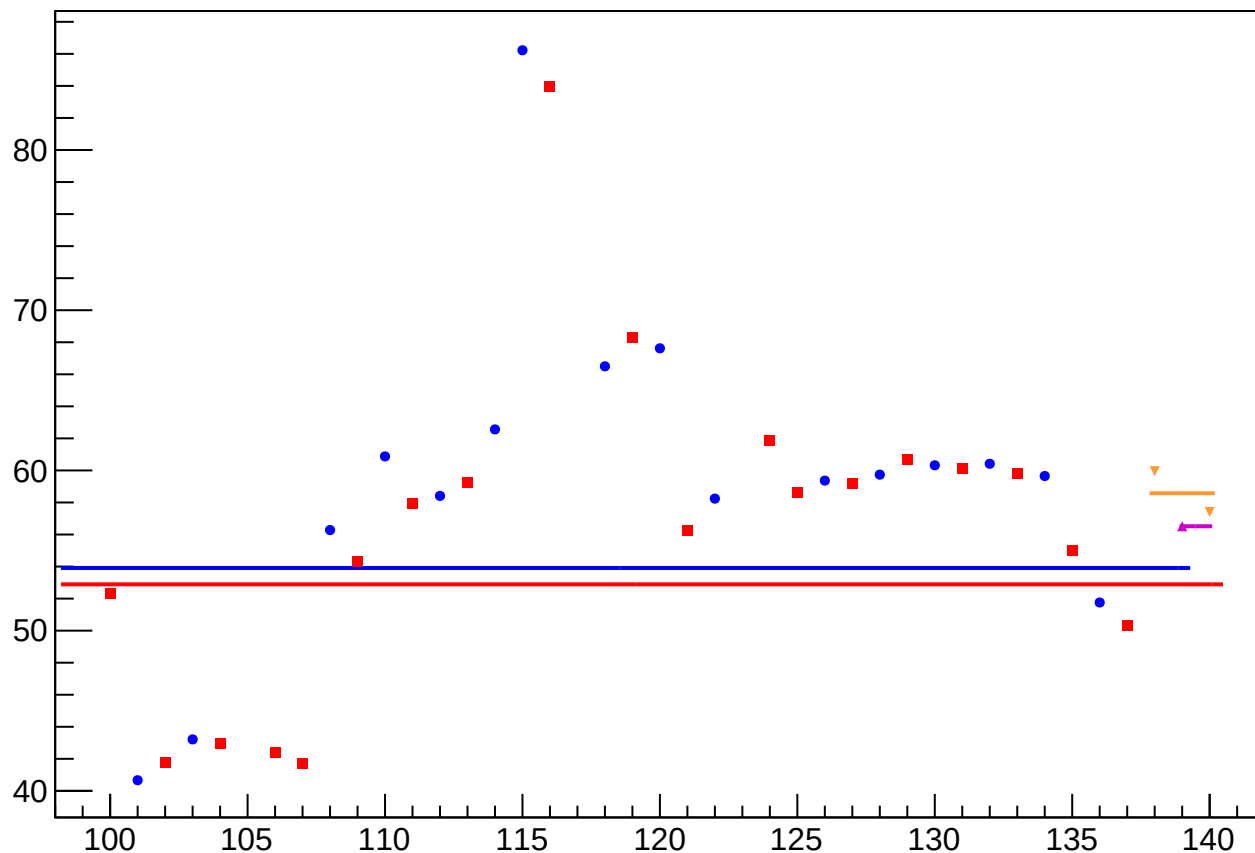
Left In: 70.512 ± 61.460 $\chi^2/\text{NDF}: 0.0/0$

+ sign 53.666 ± 18.662 $\chi^2/\text{NDF}: 27.2/17$

All: -3.066 ± 13.261 $\chi^2/\text{NDF}: 73.3/37$

- sign -60.933 ± 18.848 $\chi^2/\text{NDF}: 27.5/19$

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912 ± 0.014 χ^2/NDF : 393261.4/15

Left Out: 58.577 ± 0.033 χ^2/NDF : 1516.6/1

Right Out: 52.889 ± 0.014 χ^2/NDF : 425226.7/18

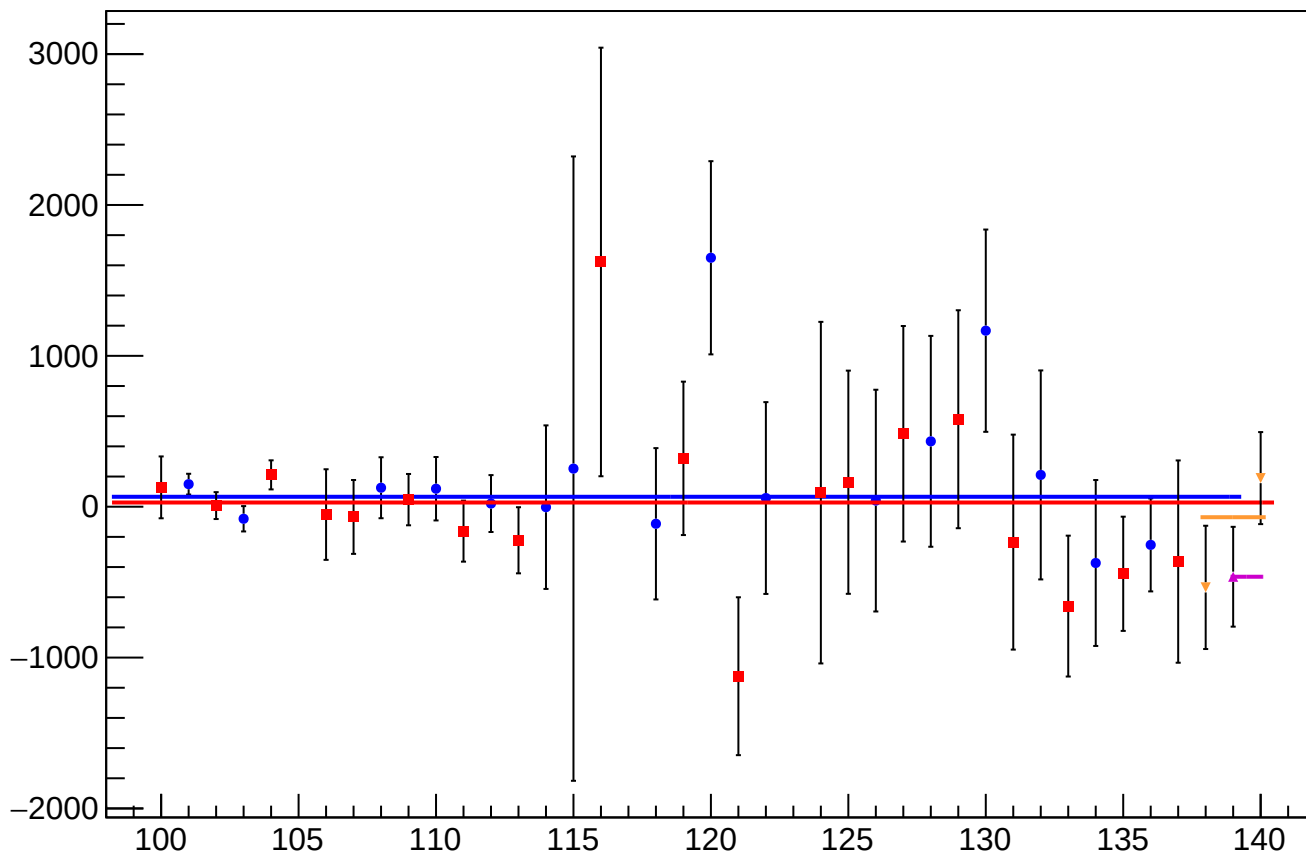
Left In: 56.516 ± 0.043 χ^2/NDF : 0.0/0

+ sign 54.678 ± 0.013 χ^2/NDF : 411927.3/17

All: 53.961 ± 0.009 χ^2/NDF : 849427.7/37

- sign 53.230 ± 0.013 χ^2/NDF : 431538.1/19

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF : 15.7/15

Left Out: -69.592+/-244.420 χ^2/NDF : 2.0/1

Right Out: 27.850+/-50.291 χ^2/NDF : 18.0/18

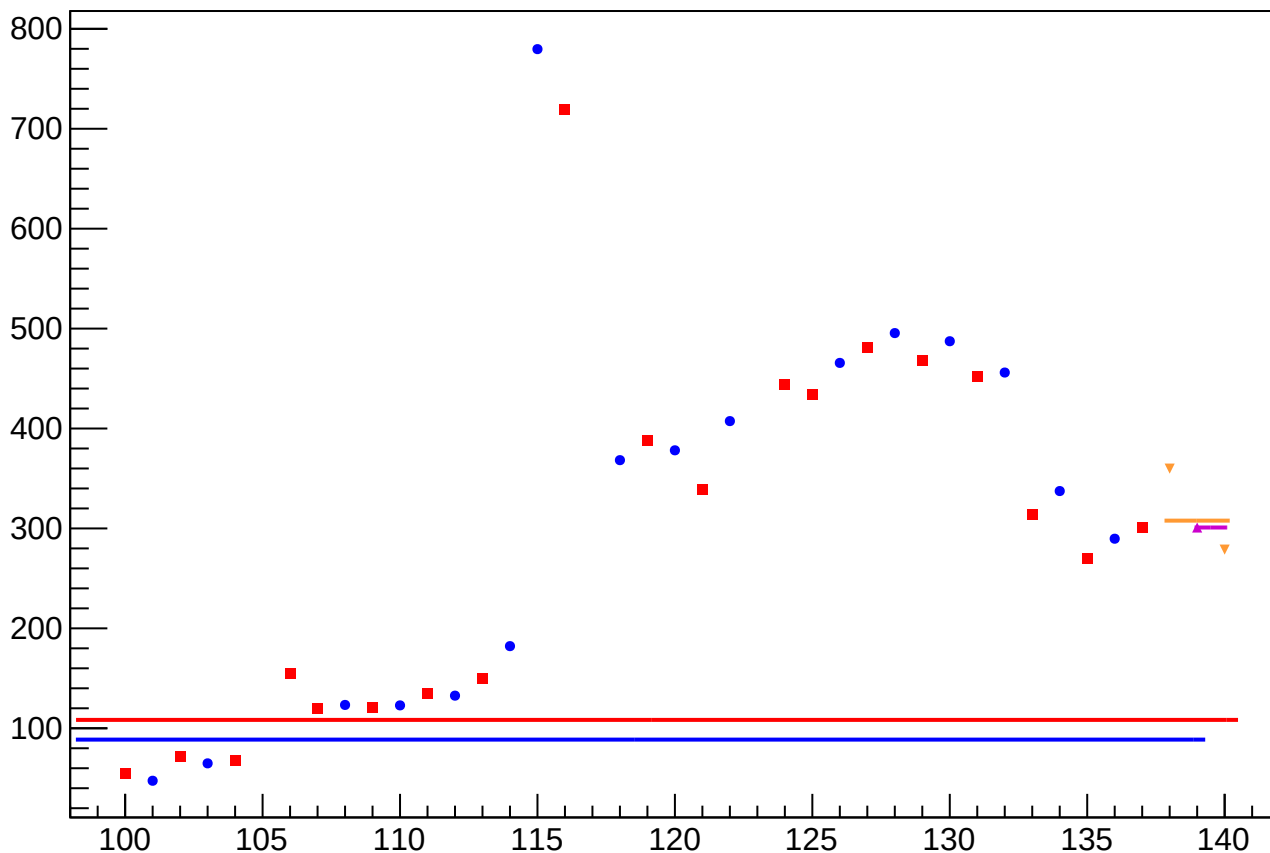
Left In: -464.157+/-330.834 χ^2/NDF : 0.0/0

+ sign 61.126+/-45.660 χ^2/NDF : 18.0/17

All: 40.818+/-33.631 χ^2/NDF : 38.6/37

- sign 16.737+/-49.720 χ^2/NDF : 20.2/19

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF : 6648055.6/15

Left Out: 307.808+/-0.173 χ^2/NDF : 50545.7/1

Right Out: 108.385+/-0.036 χ^2/NDF : 5362841.6/18

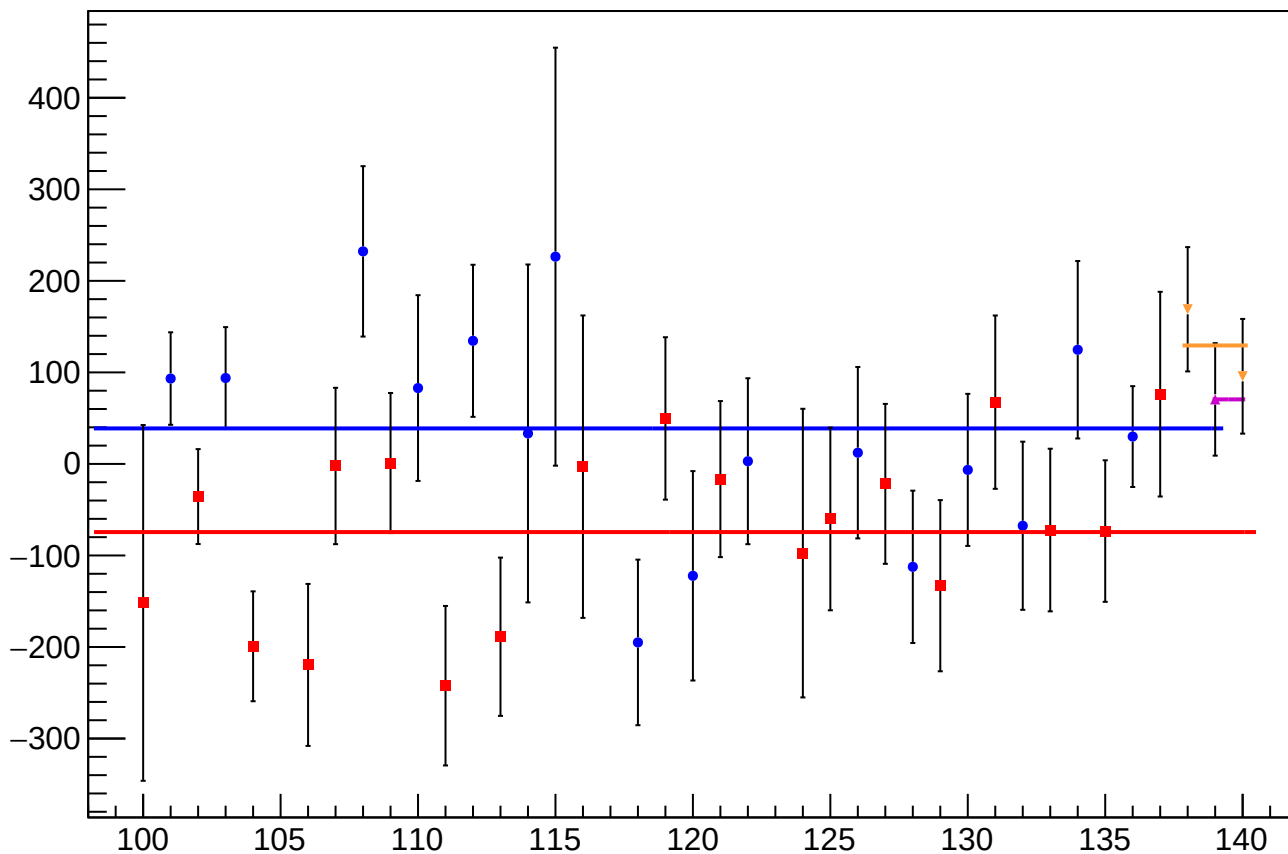
Left In: 300.927+/-0.234 χ^2/NDF : 0.0/0

+ sign 96.306+/-0.032 χ^2/NDF : 8250316.6/17

All: 103.822+/-0.024 χ^2/NDF : 14393733.3/37

- sign 112.734+/-0.035 χ^2/NDF : 6024965.4/19

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 $\pm$ 20.413 χ^2 /NDF: 23.3/15

Left Out: 129.418 $\pm$ 46.051 χ^2 /NDF:0.6/1

Right Out: -74.442 $\pm$ 19.803 χ^2 /NDF: 22.3/18

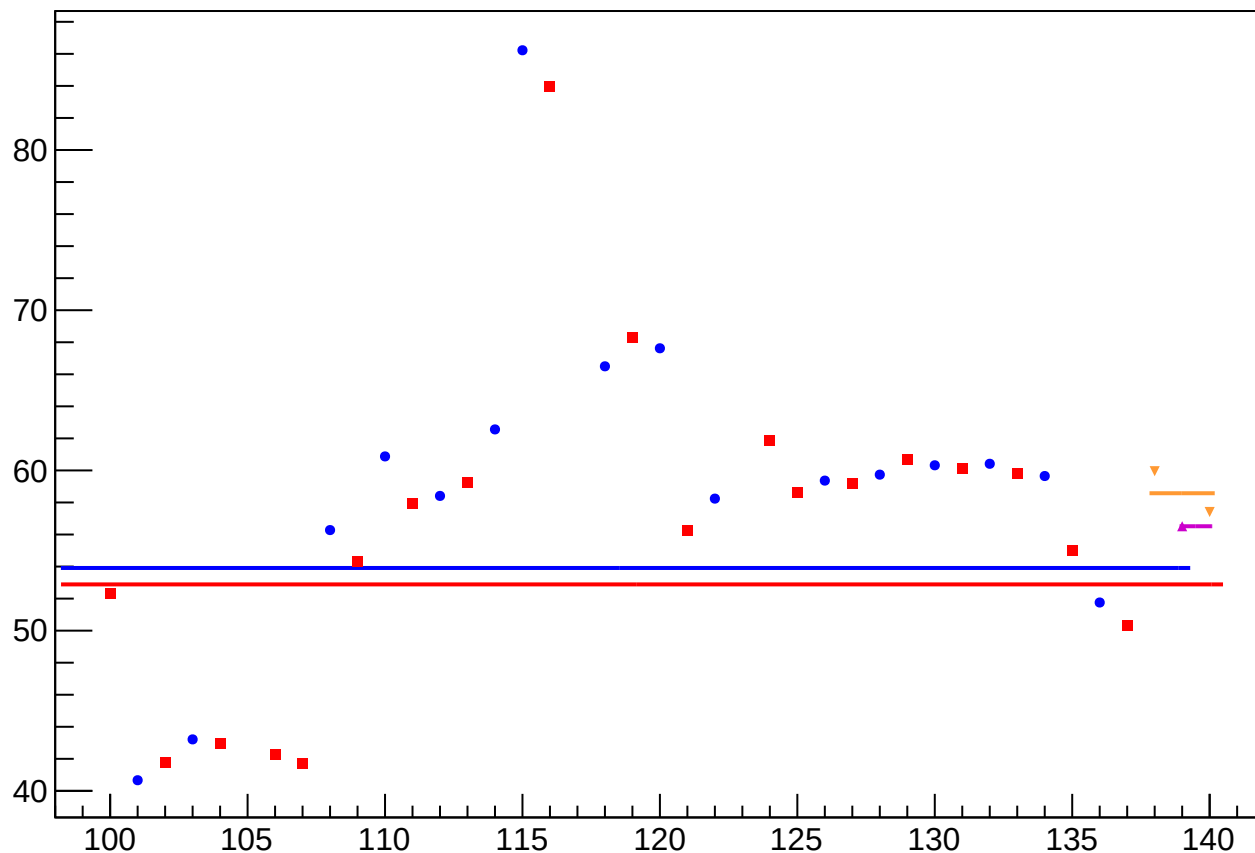
Left In: 70.511 $\pm$ 61.460 χ^2 /NDF:0.0/0

+ sign 53.676 $\pm$ 18.662 χ^2 /NDF: 27.2/17

All: -2.995 $\pm$ 13.261 χ^2 /NDF: 73.2/37

- sign -60.808 $\pm$ 18.849 χ^2 /NDF: 27.4/19

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393260.8/15

Left Out: 58.577 $\pm$ 0.033 χ^2 /NDF: 1516.6/1

Right Out: 52.887 $\pm$ 0.014 χ^2 /NDF: 425534.3/18

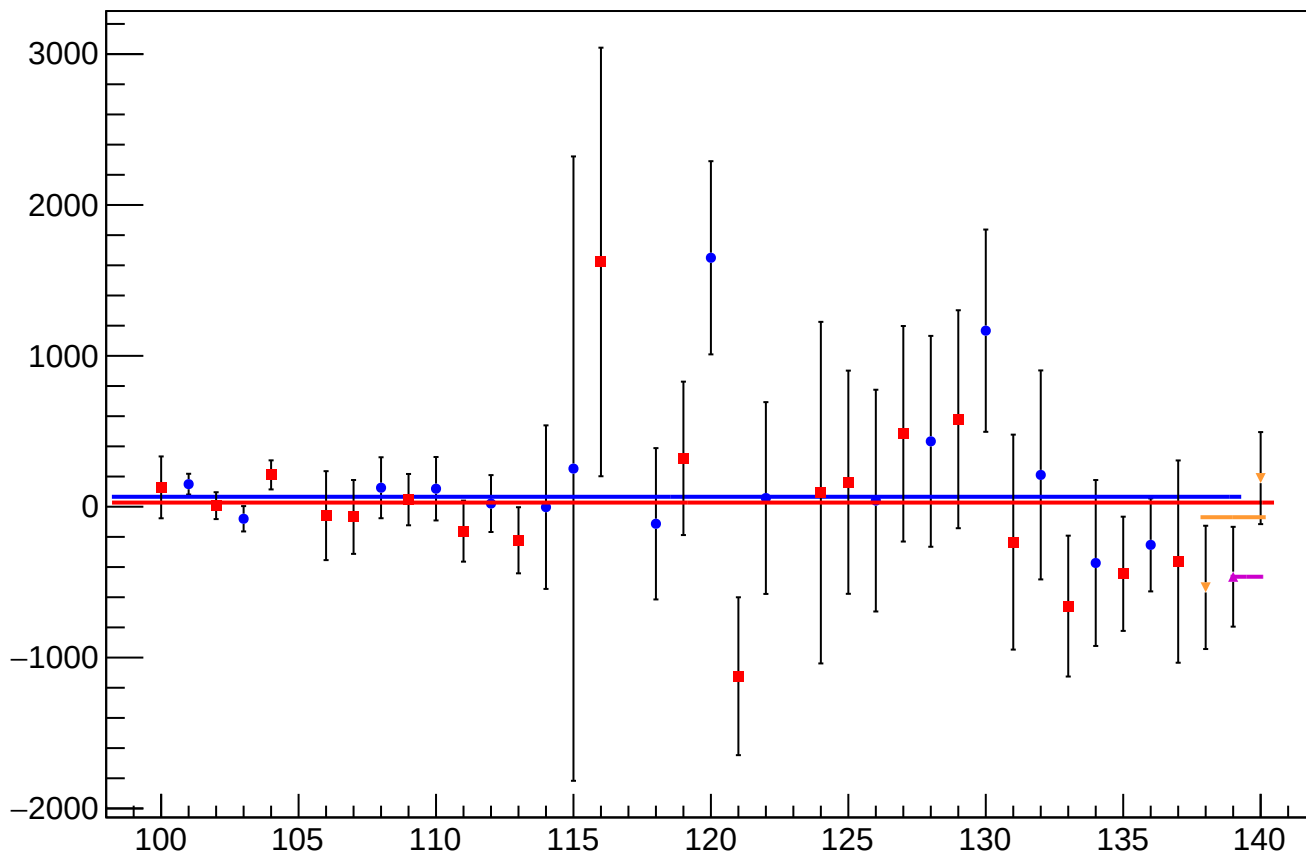
Left In: 56.516 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 54.678 $\pm$ 0.013 χ^2 /NDF: 411926.6/17

All: 53.960 $\pm$ 0.009 χ^2 /NDF: 849758.4/37

- sign 53.228 $\pm$ 0.013 χ^2 /NDF: 431853.5/19

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857 $\pm$ 46.477 χ^2 /NDF: 15.7/15

Left Out: -69.584 $\pm$ 244.420 χ^2 /NDF: 2.0/1

Right Out: 27.406 $\pm$ 50.249 χ^2 /NDF: 18.0/18

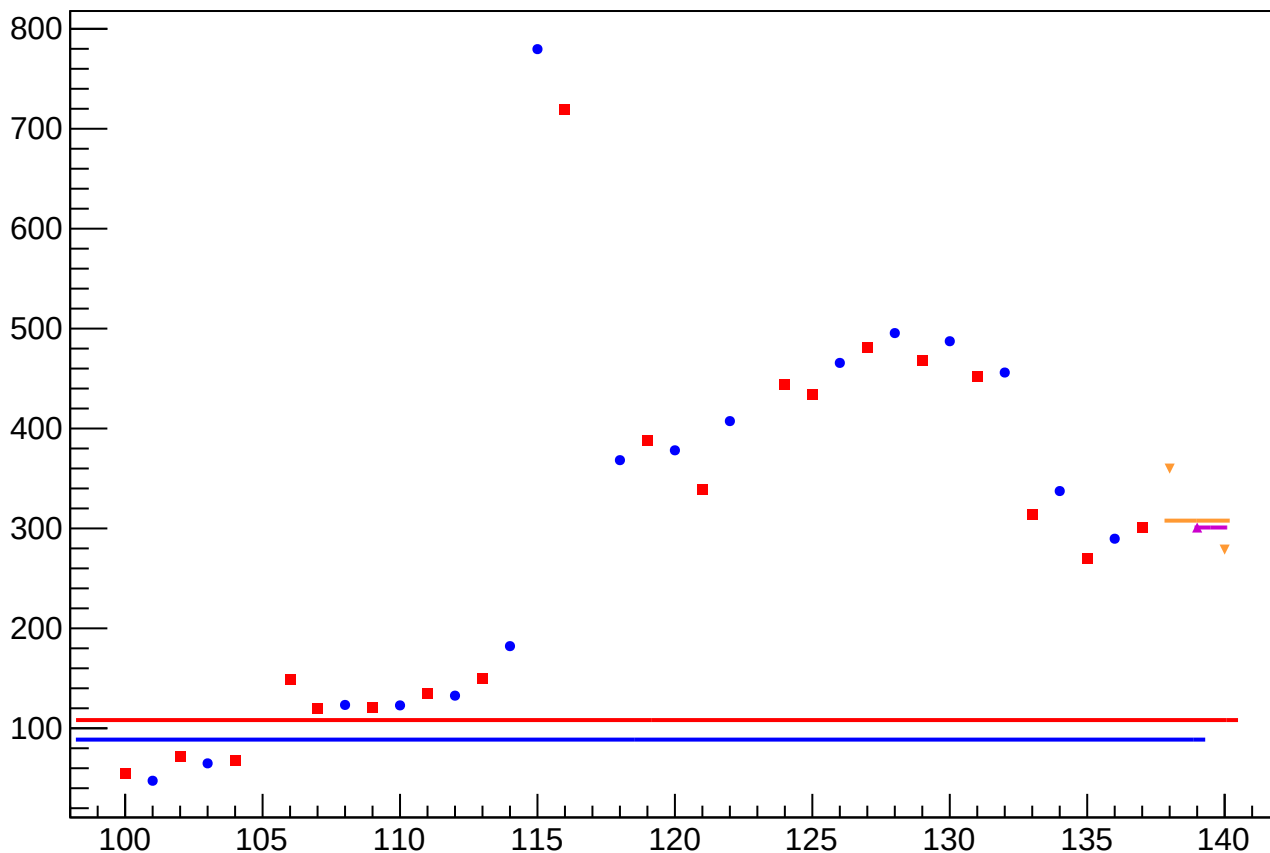
Left In: -464.156 $\pm$ 330.834 χ^2 /NDF: 0.0/0

+ sign 61.130 $\pm$ 45.659 χ^2 /NDF: 18.0/17

All: 40.612 $\pm$ 33.617 χ^2 /NDF: 38.6/37

- sign 16.322 $\pm$ 49.679 χ^2 /NDF: 20.2/19

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF : 50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

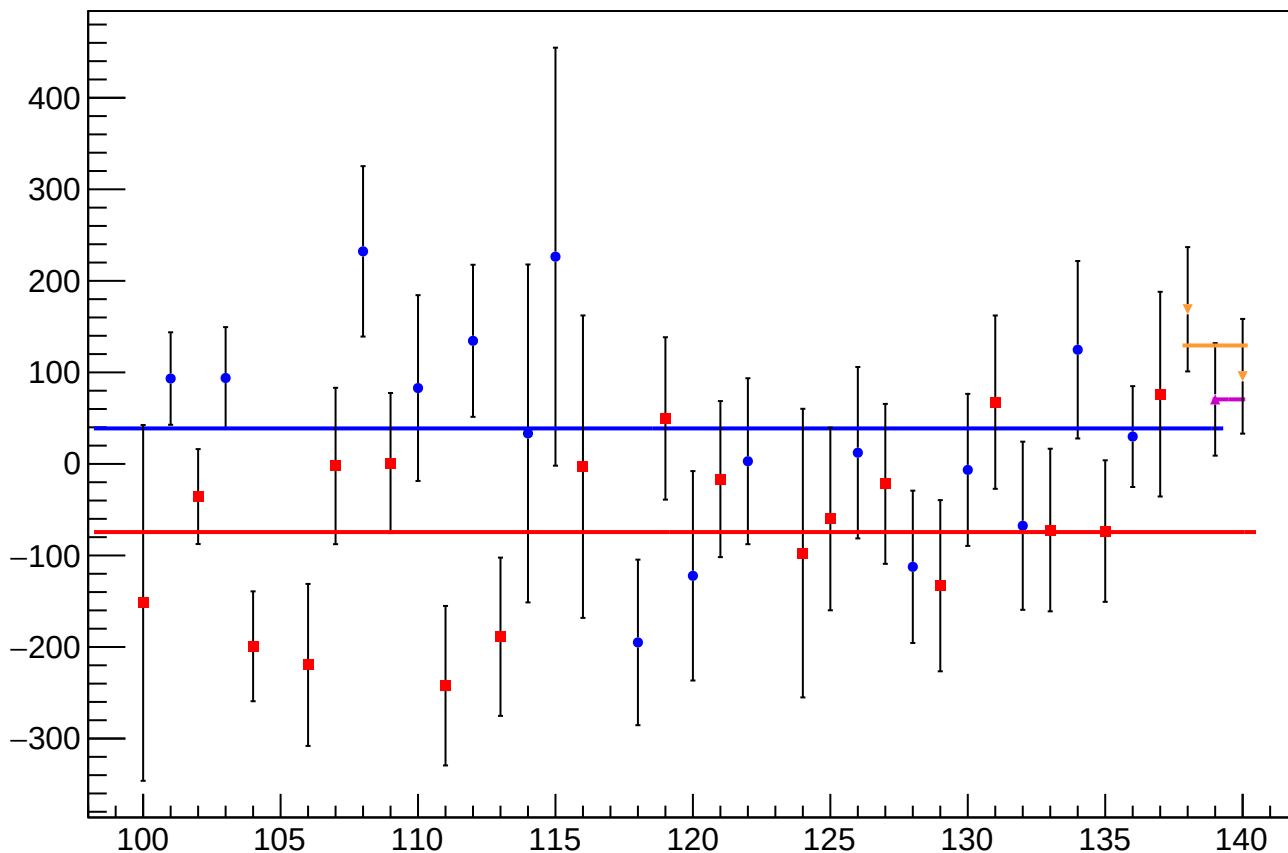
Left In: 300.927+/-0.234 χ^2/NDF : 0.0/0

+ sign 96.303+/-0.032 χ^2/NDF : 8250436.0/17

All: 103.744+/-0.024 χ^2/NDF : 14384668.7/37

- sign 112.552+/-0.035 χ^2/NDF : 6018241.7/19

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 $\pm$ 20.413 χ^2 /NDF: 23.3/15

Left Out: 129.418 $\pm$ 46.051 χ^2 /NDF:0.6/1

Right Out: -74.442 $\pm$ 19.803 χ^2 /NDF: 22.3/18

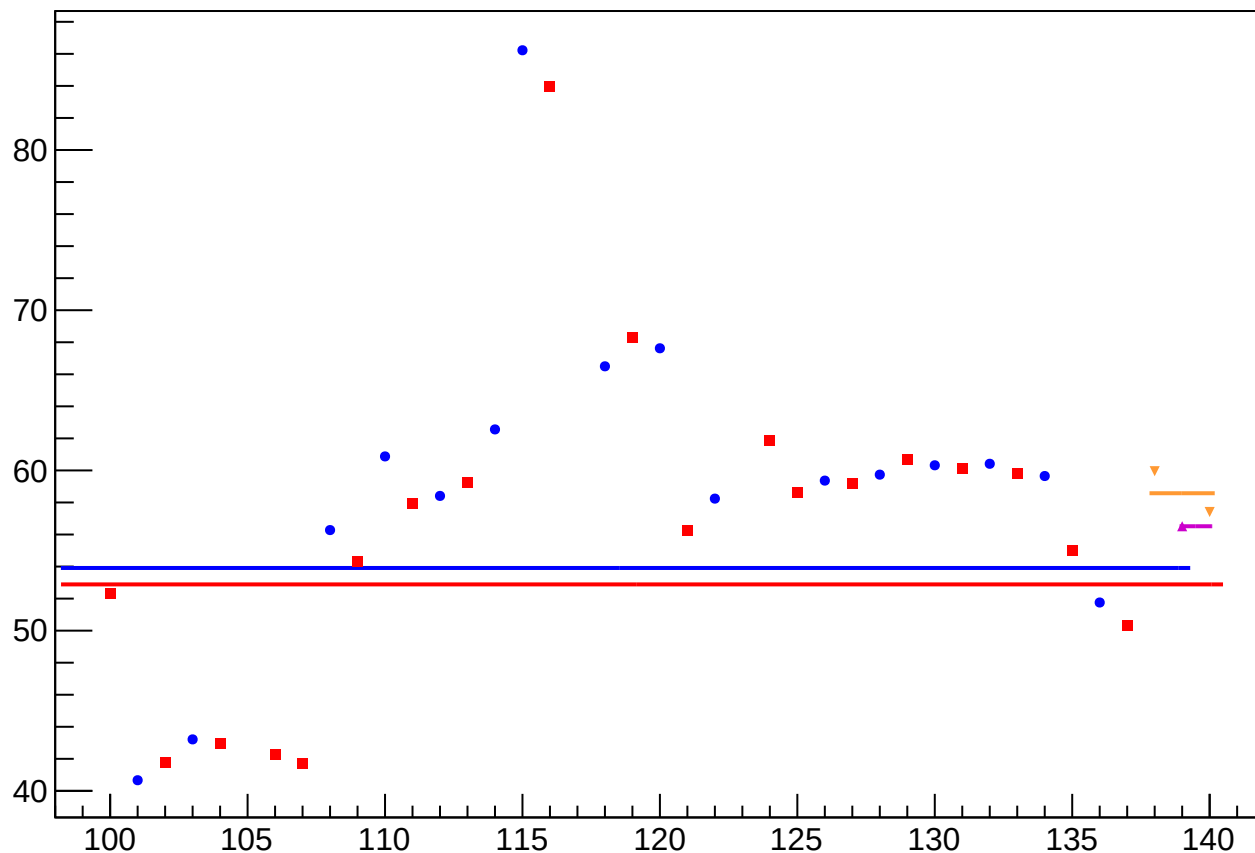
Left In: 70.511 $\pm$ 61.460 χ^2 /NDF:0.0/0

+ sign 53.676 $\pm$ 18.662 χ^2 /NDF: 27.2/17

All: -2.995 $\pm$ 13.261 χ^2 /NDF: 73.2/37

- sign -60.808 $\pm$ 18.849 χ^2 /NDF: 27.4/19

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393260.8/15

Left Out: 58.577 $\pm$ 0.033 χ^2 /NDF:1516.6/1

Right Out: 52.887 $\pm$ 0.014 χ^2 /NDF: 425534.3/18

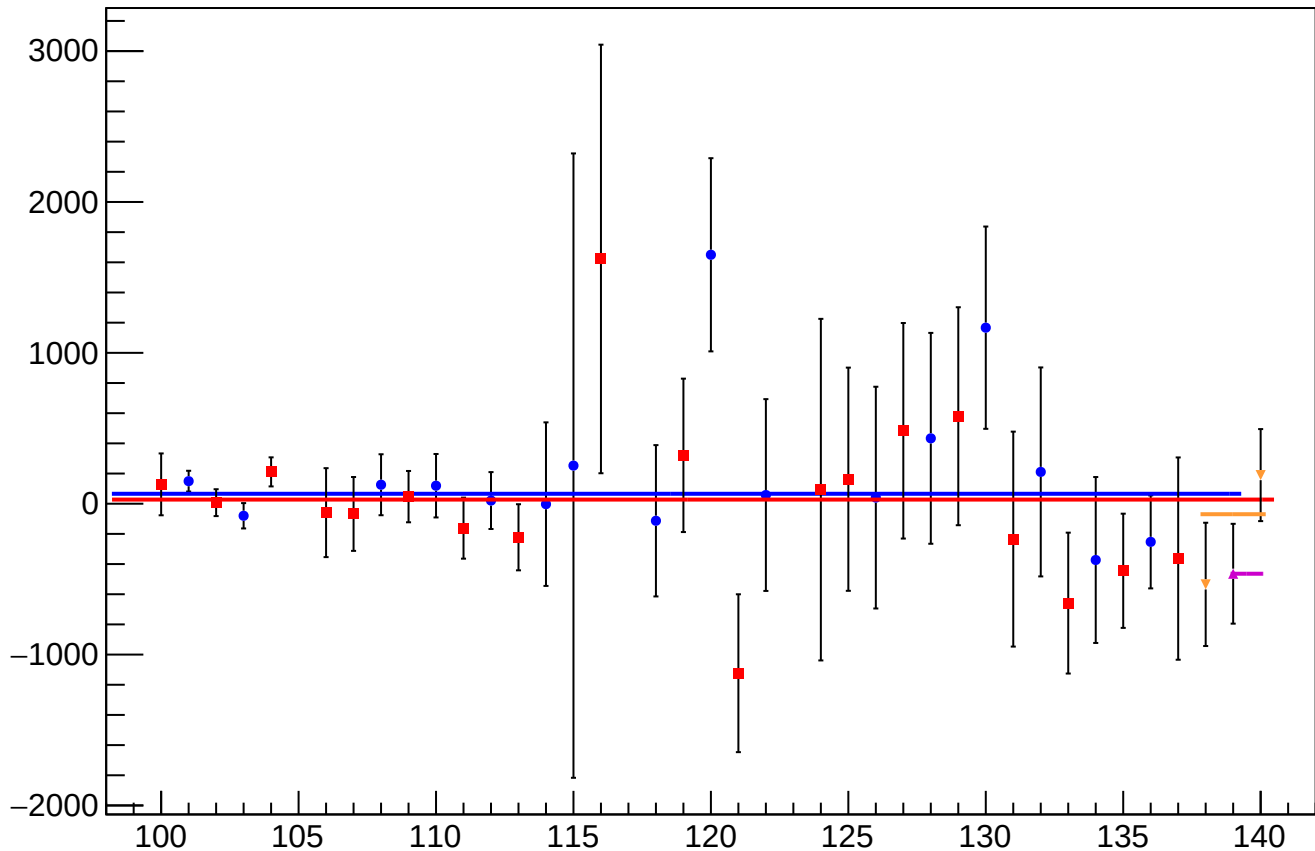
Left In: 56.516 $\pm$ 0.043 χ^2 /NDF:0.0/0

+ sign 54.678 $\pm$ 0.013 χ^2 /NDF: 411926.6/17

All: 53.960 $\pm$ 0.009 χ^2 /NDF: 849758.4/37

- sign 53.228 $\pm$ 0.013 χ^2 /NDF: 431853.5/19

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 65.857 $\pm$ 46.477 χ^2 /NDF: 15.7/15

Left Out: -69.584 $\pm$ 244.420 χ^2 /NDF: 2.0/1

Right Out: 27.406 $\pm$ 50.249 χ^2 /NDF: 18.0/18

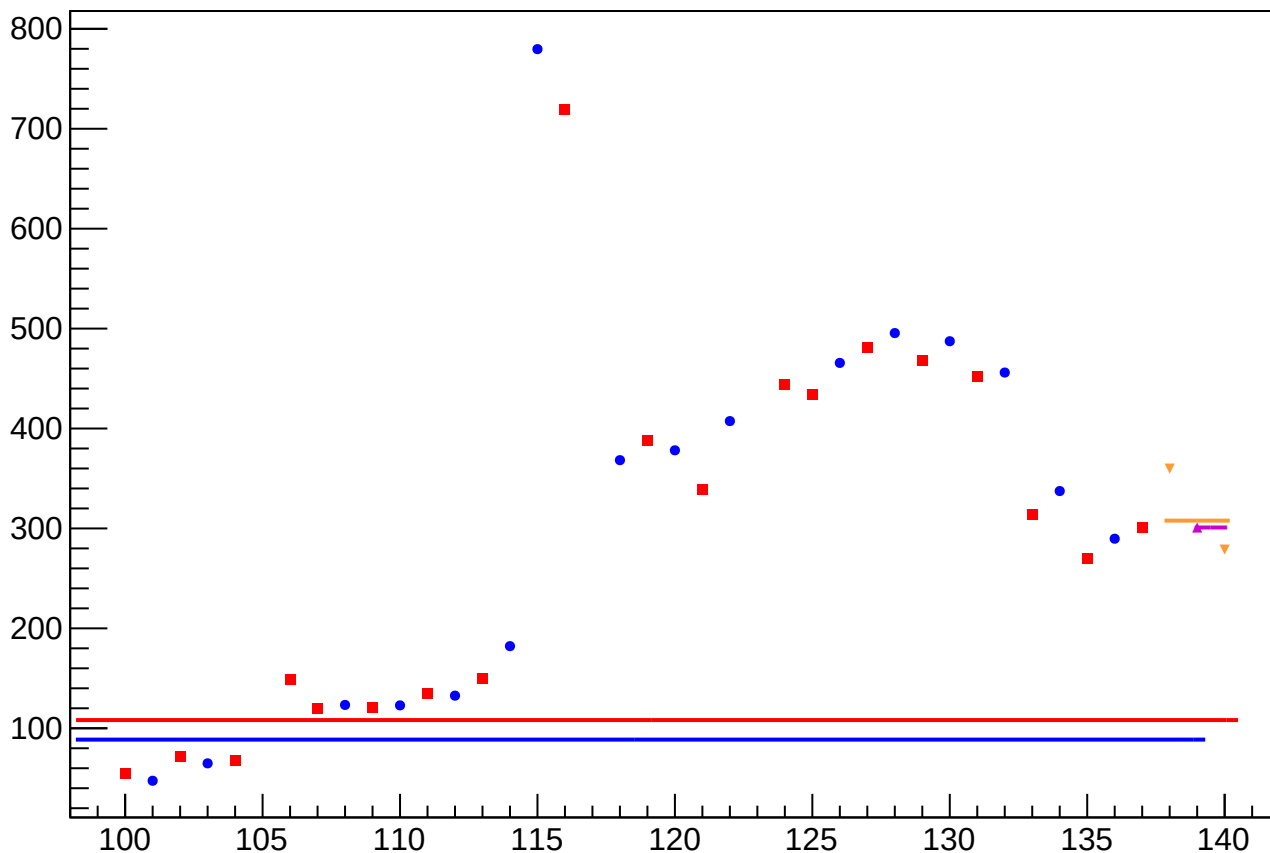
Left In: -464.156 $\pm$ 330.834 χ^2 /NDF: 0.0/0

+ sign 61.130 $\pm$ 45.659 χ^2 /NDF: 18.0/17

All: 40.612 $\pm$ 33.617 χ^2 /NDF: 38.6/37

- sign 16.322 $\pm$ 49.679 χ^2 /NDF: 20.2/19

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF : 50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

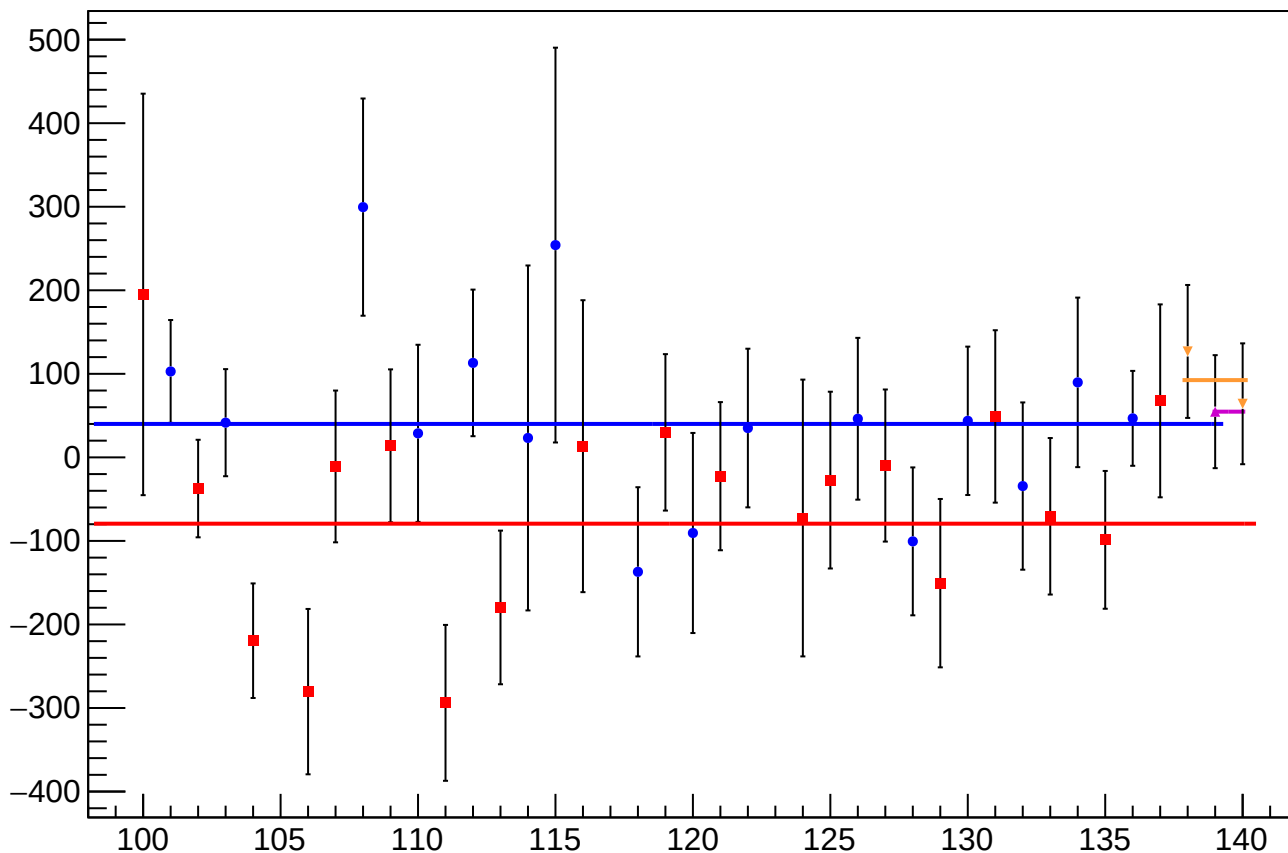
Left In: 300.927+/-0.234 χ^2/NDF : 0.0/0

+ sign 96.303+/-0.032 χ^2/NDF : 8250436.0/17

All: 103.744+/-0.024 χ^2/NDF : 14384668.7/37

- sign 112.552+/-0.035 χ^2/NDF : 6018241.7/19

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 $\pm$ 22.515 χ^2 /NDF: 14.1/15

Left Out: 92.485 $\pm$ 53.523 χ^2 /NDF: 0.3/1

Right Out: -79.378 $\pm$ 21.577 χ^2 /NDF: 24.8/18

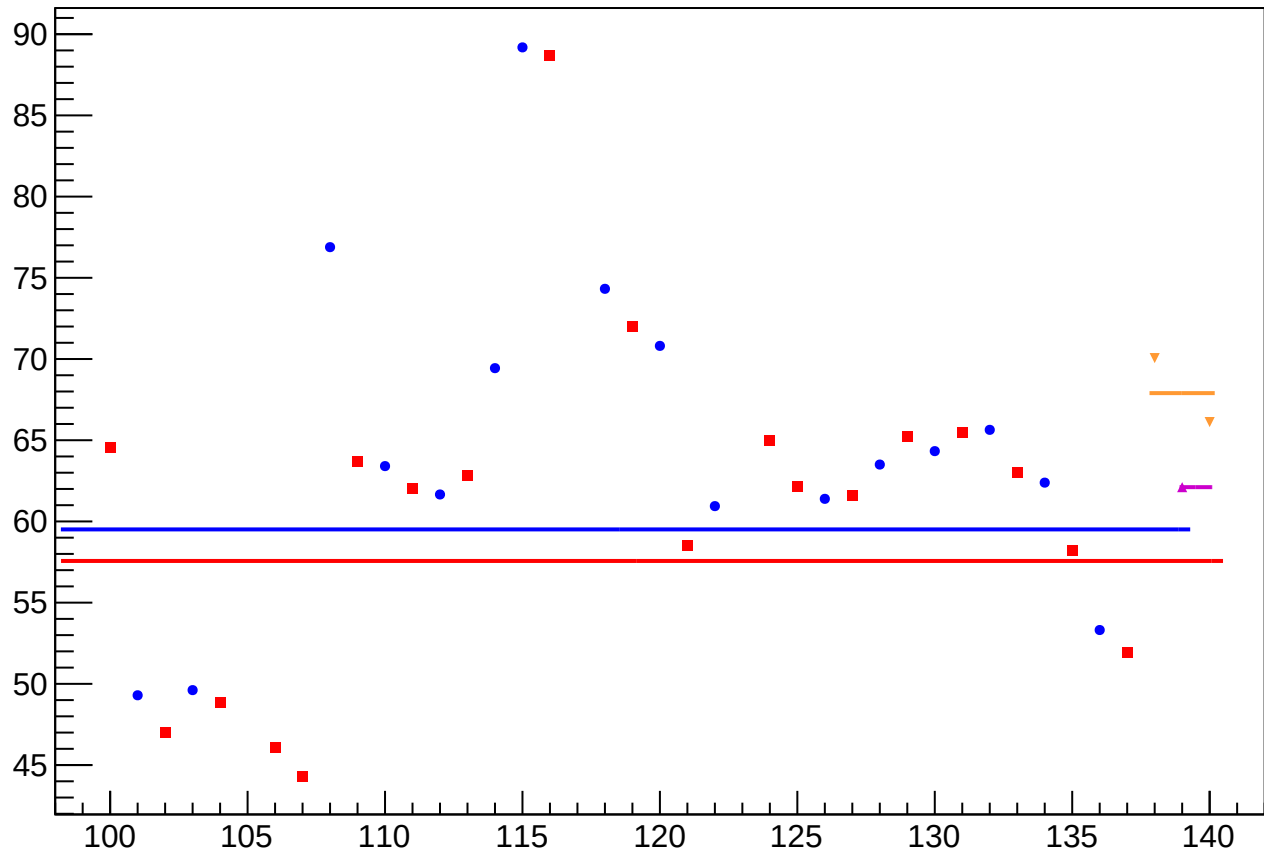
Left In: 54.713 $\pm$ 67.639 χ^2 /NDF: 0.0/0

+ sign 47.916 $\pm$ 20.753 χ^2 /NDF: 15.3/17

All: -10.086 $\pm$ 14.605 χ^2 /NDF: 59.2/37

- sign -66.993 $\pm$ 20.556 χ^2 /NDF: 28.4/19

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF : 283192.7/15

Left Out: 67.900+/-0.038 χ^2/NDF : 2683.3/1

Right Out: 57.567+/-0.015 χ^2/NDF : 347377.8/18

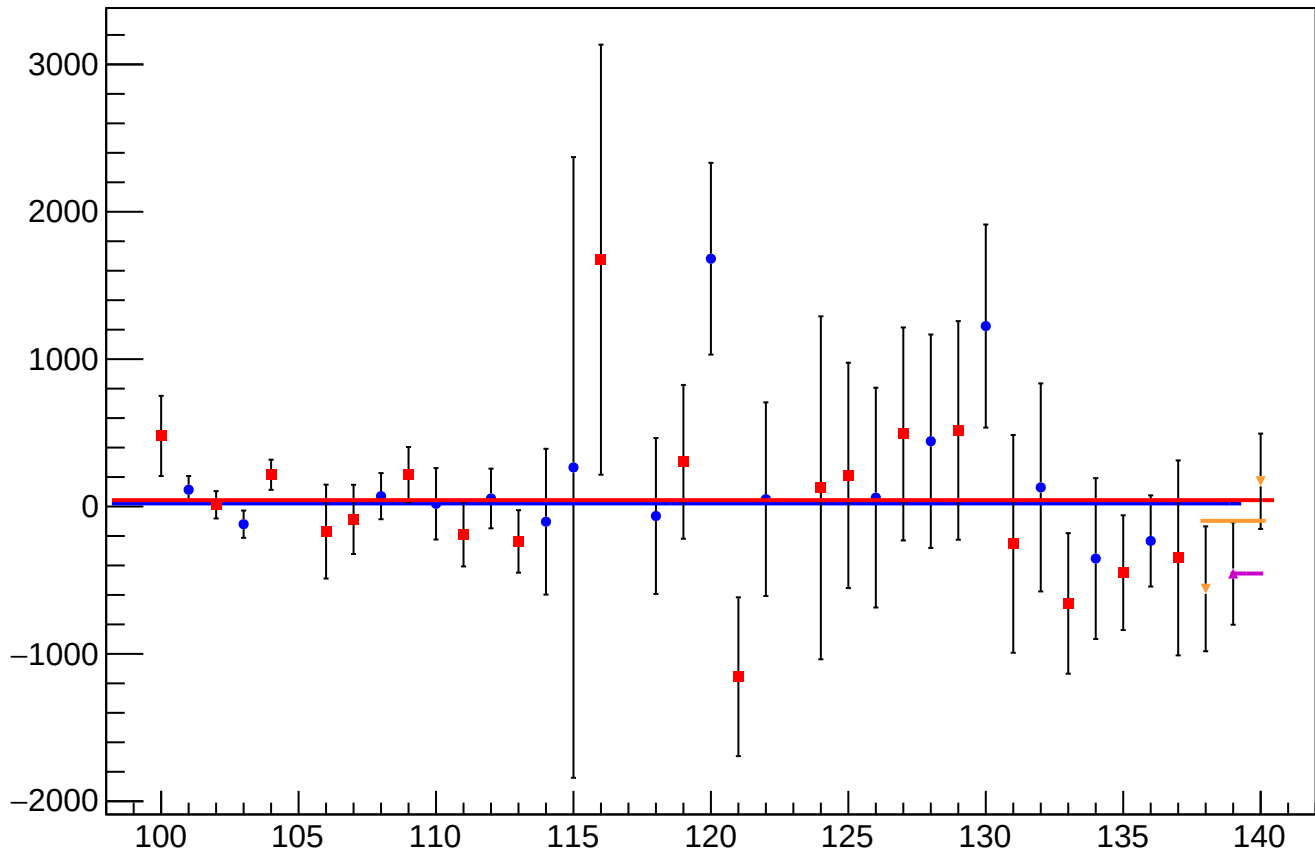
Left In: 62.111+/-0.048 χ^2/NDF : 0.0/0

+ sign 60.770+/-0.015 χ^2/NDF : 327646.5/17

All: 59.365+/-0.010 χ^2/NDF : 701381.4/37

- sign 57.986+/-0.015 χ^2/NDF : 355569.4/19

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840 $\pm$ 53.585 χ^2 /NDF: 14.6/15

Left Out: -97.155 $\pm$ 257.018 χ^2 /NDF:1.9/1

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

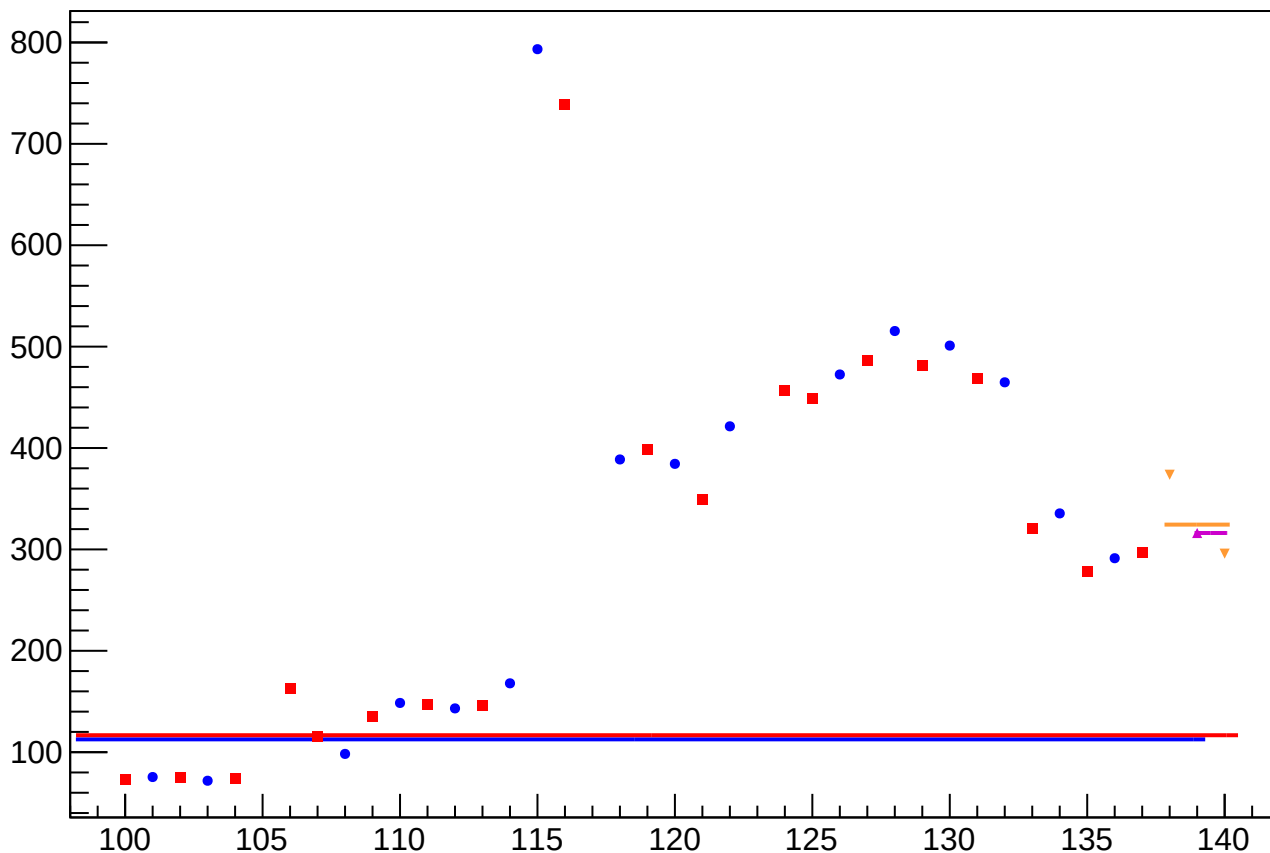
Left In: -454.671 $\pm$ 347.426 χ^2 /NDF:0.0/0

+ sign 15.925 $\pm$ 52.457 χ^2 /NDF: 16.7/17

All: 23.866 $\pm$ 37.142 χ^2 /NDF: 40.3/37

- sign 31.850 $\pm$ 52.597 χ^2 /NDF: 23.5/19

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668 $\pm$ 0.038 χ^2 /NDF: 5599655.1/15

Left Out: 324.460 $\pm$ 0.182 χ^2 /NDF: 42662.7/1

Right Out: 116.733 $\pm$ 0.038 χ^2 /NDF: 5141387.7/18

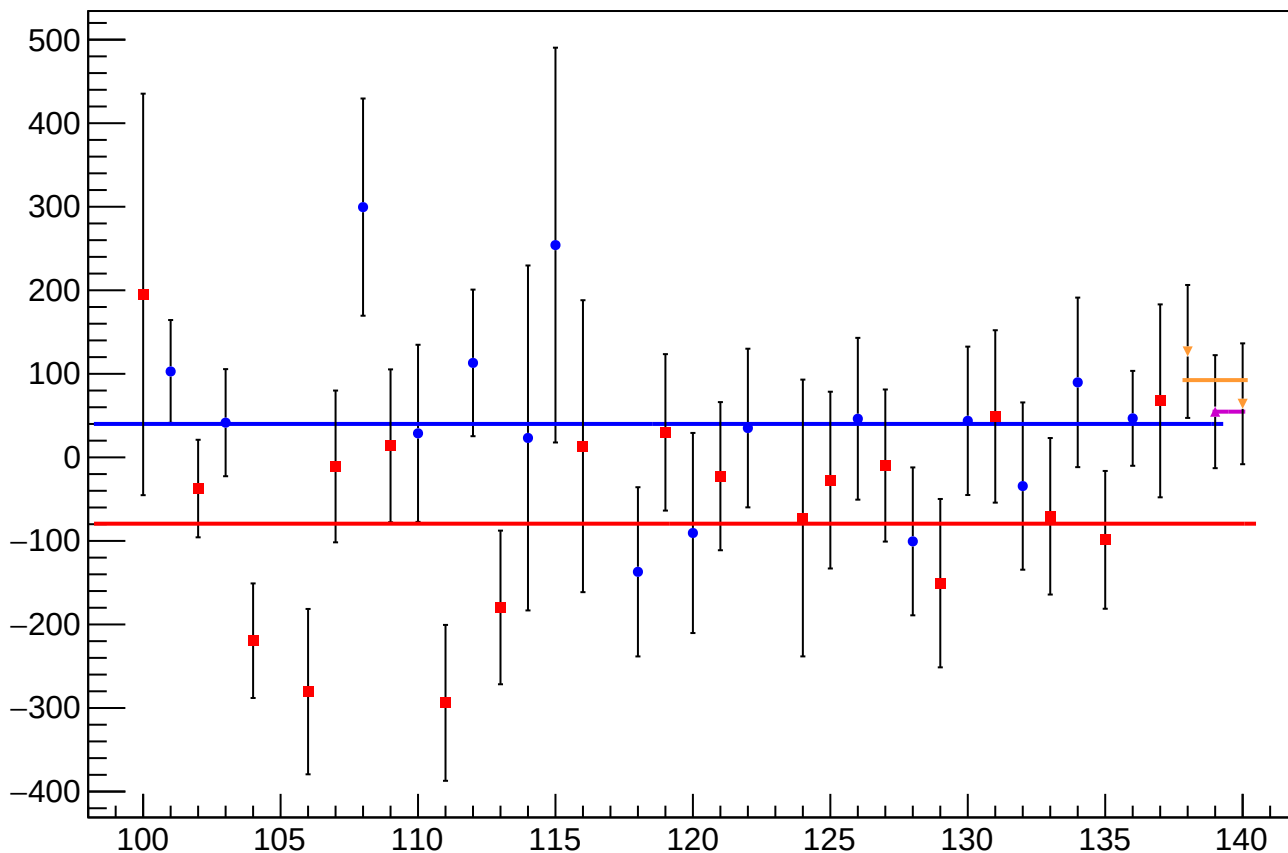
Left In: 316.189 $\pm$ 0.246 χ^2 /NDF: 0.0/0

+ sign 121.491 $\pm$ 0.037 χ^2 /NDF: 6943811.4/17

All: 121.398 $\pm$ 0.026 χ^2 /NDF: 12729281.5/37

- sign 121.304 $\pm$ 0.037 χ^2 /NDF: 5785457.5/19

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 $\pm$ 22.515 χ^2 /NDF: 14.1/15

Left Out: 92.485 $\pm$ 53.523 χ^2 /NDF: 0.3/1

Right Out: -79.378 $\pm$ 21.577 χ^2 /NDF: 24.8/18

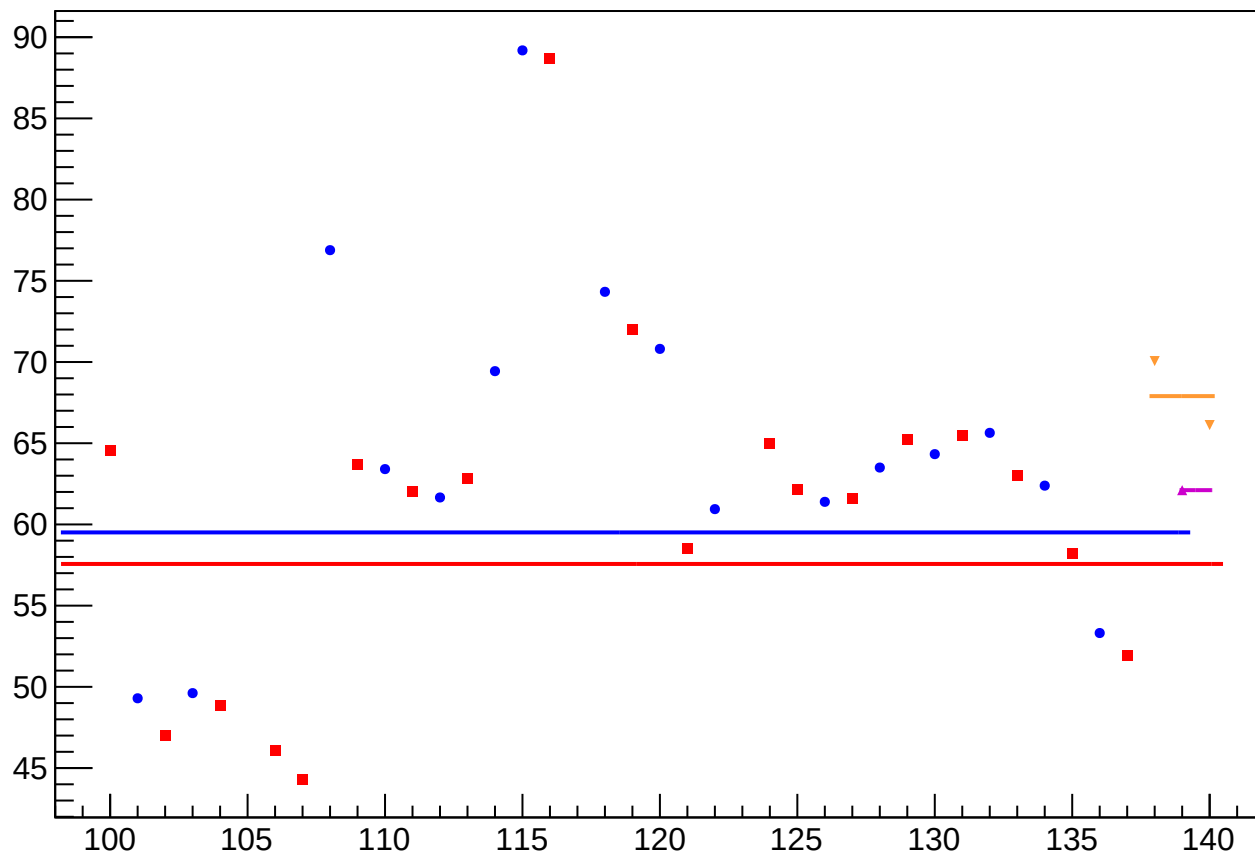
Left In: 54.711 $\pm$ 67.640 χ^2 /NDF: 0.0/0

+ sign 47.916 $\pm$ 20.753 χ^2 /NDF: 15.3/17

All: -10.086 $\pm$ 14.605 χ^2 /NDF: 59.2/37

- sign -66.993 $\pm$ 20.556 χ^2 /NDF: 28.4/19

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF : 283190.4/15

Left Out: 67.901+/-0.038 χ^2/NDF : 2683.3/1

Right Out: 57.567+/-0.015 χ^2/NDF : 347374.2/18

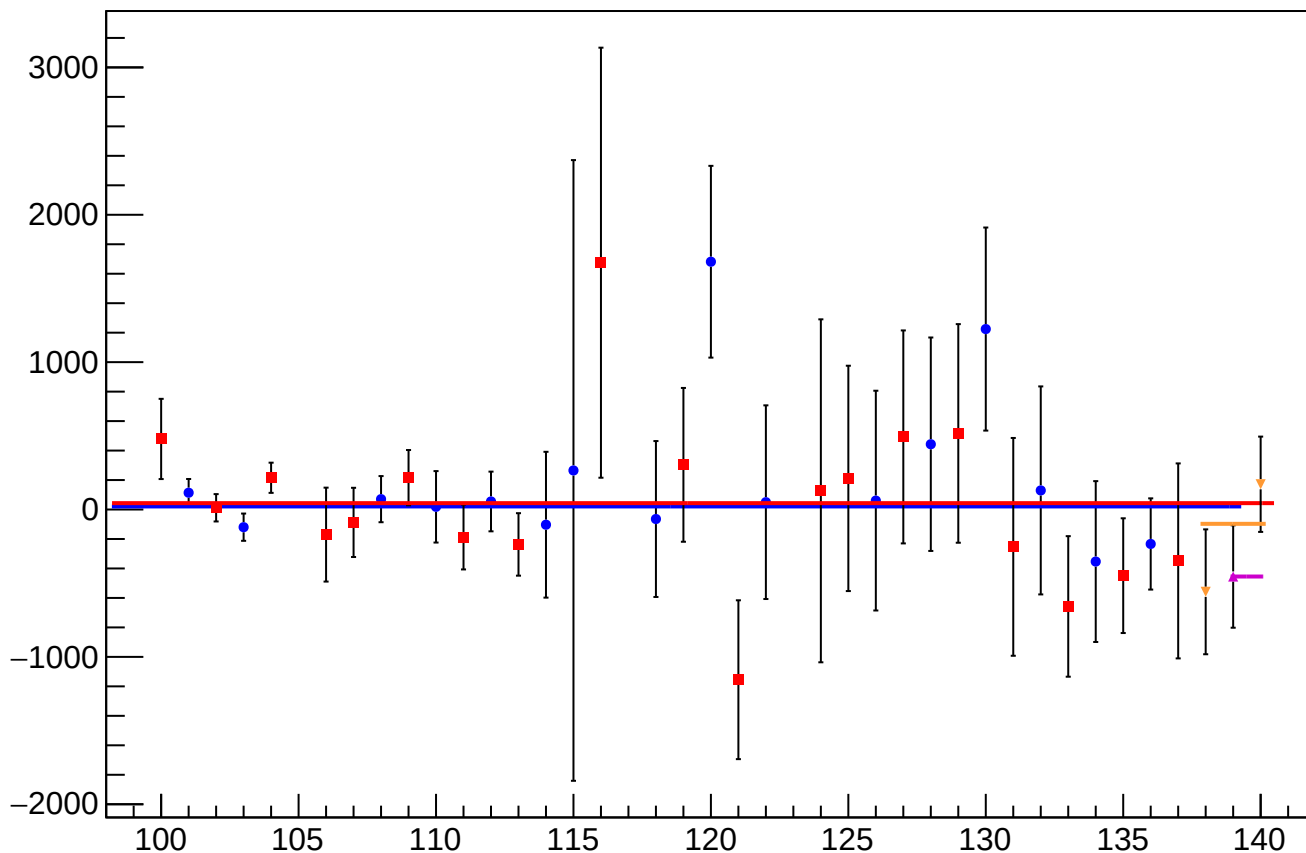
Left In: 62.111+/-0.048 χ^2/NDF : 0.0/0

+ sign 60.770+/-0.015 χ^2/NDF : 327649.5/17

All: 59.365+/-0.010 χ^2/NDF : 701382.7/37

- sign 57.986+/-0.015 χ^2/NDF : 355567.5/19

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 20.840 $\pm$ 53.585 χ^2 /NDF: 14.6/15

Left Out: -97.155 $\pm$ 257.020 χ^2 /NDF:1.9/1

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

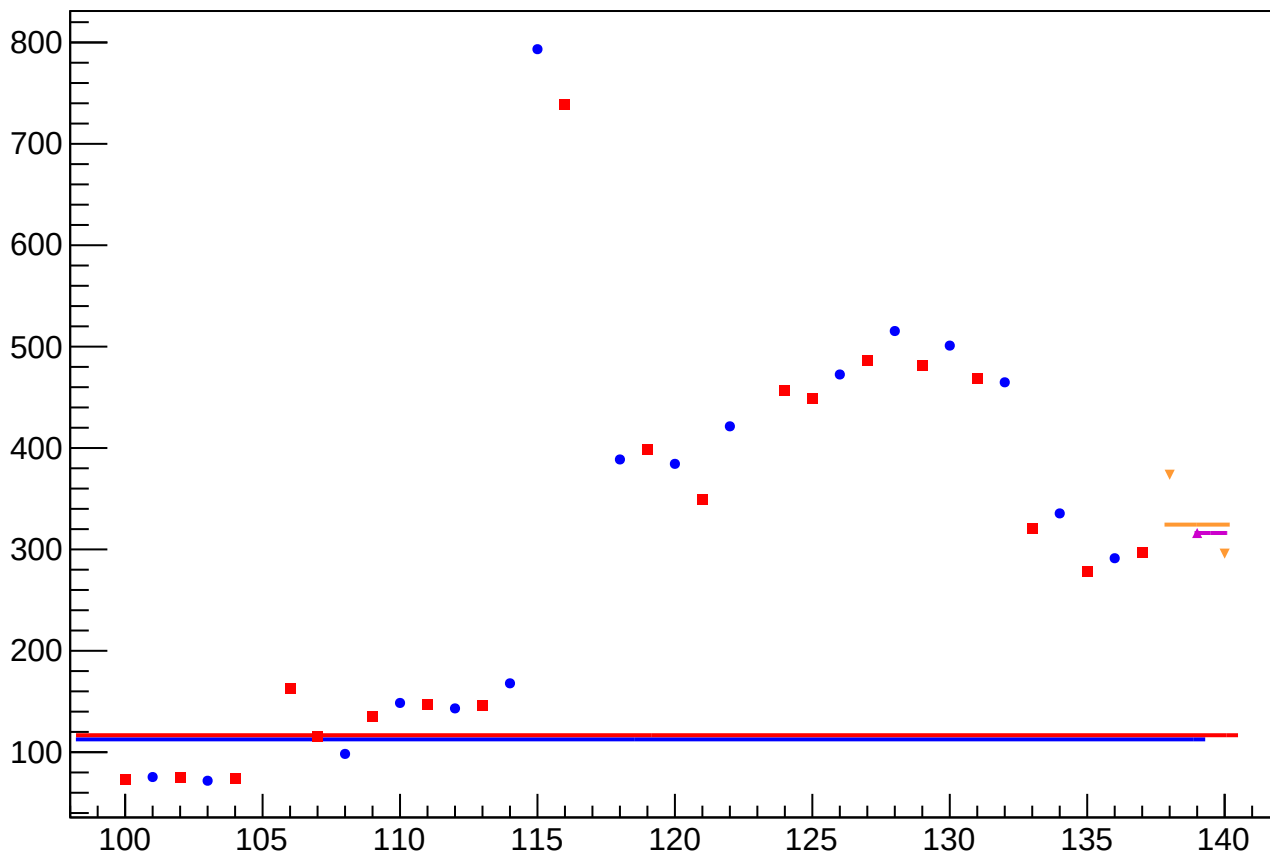
Left In: -454.671 $\pm$ 347.427 χ^2 /NDF:0.0/0

+ sign 15.925 $\pm$ 52.457 χ^2 /NDF: 16.7/17

All: 23.866 $\pm$ 37.142 χ^2 /NDF: 40.3/37

- sign 31.850 $\pm$ 52.597 χ^2 /NDF: 23.5/19

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF : 5599653.6/15

Left Out: 324.462+/-0.182 χ^2/NDF : 42663.0/1

Right Out: 116.732+/-0.038 χ^2/NDF : 5141390.3/18

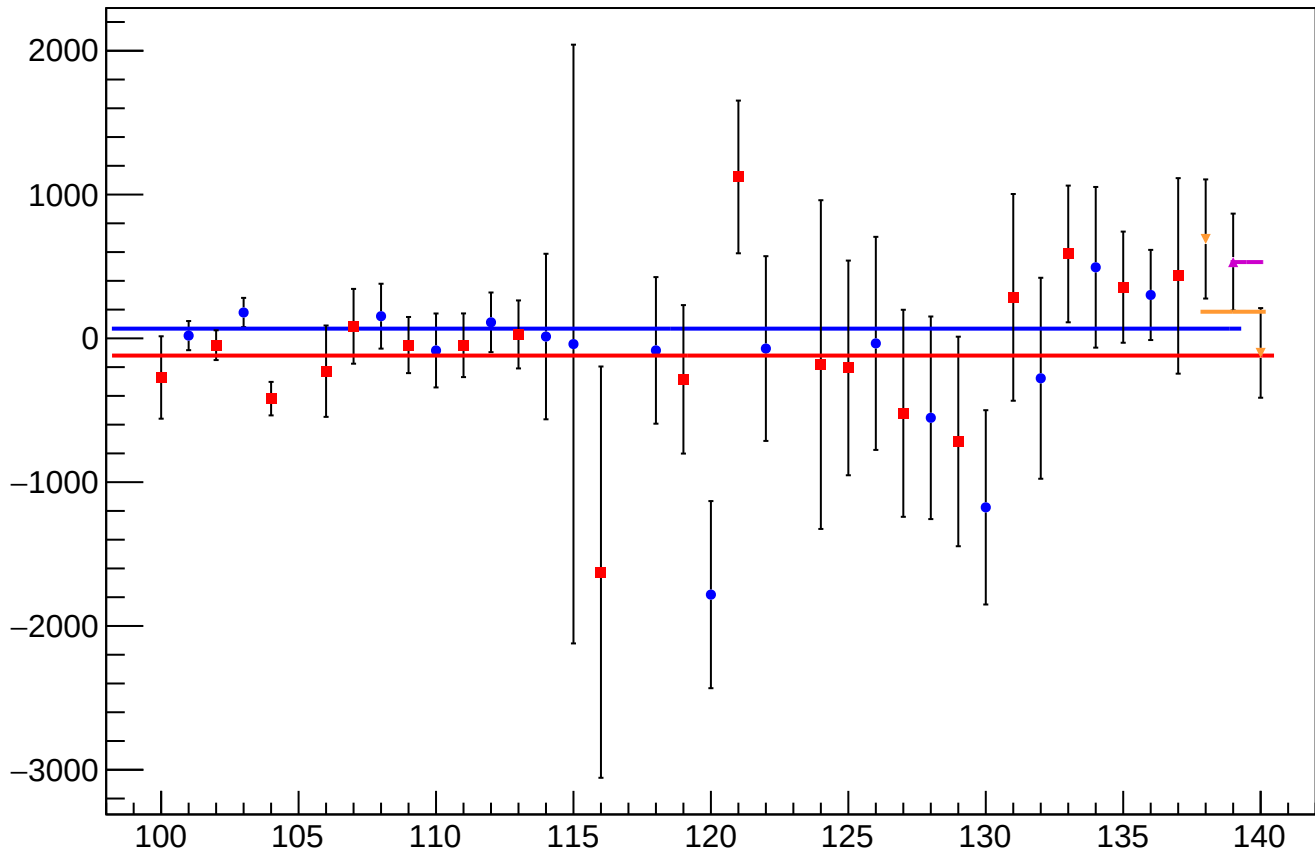
Left In: 316.190+/-0.246 χ^2/NDF : 0.0/0

+ sign 121.490+/-0.037 χ^2/NDF : 6943821.0/17

All: 121.397+/-0.026 χ^2/NDF : 12729298.1/37

- sign 121.304+/-0.037 χ^2/NDF : 5785464.5/19

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF : 15.8/15

Left Out: 185.186+/-249.055 χ^2/NDF : 2.3/1

Right Out: -119.635+/-57.941 χ^2/NDF : 21.1/18

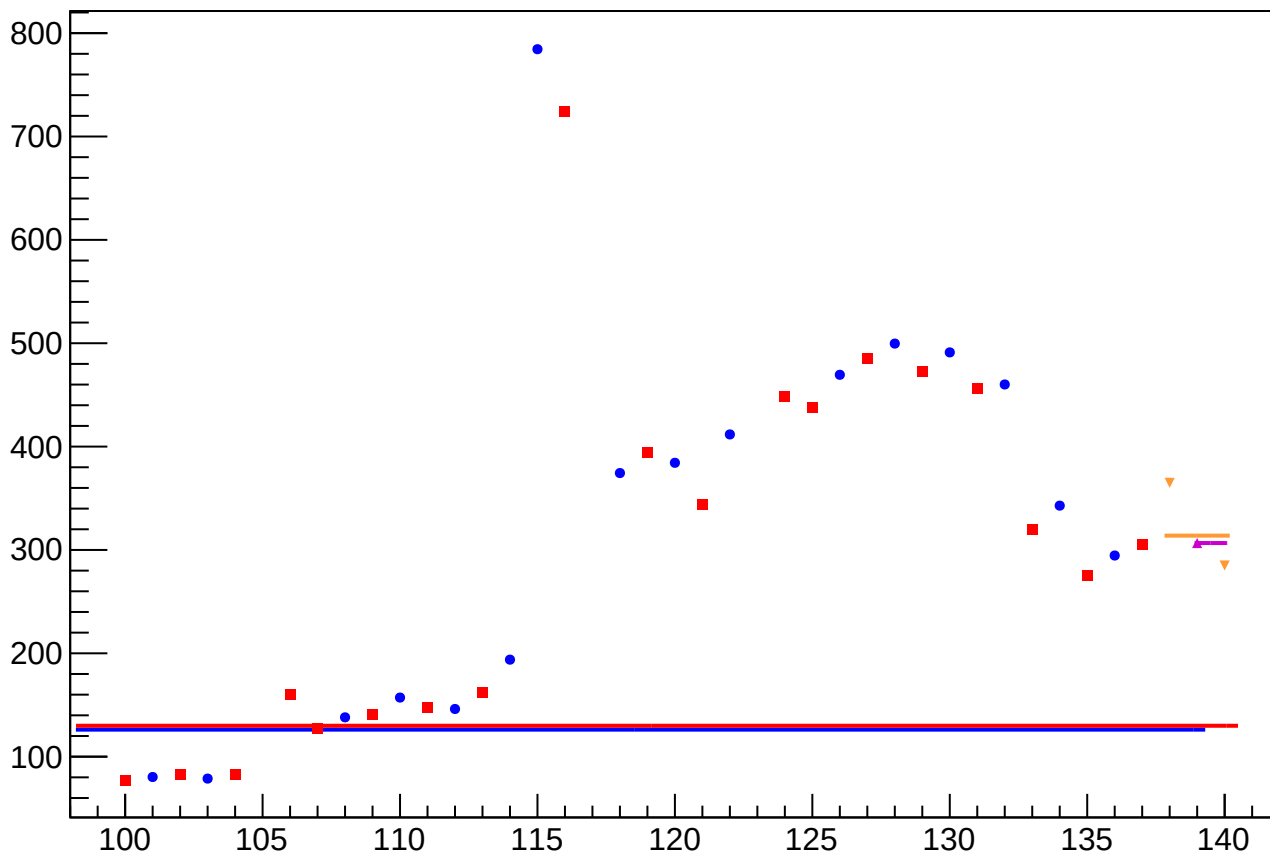
Left In: 530.526+/-336.929 χ^2/NDF : 0.0/0

+ sign 73.902+/-57.567 χ^2/NDF : 18.3/17

All: -14.236+/-40.541 χ^2/NDF : 47.7/37

- sign -100.960+/-57.103 χ^2/NDF : 24.8/19

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF : 5220128.2/15

Left Out: 313.858+/-0.176 χ^2/NDF : 47577.4/1

Right Out: 129.914+/-0.041 χ^2/NDF : 4647677.8/18

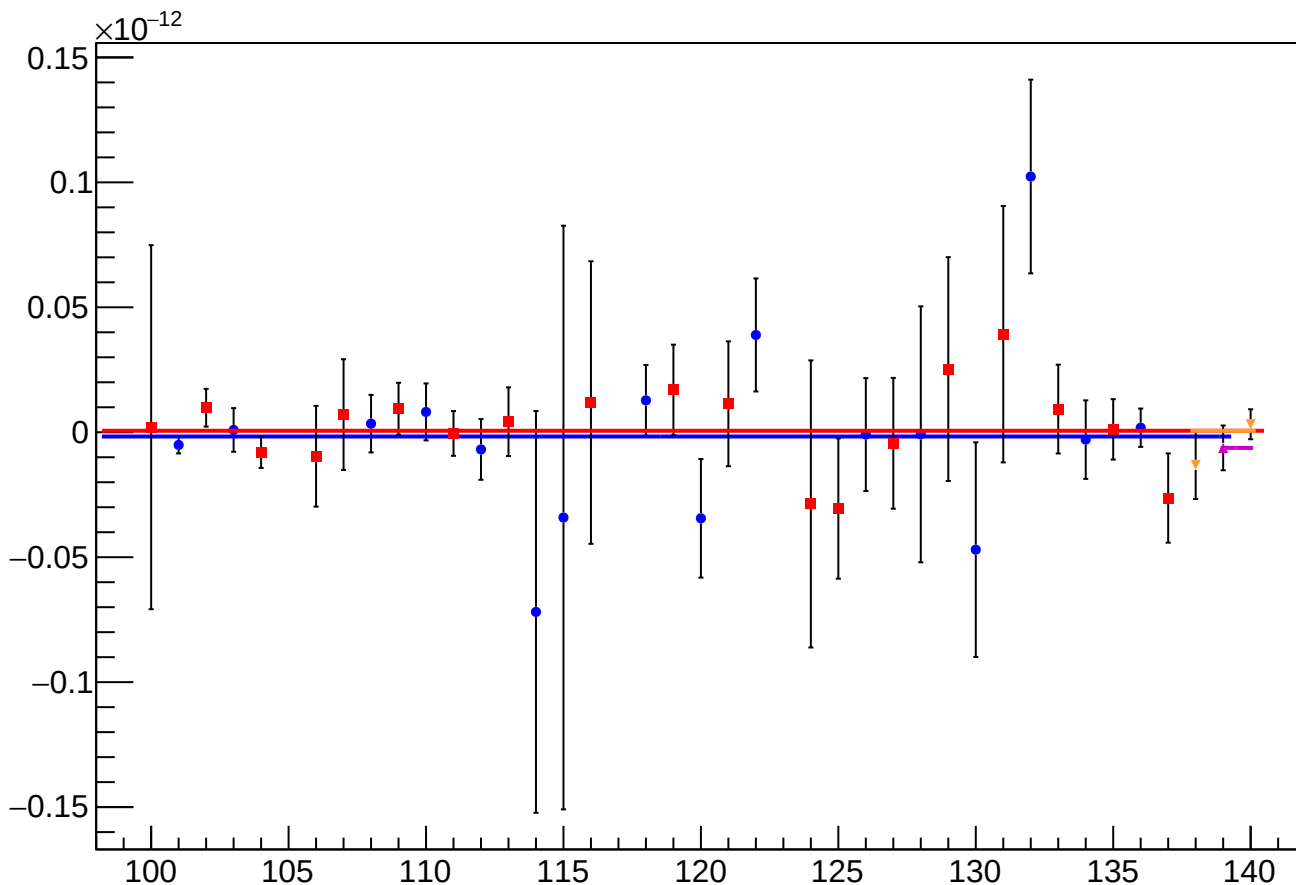
Left In: 306.697+/-0.238 χ^2/NDF : 0.0/0

+ sign 136.182+/-0.041 χ^2/NDF : 6343032.7/17

All: 135.582+/-0.029 χ^2/NDF : 11525920.5/37

- sign 134.992+/-0.040 χ^2/NDF : 5182457.2/19

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.5/18

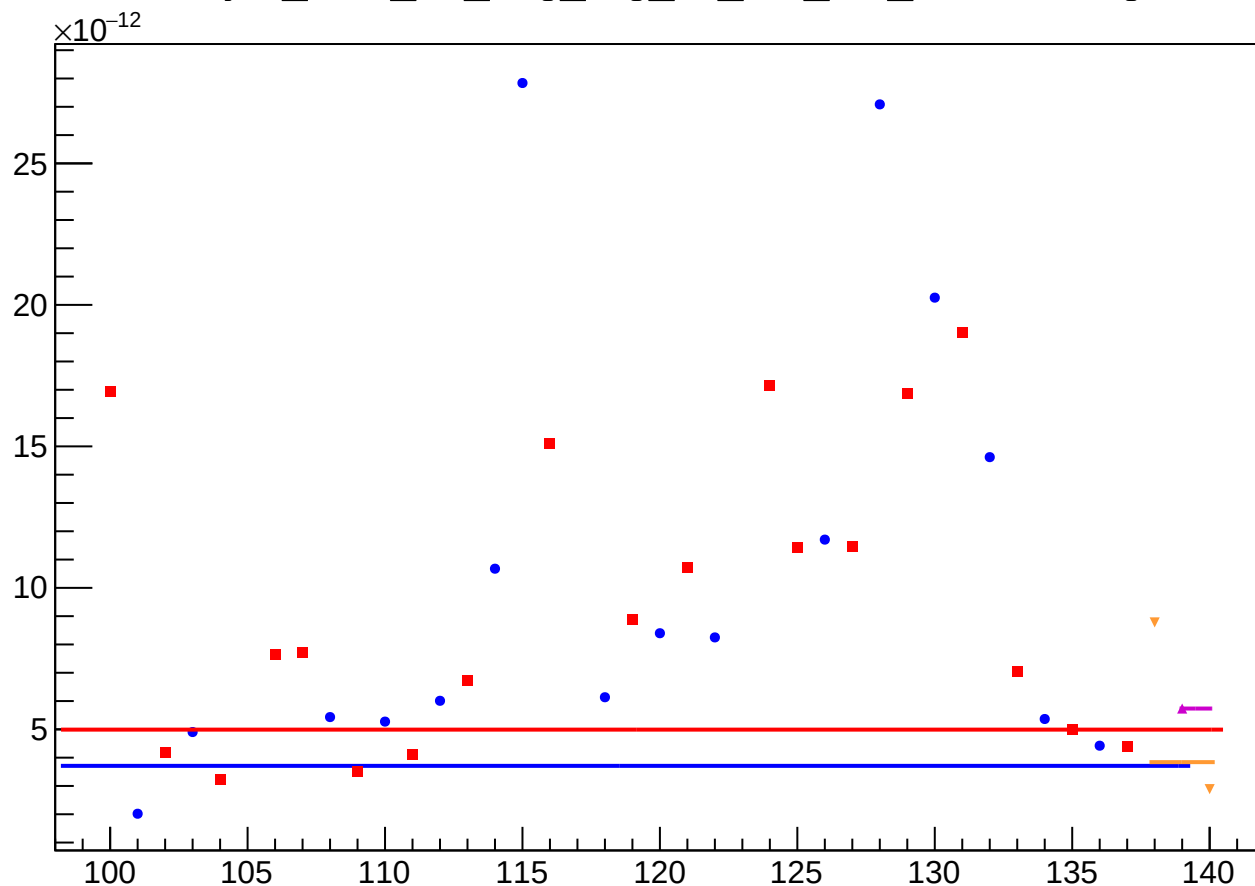
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.2/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 11.1/19

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 312245.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1295374.6/18

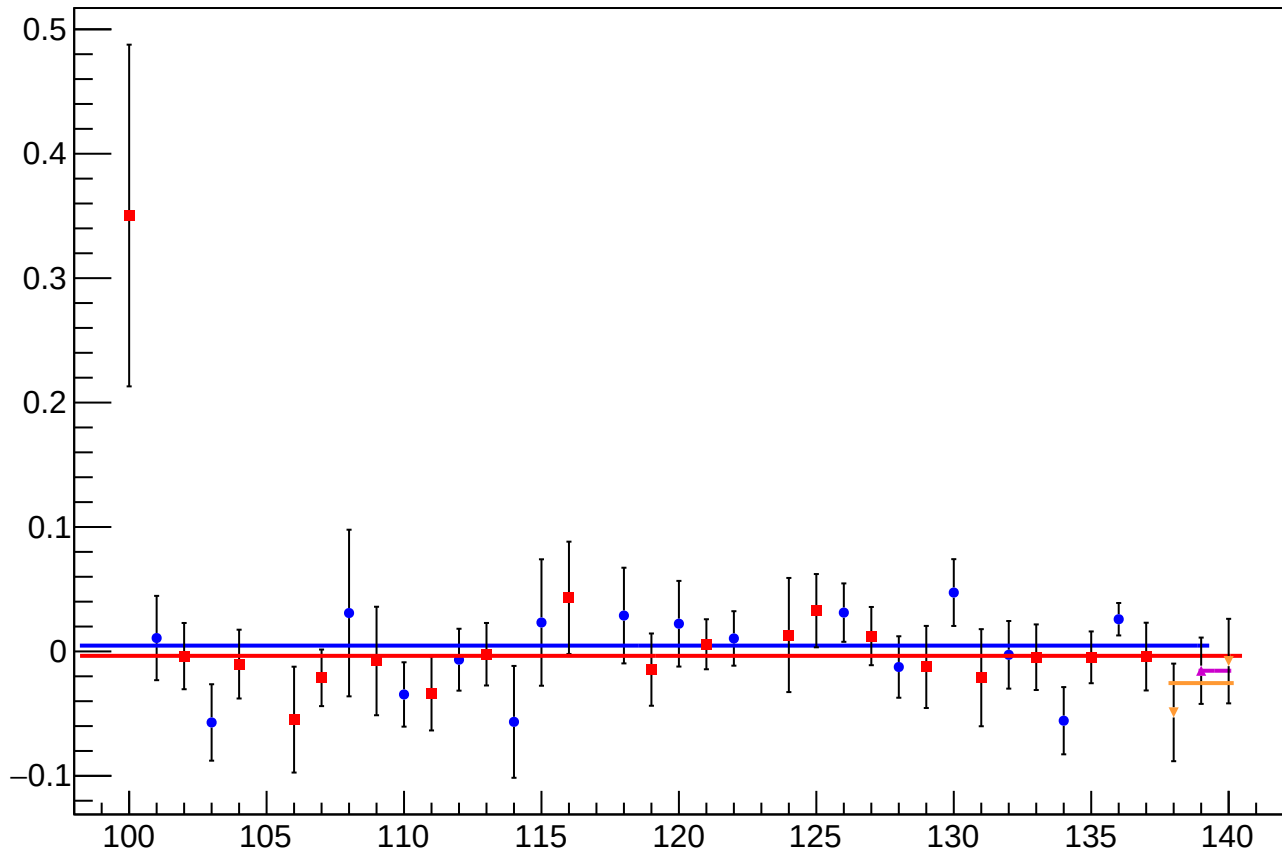
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2485657.7/17

All: 0.000+/-0.000 χ^2/NDF : 4043528.6/37

- sign 0.000+/-0.000 χ^2/NDF : 1307646.1/19

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: -0.025 ± 0.026 χ^2/NDF : 0.6/1

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

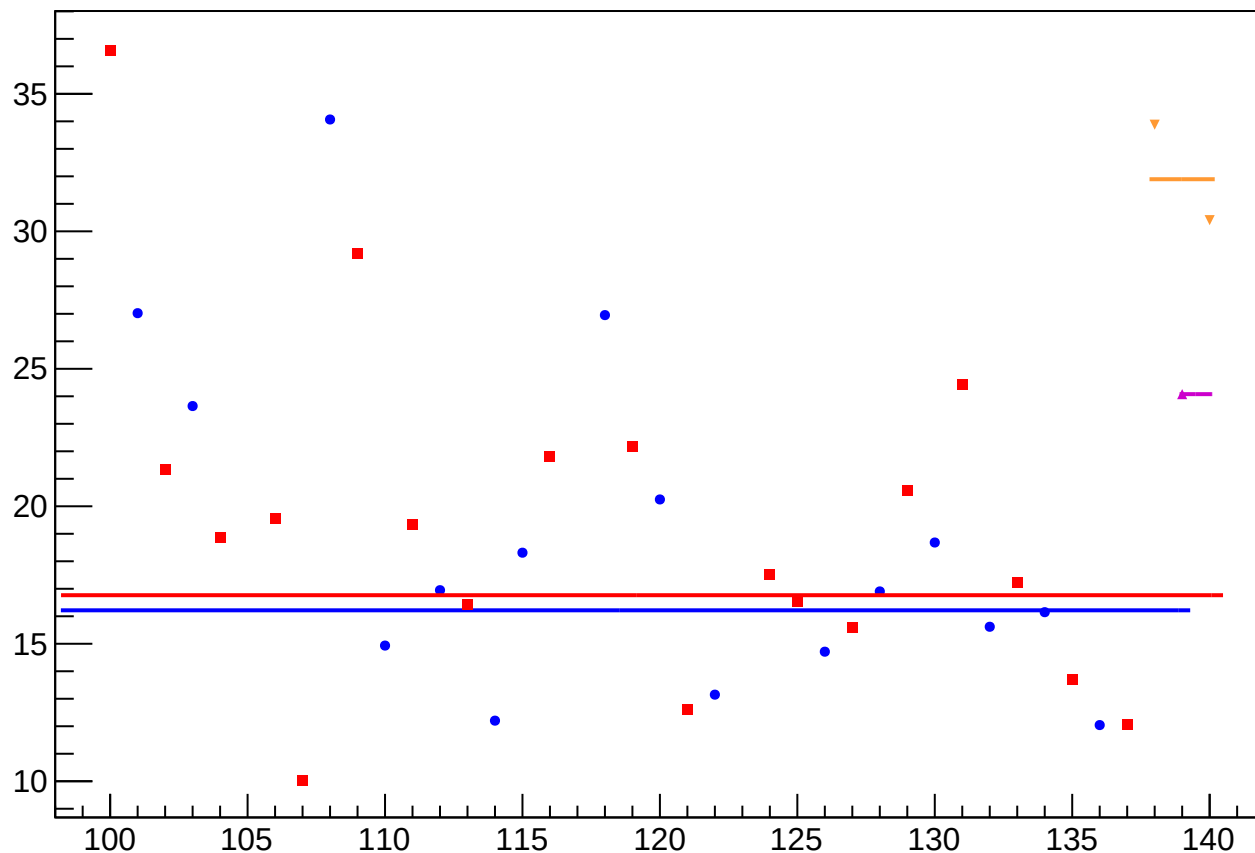
Left In: -0.016 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.006 χ^2/NDF : 23.4/17

All: -0.001 ± 0.005 χ^2/NDF : 37.8/37

- sign -0.004 ± 0.006 χ^2/NDF : 13.8/19

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217 $\pm$ 0.005 χ^2 /NDF: 943864.9/15

Left Out: 31.895 $\pm$ 0.018 χ^2 /NDF: 8958.3/1

Right Out: 16.766 $\pm$ 0.005 χ^2 /NDF: 866715.7/18

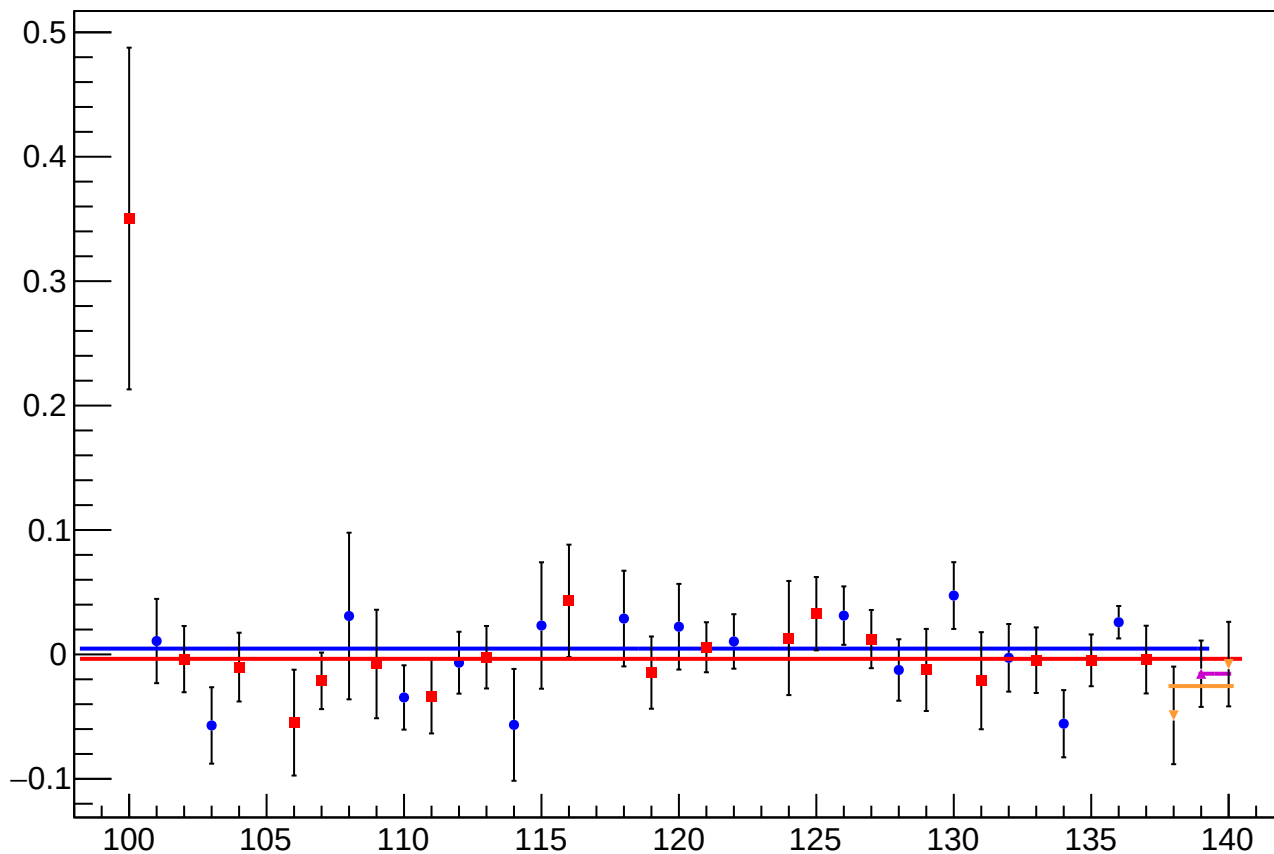
Left In: 24.078 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 17.179 $\pm$ 0.004 χ^2 /NDF: 1652748.6/17

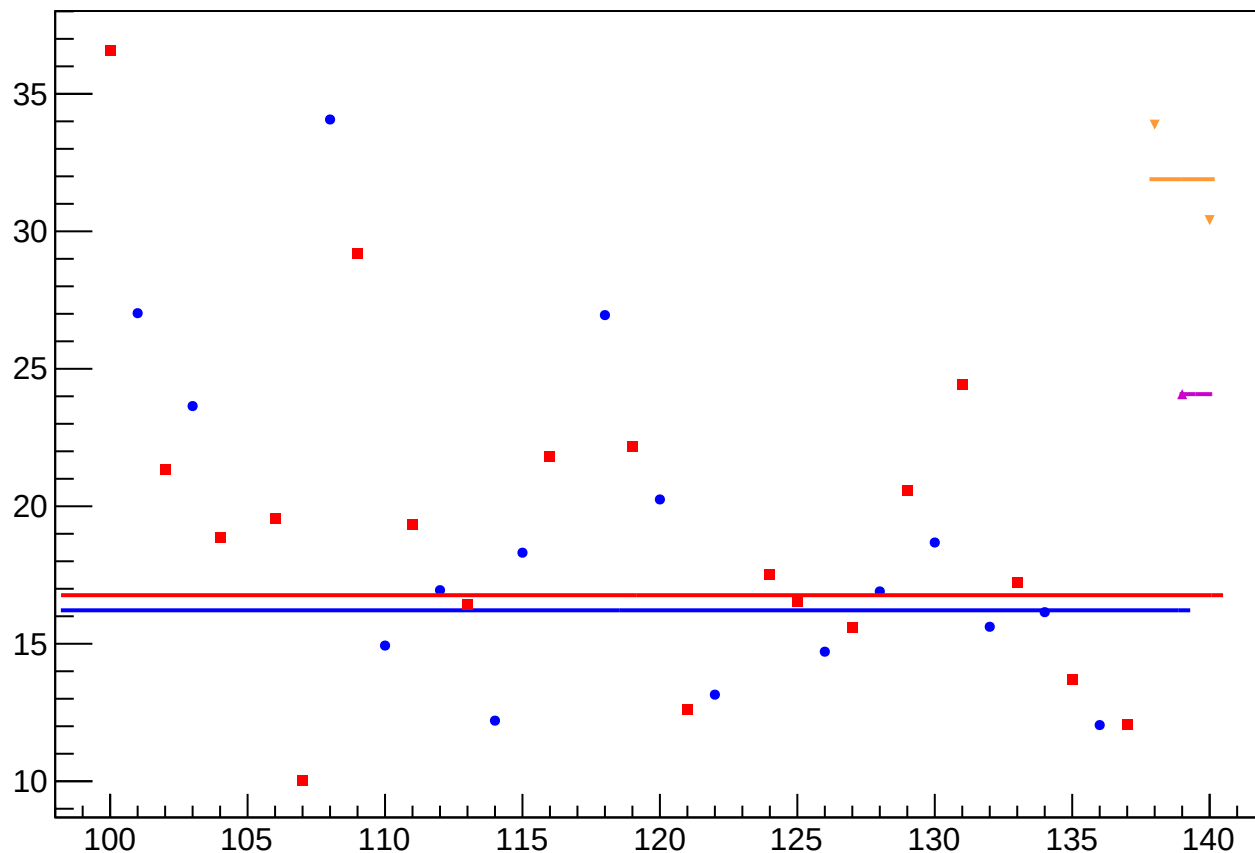
All: 17.185 $\pm$ 0.003 χ^2 /NDF: 2661184.0/37

- sign 17.192 $\pm$ 0.005 χ^2 /NDF: 1008431.3/19

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.217 $\pm$ 0.005 χ^2 /NDF: 943864.9/15

Left Out: 31.895 $\pm$ 0.018 χ^2 /NDF: 8958.3/1

Right Out: 16.766 $\pm$ 0.005 χ^2 /NDF: 866715.7/18

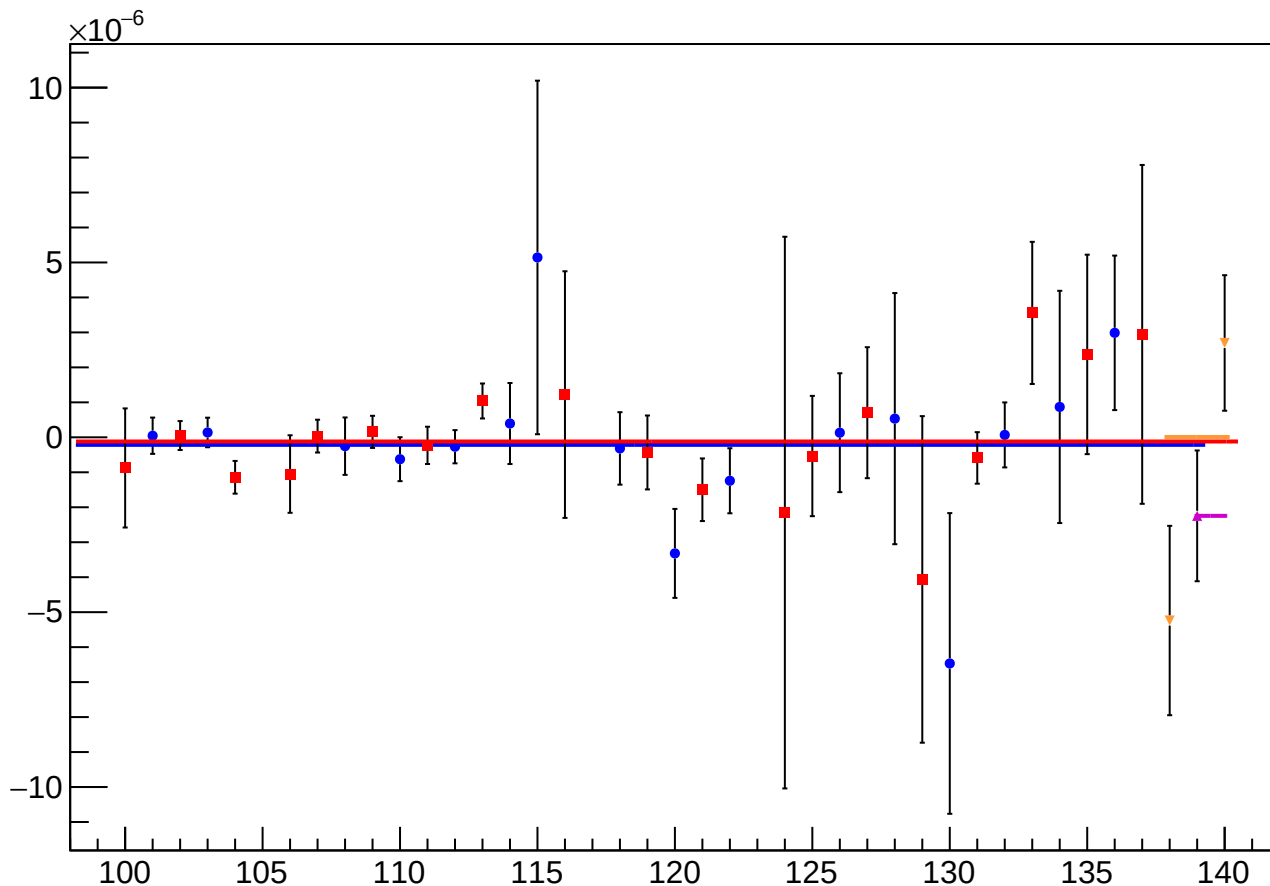
Left In: 24.078 $\pm$ 0.019 χ^2 /NDF: 0.0/0

+ sign 17.179 $\pm$ 0.004 χ^2 /NDF: 1652748.6/17

All: 17.185 $\pm$ 0.003 χ^2 /NDF: 2661184.0/37

- sign 17.192 $\pm$ 0.005 χ^2 /NDF: 1008431.3/19

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.5/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 5.7/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.2/18

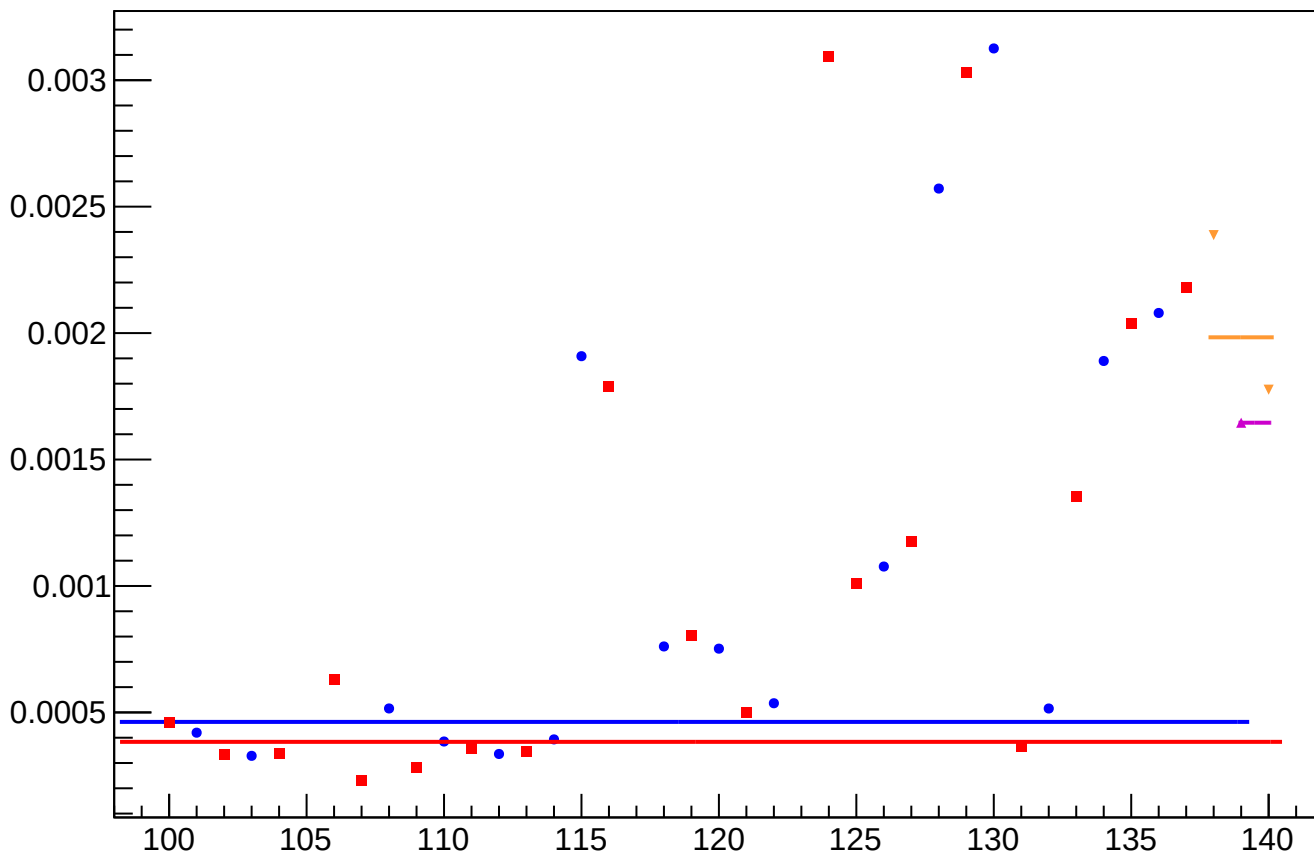
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 20.2/17

All: -0.000 ± 0.000 χ^2/NDF : 41.8/37

- sign -0.000 ± 0.000 χ^2/NDF : 21.5/19

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4015939.2/15

Left Out: 0.002+/-0.000 χ^2/NDF : 67410.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4058129.5/18

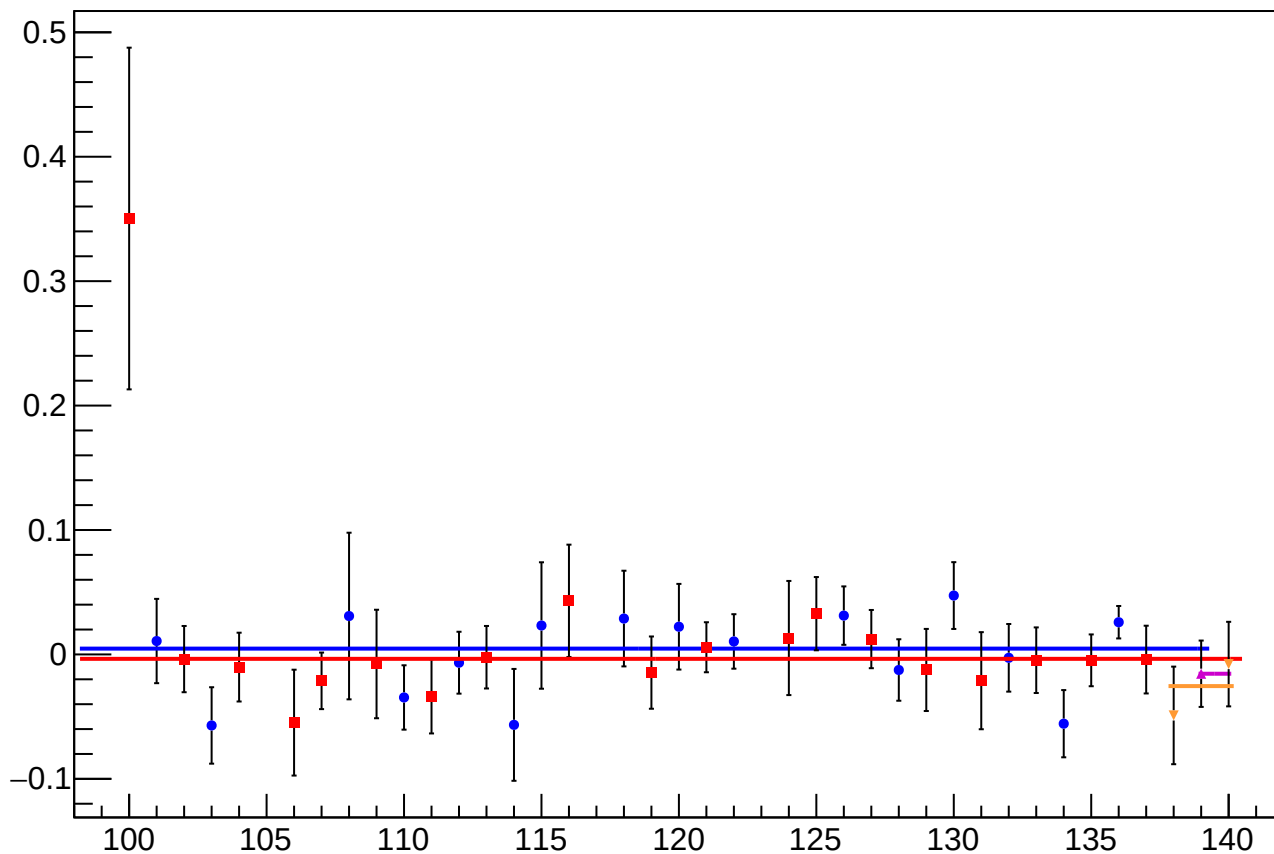
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5914123.9/17

All: 0.000+/-0.000 χ^2/NDF : 11121938.2/37

- sign 0.000+/-0.000 χ^2/NDF : 4961327.2/19

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 χ^2/NDF : 21.5/15

Left Out: -0.025 ± 0.026 χ^2/NDF : 0.6/1

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

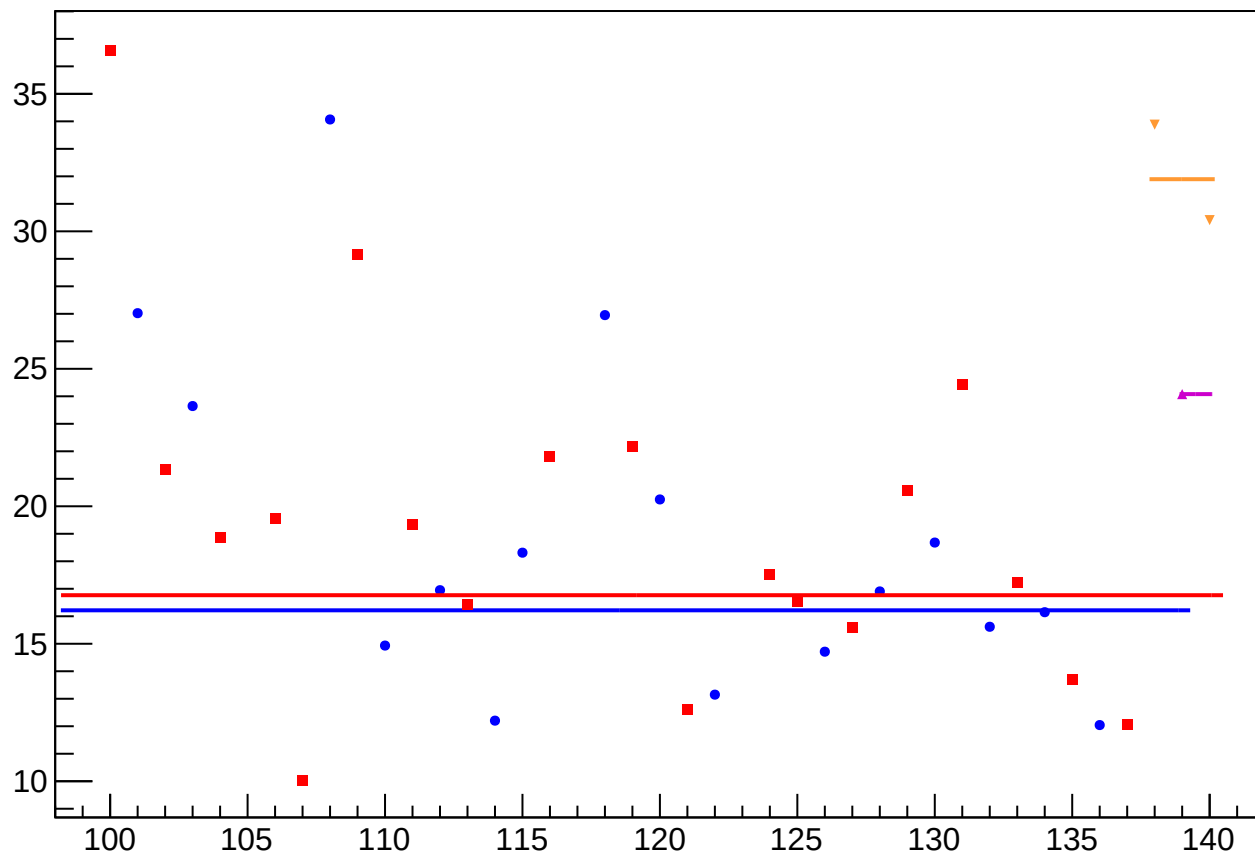
Left In: -0.016 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.006 χ^2/NDF : 23.4/17

All: -0.001 ± 0.005 χ^2/NDF : 37.8/37

- sign -0.004 ± 0.006 χ^2/NDF : 13.8/19

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF : 943830.6/15

Left Out: 31.896+/-0.018 χ^2/NDF : 8958.1/1

Right Out: 16.766+/-0.005 χ^2/NDF : 866705.3/18

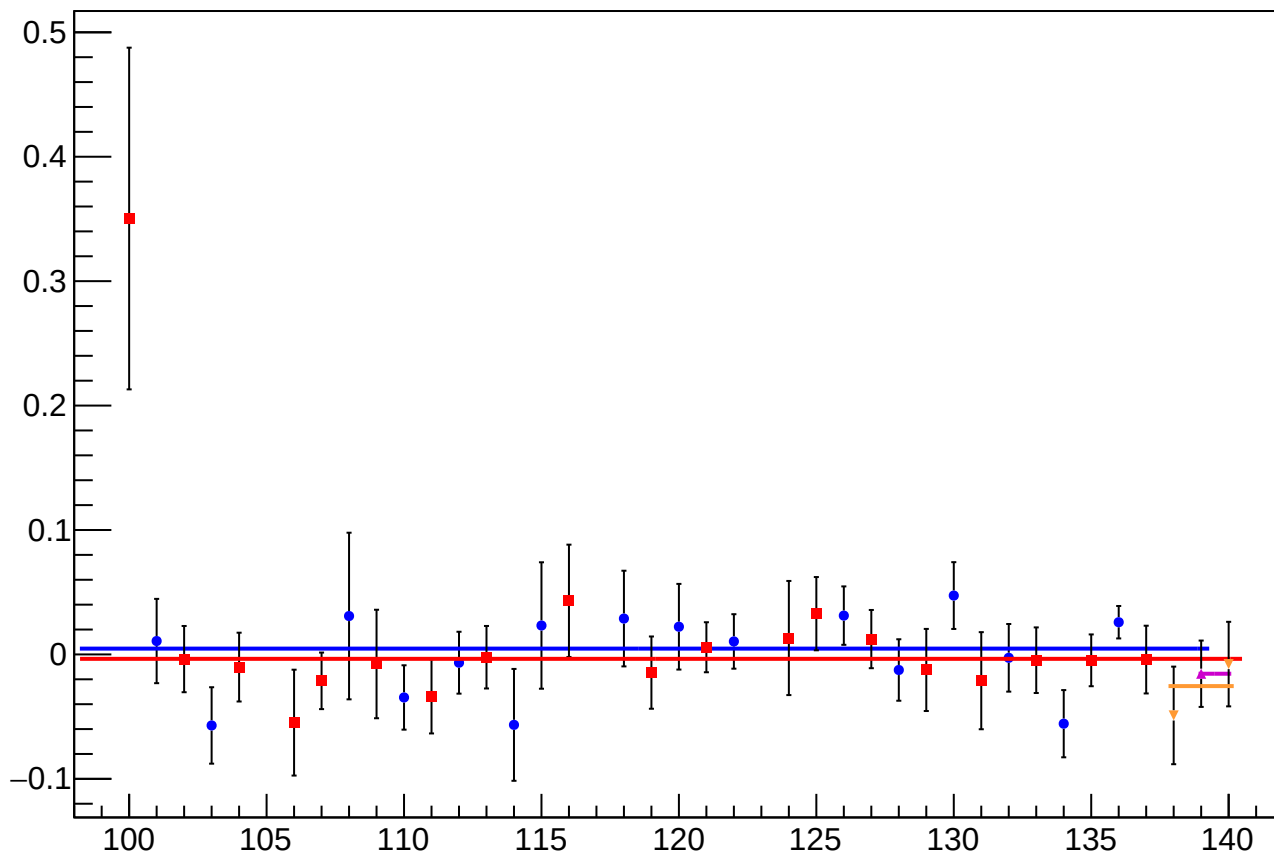
Left In: 24.080+/-0.019 χ^2/NDF : 0.0/0

+ sign 17.178+/-0.004 χ^2/NDF : 1652788.3/17

All: 17.185+/-0.003 χ^2/NDF : 2661250.5/37

- sign 17.191+/-0.005 χ^2/NDF : 1008458.1/19

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 χ^2/NDF : 21.5/15

Left Out: -0.025 ± 0.026 χ^2/NDF : 0.6/1

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

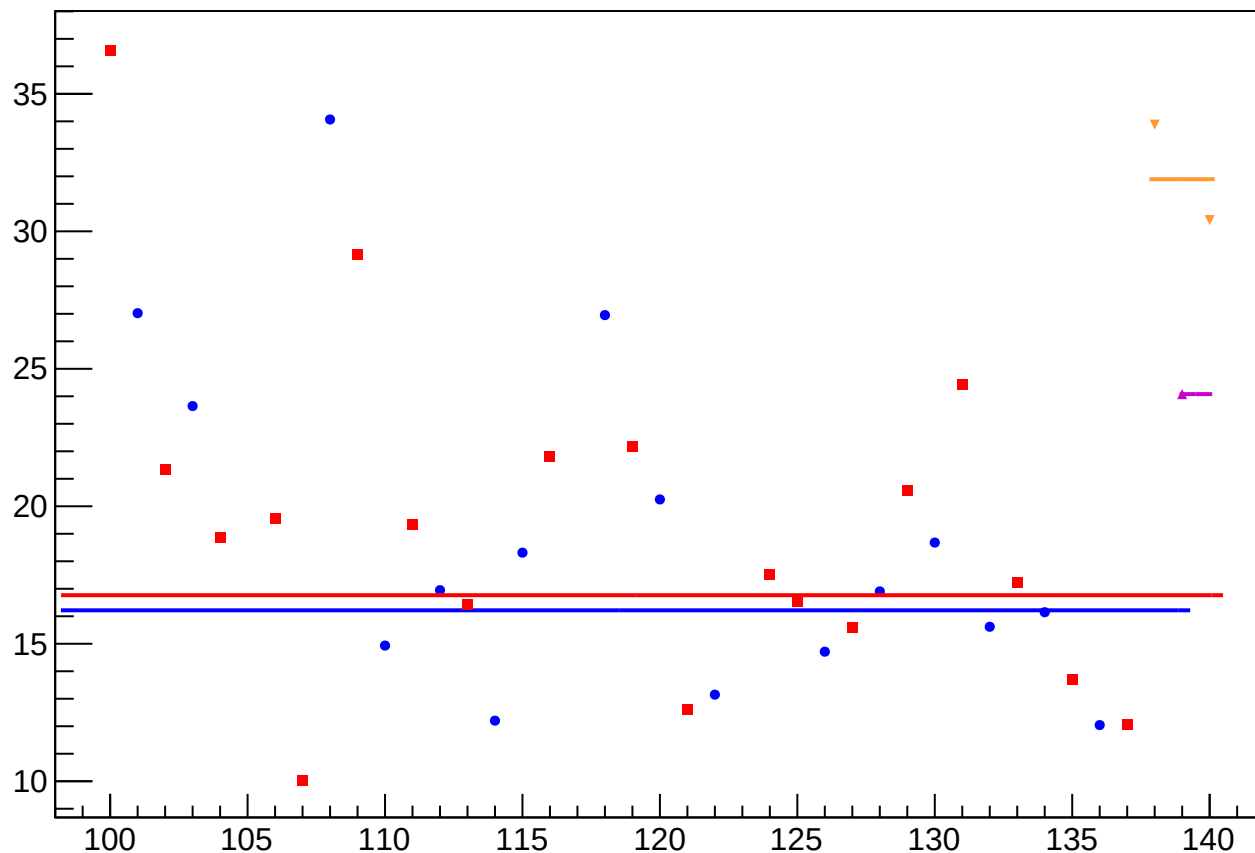
Left In: -0.016 ± 0.027 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.006 χ^2/NDF : 23.4/17

All: -0.001 ± 0.005 χ^2/NDF : 37.8/37

- sign -0.004 ± 0.006 χ^2/NDF : 13.8/19

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.216 $\pm$ 0.005 χ^2/NDF : 943830.6/15

Left Out: 31.896 $\pm$ 0.018 χ^2/NDF : 8958.1/1

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866705.3/18

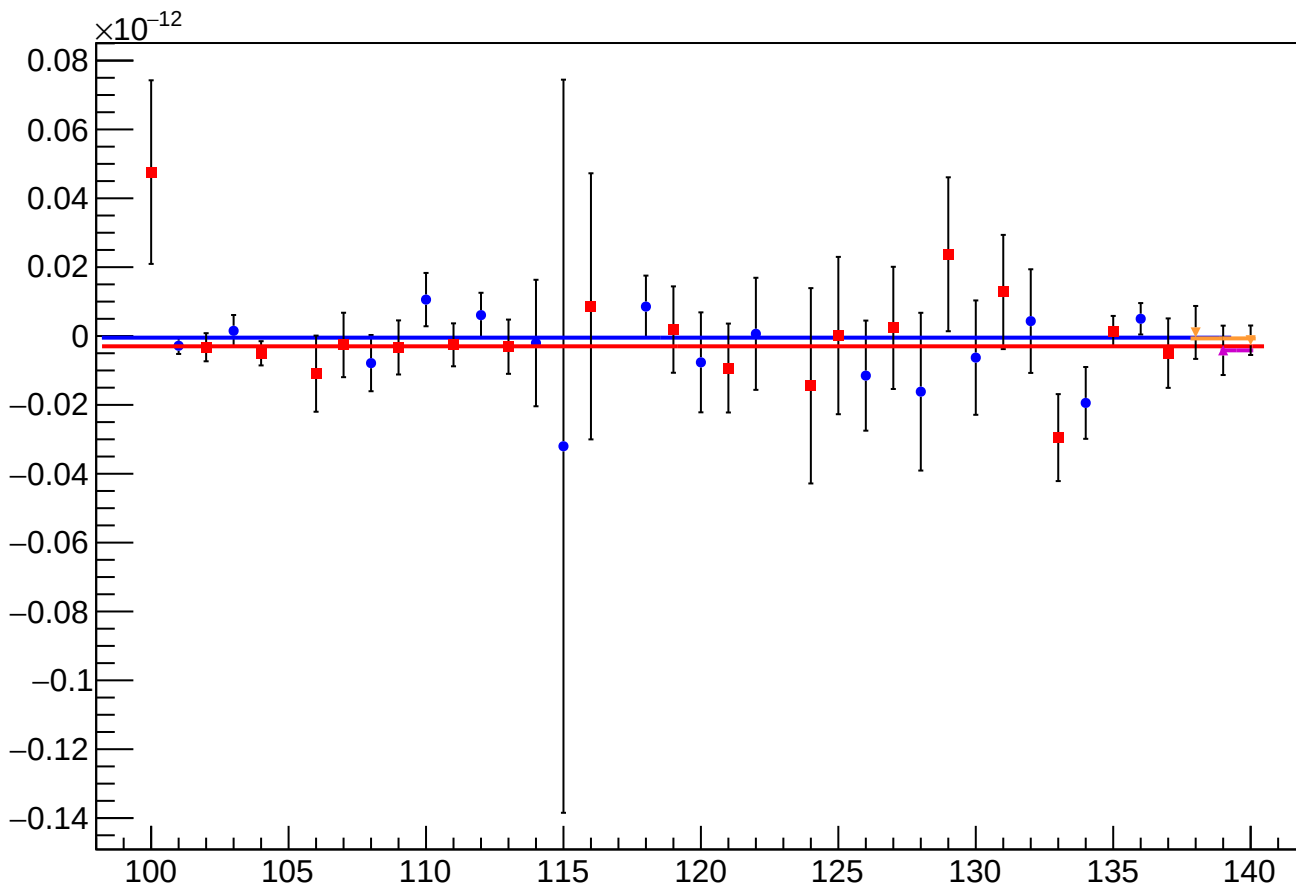
Left In: 24.080 $\pm$ 0.019 χ^2/NDF : 0.0/0

+ sign 17.178 $\pm$ 0.004 χ^2/NDF : 1652788.3/17

All: 17.185 $\pm$ 0.003 χ^2/NDF : 2661250.5/37

- sign 17.191 $\pm$ 0.005 χ^2/NDF : 1008458.1/19

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/18

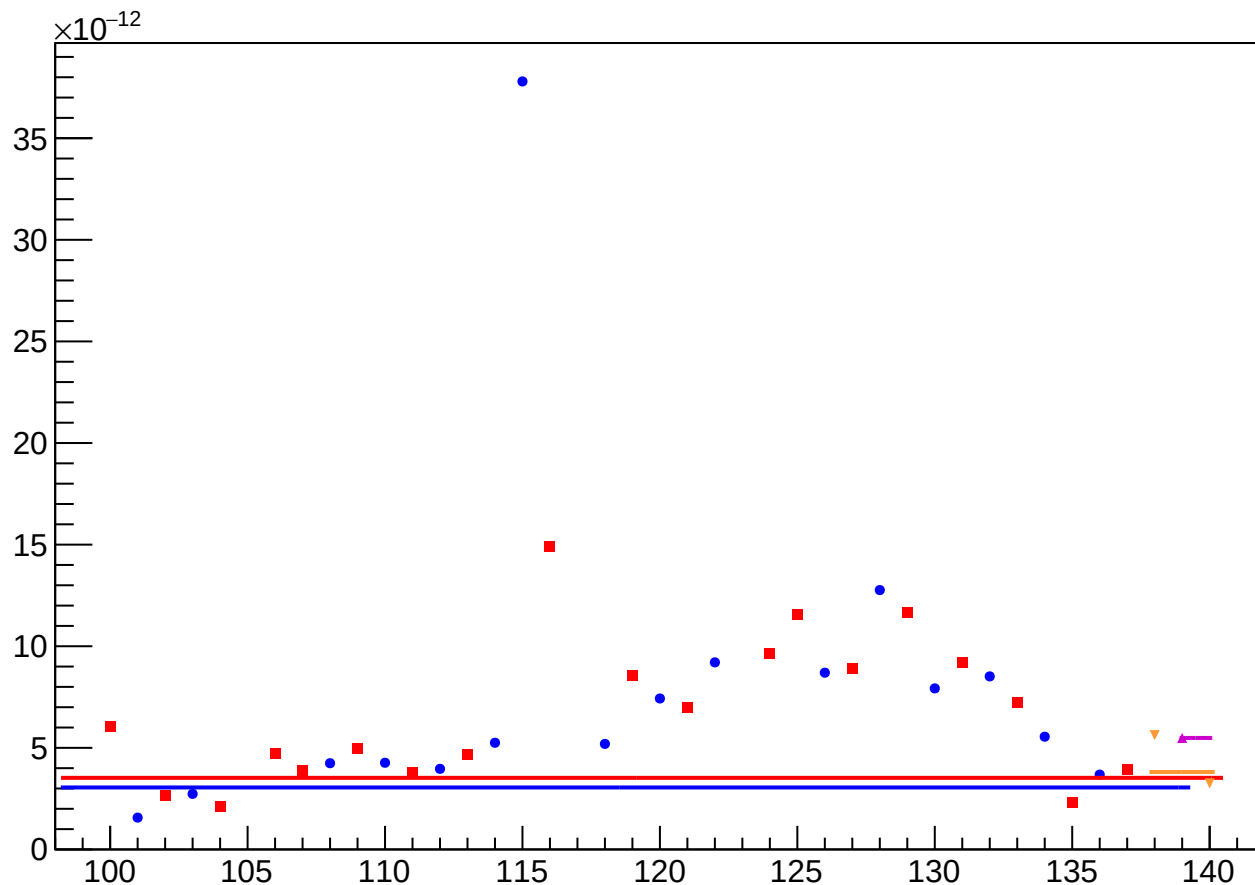
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/19

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :145731.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2559080.1/18

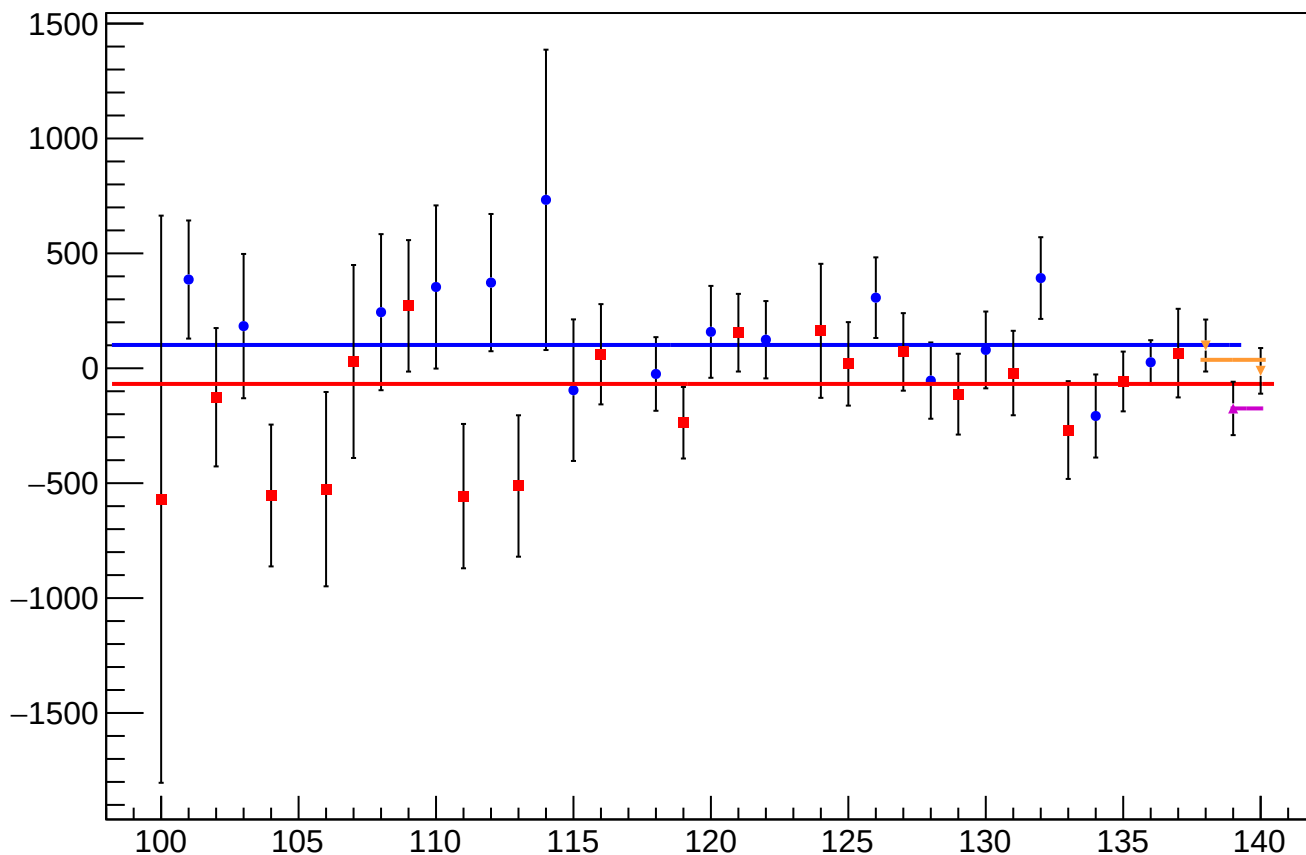
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3152580.9/17

All: 0.000+/-0.000 χ^2/NDF : 5935558.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2700275.3/19

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460 $\pm$ 47.631 χ^2 /NDF: 13.4/15

Left Out: 36.739 $\pm$ 74.612 χ^2 /NDF: 0.5/1

Right Out: -68.108 $\pm$ 49.327 χ^2 /NDF: 16.1/18

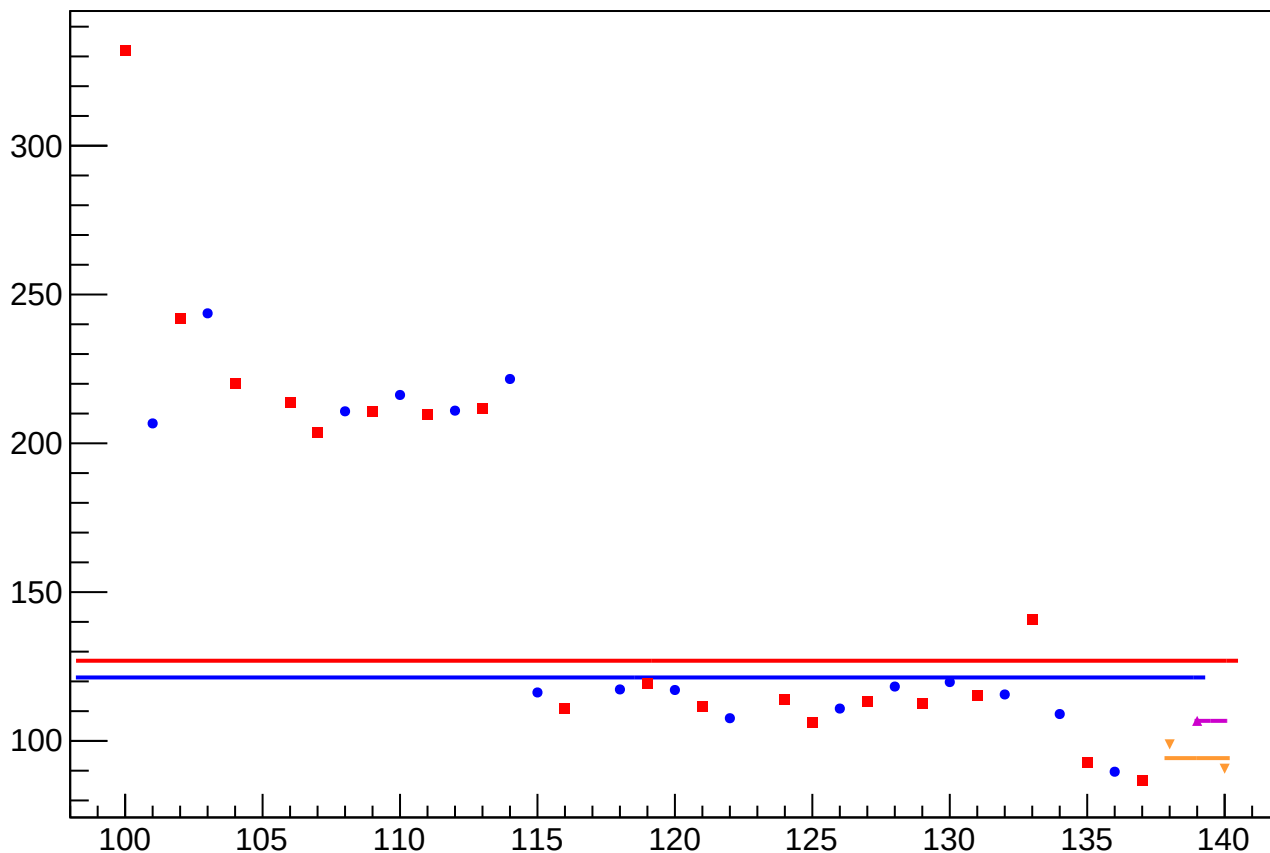
Left In: -174.757 $\pm$ 116.188 χ^2 /NDF: 0.0/0

+ sign 82.721 $\pm$ 40.148 χ^2 /NDF: 14.4/17

All: 9.394 $\pm$ 30.076 χ^2 /NDF: 38.9/37

- sign -84.395 $\pm$ 45.405 χ^2 /NDF: 16.8/19

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286651.5/15

Left Out: 94.222 $\pm$ 0.053 χ^2 /NDF:5913.6/1

Right Out: 126.945 $\pm$ 0.035 χ^2 /NDF: 1471592.1/18

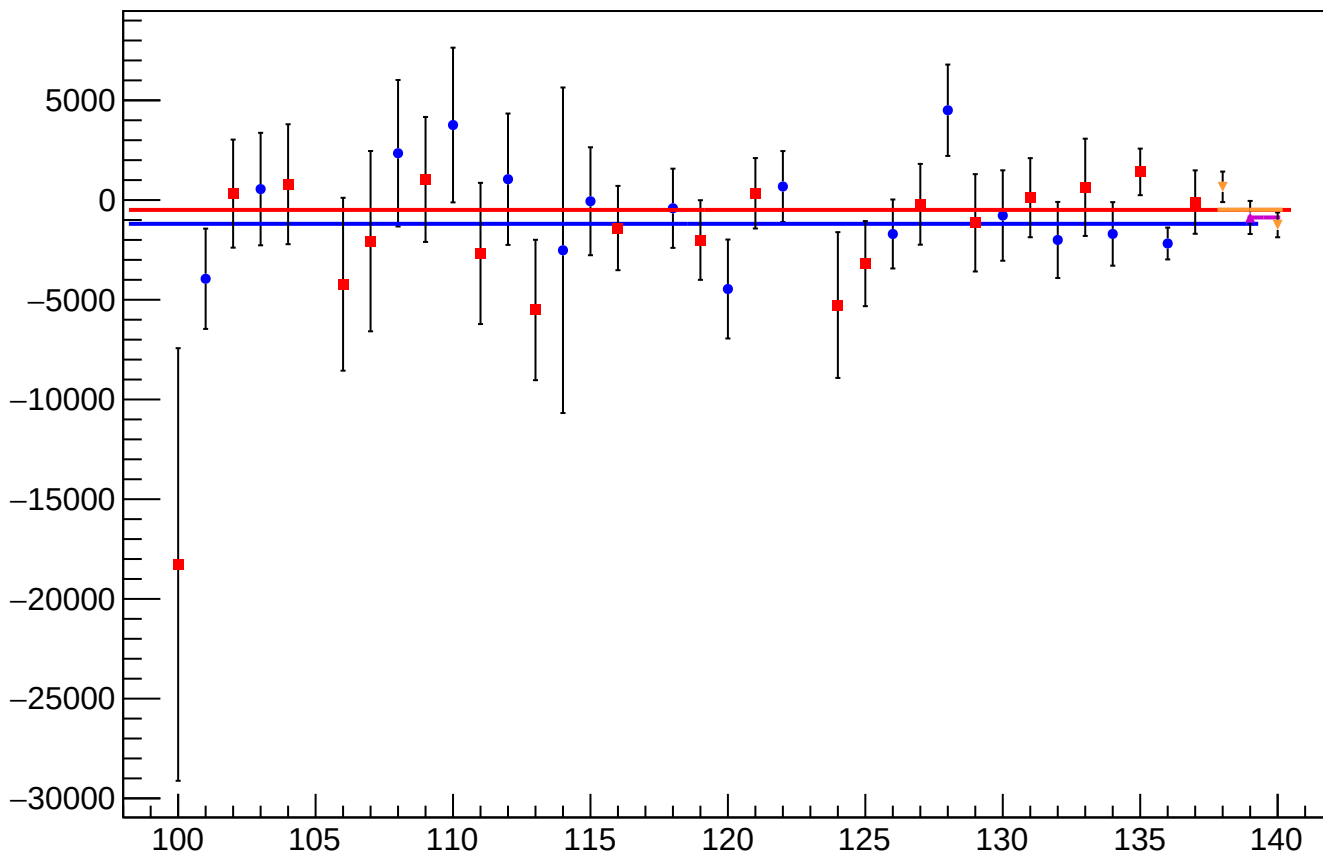
Left In: 106.744 $\pm$ 0.082 χ^2 /NDF:0.0/0

+ sign 113.478 $\pm$ 0.028 χ^2 /NDF: 1480060.1/17

All: 118.033 $\pm$ 0.021 χ^2 /NDF: 3061556.2/37

- sign 123.860 $\pm$ 0.032 χ^2 /NDF: 1522817.5/19

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1192.168+/-478.908 χ^2/NDF : 15.9/15

Left Out: -484.333+/-482.747 χ^2/NDF : 3.7/1

Right Out: -494.627+/-521.756 χ^2/NDF : 13.9/18

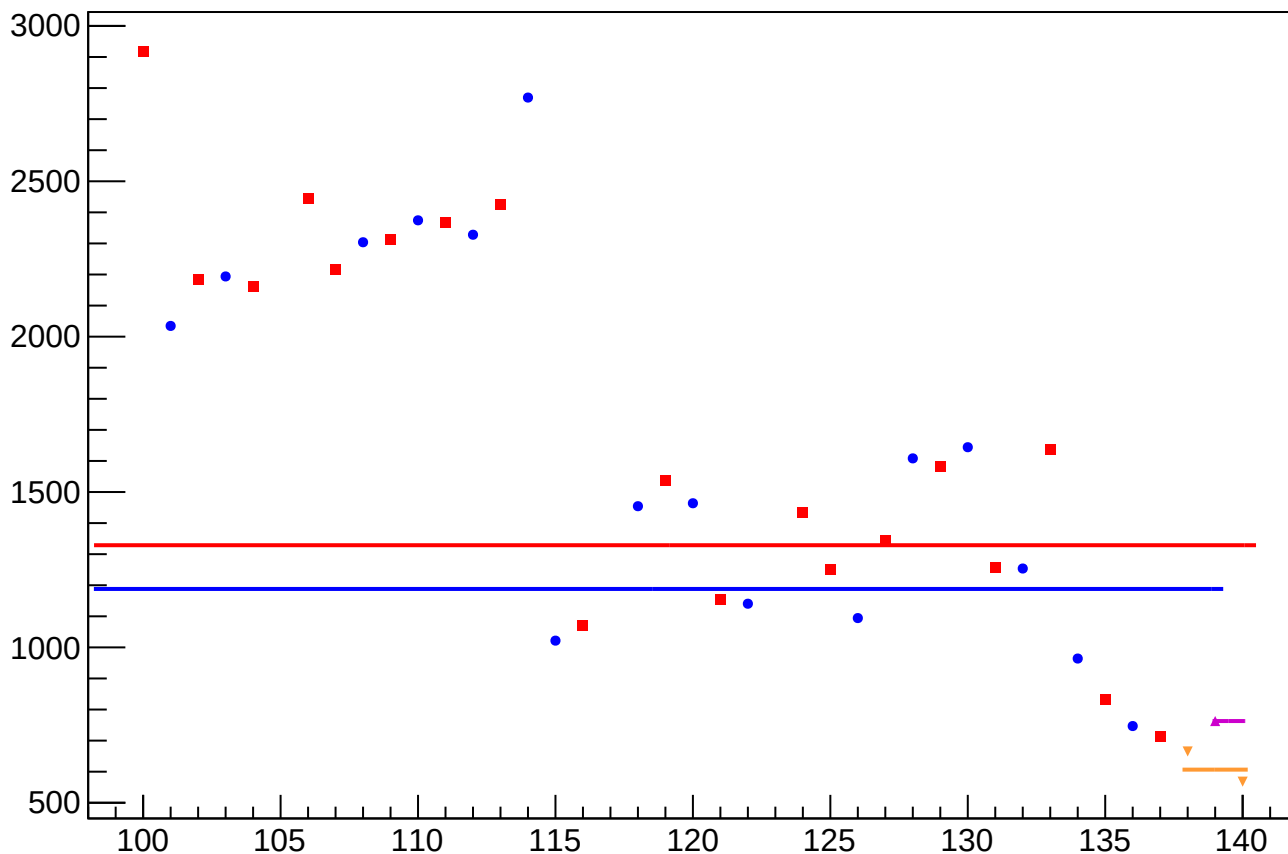
Left In: -873.767+/-830.172 χ^2/NDF : 0.0/0

+ sign -841.077+/-339.988 χ^2/NDF : 20.7/17

All: -752.135+/-269.430 χ^2/NDF : 35.0/37

- sign -601.982+/-441.753 χ^2/NDF : 14.0/19

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044635.7/15

Left Out: 606.606+/-0.341 χ^2/NDF :19420.5/1

Right Out: 1328.816+/-0.369 χ^2/NDF : 1957758.3/18

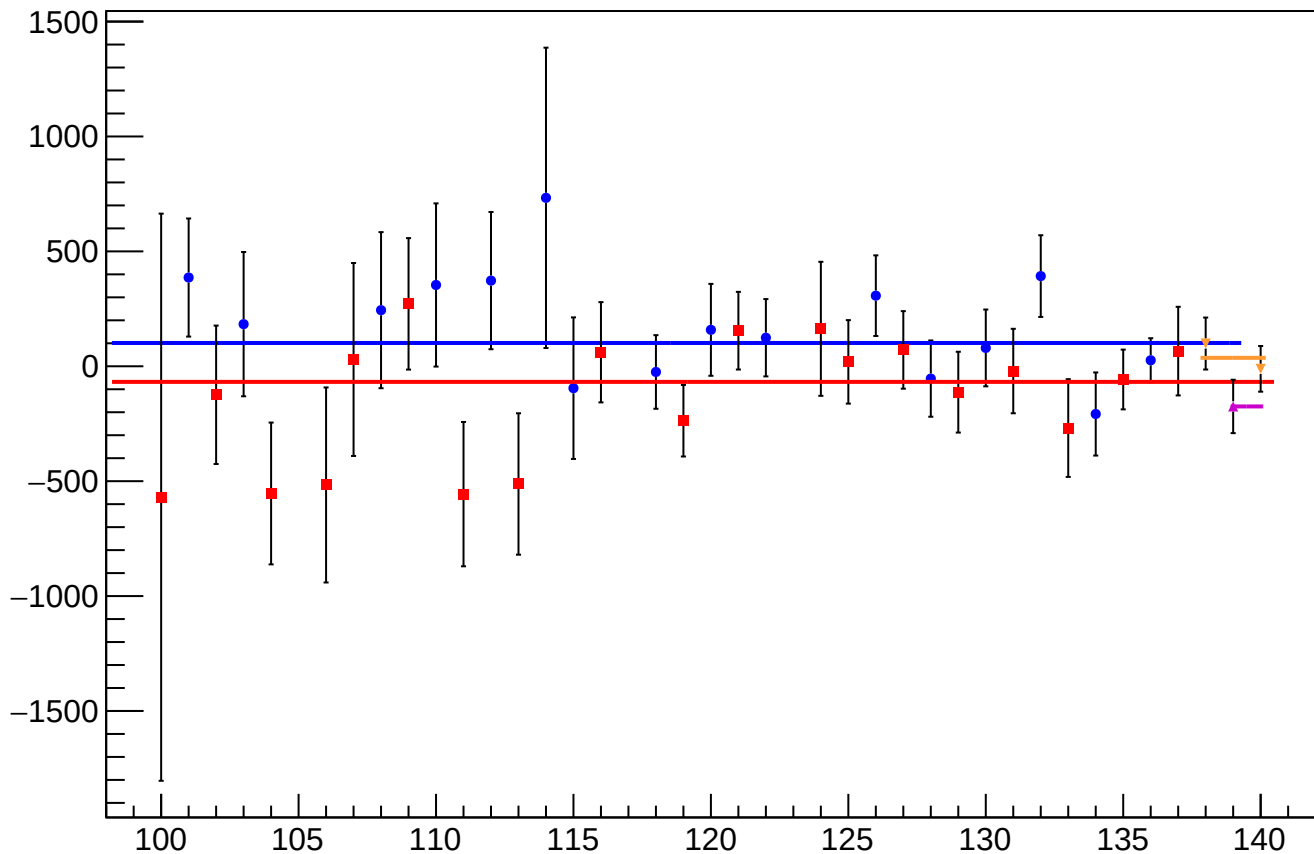
Left In: 762.980+/-0.587 χ^2/NDF :0.0/0

+ sign 899.659+/-0.240 χ^2/NDF : 3526432.4/17

All: 999.702+/-0.191 χ^2/NDF : 6615753.3/37

- sign 1168.597+/-0.312 χ^2/NDF : 2623799.5/19

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 36.743 $\pm$ 74.612 χ^2 /NDF: 0.5/1

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

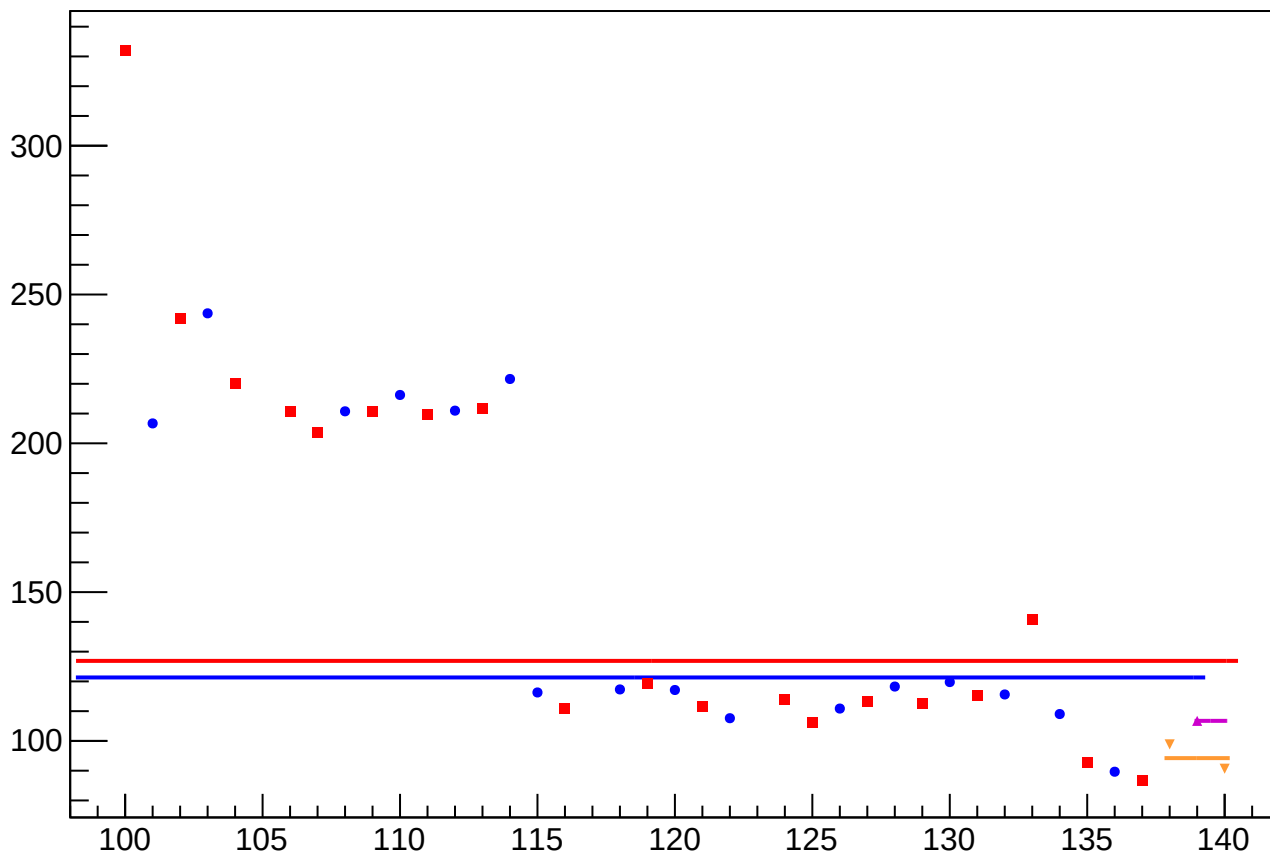
Left In: -174.781 $\pm$ 116.188 χ^2 /NDF: 0.0/0

+ sign 82.712 $\pm$ 40.148 χ^2 /NDF: 14.4/17

All: 9.475 $\pm$ 30.077 χ^2 /NDF: 38.8/37

- sign -84.208 $\pm$ 45.407 χ^2 /NDF: 16.8/19

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286654.0/15

Left Out: 94.222 $\pm$ 0.053 χ^2 /NDF: 5913.6/1

Right Out: 126.895 $\pm$ 0.035 χ^2 /NDF: 1465478.6/18

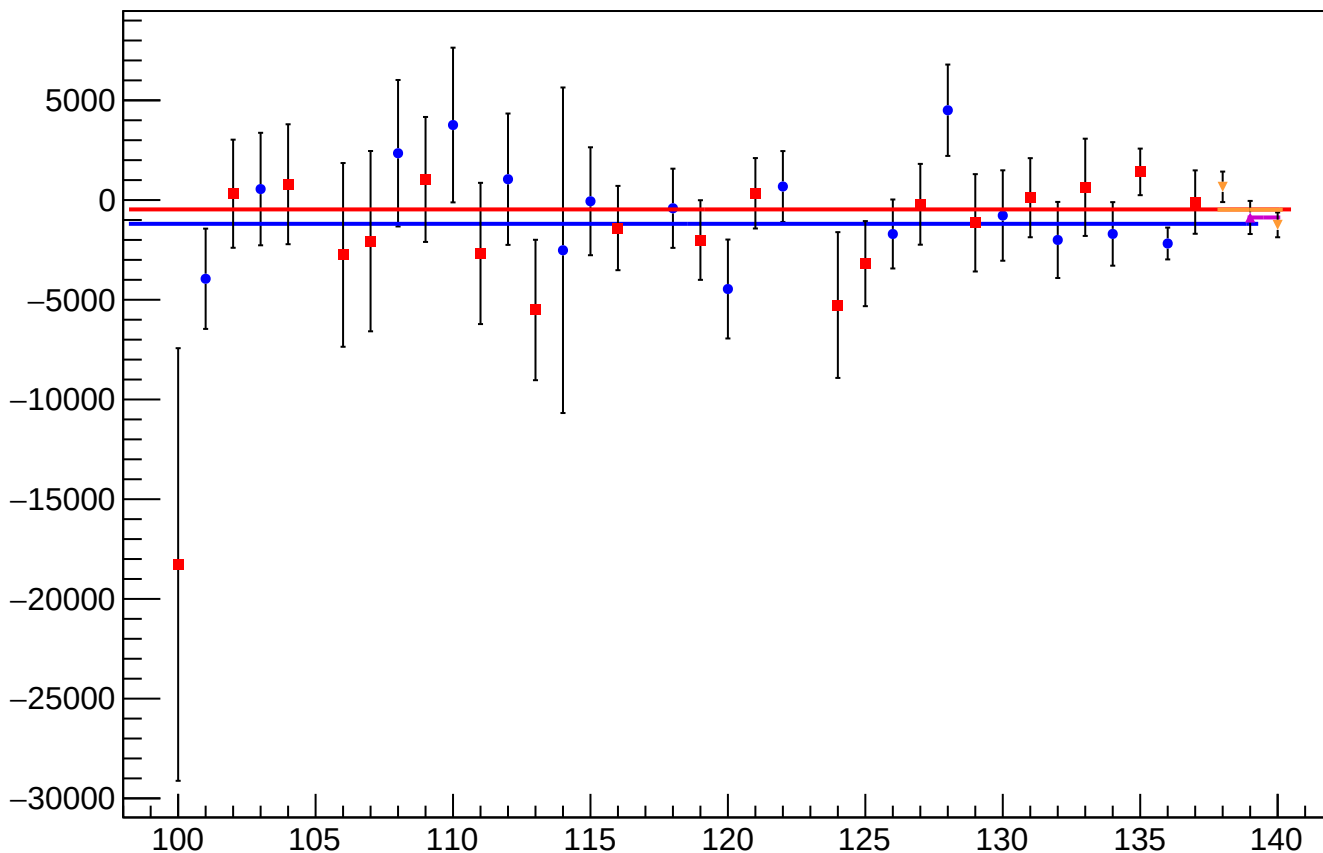
Left In: 106.744 $\pm$ 0.082 χ^2 /NDF: 0.0/0

+ sign 113.478 $\pm$ 0.028 χ^2 /NDF: 1480062.5/17

All: 118.014 $\pm$ 0.021 χ^2 /NDF: 3054705.8/37

- sign 123.817 $\pm$ 0.032 χ^2 /NDF: 1516449.8/19

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145 ± 478.909 χ^2/NDF : 15.9/15

Left Out: -484.327 ± 482.747 χ^2/NDF : 3.7/1

Right Out: -469.736 ± 522.203 χ^2/NDF : 13.4/18

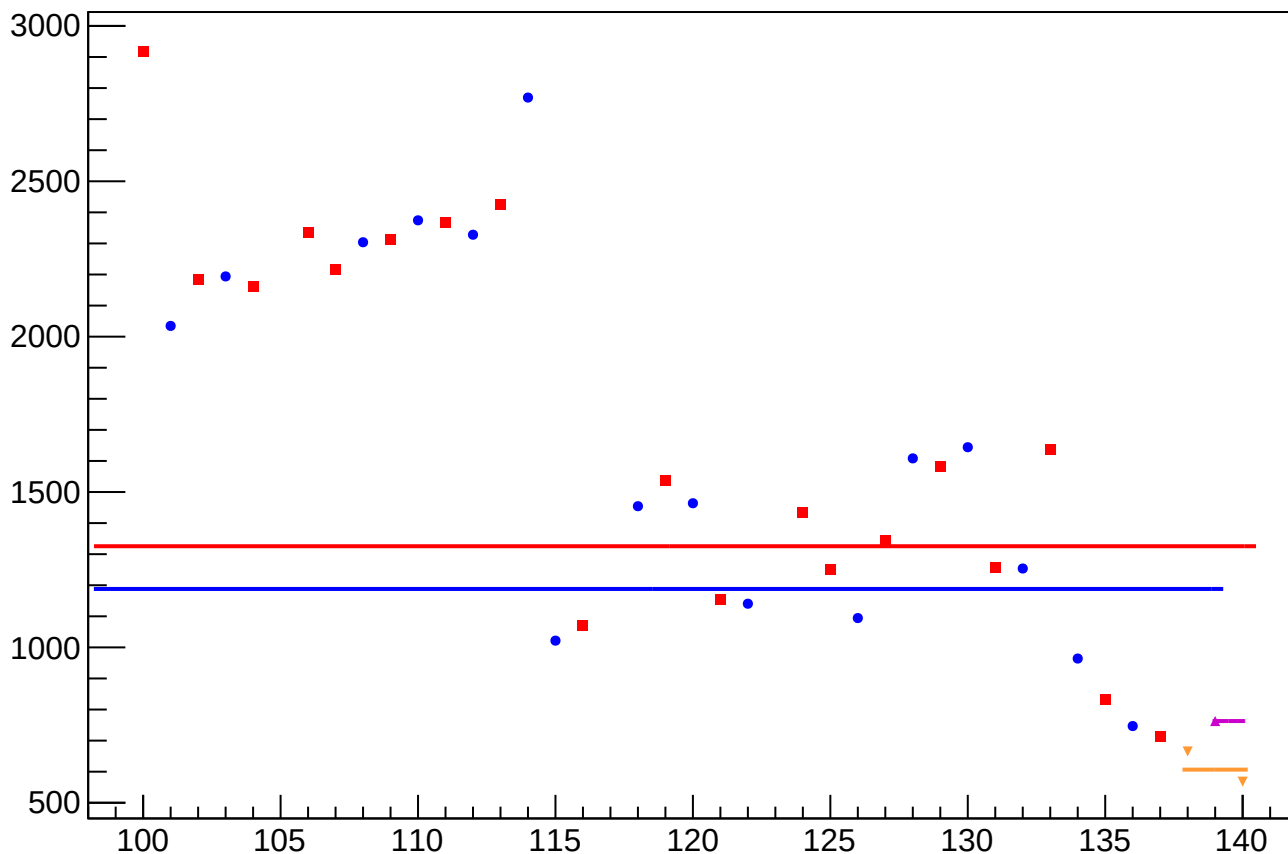
Left In: -873.791 ± 830.172 χ^2/NDF : 0.0/0

+ sign -841.061 ± 339.989 χ^2/NDF : 20.7/17

All: -745.617 ± 269.492 χ^2/NDF : 34.5/37

- sign -584.287 ± 442.025 χ^2/NDF : 13.5/19

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF :19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF : 1920986.7/18

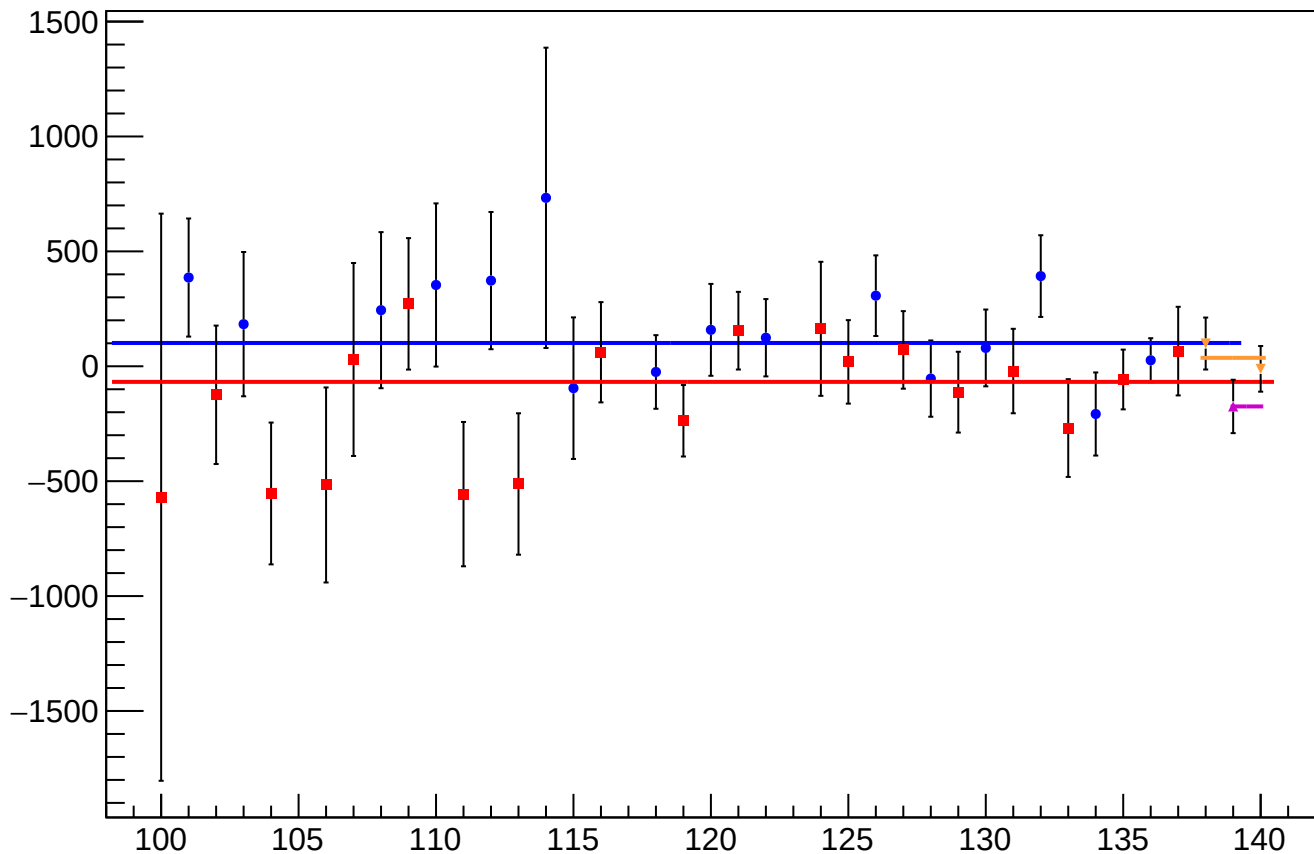
Left In: 762.980+/-0.587 χ^2/NDF :0.0/0

+ sign 899.658+/-0.240 χ^2/NDF : 3526463.8/17

All: 998.685+/-0.191 χ^2/NDF : 6562002.6/37

- sign 1166.070+/-0.313 χ^2/NDF : 2579074.8/19

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 36.743 $\pm$ 74.612 χ^2 /NDF: 0.5/1

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

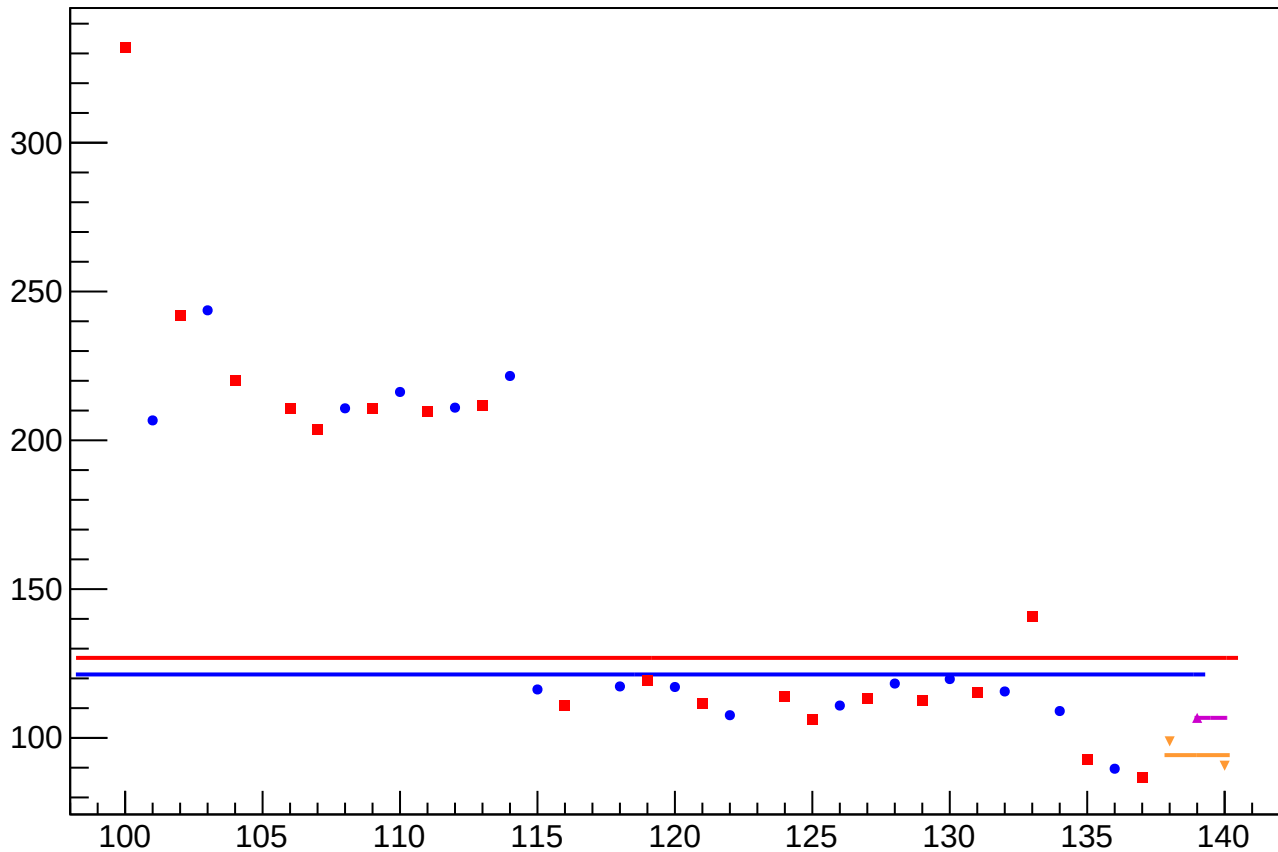
Left In: -174.781 $\pm$ 116.188 χ^2 /NDF: 0.0/0

+ sign 82.712 $\pm$ 40.148 χ^2 /NDF: 14.4/17

All: 9.475 $\pm$ 30.077 χ^2 /NDF: 38.8/37

- sign -84.208 $\pm$ 45.407 χ^2 /NDF: 16.8/19

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF : 1286654.0/15

Left Out: 94.222+/-0.053 χ^2/NDF : 5913.6/1

Right Out: 126.895+/-0.035 χ^2/NDF : 1465478.6/18

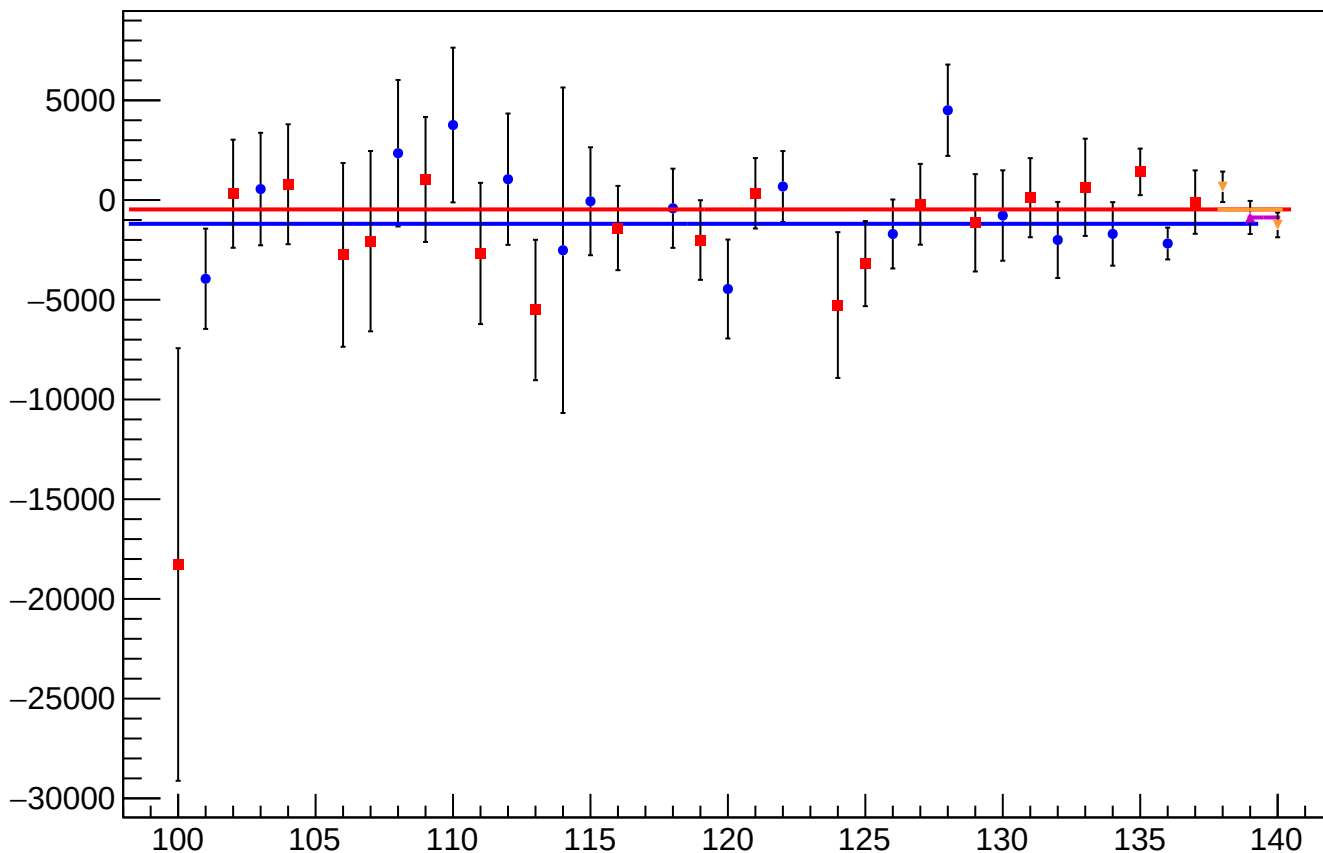
Left In: 106.744+/-0.082 χ^2/NDF : 0.0/0

+ sign 113.478+/-0.028 χ^2/NDF : 1480062.5/17

All: 118.014+/-0.021 χ^2/NDF : 3054705.8/37

- sign 123.817+/-0.032 χ^2/NDF : 1516449.8/19

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1192.145 $\pm$ 478.909 χ^2 /NDF: 15.9/15

Left Out: -484.327 $\pm$ 482.747 χ^2 /NDF:3.7/1

Right Out: -469.736 $\pm$ 522.203 χ^2 /NDF: 13.4/18

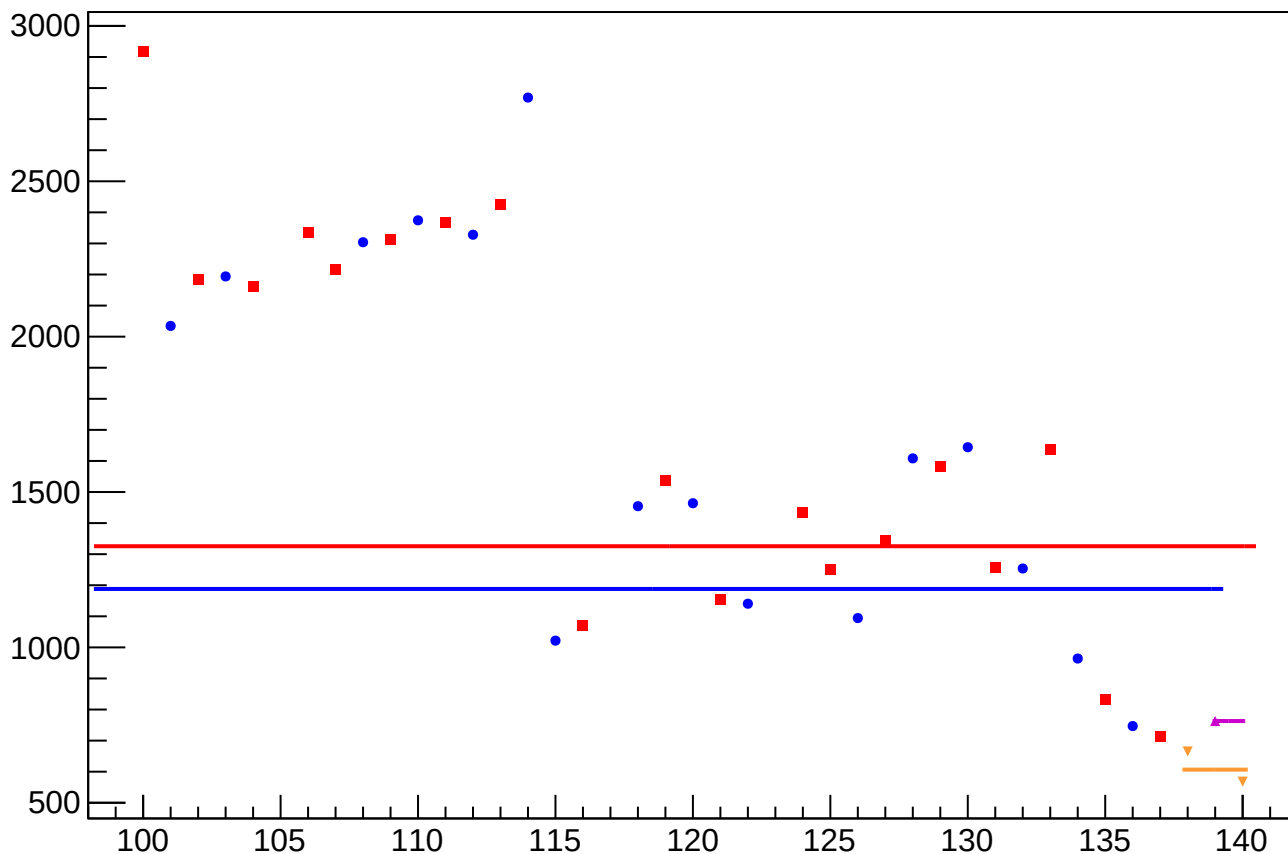
Left In: -873.791 $\pm$ 830.172 χ^2 /NDF:0.0/0

+ sign -841.061 $\pm$ 339.989 χ^2 /NDF: 20.7/17

All: -745.617 $\pm$ 269.492 χ^2 /NDF: 34.5/37

- sign -584.287 $\pm$ 442.025 χ^2 /NDF: 13.5/19

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF :19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF : 1920986.7/18

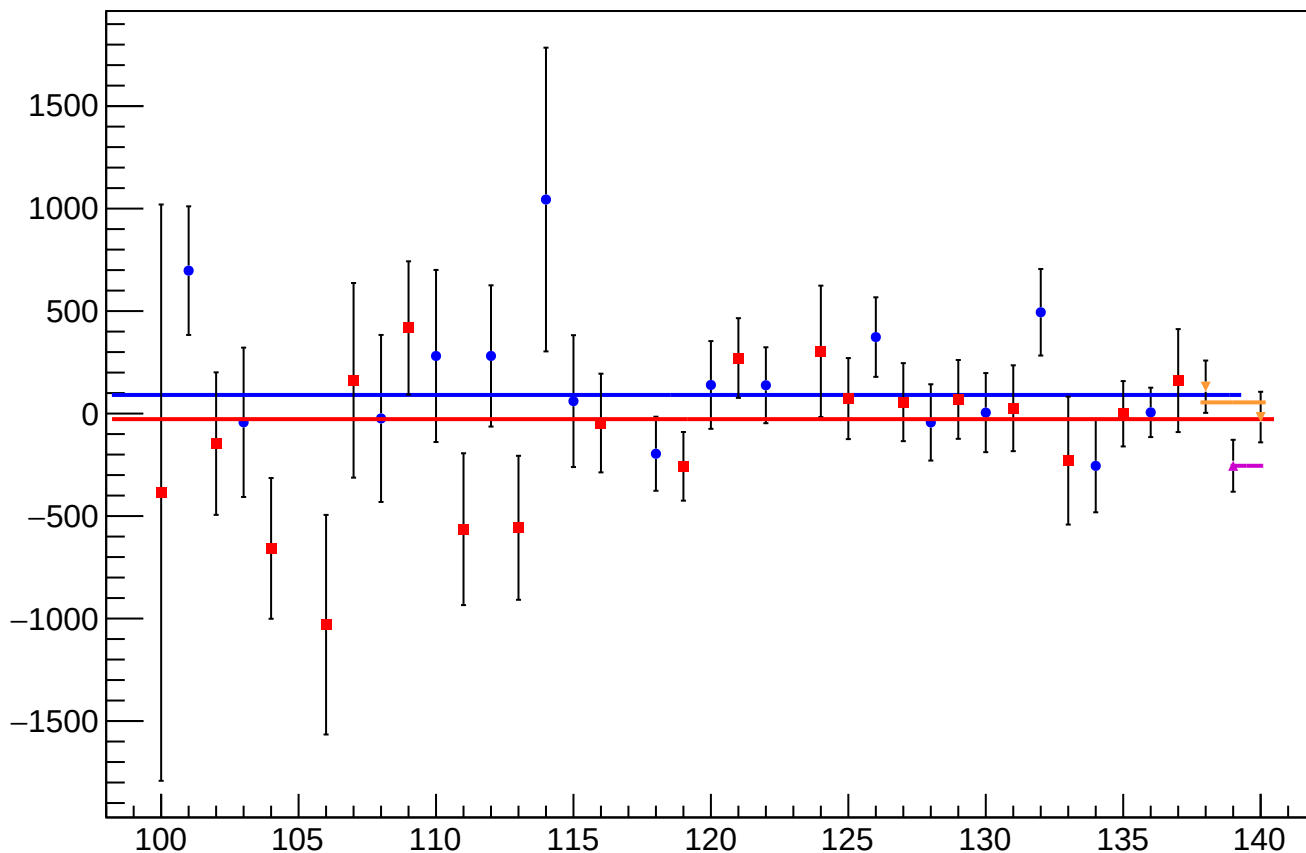
Left In: 762.980+/-0.587 χ^2/NDF :0.0/0

+ sign 899.658+/-0.240 χ^2/NDF : 3526463.8/17

All: 998.685+/-0.191 χ^2/NDF : 6562002.6/37

- sign 1166.070+/-0.313 χ^2/NDF : 2579074.8/19

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908 $\pm$ 55.565 χ^2 /NDF: 18.1/15

Left Out: 54.566 $\pm$ 88.705 χ^2 /NDF: 0.7/1

Right Out: -27.170 $\pm$ 57.015 χ^2 /NDF: 20.6/18

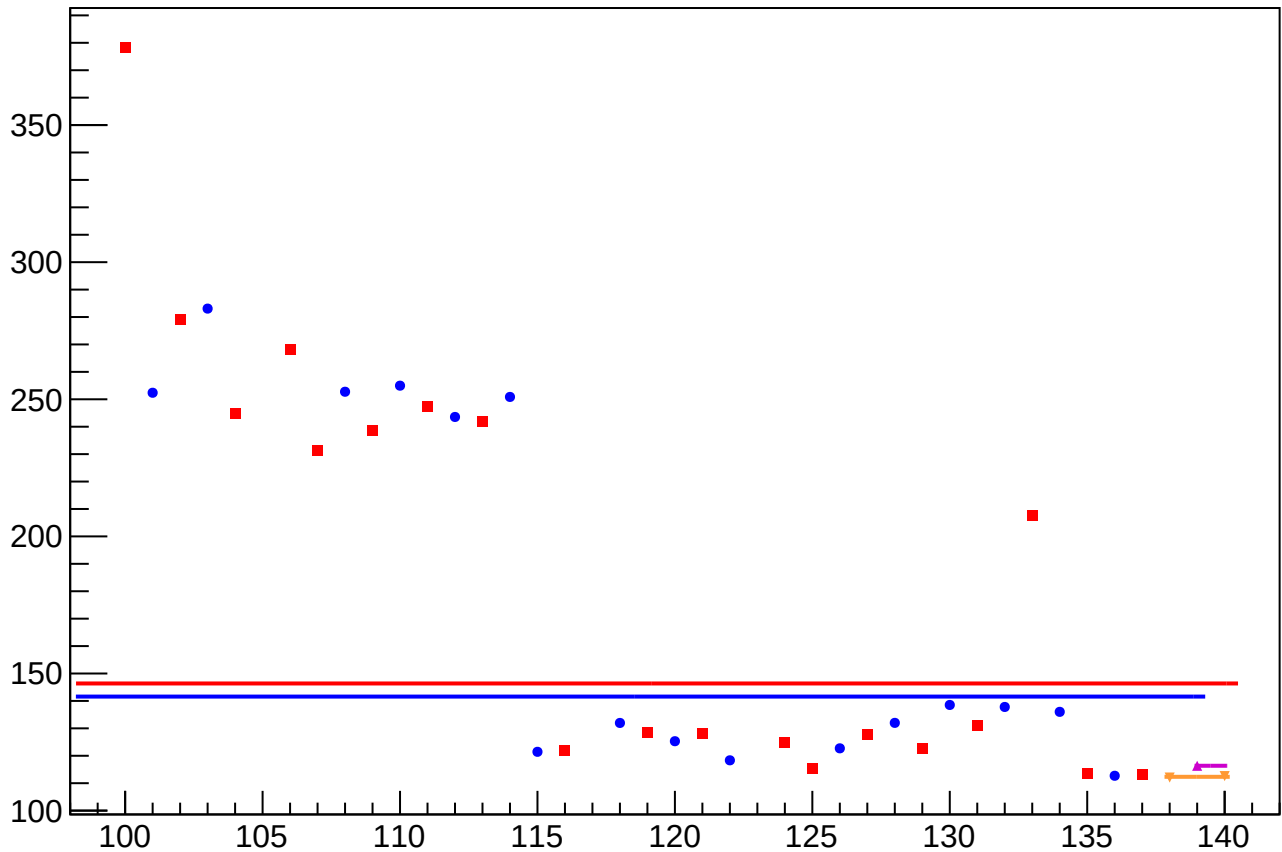
Left In: -254.691 $\pm$ 126.606 χ^2 /NDF: 0.0/0

+ sign 80.667 $\pm$ 47.089 χ^2 /NDF: 18.9/17

All: 14.777 $\pm$ 34.900 χ^2 /NDF: 46.5/37

- sign -65.532 $\pm$ 51.987 χ^2 /NDF: 23.2/19

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586 $\pm$ 0.039 χ^2 /NDF: 1262366.8/15

Left Out: 112.328 $\pm$ 0.063 χ^2 /NDF:17.4/1

Right Out: 146.368 $\pm$ 0.040 χ^2 /NDF: 1513656.0/18

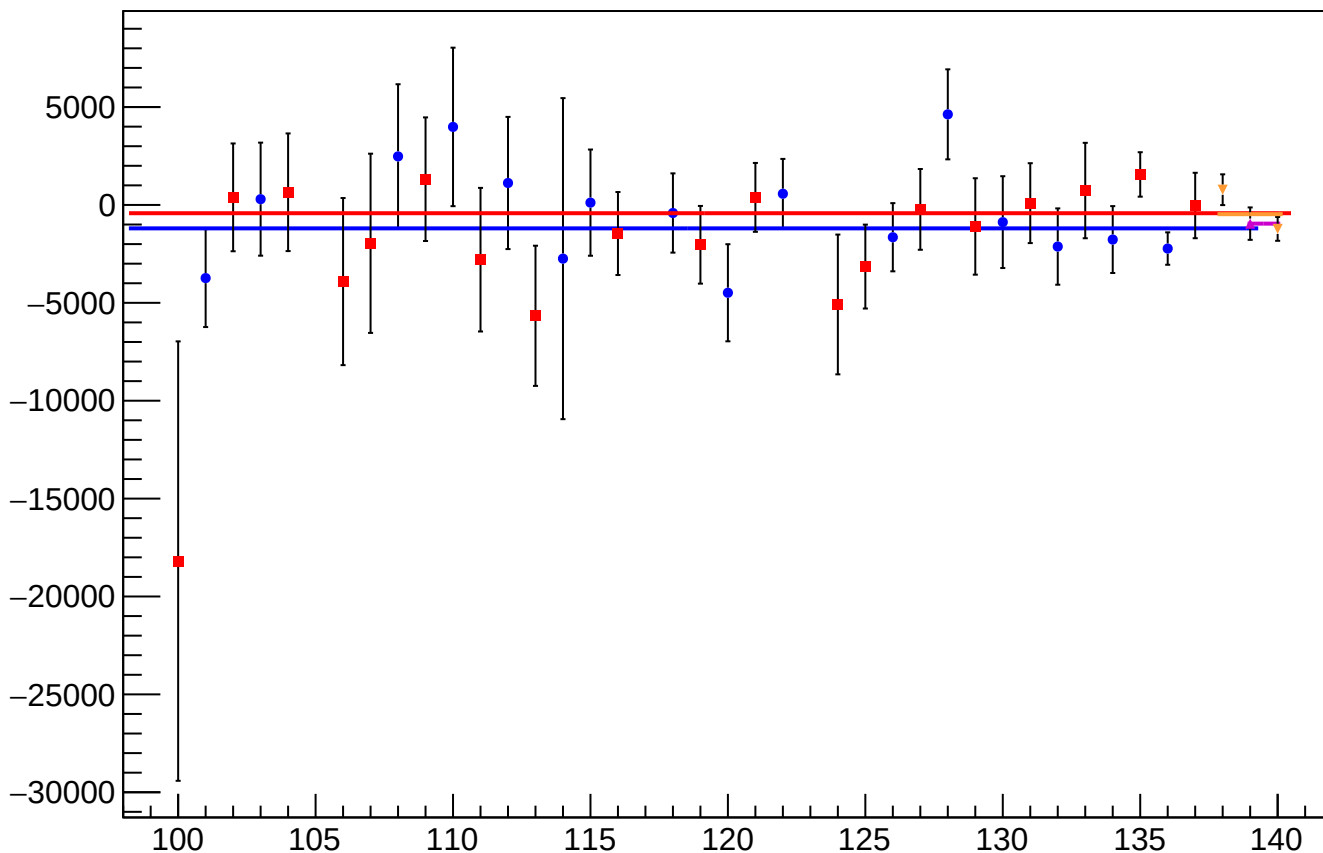
Left In: 116.355 $\pm$ 0.090 χ^2 /NDF:0.0/0

+ sign 133.341 $\pm$ 0.033 χ^2 /NDF: 1418650.8/17

All: 136.932 $\pm$ 0.025 χ^2 /NDF: 3051552.2/37

- sign 141.308 $\pm$ 0.037 χ^2 /NDF: 1607101.8/19

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663 ± 491.384 χ^2/NDF : 16.0/15

Left Out: -471.594 ± 481.479 χ^2/NDF : 4.0/1

Right Out: -422.161 ± 523.834 χ^2/NDF : 14.3/18

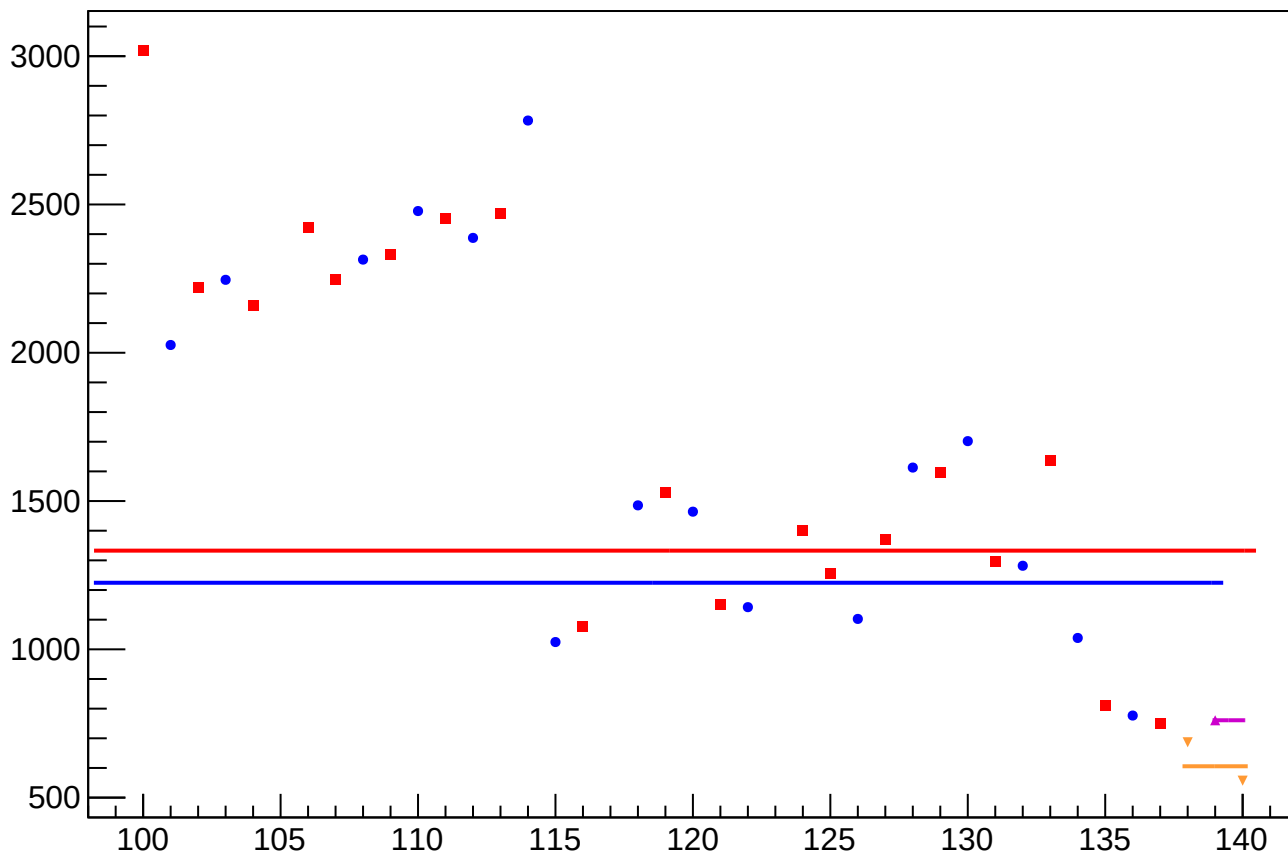
Left In: -954.545 ± 828.041 χ^2/NDF : 0.0/0

+ sign -826.747 ± 343.905 χ^2/NDF : 21.1/17

All: -731.744 ± 271.584 χ^2/NDF : 35.9/37

- sign -574.327 ± 442.688 χ^2/NDF : 14.6/19

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF : 1959362.3/15

Left Out: 605.702+/-0.340 χ^2/NDF : 33870.4/1

Right Out: 1332.785+/-0.370 χ^2/NDF : 1994811.5/18

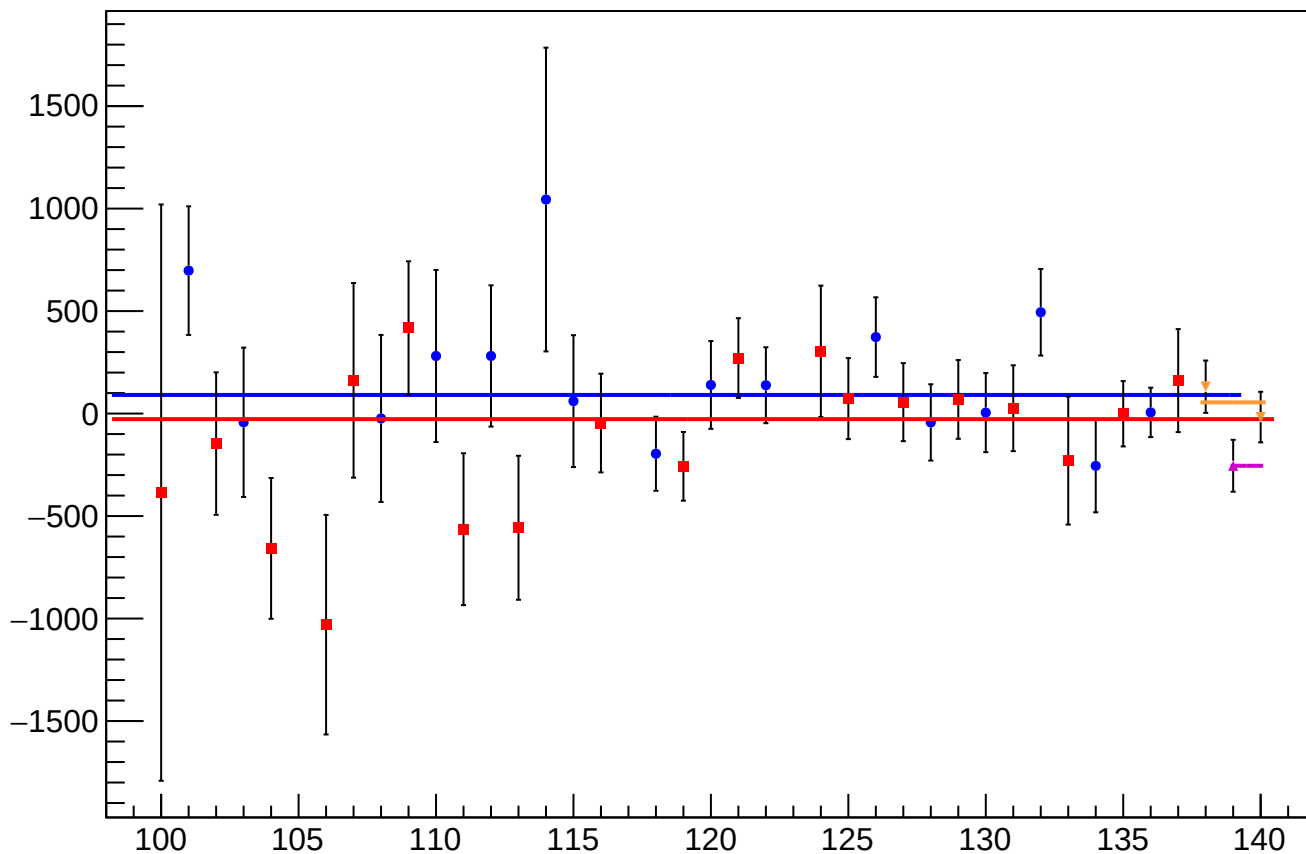
Left In: 760.838+/-0.586 χ^2/NDF : 0.0/0

+ sign 908.787+/-0.243 χ^2/NDF : 3611194.3/17

All: 1006.839+/-0.192 χ^2/NDF : 6719452.7/37

- sign 1169.311+/-0.313 χ^2/NDF : 2676281.0/19

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910 $\pm$ 55.564 χ^2 /NDF: 18.1/15

Left Out: 54.562 $\pm$ 88.705 χ^2 /NDF: 0.7/1

Right Out: -27.170 $\pm$ 57.015 χ^2 /NDF: 20.6/18

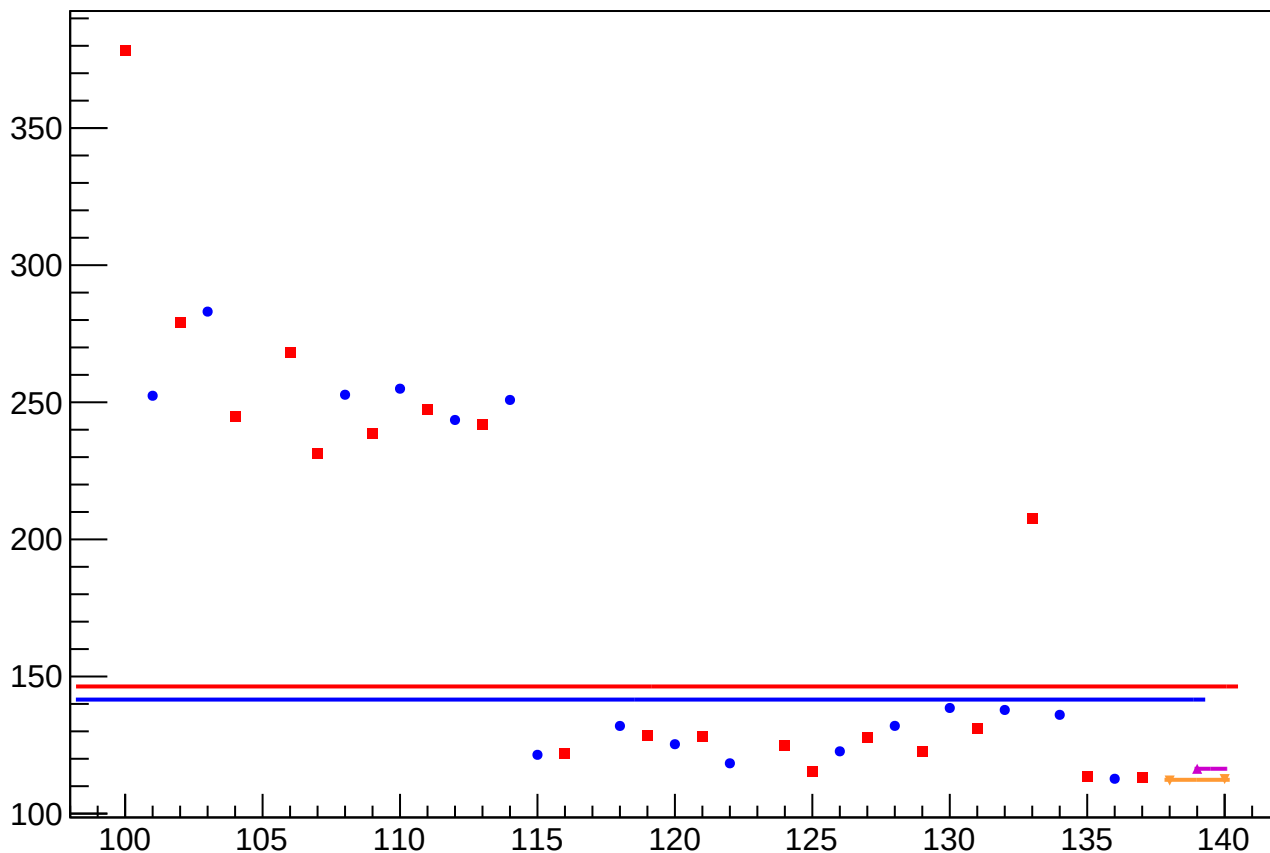
Left In: -254.686 $\pm$ 126.606 χ^2 /NDF: 0.0/0

+ sign 80.667 $\pm$ 47.089 χ^2 /NDF: 18.9/17

All: 14.778 $\pm$ 34.900 χ^2 /NDF: 46.5/37

- sign -65.531 $\pm$ 51.987 χ^2 /NDF: 23.2/19

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586 $\pm$ 0.039 χ^2 /NDF: 1262350.2/15

Left Out: 112.328 $\pm$ 0.063 χ^2 /NDF:17.5/1

Right Out: 146.368 $\pm$ 0.040 χ^2 /NDF: 1513641.5/18

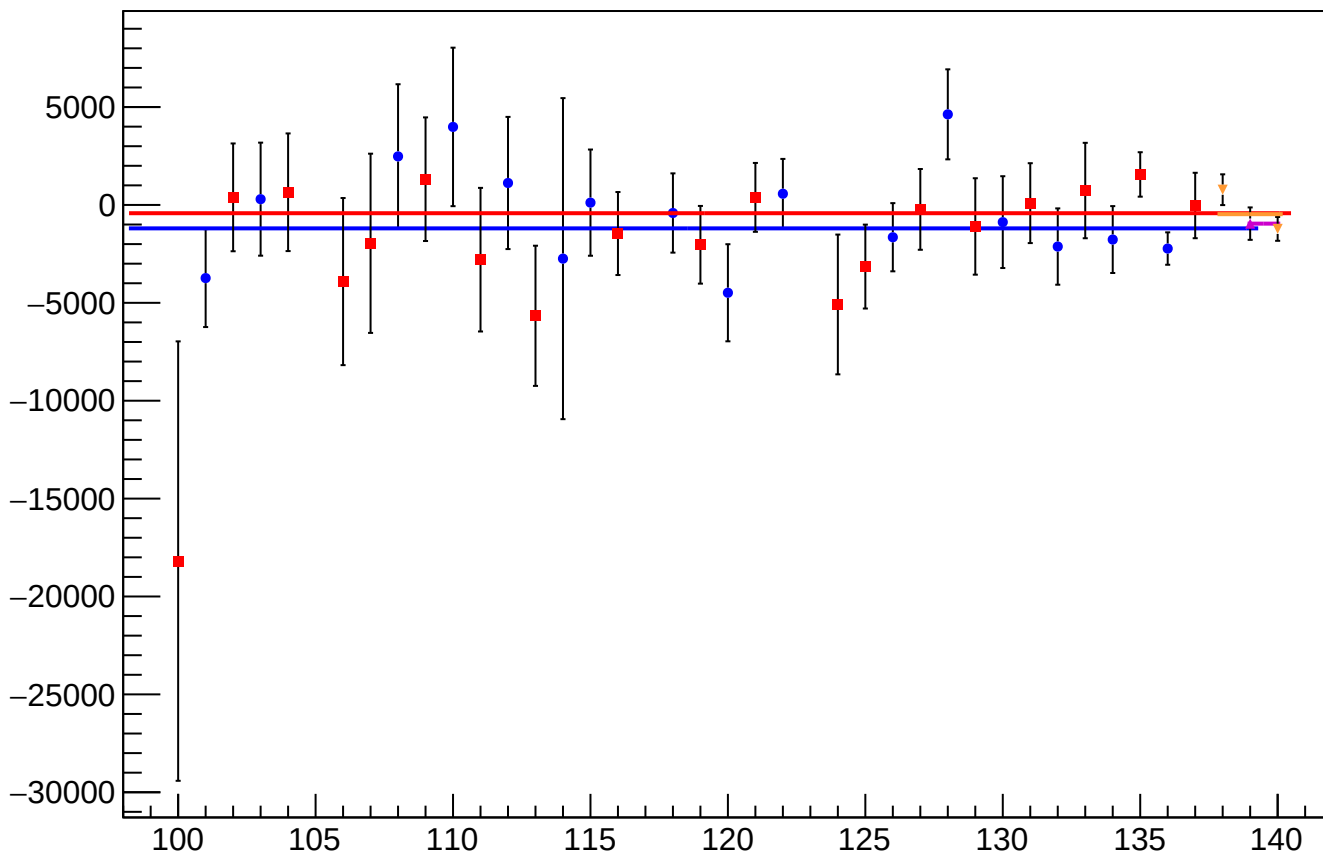
Left In: 116.355 $\pm$ 0.090 χ^2 /NDF:0.0/0

+ sign 133.341 $\pm$ 0.033 χ^2 /NDF: 1418627.5/17

All: 136.931 $\pm$ 0.025 χ^2 /NDF: 3051511.9/37

- sign 141.308 $\pm$ 0.037 χ^2 /NDF: 1607083.2/19

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1196.659 ± 491.383 χ^2/NDF : 16.0/15

Left Out: -471.591 ± 481.478 χ^2/NDF : 4.0/1

Right Out: -422.163 ± 523.833 χ^2/NDF : 14.3/18

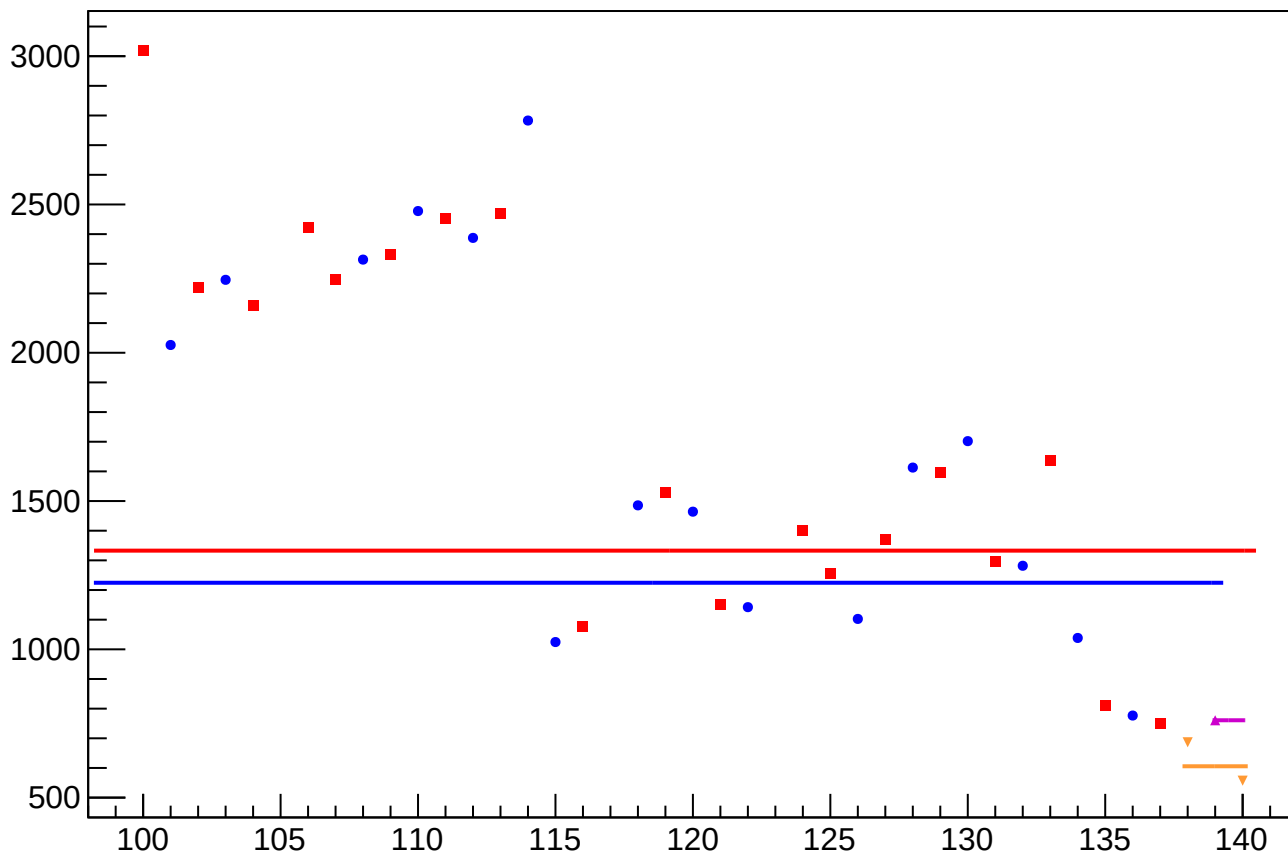
Left In: -954.538 ± 828.036 χ^2/NDF : 0.0/0

+ sign -826.744 ± 343.905 χ^2/NDF : 21.1/17

All: -731.742 ± 271.583 χ^2/NDF : 35.9/37

- sign -574.327 ± 442.687 χ^2/NDF : 14.6/19

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF : 1959341.1/15

Left Out: 605.701+/-0.340 χ^2/NDF : 33868.1/1

Right Out: 1332.784+/-0.370 χ^2/NDF : 1994794.3/18

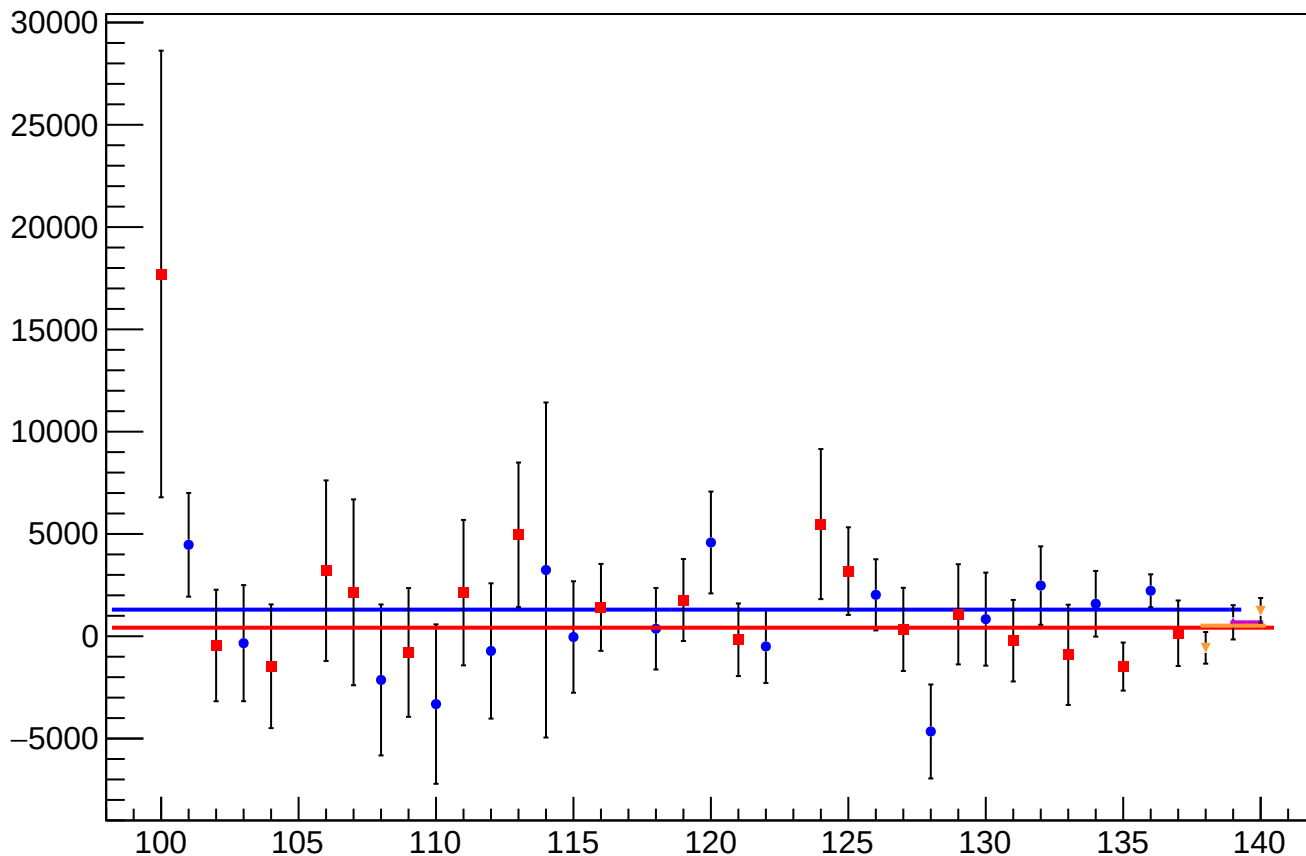
Left In: 760.833+/-0.586 χ^2/NDF : 0.0/0

+ sign 908.786+/-0.243 χ^2/NDF : 3611173.7/17

All: 1006.838+/-0.192 χ^2/NDF : 6719423.4/37

- sign 1169.308+/-0.313 χ^2/NDF : 2676279.0/19

asym_sam_26_avg_mean vs Slug



Right In: 1301.623 $\pm$ 481.959 χ^2 /NDF: 16.5/15

Left Out: 518.438 $\pm$ 488.582 χ^2 /NDF:3.3/1

Right Out: 418.283 $\pm$ 524.515 χ^2 /NDF: 13.0/18

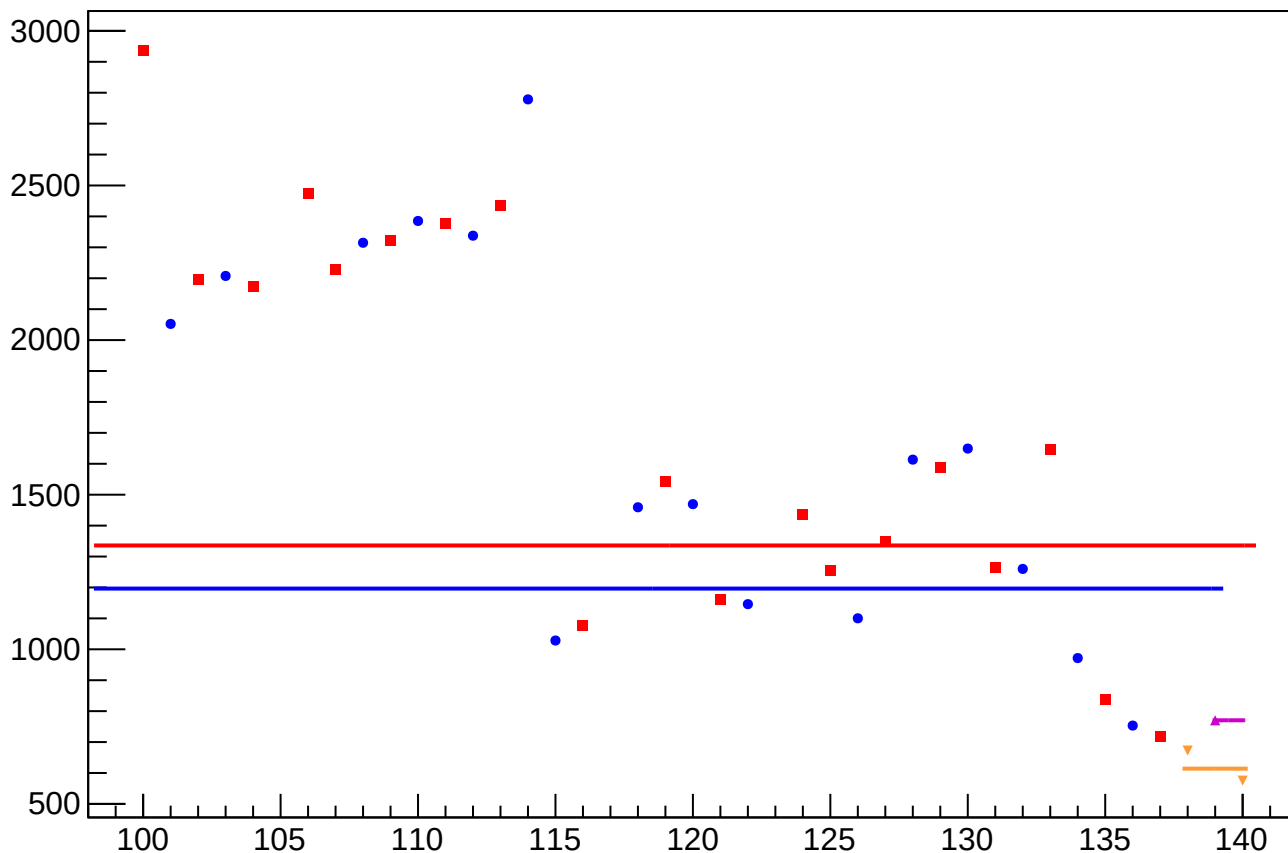
Left In: 681.170 $\pm$ 838.295 χ^2 /NDF:0.0/0

+ sign 915.375 $\pm$ 343.114 χ^2 /NDF: 21.0/17

All: 757.456 $\pm$ 271.642 χ^2 /NDF: 34.7/37

- sign 492.245 $\pm$ 444.649 χ^2 /NDF: 13.1/19

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF : 2031710.2/15

Left Out: 614.033+/-0.345 χ^2/NDF :19031.3/1

Right Out: 1335.809+/-0.371 χ^2/NDF : 1951472.1/18

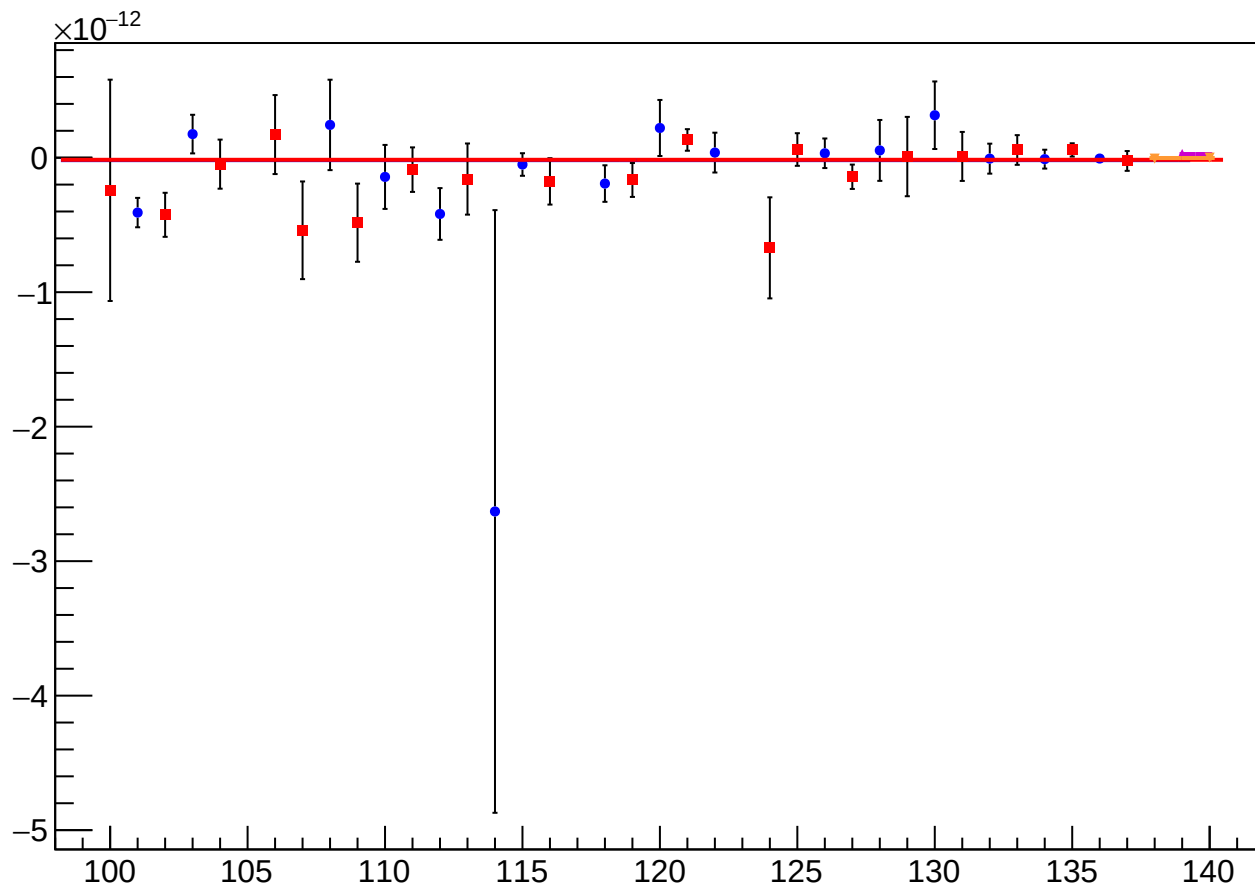
Left In: 770.448+/-0.593 χ^2/NDF :0.0/0

+ sign 909.167+/-0.243 χ^2/NDF : 3490651.6/17

All: 1009.032+/-0.192 χ^2/NDF : 6549828.3/37

- sign 1176.747+/-0.314 χ^2/NDF : 2605214.3/19

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2 /NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 25.6/18

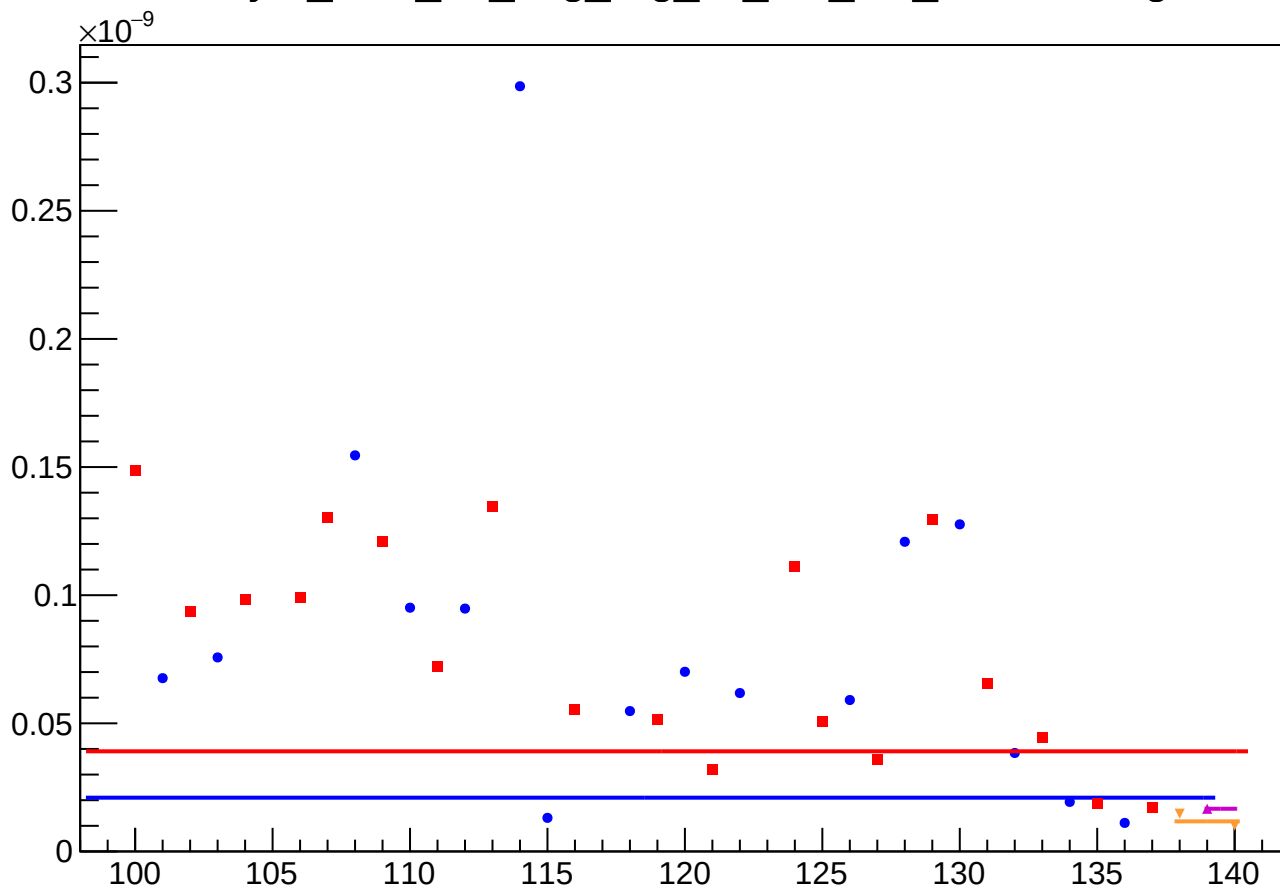
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 27.3/17

All: -0.000+/-0.000 χ^2 /NDF: 54.7/37

- sign 0.000+/-0.000 χ^2 /NDF: 26.9/19

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3380958.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 44624.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2073862.3/18

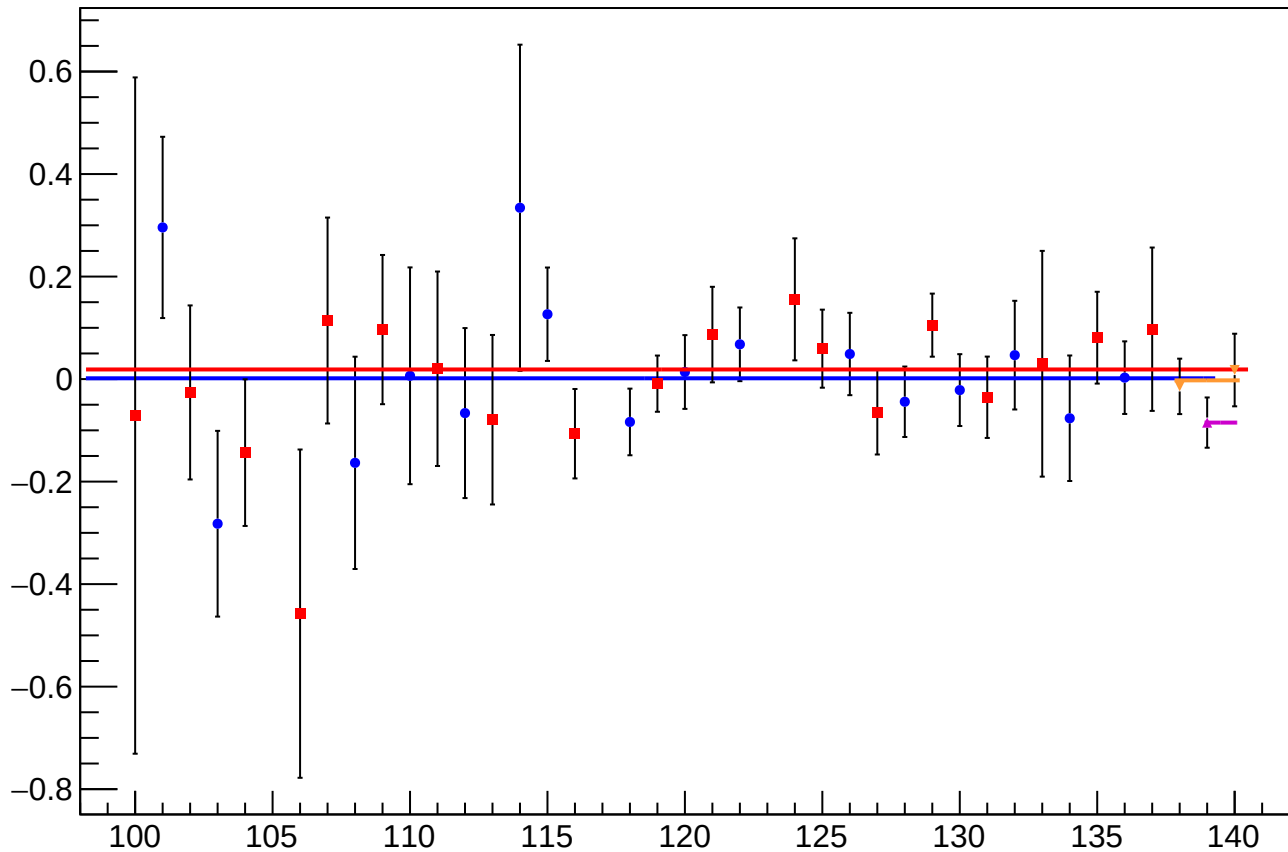
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3745170.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7081404.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2769484.6/19

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 χ^2/NDF : 13.1/15

Left Out: -0.002 ± 0.043 χ^2/NDF : 0.1/1

Right Out: 0.019 ± 0.024 χ^2/NDF : 13.1/18

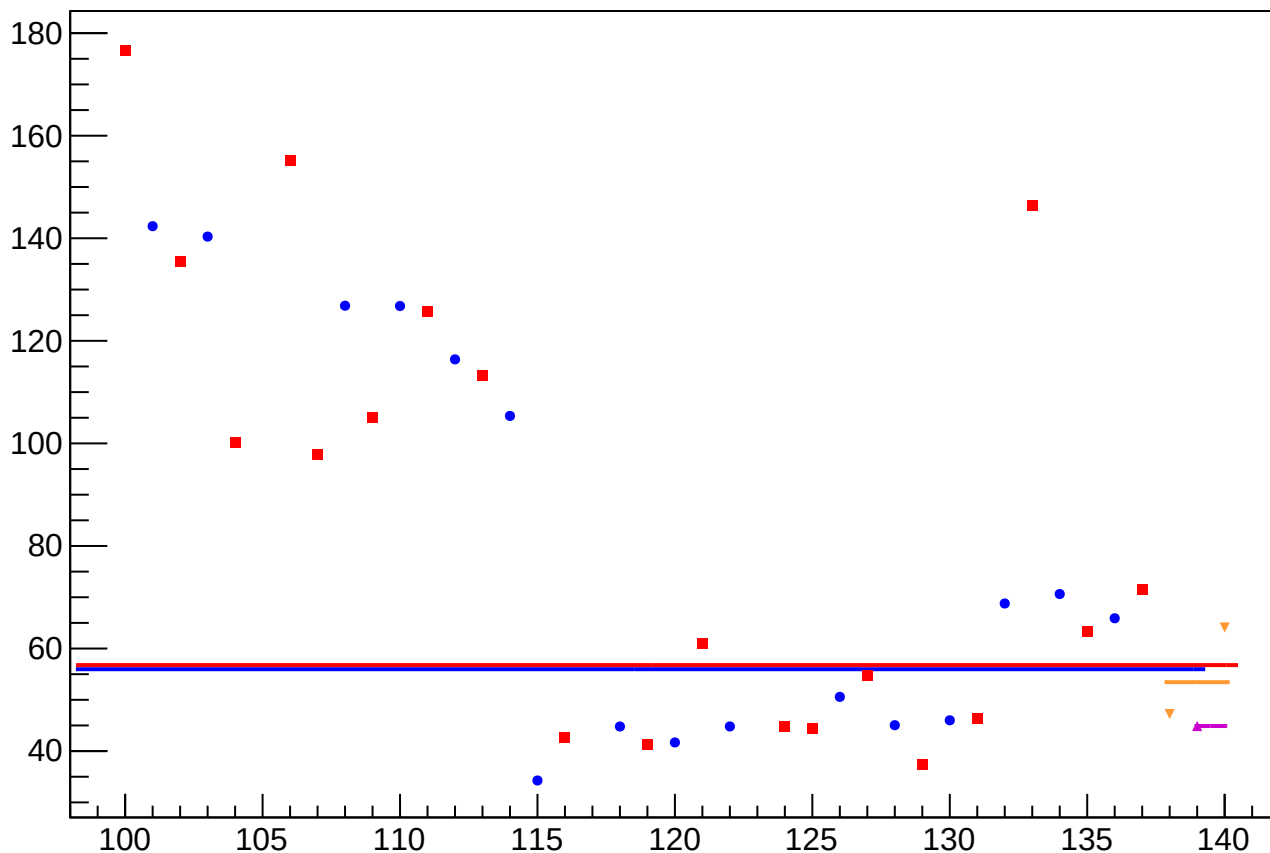
Left In: -0.085 ± 0.049 χ^2/NDF : 0.0/0

+ sign 0.001 ± 0.021 χ^2/NDF : 13.2/17

All: 0.000 ± 0.015 χ^2/NDF : 29.9/37

- sign -0.001 ± 0.021 χ^2/NDF : 16.7/19

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 0.017 χ^2 /NDF: 2179829.3/15

Left Out: 53.444 $\pm$ 0.030 χ^2 /NDF: 71786.2/1

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553223.5/18

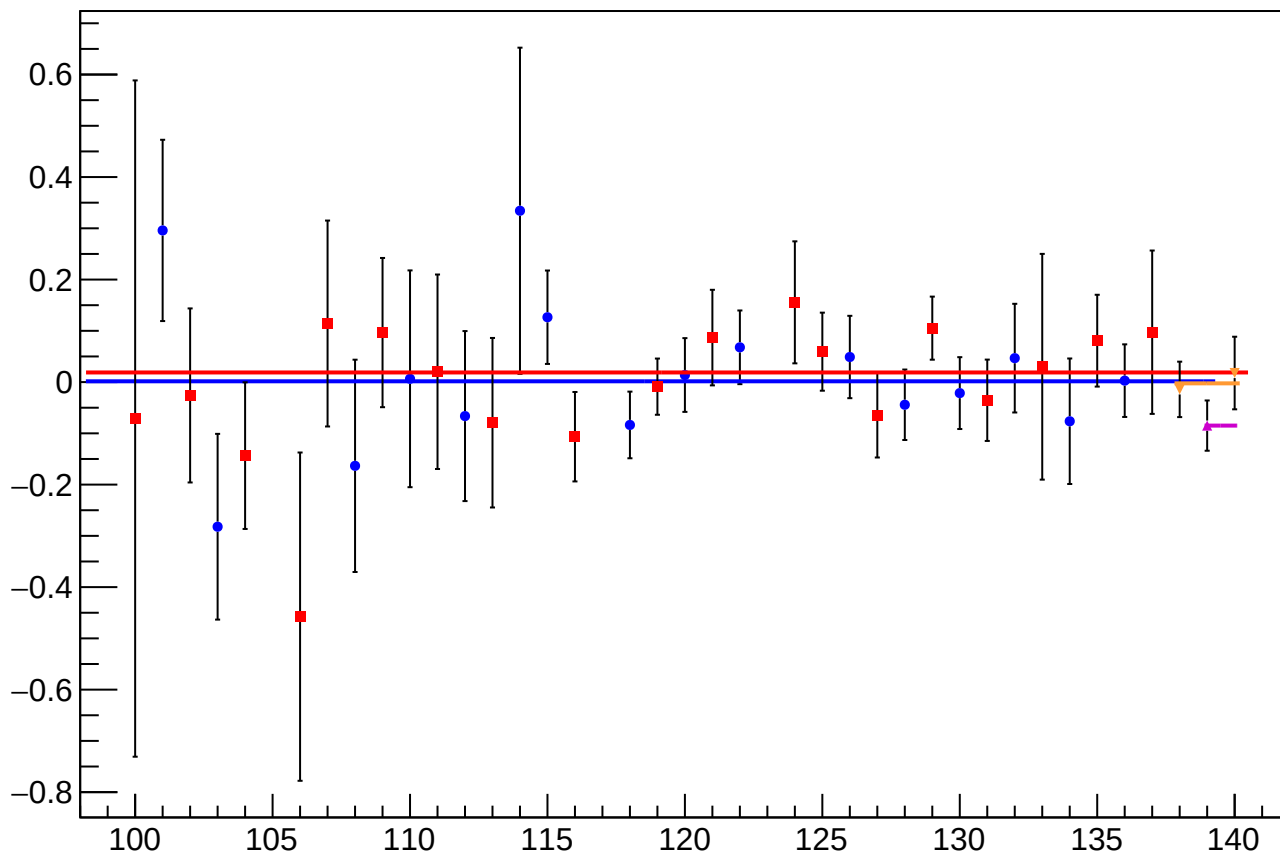
Left In: 44.892 $\pm$ 0.035 χ^2 /NDF: 0.0/0

+ sign 55.390 $\pm$ 0.015 χ^2 /NDF: 2256937.9/17

All: 54.982 $\pm$ 0.010 χ^2 /NDF: 4907229.1/37

- sign 54.549 $\pm$ 0.015 χ^2 /NDF: 2648667.3/19

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 χ^2/NDF : 13.1/15

Left Out: -0.002 ± 0.043 χ^2/NDF : 0.1/1

Right Out: 0.019 ± 0.024 χ^2/NDF : 13.1/18

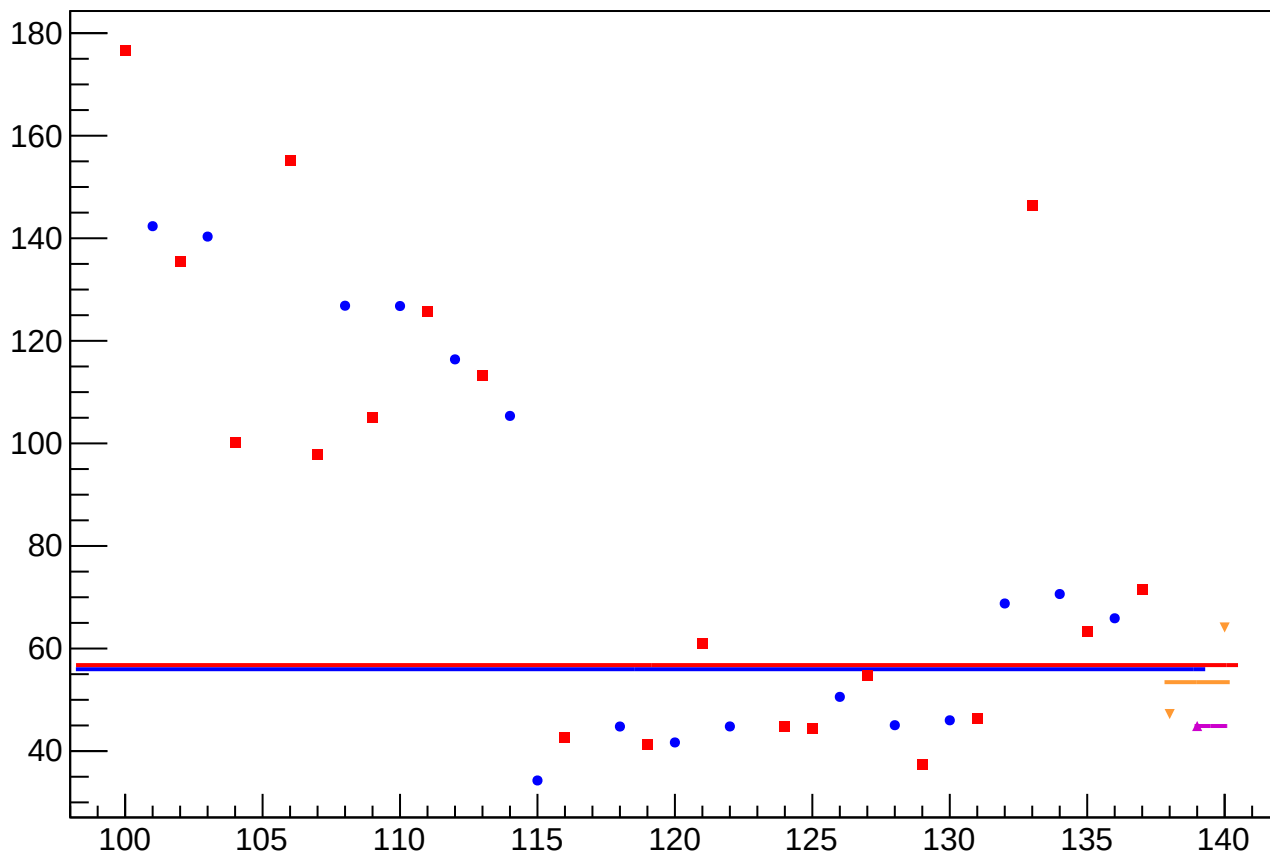
Left In: -0.085 ± 0.049 χ^2/NDF : 0.0/0

+ sign 0.001 ± 0.021 χ^2/NDF : 13.2/17

All: 0.000 ± 0.015 χ^2/NDF : 29.9/37

- sign -0.001 ± 0.021 χ^2/NDF : 16.7/19

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF : 2179829.3/15

Left Out: 53.444+/-0.030 χ^2/NDF : 71786.2/1

Right Out: 56.770+/-0.017 χ^2/NDF : 2553223.5/18

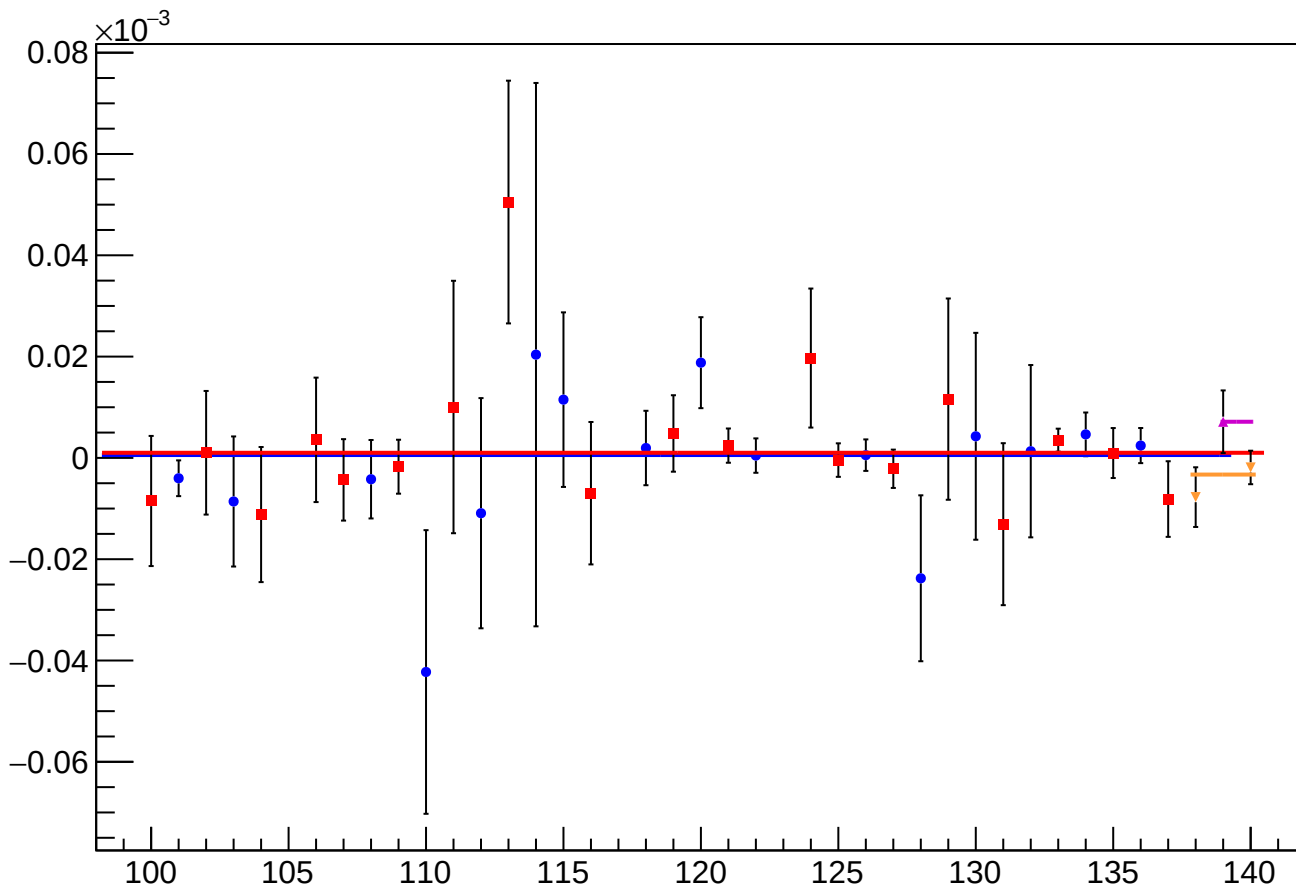
Left In: 44.892+/-0.035 χ^2/NDF : 0.0/0

+ sign 55.390+/-0.015 χ^2/NDF : 2256937.9/17

All: 54.982+/-0.010 χ^2/NDF : 4907229.1/37

- sign 54.549+/-0.015 χ^2/NDF : 2648667.3/19

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

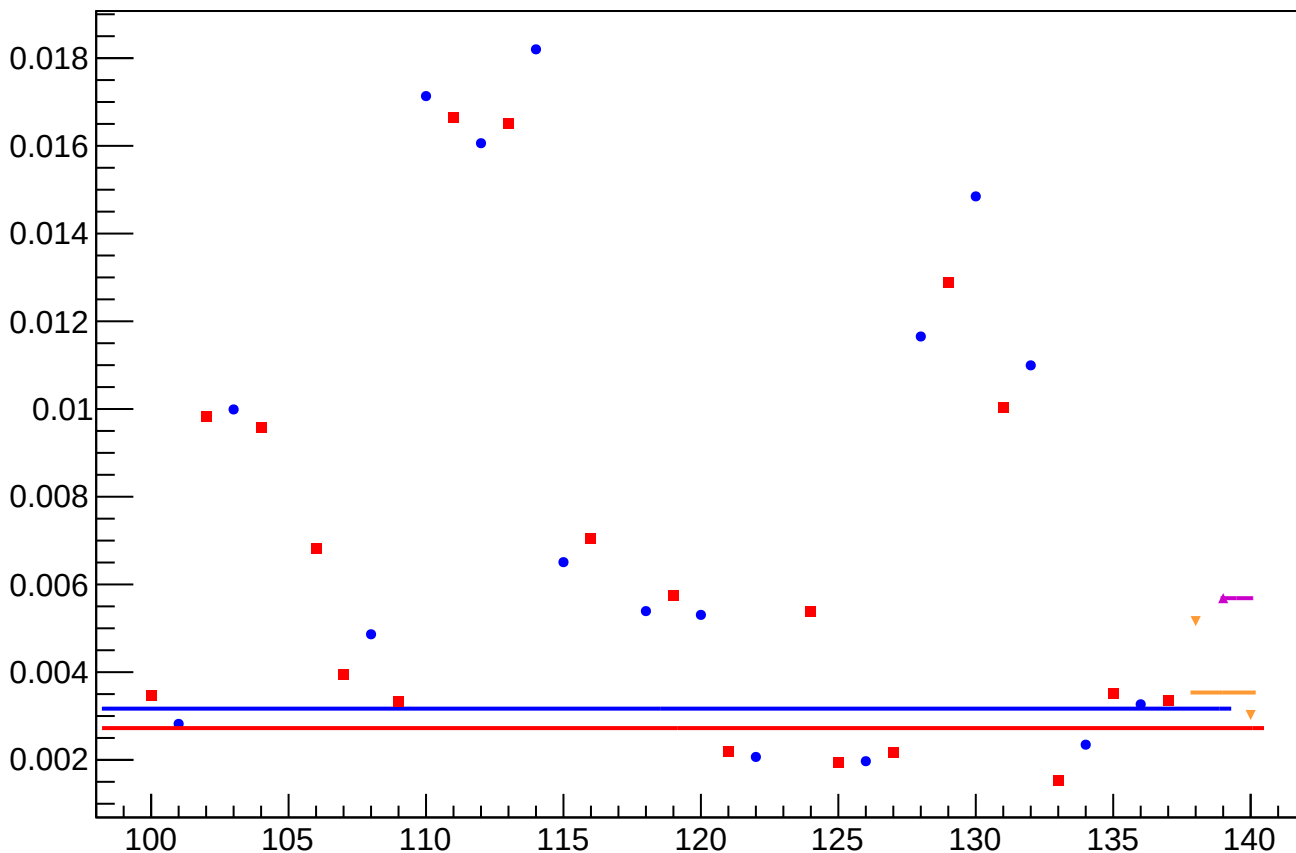
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/19

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4545616.6/15

Left Out: 0.004+/-0.000 χ^2/NDF : 200716.1/1

Right Out: 0.003+/-0.000 χ^2/NDF : 5153213.6/18

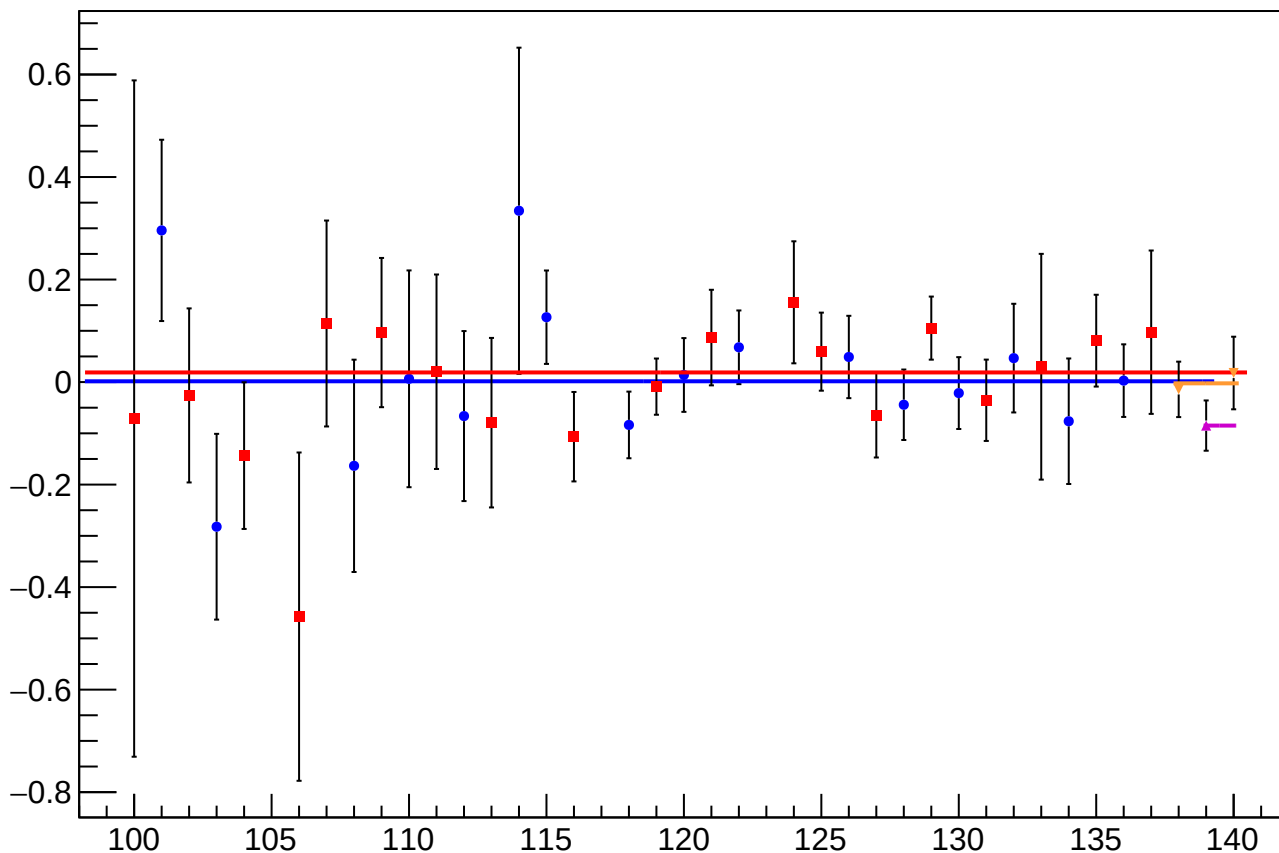
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 4772302.1/17

All: 0.003+/-0.000 χ^2/NDF : 10463521.0/37

- sign 0.003+/-0.000 χ^2/NDF : 5593609.0/19

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.023 χ^2 /NDF: 13.1/15

Left Out: -0.002 $\pm$ 0.043 χ^2 /NDF: 0.1/1

Right Out: 0.019 $\pm$ 0.024 χ^2 /NDF: 13.1/18

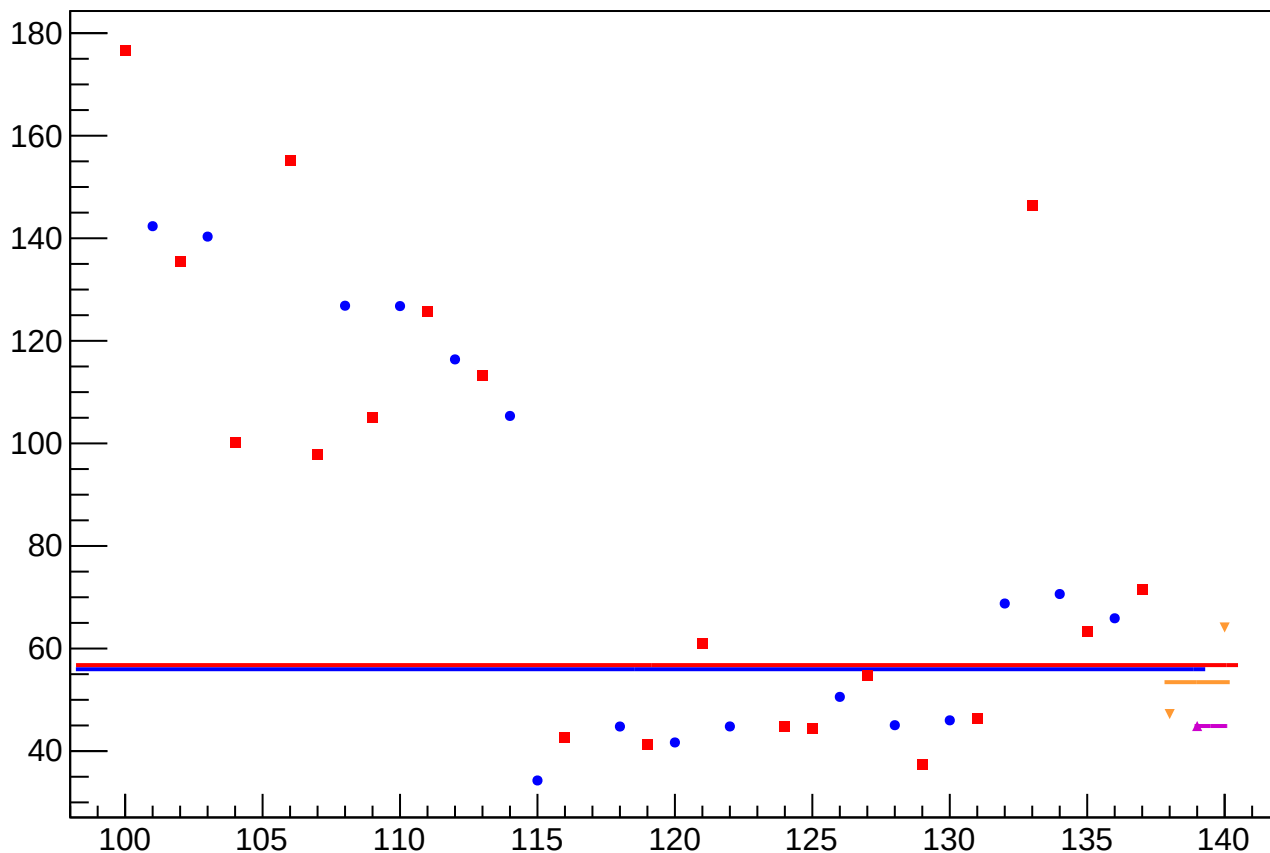
Left In: -0.085 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 0.001 $\pm$ 0.021 χ^2 /NDF: 13.2/17

All: 0.000 $\pm$ 0.015 χ^2 /NDF: 30.0/37

- sign -0.001 $\pm$ 0.021 χ^2 /NDF: 16.7/19

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2 /NDF: 2179757.6/15

Left Out: 53.443+/-0.030 χ^2 /NDF: 71794.7/1

Right Out: 56.770+/-0.017 χ^2 /NDF: 2553168.3/18

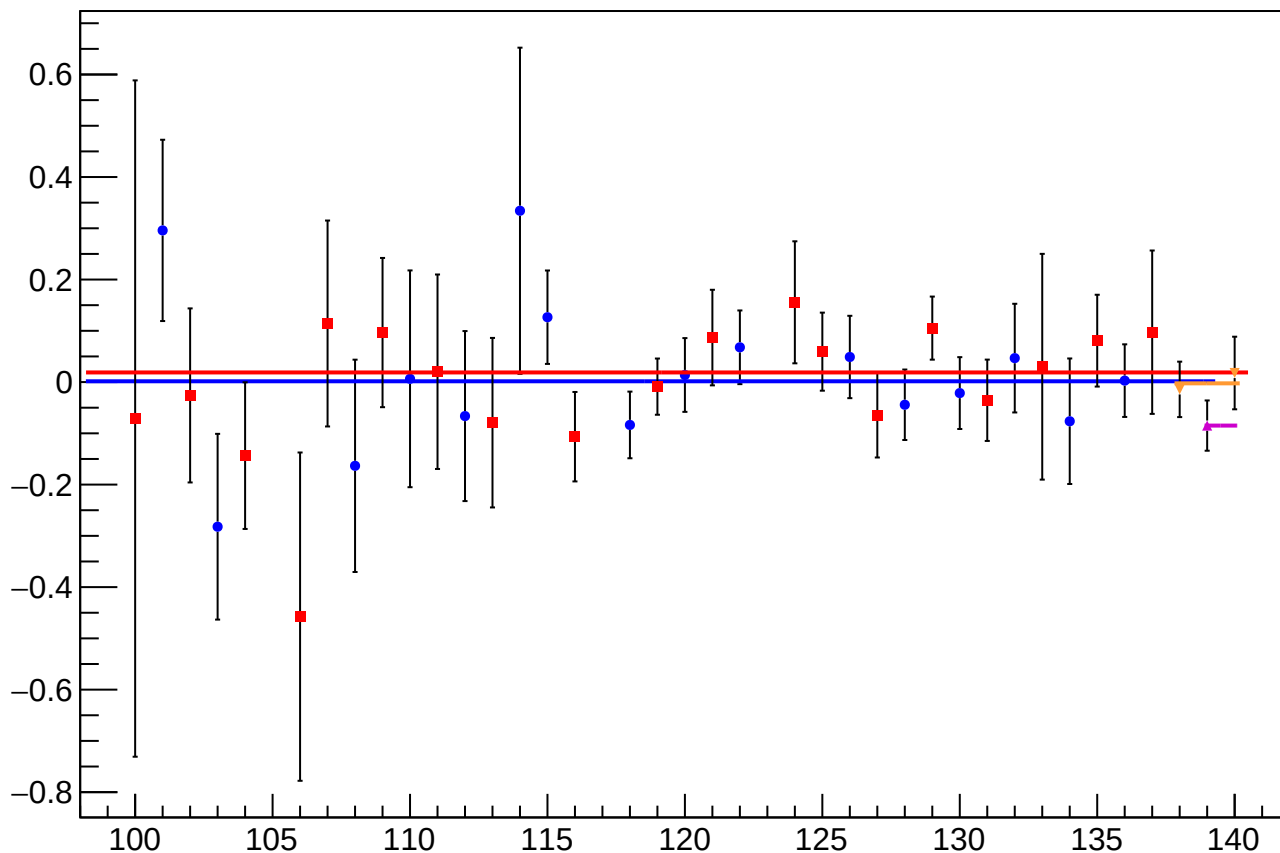
Left In: 44.892+/-0.035 χ^2 /NDF: 0.0/0

+ sign 55.390+/-0.015 χ^2 /NDF: 2256873.8/17

All: 54.982+/-0.010 χ^2 /NDF: 4907095.7/37

- sign 54.548+/-0.015 χ^2 /NDF: 2648597.7/19

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 χ^2/NDF : 13.1/15

Left Out: -0.002 ± 0.043 χ^2/NDF : 0.1/1

Right Out: 0.019 ± 0.024 χ^2/NDF : 13.1/18

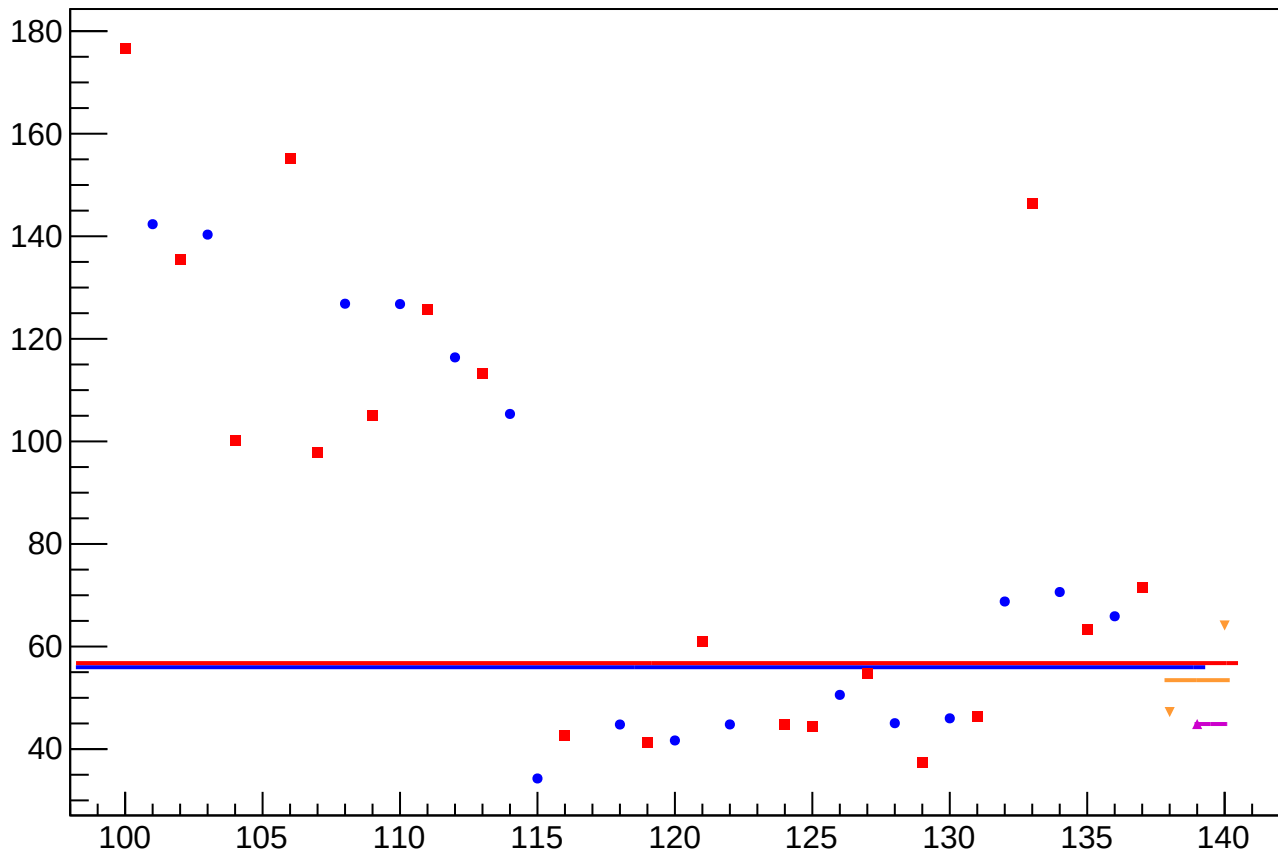
Left In: -0.085 ± 0.049 χ^2/NDF : 0.0/0

+ sign 0.001 ± 0.021 χ^2/NDF : 13.2/17

All: 0.000 ± 0.015 χ^2/NDF : 30.0/37

- sign -0.001 ± 0.021 χ^2/NDF : 16.7/19

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 0.017 χ^2 /NDF: 2179757.6/15

Left Out: 53.443 $\pm$ 0.030 χ^2 /NDF: 71794.7/1

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553168.3/18

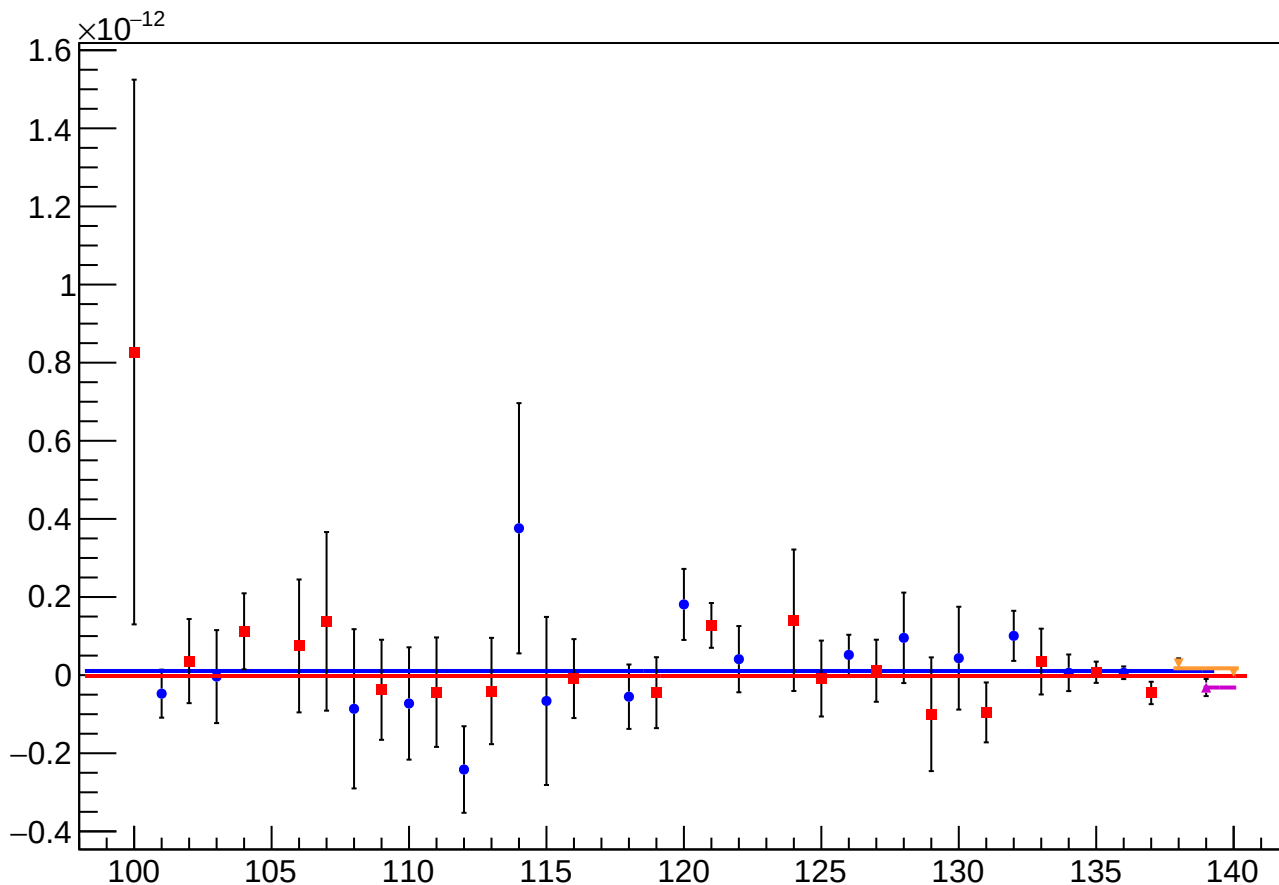
Left In: 44.892 $\pm$ 0.035 χ^2 /NDF: 0.0/0

+ sign 55.390 $\pm$ 0.015 χ^2 /NDF: 2256873.8/17

All: 54.982 $\pm$ 0.010 χ^2 /NDF: 4907095.7/37

- sign 54.548 $\pm$ 0.015 χ^2 /NDF: 2648597.7/19

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1.5/1

Right Out: -0.000+/-0.000 χ^2/NDF : 14.3/18

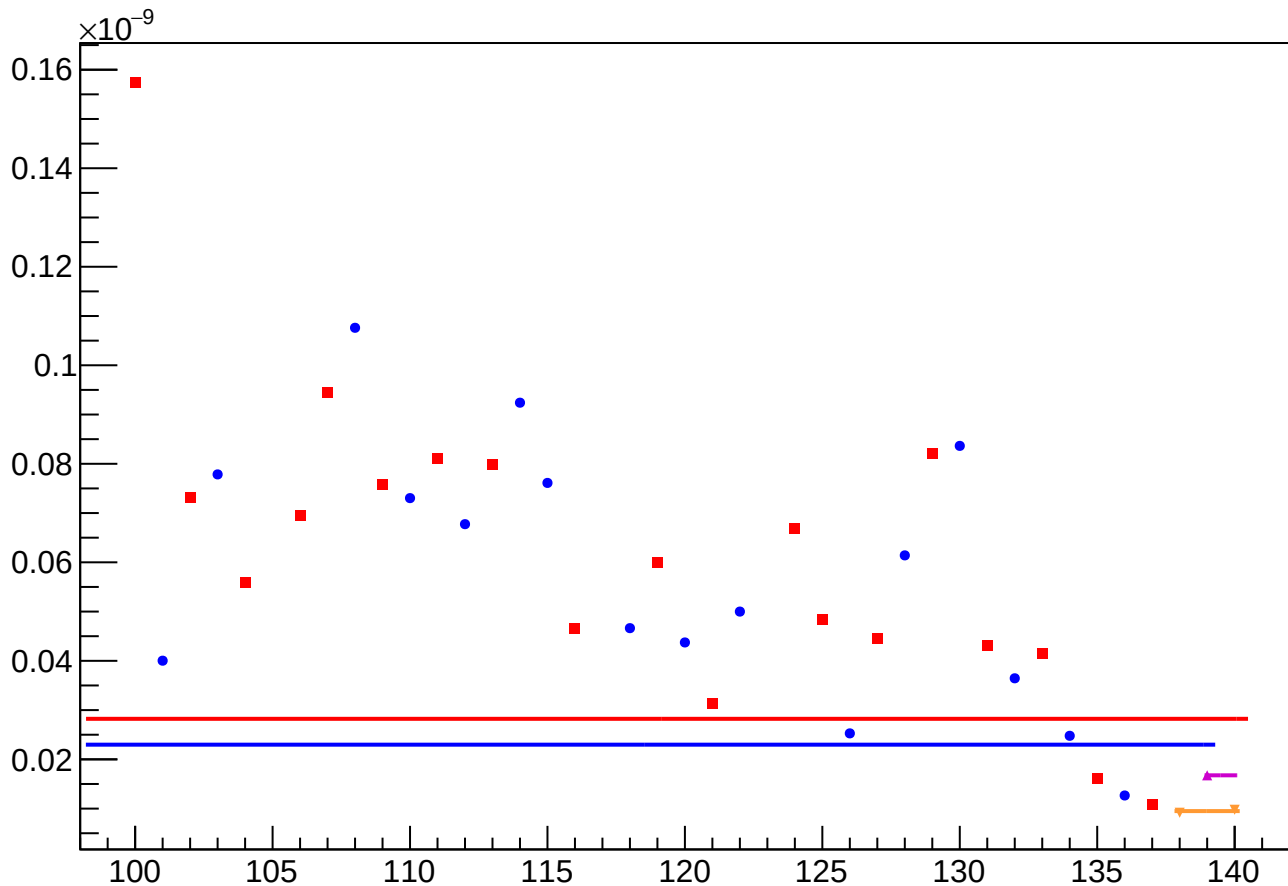
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 17.4/17

All: 0.000+/-0.000 χ^2/NDF : 36.3/37

- sign -0.000+/-0.000 χ^2/NDF : 15.5/19

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2314.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3820523.4/18

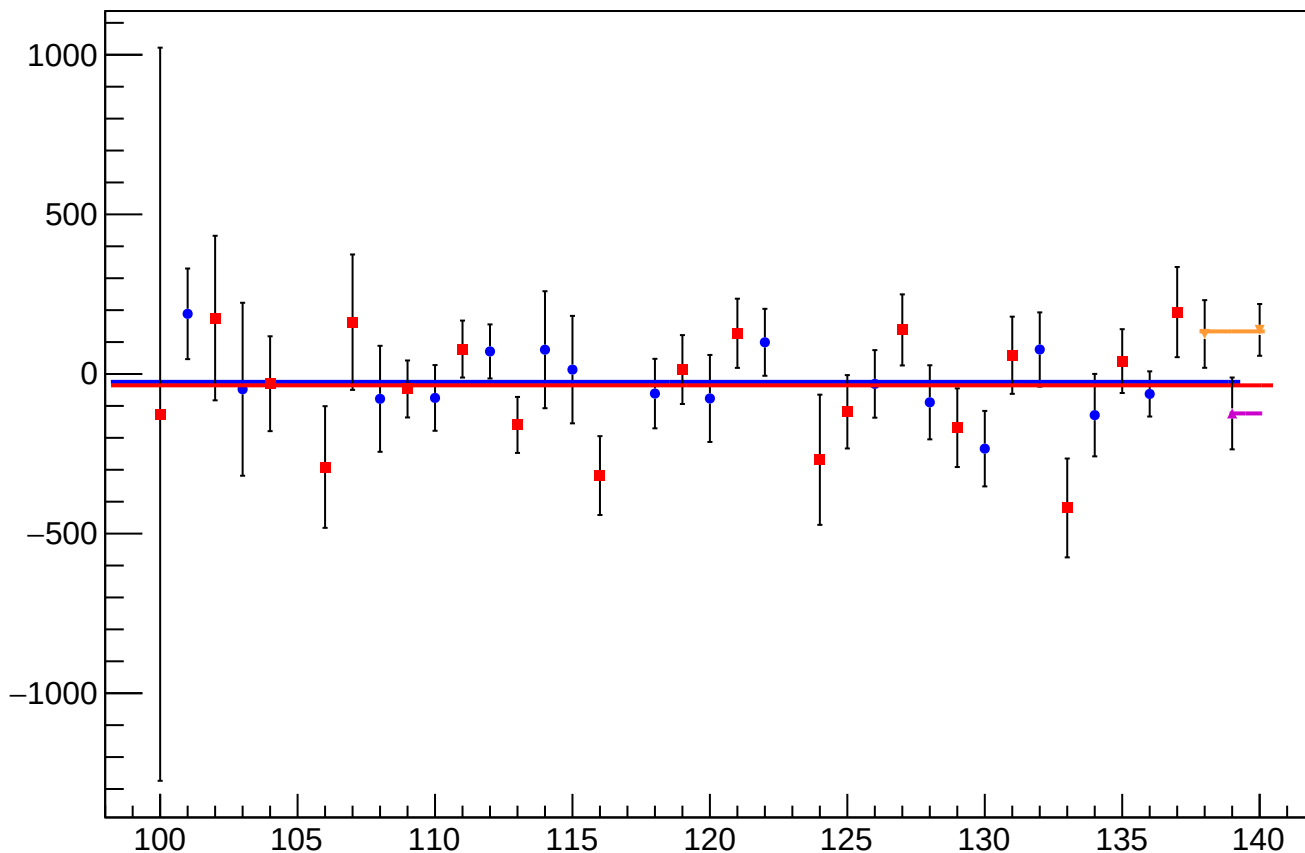
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5211031.6/17

All: 0.000+/-0.000 χ^2/NDF : 10453362.1/37

- sign 0.000+/-0.000 χ^2/NDF : 4185719.0/19

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 133.436 ± 64.409 χ^2/NDF : 0.0/1

Right Out: -35.582 ± 28.454 χ^2/NDF : 30.1/18

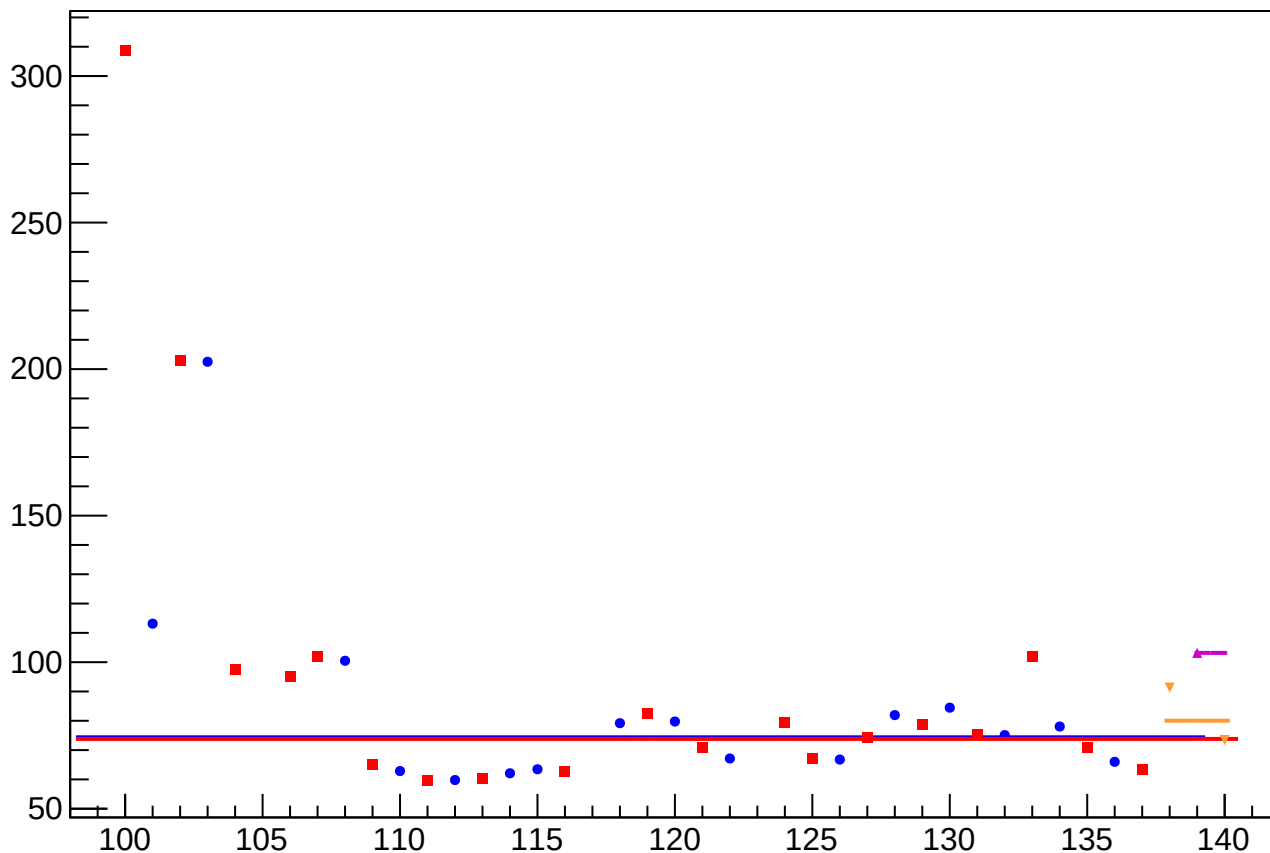
Left In: -123.547 ± 112.527 χ^2/NDF : 0.0/0

+ sign 1.878 ± 26.377 χ^2/NDF : 16.0/17

All: -18.538 ± 19.064 χ^2/NDF : 48.0/37

- sign -40.868 ± 27.586 χ^2/NDF : 30.7/19

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2/NDF : 827583.1/15

Left Out: 80.044 $\pm$ 0.046 χ^2/NDF : 35935.8/1

Right Out: 73.815 $\pm$ 0.020 χ^2/NDF : 931949.0/18

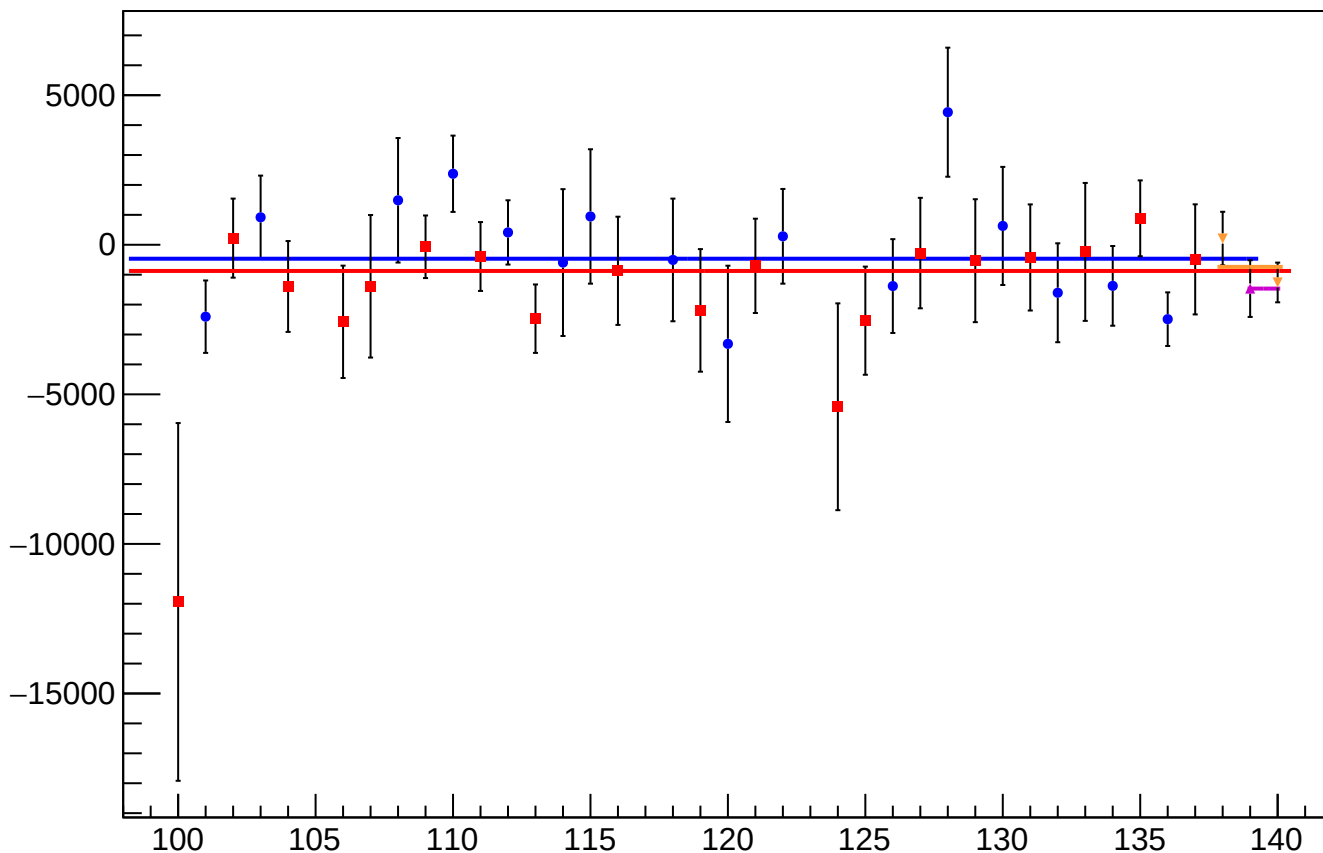
Left In: 103.170 $\pm$ 0.080 χ^2/NDF : 0.0/0

+ sign 75.321 $\pm$ 0.019 χ^2/NDF : 876441.3/17

All: 75.444 $\pm$ 0.013 χ^2/NDF : 1936413.8/37

- sign 75.579 $\pm$ 0.020 χ^2/NDF : 1059880.8/19

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524+/-375.030 χ^2/NDF : 23.7/15

Left Out: -739.355+/-533.117 χ^2/NDF : 1.7/1

Right Out: -875.351+/-372.239 χ^2/NDF : 13.1/18

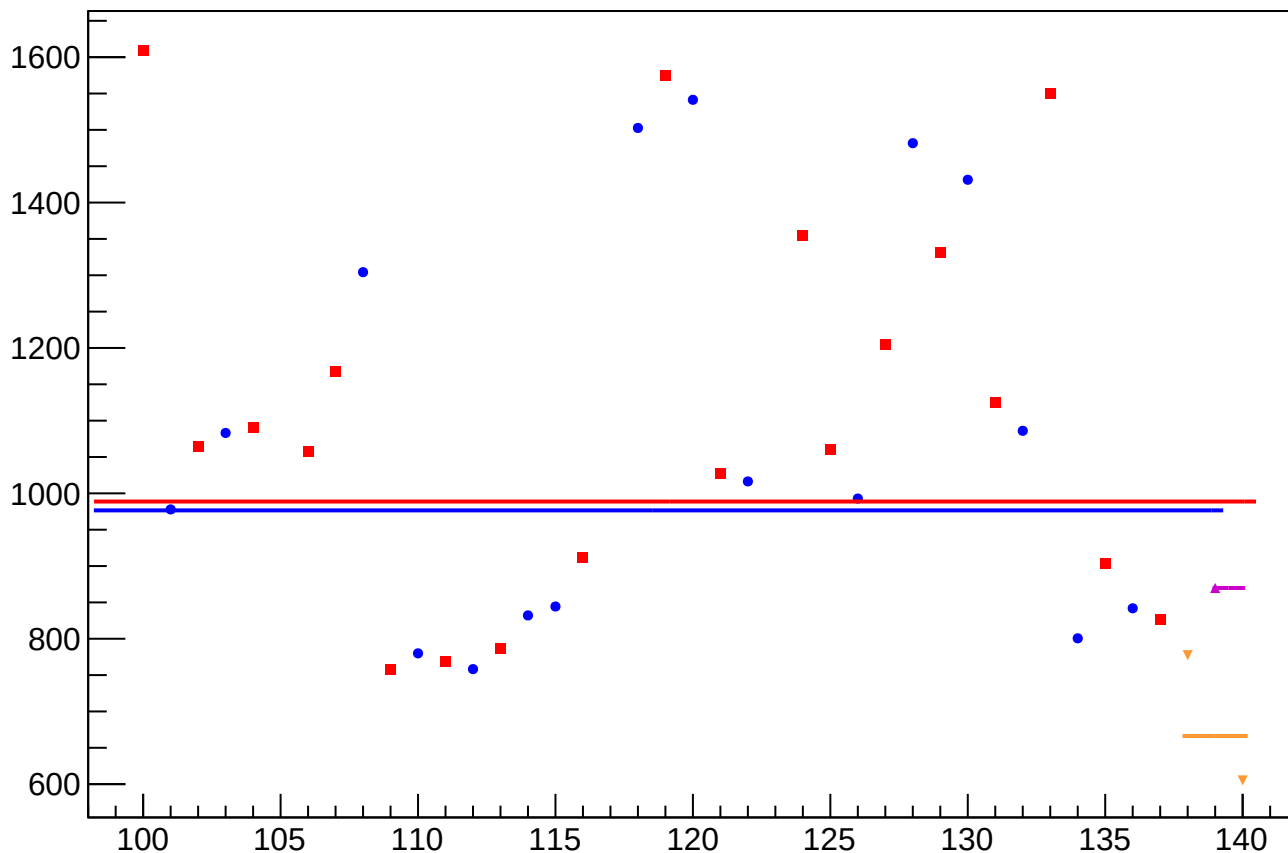
Left In: -1464.868+/-947.862 χ^2/NDF : 0.0/0

+ sign -556.843+/-306.736 χ^2/NDF : 25.6/17

All: -731.400+/-229.667 χ^2/NDF : 39.7/37

- sign -954.120+/-346.479 χ^2/NDF : 13.4/19

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF : 736605.1/15

Left Out: 666.210+/-0.377 χ^2/NDF : 47817.8/1

Right Out: 988.763+/-0.263 χ^2/NDF : 715703.4/18

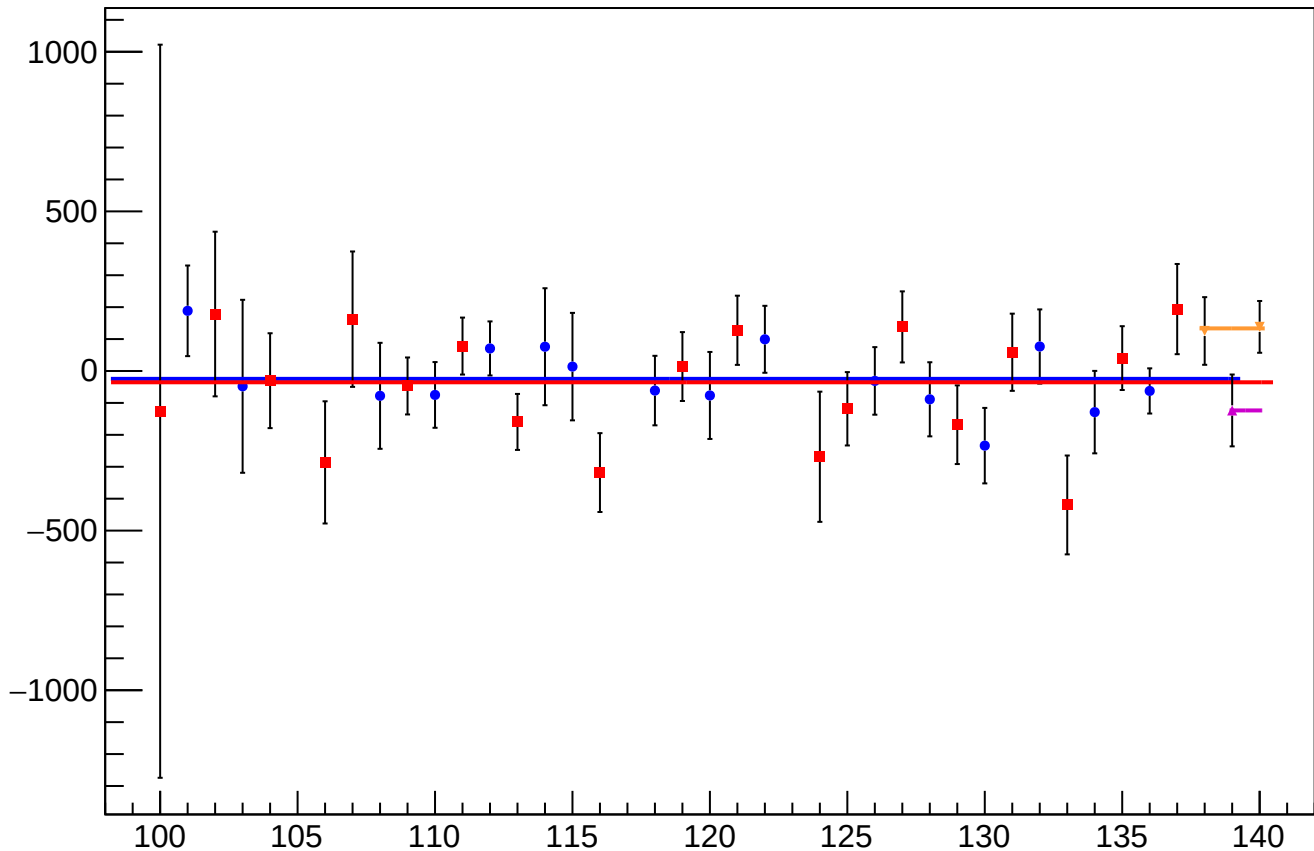
Left In: 869.853+/-0.670 χ^2/NDF : 0.0/0

+ sign 873.836+/-0.217 χ^2/NDF : 1237893.8/17

All: 917.352+/-0.162 χ^2/NDF : 2072479.8/37

- sign 972.875+/-0.245 χ^2/NDF : 742973.4/19

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 133.444 ± 64.409 χ^2/NDF : 0.0/1

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

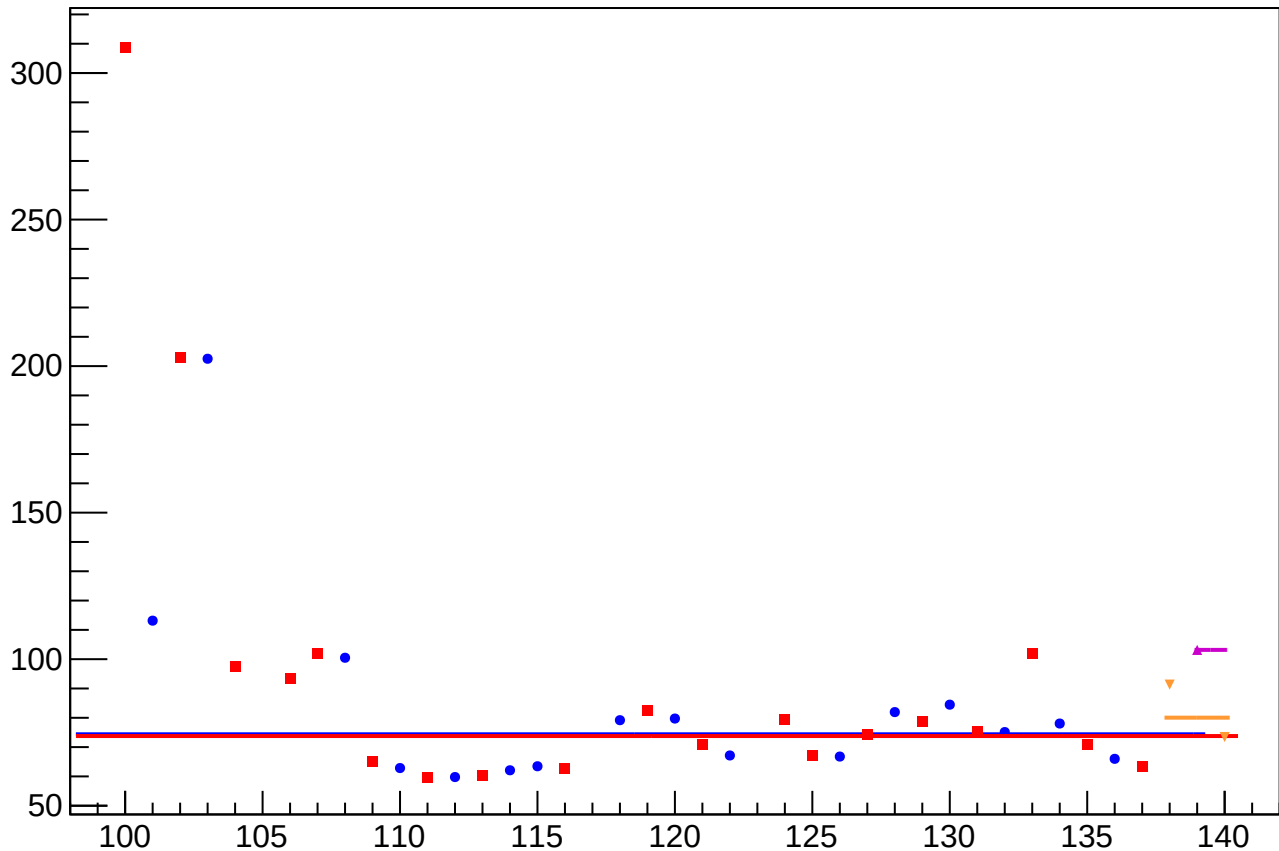
Left In: -123.553 ± 112.527 χ^2/NDF : 0.0/0

+ sign 1.873 ± 26.377 χ^2/NDF : 16.0/17

All: -18.450 ± 19.065 χ^2/NDF : 47.9/37

- sign -40.683 ± 27.589 χ^2/NDF : 30.6/19

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF : 827585.2/15

Left Out: 80.044+/-0.046 χ^2/NDF : 35935.8/1

Right Out: 73.773+/-0.020 χ^2/NDF : 928163.8/18

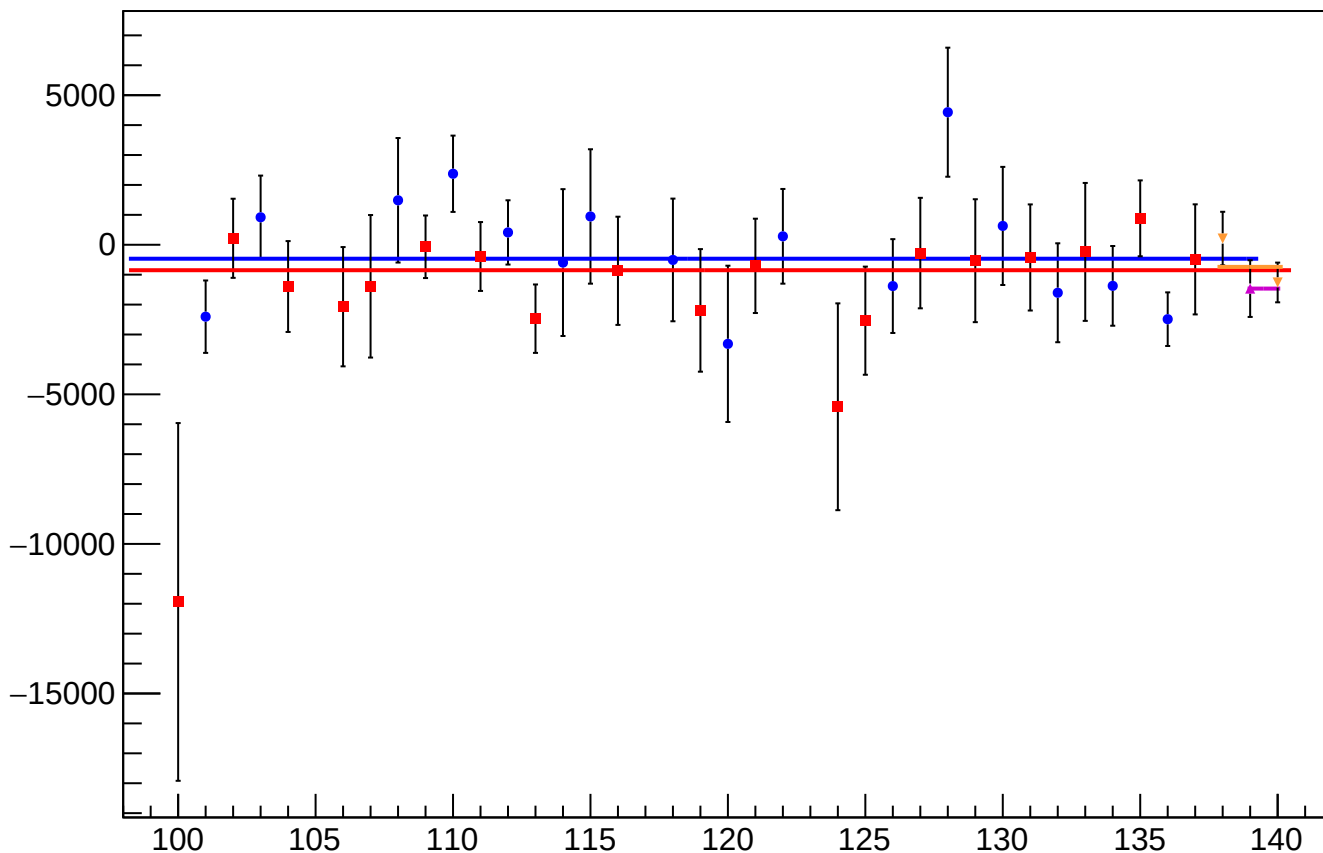
Left In: 103.170+/-0.080 χ^2/NDF : 0.0/0

+ sign 75.321+/-0.019 χ^2/NDF : 876443.4/17

All: 75.426+/-0.013 χ^2/NDF : 1932968.7/37

- sign 75.540+/-0.020 χ^2/NDF : 1056459.2/19

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -466.511+/-375.033 χ^2/NDF : 23.7/15

Left Out: -739.343+/-533.116 χ^2/NDF : 1.7/1

Right Out: -850.757+/-373.092 χ^2/NDF : 12.6/18

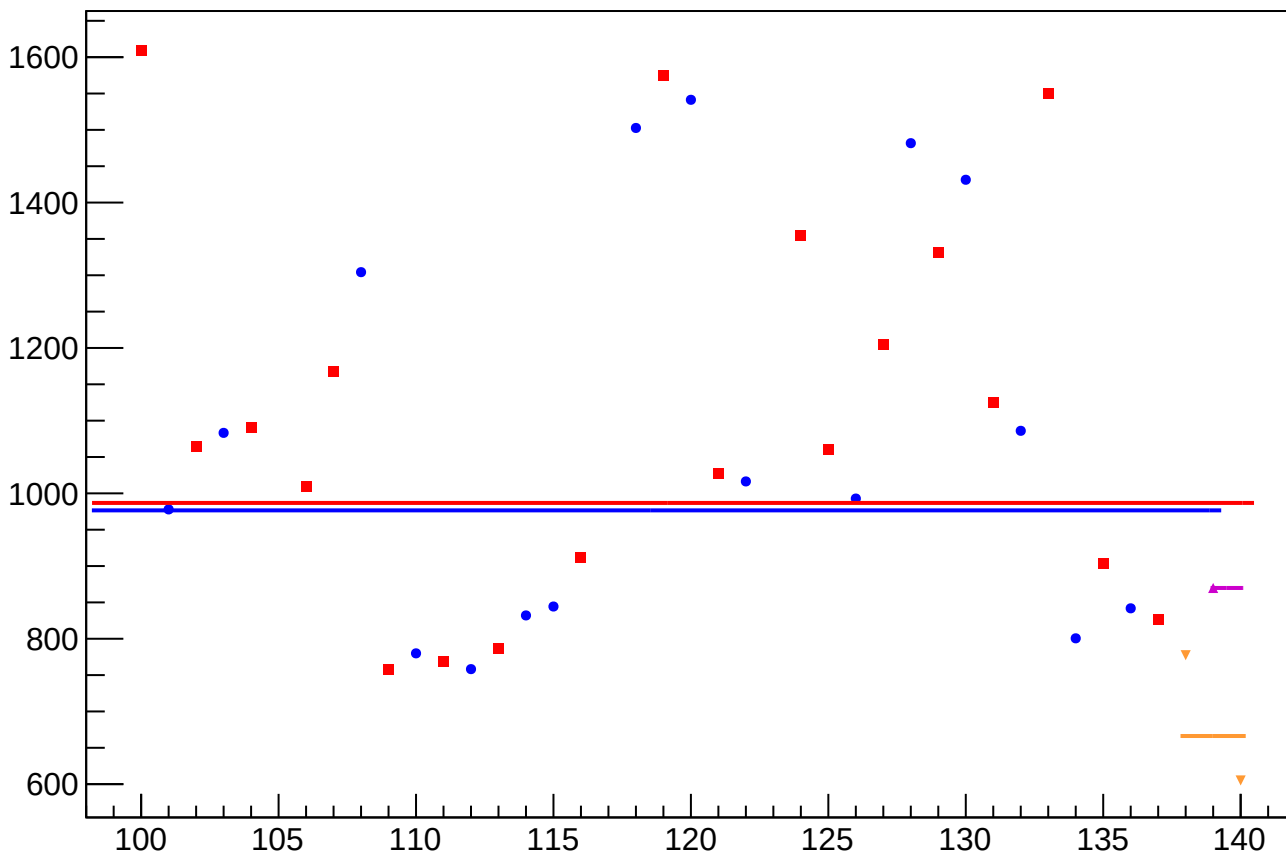
Left In: -1464.878+/-947.862 χ^2/NDF : 0.0/0

+ sign -556.831+/-306.738 χ^2/NDF : 25.6/17

All: -721.808+/-229.867 χ^2/NDF : 39.2/37

- sign -933.140+/-347.167 χ^2/NDF : 12.9/19

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589 $\pm$ 0.265 χ^2 /NDF: 736628.5/15

Left Out: 666.210 $\pm$ 0.377 χ^2 /NDF: 47817.7/1

Right Out: 986.823 $\pm$ 0.264 χ^2 /NDF: 713316.0/18

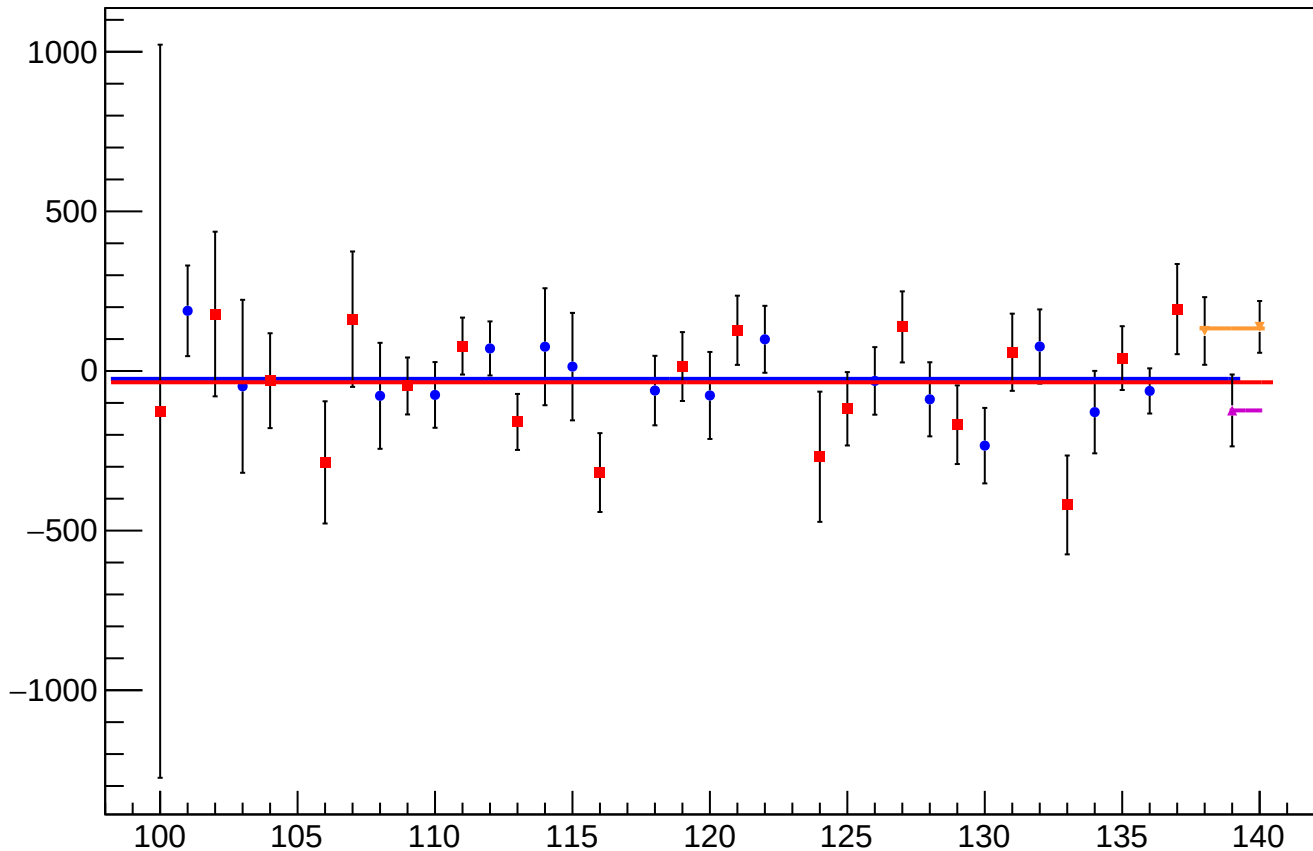
Left In: 869.853 $\pm$ 0.670 χ^2 /NDF: 0.0/0

+ sign 873.838 $\pm$ 0.217 χ^2 /NDF: 1237934.8/17

All: 916.493 $\pm$ 0.163 χ^2 /NDF: 2065837.4/37

- sign 971.132 $\pm$ 0.245 χ^2 /NDF: 739687.6/19

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 133.444 ± 64.409 χ^2/NDF : 0.0/1

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

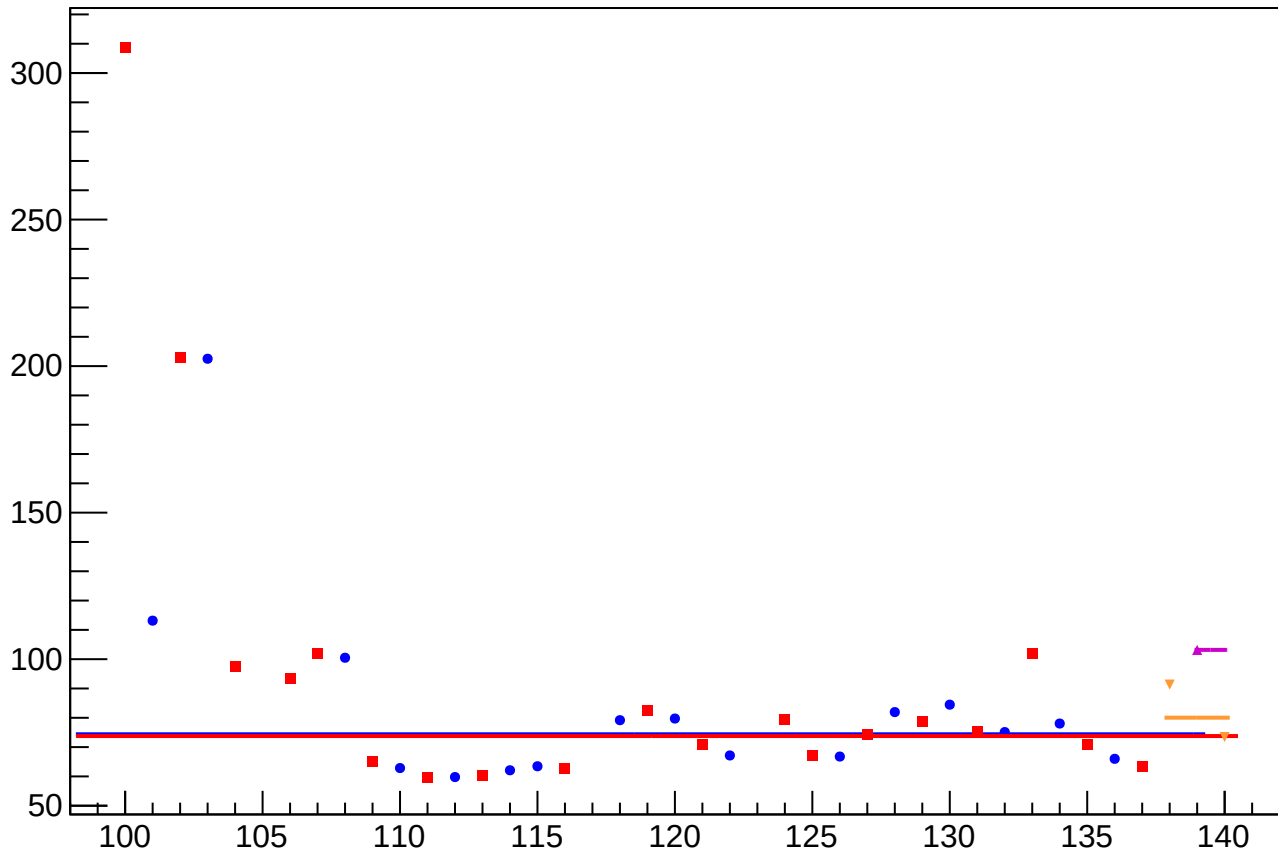
Left In: -123.553 ± 112.527 χ^2/NDF : 0.0/0

+ sign 1.873 ± 26.377 χ^2/NDF : 16.0/17

All: -18.450 ± 19.065 χ^2/NDF : 47.9/37

- sign -40.683 ± 27.589 χ^2/NDF : 30.6/19

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827585.2/15

Left Out: 80.044 $\pm$ 0.046 χ^2 /NDF: 35935.8/1

Right Out: 73.773 $\pm$ 0.020 χ^2 /NDF: 928163.8/18

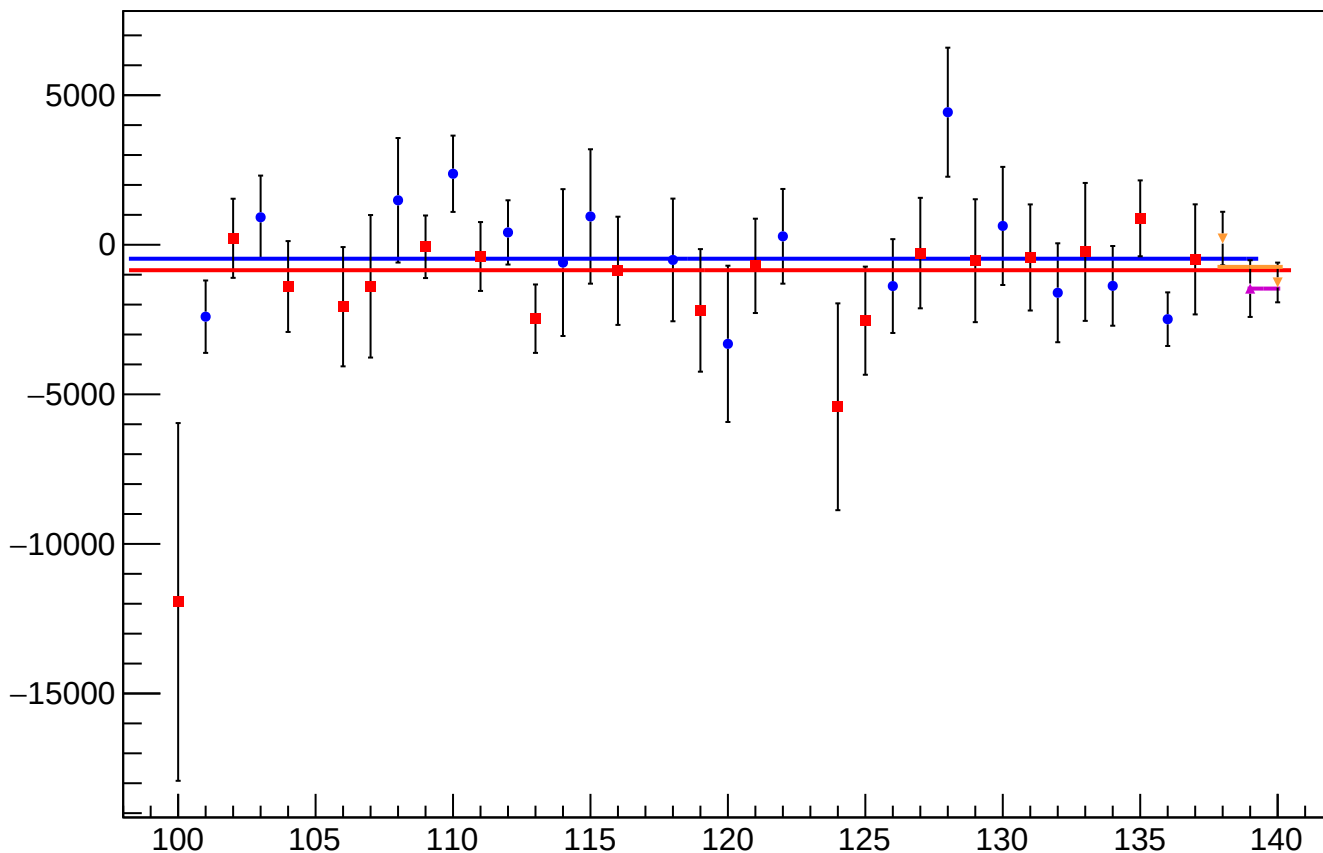
Left In: 103.170 $\pm$ 0.080 χ^2 /NDF: 0.0/0

+ sign 75.321 $\pm$ 0.019 χ^2 /NDF: 876443.4/17

All: 75.426 $\pm$ 0.013 χ^2 /NDF: 1932968.7/37

- sign 75.540 $\pm$ 0.020 χ^2 /NDF: 1056459.2/19

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -466.511+/-375.033 χ^2/NDF : 23.7/15

Left Out: -739.343+/-533.116 χ^2/NDF : 1.7/1

Right Out: -850.757+/-373.092 χ^2/NDF : 12.6/18

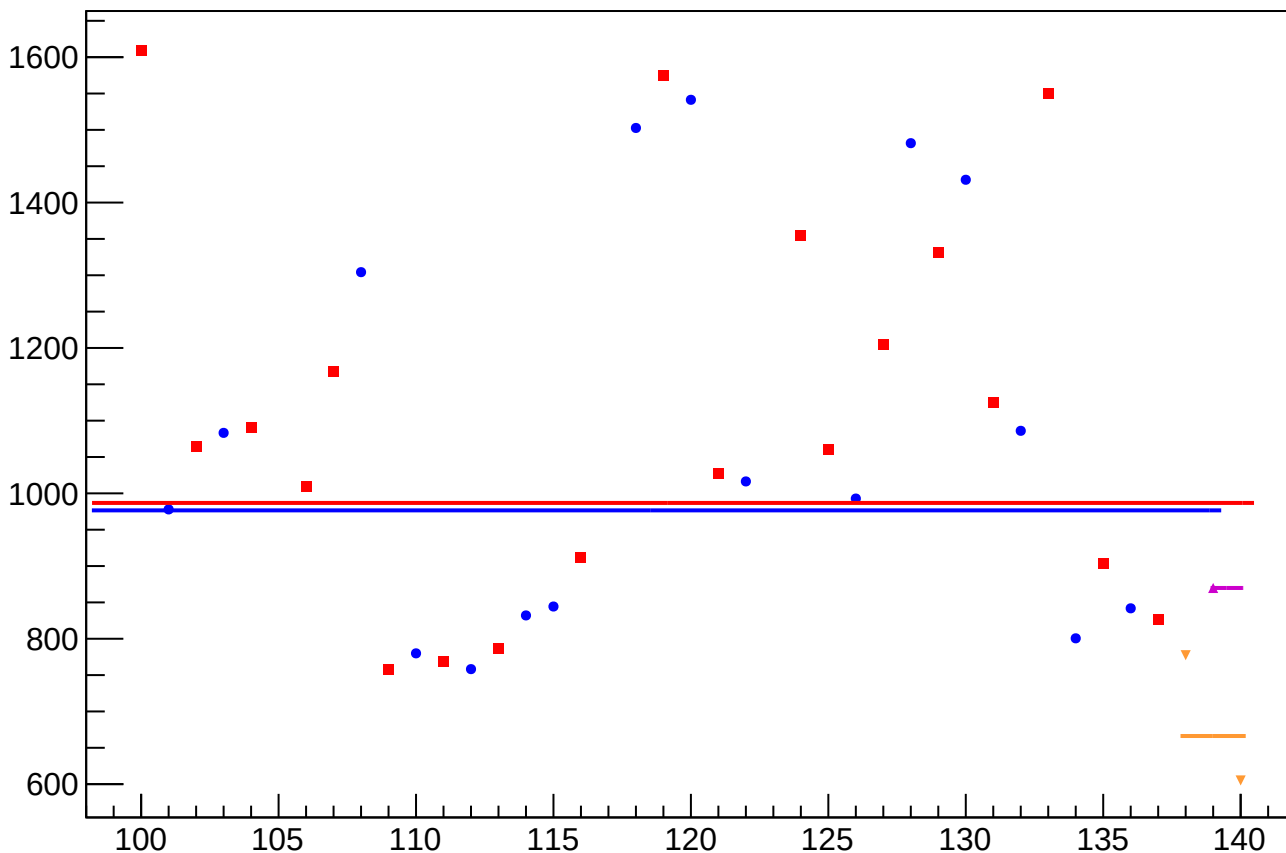
Left In: -1464.878+/-947.862 χ^2/NDF : 0.0/0

+ sign -556.831+/-306.738 χ^2/NDF : 25.6/17

All: -721.808+/-229.867 χ^2/NDF : 39.2/37

- sign -933.140+/-347.167 χ^2/NDF : 12.9/19

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589 $\pm$ 0.265 χ^2 /NDF: 736628.5/15

Left Out: 666.210 $\pm$ 0.377 χ^2 /NDF: 47817.7/1

Right Out: 986.823 $\pm$ 0.264 χ^2 /NDF: 713316.0/18

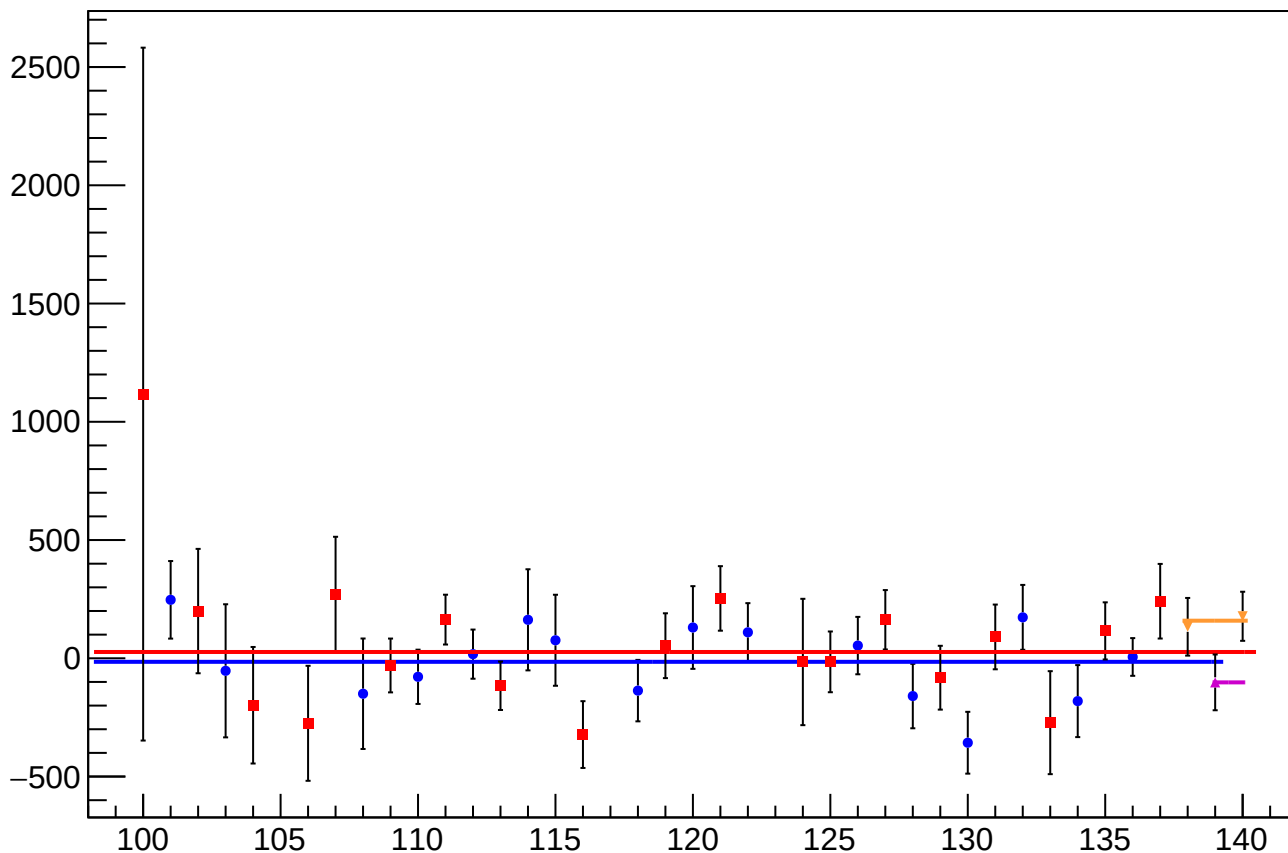
Left In: 869.853 $\pm$ 0.670 χ^2 /NDF: 0.0/0

+ sign 873.838 $\pm$ 0.217 χ^2 /NDF: 1237934.8/17

All: 916.493 $\pm$ 0.163 χ^2 /NDF: 2065837.4/37

- sign 971.132 $\pm$ 0.245 χ^2 /NDF: 739687.6/19

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 158.969 ± 79.030 χ^2/NDF : 0.1/1

Right Out: 26.654 ± 34.073 χ^2/NDF : 23.6/18

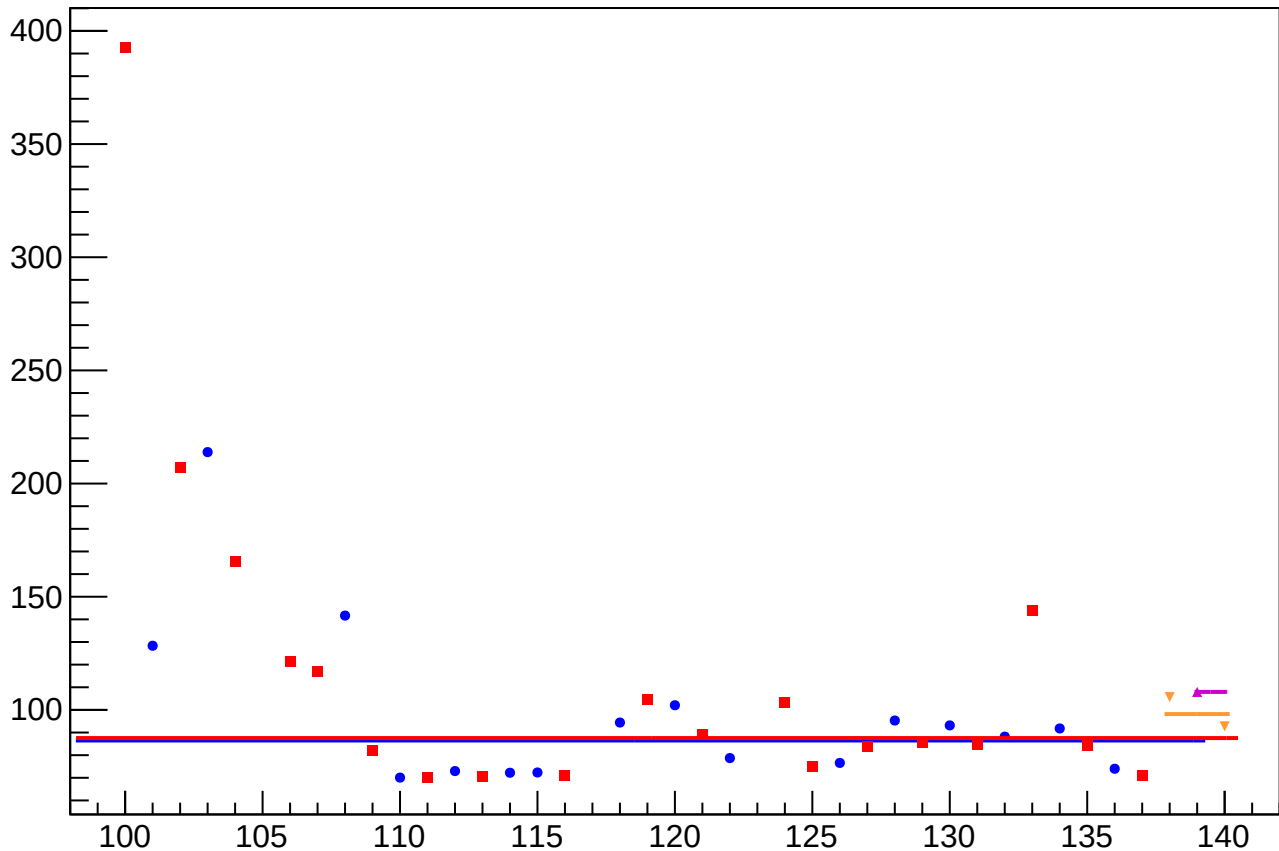
Left In: -101.865 ± 117.904 χ^2/NDF : 0.0/0

+ sign 11.888 ± 31.047 χ^2/NDF : 22.4/17

All: 14.190 ± 22.526 χ^2/NDF : 47.1/37

- sign 16.749 ± 32.733 χ^2/NDF : 24.7/19

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF : 856257.9/15

Left Out: 98.160+/-0.056 χ^2/NDF :13003.1/1

Right Out: 87.555+/-0.024 χ^2/NDF : 1129794.0/18

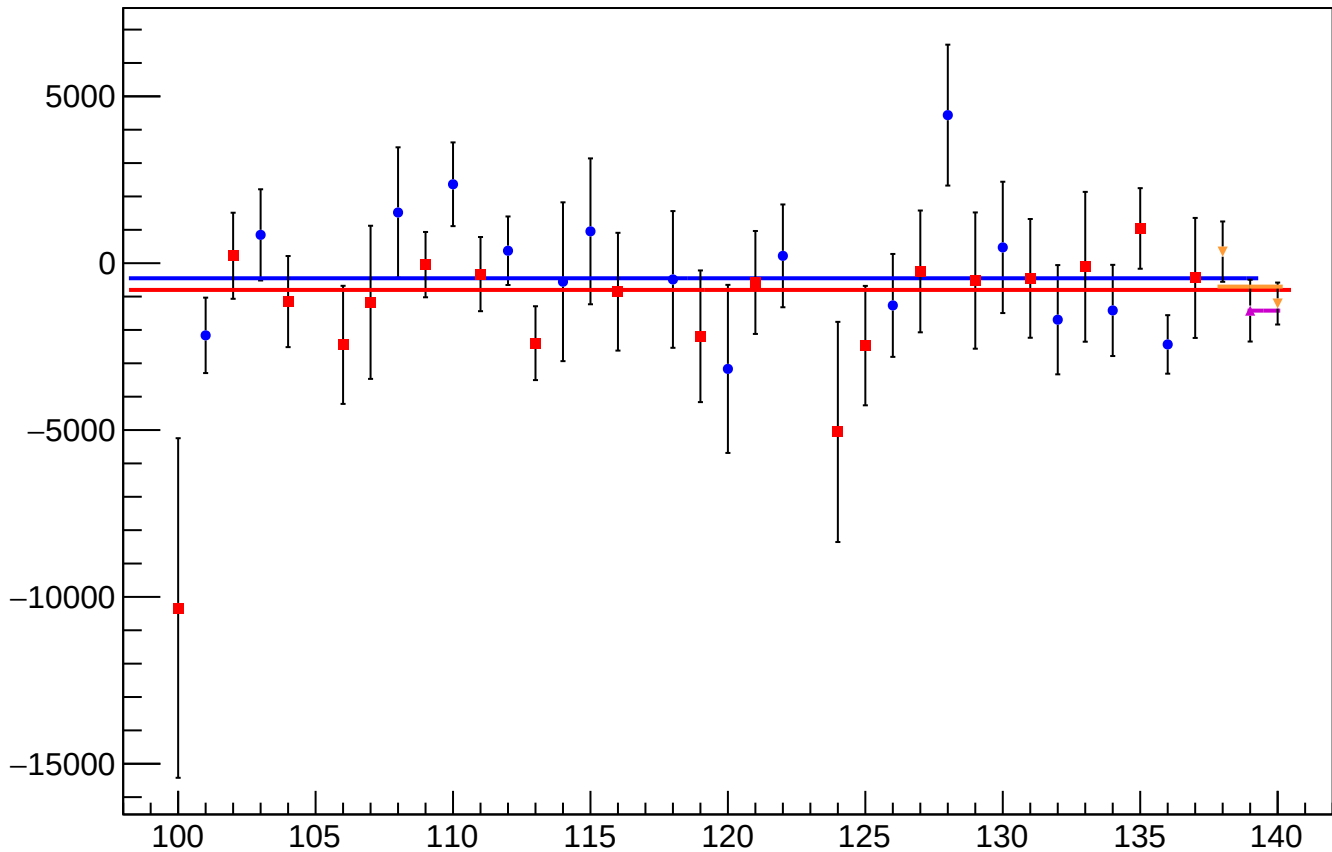
Left In: 107.949+/-0.083 χ^2/NDF :0.0/0

+ sign 88.290+/-0.022 χ^2/NDF : 906145.8/17

All: 88.686+/-0.016 χ^2/NDF : 2091853.0/37

- sign 89.126+/-0.023 χ^2/NDF : 1185019.9/19

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380+/-365.605 χ^2/NDF : 23.7/15

Left Out: -701.723+/-516.106 χ^2/NDF : 2.0/1

Right Out: -801.206+/-357.866 χ^2/NDF : 13.6/18

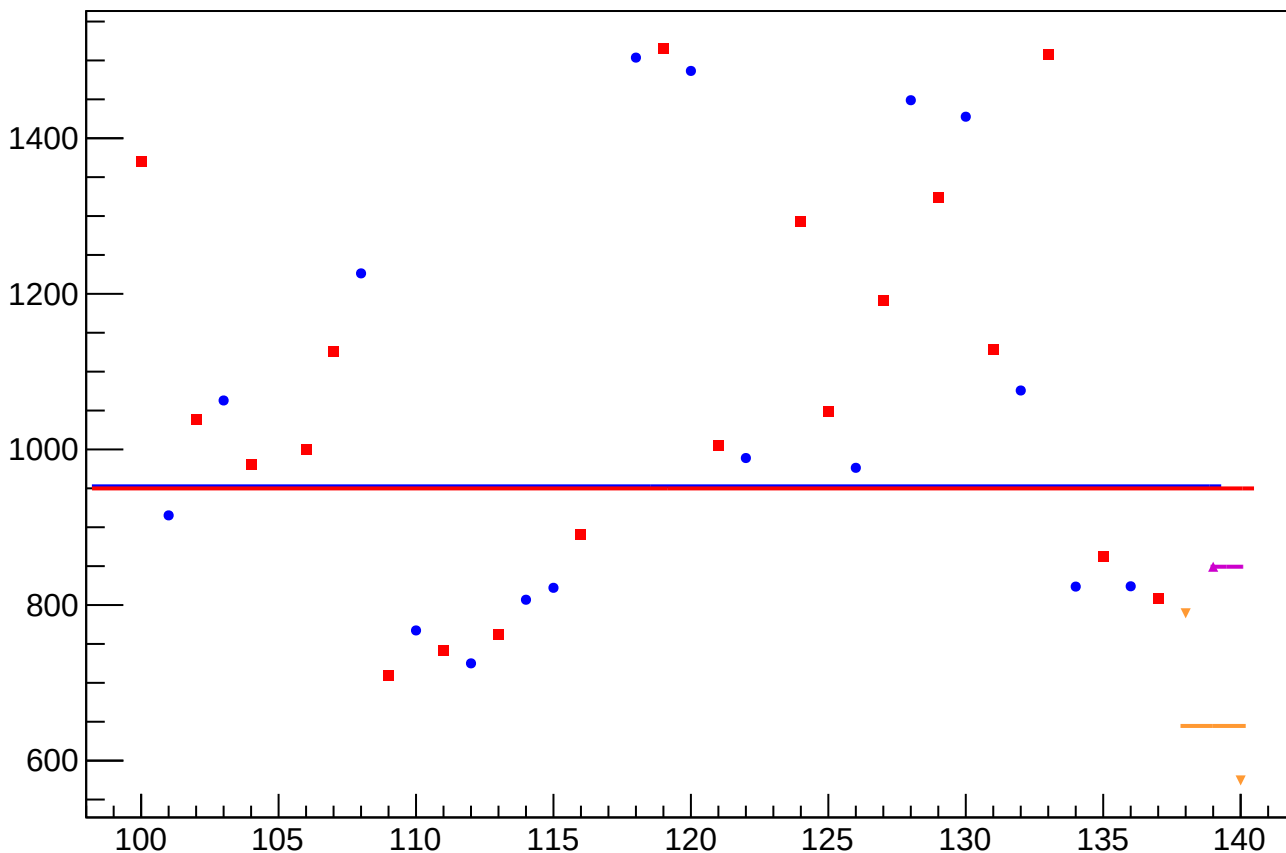
Left In: -1421.455+/-926.384 χ^2/NDF : 0.0/0

+ sign -535.030+/-298.335 χ^2/NDF : 25.9/17

All: -688.985+/-222.447 χ^2/NDF : 40.5/37

- sign -881.747+/-333.823 χ^2/NDF : 14.0/19

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551 $\pm$ 0.259 χ^2 /NDF: 746346.9/15

Left Out: 644.585 $\pm$ 0.365 χ^2 /NDF: 76156.9/1

Right Out: 949.891 $\pm$ 0.253 χ^2 /NDF: 751675.2/18

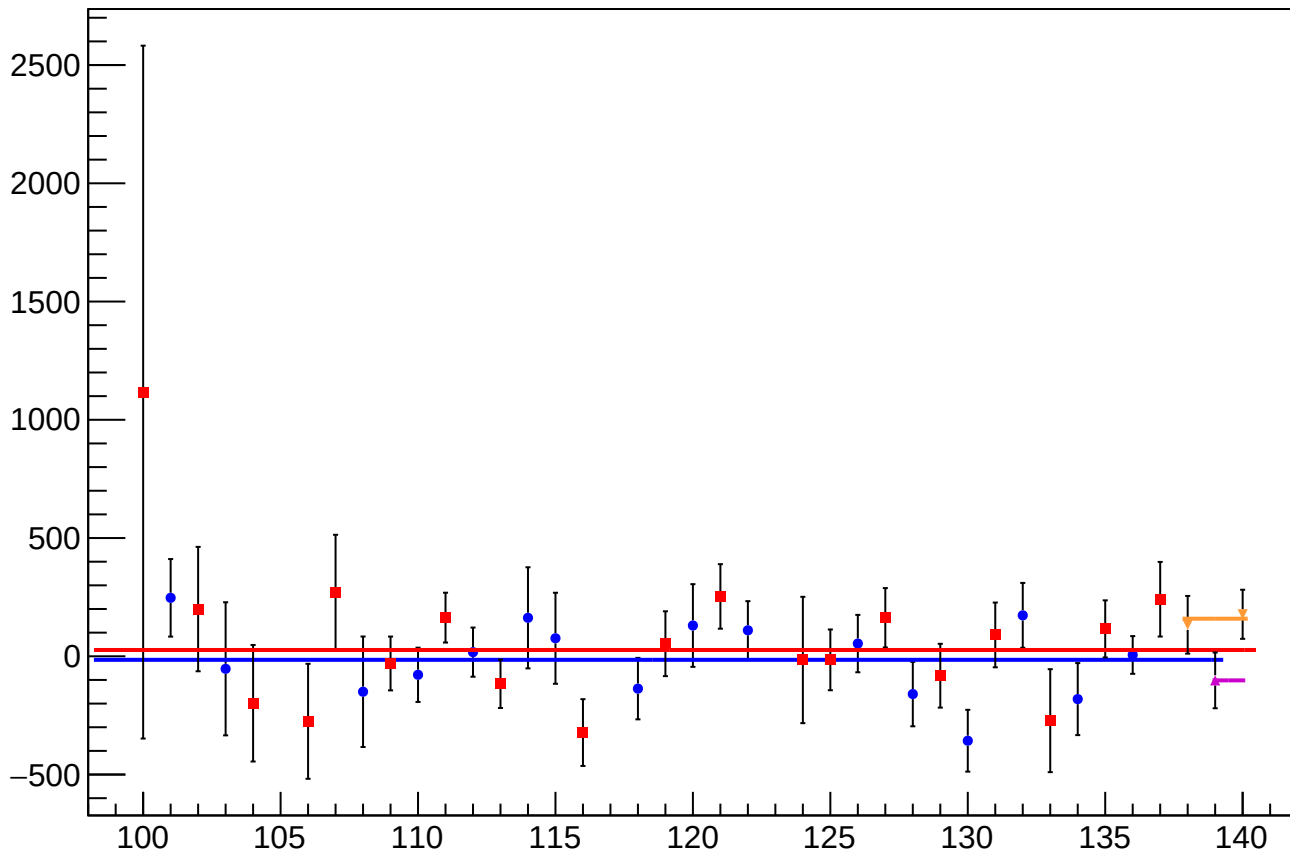
Left In: 849.257 $\pm$ 0.655 χ^2 /NDF: 0.0/0

+ sign 849.647 $\pm$ 0.211 χ^2 /NDF: 1296679.1/17

All: 888.357 $\pm$ 0.157 χ^2 /NDF: 2144721.5/37

- sign 936.824 $\pm$ 0.236 χ^2 /NDF: 772211.9/19

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2 /NDF: 18.3/15

Left Out: 158.968+/-79.030 χ^2/NDF :0.1/1

Right Out: 26.658 ± 34.073 χ^2/NDF : 23.6/18

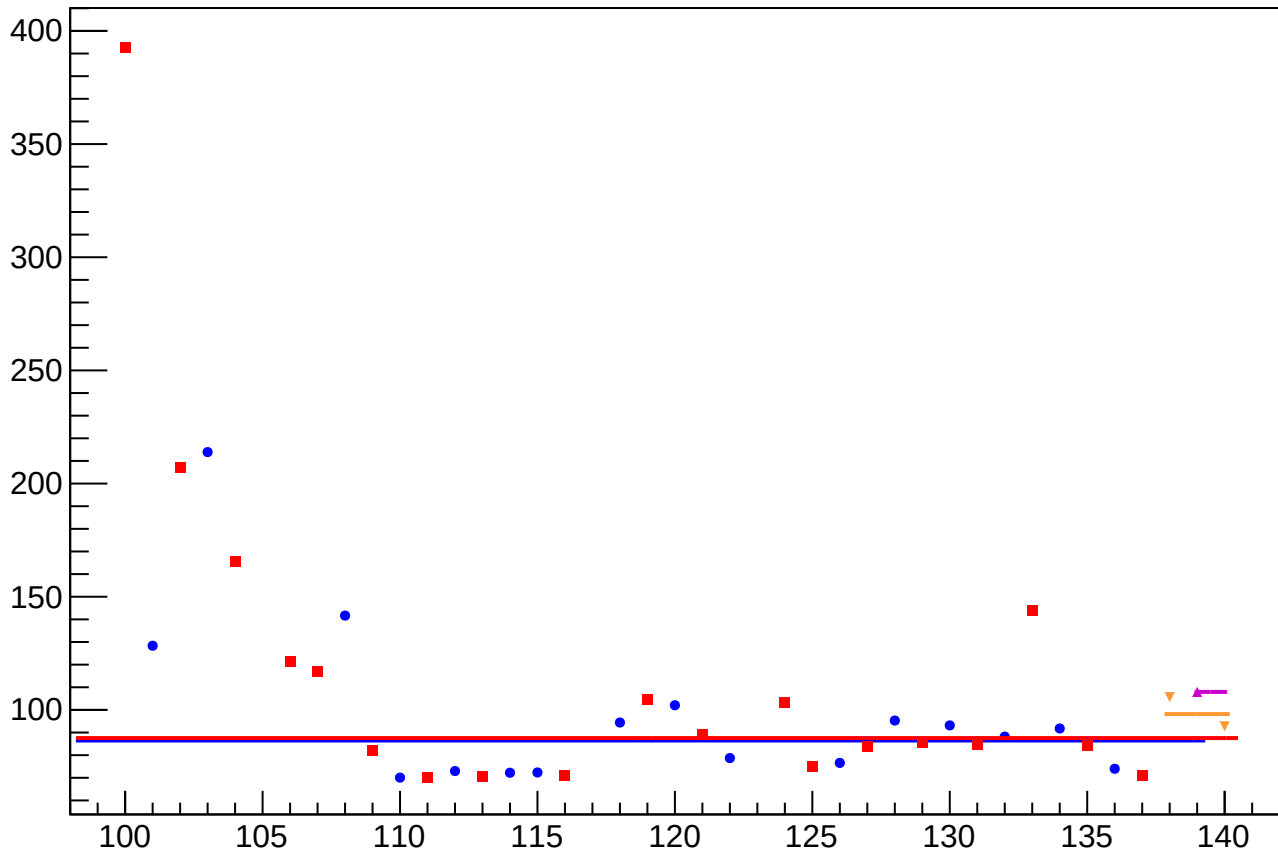
Left In: -101.868+/-117.904 χ^2 /NDF:0.0/0

+ sign 11.887+/-31.047 χ^2/NDF : 22.4/17

All: 14.191 ± 22.526 χ^2/NDF : 47.1/37

- sign 16.751+/-32.734 χ^2/NDF : 24.7/19

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489 $\pm$ 0.024 χ^2 /NDF: 856249.6/15

Left Out: 98.160 $\pm$ 0.056 χ^2 /NDF:13002.6/1

Right Out: 87.555 $\pm$ 0.024 χ^2 /NDF: 1129791.7/18

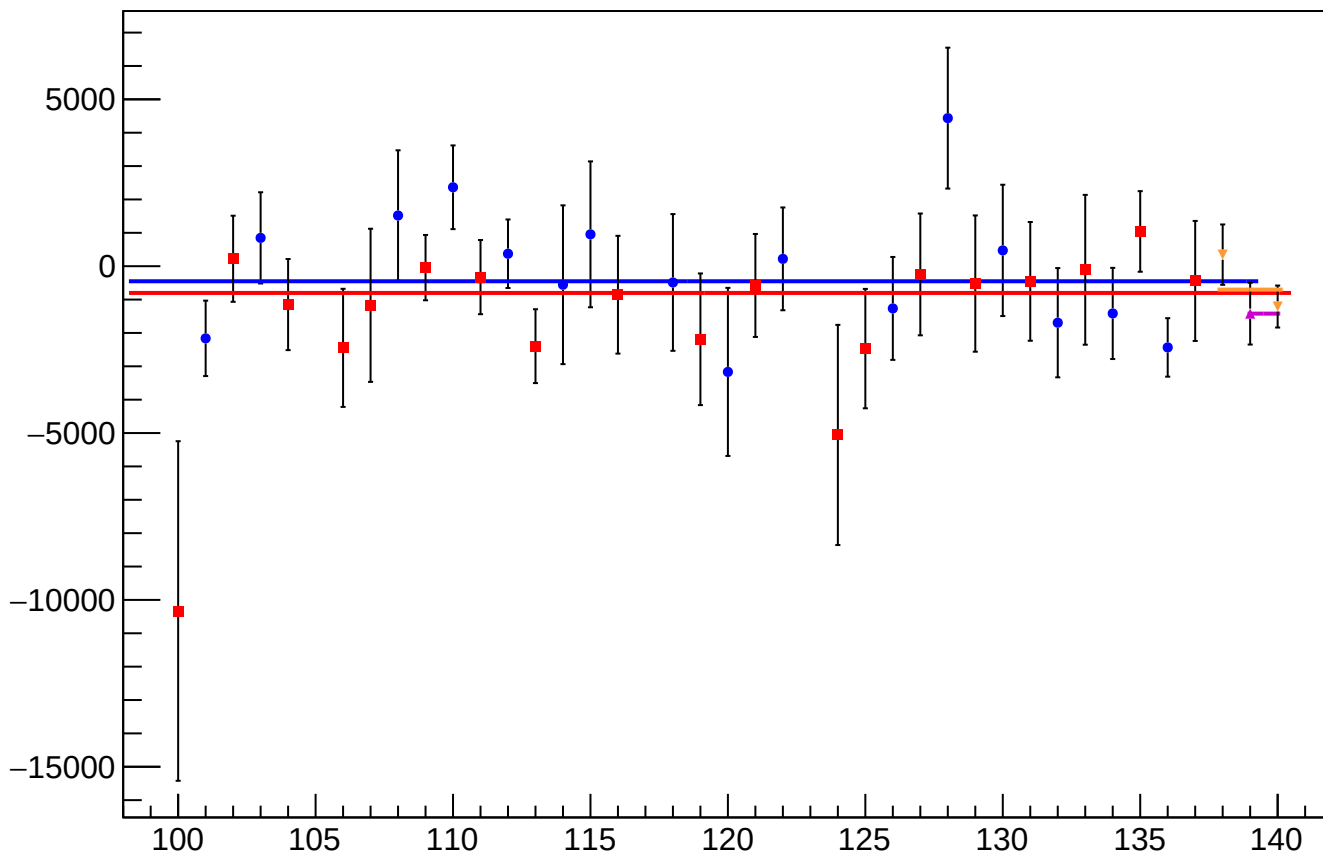
Left In: 107.949 $\pm$ 0.083 χ^2 /NDF:0.0/0

+ sign 88.290 $\pm$ 0.022 χ^2 /NDF: 906135.9/17

All: 88.687 $\pm$ 0.016 χ^2 /NDF: 2091838.3/37

- sign 89.127 $\pm$ 0.023 χ^2 /NDF: 1185014.9/19

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -451.378+/-365.605 χ^2/NDF : 23.7/15

Left Out: -701.725+/-516.106 χ^2/NDF : 2.0/1

Right Out: -801.205+/-357.865 χ^2/NDF : 13.6/18

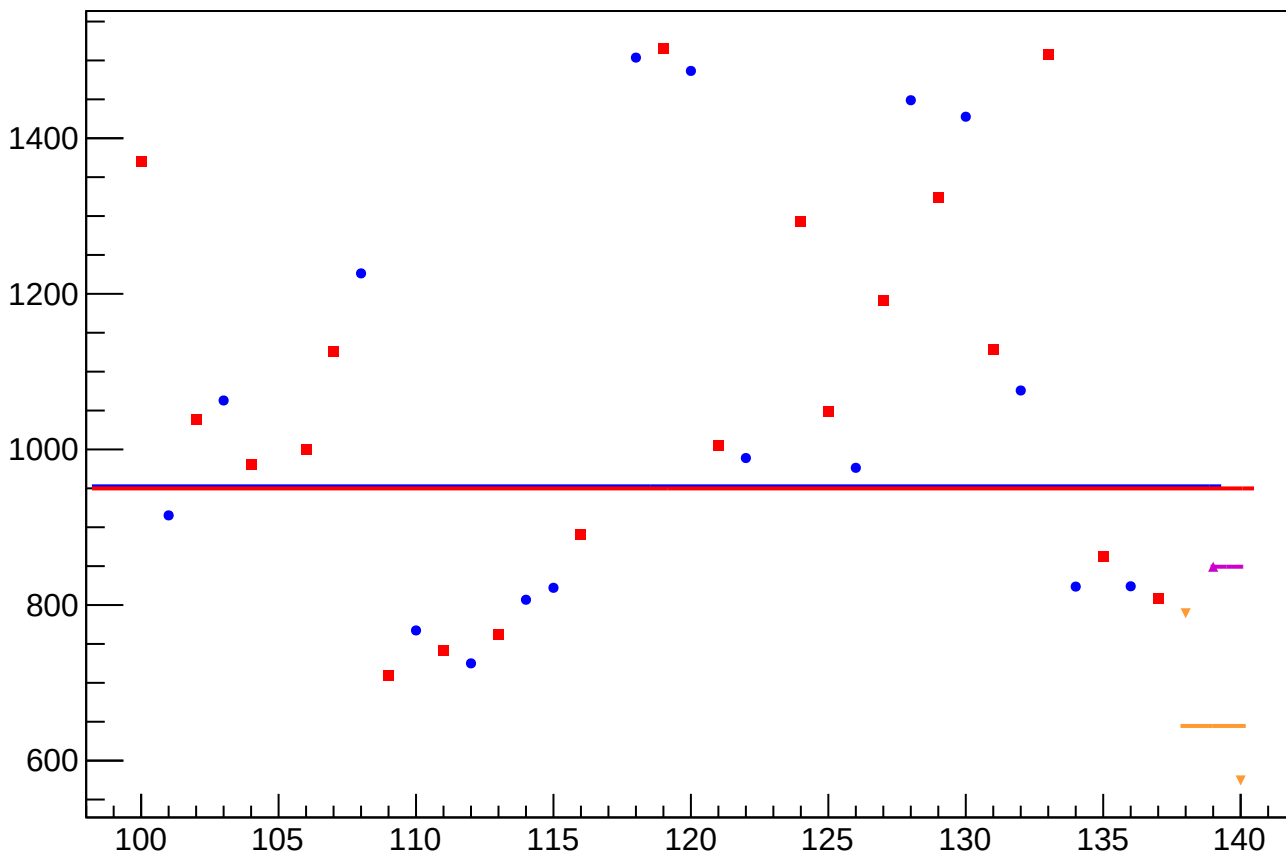
Left In: -1421.455+/-926.385 χ^2/NDF : 0.0/0

+ sign -535.029+/-298.334 χ^2/NDF : 25.9/17

All: -688.984+/-222.447 χ^2/NDF : 40.5/37

- sign -881.746+/-333.823 χ^2/NDF : 14.0/19

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549 $\pm$ 0.259 χ^2 /NDF: 746349.8/15

Left Out: 644.585 $\pm$ 0.365 χ^2 /NDF: 76157.8/1

Right Out: 949.890 $\pm$ 0.253 χ^2 /NDF: 751674.5/18

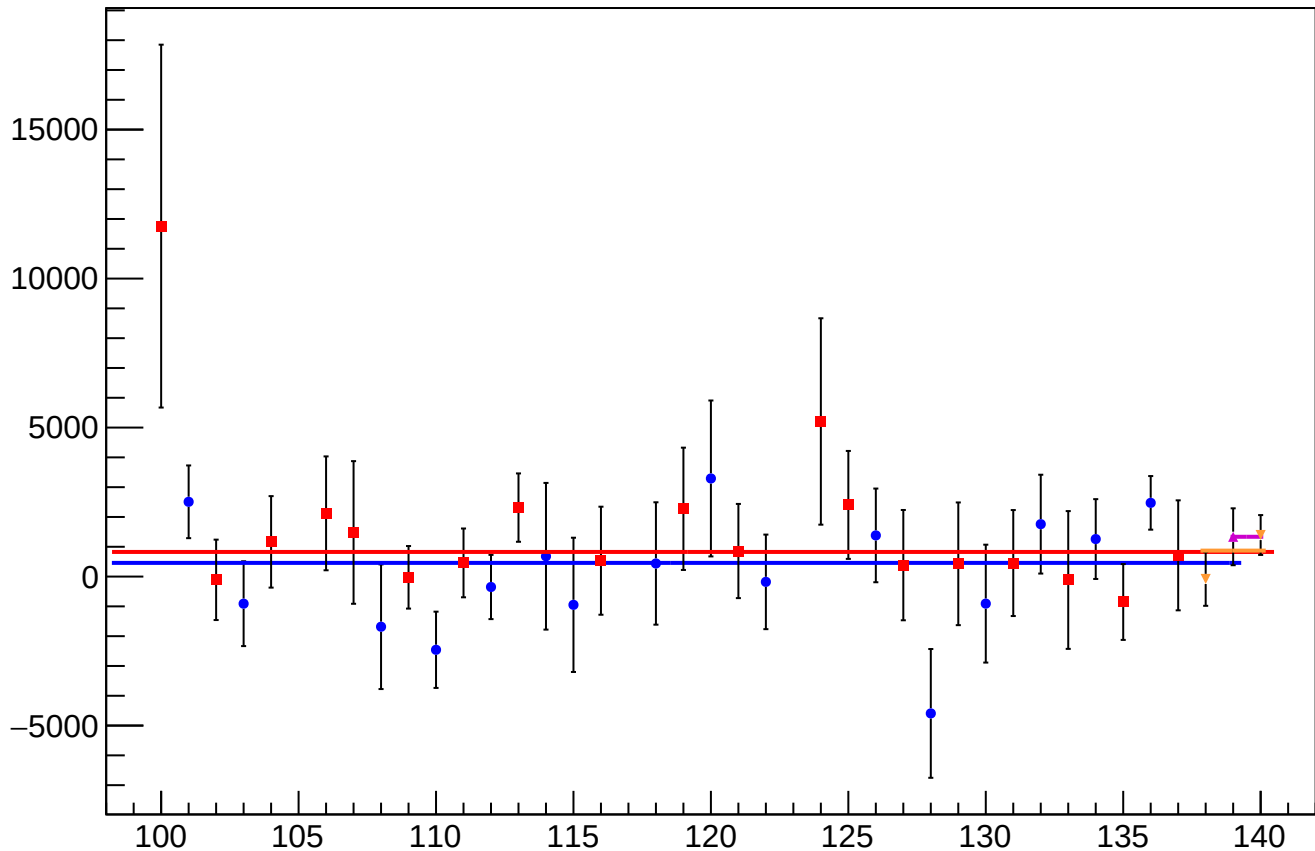
Left In: 849.258 $\pm$ 0.655 χ^2 /NDF: 0.0/0

+ sign 849.646 $\pm$ 0.211 χ^2 /NDF: 1296678.6/17

All: 888.356 $\pm$ 0.157 χ^2 /NDF: 2144719.1/37

- sign 936.822 $\pm$ 0.236 χ^2 /NDF: 772210.3/19

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF : 24.6/15

Left Out: 871.033+/-537.093 χ^2/NDF : 1.7/1

Right Out: 826.531+/-374.244 χ^2/NDF : 11.7/18

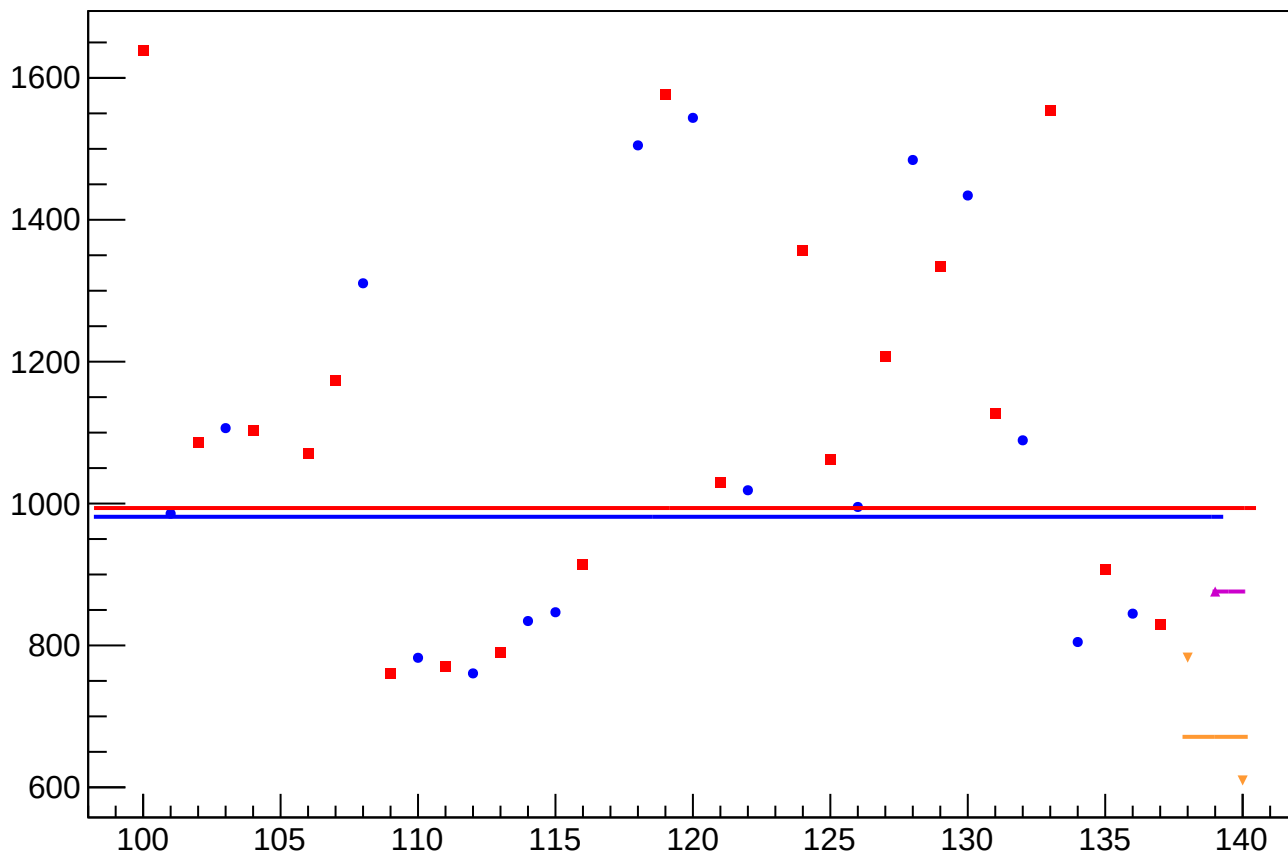
Left In: 1335.632+/-954.563 χ^2/NDF : 0.0/0

+ sign 595.032+/-308.501 χ^2/NDF : 26.7/17

All: 726.572+/-230.974 χ^2/NDF : 39.0/37

- sign 894.359+/-348.423 χ^2/NDF : 11.9/19

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF : 737627.4/15

Left Out: 671.156+/-0.380 χ^2/NDF : 47606.8/1

Right Out: 993.684+/-0.265 χ^2/NDF : 719799.0/18

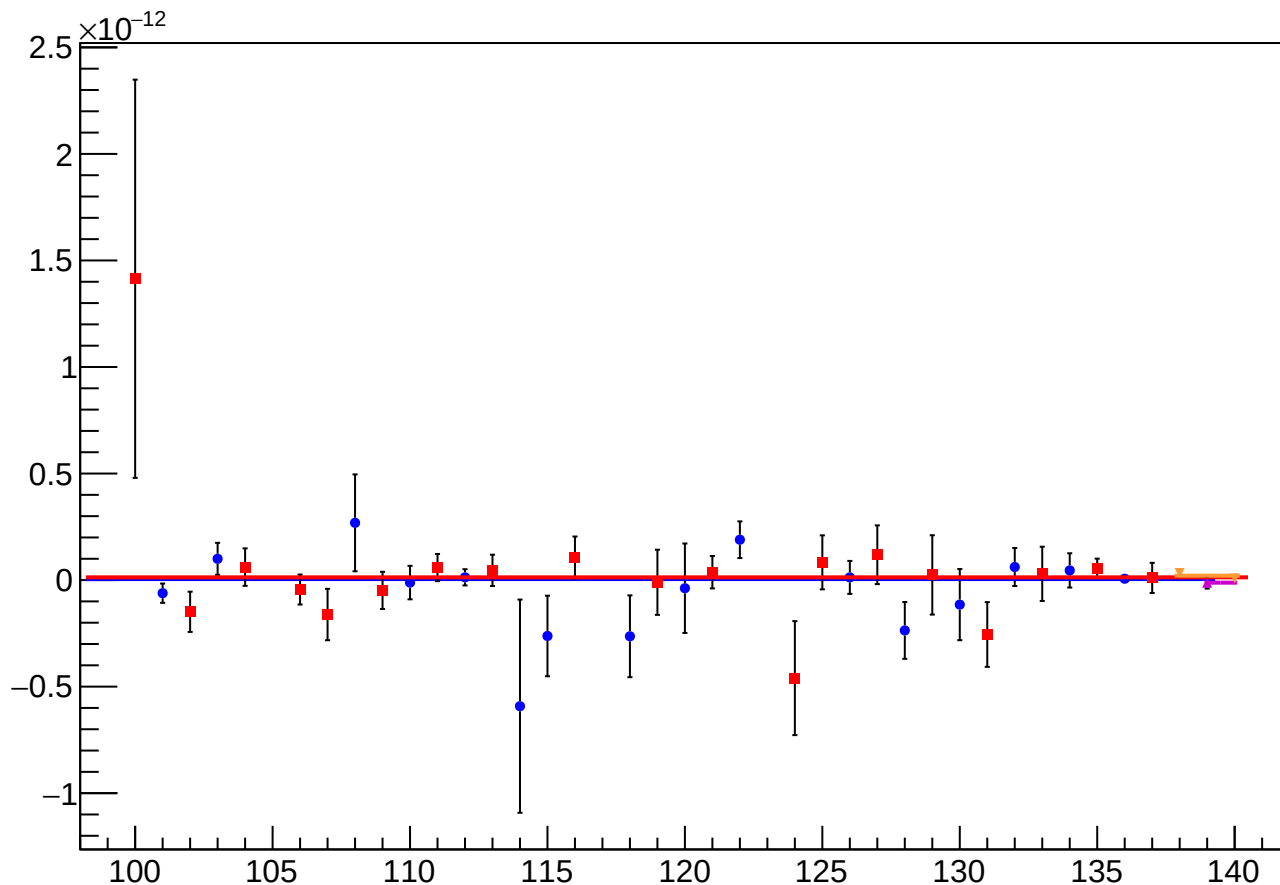
Left In: 876.001+/-0.675 χ^2/NDF : 0.0/0

+ sign 879.009+/-0.218 χ^2/NDF : 1232245.1/17

All: 922.513+/-0.163 χ^2/NDF : 2068896.8/37

- sign 978.005+/-0.246 χ^2/NDF : 746147.1/19

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

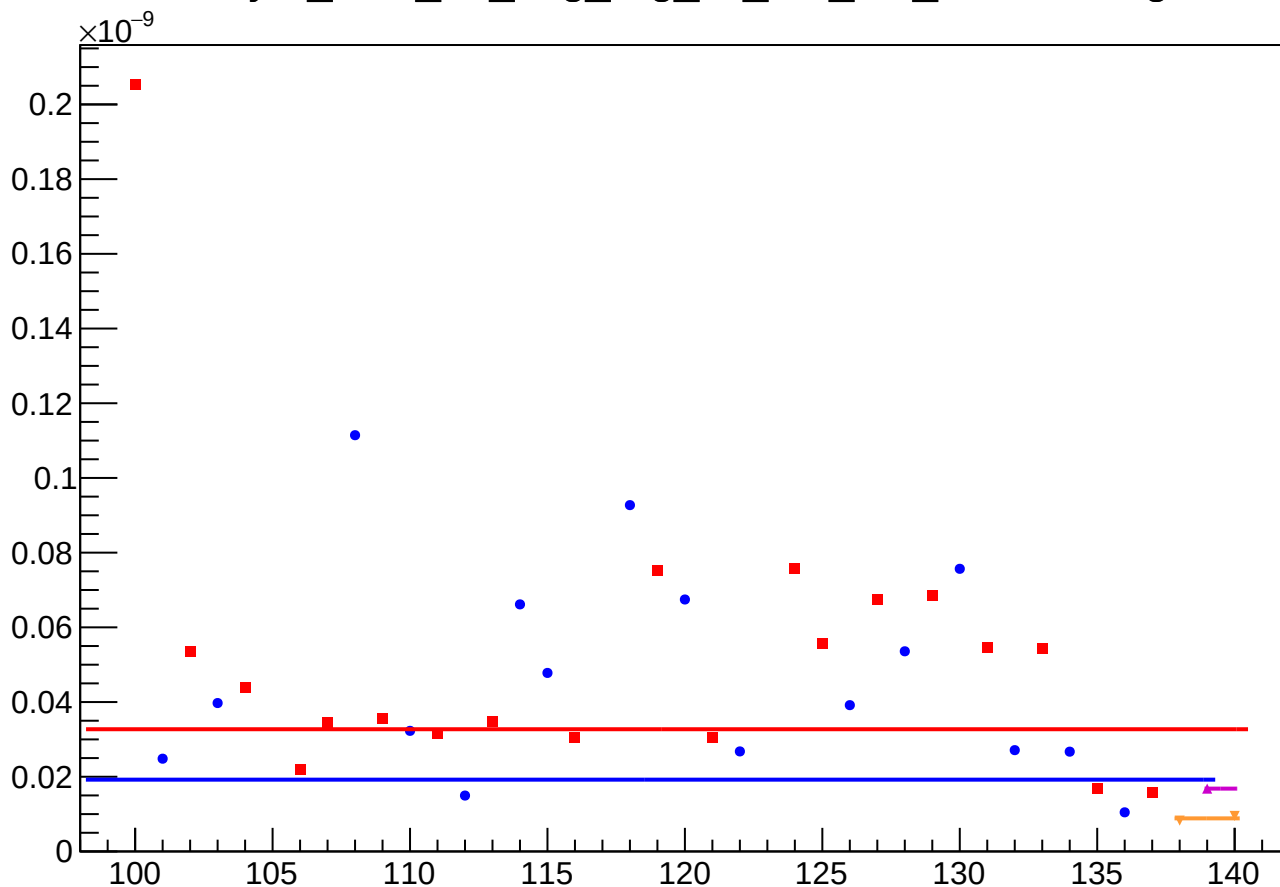
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.5/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/19

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1977908.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 4856.8/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 1181327.3/18

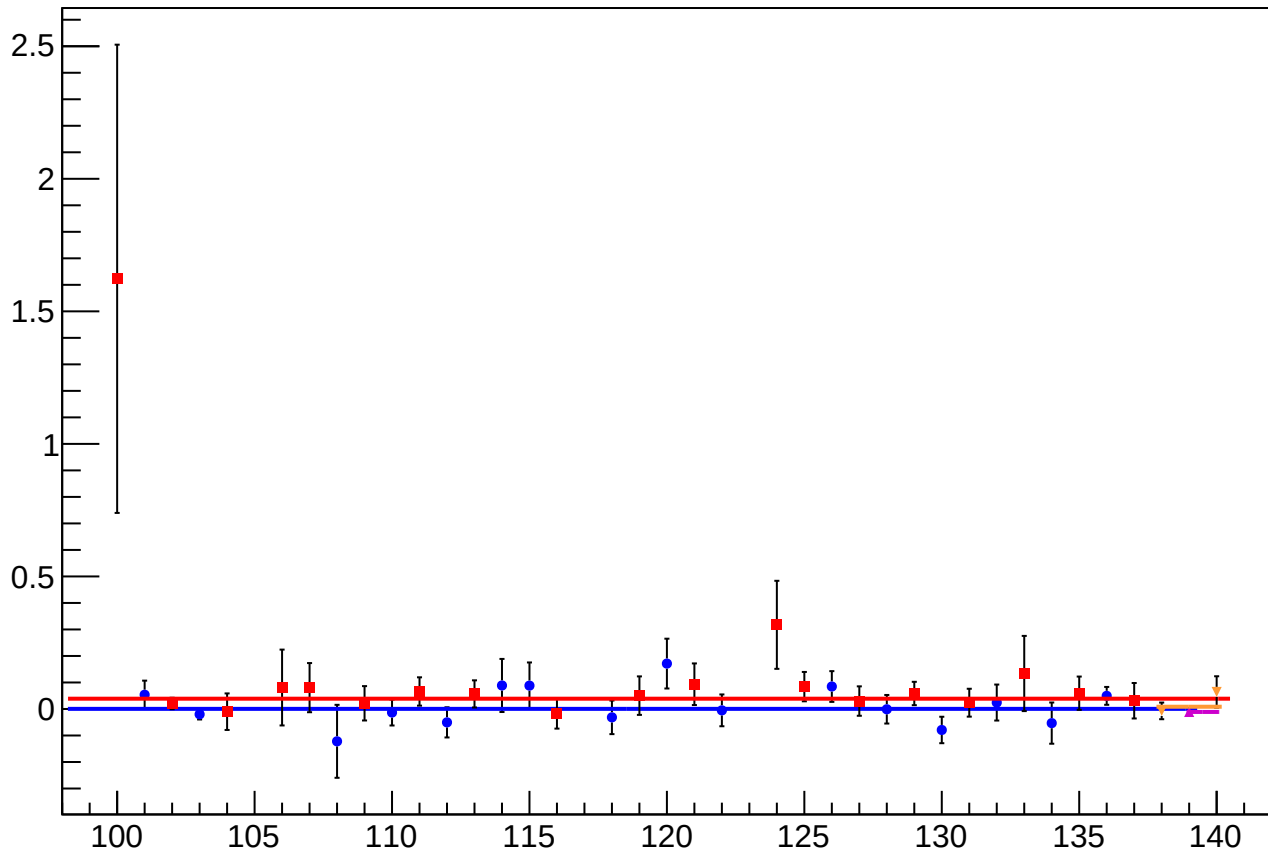
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 2561951.3/17

All: 0.000 ± 0.000 χ^2/NDF : 5175792.7/37

- sign 0.000 ± 0.000 χ^2/NDF : 1604622.4/19

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.008 $\pm$ 0.028 χ^2 /NDF: 1.1/1

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

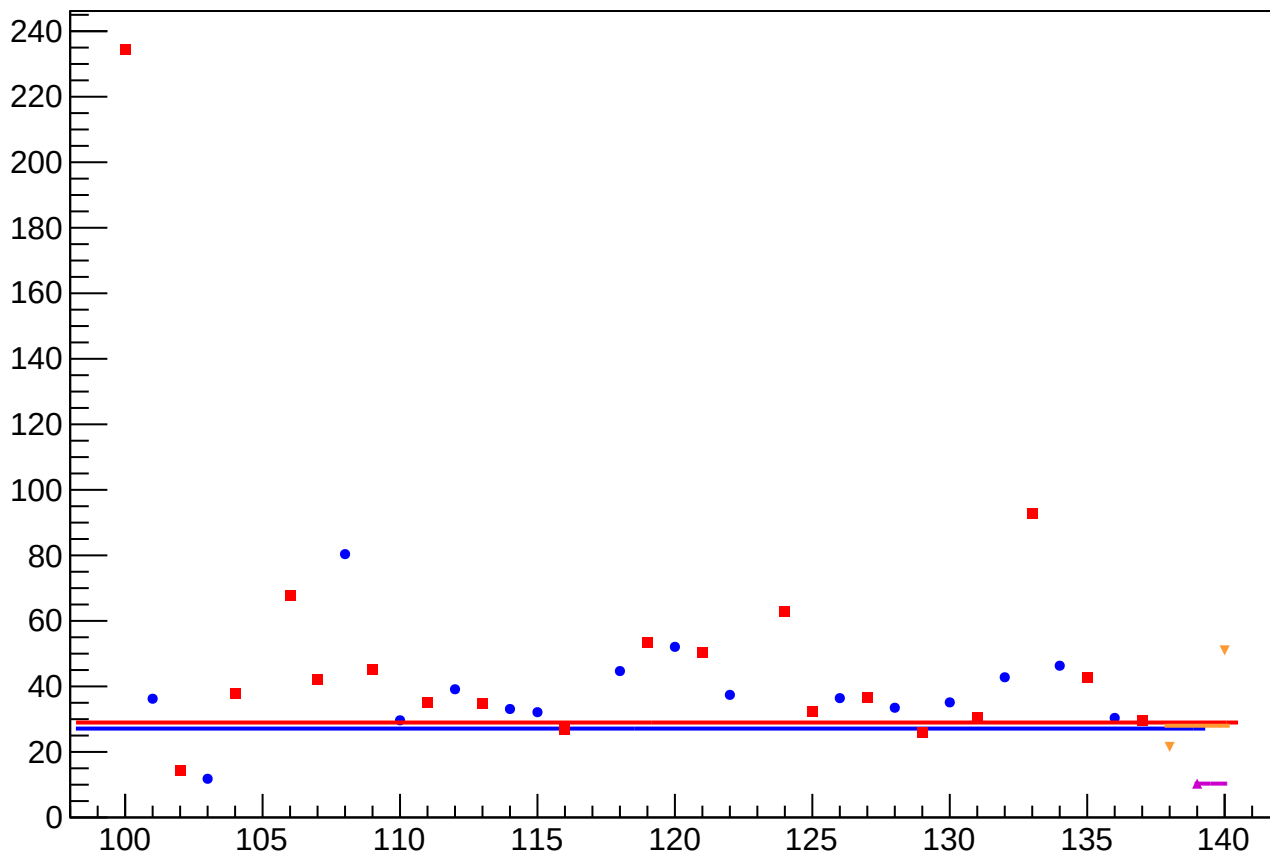
Left In: -0.011 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 0.002 $\pm$ 0.011 χ^2 /NDF: 17.7/17

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 37.0/37

- sign 0.015 $\pm$ 0.009 χ^2 /NDF: 18.4/19

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: 28.003+/-0.020 χ^2/NDF : 386816.0/1

Right Out: 28.979+/-0.009 χ^2/NDF : 2456254.0/18

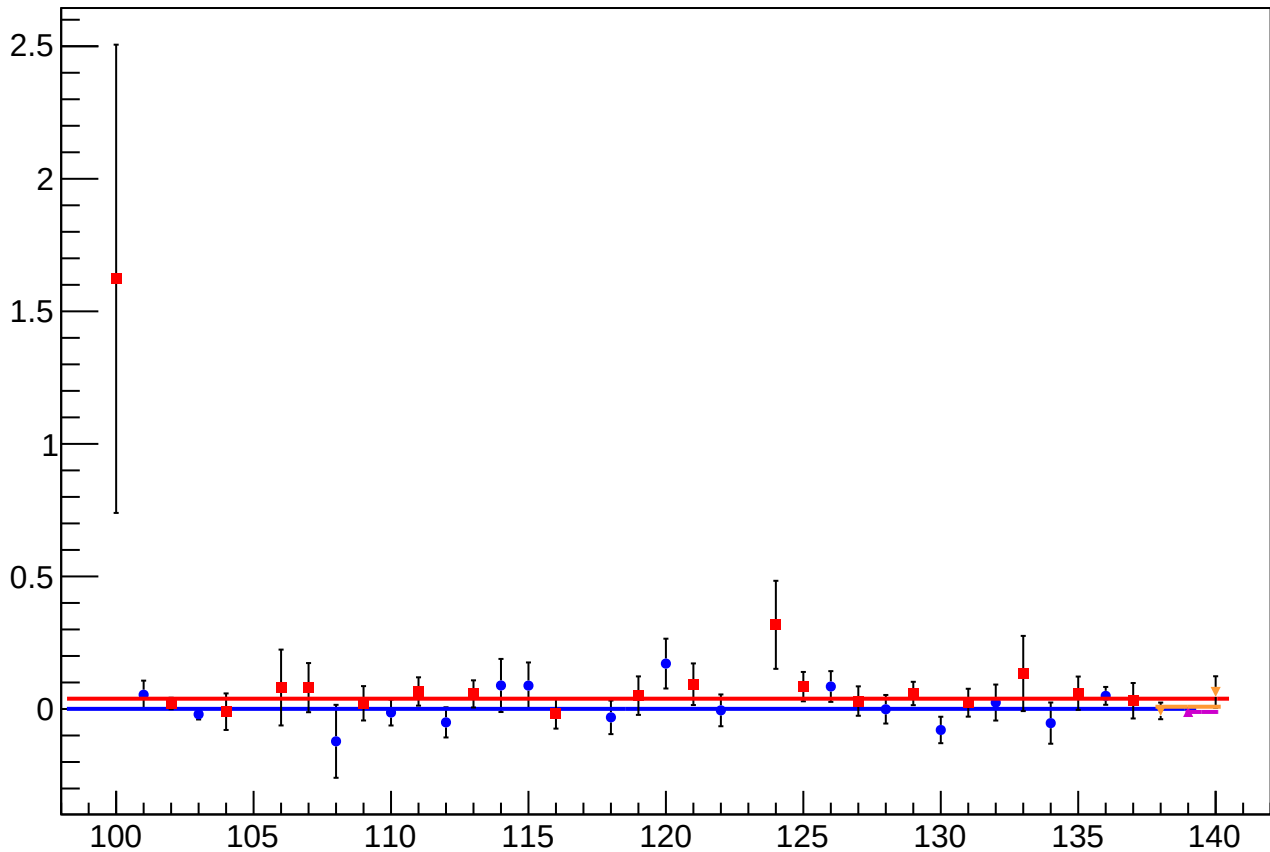
Left In: 10.323+/-0.009 χ^2/NDF : 0.0/0

+ sign 27.267+/-0.008 χ^2/NDF : 2803808.8/17

All: 23.109+/-0.005 χ^2/NDF : 7788106.8/37

- sign 20.218+/-0.007 χ^2/NDF : 4503233.7/19

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.008 $\pm$ 0.028 χ^2 /NDF: 1.1/1

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

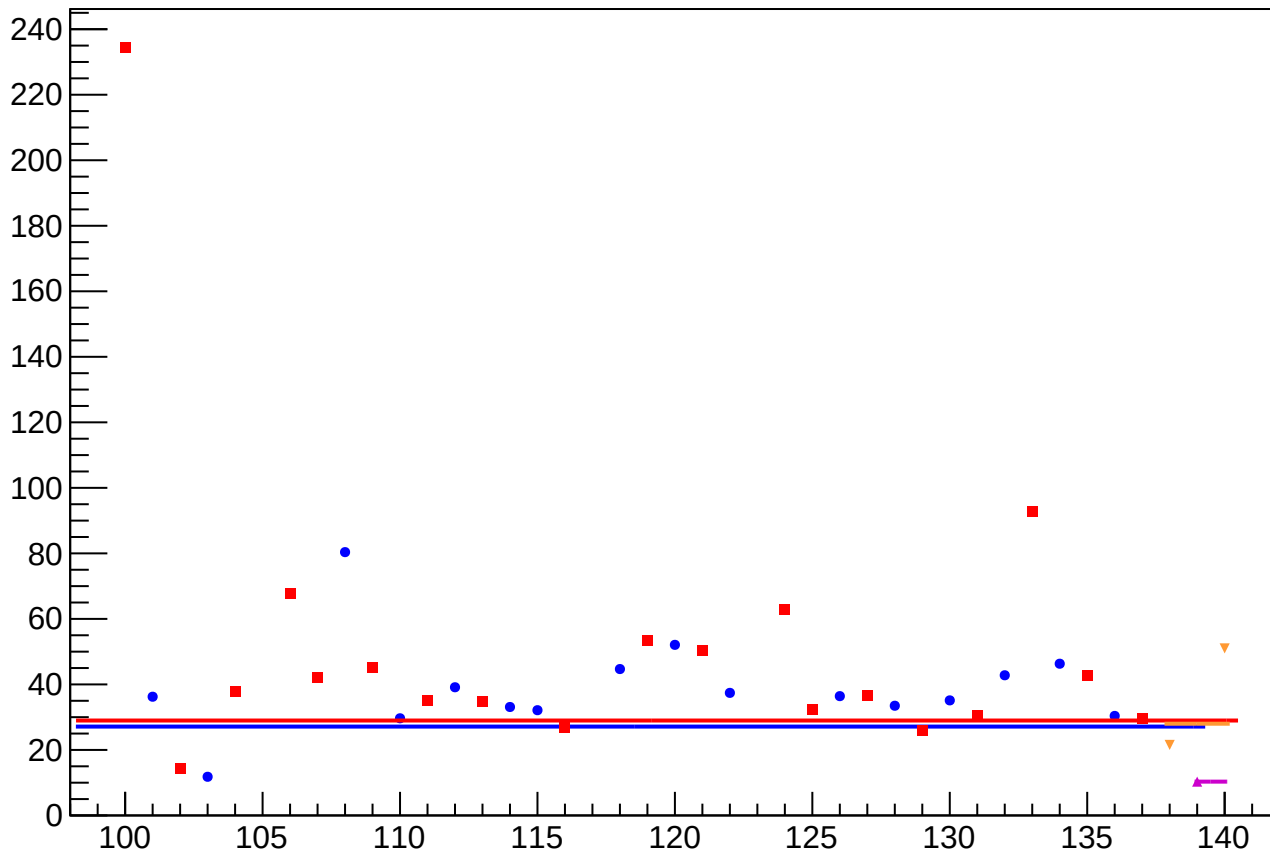
Left In: -0.011 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 0.002 $\pm$ 0.011 χ^2 /NDF: 17.7/17

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 37.0/37

- sign 0.015 $\pm$ 0.009 χ^2 /NDF: 18.4/19

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128 $\pm$ 0.009 χ^2 /NDF: 2415316.1/15

Left Out: 28.003 $\pm$ 0.020 χ^2 /NDF:386816.0/1

Right Out: 28.979 $\pm$ 0.009 χ^2 /NDF: 2456254.0/18

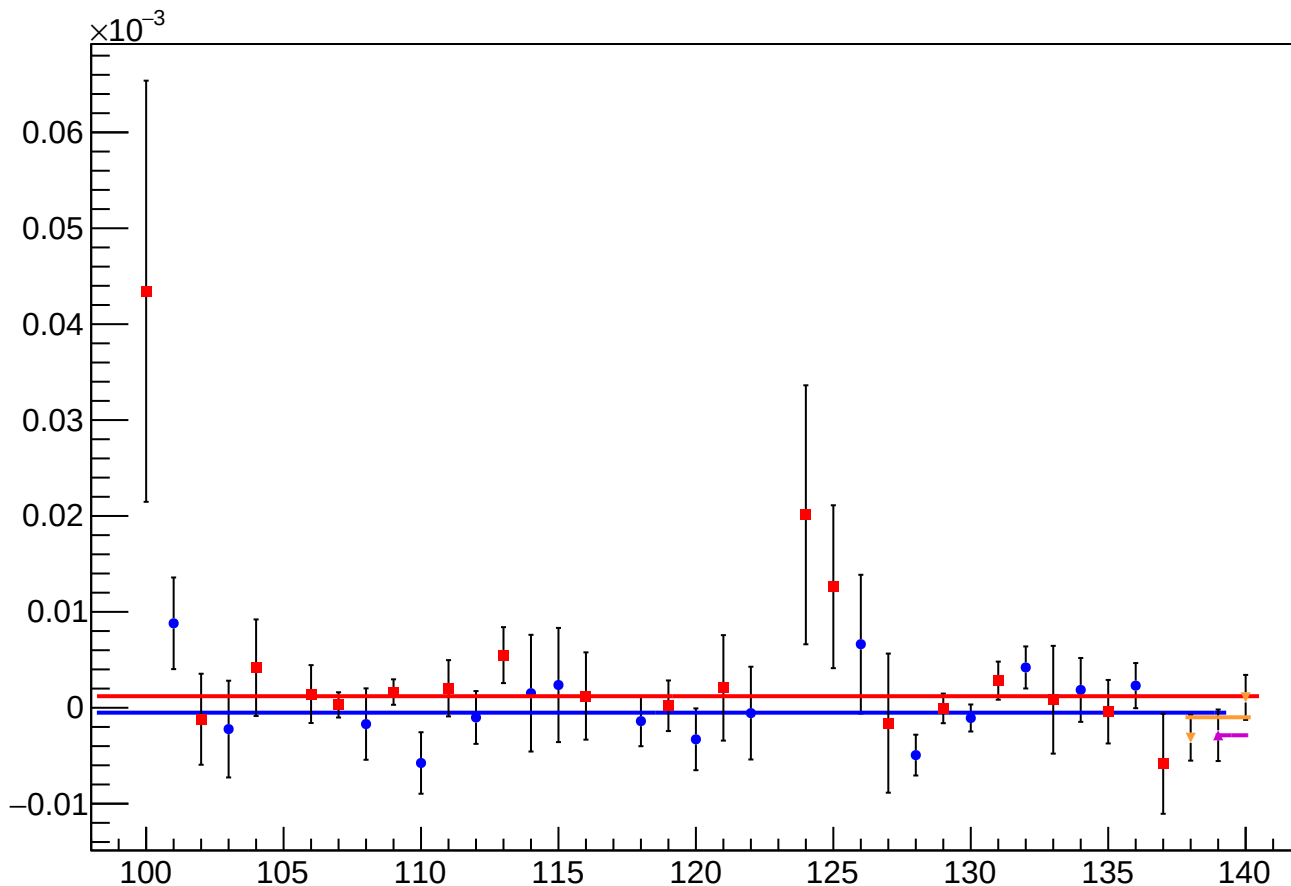
Left In: 10.323 $\pm$ 0.009 χ^2 /NDF:0.0/0

+ sign 27.267 $\pm$ 0.008 χ^2 /NDF: 2803808.8/17

All: 23.109 $\pm$ 0.005 χ^2 /NDF: 7788106.8/37

- sign 20.218 $\pm$ 0.007 χ^2 /NDF: 4503233.7/19

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/18

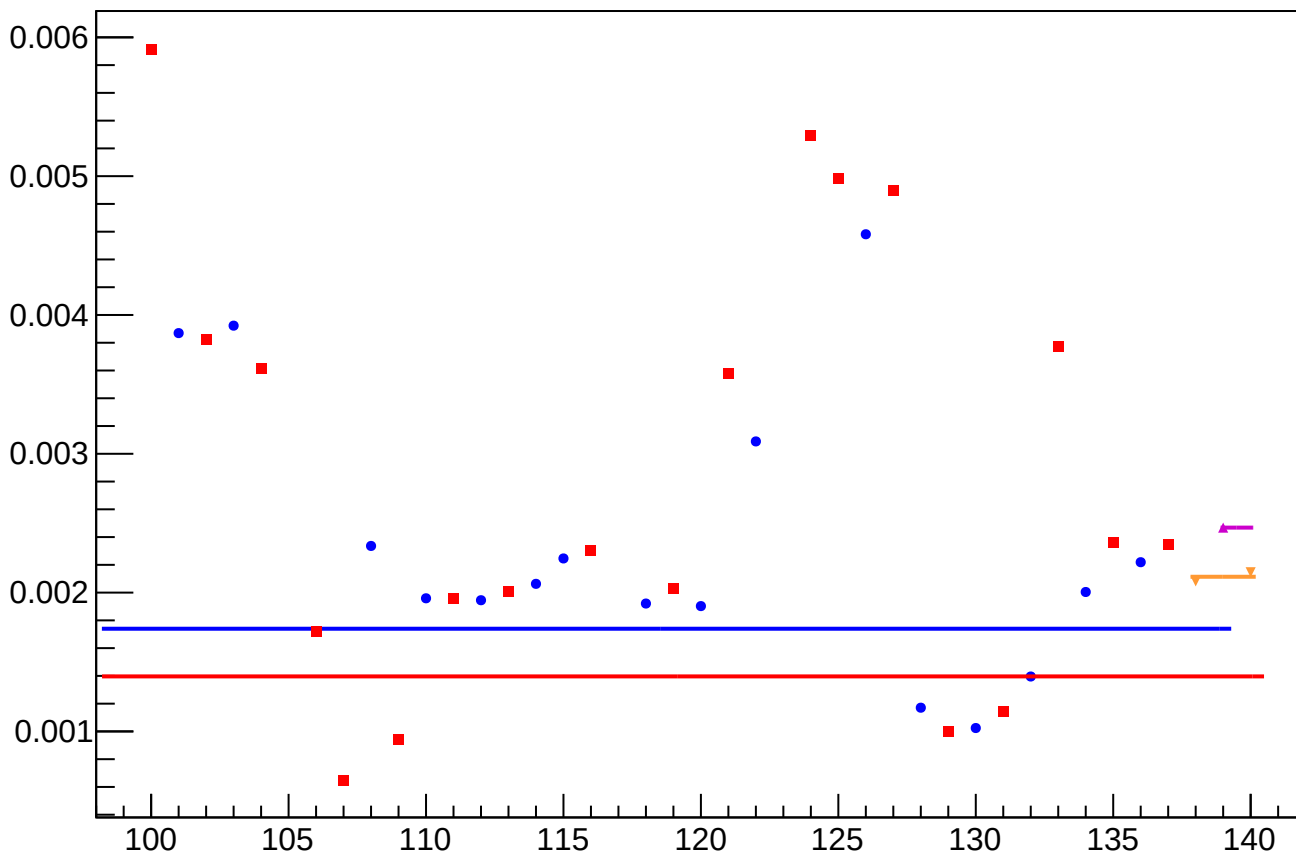
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/19

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF : 774.4/1

Right Out: 0.001+/-0.000 χ^2/NDF : 4323193.2/18

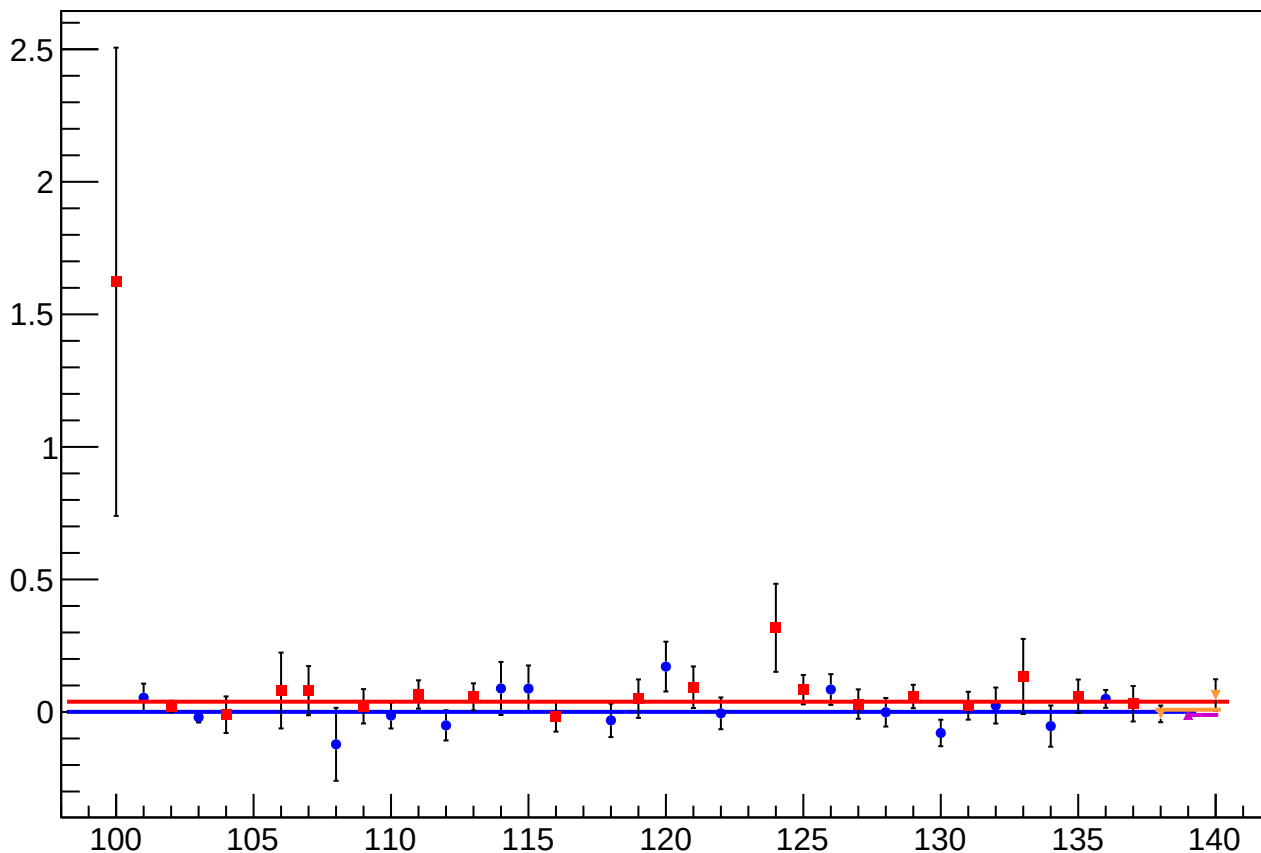
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 2232316.3/17

All: 0.002+/-0.000 χ^2/NDF : 7166305.1/37

- sign 0.001+/-0.000 χ^2/NDF : 4626126.0/19

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.008 $\pm$ 0.028 χ^2 /NDF: 1.1/1

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

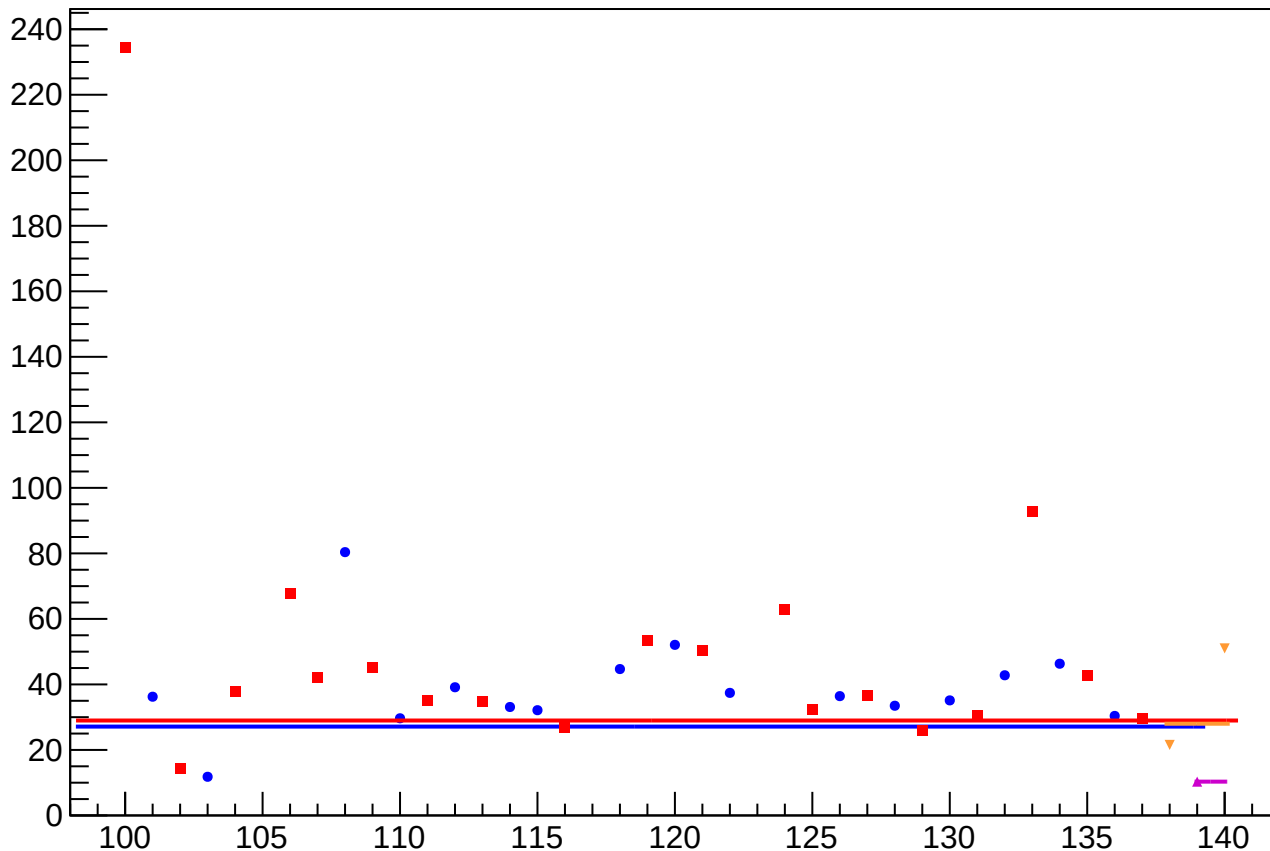
Left In: -0.011 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 0.002 $\pm$ 0.011 χ^2 /NDF: 17.7/17

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 37.0/37

- sign 0.015 $\pm$ 0.009 χ^2 /NDF: 18.4/19

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127 $\pm$ 0.009 χ^2 /NDF: 2415651.3/15

Left Out: 27.999 $\pm$ 0.020 χ^2 /NDF: 386934.5/1

Right Out: 28.982 $\pm$ 0.009 χ^2 /NDF: 2455659.1/18

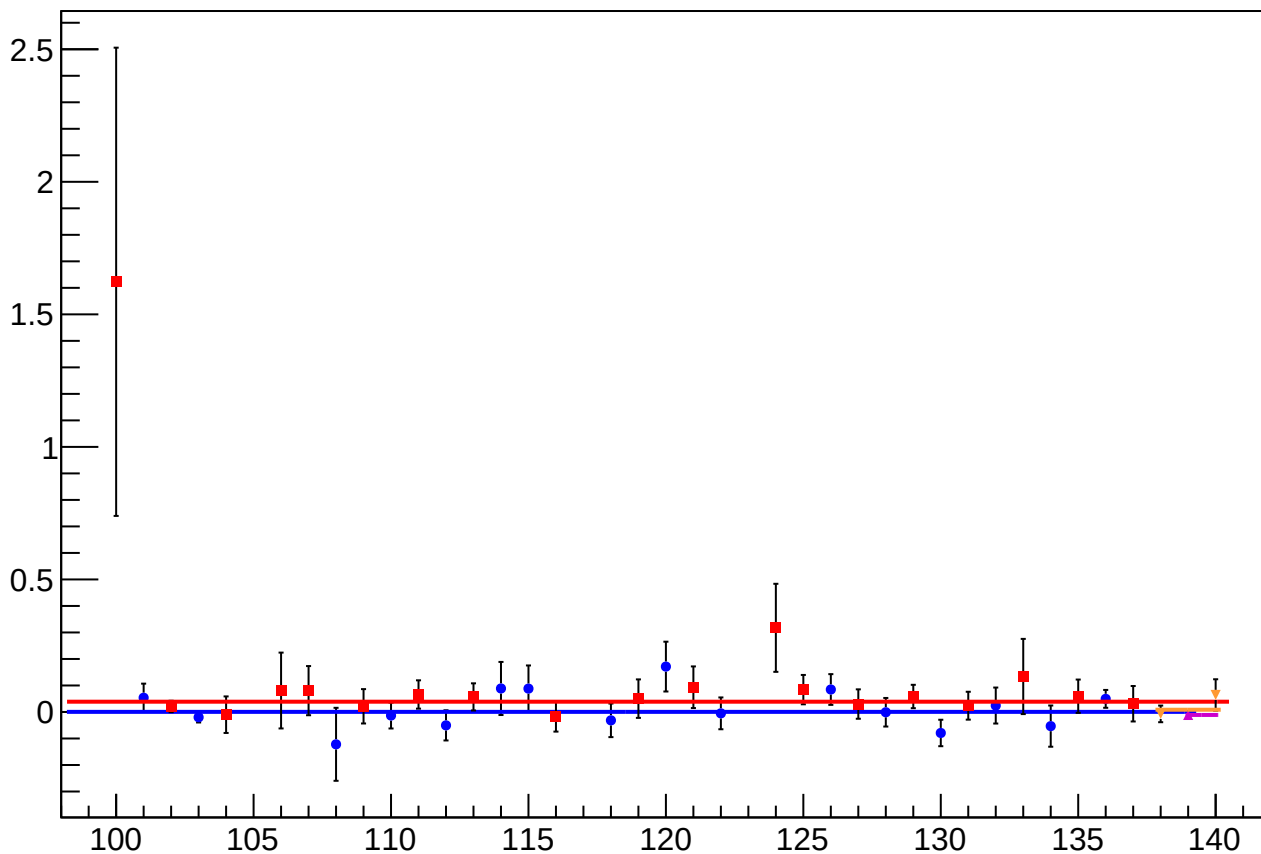
Left In: 10.322 $\pm$ 0.009 χ^2 /NDF: 0.0/0

+ sign 27.266 $\pm$ 0.008 χ^2 /NDF: 2804251.0/17

All: 23.108 $\pm$ 0.005 χ^2 /NDF: 7788826.2/37

- sign 20.218 $\pm$ 0.007 χ^2 /NDF: 4503575.4/19

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.008 $\pm$ 0.028 χ^2 /NDF: 1.1/1

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

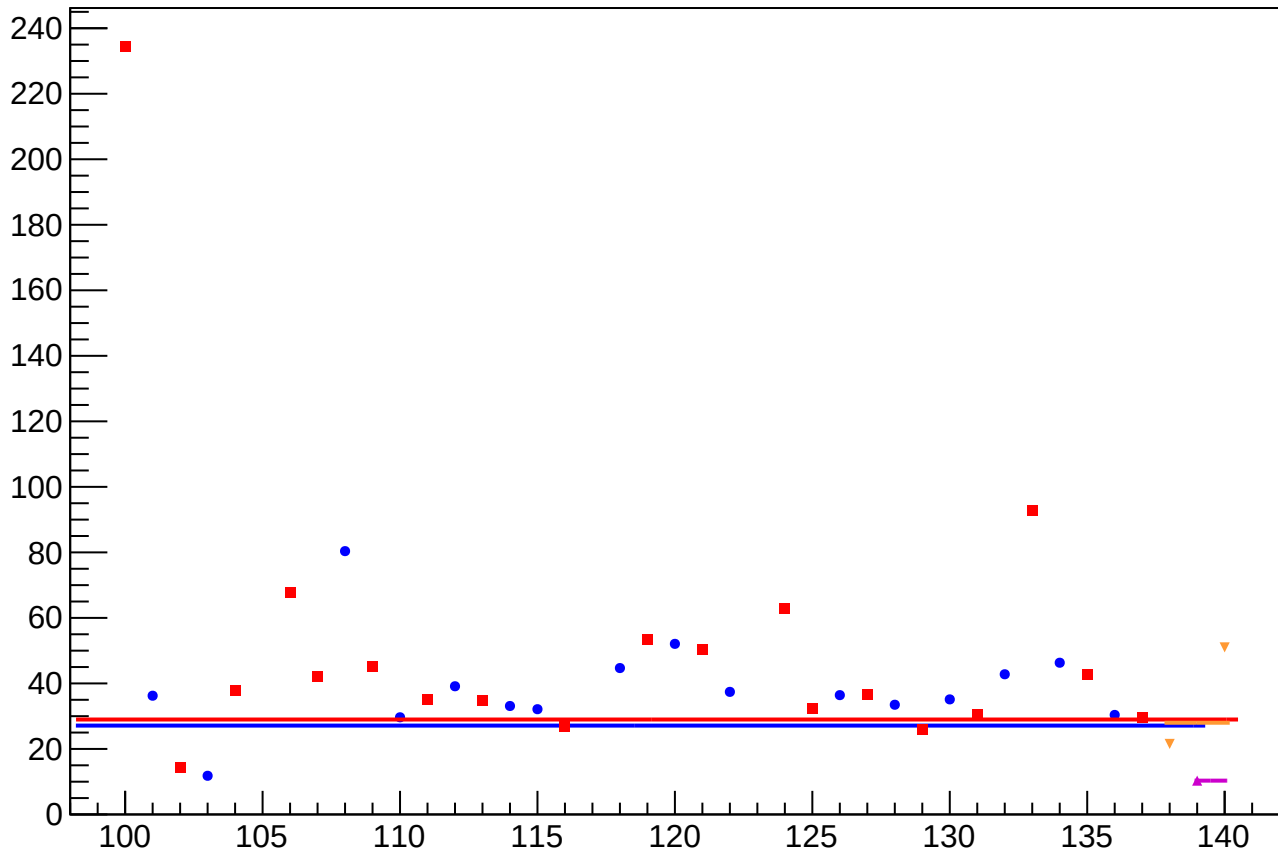
Left In: -0.011 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 0.002 $\pm$ 0.011 χ^2 /NDF: 17.7/17

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 37.0/37

- sign 0.015 $\pm$ 0.009 χ^2 /NDF: 18.4/19

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF : 2415651.3/15

Left Out: 27.999+/-0.020 χ^2/NDF : 386934.5/1

Right Out: 28.982+/-0.009 χ^2/NDF : 2455659.1/18

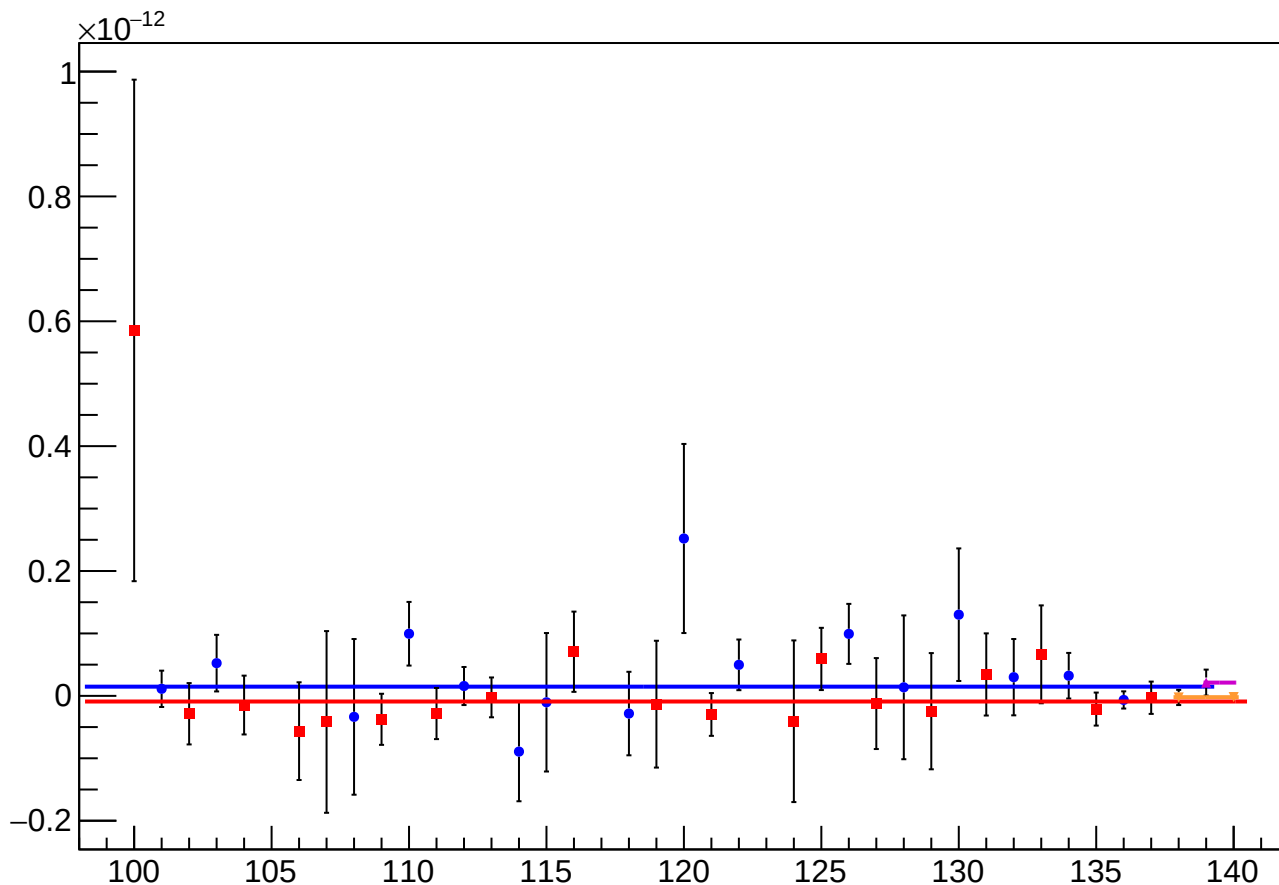
Left In: 10.322+/-0.009 χ^2/NDF : 0.0/0

+ sign 27.266+/-0.008 χ^2/NDF : 2804251.0/17

All: 23.108+/-0.005 χ^2/NDF : 7788826.2/37

- sign 20.218+/-0.007 χ^2/NDF : 4503575.4/19

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.0/18

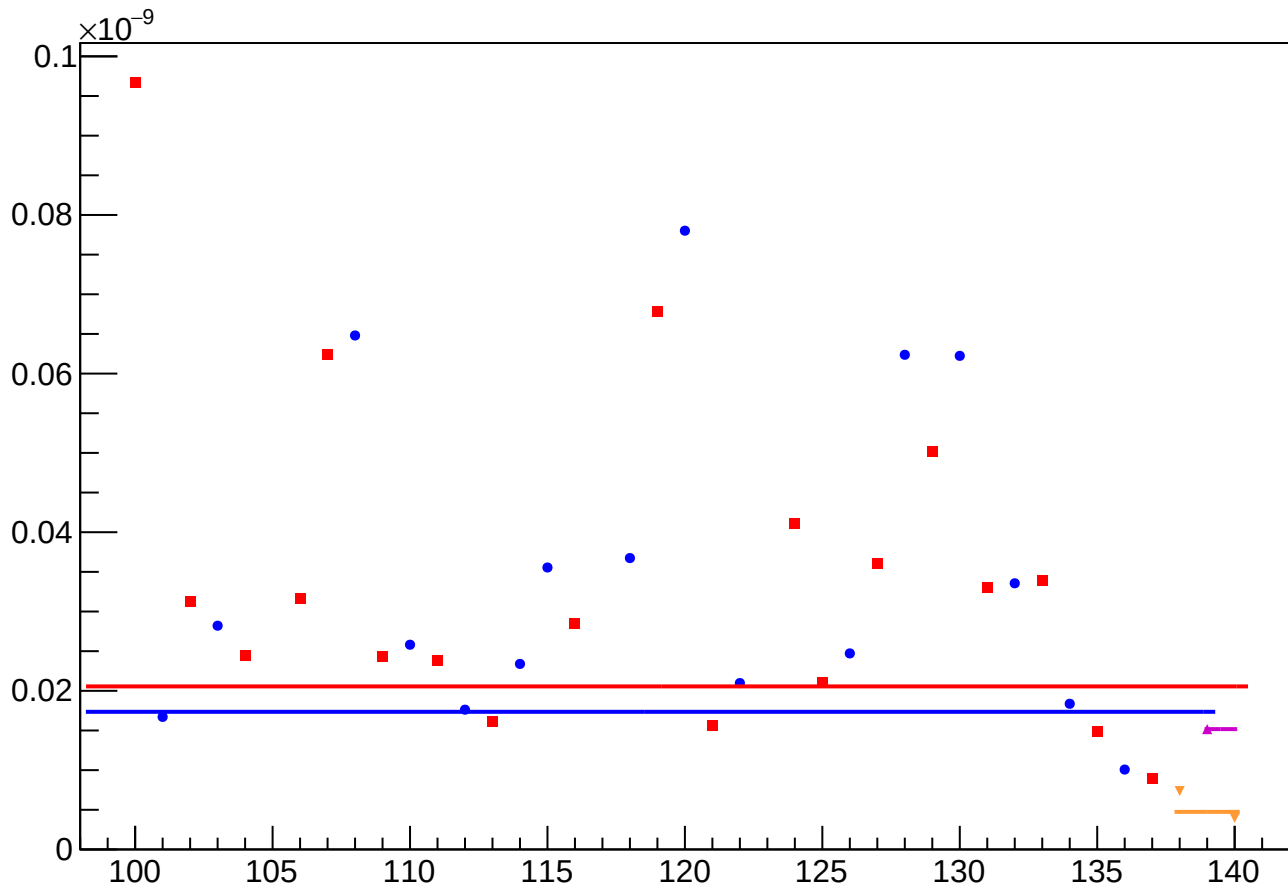
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.7/19

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2442014.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:119755.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1925673.6/18

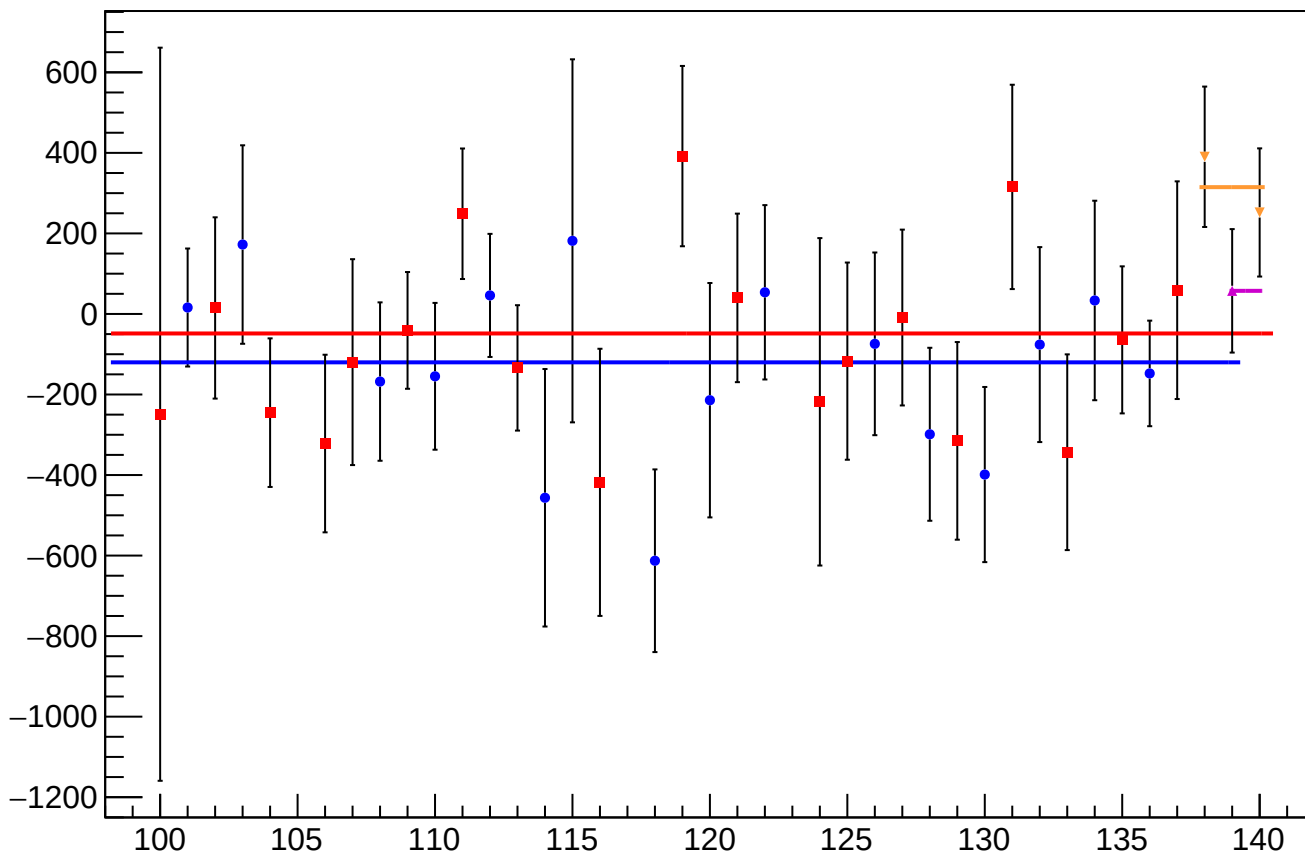
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5156804.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9357348.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2031012.5/19

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 314.890 ± 117.540 χ^2/NDF : 0.3/1

Right Out: -48.449 ± 49.910 χ^2/NDF : 17.0/18

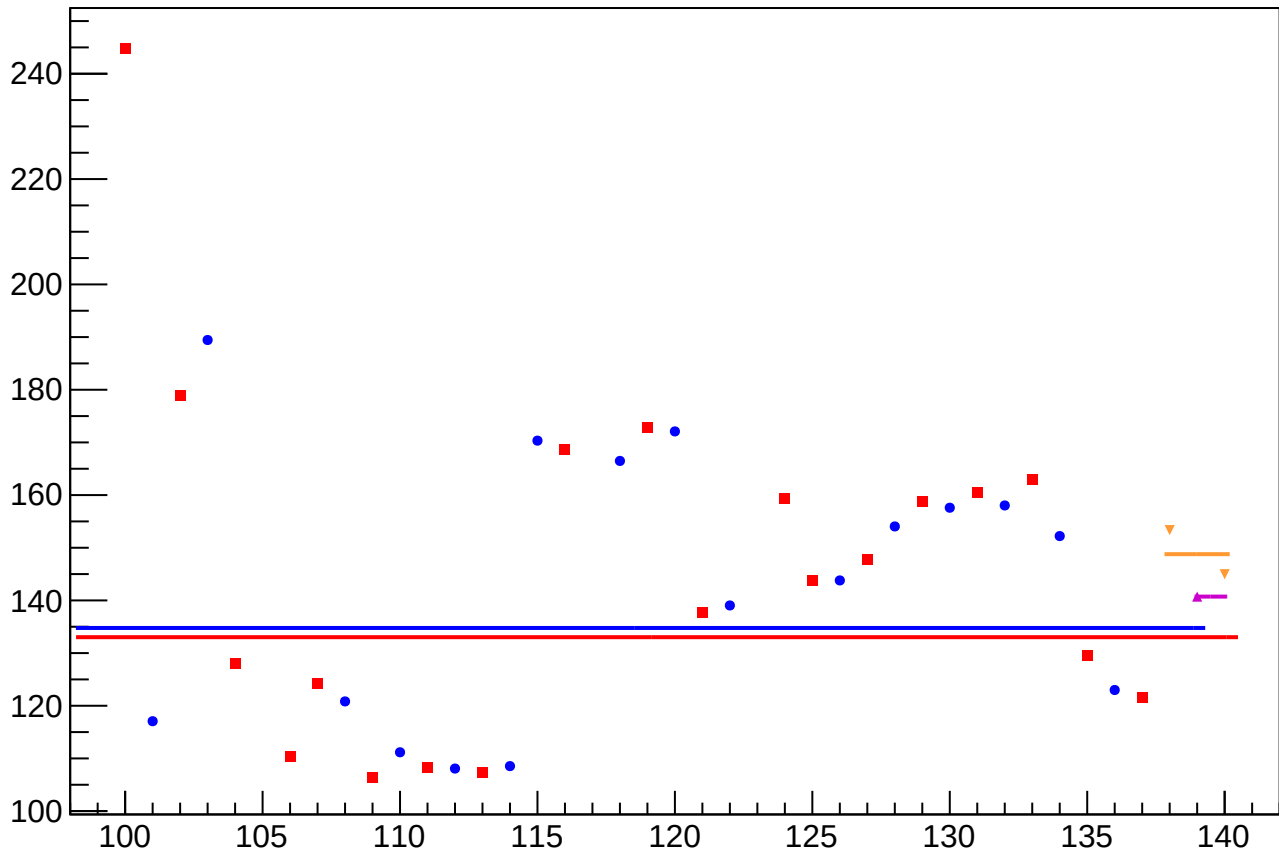
Left In: 57.400 ± 153.318 χ^2/NDF : 0.0/0

+ sign -50.996 ± 46.865 χ^2/NDF : 25.3/17

All: -44.731 ± 33.347 χ^2/NDF : 42.7/37

- sign -38.306 ± 47.458 χ^2/NDF : 17.4/19

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416778.7/15

Left Out: 148.781 $\pm$ 0.083 χ^2 /NDF: 2516.5/1

Right Out: 133.019 $\pm$ 0.035 χ^2 /NDF: 495717.0/18

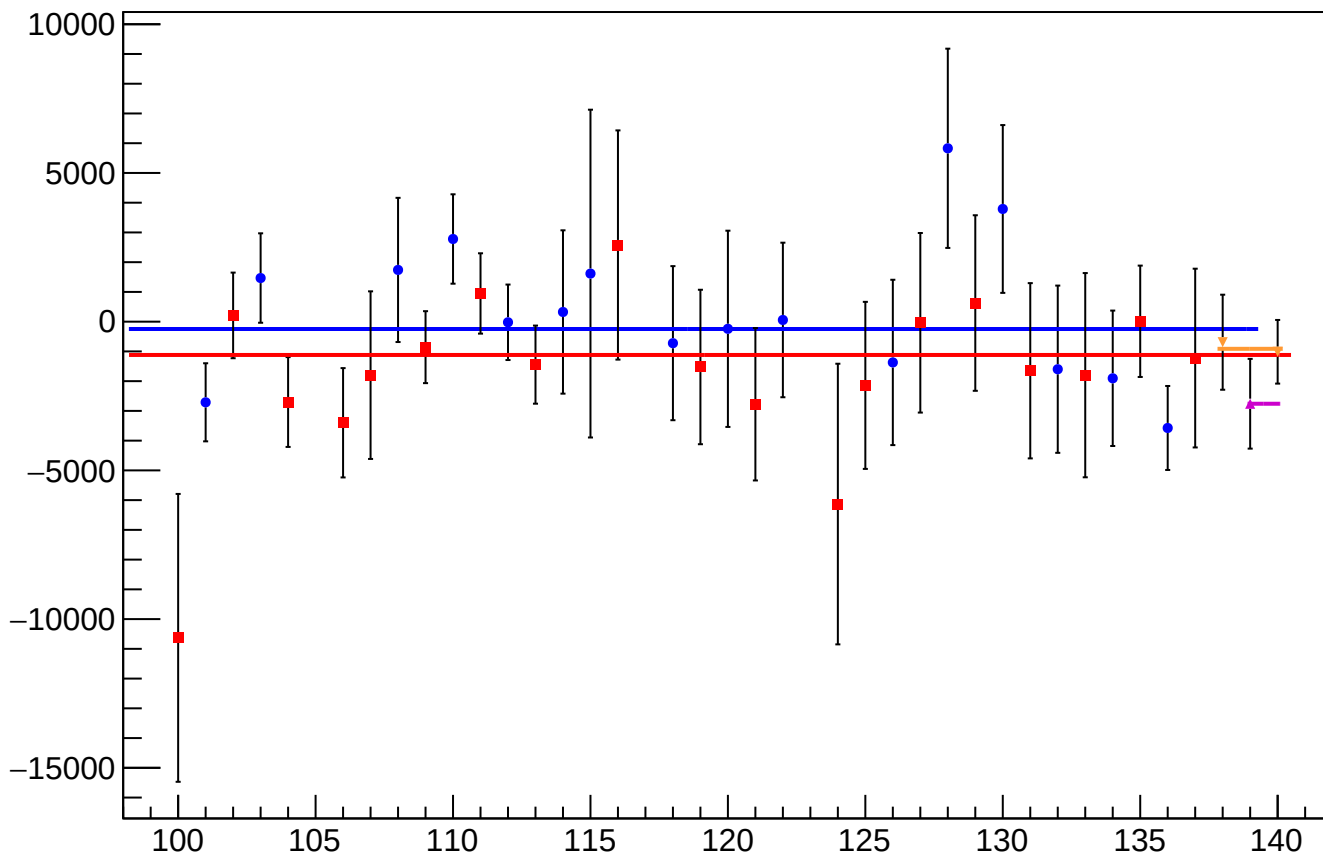
Left In: 140.725 $\pm$ 0.108 χ^2 /NDF: 0.0/0

+ sign 136.998 $\pm$ 0.033 χ^2 /NDF: 443192.5/17

All: 135.398 $\pm$ 0.024 χ^2 /NDF: 948199.3/37

- sign 133.758 $\pm$ 0.034 χ^2 /NDF: 500285.2/19

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2 /NDF: 21.6/15

Left Out: -912.900+/-889.033 χ^2 /NDF:0.0/1

Right Out: -1119.420+/-468.400 χ^2 /NDF: 13.4/18

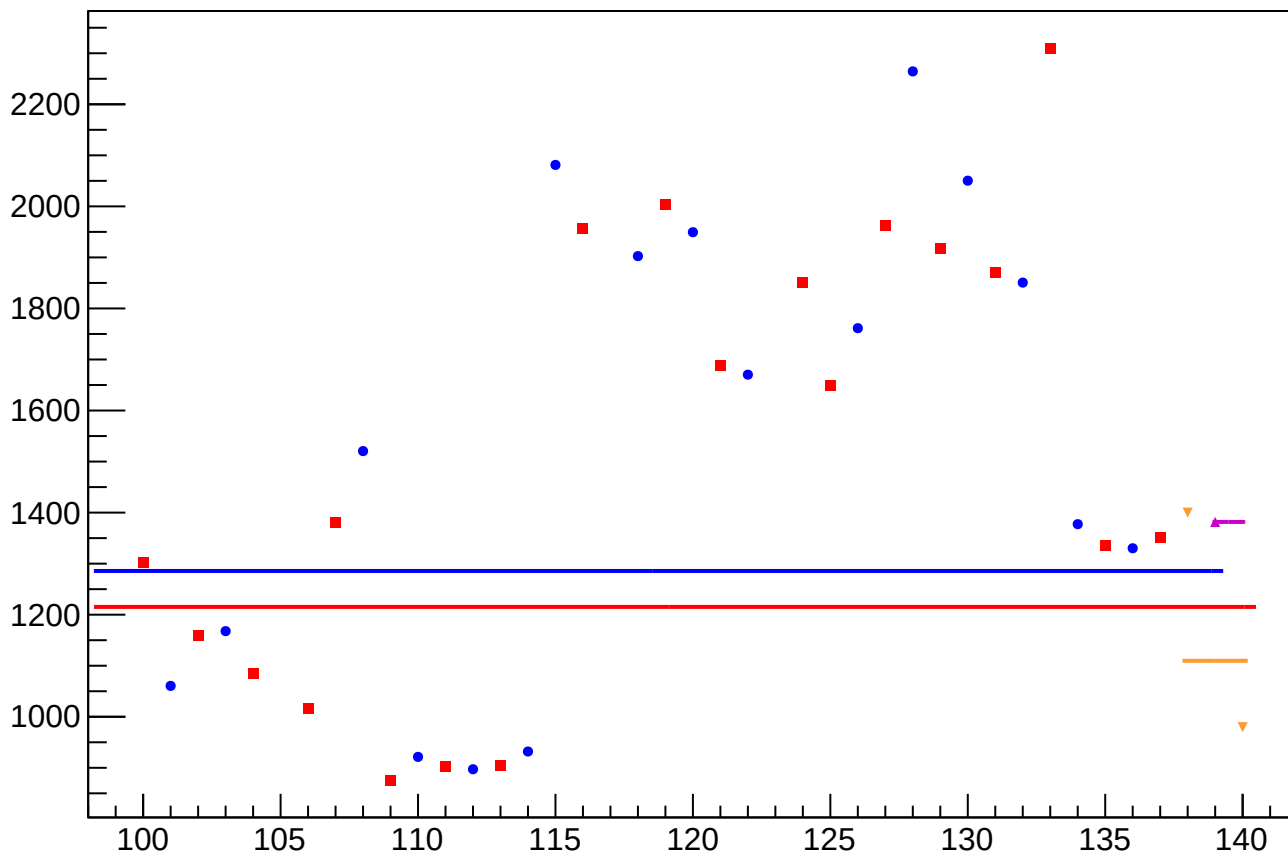
Left In: -2759.573+/-1508.884 χ^2 /NDF:0.0/0

+ sign -407.214+/-436.740 χ^2 /NDF: 22.1/17

All: -825.130+/-312.502 χ^2 /NDF: 38.4/37

- sign -1263.582+/-447.341 χ^2 /NDF: 14.5/19

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF : 1170437.4/15

Left Out: 1109.683+/-0.629 χ^2/NDF : 95596.5/1

Right Out: 1215.237+/-0.331 χ^2/NDF : 1386290.4/18

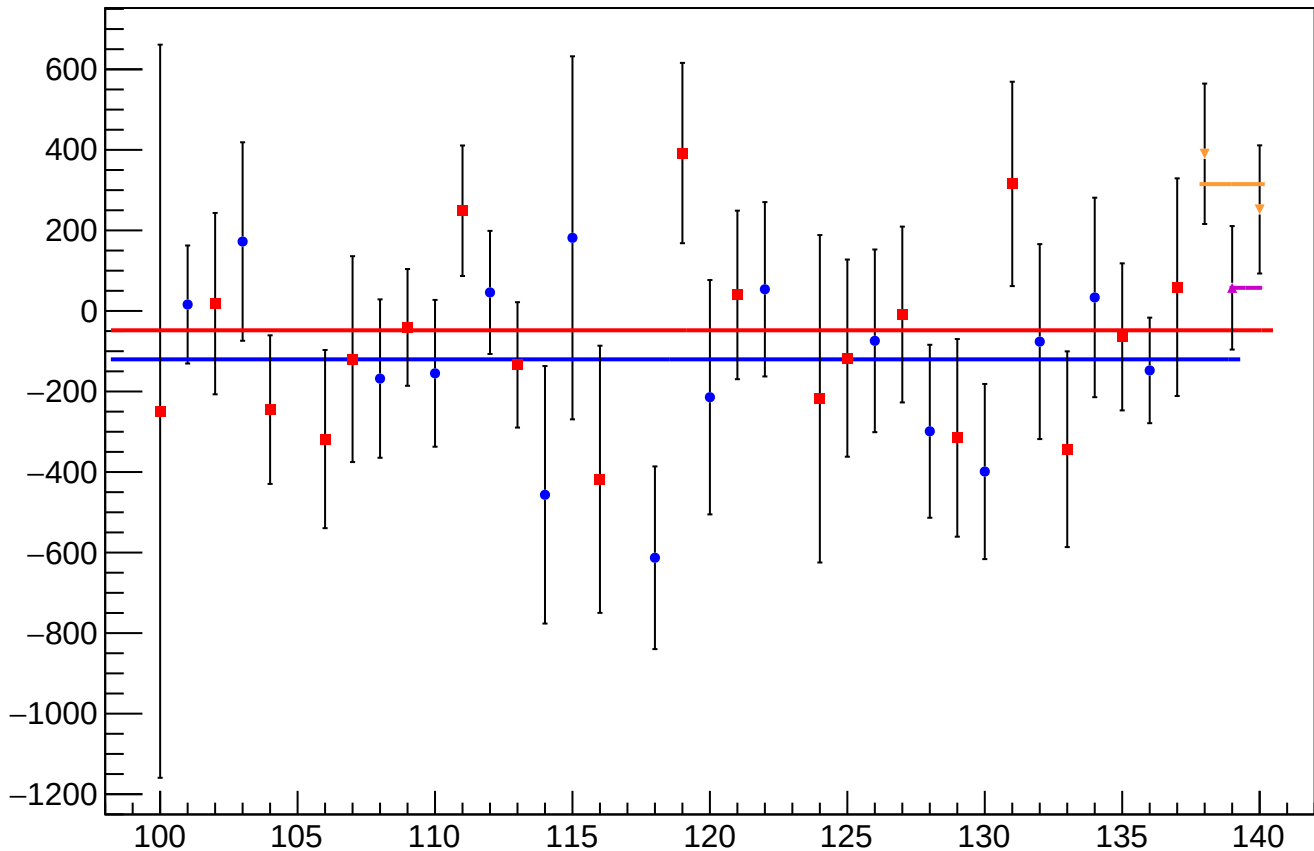
Left In: 1381.739+/-1.067 χ^2/NDF : 0.0/0

+ sign 1243.198+/-0.309 χ^2/NDF : 1325490.7/17

All: 1236.695+/-0.221 χ^2/NDF : 2734902.6/37

- sign 1229.872+/-0.316 χ^2/NDF : 1408503.2/19

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 314.912 ± 117.540 χ^2/NDF : 0.3/1

Right Out: -48.013 ± 49.919 χ^2/NDF : 17.0/18

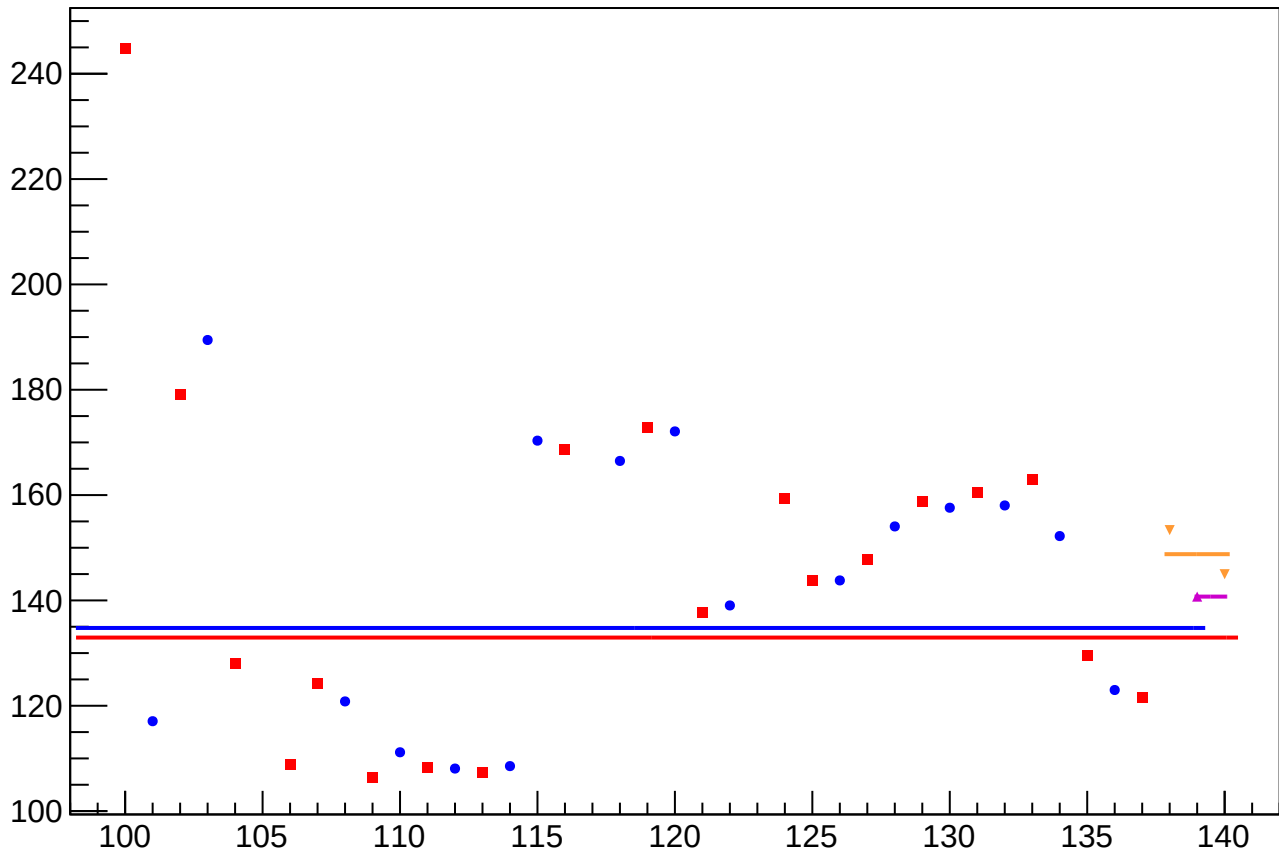
Left In: 57.396 ± 153.318 χ^2/NDF : 0.0/0

+ sign -51.001 ± 46.865 χ^2/NDF : 25.3/17

All: -44.539 ± 33.349 χ^2/NDF : 42.7/37

- sign -37.909 ± 47.466 χ^2/NDF : 17.4/19

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416781.8/15

Left Out: 148.781 $\pm$ 0.083 χ^2 /NDF: 2516.5/1

Right Out: 132.947 $\pm$ 0.035 χ^2 /NDF: 498850.6/18

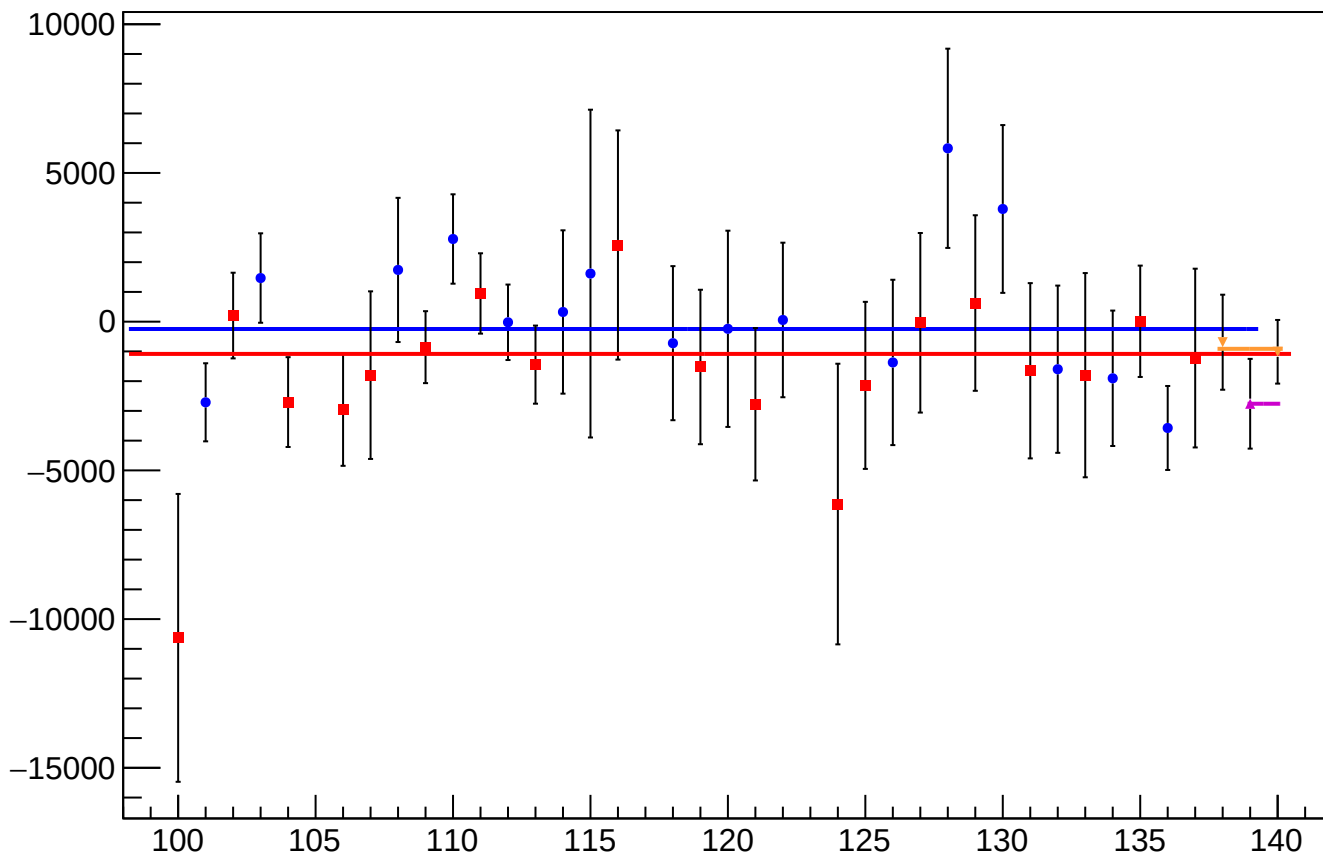
Left In: 140.725 $\pm$ 0.108 χ^2 /NDF: 0.0/0

+ sign 136.998 $\pm$ 0.033 χ^2 /NDF: 443195.5/17

All: 135.367 $\pm$ 0.024 χ^2 /NDF: 951613.0/37

- sign 133.693 $\pm$ 0.034 χ^2 /NDF: 503504.9/19

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF : 21.6/15

Left Out: -912.883+/-889.032 χ^2/NDF : 0.0/1

Right Out: -1084.094+/-469.323 χ^2/NDF : 12.8/18

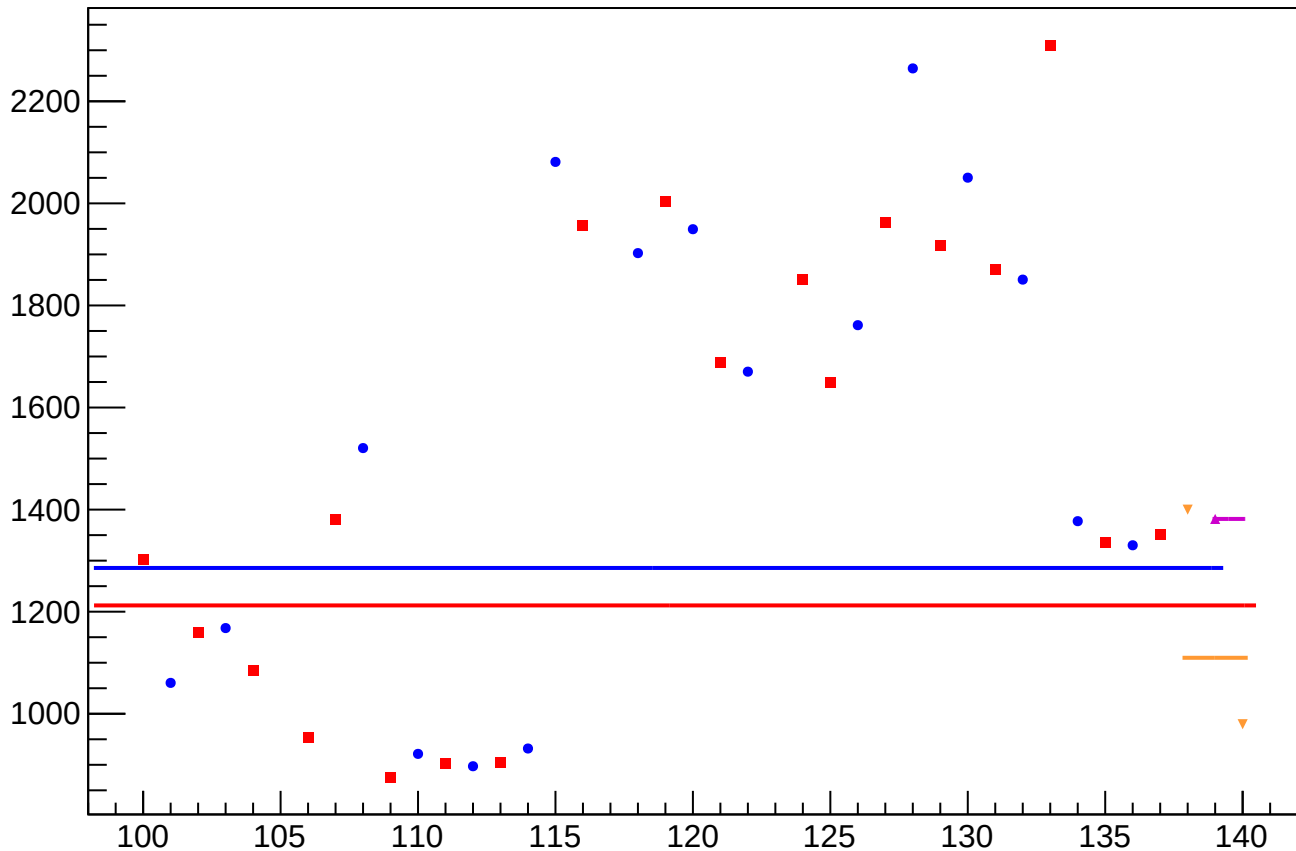
Left In: -2759.580+/-1508.882 χ^2/NDF : 0.0/0

+ sign -407.265+/-436.743 χ^2/NDF : 22.1/17

All: -808.954+/-312.777 χ^2/NDF : 37.7/37

- sign -1231.892+/-448.146 χ^2/NDF : 13.9/19

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF : 1170412.5/15

Left Out: 1109.682+/-0.629 χ^2/NDF : 95596.4/1

+ sign 1243.207+/-0.309 χ^2/NDF : 1325475.3/17

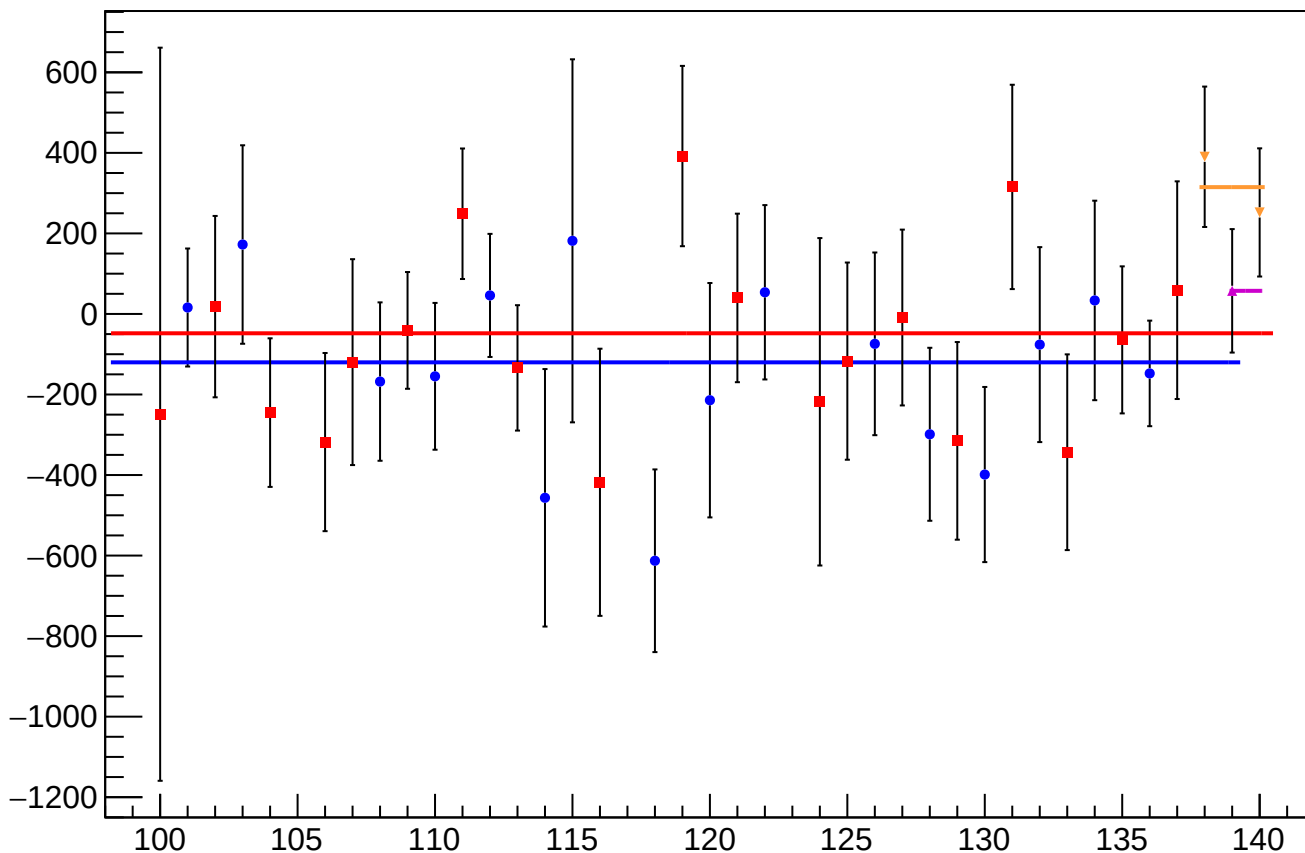
Right Out: 1212.276+/-0.332 χ^2/NDF : 1400635.5/18

All: 1235.422+/-0.221 χ^2/NDF : 2750417.3/37

- sign 1227.224+/-0.317 χ^2/NDF : 1423637.3/19

Left In: 1381.738+/-1.067 χ^2/NDF : 0.0/0

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF : 13.4/15

Left Out: 314.912+/-117.540 χ^2/NDF : 0.3/1

Right Out: -48.013+/-49.919 χ^2/NDF : 17.0/18

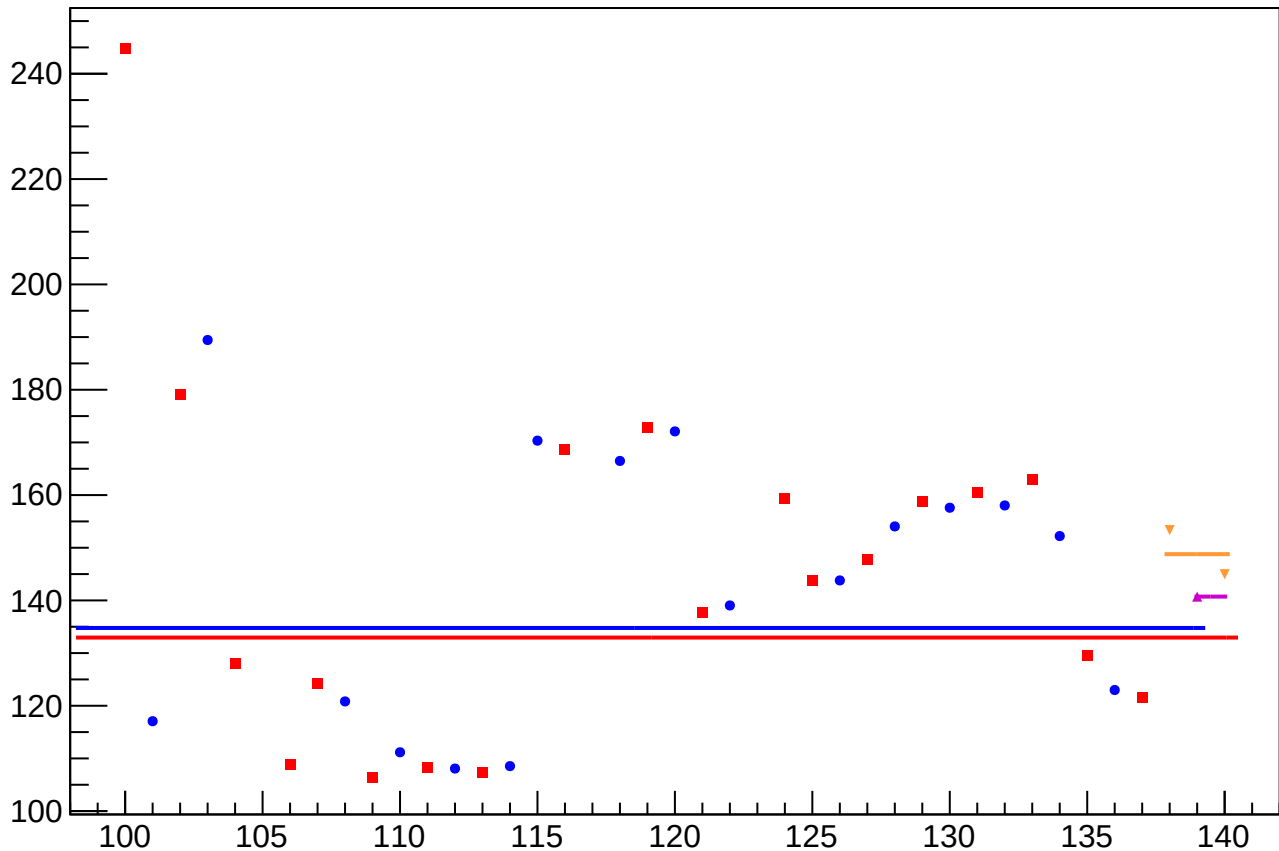
Left In: 57.396+/-153.318 χ^2/NDF : 0.0/0

+ sign -51.001+/-46.865 χ^2/NDF : 25.3/17

All: -44.539+/-33.349 χ^2/NDF : 42.7/37

- sign -37.909+/-47.466 χ^2/NDF : 17.4/19

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF : 416781.8/15

Left Out: 148.781+/-0.083 χ^2/NDF : 2516.5/1

Right Out: 132.947+/-0.035 χ^2/NDF : 498850.6/18

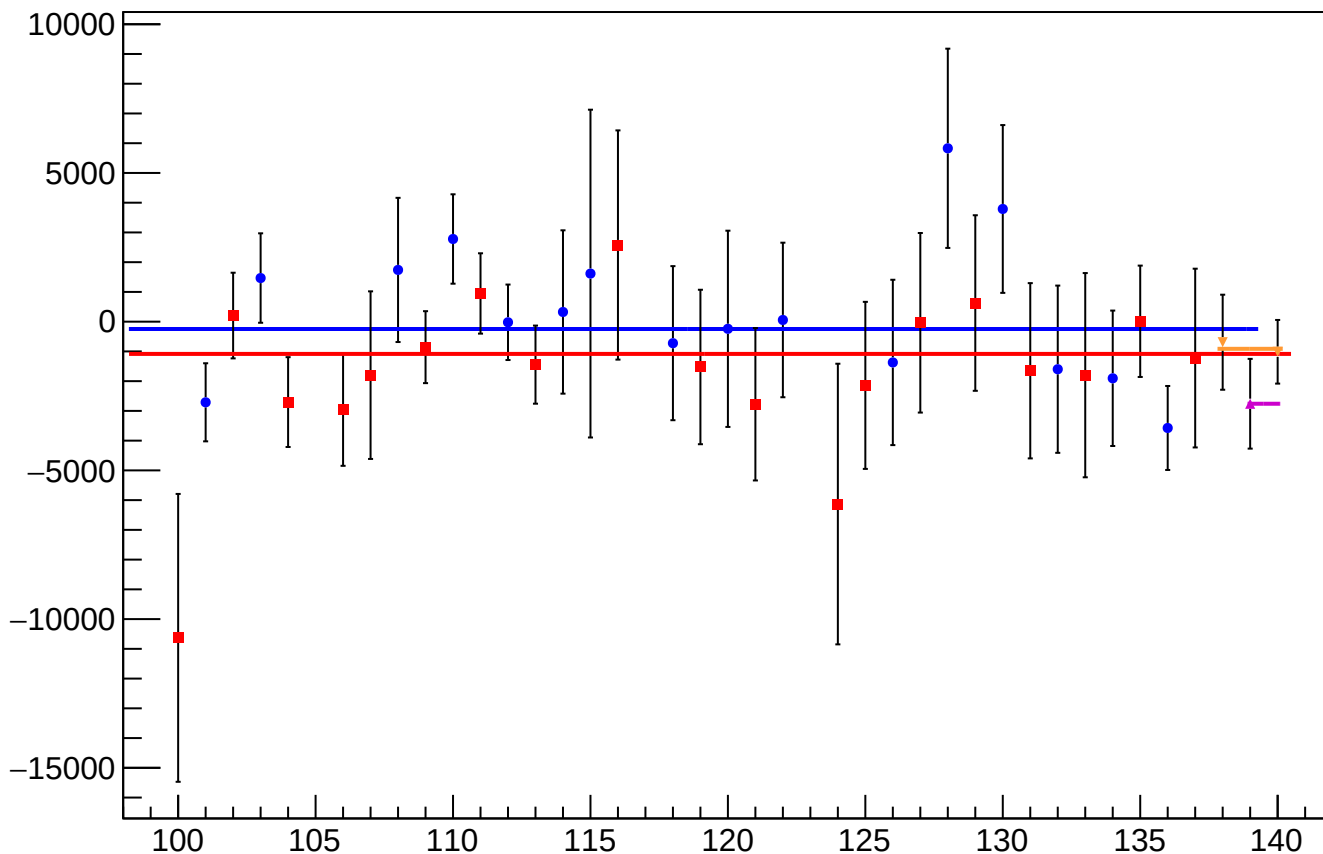
Left In: 140.725+/-0.108 χ^2/NDF : 0.0/0

+ sign 136.998+/-0.033 χ^2/NDF : 443195.5/17

All: 135.367+/-0.024 χ^2/NDF : 951613.0/37

- sign 133.693+/-0.034 χ^2/NDF : 503504.9/19

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF : 21.6/15

Left Out: -912.883+/-889.032 χ^2/NDF : 0.0/1

Right Out: -1084.094+/-469.323 χ^2/NDF : 12.8/18

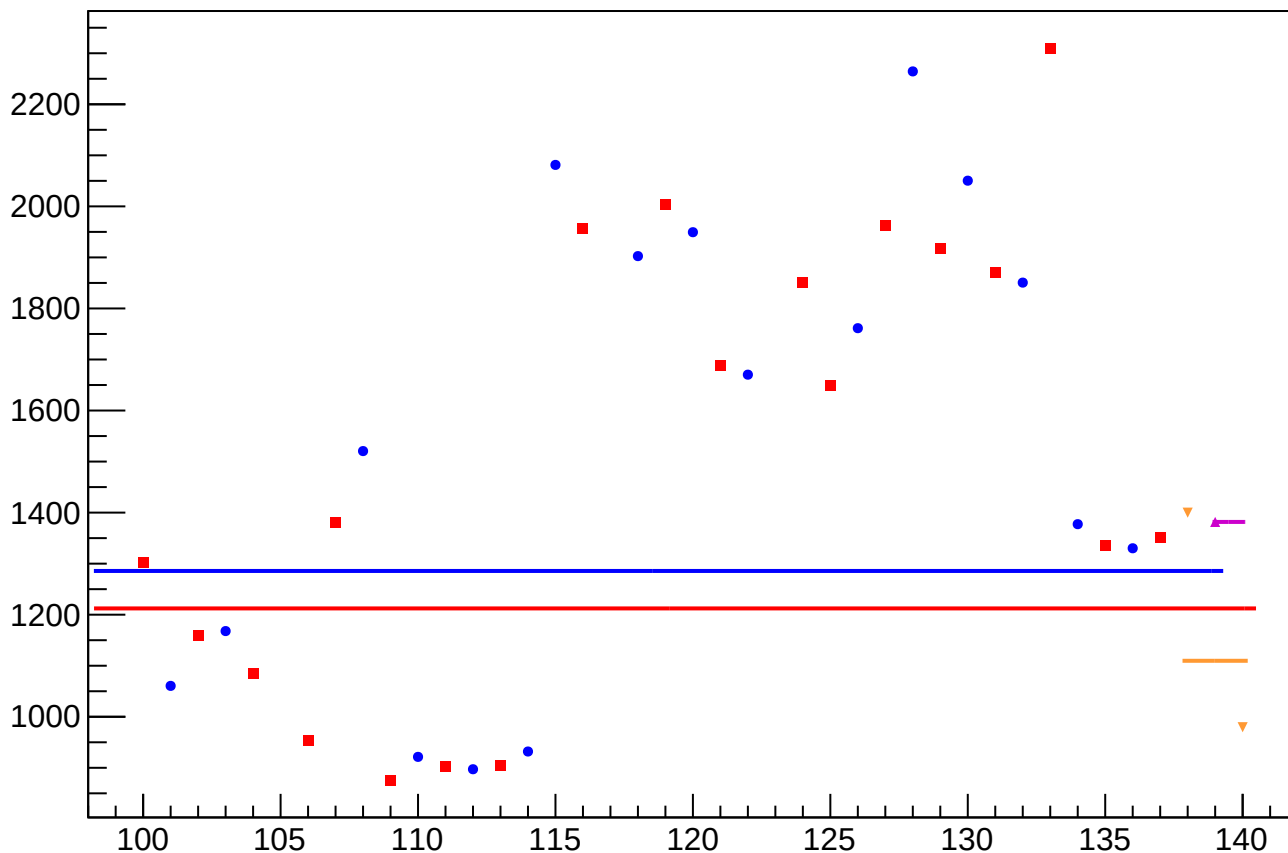
Left In: -2759.580+/-1508.882 χ^2/NDF : 0.0/0

+ sign -407.265+/-436.743 χ^2/NDF : 22.1/17

All: -808.954+/-312.777 χ^2/NDF : 37.7/37

- sign -1231.892+/-448.146 χ^2/NDF : 13.9/19

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1285.682 $\pm$ 0.355 χ^2 /NDF: 1170412.5/15

Left Out: 1109.682 $\pm$ 0.629 χ^2 /NDF: 95596.4/1

Right Out: 1212.276 $\pm$ 0.332 χ^2 /NDF: 1400635.5/18

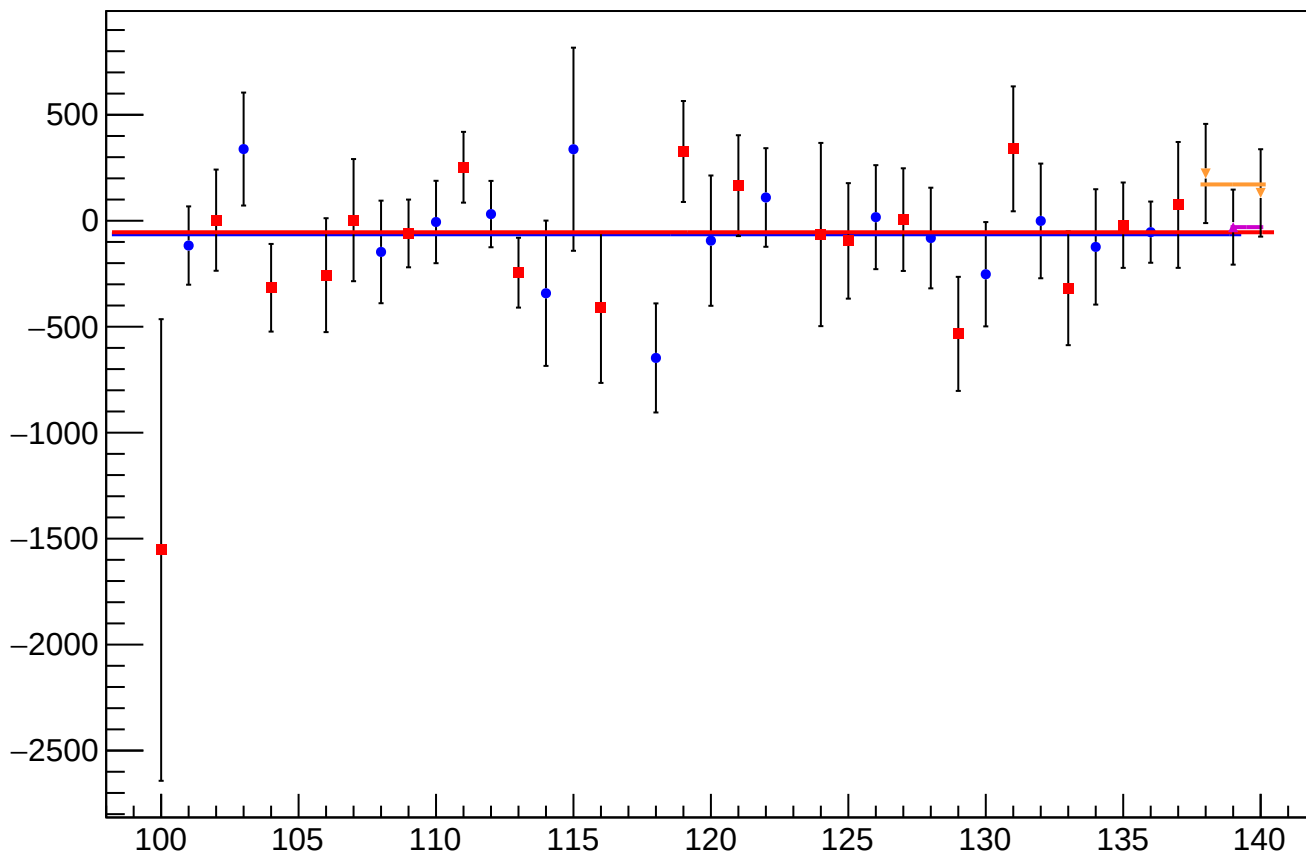
Left In: 1381.738 $\pm$ 1.067 χ^2 /NDF: 0.0/0

+ sign 1243.207 $\pm$ 0.309 χ^2 /NDF: 1325475.3/17

All: 1235.422 $\pm$ 0.221 χ^2 /NDF: 2750417.3/37

- sign 1227.224 $\pm$ 0.317 χ^2 /NDF: 1423637.3/19

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781 ± 56.734 χ^2/NDF : 10.8/15

Left Out: 171.394 ± 154.707 χ^2/NDF : 0.1/1

Right Out: -54.305 ± 54.743 χ^2/NDF : 19.5/18

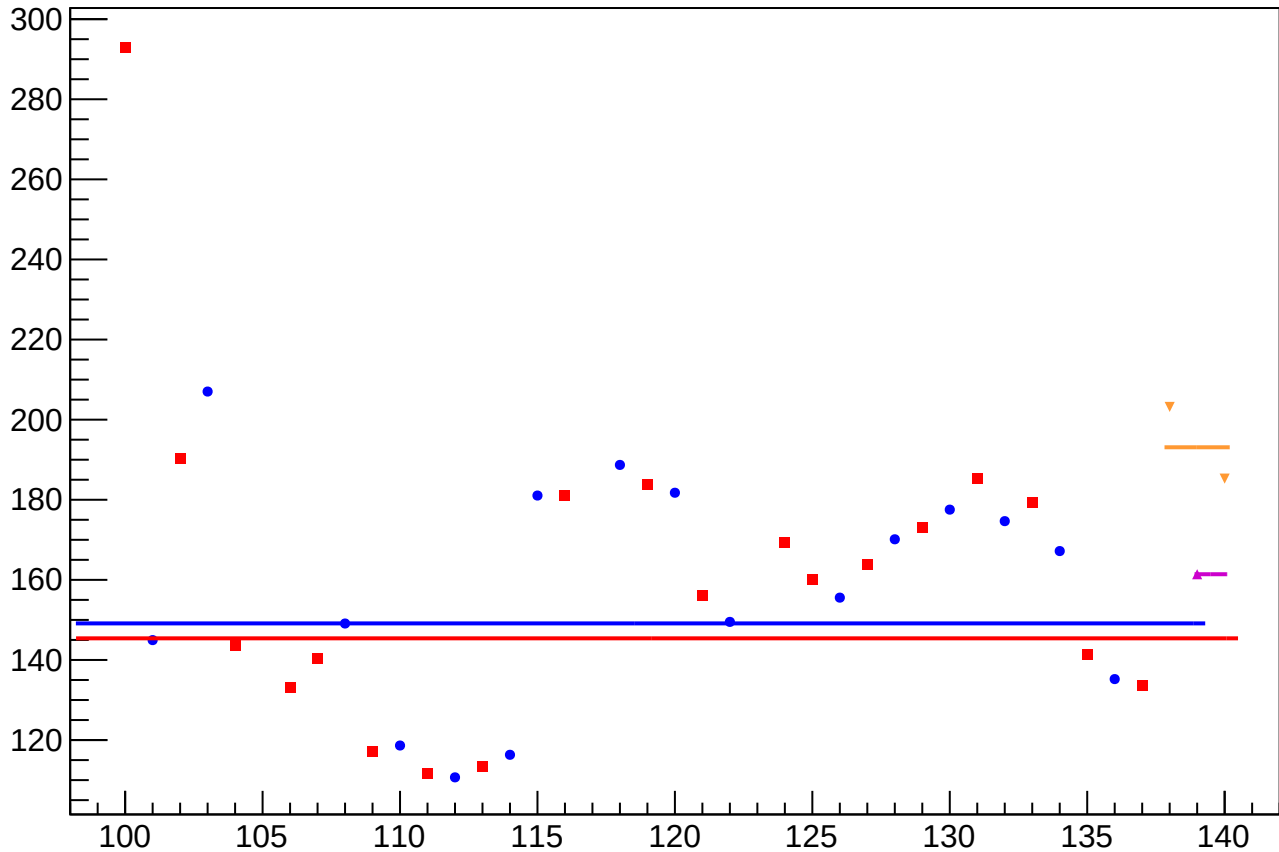
Left In: -30.097 ± 177.050 χ^2/NDF : 0.0/0

+ sign -35.904 ± 53.265 χ^2/NDF : 12.9/17

All: -44.197 ± 37.318 χ^2/NDF : 32.5/37

- sign -52.193 ± 52.300 χ^2/NDF : 19.5/19

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF : 451003.6/15

Left Out: 193.105+/-0.109 χ^2/NDF : 6589.0/1

Right Out: 145.399+/-0.039 χ^2/NDF : 525820.0/18

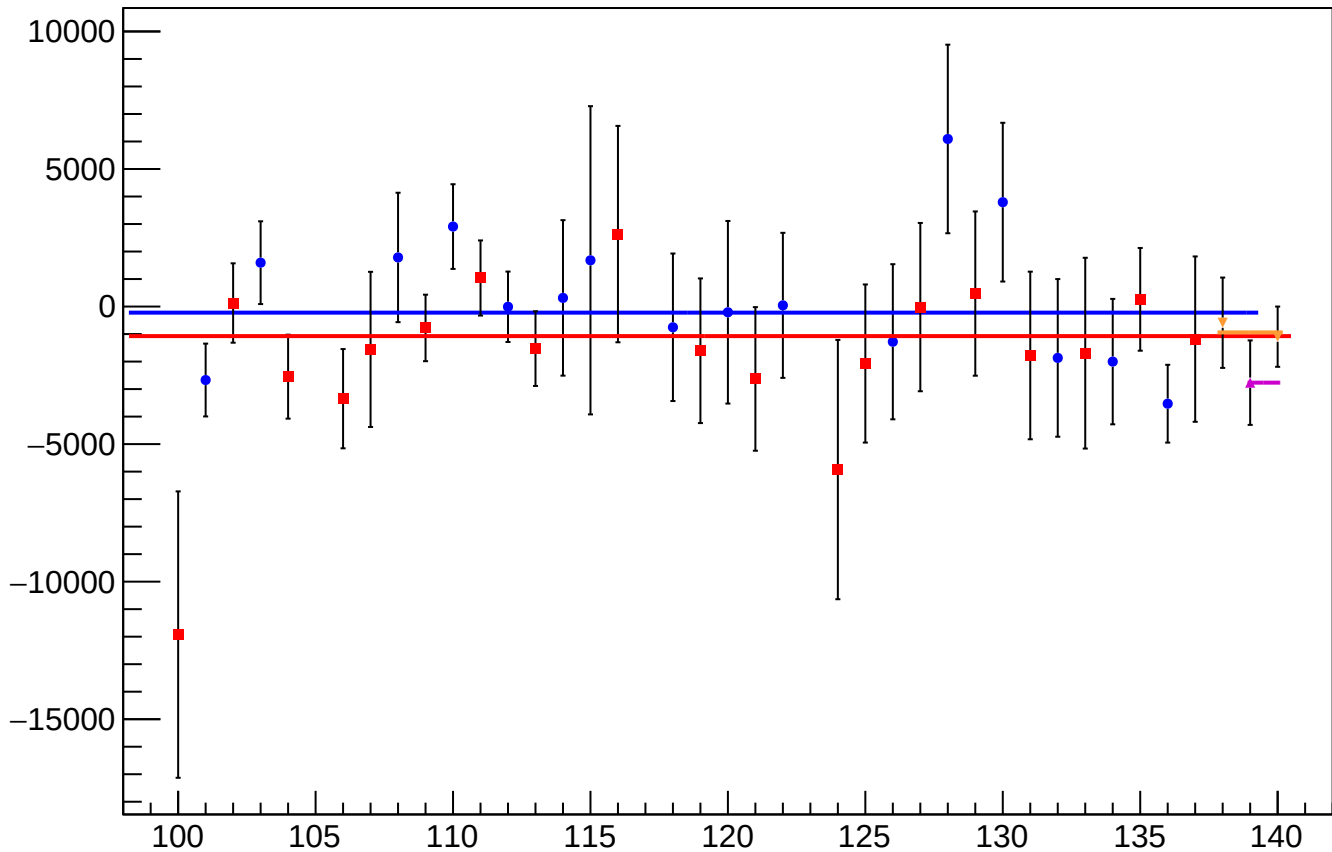
Left In: 161.406+/-0.125 χ^2/NDF : 0.0/0

+ sign 154.343+/-0.038 χ^2/NDF : 600029.6/17

All: 150.500+/-0.026 χ^2/NDF : 1161213.9/37

- sign 146.796+/-0.037 χ^2/NDF : 540740.8/19

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF : 21.9/15

Left Out: -939.418+/-911.113 χ^2/NDF : 0.1/1

Right Out: -1074.433+/-472.816 χ^2/NDF : 13.6/18

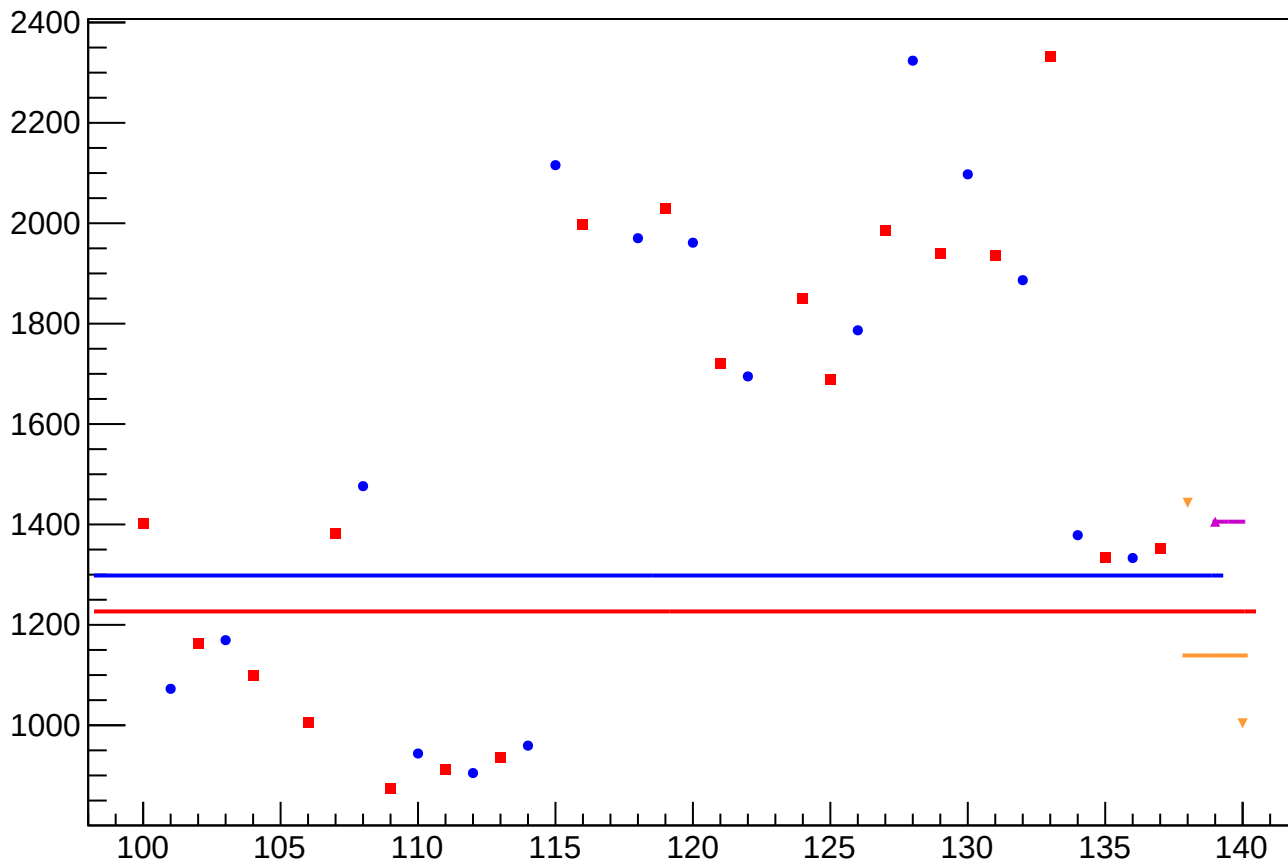
Left In: -2766.370+/-1535.259 χ^2/NDF : 0.0/0

+ sign -390.636+/-442.494 χ^2/NDF : 22.4/17

All: -797.114+/-316.154 χ^2/NDF : 38.8/37

- sign -1221.006+/-451.872 χ^2/NDF : 14.7/19

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF : 1182123.0/15

Left Out: 1138.989+/-0.644 χ^2/NDF : 99122.8/1

Right Out: 1226.729+/-0.334 χ^2/NDF : 1404521.7/18

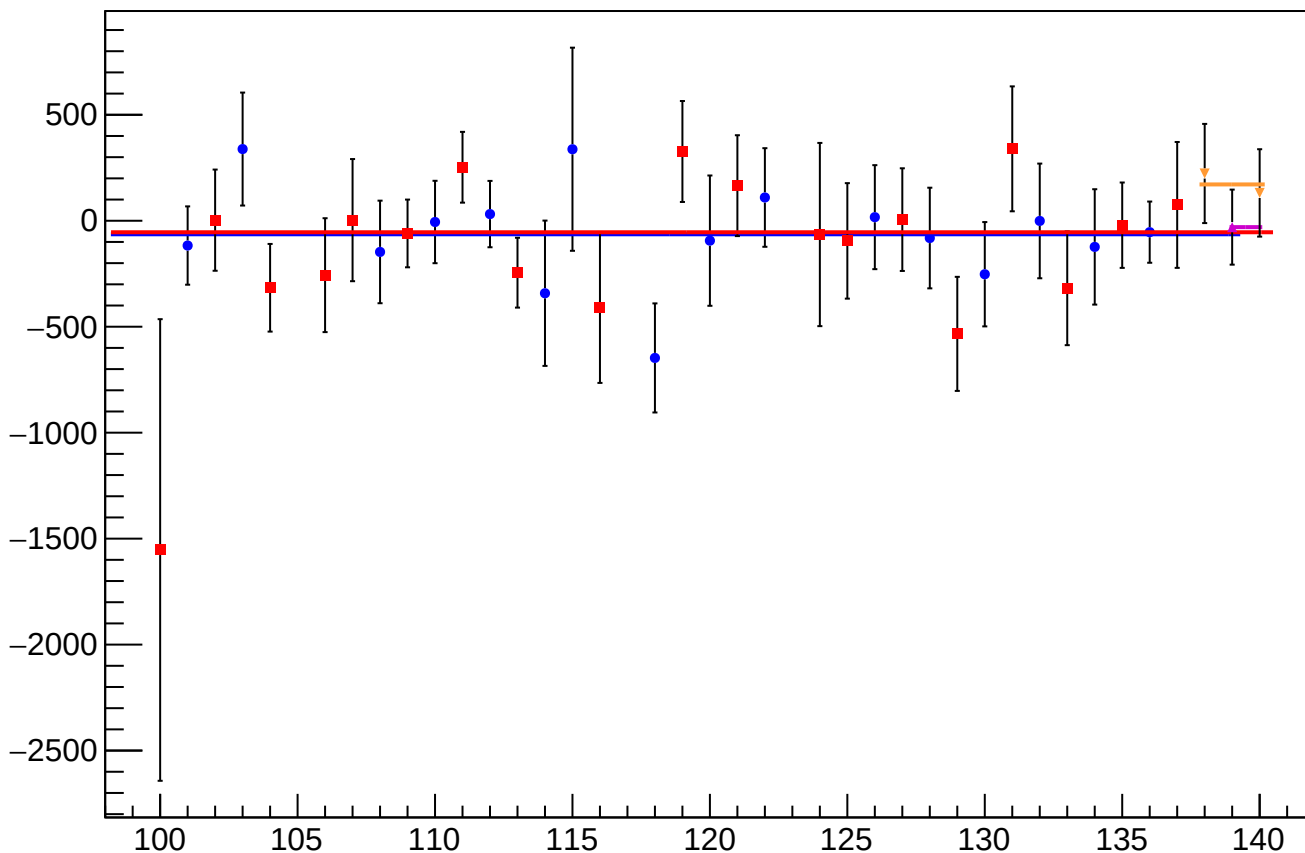
Left In: 1405.510+/-1.086 χ^2/NDF : 0.0/0

+ sign 1260.718+/-0.313 χ^2/NDF : 1327966.3/17

All: 1251.661+/-0.224 χ^2/NDF : 2758971.4/37

- sign 1242.216+/-0.320 χ^2/NDF : 1429293.4/19

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778 ± 56.734 χ^2/NDF : 10.8/15

Left Out: 171.398 ± 154.707 χ^2/NDF : 0.1/1

Right Out: -54.304 ± 54.743 χ^2/NDF : 19.5/18

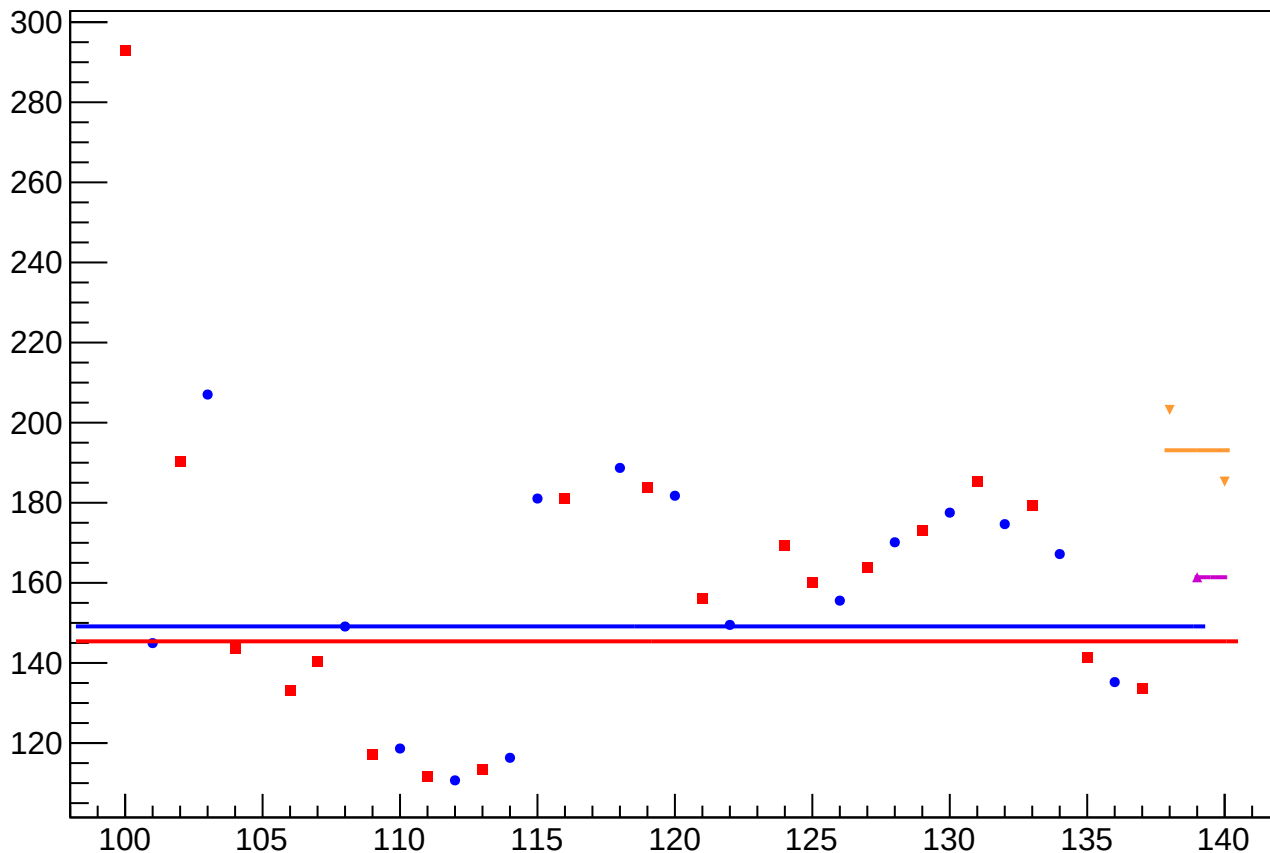
Left In: -30.091 ± 177.050 χ^2/NDF : 0.0/0

+ sign -35.901 ± 53.265 χ^2/NDF : 12.9/17

All: -44.195 ± 37.318 χ^2/NDF : 32.5/37

- sign -52.191 ± 52.300 χ^2/NDF : 19.5/19

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130 $\pm$ 0.040 χ^2 /NDF: 451005.1/15

Left Out: 193.105 $\pm$ 0.109 χ^2 /NDF: 6588.3/1

Right Out: 145.399 $\pm$ 0.039 χ^2 /NDF: 525822.2/18

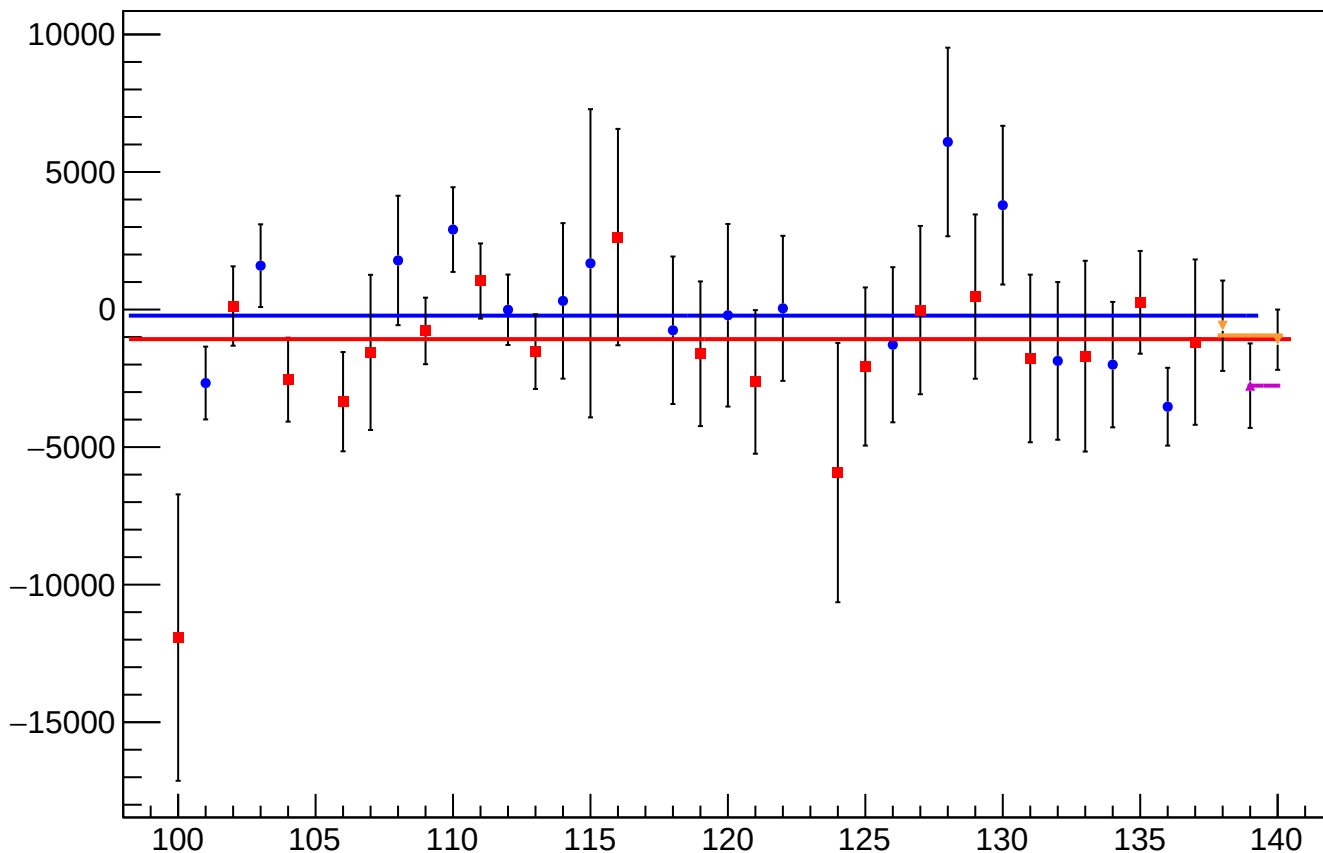
Left In: 161.406 $\pm$ 0.125 χ^2 /NDF: 0.0/0

+ sign 154.343 $\pm$ 0.038 χ^2 /NDF: 600030.4/17

All: 150.500 $\pm$ 0.026 χ^2 /NDF: 1161216.7/37

- sign 146.796 $\pm$ 0.037 χ^2 /NDF: 540742.5/19

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF : 21.9/15

Left Out: -939.416+/-911.111 χ^2/NDF : 0.1/1

Right Out: -1074.432+/-472.816 χ^2/NDF : 13.6/18

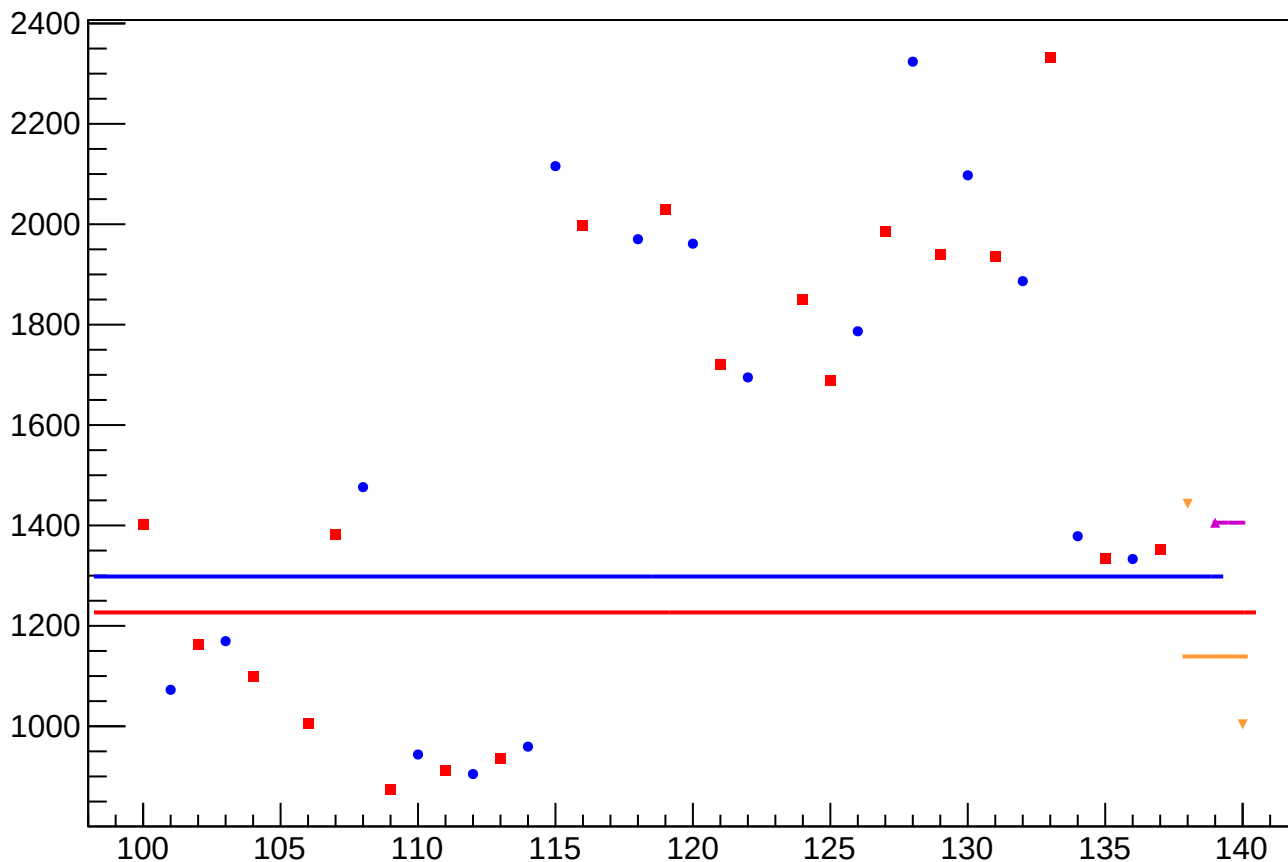
Left In: -2766.371+/-1535.257 χ^2/NDF : 0.0/0

+ sign -390.635+/-442.493 χ^2/NDF : 22.4/17

All: -797.113+/-316.154 χ^2/NDF : 38.8/37

- sign -1221.004+/-451.872 χ^2/NDF : 14.7/19

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF : 1182127.2/15

Left Out: 1138.986+/-0.644 χ^2/NDF : 99122.6/1

Right Out: 1226.727+/-0.334 χ^2/NDF : 1404524.7/18

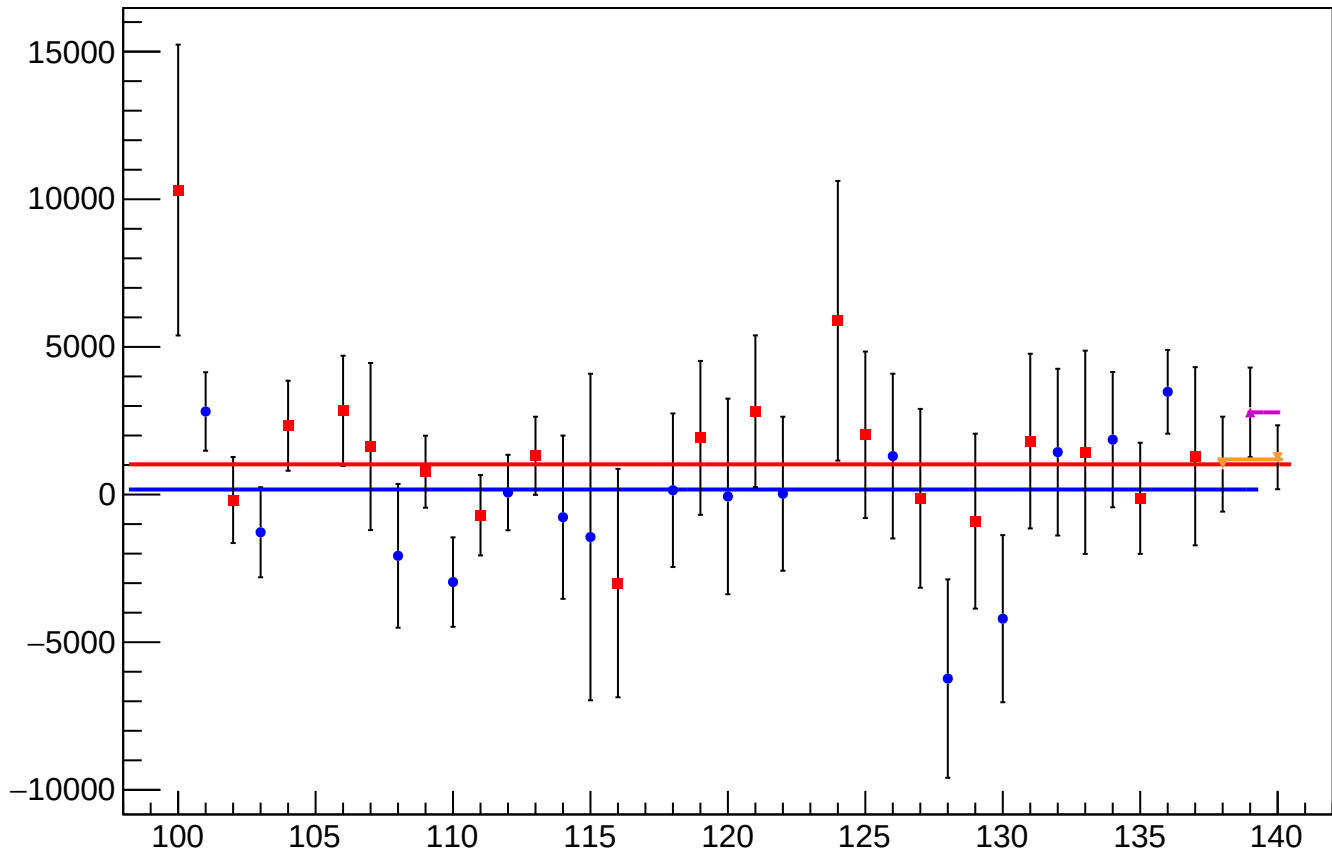
Left In: 1405.508+/-1.086 χ^2/NDF : 0.0/0

+ sign 1260.716+/-0.313 χ^2/NDF : 1327971.6/17

All: 1251.660+/-0.224 χ^2/NDF : 2758979.5/37

- sign 1242.215+/-0.320 χ^2/NDF : 1429296.4/19

asym_sam_48_avg_mean vs Slug



Right In: 171.056 $\pm$ 505.136 χ^2 /NDF: 22.6/15

Left Out: 1190.621 $\pm$ 897.773 χ^2 /NDF: 0.0/1

Right Out: 1023.699 $\pm$ 472.008 χ^2 /NDF: 11.6/18

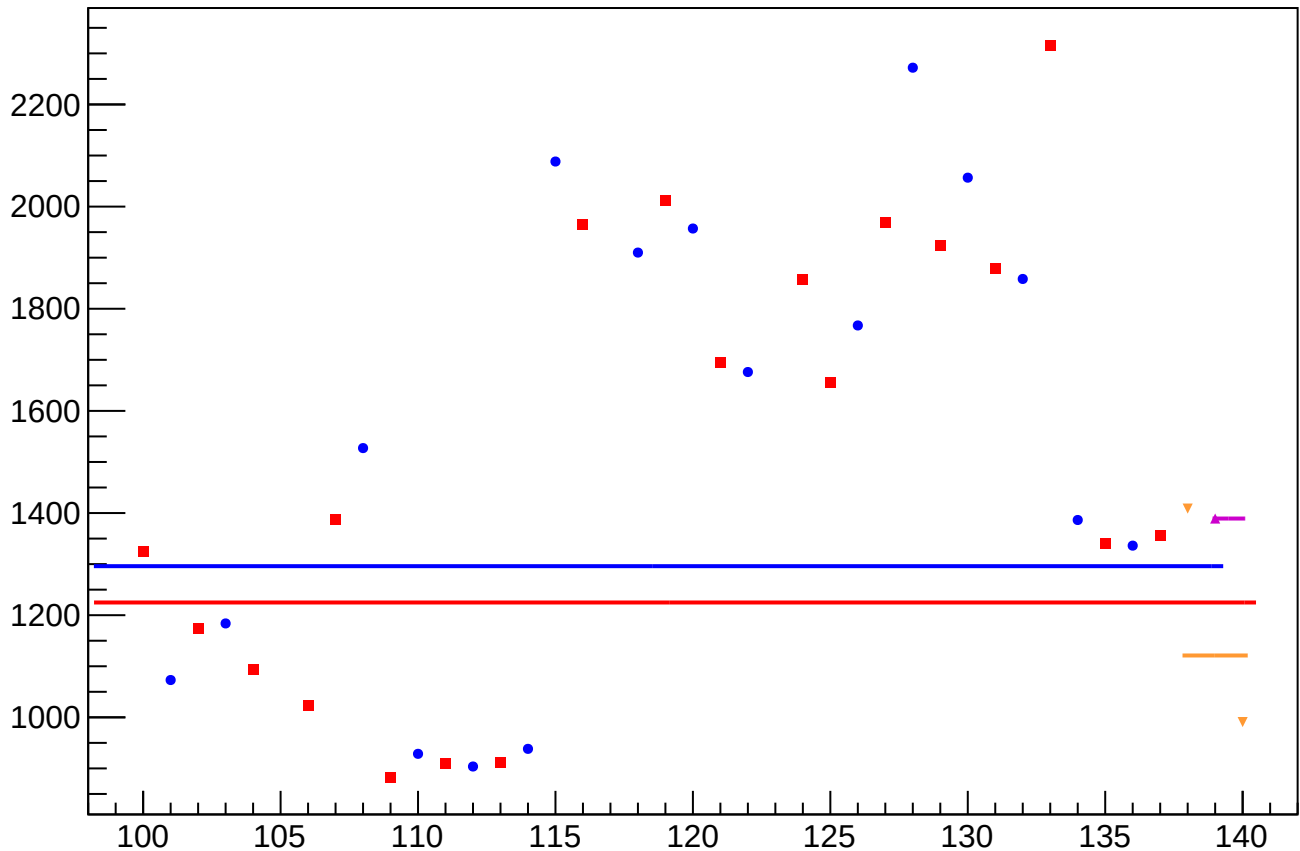
Left In: 2783.464 $\pm$ 1516.966 χ^2 /NDF: 0.0/0

+ sign 416.217 $\pm$ 440.235 χ^2 /NDF: 23.6/17

All: 788.671 $\pm$ 314.926 χ^2 /NDF: 37.8/37

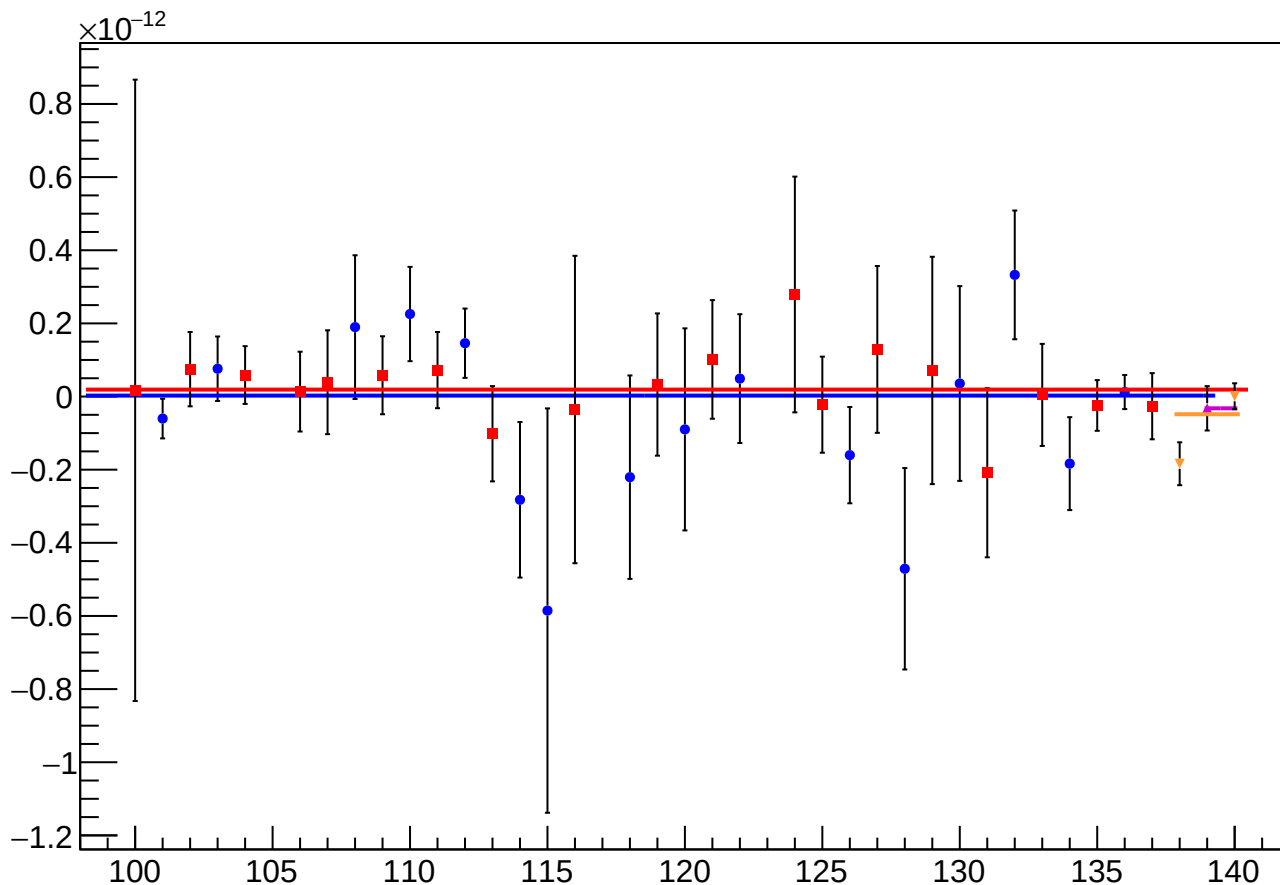
- sign 1179.033 $\pm$ 450.695 χ^2 /NDF: 12.8/19

asym_sam_48_avg_rms vs Slug

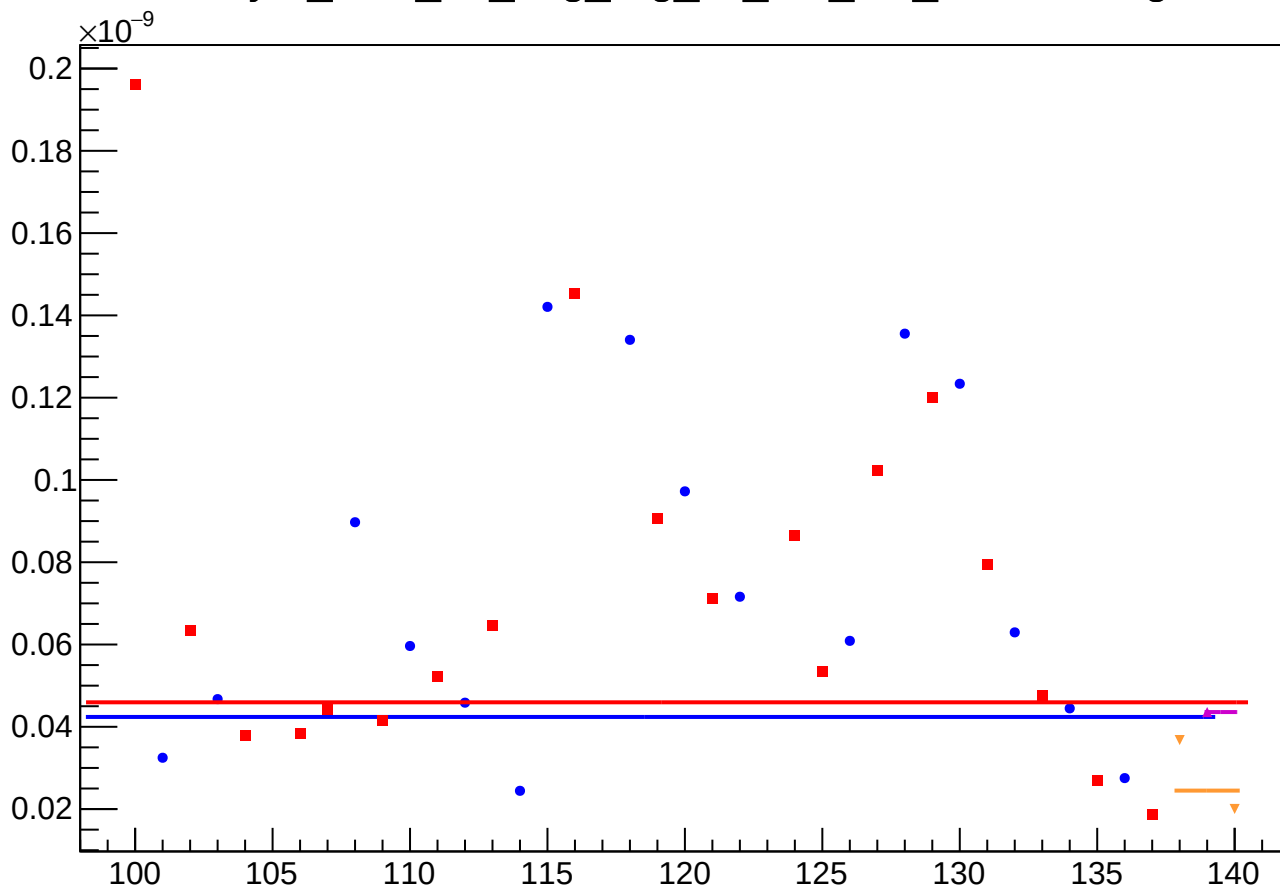


Right In: 1295.987+/-0.357 χ^2/NDF : 1154185.9/15
 Left Out: 1121.112+/-0.635 χ^2/NDF : 93038.0/1
 Right Out: 1224.872+/-0.334 χ^2/NDF : 1371285.2/18
 Left In: 1389.249+/-1.073 χ^2/NDF : 0.0/0
 + sign 1253.937+/-0.311 χ^2/NDF : 1304861.2/17
 All: 1246.830+/-0.223 χ^2/NDF : 2698624.5/37
 - sign 1239.381+/-0.319 χ^2/NDF : 1392695.7/19

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :119611.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1118551.4/18

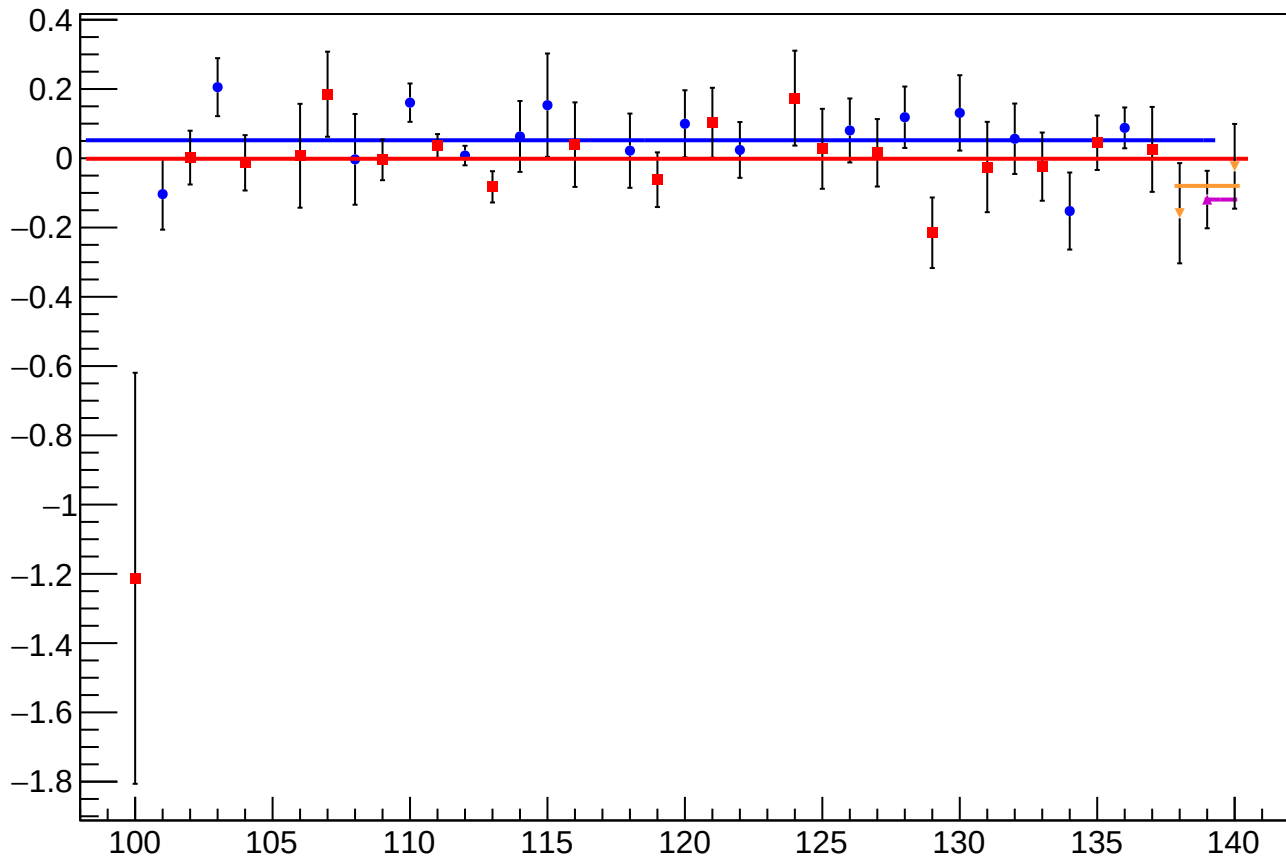
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1852552.2/17

All: 0.000+/-0.000 χ^2/NDF : 3196705.4/37

- sign 0.000+/-0.000 χ^2/NDF : 1121038.7/19

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2 /NDF: 18.0/15

Left Out: -0.080 $\pm$ 0.093 χ^2 /NDF: 0.5/1

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

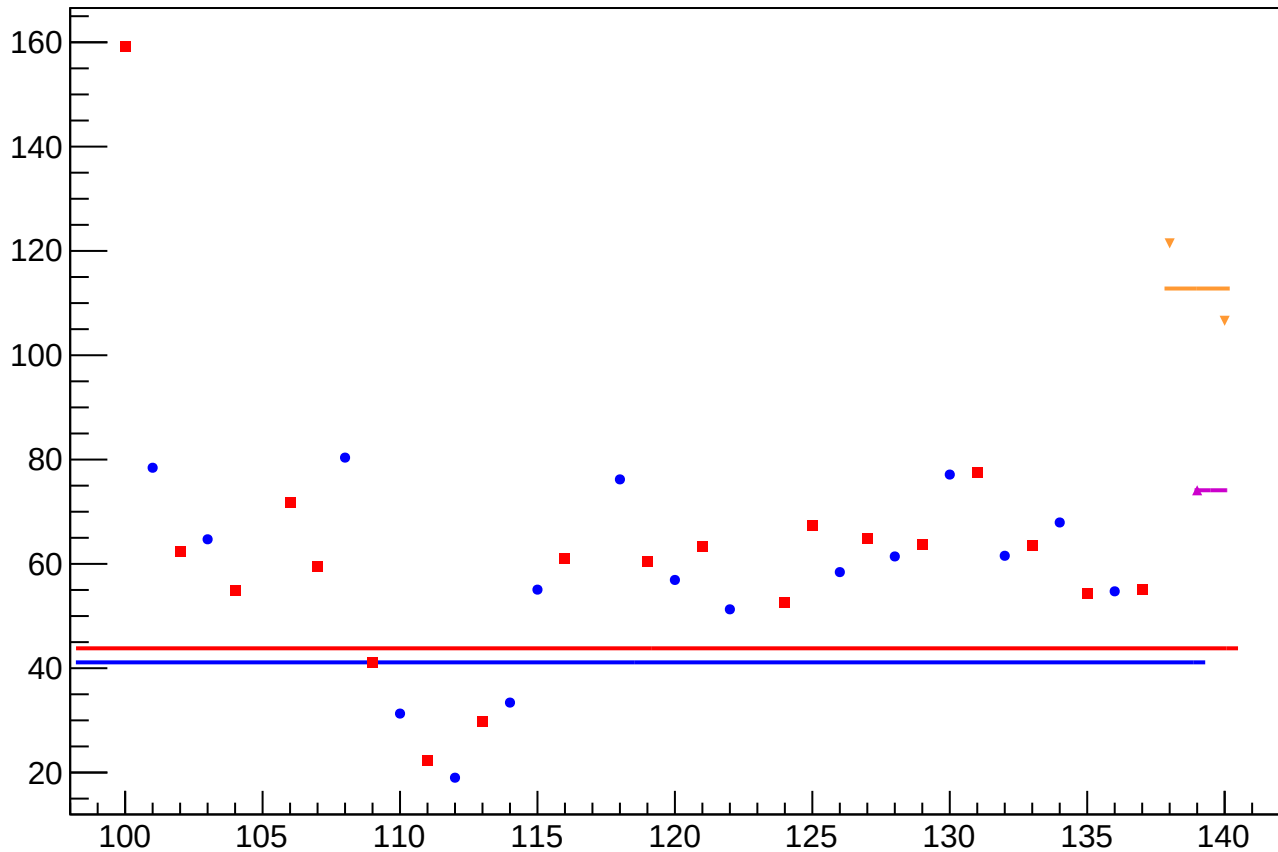
Left In: -0.119 $\pm$ 0.083 χ^2 /NDF: 0.0/0

+ sign 0.047 $\pm$ 0.017 χ^2 /NDF: 20.4/17

All: 0.020 $\pm$ 0.012 χ^2 /NDF: 46.3/37

- sign -0.007 $\pm$ 0.018 χ^2 /NDF: 21.2/19

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120 $\pm$ 0.013 χ^2/NDF : 2925302.3/15

Left Out: 112.792 $\pm$ 0.066 χ^2/NDF : 12275.3/1

Right Out: 43.813 $\pm$ 0.013 χ^2/NDF : 2048452.0/18

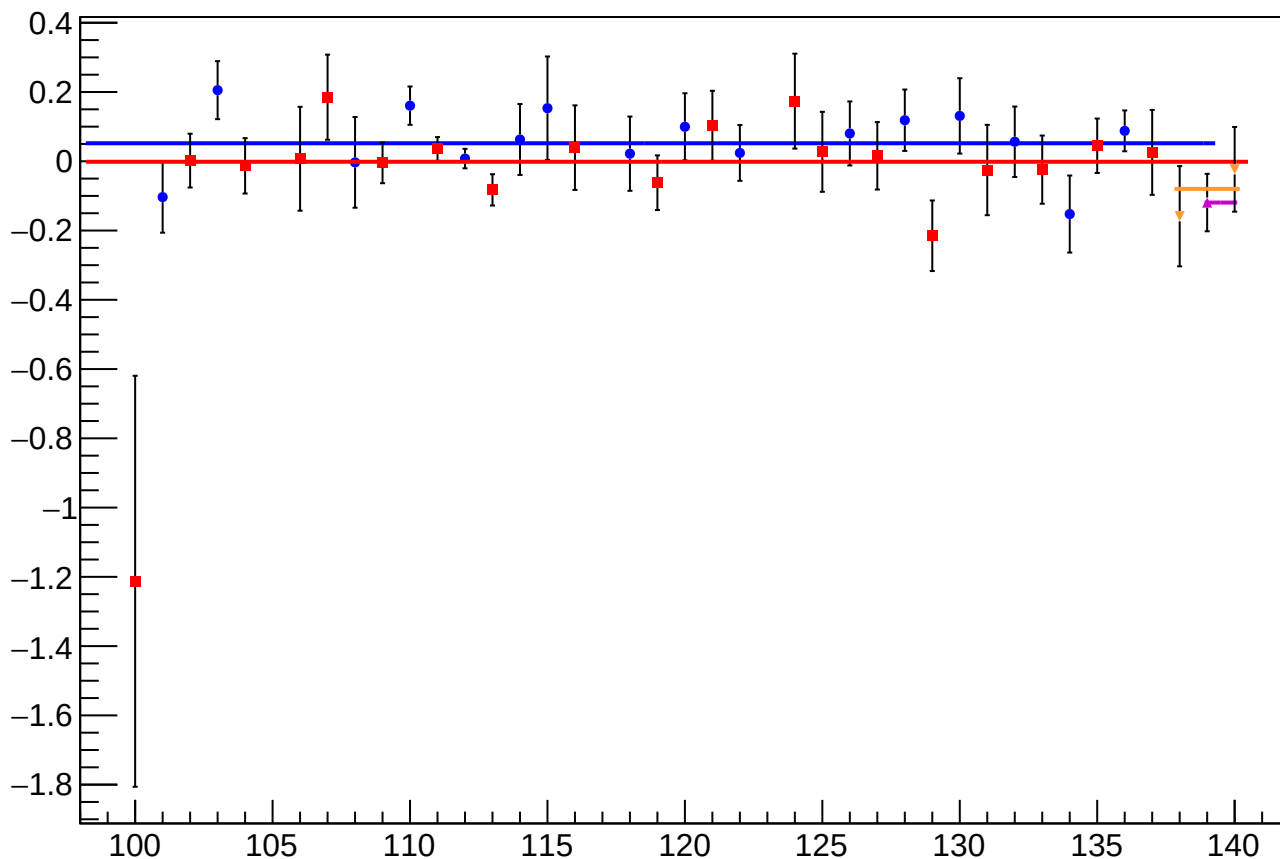
Left In: 74.114 $\pm$ 0.059 χ^2/NDF : 0.0/0

+ sign 43.624 $\pm$ 0.012 χ^2/NDF : 4073710.0/17

All: 44.391 $\pm$ 0.009 χ^2/NDF : 6384673.8/37

- sign 45.164 $\pm$ 0.012 χ^2/NDF : 2303202.5/19

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2 /NDF: 18.0/15

Left Out: -0.080 $\pm$ 0.093 χ^2 /NDF: 0.5/1

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

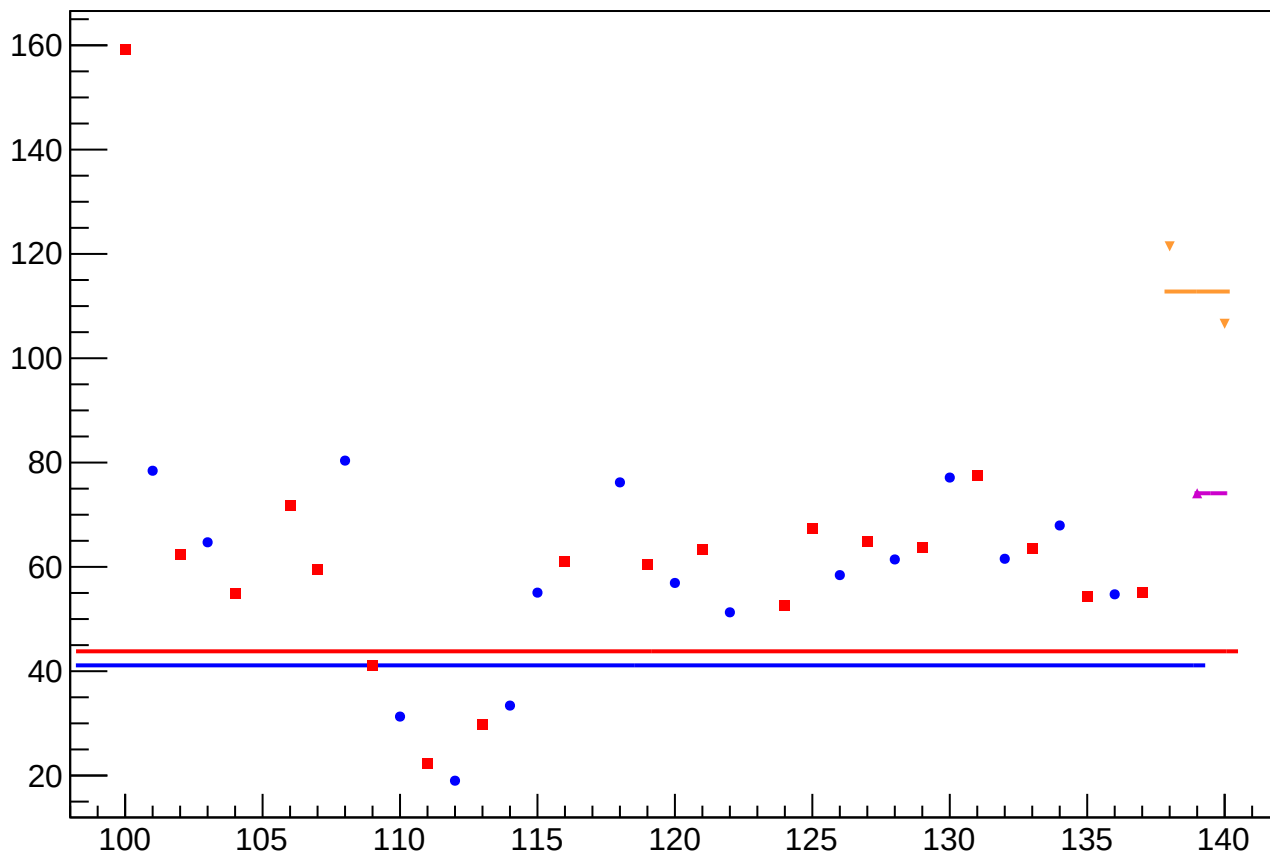
Left In: -0.119 $\pm$ 0.083 χ^2 /NDF: 0.0/0

+ sign 0.047 $\pm$ 0.017 χ^2 /NDF: 20.4/17

All: 0.020 $\pm$ 0.012 χ^2 /NDF: 46.3/37

- sign -0.007 $\pm$ 0.018 χ^2 /NDF: 21.2/19

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: 112.792+/-0.066 χ^2/NDF : 12275.3/1

Right Out: 43.813+/-0.013 χ^2/NDF : 2048452.0/18

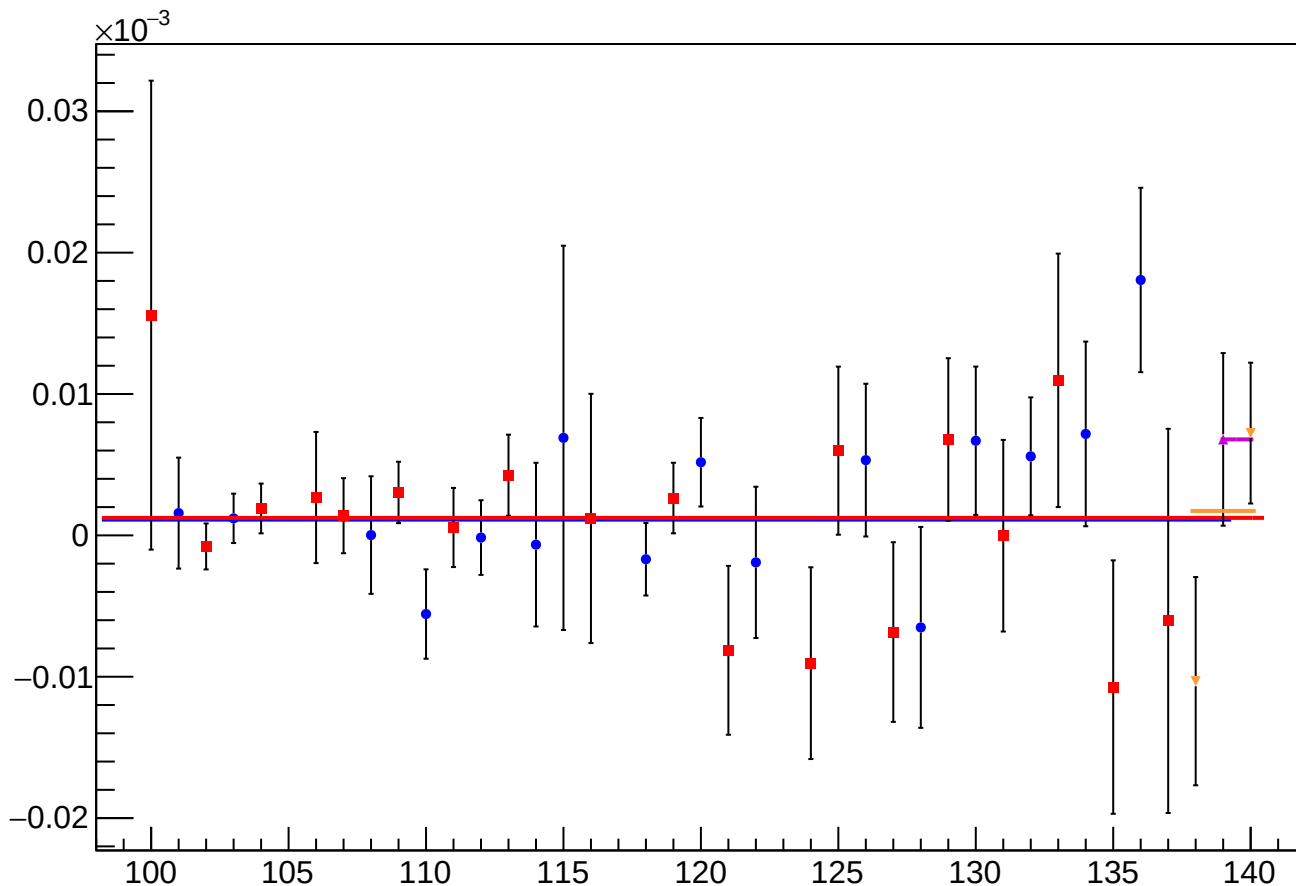
Left In: 74.114+/-0.059 χ^2/NDF : 0.0/0

+ sign 43.624+/-0.012 χ^2/NDF : 4073710.0/17

All: 44.391+/-0.009 χ^2/NDF : 6384673.8/37

- sign 45.164+/-0.012 χ^2/NDF : 2303202.5/19

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

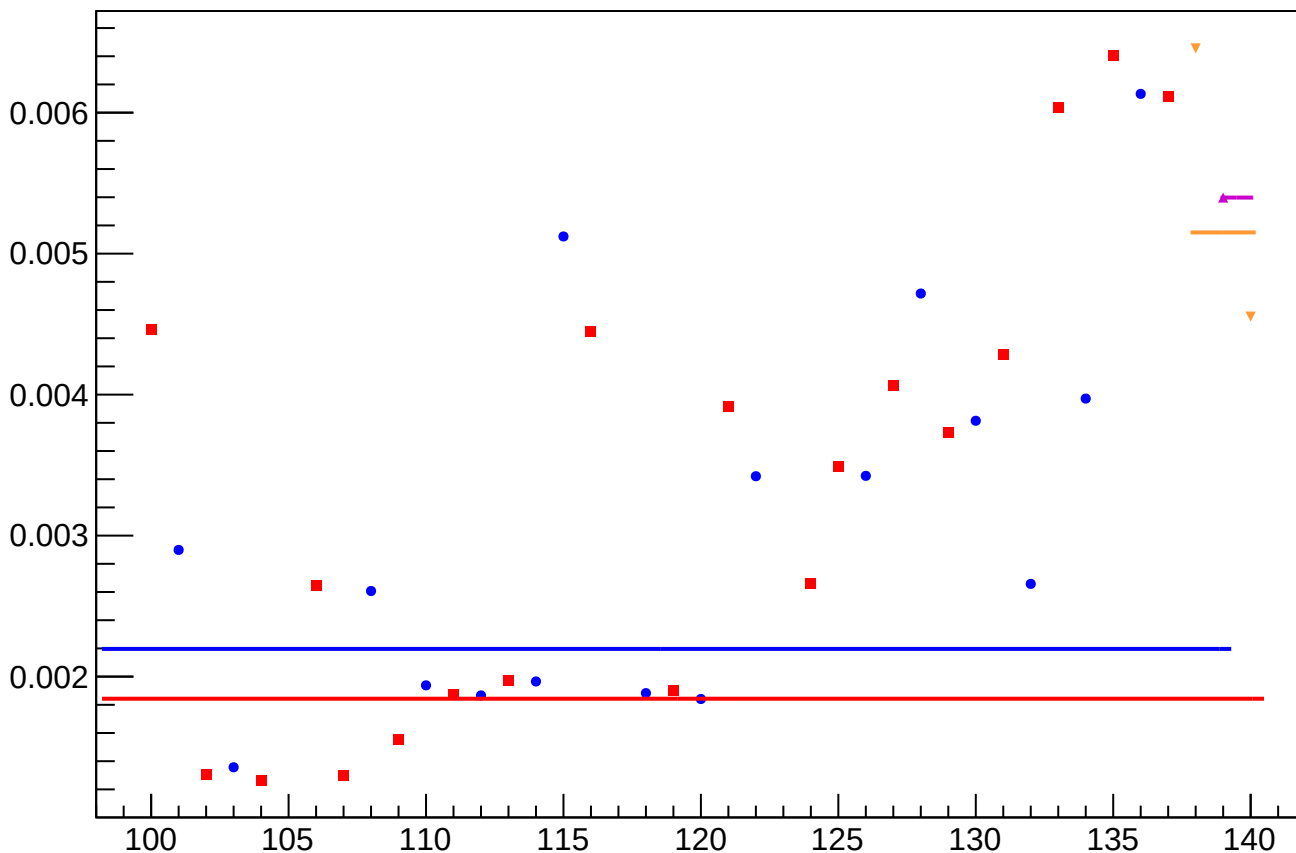
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/19

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2292909.6/15

Left Out: 0.005+/-0.000 χ^2/NDF : 91574.4/1

Right Out: 0.002+/-0.000 χ^2/NDF : 3137598.0/18

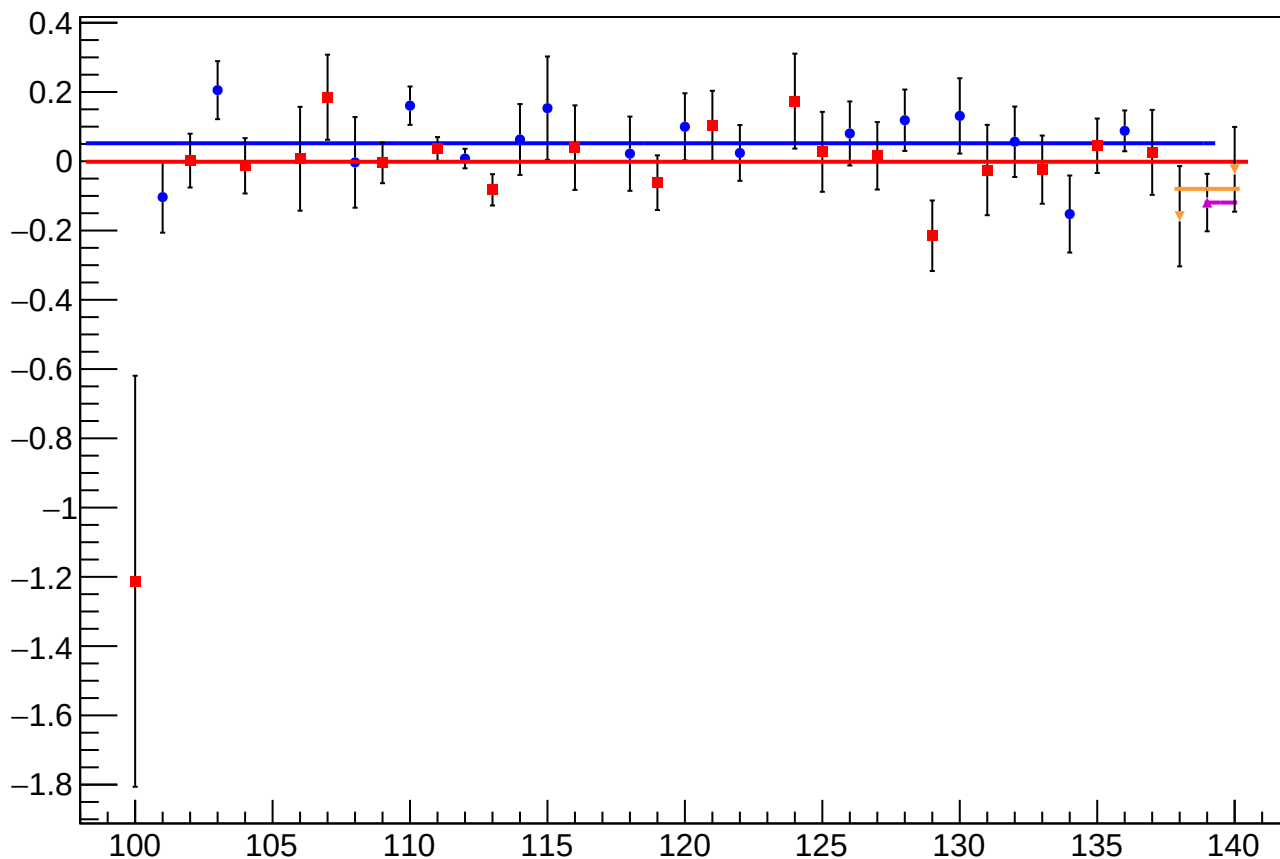
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 3362460.5/17

All: 0.002+/-0.000 χ^2/NDF : 7445488.4/37

- sign 0.002+/-0.000 χ^2/NDF : 3805012.9/19

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2 /NDF: 18.0/15

Left Out: -0.080 $\pm$ 0.093 χ^2 /NDF: 0.5/1

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

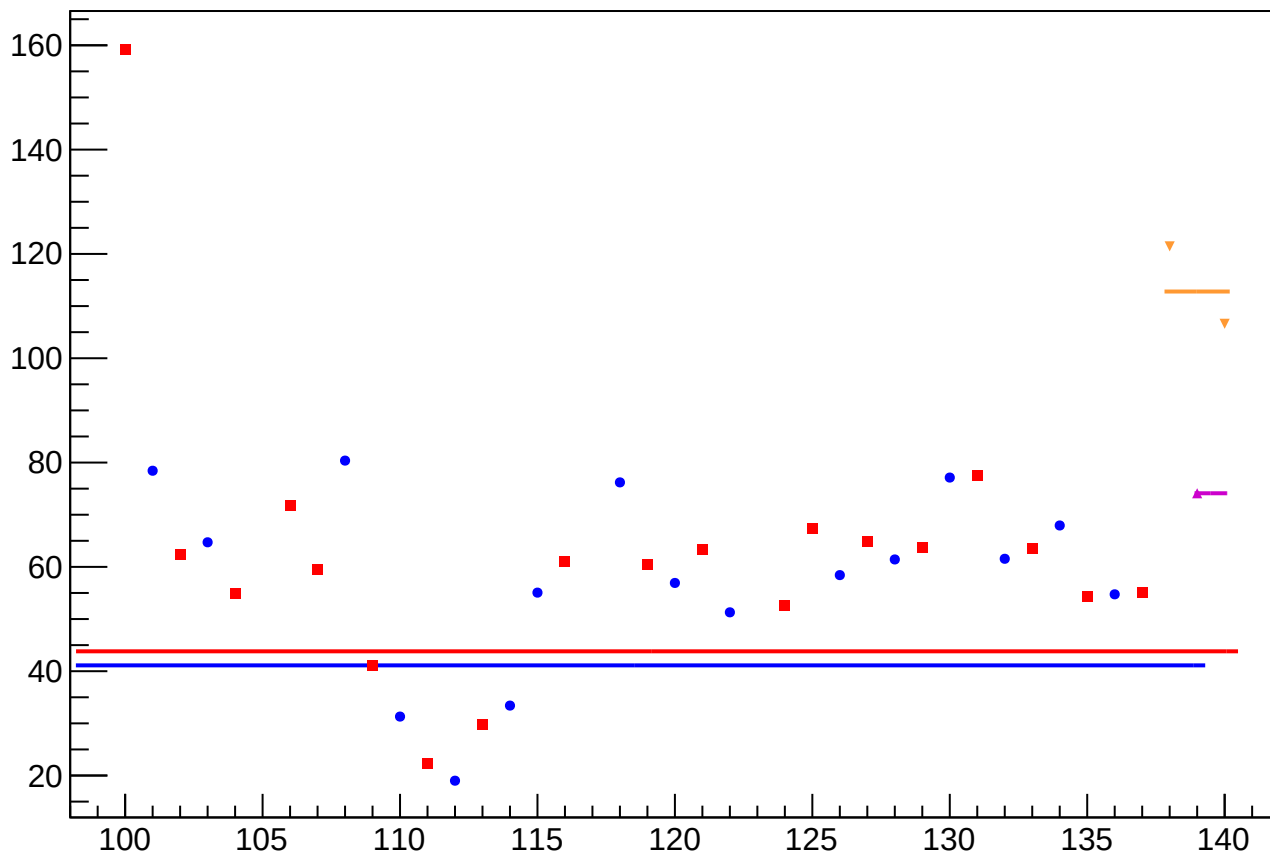
Left In: -0.119 $\pm$ 0.083 χ^2 /NDF: 0.0/0

+ sign 0.047 $\pm$ 0.017 χ^2 /NDF: 20.4/17

All: 0.020 $\pm$ 0.012 χ^2 /NDF: 46.3/37

- sign -0.007 $\pm$ 0.018 χ^2 /NDF: 21.2/19

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119 $\pm$ 0.013 χ^2 /NDF: 2925464.8/15

Left Out: 112.792 $\pm$ 0.066 χ^2 /NDF: 12271.8/1

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048627.9/18

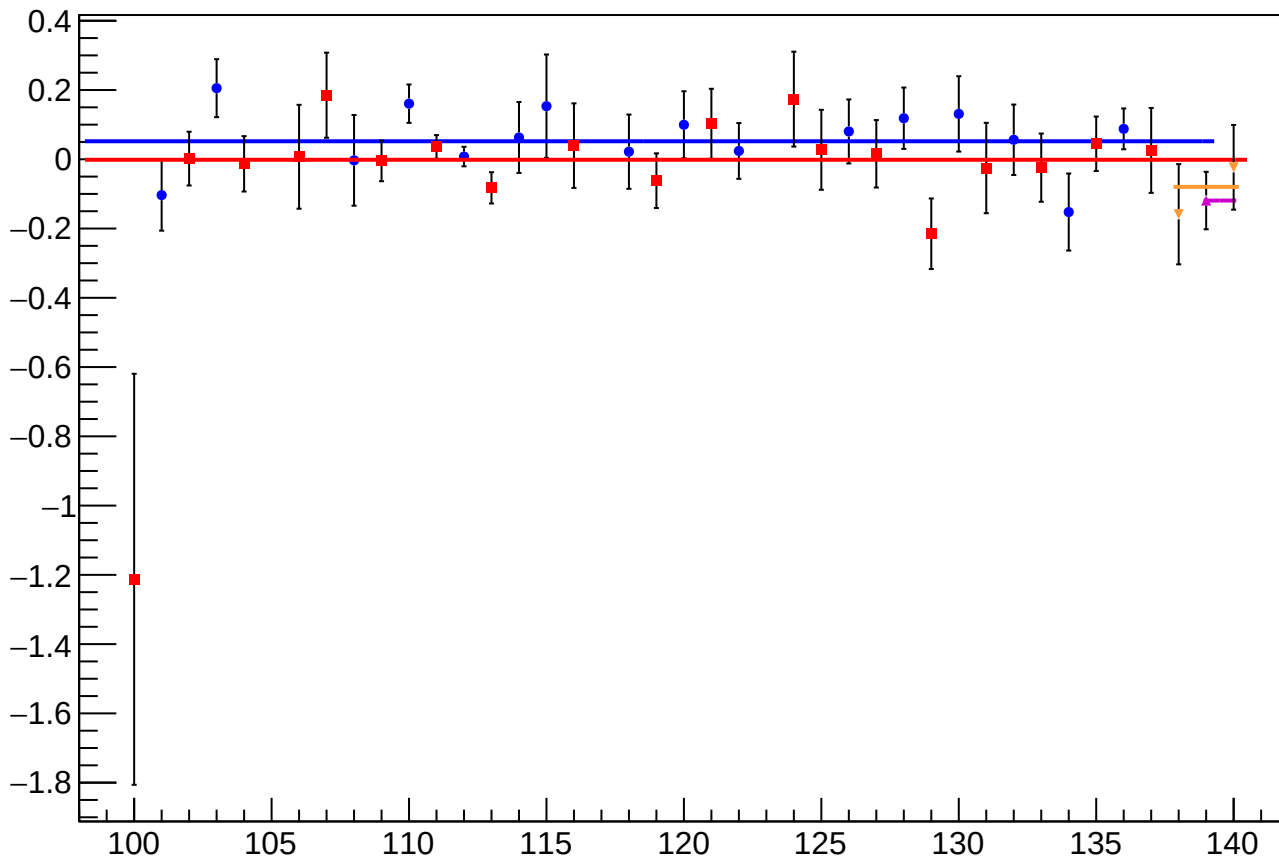
Left In: 74.114 $\pm$ 0.059 χ^2 /NDF: 0.0/0

+ sign 43.623 $\pm$ 0.012 χ^2 /NDF: 4073898.9/17

All: 44.390 $\pm$ 0.009 χ^2 /NDF: 6385045.5/37

- sign 45.164 $\pm$ 0.012 χ^2 /NDF: 2303384.5/19

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 χ^2/NDF : 18.0/15

Left Out: -0.080 ± 0.093 χ^2/NDF : 0.5/1

Right Out: -0.001 ± 0.018 χ^2/NDF : 19.2/18

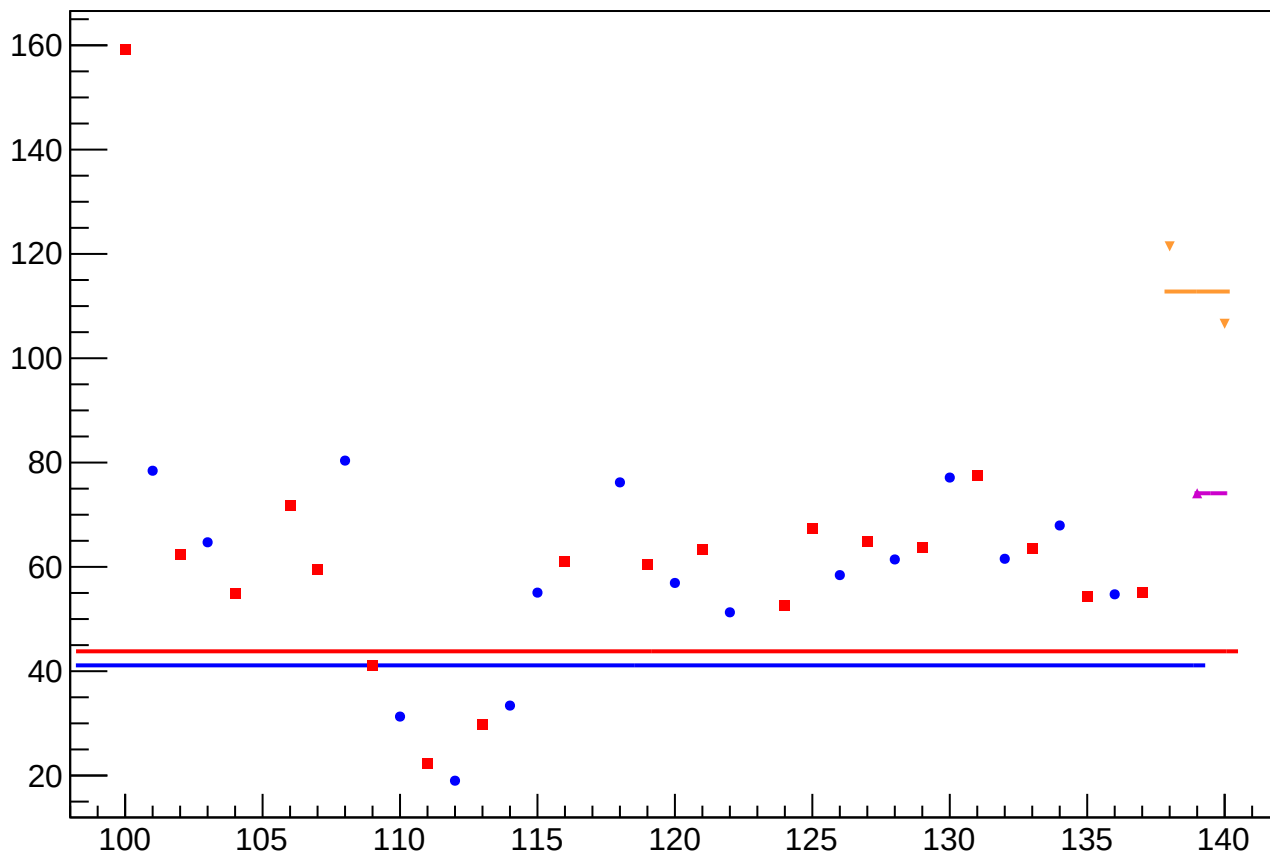
Left In: -0.119 ± 0.083 χ^2/NDF : 0.0/0

+ sign 0.047 ± 0.017 χ^2/NDF : 20.4/17

All: 0.020 ± 0.012 χ^2/NDF : 46.3/37

- sign -0.007 ± 0.018 χ^2/NDF : 21.2/19

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.119 $\pm$ 0.013 χ^2 /NDF: 2925464.8/15

Left Out: 112.792 $\pm$ 0.066 χ^2 /NDF:12271.8/1

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048627.9/18

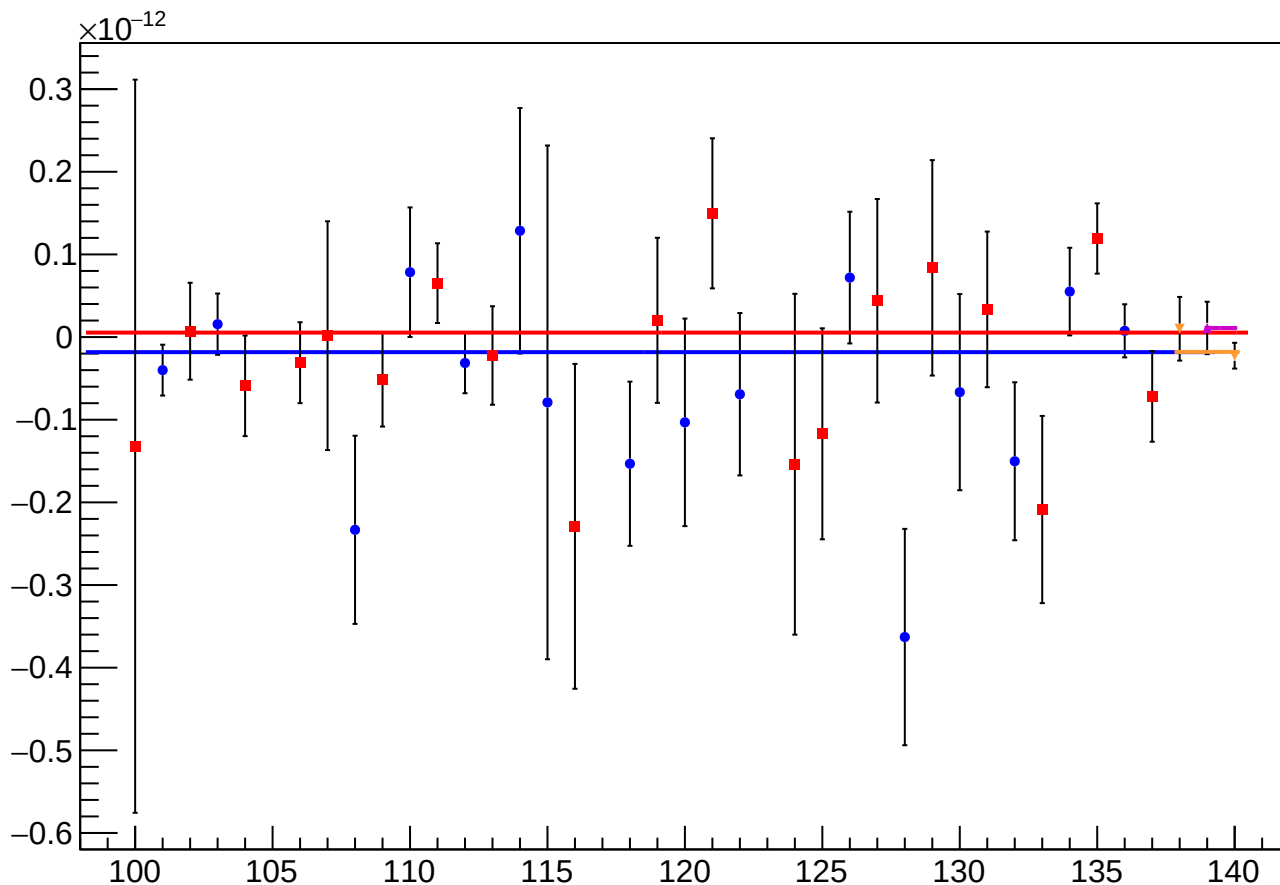
Left In: 74.114 $\pm$ 0.059 χ^2 /NDF:0.0/0

+ sign 43.623 $\pm$ 0.012 χ^2 /NDF: 4073898.9/17

All: 44.390 $\pm$ 0.009 χ^2 /NDF: 6385045.5/37

- sign 45.164 $\pm$ 0.012 χ^2 /NDF: 2303384.5/19

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 23.3/18

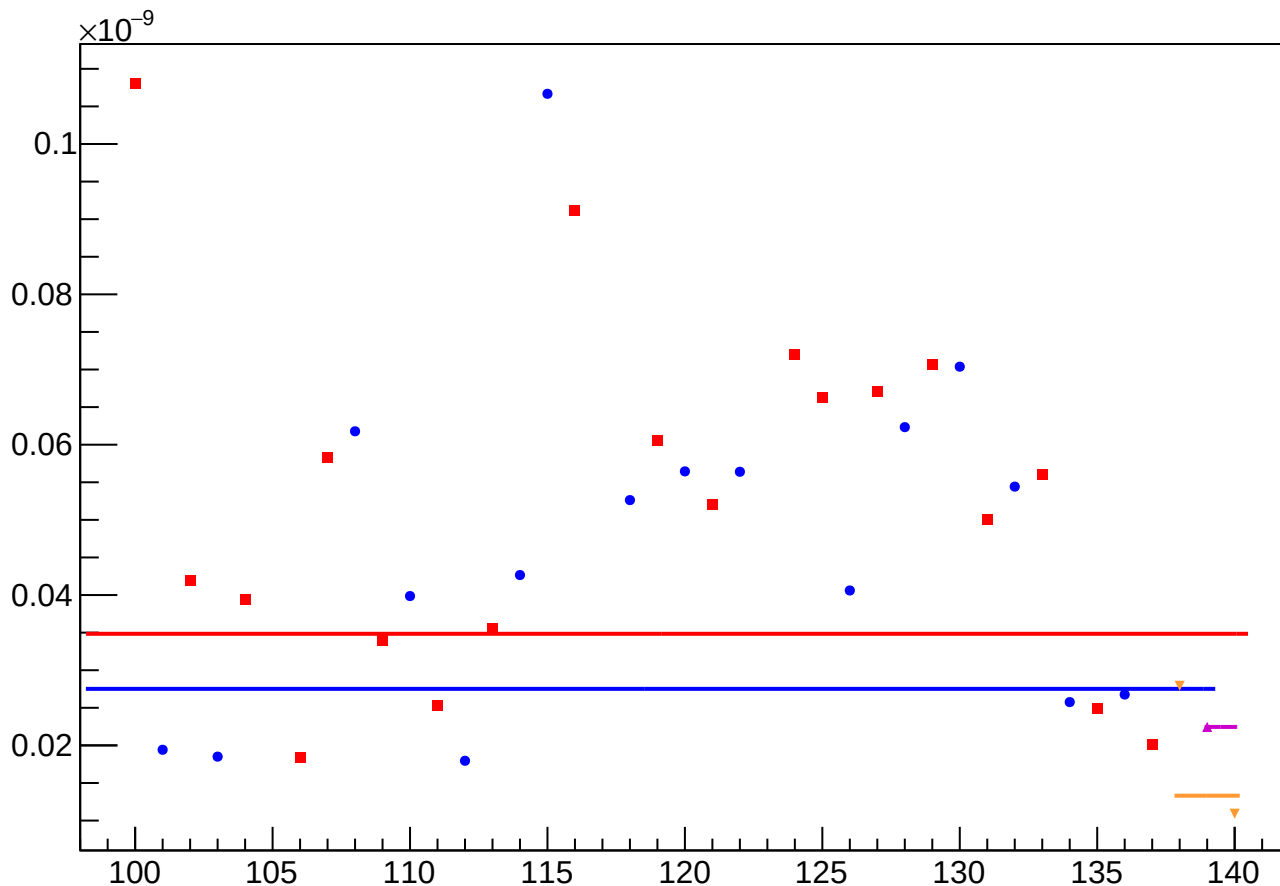
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 23.6/17

All: -0.000+/-0.000 χ^2/NDF : 48.8/37

- sign 0.000+/-0.000 χ^2/NDF : 23.3/19

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1799776.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:335405.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1676246.7/18

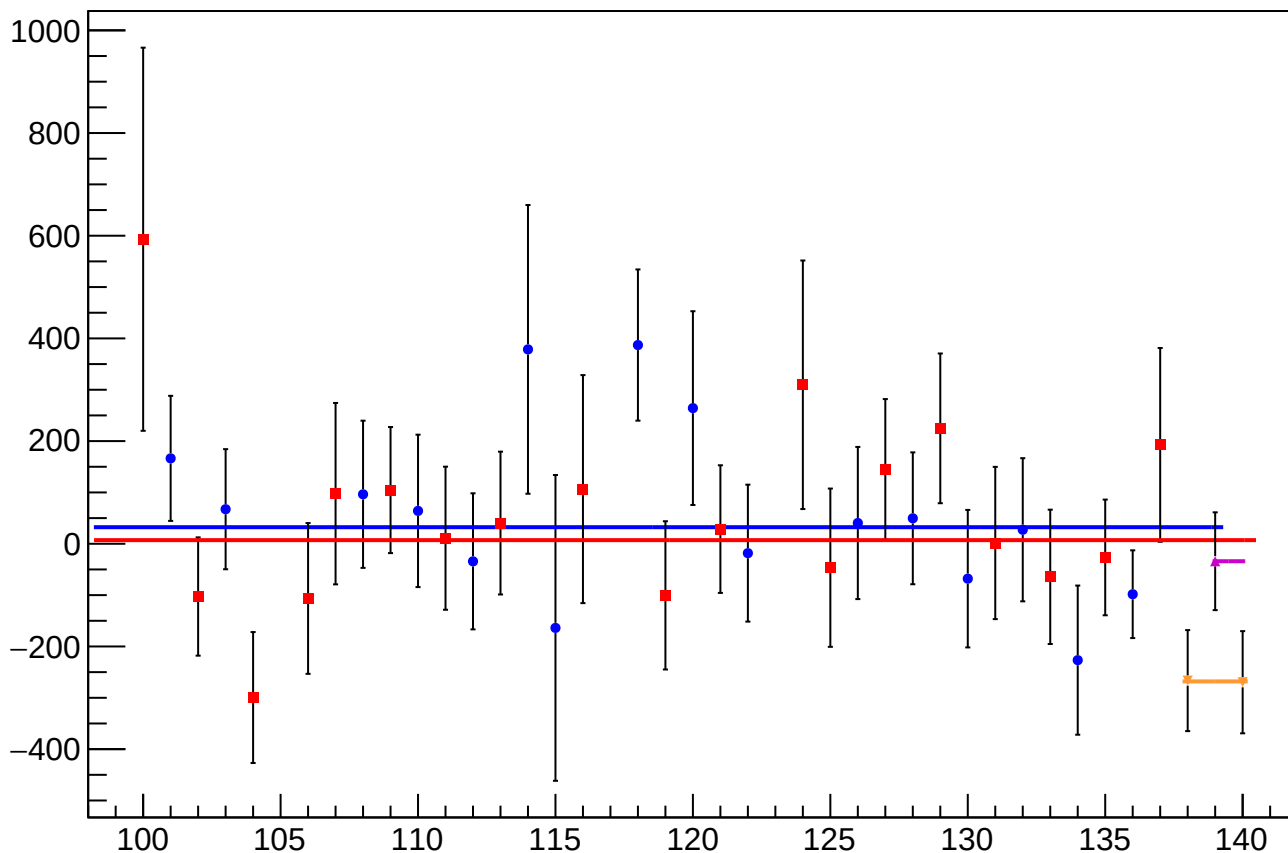
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3104851.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5872953.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1915344.2/19

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF : 17.3/15

Left Out: -268.069+/-69.956 χ^2/NDF : 0.0/1

Right Out: 7.070+/-33.420 χ^2/NDF : 17.8/18

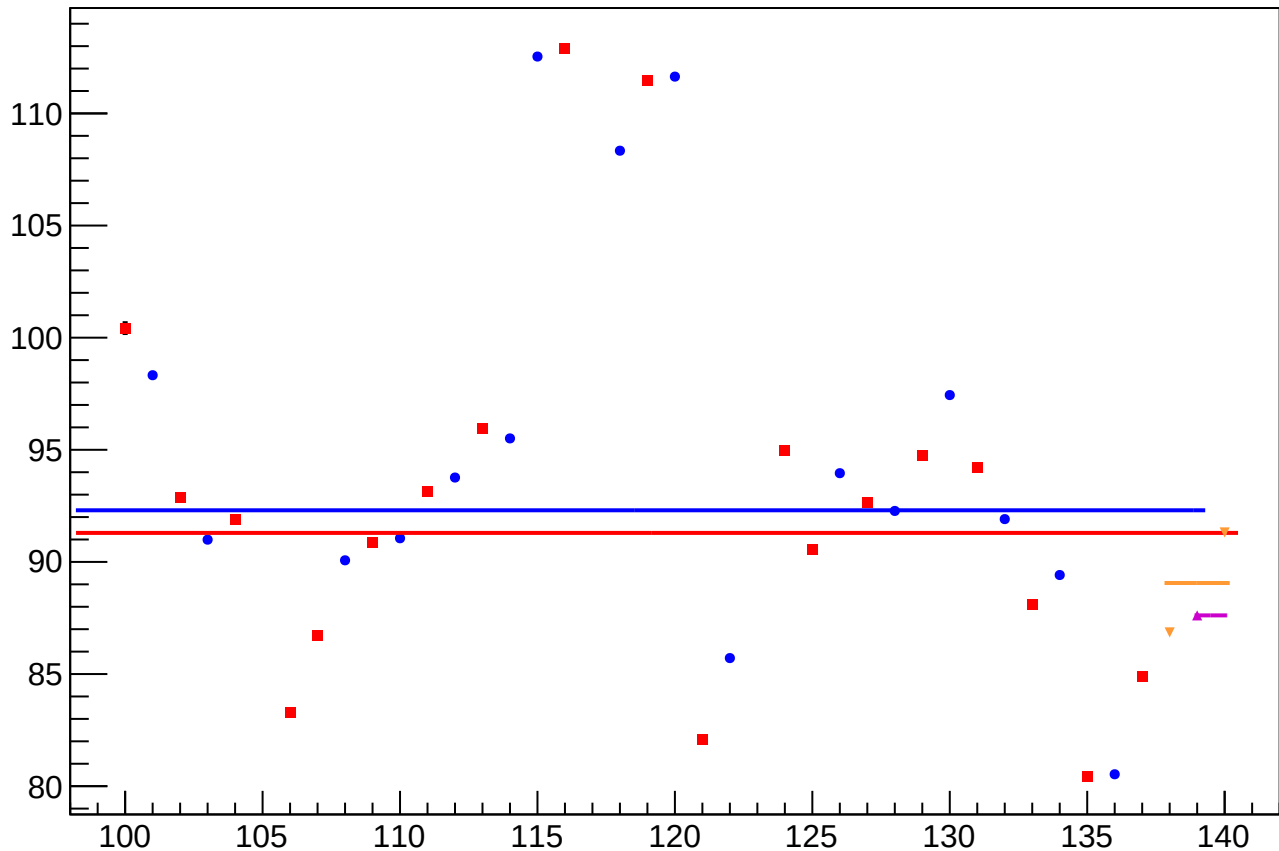
Left In: -33.994+/-95.248 χ^2/NDF : 0.0/0

+ sign -26.269+/-30.890 χ^2/NDF : 32.1/17

All: -12.148+/-22.067 χ^2/NDF : 50.5/37

- sign 2.569+/-31.535 χ^2/NDF : 17.9/19

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 89.060 $\pm$ 0.049 χ^2 /NDF: 2030.2/1

Right Out: 91.294 $\pm$ 0.024 χ^2 /NDF: 105096.6/18

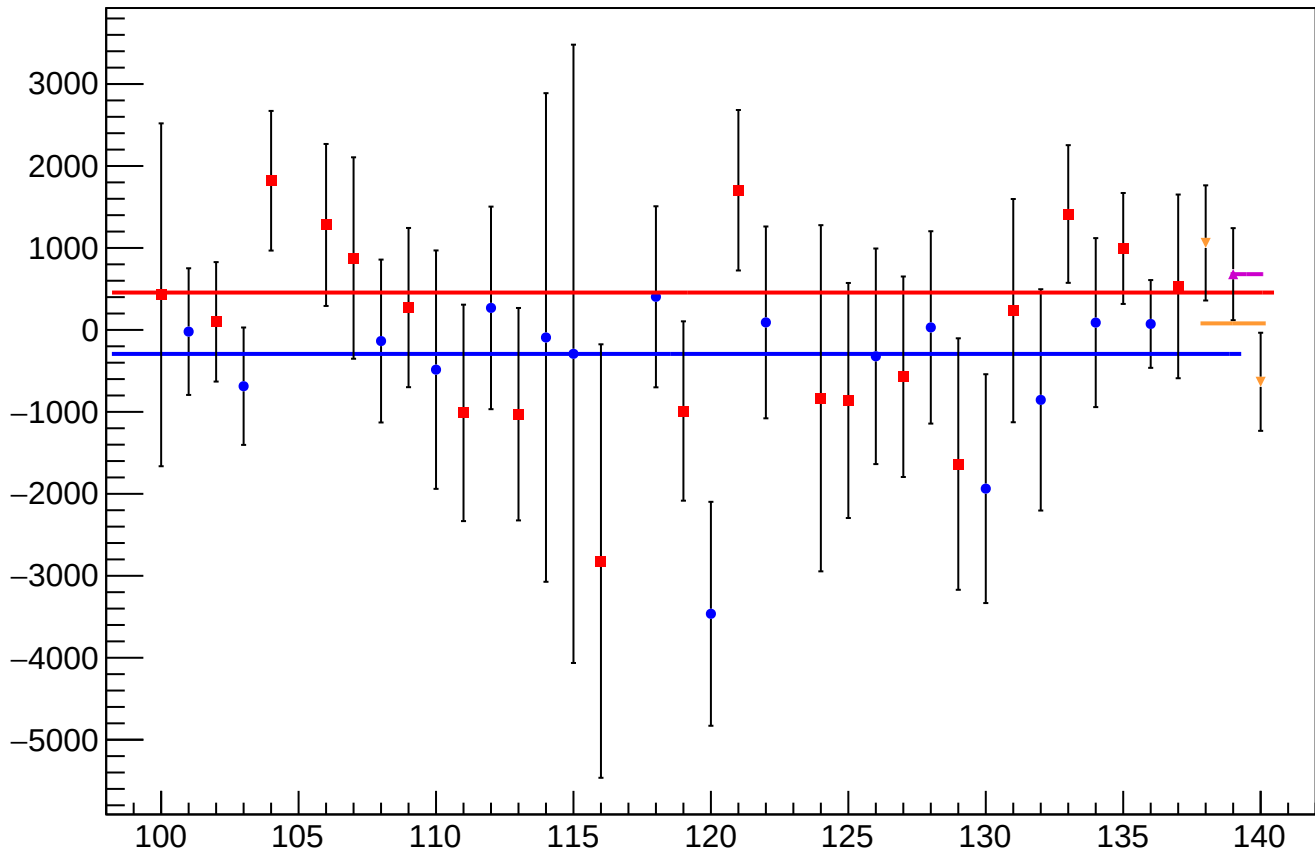
Left In: 87.616 $\pm$ 0.067 χ^2 /NDF: 0.0/0

+ sign 91.670 $\pm$ 0.022 χ^2 /NDF: 112554.6/17

All: 91.288 $\pm$ 0.016 χ^2 /NDF: 220930.1/37

- sign 90.891 $\pm$ 0.022 χ^2 /NDF: 107751.6/19

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756 ± 259.692 χ^2/NDF : 8.8/15

Left Out: 79.653 ± 455.582 χ^2/NDF : 3.4/1

Right Out: 455.830 ± 248.717 χ^2/NDF : 16.9/18

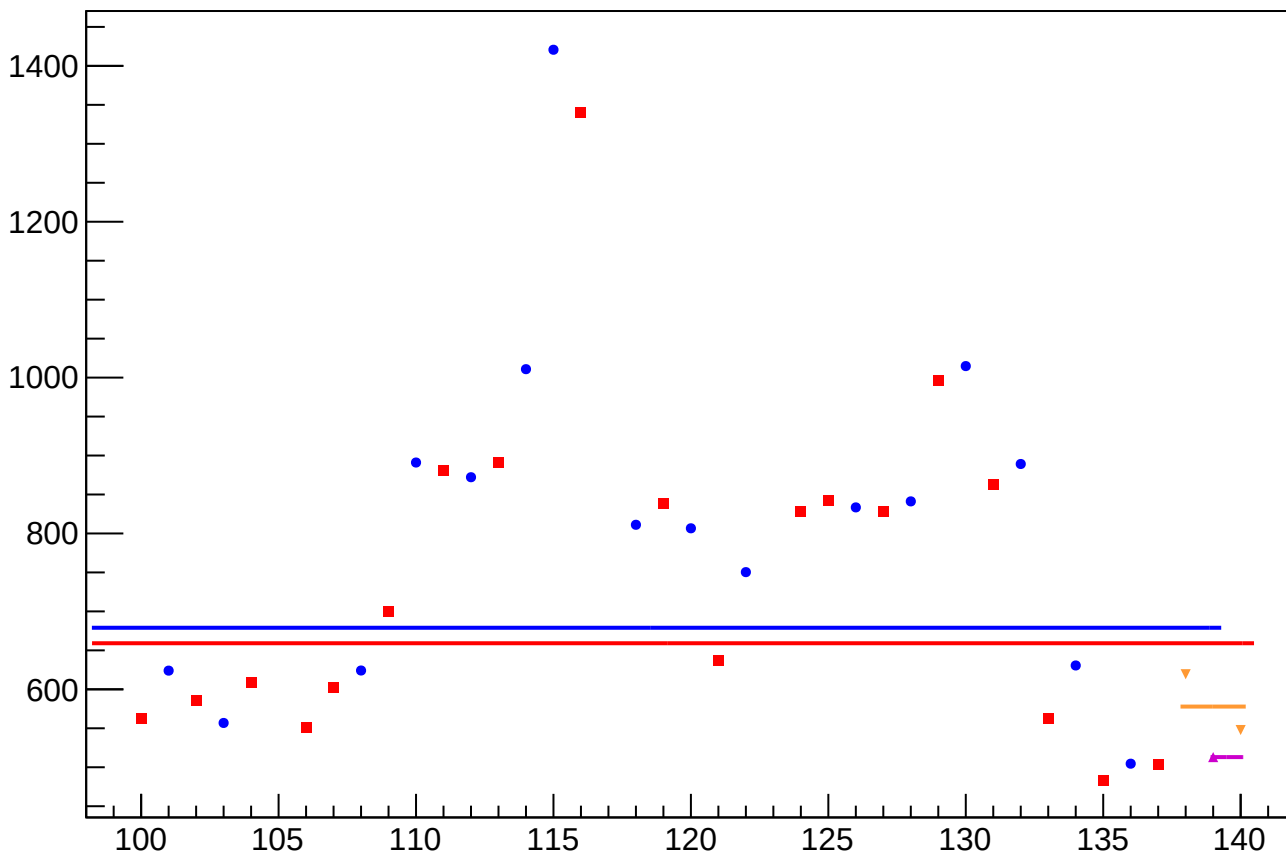
Left In: 680.263 ± 561.516 χ^2/NDF : 0.0/0

+ sign -201.426 ± 225.613 χ^2/NDF : 12.7/17

All: 142.858 ± 160.163 χ^2/NDF : 34.4/37

- sign 492.640 ± 227.407 χ^2/NDF : 17.0/19

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2 /NDF: 767983.3/15

Left Out: 577.871 $\pm$ 0.322 χ^2 /NDF:12037.6/1

Right Out: 659.133 $\pm$ 0.176 χ^2 /NDF: 795877.7/18

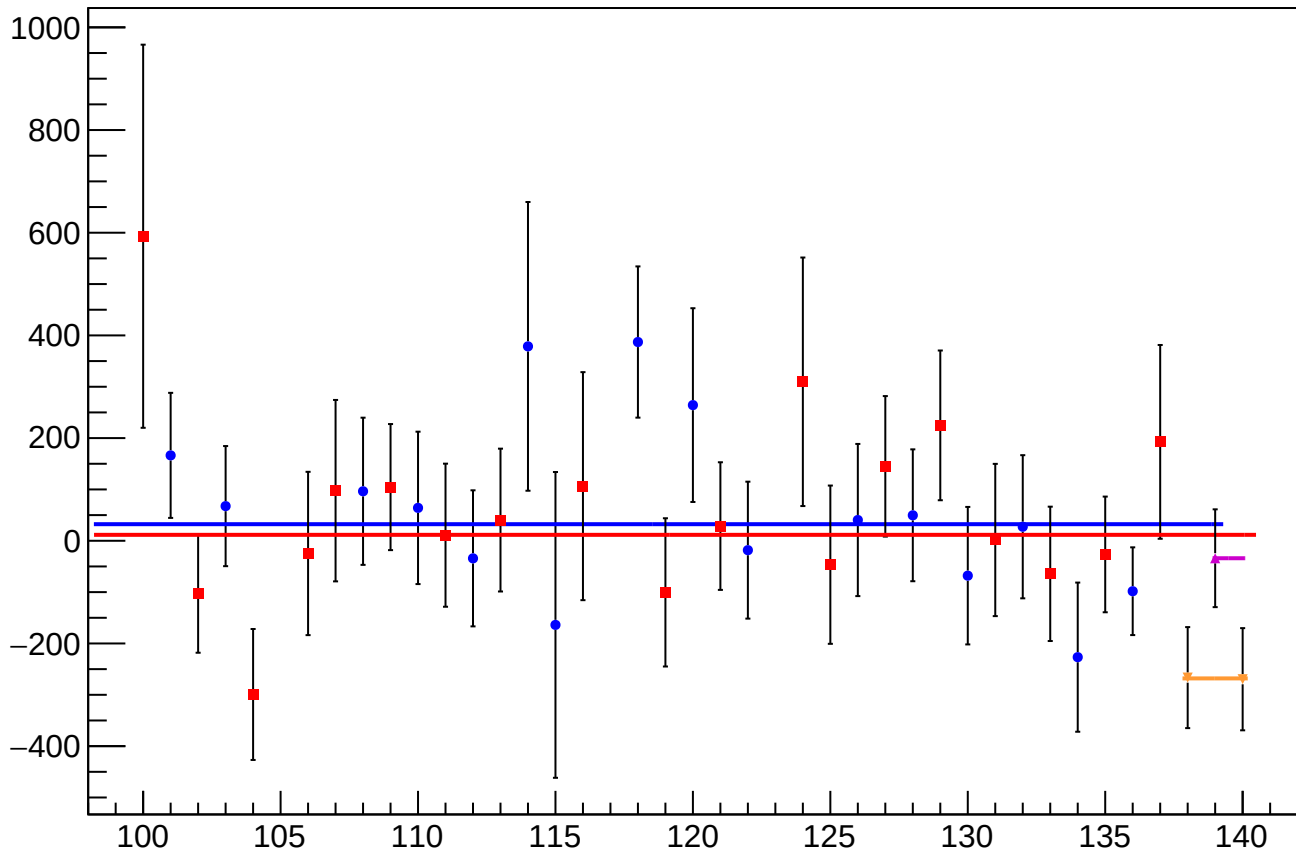
Left In: 513.036 $\pm$ 0.397 χ^2 /NDF:0.0/0

+ sign 654.201 $\pm$ 0.160 χ^2 /NDF: 854406.0/17

All: 644.762 $\pm$ 0.113 χ^2 /NDF: 1770527.5/37

- sign 635.171 $\pm$ 0.161 χ^2 /NDF: 909063.1/19

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312 $\pm$ 34.429 χ^2 /NDF: 17.3/15

Left Out: -268.062 $\pm$ 69.956 χ^2 /NDF: 0.0/1

Right Out: 11.576 $\pm$ 33.548 χ^2 /NDF: 17.2/18

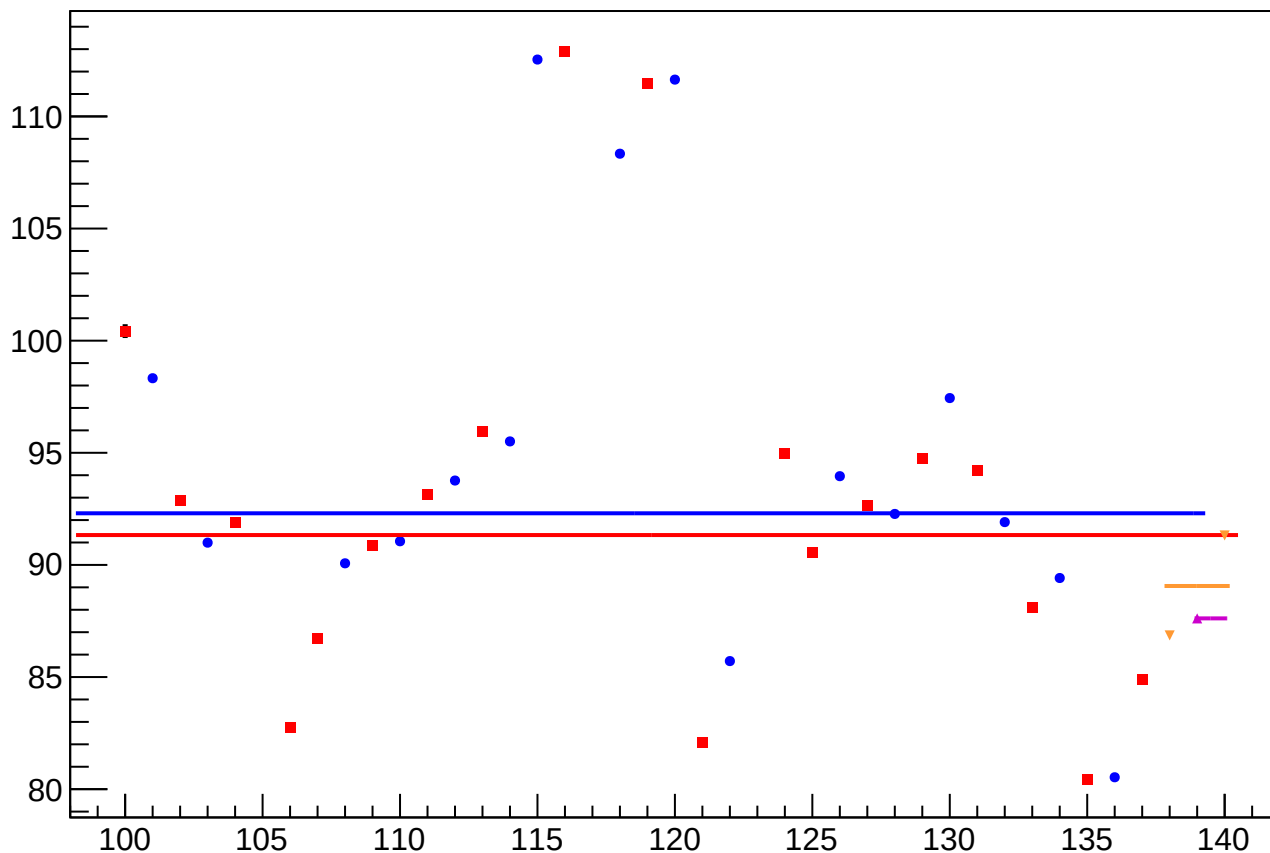
Left In: -34.002 $\pm$ 95.248 χ^2 /NDF: 0.0/0

+ sign -26.255 $\pm$ 30.890 χ^2 /NDF: 32.1/17

All: -10.250 $\pm$ 22.104 χ^2 /NDF: 50.1/37

- sign 6.545 $\pm$ 31.643 χ^2 /NDF: 17.4/19

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 ± 0.024 χ^2/NDF : 107066.1/15

Left Out: 89.060 ± 0.049 χ^2/NDF : 2030.2/1

Right Out: 91.332 ± 0.024 χ^2/NDF : 104918.3/18

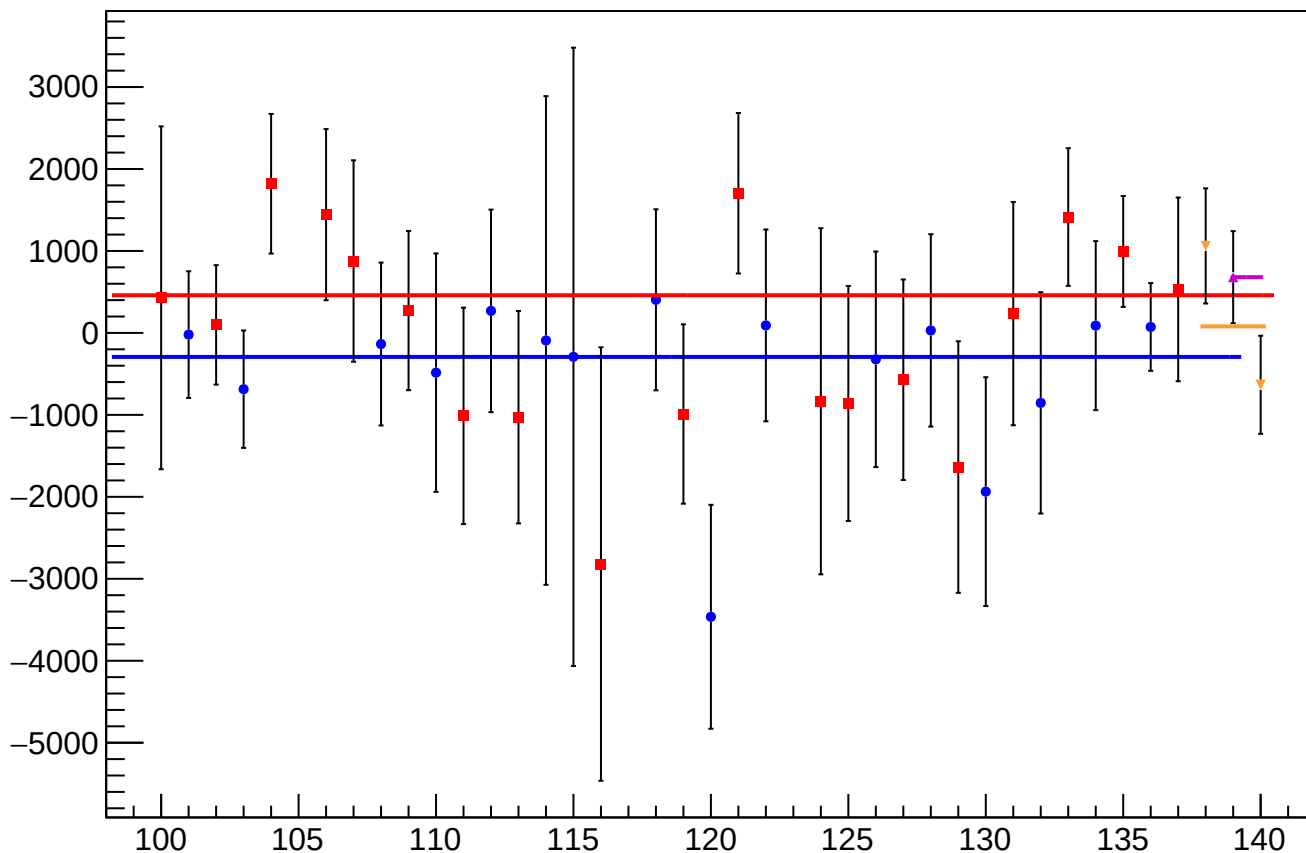
Left In: 87.616 ± 0.067 χ^2/NDF : 0.0/0

+ sign 91.670 ± 0.022 χ^2/NDF : 112554.6/17

All: 91.305 ± 0.016 χ^2/NDF : 220754.0/37

- sign 90.922 ± 0.022 χ^2/NDF : 107626.6/19

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753 ± 259.692 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 79.651 ± 455.582 $\chi^2/\text{NDF}: 3.4/1$

Right Out: 459.595 ± 249.543 $\chi^2/\text{NDF}: 17.1/18$

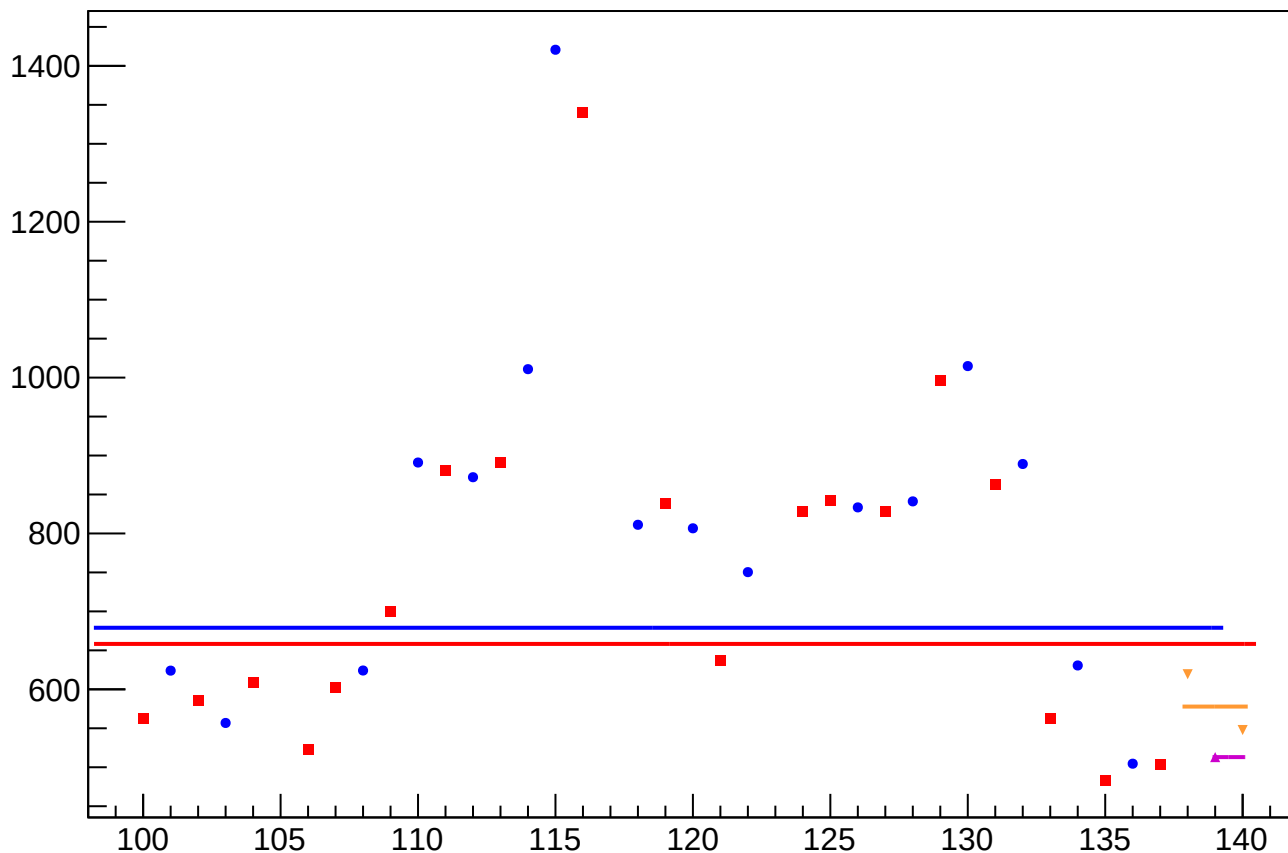
Left In: 680.254 ± 561.516 $\chi^2/\text{NDF}: 0.0/0$

+ sign -201.424 ± 225.612 $\chi^2/\text{NDF}: 12.7/17$

All: 143.553 ± 160.383 $\chi^2/\text{NDF}: 34.6/37$

- sign 495.988 ± 228.038 $\chi^2/\text{NDF}: 17.2/19$

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF : 767985.6/15

Left Out: 577.871+/-0.322 χ^2/NDF :12037.7/1

Right Out: 658.262+/-0.176 χ^2/NDF : 805898.2/18

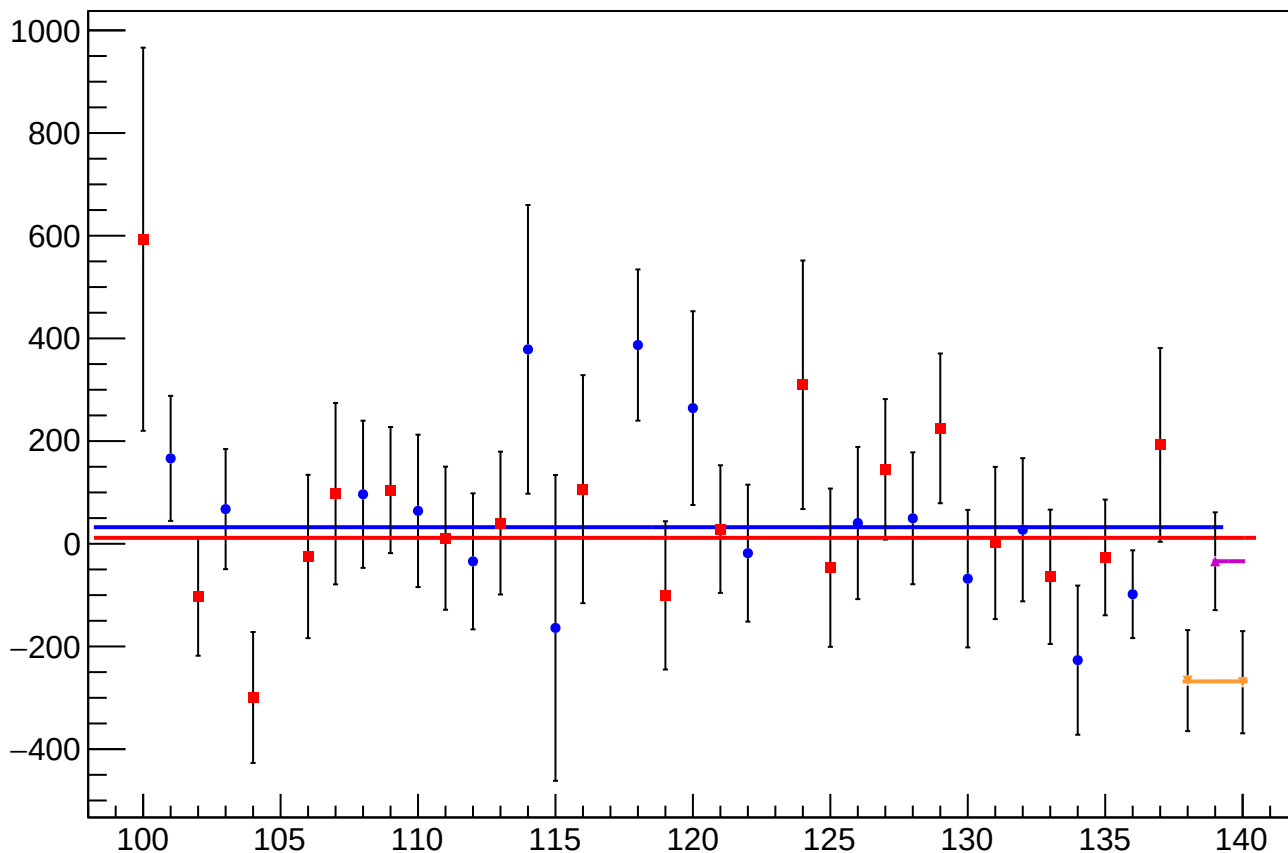
Left In: 513.036+/-0.397 χ^2/NDF :0.0/0

+ sign 654.201+/-0.160 χ^2/NDF : 854408.0/17

All: 644.362+/-0.113 χ^2/NDF : 1779713.0/37

- sign 634.310+/-0.161 χ^2/NDF : 917615.3/19

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312 $\pm$ 34.429 χ^2 /NDF: 17.3/15

Left Out: -268.062 $\pm$ 69.956 χ^2 /NDF: 0.0/1

Right Out: 11.576 $\pm$ 33.548 χ^2 /NDF: 17.2/18

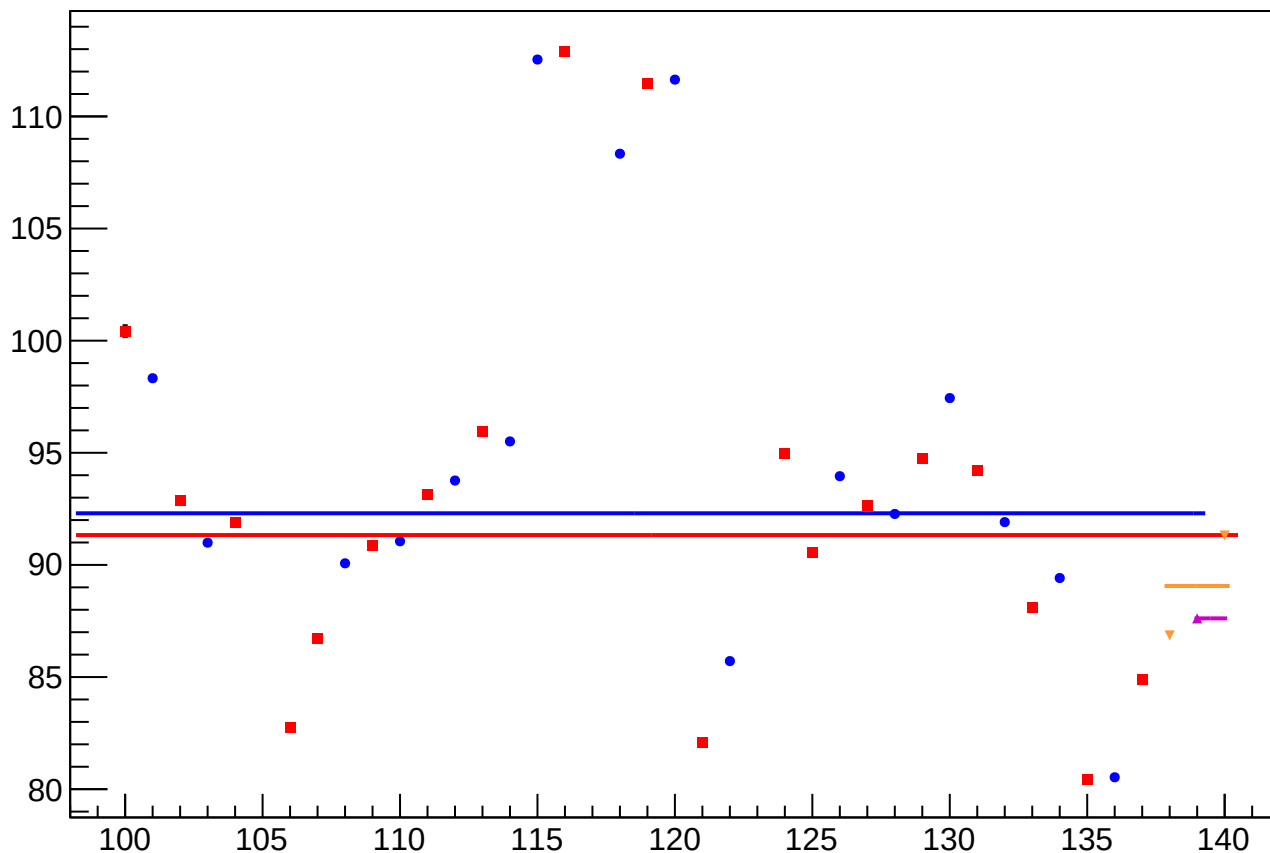
Left In: -34.002 $\pm$ 95.248 χ^2 /NDF: 0.0/0

+ sign -26.255 $\pm$ 30.890 χ^2 /NDF: 32.1/17

All: -10.250 $\pm$ 22.104 χ^2 /NDF: 50.1/37

- sign 6.545 $\pm$ 31.643 χ^2 /NDF: 17.4/19

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 ± 0.024 χ^2/NDF : 107066.1/15

Left Out: 89.060 ± 0.049 χ^2/NDF : 2030.2/1

Right Out: 91.332 ± 0.024 χ^2/NDF : 104918.3/18

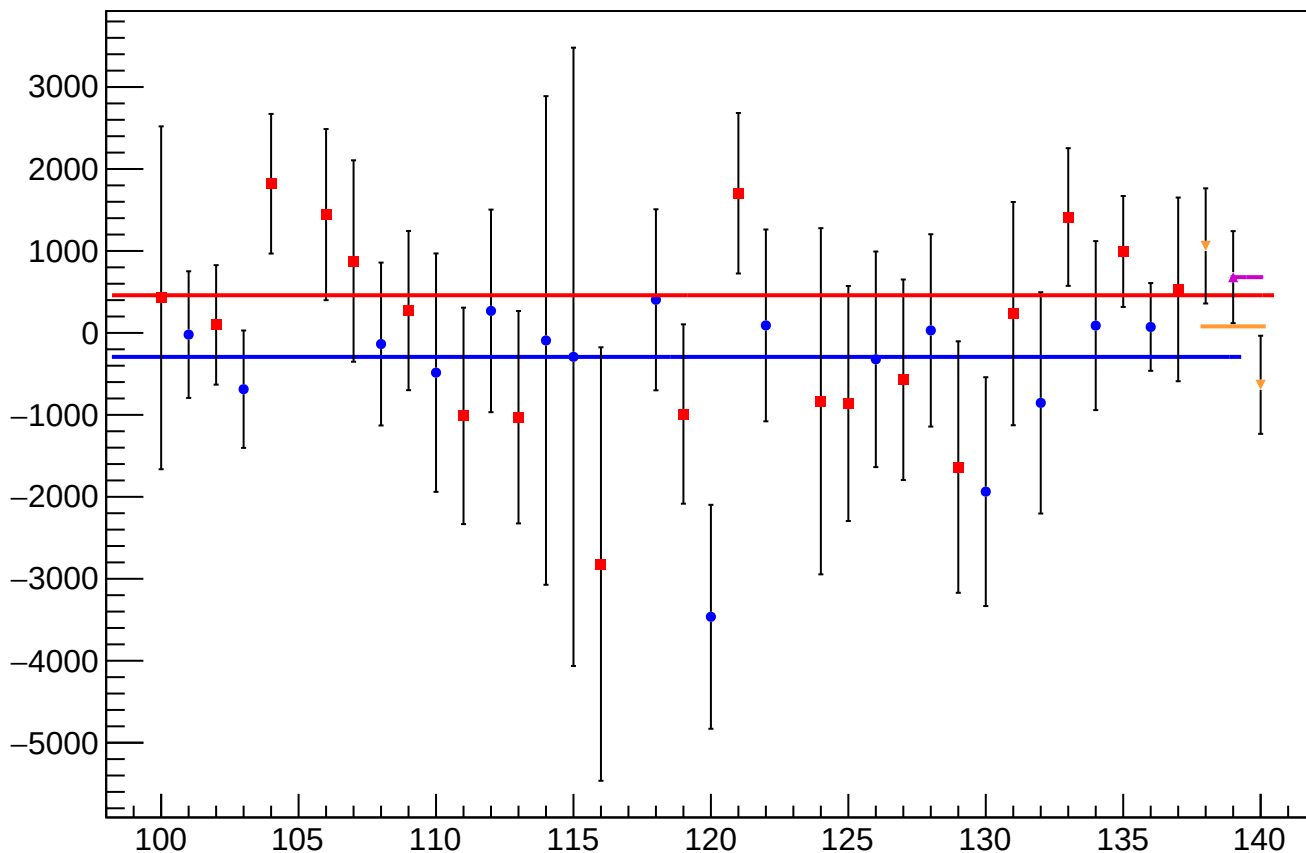
Left In: 87.616 ± 0.067 χ^2/NDF : 0.0/0

+ sign 91.670 ± 0.022 χ^2/NDF : 112554.6/17

All: 91.305 ± 0.016 χ^2/NDF : 220754.0/37

- sign 90.922 ± 0.022 χ^2/NDF : 107626.6/19

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -292.753 ± 259.692 χ^2/NDF : 8.8/15

Left Out: 79.651 ± 455.582 χ^2/NDF : 3.4/1

Right Out: 459.595 ± 249.543 χ^2/NDF : 17.1/18

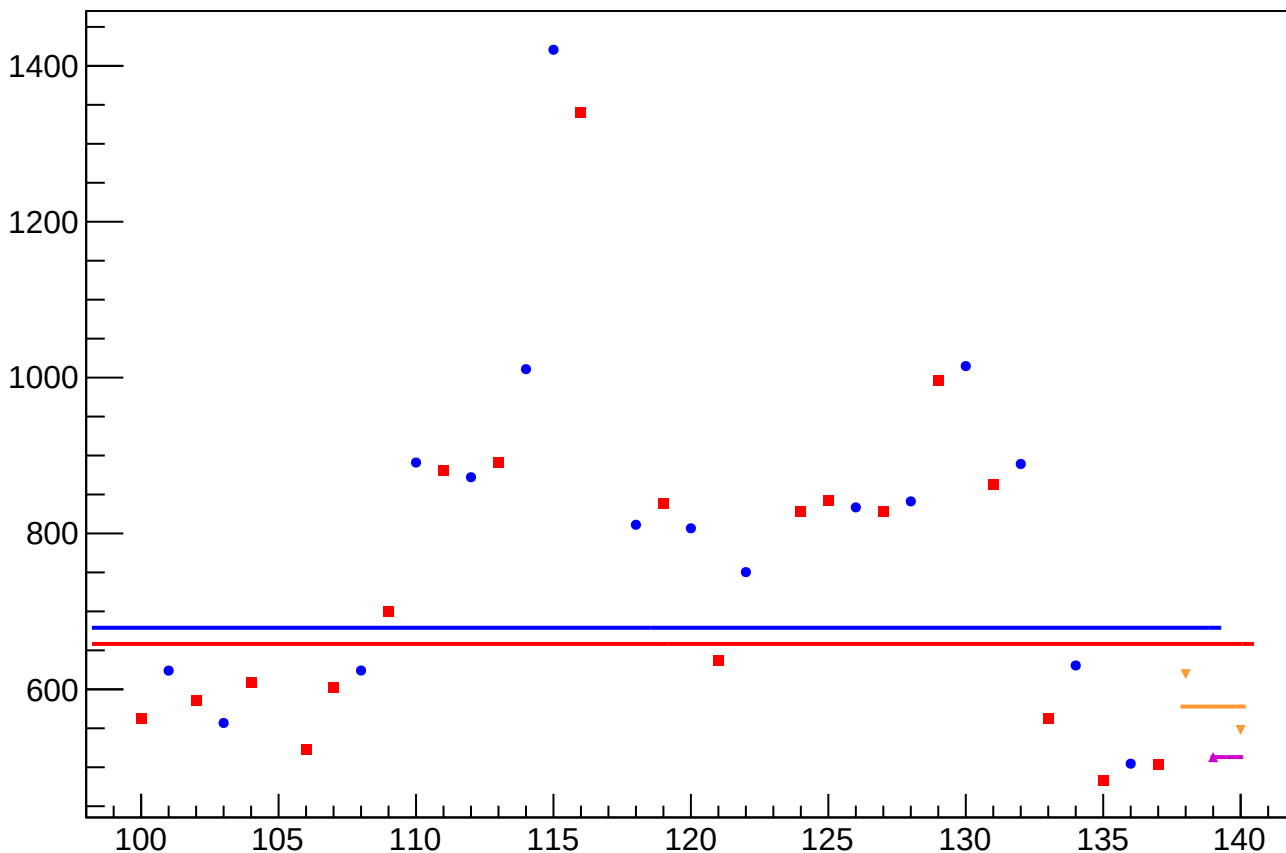
Left In: 680.254 ± 561.516 χ^2/NDF : 0.0/0

+ sign -201.424 ± 225.612 χ^2/NDF : 12.7/17

All: 143.553 ± 160.383 χ^2/NDF : 34.6/37

- sign 495.988 ± 228.038 χ^2/NDF : 17.2/19

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2 /NDF: 767985.6/15

Left Out: 577.871 $\pm$ 0.322 χ^2 /NDF:12037.7/1

Right Out: 658.262 $\pm$ 0.176 χ^2 /NDF: 805898.2/18

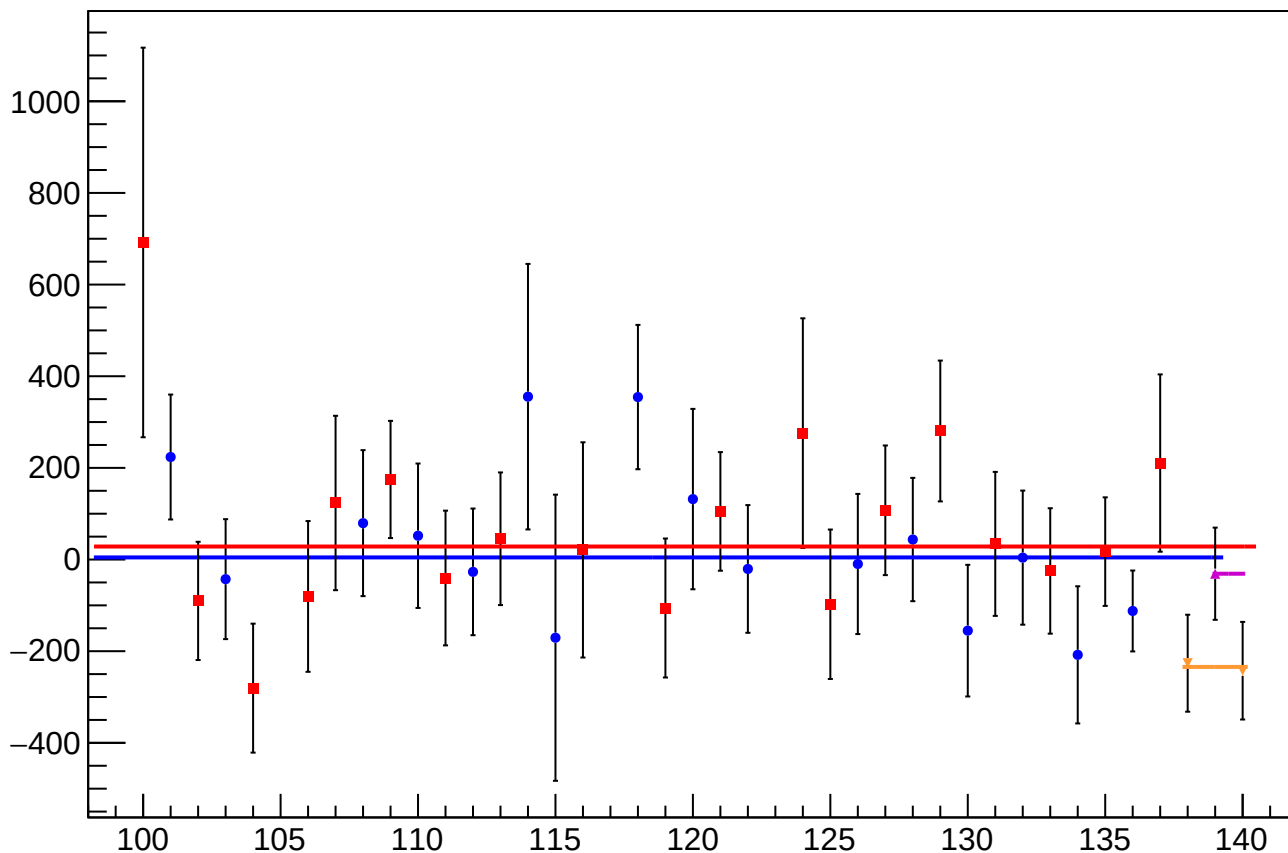
Left In: 513.036 $\pm$ 0.397 χ^2 /NDF:0.0/0

+ sign 654.201 $\pm$ 0.160 χ^2 /NDF: 854408.0/17

All: 644.362 $\pm$ 0.113 χ^2 /NDF: 1779713.0/37

- sign 634.310 $\pm$ 0.161 χ^2 /NDF: 917615.3/19

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619 $\pm$ 36.509 χ^2 /NDF: 15.3/15

Left Out: -234.358 $\pm$ 75.065 χ^2 /NDF: 0.0/1

Right Out: 28.407 $\pm$ 35.465 χ^2 /NDF: 17.1/18

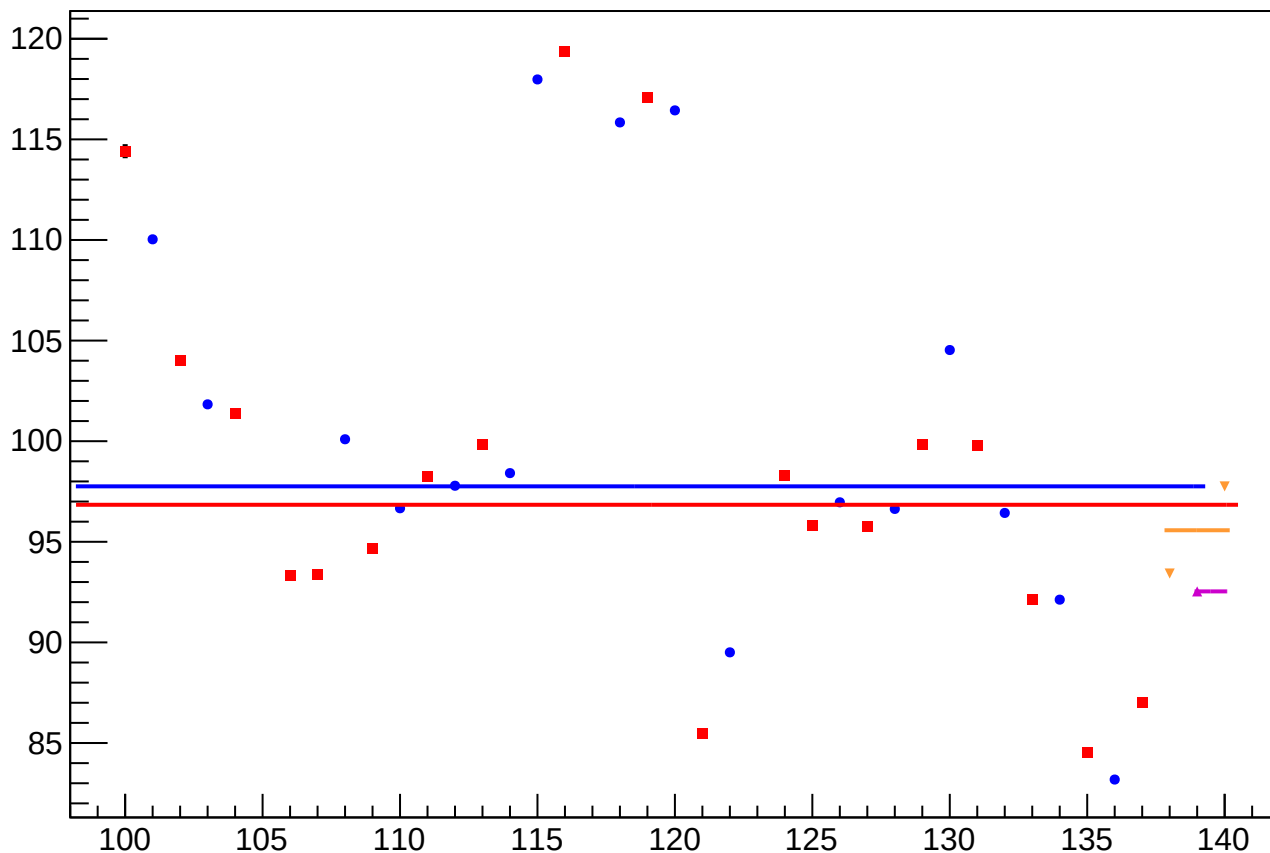
Left In: -30.960 $\pm$ 100.595 χ^2 /NDF: 0.0/0

+ sign -41.097 $\pm$ 32.832 χ^2 /NDF: 23.6/17

All: -10.211 $\pm$ 23.430 χ^2 /NDF: 42.8/37

- sign 21.844 $\pm$ 33.447 χ^2 /NDF: 17.4/19

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF : 140654.4/15

Left Out: 95.574+/-0.053 χ^2/NDF : 1662.5/1

Right Out: 96.840+/-0.025 χ^2/NDF : 115170.9/18

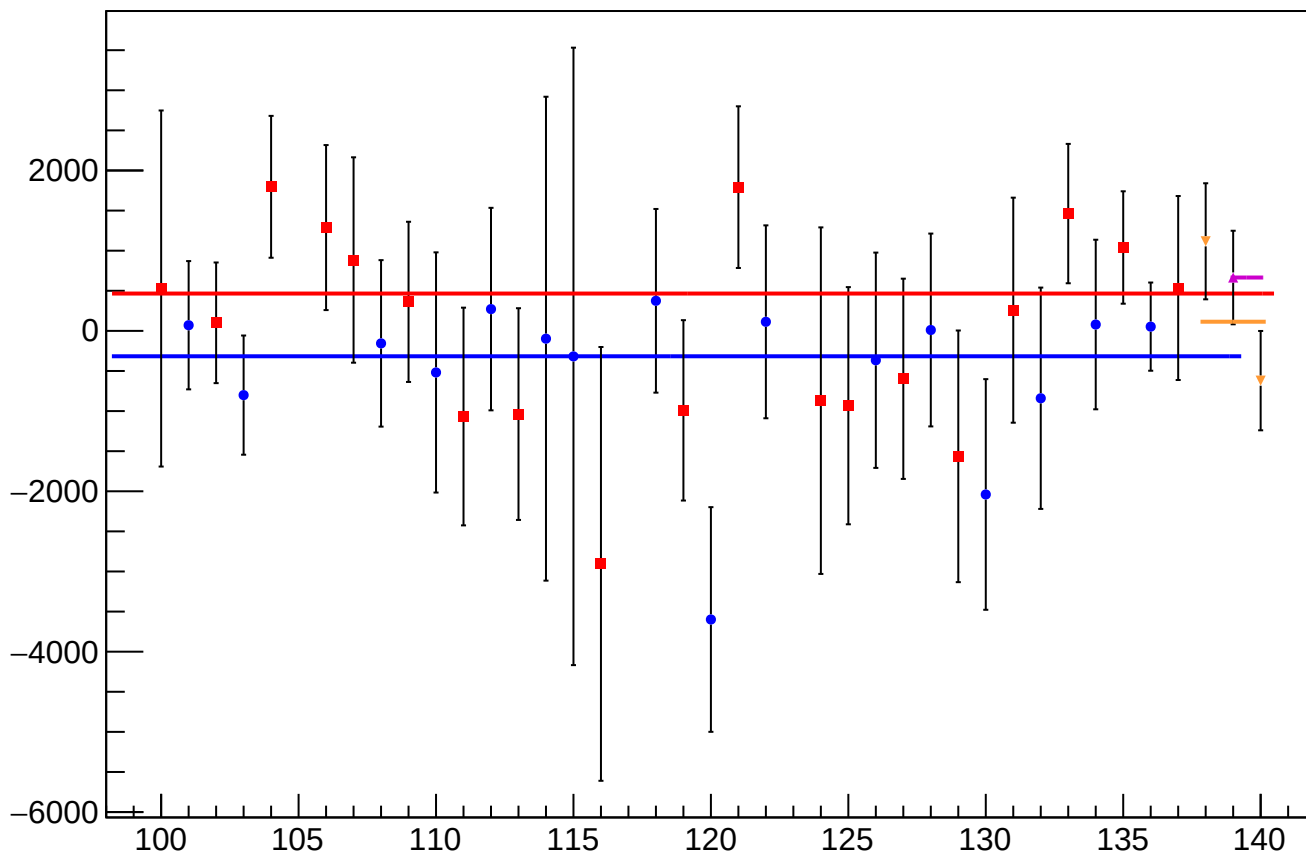
Left In: 92.535+/-0.071 χ^2/NDF : 0.0/0

+ sign 97.339+/-0.023 χ^2/NDF : 143683.9/17

All: 96.860+/-0.017 χ^2/NDF : 262977.4/37

- sign 96.364+/-0.024 χ^2/NDF : 118428.6/19

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572 ± 267.515 χ^2/NDF : 9.2/15

Left Out: 114.272 ± 470.514 χ^2/NDF : 3.3/1

Right Out: 465.576 ± 256.646 χ^2/NDF : 16.5/18

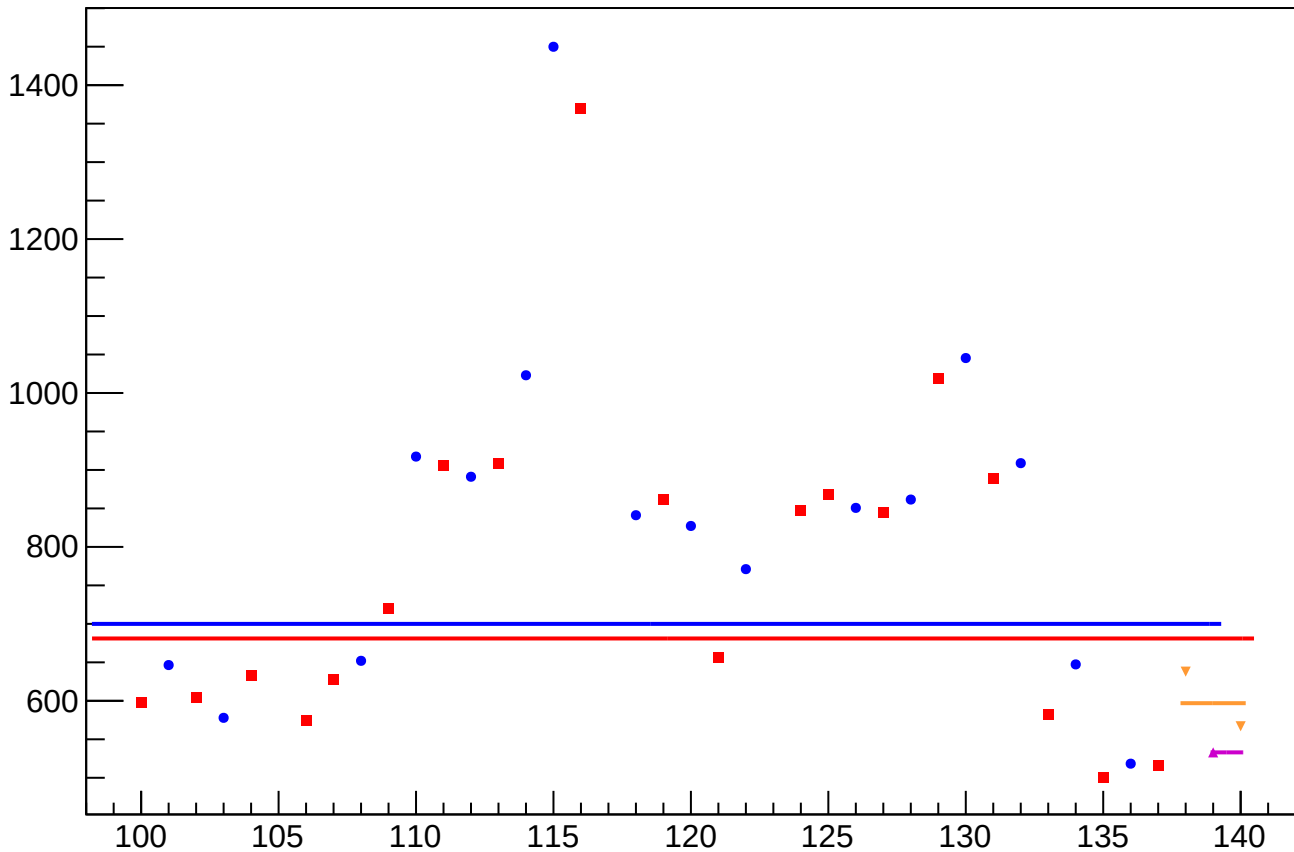
Left In: 665.295 ± 583.225 χ^2/NDF : 0.0/0

+ sign -211.321 ± 232.555 χ^2/NDF : 13.1/17

All: 139.758 ± 165.267 χ^2/NDF : 34.3/37

- sign 497.976 ± 234.908 χ^2/NDF : 16.6/19

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF : 753665.4/15

Left Out: 596.943+/-0.333 χ^2/NDF : 11106.4/1

Right Out: 681.016+/-0.181 χ^2/NDF : 769397.2/18

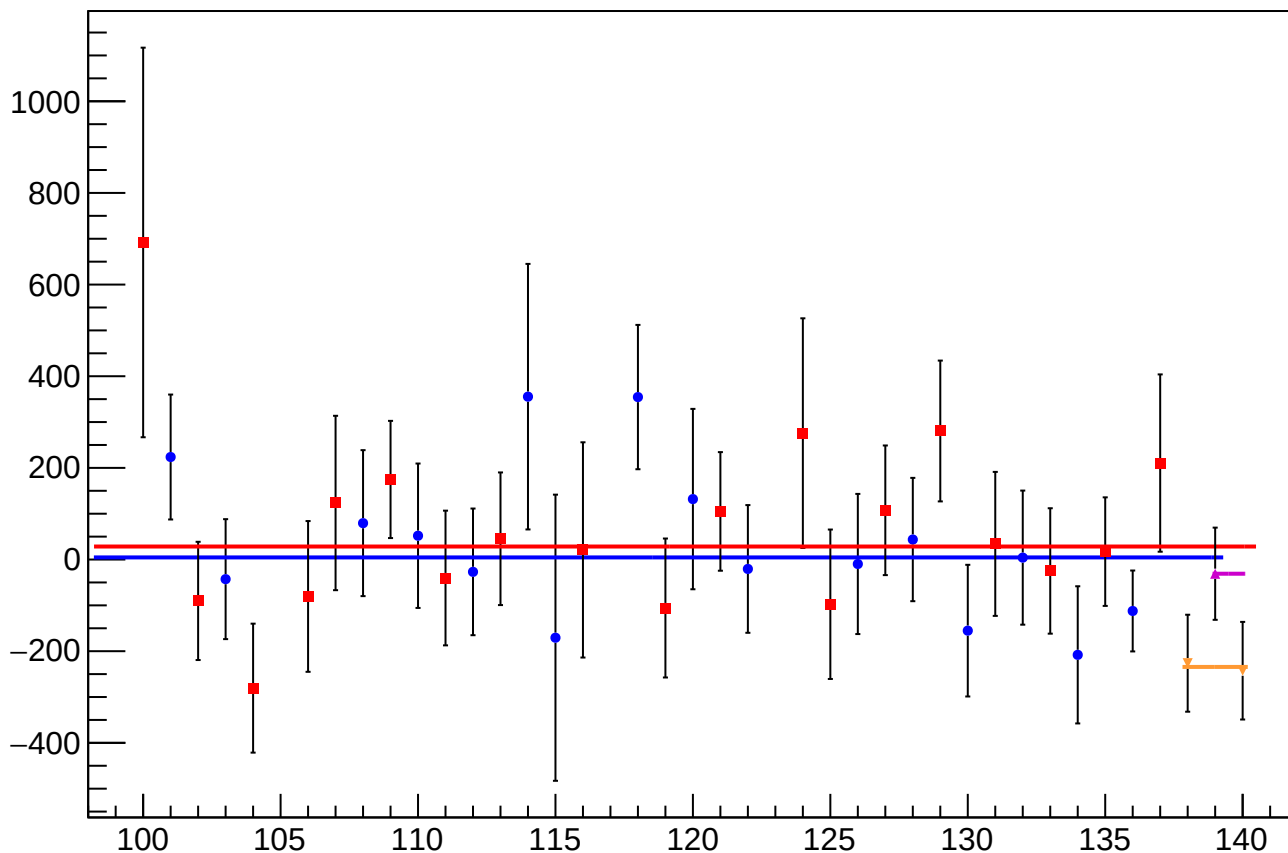
Left In: 533.015+/-0.412 χ^2/NDF : 0.0/0

+ sign 674.804+/-0.164 χ^2/NDF : 837243.3/17

All: 665.995+/-0.117 χ^2/NDF : 1720336.3/37

- sign 657.007+/-0.166 χ^2/NDF : 877295.5/19

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620 $\pm$ 36.509 χ^2 /NDF: 15.3/15

Left Out: -234.357 $\pm$ 75.065 χ^2 /NDF: 0.0/1

Right Out: 28.407 $\pm$ 35.465 χ^2 /NDF: 17.1/18

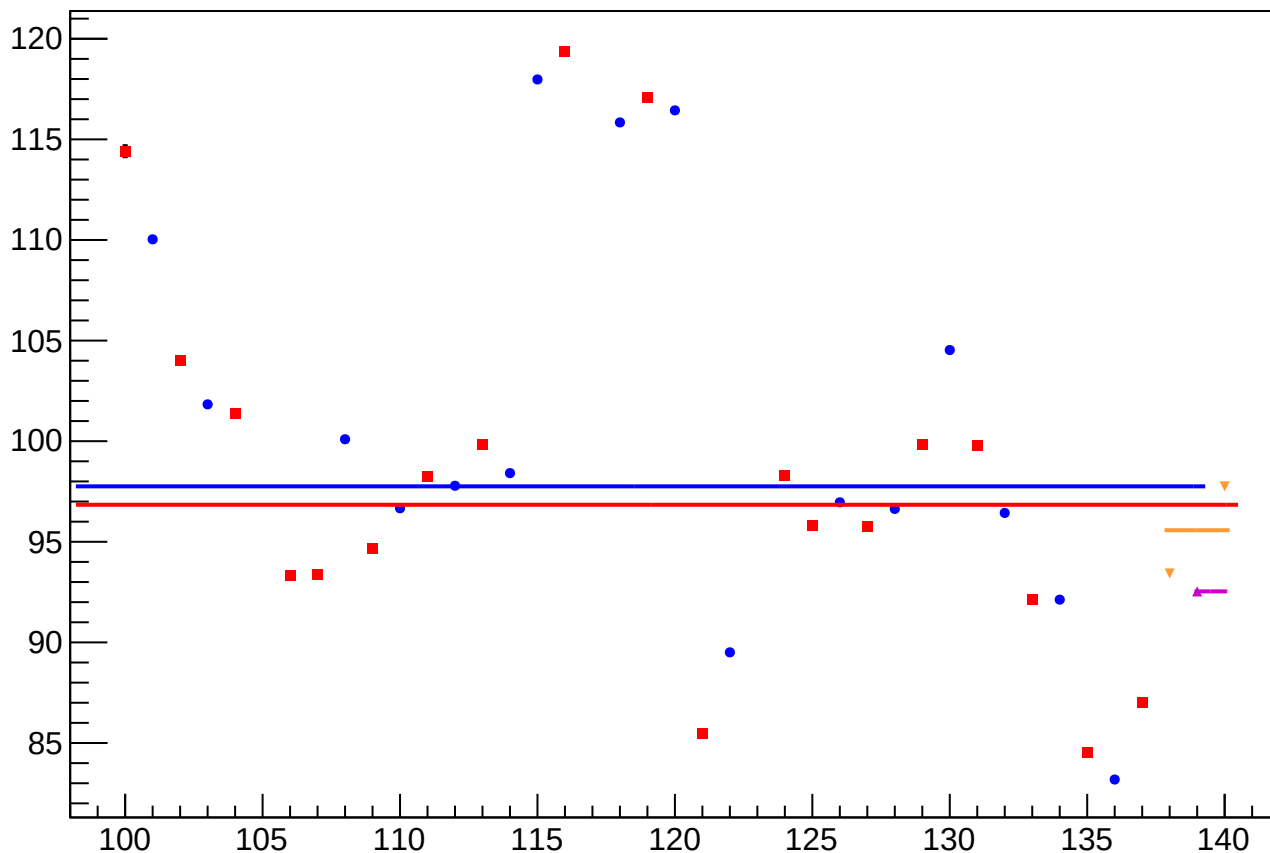
Left In: -30.959 $\pm$ 100.595 χ^2 /NDF: 0.0/0

+ sign -41.095 $\pm$ 32.832 χ^2 /NDF: 23.6/17

All: -10.210 $\pm$ 23.430 χ^2 /NDF: 42.8/37

- sign 21.844 $\pm$ 33.447 χ^2 /NDF: 17.4/19

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2 /NDF: 140654.8/15

Left Out: 95.574 $\pm$ 0.053 χ^2 /NDF:1662.4/1

Right Out: 96.839 $\pm$ 0.025 χ^2 /NDF: 115173.1/18

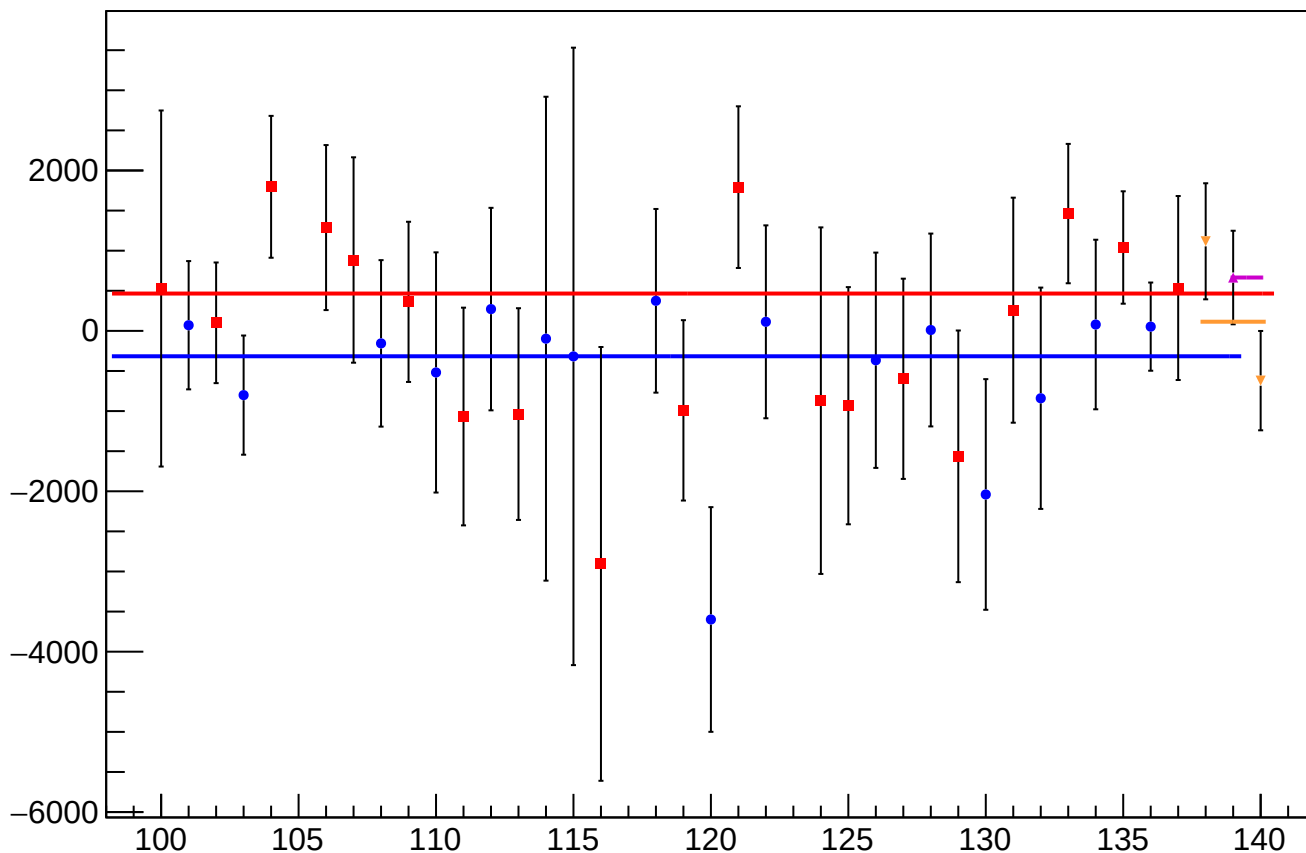
Left In: 92.535 $\pm$ 0.071 χ^2 /NDF:0.0/0

+ sign 97.338 $\pm$ 0.023 χ^2 /NDF: 143683.3/17

All: 96.860 $\pm$ 0.017 χ^2 /NDF: 262978.2/37

- sign 96.364 $\pm$ 0.024 χ^2 /NDF: 118429.8/19

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -316.570+/-267.515 χ^2/NDF : 9.2/15

Left Out: 114.272+/-470.515 χ^2/NDF : 3.3/1

Right Out: 465.576+/-256.645 χ^2/NDF : 16.5/18

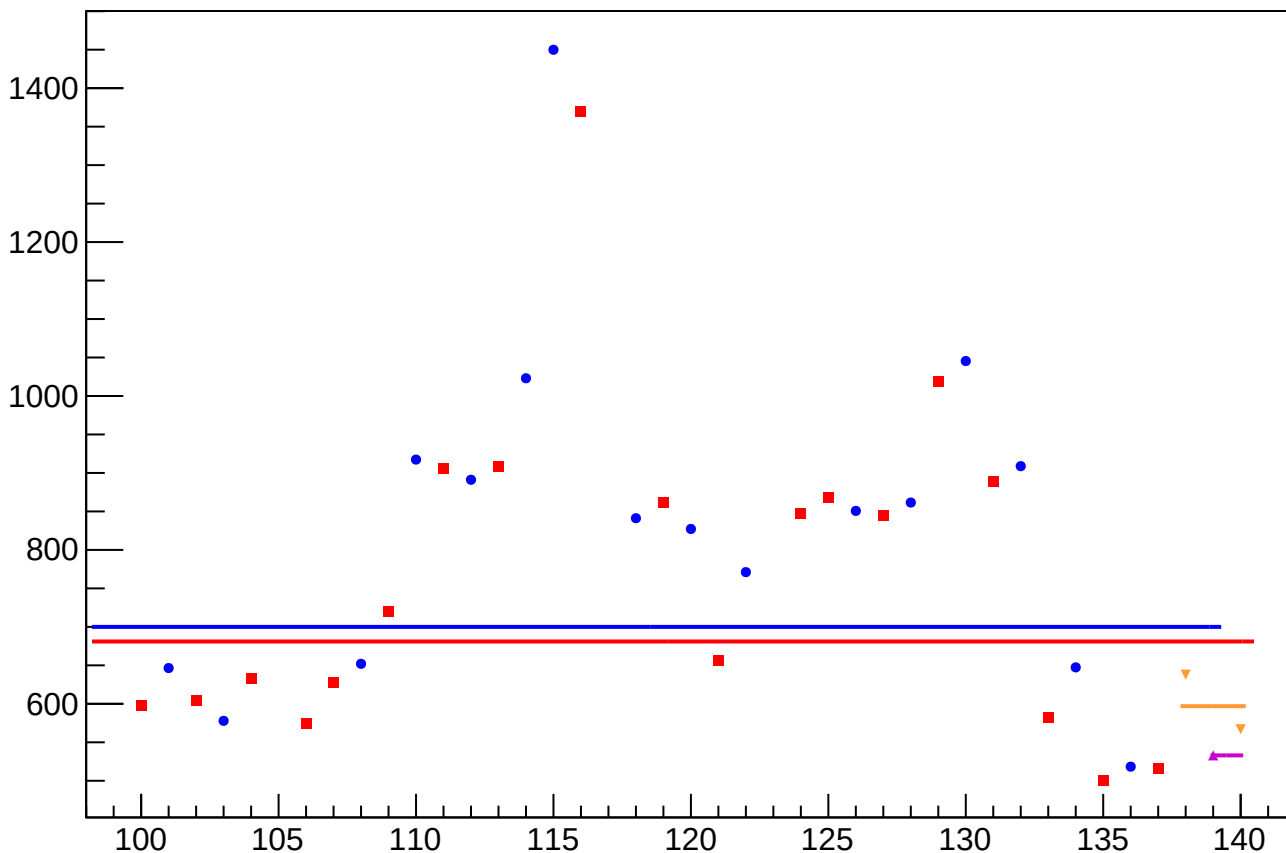
Left In: 665.297+/-583.226 χ^2/NDF : 0.0/0

+ sign -211.320+/-232.555 χ^2/NDF : 13.1/17

All: 139.758+/-165.267 χ^2/NDF : 34.3/37

- sign 497.976+/-234.907 χ^2/NDF : 16.6/19

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF : 753668.1/15

Left Out: 596.945+/-0.333 χ^2/NDF : 11106.5/1

Right Out: 681.015+/-0.181 χ^2/NDF : 769400.5/18

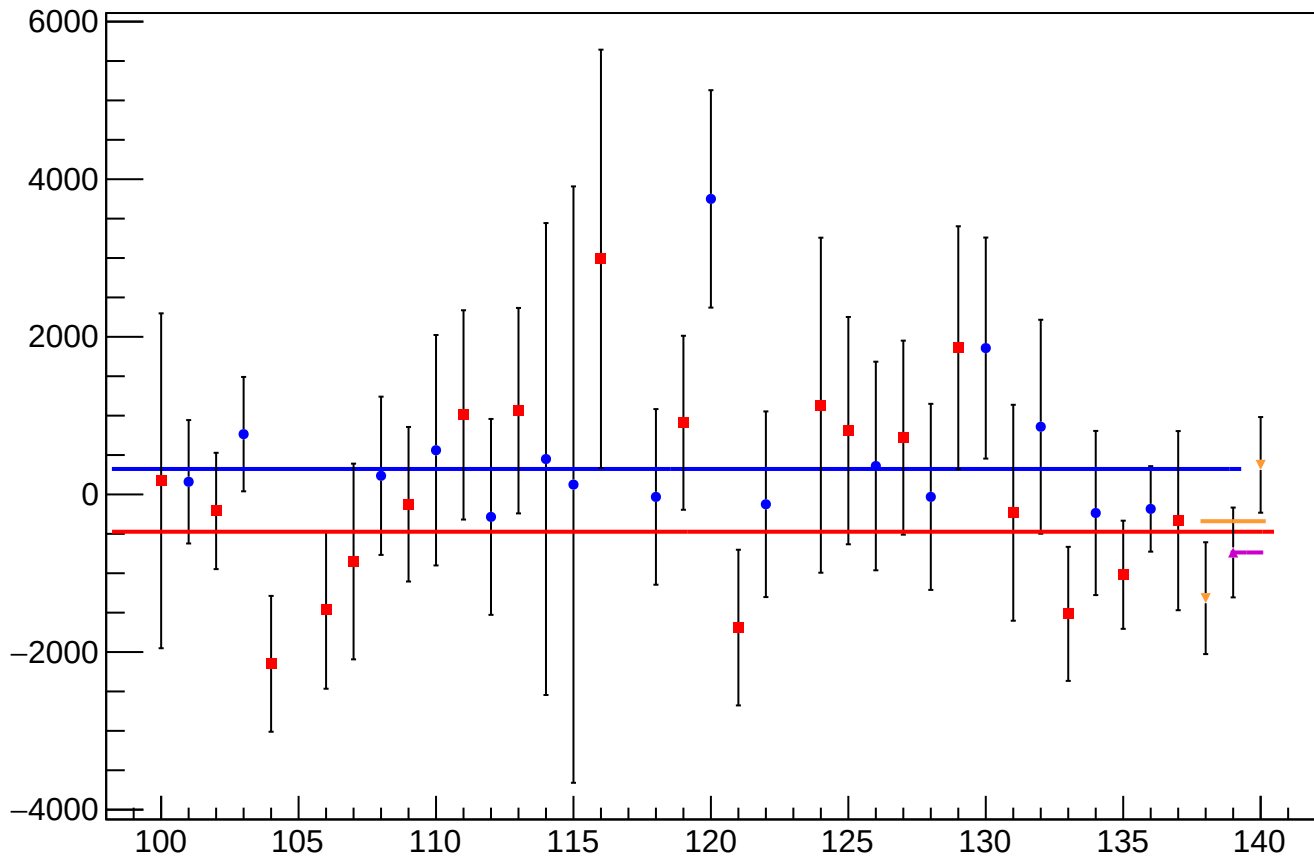
Left In: 533.016+/-0.412 χ^2/NDF : 0.0/0

+ sign 674.803+/-0.164 χ^2/NDF : 837241.5/17

All: 665.994+/-0.117 χ^2/NDF : 1720334.4/37

- sign 657.006+/-0.166 χ^2/NDF : 877295.0/19

asym_sam_15_dd_mean vs Slug



Right In: 323.198 $\pm$ 262.332 χ^2 /NDF: 9.7/15

Left Out: -339.542 $\pm$ 461.202 χ^2 /NDF:3.3/1

Right Out: -473.233 $\pm$ 251.330 χ^2 /NDF: 19.4/18

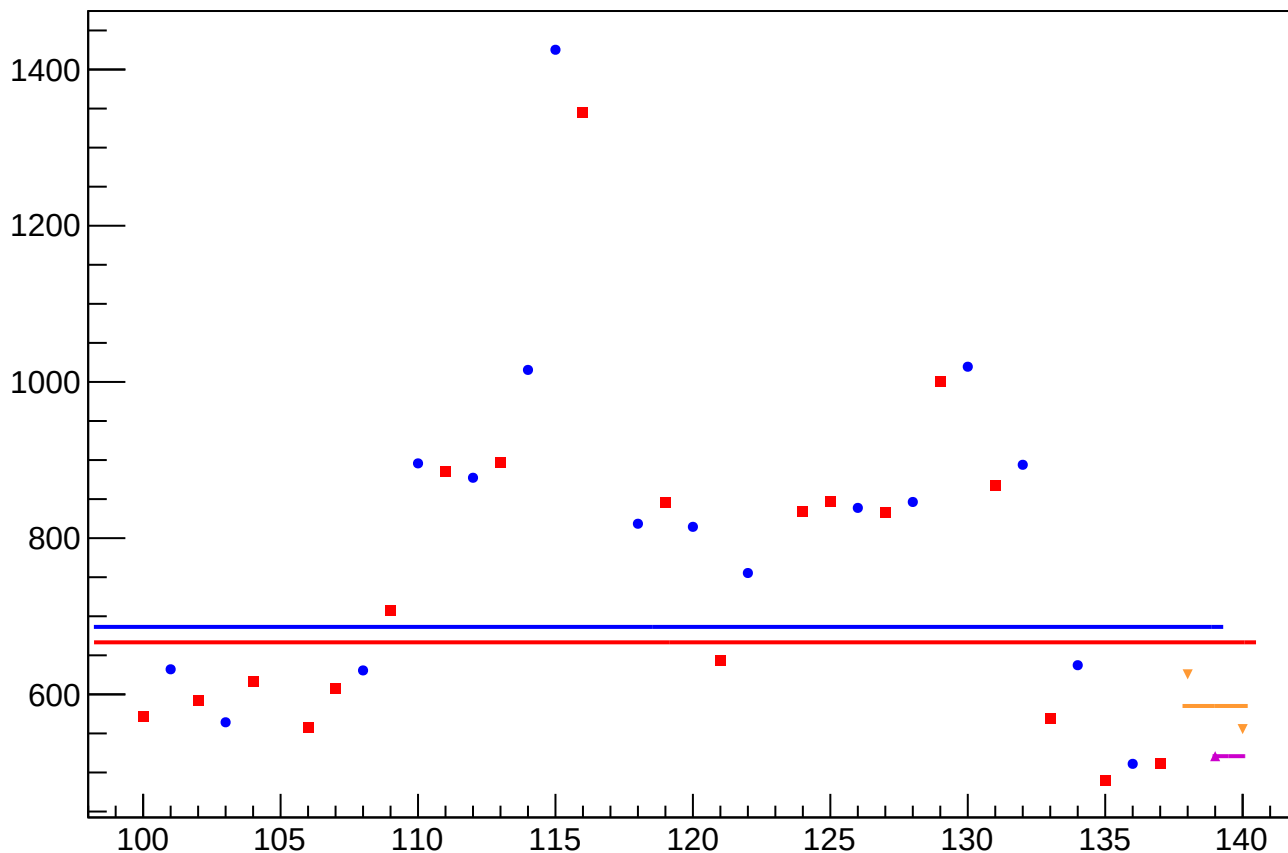
Left In: -736.444 $\pm$ 569.893 χ^2 /NDF:0.0/0

+ sign 161.193 $\pm$ 228.026 χ^2 /NDF: 14.6/17

All: -174.588 $\pm$ 161.918 χ^2 /NDF: 38.5/37

- sign -516.090 $\pm$ 229.960 χ^2 /NDF: 19.6/19

asym_sam_15_dd_rms vs Slug



Right In: 686.394 ± 0.185 $\chi^2/\text{NDF}: 749454.8/15$

Left Out: 585.141 ± 0.326 $\chi^2/\text{NDF}: 11273.6/1$

Right Out: 666.634 ± 0.178 $\chi^2/\text{NDF}: 777033.6/18$

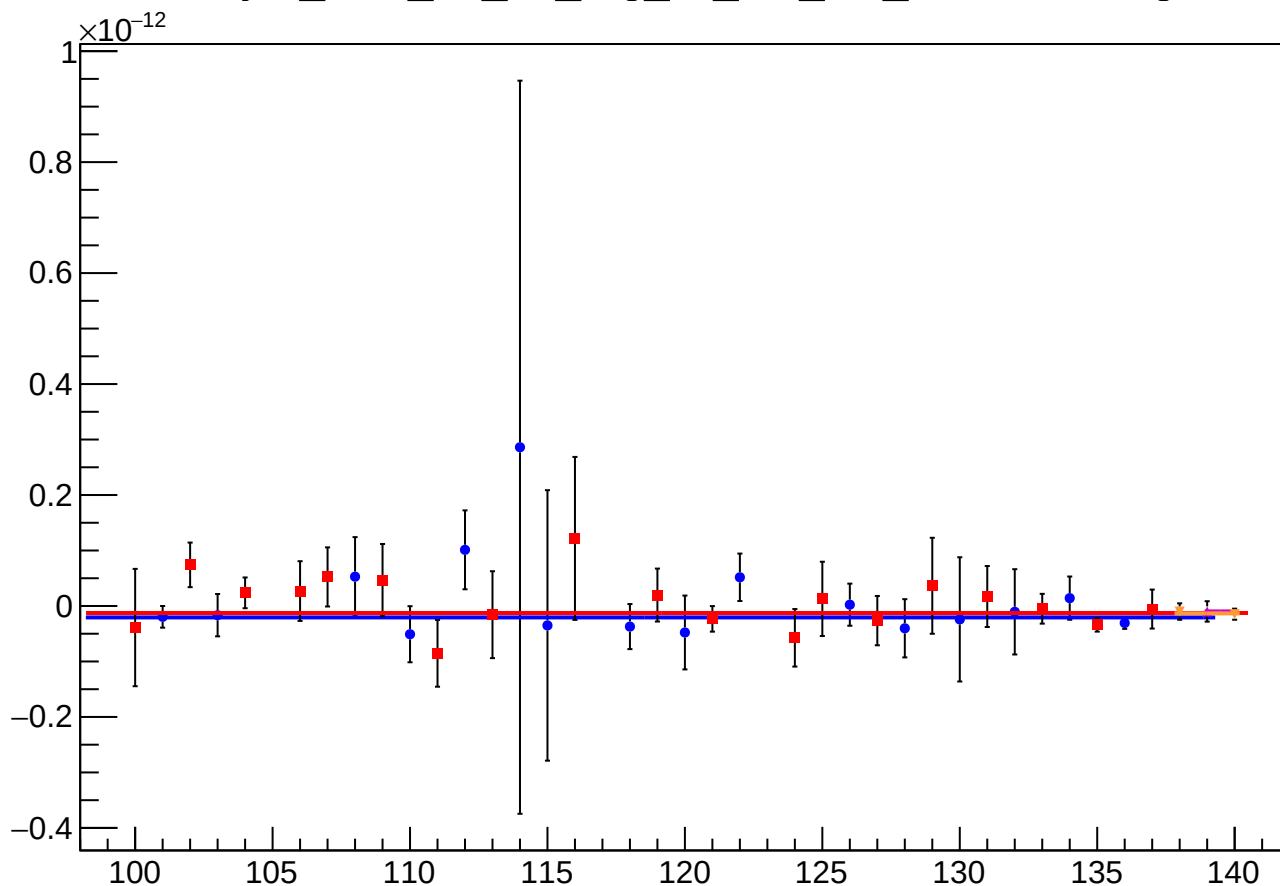
Left In: 520.882 ± 0.403 $\chi^2/\text{NDF}: 0.0/0$

+ sign 661.643 ± 0.161 $\chi^2/\text{NDF}: 833561.9/17$

All: 652.352 ± 0.114 $\chi^2/\text{NDF}: 1726812.9/37$

- sign 642.902 ± 0.163 $\chi^2/\text{NDF}: 886553.5/19$

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 17.0/18

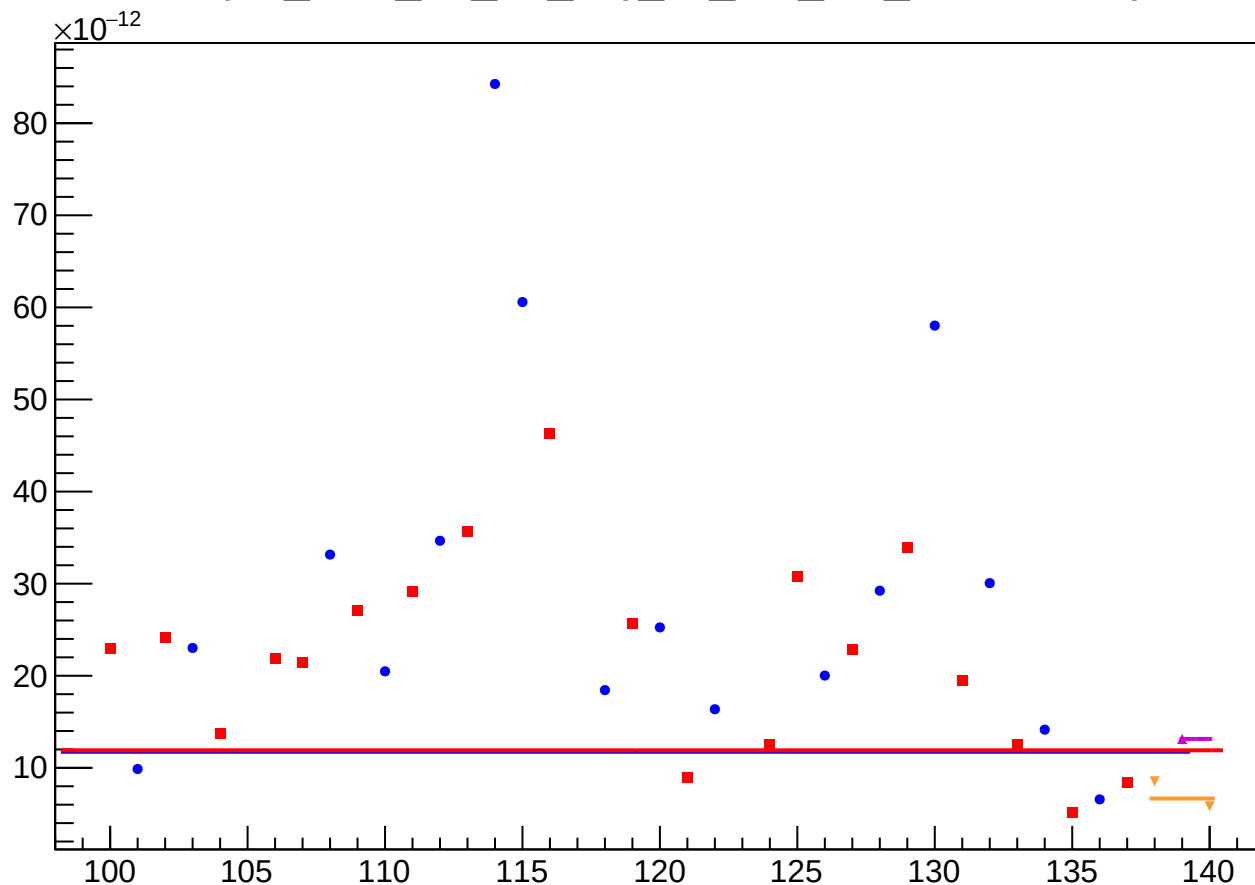
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 10.5/17

All: -0.000+/-0.000 χ^2 /NDF: 27.8/37

- sign -0.000+/-0.000 χ^2 /NDF: 17.1/19

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 46178.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2202451.9/18

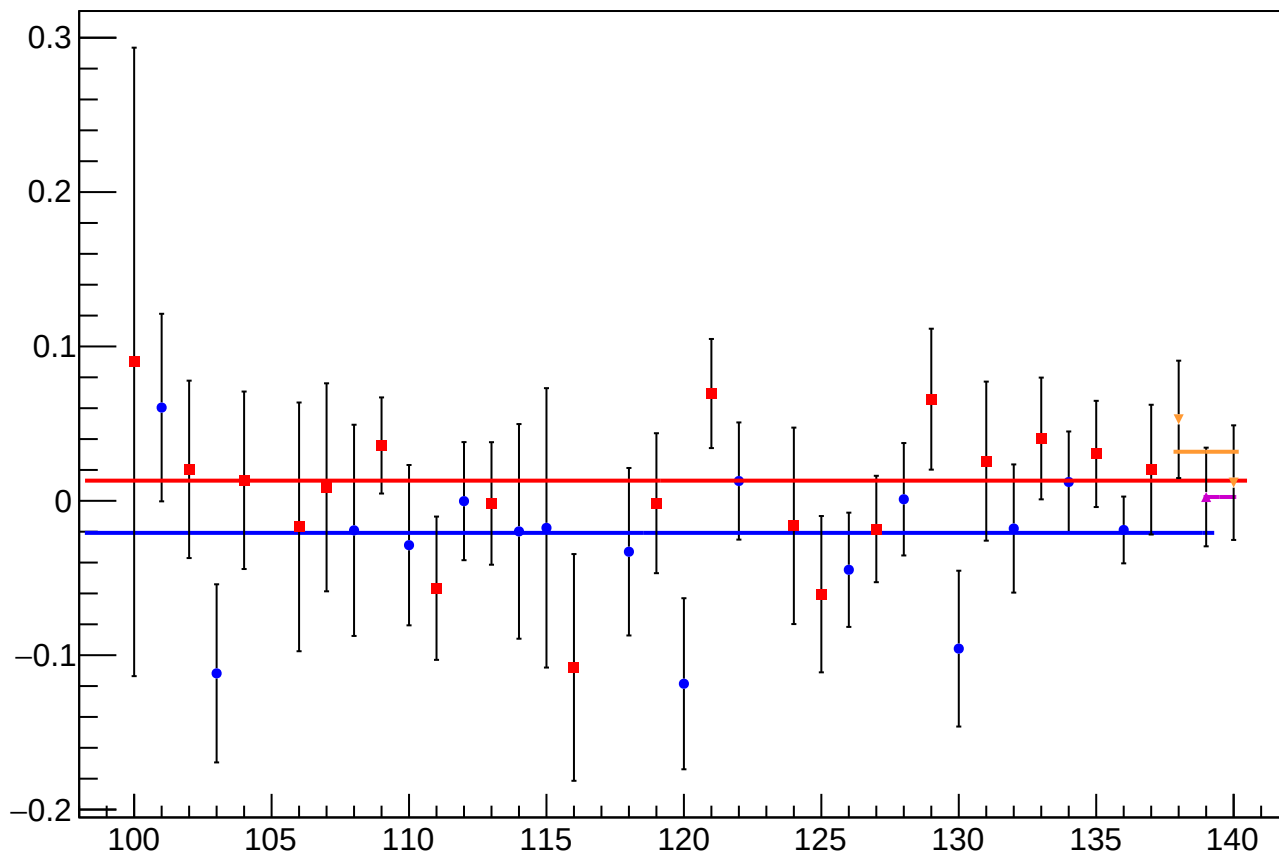
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2605834.0/17

All: 0.000+/-0.000 χ^2/NDF : 4994052.4/37

- sign 0.000+/-0.000 χ^2/NDF : 2210091.6/19

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: 0.032 ± 0.027 χ^2/NDF : 0.6/1

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

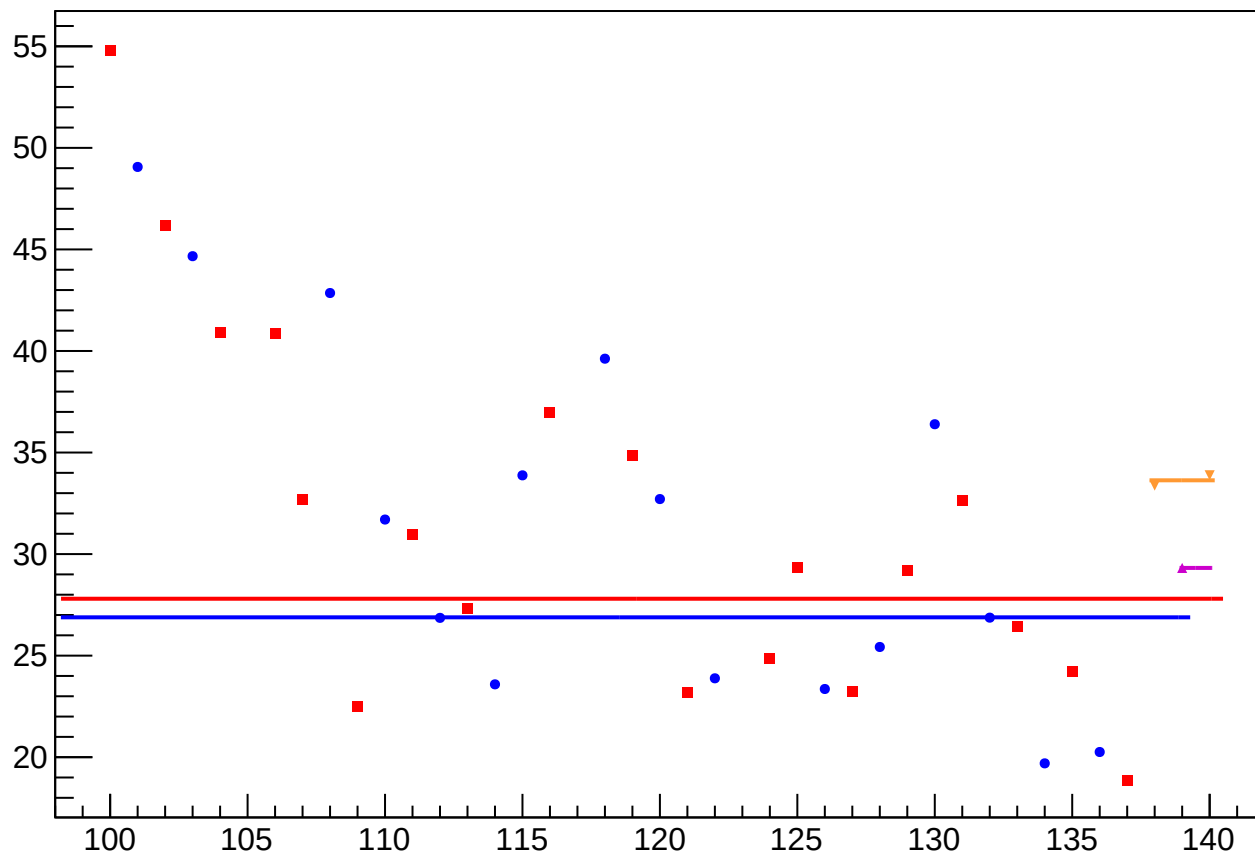
Left In: 0.002 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 33.9/37

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/19

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886 $\pm$ 0.007 χ^2 /NDF: 1120557.7/15

Left Out: 33.632 $\pm$ 0.019 χ^2 /NDF:182.3/1

Right Out: 27.802 $\pm$ 0.007 χ^2 /NDF: 763106.1/18

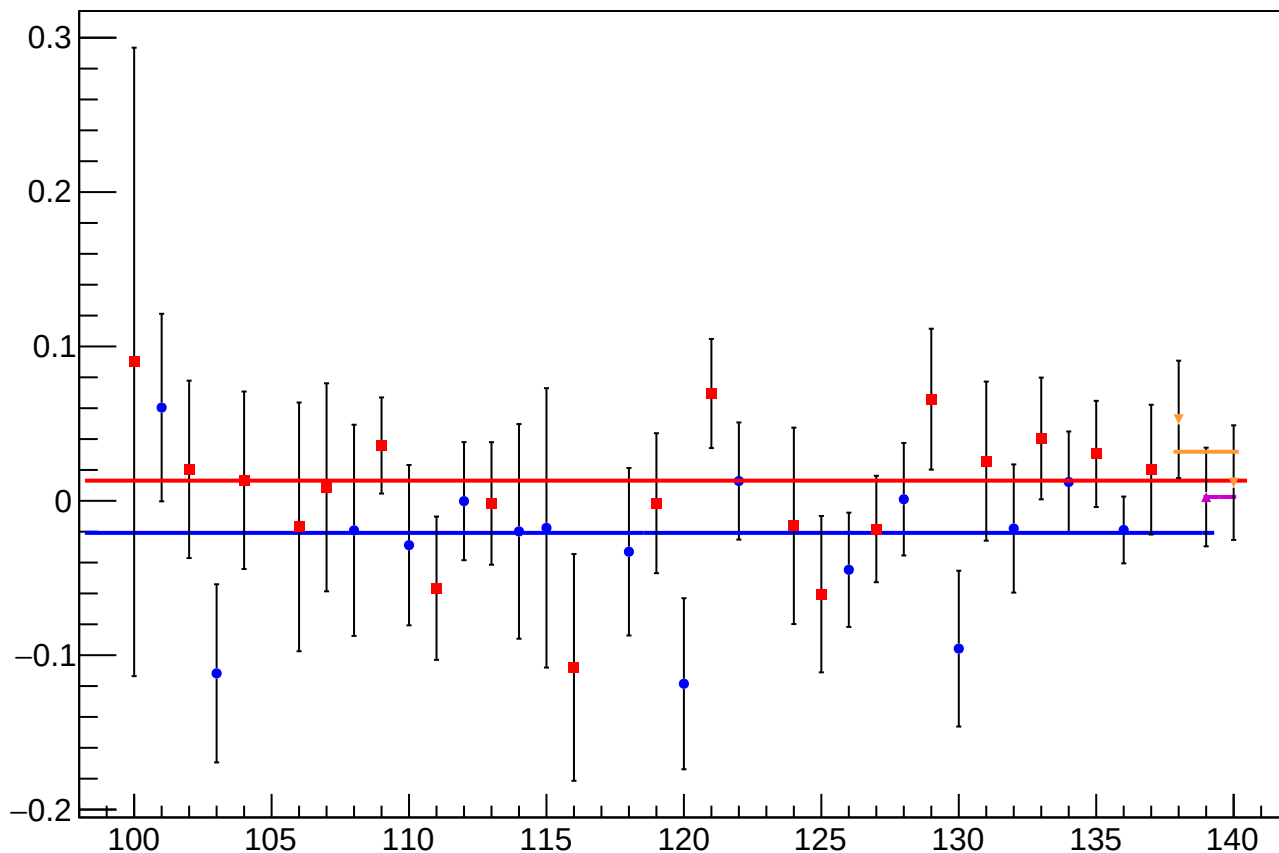
Left In: 29.319 $\pm$ 0.023 χ^2 /NDF:0.0/0

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232315.8/17

All: 27.873 $\pm$ 0.005 χ^2 /NDF: 1999718.9/37

- sign 27.951 $\pm$ 0.007 χ^2 /NDF: 767169.7/19

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.011 χ^2/NDF : 12.5/15

Left Out: 0.032 ± 0.027 χ^2/NDF : 0.6/1

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

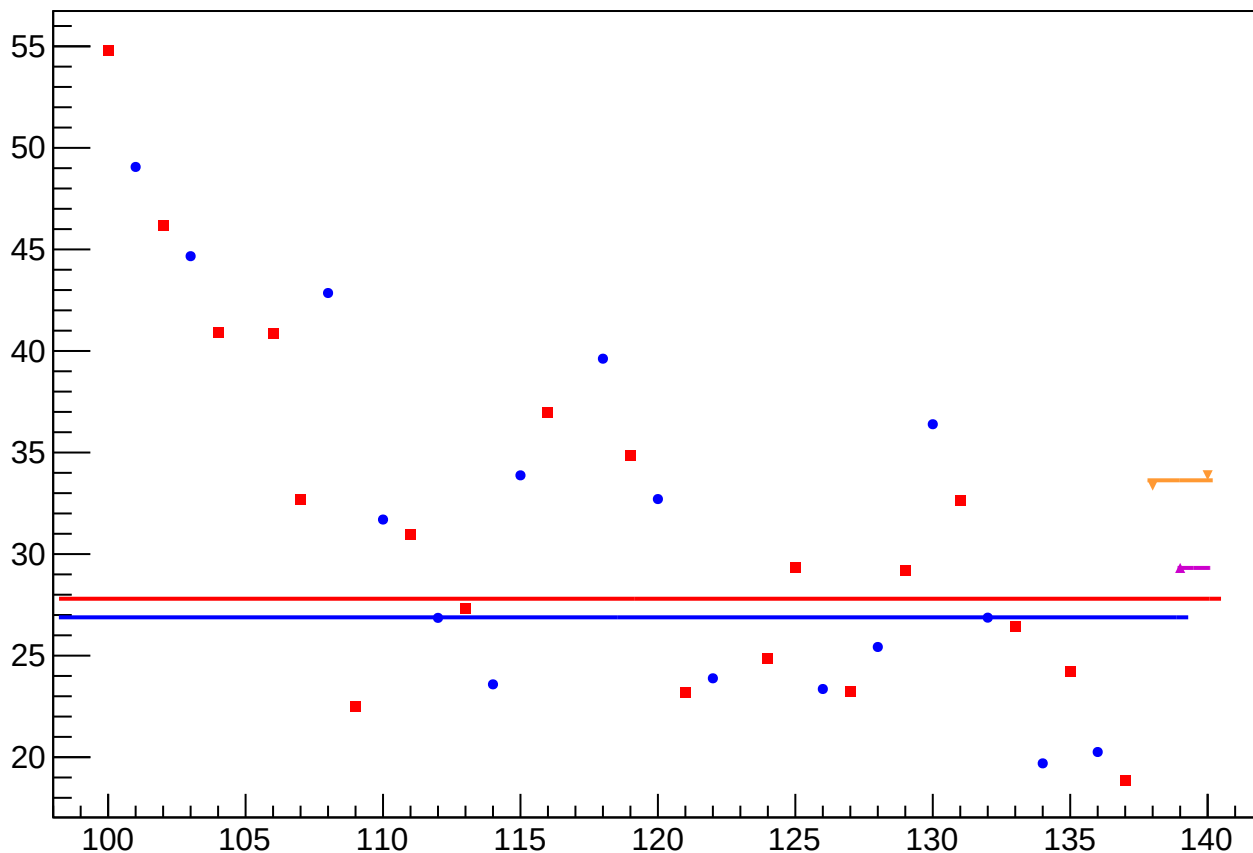
Left In: 0.002 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 33.9/37

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/19

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.886 $\pm$ 0.007 χ^2 /NDF: 1120557.7/15

Left Out: 33.632 $\pm$ 0.019 χ^2 /NDF: 182.3/1

Right Out: 27.802 $\pm$ 0.007 χ^2 /NDF: 763106.1/18

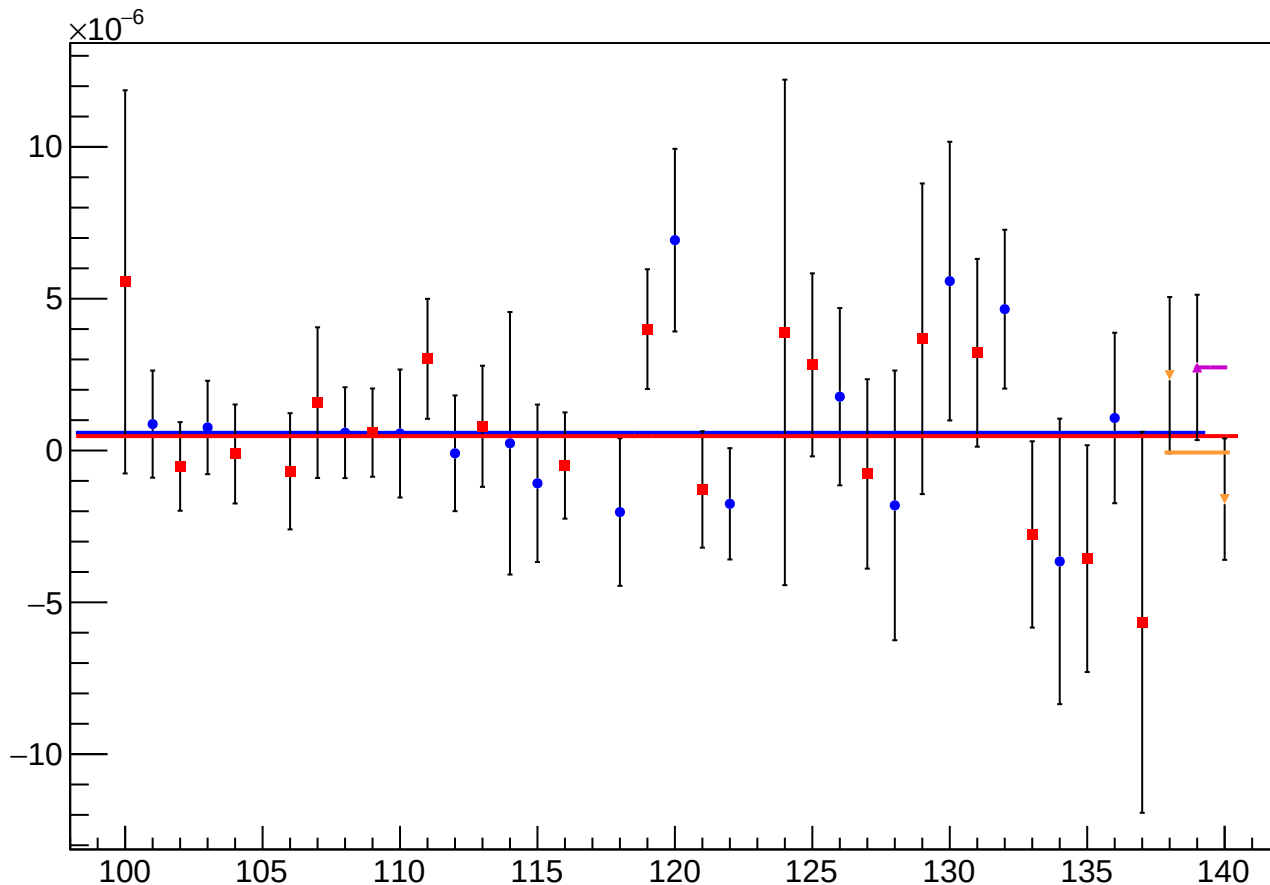
Left In: 29.319 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232315.8/17

All: 27.873 $\pm$ 0.005 χ^2 /NDF: 1999718.9/37

- sign 27.951 $\pm$ 0.007 χ^2 /NDF: 767169.7/19

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/18

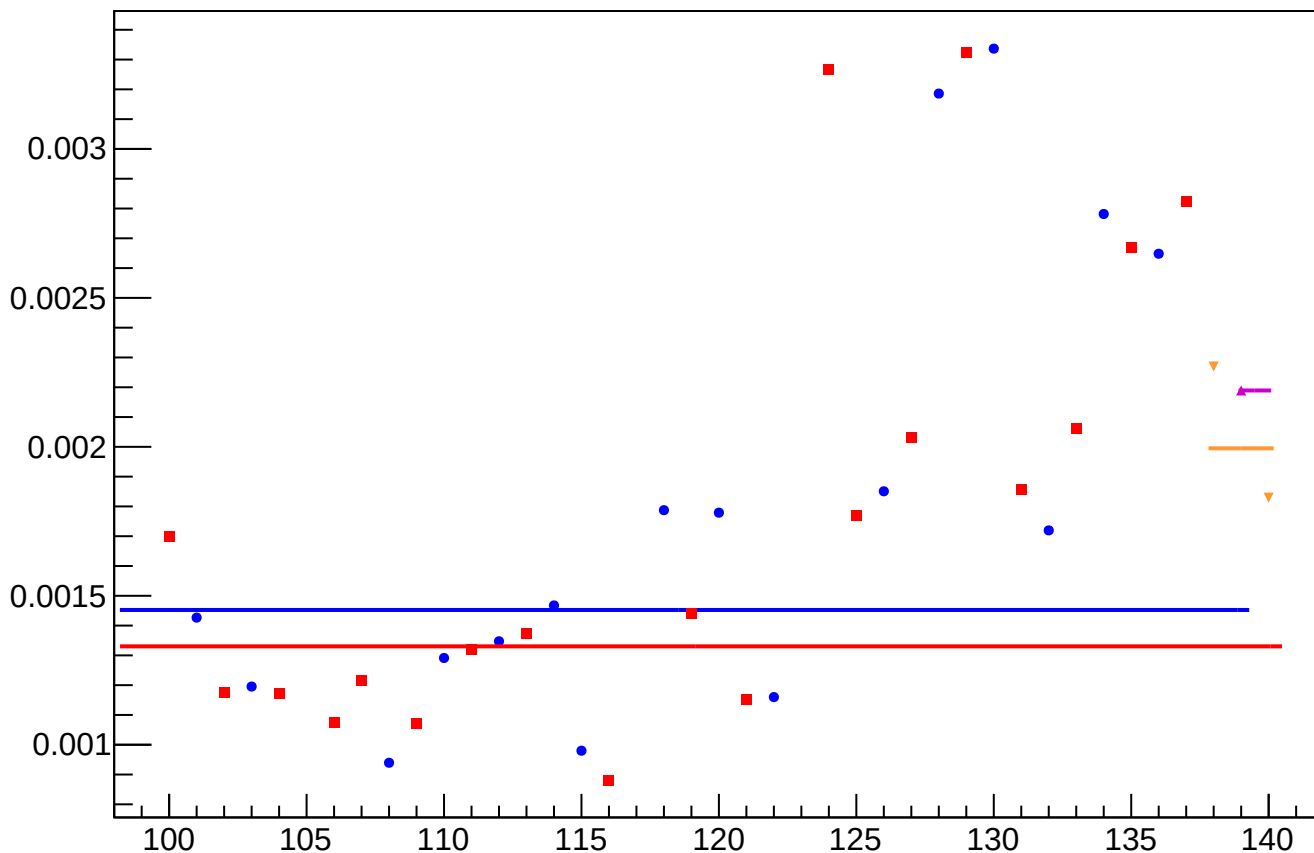
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/19

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 1710487.9/15

Left Out: 0.002+/-0.000 χ^2/NDF : 36458.6/1

Right Out: 0.001+/-0.000 χ^2/NDF : 1402821.5/18

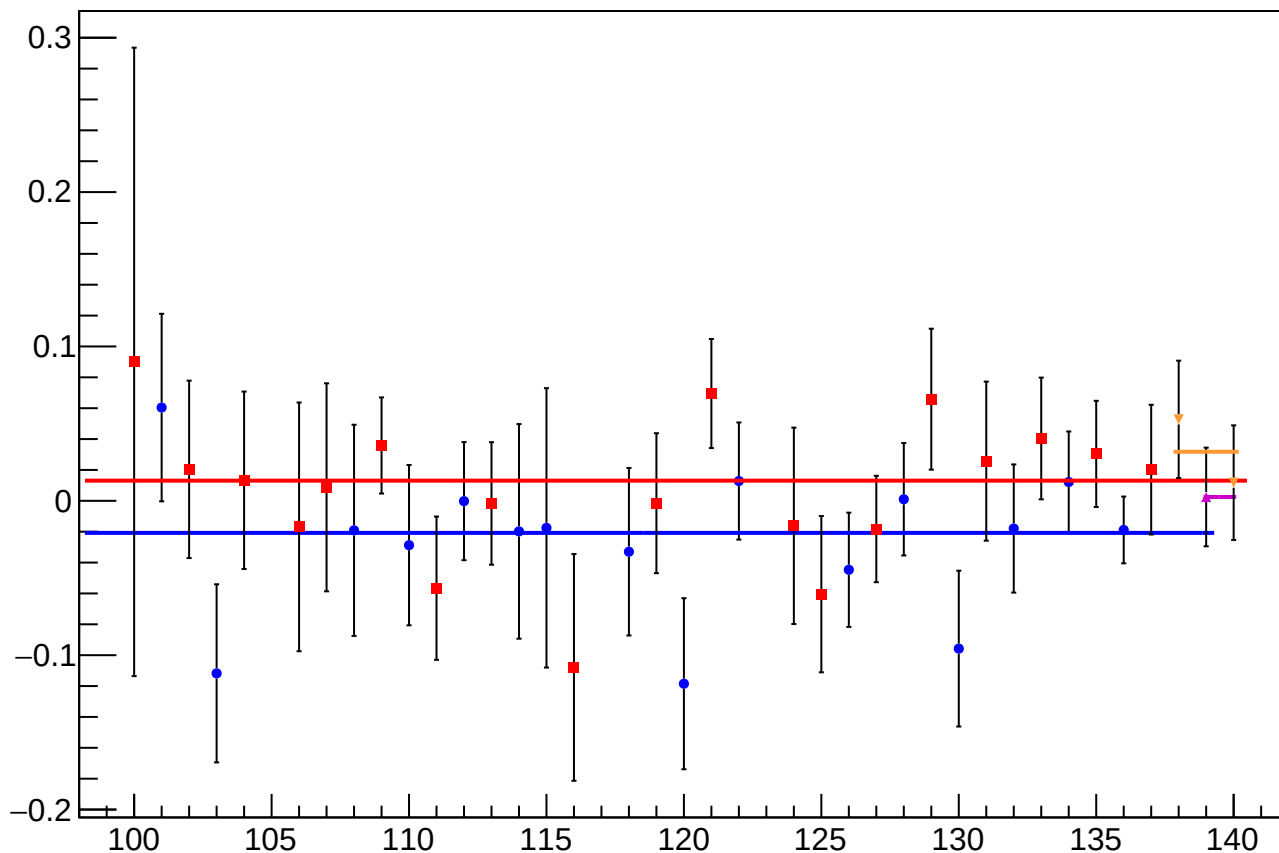
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 1955230.8/17

All: 0.001+/-0.000 χ^2/NDF : 3682965.1/37

- sign 0.001+/-0.000 χ^2/NDF : 1648739.0/19

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.011 χ^2/NDF : 12.5/15

Left Out: 0.032 ± 0.027 χ^2/NDF : 0.6/1

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

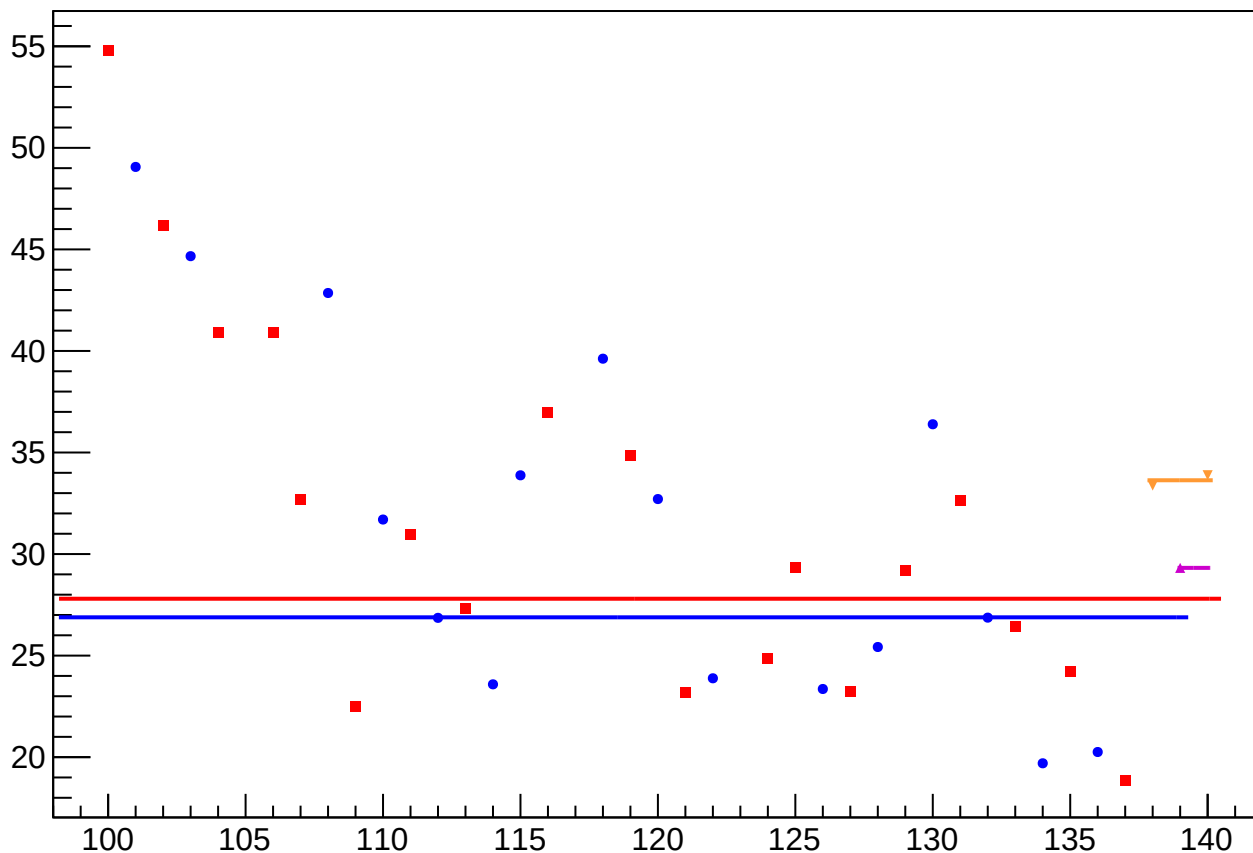
Left In: 0.002 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 33.9/37

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/19

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885 $\pm$ 0.007 χ^2 /NDF: 1120567.7/15

Left Out: 33.633 $\pm$ 0.019 χ^2 /NDF:182.0/1

Right Out: 27.800 $\pm$ 0.007 χ^2 /NDF: 763213.5/18

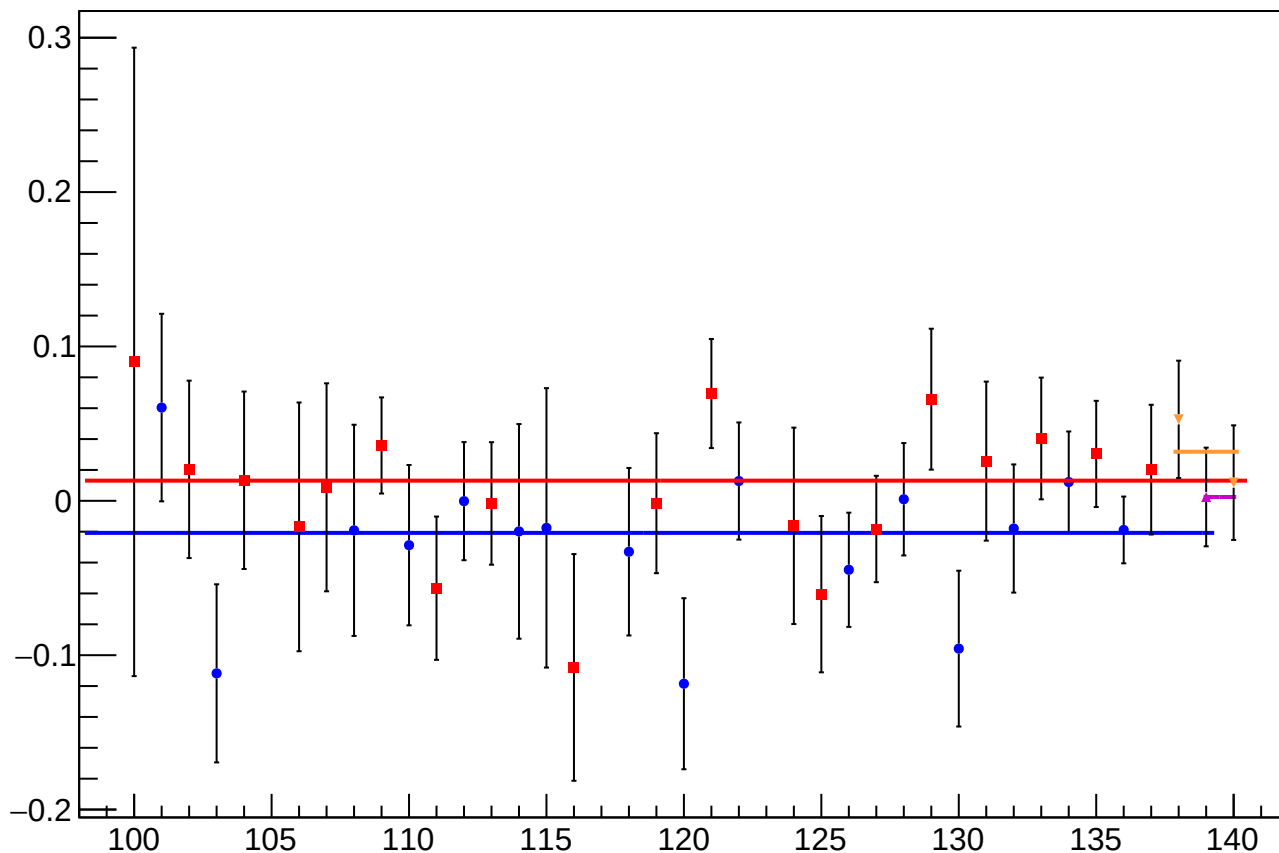
Left In: 29.320 $\pm$ 0.023 χ^2 /NDF:0.0/0

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232388.3/17

All: 27.872 $\pm$ 0.005 χ^2 /NDF: 1999909.9/37

- sign 27.949 $\pm$ 0.007 χ^2 /NDF: 767289.7/19

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.011 χ^2/NDF : 12.5/15

Left Out: 0.032 ± 0.027 χ^2/NDF : 0.6/1

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

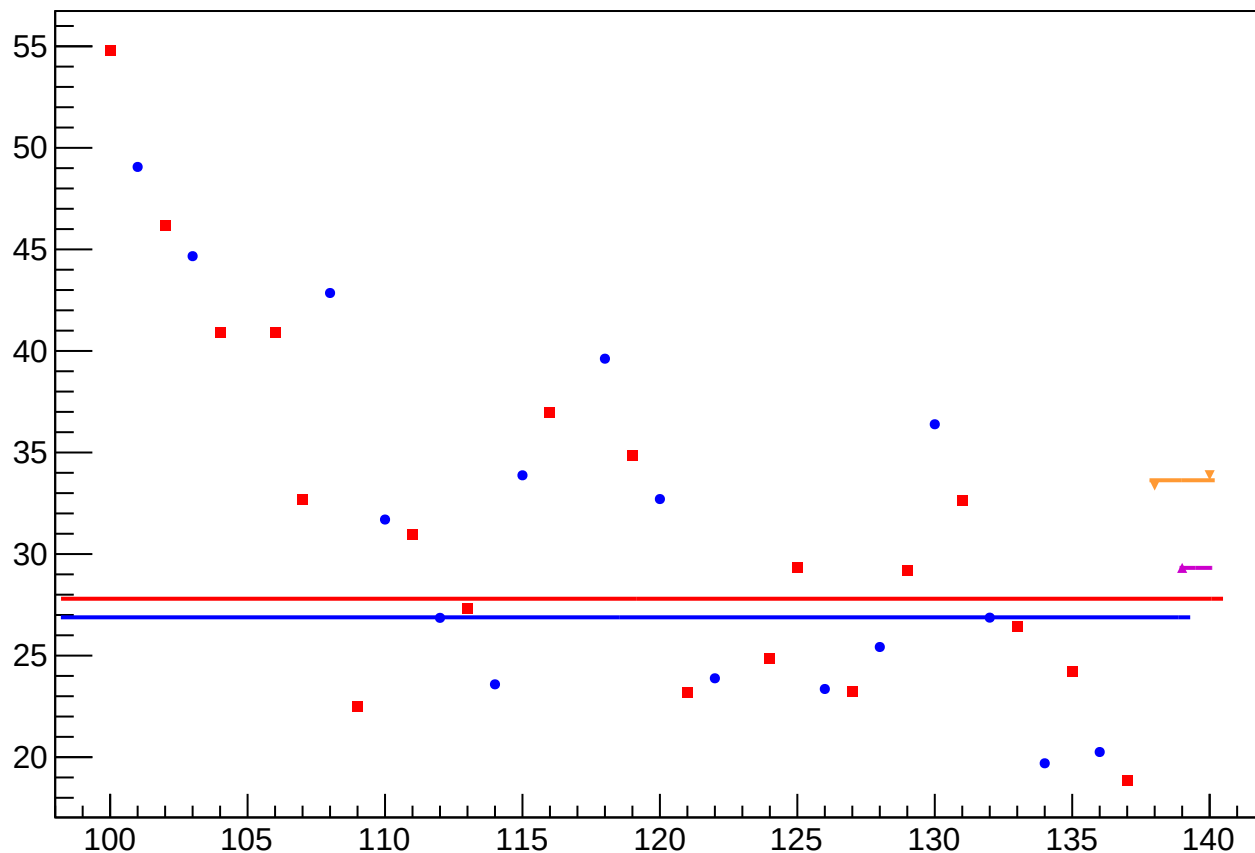
Left In: 0.002 ± 0.032 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 33.9/37

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/19

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.885 $\pm$ 0.007 χ^2 /NDF: 1120567.7/15

Left Out: 33.633 $\pm$ 0.019 χ^2 /NDF: 182.0/1

Right Out: 27.800 $\pm$ 0.007 χ^2 /NDF: 763213.5/18

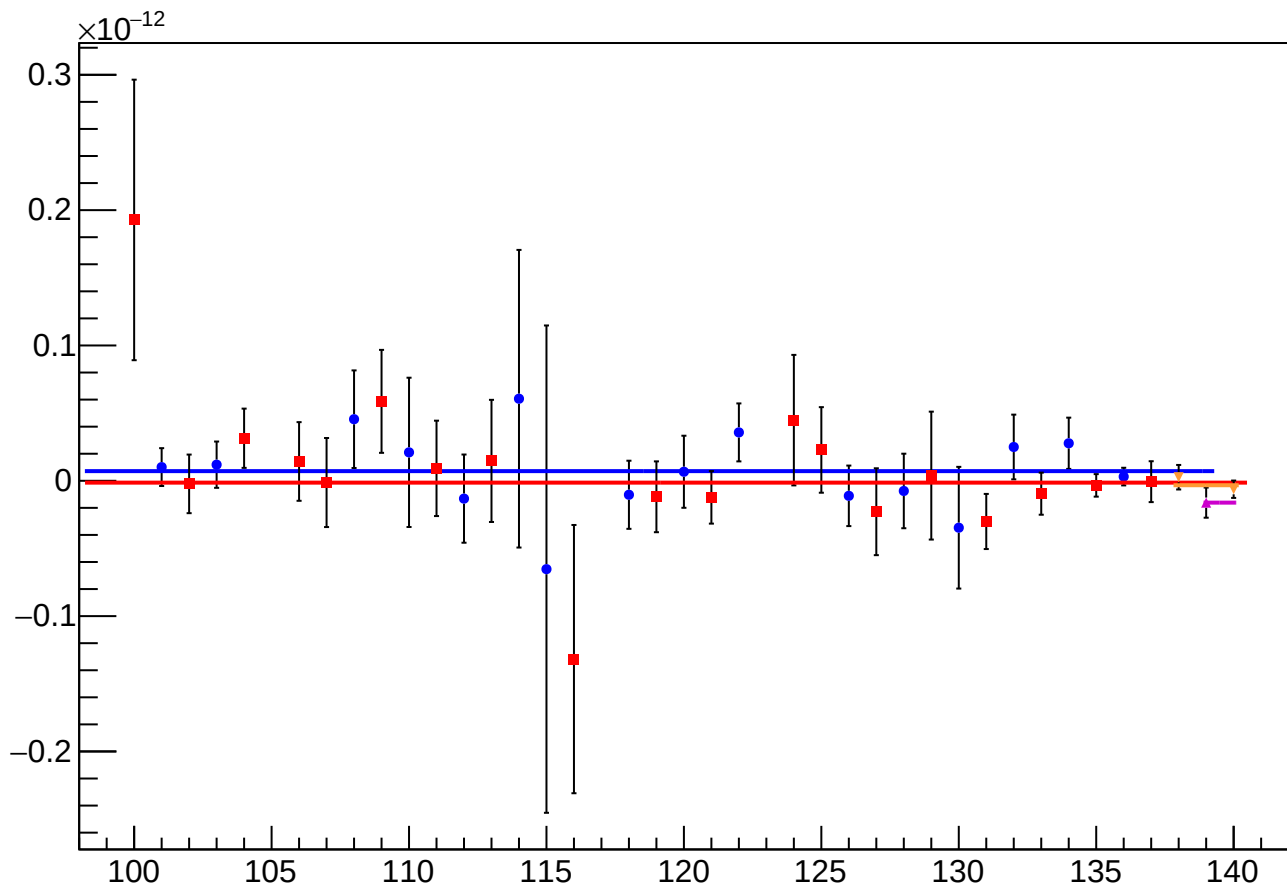
Left In: 29.320 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232388.3/17

All: 27.872 $\pm$ 0.005 χ^2 /NDF: 1999909.9/37

- sign 27.949 $\pm$ 0.007 χ^2 /NDF: 767289.7/19

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/18

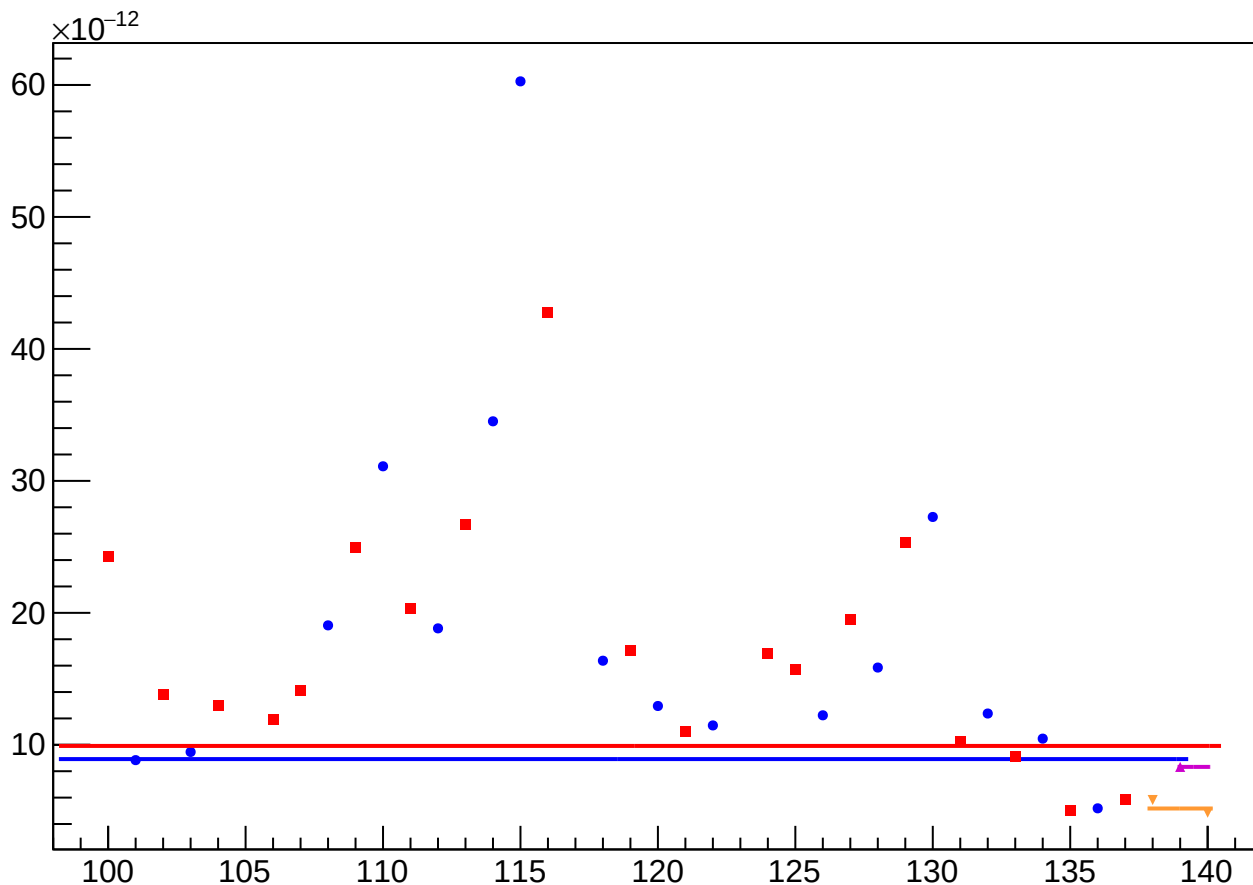
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/19

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 15045.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2669812.1/18

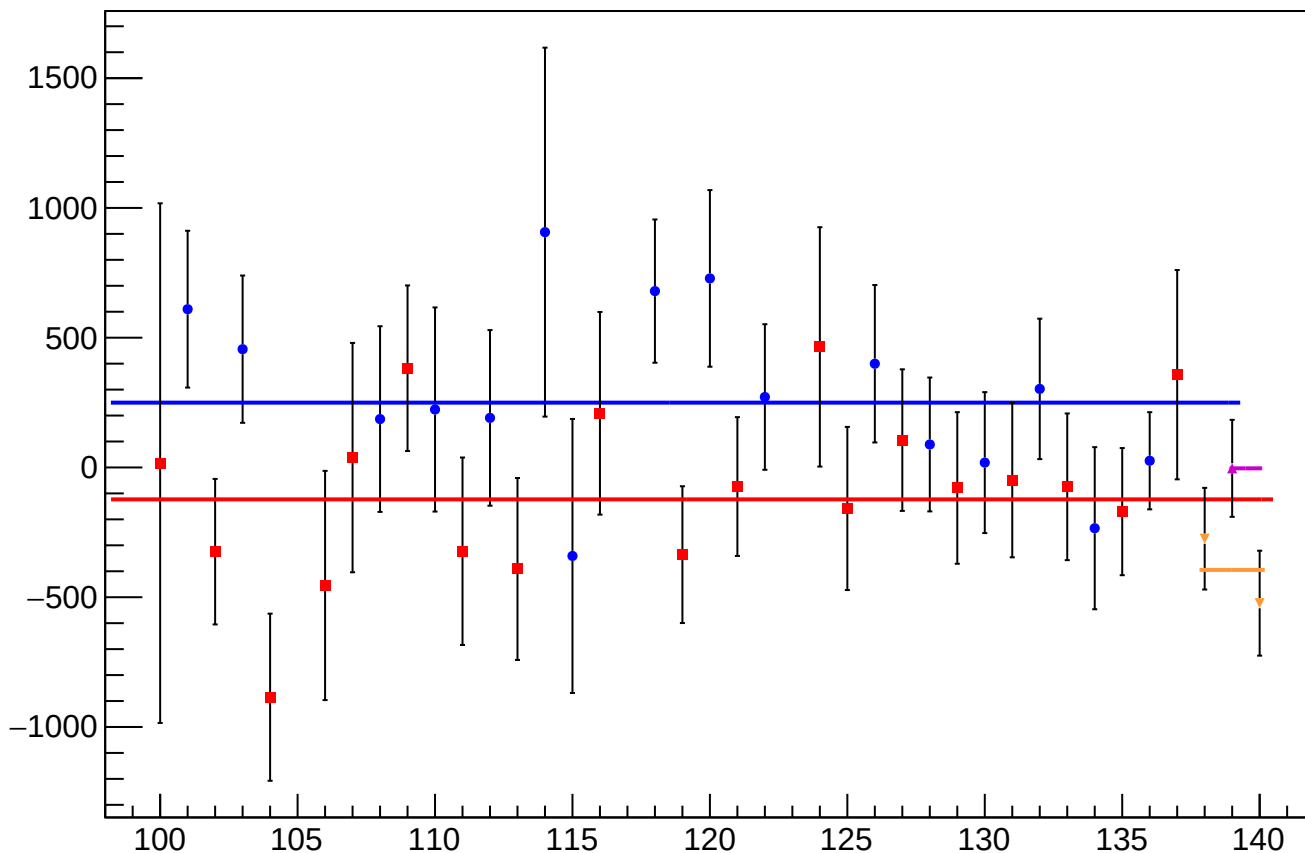
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2997726.4/17

All: 0.000+/-0.000 χ^2/NDF : 6045399.8/37

- sign 0.000+/-0.000 χ^2/NDF : 2703782.7/19

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761 $\pm$ 74.877 χ^2 /NDF: 13.8/15

Left Out: -394.793 $\pm$ 140.657 χ^2 /NDF: 0.8/1

Right Out: -122.993 $\pm$ 74.370 χ^2 /NDF: 15.6/18

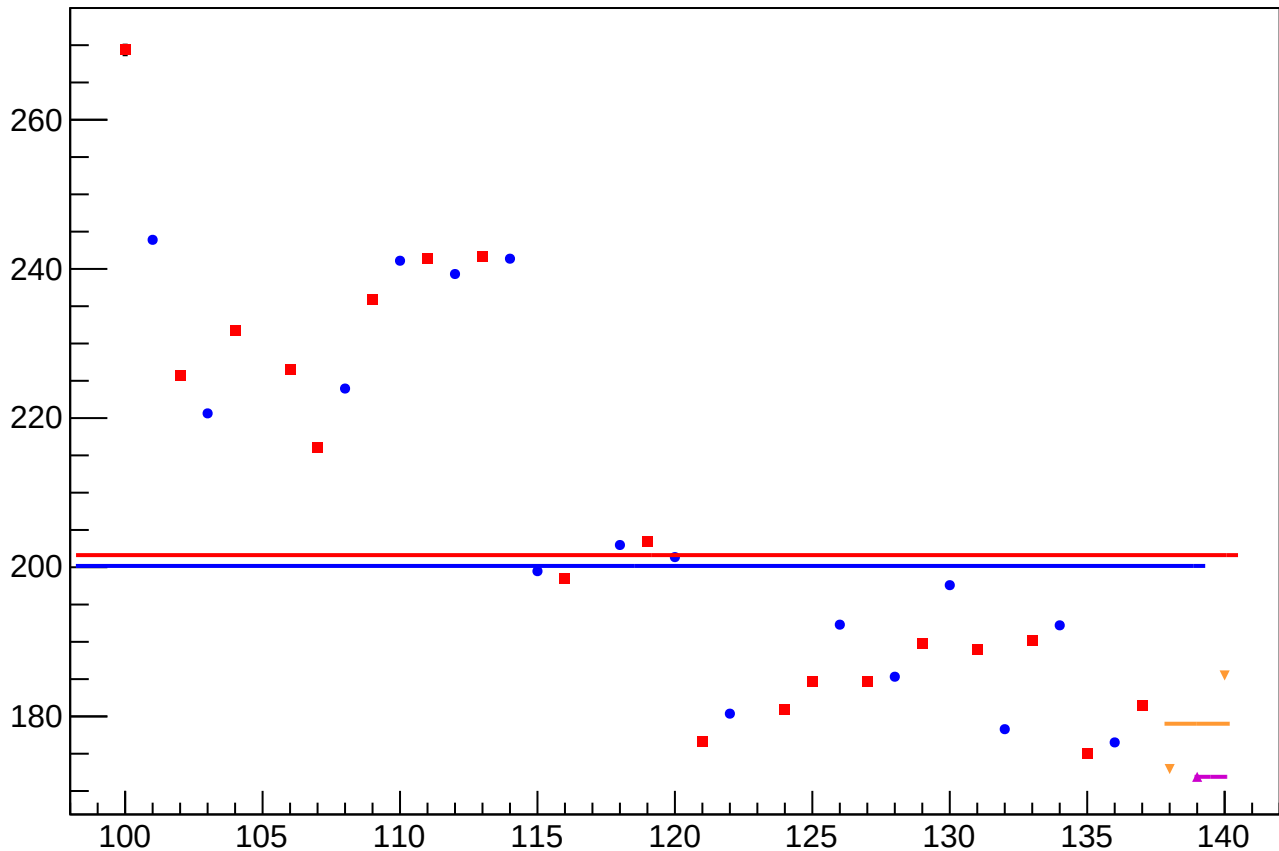
Left In: -3.391 $\pm$ 186.846 χ^2 /NDF: 0.0/0

+ sign 107.437 $\pm$ 66.095 χ^2 /NDF: 30.9/17

All: 5.152 $\pm$ 47.763 χ^2 /NDF: 51.8/37

- sign -106.636 $\pm$ 69.098 χ^2 /NDF: 15.9/19

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF : 181001.3/15

Left Out: 179.020+/-0.099 χ^2/NDF : 3975.0/1

Right Out: 201.627+/-0.053 χ^2/NDF : 197245.7/18

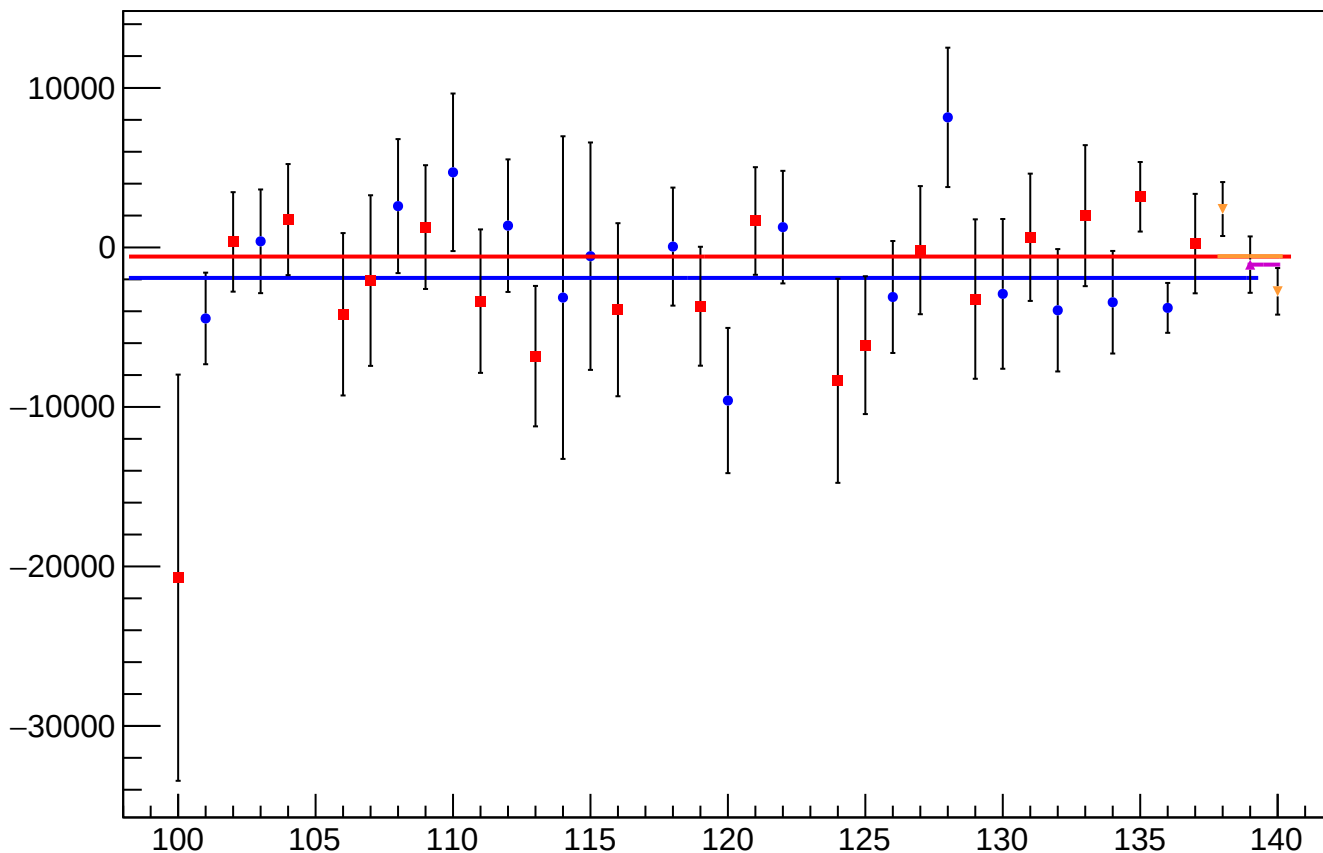
Left In: 171.902+/-0.132 χ^2/NDF : 0.0/0

+ sign 195.505+/-0.047 χ^2/NDF : 220233.2/17

All: 196.488+/-0.034 χ^2/NDF : 462099.4/37

- sign 197.562+/-0.049 χ^2/NDF : 240940.9/19

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348 $\pm$ 859.088 χ^2 /NDF: 16.3/15

Left Out: -546.087 $\pm$ 1105.510 χ^2 /NDF: 5.3/1

Right Out: -570.946 $\pm$ 900.451 χ^2 /NDF: 14.6/18

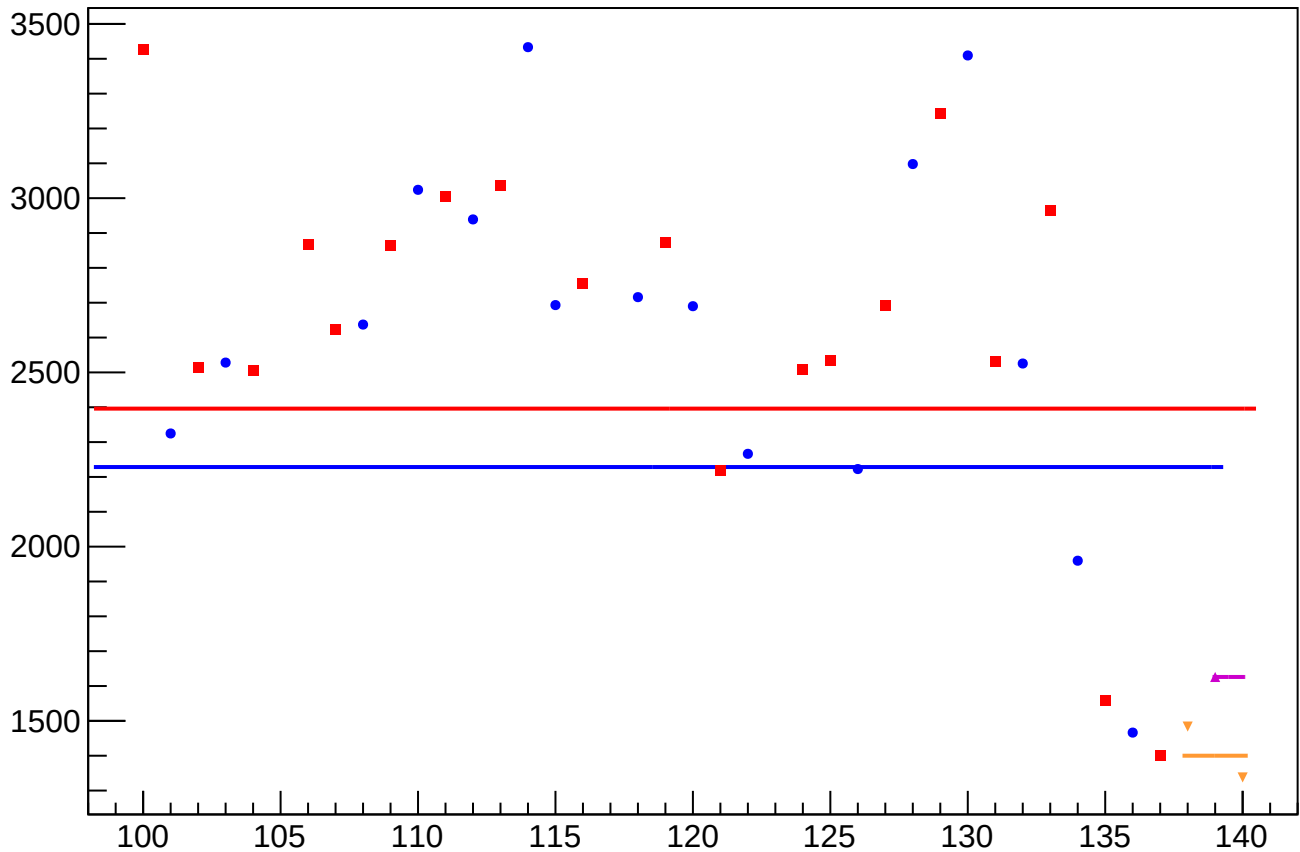
Left In: -1076.020 $\pm$ 1767.614 χ^2 /NDF: 0.0/0

+ sign -1396.689 $\pm$ 678.347 χ^2 /NDF: 22.5/17

All: -1095.864 $\pm$ 518.019 χ^2 /NDF: 37.7/37

- sign -675.010 $\pm$ 802.344 χ^2 /NDF: 14.7/19

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF : 947654.8/15

Left Out: 1400.033+/-0.782 χ^2/NDF : 8530.4/1

Right Out: 2396.080+/-0.637 χ^2/NDF : 799442.5/18

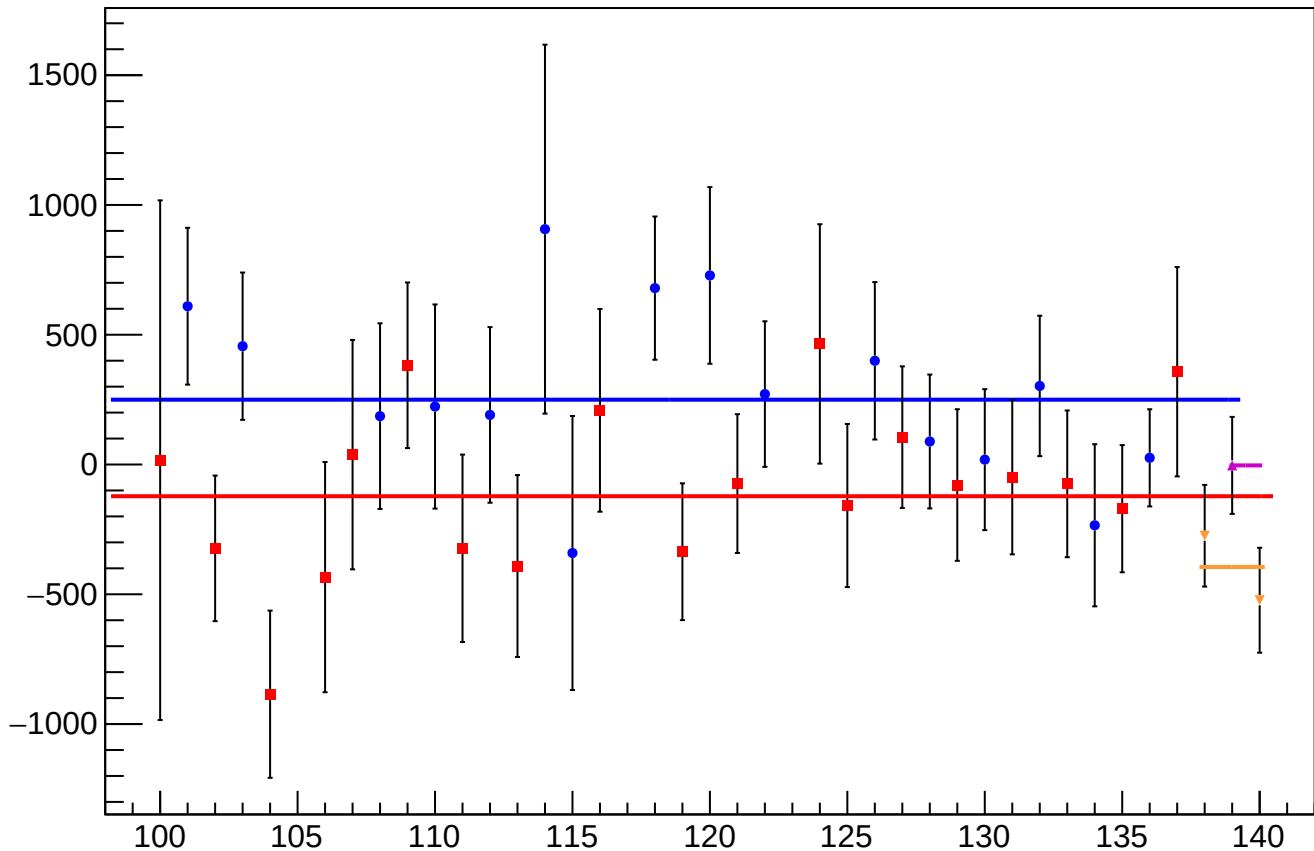
Left In: 1626.009+/-1.250 χ^2/NDF : 0.0/0

+ sign 1916.530+/-0.480 χ^2/NDF : 1656368.1/17

All: 2050.289+/-0.366 χ^2/NDF : 2943743.7/37

- sign 2237.417+/-0.567 χ^2/NDF : 1100823.7/19

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 $\pm$ 74.877 χ^2 /NDF: 13.8/15

Left Out: -394.786 $\pm$ 140.657 χ^2 /NDF: 0.8/1

Right Out: -122.210 $\pm$ 74.380 χ^2 /NDF: 15.5/18

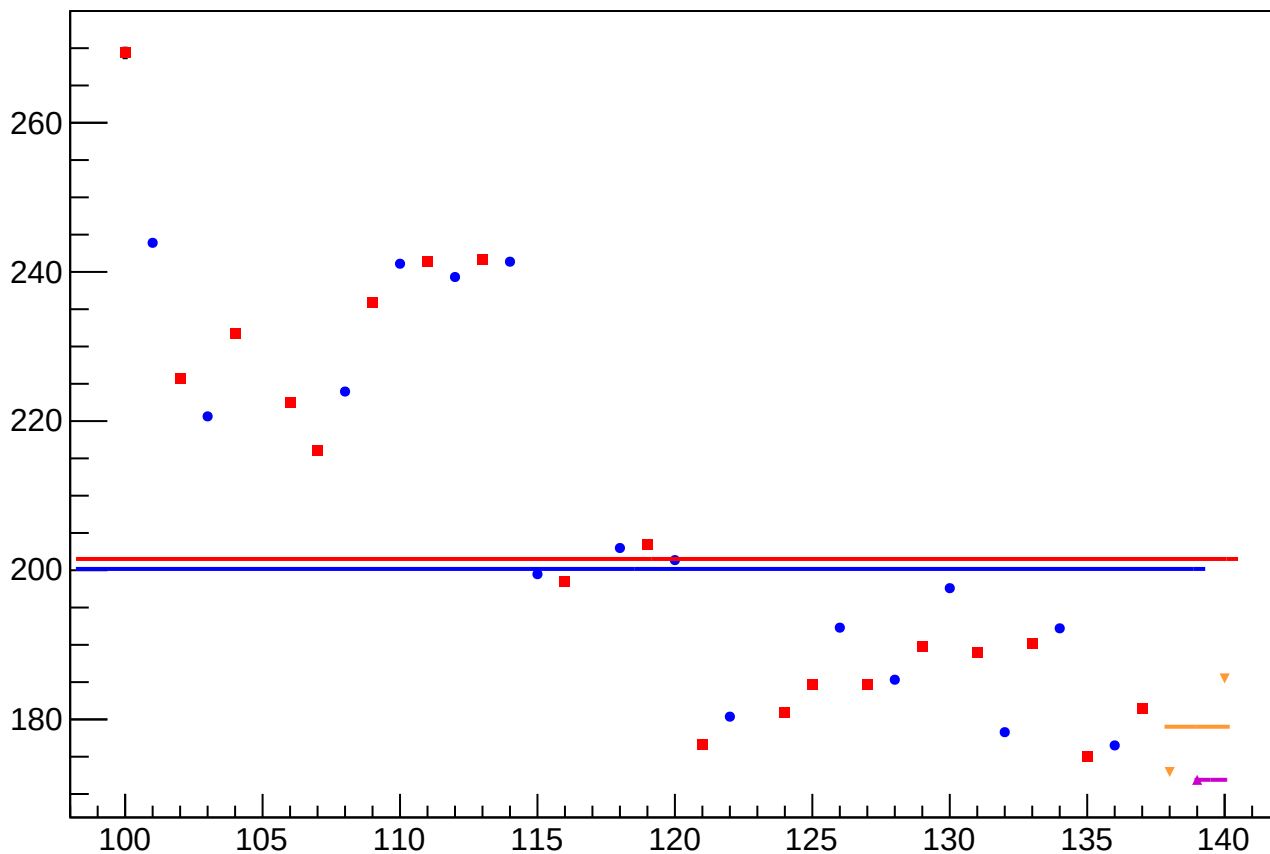
Left In: -3.422 $\pm$ 186.846 χ^2 /NDF: 0.0/0

+ sign 107.441 $\pm$ 66.095 χ^2 /NDF: 30.9/17

All: 5.489 $\pm$ 47.765 χ^2 /NDF: 51.7/37

- sign -105.960 $\pm$ 69.106 χ^2 /NDF: 15.8/19

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 179.020 $\pm$ 0.099 χ^2 /NDF: 3975.0/1

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

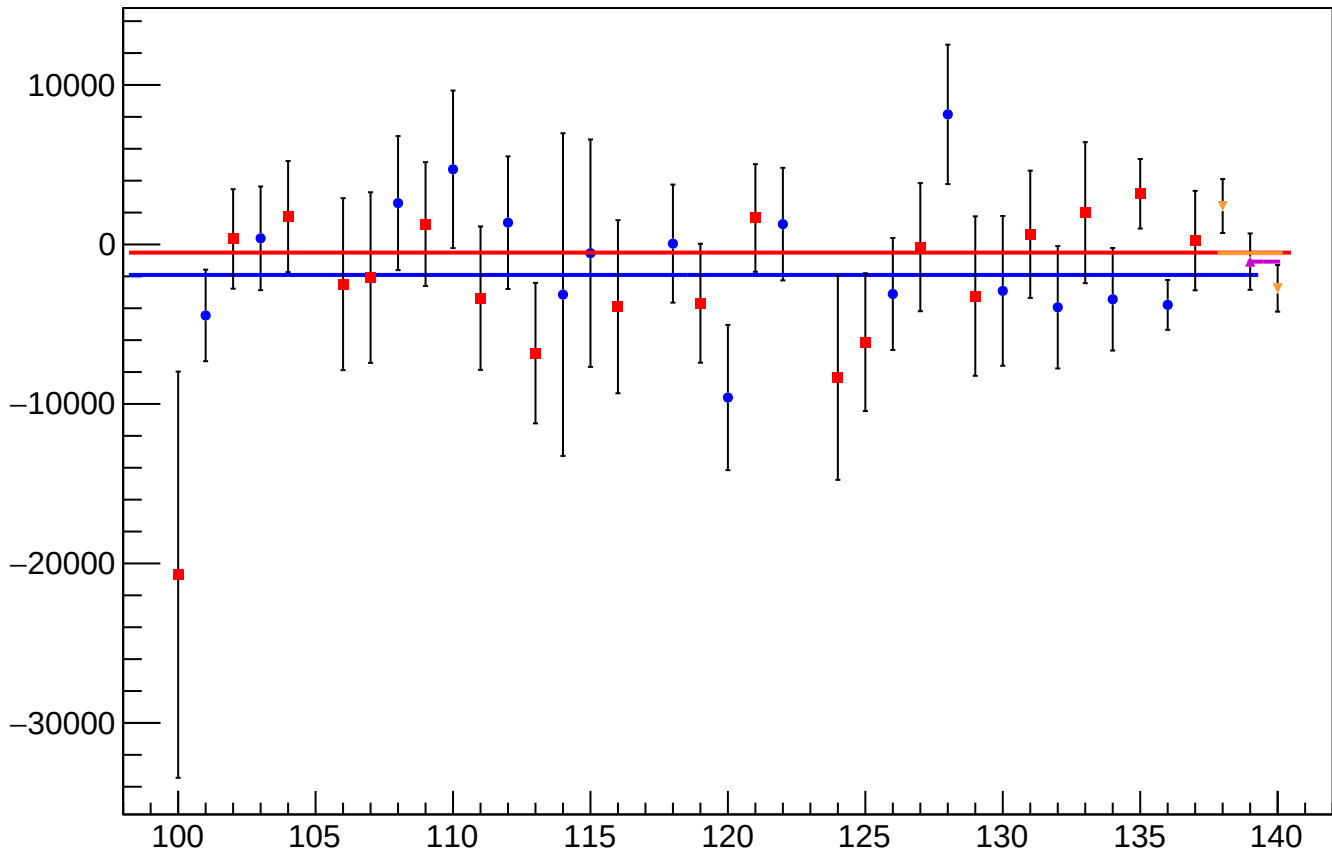
Left In: 171.902 $\pm$ 0.132 χ^2 /NDF: 0.0/0

+ sign 195.505 $\pm$ 0.047 χ^2 /NDF: 220233.6/17

All: 196.441 $\pm$ 0.034 χ^2 /NDF: 459866.2/37

- sign 197.464 $\pm$ 0.049 χ^2 /NDF: 238793.8/19

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310 ± 859.089 χ^2/NDF : 16.3/15

Left Out: -546.115 ± 1105.510 χ^2/NDF : 5.3/1

Right Out: -511.276 ± 902.014 χ^2/NDF : 14.2/18

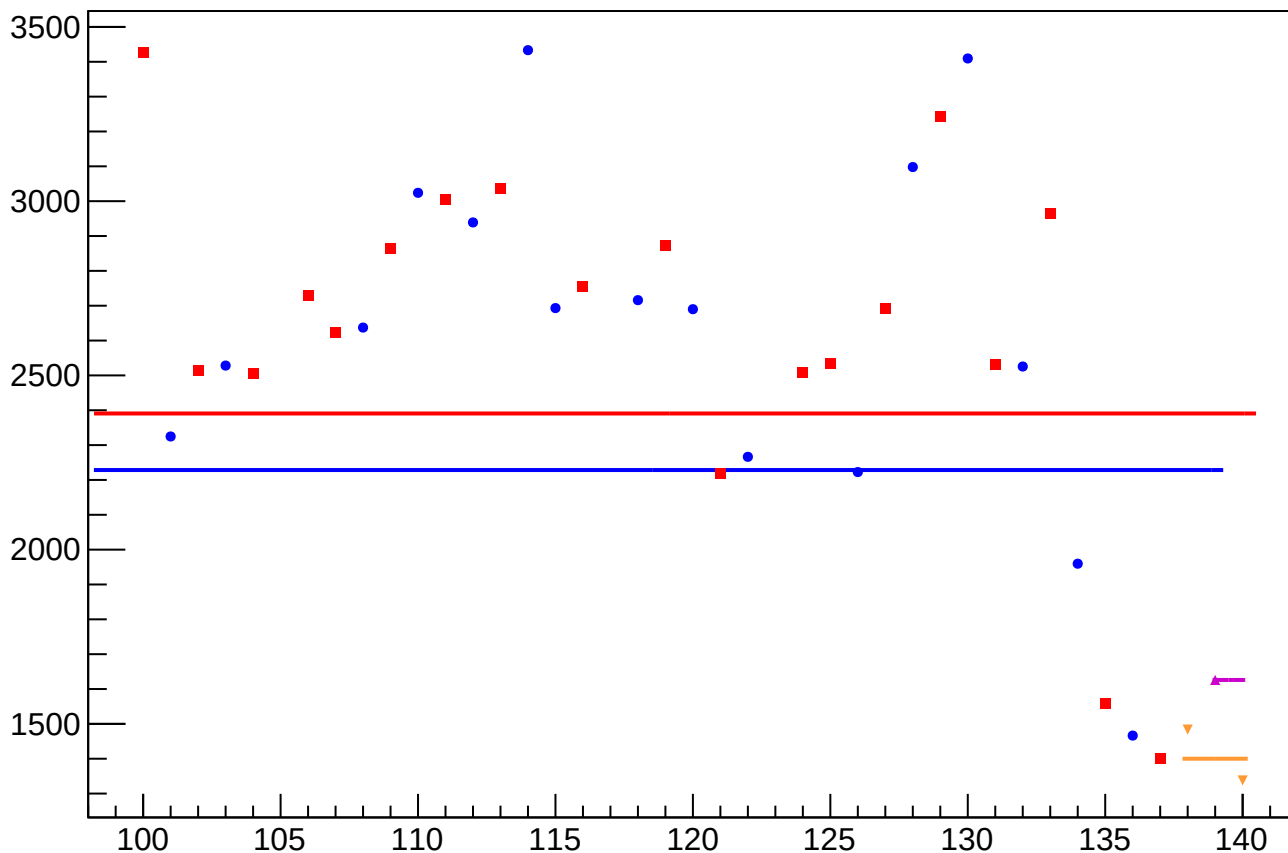
Left In: -1076.047 ± 1767.614 χ^2/NDF : 0.0/0

+ sign -1396.674 ± 678.348 χ^2/NDF : 22.5/17

All: -1076.757 ± 518.316 χ^2/NDF : 37.4/37

- sign -627.961 ± 803.449 χ^2/NDF : 14.3/19

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435 $\pm$ 0.607 χ^2 /NDF: 947659.2/15

Left Out: 1400.033 $\pm$ 0.782 χ^2 /NDF: 8530.8/1

Right Out: 2390.731 $\pm$ 0.638 χ^2 /NDF: 790004.4/18

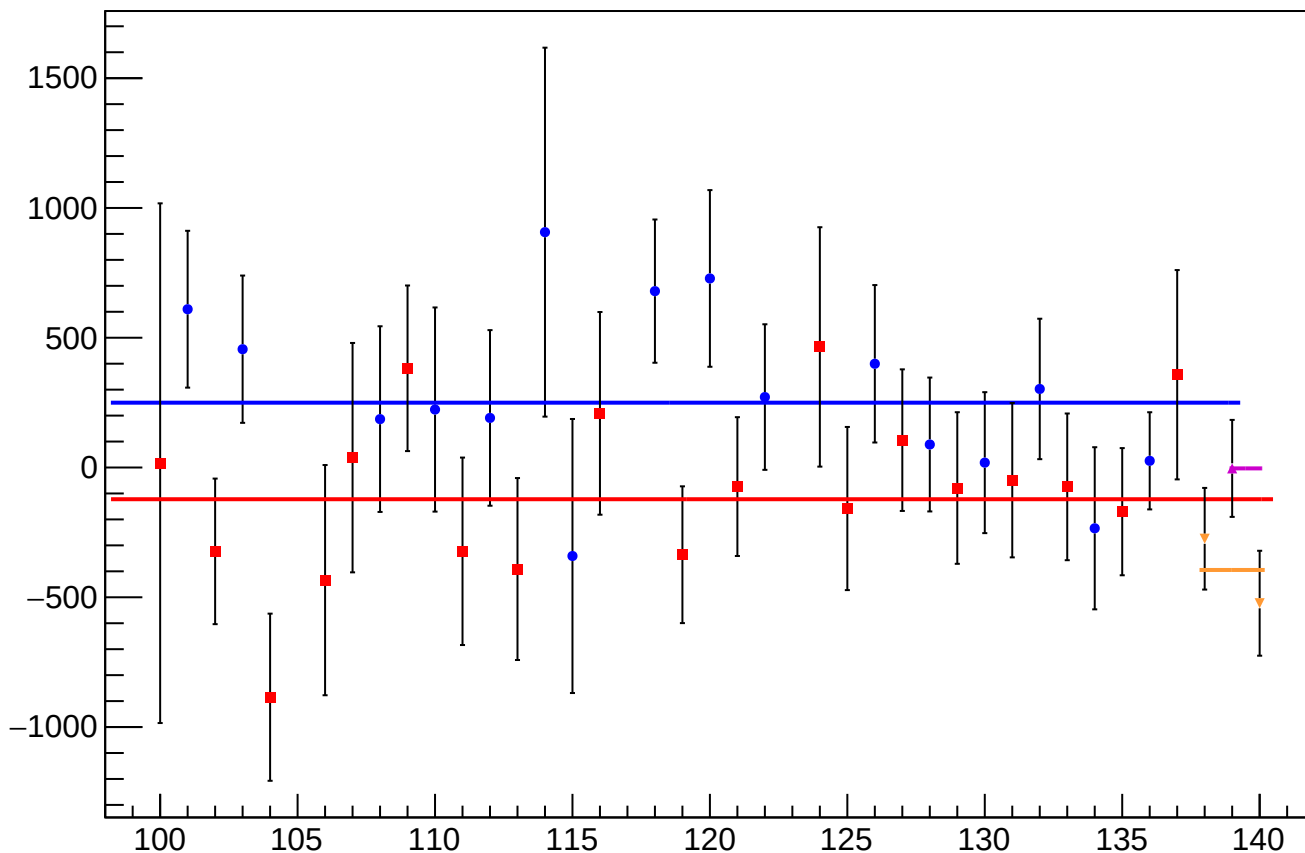
Left In: 1626.010 $\pm$ 1.250 χ^2 /NDF: 0.0/0

+ sign 1916.532 $\pm$ 0.480 χ^2 /NDF: 1656378.3/17

All: 2048.127 $\pm$ 0.367 χ^2 /NDF: 2924234.8/37

- sign 2232.736 $\pm$ 0.568 χ^2 /NDF: 1087000.1/19

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 ± 74.877 χ^2/NDF : 13.8/15

Left Out: -394.786 ± 140.657 χ^2/NDF : 0.8/1

Right Out: -122.210 ± 74.380 χ^2/NDF : 15.5/18

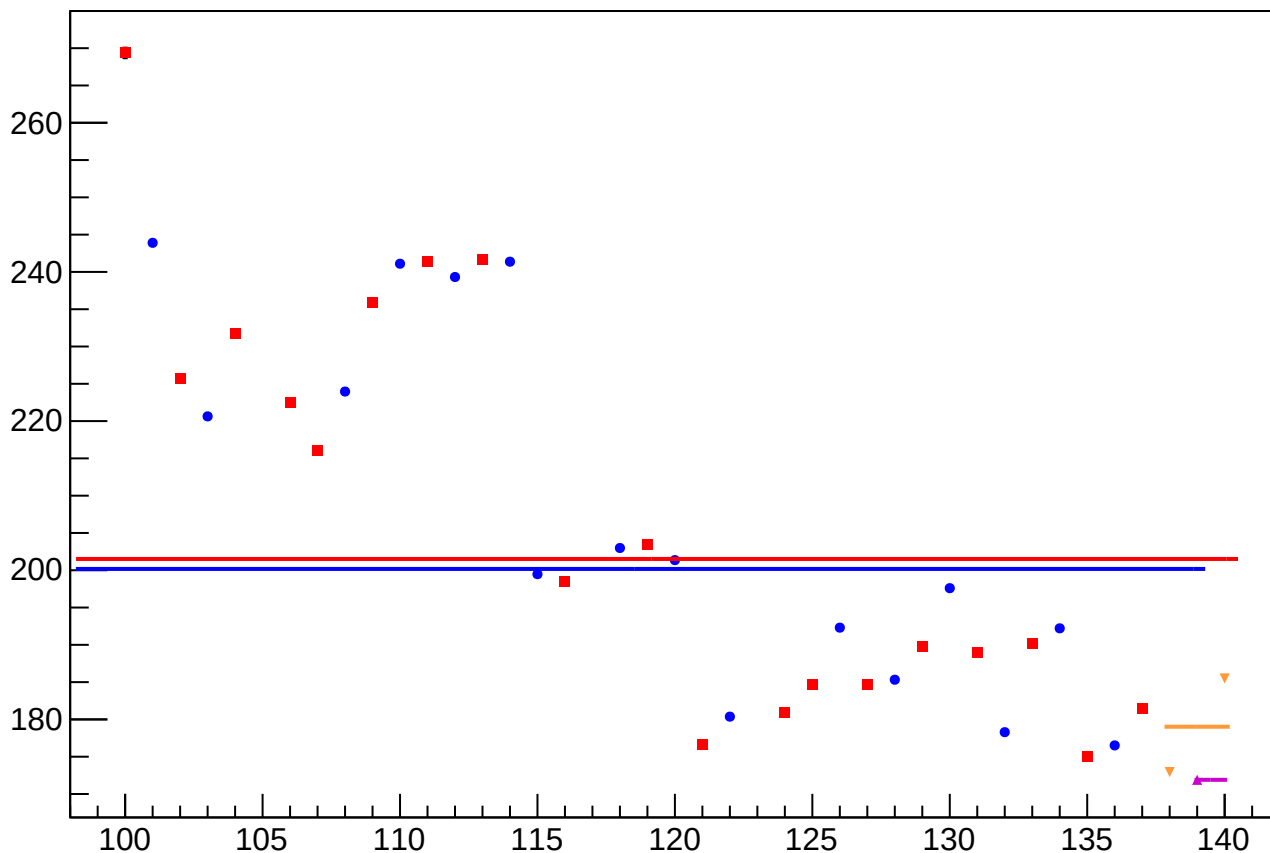
Left In: -3.422 ± 186.846 χ^2/NDF : 0.0/0

+ sign 107.441 ± 66.095 χ^2/NDF : 30.9/17

All: 5.489 ± 47.765 χ^2/NDF : 51.7/37

- sign -105.960 ± 69.106 χ^2/NDF : 15.8/19

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 179.020 $\pm$ 0.099 χ^2 /NDF: 3975.0/1

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

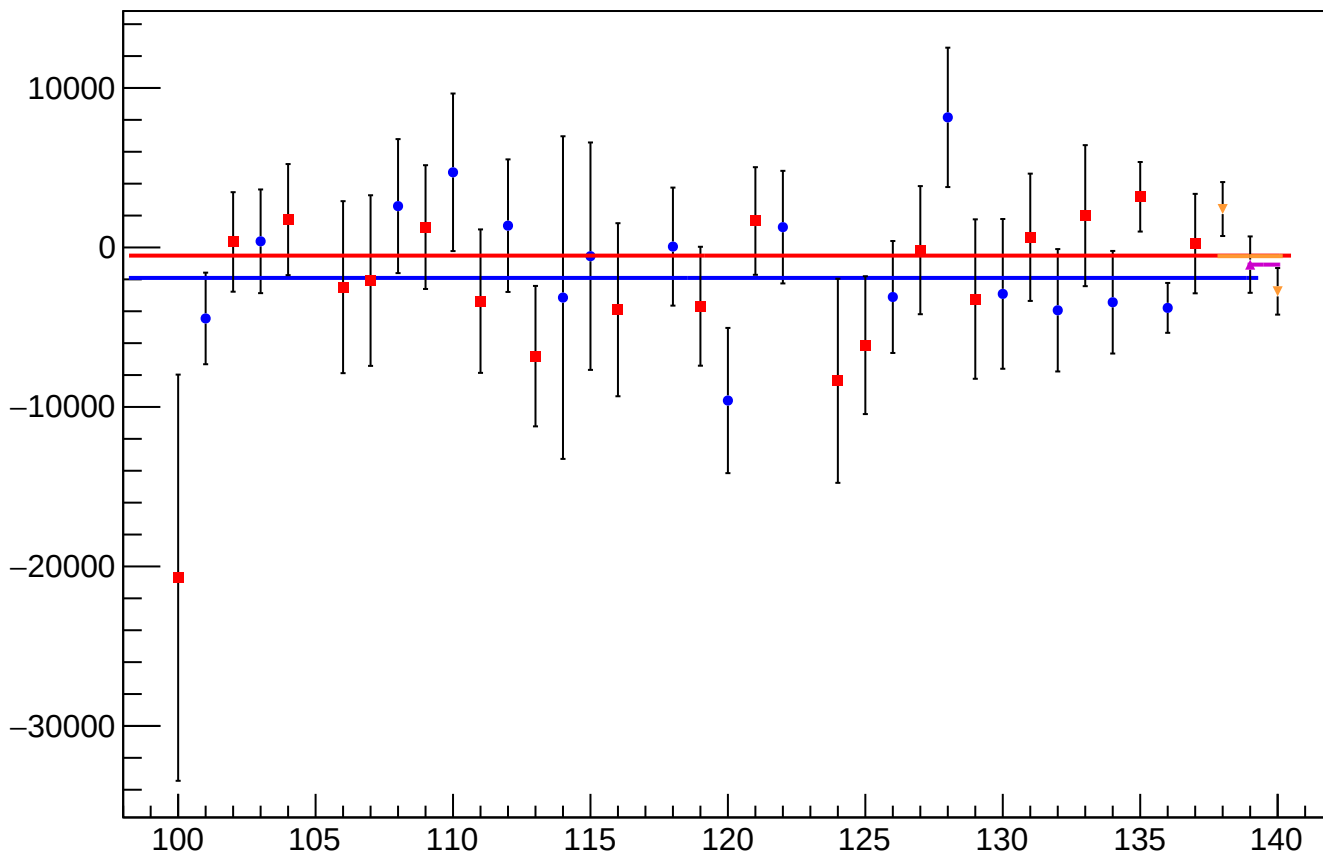
Left In: 171.902 $\pm$ 0.132 χ^2 /NDF: 0.0/0

+ sign 195.505 $\pm$ 0.047 χ^2 /NDF: 220233.6/17

All: 196.441 $\pm$ 0.034 χ^2 /NDF: 459866.2/37

- sign 197.464 $\pm$ 0.049 χ^2 /NDF: 238793.8/19

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -1910.310 $\pm$ 859.089 χ^2 /NDF: 16.3/15

Left Out: -546.115 $\pm$ 1105.510 χ^2 /NDF: 5.3/1

Right Out: -511.276 $\pm$ 902.014 χ^2 /NDF: 14.2/18

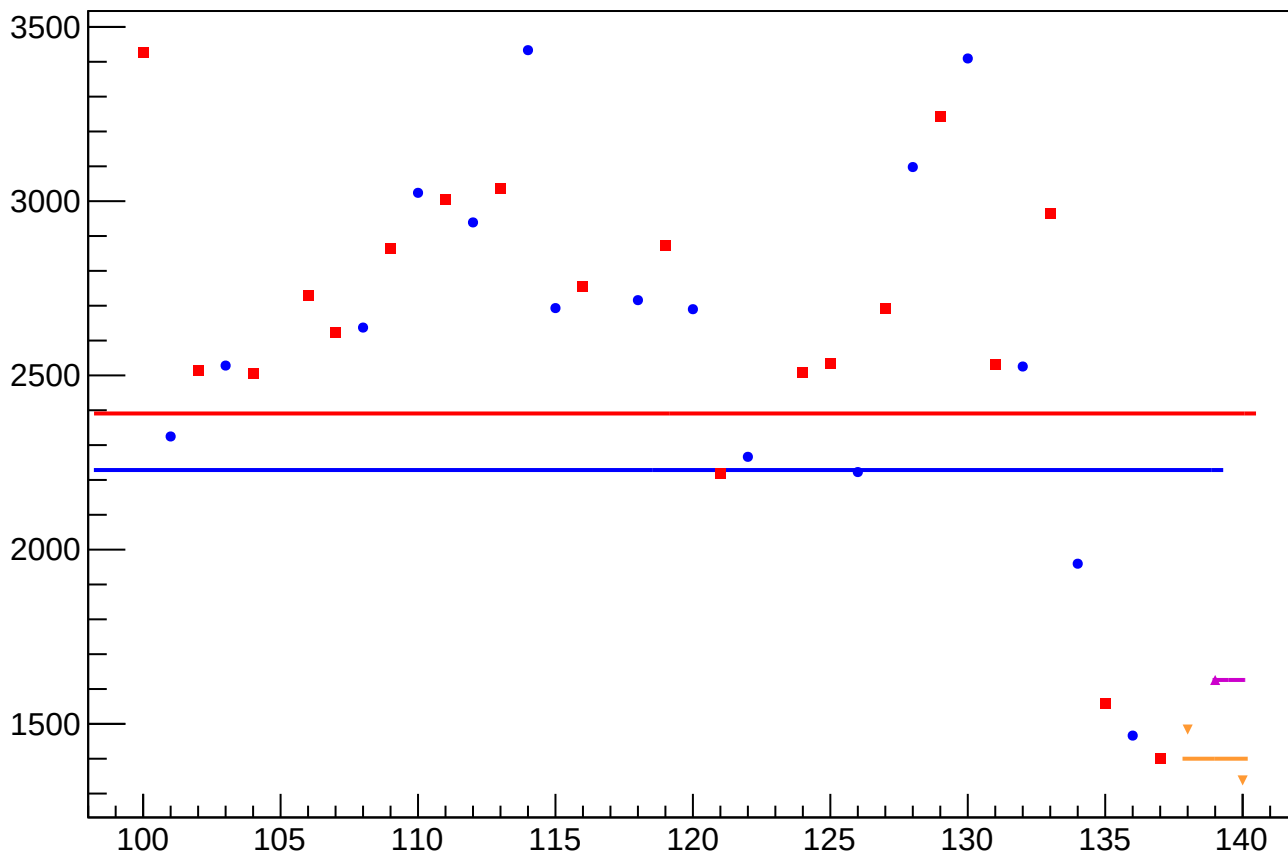
Left In: -1076.047 $\pm$ 1767.614 χ^2 /NDF: 0.0/0

+ sign -1396.674 $\pm$ 678.348 χ^2 /NDF: 22.5/17

All: -1076.757 $\pm$ 518.316 χ^2 /NDF: 37.4/37

- sign -627.961 $\pm$ 803.449 χ^2 /NDF: 14.3/19

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435 $\pm$ 0.607 χ^2 /NDF: 947659.2/15

Left Out: 1400.033 $\pm$ 0.782 χ^2 /NDF: 8530.8/1

Right Out: 2390.731 $\pm$ 0.638 χ^2 /NDF: 790004.4/18

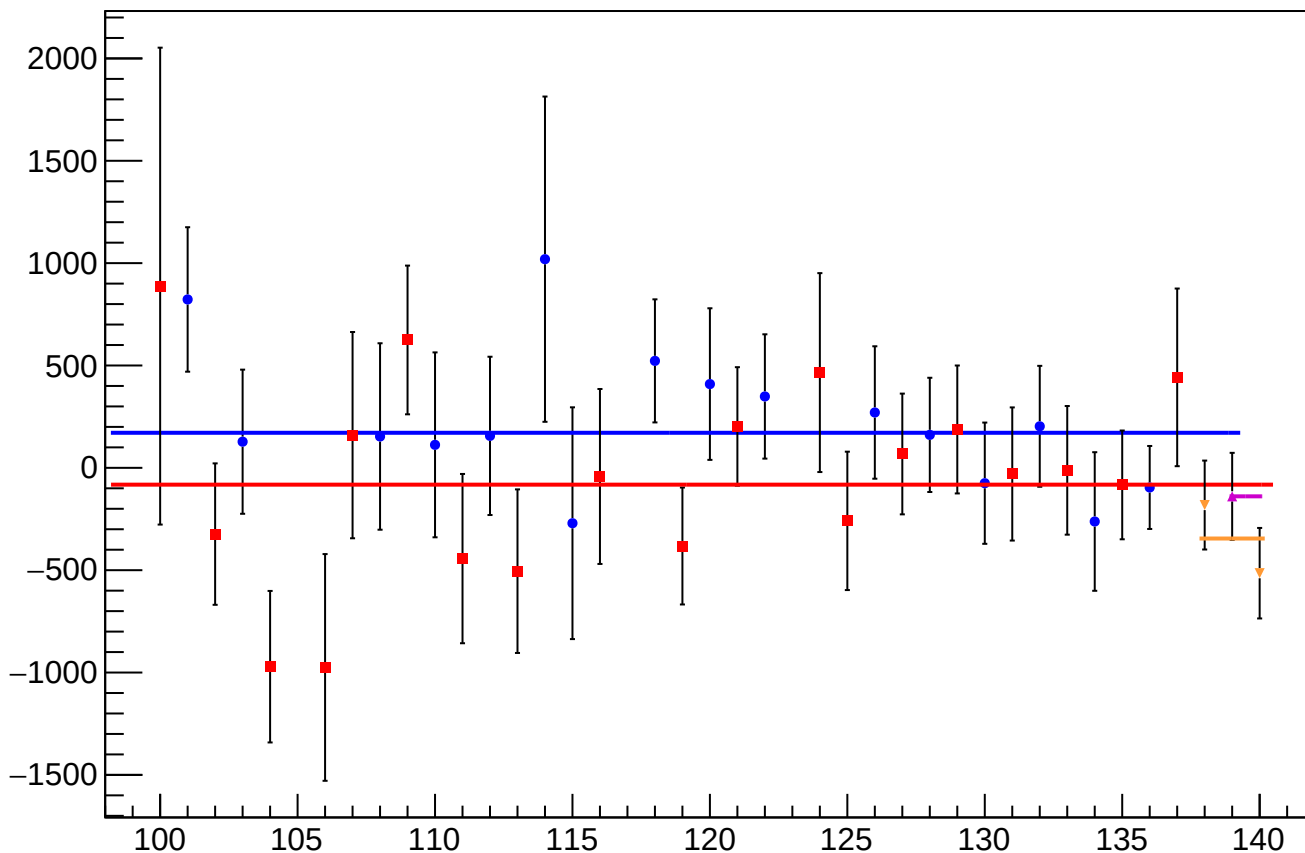
Left In: 1626.010 $\pm$ 1.250 χ^2 /NDF: 0.0/0

+ sign 1916.532 $\pm$ 0.480 χ^2 /NDF: 1656378.3/17

All: 2048.127 $\pm$ 0.367 χ^2 /NDF: 2924234.8/37

- sign 2232.736 $\pm$ 0.568 χ^2 /NDF: 1087000.1/19

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258 $\pm$ 83.116 χ^2 /NDF: 11.5/15

Left Out: -345.280 $\pm$ 154.947 χ^2 /NDF:1.2/1

Right Out: -82.152 $\pm$ 82.545 χ^2 /NDF: 21.6/18

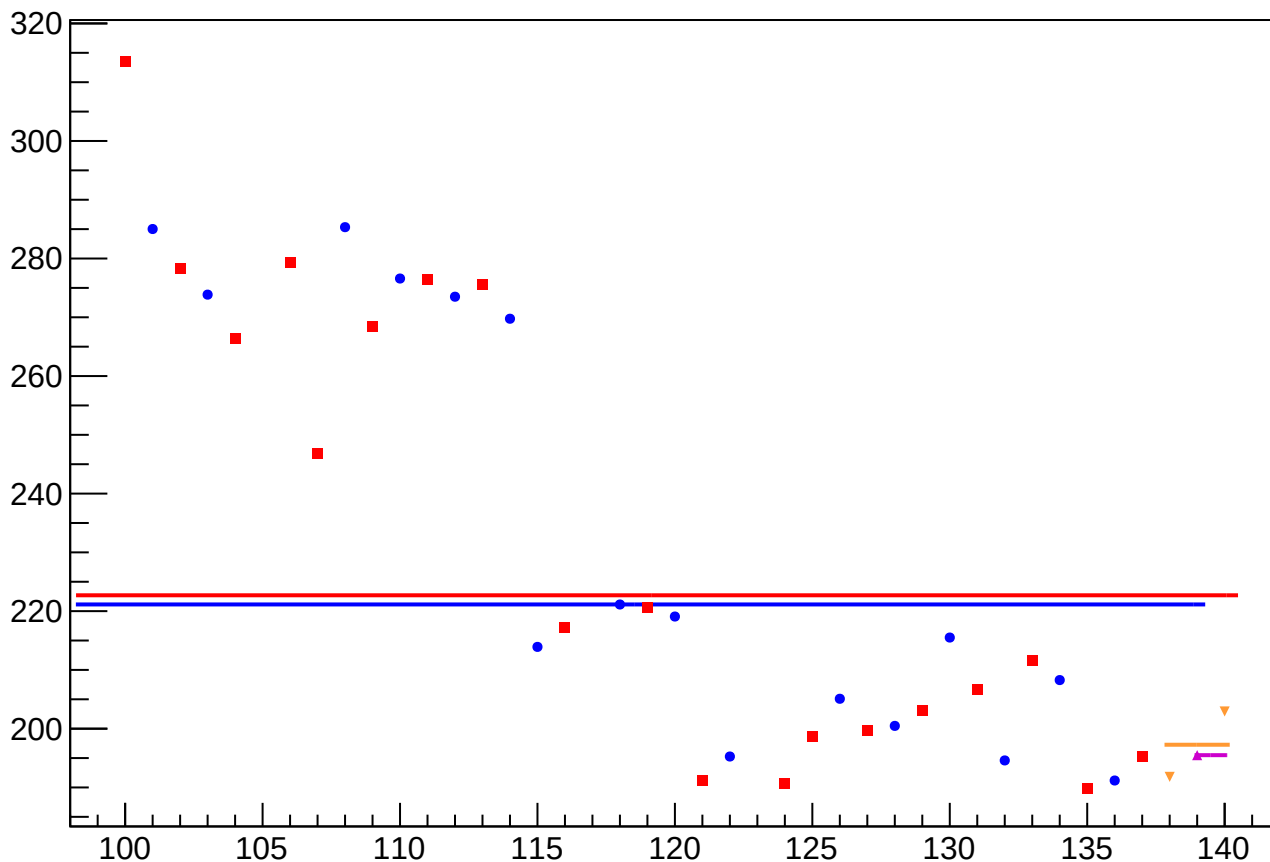
Left In: -139.232 $\pm$ 212.481 χ^2 /NDF:0.0/0

+ sign 55.840 $\pm$ 73.244 χ^2 /NDF: 21.3/17

All: -13.317 $\pm$ 53.051 χ^2 /NDF: 44.8/37

- sign -89.637 $\pm$ 76.943 χ^2 /NDF: 21.7/19

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139 $\pm$ 0.059 χ^2 /NDF: 318702.0/15

Left Out: 197.267 $\pm$ 0.110 χ^2 /NDF:2577.6/1

Right Out: 222.697 $\pm$ 0.058 χ^2 /NDF: 327032.3/18

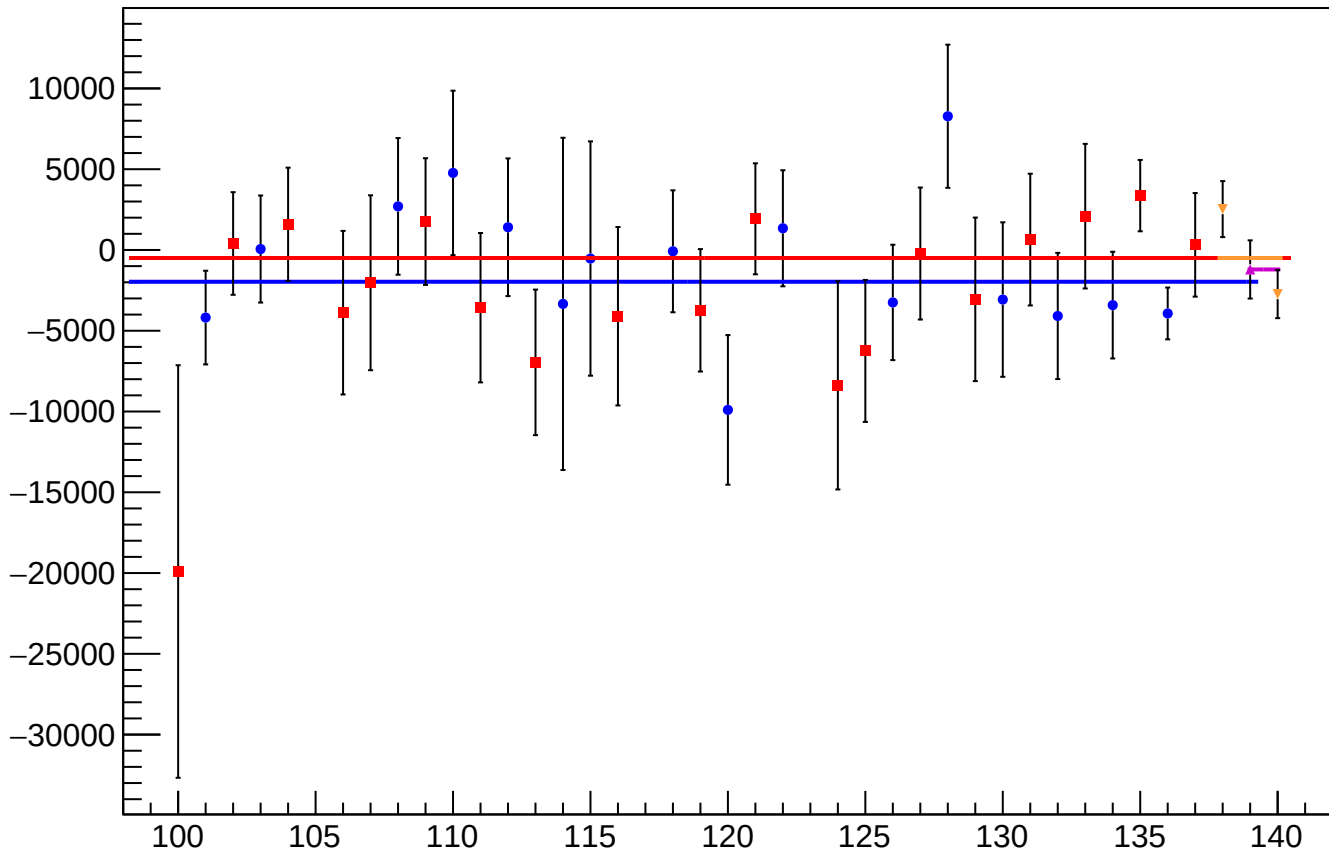
Left In: 195.493 $\pm$ 0.150 χ^2 /NDF:0.0/0

+ sign 215.805 $\pm$ 0.052 χ^2 /NDF: 358144.4/17

All: 217.386 $\pm$ 0.038 χ^2 /NDF: 715620.8/37

- sign 219.130 $\pm$ 0.054 χ^2 /NDF: 355516.7/19

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414 $\pm$ 876.610 χ^2 /NDF: 16.2/15

Left Out: -499.019 $\pm$ 1129.418 χ^2 /NDF: 5.3/1

Right Out: -497.281 $\pm$ 914.759 χ^2 /NDF: 14.8/18

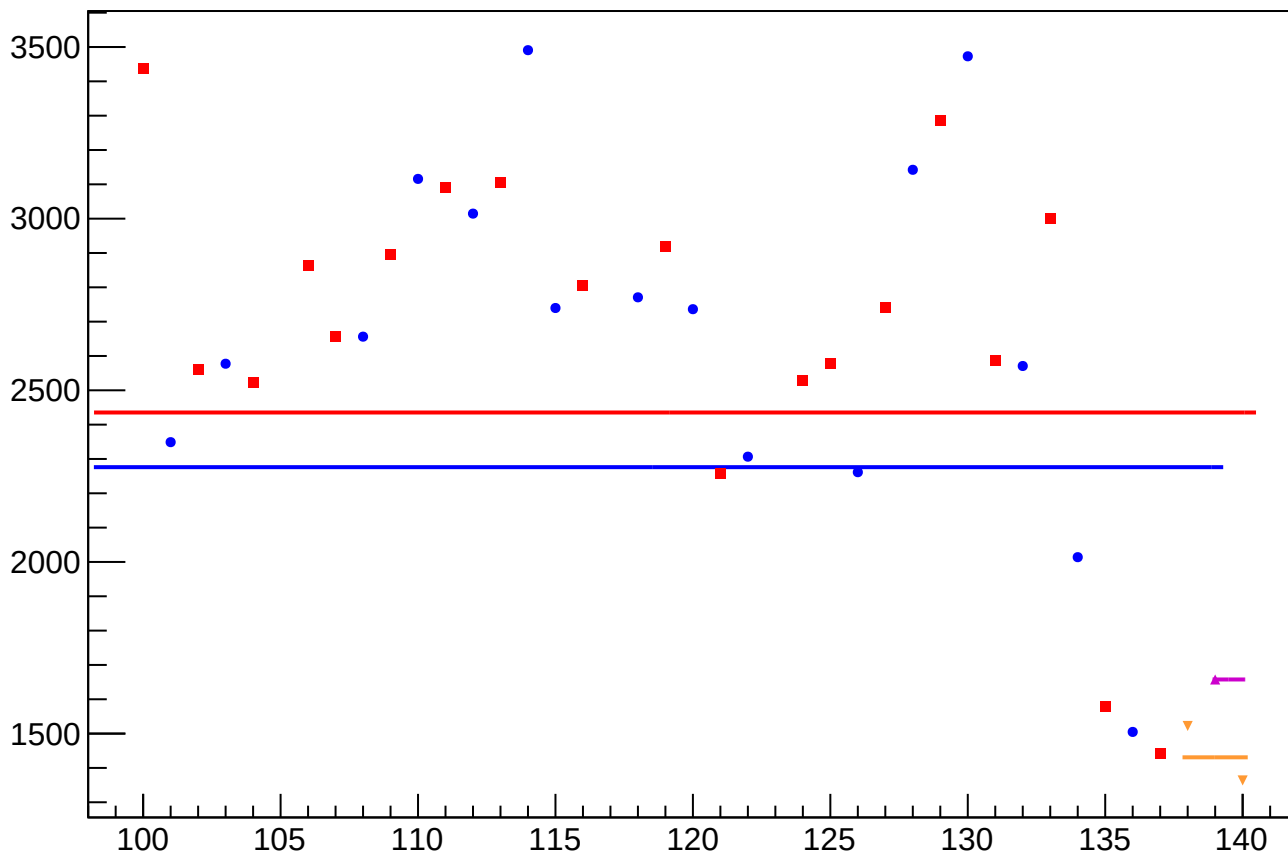
Left In: -1205.477 $\pm$ 1801.957 χ^2 /NDF: 0.0/0

+ sign -1415.377 $\pm$ 692.496 χ^2 /NDF: 22.5/17

All: -1091.599 $\pm$ 527.904 χ^2 /NDF: 37.9/37

- sign -642.392 $\pm$ 815.675 χ^2 /NDF: 14.9/19

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134 $\pm$ 0.620 χ^2 /NDF: 926982.8/15

Left Out: 1430.883 $\pm$ 0.799 χ^2 /NDF:9640.1/1

Right Out: 2435.354 $\pm$ 0.647 χ^2 /NDF: 791515.5/18

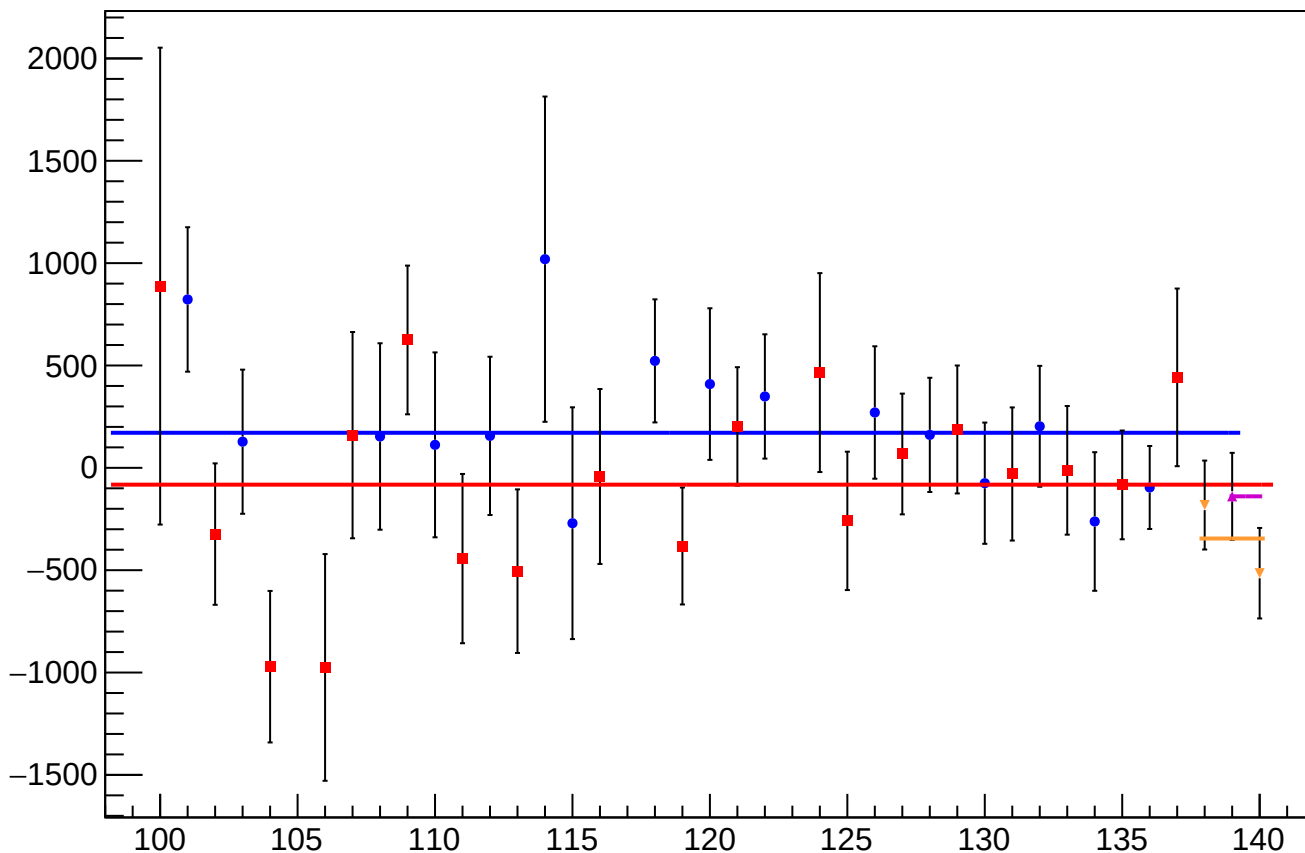
Left In: 1657.647 $\pm$ 1.274 χ^2 /NDF:0.0/0

+ sign 1958.366 $\pm$ 0.490 χ^2 /NDF: 1635683.1/17

All: 2091.412 $\pm$ 0.373 χ^2 /NDF: 2899655.1/37

- sign 2276.001 $\pm$ 0.577 χ^2 /NDF: 1087722.1/19

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260 $\pm$ 83.115 χ^2 /NDF: 11.5/15

Left Out: -345.285 $\pm$ 154.947 χ^2 /NDF:1.2/1

Right Out: -82.150 $\pm$ 82.545 χ^2 /NDF: 21.6/18

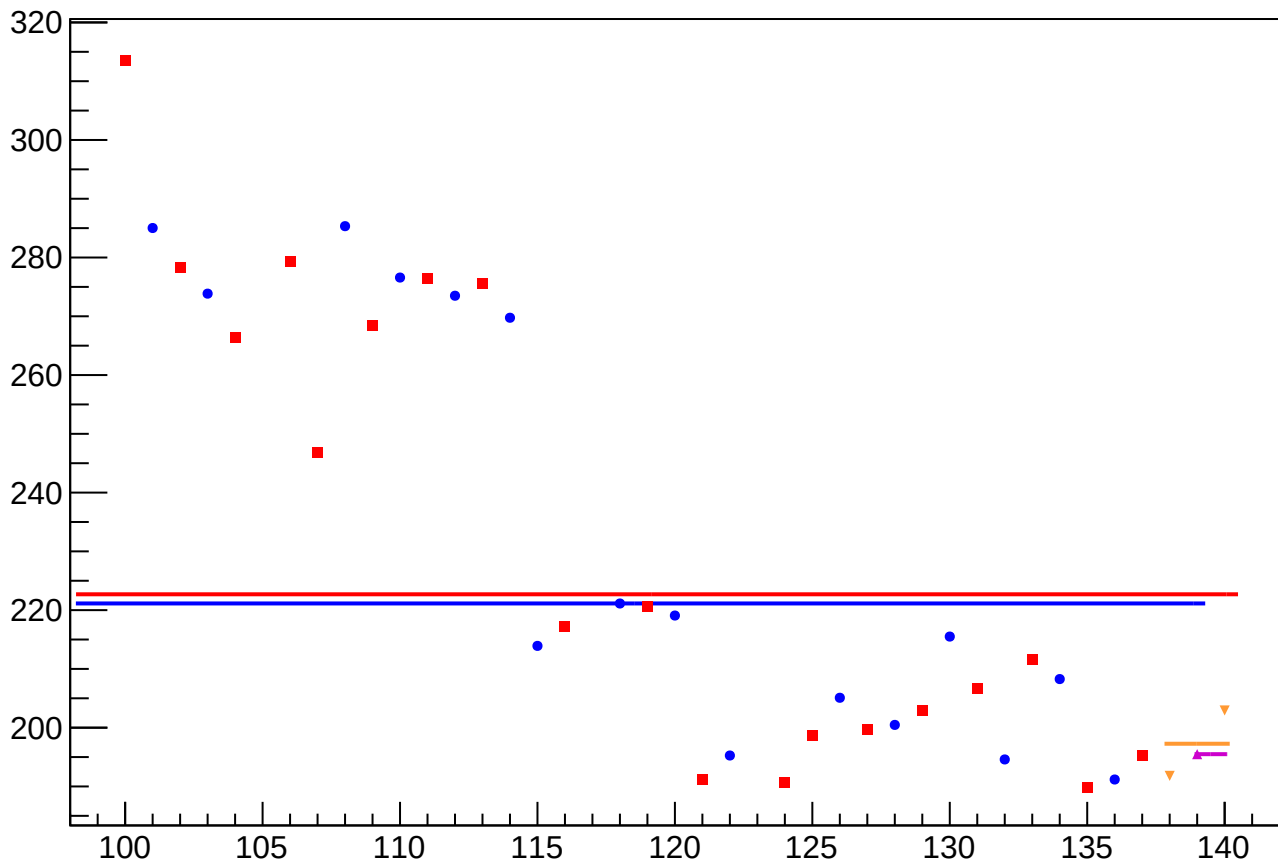
Left In: -139.227 $\pm$ 212.480 χ^2 /NDF:0.0/0

+ sign 55.841 $\pm$ 73.243 χ^2 /NDF: 21.3/17

All: -13.316 $\pm$ 53.050 χ^2 /NDF: 44.8/37

- sign -89.635 $\pm$ 76.943 χ^2 /NDF: 21.7/19

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138 $\pm$ 0.059 χ^2 /NDF: 318696.9/15

Left Out: 197.267 $\pm$ 0.110 χ^2 /NDF:2577.7/1

Right Out: 222.696 $\pm$ 0.058 χ^2 /NDF: 327025.2/18

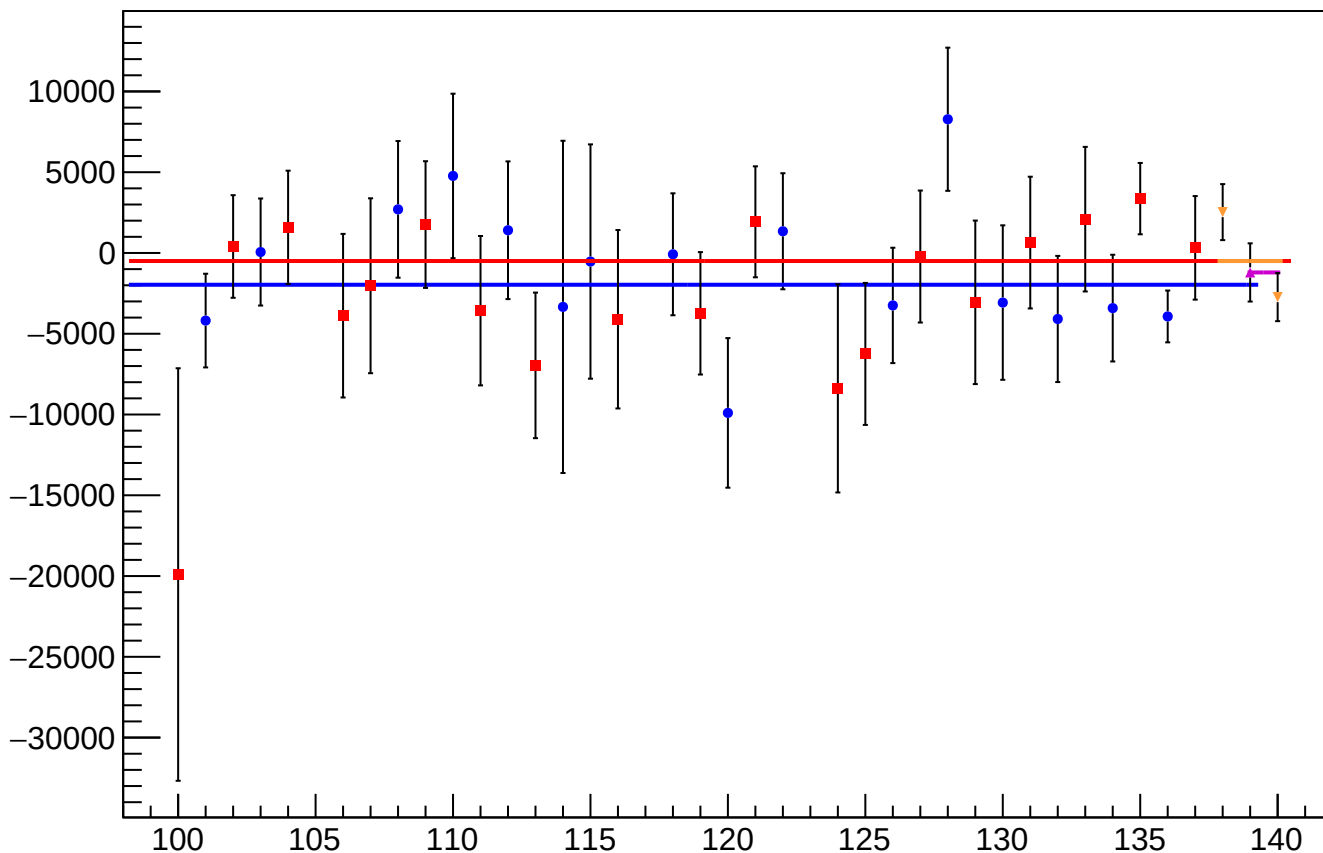
Left In: 195.493 $\pm$ 0.150 χ^2 /NDF:0.0/0

+ sign 215.804 $\pm$ 0.052 χ^2 /NDF: 358136.9/17

All: 217.385 $\pm$ 0.038 χ^2 /NDF: 715605.7/37

- sign 219.129 $\pm$ 0.054 χ^2 /NDF: 355509.1/19

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -1967.409 ± 876.608 χ^2/NDF : 16.2/15

Left Out: -499.021 ± 1129.417 χ^2/NDF : 5.3/1

Right Out: -497.282 ± 914.757 χ^2/NDF : 14.8/18

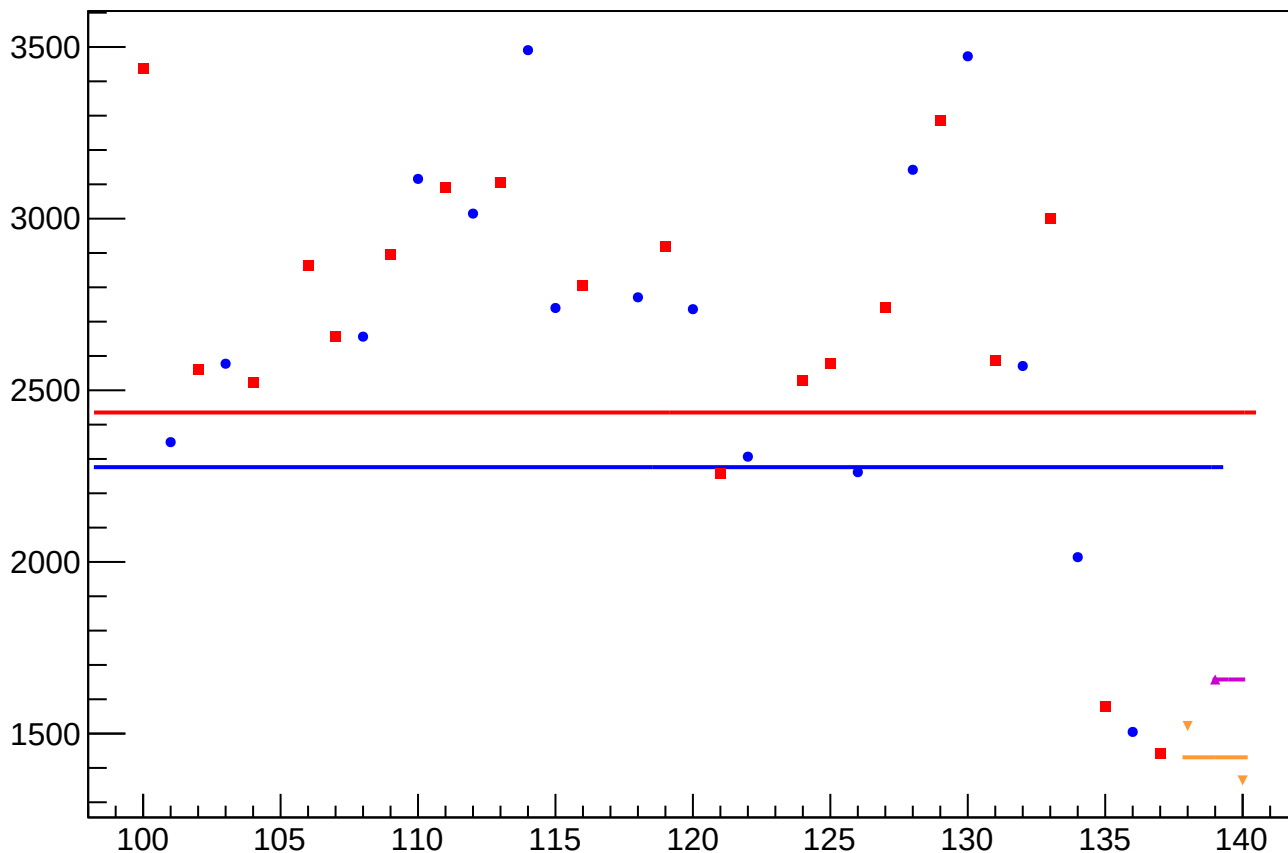
Left In: -1205.472 ± 1801.953 χ^2/NDF : 0.0/0

+ sign -1415.375 ± 692.495 χ^2/NDF : 22.5/17

All: -1091.597 ± 527.903 χ^2/NDF : 37.9/37

- sign -642.392 ± 815.673 χ^2/NDF : 14.9/19

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132 $\pm$ 0.620 χ^2 /NDF: 926973.2/15

Left Out: 1430.882 $\pm$ 0.799 χ^2 /NDF: 9639.9/1

Right Out: 2435.351 $\pm$ 0.647 χ^2 /NDF: 791509.5/18

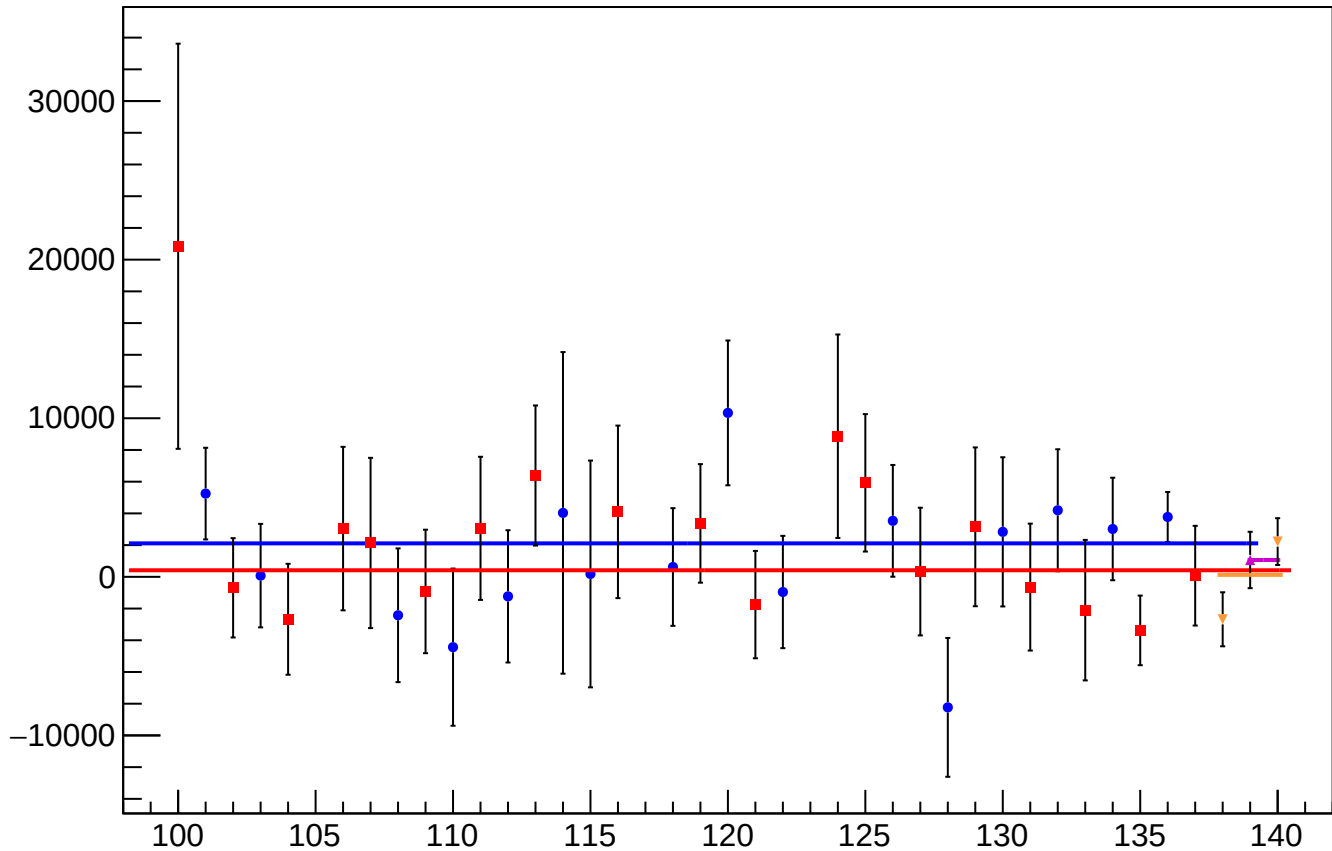
Left In: 1657.643 $\pm$ 1.274 χ^2 /NDF: 0.0/0

+ sign 1958.364 $\pm$ 0.490 χ^2 /NDF: 1635672.4/17

All: 2091.410 $\pm$ 0.373 χ^2 /NDF: 2899638.1/37

- sign 2275.997 $\pm$ 0.577 χ^2 /NDF: 1087717.4/19

asym_sam_26_dd_mean vs Slug



Right In: 2109.537 $\pm$ 863.291 χ^2 /NDF: 16.6/15

Left Out: 122.626 $\pm$ 1114.999 χ^2 /NDF: 4.7/1

Right Out: 414.095 $\pm$ 904.414 χ^2 /NDF: 14.7/18

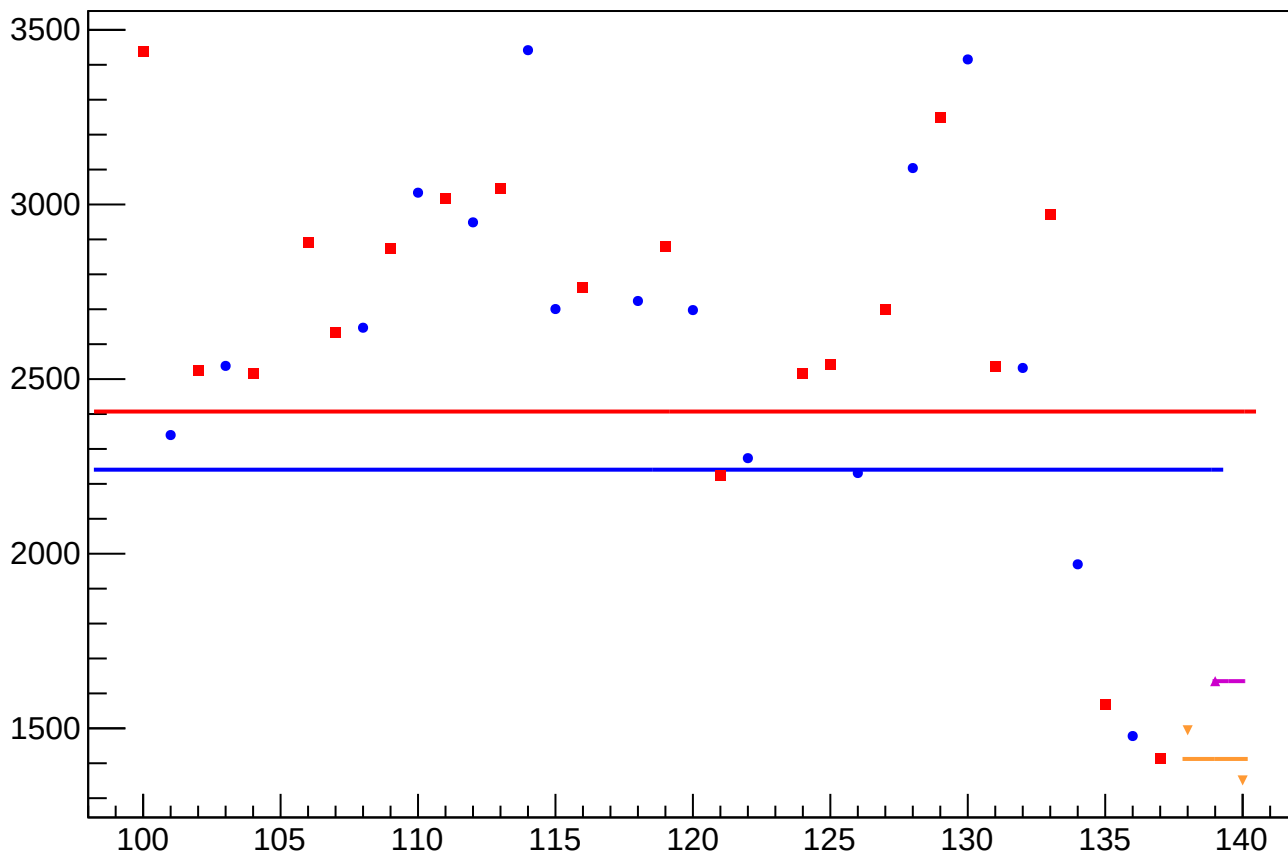
Left In: 1061.939 $\pm$ 1777.487 χ^2 /NDF: 0.0/0

+ sign 1364.859 $\pm$ 682.605 χ^2 /NDF: 23.3/17

All: 1023.432 $\pm$ 520.917 χ^2 /NDF: 38.7/37

- sign 547.325 $\pm$ 806.070 χ^2 /NDF: 14.8/19

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF : 933590.8/15

Left Out: 1412.336+/-0.788 χ^2/NDF : 8118.8/1

Right Out: 2407.124+/-0.640 χ^2/NDF : 788976.1/18

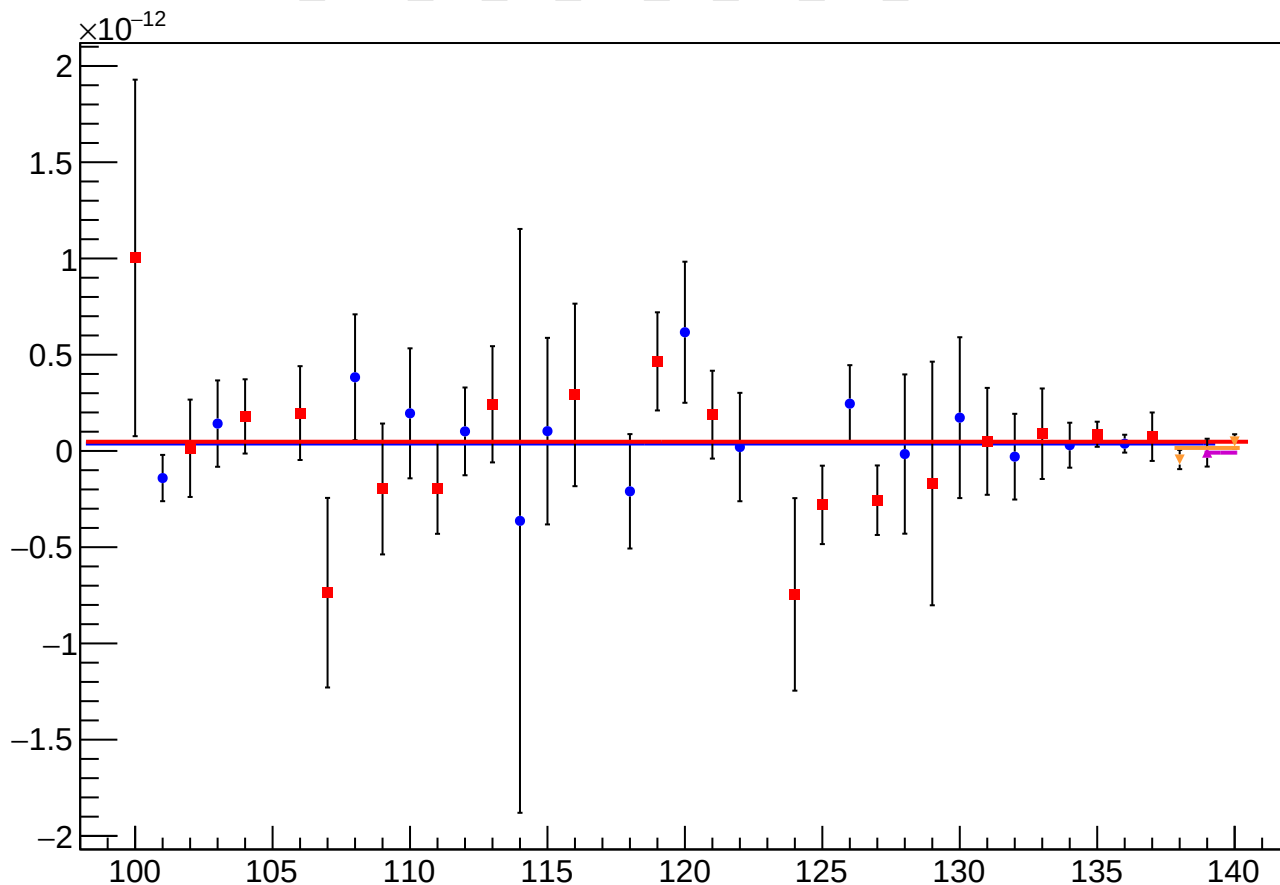
Left In: 1635.101+/-1.257 χ^2/NDF : 0.0/0

+ sign 1930.190+/-0.483 χ^2/NDF : 1631744.2/17

All: 2063.066+/-0.368 χ^2/NDF : 2901886.3/37

- sign 2248.356+/-0.570 χ^2/NDF : 1088677.5/19

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

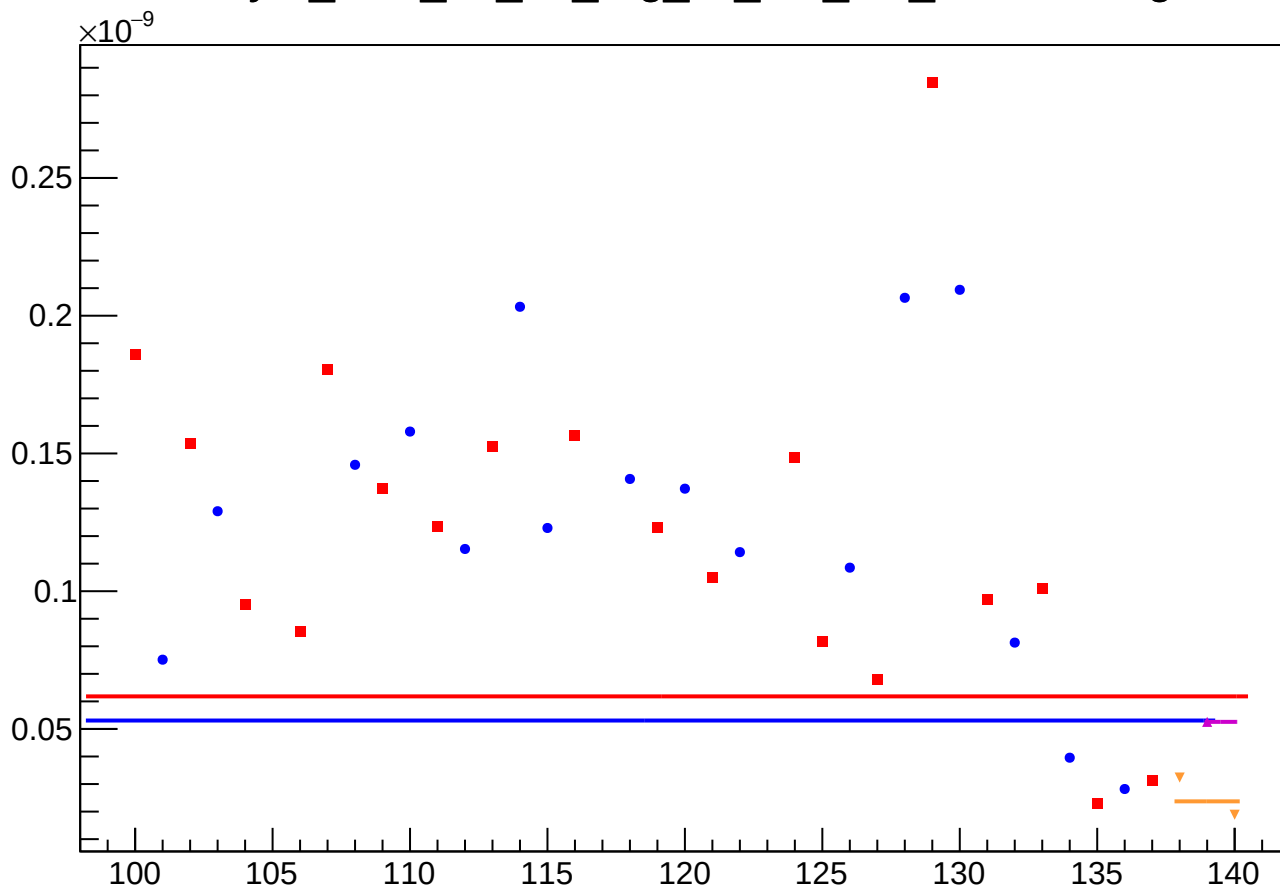
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/19

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF :93378.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2416437.9/18

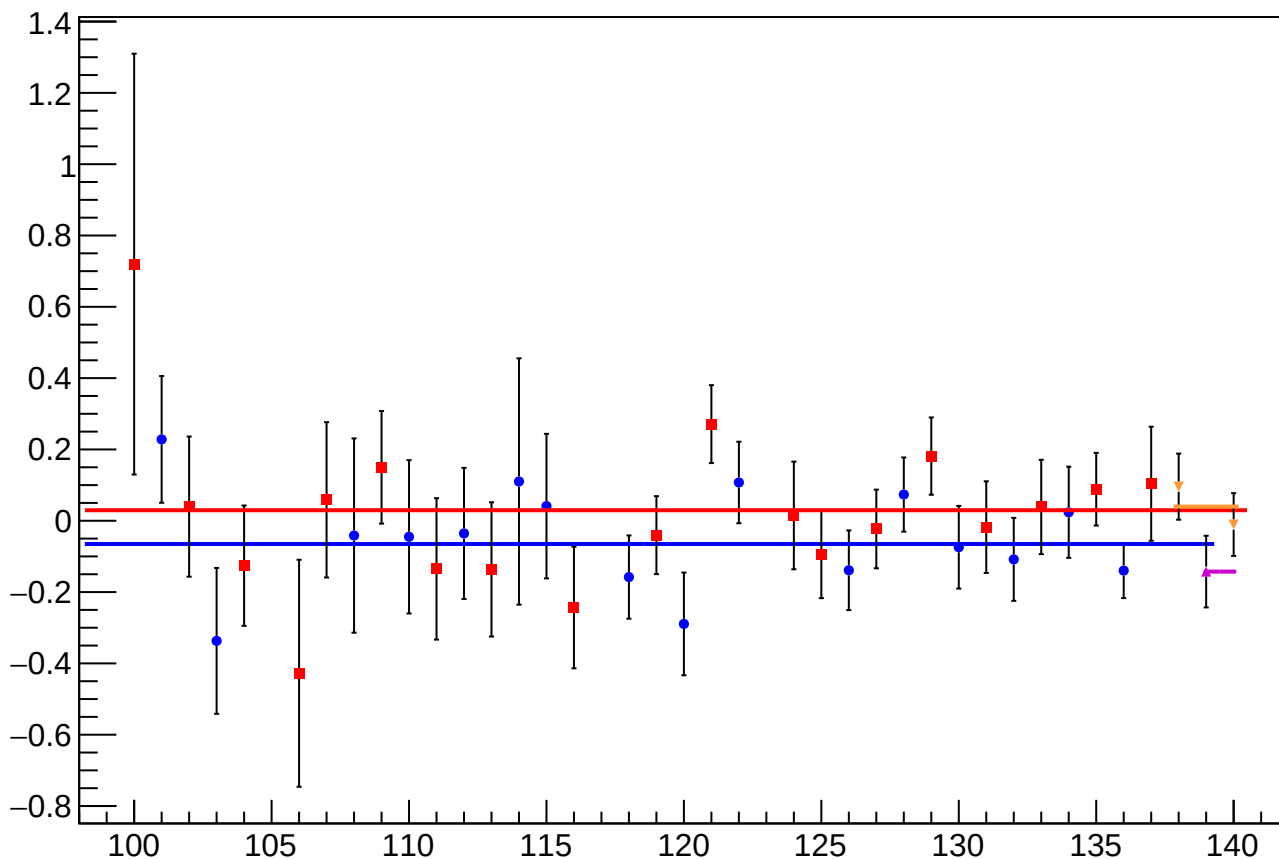
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3445208.0/17

All: 0.000+/-0.000 χ^2/NDF : 6475800.5/37

- sign 0.000+/-0.000 χ^2/NDF : 2440498.5/19

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: 0.040 ± 0.064 χ^2/NDF : 0.7/1

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

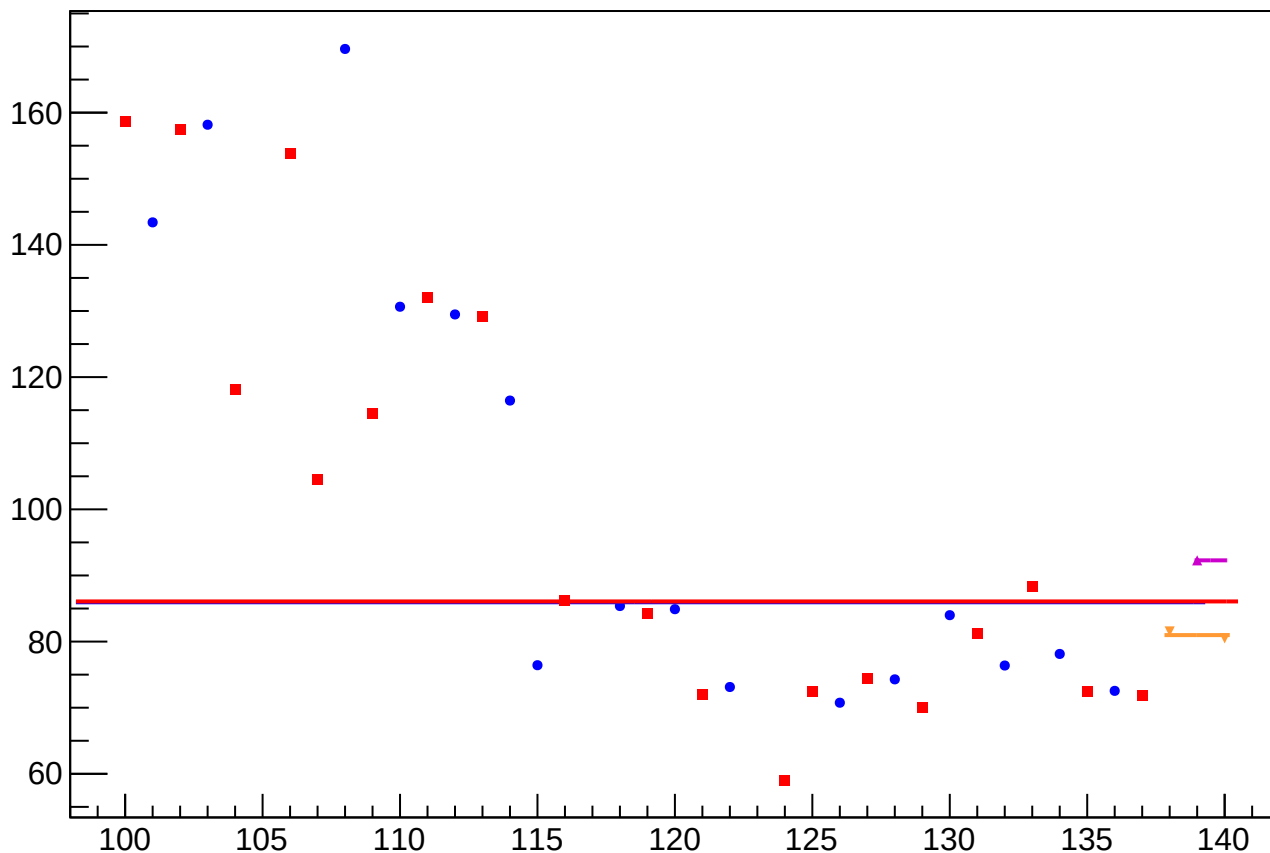
Left In: -0.143 ± 0.100 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.030 χ^2/NDF : 17.0/17

All: -0.017 ± 0.021 χ^2/NDF : 39.4/37

- sign 0.013 ± 0.031 χ^2/NDF : 20.7/19

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946 $\pm$ 0.024 χ^2 /NDF: 1035004.5/15

Left Out: 80.981 $\pm$ 0.045 χ^2 /NDF:136.1/1

Right Out: 86.073 $\pm$ 0.023 χ^2 /NDF: 991371.4/18

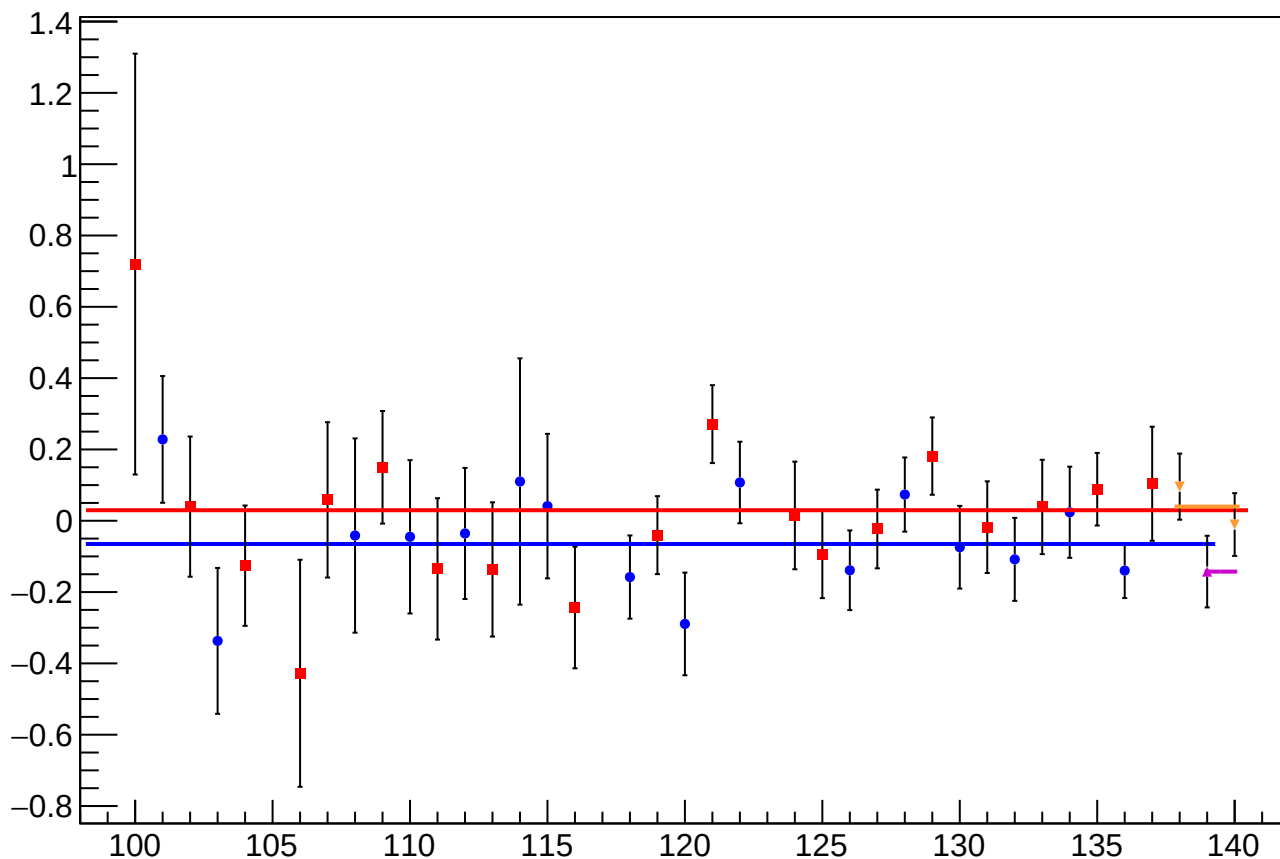
Left In: 92.286 $\pm$ 0.071 χ^2 /NDF:0.0/0

+ sign 84.883 $\pm$ 0.021 χ^2 /NDF: 1044652.9/17

All: 85.727 $\pm$ 0.015 χ^2 /NDF: 2046402.0/37

- sign 86.676 $\pm$ 0.022 χ^2 /NDF: 998276.1/19

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065 ± 0.033 χ^2/NDF : 14.2/15

Left Out: 0.040 ± 0.064 χ^2/NDF : 0.7/1

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

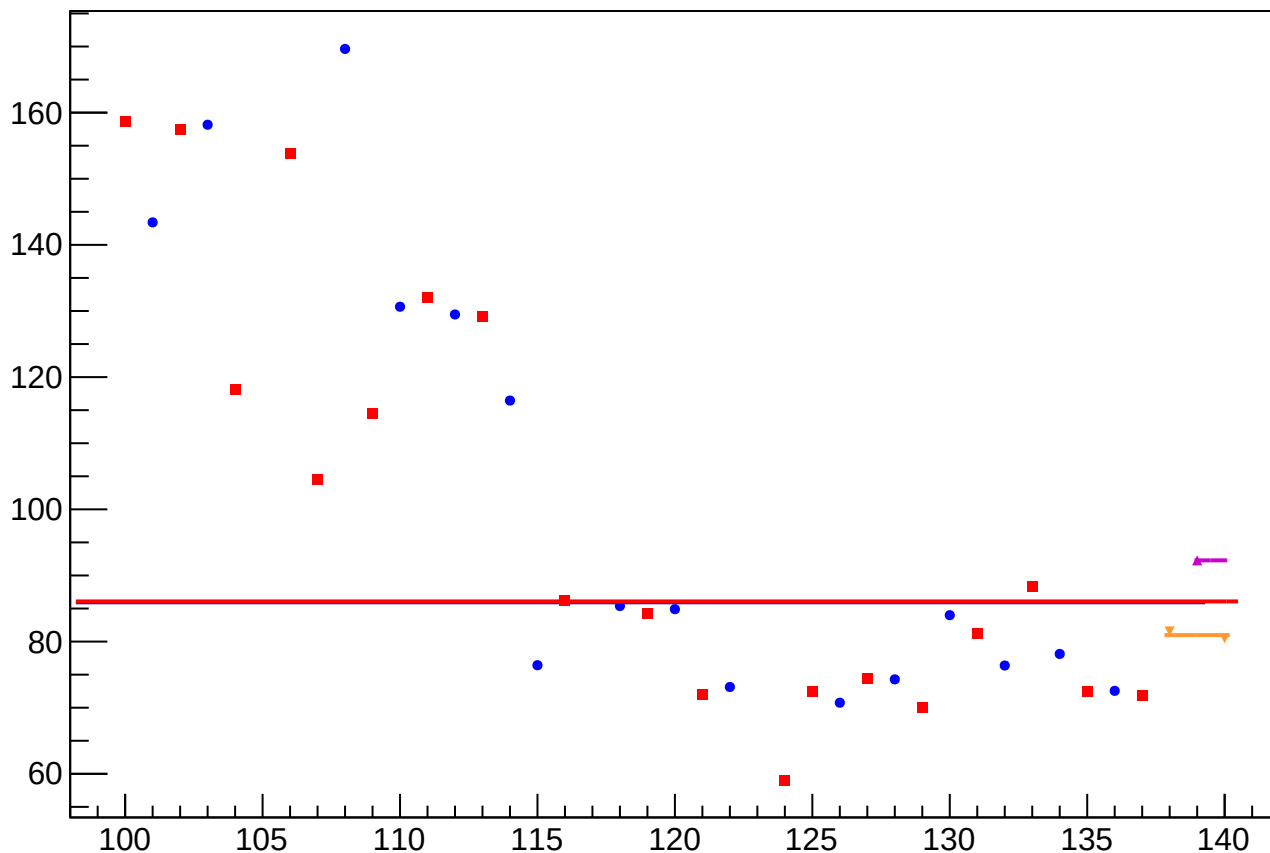
Left In: -0.143 ± 0.100 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.030 χ^2/NDF : 17.0/17

All: -0.017 ± 0.021 χ^2/NDF : 39.4/37

- sign 0.013 ± 0.031 χ^2/NDF : 20.7/19

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946 $\pm$ 0.024 χ^2 /NDF: 1035004.5/15

Left Out: 80.981 $\pm$ 0.045 χ^2 /NDF:136.1/1

Right Out: 86.073 $\pm$ 0.023 χ^2 /NDF: 991371.4/18

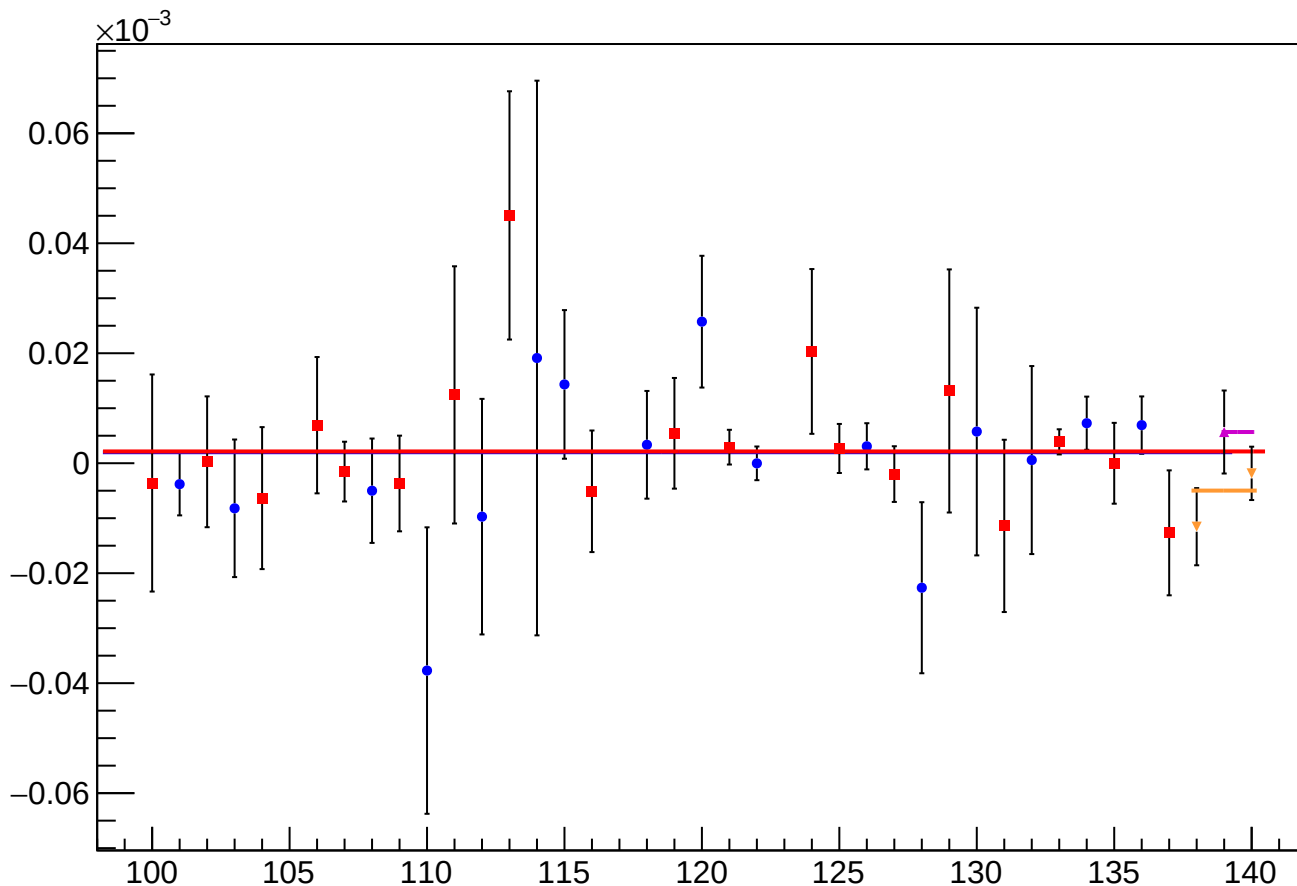
Left In: 92.286 $\pm$ 0.071 χ^2 /NDF:0.0/0

+ sign 84.883 $\pm$ 0.021 χ^2 /NDF: 1044652.9/17

All: 85.727 $\pm$ 0.015 χ^2 /NDF: 2046402.0/37

- sign 86.676 $\pm$ 0.022 χ^2 /NDF: 998276.1/19

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.5/18

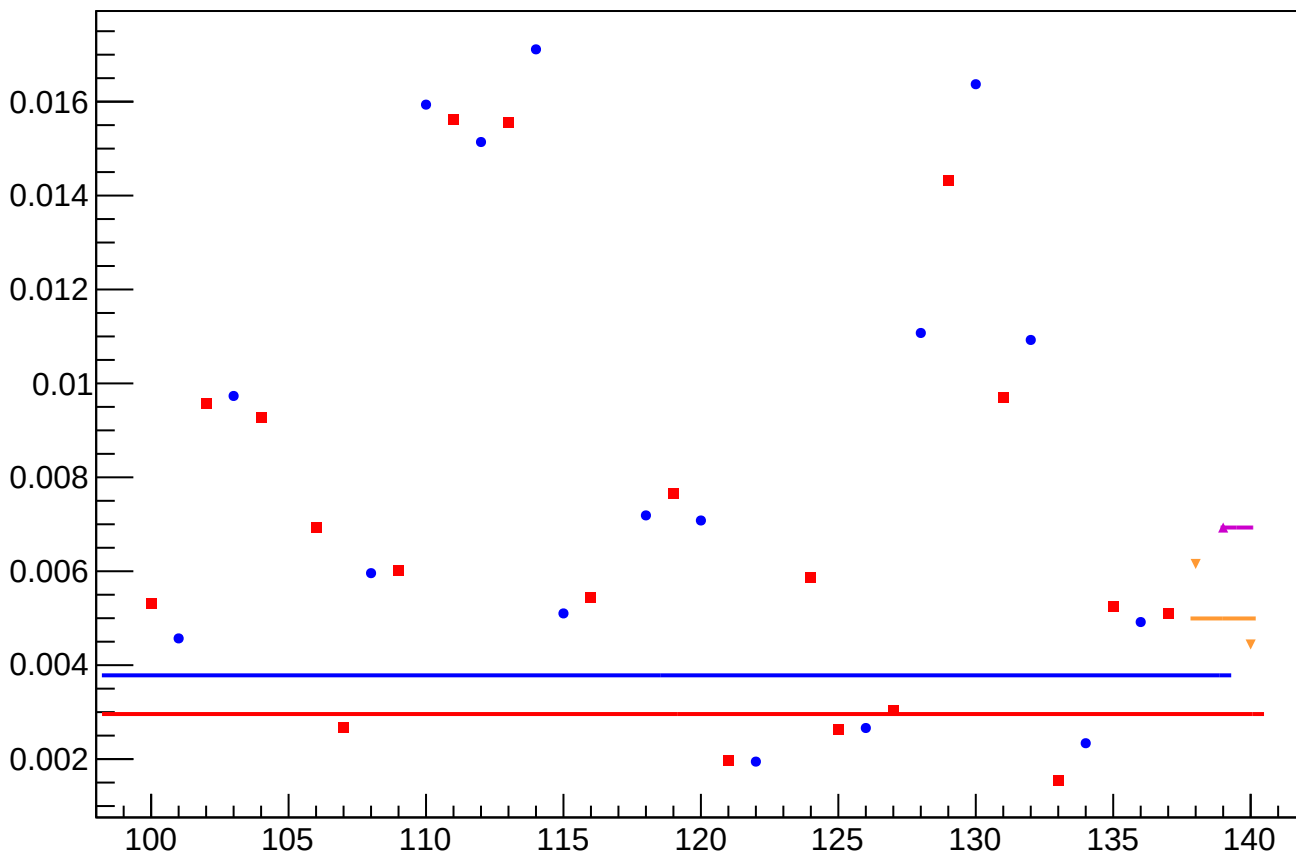
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.7/19

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF : 80813.3/1

Right Out: 0.003+/-0.000 χ^2/NDF : 5548113.4/18

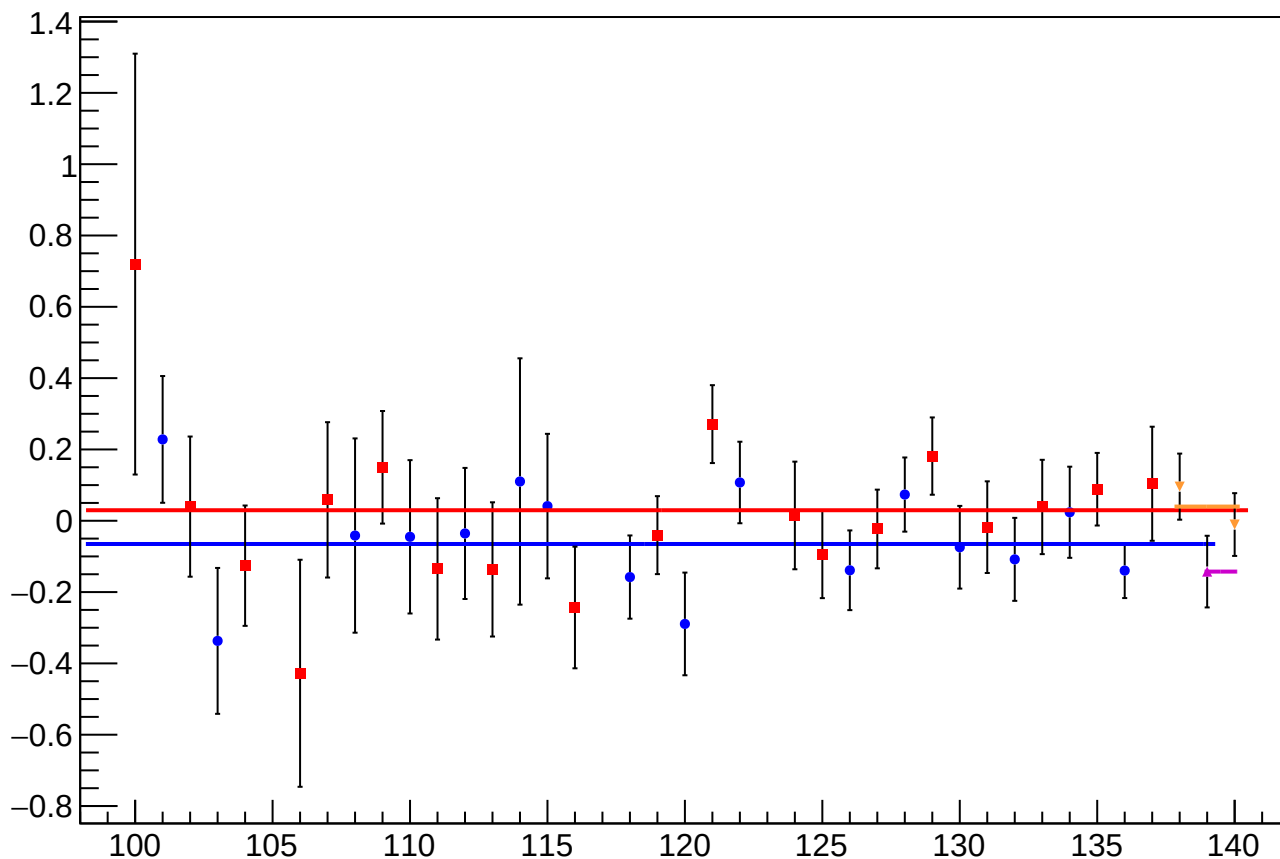
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 4929708.3/17

All: 0.003+/-0.000 χ^2/NDF : 11365500.0/37

- sign 0.003+/-0.000 χ^2/NDF : 6083590.9/19

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: 0.040 ± 0.064 χ^2/NDF : 0.7/1

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

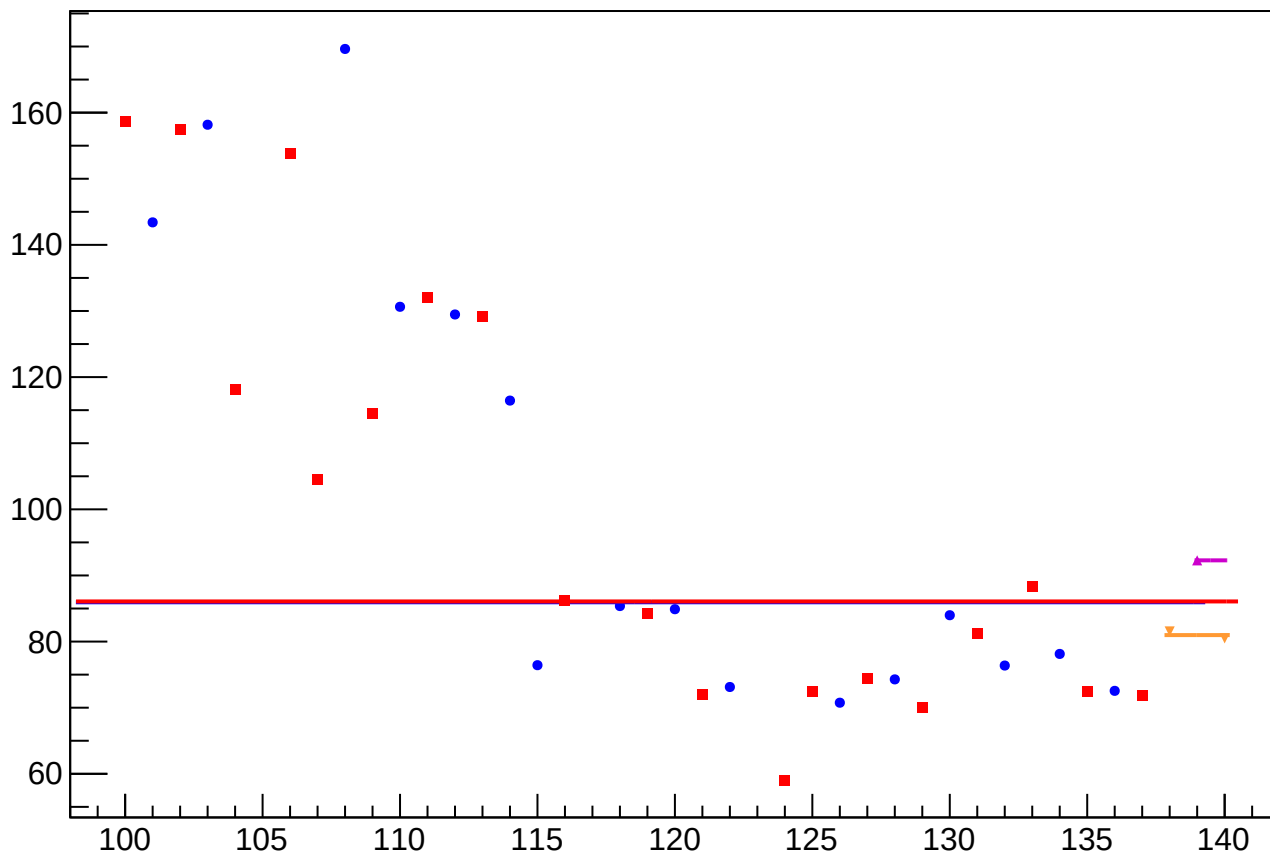
Left In: -0.143 ± 0.100 χ^2/NDF : 0.0/0

+ sign -0.043 ± 0.030 χ^2/NDF : 17.0/17

All: -0.017 ± 0.021 χ^2/NDF : 39.4/37

- sign 0.013 ± 0.031 χ^2/NDF : 20.7/19

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943 $\pm$ 0.024 χ^2 /NDF: 1034986.7/15

Left Out: 80.980 $\pm$ 0.045 χ^2 /NDF:135.9/1

Right Out: 86.070 $\pm$ 0.023 χ^2 /NDF: 991365.2/18

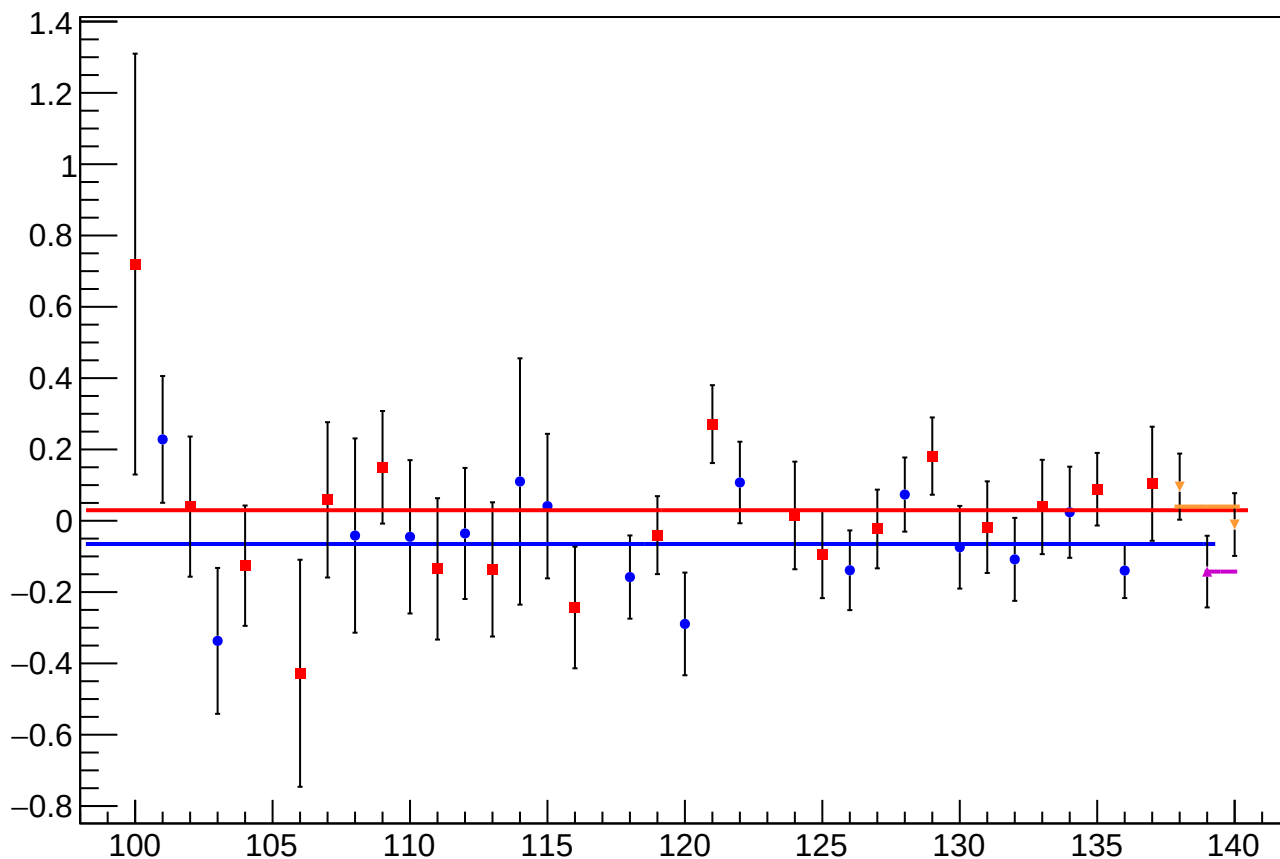
Left In: 92.285 $\pm$ 0.071 χ^2 /NDF:0.0/0

+ sign 84.881 $\pm$ 0.021 χ^2 /NDF: 1044628.3/17

All: 85.725 $\pm$ 0.015 χ^2 /NDF: 2046373.7/37

- sign 86.674 $\pm$ 0.022 χ^2 /NDF: 998272.3/19

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065 $\pm$ 0.033 χ^2 /NDF: 14.2/15

Left Out: 0.040 $\pm$ 0.064 χ^2 /NDF: 0.7/1

Right Out: 0.030 $\pm$ 0.033 χ^2 /NDF: 18.1/18

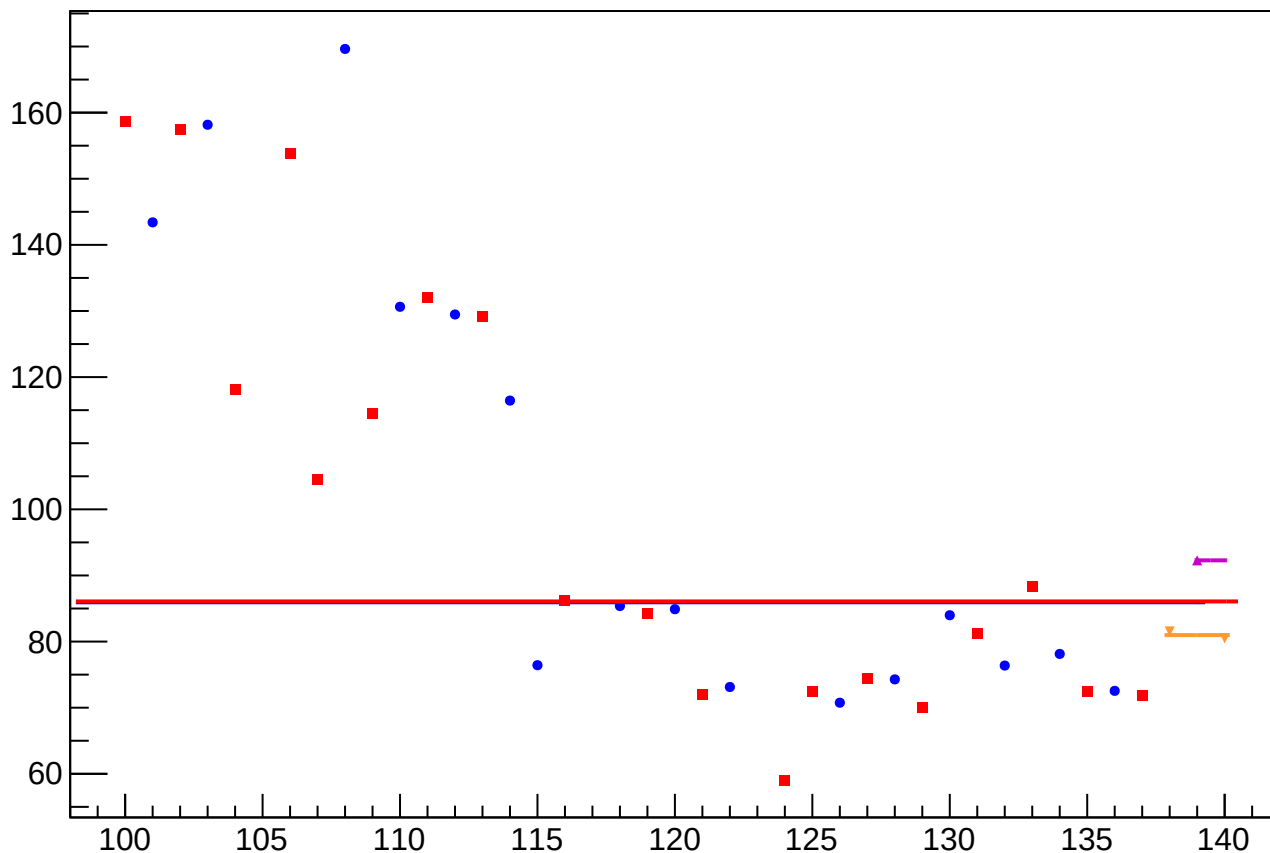
Left In: -0.143 $\pm$ 0.100 χ^2 /NDF: 0.0/0

+ sign -0.043 $\pm$ 0.030 χ^2 /NDF: 17.0/17

All: -0.017 $\pm$ 0.021 χ^2 /NDF: 39.4/37

- sign 0.013 $\pm$ 0.031 χ^2 /NDF: 20.7/19

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.943 ± 0.024 $\chi^2/\text{NDF}: 1034986.7/15$

Left Out: 80.980 ± 0.045 $\chi^2/\text{NDF}: 135.9/1$

Right Out: 86.070 ± 0.023 $\chi^2/\text{NDF}: 991365.2/18$

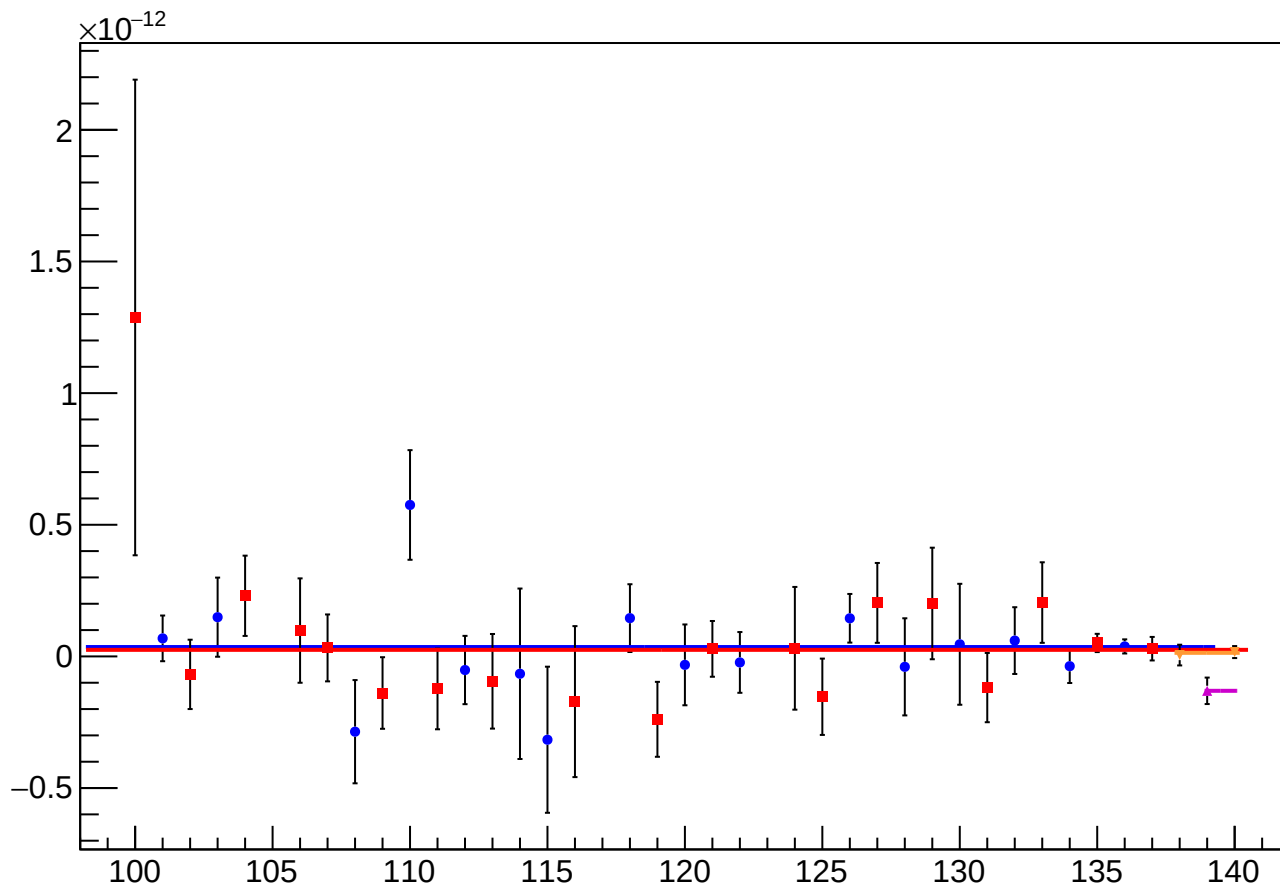
Left In: 92.285 ± 0.071 $\chi^2/\text{NDF}: 0.0/0$

+ sign 84.881 ± 0.021 $\chi^2/\text{NDF}: 1044628.3/17$

All: 85.725 ± 0.015 $\chi^2/\text{NDF}: 2046373.7/37$

- sign 86.674 ± 0.022 $\chi^2/\text{NDF}: 998272.3/19$

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

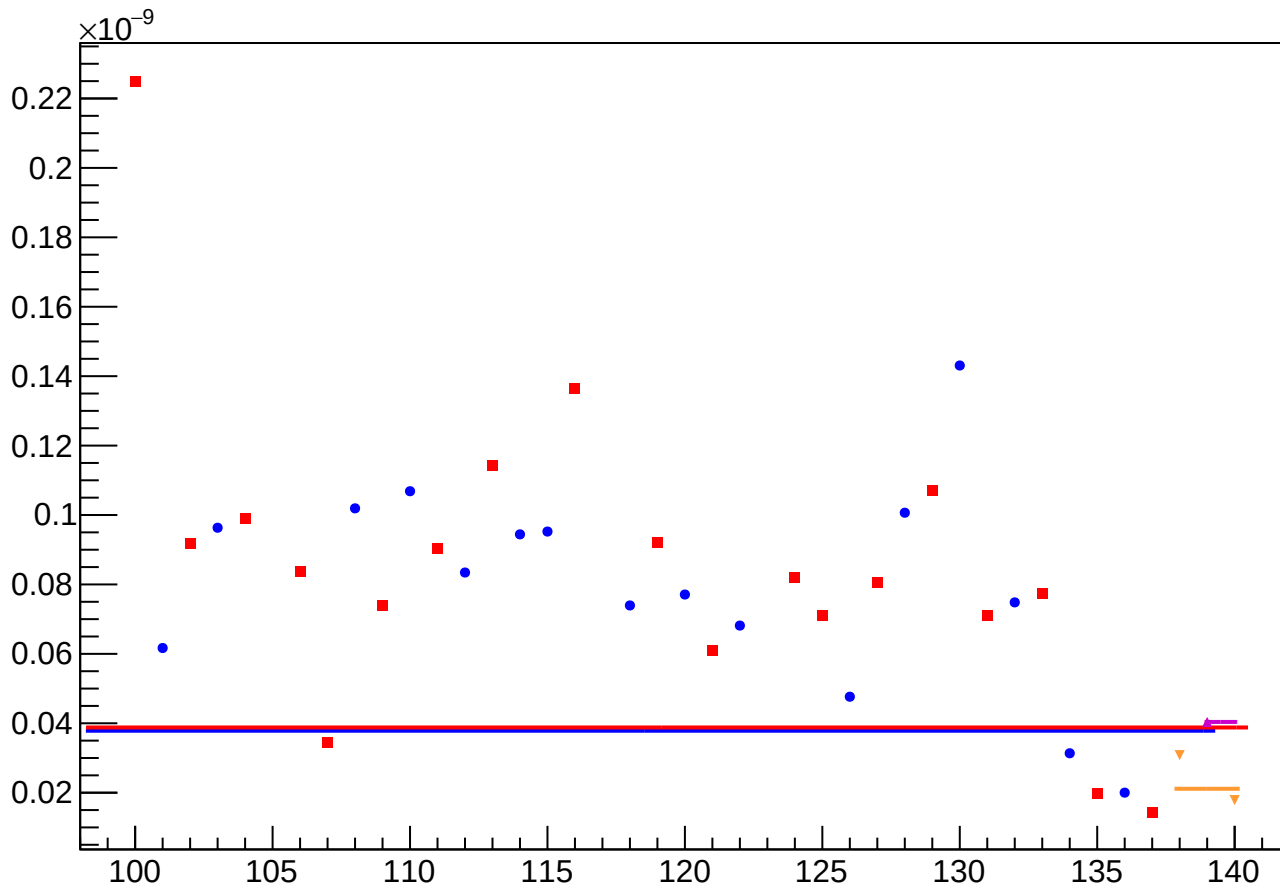
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/19

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3456922.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:162133.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4121603.1/18

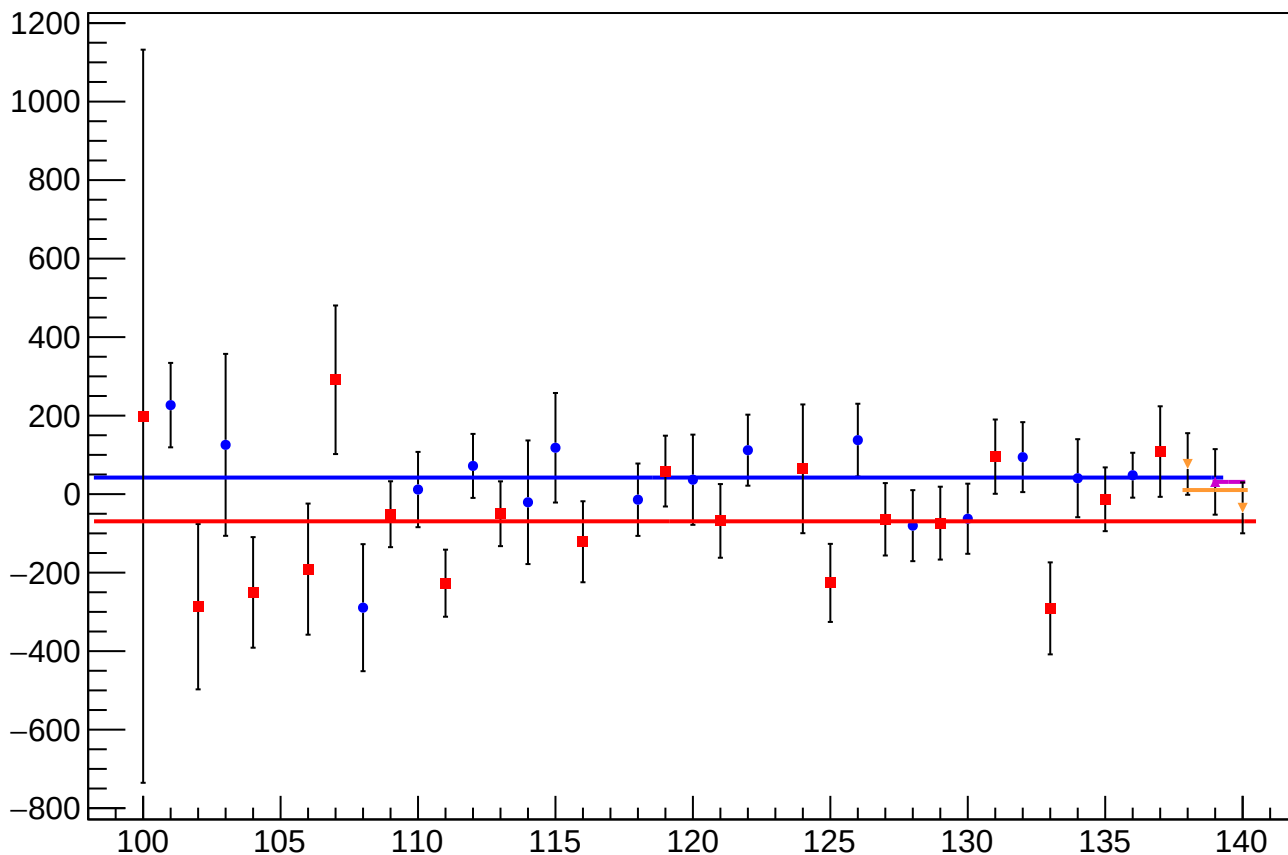
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4305551.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8749214.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4123292.7/19

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: 10.420 $\pm$ 49.999 χ^2 /NDF: 1.2/1

Right Out: -69.249 $\pm$ 24.418 χ^2 /NDF: 25.4/18

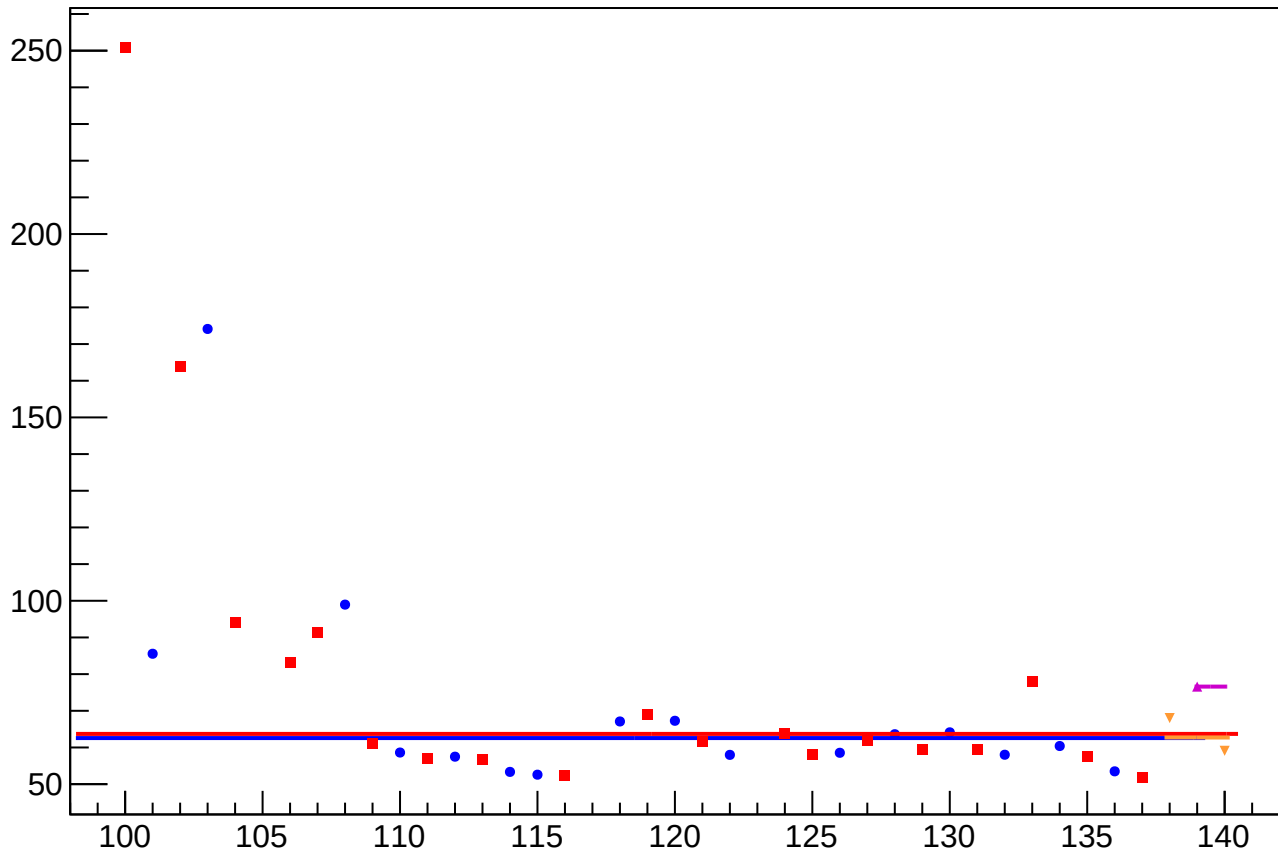
Left In: 31.158 $\pm$ 83.509 χ^2 /NDF: 0.0/0

+ sign 36.181 $\pm$ 21.788 χ^2 /NDF: 15.1/17

All: -9.028 $\pm$ 15.957 χ^2 /NDF: 51.1/37

- sign -61.341 $\pm$ 23.437 χ^2 /NDF: 26.7/19

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758603.5/15

Left Out: 62.717 $\pm$ 0.035 χ^2 /NDF: 15376.9/1

Right Out: 63.699 $\pm$ 0.017 χ^2 /NDF: 834180.2/18

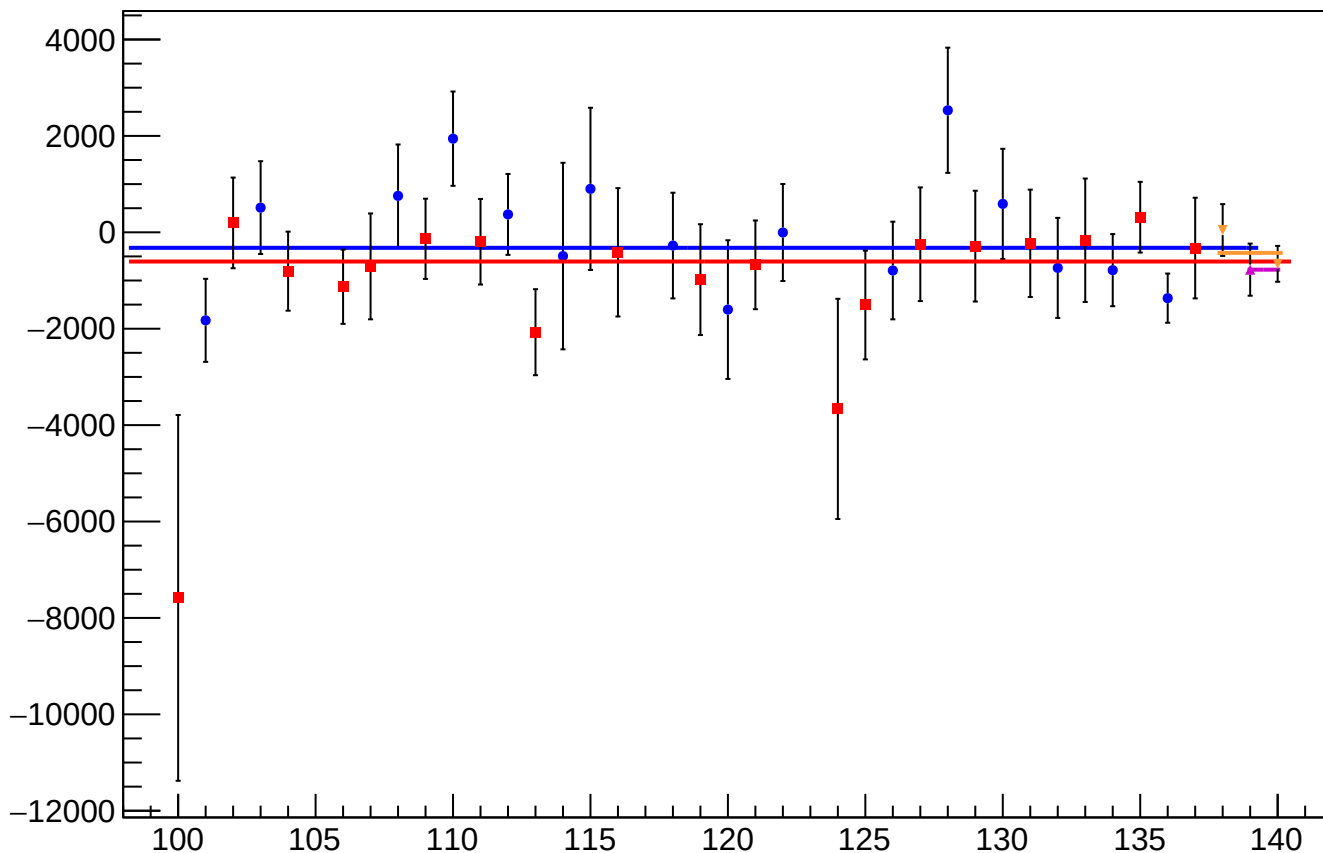
Left In: 76.599 $\pm$ 0.059 χ^2 /NDF: 0.0/0

+ sign 62.594 $\pm$ 0.015 χ^2 /NDF: 773995.2/17

All: 63.578 $\pm$ 0.011 χ^2 /NDF: 1660926.9/37

- sign 64.715 $\pm$ 0.017 χ^2 /NDF: 878144.7/19

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2 /NDF: 22.7/15

Left Out: -426.512+/-305.968 χ^2 /NDF:1.2/1

Right Out: -605.859+/-233.643 χ^2 /NDF: 12.5/18

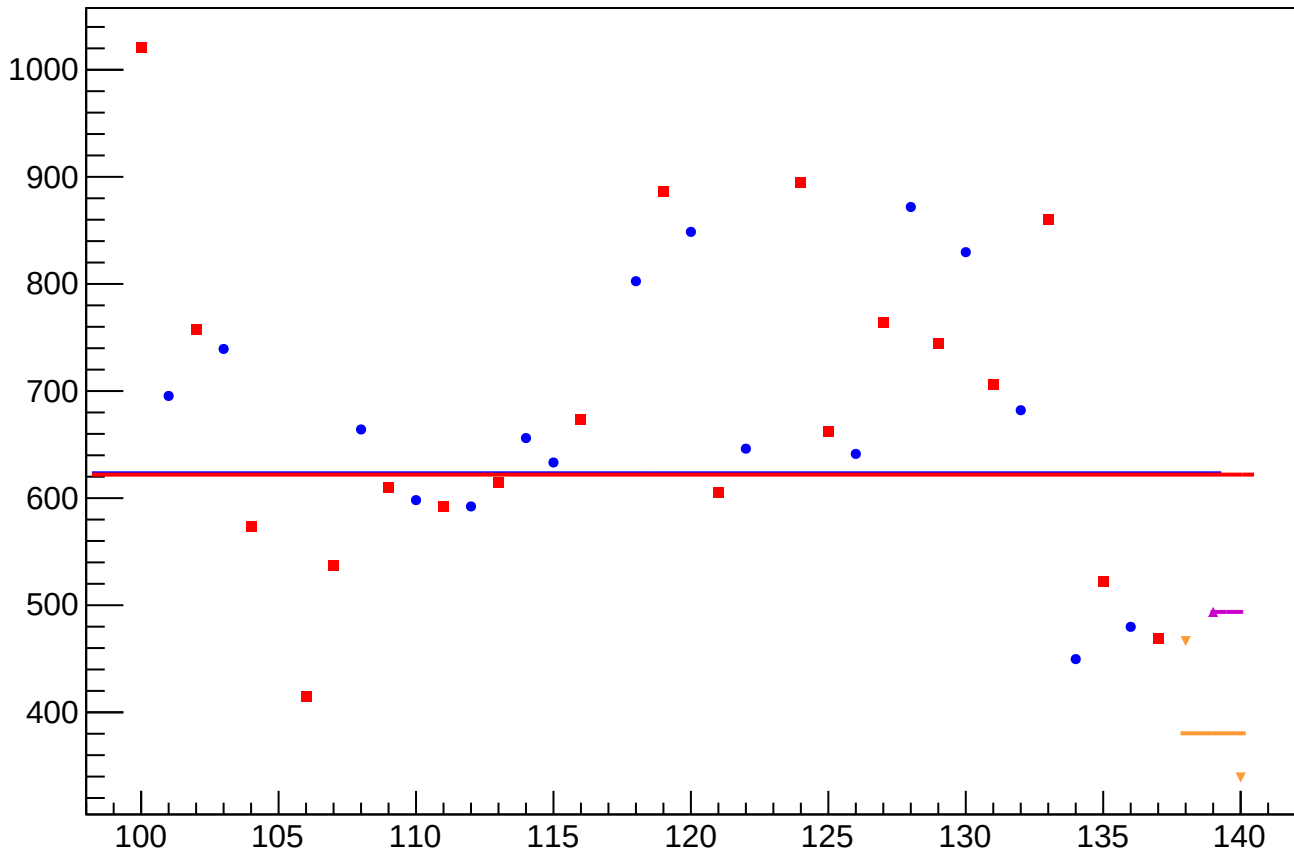
Left In: -774.755+/-540.665 χ^2 /NDF:0.0/0

+ sign -361.288+/-188.095 χ^2 /NDF: 23.9/17

All: -479.171+/-141.415 χ^2 /NDF: 37.4/37

- sign -632.437+/-214.474 χ^2 /NDF: 12.6/19

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF : 565524.7/15

Left Out: 380.409+/-0.216 χ^2/NDF : 75863.7/1

Right Out: 621.975+/-0.165 χ^2/NDF : 582591.9/18

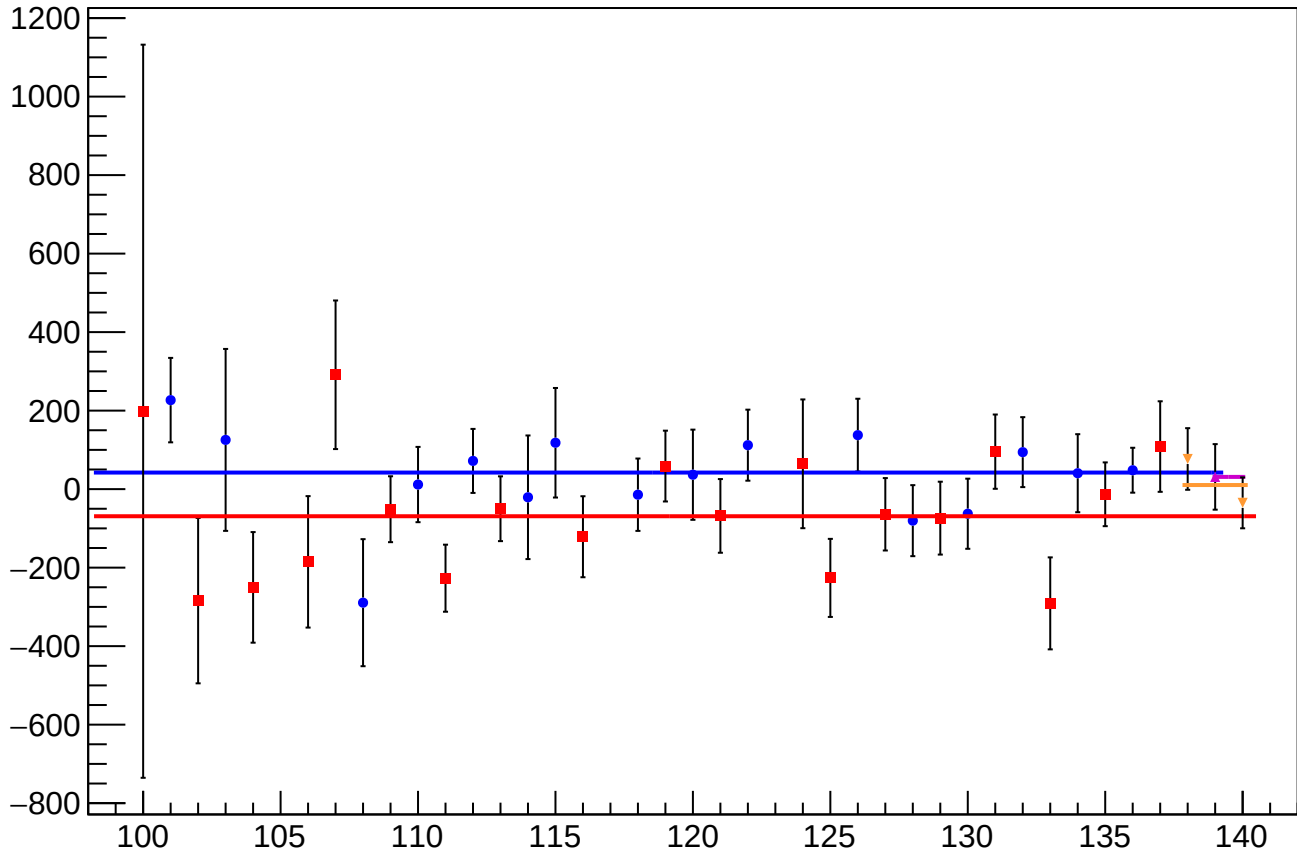
Left In: 493.754+/-0.382 χ^2/NDF : 0.0/0

+ sign 531.432+/-0.133 χ^2/NDF : 1424671.9/17

All: 562.024+/-0.100 χ^2/NDF : 2223734.9/37

- sign 601.798+/-0.152 χ^2/NDF : 677375.7/19

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213 ± 24.207 χ^2/NDF : 13.6/15

Left Out: 10.429 ± 49.999 χ^2/NDF : 1.2/1

Right Out: -69.068 ± 24.420 χ^2/NDF : 25.3/18

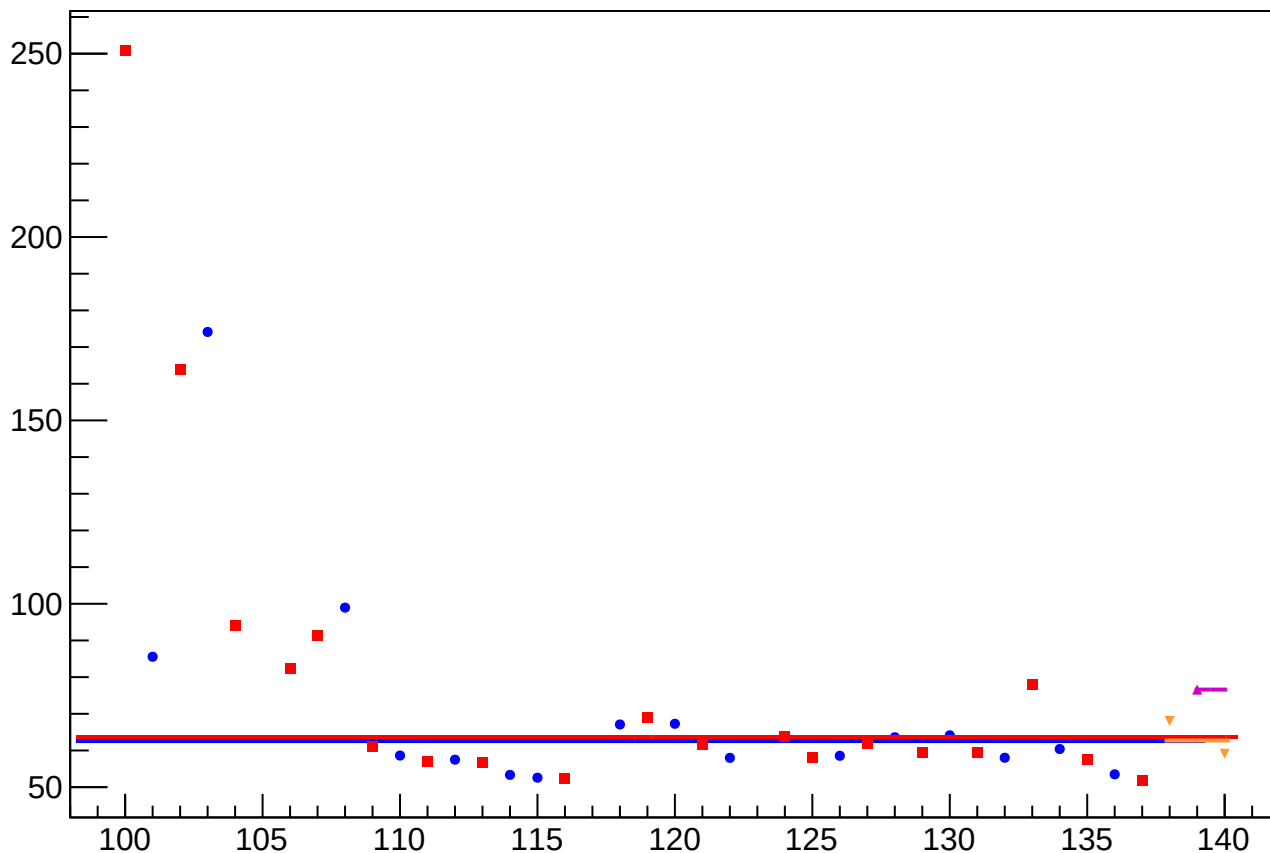
Left In: 31.151 ± 83.509 χ^2/NDF : 0.0/0

+ sign 36.178 ± 21.788 χ^2/NDF : 15.1/17

All: -8.950 ± 15.958 χ^2/NDF : 51.0/37

- sign -61.174 ± 23.438 χ^2/NDF : 26.6/19

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758605.6/15

Left Out: 62.717 $\pm$ 0.035 χ^2 /NDF: 15376.9/1

Right Out: 63.675 $\pm$ 0.017 χ^2 /NDF: 831432.5/18

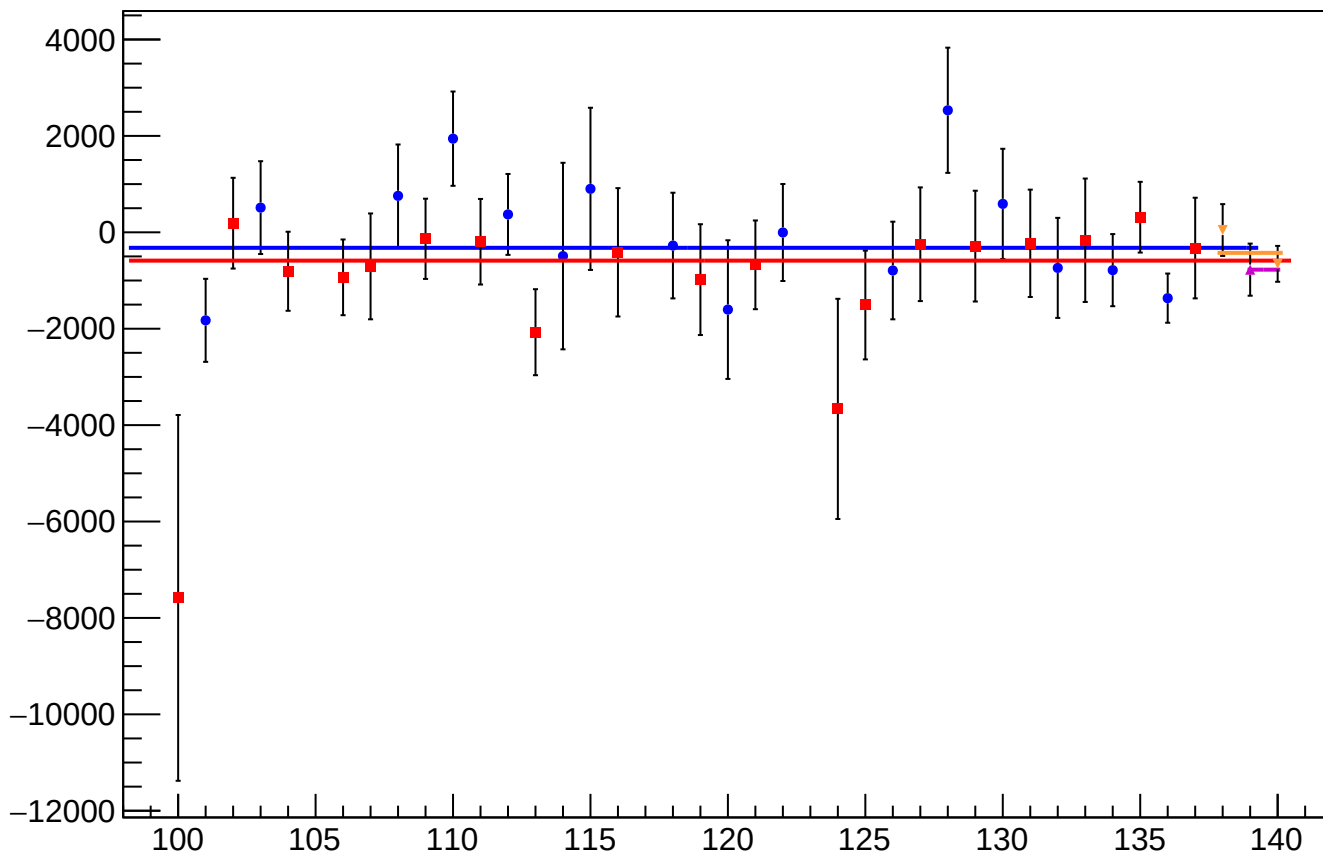
Left In: 76.599 $\pm$ 0.059 χ^2 /NDF: 0.0/0

+ sign 62.594 $\pm$ 0.015 χ^2 /NDF: 773997.3/17

All: 63.567 $\pm$ 0.011 χ^2 /NDF: 1658162.8/37

- sign 64.693 $\pm$ 0.017 χ^2 /NDF: 875561.3/19

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660 ± 238.484 χ^2/NDF : 22.7/15

Left Out: -426.498 ± 305.968 χ^2/NDF : 1.2/1

Right Out: -587.224 ± 234.080 χ^2/NDF : 12.2/18

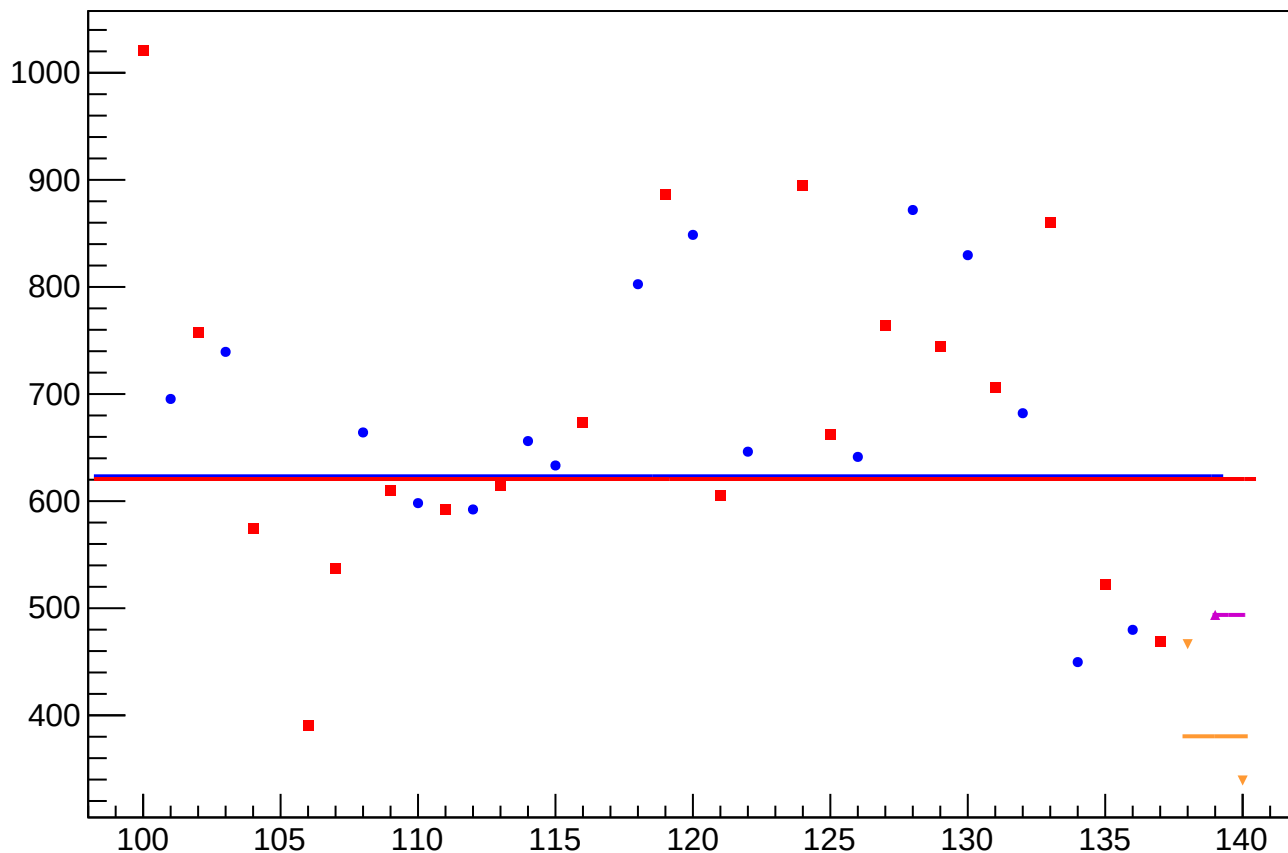
Left In: -774.763 ± 540.664 χ^2/NDF : 0.0/0

+ sign -361.281 ± 188.096 χ^2/NDF : 23.9/17

All: -472.184 ± 141.512 χ^2/NDF : 37.0/37

- sign -616.828 ± 214.811 χ^2/NDF : 12.3/19

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184 $\pm$ 0.169 χ^2 /NDF: 565557.0/15

Left Out: 380.409 $\pm$ 0.216 χ^2 /NDF: 75864.5/1

Right Out: 620.673 $\pm$ 0.166 χ^2 /NDF: 610523.8/18

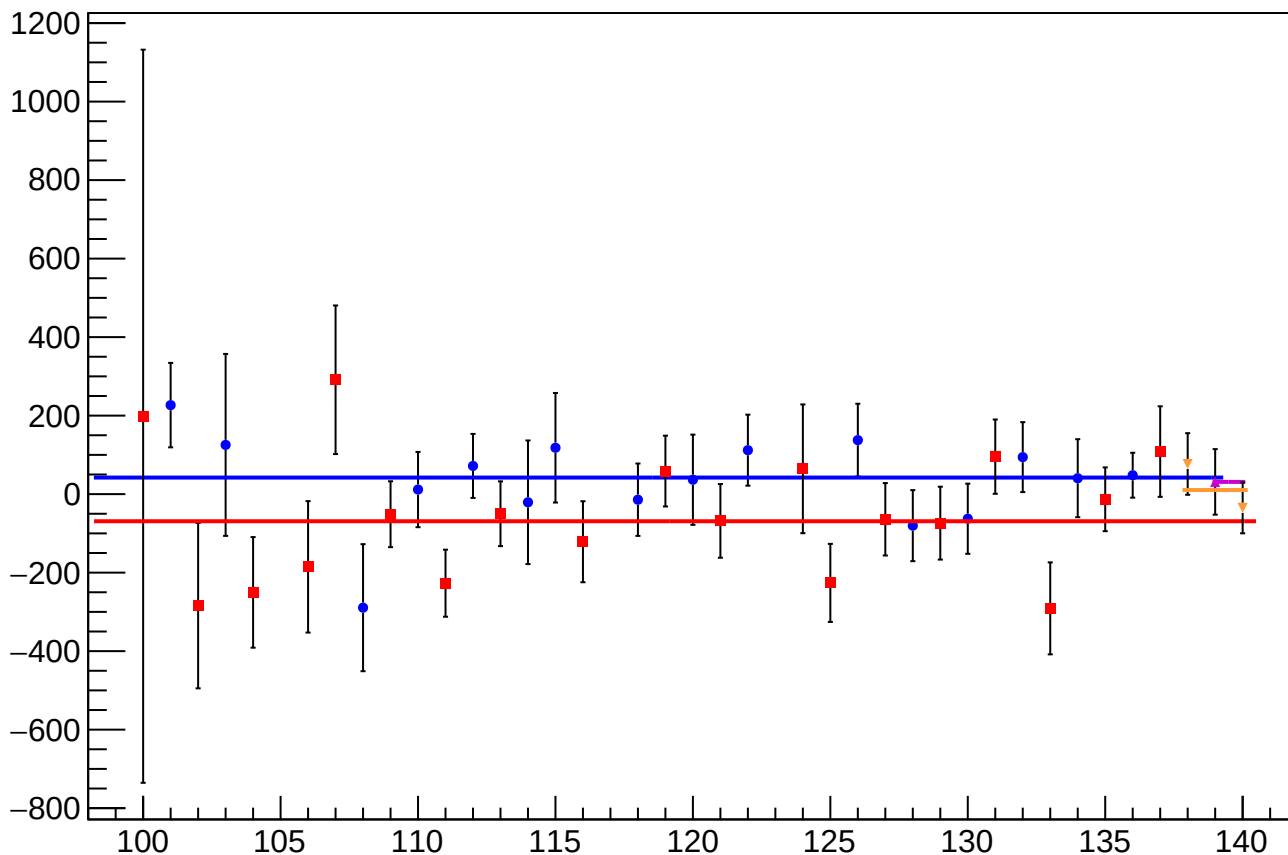
Left In: 493.753 $\pm$ 0.382 χ^2 /NDF: 0.0/0

+ sign 531.433 $\pm$ 0.133 χ^2 /NDF: 1424721.8/17

All: 561.467 $\pm$ 0.100 χ^2 /NDF: 2245555.5/37

- sign 600.638 $\pm$ 0.152 χ^2 /NDF: 703339.1/19

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: 10.429 $\pm$ 49.999 χ^2 /NDF: 1.2/1

Right Out: -69.068 $\pm$ 24.420 χ^2 /NDF: 25.3/18

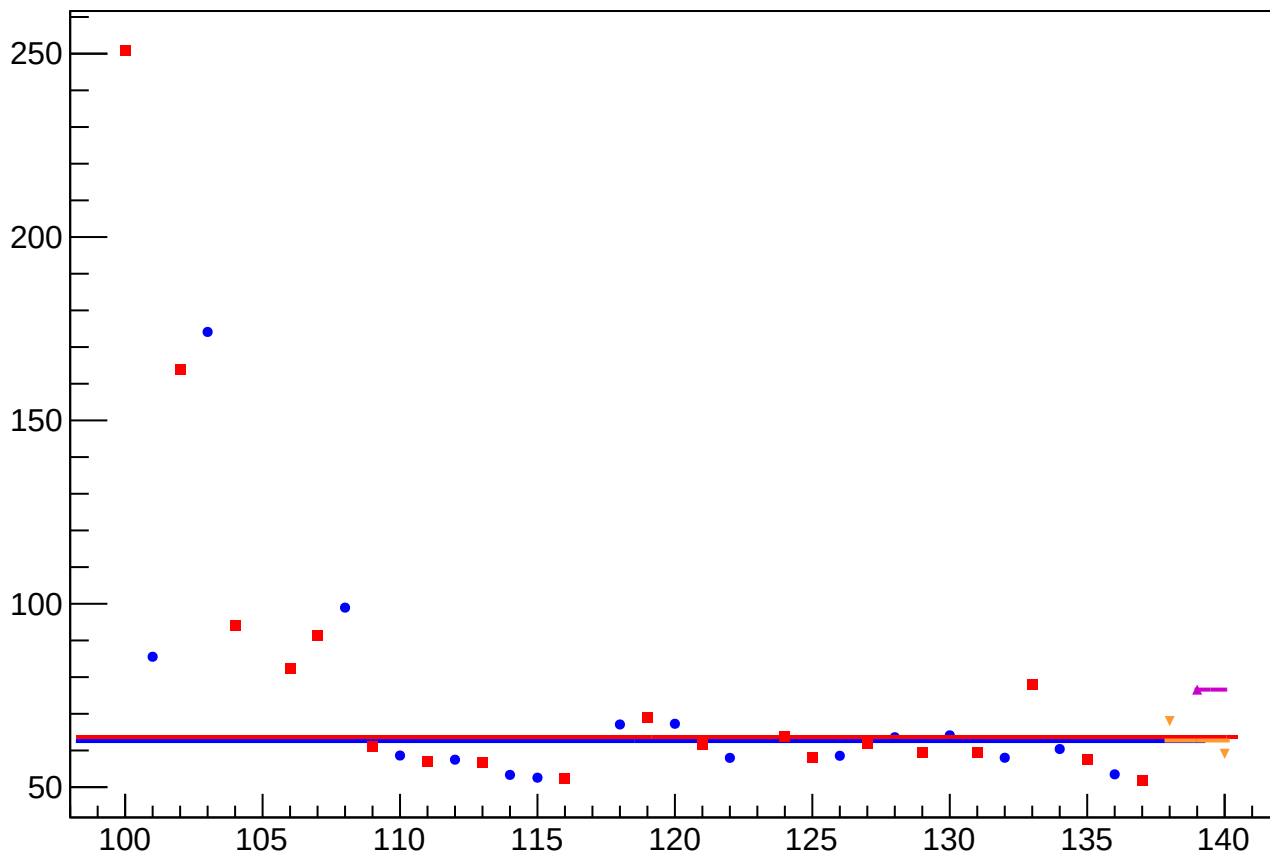
Left In: 31.151 $\pm$ 83.509 χ^2 /NDF: 0.0/0

+ sign 36.178 $\pm$ 21.788 χ^2 /NDF: 15.1/17

All: -8.950 $\pm$ 15.958 χ^2 /NDF: 51.0/37

- sign -61.174 $\pm$ 23.438 χ^2 /NDF: 26.6/19

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758605.6/15

Left Out: 62.717 $\pm$ 0.035 χ^2 /NDF: 15376.9/1

Right Out: 63.675 $\pm$ 0.017 χ^2 /NDF: 831432.5/18

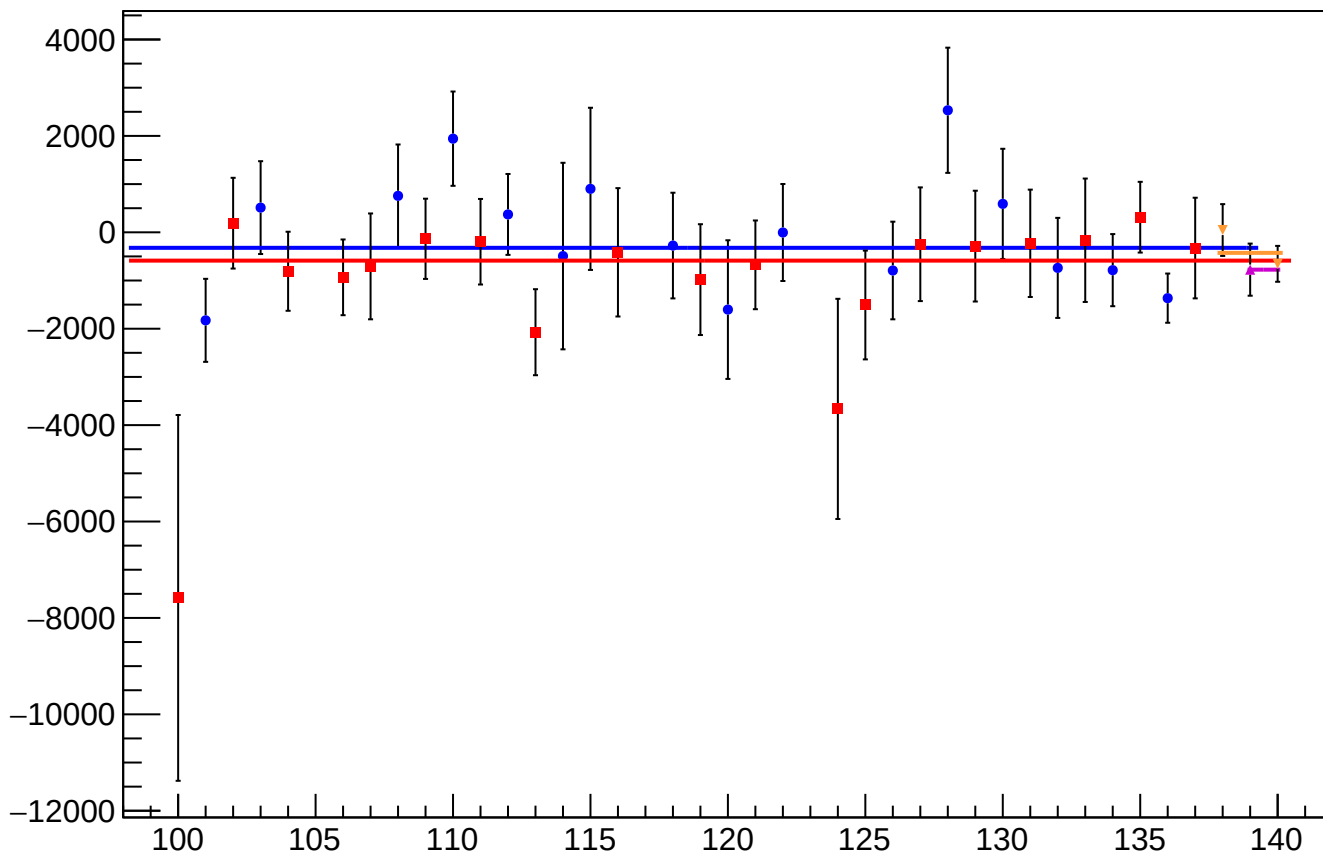
Left In: 76.599 $\pm$ 0.059 χ^2 /NDF: 0.0/0

+ sign 62.594 $\pm$ 0.015 χ^2 /NDF: 773997.3/17

All: 63.567 $\pm$ 0.011 χ^2 /NDF: 1658162.8/37

- sign 64.693 $\pm$ 0.017 χ^2 /NDF: 875561.3/19

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -321.660 ± 238.484 χ^2/NDF : 22.7/15

Left Out: -426.498 ± 305.968 χ^2/NDF : 1.2/1

Right Out: -587.224 ± 234.080 χ^2/NDF : 12.2/18

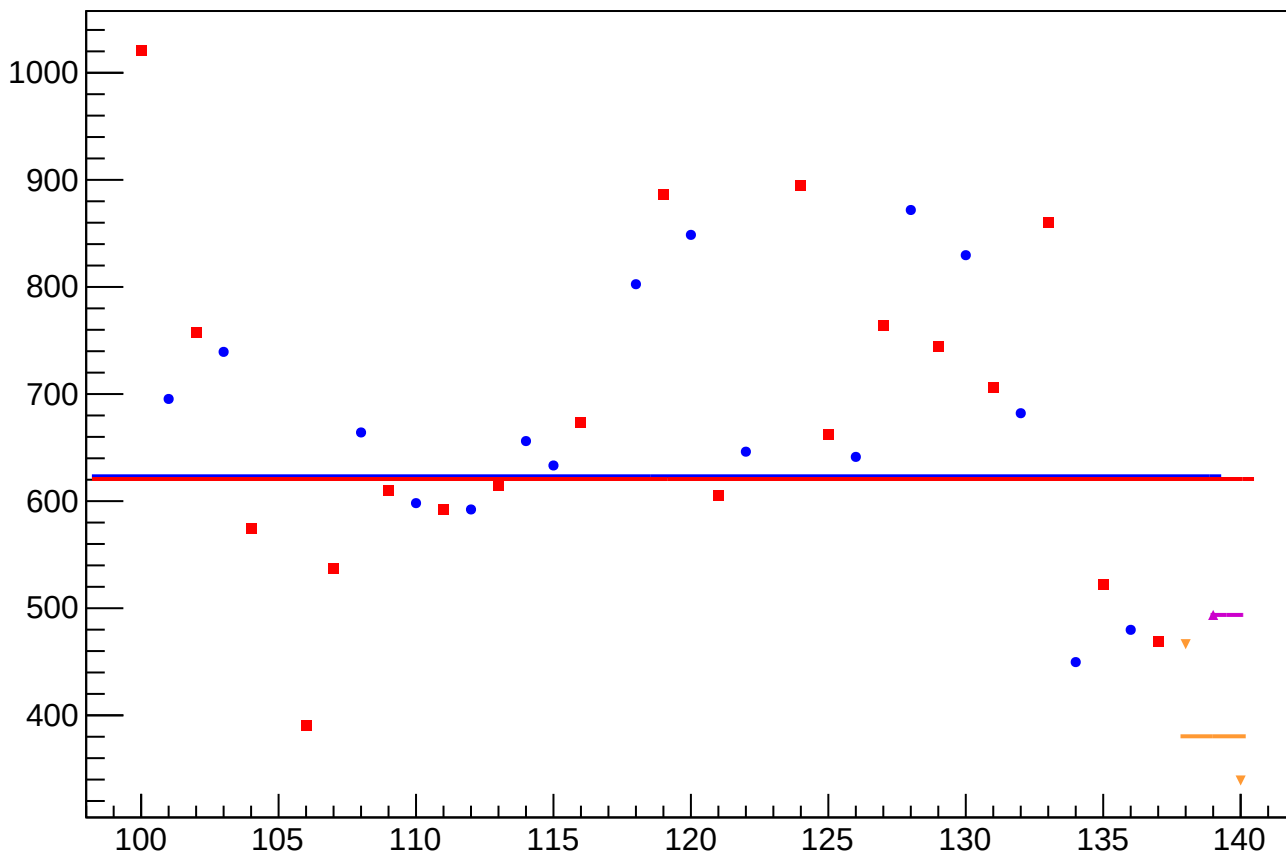
Left In: -774.763 ± 540.664 χ^2/NDF : 0.0/0

+ sign -361.281 ± 188.096 χ^2/NDF : 23.9/17

All: -472.184 ± 141.512 χ^2/NDF : 37.0/37

- sign -616.828 ± 214.811 χ^2/NDF : 12.3/19

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF : 565557.0/15

Left Out: 380.409+/-0.216 χ^2/NDF : 75864.5/1

Right Out: 620.673+/-0.166 χ^2/NDF : 610523.8/18

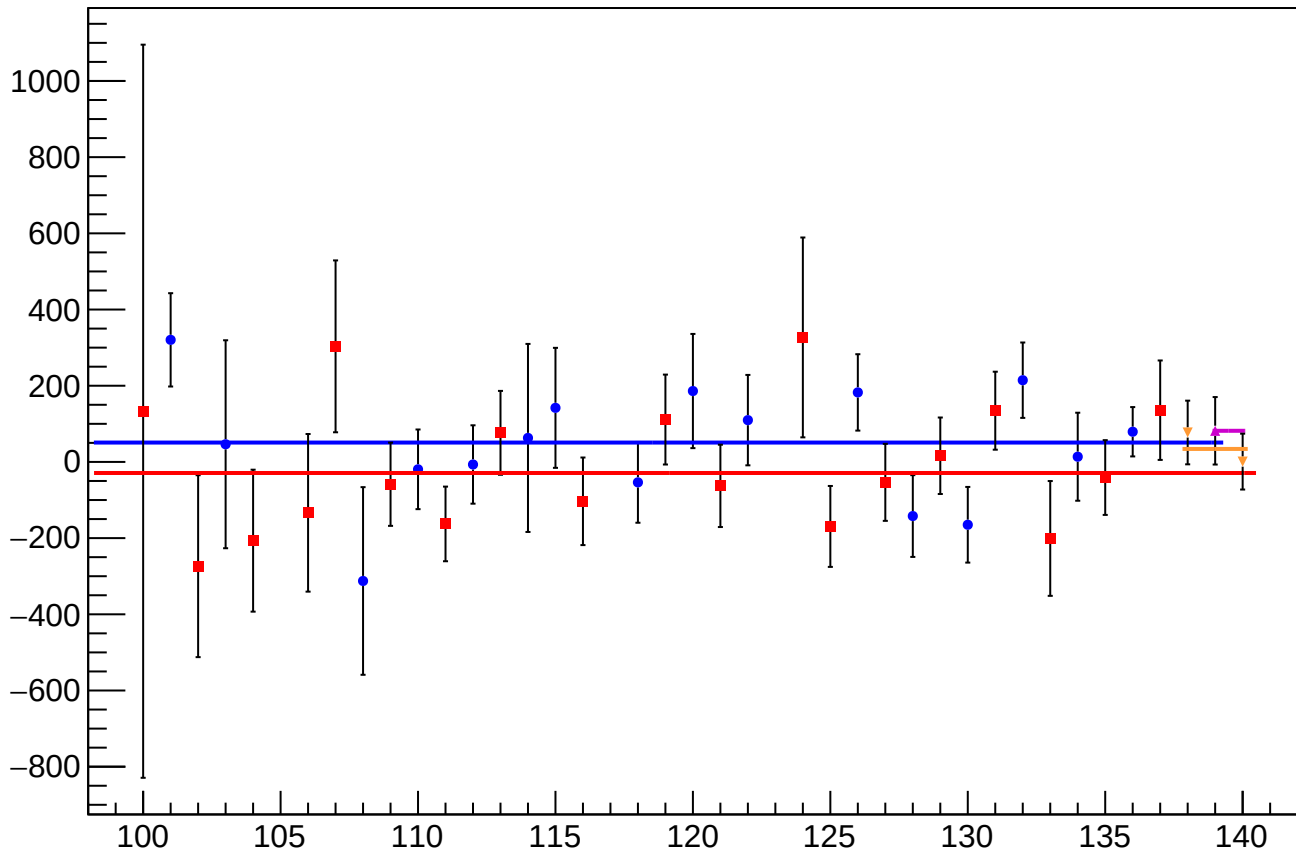
Left In: 493.753+/-0.382 χ^2/NDF : 0.0/0

+ sign 531.433+/-0.133 χ^2/NDF : 1424721.8/17

All: 561.467+/-0.100 χ^2/NDF : 2245555.5/37

- sign 600.638+/-0.152 χ^2/NDF : 703339.1/19

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 $\pm$ 28.316 χ^2 /NDF: 22.9/15

Left Out: 34.094 $\pm$ 55.111 χ^2 /NDF: 0.5/1

Right Out: -29.040 $\pm$ 28.910 χ^2 /NDF: 18.5/18

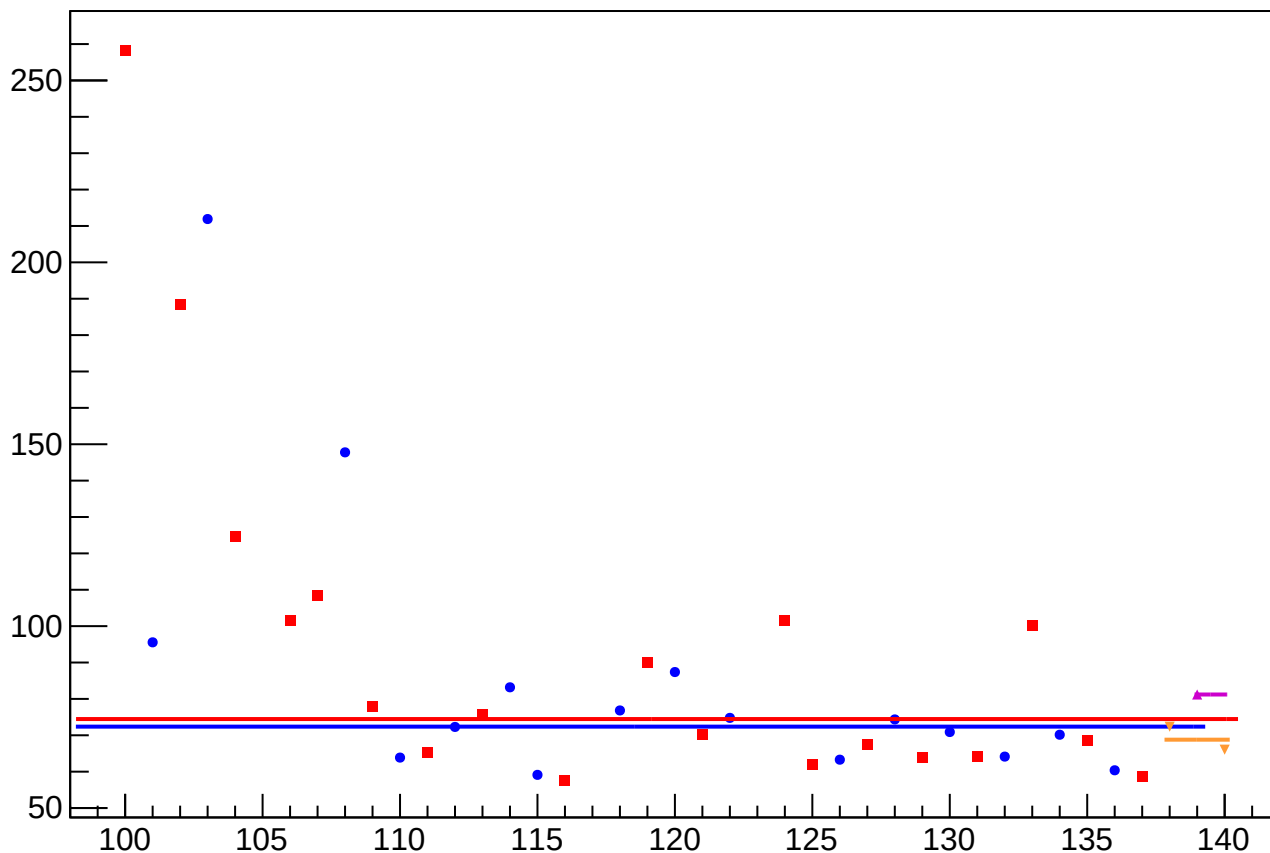
Left In: 81.715 $\pm$ 88.565 χ^2 /NDF: 0.0/0

+ sign 47.343 $\pm$ 25.186 χ^2 /NDF: 23.4/17

All: 17.344 $\pm$ 18.568 χ^2 /NDF: 46.4/37

- sign -18.375 $\pm$ 27.483 χ^2 /NDF: 19.9/19

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378 $\pm$ 0.020 χ^2 /NDF: 938175.3/15

Left Out: 68.791 $\pm$ 0.039 χ^2 /NDF: 6458.4/1

Right Out: 74.463 $\pm$ 0.020 χ^2 /NDF: 1052296.6/18

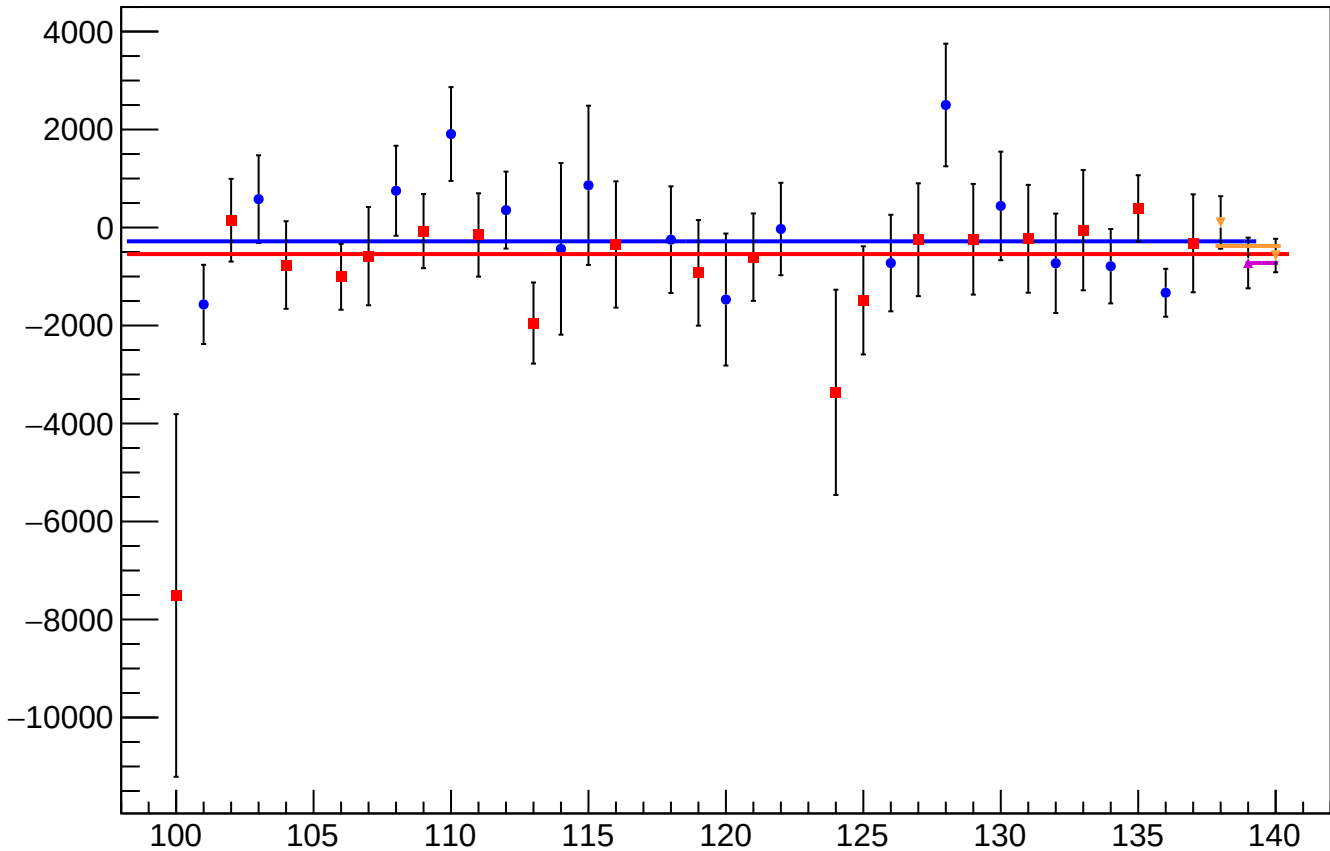
Left In: 81.209 $\pm$ 0.063 χ^2 /NDF: 0.0/0

+ sign 71.629 $\pm$ 0.018 χ^2 /NDF: 951335.3/17

All: 73.219 $\pm$ 0.013 χ^2 /NDF: 2031589.4/37

- sign 75.113 $\pm$ 0.019 χ^2 /NDF: 1062781.7/19

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039 ± 227.789 χ^2/NDF : 22.8/15

Left Out: -376.707 ± 287.834 χ^2/NDF : 1.1/1

Right Out: -542.028 ± 220.904 χ^2/NDF : 13.3/18

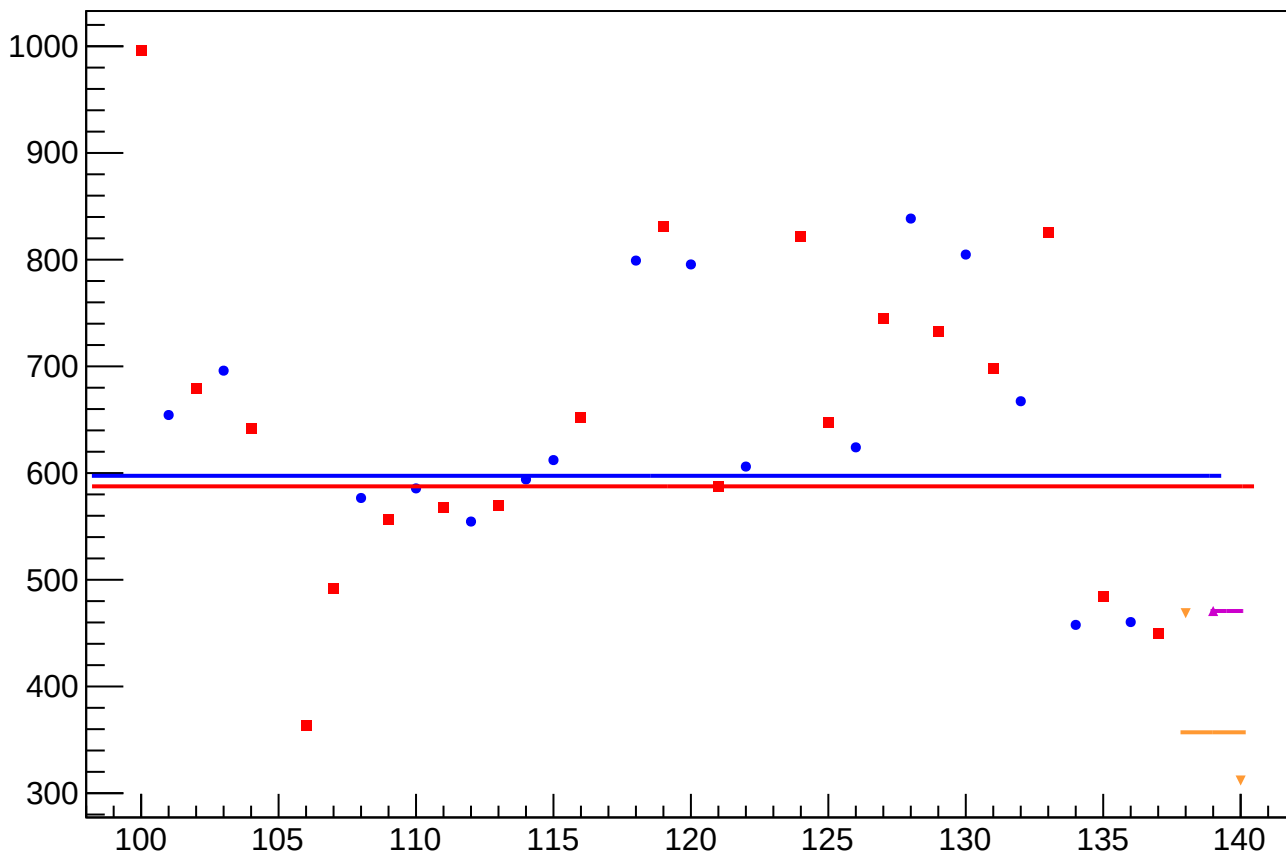
Left In: -723.234 ± 517.068 χ^2/NDF : 0.0/0

+ sign -318.497 ± 178.621 χ^2/NDF : 24.0/17

All: -428.159 ± 134.140 χ^2/NDF : 38.2/37

- sign -569.997 ± 203.142 χ^2/NDF : 13.4/19

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438 $\pm$ 0.161 χ^2 /NDF: 533791.9/15

Left Out: 357.062 $\pm$ 0.204 χ^2 /NDF:121793.5/1

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689035.8/18

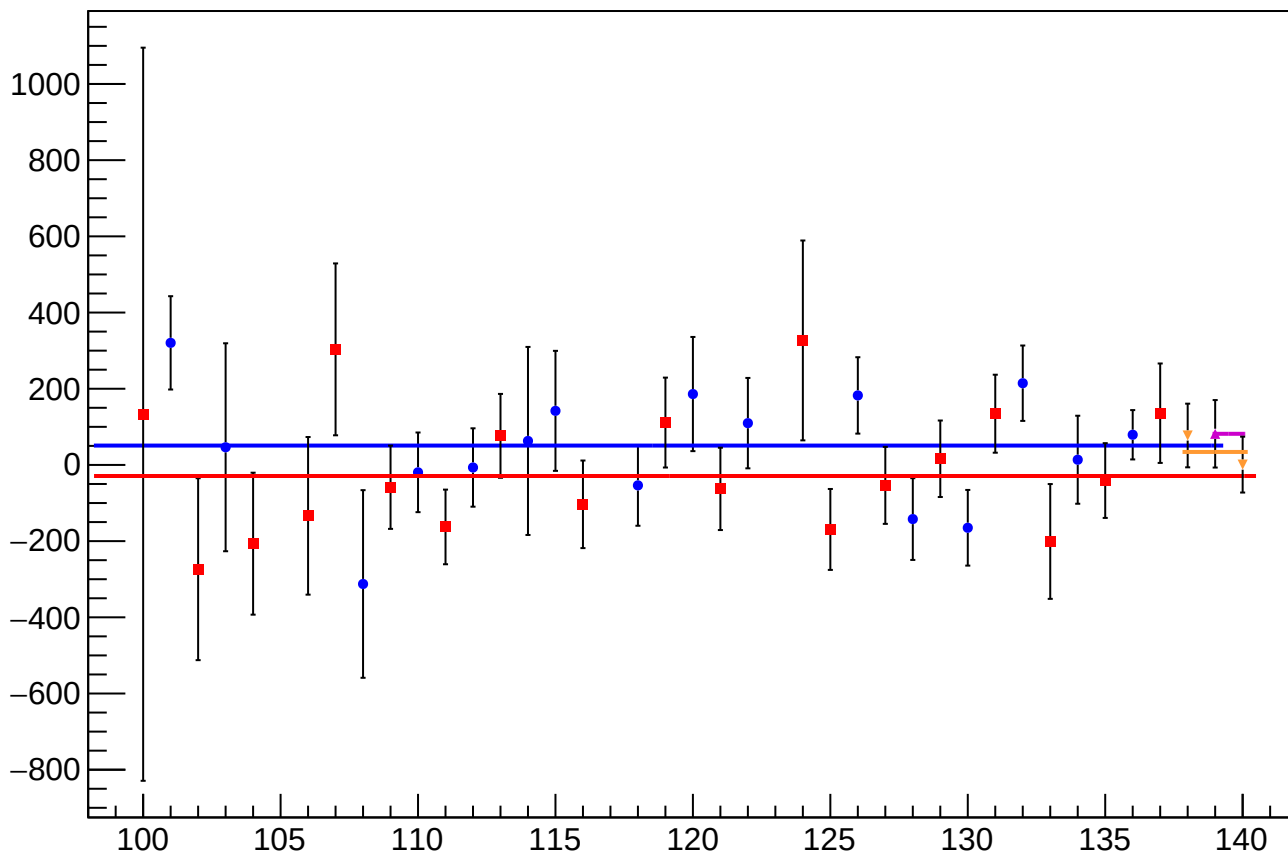
Left In: 470.746 $\pm$ 0.366 χ^2 /NDF:0.0/0

+ sign 504.868 $\pm$ 0.126 χ^2 /NDF: 1513267.5/17

All: 533.065 $\pm$ 0.095 χ^2 /NDF: 2402931.2/37

- sign 569.534 $\pm$ 0.144 χ^2 /NDF: 775364.2/19

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 $\pm$ 28.316 χ^2 /NDF: 22.9/15

Left Out: 34.096 $\pm$ 55.111 χ^2 /NDF: 0.5/1

Right Out: -29.038 $\pm$ 28.910 χ^2 /NDF: 18.5/18

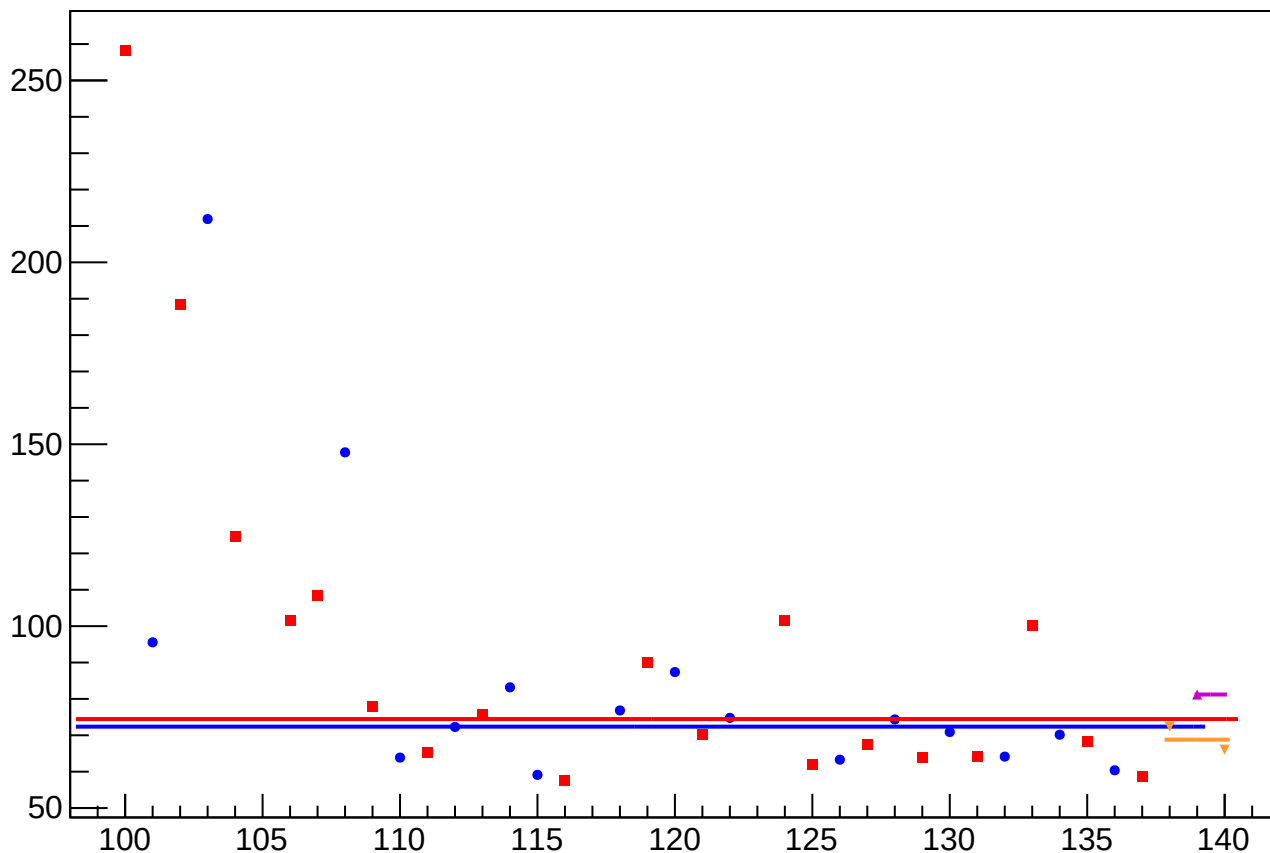
Left In: 81.712 $\pm$ 88.565 χ^2 /NDF: 0.0/0

+ sign 47.343 $\pm$ 25.186 χ^2 /NDF: 23.4/17

All: 17.344 $\pm$ 18.568 χ^2 /NDF: 46.4/37

- sign -18.374 $\pm$ 27.483 χ^2 /NDF: 19.9/19

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938180.0/15

Left Out: 68.791+/-0.039 χ^2/NDF : 6458.2/1

Right Out: 74.463+/-0.020 χ^2/NDF : 1052290.0/18

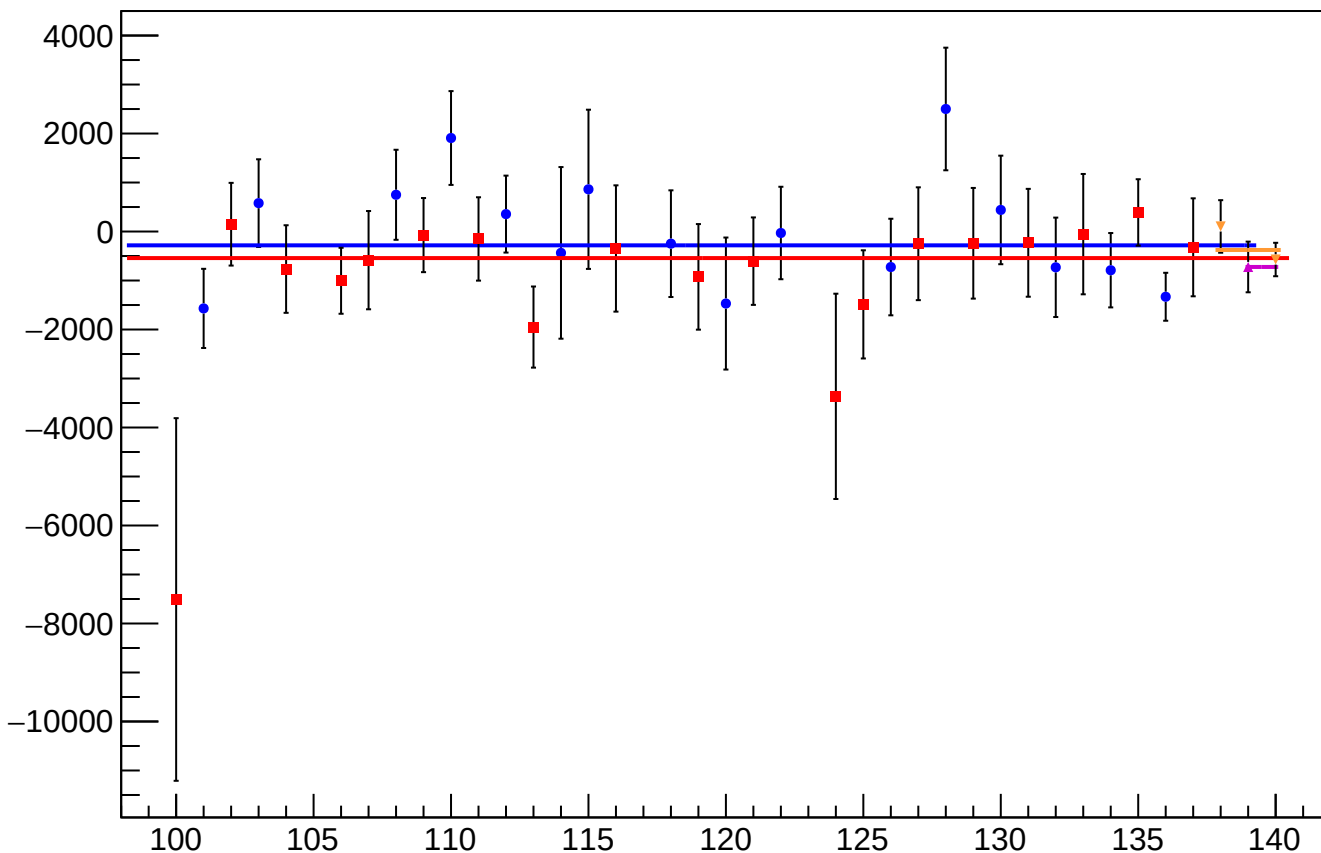
Left In: 81.209+/-0.063 χ^2/NDF : 0.0/0

+ sign 71.629+/-0.018 χ^2/NDF : 951338.8/17

All: 73.219+/-0.013 χ^2/NDF : 2031585.7/37

- sign 75.113+/-0.019 χ^2/NDF : 1062774.5/19

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -282.038 $\pm$ 227.789 χ^2 /NDF: 22.8/15

Left Out: -376.708 $\pm$ 287.834 χ^2 /NDF:1.1/1

Right Out: -542.028 $\pm$ 220.904 χ^2 /NDF: 13.3/18

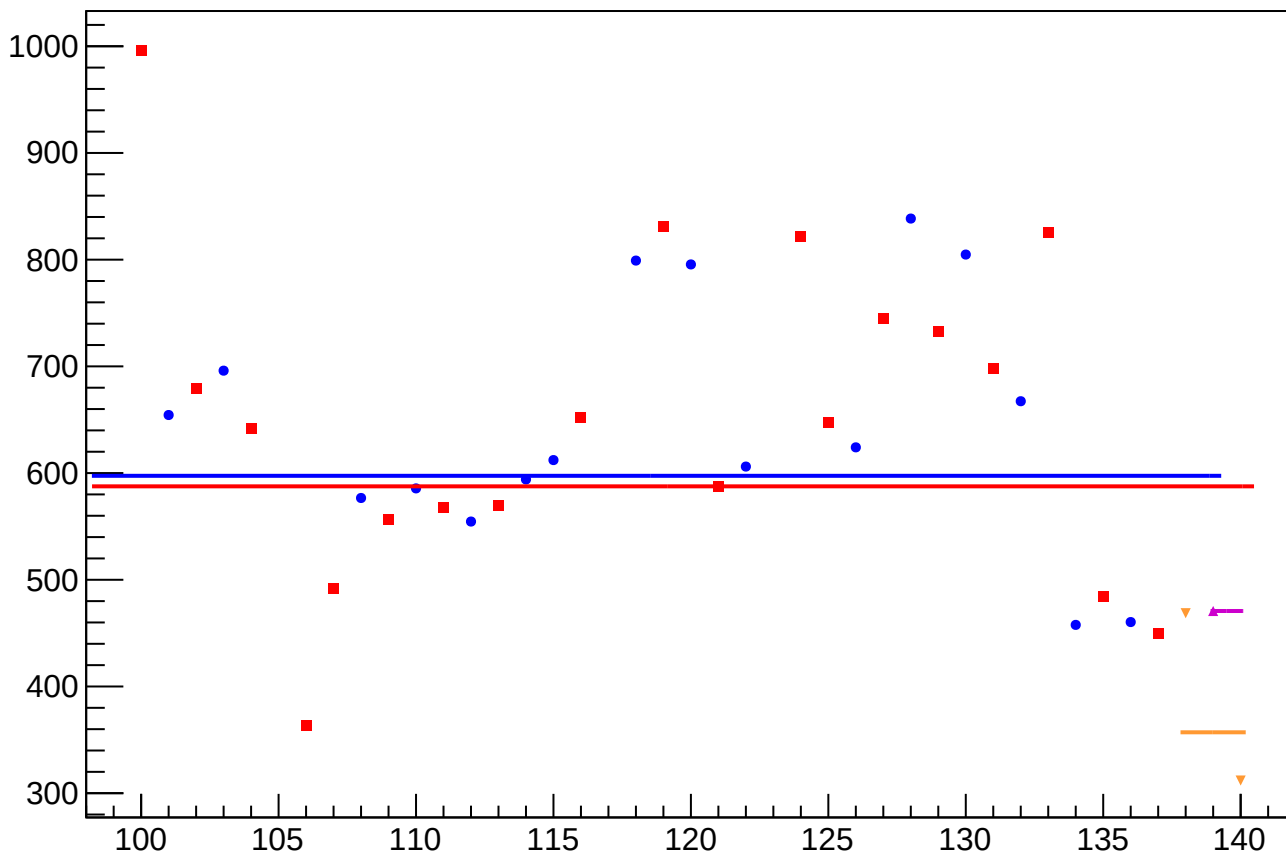
Left In: -723.235 $\pm$ 517.069 χ^2 /NDF:0.0/0

+ sign -318.496 $\pm$ 178.621 χ^2 /NDF: 24.0/17

All: -428.159 $\pm$ 134.140 χ^2 /NDF: 38.2/37

- sign -569.997 $\pm$ 203.142 χ^2 /NDF: 13.4/19

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439 $\pm$ 0.161 χ^2 /NDF: 533790.1/15

Left Out: 357.062 $\pm$ 0.204 χ^2 /NDF:121796.2/1

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689033.6/18

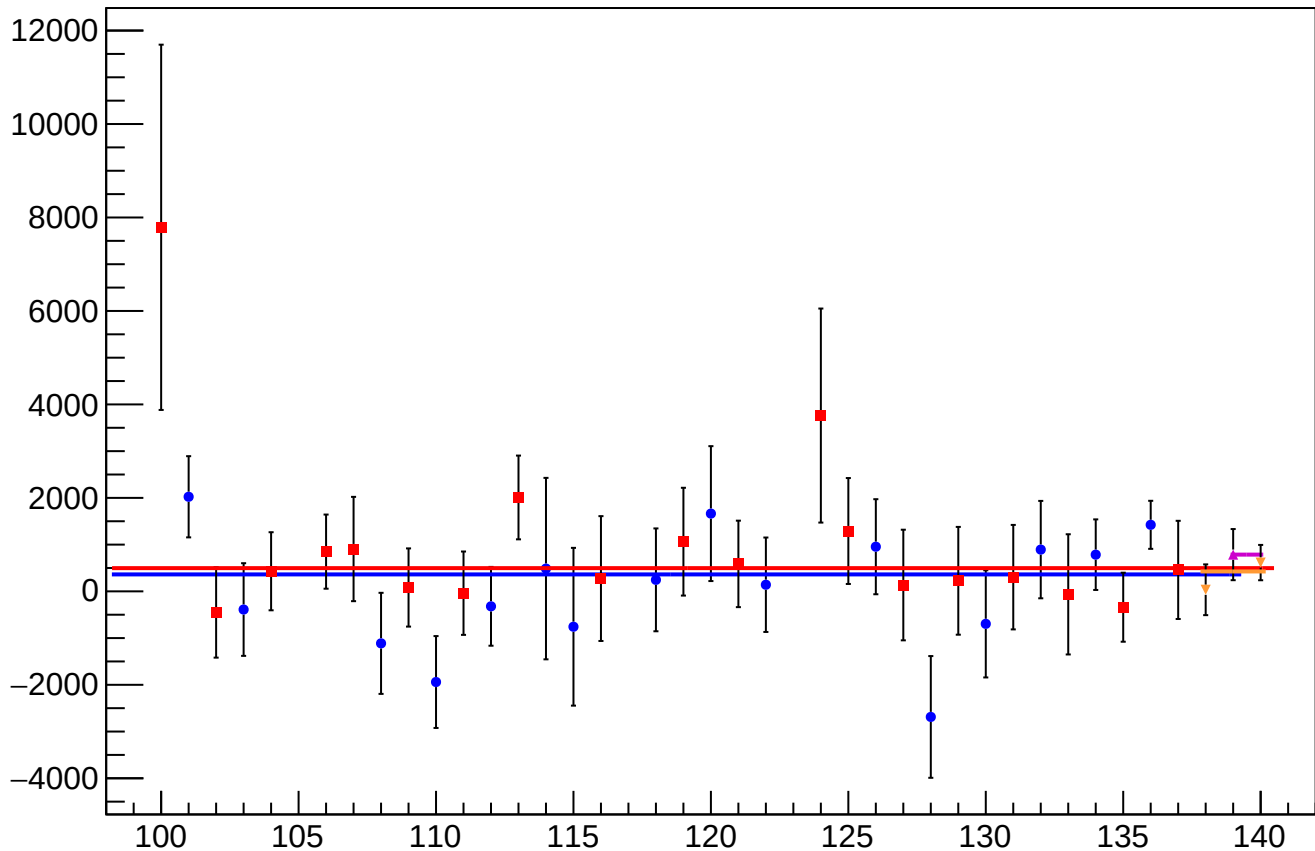
Left In: 470.747 $\pm$ 0.366 χ^2 /NDF:0.0/0

+ sign 504.868 $\pm$ 0.126 χ^2 /NDF: 1513271.6/17

All: 533.065 $\pm$ 0.095 χ^2 /NDF: 2402930.6/37

- sign 569.534 $\pm$ 0.144 χ^2 /NDF: 775359.6/19

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF : 25.1/15

Left Out: 425.671+/-310.190 χ^2/NDF : 0.8/1

Right Out: 496.639+/-236.029 χ^2/NDF : 12.7/18

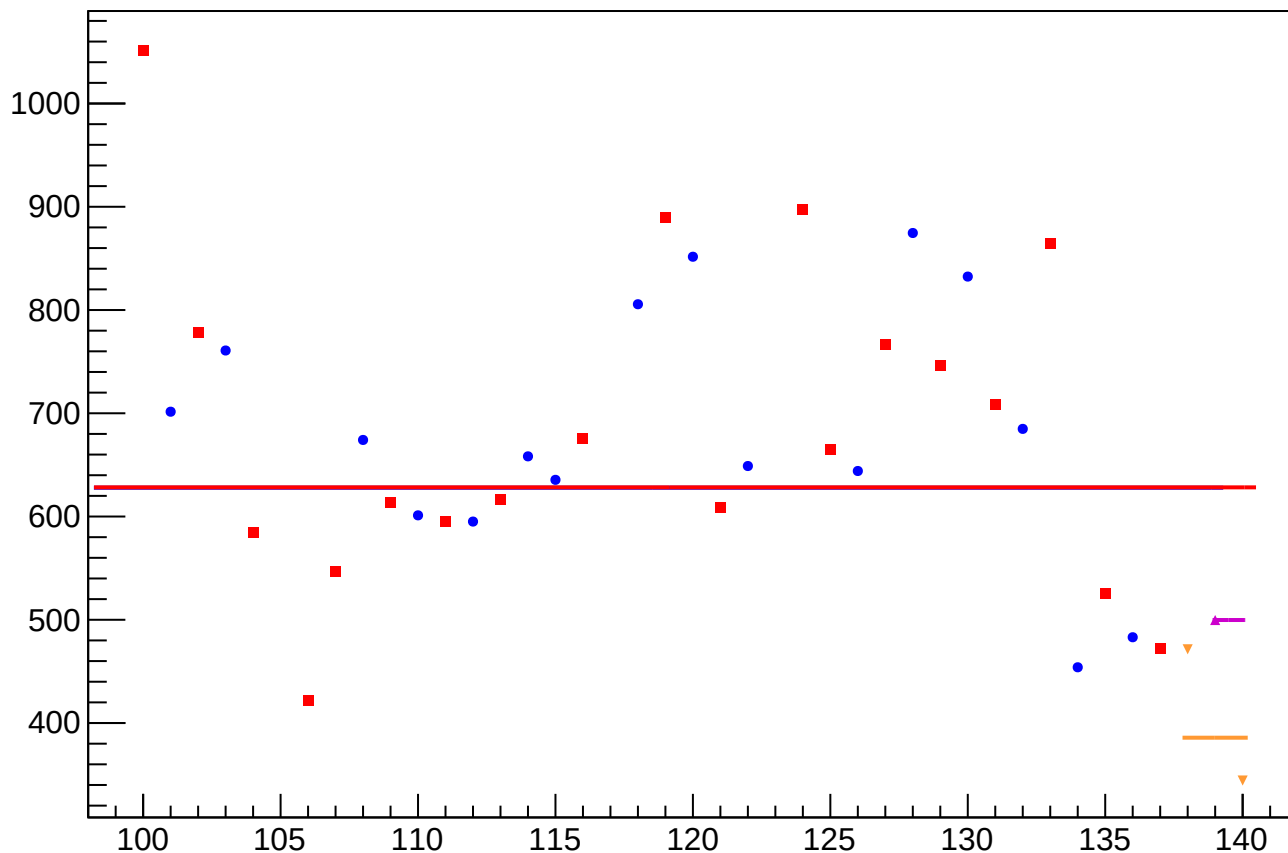
Left In: 785.974+/-547.173 χ^2/NDF : 0.0/0

+ sign 386.120+/-189.967 χ^2/NDF : 25.9/17

All: 453.861+/-142.856 χ^2/NDF : 39.1/37

- sign 542.030+/-216.725 χ^2/NDF : 12.9/19

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF : 566795.7/15

Left Out: 385.790+/-0.219 χ^2/NDF : 73809.1/1

Right Out: 628.250+/-0.167 χ^2/NDF : 570979.3/18

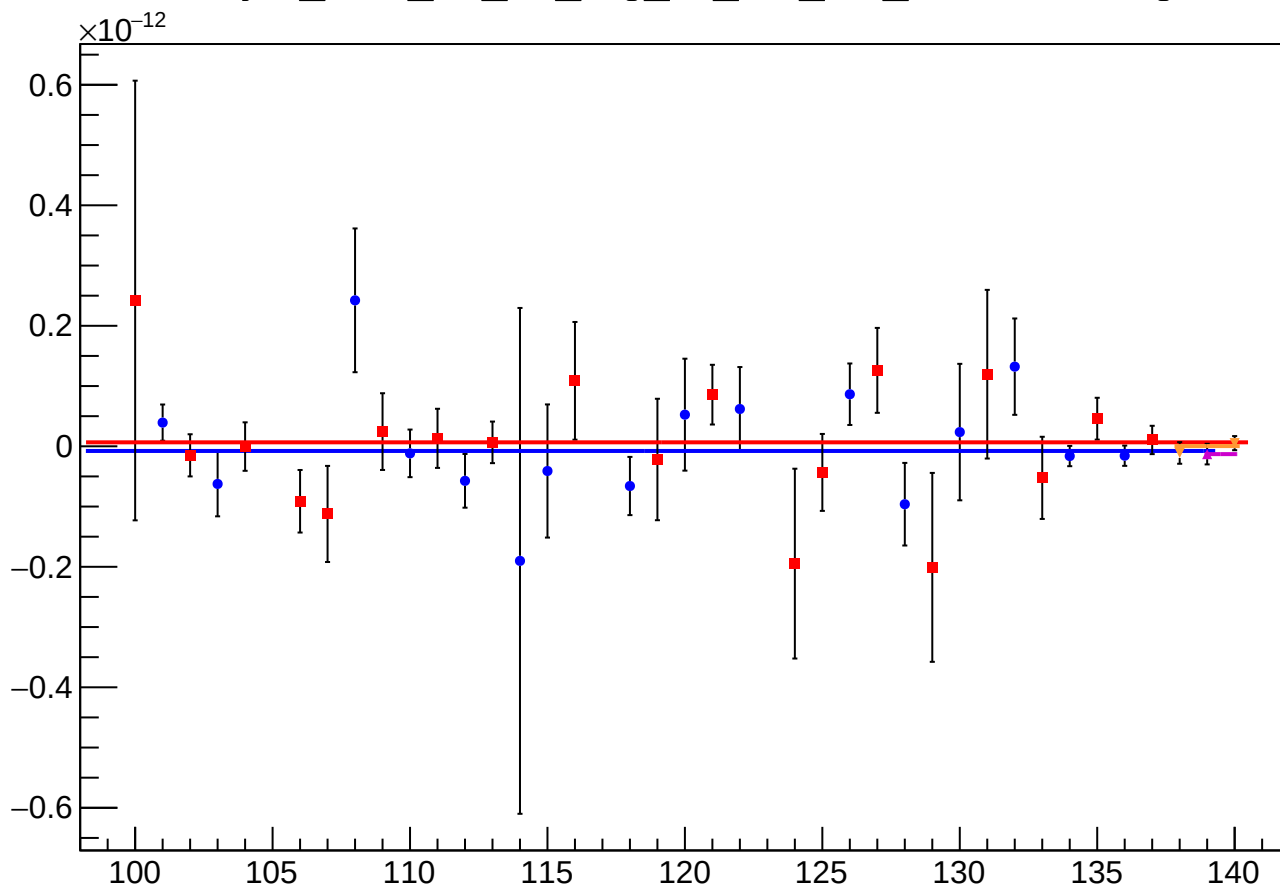
Left In: 499.774+/-0.387 χ^2/NDF : 0.0/0

+ sign 537.092+/-0.134 χ^2/NDF : 1402023.9/17

All: 567.941+/-0.101 χ^2/NDF : 2187362.8/37

- sign 608.094+/-0.153 χ^2/NDF : 663943.1/19

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 20.0/18

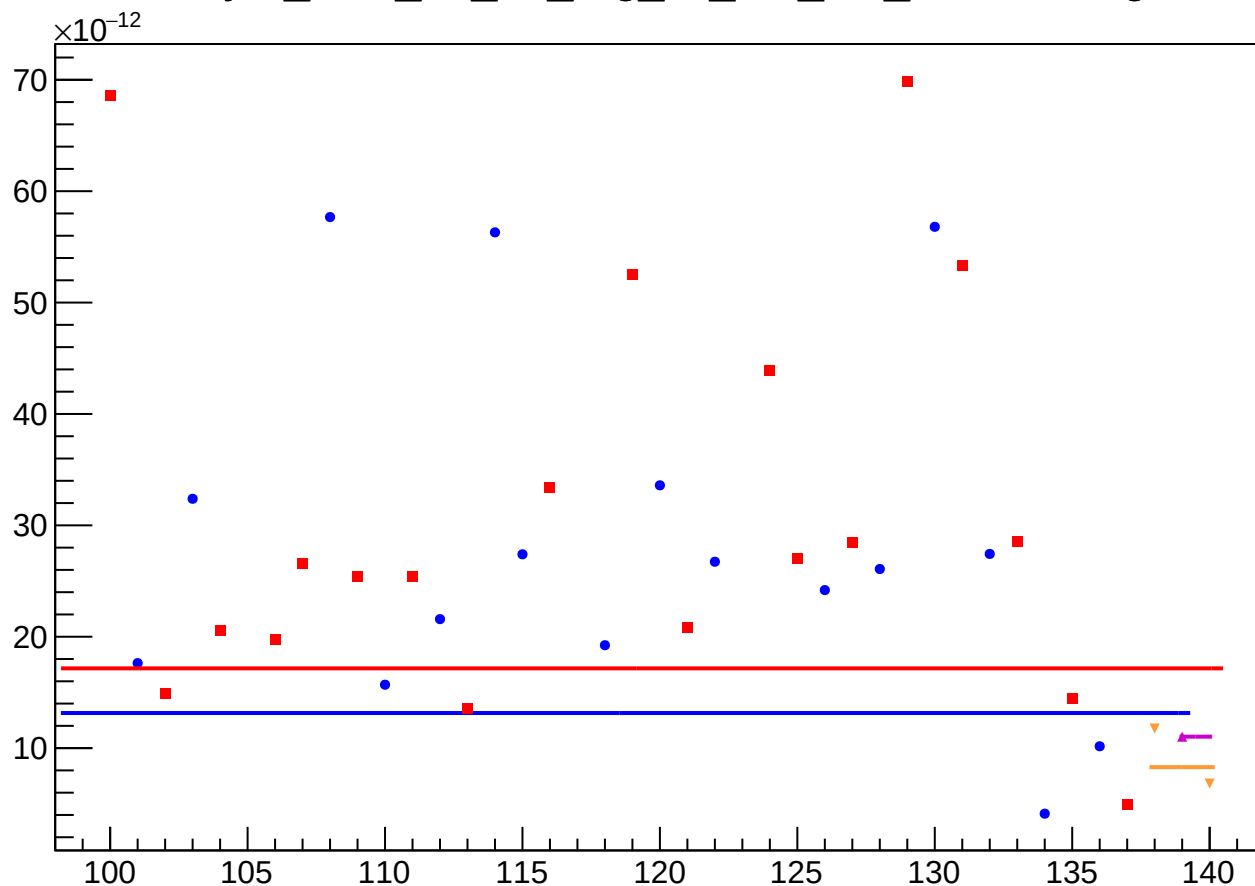
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 21.9/17

All: -0.000+/-0.000 χ^2/NDF : 42.9/37

- sign 0.000+/-0.000 χ^2/NDF : 20.9/19

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 106357.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1646197.6/18

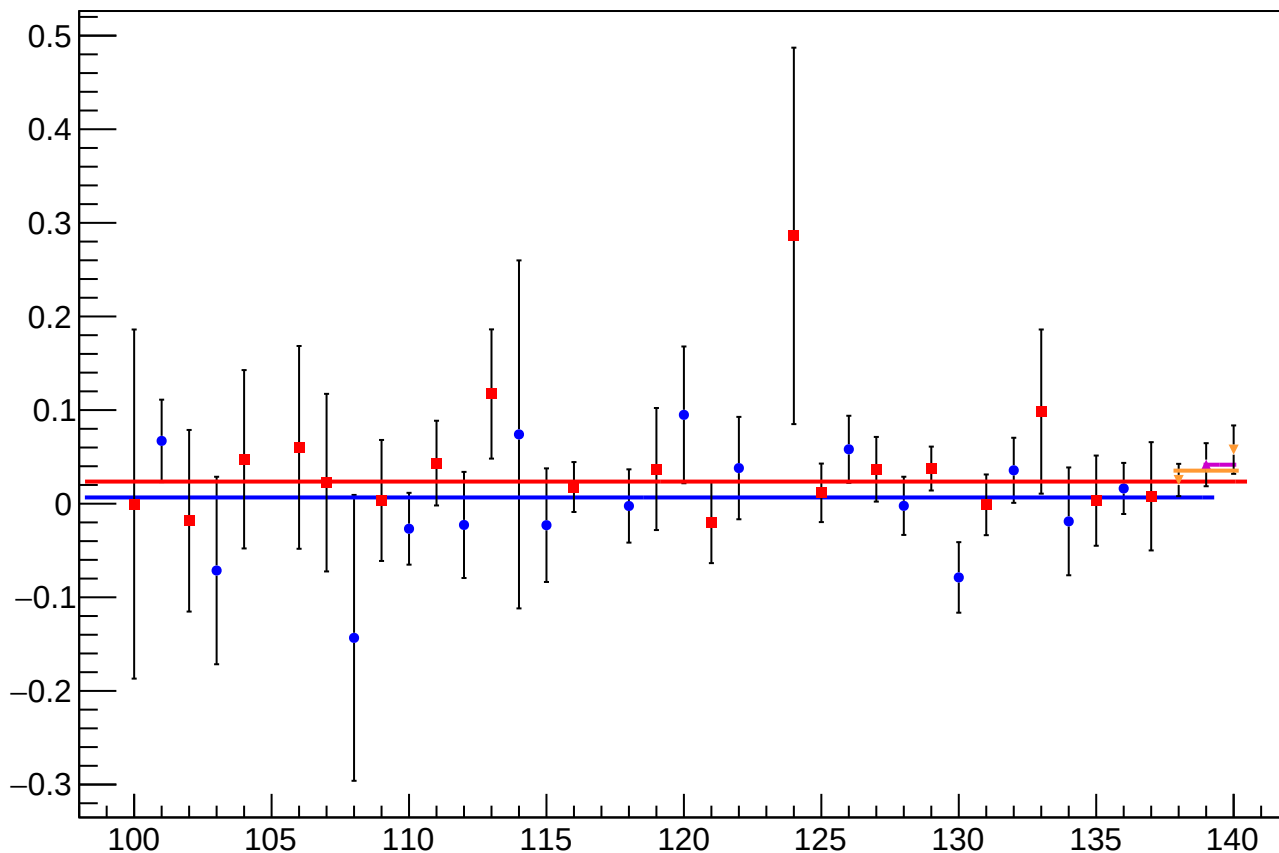
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2445633.5/17

All: 0.000+/-0.000 χ^2/NDF : 4551417.5/37

- sign 0.000+/-0.000 χ^2/NDF : 1823105.3/19

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.011 χ^2 /NDF: 15.0/15

Left Out: 0.035 $\pm$ 0.014 χ^2 /NDF: 1.1/1

Right Out: 0.024 $\pm$ 0.011 χ^2 /NDF: 7.5/18

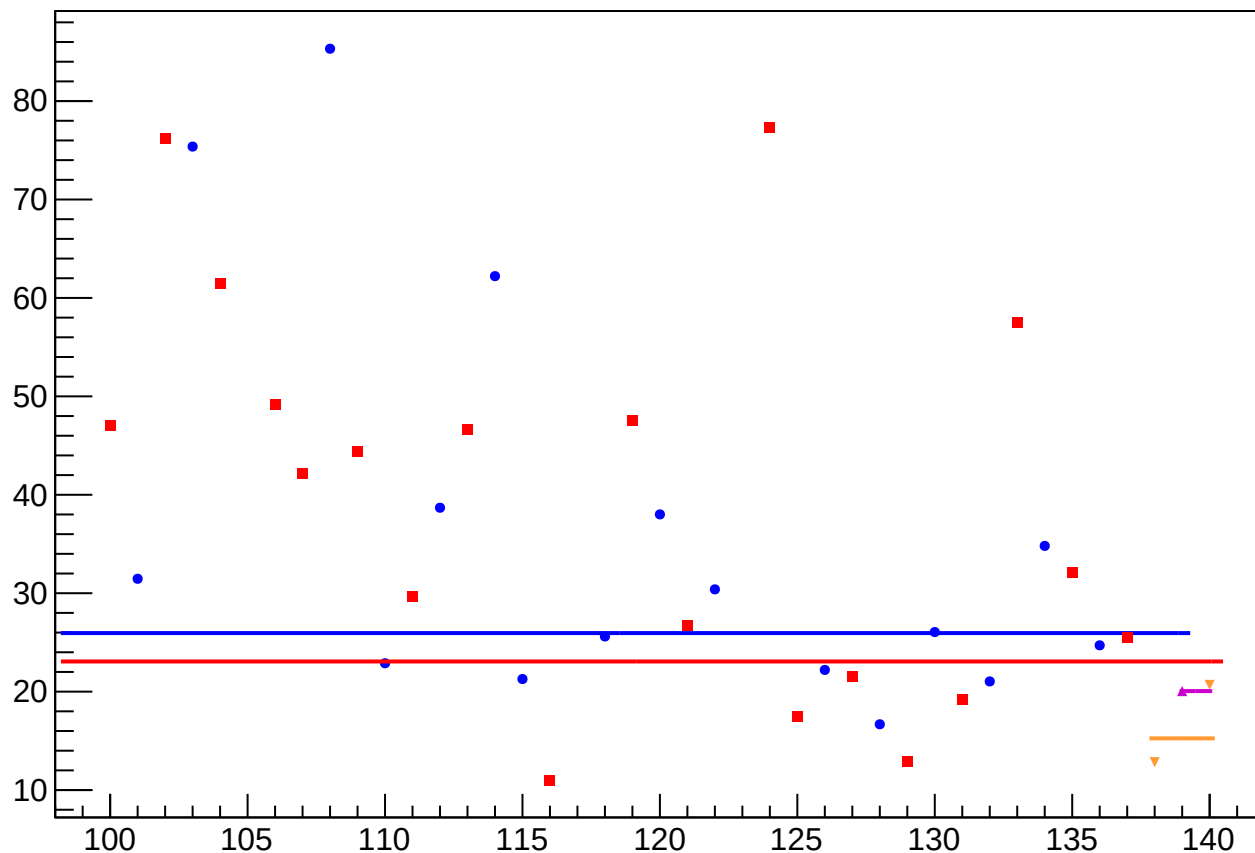
Left In: 0.042 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 18.6/17

All: 0.022 $\pm$ 0.006 χ^2 /NDF: 27.1/37

- sign 0.027 $\pm$ 0.010 χ^2 /NDF: 8.0/19

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949 ± 0.008 $\chi^2/\text{NDF}: 1381638.3/15$

Left Out: 15.254 ± 0.010 $\chi^2/\text{NDF}: 127606.6/1$

Right Out: 23.065 ± 0.007 $\chi^2/\text{NDF}: 3360857.8/18$

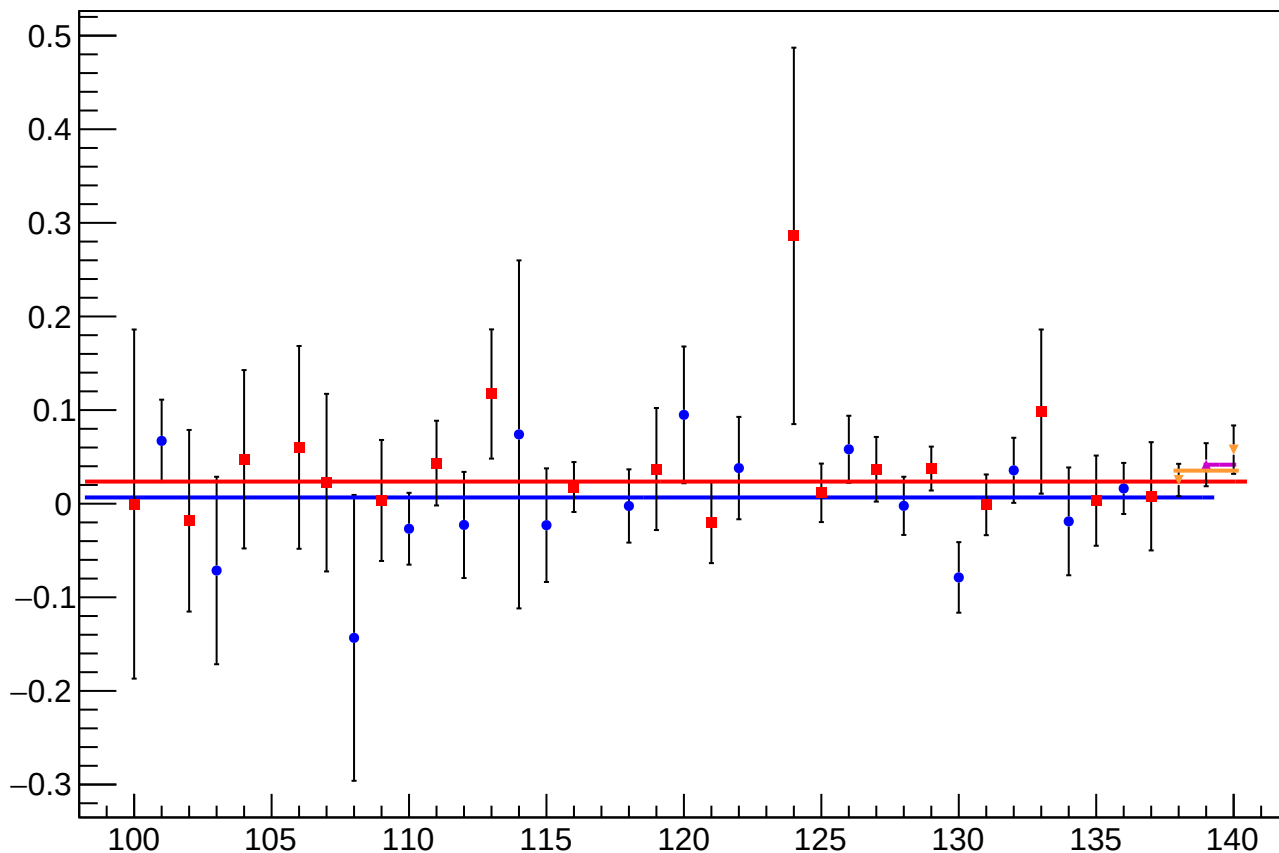
Left In: 20.056 ± 0.016 $\chi^2/\text{NDF}: 0.0/0$

+ sign 21.946 ± 0.006 $\chi^2/\text{NDF}: 2204299.9/17$

All: 22.221 ± 0.005 $\chi^2/\text{NDF}: 5597768.1/37$

- sign 22.546 ± 0.007 $\chi^2/\text{NDF}: 3389187.2/19$

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.035 ± 0.014 $\chi^2/\text{NDF}: 1.1/1$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

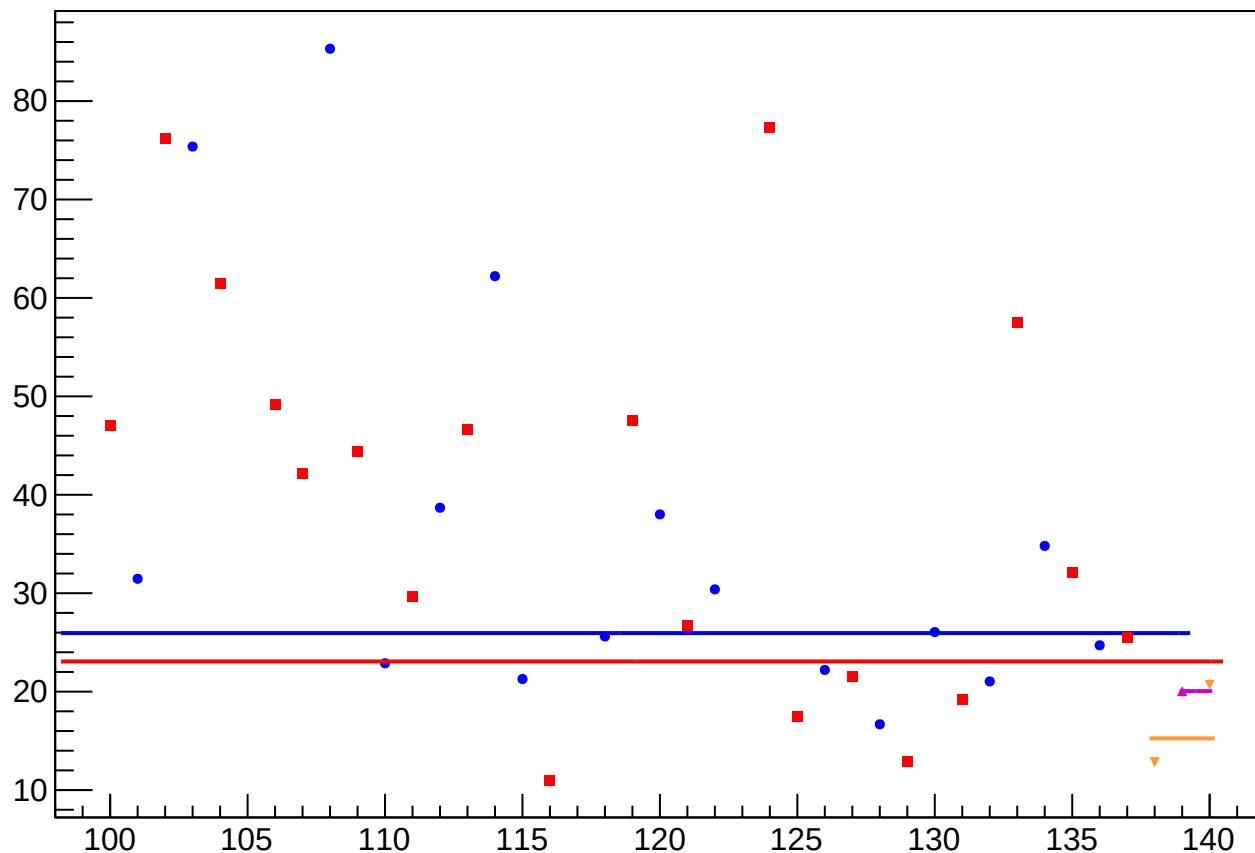
Left In: 0.042 ± 0.023 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.017 ± 0.009 $\chi^2/\text{NDF}: 18.6/17$

All: 0.022 ± 0.006 $\chi^2/\text{NDF}: 27.1/37$

- sign 0.027 ± 0.010 $\chi^2/\text{NDF}: 8.0/19$

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.949 ± 0.008 χ^2/NDF : 1381638.3/15

Left Out: 15.254 ± 0.010 χ^2/NDF : 127606.6/1

Right Out: 23.065 ± 0.007 χ^2/NDF : 3360857.8/18

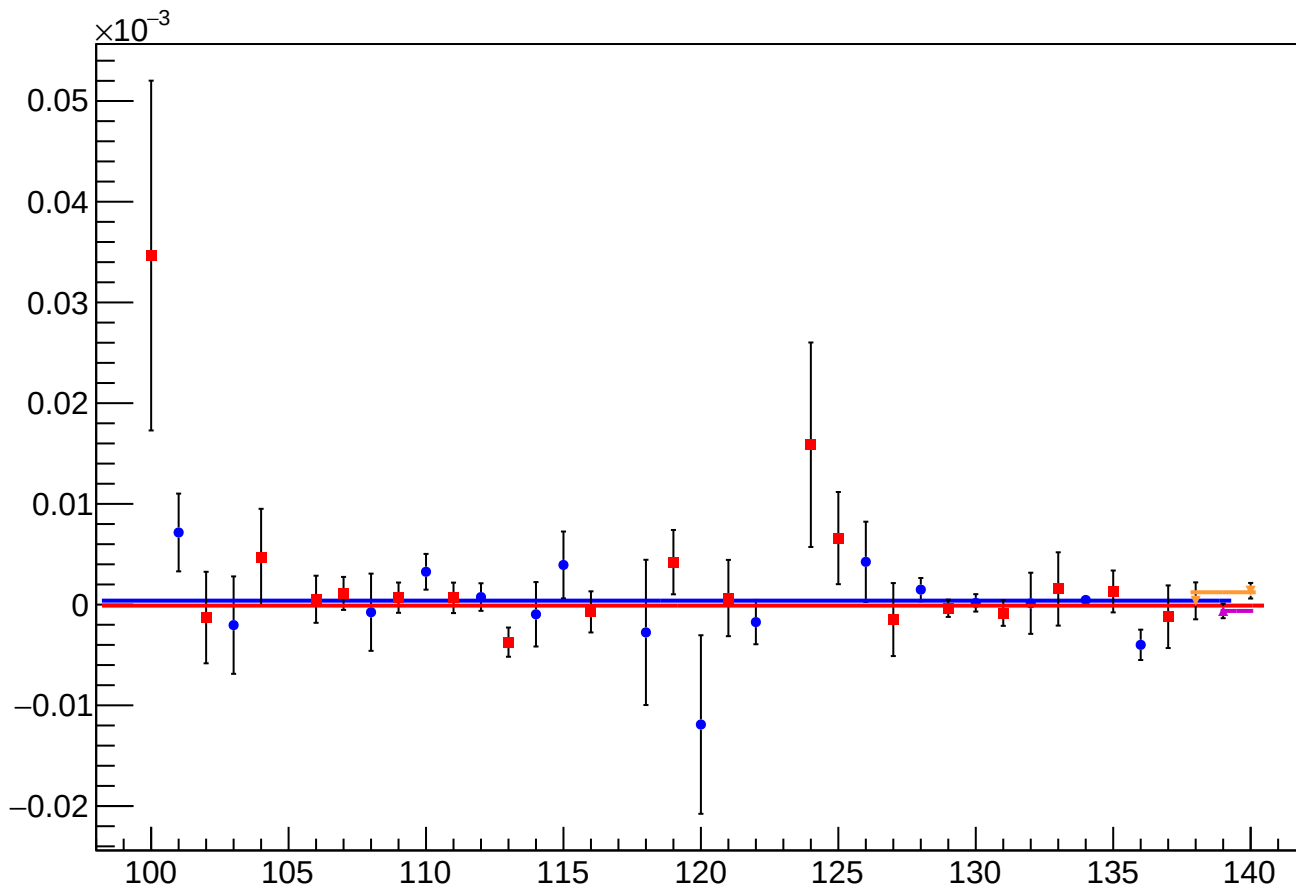
Left In: 20.056 ± 0.016 χ^2/NDF : 0.0/0

+ sign 21.946 ± 0.006 χ^2/NDF : 2204299.9/17

All: 22.221 ± 0.005 χ^2/NDF : 5597768.1/37

- sign 22.546 ± 0.007 χ^2/NDF : 3389187.2/19

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

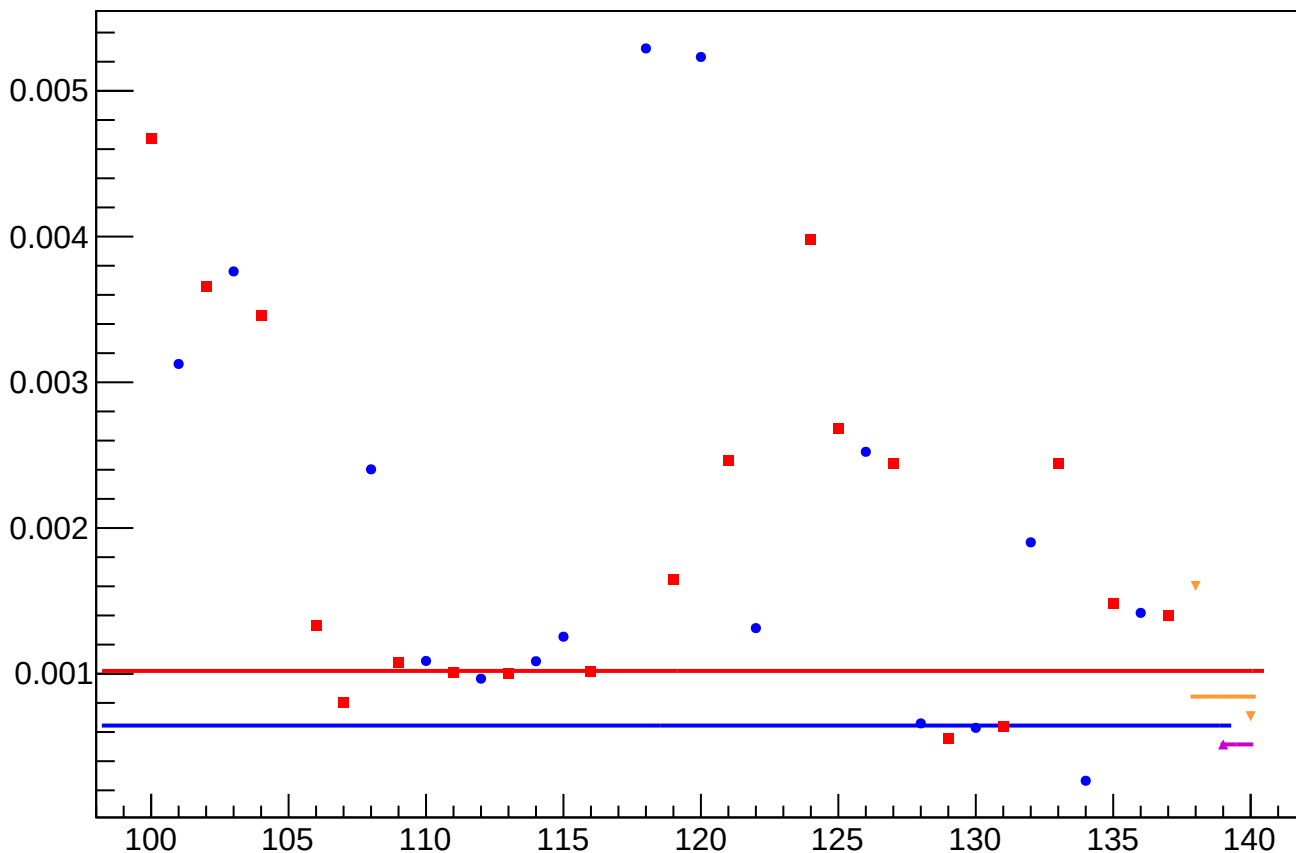
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/19

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF : 403508.3/1

Right Out: 0.001+/-0.000 χ^2/NDF : 3662501.2/18

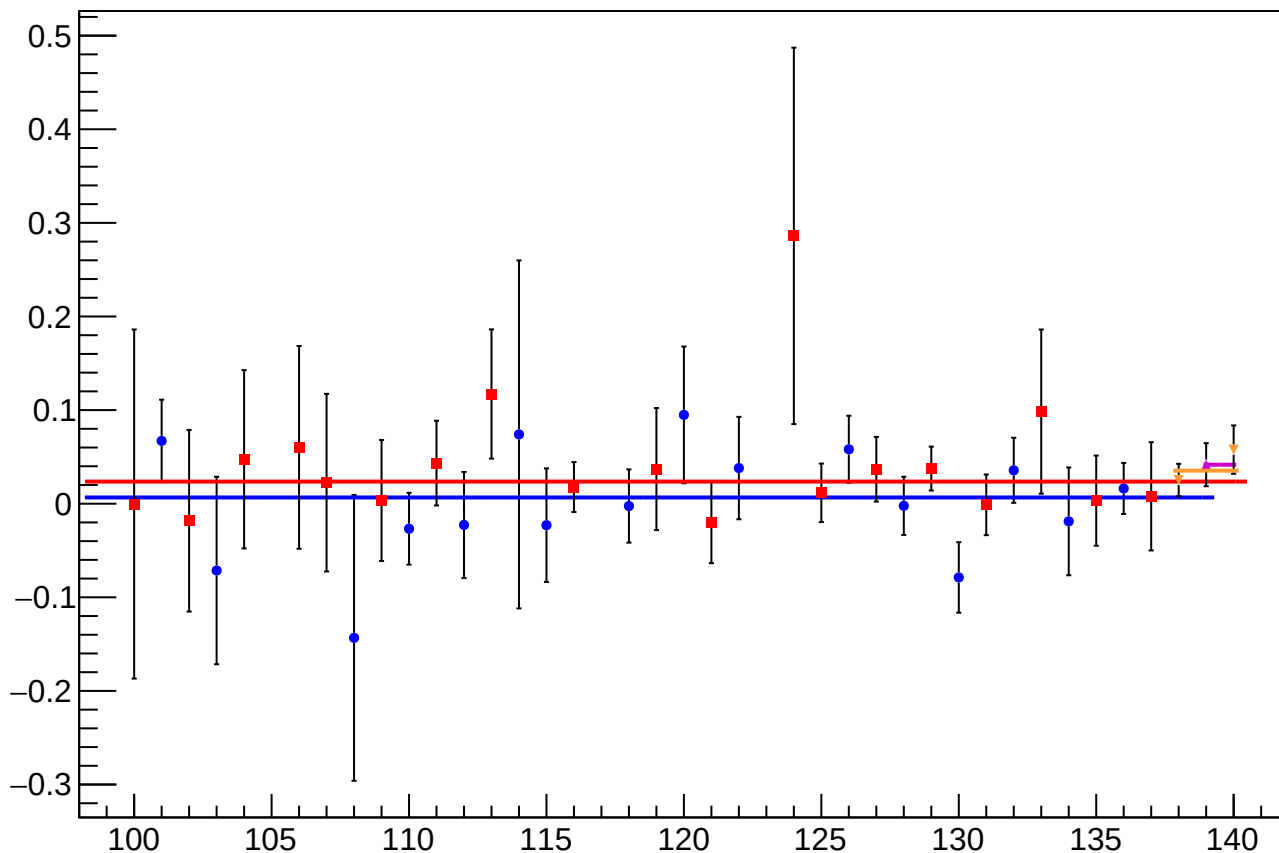
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 7106106.0/17

All: 0.001+/-0.000 χ^2/NDF : 11795204.3/37

- sign 0.001+/-0.000 χ^2/NDF : 4367211.5/19

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.035 ± 0.014 $\chi^2/\text{NDF}: 1.1/1$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

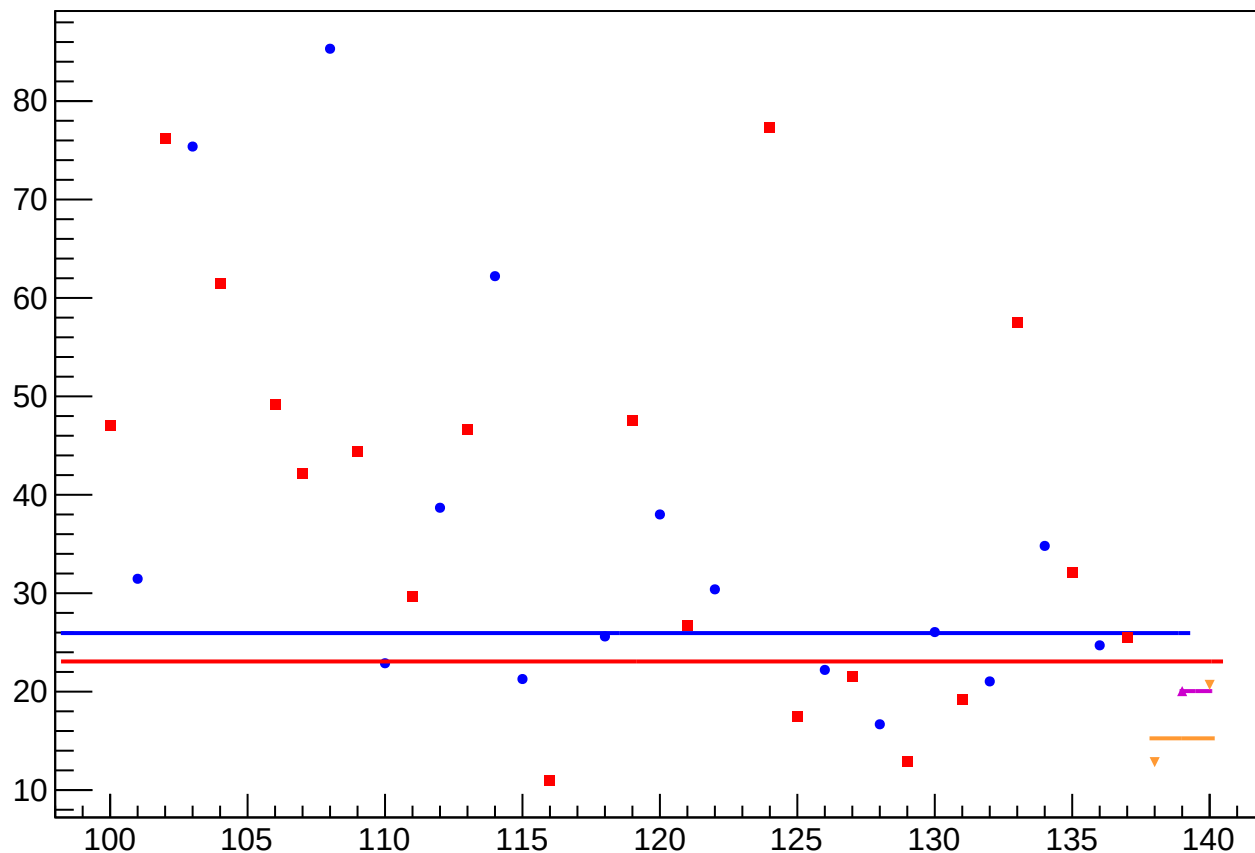
Left In: 0.042 ± 0.023 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.017 ± 0.009 $\chi^2/\text{NDF}: 18.6/17$

All: 0.022 ± 0.006 $\chi^2/\text{NDF}: 27.1/37$

- sign 0.027 ± 0.010 $\chi^2/\text{NDF}: 8.0/19$

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF : 1381591.4/15

Left Out: 15.255+/-0.010 χ^2/NDF :127600.4/1

Right Out: 23.066+/-0.007 χ^2/NDF : 3360688.5/18

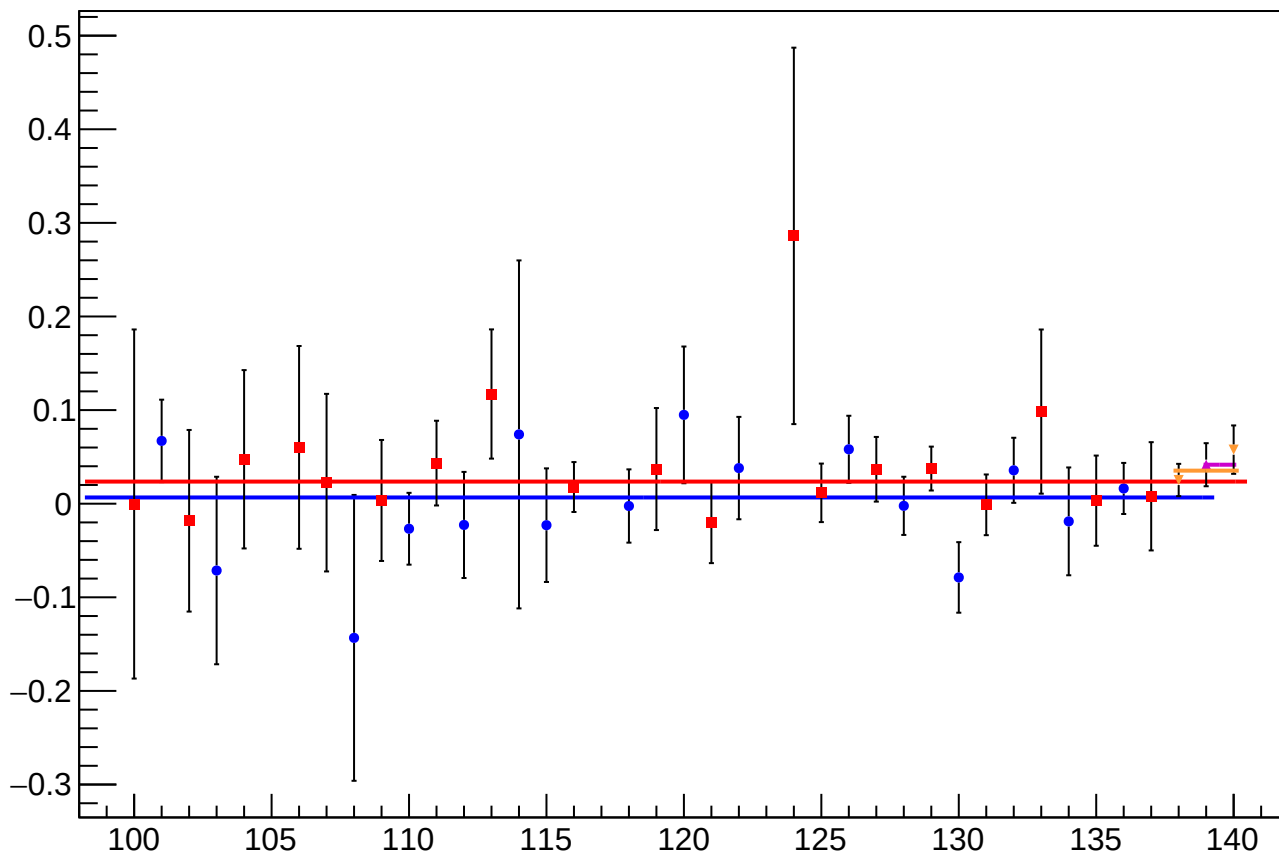
Left In: 20.055+/-0.016 χ^2/NDF :0.0/0

+ sign 21.946+/-0.006 χ^2/NDF : 2204168.0/17

All: 22.221+/-0.005 χ^2/NDF : 5597483.6/37

- sign 22.546+/-0.007 χ^2/NDF : 3389039.1/19

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.035 ± 0.014 $\chi^2/\text{NDF}: 1.1/1$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

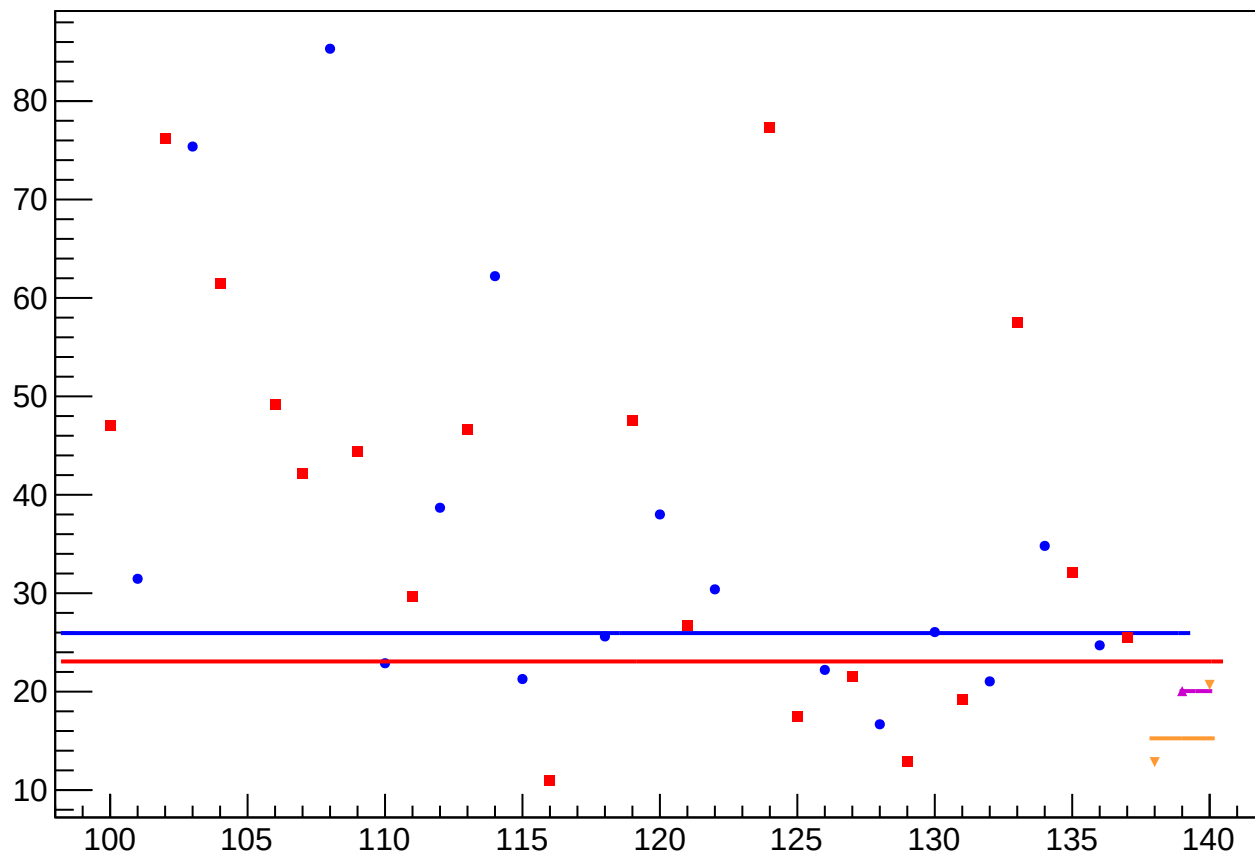
Left In: 0.042 ± 0.023 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.017 ± 0.009 $\chi^2/\text{NDF}: 18.6/17$

All: 0.022 ± 0.006 $\chi^2/\text{NDF}: 27.1/37$

- sign 0.027 ± 0.010 $\chi^2/\text{NDF}: 8.0/19$

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.950 $\pm$ 0.008 χ^2/NDF : 1381591.4/15

Left Out: 15.255 $\pm$ 0.010 χ^2/NDF :127600.4/1

Right Out: 23.066 $\pm$ 0.007 χ^2/NDF : 3360688.5/18

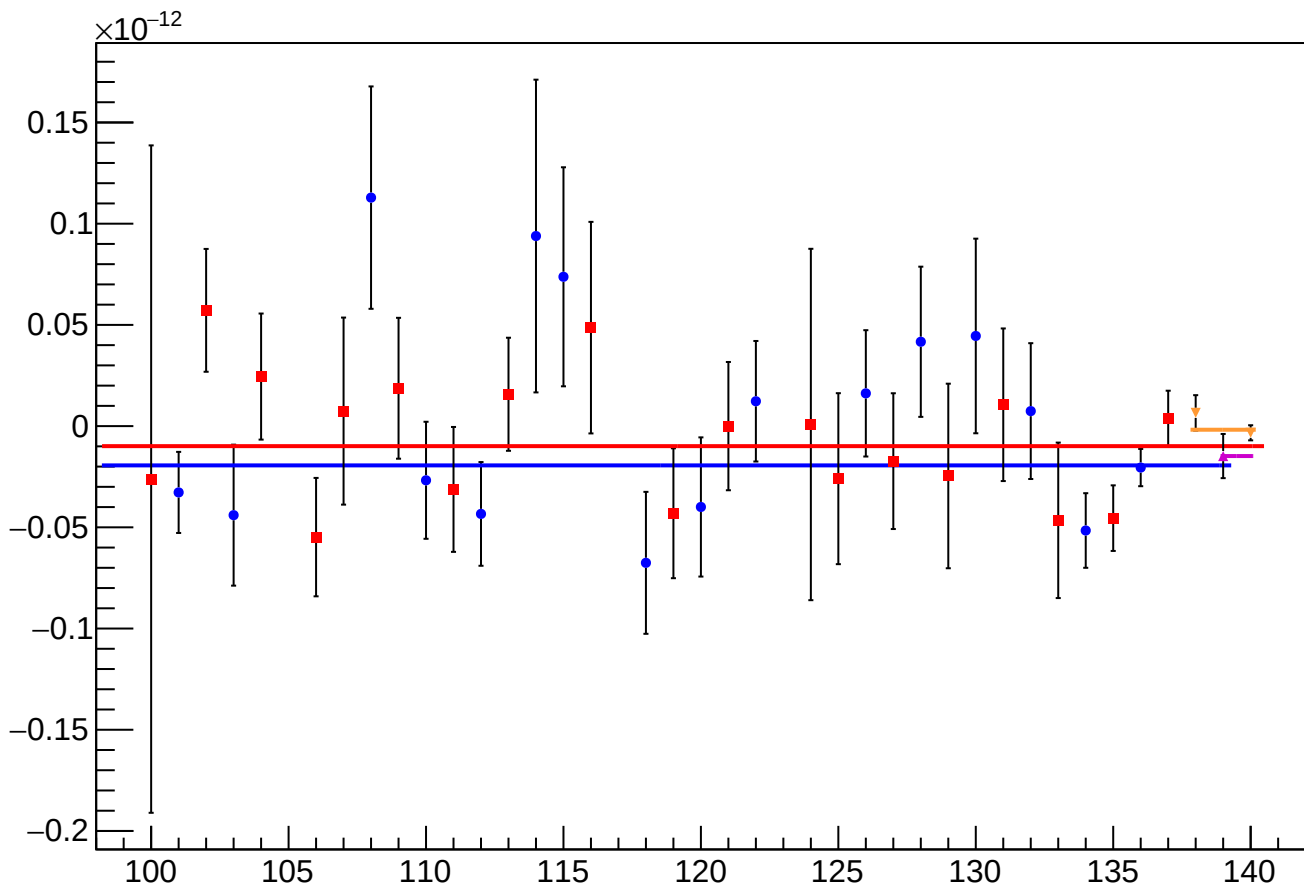
Left In: 20.055 $\pm$ 0.016 χ^2/NDF :0.0/0

+ sign 21.946 $\pm$ 0.006 χ^2/NDF : 2204168.0/17

All: 22.221 $\pm$ 0.005 χ^2/NDF : 5597483.6/37

- sign 22.546 $\pm$ 0.007 χ^2/NDF : 3389039.1/19

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.7/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.1/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.3/18

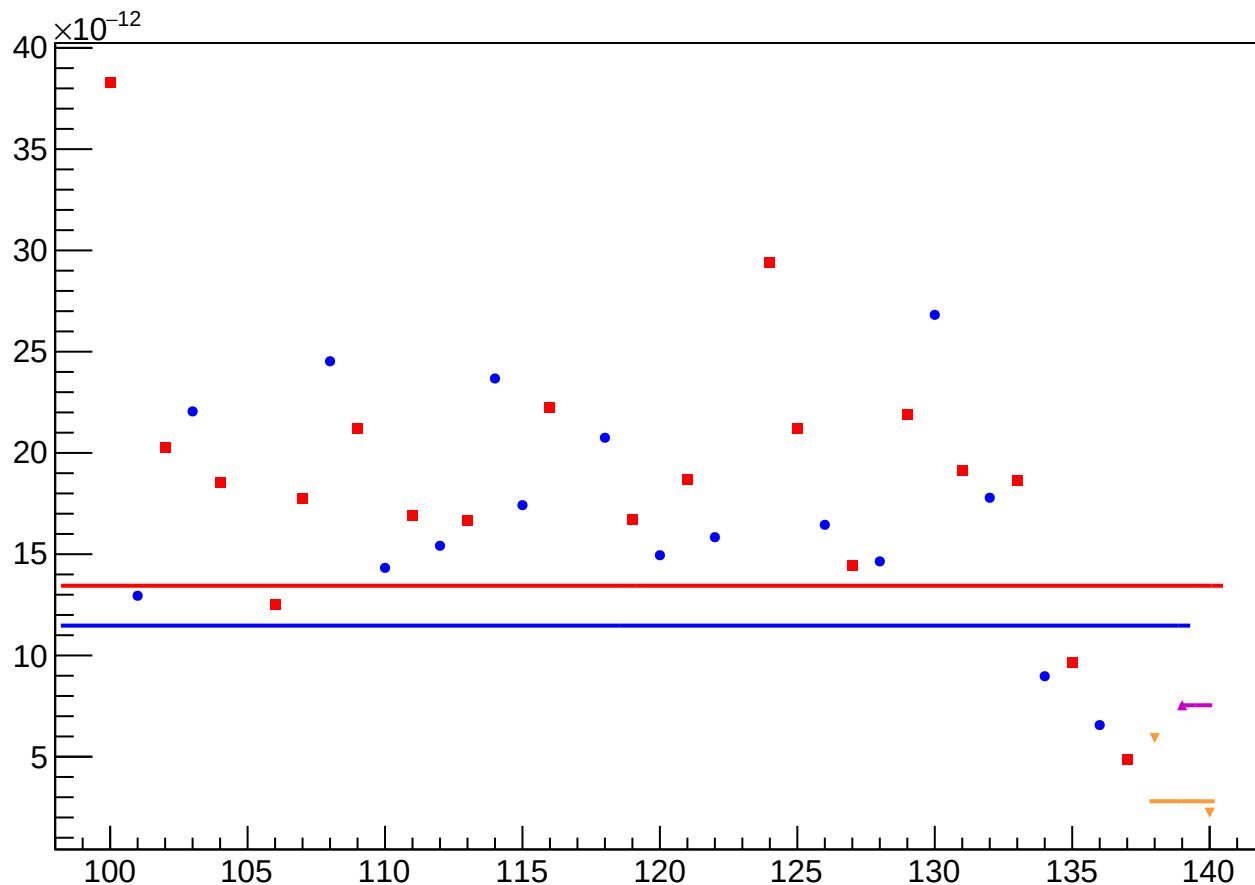
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 33.2/17

All: -0.000 ± 0.000 χ^2/NDF : 54.3/37

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

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1598593.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 300322.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1672848.8/18

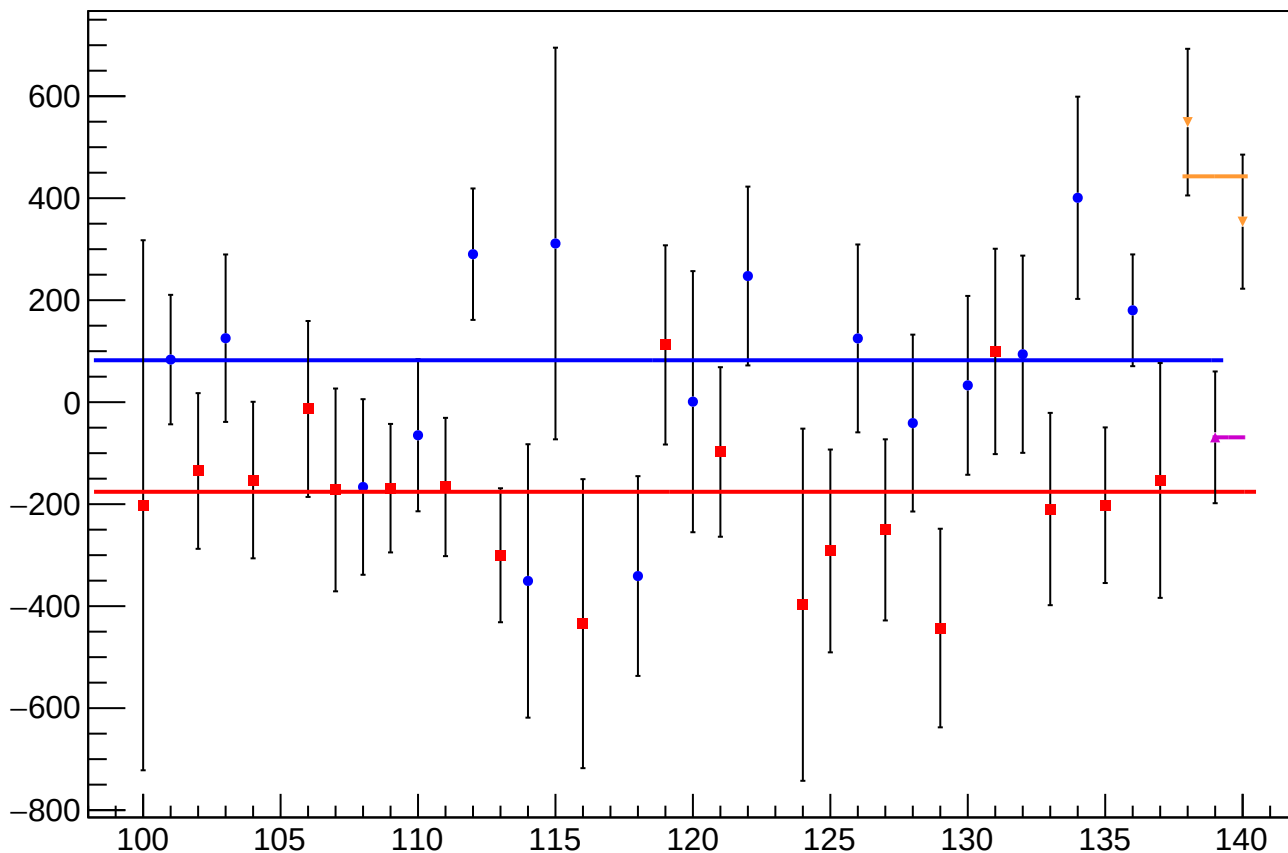
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5022045.2/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9366951.2/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2095061.3/19

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 442.862 ± 97.036 $\chi^2/\text{NDF}: 1.0/1$

Right Out: -175.732 ± 40.673 $\chi^2/\text{NDF}: 9.9/18$

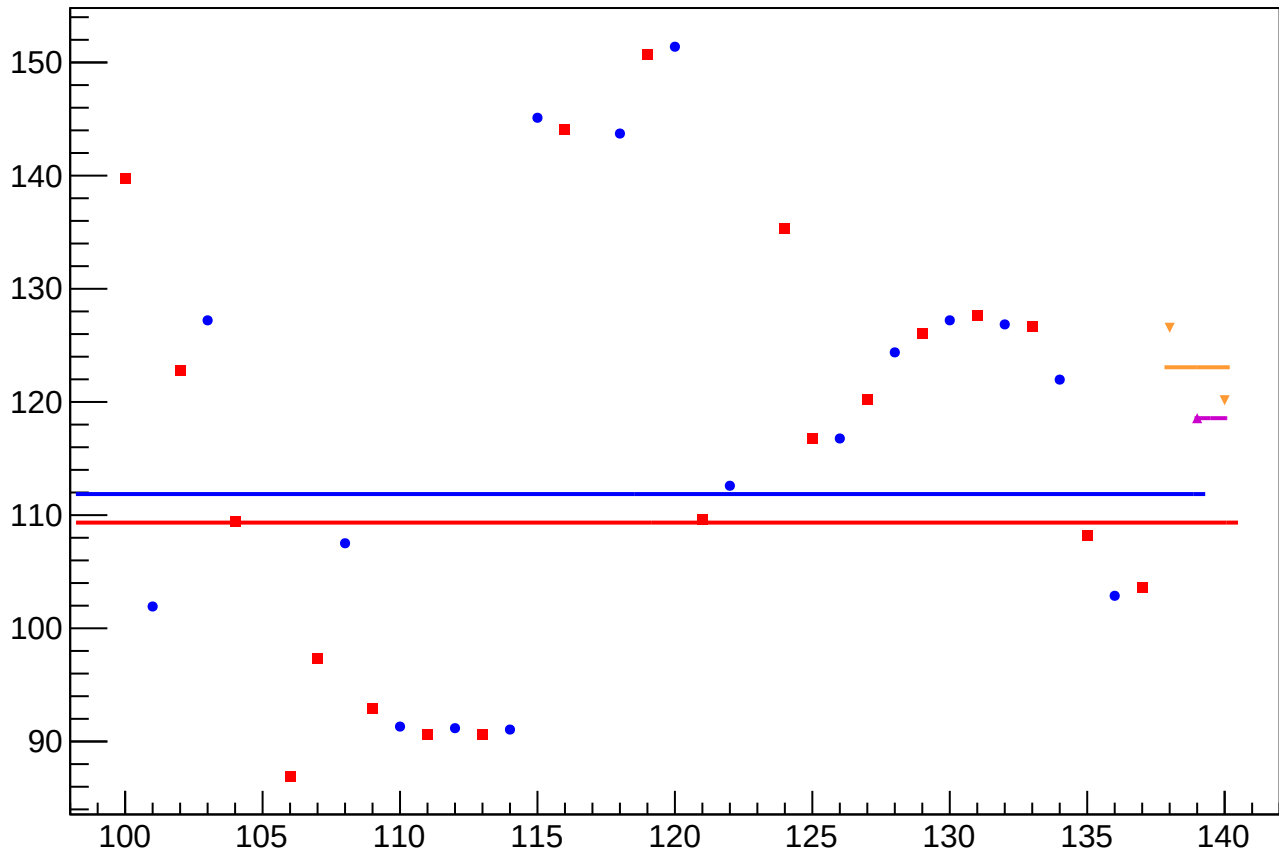
Left In: -68.940 ± 129.175 $\chi^2/\text{NDF}: 0.0/0$

+ sign 139.406 ± 38.647 $\chi^2/\text{NDF}: 31.0/17$

All: -12.763 ± 27.380 $\chi^2/\text{NDF}: 72.6/37$

- sign -166.100 ± 38.795 $\chi^2/\text{NDF}: 10.5/19$

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306023.8/15

Left Out: 123.067 $\pm$ 0.069 χ^2 /NDF:2159.5/1

Right Out: 109.340 $\pm$ 0.029 χ^2 /NDF: 367219.9/18

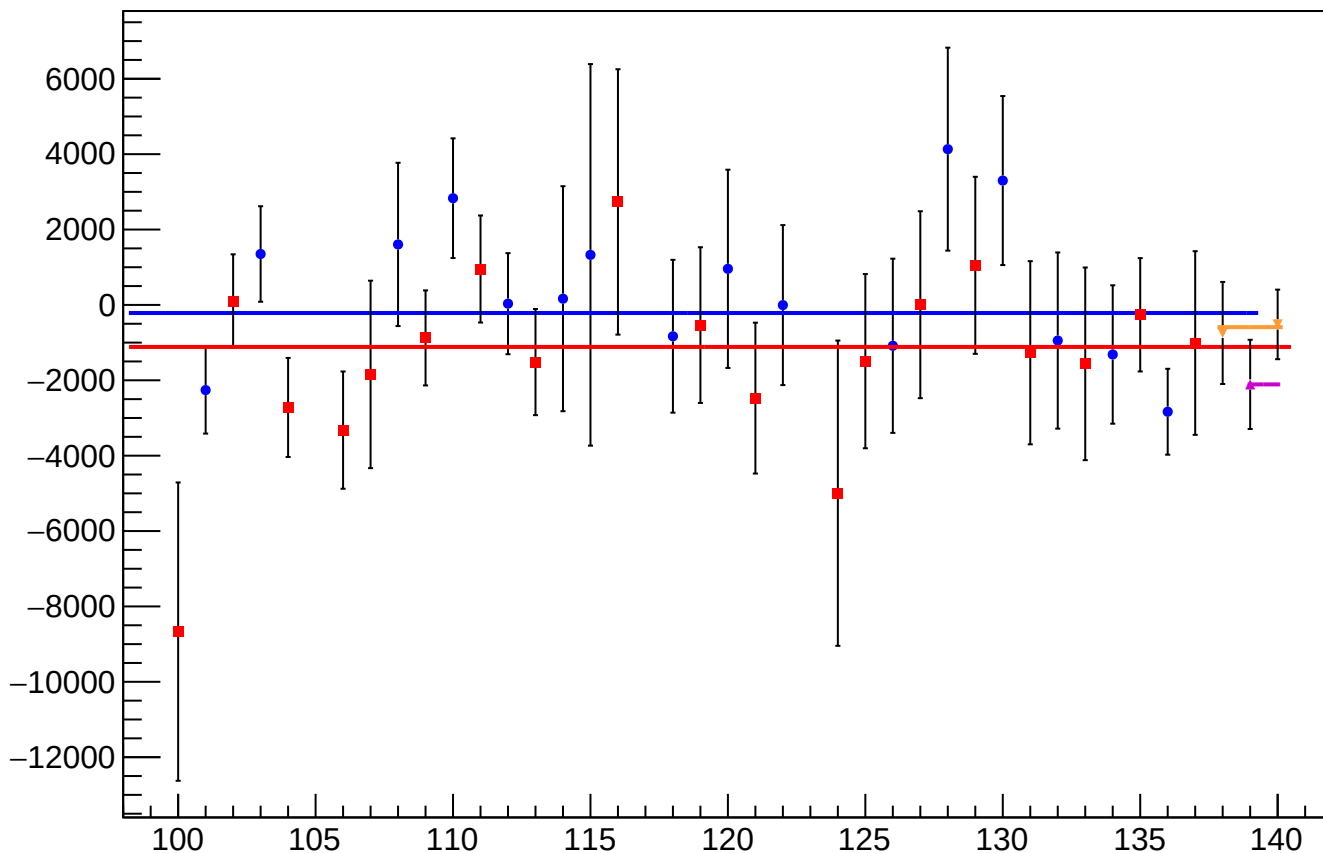
Left In: 118.568 $\pm$ 0.091 χ^2 /NDF:0.0/0

+ sign 113.639 $\pm$ 0.027 χ^2 /NDF: 330621.1/17

All: 111.913 $\pm$ 0.019 χ^2 /NDF: 715143.4/37

- sign 110.173 $\pm$ 0.027 χ^2 /NDF: 376506.4/19

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187 ± 443.962 χ^2/NDF : 20.4/15

Left Out: -589.238 ± 762.605 χ^2/NDF : 0.0/1

Right Out: -1114.700 ± 423.039 χ^2/NDF : 14.5/18

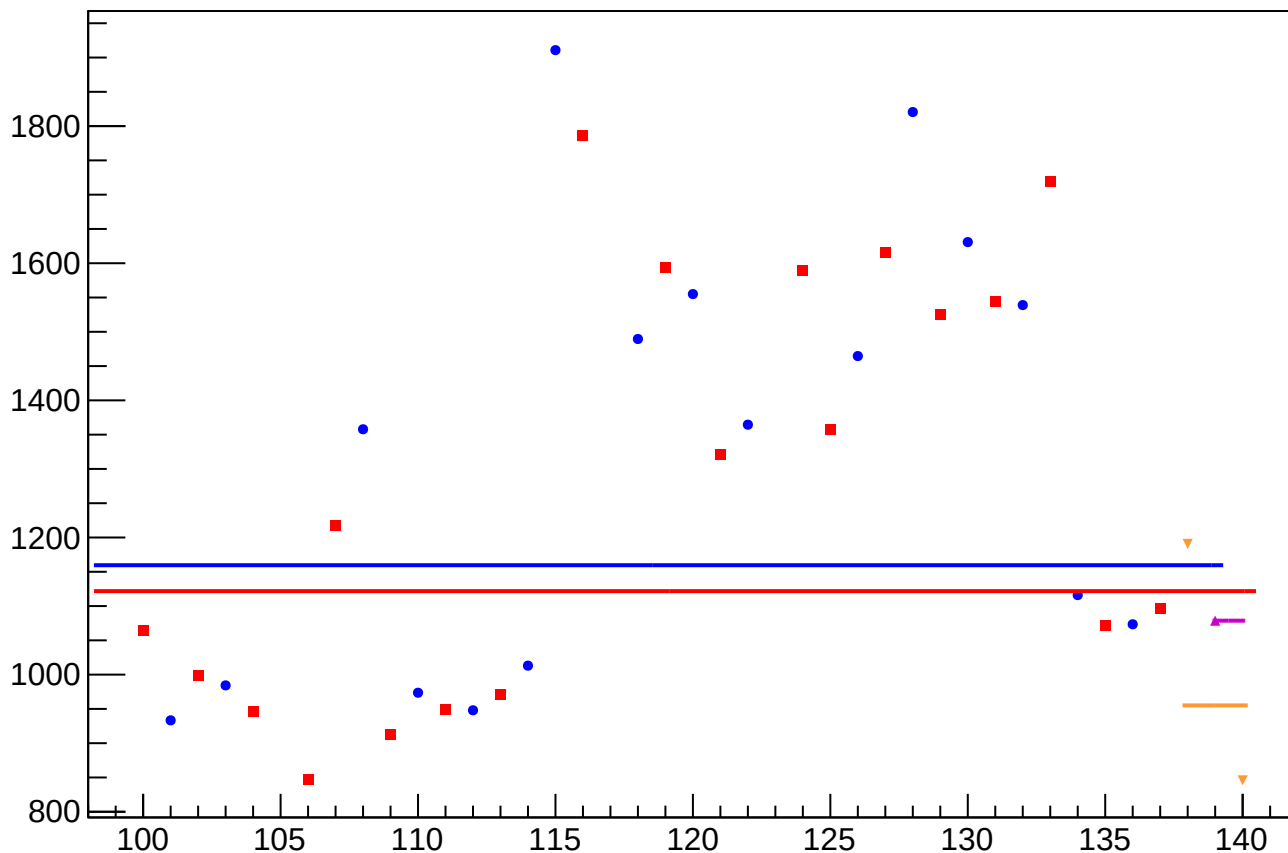
Left In: -2109.083 ± 1183.618 χ^2/NDF : 0.0/0

+ sign -309.123 ± 383.680 χ^2/NDF : 20.6/17

All: -751.000 ± 276.347 χ^2/NDF : 38.6/37

- sign -1227.337 ± 398.360 χ^2/NDF : 15.2/19

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567 $\pm$ 0.314 χ^2 /NDF: 683693.3/15

Left Out: 955.148 $\pm$ 0.539 χ^2 /NDF: 88555.1/1

Right Out: 1121.752 $\pm$ 0.299 χ^2 /NDF: 782273.3/18

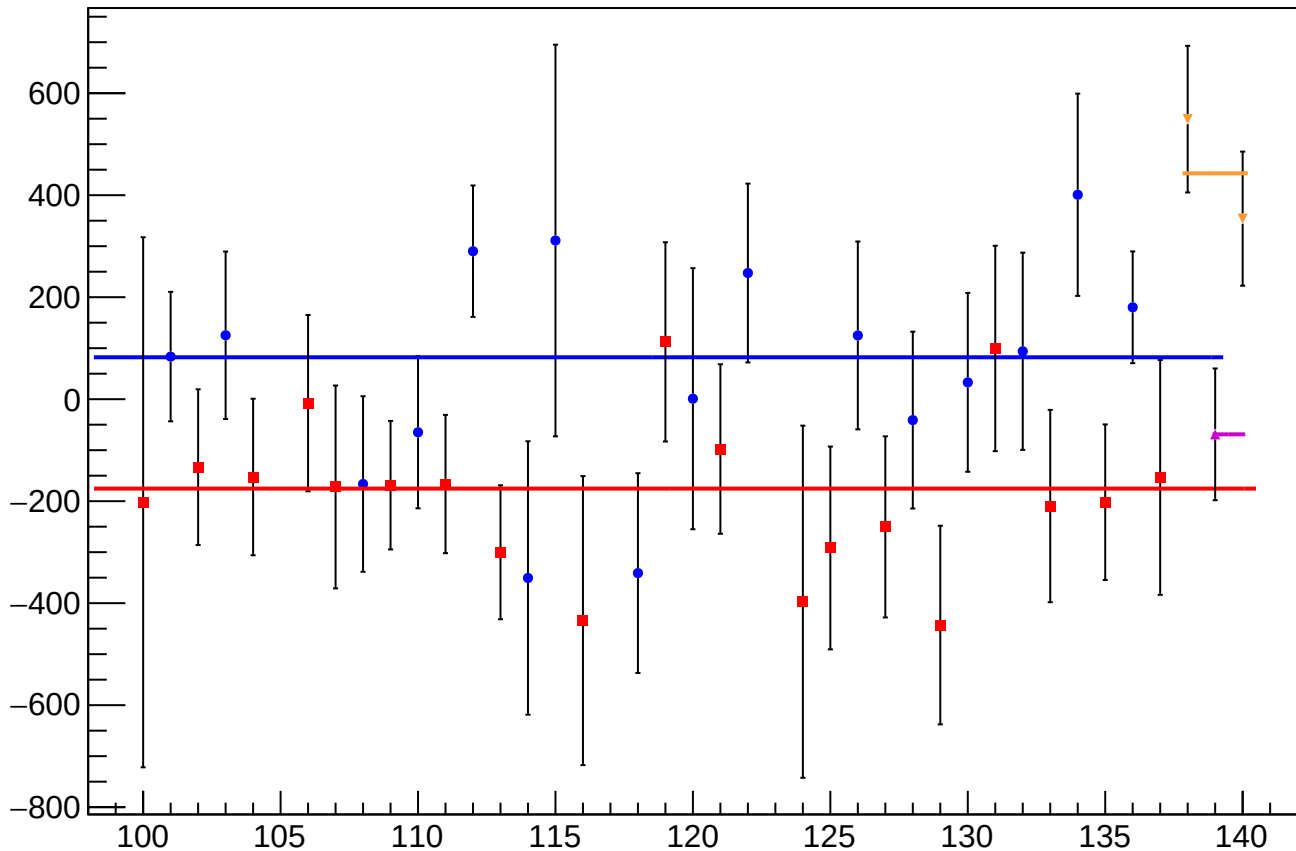
Left In: 1078.690 $\pm$ 0.837 χ^2 /NDF: 0.0/0

+ sign 1107.823 $\pm$ 0.271 χ^2 /NDF: 879577.7/17

All: 1112.179 $\pm$ 0.195 χ^2 /NDF: 1664734.0/37

- sign 1116.874 $\pm$ 0.282 χ^2 /NDF: 784620.6/19

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 442.870 ± 97.036 $\chi^2/\text{NDF}: 1.0/1$

Right Out: -175.338 ± 40.678 $\chi^2/\text{NDF}: 9.9/18$

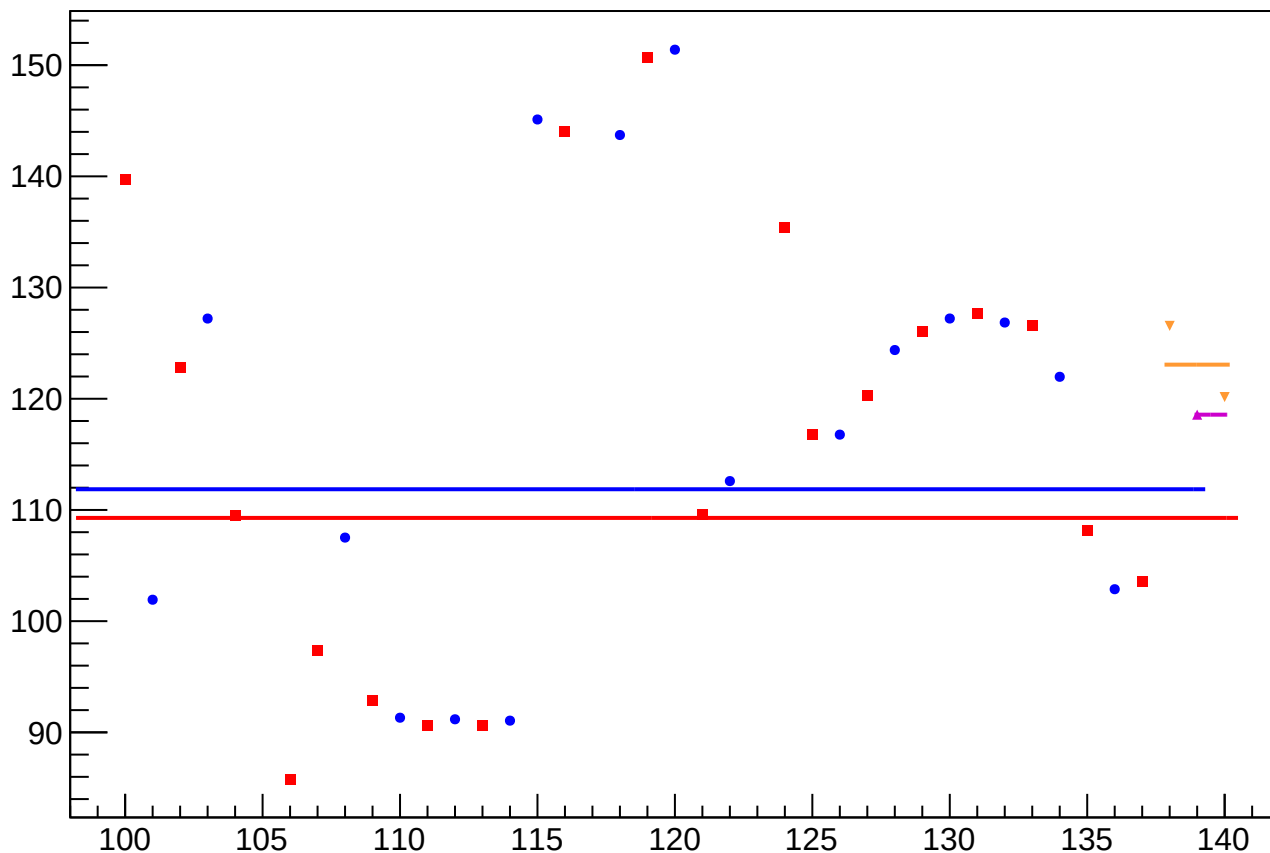
Left In: -68.943 ± 129.175 $\chi^2/\text{NDF}: 0.0/0$

+ sign 139.398 ± 38.647 $\chi^2/\text{NDF}: 31.0/17$

All: -12.570 ± 27.381 $\chi^2/\text{NDF}: 72.6/37$

- sign -165.739 ± 38.800 $\chi^2/\text{NDF}: 10.5/19$

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306025.0/15

Left Out: 123.067 $\pm$ 0.069 χ^2 /NDF: 2159.5/1

Right Out: 109.284 $\pm$ 0.029 χ^2 /NDF: 370711.7/18

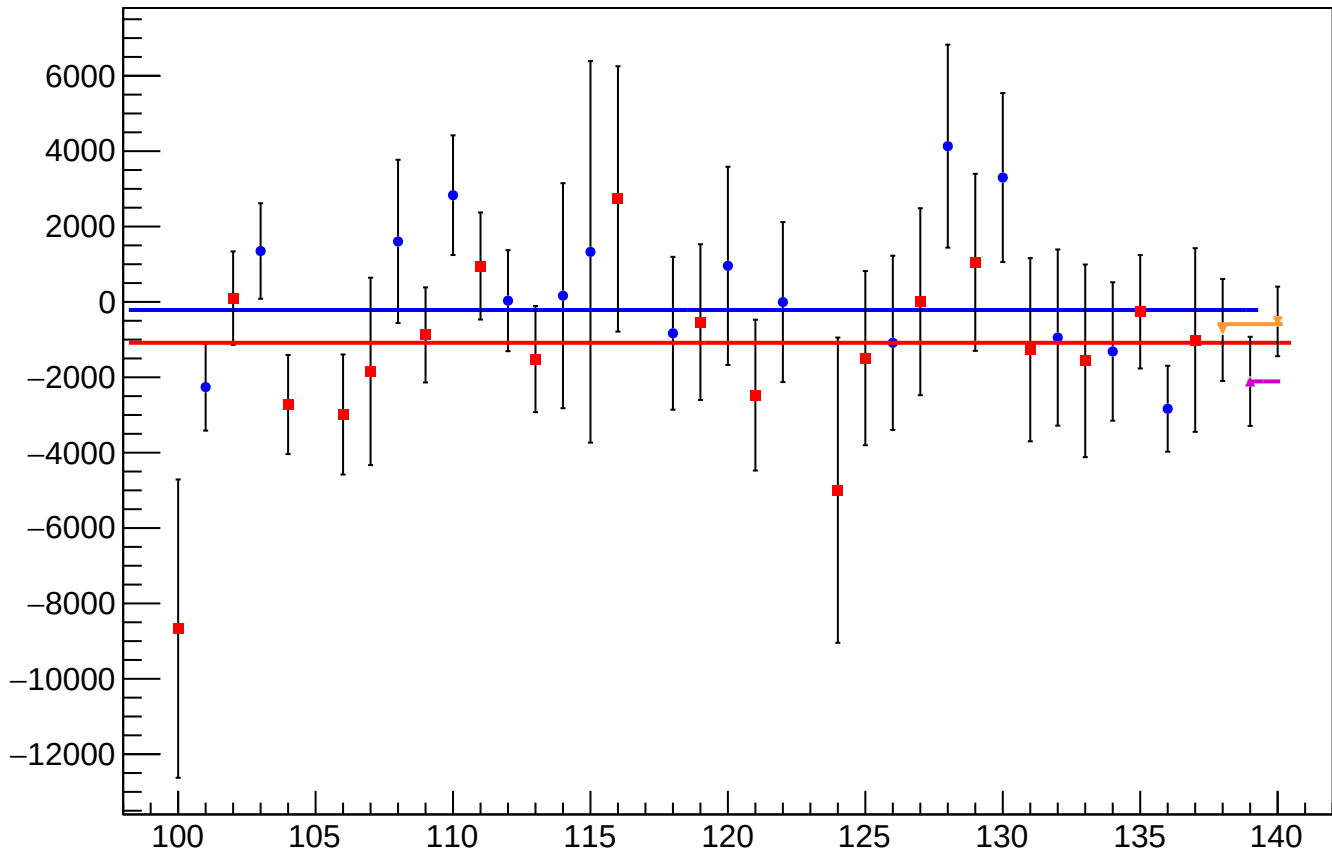
Left In: 118.568 $\pm$ 0.091 χ^2 /NDF: 0.0/0

+ sign 113.639 $\pm$ 0.027 χ^2 /NDF: 330622.1/17

All: 111.888 $\pm$ 0.019 χ^2 /NDF: 718985.2/37

- sign 110.122 $\pm$ 0.027 χ^2 /NDF: 380111.2/19

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF : 20.4/15

Left Out: -589.228+/-762.605 χ^2/NDF : 0.0/1

Right Out: -1083.943+/-423.774 χ^2/NDF : 13.9/18

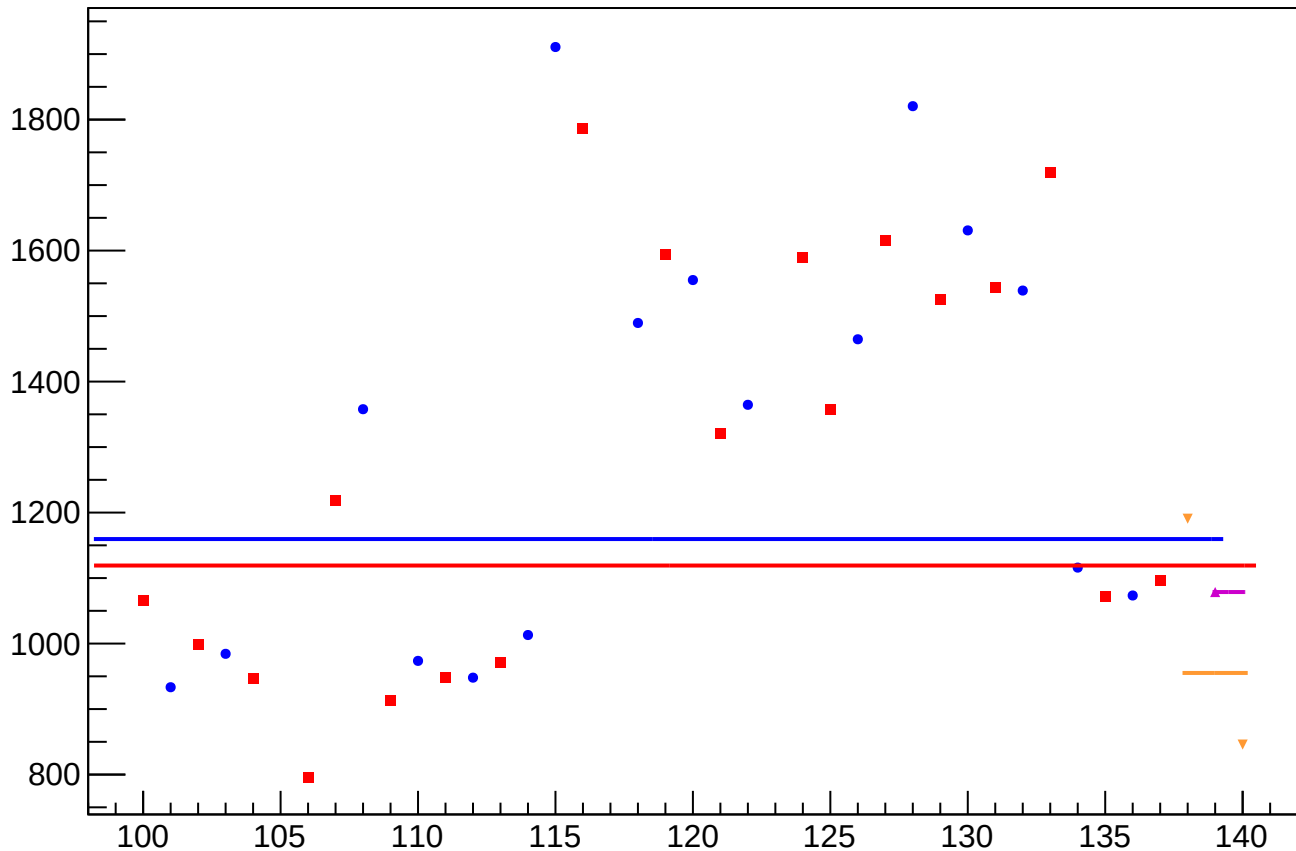
Left In: -2109.092+/-1183.617 χ^2/NDF : 0.0/0

+ sign -309.189+/-383.682 χ^2/NDF : 20.6/17

All: -737.400+/-276.552 χ^2/NDF : 37.8/37

- sign -1200.423+/-398.973 χ^2/NDF : 14.6/19

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF : 683662.2/15

Left Out: 955.148+/-0.539 χ^2/NDF : 88555.3/1

Right Out: 1119.156+/-0.300 χ^2/NDF : 803154.6/18

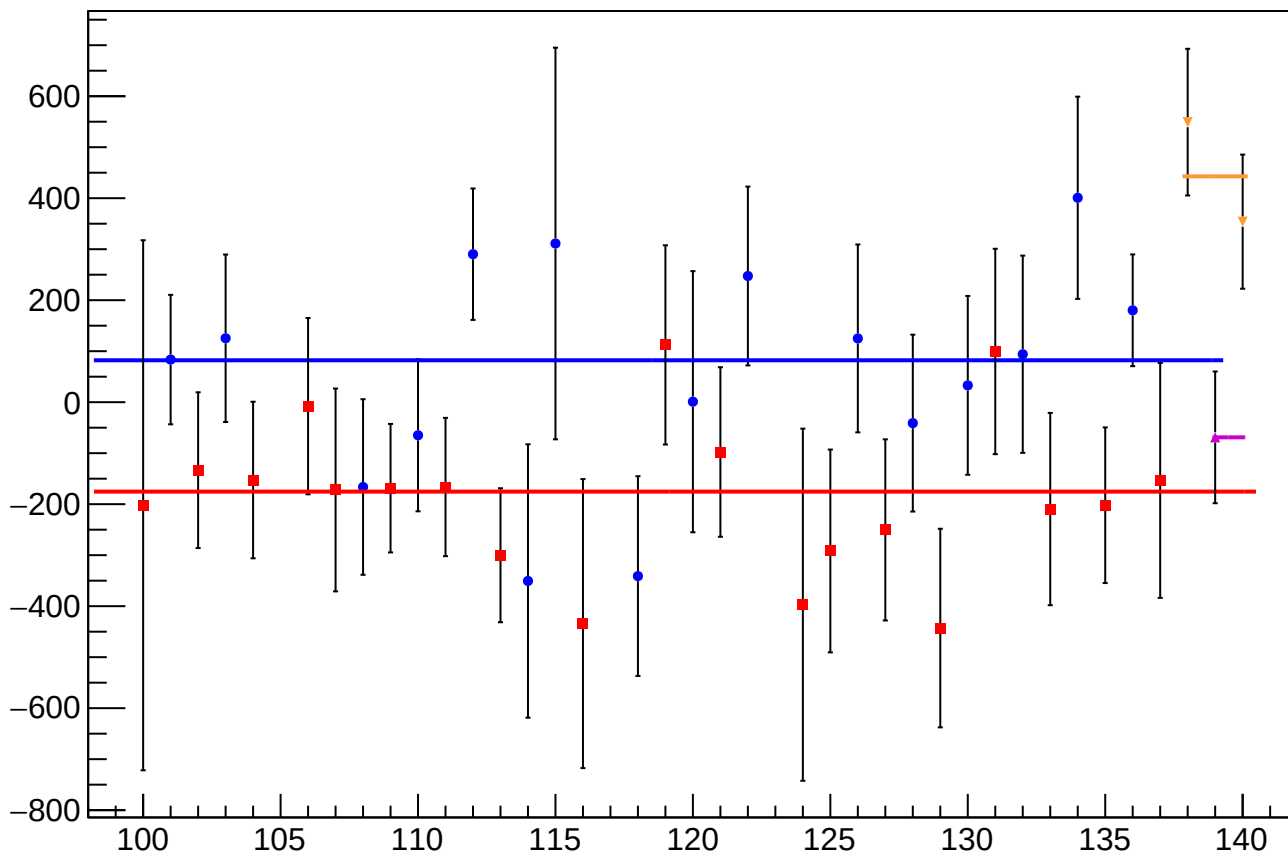
Left In: 1078.689+/-0.837 χ^2/NDF : 0.0/0

+ sign 1107.829+/-0.271 χ^2/NDF : 879557.1/17

All: 1111.062+/-0.196 χ^2/NDF : 1685079.4/37

- sign 1114.558+/-0.282 χ^2/NDF : 805226.8/19

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 442.870 ± 97.036 $\chi^2/\text{NDF}: 1.0/1$

Right Out: -175.338 ± 40.678 $\chi^2/\text{NDF}: 9.9/18$

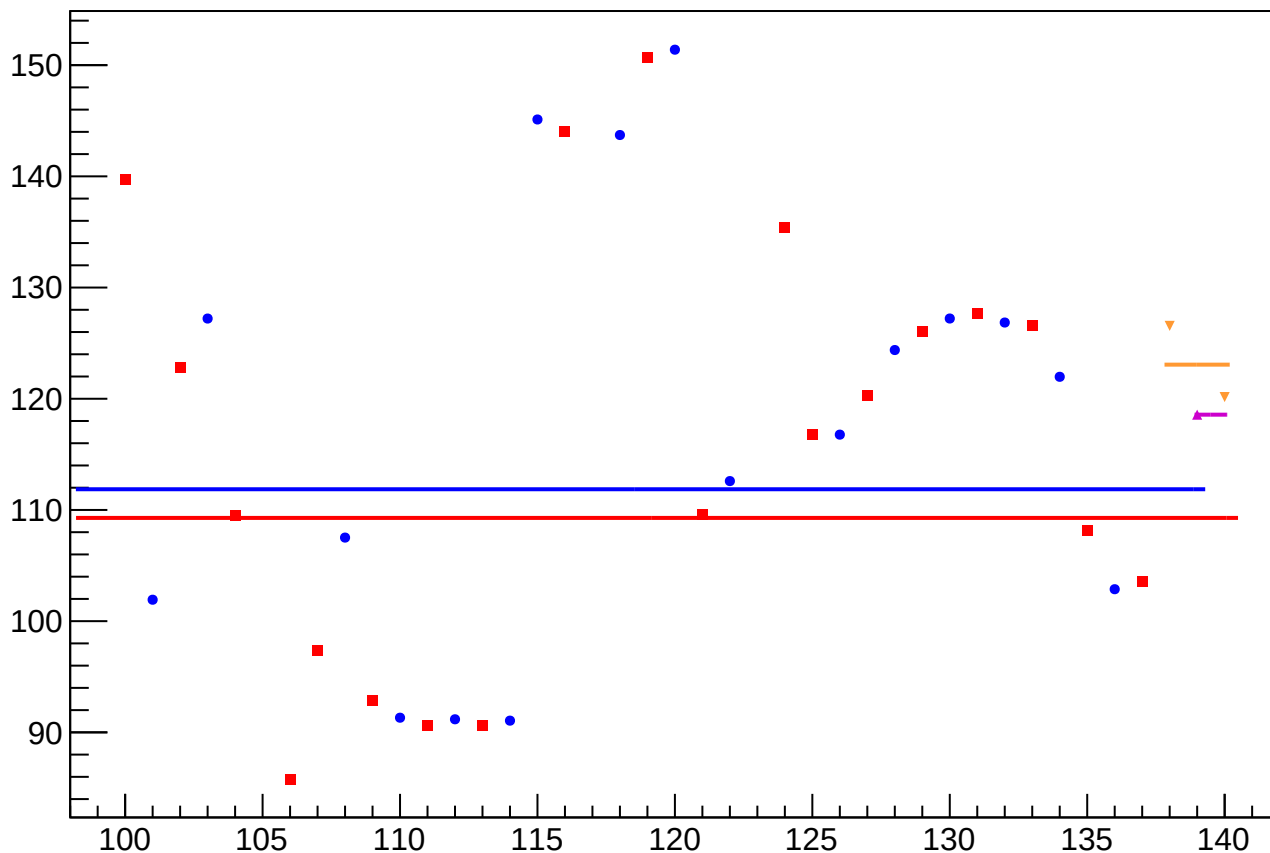
Left In: -68.943 ± 129.175 $\chi^2/\text{NDF}: 0.0/0$

+ sign 139.398 ± 38.647 $\chi^2/\text{NDF}: 31.0/17$

All: -12.570 ± 27.381 $\chi^2/\text{NDF}: 72.6/37$

- sign -165.739 ± 38.800 $\chi^2/\text{NDF}: 10.5/19$

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306025.0/15

Left Out: 123.067 $\pm$ 0.069 χ^2 /NDF: 2159.5/1

Right Out: 109.284 $\pm$ 0.029 χ^2 /NDF: 370711.7/18

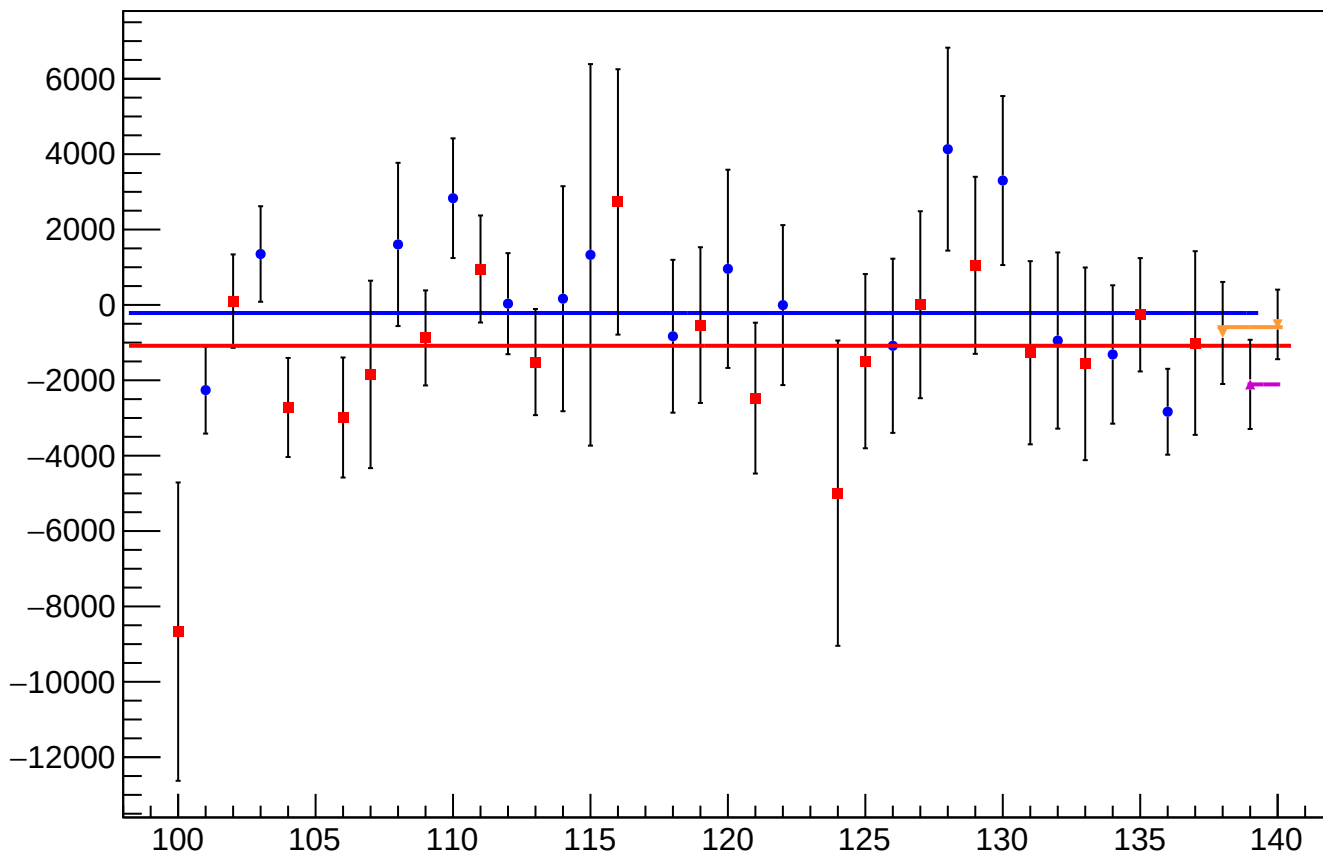
Left In: 118.568 $\pm$ 0.091 χ^2 /NDF: 0.0/0

+ sign 113.639 $\pm$ 0.027 χ^2 /NDF: 330622.1/17

All: 111.888 $\pm$ 0.019 χ^2 /NDF: 718985.2/37

- sign 110.122 $\pm$ 0.027 χ^2 /NDF: 380111.2/19

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -214.278 $\pm$ 443.965 χ^2 /NDF: 20.4/15

Left Out: -589.228 $\pm$ 762.605 χ^2 /NDF: 0.0/1

Right Out: -1083.943 $\pm$ 423.774 χ^2 /NDF: 13.9/18

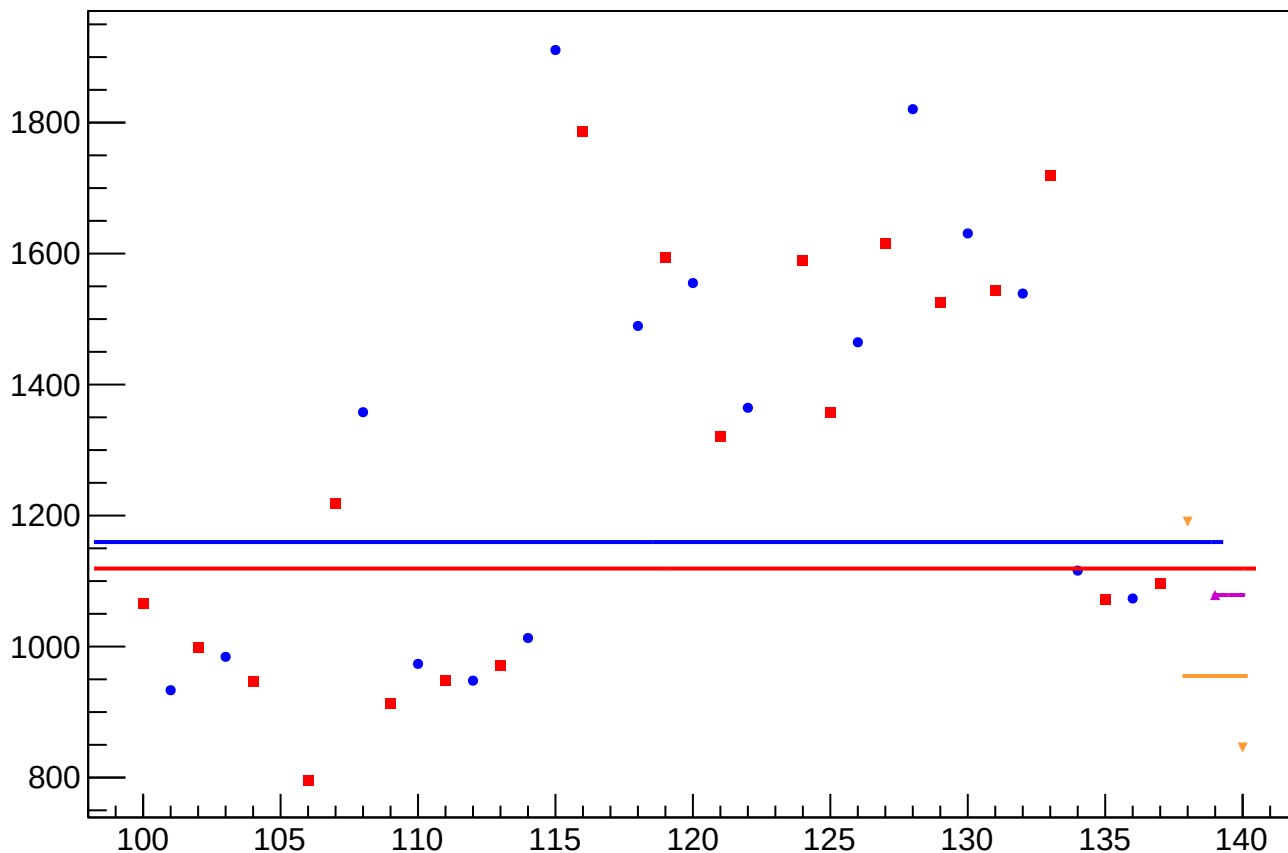
Left In: -2109.092 $\pm$ 1183.617 χ^2 /NDF: 0.0/0

+ sign -309.189 $\pm$ 383.682 χ^2 /NDF: 20.6/17

All: -737.400 $\pm$ 276.552 χ^2 /NDF: 37.8/37

- sign -1200.423 $\pm$ 398.973 χ^2 /NDF: 14.6/19

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF : 683662.2/15

Left Out: 955.148+/-0.539 χ^2/NDF : 88555.3/1

Right Out: 1119.156+/-0.300 χ^2/NDF : 803154.6/18

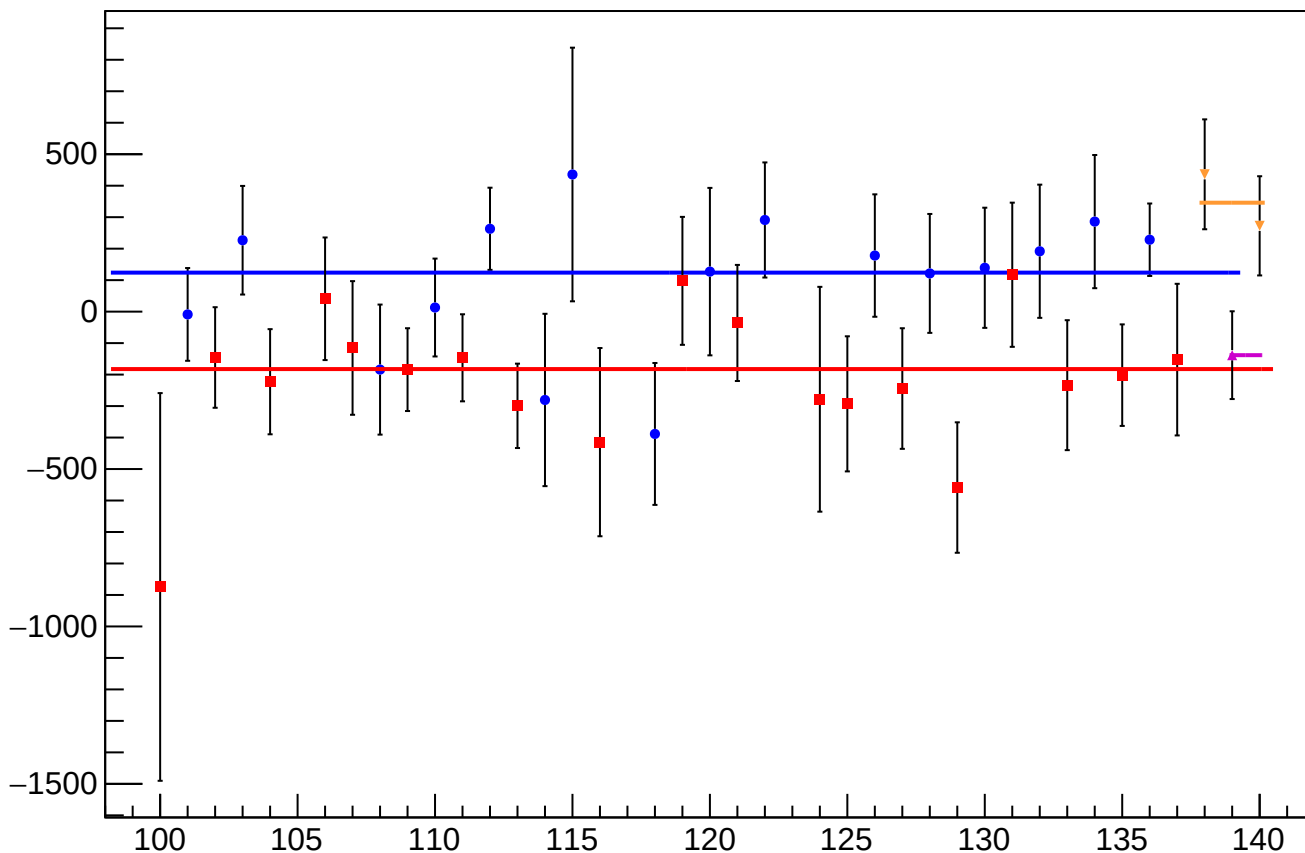
Left In: 1078.689+/-0.837 χ^2/NDF : 0.0/0

+ sign 1107.829+/-0.271 χ^2/NDF : 879557.1/17

All: 1111.062+/-0.196 χ^2/NDF : 1685079.4/37

- sign 1114.558+/-0.282 χ^2/NDF : 805226.8/19

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892 $\pm$ 45.238 χ^2 /NDF: 15.4/15

Left Out: 345.986 $\pm$ 116.950 χ^2 /NDF: 0.5/1

Right Out: -182.467 $\pm$ 43.224 χ^2 /NDF: 12.3/18

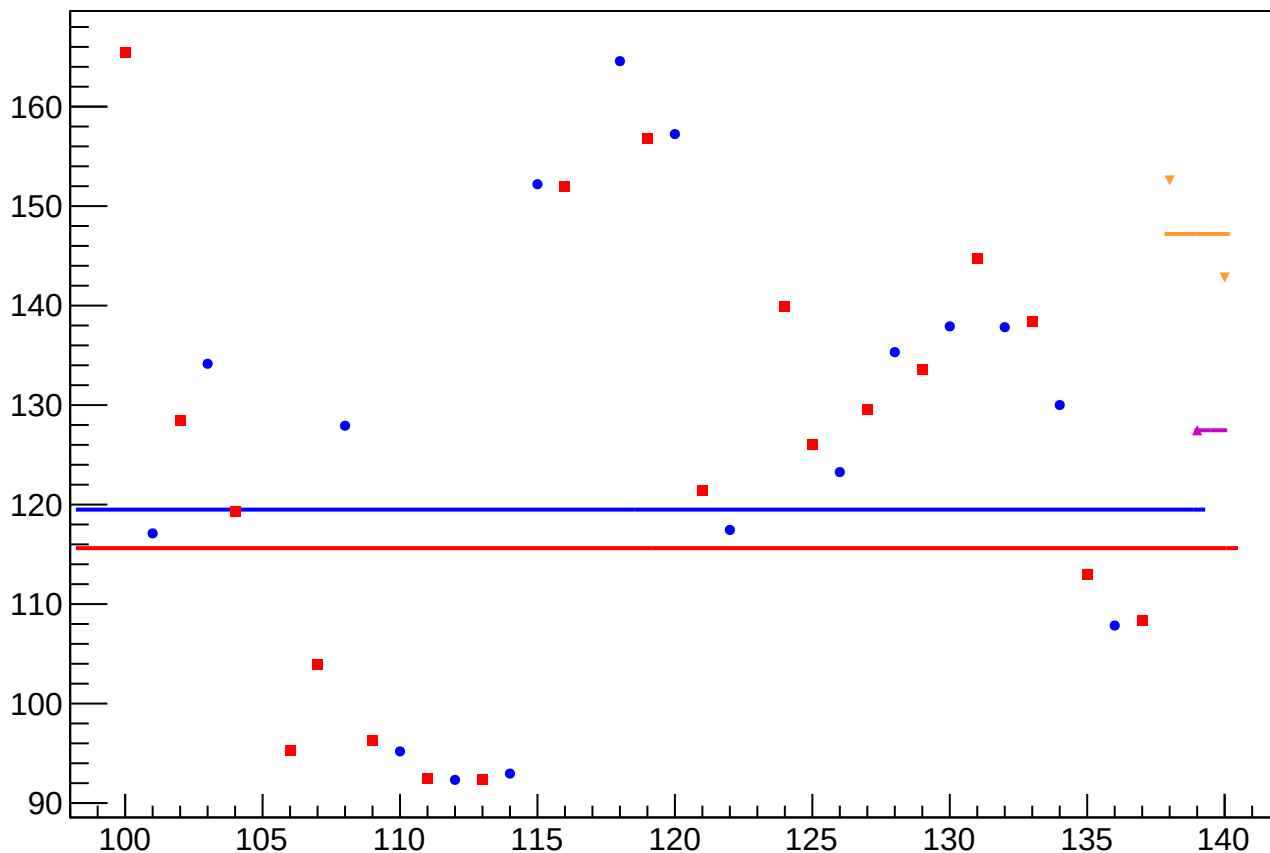
Left In: -138.305 $\pm$ 139.391 χ^2 /NDF: 0.0/0

+ sign 152.798 $\pm$ 42.192 χ^2 /NDF: 19.0/17

All: -16.497 $\pm$ 29.508 χ^2 /NDF: 62.9/37

- sign -178.593 $\pm$ 41.285 χ^2 /NDF: 12.4/19

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380250.8/15

Left Out: 147.201 $\pm$ 0.083 χ^2 /NDF: 3443.0/1

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426961.7/18

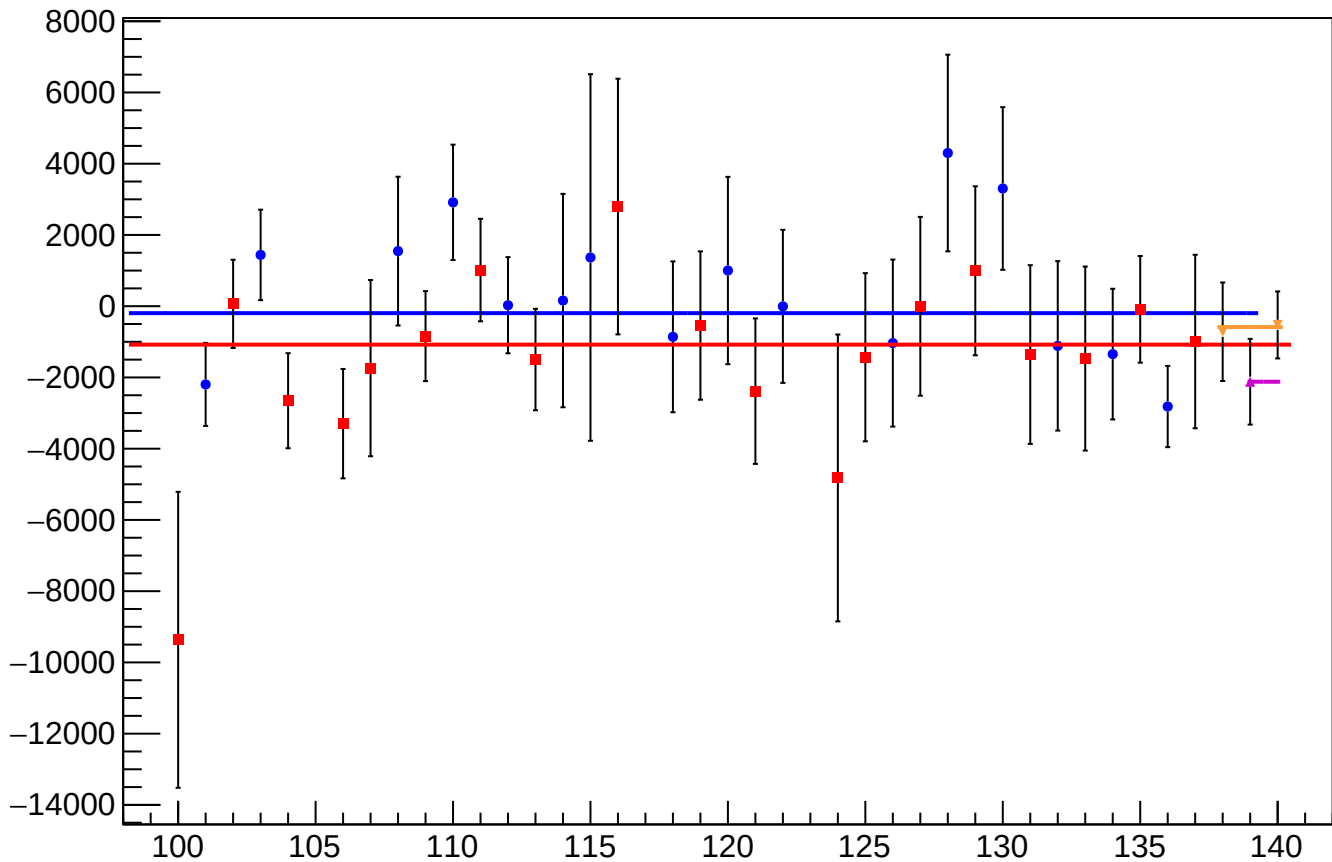
Left In: 127.469 $\pm$ 0.099 χ^2 /NDF: 0.0/0

+ sign 123.101 $\pm$ 0.030 χ^2 /NDF: 481333.8/17

All: 119.811 $\pm$ 0.021 χ^2 /NDF: 945276.5/37

- sign 116.661 $\pm$ 0.029 χ^2 /NDF: 440141.6/19

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF : 20.4/15

Left Out: -586.453+/-777.613 χ^2/NDF : 0.0/1

Right Out: -1079.393+/-425.950 χ^2/NDF : 14.6/18

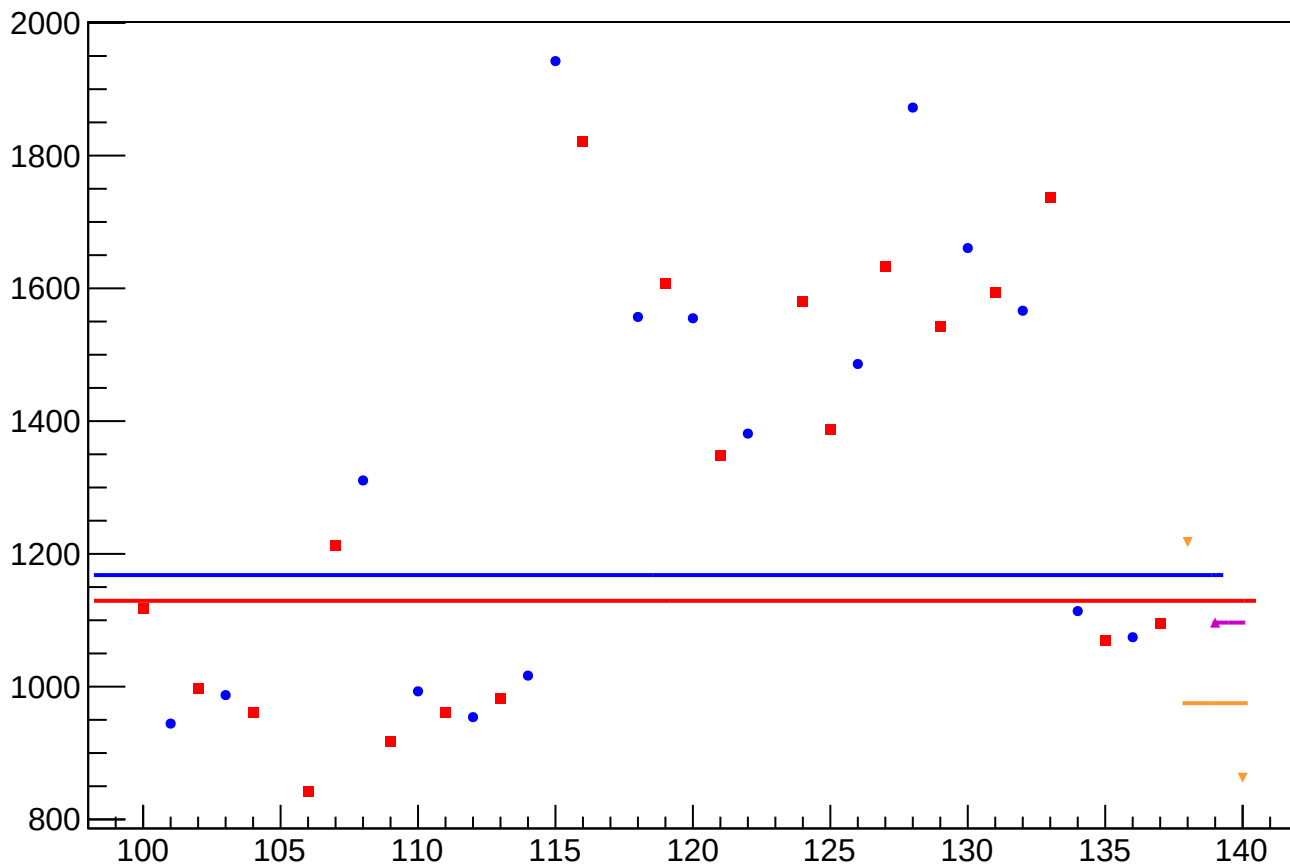
Left In: -2120.438+/-1203.714 χ^2/NDF : 0.0/0

+ sign -292.398+/-387.752 χ^2/NDF : 20.6/17

All: -728.043+/-278.933 χ^2/NDF : 38.5/37

- sign -1195.245+/-401.550 χ^2/NDF : 15.2/19

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF : 709363.8/15

Left Out: 975.084+/-0.550 χ^2/NDF : 90151.2/1

Right Out: 1129.316+/-0.301 χ^2/NDF : 807222.5/18

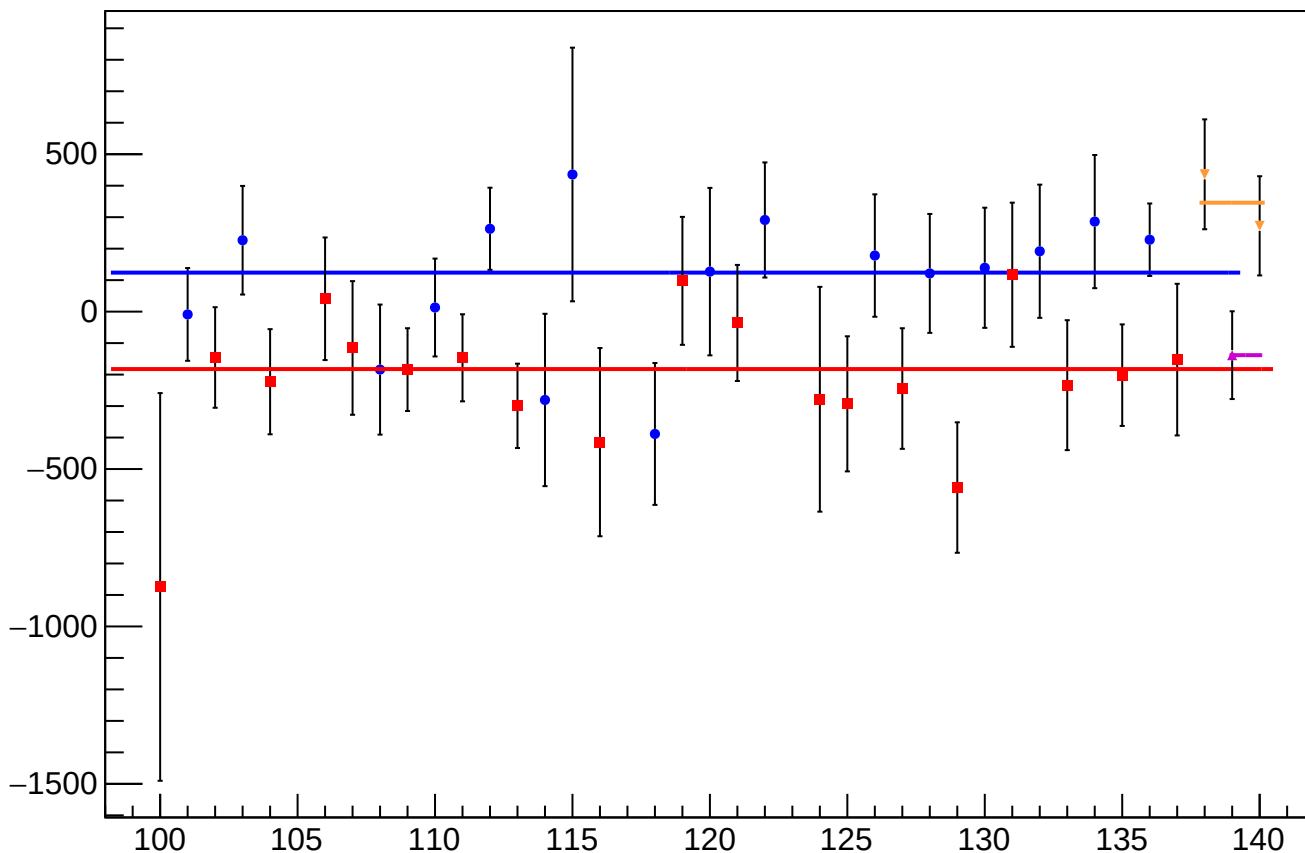
Left In: 1096.492+/-0.851 χ^2/NDF : 0.0/0

+ sign 1120.079+/-0.274 χ^2/NDF : 892063.3/17

All: 1122.774+/-0.197 χ^2/NDF : 1700807.7/37

- sign 1125.664+/-0.284 χ^2/NDF : 808544.3/19

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895 $\pm$ 45.238 χ^2 /NDF: 15.4/15

Left Out: 345.990 $\pm$ 116.950 χ^2 /NDF: 0.5/1

Right Out: -182.468 $\pm$ 43.224 χ^2 /NDF: 12.3/18

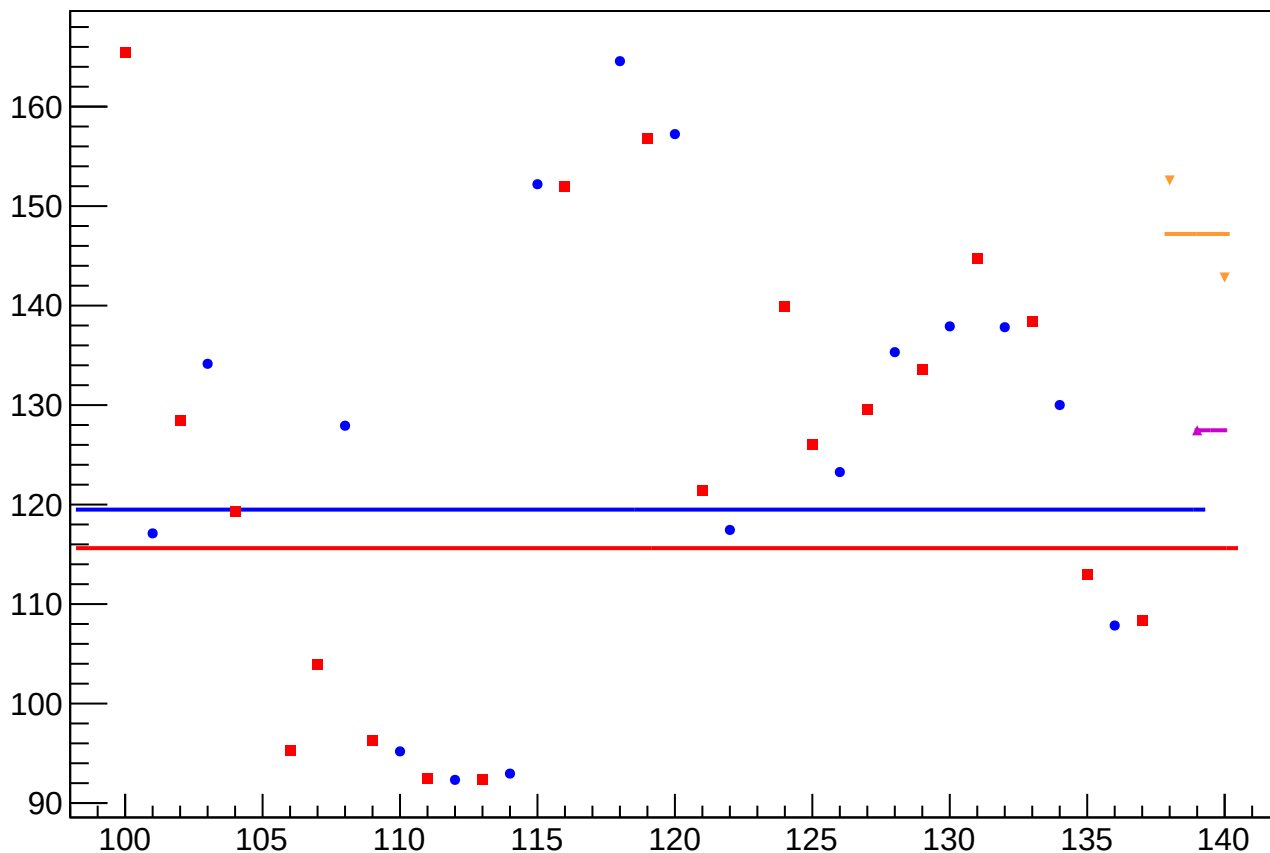
Left In: -138.301 $\pm$ 139.391 χ^2 /NDF: 0.0/0

+ sign 152.801 $\pm$ 42.192 χ^2 /NDF: 19.0/17

All: -16.495 $\pm$ 29.508 χ^2 /NDF: 63.0/37

- sign -178.593 $\pm$ 41.285 χ^2 /NDF: 12.4/19

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380254.2/15

Left Out: 147.201 $\pm$ 0.083 χ^2 /NDF: 3442.6/1

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426966.4/18

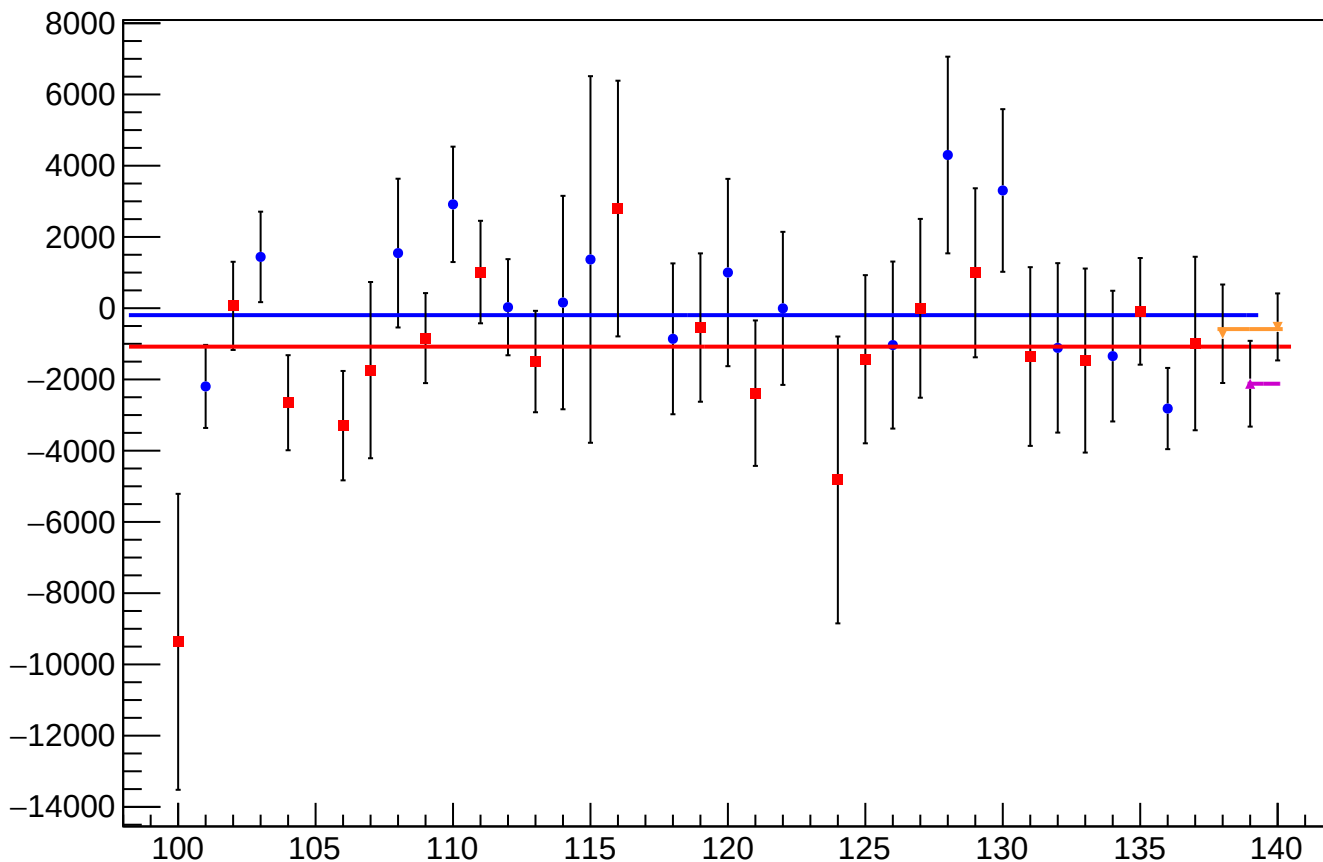
Left In: 127.469 $\pm$ 0.099 χ^2 /NDF: 0.0/0

+ sign 123.101 $\pm$ 0.030 χ^2 /NDF: 481336.5/17

All: 119.811 $\pm$ 0.021 χ^2 /NDF: 945283.9/37

- sign 116.661 $\pm$ 0.029 χ^2 /NDF: 440145.7/19

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -195.085+/-447.334 χ^2/NDF : 20.4/15

Left Out: -586.451+/-777.612 χ^2/NDF : 0.0/1

Right Out: -1079.393+/-425.950 χ^2/NDF : 14.6/18

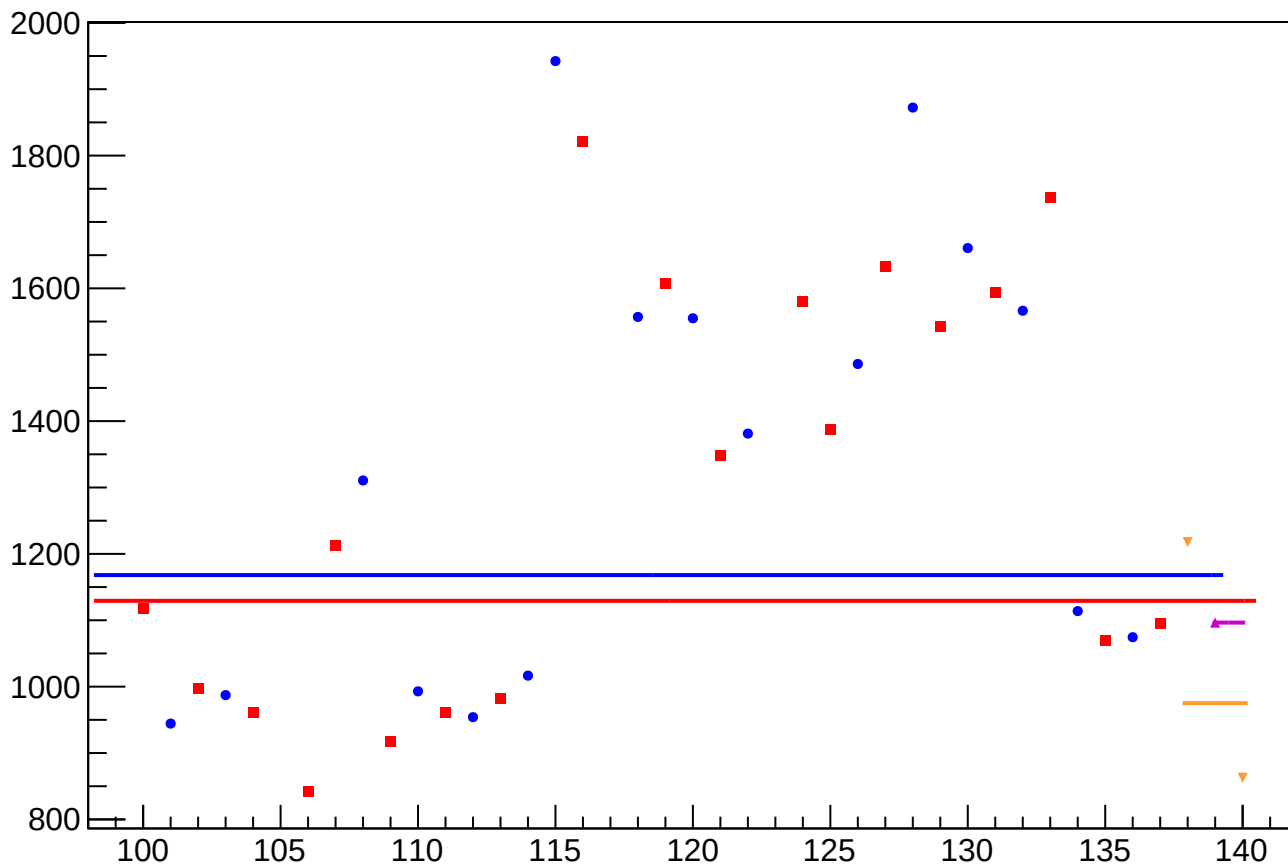
Left In: -2120.441+/-1203.713 χ^2/NDF : 0.0/0

+ sign -292.397+/-387.752 χ^2/NDF : 20.6/17

All: -728.042+/-278.932 χ^2/NDF : 38.5/37

- sign -1195.245+/-401.550 χ^2/NDF : 15.2/19

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF : 709365.6/15

Left Out: 975.081+/-0.550 χ^2/NDF : 90151.3/1

Right Out: 1129.316+/-0.301 χ^2/NDF : 807224.0/18

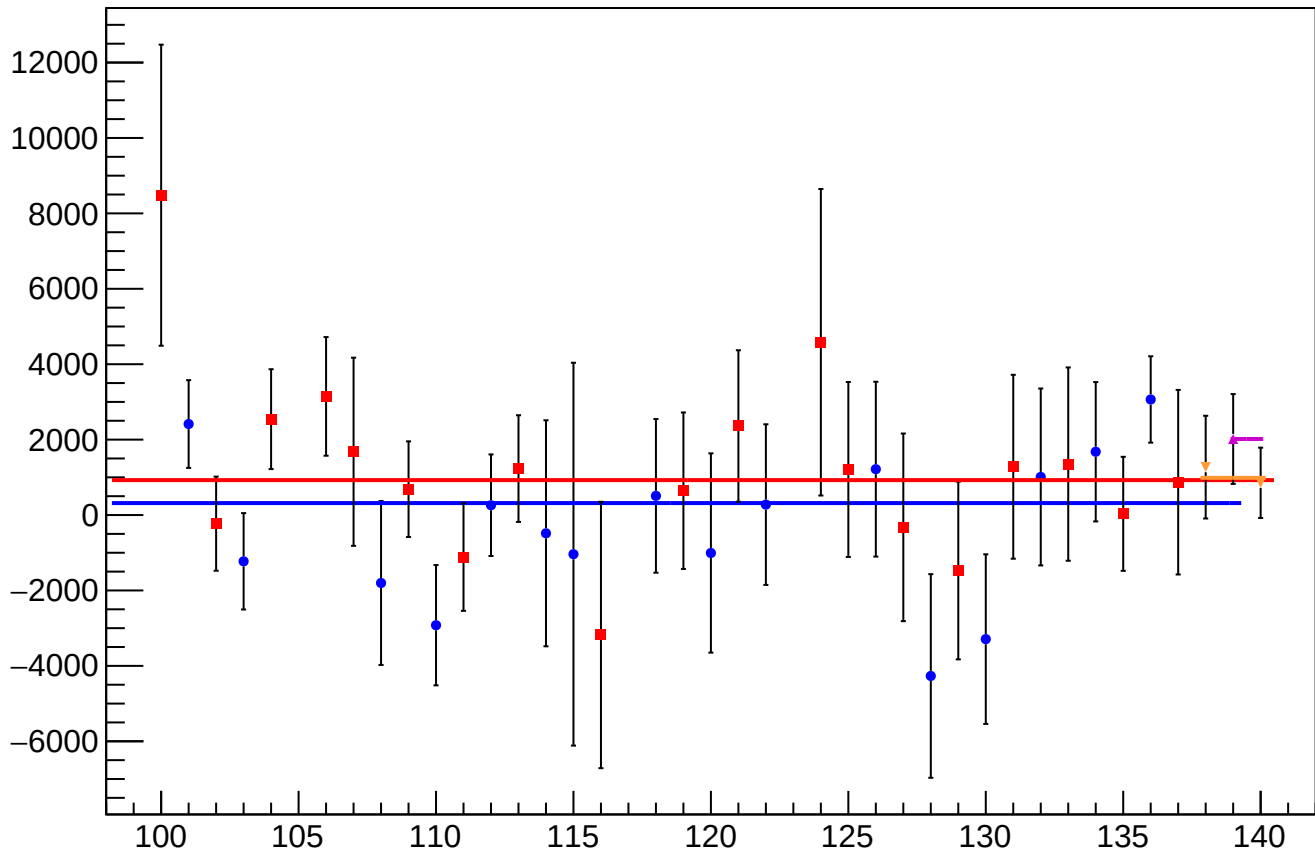
Left In: 1096.492+/-0.851 χ^2/NDF : 0.0/0

+ sign 1120.079+/-0.274 χ^2/NDF : 892067.5/17

All: 1122.773+/-0.197 χ^2/NDF : 1700813.4/37

- sign 1125.663+/-0.284 χ^2/NDF : 808545.7/19

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF : 22.2/15

Left Out: 987.456+/-769.376 χ^2/NDF : 0.1/1

Right Out: 926.036+/-425.405 χ^2/NDF : 14.5/18

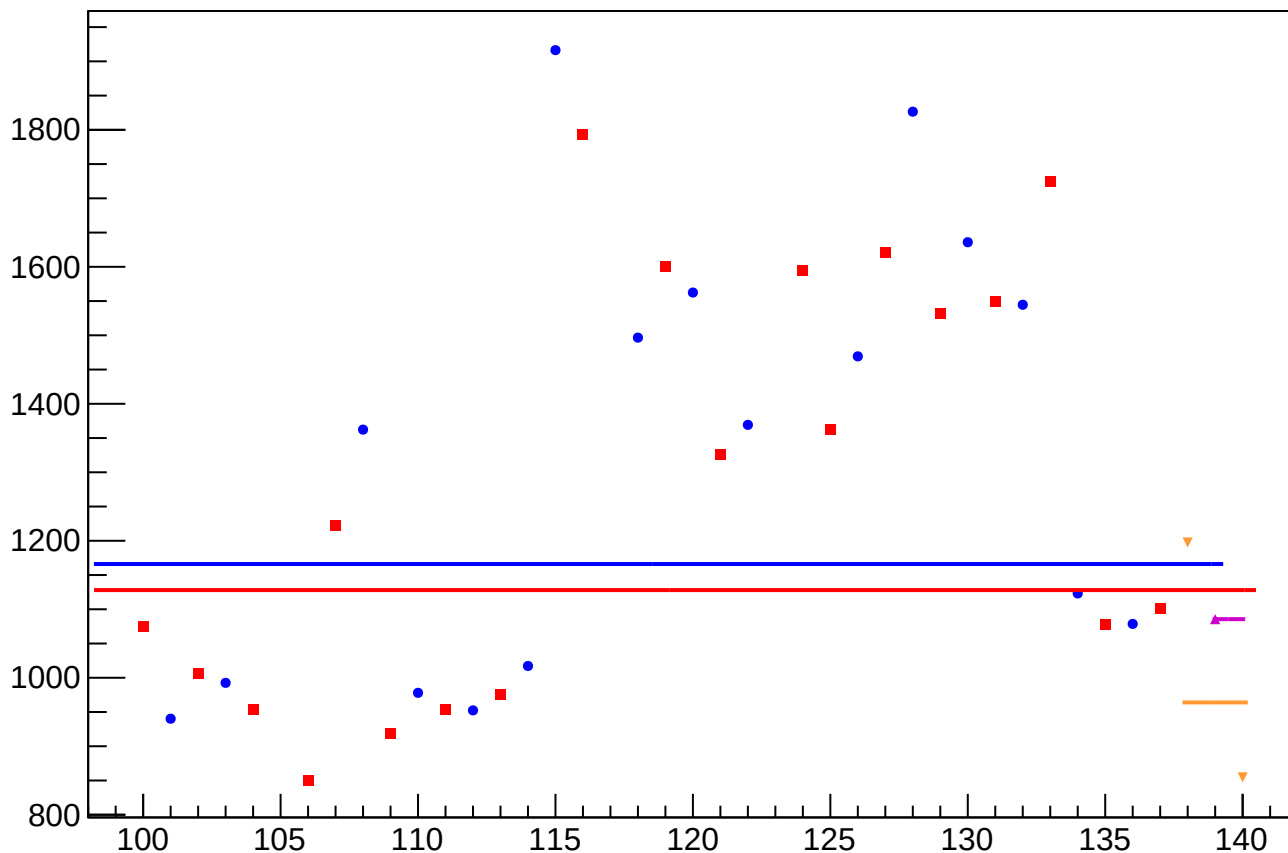
Left In: 2017.047+/-1190.982 χ^2/NDF : 0.0/0

+ sign 486.099+/-386.076 χ^2/NDF : 22.8/17

All: 757.381+/-277.995 χ^2/NDF : 39.1/37

- sign 1049.481+/-400.616 χ^2/NDF : 15.3/19

asym_sam_48_dd_rms vs Slug



Right In: 1166.056 $\pm$ 0.316 χ^2 /NDF: 677063.1/15

Left Out: 963.983 $\pm$ 0.544 χ^2 /NDF:86333.4/1

Right Out: 1128.006 $\pm$ 0.301 χ^2 /NDF: 775766.7/18

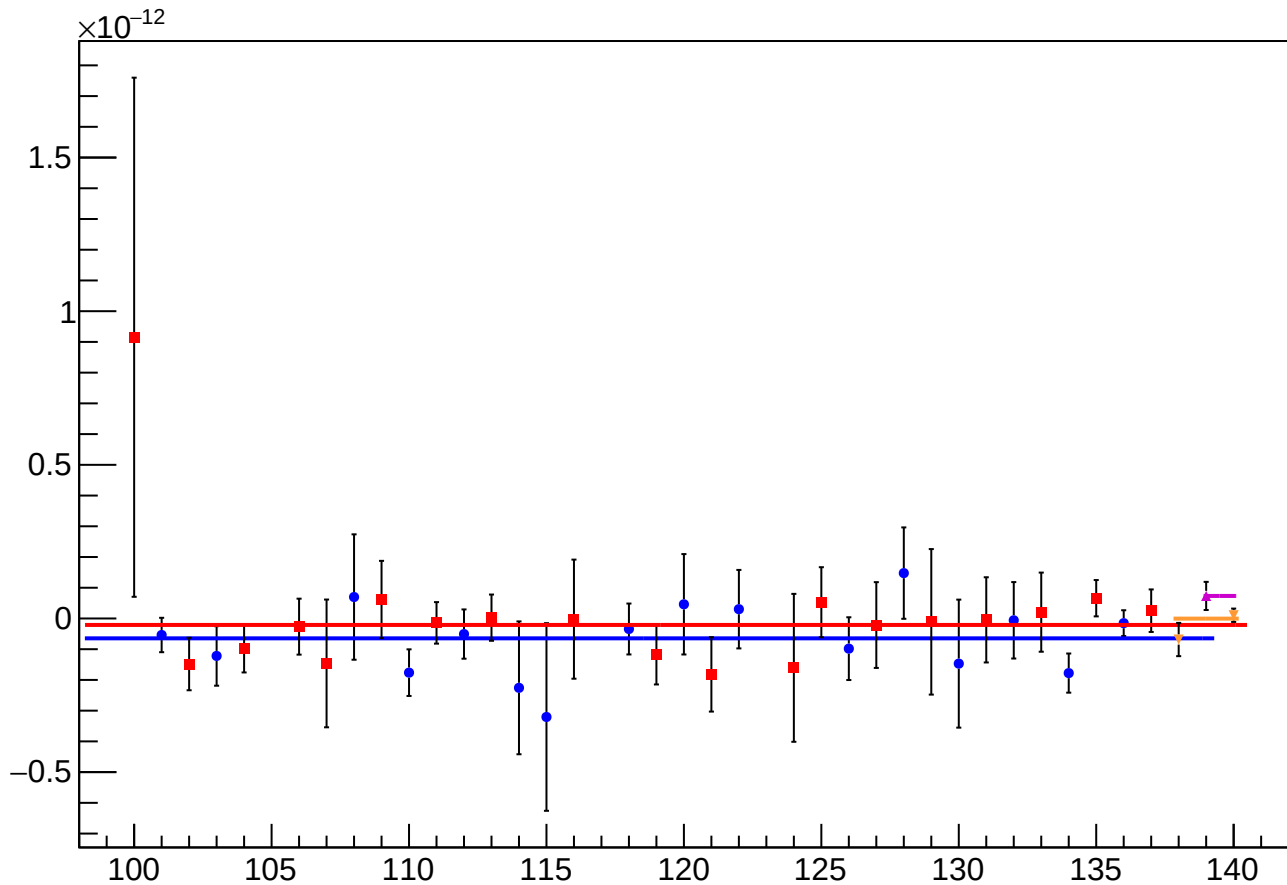
Left In: 1085.578 $\pm$ 0.842 χ^2 /NDF:0.0/0

+ sign 1115.173 $\pm$ 0.273 χ^2 /NDF: 866621.1/17

All: 1119.041 $\pm$ 0.197 χ^2 /NDF: 1645055.8/37

- sign 1123.206 $\pm$ 0.283 χ^2 /NDF: 778017.8/19

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 : 1.8/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.5/18

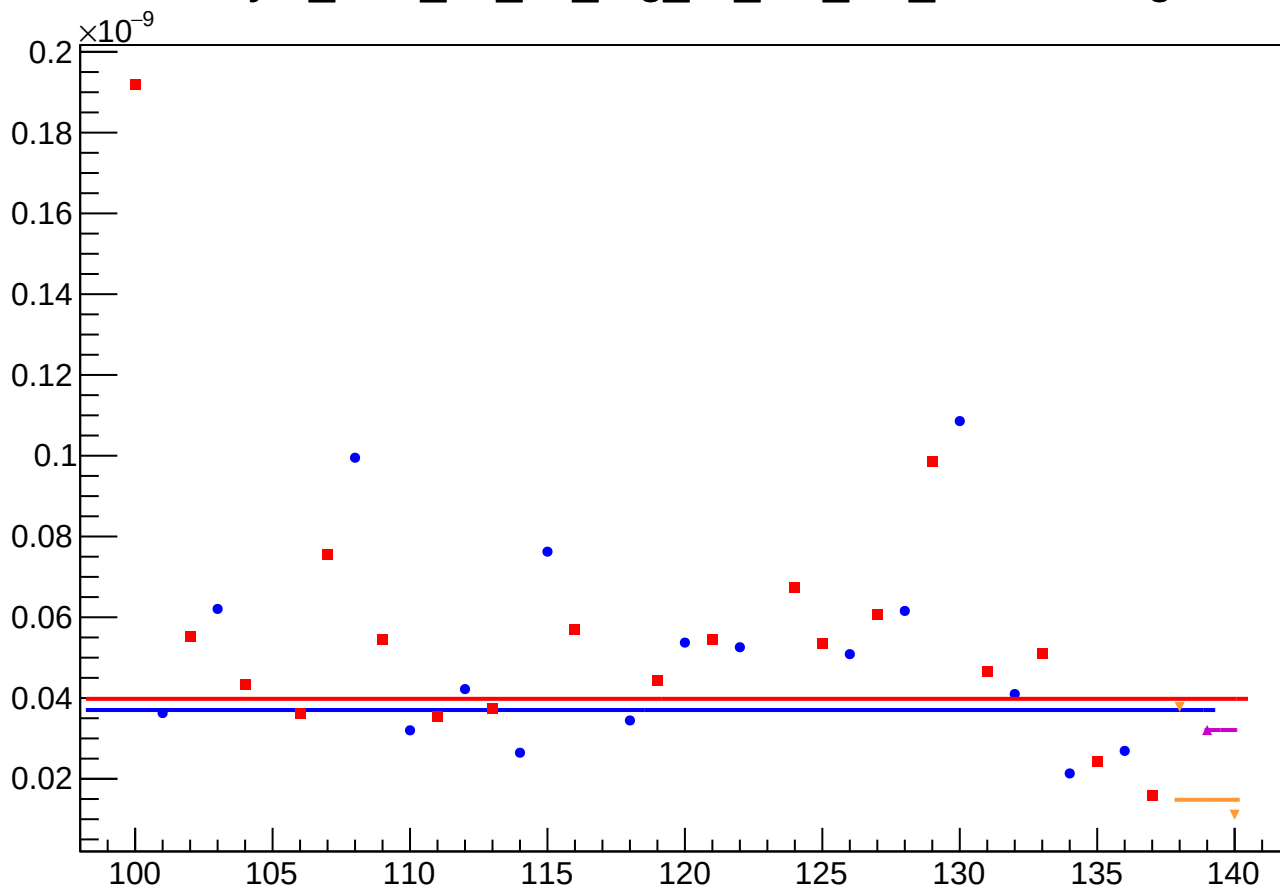
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 19.0/17

All: -0.000 ± 0.000 χ^2/NDF : 35.1/37

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

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 419400.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 903728.0/18

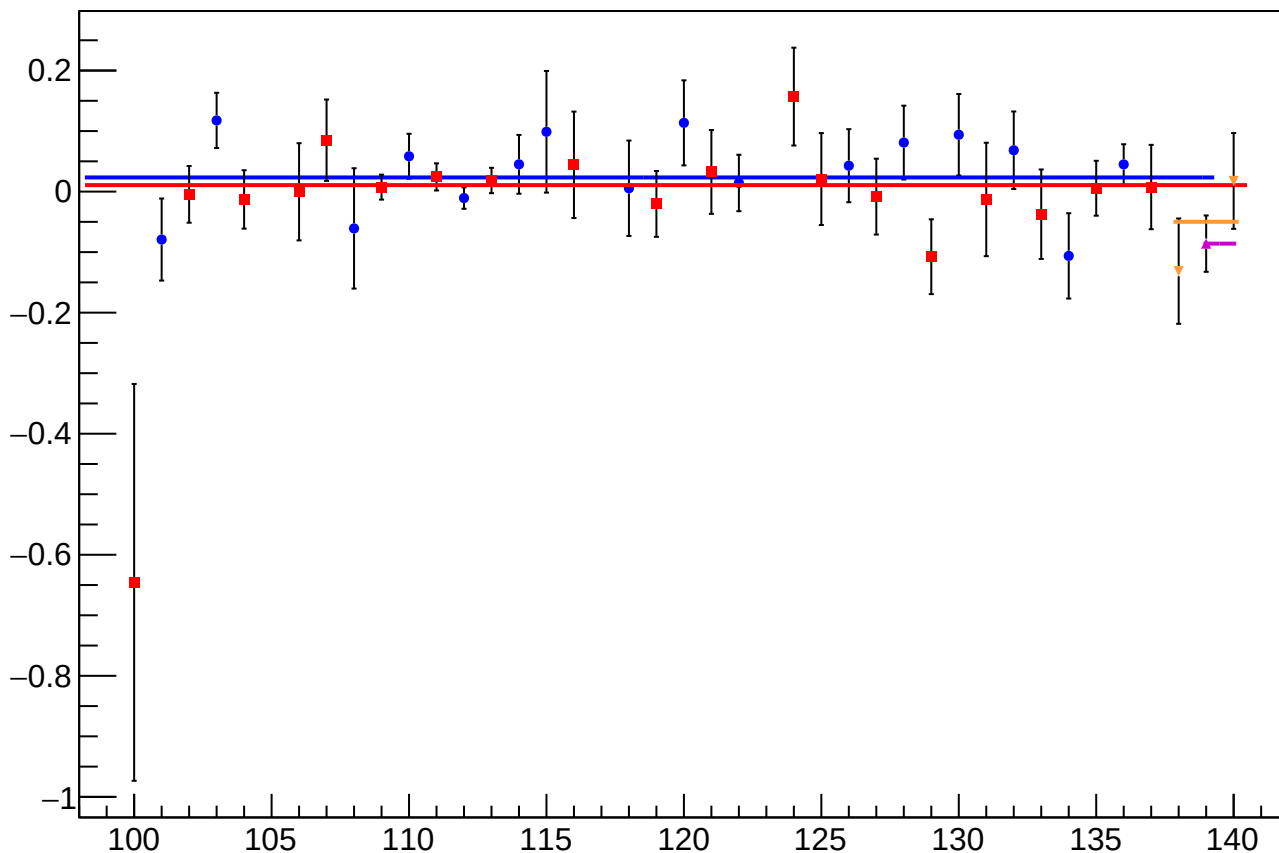
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2534340.9/17

All: 0.000+/-0.000 χ^2/NDF : 4024720.3/37

- sign 0.000+/-0.000 χ^2/NDF : 949075.3/19

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: -0.050 ± 0.059 χ^2/NDF : 1.6/1

Right Out: 0.011 ± 0.010 χ^2/NDF : 14.2/18

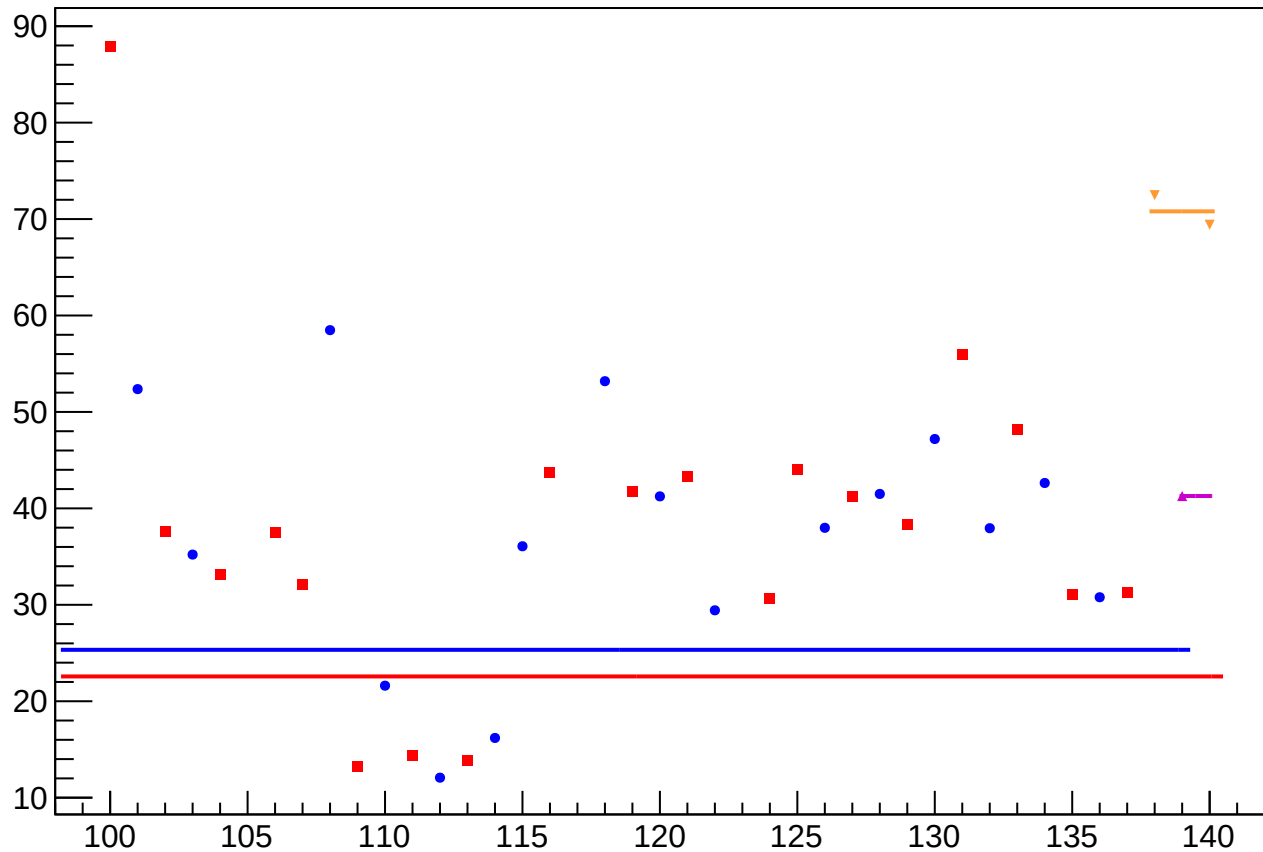
Left In: -0.086 ± 0.047 χ^2/NDF : 0.0/0

+ sign 0.021 ± 0.011 χ^2/NDF : 23.8/17

All: 0.013 ± 0.007 χ^2/NDF : 43.2/37

- sign 0.007 ± 0.010 χ^2/NDF : 18.4/19

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: 70.799+/-0.041 χ^2/NDF :1358.7/1

Right Out: 22.571+/-0.007 χ^2/NDF : 3139937.1/18

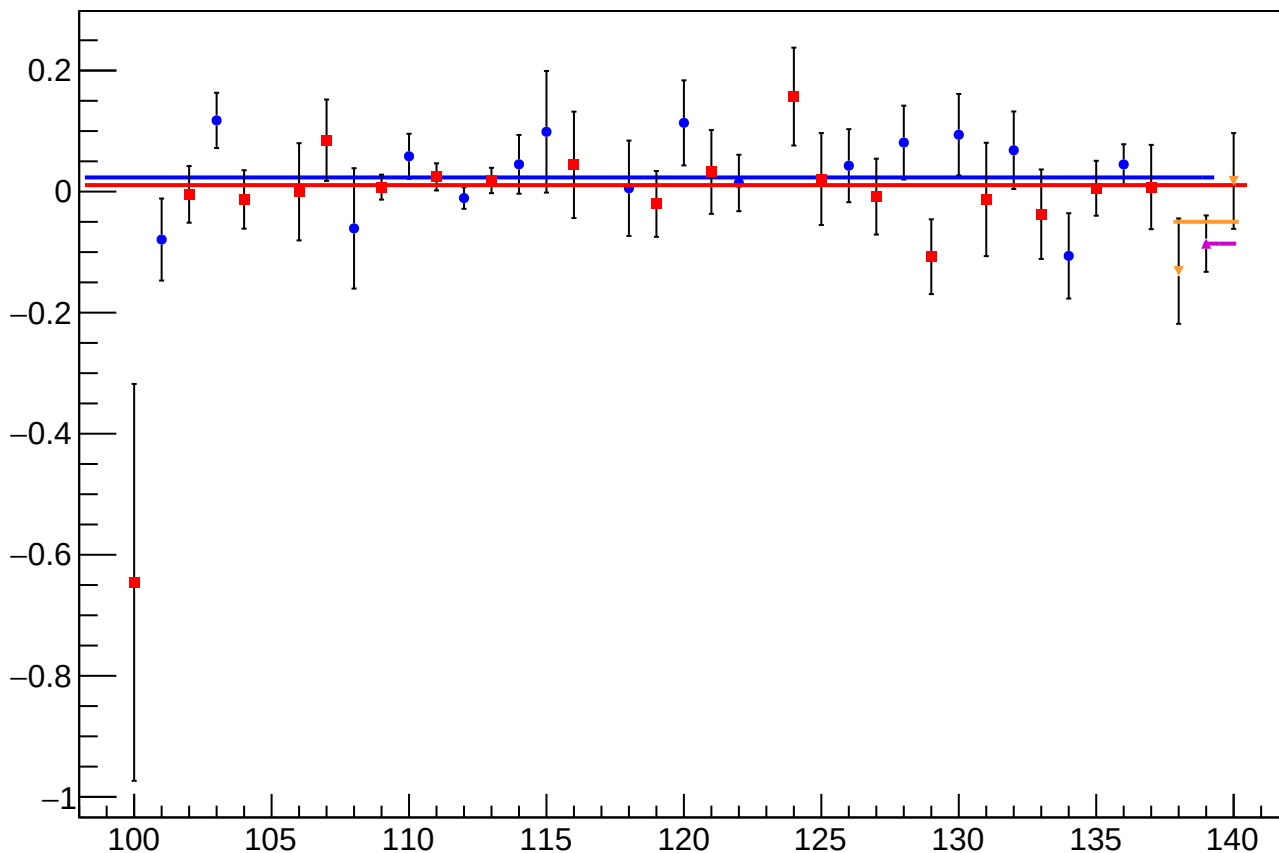
Left In: 41.281+/-0.033 χ^2/NDF :0.0/0

+ sign 26.903+/-0.008 χ^2/NDF : 4091328.1/17

All: 24.913+/-0.005 χ^2/NDF : 7659463.3/37

- sign 23.365+/-0.007 χ^2/NDF : 3449077.1/19

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.050 $\pm$ 0.059 χ^2 /NDF:1.6/1

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

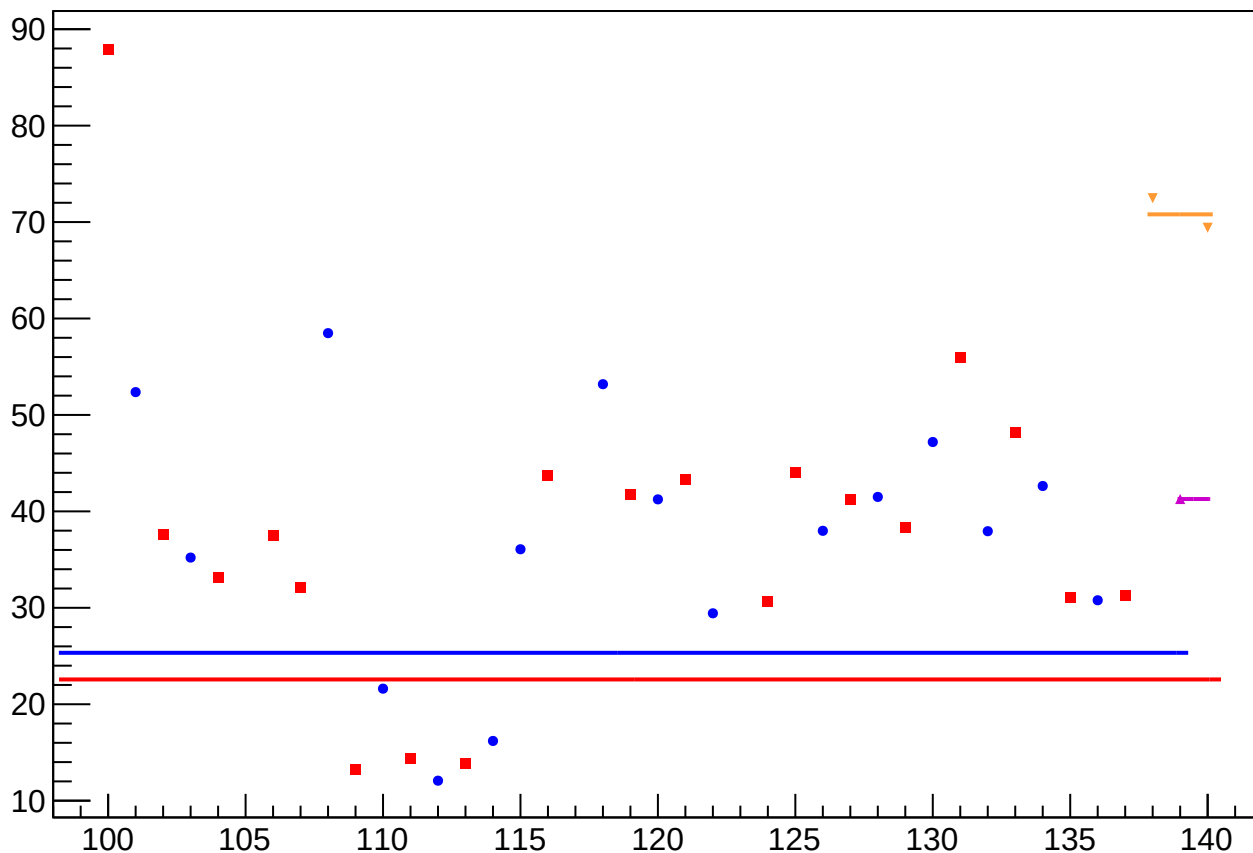
Left In: -0.086 $\pm$ 0.047 χ^2 /NDF:0.0/0

+ sign 0.021 $\pm$ 0.011 χ^2 /NDF: 23.8/17

All: 0.013 $\pm$ 0.007 χ^2 /NDF: 43.2/37

- sign 0.007 $\pm$ 0.010 χ^2 /NDF: 18.4/19

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: 70.799+/-0.041 χ^2/NDF :1358.7/1

Right Out: 22.571+/-0.007 χ^2/NDF : 3139937.1/18

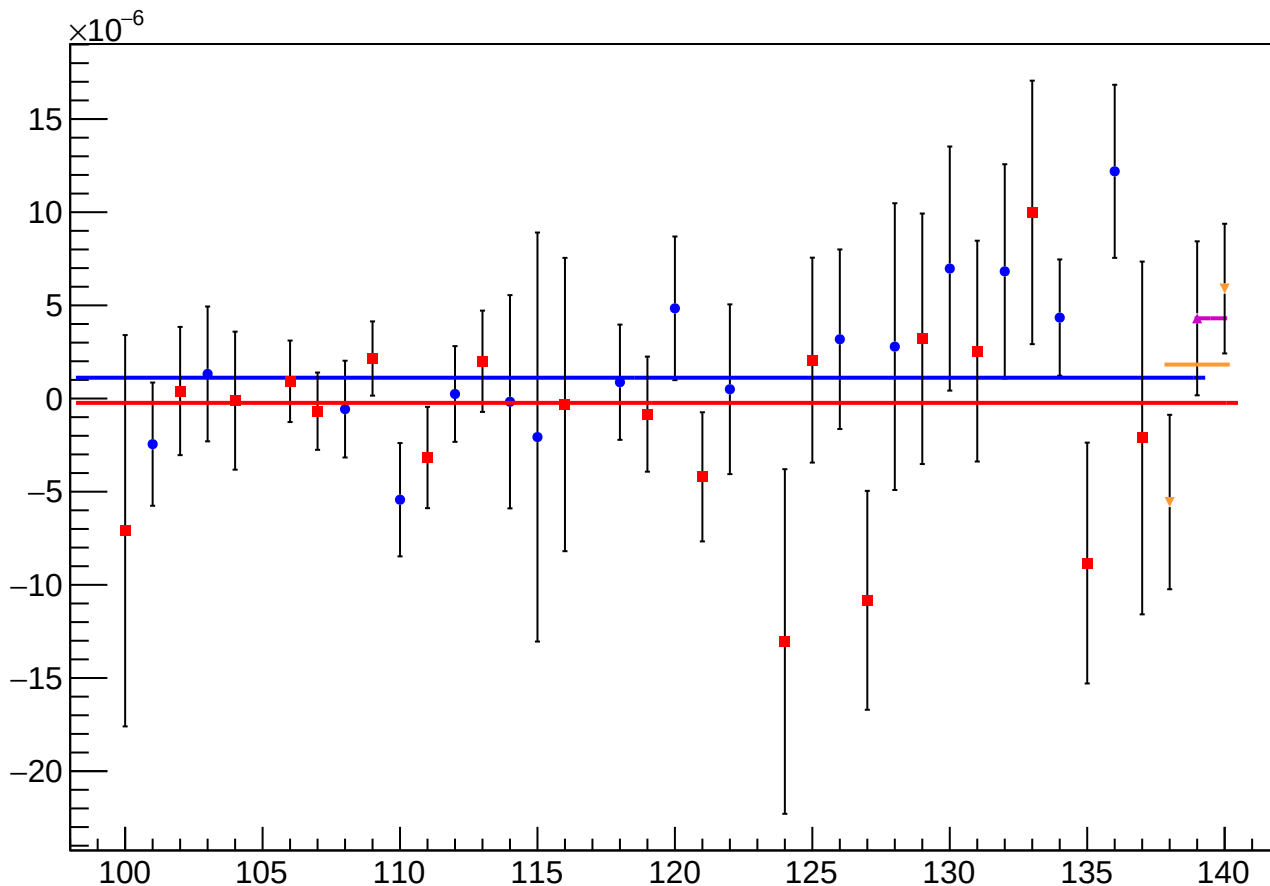
Left In: 41.281+/-0.033 χ^2/NDF :0.0/0

+ sign 26.903+/-0.008 χ^2/NDF : 4091328.1/17

All: 24.913+/-0.005 χ^2/NDF : 7659463.3/37

- sign 23.365+/-0.007 χ^2/NDF : 3449077.1/19

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3.9/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/18

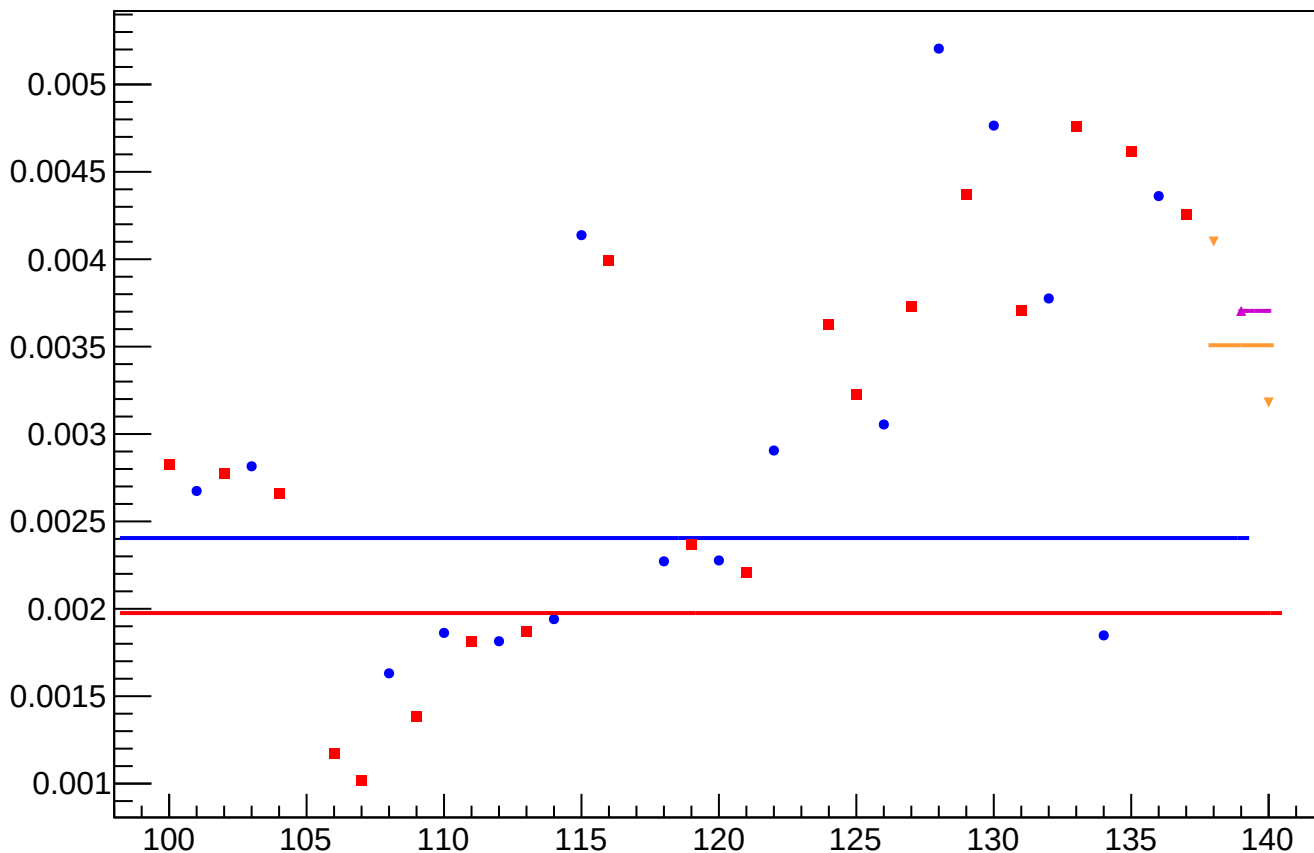
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/19

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1571983.6/15

Left Out: 0.004+/-0.000 χ^2/NDF : 49853.3/1

Right Out: 0.002+/-0.000 χ^2/NDF : 2775363.3/18

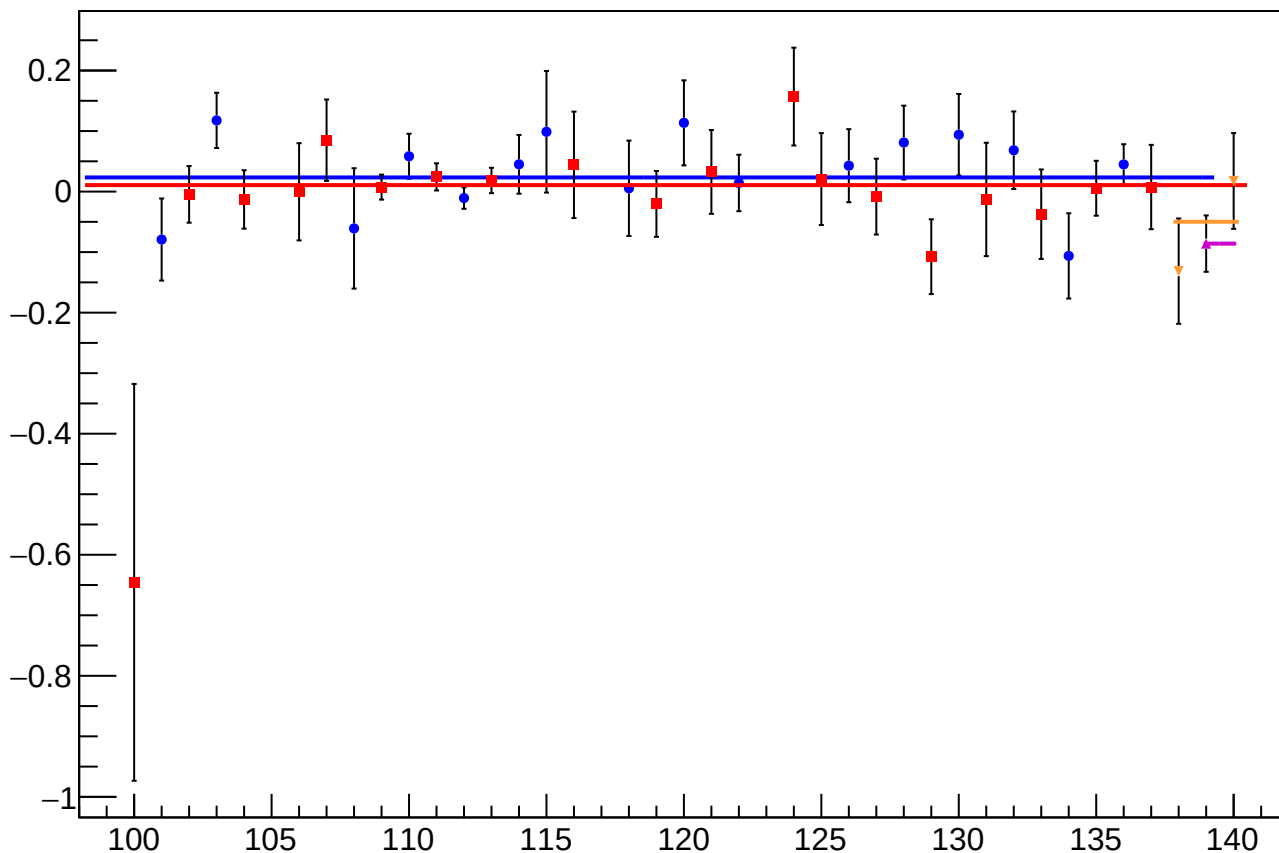
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 1901199.3/17

All: 0.002+/-0.000 χ^2/NDF : 5331186.0/37

- sign 0.002+/-0.000 χ^2/NDF : 3112310.5/19

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.011 χ^2/NDF : 20.7/15

Left Out: -0.050 ± 0.059 χ^2/NDF : 1.6/1

Right Out: 0.011 ± 0.010 χ^2/NDF : 14.2/18

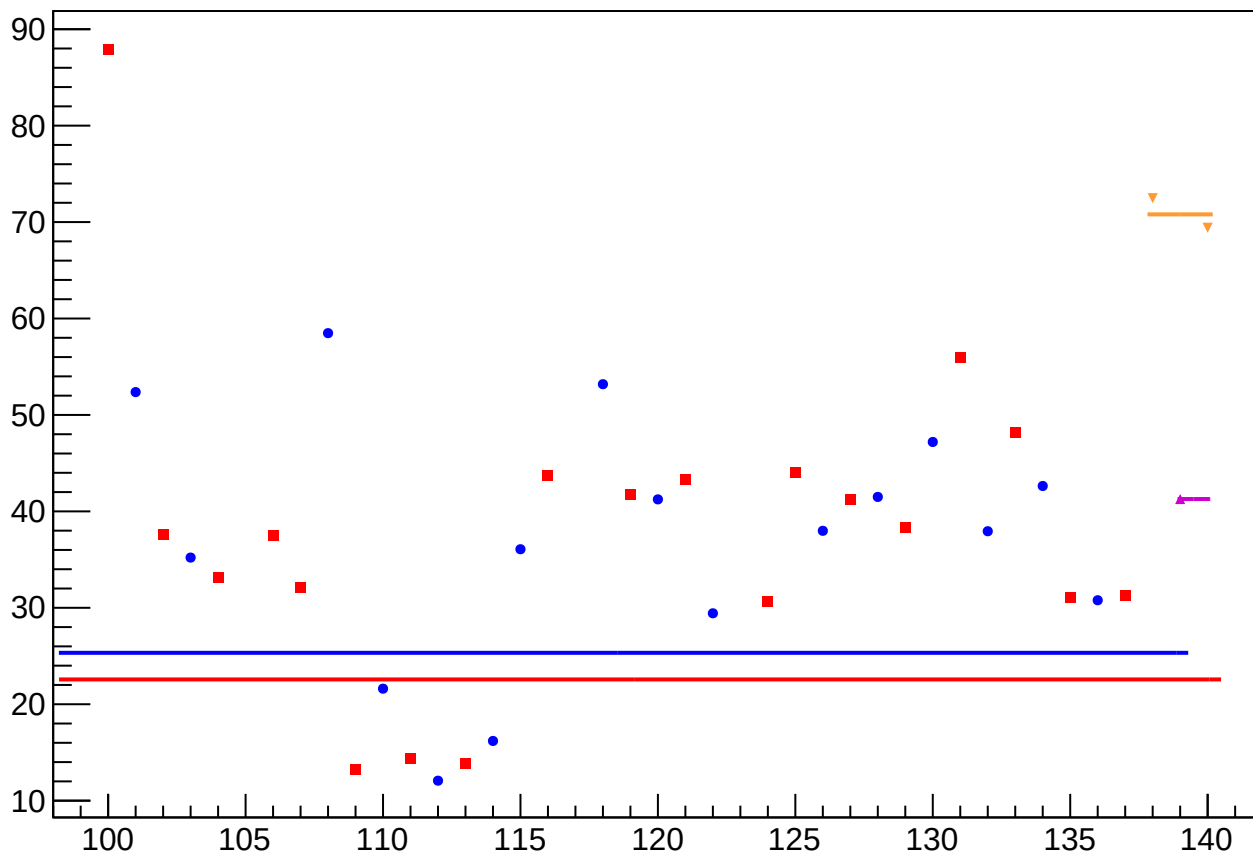
Left In: -0.086 ± 0.047 χ^2/NDF : 0.0/0

+ sign 0.021 ± 0.011 χ^2/NDF : 23.9/17

All: 0.013 ± 0.007 χ^2/NDF : 43.2/37

- sign 0.007 ± 0.010 χ^2/NDF : 18.4/19

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332 $\pm$ 0.008 χ^2 /NDF: 2925549.0/15

Left Out: 70.799 $\pm$ 0.041 χ^2 /NDF:1357.4/1

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3140082.3/18

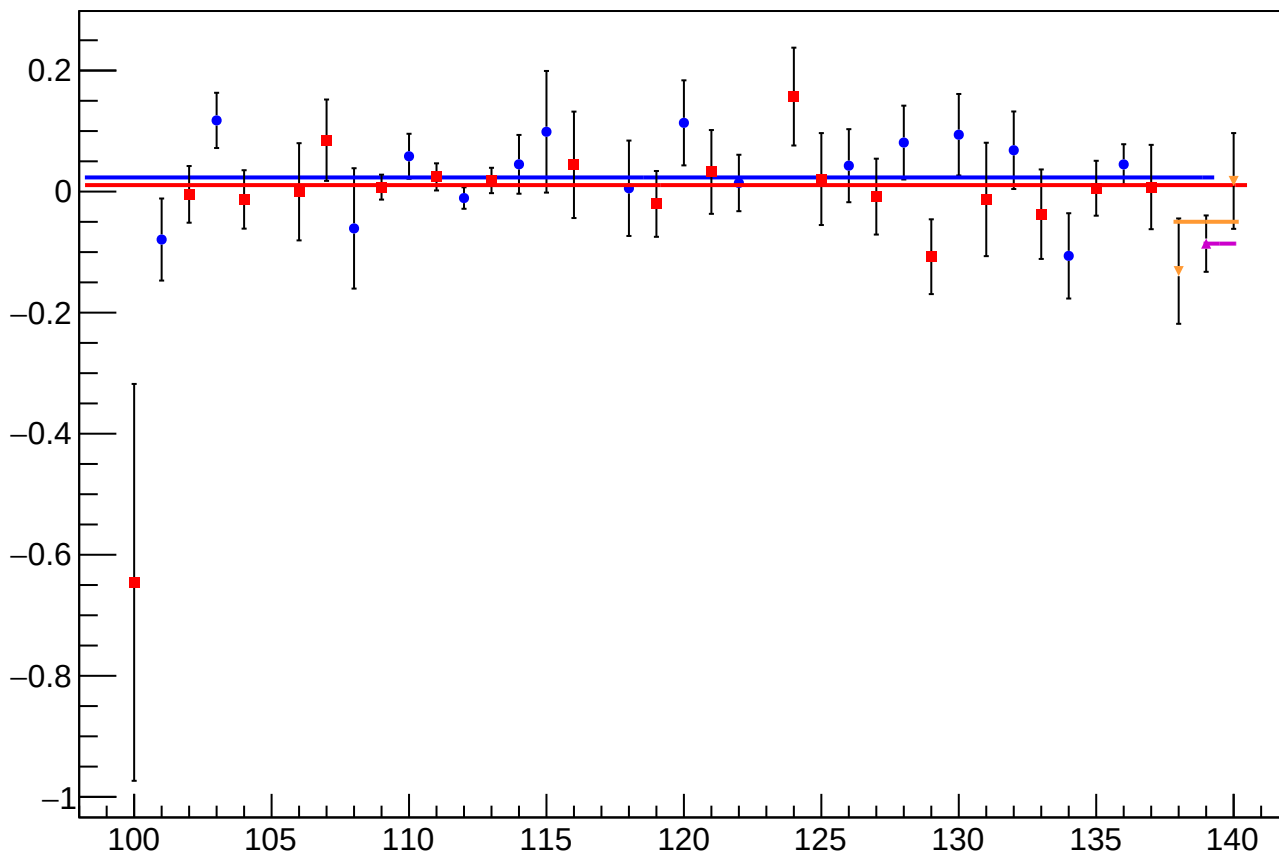
Left In: 41.281 $\pm$ 0.033 χ^2 /NDF:0.0/0

+ sign 26.902 $\pm$ 0.008 χ^2 /NDF: 4091813.4/17

All: 24.912 $\pm$ 0.005 χ^2 /NDF: 7660026.9/37

- sign 23.365 $\pm$ 0.007 χ^2 /NDF: 3449222.0/19

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.011 χ^2/NDF : 20.7/15

Left Out: -0.050 ± 0.059 χ^2/NDF : 1.6/1

Right Out: 0.011 ± 0.010 χ^2/NDF : 14.2/18

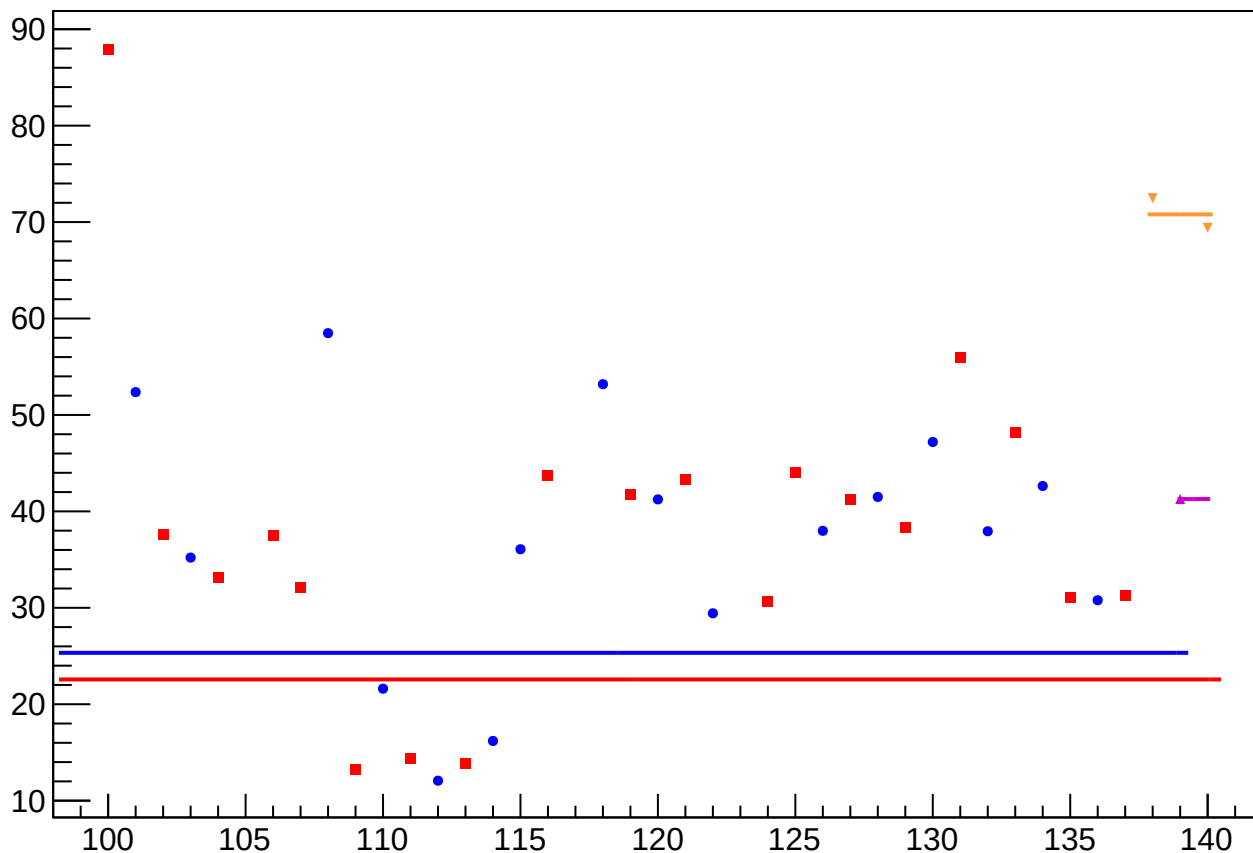
Left In: -0.086 ± 0.047 χ^2/NDF : 0.0/0

+ sign 0.021 ± 0.011 χ^2/NDF : 23.9/17

All: 0.013 ± 0.007 χ^2/NDF : 43.2/37

- sign 0.007 ± 0.010 χ^2/NDF : 18.4/19

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF : 2925549.0/15

Left Out: 70.799+/-0.041 χ^2/NDF : 1357.4/1

Right Out: 22.571+/-0.007 χ^2/NDF : 3140082.3/18

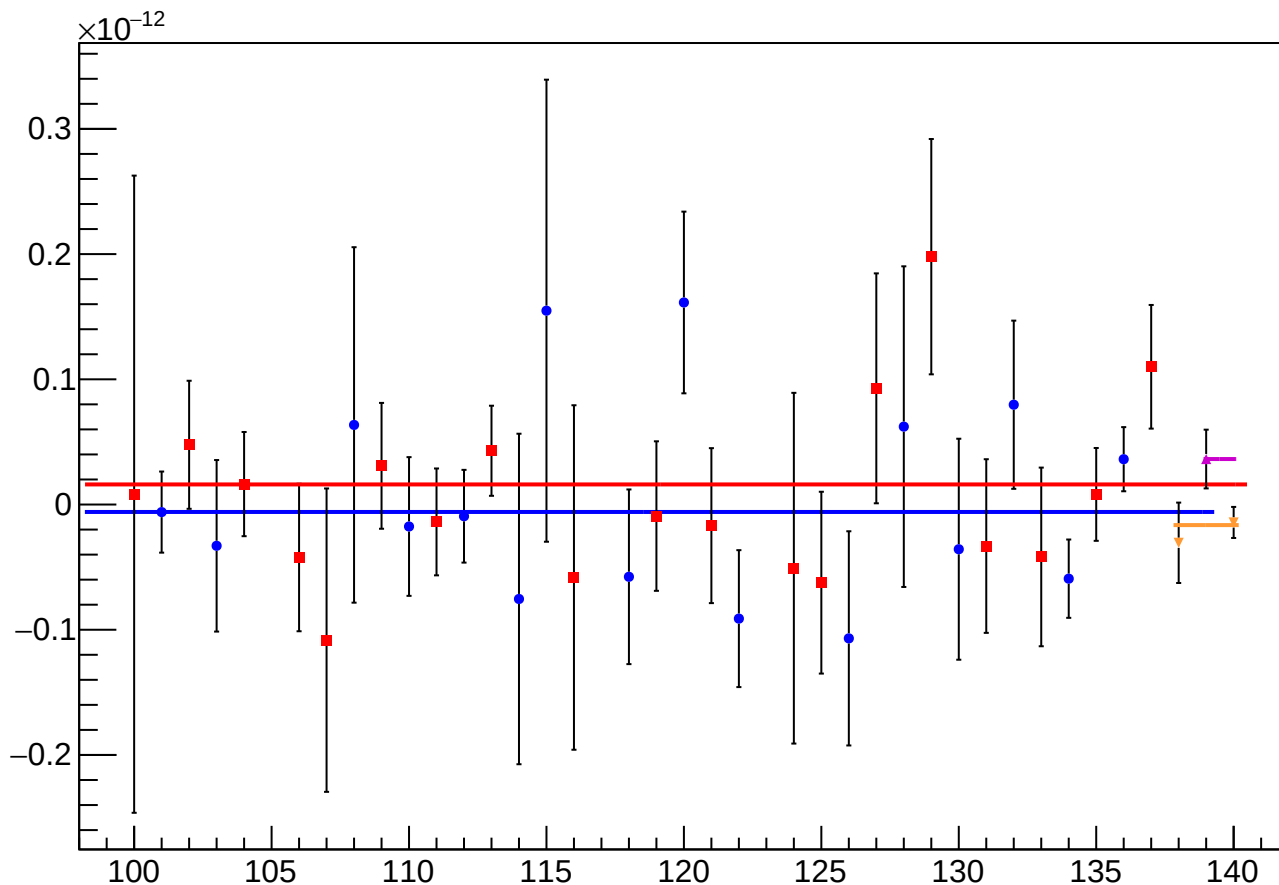
Left In: 41.281+/-0.033 χ^2/NDF : 0.0/0

+ sign 26.902+/-0.008 χ^2/NDF : 4091813.4/17

All: 24.912+/-0.005 χ^2/NDF : 7660026.9/37

- sign 23.365+/-0.007 χ^2/NDF : 3449222.0/19

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 15.0/18

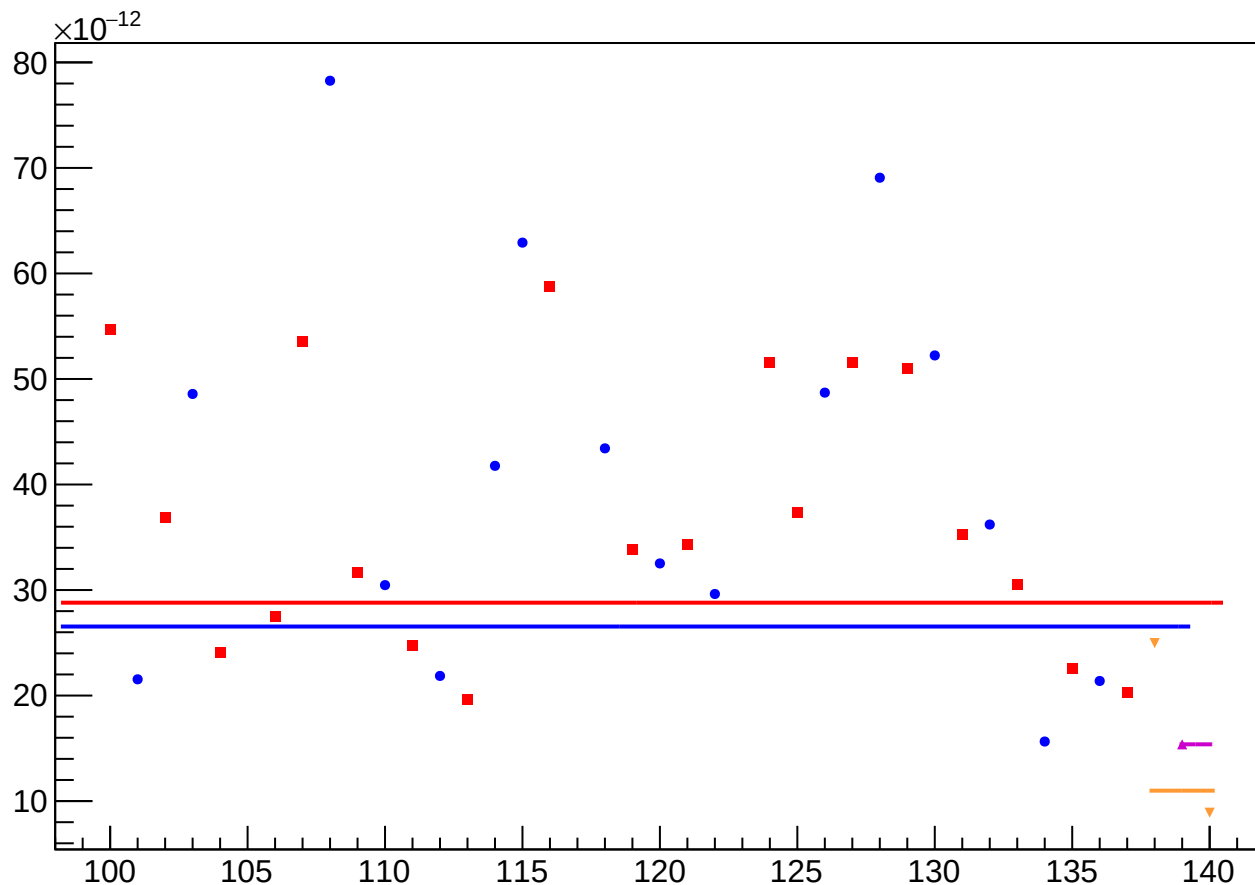
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 19.4/17

All: -0.000+/-0.000 χ^2/NDF : 40.1/37

- sign 0.000+/-0.000 χ^2/NDF : 15.5/19

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 436219.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 910681.7/18

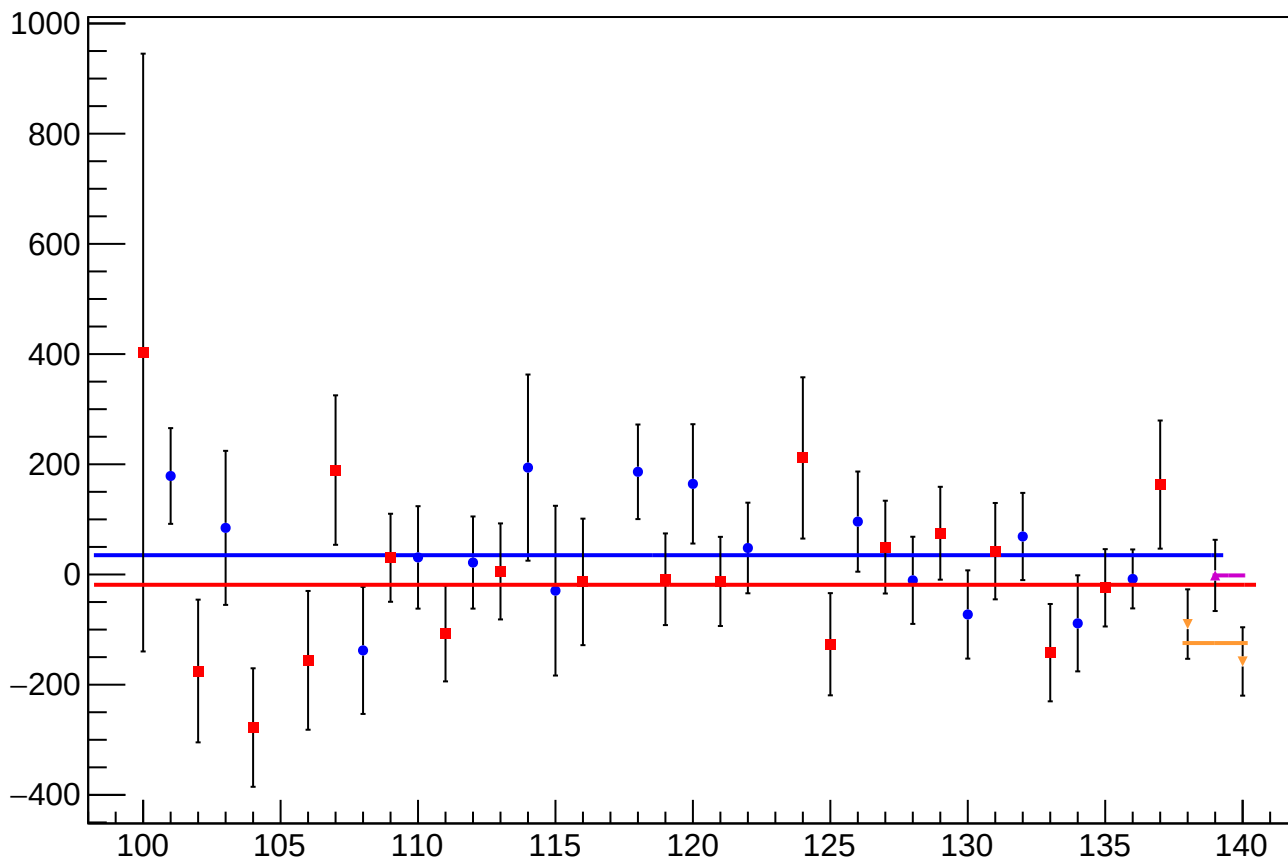
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3766388.9/17

All: 0.000+/-0.000 χ^2/NDF : 5716816.9/37

- sign 0.000+/-0.000 χ^2/NDF : 1406221.8/19

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018 ± 22.134 $\chi^2/\text{NDF}: 16.2/15$

Left Out: -124.437 ± 44.225 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -18.690 ± 22.137 $\chi^2/\text{NDF}: 23.5/18$

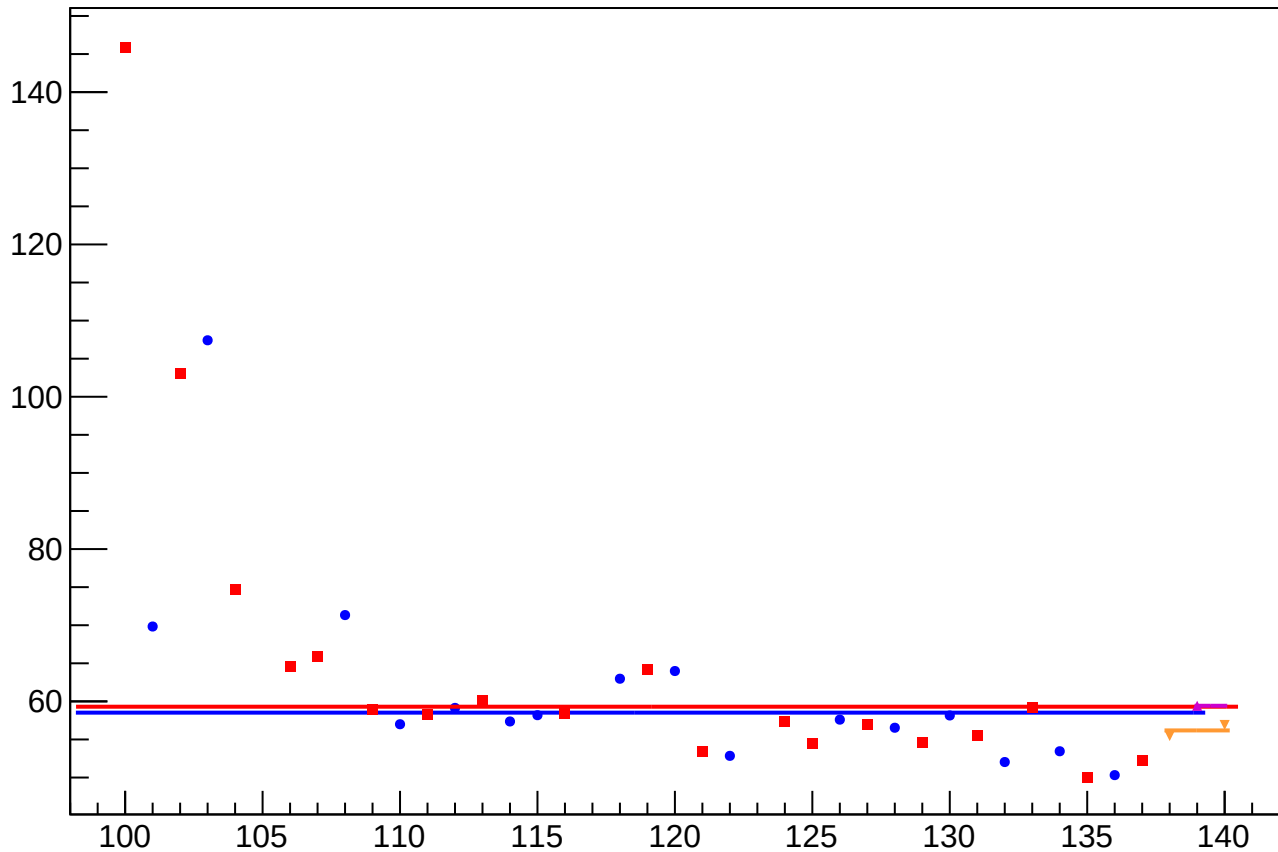
Left In: -1.700 ± 64.622 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3.077 ± 19.794 $\chi^2/\text{NDF}: 27.2/17$

All: -6.352 ± 14.385 $\chi^2/\text{NDF}: 51.2/37$

- sign -16.906 ± 20.942 $\chi^2/\text{NDF}: 23.6/19$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392742.4/15

Left Out: 56.187 $\pm$ 0.031 χ^2 /NDF: 537.5/1

Right Out: 59.301 $\pm$ 0.016 χ^2 /NDF: 406611.5/18

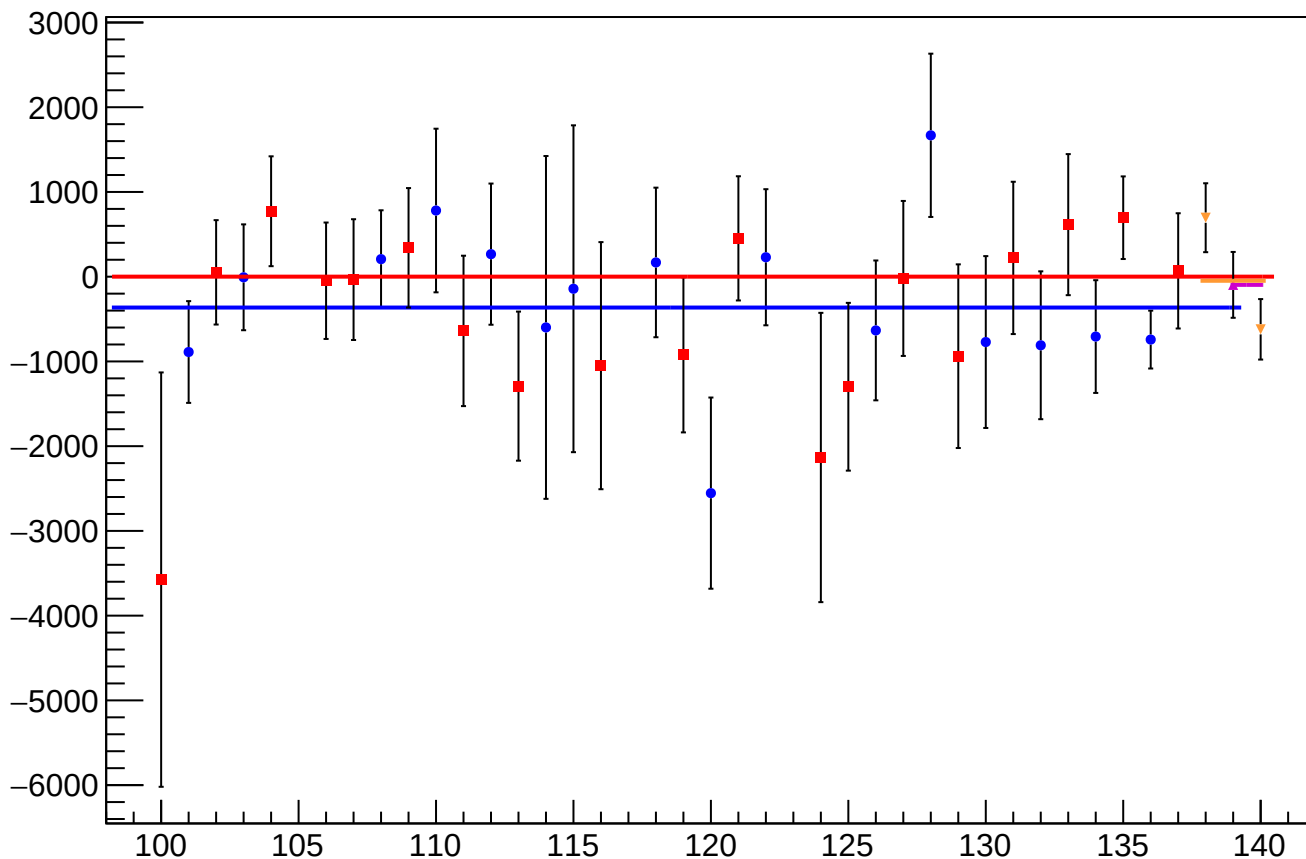
Left In: 59.424 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 58.054 $\pm$ 0.014 χ^2 /NDF: 397735.8/17

All: 58.649 $\pm$ 0.010 χ^2 /NDF: 808178.4/37

- sign 59.314 $\pm$ 0.015 χ^2 /NDF: 406617.9/19

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076 $\pm$ 180.601 χ^2 /NDF: 15.2/15

Left Out: -48.198 $\pm$ 268.231 χ^2 /NDF:5.9/1

Right Out: 0.570 $\pm$ 183.085 χ^2 /NDF: 15.1/18

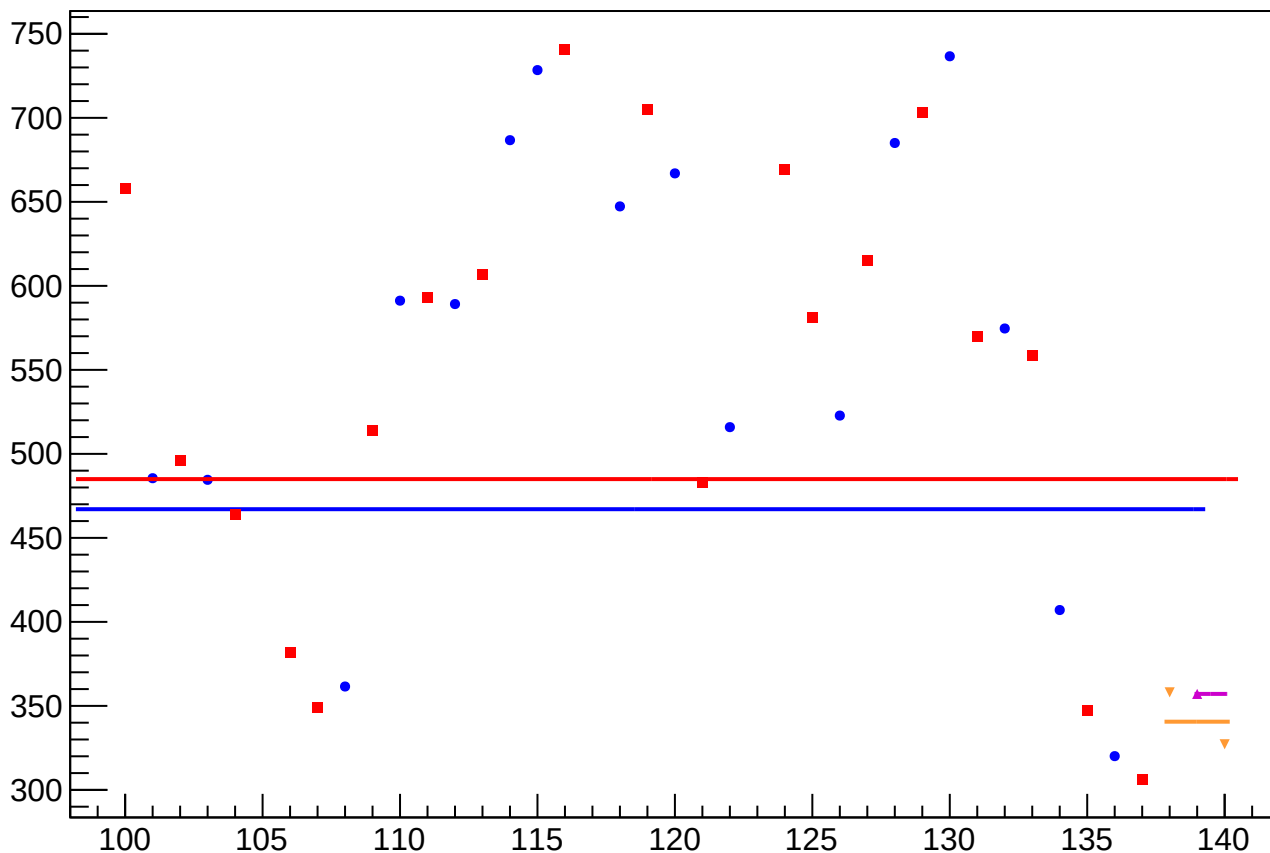
Left In: -96.440 $\pm$ 388.628 χ^2 /NDF:0.0/0

+ sign -265.545 $\pm$ 149.808 χ^2 /NDF: 22.1/17

All: -153.727 $\pm$ 111.103 χ^2 /NDF: 38.5/37

- sign -17.050 $\pm$ 165.626 χ^2 /NDF: 15.1/19

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068 $\pm$ 0.128 χ^2 /NDF: 1030279.0/15

Left Out: 340.597 $\pm$ 0.190 χ^2 /NDF: 6527.8/1

Right Out: 484.982 $\pm$ 0.129 χ^2 /NDF: 874102.2/18

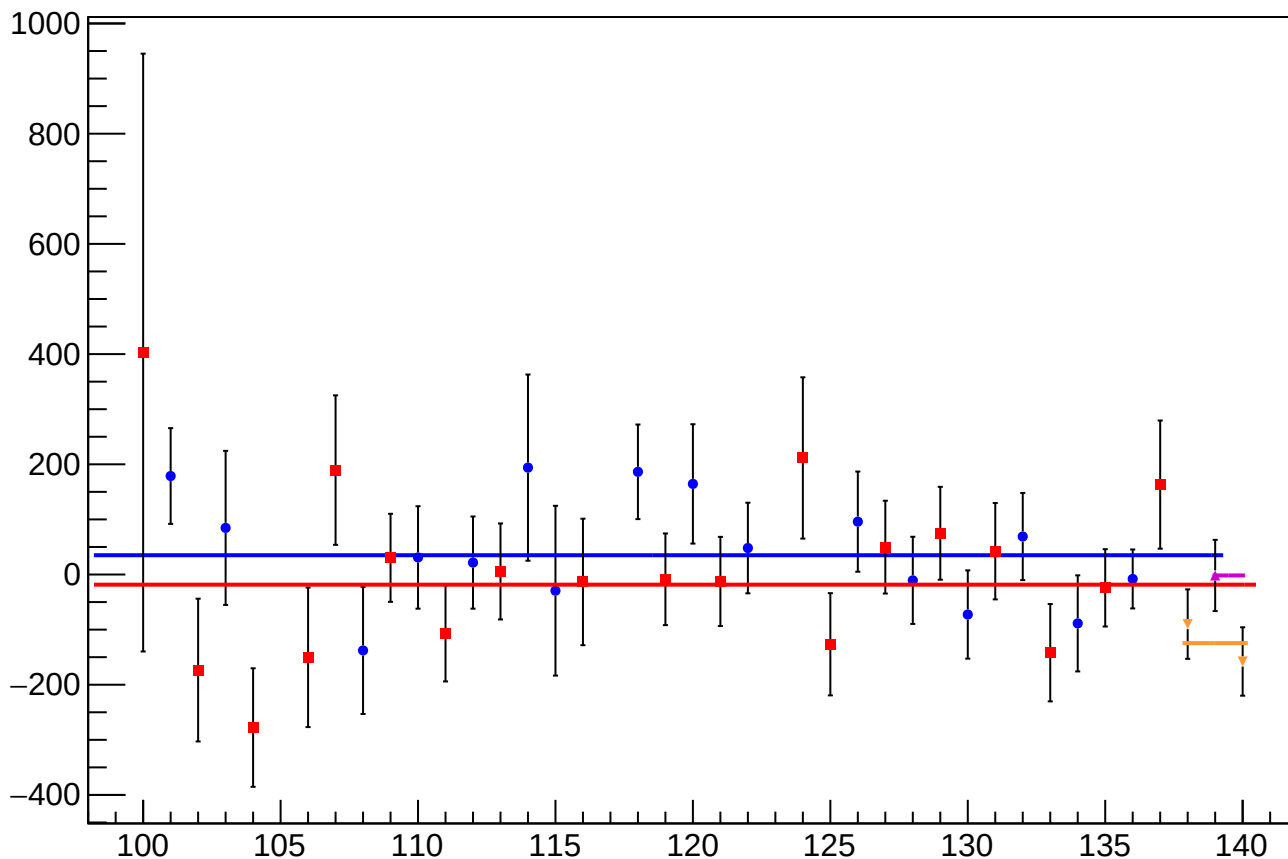
Left In: 357.130 $\pm$ 0.275 χ^2 /NDF: 0.0/0

+ sign 427.618 $\pm$ 0.106 χ^2 /NDF: 1342739.9/17

All: 442.981 $\pm$ 0.079 χ^2 /NDF: 2440729.5/37

- sign 461.760 $\pm$ 0.117 χ^2 /NDF: 1051246.0/19

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 ± 22.134 χ^2/NDF : 16.2/15

Left Out: -124.430 ± 44.225 χ^2/NDF : 0.6/1

Right Out: -18.417 ± 22.141 χ^2/NDF : 23.4/18

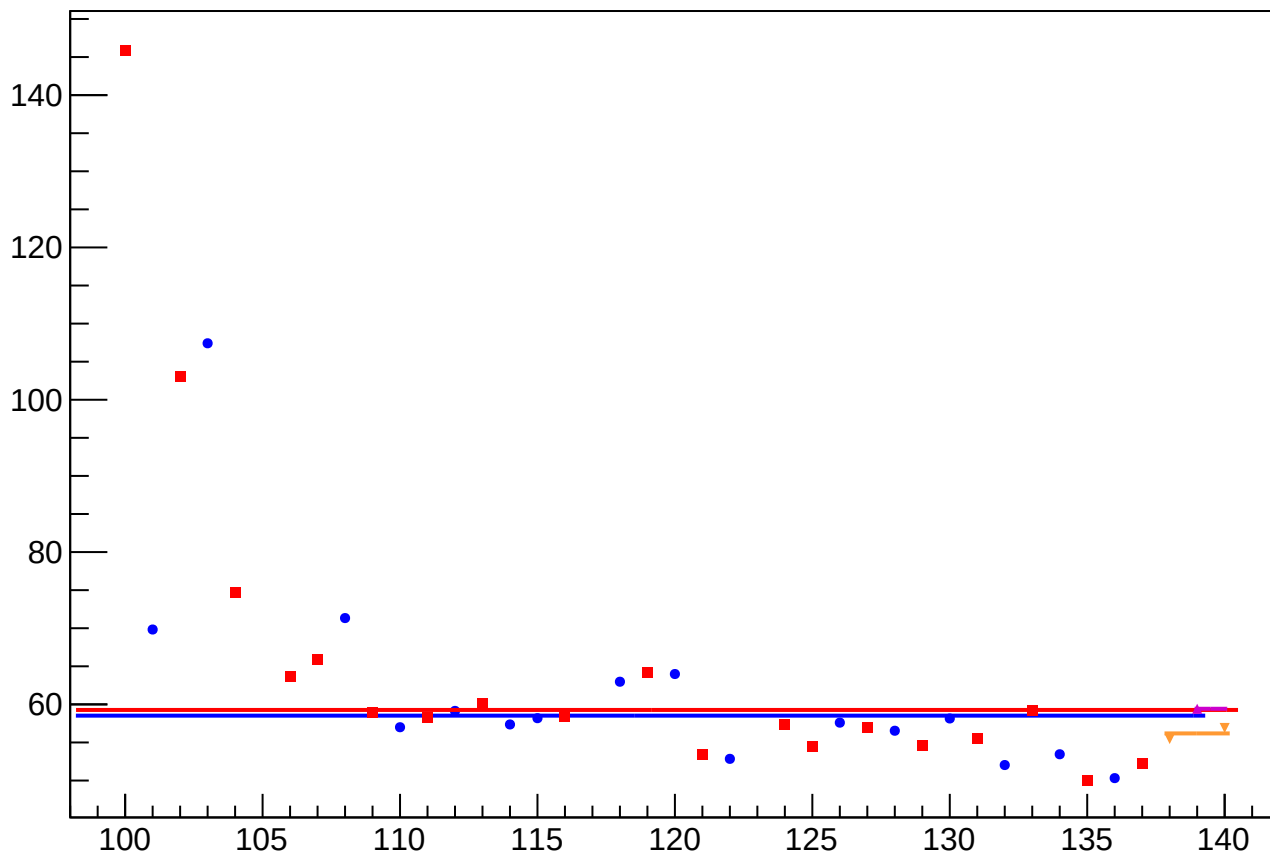
Left In: -1.708 ± 64.622 χ^2/NDF : 0.0/0

+ sign 3.077 ± 19.794 χ^2/NDF : 27.2/17

All: -6.235 ± 14.386 χ^2/NDF : 51.1/37

- sign -16.661 ± 20.946 χ^2/NDF : 23.4/19

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392744.5/15

Left Out: 56.187 $\pm$ 0.031 χ^2 /NDF: 537.5/1

Right Out: 59.269 $\pm$ 0.016 χ^2 /NDF: 405616.3/18

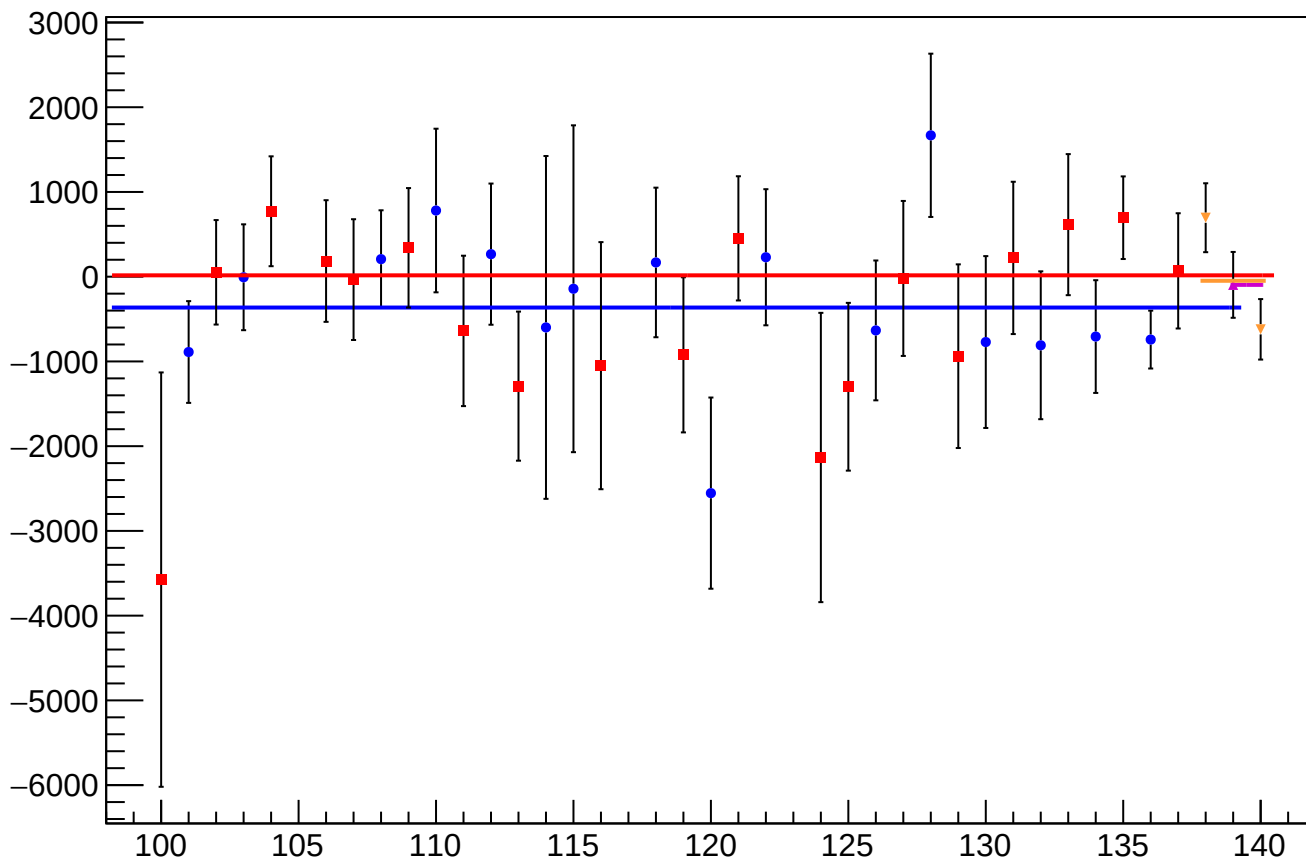
Left In: 59.424 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 58.054 $\pm$ 0.014 χ^2 /NDF: 397737.9/17

All: 58.635 $\pm$ 0.010 χ^2 /NDF: 807017.5/37

- sign 59.286 $\pm$ 0.015 χ^2 /NDF: 405626.6/19

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040 ± 180.602 χ^2/NDF : 15.2/15

Left Out: -48.204 ± 268.231 χ^2/NDF : 5.9/1

Right Out: 16.087 ± 183.650 χ^2/NDF : 15.1/18

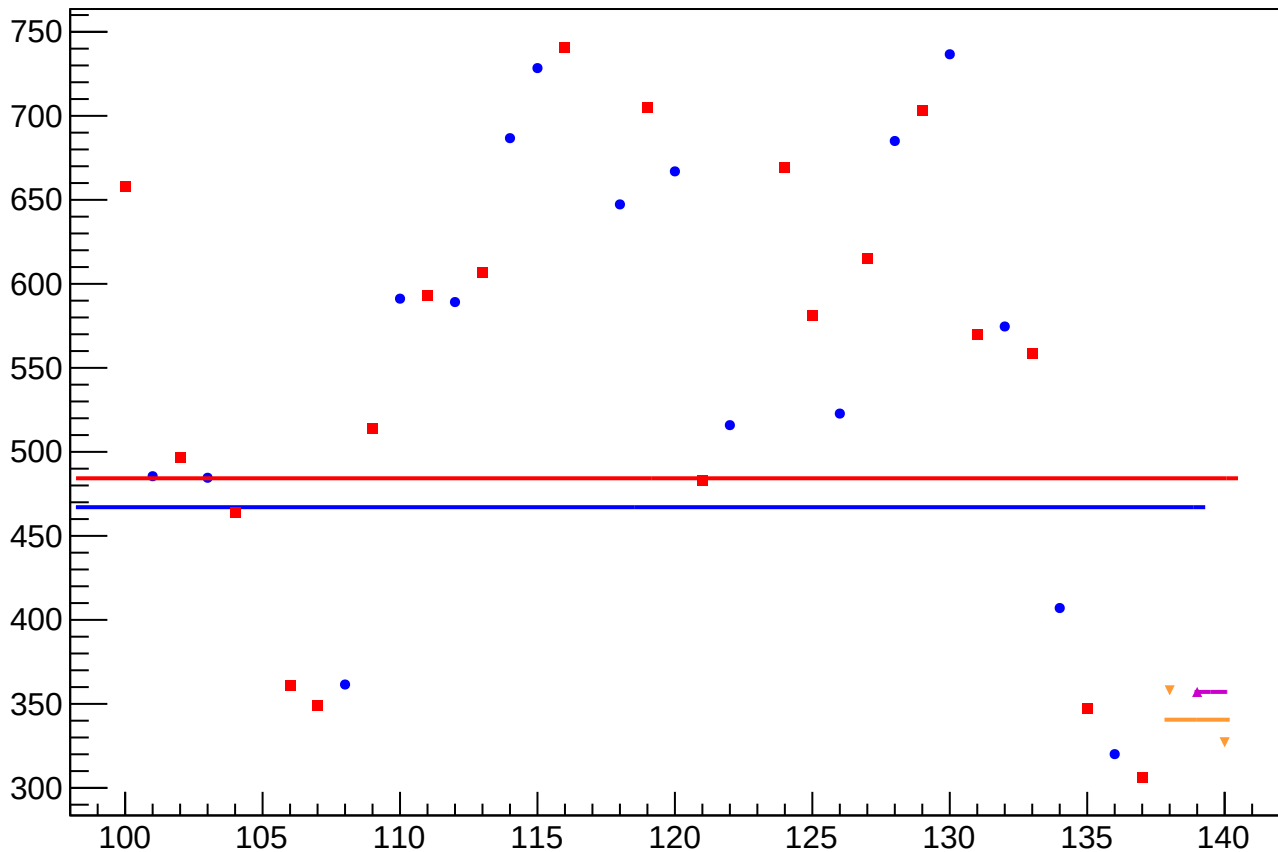
Left In: -96.446 ± 388.628 χ^2/NDF : 0.0/0

+ sign -265.521 ± 149.809 χ^2/NDF : 22.1/17

All: -148.372 ± 111.229 χ^2/NDF : 38.7/37

- sign -4.456 ± 166.044 χ^2/NDF : 15.2/19

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF : 1030281.3/15

Left Out: 340.597+/-0.190 χ^2/NDF : 6528.1/1

Right Out: 484.274+/-0.130 χ^2/NDF : 888797.2/18

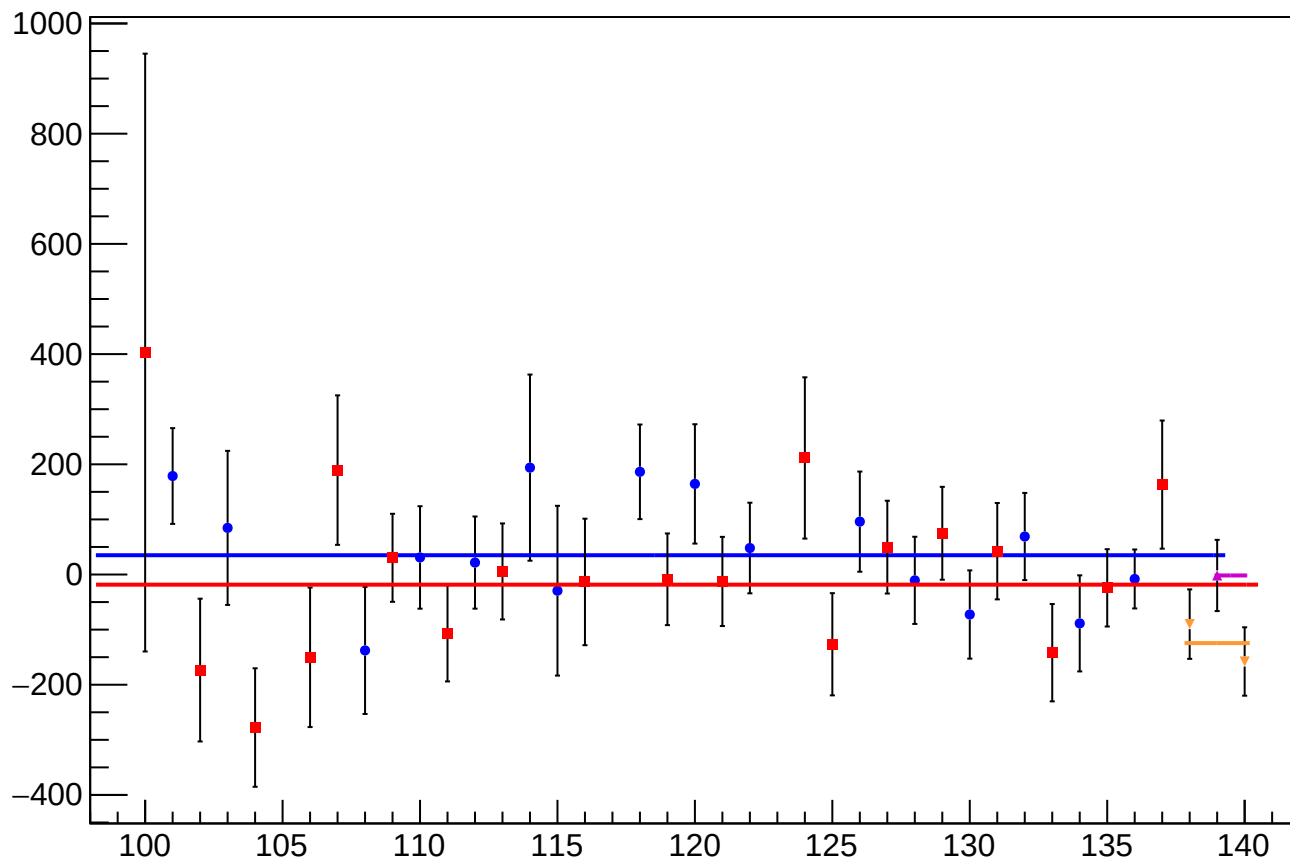
Left In: 357.130+/-0.275 χ^2/NDF : 0.0/0

+ sign 427.620+/-0.106 χ^2/NDF : 1342754.6/17

All: 442.627+/-0.079 χ^2/NDF : 2451271.2/37

- sign 461.064+/-0.117 χ^2/NDF : 1063788.1/19

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 ± 22.134 $\chi^2/\text{NDF}: 16.2/15$

Left Out: -124.430 ± 44.225 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -18.417 ± 22.141 $\chi^2/\text{NDF}: 23.4/18$

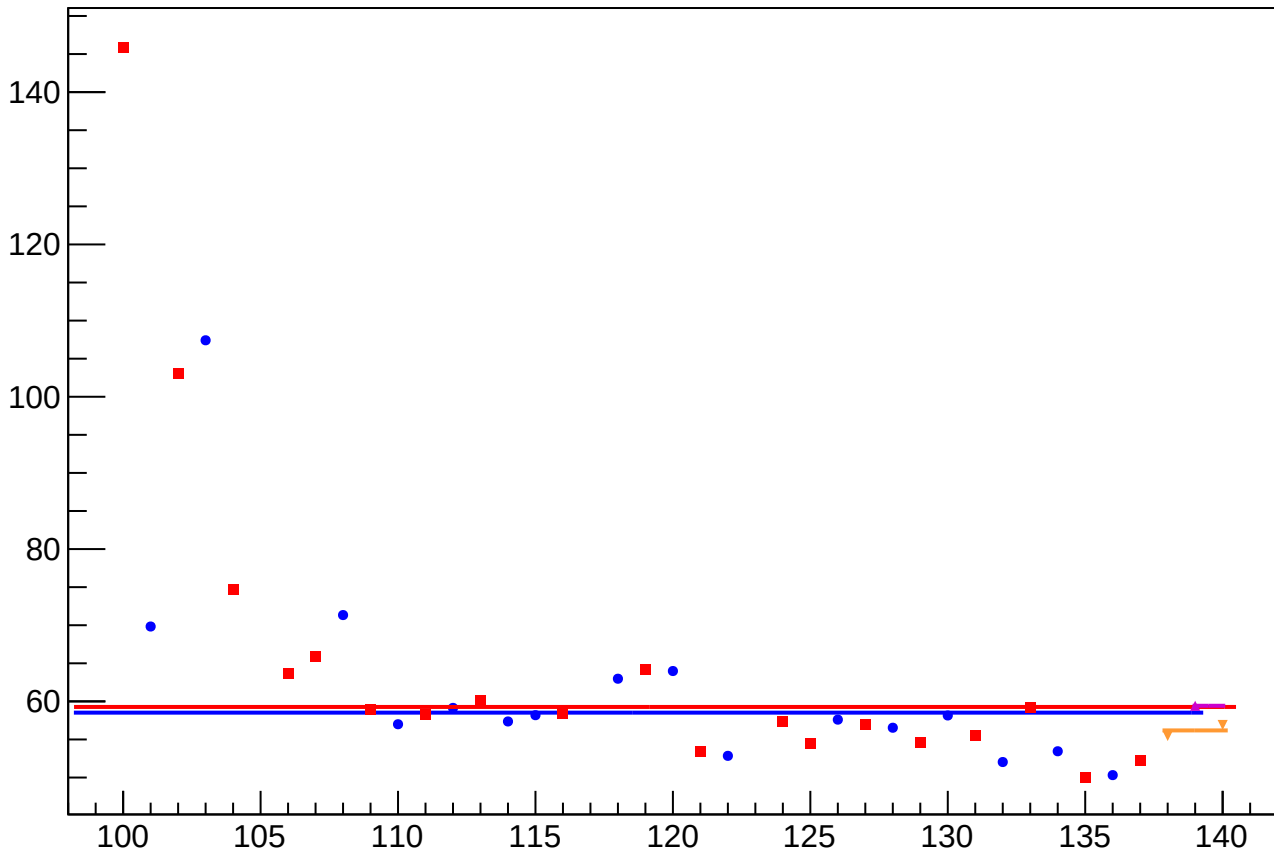
Left In: -1.708 ± 64.622 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3.077 ± 19.794 $\chi^2/\text{NDF}: 27.2/17$

All: -6.235 ± 14.386 $\chi^2/\text{NDF}: 51.1/37$

- sign -16.661 ± 20.946 $\chi^2/\text{NDF}: 23.4/19$

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392744.5/15

Left Out: 56.187 $\pm$ 0.031 χ^2 /NDF: 537.5/1

Right Out: 59.269 $\pm$ 0.016 χ^2 /NDF: 405616.3/18

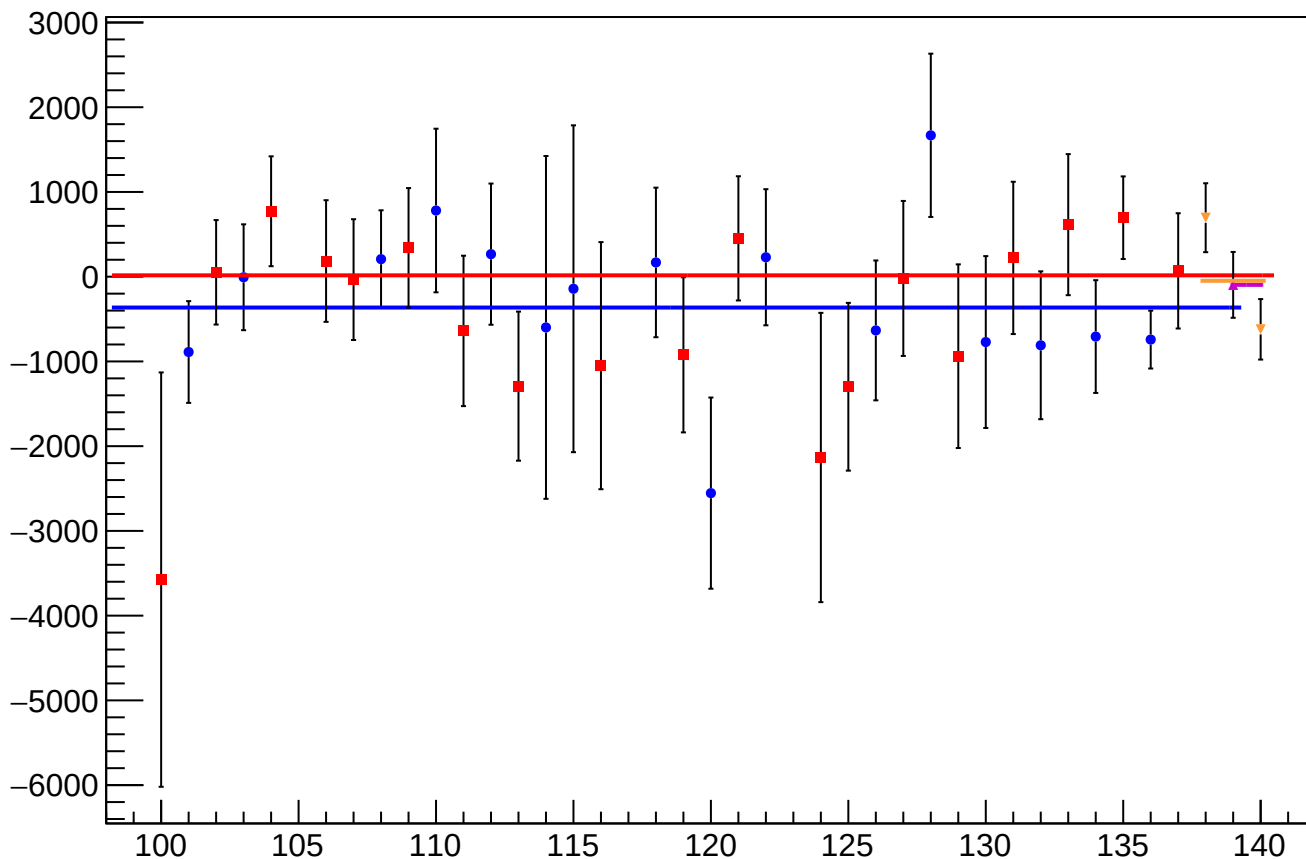
Left In: 59.424 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 58.054 $\pm$ 0.014 χ^2 /NDF: 397737.9/17

All: 58.635 $\pm$ 0.010 χ^2 /NDF: 807017.5/37

- sign 59.286 $\pm$ 0.015 χ^2 /NDF: 405626.6/19

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -364.040 ± 180.602 χ^2/NDF : 15.2/15

Left Out: -48.204 ± 268.231 χ^2/NDF : 5.9/1

Right Out: 16.087 ± 183.650 χ^2/NDF : 15.1/18

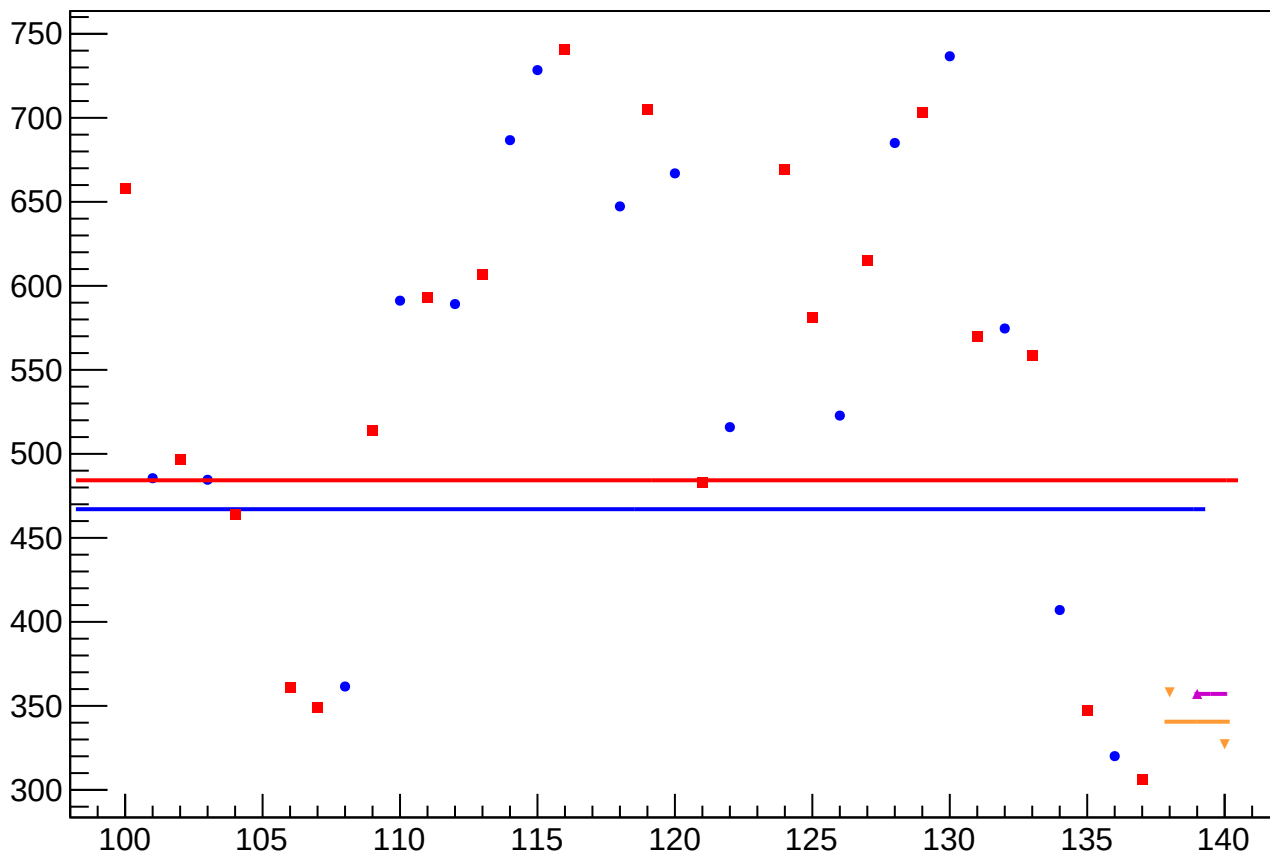
Left In: -96.446 ± 388.628 χ^2/NDF : 0.0/0

+ sign -265.521 ± 149.809 χ^2/NDF : 22.1/17

All: -148.372 ± 111.229 χ^2/NDF : 38.7/37

- sign -4.456 ± 166.044 χ^2/NDF : 15.2/19

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: 340.597+/-0.190 χ^2/NDF : 6528.1/1

Right Out: 484.274+/-0.130 χ^2/NDF : 888797.2/18

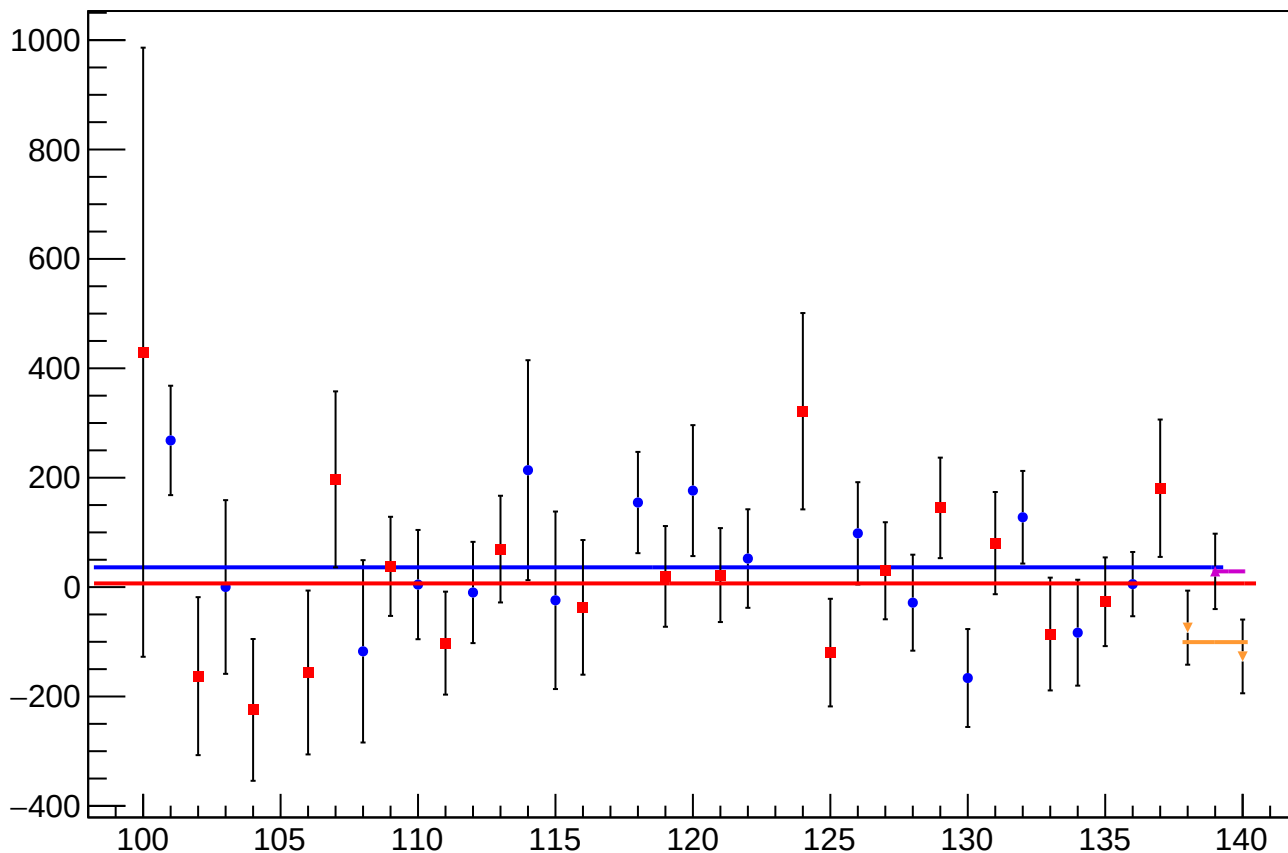
Left In: 357.130+/-0.275 χ^2/NDF : 0.0/0

+ sign 427.620+/-0.106 χ^2/NDF : 1342754.6/17

All: 442.627+/-0.079 χ^2/NDF : 2451271.2/37

- sign 461.064+/-0.117 χ^2/NDF : 1063788.1/19

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF : 19.6/15

Left Out: -100.572+/-47.766 χ^2/NDF : 0.3/1

Right Out: 6.734+/-24.565 χ^2/NDF : 20.3/18

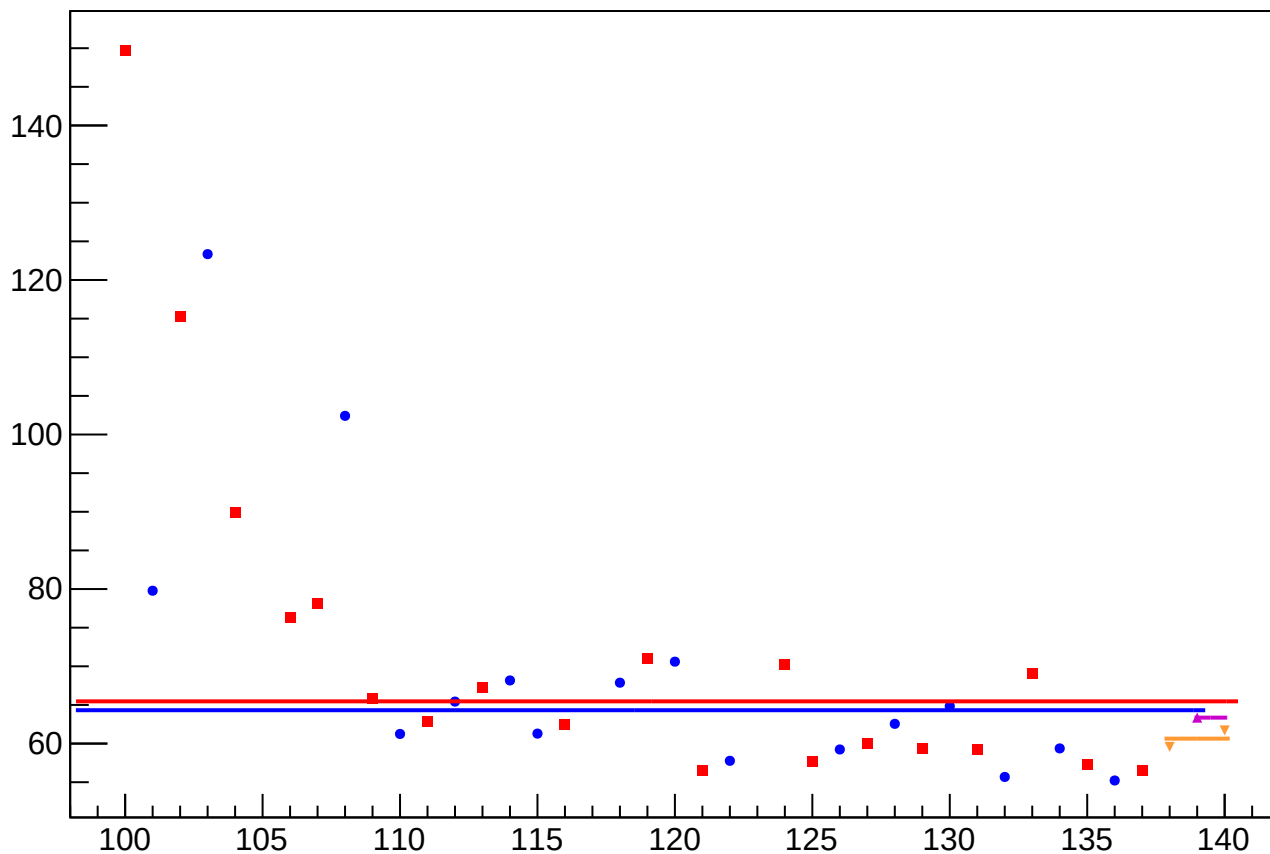
Left In: 28.752+/-68.911 χ^2/NDF : 0.0/0

+ sign 7.730+/-21.779 χ^2/NDF : 26.4/17

All: 8.429+/-15.859 χ^2/NDF : 46.9/37

- sign 9.217+/-23.139 χ^2/NDF : 20.4/19

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 $\pm$ 0.017 χ^2 /NDF: 532065.0/15

Left Out: 60.640 $\pm$ 0.034 χ^2 /NDF: 995.1/1

Right Out: 65.466 $\pm$ 0.017 χ^2 /NDF: 482361.0/18

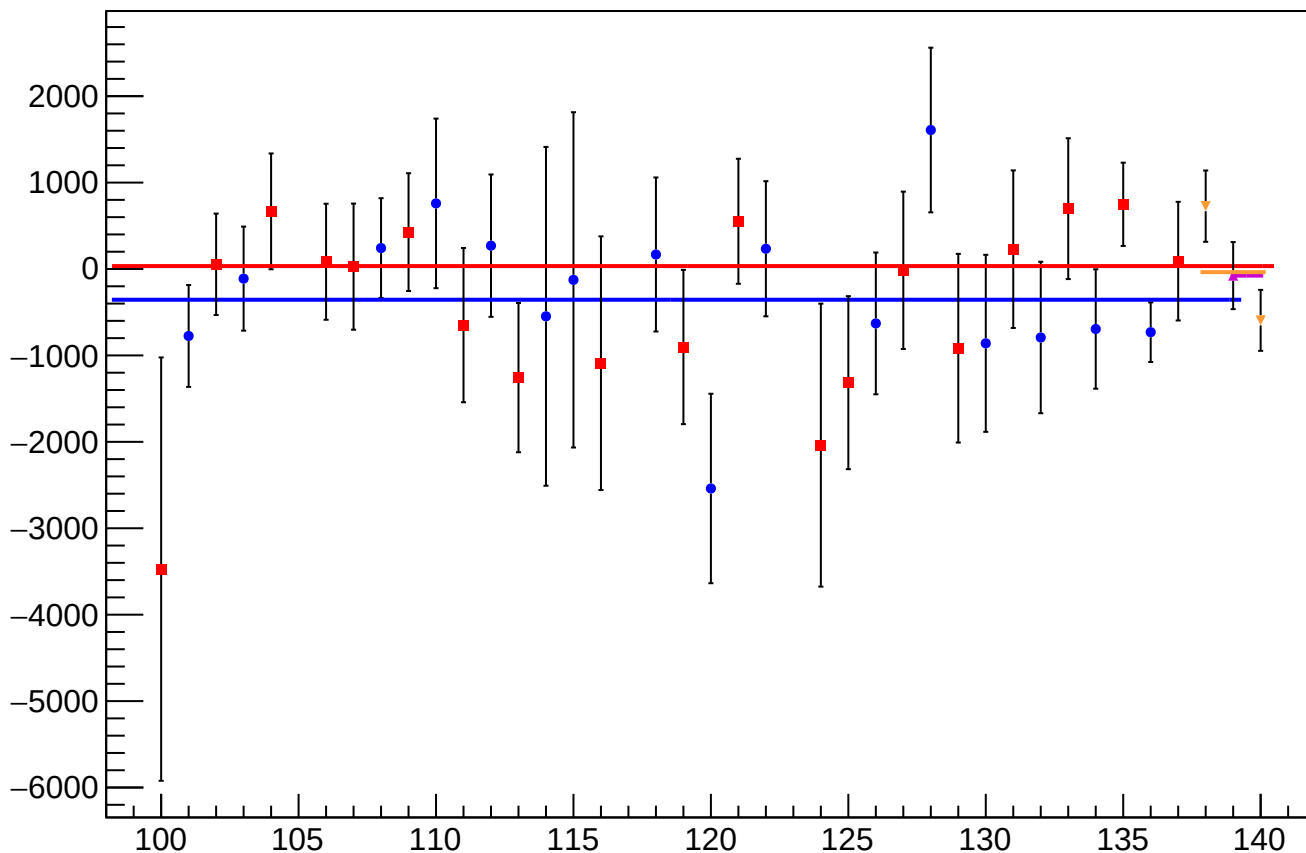
Left In: 63.358 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 63.552 $\pm$ 0.015 χ^2 /NDF: 542444.0/17

All: 64.340 $\pm$ 0.011 χ^2 /NDF: 1032032.2/37

- sign 65.228 $\pm$ 0.016 χ^2 /NDF: 484022.1/19

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529 ± 180.335 χ^2/NDF : 14.8/15

Left Out: -36.446 ± 268.135 χ^2/NDF : 5.9/1

Right Out: 33.786 ± 181.561 χ^2/NDF : 15.4/18

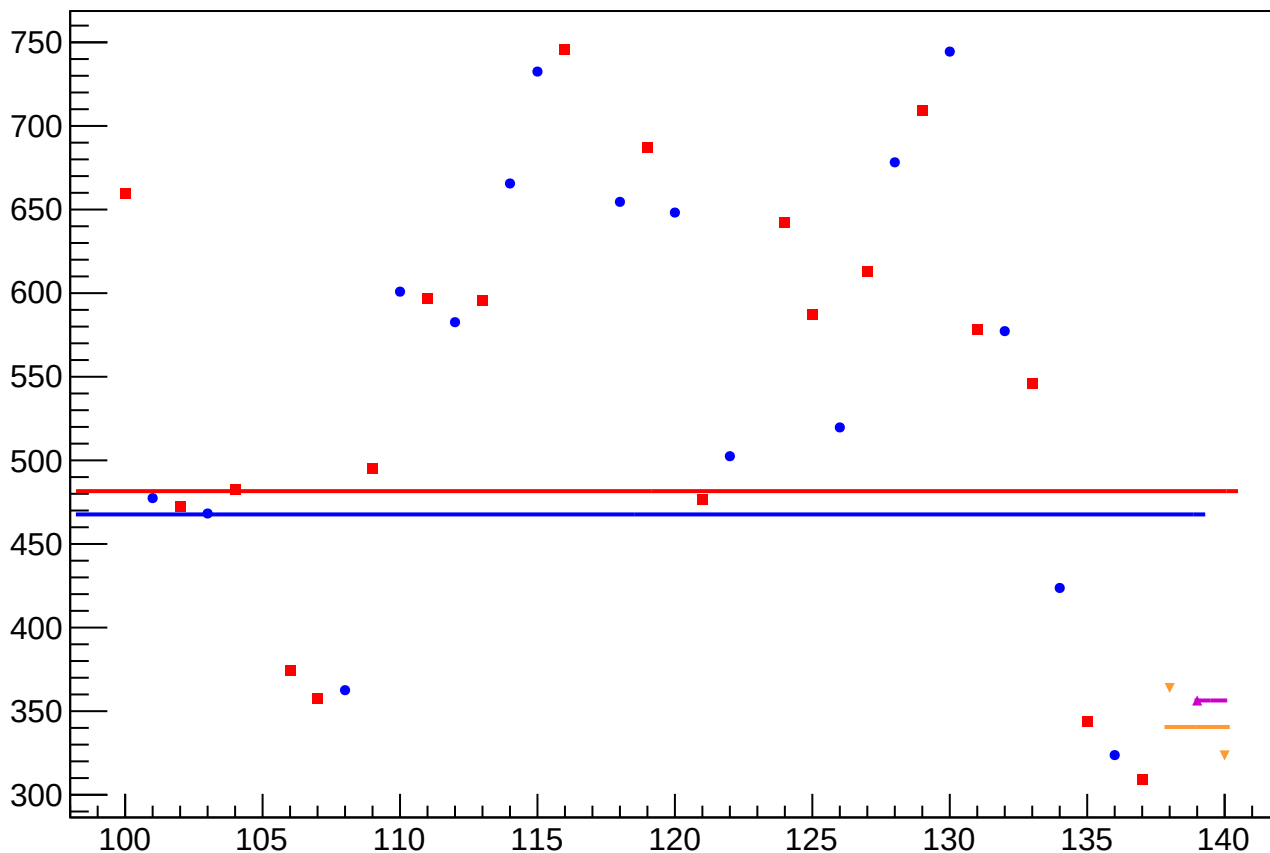
Left In: -76.465 ± 388.103 χ^2/NDF : 0.0/0

+ sign -256.151 ± 149.640 χ^2/NDF : 21.7/17

All: -133.794 ± 110.679 χ^2/NDF : 38.6/37

- sign 13.990 ± 164.455 χ^2/NDF : 15.5/19

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674 $\pm$ 0.128 χ^2 /NDF: 985943.7/15

Left Out: 340.552 $\pm$ 0.190 χ^2 /NDF:11042.9/1

Right Out: 481.599 $\pm$ 0.128 χ^2 /NDF: 854281.1/18

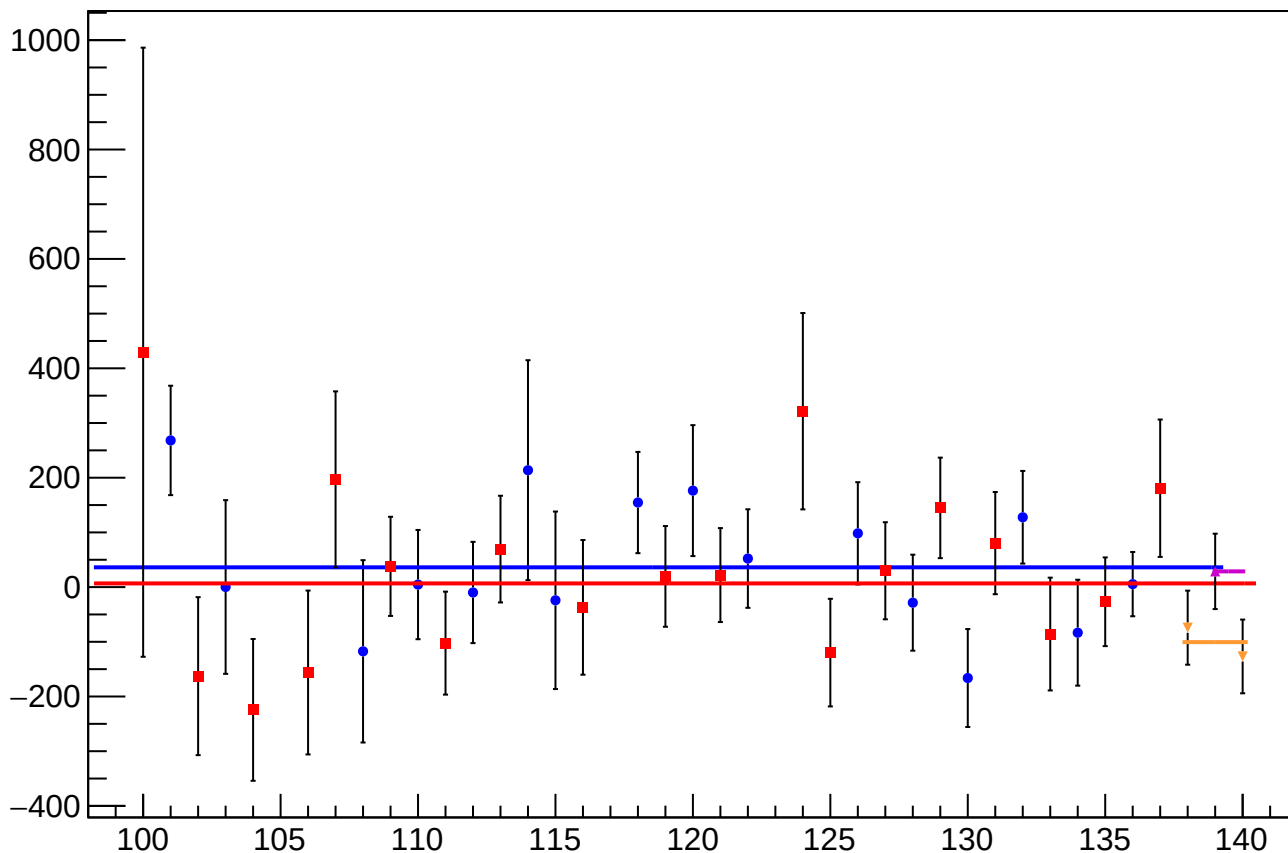
Left In: 356.403 $\pm$ 0.274 χ^2 /NDF:0.0/0

+ sign 428.082 $\pm$ 0.106 χ^2 /NDF: 1306515.4/17

All: 442.140 $\pm$ 0.078 χ^2 /NDF: 2370521.5/37

- sign 459.120 $\pm$ 0.116 χ^2 /NDF: 1025035.3/19

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157 ± 24.471 χ^2/NDF : 19.6/15

Left Out: -100.571 ± 47.766 χ^2/NDF : 0.3/1

Right Out: 6.735 ± 24.565 χ^2/NDF : 20.3/18

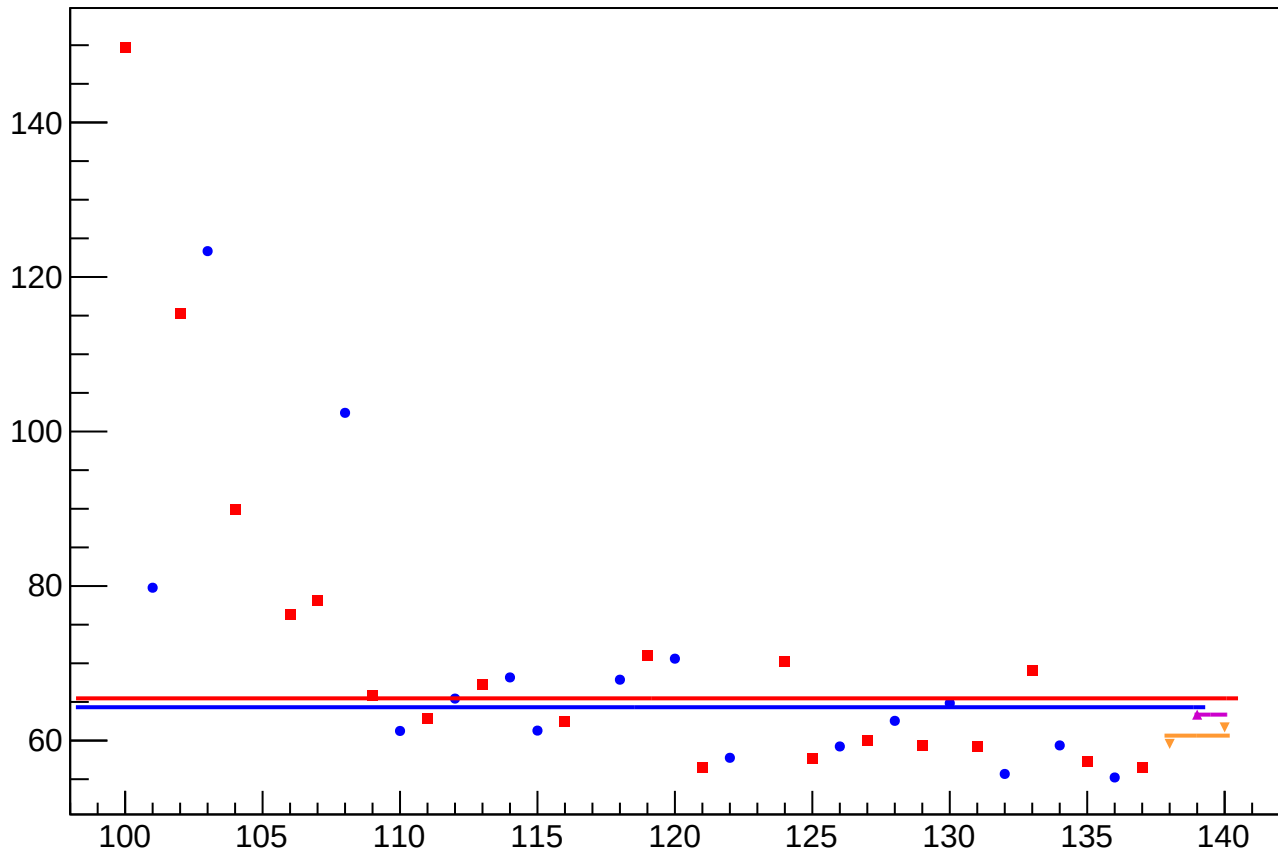
Left In: 28.752 ± 68.911 χ^2/NDF : 0.0/0

+ sign 7.731 ± 21.779 χ^2/NDF : 26.4/17

All: 8.429 ± 15.859 χ^2/NDF : 46.9/37

- sign 9.217 ± 23.139 χ^2/NDF : 20.4/19

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 ± 0.017 $\chi^2/\text{NDF}: 532073.4/15$

Left Out: 60.640 ± 0.034 $\chi^2/\text{NDF}: 995.1/1$

Right Out: 65.466 ± 0.017 $\chi^2/\text{NDF}: 482367.1/18$

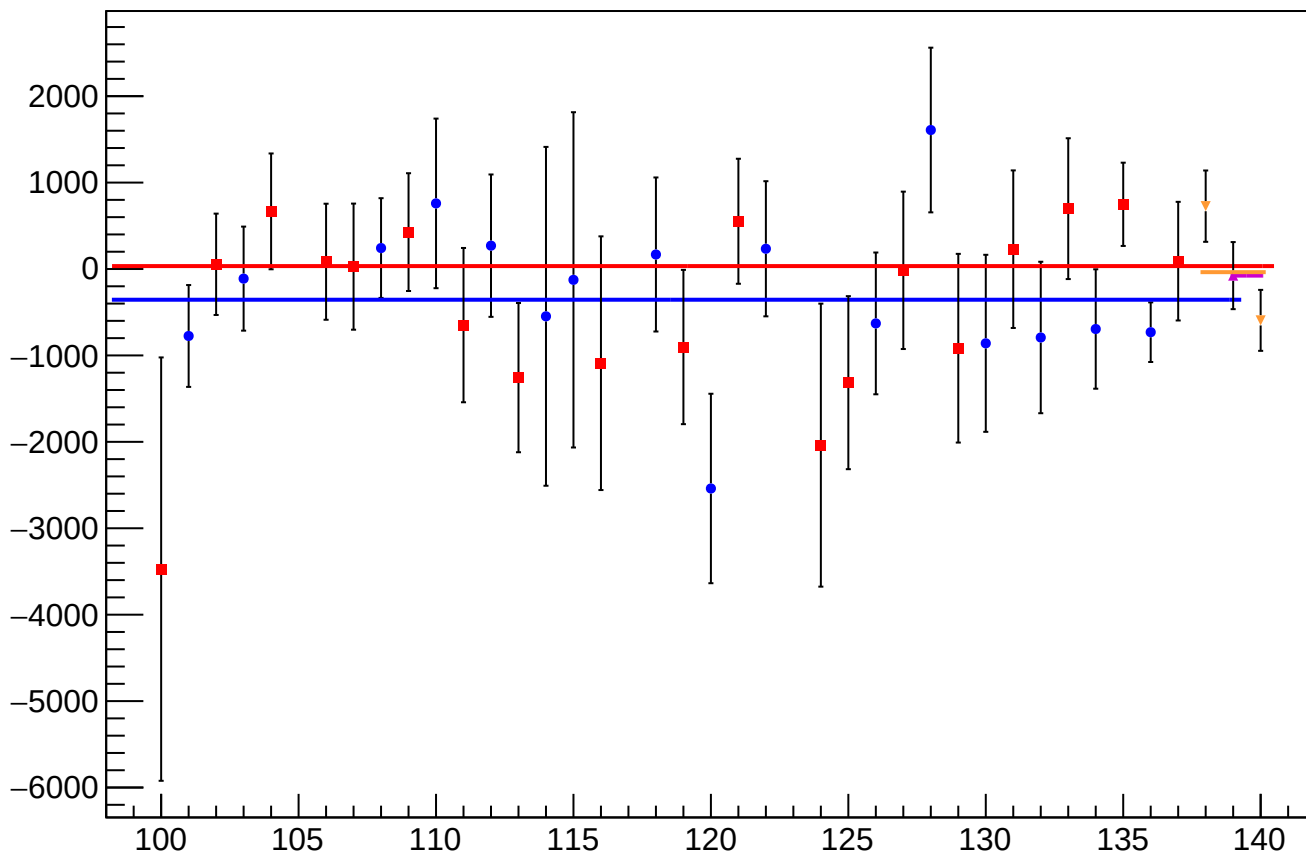
Left In: 63.358 ± 0.049 $\chi^2/\text{NDF}: 0.0/0$

+ sign 63.552 ± 0.015 $\chi^2/\text{NDF}: 542451.1/17$

All: 64.339 ± 0.011 $\chi^2/\text{NDF}: 1032045.0/37$

- sign 65.228 ± 0.016 $\chi^2/\text{NDF}: 484028.0/19$

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -355.529 $\pm$ 180.334 χ^2 /NDF: 14.8/15

Left Out: -36.447 $\pm$ 268.136 χ^2 /NDF:5.9/1

Right Out: 33.787 $\pm$ 181.560 χ^2 /NDF: 15.4/18

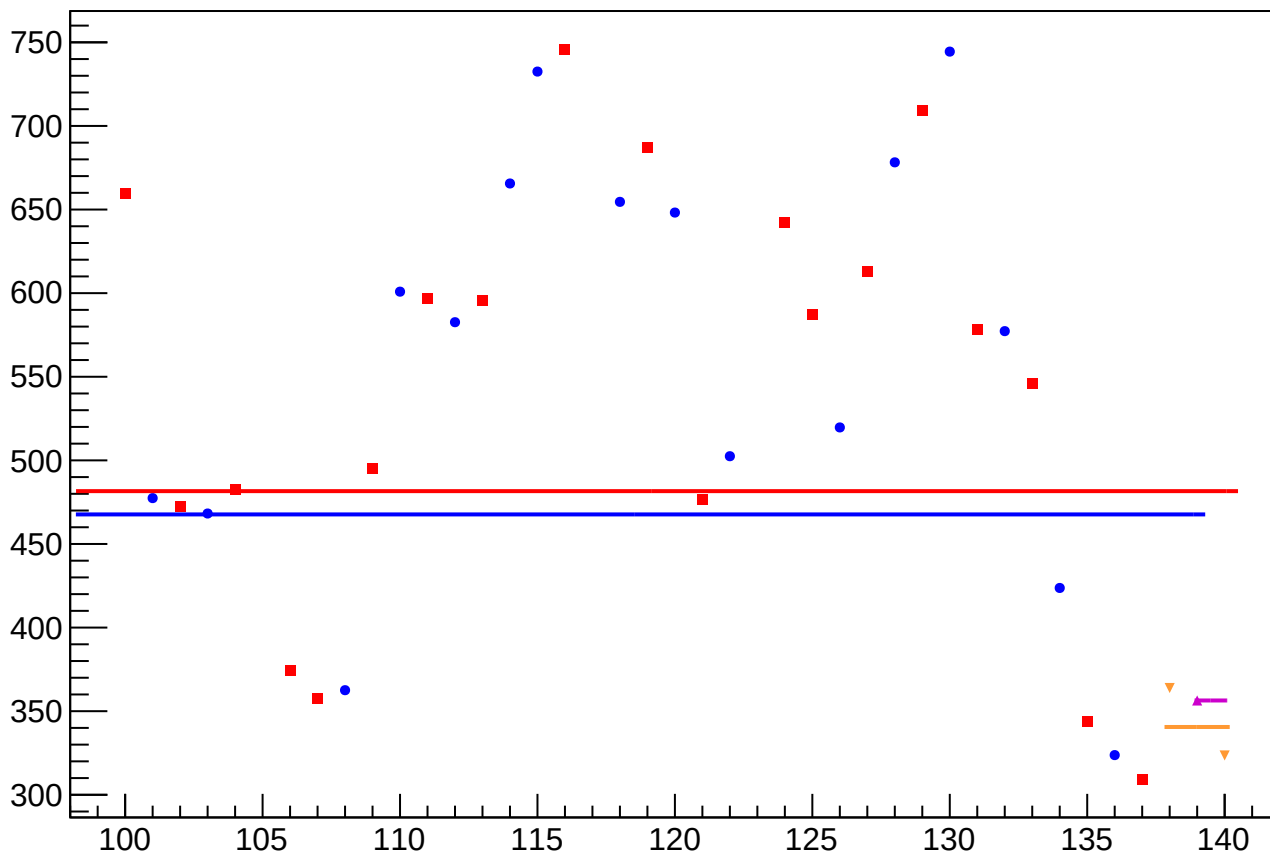
Left In: -76.465 $\pm$ 388.104 χ^2 /NDF:0.0/0

+ sign -256.152 $\pm$ 149.640 χ^2 /NDF: 21.7/17

All: -133.794 $\pm$ 110.679 χ^2 /NDF: 38.6/37

- sign 13.991 $\pm$ 164.455 χ^2 /NDF: 15.5/19

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674 $\pm$ 0.128 χ^2/NDF : 985945.4/15

Left Out: 340.553 $\pm$ 0.190 χ^2/NDF : 11043.4/1

Right Out: 481.599 $\pm$ 0.128 χ^2/NDF : 854281.0/18

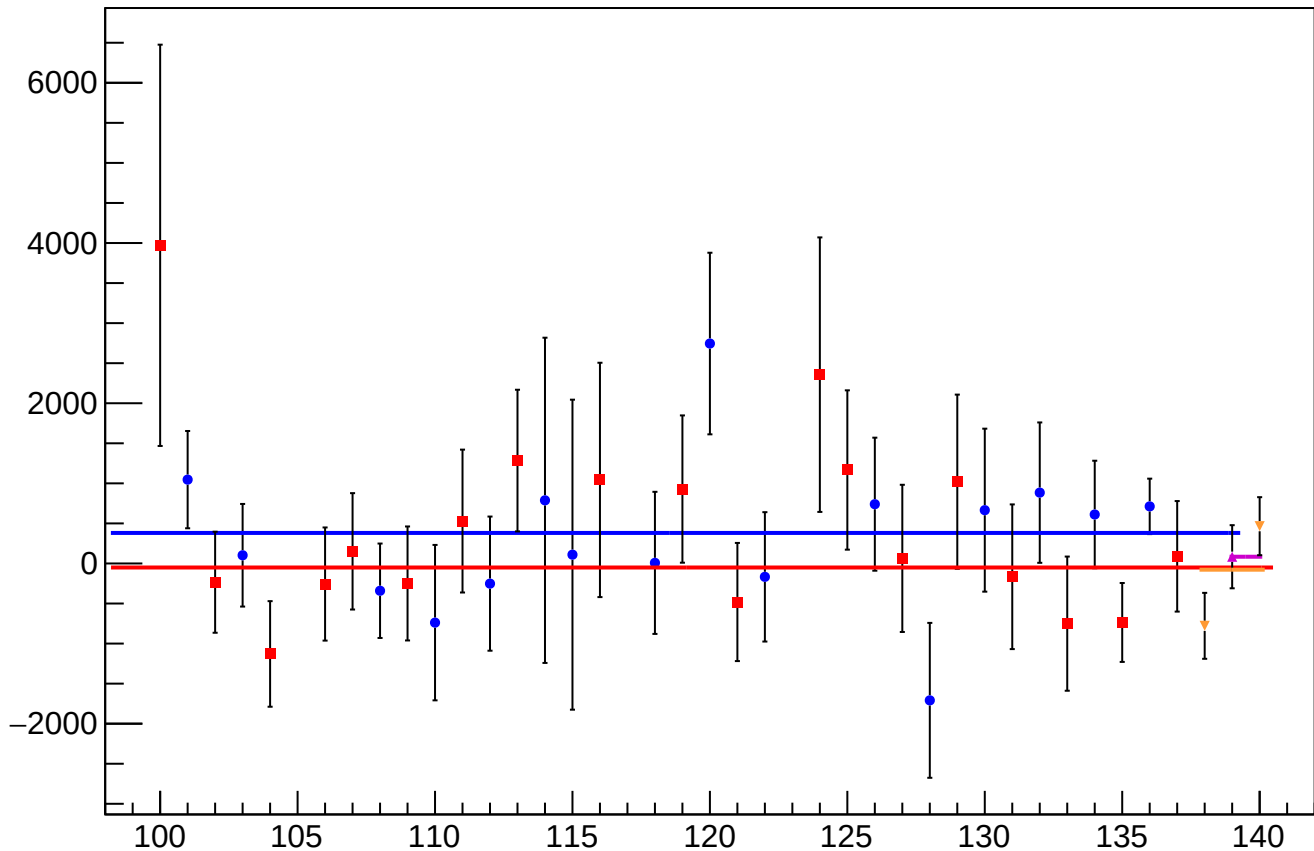
Left In: 356.403 $\pm$ 0.274 χ^2/NDF : 0.0/0

+ sign 428.082 $\pm$ 0.106 χ^2/NDF : 1306510.6/17

All: 442.140 $\pm$ 0.078 χ^2/NDF : 2370510.6/37

- sign 459.119 $\pm$ 0.116 χ^2/NDF : 1025030.1/19

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086 ± 182.655 χ^2/NDF : 16.1/15

Left Out: -77.704 ± 271.949 χ^2/NDF : 5.1/1

Right Out: -50.392 ± 185.262 χ^2/NDF : 17.5/18

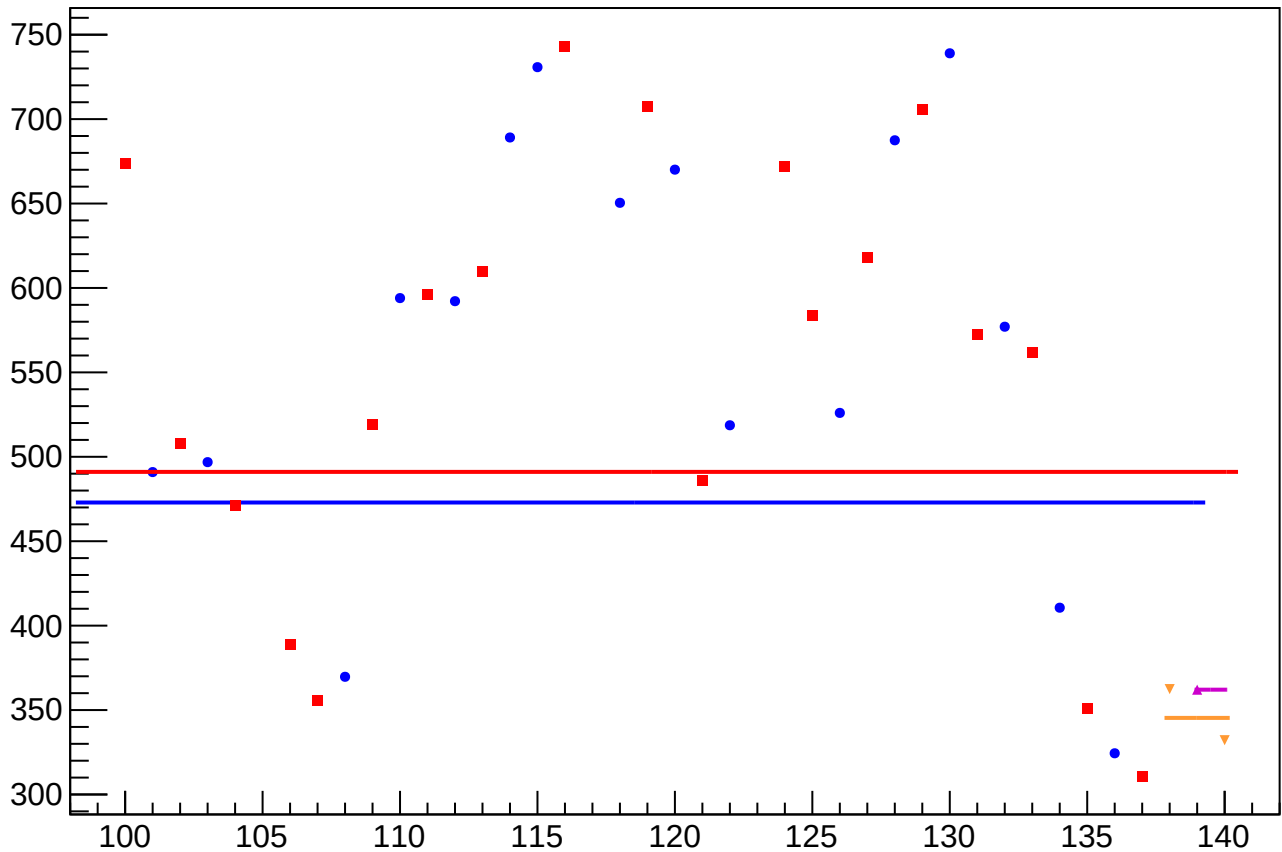
Left In: 84.006 ± 393.991 χ^2/NDF : 0.0/0

+ sign 238.459 ± 151.629 χ^2/NDF : 23.3/17

All: 119.443 ± 112.457 χ^2/NDF : 42.2/37

- sign -26.057 ± 167.652 χ^2/NDF : 17.6/19

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924 $\pm$ 0.129 χ^2 /NDF: 1000274.3/15

Left Out: 345.355 $\pm$ 0.192 χ^2 /NDF:6095.0/1

Right Out: 491.063 $\pm$ 0.131 χ^2 /NDF: 847493.6/18

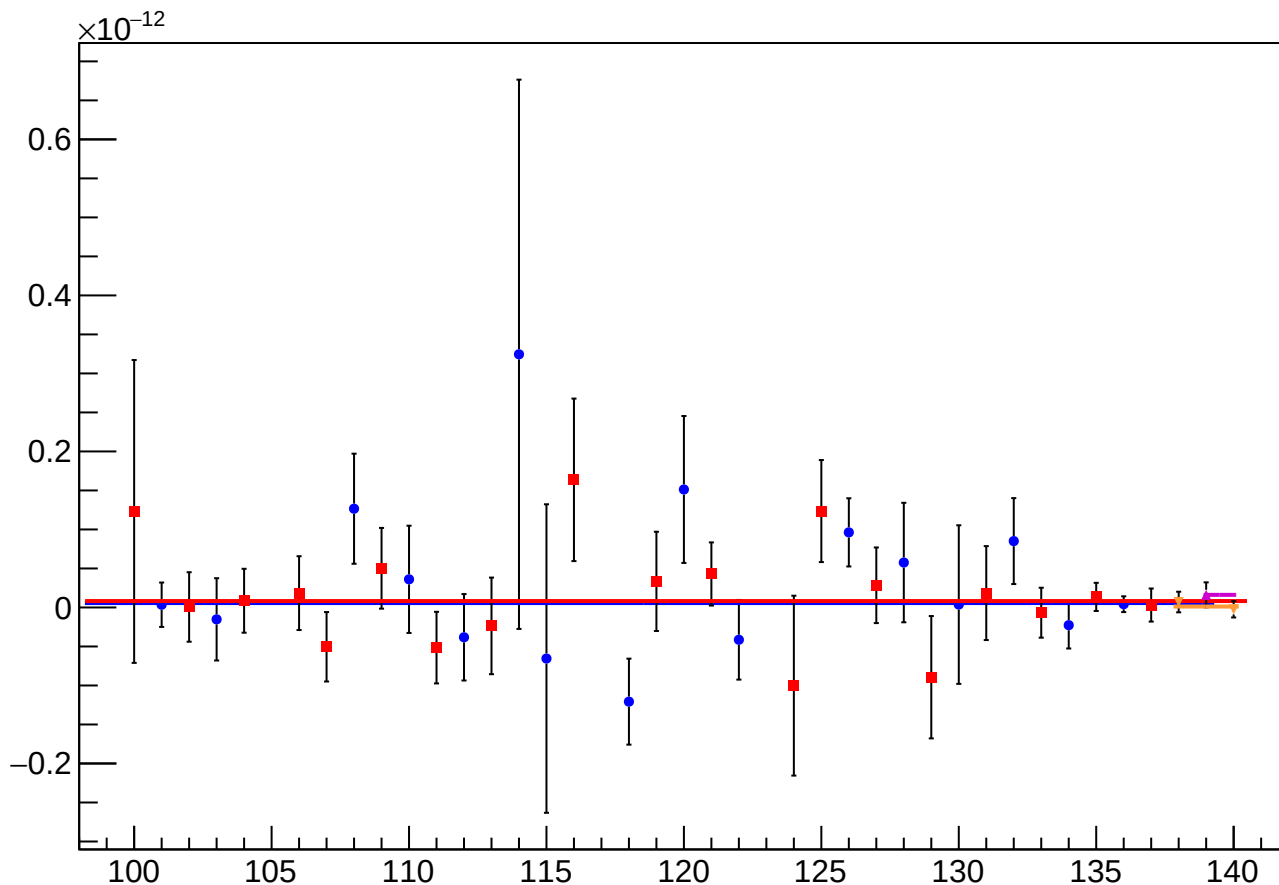
Left In: 362.071 $\pm$ 0.279 χ^2 /NDF:0.0/0

+ sign 433.266 $\pm$ 0.107 χ^2 /NDF: 1309652.2/17

All: 448.762 $\pm$ 0.080 χ^2 /NDF: 2379132.2/37

- sign 467.706 $\pm$ 0.119 χ^2 /NDF: 1023054.7/19

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/18

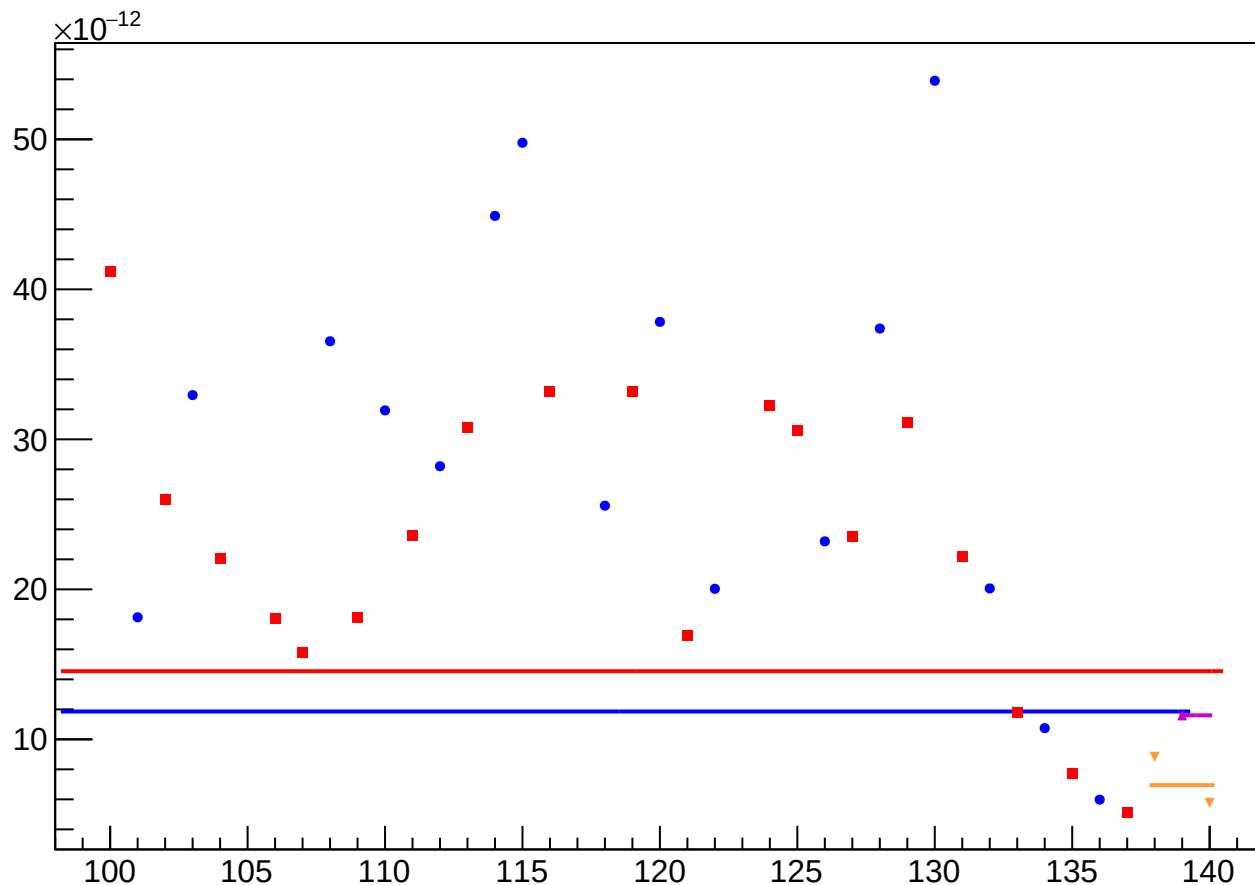
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/19

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 66442.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1769864.5/18

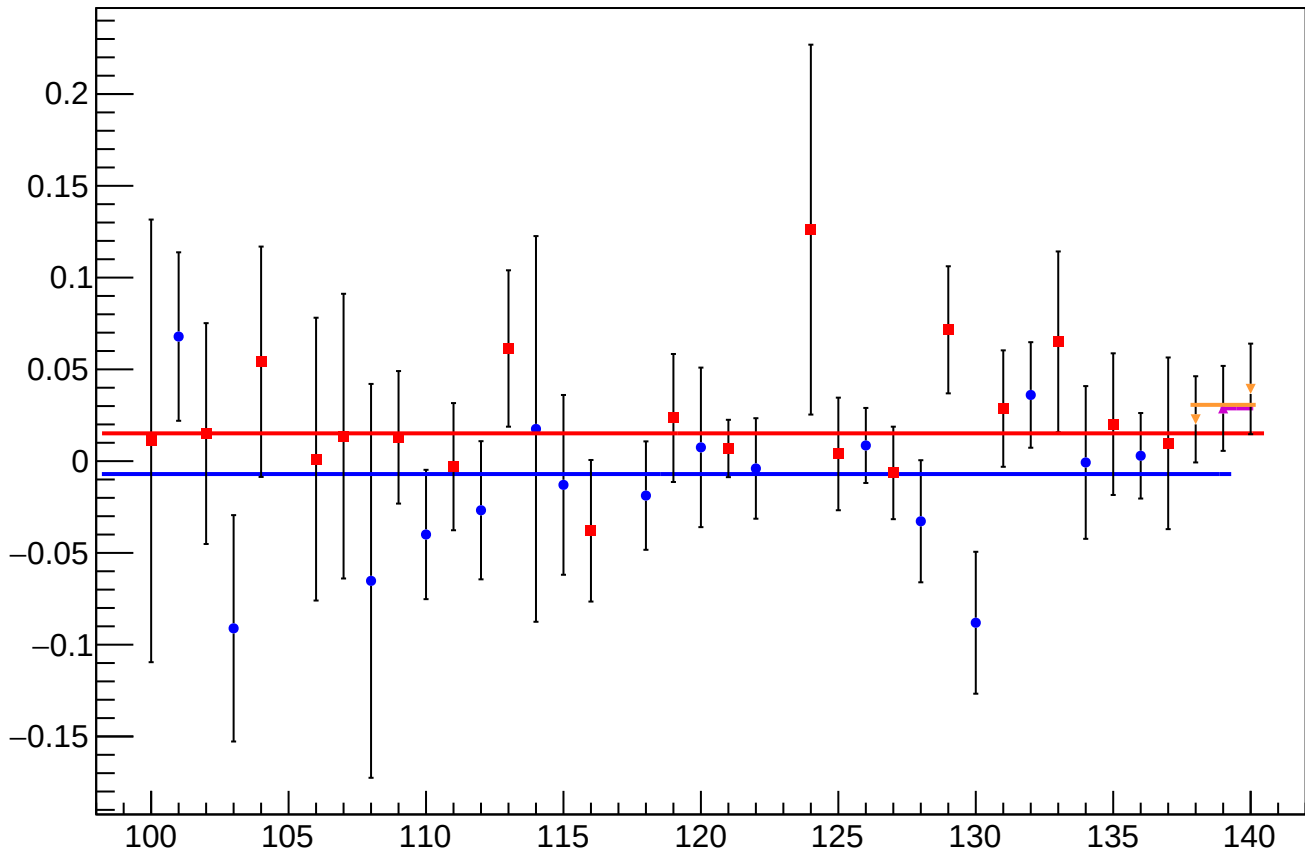
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3278346.0/17

All: 0.000+/-0.000 χ^2/NDF : 5490656.0/37

- sign 0.000+/-0.000 χ^2/NDF : 1820402.9/19

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 0.031 ± 0.017 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 0.015 ± 0.008 $\chi^2/\text{NDF}: 10.1/18$

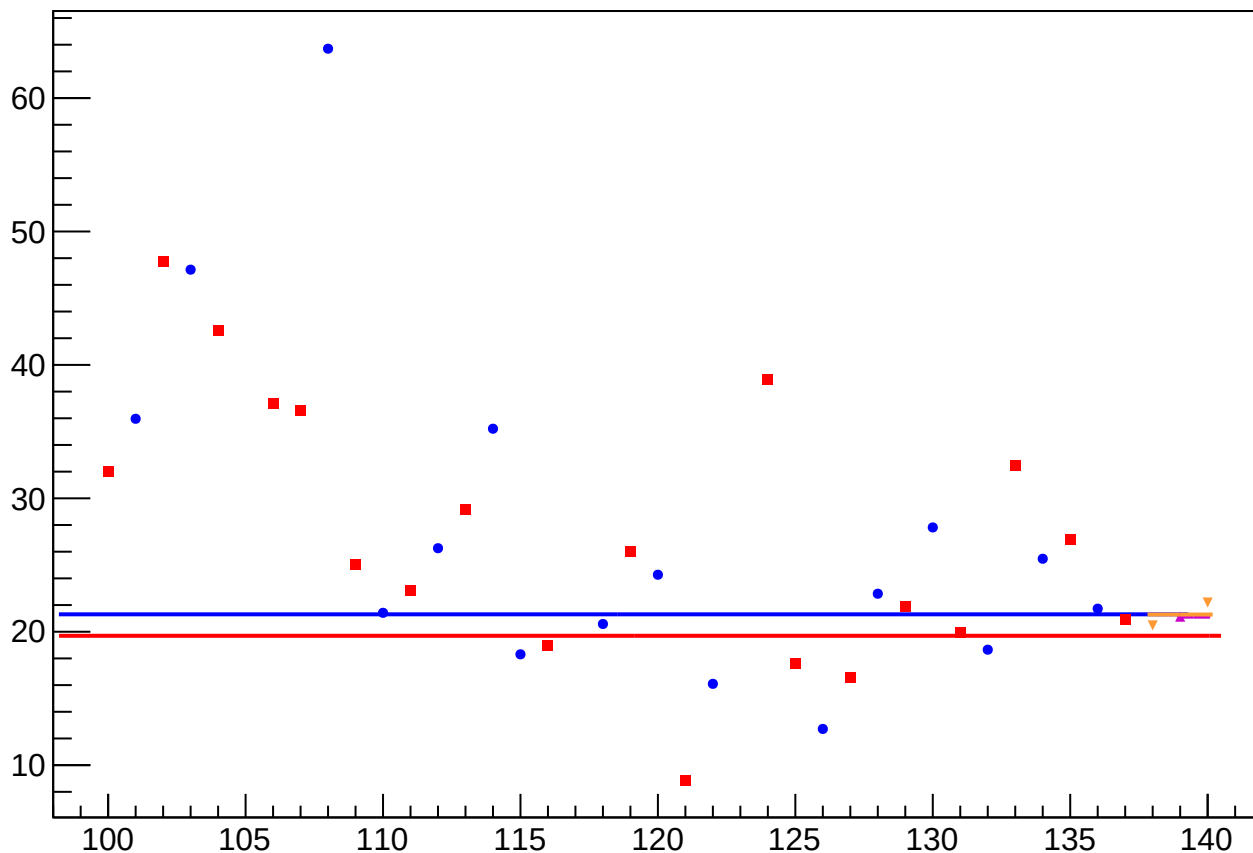
Left In: 0.029 ± 0.023 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 18.5/17$

All: 0.009 ± 0.005 $\chi^2/\text{NDF}: 31.0/37$

- sign 0.017 ± 0.008 $\chi^2/\text{NDF}: 10.4/19$

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305 $\pm$ 0.006 χ^2 /NDF: 1479398.3/15

Left Out: 21.290 $\pm$ 0.012 χ^2 /NDF: 5075.2/1

Right Out: 19.697 $\pm$ 0.006 χ^2 /NDF: 2438979.3/18

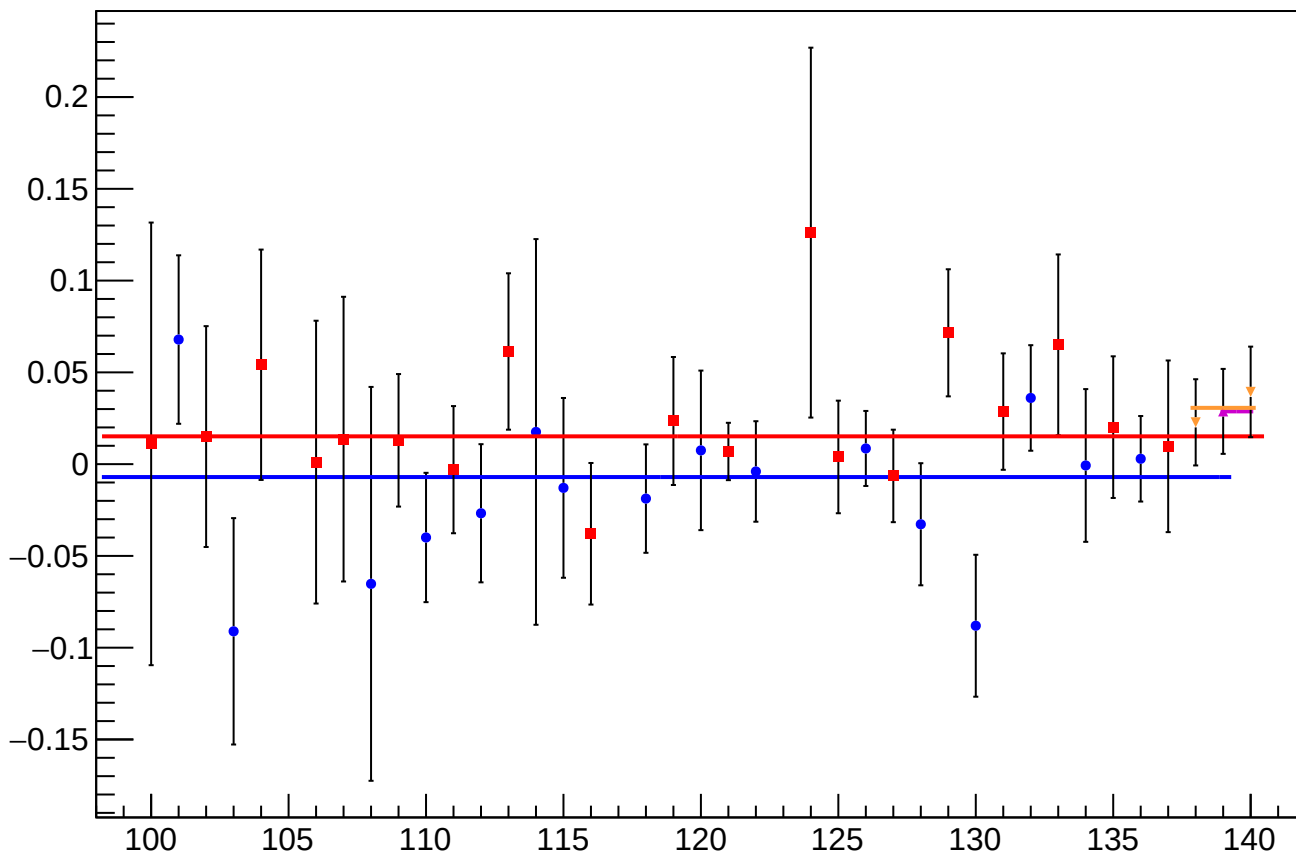
Left In: 21.130 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 21.302 $\pm$ 0.005 χ^2 /NDF: 1484474.8/17

All: 20.585 $\pm$ 0.004 χ^2 /NDF: 3965273.1/37

- sign 19.858 $\pm$ 0.005 χ^2 /NDF: 2445788.5/19

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 0.031 ± 0.017 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 0.015 ± 0.008 $\chi^2/\text{NDF}: 10.1/18$

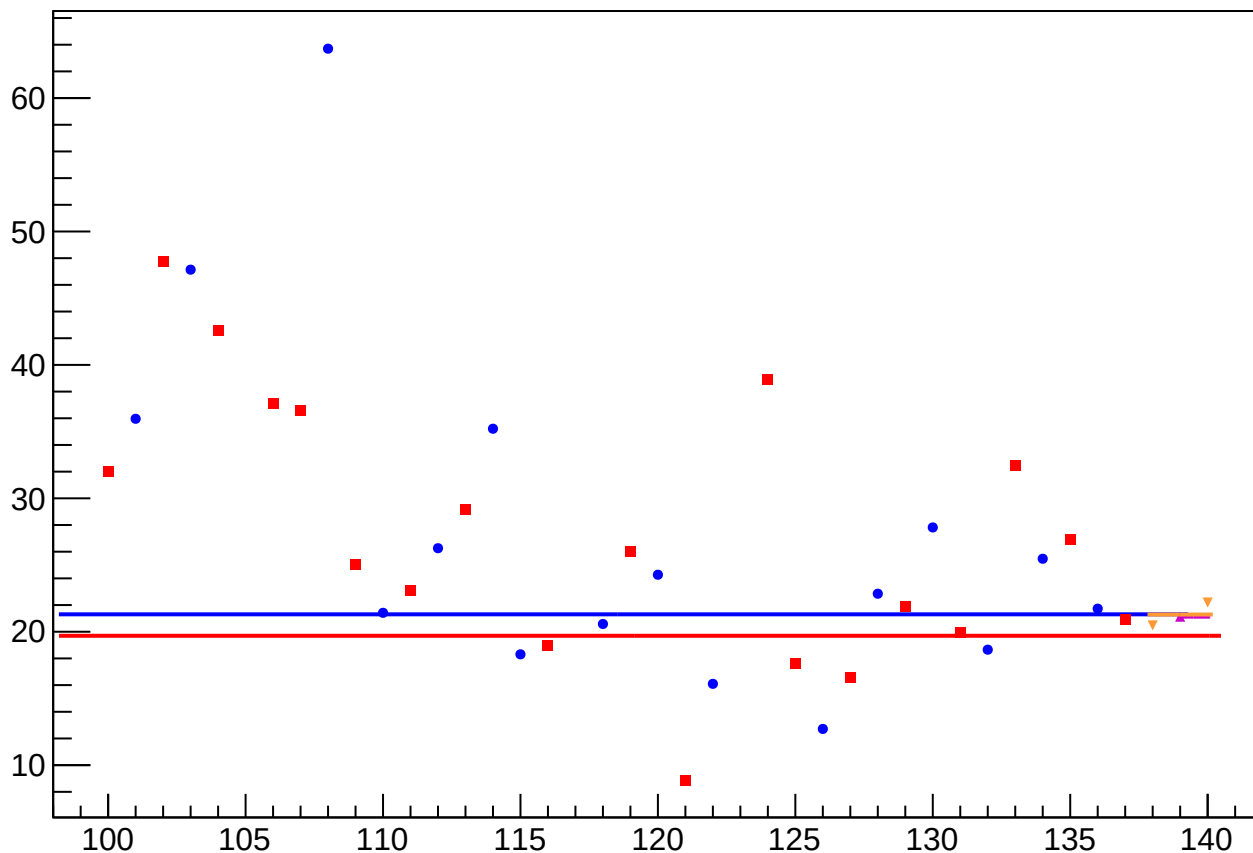
Left In: 0.029 ± 0.023 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 18.5/17$

All: 0.009 ± 0.005 $\chi^2/\text{NDF}: 31.0/37$

- sign 0.017 ± 0.008 $\chi^2/\text{NDF}: 10.4/19$

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.305 $\pm$ 0.006 χ^2 /NDF: 1479398.3/15

Left Out: 21.290 $\pm$ 0.012 χ^2 /NDF: 5075.2/1

Right Out: 19.697 $\pm$ 0.006 χ^2 /NDF: 2438979.3/18

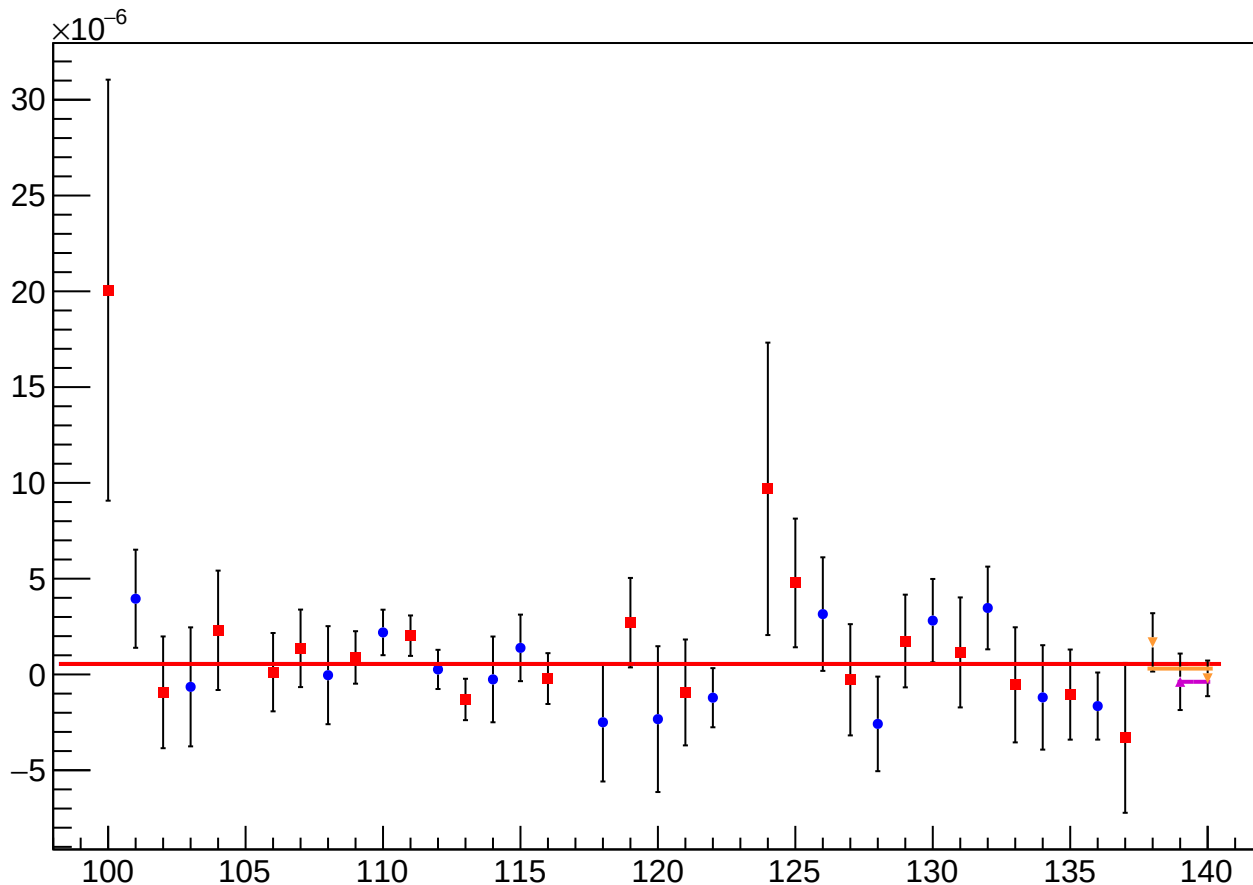
Left In: 21.130 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 21.302 $\pm$ 0.005 χ^2 /NDF: 1484474.8/17

All: 20.585 $\pm$ 0.004 χ^2 /NDF: 3965273.1/37

- sign 19.858 $\pm$ 0.005 χ^2 /NDF: 2445788.5/19

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 14.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 15.3/18

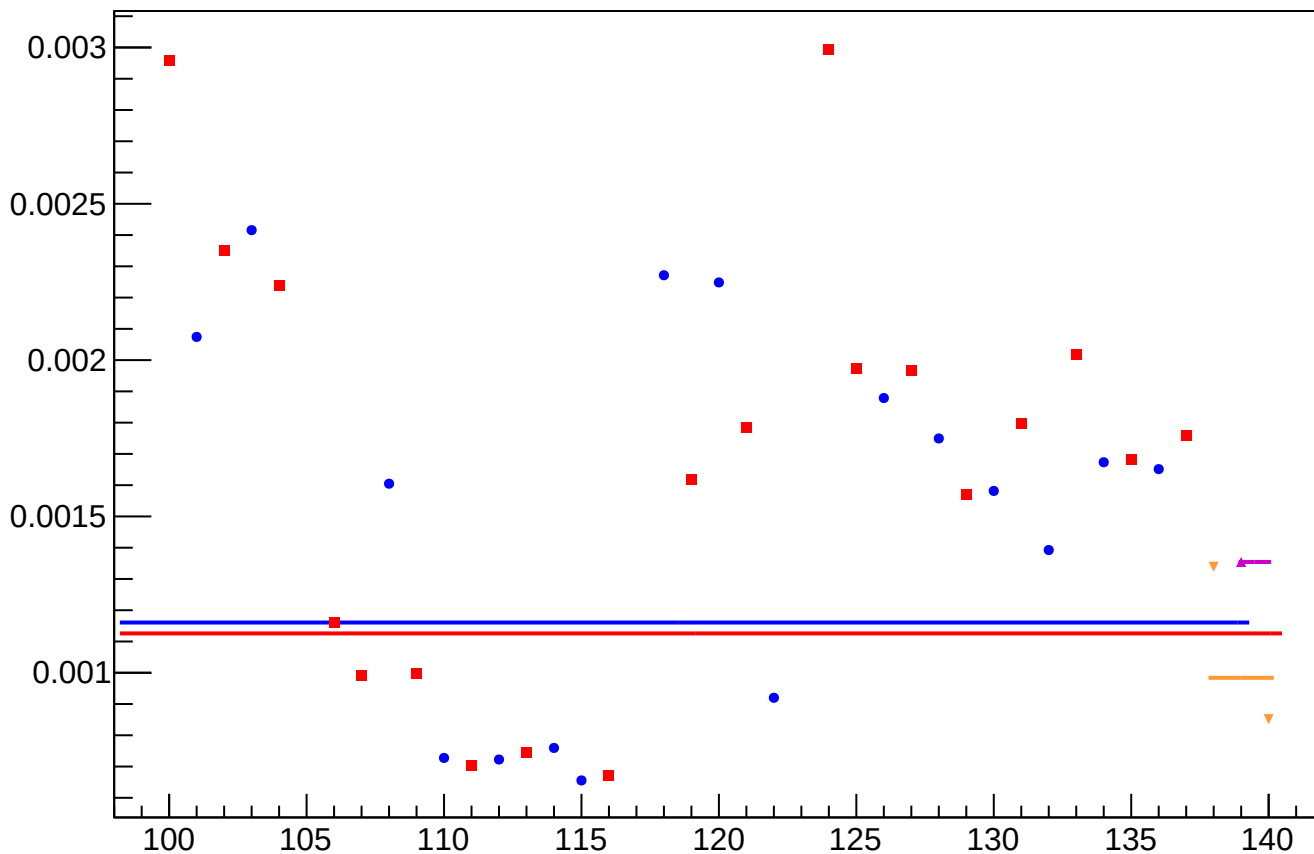
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 15.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 31.3/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15.7/19

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF :149435.1/1

Right Out: 0.001+/-0.000 χ^2/NDF : 2623987.9/18

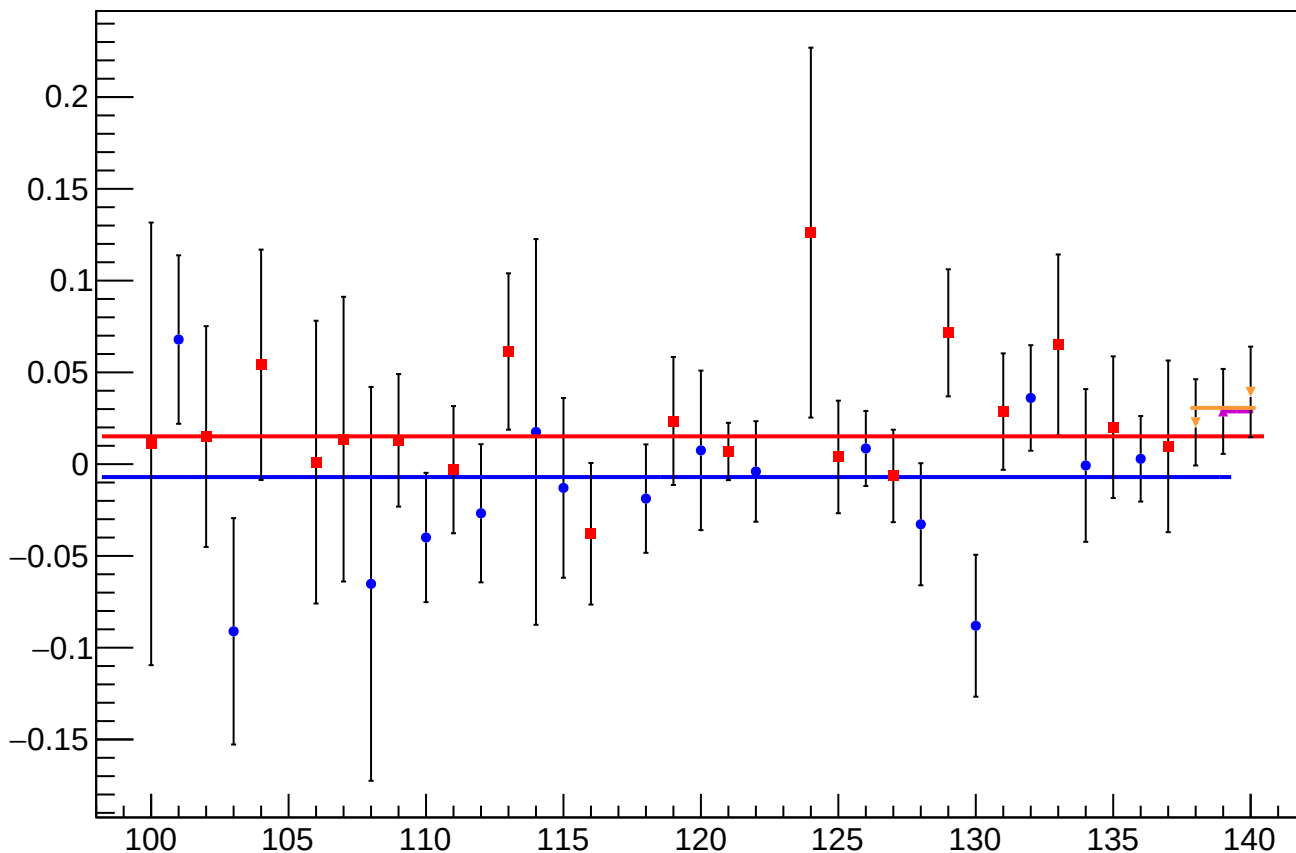
Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 2756831.8/17

All: 0.001+/-0.000 χ^2/NDF : 5430534.6/37

- sign 0.001+/-0.000 χ^2/NDF : 2667833.0/19

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 χ^2/NDF : 14.3/15

Left Out: 0.031 ± 0.017 χ^2/NDF : 0.2/1

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

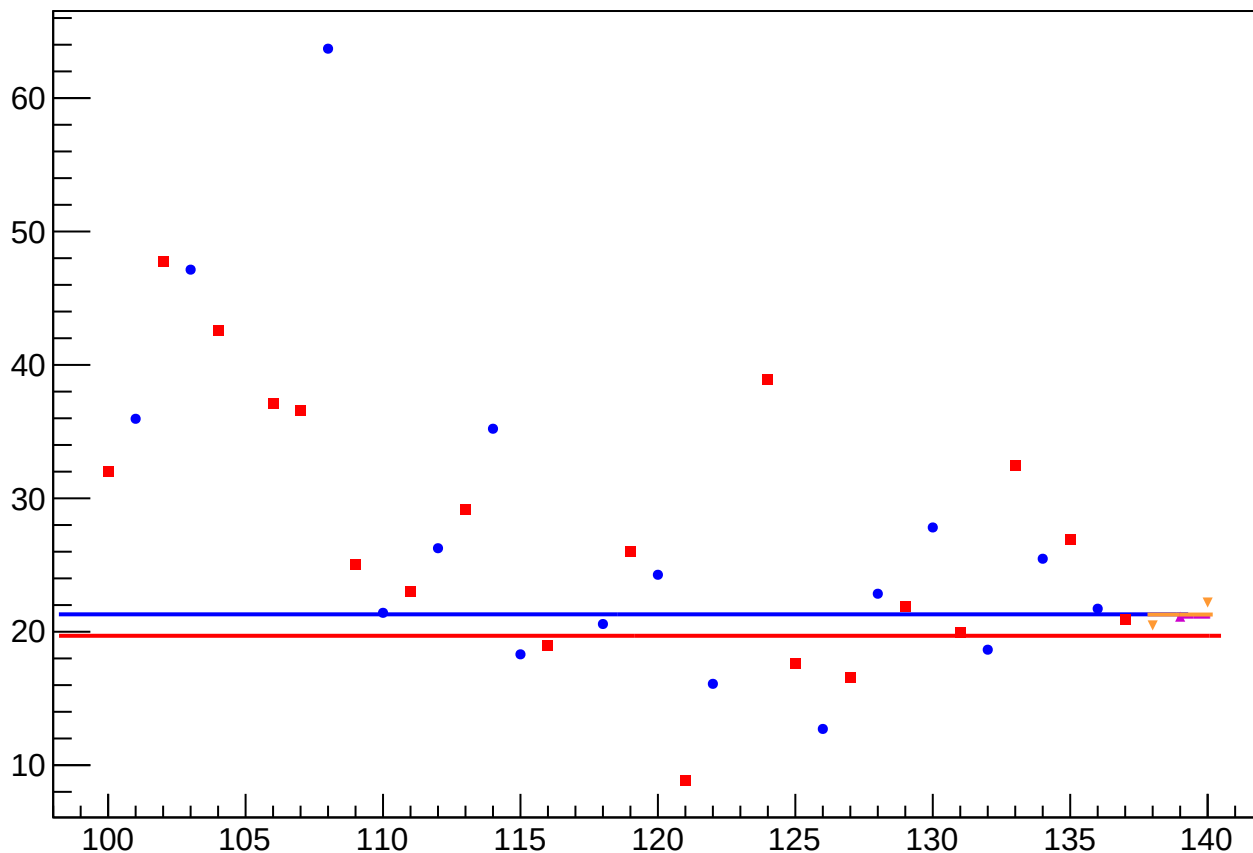
Left In: 0.029 ± 0.023 χ^2/NDF : 0.0/0

+ sign 0.001 ± 0.008 χ^2/NDF : 18.5/17

All: 0.009 ± 0.005 χ^2/NDF : 31.0/37

- sign 0.017 ± 0.008 χ^2/NDF : 10.4/19

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.306 $\pm$ 0.006 χ^2 /NDF: 1479231.5/15

Left Out: 21.290 $\pm$ 0.012 χ^2 /NDF: 5075.2/1

Right Out: 19.698 $\pm$ 0.006 χ^2 /NDF: 2438612.4/18

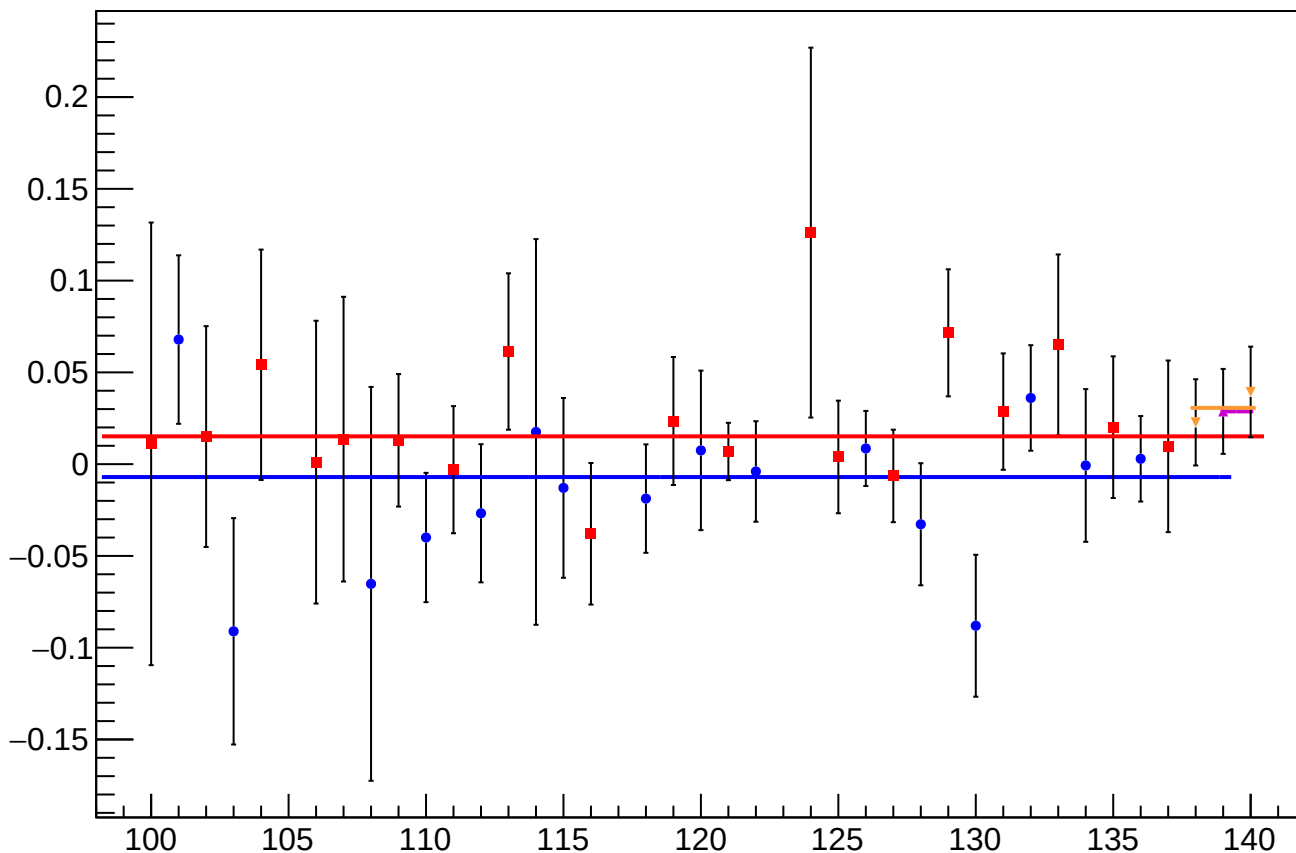
Left In: 21.130 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 21.302 $\pm$ 0.005 χ^2 /NDF: 1484307.9/17

All: 20.586 $\pm$ 0.004 χ^2 /NDF: 3964720.8/37

- sign 19.858 $\pm$ 0.005 χ^2 /NDF: 2445417.2/19

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 χ^2/NDF : 14.3/15

Left Out: 0.031 ± 0.017 χ^2/NDF : 0.2/1

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

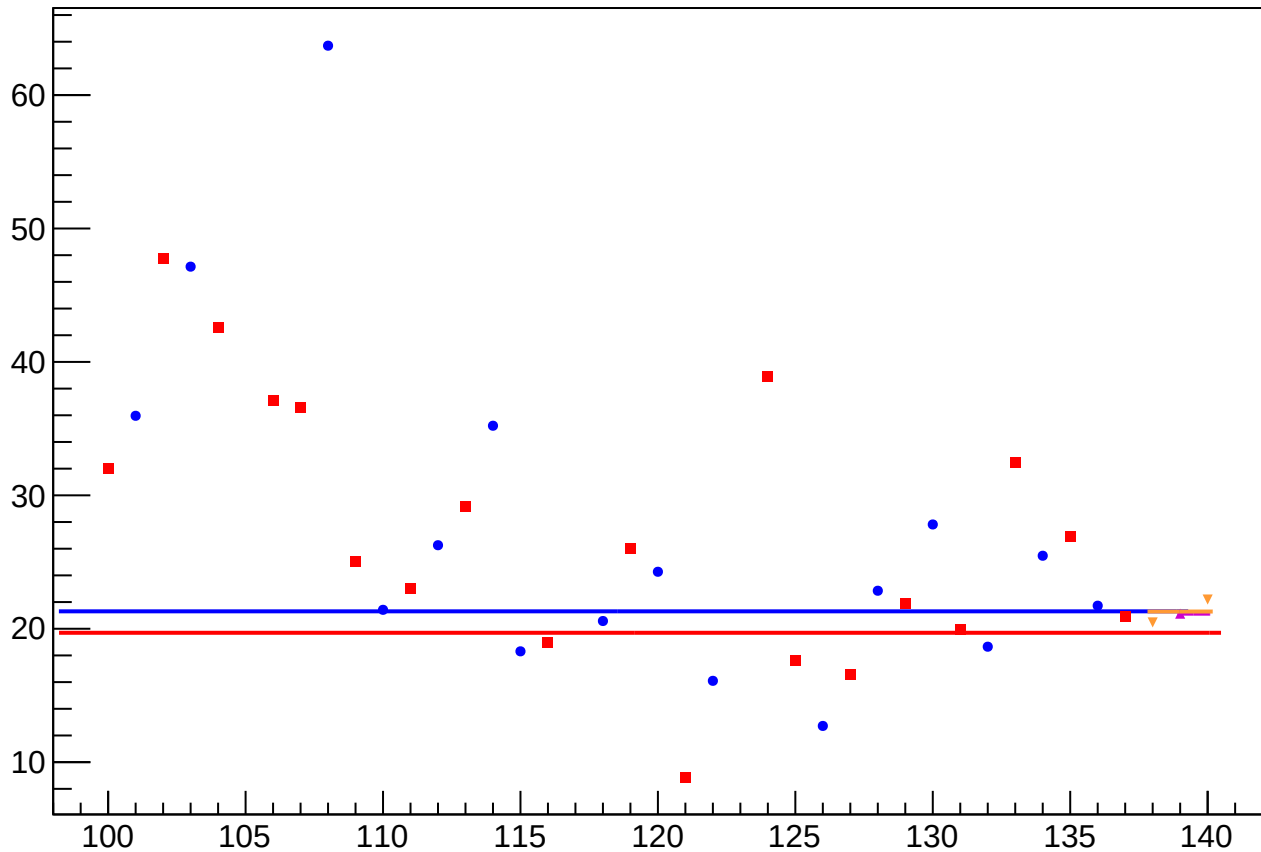
Left In: 0.029 ± 0.023 χ^2/NDF : 0.0/0

+ sign 0.001 ± 0.008 χ^2/NDF : 18.5/17

All: 0.009 ± 0.005 χ^2/NDF : 31.0/37

- sign 0.017 ± 0.008 χ^2/NDF : 10.4/19

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.306 $\pm$ 0.006 χ^2 /NDF: 1479231.5/15

Left Out: 21.290 $\pm$ 0.012 χ^2 /NDF: 5075.2/1

Right Out: 19.698 $\pm$ 0.006 χ^2 /NDF: 2438612.4/18

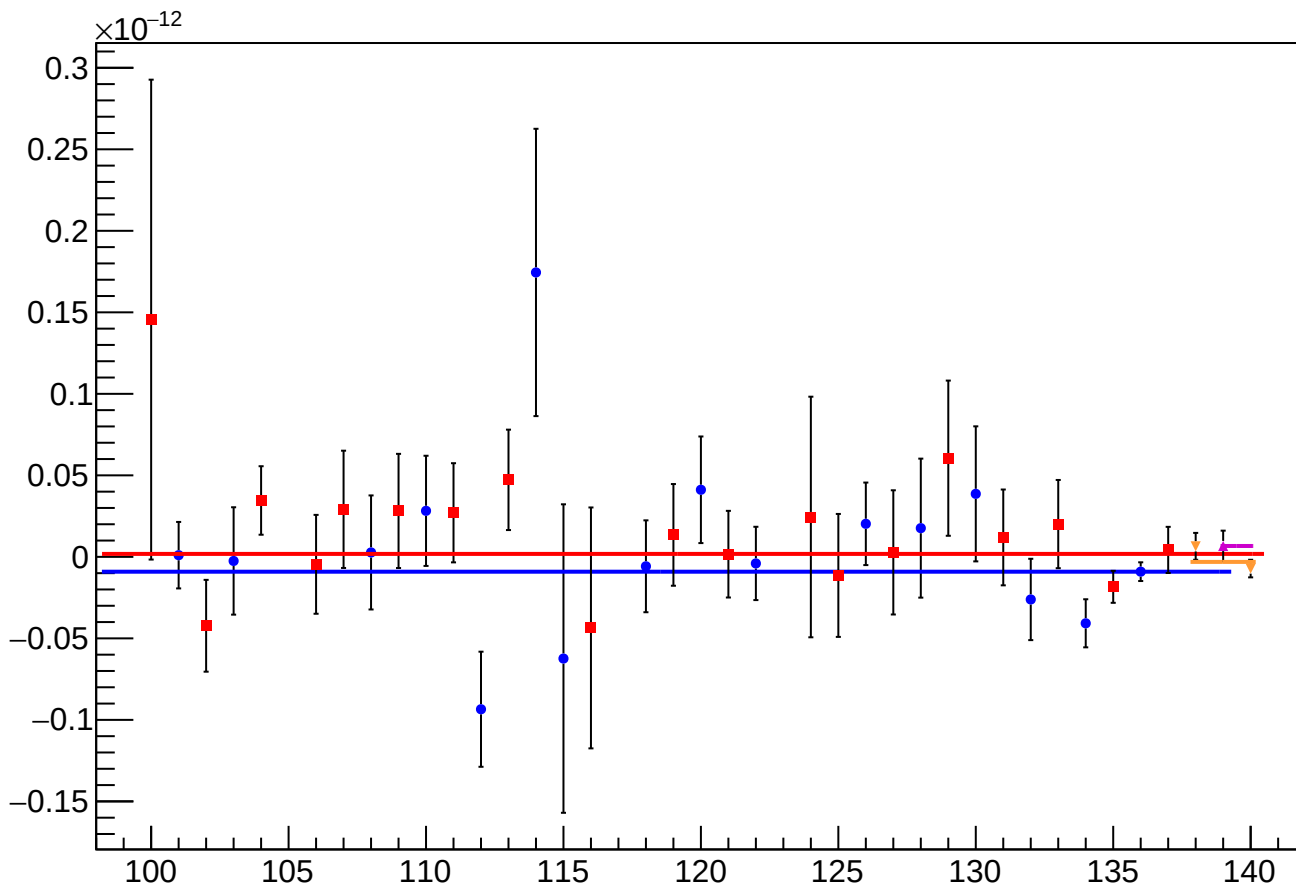
Left In: 21.130 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 21.302 $\pm$ 0.005 χ^2 /NDF: 1484307.9/17

All: 20.586 $\pm$ 0.004 χ^2 /NDF: 3964720.8/37

- sign 19.858 $\pm$ 0.005 χ^2 /NDF: 2445417.2/19

asym_sam_13_57_dd_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 : 1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 17.0/18

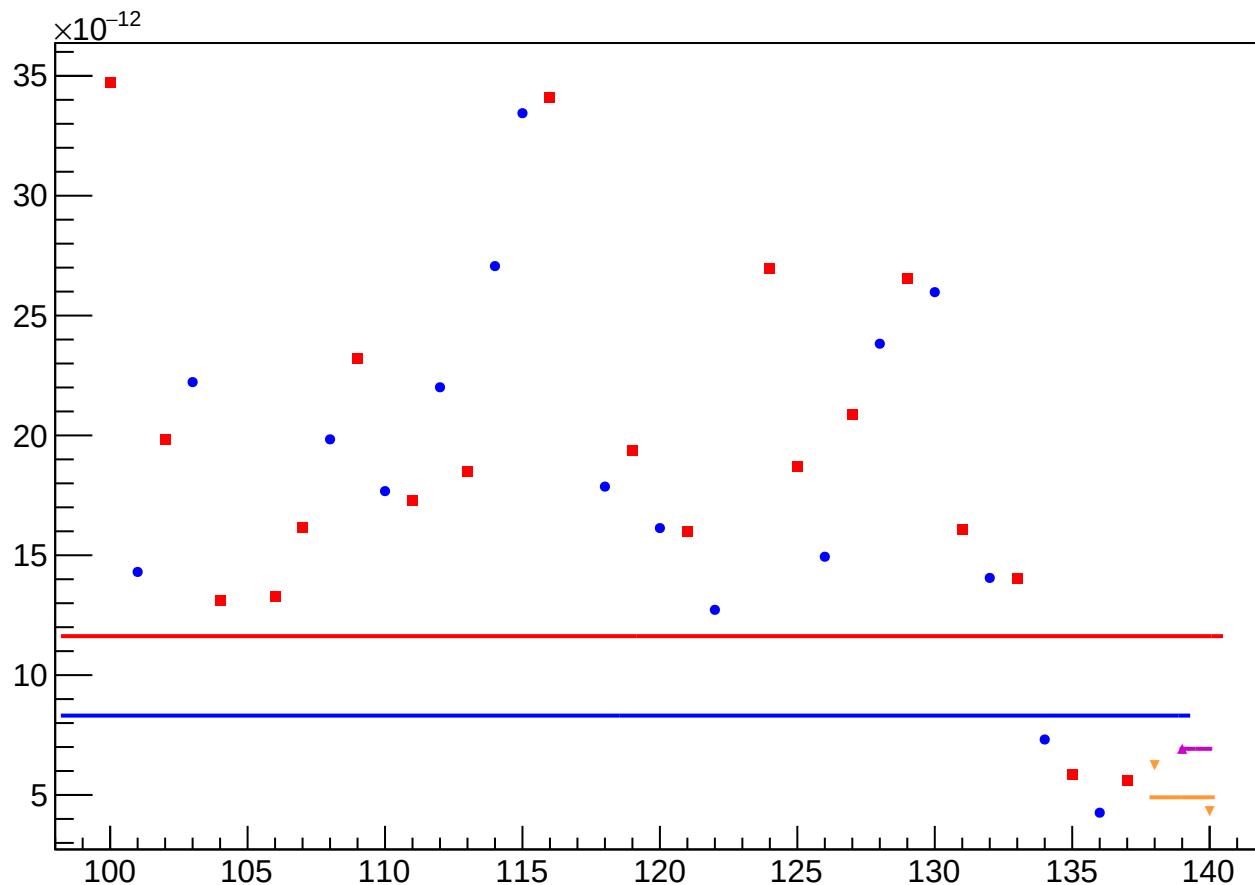
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 25.4/17

All: -0.000+/-0.000 χ^2/NDF : 45.1/37

- sign 0.000+/-0.000 χ^2/NDF : 17.2/19

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 75700.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2610908.4/18

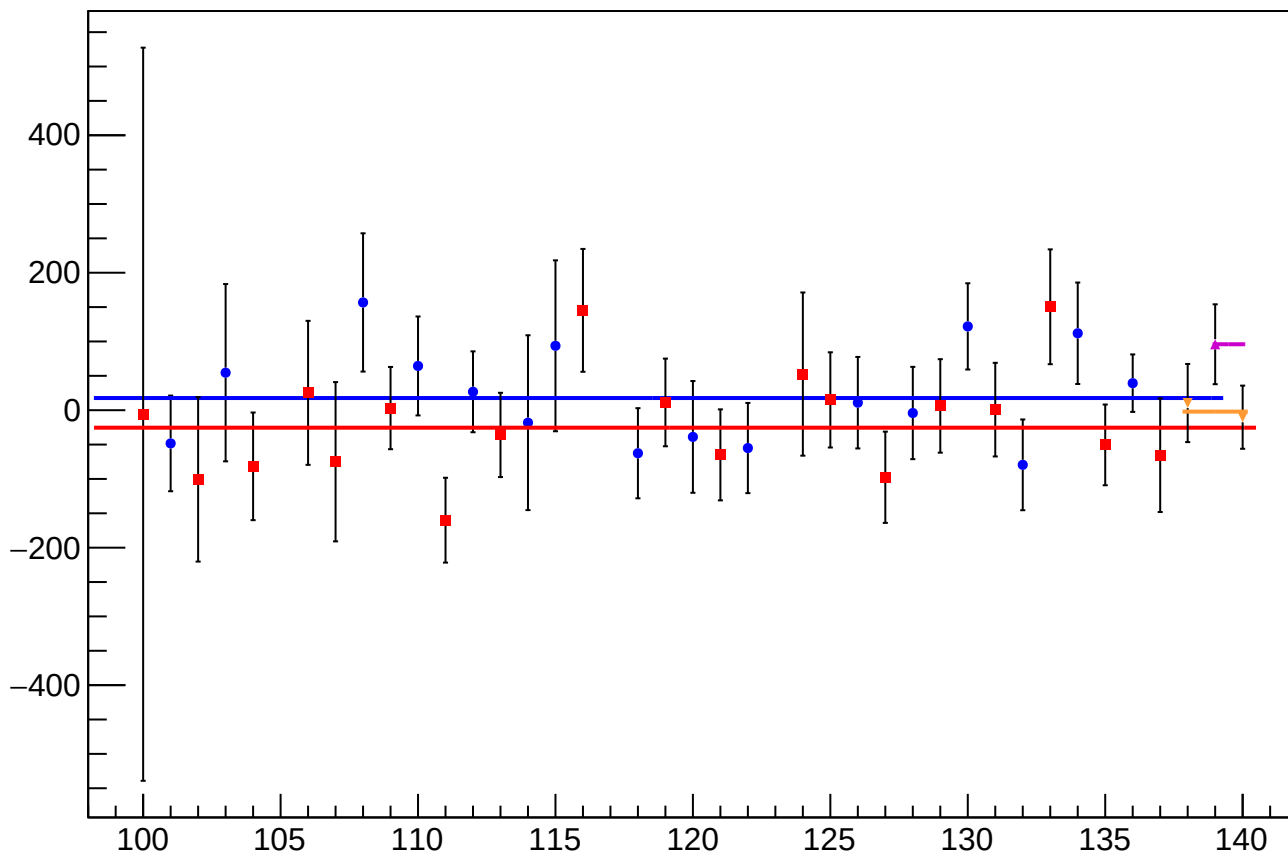
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4380508.0/17

All: 0.000+/-0.000 χ^2/NDF : 8190879.6/37

- sign 0.000+/-0.000 χ^2/NDF : 2977089.7/19

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701 $\pm$ 17.470 χ^2 /NDF: 13.9/15

Left Out: -2.044 $\pm$ 35.735 χ^2 /NDF: 0.1/1

Right Out: -25.440 $\pm$ 17.337 χ^2 /NDF: 17.8/18

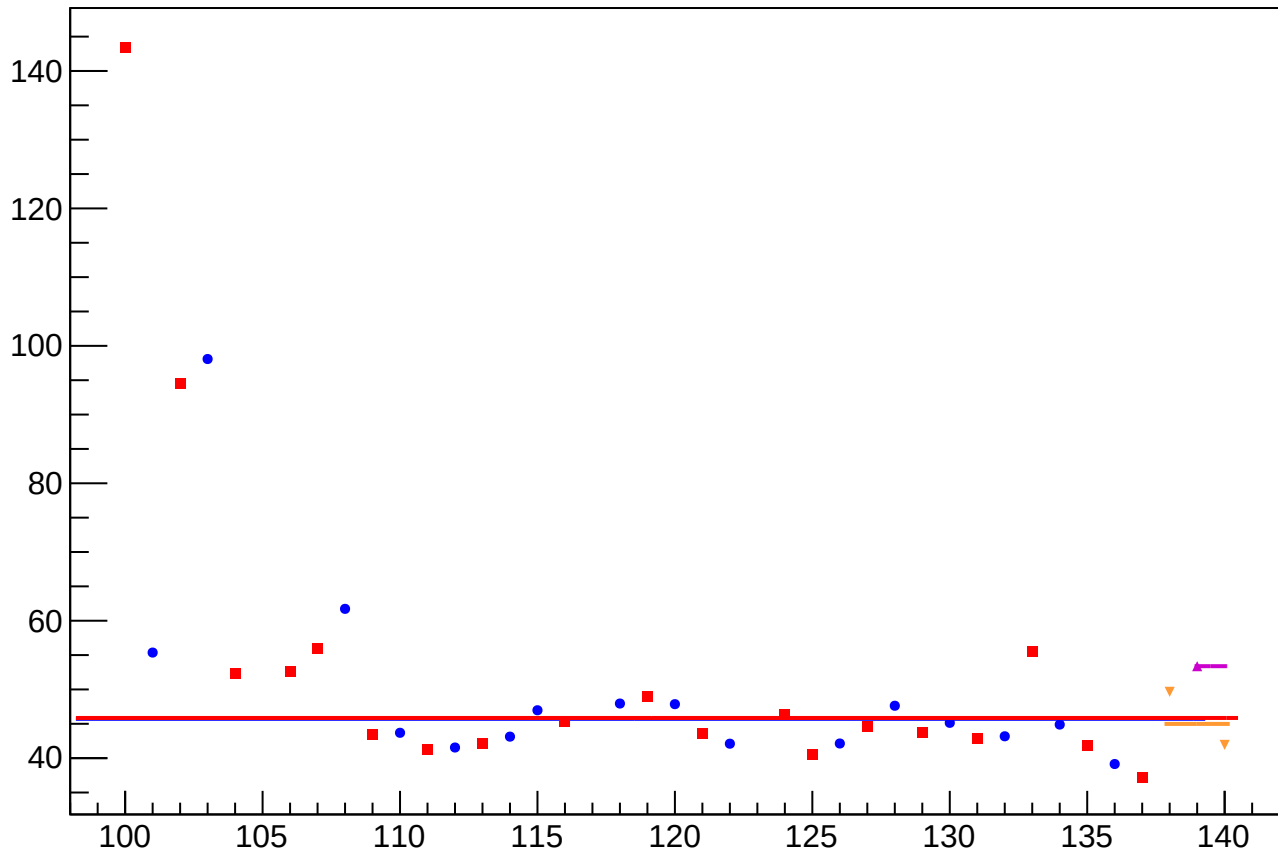
Left In: 95.941 $\pm$ 58.116 χ^2 /NDF: 0.0/0

+ sign 13.892 $\pm$ 15.695 χ^2 /NDF: 14.3/17

All: 0.021 $\pm$ 11.409 χ^2 /NDF: 37.8/37

- sign -15.521 $\pm$ 16.613 χ^2 /NDF: 21.9/19

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501460.7/15

Left Out: 44.983 $\pm$ 0.025 χ^2 /NDF: 22320.0/1

Right Out: 45.849 $\pm$ 0.012 χ^2 /NDF: 540156.7/18

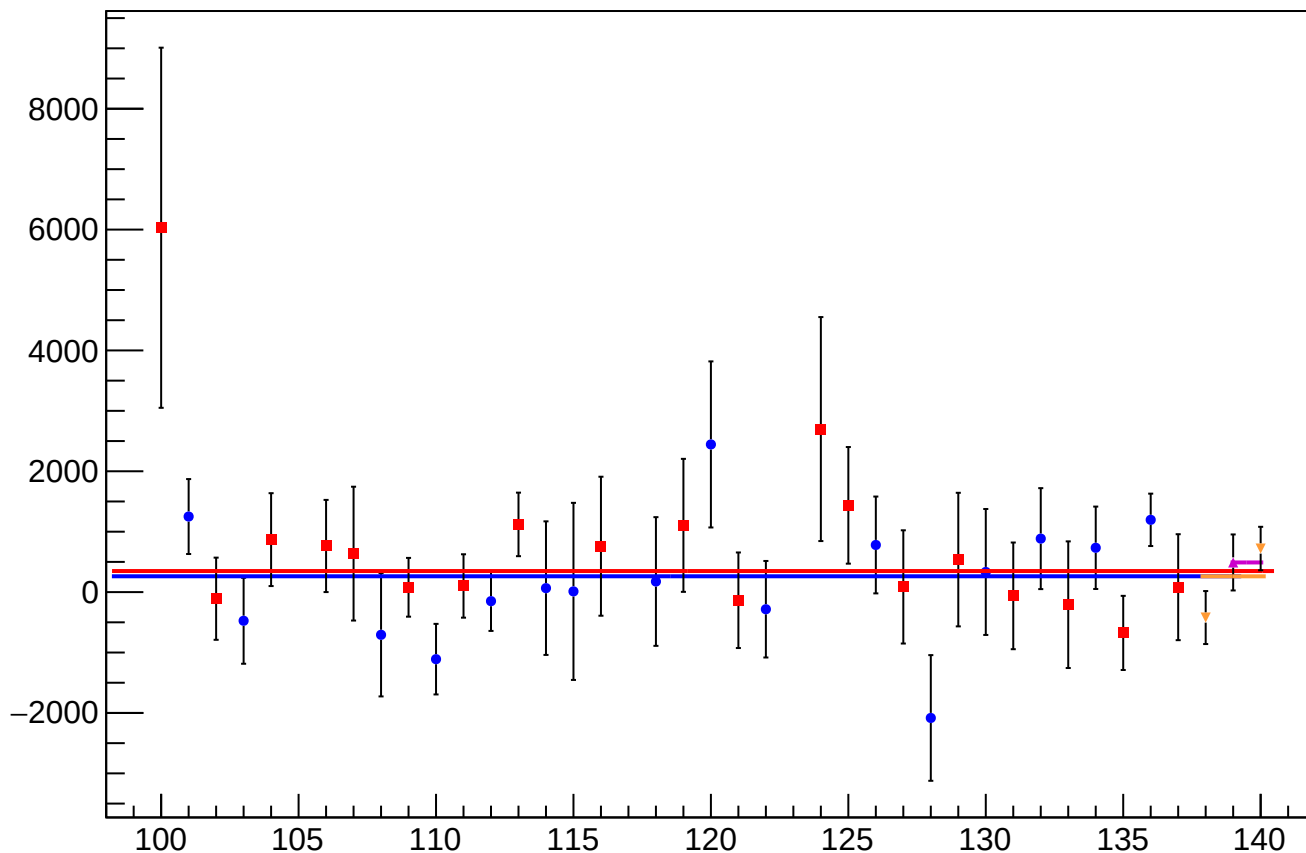
Left In: 53.385 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 45.583 $\pm$ 0.011 χ^2 /NDF: 524480.1/17

All: 45.999 $\pm$ 0.008 χ^2 /NDF: 1098492.9/37

- sign 46.465 $\pm$ 0.012 χ^2 /NDF: 571035.4/19

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF : 25.0/15

Left Out: 261.327+/-278.193 χ^2/NDF : 4.1/1

Right Out: 348.685+/-180.682 χ^2/NDF : 14.9/18

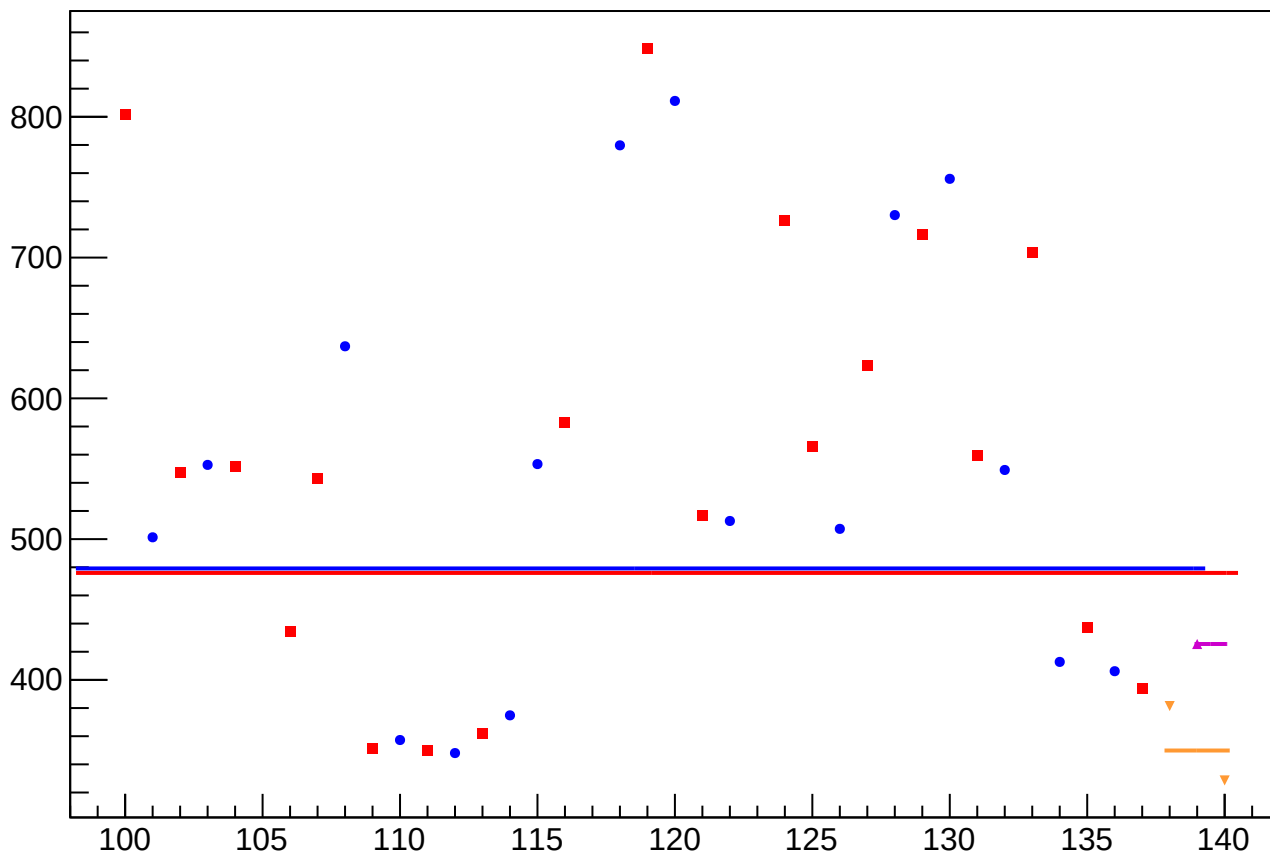
Left In: 490.760+/-463.516 χ^2/NDF : 0.0/0

+ sign 261.754+/-154.169 χ^2/NDF : 29.0/17

All: 309.954+/-113.696 χ^2/NDF : 44.2/37

- sign 367.426+/-168.344 χ^2/NDF : 15.0/19

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF : 952693.7/15

Left Out: 349.840+/-0.197 χ^2/NDF :17346.5/1

Right Out: 475.992+/-0.128 χ^2/NDF : 1006487.7/18

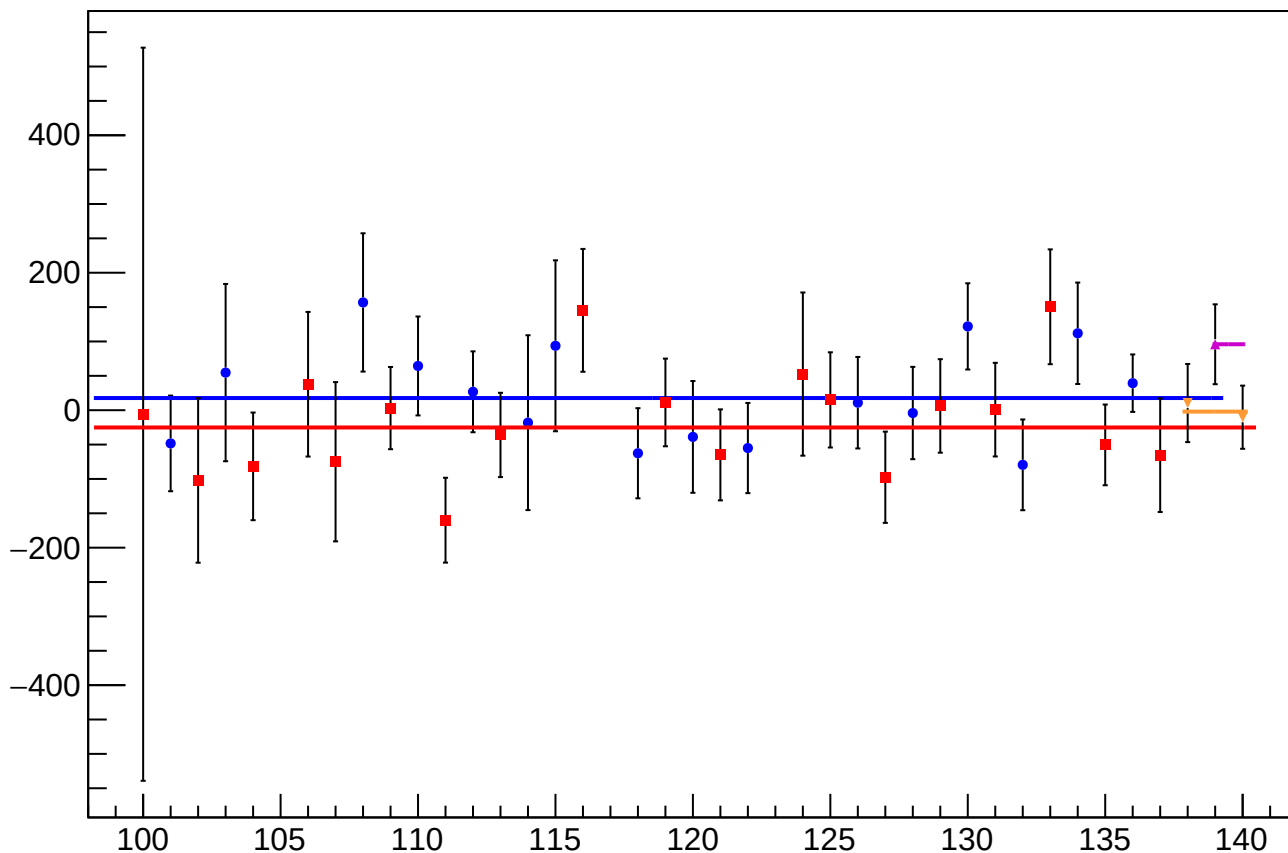
Left In: 425.502+/-0.328 χ^2/NDF :0.0/0

+ sign 439.456+/-0.109 χ^2/NDF : 1269575.3/17

All: 453.083+/-0.080 χ^2/NDF : 2330921.7/37

- sign 469.332+/-0.119 χ^2/NDF : 1027088.2/19

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706 $\pm$ 17.470 χ^2 /NDF: 13.9/15

Left Out: -2.045 $\pm$ 35.735 χ^2 /NDF: 0.1/1

Right Out: -25.145 $\pm$ 17.339 χ^2 /NDF: 18.0/18

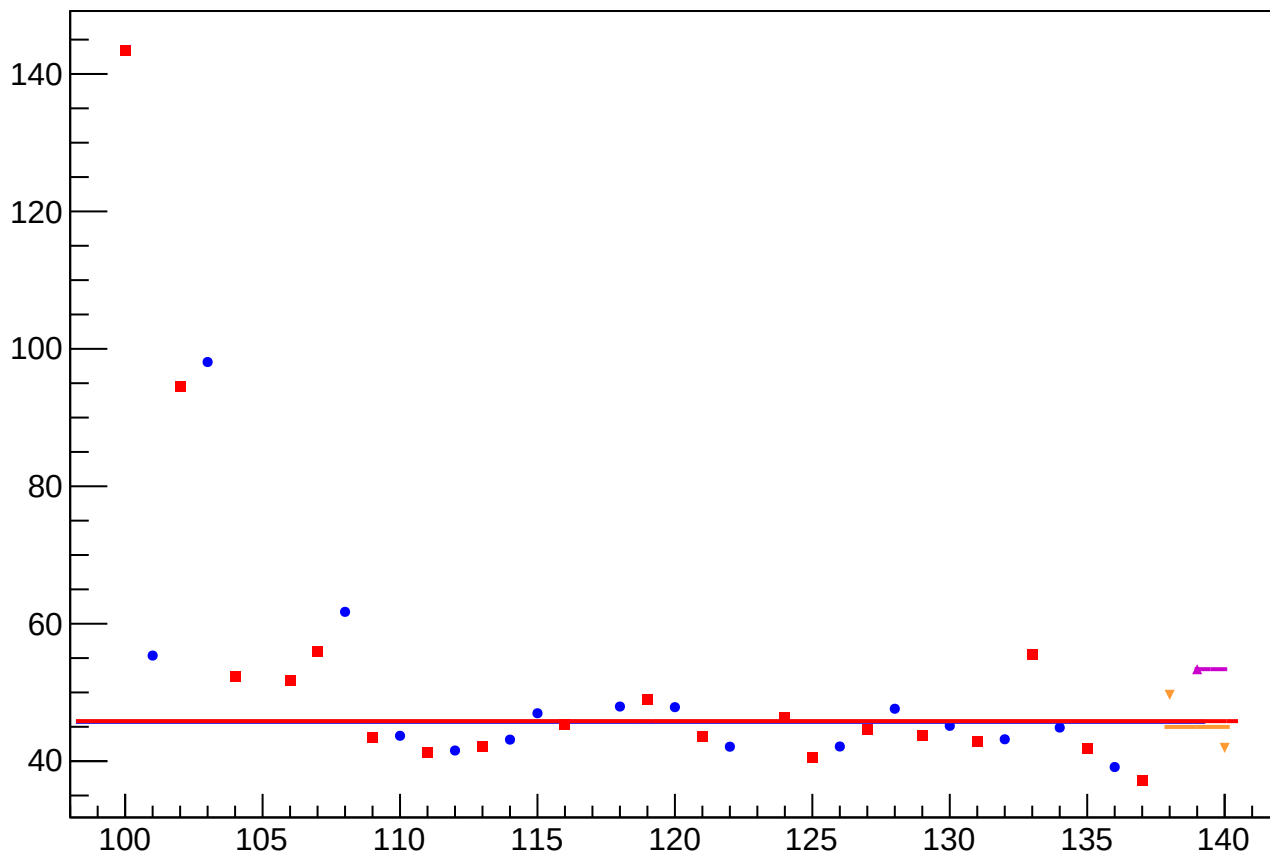
Left In: 95.944 $\pm$ 58.116 χ^2 /NDF: 0.0/0

+ sign 13.896 $\pm$ 15.695 χ^2 /NDF: 14.3/17

All: 0.154 $\pm$ 11.409 χ^2 /NDF: 37.9/37

- sign -15.247 $\pm$ 16.615 χ^2 /NDF: 22.0/19

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501463.8/15

Left Out: 44.983 $\pm$ 0.025 χ^2 /NDF: 22320.0/1

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

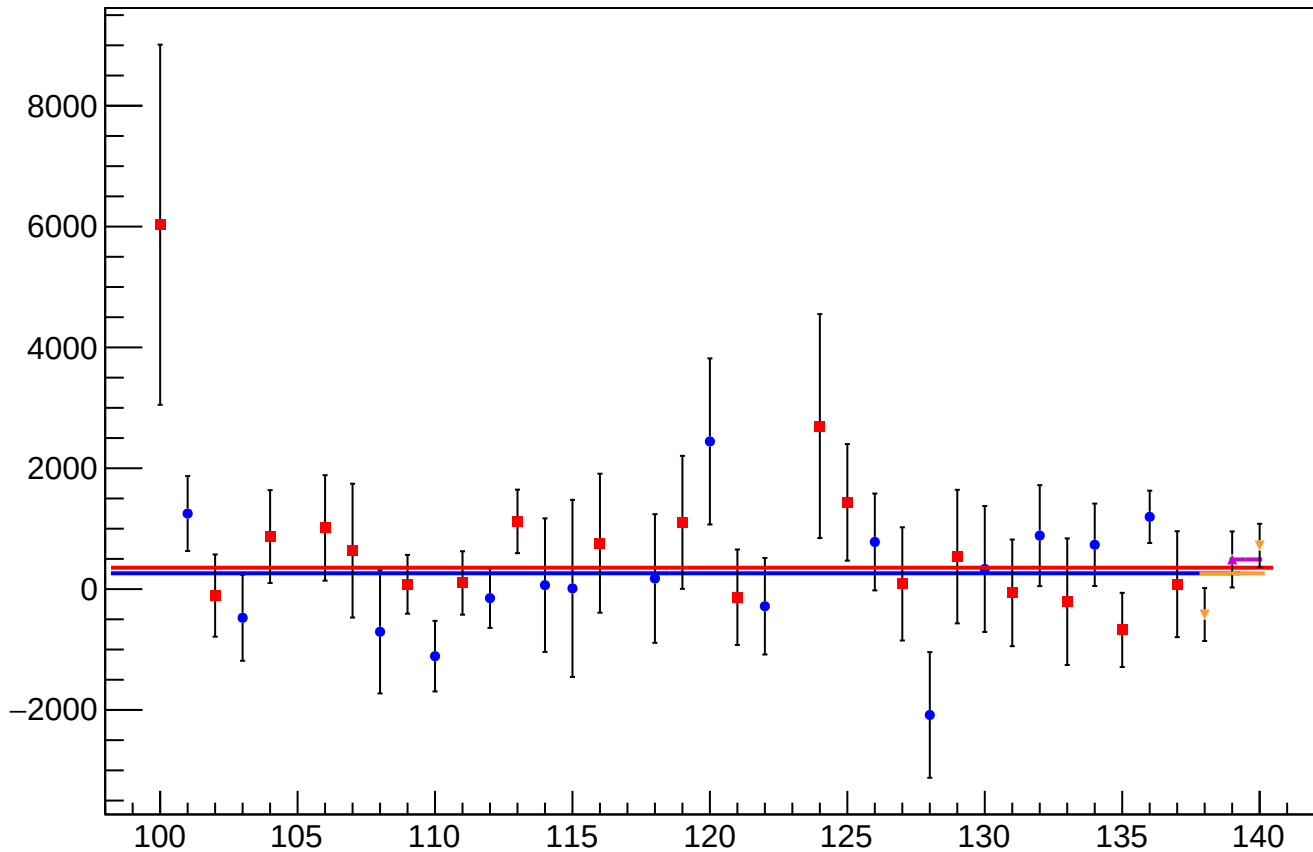
Left In: 53.385 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 45.583 $\pm$ 0.011 χ^2 /NDF: 524483.1/17

All: 45.989 $\pm$ 0.008 χ^2 /NDF: 1096859.4/37

- sign 46.443 $\pm$ 0.012 χ^2 /NDF: 569544.4/19

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947 $\pm$ 185.212 χ^2 /NDF: 25.0/15

Left Out: 261.326 $\pm$ 278.193 χ^2 /NDF: 4.1/1

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

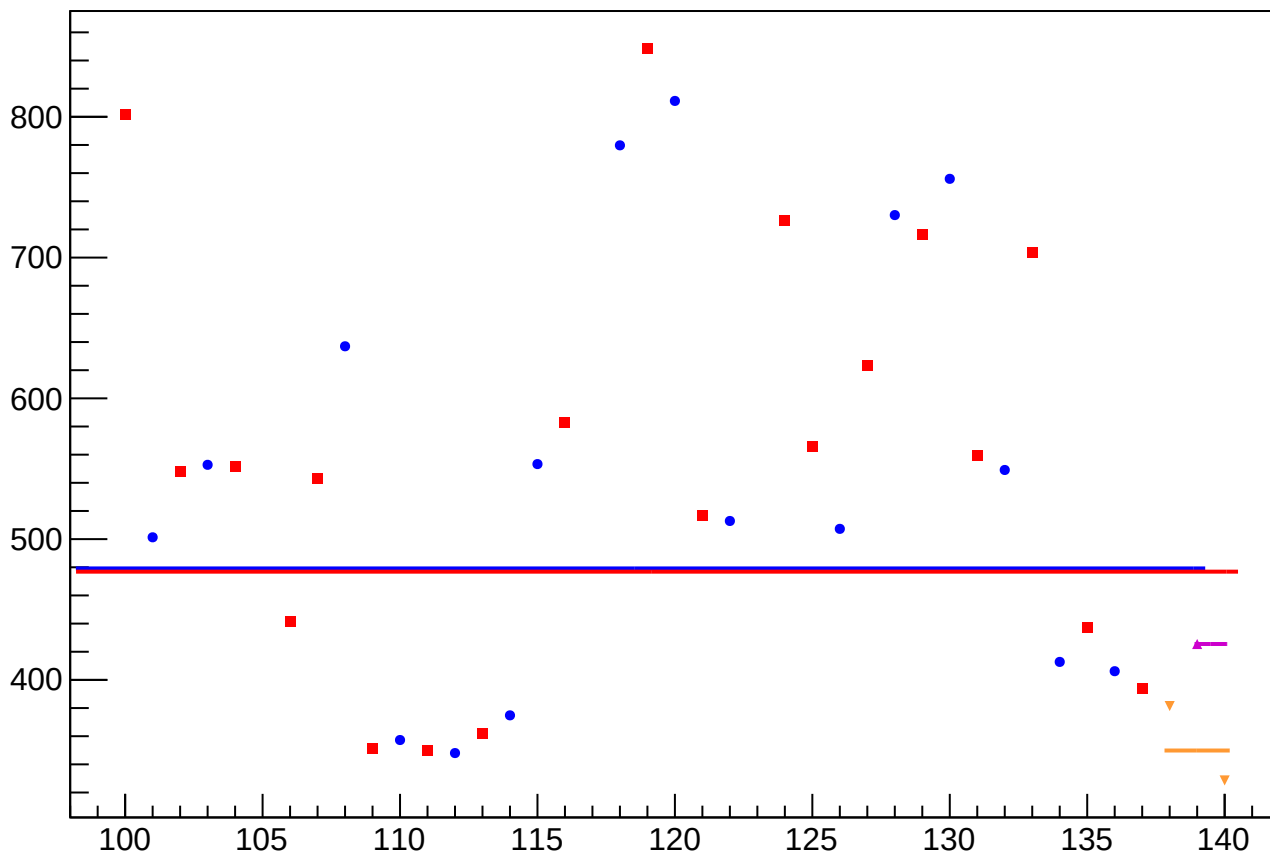
Left In: 490.763 $\pm$ 463.516 χ^2 /NDF: 0.0/0

+ sign 261.756 $\pm$ 154.170 χ^2 /NDF: 29.0/17

All: 311.917 $\pm$ 113.998 χ^2 /NDF: 44.5/37

- sign 372.429 $\pm$ 169.330 χ^2 /NDF: 15.3/19

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180 $\pm$ 0.131 χ^2 /NDF: 952722.6/15

Left Out: 349.840 $\pm$ 0.197 χ^2 /NDF:17346.9/1

Right Out: 476.893 $\pm$ 0.129 χ^2 /NDF: 1003767.4/18

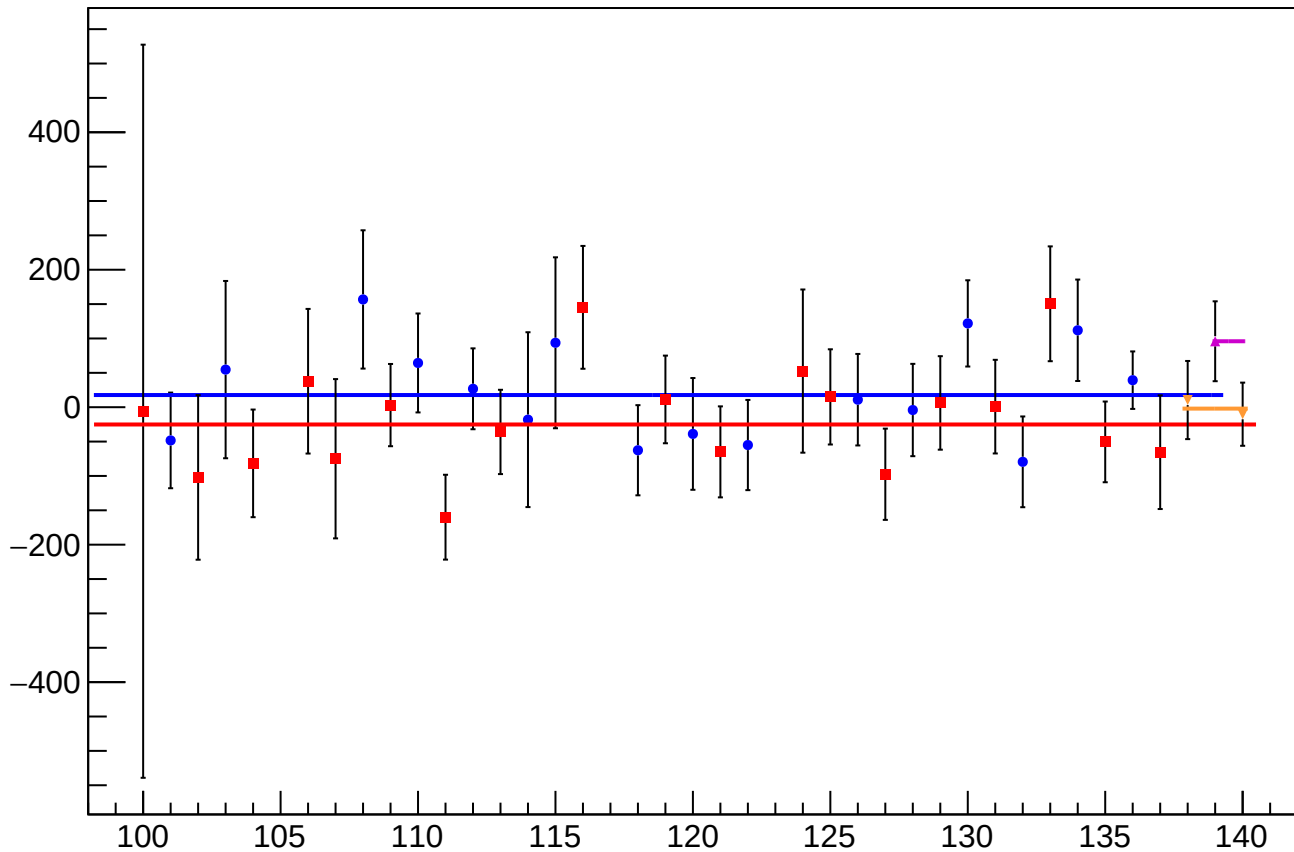
Left In: 425.502 $\pm$ 0.328 χ^2 /NDF:0.0/0

+ sign 439.457 $\pm$ 0.109 χ^2 /NDF: 1269614.9/17

All: 453.316 $\pm$ 0.081 χ^2 /NDF: 2330344.0/37

- sign 470.034 $\pm$ 0.120 χ^2 /NDF: 1025071.5/19

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706 $\pm$ 17.470 χ^2 /NDF: 13.9/15

Left Out: -2.045 $\pm$ 35.735 χ^2 /NDF: 0.1/1

Right Out: -25.145 $\pm$ 17.339 χ^2 /NDF: 18.0/18

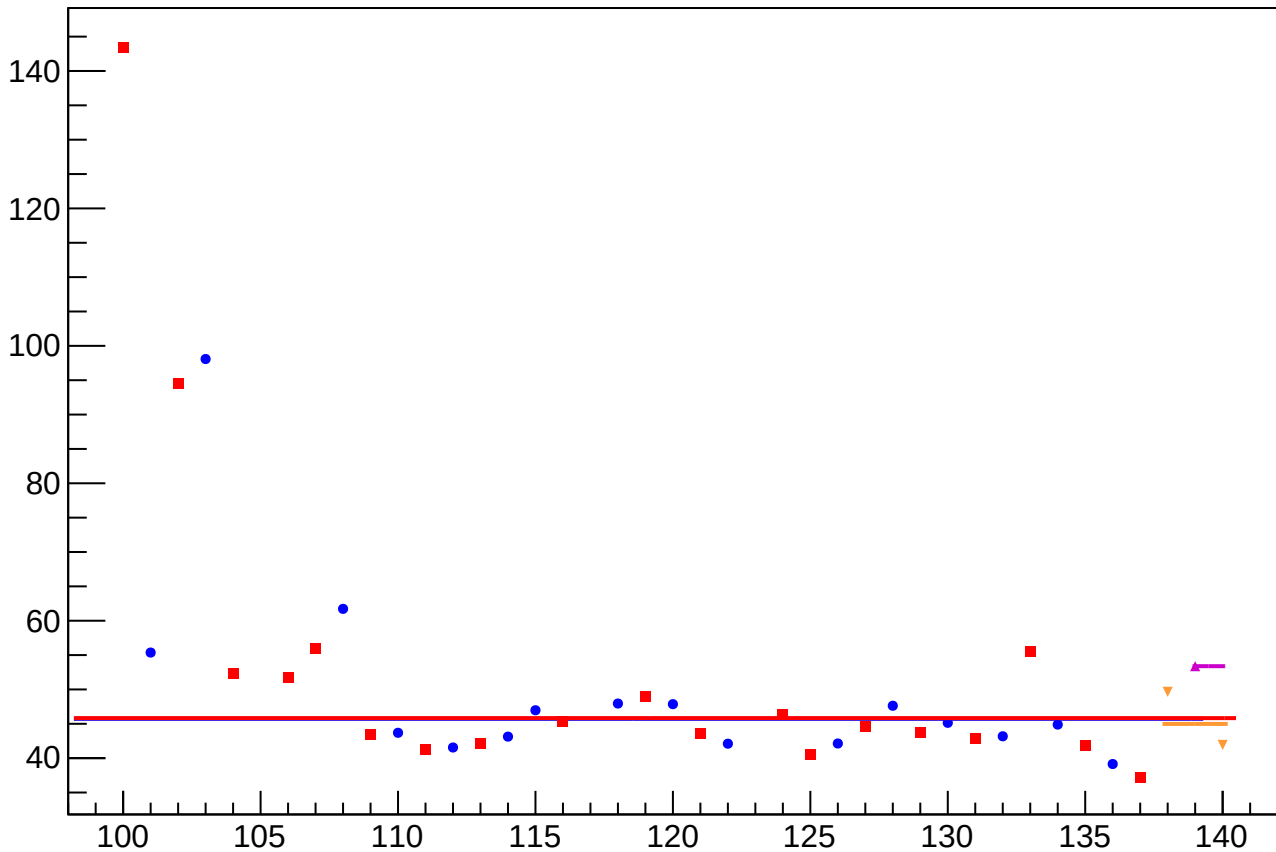
Left In: 95.944 $\pm$ 58.116 χ^2 /NDF: 0.0/0

+ sign 13.896 $\pm$ 15.695 χ^2 /NDF: 14.3/17

All: 0.154 $\pm$ 11.409 χ^2 /NDF: 37.9/37

- sign -15.247 $\pm$ 16.615 χ^2 /NDF: 22.0/19

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501463.8/15

Left Out: 44.983 $\pm$ 0.025 χ^2 /NDF: 22320.0/1

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

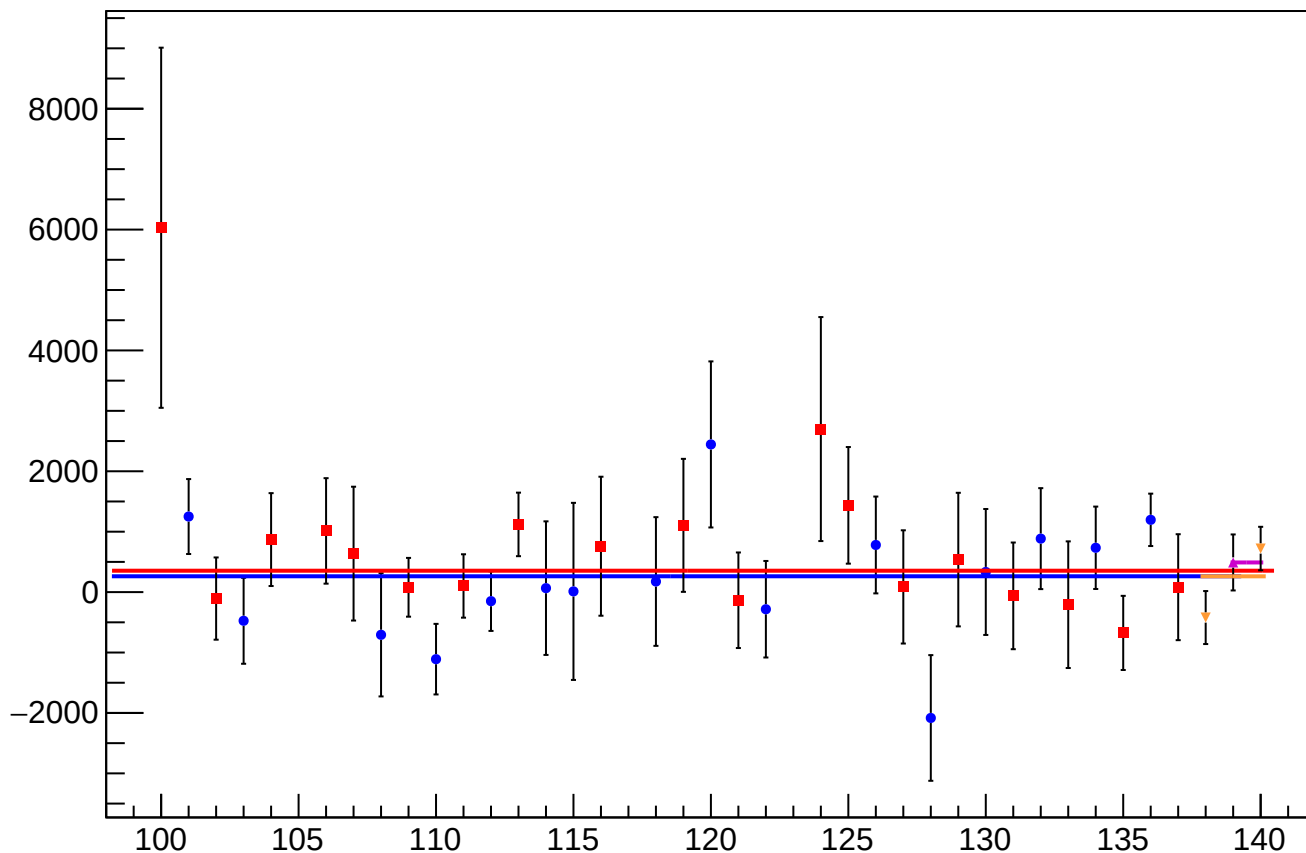
Left In: 53.385 $\pm$ 0.041 χ^2 /NDF: 0.0/0

+ sign 45.583 $\pm$ 0.011 χ^2 /NDF: 524483.1/17

All: 45.989 $\pm$ 0.008 χ^2 /NDF: 1096859.4/37

- sign 46.443 $\pm$ 0.012 χ^2 /NDF: 569544.4/19

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 261.947 $\pm$ 185.212 χ^2 /NDF: 25.0/15

Left Out: 261.326 $\pm$ 278.193 χ^2 /NDF:4.1/1

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

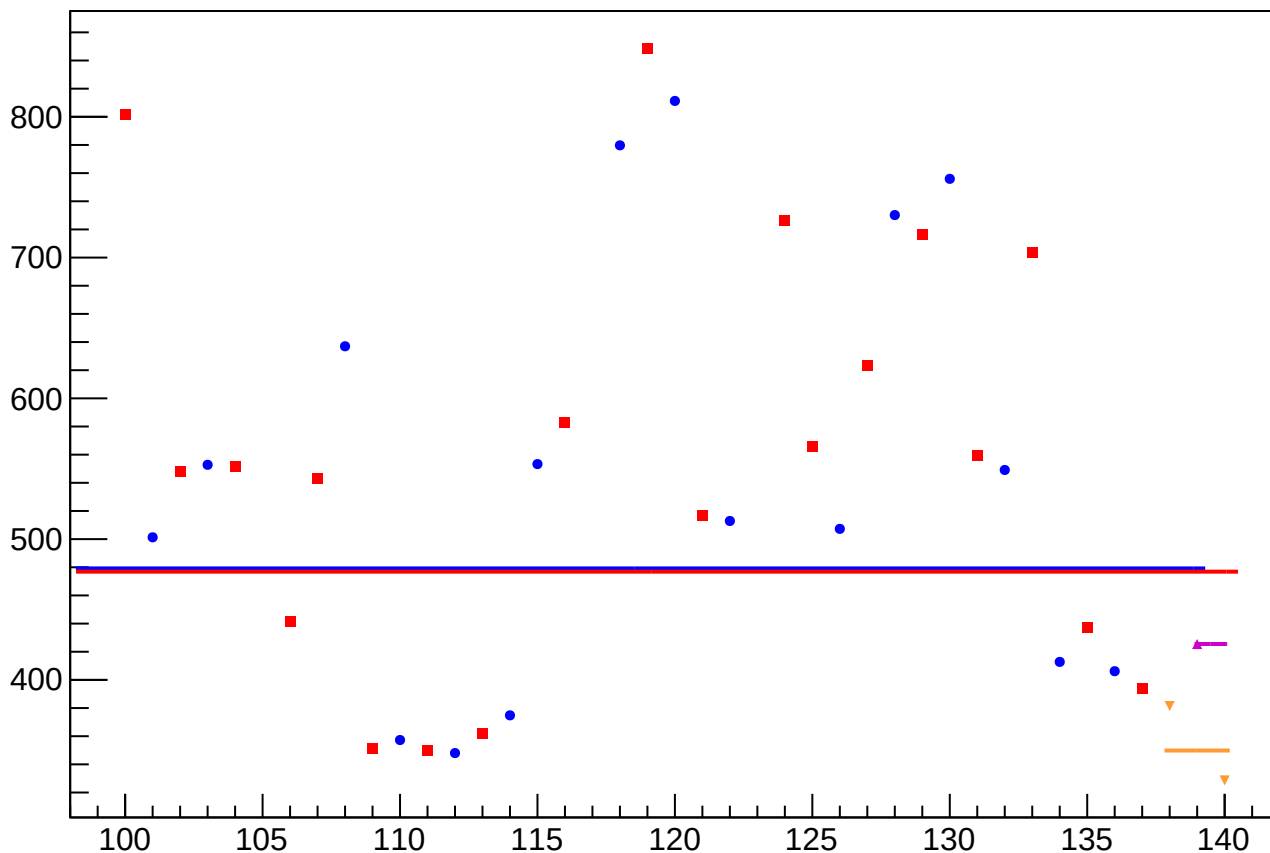
Left In: 490.763 $\pm$ 463.516 χ^2 /NDF:0.0/0

+ sign 261.756 $\pm$ 154.170 χ^2 /NDF: 29.0/17

All: 311.917 $\pm$ 113.998 χ^2 /NDF: 44.5/37

- sign 372.429 $\pm$ 169.330 χ^2 /NDF: 15.3/19

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF : 952722.6/15

Left Out: 349.840+/-0.197 χ^2/NDF : 17346.9/1

Right Out: 476.893+/-0.129 χ^2/NDF : 1003767.4/18

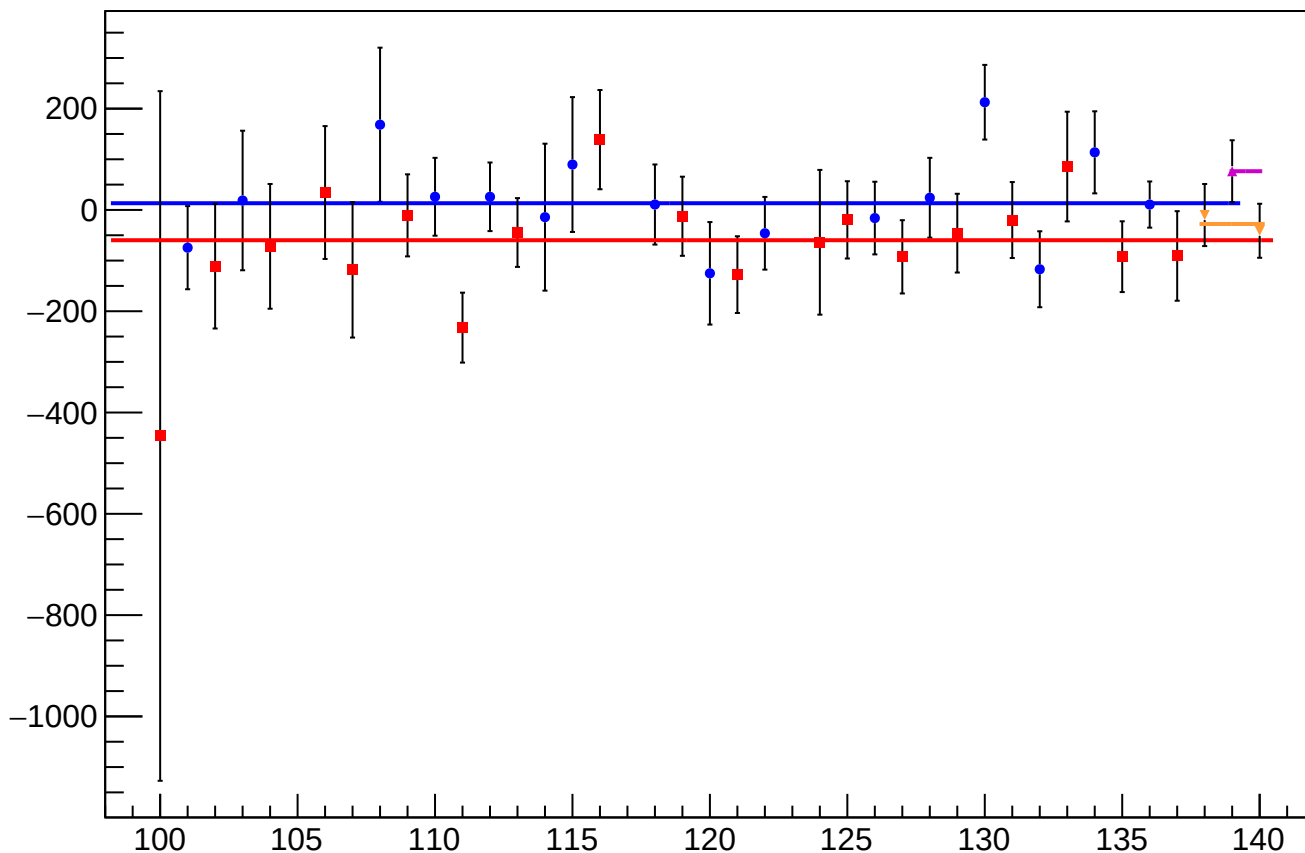
Left In: 425.502+/-0.328 χ^2/NDF : 0.0/0

+ sign 439.457+/-0.109 χ^2/NDF : 1269614.9/17

All: 453.316+/-0.081 χ^2/NDF : 2330344.0/37

- sign 470.034+/-0.120 χ^2/NDF : 1025071.5/19

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 $\pm$ 19.849 χ^2 /NDF: 17.2/15

Left Out: -27.739 $\pm$ 40.235 χ^2 /NDF: 0.1/1

Right Out: -59.810 $\pm$ 20.234 χ^2 /NDF: 16.1/18

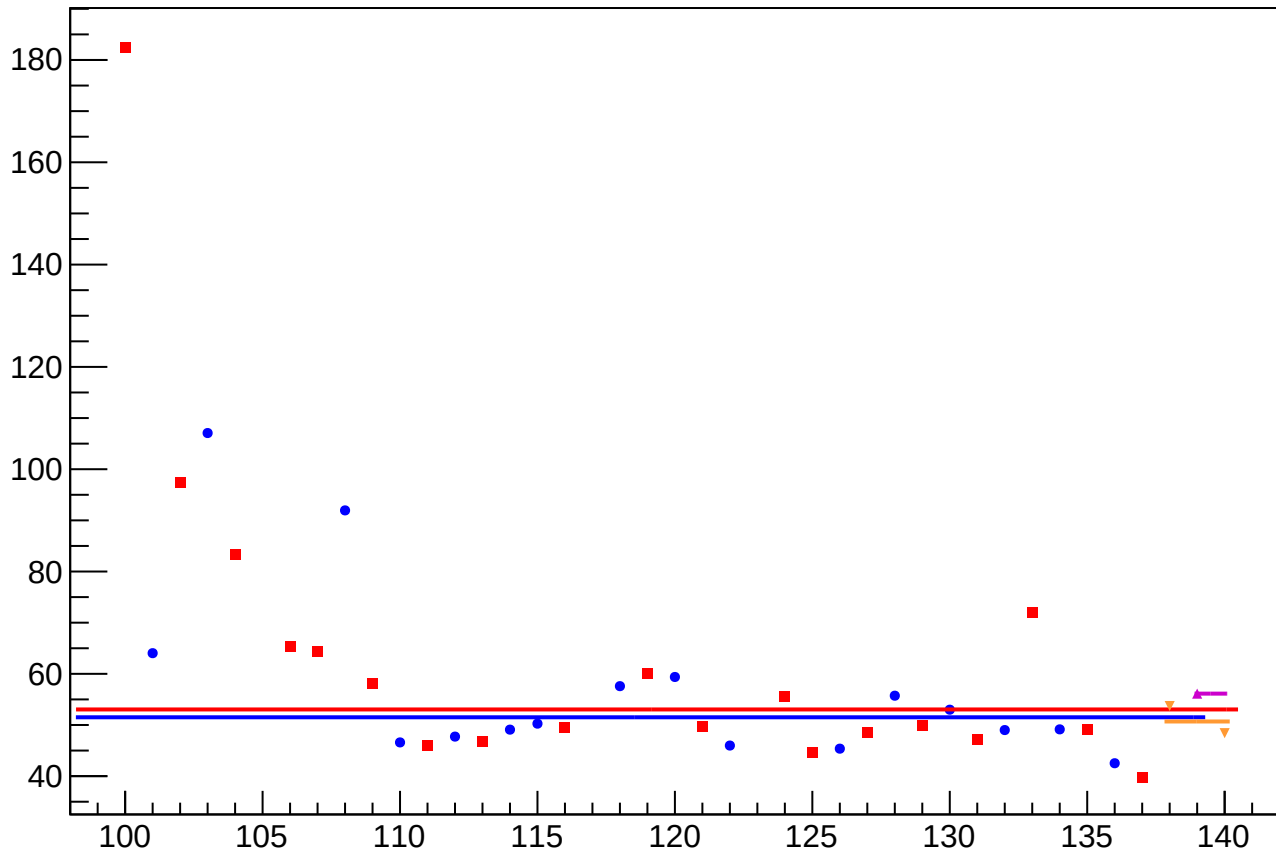
Left In: 76.458 $\pm$ 61.126 χ^2 /NDF: 0.0/0

+ sign 5.240 $\pm$ 17.801 χ^2 /NDF: 18.2/17

All: -18.597 $\pm$ 13.057 χ^2 /NDF: 42.7/37

- sign -46.353 $\pm$ 19.209 χ^2 /NDF: 20.6/19

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506 $\pm$ 0.014 χ^2 /NDF: 667059.0/15

Left Out: 50.685 $\pm$ 0.028 χ^2 /NDF: 8524.7/1

Right Out: 53.037 $\pm$ 0.014 χ^2 /NDF: 712908.4/18

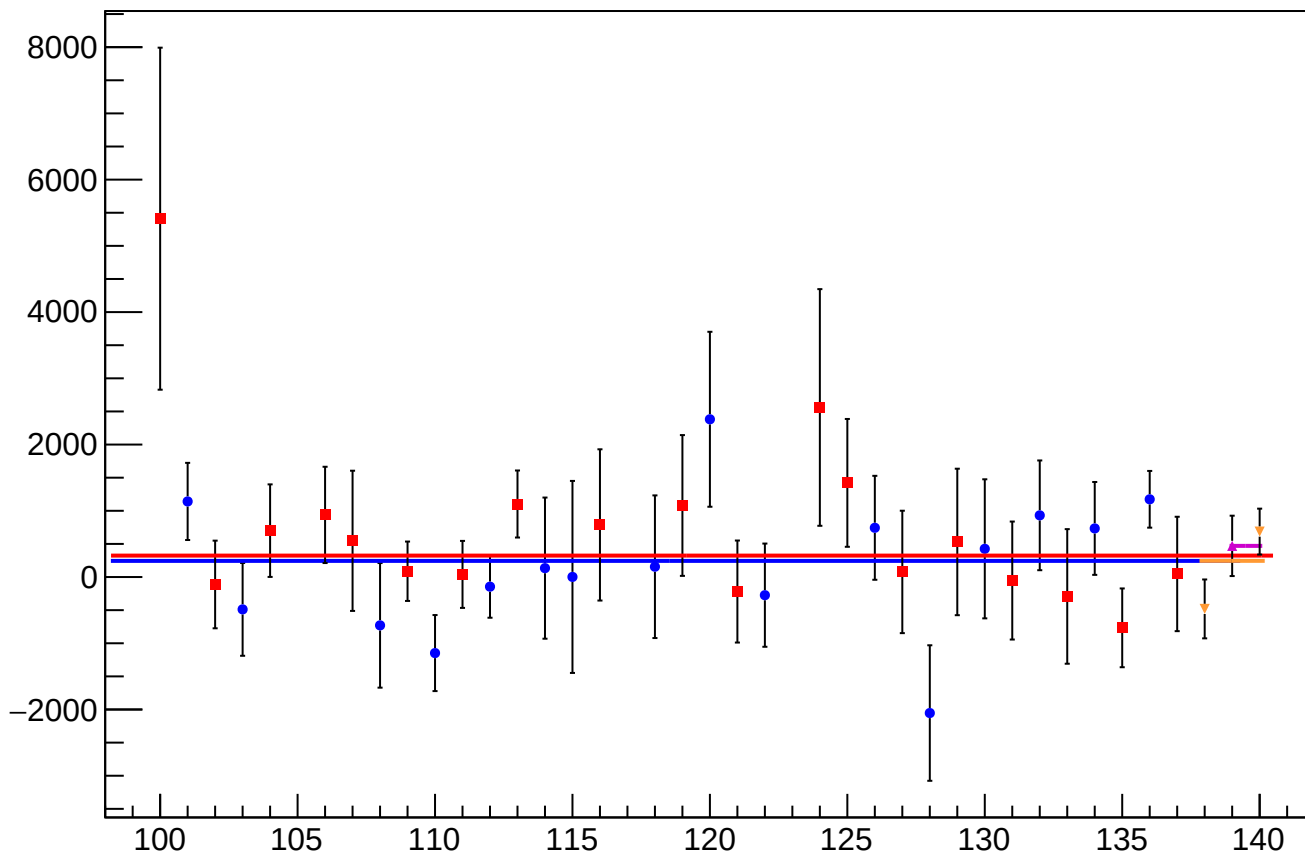
Left In: 56.130 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 51.345 $\pm$ 0.013 χ^2 /NDF: 676253.2/17

All: 52.268 $\pm$ 0.009 χ^2 /NDF: 1405414.2/37

- sign 53.343 $\pm$ 0.014 χ^2 /NDF: 717521.5/19

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828 $\pm$ 180.872 χ^2 /NDF: 25.6/15

Left Out: 244.549 $\pm$ 273.340 χ^2 /NDF:4.3/1

Right Out: 323.628 $\pm$ 173.632 χ^2 /NDF: 16.5/18

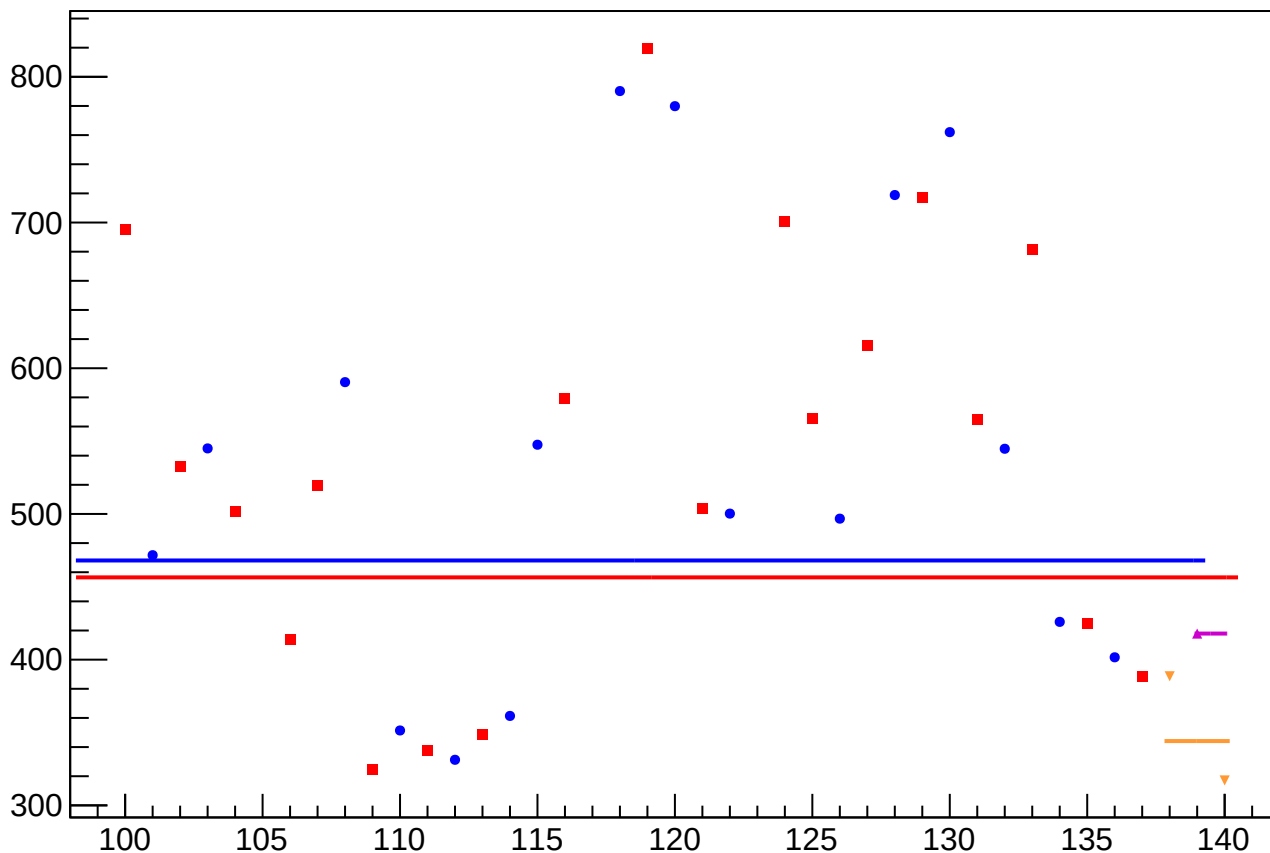
Left In: 470.462 $\pm$ 455.724 χ^2 /NDF:0.0/0

+ sign 244.047 $\pm$ 150.839 χ^2 /NDF: 29.9/17

All: 289.569 $\pm$ 110.475 χ^2 /NDF: 46.6/37

- sign 342.241 $\pm$ 162.254 χ^2 /NDF: 16.6/19

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF : 982915.0/15

Left Out: 344.131+/-0.193 χ^2/NDF : 32167.8/1

Right Out: 456.468+/-0.123 χ^2/NDF : 1082568.2/18

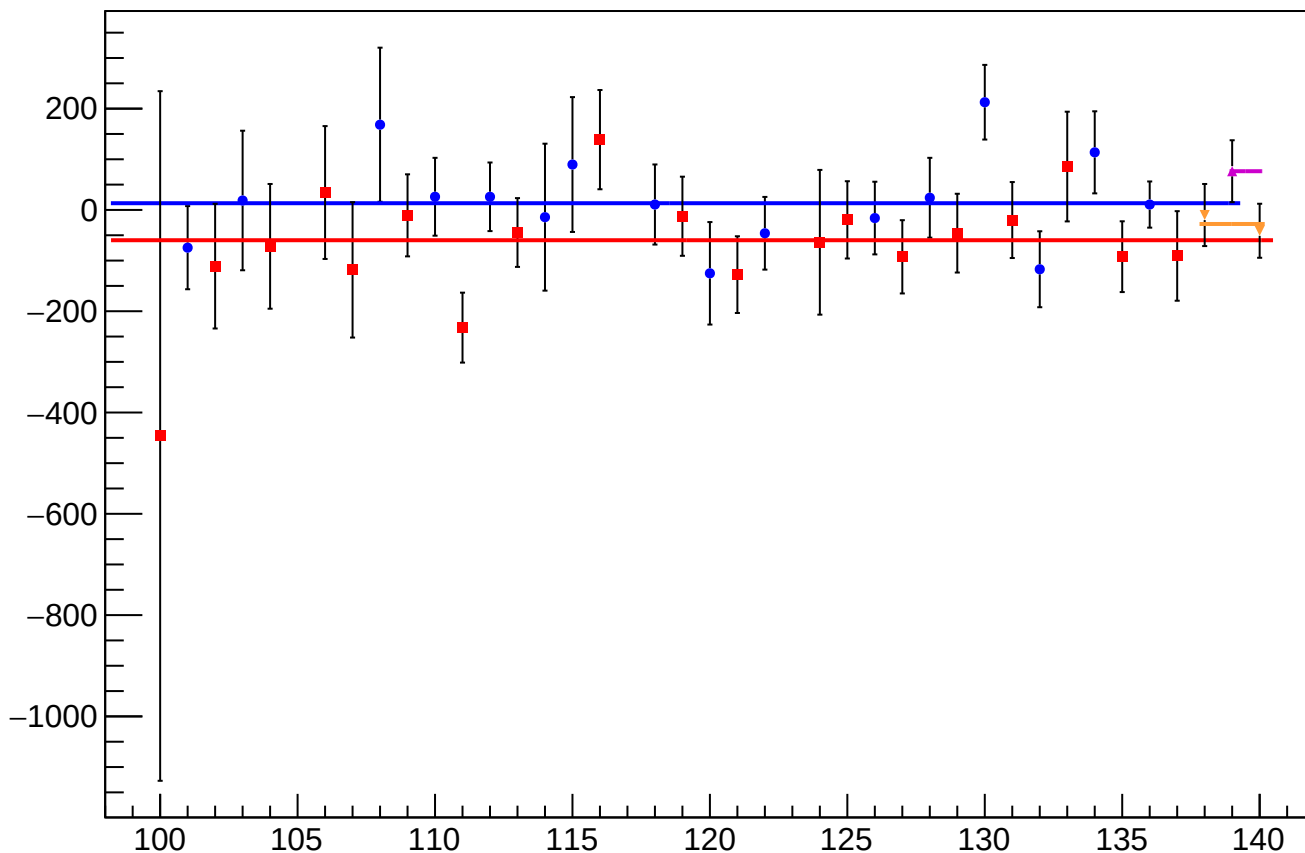
Left In: 417.902+/-0.322 χ^2/NDF : 0.0/0

+ sign 430.325+/-0.107 χ^2/NDF : 1301036.0/17

All: 440.178+/-0.078 χ^2/NDF : 2414521.1/37

- sign 451.579+/-0.115 χ^2/NDF : 1095075.4/19

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF : 17.2/15

Left Out: -27.739+/-40.235 χ^2/NDF : 0.1/1

Right Out: -59.811+/-20.234 χ^2/NDF : 16.1/18

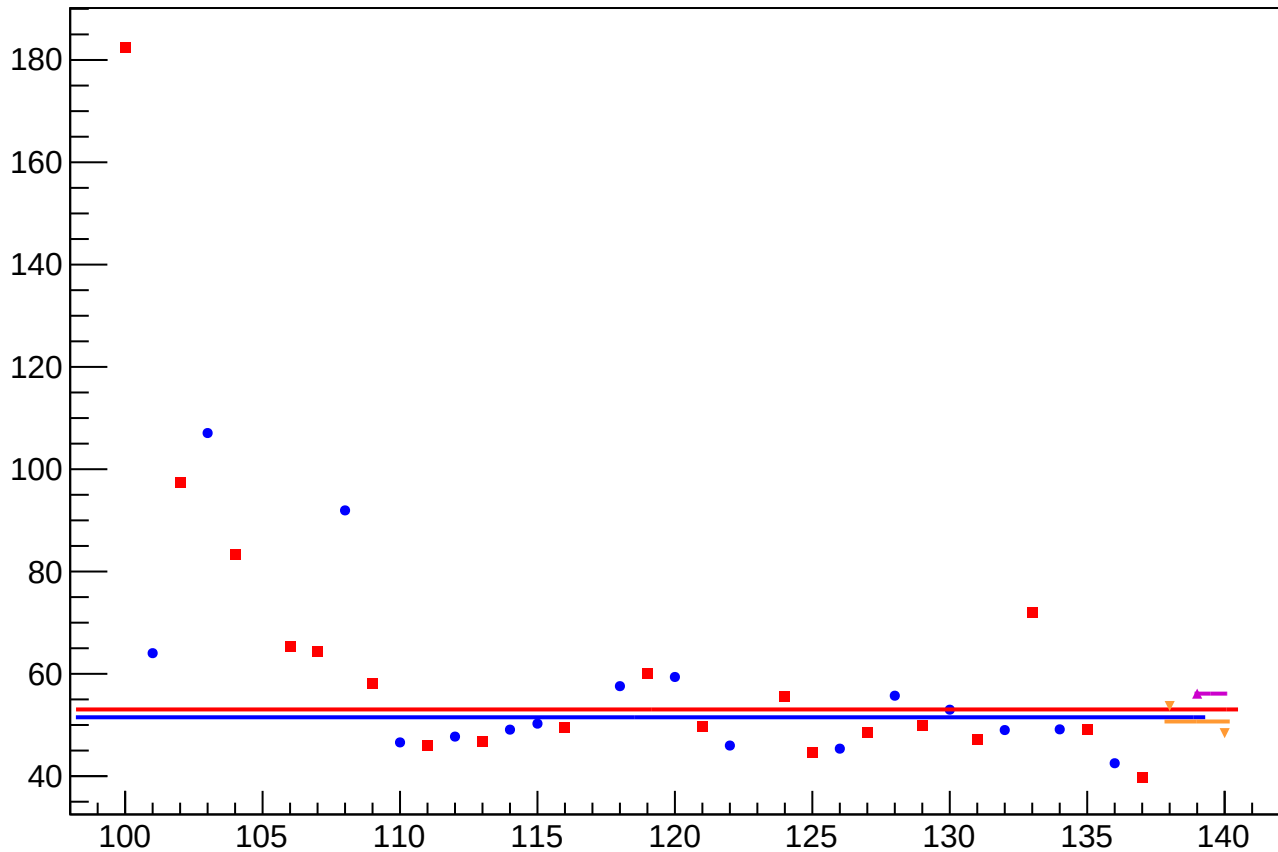
Left In: 76.458+/-61.126 χ^2/NDF : 0.0/0

+ sign 5.240+/-17.801 χ^2/NDF : 18.2/17

All: -18.597+/-13.057 χ^2/NDF : 42.7/37

- sign -46.354+/-19.209 χ^2/NDF : 20.6/19

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506 $\pm$ 0.014 χ^2 /NDF: 667064.6/15

Left Out: 50.685 $\pm$ 0.028 χ^2 /NDF: 8524.8/1

Right Out: 53.037 $\pm$ 0.014 χ^2 /NDF: 712918.4/18

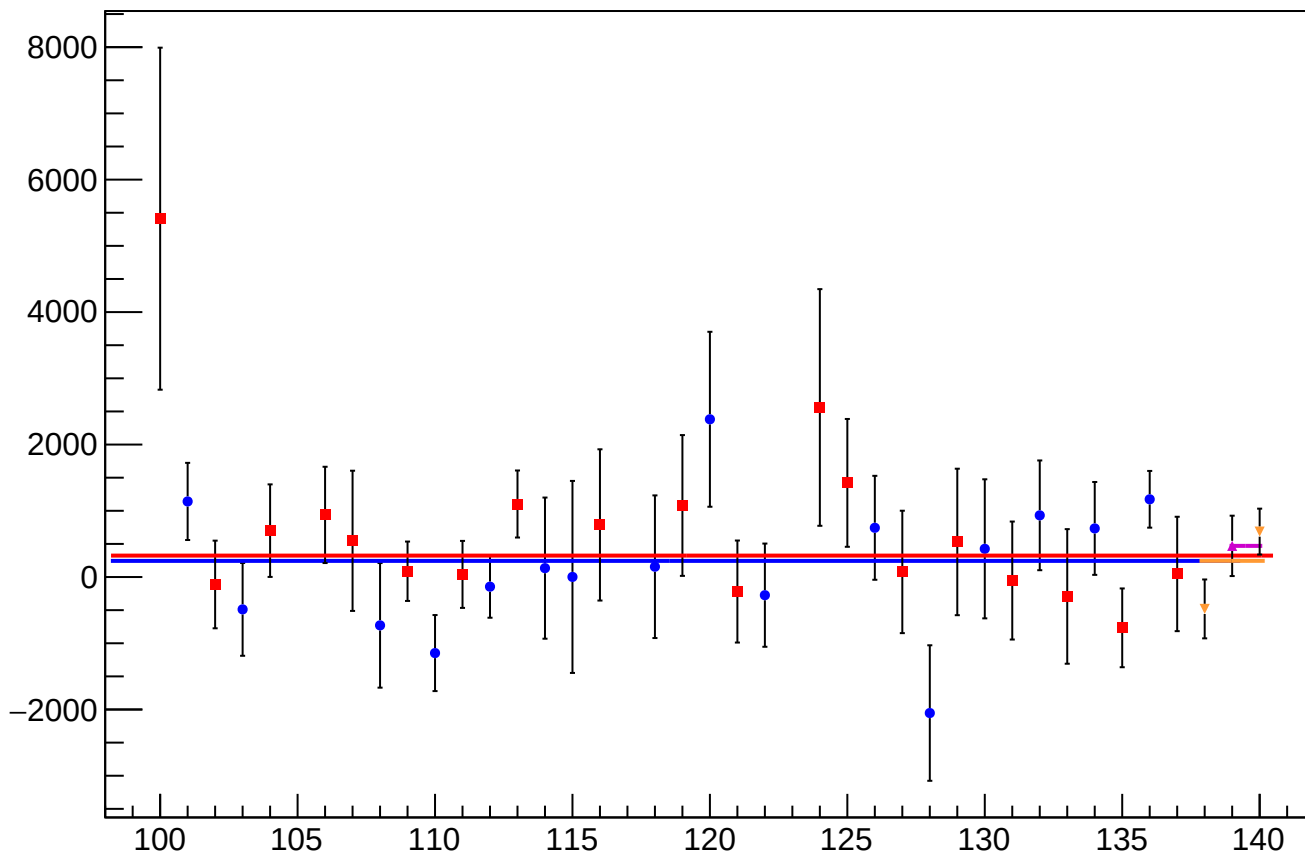
Left In: 56.130 $\pm$ 0.043 χ^2 /NDF: 0.0/0

+ sign 51.345 $\pm$ 0.013 χ^2 /NDF: 676258.8/17

All: 52.268 $\pm$ 0.009 χ^2 /NDF: 1405429.9/37

- sign 53.343 $\pm$ 0.014 χ^2 /NDF: 717531.4/19

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 243.826 $\pm$ 180.872 χ^2 /NDF: 25.6/15

Left Out: 244.550 $\pm$ 273.340 χ^2 /NDF: 4.3/1

Right Out: 323.628 $\pm$ 173.631 χ^2 /NDF: 16.5/18

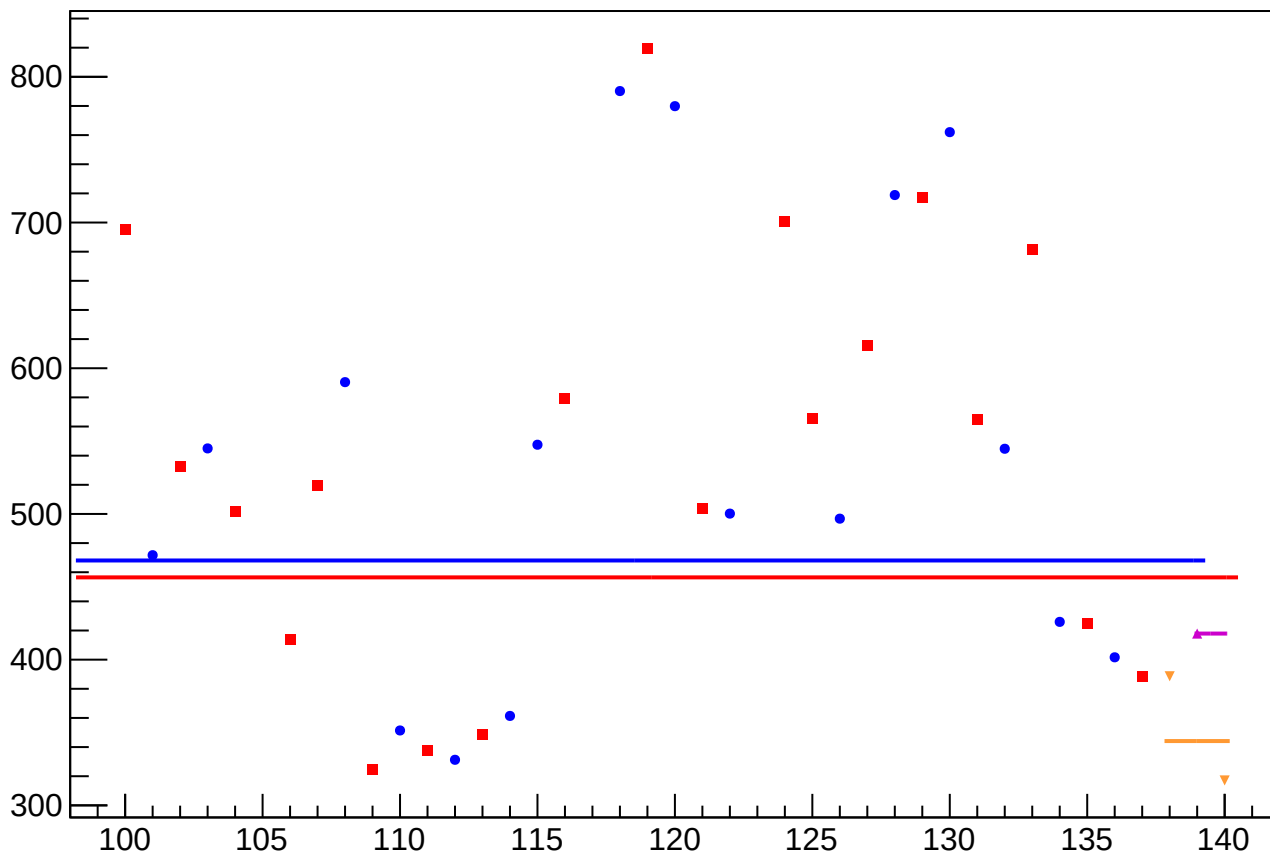
Left In: 470.461 $\pm$ 455.725 χ^2 /NDF: 0.0/0

+ sign 244.047 $\pm$ 150.839 χ^2 /NDF: 29.9/17

All: 289.568 $\pm$ 110.474 χ^2 /NDF: 46.6/37

- sign 342.241 $\pm$ 162.254 χ^2 /NDF: 16.6/19

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 468.065+/-0.128 χ^2/NDF : 982915.8/15

Left Out: 344.131+/-0.193 χ^2/NDF : 32168.2/1

Right Out: 456.467+/-0.123 χ^2/NDF : 1082565.2/18

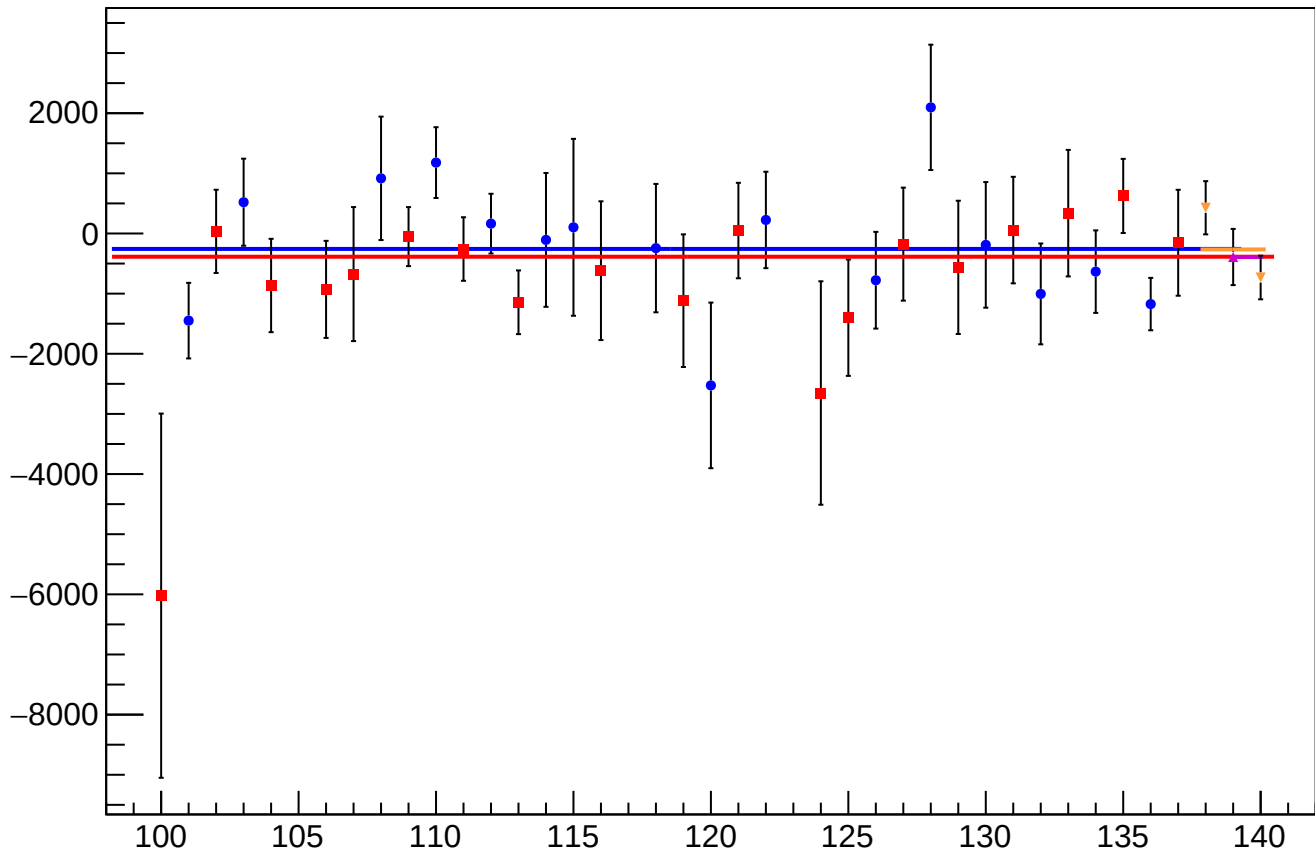
Left In: 417.903+/-0.322 χ^2/NDF : 0.0/0

+ sign 430.324+/-0.107 χ^2/NDF : 1301030.5/17

All: 440.178+/-0.078 χ^2/NDF : 2414511.2/37

- sign 451.579+/-0.115 χ^2/NDF : 1095071.5/19

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748 ± 186.462 χ^2/NDF : 26.9/15

Left Out: -265.210 ± 280.509 χ^2/NDF : 4.1/1

Right Out: -386.449 ± 182.363 χ^2/NDF : 14.2/18

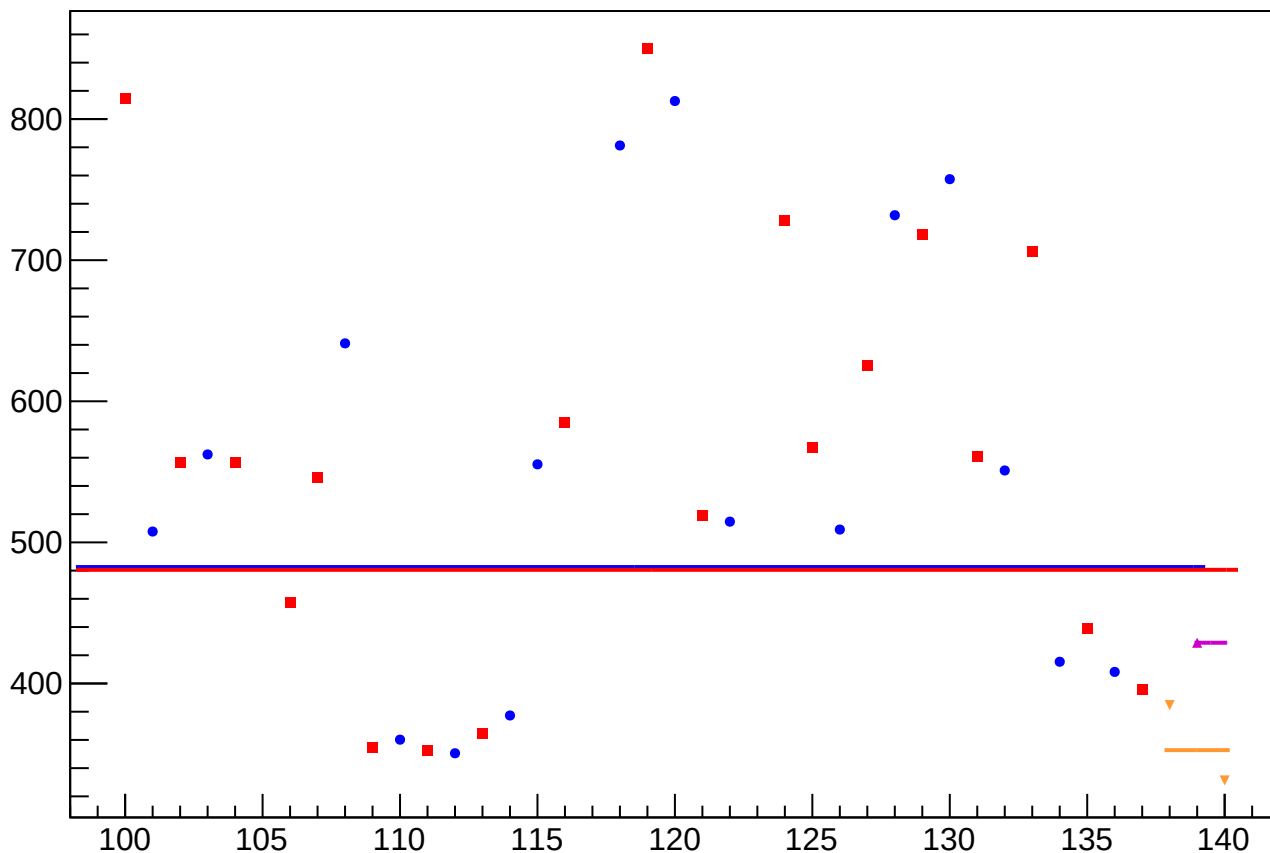
Left In: -391.135 ± 467.181 χ^2/NDF : 0.0/0

+ sign -259.341 ± 155.284 χ^2/NDF : 31.0/17

All: -317.484 ± 114.616 χ^2/NDF : 45.6/37

- sign -387.069 ± 169.879 χ^2/NDF : 14.2/19

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF : 946526.1/15

Left Out: 352.766+/-0.198 χ^2/NDF :17416.1/1

Right Out: 480.559+/-0.129 χ^2/NDF : 993796.3/18

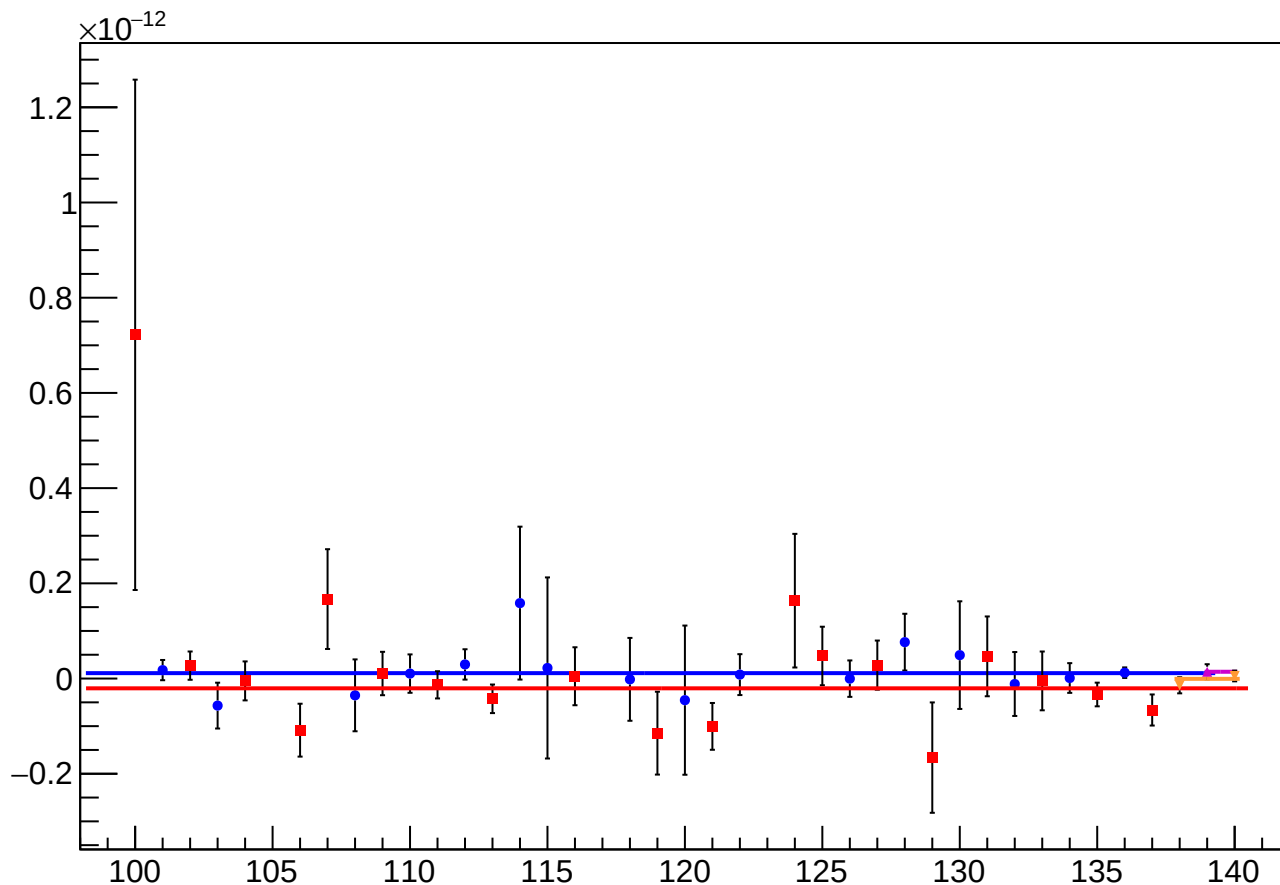
Left In: 428.880+/-0.330 χ^2/NDF :0.0/0

+ sign 442.751+/-0.110 χ^2/NDF : 1260700.4/17

All: 456.851+/-0.081 χ^2/NDF : 2311958.3/37

- sign 473.726+/-0.120 χ^2/NDF : 1015033.9/19

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 : 0.9/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.7/18

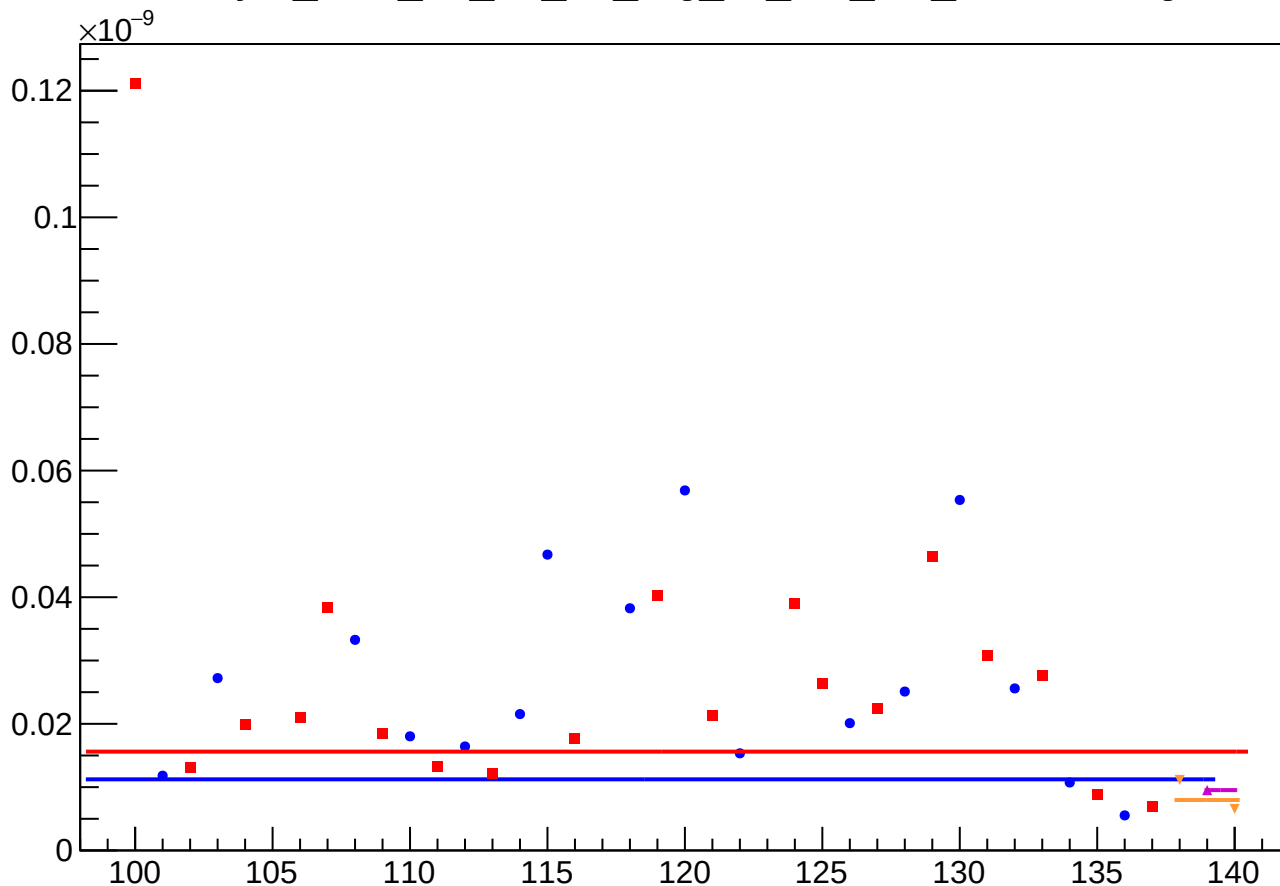
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 7.3/17

All: 0.000 ± 0.000 χ^2/NDF : 36.9/37

- sign -0.000 ± 0.000 χ^2/NDF : 27.1/19

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 101177.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1184320.2/18

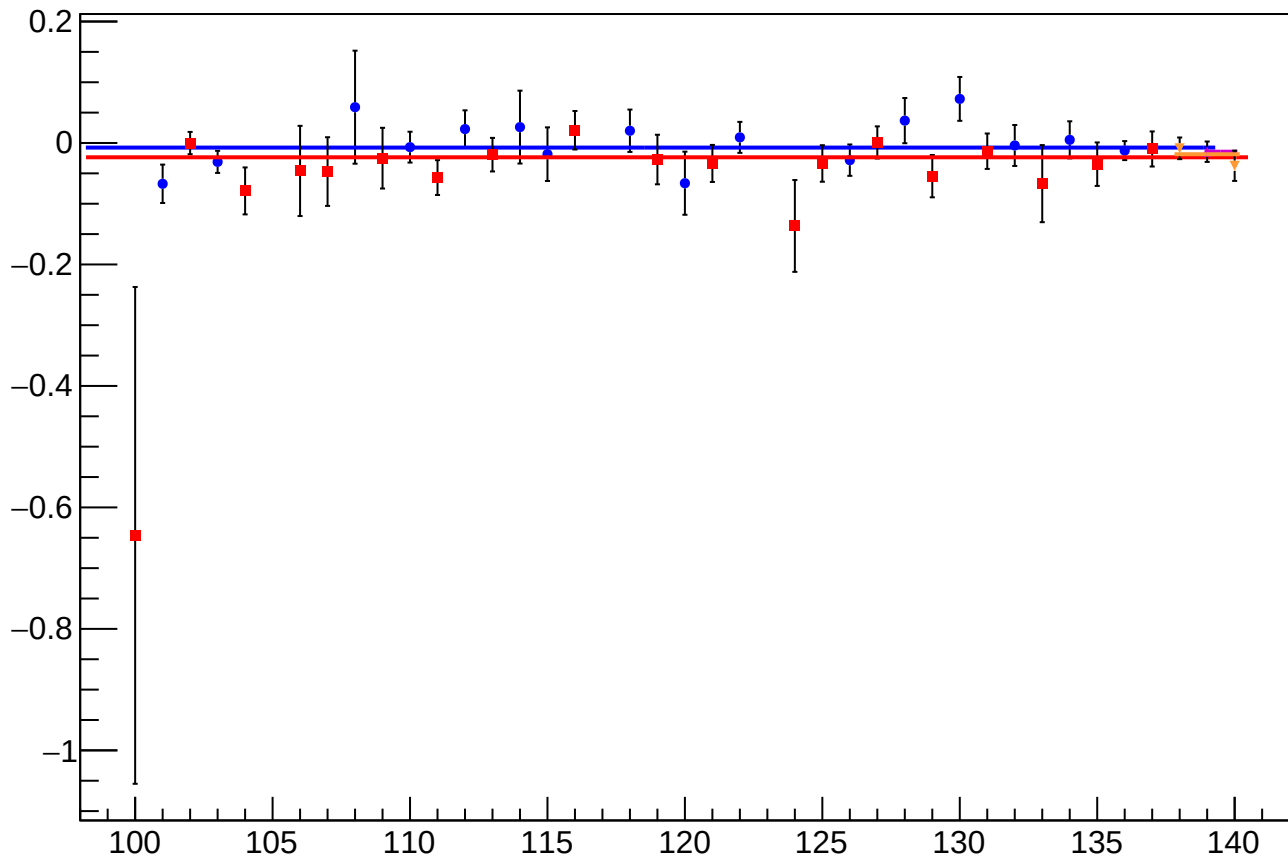
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2344060.4/17

All: 0.000+/-0.000 χ^2/NDF : 4016965.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1391797.5/19

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: -0.019 ± 0.014 χ^2/NDF : 0.9/1

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

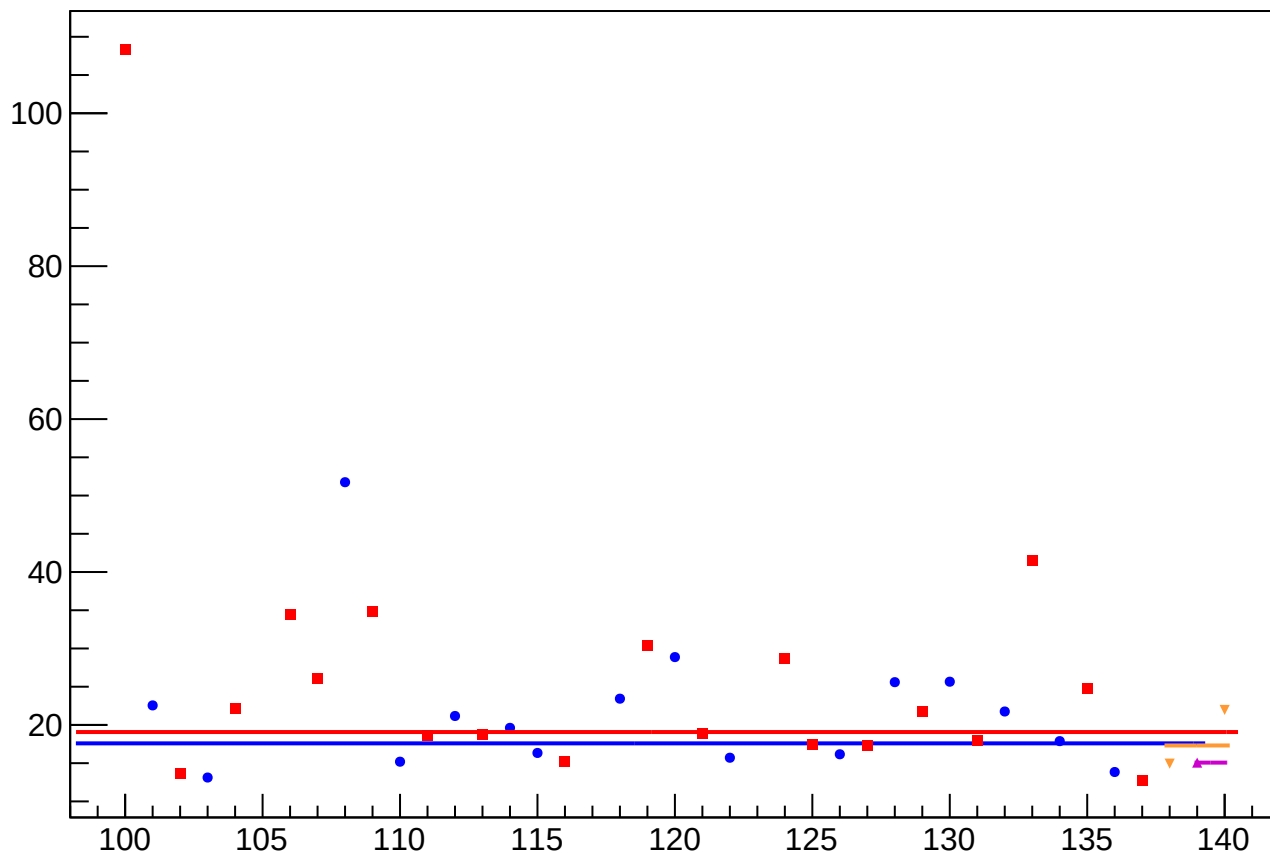
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/37

- sign -0.022 ± 0.007 χ^2/NDF : 14.9/19

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: 17.316+/-0.010 χ^2/NDF : 105193.3/1

Right Out: 19.072+/-0.005 χ^2/NDF : 1247983.1/18

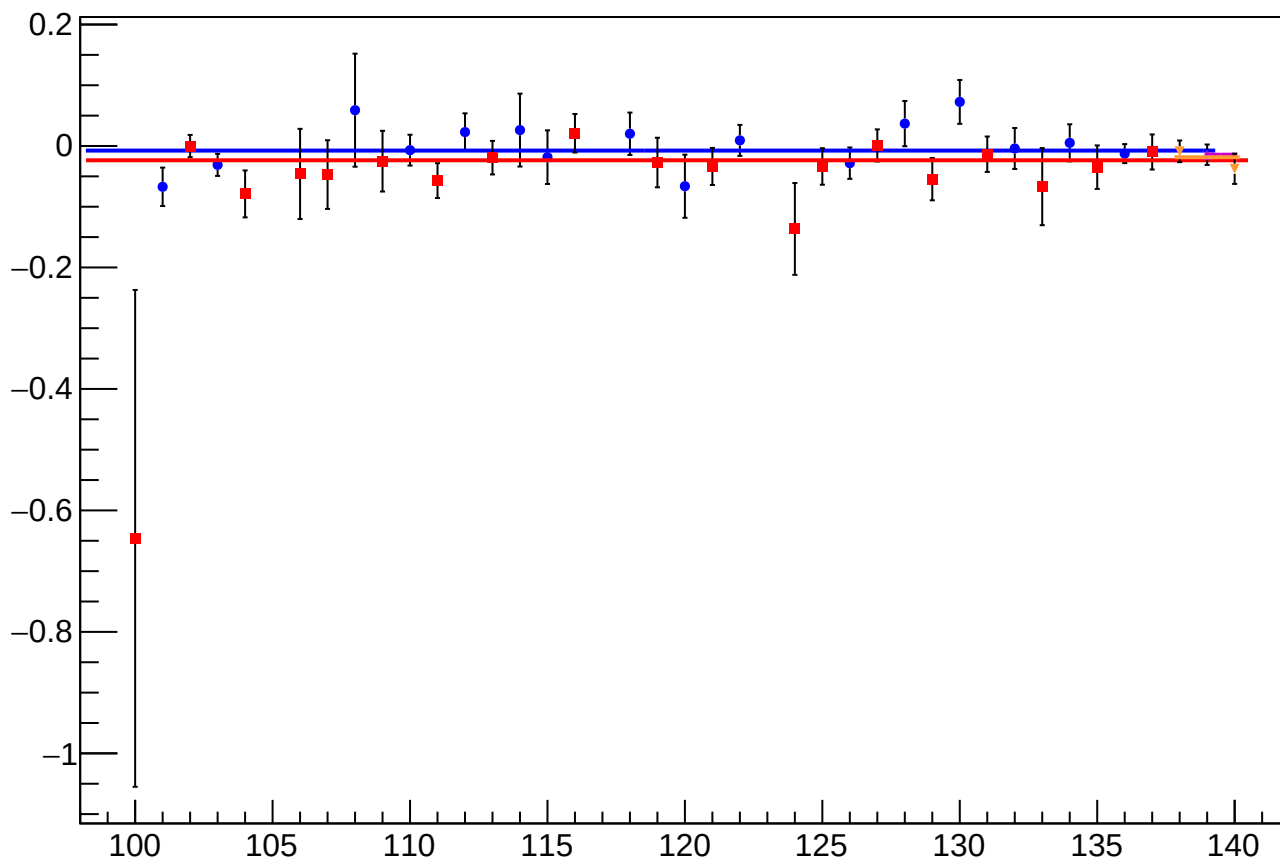
Left In: 15.073+/-0.012 χ^2/NDF : 0.0/0

+ sign 17.537+/-0.005 χ^2/NDF : 1099022.5/17

All: 17.918+/-0.003 χ^2/NDF : 2455777.7/37

- sign 18.371+/-0.005 χ^2/NDF : 1341459.2/19

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 16.7/15

Left Out: -0.019 ± 0.014 χ^2/NDF : 0.9/1

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

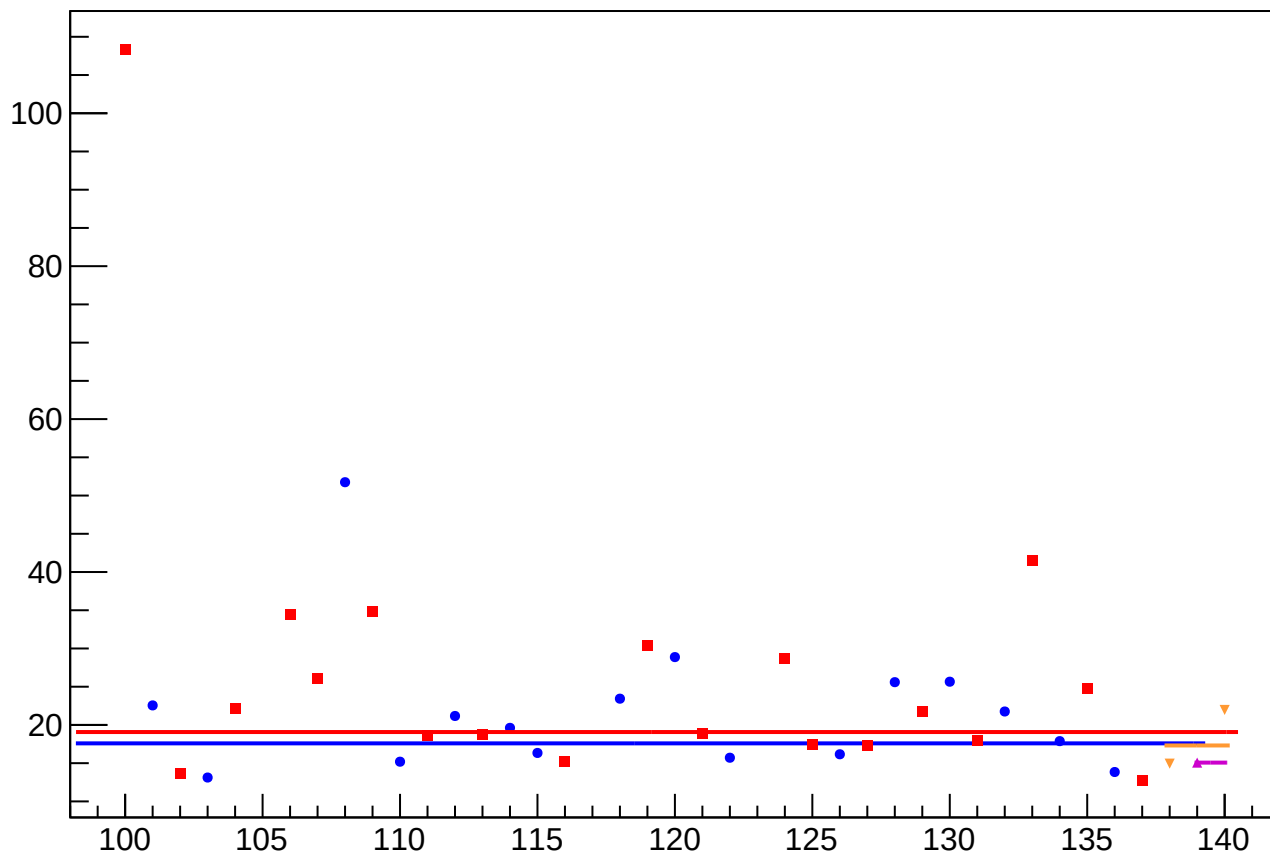
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/37

- sign -0.022 ± 0.007 χ^2/NDF : 14.9/19

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2 /NDF: 993249.5/15

Left Out: 17.316 $\pm$ 0.010 χ^2 /NDF: 105193.3/1

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247983.1/18

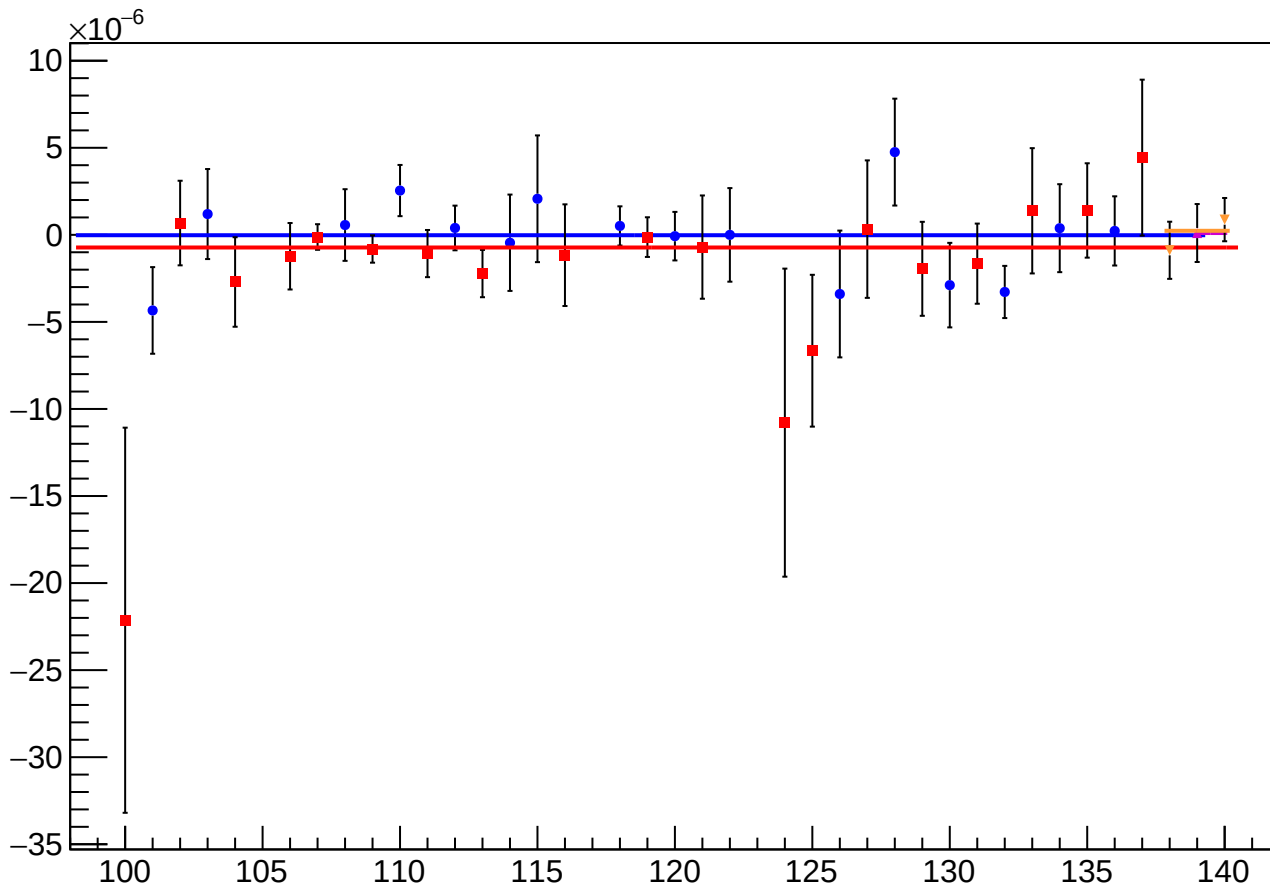
Left In: 15.073 $\pm$ 0.012 χ^2 /NDF: 0.0/0

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099022.5/17

All: 17.918 $\pm$ 0.003 χ^2 /NDF: 2455777.7/37

- sign 18.371 $\pm$ 0.005 χ^2 /NDF: 1341459.2/19

asym_sam_15_37_dd_eigen_dit_vs_dit_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 : 0.7/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.9/18

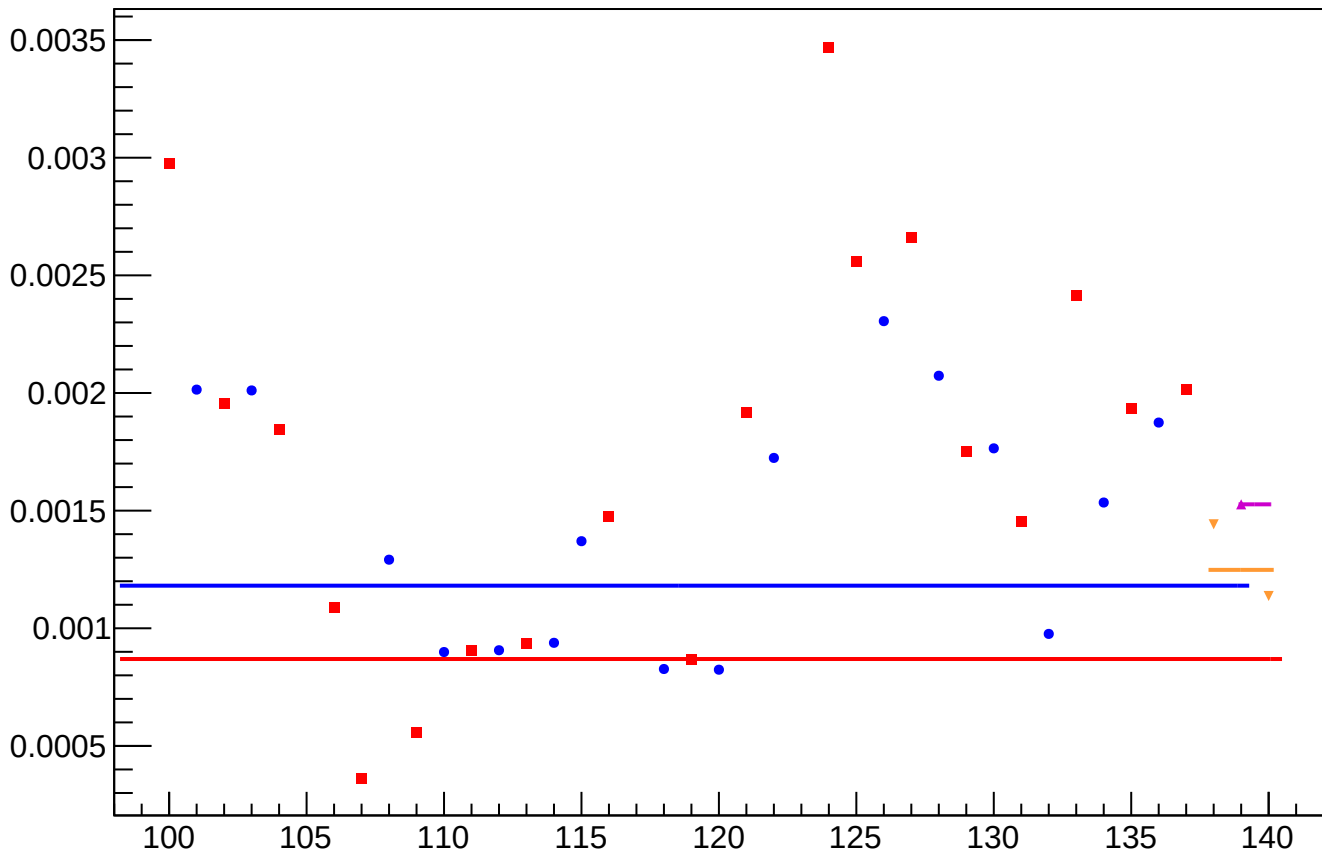
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 17.3/17

All: -0.000 ± 0.000 χ^2/NDF : 32.0/37

- sign -0.000 ± 0.000 χ^2/NDF : 13.1/19

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 1828304.9/15

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 43811.2/1

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4435351.6/18

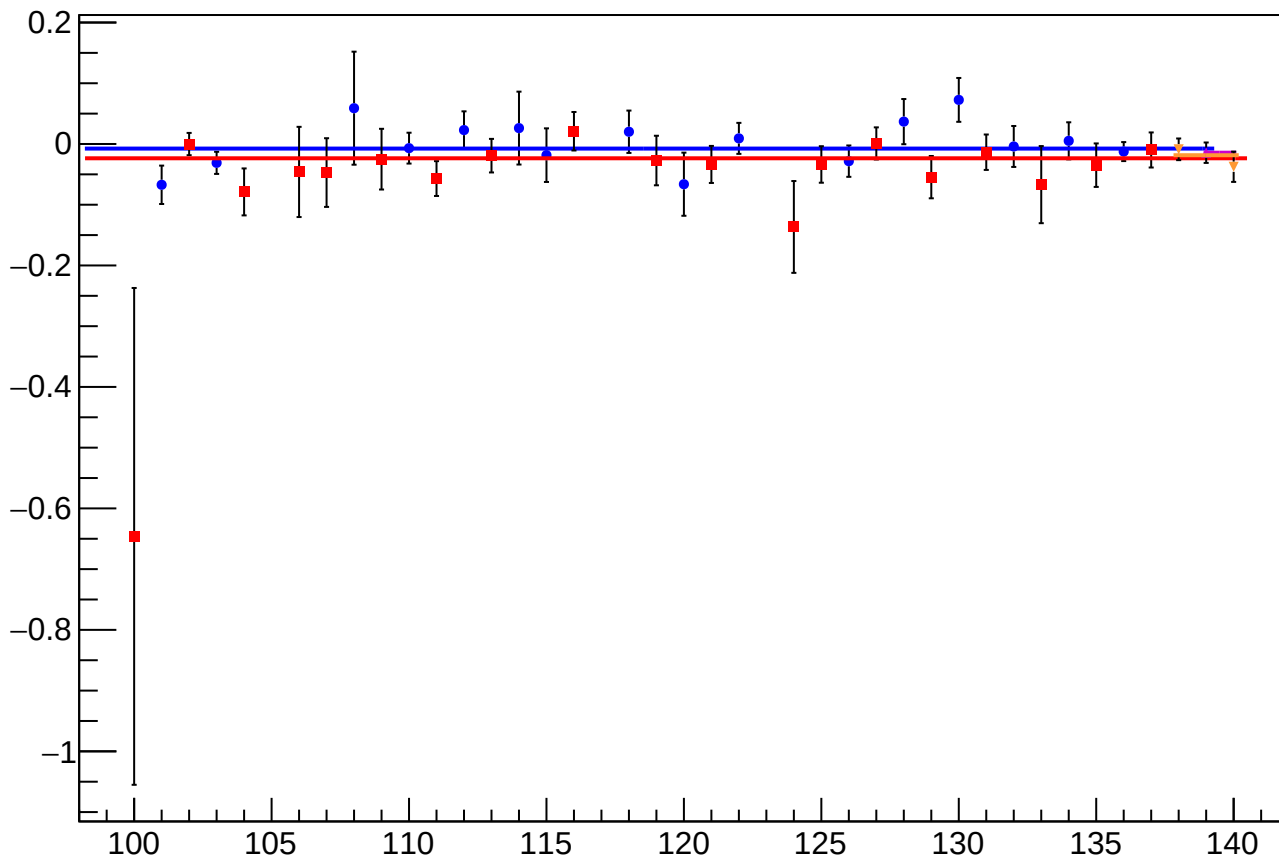
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 1879599.8/17

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 7141725.8/37

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4731689.2/19

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 16.7/15

Left Out: -0.019 ± 0.014 χ^2/NDF : 0.9/1

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

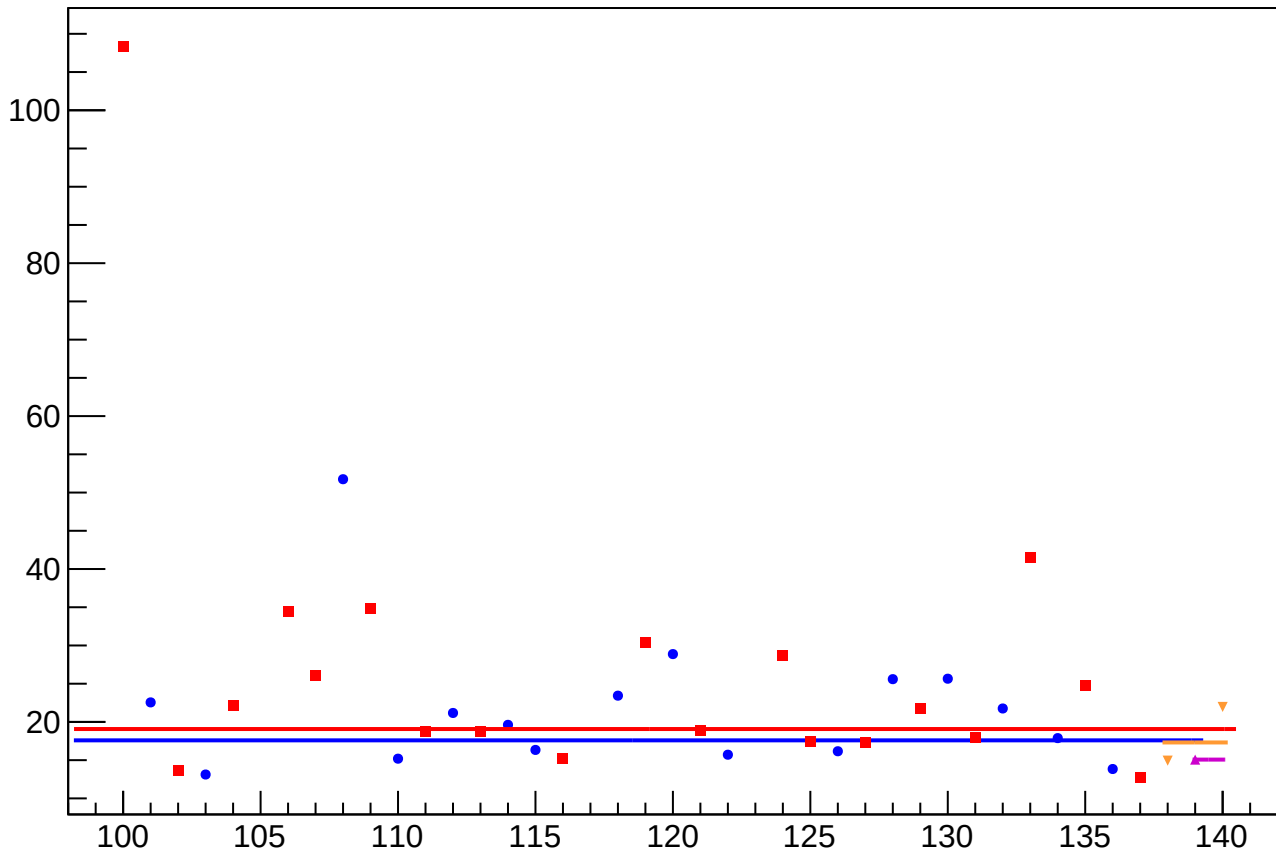
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/37

- sign -0.022 ± 0.007 χ^2/NDF : 14.9/19

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2 /NDF: 993288.6/15

Left Out: 17.316 $\pm$ 0.010 χ^2 /NDF: 105195.1/1

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247904.7/18

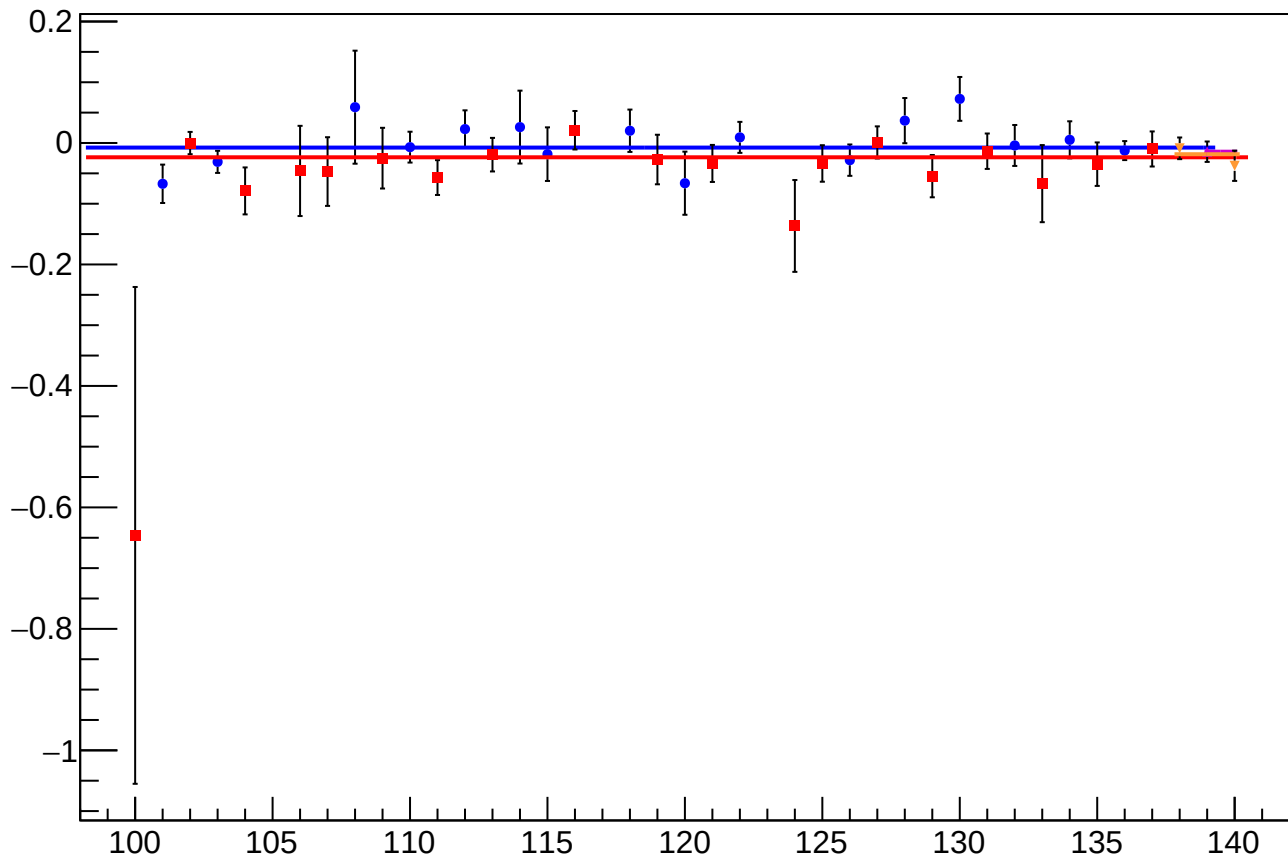
Left In: 15.073 $\pm$ 0.012 χ^2 /NDF: 0.0/0

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099063.1/17

All: 17.918 $\pm$ 0.003 χ^2 /NDF: 2455749.6/37

- sign 18.372 $\pm$ 0.005 χ^2 /NDF: 1341380.9/19

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 16.7/15

Left Out: -0.019 ± 0.014 χ^2/NDF : 0.9/1

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

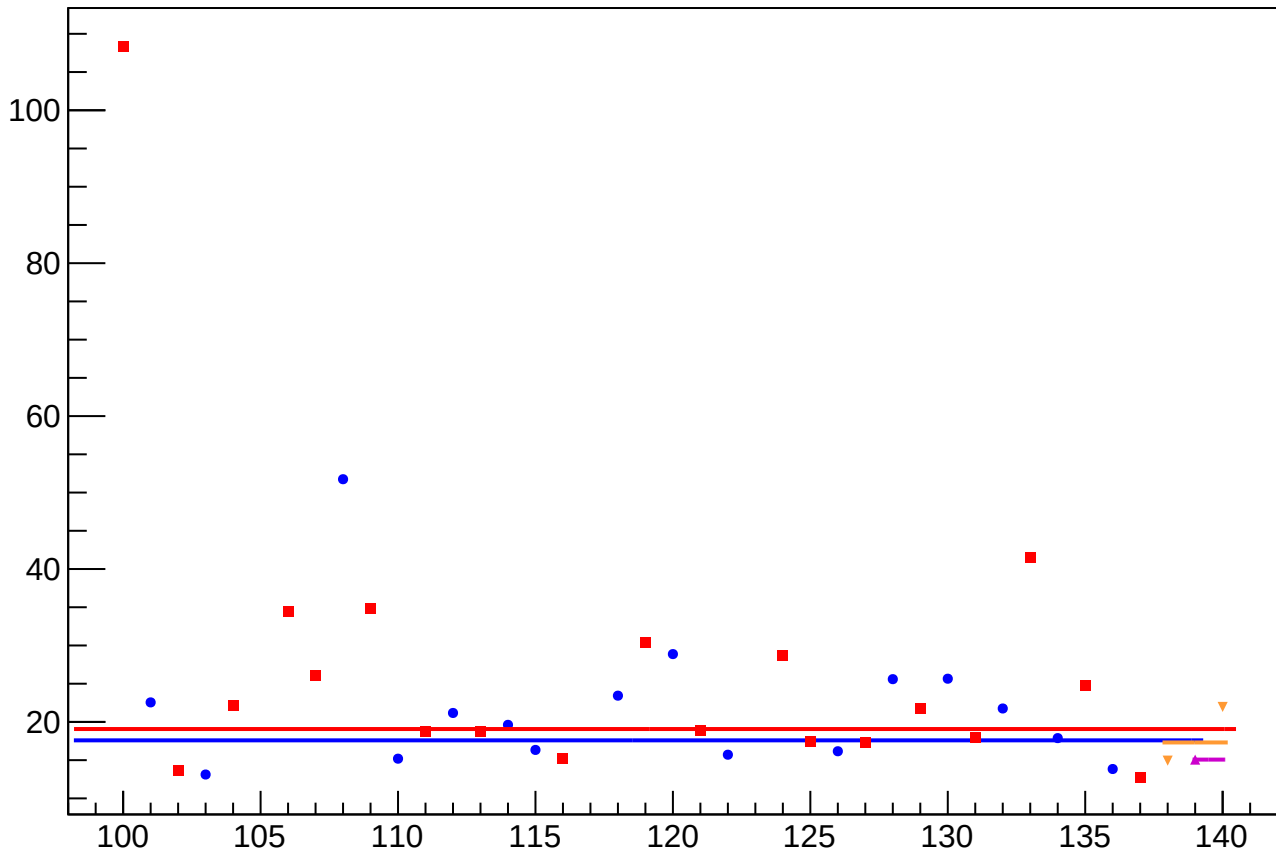
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/37

- sign -0.022 ± 0.007 χ^2/NDF : 14.9/19

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2 /NDF: 993288.6/15

Left Out: 17.316 $\pm$ 0.010 χ^2 /NDF: 105195.1/1

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247904.7/18

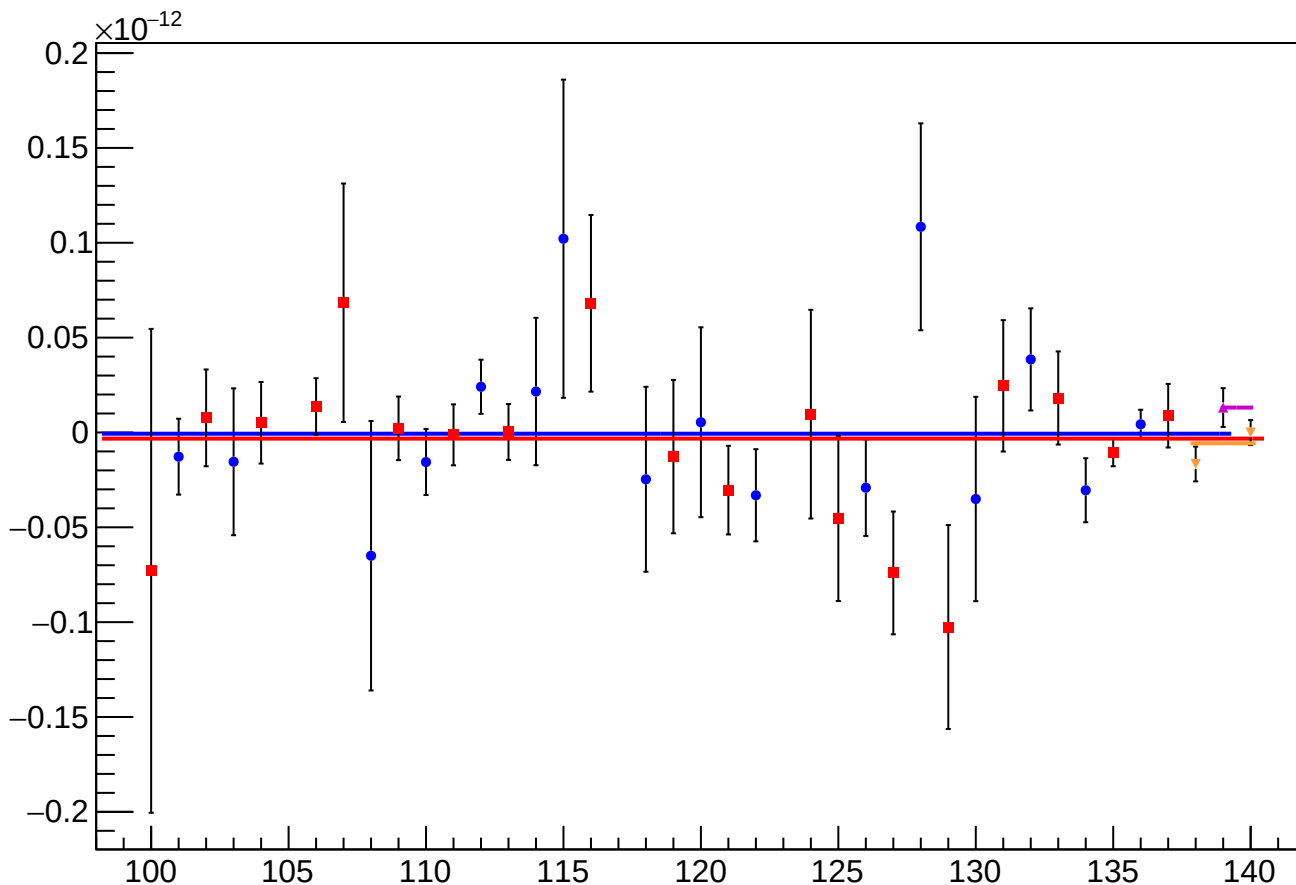
Left In: 15.073 $\pm$ 0.012 χ^2 /NDF: 0.0/0

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099063.1/17

All: 17.918 $\pm$ 0.003 χ^2 /NDF: 2455749.6/37

- sign 18.372 $\pm$ 0.005 χ^2 /NDF: 1341380.9/19

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF : 2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF : 19.2/18

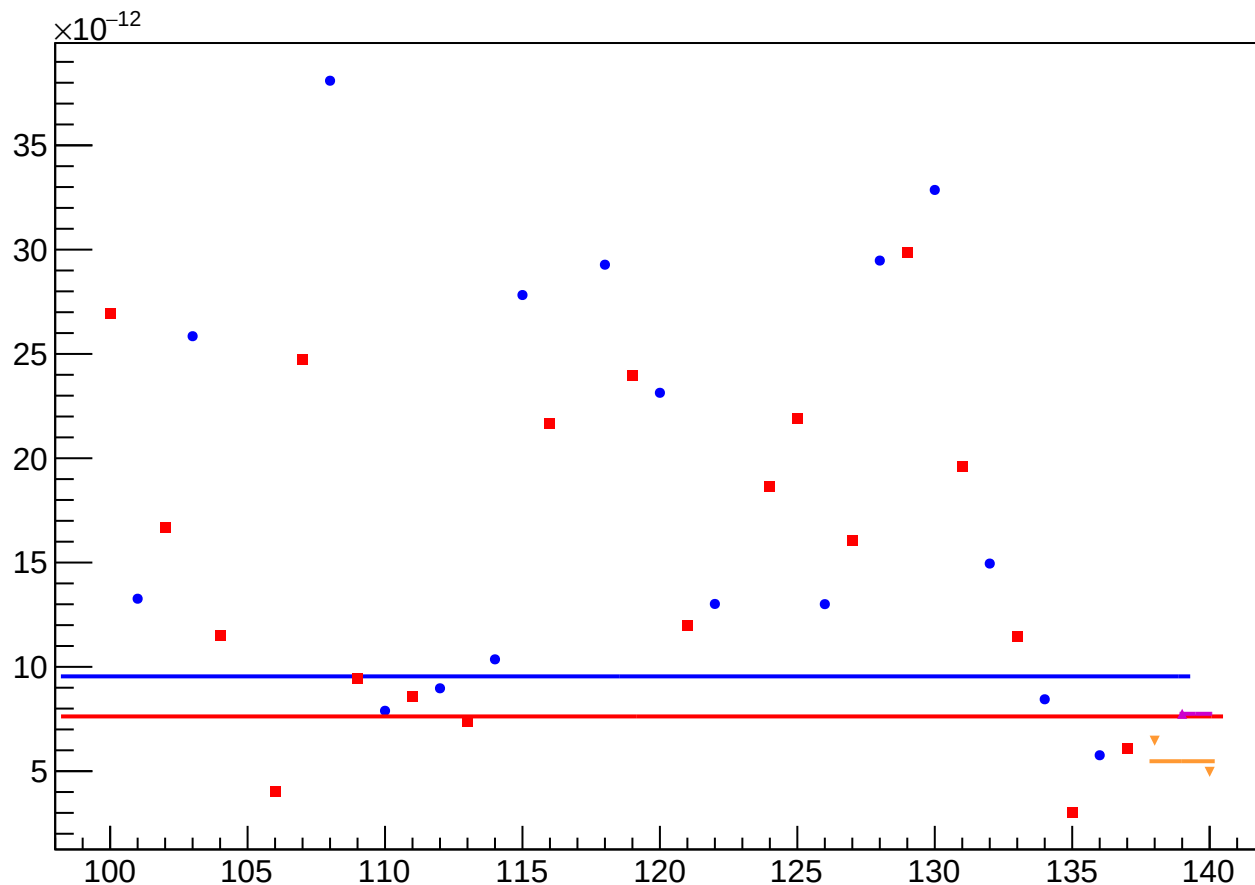
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 22.9/17

All: -0.000+/-0.000 χ^2/NDF : 44.4/37

- sign -0.000+/-0.000 χ^2/NDF : 21.3/19

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 35036.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3086000.4/18

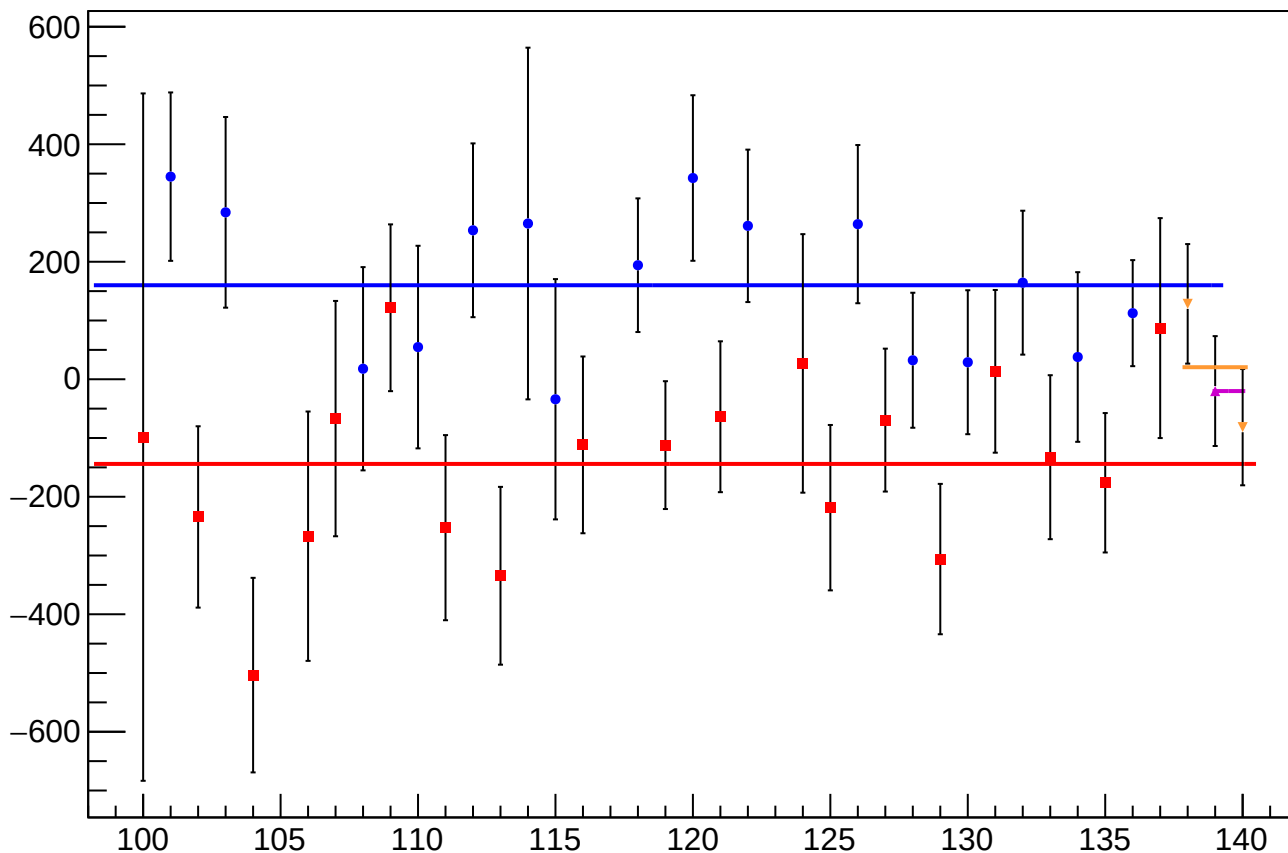
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3277811.3/17

All: 0.000+/-0.000 χ^2/NDF : 6364113.8/37

- sign 0.000+/-0.000 χ^2/NDF : 3086258.1/19

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: 20.498 $\pm$ 70.931 χ^2 /NDF:2.2/1

Right Out: -144.117 $\pm$ 34.213 χ^2 /NDF: 17.4/18

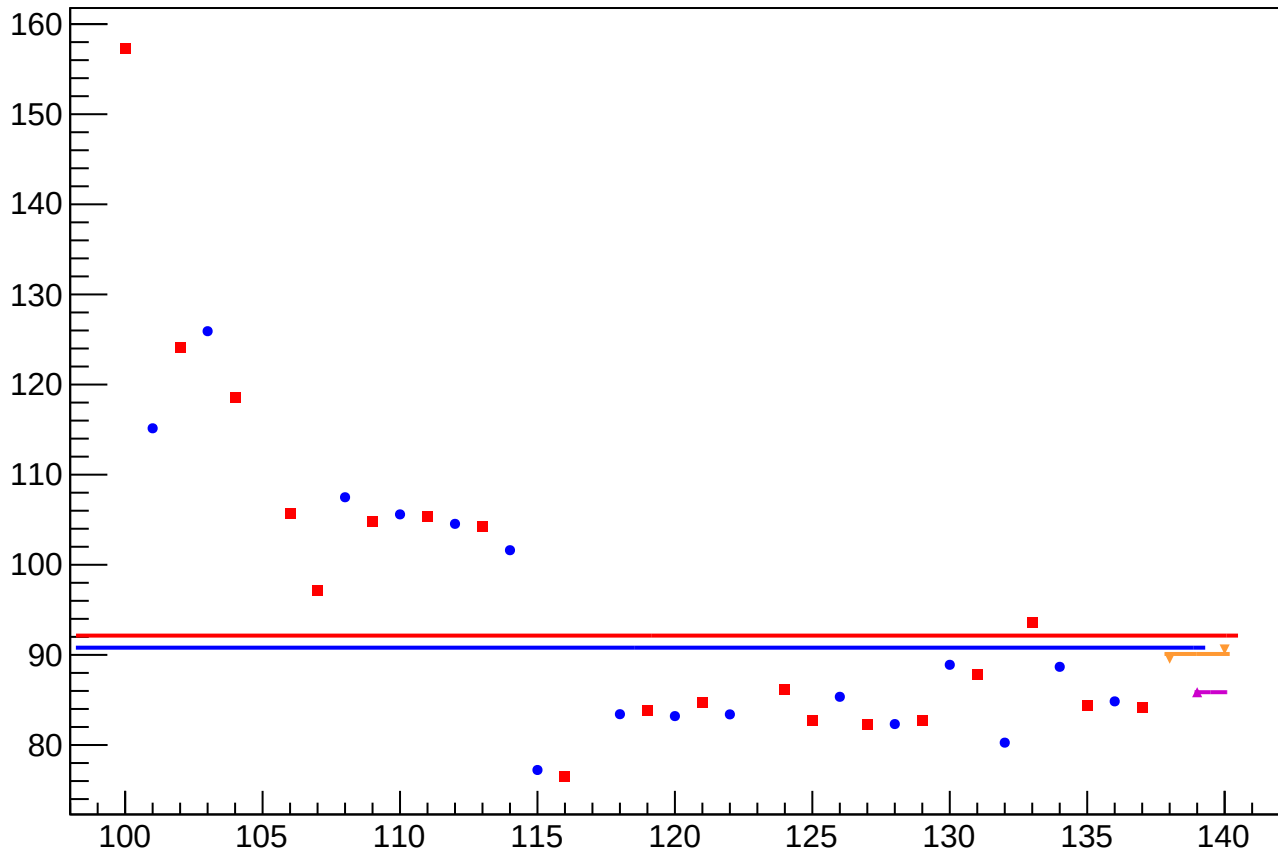
Left In: -20.105 $\pm$ 93.509 χ^2 /NDF:0.0/0

+ sign 133.744 $\pm$ 30.784 χ^2 /NDF: 16.4/17

All: 7.764 $\pm$ 22.228 χ^2 /NDF: 70.3/37

- sign -129.475 $\pm$ 32.130 χ^2 /NDF: 18.9/19

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272755.2/15

Left Out: 90.103 $\pm$ 0.050 χ^2 /NDF: 104.5/1

Right Out: 92.141 $\pm$ 0.024 χ^2 /NDF: 302032.4/18

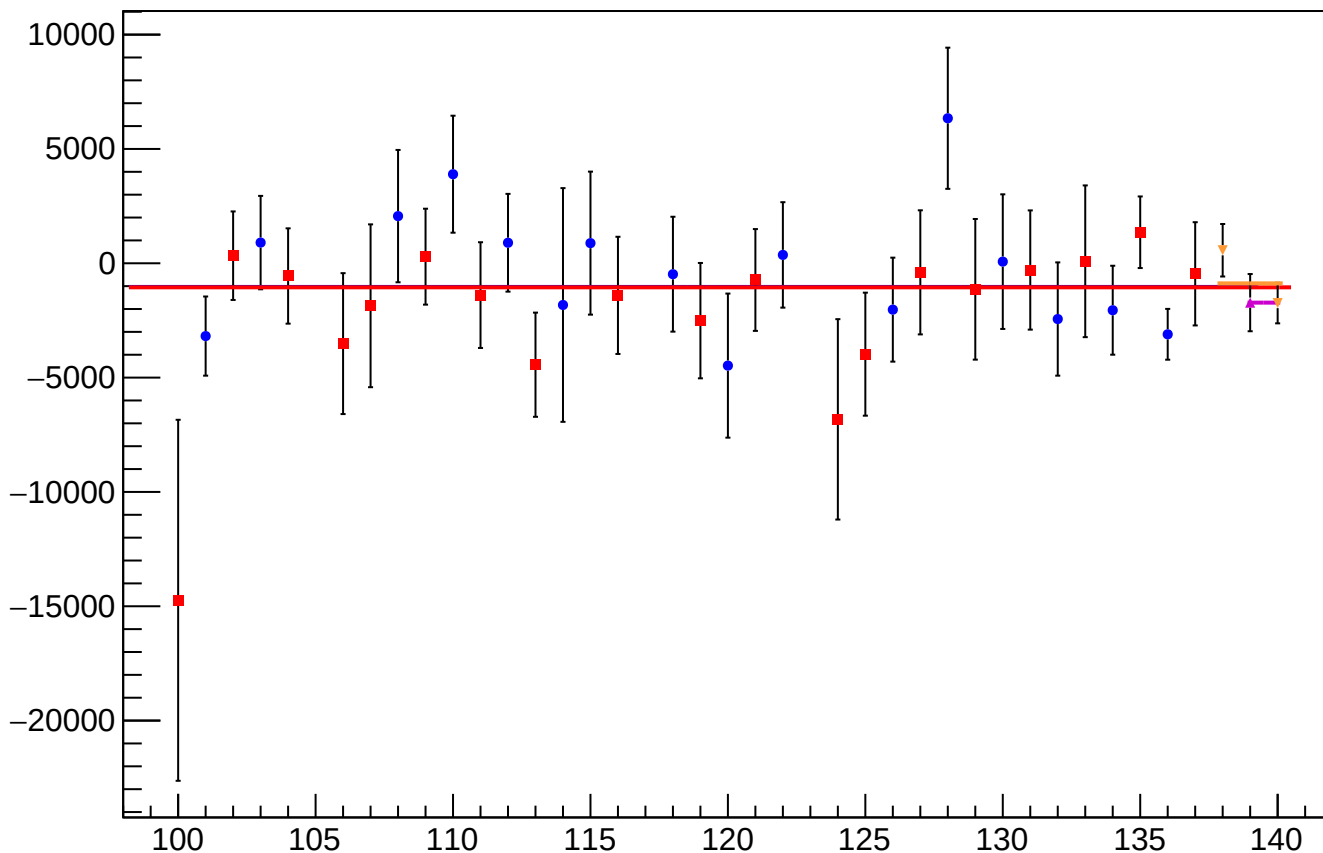
Left In: 85.860 $\pm$ 0.066 χ^2 /NDF: 0.0/0

+ sign 90.670 $\pm$ 0.022 χ^2 /NDF: 273017.4/17

All: 91.019 $\pm$ 0.016 χ^2 /NDF: 583546.4/37

- sign 91.400 $\pm$ 0.023 χ^2 /NDF: 309991.5/19

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032 $\pm$ 550.207 χ^2 /NDF: 20.2/15

Left Out: -878.811 $\pm$ 701.455 χ^2 /NDF: 2.5/1

Right Out: -1051.517 $\pm$ 568.935 χ^2 /NDF: 12.9/18

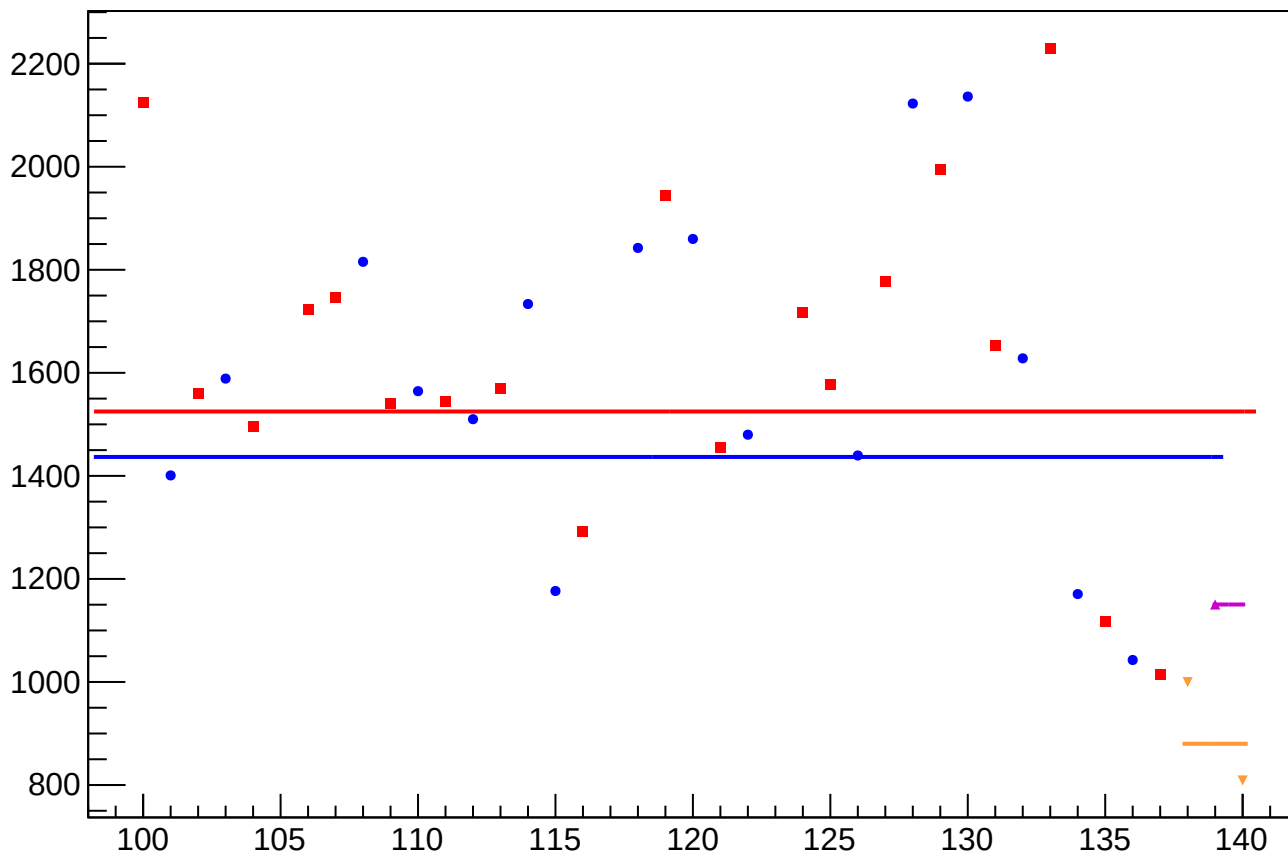
Left In: -1721.420 $\pm$ 1251.006 χ^2 /NDF: 0.0/0

+ sign -975.527 $\pm$ 432.918 χ^2 /NDF: 22.8/17

All: -1054.010 $\pm$ 332.154 χ^2 /NDF: 36.0/37

- sign -1166.325 $\pm$ 517.893 χ^2 /NDF: 13.1/19

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734 $\pm$ 0.389 χ^2 /NDF: 675672.3/15

Left Out: 880.052 $\pm$ 0.496 χ^2 /NDF: 34640.2/1

Right Out: 1524.955 $\pm$ 0.402 χ^2 /NDF: 504563.9/18

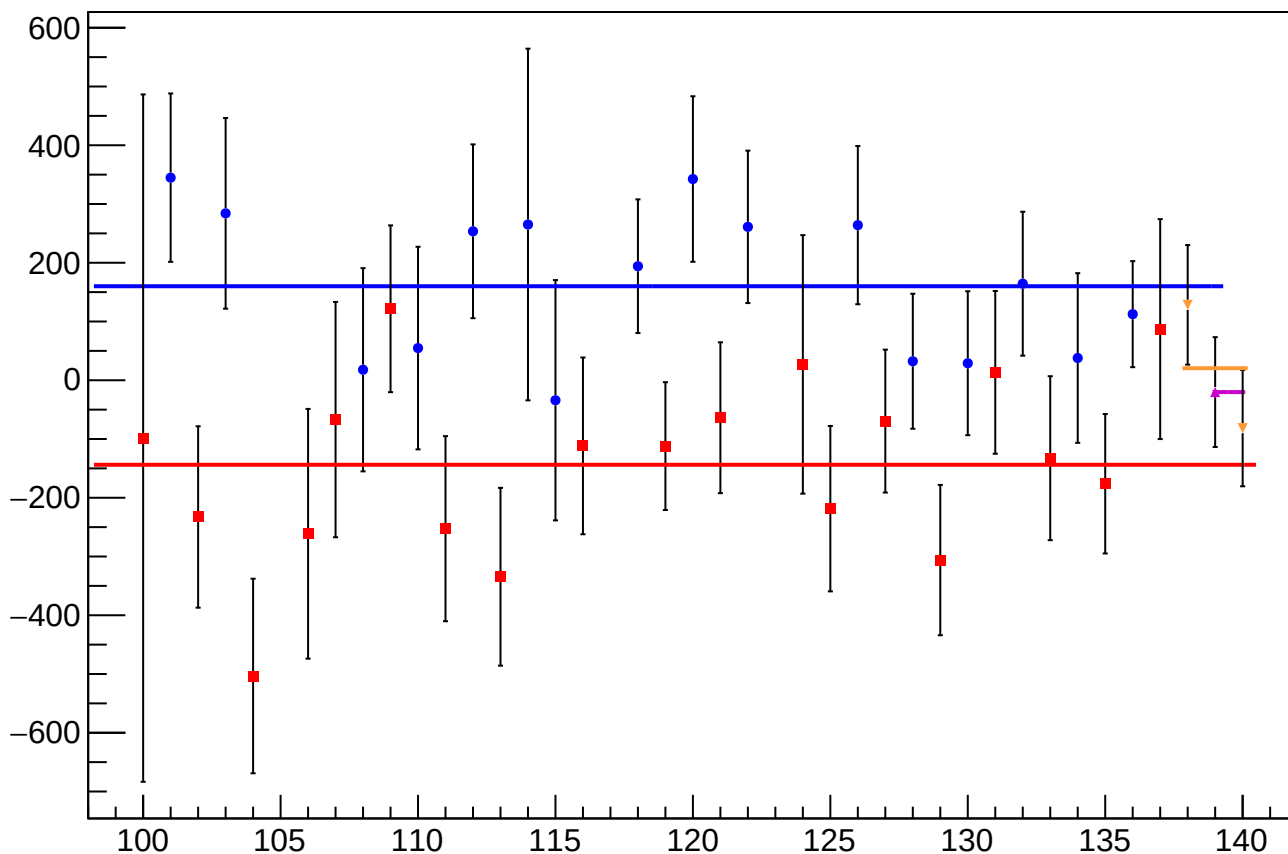
Left In: 1150.365 $\pm$ 0.885 χ^2 /NDF: 0.0/0

+ sign 1224.693 $\pm$ 0.306 χ^2 /NDF: 1490151.0/17

All: 1321.795 $\pm$ 0.235 χ^2 /NDF: 2387914.1/37

- sign 1460.758 $\pm$ 0.366 χ^2 /NDF: 653150.7/19

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: 20.505 $\pm$ 70.931 χ^2 /NDF:2.2/1

Right Out: -143.862 $\pm$ 34.216 χ^2 /NDF: 17.3/18

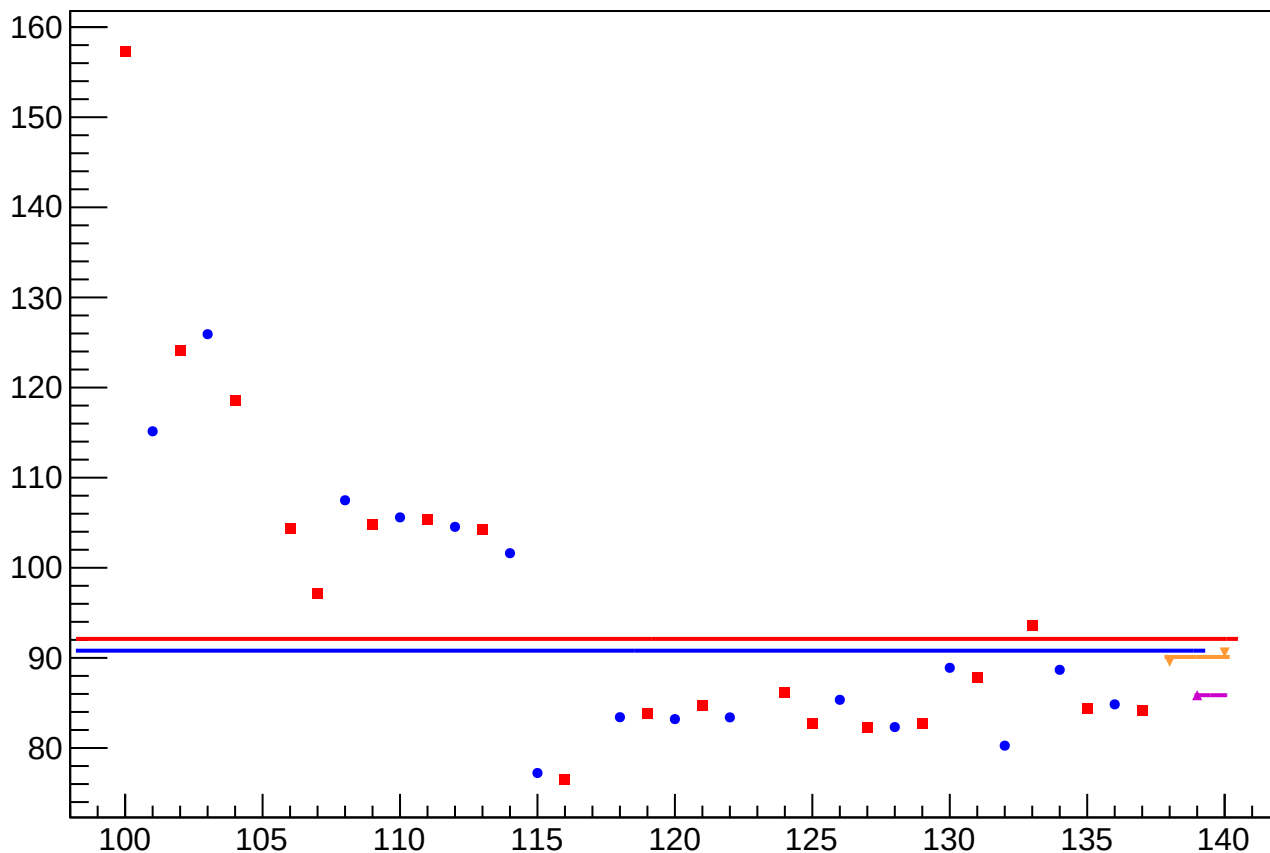
Left In: -20.122 $\pm$ 93.509 χ^2 /NDF:0.0/0

+ sign 133.742 $\pm$ 30.784 χ^2 /NDF: 16.4/17

All: 7.878 $\pm$ 22.229 χ^2 /NDF: 70.2/37

- sign -129.251 $\pm$ 32.132 χ^2 /NDF: 18.9/19

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272757.0/15

Left Out: 90.103 $\pm$ 0.050 χ^2 /NDF:104.5/1

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

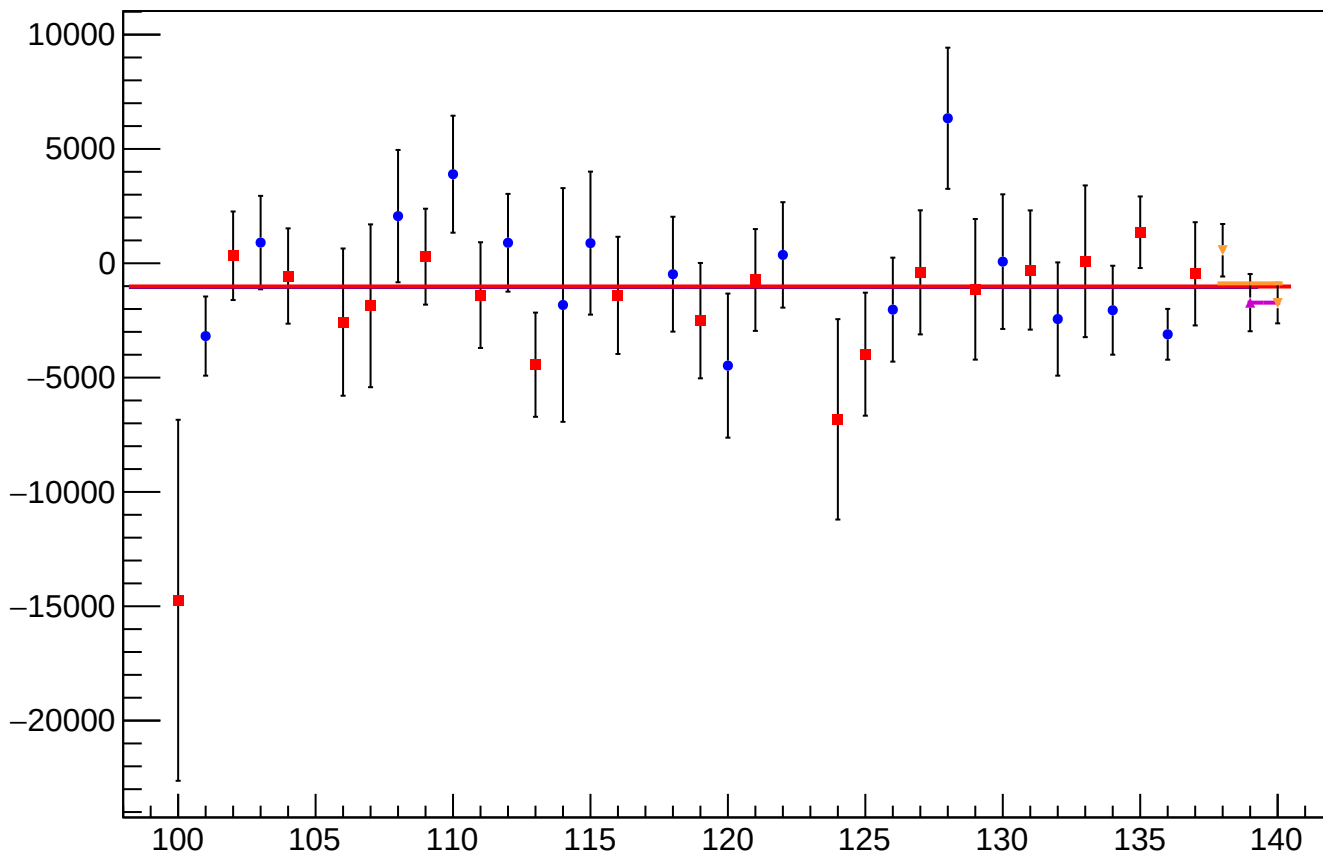
Left In: 85.860 $\pm$ 0.066 χ^2 /NDF:0.0/0

+ sign 90.670 $\pm$ 0.022 χ^2 /NDF: 273019.2/17

All: 91.005 $\pm$ 0.016 χ^2 /NDF: 582157.8/37

- sign 91.370 $\pm$ 0.023 χ^2 /NDF: 308643.4/19

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF : 20.2/15

Left Out: -878.790+/-701.455 χ^2/NDF : 2.5/1

Right Out: -1015.387+/-569.773 χ^2/NDF : 12.5/18

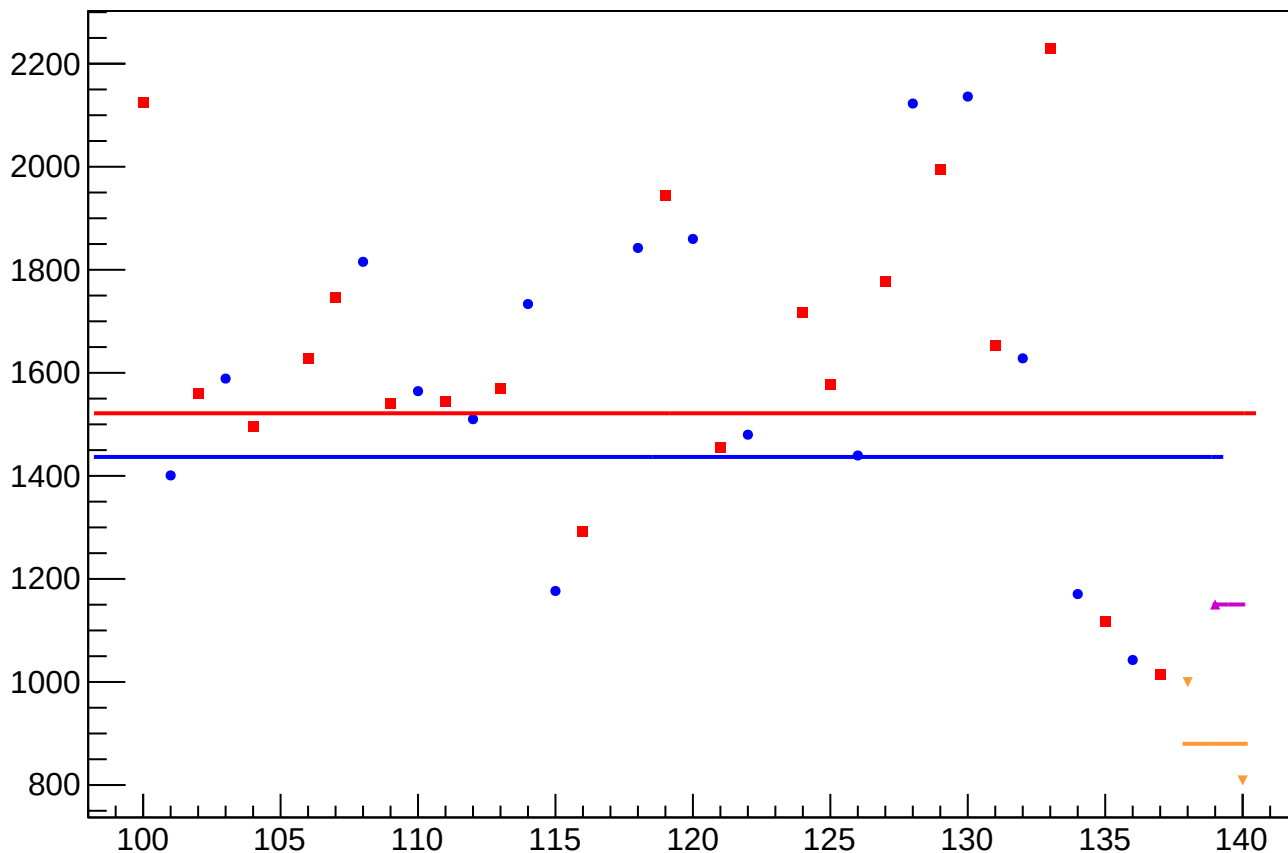
Left In: -1721.434+/-1251.006 χ^2/NDF : 0.0/0

+ sign -975.505+/-432.919 χ^2/NDF : 22.8/17

All: -1041.709+/-332.321 χ^2/NDF : 35.6/37

- sign -1136.685+/-518.525 χ^2/NDF : 12.7/19

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738 $\pm$ 0.389 χ^2 /NDF: 675680.8/15

Left Out: 880.052 $\pm$ 0.496 χ^2 /NDF: 34640.6/1

Right Out: 1521.496 $\pm$ 0.403 χ^2 /NDF: 498363.4/18

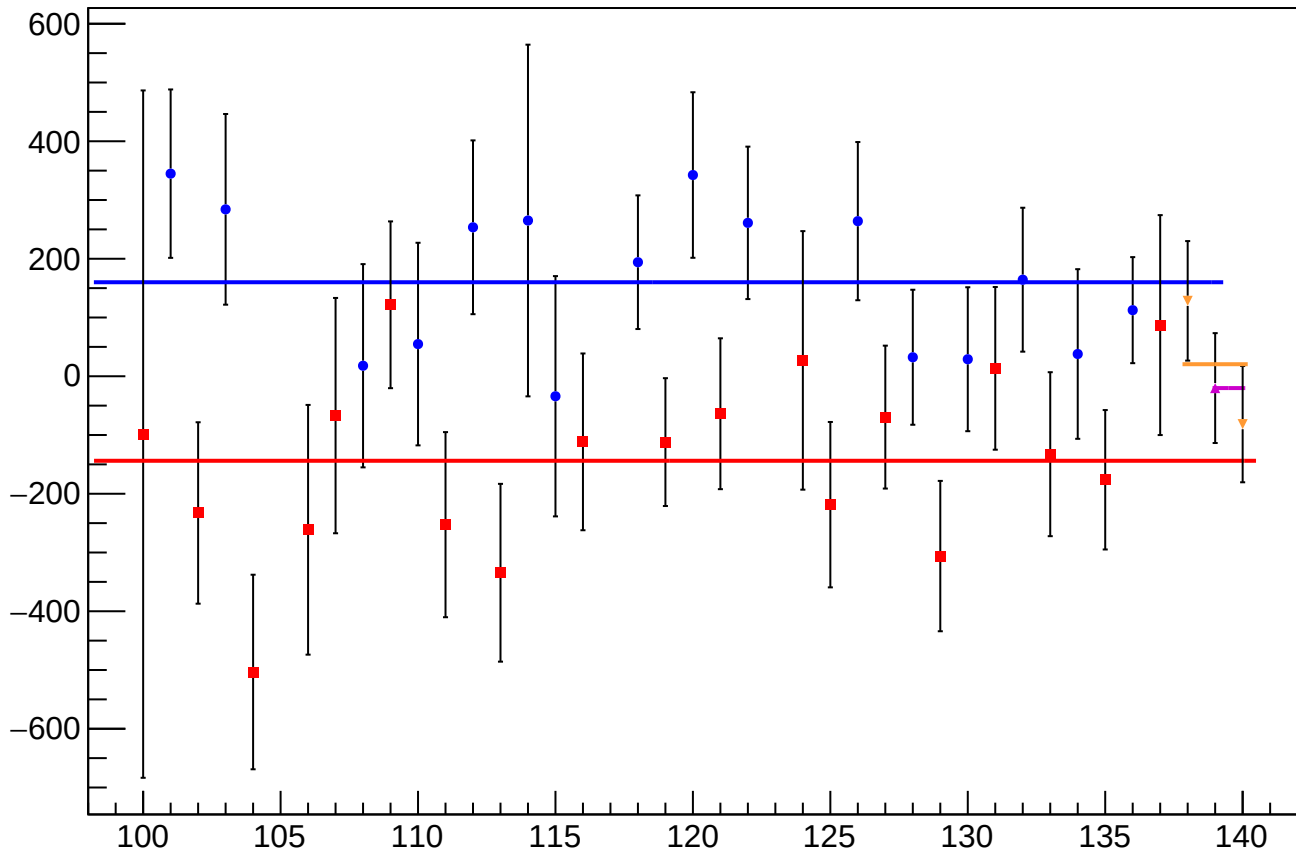
Left In: 1150.364 $\pm$ 0.885 χ^2 /NDF: 0.0/0

+ sign 1224.694 $\pm$ 0.306 χ^2 /NDF: 1490169.7/17

All: 1320.416 $\pm$ 0.235 χ^2 /NDF: 2372360.3/37

- sign 1457.736 $\pm$ 0.367 χ^2 /NDF: 644145.3/19

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: 20.505 $\pm$ 70.931 χ^2 /NDF:2.2/1

Right Out: -143.862 $\pm$ 34.216 χ^2 /NDF: 17.3/18

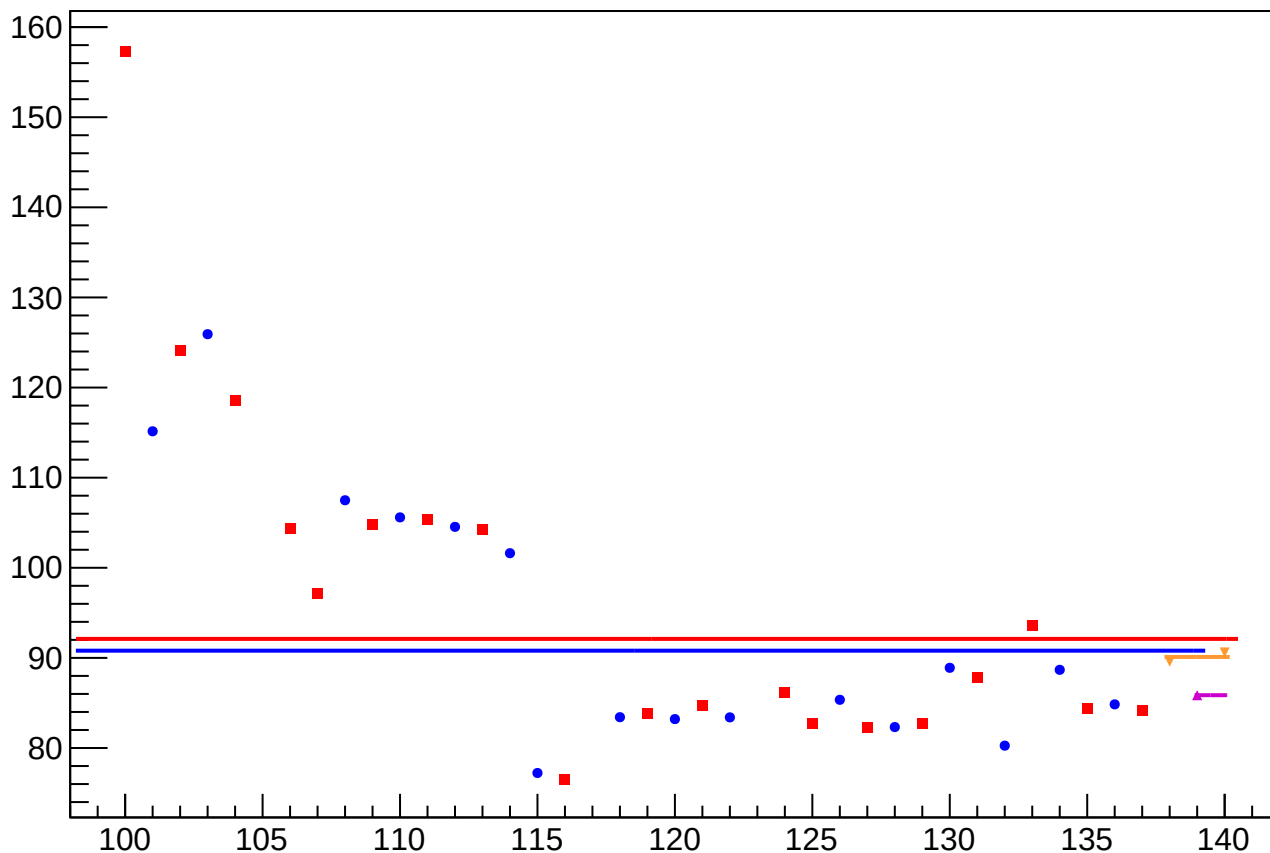
Left In: -20.122 $\pm$ 93.509 χ^2 /NDF:0.0/0

+ sign 133.742 $\pm$ 30.784 χ^2 /NDF: 16.4/17

All: 7.878 $\pm$ 22.229 χ^2 /NDF: 70.2/37

- sign -129.251 $\pm$ 32.132 χ^2 /NDF: 18.9/19

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272757.0/15

Left Out: 90.103 $\pm$ 0.050 χ^2 /NDF:104.5/1

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

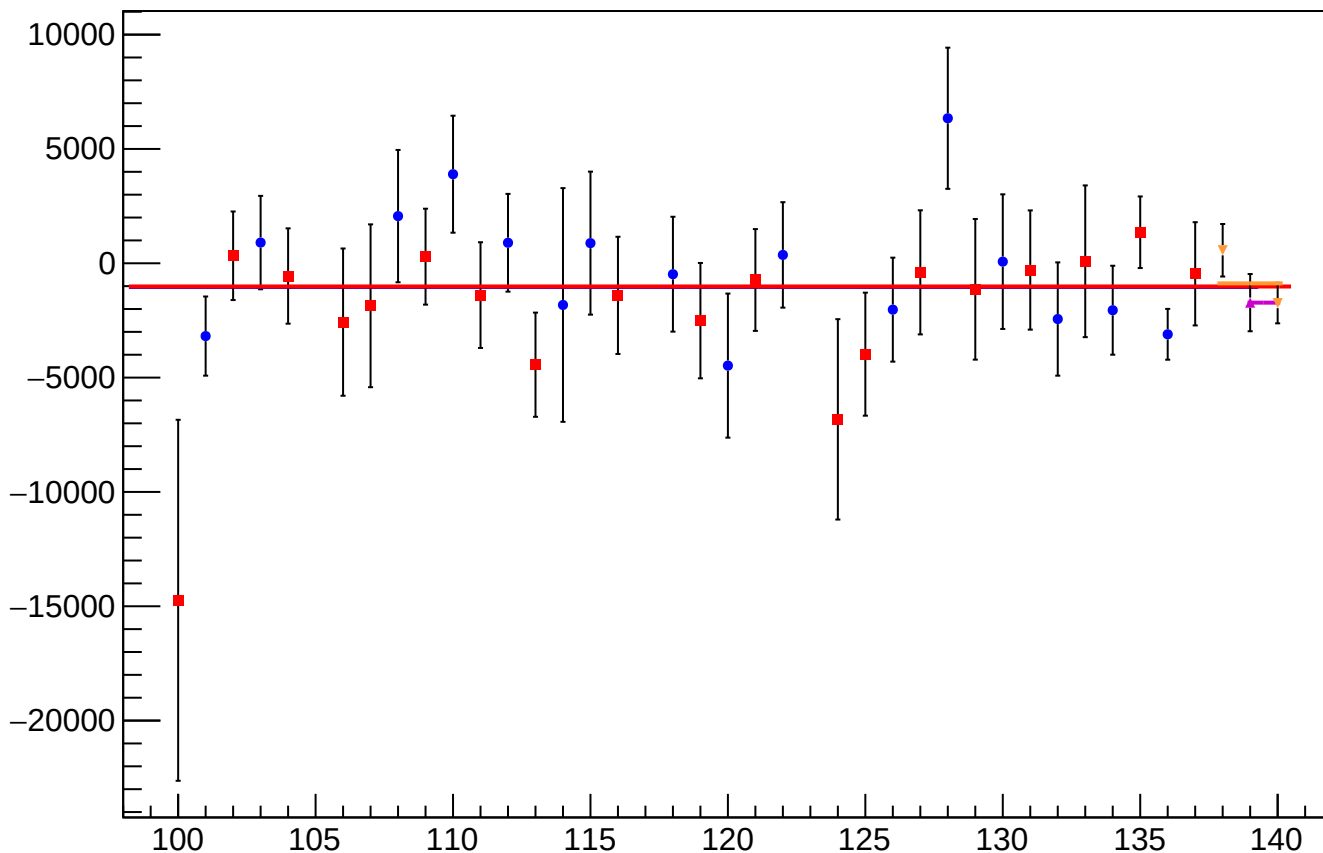
Left In: 85.860 $\pm$ 0.066 χ^2 /NDF:0.0/0

+ sign 90.670 $\pm$ 0.022 χ^2 /NDF: 273019.2/17

All: 91.005 $\pm$ 0.016 χ^2 /NDF: 582157.8/37

- sign 91.370 $\pm$ 0.023 χ^2 /NDF: 308643.4/19

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF : 20.2/15

Left Out: -878.790+/-701.455 χ^2/NDF : 2.5/1

Right Out: -1015.387+/-569.773 χ^2/NDF : 12.5/18

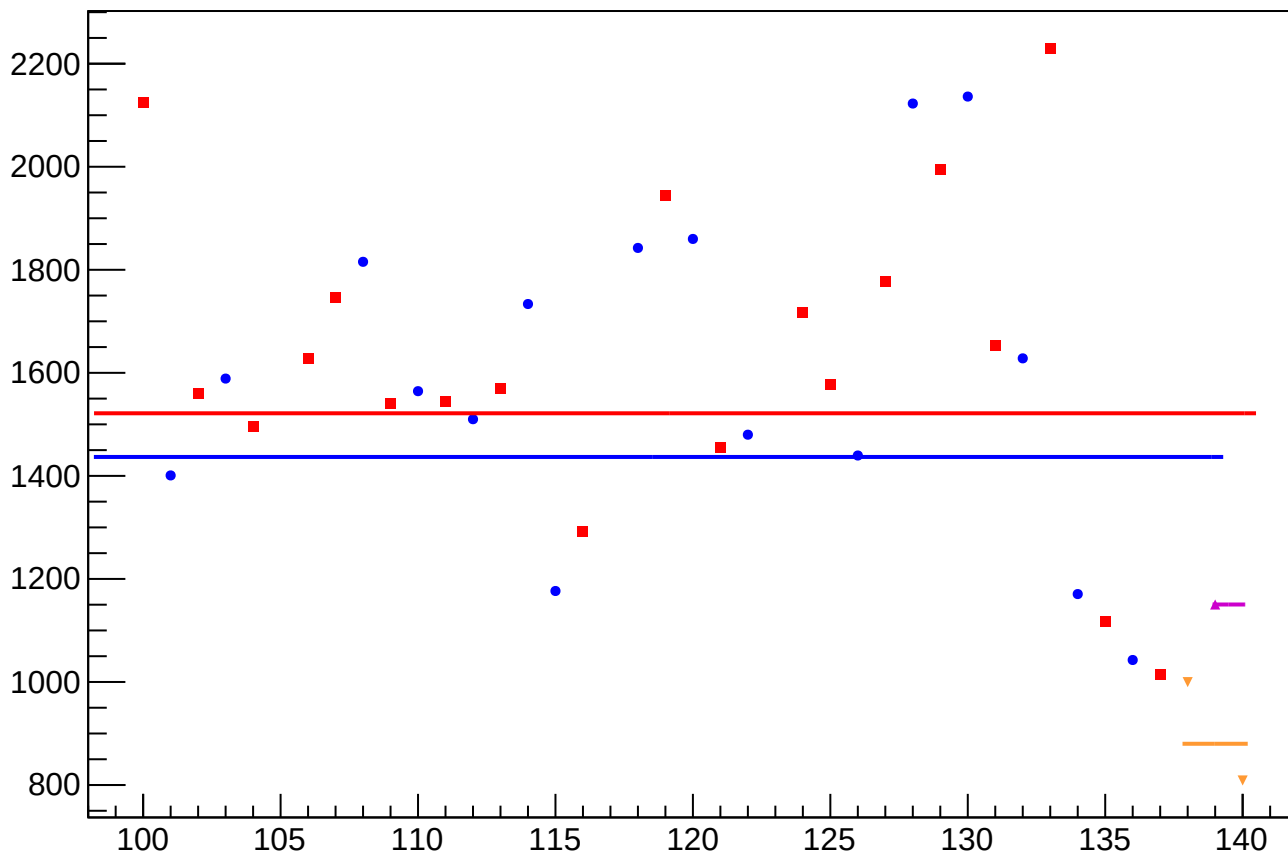
Left In: -1721.434+/-1251.006 χ^2/NDF : 0.0/0

+ sign -975.505+/-432.919 χ^2/NDF : 22.8/17

All: -1041.709+/-332.321 χ^2/NDF : 35.6/37

- sign -1136.685+/-518.525 χ^2/NDF : 12.7/19

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738 $\pm$ 0.389 χ^2 /NDF: 675680.8/15

Left Out: 880.052 $\pm$ 0.496 χ^2 /NDF:34640.6/1

Right Out: 1521.496 $\pm$ 0.403 χ^2 /NDF: 498363.4/18

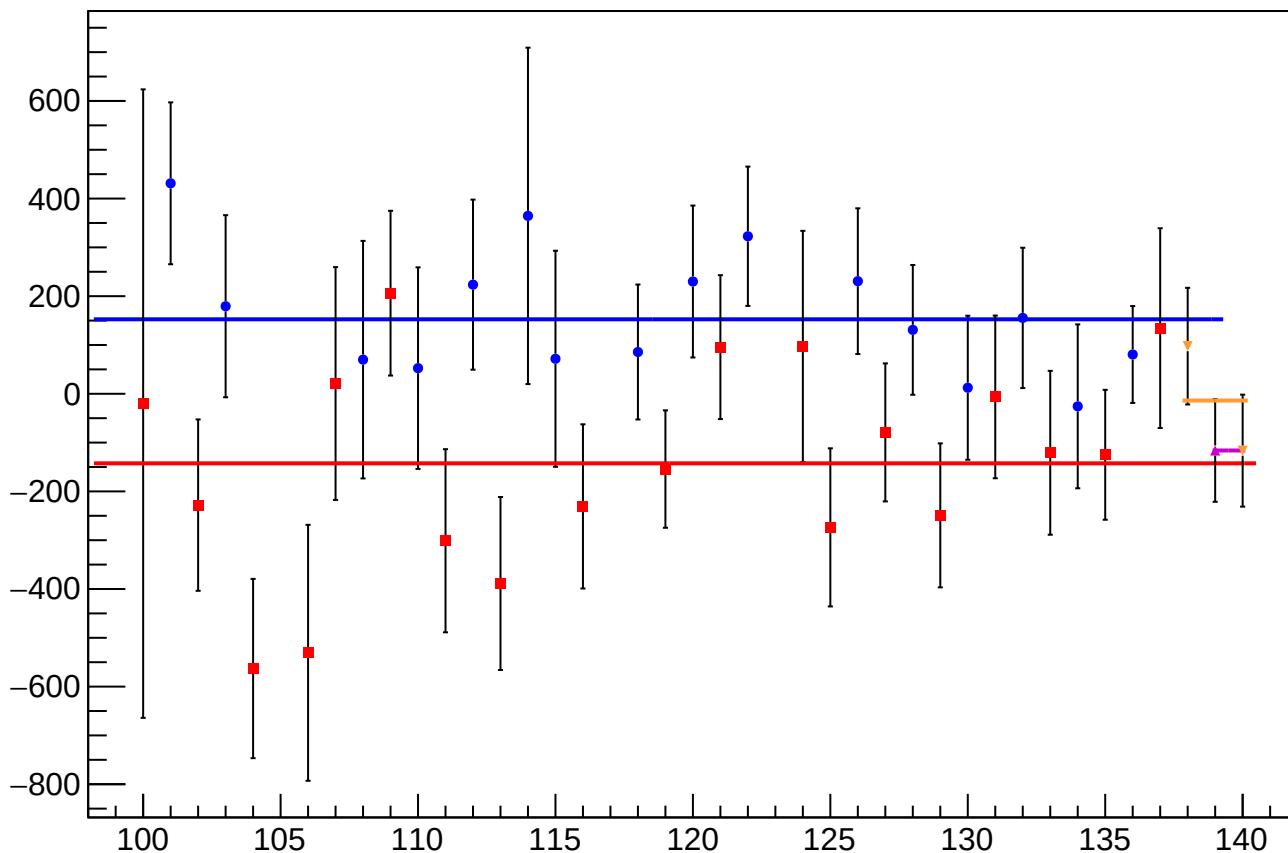
Left In: 1150.364 $\pm$ 0.885 χ^2 /NDF:0.0/0

+ sign 1224.694 $\pm$ 0.306 χ^2 /NDF: 1490169.7/17

All: 1320.416 $\pm$ 0.235 χ^2 /NDF: 2372360.3/37

- sign 1457.736 $\pm$ 0.367 χ^2 /NDF: 644145.3/19

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626 $\pm$ 39.446 χ^2 /NDF: 8.6/15

Left Out: -13.852 $\pm$ 82.767 χ^2 /NDF:1.7/1

Right Out: -142.496 $\pm$ 39.340 χ^2 /NDF: 22.9/18

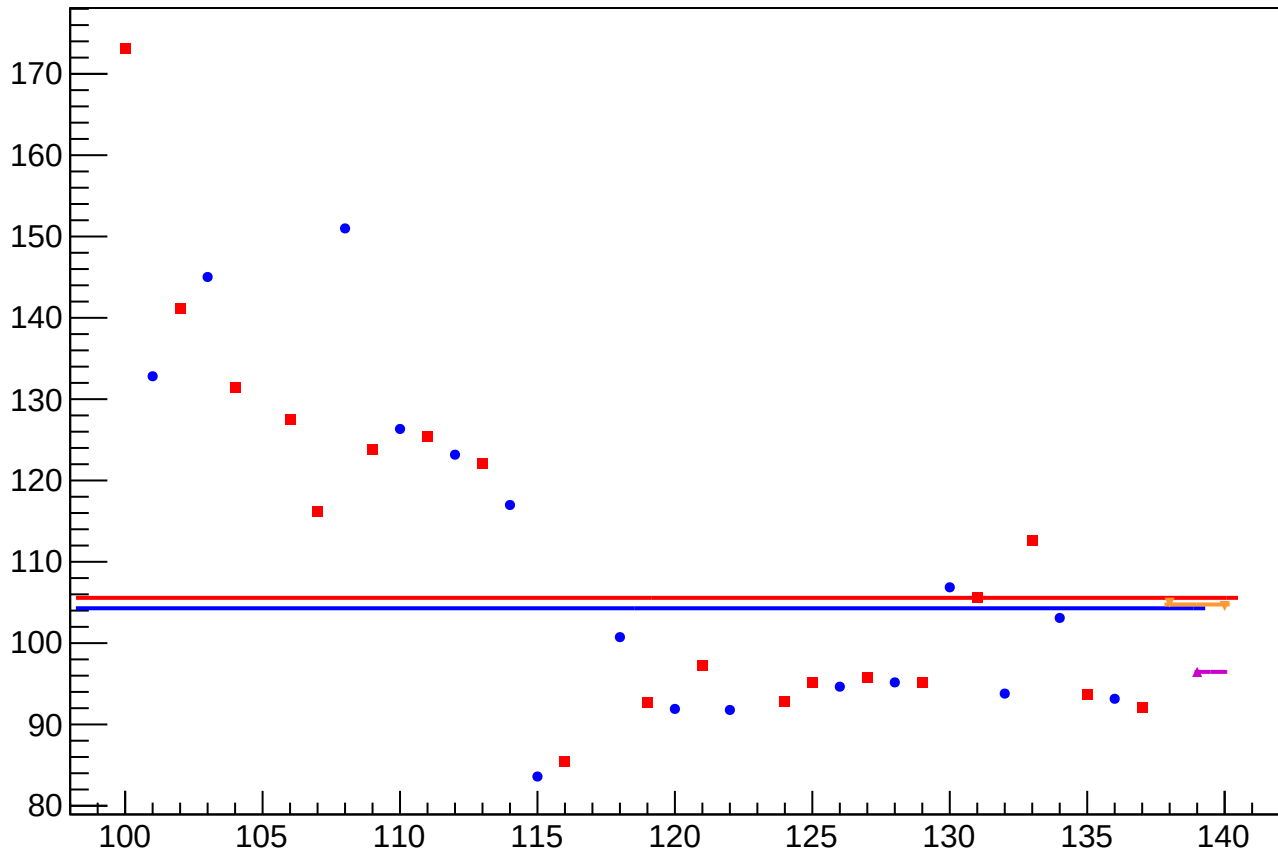
Left In: -116.186 $\pm$ 105.128 χ^2 /NDF:0.0/0

+ sign 121.811 $\pm$ 35.609 χ^2 /NDF: 13.6/17

All: -4.274 $\pm$ 25.605 χ^2 /NDF: 62.5/37

- sign -139.265 $\pm$ 36.845 χ^2 /NDF: 23.0/19

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF : 378310.9/15

Left Out: 104.754+/-0.059 χ^2/NDF :12.5/1

Right Out: 105.568+/-0.028 χ^2/NDF : 344605.9/18

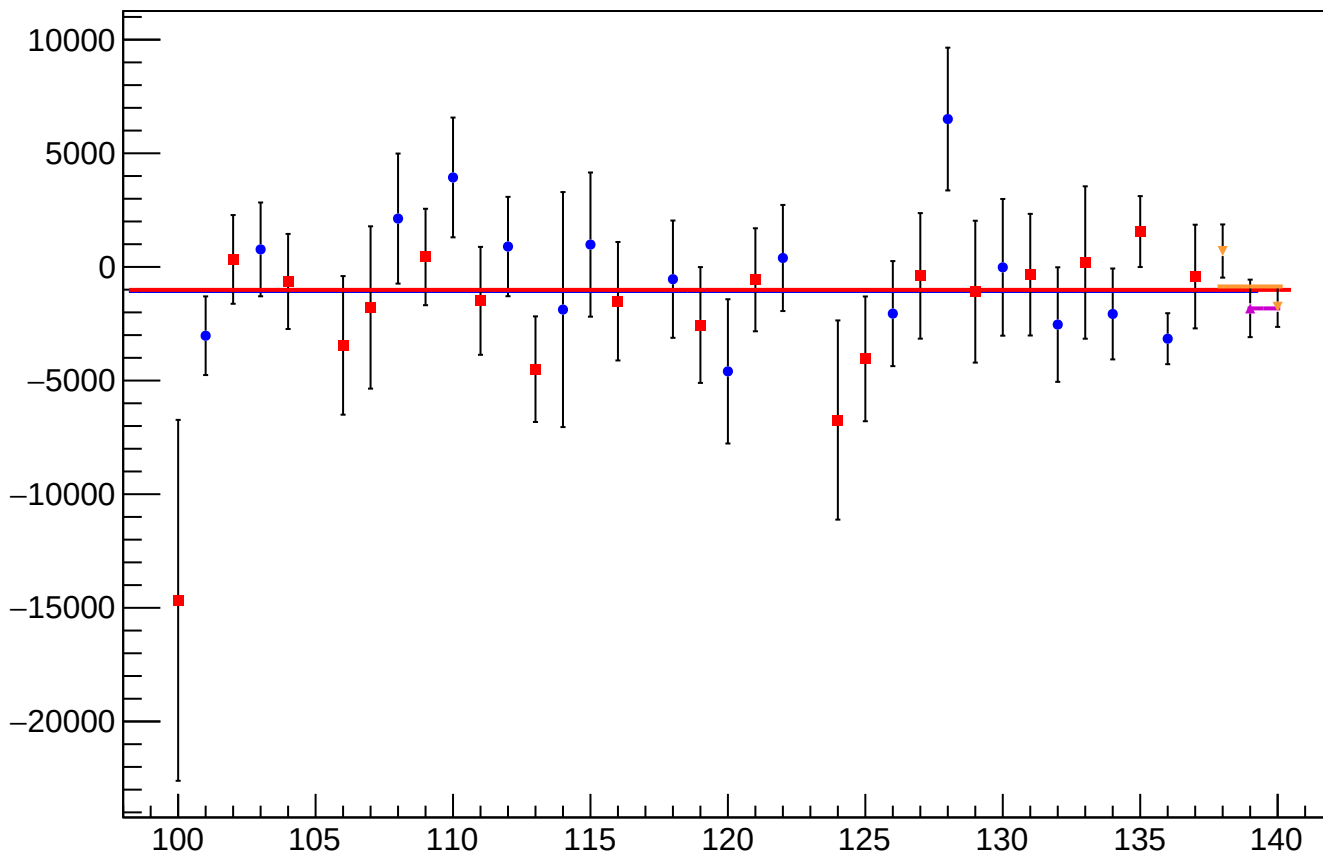
Left In: 96.463+/-0.074 χ^2/NDF :0.0/0

+ sign 104.373+/-0.025 χ^2/NDF : 378375.5/17

All: 104.410+/-0.018 χ^2/NDF : 736144.4/37

- sign 104.450+/-0.026 χ^2/NDF : 357764.4/19

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357 $\pm$ 557.645 χ^2 /NDF: 20.0/15

Left Out: -859.257 $\pm$ 706.331 χ^2 /NDF: 2.8/1

Right Out: -1009.907 $\pm$ 575.100 χ^2 /NDF: 13.3/18

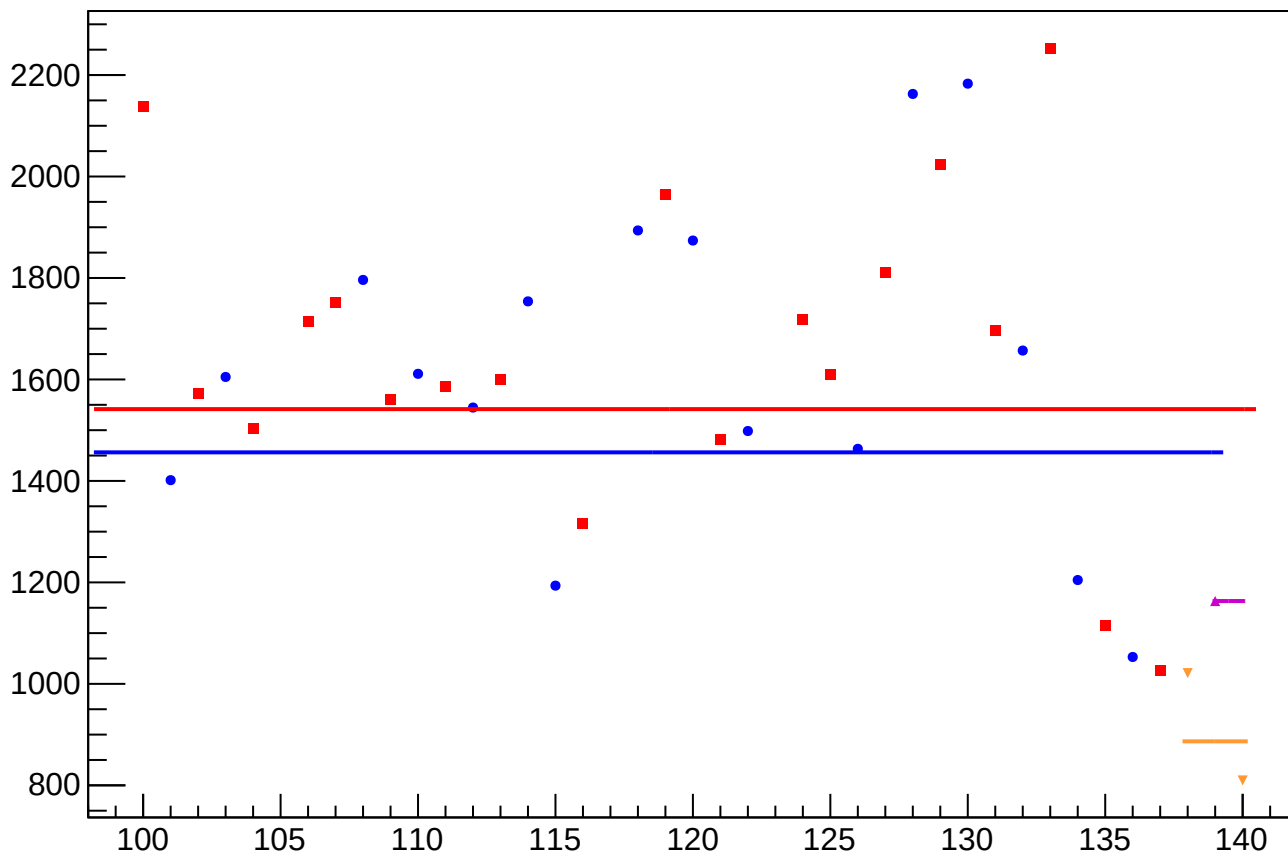
Left In: -1824.680 $\pm$ 1265.002 χ^2 /NDF: 0.0/0

+ sign -982.525 $\pm$ 437.681 χ^2 /NDF: 22.9/17

All: -1051.201 $\pm$ 335.794 χ^2 /NDF: 36.6/37

- sign -1149.463 $\pm$ 523.536 χ^2 /NDF: 13.6/19

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303 $\pm$ 0.394 χ^2 /NDF: 684806.5/15

Left Out: 886.675 $\pm$ 0.499 χ^2 /NDF: 41571.1/1

Right Out: 1541.522 $\pm$ 0.407 χ^2 /NDF: 519336.6/18

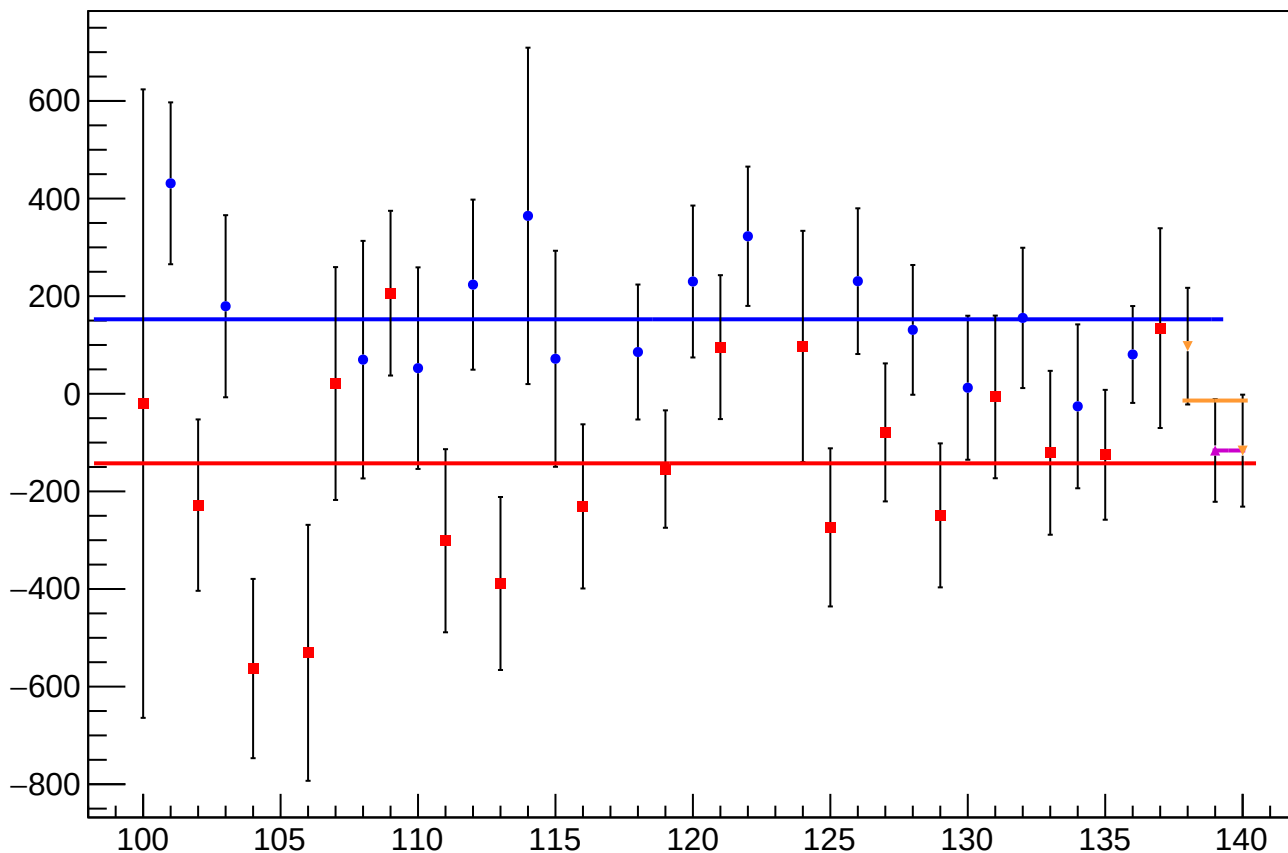
Left In: 1163.264 $\pm$ 0.894 χ^2 /NDF: 0.0/0

+ sign 1237.582 $\pm$ 0.309 χ^2 /NDF: 1527680.8/17

All: 1335.966 $\pm$ 0.237 χ^2 /NDF: 2440859.3/37

- sign 1476.734 $\pm$ 0.370 χ^2 /NDF: 667531.3/19

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628 $\pm$ 39.446 χ^2 /NDF: 8.6/15

Left Out: -13.853 $\pm$ 82.767 χ^2 /NDF:1.7/1

Right Out: -142.494 $\pm$ 39.340 χ^2 /NDF: 22.9/18

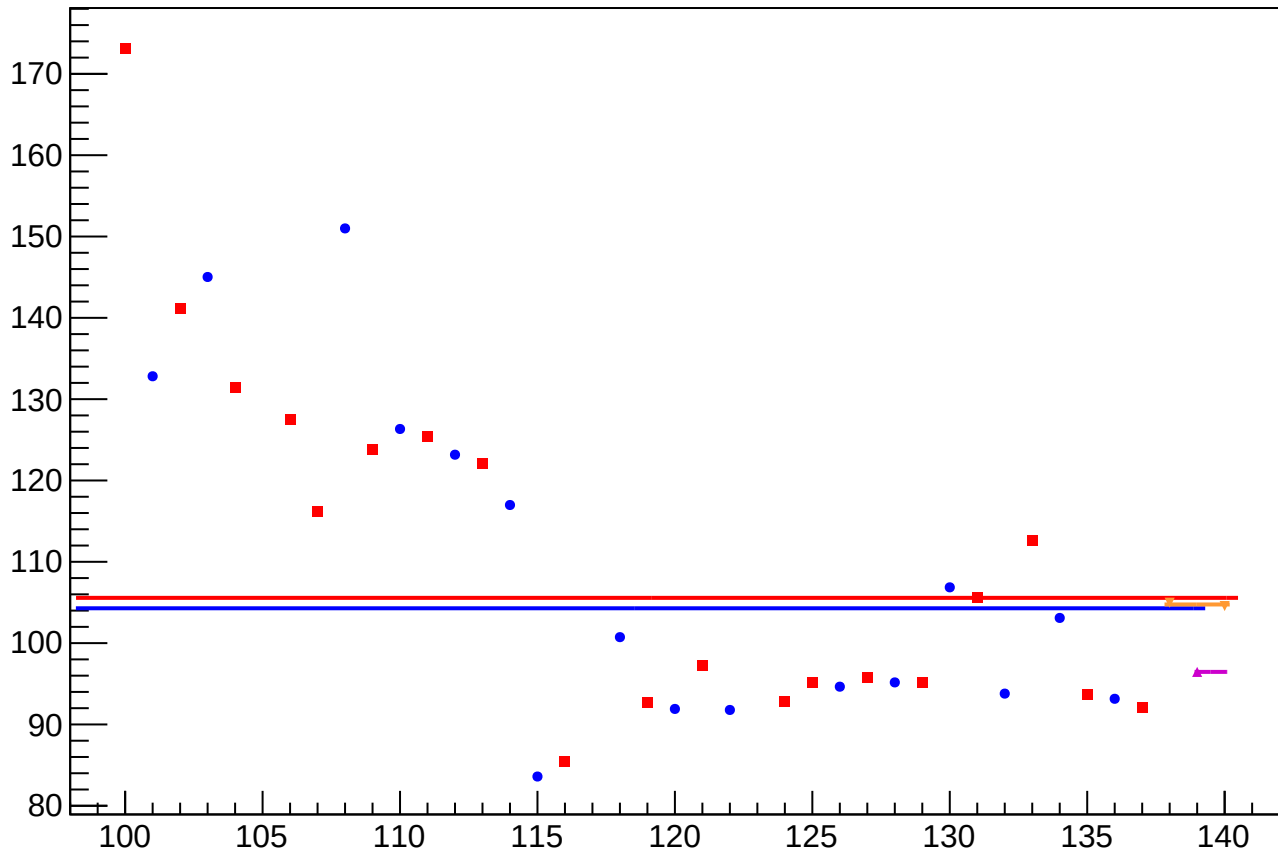
Left In: -116.181 $\pm$ 105.128 χ^2 /NDF:0.0/0

+ sign 121.813 $\pm$ 35.609 χ^2 /NDF: 13.6/17

All: -4.271 $\pm$ 25.605 χ^2 /NDF: 62.5/37

- sign -139.262 $\pm$ 36.845 χ^2 /NDF: 23.0/19

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285 $\pm$ 0.028 χ^2 /NDF: 378313.2/15

Left Out: 104.754 $\pm$ 0.059 χ^2 /NDF:12.4/1

Right Out: 105.567 $\pm$ 0.028 χ^2 /NDF: 344605.1/18

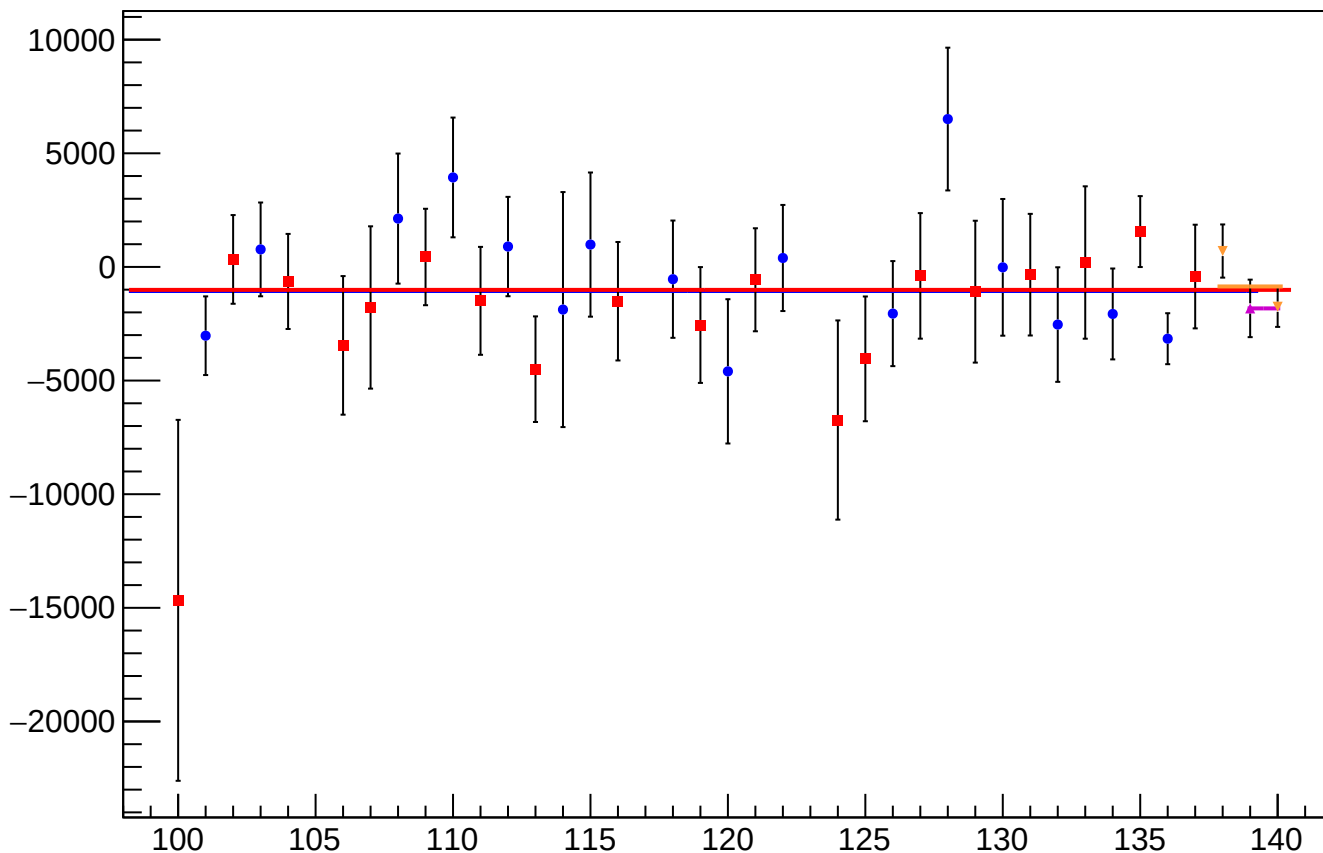
Left In: 96.463 $\pm$ 0.074 χ^2 /NDF:0.0/0

+ sign 104.372 $\pm$ 0.025 χ^2 /NDF: 378377.9/17

All: 104.409 $\pm$ 0.018 χ^2 /NDF: 736145.6/37

- sign 104.449 $\pm$ 0.026 χ^2 /NDF: 357763.1/19

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



Right In: -1059.353 $\pm$ 557.644 χ^2 /NDF: 20.0/15

Left Out: -859.256 $\pm$ 706.330 χ^2 /NDF:2.8/1

Right Out: -1009.907 $\pm$ 575.099 χ^2 /NDF: 13.3/18

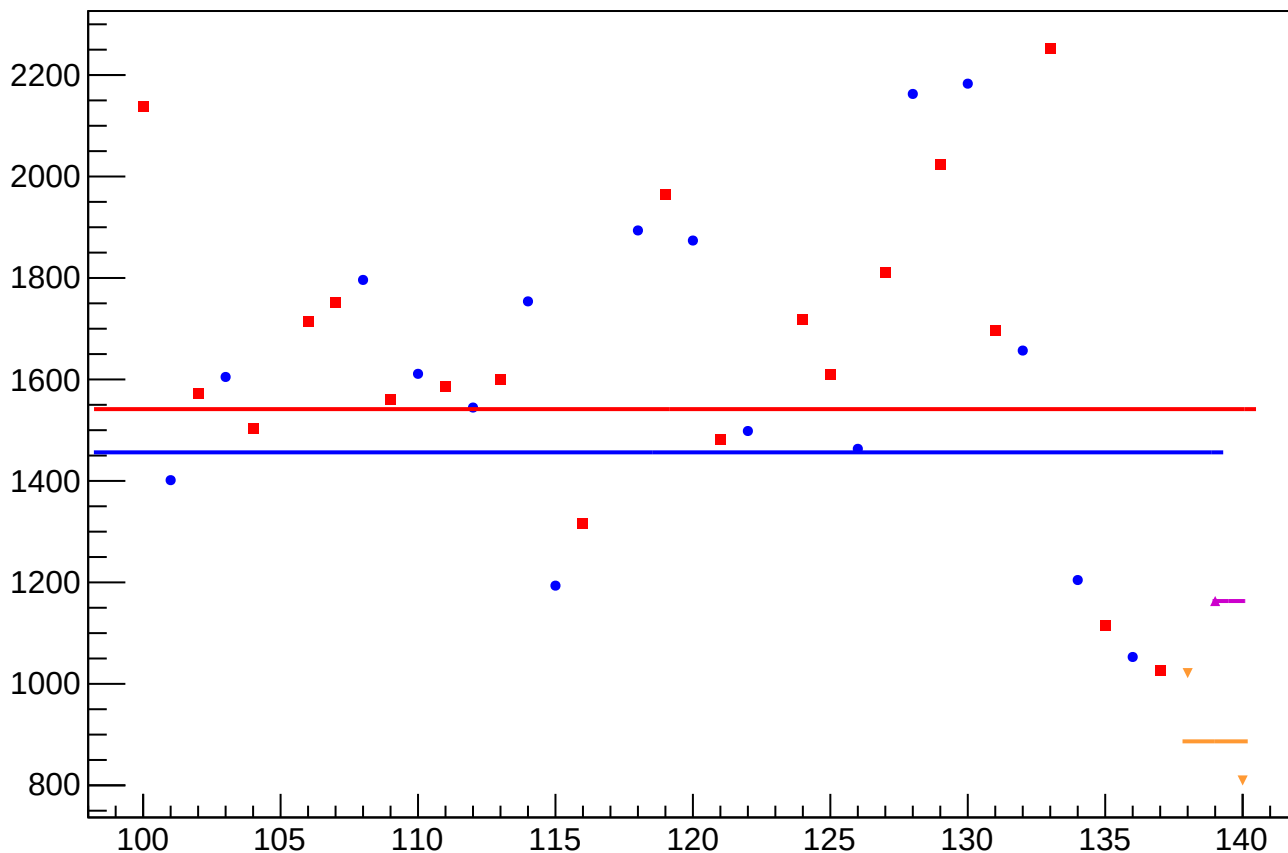
Left In: -1824.678 $\pm$ 1264.999 χ^2 /NDF:0.0/0

+ sign -982.522 $\pm$ 437.680 χ^2 /NDF: 22.9/17

All: -1051.199 $\pm$ 335.793 χ^2 /NDF: 36.6/37

- sign -1149.462 $\pm$ 523.535 χ^2 /NDF: 13.6/19

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1456.301+/-0.394 χ^2/NDF : 684803.6/15

Left Out: 886.673+/-0.499 χ^2/NDF : 41570.3/1

Right Out: 1541.520+/-0.407 χ^2/NDF : 519336.6/18

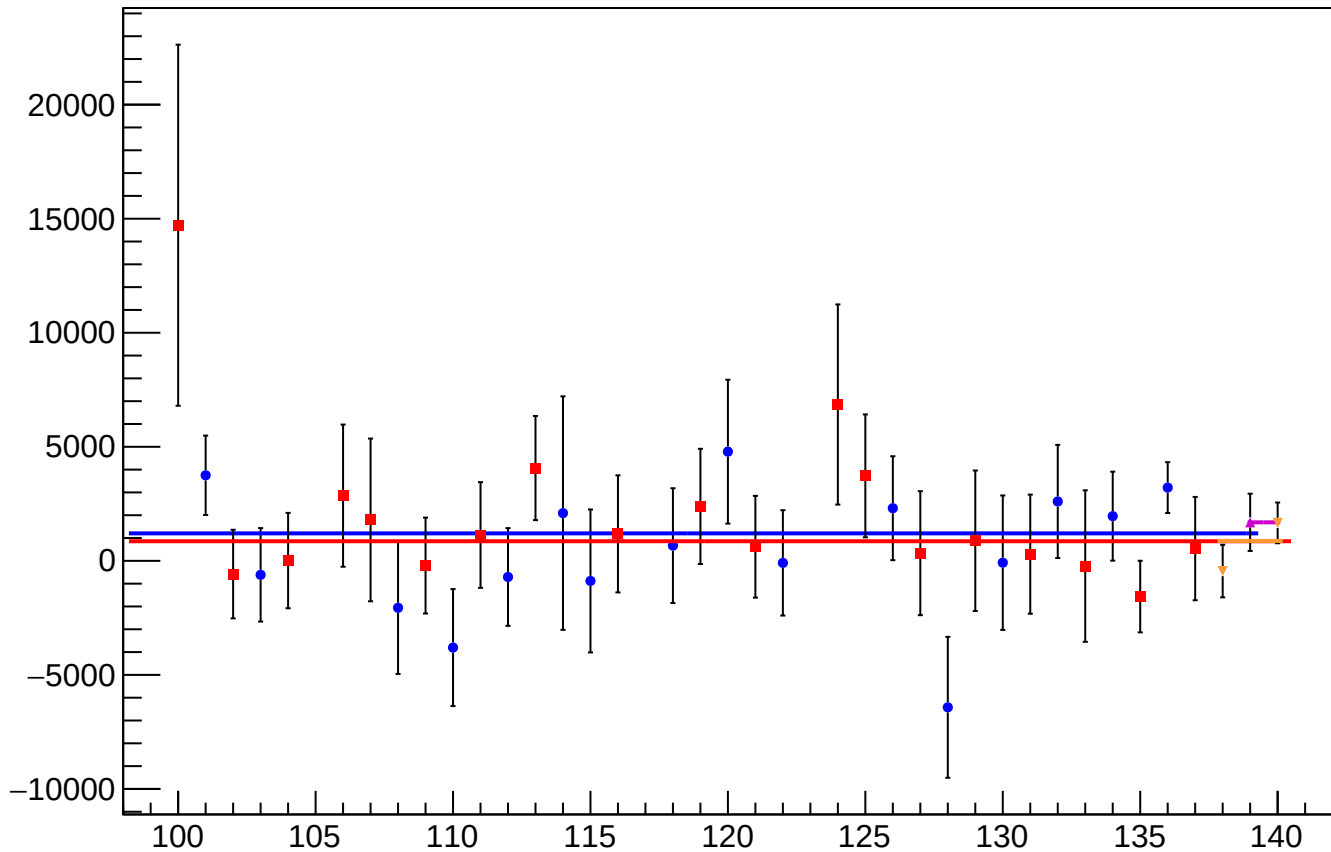
Left In: 1163.261+/-0.894 χ^2/NDF : 0.0/0

+ sign 1237.580+/-0.309 χ^2/NDF : 1527678.8/17

All: 1335.963+/-0.237 χ^2/NDF : 2440857.9/37

- sign 1476.731+/-0.370 χ^2/NDF : 667532.1/19

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691 $\pm$ 551.729 χ^2 /NDF: 21.1/15

Left Out: 873.112 $\pm$ 705.406 χ^2 /NDF: 2.1/1

Right Out: 859.290 $\pm$ 570.391 χ^2 /NDF: 12.5/18

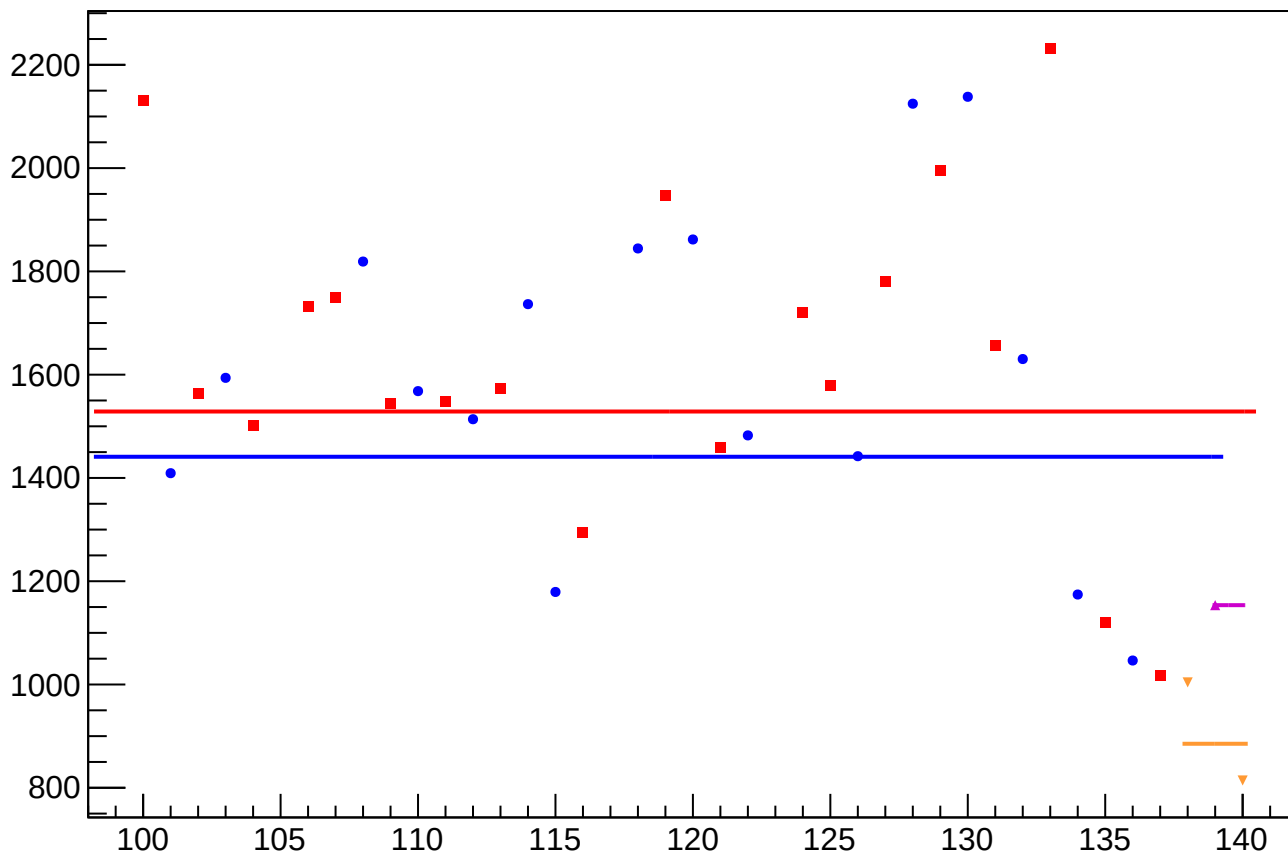
Left In: 1688.816 $\pm$ 1254.556 χ^2 /NDF: 0.0/0

+ sign 1078.839 $\pm$ 434.587 χ^2 /NDF: 23.4/17

All: 1046.934 $\pm$ 333.264 χ^2 /NDF: 36.3/37

- sign 1001.389 $\pm$ 519.244 χ^2 /NDF: 12.9/19

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF : 670674.6/15

Left Out: 885.228+/-0.499 χ^2/NDF :33954.3/1

Right Out: 1528.652+/-0.403 χ^2/NDF : 501717.6/18

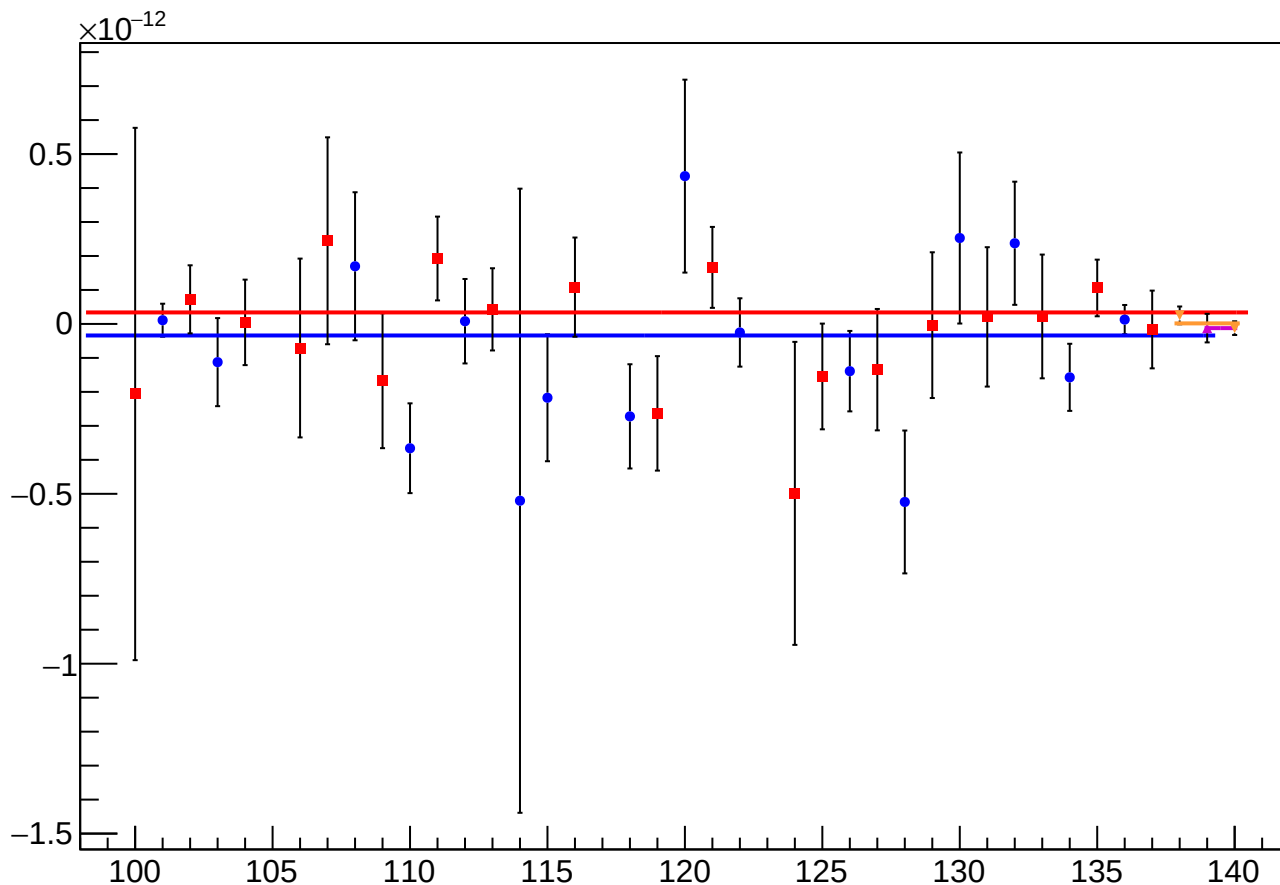
Left In: 1153.632+/-0.887 χ^2/NDF :0.0/0

+ sign 1230.069+/-0.307 χ^2/NDF : 1474977.1/17

All: 1326.603+/-0.236 χ^2/NDF : 2364351.0/37

- sign 1464.410+/-0.367 χ^2/NDF : 649817.3/19

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.0/18

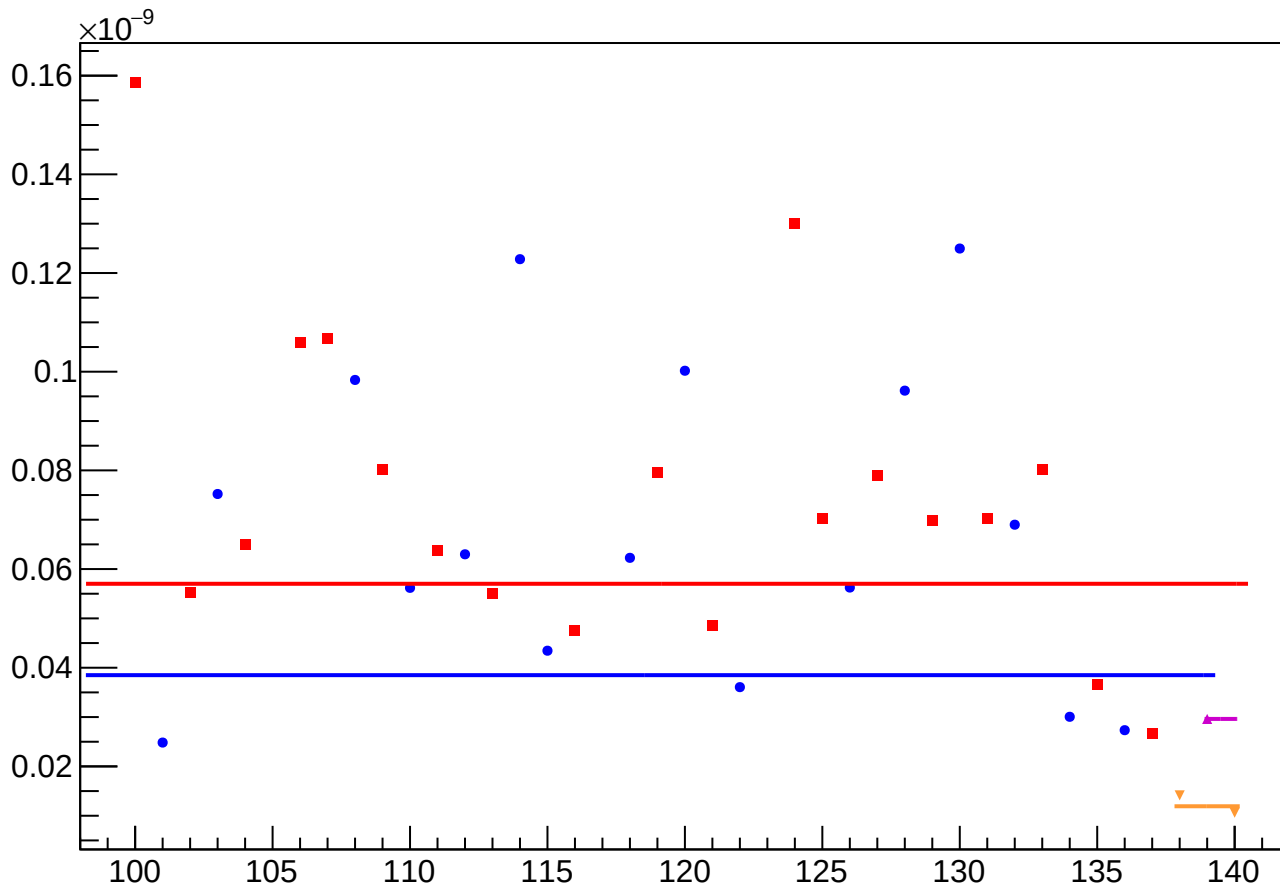
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 30.1/17

All: -0.000 ± 0.000 χ^2/NDF : 44.5/37

- sign 0.000 ± 0.000 χ^2/NDF : 13.7/19

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 22671.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 660994.1/18

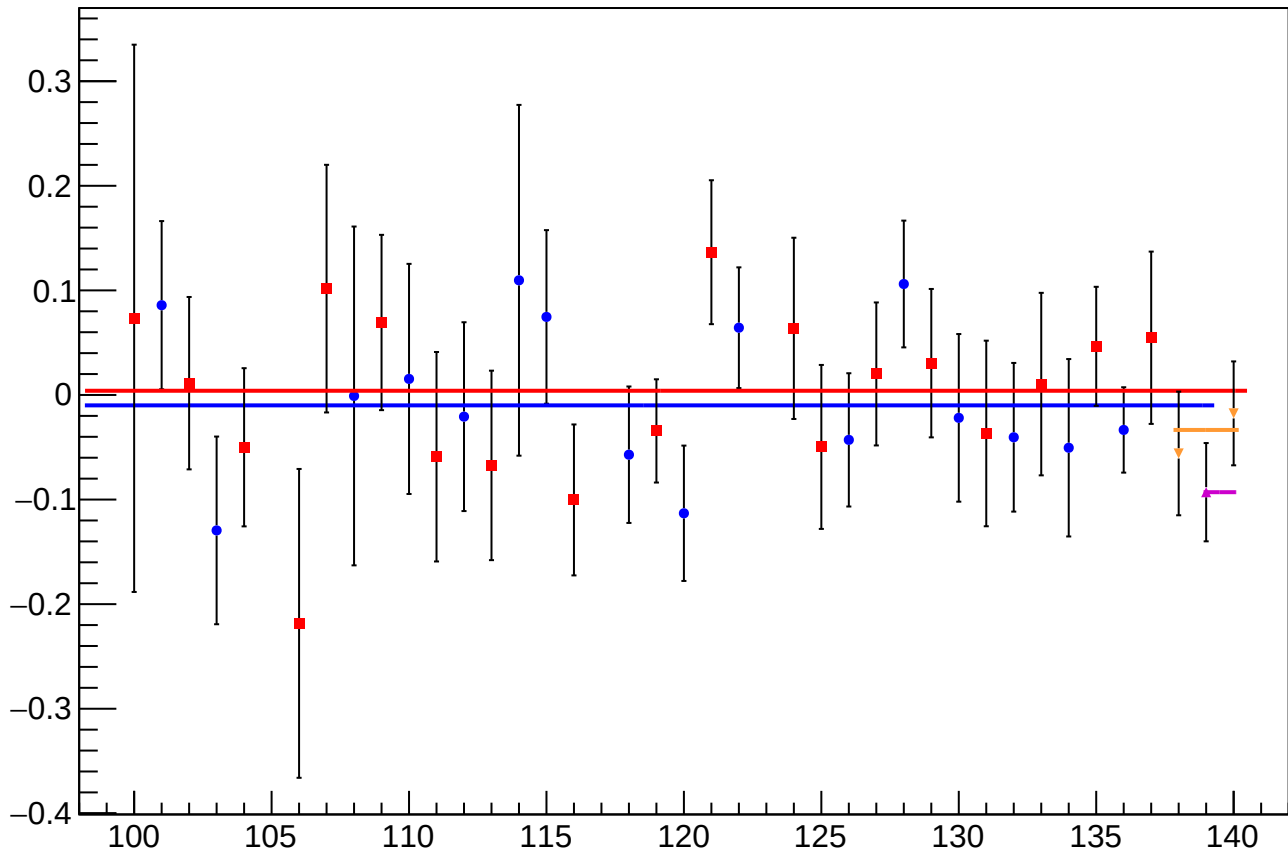
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3004864.2/17

All: 0.000+/-0.000 χ^2/NDF : 5805293.6/37

- sign 0.000+/-0.000 χ^2/NDF : 1177017.8/19

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 ± 0.038 χ^2/NDF : 0.2/1

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

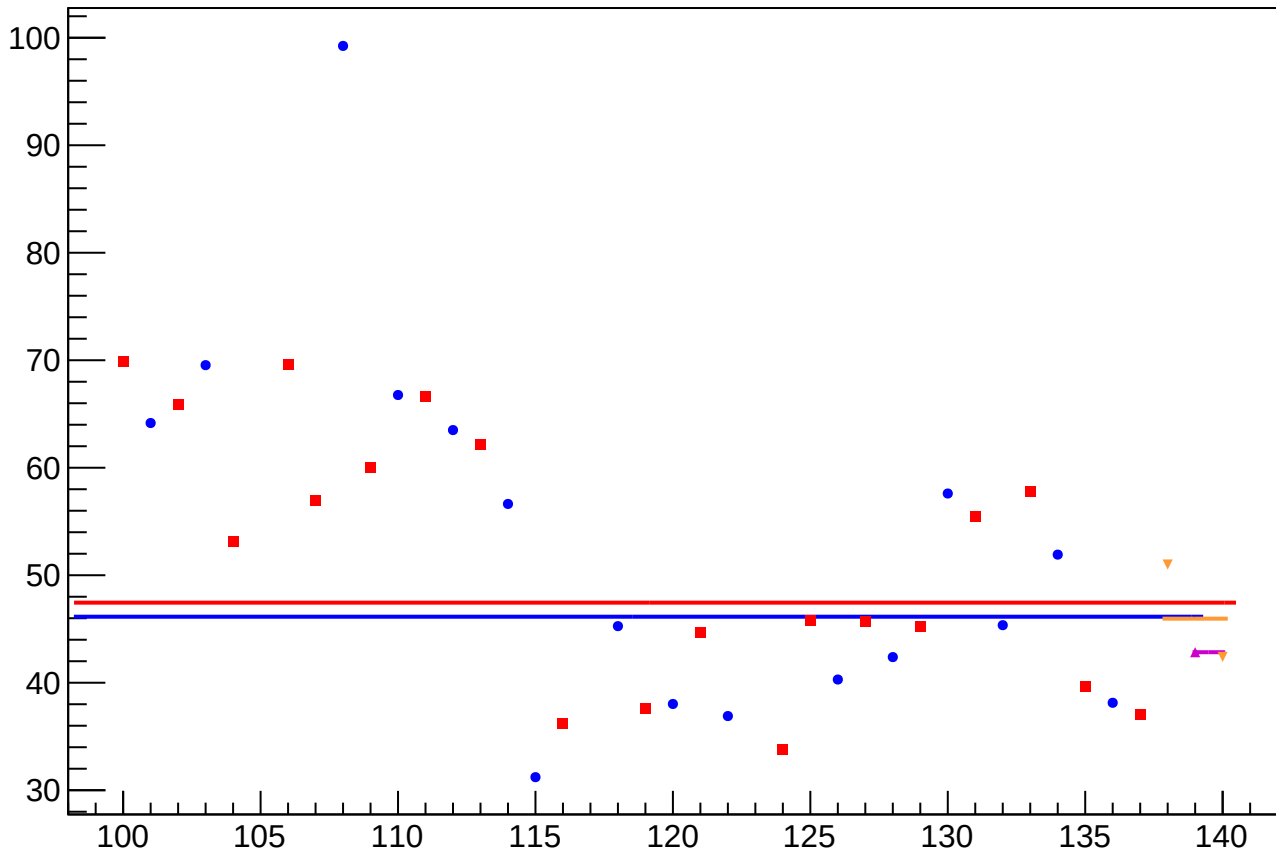
Left In: -0.093 ± 0.047 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.011 ± 0.012 χ^2/NDF : 32.4/37

- sign -0.008 ± 0.017 χ^2/NDF : 17.6/19

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141 $\pm$ 0.013 χ^2 /NDF: 903280.2/15

Left Out: 45.961 $\pm$ 0.027 χ^2 /NDF: 24758.0/1

Right Out: 47.450 $\pm$ 0.013 χ^2 /NDF: 654693.6/18

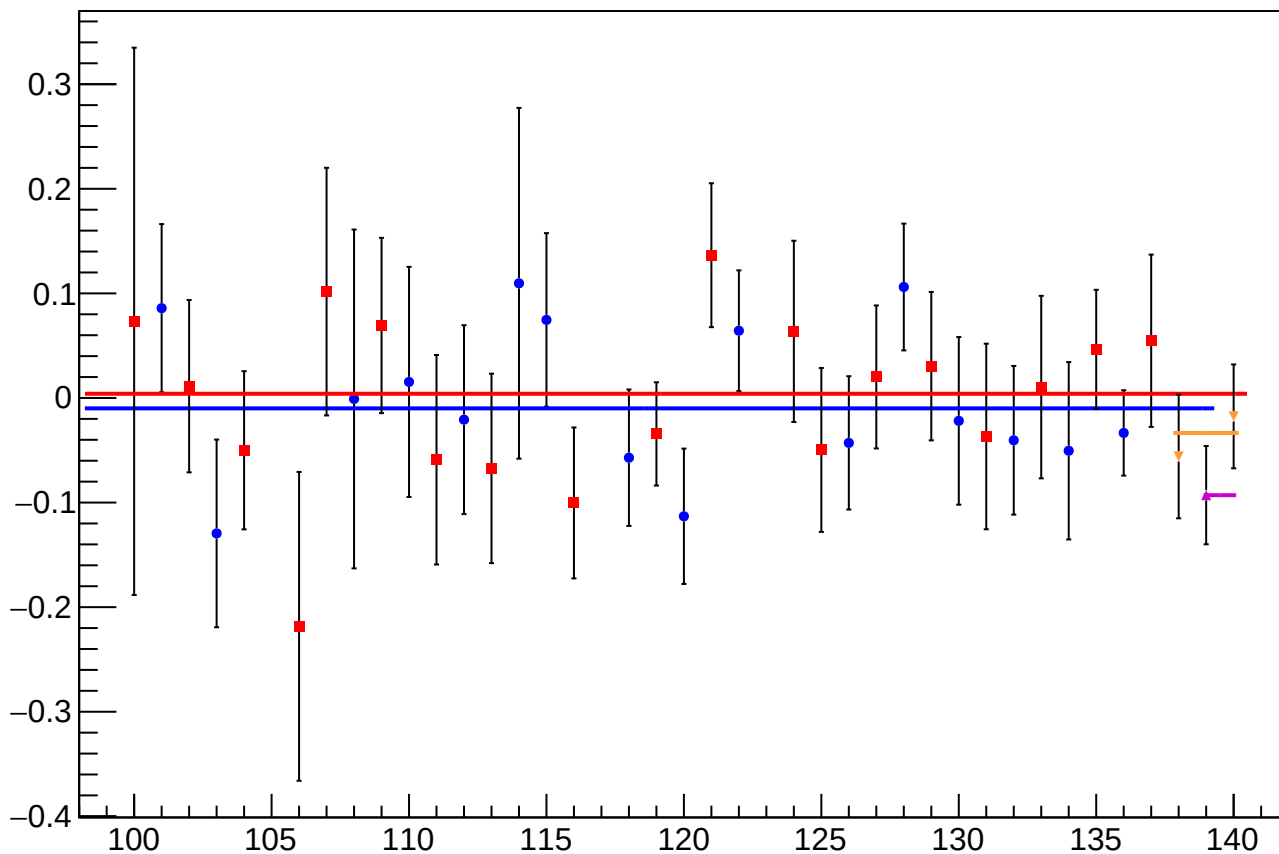
Left In: 42.840 $\pm$ 0.033 χ^2 /NDF: 0.0/0

+ sign 46.108 $\pm$ 0.012 χ^2 /NDF: 928074.9/17

All: 46.468 $\pm$ 0.008 χ^2 /NDF: 1601560.2/37

- sign 46.854 $\pm$ 0.012 χ^2 /NDF: 671460.2/19

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 χ^2/NDF : 14.2/15

Left Out: -0.033 ± 0.038 χ^2/NDF : 0.2/1

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

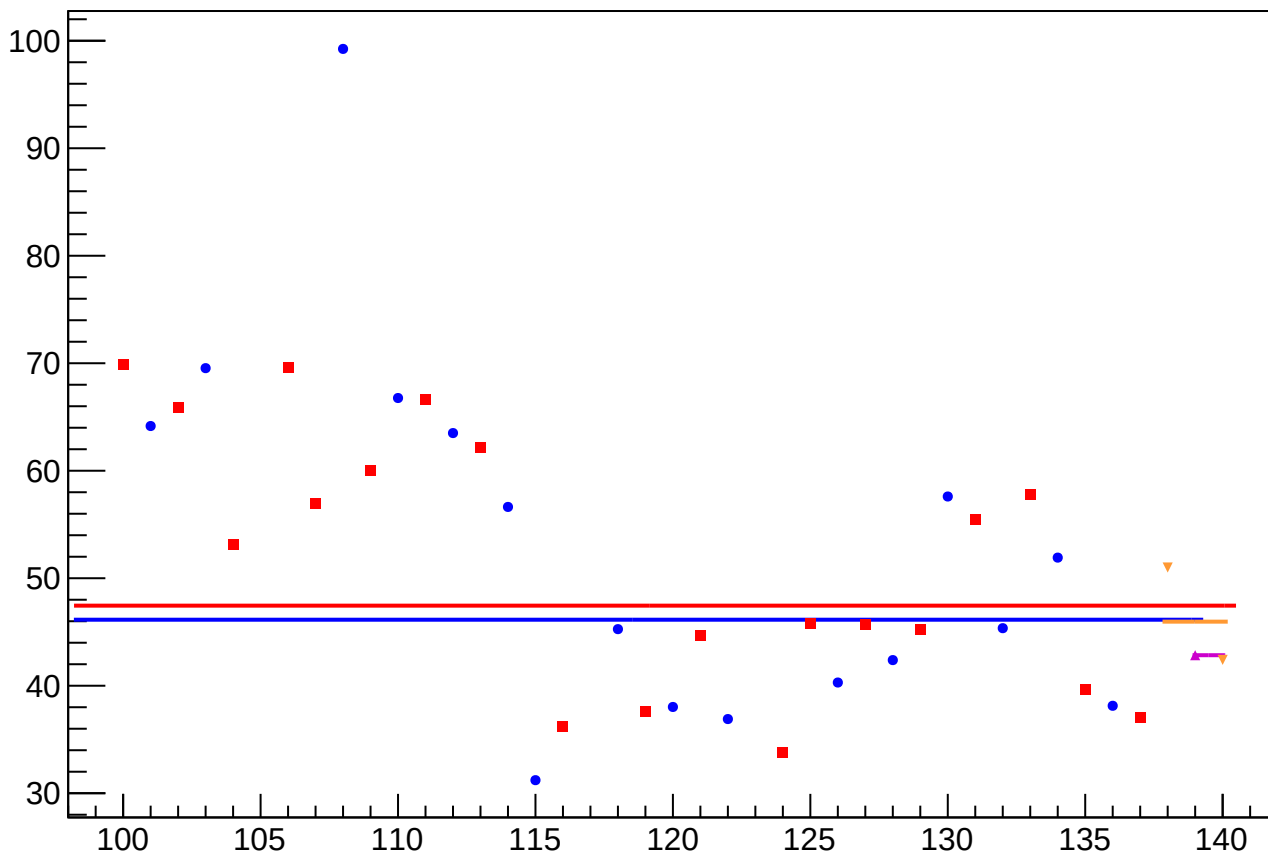
Left In: -0.093 ± 0.047 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.011 ± 0.012 χ^2/NDF : 32.4/37

- sign -0.008 ± 0.017 χ^2/NDF : 17.6/19

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.141 $\pm$ 0.013 χ^2 /NDF: 903280.2/15

Left Out: 45.961 $\pm$ 0.027 χ^2 /NDF: 24758.0/1

Right Out: 47.450 $\pm$ 0.013 χ^2 /NDF: 654693.6/18

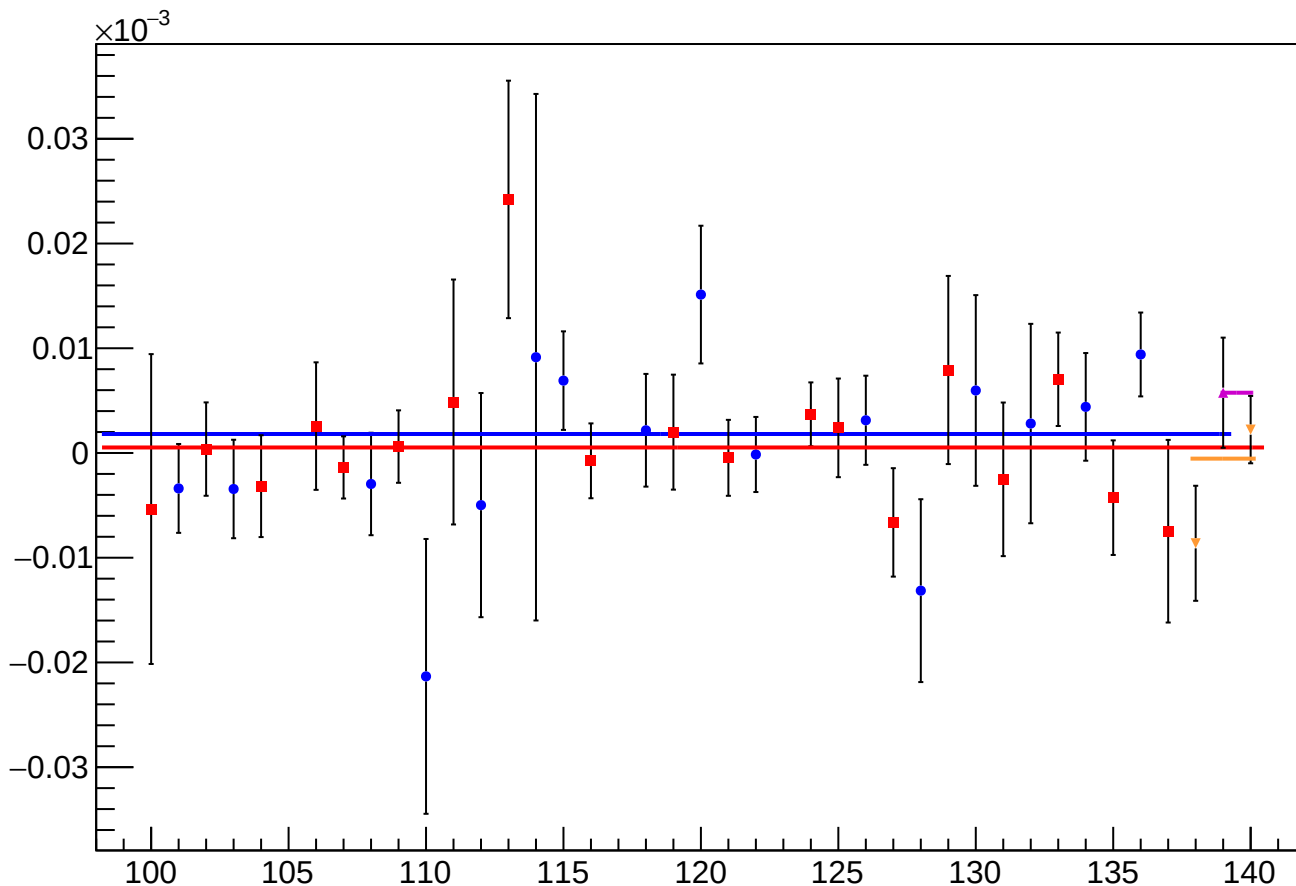
Left In: 42.840 $\pm$ 0.033 χ^2 /NDF: 0.0/0

+ sign 46.108 $\pm$ 0.012 χ^2 /NDF: 928074.9/17

All: 46.468 $\pm$ 0.008 χ^2 /NDF: 1601560.2/37

- sign 46.854 $\pm$ 0.012 χ^2 /NDF: 671460.2/19

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

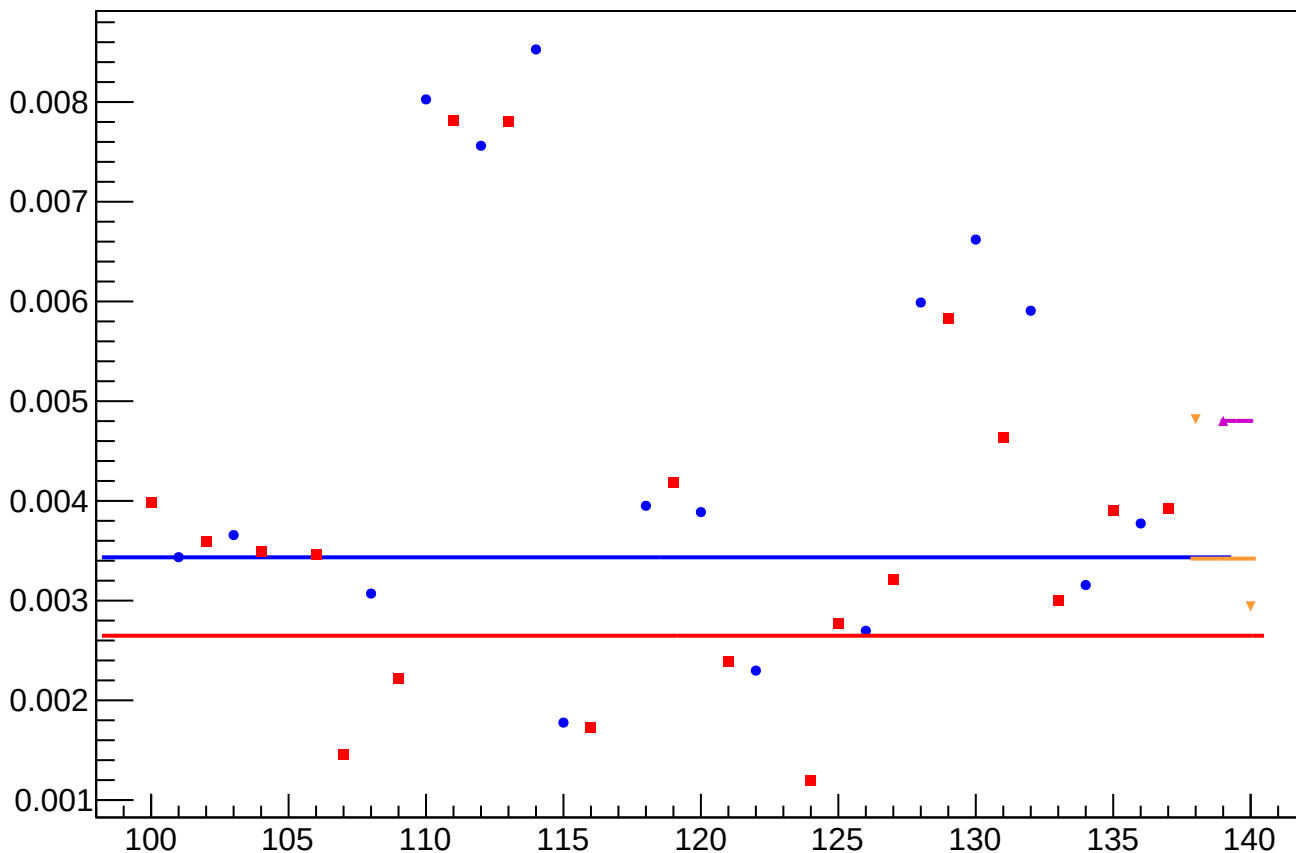
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/19

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF :173789.7/1

Right Out: 0.003+/-0.000 χ^2/NDF : 2696872.6/18

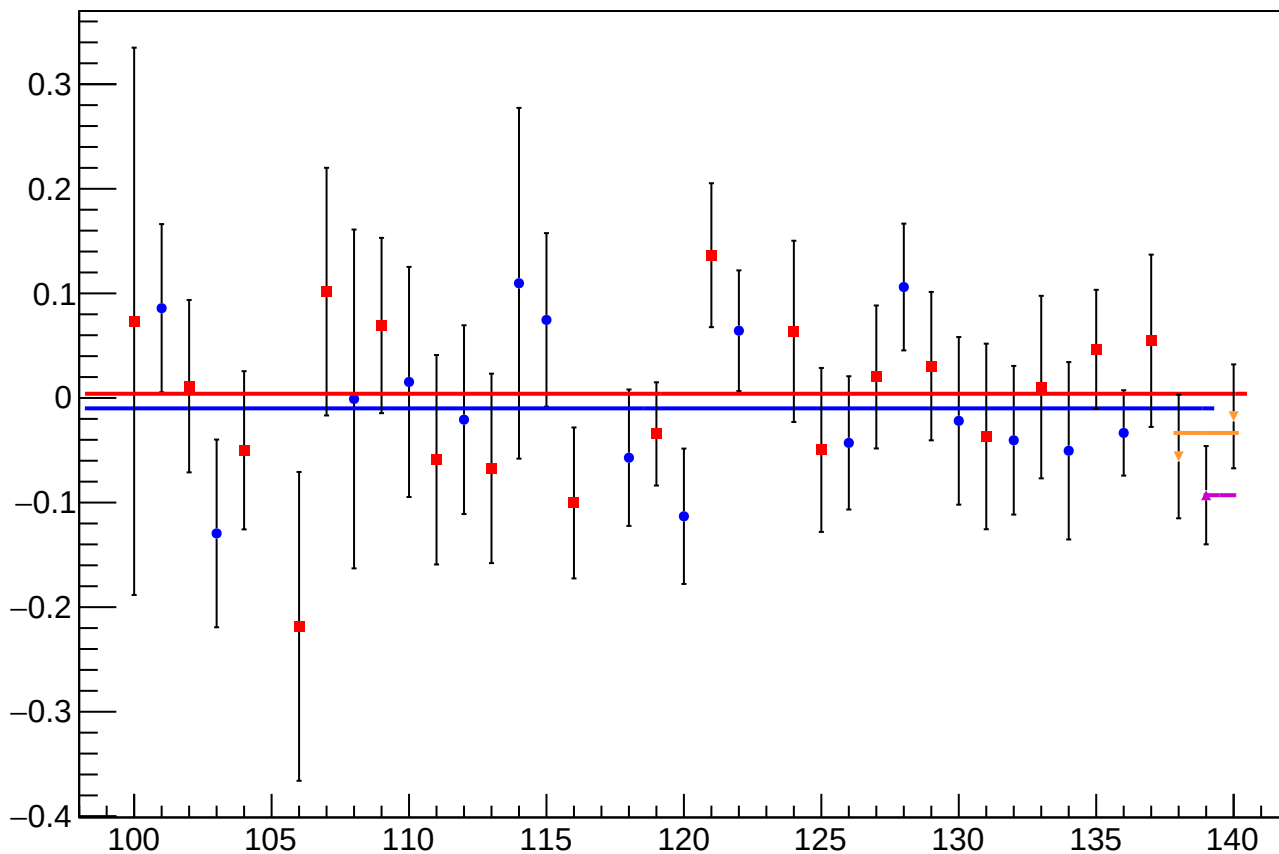
Left In: 0.005+/-0.000 χ^2/NDF :0.0/0

+ sign 0.003+/-0.000 χ^2/NDF : 1922385.1/17

All: 0.003+/-0.000 χ^2/NDF : 5305277.9/37

- sign 0.003+/-0.000 χ^2/NDF : 3018523.8/19

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 χ^2/NDF : 14.2/15

Left Out: -0.033 ± 0.038 χ^2/NDF : 0.2/1

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

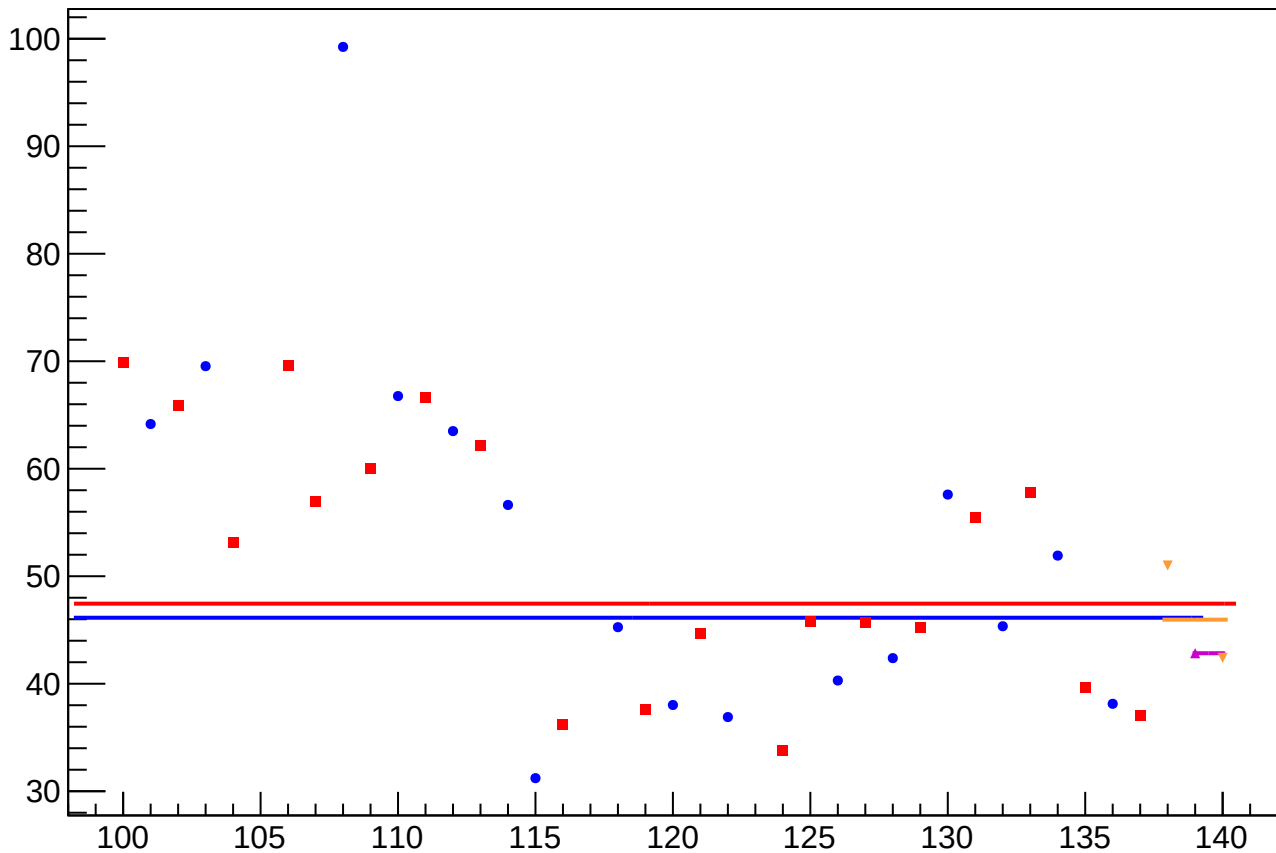
Left In: -0.093 ± 0.047 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.011 ± 0.012 χ^2/NDF : 32.4/37

- sign -0.008 ± 0.017 χ^2/NDF : 17.6/19

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.140 $\pm$ 0.013 χ^2 /NDF: 903251.1/15

Left Out: 45.961 $\pm$ 0.027 χ^2 /NDF: 24748.1/1

Right Out: 47.448 $\pm$ 0.013 χ^2 /NDF: 654687.8/18

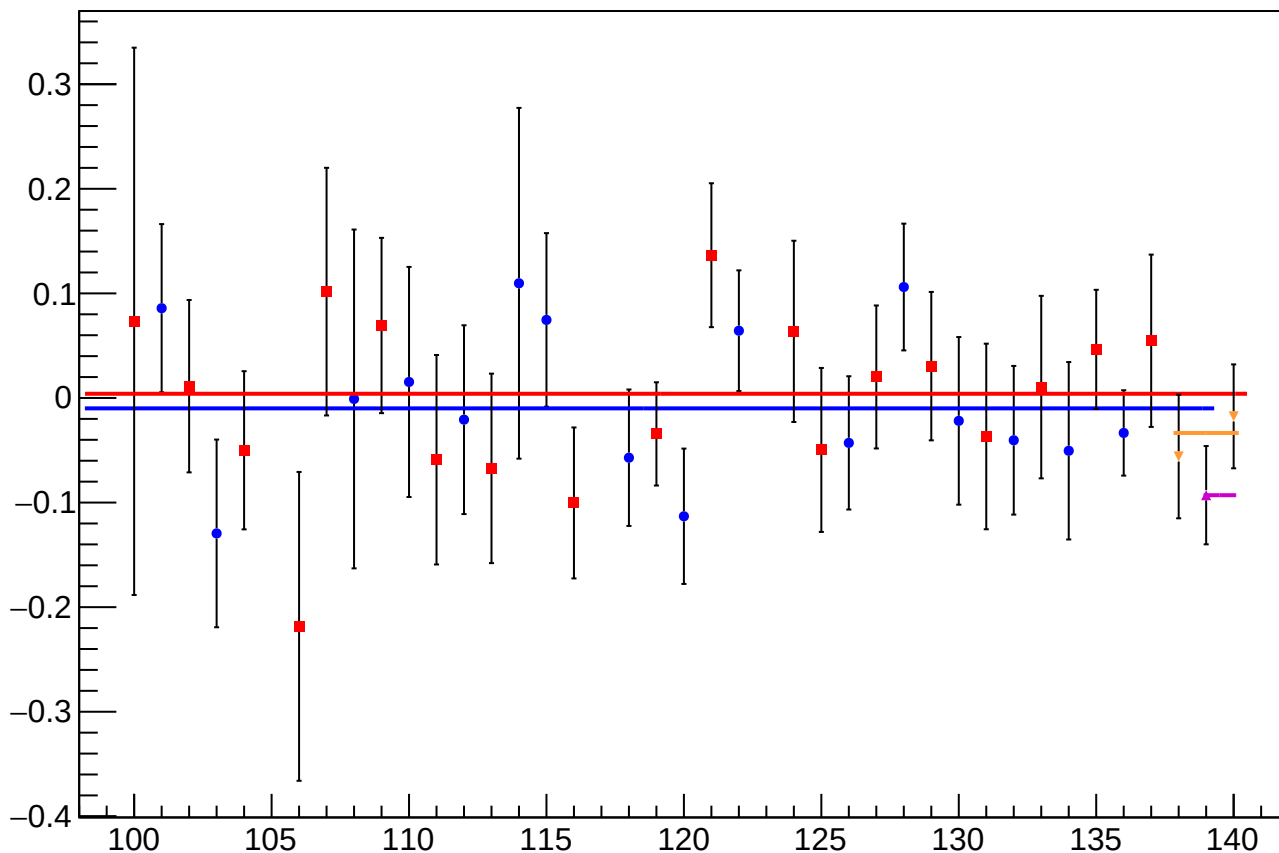
Left In: 42.839 $\pm$ 0.033 χ^2 /NDF: 0.0/0

+ sign 46.107 $\pm$ 0.012 χ^2 /NDF: 928035.3/17

All: 46.466 $\pm$ 0.008 χ^2 /NDF: 1601514.2/37

- sign 46.853 $\pm$ 0.012 χ^2 /NDF: 671453.0/19

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 χ^2/NDF : 14.2/15

Left Out: -0.033 ± 0.038 χ^2/NDF : 0.2/1

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

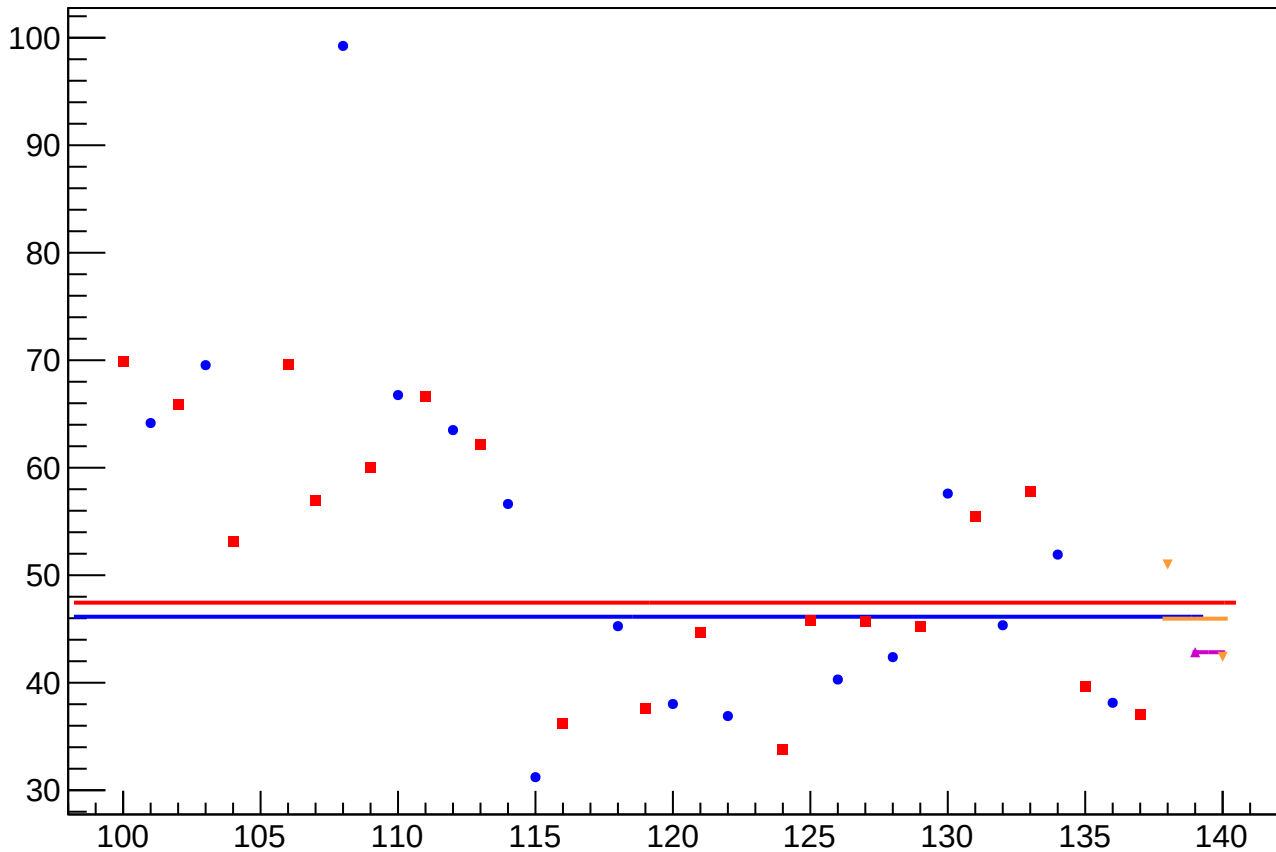
Left In: -0.093 ± 0.047 χ^2/NDF : 0.0/0

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.011 ± 0.012 χ^2/NDF : 32.4/37

- sign -0.008 ± 0.017 χ^2/NDF : 17.6/19

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.140 $\pm$ 0.013 χ^2 /NDF: 903251.1/15

Left Out: 45.961 $\pm$ 0.027 χ^2 /NDF: 24748.1/1

Right Out: 47.448 $\pm$ 0.013 χ^2 /NDF: 654687.8/18

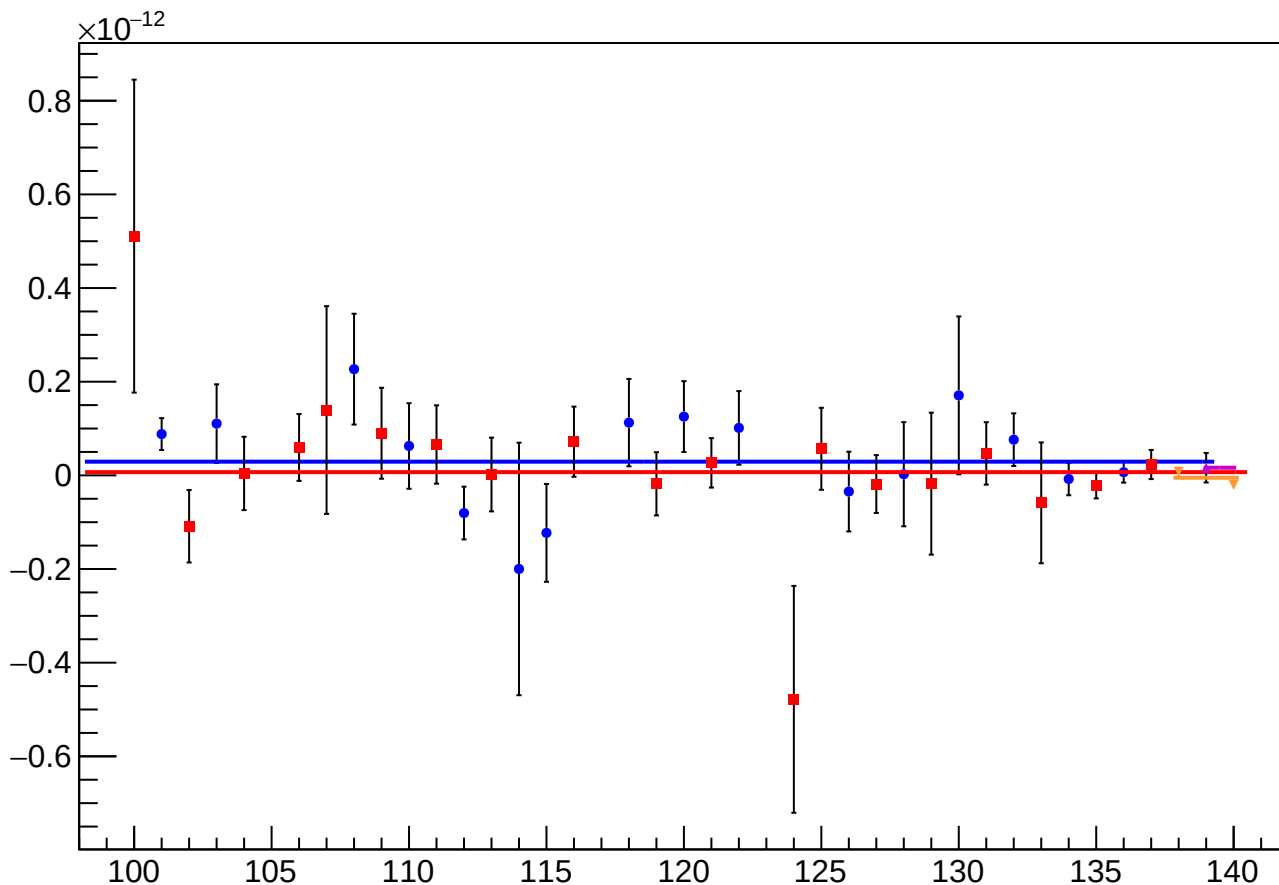
Left In: 42.839 $\pm$ 0.033 χ^2 /NDF: 0.0/0

+ sign 46.107 $\pm$ 0.012 χ^2 /NDF: 928035.3/17

All: 46.466 $\pm$ 0.008 χ^2 /NDF: 1601514.2/37

- sign 46.853 $\pm$ 0.012 χ^2 /NDF: 671453.0/19

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

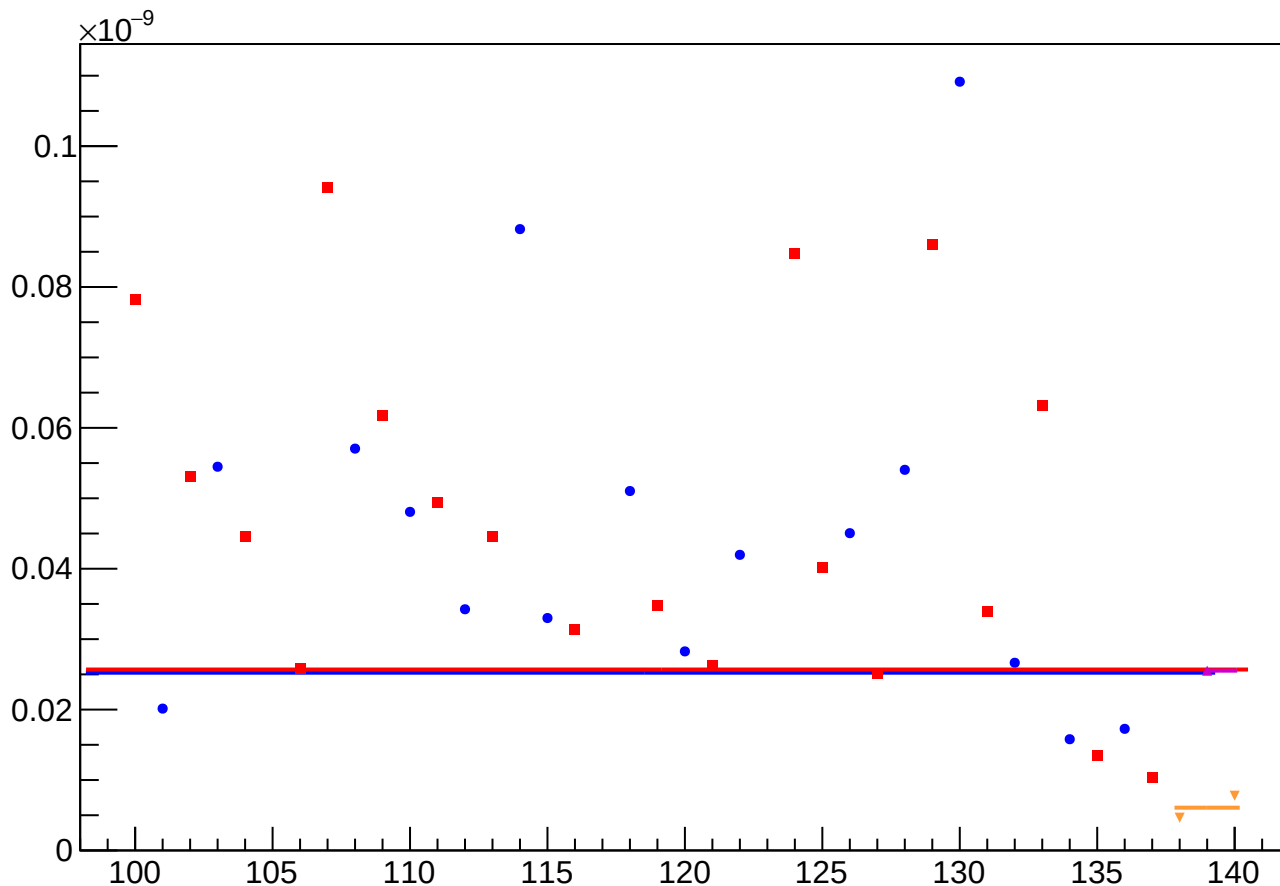
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/19

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2117960.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:94285.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2790840.2/18

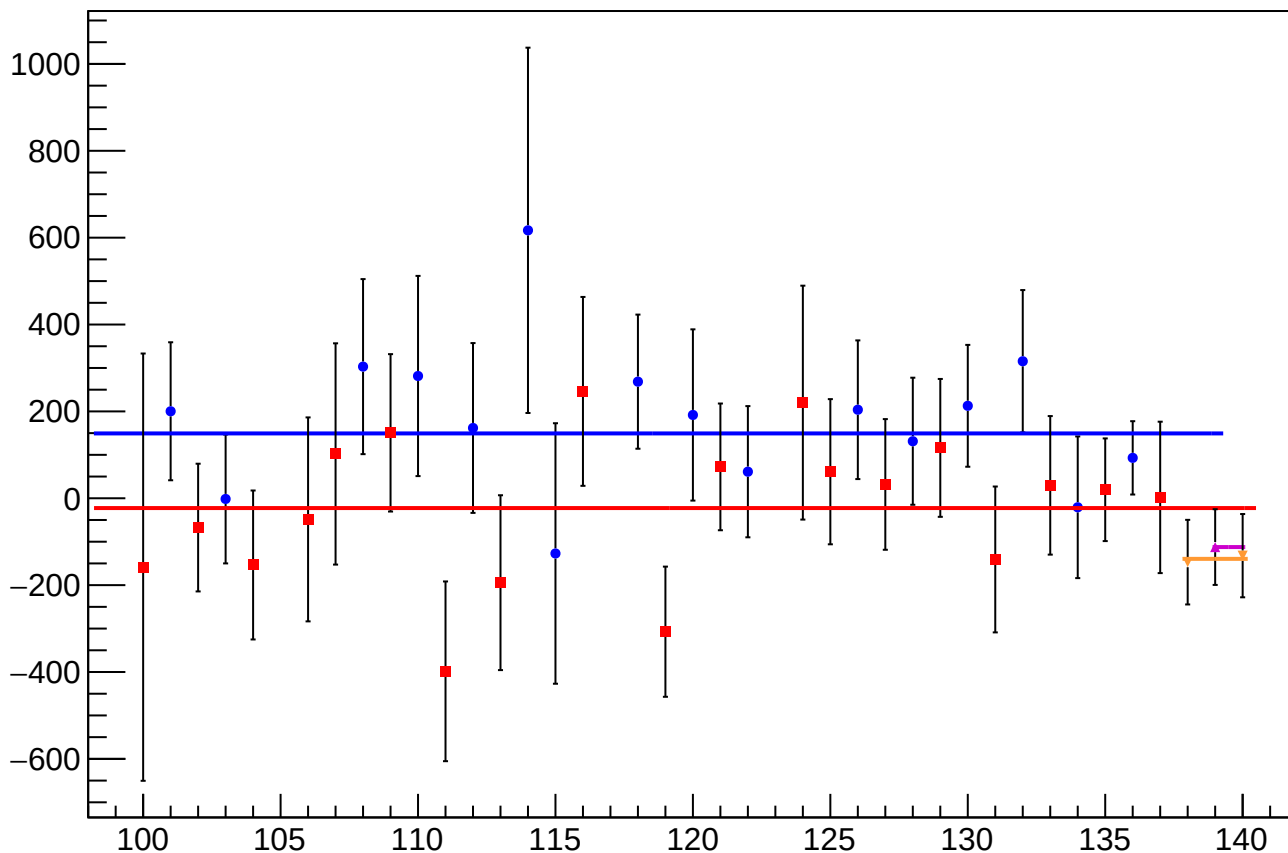
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5353859.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10396492.5/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2790883.8/19

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -139.502 $\pm$ 68.325 χ^2 /NDF:0.0/1

Right Out: -22.549 $\pm$ 40.100 χ^2 /NDF: 14.2/18

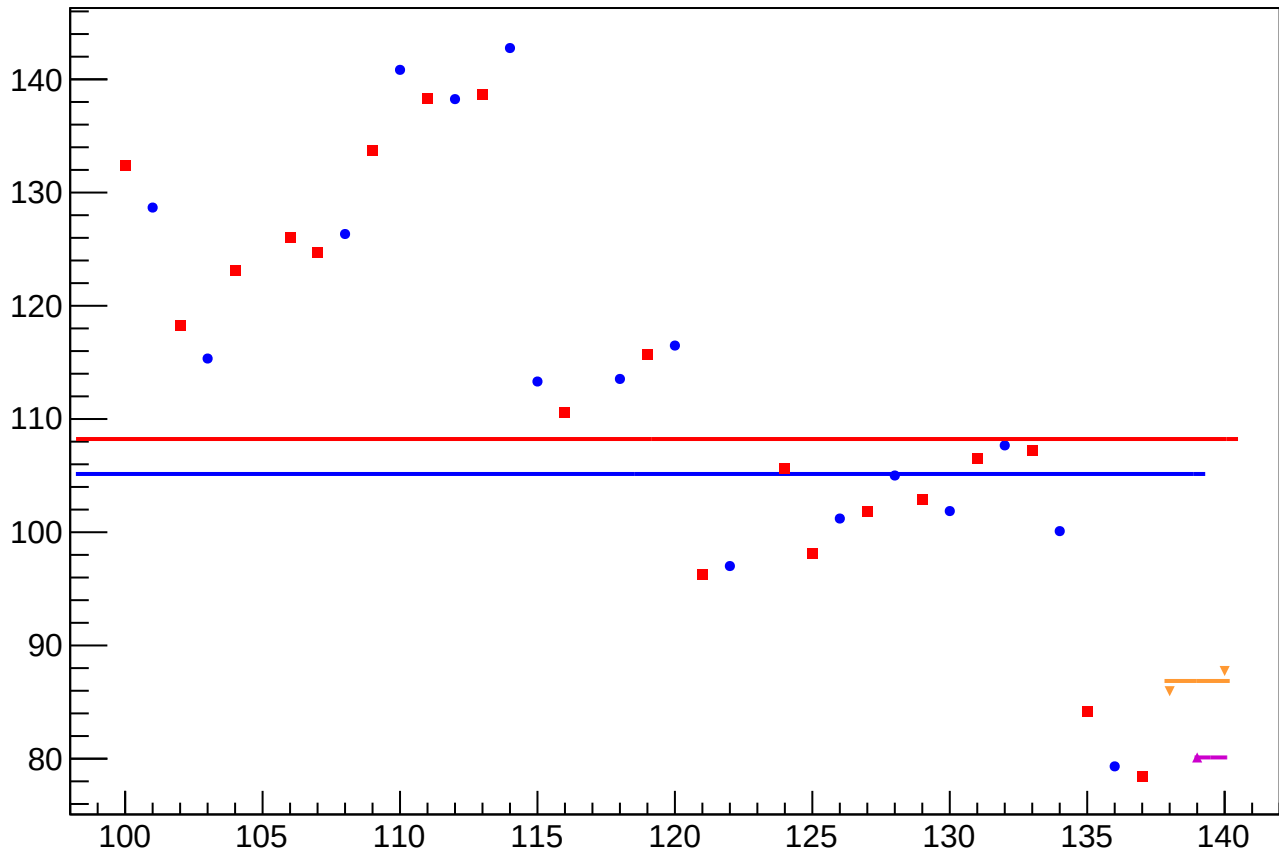
Left In: -112.347 $\pm$ 87.144 χ^2 /NDF:0.0/0

+ sign 76.444 $\pm$ 34.318 χ^2 /NDF: 21.4/17

All: 22.520 $\pm$ 24.979 χ^2 /NDF: 41.7/37

- sign -38.241 $\pm$ 36.429 χ^2 /NDF: 15.1/19

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.3/15

Left Out: 86.865 $\pm$ 0.048 χ^2 /NDF:341.1/1

Right Out: 108.233 $\pm$ 0.028 χ^2 /NDF: 349936.1/18

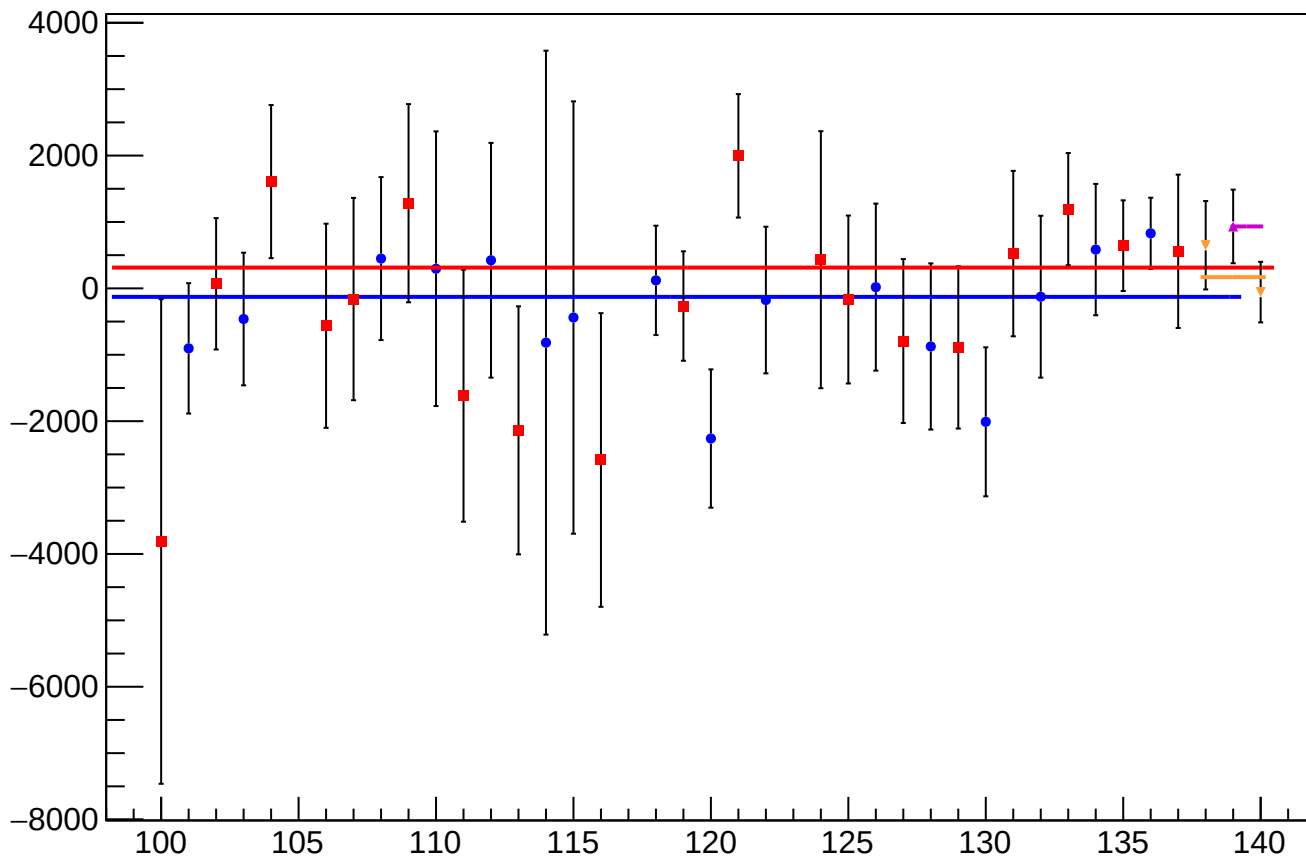
Left In: 80.110 $\pm$ 0.062 χ^2 /NDF:0.0/0

+ sign 100.534 $\pm$ 0.024 χ^2 /NDF: 515809.9/17

All: 101.843 $\pm$ 0.018 χ^2 /NDF: 1043824.5/37

- sign 103.319 $\pm$ 0.026 χ^2 /NDF: 521824.5/19

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056 $\pm$ 268.611 χ^2 /NDF: 12.3/15

Left Out: 169.230 $\pm$ 376.223 χ^2 /NDF: 0.8/1

Right Out: 313.031 $\pm$ 270.131 χ^2 /NDF: 15.0/18

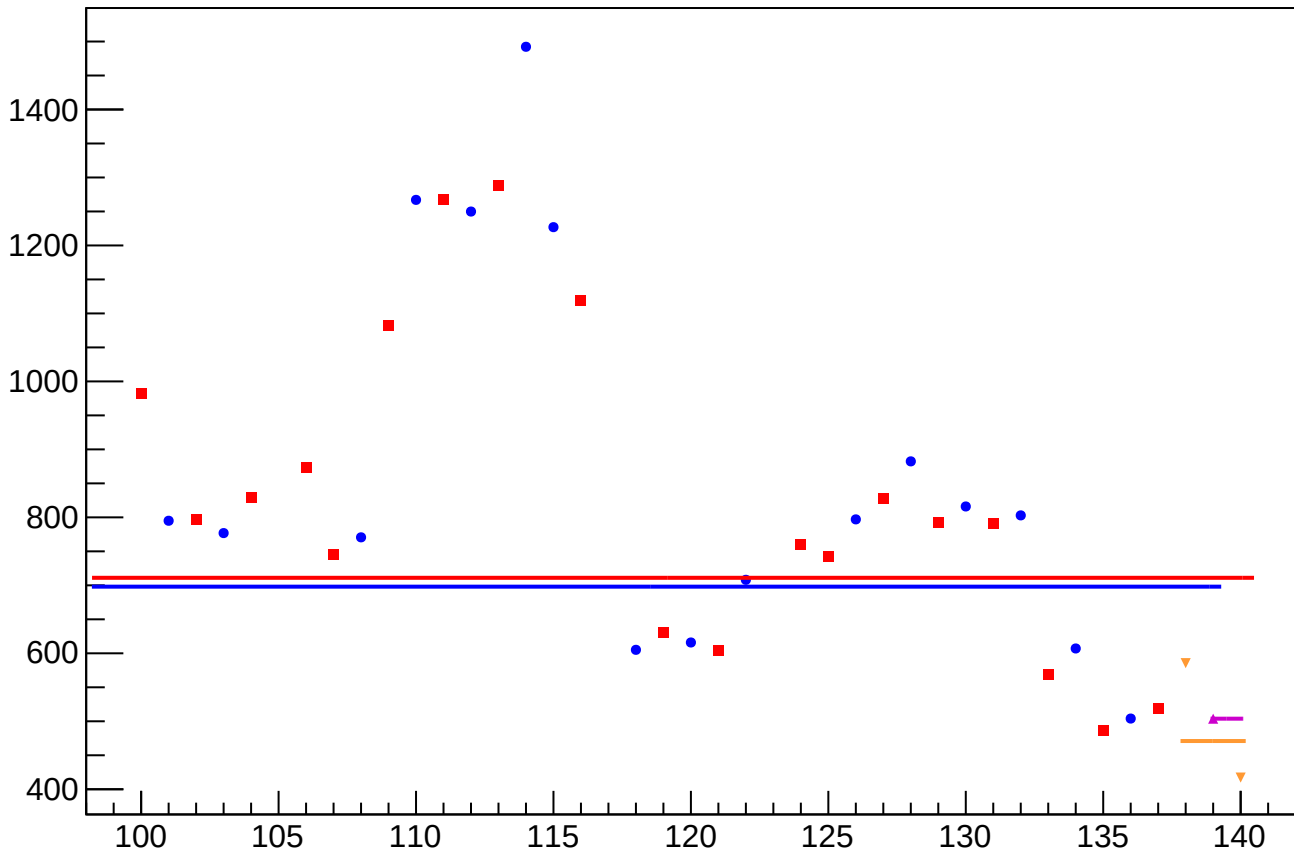
Left In: 932.596 $\pm$ 554.428 χ^2 /NDF: 0.0/0

+ sign -27.681 $\pm$ 218.611 χ^2 /NDF: 13.5/17

All: 178.041 $\pm$ 162.474 χ^2 /NDF: 31.5/37

- sign 431.892 $\pm$ 242.841 χ^2 /NDF: 16.0/19

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912851.5/15

Left Out: 470.960+/-0.266 χ^2/NDF : 87036.1/1

Right Out: 711.088+/-0.191 χ^2/NDF : 1035118.4/18

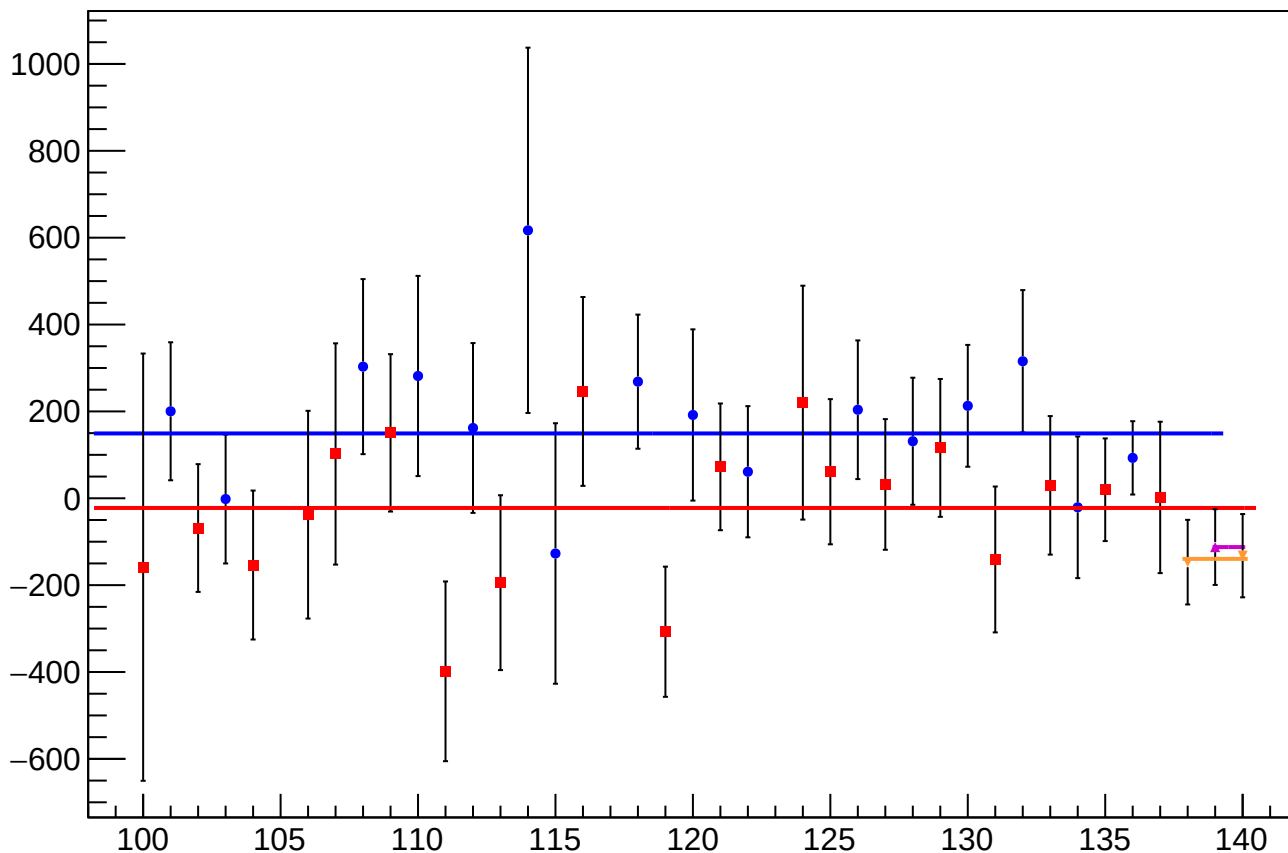
Left In: 503.834+/-0.392 χ^2/NDF : 0.0/0

+ sign 621.379+/-0.155 χ^2/NDF : 1482555.8/17

All: 643.737+/-0.115 χ^2/NDF : 2790270.6/37

- sign 671.327+/-0.172 χ^2/NDF : 1260978.5/19

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -139.511 $\pm$ 68.325 χ^2 /NDF: 0.0/1

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

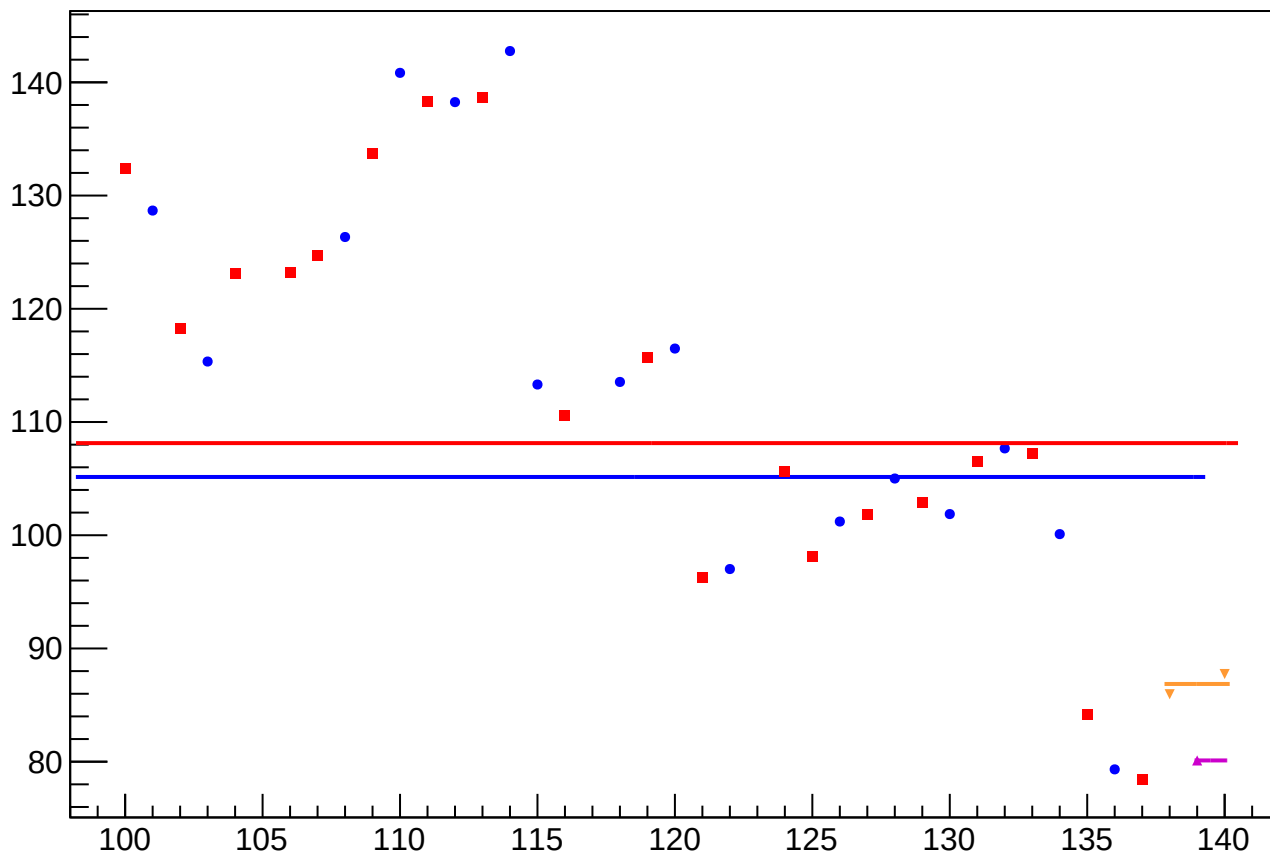
Left In: -112.357 $\pm$ 87.144 χ^2 /NDF: 0.0/0

+ sign 76.435 $\pm$ 34.318 χ^2 /NDF: 21.4/17

All: 22.632 $\pm$ 24.985 χ^2 /NDF: 41.7/37

- sign -38.049 $\pm$ 36.445 χ^2 /NDF: 15.1/19

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.5/15

Left Out: 86.865 $\pm$ 0.048 χ^2 /NDF:341.1/1

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

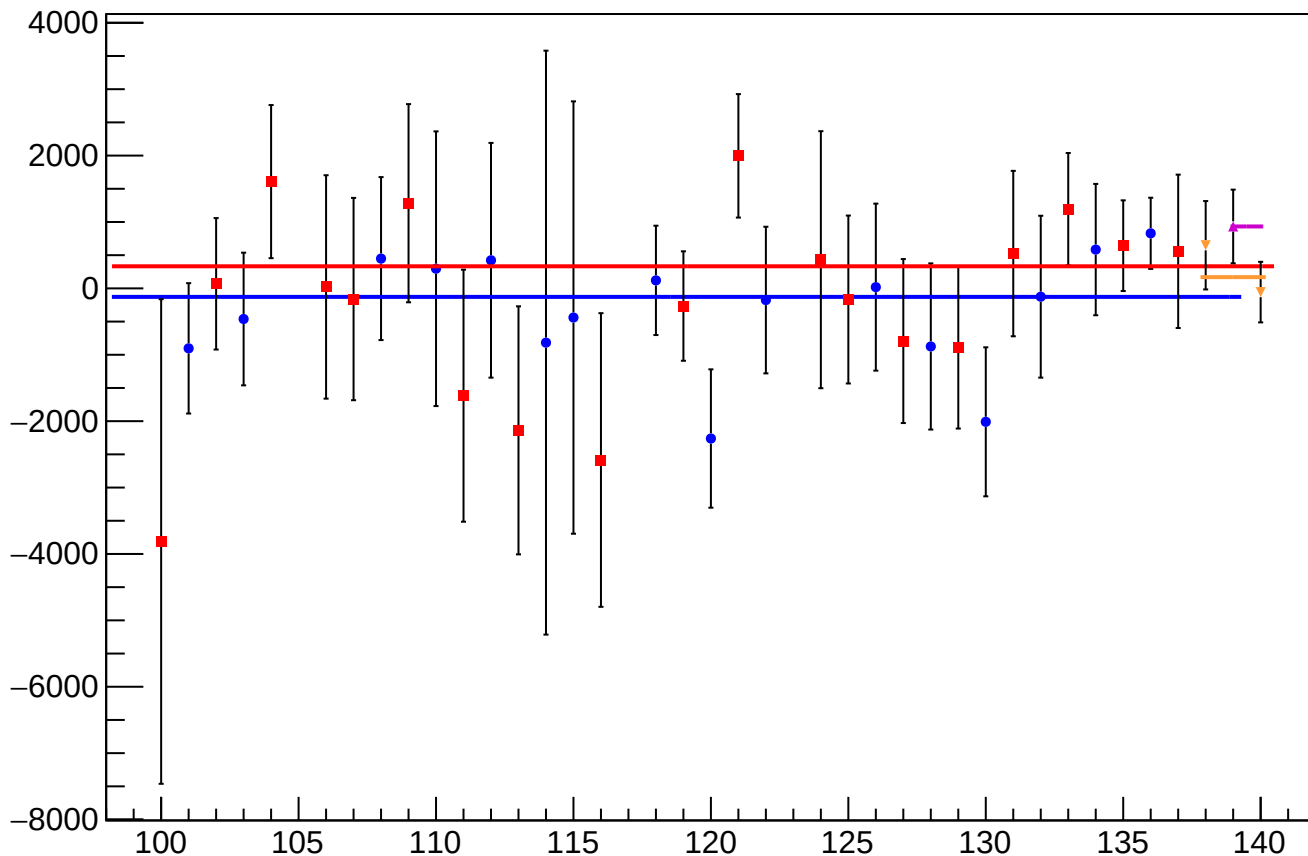
Left In: 80.110 $\pm$ 0.062 χ^2 /NDF:0.0/0

+ sign 100.534 $\pm$ 0.024 χ^2 /NDF: 515810.2/17

All: 101.803 $\pm$ 0.018 χ^2 /NDF: 1038630.7/37

- sign 103.235 $\pm$ 0.026 χ^2 /NDF: 517001.1/19

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: -128.047 $\pm$ 268.611 χ^2 /NDF: 12.3/15

Left Out: 169.216 $\pm$ 376.223 χ^2 /NDF: 0.8/1

Right Out: 332.665 $\pm$ 270.835 χ^2 /NDF: 14.7/18

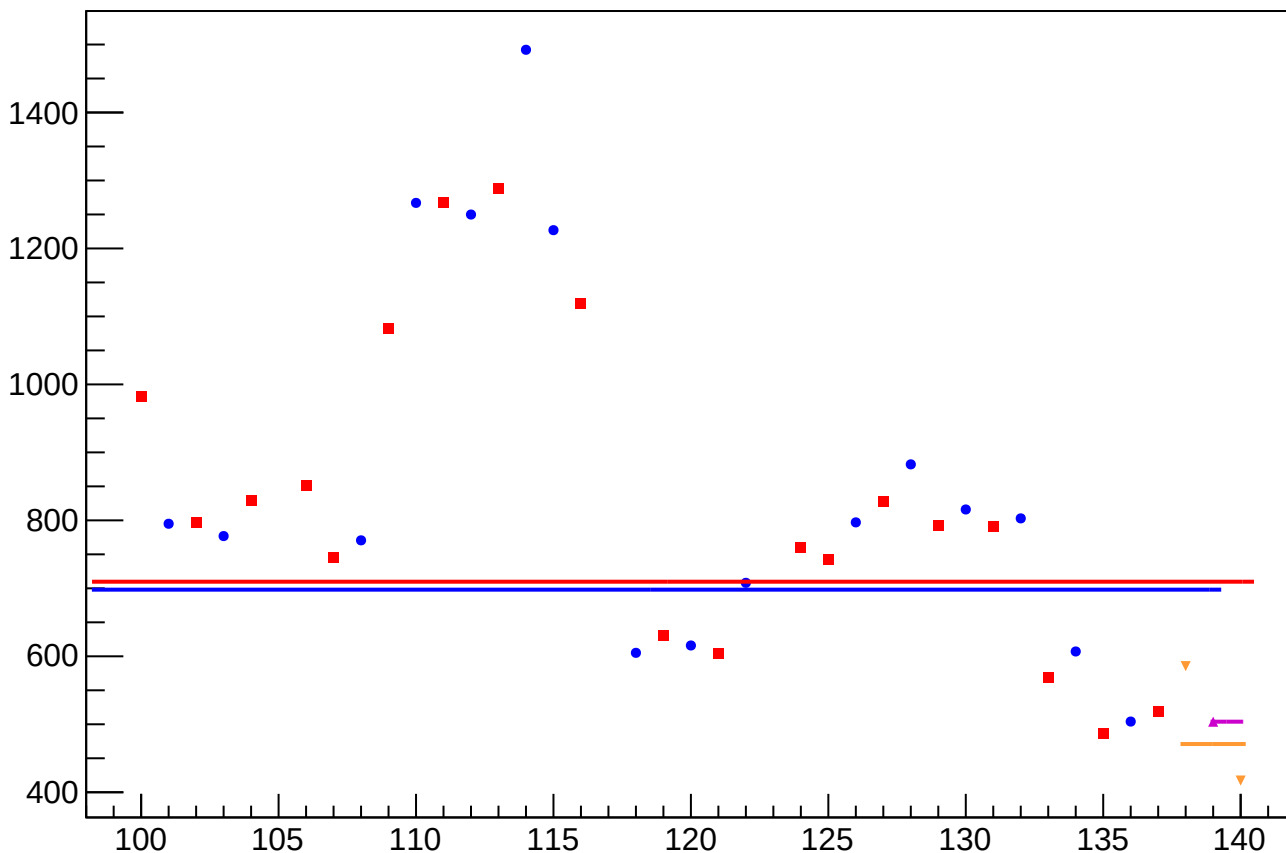
Left In: 932.583 $\pm$ 554.427 χ^2 /NDF: 0.0/0

+ sign -27.679 $\pm$ 218.611 χ^2 /NDF: 13.5/17

All: 184.866 $\pm$ 162.627 χ^2 /NDF: 31.2/37

- sign 448.242 $\pm$ 243.352 χ^2 /NDF: 15.6/19

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912861.2/15

Left Out: 470.960+/-0.266 χ^2/NDF : 87035.9/1

Right Out: 709.748+/-0.192 χ^2/NDF : 1027114.2/18

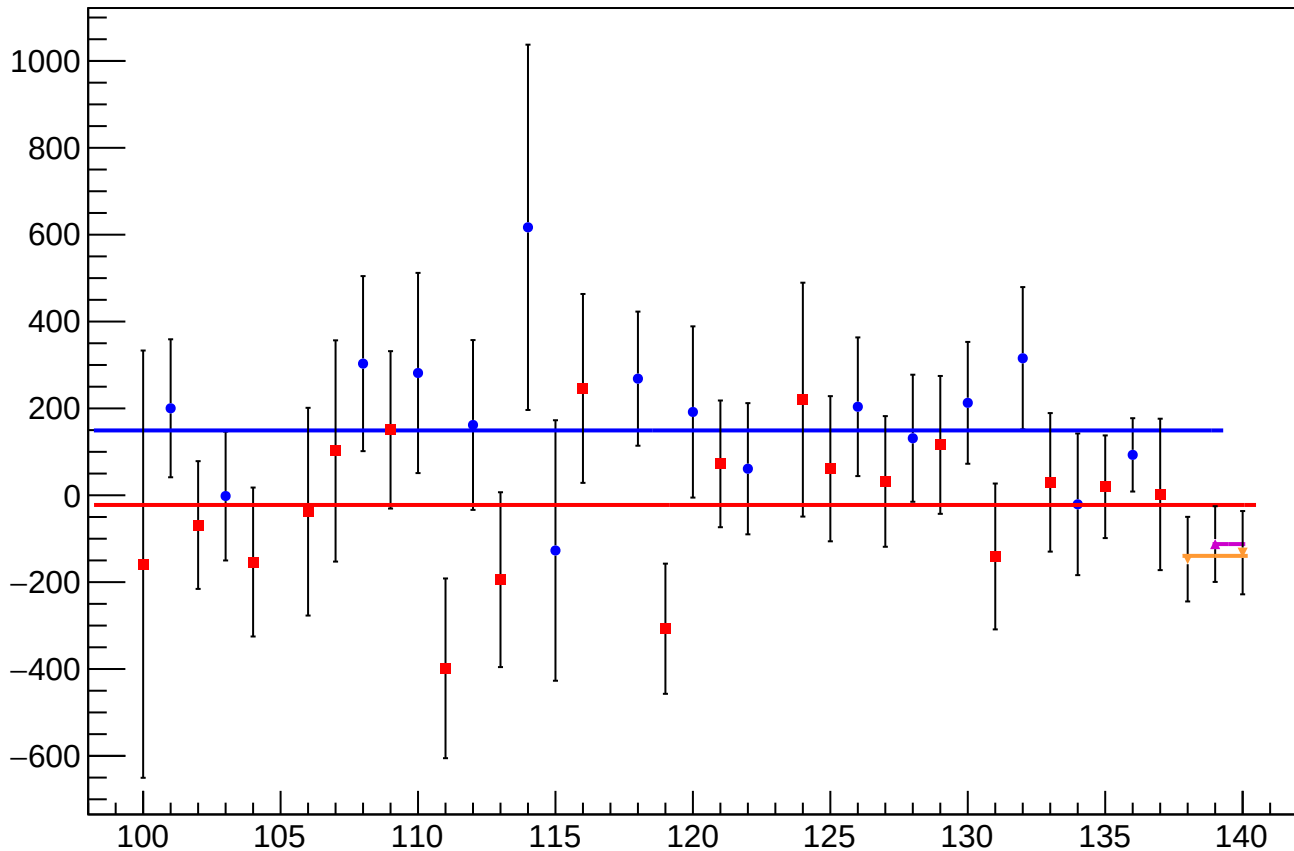
Left In: 503.834+/-0.392 χ^2/NDF : 0.0/0

+ sign 621.379+/-0.155 χ^2/NDF : 1482567.8/17

All: 643.128+/-0.115 χ^2/NDF : 2776734.6/37

- sign 670.078+/-0.172 χ^2/NDF : 1249842.4/19

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -139.511 $\pm$ 68.325 χ^2 /NDF: 0.0/1

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

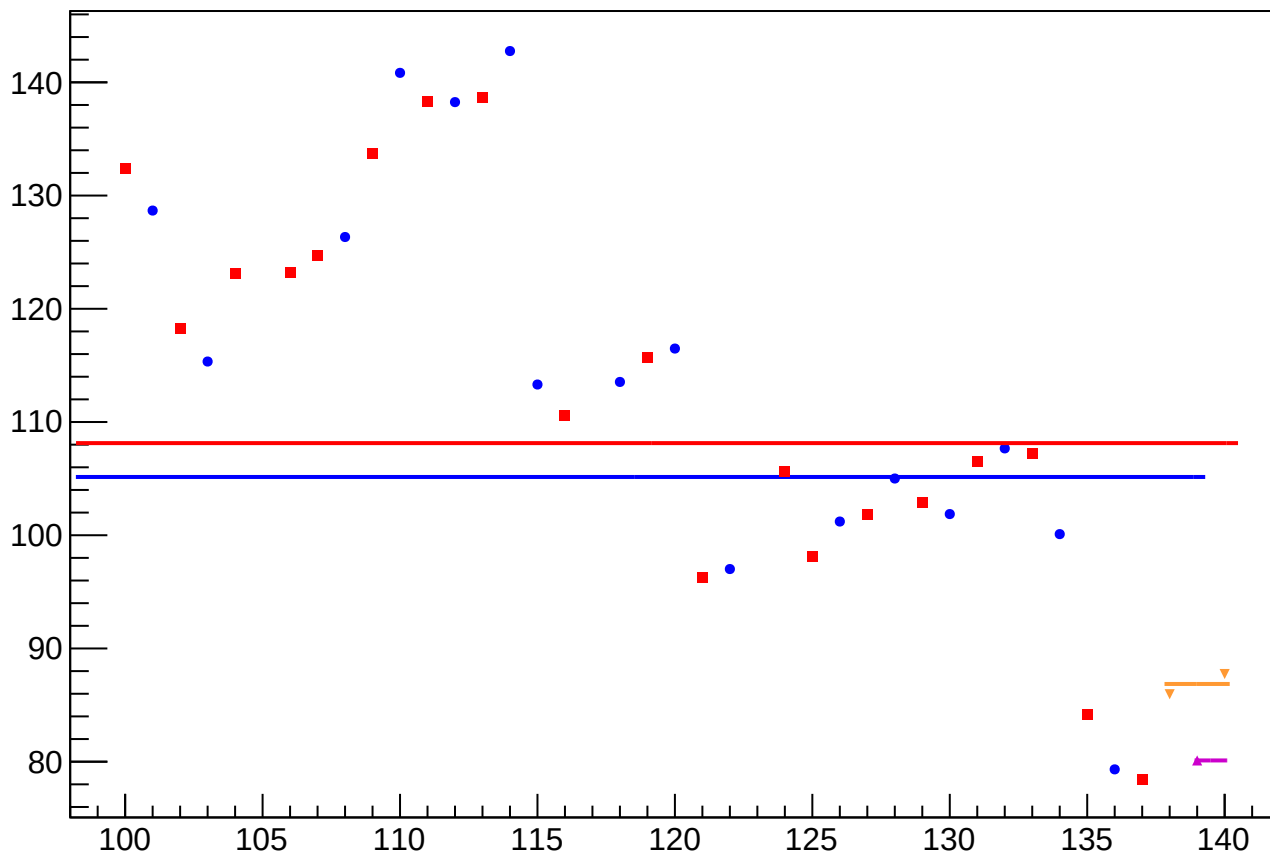
Left In: -112.357 $\pm$ 87.144 χ^2 /NDF: 0.0/0

+ sign 76.435 $\pm$ 34.318 χ^2 /NDF: 21.4/17

All: 22.632 $\pm$ 24.985 χ^2 /NDF: 41.7/37

- sign -38.049 $\pm$ 36.445 χ^2 /NDF: 15.1/19

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.5/15

Left Out: 86.865 $\pm$ 0.048 χ^2 /NDF:341.1/1

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

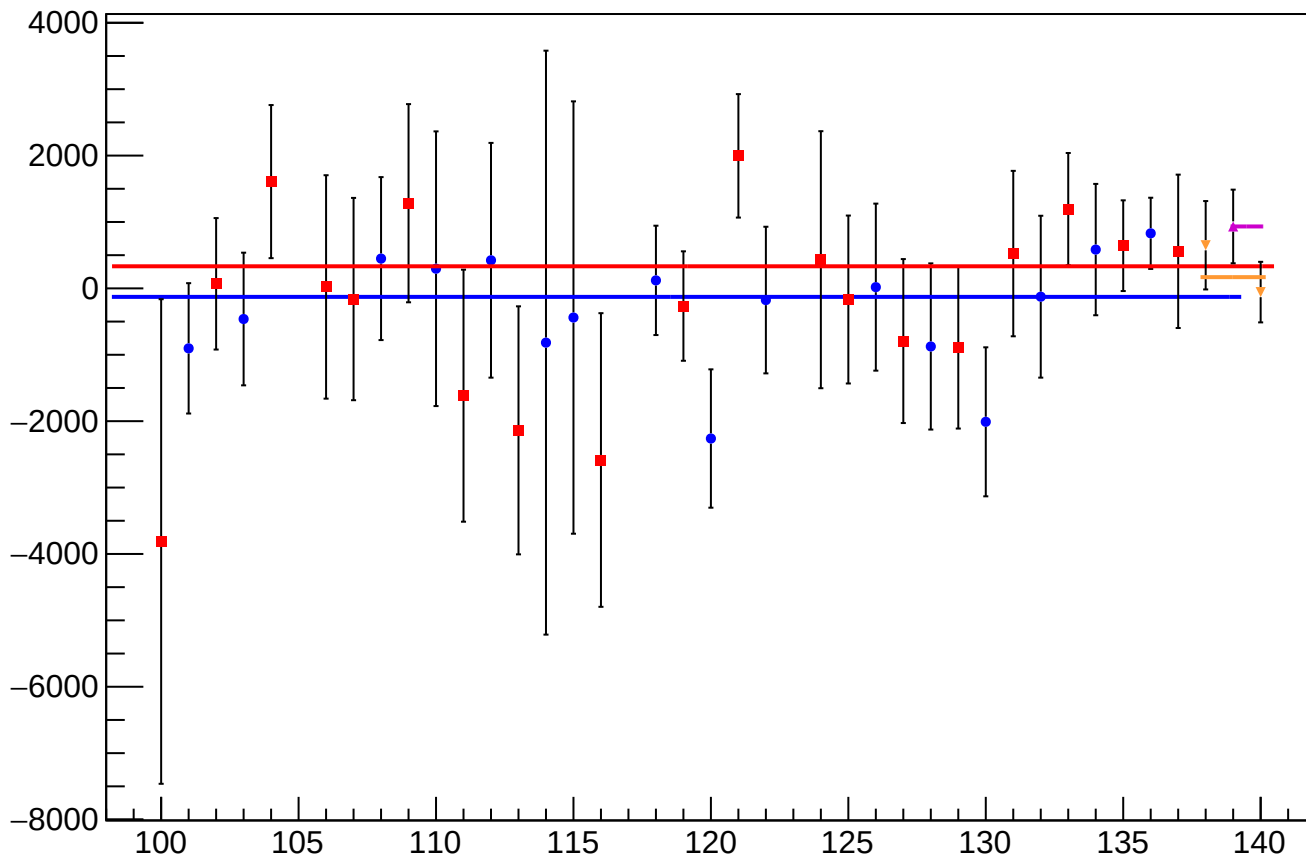
Left In: 80.110 $\pm$ 0.062 χ^2 /NDF:0.0/0

+ sign 100.534 $\pm$ 0.024 χ^2 /NDF: 515810.2/17

All: 101.803 $\pm$ 0.018 χ^2 /NDF: 1038630.7/37

- sign 103.235 $\pm$ 0.026 χ^2 /NDF: 517001.1/19

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: -128.047 $\pm$ 268.611 χ^2 /NDF: 12.3/15

Left Out: 169.216 $\pm$ 376.223 χ^2 /NDF: 0.8/1

Right Out: 332.665 $\pm$ 270.835 χ^2 /NDF: 14.7/18

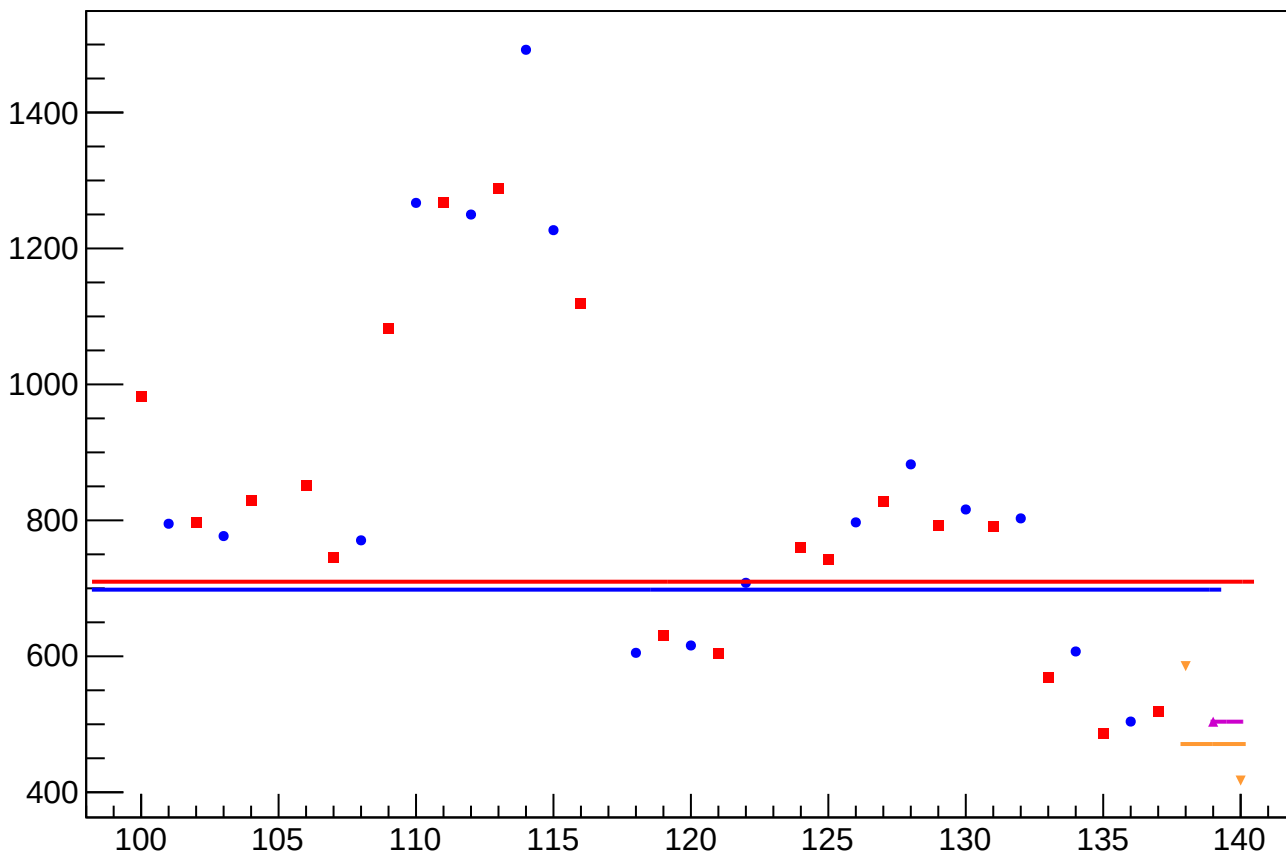
Left In: 932.583 $\pm$ 554.427 χ^2 /NDF: 0.0/0

+ sign -27.679 $\pm$ 218.611 χ^2 /NDF: 13.5/17

All: 184.866 $\pm$ 162.627 χ^2 /NDF: 31.2/37

- sign 448.242 $\pm$ 243.352 χ^2 /NDF: 15.6/19

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912861.2/15

Left Out: 470.960+/-0.266 χ^2/NDF : 87035.9/1

Right Out: 709.748+/-0.192 χ^2/NDF : 1027114.2/18

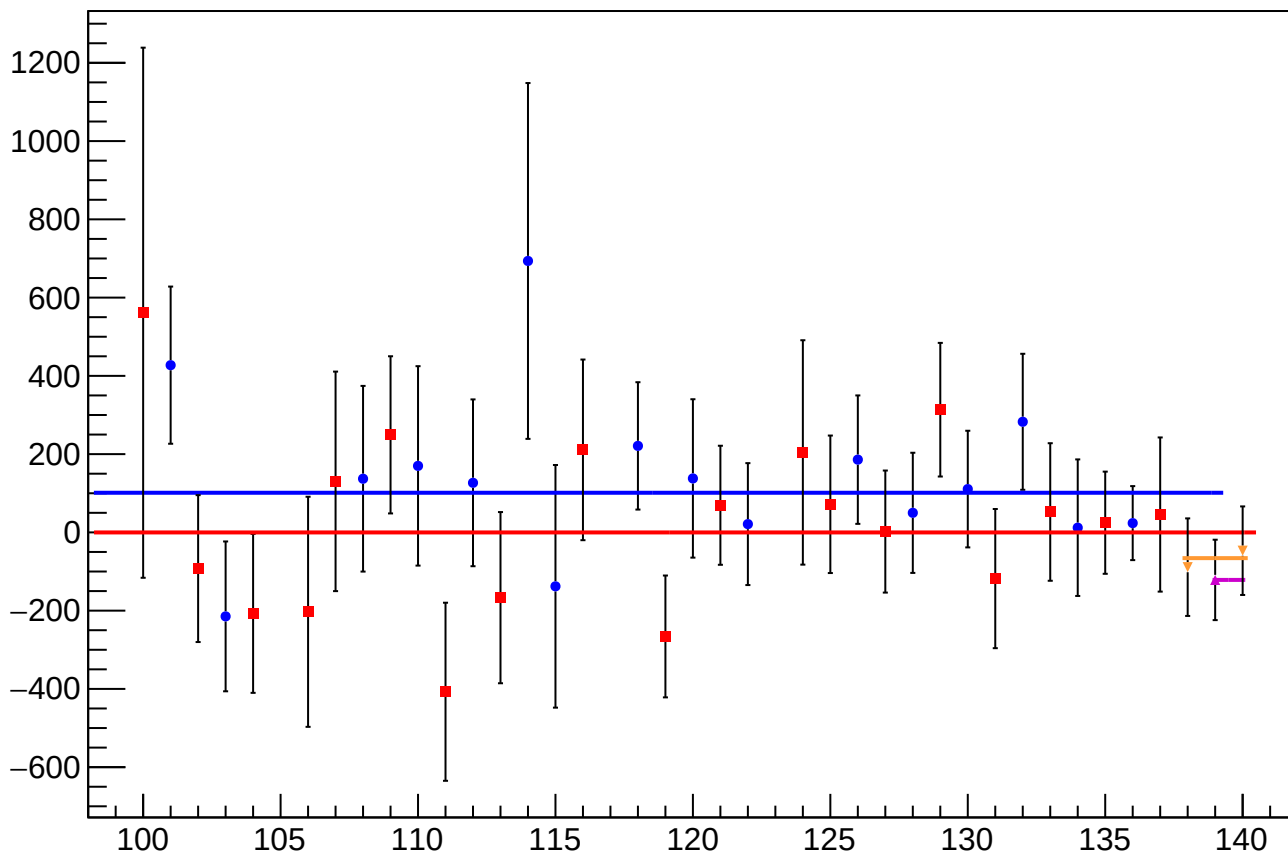
Left In: 503.834+/-0.392 χ^2/NDF : 0.0/0

+ sign 621.379+/-0.155 χ^2/NDF : 1482567.8/17

All: 643.128+/-0.115 χ^2/NDF : 2776734.6/37

- sign 670.078+/-0.172 χ^2/NDF : 1249842.4/19

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281 $\pm$ 43.510 χ^2 /NDF: 11.0/15

Left Out: -65.789 $\pm$ 83.784 χ^2 /NDF:0.1/1

Right Out: -0.125 $\pm$ 44.035 χ^2 /NDF: 16.6/18

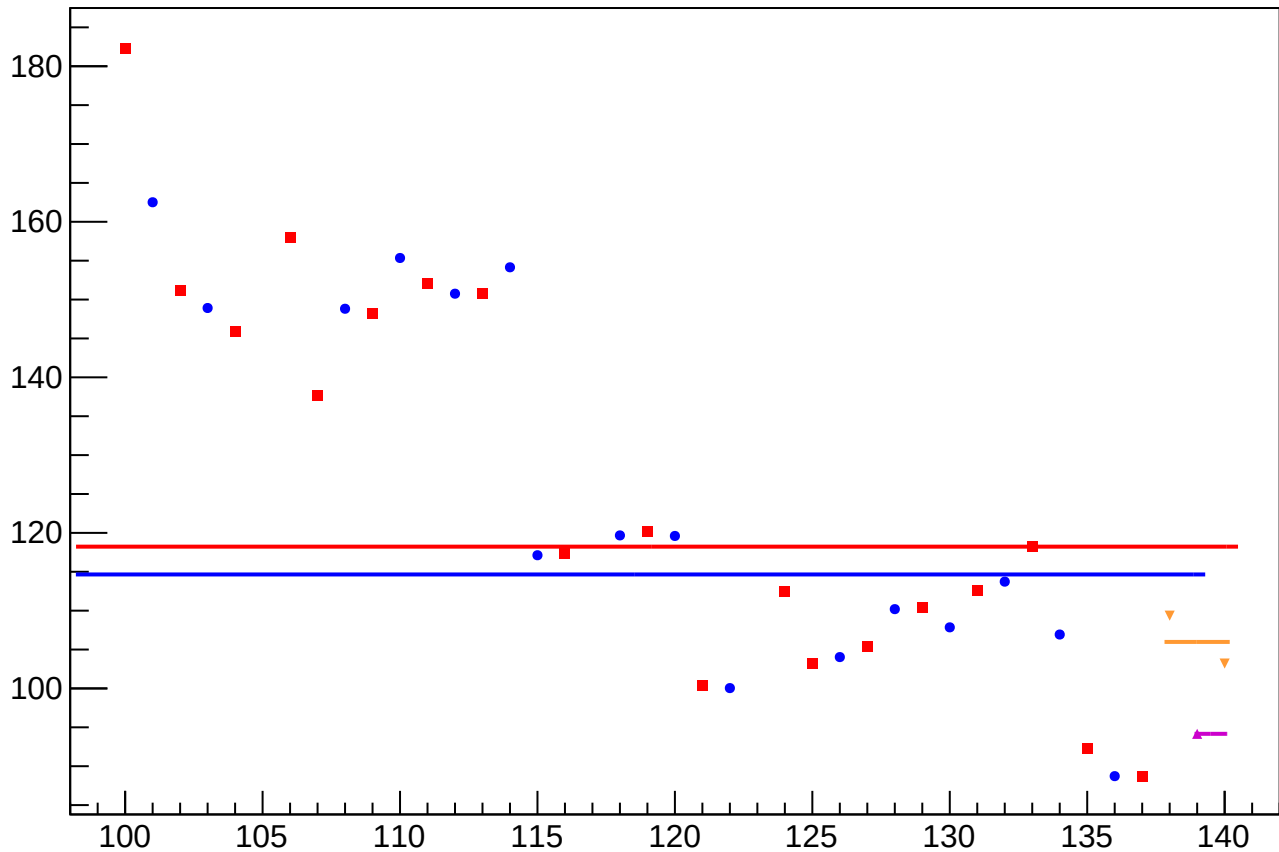
Left In: -121.461 $\pm$ 102.729 χ^2 /NDF:0.0/0

+ sign 65.795 $\pm$ 38.613 χ^2 /NDF: 14.2/17

All: 25.410 $\pm$ 27.938 χ^2 /NDF: 34.3/37

- sign -18.959 $\pm$ 40.473 χ^2 /NDF: 17.8/19

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655 $\pm$ 0.031 χ^2 /NDF: 531976.2/15

Left Out: 105.980 $\pm$ 0.059 χ^2 /NDF: 2676.7/1

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483407.4/18

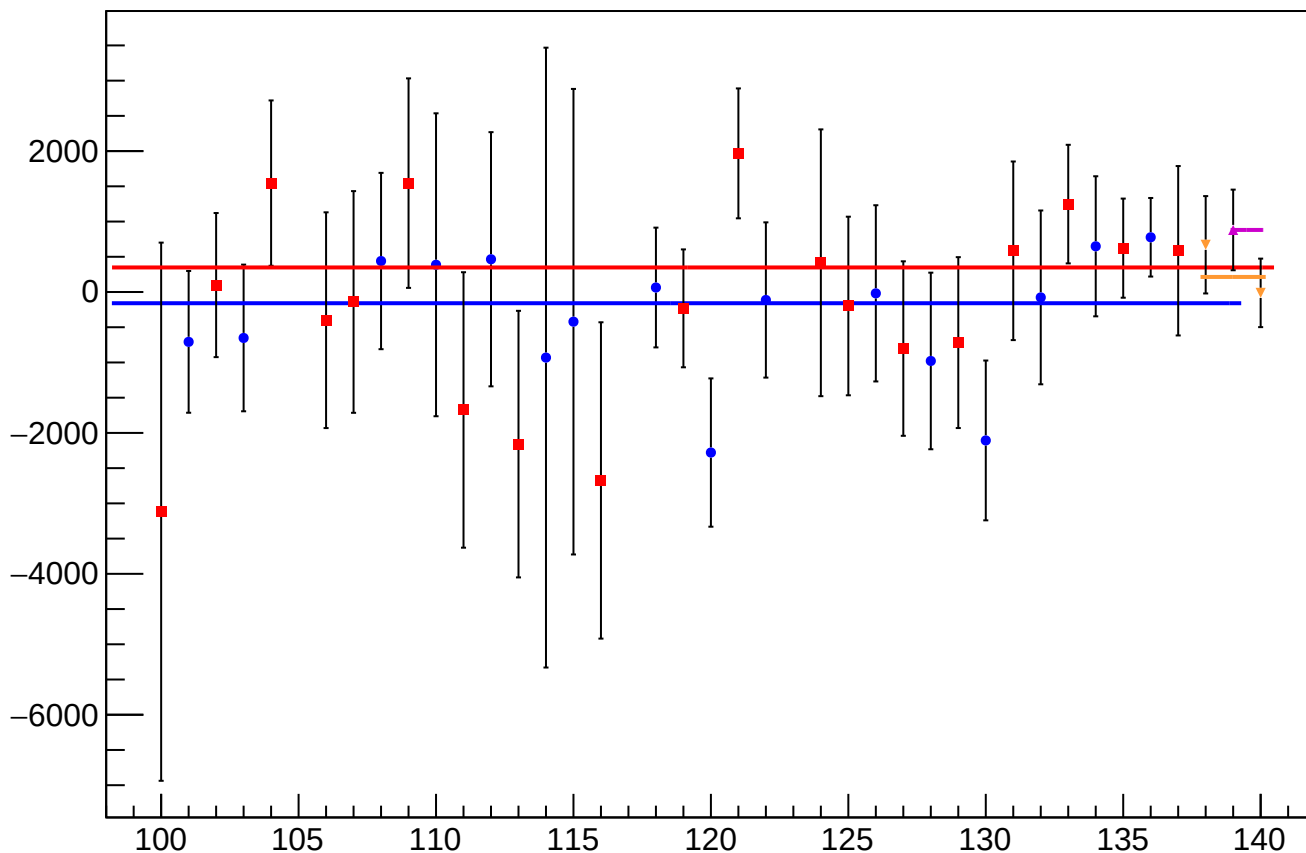
Left In: 94.163 $\pm$ 0.073 χ^2 /NDF: 0.0/0

+ sign 112.812 $\pm$ 0.027 χ^2 /NDF: 551537.5/17

All: 113.614 $\pm$ 0.020 χ^2 /NDF: 1129490.9/37

- sign 114.495 $\pm$ 0.029 χ^2 /NDF: 576143.9/19

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -159.110 $\pm$ 274.558 χ^2 /NDF: 12.0/15

Left Out: 213.755 $\pm$ 397.591 χ^2 /NDF: 0.7/1

Right Out: 348.528 $\pm$ 273.595 χ^2 /NDF: 14.3/18

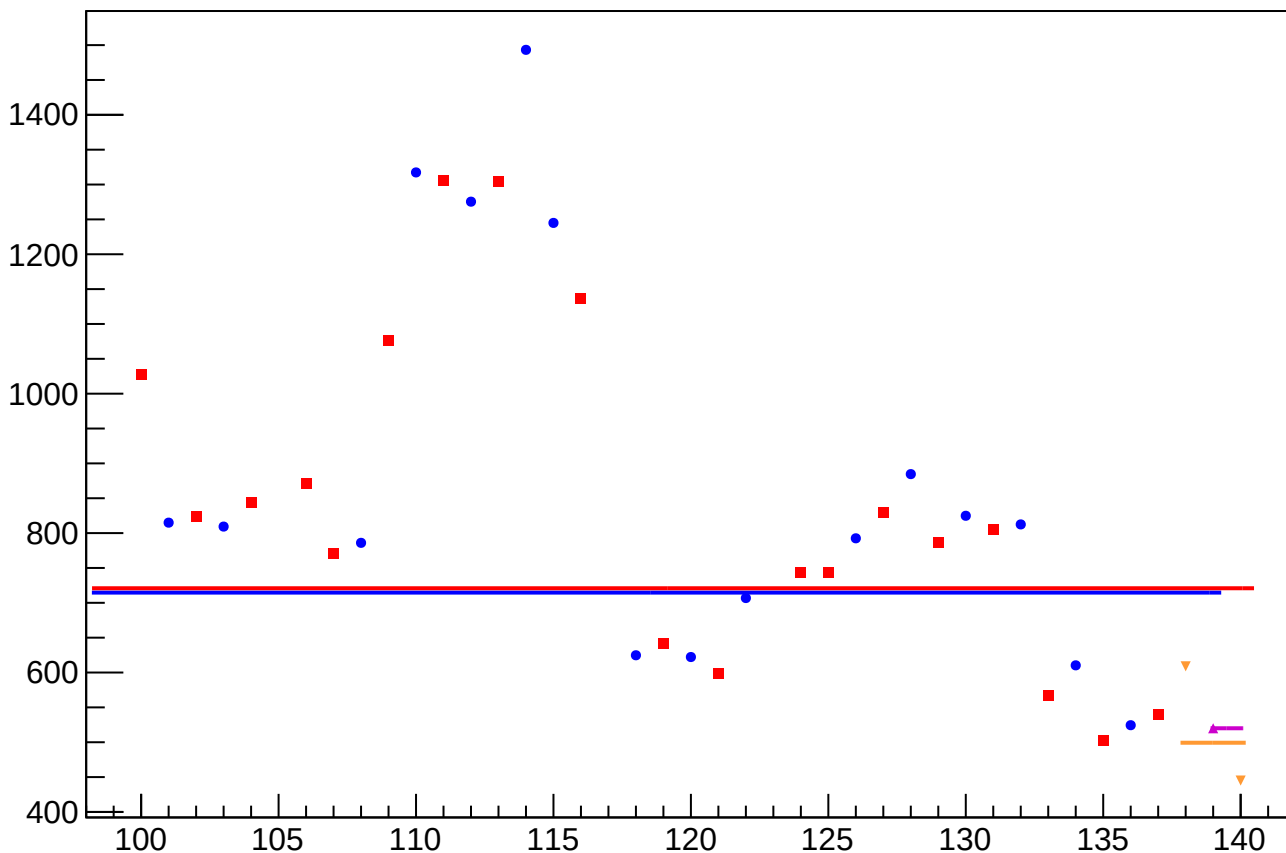
Left In: 880.968 $\pm$ 572.242 χ^2 /NDF: 0.0/0

+ sign -38.716 $\pm$ 225.924 χ^2 /NDF: 13.2/17

All: 182.972 $\pm$ 166.655 χ^2 /NDF: 30.3/37

- sign 447.593 $\pm$ 246.834 χ^2 /NDF: 15.0/19

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666 $\pm$ 0.194 χ^2 /NDF: 876217.1/15

Left Out: 499.288 $\pm$ 0.281 χ^2 /NDF: 75243.1/1

Right Out: 720.885 $\pm$ 0.193 χ^2 /NDF: 1018435.1/18

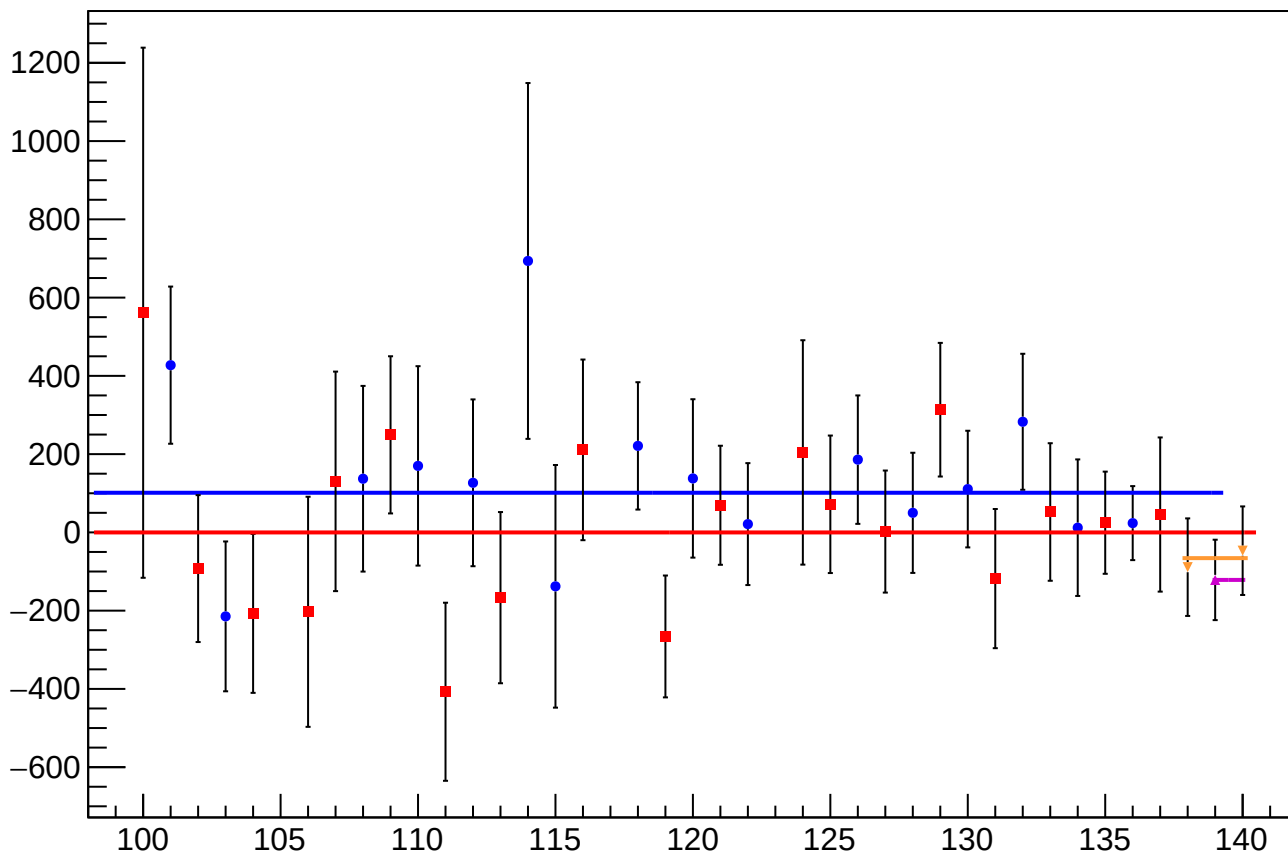
Left In: 520.038 $\pm$ 0.405 χ^2 /NDF: 0.0/0

+ sign 645.123 $\pm$ 0.160 χ^2 /NDF: 1348852.7/17

All: 662.624 $\pm$ 0.118 χ^2 /NDF: 2594151.9/37

- sign 683.515 $\pm$ 0.175 χ^2 /NDF: 1218970.8/19

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278 $\pm$ 43.510 χ^2/NDF : 11.0/15

Left Out: -65.792 $\pm$ 83.784 χ^2/NDF : 0.1/1

Right Out: -0.125 $\pm$ 44.035 χ^2/NDF : 16.6/18

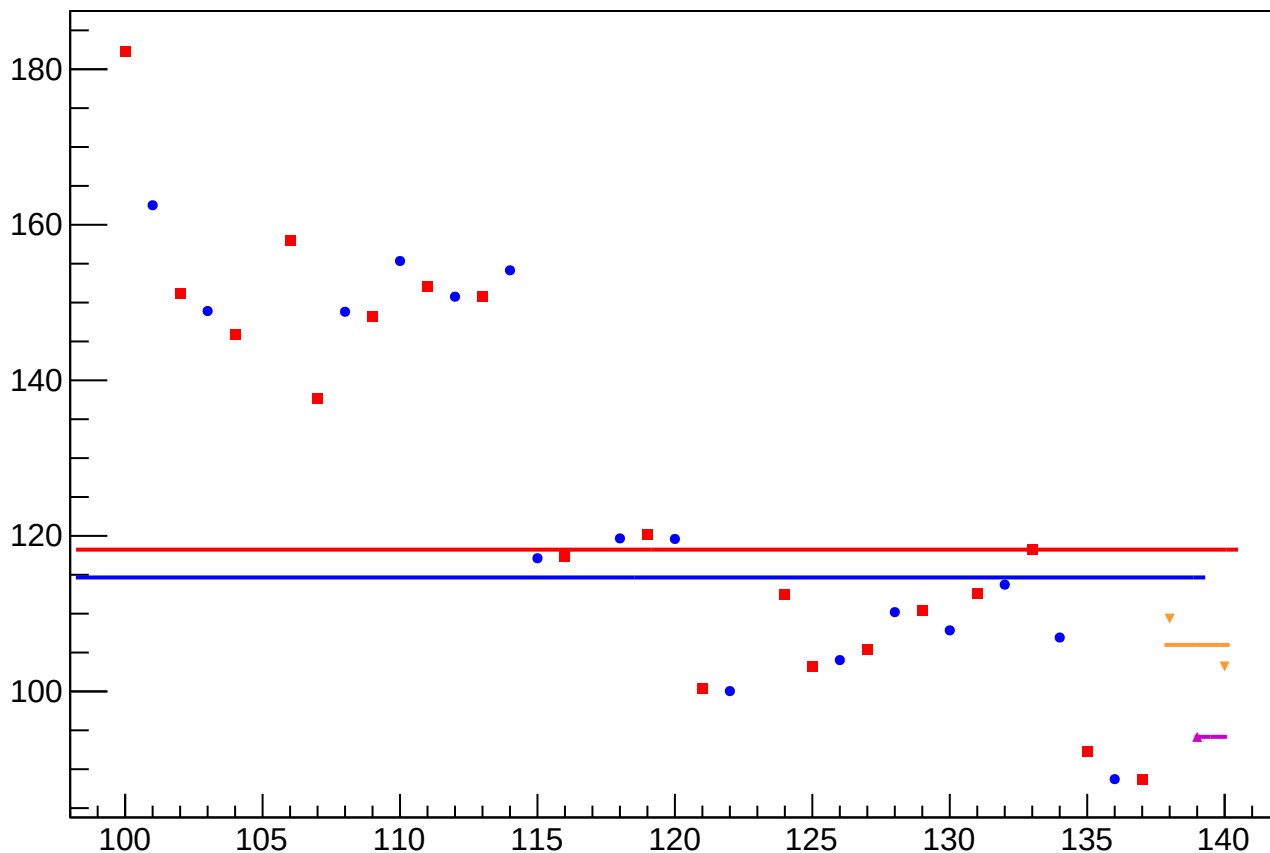
Left In: -121.462 $\pm$ 102.729 χ^2/NDF : 0.0/0

+ sign 65.793 $\pm$ 38.613 χ^2/NDF : 14.2/17

All: 25.409 $\pm$ 27.938 χ^2/NDF : 34.3/37

- sign -18.959 $\pm$ 40.473 χ^2/NDF : 17.8/19

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF : 531962.9/15

Left Out: 105.980+/-0.059 χ^2/NDF : 2676.7/1

Right Out: 118.230+/-0.031 χ^2/NDF : 483401.1/18

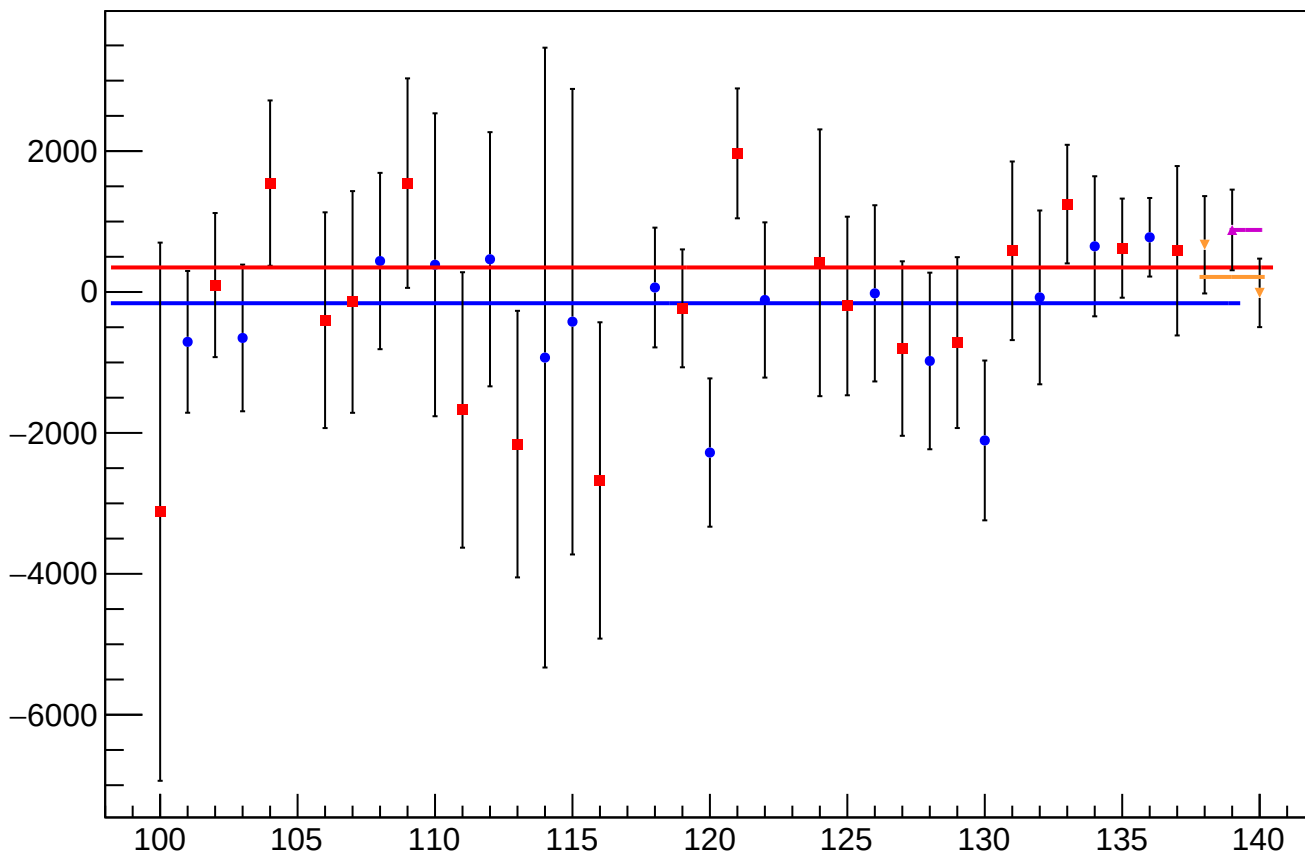
Left In: 94.163+/-0.073 χ^2/NDF : 0.0/0

+ sign 112.812+/-0.027 χ^2/NDF : 551524.5/17

All: 113.614+/-0.020 χ^2/NDF : 1129471.1/37

- sign 114.495+/-0.029 χ^2/NDF : 576137.4/19

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: -159.112 ± 274.558 χ^2/NDF : 12.0/15

Left Out: 213.753 ± 397.591 χ^2/NDF : 0.7/1

Right Out: 348.528 ± 273.595 χ^2/NDF : 14.3/18

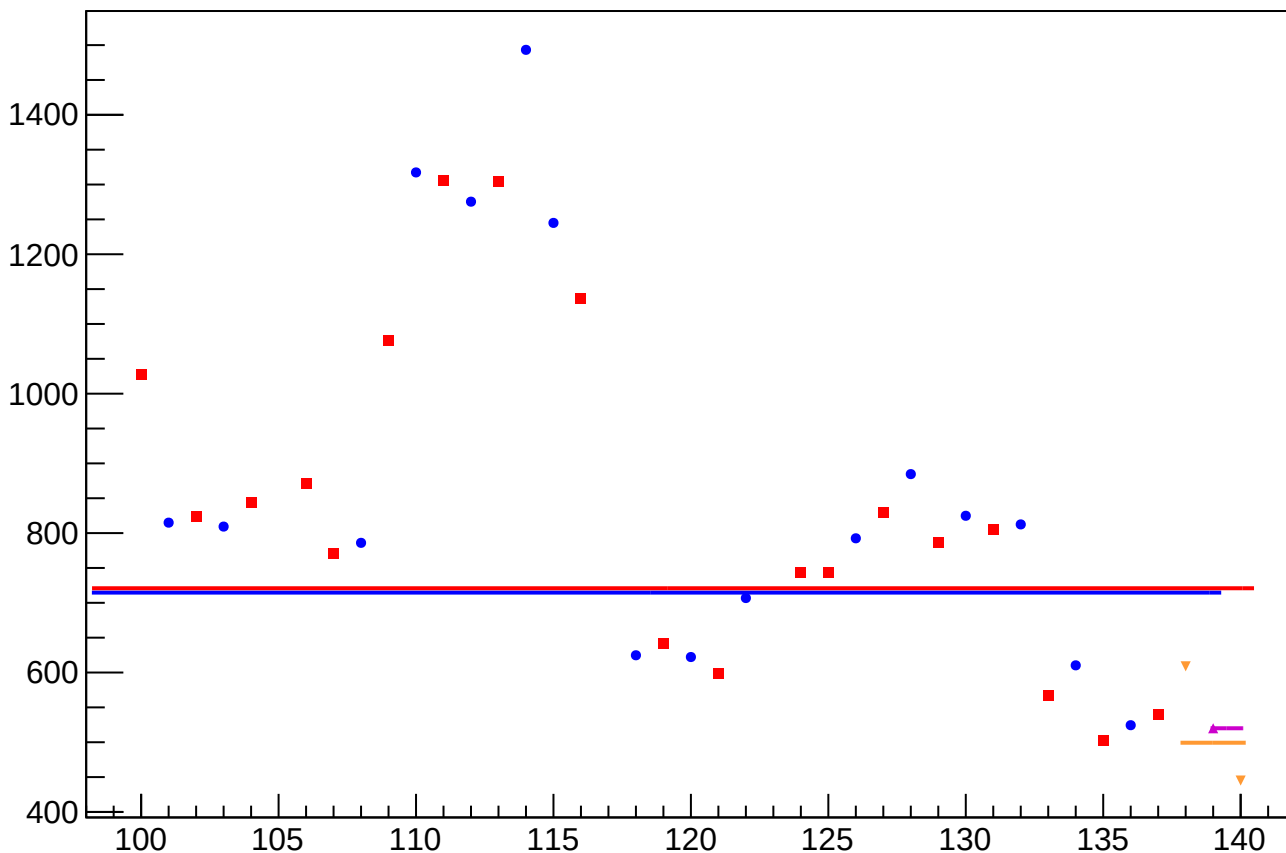
Left In: 880.969 ± 572.243 χ^2/NDF : 0.0/0

+ sign -38.718 ± 225.924 χ^2/NDF : 13.2/17

All: 182.971 ± 166.655 χ^2/NDF : 30.3/37

- sign 447.593 ± 246.834 χ^2/NDF : 15.0/19

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 714.666 $\pm$ 0.194 χ^2 /NDF: 876211.4/15

Left Out: 499.288 $\pm$ 0.281 χ^2 /NDF: 75242.8/1

Right Out: 720.884 $\pm$ 0.193 χ^2 /NDF: 1018428.9/18

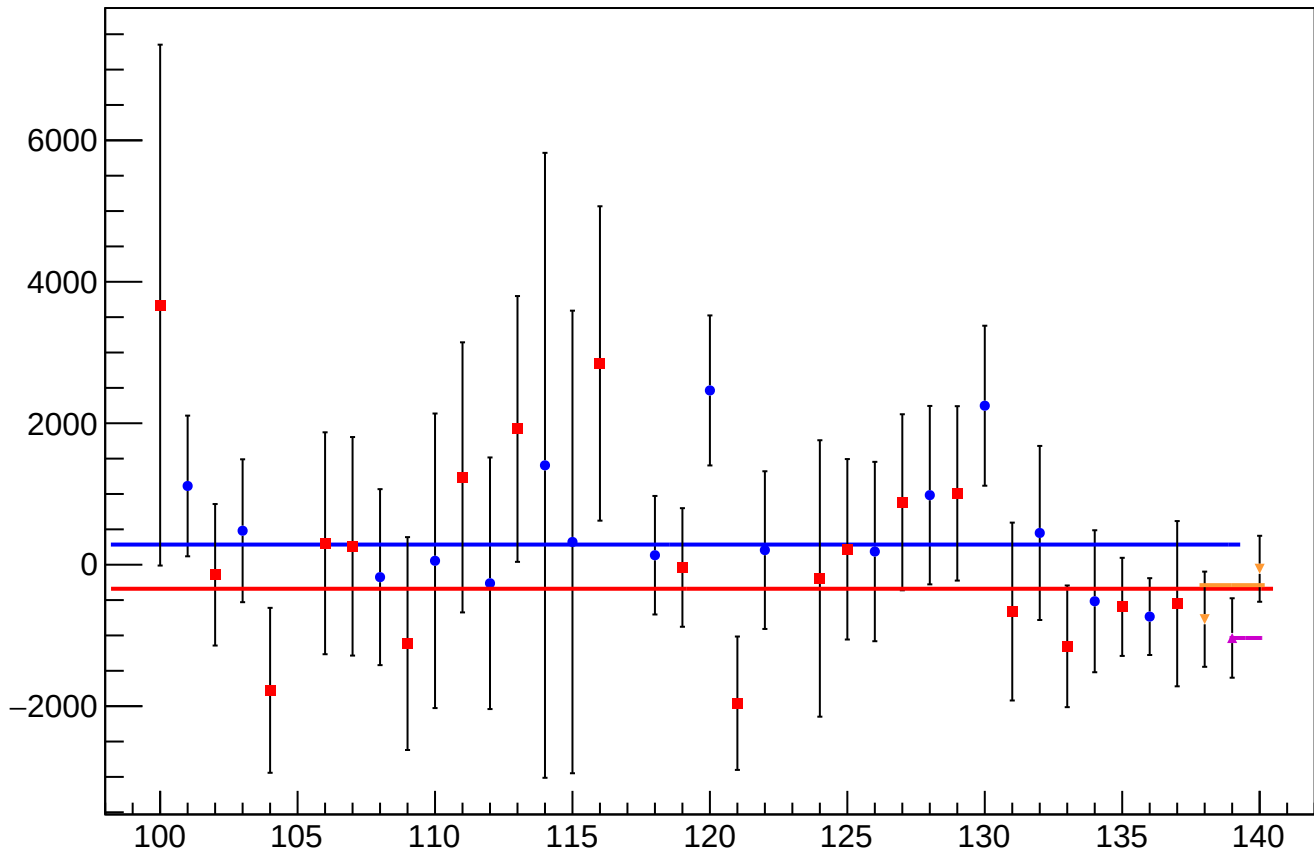
Left In: 520.039 $\pm$ 0.405 χ^2 /NDF: 0.0/0

+ sign 645.123 $\pm$ 0.160 χ^2 /NDF: 1348845.5/17

All: 662.625 $\pm$ 0.118 χ^2 /NDF: 2594136.3/37

- sign 683.515 $\pm$ 0.175 χ^2 /NDF: 1218962.5/19

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780 ± 271.944 χ^2/NDF : 12.8/15

Left Out: -288.851 ± 383.330 χ^2/NDF : 0.8/1

Right Out: -340.018 ± 273.601 χ^2/NDF : 14.1/18

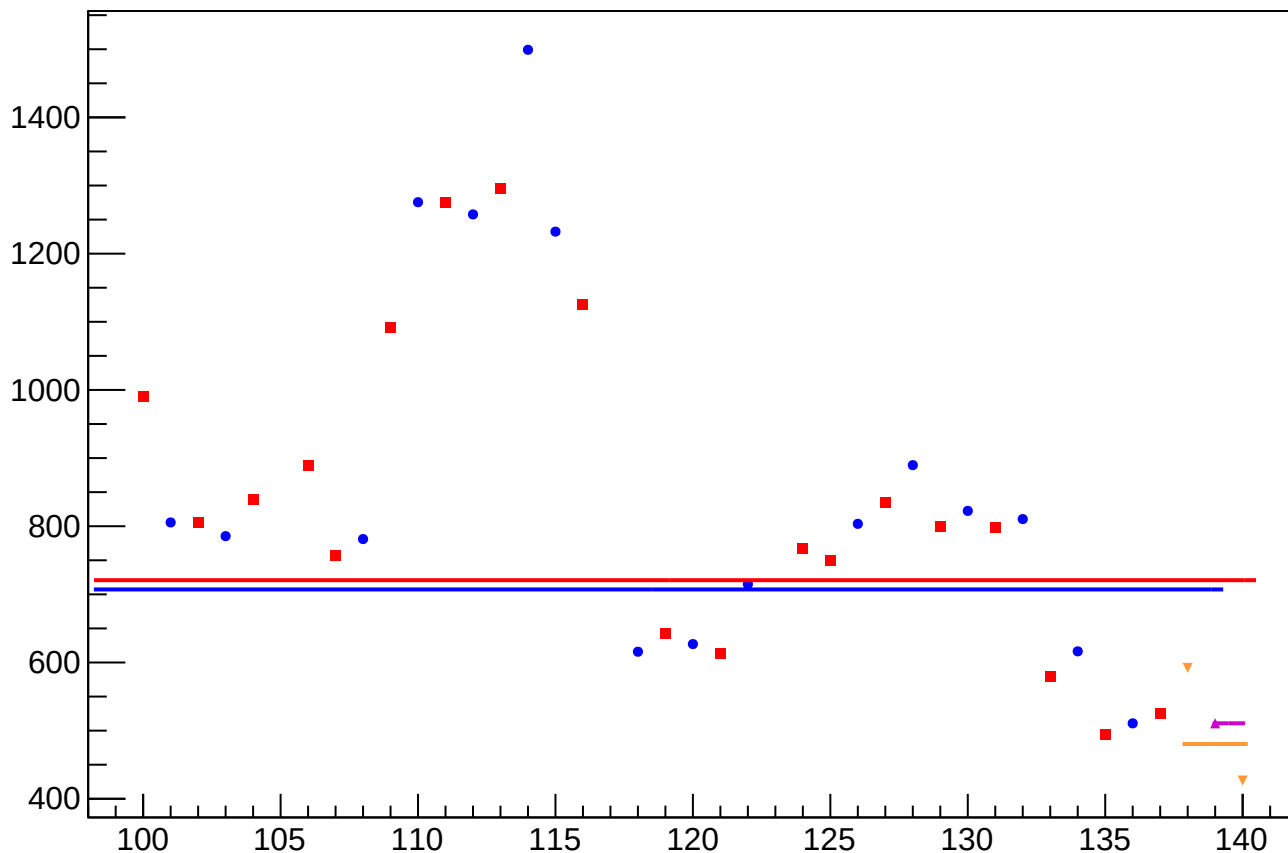
Left In: -1036.000 ± 561.731 χ^2/NDF : 0.0/0

+ sign 92.734 ± 221.799 χ^2/NDF : 15.0/17

All: -161.182 ± 164.722 χ^2/NDF : 33.3/37

- sign -473.471 ± 245.976 χ^2/NDF : 15.3/19

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF : 896689.9/15

Left Out: 480.363+/-0.271 χ^2/NDF : 81548.5/1

Right Out: 720.778+/-0.193 χ^2/NDF : 1015277.9/18

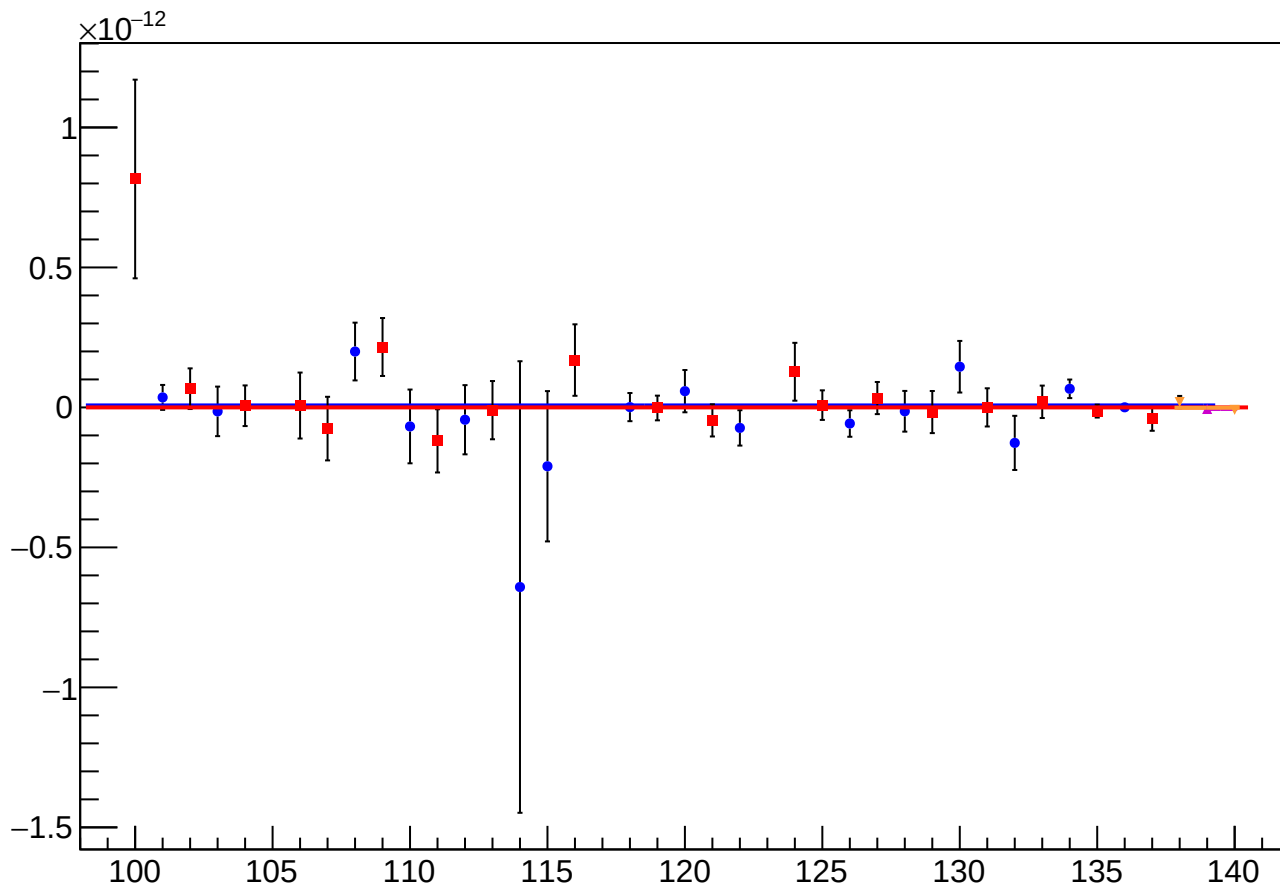
Left In: 510.742+/-0.397 χ^2/NDF : 0.0/0

+ sign 631.263+/-0.157 χ^2/NDF : 1444154.9/17

All: 653.346+/-0.116 χ^2/NDF : 2729638.0/37

- sign 680.504+/-0.174 χ^2/NDF : 1241277.6/19

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF : 1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 17.8/18

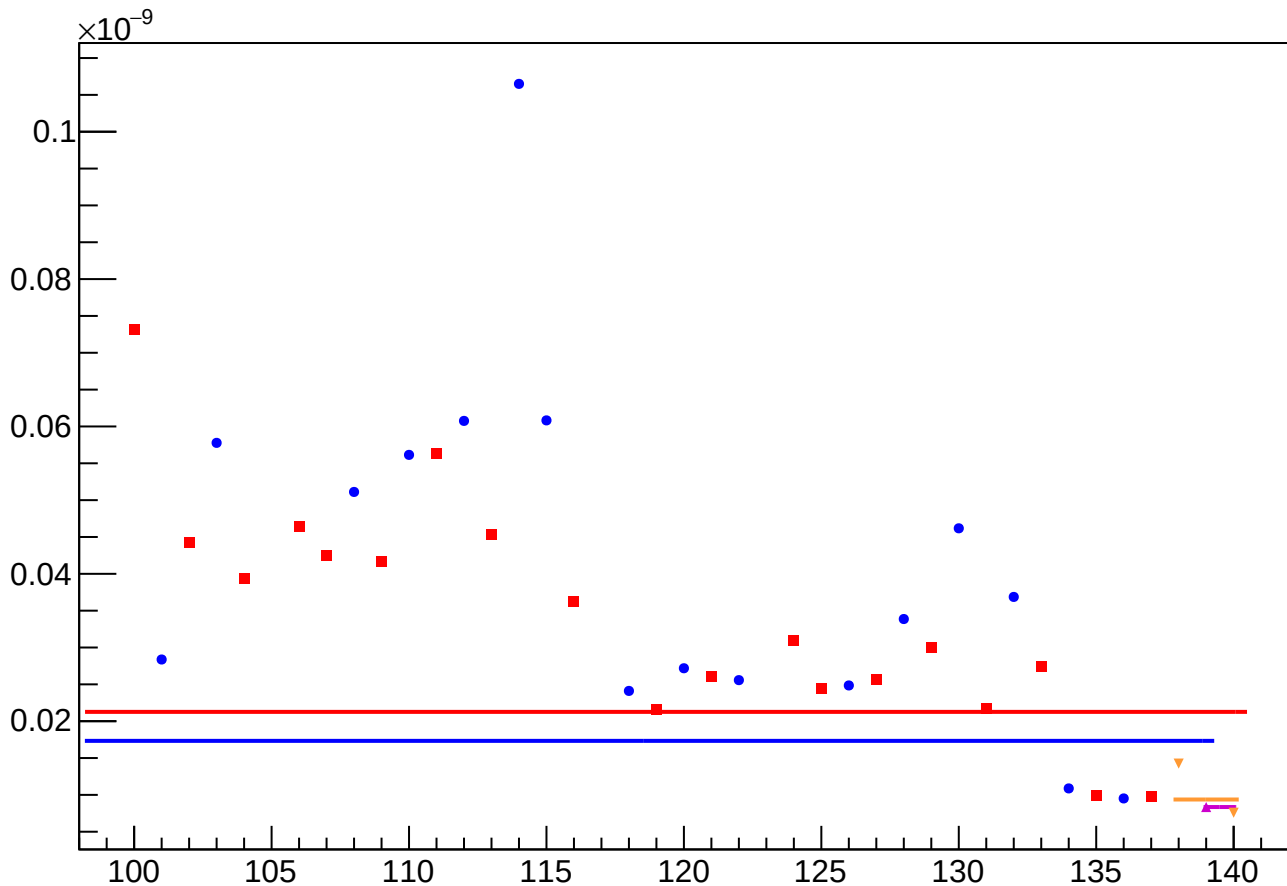
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 18.8/17

All: 0.000+/-0.000 χ^2/NDF : 36.9/37

- sign -0.000+/-0.000 χ^2/NDF : 17.9/19

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 :136032.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1671050.7/18

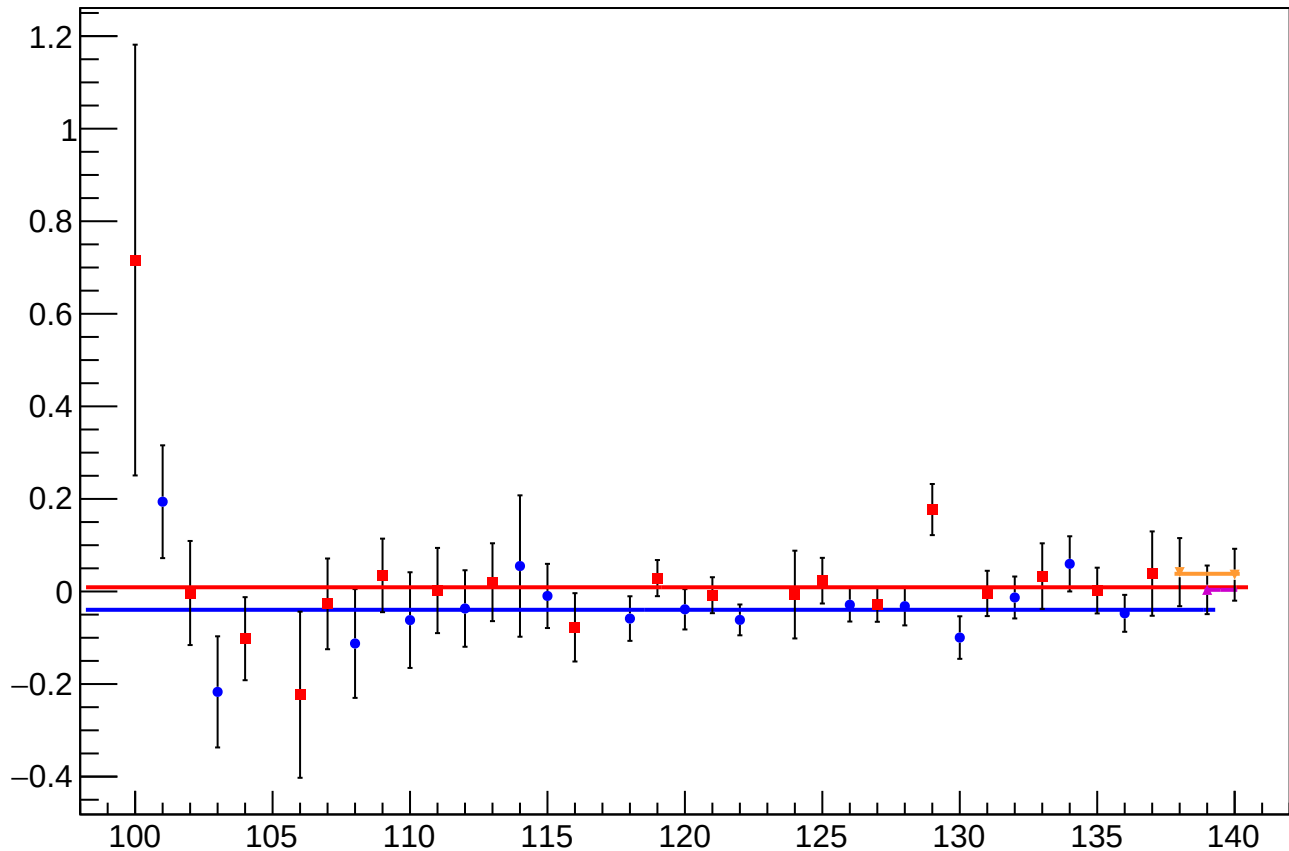
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2991466.9/17

All: 0.000+/-0.000 χ^2/NDF : 5571668.7/37

- sign 0.000+/-0.000 χ^2/NDF : 2531504.4/19

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: 0.038 ± 0.045 χ^2/NDF : 0.0/1

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

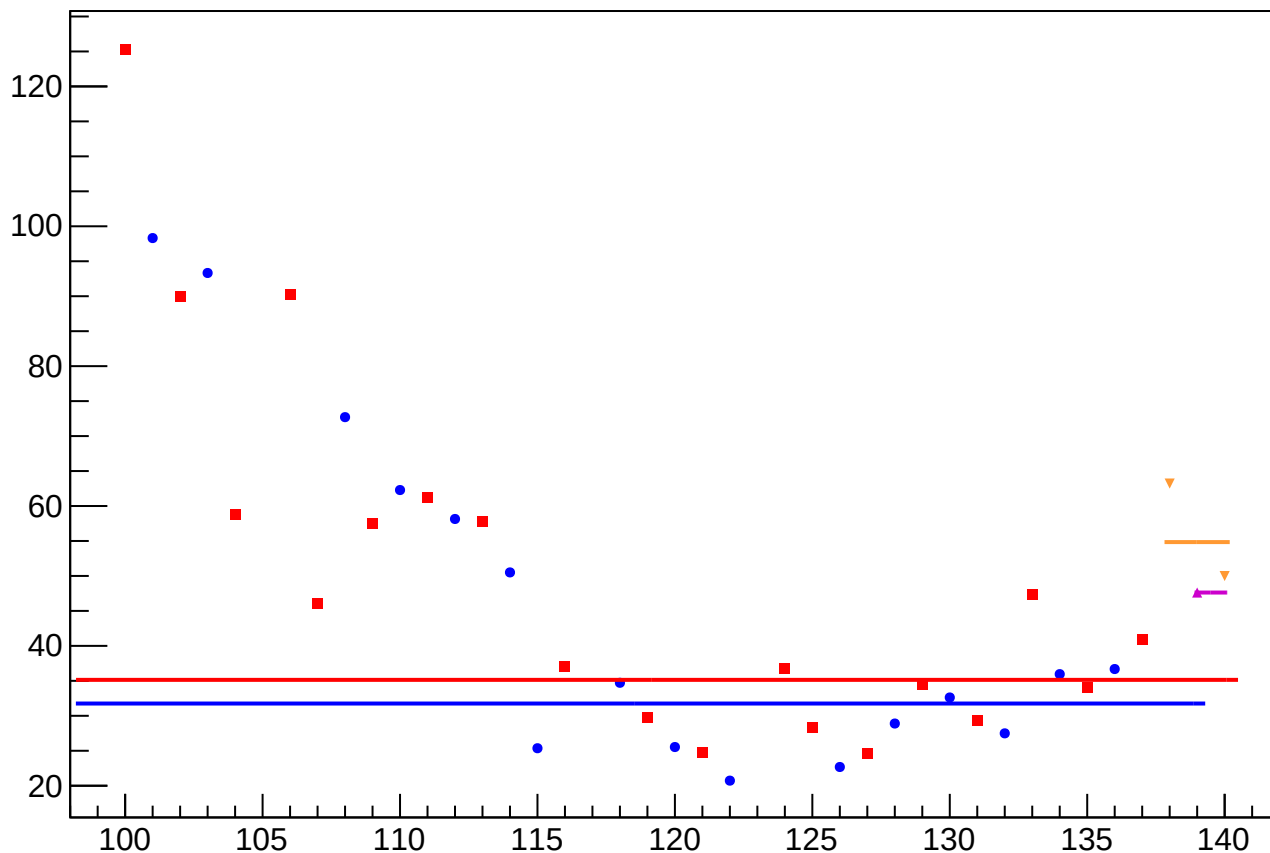
Left In: 0.004 ± 0.053 χ^2/NDF : 0.0/0

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/37

- sign 0.009 ± 0.014 χ^2/NDF : 18.3/19

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF : 2252399.3/15

Left Out: 54.842+/-0.032 χ^2/NDF : 40886.3/1

Right Out: 35.140+/-0.010 χ^2/NDF : 1844676.3/18

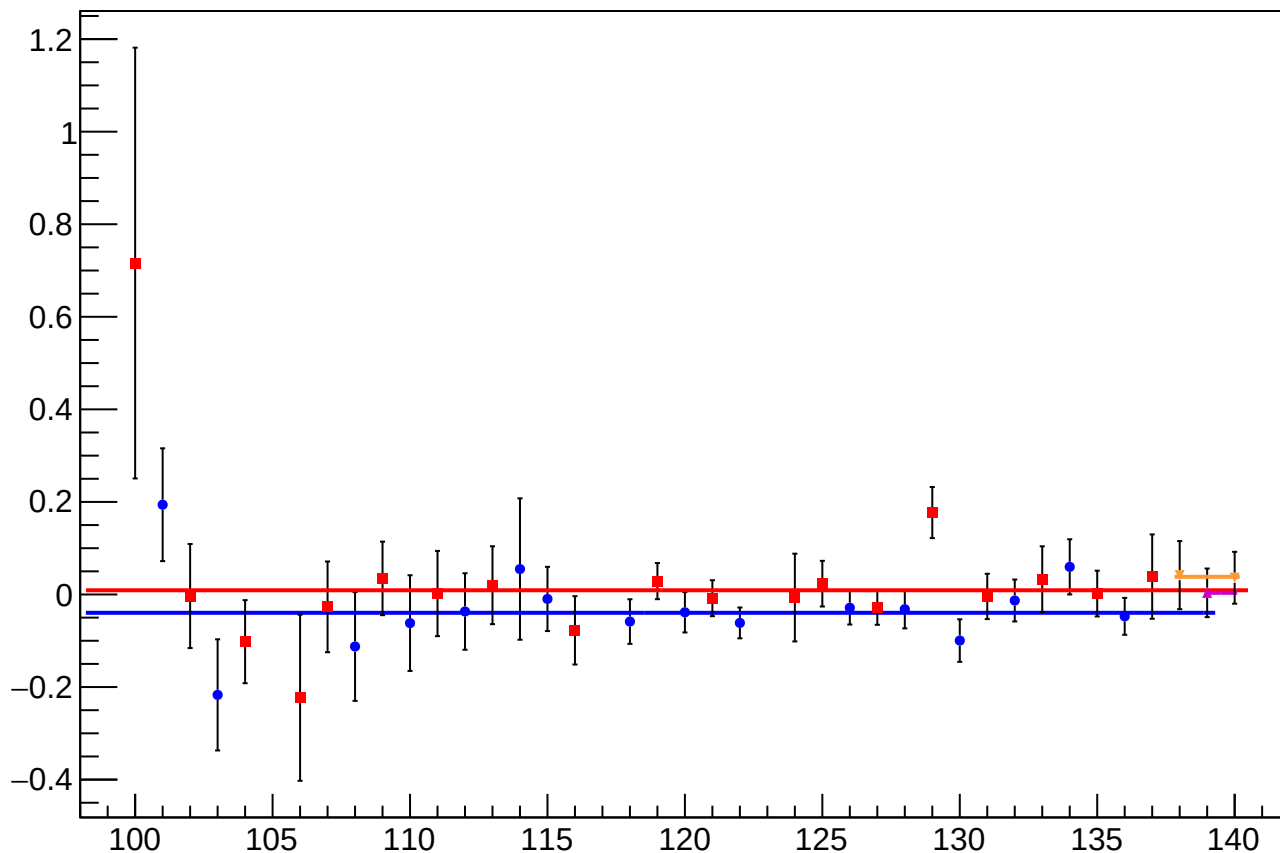
Left In: 47.626+/-0.037 χ^2/NDF : 0.0/0

+ sign 33.606+/-0.009 χ^2/NDF : 2786465.2/17

All: 34.701+/-0.007 χ^2/NDF : 4769267.7/37

- sign 35.987+/-0.010 χ^2/NDF : 1950081.2/19

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 χ^2/NDF : 12.4/15

Left Out: 0.038 ± 0.045 χ^2/NDF : 0.0/1

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

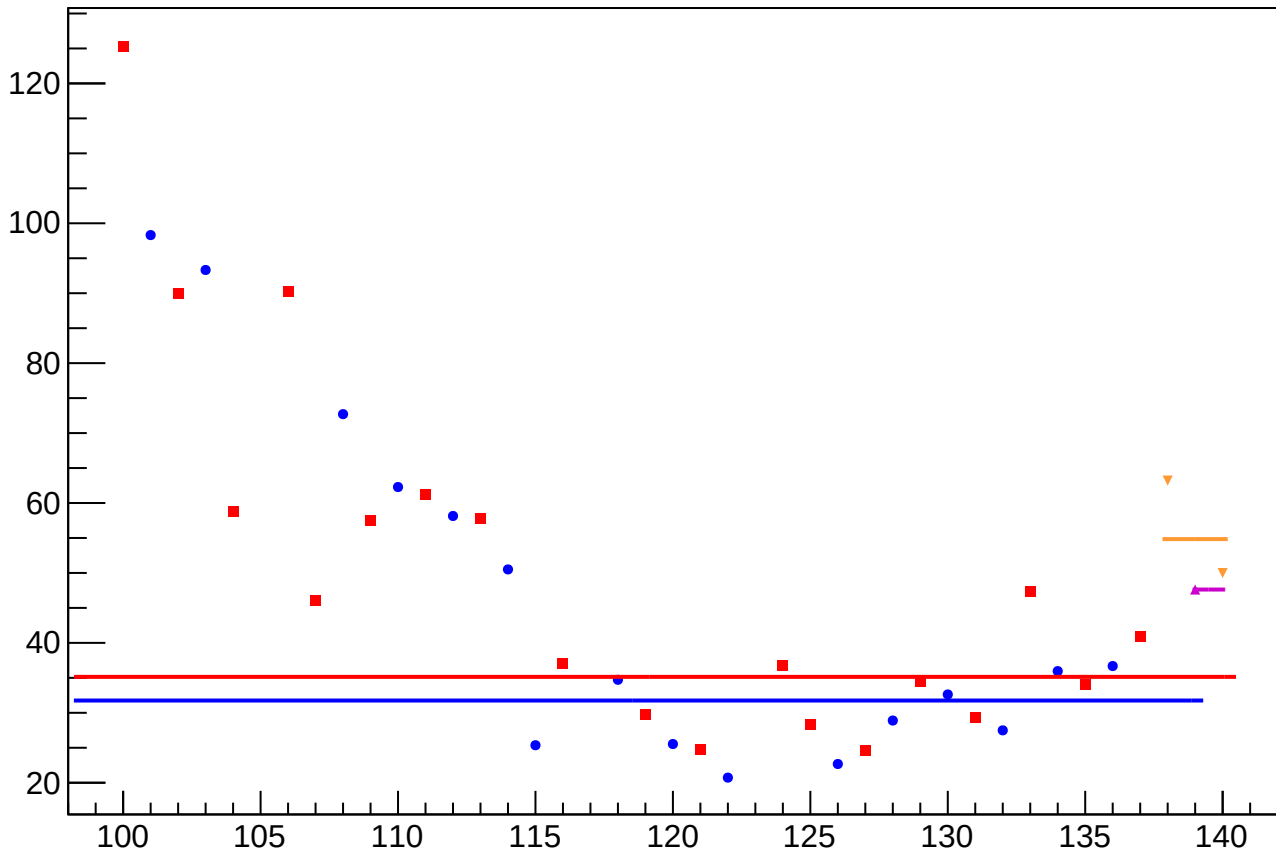
Left In: 0.004 ± 0.053 χ^2/NDF : 0.0/0

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/37

- sign 0.009 ± 0.014 χ^2/NDF : 18.3/19

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF : 2252399.3/15

Left Out: 54.842+/-0.032 χ^2/NDF : 40886.3/1

Right Out: 35.140+/-0.010 χ^2/NDF : 1844676.3/18

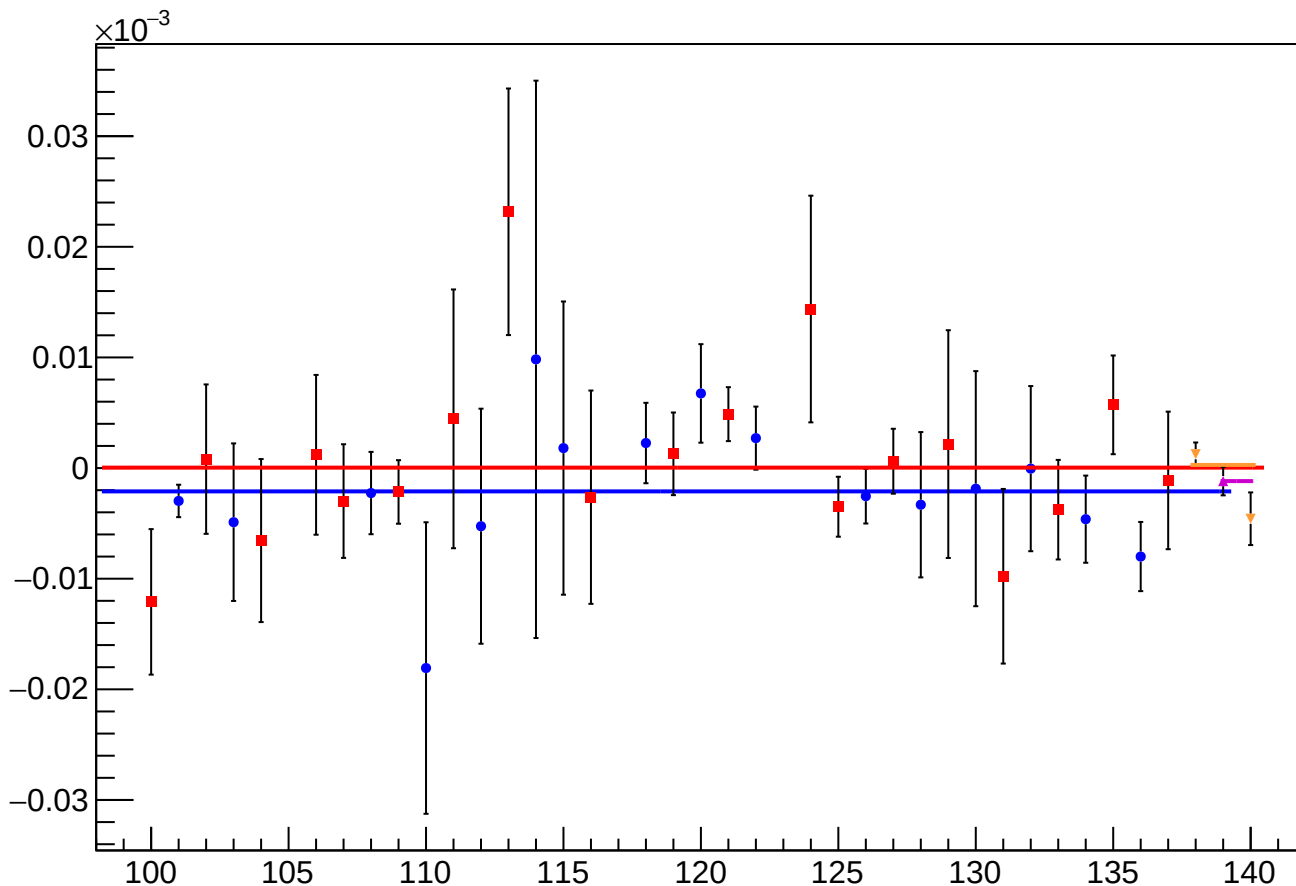
Left In: 47.626+/-0.037 χ^2/NDF : 0.0/0

+ sign 33.606+/-0.009 χ^2/NDF : 2786465.2/17

All: 34.701+/-0.007 χ^2/NDF : 4769267.7/37

- sign 35.987+/-0.010 χ^2/NDF : 1950081.2/19

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

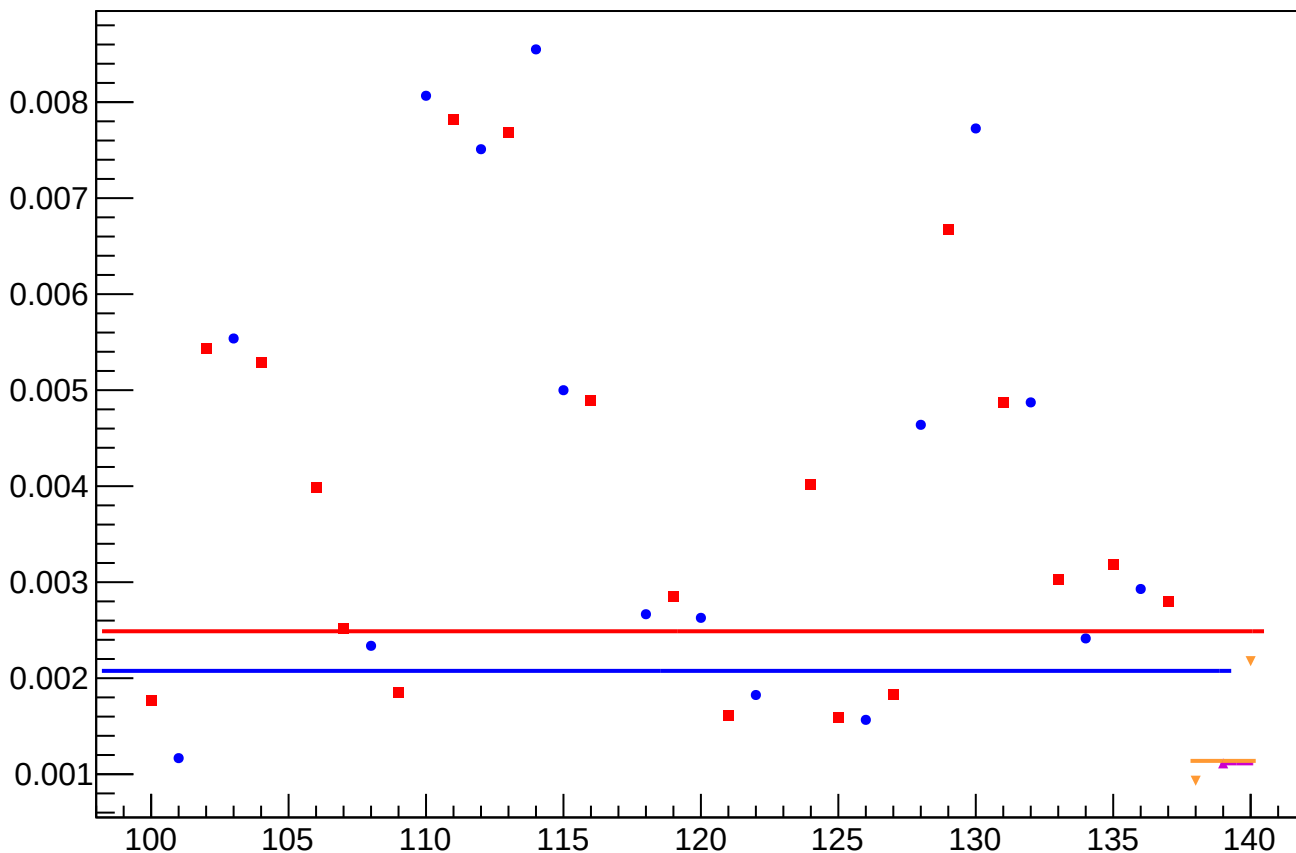
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.2/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/19

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 456802.9/1

Right Out: 0.002+/-0.000 χ^2/NDF : 3092230.7/18

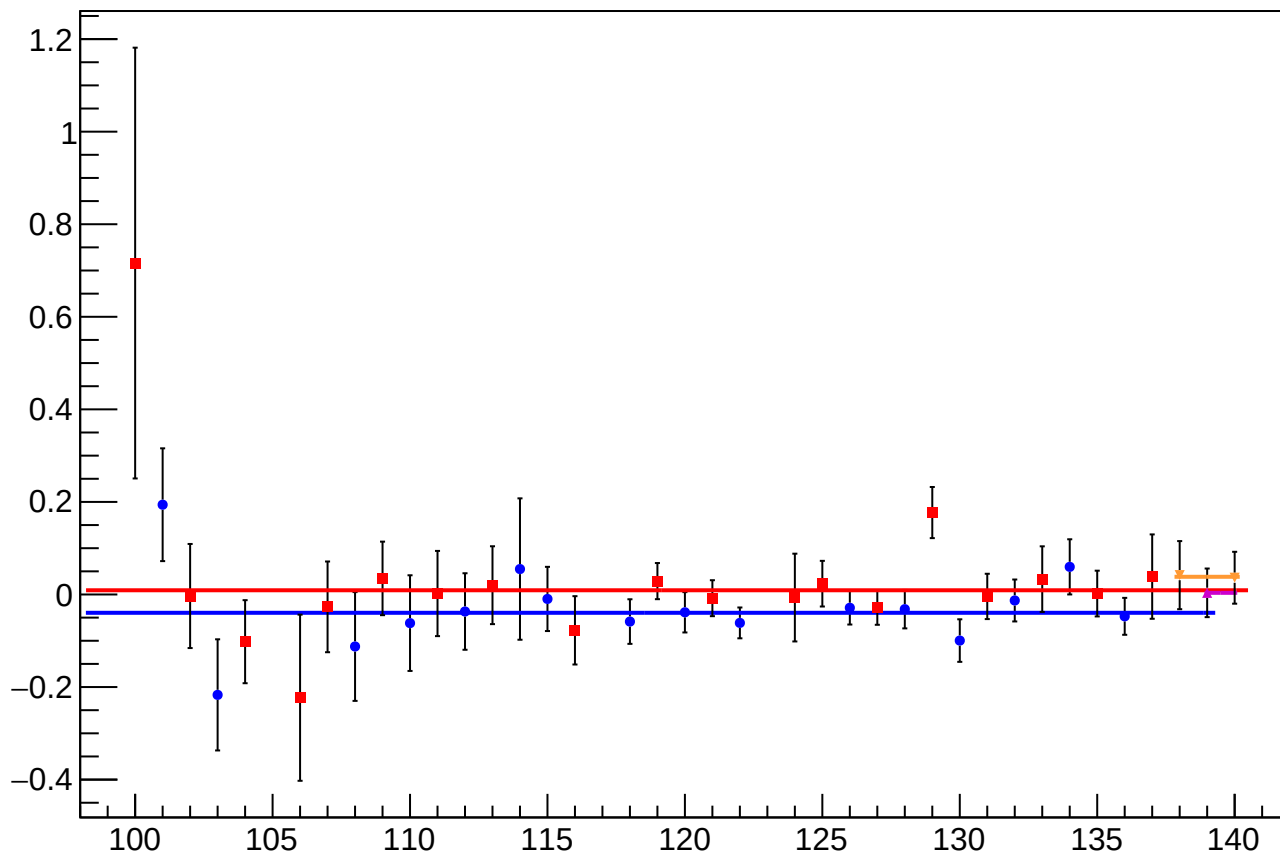
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 5368341.5/17

All: 0.002+/-0.000 χ^2/NDF : 10011536.6/37

- sign 0.002+/-0.000 χ^2/NDF : 4471276.5/19

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 χ^2/NDF : 12.4/15

Left Out: 0.038 ± 0.045 χ^2/NDF : 0.0/1

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

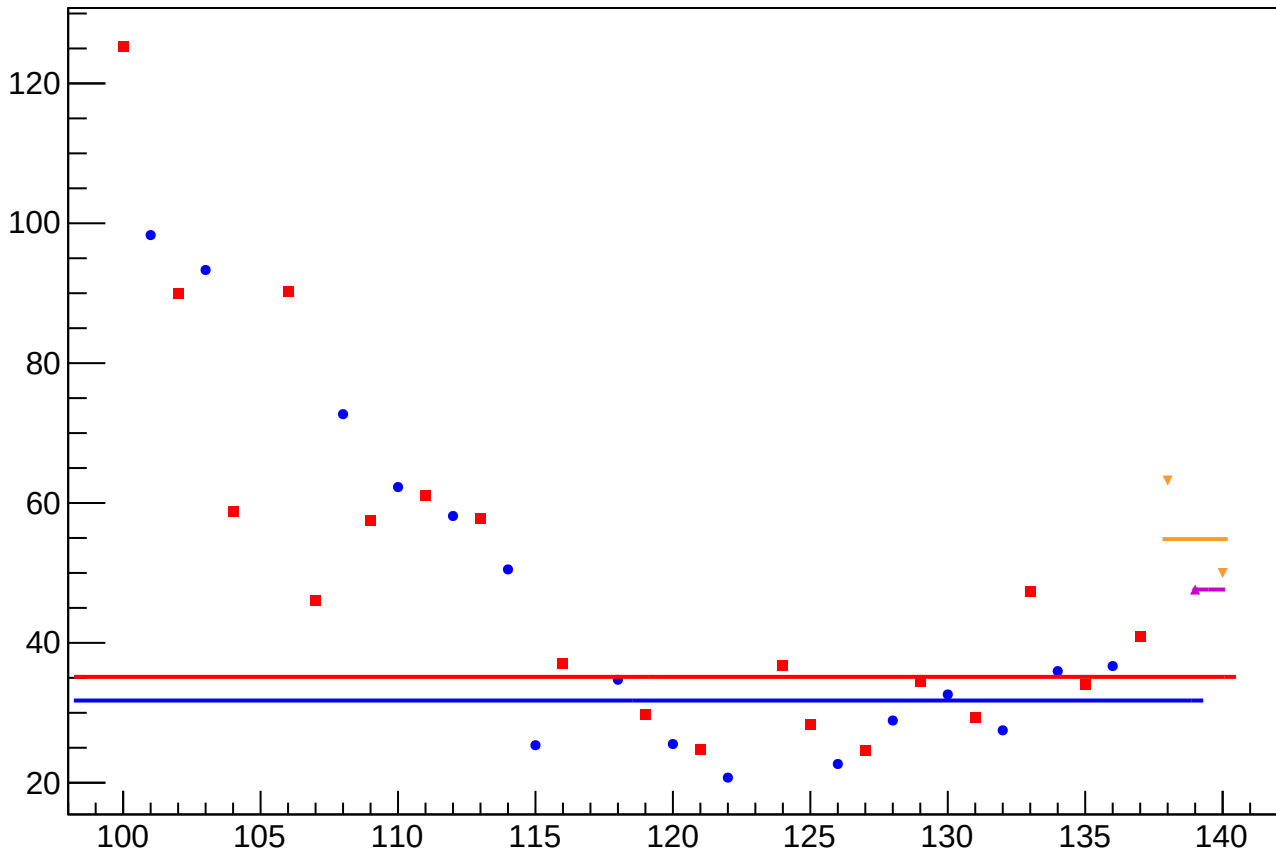
Left In: 0.004 ± 0.053 χ^2/NDF : 0.0/0

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/37

- sign 0.009 ± 0.014 χ^2/NDF : 18.3/19

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.756 $\pm$ 0.009 χ^2 /NDF: 2252373.4/15

Left Out: 54.842 $\pm$ 0.032 χ^2 /NDF: 40885.8/1

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844572.3/18

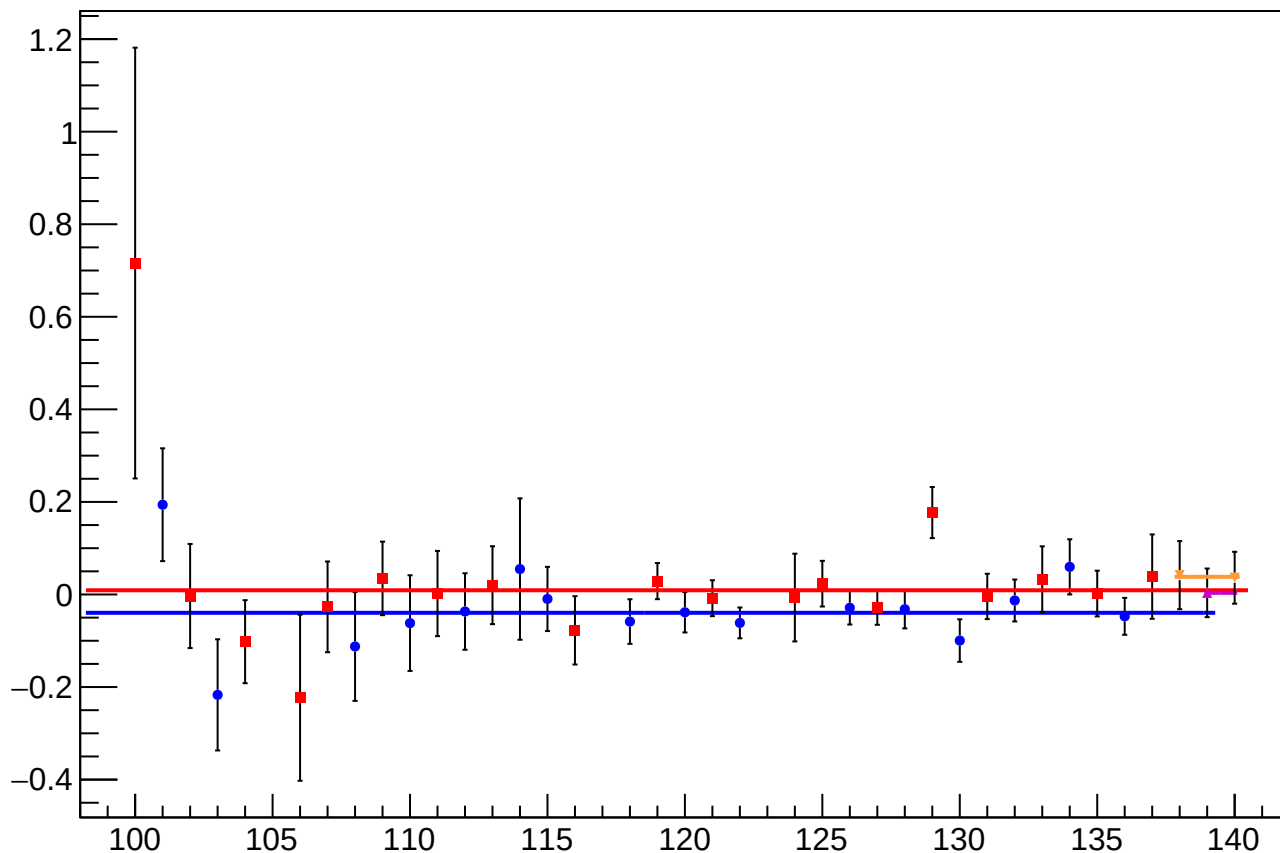
Left In: 47.626 $\pm$ 0.037 χ^2 /NDF: 0.0/0

+ sign 33.606 $\pm$ 0.009 χ^2 /NDF: 2786426.5/17

All: 34.701 $\pm$ 0.007 χ^2 /NDF: 4769118.7/37

- sign 35.987 $\pm$ 0.010 χ^2 /NDF: 1949969.1/19

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 χ^2/NDF : 12.4/15

Left Out: 0.038 ± 0.045 χ^2/NDF : 0.0/1

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

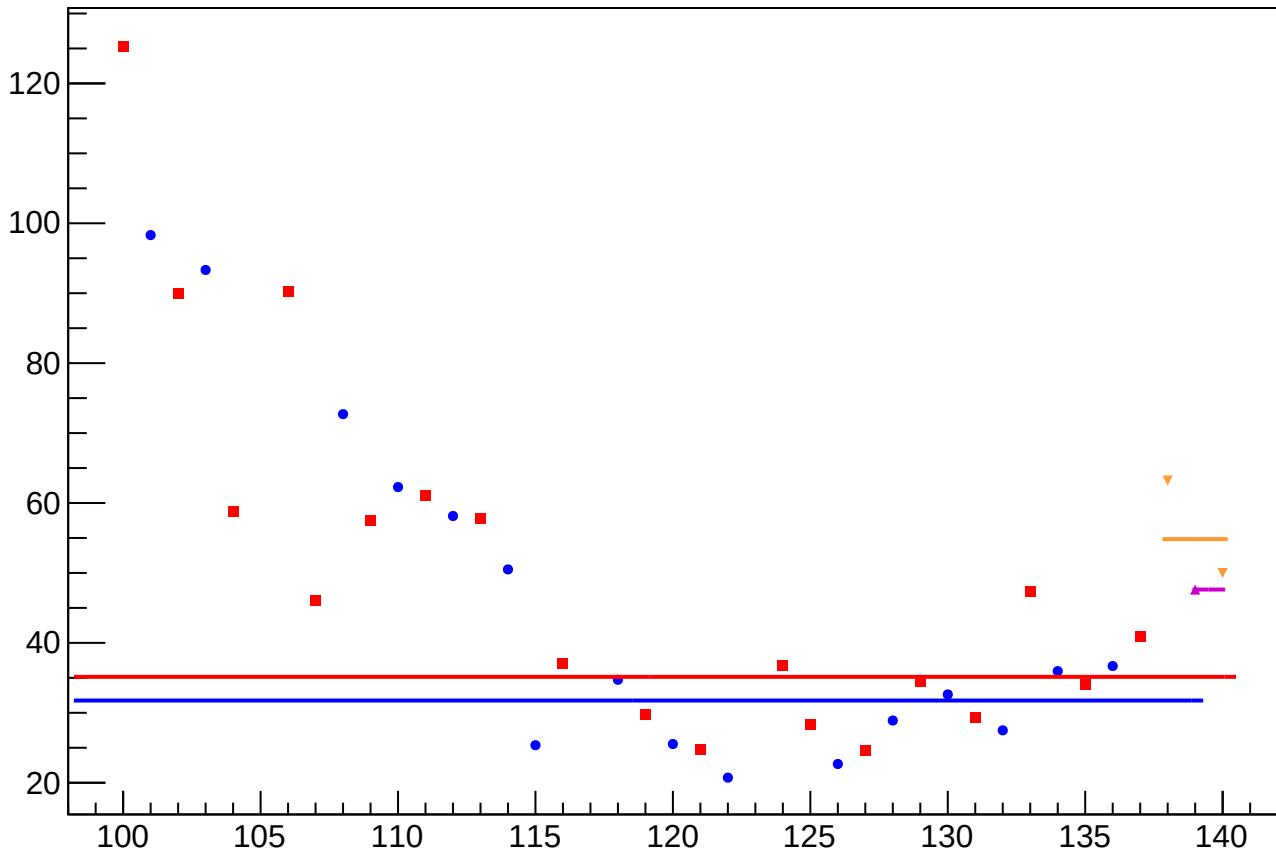
Left In: 0.004 ± 0.053 χ^2/NDF : 0.0/0

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/37

- sign 0.009 ± 0.014 χ^2/NDF : 18.3/19

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.756+/-0.009 χ^2/NDF : 2252373.4/15

Left Out: 54.842+/-0.032 χ^2/NDF : 40885.8/1

Right Out: 35.140+/-0.010 χ^2/NDF : 1844572.3/18

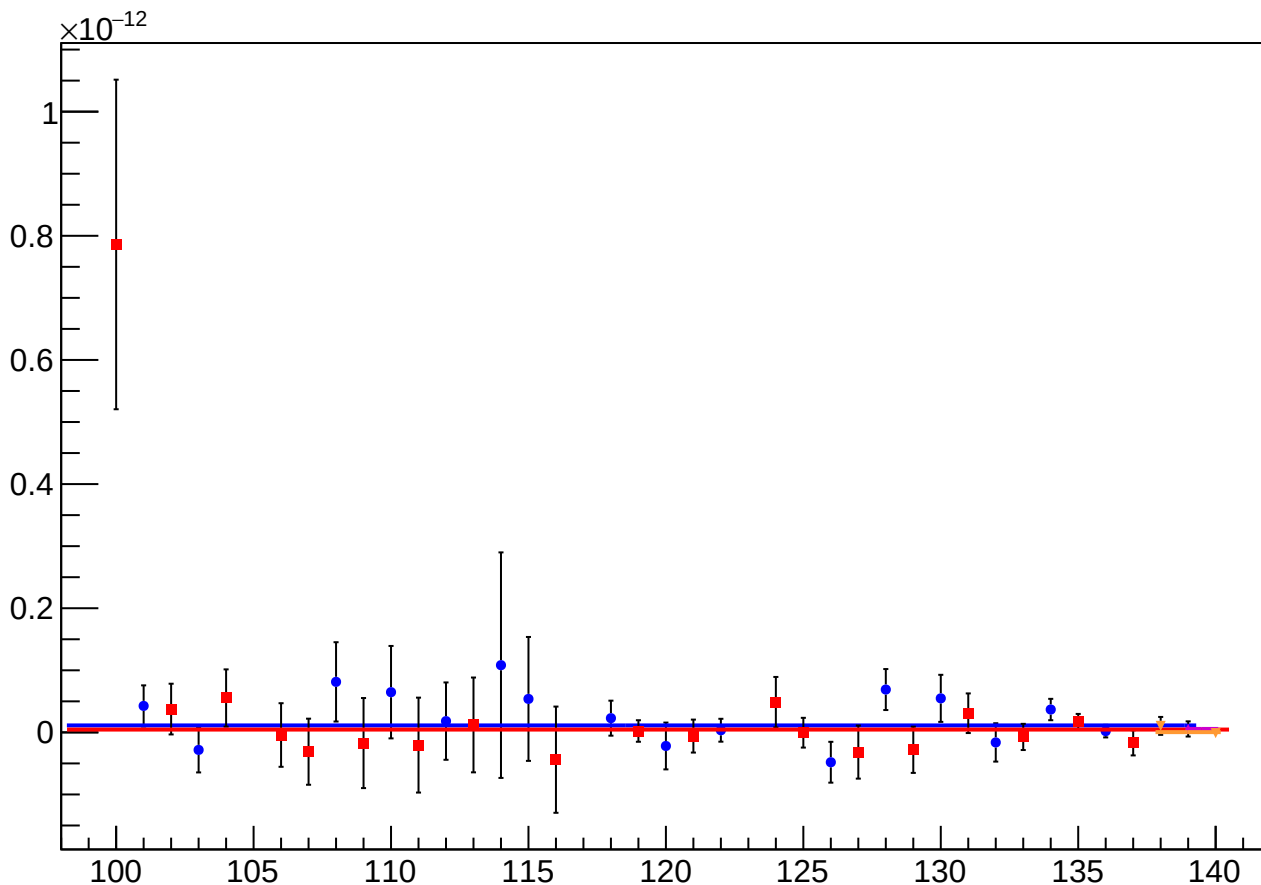
Left In: 47.626+/-0.037 χ^2/NDF : 0.0/0

+ sign 33.606+/-0.009 χ^2/NDF : 2786426.5/17

All: 34.701+/-0.007 χ^2/NDF : 4769118.7/37

- sign 35.987+/-0.010 χ^2/NDF : 1949969.1/19

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/18

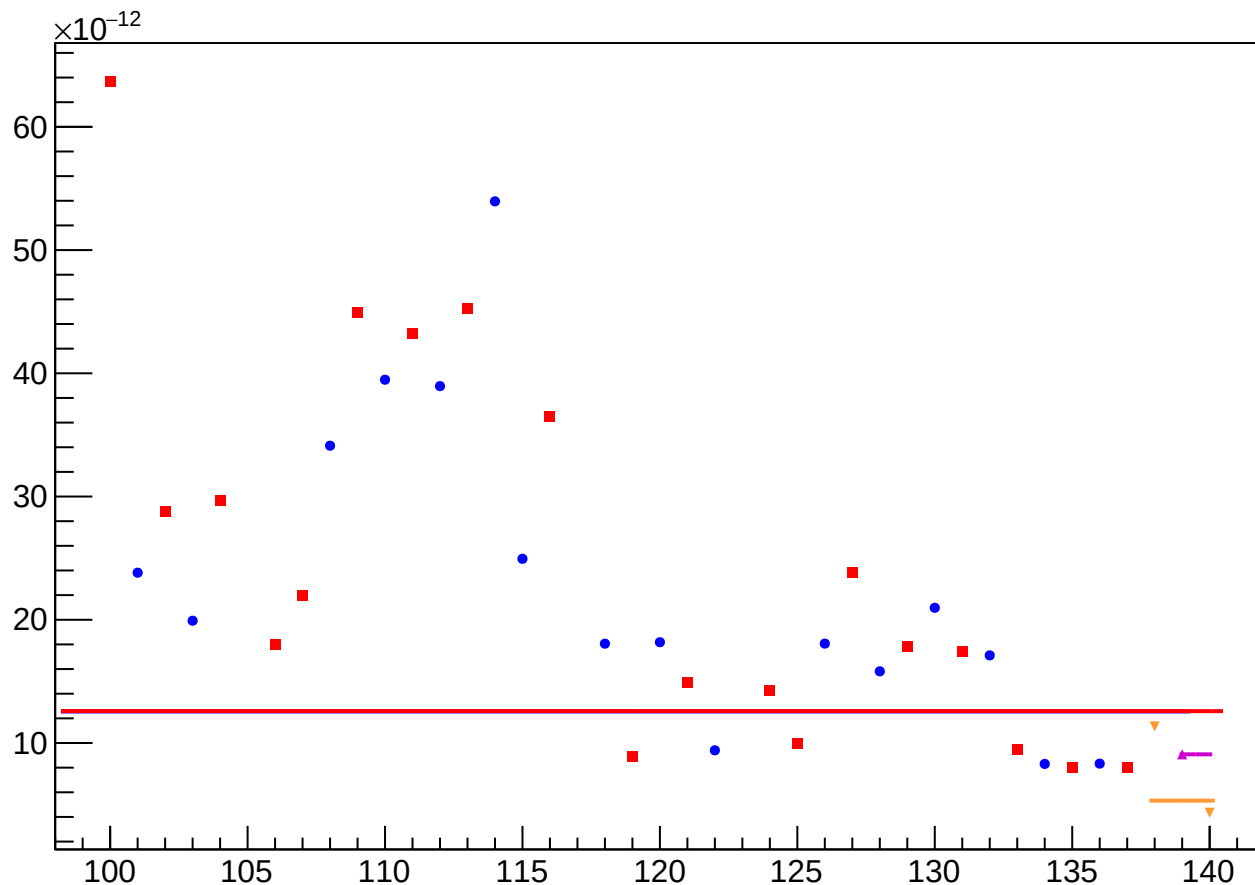
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/19

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 405657.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2747891.7/18

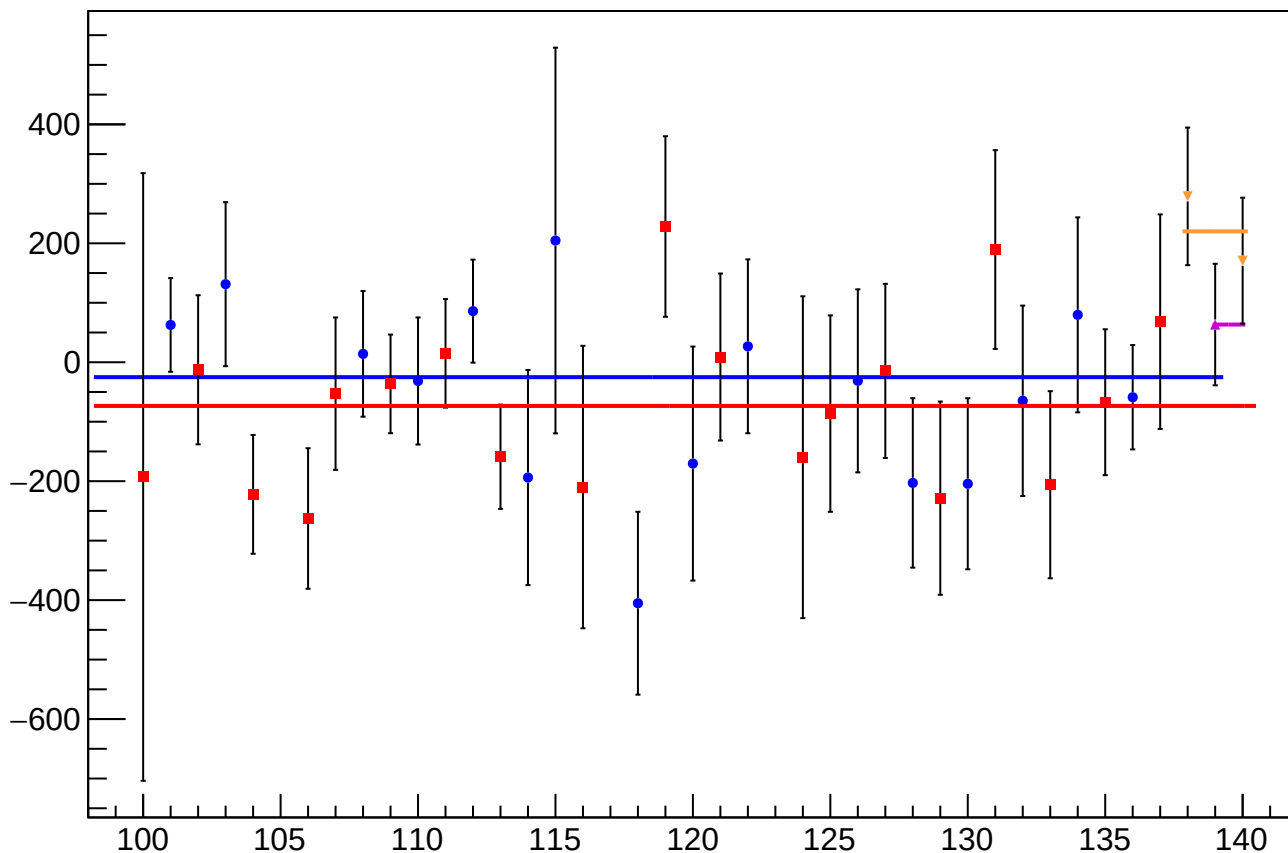
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4052032.0/17

All: 0.000+/-0.000 χ^2/NDF : 7398002.2/37

- sign 0.000+/-0.000 χ^2/NDF : 2874734.8/19

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 220.103 ± 78.116 χ^2/NDF : 0.5/1

Right Out: -73.458 ± 29.935 χ^2/NDF : 16.8/18

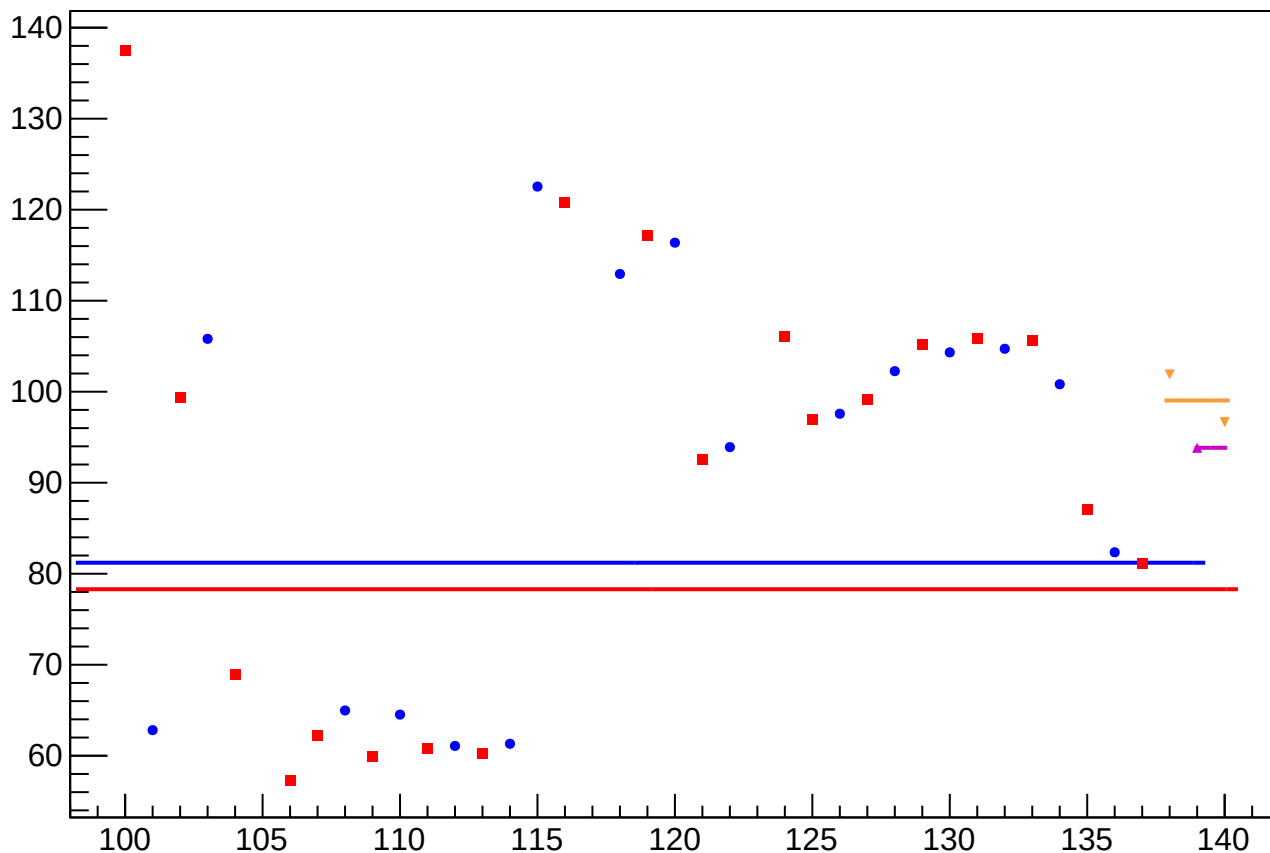
Left In: 63.381 ± 102.184 χ^2/NDF : 0.0/0

+ sign 8.714 ± 28.998 χ^2/NDF : 25.2/17

All: -27.299 ± 20.408 χ^2/NDF : 46.7/37

- sign -62.642 ± 28.727 χ^2/NDF : 18.4/19

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787676.9/15

Left Out: 99.040 $\pm$ 0.055 χ^2 /NDF:2227.1/1

Right Out: 78.298 $\pm$ 0.021 χ^2 /NDF: 934673.9/18

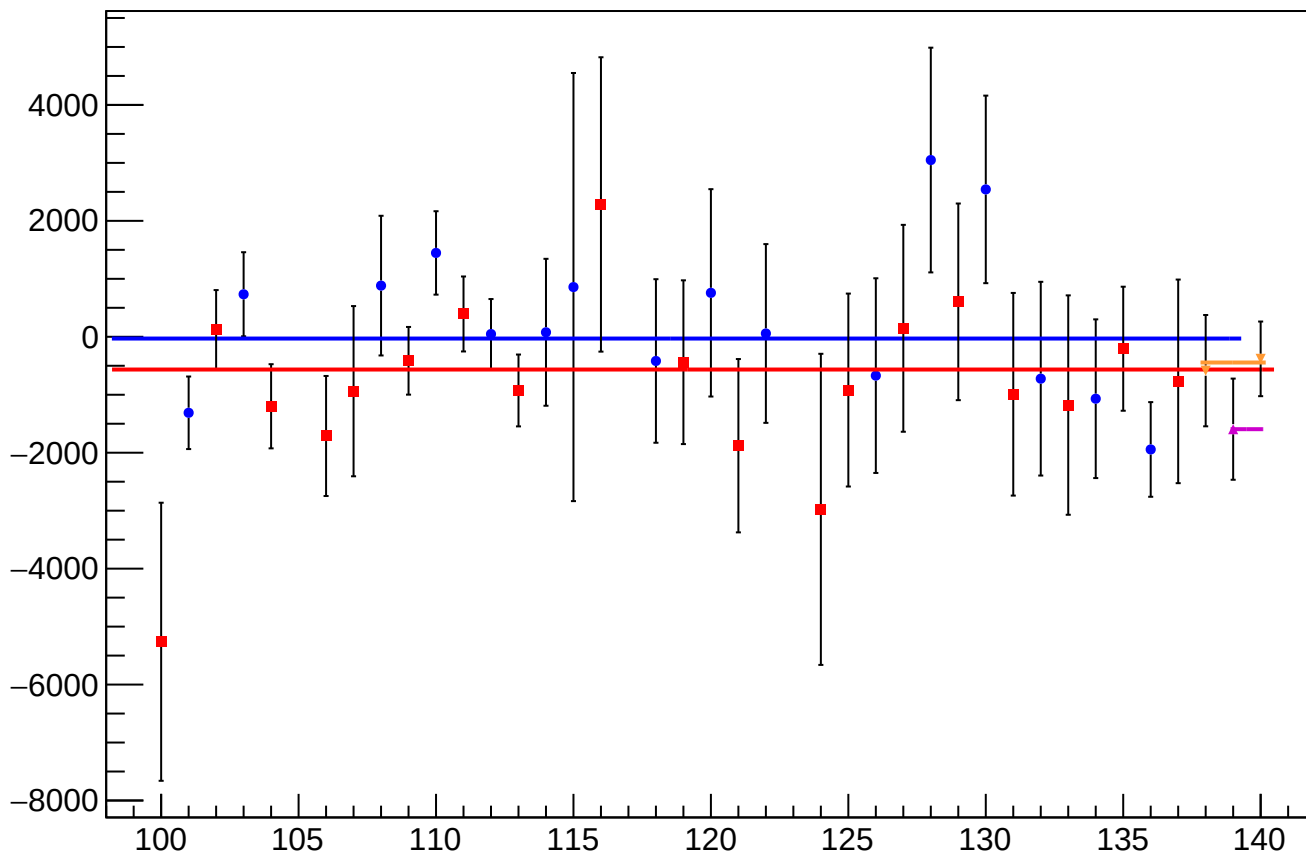
Left In: 93.840 $\pm$ 0.072 χ^2 /NDF:0.0/0

+ sign 83.667 $\pm$ 0.021 χ^2 /NDF: 879740.9/17

All: 81.577 $\pm$ 0.014 χ^2 /NDF: 1877600.8/37

- sign 79.526 $\pm$ 0.020 χ^2 /NDF: 977282.9/19

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407 ± 256.999 χ^2/NDF : 21.9/15

Left Out: -443.938 ± 534.750 χ^2/NDF : 0.0/1

Right Out: -564.890 ± 238.492 χ^2/NDF : 13.3/18

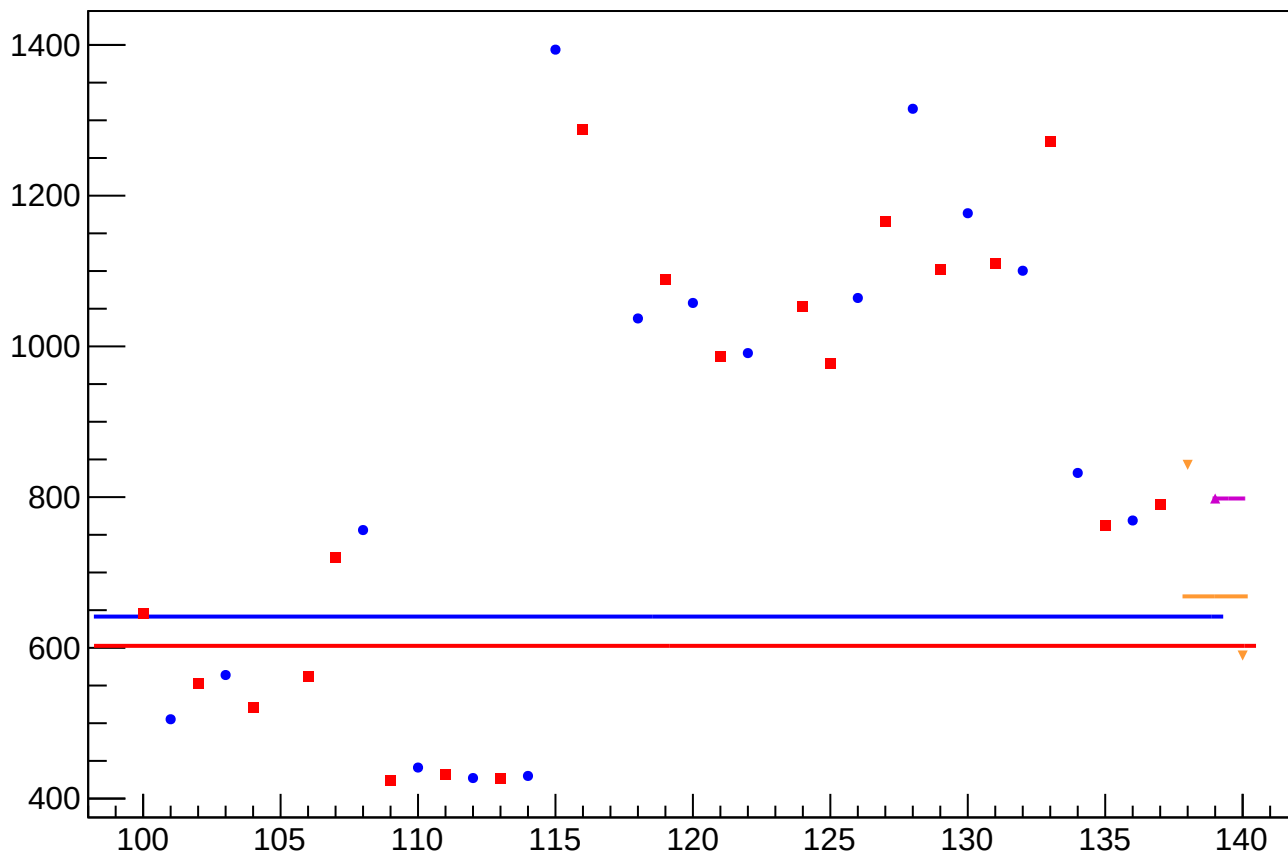
Left In: -1593.991 ± 872.648 χ^2/NDF : 0.0/0

+ sign -107.999 ± 231.637 χ^2/NDF : 22.4/17

All: -374.016 ± 163.230 χ^2/NDF : 39.6/37

- sign -636.413 ± 230.055 χ^2/NDF : 14.6/19

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF : 1874990.8/15

Left Out: 668.291+/-0.378 χ^2/NDF : 95815.4/1

Right Out: 602.654+/-0.169 χ^2/NDF : 2070307.7/18

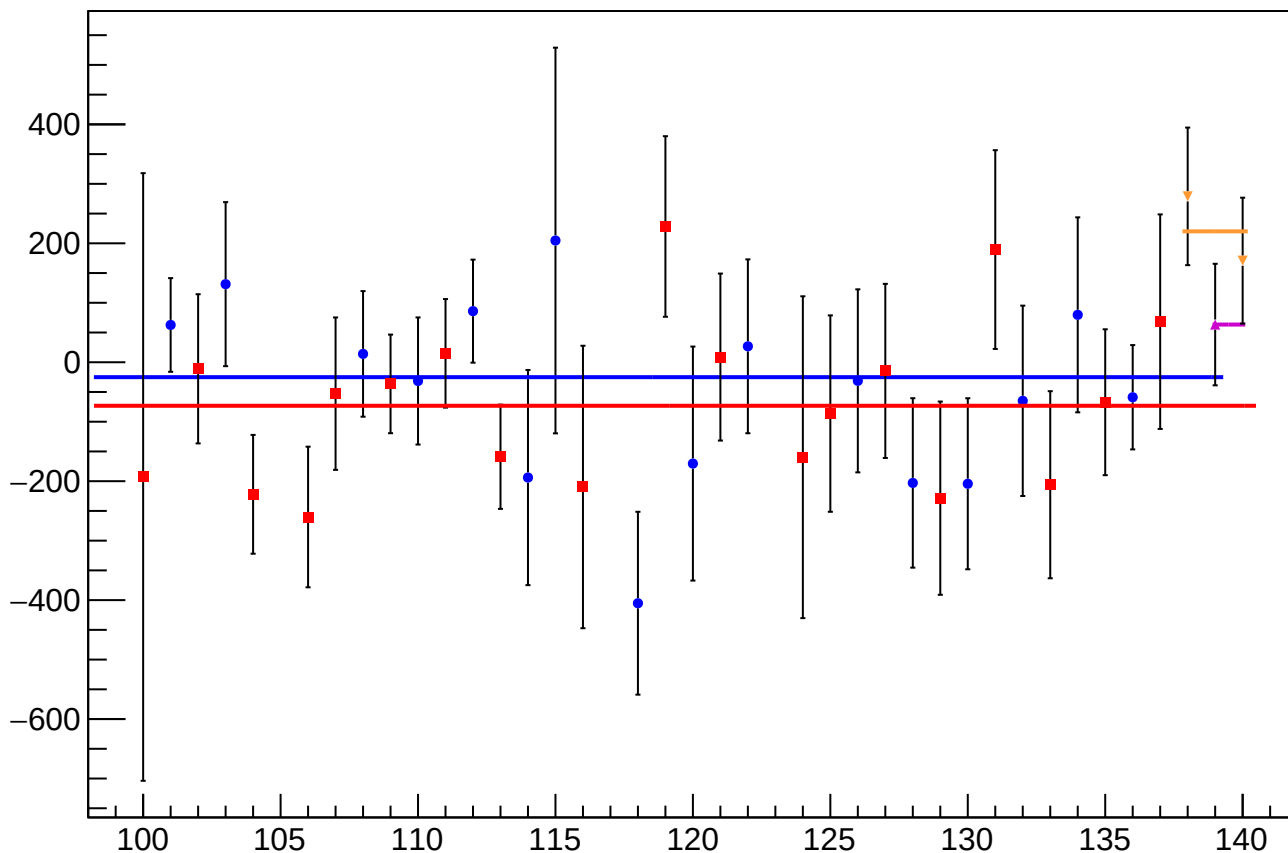
Left In: 798.180+/-0.617 χ^2/NDF : 0.0/0

+ sign 646.526+/-0.164 χ^2/NDF : 1974884.7/17

All: 631.280+/-0.115 χ^2/NDF : 4155829.4/37

- sign 616.243+/-0.163 χ^2/NDF : 2163736.0/19

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 220.116 ± 78.116 χ^2/NDF : 0.5/1

Right Out: -73.193 ± 29.937 χ^2/NDF : 16.7/18

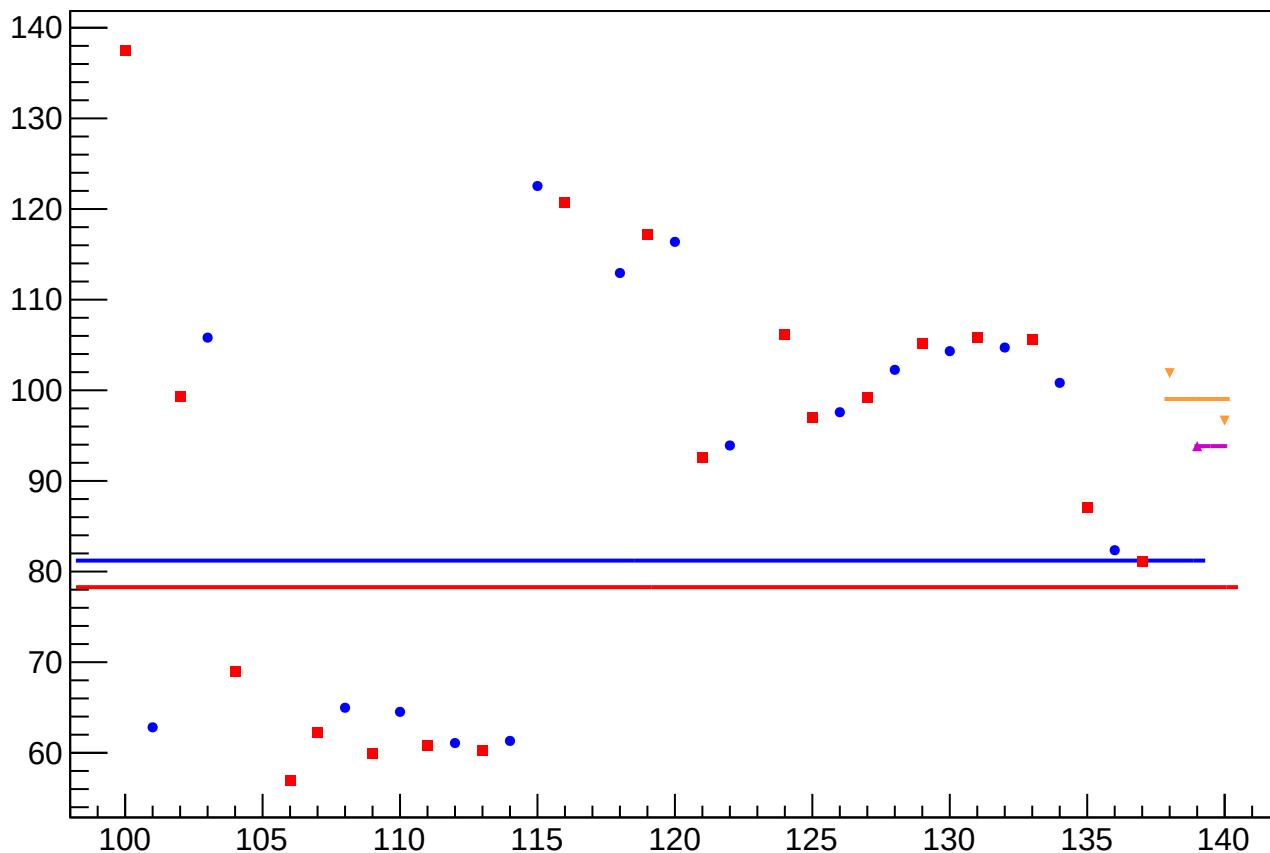
Left In: 63.379 ± 102.184 χ^2/NDF : 0.0/0

+ sign 8.713 ± 28.998 χ^2/NDF : 25.2/17

All: -27.174 ± 20.409 χ^2/NDF : 46.6/37

- sign -62.397 ± 28.729 χ^2/NDF : 18.4/19

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787679.3/15

Left Out: 99.040 $\pm$ 0.055 χ^2 /NDF: 2227.1/1

Right Out: 78.279 $\pm$ 0.021 χ^2 /NDF: 936812.2/18

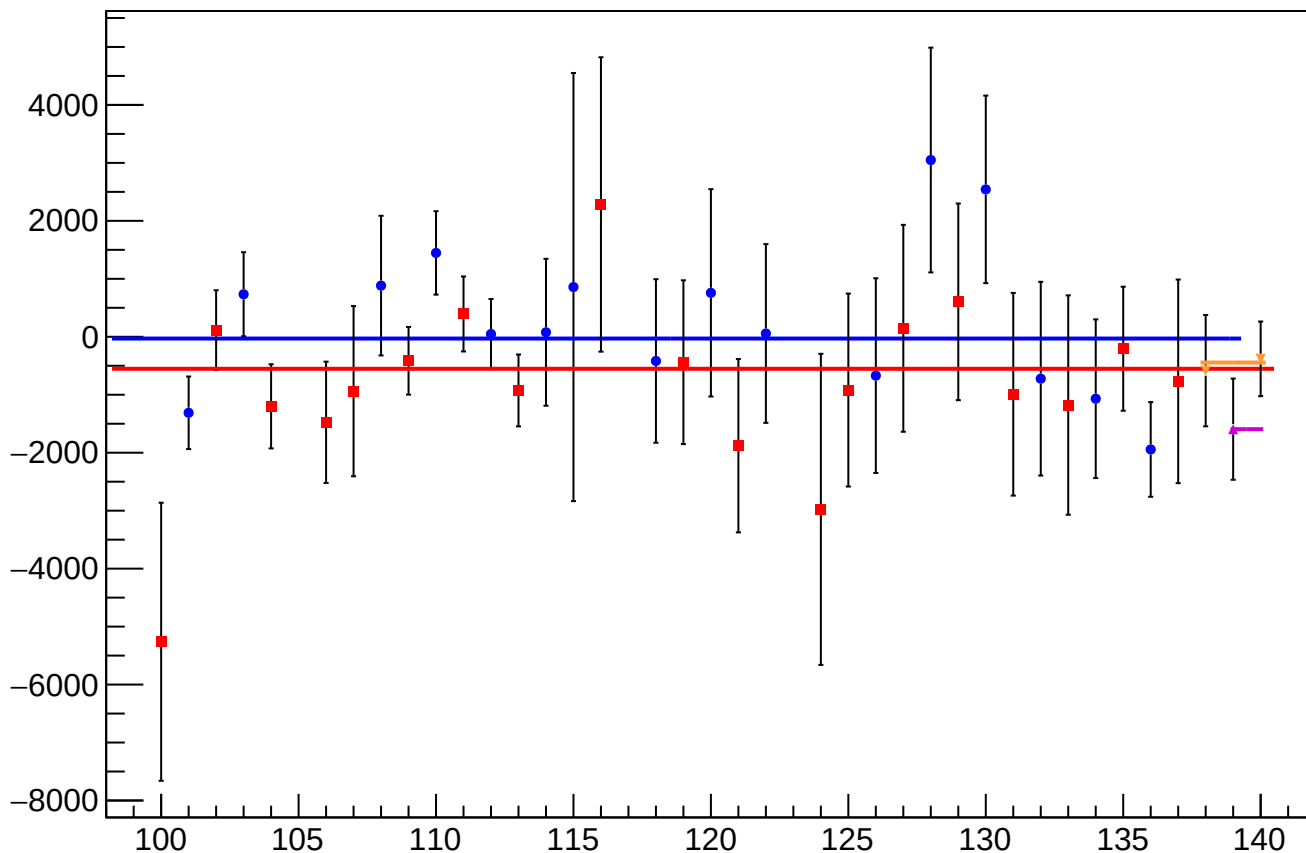
Left In: 93.840 $\pm$ 0.072 χ^2 /NDF: 0.0/0

+ sign 83.667 $\pm$ 0.021 χ^2 /NDF: 879743.1/17

All: 81.569 $\pm$ 0.014 χ^2 /NDF: 1880011.8/37

- sign 79.509 $\pm$ 0.020 χ^2 /NDF: 979523.0/19

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434 ± 257.002 χ^2/NDF : 21.9/15

Left Out: -443.927 ± 534.750 χ^2/NDF : 0.0/1

Right Out: -551.948 ± 238.640 χ^2/NDF : 12.8/18

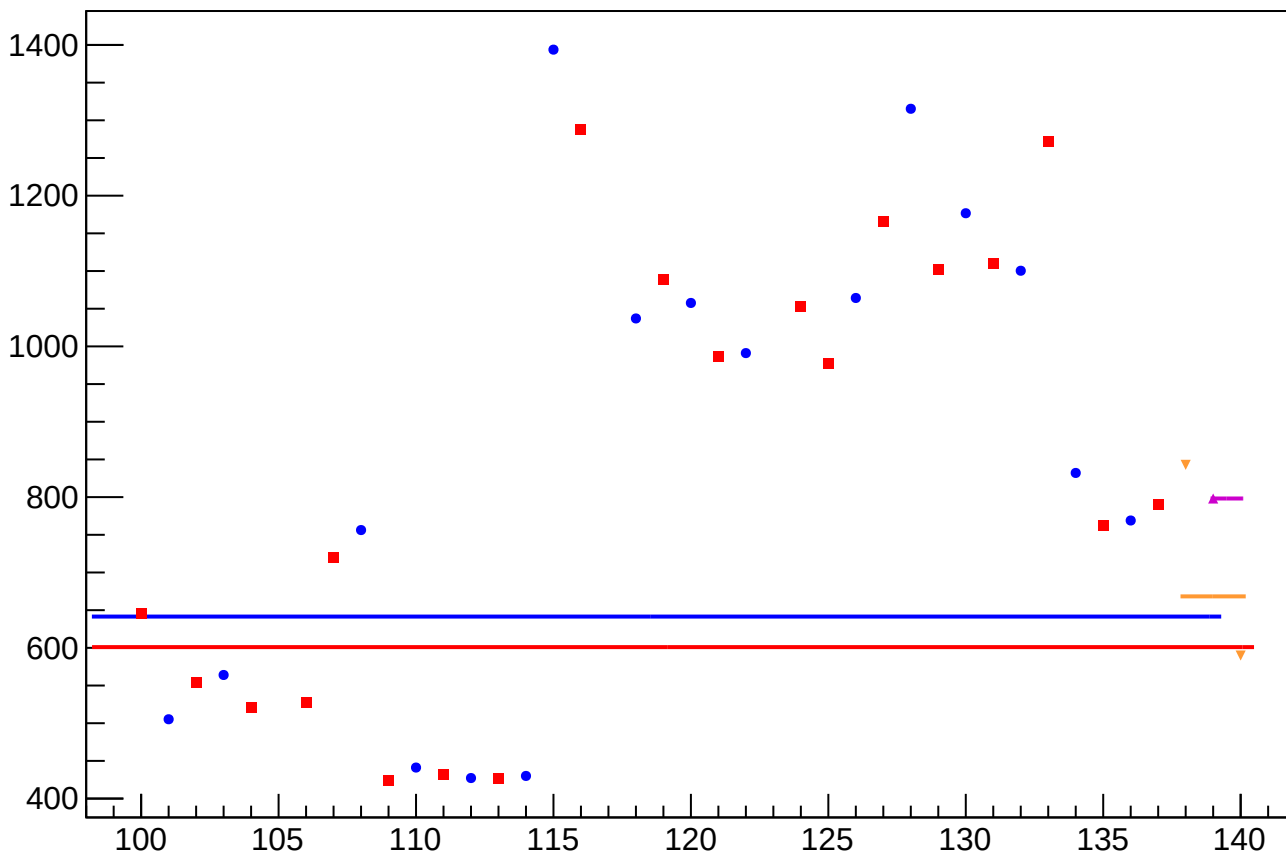
Left In: -1593.994 ± 872.647 χ^2/NDF : 0.0/0

+ sign -108.021 ± 231.639 χ^2/NDF : 22.4/17

All: -367.860 ± 163.278 χ^2/NDF : 39.0/37

- sign -624.454 ± 230.188 χ^2/NDF : 14.1/19

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507 $\pm$ 0.182 χ^2 /NDF: 1874950.0/15

Left Out: 668.291 $\pm$ 0.378 χ^2 /NDF: 95815.5/1

Right Out: 600.975 $\pm$ 0.169 χ^2 /NDF: 2077232.5/18

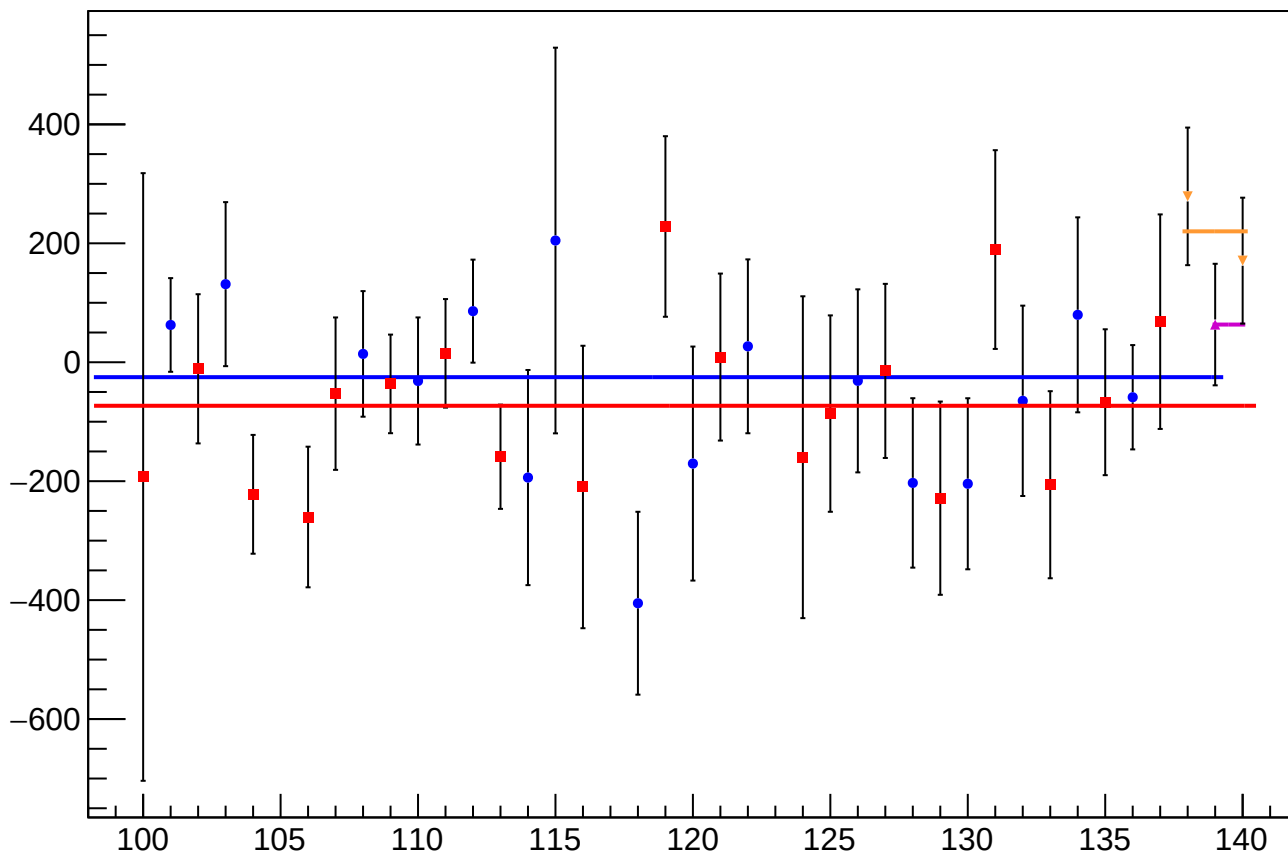
Left In: 798.179 $\pm$ 0.617 χ^2 /NDF: 0.0/0

+ sign 646.533 $\pm$ 0.164 χ^2 /NDF: 1974841.2/17

All: 630.515 $\pm$ 0.115 χ^2 /NDF: 4166111.8/37

- sign 614.697 $\pm$ 0.163 χ^2 /NDF: 2172262.6/19

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 220.116 ± 78.116 χ^2/NDF : 0.5/1

Right Out: -73.193 ± 29.937 χ^2/NDF : 16.7/18

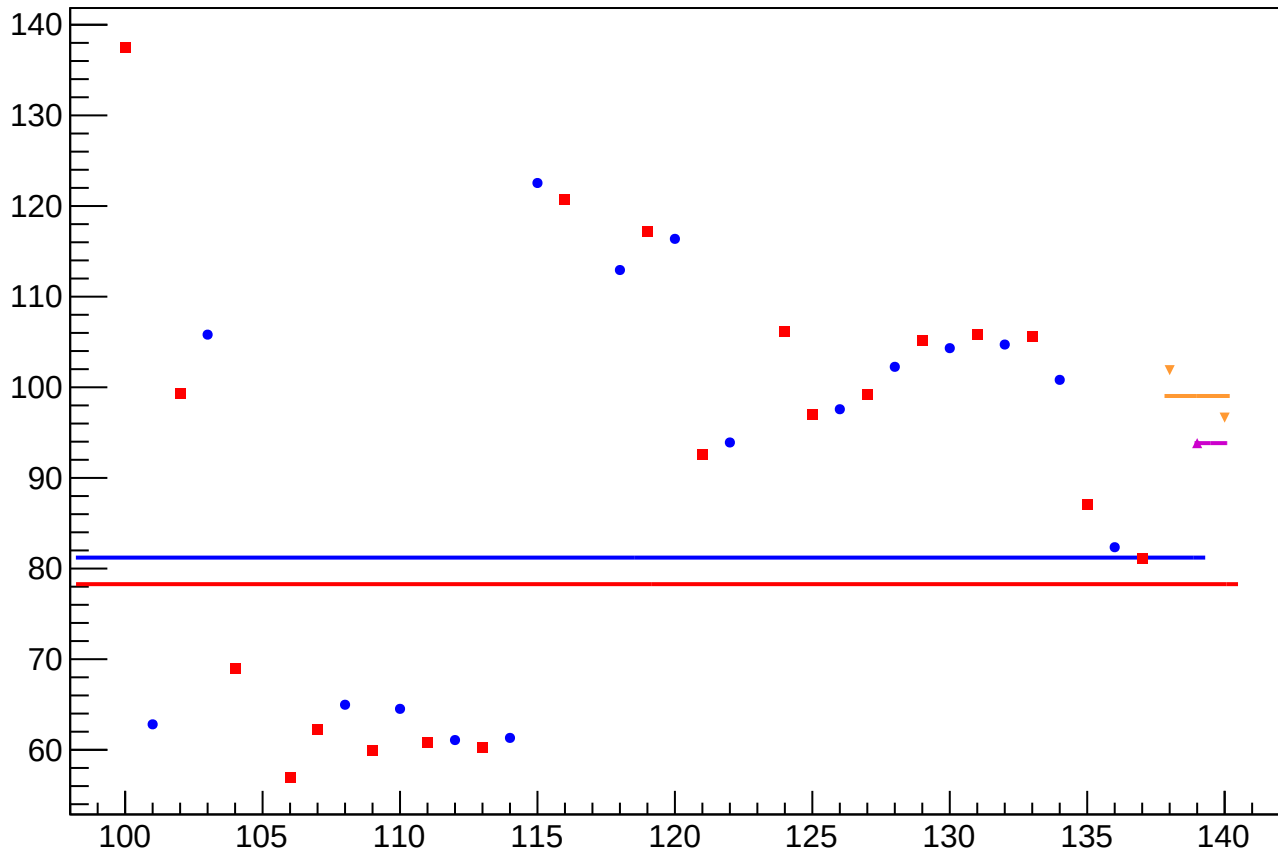
Left In: 63.379 ± 102.184 χ^2/NDF : 0.0/0

+ sign 8.713 ± 28.998 χ^2/NDF : 25.2/17

All: -27.174 ± 20.409 χ^2/NDF : 46.6/37

- sign -62.397 ± 28.729 χ^2/NDF : 18.4/19

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787679.3/15

Left Out: 99.040 $\pm$ 0.055 χ^2 /NDF: 2227.1/1

Right Out: 78.279 $\pm$ 0.021 χ^2 /NDF: 936812.2/18

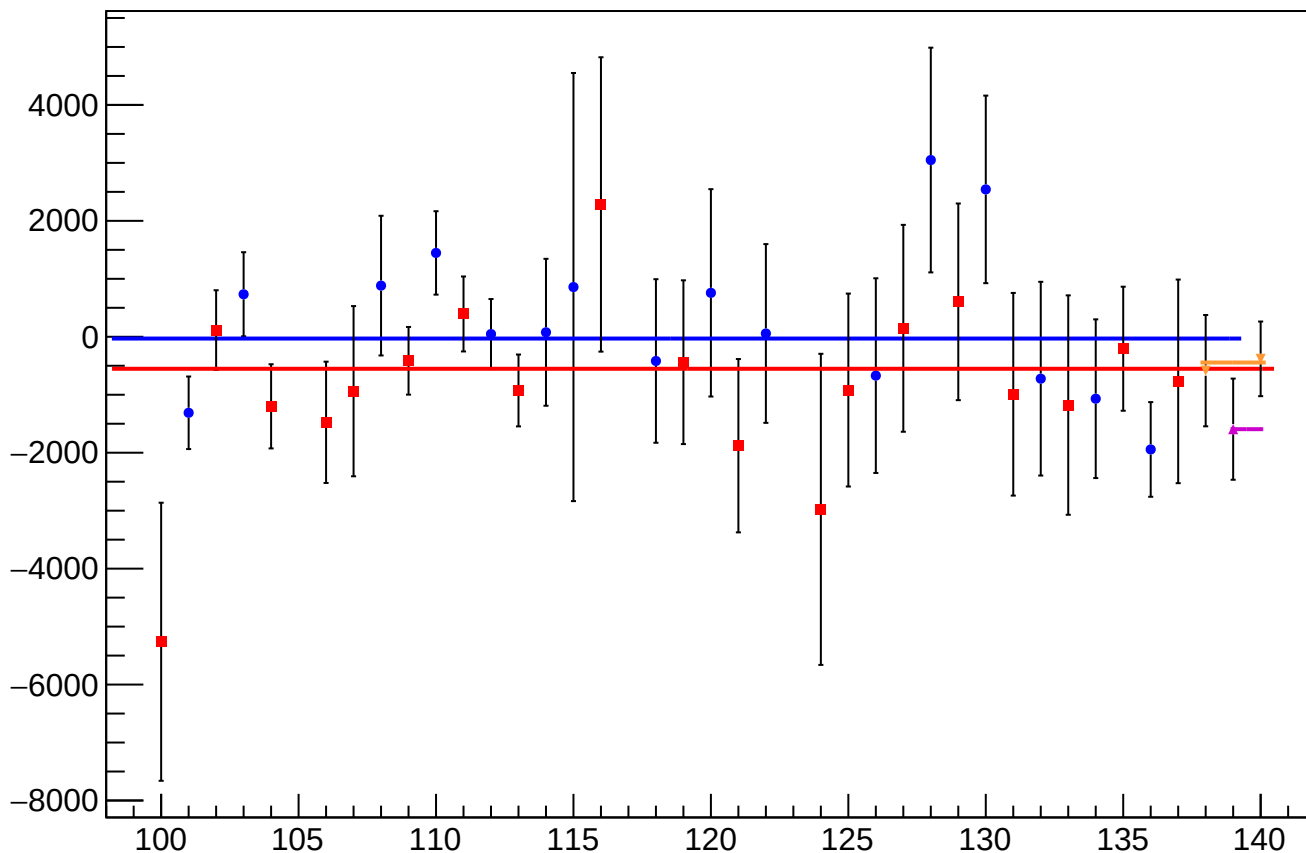
Left In: 93.840 $\pm$ 0.072 χ^2 /NDF: 0.0/0

+ sign 83.667 $\pm$ 0.021 χ^2 /NDF: 879743.1/17

All: 81.569 $\pm$ 0.014 χ^2 /NDF: 1880011.8/37

- sign 79.509 $\pm$ 0.020 χ^2 /NDF: 979523.0/19

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -30.434 ± 257.002 χ^2/NDF : 21.9/15

Left Out: -443.927 ± 534.750 χ^2/NDF : 0.0/1

Right Out: -551.948 ± 238.640 χ^2/NDF : 12.8/18

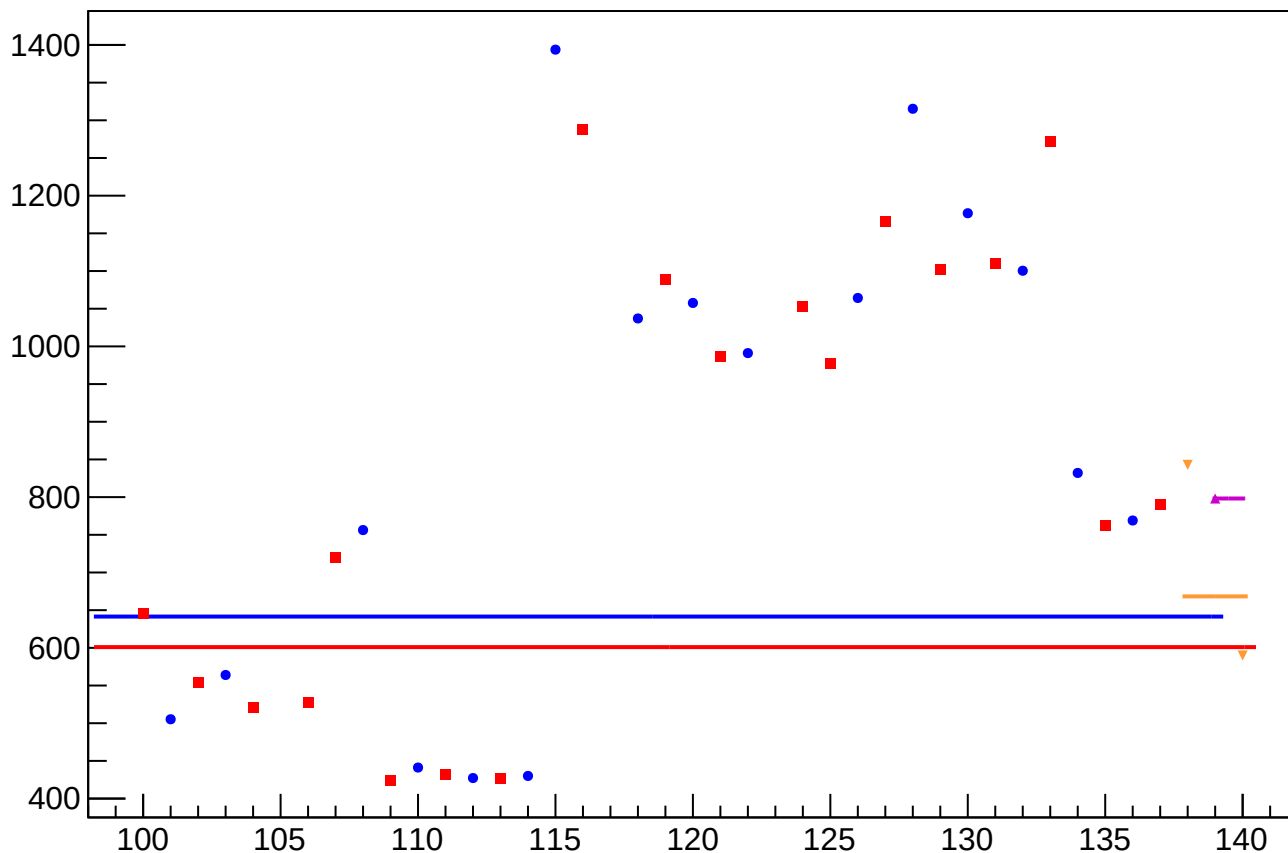
Left In: -1593.994 ± 872.647 χ^2/NDF : 0.0/0

+ sign -108.021 ± 231.639 χ^2/NDF : 22.4/17

All: -367.860 ± 163.278 χ^2/NDF : 39.0/37

- sign -624.454 ± 230.188 χ^2/NDF : 14.1/19

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF : 1874950.0/15

Left Out: 668.291+/-0.378 χ^2/NDF : 95815.5/1

Right Out: 600.975+/-0.169 χ^2/NDF : 2077232.5/18

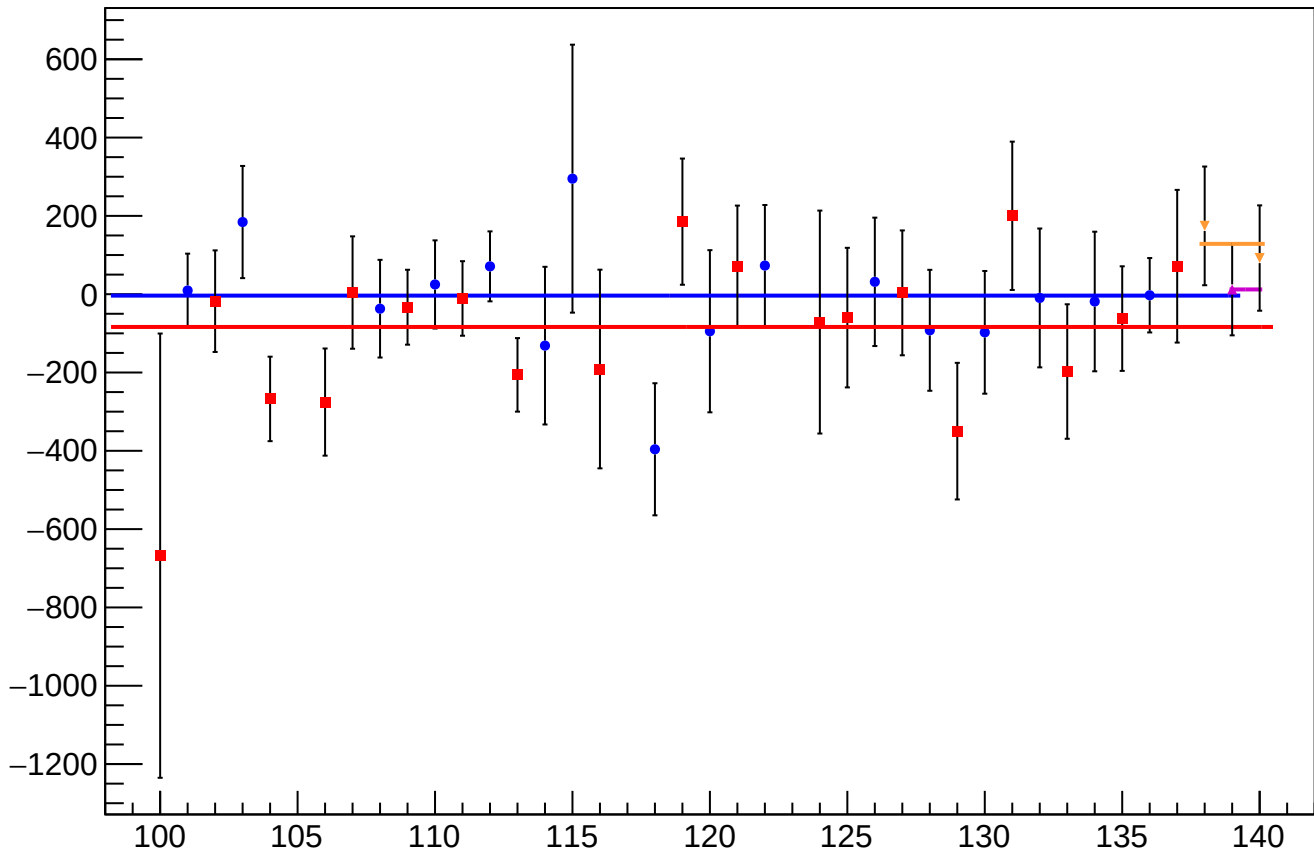
Left In: 798.179+/-0.617 χ^2/NDF : 0.0/0

+ sign 646.533+/-0.164 χ^2/NDF : 1974841.2/17

All: 630.515+/-0.115 χ^2/NDF : 4166111.8/37

- sign 614.697+/-0.163 χ^2/NDF : 2172262.6/19

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635 ± 34.152 χ^2/NDF : 10.3/15

Left Out: 128.508 ± 100.611 χ^2/NDF : 0.2/1

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

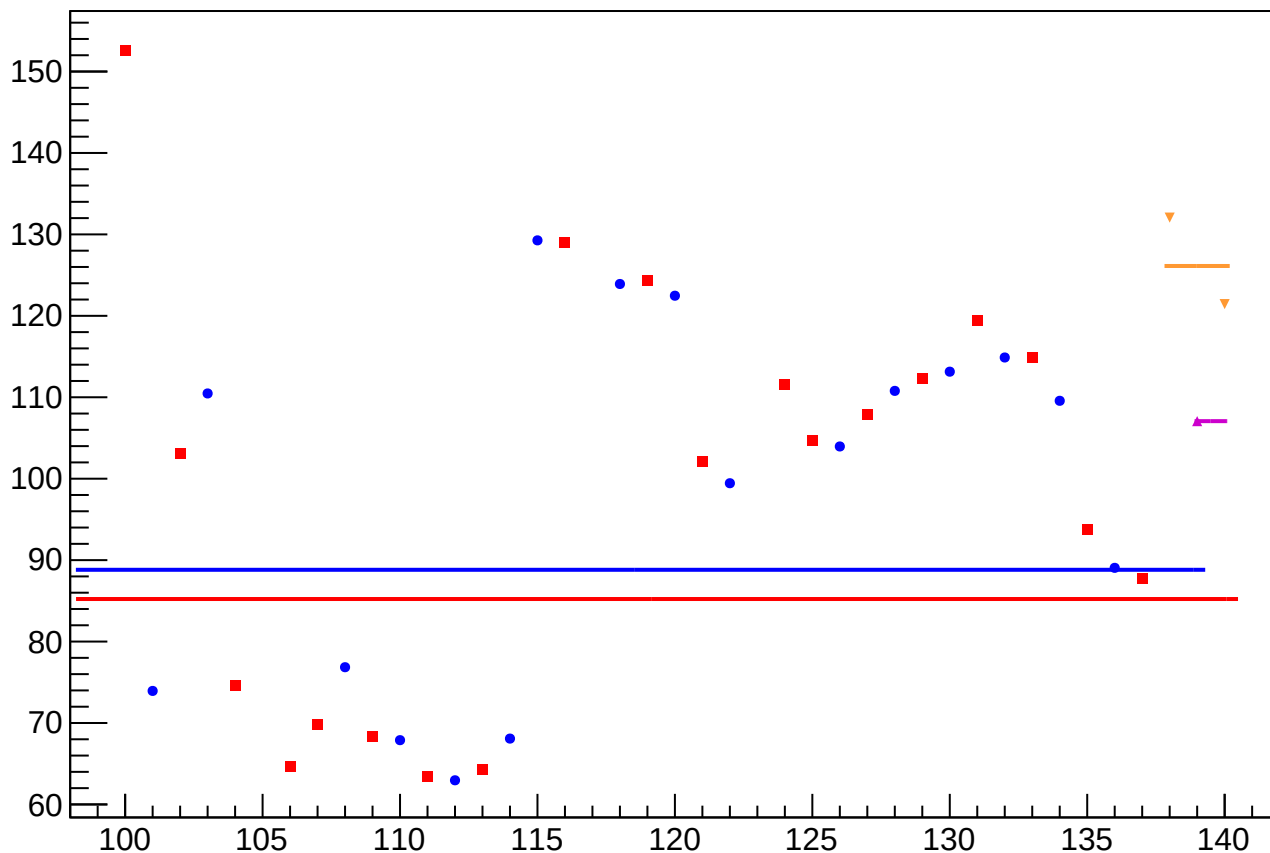
Left In: 12.134 ± 117.244 χ^2/NDF : 0.0/0

+ sign 10.018 ± 32.340 χ^2/NDF : 12.0/17

All: -34.613 ± 22.542 χ^2/NDF : 35.4/37

- sign -76.788 ± 31.438 χ^2/NDF : 19.7/19

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF : 724609.8/15

Left Out: 126.121+/-0.071 χ^2/NDF : 5493.6/1

Right Out: 85.225+/-0.023 χ^2/NDF : 884071.4/18

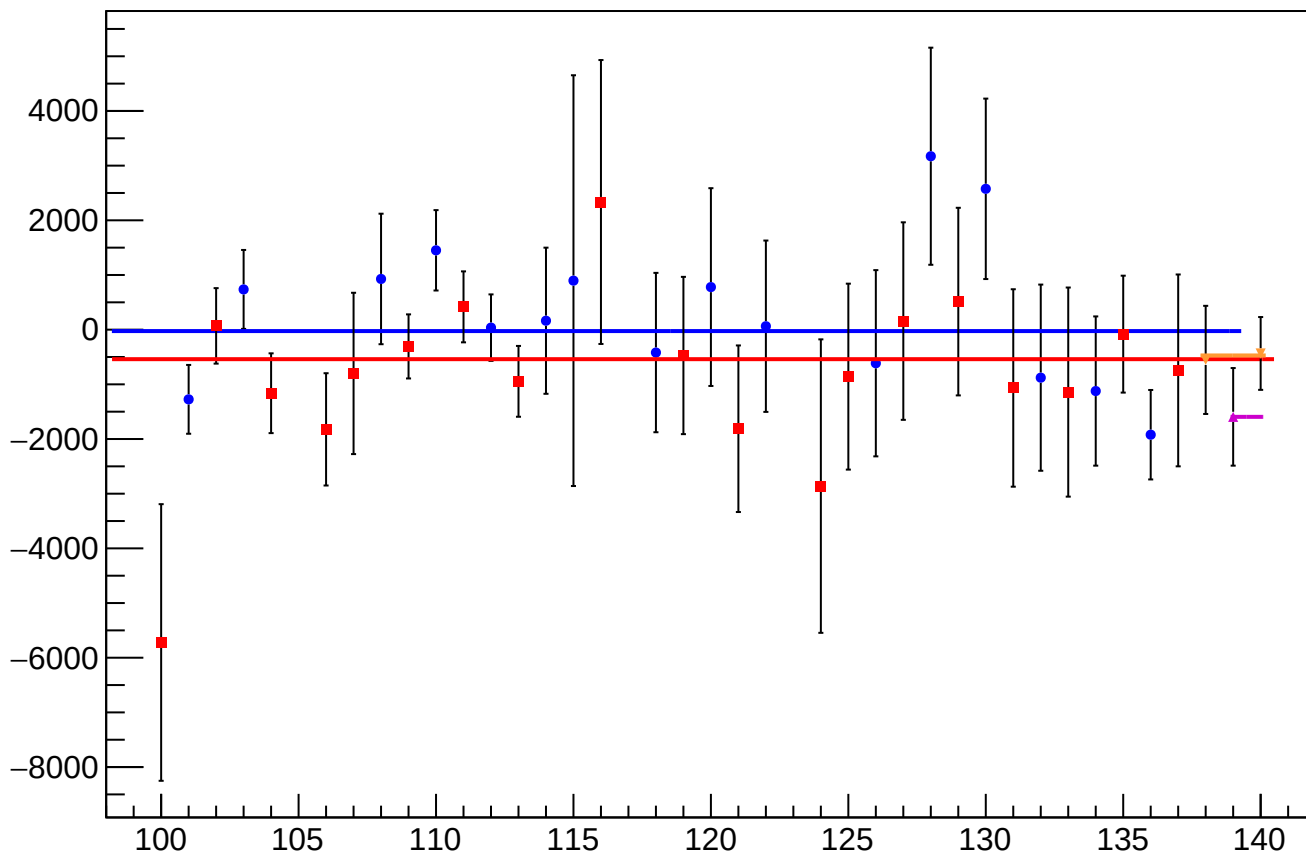
Left In: 107.068+/-0.083 χ^2/NDF : 0.0/0

+ sign 92.668+/-0.023 χ^2/NDF : 976684.8/17

All: 89.648+/-0.016 χ^2/NDF : 1959093.2/37

- sign 86.795+/-0.022 χ^2/NDF : 948498.1/19

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770 ± 259.401 χ^2/NDF : 21.6/15

Left Out: -471.819 ± 552.330 χ^2/NDF : 0.0/1

Right Out: -539.635 ± 241.238 χ^2/NDF : 13.6/18

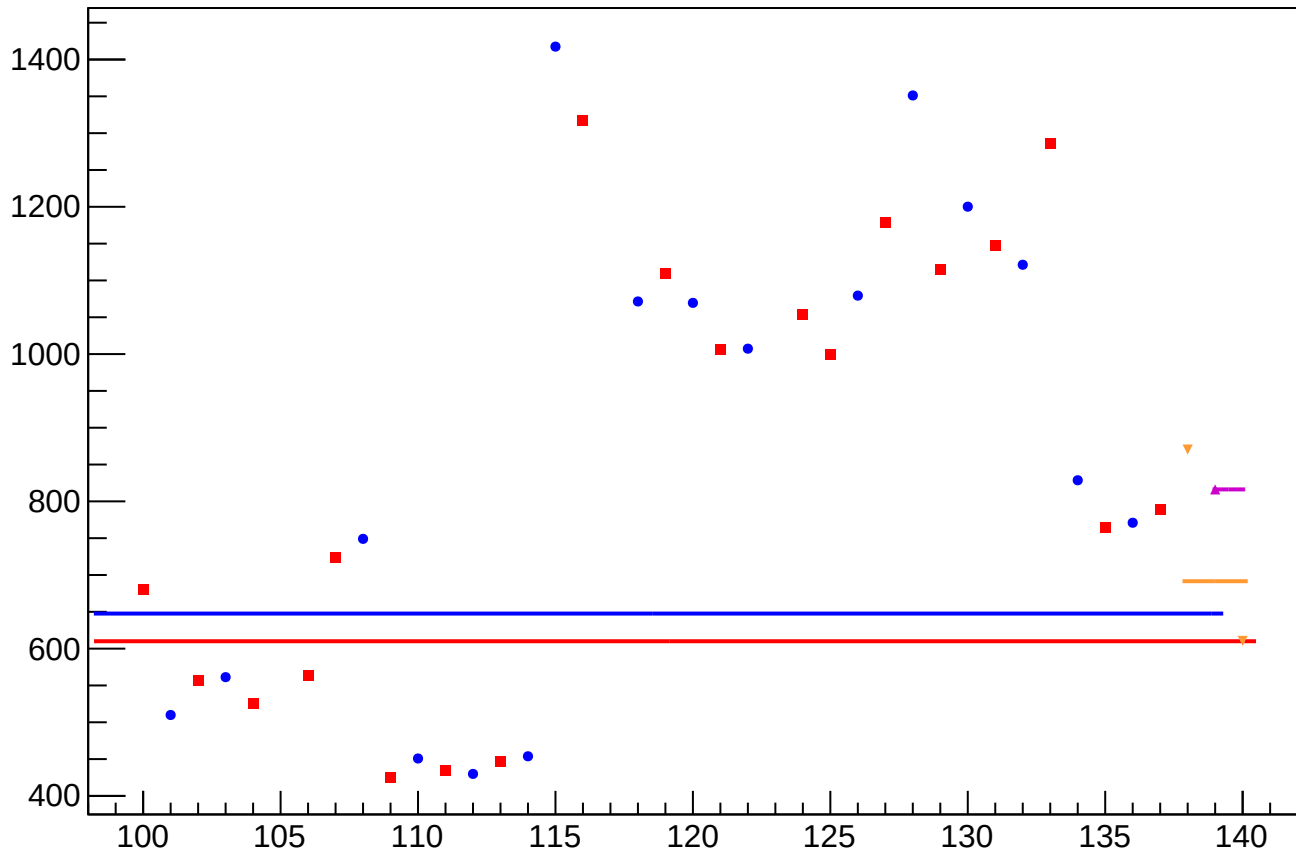
Left In: -1594.552 ± 892.600 χ^2/NDF : 0.0/0

+ sign -106.376 ± 234.796 χ^2/NDF : 22.1/17

All: -360.976 ± 165.345 χ^2/NDF : 39.4/37

- sign -611.445 ± 232.883 χ^2/NDF : 14.9/19

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF : 1887815.9/15

Left Out: 691.565+/-0.391 χ^2/NDF : 94978.4/1

Right Out: 610.061+/-0.171 χ^2/NDF : 2074248.2/18

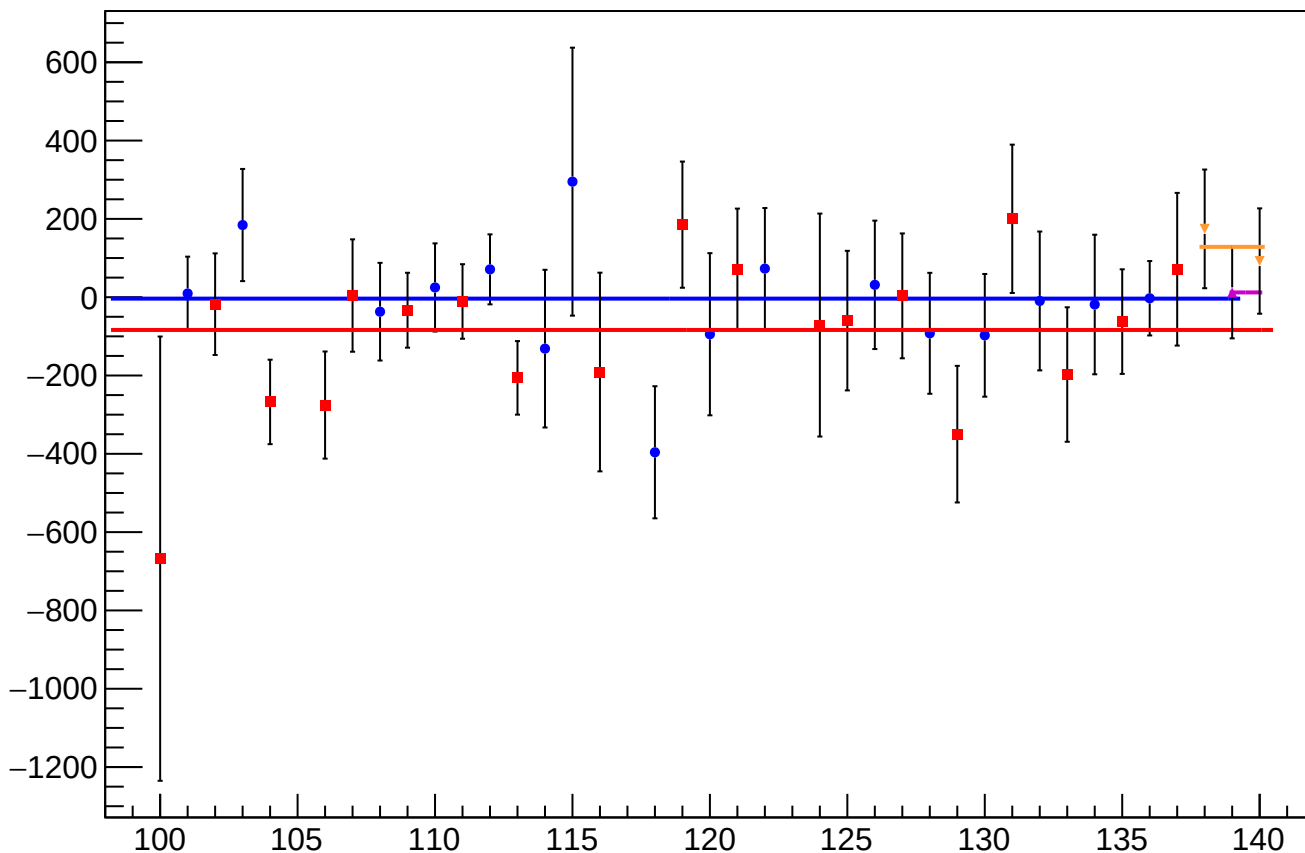
Left In: 816.230+/-0.631 χ^2/NDF : 0.0/0

+ sign 655.578+/-0.166 χ^2/NDF : 1993157.2/17

All: 639.708+/-0.117 χ^2/NDF : 4184969.4/37

- sign 624.095+/-0.165 χ^2/NDF : 2173685.5/19

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633 ± 34.152 χ^2/NDF : 10.3/15

Left Out: 128.510 ± 100.611 χ^2/NDF : 0.2/1

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

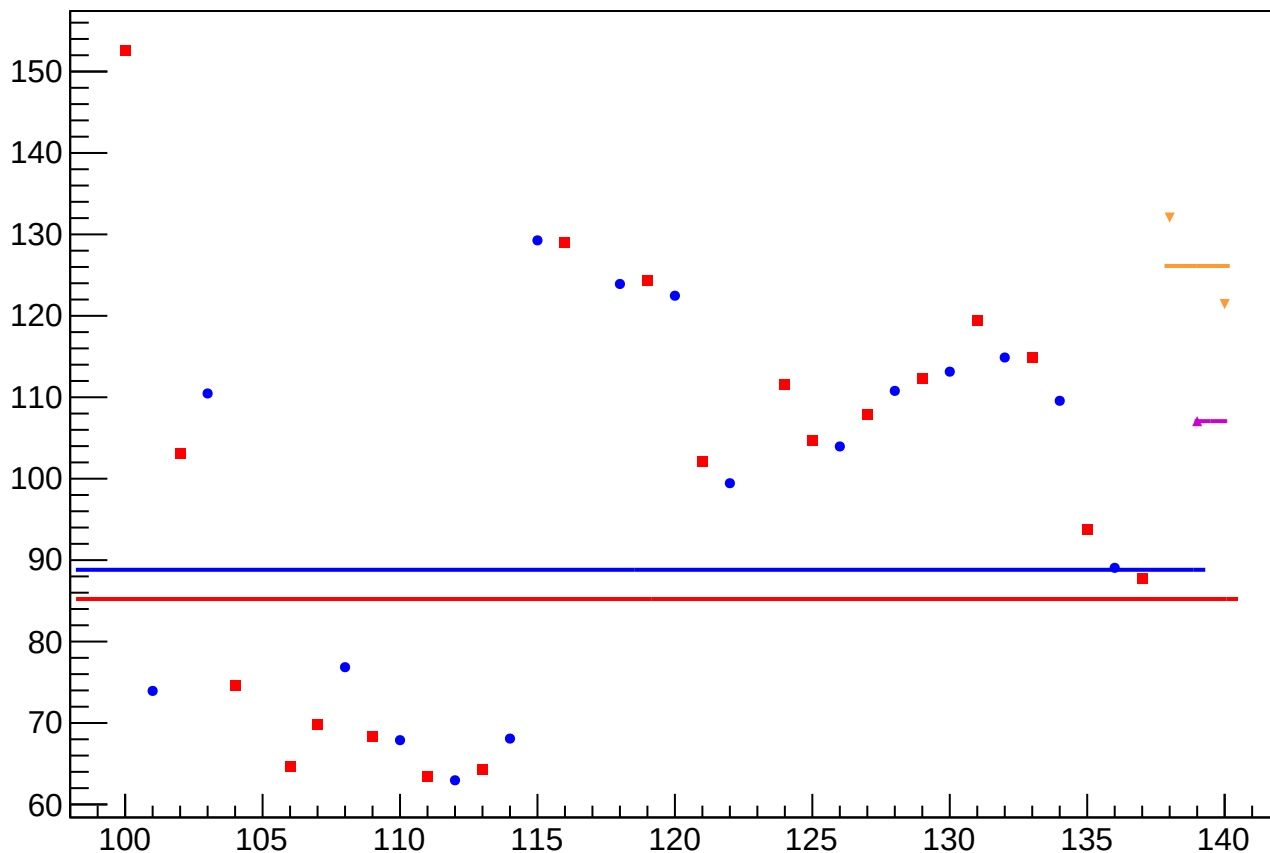
Left In: 12.136 ± 117.244 χ^2/NDF : 0.0/0

+ sign 10.020 ± 32.340 χ^2/NDF : 12.0/17

All: -34.612 ± 22.542 χ^2/NDF : 35.4/37

- sign -76.787 ± 31.438 χ^2/NDF : 19.7/19

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF : 724609.7/15

Left Out: 126.121+/-0.071 χ^2/NDF : 5493.2/1

Right Out: 85.225+/-0.023 χ^2/NDF : 884073.3/18

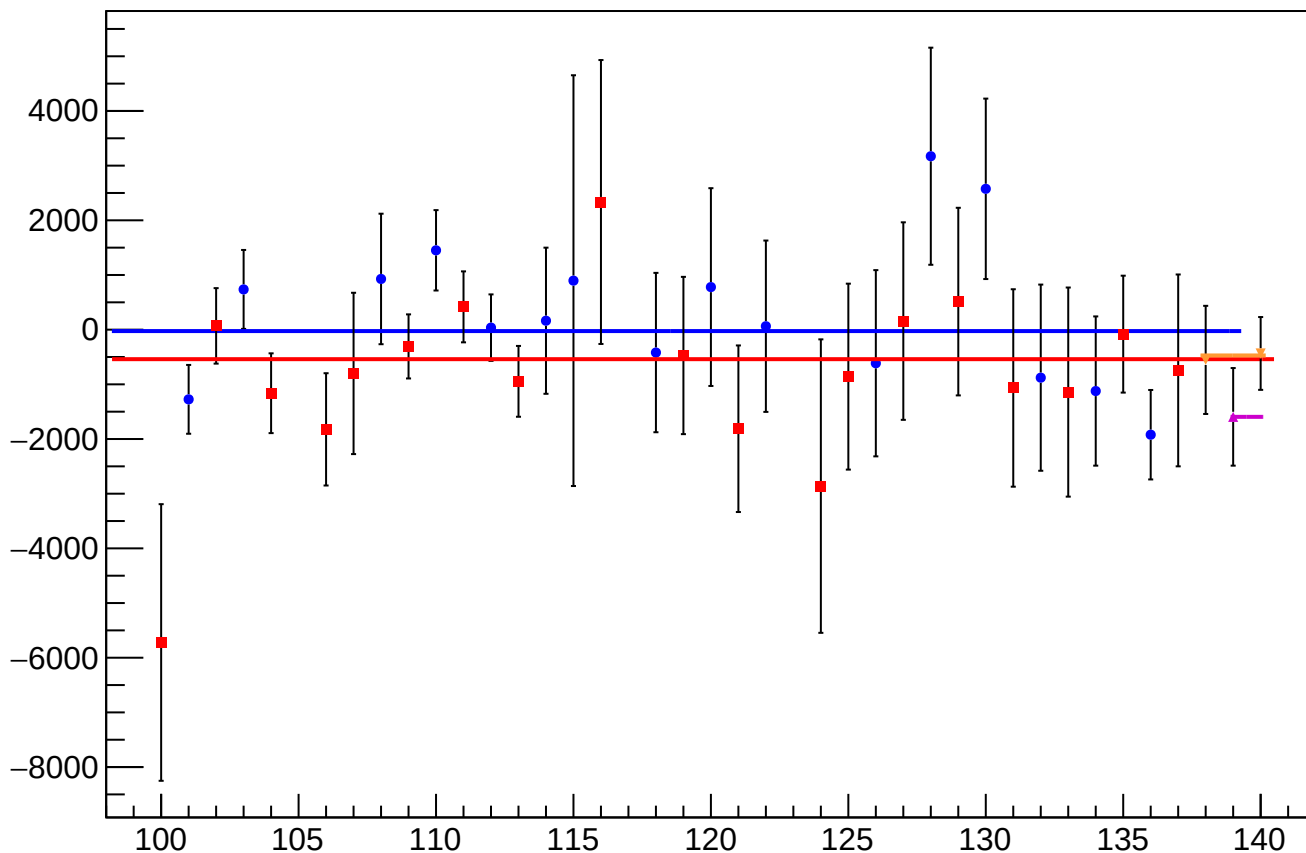
Left In: 107.068+/-0.083 χ^2/NDF : 0.0/0

+ sign 92.668+/-0.023 χ^2/NDF : 976686.8/17

All: 89.648+/-0.016 χ^2/NDF : 1959097.8/37

- sign 86.795+/-0.022 χ^2/NDF : 948500.5/19

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF : 21.6/15

Left Out: -471.818+/-552.330 χ^2/NDF : 0.0/1

Right Out: -539.635+/-241.238 χ^2/NDF : 13.6/18

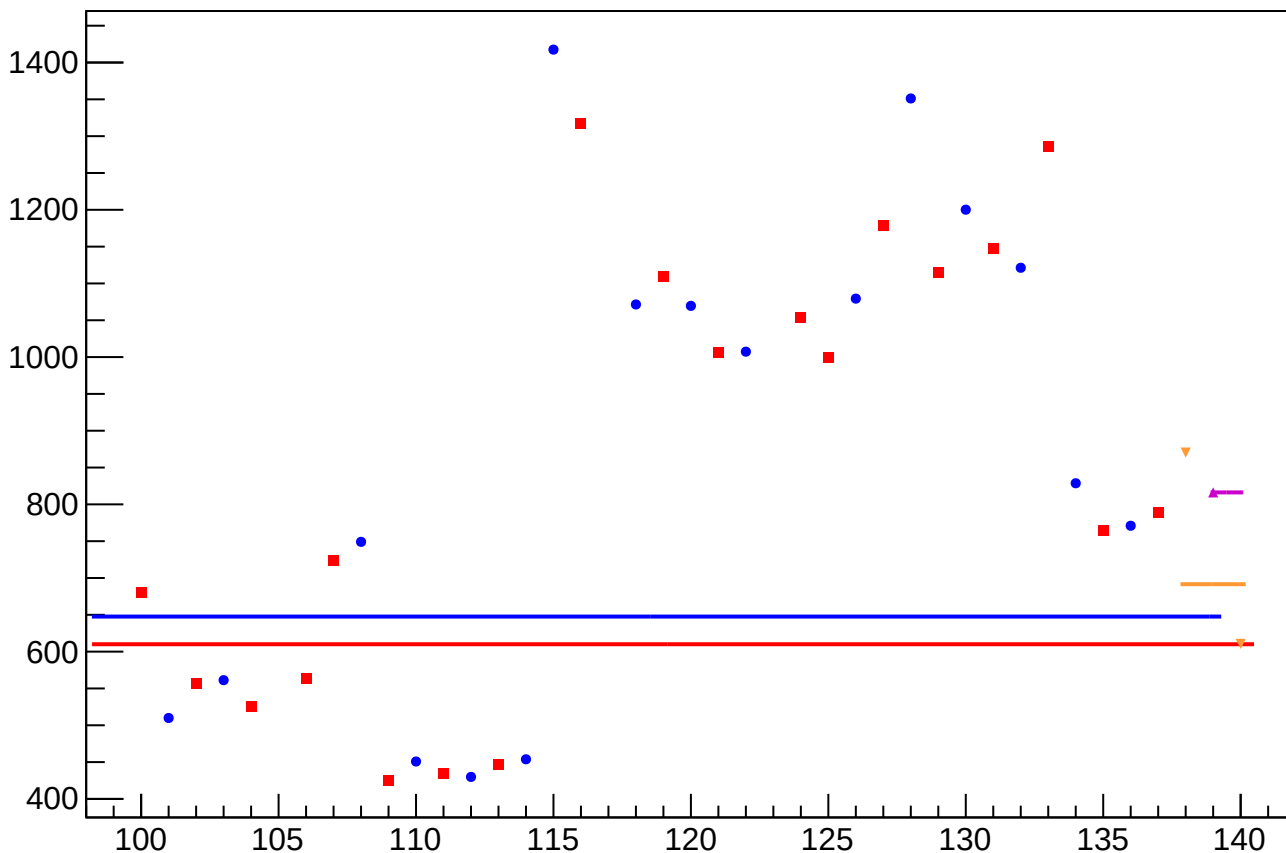
Left In: -1594.552+/-892.599 χ^2/NDF : 0.0/0

+ sign -106.376+/-234.796 χ^2/NDF : 22.1/17

All: -360.976+/-165.345 χ^2/NDF : 39.4/37

- sign -611.444+/-232.883 χ^2/NDF : 14.9/19

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640 $\pm$ 0.183 χ^2 /NDF: 1887820.6/15

Left Out: 691.564 $\pm$ 0.391 χ^2 /NDF: 94978.4/1

Right Out: 610.060 $\pm$ 0.171 χ^2 /NDF: 2074251.1/18

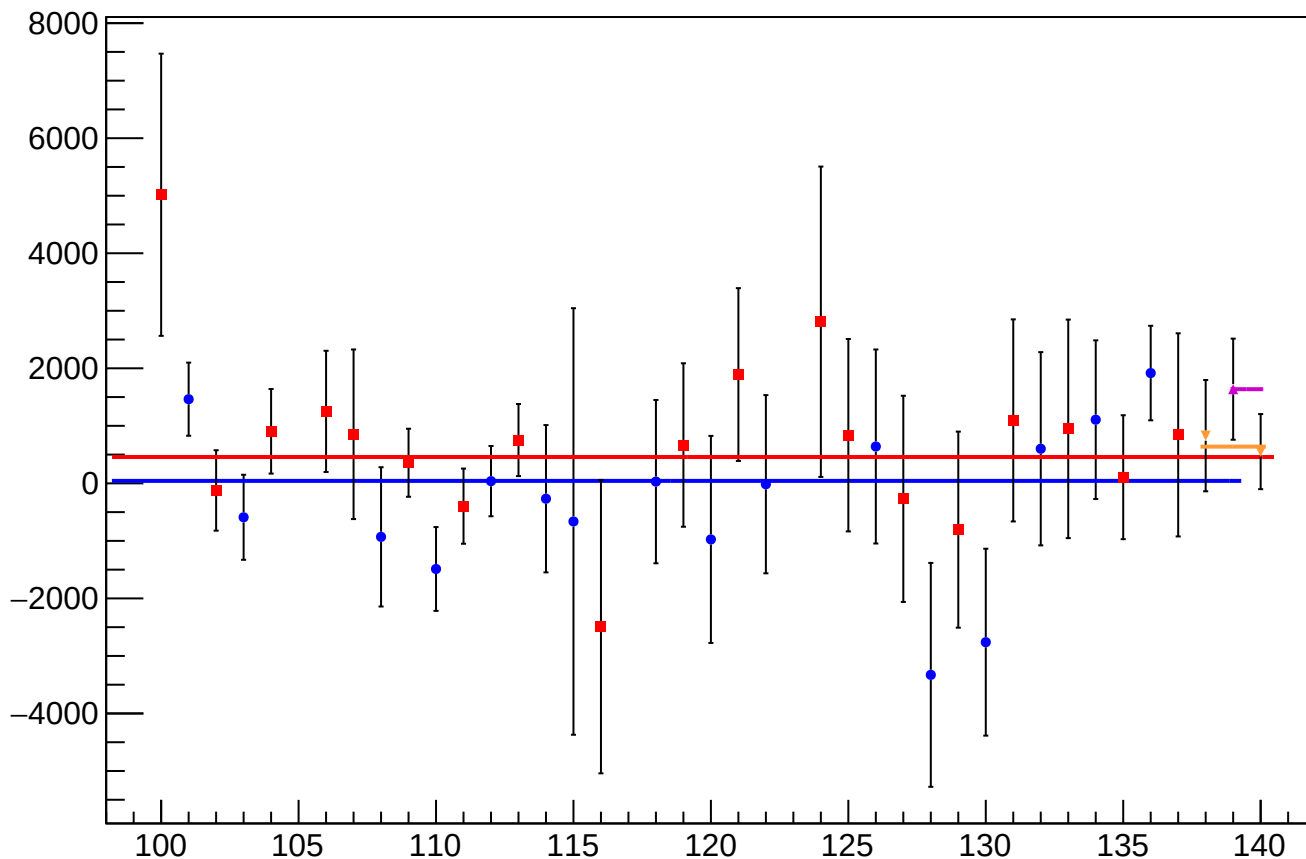
Left In: 816.230 $\pm$ 0.631 χ^2 /NDF: 0.0/0

+ sign 655.577 $\pm$ 0.166 χ^2 /NDF: 1993161.9/17

All: 639.707 $\pm$ 0.117 χ^2 /NDF: 4184977.4/37

- sign 624.094 $\pm$ 0.165 χ^2 /NDF: 2173688.8/19

asym_sam_1548_avg_mean vs Slug



Right In: 43.152 $\pm$ 259.796 χ^2 /NDF: 23.2/15

Left Out: 638.565 $\pm$ 541.107 χ^2 /NDF: 0.1/1

Right Out: 458.111 $\pm$ 241.118 χ^2 /NDF: 11.3/18

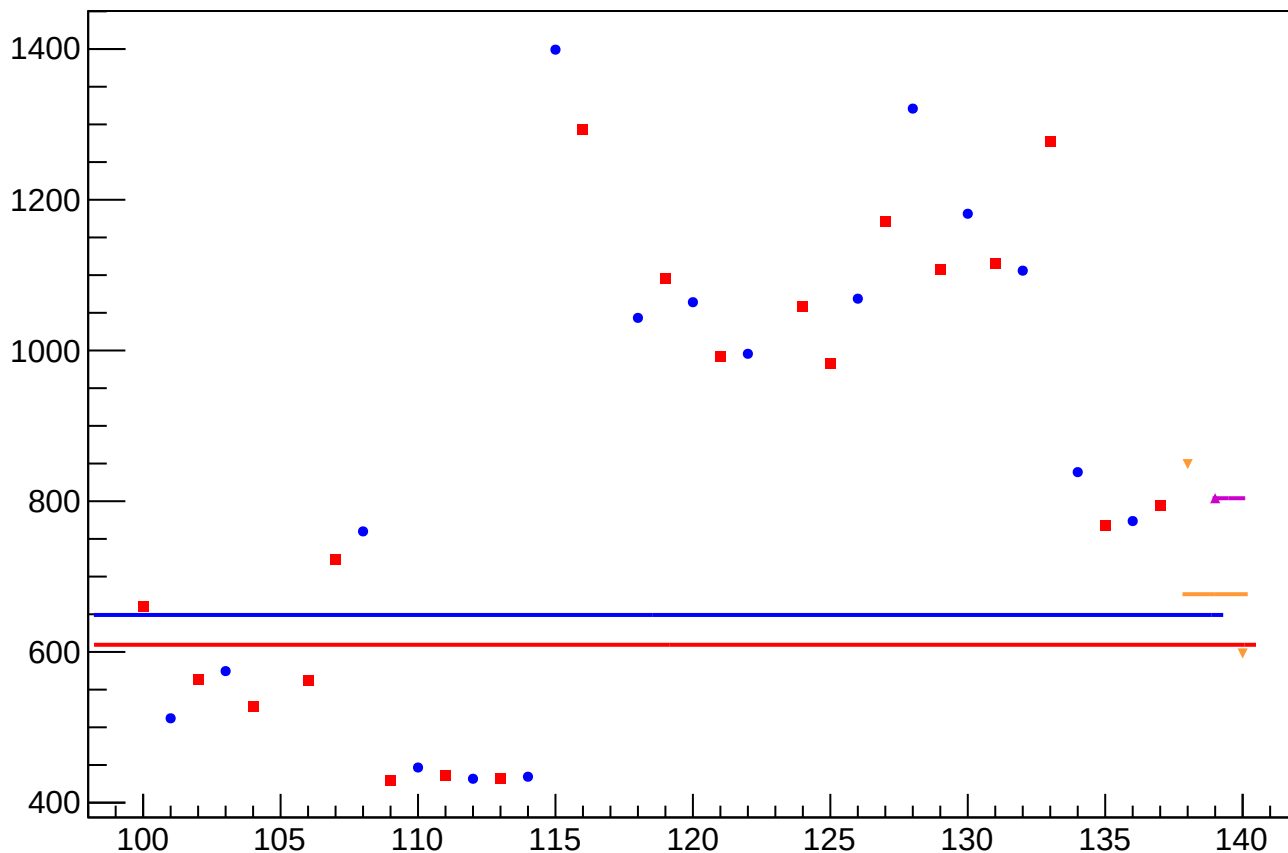
Left In: 1637.135 $\pm$ 878.862 χ^2 /NDF: 0.0/0

+ sign 154.692 $\pm$ 234.201 χ^2 /NDF: 24.3/17

All: 349.053 $\pm$ 165.010 χ^2 /NDF: 38.6/37

- sign 540.643 $\pm$ 232.525 χ^2 /NDF: 12.9/19

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF : 1845815.6/15

Left Out: 676.609+/-0.383 χ^2/NDF : 92689.1/1

Right Out: 609.516+/-0.170 χ^2/NDF : 2043591.1/18

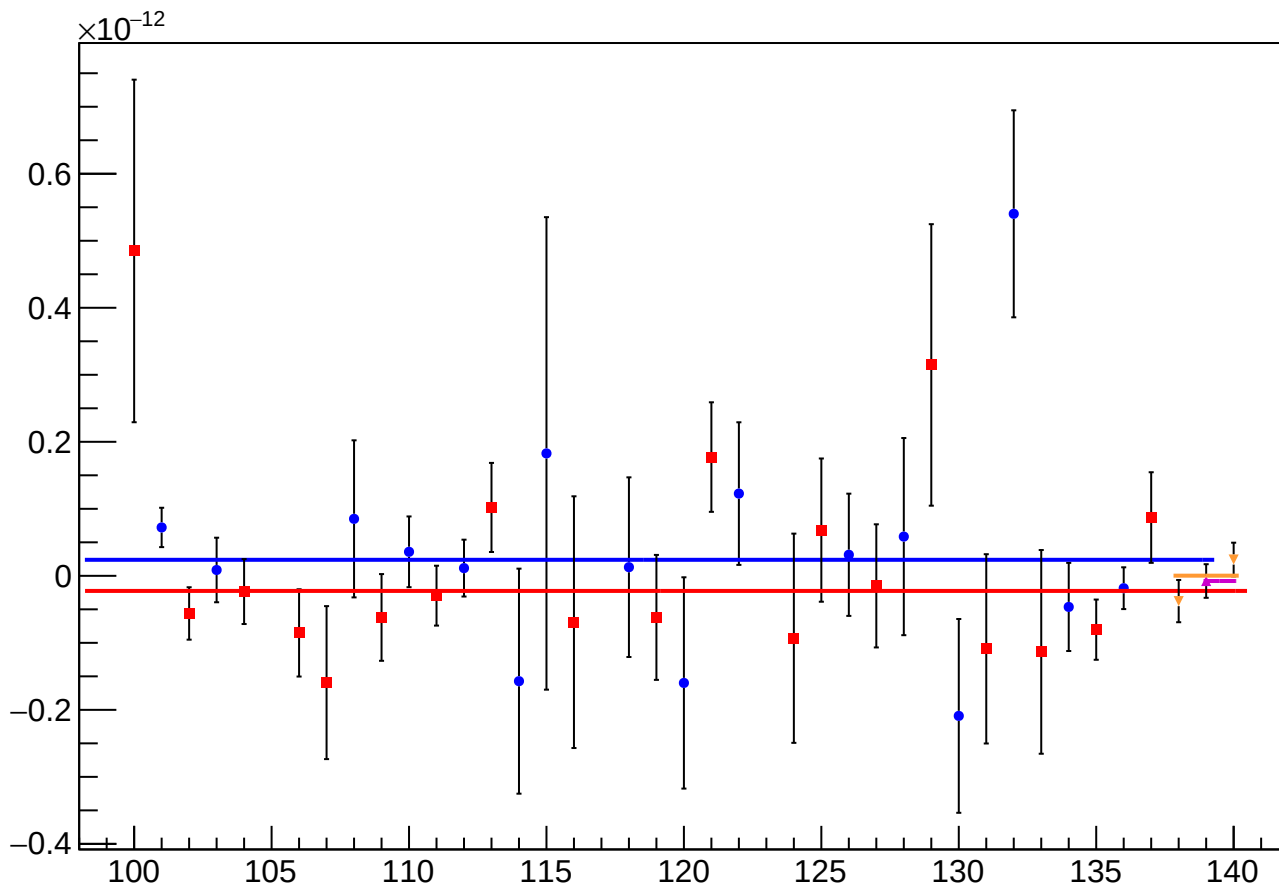
Left In: 803.970+/-0.621 χ^2/NDF : 0.0/0

+ sign 654.246+/-0.166 χ^2/NDF : 1942708.4/17

All: 638.575+/-0.117 χ^2/NDF : 4095134.4/37

- sign 623.128+/-0.164 χ^2/NDF : 2134645.6/19

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/18

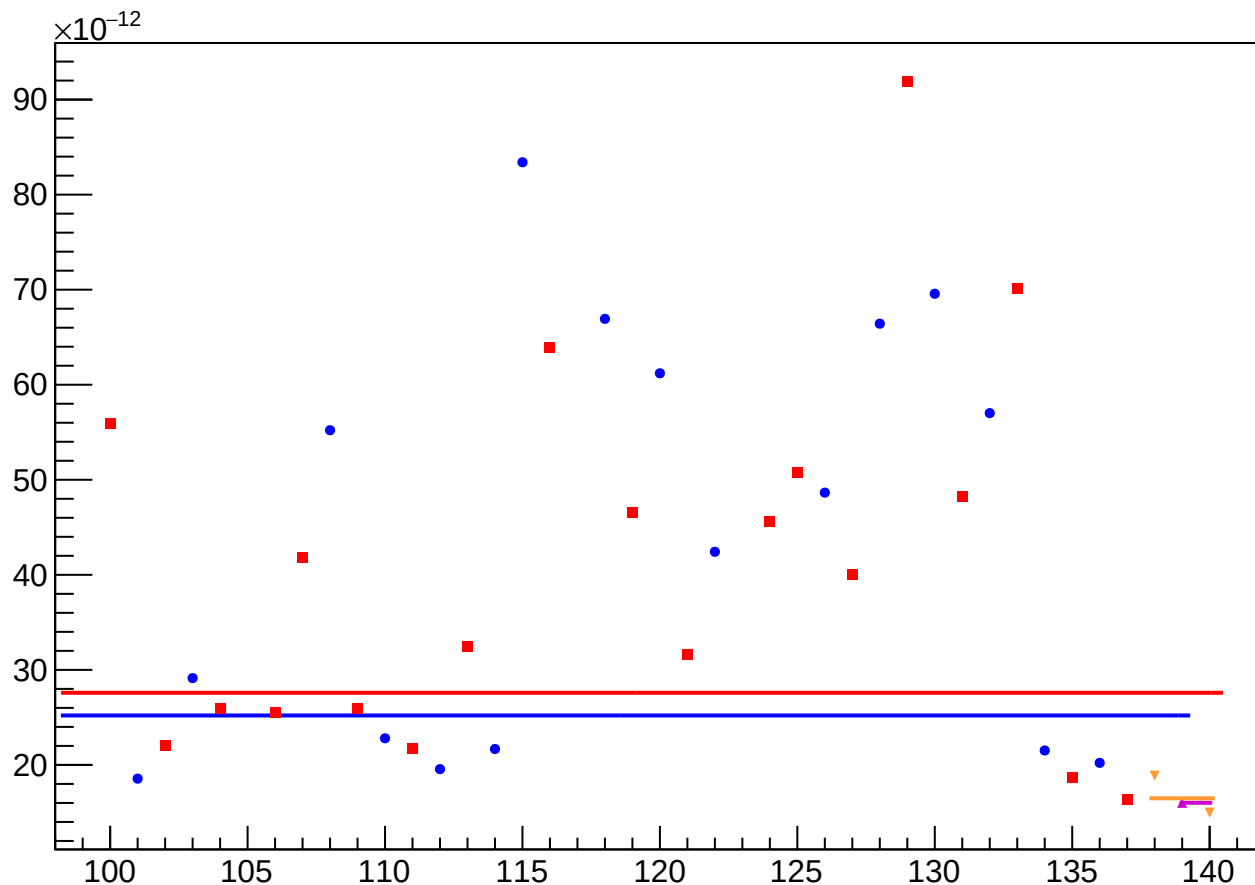
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.1/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/19

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 18597.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 988490.8/18

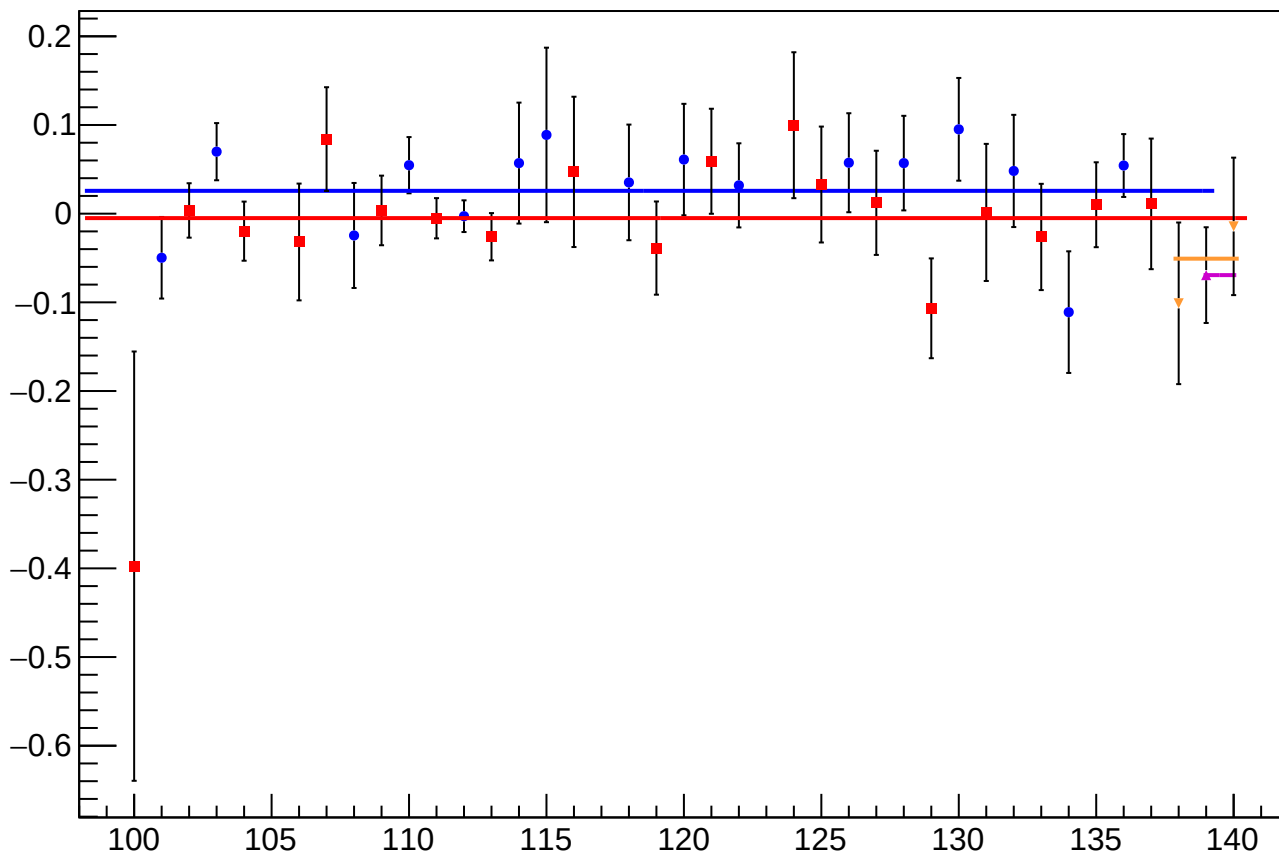
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1576857.7/17

All: 0.000+/-0.000 χ^2/NDF : 2893641.3/37

- sign 0.000+/-0.000 χ^2/NDF : 1287521.9/19

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.010 χ^2 /NDF: 16.5/15

Left Out: -0.051 $\pm$ 0.059 χ^2 /NDF: 0.5/1

Right Out: -0.005 $\pm$ 0.010 χ^2 /NDF: 13.6/18

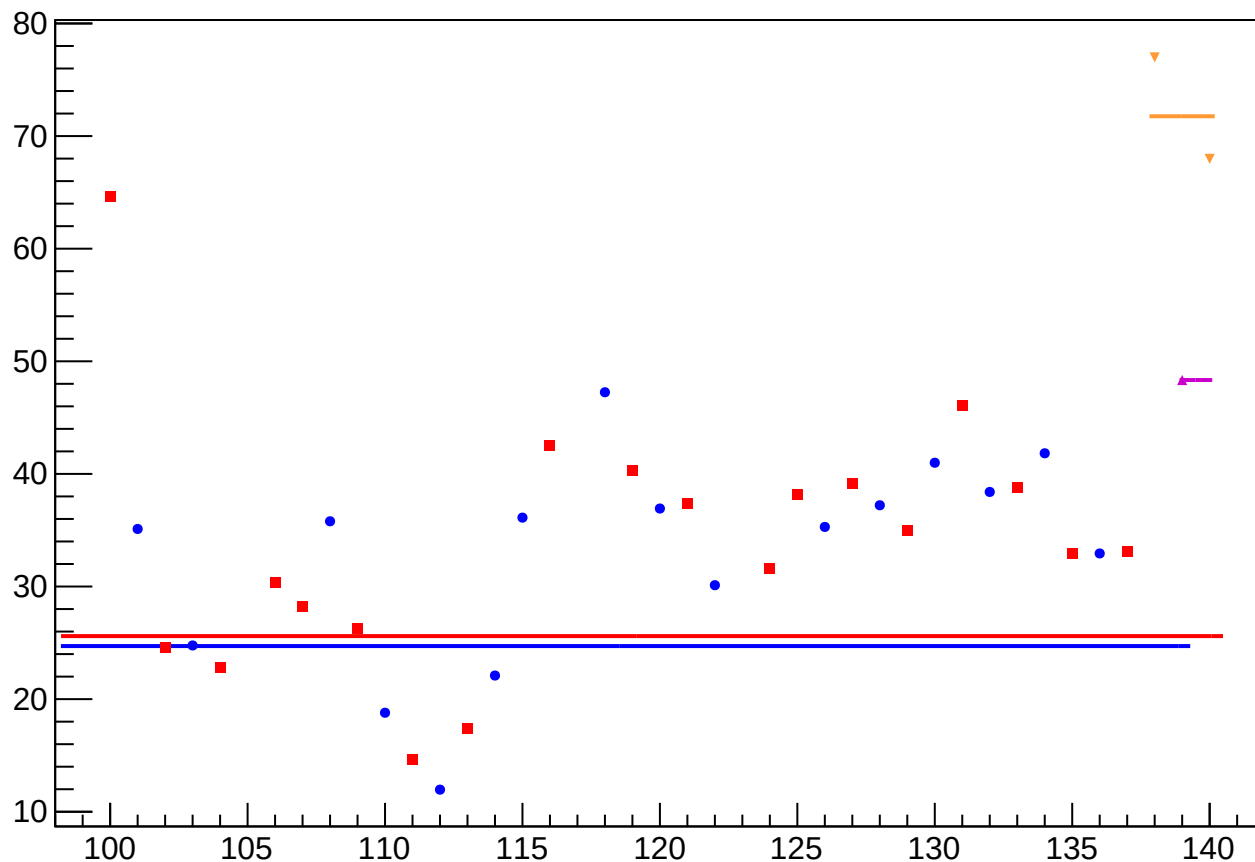
Left In: -0.069 $\pm$ 0.054 χ^2 /NDF: 0.0/0

+ sign 0.023 $\pm$ 0.010 χ^2 /NDF: 18.7/17

All: 0.008 $\pm$ 0.007 χ^2 /NDF: 38.2/37

- sign -0.007 $\pm$ 0.010 χ^2 /NDF: 15.0/19

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295174.7/15

Left Out: 71.758 $\pm$ 0.042 χ^2 /NDF:11343.3/1

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605235.8/18

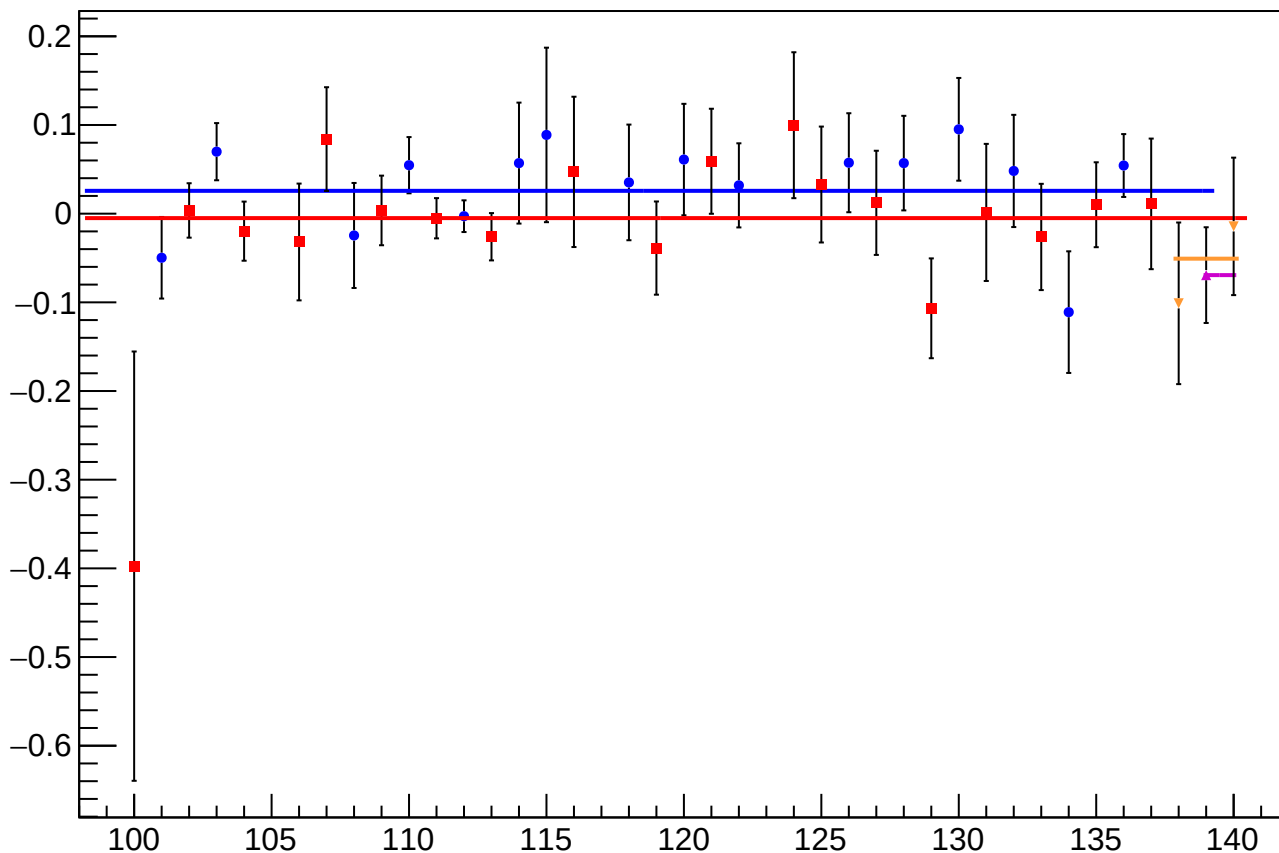
Left In: 48.337 $\pm$ 0.038 χ^2 /NDF:0.0/0

+ sign 26.117 $\pm$ 0.007 χ^2 /NDF: 3538493.9/17

All: 26.261 $\pm$ 0.005 χ^2 /NDF: 5486976.2/37

- sign 26.403 $\pm$ 0.007 χ^2 /NDF: 1947688.8/19

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 ± 0.010 χ^2/NDF : 16.5/15

Left Out: -0.051 ± 0.059 χ^2/NDF : 0.5/1

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

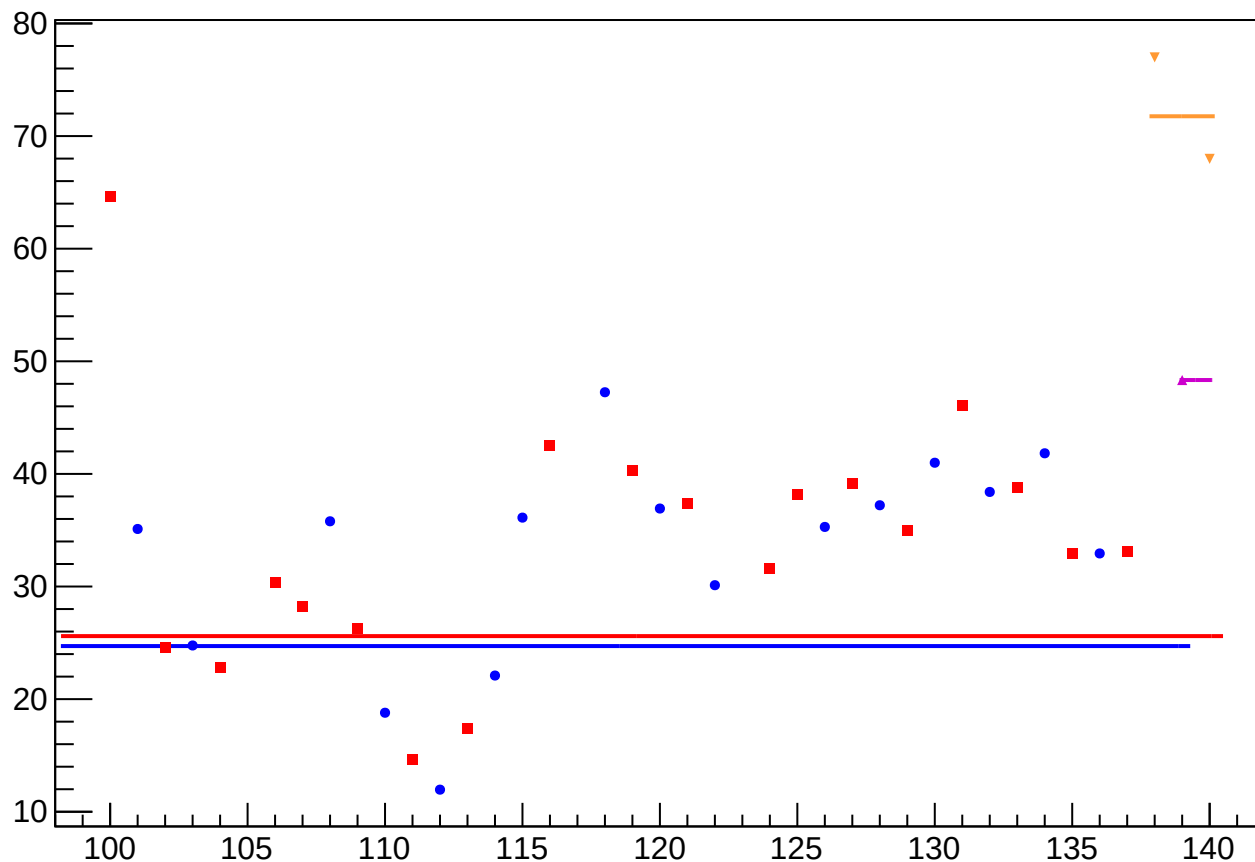
Left In: -0.069 ± 0.054 χ^2/NDF : 0.0/0

+ sign 0.023 ± 0.010 χ^2/NDF : 18.7/17

All: 0.008 ± 0.007 χ^2/NDF : 38.2/37

- sign -0.007 ± 0.010 χ^2/NDF : 15.0/19

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2/NDF : 2295174.7/15

Left Out: 71.758 $\pm$ 0.042 χ^2/NDF : 11343.3/1

Right Out: 25.597 $\pm$ 0.007 χ^2/NDF : 1605235.8/18

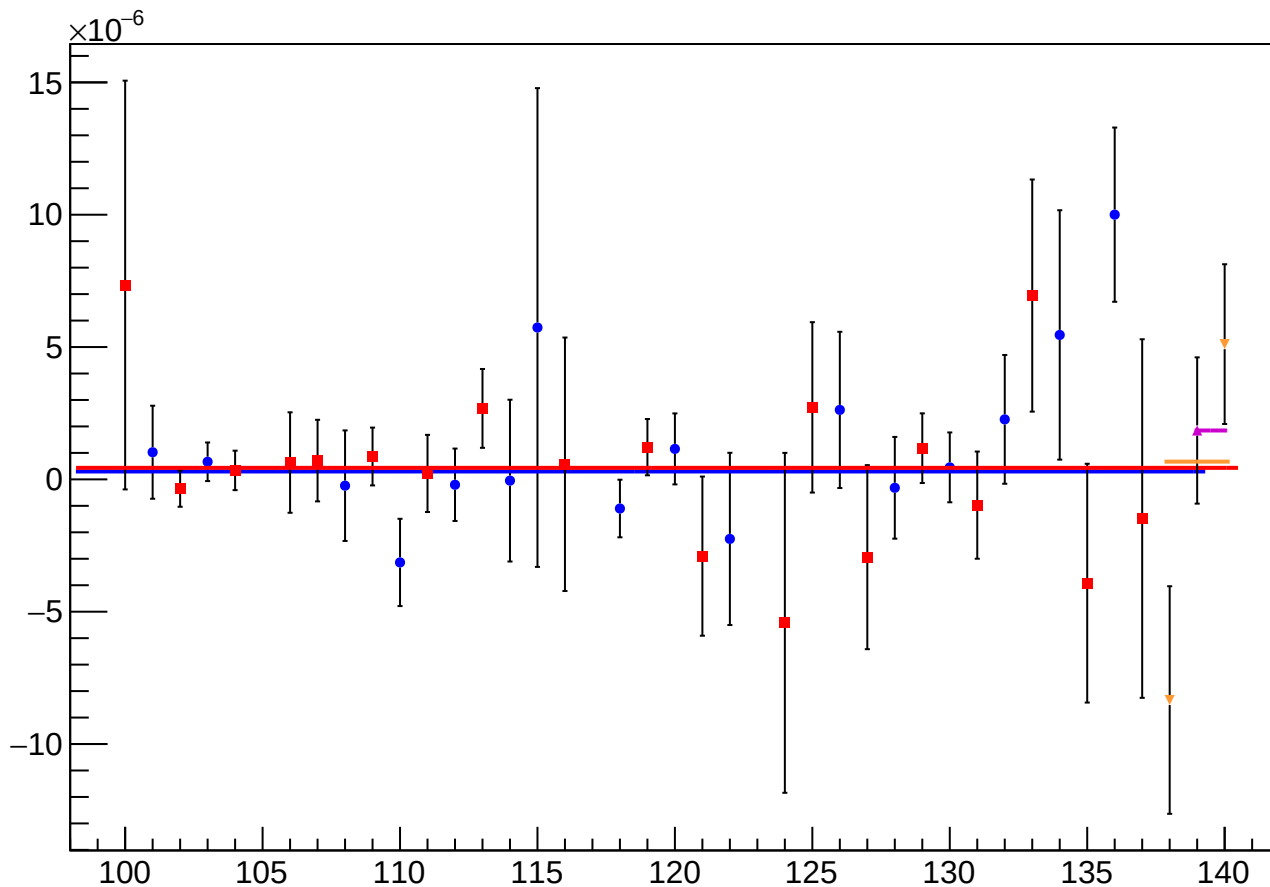
Left In: 48.337 $\pm$ 0.038 χ^2/NDF : 0.0/0

+ sign 26.117 $\pm$ 0.007 χ^2/NDF : 3538493.9/17

All: 26.261 $\pm$ 0.005 χ^2/NDF : 5486976.2/37

- sign 26.403 $\pm$ 0.007 χ^2/NDF : 1947688.8/19

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

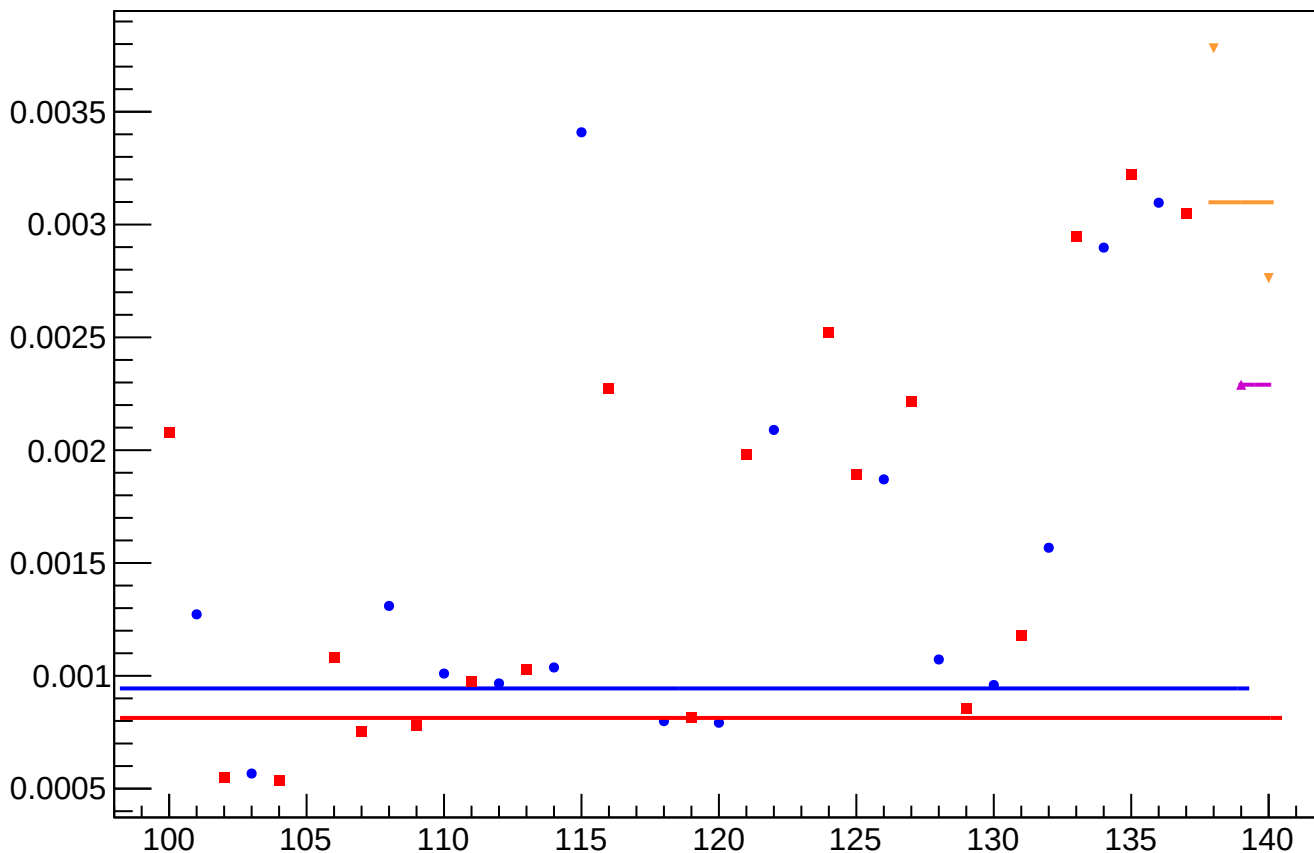
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/19

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2665853.3/15

Left Out: 0.003+/-0.000 χ^2/NDF : 75185.4/1

Right Out: 0.001+/-0.000 χ^2/NDF : 3244147.3/18

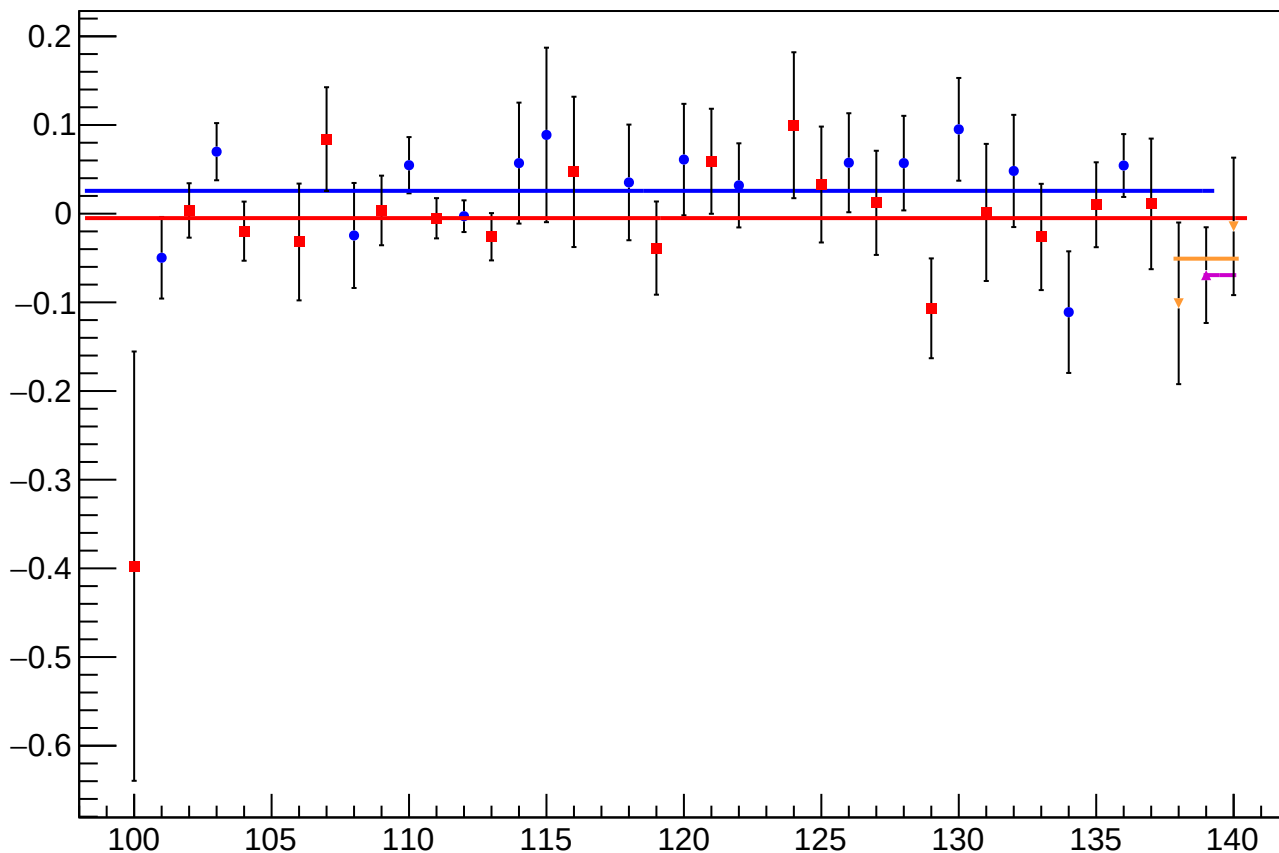
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 4223584.1/17

All: 0.001+/-0.000 χ^2/NDF : 8228489.6/37

- sign 0.001+/-0.000 χ^2/NDF : 3806758.6/19

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 ± 0.010 χ^2/NDF : 16.5/15

Left Out: -0.051 ± 0.059 χ^2/NDF : 0.5/1

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

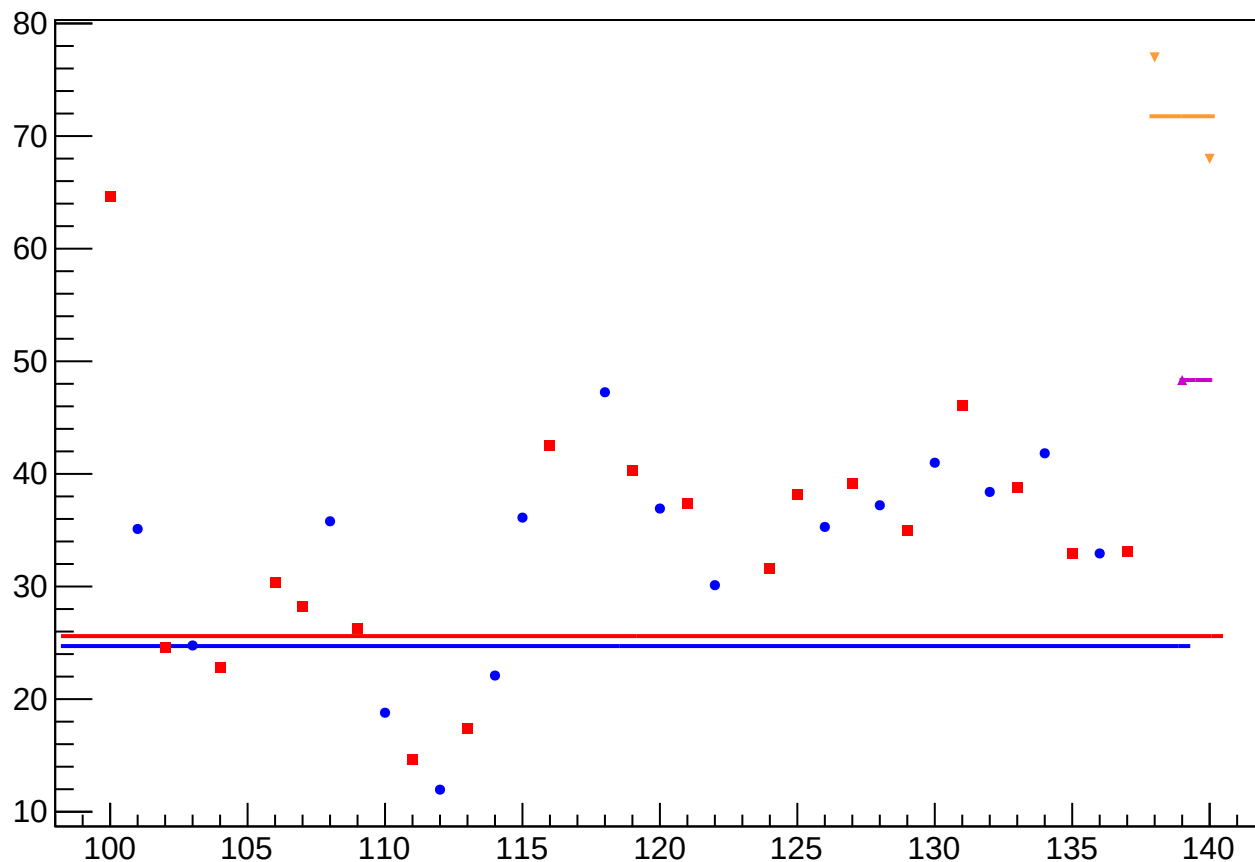
Left In: -0.069 ± 0.054 χ^2/NDF : 0.0/0

+ sign 0.023 ± 0.010 χ^2/NDF : 18.7/17

All: 0.008 ± 0.007 χ^2/NDF : 38.2/37

- sign -0.007 ± 0.010 χ^2/NDF : 15.0/19

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295351.2/15

Left Out: 71.759 $\pm$ 0.042 χ^2 /NDF: 11340.9/1

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

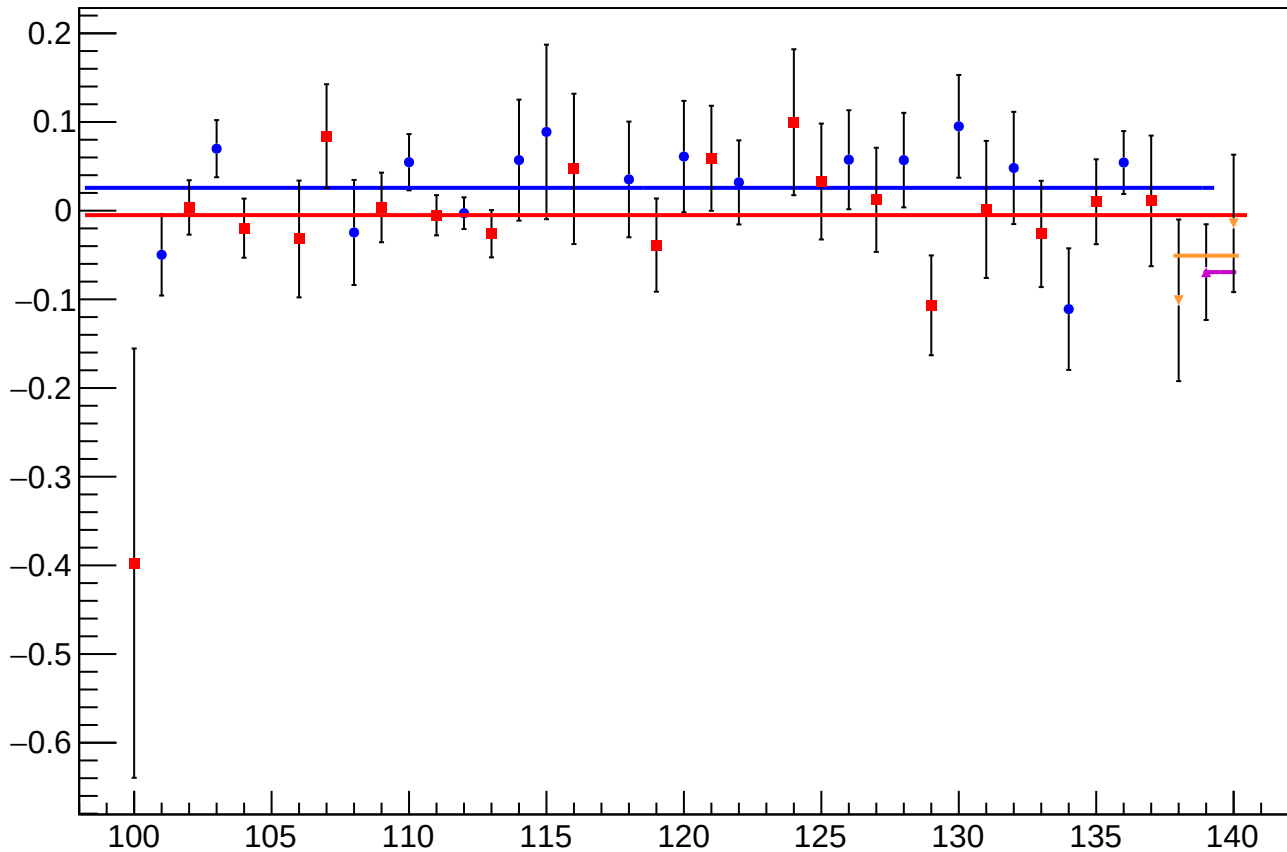
Left In: 48.337 $\pm$ 0.038 χ^2 /NDF: 0.0/0

+ sign 26.116 $\pm$ 0.007 χ^2 /NDF: 3538709.6/17

All: 26.260 $\pm$ 0.005 χ^2 /NDF: 5487359.2/37

- sign 26.403 $\pm$ 0.007 χ^2 /NDF: 1947855.1/19

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 ± 0.010 χ^2/NDF : 16.5/15

Left Out: -0.051 ± 0.059 χ^2/NDF : 0.5/1

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

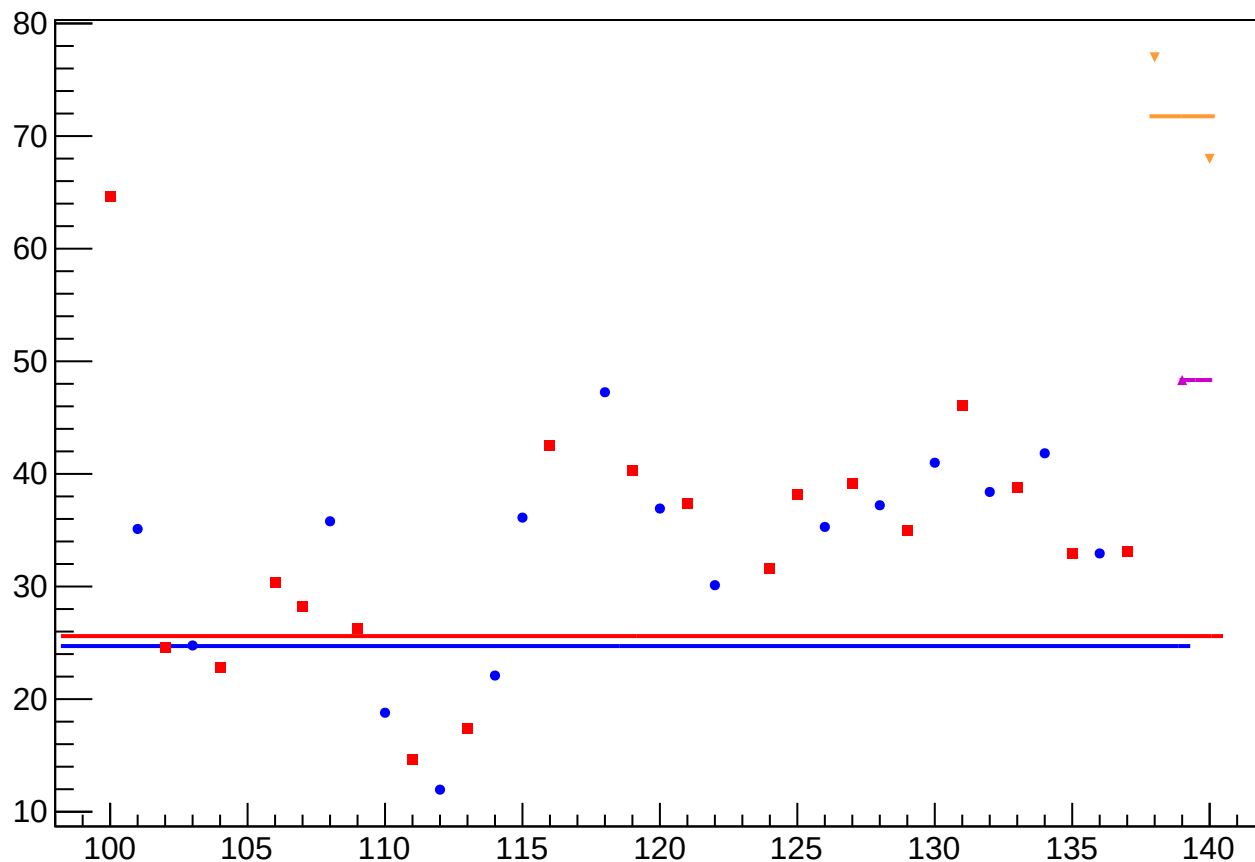
Left In: -0.069 ± 0.054 χ^2/NDF : 0.0/0

+ sign 0.023 ± 0.010 χ^2/NDF : 18.7/17

All: 0.008 ± 0.007 χ^2/NDF : 38.2/37

- sign -0.007 ± 0.010 χ^2/NDF : 15.0/19

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295351.2/15

Left Out: 71.759 $\pm$ 0.042 χ^2 /NDF:11340.9/1

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

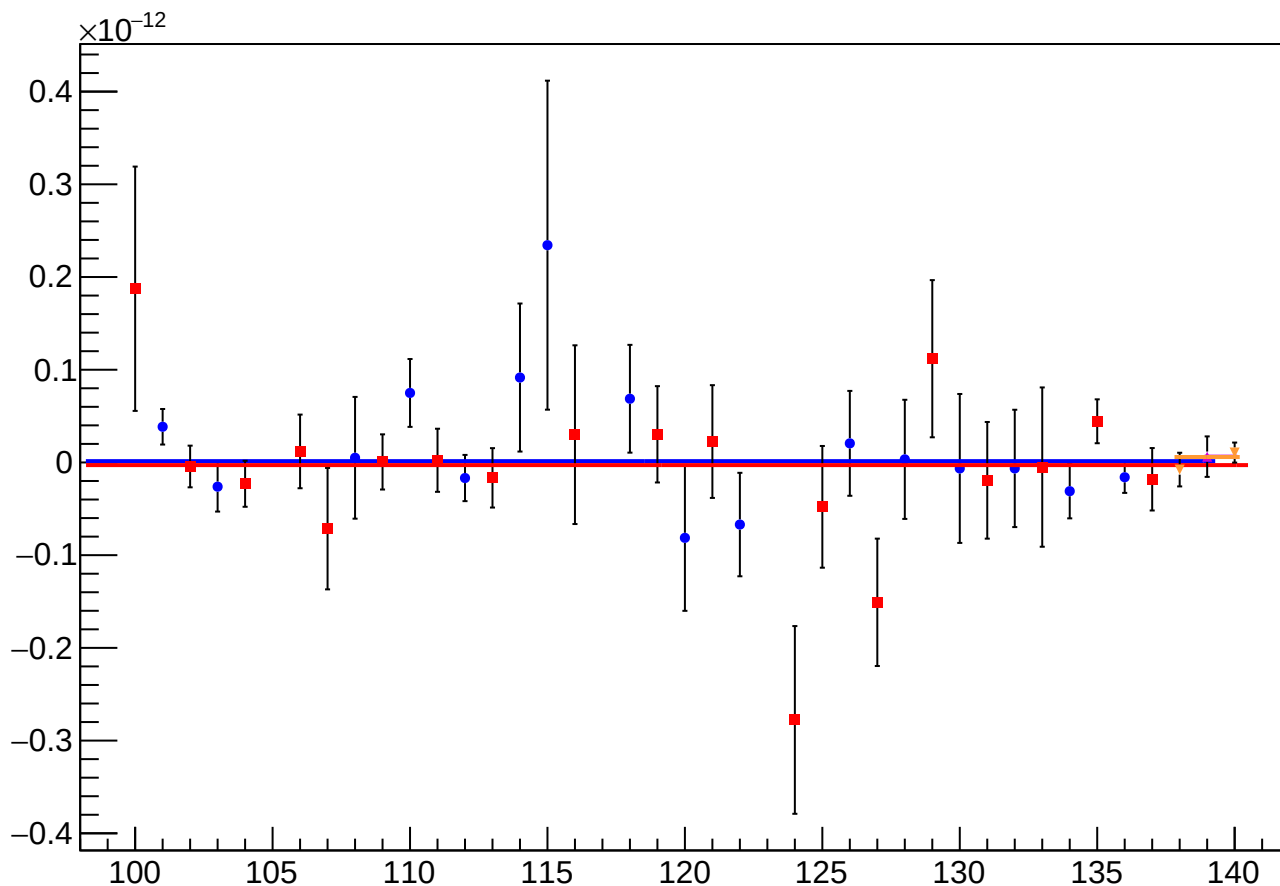
Left In: 48.337 $\pm$ 0.038 χ^2 /NDF:0.0/0

+ sign 26.116 $\pm$ 0.007 χ^2 /NDF: 3538709.6/17

All: 26.260 $\pm$ 0.005 χ^2 /NDF: 5487359.2/37

- sign 26.403 $\pm$ 0.007 χ^2 /NDF: 1947855.1/19

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.8/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/18

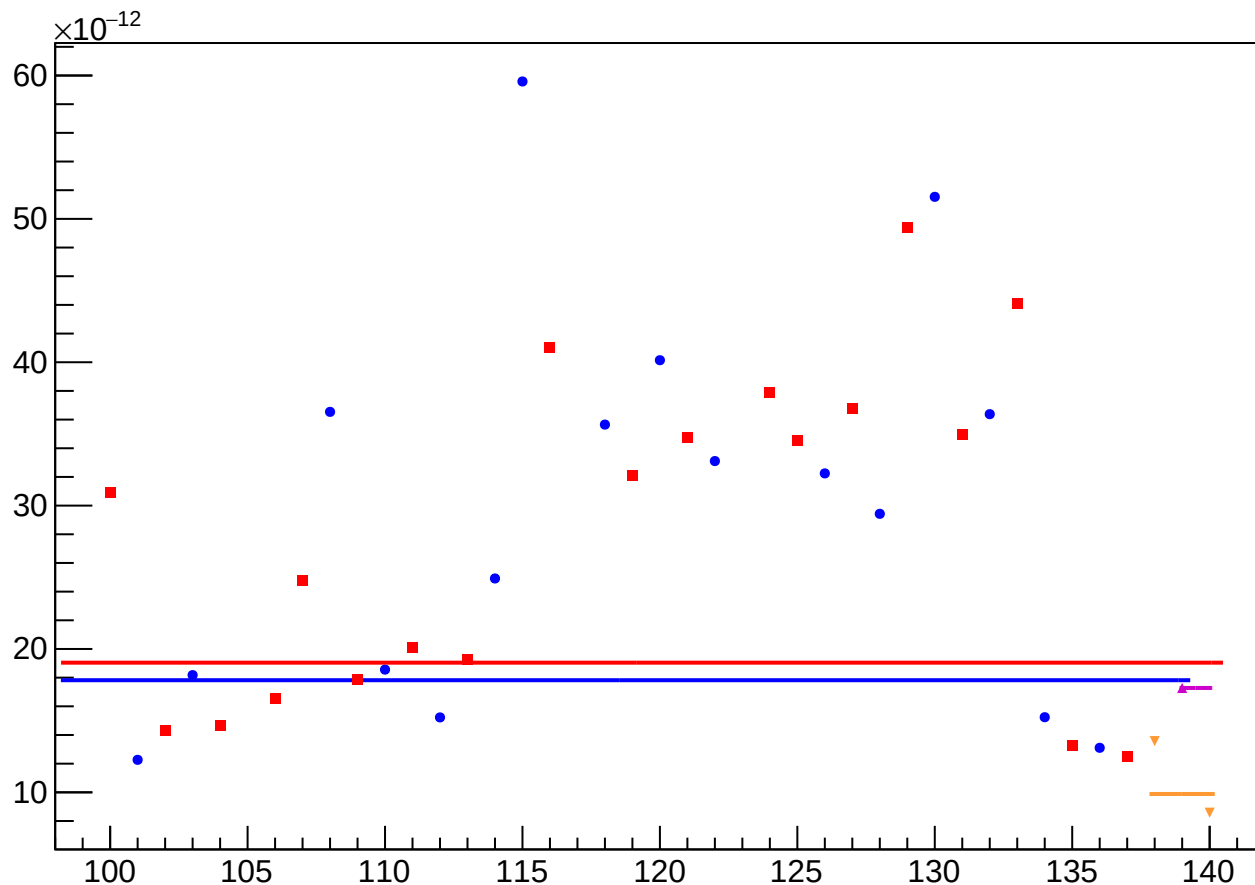
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/19

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 111631.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1620721.2/18

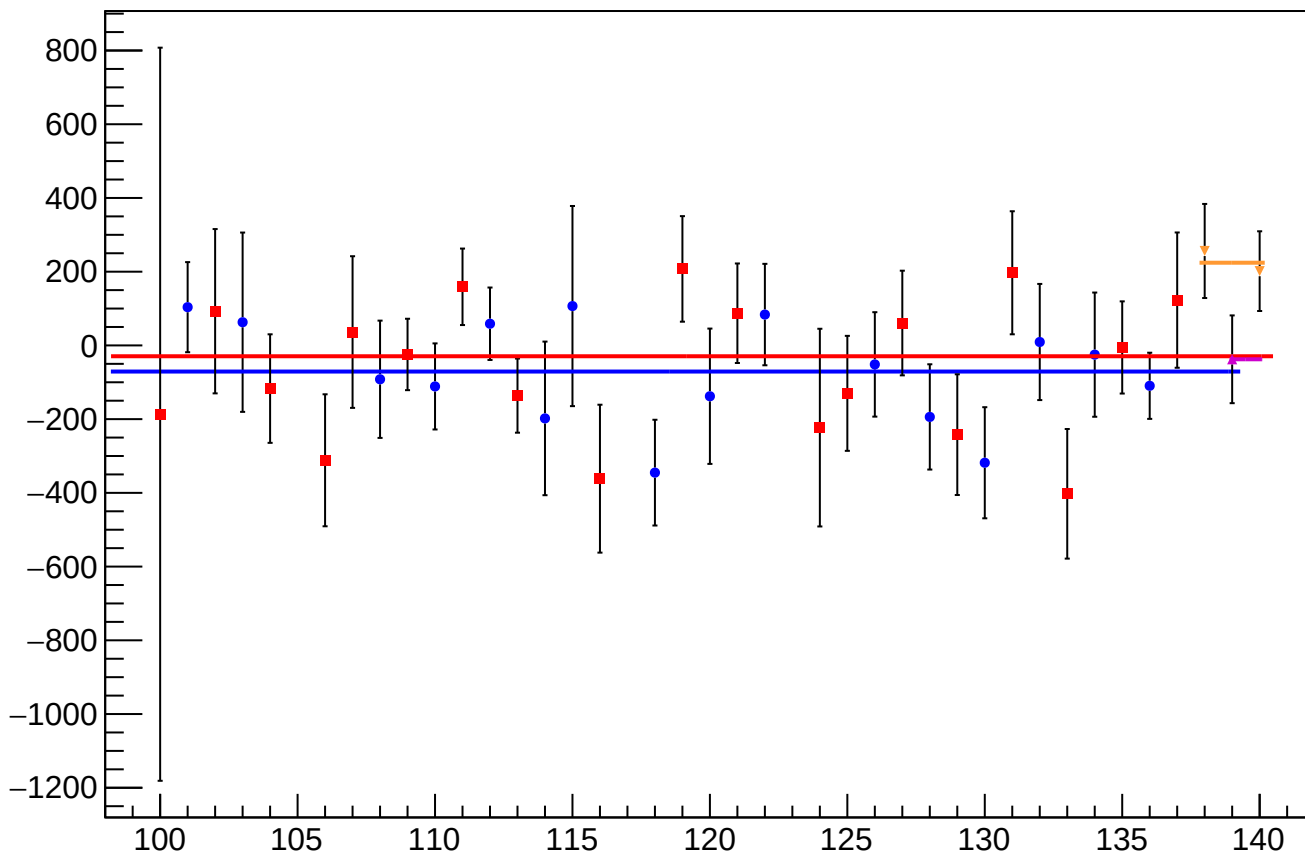
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2761873.1/17

All: 0.000+/-0.000 χ^2/NDF : 4784444.4/37

- sign 0.000+/-0.000 χ^2/NDF : 1631833.2/19

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892 ± 35.122 $\chi^2/\text{NDF}: 14.1/15$

Left Out: 224.324 ± 82.494 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -29.410 ± 34.243 $\chi^2/\text{NDF}: 24.0/18$

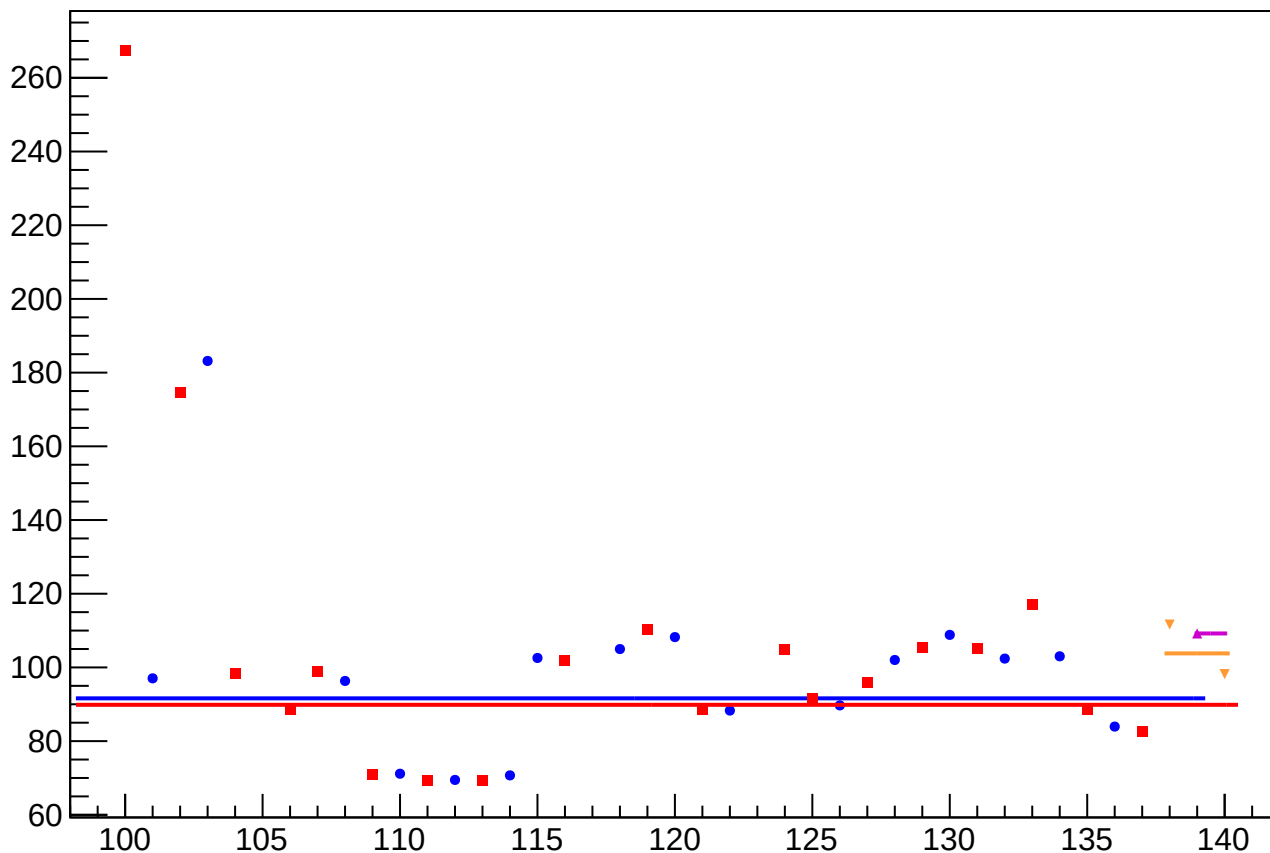
Left In: -37.654 ± 119.038 $\chi^2/\text{NDF}: 0.0/0$

+ sign -25.591 ± 32.315 $\chi^2/\text{NDF}: 25.0/17$

All: -27.775 ± 23.057 $\chi^2/\text{NDF}: 49.0/37$

- sign -30.040 ± 32.908 $\chi^2/\text{NDF}: 24.0/19$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580672.8/15

Left Out: 103.804 $\pm$ 0.058 χ^2 /NDF: 12923.4/1

Right Out: 89.854 $\pm$ 0.024 χ^2 /NDF: 746289.1/18

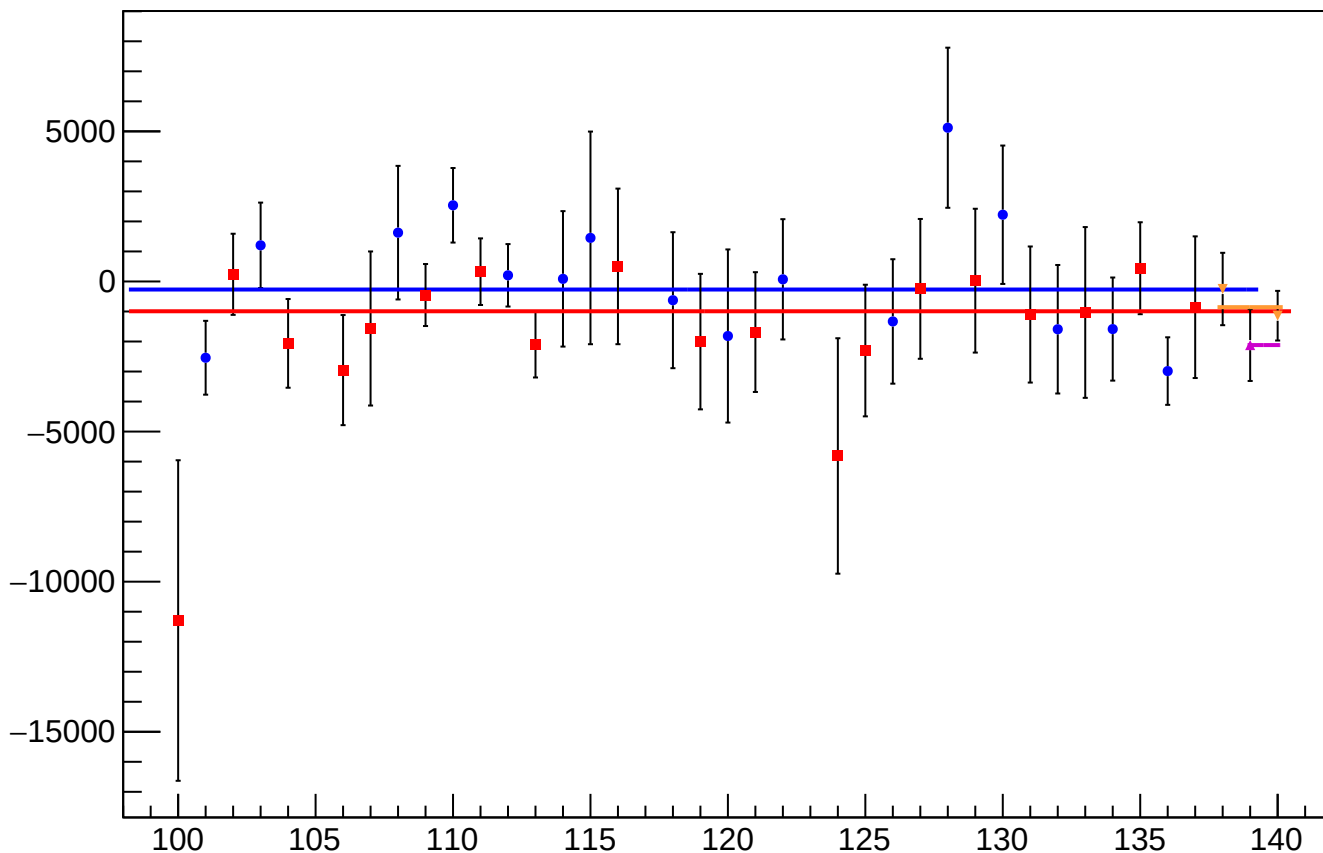
Left In: 109.217 $\pm$ 0.084 χ^2 /NDF: 0.0/0

+ sign 93.479 $\pm$ 0.023 χ^2 /NDF: 630601.9/17

All: 92.426 $\pm$ 0.016 χ^2 /NDF: 1430089.2/37

- sign 91.334 $\pm$ 0.023 χ^2 /NDF: 795160.7/19

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -268.485 $\pm$ 419.578 χ^2 /NDF: 23.4/15

Left Out: -855.688 $\pm$ 681.863 χ^2 /NDF:0.4/1

Right Out: -992.670 $\pm$ 400.824 χ^2 /NDF: 12.7/18

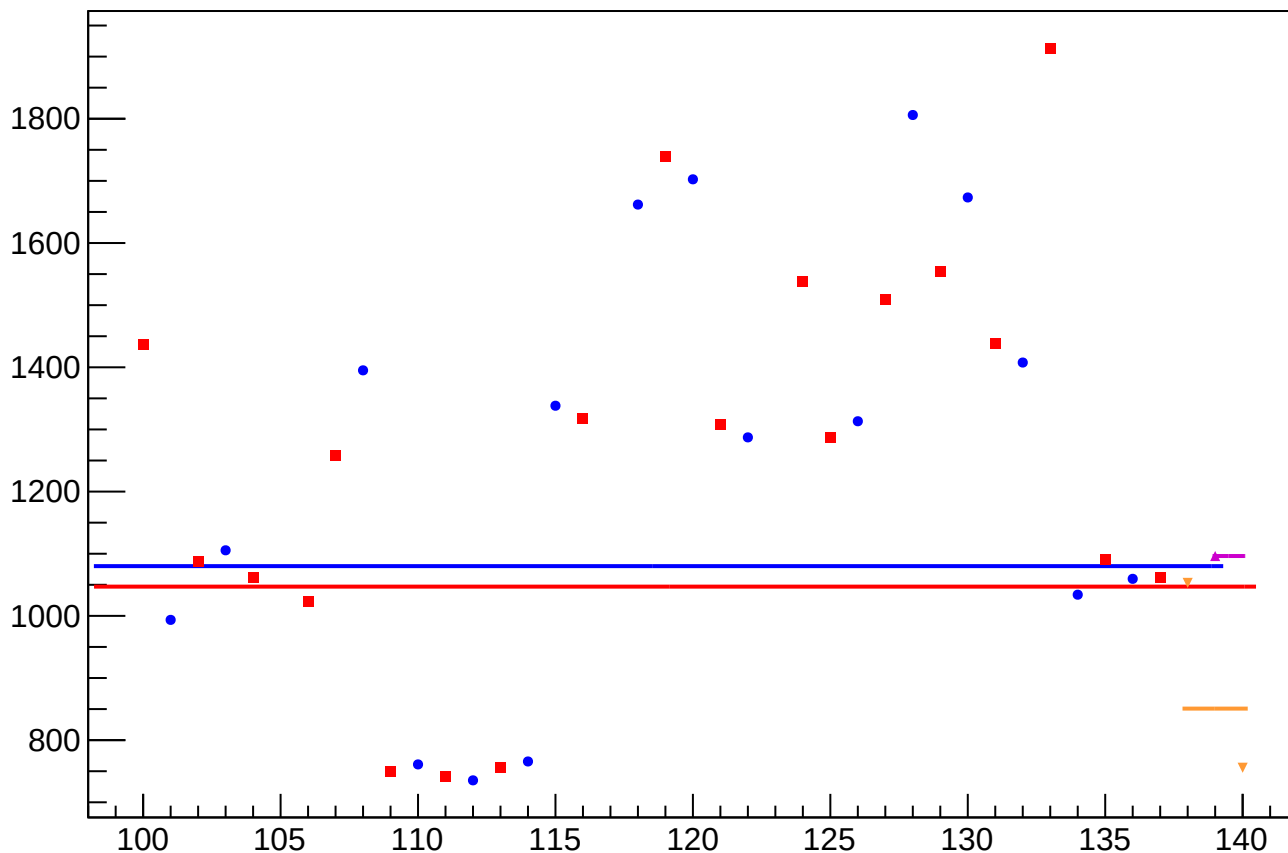
Left In: -2118.574 $\pm$ 1195.874 χ^2 /NDF:0.0/0

+ sign -429.760 $\pm$ 357.344 χ^2 /NDF: 24.4/17

All: -747.259 $\pm$ 260.336 χ^2 /NDF: 39.5/37

- sign -1106.380 $\pm$ 380.045 χ^2 /NDF: 13.5/19

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF : 1053468.5/15

Left Out: 850.765+/-0.482 χ^2/NDF :82820.6/1

Right Out: 1047.068+/-0.283 χ^2/NDF : 1198646.2/18

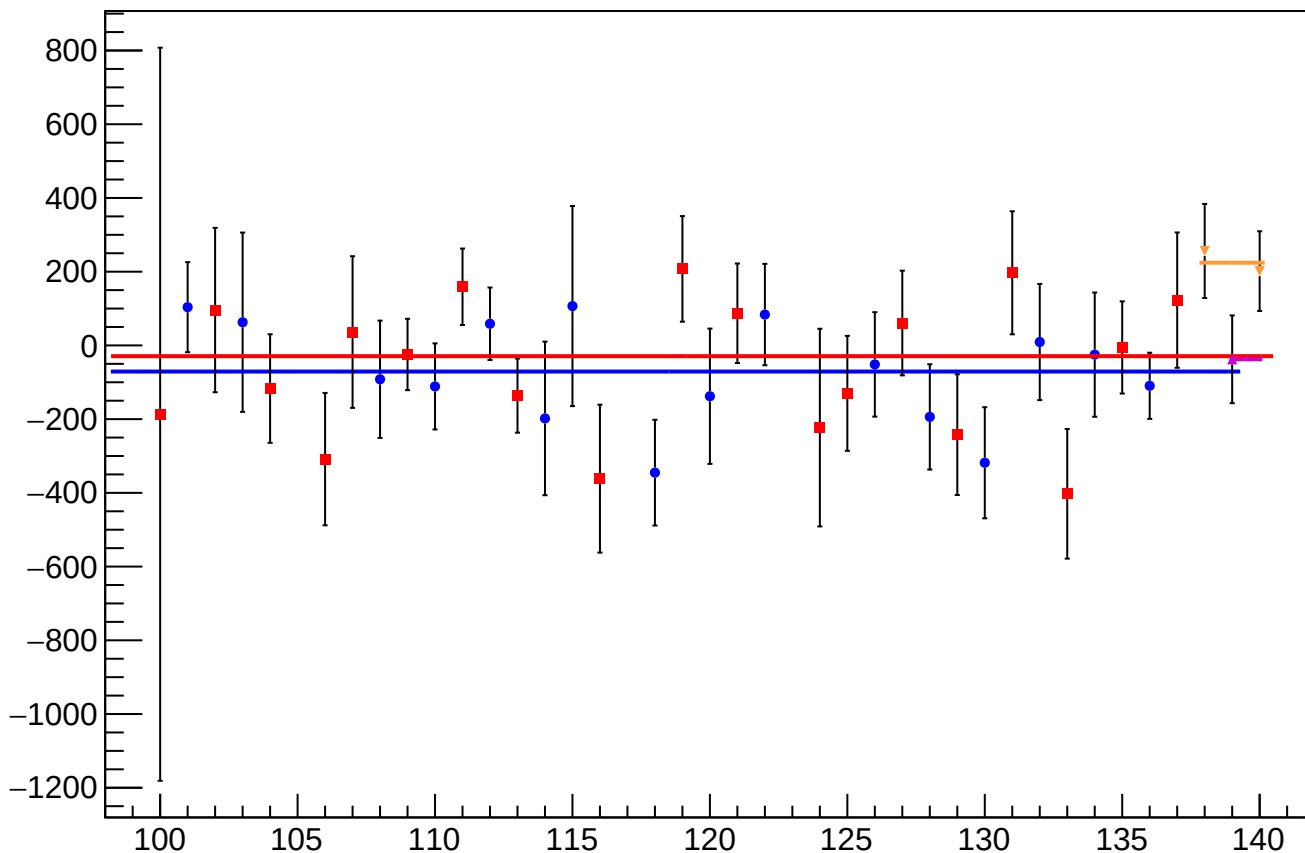
Left In: 1096.313+/-0.846 χ^2/NDF :0.0/0

+ sign 1017.073+/-0.253 χ^2/NDF : 1300316.9/17

All: 1033.482+/-0.184 χ^2/NDF : 2510998.6/37

- sign 1052.041+/-0.269 χ^2/NDF : 1201695.2/19

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF : 14.1/15

Left Out: 224.340+/-82.494 χ^2/NDF : 0.1/1

Right Out: -29.159+/-34.247 χ^2/NDF : 24.0/18

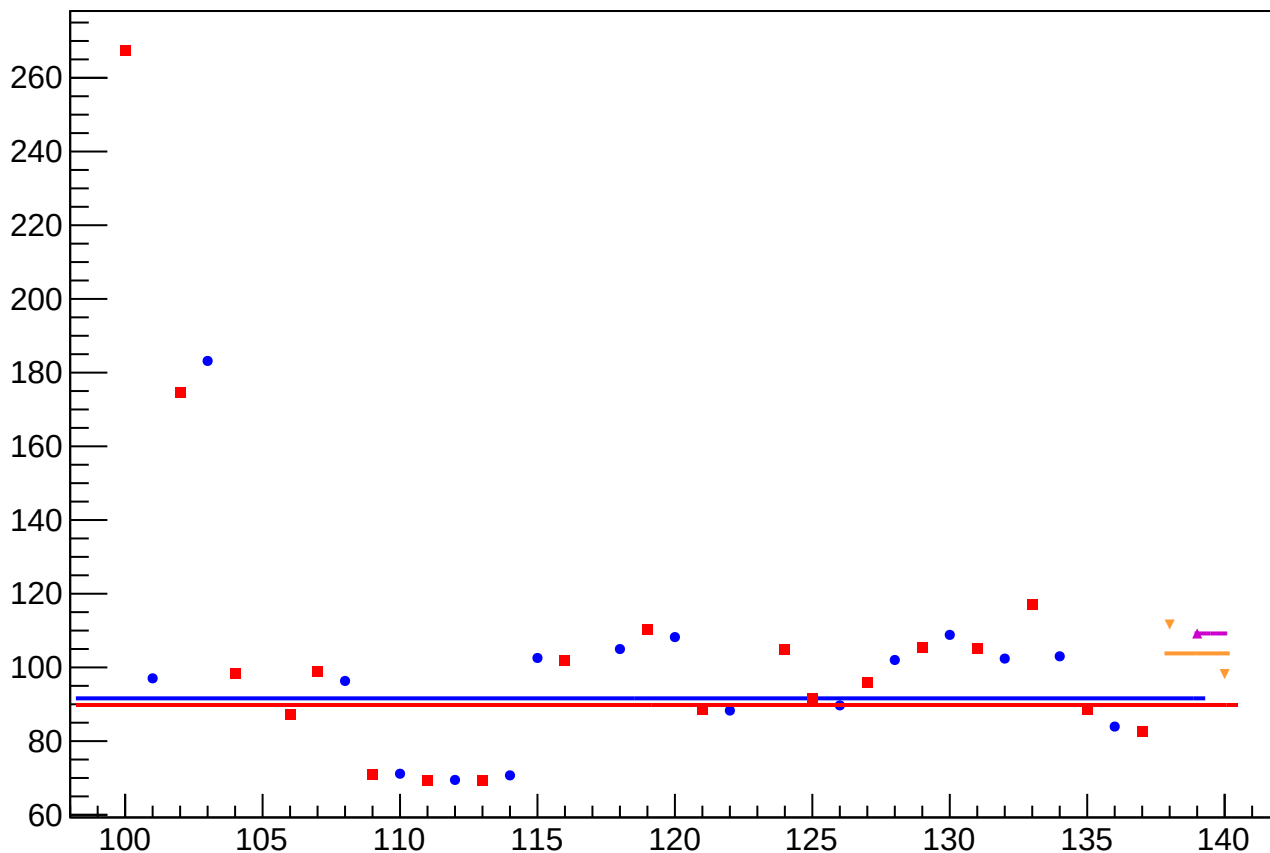
Left In: -37.658+/-119.038 χ^2/NDF : 0.0/0

+ sign -25.599+/-32.315 χ^2/NDF : 25.0/17

All: -27.665+/-23.058 χ^2/NDF : 49.0/37

- sign -29.809+/-32.912 χ^2/NDF : 24.0/19

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580675.9/15

Left Out: 103.804 $\pm$ 0.058 χ^2 /NDF: 12923.4/1

Right Out: 89.807 $\pm$ 0.024 χ^2 /NDF: 746833.4/18

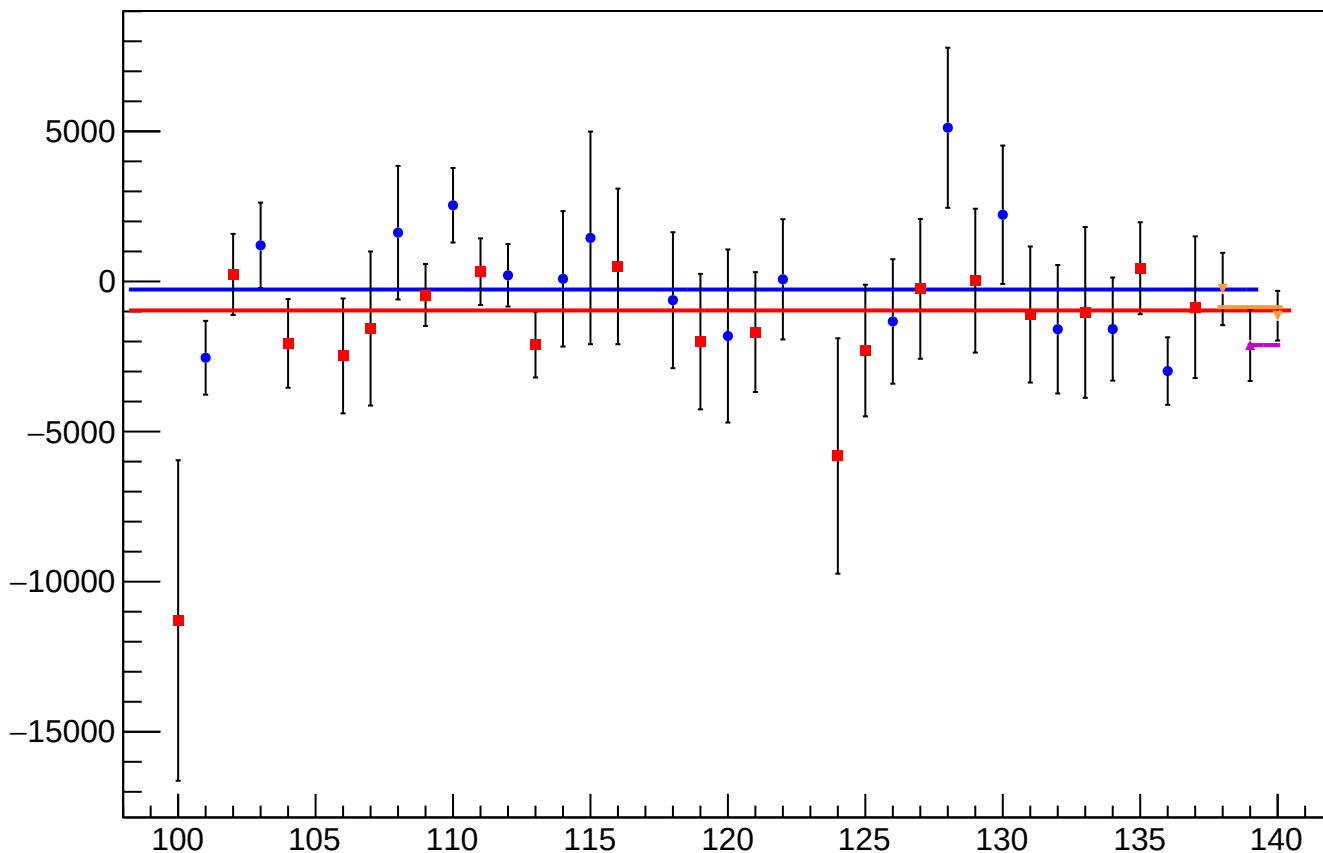
Left In: 109.217 $\pm$ 0.084 χ^2 /NDF: 0.0/0

+ sign 93.479 $\pm$ 0.023 χ^2 /NDF: 630605.0/17

All: 92.405 $\pm$ 0.016 χ^2 /NDF: 1431052.3/37

- sign 91.291 $\pm$ 0.023 χ^2 /NDF: 795943.9/19

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -268.506+/-419.581 χ^2/NDF : 23.4/15

Left Out: -855.675+/-681.862 χ^2/NDF : 0.4/1

Right Out: -964.986+/-401.633 χ^2/NDF : 12.1/18

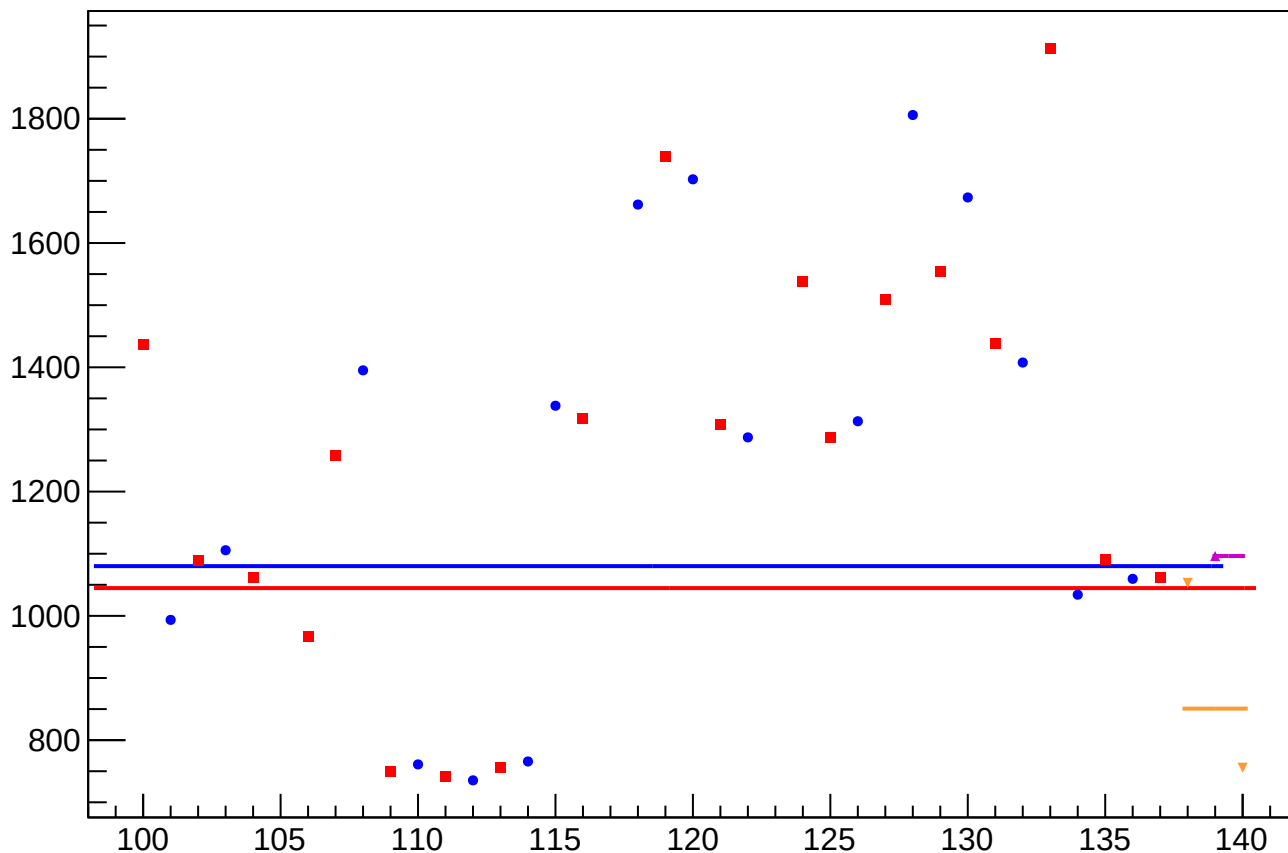
Left In: -2118.584+/-1195.873 χ^2/NDF : 0.0/0

+ sign -429.774+/-357.346 χ^2/NDF : 24.4/17

All: -735.201+/-260.558 χ^2/NDF : 38.9/37

- sign -1081.917+/-380.734 χ^2/NDF : 13.0/19

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF : 82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

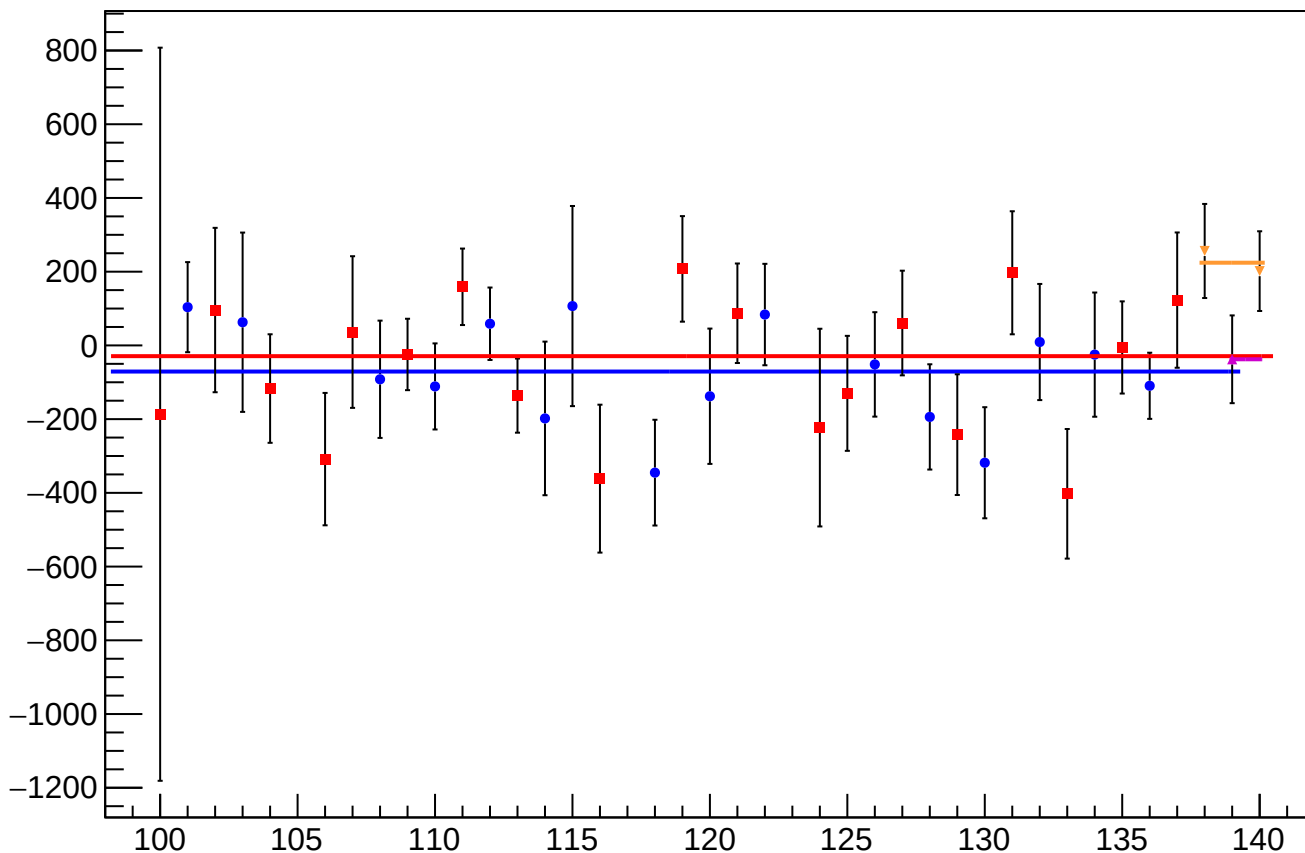
Left In: 1096.312+/-0.846 χ^2/NDF : 0.0/0

+ sign 1017.079+/-0.253 χ^2/NDF : 1300336.0/17

All: 1032.472+/-0.184 χ^2/NDF : 2513431.7/37

- sign 1049.946+/-0.269 χ^2/NDF : 1205171.4/19

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903 ± 35.122 $\chi^2/\text{NDF}: 14.1/15$

Left Out: 224.340 ± 82.494 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -29.159 ± 34.247 $\chi^2/\text{NDF}: 24.0/18$

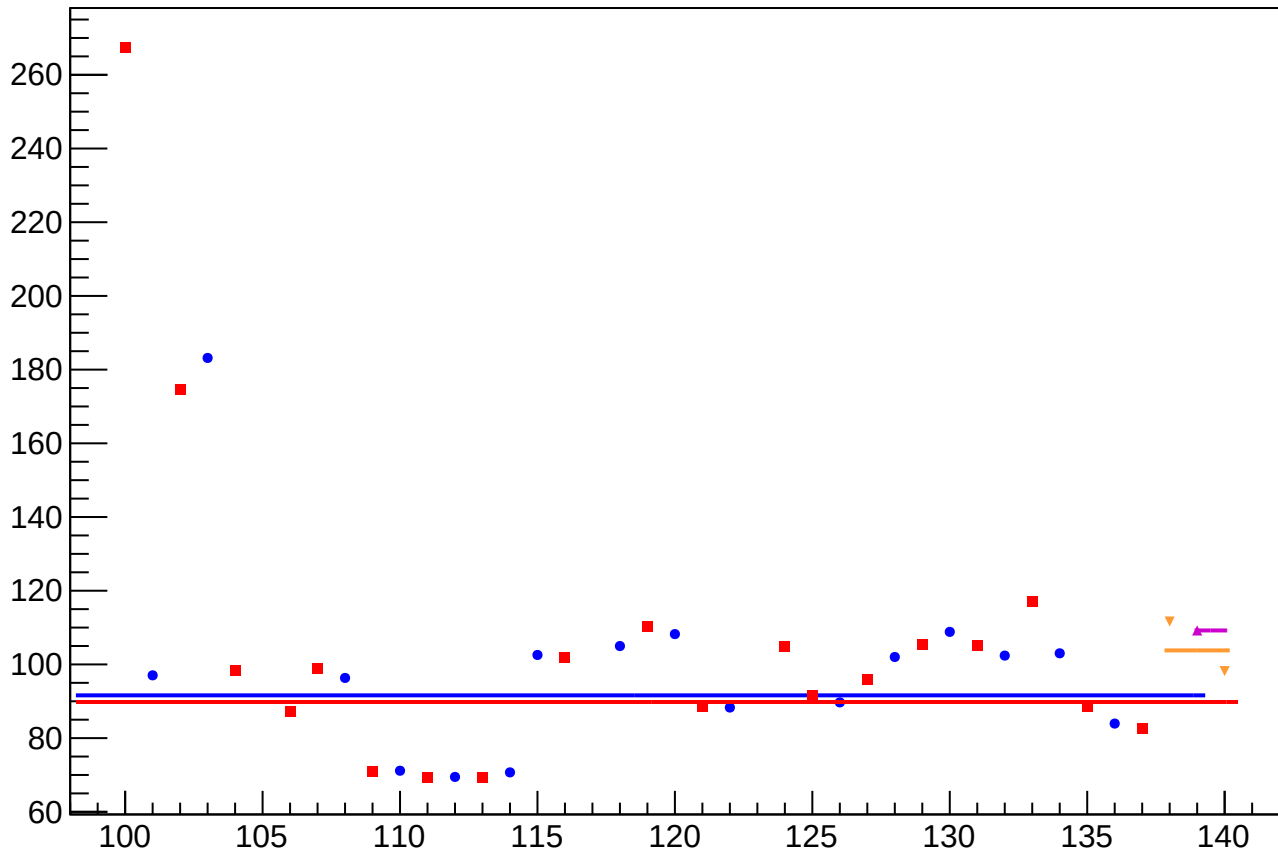
Left In: -37.658 ± 119.038 $\chi^2/\text{NDF}: 0.0/0$

+ sign -25.599 ± 32.315 $\chi^2/\text{NDF}: 25.0/17$

All: -27.665 ± 23.058 $\chi^2/\text{NDF}: 49.0/37$

- sign -29.809 ± 32.912 $\chi^2/\text{NDF}: 24.0/19$

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF : 580675.9/15

Left Out: 103.804+/-0.058 χ^2/NDF : 12923.4/1

Right Out: 89.807+/-0.024 χ^2/NDF : 746833.4/18

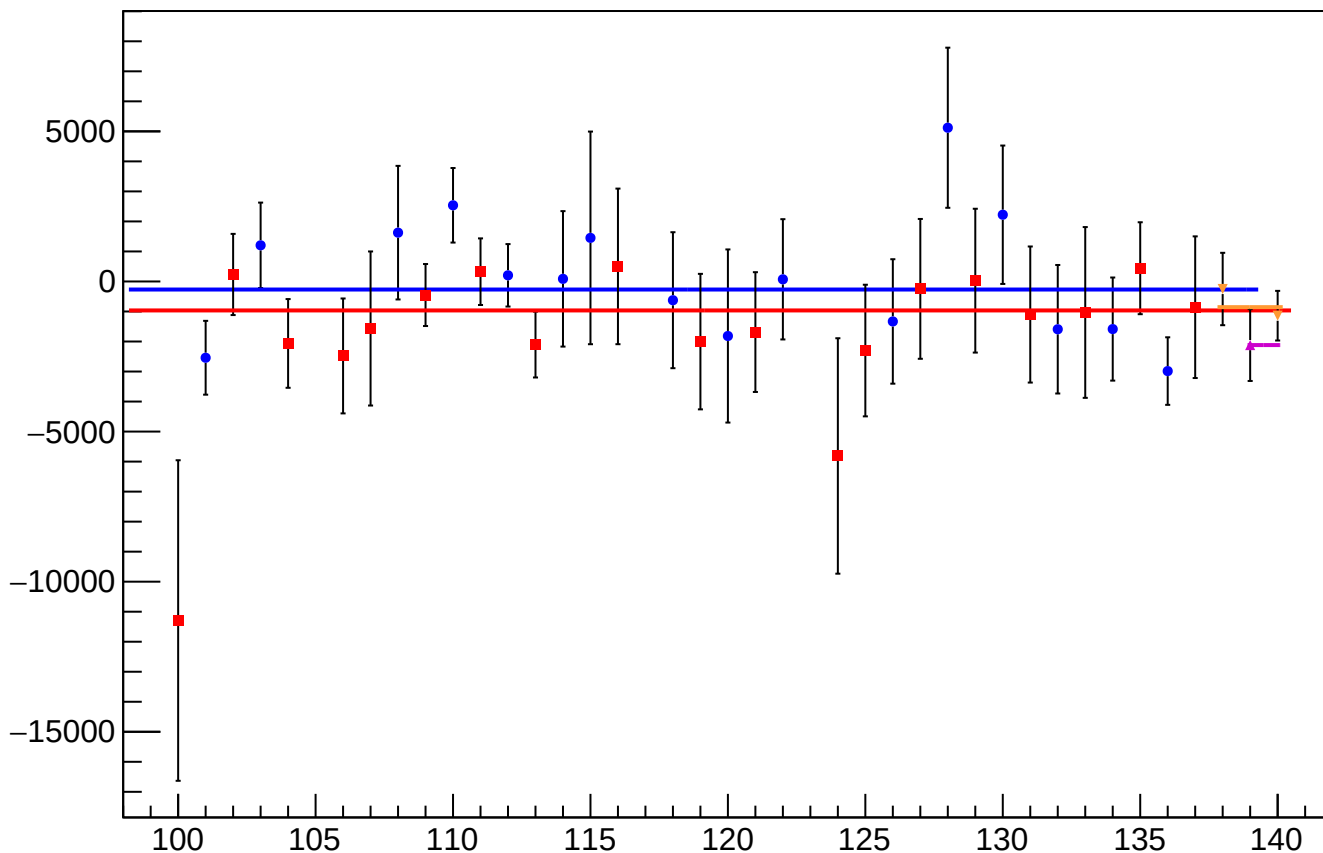
Left In: 109.217+/-0.084 χ^2/NDF : 0.0/0

+ sign 93.479+/-0.023 χ^2/NDF : 630605.0/17

All: 92.405+/-0.016 χ^2/NDF : 1431052.3/37

- sign 91.291+/-0.023 χ^2/NDF : 795943.9/19

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -268.506 $\pm$ 419.581 χ^2 /NDF: 23.4/15

Left Out: -855.675 $\pm$ 681.862 χ^2 /NDF:0.4/1

Right Out: -964.986 $\pm$ 401.633 χ^2 /NDF: 12.1/18

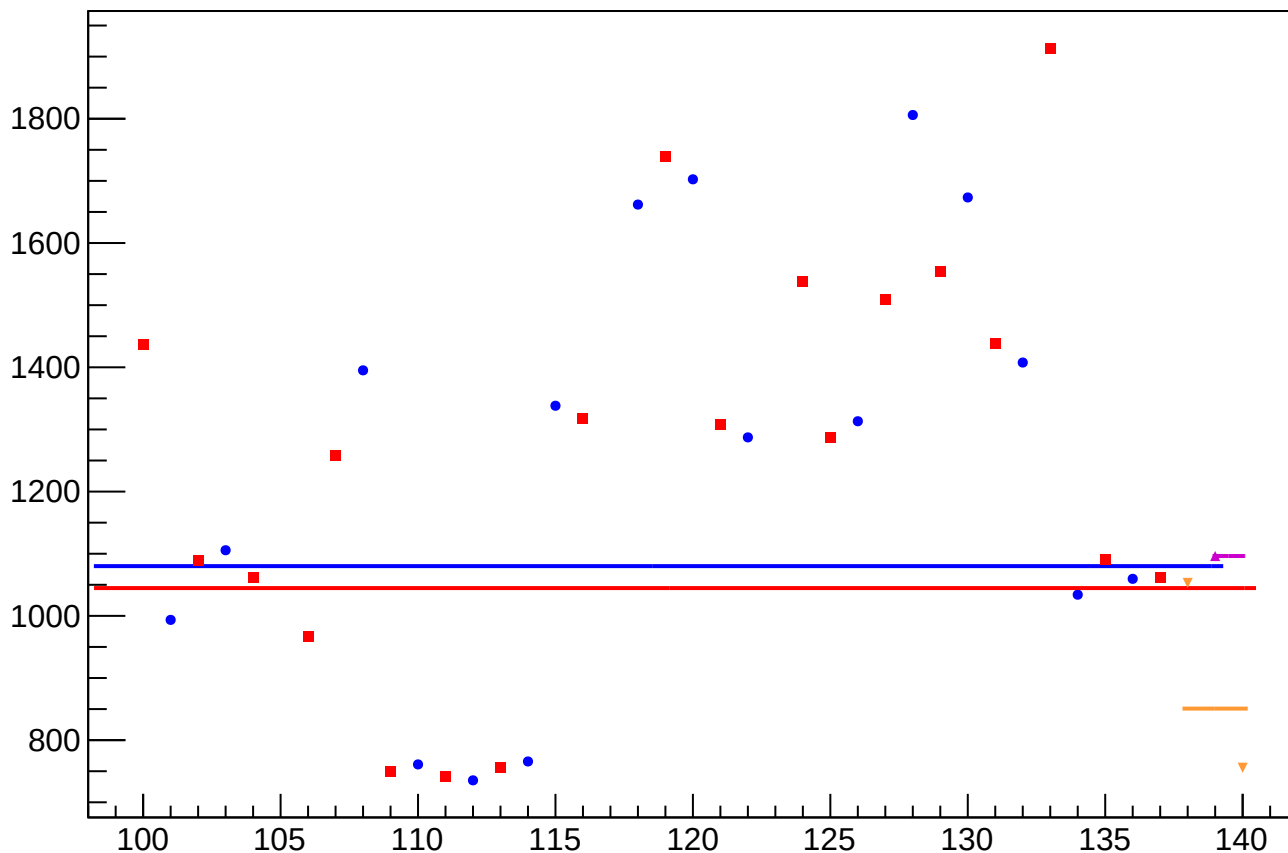
Left In: -2118.584 $\pm$ 1195.873 χ^2 /NDF:0.0/0

+ sign -429.774 $\pm$ 357.346 χ^2 /NDF: 24.4/17

All: -735.201 $\pm$ 260.558 χ^2 /NDF: 38.9/37

- sign -1081.917 $\pm$ 380.734 χ^2 /NDF: 13.0/19

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF : 82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

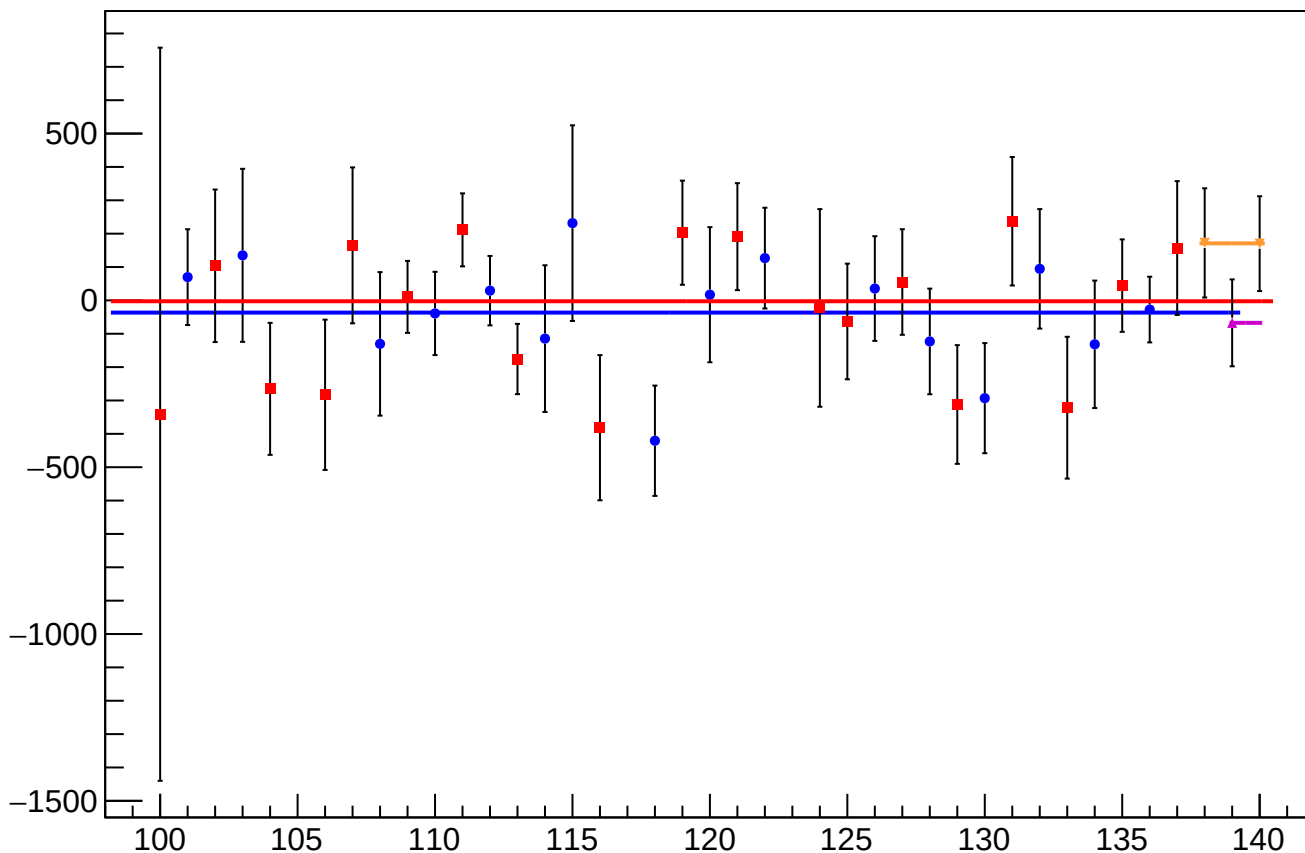
Left In: 1096.312+/-0.846 χ^2/NDF : 0.0/0

+ sign 1017.079+/-0.253 χ^2/NDF : 1300336.0/17

All: 1032.472+/-0.184 χ^2/NDF : 2513431.7/37

- sign 1049.946+/-0.269 χ^2/NDF : 1205171.4/19

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 170.972 ± 107.289 χ^2/NDF : 0.0/1

Right Out: -2.568 ± 38.165 χ^2/NDF : 24.7/18

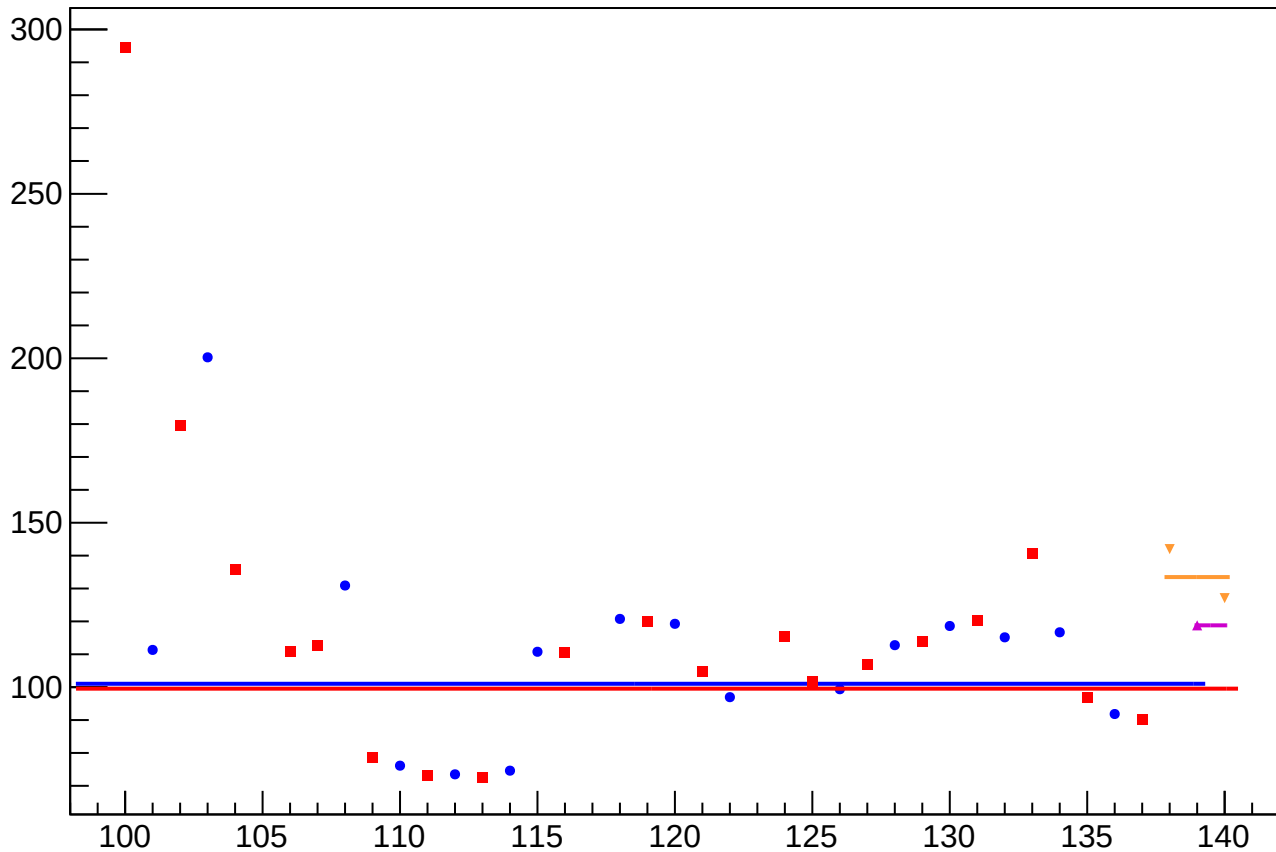
Left In: -67.295 ± 130.243 χ^2/NDF : 0.0/0

+ sign -12.375 ± 36.646 χ^2/NDF : 16.2/17

All: -10.029 ± 25.905 χ^2/NDF : 41.2/37

- sign -7.686 ± 36.625 χ^2/NDF : 25.0/19

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF : 716095.9/15

Left Out: 133.478+/-0.076 χ^2/NDF : 9459.3/1

Right Out: 99.547+/-0.027 χ^2/NDF : 880497.8/18

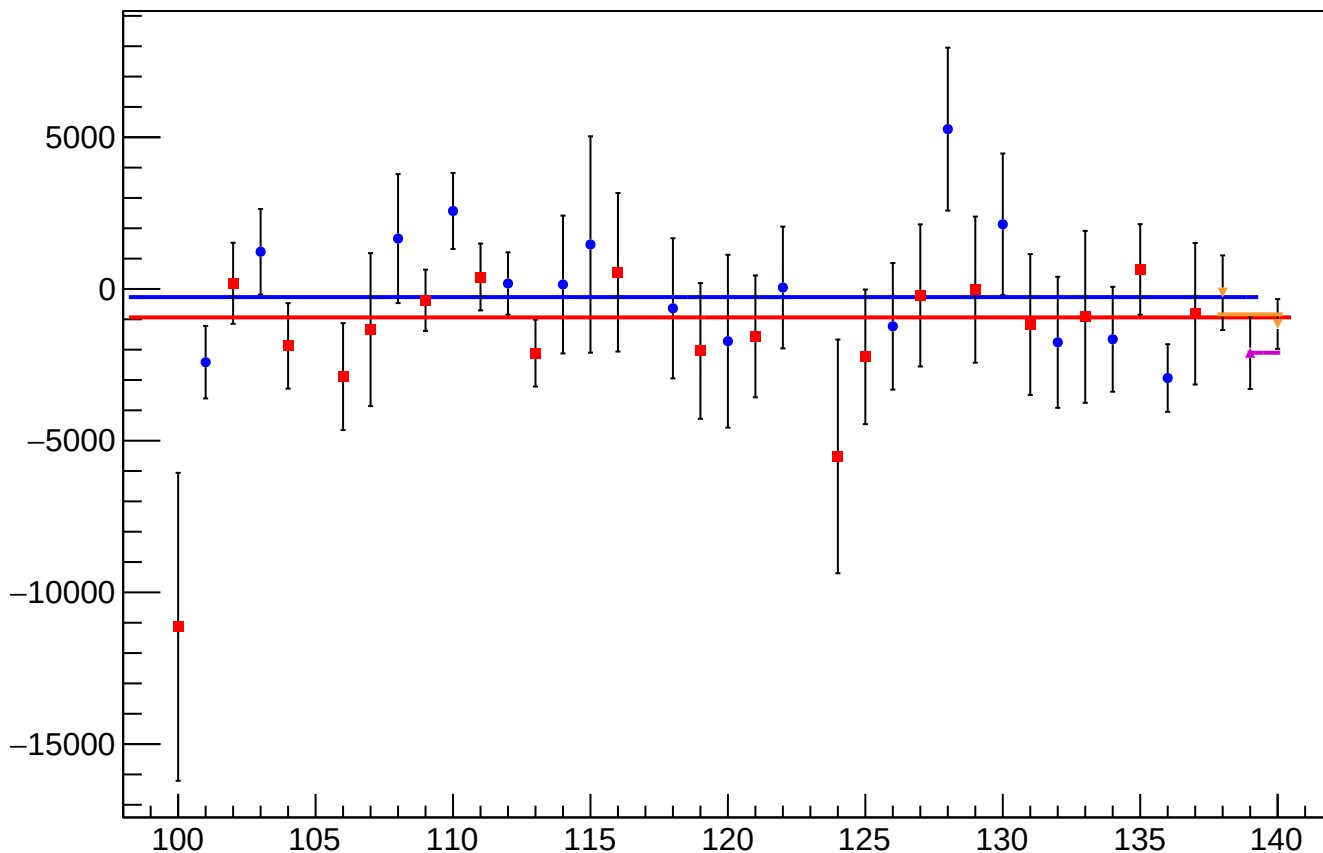
Left In: 118.798+/-0.092 χ^2/NDF : 0.0/0

+ sign 104.817+/-0.026 χ^2/NDF : 887133.8/17

All: 102.942+/-0.018 χ^2/NDF : 1818333.6/37

- sign 101.069+/-0.026 χ^2/NDF : 920738.0/19

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF : 23.5/15

Left Out: -837.031+/-682.097 χ^2/NDF : 0.5/1

Right Out: -936.734+/-396.234 χ^2/NDF : 13.1/18

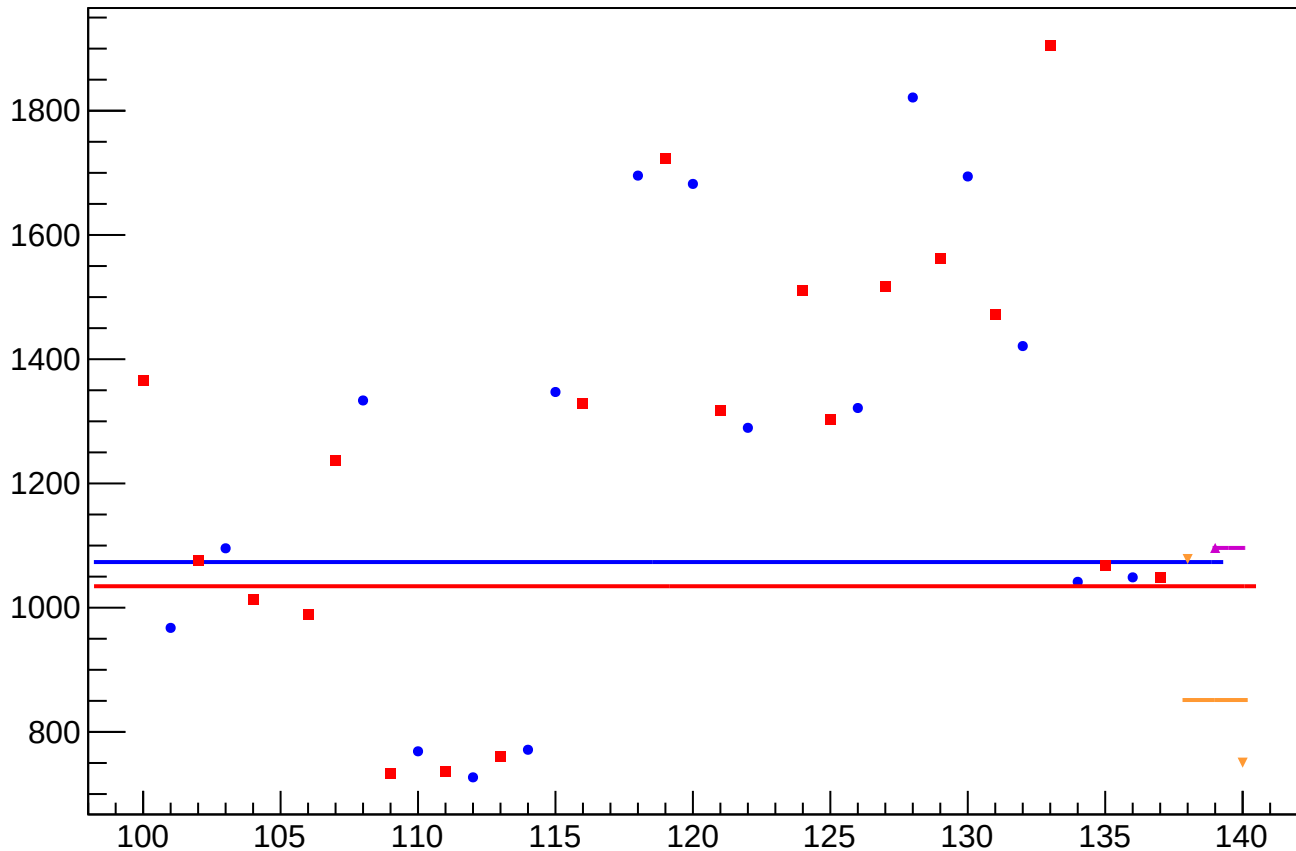
Left In: -2101.359+/-1196.488 χ^2/NDF : 0.0/0

+ sign -422.763+/-355.819 χ^2/NDF : 24.5/17

All: -719.844+/-258.489 χ^2/NDF : 39.9/37

- sign -1051.835+/-376.145 χ^2/NDF : 14.0/19

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF : 1077055.9/15

Left Out: 851.360+/-0.482 χ^2/NDF : 98382.3/1

Right Out: 1034.535+/-0.280 χ^2/NDF : 1229344.1/18

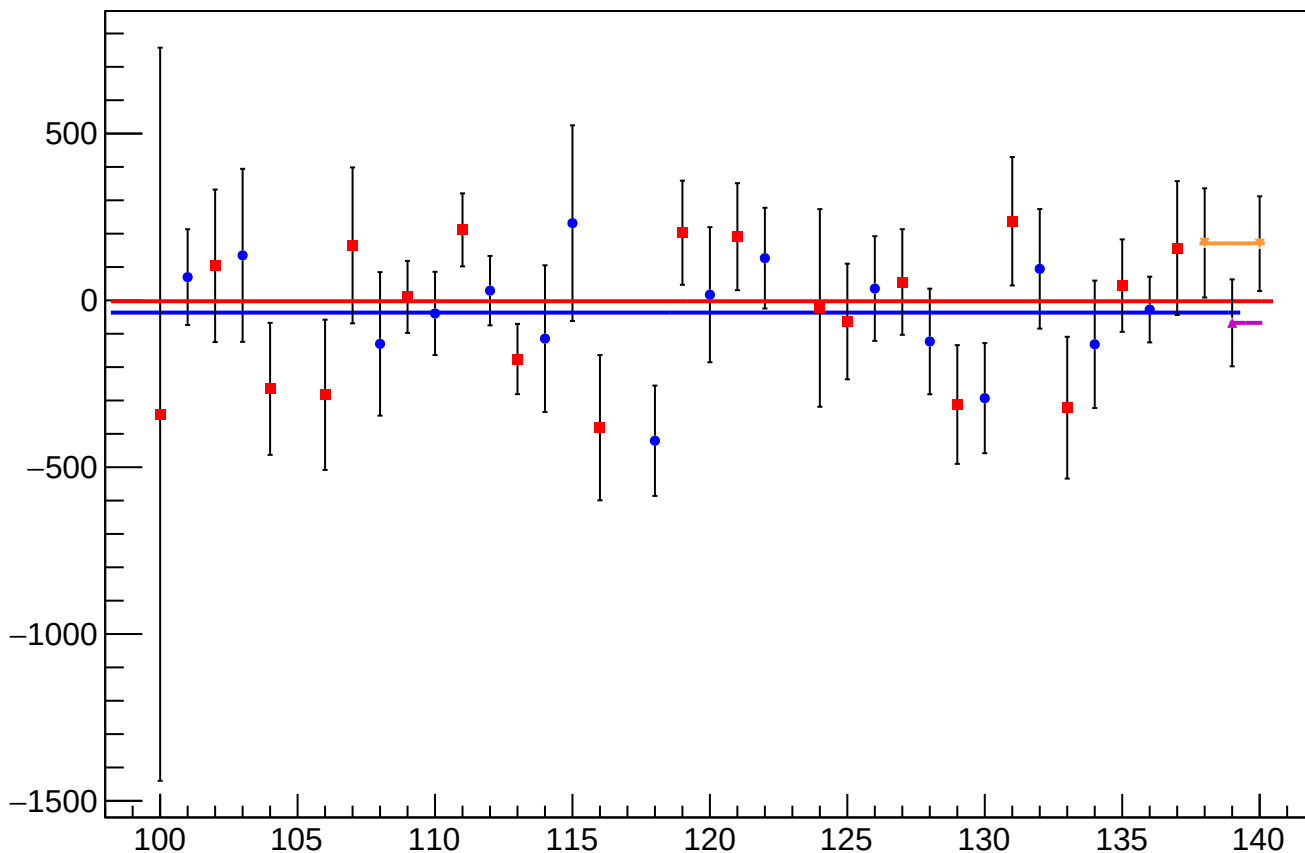
Left In: 1096.198+/-0.846 χ^2/NDF : 0.0/0

+ sign 1013.018+/-0.252 χ^2/NDF : 1329777.8/17

All: 1026.057+/-0.183 χ^2/NDF : 2569596.4/37

- sign 1040.629+/-0.266 χ^2/NDF : 1234131.2/19

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 170.974 ± 107.289 χ^2/NDF : 0.0/1

Right Out: -2.566 ± 38.165 χ^2/NDF : 24.7/18

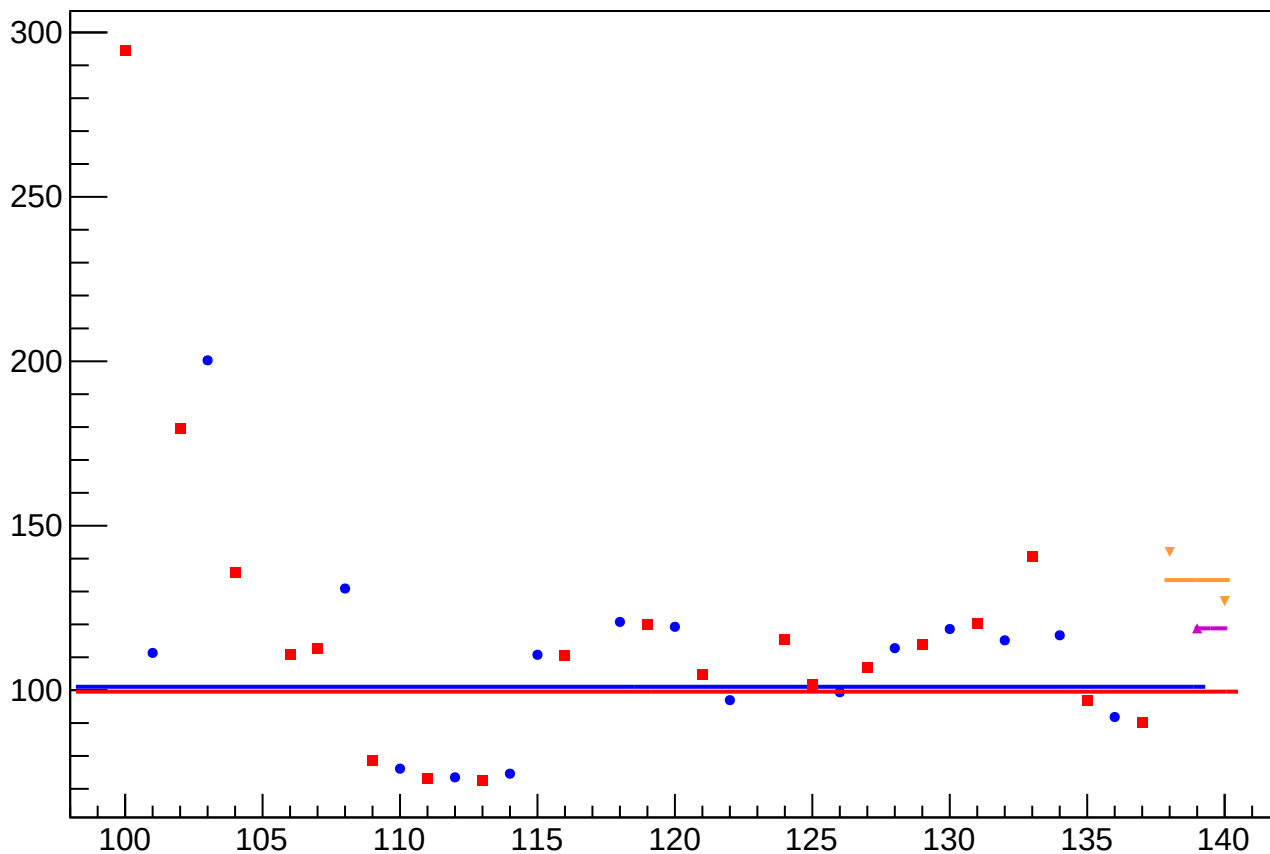
Left In: -67.293 ± 130.243 χ^2/NDF : 0.0/0

+ sign -12.374 ± 36.646 χ^2/NDF : 16.2/17

All: -10.028 ± 25.905 χ^2/NDF : 41.2/37

- sign -7.684 ± 36.625 χ^2/NDF : 25.0/19

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031 $\pm$ 0.028 χ^2 /NDF: 716094.5/15

Left Out: 133.478 $\pm$ 0.076 χ^2 /NDF: 9458.2/1

Right Out: 99.547 $\pm$ 0.027 χ^2 /NDF: 880499.8/18

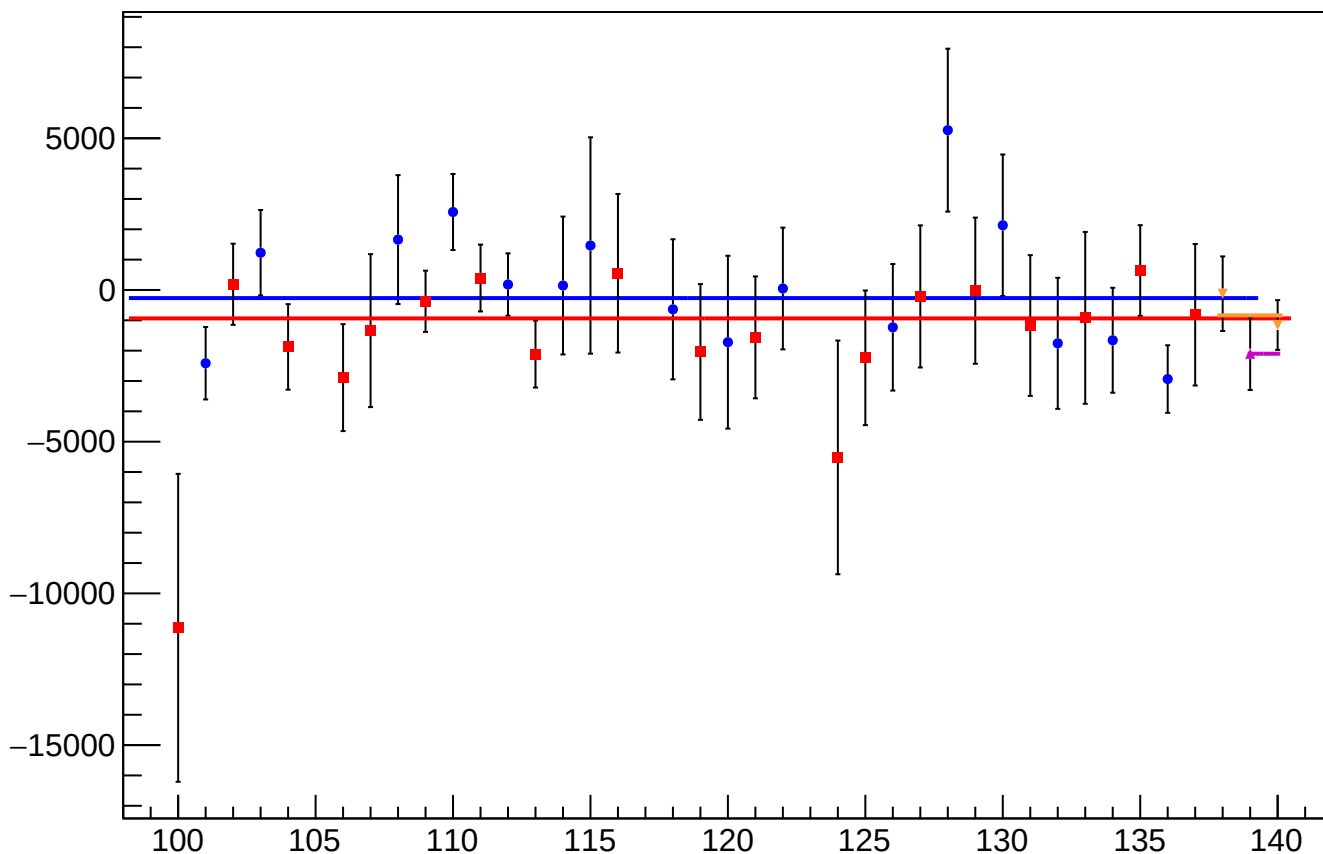
Left In: 118.798 $\pm$ 0.092 χ^2 /NDF: 0.0/0

+ sign 104.817 $\pm$ 0.026 χ^2 /NDF: 887132.0/17

All: 102.942 $\pm$ 0.018 χ^2 /NDF: 1818333.1/37

- sign 101.070 $\pm$ 0.026 χ^2 /NDF: 920739.3/19

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -267.885+/-417.061 χ^2/NDF : 23.5/15

Left Out: -837.030+/-682.095 χ^2/NDF : 0.5/1

Right Out: -936.732+/-396.234 χ^2/NDF : 13.1/18

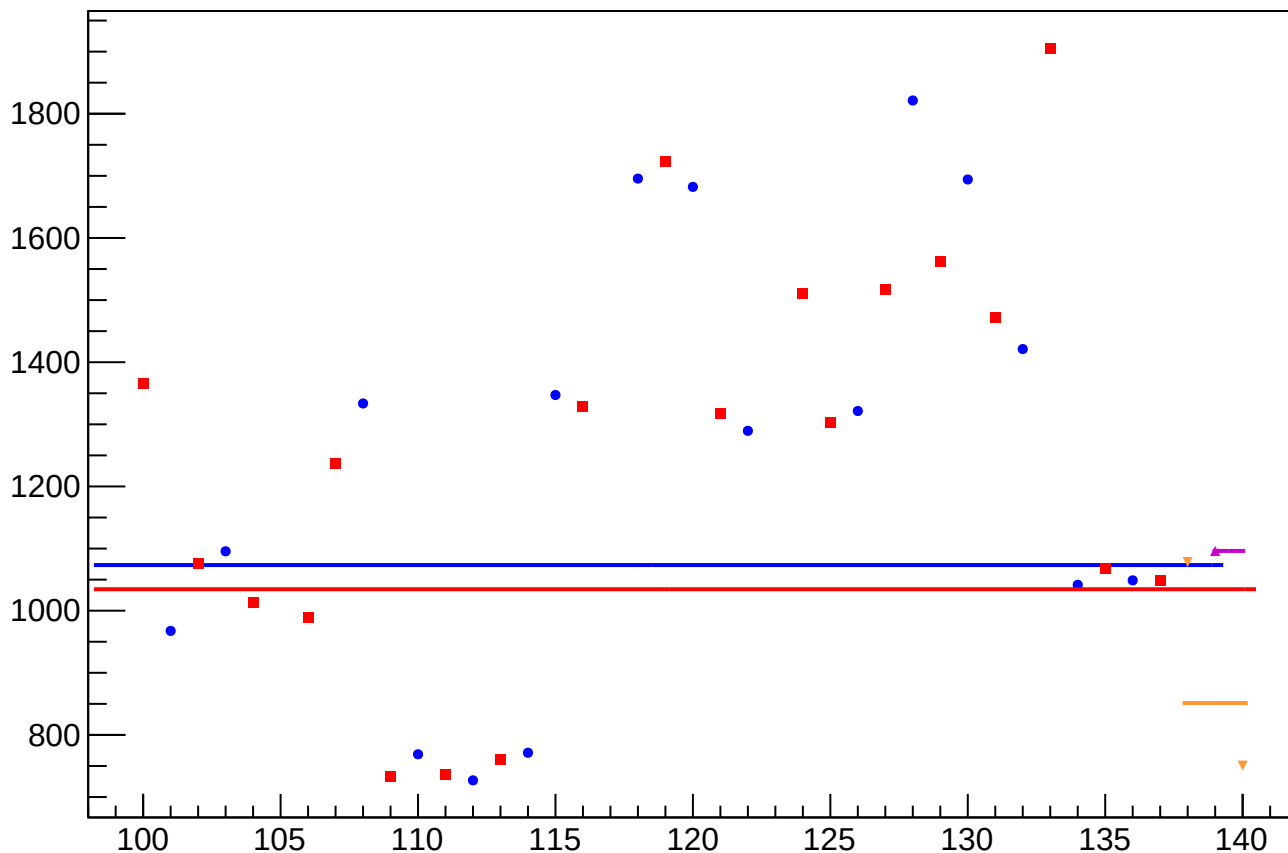
Left In: -2101.360+/-1196.487 χ^2/NDF : 0.0/0

+ sign -422.762+/-355.818 χ^2/NDF : 24.5/17

All: -719.842+/-258.489 χ^2/NDF : 39.9/37

- sign -1051.833+/-376.144 χ^2/NDF : 14.0/19

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1073.454+/-0.295 χ^2/NDF : 1077061.8/15

Left Out: 851.358+/-0.482 χ^2/NDF :98382.5/1

Right Out: 1034.533+/-0.280 χ^2/NDF : 1229346.7/18

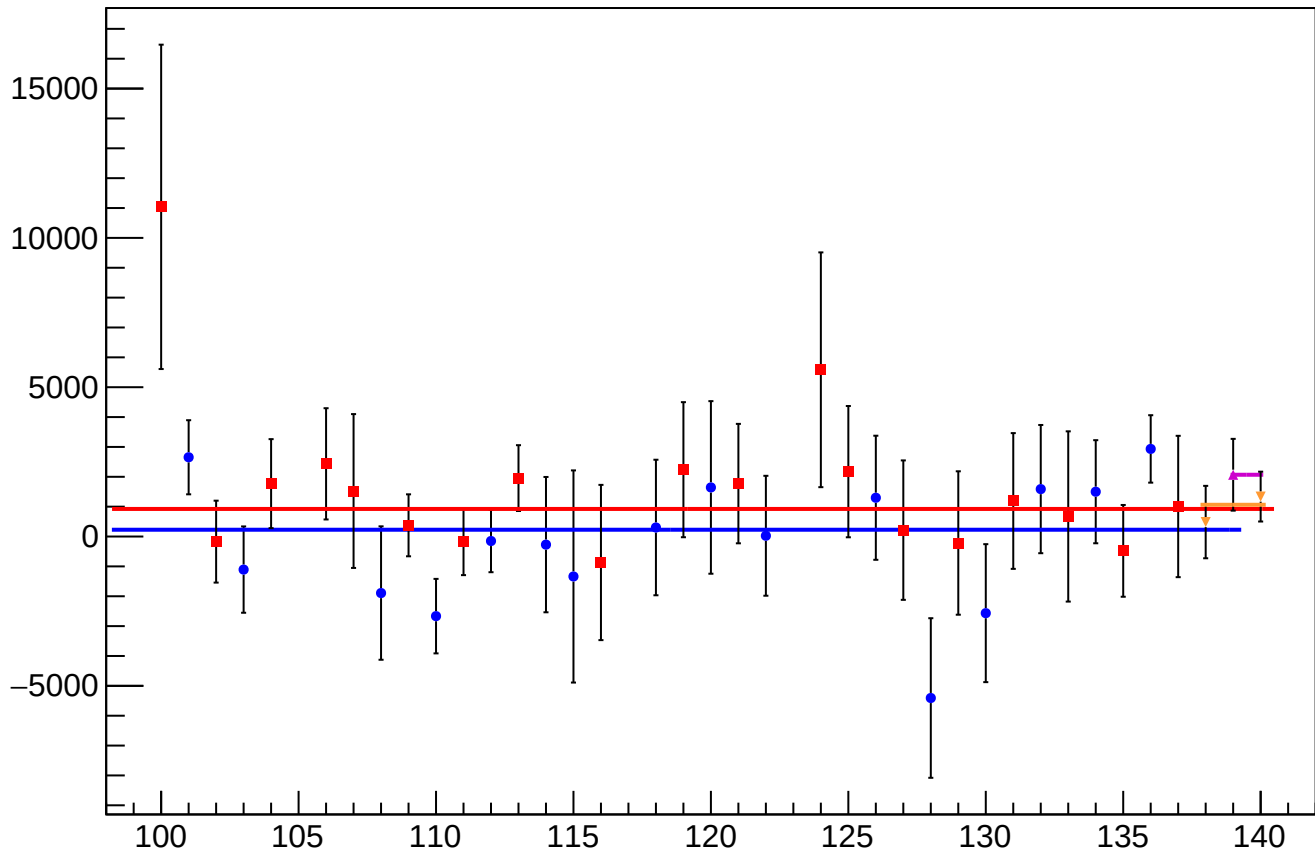
Left In: 1096.197+/-0.846 χ^2/NDF :0.0/0

+ sign 1013.016+/-0.252 χ^2/NDF : 1329784.3/17

All: 1026.056+/-0.183 χ^2/NDF : 2569605.8/37

- sign 1040.628+/-0.266 χ^2/NDF : 1234133.9/19

asym_sam_3748_avg_mean vs Slug



Right In: 227.502 $\pm$ 421.838 χ^2 /NDF: 24.4/15

Left Out: 1063.058 $\pm$ 687.248 χ^2 /NDF: 0.3/1

Right Out: 923.649 $\pm$ 403.102 χ^2 /NDF: 11.2/18

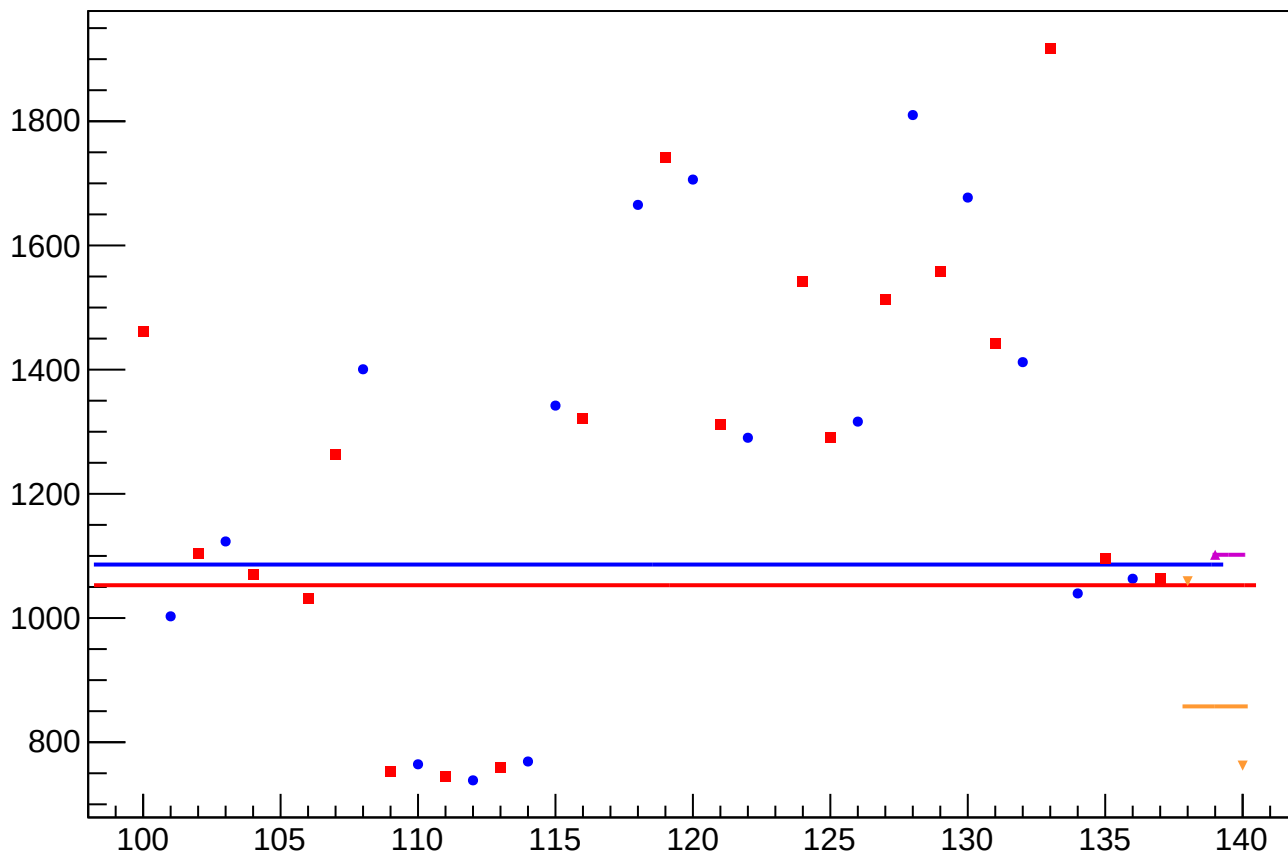
Left In: 2068.333 $\pm$ 1201.898 χ^2 /NDF: 0.0/0

+ sign 456.158 $\pm$ 359.514 χ^2 /NDF: 25.9/17

All: 729.967 $\pm$ 261.861 χ^2 /NDF: 39.1/37

- sign 1039.389 $\pm$ 382.180 χ^2 /NDF: 12.0/19

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF : 1047479.6/15

Left Out: 857.700+/-0.486 χ^2/NDF :81363.2/1

Right Out: 1052.831+/-0.285 χ^2/NDF : 1194420.8/18

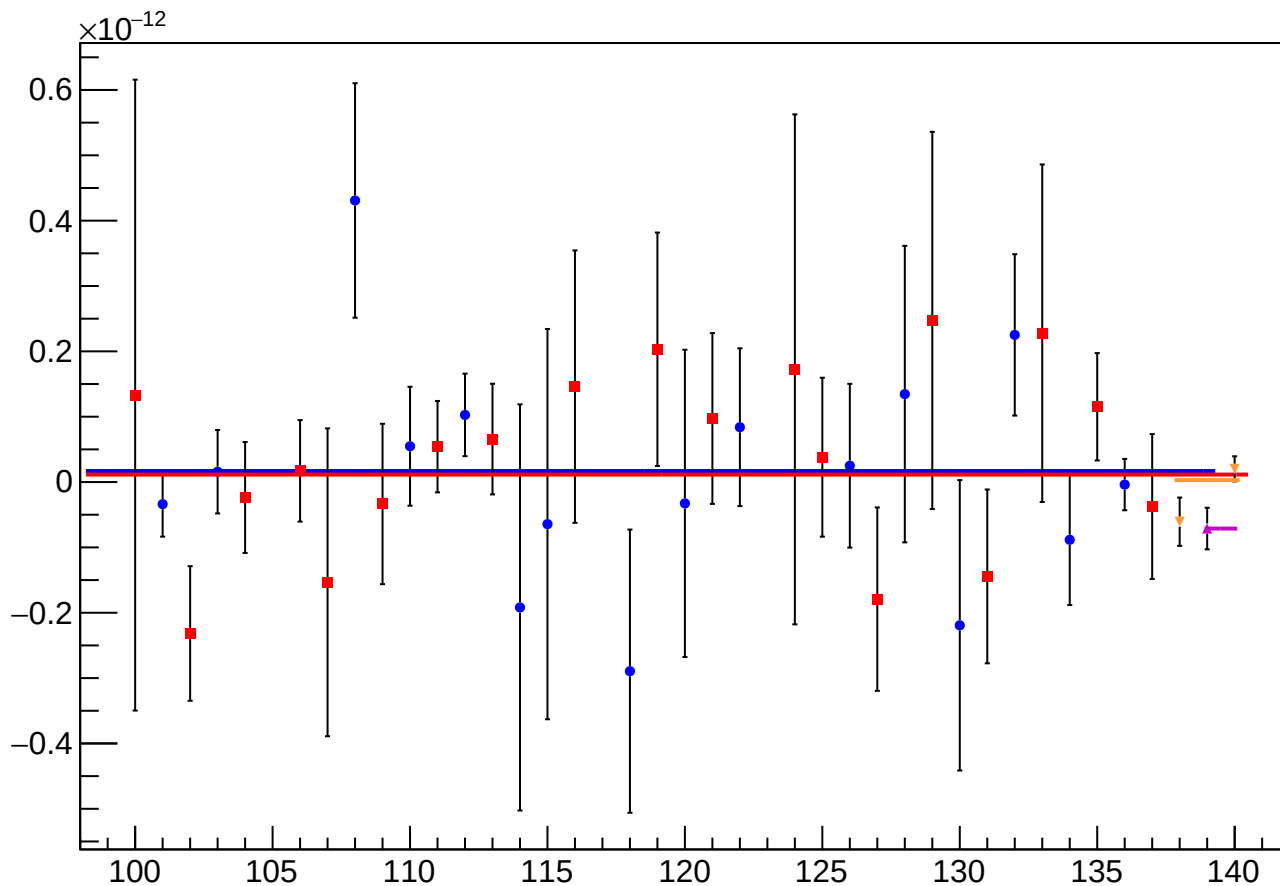
Left In: 1101.870+/-0.850 χ^2/NDF :0.0/0

+ sign 1023.624+/-0.254 χ^2/NDF : 1289344.1/17

All: 1039.663+/-0.185 χ^2/NDF : 2495237.4/37

- sign 1057.789+/-0.270 χ^2/NDF : 1197413.7/19

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/18

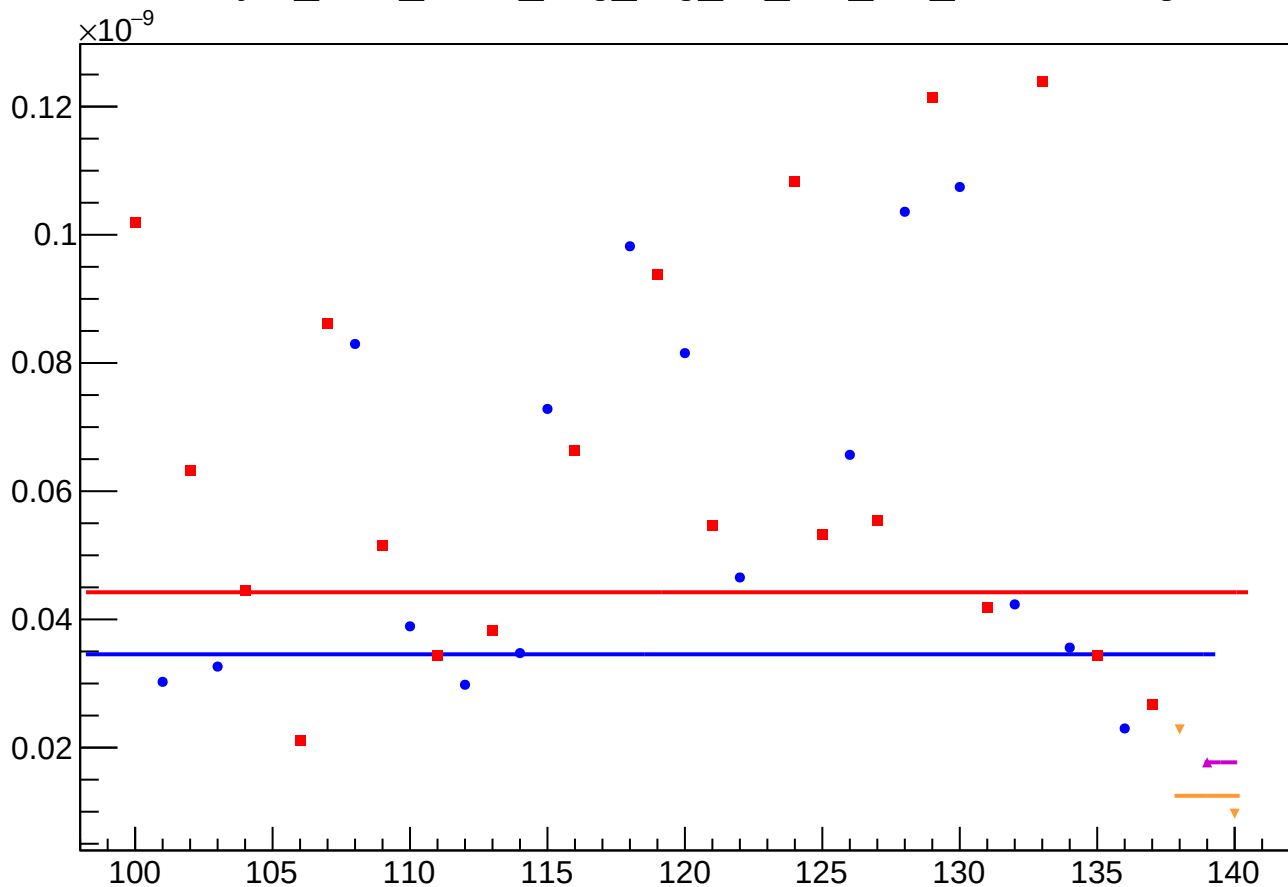
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.3/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/19

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 199210.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1073061.4/18

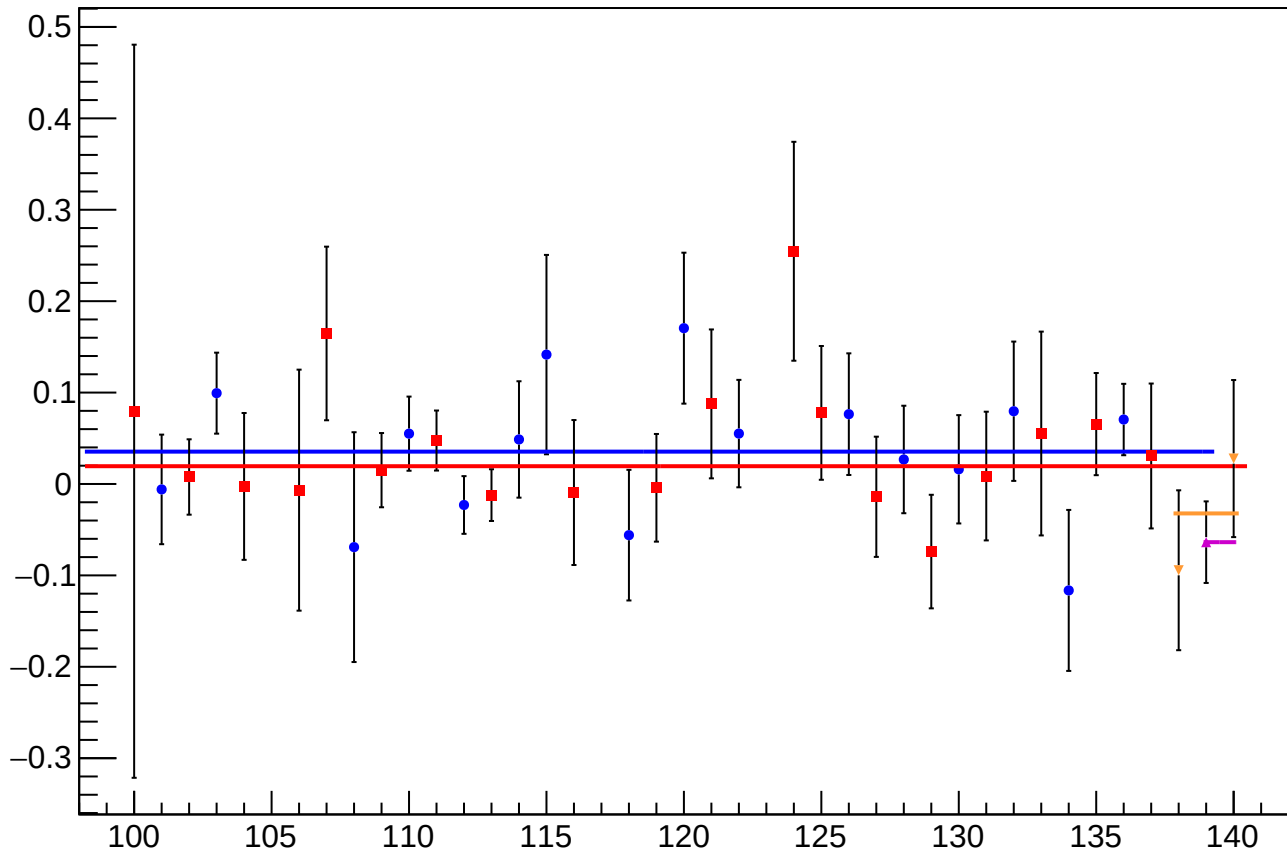
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2659165.8/17

All: 0.000+/-0.000 χ^2/NDF : 5048067.0/37

- sign 0.000+/-0.000 χ^2/NDF : 1883582.5/19

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: -0.032 $\pm$ 0.061 χ^2 /NDF: 1.0/1

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

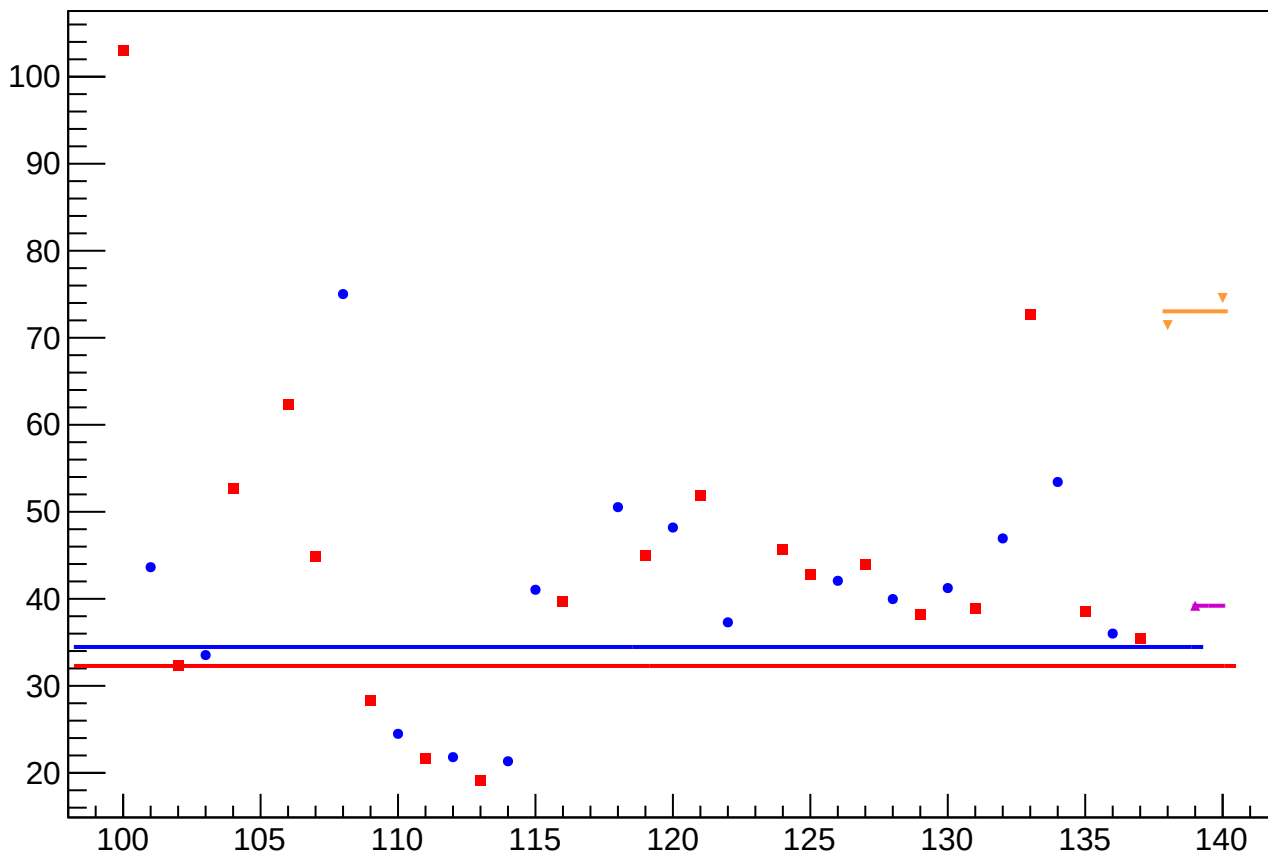
Left In: -0.064 $\pm$ 0.045 χ^2 /NDF: 0.0/0

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.022 $\pm$ 0.009 χ^2 /NDF: 36.8/37

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.6/19

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468 $\pm$ 0.010 χ^2 /NDF: 1171203.3/15

Left Out: 73.039 $\pm$ 0.043 χ^2 /NDF: 1297.0/1

Right Out: 32.285 $\pm$ 0.009 χ^2 /NDF: 1672637.0/18

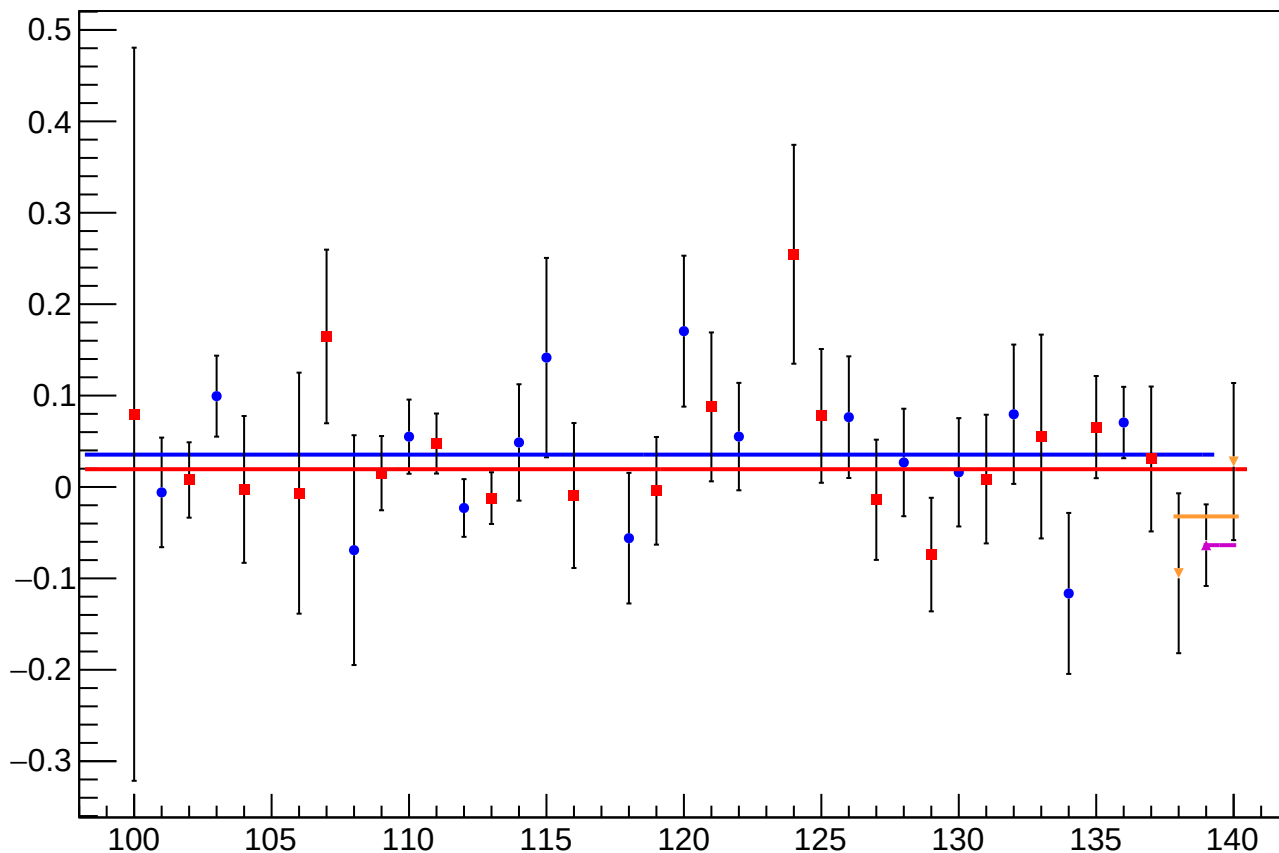
Left In: 39.208 $\pm$ 0.032 χ^2 /NDF: 0.0/0

+ sign 36.352 $\pm$ 0.010 χ^2 /NDF: 1925720.6/17

All: 34.465 $\pm$ 0.007 χ^2 /NDF: 3714951.6/37

- sign 32.836 $\pm$ 0.009 χ^2 /NDF: 1716935.3/19

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: -0.032 $\pm$ 0.061 χ^2 /NDF: 1.0/1

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

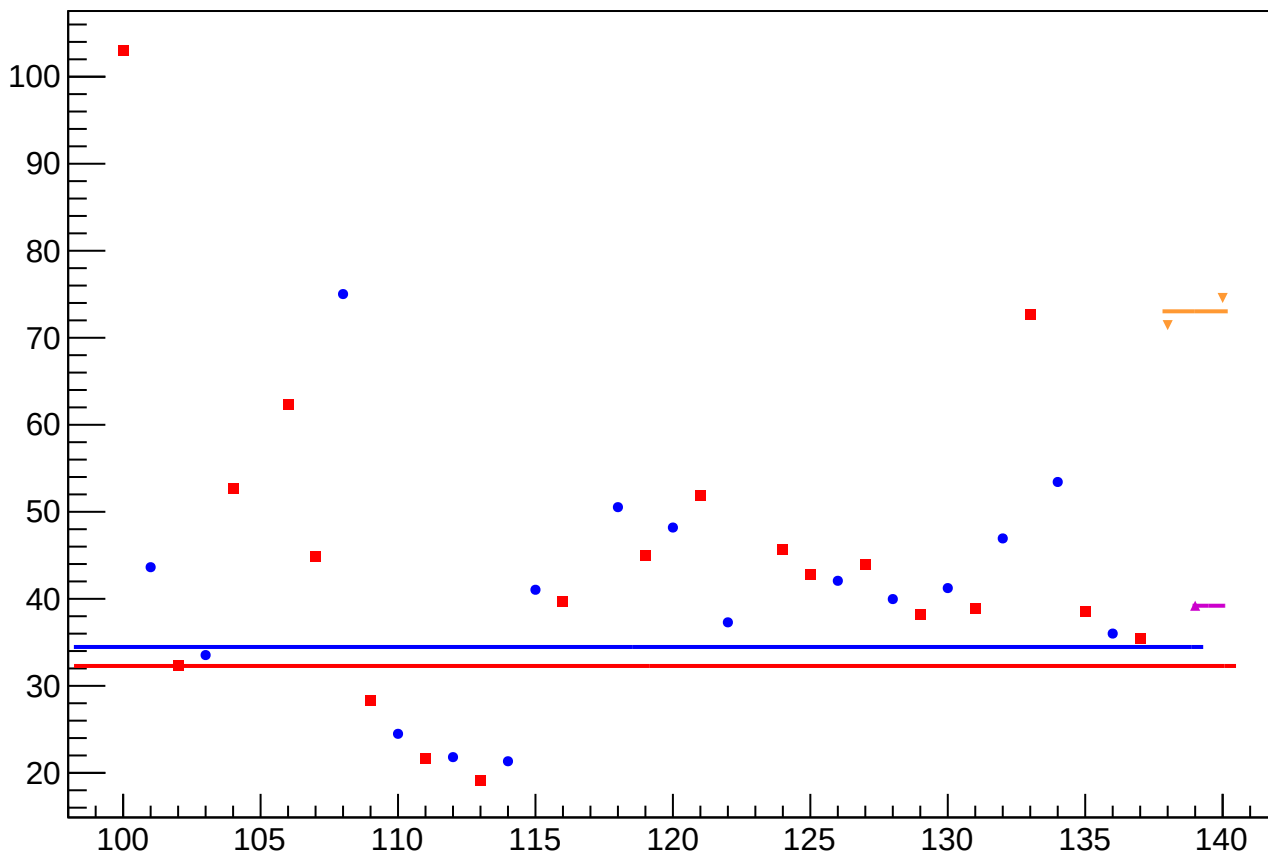
Left In: -0.064 $\pm$ 0.045 χ^2 /NDF: 0.0/0

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.022 $\pm$ 0.009 χ^2 /NDF: 36.8/37

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.6/19

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.468 $\pm$ 0.010 χ^2 /NDF: 1171203.3/15

Left Out: 73.039 $\pm$ 0.043 χ^2 /NDF:1297.0/1

Right Out: 32.285 $\pm$ 0.009 χ^2 /NDF: 1672637.0/18

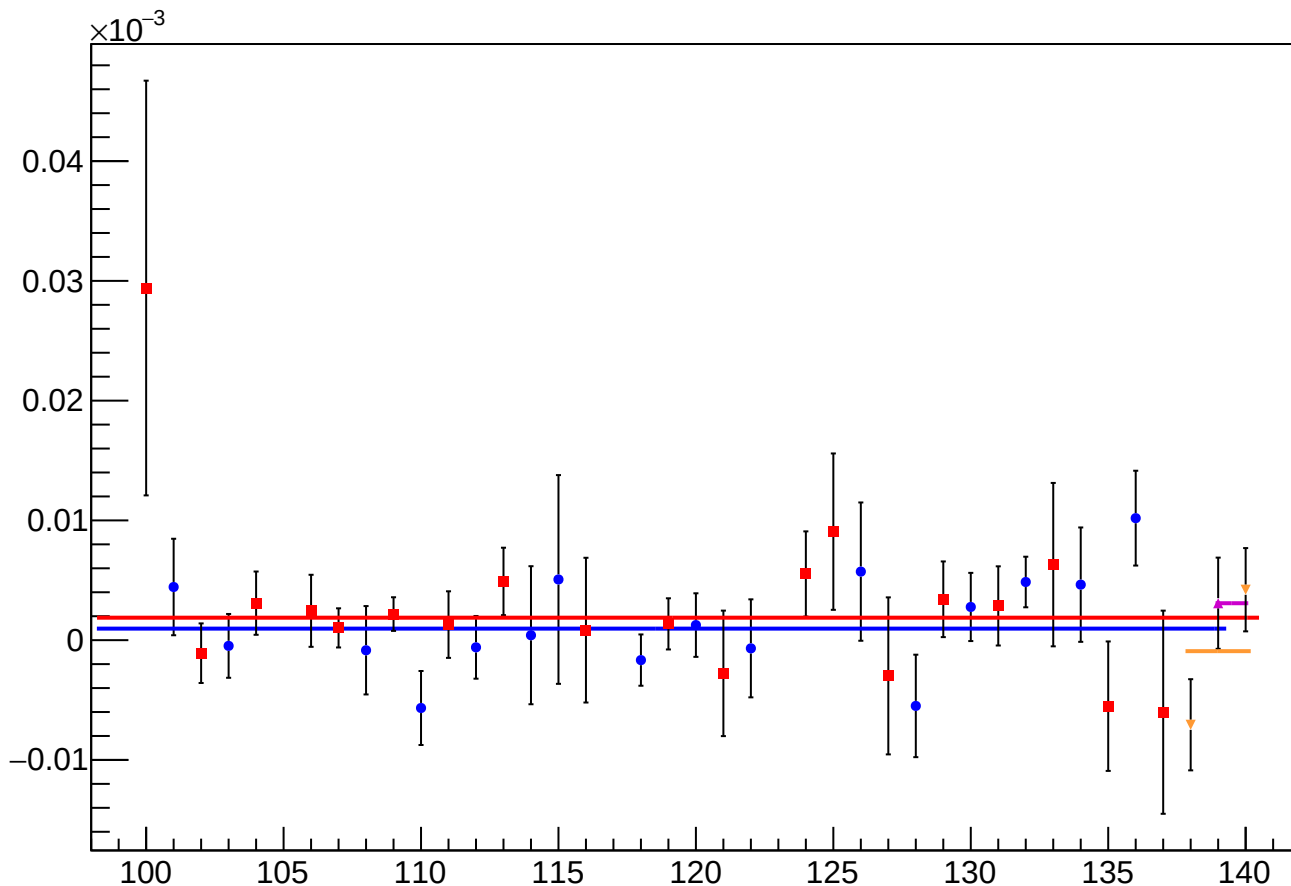
Left In: 39.208 $\pm$ 0.032 χ^2 /NDF:0.0/0

+ sign 36.352 $\pm$ 0.010 χ^2 /NDF: 1925720.6/17

All: 34.465 $\pm$ 0.007 χ^2 /NDF: 3714951.6/37

- sign 32.836 $\pm$ 0.009 χ^2 /NDF: 1716935.3/19

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:4.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/18

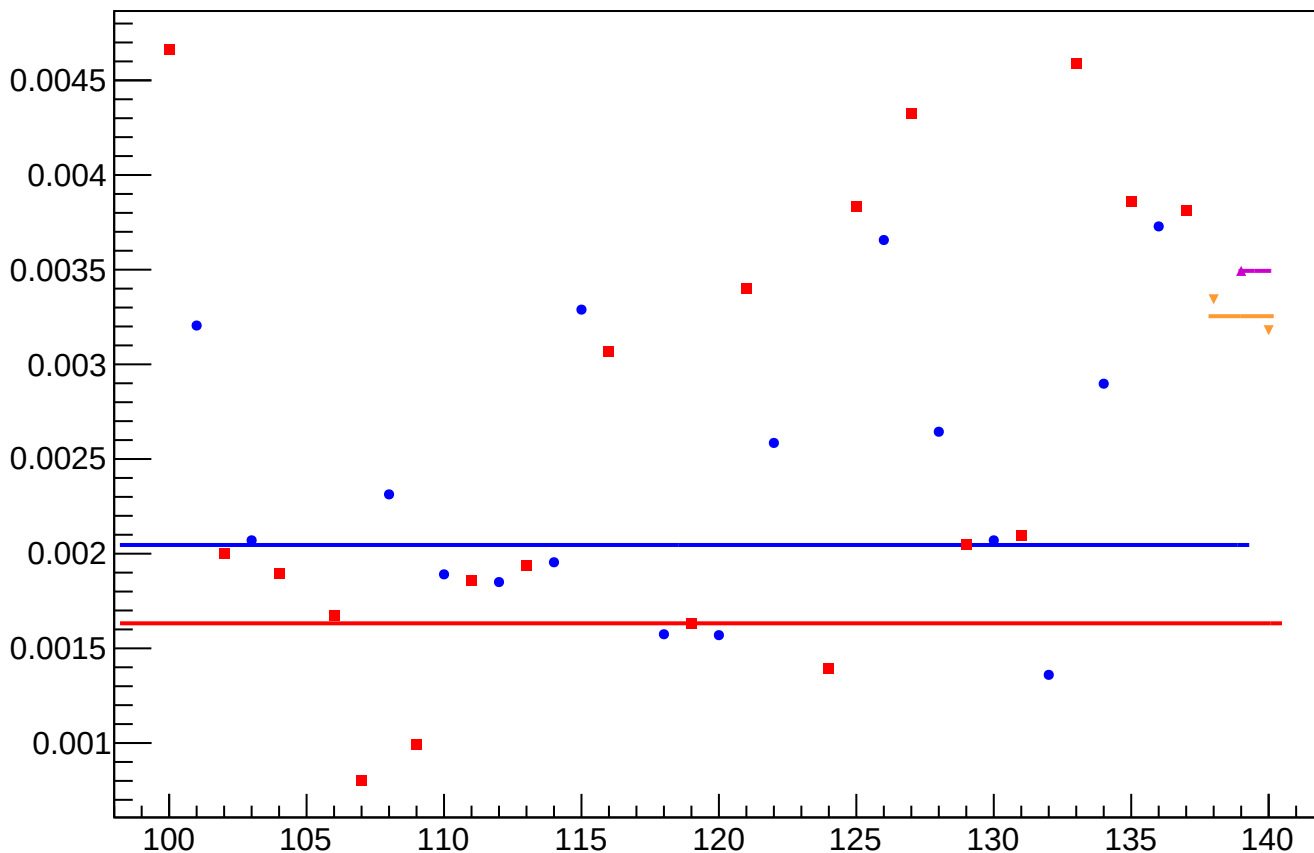
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/19

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 2005.8/1

Right Out: 0.002+/-0.000 χ^2/NDF : 2928991.9/18

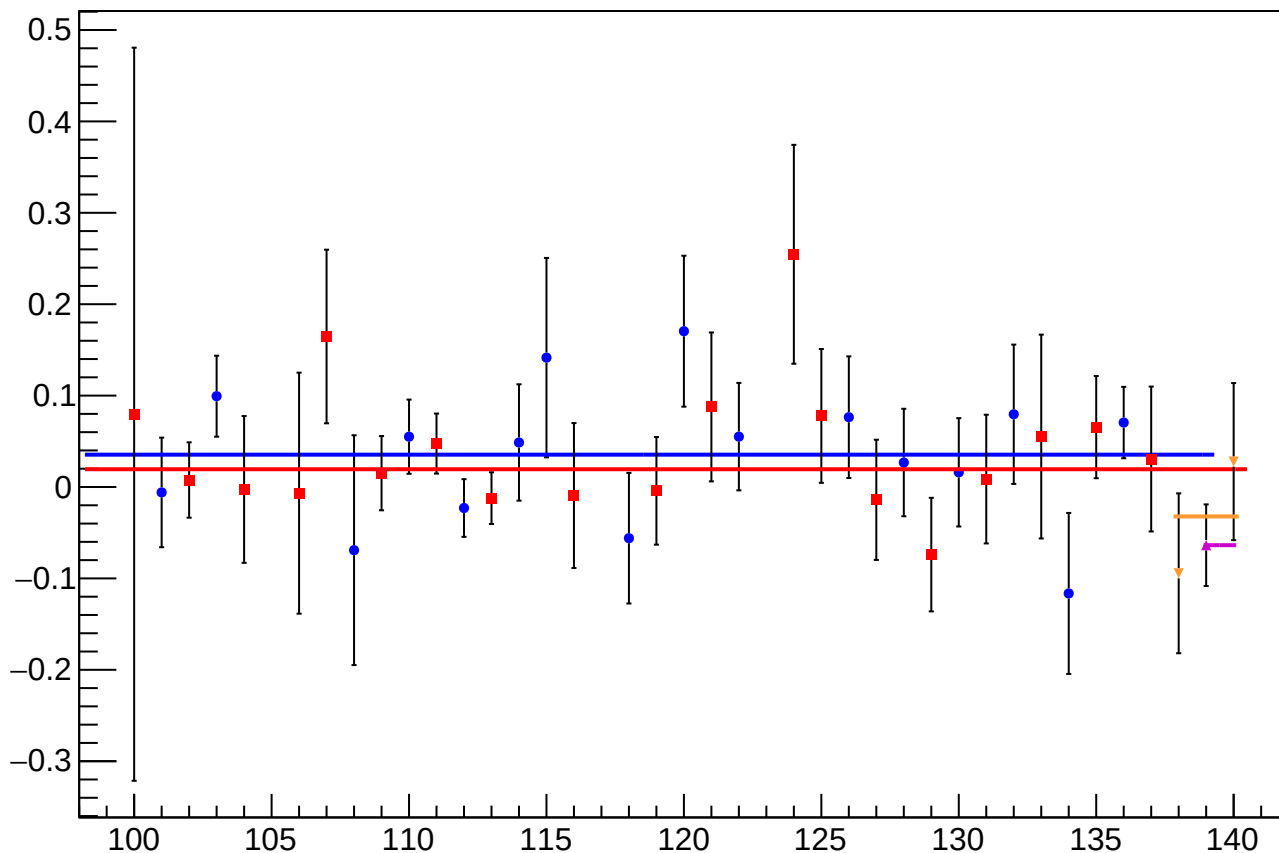
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 1665575.6/17

All: 0.002+/-0.000 χ^2/NDF : 5481183.0/37

- sign 0.002+/-0.000 χ^2/NDF : 3392617.1/19

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: -0.032 $\pm$ 0.061 χ^2 /NDF: 1.0/1

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

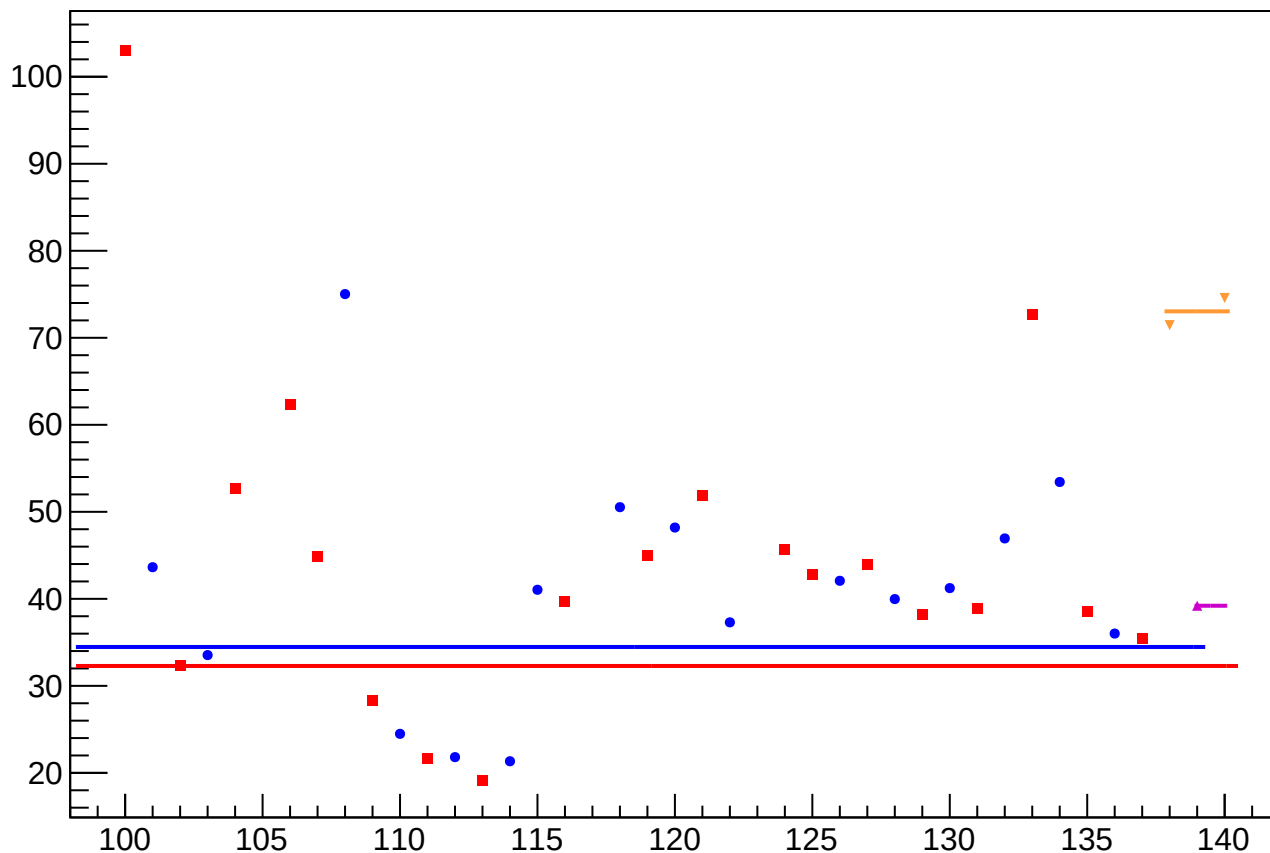
Left In: -0.064 $\pm$ 0.045 χ^2 /NDF: 0.0/0

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.022 $\pm$ 0.009 χ^2 /NDF: 36.8/37

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.6/19

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.469+/-0.010 χ^2/NDF : 1171158.4/15

Left Out: 73.040+/-0.043 χ^2/NDF :1298.4/1

Right Out: 32.285+/-0.009 χ^2/NDF : 1672606.5/18

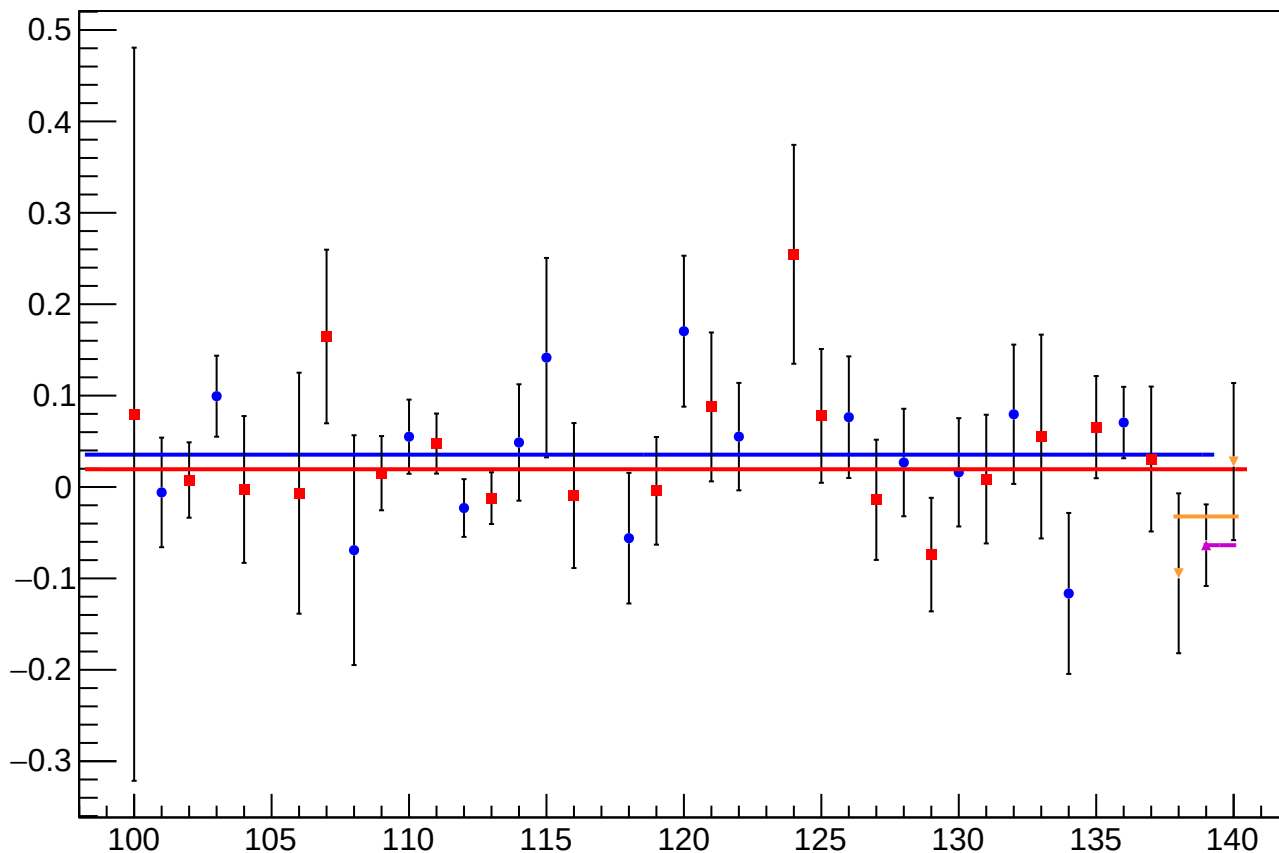
Left In: 39.208+/-0.032 χ^2/NDF :0.0/0

+ sign 36.353+/-0.010 χ^2/NDF : 1925667.0/17

All: 34.466+/-0.007 χ^2/NDF : 3714860.1/37

- sign 32.836+/-0.009 χ^2/NDF : 1716897.9/19

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: -0.032 $\pm$ 0.061 χ^2 /NDF:1.0/1

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

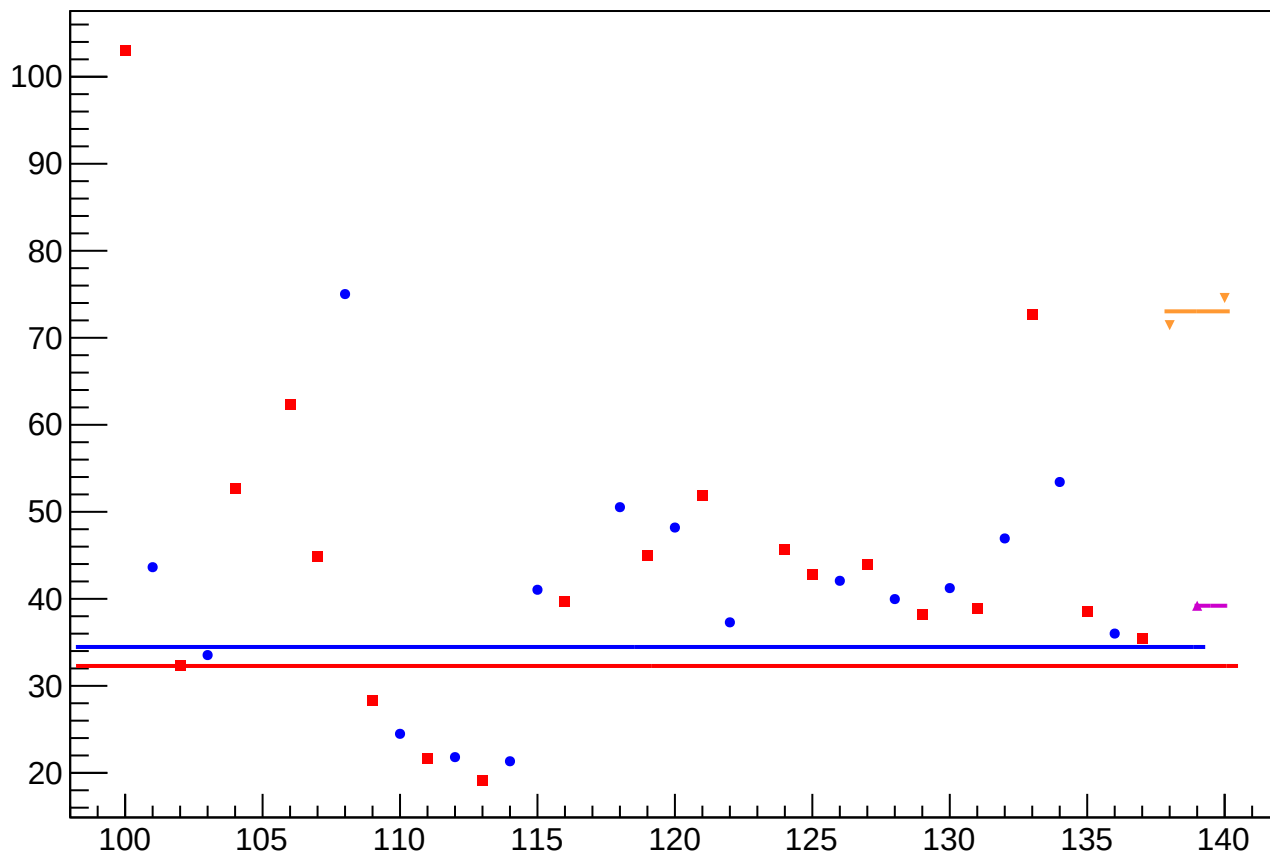
Left In: -0.064 $\pm$ 0.045 χ^2 /NDF:0.0/0

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.022 $\pm$ 0.009 χ^2 /NDF: 36.8/37

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.6/19

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.469+/-0.010 χ^2/NDF : 1171158.4/15

Left Out: 73.040+/-0.043 χ^2/NDF :1298.4/1

Right Out: 32.285+/-0.009 χ^2/NDF : 1672606.5/18

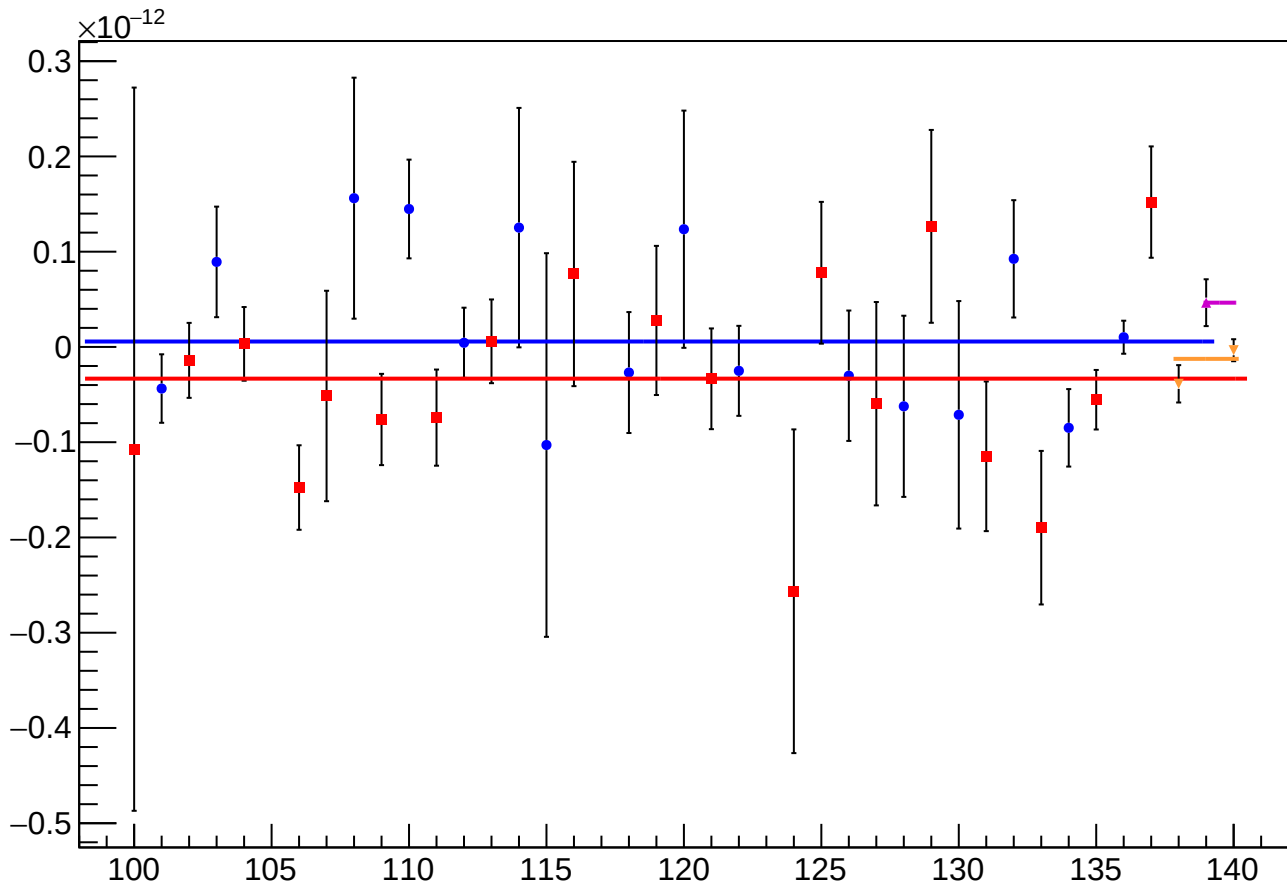
Left In: 39.208+/-0.032 χ^2/NDF :0.0/0

+ sign 36.353+/-0.010 χ^2/NDF : 1925667.0/17

All: 34.466+/-0.007 χ^2/NDF : 3714860.1/37

- sign 32.836+/-0.009 χ^2/NDF : 1716897.9/19

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.5/18

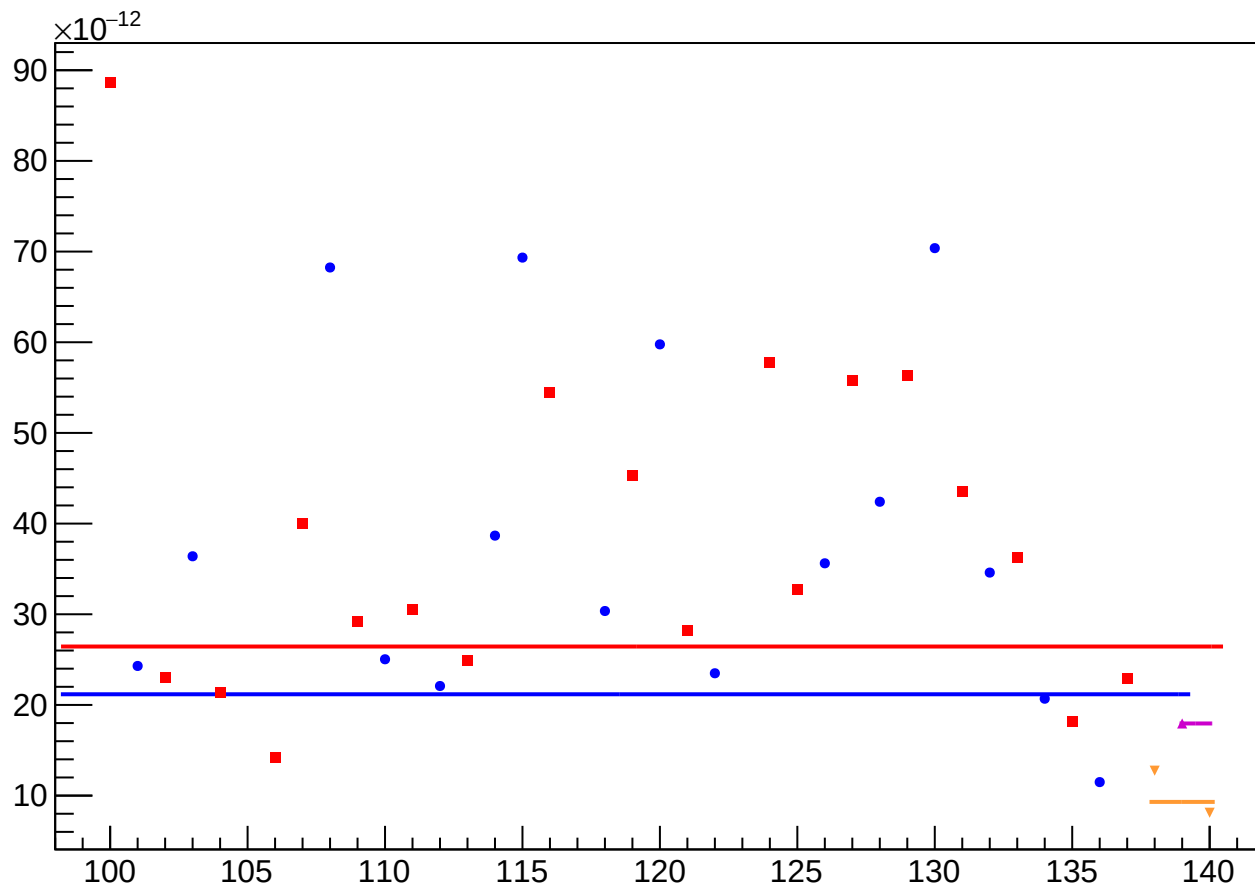
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 69.8/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/19

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 83031.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1217987.6/18

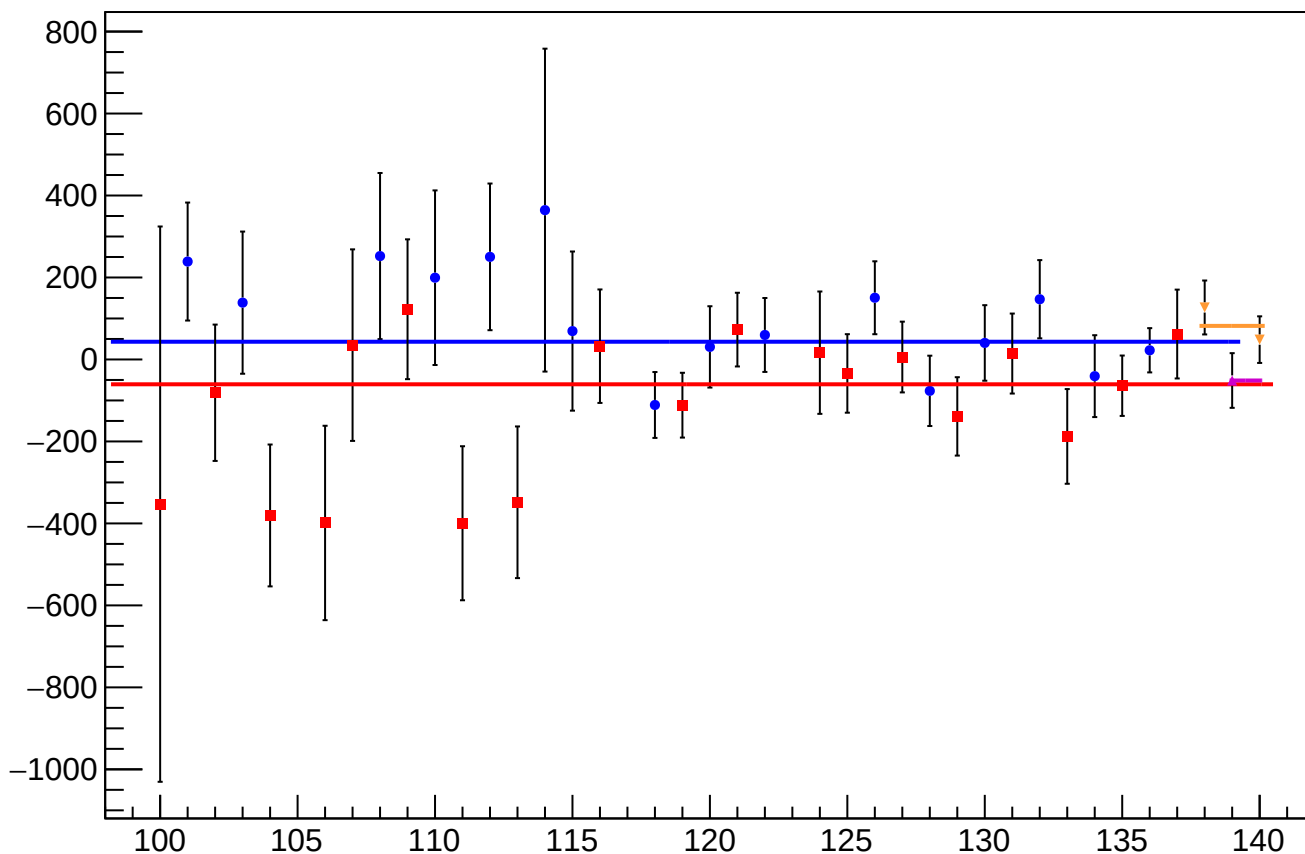
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3393816.1/17

All: 0.000+/-0.000 χ^2/NDF : 5888065.2/37

- sign 0.000+/-0.000 χ^2/NDF : 1404072.2/19

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 81.920 $\pm$ 43.013 χ^2 /NDF: 0.8/1

Right Out: -60.582 $\pm$ 26.894 χ^2 /NDF: 20.4/18

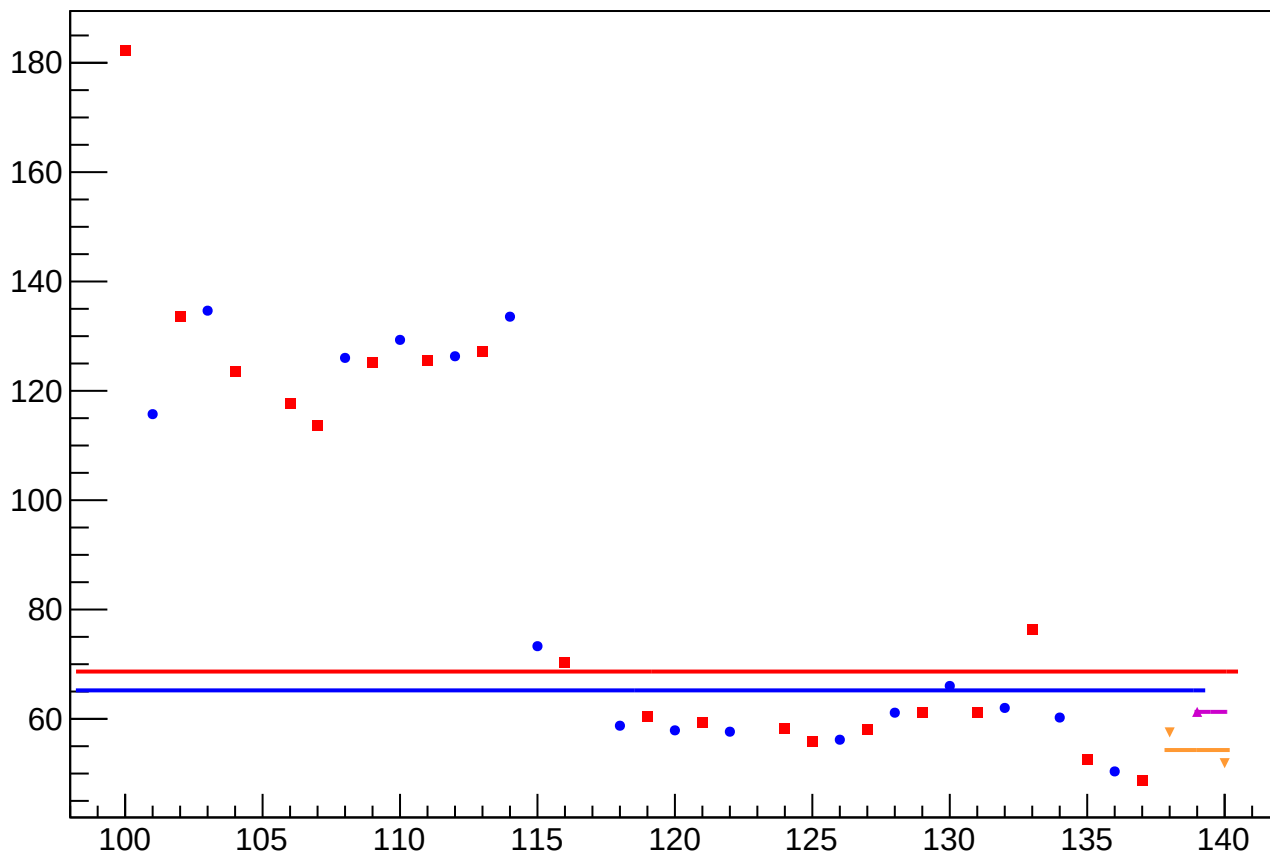
Left In: -51.317 $\pm$ 66.707 χ^2 /NDF: 0.0/0

+ sign 53.468 $\pm$ 22.113 χ^2 /NDF: 16.4/17

All: 3.849 $\pm$ 16.547 χ^2 /NDF: 48.2/37

- sign -59.286 $\pm$ 24.943 χ^2 /NDF: 20.4/19

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446504.6/15

Left Out: 54.302 $\pm$ 0.030 χ^2 /NDF:8388.9/1

Right Out: 68.656 $\pm$ 0.019 χ^2 /NDF: 1640900.1/18

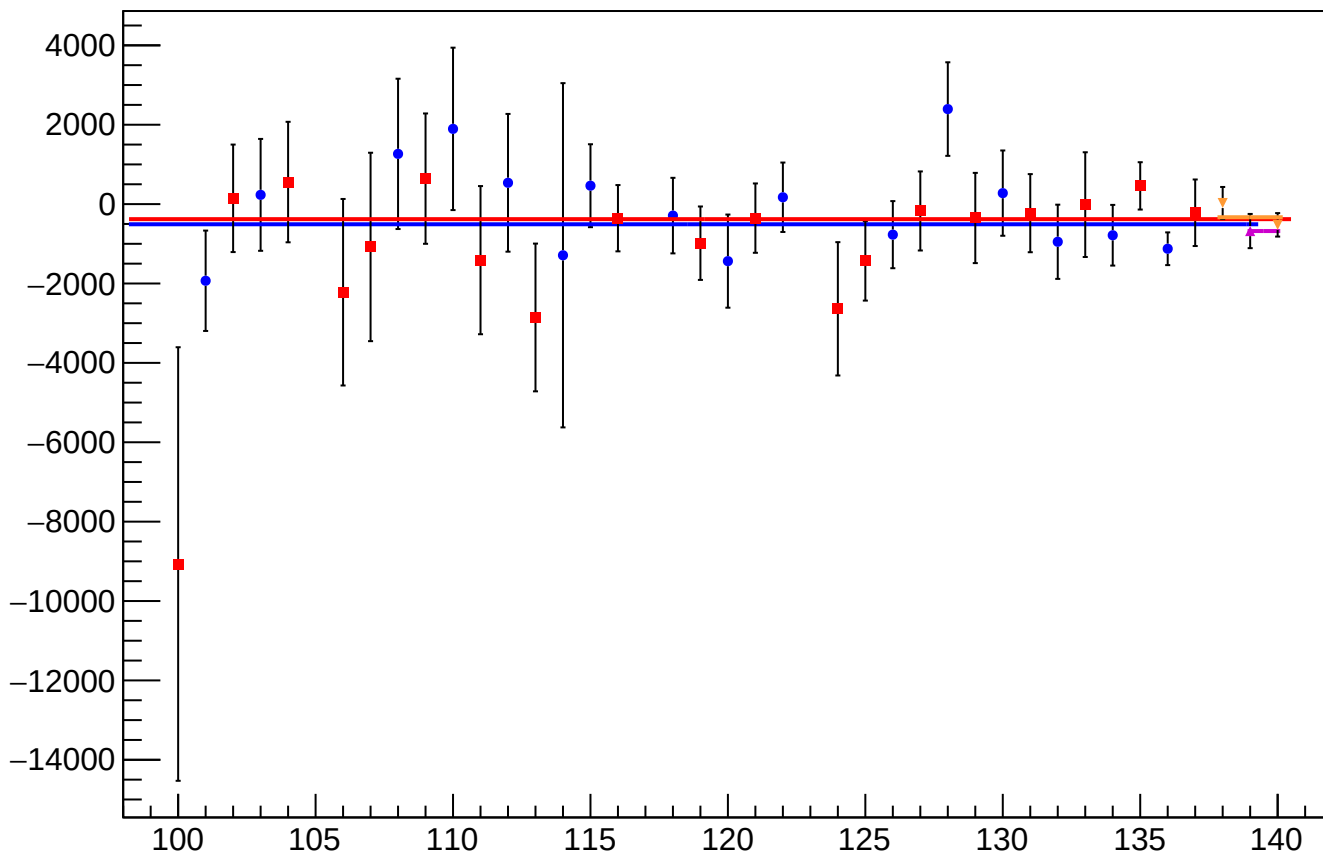
Left In: 61.282 $\pm$ 0.047 χ^2 /NDF:0.0/0

+ sign 62.329 $\pm$ 0.016 χ^2 /NDF: 1549565.7/17

All: 64.660 $\pm$ 0.012 χ^2 /NDF: 3261983.8/37

- sign 67.625 $\pm$ 0.018 χ^2 /NDF: 1661927.0/19

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -507.928+/-236.945 χ^2/NDF : 15.6/15

Left Out: -330.707+/-238.806 χ^2/NDF : 1.2/1

Right Out: -378.892+/-256.407 χ^2/NDF : 11.7/18

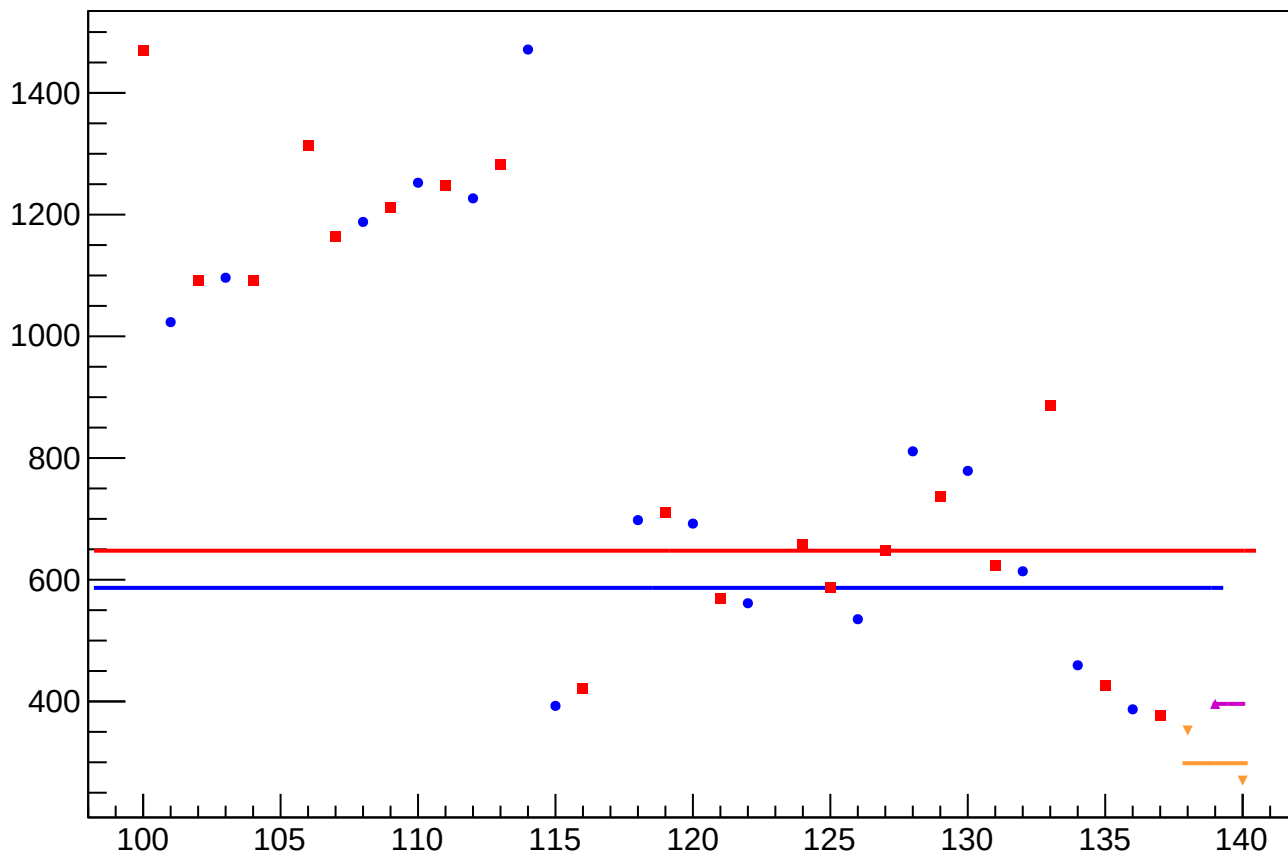
Left In: -678.684+/-430.973 χ^2/NDF : 0.0/0

+ sign -420.011+/-168.199 χ^2/NDF : 17.1/17

All: -433.727+/-133.701 χ^2/NDF : 29.2/37

- sign -457.267+/-220.357 χ^2/NDF : 12.1/19

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053133.2/15

Left Out: 298.511 $\pm$ 0.169 χ^2 /NDF: 54057.4/1

Right Out: 647.736 $\pm$ 0.181 χ^2 /NDF: 2105638.0/18

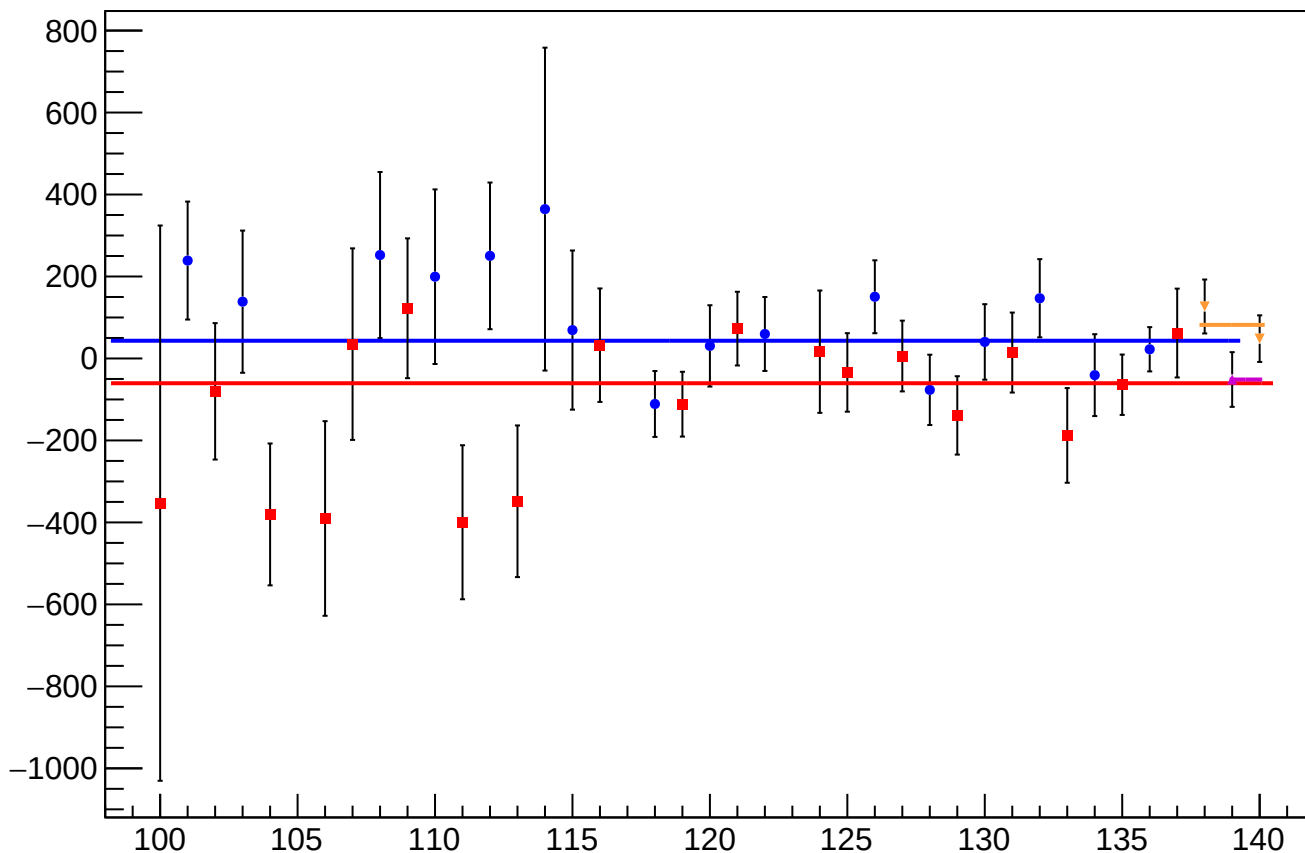
Left In: 395.978 $\pm$ 0.305 χ^2 /NDF: 0.0/0

+ sign 443.706 $\pm$ 0.119 χ^2 /NDF: 3574369.7/17

All: 494.588 $\pm$ 0.095 χ^2 /NDF: 6681241.9/37

- sign 581.919 $\pm$ 0.156 χ^2 /NDF: 2609709.3/19

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF : 15.0/15

Left Out: 81.923+/-43.013 χ^2/NDF : 0.8/1

Right Out: -60.432+/-26.895 χ^2/NDF : 20.3/18

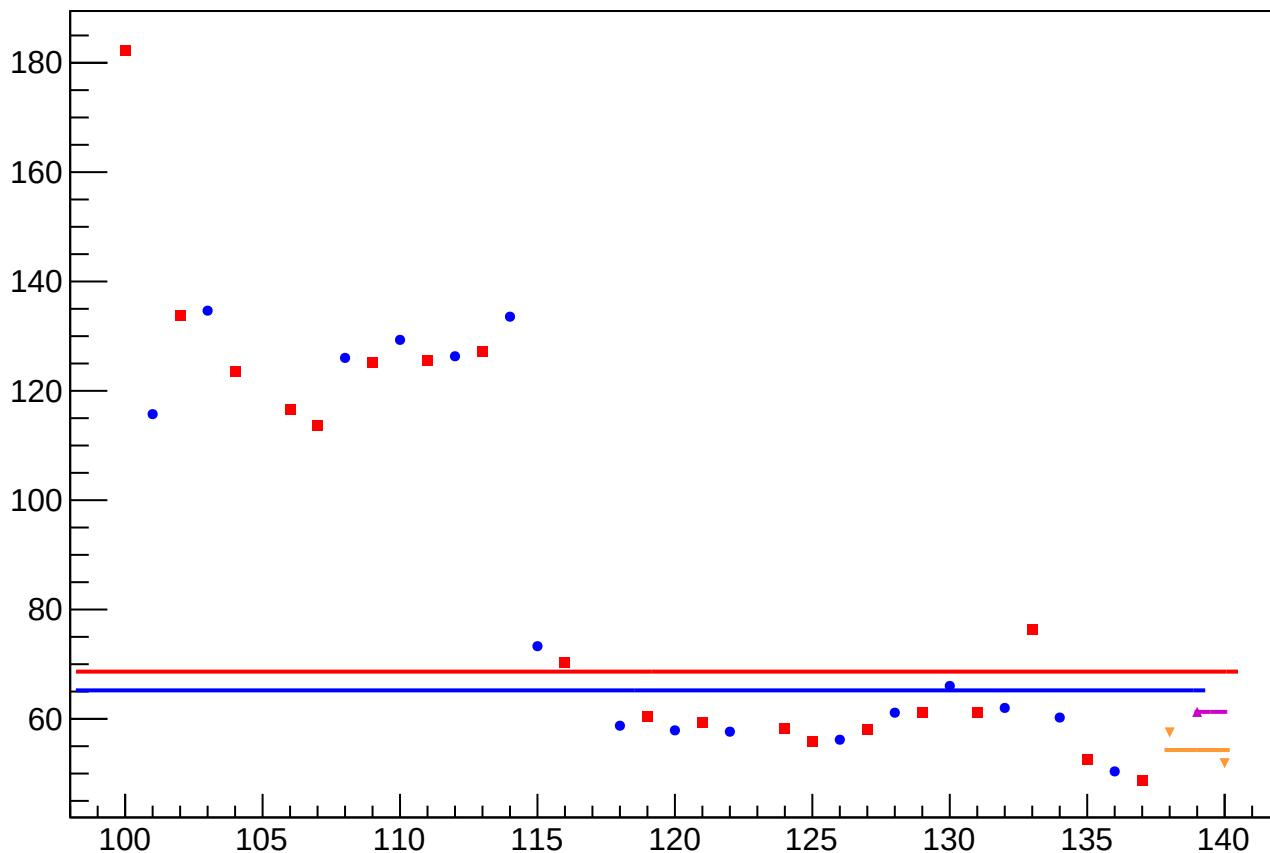
Left In: -51.330+/-66.707 χ^2/NDF : 0.0/0

+ sign 53.463+/-22.113 χ^2/NDF : 16.4/17

All: 3.904+/-16.547 χ^2/NDF : 48.1/37

- sign -59.159+/-24.944 χ^2/NDF : 20.3/19

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446506.9/15

Left Out: 54.302 $\pm$ 0.030 χ^2 /NDF: 8388.9/1

Right Out: 68.642 $\pm$ 0.019 χ^2 /NDF: 1637558.1/18

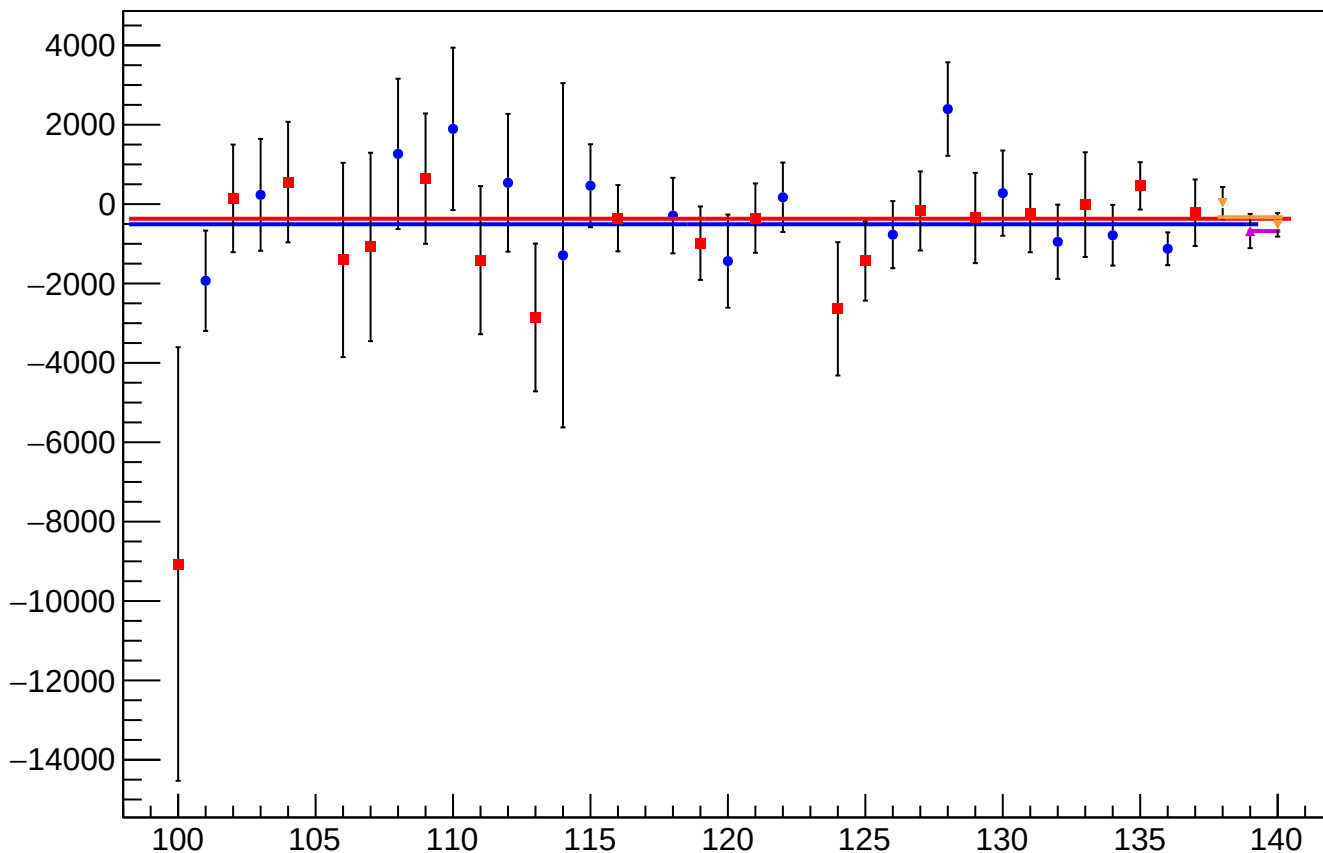
Left In: 61.282 $\pm$ 0.047 χ^2 /NDF: 0.0/0

+ sign 62.329 $\pm$ 0.016 χ^2 /NDF: 1549568.0/17

All: 64.654 $\pm$ 0.012 χ^2 /NDF: 3258323.2/37

- sign 67.613 $\pm$ 0.018 χ^2 /NDF: 1658502.7/19

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911 $\pm$ 236.945 χ^2 /NDF: 15.6/15

Left Out: -330.698 $\pm$ 238.806 χ^2 /NDF:1.2/1

Right Out: -368.334 $\pm$ 256.534 χ^2 /NDF: 11.3/18

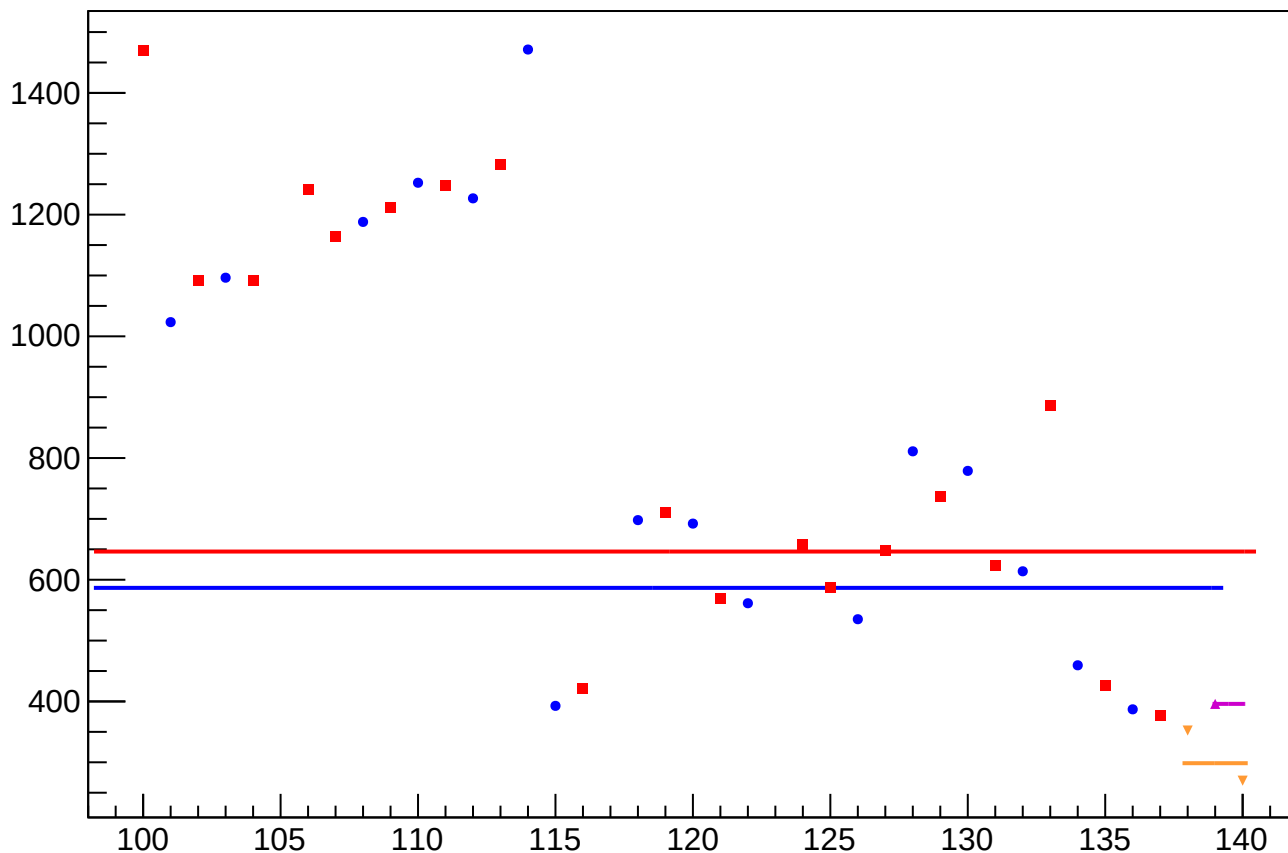
Left In: -678.694 $\pm$ 430.972 χ^2 /NDF:0.0/0

+ sign -419.998 $\pm$ 168.199 χ^2 /NDF: 17.1/17

All: -430.865 $\pm$ 133.719 χ^2 /NDF: 28.8/37

- sign -449.531 $\pm$ 220.437 χ^2 /NDF: 11.7/19

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF : 2053169.7/15

Left Out: 298.511+/-0.169 χ^2/NDF : 54057.8/1

Right Out: 646.328+/-0.181 χ^2/NDF : 2063185.3/18

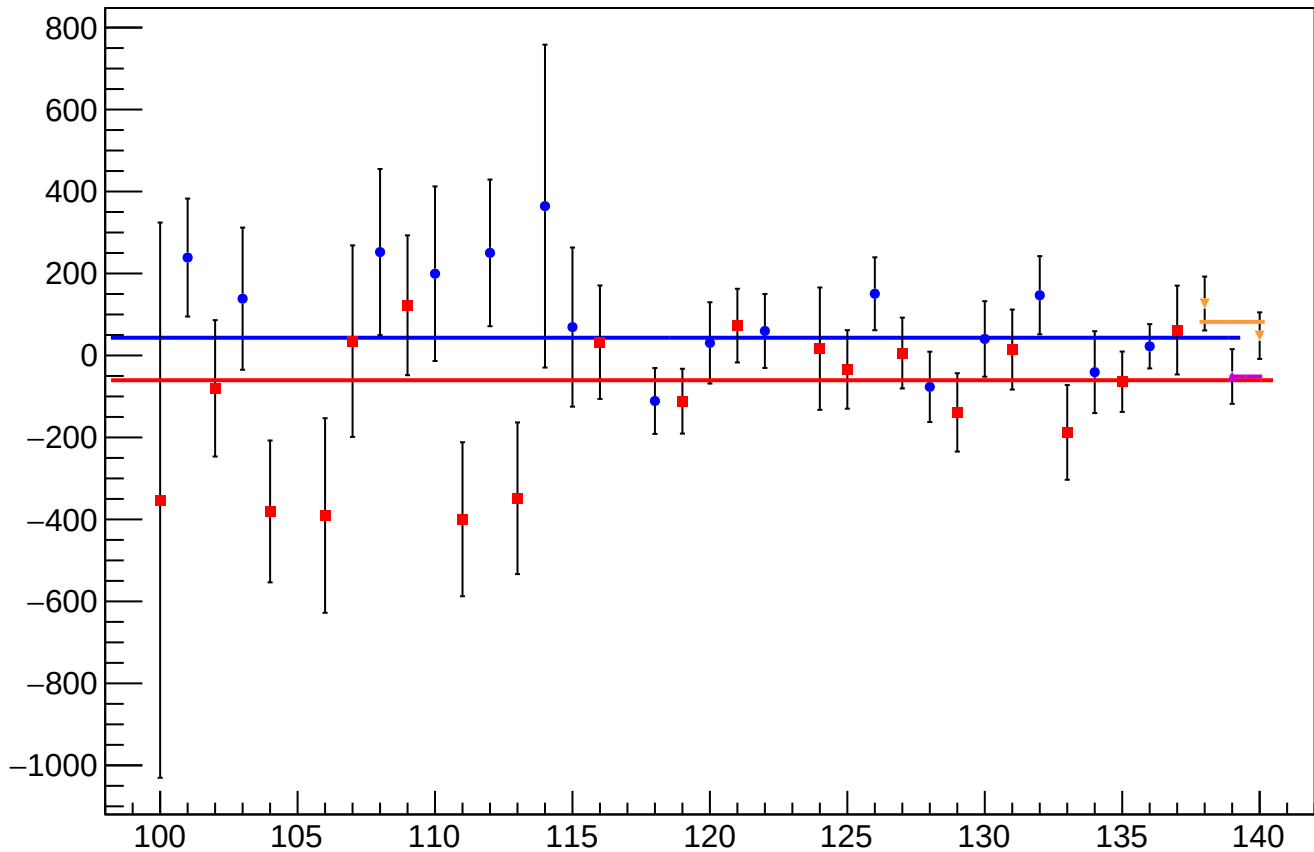
Left In: 395.977+/-0.305 χ^2/NDF : 0.0/0

+ sign 443.705+/-0.119 χ^2/NDF : 3574408.0/17

All: 494.163+/-0.095 χ^2/NDF : 6625060.1/37

- sign 580.831+/-0.156 χ^2/NDF : 2561506.1/19

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 81.923 $\pm$ 43.013 χ^2 /NDF: 0.8/1

Right Out: -60.432 $\pm$ 26.895 χ^2 /NDF: 20.3/18

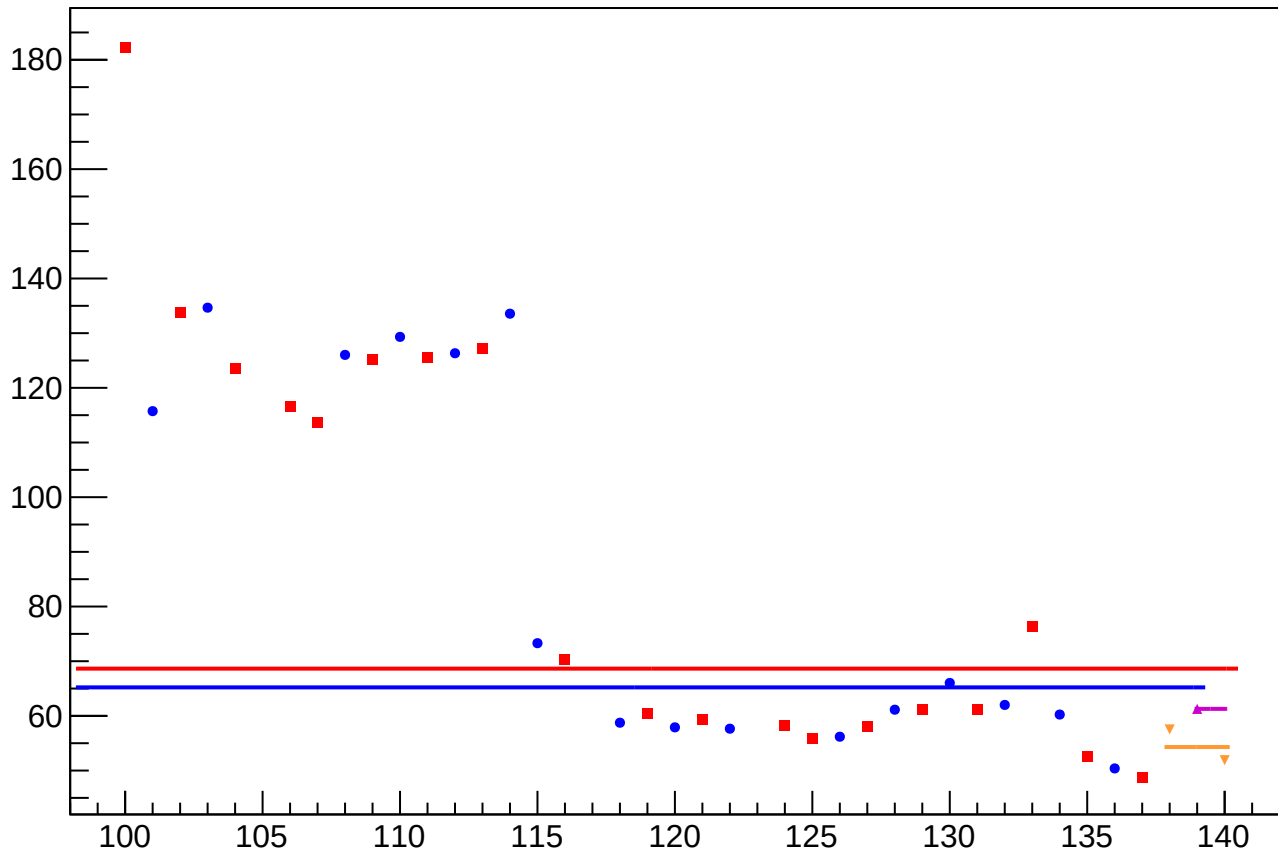
Left In: -51.330 $\pm$ 66.707 χ^2 /NDF: 0.0/0

+ sign 53.463 $\pm$ 22.113 χ^2 /NDF: 16.4/17

All: 3.904 $\pm$ 16.547 χ^2 /NDF: 48.1/37

- sign -59.159 $\pm$ 24.944 χ^2 /NDF: 20.3/19

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446506.9/15

Left Out: 54.302 $\pm$ 0.030 χ^2 /NDF: 8388.9/1

Right Out: 68.642 $\pm$ 0.019 χ^2 /NDF: 1637558.1/18

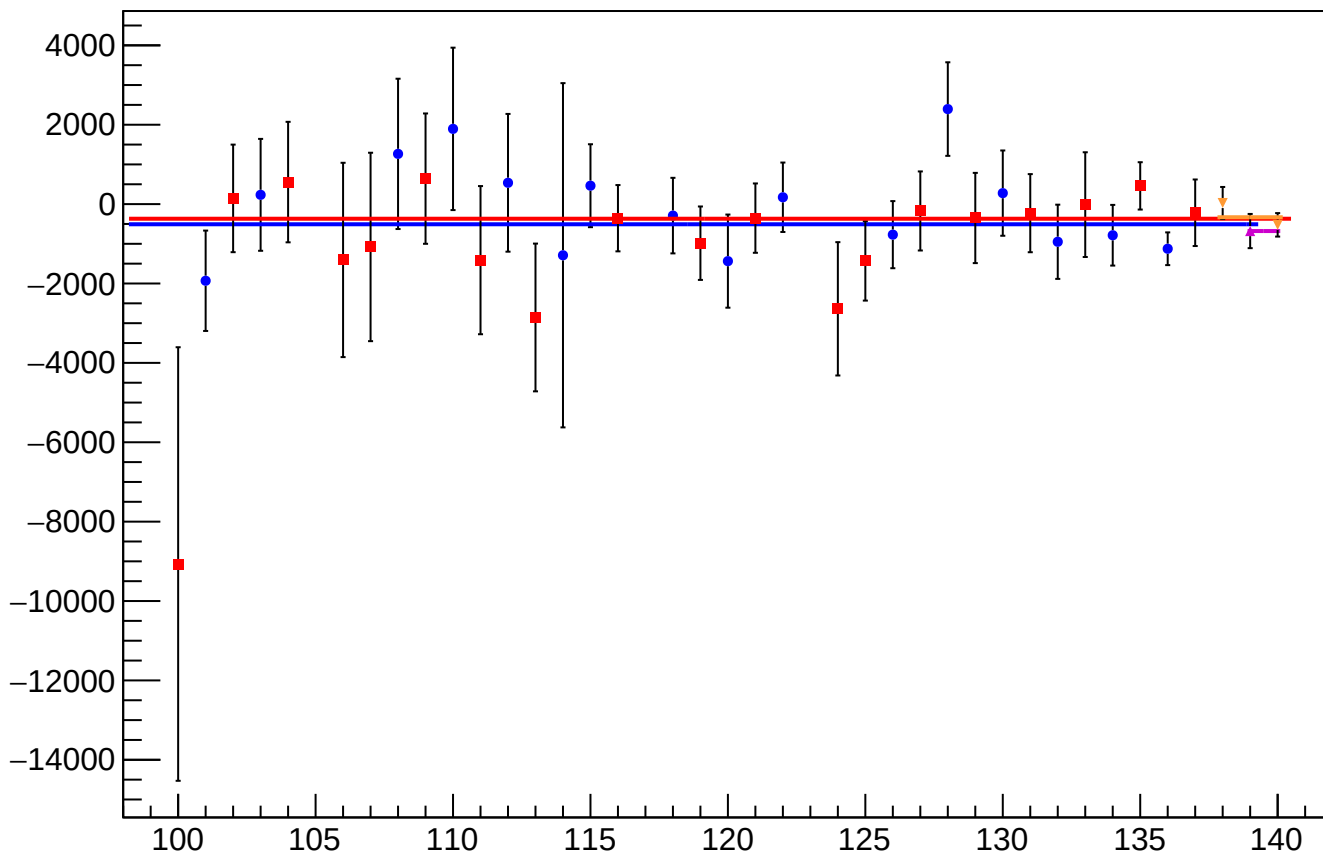
Left In: 61.282 $\pm$ 0.047 χ^2 /NDF: 0.0/0

+ sign 62.329 $\pm$ 0.016 χ^2 /NDF: 1549568.0/17

All: 64.654 $\pm$ 0.012 χ^2 /NDF: 3258323.2/37

- sign 67.613 $\pm$ 0.018 χ^2 /NDF: 1658502.7/19

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug



Right In: -507.911 $\pm$ 236.945 χ^2 /NDF: 15.6/15

Left Out: -330.698 $\pm$ 238.806 χ^2 /NDF: 1.2/1

Right Out: -368.334 $\pm$ 256.534 χ^2 /NDF: 11.3/18

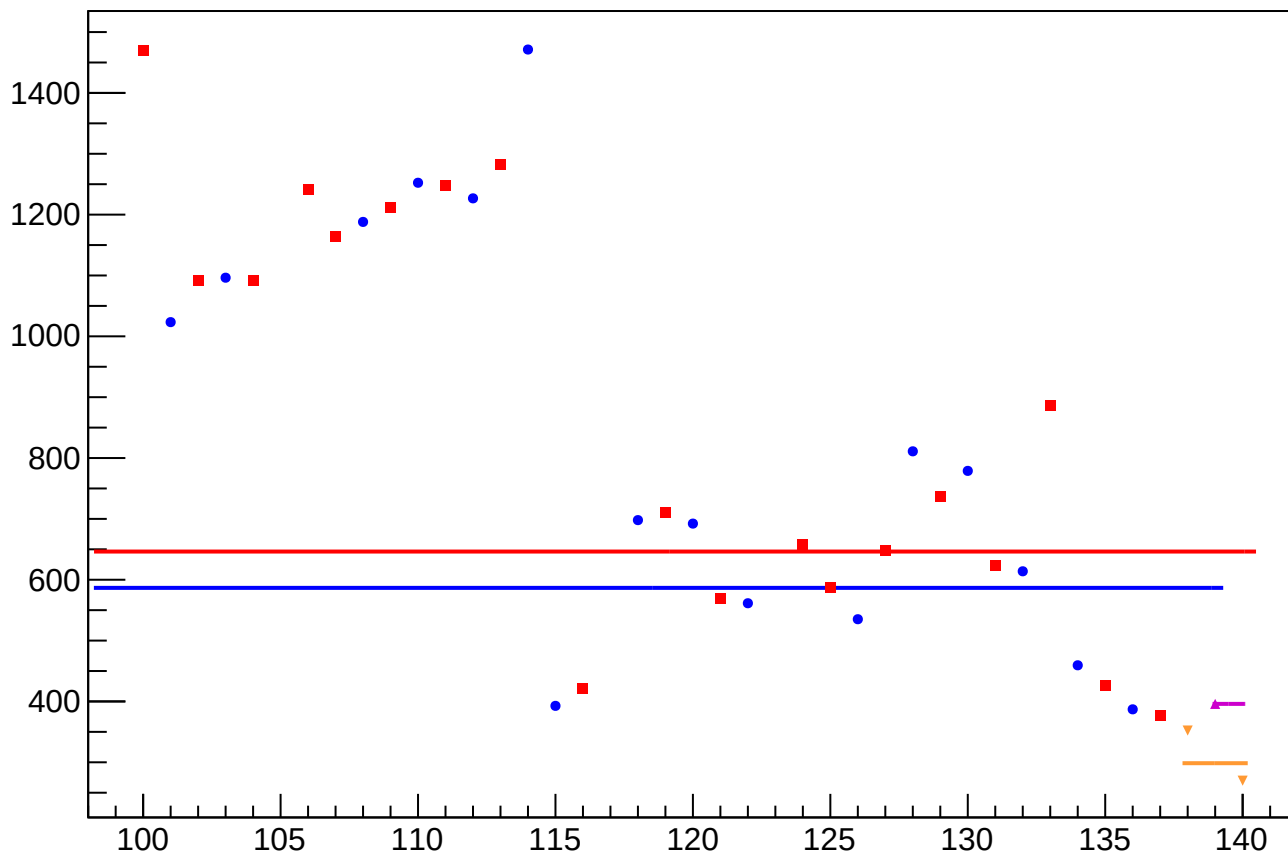
Left In: -678.694 $\pm$ 430.972 χ^2 /NDF: 0.0/0

+ sign -419.998 $\pm$ 168.199 χ^2 /NDF: 17.1/17

All: -430.865 $\pm$ 133.719 χ^2 /NDF: 28.8/37

- sign -449.531 $\pm$ 220.437 χ^2 /NDF: 11.7/19

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053169.7/15

Left Out: 298.511 $\pm$ 0.169 χ^2 /NDF: 54057.8/1

Right Out: 646.328 $\pm$ 0.181 χ^2 /NDF: 2063185.3/18

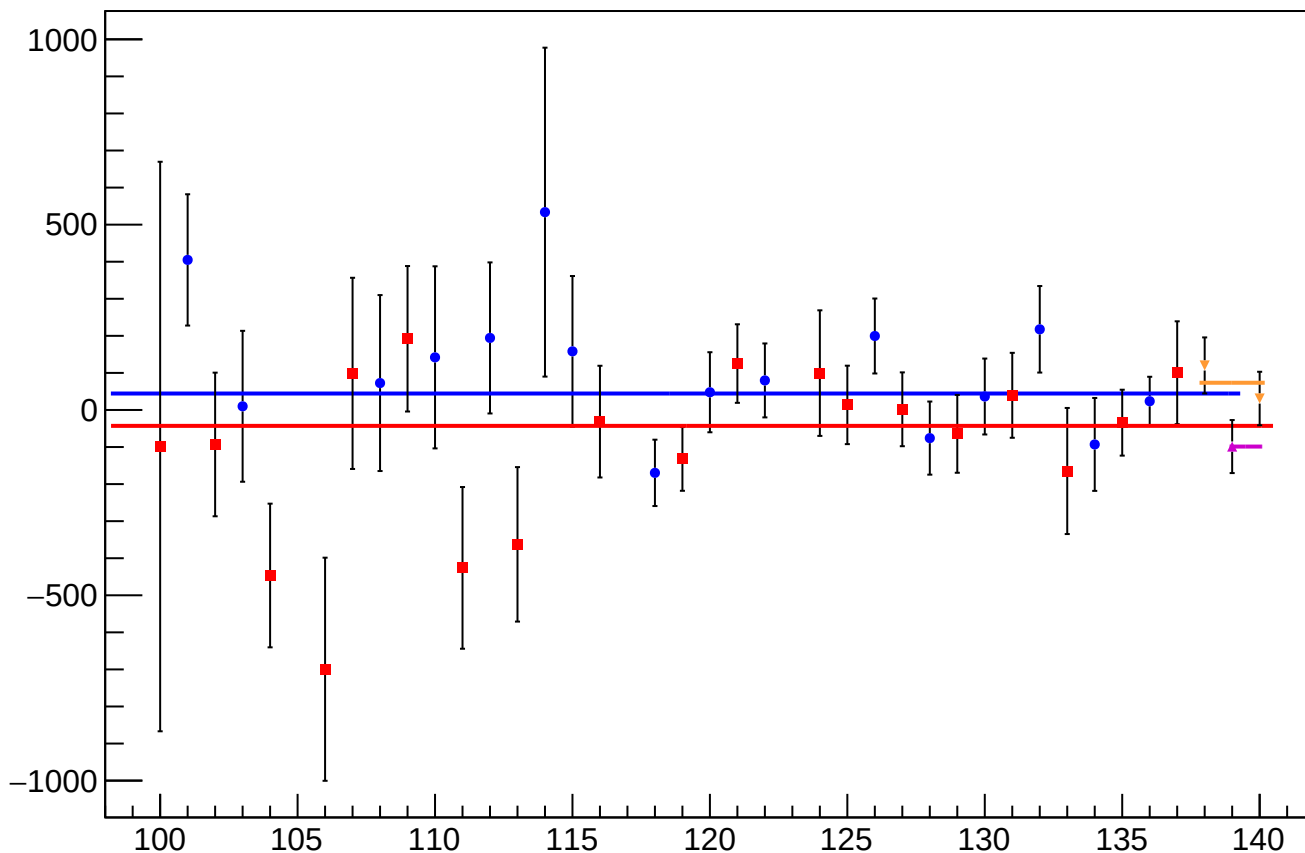
Left In: 395.977 $\pm$ 0.305 χ^2 /NDF: 0.0/0

+ sign 443.705 $\pm$ 0.119 χ^2 /NDF: 3574408.0/17

All: 494.163 $\pm$ 0.095 χ^2 /NDF: 6625060.1/37

- sign 580.831 $\pm$ 0.156 χ^2 /NDF: 2561506.1/19

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387 $\pm$ 29.909 χ^2 /NDF: 19.6/15

Left Out: 73.437 $\pm$ 52.198 χ^2 /NDF: 0.7/1

Right Out: -42.901 $\pm$ 31.248 χ^2 /NDF: 23.3/18

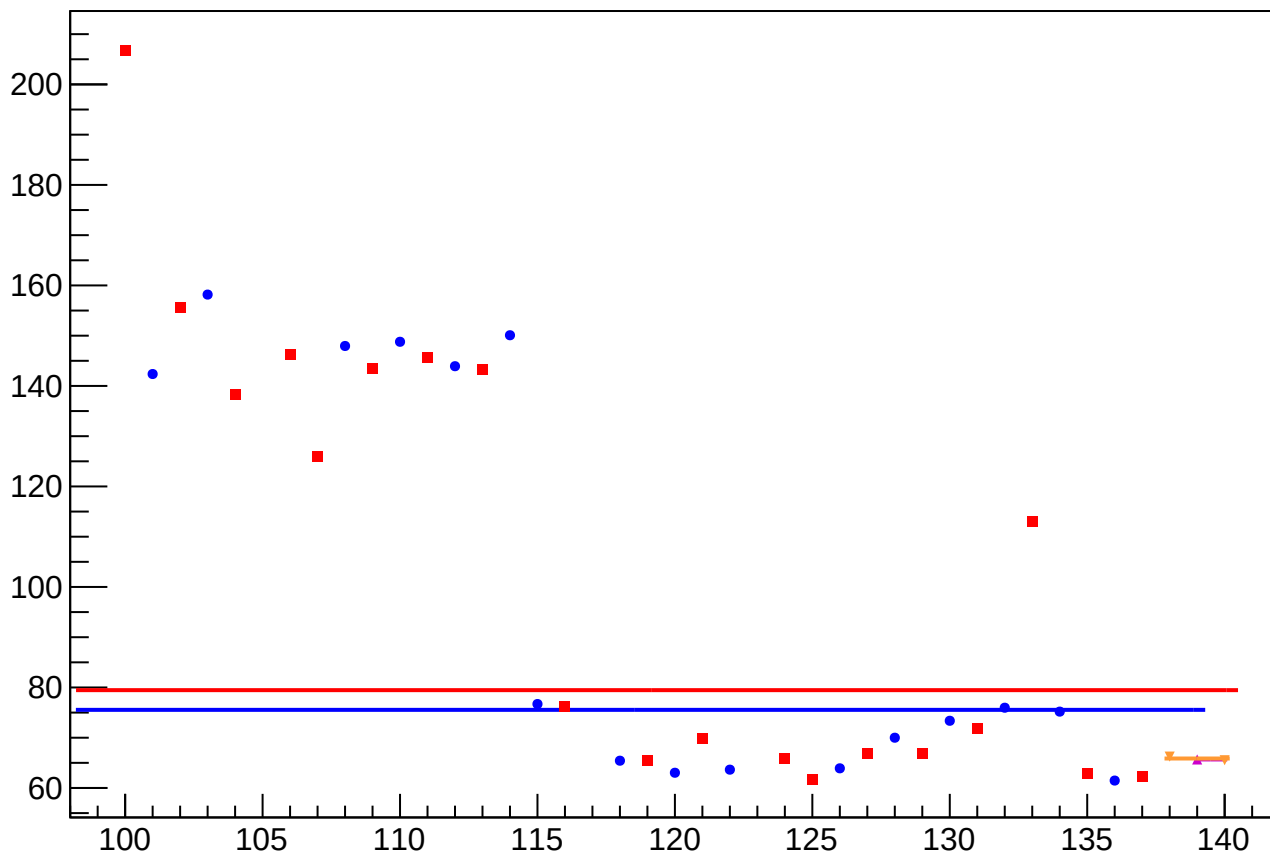
Left In: -98.731 $\pm$ 71.526 χ^2 /NDF: 0.0/0

+ sign 51.567 $\pm$ 25.951 χ^2 /NDF: 20.6/17

All: 4.933 $\pm$ 19.229 χ^2 /NDF: 51.5/37

- sign -51.849 $\pm$ 28.635 χ^2 /NDF: 23.8/19

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF : 1465550.9/15

Left Out: 65.862+/-0.037 χ^2/NDF :96.1/1

Right Out: 79.465+/-0.022 χ^2/NDF : 1683634.3/18

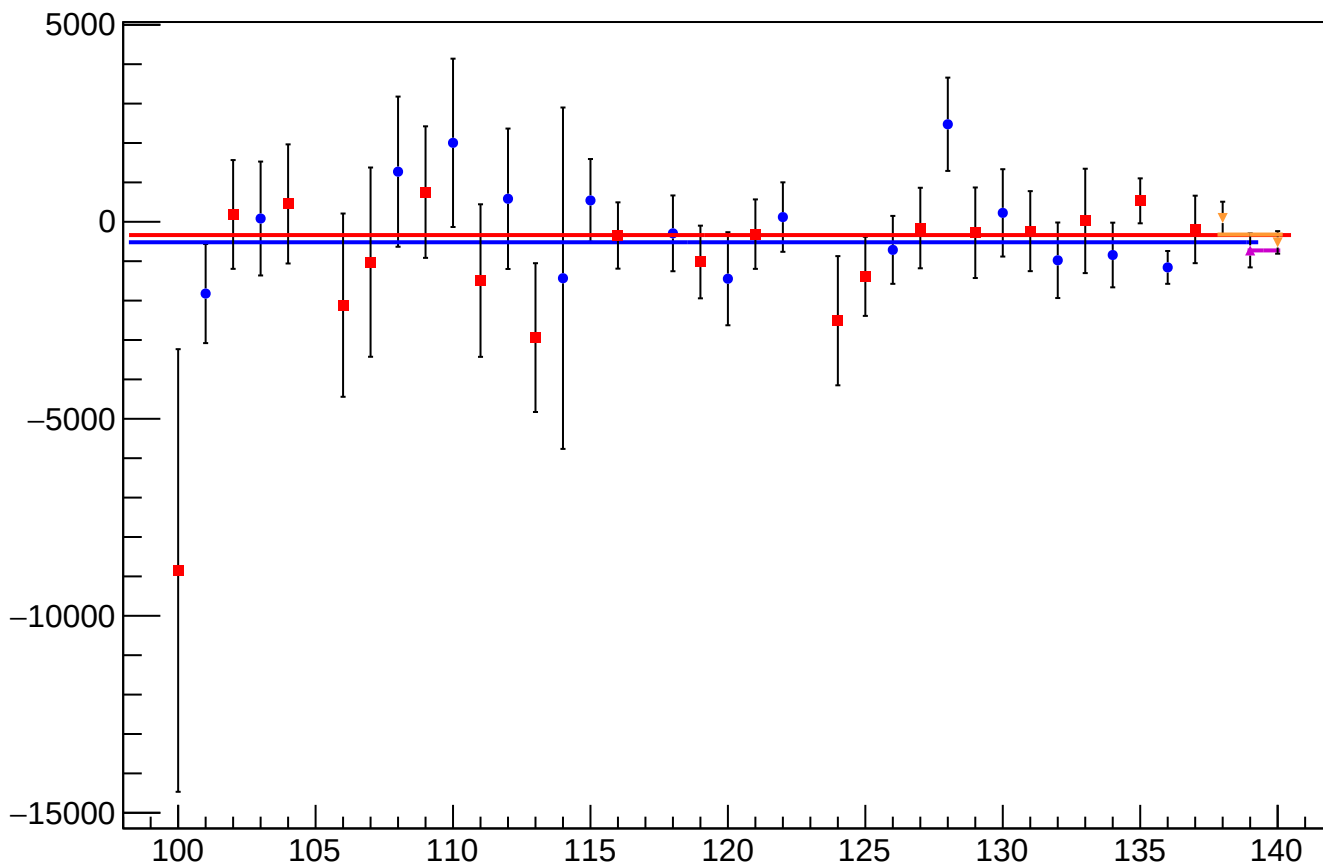
Left In: 65.673+/-0.051 χ^2/NDF :0.0/0

+ sign 73.151+/-0.018 χ^2/NDF : 1517449.1/17

All: 75.002+/-0.014 χ^2/NDF : 3286085.1/37

- sign 77.255+/-0.020 χ^2/NDF : 1746085.0/19

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF : 15.8/15

Left Out: -323.129+/-235.409 χ^2/NDF : 1.5/1

Right Out: -336.731+/-256.618 χ^2/NDF : 11.9/18

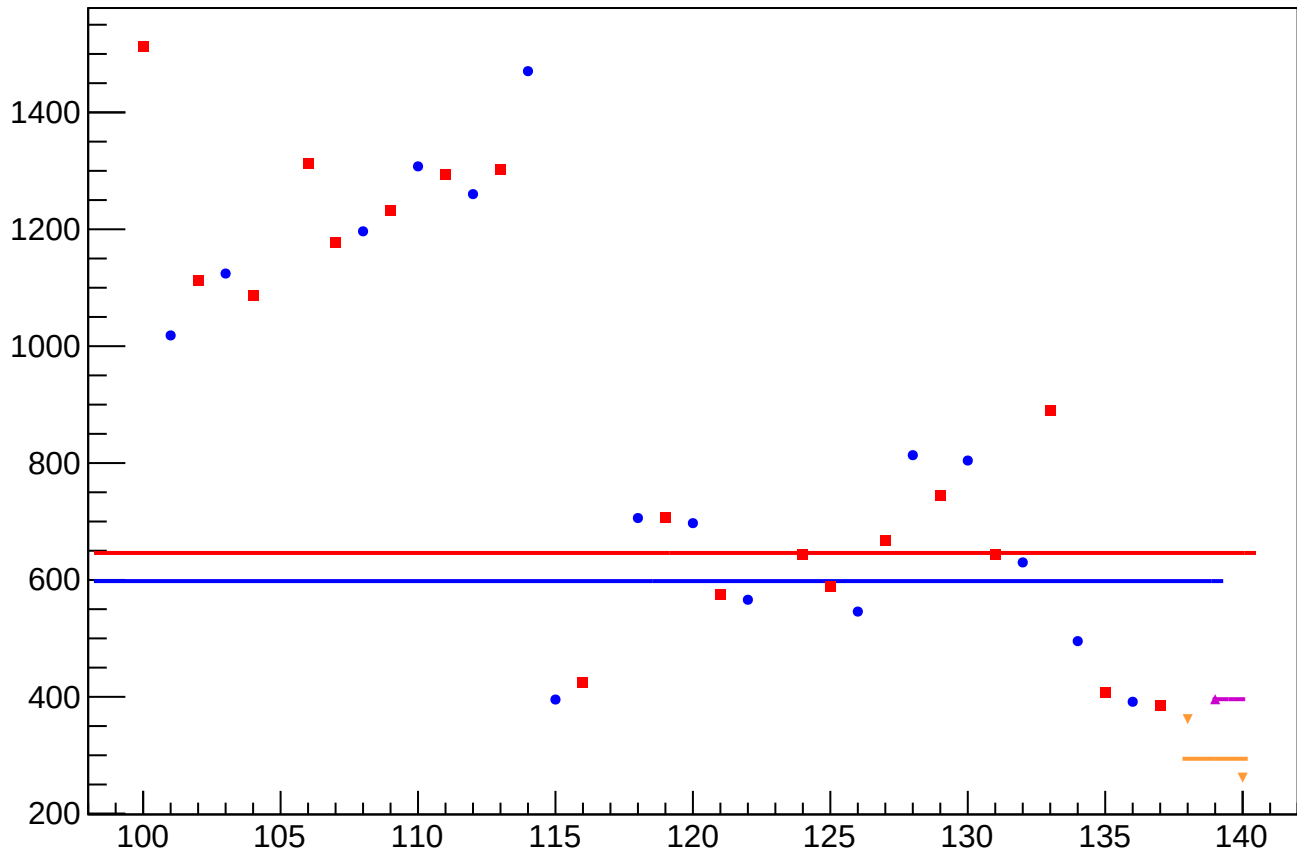
Left In: -726.525+/-431.014 χ^2/NDF : 0.0/0

+ sign -418.759+/-168.509 χ^2/NDF : 17.7/17

All: -426.128+/-133.887 χ^2/NDF : 30.2/37

- sign -438.744+/-220.496 χ^2/NDF : 12.5/19

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044 $\pm$ 0.171 χ^2 /NDF: 2047825.1/15

Left Out: 294.076 $\pm$ 0.166 χ^2 /NDF: 79154.7/1

Right Out: 646.190 $\pm$ 0.181 χ^2 /NDF: 2205437.4/18

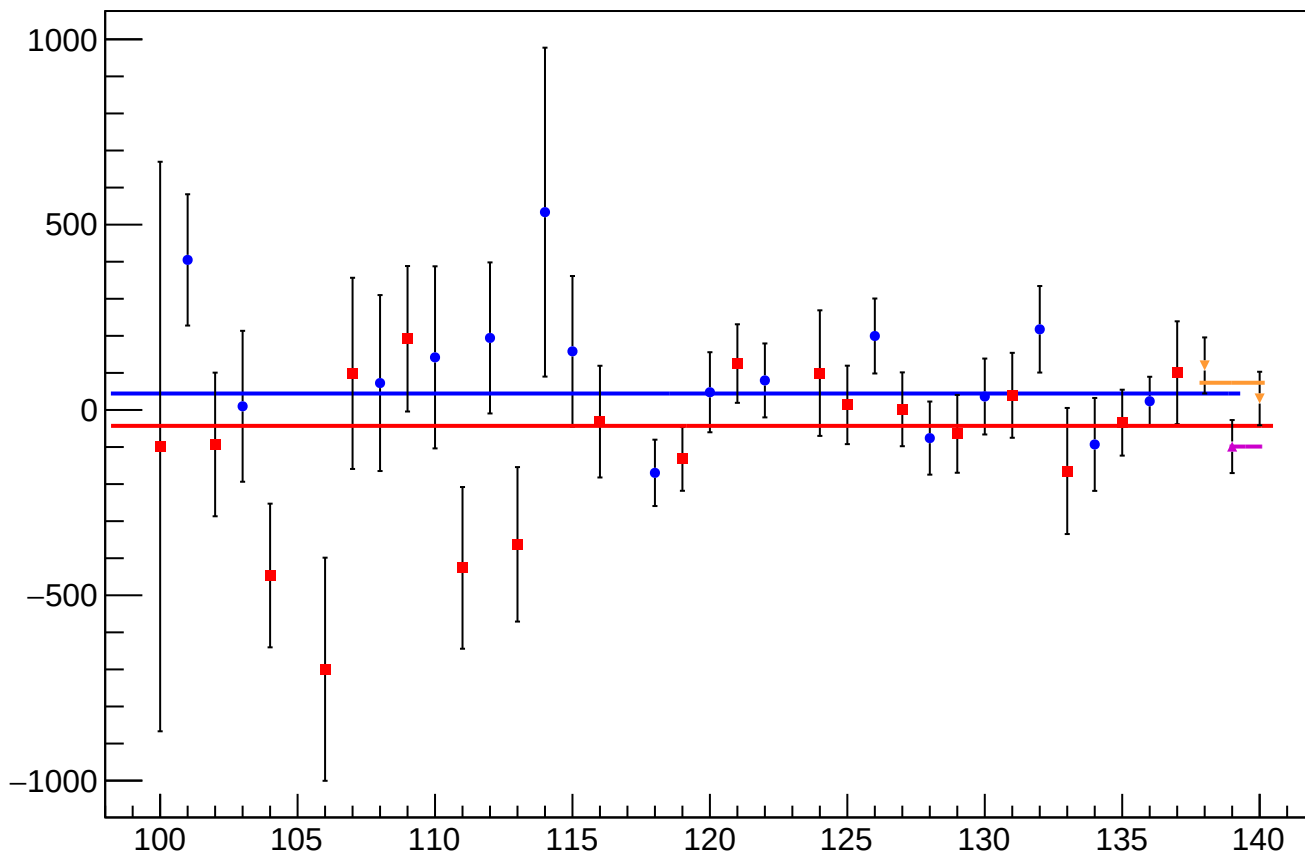
Left In: 395.958 $\pm$ 0.305 χ^2 /NDF: 0.0/0

+ sign 442.293 $\pm$ 0.119 χ^2 /NDF: 3752955.8/17

All: 493.325 $\pm$ 0.095 χ^2 /NDF: 6953580.6/37

- sign 580.702 $\pm$ 0.156 χ^2 /NDF: 2703129.5/19

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389 $\pm$ 29.908 χ^2 /NDF: 19.6/15

Left Out: 73.434 $\pm$ 52.198 χ^2 /NDF: 0.7/1

Right Out: -42.900 $\pm$ 31.248 χ^2 /NDF: 23.3/18

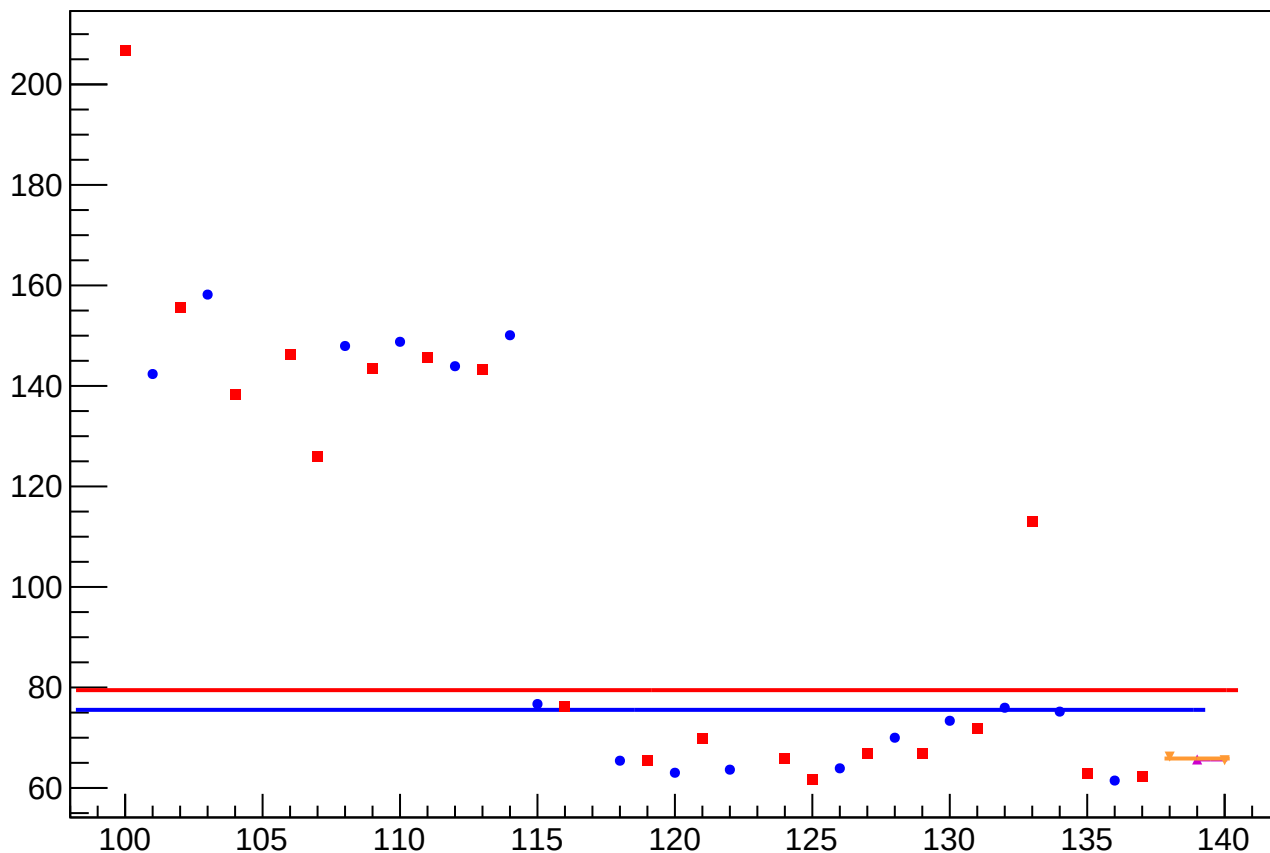
Left In: -98.730 $\pm$ 71.526 χ^2 /NDF: 0.0/0

+ sign 51.568 $\pm$ 25.950 χ^2 /NDF: 20.6/17

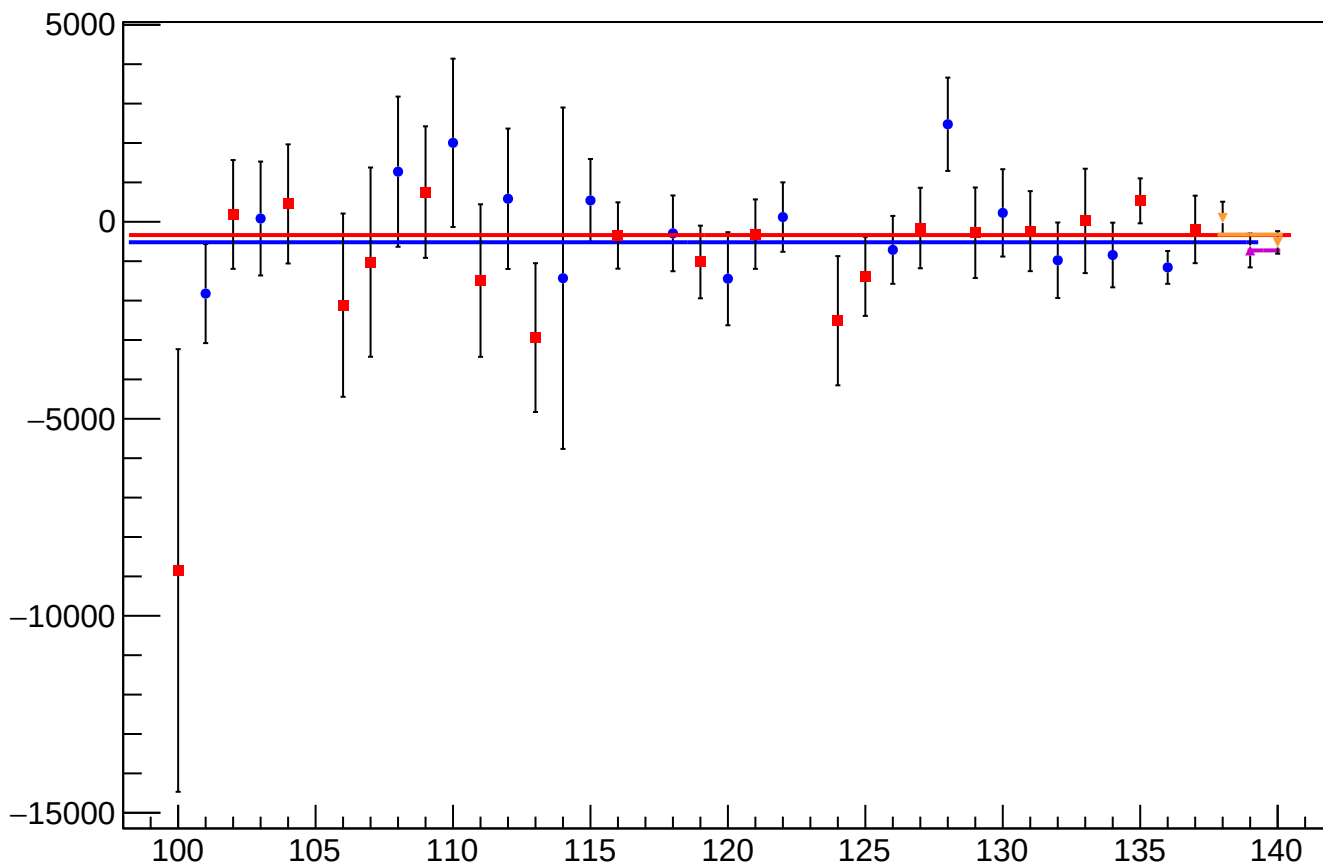
All: 4.933 $\pm$ 19.229 χ^2 /NDF: 51.5/37

- sign -51.848 $\pm$ 28.635 χ^2 /NDF: 23.8/19

eigen_dit_asym_sam_1526_avg_rms vs Slug



asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -519.247 $\pm$ 241.316 χ^2 /NDF: 15.8/15

Left Out: -323.130 $\pm$ 235.408 χ^2 /NDF:1.5/1

Right Out: -336.731 $\pm$ 256.617 χ^2 /NDF: 11.9/18

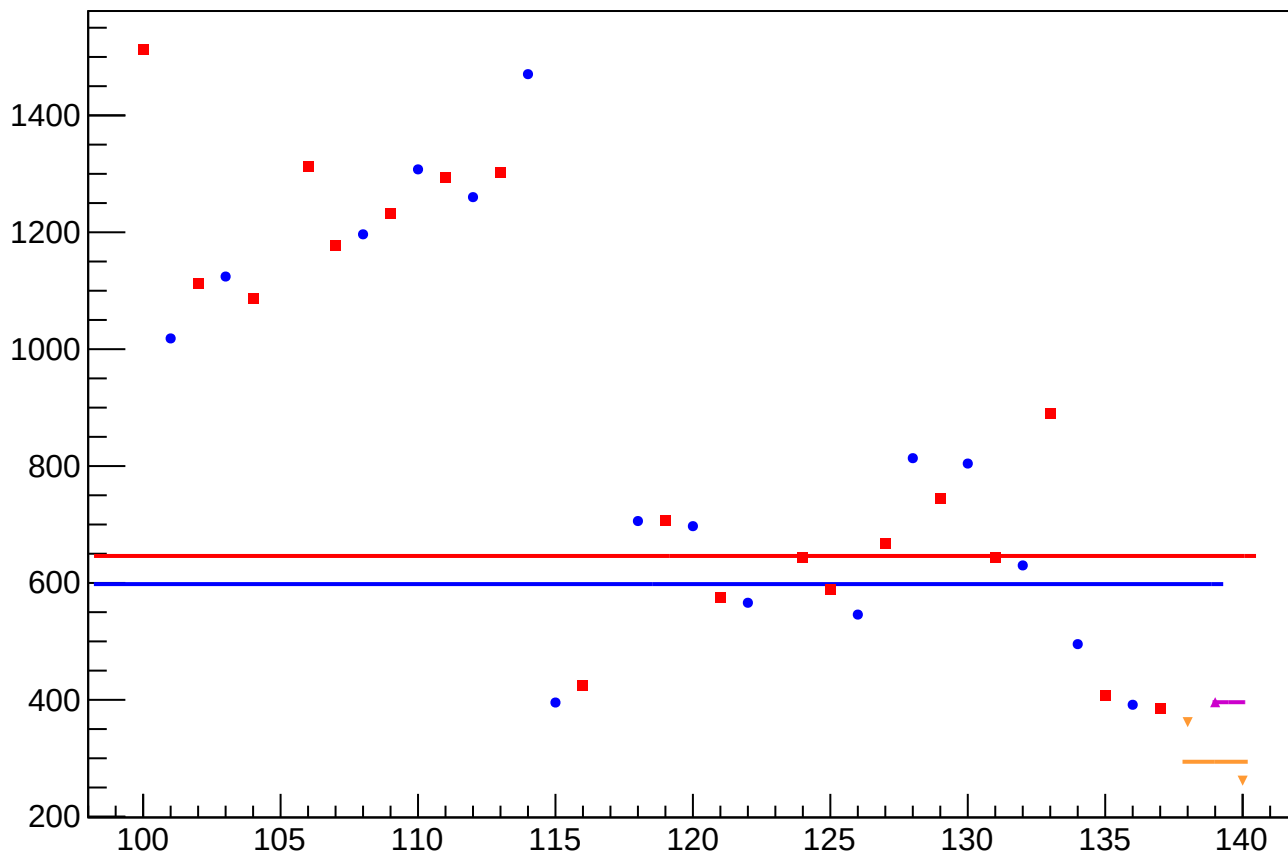
Left In: -726.523 $\pm$ 431.012 χ^2 /NDF:0.0/0

+ sign -418.758 $\pm$ 168.509 χ^2 /NDF: 17.7/17

All: -426.127 $\pm$ 133.887 χ^2 /NDF: 30.2/37

- sign -438.744 $\pm$ 220.495 χ^2 /NDF: 12.5/19

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 598.044 $\pm$ 0.171 χ^2 /NDF: 2047806.5/15

Left Out: 294.075 $\pm$ 0.166 χ^2 /NDF: 79152.5/1

Right Out: 646.190 $\pm$ 0.181 χ^2 /NDF: 2205421.4/18

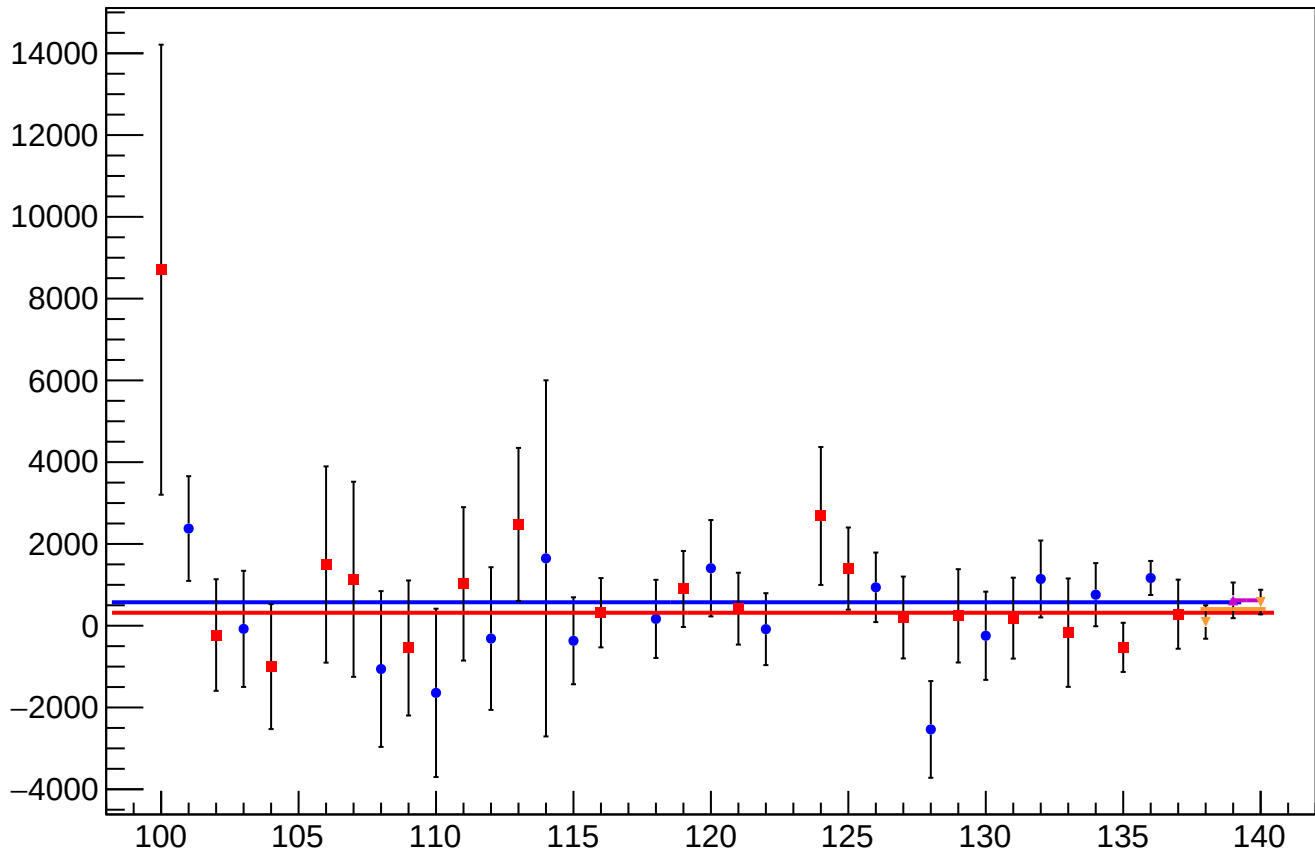
Left In: 395.956 $\pm$ 0.305 χ^2 /NDF: 0.0/0

+ sign 442.293 $\pm$ 0.119 χ^2 /NDF: 3752941.7/17

All: 493.324 $\pm$ 0.095 χ^2 /NDF: 6953559.2/37

- sign 580.701 $\pm$ 0.156 χ^2 /NDF: 2703125.3/19

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF : 16.6/15

Left Out: 407.464+/-242.810 χ^2/NDF : 0.9/1

Right Out: 316.830+/-258.239 χ^2/NDF : 11.0/18

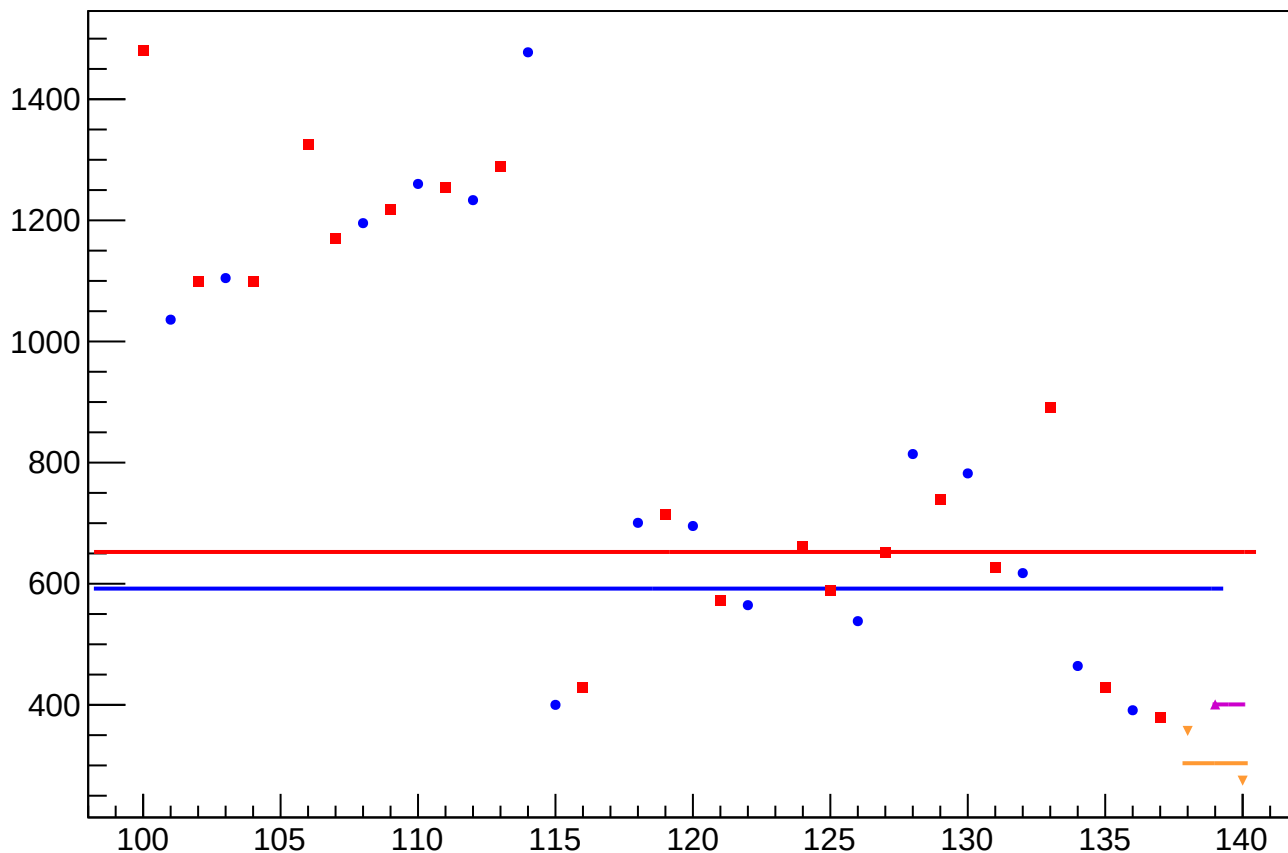
Left In: 620.996+/-436.127 χ^2/NDF : 0.0/0

+ sign 491.758+/-170.301 χ^2/NDF : 17.7/17

All: 456.246+/-135.169 χ^2/NDF : 29.2/37

- sign 395.788+/-222.207 χ^2/NDF : 11.4/19

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF : 2035700.6/15

Left Out: 303.650+/-0.172 χ^2/NDF : 52074.6/1

Right Out: 652.459+/-0.183 χ^2/NDF : 2089983.3/18

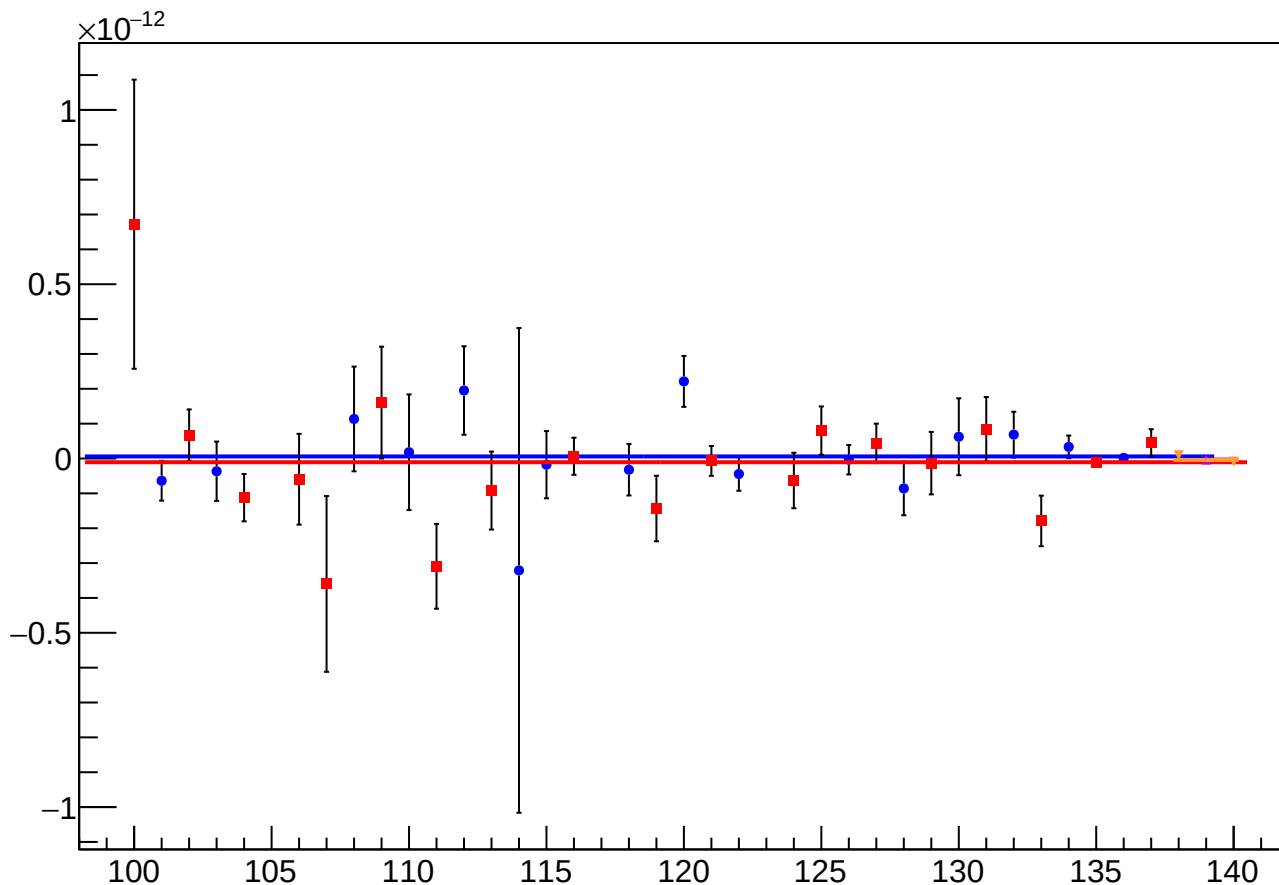
Left In: 400.717+/-0.308 χ^2/NDF : 0.0/0

+ sign 450.140+/-0.120 χ^2/NDF : 3520567.6/17

All: 500.823+/-0.096 χ^2/NDF : 6582658.7/37

- sign 587.109+/-0.157 χ^2/NDF : 2583369.4/19

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.2/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.3/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.5/18

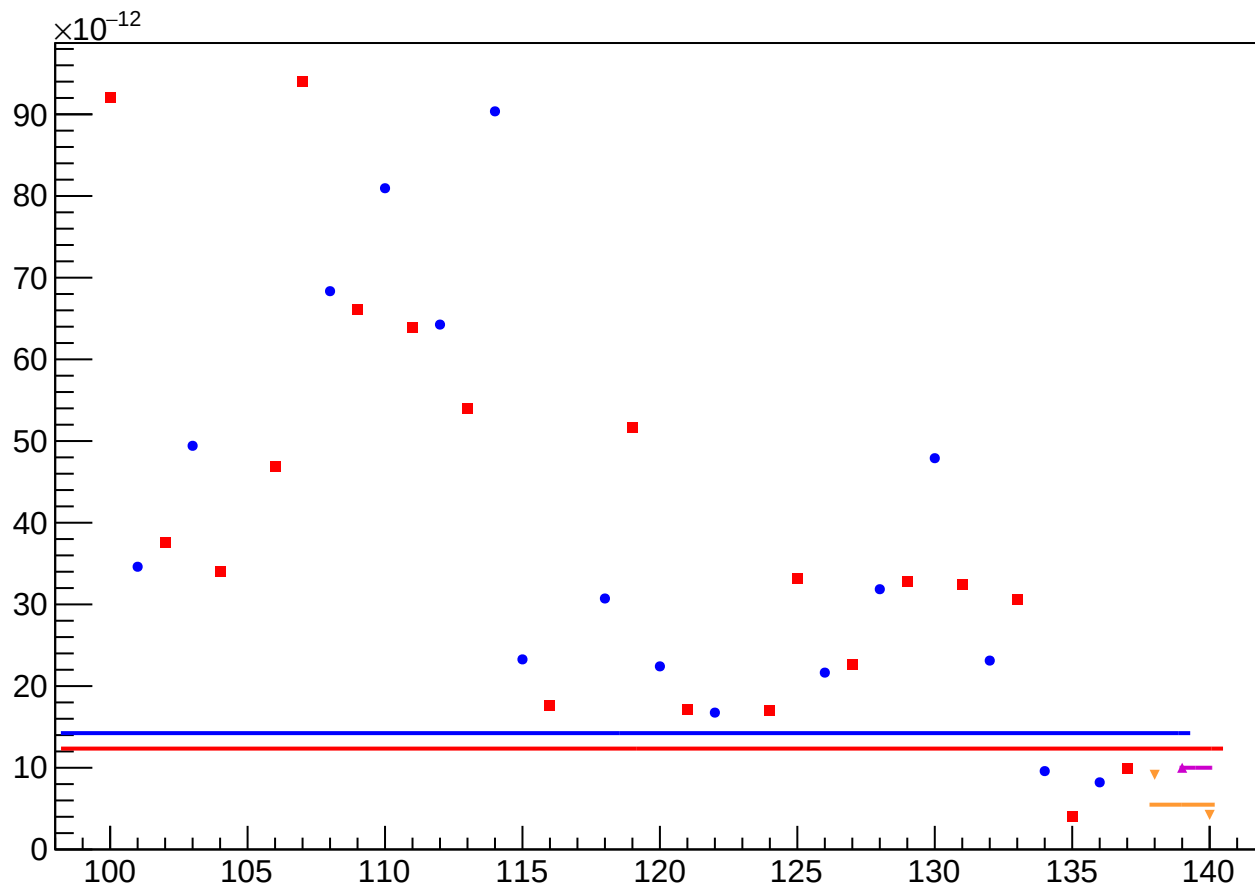
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 20.2/17

All: -0.000 ± 0.000 χ^2/NDF : 50.3/37

- sign -0.000 ± 0.000 χ^2/NDF : 29.6/19

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 187884.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3472954.4/18

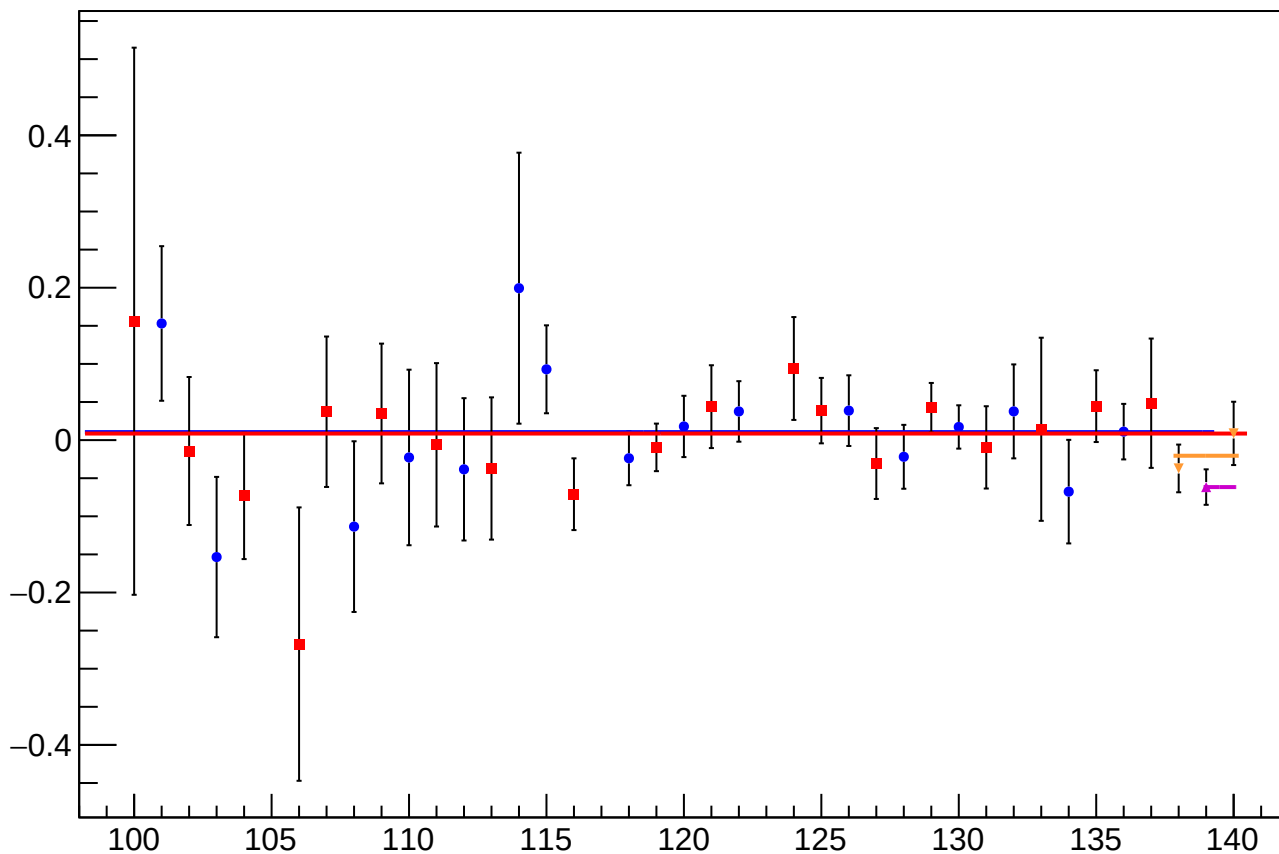
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3643822.1/17

All: 0.000+/-0.000 χ^2/NDF : 7365932.3/37

- sign 0.000+/-0.000 χ^2/NDF : 3507158.9/19

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: -0.021 $\pm$ 0.025 χ^2 /NDF: 0.8/1

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

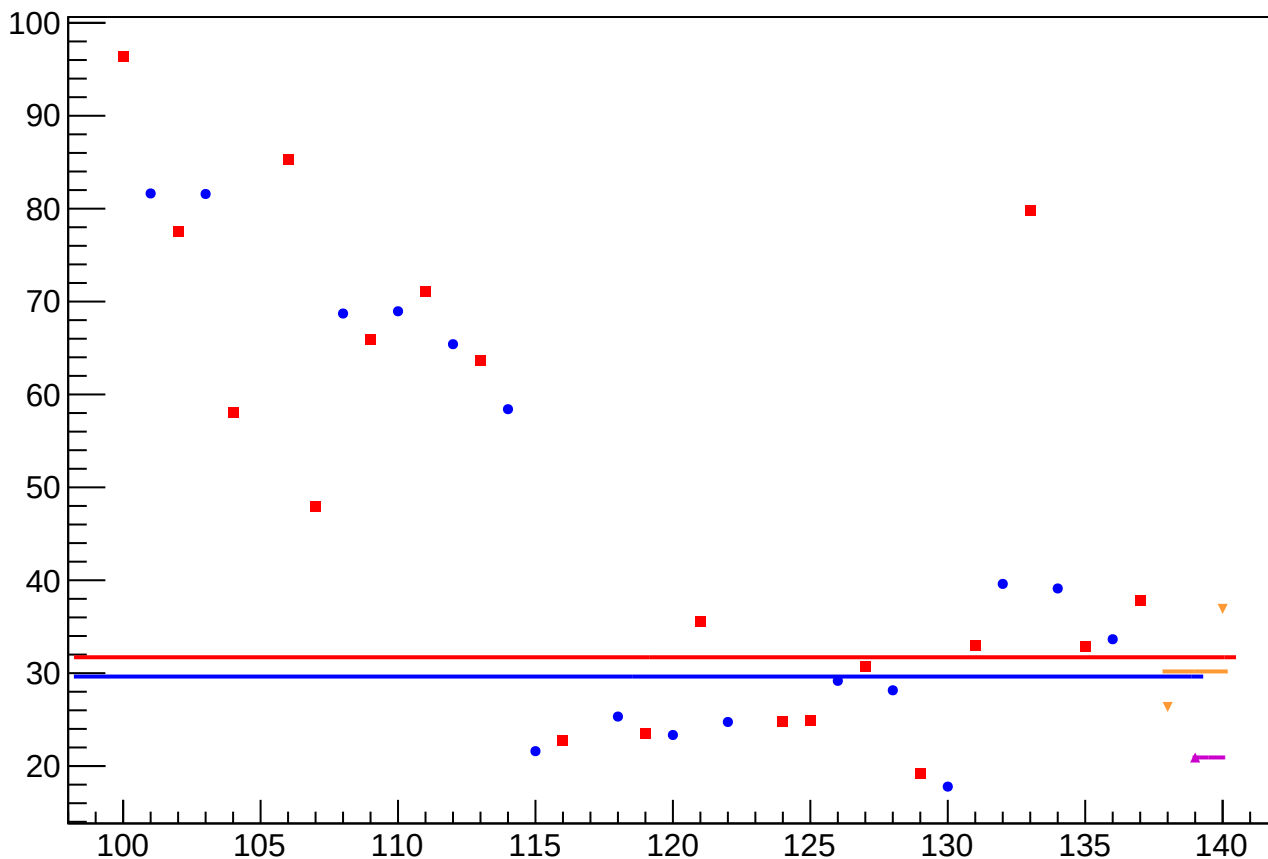
Left In: -0.062 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 0.004 $\pm$ 0.011 χ^2 /NDF: 15.1/17

All: -0.002 $\pm$ 0.008 χ^2 /NDF: 35.1/37

- sign -0.009 $\pm$ 0.012 χ^2 /NDF: 19.3/19

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635 $\pm$ 0.009 χ^2 /NDF: 2448468.0/15

Left Out: 30.184 $\pm$ 0.018 χ^2 /NDF: 82447.7/1

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

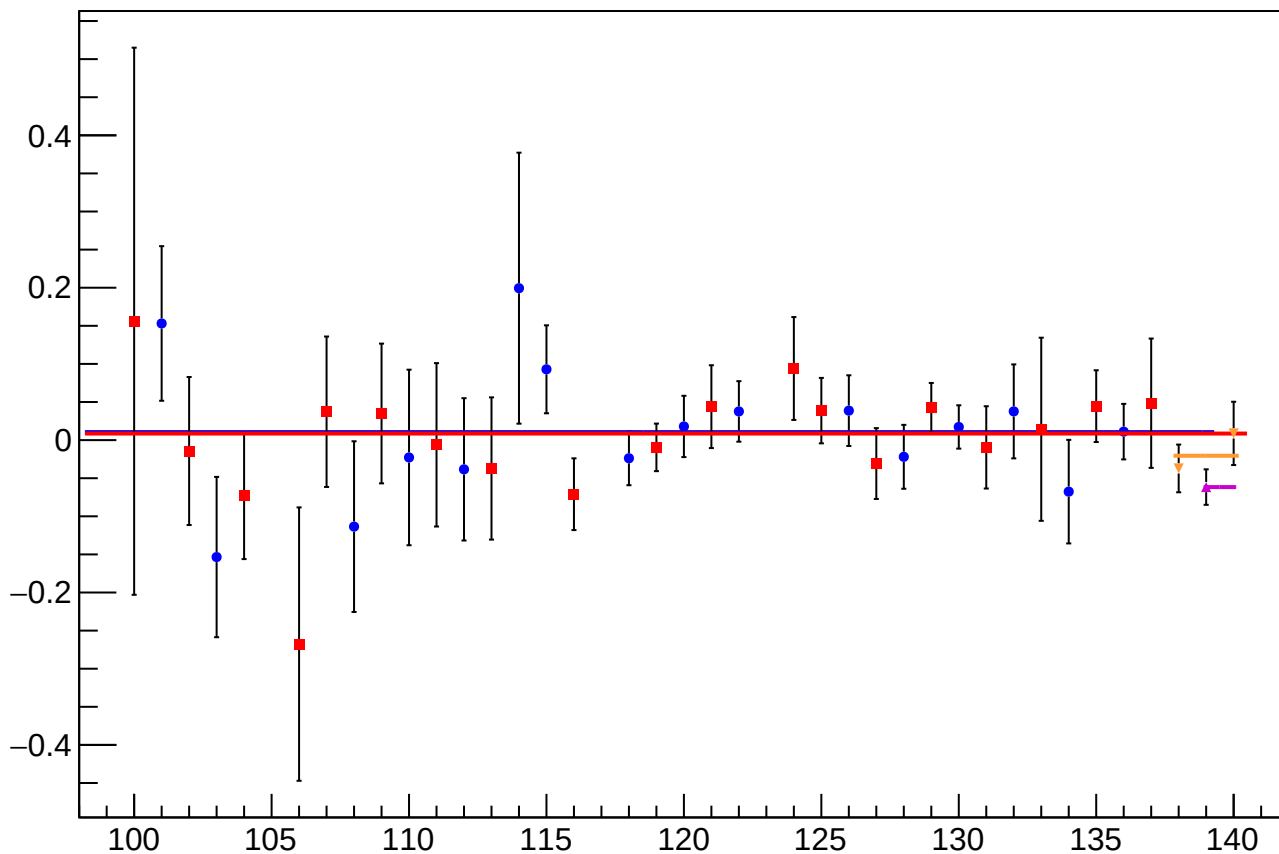
Left In: 20.925 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 29.745 $\pm$ 0.008 χ^2 /NDF: 2531687.0/17

All: 29.419 $\pm$ 0.006 χ^2 /NDF: 5511113.2/37

- sign 29.075 $\pm$ 0.008 χ^2 /NDF: 2975952.3/19

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.013 χ^2/NDF : 13.1/15

Left Out: -0.021 ± 0.025 χ^2/NDF : 0.8/1

Right Out: 0.009 ± 0.013 χ^2/NDF : 12.4/18

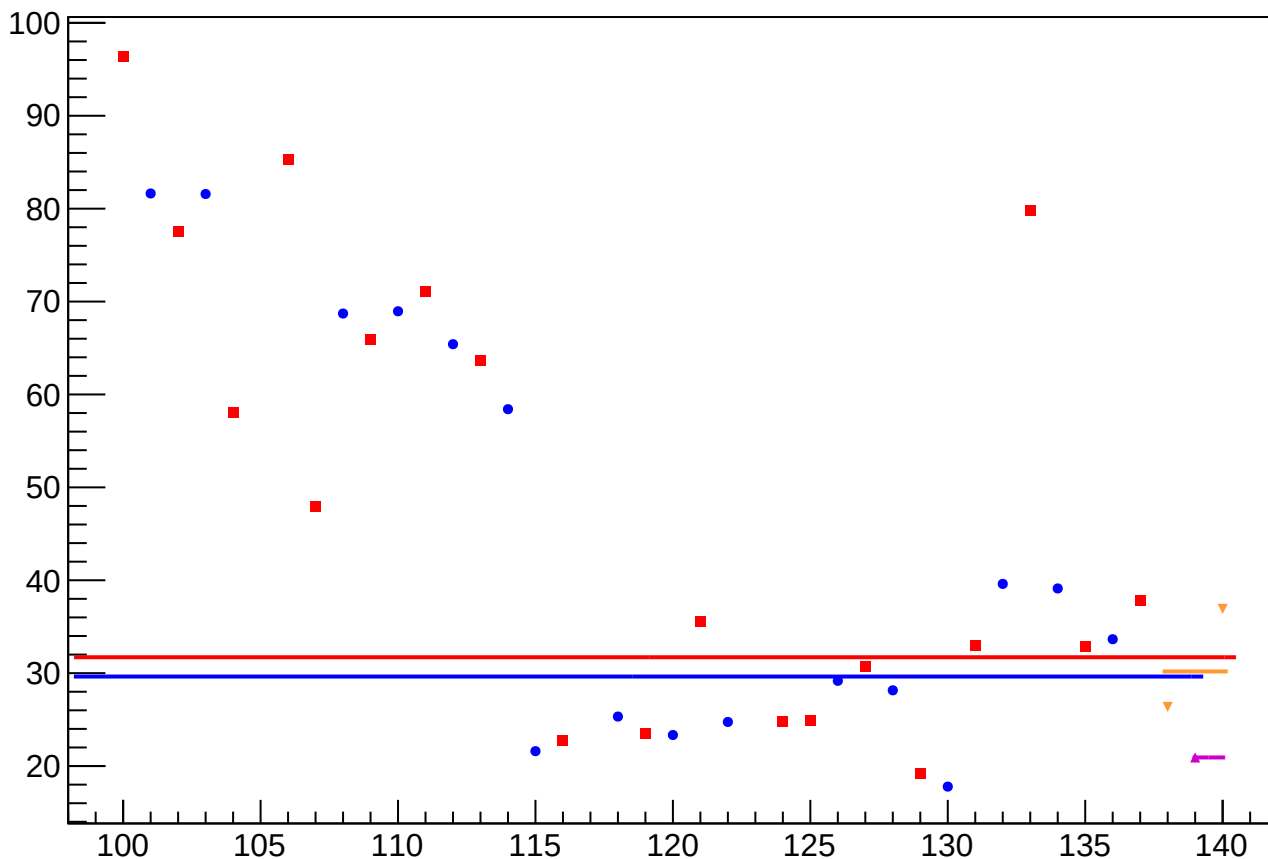
Left In: -0.062 ± 0.023 χ^2/NDF : 0.0/0

+ sign 0.004 ± 0.011 χ^2/NDF : 15.1/17

All: -0.002 ± 0.008 χ^2/NDF : 35.1/37

- sign -0.009 ± 0.012 χ^2/NDF : 19.3/19

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.635 $\pm$ 0.009 χ^2 /NDF: 2448468.0/15

Left Out: 30.184 $\pm$ 0.018 χ^2 /NDF: 82447.7/1

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

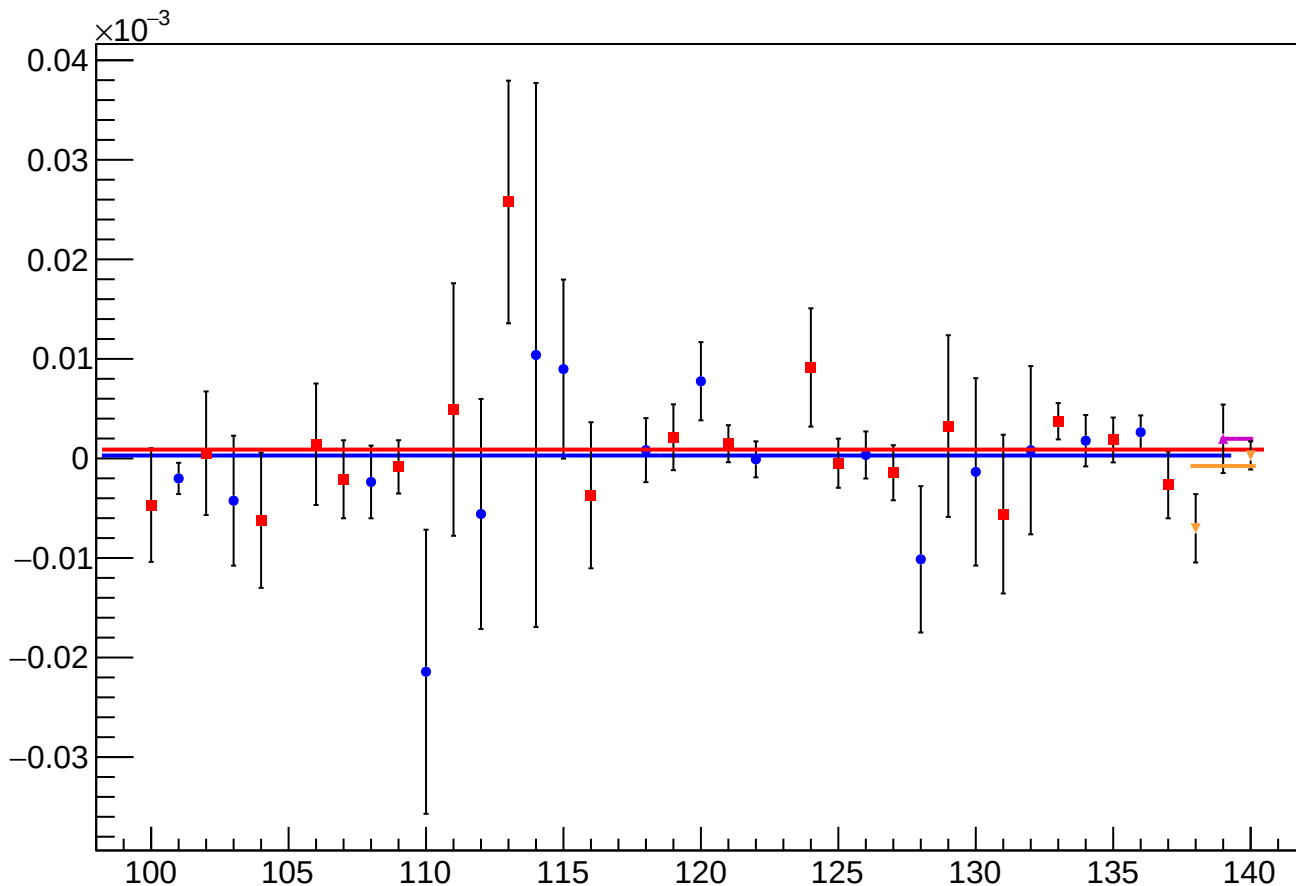
Left In: 20.925 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 29.745 $\pm$ 0.008 χ^2 /NDF: 2531687.0/17

All: 29.419 $\pm$ 0.006 χ^2 /NDF: 5511113.2/37

- sign 29.075 $\pm$ 0.008 χ^2 /NDF: 2975952.3/19

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:3.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/18

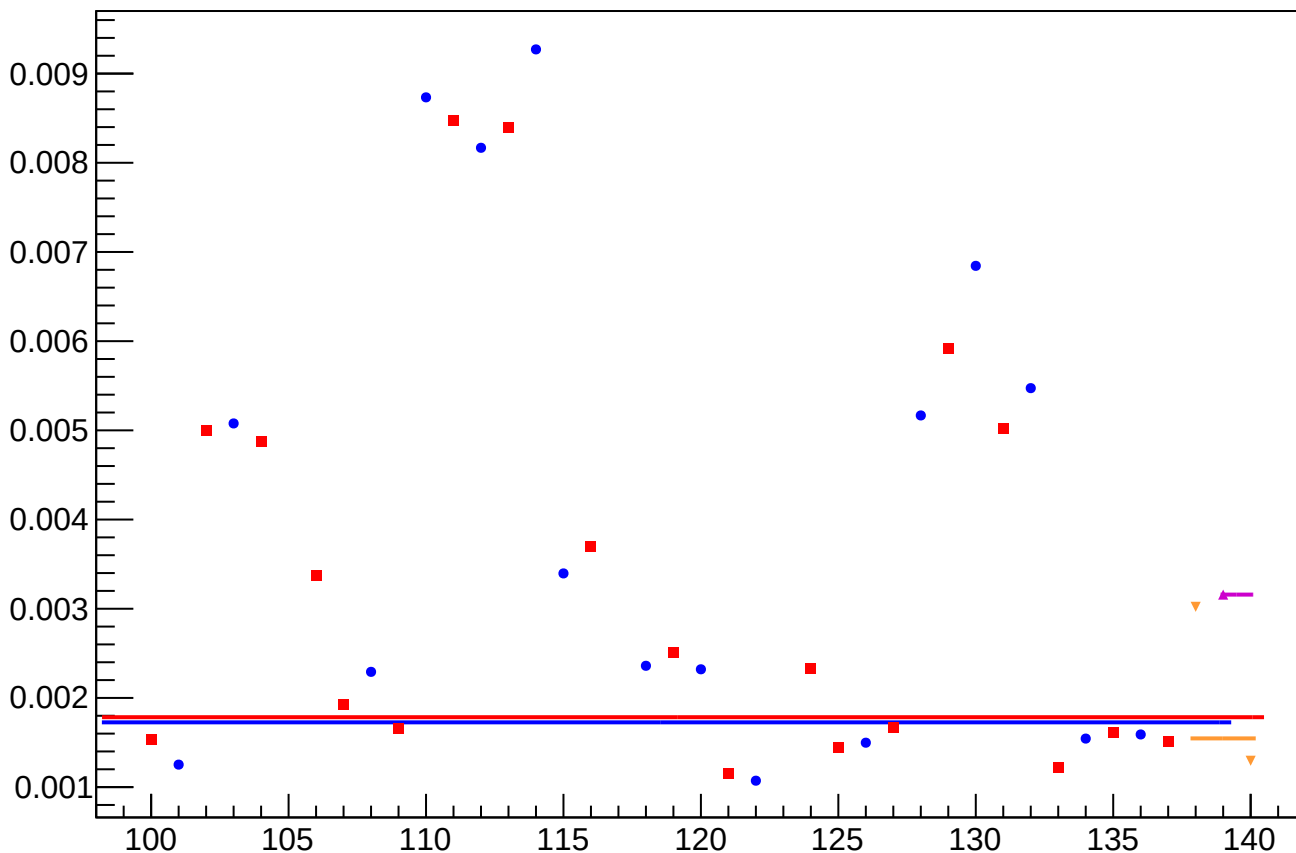
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.5/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/19

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF : 431420.4/1

Right Out: 0.002+/-0.000 χ^2/NDF : 3718778.6/18

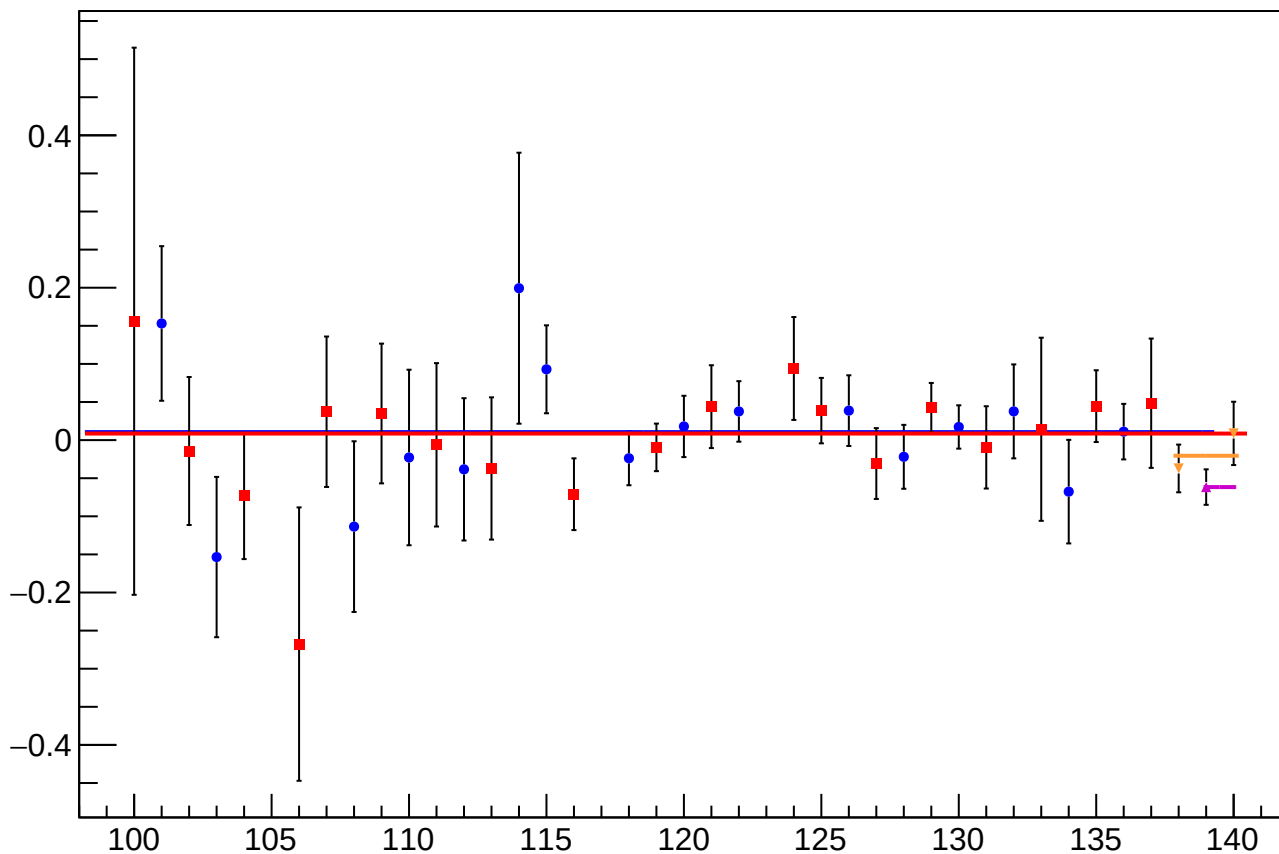
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.002+/-0.000 χ^2/NDF : 4391912.9/17

All: 0.002+/-0.000 χ^2/NDF : 8472069.0/37

- sign 0.002+/-0.000 χ^2/NDF : 4022859.9/19

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: -0.021 $\pm$ 0.025 χ^2 /NDF: 0.8/1

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

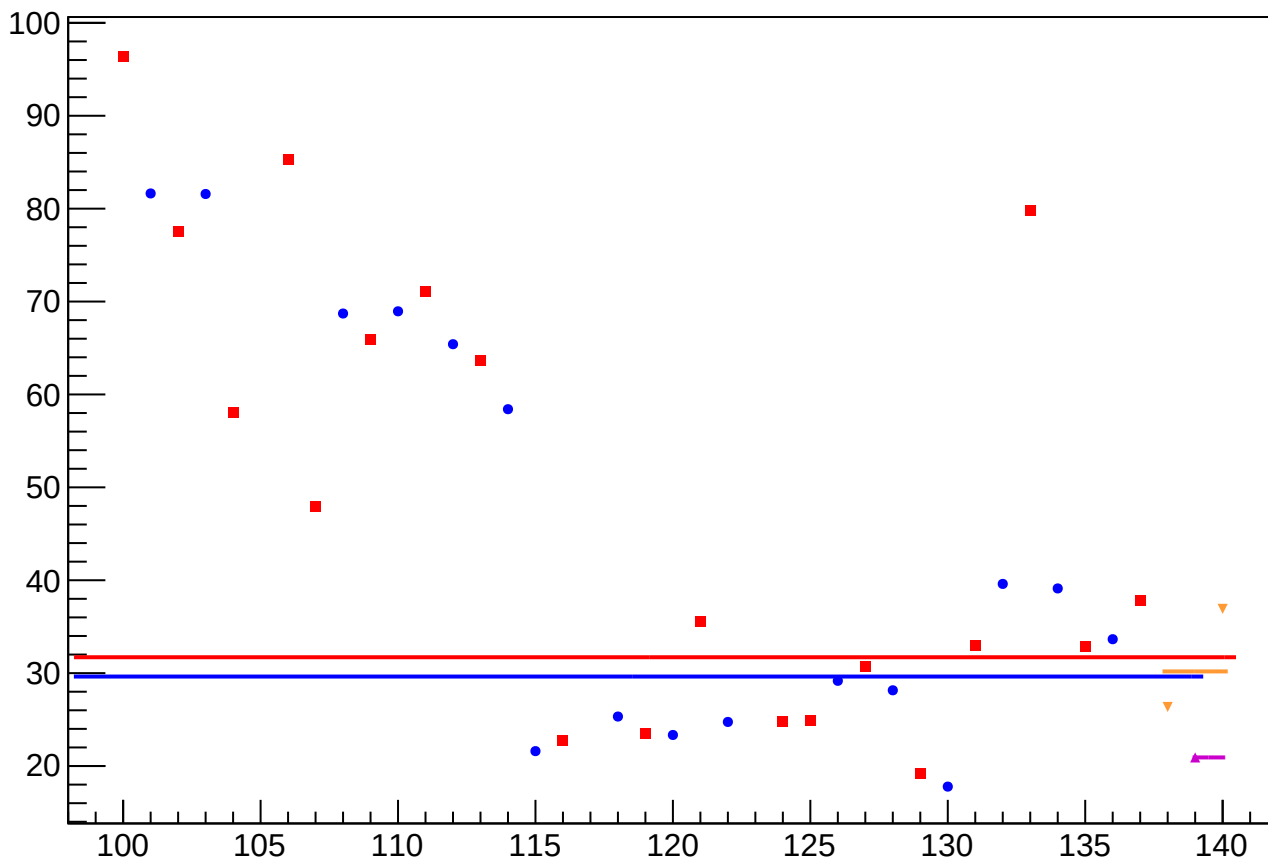
Left In: -0.062 $\pm$ 0.023 χ^2 /NDF: 0.0/0

+ sign 0.004 $\pm$ 0.011 χ^2 /NDF: 15.1/17

All: -0.002 $\pm$ 0.008 χ^2 /NDF: 35.1/37

- sign -0.009 $\pm$ 0.012 χ^2 /NDF: 19.3/19

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.633 $\pm$ 0.009 χ^2 /NDF: 2448670.6/15

Left Out: 30.184 $\pm$ 0.018 χ^2 /NDF: 82453.8/1

Right Out: 31.711 $\pm$ 0.009 χ^2 /NDF: 2651638.6/18

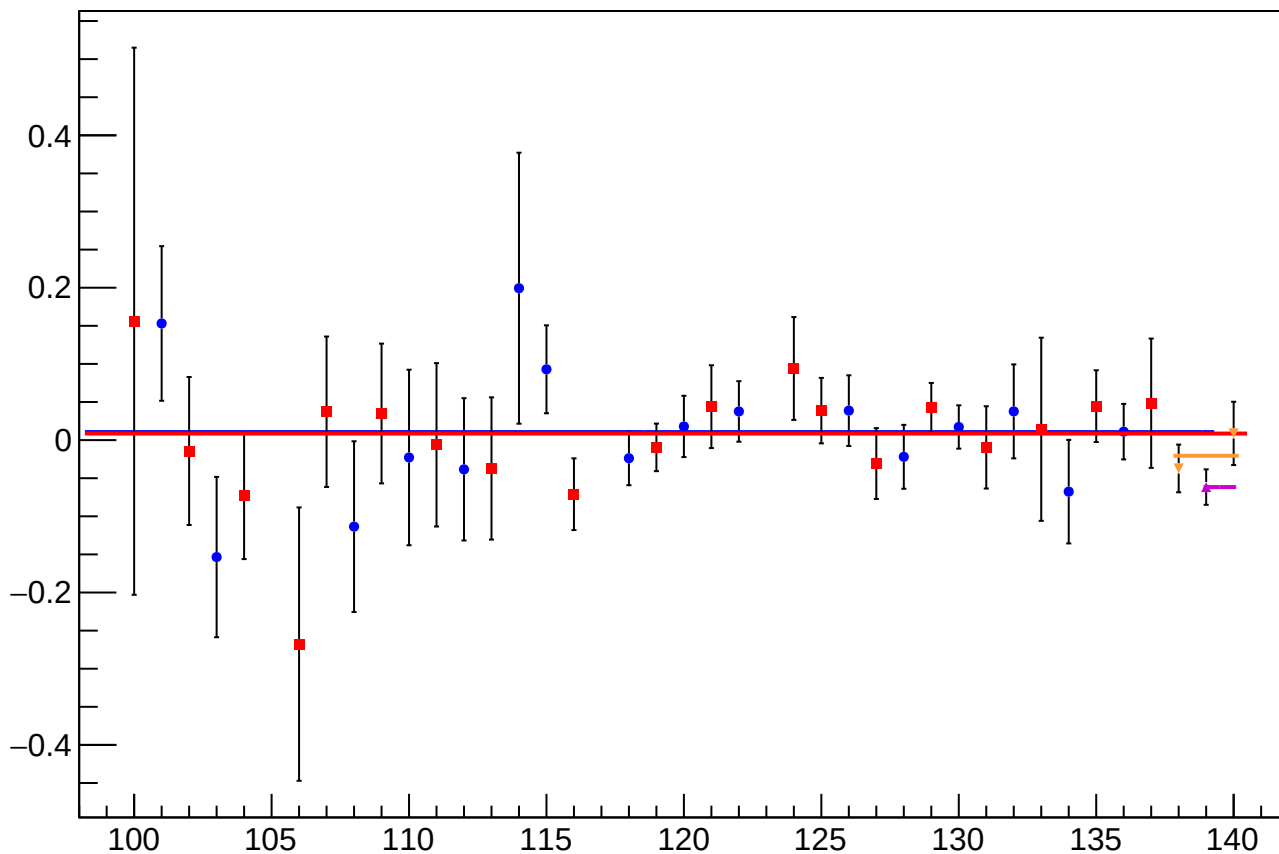
Left In: 20.925 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 29.744 $\pm$ 0.008 χ^2 /NDF: 2531899.3/17

All: 29.418 $\pm$ 0.006 χ^2 /NDF: 5511389.2/37

- sign 29.075 $\pm$ 0.008 χ^2 /NDF: 2976019.2/19

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.013 χ^2/NDF : 13.1/15

Left Out: -0.021 ± 0.025 χ^2/NDF : 0.8/1

Right Out: 0.009 ± 0.013 χ^2/NDF : 12.4/18

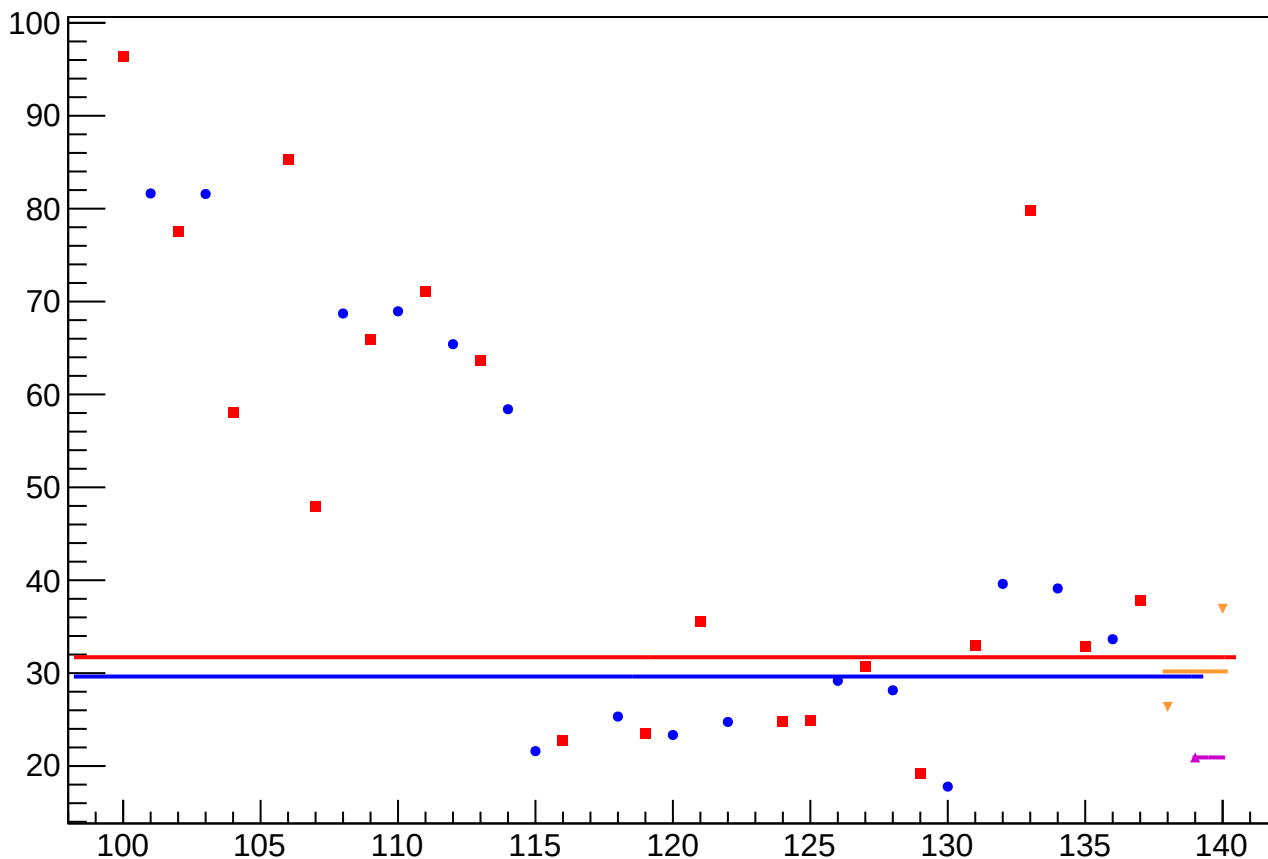
Left In: -0.062 ± 0.023 χ^2/NDF : 0.0/0

+ sign 0.004 ± 0.011 χ^2/NDF : 15.1/17

All: -0.002 ± 0.008 χ^2/NDF : 35.1/37

- sign -0.009 ± 0.012 χ^2/NDF : 19.3/19

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.633 $\pm$ 0.009 χ^2 /NDF: 2448670.6/15

Left Out: 30.184 $\pm$ 0.018 χ^2 /NDF: 82453.8/1

Right Out: 31.711 $\pm$ 0.009 χ^2 /NDF: 2651638.6/18

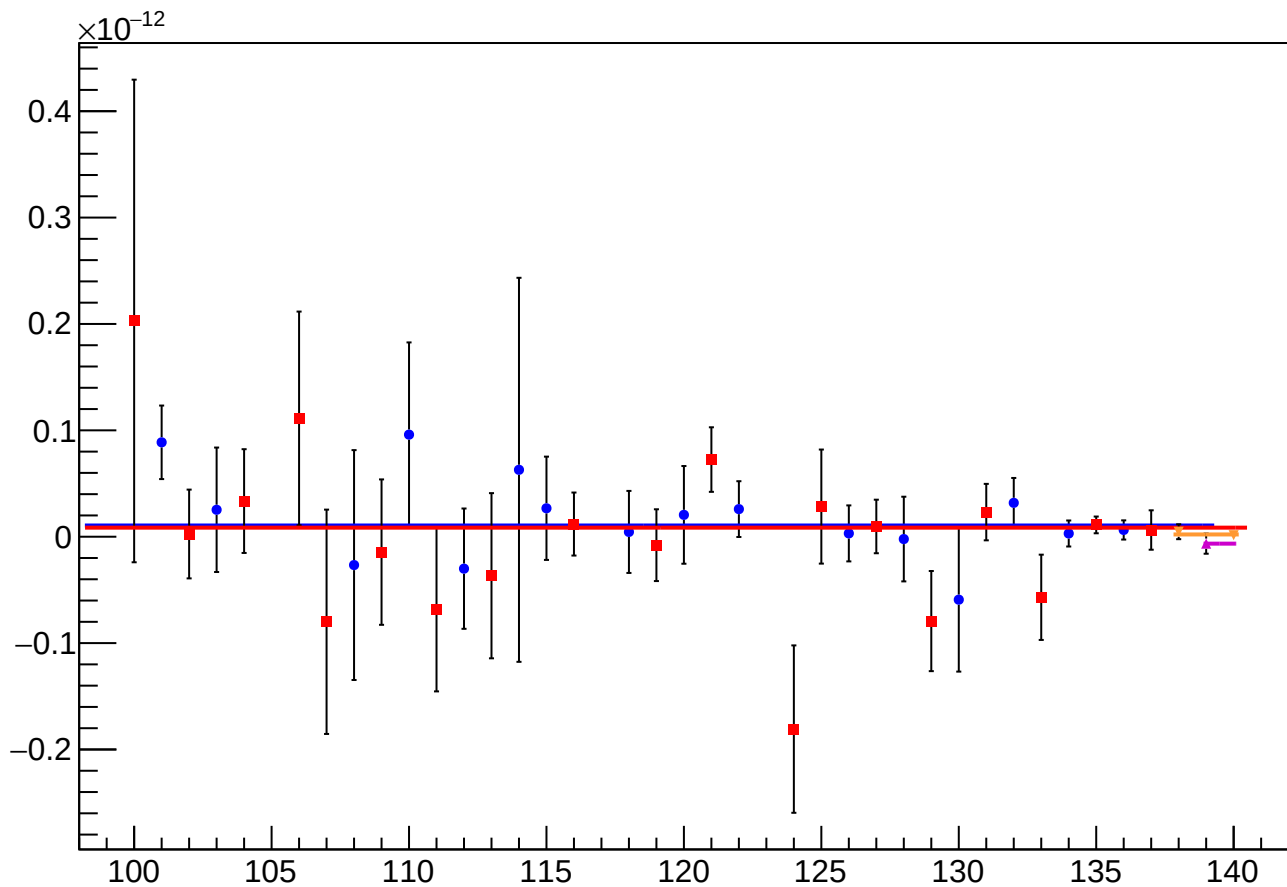
Left In: 20.925 $\pm$ 0.016 χ^2 /NDF: 0.0/0

+ sign 29.744 $\pm$ 0.008 χ^2 /NDF: 2531899.3/17

All: 29.418 $\pm$ 0.006 χ^2 /NDF: 5511389.2/37

- sign 29.075 $\pm$ 0.008 χ^2 /NDF: 2976019.2/19

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.4/18

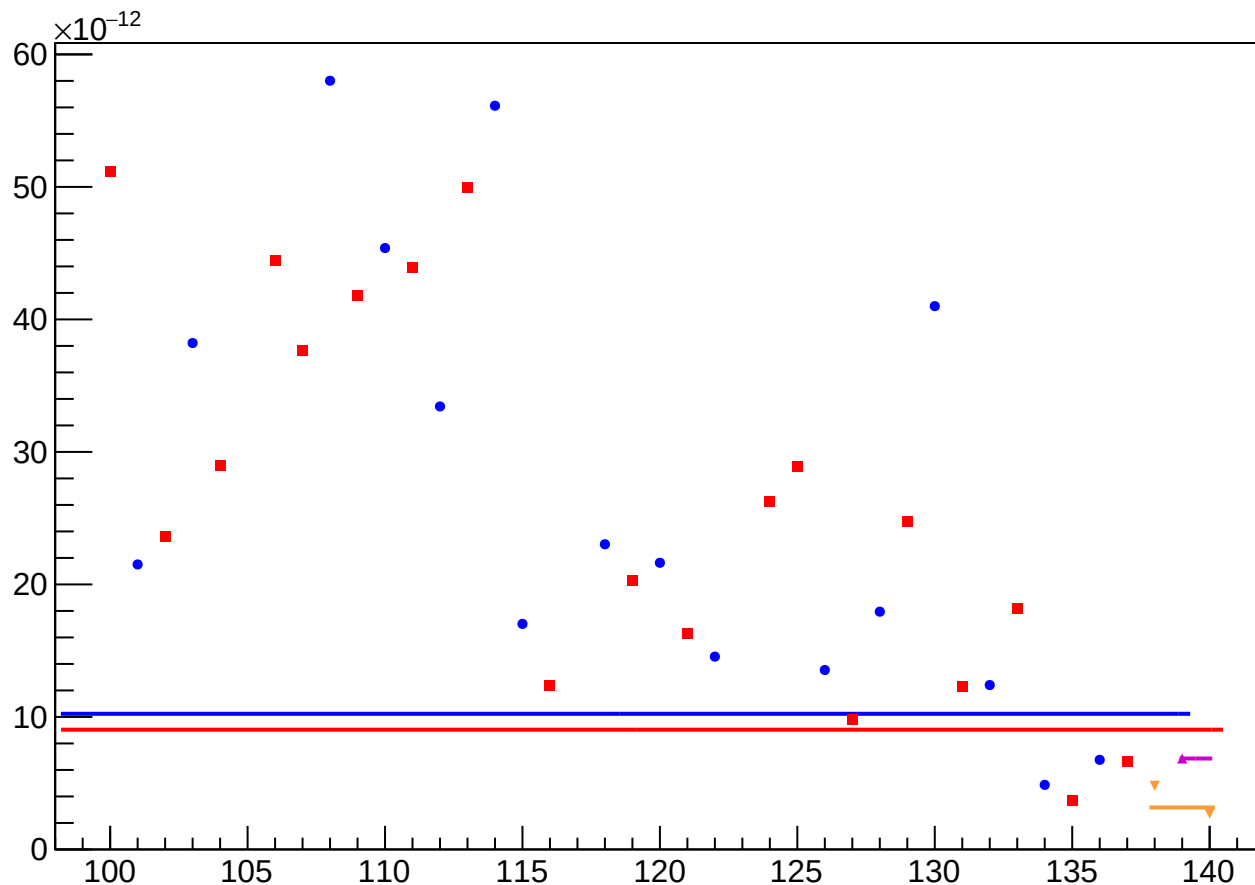
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 11.7/17

All: 0.000 ± 0.000 χ^2/NDF : 35.0/37

- sign 0.000 ± 0.000 χ^2/NDF : 23.2/19

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3511693.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:139951.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4514368.5/18

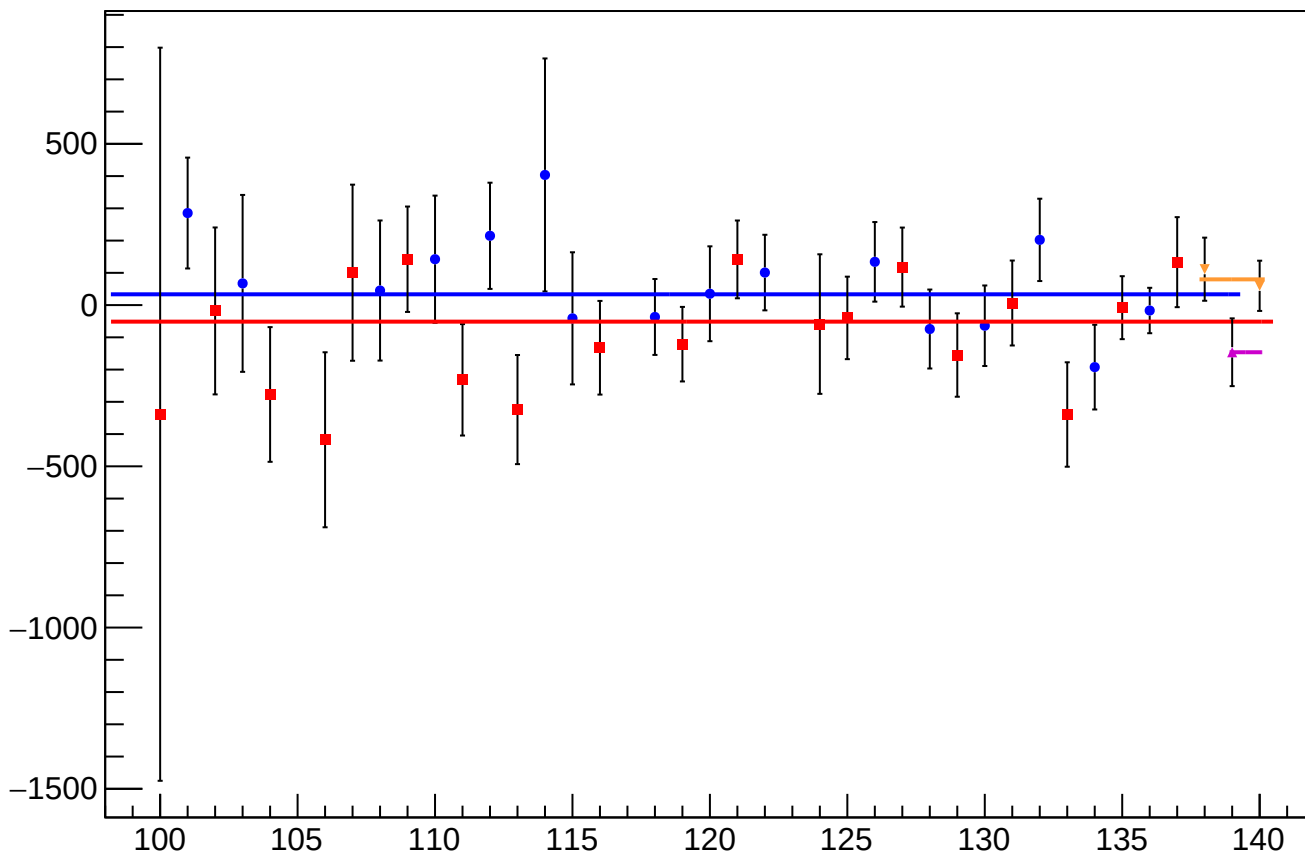
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5781836.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11146965.2/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4590261.1/19

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 79.747 $\pm$ 60.939 χ^2 /NDF: 0.2/1

Right Out: -51.335 $\pm$ 34.851 χ^2 /NDF: 19.6/18

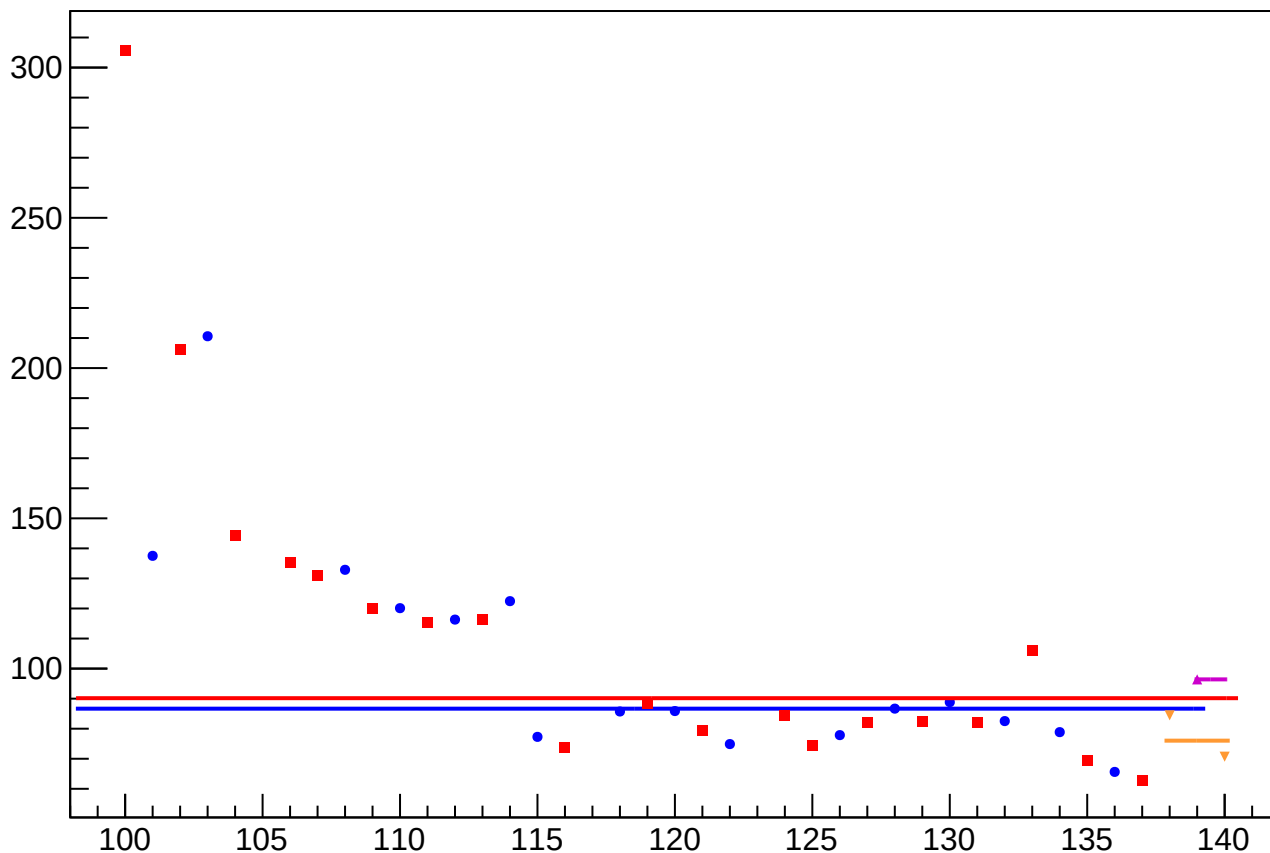
Left In: -146.246 $\pm$ 105.078 χ^2 /NDF: 0.0/0

+ sign 44.367 $\pm$ 29.612 χ^2 /NDF: 13.4/17

All: -2.391 $\pm$ 22.063 χ^2 /NDF: 39.3/37

- sign -60.741 $\pm$ 33.079 χ^2 /NDF: 20.3/19

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038813.4/15

Left Out: 76.021 $\pm$ 0.043 χ^2 /NDF: 24220.7/1

Right Out: 90.153 $\pm$ 0.025 χ^2 /NDF: 1149976.9/18

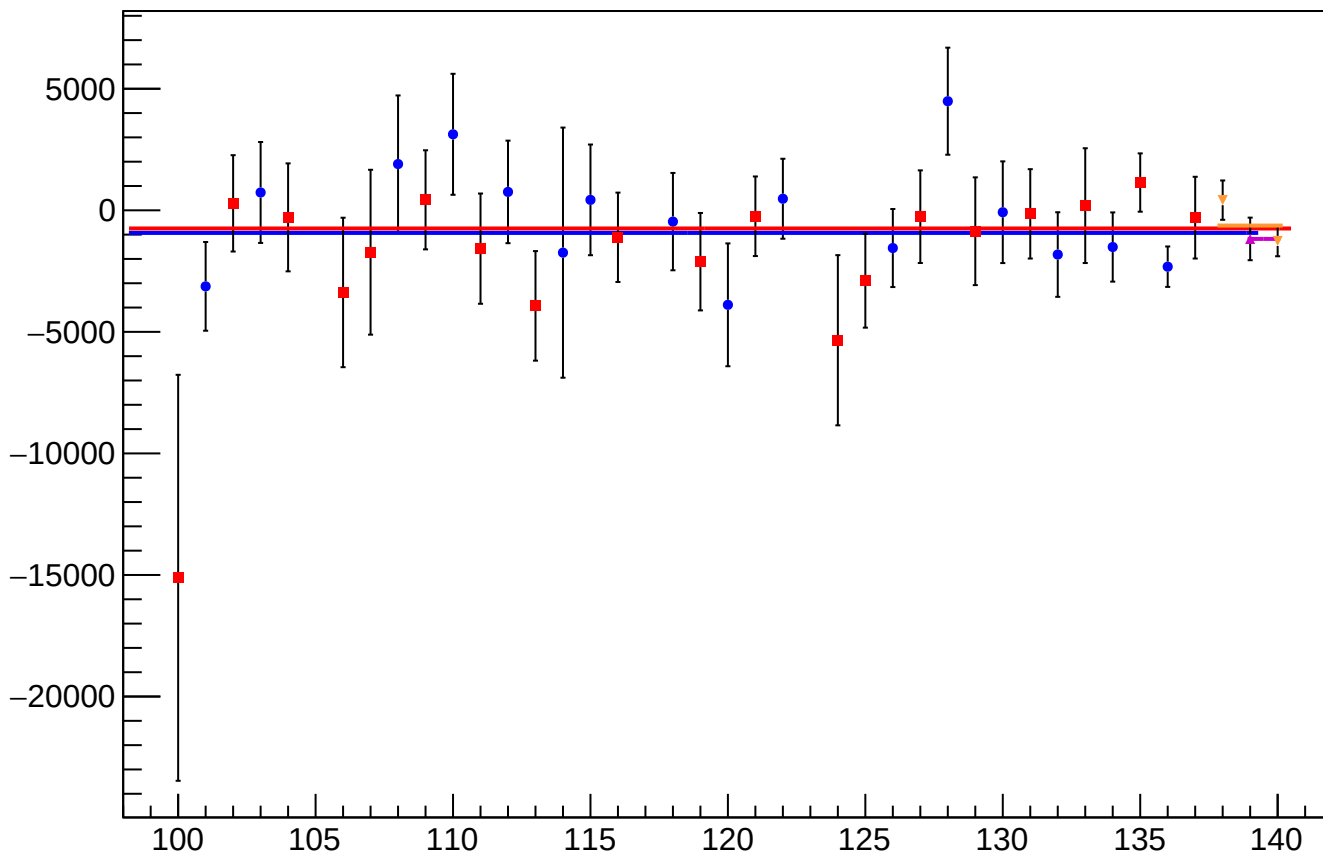
Left In: 96.410 $\pm$ 0.074 χ^2 /NDF: 0.0/0

+ sign 84.153 $\pm$ 0.021 χ^2 /NDF: 1109654.6/17

All: 87.098 $\pm$ 0.016 χ^2 /NDF: 2310492.7/37

- sign 90.773 $\pm$ 0.023 χ^2 /NDF: 1156365.0/19

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -929.821+/-440.893 χ^2/NDF : 18.5/15

Left Out: -626.911+/-496.800 χ^2/NDF : 2.7/1

Right Out: -747.199+/-467.902 χ^2/NDF : 13.0/18

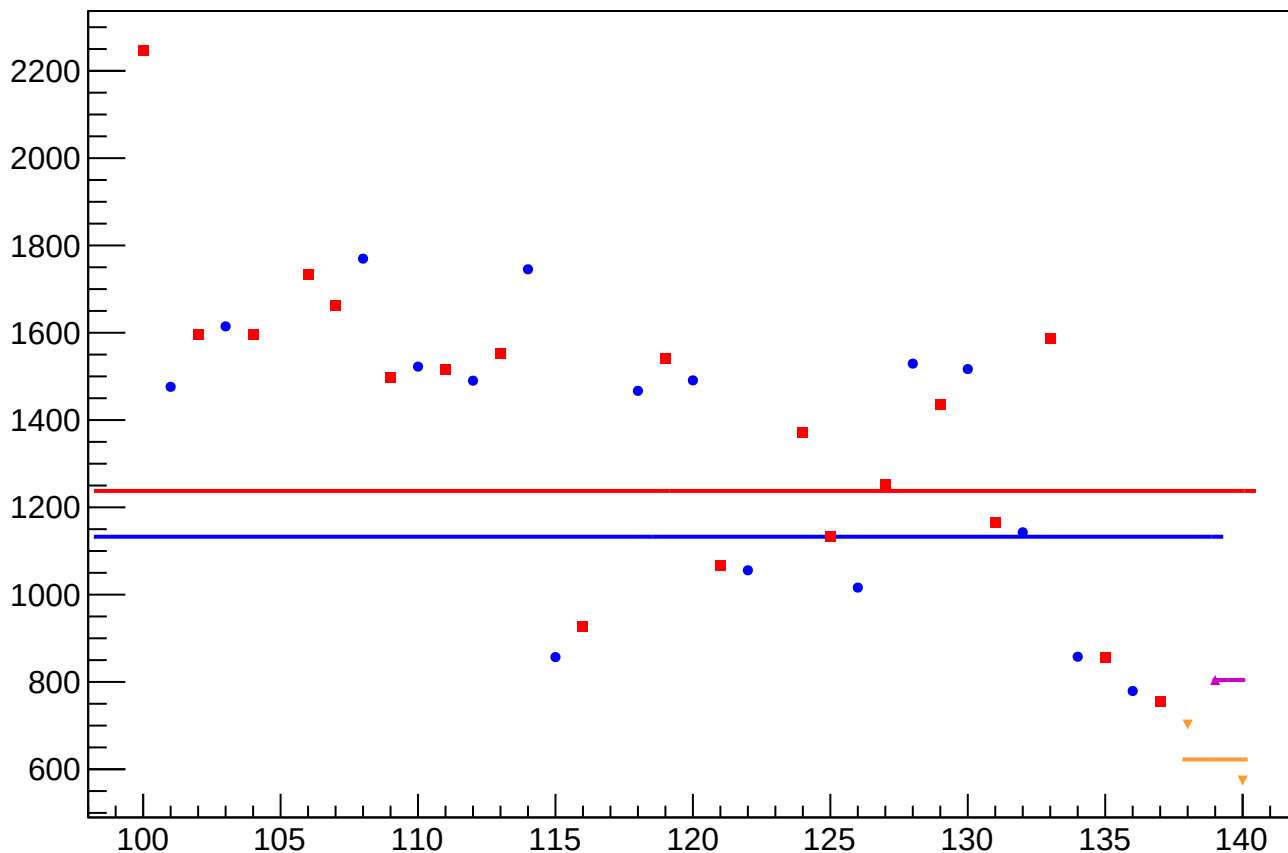
Left In: -1176.649+/-875.759 χ^2/NDF : 0.0/0

+ sign -796.362+/-329.760 χ^2/NDF : 21.4/17

All: -814.366+/-257.619 χ^2/NDF : 34.6/37

- sign -842.565+/-412.692 χ^2/NDF : 13.2/19

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF : 1124151.1/15

Left Out: 622.362+/-0.351 χ^2/NDF : 31315.3/1

Right Out: 1237.591+/-0.331 χ^2/NDF : 895314.3/18

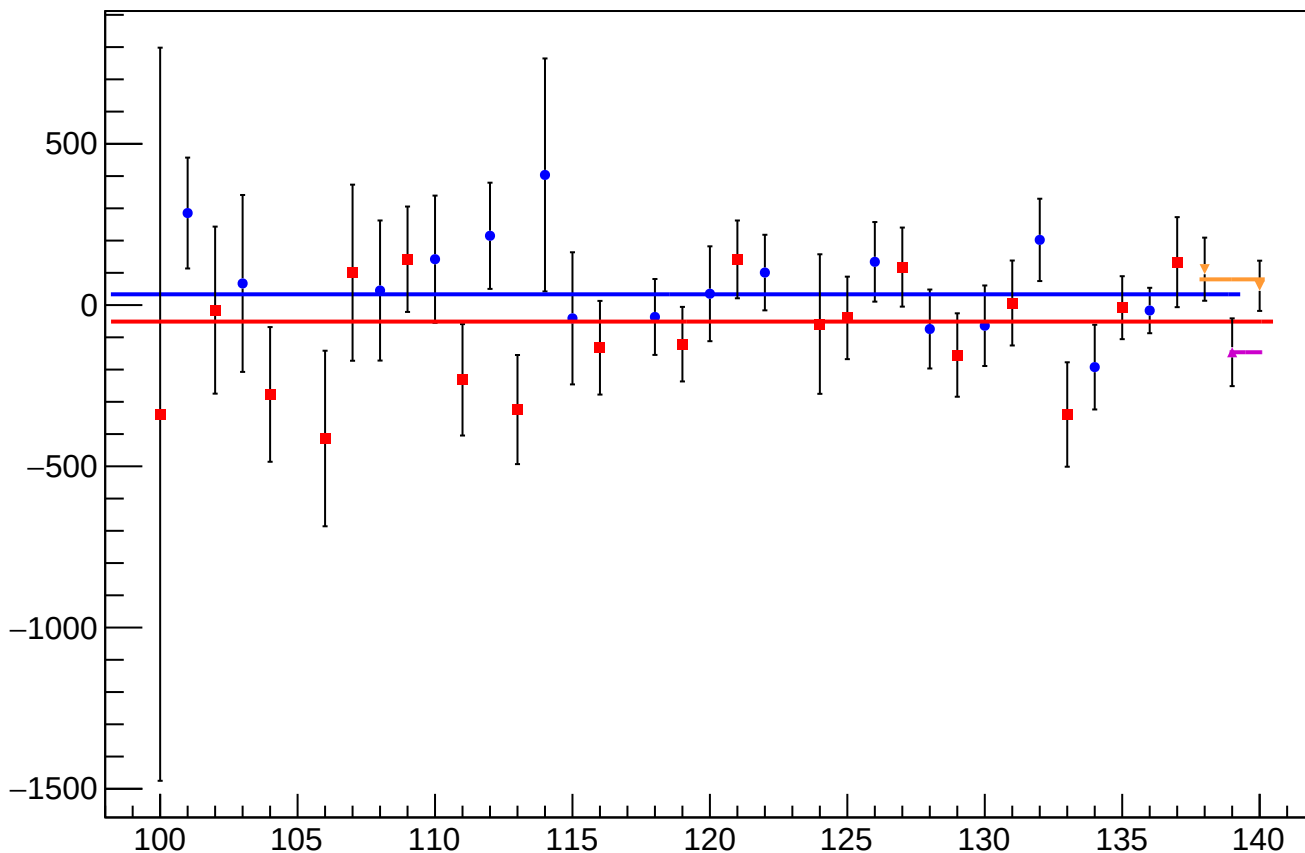
Left In: 804.463+/-0.619 χ^2/NDF : 0.0/0

+ sign 907.844+/-0.233 χ^2/NDF : 2336040.0/17

All: 998.858+/-0.182 χ^2/NDF : 4002899.9/37

- sign 1141.408+/-0.292 χ^2/NDF : 1275884.5/19

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 79.753 $\pm$ 60.939 χ^2 /NDF: 0.2/1

Right Out: -51.188 $\pm$ 34.853 χ^2 /NDF: 19.5/18

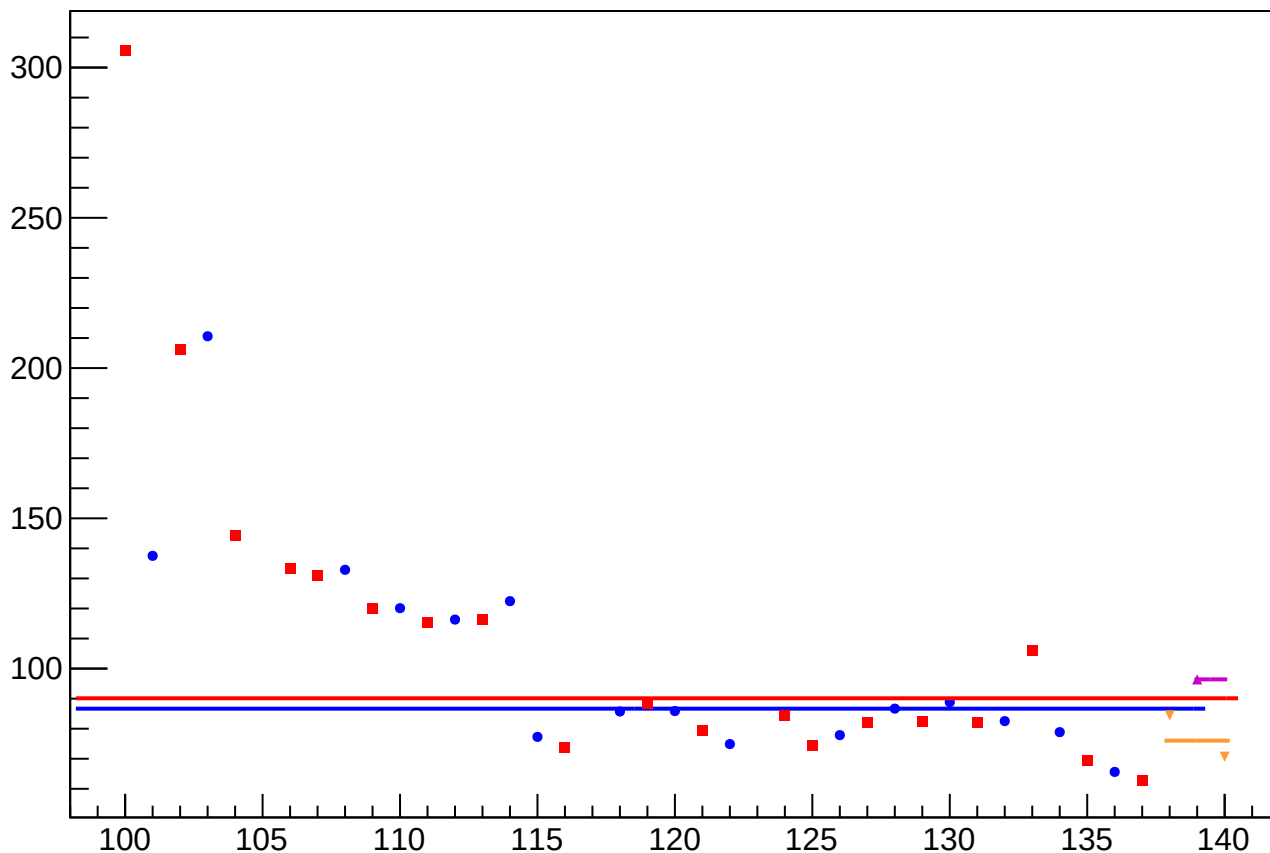
Left In: -146.261 $\pm$ 105.078 χ^2 /NDF: 0.0/0

+ sign 44.362 $\pm$ 29.612 χ^2 /NDF: 13.4/17

All: -2.333 $\pm$ 22.064 χ^2 /NDF: 39.3/37

- sign -60.611 $\pm$ 33.081 χ^2 /NDF: 20.2/19

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038816.2/15

Left Out: 76.021 $\pm$ 0.043 χ^2 /NDF: 24220.7/1

Right Out: 90.116 $\pm$ 0.025 χ^2 /NDF: 1145283.2/18

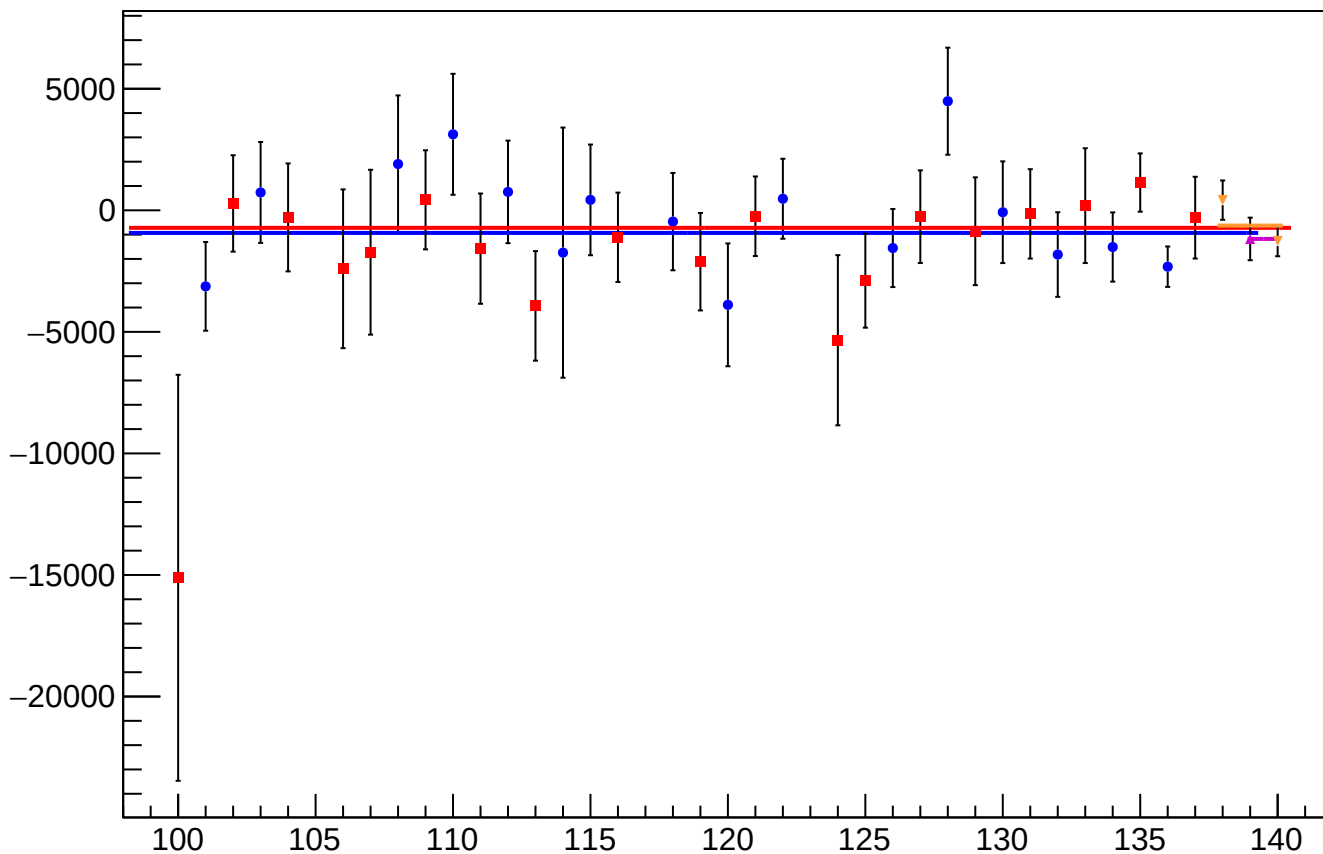
Left In: 96.410 $\pm$ 0.074 χ^2 /NDF: 0.0/0

+ sign 84.153 $\pm$ 0.021 χ^2 /NDF: 1109657.4/17

All: 87.083 $\pm$ 0.016 χ^2 /NDF: 2305428.3/37

- sign 90.740 $\pm$ 0.023 χ^2 /NDF: 1151747.2/19

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -929.788+/-440.894 χ^2/NDF : 18.5/15

Left Out: -626.898+/-496.799 χ^2/NDF : 2.7/1

Right Out: -720.600+/-468.540 χ^2/NDF : 12.5/18

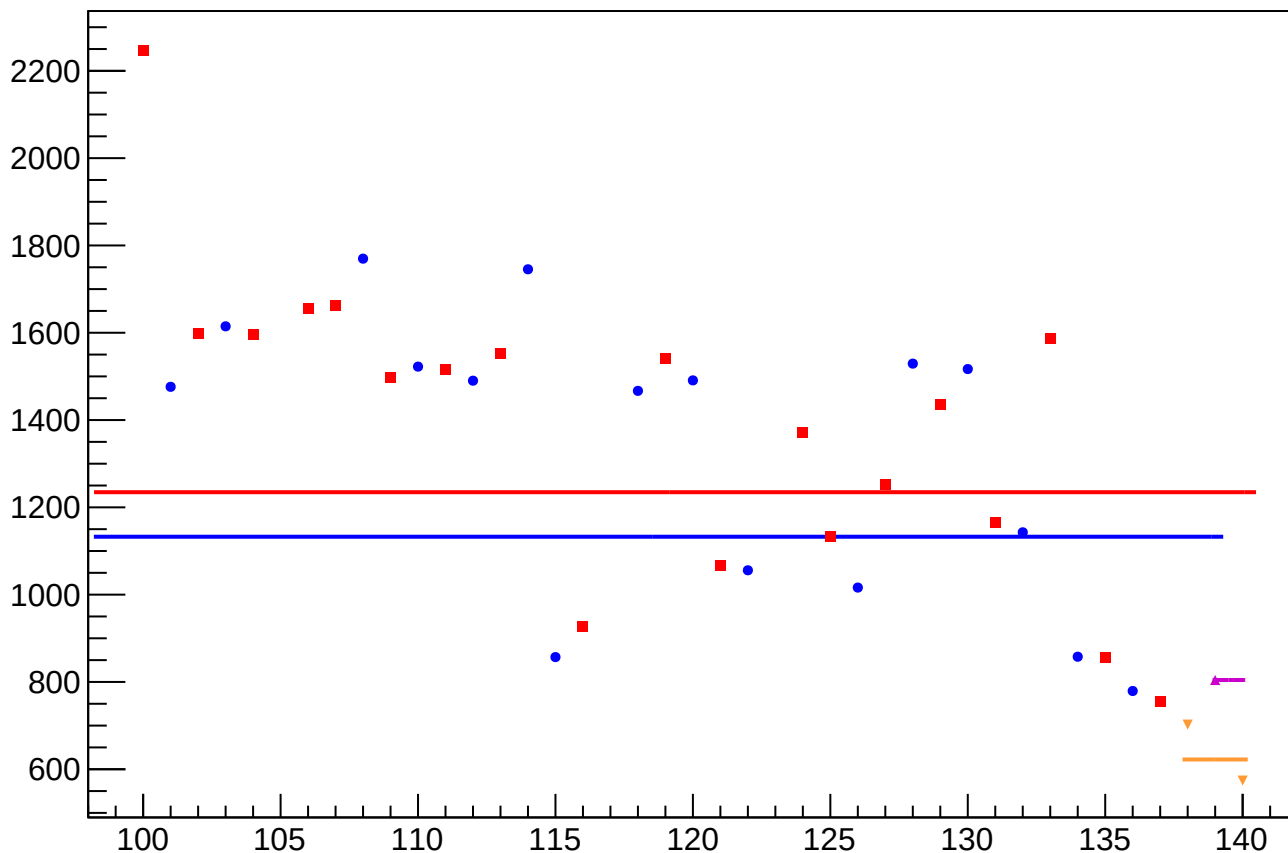
Left In: -1176.664+/-875.759 χ^2/NDF : 0.0/0

+ sign -796.337+/-329.761 χ^2/NDF : 21.4/17

All: -806.360+/-257.726 χ^2/NDF : 34.1/37

- sign -822.092+/-413.130 χ^2/NDF : 12.7/19

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF : 1124187.2/15

Left Out: 622.361+/-0.351 χ^2/NDF : 31315.4/1

Right Out: 1234.709+/-0.331 χ^2/NDF : 876272.4/18

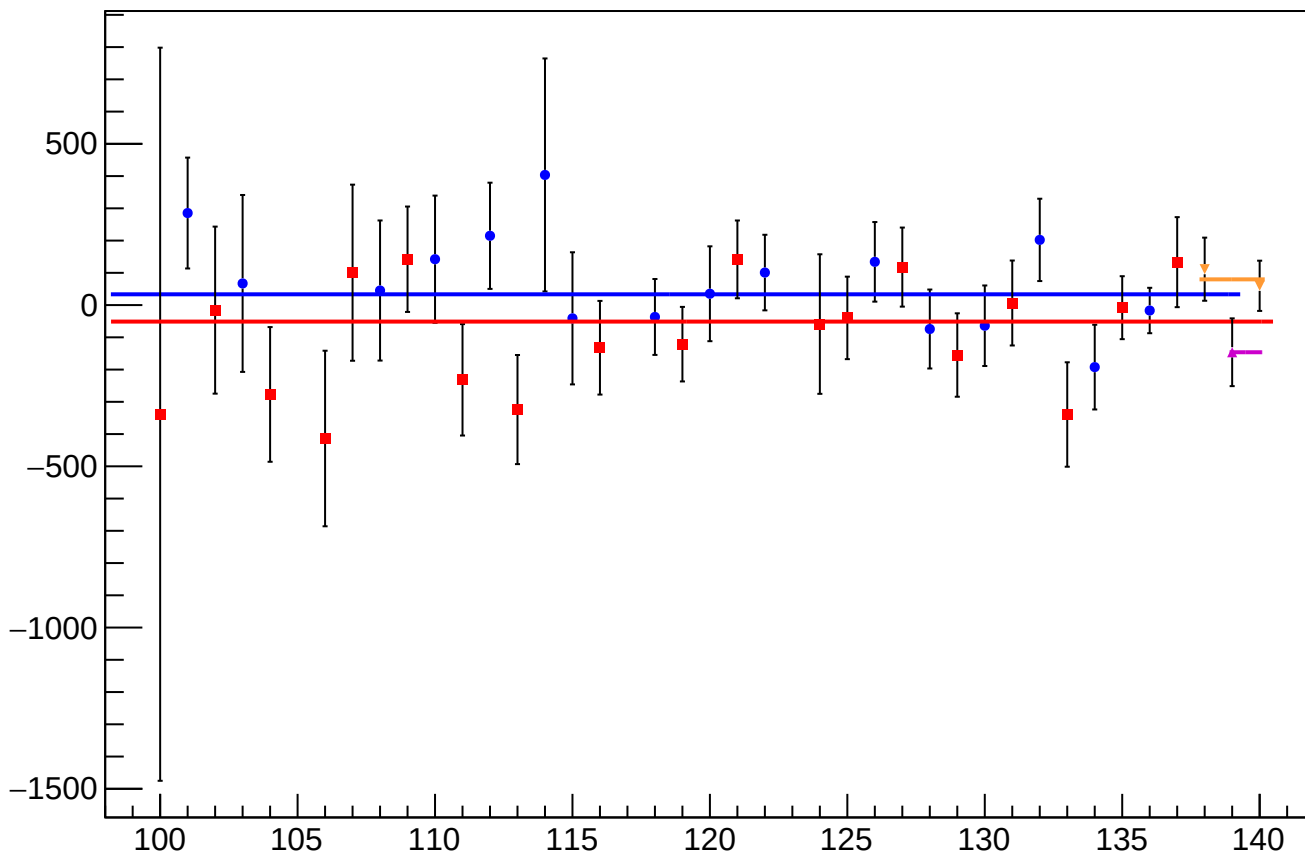
Left In: 804.463+/-0.619 χ^2/NDF : 0.0/0

+ sign 907.843+/-0.233 χ^2/NDF : 2336083.8/17

All: 997.789+/-0.182 χ^2/NDF : 3969990.8/37

- sign 1138.963+/-0.292 χ^2/NDF : 1251567.6/19

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 79.753 $\pm$ 60.939 χ^2 /NDF: 0.2/1

Right Out: -51.188 $\pm$ 34.853 χ^2 /NDF: 19.5/18

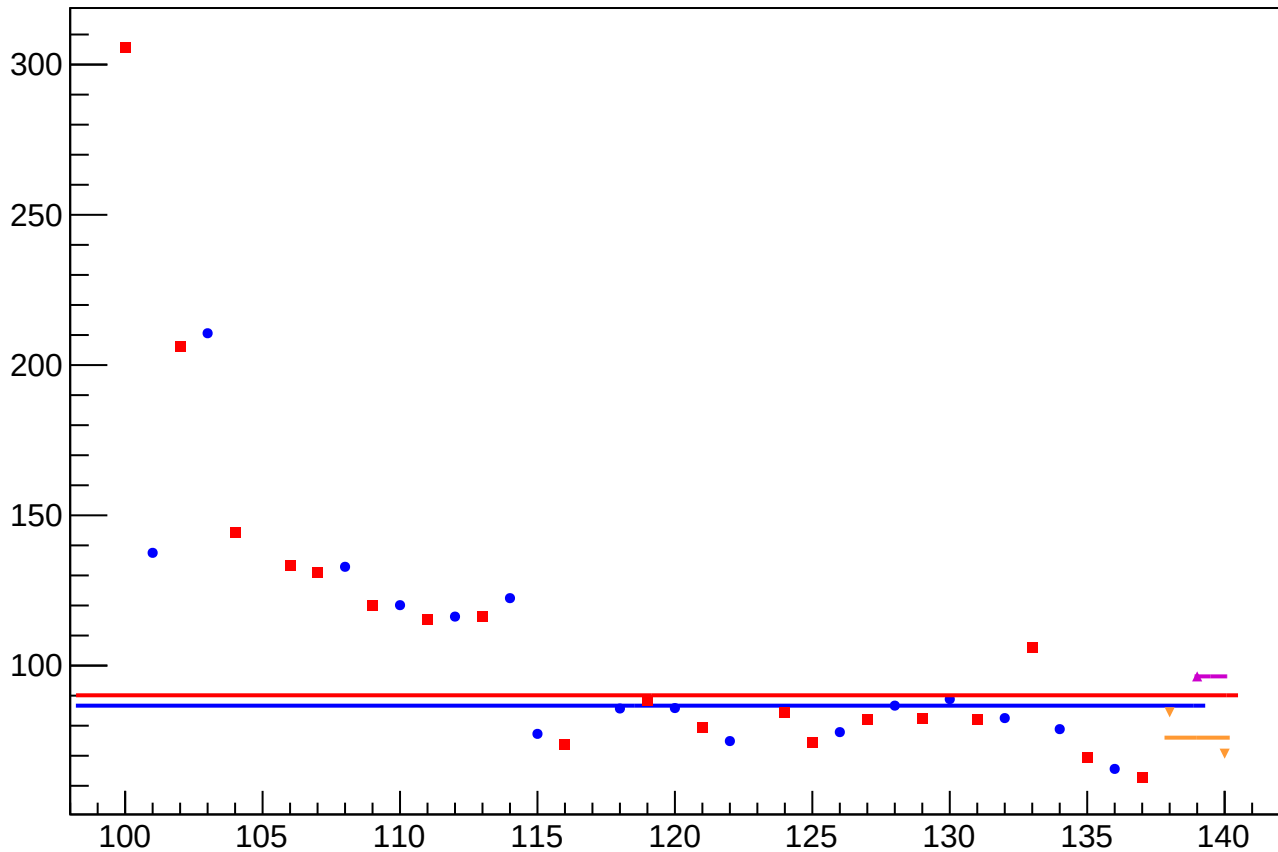
Left In: -146.261 $\pm$ 105.078 χ^2 /NDF: 0.0/0

+ sign 44.362 $\pm$ 29.612 χ^2 /NDF: 13.4/17

All: -2.333 $\pm$ 22.064 χ^2 /NDF: 39.3/37

- sign -60.611 $\pm$ 33.081 χ^2 /NDF: 20.2/19

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038816.2/15

Left Out: 76.021 $\pm$ 0.043 χ^2 /NDF: 24220.7/1

Right Out: 90.116 $\pm$ 0.025 χ^2 /NDF: 1145283.2/18

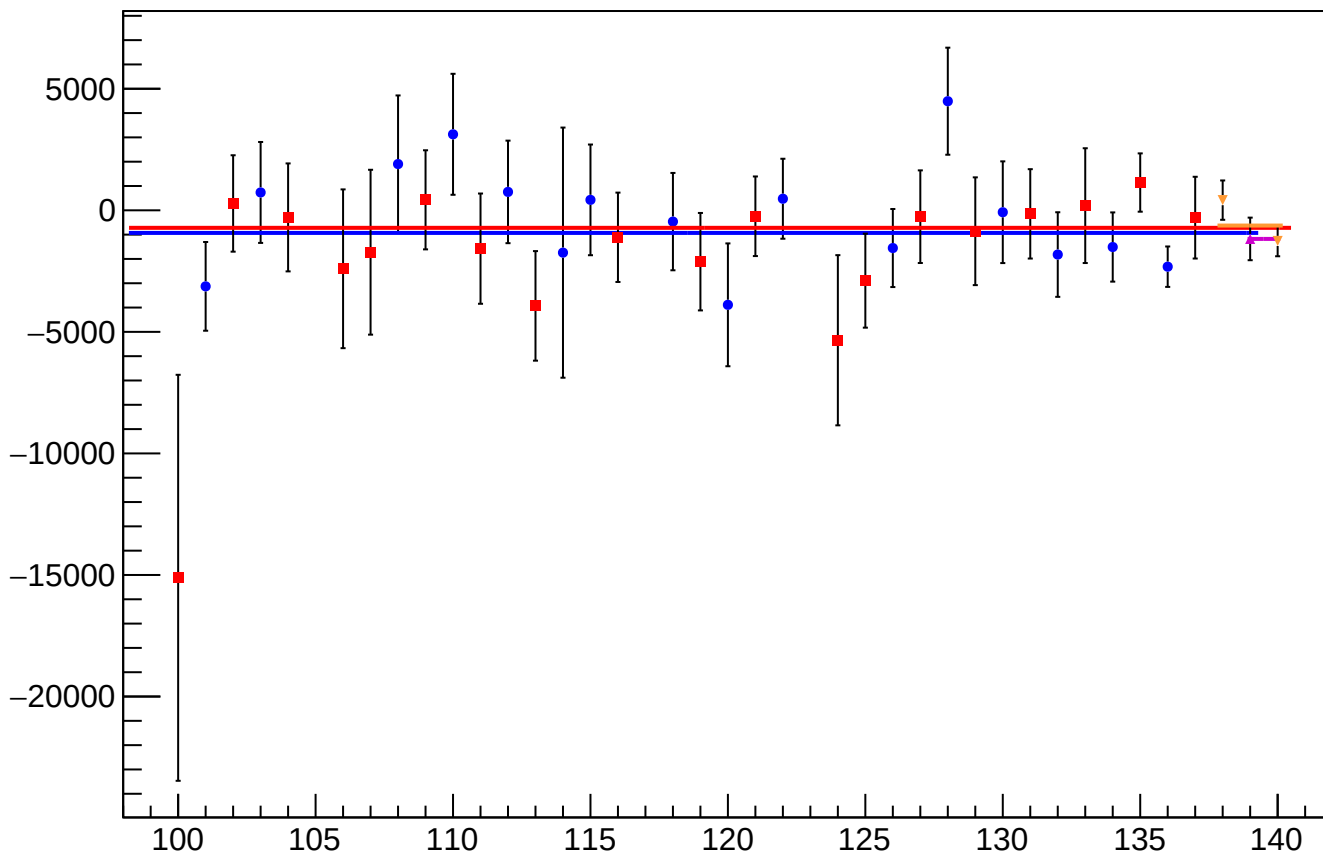
Left In: 96.410 $\pm$ 0.074 χ^2 /NDF: 0.0/0

+ sign 84.153 $\pm$ 0.021 χ^2 /NDF: 1109657.4/17

All: 87.083 $\pm$ 0.016 χ^2 /NDF: 2305428.3/37

- sign 90.740 $\pm$ 0.023 χ^2 /NDF: 1151747.2/19

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -929.788+/-440.894 χ^2/NDF : 18.5/15

Left Out: -626.898+/-496.799 χ^2/NDF : 2.7/1

Right Out: -720.600+/-468.540 χ^2/NDF : 12.5/18

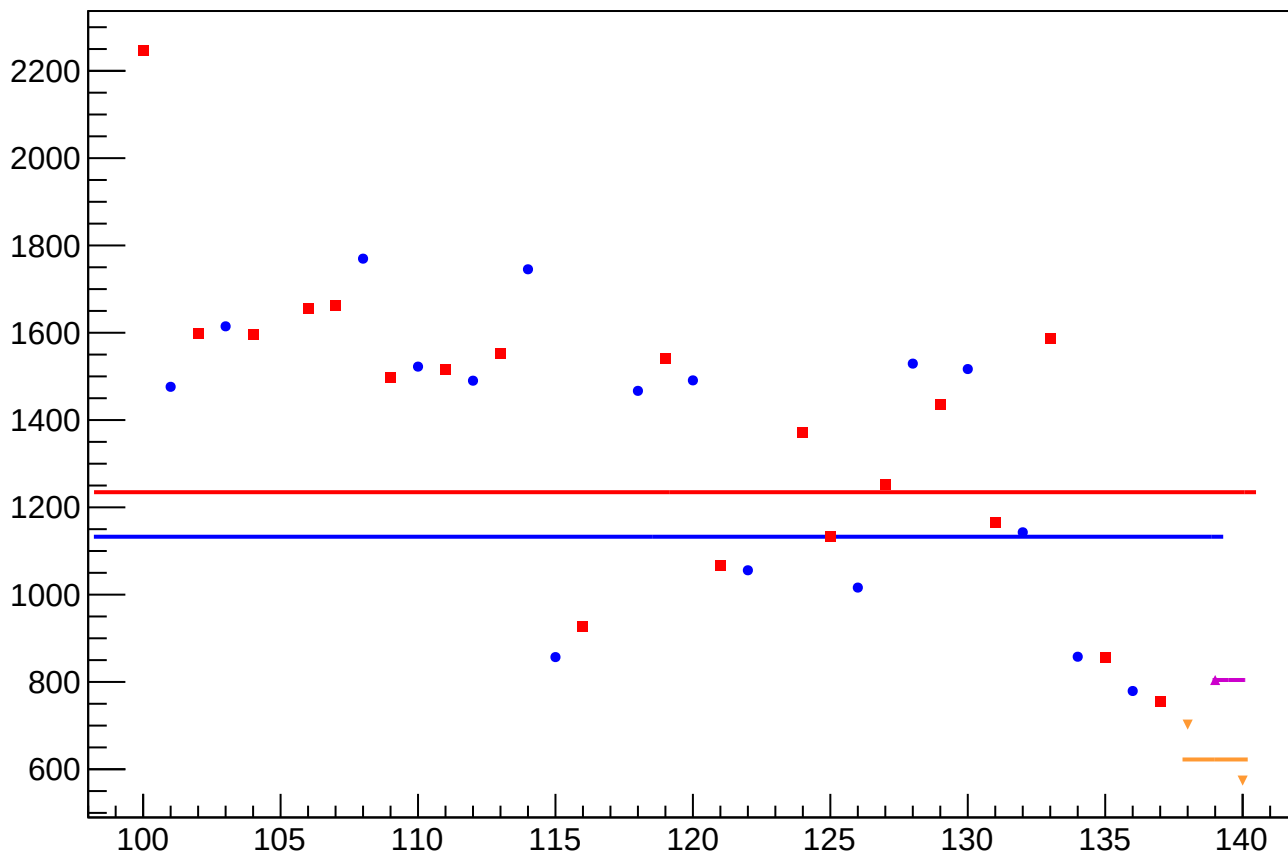
Left In: -1176.664+/-875.759 χ^2/NDF : 0.0/0

+ sign -796.337+/-329.761 χ^2/NDF : 21.4/17

All: -806.360+/-257.726 χ^2/NDF : 34.1/37

- sign -822.092+/-413.130 χ^2/NDF : 12.7/19

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF : 1124187.2/15

Left Out: 622.361+/-0.351 χ^2/NDF : 31315.4/1

Right Out: 1234.709+/-0.331 χ^2/NDF : 876272.4/18

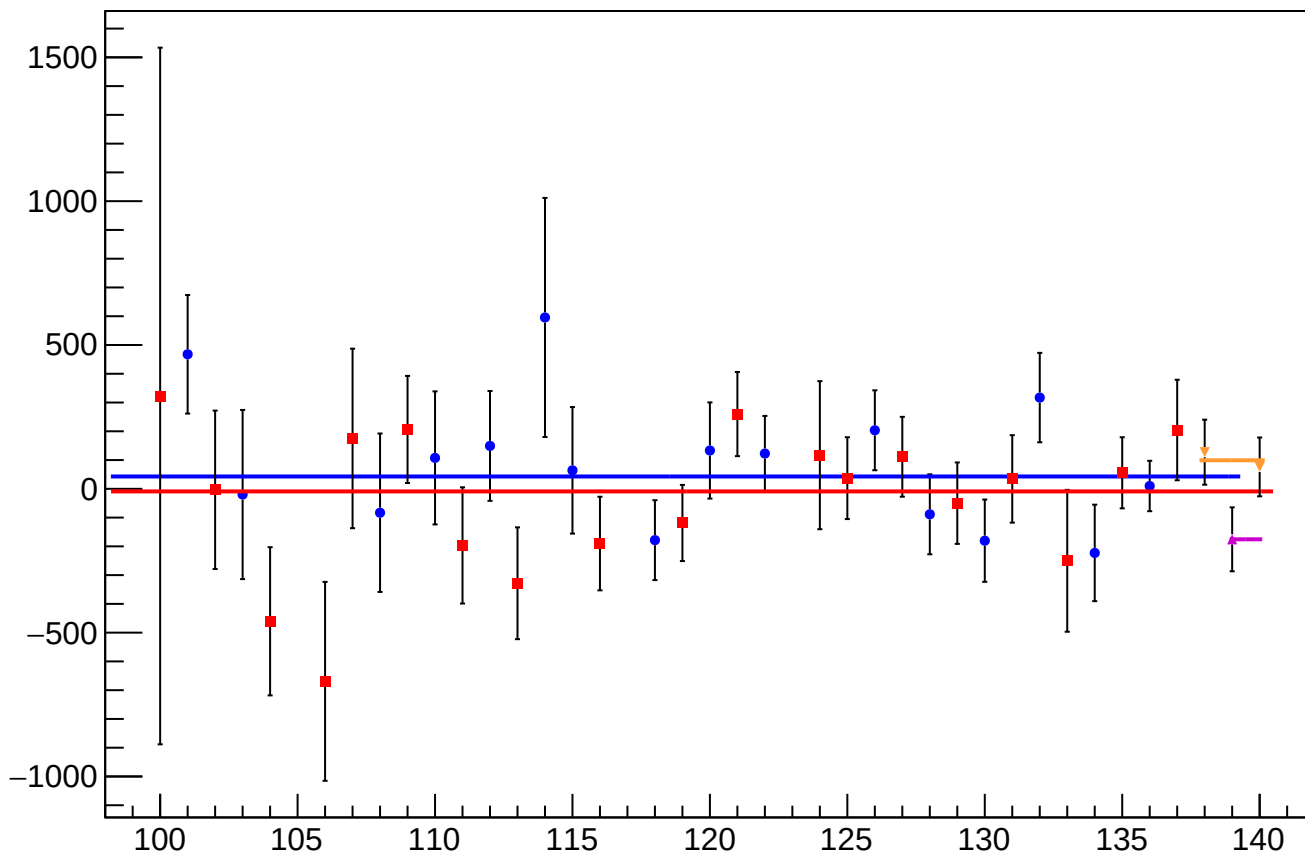
Left In: 804.463+/-0.619 χ^2/NDF : 0.0/0

+ sign 907.843+/-0.233 χ^2/NDF : 2336083.8/17

All: 997.789+/-0.182 χ^2/NDF : 3969990.8/37

- sign 1138.963+/-0.292 χ^2/NDF : 1251567.6/19

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 $\pm$ 39.948 χ^2 /NDF: 20.3/15

Left Out: 99.201 $\pm$ 75.805 χ^2 /NDF:0.1/1

Right Out: -8.989 $\pm$ 41.060 χ^2 /NDF: 21.3/18

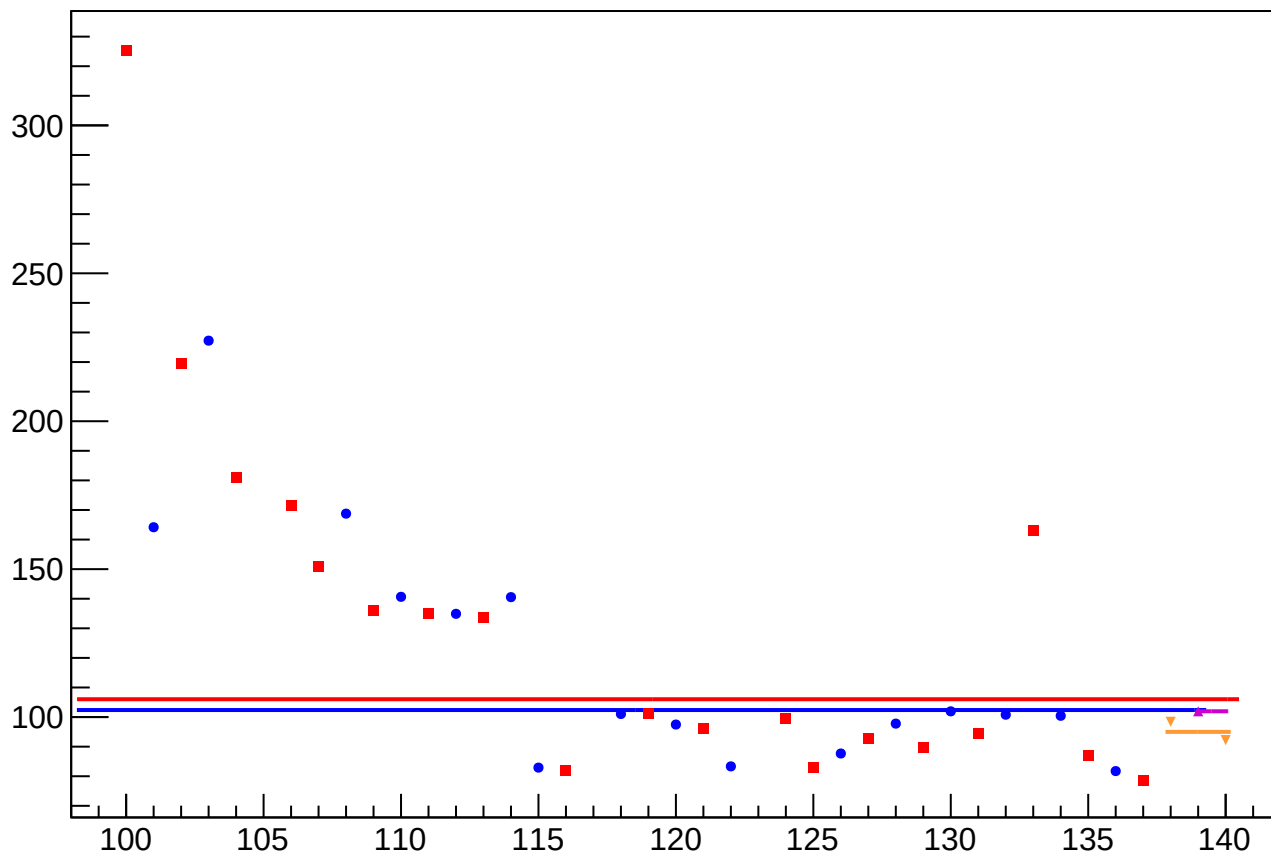
Left In: -175.534 $\pm$ 111.168 χ^2 /NDF:0.0/0

+ sign 55.148 $\pm$ 35.341 χ^2 /NDF: 20.9/17

All: 16.694 $\pm$ 26.040 χ^2 /NDF: 46.8/37

- sign -28.981 $\pm$ 38.516 χ^2 /NDF: 23.3/19

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378 $\pm$ 0.028 χ^2 /NDF: 982311.5/15

Left Out: 95.000 $\pm$ 0.054 χ^2 /NDF:3305.2/1

Right Out: 106.032 $\pm$ 0.029 χ^2 /NDF: 1191294.0/18

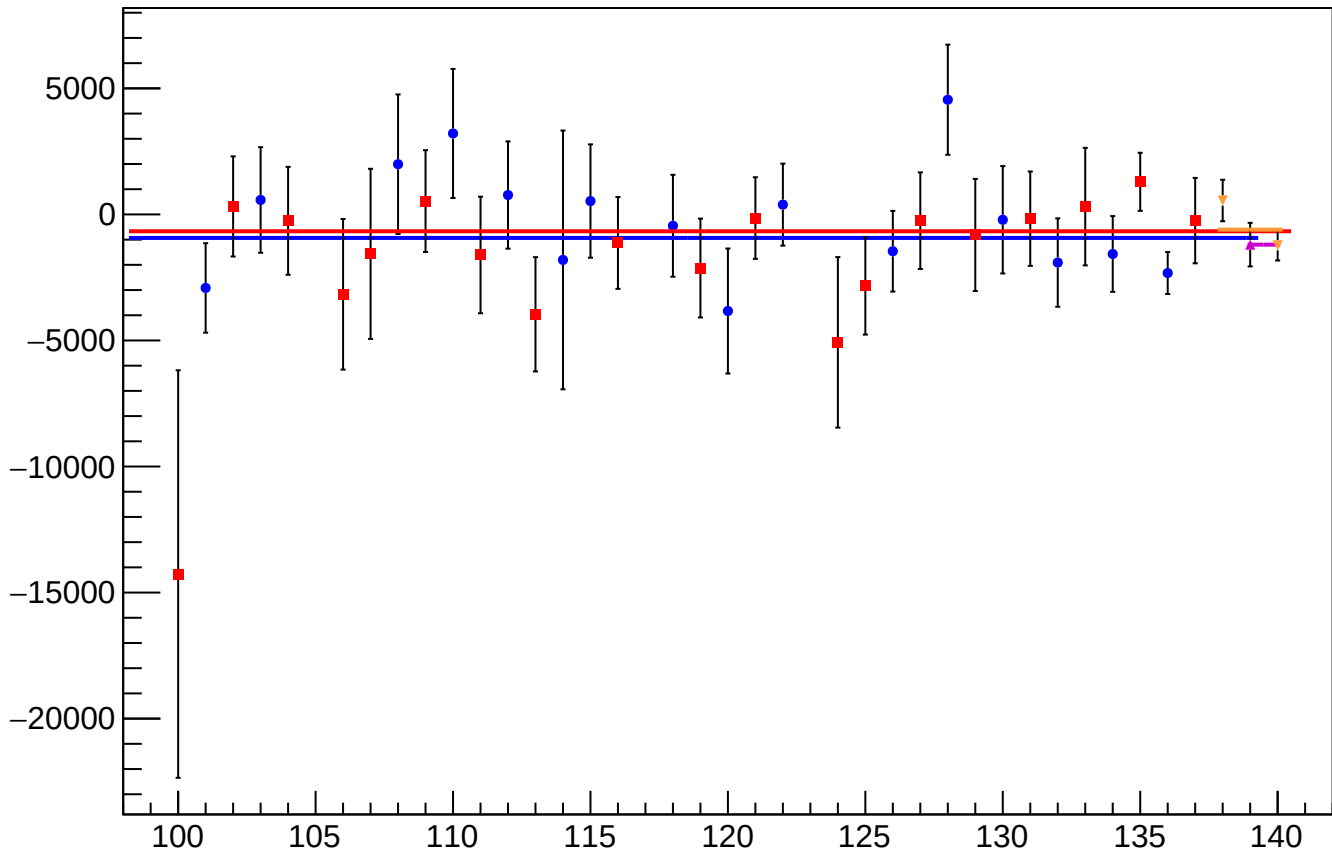
Left In: 101.956 $\pm$ 0.079 χ^2 /NDF:0.0/0

+ sign 100.775 $\pm$ 0.025 χ^2 /NDF: 1000444.7/17

All: 102.954 $\pm$ 0.018 χ^2 /NDF: 2210746.7/37

- sign 105.543 $\pm$ 0.027 χ^2 /NDF: 1193660.1/19

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381 $\pm$ 442.724 χ^2 /NDF: 18.5/15

Left Out: -603.555 $\pm$ 486.407 χ^2 /NDF: 3.0/1

Right Out: -668.521 $\pm$ 463.213 χ^2 /NDF: 13.5/18

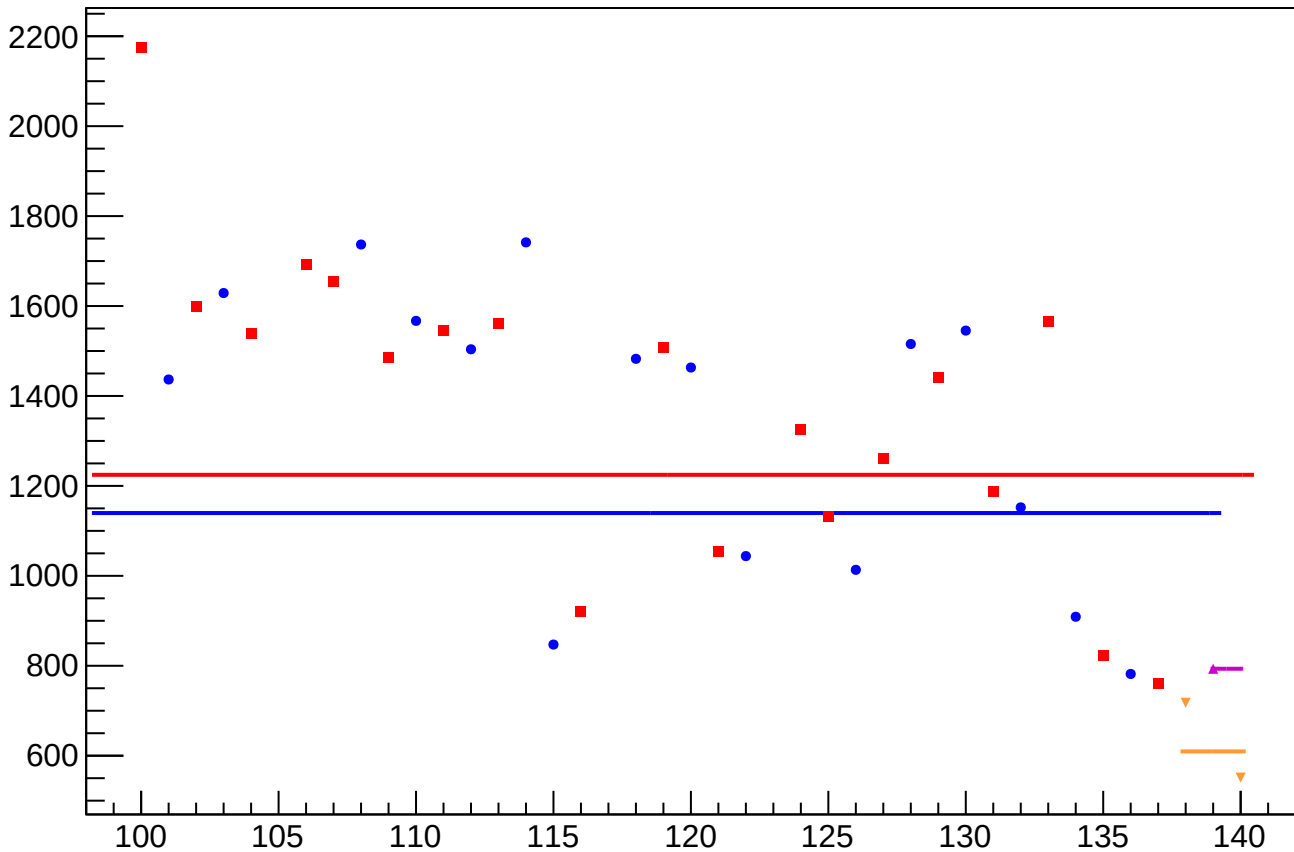
Left In: -1199.161 $\pm$ 864.164 χ^2 /NDF: 0.0/0

+ sign -783.393 $\pm$ 327.410 χ^2 /NDF: 21.8/17

All: -784.788 $\pm$ 255.419 χ^2 /NDF: 35.5/37

- sign -786.956 $\pm$ 408.260 χ^2 /NDF: 13.8/19

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF : 1093410.3/15

Left Out: 609.504+/-0.344 χ^2/NDF : 53253.3/1

+ sign 899.451+/-0.232 χ^2/NDF : 2446086.4/17

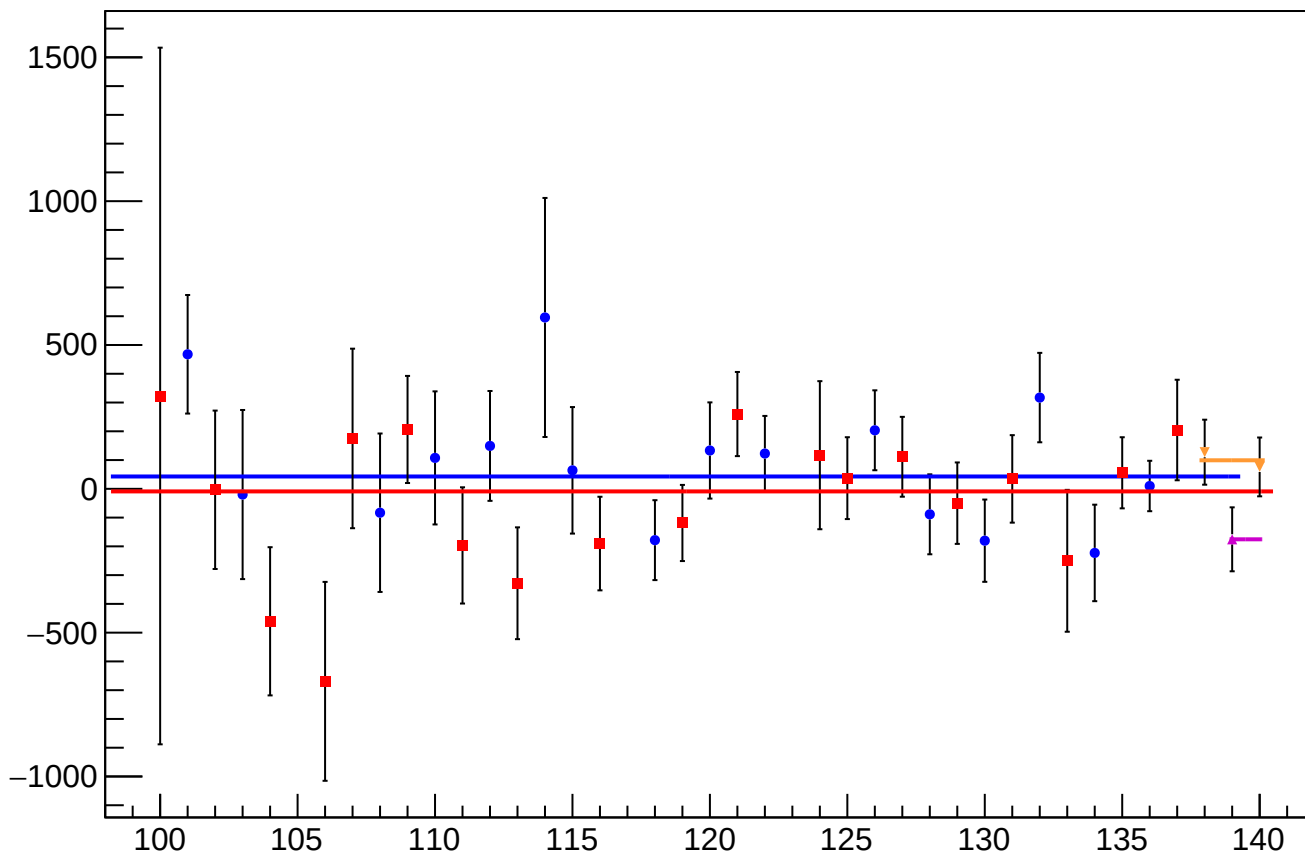
Right Out: 1224.637+/-0.328 χ^2/NDF : 922388.4/18

All: 989.057+/-0.181 χ^2/NDF : 4138137.9/37

- sign 1128.381+/-0.289 χ^2/NDF : 1309325.1/19

Left In: 793.371+/-0.611 χ^2/NDF : 0.0/0

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 $\pm$ 39.948 χ^2 /NDF: 20.3/15

Left Out: 99.199 $\pm$ 75.805 χ^2 /NDF: 0.1/1

Right Out: -8.986 $\pm$ 41.060 χ^2 /NDF: 21.3/18

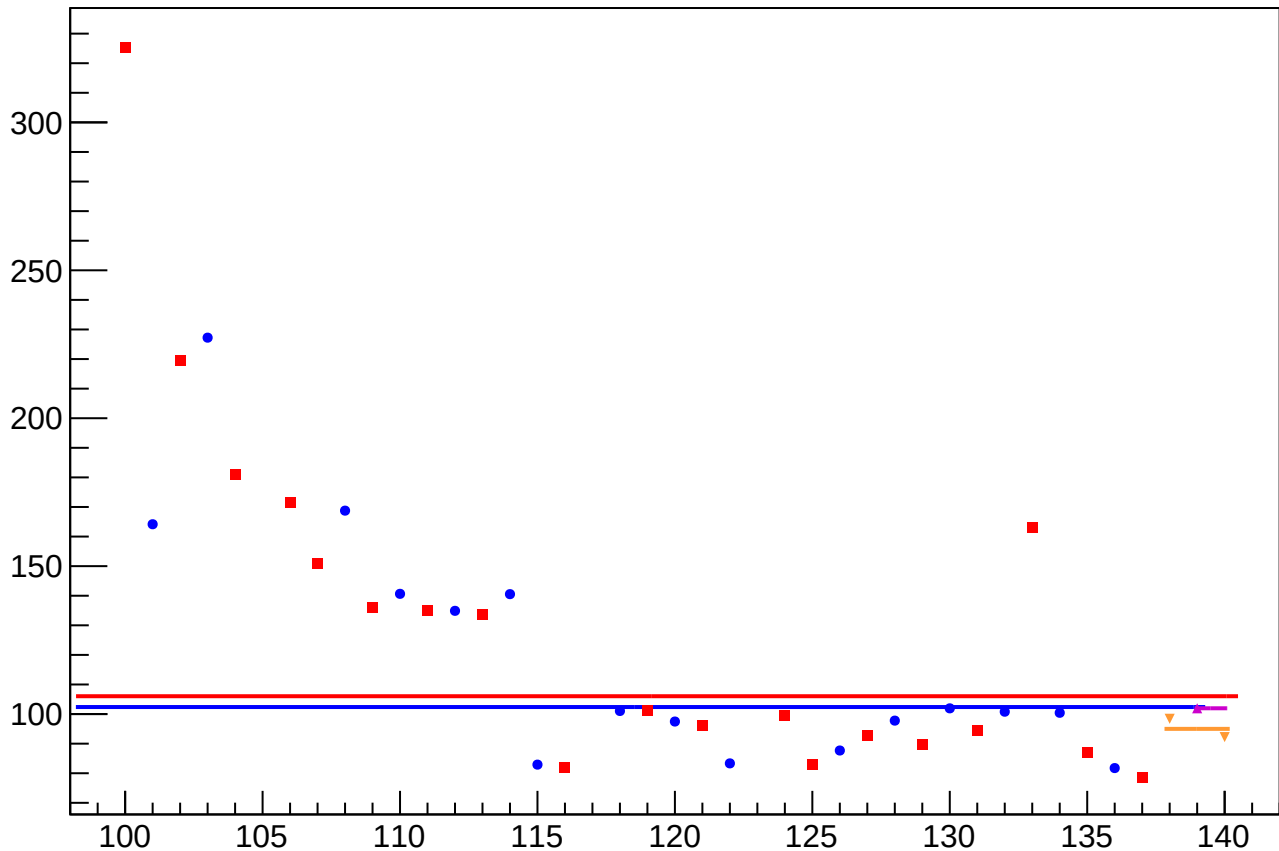
Left In: -175.533 $\pm$ 111.168 χ^2 /NDF: 0.0/0

+ sign 55.148 $\pm$ 35.341 χ^2 /NDF: 20.9/17

All: 16.695 $\pm$ 26.040 χ^2 /NDF: 46.8/37

- sign -28.978 $\pm$ 38.516 χ^2 /NDF: 23.3/19

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF : 982307.0/15

Left Out: 95.000+/-0.054 χ^2/NDF : 3304.6/1

Right Out: 106.032+/-0.029 χ^2/NDF : 1191296.9/18

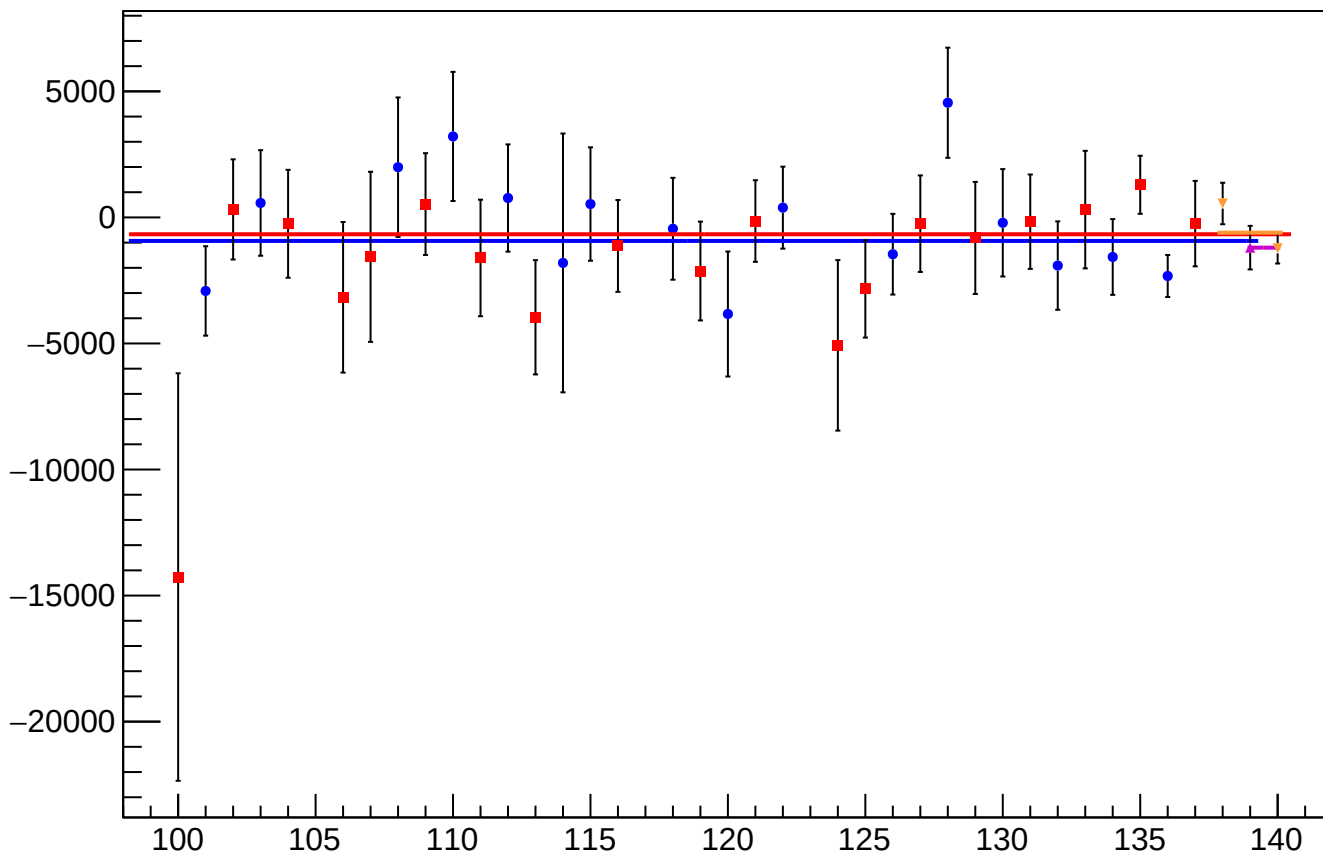
Left In: 101.957+/-0.079 χ^2/NDF : 0.0/0

+ sign 100.775+/-0.025 χ^2/NDF : 1000438.6/17

All: 102.954+/-0.018 χ^2/NDF : 2210744.0/37

- sign 105.543+/-0.027 χ^2/NDF : 1193662.5/19

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -932.377+/-442.724 χ^2 /NDF: 18.5/15

Left Out: -603.555+/-486.406 χ^2 /NDF:3.0/1

Right Out: -668.522+/-463.212 χ^2 /NDF: 13.5/18

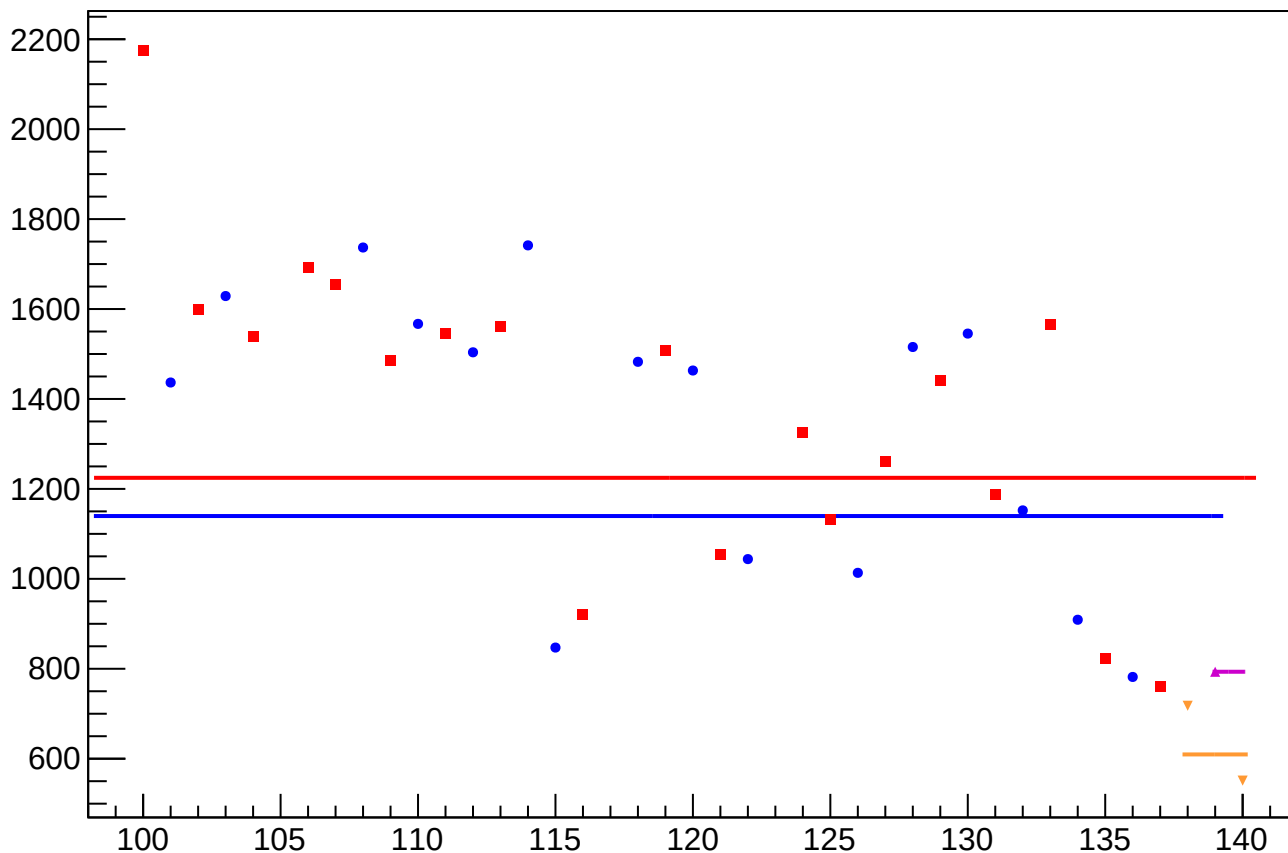
Left In: -1199.158+/-864.162 χ^2 /NDF:0.0/0

+ sign -783.391+/-327.409 χ^2 /NDF: 21.8/17

All: -784.787+/-255.419 χ^2 /NDF: 35.5/37

- sign -786.957+/-408.259 χ^2 /NDF: 13.8/19

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656 $\pm$ 0.313 χ^2 /NDF: 1093397.5/15

Left Out: 609.503 $\pm$ 0.344 χ^2 /NDF: 53252.5/1

Right Out: 1224.635 $\pm$ 0.328 χ^2 /NDF: 922378.0/18

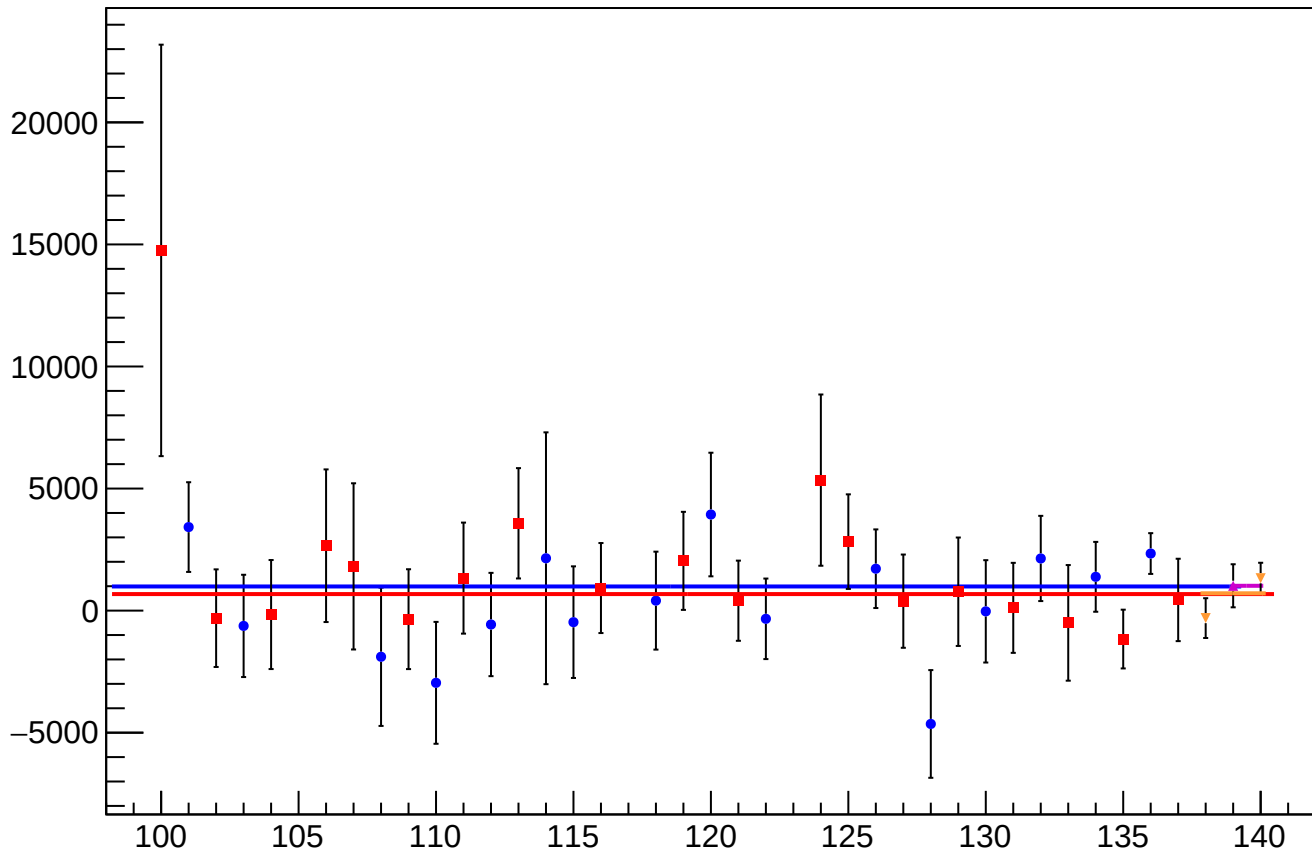
Left In: 793.369 $\pm$ 0.611 χ^2 /NDF: 0.0/0

+ sign 899.450 $\pm$ 0.232 χ^2 /NDF: 2446071.6/17

All: 989.056 $\pm$ 0.181 χ^2 /NDF: 4138112.1/37

- sign 1128.379 $\pm$ 0.289 χ^2 /NDF: 1309317.1/19

asym_sam_3726_avg_mean vs Slug



Right In: 989.322 $\pm$ 442.634 χ^2 /NDF: 19.0/15

Left Out: 709.675 $\pm$ 500.585 χ^2 /NDF:2.5/1

Right Out: 677.628 $\pm$ 469.652 χ^2 /NDF: 11.9/18

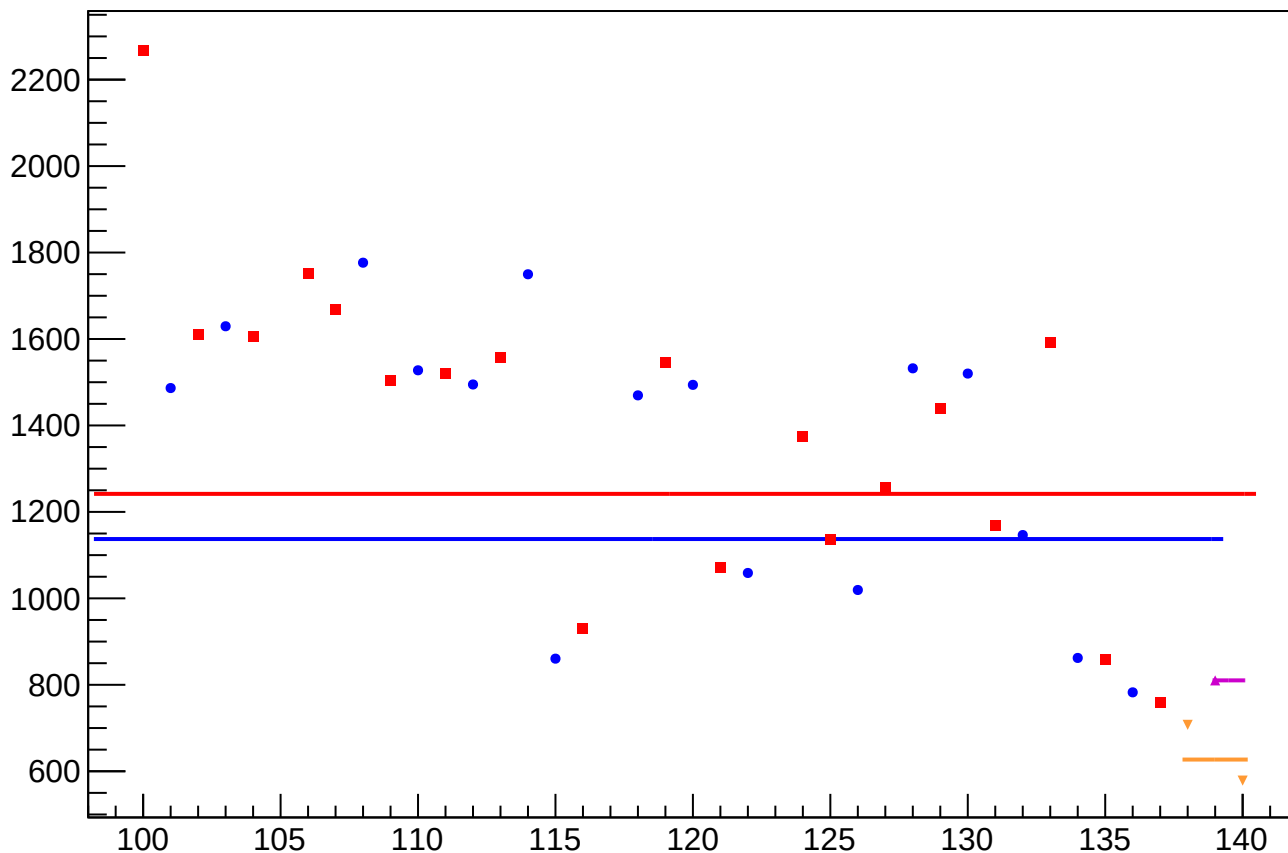
Left In: 1017.143 $\pm$ 882.079 χ^2 /NDF:0.0/0

+ sign 866.615 $\pm$ 331.594 χ^2 /NDF: 21.7/17

All: 822.136 $\pm$ 258.946 χ^2 /NDF: 33.8/37

- sign 752.618 $\pm$ 414.553 χ^2 /NDF: 12.0/19

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF : 1123685.6/15

Left Out: 627.080+/-0.354 χ^2/NDF : 31203.1/1

Right Out: 1241.709+/-0.332 χ^2/NDF : 899417.9/18

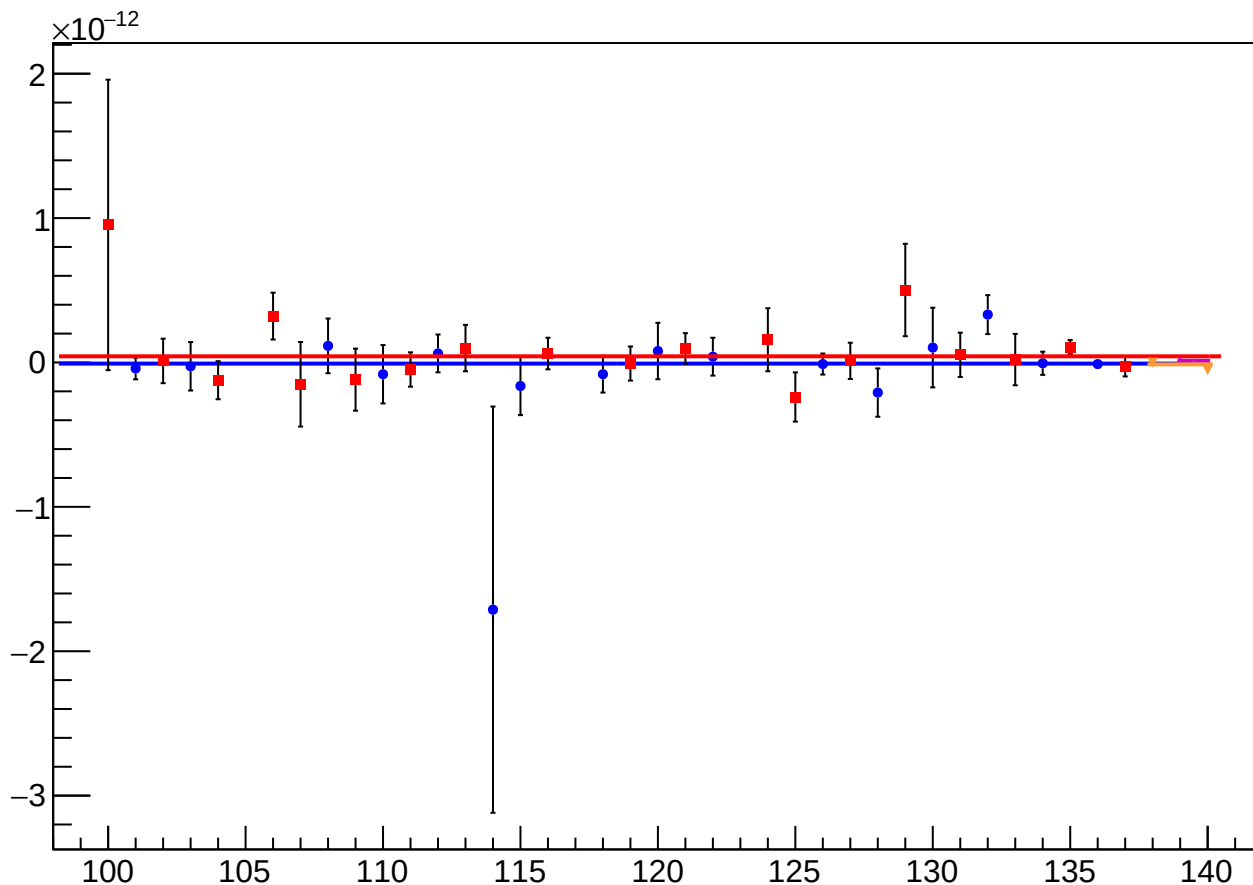
Left In: 810.264+/-0.624 χ^2/NDF : 0.0/0

+ sign 913.374+/-0.234 χ^2/NDF : 2320562.6/17

All: 1004.301+/-0.183 χ^2/NDF : 3978199.7/37

- sign 1146.414+/-0.293 χ^2/NDF : 1272216.1/19

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.7/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 6.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.5/18

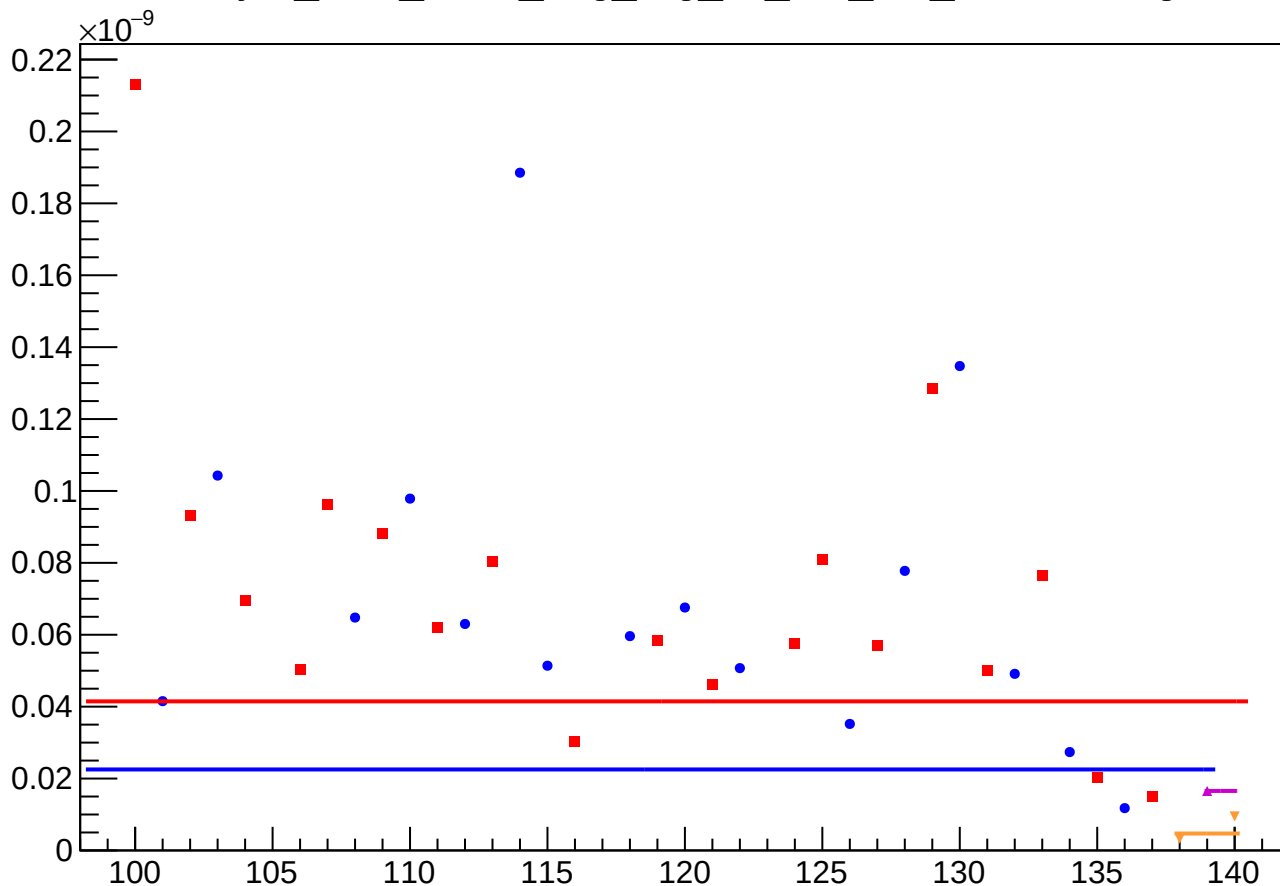
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 18.5/17

All: -0.000 ± 0.000 χ^2/NDF : 38.4/37

- sign 0.000 ± 0.000 χ^2/NDF : 16.2/19

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 : 183099.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1847735.6/18

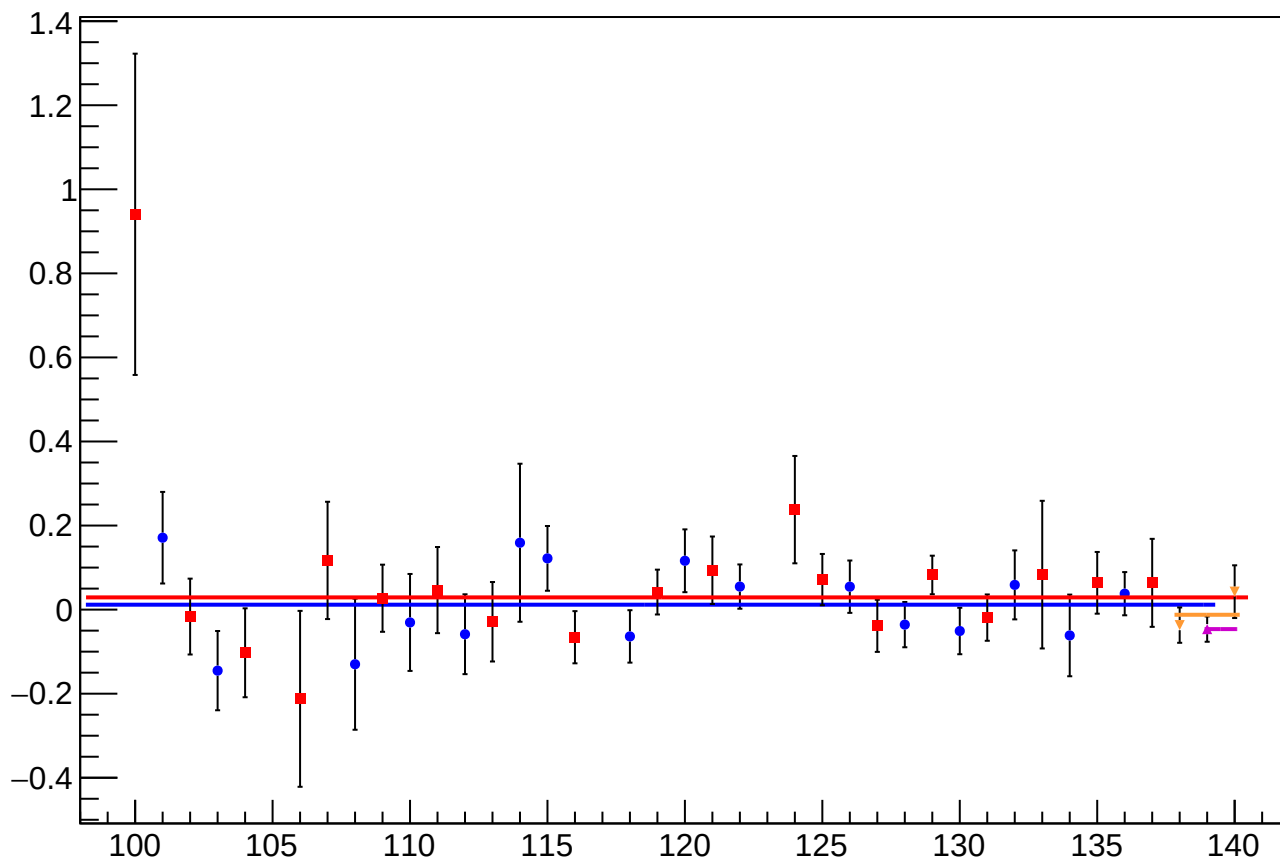
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4730181.9/17

All: 0.000+/-0.000 χ^2/NDF : 9458637.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2704337.9/19

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.018 χ^2 /NDF: 16.9/15

Left Out: -0.012 $\pm$ 0.035 χ^2 /NDF: 1.1/1

Right Out: 0.029 $\pm$ 0.018 χ^2 /NDF: 19.5/18

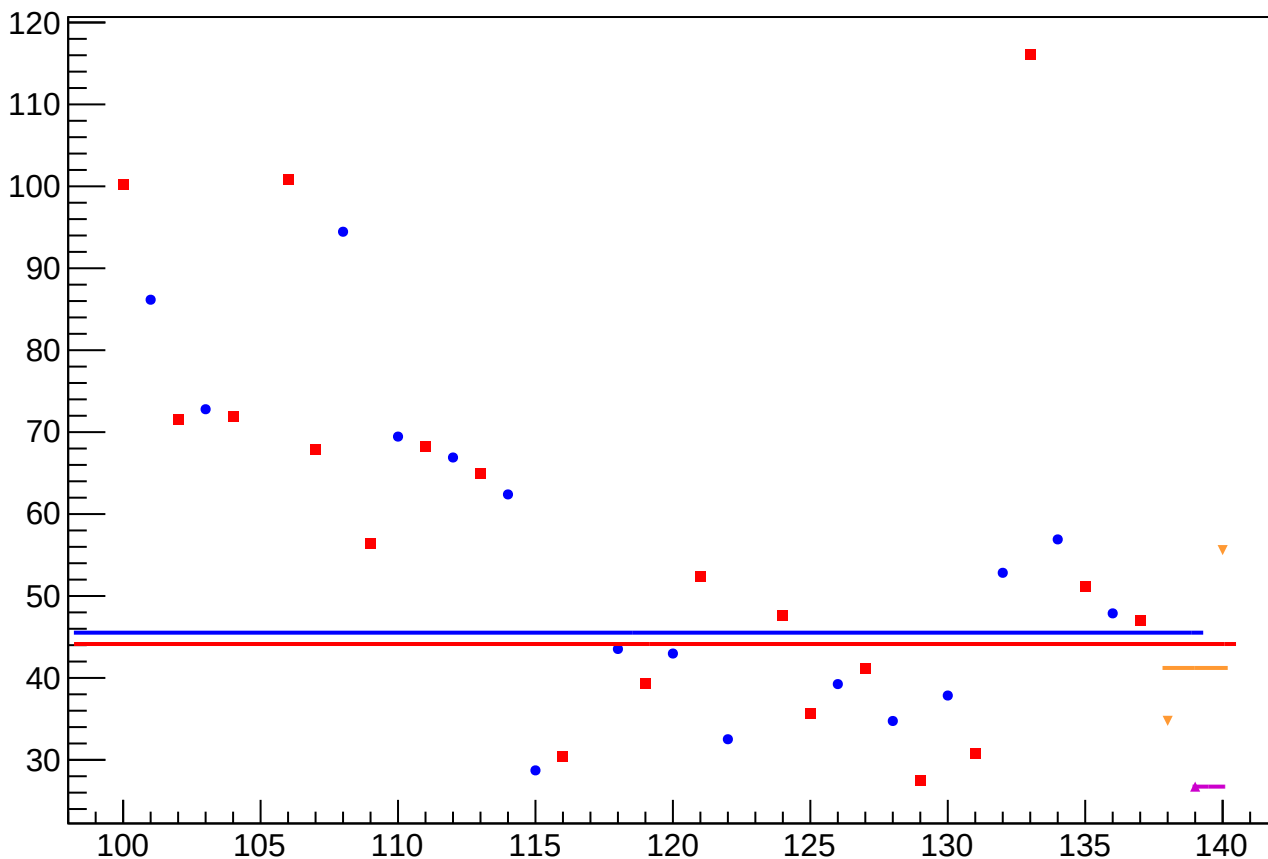
Left In: -0.046 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 0.007 $\pm$ 0.016 χ^2 /NDF: 18.3/17

All: 0.008 $\pm$ 0.011 χ^2 /NDF: 42.5/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 24.2/19

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525 $\pm$ 0.013 χ^2 /NDF: 1253967.4/15

Left Out: 41.218 $\pm$ 0.025 χ^2 /NDF: 152301.7/1

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743430.9/18

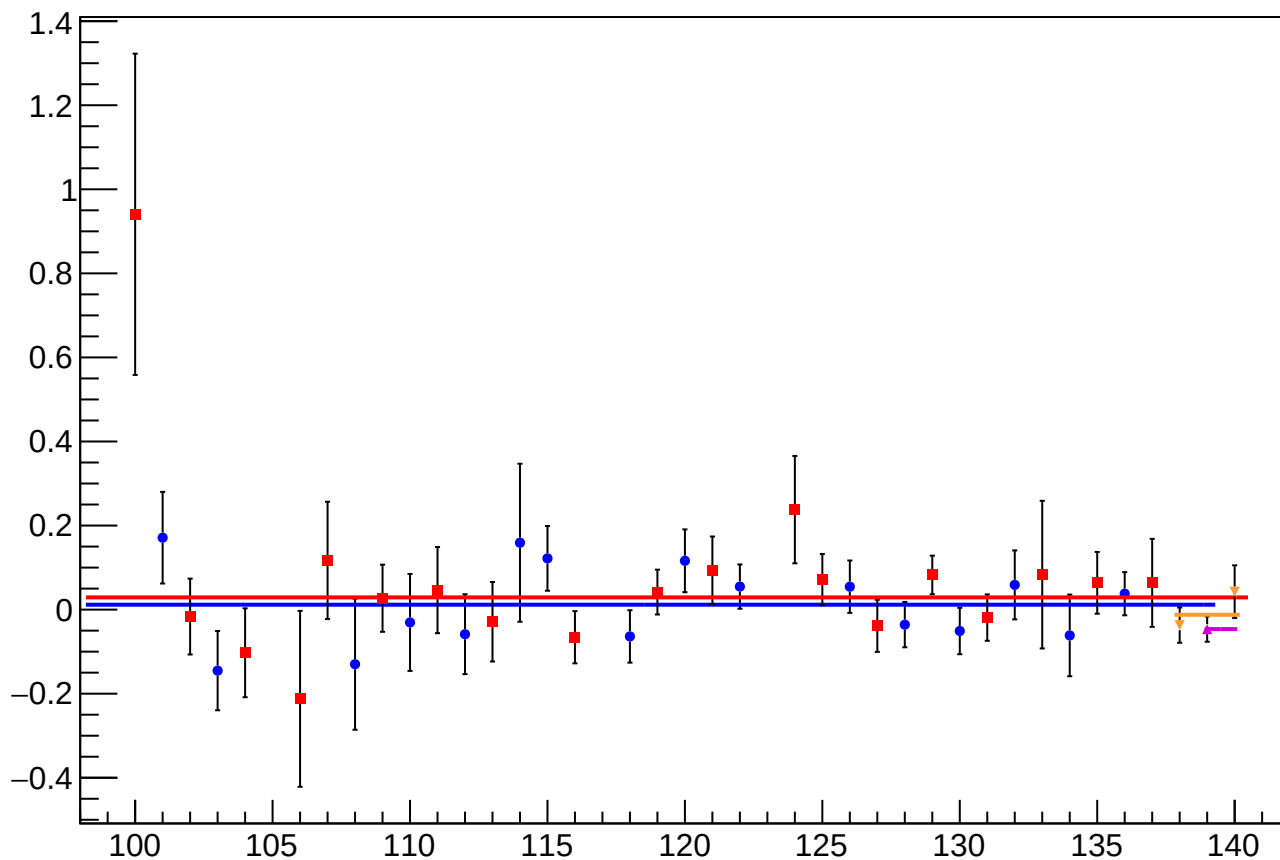
Left In: 26.734 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 44.595 $\pm$ 0.011 χ^2 /NDF: 1430128.7/17

All: 41.965 $\pm$ 0.008 χ^2 /NDF: 3767427.1/37

- sign 39.602 $\pm$ 0.011 χ^2 /NDF: 2237497.8/19

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 χ^2/NDF : 16.9/15

Left Out: -0.012 ± 0.035 χ^2/NDF : 1.1/1

Right Out: 0.029 ± 0.018 χ^2/NDF : 19.5/18

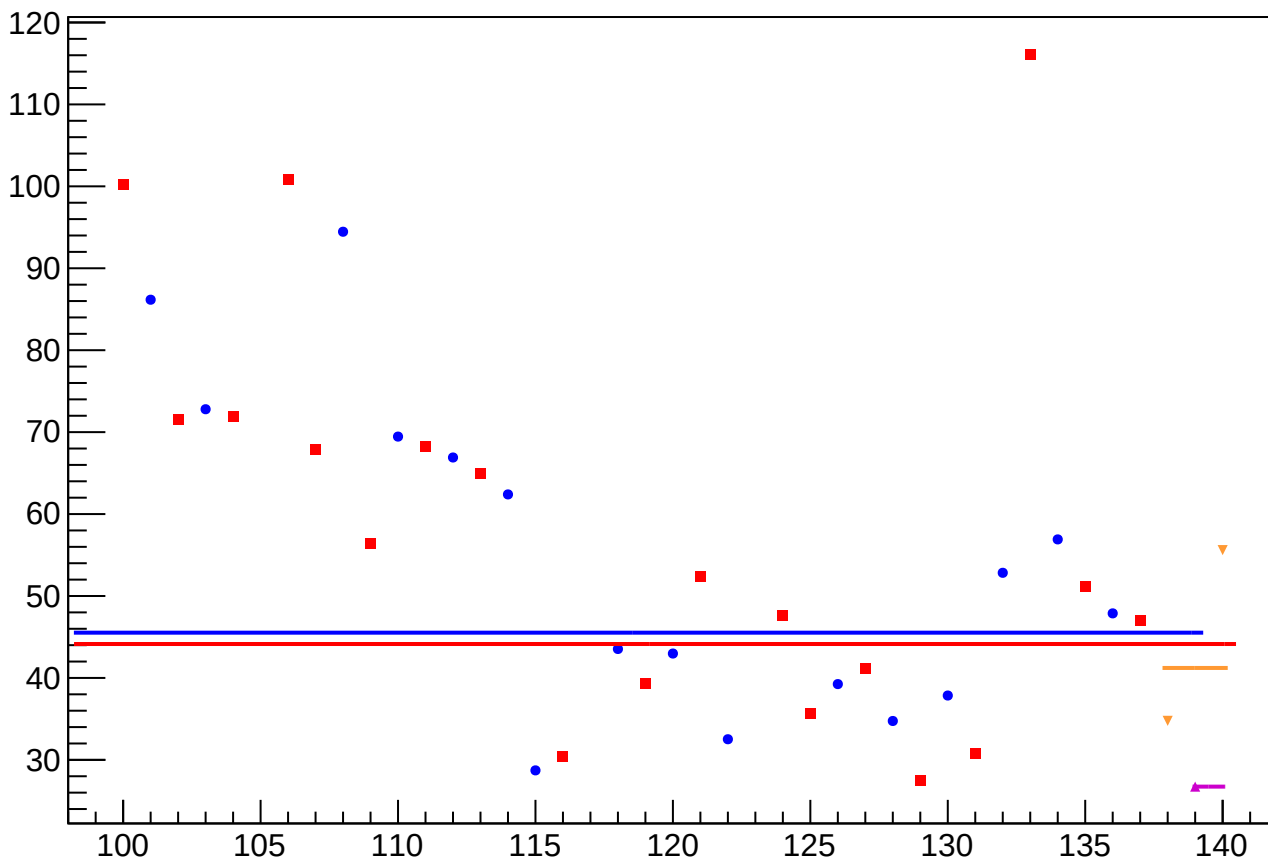
Left In: -0.046 ± 0.030 χ^2/NDF : 0.0/0

+ sign 0.007 ± 0.016 χ^2/NDF : 18.3/17

All: 0.008 ± 0.011 χ^2/NDF : 42.5/37

- sign 0.009 ± 0.015 χ^2/NDF : 24.2/19

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525 +/- 0.013 χ^2/NDF : 1253967.4/15

Left Out: 41.218 +/- 0.025 χ^2/NDF : 152301.7/1

Right Out: 44.141 +/- 0.013 χ^2/NDF : 1743430.9/18

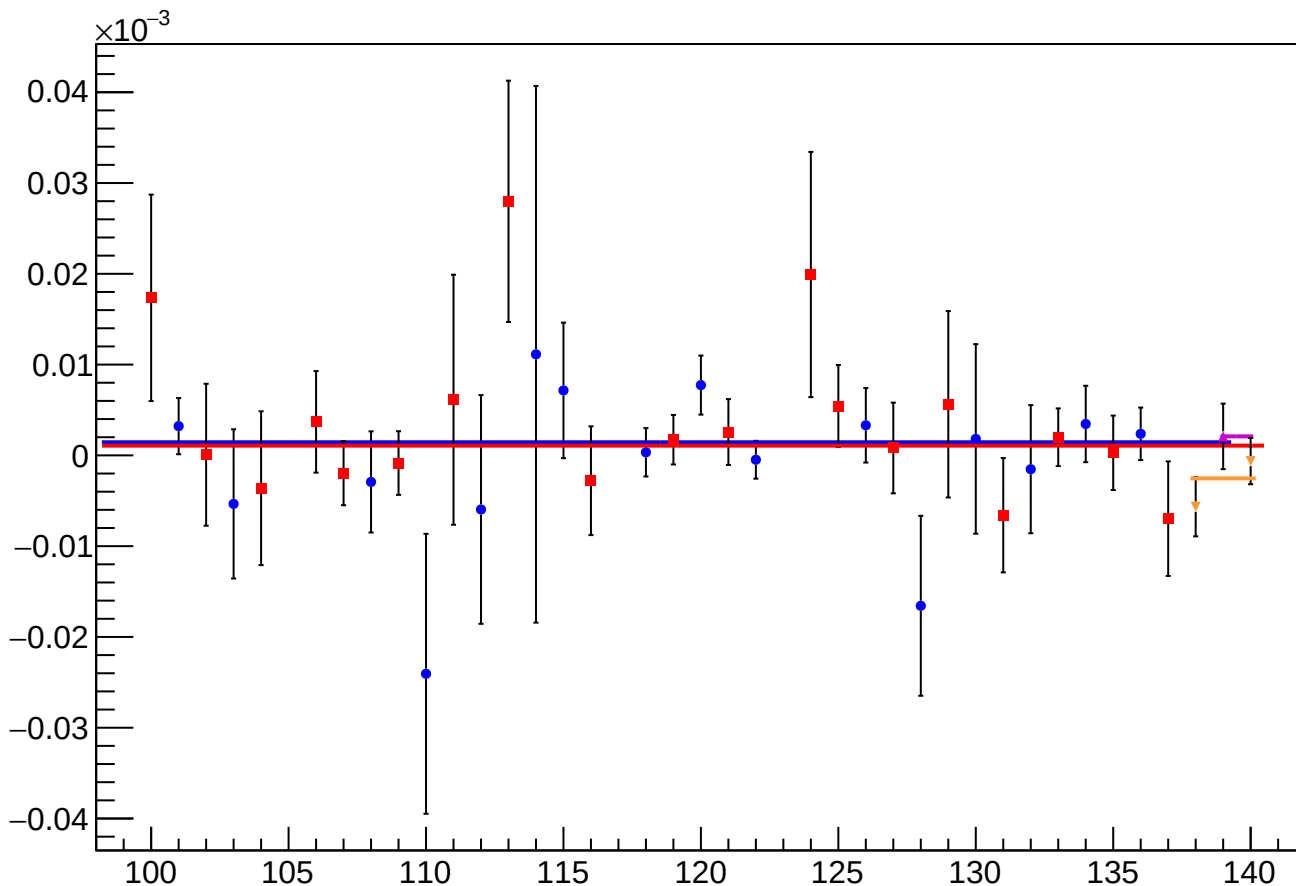
Left In: 26.734 +/- 0.021 χ^2/NDF : 0.0/0

+ sign 44.595 +/- 0.011 χ^2/NDF : 1430128.7/17

All: 41.965 +/- 0.008 χ^2/NDF : 3767427.1/37

- sign 39.602 +/- 0.011 χ^2/NDF : 2237497.8/19

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

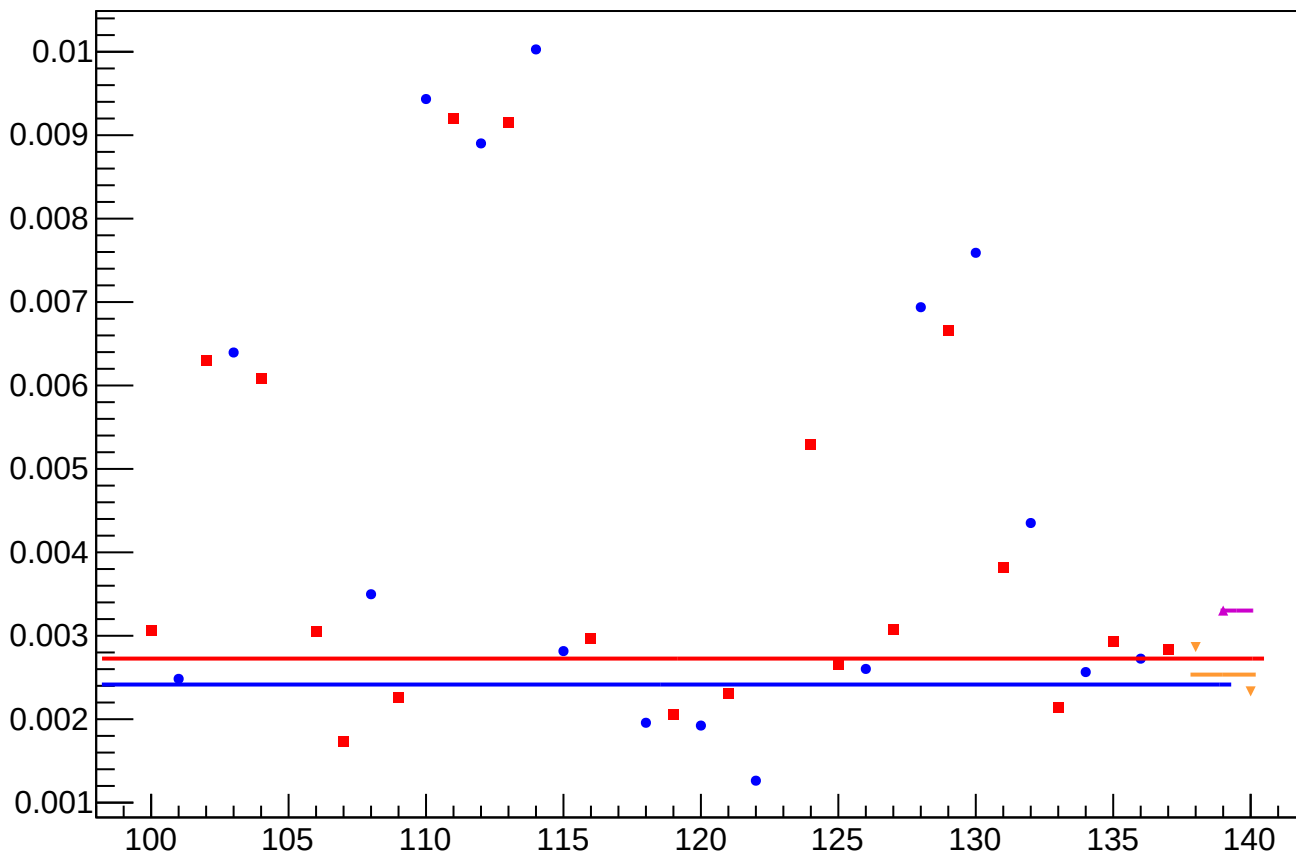
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/19

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3432108.8/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:32918.9/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2505080.1/18

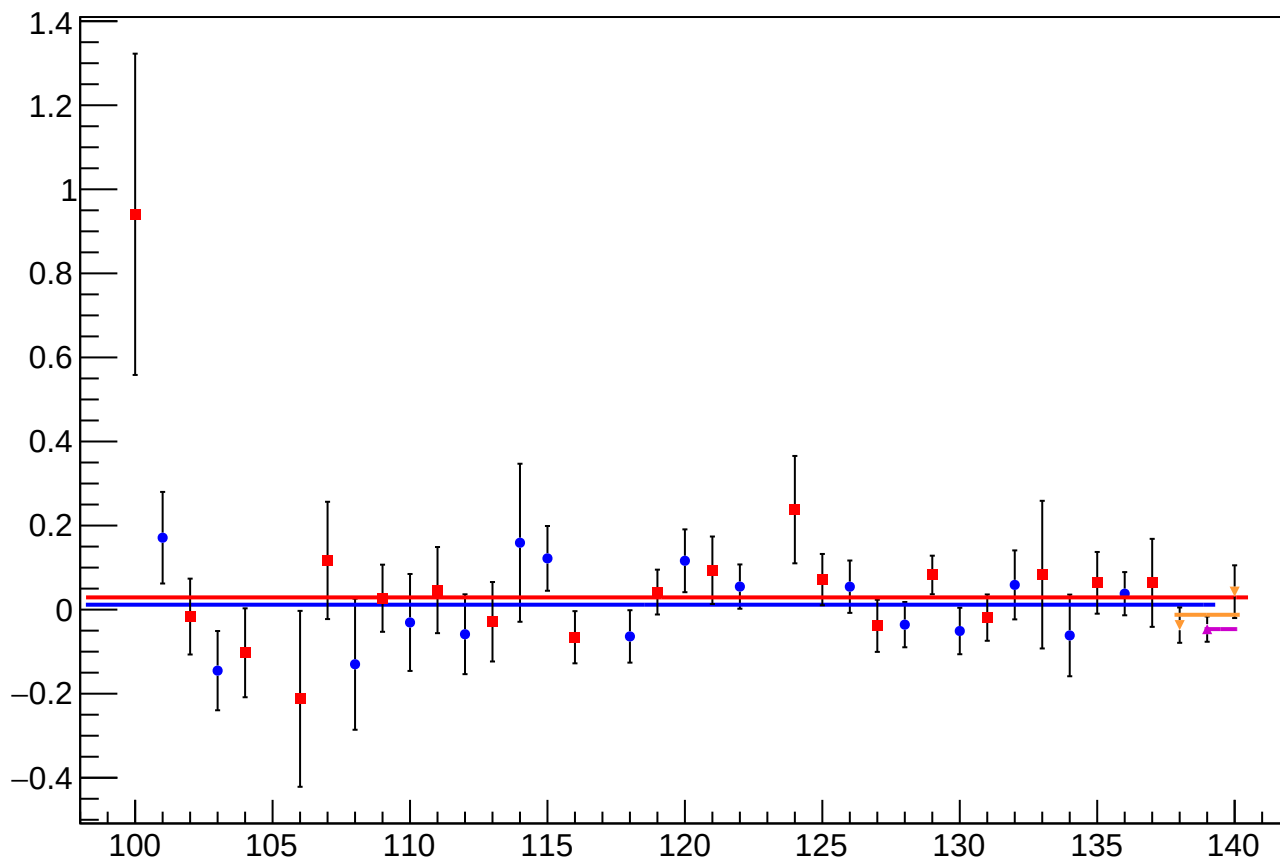
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3470557.1/17

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 6135117.8/37

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2551471.7/19

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.018 χ^2 /NDF: 16.9/15

Left Out: -0.012 $\pm$ 0.035 χ^2 /NDF: 1.1/1

Right Out: 0.029 $\pm$ 0.018 χ^2 /NDF: 19.5/18

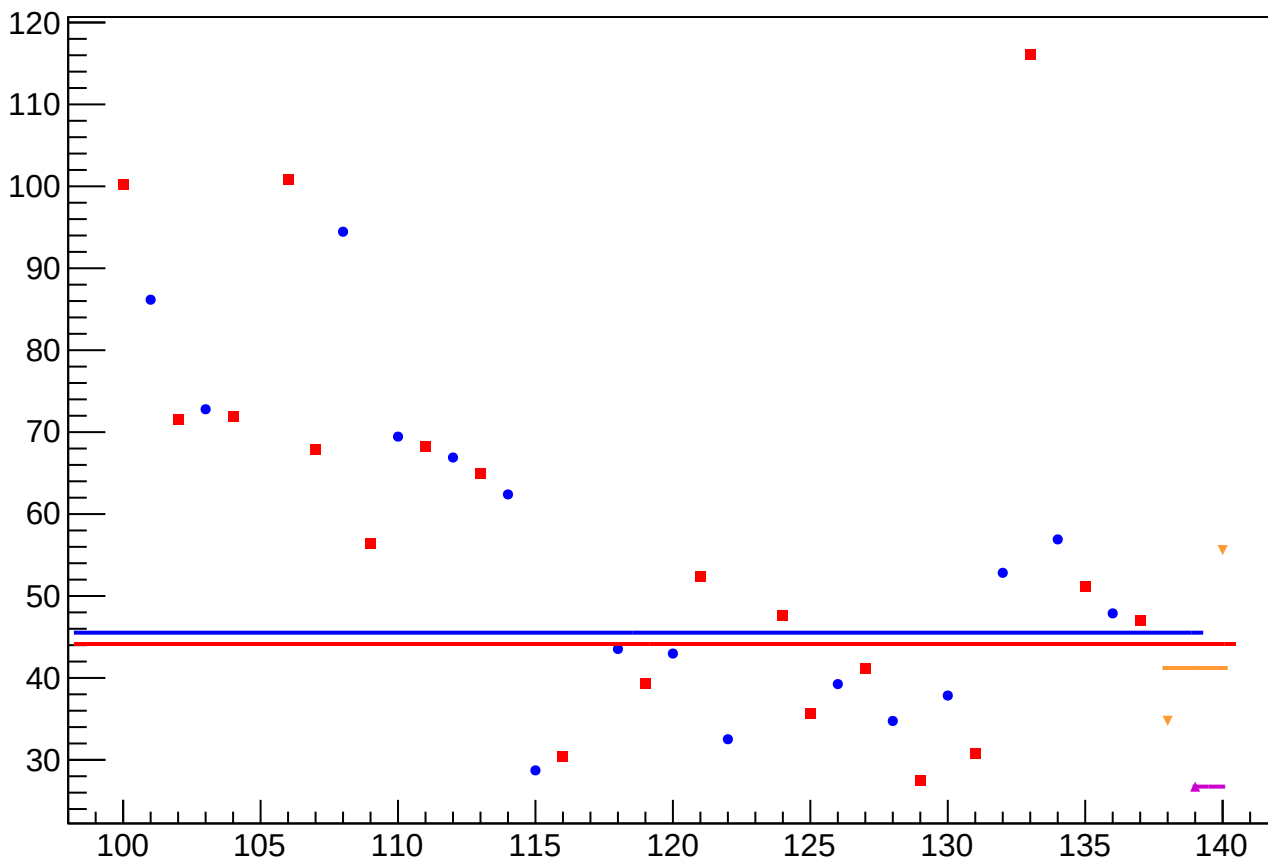
Left In: -0.046 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 0.007 $\pm$ 0.016 χ^2 /NDF: 18.3/17

All: 0.008 $\pm$ 0.011 χ^2 /NDF: 42.5/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 24.2/19

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF : 1253922.0/15

Left Out: 41.218+/-0.025 χ^2/NDF : 152310.9/1

Right Out: 44.141+/-0.013 χ^2/NDF : 1743351.0/18

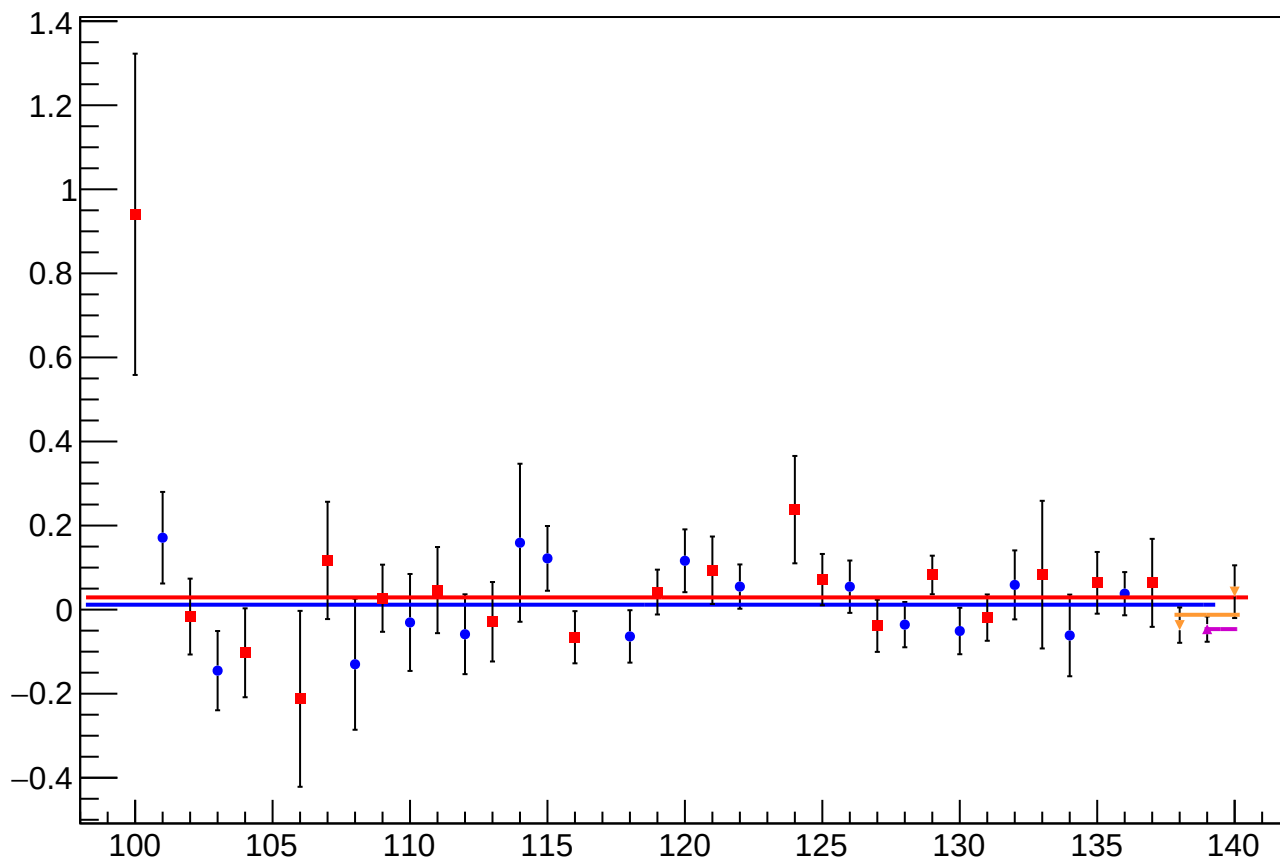
Left In: 26.735+/-0.021 χ^2/NDF : 0.0/0

+ sign 44.595+/-0.011 χ^2/NDF : 1430094.8/17

All: 41.965+/-0.008 χ^2/NDF : 3767318.6/37

- sign 39.603+/-0.011 χ^2/NDF : 2237435.5/19

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.018 χ^2 /NDF: 16.9/15

Left Out: -0.012 $\pm$ 0.035 χ^2 /NDF: 1.1/1

Right Out: 0.029 $\pm$ 0.018 χ^2 /NDF: 19.5/18

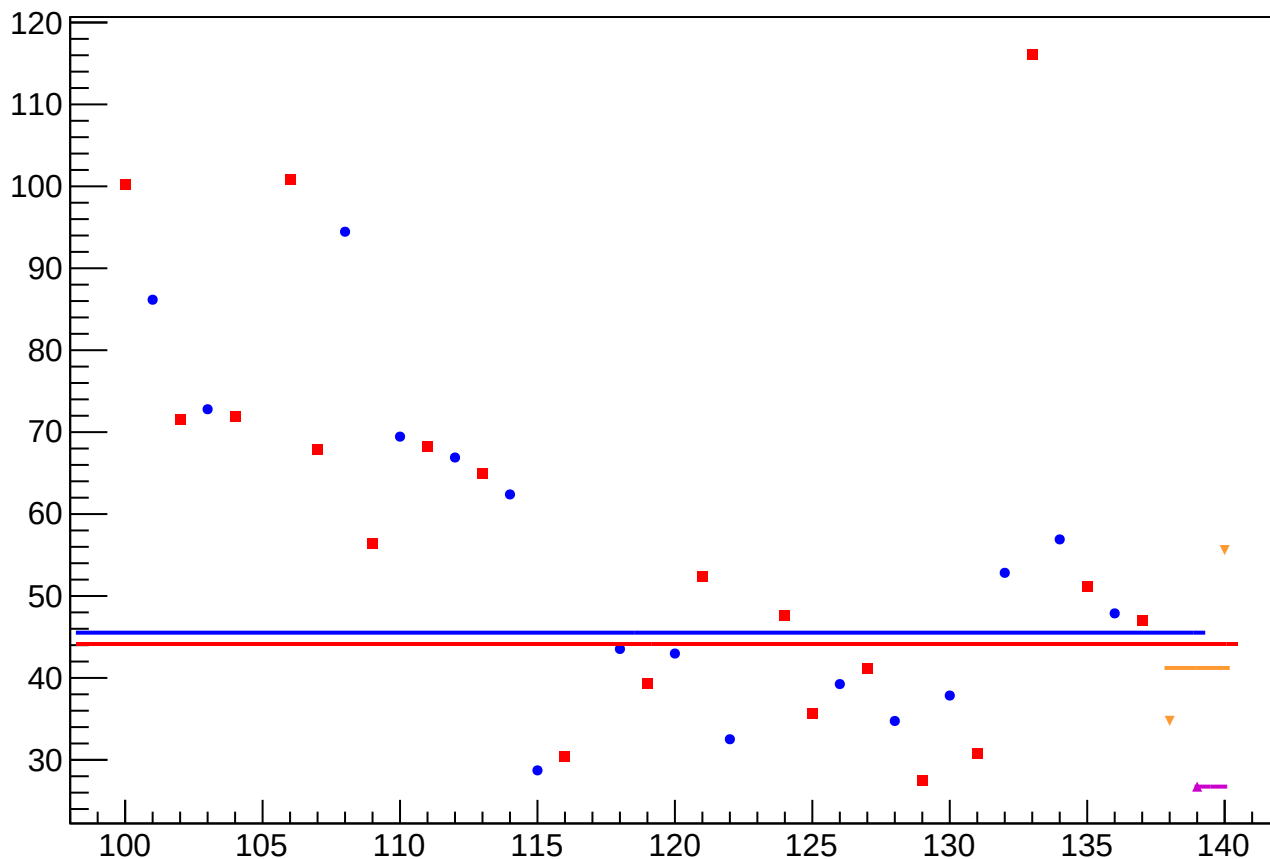
Left In: -0.046 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 0.007 $\pm$ 0.016 χ^2 /NDF: 18.3/17

All: 0.008 $\pm$ 0.011 χ^2 /NDF: 42.5/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 24.2/19

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF : 1253922.0/15

Left Out: 41.218+/-0.025 χ^2/NDF : 152310.9/1

Right Out: 44.141+/-0.013 χ^2/NDF : 1743351.0/18

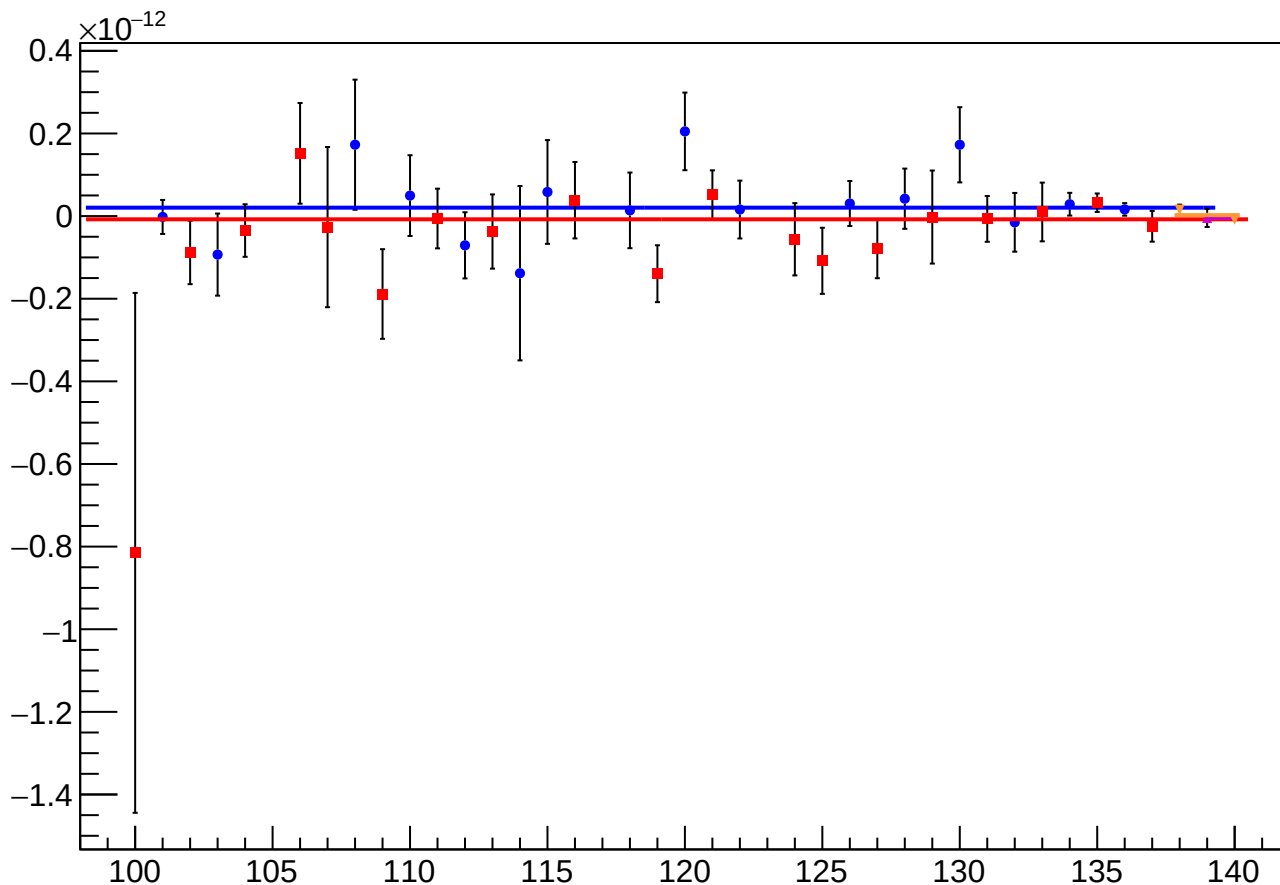
Left In: 26.735+/-0.021 χ^2/NDF : 0.0/0

+ sign 44.595+/-0.011 χ^2/NDF : 1430094.8/17

All: 41.965+/-0.008 χ^2/NDF : 3767318.6/37

- sign 39.603+/-0.011 χ^2/NDF : 2237435.5/19

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/18

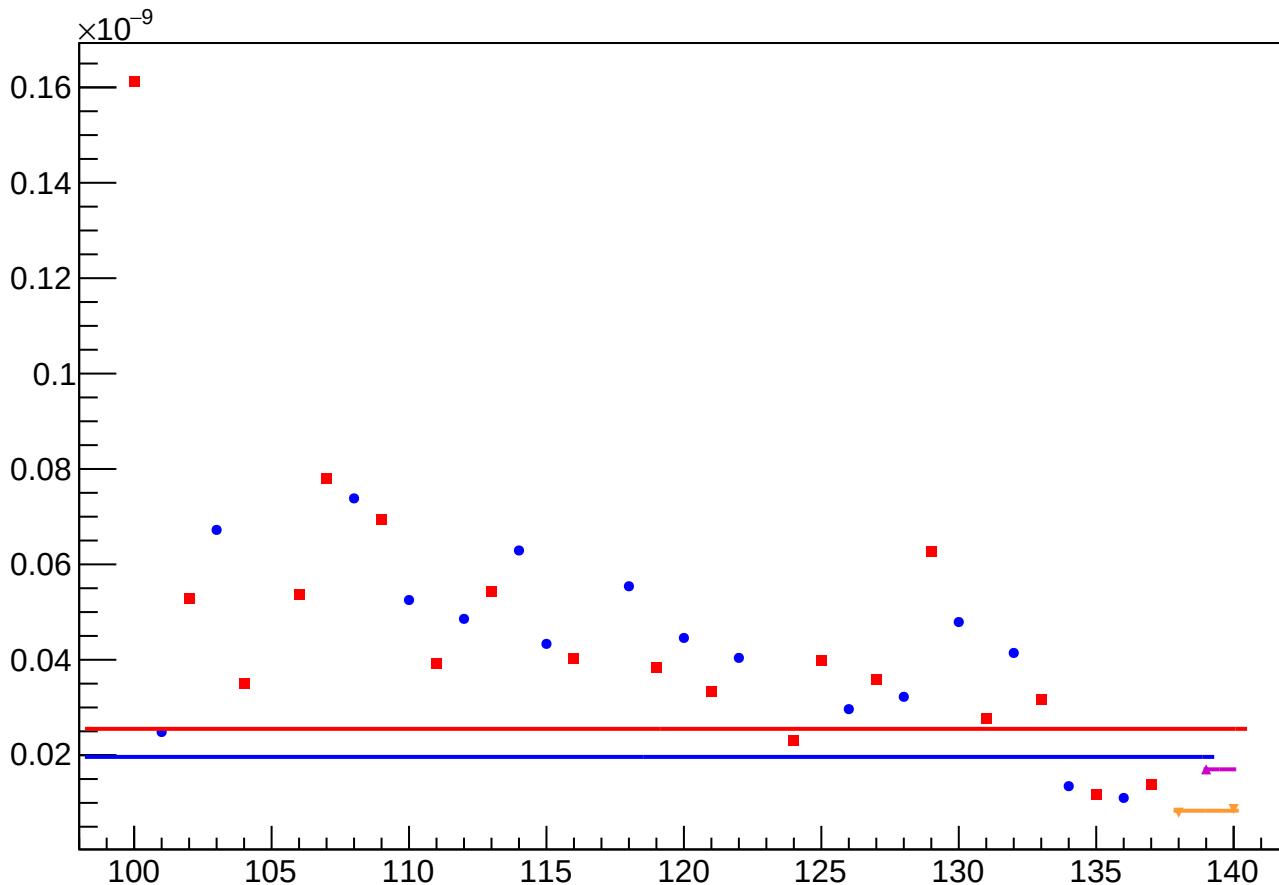
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/19

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 4443.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2703953.2/18

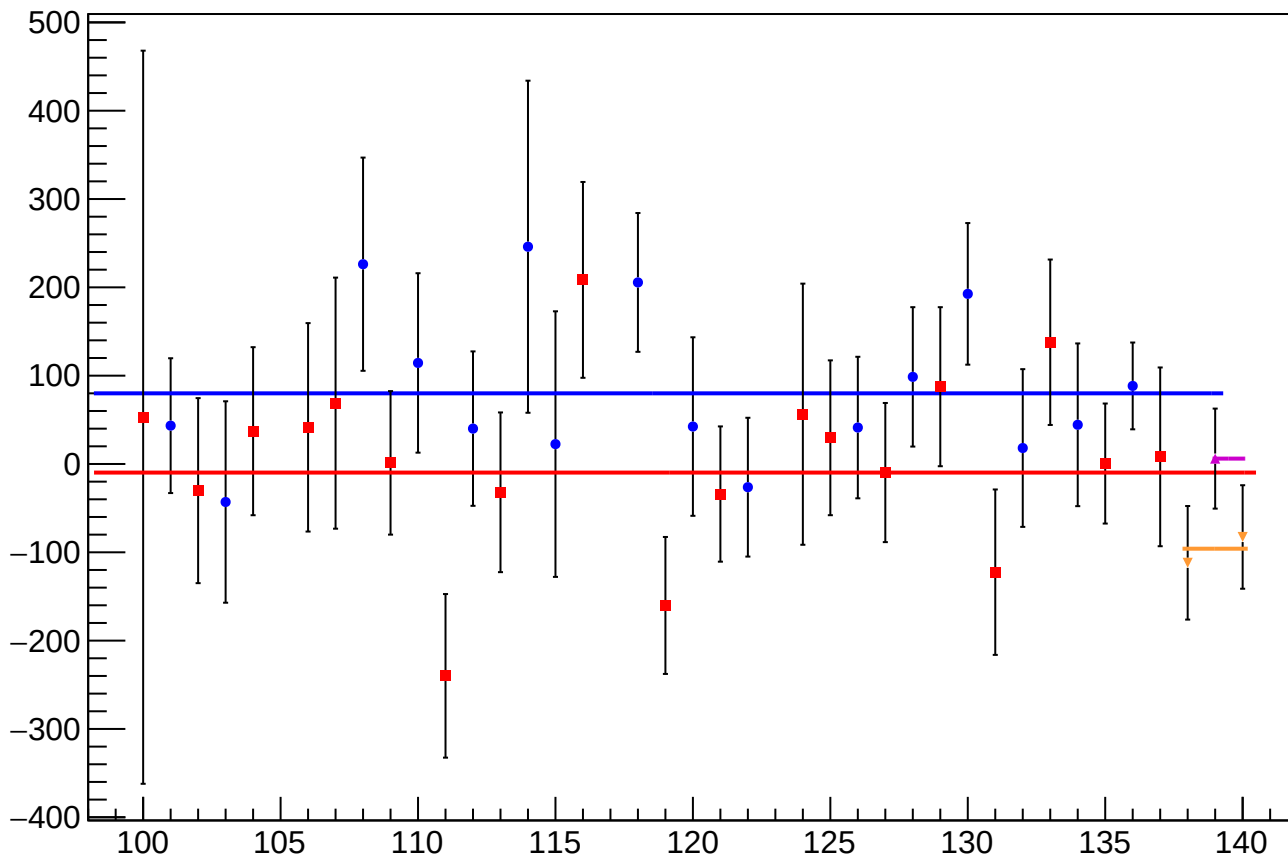
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4560962.1/17

All: 0.000+/-0.000 χ^2/NDF : 8778195.1/37

- sign 0.000+/-0.000 χ^2/NDF : 2918929.6/19

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -95.922 $\pm$ 43.313 χ^2 /NDF:0.1/1

Right Out: -9.730 $\pm$ 21.617 χ^2 /NDF: 20.3/18

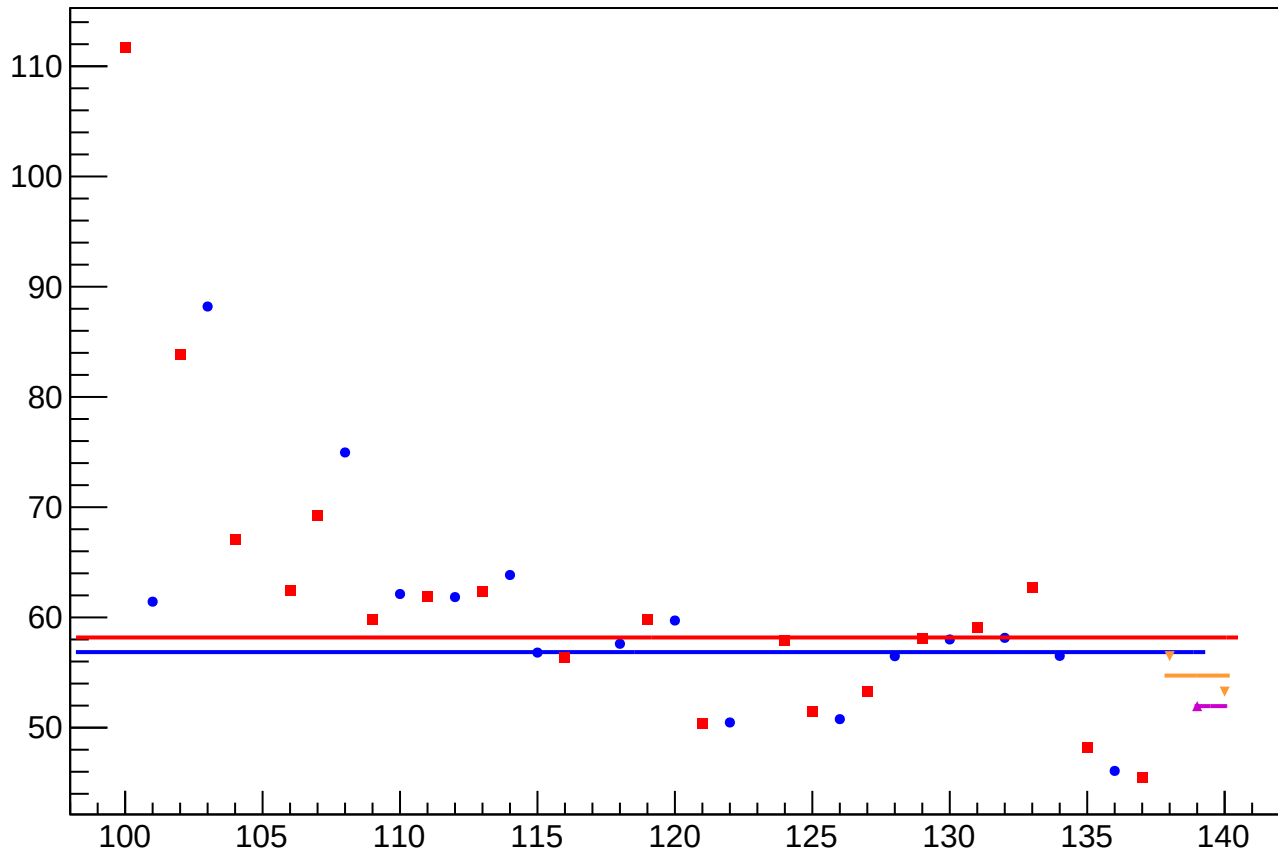
Left In: 6.088 $\pm$ 56.629 χ^2 /NDF:0.0/0

+ sign 45.283 $\pm$ 19.240 χ^2 /NDF: 24.9/17

All: 20.067 $\pm$ 13.930 χ^2 /NDF: 48.9/37

- sign -7.718 $\pm$ 20.196 χ^2 /NDF: 20.4/19

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 ± 0.015 χ^2/NDF : 341601.2/15

Left Out: 54.726 ± 0.031 χ^2/NDF : 2729.1/1

Right Out: 58.181 ± 0.015 χ^2/NDF : 314660.6/18

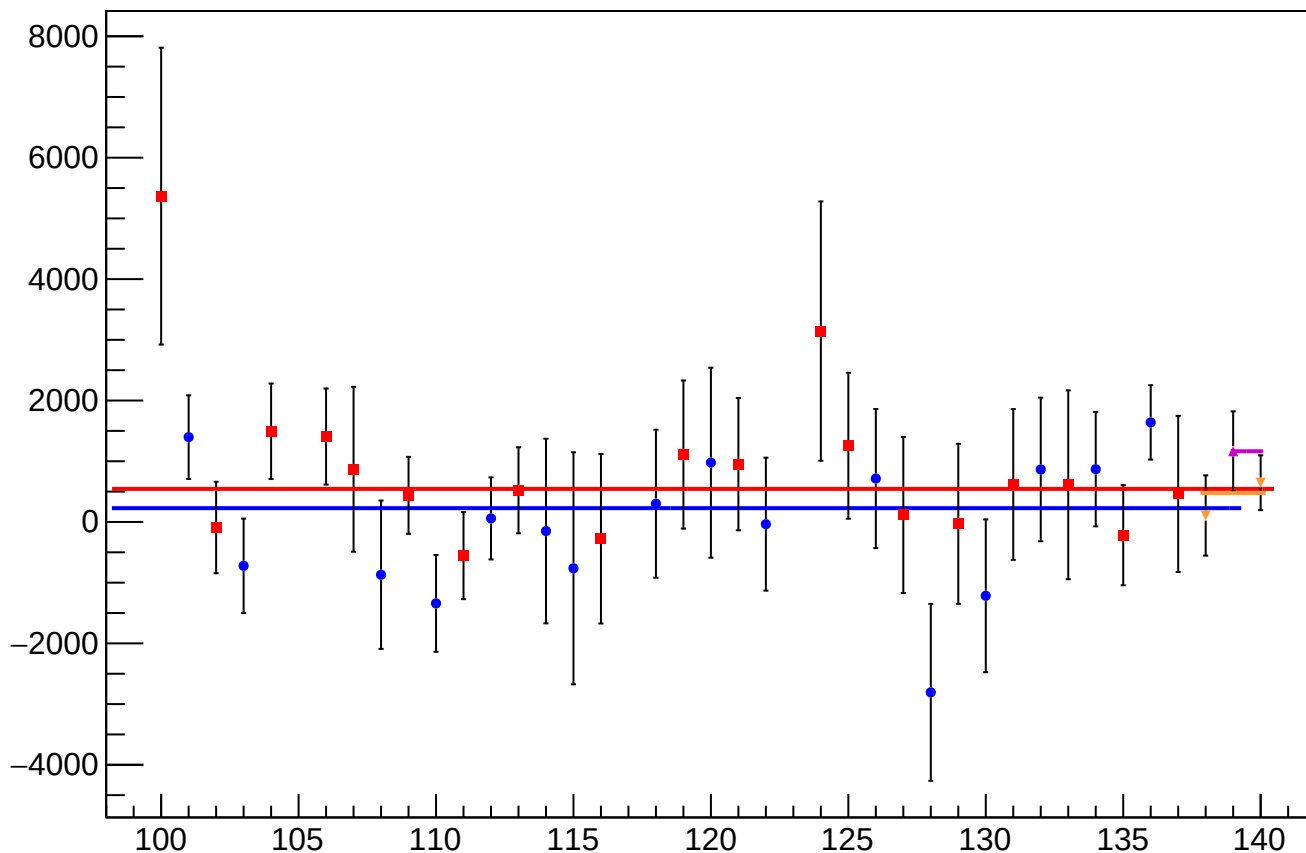
Left In: 51.956 ± 0.040 χ^2/NDF : 0.0/0

+ sign 56.434 ± 0.014 χ^2/NDF : 348206.9/17

All: 56.889 ± 0.010 χ^2/NDF : 686310.9/37

- sign 57.390 ± 0.014 χ^2/NDF : 335757.8/19

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508 $\pm$ 241.225 χ^2 /NDF: 21.6/15

Left Out: 474.573 $\pm$ 373.181 χ^2 /NDF: 0.5/1

Right Out: 544.769 $\pm$ 227.243 χ^2 /NDF: 13.4/18

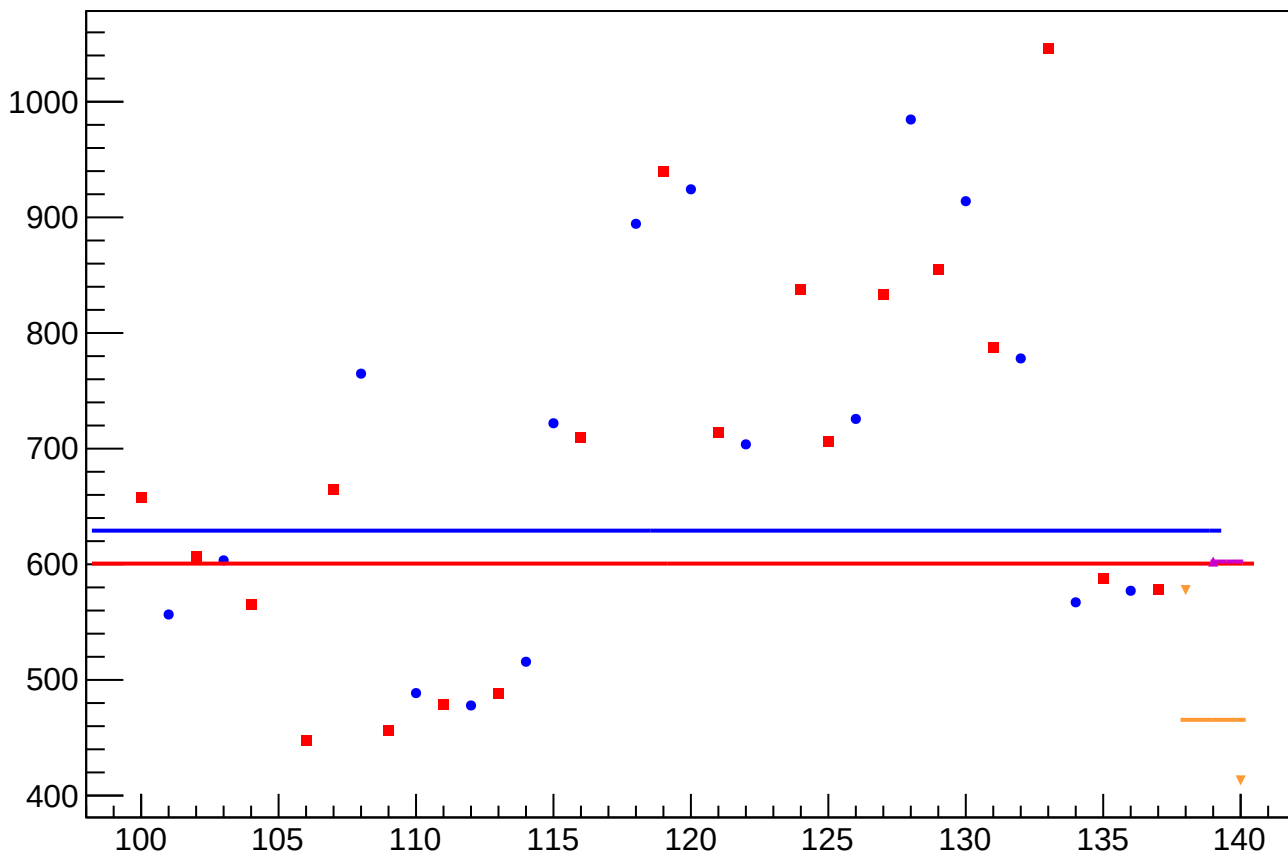
Left In: 1165.057 $\pm$ 656.984 χ^2 /NDF: 0.0/0

+ sign 300.318 $\pm$ 202.586 χ^2 /NDF: 22.4/17

All: 446.628 $\pm$ 147.365 χ^2 /NDF: 37.7/37

- sign 611.050 $\pm$ 214.759 χ^2 /NDF: 14.2/19

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF : 692724.2/15

Left Out: 465.500+/-0.264 χ^2/NDF : 84448.7/1

Right Out: 600.593+/-0.161 χ^2/NDF : 874614.2/18

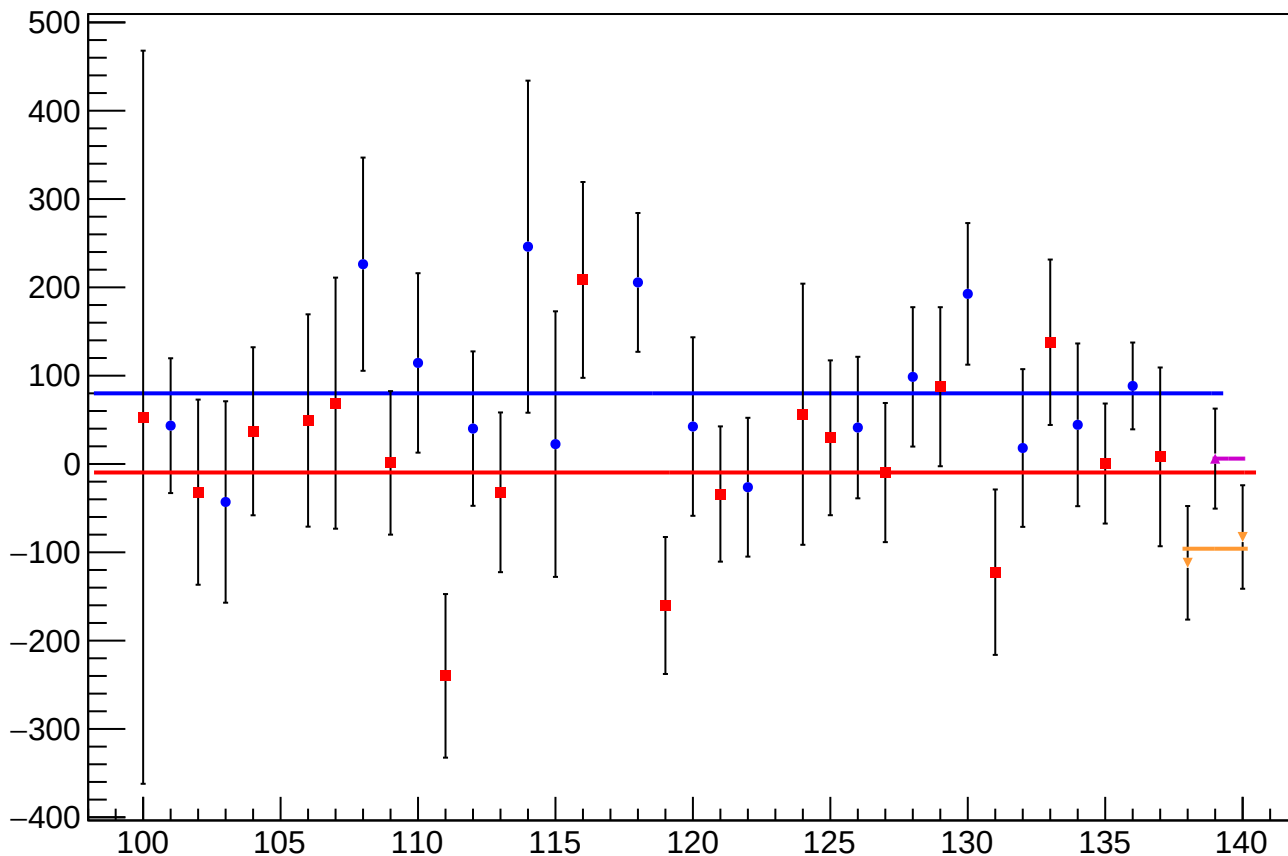
Left In: 602.375+/-0.465 χ^2/NDF : 0.0/0

+ sign 580.884+/-0.143 χ^2/NDF : 1048261.2/17

All: 590.254+/-0.104 χ^2/NDF : 1931974.8/37

- sign 600.784+/-0.152 χ^2/NDF : 874627.3/19

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -95.932 $\pm$ 43.313 χ^2 /NDF:0.1/1

Right Out: -9.619 $\pm$ 21.631 χ^2 /NDF: 20.4/18

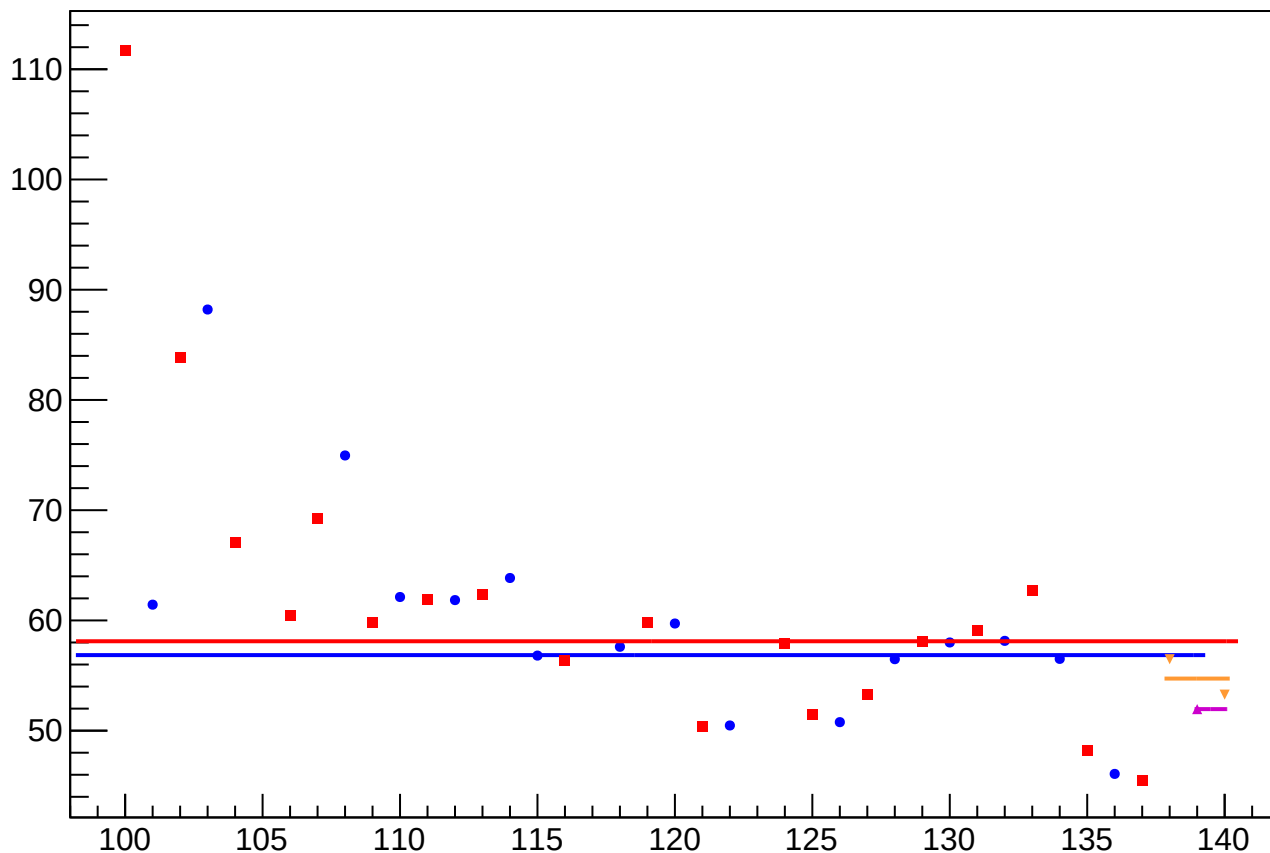
Left In: 6.089 $\pm$ 56.629 χ^2 /NDF:0.0/0

+ sign 45.285 $\pm$ 19.240 χ^2 /NDF: 24.9/17

All: 20.130 $\pm$ 13.934 χ^2 /NDF: 49.0/37

- sign -7.619 $\pm$ 20.207 χ^2 /NDF: 20.5/19

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF : 341605.0/15

Left Out: 54.726+/-0.031 χ^2/NDF : 2729.1/1

Right Out: 58.111+/-0.015 χ^2/NDF : 312938.5/18

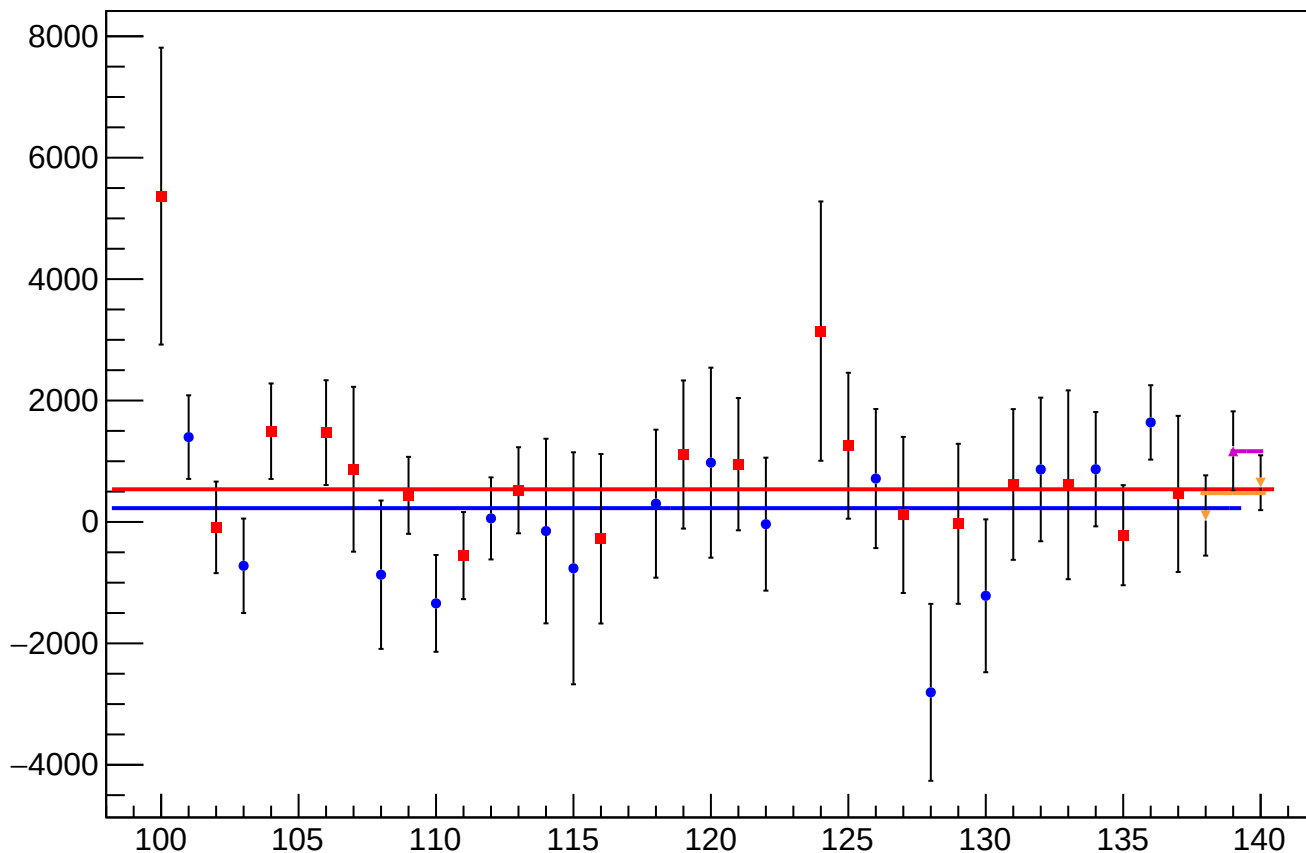
Left In: 51.956+/-0.040 χ^2/NDF : 0.0/0

+ sign 56.434+/-0.014 χ^2/NDF : 348210.7/17

All: 56.859+/-0.010 χ^2/NDF : 683814.1/37

- sign 57.327+/-0.014 χ^2/NDF : 333555.9/19

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547 $\pm$ 241.227 χ^2 /NDF: 21.6/15

Left Out: 474.565 $\pm$ 373.180 χ^2 /NDF: 0.5/1

Right Out: 538.117 $\pm$ 228.754 χ^2 /NDF: 13.3/18

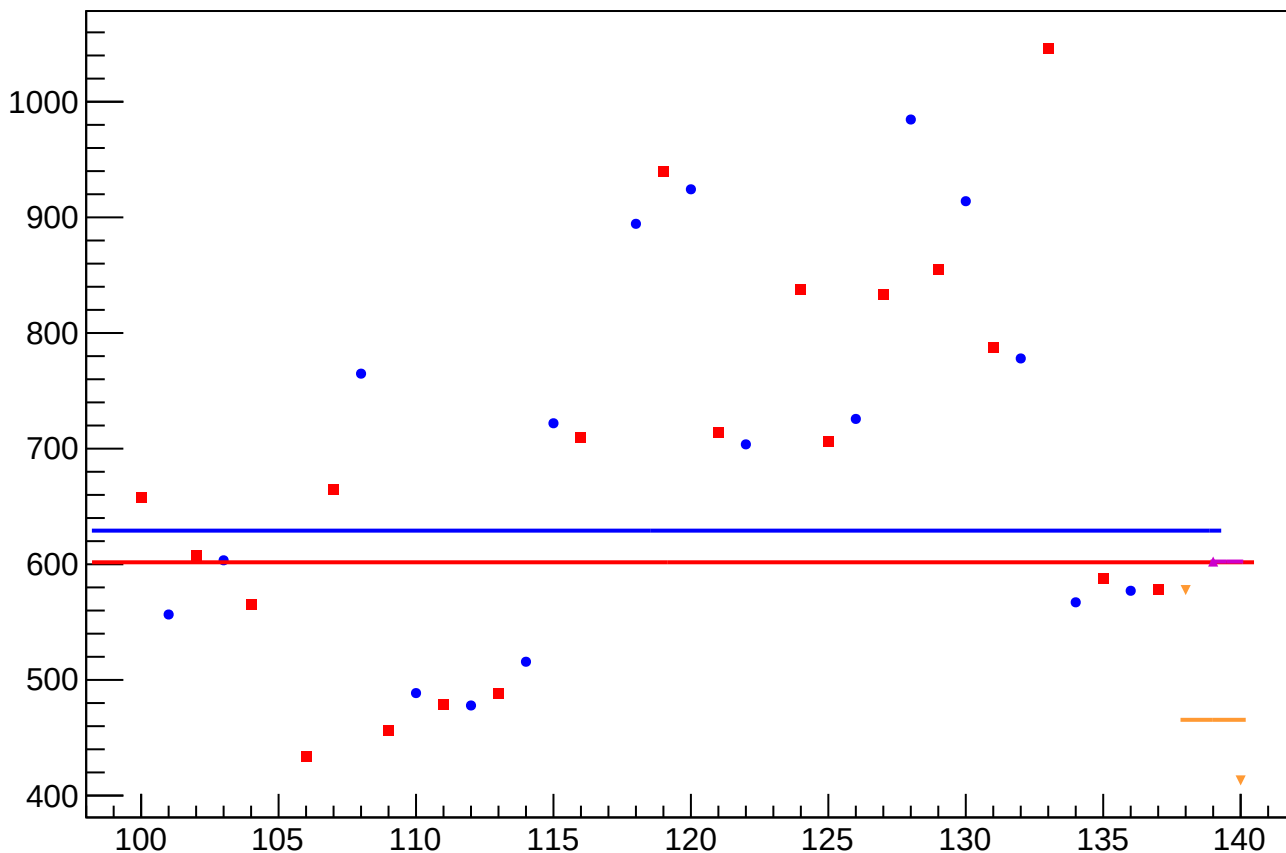
Left In: 1165.060 $\pm$ 656.984 χ^2 /NDF: 0.0/0

+ sign 300.344 $\pm$ 202.587 χ^2 /NDF: 22.4/17

All: 443.320 $\pm$ 147.776 χ^2 /NDF: 37.6/37

- sign 605.906 $\pm$ 216.033 χ^2 /NDF: 14.2/19

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF : 692716.0/15

Left Out: 465.499+/-0.264 χ^2/NDF : 84448.3/1

Right Out: 601.721+/-0.162 χ^2/NDF : 874042.1/18

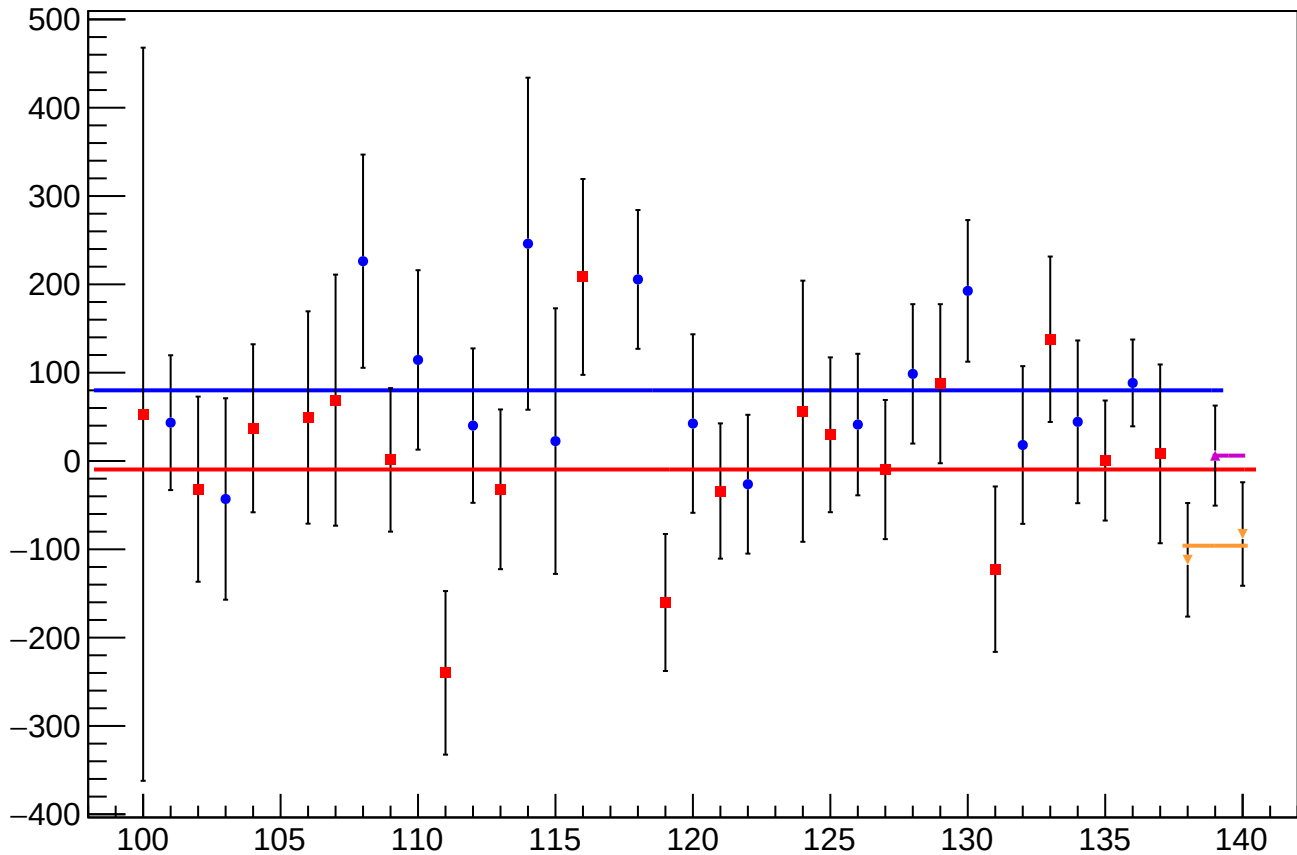
Left In: 602.375+/-0.465 χ^2/NDF : 0.0/0

+ sign 580.887+/-0.143 χ^2/NDF : 1048268.9/17

All: 590.668+/-0.104 χ^2/NDF : 1932277.2/37

- sign 601.791+/-0.153 χ^2/NDF : 874043.8/19

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -95.932 $\pm$ 43.313 χ^2 /NDF: 0.1/1

Right Out: -9.619 $\pm$ 21.631 χ^2 /NDF: 20.4/18

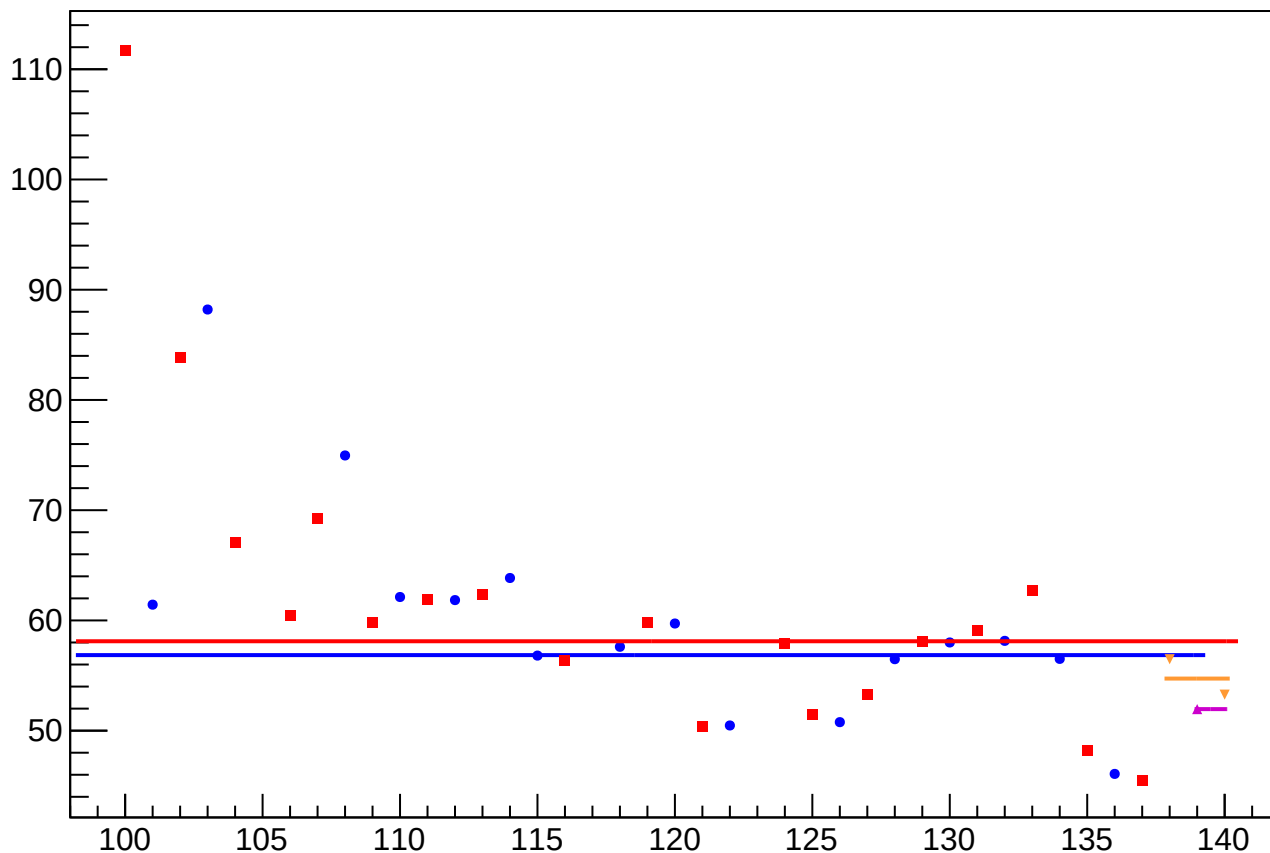
Left In: 6.089 $\pm$ 56.629 χ^2 /NDF: 0.0/0

+ sign 45.285 $\pm$ 19.240 χ^2 /NDF: 24.9/17

All: 20.130 $\pm$ 13.934 χ^2 /NDF: 49.0/37

- sign -7.619 $\pm$ 20.207 χ^2 /NDF: 20.5/19

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341605.0/15

Left Out: 54.726 $\pm$ 0.031 χ^2 /NDF: 2729.1/1

Right Out: 58.111 $\pm$ 0.015 χ^2 /NDF: 312938.5/18

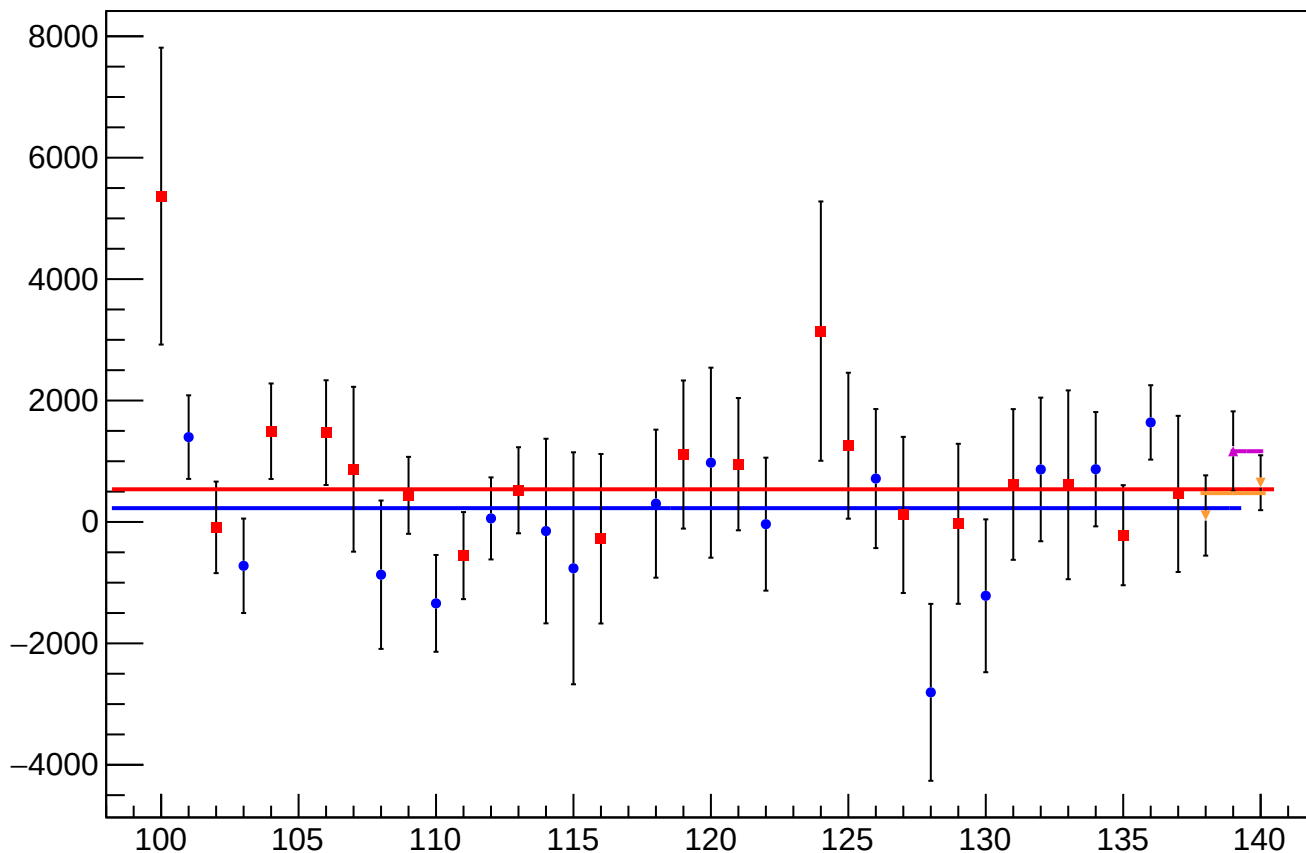
Left In: 51.956 $\pm$ 0.040 χ^2 /NDF: 0.0/0

+ sign 56.434 $\pm$ 0.014 χ^2 /NDF: 348210.7/17

All: 56.859 $\pm$ 0.010 χ^2 /NDF: 683814.1/37

- sign 57.327 $\pm$ 0.014 χ^2 /NDF: 333555.9/19

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 227.547 $\pm$ 241.227 χ^2 /NDF: 21.6/15

Left Out: 474.565 $\pm$ 373.180 χ^2 /NDF: 0.5/1

Right Out: 538.117 $\pm$ 228.754 χ^2 /NDF: 13.3/18

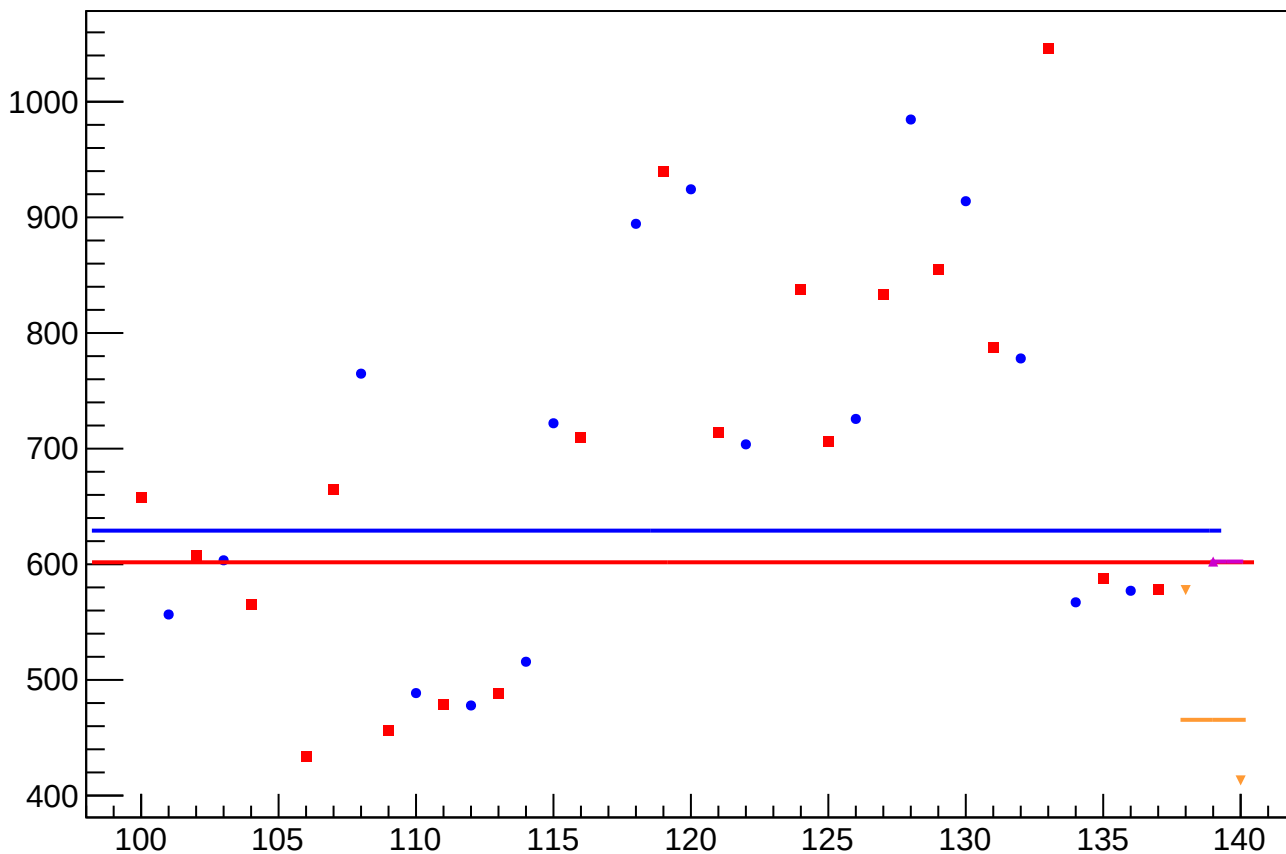
Left In: 1165.060 $\pm$ 656.984 χ^2 /NDF: 0.0/0

+ sign 300.344 $\pm$ 202.587 χ^2 /NDF: 22.4/17

All: 443.320 $\pm$ 147.776 χ^2 /NDF: 37.6/37

- sign 605.906 $\pm$ 216.033 χ^2 /NDF: 14.2/19

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF : 692716.0/15

Left Out: 465.499+/-0.264 χ^2/NDF : 84448.3/1

Right Out: 601.721+/-0.162 χ^2/NDF : 874042.1/18

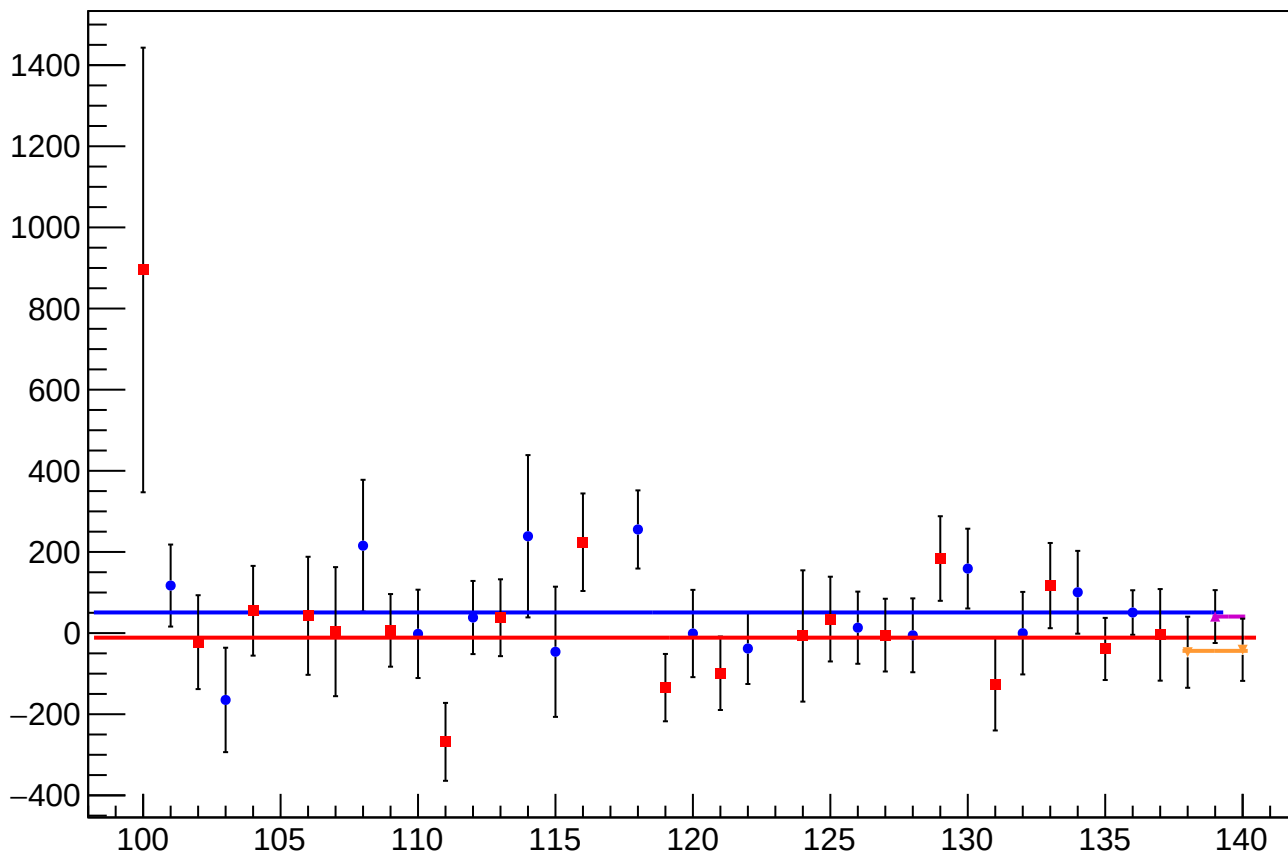
Left In: 602.375+/-0.465 χ^2/NDF : 0.0/0

+ sign 580.887+/-0.143 χ^2/NDF : 1048268.9/17

All: 590.668+/-0.104 χ^2/NDF : 1932277.2/37

- sign 601.791+/-0.153 χ^2/NDF : 874043.8/19

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861 ± 24.492 χ^2/NDF : 13.8/15

Left Out: -43.826 ± 57.676 χ^2/NDF : 0.0/1

Right Out: -11.261 ± 24.324 χ^2/NDF : 24.0/18

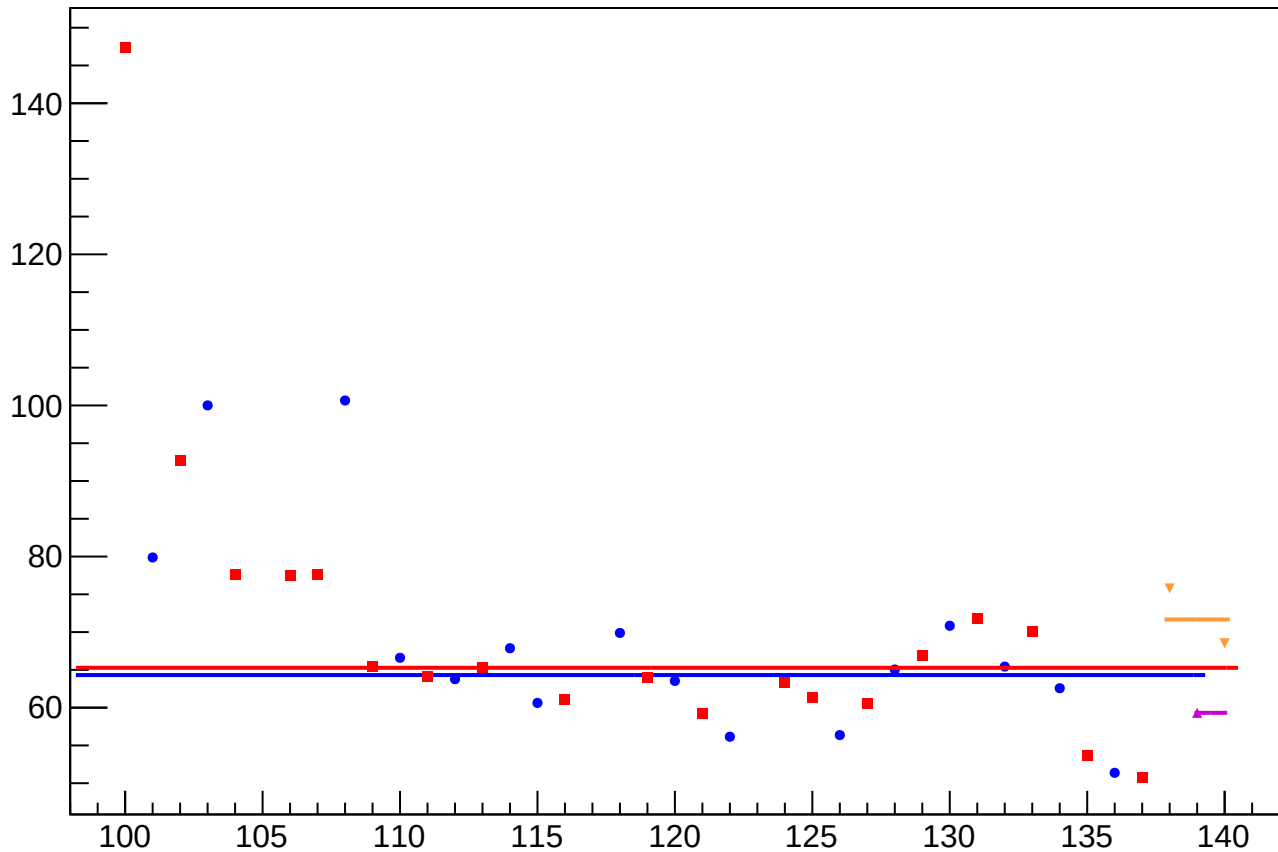
Left In: 40.736 ± 65.162 χ^2/NDF : 0.0/0

+ sign 36.395 ± 22.544 χ^2/NDF : 16.1/17

All: 15.969 ± 16.027 χ^2/NDF : 42.3/37

- sign -4.901 ± 22.788 χ^2/NDF : 24.6/19

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 $\pm$ 0.017 χ^2 /NDF: 464952.4/15

Left Out: 71.668 $\pm$ 0.041 χ^2 /NDF: 7775.3/1

Right Out: 65.277 $\pm$ 0.017 χ^2 /NDF: 319136.6/18

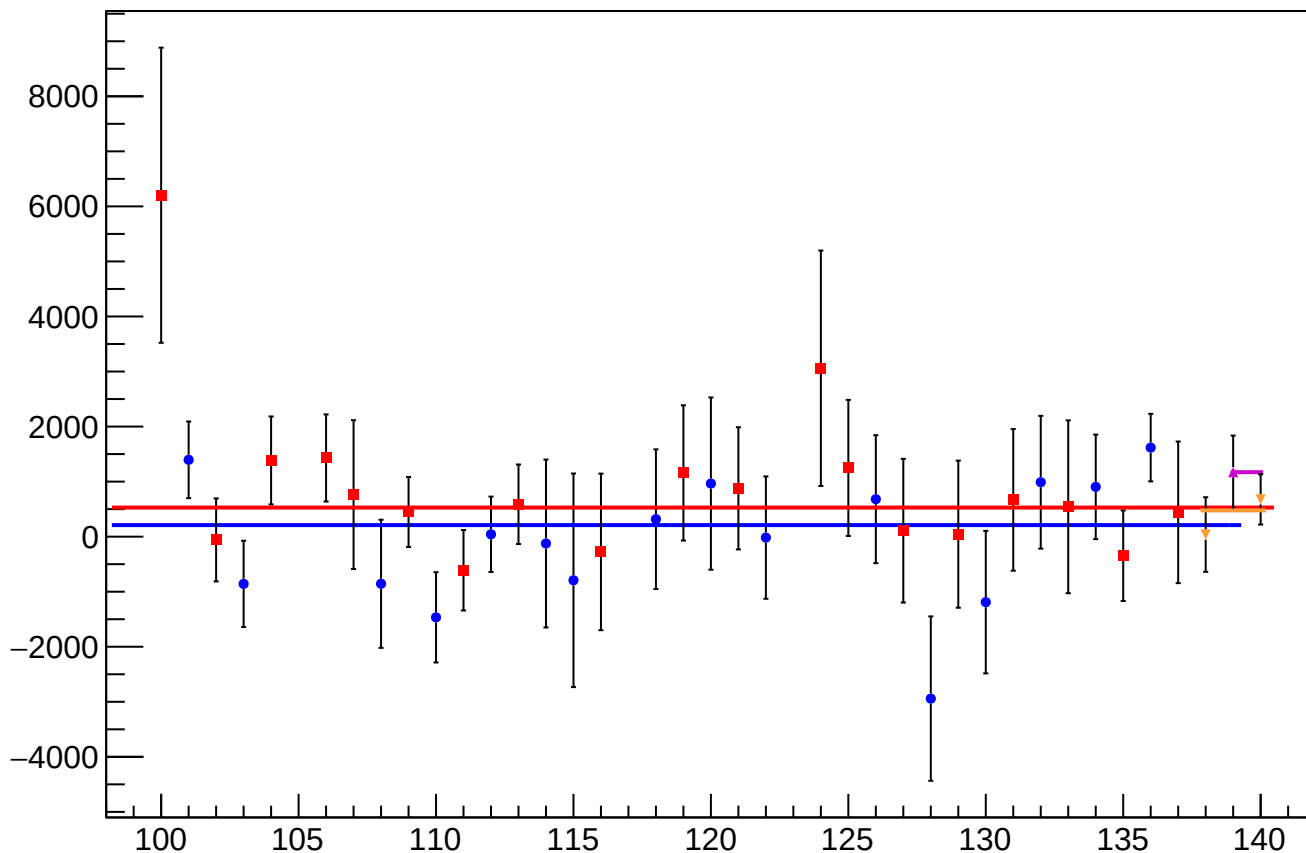
Left In: 59.315 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 65.440 $\pm$ 0.016 χ^2 /NDF: 500251.2/17

All: 64.999 $\pm$ 0.011 χ^2 /NDF: 835634.4/37

- sign 64.548 $\pm$ 0.016 χ^2 /NDF: 333835.4/19

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018 $\pm$ 243.798 χ^2 /NDF: 22.4/15

Left Out: 477.704 $\pm$ 378.538 χ^2 /NDF:0.6/1

Right Out: 528.675 $\pm$ 229.679 χ^2 /NDF: 13.8/18

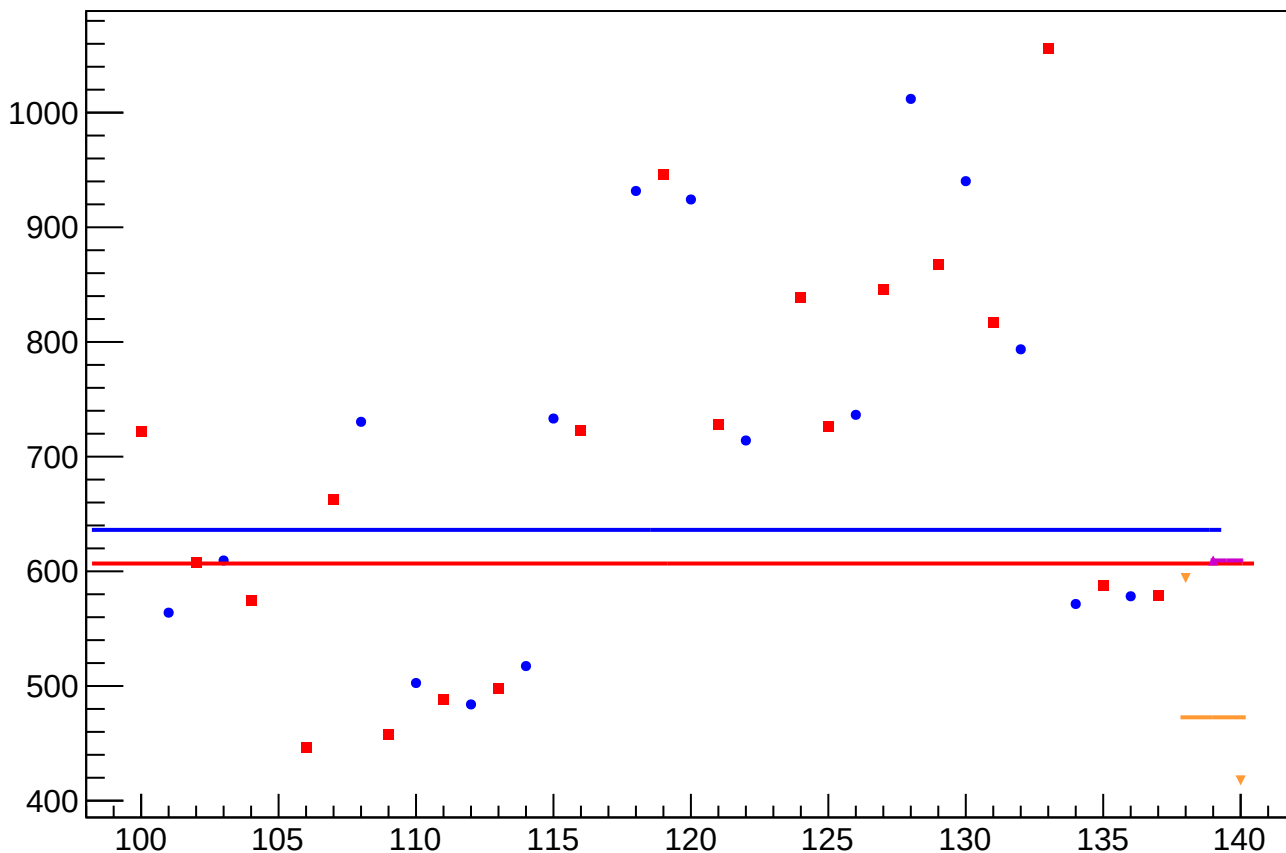
Left In: 1171.059 $\pm$ 664.922 χ^2 /NDF:0.0/0

+ sign 288.500 $\pm$ 204.966 χ^2 /NDF: 23.4/17

All: 433.965 $\pm$ 149.036 χ^2 /NDF: 39.1/37

- sign 597.151 $\pm$ 217.092 χ^2 /NDF: 14.7/19

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF : 705237.7/15

Left Out: 472.692+/-0.268 χ^2/NDF : 93260.0/1

Right Out: 606.803+/-0.162 χ^2/NDF : 893878.7/18

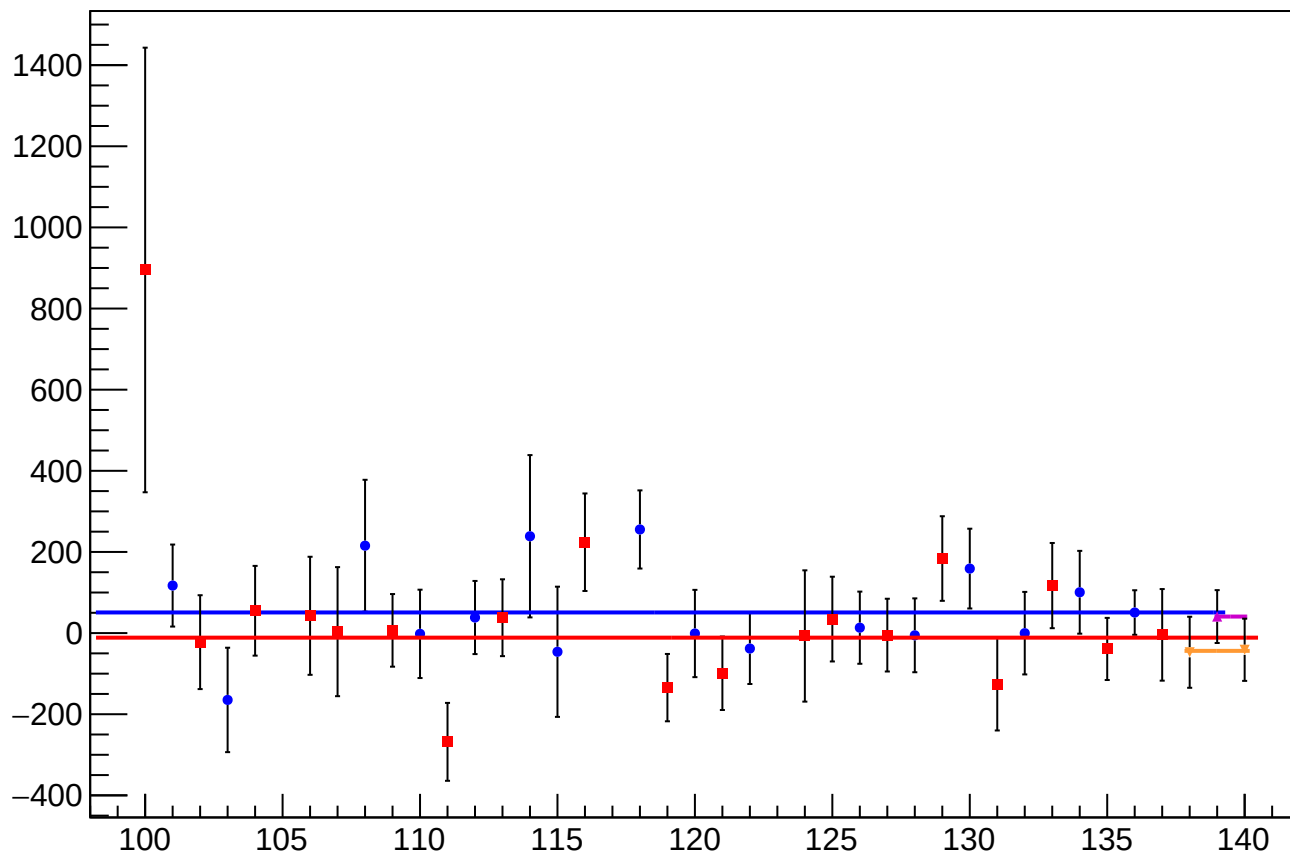
Left In: 609.495+/-0.470 χ^2/NDF : 0.0/0

+ sign 588.222+/-0.145 χ^2/NDF : 1062069.3/17

All: 597.114+/-0.105 χ^2/NDF : 1963964.5/37

- sign 607.090+/-0.154 χ^2/NDF : 893908.0/19

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859 $\pm$ 24.492 χ^2 /NDF: 13.8/15

Left Out: -43.828 $\pm$ 57.676 χ^2 /NDF: 0.0/1

Right Out: -11.261 $\pm$ 24.324 χ^2 /NDF: 24.0/18

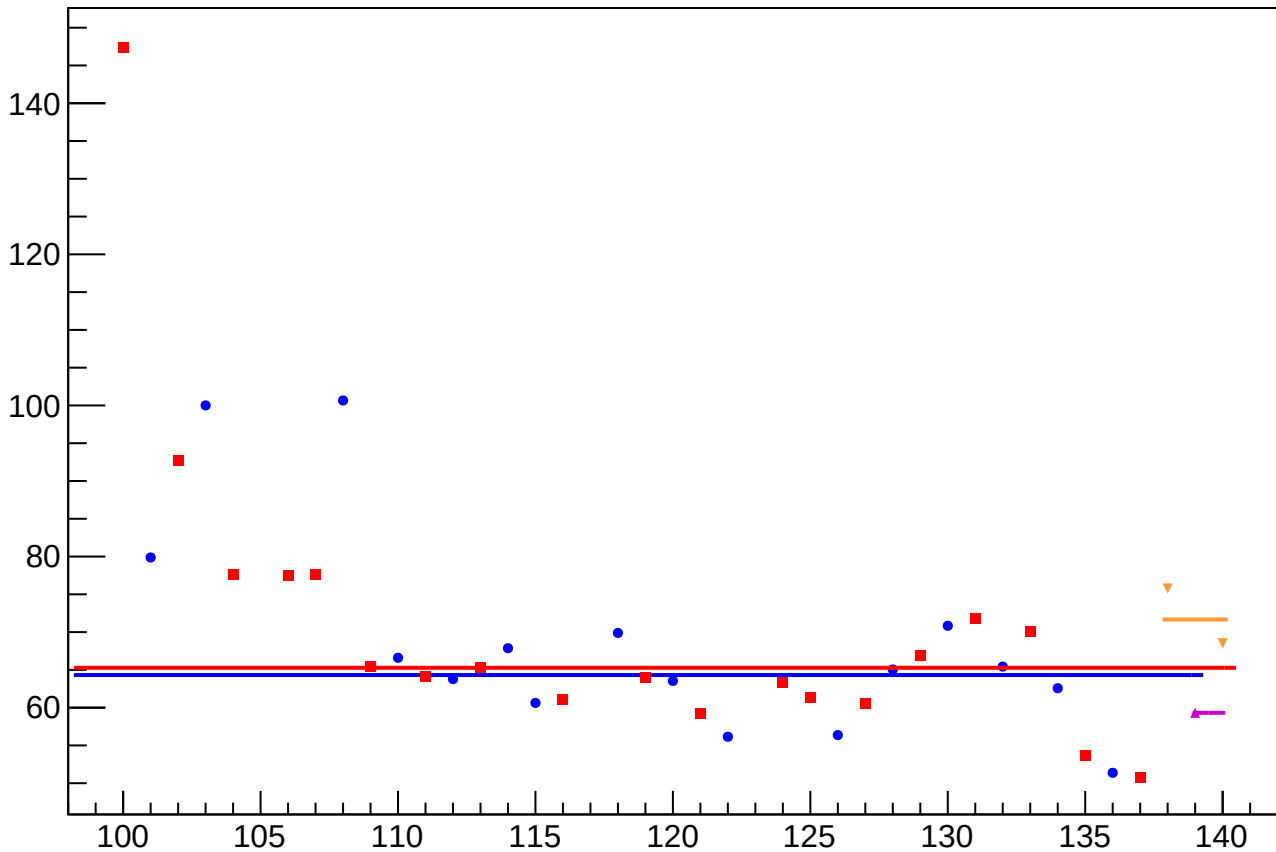
Left In: 40.732 $\pm$ 65.162 χ^2 /NDF: 0.0/0

+ sign 36.392 $\pm$ 22.544 χ^2 /NDF: 16.1/17

All: 15.968 $\pm$ 16.027 χ^2 /NDF: 42.3/37

- sign -4.902 $\pm$ 22.788 χ^2 /NDF: 24.6/19

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 $\pm$ 0.017 χ^2 /NDF: 464950.5/15

Left Out: 71.667 $\pm$ 0.041 χ^2 /NDF: 7774.0/1

Right Out: 65.277 $\pm$ 0.017 χ^2 /NDF: 319140.2/18

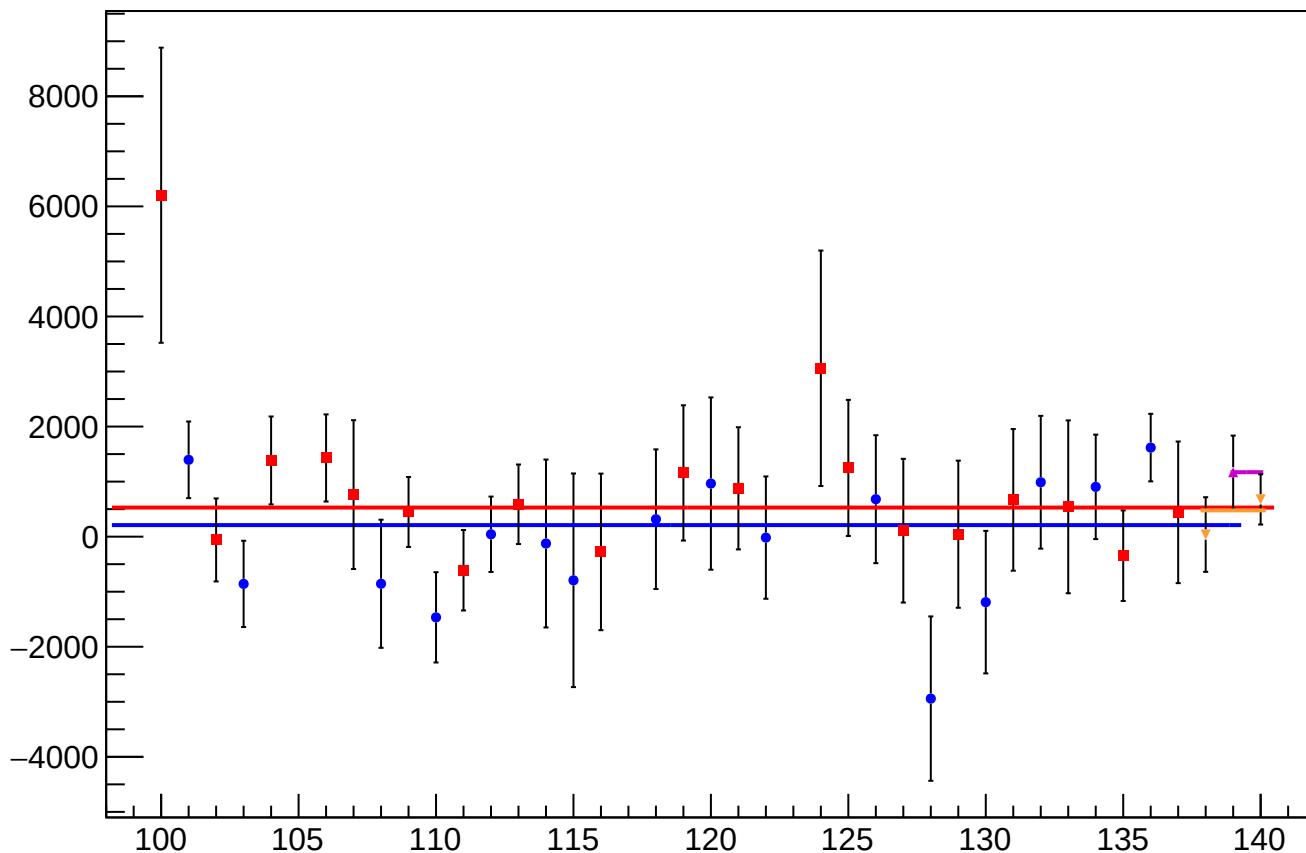
Left In: 59.314 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 65.440 $\pm$ 0.016 χ^2 /NDF: 500247.2/17

All: 64.999 $\pm$ 0.011 χ^2 /NDF: 835635.9/37

- sign 64.548 $\pm$ 0.016 χ^2 /NDF: 333840.6/19

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug



Right In: 210.017 $\pm$ 243.798 χ^2 /NDF: 22.4/15

Left Out: 477.703 $\pm$ 378.537 χ^2 /NDF:0.6/1

Right Out: 528.674 $\pm$ 229.678 χ^2 /NDF: 13.8/18

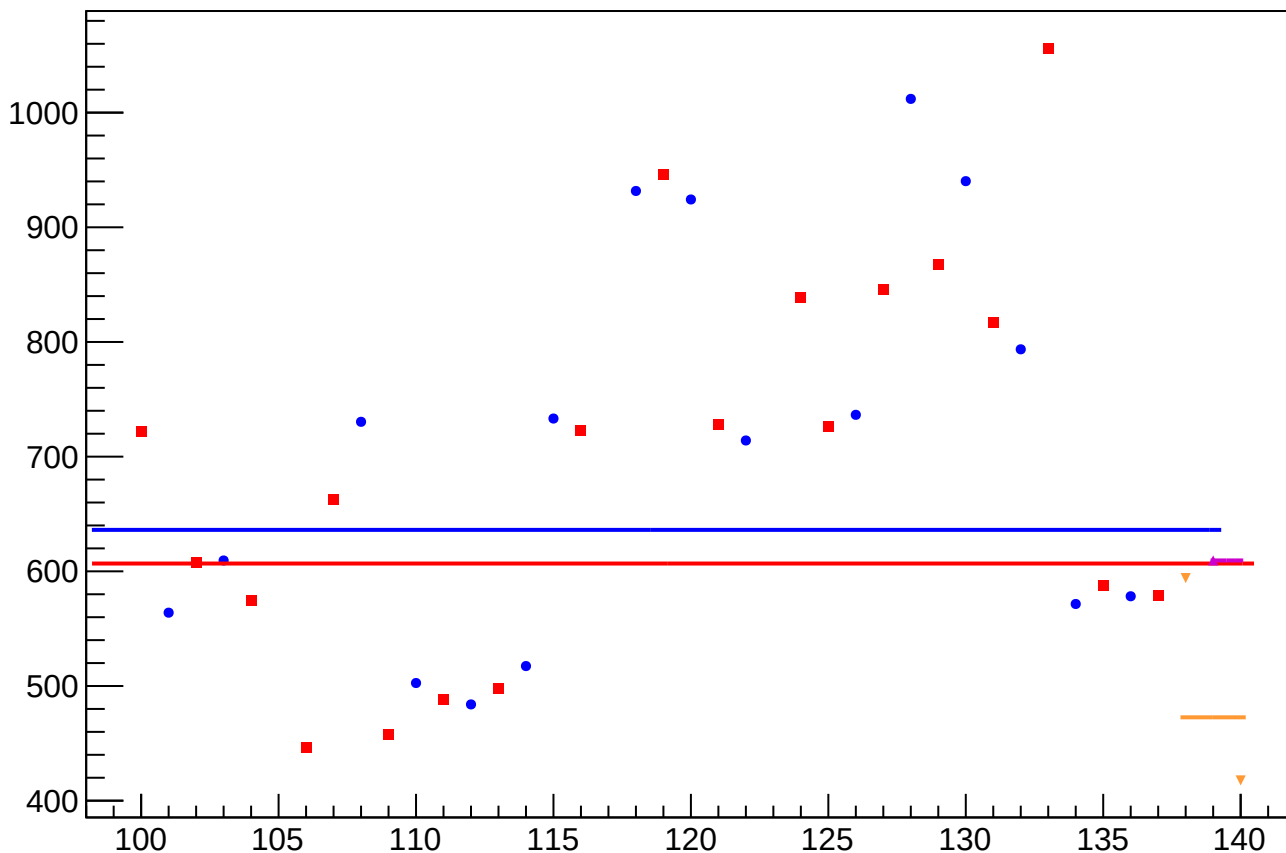
Left In: 1171.059 $\pm$ 664.921 χ^2 /NDF:0.0/0

+ sign 288.499 $\pm$ 204.966 χ^2 /NDF: 23.4/17

All: 433.964 $\pm$ 149.035 χ^2 /NDF: 39.1/37

- sign 597.151 $\pm$ 217.092 χ^2 /NDF: 14.7/19

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF : 705241.1/15

Left Out: 472.690+/-0.268 χ^2/NDF : 93259.5/1

Right Out: 606.802+/-0.162 χ^2/NDF : 893880.8/18

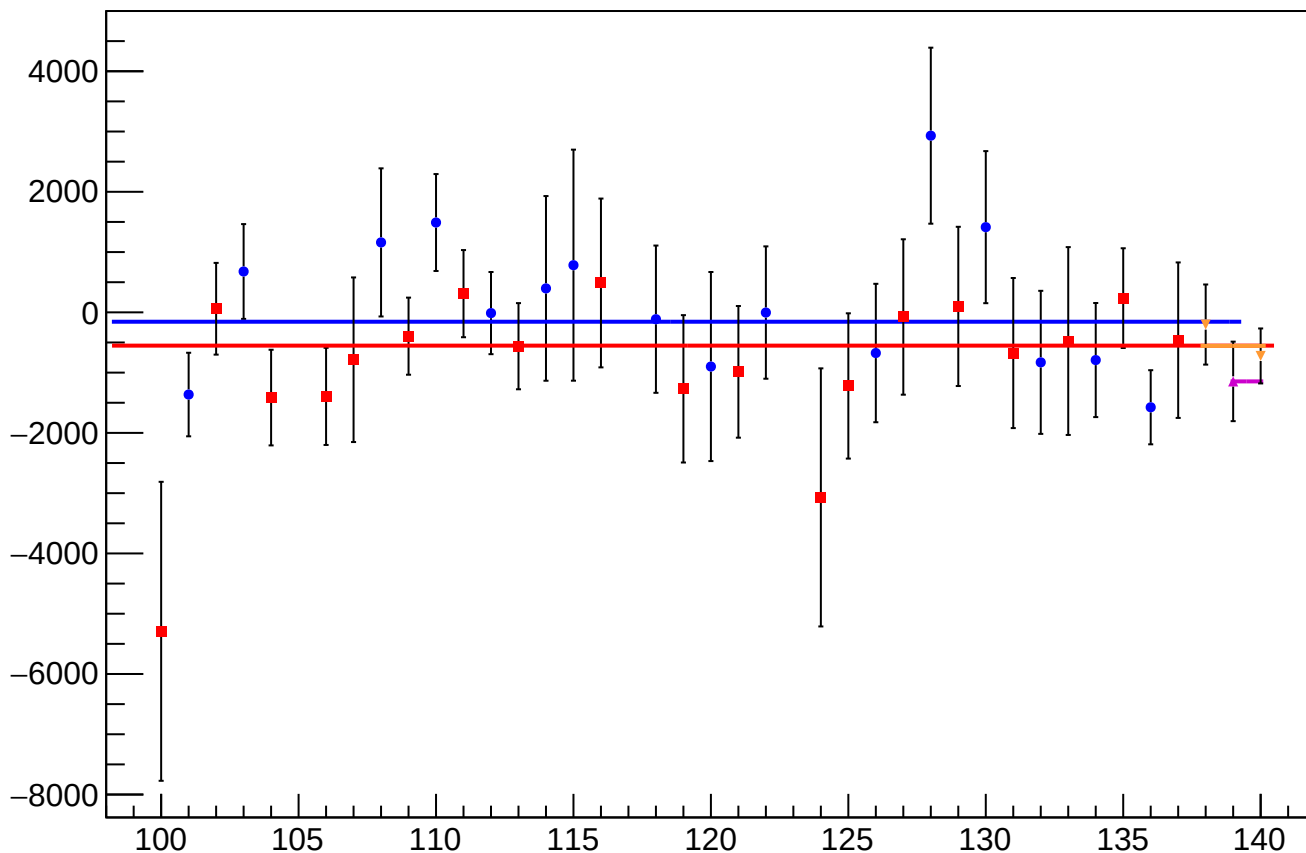
Left In: 609.494+/-0.470 χ^2/NDF : 0.0/0

+ sign 588.221+/-0.145 χ^2/NDF : 1062077.8/17

All: 597.113+/-0.105 χ^2/NDF : 1963975.6/37

- sign 607.089+/-0.154 χ^2/NDF : 893910.1/19

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF : 22.5/15

Left Out: -556.635+/-376.030 χ^2/NDF : 0.4/1

Right Out: -552.176+/-228.890 χ^2/NDF : 12.1/18

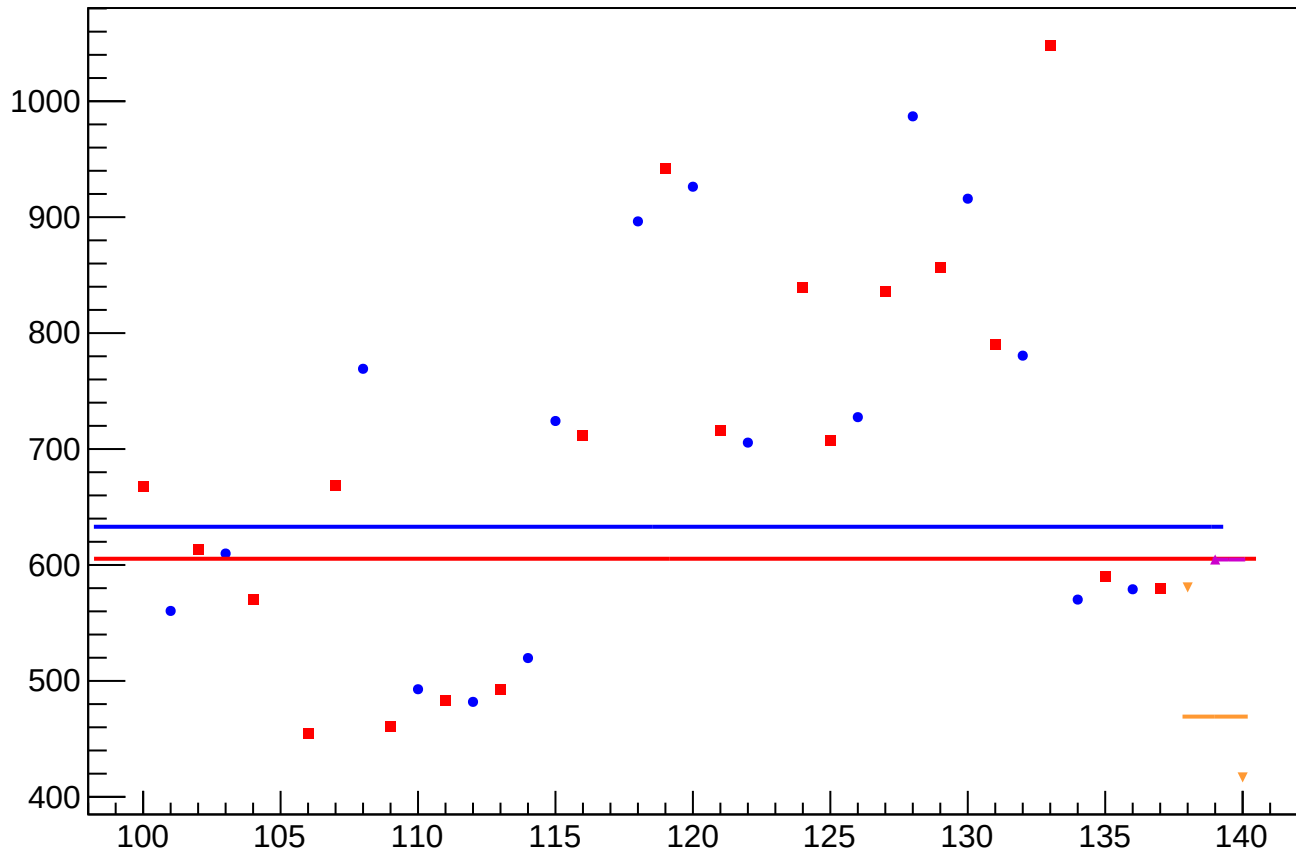
Left In: -1145.751+/-659.520 χ^2/NDF : 0.0/0

+ sign -273.497+/-203.853 χ^2/NDF : 23.7/17

All: -434.654+/-148.331 χ^2/NDF : 37.9/37

- sign -615.985+/-216.238 χ^2/NDF : 12.9/19

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF : 681138.4/15

Left Out: 469.223+/-0.266 χ^2/NDF : 82675.2/1

Right Out: 605.373+/-0.162 χ^2/NDF : 853994.0/18

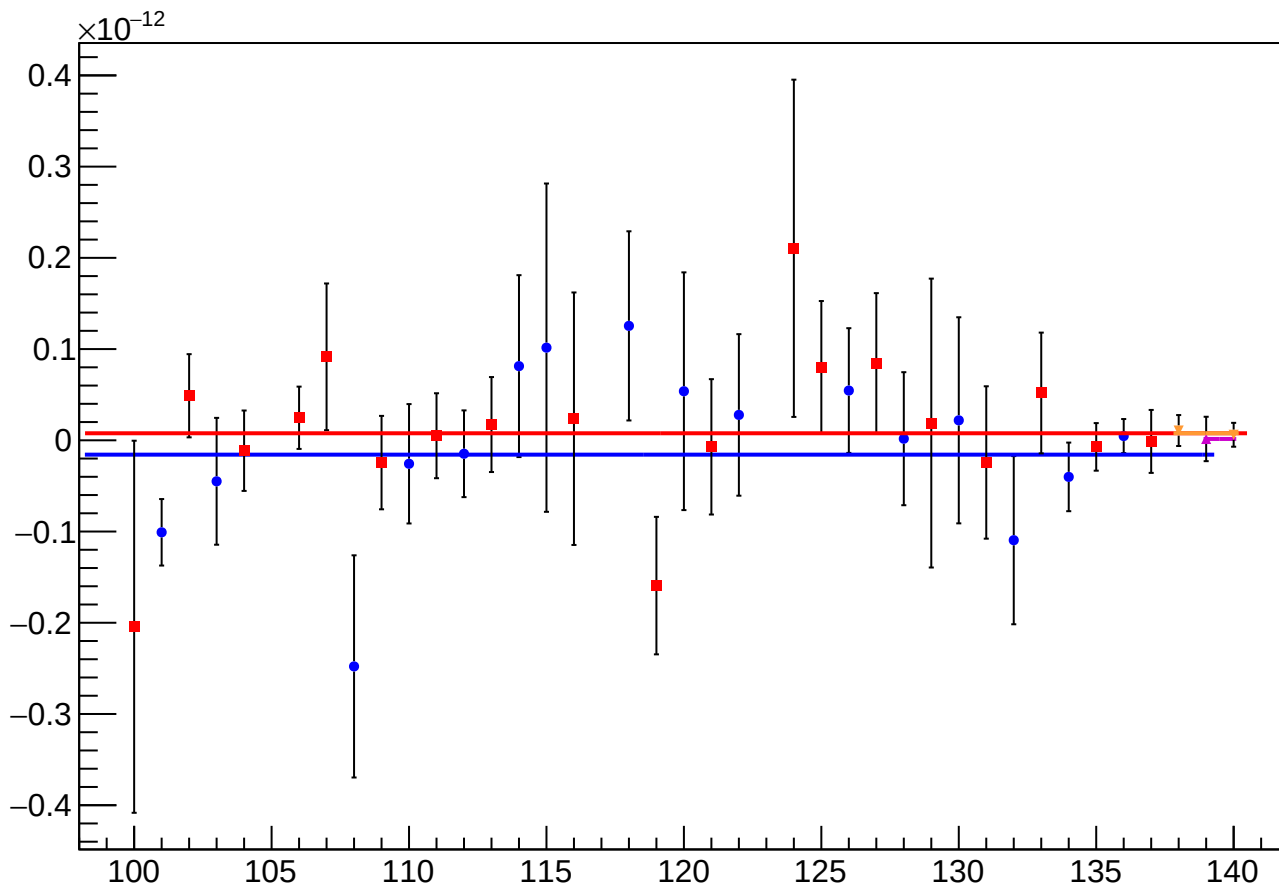
Left In: 604.725+/-0.466 χ^2/NDF : 0.0/0

+ sign 584.843+/-0.144 χ^2/NDF : 1031595.0/17

All: 594.471+/-0.105 χ^2/NDF : 1895070.9/37

- sign 605.304+/-0.153 χ^2/NDF : 853995.8/19

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.0/18

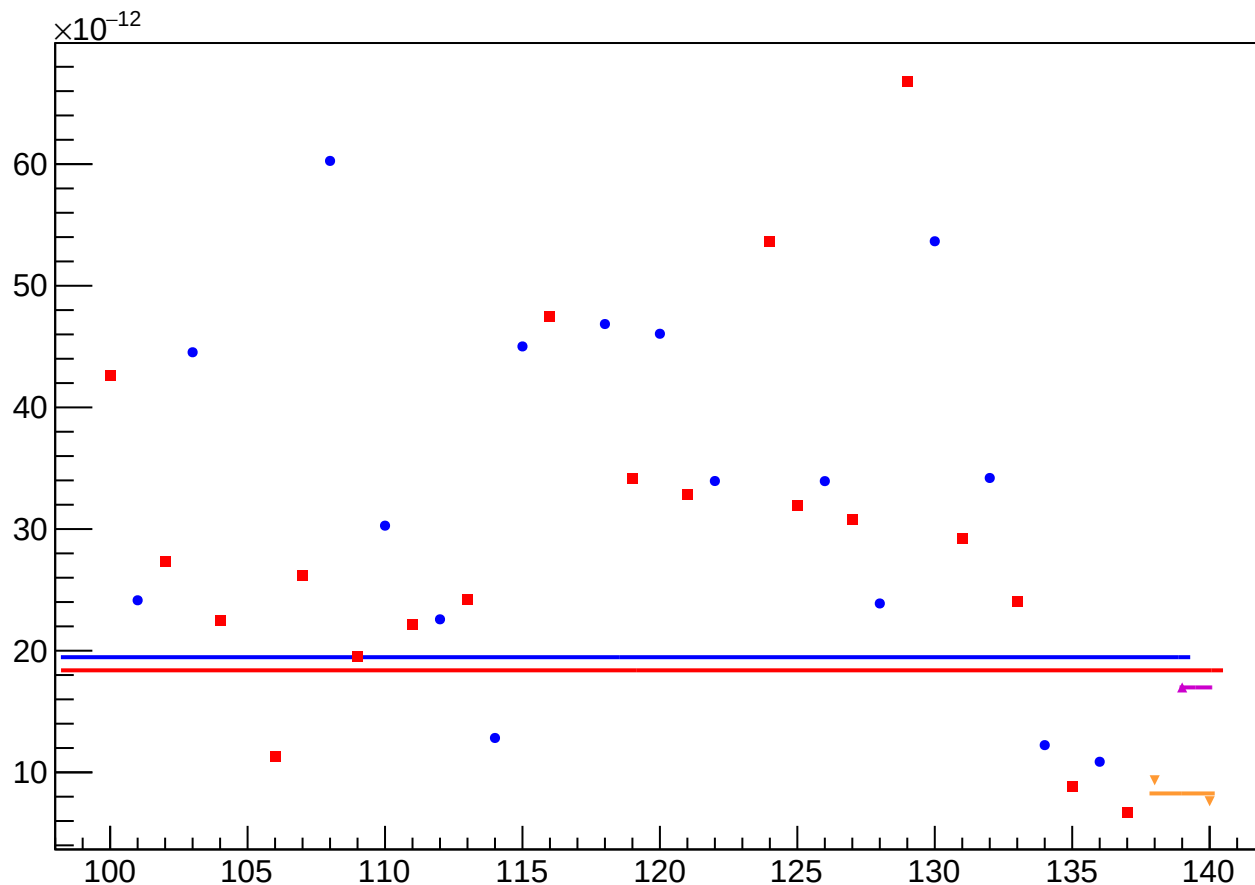
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 19.0/17

All: 0.000 ± 0.000 χ^2/NDF : 32.4/37

- sign 0.000 ± 0.000 χ^2/NDF : 13.0/19

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF :12925.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1444777.6/18

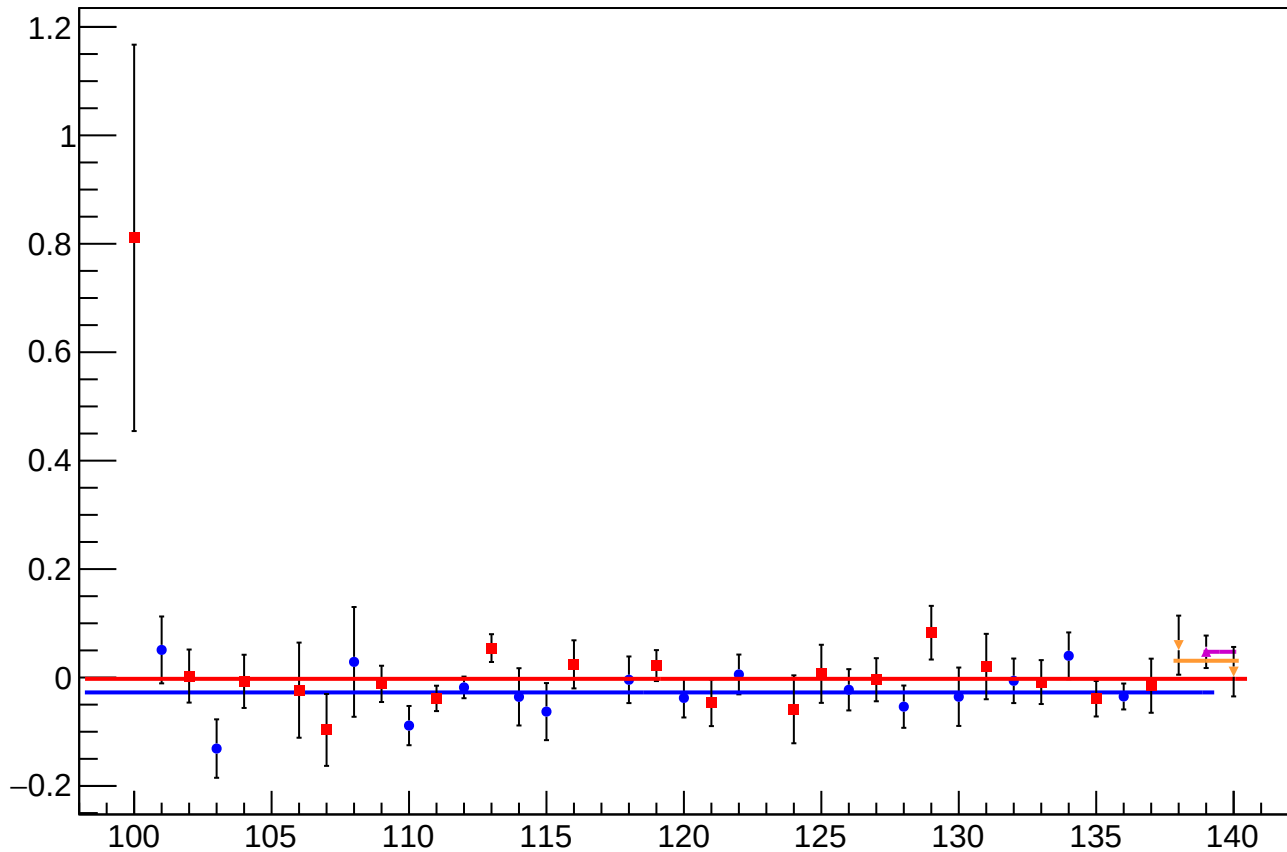
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2690659.9/17

All: 0.000+/-0.000 χ^2/NDF : 4451707.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1450115.4/19

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: 0.031 ± 0.035 χ^2/NDF : 0.5/1

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

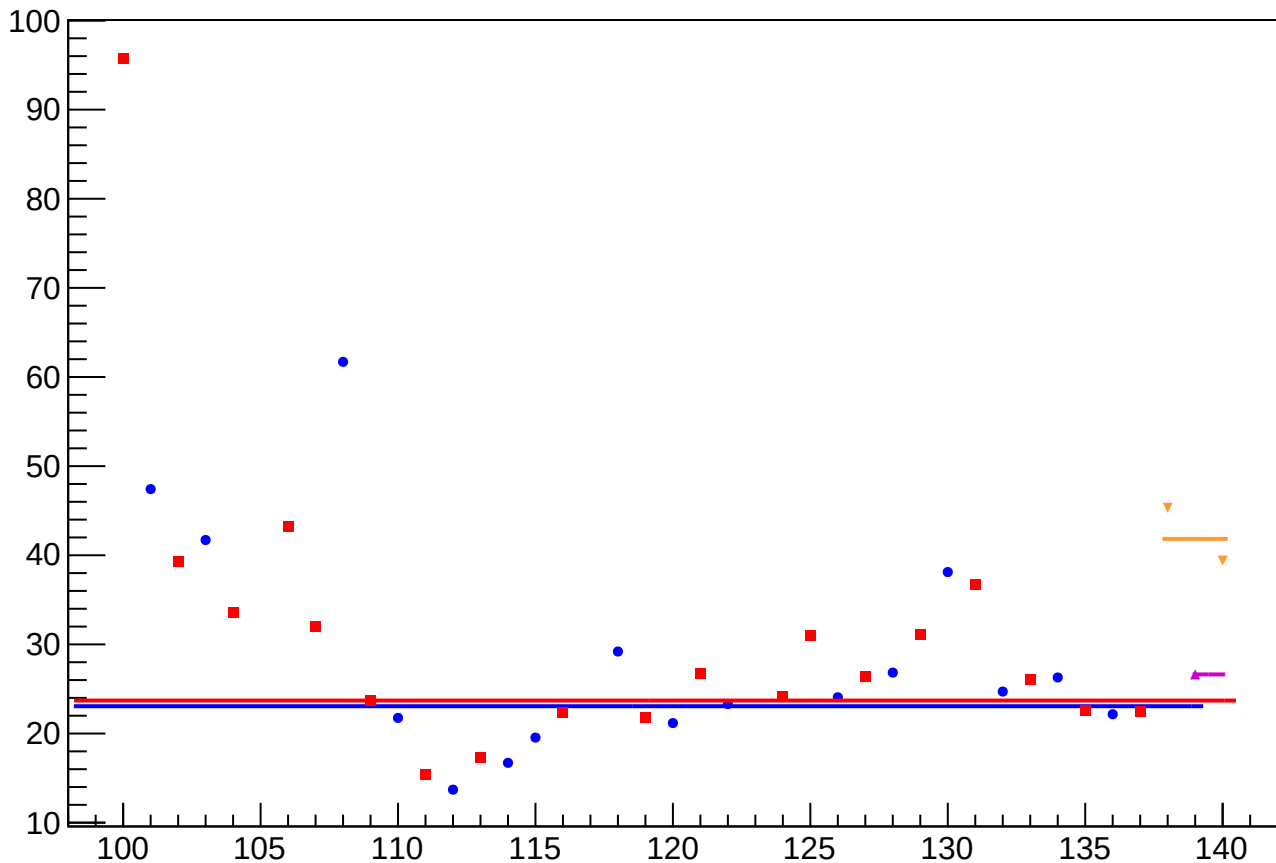
Left In: 0.047 ± 0.030 χ^2/NDF : 0.0/0

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.011 ± 0.006 χ^2/NDF : 45.4/37

- sign 0.002 ± 0.009 χ^2/NDF : 24.6/19

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: 41.839+/-0.025 χ^2/NDF : 13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF : 1088494.2/18

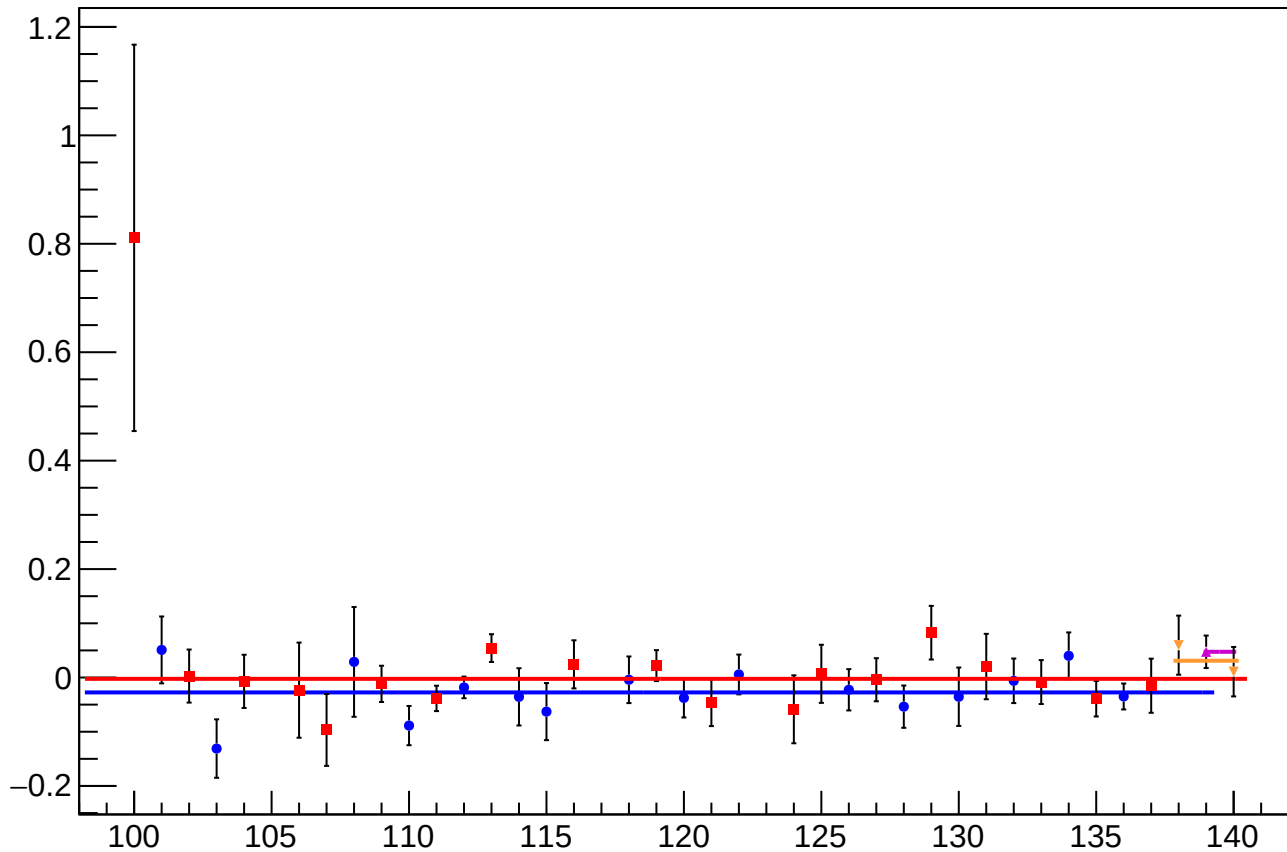
Left In: 26.632+/-0.021 χ^2/NDF : 0.0/0

+ sign 24.328+/-0.006 χ^2/NDF : 2115685.6/17

All: 24.140+/-0.004 χ^2/NDF : 3223331.9/37

- sign 23.960+/-0.006 χ^2/NDF : 1105957.3/19

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027 ± 0.009 χ^2/NDF : 13.7/15

Left Out: 0.031 ± 0.035 χ^2/NDF : 0.5/1

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

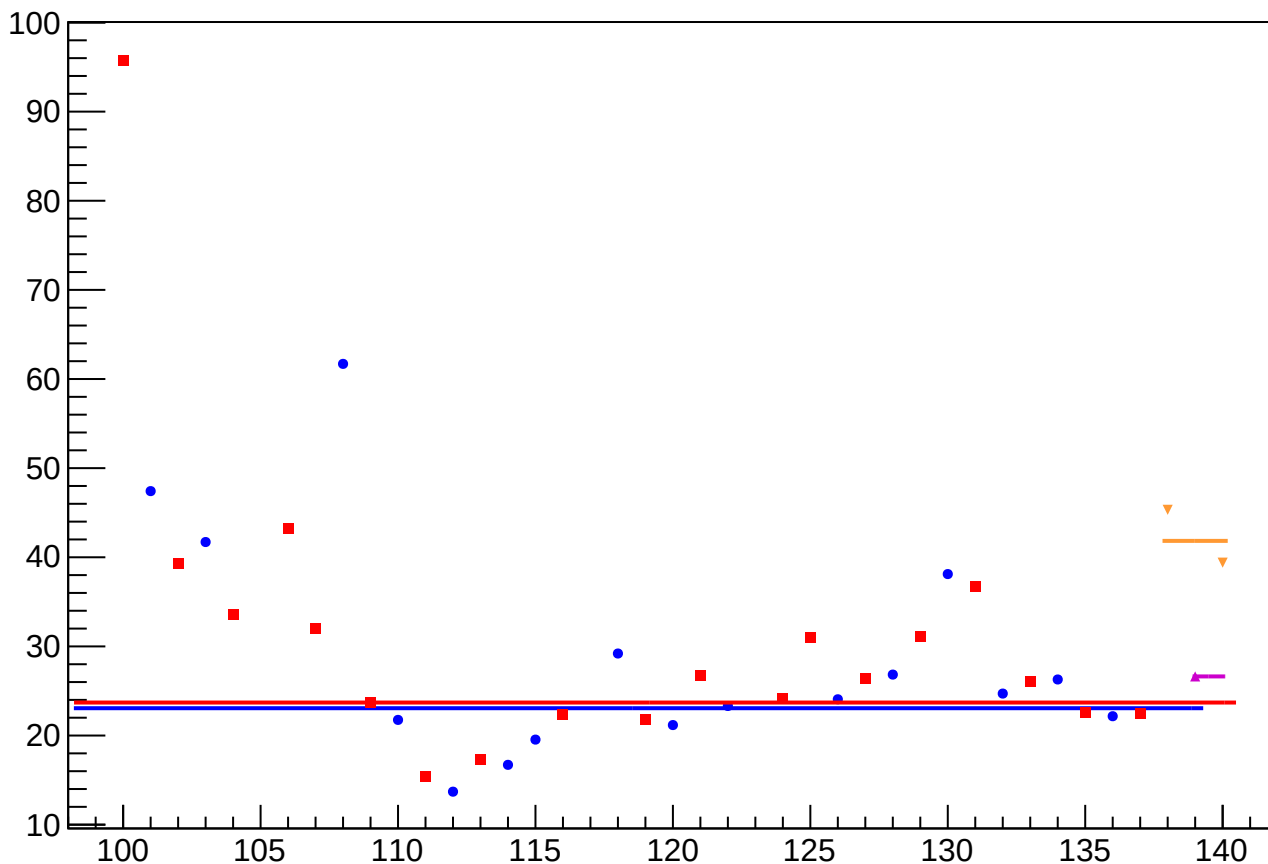
Left In: 0.047 ± 0.030 χ^2/NDF : 0.0/0

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.011 ± 0.006 χ^2/NDF : 45.4/37

- sign 0.002 ± 0.009 χ^2/NDF : 24.6/19

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF : 1564478.6/15

Left Out: 41.839+/-0.025 χ^2/NDF : 13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF : 1088494.2/18

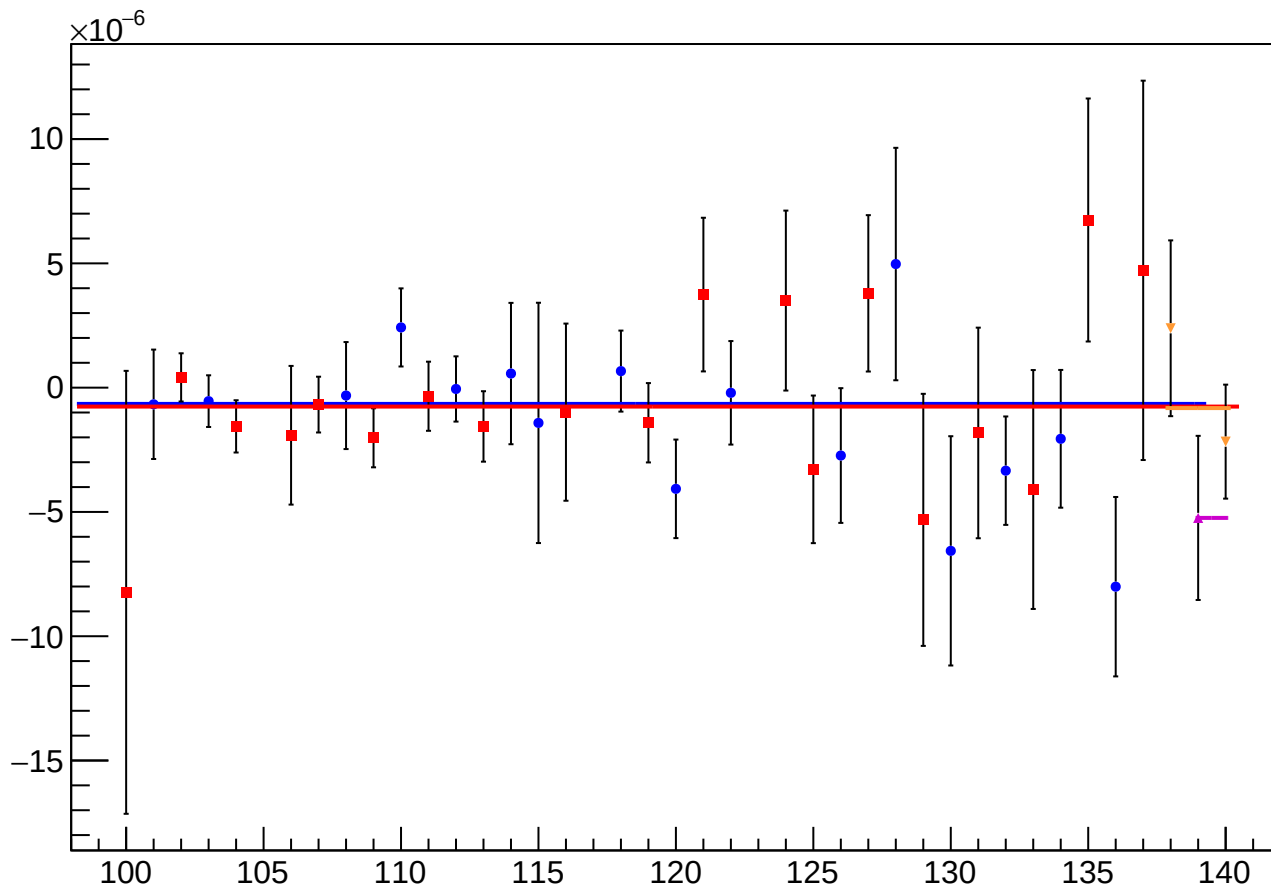
Left In: 26.632+/-0.021 χ^2/NDF : 0.0/0

+ sign 24.328+/-0.006 χ^2/NDF : 2115685.6/17

All: 24.140+/-0.004 χ^2/NDF : 3223331.9/37

- sign 23.960+/-0.006 χ^2/NDF : 1105957.3/19

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 17.6/15

Left Out: -0.000+/-0.000 χ^2 /NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 15.2/18

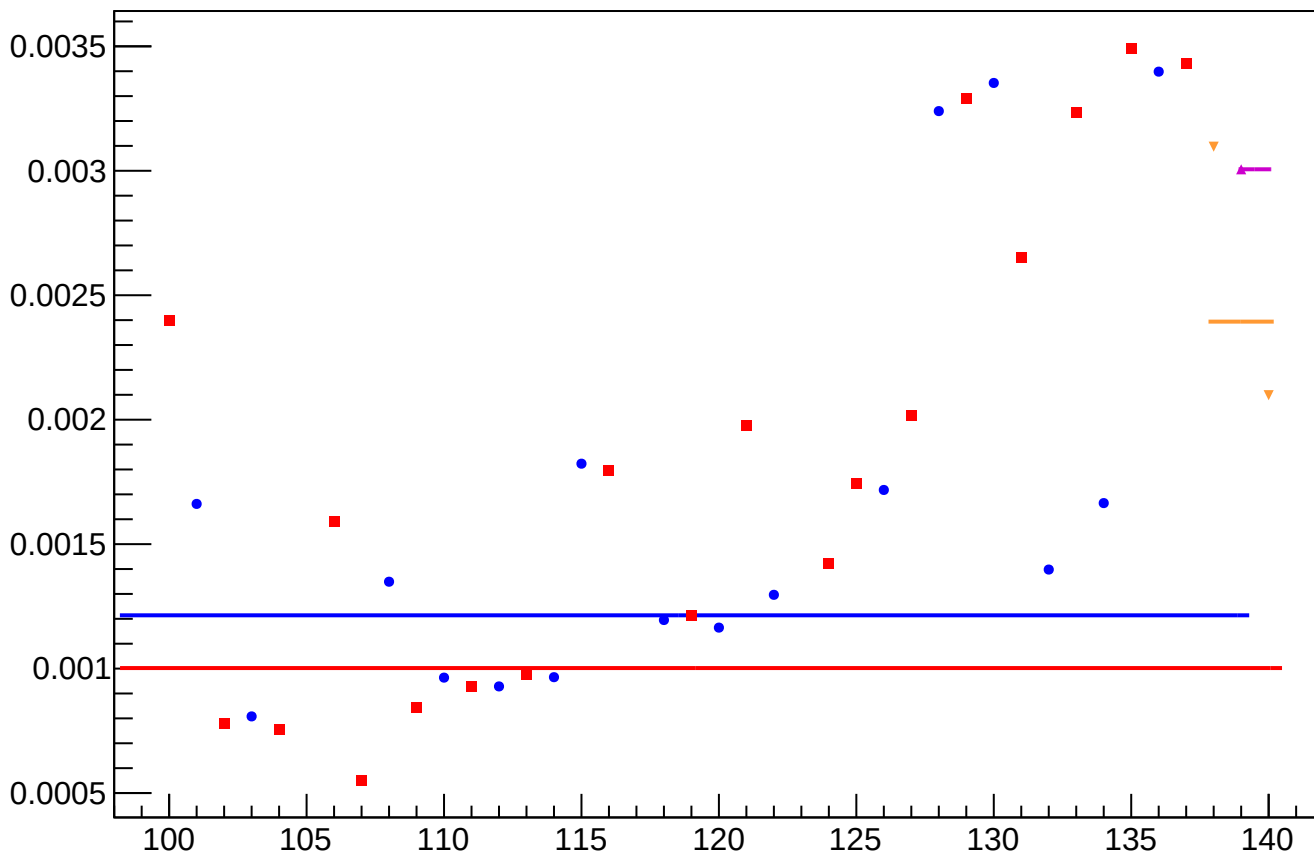
Left In: -0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 18.7/17

All: -0.000+/-0.000 χ^2 /NDF: 35.8/37

- sign -0.000+/-0.000 χ^2 /NDF: 17.0/19

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2267402.2/15

Left Out: 0.002+/-0.000 χ^2/NDF : 112242.4/1

Right Out: 0.001+/-0.000 χ^2/NDF : 3277225.7/18

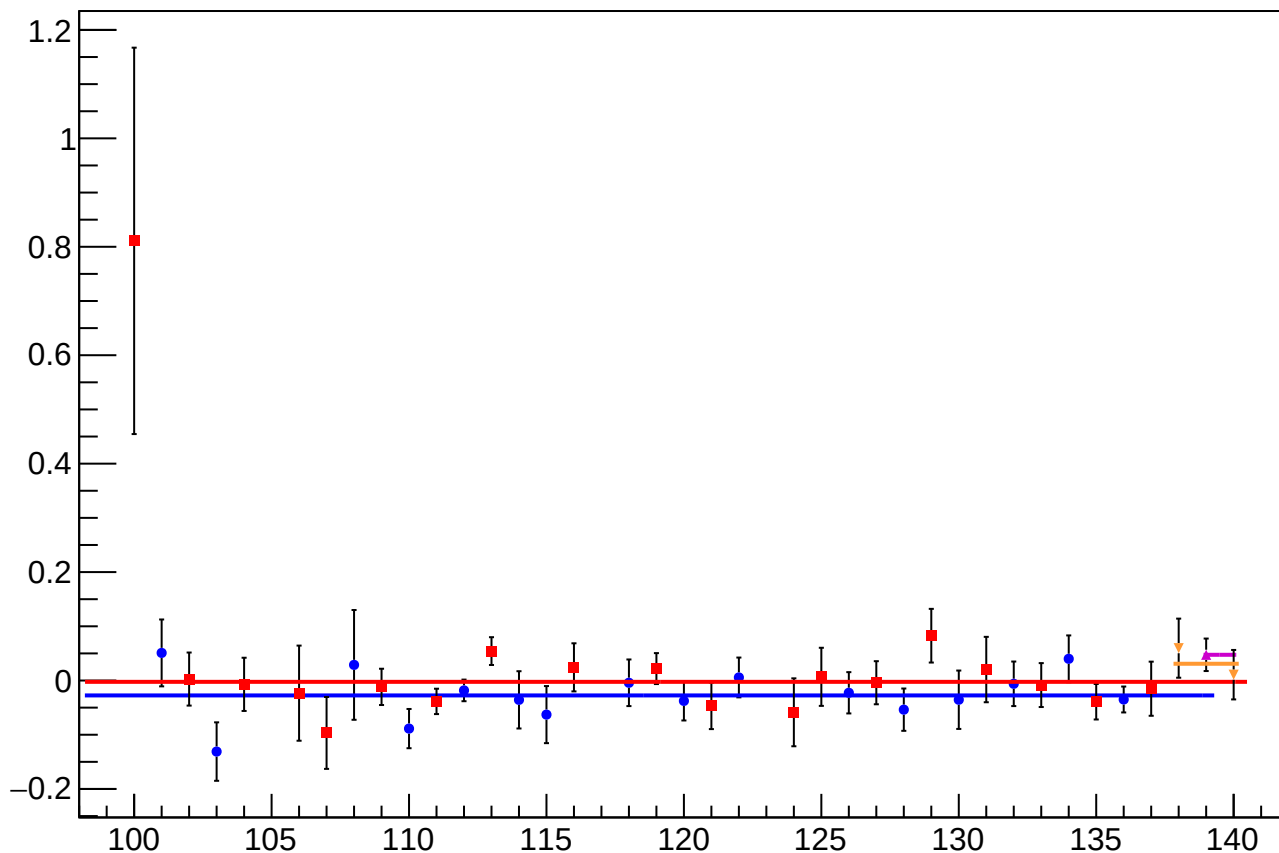
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 3084377.5/17

All: 0.001+/-0.000 χ^2/NDF : 7405639.4/37

- sign 0.001+/-0.000 χ^2/NDF : 4002321.1/19

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027 ± 0.009 χ^2/NDF : 13.7/15

Left Out: 0.031 ± 0.035 χ^2/NDF : 0.5/1

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

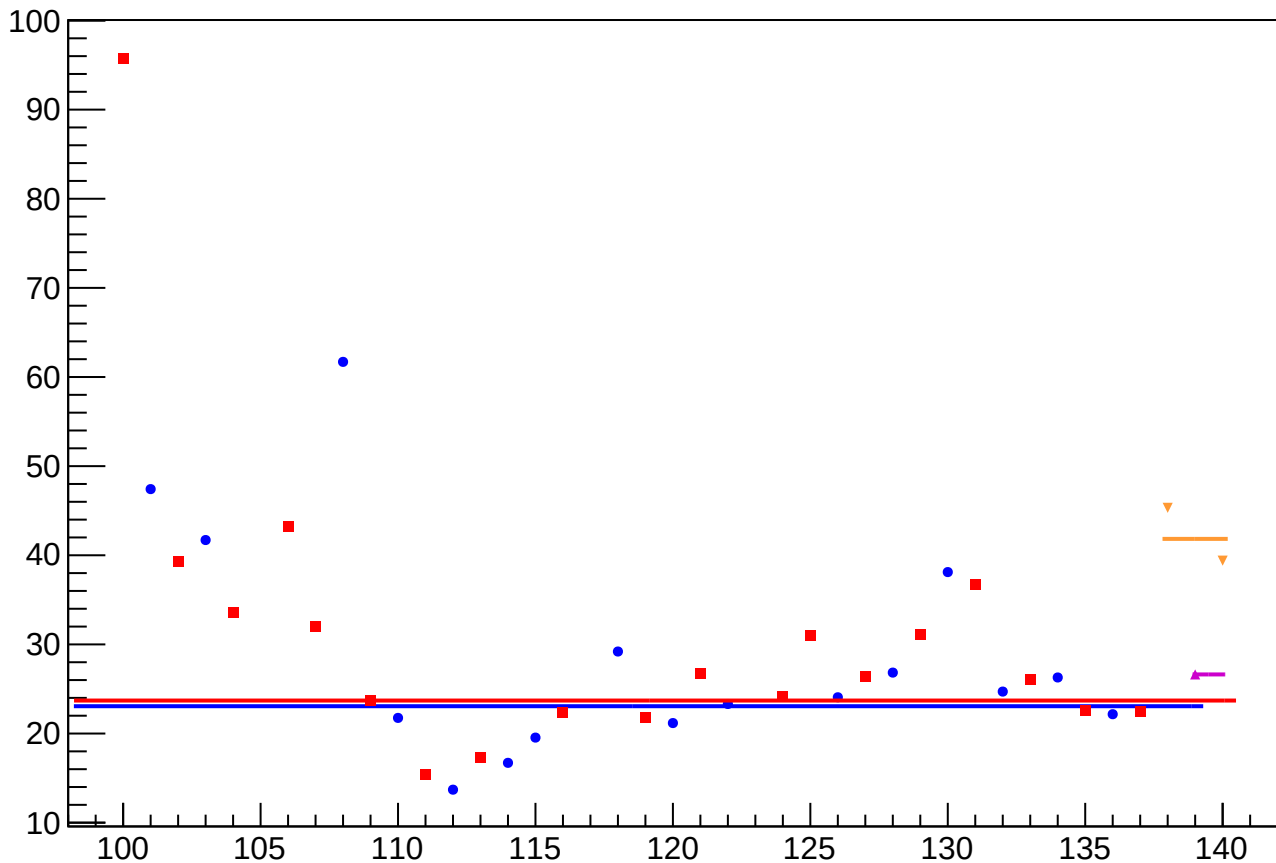
Left In: 0.047 ± 0.030 χ^2/NDF : 0.0/0

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.011 ± 0.006 χ^2/NDF : 45.4/37

- sign 0.002 ± 0.009 χ^2/NDF : 24.6/19

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.065 $\pm$ 0.007 χ^2 /NDF: 1564493.0/15

Left Out: 41.839 $\pm$ 0.025 χ^2 /NDF:13915.3/1

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088531.8/18

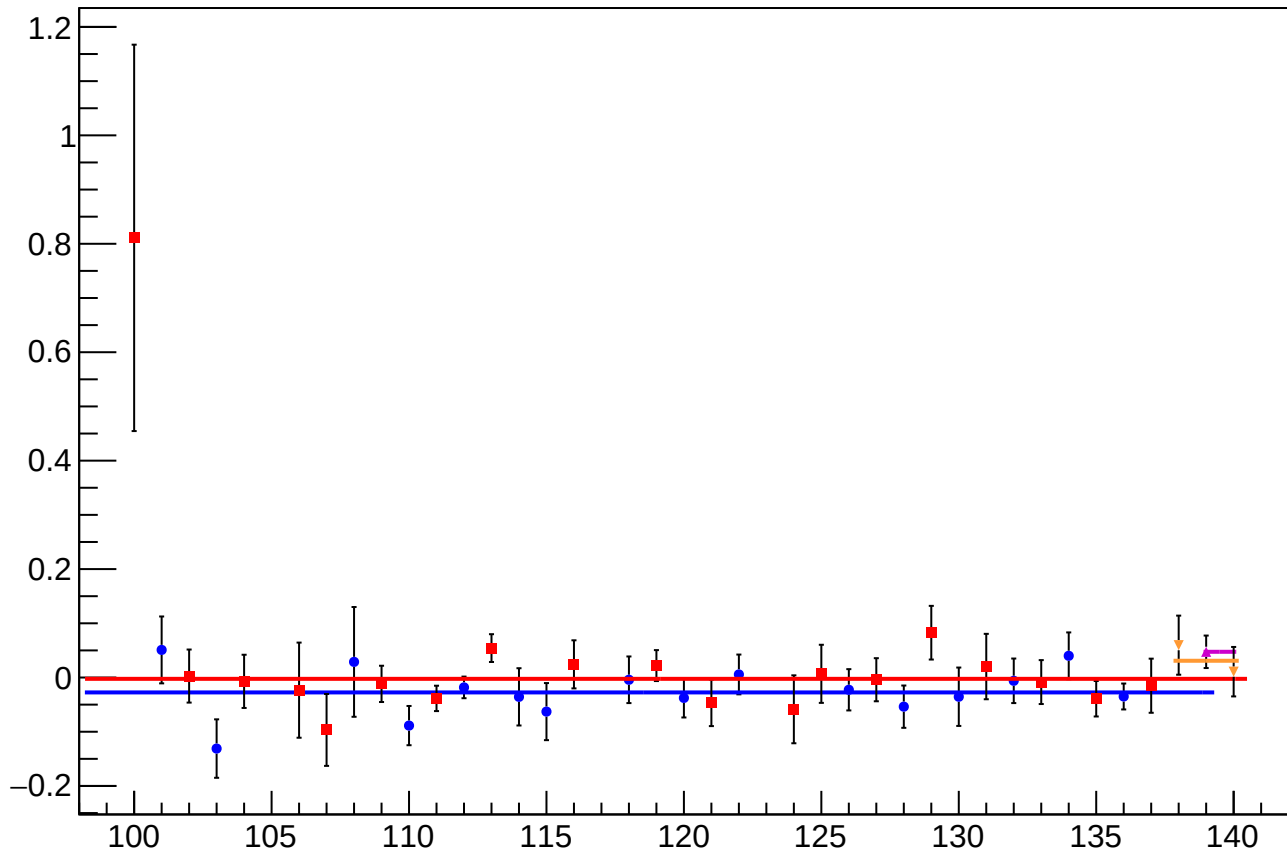
Left In: 26.631 $\pm$ 0.021 χ^2 /NDF:0.0/0

+ sign 24.328 $\pm$ 0.006 χ^2 /NDF: 2115693.9/17

All: 24.140 $\pm$ 0.004 χ^2 /NDF: 3223371.7/37

- sign 23.959 $\pm$ 0.006 χ^2 /NDF: 1105988.1/19

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027 ± 0.009 χ^2/NDF : 13.7/15

Left Out: 0.031 ± 0.035 χ^2/NDF : 0.5/1

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

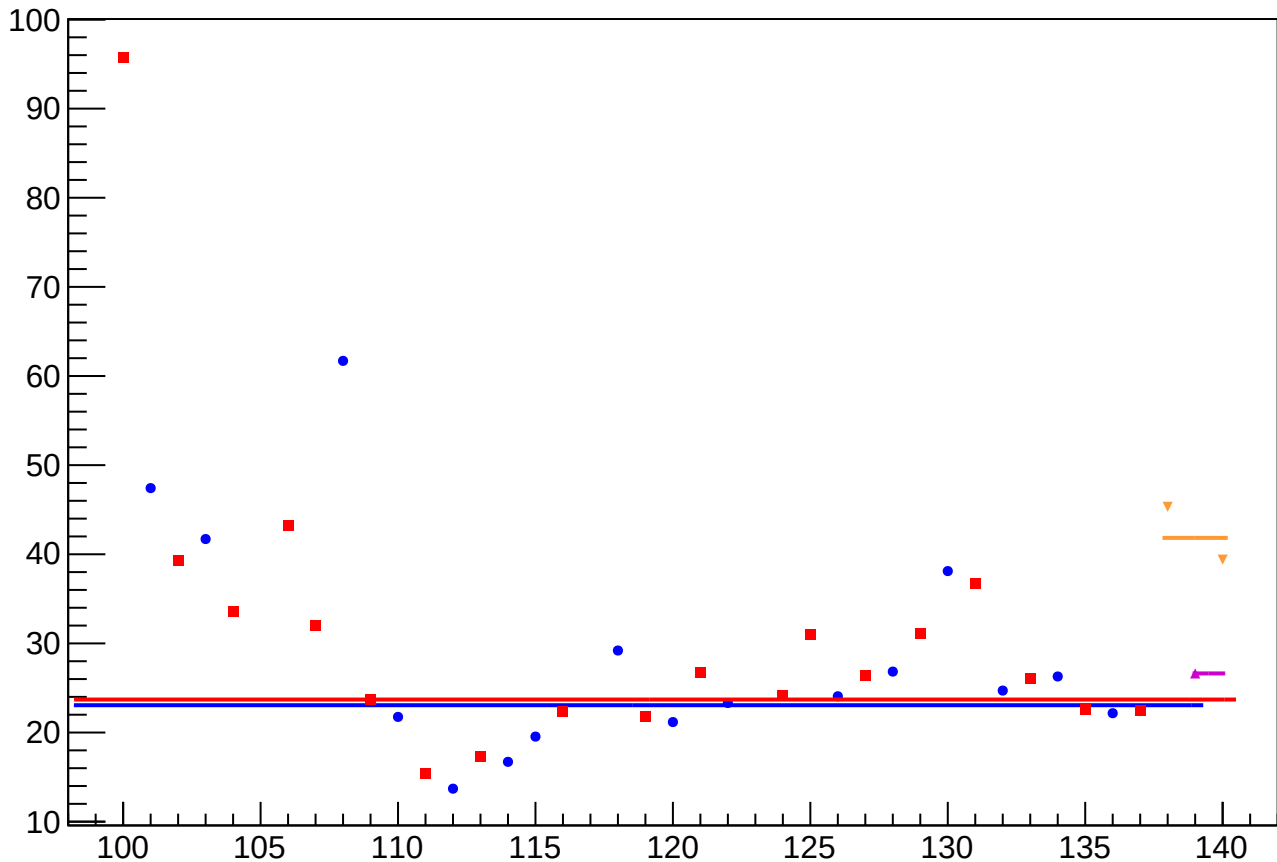
Left In: 0.047 ± 0.030 χ^2/NDF : 0.0/0

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.011 ± 0.006 χ^2/NDF : 45.4/37

- sign 0.002 ± 0.009 χ^2/NDF : 24.6/19

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.065+/-0.007 χ^2/NDF : 1564493.0/15

Left Out: 41.839+/-0.025 χ^2/NDF :13915.3/1

Right Out: 23.702+/-0.007 χ^2/NDF : 1088531.8/18

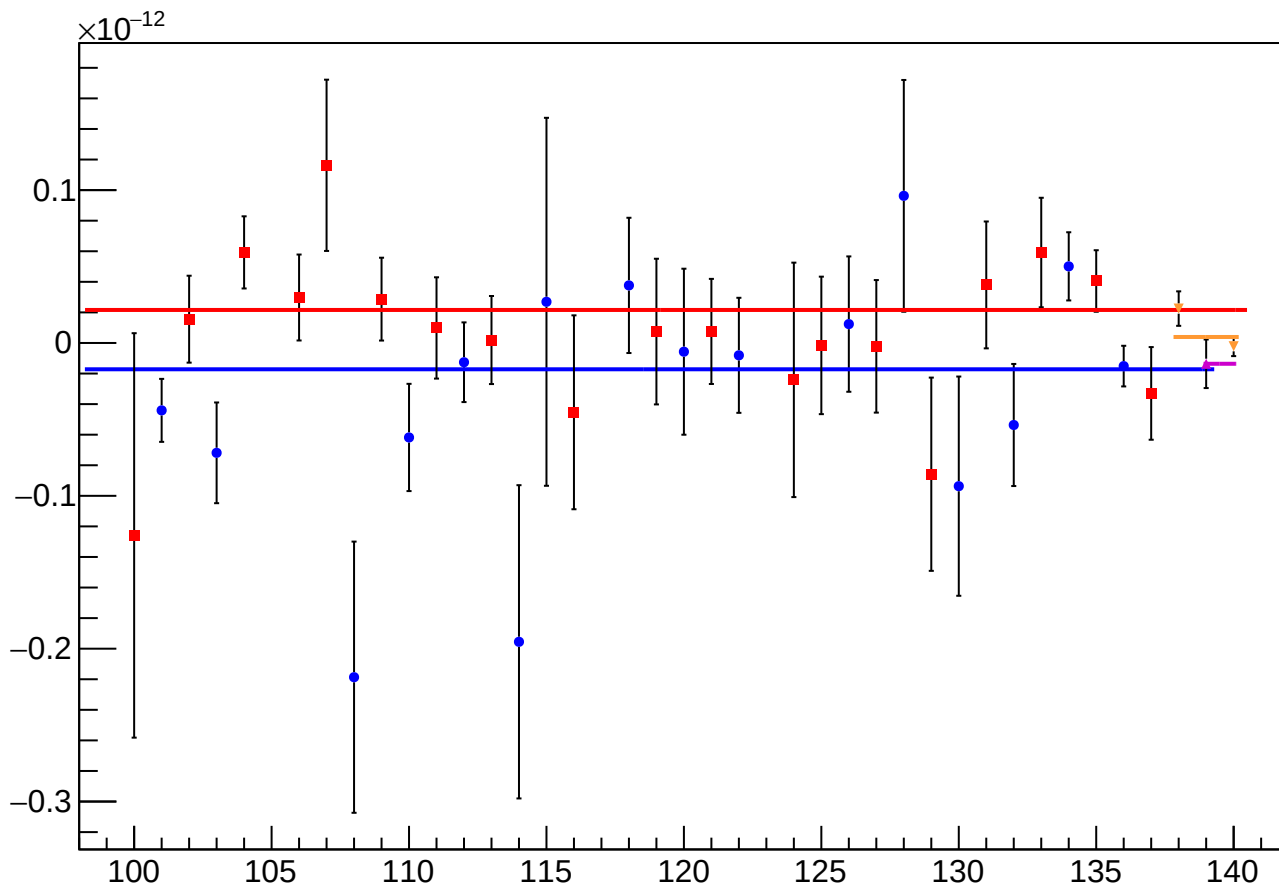
Left In: 26.631+/-0.021 χ^2/NDF :0.0/0

+ sign 24.328+/-0.006 χ^2/NDF : 2115693.9/17

All: 24.140+/-0.004 χ^2/NDF : 3223371.7/37

- sign 23.959+/-0.006 χ^2/NDF : 1105988.1/19

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 29.9/15

Left Out: 0.000+/-0.000 χ^2 /NDF: 3.6/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 18.0/18

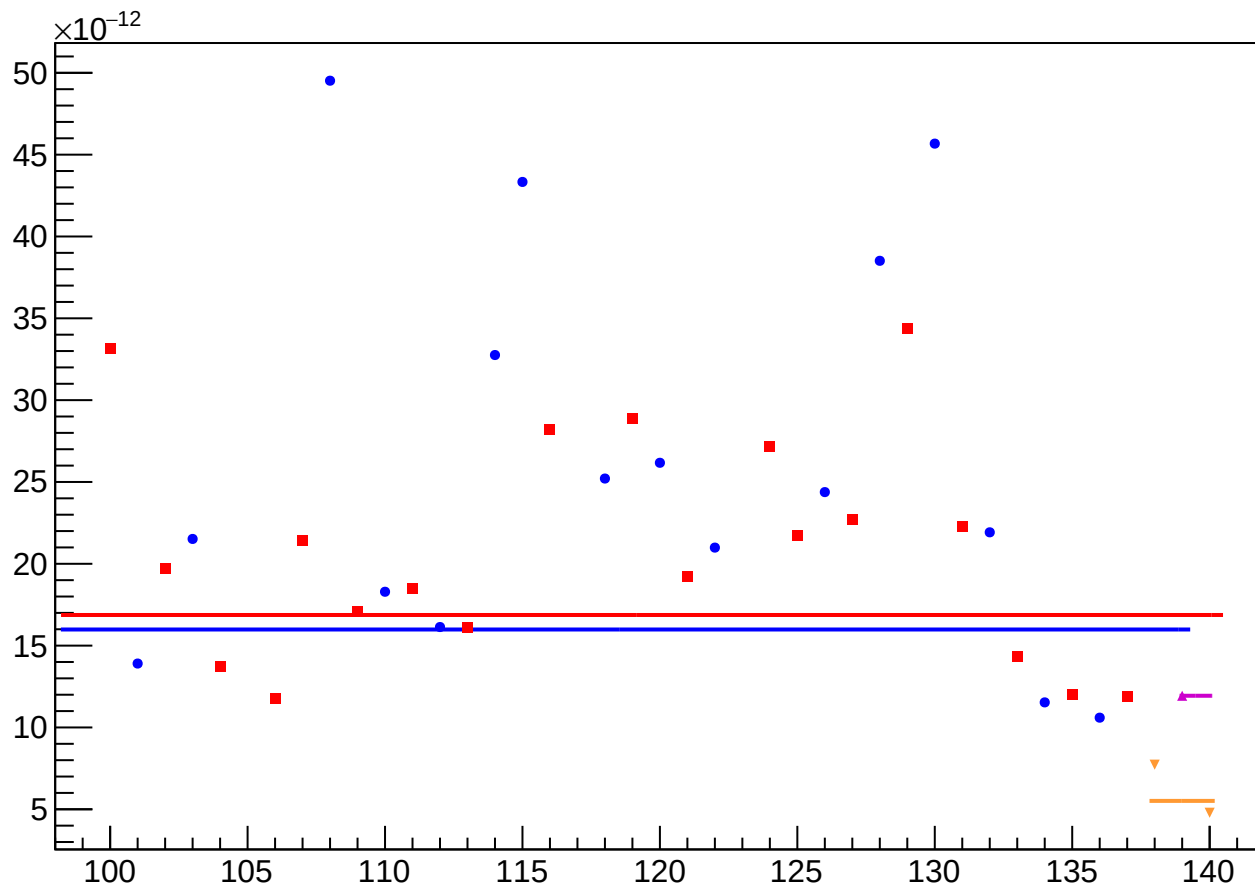
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 38.3/17

All: 0.000+/-0.000 χ^2 /NDF: 64.8/37

- sign 0.000+/-0.000 χ^2 /NDF: 21.9/19

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 102182.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 835680.3/18

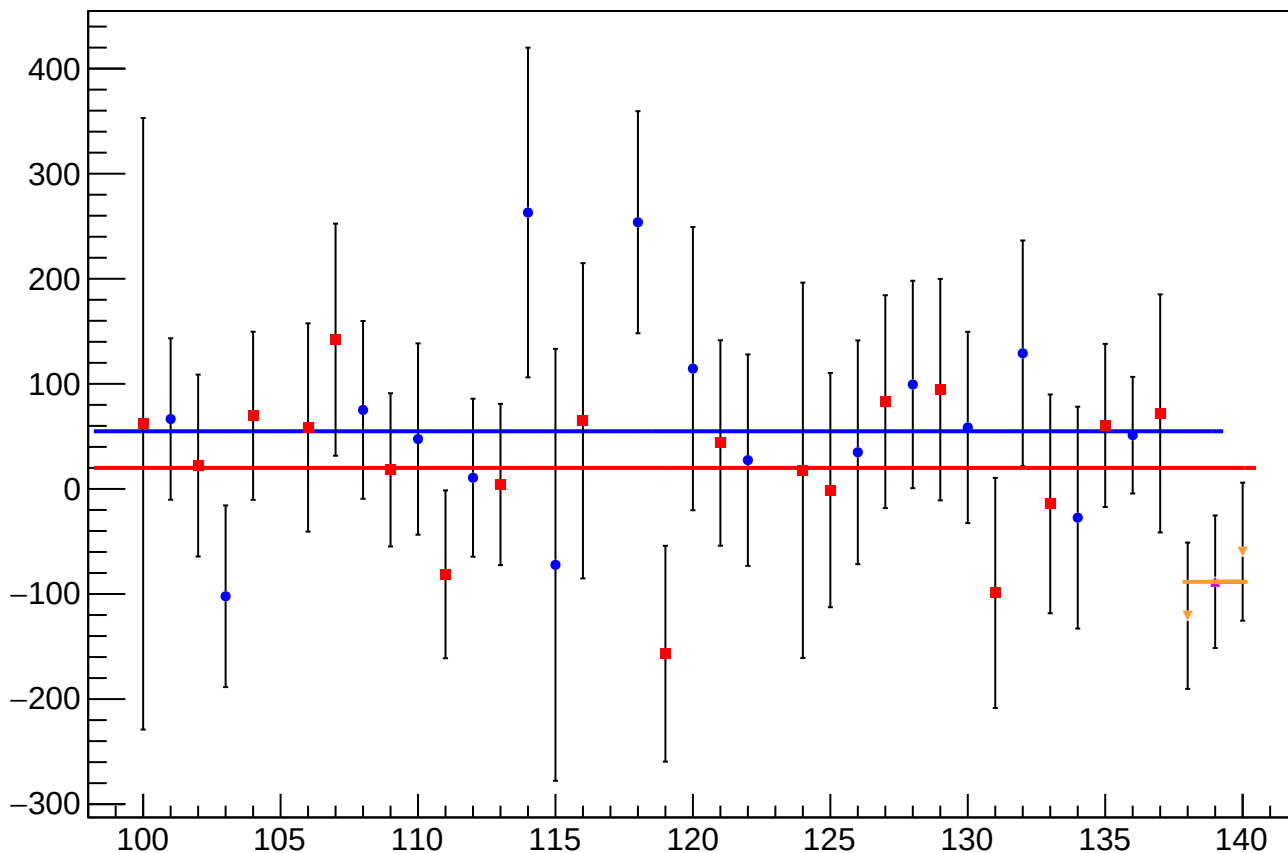
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4261239.9/17

All: 0.000+/-0.000 χ^2/NDF : 6563078.0/37

- sign 0.000+/-0.000 χ^2/NDF : 990448.4/19

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883 $\pm$ 23.179 χ^2 /NDF: 11.0/15

Left Out: -88.435 $\pm$ 47.774 χ^2 /NDF: 0.4/1

Right Out: 20.020 $\pm$ 22.571 χ^2 /NDF: 9.2/18

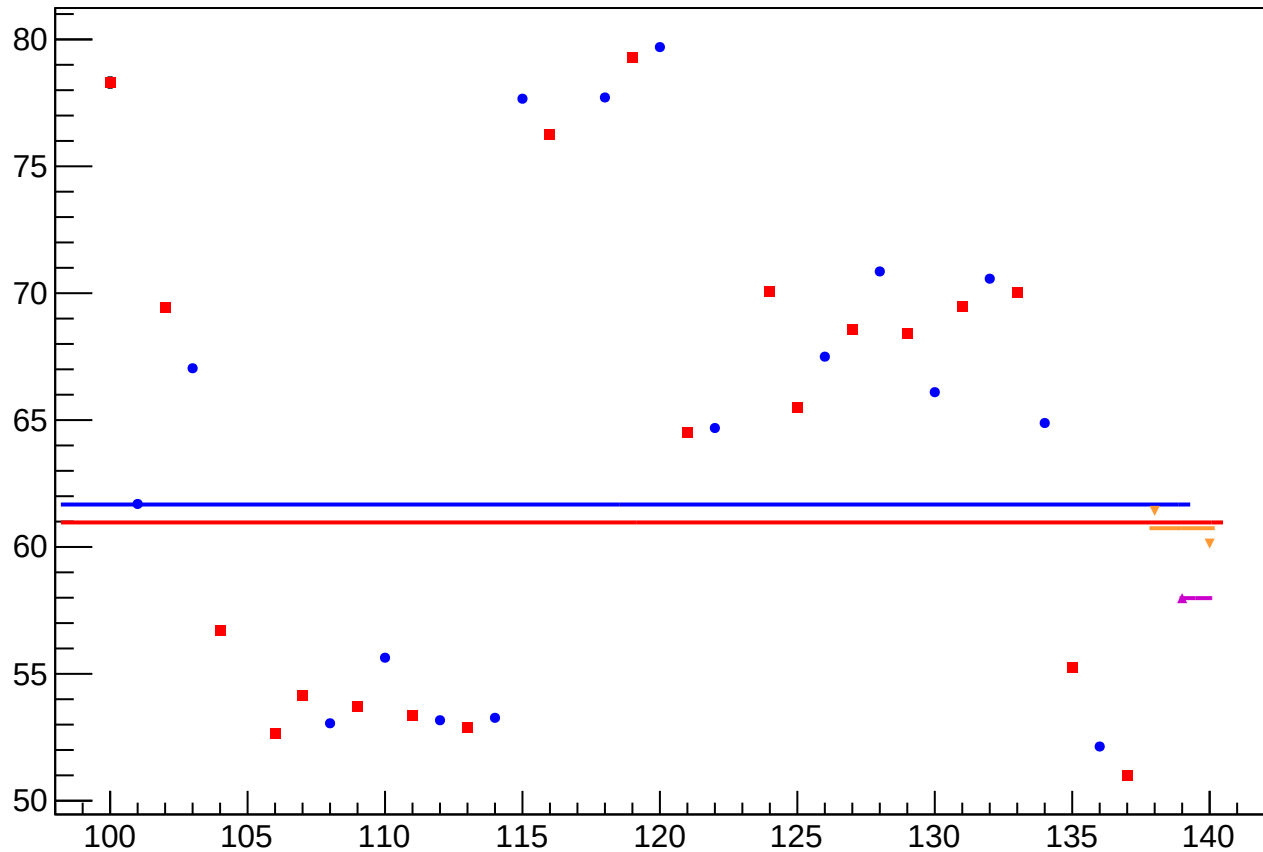
Left In: -88.336 $\pm$ 63.066 χ^2 /NDF: 0.0/0

+ sign 27.575 $\pm$ 20.854 χ^2 /NDF: 18.7/17

All: 17.833 $\pm$ 14.884 χ^2 /NDF: 31.0/37

- sign 7.716 $\pm$ 21.251 χ^2 /NDF: 11.9/19

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 ± 0.016 $\chi^2/\text{NDF}: 267108.1/15$

Left Out: 60.739 ± 0.034 $\chi^2/\text{NDF}: 363.6/1$

Right Out: 60.967 ± 0.016 $\chi^2/\text{NDF}: 284183.4/18$

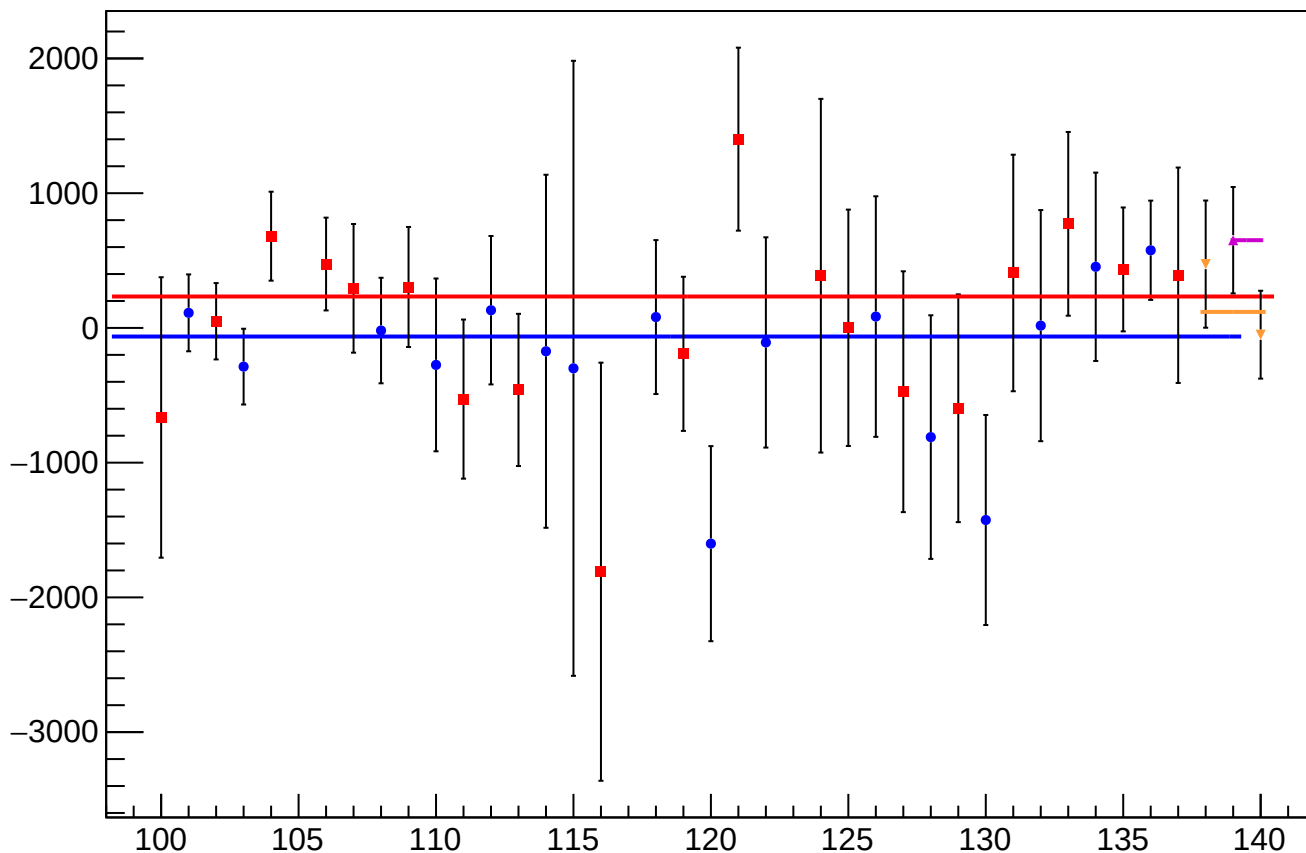
Left In: 57.984 ± 0.045 $\chi^2/\text{NDF}: 0.0/0$

+ sign 61.495 ± 0.015 $\chi^2/\text{NDF}: 268090.3/17$

All: 61.070 ± 0.011 $\chi^2/\text{NDF}: 557934.0/37$

- sign 60.628 ± 0.015 $\chi^2/\text{NDF}: 288147.5/19$

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834 ± 129.674 χ^2/NDF : 13.2/15

Left Out: 119.020 ± 268.305 χ^2/NDF : 0.8/1

Right Out: 233.206 ± 122.791 χ^2/NDF : 14.5/18

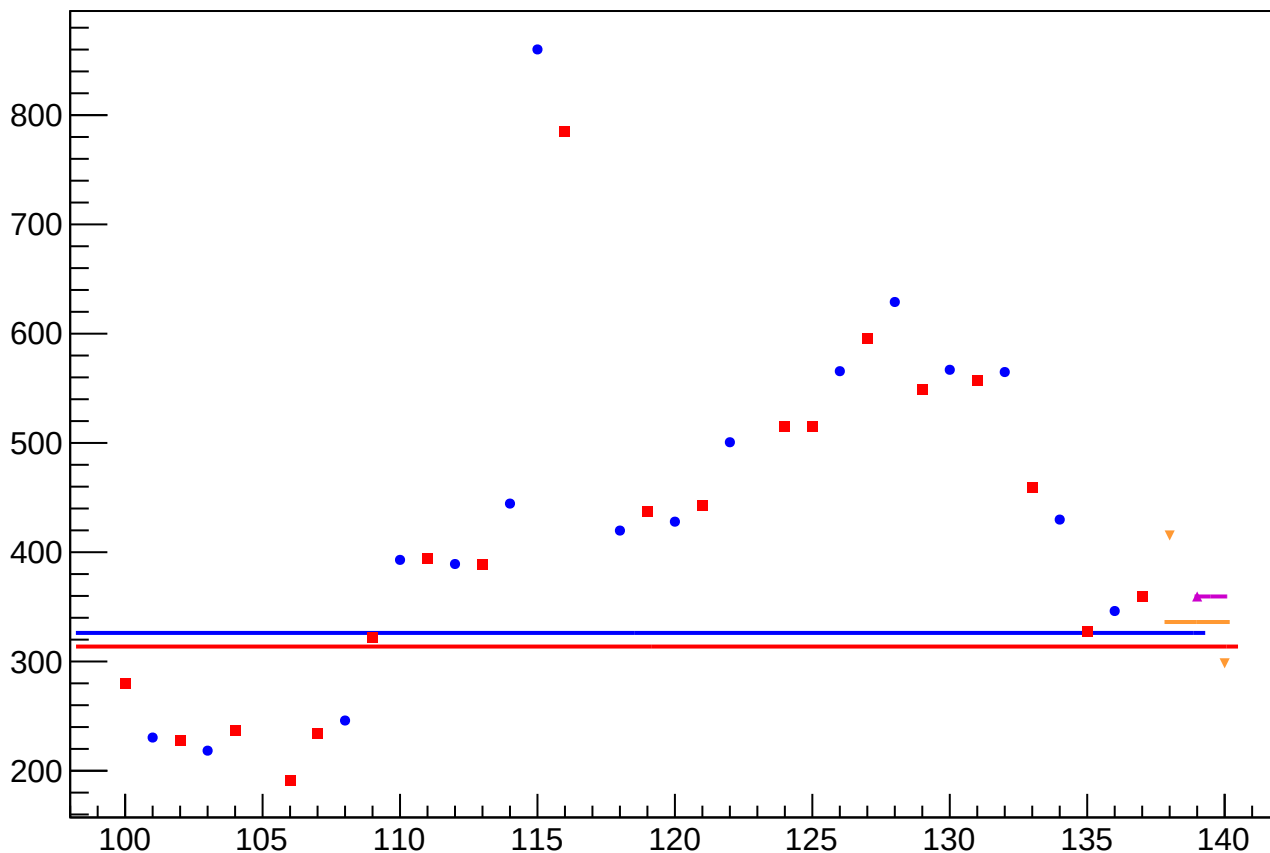
Left In: 651.109 ± 394.720 χ^2/NDF : 0.0/0

+ sign -29.210 ± 116.753 χ^2/NDF : 14.4/17

All: 119.801 ± 82.732 χ^2/NDF : 33.2/37

- sign 270.080 ± 117.249 χ^2/NDF : 15.5/19

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF : 1733995.5/15

Left Out: 336.135+/-0.190 χ^2/NDF : 83194.4/1

Right Out: 313.672+/-0.087 χ^2/NDF : 1787347.3/18

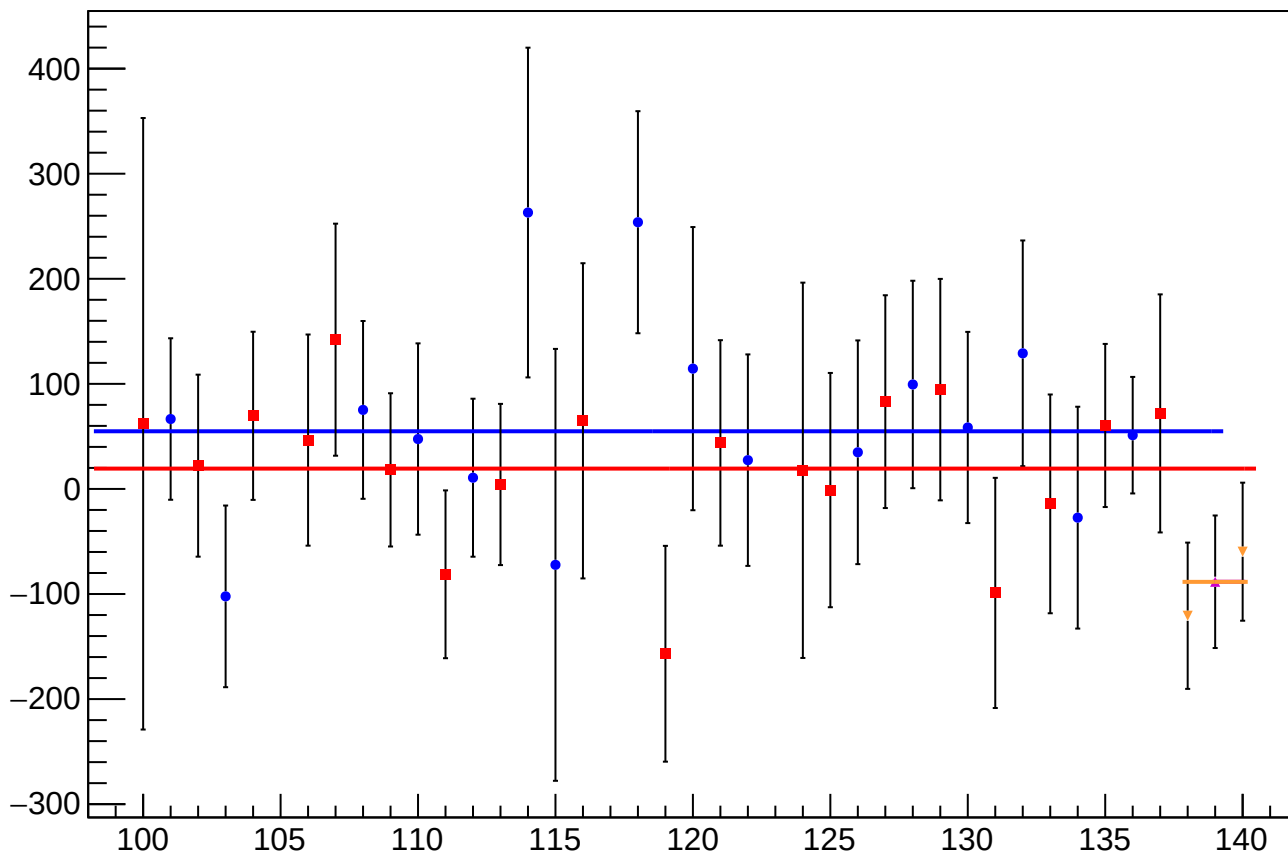
Left In: 359.499+/-0.279 χ^2/NDF : 0.0/0

+ sign 328.039+/-0.083 χ^2/NDF : 1819436.4/17

All: 322.899+/-0.059 χ^2/NDF : 3639148.3/37

- sign 317.716+/-0.083 χ^2/NDF : 1811927.4/19

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877 $\pm$ 23.179 χ^2/NDF : 11.0/15

Left Out: -88.442 $\pm$ 47.774 χ^2/NDF : 0.4/1

Right Out: 19.352 $\pm$ 22.588 χ^2/NDF : 9.2/18

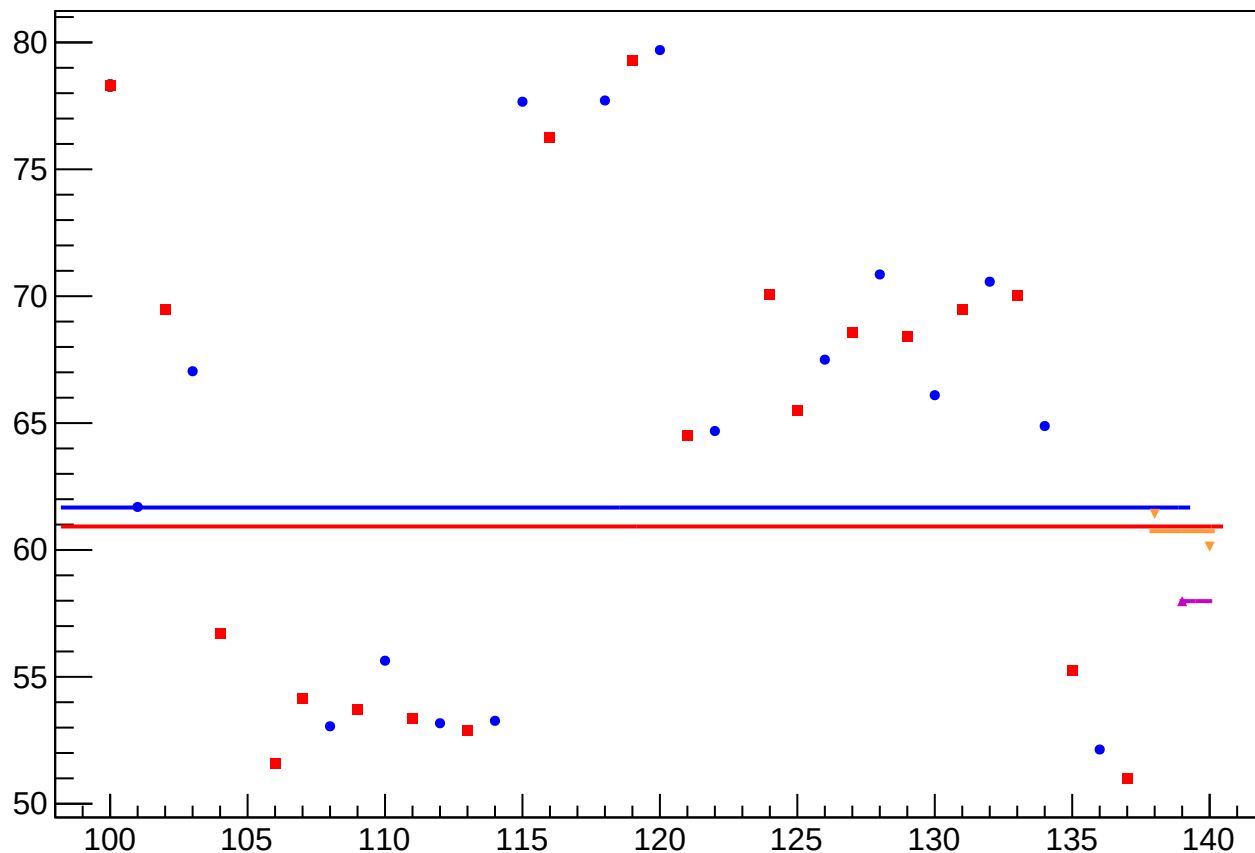
Left In: -88.337 $\pm$ 63.066 χ^2/NDF : 0.0/0

+ sign 27.569 $\pm$ 20.854 χ^2/NDF : 18.7/17

All: 17.538 $\pm$ 14.889 χ^2/NDF : 30.9/37

- sign 7.109 $\pm$ 21.265 χ^2/NDF : 11.7/19

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2 /NDF: 267108.3/15

Left Out: 60.739 $\pm$ 0.034 χ^2 /NDF: 363.6/1

Right Out: 60.926 $\pm$ 0.016 χ^2 /NDF: 287579.6/18

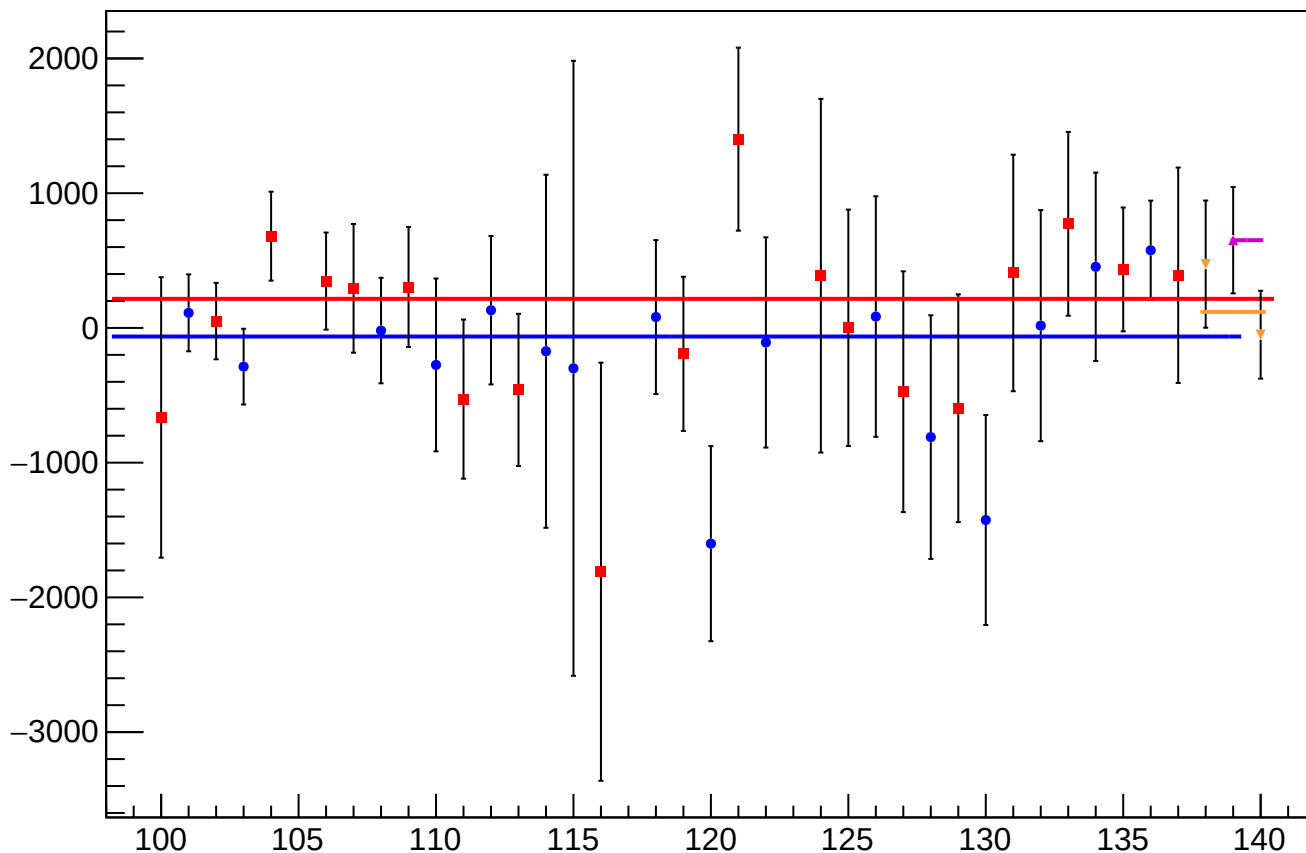
Left In: 57.984 $\pm$ 0.045 χ^2 /NDF: 0.0/0

+ sign 61.495 $\pm$ 0.015 χ^2 /NDF: 268090.5/17

All: 61.052 $\pm$ 0.011 χ^2 /NDF: 561367.1/37

- sign 60.591 $\pm$ 0.015 χ^2 /NDF: 291435.4/19

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: -63.820 ± 129.675 χ^2/NDF : 13.2/15

Left Out: 119.008 ± 268.305 χ^2/NDF : 0.8/1

Right Out: 215.911 ± 123.491 χ^2/NDF : 14.1/18

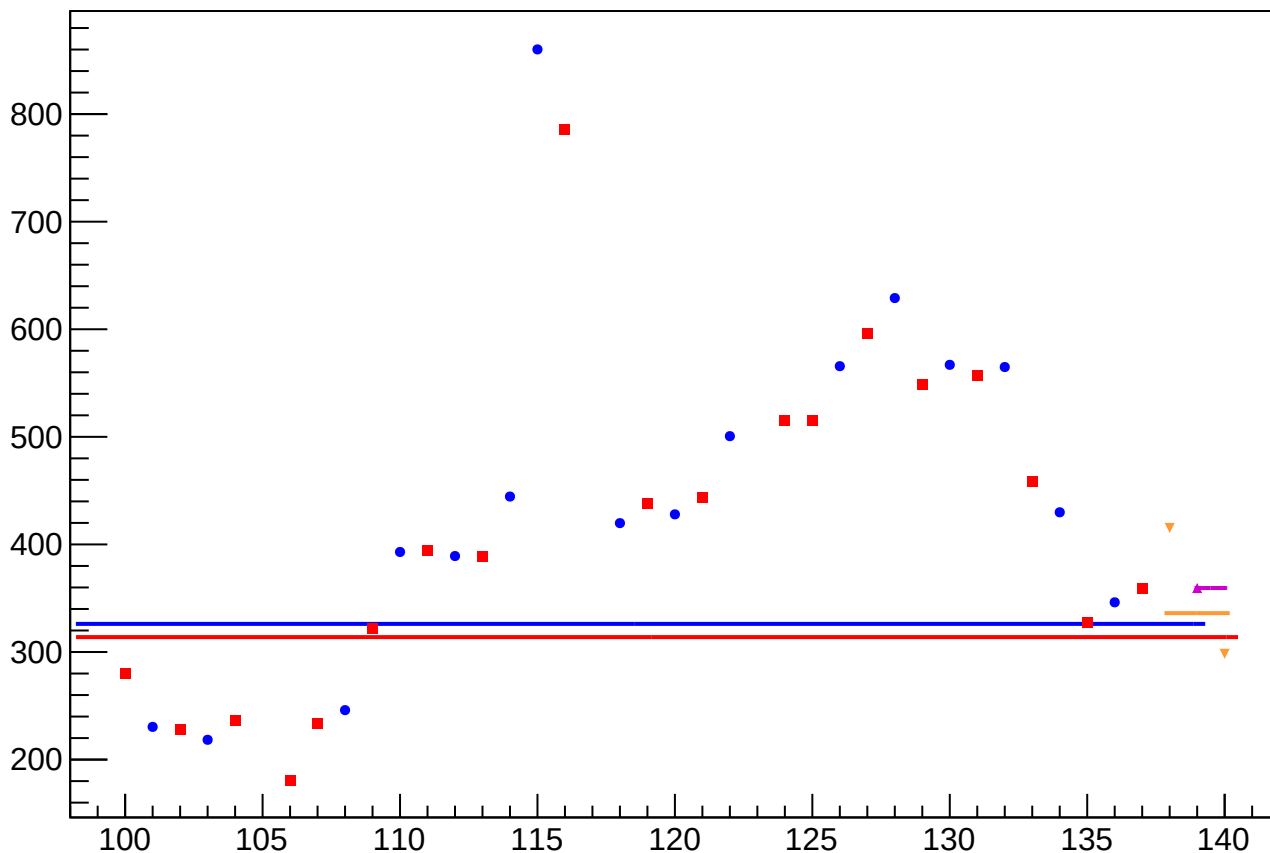
Left In: 651.102 ± 394.720 χ^2/NDF : 0.0/0

+ sign -29.200 ± 116.754 χ^2/NDF : 14.4/17

All: 111.419 ± 82.945 χ^2/NDF : 32.5/37

- sign 254.710 ± 117.858 χ^2/NDF : 15.2/19

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF : 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF : 83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF : 1805779.4/18

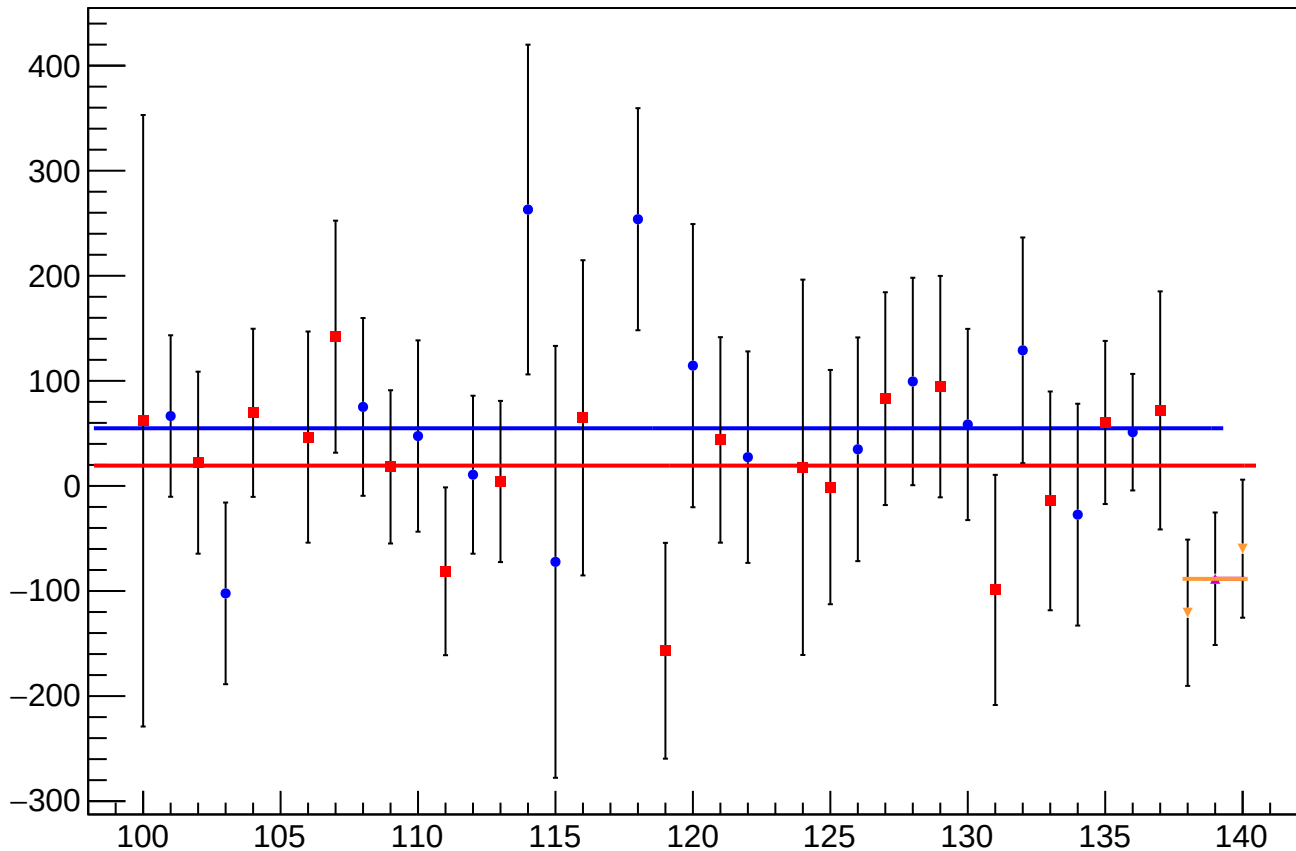
Left In: 359.499+/-0.279 χ^2/NDF : 0.0/0

+ sign 328.041+/-0.083 χ^2/NDF : 1819374.5/17

All: 323.033+/-0.059 χ^2/NDF : 3656936.4/37

- sign 317.930+/-0.083 χ^2/NDF : 1830132.5/19

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877 $\pm$ 23.179 χ^2 /NDF: 11.0/15

Left Out: -88.442 $\pm$ 47.774 χ^2 /NDF: 0.4/1

Right Out: 19.352 $\pm$ 22.588 χ^2 /NDF: 9.2/18

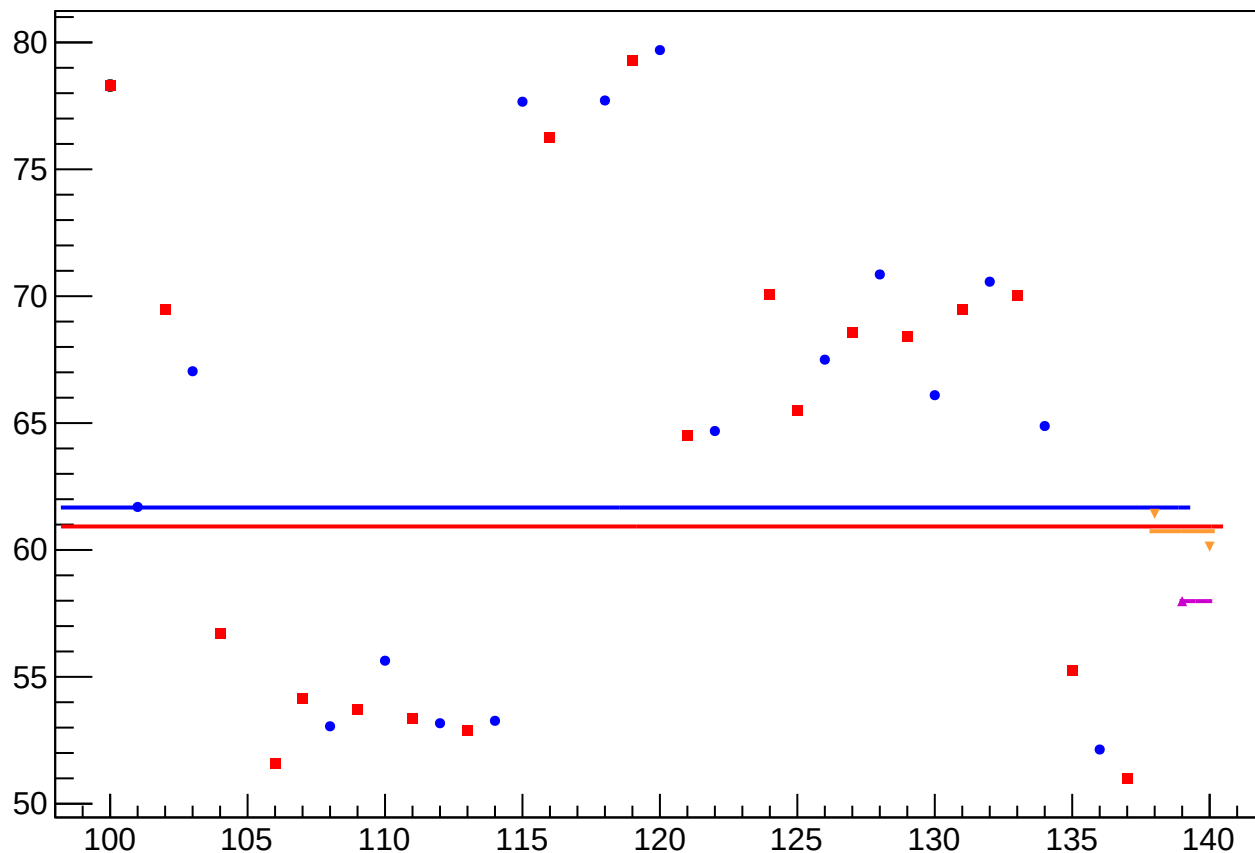
Left In: -88.337 $\pm$ 63.066 χ^2 /NDF: 0.0/0

+ sign 27.569 $\pm$ 20.854 χ^2 /NDF: 18.7/17

All: 17.538 $\pm$ 14.889 χ^2 /NDF: 30.9/37

- sign 7.109 $\pm$ 21.265 χ^2 /NDF: 11.7/19

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF : 267108.3/15

Left Out: 60.739+/-0.034 χ^2/NDF : 363.6/1

Right Out: 60.926+/-0.016 χ^2/NDF : 287579.6/18

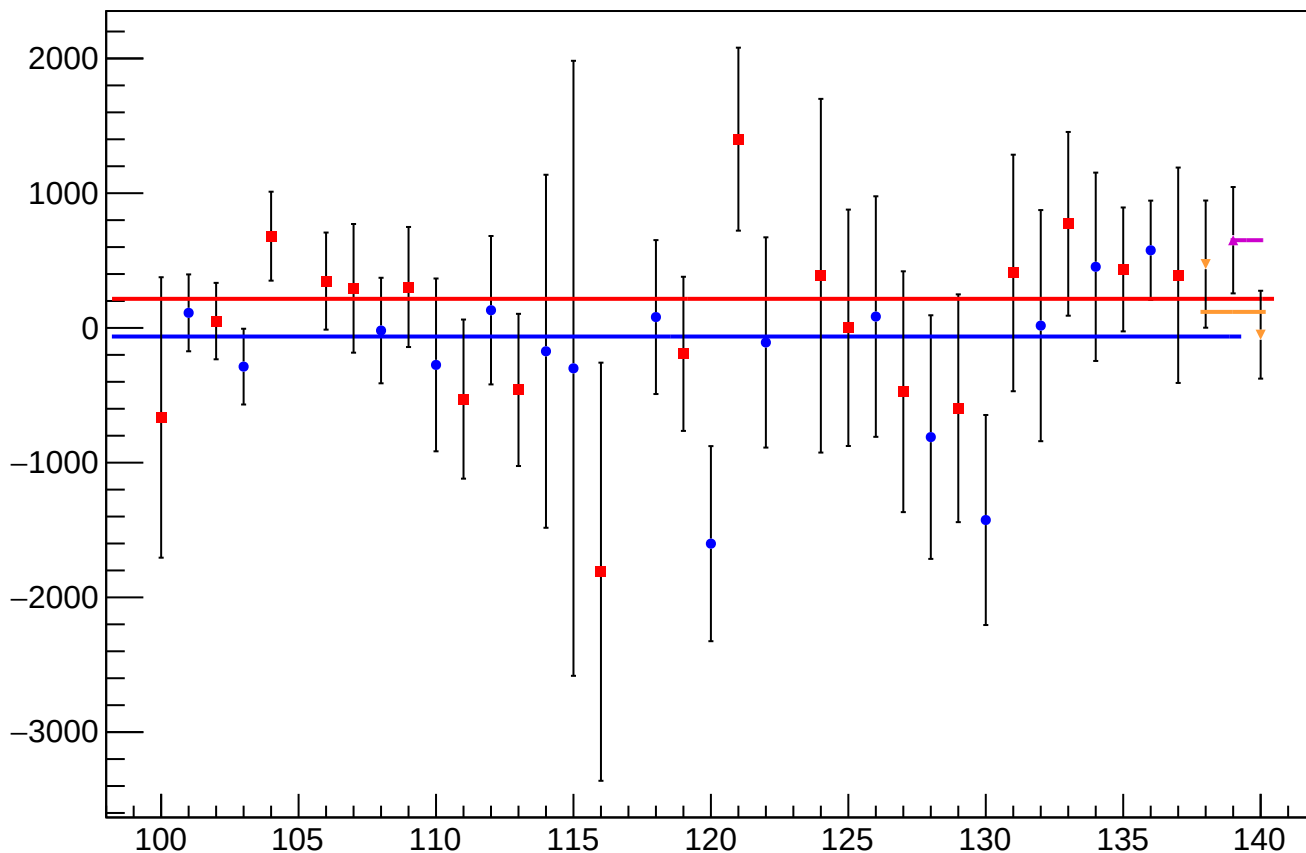
Left In: 57.984+/-0.045 χ^2/NDF : 0.0/0

+ sign 61.495+/-0.015 χ^2/NDF : 268090.5/17

All: 61.052+/-0.011 χ^2/NDF : 561367.1/37

- sign 60.591+/-0.015 χ^2/NDF : 291435.4/19

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug



Right In: -63.820 ± 129.675 χ^2/NDF : 13.2/15

Left Out: 119.008 ± 268.305 χ^2/NDF : 0.8/1

Right Out: 215.911 ± 123.491 χ^2/NDF : 14.1/18

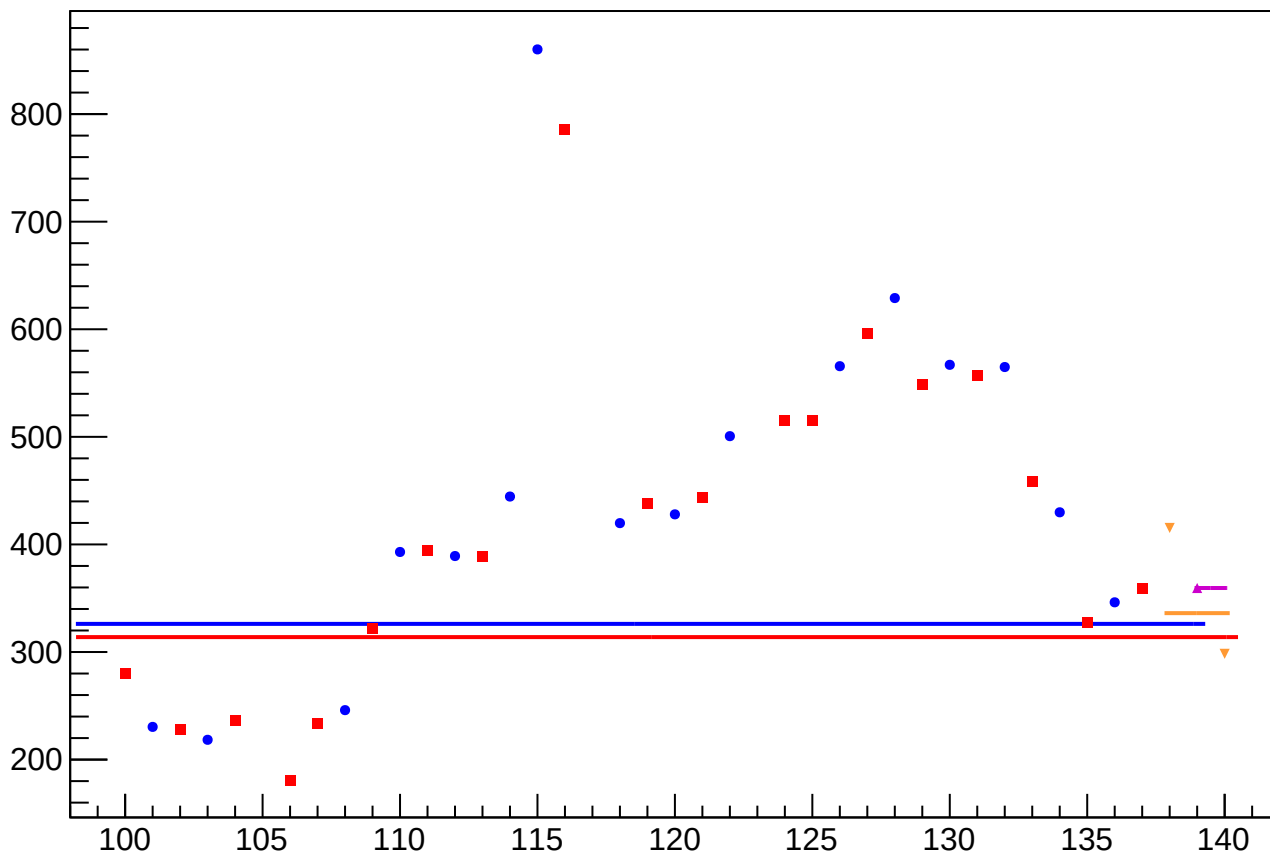
Left In: 651.102 ± 394.720 χ^2/NDF : 0.0/0

+ sign -29.200 ± 116.754 χ^2/NDF : 14.4/17

All: 111.419 ± 82.945 χ^2/NDF : 32.5/37

- sign 254.710 ± 117.858 χ^2/NDF : 15.2/19

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF : 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF : 83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF : 1805779.4/18

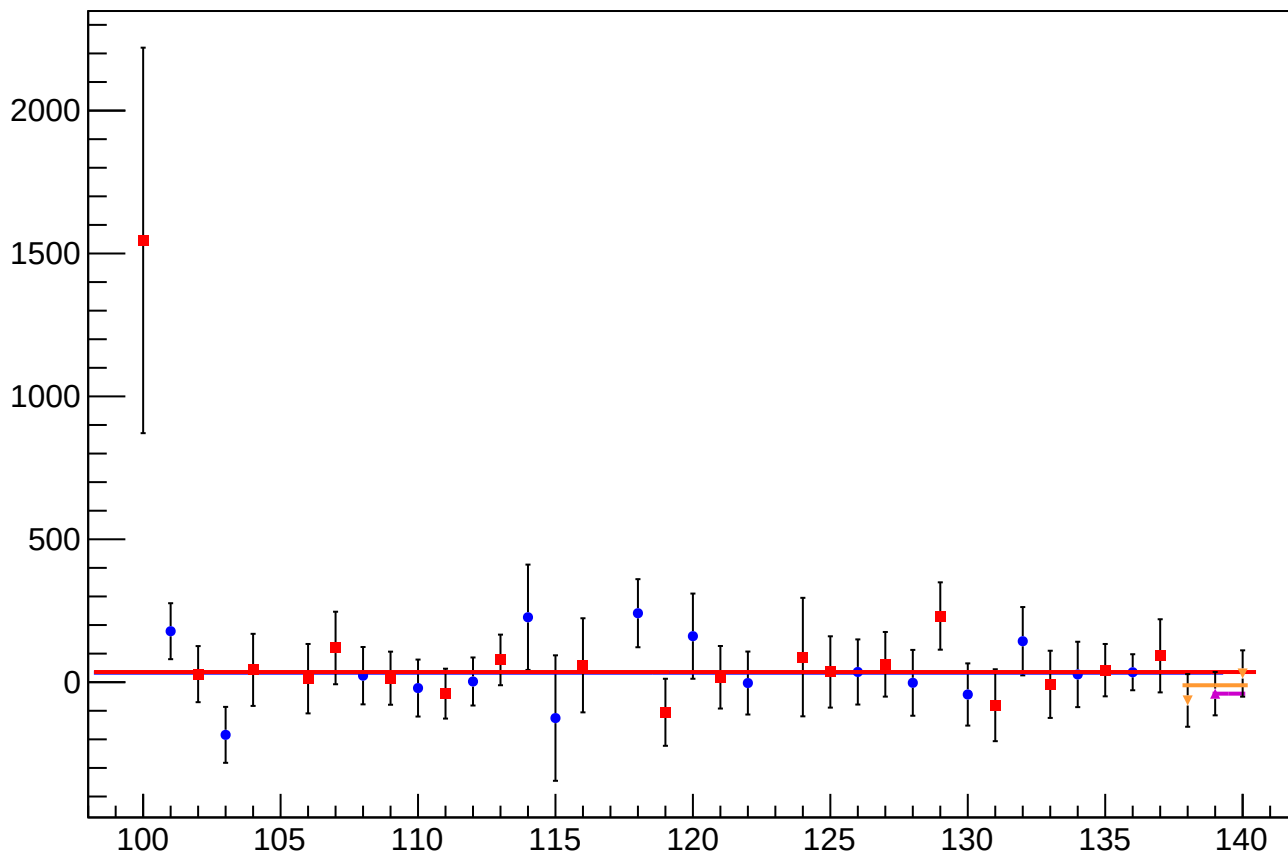
Left In: 359.499+/-0.279 χ^2/NDF : 0.0/0

+ sign 328.041+/-0.083 χ^2/NDF : 1819374.5/17

All: 323.033+/-0.059 χ^2/NDF : 3656936.4/37

- sign 317.930+/-0.083 χ^2/NDF : 1830132.5/19

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399 $\pm$ 26.415 χ^2 /NDF: 14.5/15

Left Out: -10.730 $\pm$ 60.867 χ^2 /NDF: 0.6/1

Right Out: 35.576 $\pm$ 26.536 χ^2 /NDF: 12.1/18

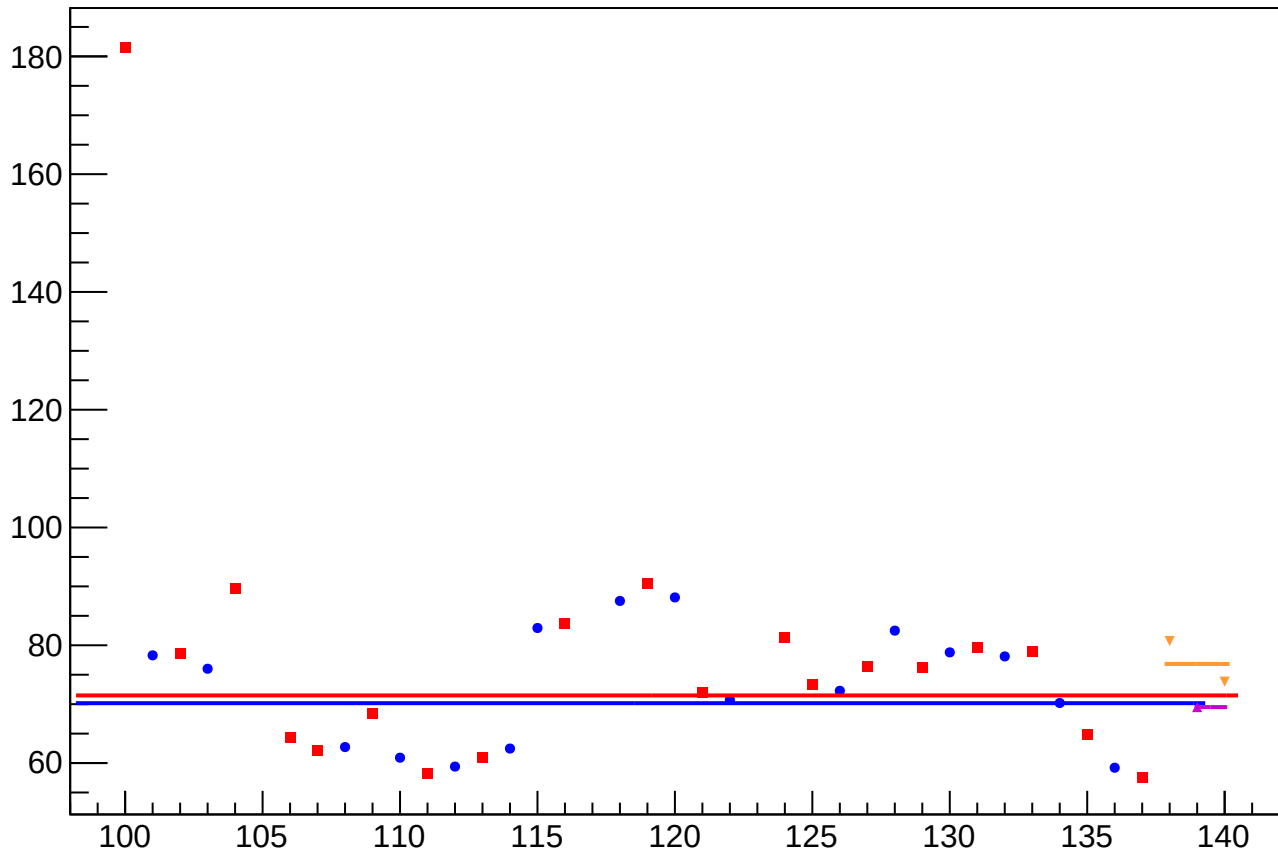
Left In: -40.111 $\pm$ 75.842 χ^2 /NDF: 0.0/0

+ sign 26.405 $\pm$ 24.231 χ^2 /NDF: 15.6/17

All: 26.848 $\pm$ 17.415 χ^2 /NDF: 28.6/37

- sign 27.321 $\pm$ 25.047 χ^2 /NDF: 13.0/19

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167 $\pm$ 0.019 χ^2 /NDF: 269249.9/15

Left Out: 76.829 $\pm$ 0.043 χ^2 /NDF: 6313.4/1

Right Out: 71.483 $\pm$ 0.019 χ^2 /NDF: 325715.0/18

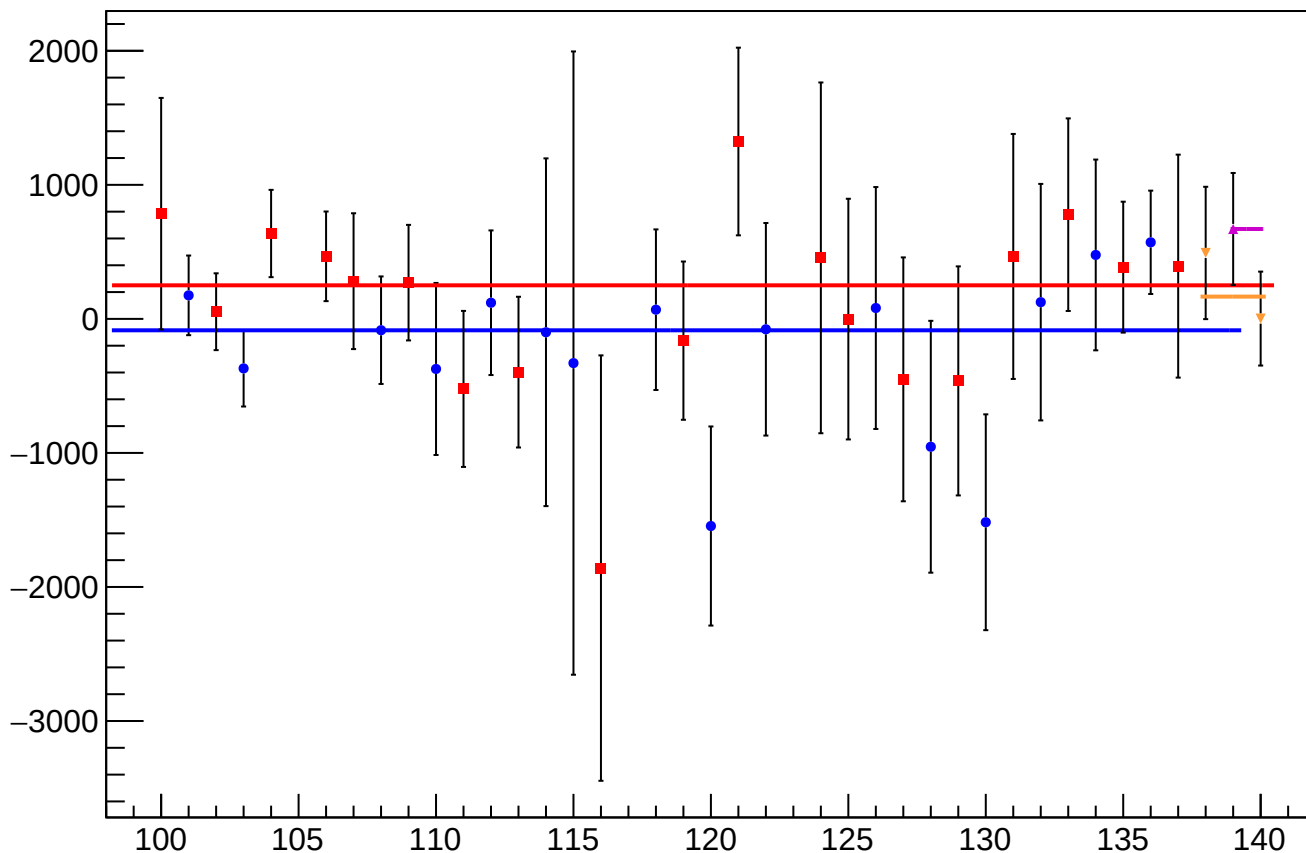
Left In: 69.504 $\pm$ 0.054 χ^2 /NDF: 0.0/0

+ sign 71.223 $\pm$ 0.017 χ^2 /NDF: 295725.2/17

All: 71.244 $\pm$ 0.012 χ^2 /NDF: 622656.3/37

- sign 71.267 $\pm$ 0.018 χ^2 /NDF: 326928.0/19

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184 ± 132.877 χ^2/NDF : 13.7/15

Left Out: 166.297 ± 285.771 χ^2/NDF : 0.7/1

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

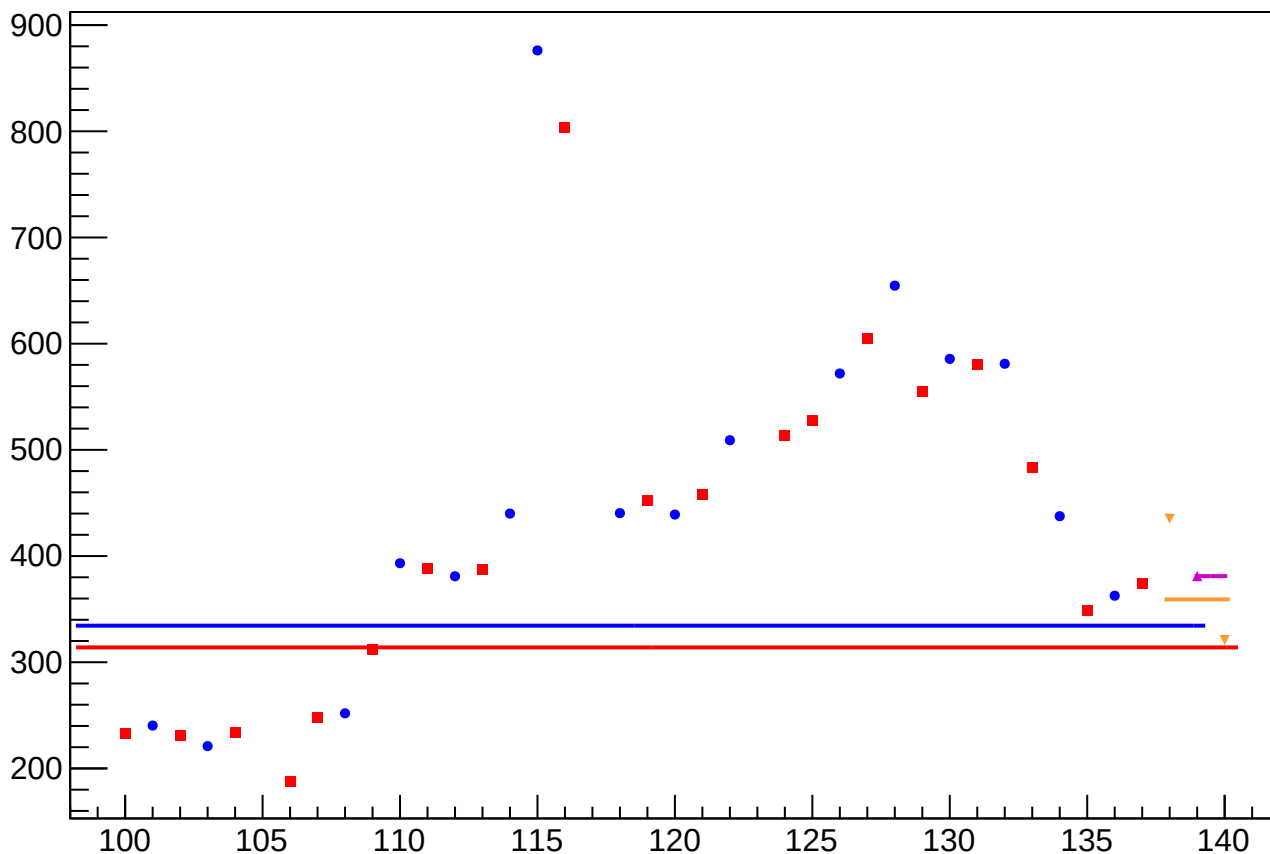
Left In: 670.694 ± 417.909 χ^2/NDF : 0.0/0

+ sign -40.479 ± 120.489 χ^2/NDF : 15.0/17

All: 124.835 ± 84.400 χ^2/NDF : 32.1/37

- sign 284.094 ± 118.262 χ^2/NDF : 13.4/19

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF : 1730610.2/15

Left Out: 359.147+/-0.202 χ^2/NDF : 71176.9/1

Right Out: 313.971+/-0.087 χ^2/NDF : 1904605.9/18

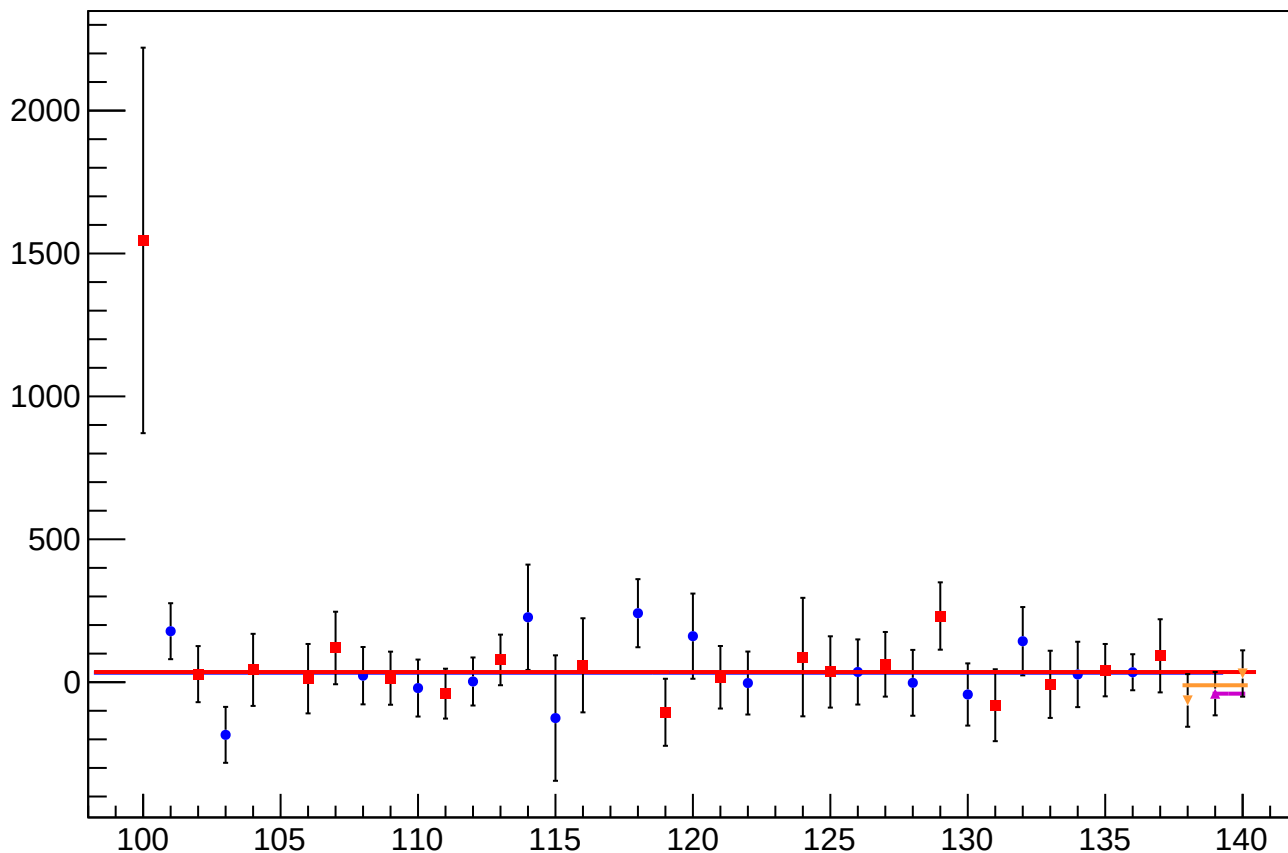
Left In: 381.094+/-0.296 χ^2/NDF : 0.0/0

+ sign 338.825+/-0.085 χ^2/NDF : 1814088.2/17

All: 328.904+/-0.060 χ^2/NDF : 3792778.6/37

- sign 319.346+/-0.084 χ^2/NDF : 1952068.6/19

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397 ± 26.415 $\chi^2/\text{NDF}: 14.5/15$

Left Out: -10.731 ± 60.867 $\chi^2/\text{NDF}: 0.6/1$

Right Out: 35.577 ± 26.536 $\chi^2/\text{NDF}: 12.1/18$

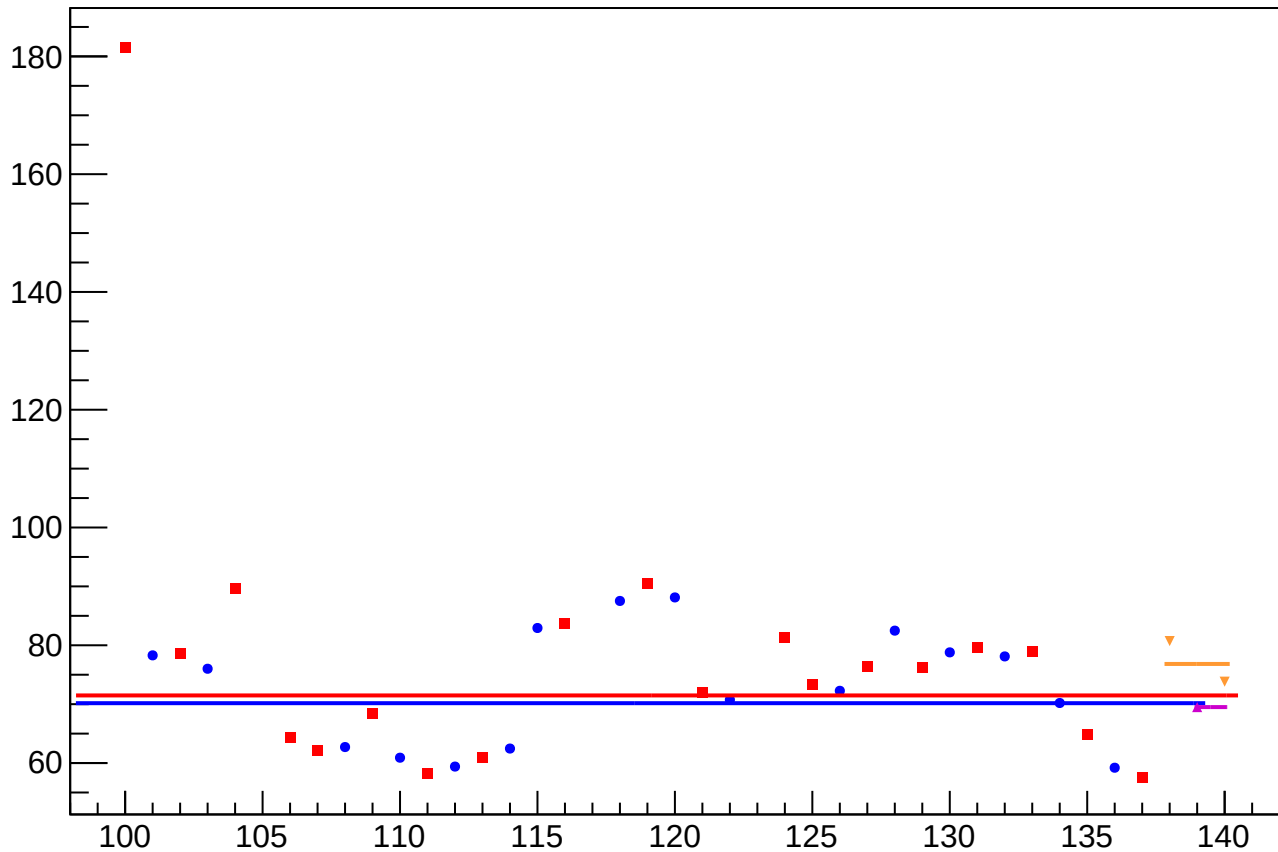
Left In: -40.116 ± 75.841 $\chi^2/\text{NDF}: 0.0/0$

+ sign 26.404 ± 24.231 $\chi^2/\text{NDF}: 15.6/17$

All: 26.847 ± 17.415 $\chi^2/\text{NDF}: 28.6/37$

- sign 27.321 ± 25.047 $\chi^2/\text{NDF}: 13.0/19$

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2 /NDF: 269253.0/15

Left Out: 76.829+/-0.043 χ^2 /NDF:6313.4/1

Right Out: 71.483+/-0.019 χ^2 /NDF: 325721.5/18

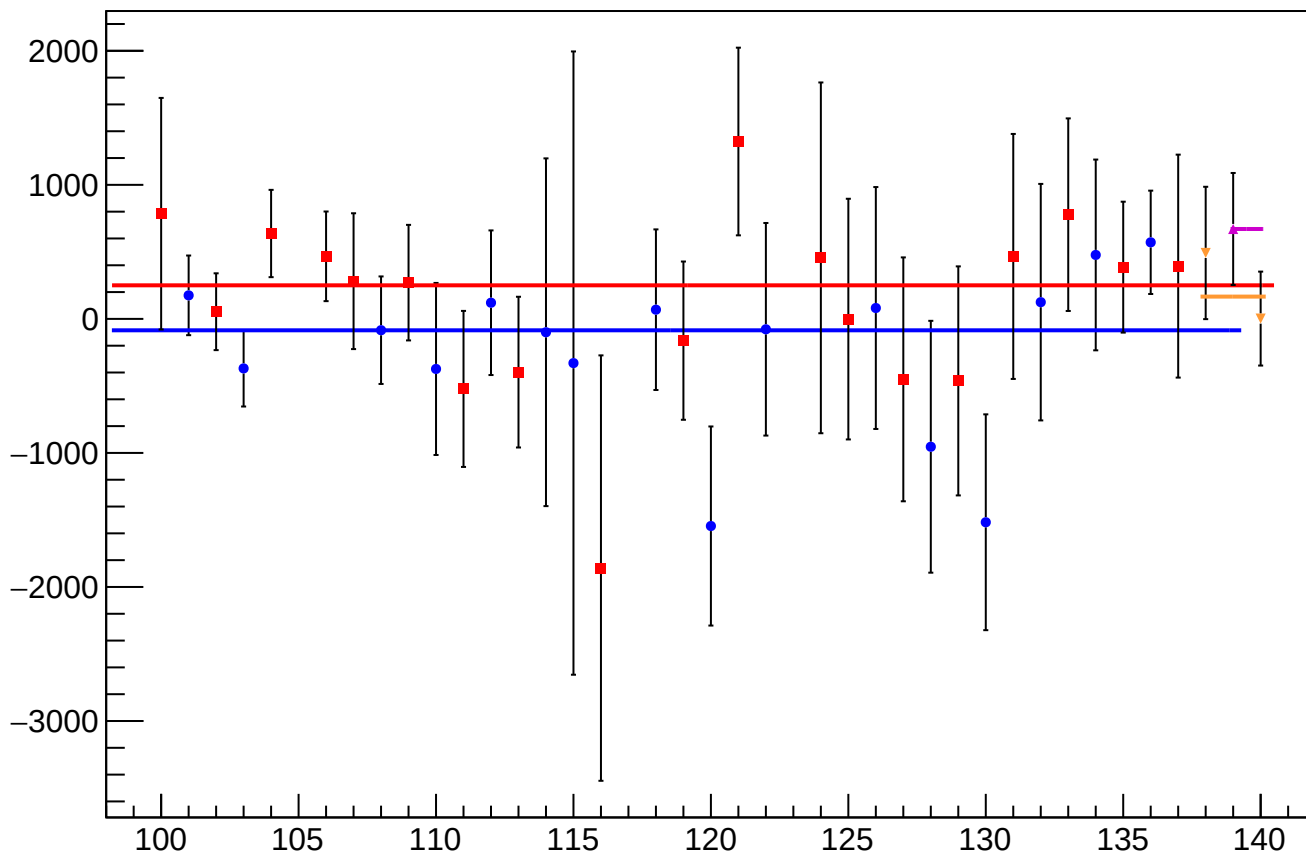
Left In: 69.504+/-0.054 χ^2 /NDF:0.0/0

+ sign 71.223+/-0.017 χ^2 /NDF: 295725.8/17

All: 71.244+/-0.012 χ^2 /NDF: 622664.0/37

- sign 71.267+/-0.018 χ^2 /NDF: 326935.0/19

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: -85.185 ± 132.877 χ^2/NDF : 13.7/15

Left Out: 166.297 ± 285.770 χ^2/NDF : 0.7/1

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

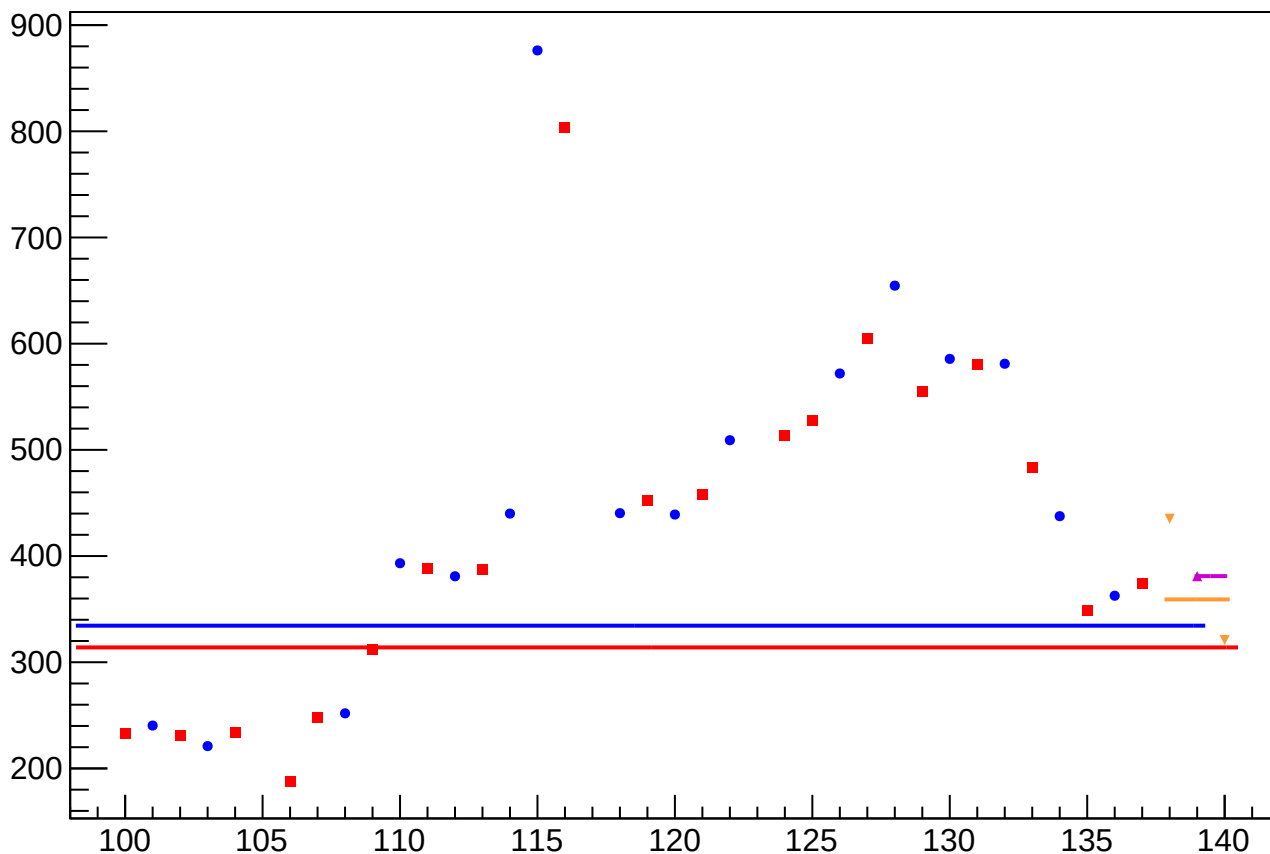
Left In: 670.692 ± 417.908 χ^2/NDF : 0.0/0

+ sign -40.479 ± 120.489 χ^2/NDF : 15.0/17

All: 124.835 ± 84.400 χ^2/NDF : 32.1/37

- sign 284.094 ± 118.262 χ^2/NDF : 13.4/19

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: 359.146+/-0.202 χ^2/NDF : 71176.6/1

Right Out: 313.971+/-0.087 χ^2/NDF : 1904604.3/18

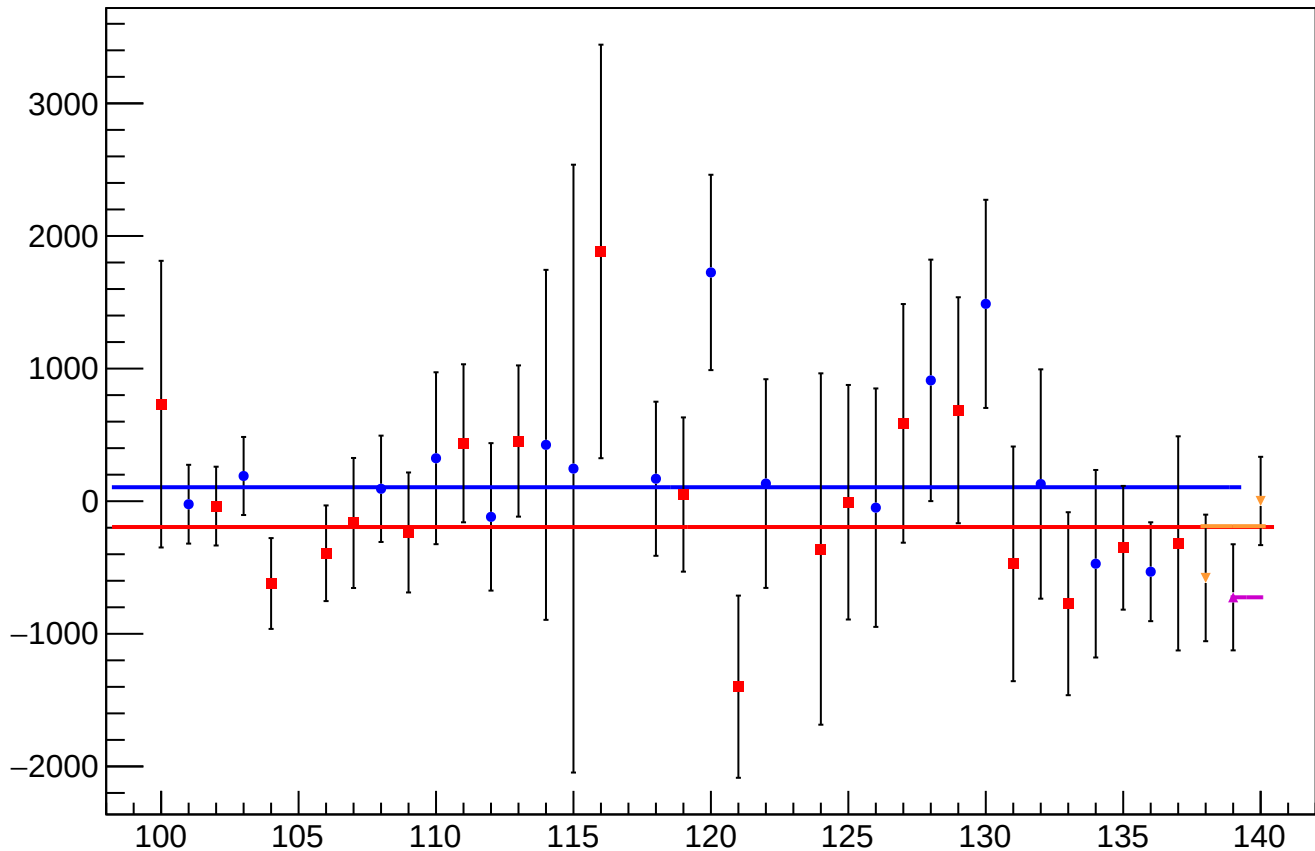
Left In: 381.093+/-0.296 χ^2/NDF : 0.0/0

+ sign 338.825+/-0.085 χ^2/NDF : 1814086.0/17

All: 328.904+/-0.060 χ^2/NDF : 3792774.8/37

- sign 319.346+/-0.084 χ^2/NDF : 1952066.8/19

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390 $\pm$ 133.046 χ^2 /NDF: 13.0/15

Left Out: -188.195 $\pm$ 273.045 χ^2 /NDF:1.0/1

Right Out: -194.712 $\pm$ 126.198 χ^2 /NDF: 13.1/18

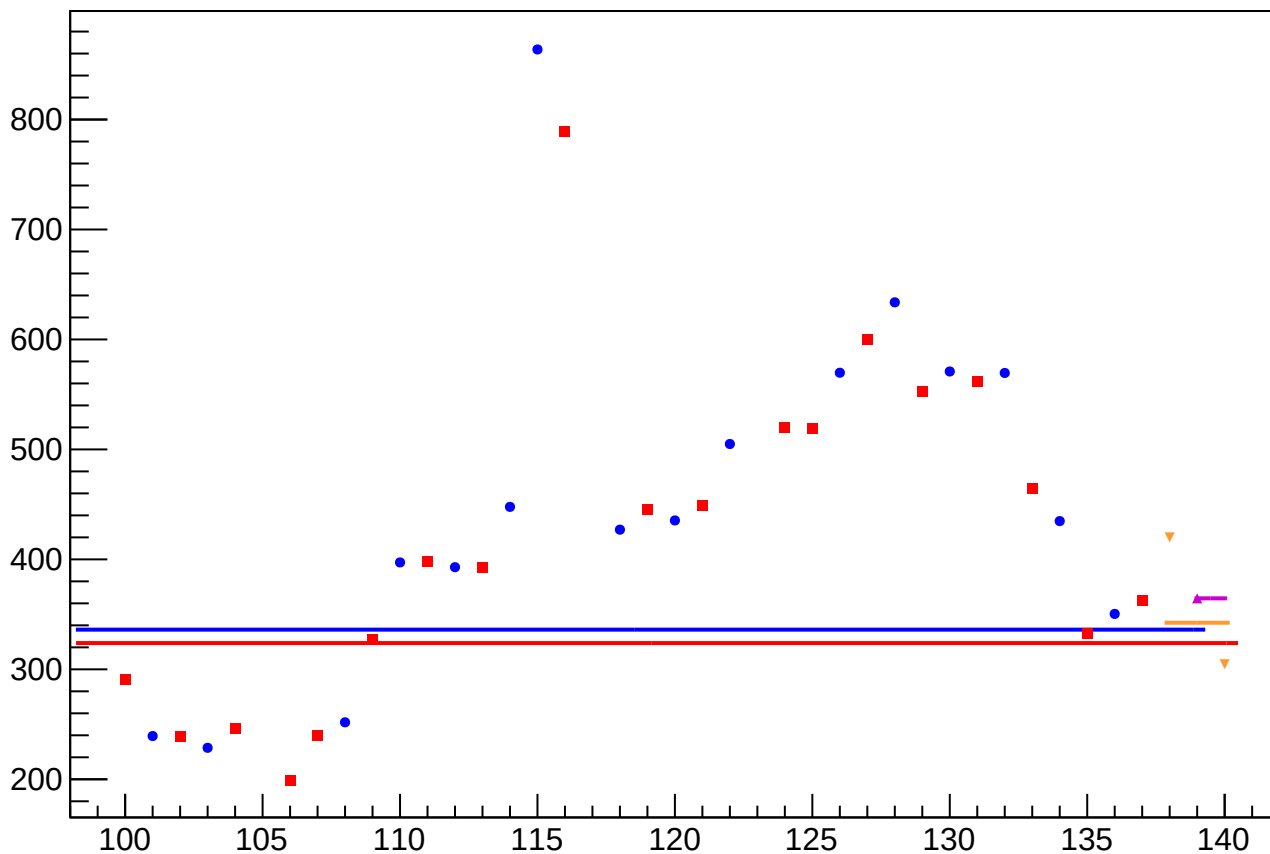
Left In: -724.713 $\pm$ 400.079 χ^2 /NDF:0.0/0

+ sign 49.059 $\pm$ 119.603 χ^2 /NDF: 14.9/17

All: -95.896 $\pm$ 84.836 χ^2 /NDF: 32.6/37

- sign -242.674 $\pm$ 120.353 χ^2 /NDF: 14.7/19

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF : 1618997.2/15

Left Out: 342.380+/-0.193 χ^2/NDF : 78621.6/1

Right Out: 323.885+/-0.089 χ^2/NDF : 1665420.8/18

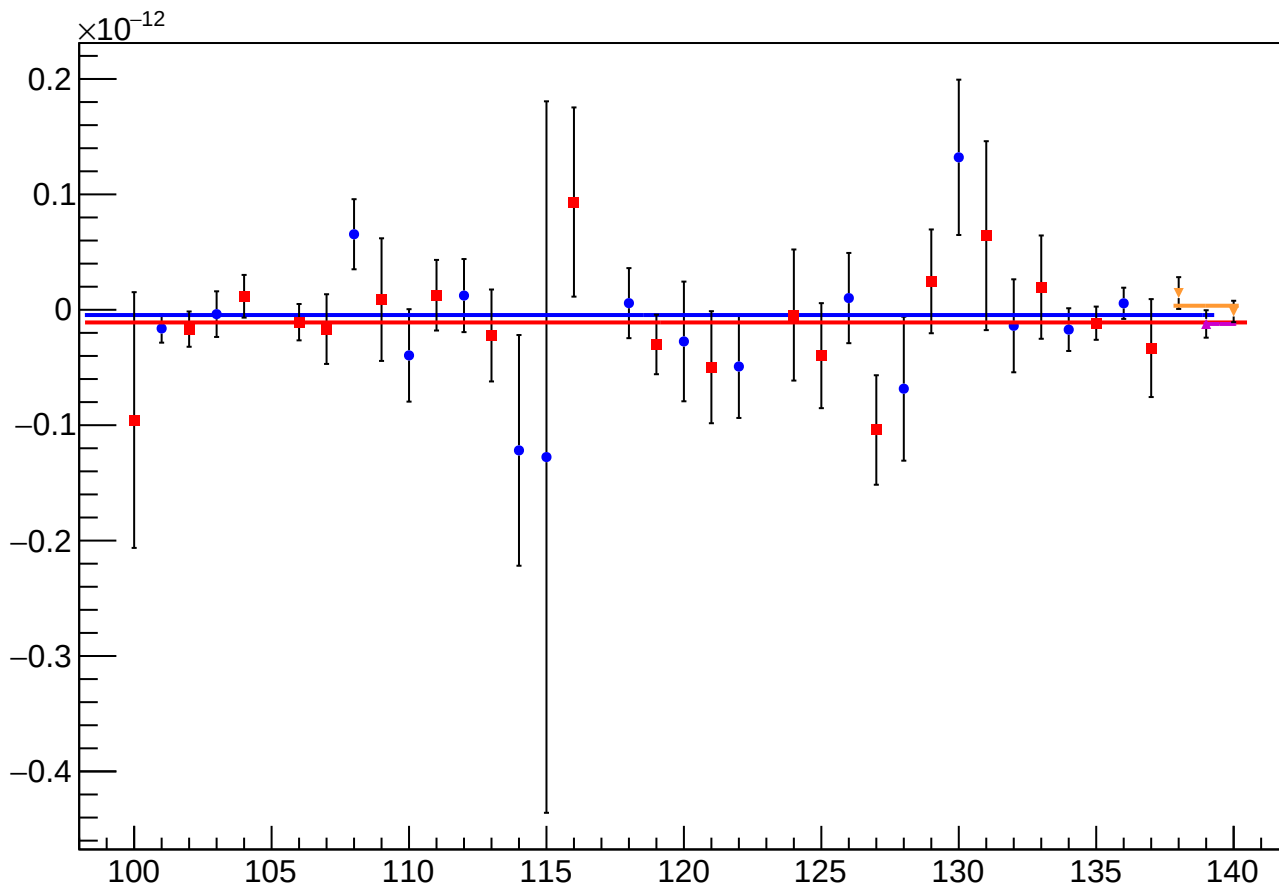
Left In: 364.558+/-0.283 χ^2/NDF : 0.0/0

+ sign 337.298+/-0.085 χ^2/NDF : 1698475.8/17

All: 332.463+/-0.060 χ^2/NDF : 3389276.0/37

- sign 327.566+/-0.085 χ^2/NDF : 1684220.0/19

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/18

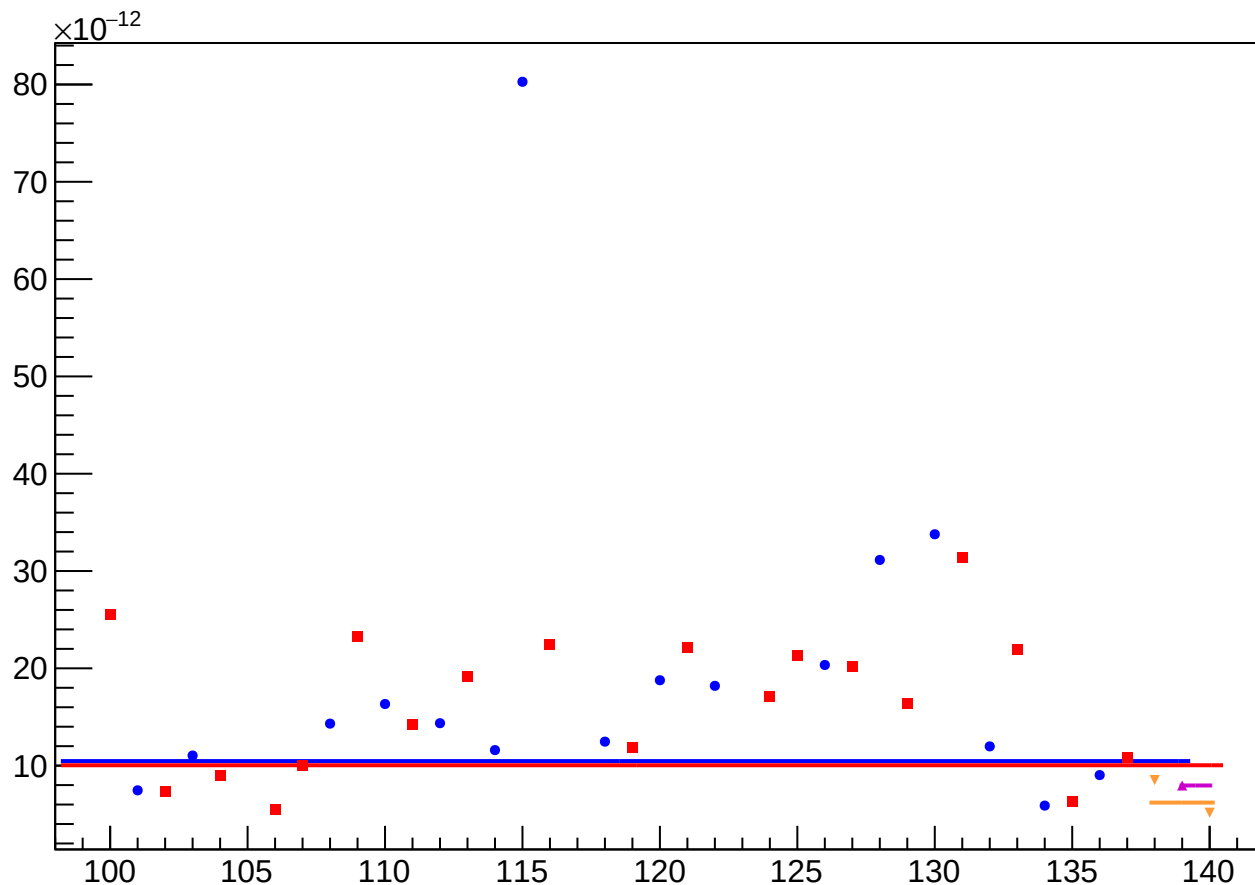
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/19

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 :81810.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1415778.7/18

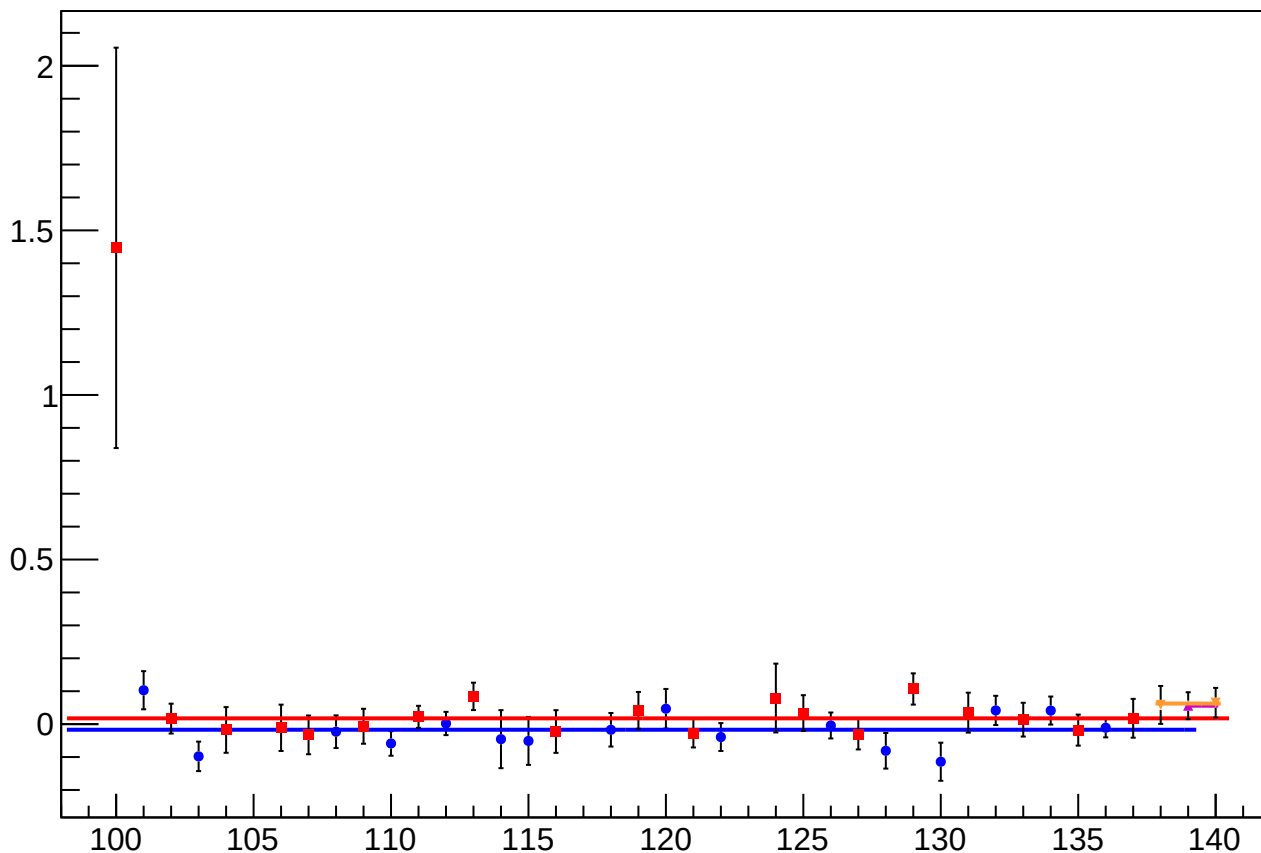
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 1627460.8/17

All: 0.000+/-0.000 χ^2/NDF : 3117223.1/37

- sign 0.000+/-0.000 χ^2/NDF : 1463108.2/19

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: 0.063 ± 0.035 χ^2/NDF : 0.0/1

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

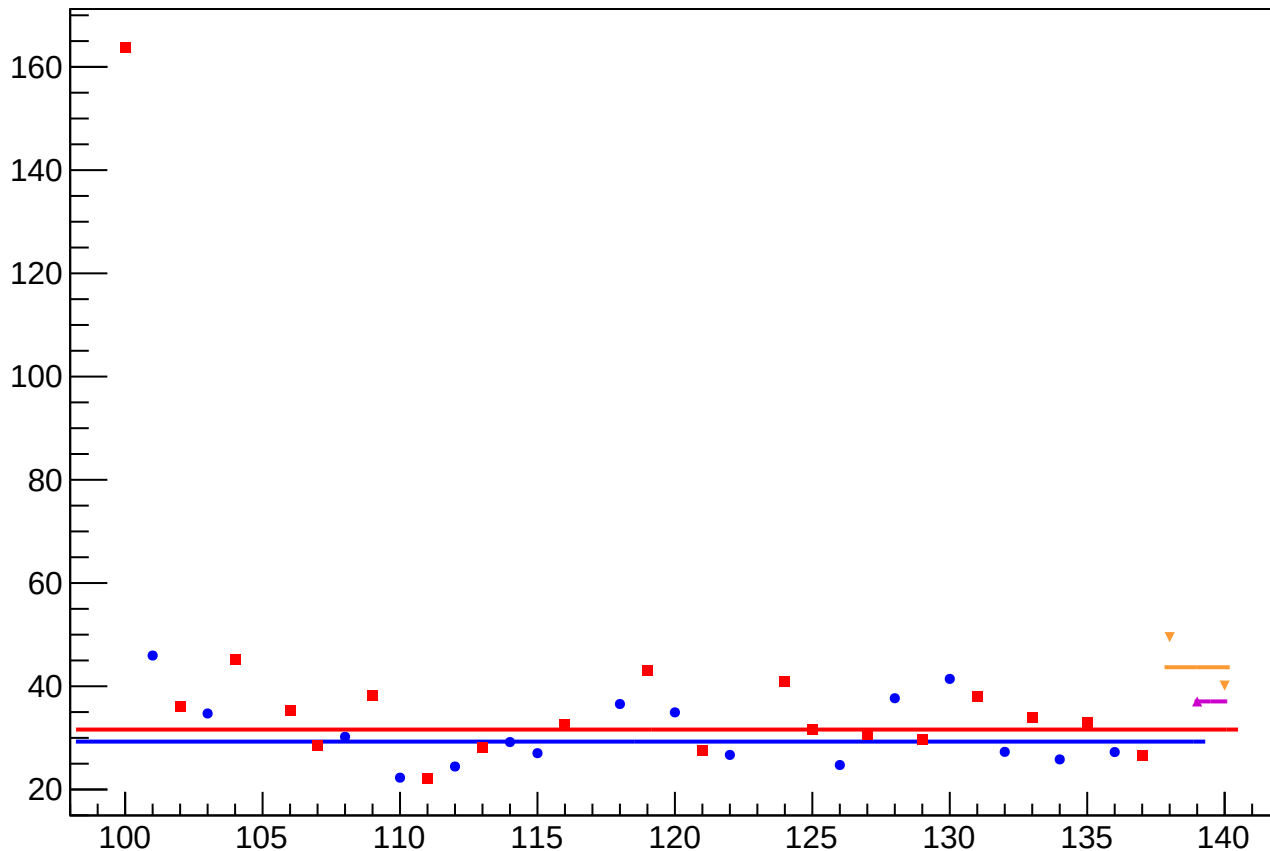
Left In: 0.056 ± 0.041 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.004 ± 0.008 χ^2/NDF : 44.7/37

- sign 0.021 ± 0.012 χ^2/NDF : 17.6/19

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 0.008 χ^2 /NDF: 560654.9/15

Left Out: 43.685 $\pm$ 0.025 χ^2 /NDF: 32992.1/1

Right Out: 31.613 $\pm$ 0.009 χ^2 /NDF: 572190.6/18

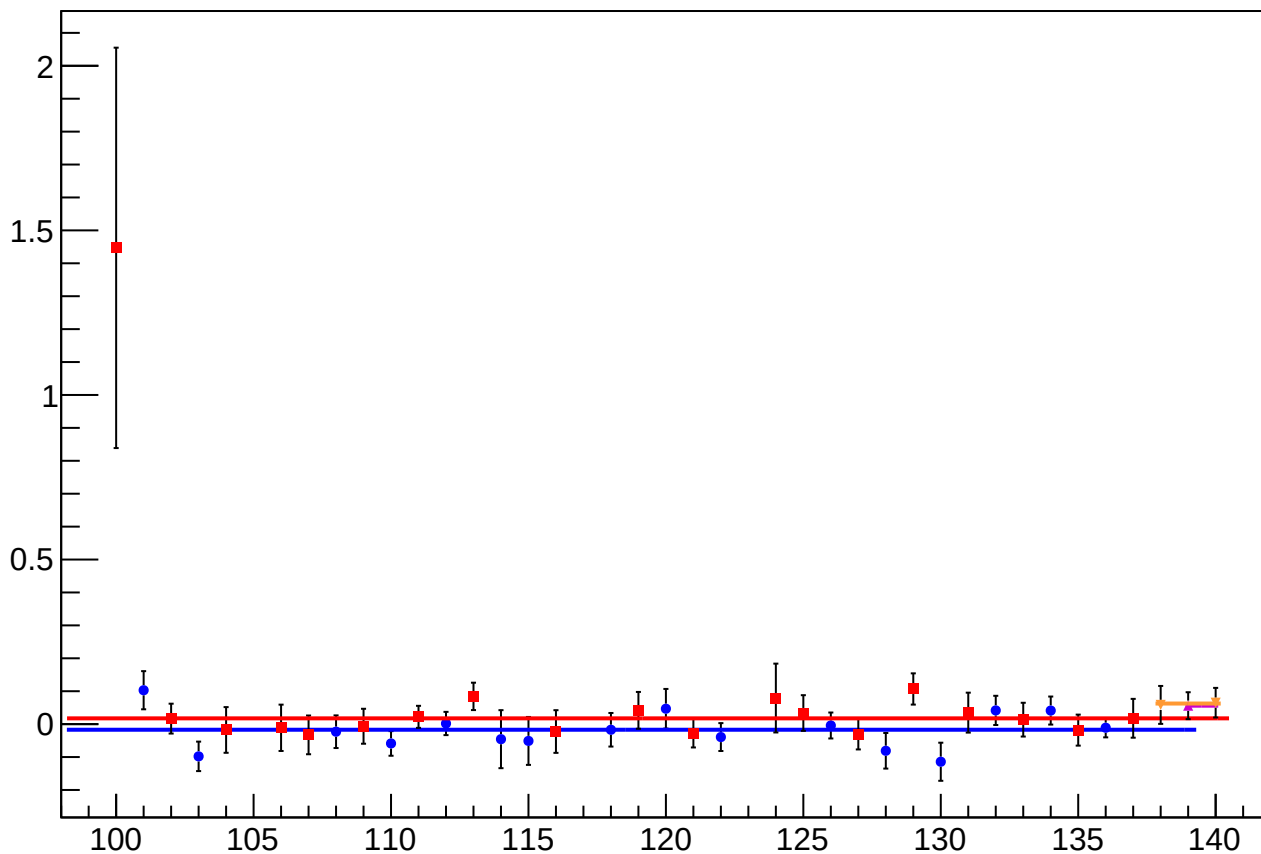
Left In: 37.061 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 30.616 $\pm$ 0.008 χ^2 /NDF: 893110.9/17

All: 31.283 $\pm$ 0.006 χ^2 /NDF: 1514422.8/37

- sign 32.053 $\pm$ 0.008 χ^2 /NDF: 604891.1/19

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017 ± 0.011 χ^2/NDF : 18.8/15

Left Out: 0.063 ± 0.035 χ^2/NDF : 0.0/1

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

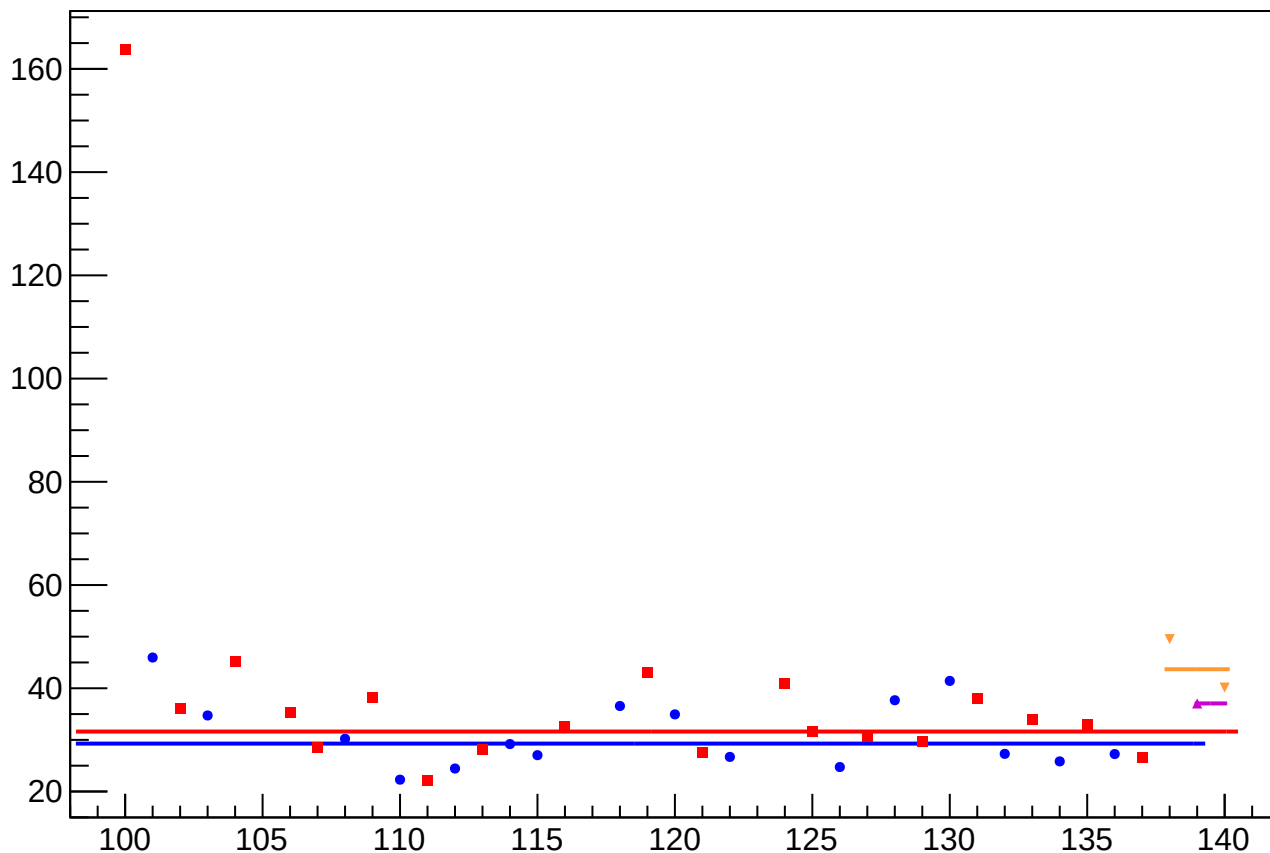
Left In: 0.056 ± 0.041 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.004 ± 0.008 χ^2/NDF : 44.7/37

- sign 0.021 ± 0.012 χ^2/NDF : 17.6/19

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF : 560654.9/15

Left Out: 43.685+/-0.025 χ^2/NDF : 32992.1/1

Right Out: 31.613+/-0.009 χ^2/NDF : 572190.6/18

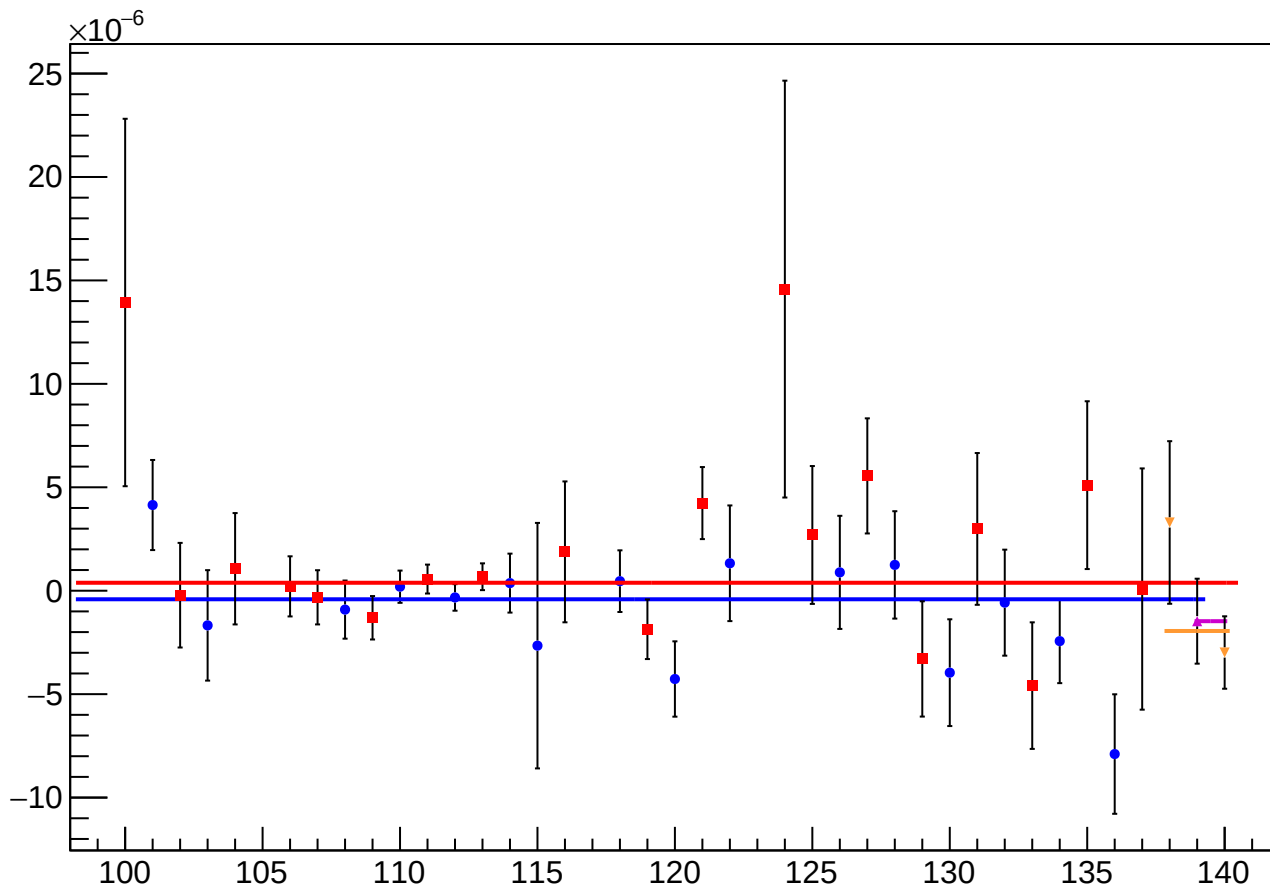
Left In: 37.061+/-0.029 χ^2/NDF : 0.0/0

+ sign 30.616+/-0.008 χ^2/NDF : 893110.9/17

All: 31.283+/-0.006 χ^2/NDF : 1514422.8/37

- sign 32.053+/-0.008 χ^2/NDF : 604891.1/19

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.2/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 2.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.3/18

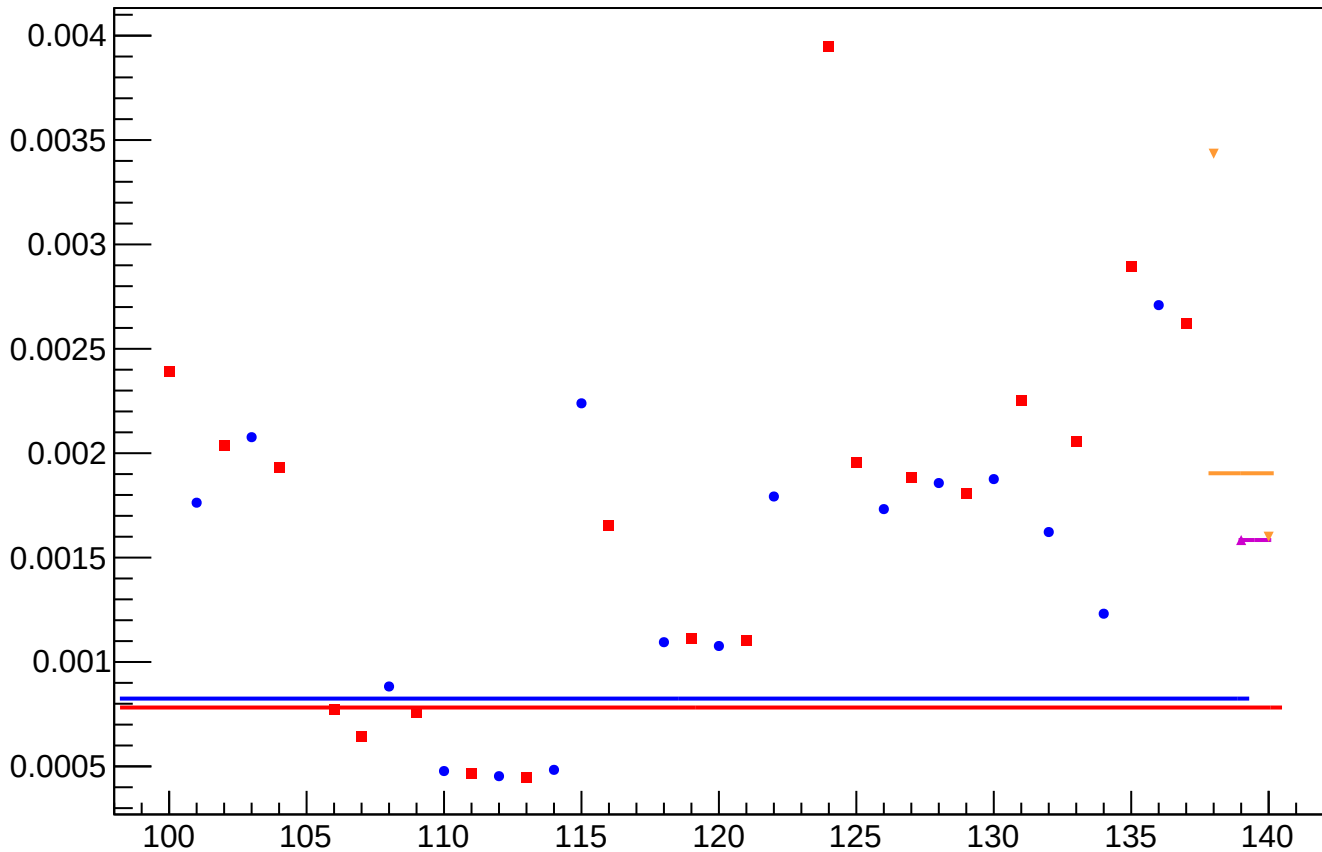
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.000 χ^2/NDF : 24.2/17

All: -0.000 ± 0.000 χ^2/NDF : 53.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 26.1/19

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 4448725.9/15

Left Out: 0.002+/-0.000 χ^2/NDF : 363628.6/1

Right Out: 0.001+/-0.000 χ^2/NDF : 4638419.3/18

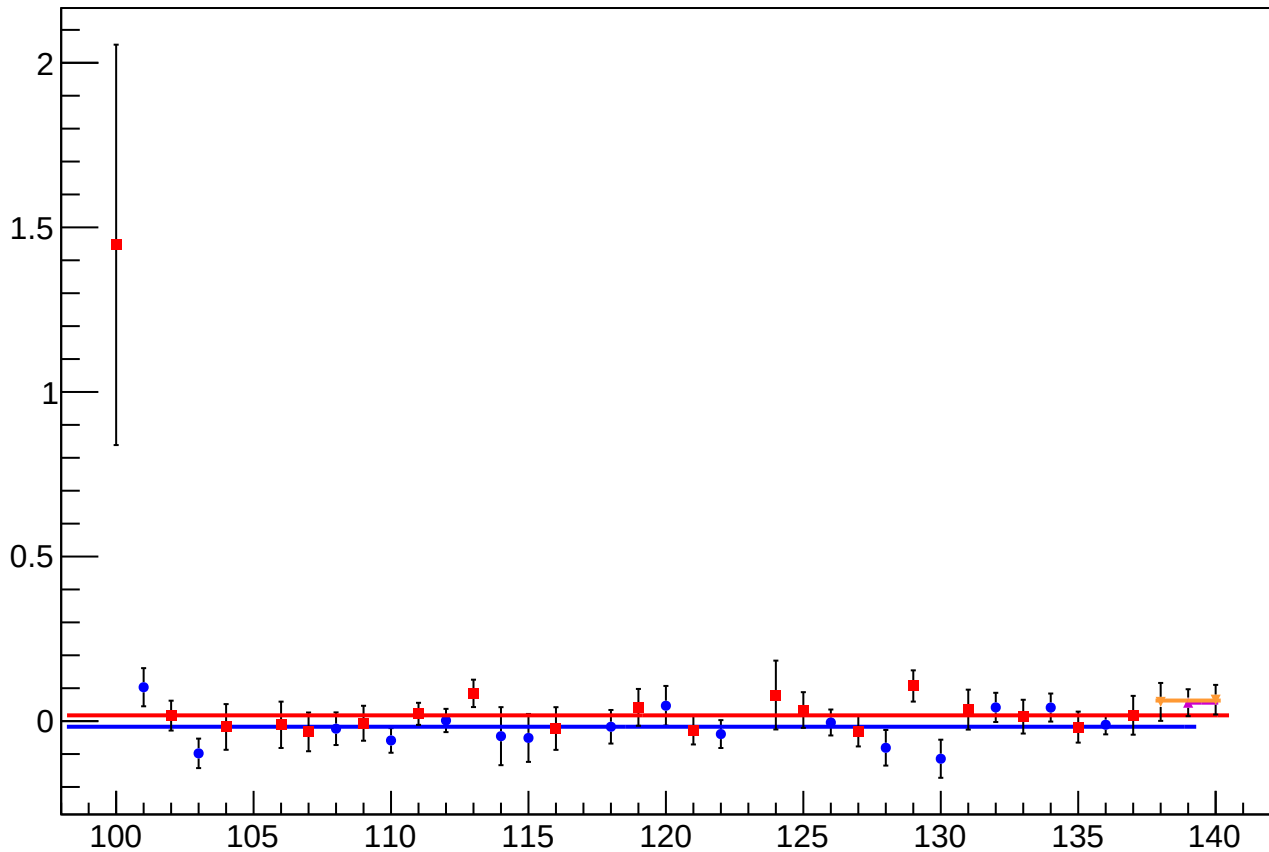
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 5676645.2/17

All: 0.001+/-0.000 χ^2/NDF : 10657410.6/37

- sign 0.001+/-0.000 χ^2/NDF : 4935149.4/19

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: 0.063 ± 0.035 χ^2/NDF : 0.0/1

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

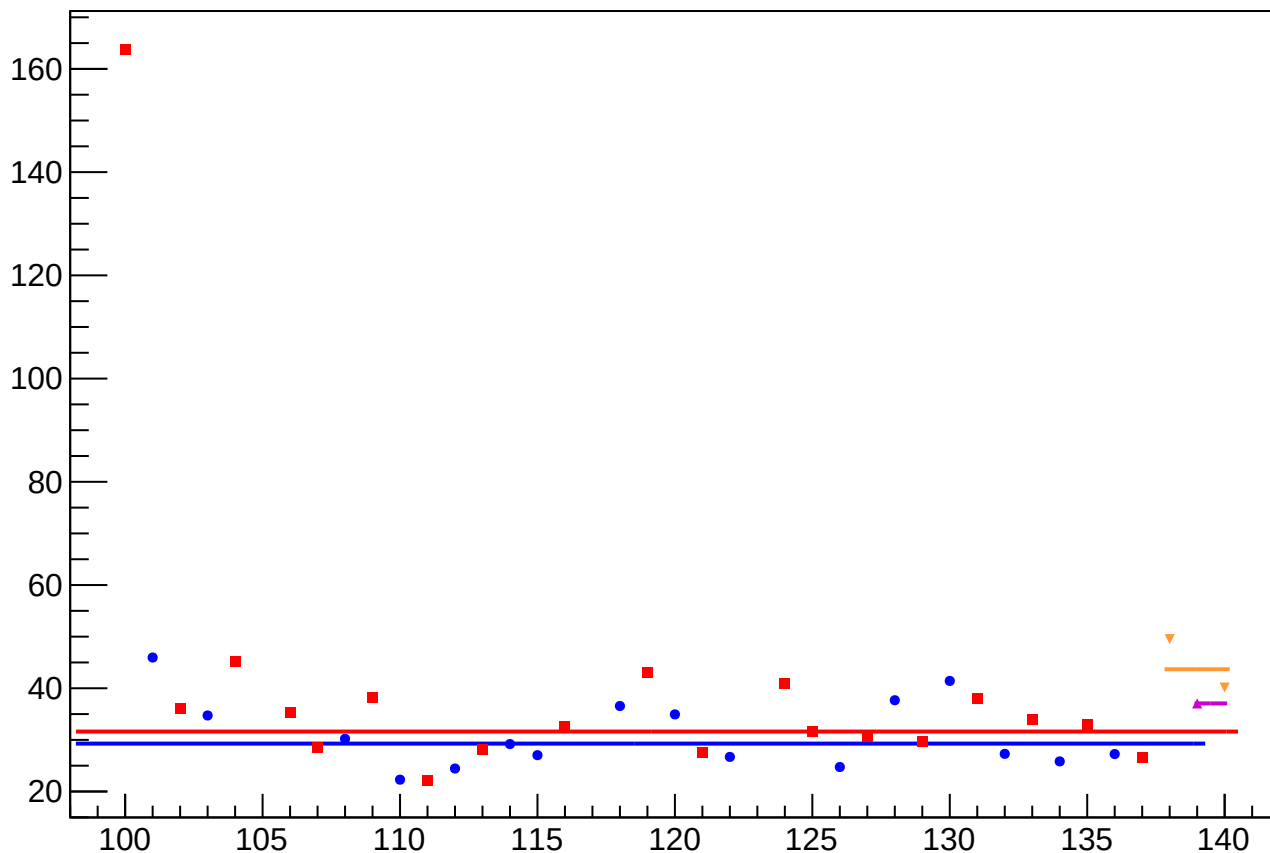
Left In: 0.056 ± 0.041 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.004 ± 0.008 χ^2/NDF : 44.7/37

- sign 0.021 ± 0.012 χ^2/NDF : 17.6/19

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 0.008 χ^2 /NDF: 560654.1/15

Left Out: 43.685 $\pm$ 0.025 χ^2 /NDF: 32992.8/1

Right Out: 31.614 $\pm$ 0.009 χ^2 /NDF: 572187.4/18

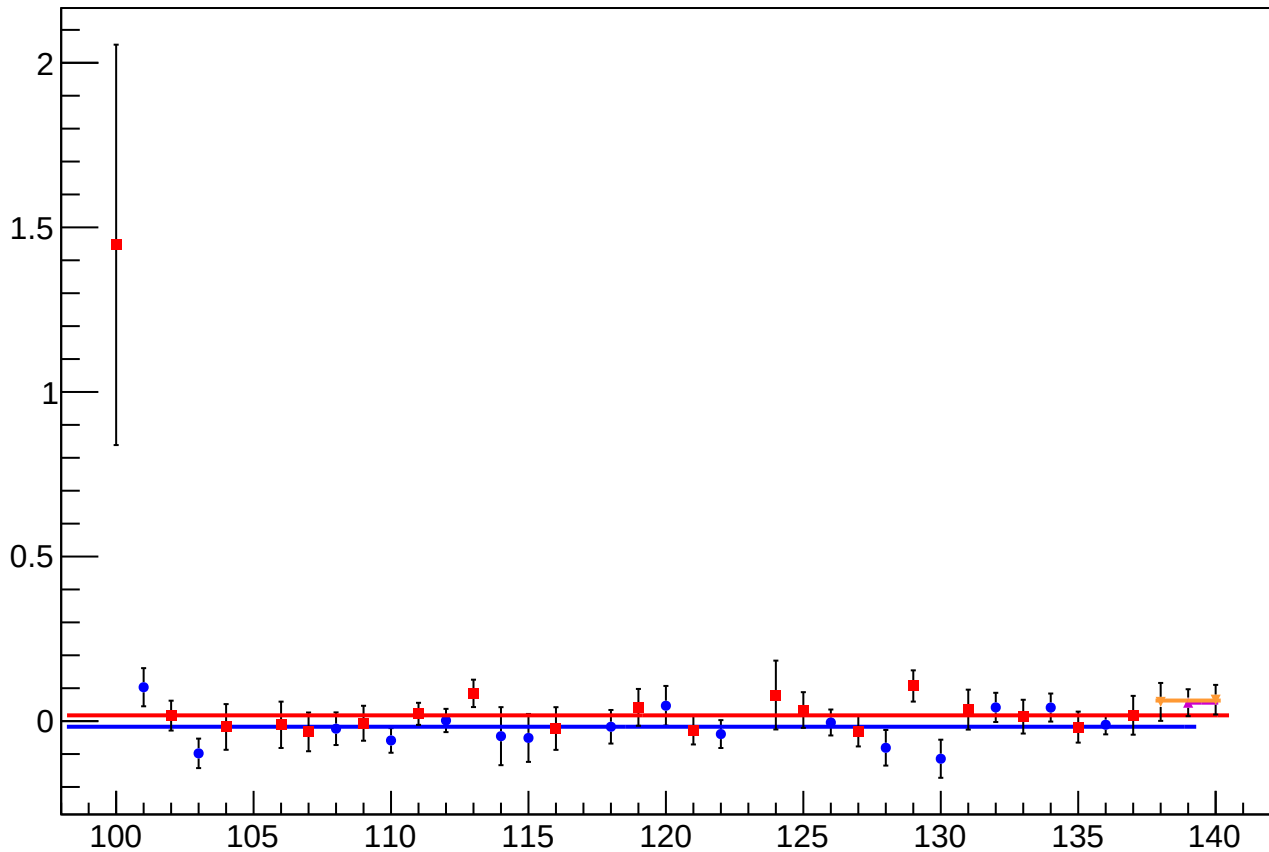
Left In: 37.061 $\pm$ 0.029 χ^2 /NDF: 0.0/0

+ sign 30.616 $\pm$ 0.008 χ^2 /NDF: 893082.1/17

All: 31.283 $\pm$ 0.006 χ^2 /NDF: 1514382.0/37

- sign 32.053 $\pm$ 0.008 χ^2 /NDF: 604876.9/19

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017 ± 0.011 χ^2/NDF : 18.8/15

Left Out: 0.063 ± 0.035 χ^2/NDF : 0.0/1

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

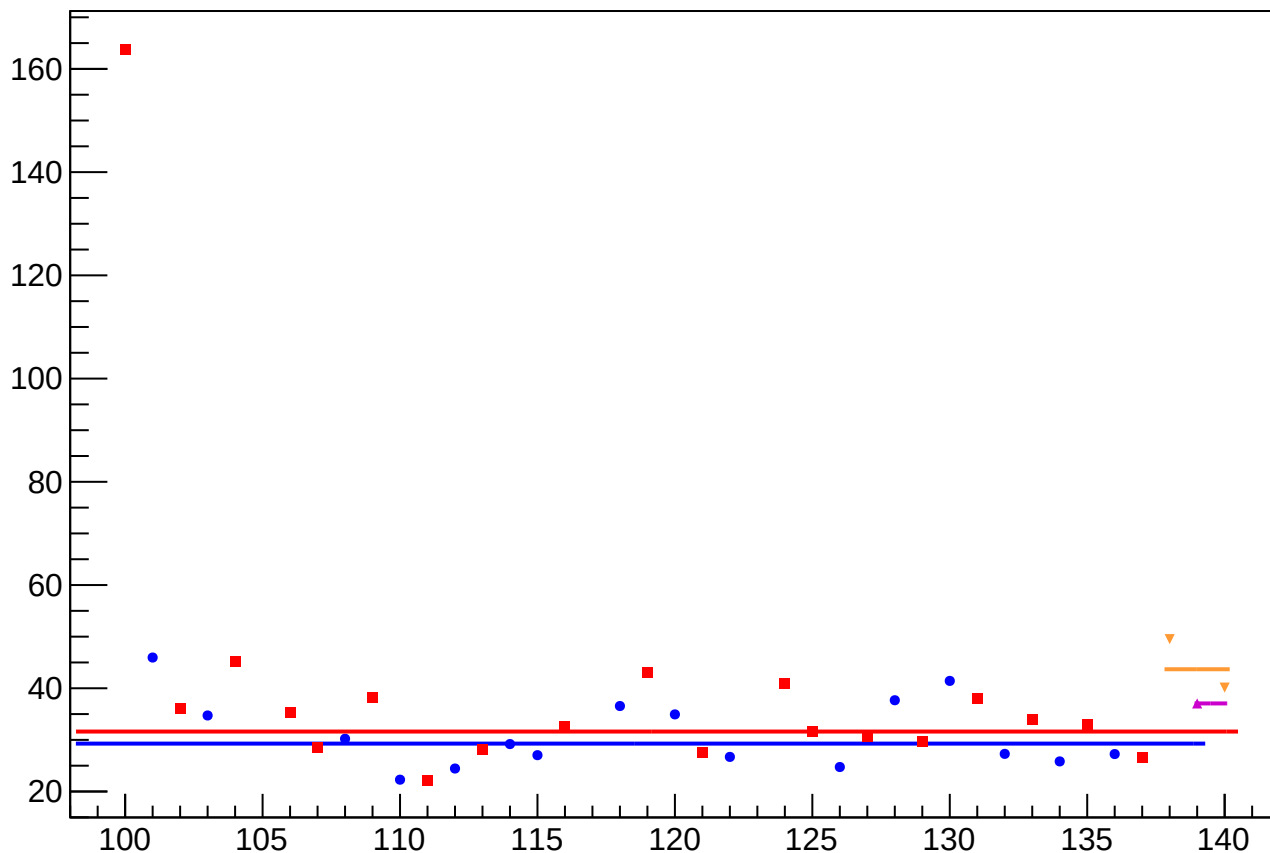
Left In: 0.056 ± 0.041 χ^2/NDF : 0.0/0

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.004 ± 0.008 χ^2/NDF : 44.7/37

- sign 0.021 ± 0.012 χ^2/NDF : 17.6/19

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: 43.685+/-0.025 χ^2/NDF : 32992.8/1

Right Out: 31.614+/-0.009 χ^2/NDF : 572187.4/18

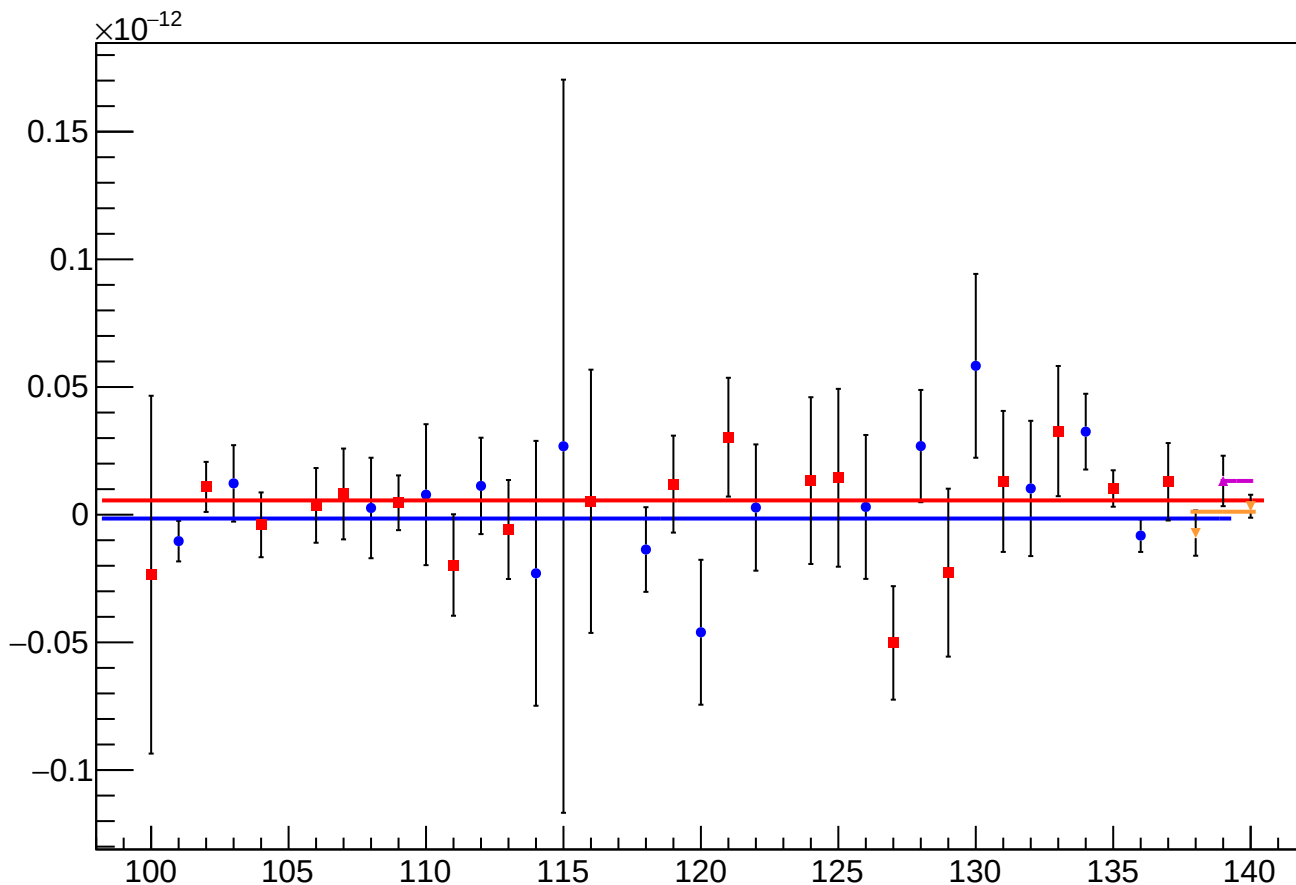
Left In: 37.061+/-0.029 χ^2/NDF : 0.0/0

+ sign 30.616+/-0.008 χ^2/NDF : 893082.1/17

All: 31.283+/-0.006 χ^2/NDF : 1514382.0/37

- sign 32.053+/-0.008 χ^2/NDF : 604876.9/19

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 13.3/18

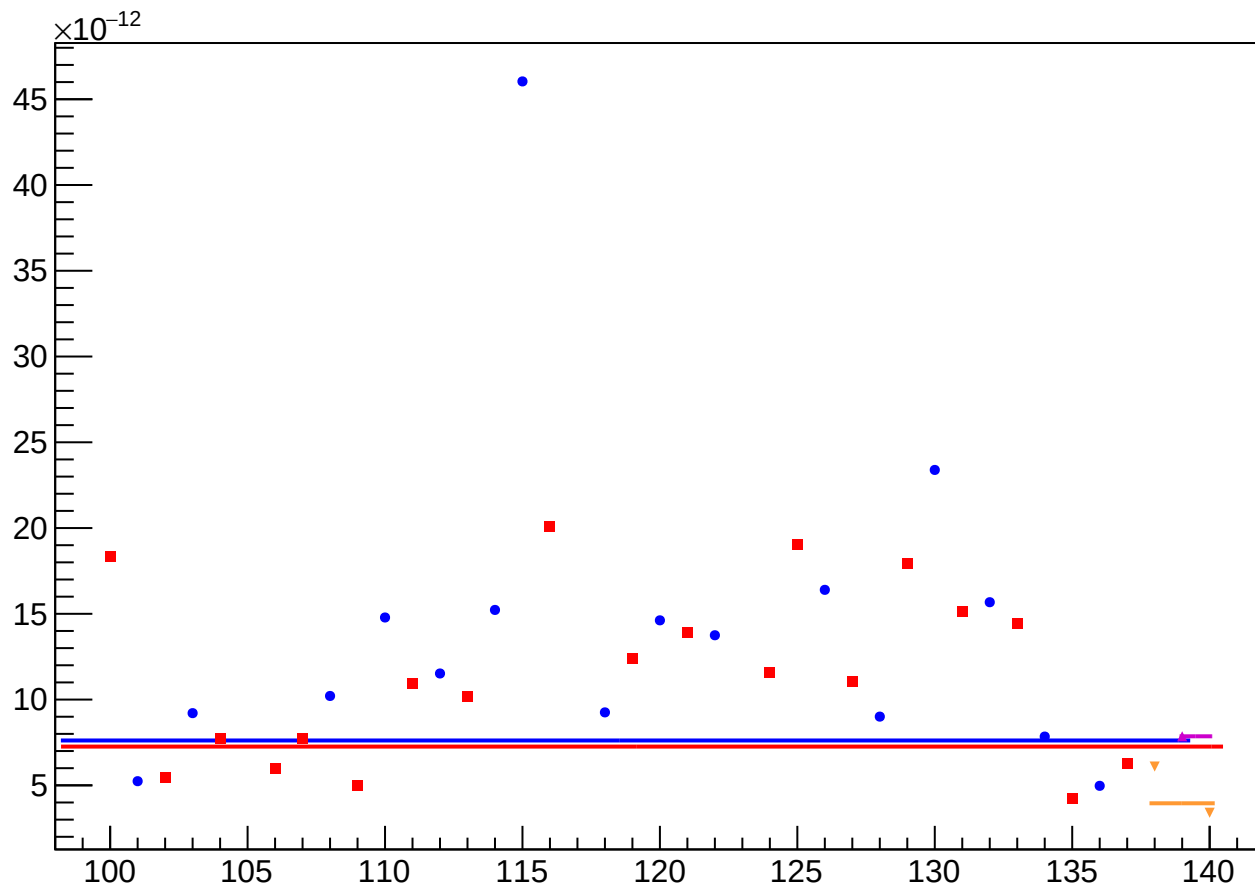
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 18.3/17

All: 0.000+/-0.000 χ^2/NDF : 34.5/37

- sign 0.000+/-0.000 χ^2/NDF : 13.8/19

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF :146889.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1998231.7/18

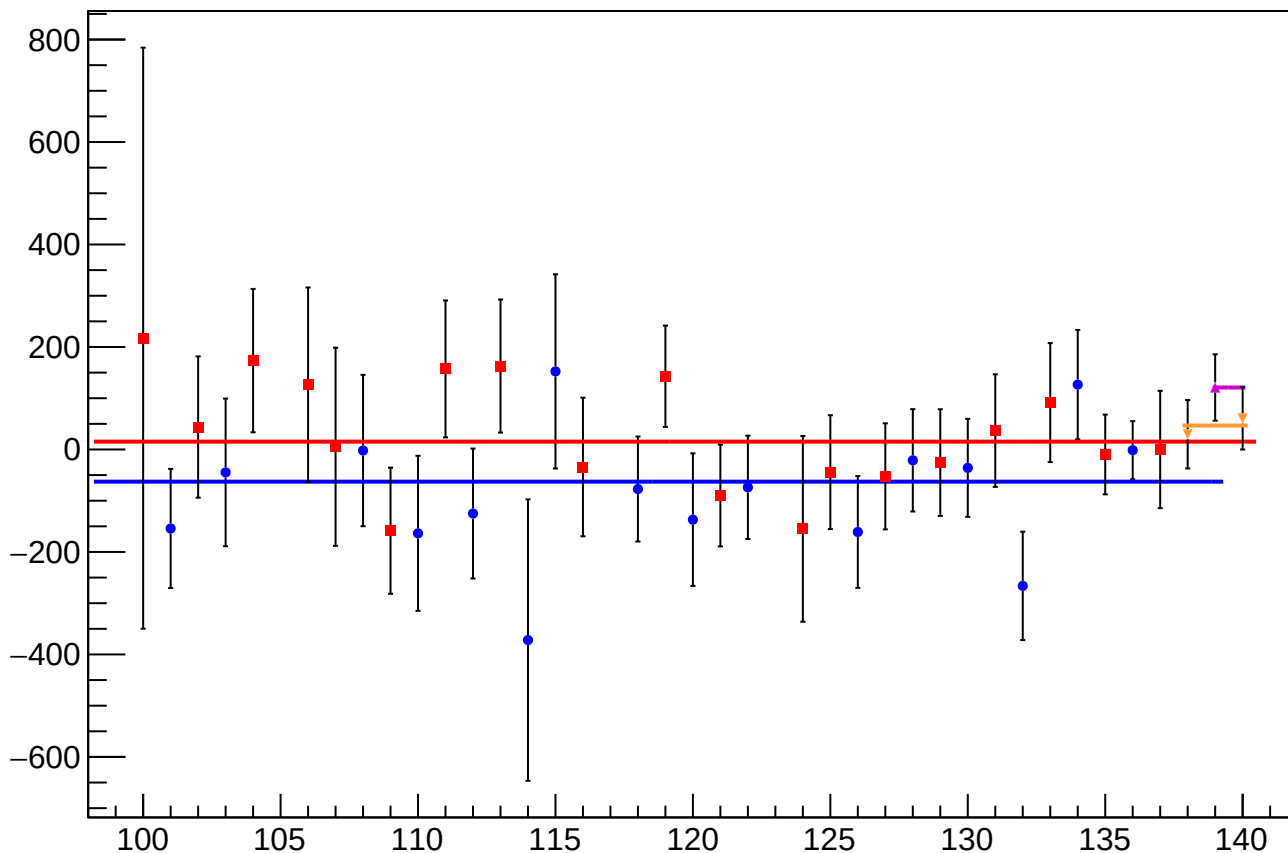
Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3042523.4/17

All: 0.000+/-0.000 χ^2/NDF : 5267251.7/37

- sign 0.000+/-0.000 χ^2/NDF : 2004726.8/19

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 46.671 ± 44.936 χ^2/NDF : 0.1/1

Right Out: 15.288 ± 27.770 χ^2/NDF : 11.5/18

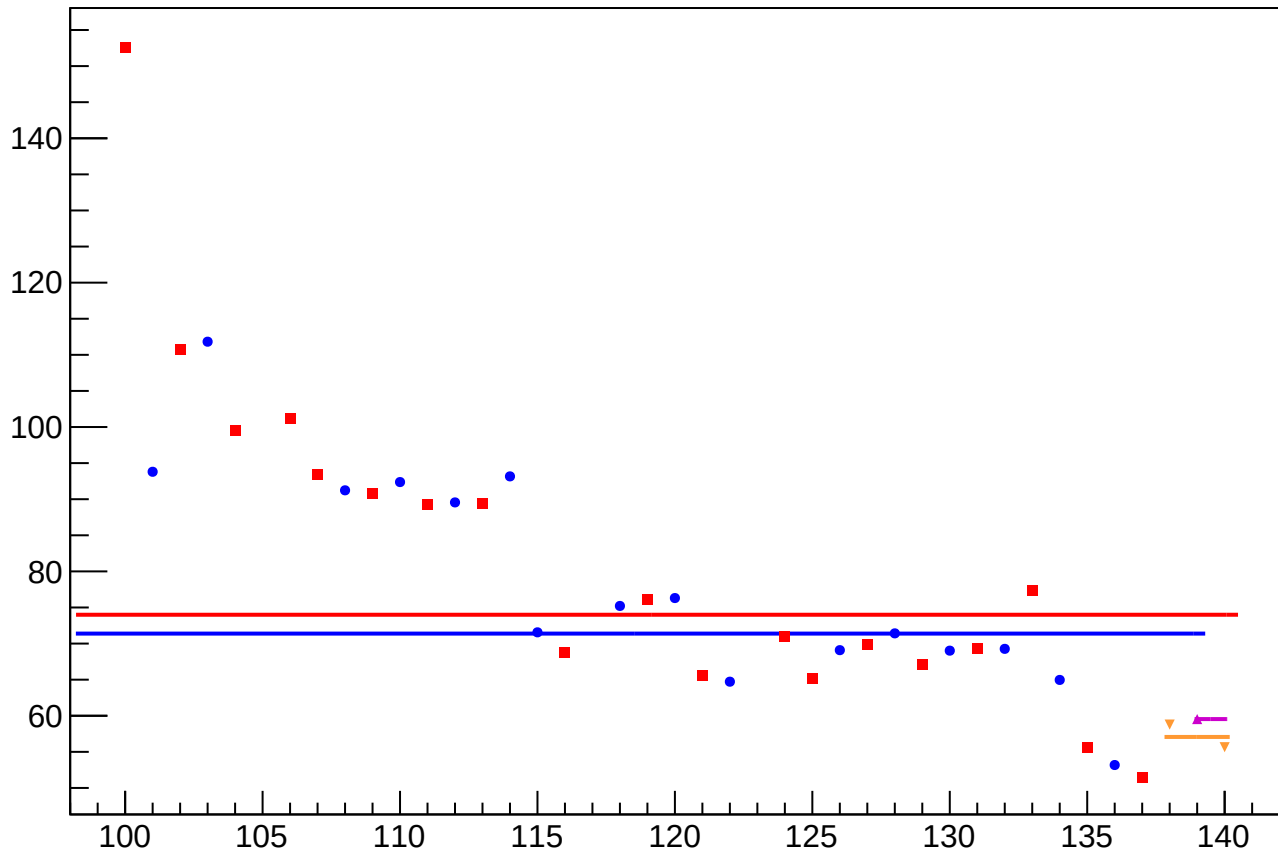
Left In: 120.953 ± 64.767 χ^2/NDF : 0.0/0

+ sign -33.423 ± 23.277 χ^2/NDF : 17.9/17

All: -3.853 ± 17.199 χ^2/NDF : 35.2/37

- sign 31.697 ± 25.523 χ^2/NDF : 13.7/19

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2 /NDF: 590909.3/15

Left Out: 57.065 $\pm$ 0.032 χ^2 /NDF: 2415.0/1

Right Out: 73.994 $\pm$ 0.020 χ^2 /NDF: 638445.5/18

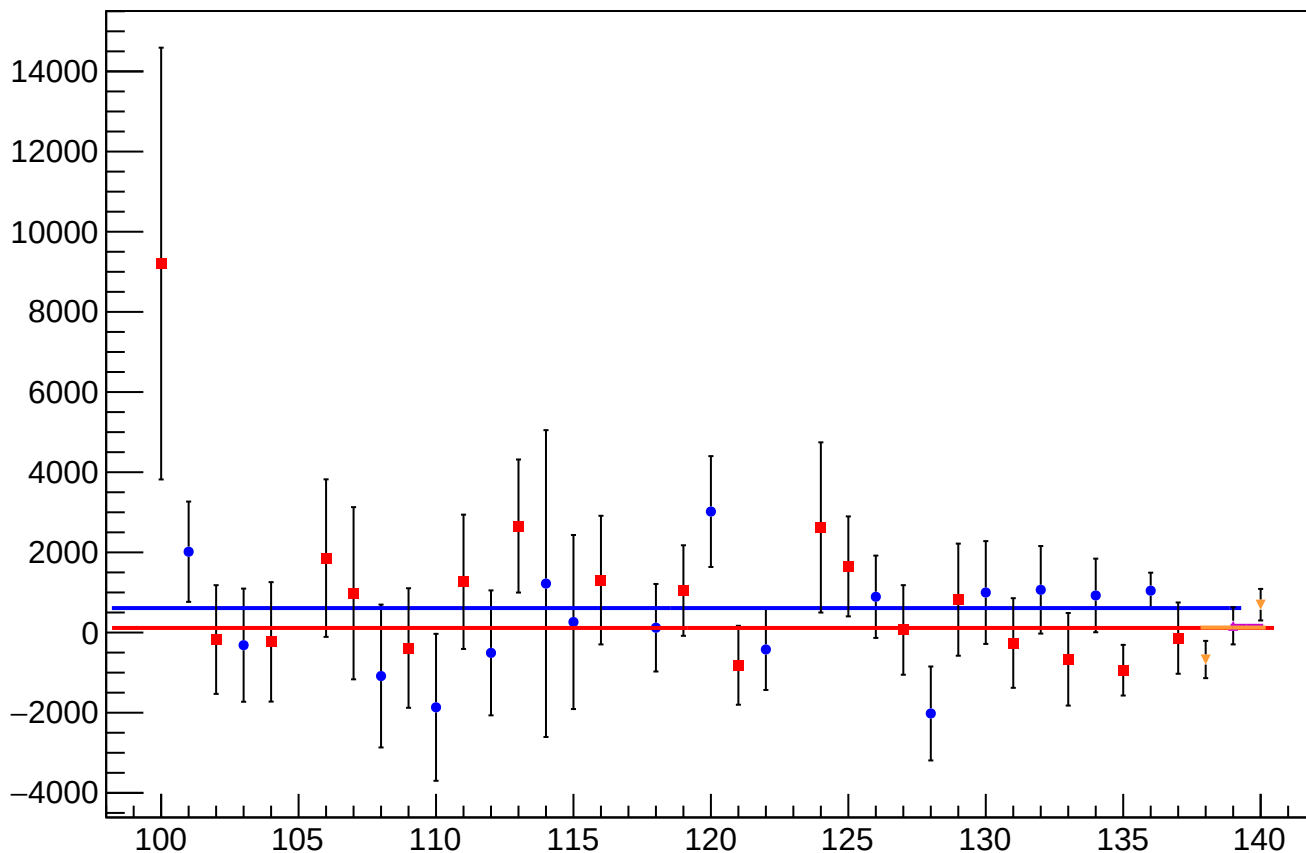
Left In: 59.542 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 67.541 $\pm$ 0.016 χ^2 /NDF: 741892.9/17

All: 69.452 $\pm$ 0.012 χ^2 /NDF: 1494140.1/37

- sign 71.749 $\pm$ 0.018 χ^2 /NDF: 722565.1/19

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561 $\pm$ 266.802 χ^2 /NDF: 15.7/15

Left Out: 124.850 $\pm$ 300.224 χ^2 /NDF: 5.0/1

Right Out: 114.633 $\pm$ 284.312 χ^2 /NDF: 15.6/18

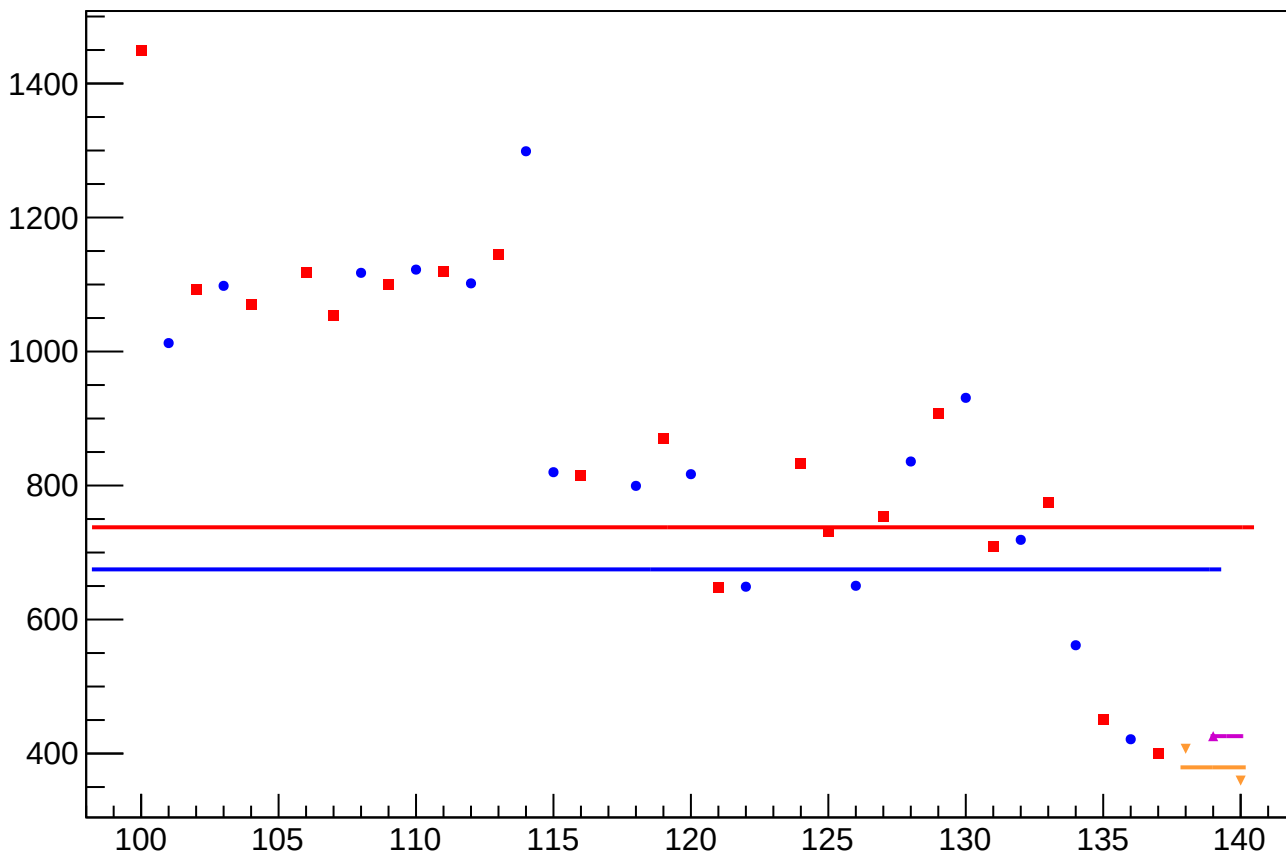
Left In: 168.188 $\pm$ 464.062 χ^2 /NDF: 0.0/0

+ sign 396.236 $\pm$ 199.431 χ^2 /NDF: 22.2/17

All: 288.480 $\pm$ 154.015 χ^2 /NDF: 38.5/37

- sign 129.249 $\pm$ 242.431 χ^2 /NDF: 15.6/19

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF : 1617598.7/15

Left Out: 379.381+/-0.212 χ^2/NDF : 12159.7/1

Right Out: 737.674+/-0.201 χ^2/NDF : 1516748.6/18

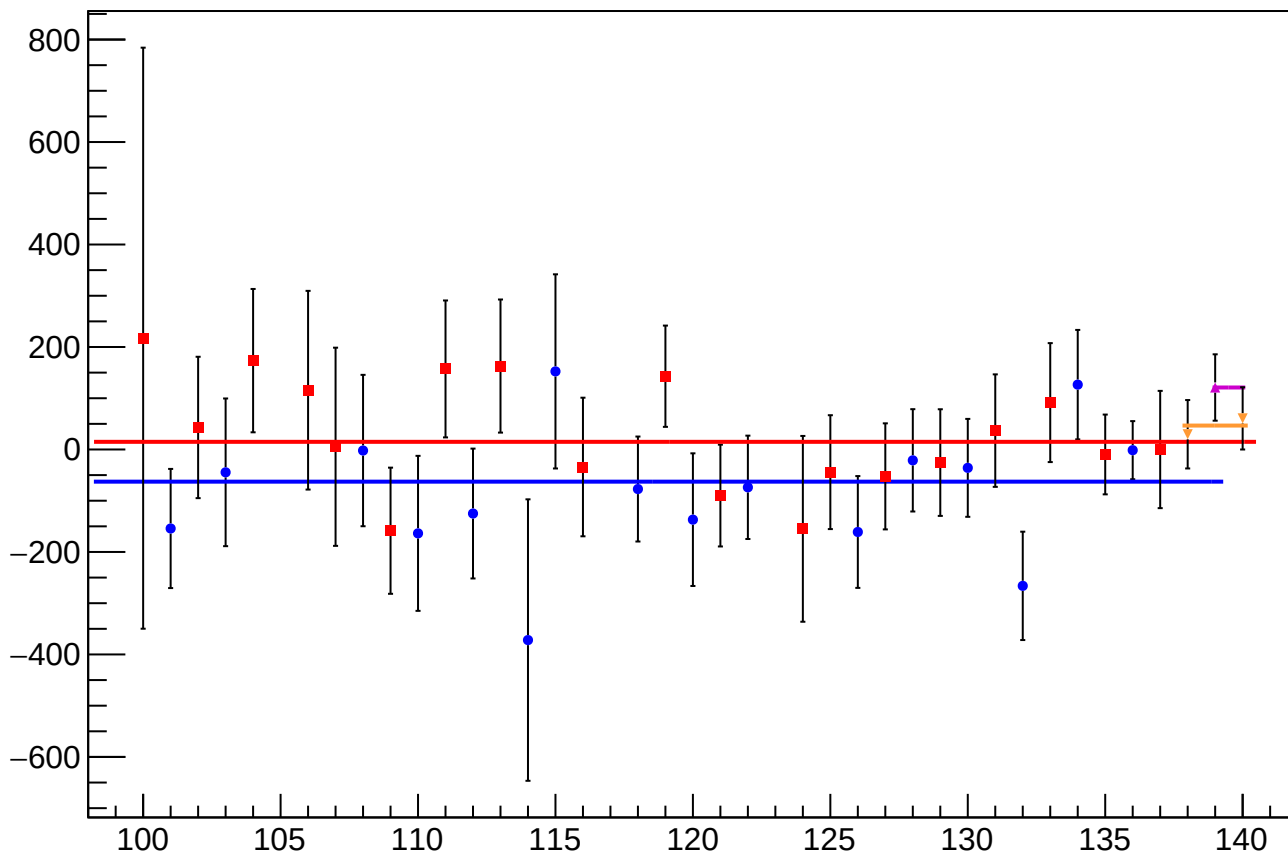
Left In: 425.949+/-0.328 χ^2/NDF : 0.0/0

+ sign 544.460+/-0.141 χ^2/NDF : 2711972.6/17

All: 588.105+/-0.109 χ^2/NDF : 5122214.0/37

- sign 652.600+/-0.171 χ^2/NDF : 2172902.6/19

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 46.672 ± 44.936 χ^2/NDF : 0.1/1

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

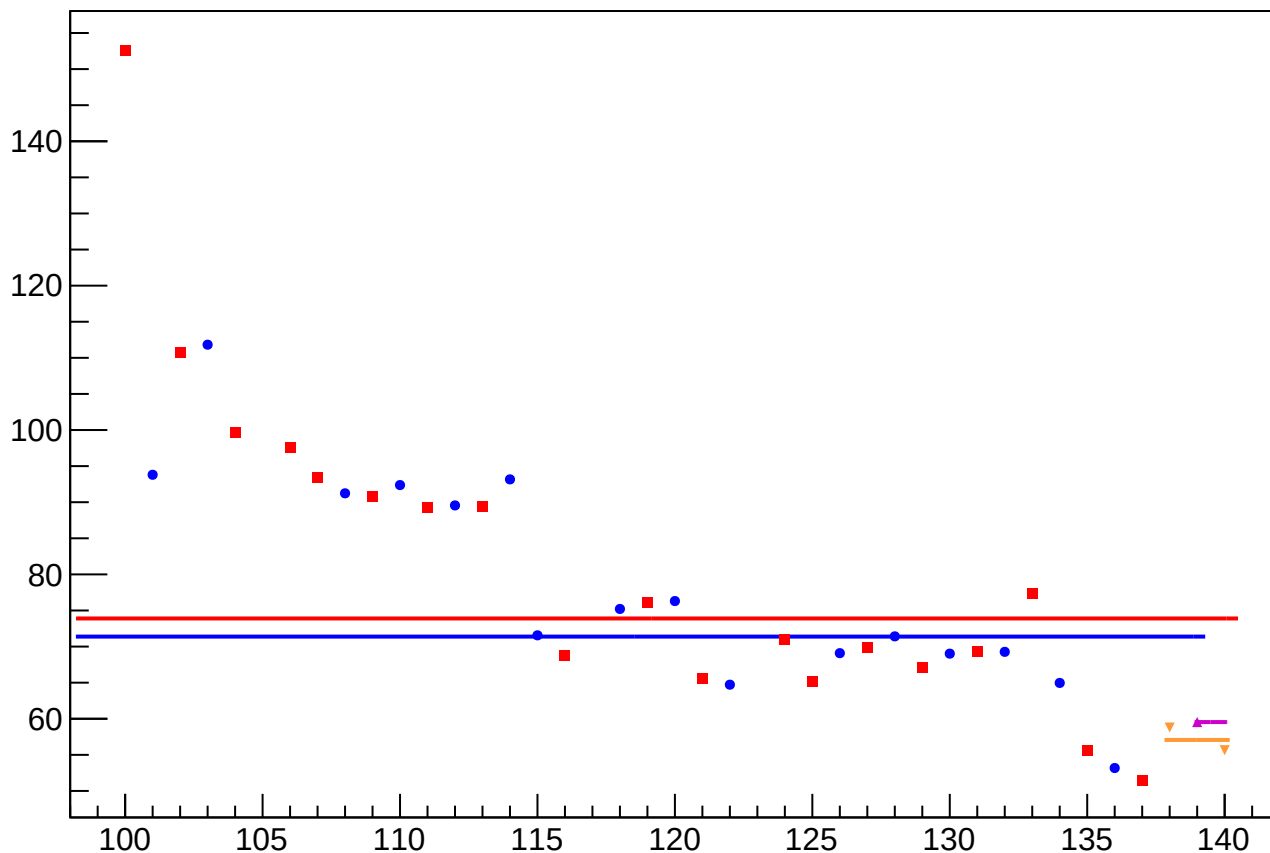
Left In: 120.964 ± 64.767 χ^2/NDF : 0.0/0

+ sign -33.417 ± 23.277 χ^2/NDF : 17.9/17

All: -3.993 ± 17.202 χ^2/NDF : 35.1/37

- sign 31.411 ± 25.533 χ^2/NDF : 13.7/19

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2 /NDF: 590911.7/15

Left Out: 57.065 $\pm$ 0.032 χ^2 /NDF: 2415.0/1

Right Out: 73.894 $\pm$ 0.020 χ^2 /NDF: 627014.3/18

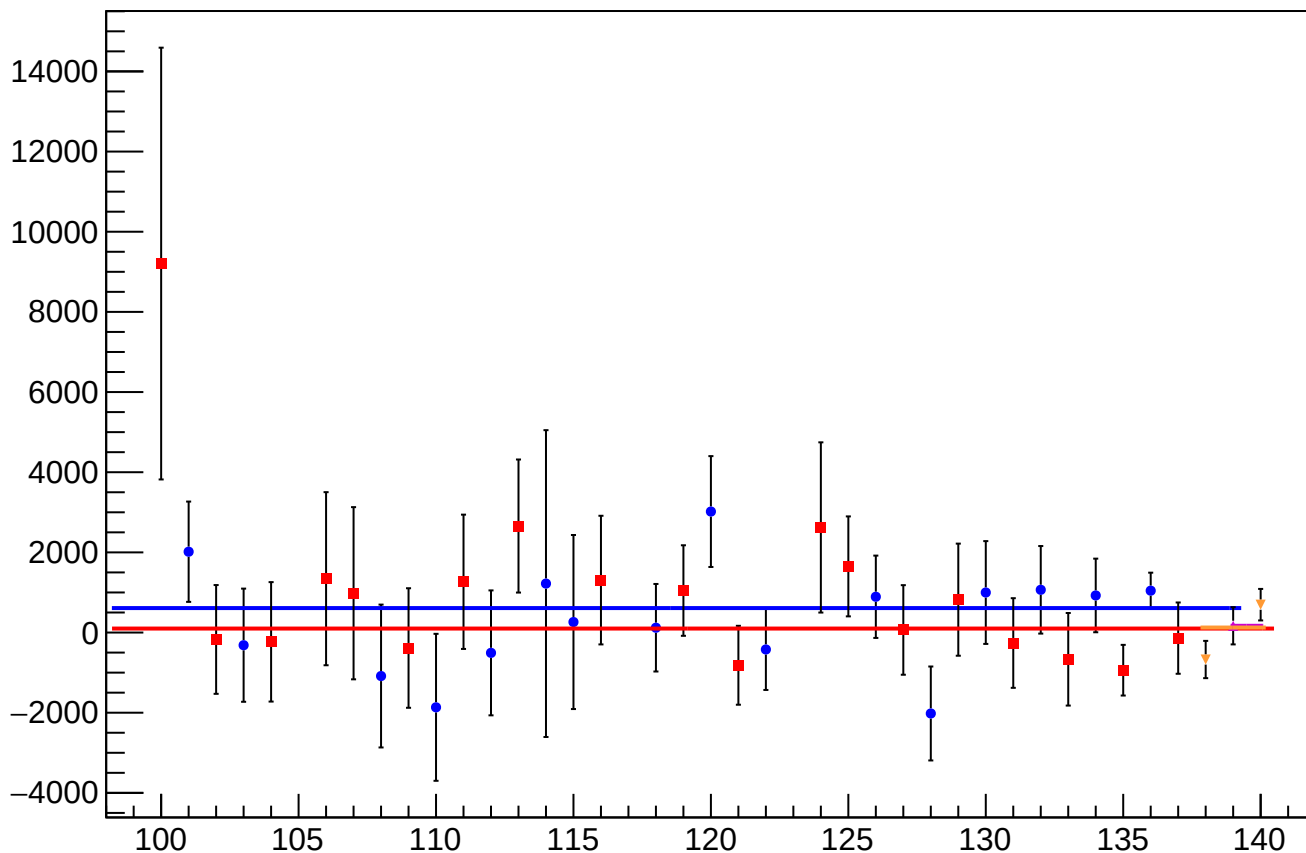
Left In: 59.542 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 67.541 $\pm$ 0.016 χ^2 /NDF: 741895.4/17

All: 69.412 $\pm$ 0.012 χ^2 /NDF: 1480327.9/37

- sign 71.663 $\pm$ 0.018 χ^2 /NDF: 709964.4/19

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549 $\pm$ 266.803 χ^2 /NDF: 15.7/15

Left Out: 124.861 $\pm$ 300.224 χ^2 /NDF: 5.0/1

Right Out: 99.555 $\pm$ 284.831 χ^2 /NDF: 15.1/18

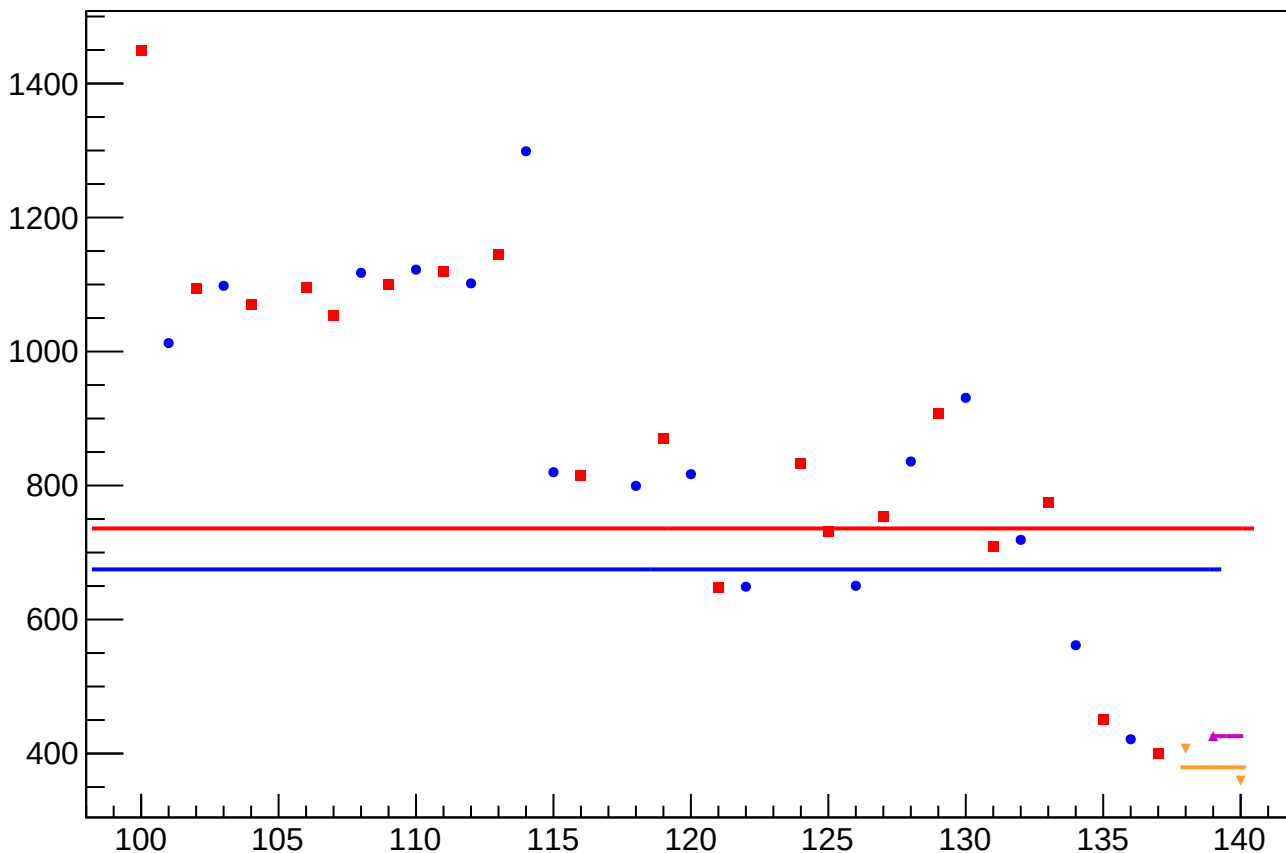
Left In: 168.200 $\pm$ 464.062 χ^2 /NDF: 0.0/0

+ sign 396.234 $\pm$ 199.432 χ^2 /NDF: 22.2/17

All: 284.253 $\pm$ 154.097 χ^2 /NDF: 38.1/37

- sign 118.339 $\pm$ 242.753 χ^2 /NDF: 15.1/19

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF : 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF : 12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

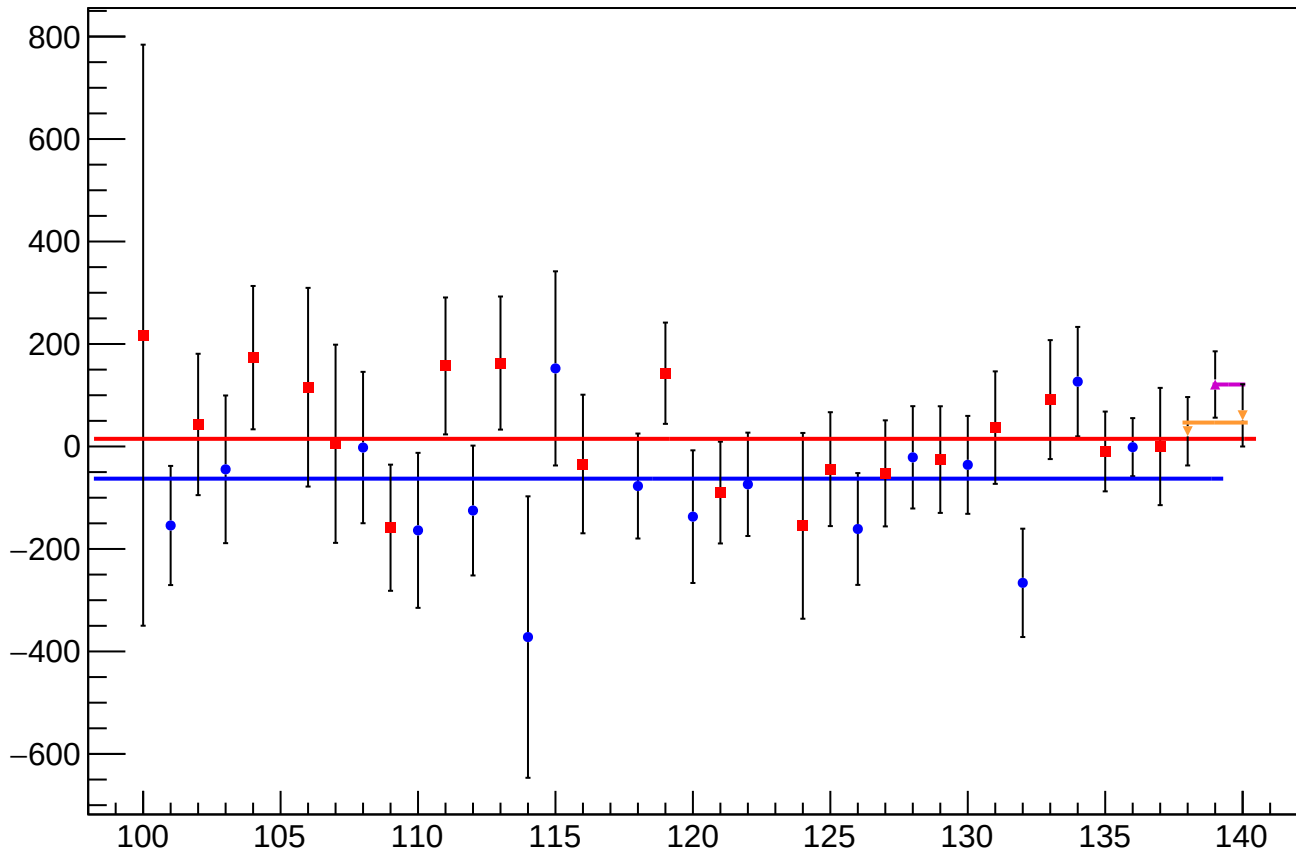
Left In: 425.949+/-0.328 χ^2/NDF : 0.0/0

+ sign 544.460+/-0.141 χ^2/NDF : 2711999.6/17

All: 587.432+/-0.109 χ^2/NDF : 5087551.2/37

- sign 651.100+/-0.172 χ^2/NDF : 2145118.2/19

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 46.672 ± 44.936 χ^2/NDF : 0.1/1

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

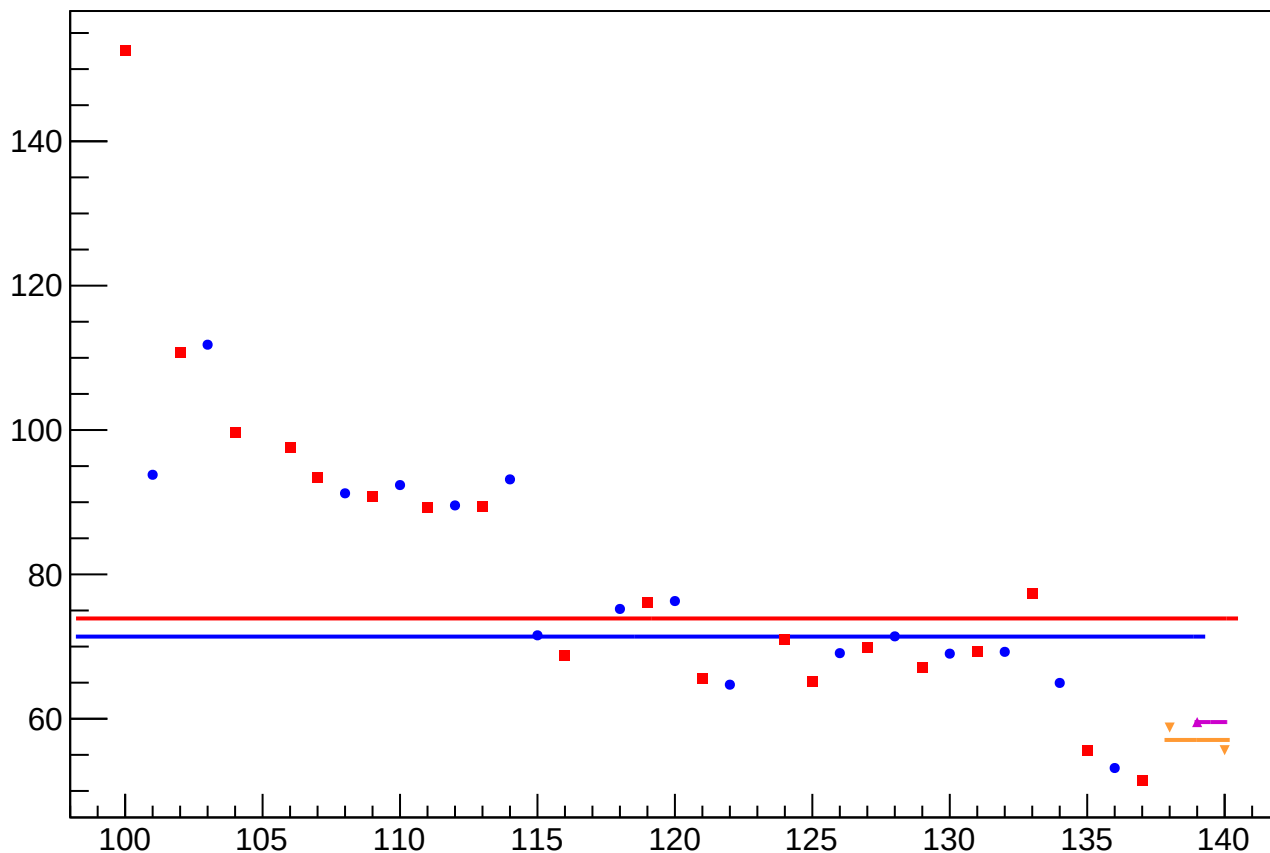
Left In: 120.964 ± 64.767 χ^2/NDF : 0.0/0

+ sign -33.417 ± 23.277 χ^2/NDF : 17.9/17

All: -3.993 ± 17.202 χ^2/NDF : 35.1/37

- sign 31.411 ± 25.533 χ^2/NDF : 13.7/19

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2 /NDF: 590911.7/15

Left Out: 57.065 $\pm$ 0.032 χ^2 /NDF: 2415.0/1

Right Out: 73.894 $\pm$ 0.020 χ^2 /NDF: 627014.3/18

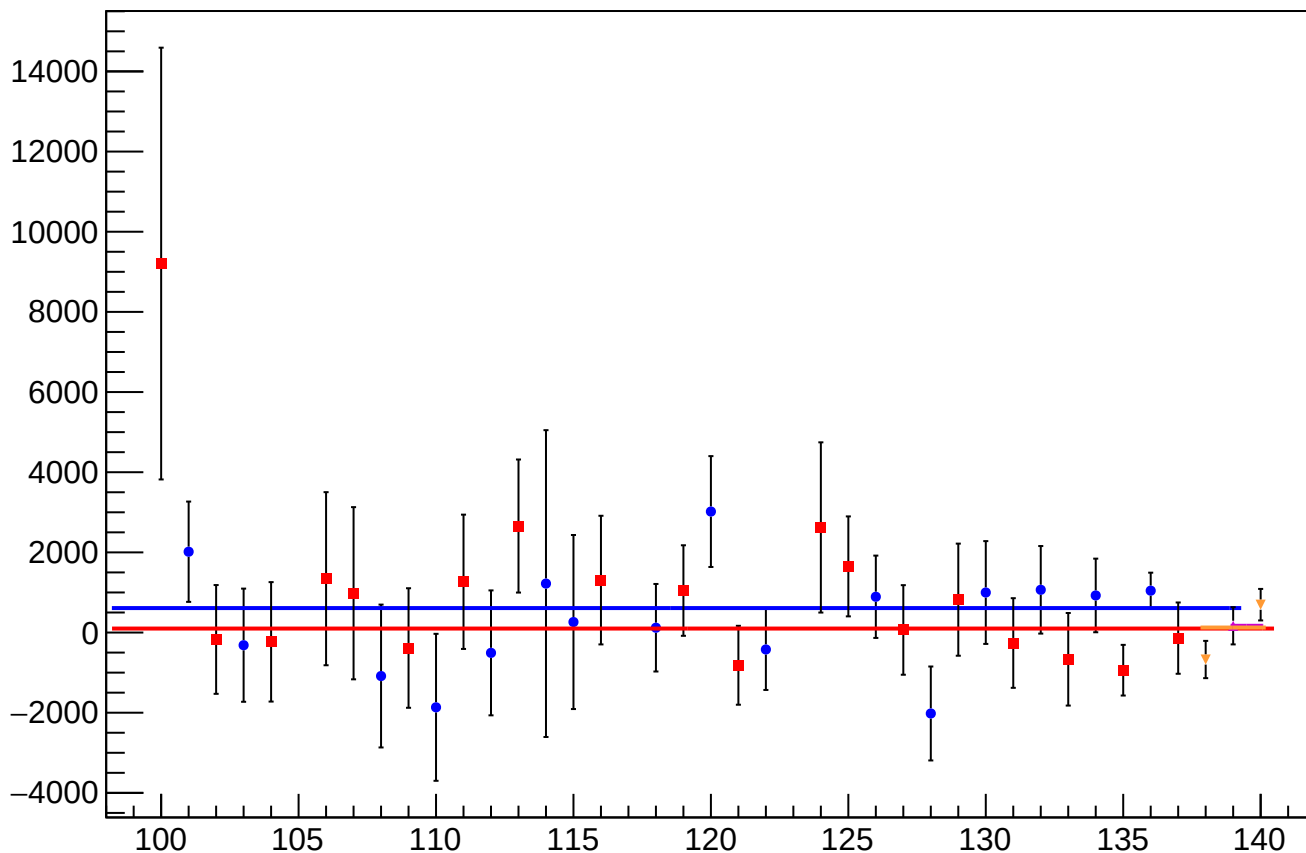
Left In: 59.542 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 67.541 $\pm$ 0.016 χ^2 /NDF: 741895.4/17

All: 69.412 $\pm$ 0.012 χ^2 /NDF: 1480327.9/37

- sign 71.663 $\pm$ 0.018 χ^2 /NDF: 709964.4/19

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549 $\pm$ 266.803 χ^2 /NDF: 15.7/15

Left Out: 124.861 $\pm$ 300.224 χ^2 /NDF:5.0/1

Right Out: 99.555 $\pm$ 284.831 χ^2 /NDF: 15.1/18

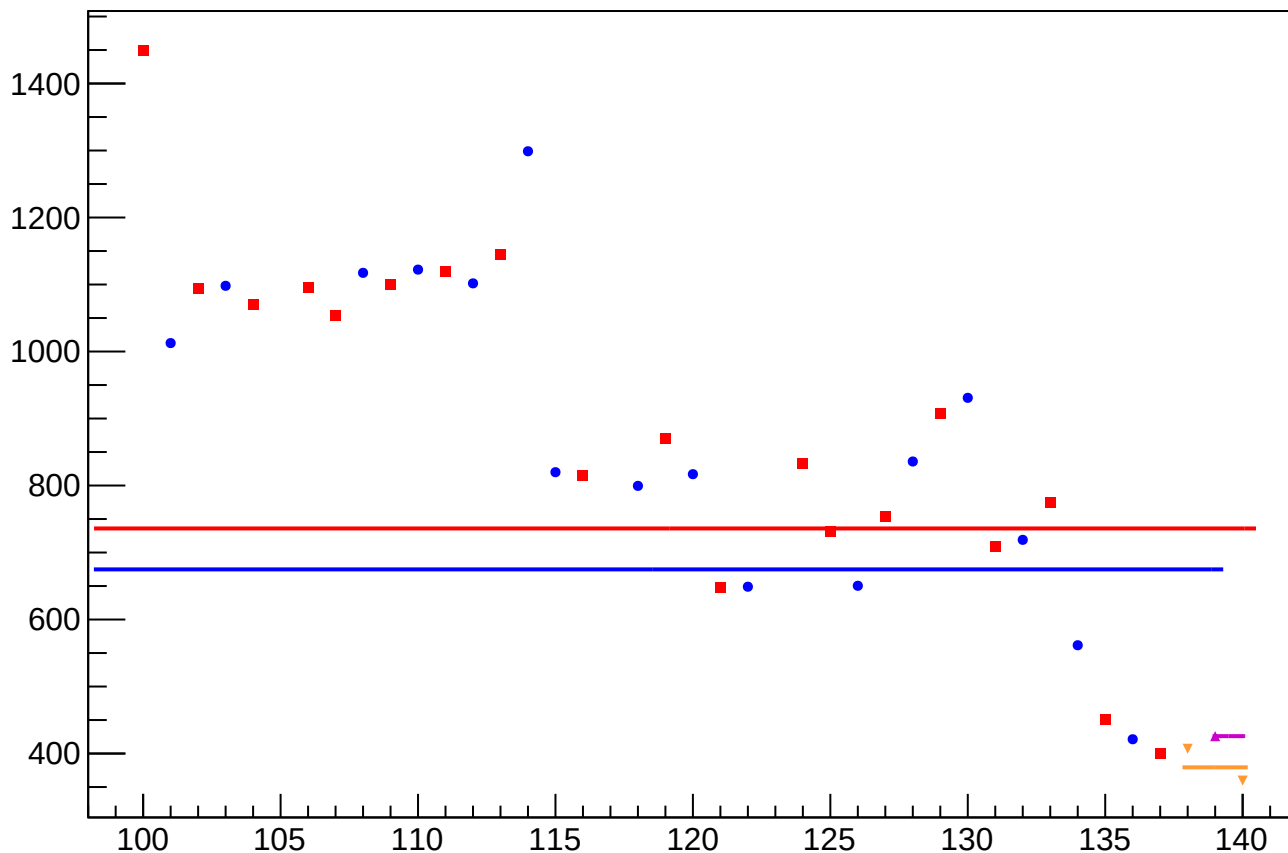
Left In: 168.200 $\pm$ 464.062 χ^2 /NDF:0.0/0

+ sign 396.234 $\pm$ 199.432 χ^2 /NDF: 22.2/17

All: 284.253 $\pm$ 154.097 χ^2 /NDF: 38.1/37

- sign 118.339 $\pm$ 242.753 χ^2 /NDF: 15.1/19

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF : 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF : 12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

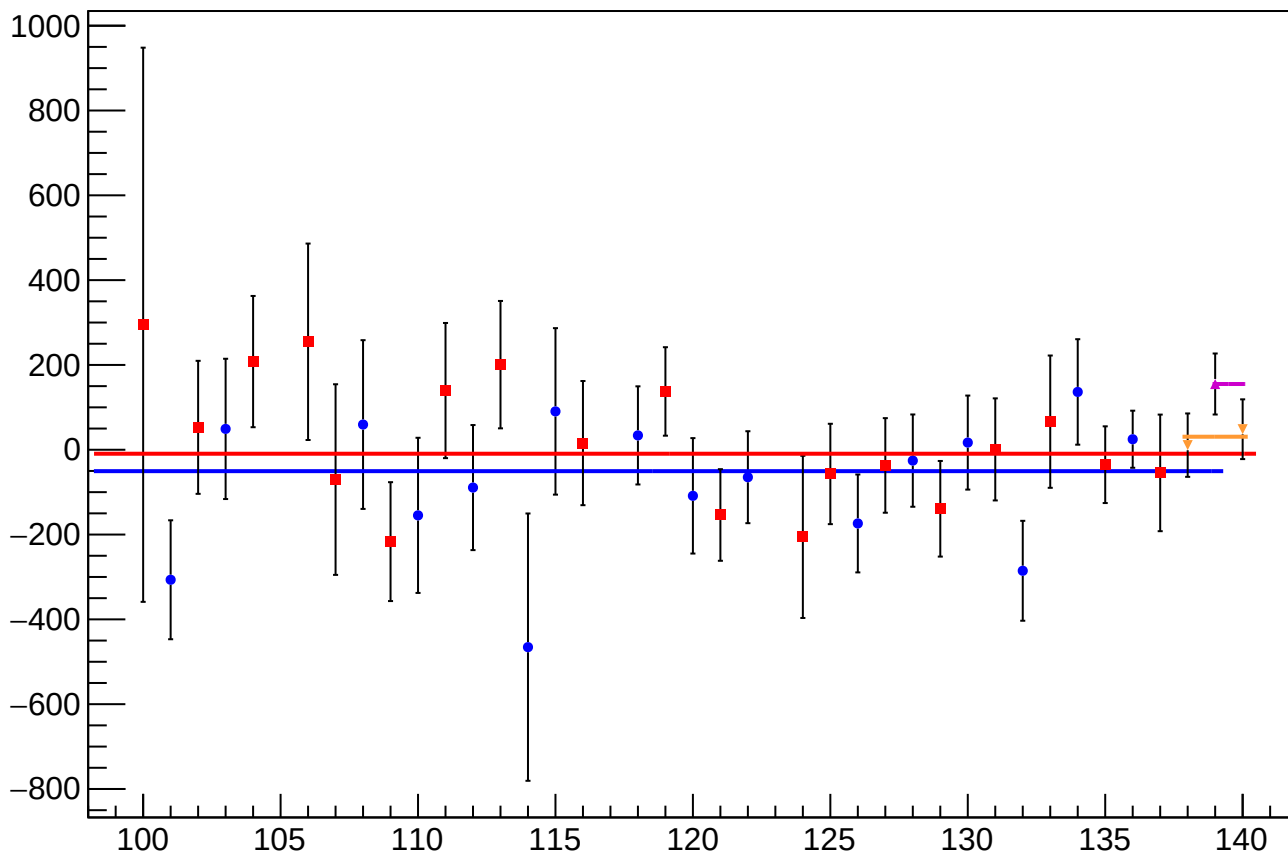
Left In: 425.949+/-0.328 χ^2/NDF : 0.0/0

+ sign 544.460+/-0.141 χ^2/NDF : 2711999.6/17

All: 587.432+/-0.109 χ^2/NDF : 5087551.2/37

- sign 651.100+/-0.172 χ^2/NDF : 2145118.2/19

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465 ± 31.061 χ^2/NDF : 16.4/15

Left Out: 30.740 ± 51.274 χ^2/NDF : 0.1/1

Right Out: -9.380 ± 31.235 χ^2/NDF : 15.6/18

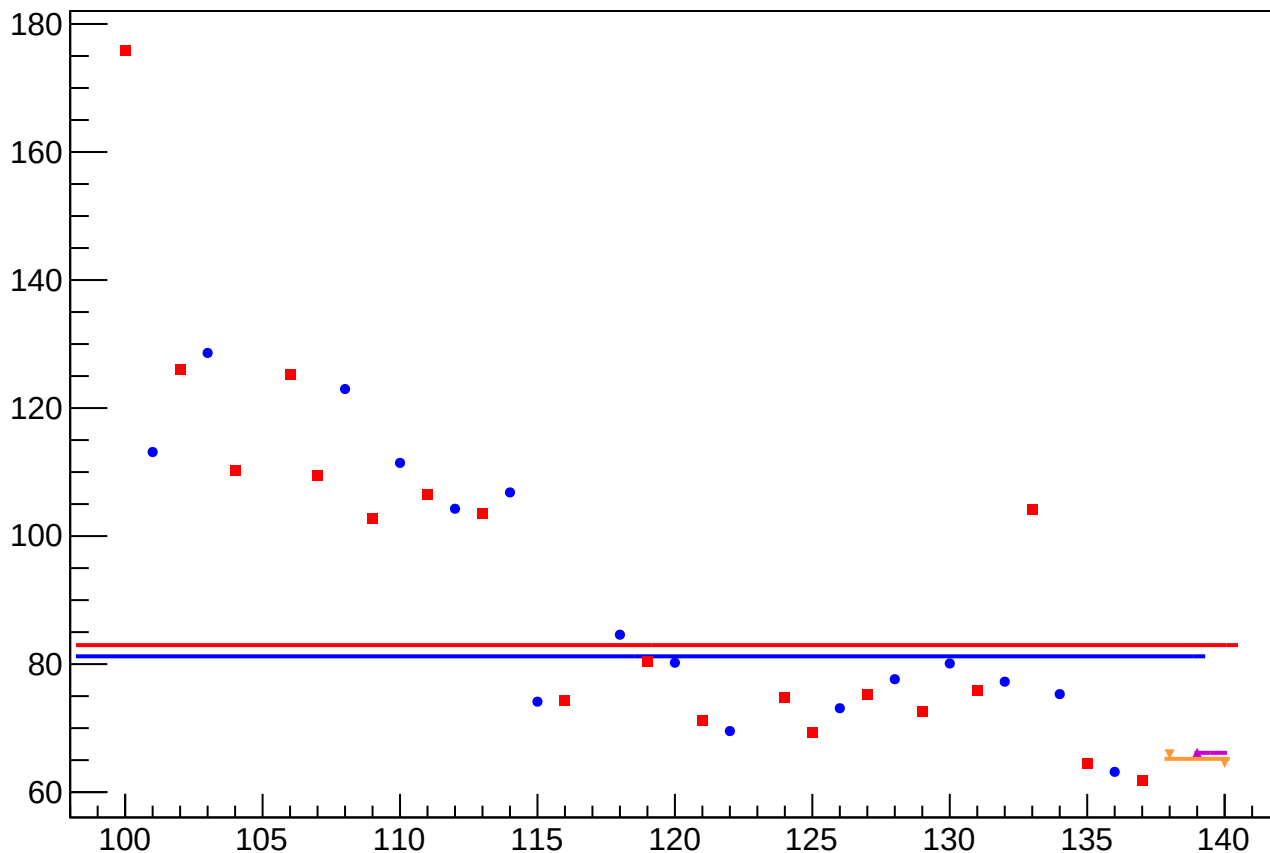
Left In: 155.051 ± 71.947 χ^2/NDF : 0.0/0

+ sign -28.665 ± 26.567 χ^2/NDF : 18.4/17

All: -7.694 ± 19.481 χ^2/NDF : 39.7/37

- sign 16.696 ± 28.651 χ^2/NDF : 20.0/19

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218 ± 0.022 $\chi^2/\text{NDF}: 662873.6/15$

Left Out: 65.201 ± 0.036 $\chi^2/\text{NDF}: 335.5/1$

Right Out: 82.971 ± 0.022 $\chi^2/\text{NDF}: 730384.9/18$

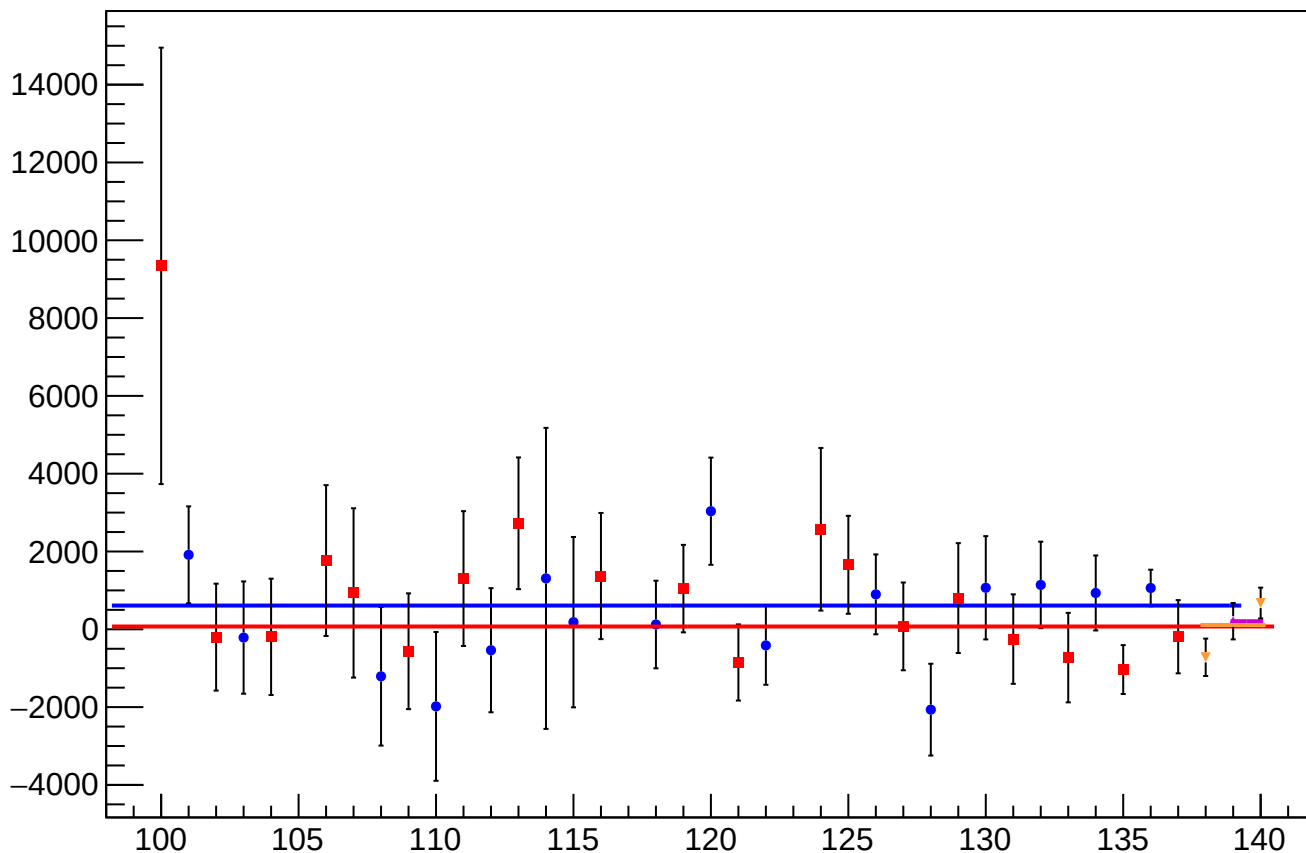
Left In: 66.146 ± 0.051 $\chi^2/\text{NDF}: 0.0/0$

+ sign 76.918 ± 0.019 $\chi^2/\text{NDF}: 805981.4/17$

All: 78.483 ± 0.014 $\chi^2/\text{NDF}: 1643400.3/37$

- sign 80.303 ± 0.020 $\chi^2/\text{NDF}: 822411.1/19$

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383 $\pm$ 273.982 χ^2 /NDF: 15.8/15

Left Out: 110.976 $\pm$ 305.635 χ^2 /NDF:5.0/1

Right Out: 72.311 $\pm$ 286.830 χ^2 /NDF: 16.2/18

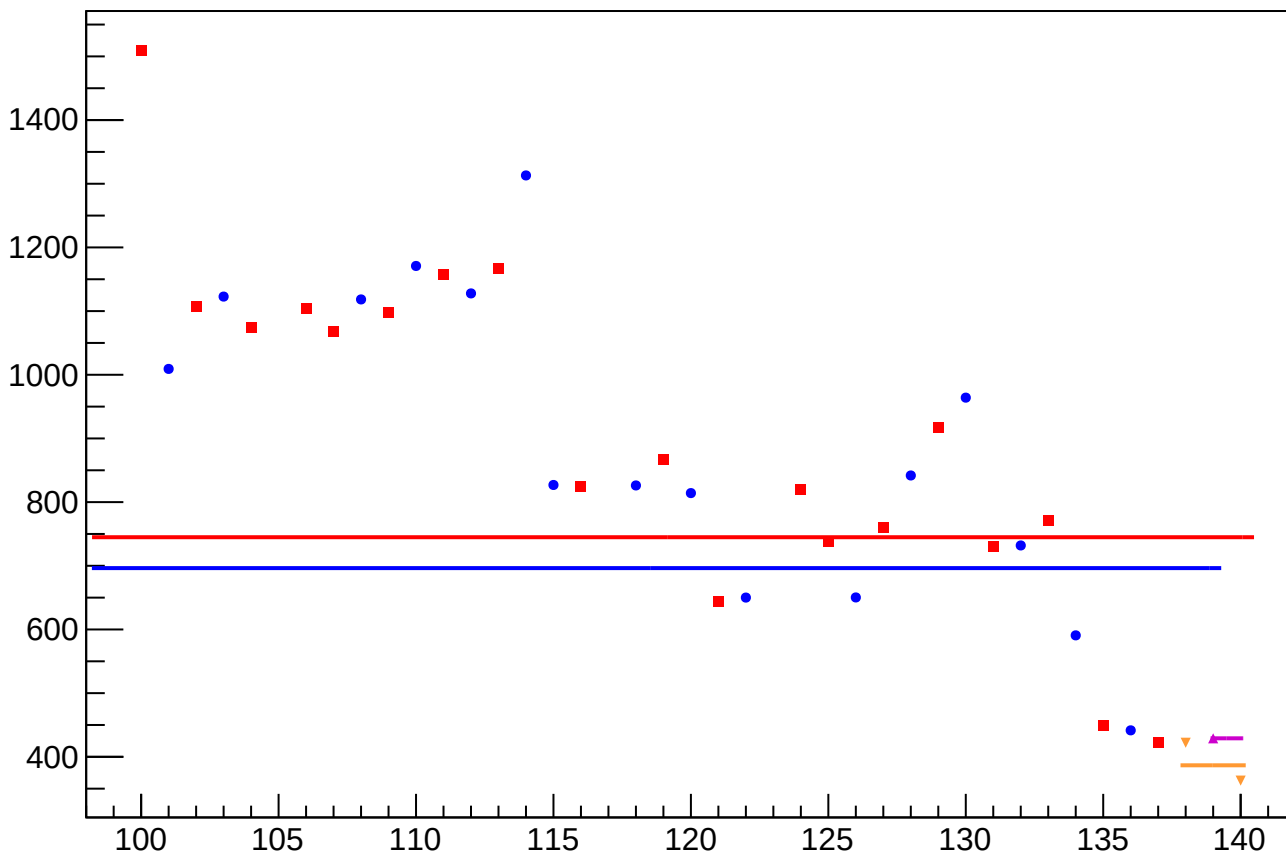
Left In: 208.214 $\pm$ 467.717 χ^2 /NDF:0.0/0

+ sign 387.871 $\pm$ 204.010 χ^2 /NDF: 22.3/17

All: 273.601 $\pm$ 156.647 χ^2 /NDF: 39.3/37

- sign 109.453 $\pm$ 244.513 χ^2 /NDF: 16.2/19

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF : 1515478.0/15

Left Out: 386.674+/-0.216 χ^2/NDF : 18246.5/1

Right Out: 744.875+/-0.203 χ^2/NDF : 1498361.7/18

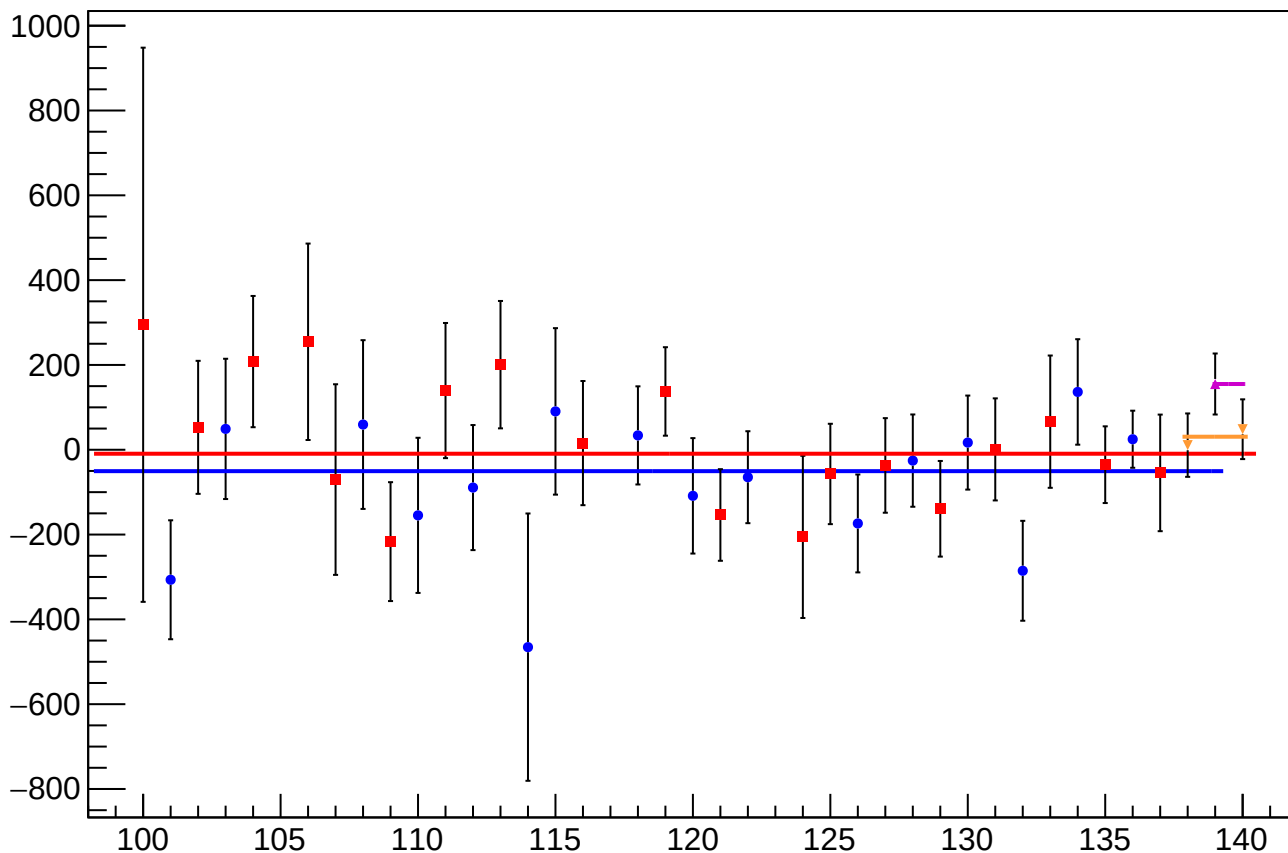
Left In: 429.050+/-0.331 χ^2/NDF : 0.0/0

+ sign 558.385+/-0.144 χ^2/NDF : 2672294.7/17

All: 599.499+/-0.111 χ^2/NDF : 5031266.6/37

- sign 658.560+/-0.173 χ^2/NDF : 2161053.5/19

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466 ± 31.061 χ^2/NDF : 16.4/15

Left Out: 30.742 ± 51.274 χ^2/NDF : 0.1/1

Right Out: -9.381 ± 31.235 χ^2/NDF : 15.6/18

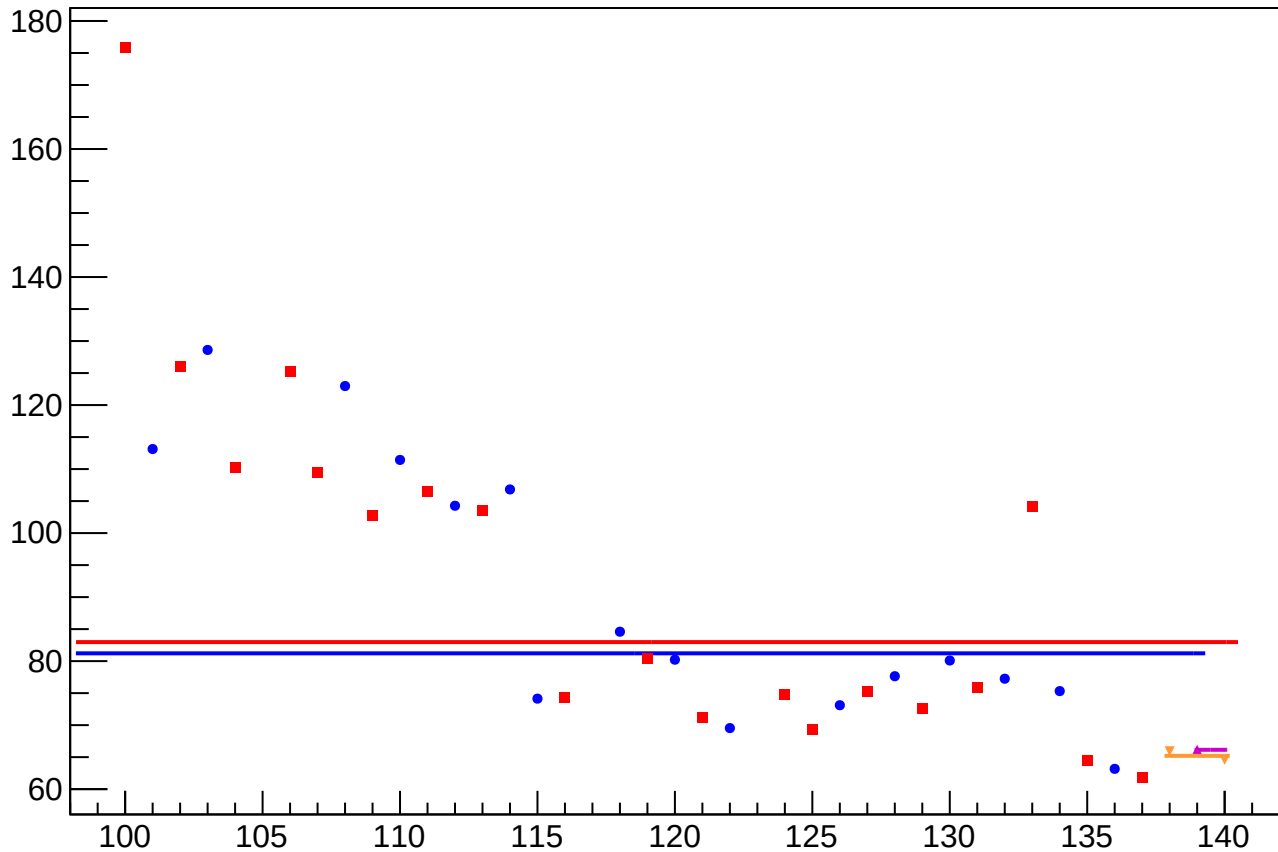
Left In: 155.047 ± 71.947 χ^2/NDF : 0.0/0

+ sign -28.665 ± 26.567 χ^2/NDF : 18.4/17

All: -7.695 ± 19.481 χ^2/NDF : 39.7/37

- sign 16.695 ± 28.651 χ^2/NDF : 20.0/19

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218 $\pm$ 0.022 χ^2 /NDF: 662862.1/15

Left Out: 65.201 $\pm$ 0.036 χ^2 /NDF: 335.4/1

Right Out: 82.971 $\pm$ 0.022 χ^2 /NDF: 730375.6/18

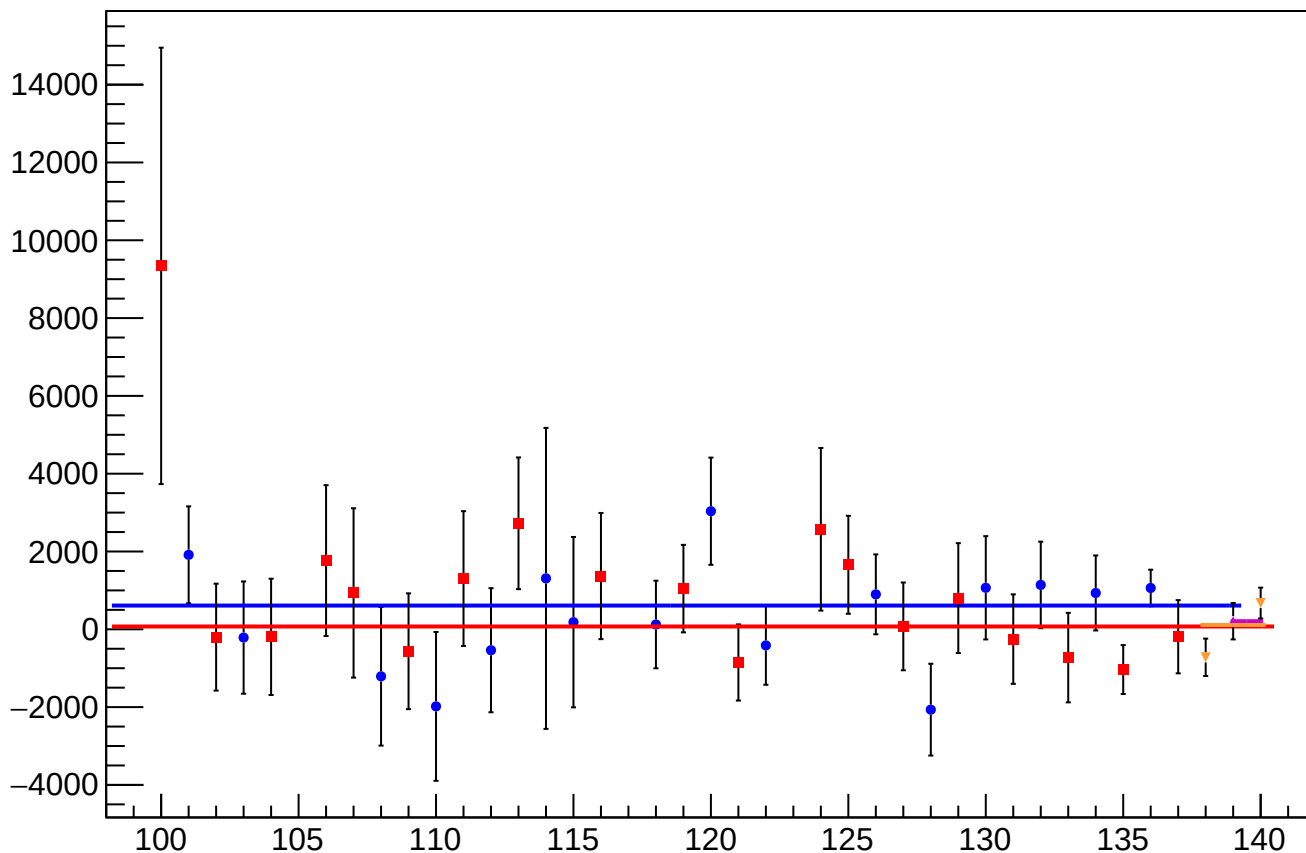
Left In: 66.146 $\pm$ 0.051 χ^2 /NDF: 0.0/0

+ sign 76.918 $\pm$ 0.019 χ^2 /NDF: 805956.4/17

All: 78.483 $\pm$ 0.014 χ^2 /NDF: 1643360.7/37

- sign 80.303 $\pm$ 0.020 χ^2 /NDF: 822396.2/19

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382 $\pm$ 273.981 χ^2 /NDF: 15.8/15

Left Out: 110.974 $\pm$ 305.636 χ^2 /NDF: 5.0/1

Right Out: 72.313 $\pm$ 286.830 χ^2 /NDF: 16.2/18

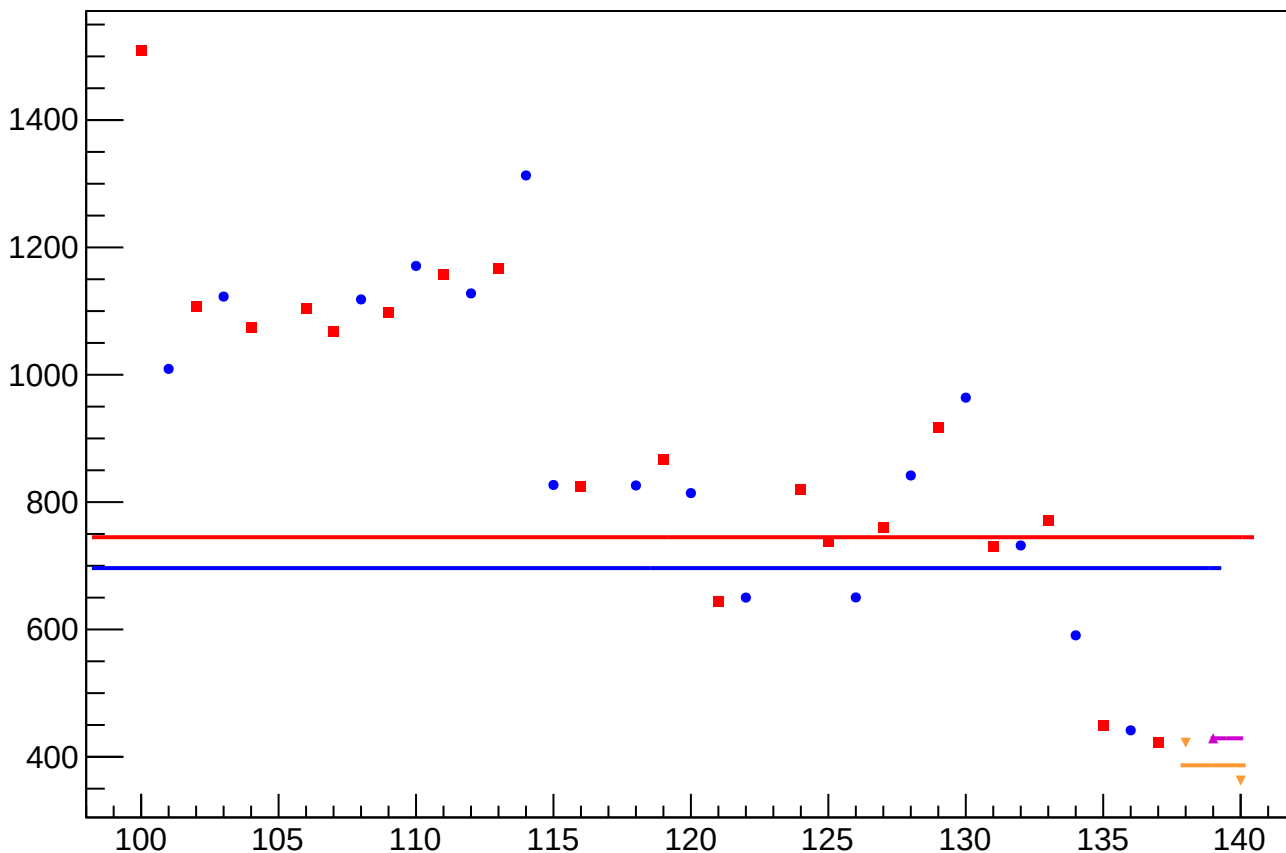
Left In: 208.208 $\pm$ 467.716 χ^2 /NDF: 0.0/0

+ sign 387.871 $\pm$ 204.010 χ^2 /NDF: 22.3/17

All: 273.600 $\pm$ 156.646 χ^2 /NDF: 39.3/37

- sign 109.453 $\pm$ 244.513 χ^2 /NDF: 16.2/19

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 696.370+/-0.194 χ^2/NDF : 1515461.8/15

Left Out: 386.674+/-0.216 χ^2/NDF : 18245.3/1

Right Out: 744.874+/-0.203 χ^2/NDF : 1498349.6/18

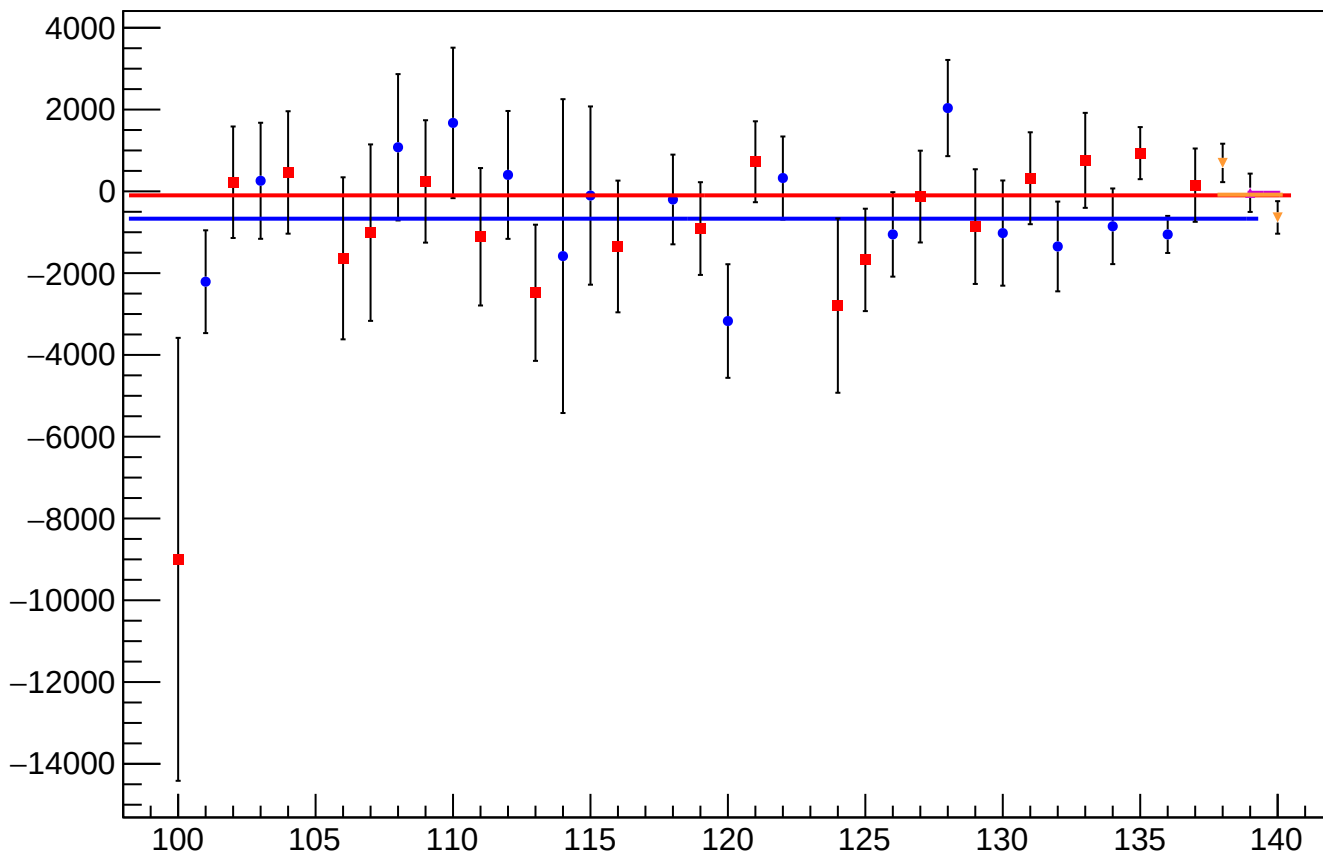
Left In: 429.048+/-0.331 χ^2/NDF : 0.0/0

+ sign 558.385+/-0.144 χ^2/NDF : 2672263.7/17

All: 599.499+/-0.111 χ^2/NDF : 5031222.1/37

- sign 658.559+/-0.173 χ^2/NDF : 2161046.9/19

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503 ± 268.452 χ^2/NDF : 16.1/15

Left Out: -81.089 ± 303.626 χ^2/NDF : 4.7/1

Right Out: -98.003 ± 285.882 χ^2/NDF : 14.8/18

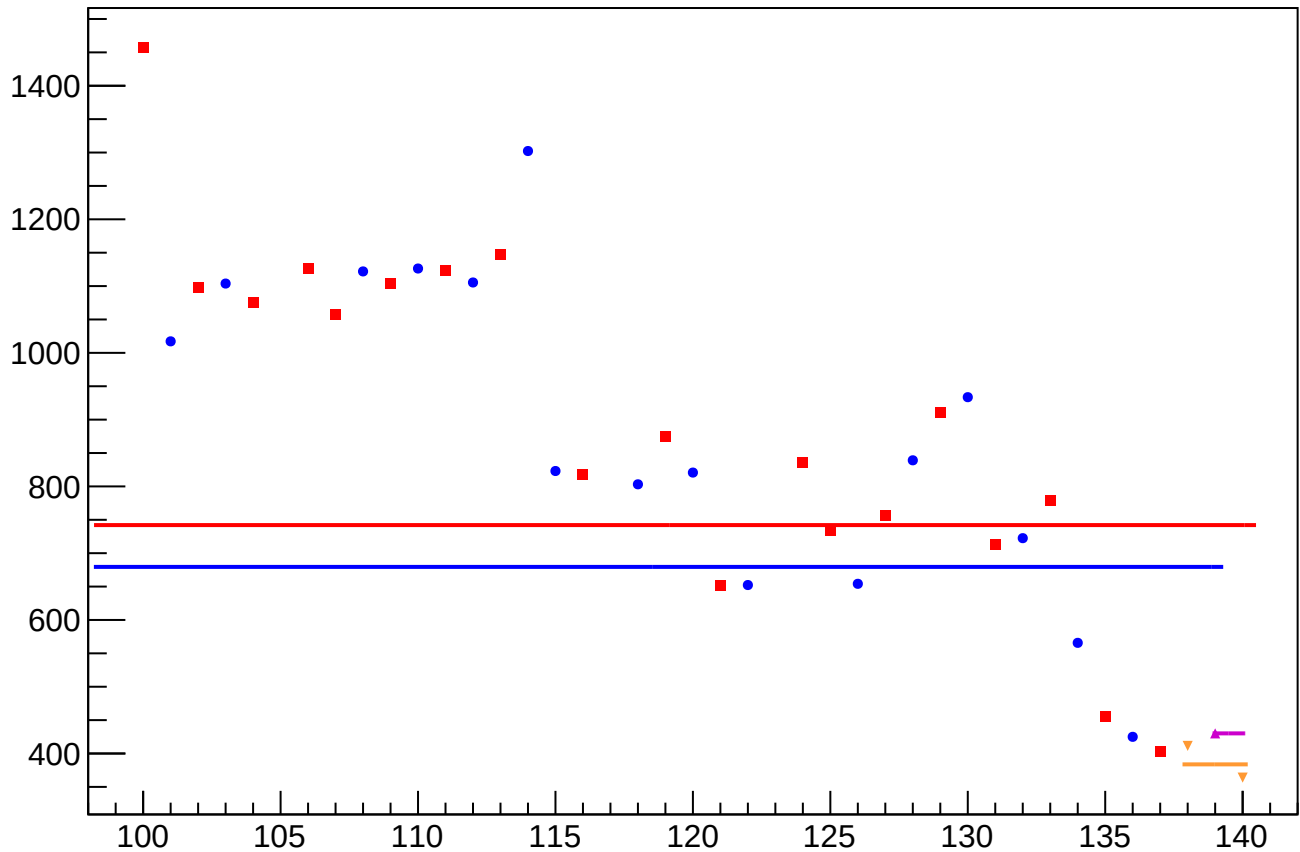
Left In: -34.876 ± 468.601 χ^2/NDF : 0.0/0

+ sign -410.776 ± 201.116 χ^2/NDF : 22.9/17

All: -277.352 ± 155.206 χ^2/NDF : 38.8/37

- sign -80.881 ± 244.050 χ^2/NDF : 14.8/19

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF : 1600922.1/15

Left Out: 383.736+/-0.215 χ^2/NDF :11893.5/1

Right Out: 742.081+/-0.202 χ^2/NDF : 1504391.2/18

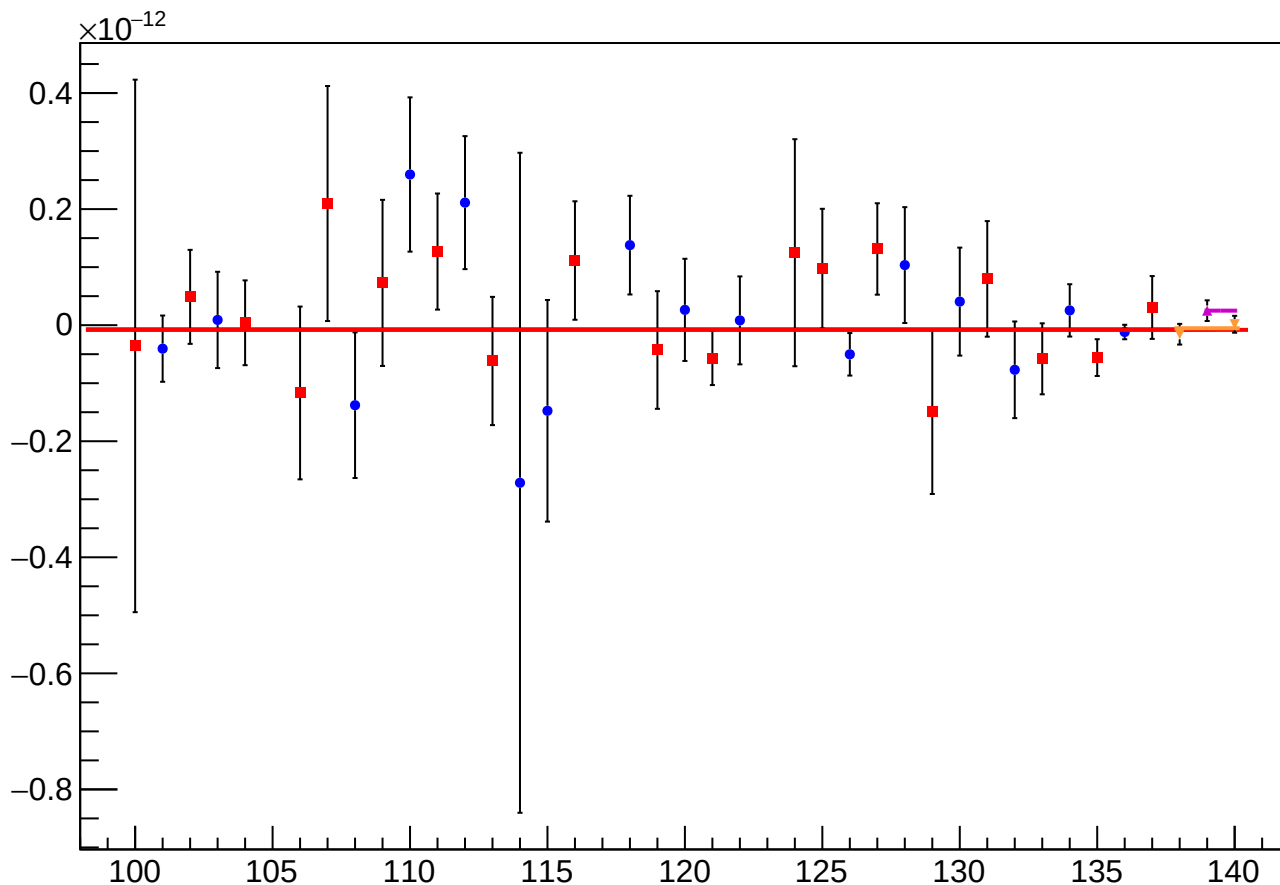
Left In: 430.139+/-0.331 χ^2/NDF :0.0/0

+ sign 549.717+/-0.142 χ^2/NDF : 2677717.3/17

All: 593.297+/-0.110 χ^2/NDF : 5060191.1/37

- sign 657.470+/-0.173 χ^2/NDF : 2150276.1/19

asym_sam_15_26_dd_reg_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: 0.6/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 17.0/18

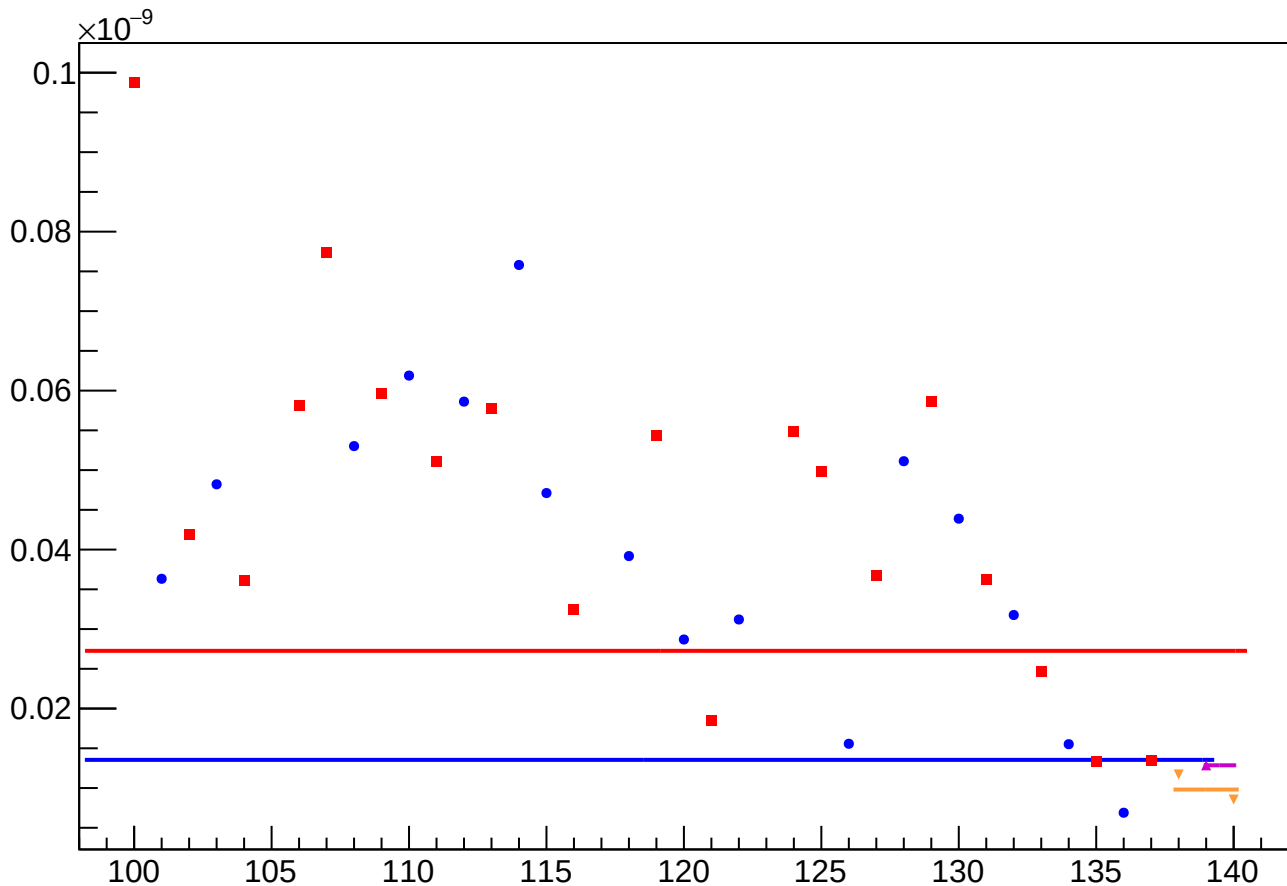
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign -0.000+/-0.000 χ^2 /NDF: 17.8/17

All: -0.000+/-0.000 χ^2 /NDF: 37.5/37

- sign 0.000+/-0.000 χ^2 /NDF: 18.8/19

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3045220.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:37652.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1735739.6/18

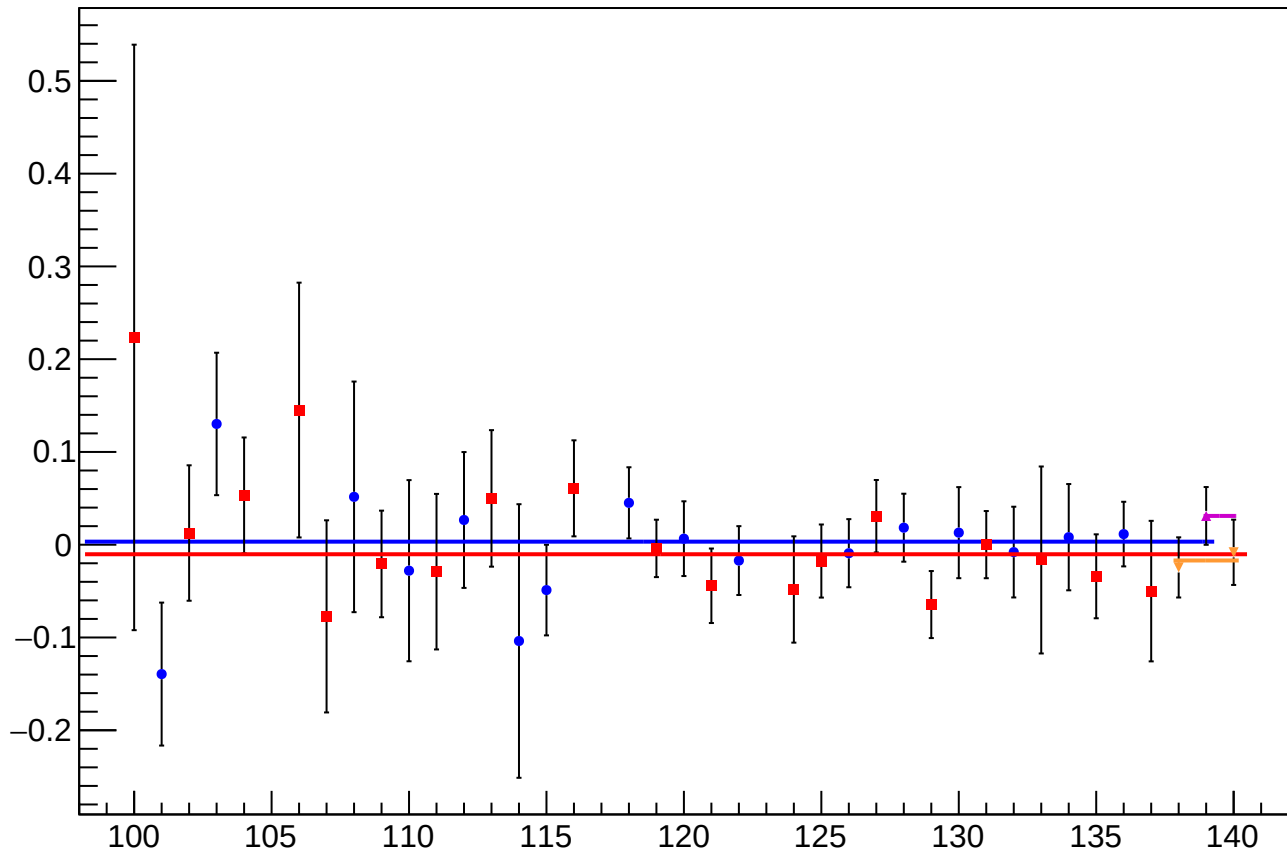
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3200864.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6278694.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2407603.3/19

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: -0.017 ± 0.024 χ^2/NDF : 0.1/1

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

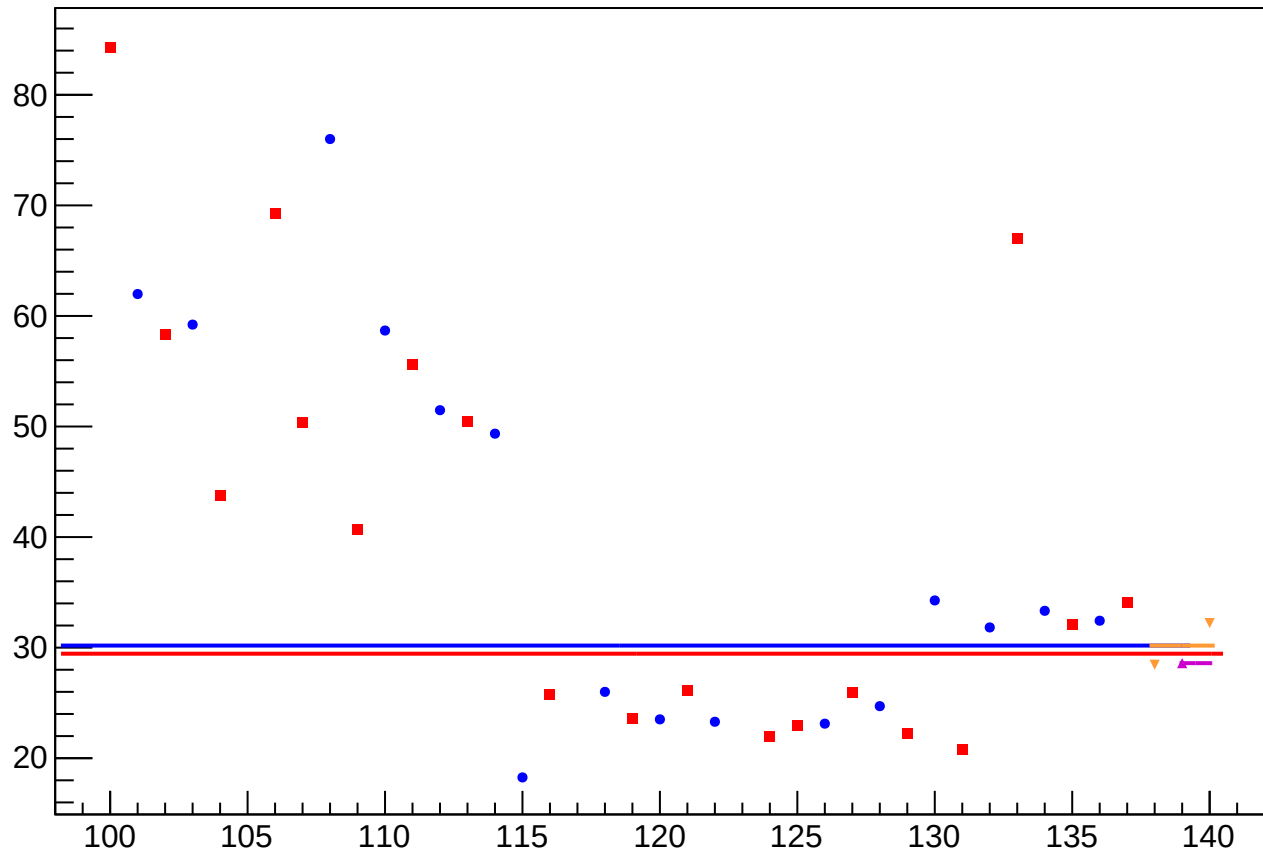
Left In: 0.031 ± 0.031 χ^2/NDF : 0.0/0

+ sign -0.001 ± 0.011 χ^2/NDF : 10.8/17

All: -0.003 ± 0.008 χ^2/NDF : 23.7/37

- sign -0.005 ± 0.011 χ^2/NDF : 12.8/19

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: 30.184+/-0.017 χ^2/NDF :12401.7/1

Right Out: 29.451+/-0.008 χ^2/NDF : 1848636.5/18

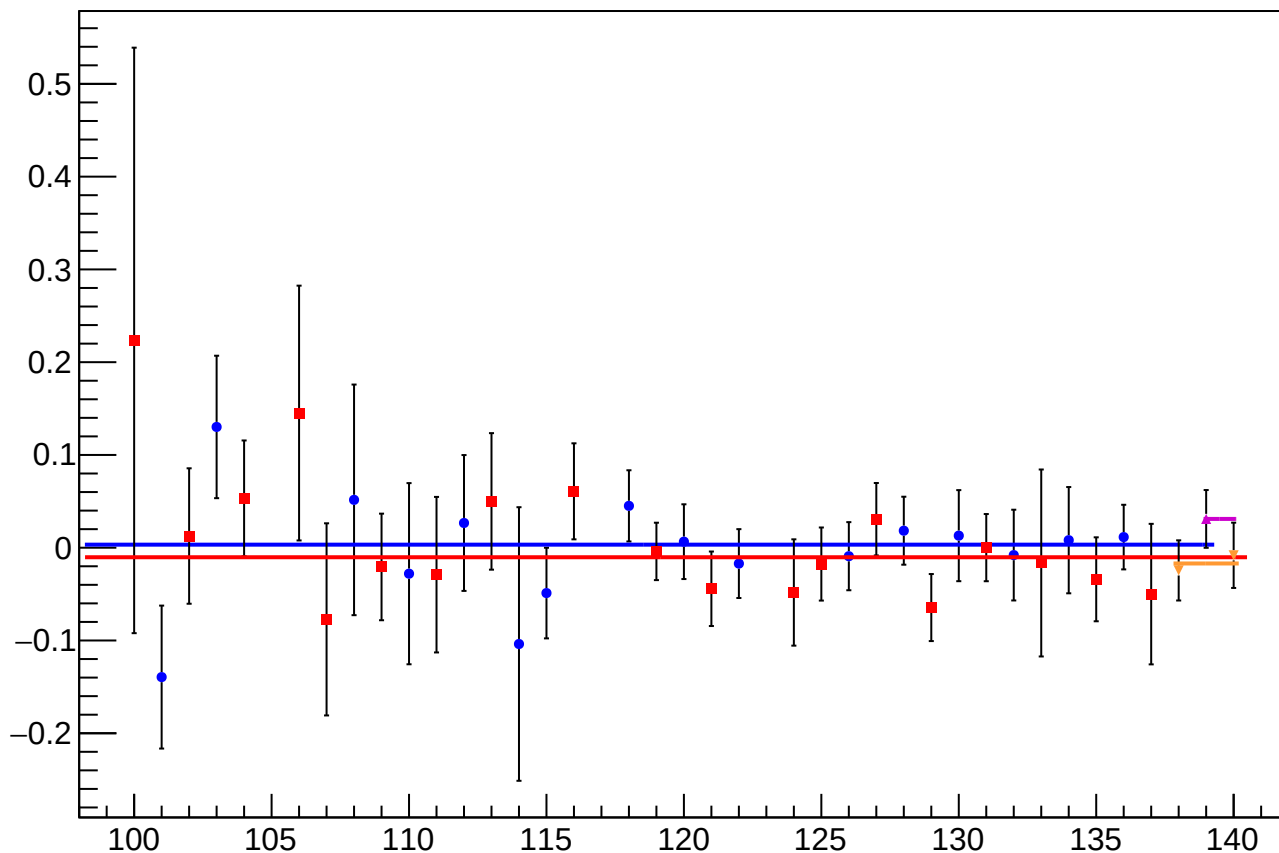
Left In: 28.596+/-0.022 χ^2/NDF :0.0/0

+ sign 30.186+/-0.008 χ^2/NDF : 1699775.2/17

All: 29.770+/-0.005 χ^2/NDF : 3555616.0/37

- sign 29.344+/-0.008 χ^2/NDF : 1849957.1/19

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.012 χ^2 /NDF: 10.1/15

Left Out: -0.017 $\pm$ 0.024 χ^2 /NDF: 0.1/1

Right Out: -0.010 $\pm$ 0.012 χ^2 /NDF: 11.2/18

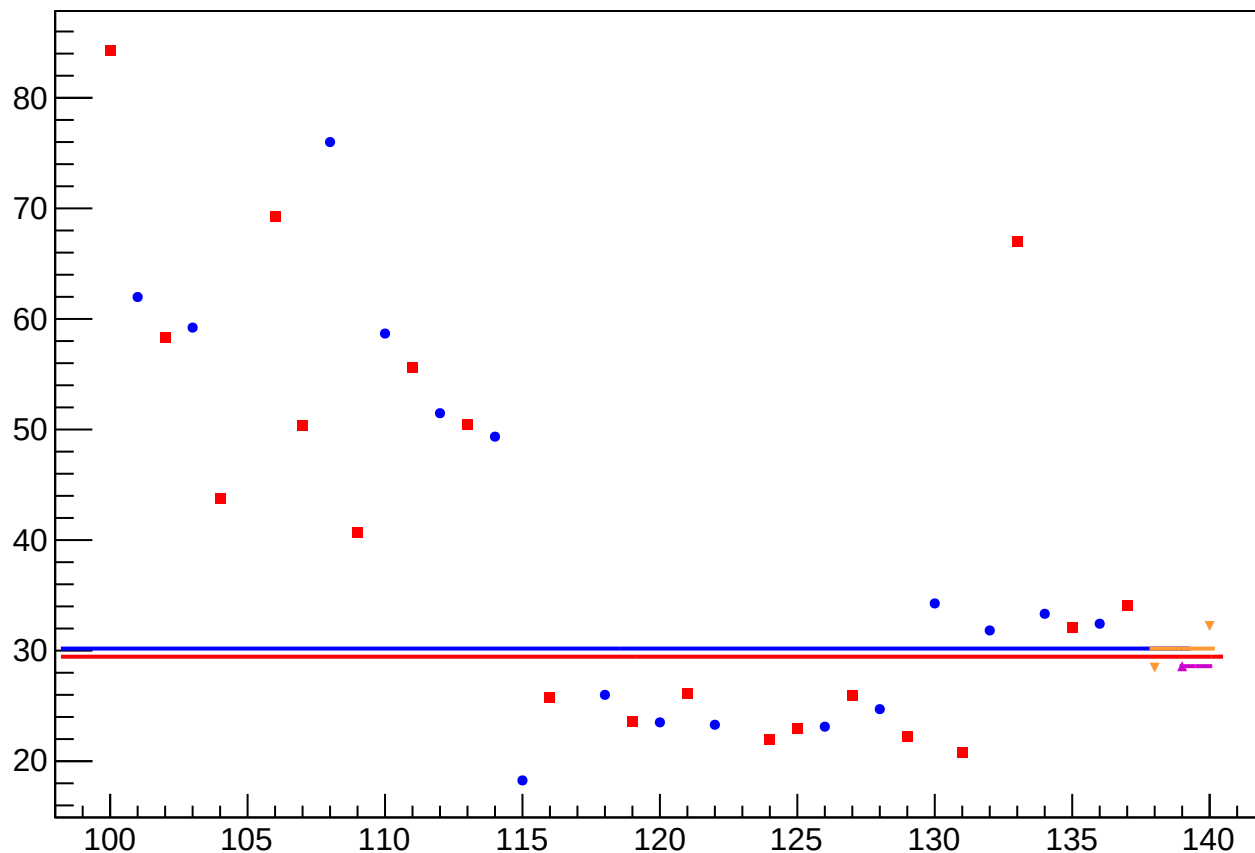
Left In: 0.031 $\pm$ 0.031 χ^2 /NDF: 0.0/0

+ sign -0.001 $\pm$ 0.011 χ^2 /NDF: 10.8/17

All: -0.003 $\pm$ 0.008 χ^2 /NDF: 23.7/37

- sign -0.005 $\pm$ 0.011 χ^2 /NDF: 12.8/19

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF : 1687373.5/15

Left Out: 30.184+/-0.017 χ^2/NDF :12401.7/1

Right Out: 29.451+/-0.008 χ^2/NDF : 1848636.5/18

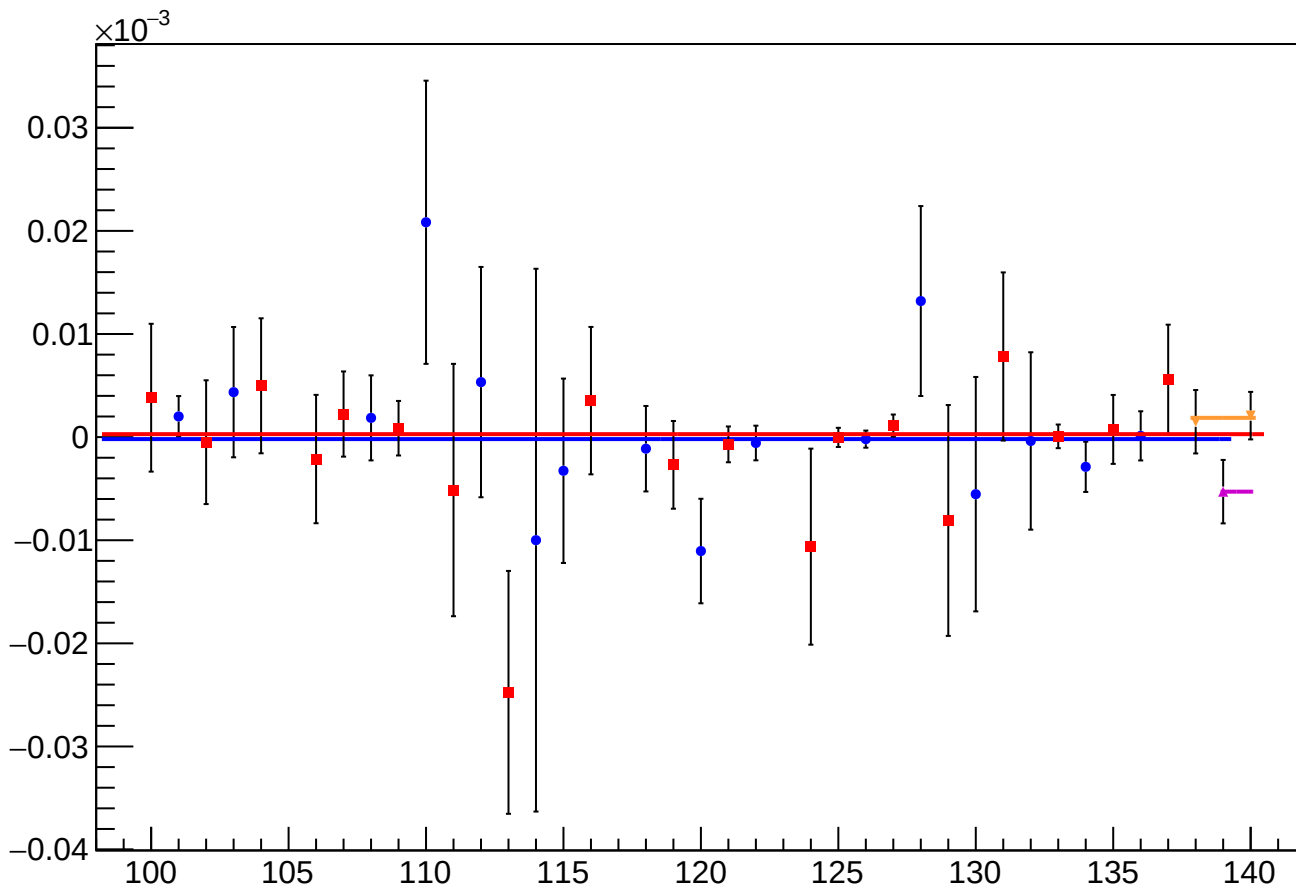
Left In: 28.596+/-0.022 χ^2/NDF :0.0/0

+ sign 30.186+/-0.008 χ^2/NDF : 1699775.2/17

All: 29.770+/-0.005 χ^2/NDF : 3555616.0/37

- sign 29.344+/-0.008 χ^2/NDF : 1849957.1/19

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 11.4/18

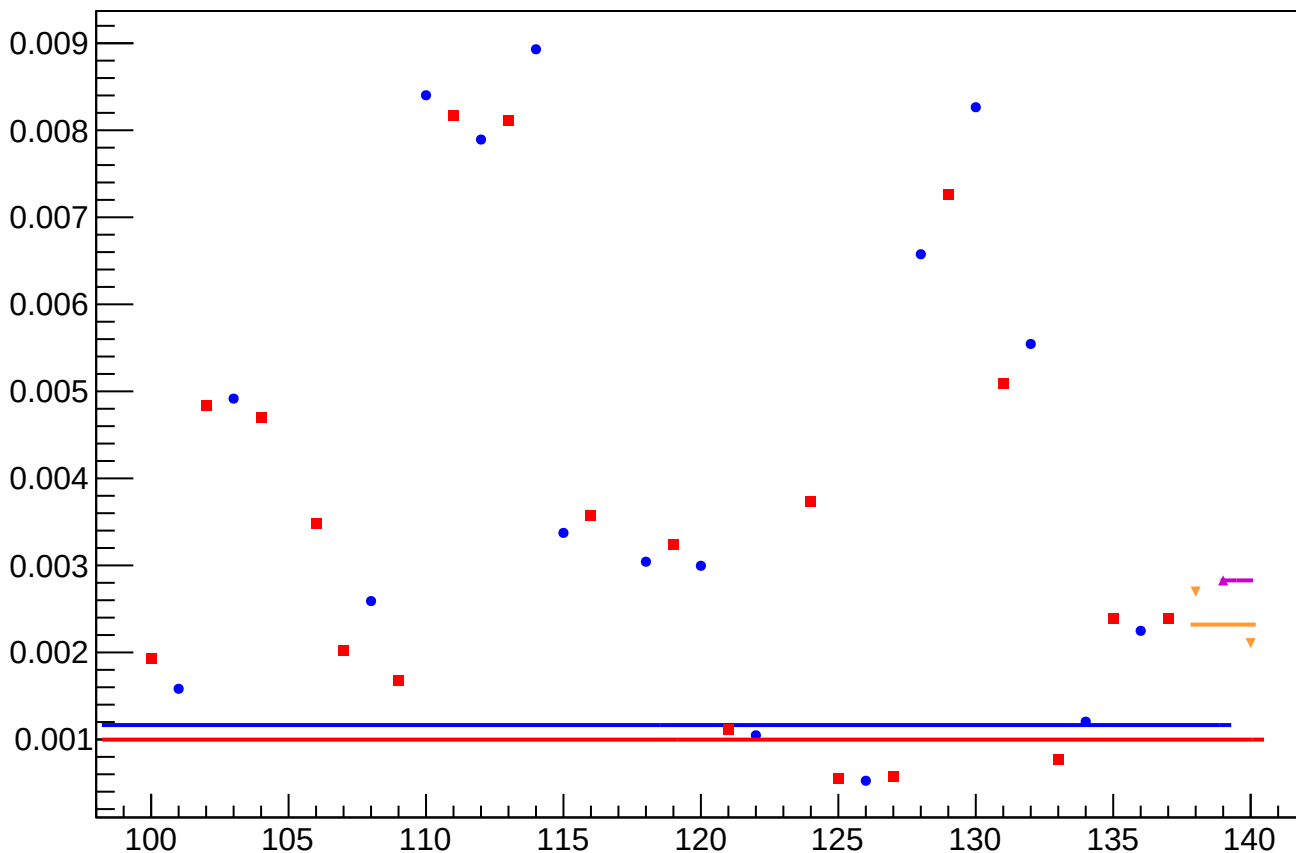
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 14.3/17

All: 0.000 ± 0.000 χ^2/NDF : 28.9/37

- sign 0.000 ± 0.000 χ^2/NDF : 14.6/19

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF : 47463.5/1

Right Out: 0.001+/-0.000 χ^2/NDF : 6937197.5/18

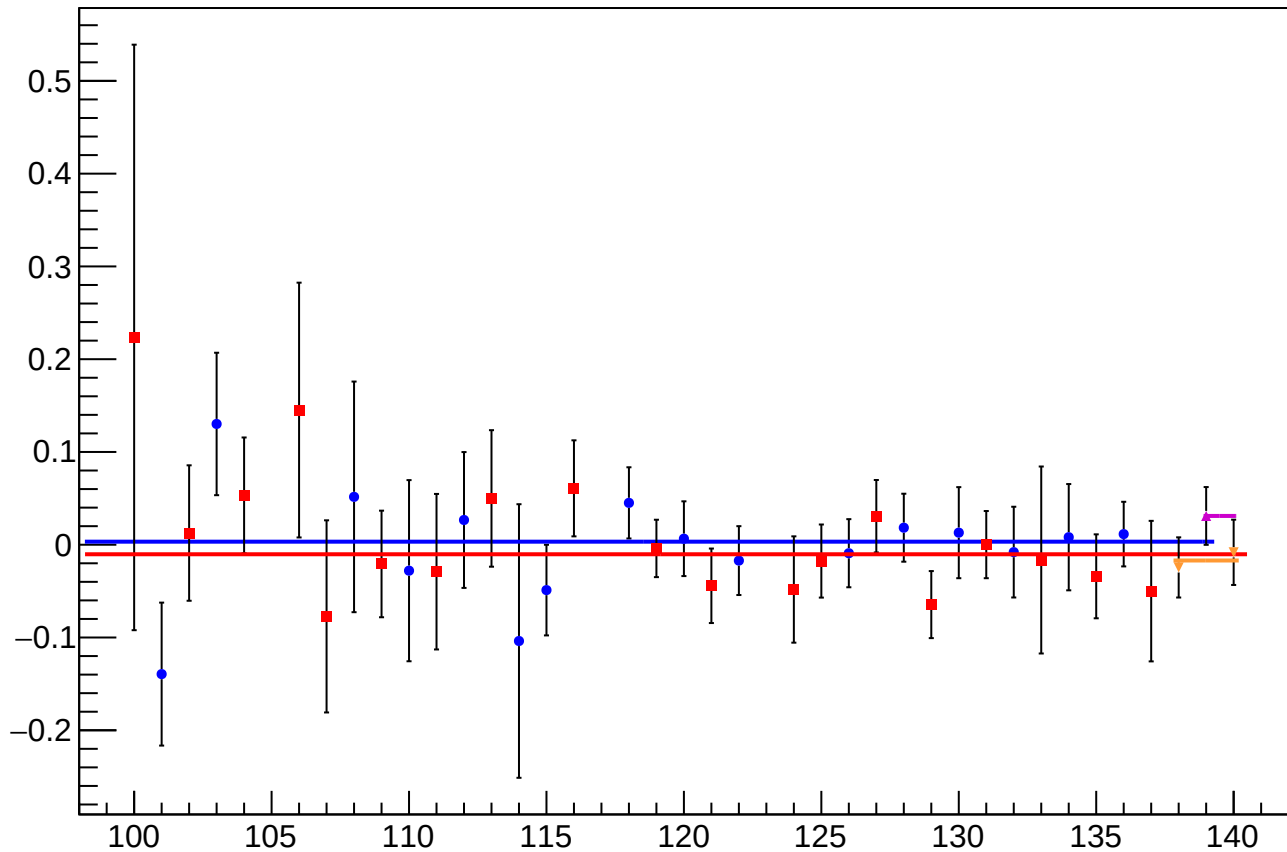
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 7635046.0/17

All: 0.001+/-0.000 χ^2/NDF : 15435967.8/37

- sign 0.001+/-0.000 χ^2/NDF : 7624324.4/19

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 χ^2/NDF : 10.1/15

Left Out: -0.017 ± 0.024 χ^2/NDF : 0.1/1

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

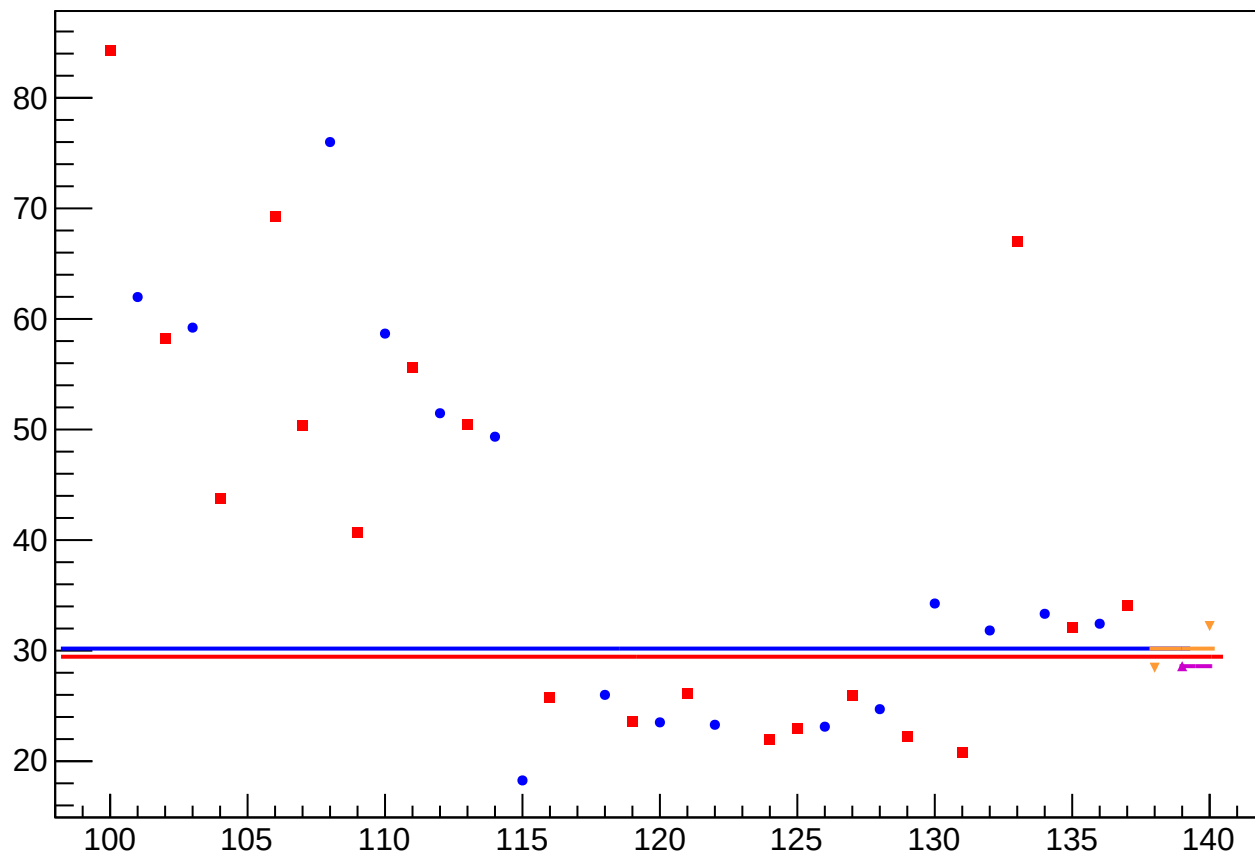
Left In: 0.031 ± 0.031 χ^2/NDF : 0.0/0

+ sign -0.001 ± 0.011 χ^2/NDF : 10.8/17

All: -0.003 ± 0.008 χ^2/NDF : 23.7/37

- sign -0.005 ± 0.011 χ^2/NDF : 12.8/19

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF : 1687188.2/15

Left Out: 30.185+/-0.017 χ^2/NDF :12403.0/1

Right Out: 29.451+/-0.008 χ^2/NDF : 1848632.6/18

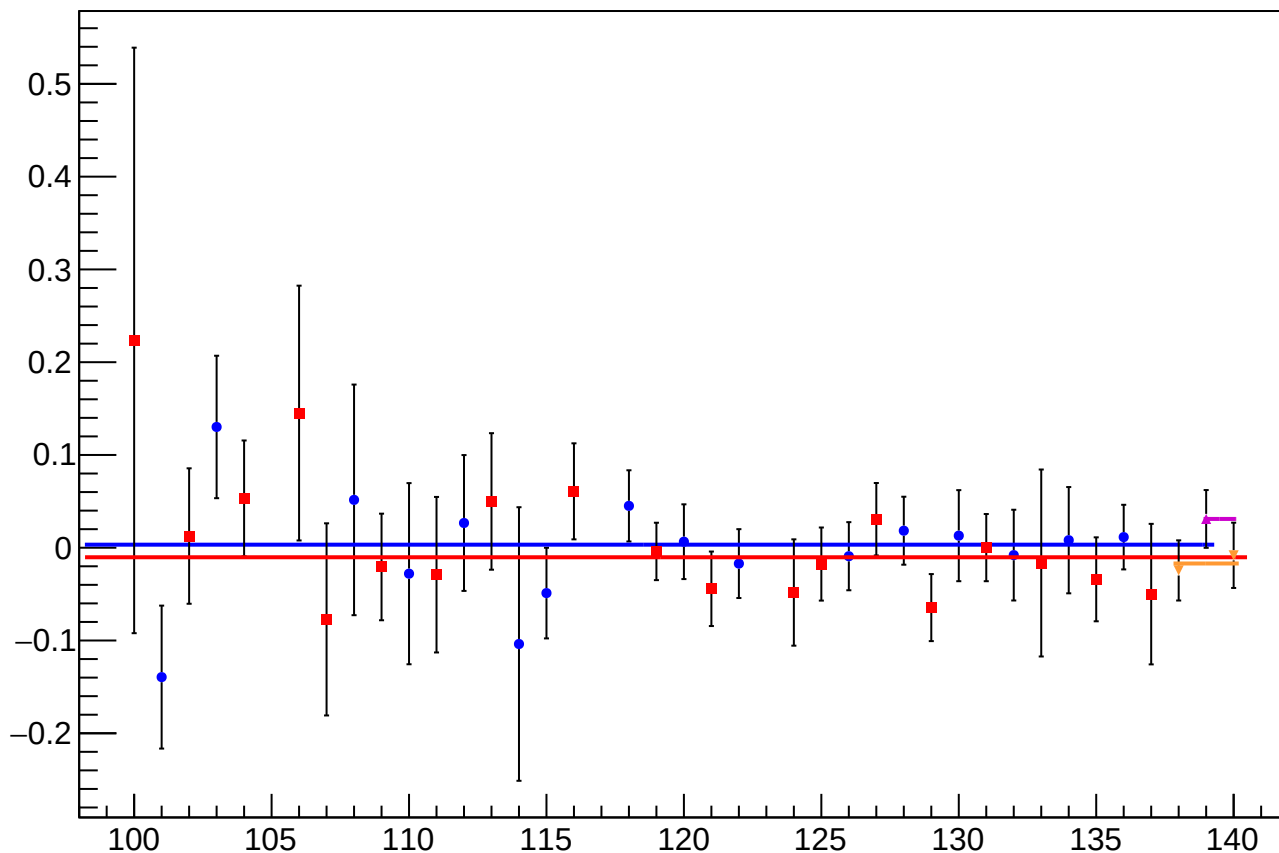
Left In: 28.596+/-0.022 χ^2/NDF :0.0/0

+ sign 30.186+/-0.008 χ^2/NDF : 1699591.3/17

All: 29.770+/-0.005 χ^2/NDF : 3555433.5/37

- sign 29.343+/-0.008 χ^2/NDF : 1849950.3/19

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 χ^2/NDF : 10.1/15

Left Out: -0.017 ± 0.024 χ^2/NDF : 0.1/1

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

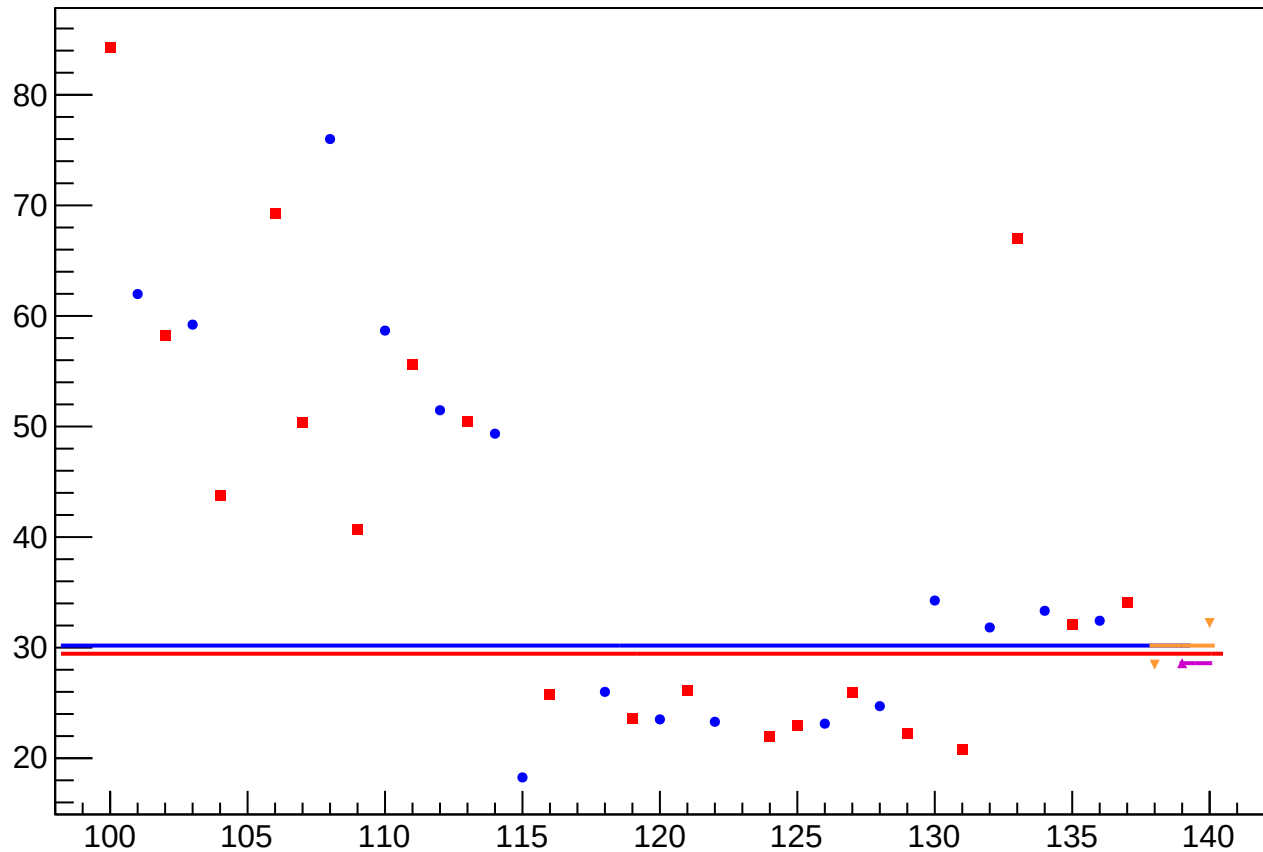
Left In: 0.031 ± 0.031 χ^2/NDF : 0.0/0

+ sign -0.001 ± 0.011 χ^2/NDF : 10.8/17

All: -0.003 ± 0.008 χ^2/NDF : 23.7/37

- sign -0.005 ± 0.011 χ^2/NDF : 12.8/19

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2 /NDF: 1687188.2/15

Left Out: 30.185 $\pm$ 0.017 χ^2 /NDF:12403.0/1

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848632.6/18

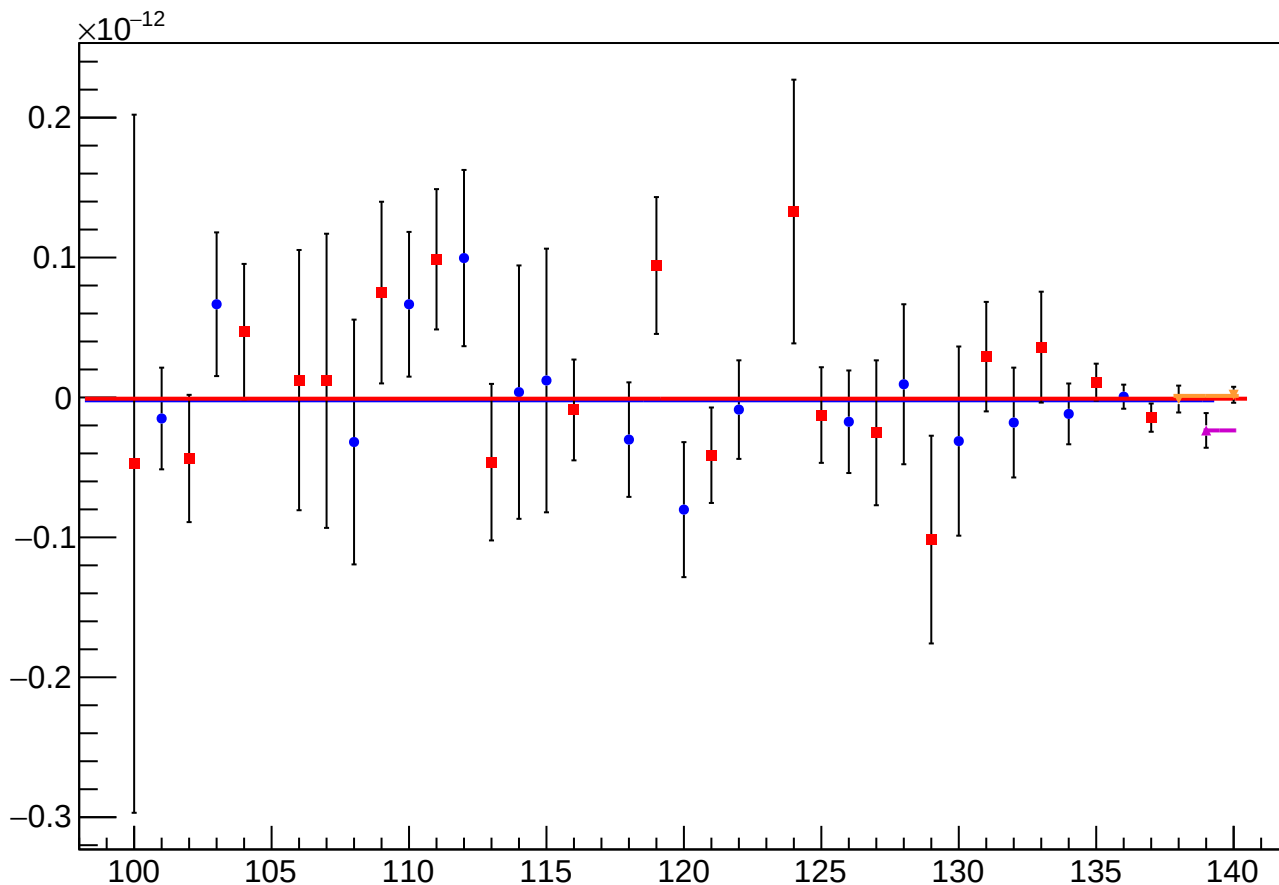
Left In: 28.596 $\pm$ 0.022 χ^2 /NDF:0.0/0

+ sign 30.186 $\pm$ 0.008 χ^2 /NDF: 1699591.3/17

All: 29.770 $\pm$ 0.005 χ^2 /NDF: 3555433.5/37

- sign 29.343 $\pm$ 0.008 χ^2 /NDF: 1849950.3/19

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 10.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

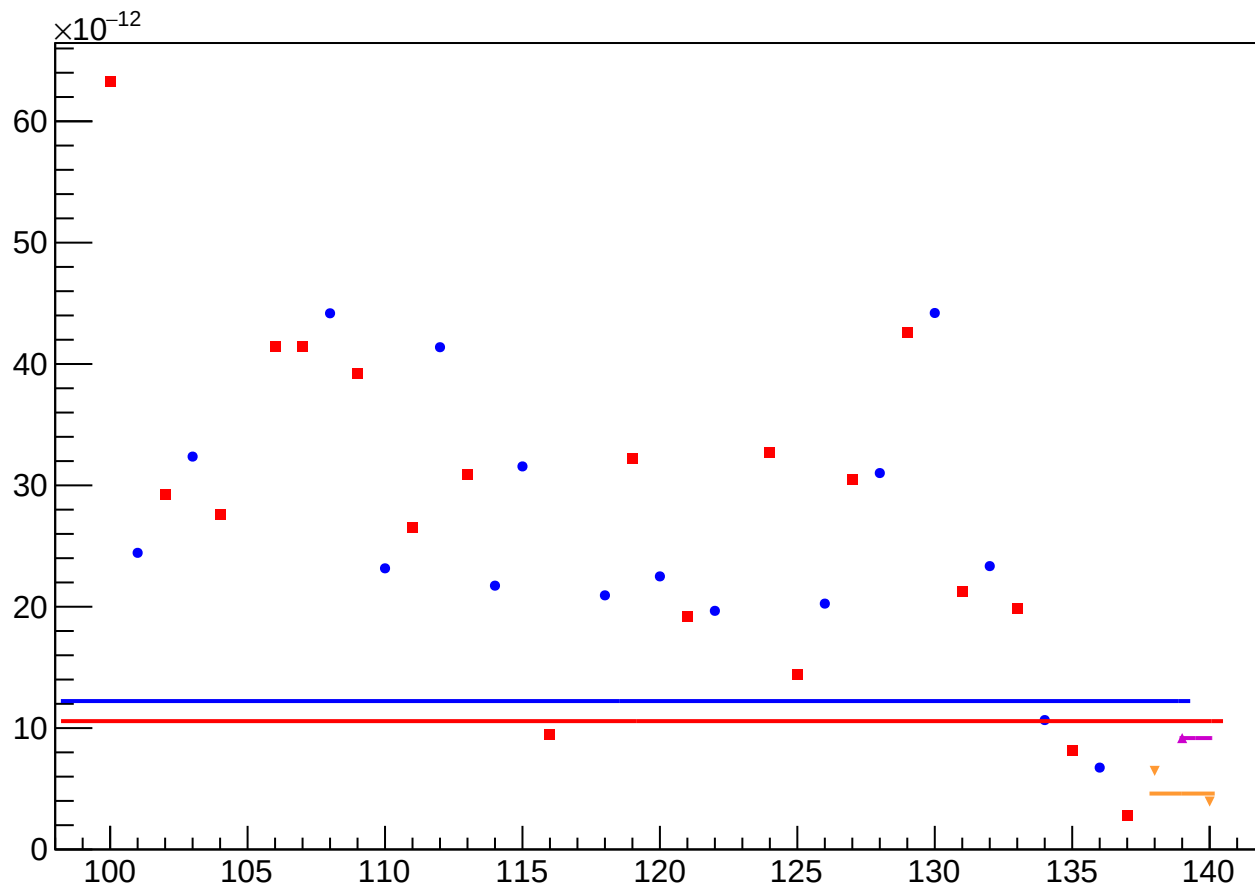
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/19

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 102359.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4770079.9/18

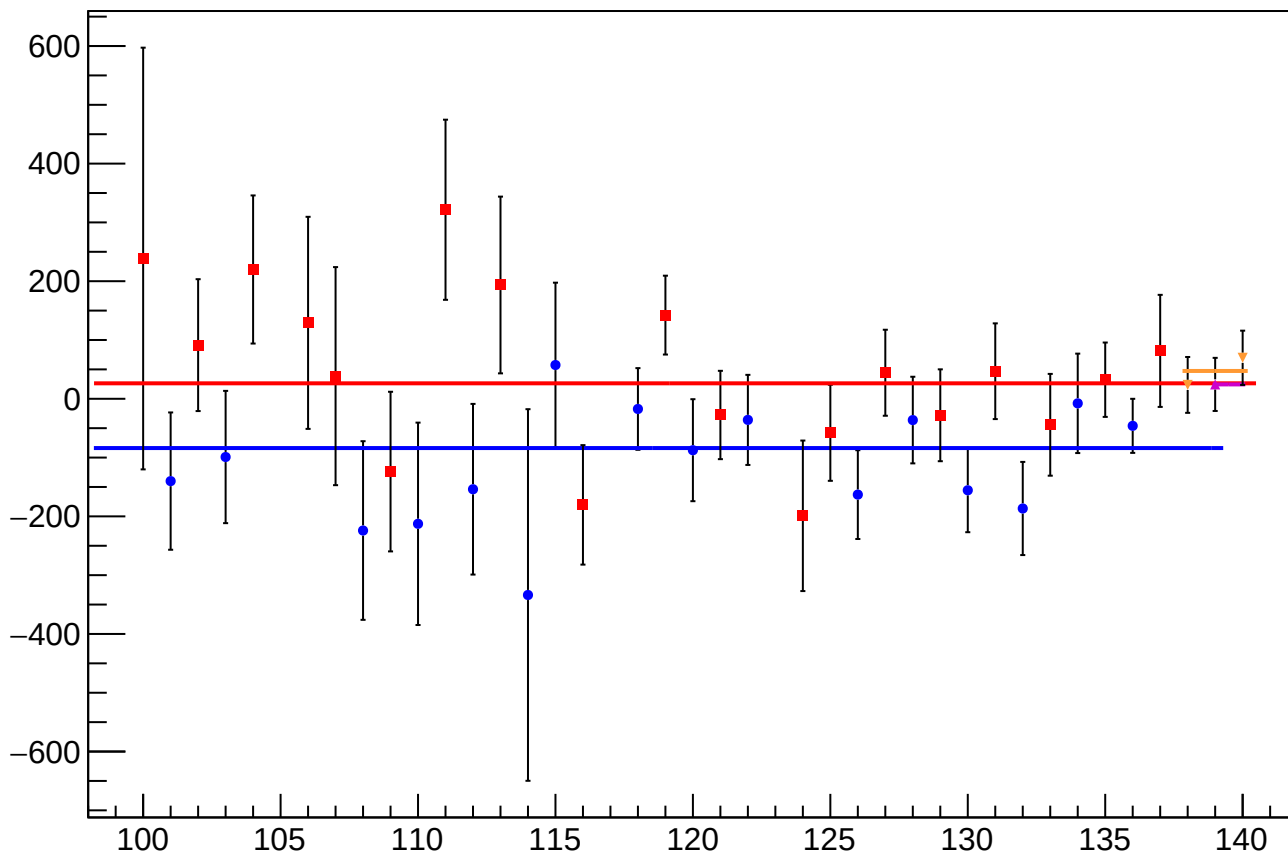
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5186972.8/17

All: 0.000+/-0.000 χ^2/NDF : 10348488.1/37

- sign 0.000+/-0.000 χ^2/NDF : 4789785.0/19

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 47.319 ± 33.102 χ^2/NDF : 0.5/1

Right Out: 26.301 ± 22.067 χ^2/NDF : 23.0/18

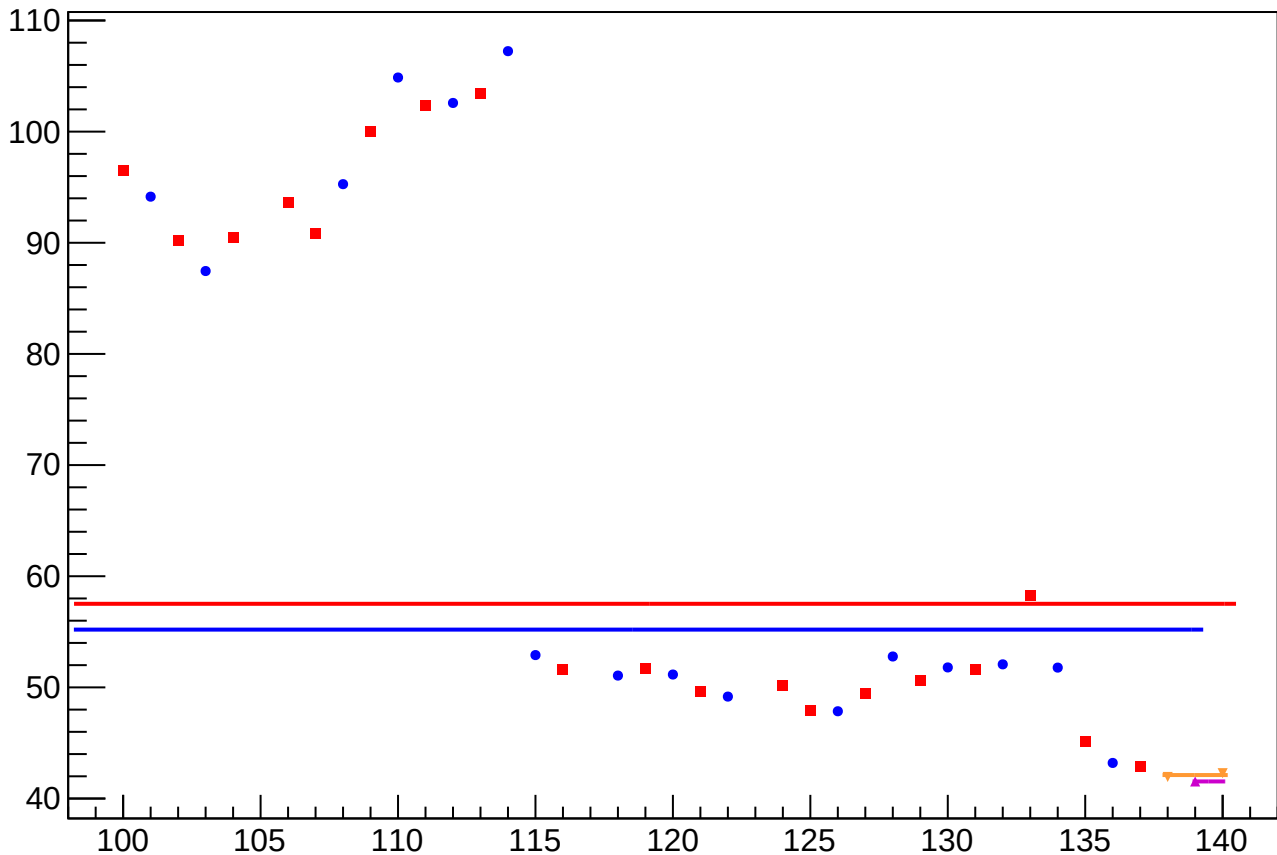
Left In: 24.448 ± 45.174 χ^2/NDF : 0.0/0

+ sign -45.069 ± 17.992 χ^2/NDF : 22.1/17

All: -13.002 ± 13.324 χ^2/NDF : 52.1/37

- sign 25.944 ± 19.828 χ^2/NDF : 23.0/19

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF : 1152581.1/15

Left Out: 42.113+/-0.023 χ^2/NDF : 52.6/1

Right Out: 57.519+/-0.016 χ^2/NDF : 1281793.1/18

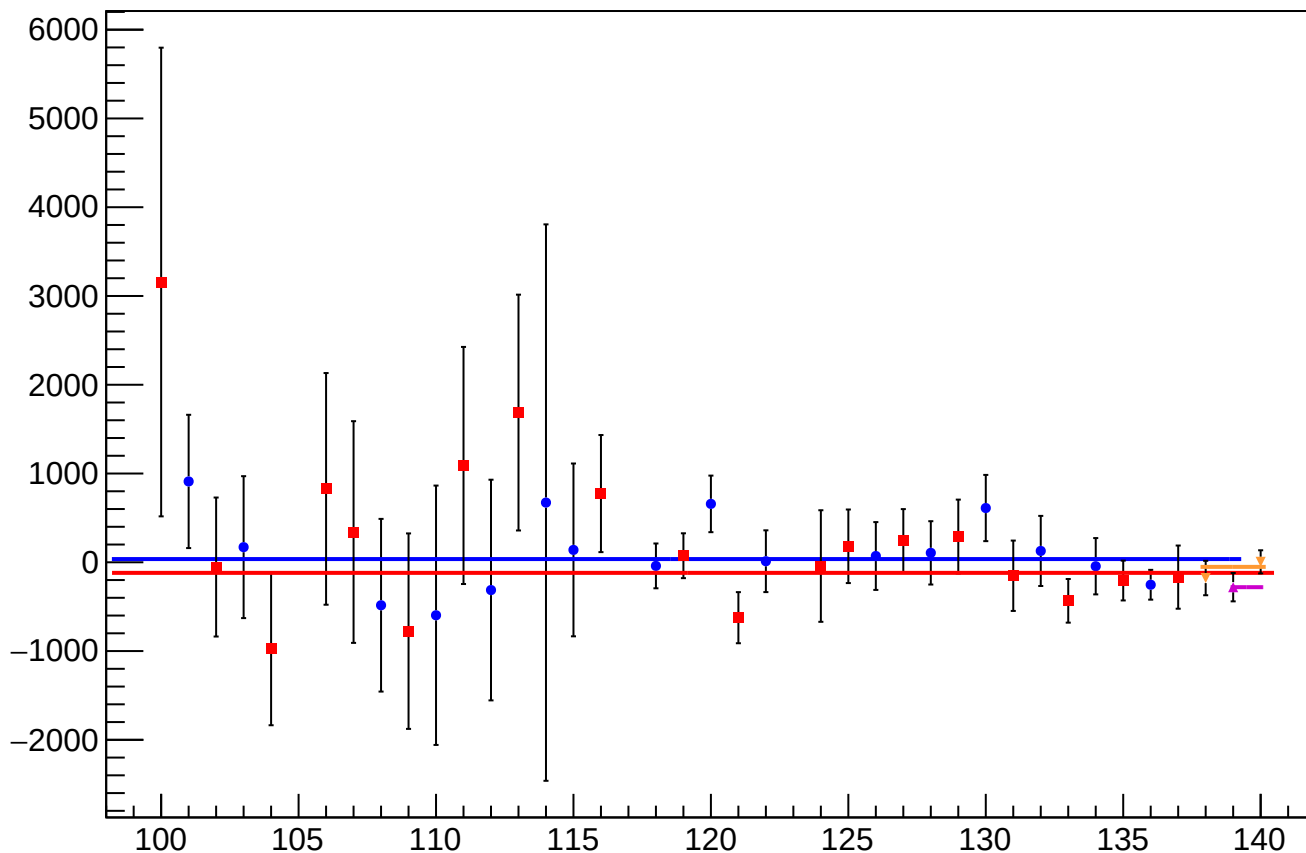
Left In: 41.538+/-0.032 χ^2/NDF : 0.0/0

+ sign 51.332+/-0.013 χ^2/NDF : 1372809.3/17

All: 52.736+/-0.009 χ^2/NDF : 2883651.6/37

- sign 54.440+/-0.014 χ^2/NDF : 1483888.9/19

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -51.662 ± 108.089 χ^2/NDF : 0.6/1

Right Out: -119.166 ± 95.833 χ^2/NDF : 16.0/18

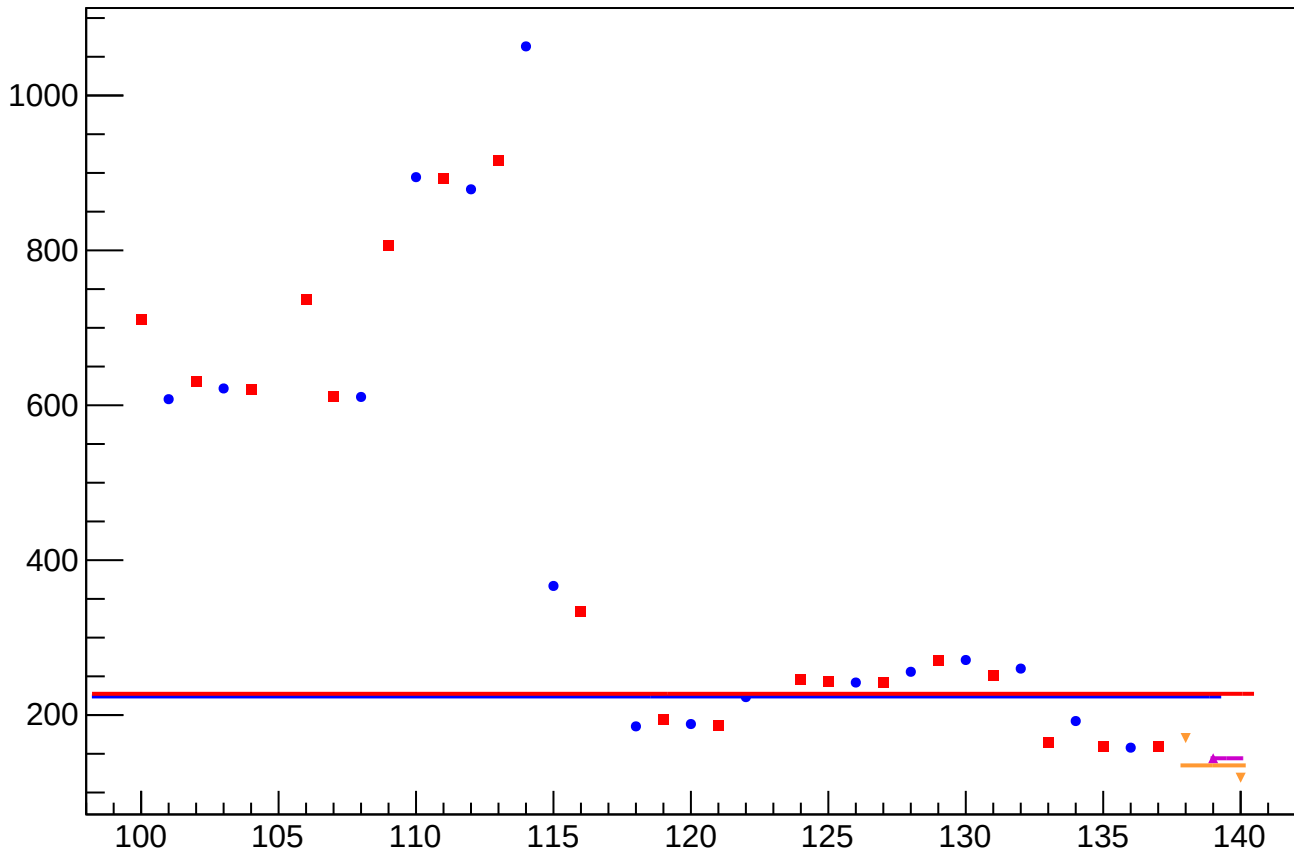
Left In: -280.396 ± 159.708 χ^2/NDF : 0.0/0

+ sign -1.362 ± 70.741 χ^2/NDF : 12.4/17

All: -69.674 ± 53.612 χ^2/NDF : 31.4/37

- sign -161.851 ± 82.174 χ^2/NDF : 16.8/19

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF : 2968054.7/15

Left Out: 135.011+/-0.076 χ^2/NDF : 96170.7/1

Right Out: 227.451+/-0.068 χ^2/NDF : 3640634.3/18

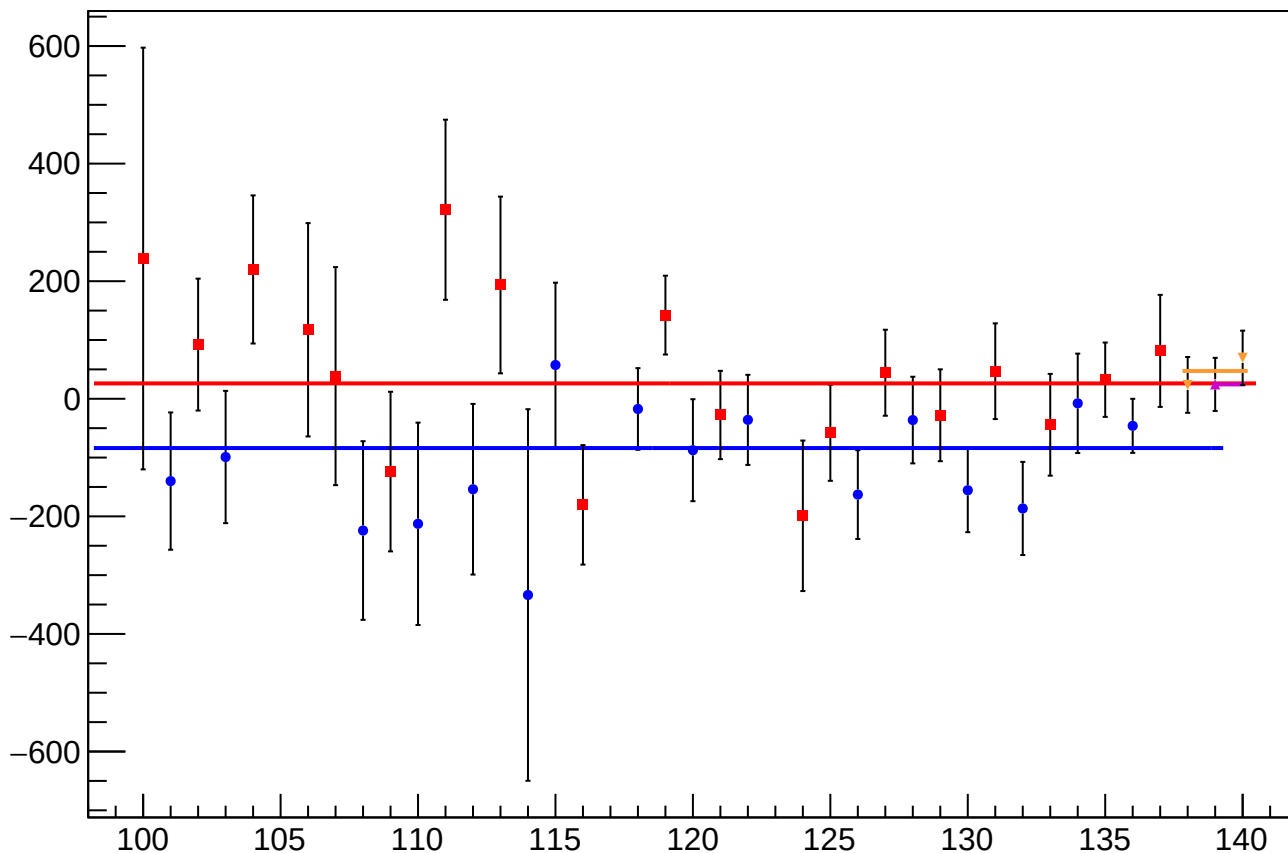
Left In: 144.200+/-0.113 χ^2/NDF : 0.0/0

+ sign 185.907+/-0.050 χ^2/NDF : 3839909.8/17

All: 194.209+/-0.038 χ^2/NDF : 7944829.0/37

- sign 205.411+/-0.058 χ^2/NDF : 4040207.6/19

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 47.321 ± 33.102 χ^2/NDF : 0.5/1

Right Out: 26.142 ± 22.069 χ^2/NDF : 22.9/18

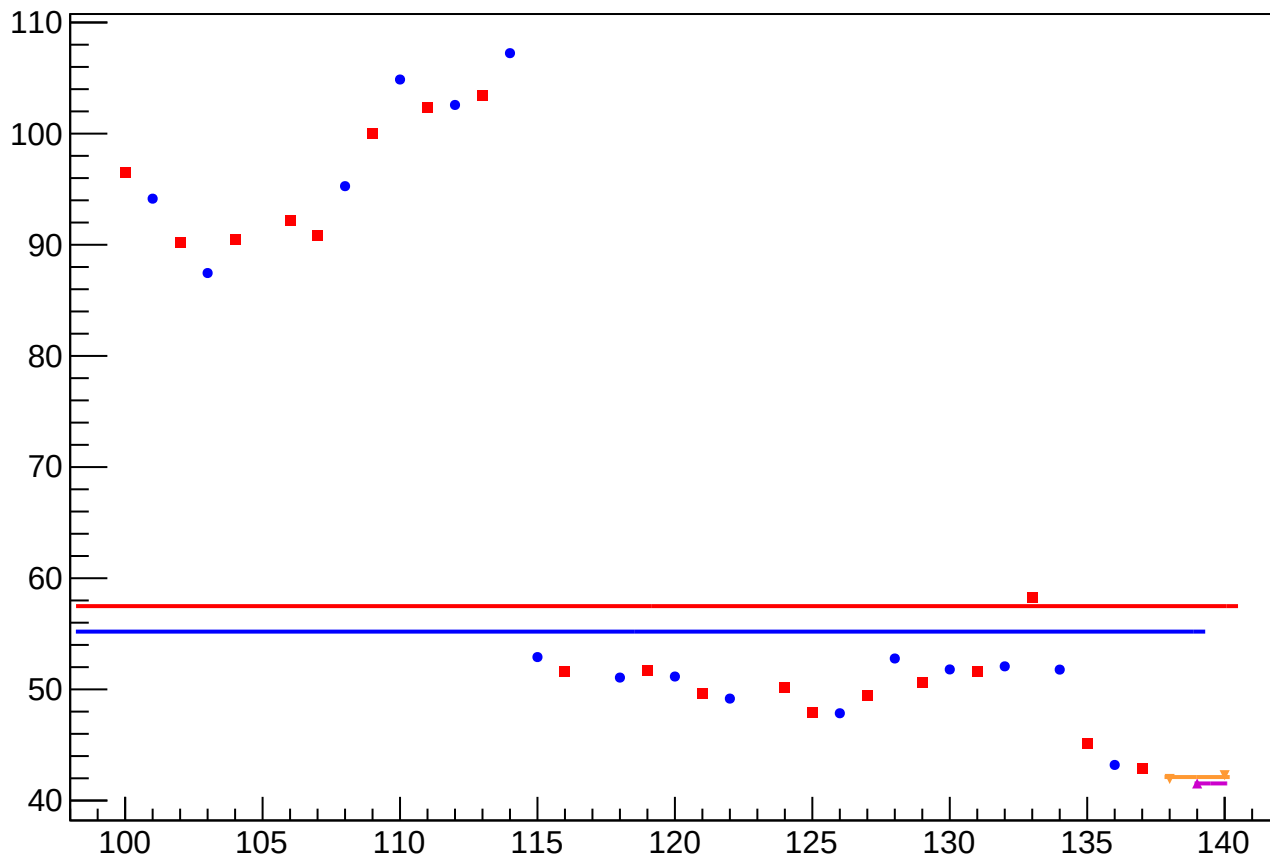
Left In: 24.457 ± 45.174 χ^2/NDF : 0.0/0

+ sign -45.067 ± 17.992 χ^2/NDF : 22.1/17

All: -13.060 ± 13.324 χ^2/NDF : 52.0/37

- sign 25.818 ± 19.829 χ^2/NDF : 22.9/19

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2 /NDF: 1152581.3/15

Left Out: 42.113+/-0.023 χ^2 /NDF: 52.6/1

Right Out: 57.490+/-0.016 χ^2 /NDF: 1274387.3/18

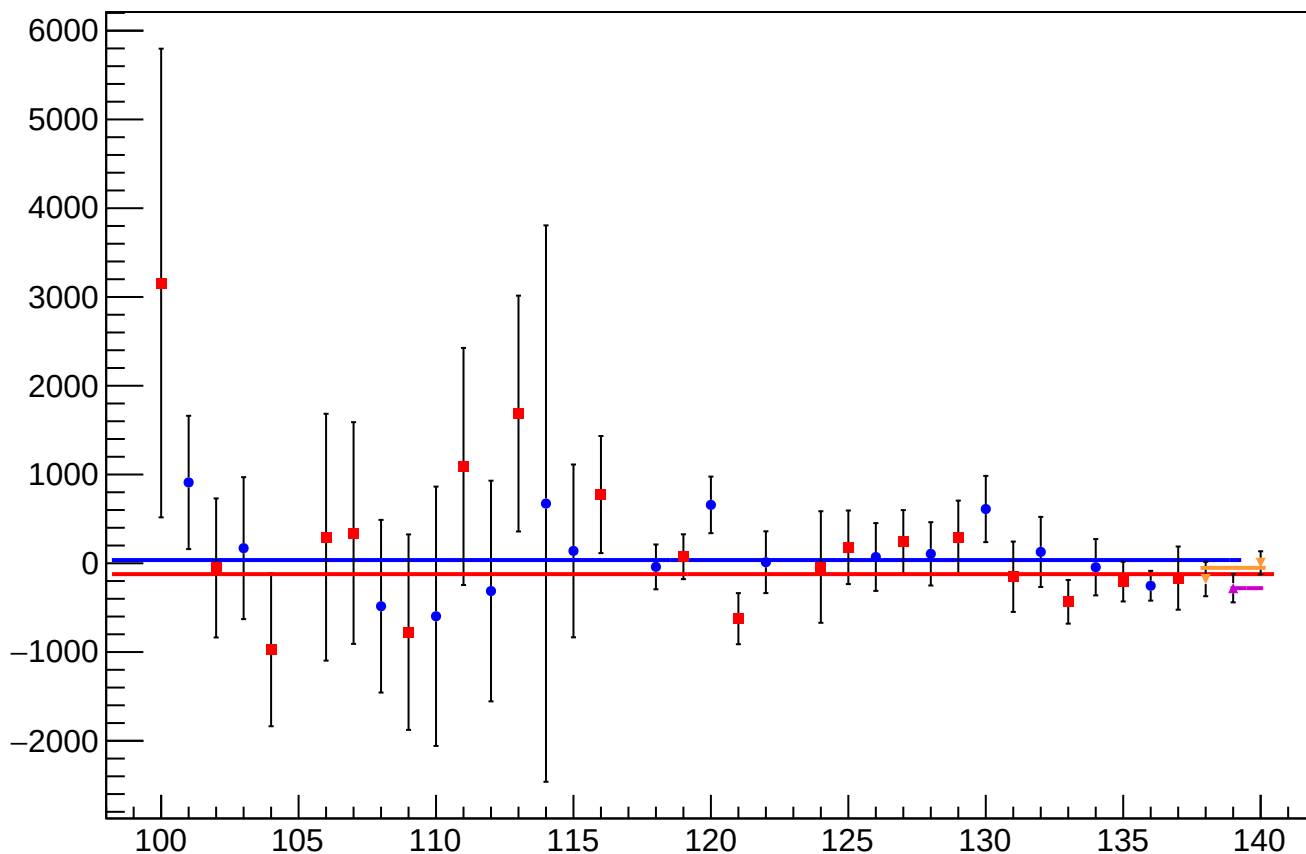
Left In: 41.538+/-0.032 χ^2 /NDF: 0.0/0

+ sign 51.332+/-0.013 χ^2 /NDF: 1372809.6/17

All: 52.725+/-0.009 χ^2 /NDF: 2875096.2/37

- sign 54.417+/-0.014 χ^2 /NDF: 1475746.3/19

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -51.660 ± 108.089 χ^2/NDF : 0.6/1

Right Out: -122.289 ± 95.865 χ^2/NDF : 15.6/18

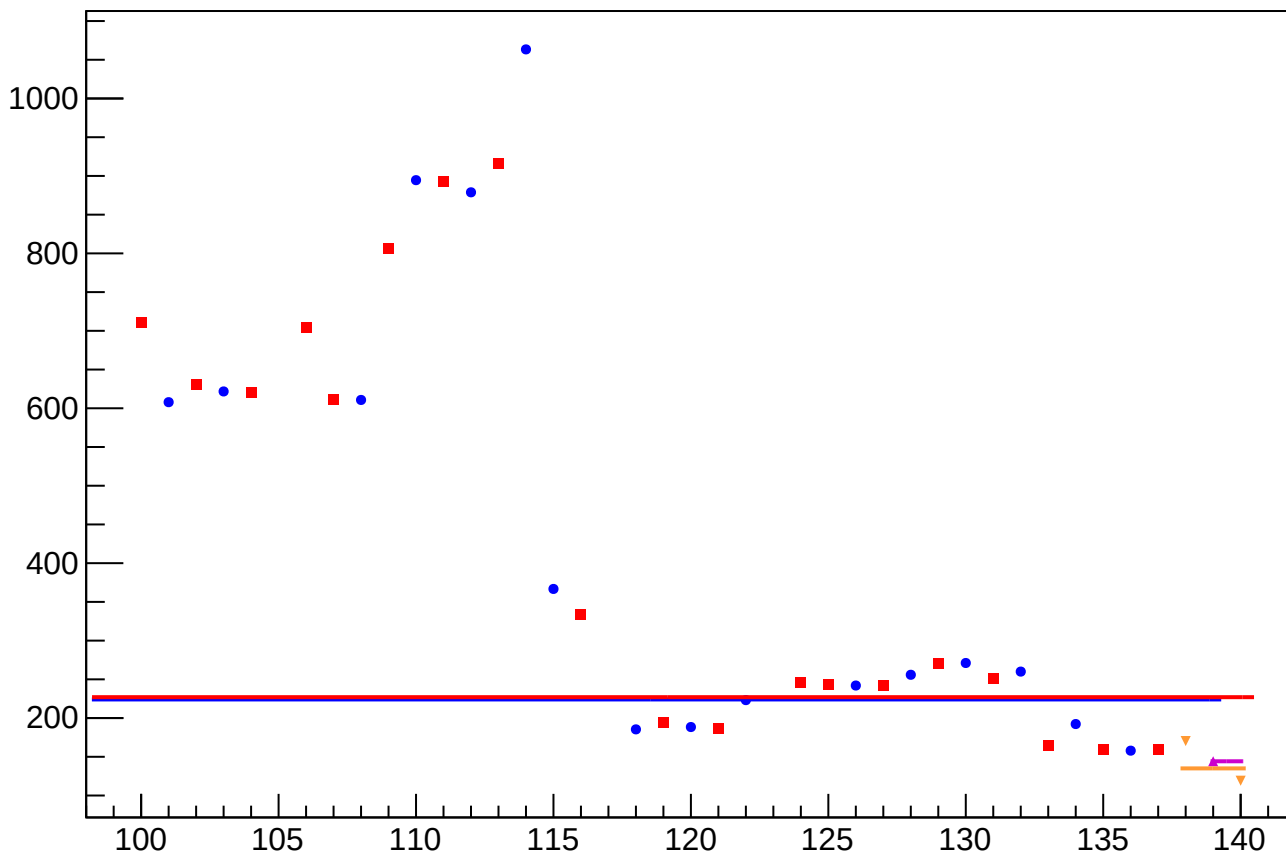
Left In: -280.389 ± 159.708 χ^2/NDF : 0.0/0

+ sign -1.361 ± 70.742 χ^2/NDF : 12.4/17

All: -70.639 ± 53.618 χ^2/NDF : 31.0/37

- sign -164.165 ± 82.194 χ^2/NDF : 16.3/19

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042 $\pm$ 0.066 χ^2 /NDF: 2968059.8/15

Left Out: 135.011 $\pm$ 0.076 χ^2 /NDF:96169.5/1

Right Out: 226.971 $\pm$ 0.068 χ^2 /NDF: 3571946.9/18

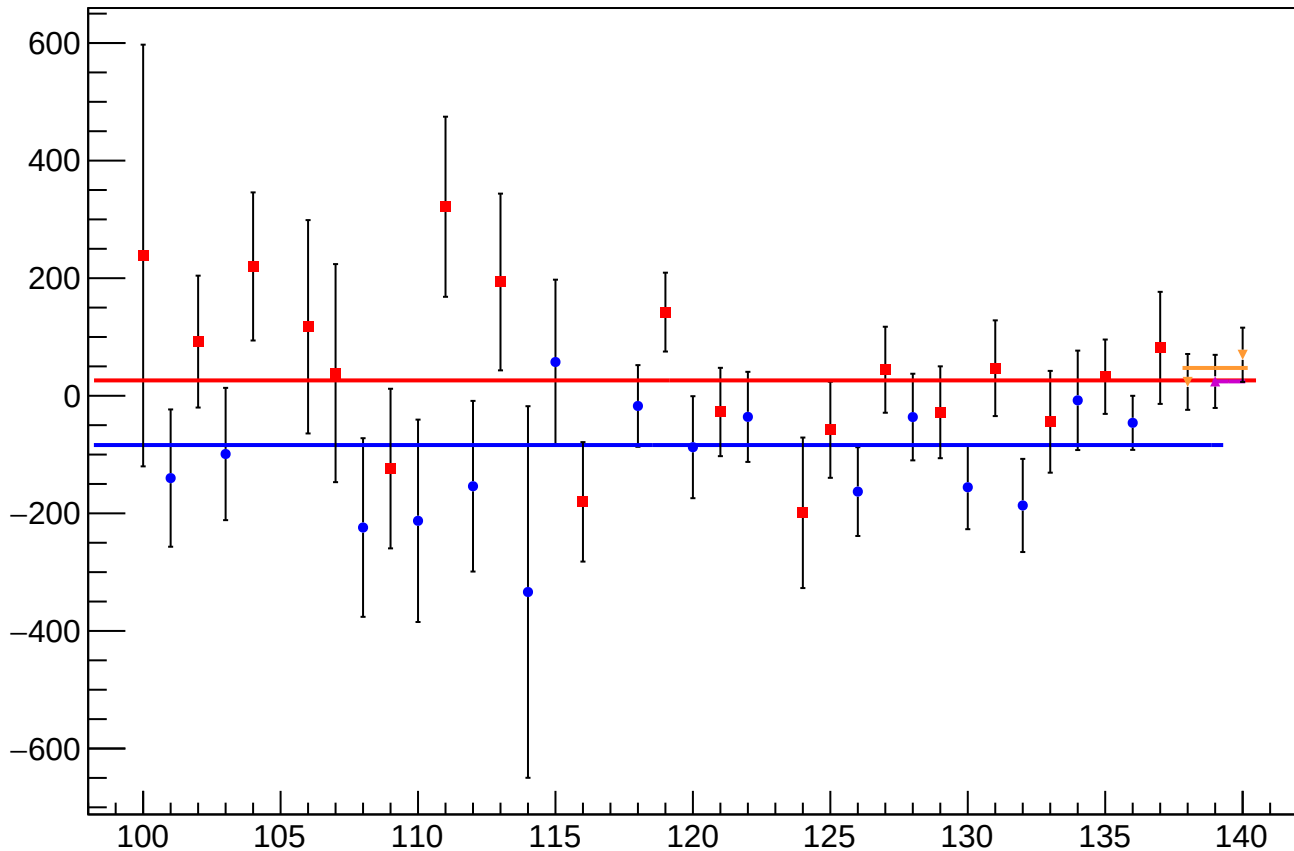
Left In: 144.200 $\pm$ 0.113 χ^2 /NDF:0.0/0

+ sign 185.907 $\pm$ 0.050 χ^2 /NDF: 3839914.3/17

All: 194.052 $\pm$ 0.038 χ^2 /NDF: 7869080.2/37

- sign 205.047 $\pm$ 0.058 χ^2 /NDF: 3966860.3/19

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 47.321 ± 33.102 χ^2/NDF : 0.5/1

Right Out: 26.142 ± 22.069 χ^2/NDF : 22.9/18

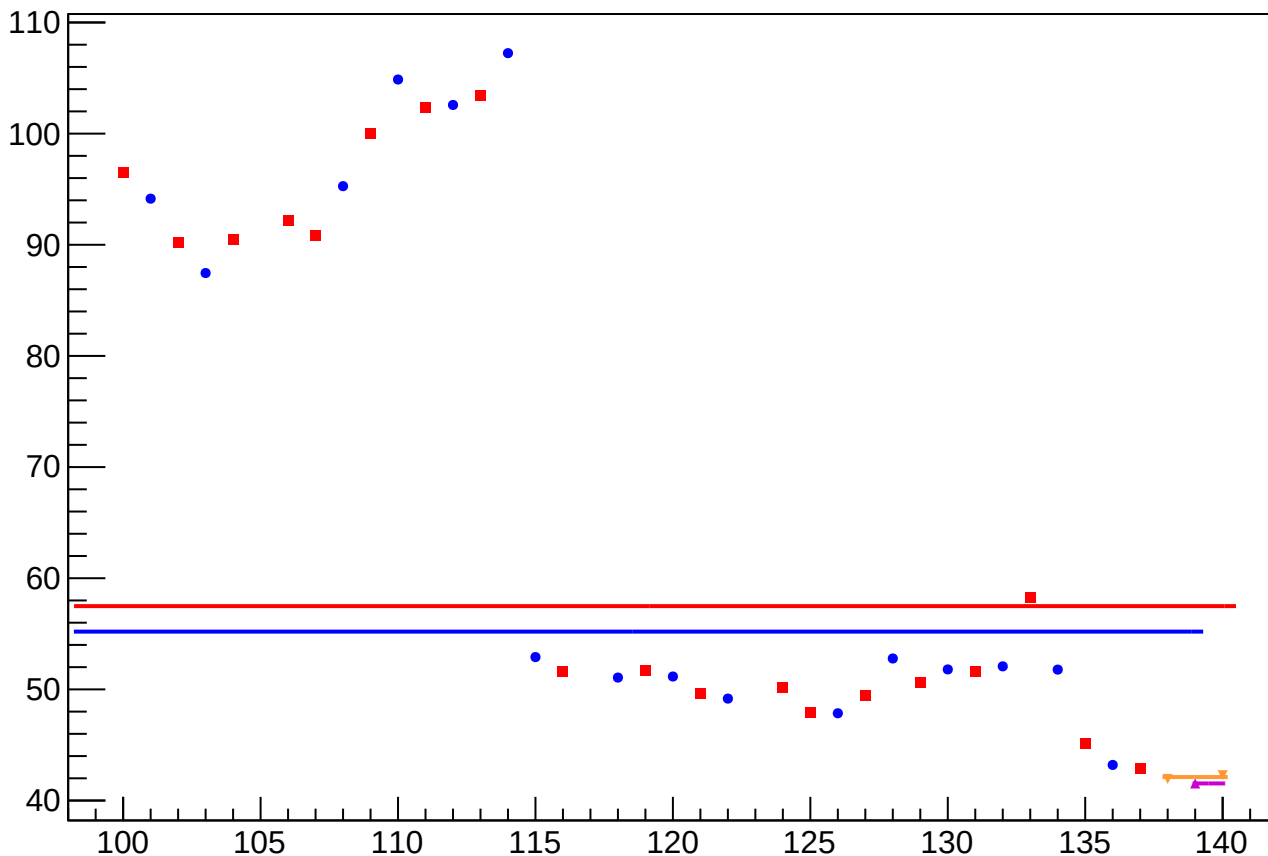
Left In: 24.457 ± 45.174 χ^2/NDF : 0.0/0

+ sign -45.067 ± 17.992 χ^2/NDF : 22.1/17

All: -13.060 ± 13.324 χ^2/NDF : 52.0/37

- sign 25.818 ± 19.829 χ^2/NDF : 22.9/19

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.3/15

Left Out: 42.113 $\pm$ 0.023 χ^2 /NDF: 52.6/1

Right Out: 57.490 $\pm$ 0.016 χ^2 /NDF: 1274387.3/18

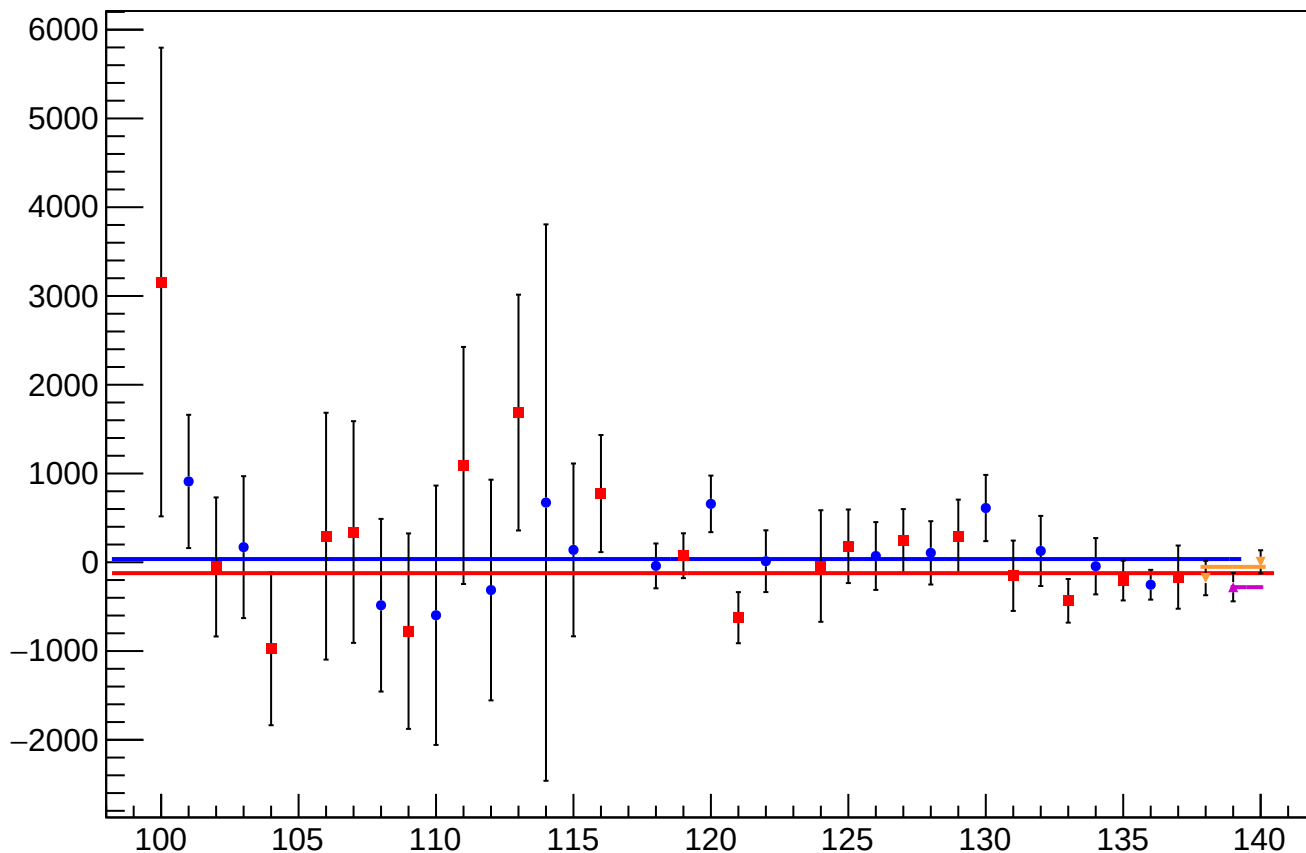
Left In: 41.538 $\pm$ 0.032 χ^2 /NDF: 0.0/0

+ sign 51.332 $\pm$ 0.013 χ^2 /NDF: 1372809.6/17

All: 52.725 $\pm$ 0.009 χ^2 /NDF: 2875096.2/37

- sign 54.417 $\pm$ 0.014 χ^2 /NDF: 1475746.3/19

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF : 11.4/15

Left Out: -51.660+/-108.089 χ^2/NDF : 0.6/1

Right Out: -122.289+/-95.865 χ^2/NDF : 15.6/18

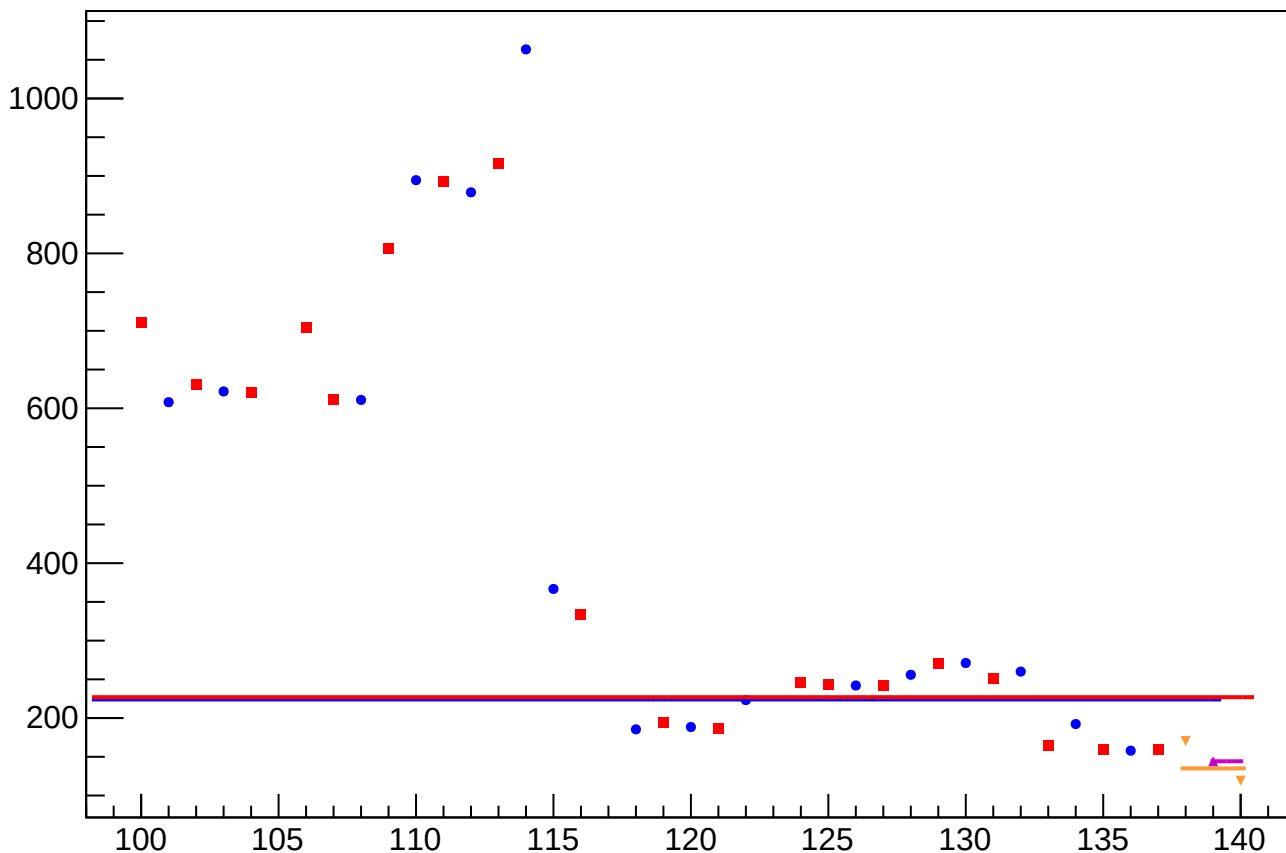
Left In: -280.389+/-159.708 χ^2/NDF : 0.0/0

+ sign -1.361+/-70.742 χ^2/NDF : 12.4/17

All: -70.639+/-53.618 χ^2/NDF : 31.0/37

- sign -164.165+/-82.194 χ^2/NDF : 16.3/19

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF : 2968059.8/15

Left Out: 135.011+/-0.076 χ^2/NDF : 96169.5/1

Right Out: 226.971+/-0.068 χ^2/NDF : 3571946.9/18

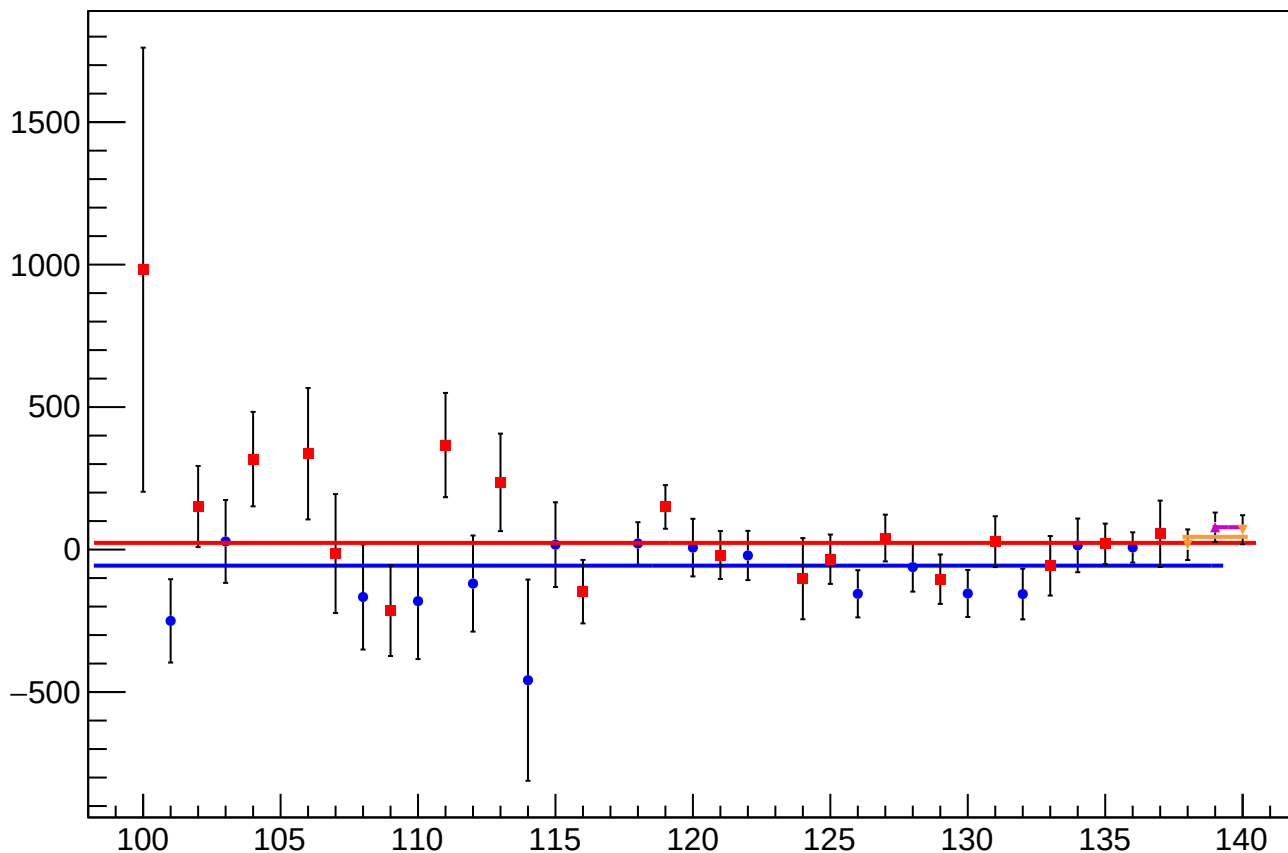
Left In: 144.200+/-0.113 χ^2/NDF : 0.0/0

+ sign 185.907+/-0.050 χ^2/NDF : 3839914.3/17

All: 194.052+/-0.038 χ^2/NDF : 7869080.2/37

- sign 205.047+/-0.058 χ^2/NDF : 3966860.3/19

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414 ± 24.489 χ^2/NDF : 12.3/15

Left Out: 44.650 ± 36.988 χ^2/NDF : 0.5/1

Right Out: 23.495 ± 25.161 χ^2/NDF : 24.1/18

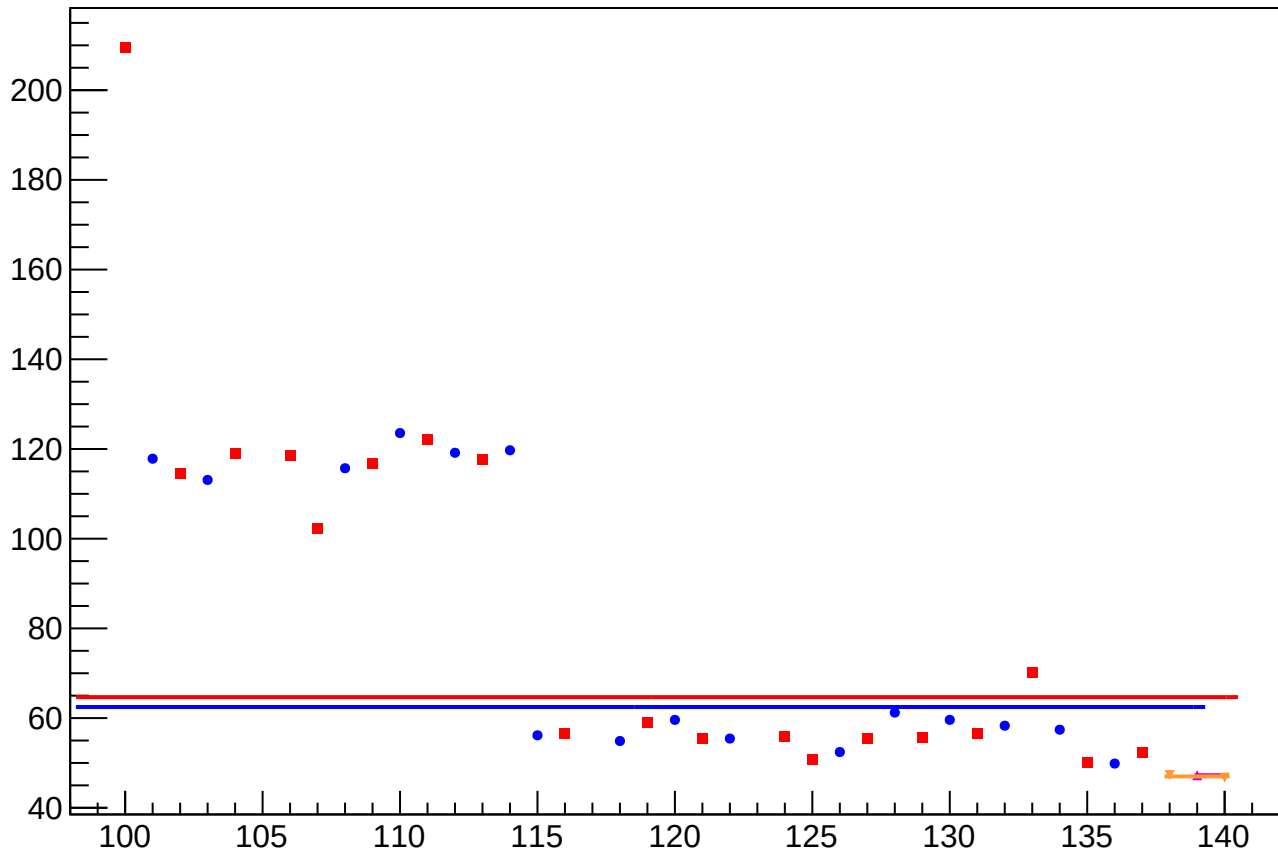
Left In: 78.489 ± 51.417 χ^2/NDF : 0.0/0

+ sign -25.614 ± 20.419 χ^2/NDF : 17.9/17

All: 1.233 ± 15.151 χ^2/NDF : 46.8/37

- sign 34.120 ± 22.600 χ^2/NDF : 25.0/19

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474 $\pm$ 0.017 χ^2 /NDF: 1348224.3/15

Left Out: 46.991 $\pm$ 0.026 χ^2 /NDF: 114.0/1

Right Out: 64.680 $\pm$ 0.018 χ^2 /NDF: 1590446.9/18

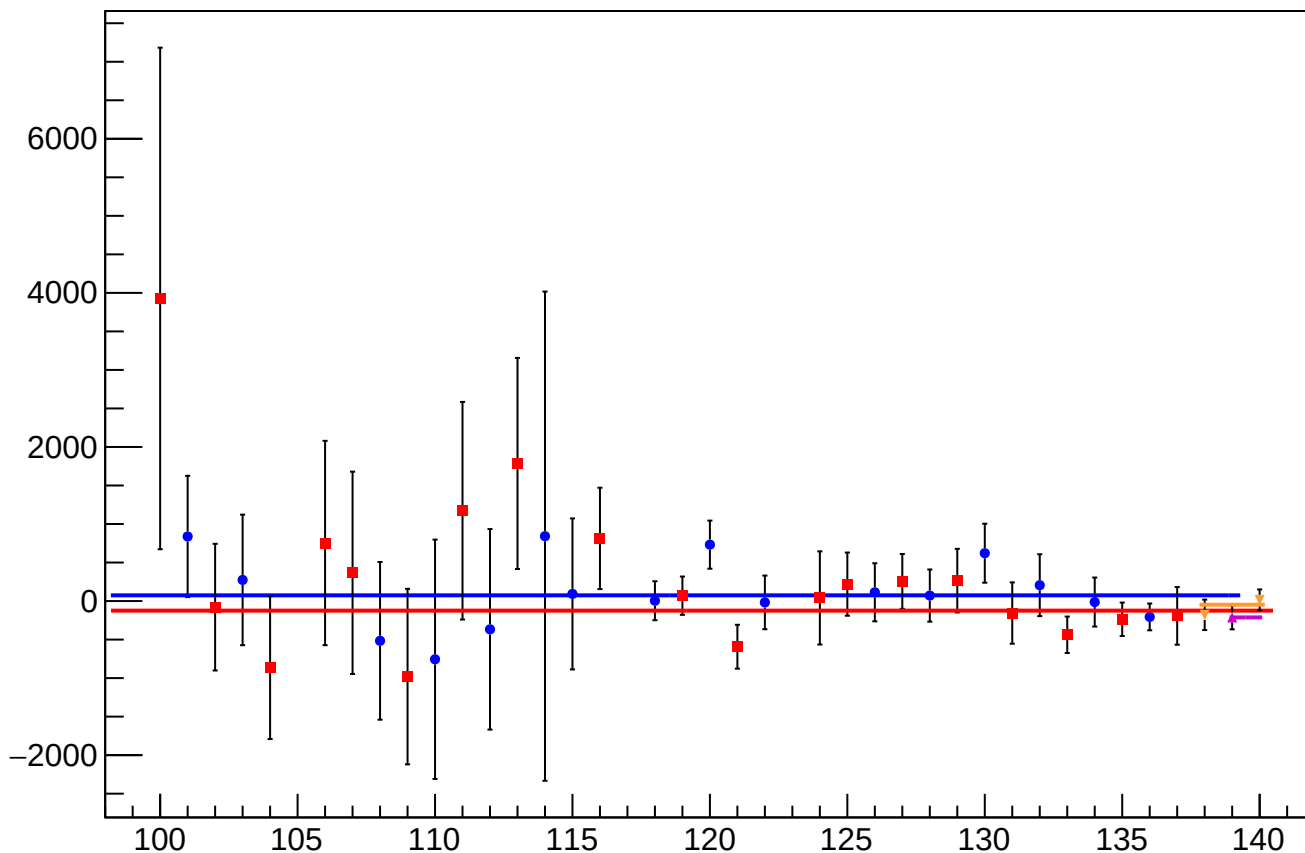
Left In: 47.267 $\pm$ 0.036 χ^2 /NDF: 0.0/0

+ sign 57.756 $\pm$ 0.014 χ^2 /NDF: 1591994.0/17

All: 59.356 $\pm$ 0.011 χ^2 /NDF: 3394854.5/37

- sign 61.316 $\pm$ 0.016 χ^2 /NDF: 1775528.8/19

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF : 11.2/15

Left Out: -47.492+/-112.151 χ^2/NDF : 0.7/1

Right Out: -124.201+/-94.665 χ^2/NDF : 16.3/18

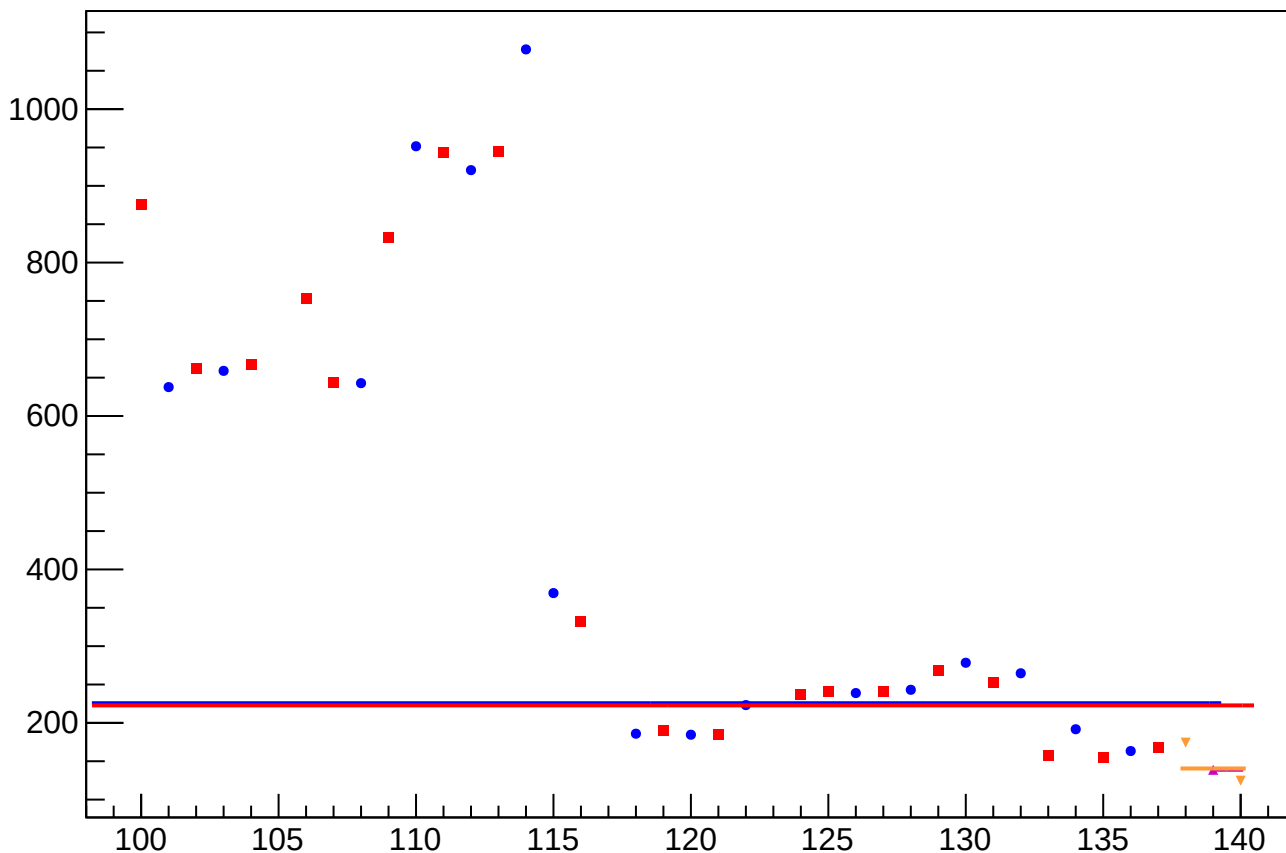
Left In: -212.423+/-154.532 χ^2/NDF : 0.0/0

+ sign 23.733+/-72.263 χ^2/NDF : 12.5/17

All: -52.787+/-53.841 χ^2/NDF : 31.6/37

- sign -148.275+/-80.723 χ^2/NDF : 16.6/19

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614 $\pm$ 0.067 χ^2 /NDF: 3026007.7/15

Left Out: 140.560 $\pm$ 0.079 χ^2 /NDF:85310.7/1

Right Out: 222.786 $\pm$ 0.067 χ^2 /NDF: 3848156.1/18

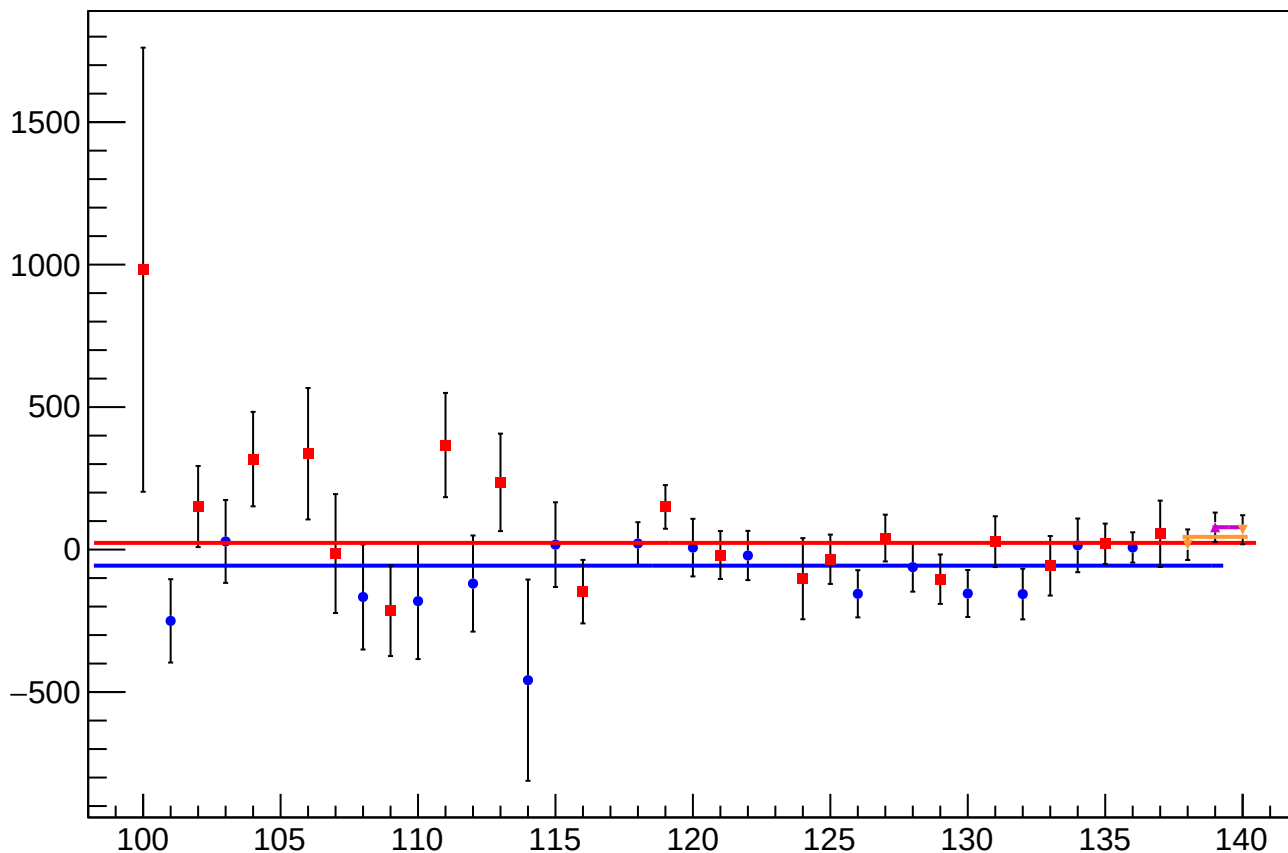
Left In: 138.900 $\pm$ 0.109 χ^2 /NDF:0.0/0

+ sign 190.303 $\pm$ 0.051 χ^2 /NDF: 3784066.7/17

All: 194.570 $\pm$ 0.038 χ^2 /NDF: 8076435.9/37

- sign 199.896 $\pm$ 0.057 χ^2 /NDF: 4276688.1/19

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415 ± 24.489 χ^2/NDF : 12.3/15

Left Out: 44.651 ± 36.988 χ^2/NDF : 0.5/1

Right Out: 23.498 ± 25.160 χ^2/NDF : 24.1/18

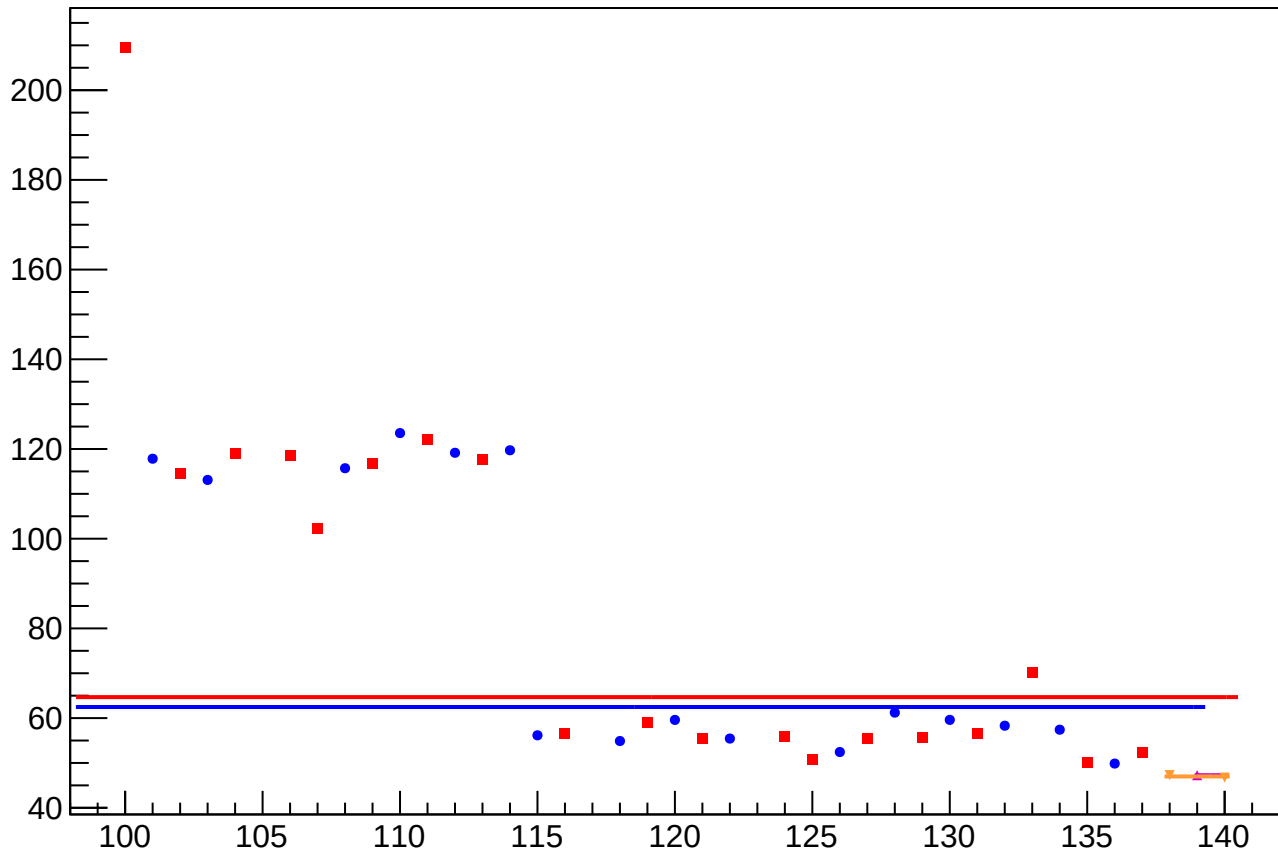
Left In: 78.486 ± 51.416 χ^2/NDF : 0.0/0

+ sign -25.615 ± 20.419 χ^2/NDF : 17.9/17

All: 1.233 ± 15.151 χ^2/NDF : 46.8/37

- sign 34.122 ± 22.600 χ^2/NDF : 25.0/19

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF : 1348204.7/15

Left Out: 46.991+/-0.026 χ^2/NDF : 113.8/1

Right Out: 64.680+/-0.018 χ^2/NDF : 1590426.1/18

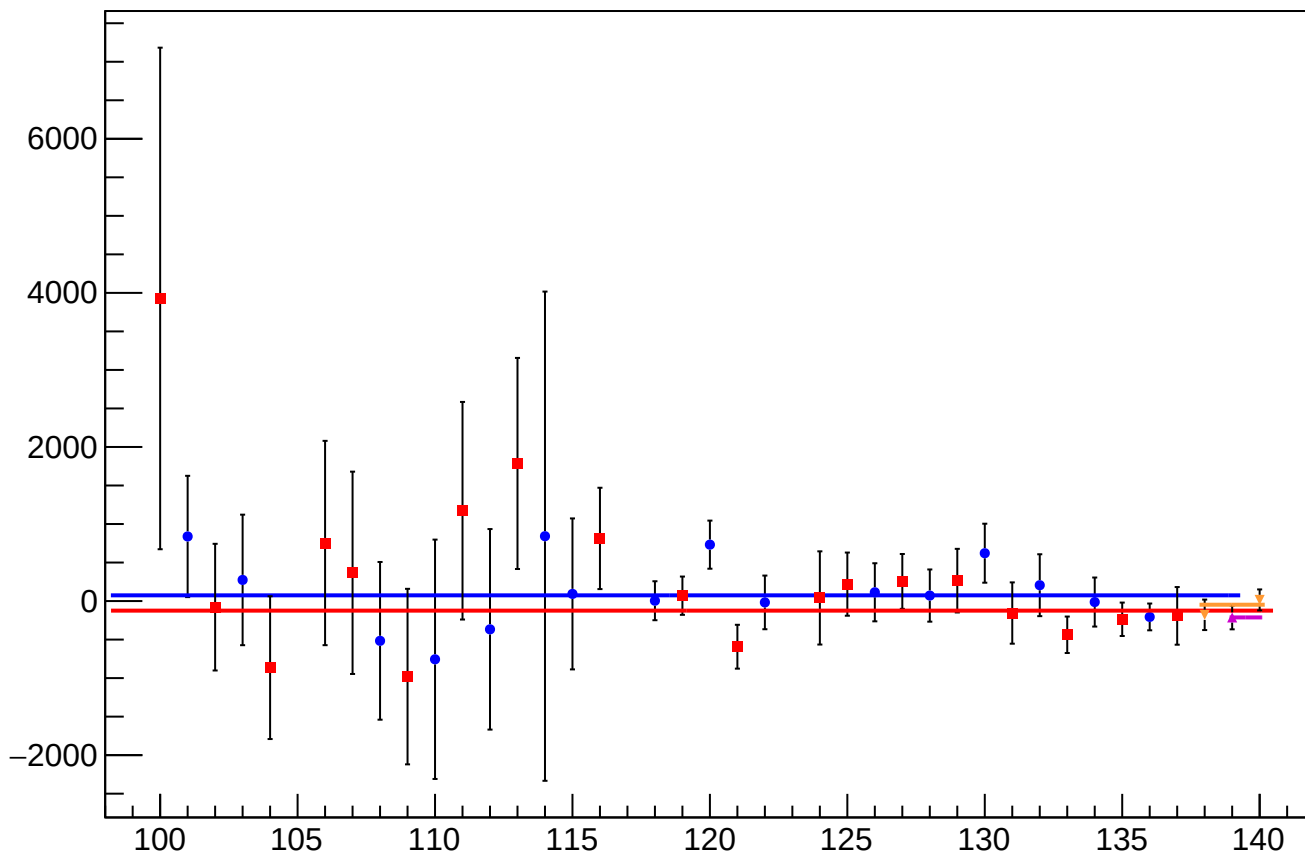
Left In: 47.267+/-0.036 χ^2/NDF : 0.0/0

+ sign 57.755+/-0.014 χ^2/NDF : 1591956.7/17

All: 59.356+/-0.011 χ^2/NDF : 3394799.9/37

- sign 61.316+/-0.016 χ^2/NDF : 1775511.6/19

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: 74.295+/-94.492 χ^2/NDF : 11.2/15

Left Out: -47.491+/-112.152 χ^2/NDF : 0.7/1

Right Out: -124.199+/-94.666 χ^2/NDF : 16.3/18

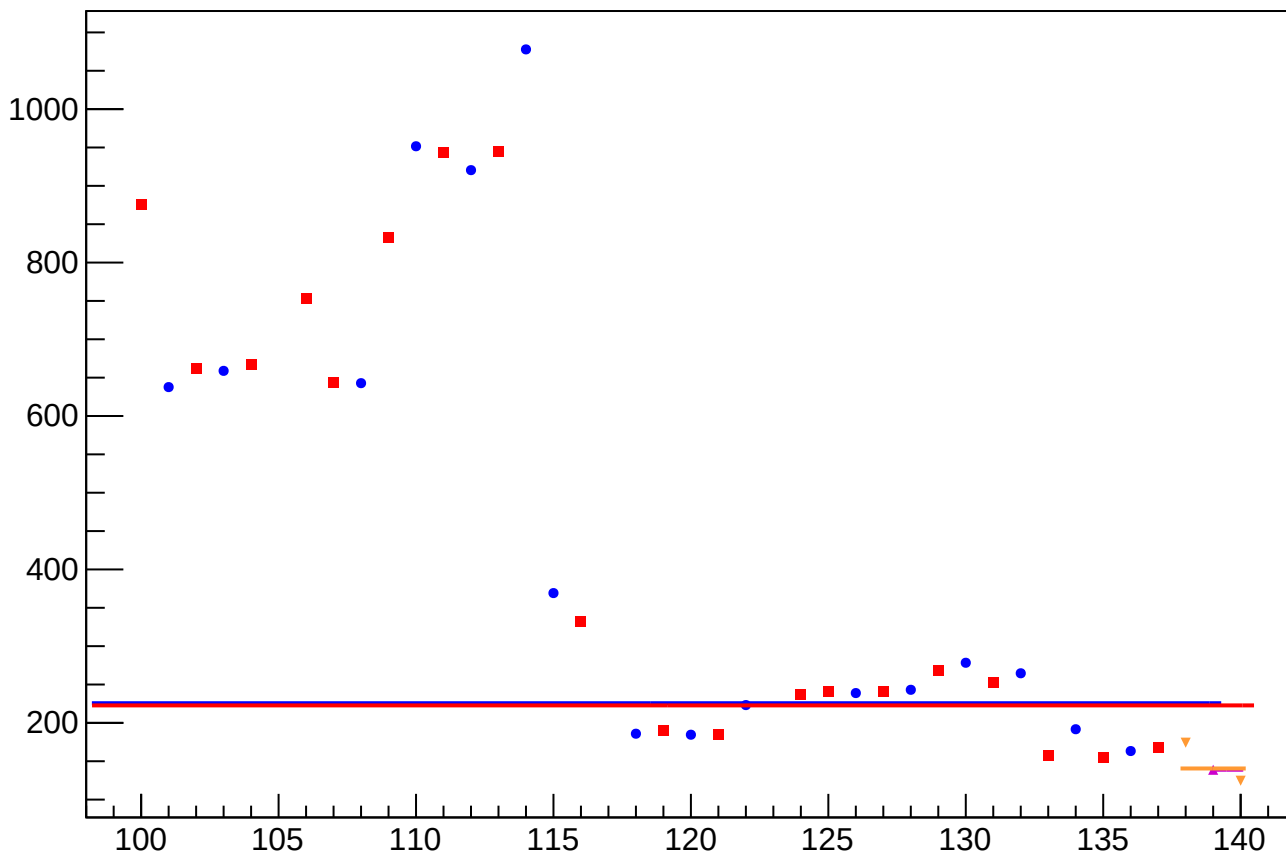
Left In: -212.425+/-154.532 χ^2/NDF : 0.0/0

+ sign 23.735+/-72.263 χ^2/NDF : 12.5/17

All: -52.786+/-53.841 χ^2/NDF : 31.6/37

- sign -148.274+/-80.723 χ^2/NDF : 16.6/19

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 225.614 $\pm$ 0.067 χ^2 /NDF: 3025994.8/15

Left Out: 140.561 $\pm$ 0.079 χ^2 /NDF:85310.8/1

Right Out: 222.787 $\pm$ 0.067 χ^2 /NDF: 3848136.6/18

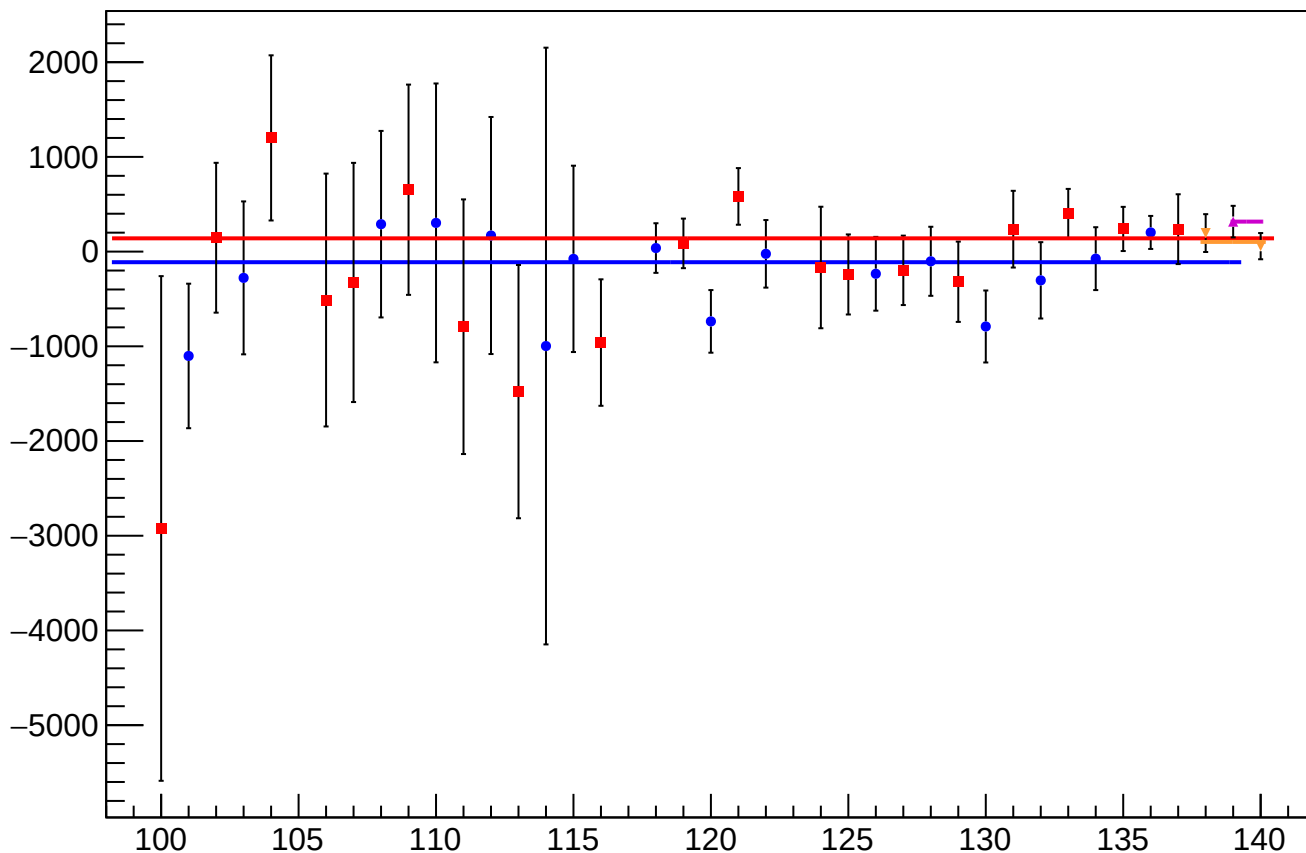
Left In: 138.901 $\pm$ 0.109 χ^2 /NDF:0.0/0

+ sign 190.303 $\pm$ 0.051 χ^2 /NDF: 3784030.7/17

All: 194.571 $\pm$ 0.038 χ^2 /NDF: 8076376.1/37

- sign 199.897 $\pm$ 0.057 χ^2 /NDF: 4276664.9/19

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916 ± 96.551 χ^2/NDF : 12.8/15

Left Out: 102.275 ± 113.757 χ^2/NDF : 0.3/1

Right Out: 139.974 ± 99.174 χ^2/NDF : 14.6/18

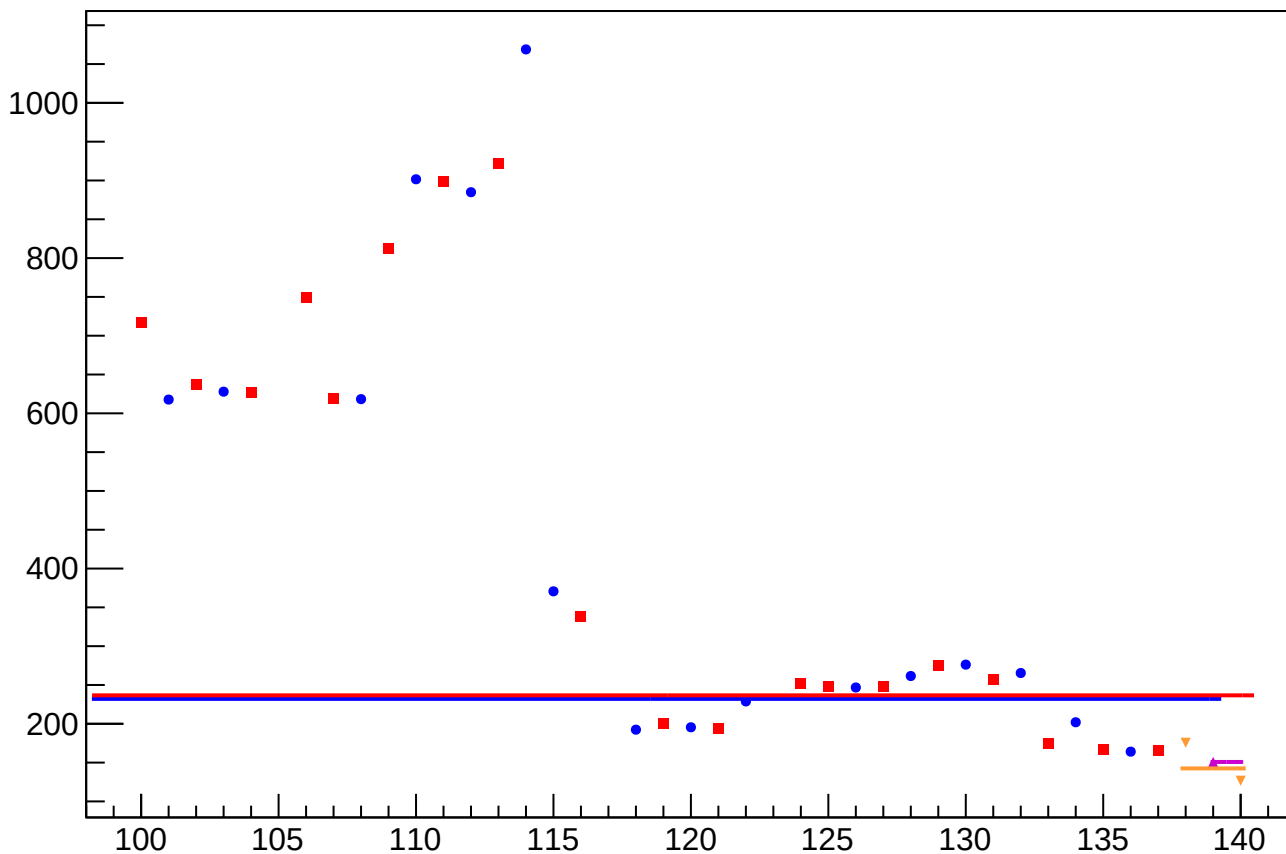
Left In: 316.555 ± 166.623 χ^2/NDF : 0.0/0

+ sign -22.229 ± 73.611 χ^2/NDF : 15.2/17

All: 66.817 ± 55.707 χ^2/NDF : 34.1/37

- sign 186.166 ± 85.221 χ^2/NDF : 15.5/19

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF : 2885510.6/15

Left Out: 142.509+/-0.080 χ^2/NDF : 81040.6/1

Right Out: 236.647+/-0.070 χ^2/NDF : 3521033.7/18

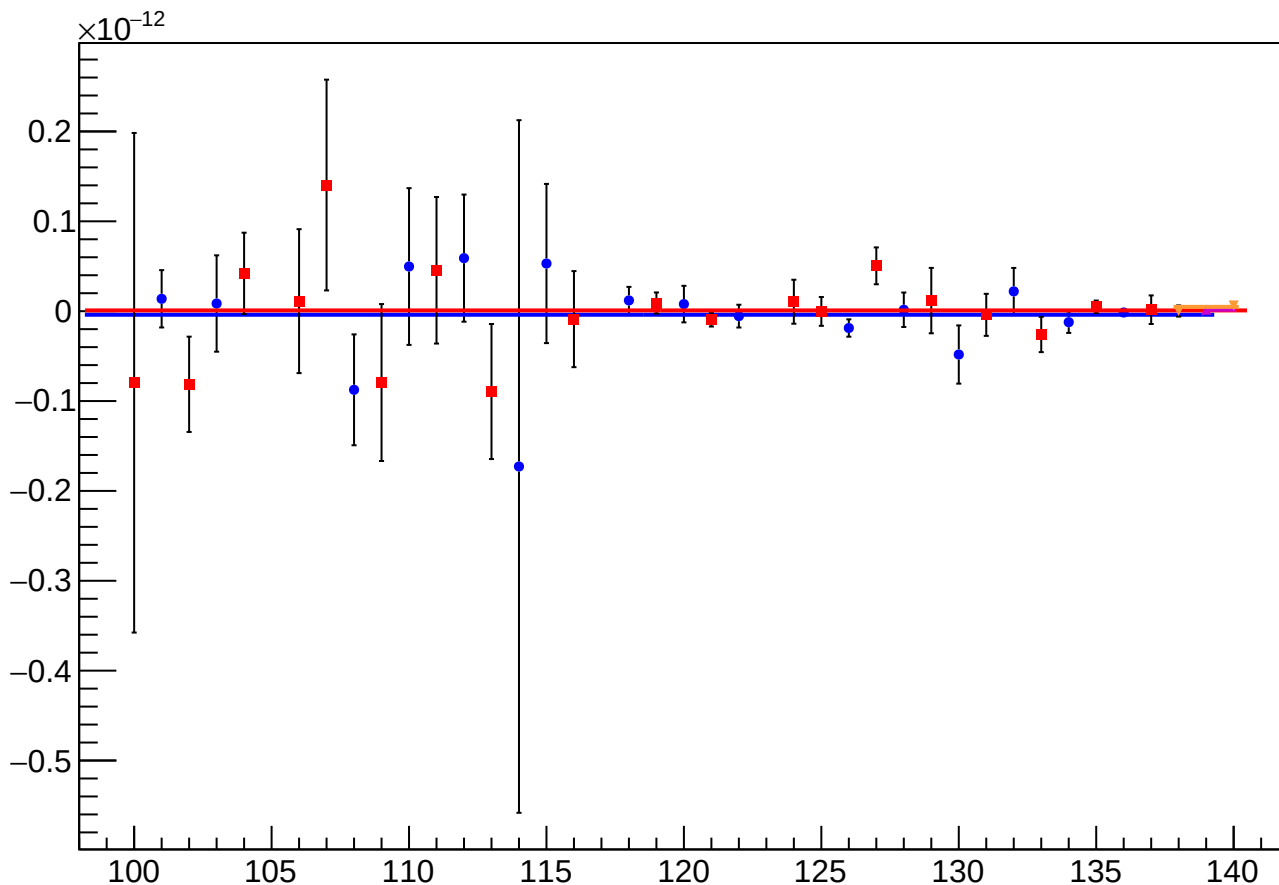
Left In: 150.819+/-0.118 χ^2/NDF : 0.0/0

+ sign 194.590+/-0.052 χ^2/NDF : 3687737.9/17

All: 202.967+/-0.039 χ^2/NDF : 7661236.8/37

- sign 214.195+/-0.060 χ^2/NDF : 3912878.0/19

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

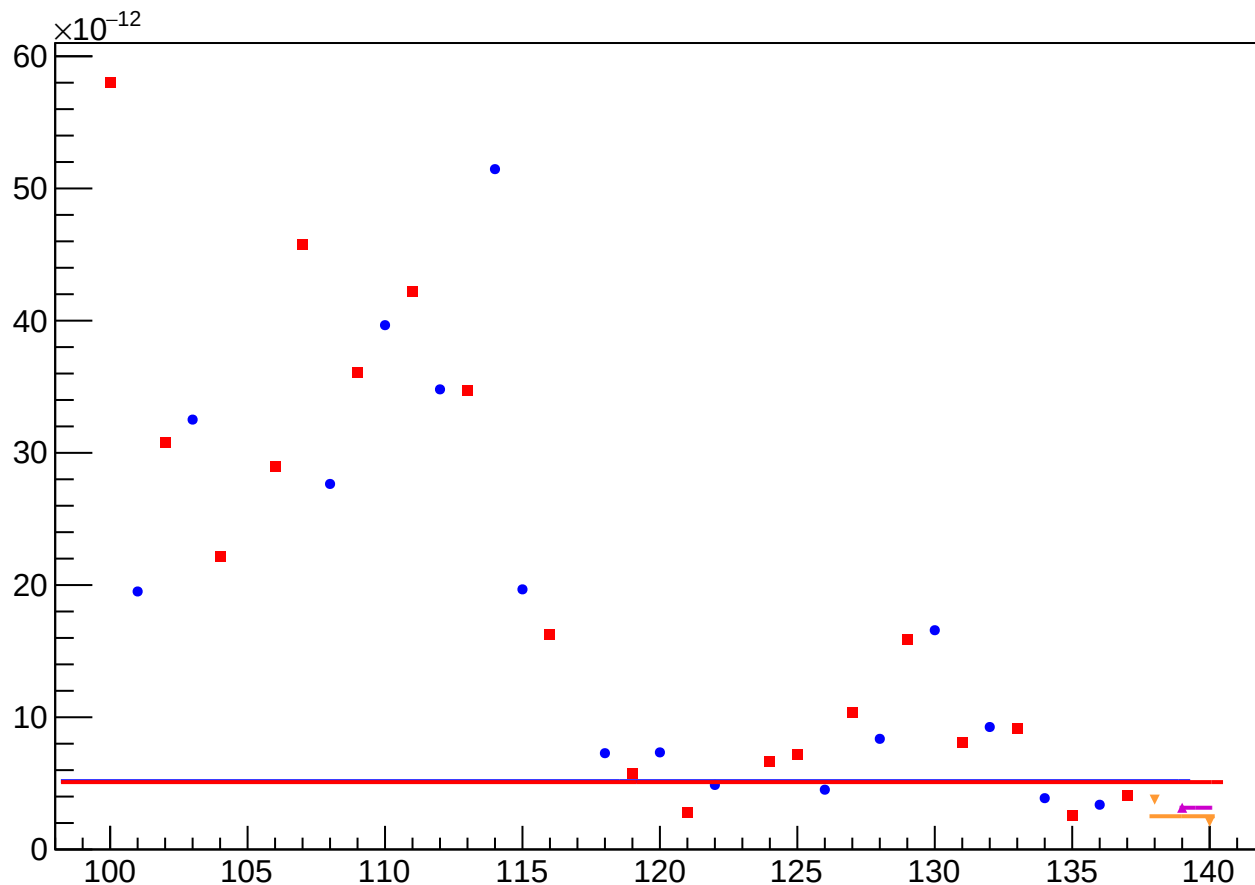
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/19

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 108726.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3236196.8/18

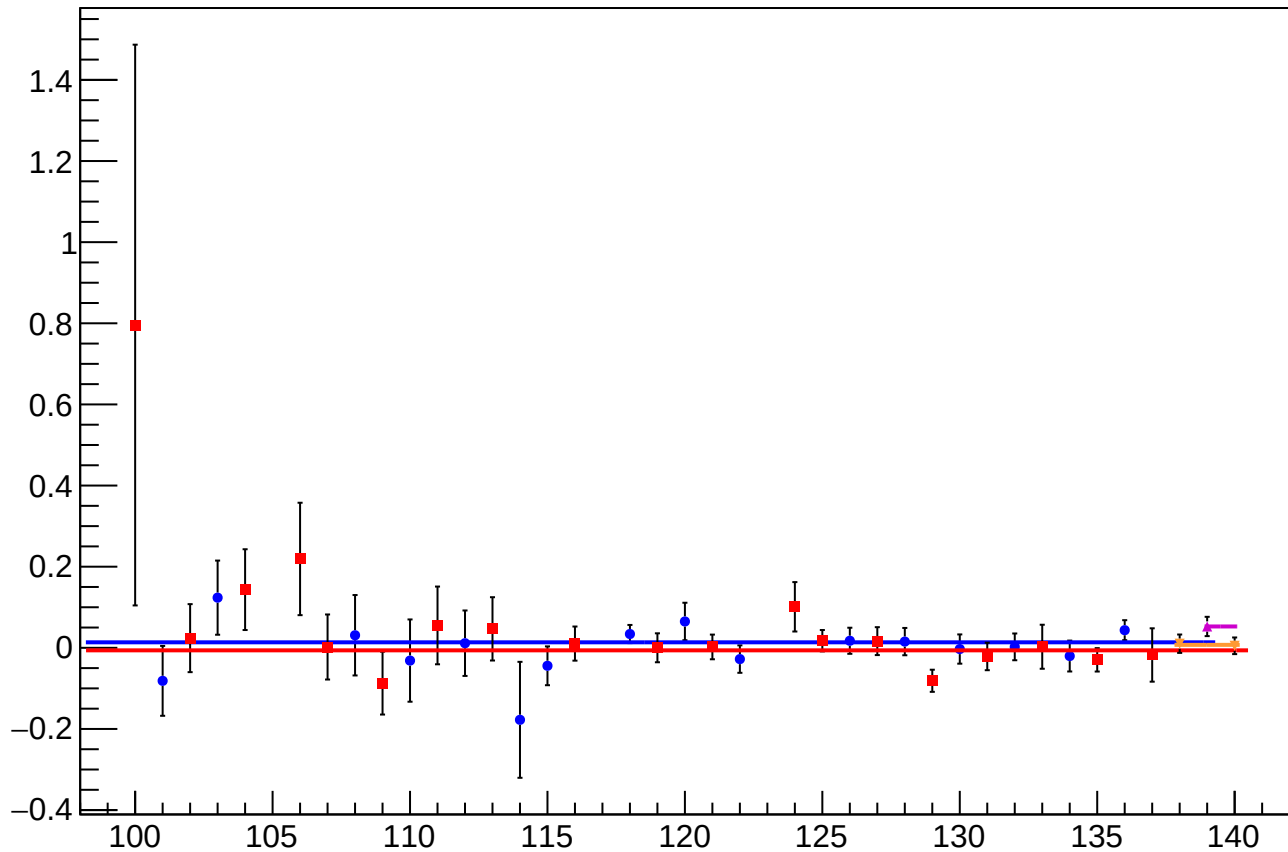
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3336642.3/17

All: 0.000+/-0.000 χ^2/NDF : 6827936.5/37

- sign 0.000+/-0.000 χ^2/NDF : 3418813.0/19

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: 0.007 ± 0.015 χ^2/NDF : 0.0/1

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

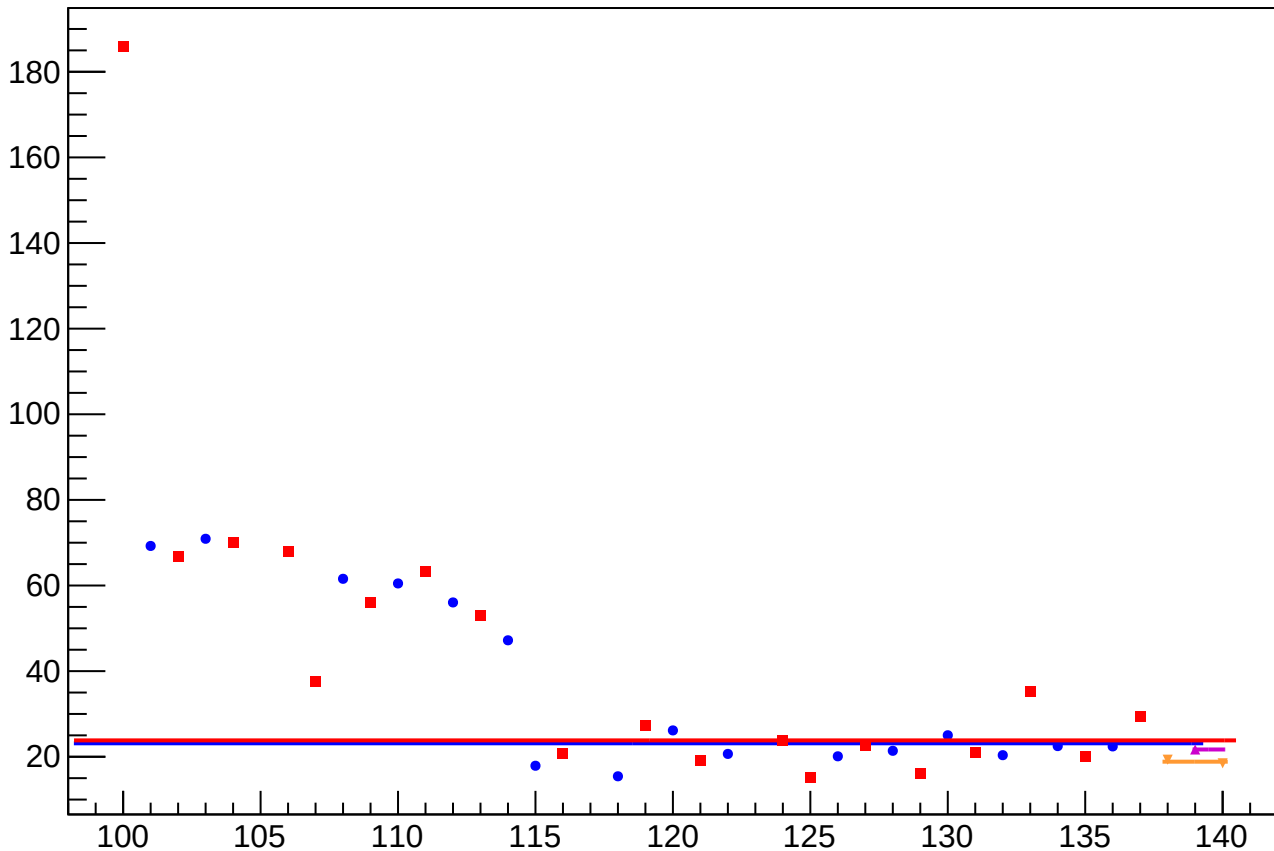
Left In: 0.053 ± 0.024 χ^2/NDF : 0.0/0

+ sign 0.012 ± 0.008 χ^2/NDF : 12.5/17

All: 0.008 ± 0.006 χ^2/NDF : 39.6/37

- sign 0.003 ± 0.009 χ^2/NDF : 26.6/19

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145 $\pm$ 0.007 χ^2 /NDF: 2406426.8/15

Left Out: 18.851 $\pm$ 0.011 χ^2 /NDF:1532.0/1

Right Out: 23.825 $\pm$ 0.007 χ^2 /NDF: 2898916.7/18

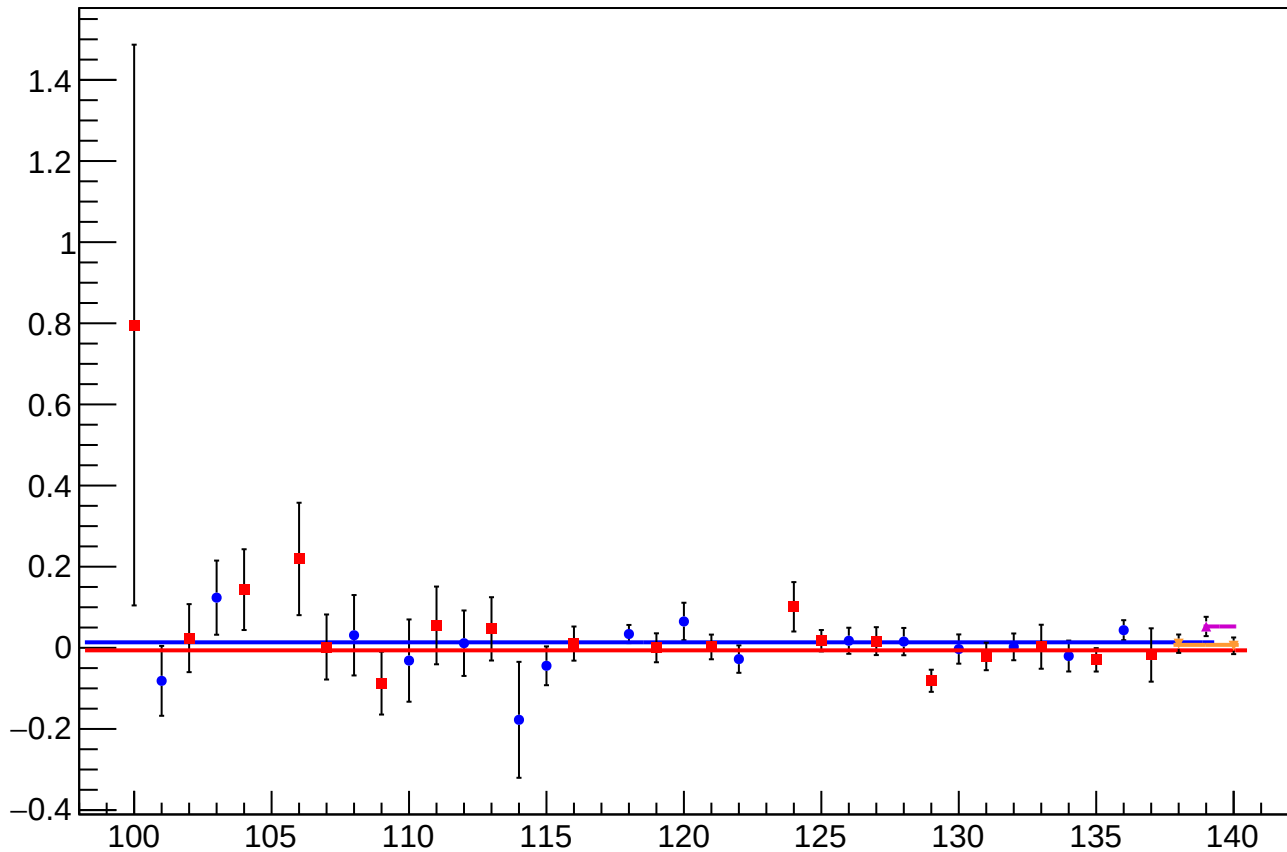
Left In: 21.700 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 21.876 $\pm$ 0.006 χ^2 /NDF: 2520336.4/17

All: 22.596 $\pm$ 0.004 χ^2 /NDF: 5467059.1/37

- sign 23.502 $\pm$ 0.007 χ^2 /NDF: 2912464.9/19

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.010 χ^2 /NDF: 12.3/15

Left Out: 0.007 $\pm$ 0.015 χ^2 /NDF:0.0/1

Right Out: -0.006 $\pm$ 0.010 χ^2 /NDF: 21.5/18

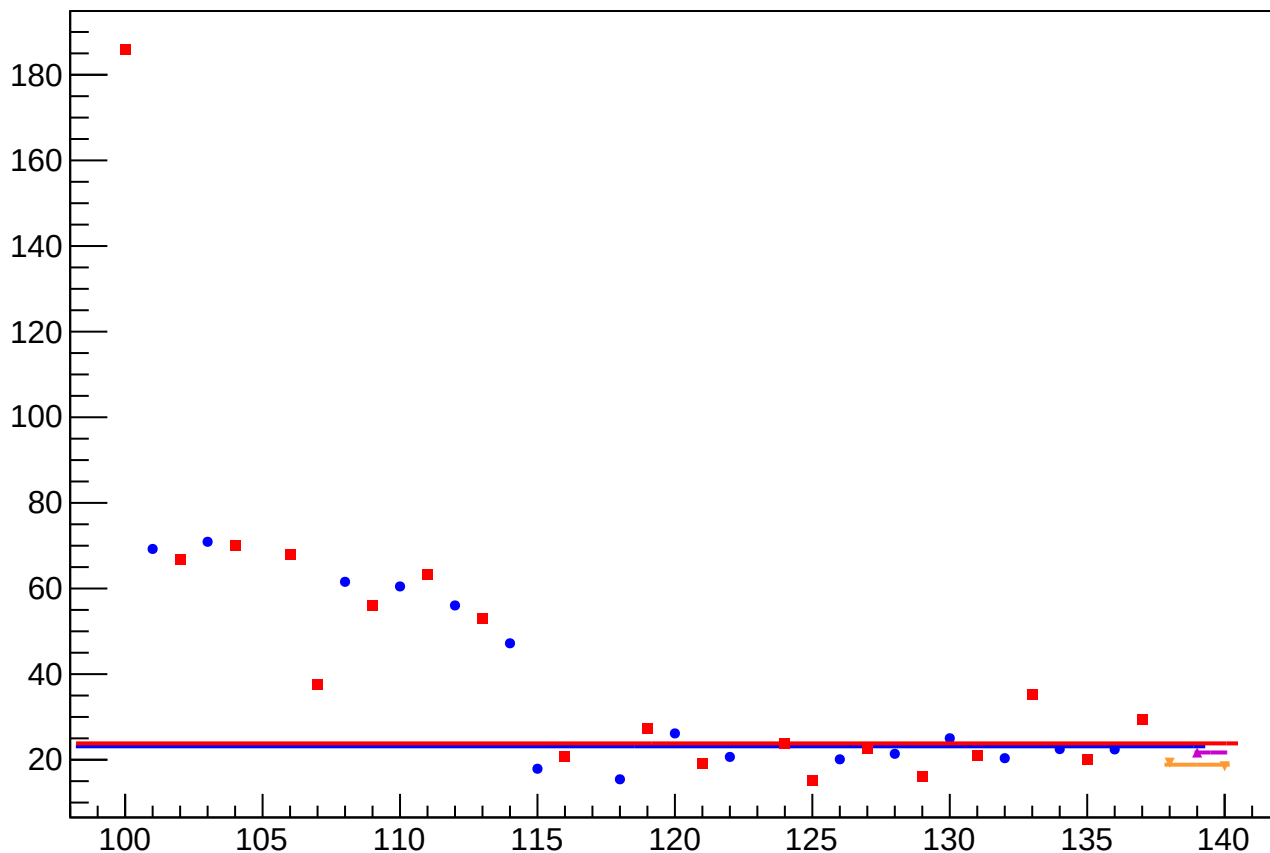
Left In: 0.053 $\pm$ 0.024 χ^2 /NDF:0.0/0

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 12.5/17

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 39.6/37

- sign 0.003 $\pm$ 0.009 χ^2 /NDF: 26.6/19

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.145 $\pm$ 0.007 χ^2 /NDF: 2406426.8/15

Left Out: 18.851 $\pm$ 0.011 χ^2 /NDF:1532.0/1

Right Out: 23.825 $\pm$ 0.007 χ^2 /NDF: 2898916.7/18

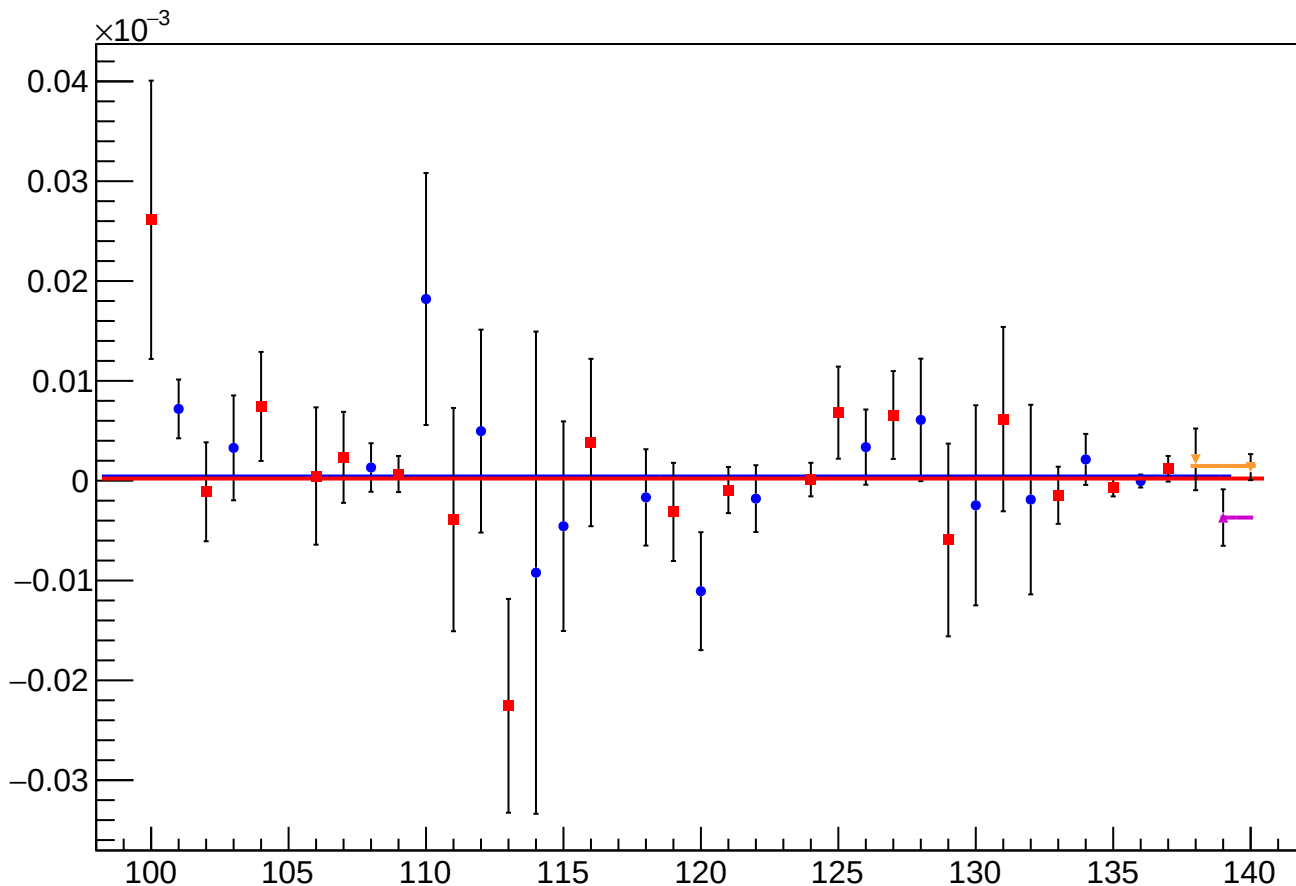
Left In: 21.700 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 21.876 $\pm$ 0.006 χ^2 /NDF: 2520336.4/17

All: 22.596 $\pm$ 0.004 χ^2 /NDF: 5467059.1/37

- sign 23.502 $\pm$ 0.007 χ^2 /NDF: 2912464.9/19

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

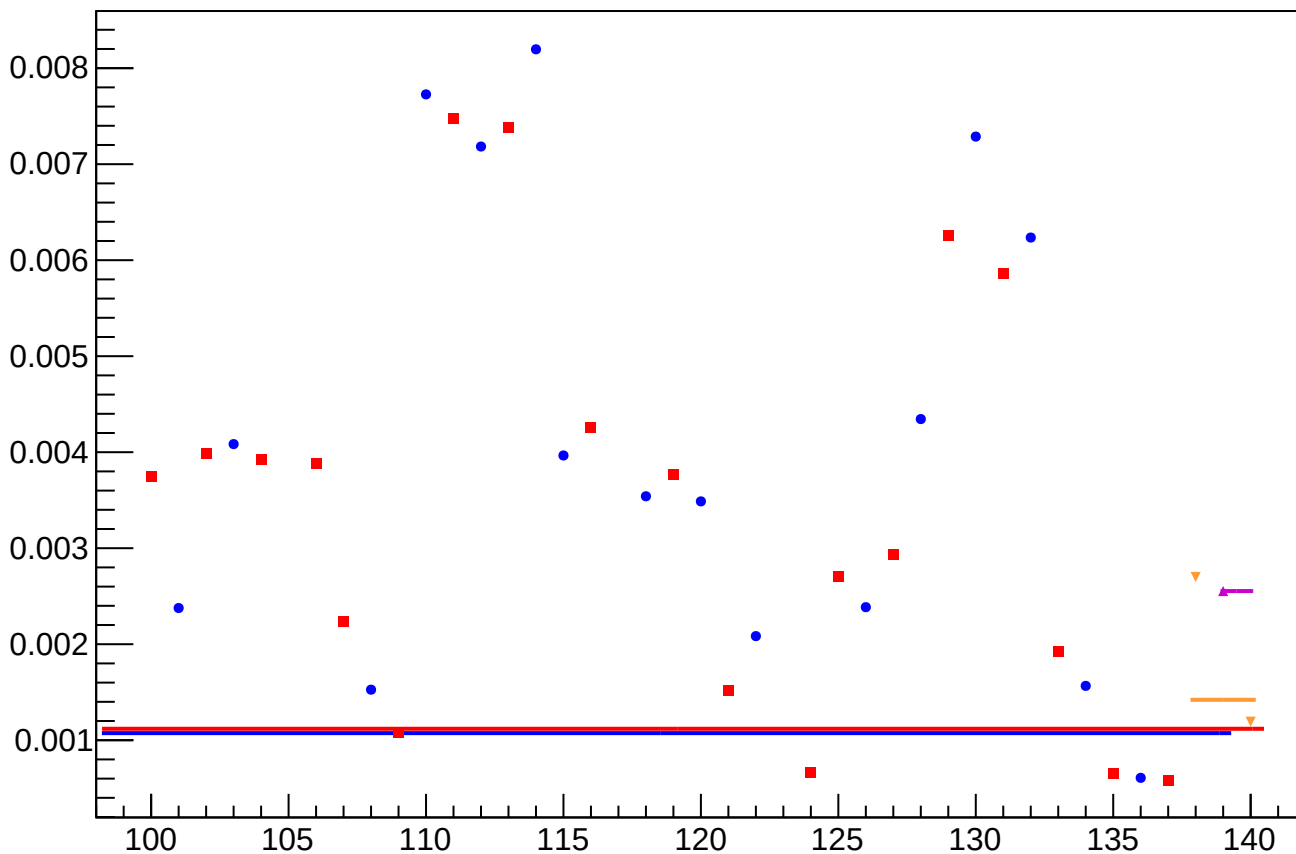
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/19

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF : 404437.7/1

Right Out: 0.001+/-0.000 χ^2/NDF : 6796343.2/18

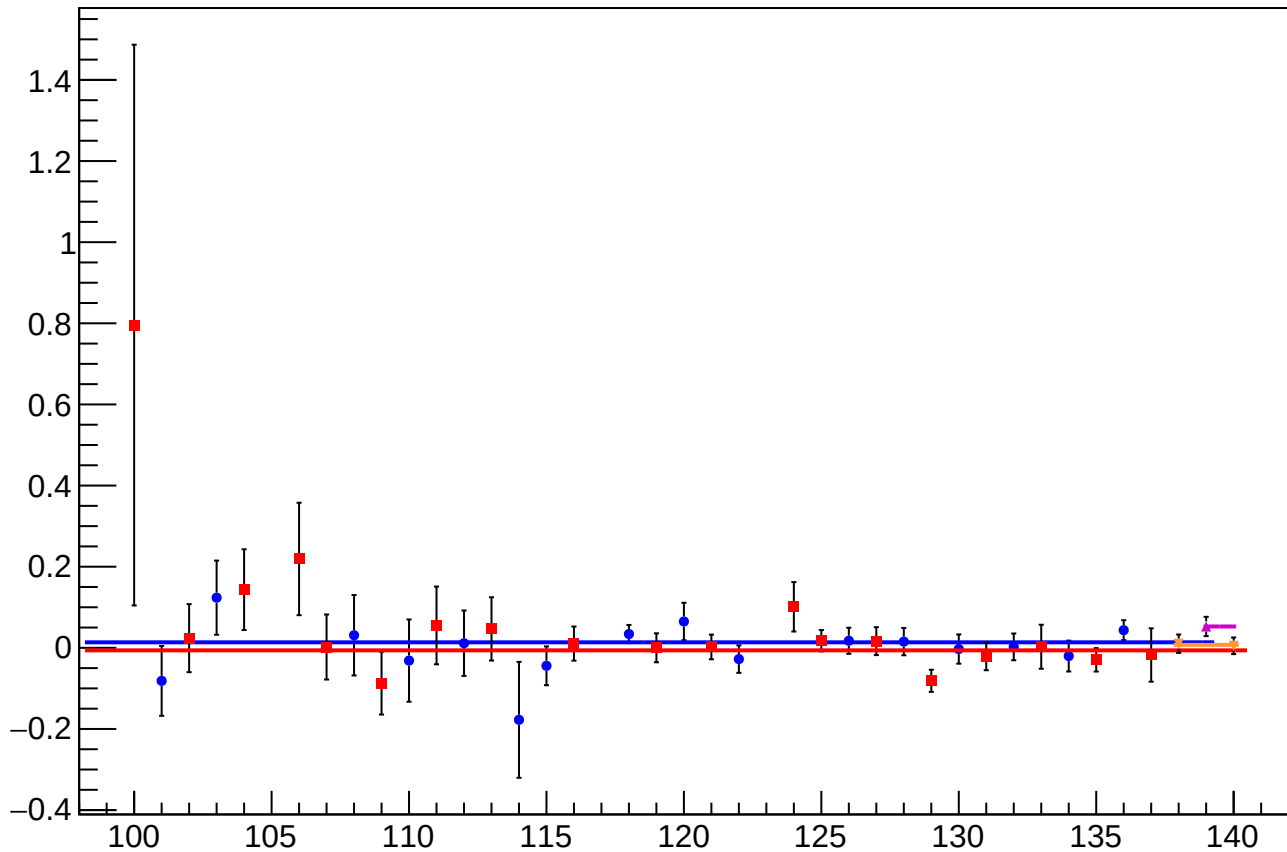
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 7586828.7/17

All: 0.001+/-0.000 χ^2/NDF : 14882882.0/37

- sign 0.001+/-0.000 χ^2/NDF : 7290696.8/19

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug

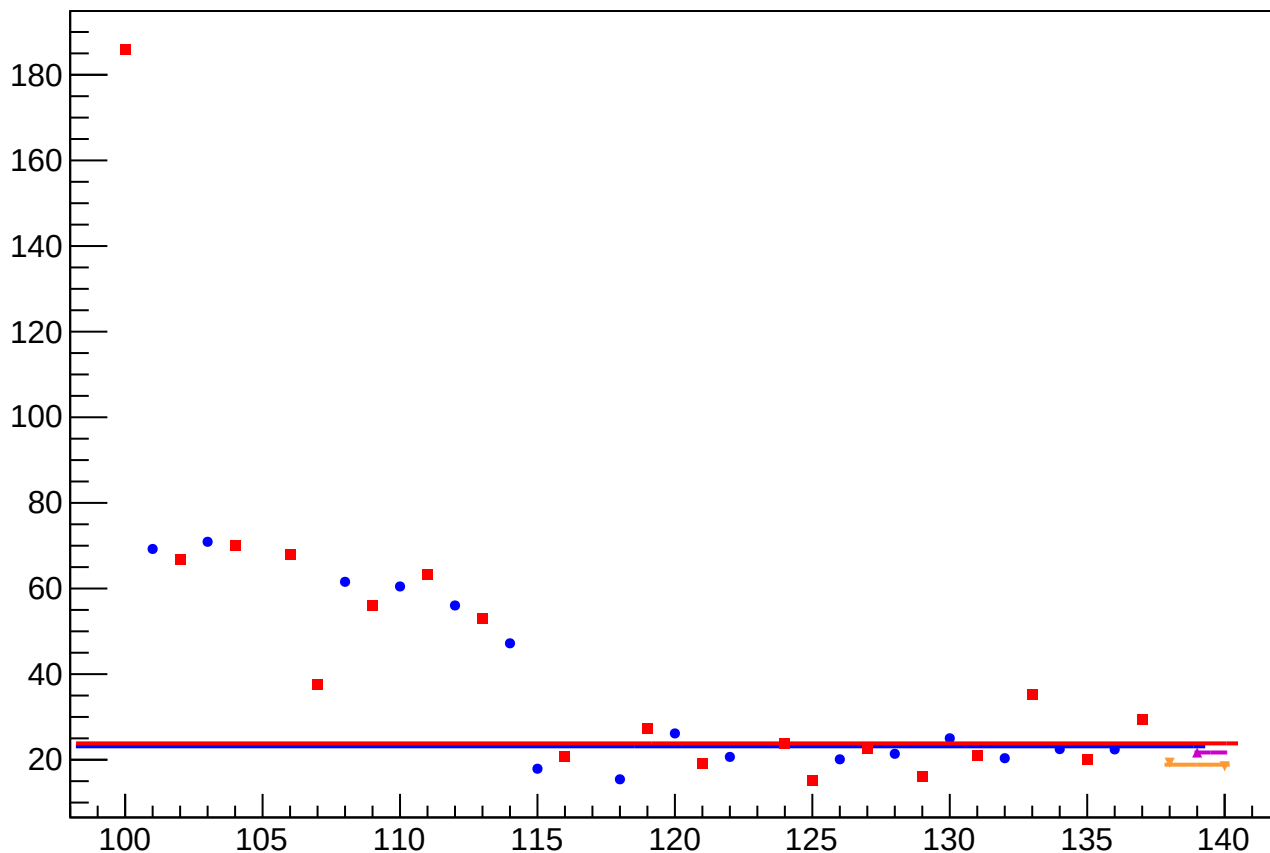


+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 12.5/17

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 39.7/37

- sign 0.003 $\pm$ 0.009 χ^2 /NDF: 26.7/19

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.144 $\pm$ 0.007 χ^2 /NDF: 2406451.1/15

Left Out: 18.852 $\pm$ 0.011 χ^2 /NDF:1531.2/1

Right Out: 23.824 $\pm$ 0.007 χ^2 /NDF: 2898863.9/18

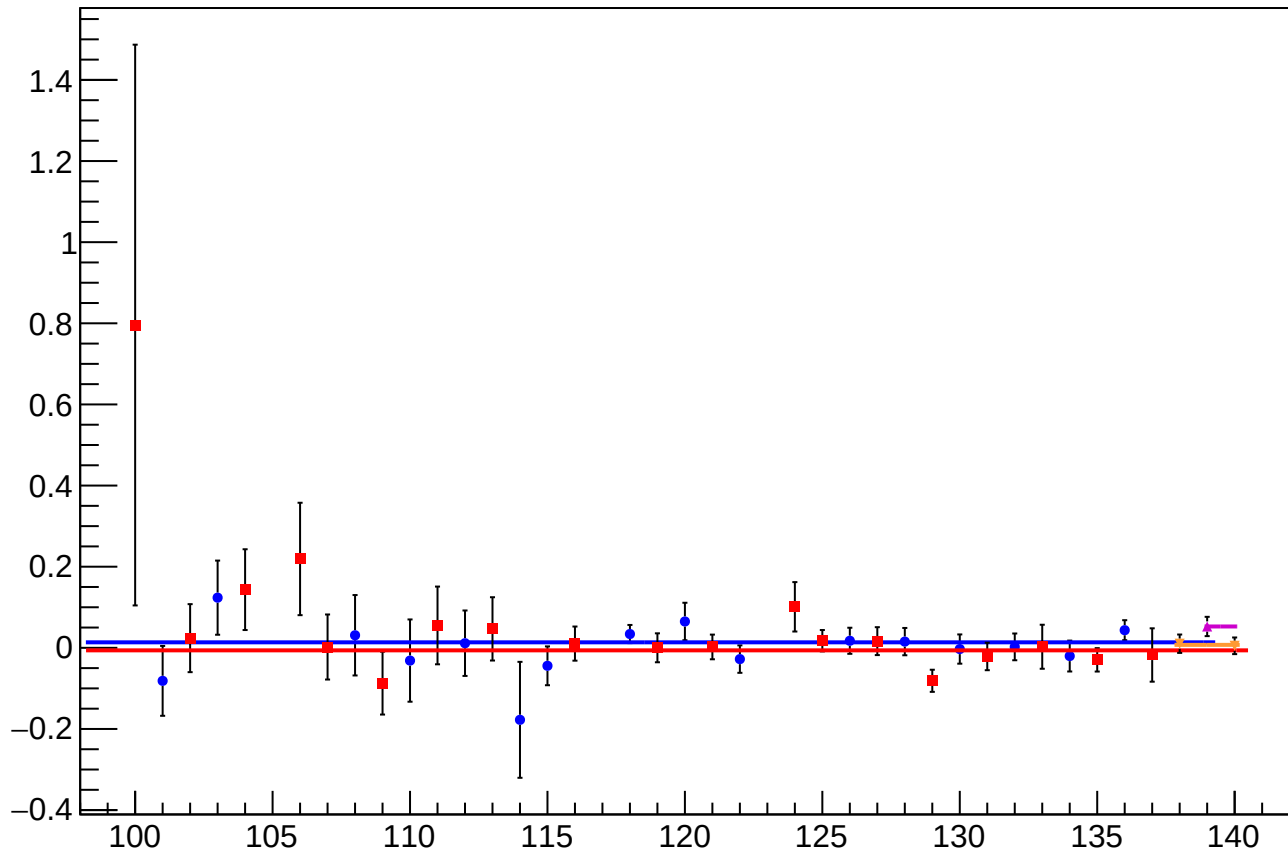
Left In: 21.699 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 21.876 $\pm$ 0.006 χ^2 /NDF: 2520267.8/17

All: 22.595 $\pm$ 0.004 χ^2 /NDF: 5466943.0/37

- sign 23.501 $\pm$ 0.007 χ^2 /NDF: 2912413.5/19

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.010 χ^2 /NDF: 12.3/15

Left Out: 0.007 $\pm$ 0.015 χ^2 /NDF:0.0/1

Right Out: -0.006 $\pm$ 0.010 χ^2 /NDF: 21.5/18

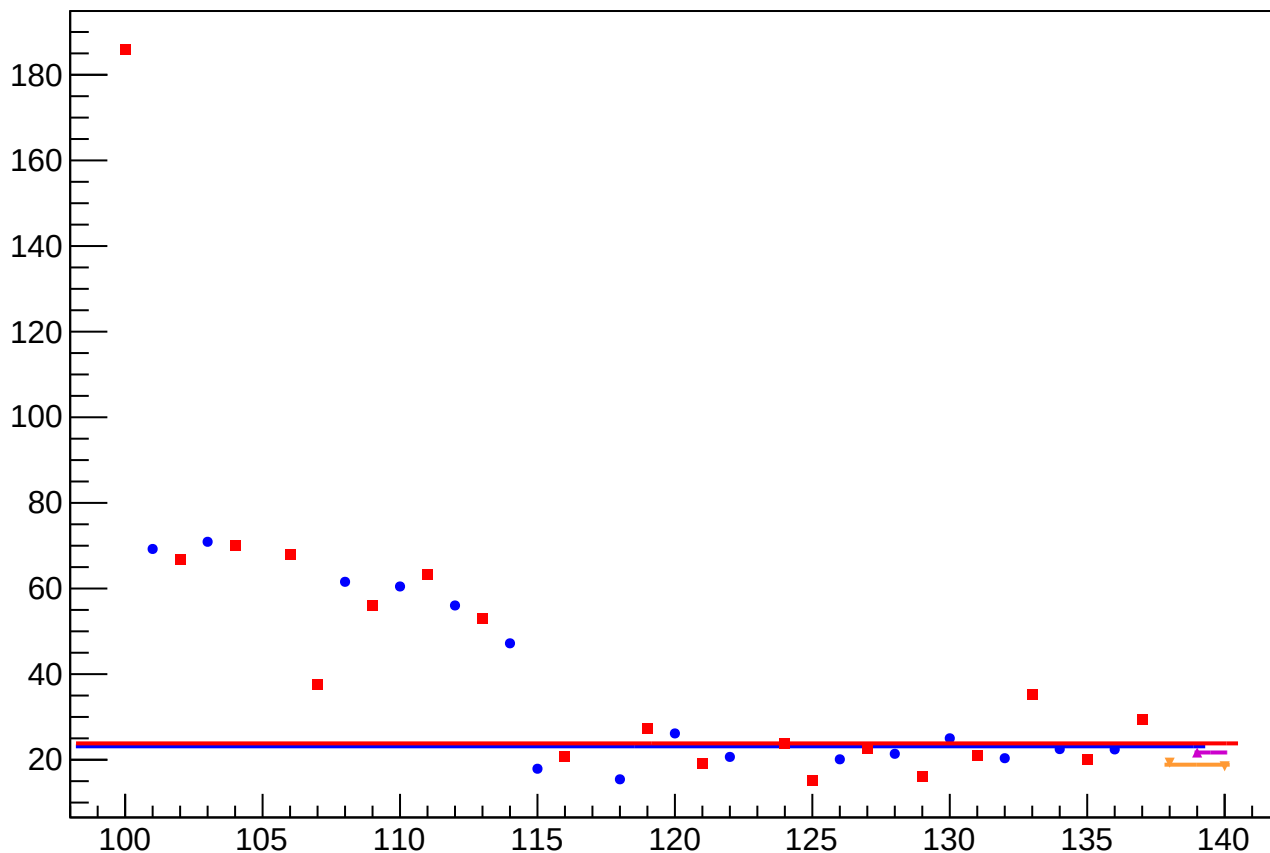
Left In: 0.053 $\pm$ 0.024 χ^2 /NDF:0.0/0

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 12.5/17

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 39.7/37

- sign 0.003 $\pm$ 0.009 χ^2 /NDF: 26.7/19

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.144+/-0.007 χ^2/NDF : 2406451.1/15

Left Out: 18.852+/-0.011 χ^2/NDF :1531.2/1

Right Out: 23.824+/-0.007 χ^2/NDF : 2898863.9/18

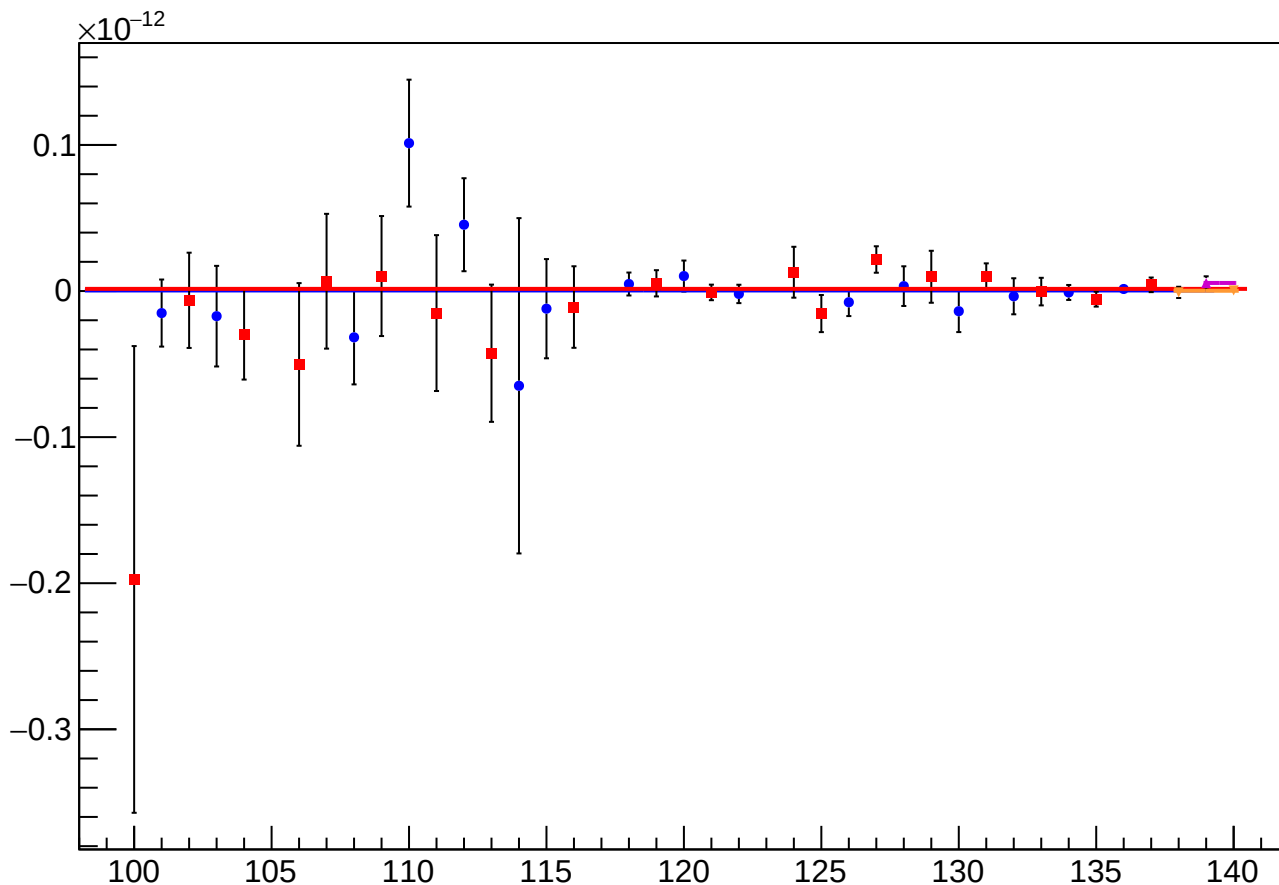
Left In: 21.699+/-0.017 χ^2/NDF :0.0/0

+ sign 21.876+/-0.006 χ^2/NDF : 2520267.8/17

All: 22.595+/-0.004 χ^2/NDF : 5466943.0/37

- sign 23.501+/-0.007 χ^2/NDF : 2912413.5/19

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

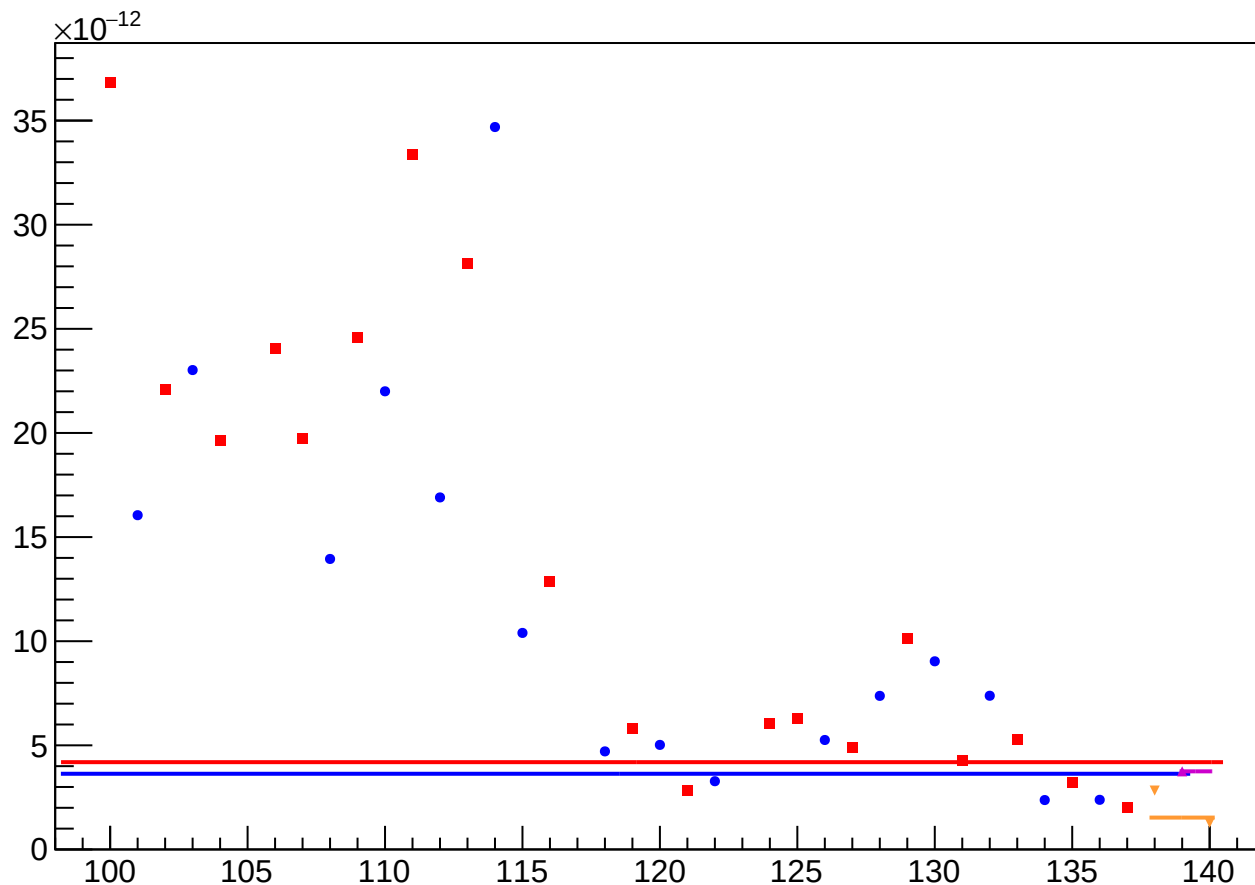
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/19

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3590314.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:270480.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4454808.3/18

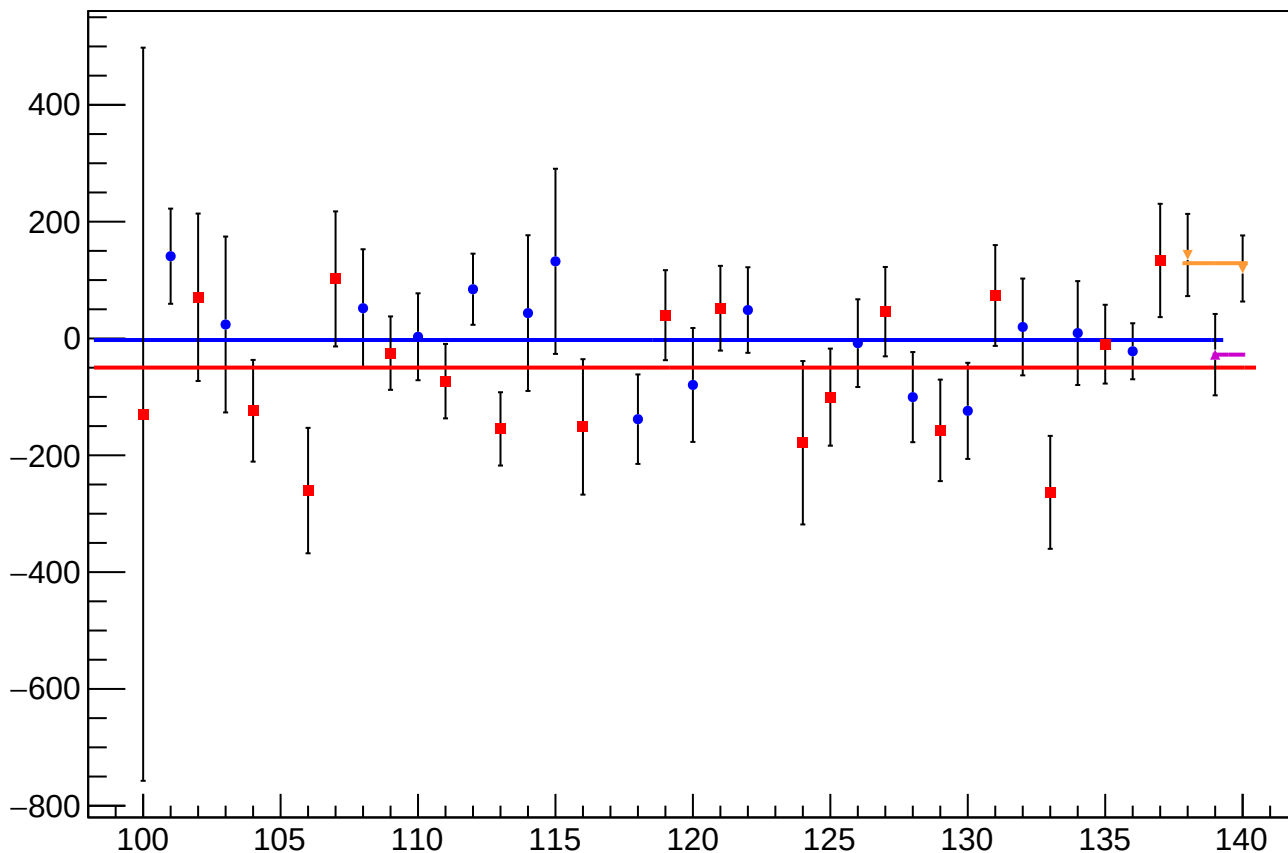
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5195177.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10763628.2/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4469547.5/19

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614 ± 19.994 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 128.926 ± 44.095 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -49.810 ± 19.621 $\chi^2/\text{NDF}: 29.4/18$

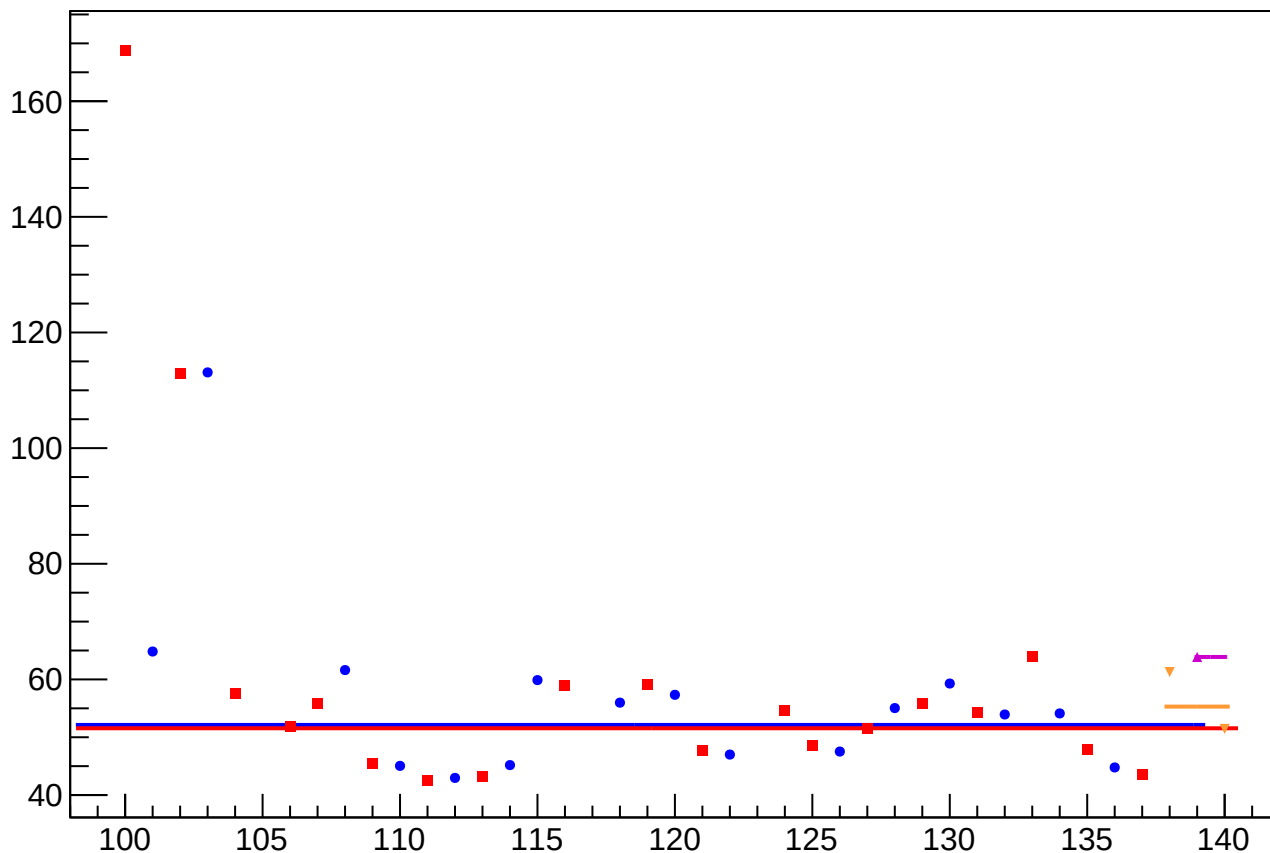
Left In: -27.664 ± 69.666 $\chi^2/\text{NDF}: 0.0/0$

+ sign 19.819 ± 18.210 $\chi^2/\text{NDF}: 22.0/17$

All: -12.942 ± 13.109 $\chi^2/\text{NDF}: 58.2/37$

- sign -48.182 ± 18.886 $\chi^2/\text{NDF}: 29.4/19$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562918.0/15

Left Out: 55.299 $\pm$ 0.031 χ^2 /NDF: 23736.0/1

Right Out: 51.550 $\pm$ 0.014 χ^2 /NDF: 639564.9/18

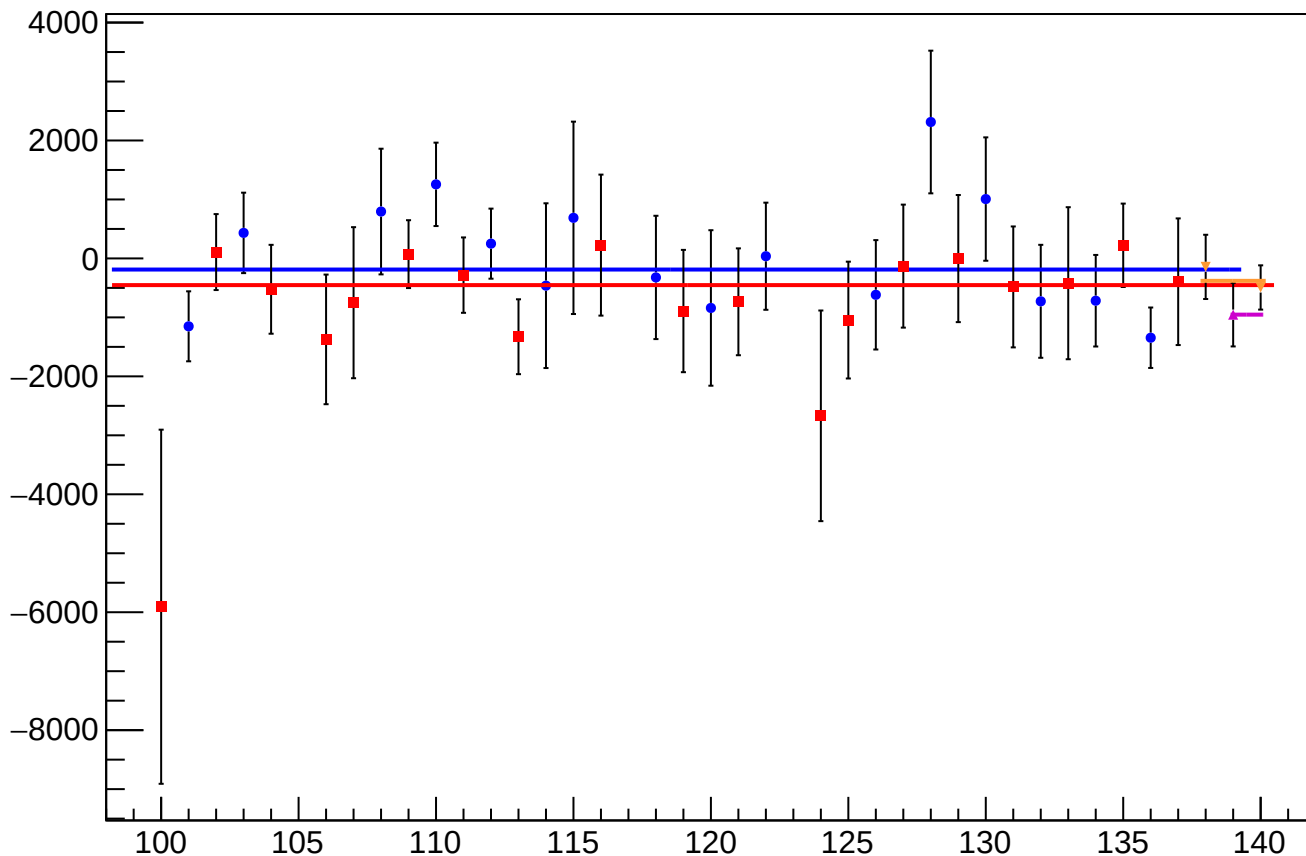
Left In: 63.883 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 52.669 $\pm$ 0.013 χ^2 /NDF: 595231.0/17

All: 52.567 $\pm$ 0.009 χ^2 /NDF: 1293003.6/37

- sign 52.456 $\pm$ 0.013 χ^2 /NDF: 697640.9/19

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF : 21.4/15

Left Out: -380.289+/-309.092 χ^2/NDF : 0.3/1

Right Out: -452.540+/-203.918 χ^2/NDF : 11.3/18

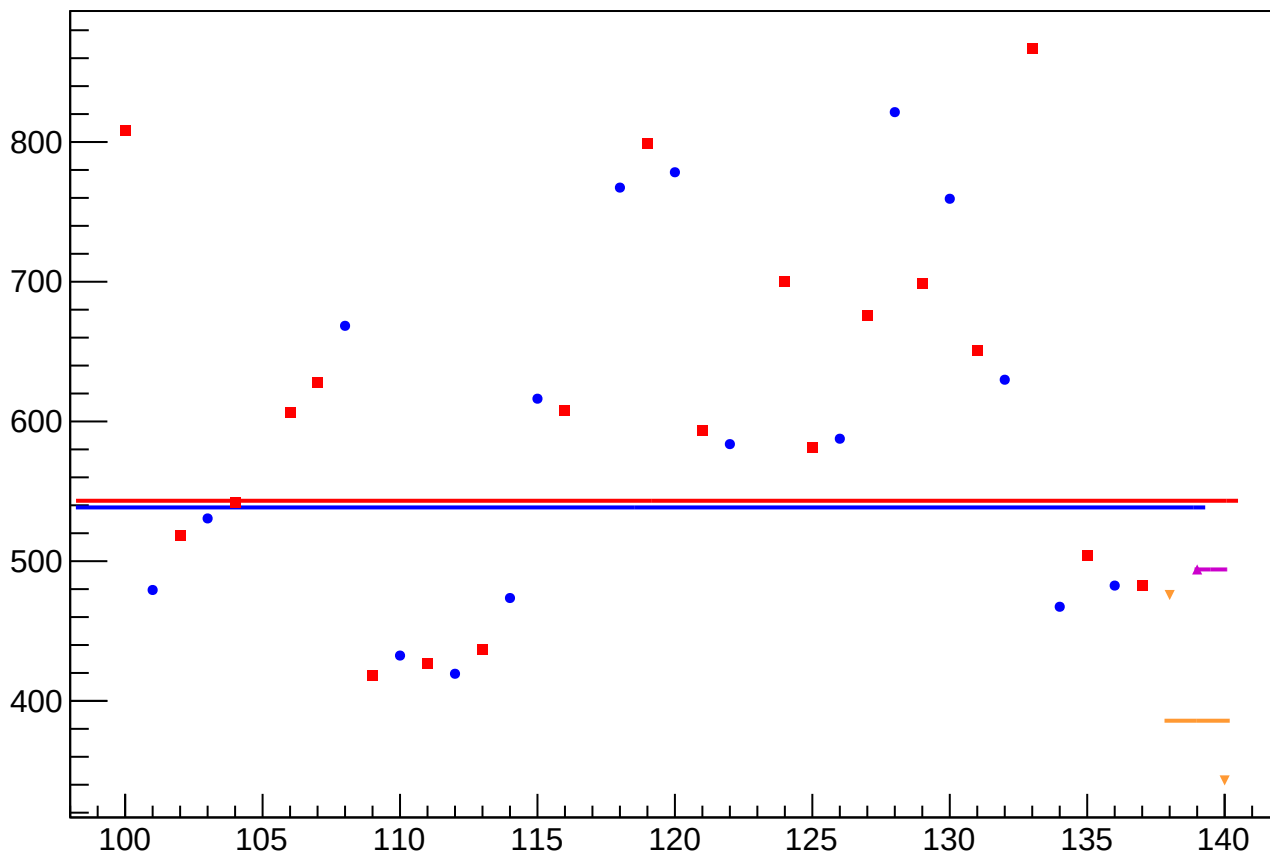
Left In: -953.451+/-539.045 χ^2/NDF : 0.0/0

+ sign -247.456+/-171.309 χ^2/NDF : 21.9/17

All: -367.031+/-127.448 χ^2/NDF : 35.1/37

- sign -515.249+/-190.727 χ^2/NDF : 12.1/19

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF : 613995.2/15

Left Out: 385.817+/-0.219 χ^2/NDF : 80489.9/1

Right Out: 543.242+/-0.144 χ^2/NDF : 637115.5/18

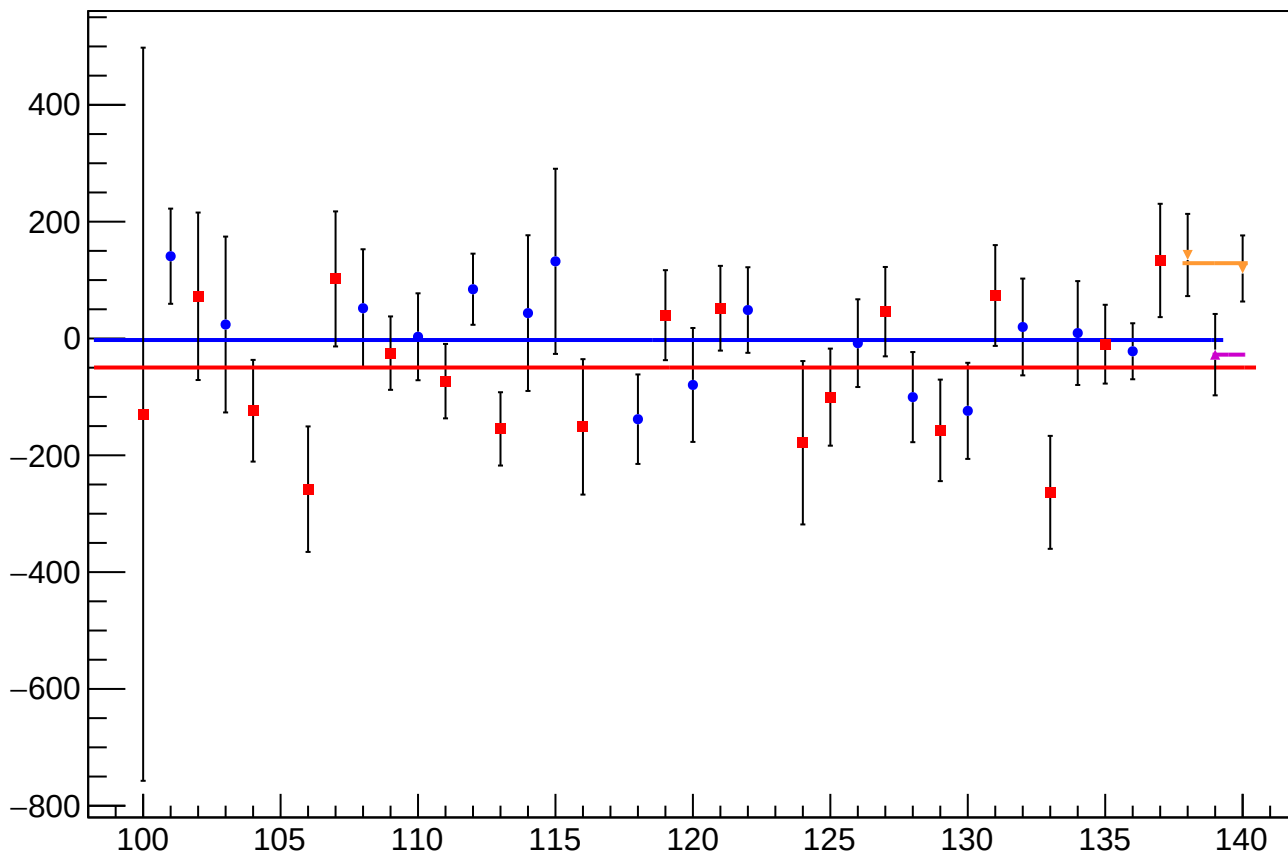
Left In: 494.079+/-0.381 χ^2/NDF : 0.0/0

+ sign 491.577+/-0.121 χ^2/NDF : 1032451.0/17

All: 511.898+/-0.090 χ^2/NDF : 1747145.2/37

- sign 537.087+/-0.135 χ^2/NDF : 651668.9/19

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 128.932 ± 44.095 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -49.694 ± 19.622 $\chi^2/\text{NDF}: 29.3/18$

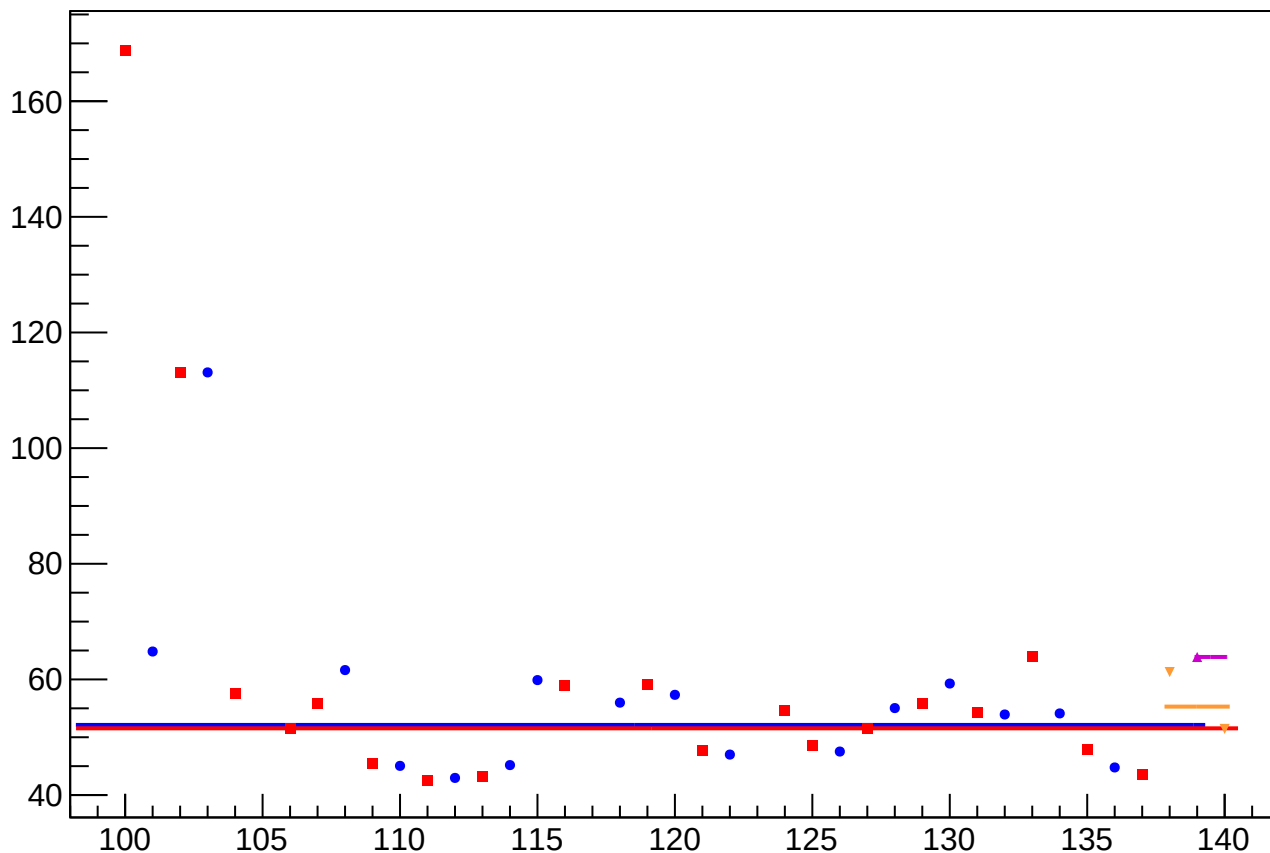
Left In: -27.667 ± 69.666 $\chi^2/\text{NDF}: 0.0/0$

+ sign 19.816 ± 18.210 $\chi^2/\text{NDF}: 22.0/17$

All: -12.891 ± 13.109 $\chi^2/\text{NDF}: 58.1/37$

- sign -48.075 ± 18.887 $\chi^2/\text{NDF}: 29.4/19$

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 55.299 $\pm$ 0.031 χ^2 /NDF: 23736.0/1

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

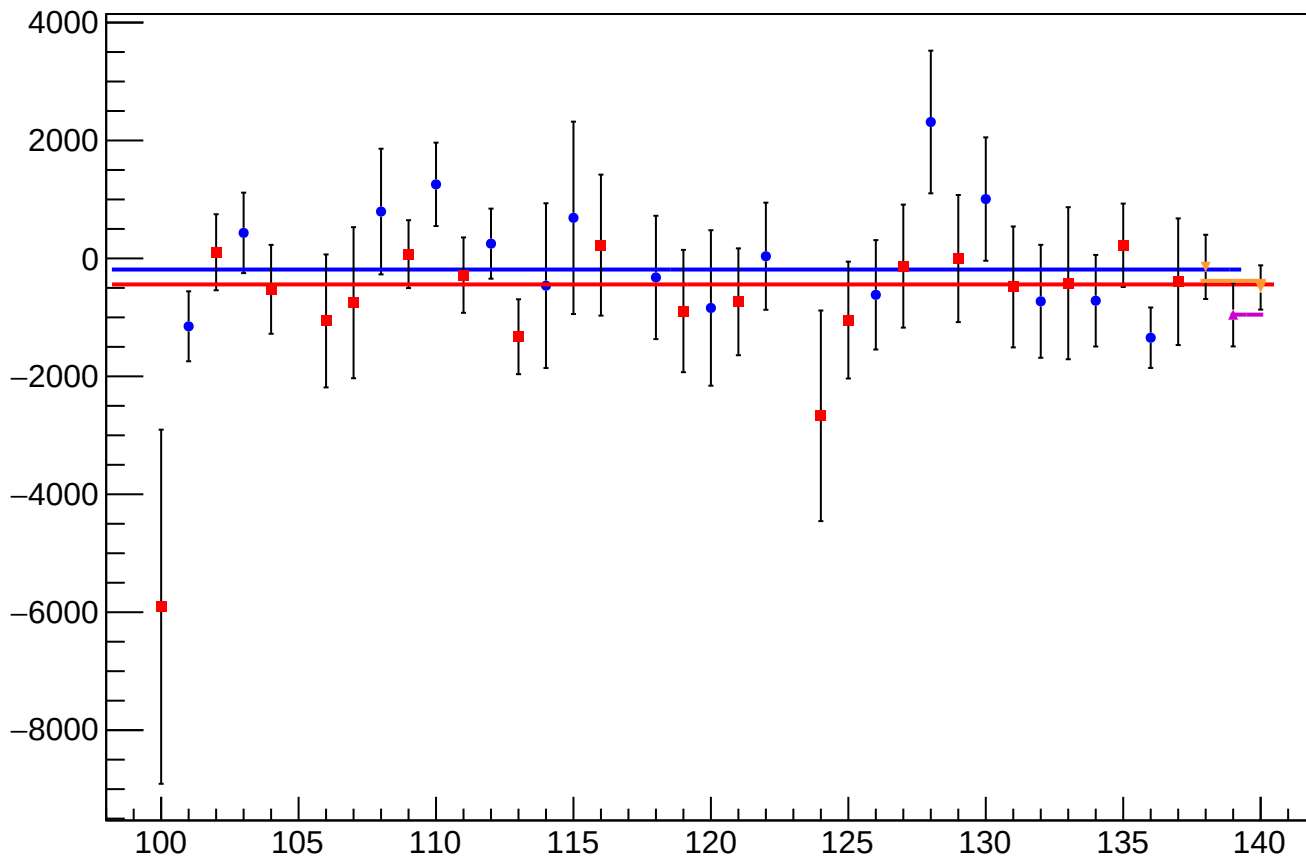
Left In: 63.883 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 52.669 $\pm$ 0.013 χ^2 /NDF: 595233.3/17

All: 52.562 $\pm$ 0.009 χ^2 /NDF: 1293334.6/37

- sign 52.447 $\pm$ 0.013 χ^2 /NDF: 697957.5/19

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2 /NDF: 21.4/15

Left Out: -380.285+/-309.092 χ^2 /NDF:0.3/1

Right Out: -441.171+/-204.111 χ^2 /NDF: 10.9/18

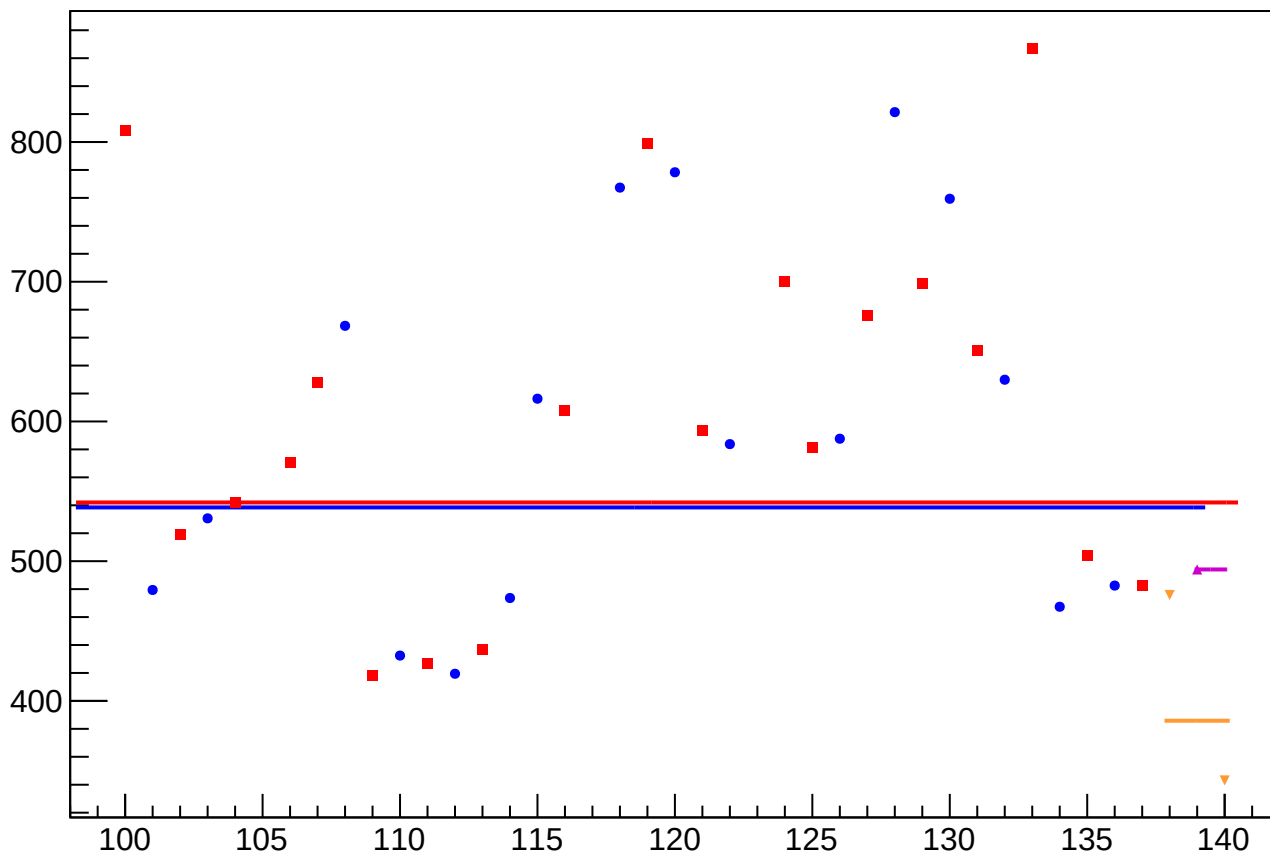
Left In: -953.457+/-539.044 χ^2 /NDF:0.0/0

+ sign -247.441+/-171.310 χ^2 /NDF: 21.9/17

All: -362.525+/-127.495 χ^2 /NDF: 34.6/37

- sign -505.411+/-190.885 χ^2 /NDF: 11.7/19

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF : 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF : 80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF : 631559.6/18

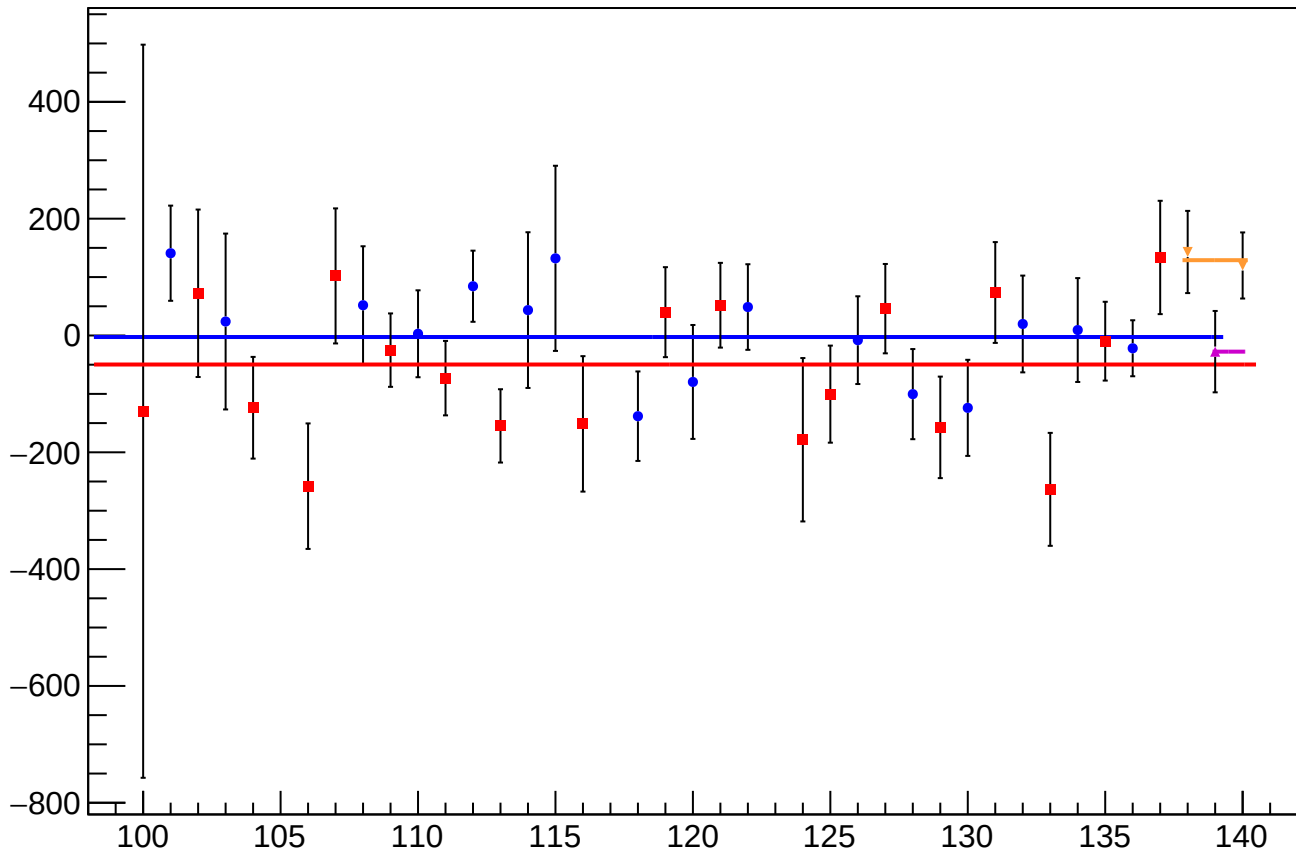
Left In: 494.078+/-0.381 χ^2/NDF : 0.0/0

+ sign 491.580+/-0.121 χ^2/NDF : 1032470.6/17

All: 511.402+/-0.090 χ^2/NDF : 1737891.6/37

- sign 536.013+/-0.135 χ^2/NDF : 645398.8/19

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 128.932 ± 44.095 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -49.694 ± 19.622 $\chi^2/\text{NDF}: 29.3/18$

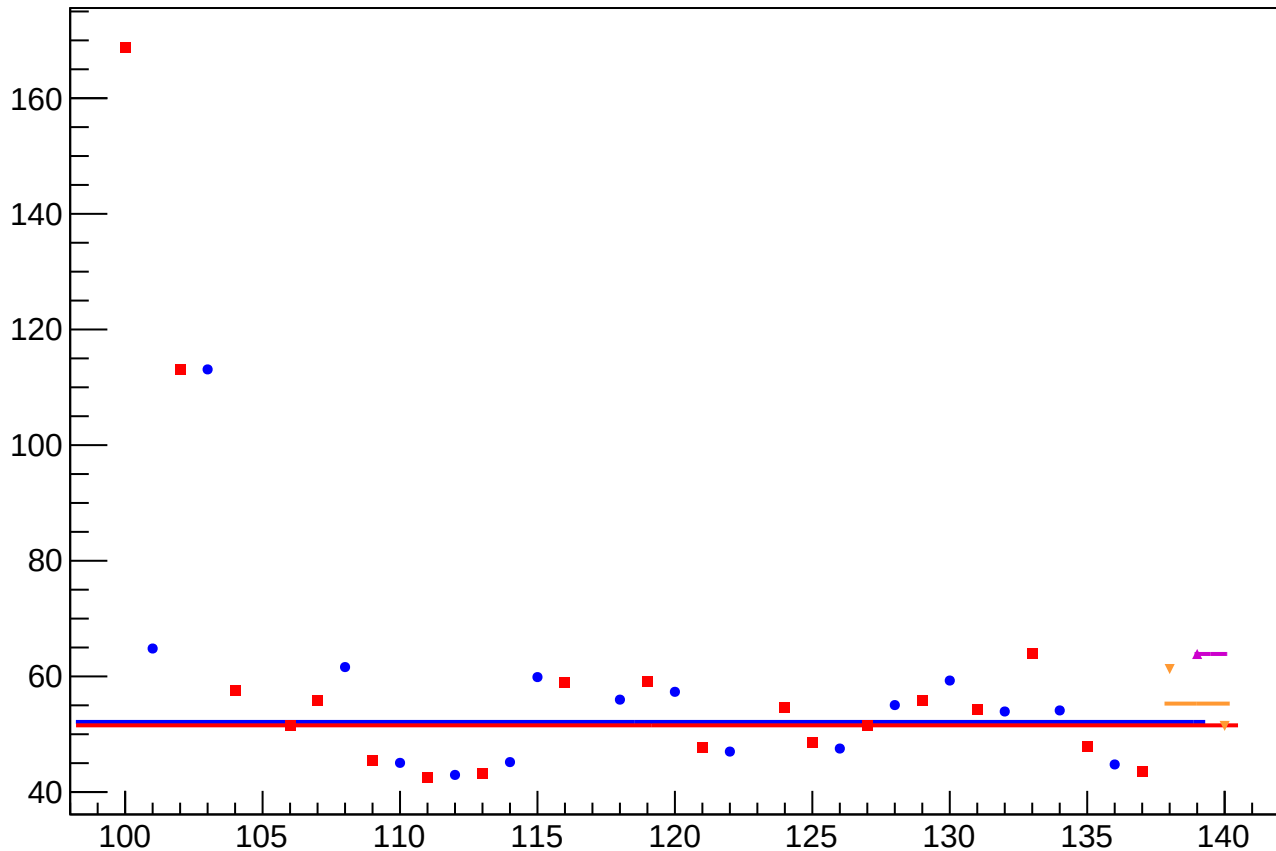
Left In: -27.667 ± 69.666 $\chi^2/\text{NDF}: 0.0/0$

+ sign 19.816 ± 18.210 $\chi^2/\text{NDF}: 22.0/17$

All: -12.891 ± 13.109 $\chi^2/\text{NDF}: 58.1/37$

- sign -48.075 ± 18.887 $\chi^2/\text{NDF}: 29.4/19$

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 55.299 $\pm$ 0.031 χ^2 /NDF: 23736.0/1

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

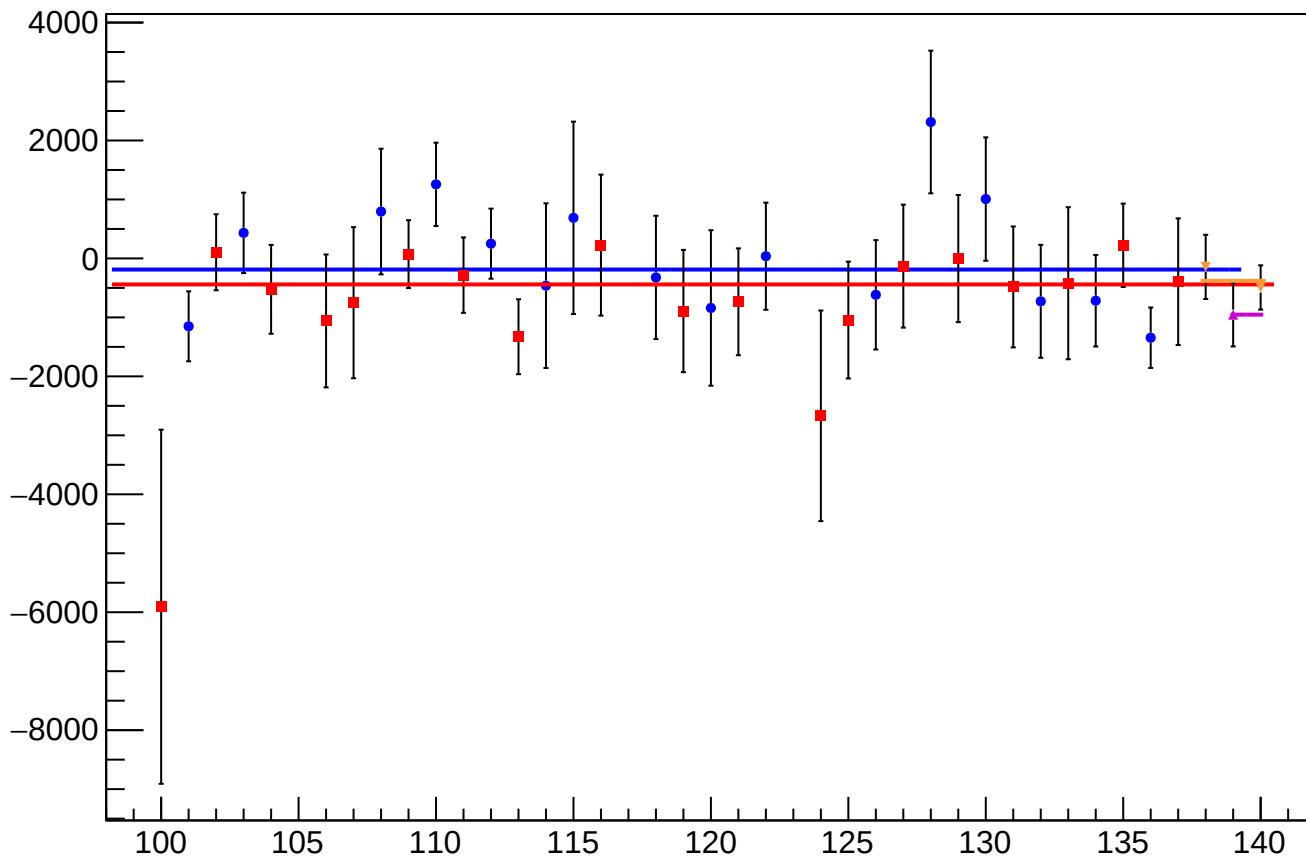
Left In: 63.883 $\pm$ 0.049 χ^2 /NDF: 0.0/0

+ sign 52.669 $\pm$ 0.013 χ^2 /NDF: 595233.3/17

All: 52.562 $\pm$ 0.009 χ^2 /NDF: 1293334.6/37

- sign 52.447 $\pm$ 0.013 χ^2 /NDF: 697957.5/19

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF : 21.4/15

Left Out: -380.285+/-309.092 χ^2/NDF : 0.3/1

Right Out: -441.171+/-204.111 χ^2/NDF : 10.9/18

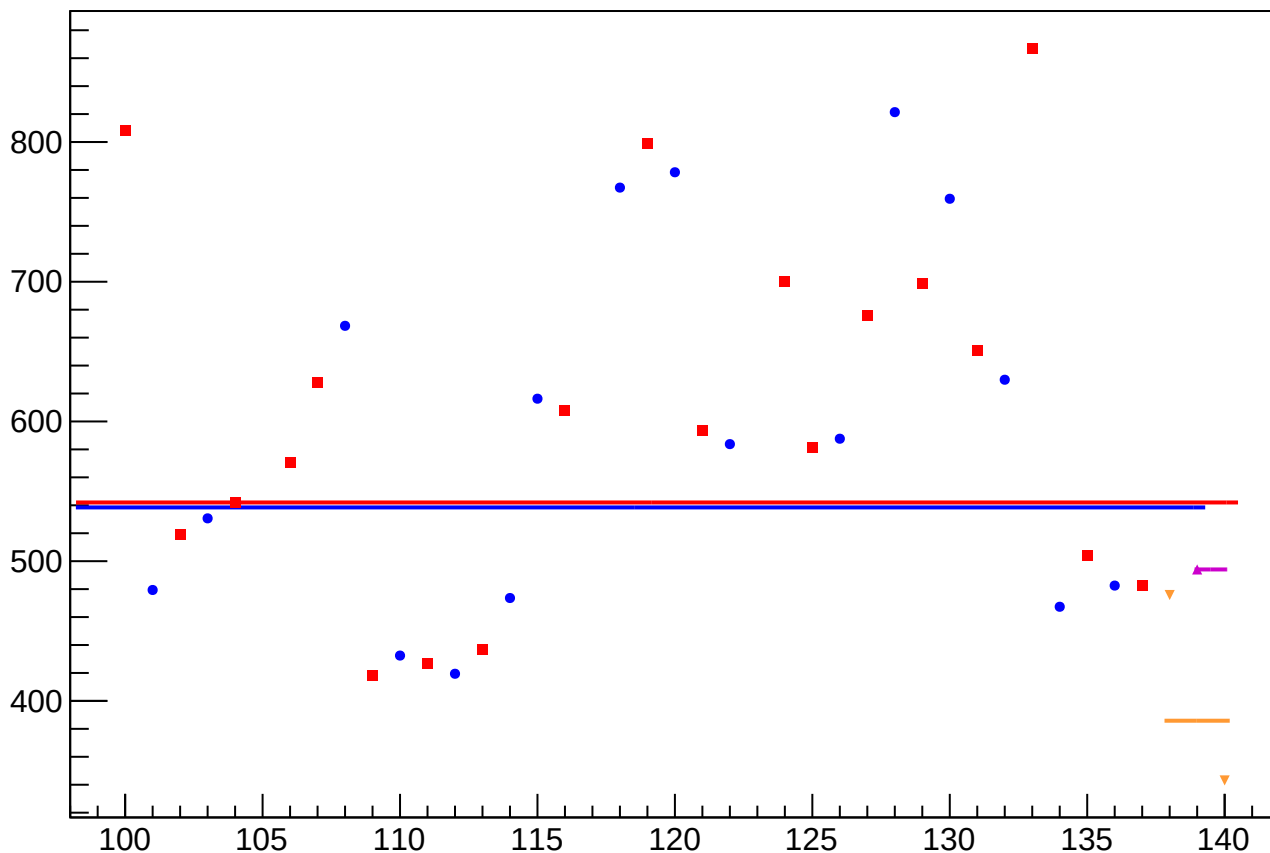
Left In: -953.457+/-539.044 χ^2/NDF : 0.0/0

+ sign -247.441+/-171.310 χ^2/NDF : 21.9/17

All: -362.525+/-127.495 χ^2/NDF : 34.6/37

- sign -505.411+/-190.885 χ^2/NDF : 11.7/19

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF : 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF : 80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF : 631559.6/18

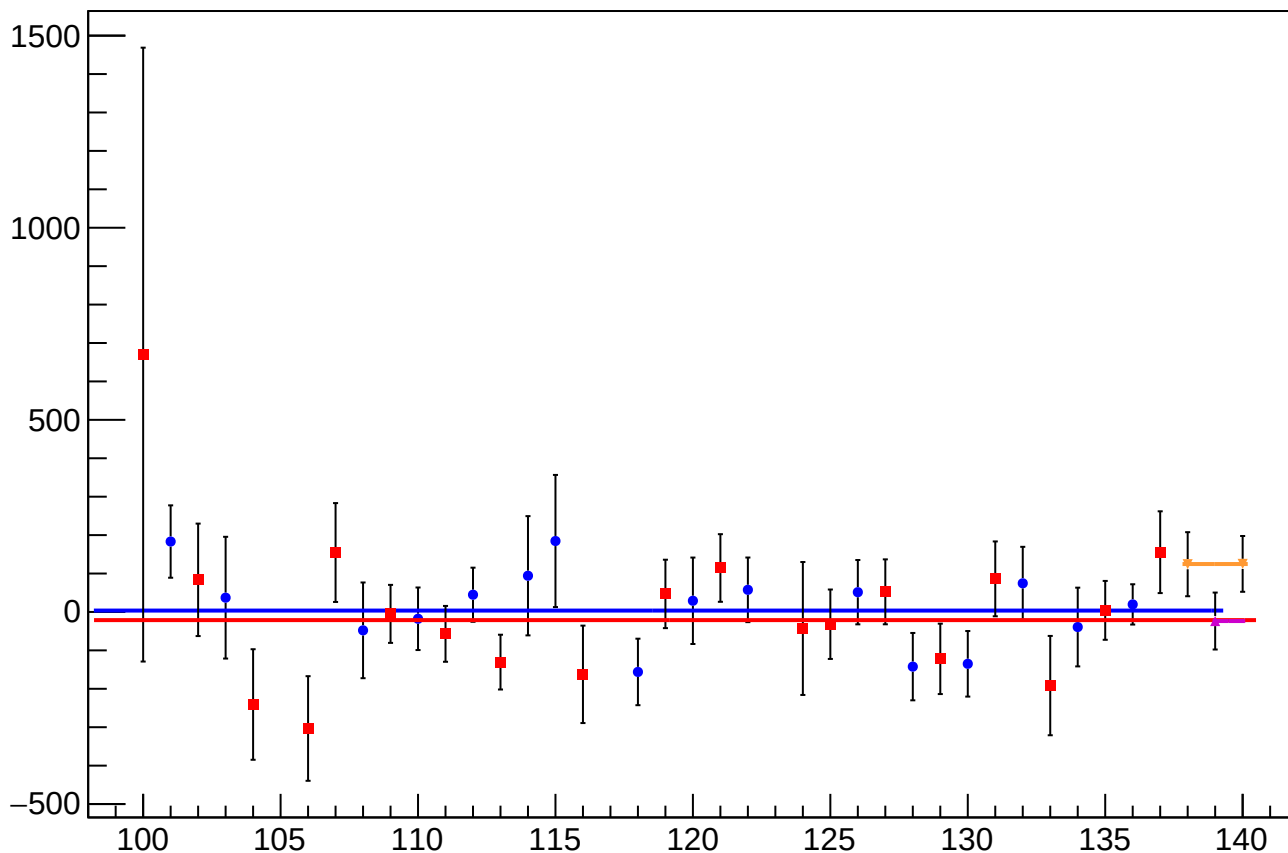
Left In: 494.078+/-0.381 χ^2/NDF : 0.0/0

+ sign 491.580+/-0.121 χ^2/NDF : 1032470.6/17

All: 511.402+/-0.090 χ^2/NDF : 1737891.6/37

- sign 536.013+/-0.135 χ^2/NDF : 645398.8/19

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 124.723 ± 54.761 χ^2/NDF : 0.0/1

Right Out: -21.253 ± 22.769 χ^2/NDF : 24.4/18

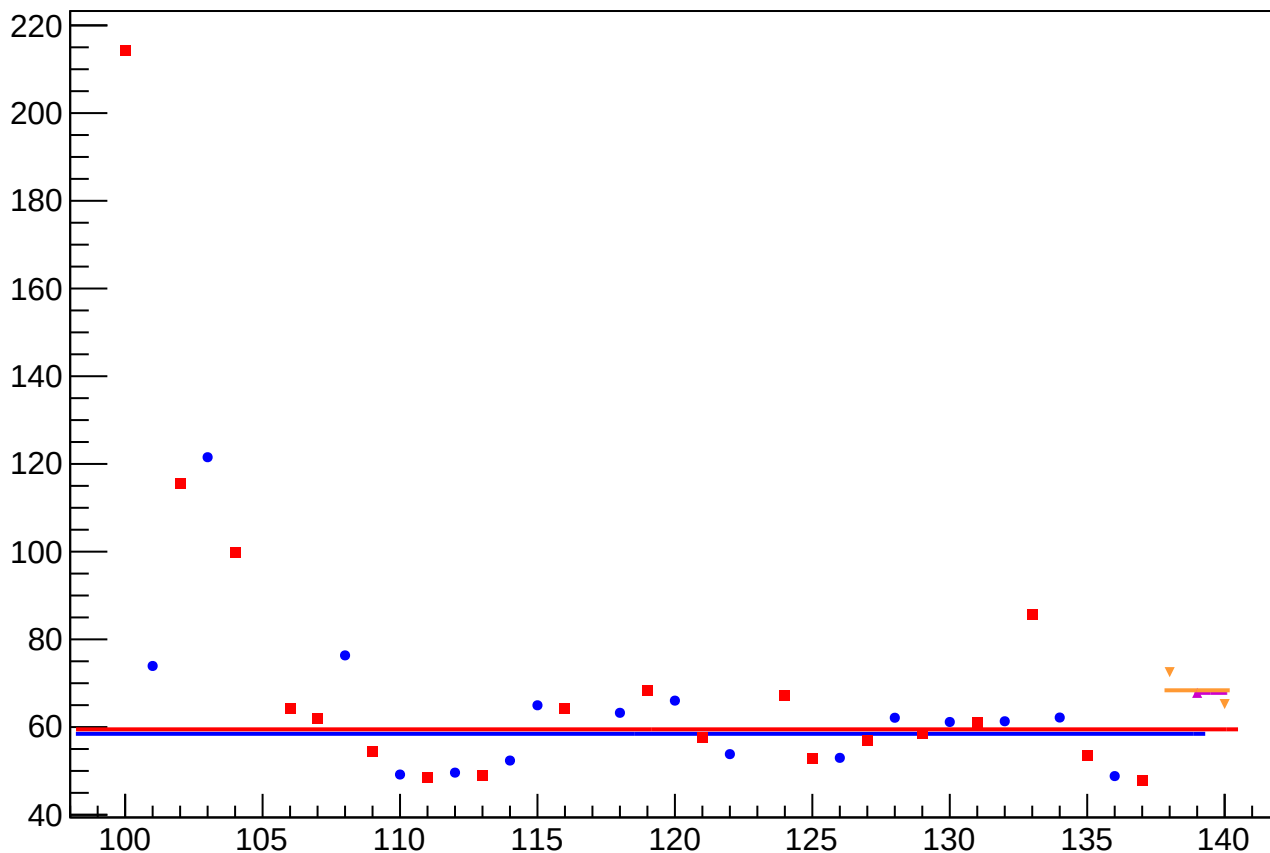
Left In: -23.663 ± 74.108 χ^2/NDF : 0.0/0

+ sign 21.066 ± 20.796 χ^2/NDF : 20.3/17

All: 0.770 ± 15.036 χ^2/NDF : 46.7/37

- sign -21.461 ± 21.765 χ^2/NDF : 24.4/19

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465 $\pm$ 0.016 χ^2 /NDF: 582984.2/15

Left Out: 68.385 $\pm$ 0.039 χ^2 /NDF: 8656.4/1

Right Out: 59.484 $\pm$ 0.016 χ^2 /NDF: 784880.1/18

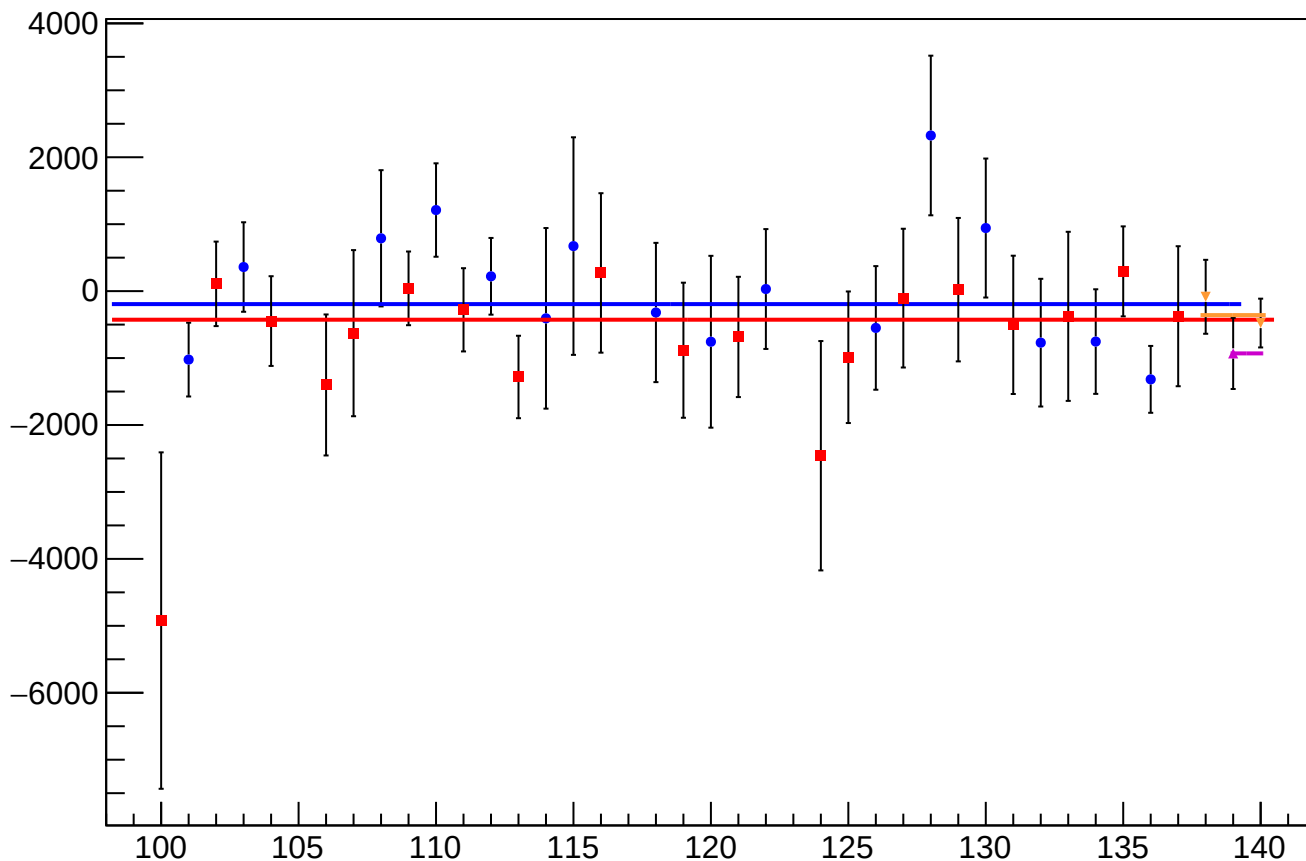
Left In: 67.805 $\pm$ 0.052 χ^2 /NDF: 0.0/0

+ sign 59.896 $\pm$ 0.015 χ^2 /NDF: 647797.8/17

All: 60.042 $\pm$ 0.011 χ^2 /NDF: 1455926.2/37

- sign 60.202 $\pm$ 0.015 χ^2 /NDF: 807922.0/19

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF : 20.8/15

Left Out: -358.036+/-304.137 χ^2/NDF : 0.4/1

Right Out: -426.977+/-197.005 χ^2/NDF : 11.3/18

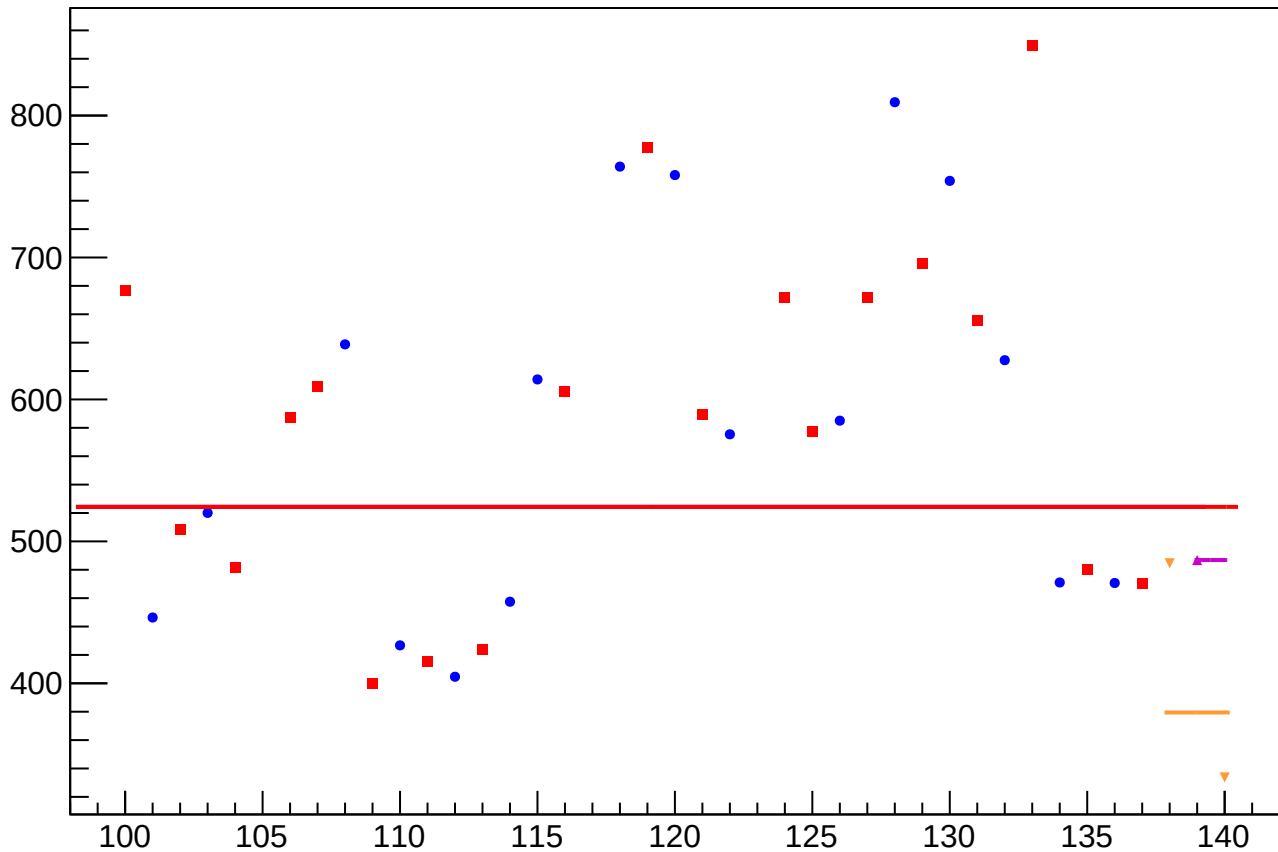
Left In: -930.268+/-531.760 χ^2/NDF : 0.0/0

+ sign -243.659+/-167.458 χ^2/NDF : 21.3/17

All: -353.745+/-124.070 χ^2/NDF : 34.4/37

- sign -487.718+/-184.735 χ^2/NDF : 12.1/19

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF : 658488.5/15

Left Out: 379.444+/-0.215 χ^2/NDF : 103981.1/1

Right Out: 524.306+/-0.139 χ^2/NDF : 686061.2/18

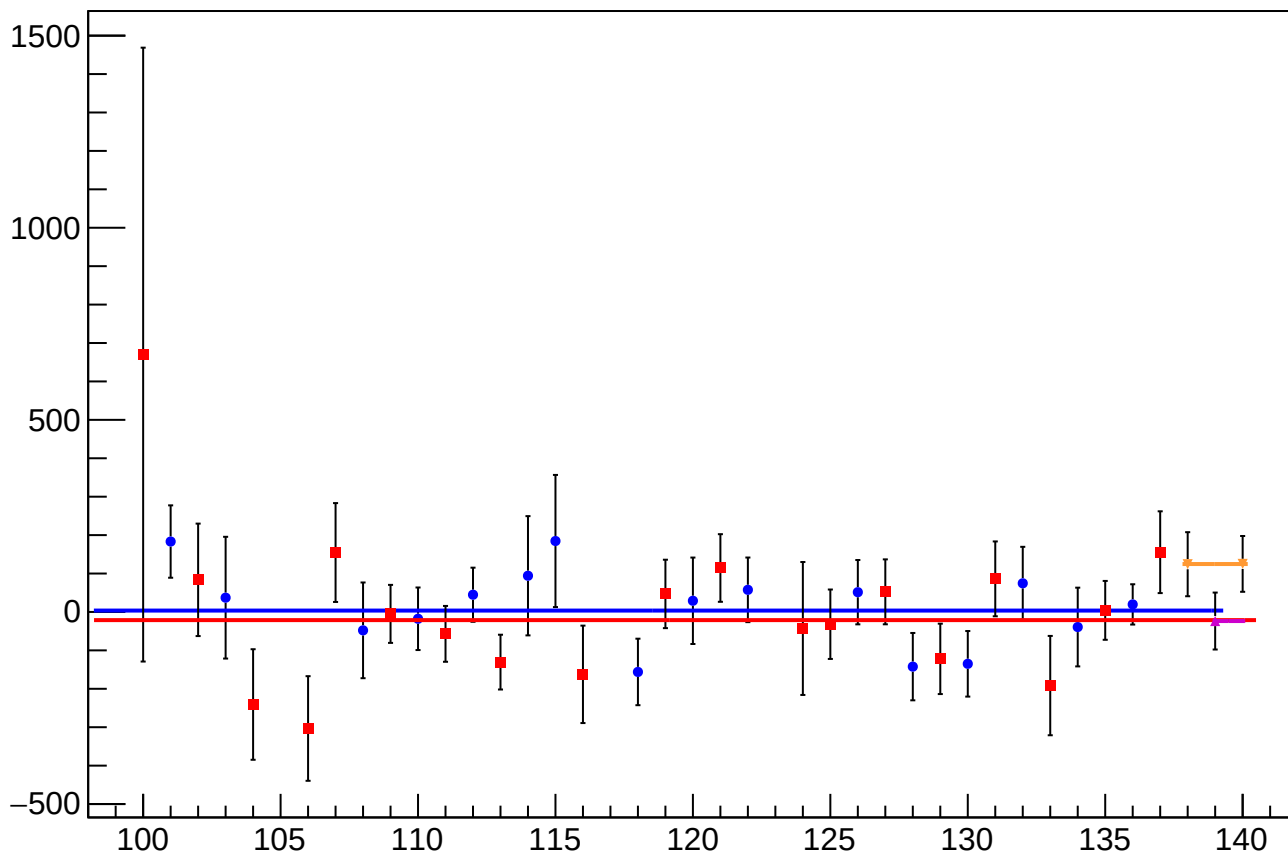
Left In: 486.862+/-0.376 χ^2/NDF : 0.0/0

+ sign 480.404+/-0.118 χ^2/NDF : 1078738.7/17

All: 498.168+/-0.088 χ^2/NDF : 1823418.4/37

- sign 519.787+/-0.131 χ^2/NDF : 694781.3/19

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 124.723 ± 54.761 χ^2/NDF : 0.0/1

Right Out: -21.251 ± 22.769 χ^2/NDF : 24.4/18

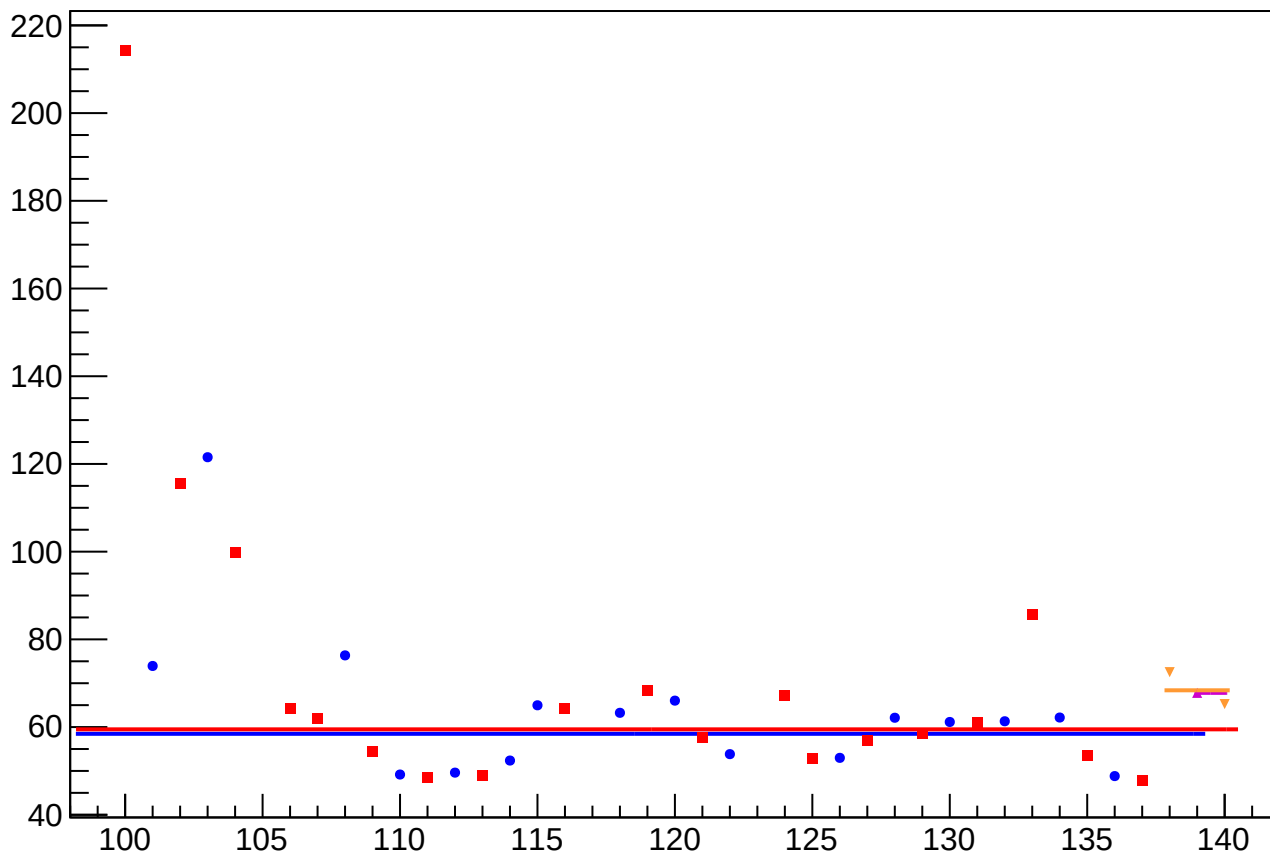
Left In: -23.666 ± 74.108 χ^2/NDF : 0.0/0

+ sign 21.065 ± 20.796 χ^2/NDF : 20.3/17

All: 0.770 ± 15.036 χ^2/NDF : 46.7/37

- sign -21.460 ± 21.765 χ^2/NDF : 24.4/19

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466 $\pm$ 0.016 χ^2 /NDF: 582980.6/15

Left Out: 68.385 $\pm$ 0.039 χ^2 /NDF: 8655.8/1

Right Out: 59.484 $\pm$ 0.016 χ^2 /NDF: 784880.2/18

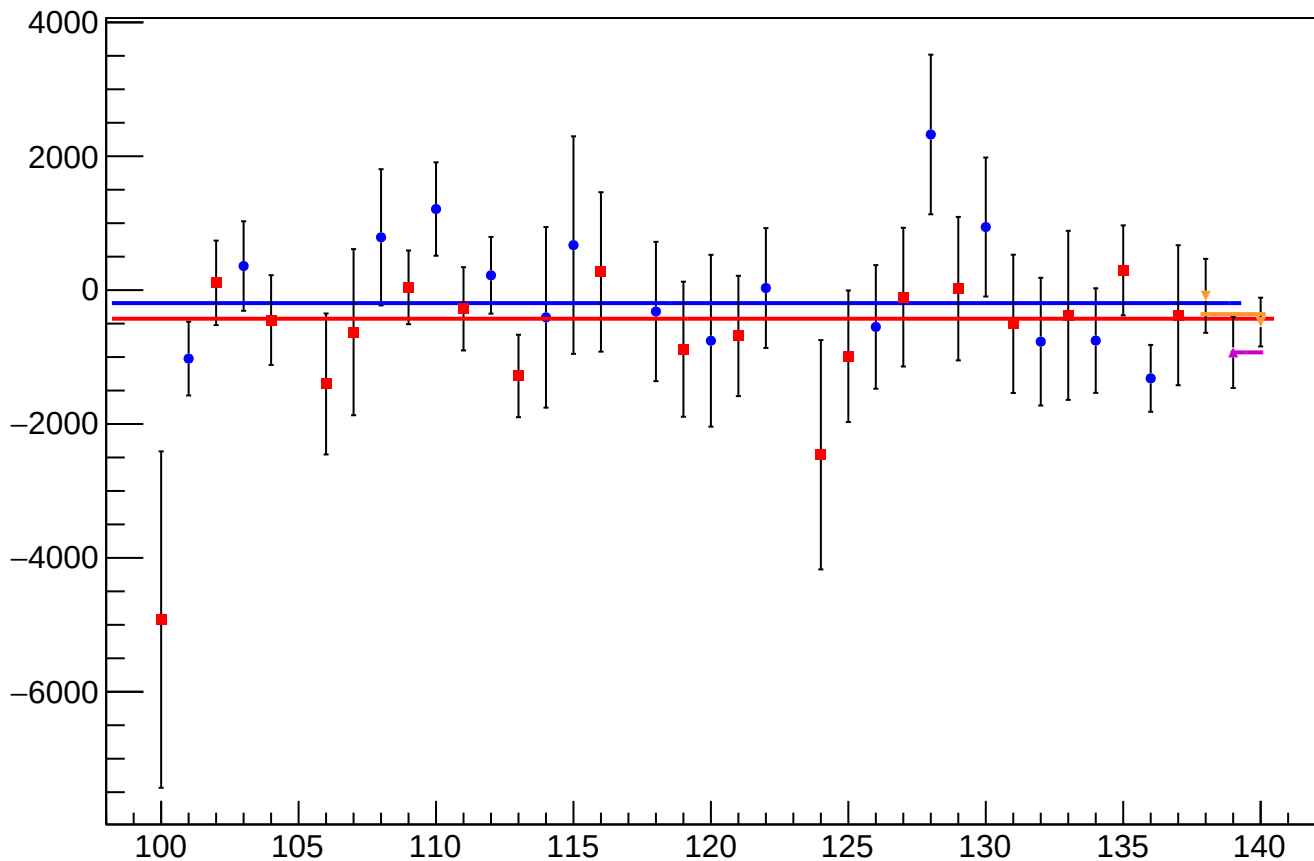
Left In: 67.806 $\pm$ 0.052 χ^2 /NDF: 0.0/0

+ sign 59.896 $\pm$ 0.015 χ^2 /NDF: 647795.2/17

All: 60.042 $\pm$ 0.011 χ^2 /NDF: 1455923.4/37

- sign 60.202 $\pm$ 0.015 χ^2 /NDF: 807921.8/19

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -193.899+/-200.603 χ^2/NDF : 20.8/15

Left Out: -358.036+/-304.137 χ^2/NDF : 0.4/1

Right Out: -426.976+/-197.005 χ^2/NDF : 11.3/18

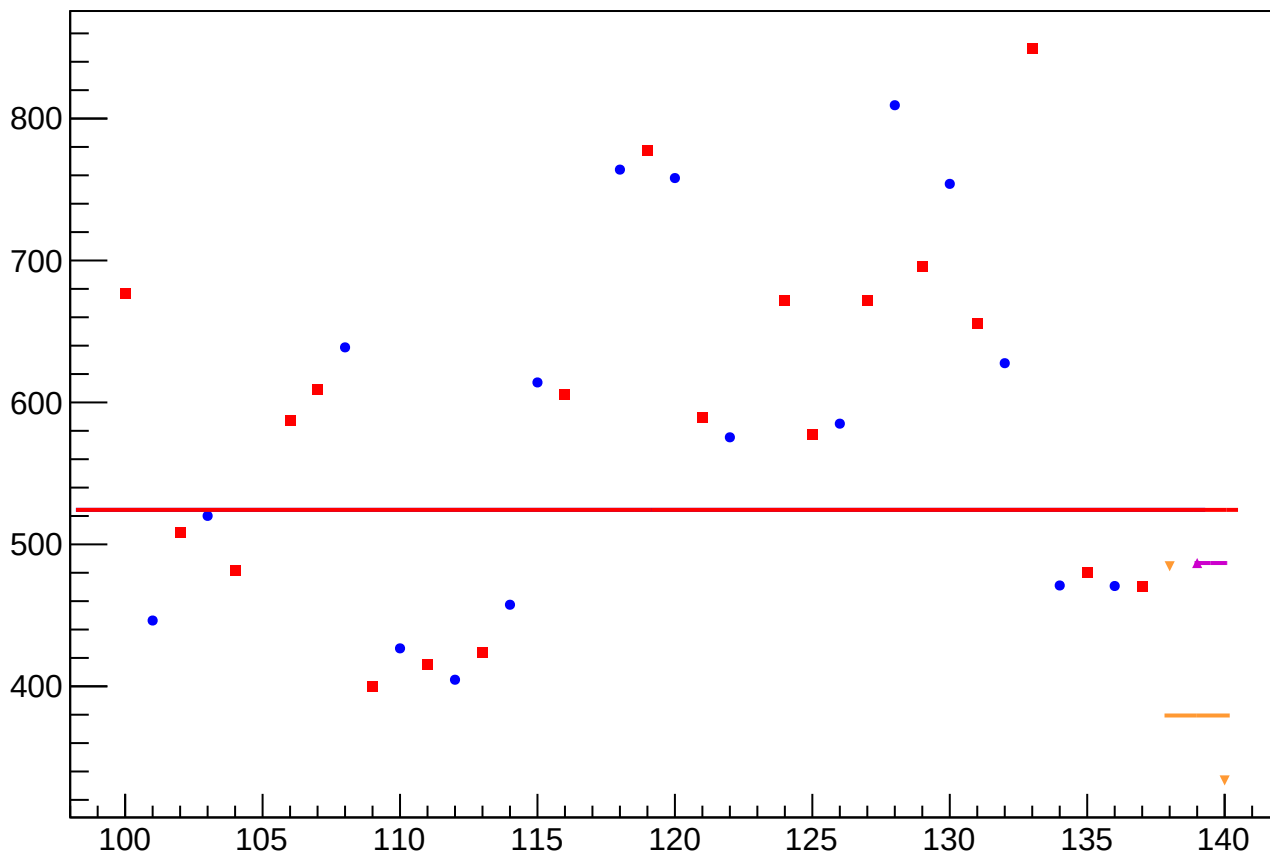
Left In: -930.269+/-531.761 χ^2/NDF : 0.0/0

+ sign -243.658+/-167.458 χ^2/NDF : 21.3/17

All: -353.744+/-124.070 χ^2/NDF : 34.4/37

- sign -487.717+/-184.734 χ^2/NDF : 12.1/19

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 524.325+/-0.142 χ^2/NDF : 658493.8/15

Left Out: 379.444+/-0.215 χ^2/NDF : 103982.1/1

Right Out: 524.305+/-0.139 χ^2/NDF : 686063.6/18

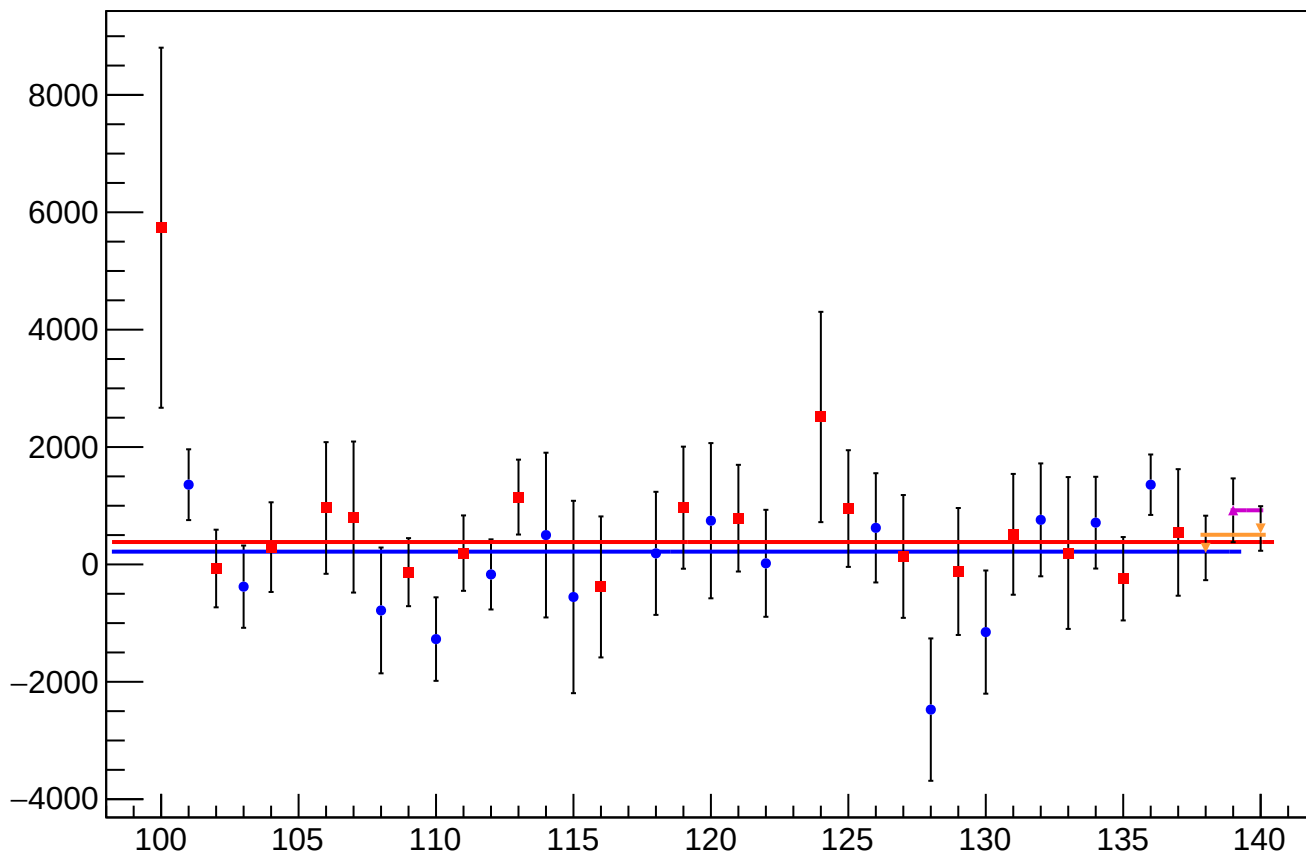
Left In: 486.862+/-0.376 χ^2/NDF : 0.0/0

+ sign 480.403+/-0.118 χ^2/NDF : 1078739.7/17

All: 498.167+/-0.088 χ^2/NDF : 1823420.4/37

- sign 519.786+/-0.131 χ^2/NDF : 694783.0/19

asym_sam_1357_avg_mean vs Slug



Right In: 217.756 $\pm$ 207.492 χ^2 /NDF: 22.9/15

Left Out: 505.325 $\pm$ 312.359 χ^2 /NDF: 0.2/1

Right Out: 381.836 $\pm$ 205.585 χ^2 /NDF: 10.0/18

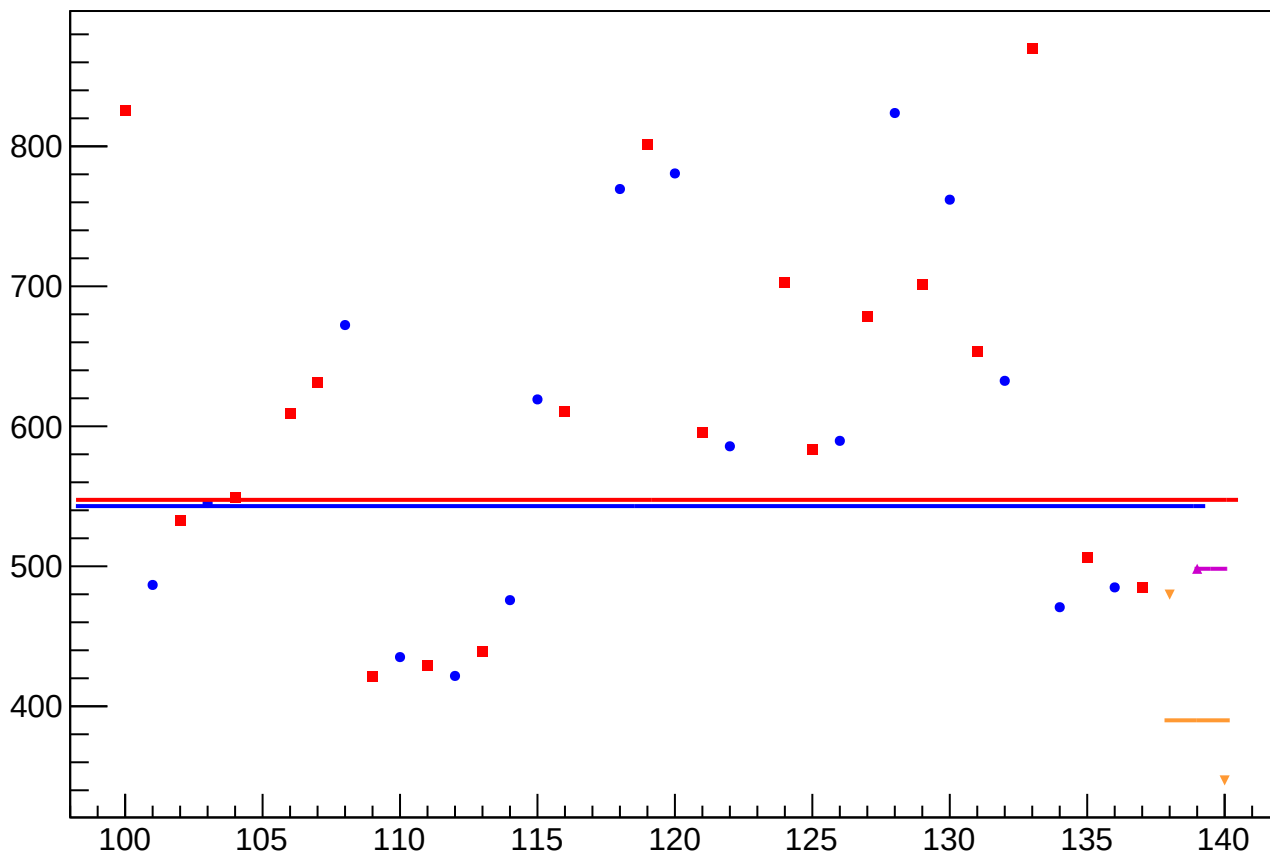
Left In: 922.351 $\pm$ 543.560 χ^2 /NDF: 0.0/0

+ sign 305.799 $\pm$ 172.834 χ^2 /NDF: 23.7/17

All: 370.005 $\pm$ 128.542 χ^2 /NDF: 34.9/37

- sign 449.480 $\pm$ 192.291 χ^2 /NDF: 10.8/19

asym_sam_1357_avg_rms vs Slug



Right In: 542.997 $\pm$ 0.147 χ^2 /NDF: 605250.7/15

Left Out: 389.970 $\pm$ 0.221 χ^2 /NDF:79035.0/1

Right Out: 547.465 $\pm$ 0.145 χ^2 /NDF: 630284.0/18

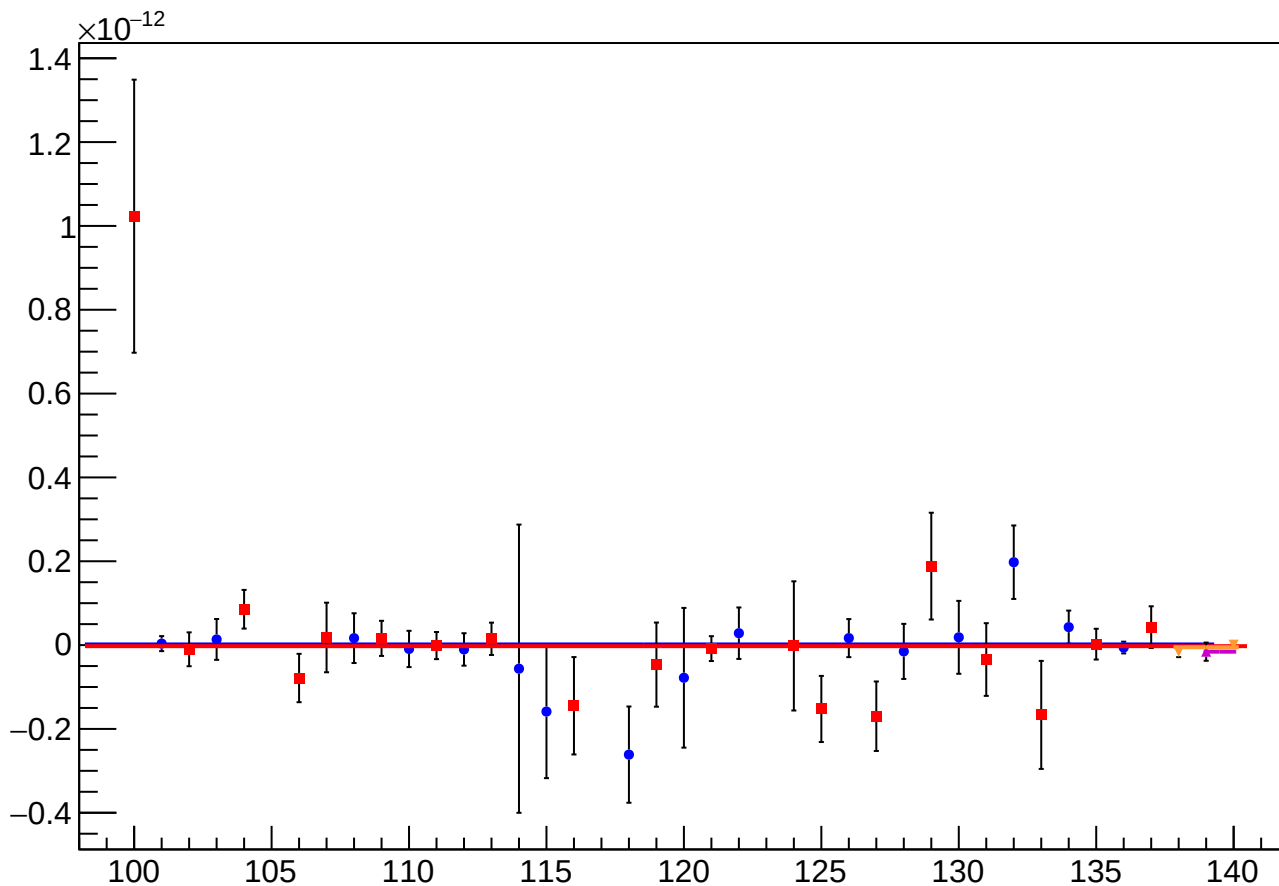
Left In: 498.229 $\pm$ 0.384 χ^2 /NDF:0.0/0

+ sign 496.146 $\pm$ 0.122 χ^2 /NDF: 1017340.9/17

All: 516.325 $\pm$ 0.091 χ^2 /NDF: 1722989.0/37

- sign 541.303 $\pm$ 0.136 χ^2 /NDF: 644640.1/19

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF : 1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF : 30.1/18

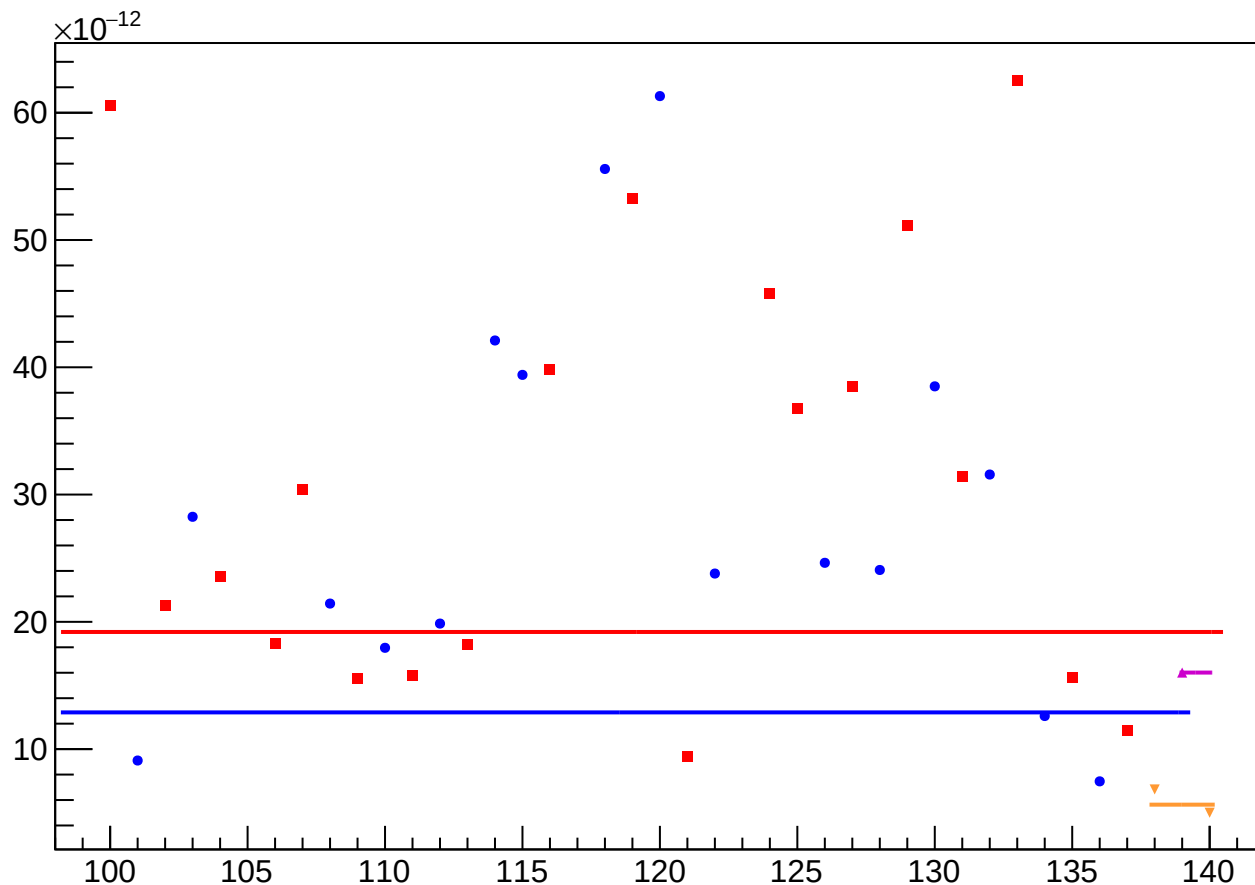
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 15.2/17

All: -0.000+/-0.000 χ^2/NDF : 45.6/37

- sign -0.000+/-0.000 χ^2/NDF : 30.3/19

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 28387.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1367620.8/18

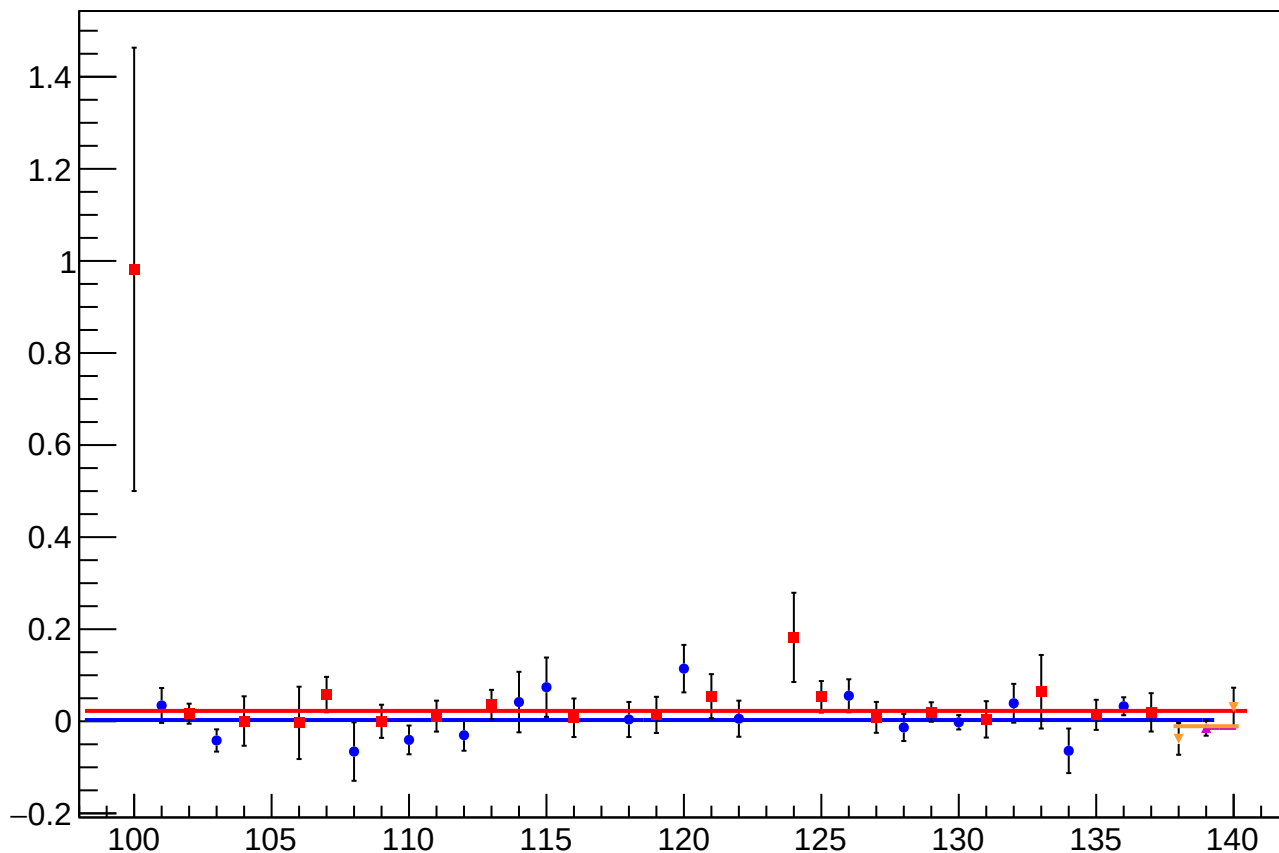
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2560664.6/17

All: 0.000+/-0.000 χ^2/NDF : 5333315.6/37

- sign 0.000+/-0.000 χ^2/NDF : 1400551.8/19

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: -0.011 ± 0.027 χ^2/NDF : 1.6/1

Right Out: 0.023 ± 0.008 χ^2/NDF : 10.8/18

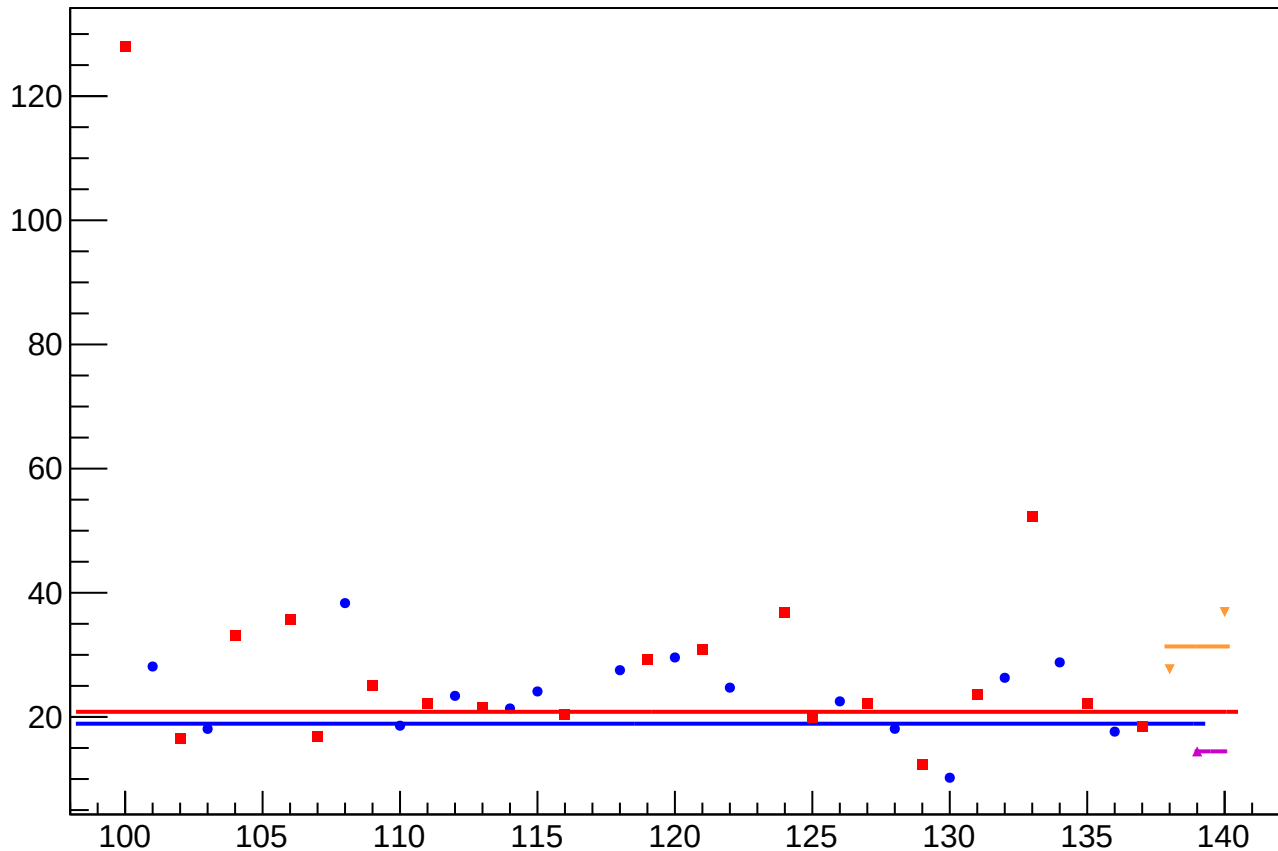
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign 0.002 ± 0.007 χ^2/NDF : 23.8/17

All: 0.008 ± 0.005 χ^2/NDF : 40.0/37

- sign 0.015 ± 0.008 χ^2/NDF : 14.6/19

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: 31.355+/-0.019 χ^2/NDF : 56982.9/1

Right Out: 20.826+/-0.006 χ^2/NDF : 1291541.1/18

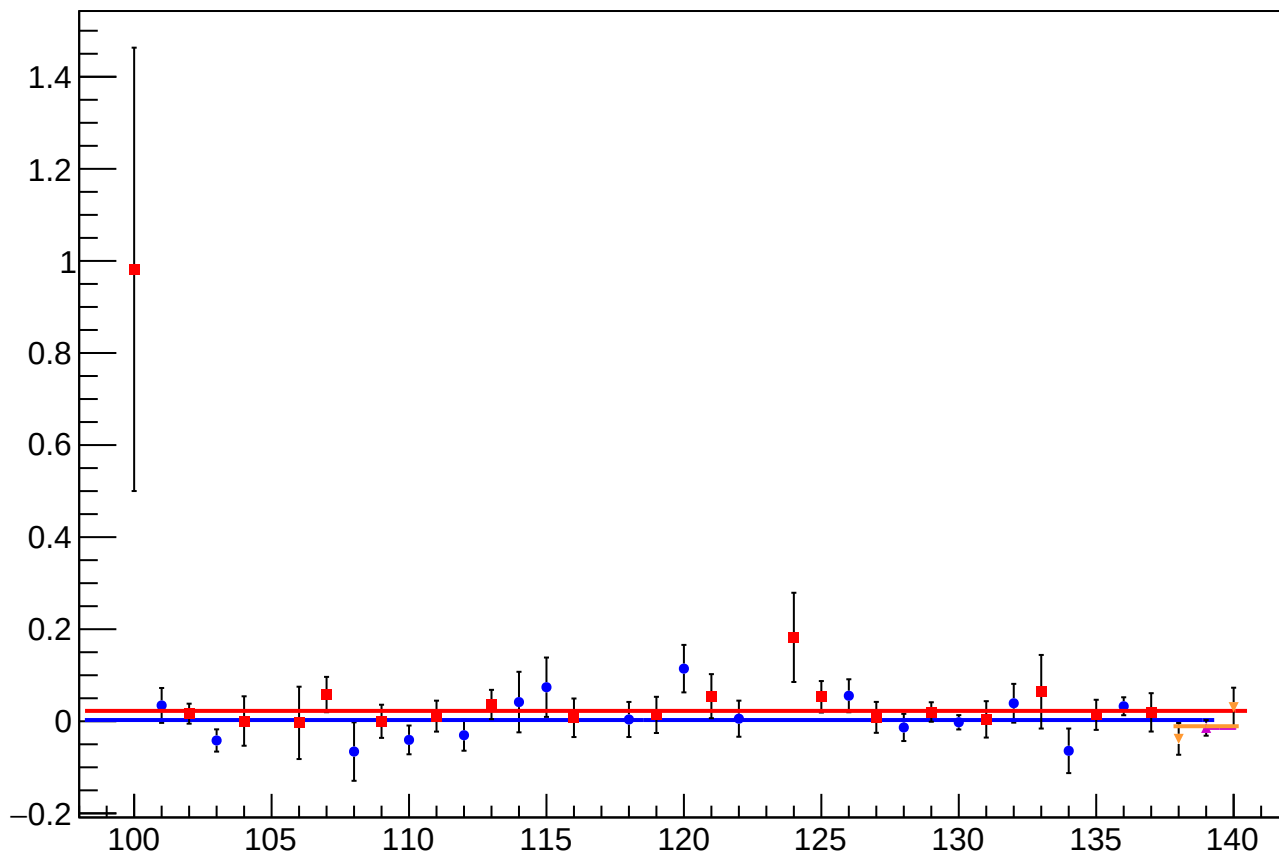
Left In: 14.456+/-0.012 χ^2/NDF : 0.0/0

+ sign 19.888+/-0.005 χ^2/NDF : 1846480.8/17

All: 19.725+/-0.004 χ^2/NDF : 3366049.5/37

- sign 19.559+/-0.005 χ^2/NDF : 1517661.2/19

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.008 χ^2/NDF : 22.0/15

Left Out: -0.011 ± 0.027 χ^2/NDF : 1.6/1

Right Out: 0.023 ± 0.008 χ^2/NDF : 10.8/18

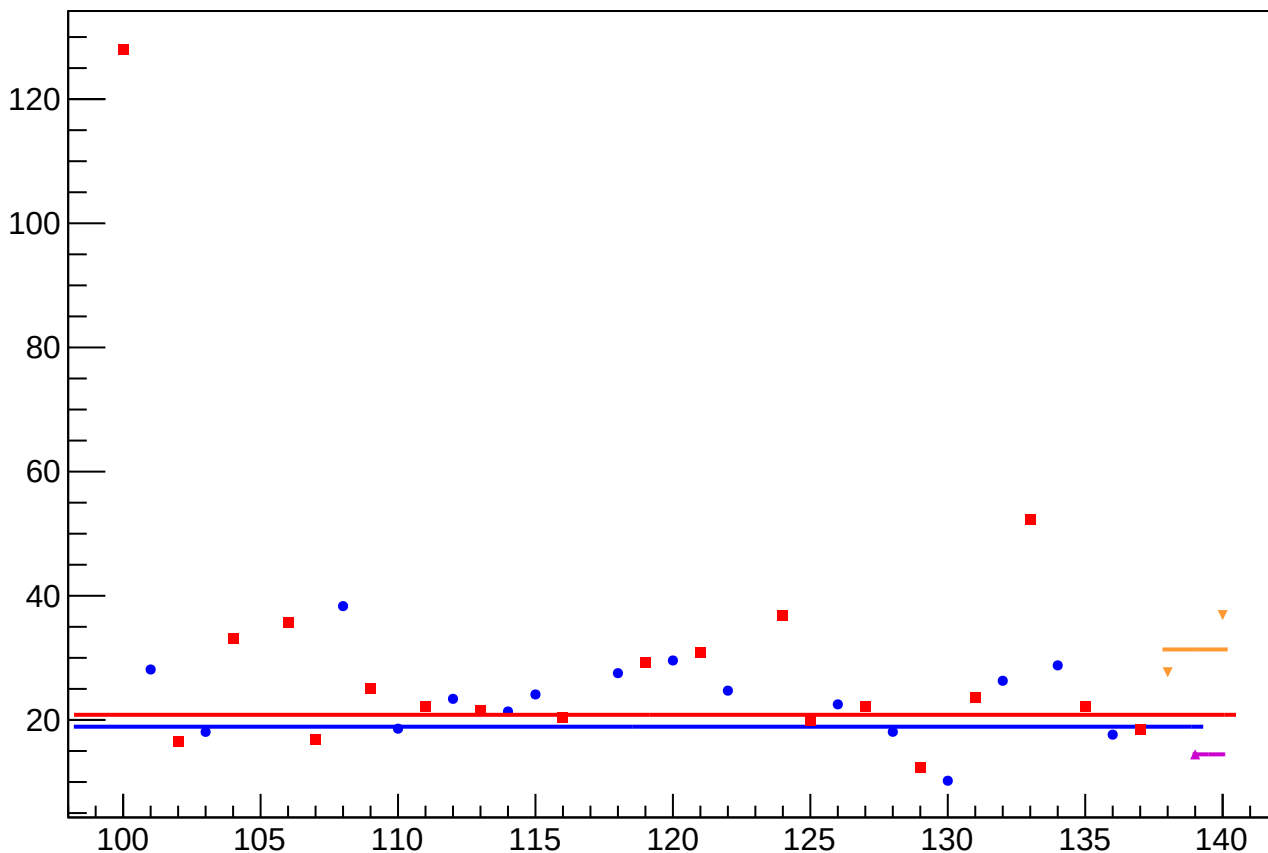
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign 0.002 ± 0.007 χ^2/NDF : 23.8/17

All: 0.008 ± 0.005 χ^2/NDF : 40.0/37

- sign 0.015 ± 0.008 χ^2/NDF : 14.6/19

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF : 1390349.2/15

Left Out: 31.355+/-0.019 χ^2/NDF : 56982.9/1

Right Out: 20.826+/-0.006 χ^2/NDF : 1291541.1/18

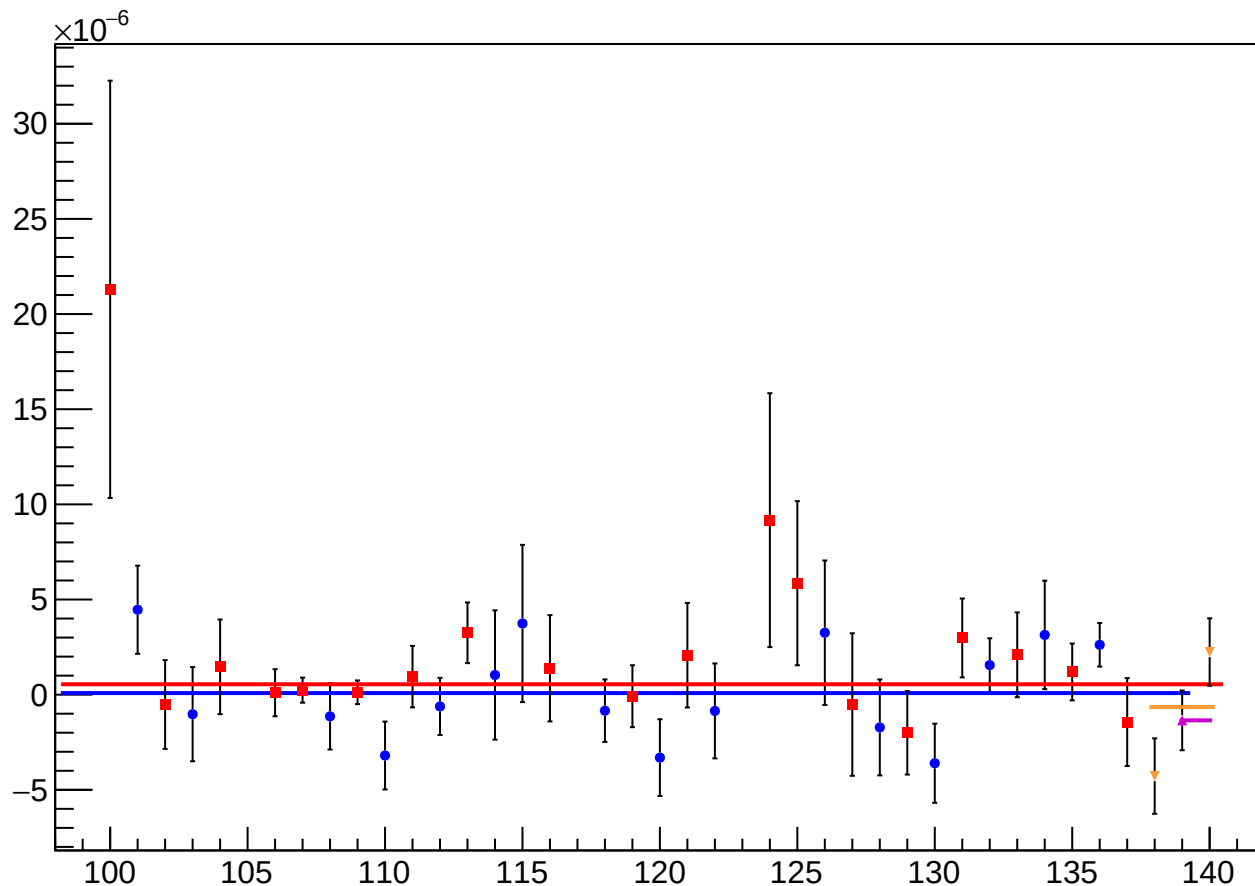
Left In: 14.456+/-0.012 χ^2/NDF : 0.0/0

+ sign 19.888+/-0.005 χ^2/NDF : 1846480.8/17

All: 19.725+/-0.004 χ^2/NDF : 3366049.5/37

- sign 19.559+/-0.005 χ^2/NDF : 1517661.2/19

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF : 6.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 15.6/18

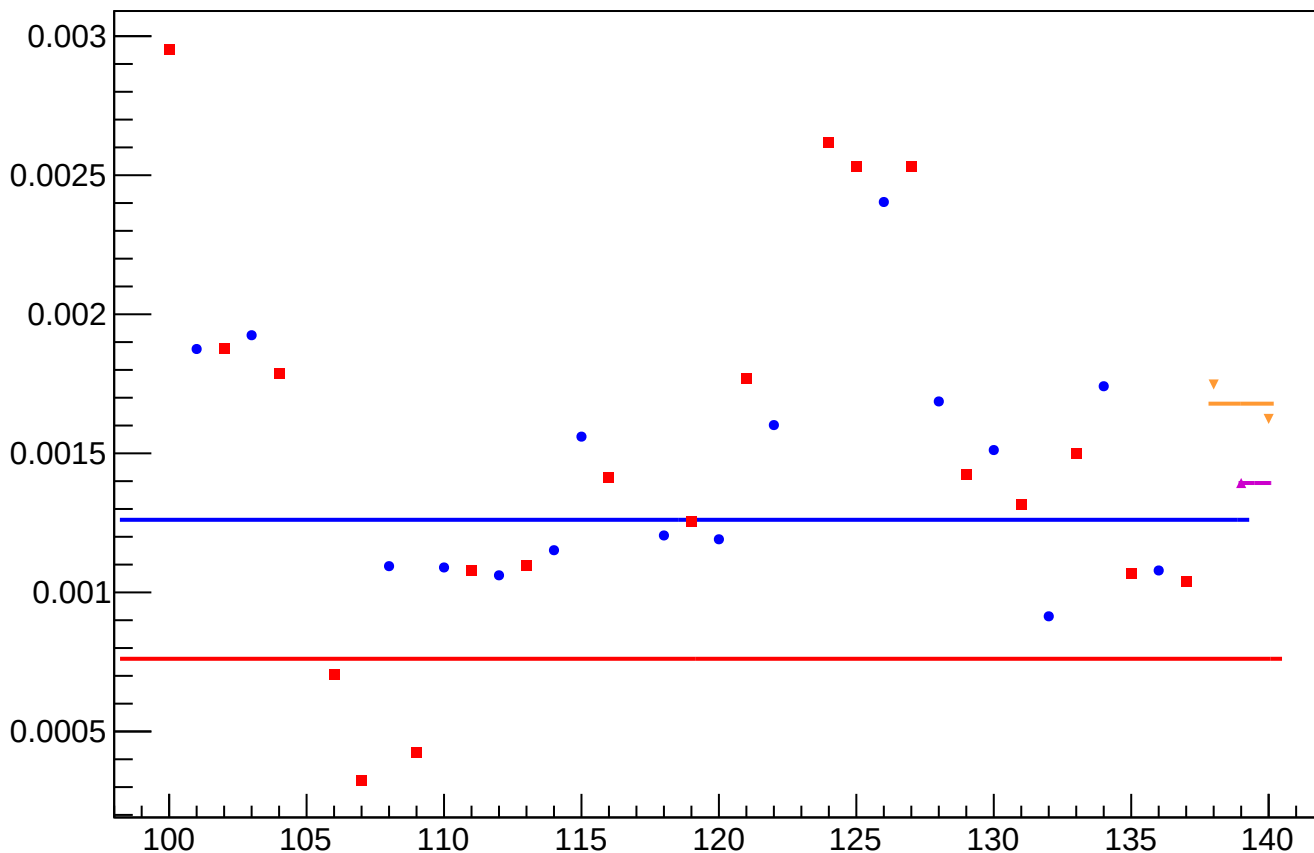
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 29.8/17

All: 0.000+/-0.000 χ^2/NDF : 47.5/37

- sign 0.000+/-0.000 χ^2/NDF : 17.0/19

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 907342.5/15

Left Out: 0.002+/-0.000 χ^2/NDF : 4336.0/1

Right Out: 0.001+/-0.000 χ^2/NDF : 4672607.8/18

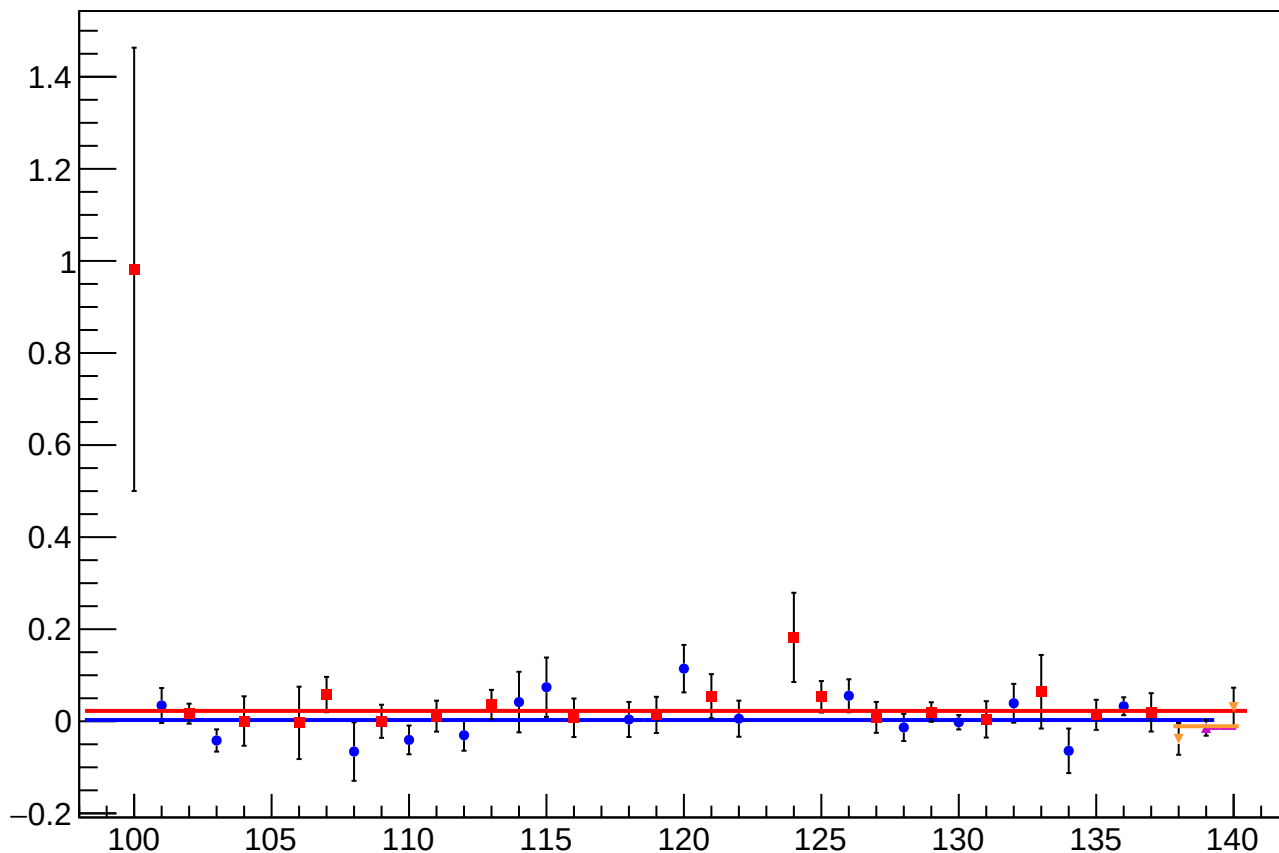
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.001+/-0.000 χ^2/NDF : 1087708.9/17

All: 0.001+/-0.000 χ^2/NDF : 7779240.7/37

- sign 0.001+/-0.000 χ^2/NDF : 4982498.2/19

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 22.0/15

Left Out: -0.011 $\pm$ 0.027 χ^2 /NDF:1.6/1

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

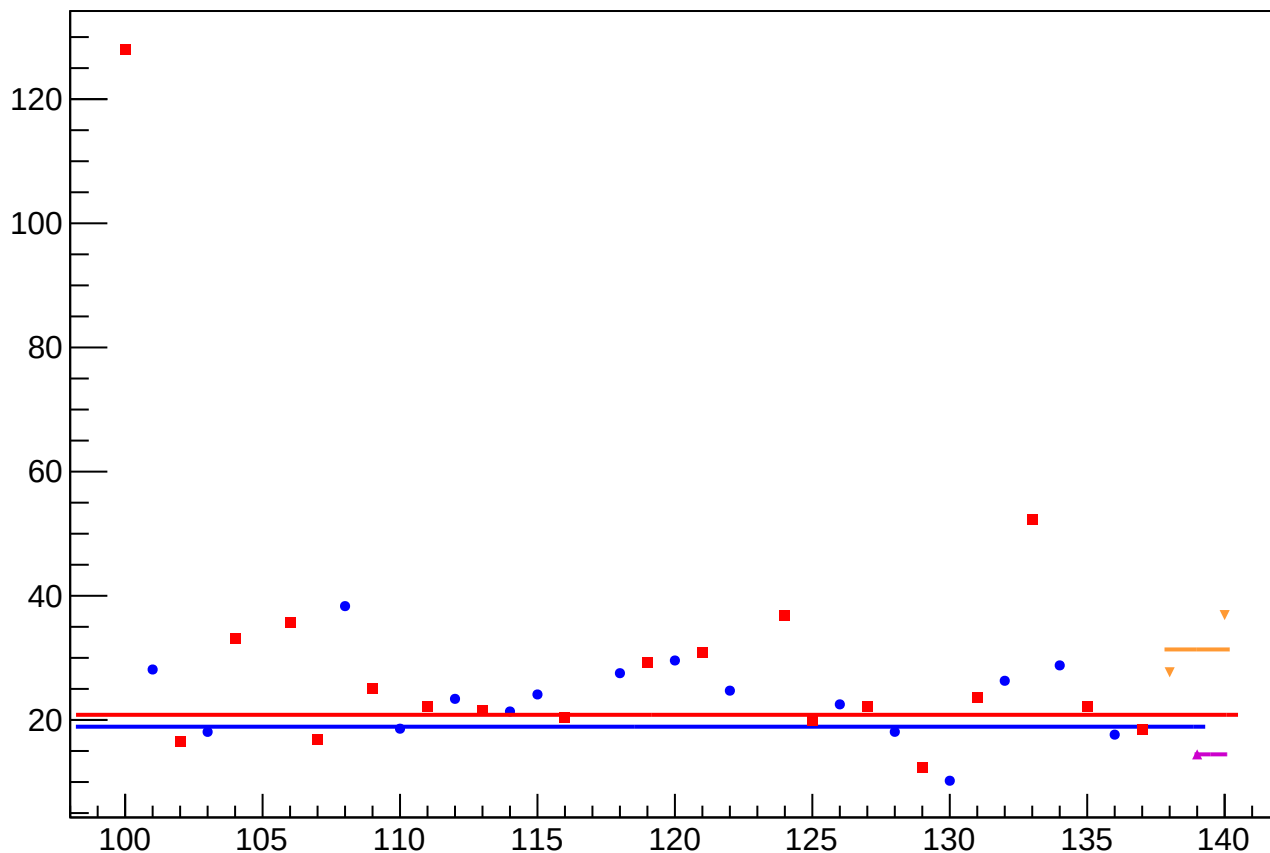
Left In: -0.014 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 23.8/17

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 40.0/37

- sign 0.015 $\pm$ 0.008 χ^2 /NDF: 14.6/19

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: 31.356 ± 0.019 χ^2/NDF : 56984.2/1

Right Out: 20.827 ± 0.006 χ^2/NDF : 1291537.3/18

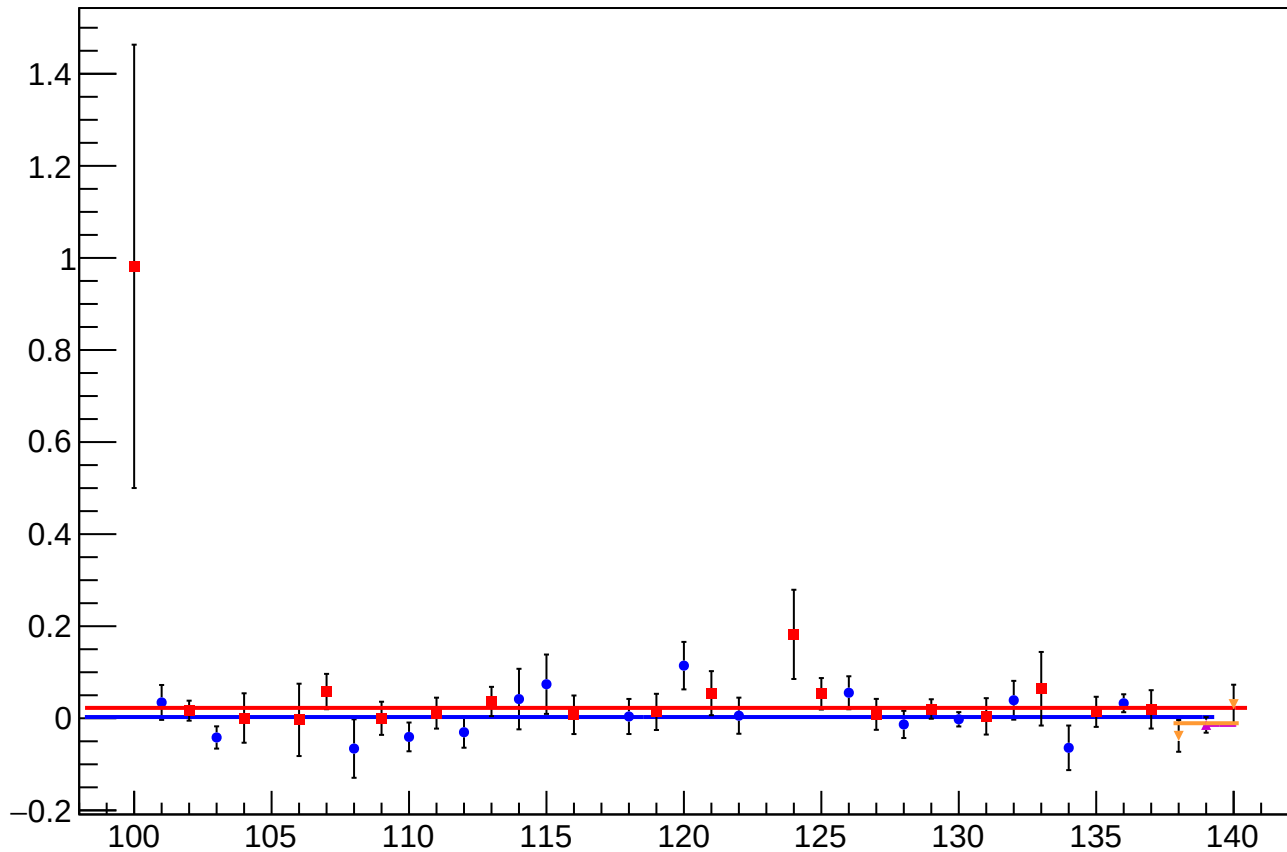
Left In: 14.457 ± 0.012 χ^2/NDF : 0.0/0

+ sign 19.889 ± 0.005 χ^2/NDF : 1846362.4/17

All: 19.726 ± 0.004 χ^2/NDF : 3365881.0/37

- sign 19.560 ± 0.005 χ^2/NDF : 1517610.5/19

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 22.0/15

Left Out: -0.011 $\pm$ 0.027 χ^2 /NDF:1.6/1

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

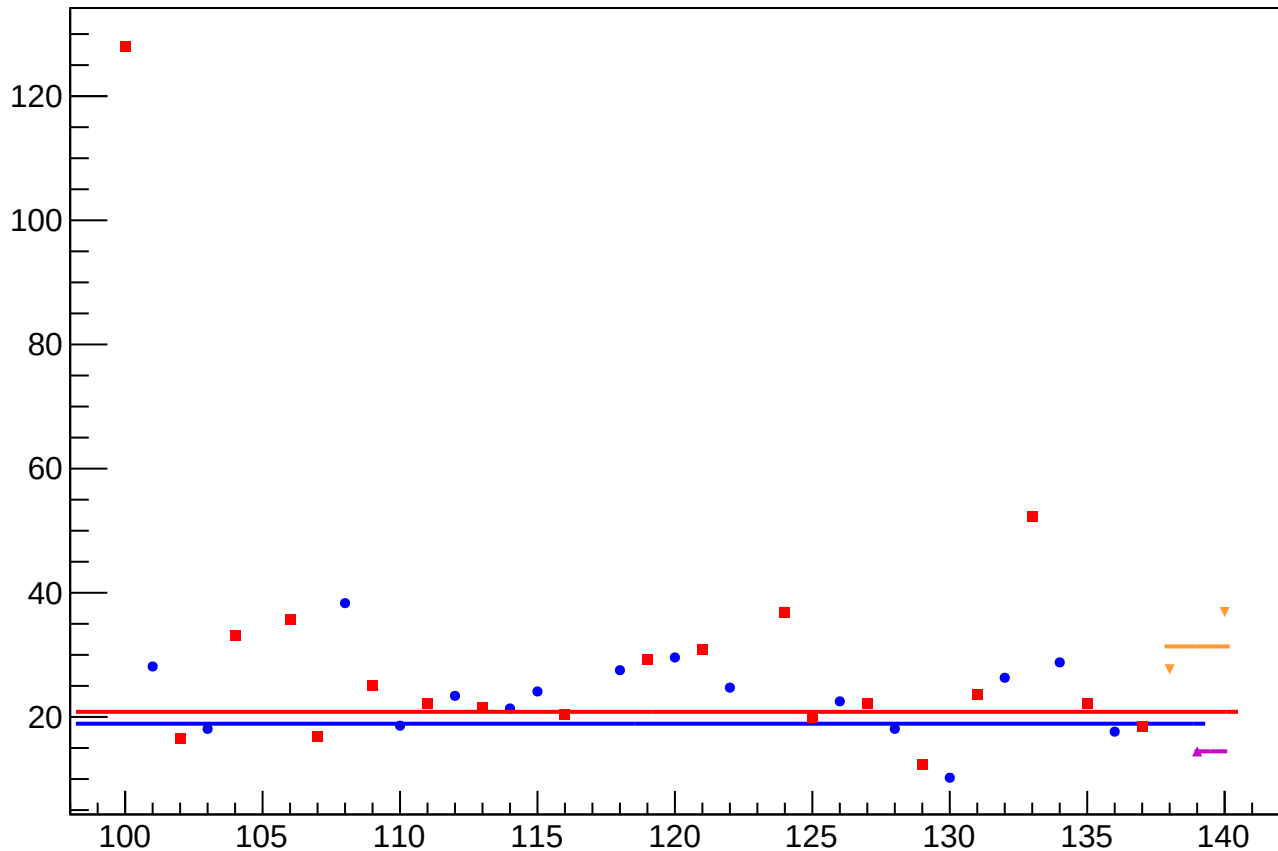
Left In: -0.014 $\pm$ 0.017 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 23.8/17

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 40.0/37

- sign 0.015 $\pm$ 0.008 χ^2 /NDF: 14.6/19

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF : 1390233.4/15

Left Out: 31.356+/-0.019 χ^2/NDF : 56984.2/1

Right Out: 20.827+/-0.006 χ^2/NDF : 1291537.3/18

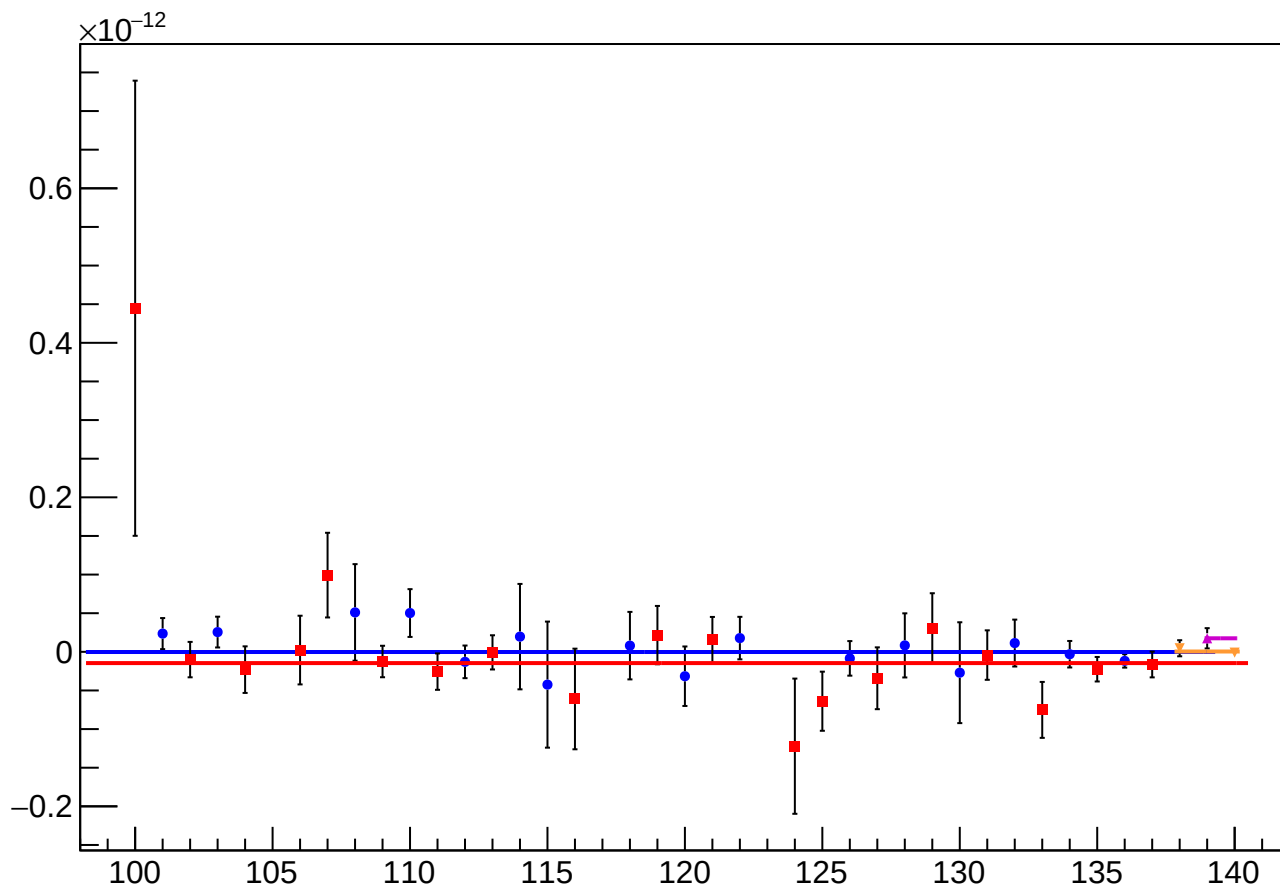
Left In: 14.457+/-0.012 χ^2/NDF : 0.0/0

+ sign 19.889+/-0.005 χ^2/NDF : 1846362.4/17

All: 19.726+/-0.004 χ^2/NDF : 3365881.0/37

- sign 19.560+/-0.005 χ^2/NDF : 1517610.5/19

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF : 17.6/18

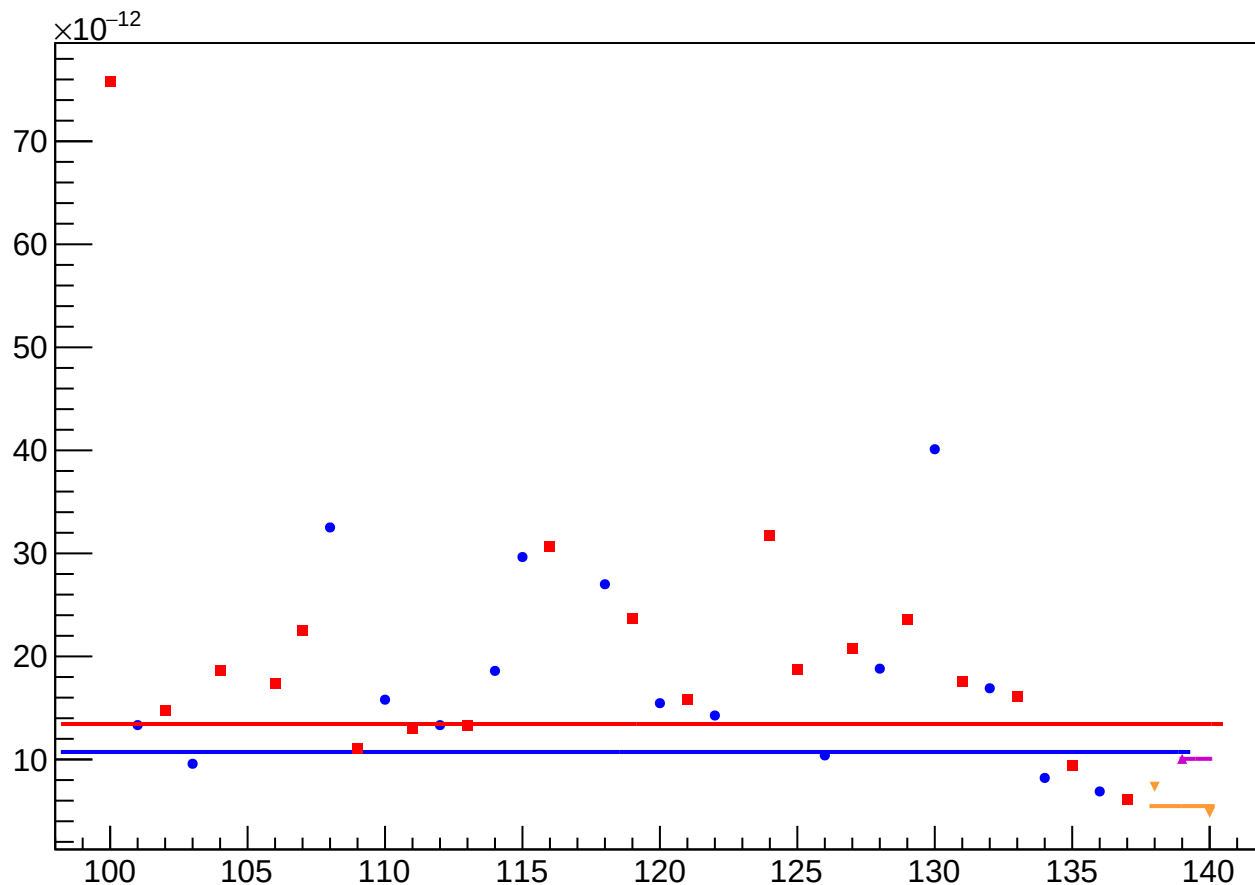
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 10.7/17

All: -0.000+/-0.000 χ^2/NDF : 34.6/37

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

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 87321.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1402984.9/18

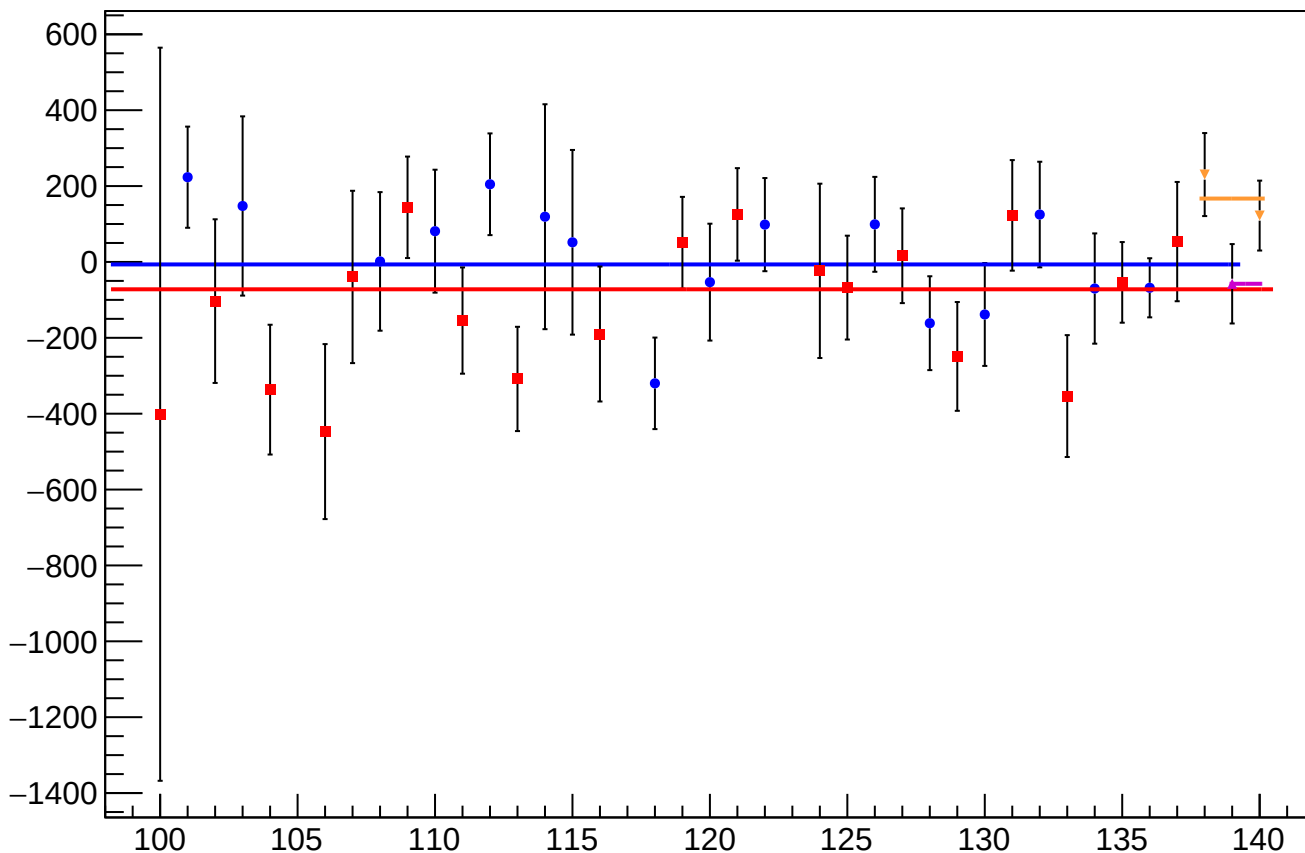
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 2856039.2/17

All: 0.000+/-0.000 χ^2/NDF : 5318377.8/37

- sign 0.000+/-0.000 χ^2/NDF : 1509392.6/19

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559 ± 34.286 χ^2/NDF : 18.9/15

Left Out: 167.044 ± 70.477 χ^2/NDF : 0.6/1

Right Out: -72.124 ± 34.883 χ^2/NDF : 22.8/18

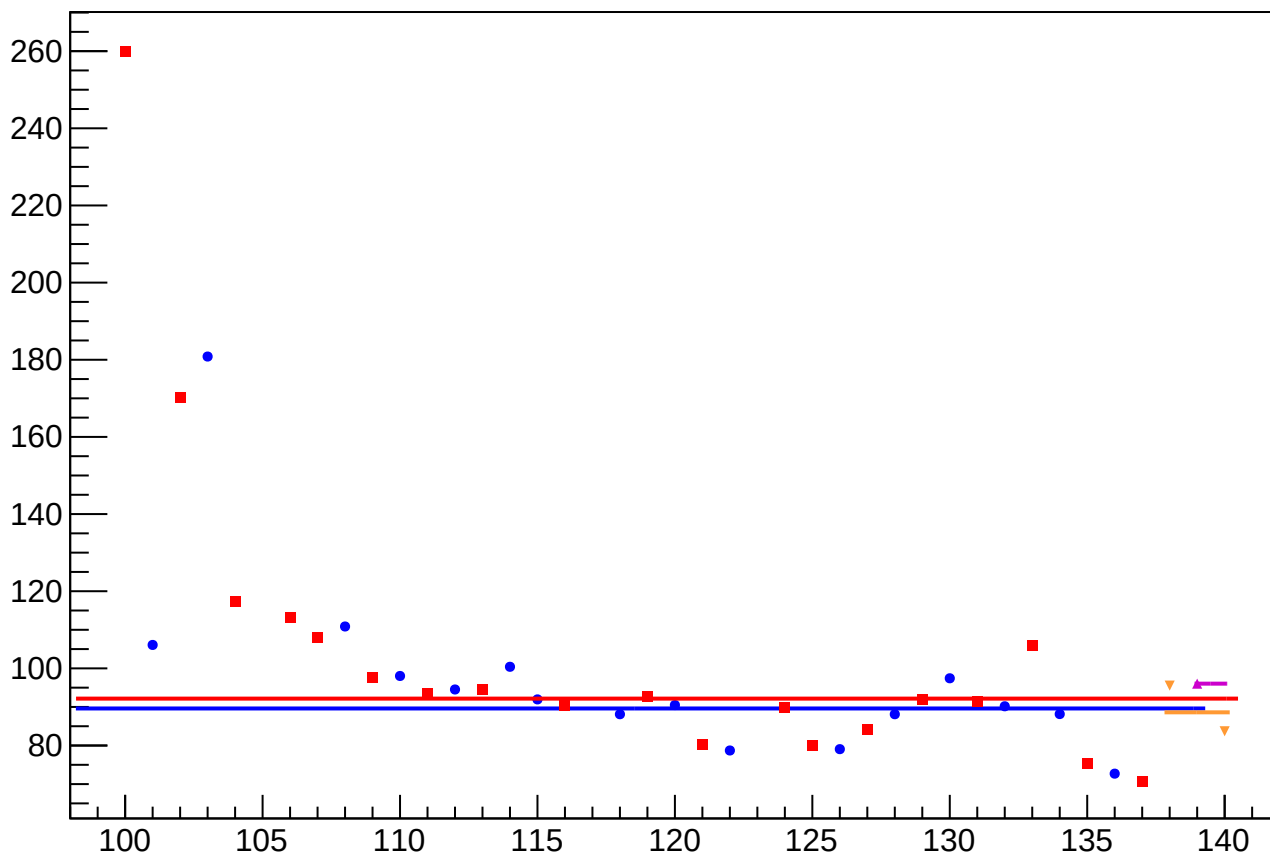
Left In: -57.571 ± 104.644 χ^2/NDF : 0.0/0

+ sign 26.665 ± 30.831 χ^2/NDF : 24.4/17

All: -18.562 ± 22.558 χ^2/NDF : 51.8/37

- sign -70.668 ± 33.093 χ^2/NDF : 22.8/19

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498380.8/15

Left Out: 88.604 $\pm$ 0.050 χ^2 /NDF:13704.9/1

Right Out: 92.161 $\pm$ 0.025 χ^2 /NDF: 542074.4/18

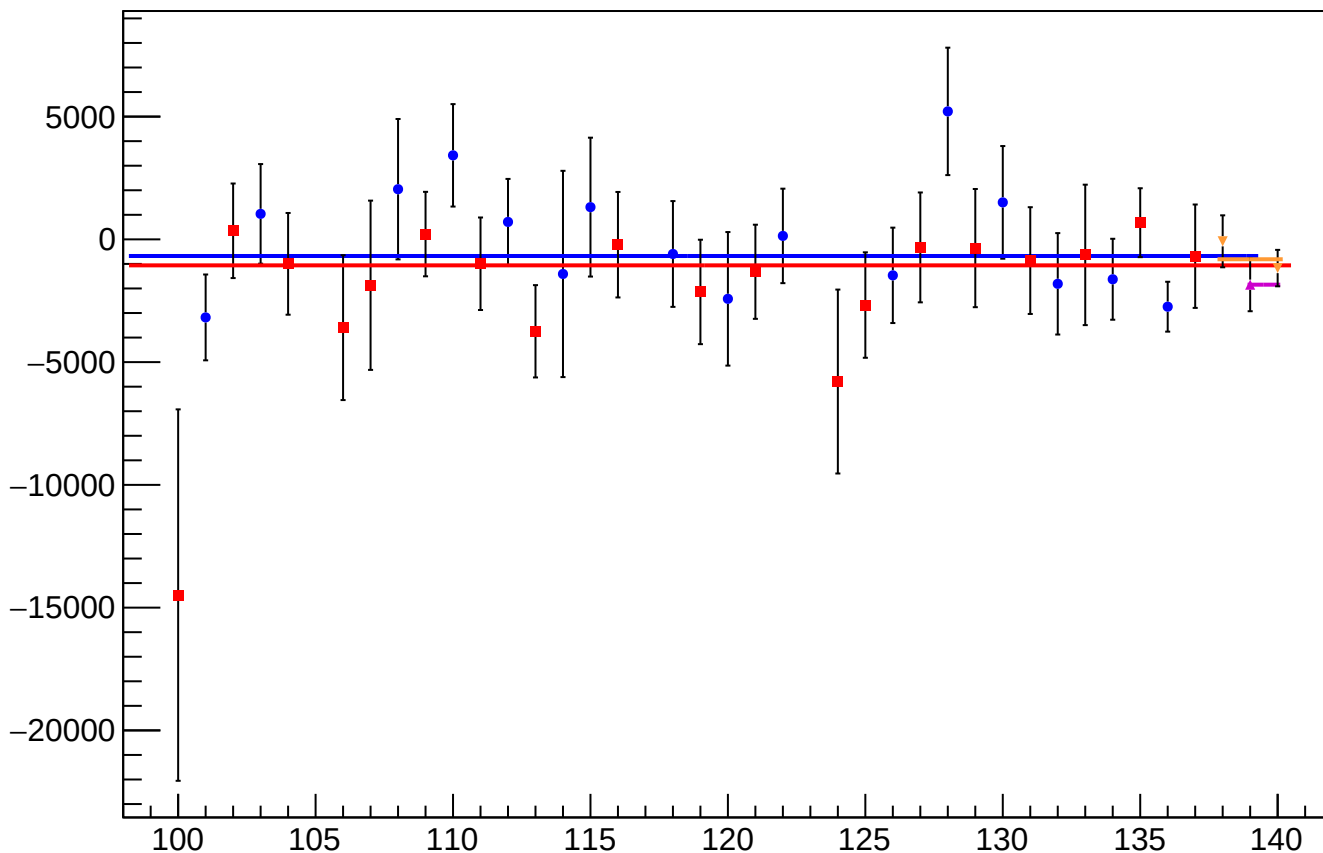
Left In: 96.038 $\pm$ 0.074 χ^2 /NDF:0.0/0

+ sign 89.412 $\pm$ 0.022 χ^2 /NDF: 512411.4/17

All: 90.870 $\pm$ 0.016 χ^2 /NDF: 1066574.7/37

- sign 92.549 $\pm$ 0.023 χ^2 /NDF: 544545.1/19

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381+/-486.480 χ^2/NDF : 20.3/15

Left Out: -810.638+/-607.503 χ^2/NDF : 0.7/1

Right Out: -1058.761+/-496.350 χ^2/NDF : 11.5/18

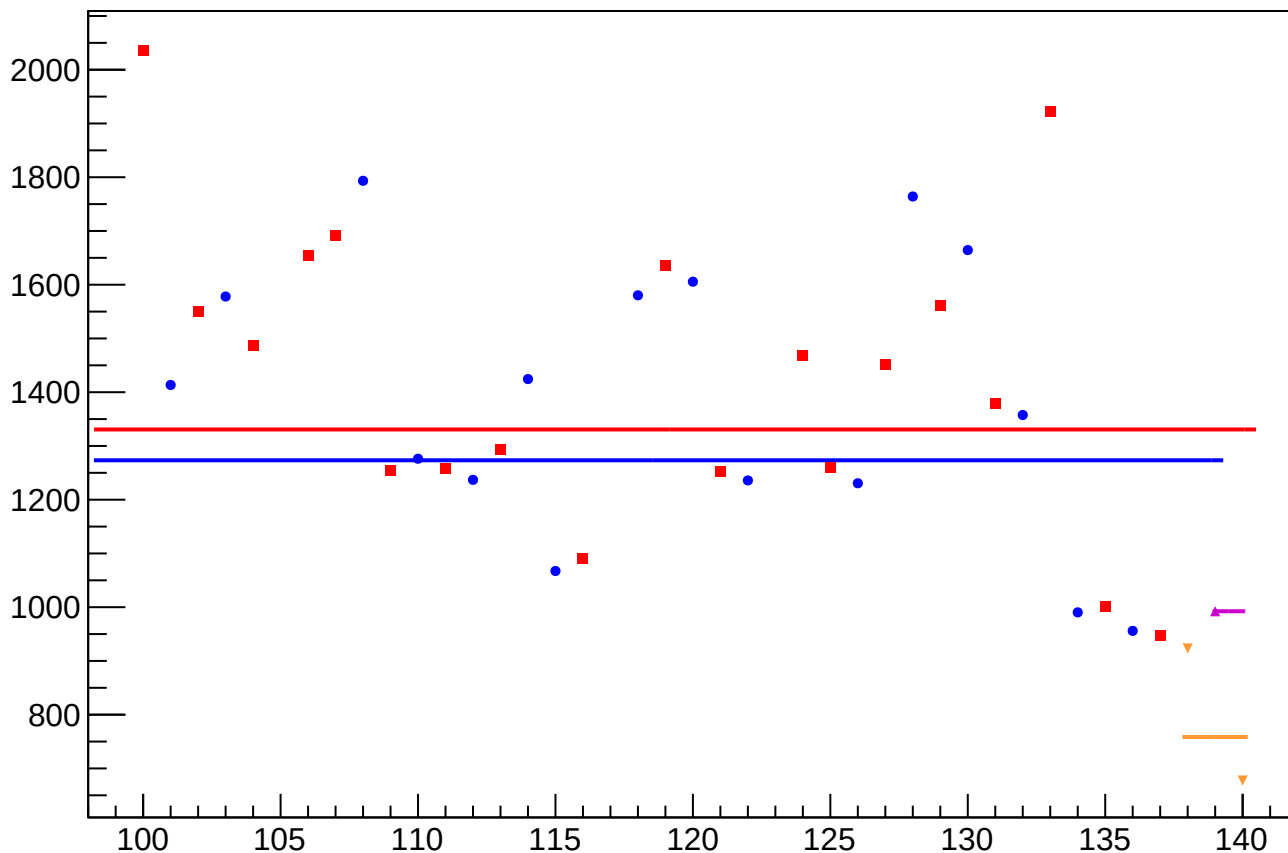
Left In: -1845.772+/-1081.275 χ^2/NDF : 0.0/0

+ sign -729.446+/-379.731 χ^2/NDF : 21.0/17

All: -922.833+/-290.504 χ^2/NDF : 33.5/37

- sign -1195.736+/-451.093 χ^2/NDF : 11.9/19

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF : 597520.6/15

Left Out: 758.506+/-0.430 χ^2/NDF : 72308.6/1

Right Out: 1330.683+/-0.351 χ^2/NDF : 470703.7/18

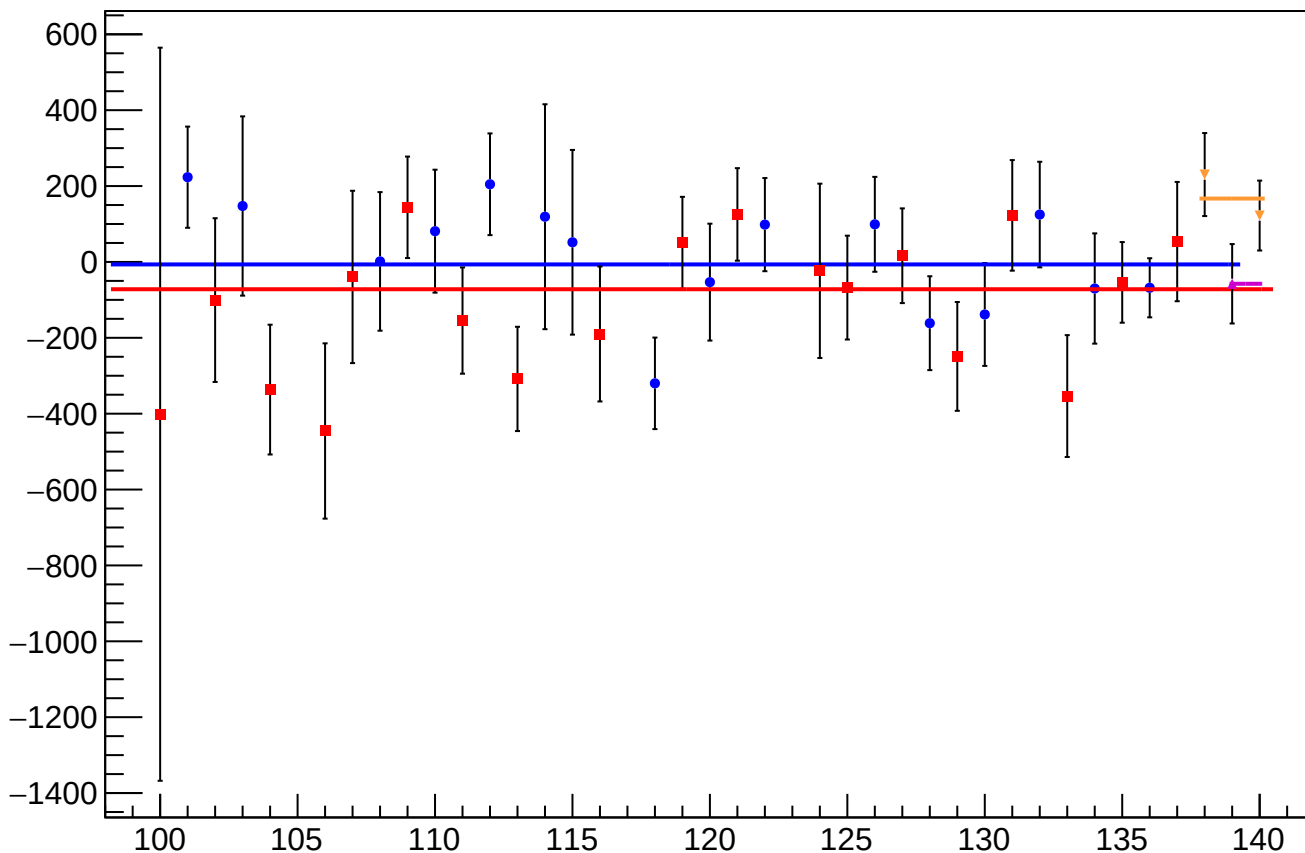
Left In: 992.467+/-0.765 χ^2/NDF : 0.0/0

+ sign 1072.179+/-0.269 χ^2/NDF : 1544943.4/17

All: 1154.976+/-0.205 χ^2/NDF : 2406538.1/37

- sign 1271.819+/-0.319 χ^2/NDF : 632326.6/19

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 ± 34.286 χ^2/NDF : 18.9/15

Left Out: 167.059 ± 70.477 χ^2/NDF : 0.6/1

Right Out: -71.981 ± 34.885 χ^2/NDF : 22.8/18

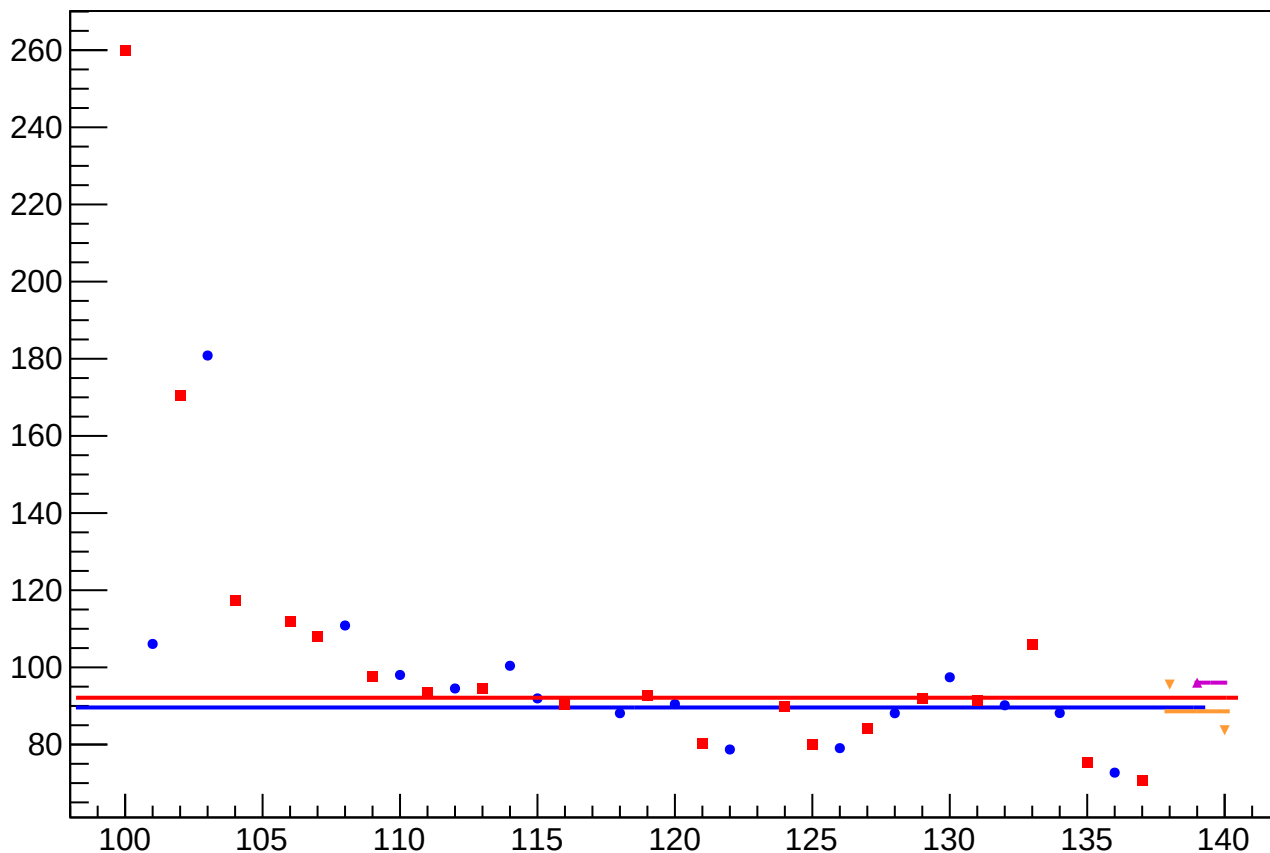
Left In: -57.585 ± 104.644 χ^2/NDF : 0.0/0

+ sign 26.660 ± 30.831 χ^2/NDF : 24.4/17

All: -18.503 ± 22.559 χ^2/NDF : 51.8/37

- sign -70.541 ± 33.094 χ^2/NDF : 22.8/19

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498384.4/15

Left Out: 88.604 $\pm$ 0.050 χ^2 /NDF:13704.9/1

Right Out: 92.129 $\pm$ 0.025 χ^2 /NDF: 540308.7/18

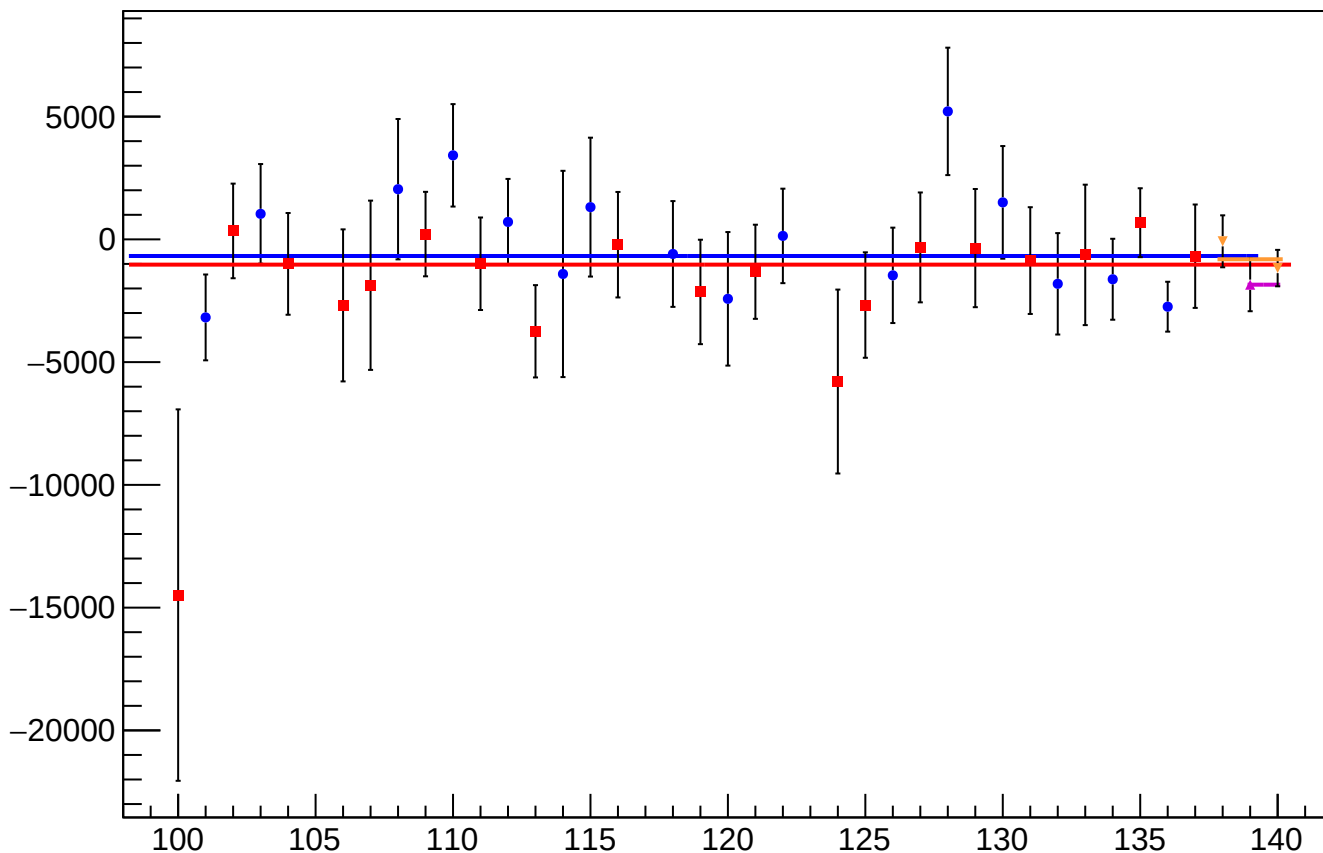
Left In: 96.038 $\pm$ 0.074 χ^2 /NDF:0.0/0

+ sign 89.412 $\pm$ 0.022 χ^2 /NDF: 512415.0/17

All: 90.856 $\pm$ 0.016 χ^2 /NDF: 1064678.3/37

- sign 92.520 $\pm$ 0.023 χ^2 /NDF: 542820.1/19

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF : 20.3/15

Left Out: -810.620+/-607.502 χ^2/NDF : 0.7/1

Right Out: -1029.395+/-497.018 χ^2/NDF : 11.0/18

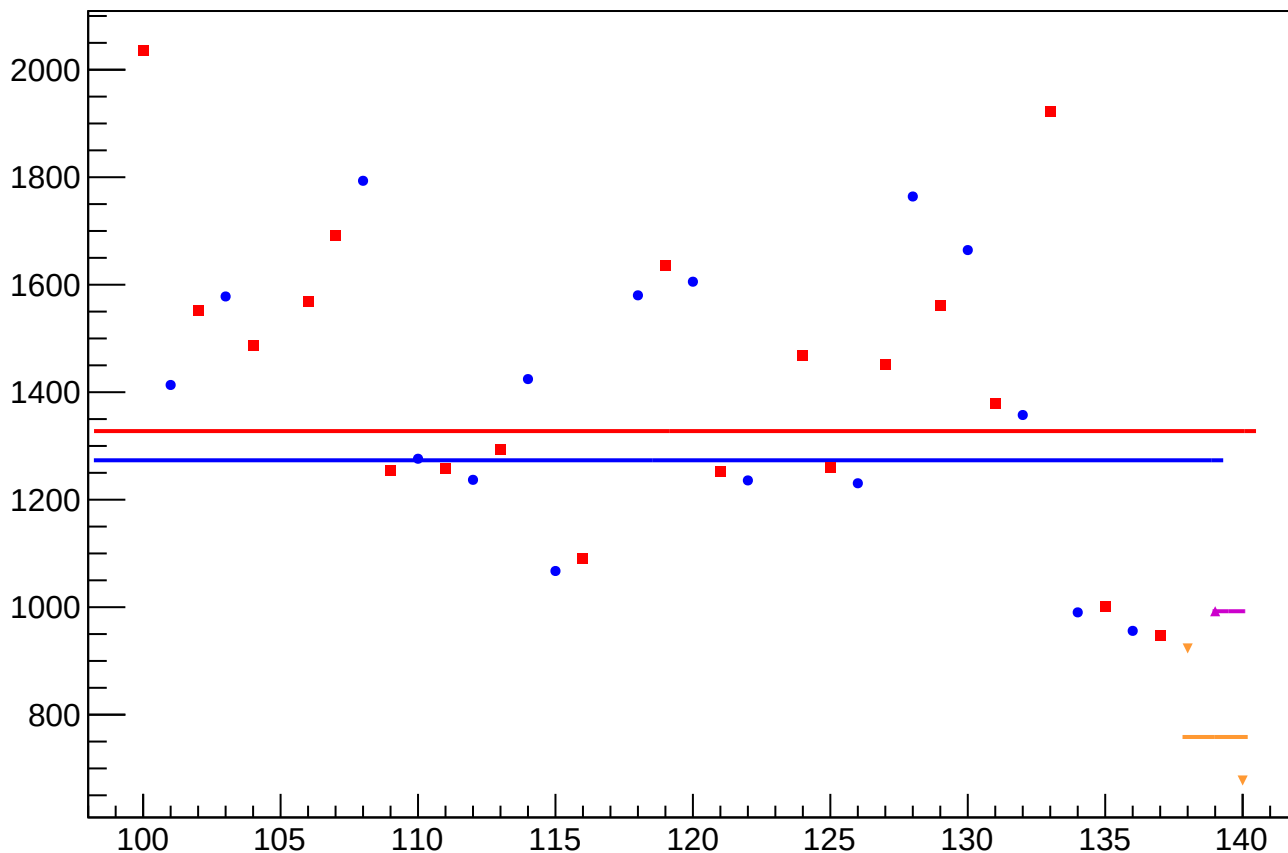
Left In: -1845.786+/-1081.274 χ^2/NDF : 0.0/0

+ sign -729.417+/-379.732 χ^2/NDF : 21.0/17

All: -912.651+/-290.638 χ^2/NDF : 33.0/37

- sign -1171.799+/-451.594 χ^2/NDF : 11.5/19

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF : 597547.8/15

Left Out: 758.505+/-0.430 χ^2/NDF : 72308.6/1

Right Out: 1327.661+/-0.351 χ^2/NDF : 458481.2/18

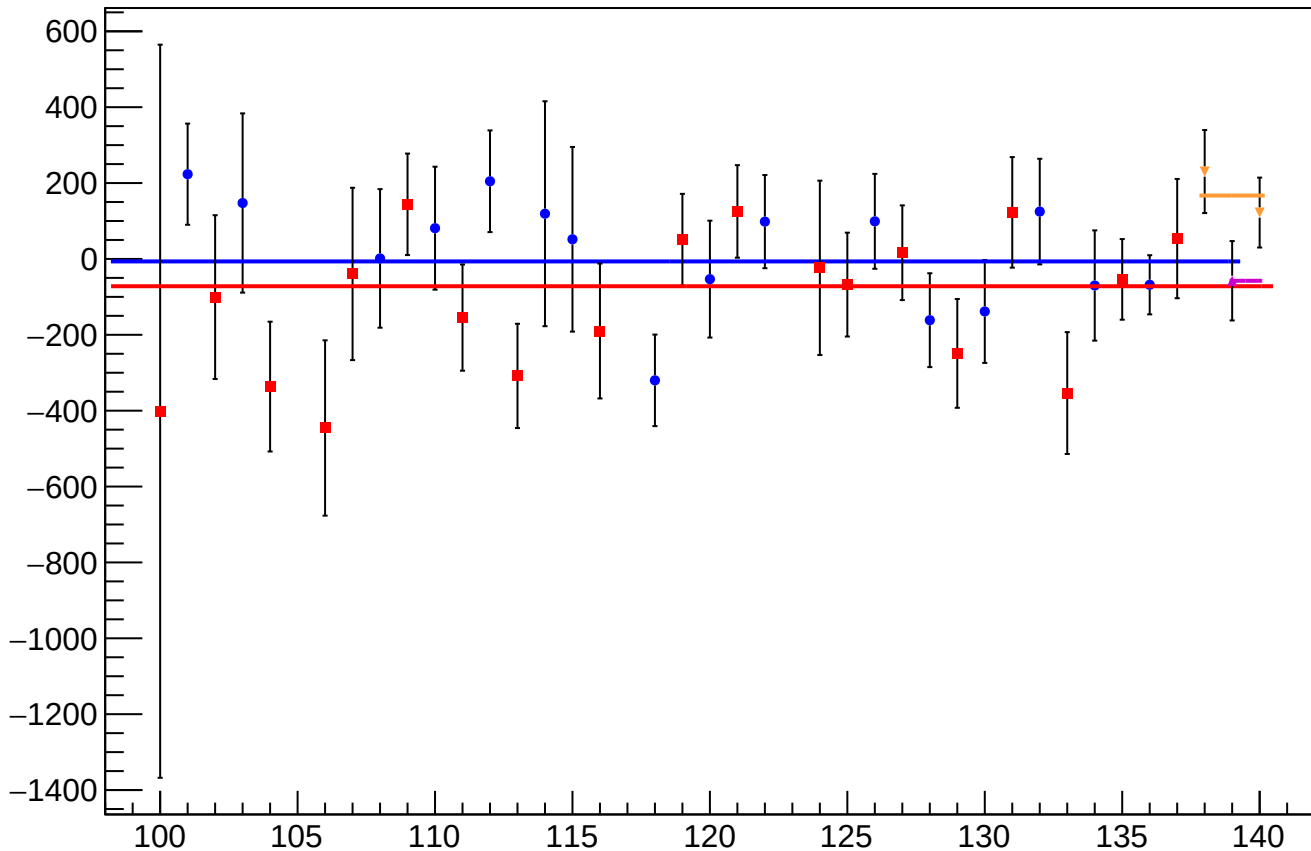
Left In: 992.466+/-0.765 χ^2/NDF : 0.0/0

+ sign 1072.179+/-0.269 χ^2/NDF : 1544983.3/17

All: 1153.782+/-0.206 χ^2/NDF : 2385122.0/37

- sign 1269.192+/-0.319 χ^2/NDF : 617154.7/19

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 ± 34.286 $\chi^2/\text{NDF}: 18.9/15$

Left Out: 167.059 ± 70.477 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -71.981 ± 34.885 $\chi^2/\text{NDF}: 22.8/18$

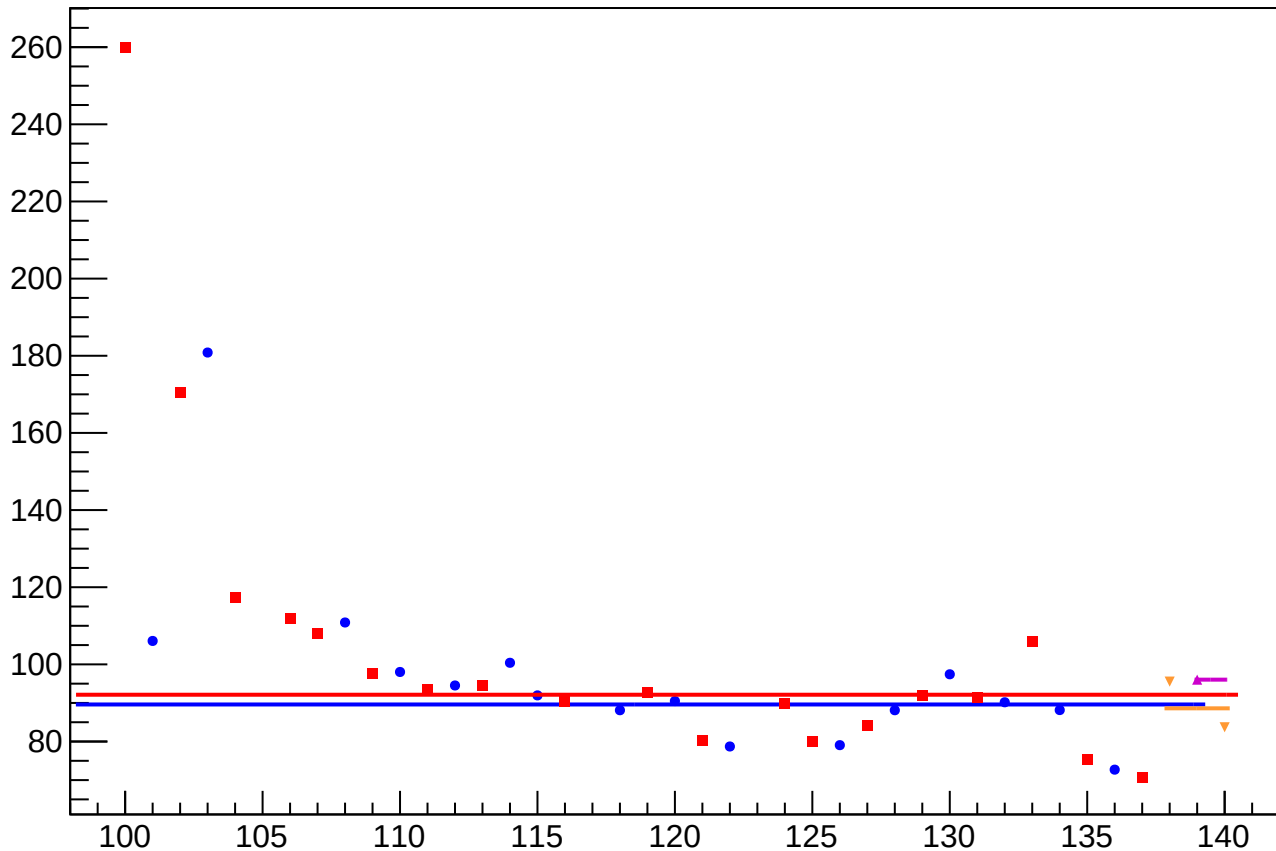
Left In: -57.585 ± 104.644 $\chi^2/\text{NDF}: 0.0/0$

+ sign 26.660 ± 30.831 $\chi^2/\text{NDF}: 24.4/17$

All: -18.503 ± 22.559 $\chi^2/\text{NDF}: 51.8/37$

- sign -70.541 ± 33.094 $\chi^2/\text{NDF}: 22.8/19$

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498384.4/15

Left Out: 88.604 $\pm$ 0.050 χ^2 /NDF: 13704.9/1

Right Out: 92.129 $\pm$ 0.025 χ^2 /NDF: 540308.7/18

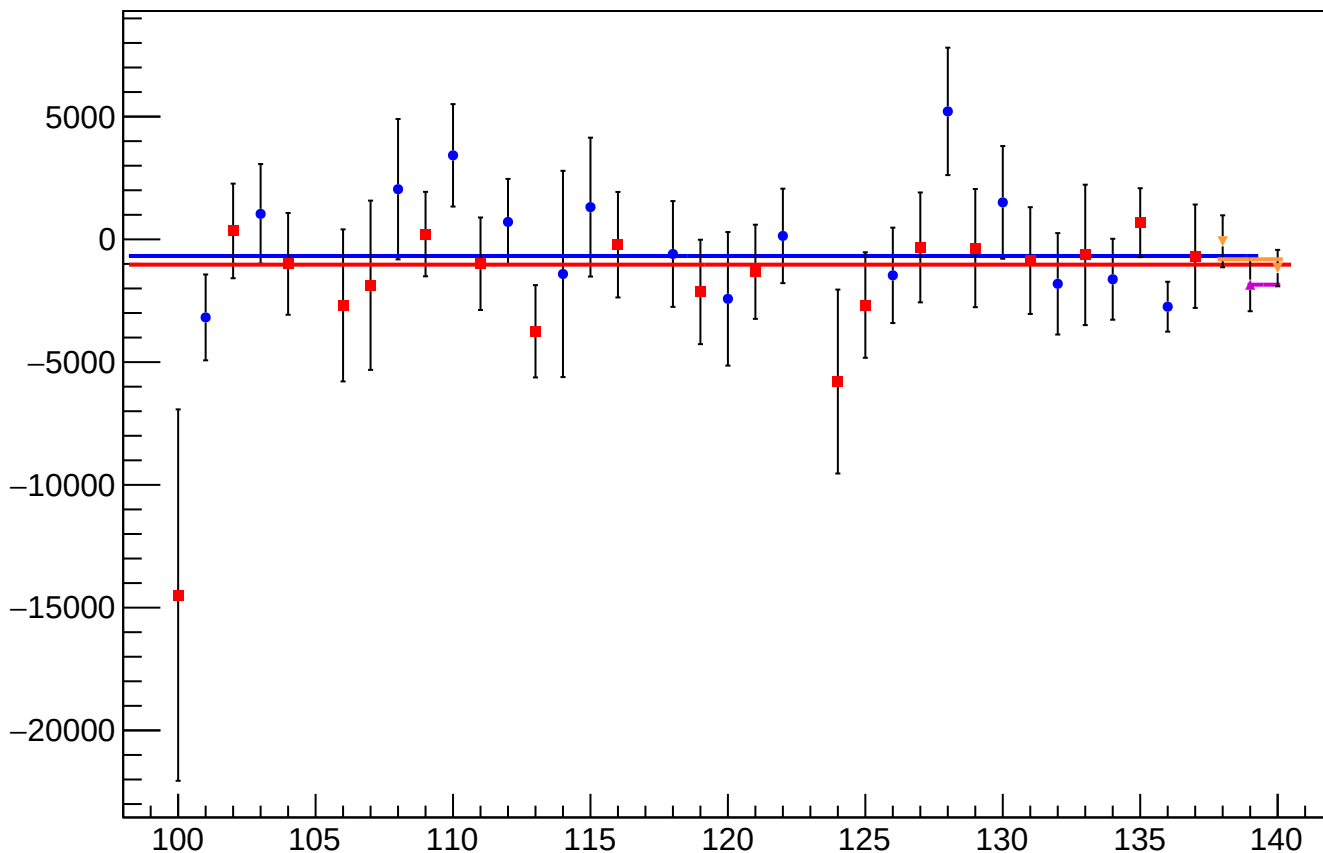
Left In: 96.038 $\pm$ 0.074 χ^2 /NDF: 0.0/0

+ sign 89.412 $\pm$ 0.022 χ^2 /NDF: 512415.0/17

All: 90.856 $\pm$ 0.016 χ^2 /NDF: 1064678.3/37

- sign 92.520 $\pm$ 0.023 χ^2 /NDF: 542820.1/19

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF : 20.3/15

Left Out: -810.620+/-607.502 χ^2/NDF : 0.7/1

Right Out: -1029.395+/-497.018 χ^2/NDF : 11.0/18

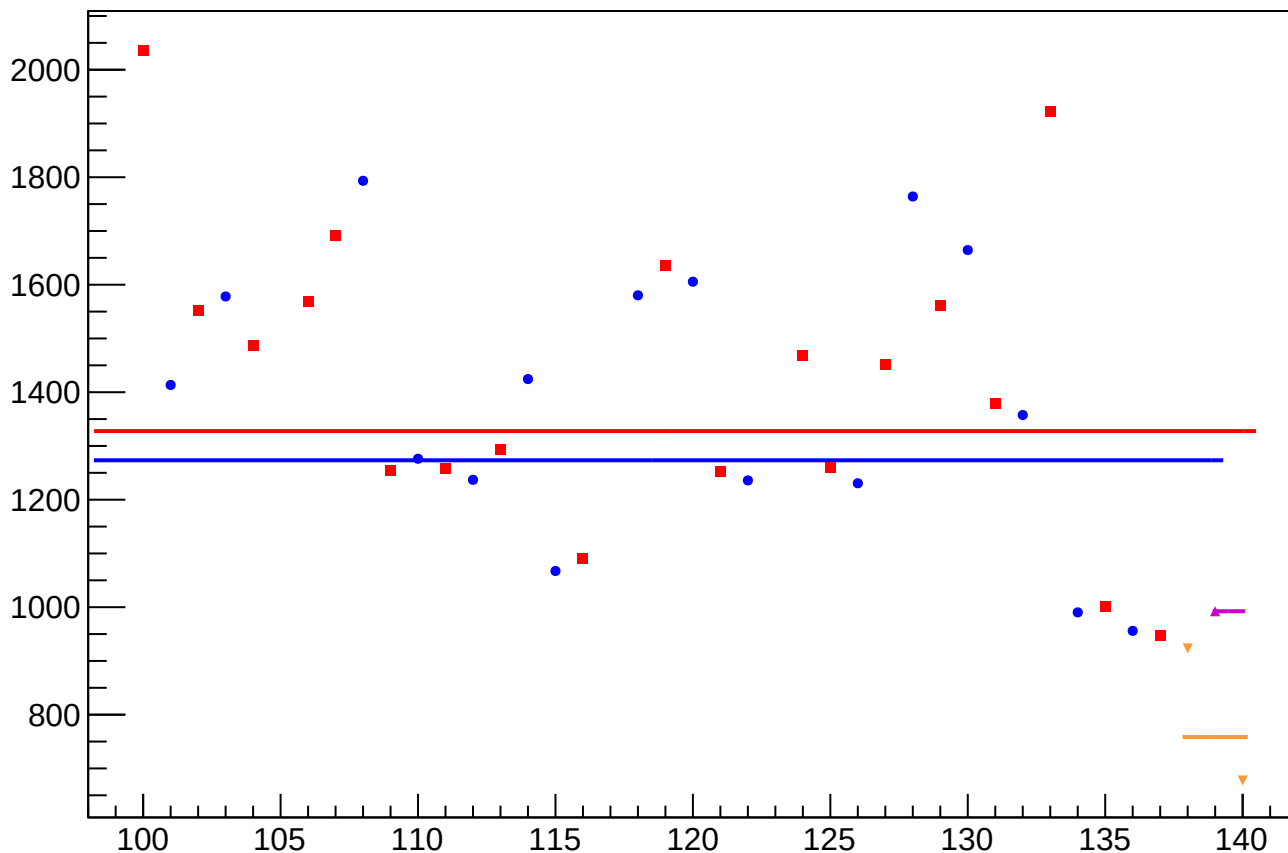
Left In: -1845.786+/-1081.274 χ^2/NDF : 0.0/0

+ sign -729.417+/-379.732 χ^2/NDF : 21.0/17

All: -912.651+/-290.638 χ^2/NDF : 33.0/37

- sign -1171.799+/-451.594 χ^2/NDF : 11.5/19

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF : 597547.8/15

Left Out: 758.505+/-0.430 χ^2/NDF : 72308.6/1

Right Out: 1327.661+/-0.351 χ^2/NDF : 458481.2/18

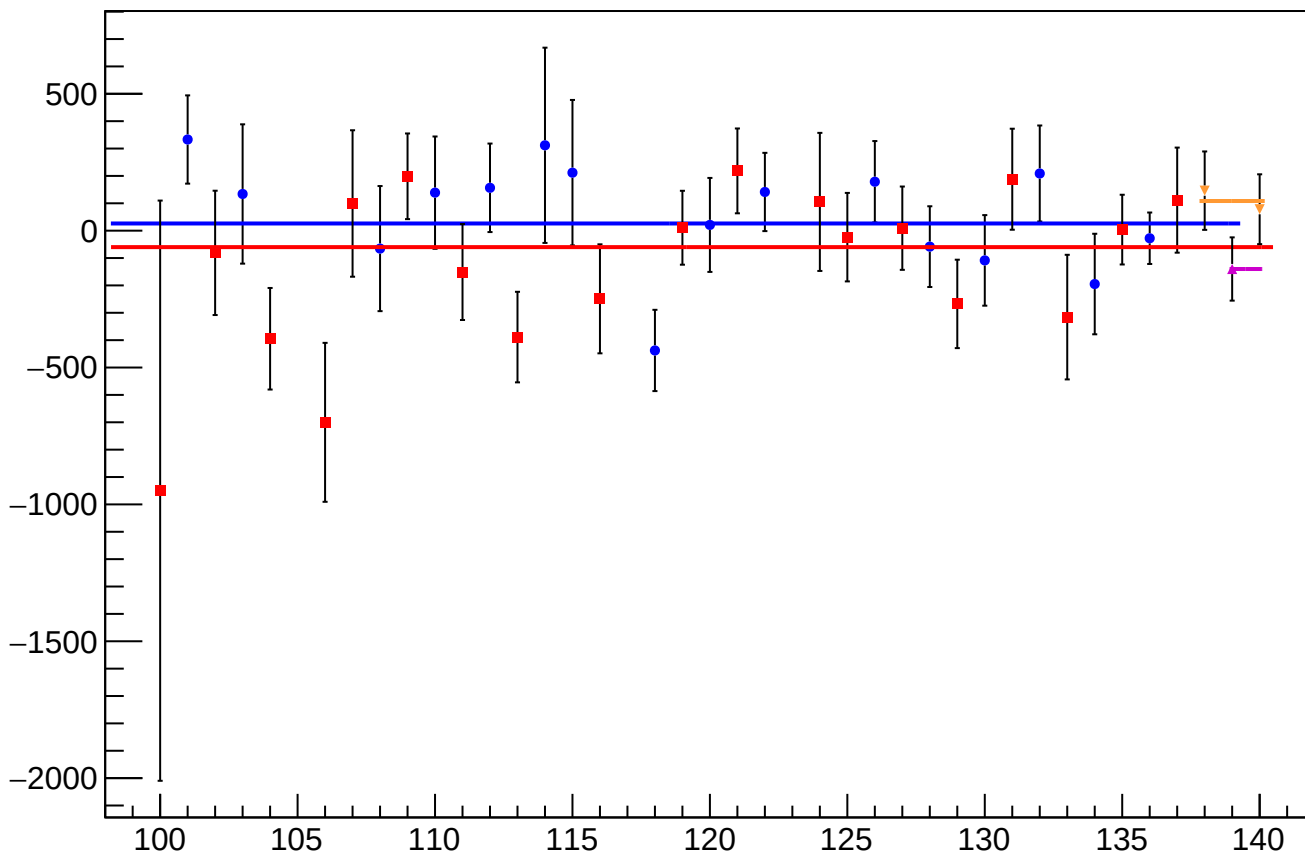
Left In: 992.466+/-0.765 χ^2/NDF : 0.0/0

+ sign 1072.179+/-0.269 χ^2/NDF : 1544983.3/17

All: 1153.782+/-0.206 χ^2/NDF : 2385122.0/37

- sign 1269.192+/-0.319 χ^2/NDF : 617154.7/19

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF : 21.4/15

Left Out: 108.338+/-95.259 χ^2/NDF : 0.1/1

Right Out: -60.119+/-41.528 χ^2/NDF : 27.0/18

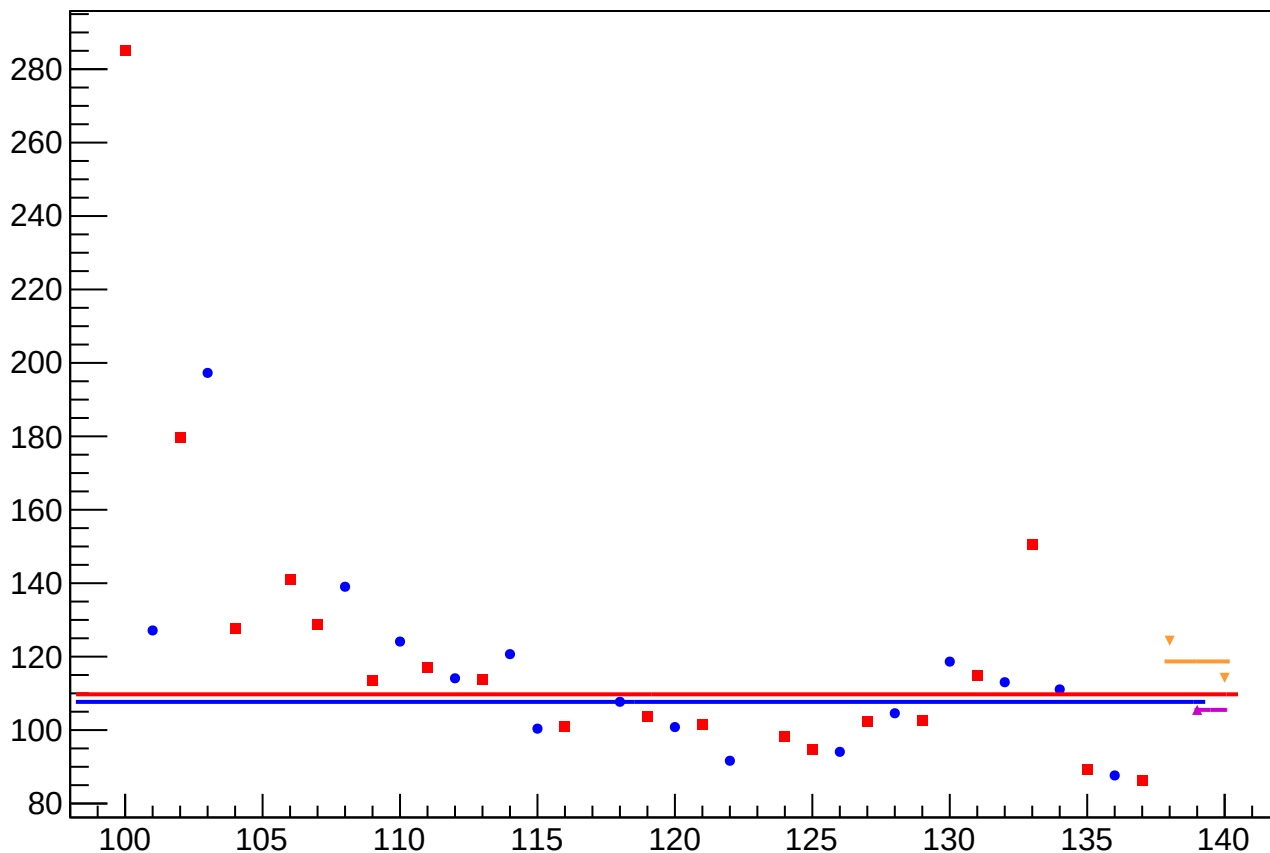
Left In: -140.060+/-115.575 χ^2/NDF : 0.0/0

+ sign 39.197+/-37.830 χ^2/NDF : 22.1/17

All: -13.267+/-27.182 χ^2/NDF : 53.5/37

- sign -69.260+/-39.082 χ^2/NDF : 27.4/19

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680 $\pm$ 0.029 χ^2 /NDF: 483125.6/15

Left Out: 118.695 $\pm$ 0.067 χ^2 /NDF: 5555.8/1

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491787.3/18

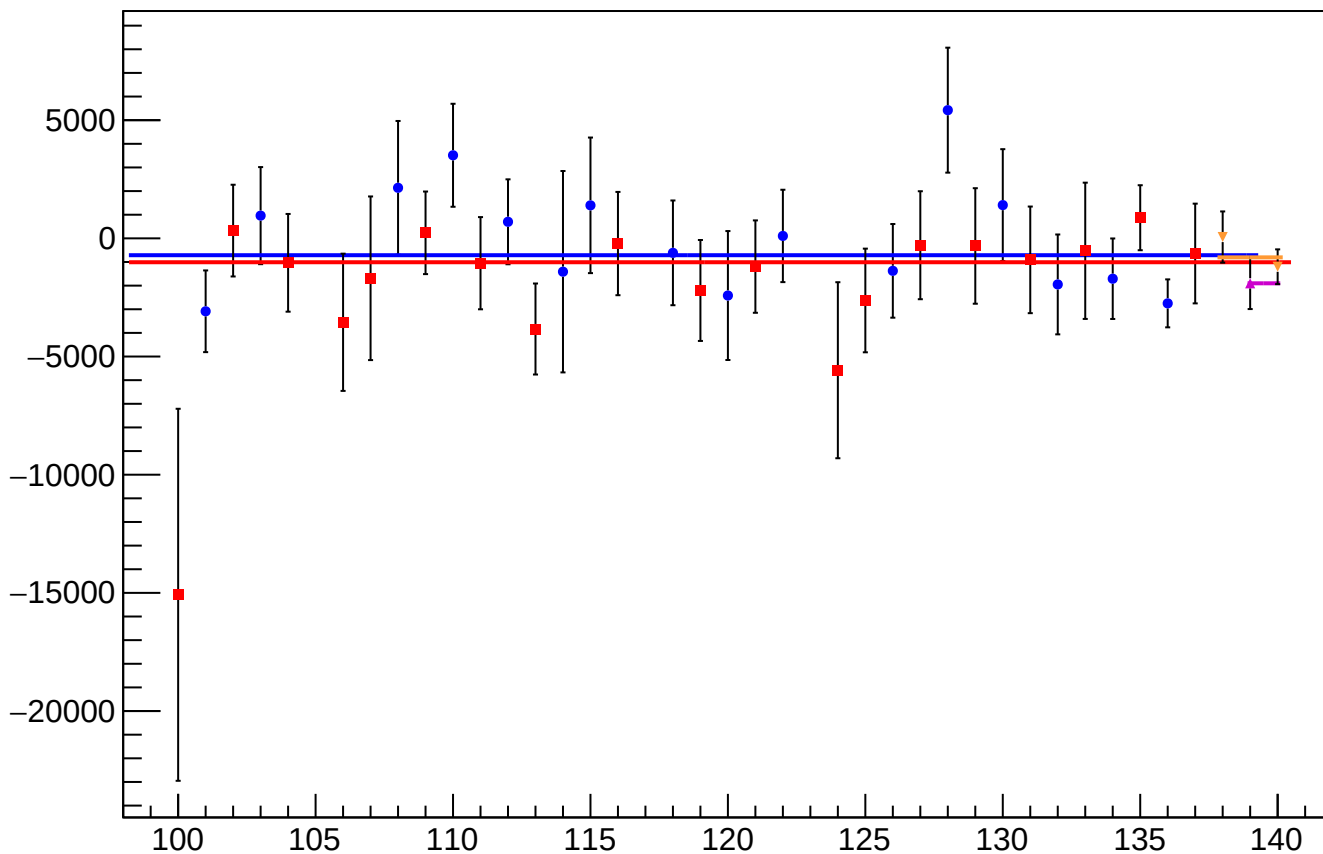
Left In: 105.502 $\pm$ 0.082 χ^2 /NDF: 0.0/0

+ sign 109.417 $\pm$ 0.027 χ^2 /NDF: 511207.2/17

All: 109.339 $\pm$ 0.019 χ^2 /NDF: 1005393.4/37

- sign 109.255 $\pm$ 0.028 χ^2 /NDF: 494168.4/19

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF : 20.1/15

Left Out: -804.403+/-608.488 χ^2/NDF : 0.9/1

Right Out: -1010.557+/-501.374 χ^2/NDF : 11.8/18

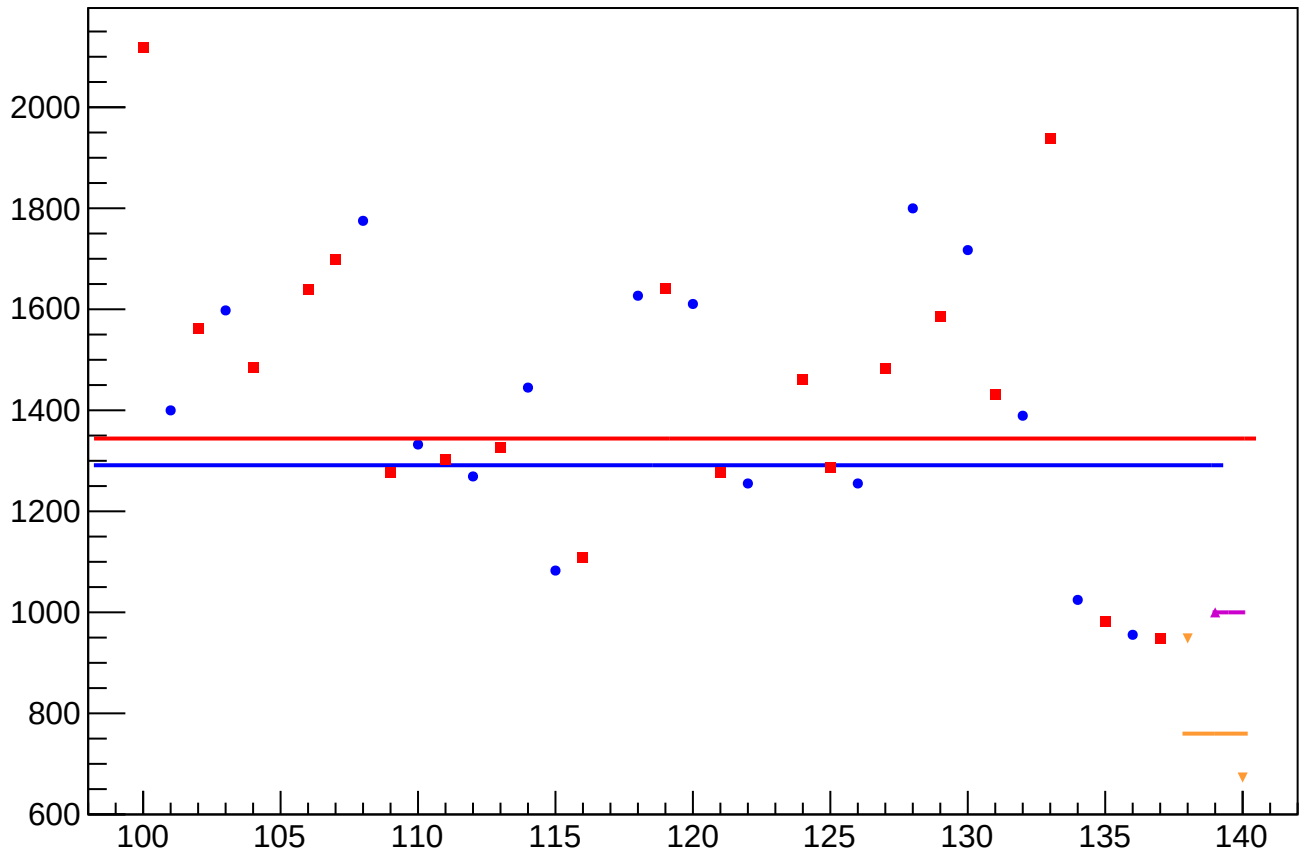
Left In: -1901.998+/-1089.714 χ^2/NDF : 0.0/0

+ sign -749.177+/-383.173 χ^2/NDF : 21.0/17

All: -922.040+/-293.216 χ^2/NDF : 33.8/37

- sign -1166.297+/-455.477 χ^2/NDF : 12.3/19

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF : 610897.3/15

Left Out: 759.857+/-0.430 χ^2/NDF : 88513.3/1

Right Out: 1344.118+/-0.355 χ^2/NDF : 490963.7/18

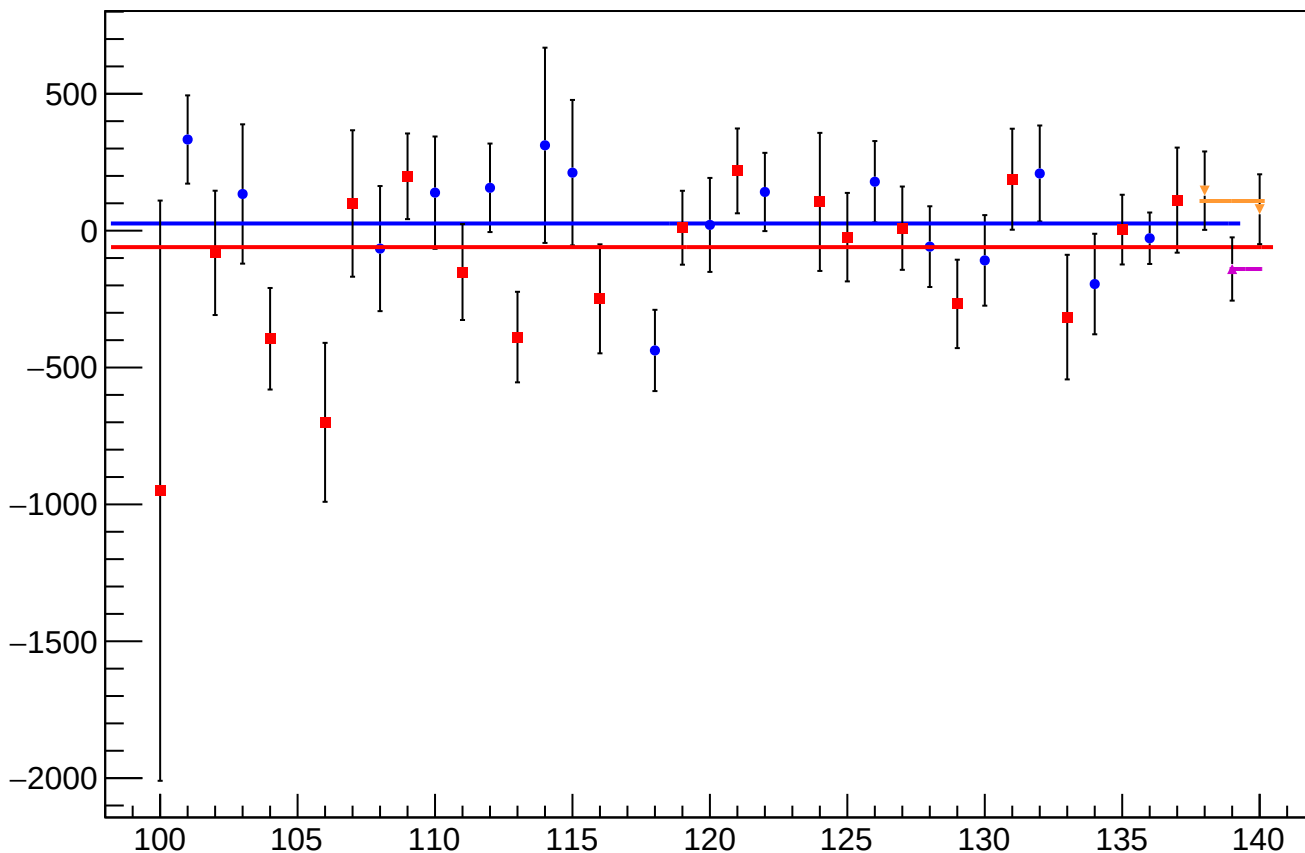
Left In: 999.957+/-0.771 χ^2/NDF : 0.0/0

+ sign 1080.516+/-0.271 χ^2/NDF : 1619781.7/17

All: 1164.841+/-0.207 χ^2/NDF : 2509110.6/37

- sign 1283.991+/-0.322 χ^2/NDF : 655604.2/19

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252 ± 41.219 $\chi^2/\text{NDF}: 21.4/15$

Left Out: 108.338 ± 95.259 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -60.117 ± 41.528 $\chi^2/\text{NDF}: 27.0/18$

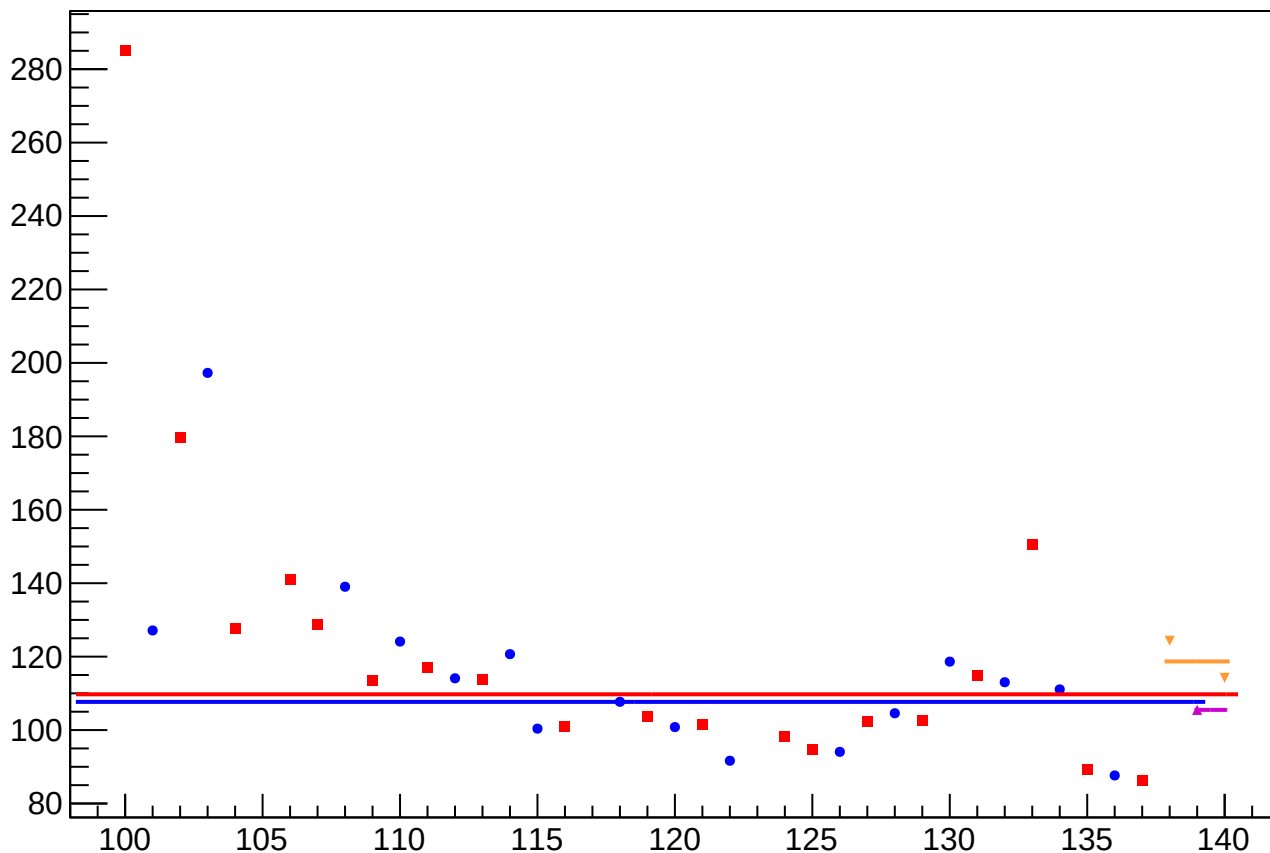
Left In: -140.053 ± 115.575 $\chi^2/\text{NDF}: 0.0/0$

+ sign 39.198 ± 37.830 $\chi^2/\text{NDF}: 22.1/17$

All: -13.265 ± 27.181 $\chi^2/\text{NDF}: 53.5/37$

- sign -69.258 ± 39.082 $\chi^2/\text{NDF}: 27.4/19$

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679 $\pm$ 0.029 χ^2 /NDF: 483112.2/15

Left Out: 118.695 $\pm$ 0.067 χ^2 /NDF:5554.5/1

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491784.5/18

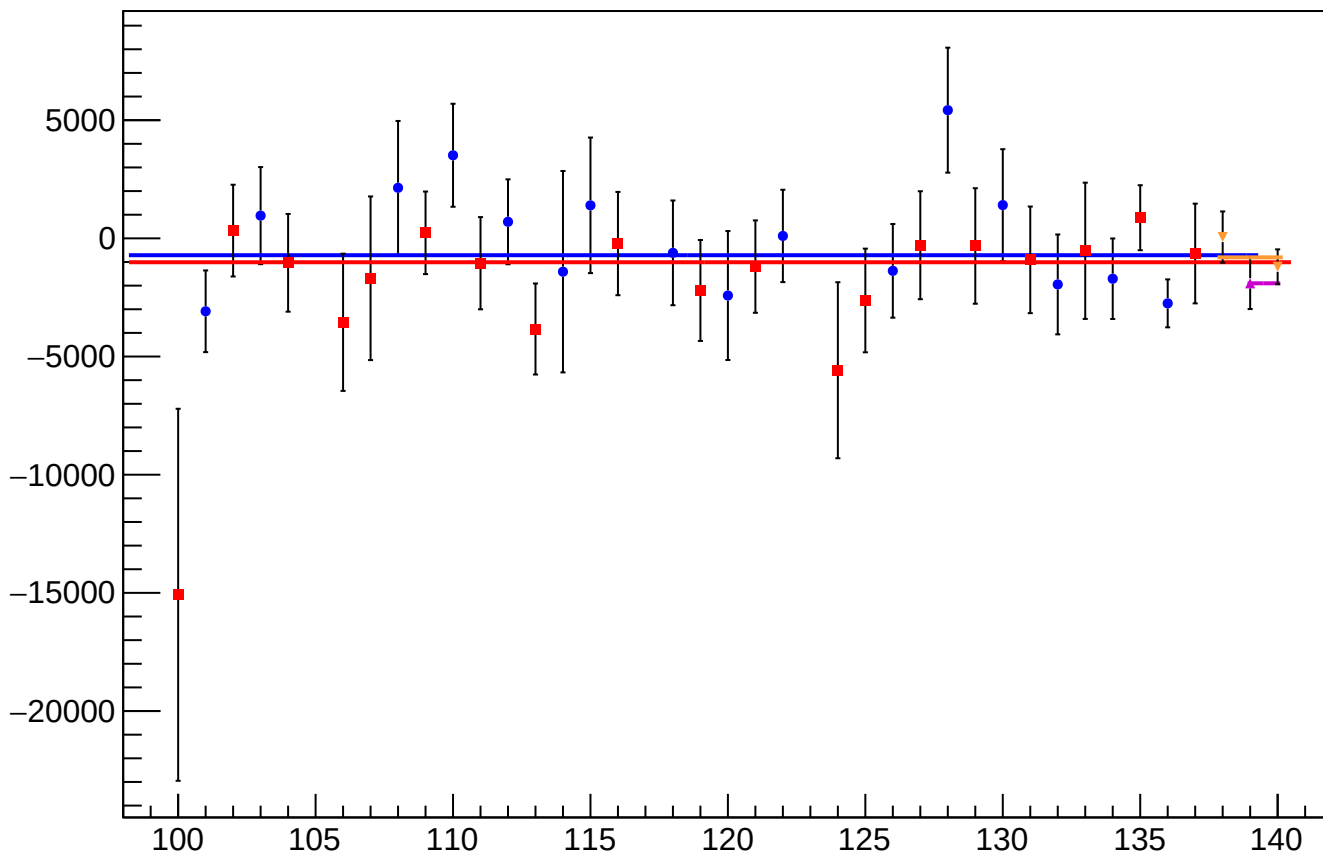
Left In: 105.502 $\pm$ 0.082 χ^2 /NDF:0.0/0

+ sign 109.416 $\pm$ 0.027 χ^2 /NDF: 511195.0/17

All: 109.338 $\pm$ 0.019 χ^2 /NDF: 1005378.0/37

- sign 109.254 $\pm$ 0.028 χ^2 /NDF: 494165.2/19

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -712.881+/-493.252 χ^2/NDF : 20.1/15

Left Out: -804.403+/-608.486 χ^2/NDF : 0.9/1

Right Out: -1010.556+/-501.373 χ^2/NDF : 11.8/18

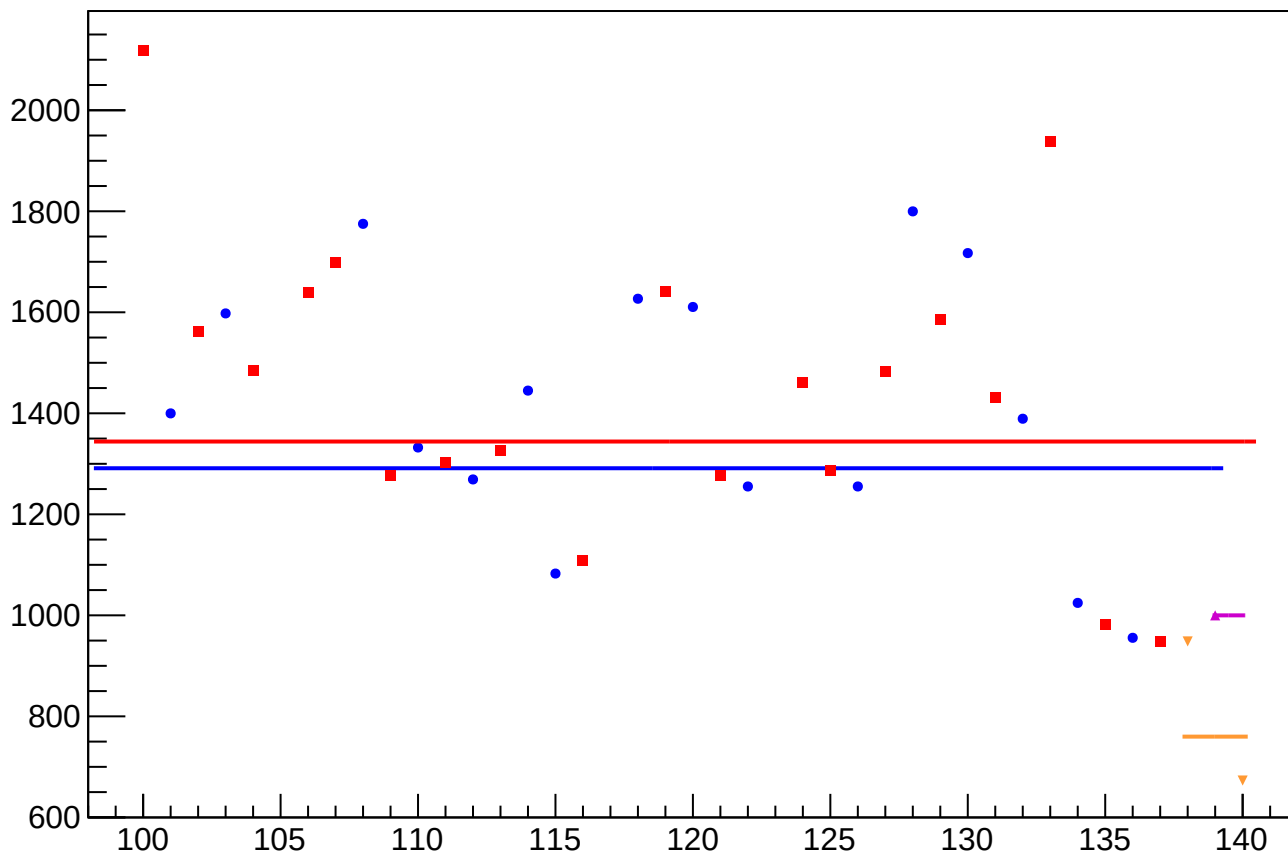
Left In: -1901.996+/-1089.710 χ^2/NDF : 0.0/0

+ sign -749.173+/-383.172 χ^2/NDF : 21.0/17

All: -922.038+/-293.215 χ^2/NDF : 33.8/37

- sign -1166.296+/-455.475 χ^2/NDF : 12.3/19

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF : 610894.9/15

Left Out: 759.855+/-0.430 χ^2/NDF : 88512.2/1

Right Out: 1344.115+/-0.355 χ^2/NDF : 490963.4/18

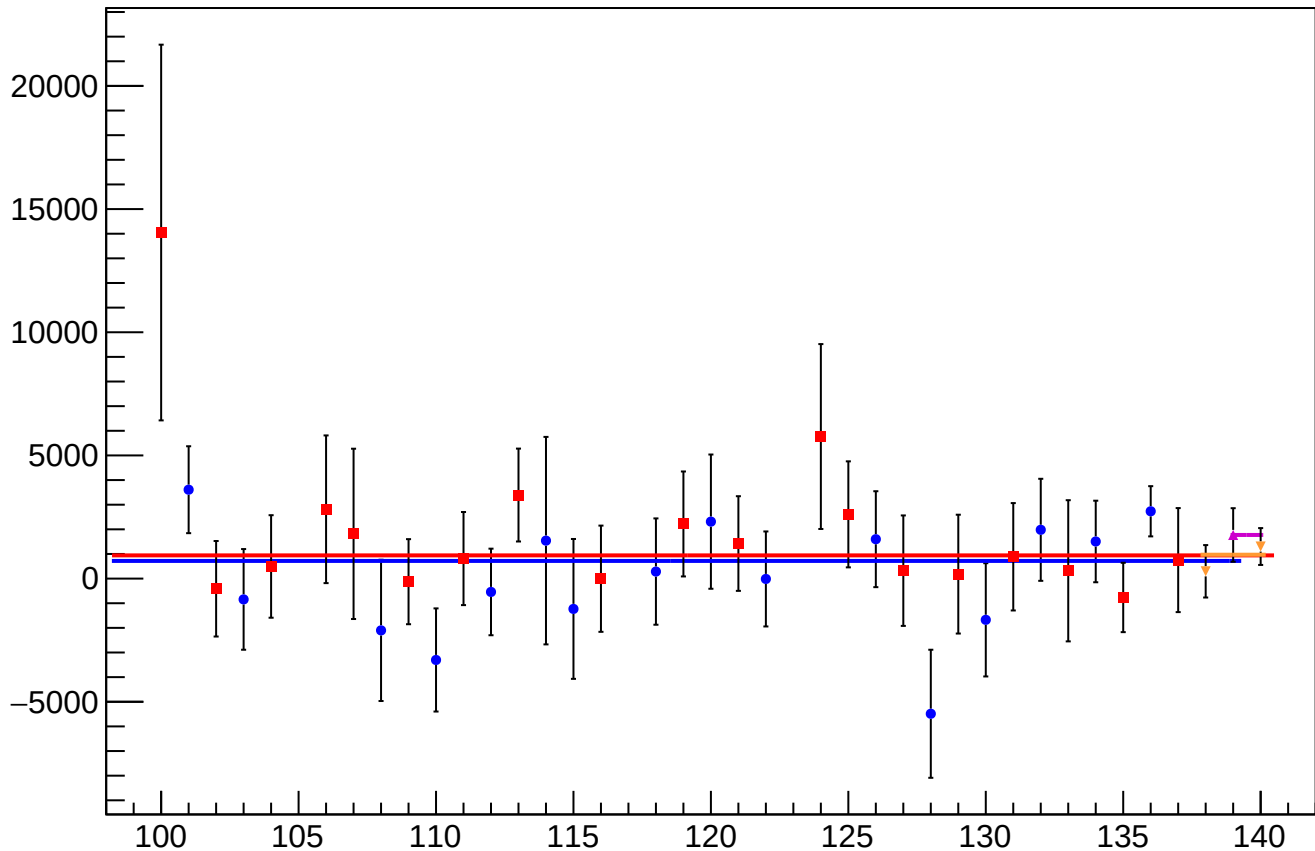
Left In: 999.954+/-0.771 χ^2/NDF : 0.0/0

+ sign 1080.513+/-0.271 χ^2/NDF : 1619782.1/17

All: 1164.837+/-0.207 χ^2/NDF : 2509112.4/37

- sign 1283.988+/-0.322 χ^2/NDF : 655605.4/19

asym_sam_2468_avg_mean vs Slug



Right In: 717.617 $\pm$ 488.239 χ^2 /NDF: 21.0/15

Left Out: 969.552 $\pm$ 611.855 χ^2 /NDF: 0.6/1

Right Out: 942.308 $\pm$ 498.052 χ^2 /NDF: 10.6/18

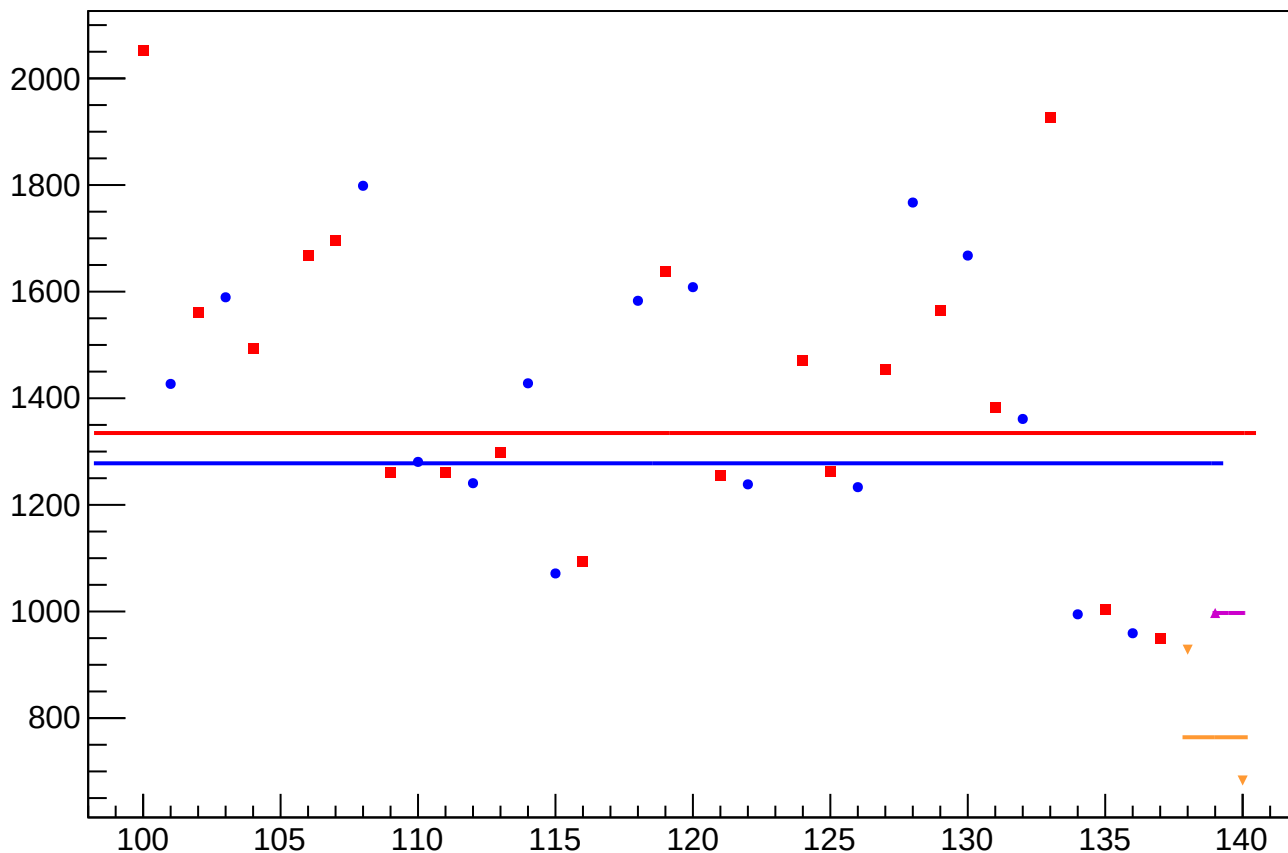
Left In: 1771.537 $\pm$ 1086.417 χ^2 /NDF: 0.0/0

+ sign 815.628 $\pm$ 381.629 χ^2 /NDF: 21.7/17

All: 928.067 $\pm$ 291.794 χ^2 /NDF: 33.0/37

- sign 1086.316 $\pm$ 452.744 χ^2 /NDF: 11.1/19

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF : 597666.8/15

Left Out: 764.089+/-0.433 χ^2/NDF : 71210.9/1

Right Out: 1334.775+/-0.352 χ^2/NDF : 471897.2/18

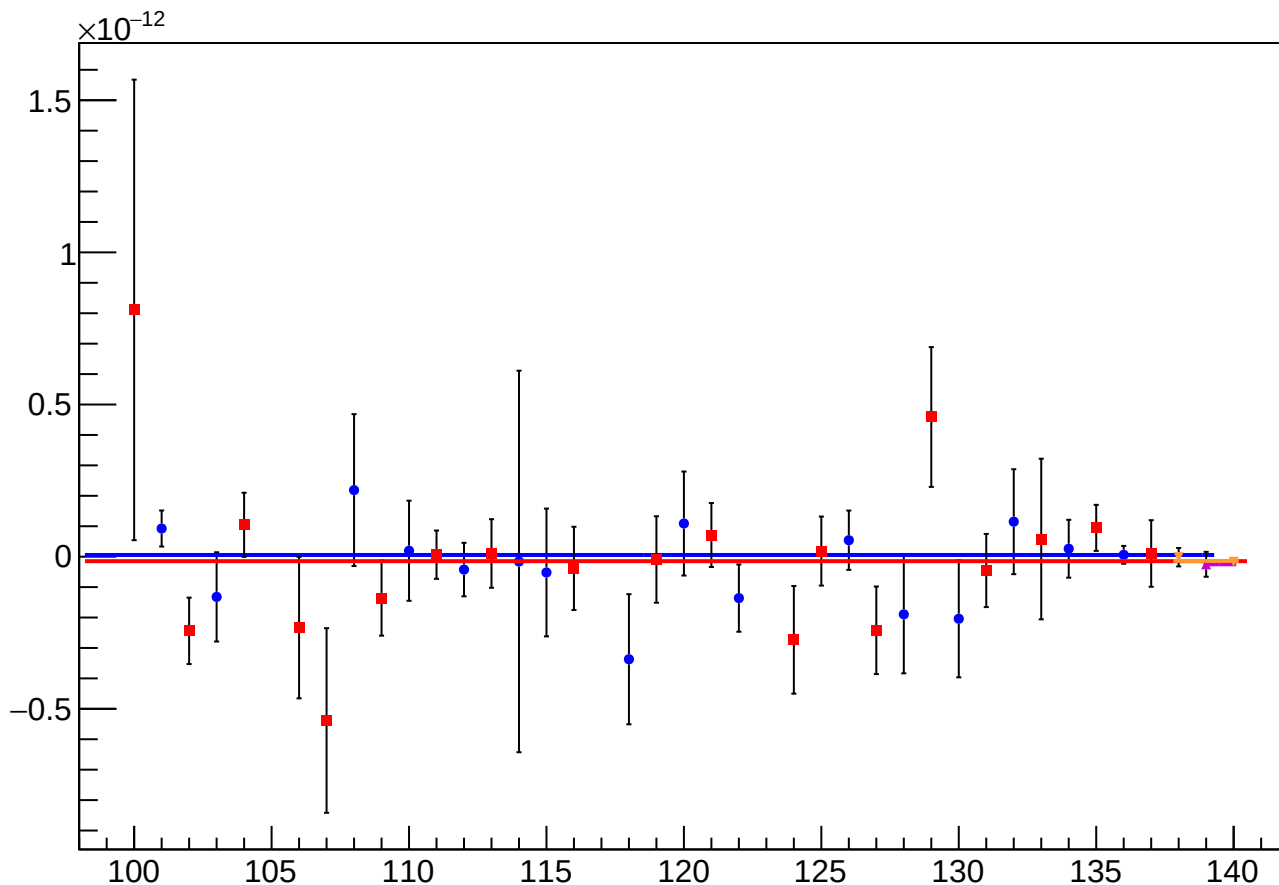
Left In: 997.205+/-0.768 χ^2/NDF : 0.0/0

+ sign 1078.059+/-0.270 χ^2/NDF : 1530843.8/17

All: 1160.343+/-0.206 χ^2/NDF : 2386135.1/37

- sign 1276.151+/-0.320 χ^2/NDF : 631456.3/19

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF : 23.8/18

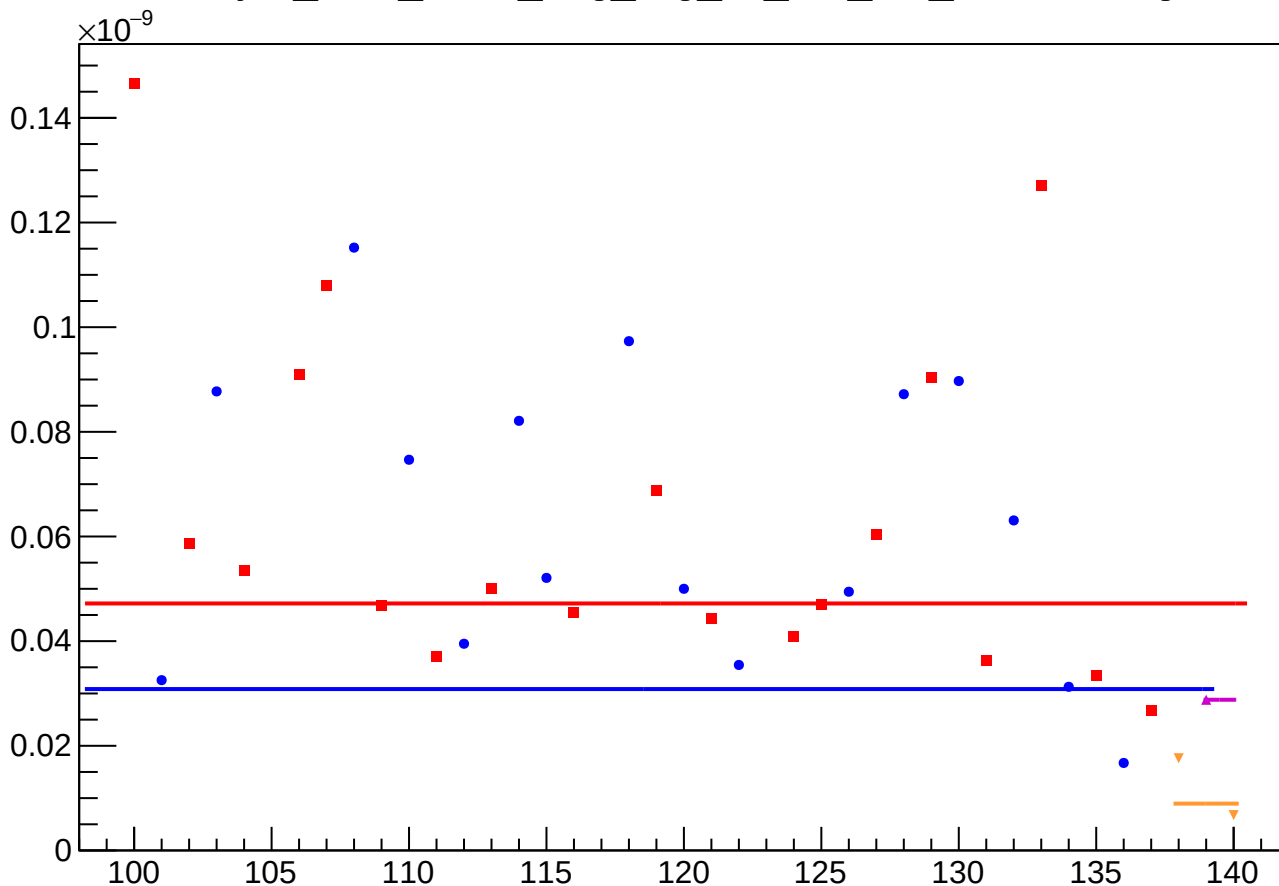
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 12.4/17

All: -0.000+/-0.000 χ^2/NDF : 36.4/37

- sign -0.000+/-0.000 χ^2/NDF : 23.8/19

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 206280.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 722091.3/18

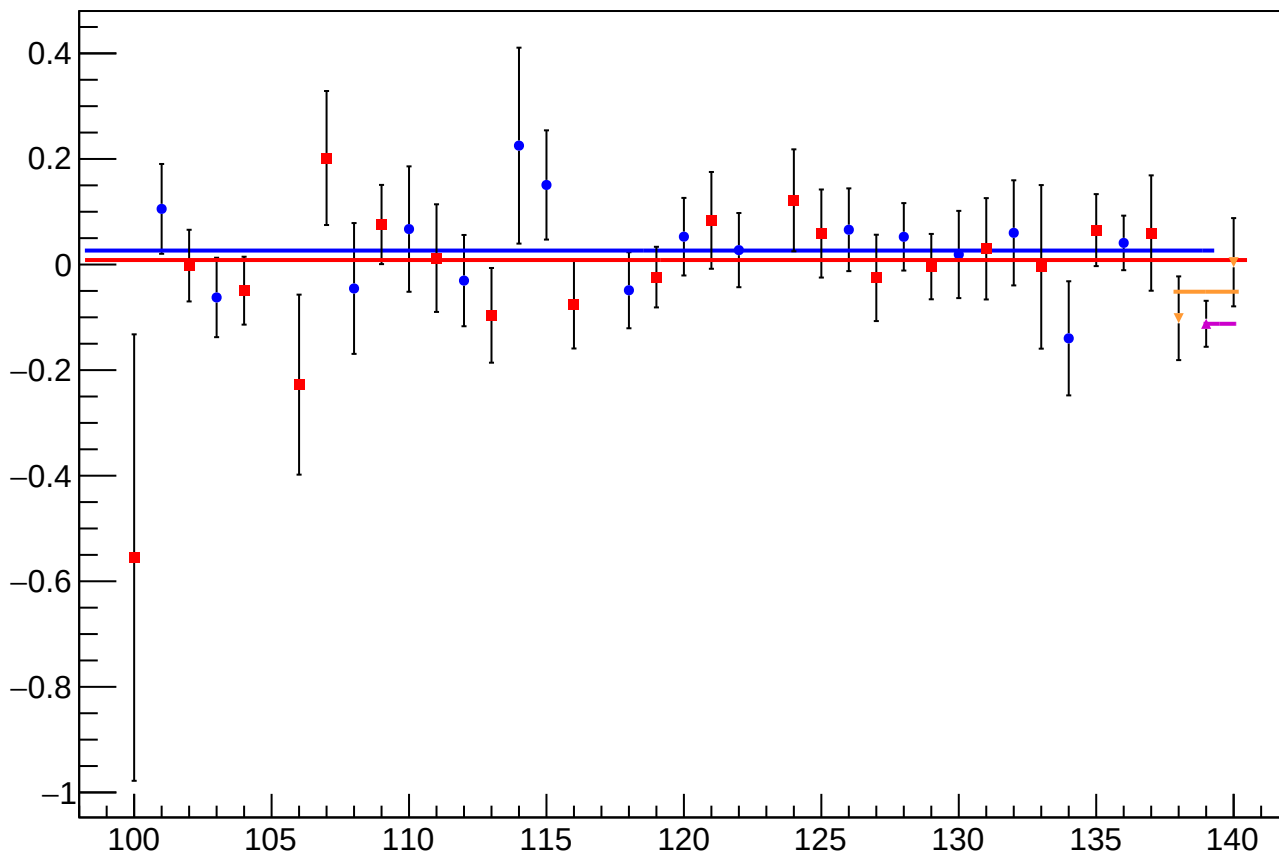
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3593837.1/17

All: 0.000+/-0.000 χ^2/NDF : 6566929.8/37

- sign 0.000+/-0.000 χ^2/NDF : 993881.3/19

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2/NDF : 9.9/15

Left Out: -0.051 $\pm$ 0.058 χ^2/NDF : 0.8/1

Right Out: 0.009 $\pm$ 0.019 χ^2/NDF : 13.9/18

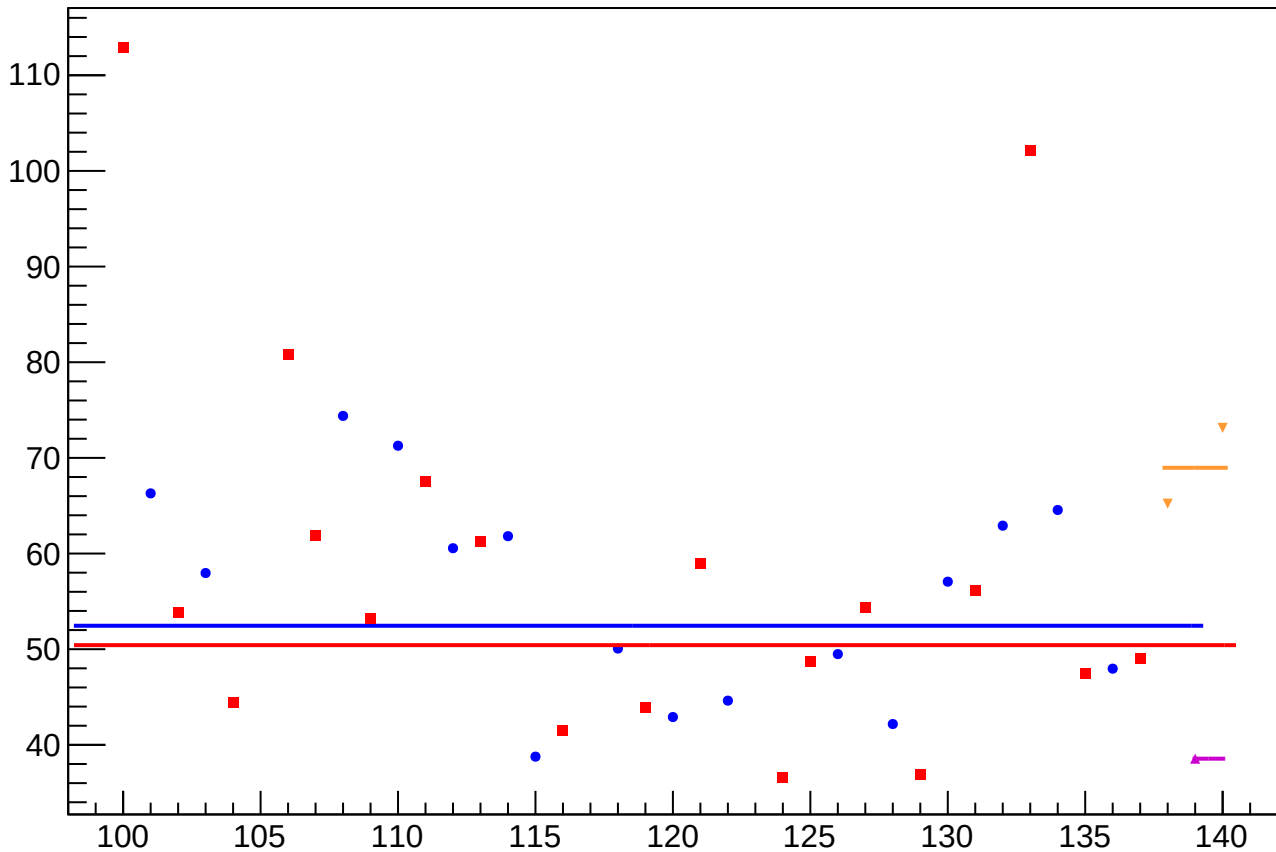
Left In: -0.112 $\pm$ 0.044 χ^2/NDF : 0.0/0

+ sign 0.018 $\pm$ 0.019 χ^2/NDF : 12.4/17

All: 0.002 $\pm$ 0.013 χ^2/NDF : 34.0/37

- sign -0.012 $\pm$ 0.018 χ^2/NDF : 20.4/19

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451 $\pm$ 0.014 χ^2 /NDF: 418014.5/15

Left Out: 68.966 $\pm$ 0.041 χ^2 /NDF: 9460.5/1

Right Out: 50.423 $\pm$ 0.014 χ^2 /NDF: 676747.2/18

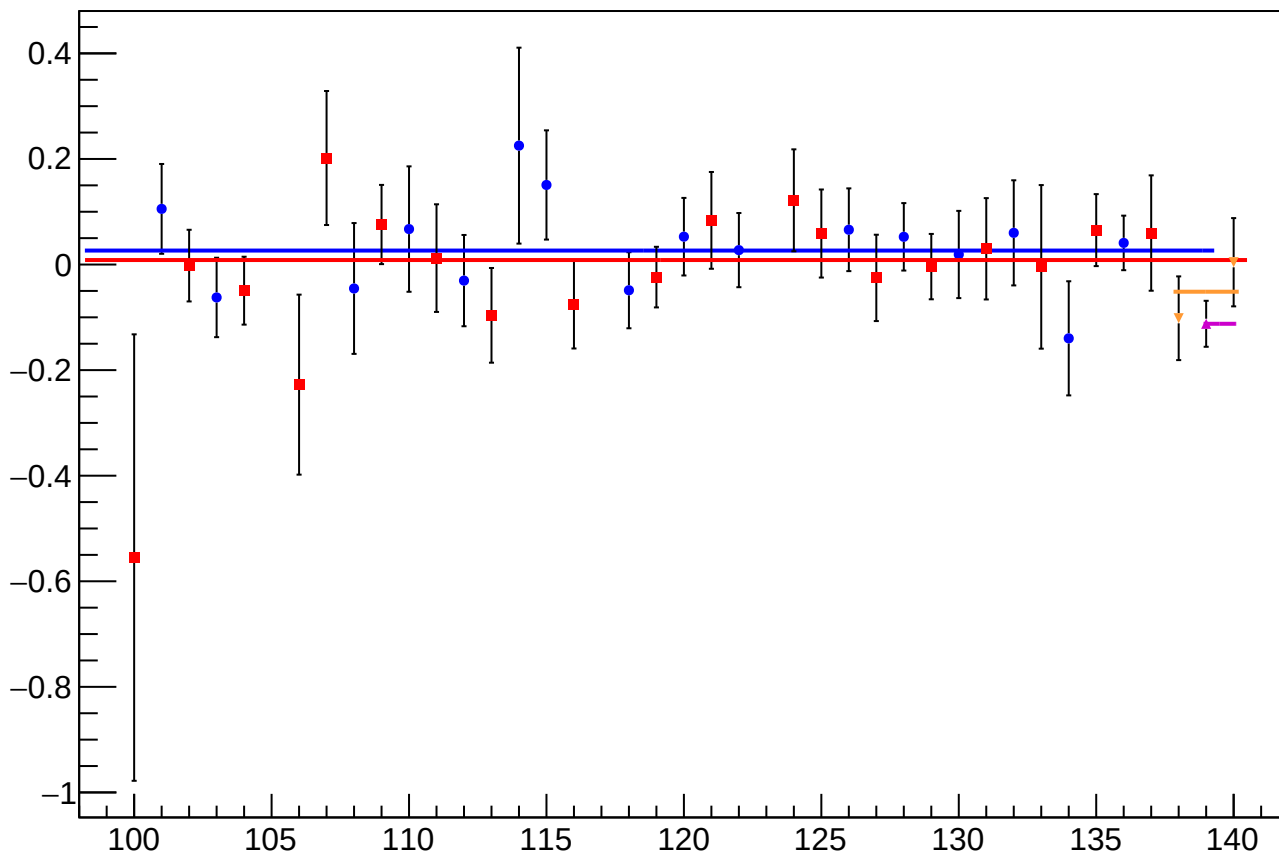
Left In: 38.556 $\pm$ 0.031 χ^2 /NDF: 0.0/0

+ sign 54.295 $\pm$ 0.014 χ^2 /NDF: 573873.7/17

All: 51.142 $\pm$ 0.009 χ^2 /NDF: 1474183.2/37

- sign 48.445 $\pm$ 0.013 χ^2 /NDF: 800493.8/19

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2/NDF : 9.9/15

Left Out: -0.051 $\pm$ 0.058 χ^2/NDF : 0.8/1

Right Out: 0.009 $\pm$ 0.019 χ^2/NDF : 13.9/18

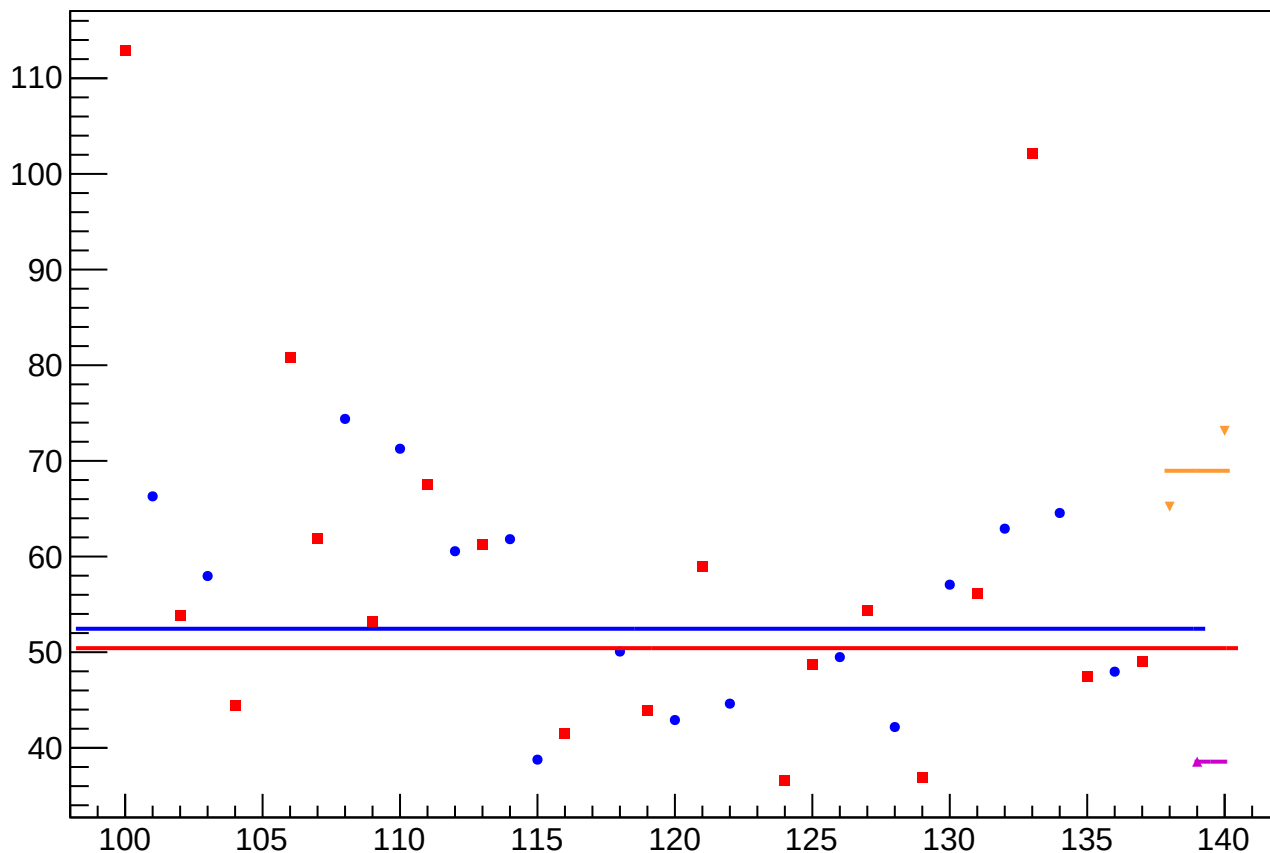
Left In: -0.112 $\pm$ 0.044 χ^2/NDF : 0.0/0

+ sign 0.018 $\pm$ 0.019 χ^2/NDF : 12.4/17

All: 0.002 $\pm$ 0.013 χ^2/NDF : 34.0/37

- sign -0.012 $\pm$ 0.018 χ^2/NDF : 20.4/19

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF : 418014.5/15

Left Out: 68.966+/-0.041 χ^2/NDF : 9460.5/1

Right Out: 50.423+/-0.014 χ^2/NDF : 676747.2/18

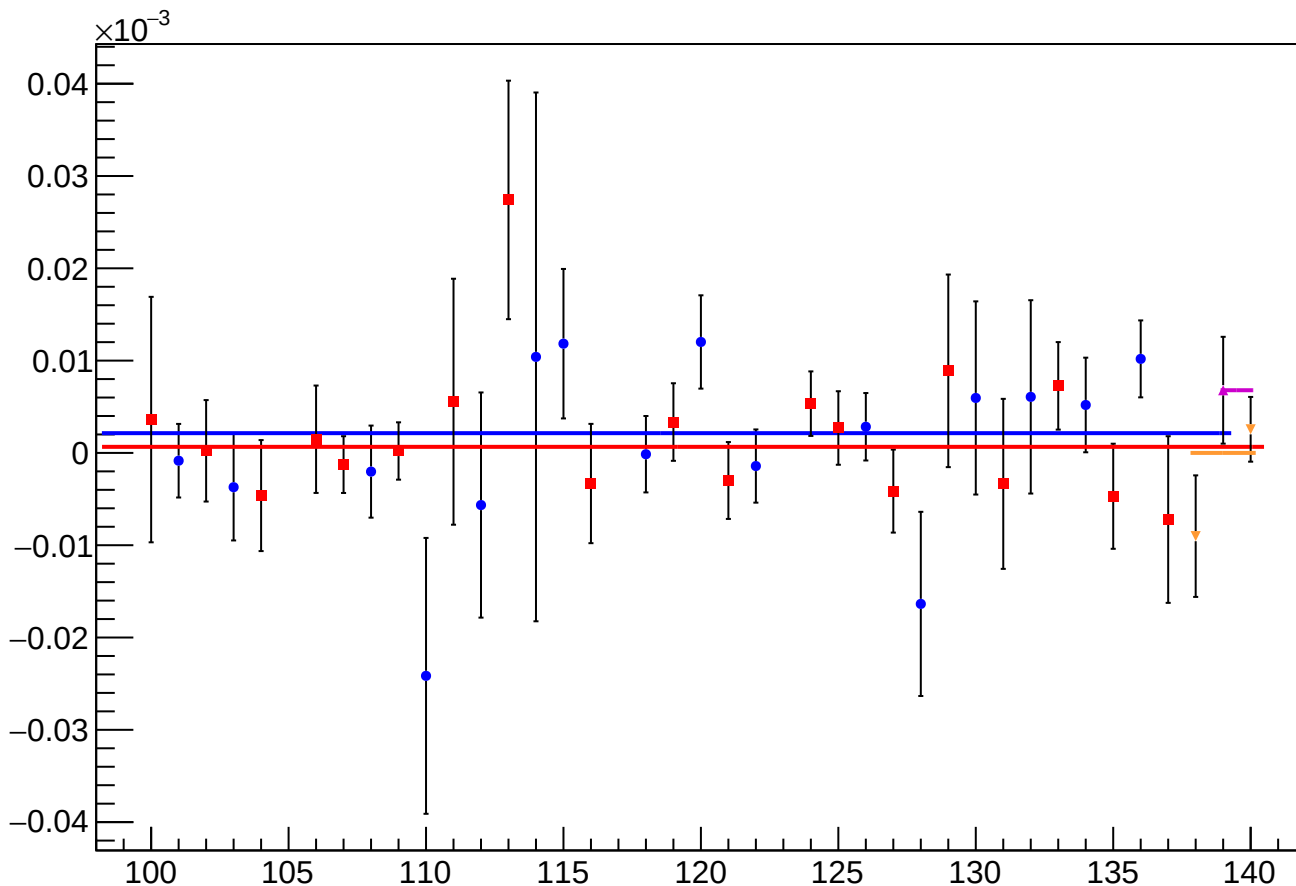
Left In: 38.556+/-0.031 χ^2/NDF : 0.0/0

+ sign 54.295+/-0.014 χ^2/NDF : 573873.7/17

All: 51.142+/-0.009 χ^2/NDF : 1474183.2/37

- sign 48.445+/-0.013 χ^2/NDF : 800493.8/19

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

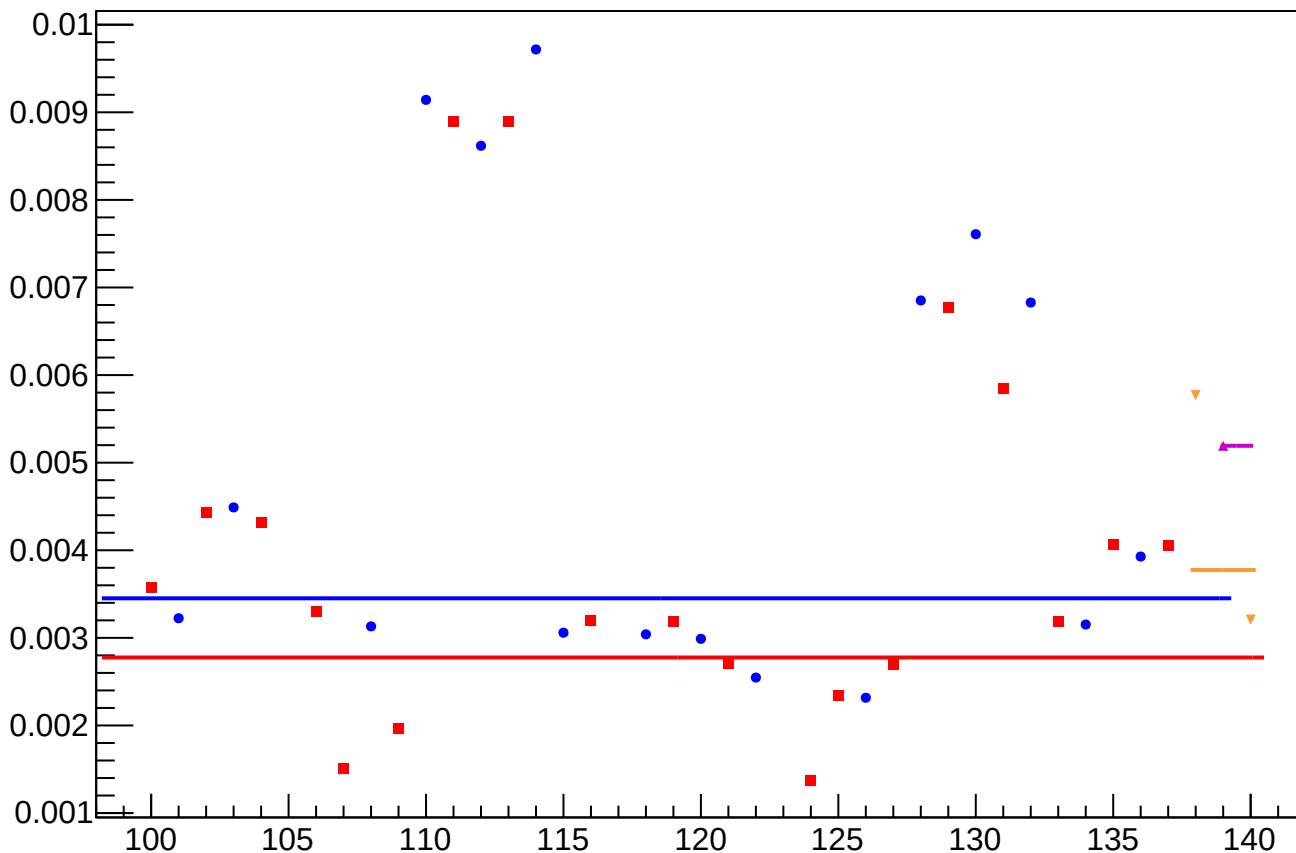
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/19

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: 0.004+/-0.000 χ^2/NDF : 236024.4/1

Right Out: 0.003+/-0.000 χ^2/NDF : 2734939.6/18

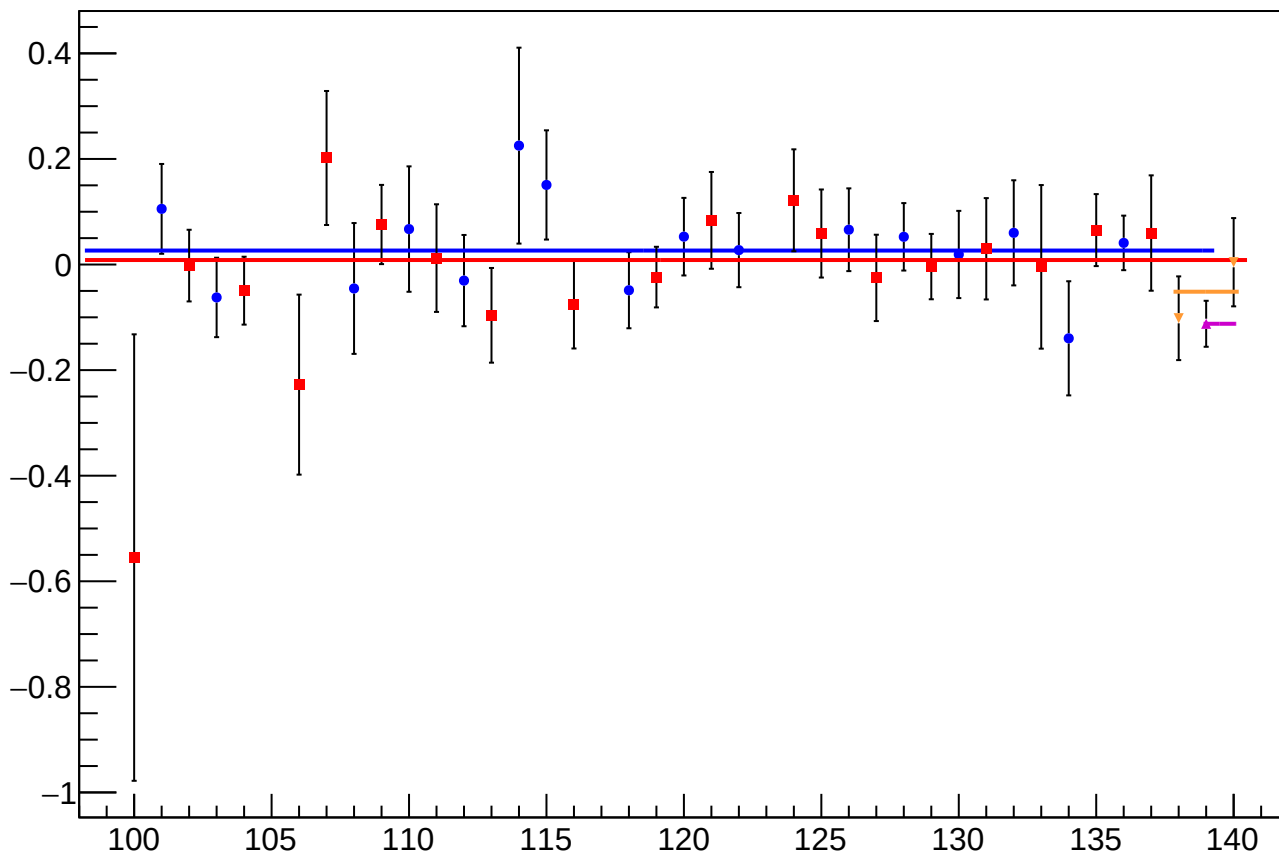
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.004+/-0.000 χ^2/NDF : 2205302.6/17

All: 0.003+/-0.000 χ^2/NDF : 5559993.7/37

- sign 0.003+/-0.000 χ^2/NDF : 3070658.3/19

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: -0.051 $\pm$ 0.058 χ^2 /NDF: 0.8/1

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

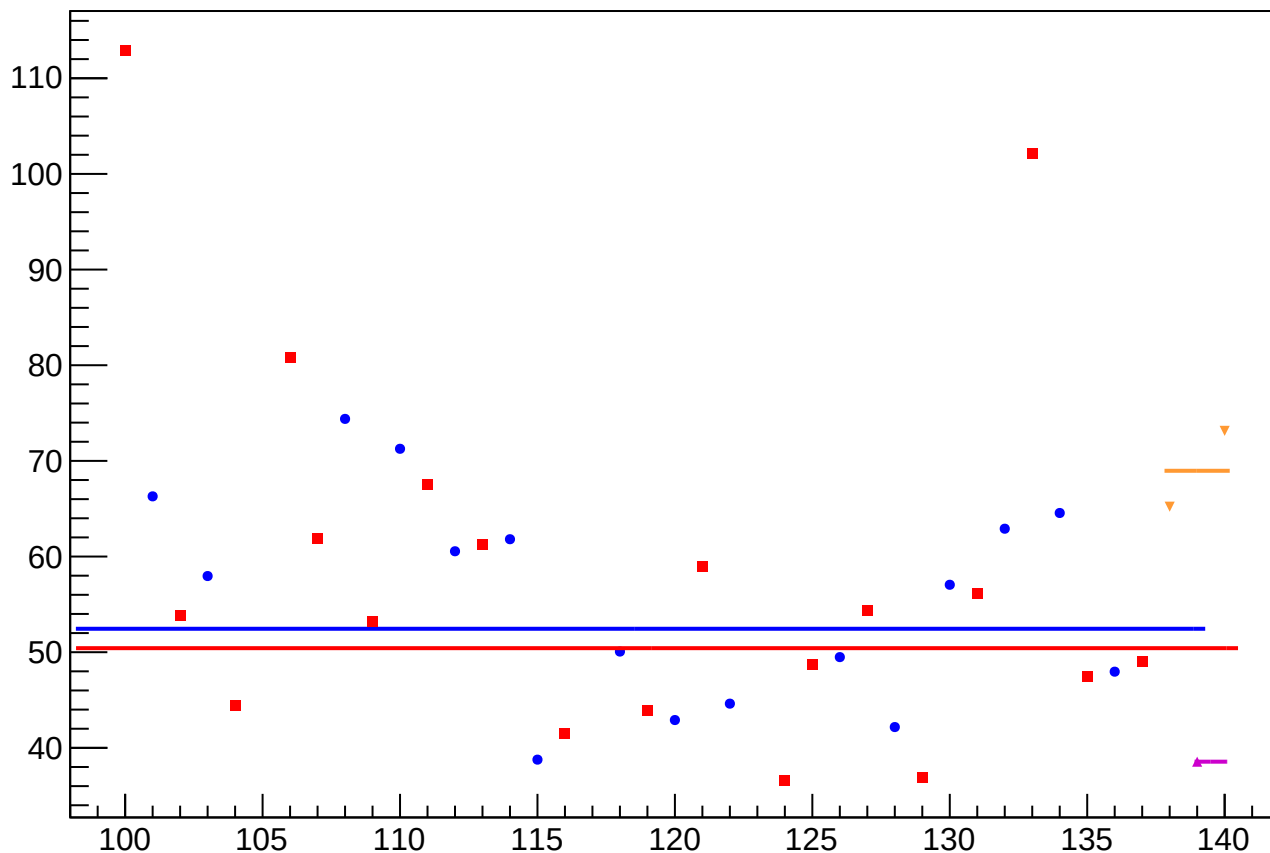
Left In: -0.112 $\pm$ 0.044 χ^2 /NDF: 0.0/0

+ sign 0.018 $\pm$ 0.019 χ^2 /NDF: 12.4/17

All: 0.002 $\pm$ 0.013 χ^2 /NDF: 34.0/37

- sign -0.012 $\pm$ 0.018 χ^2 /NDF: 20.4/19

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.450+/-0.014 χ^2/NDF : 417967.5/15

Left Out: 68.966+/-0.041 χ^2/NDF : 9466.1/1

Right Out: 50.422+/-0.014 χ^2/NDF : 676753.5/18

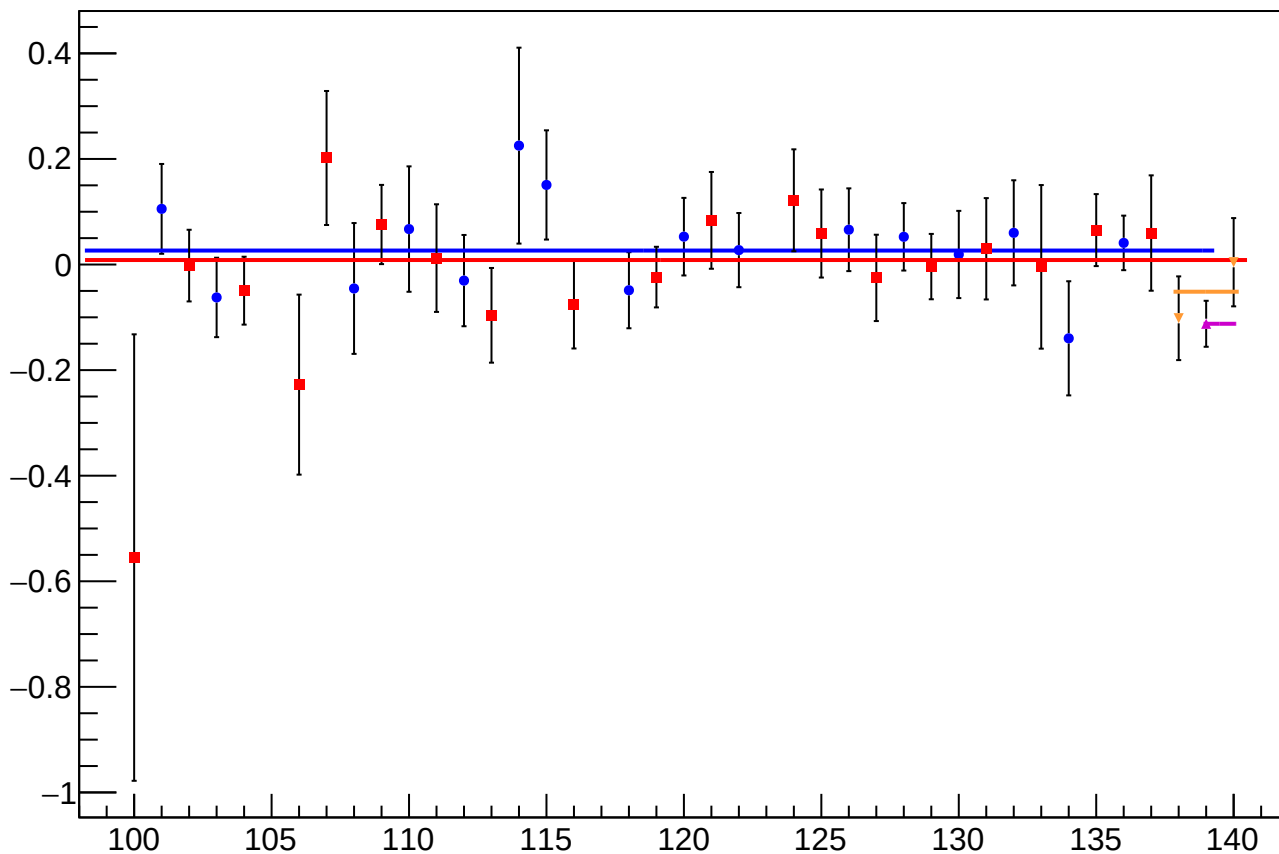
Left In: 38.555+/-0.031 χ^2/NDF : 0.0/0

+ sign 54.294+/-0.014 χ^2/NDF : 573841.8/17

All: 51.141+/-0.009 χ^2/NDF : 1474158.5/37

- sign 48.444+/-0.013 χ^2/NDF : 800499.7/19

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: -0.051 $\pm$ 0.058 χ^2 /NDF: 0.8/1

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

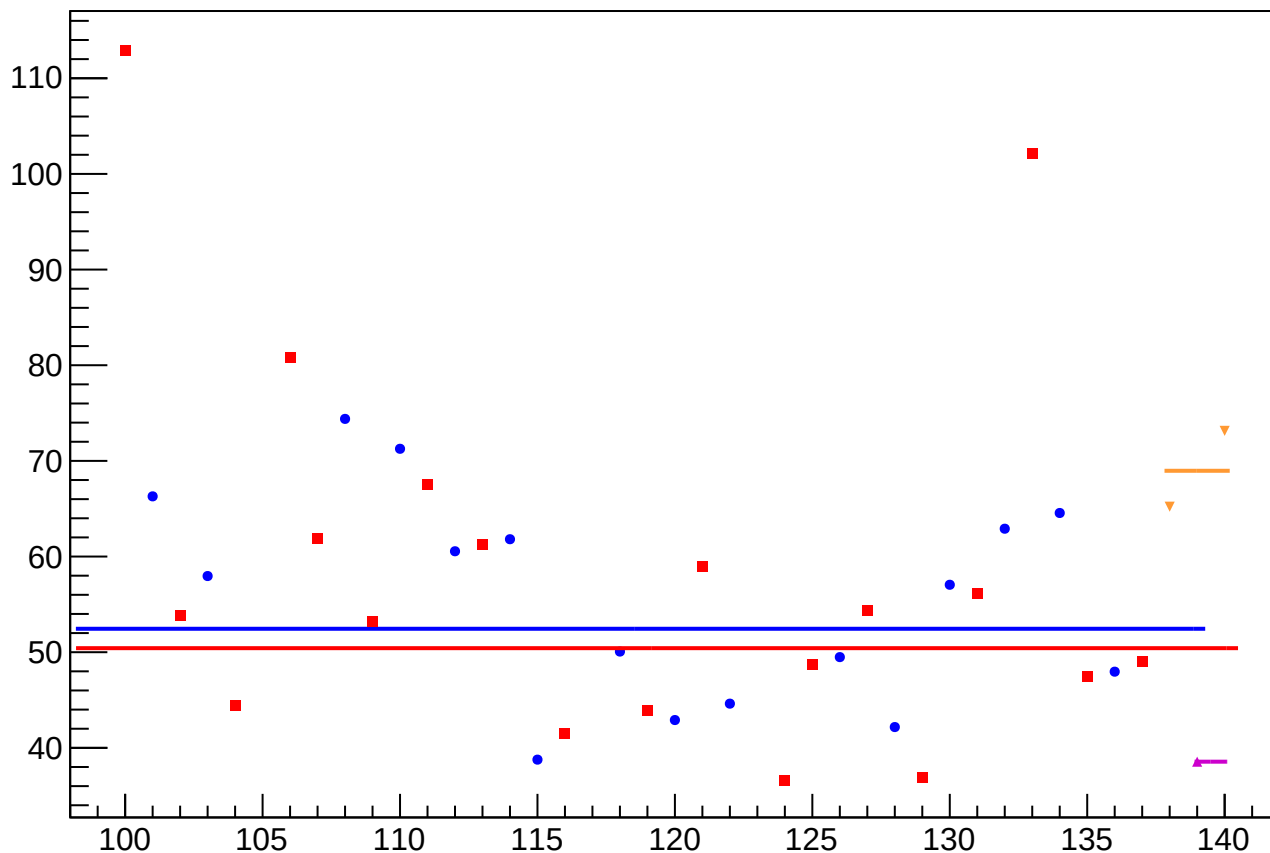
Left In: -0.112 $\pm$ 0.044 χ^2 /NDF: 0.0/0

+ sign 0.018 $\pm$ 0.019 χ^2 /NDF: 12.4/17

All: 0.002 $\pm$ 0.013 χ^2 /NDF: 34.0/37

- sign -0.012 $\pm$ 0.018 χ^2 /NDF: 20.4/19

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.450 $\pm$ 0.014 χ^2 /NDF: 417967.5/15

Left Out: 68.966 $\pm$ 0.041 χ^2 /NDF: 9466.1/1

Right Out: 50.422 $\pm$ 0.014 χ^2 /NDF: 676753.5/18

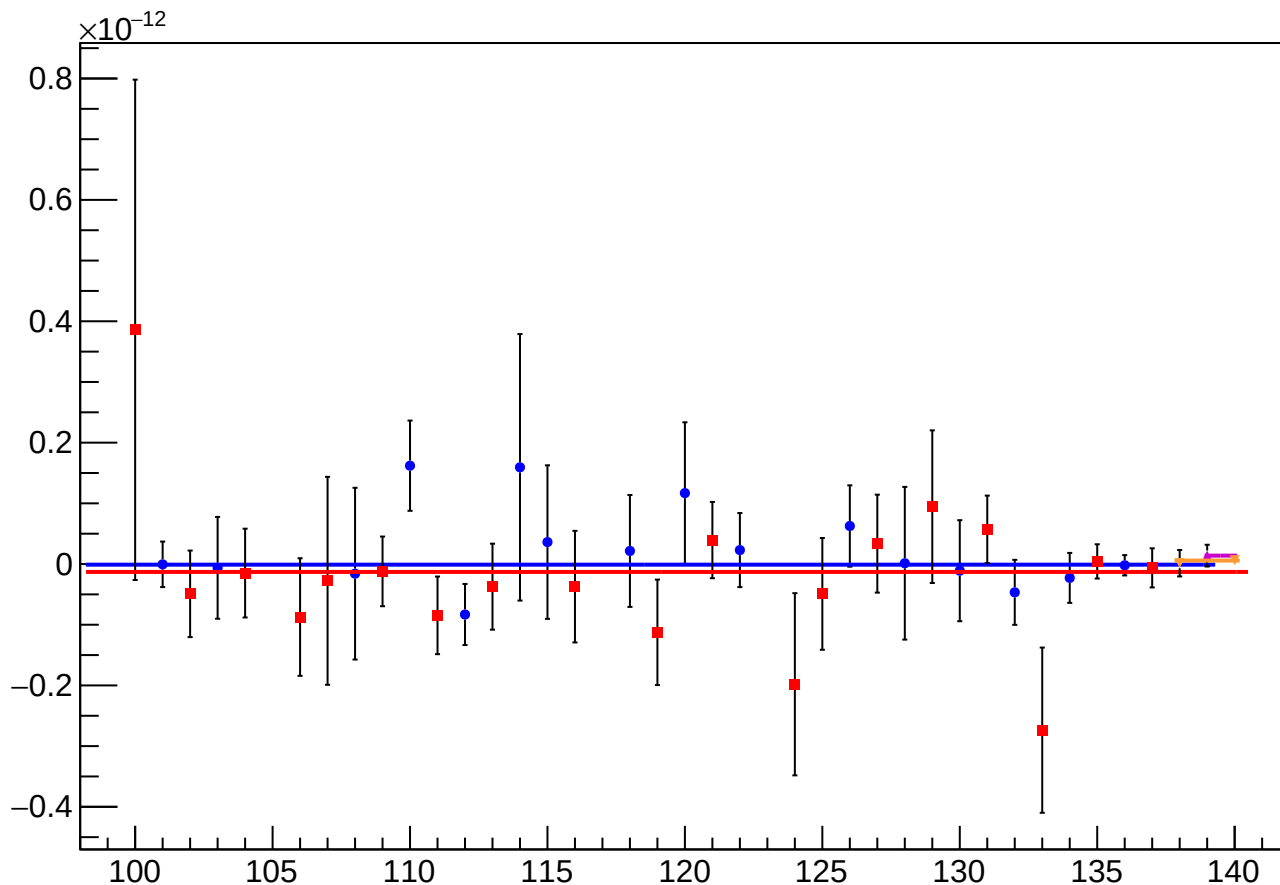
Left In: 38.555 $\pm$ 0.031 χ^2 /NDF: 0.0/0

+ sign 54.294 $\pm$ 0.014 χ^2 /NDF: 573841.8/17

All: 51.141 $\pm$ 0.009 χ^2 /NDF: 1474158.5/37

- sign 48.444 $\pm$ 0.013 χ^2 /NDF: 800499.7/19

asym_sam_2468_avg_eigen_cor_vs_cor_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 : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.7/18

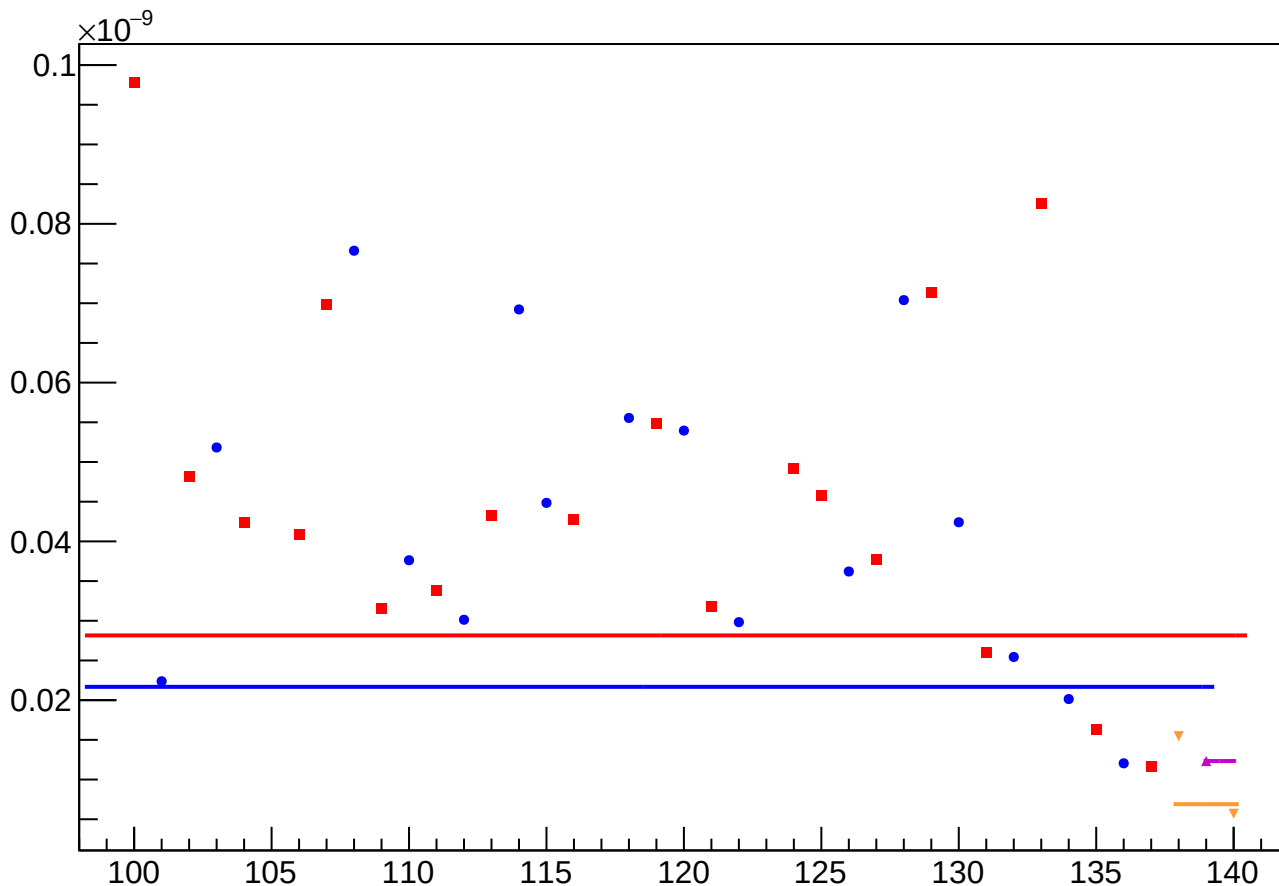
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 11.5/17

All: 0.000 ± 0.000 χ^2/NDF : 26.8/37

- sign -0.000 ± 0.000 χ^2/NDF : 15.0/19

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 352186.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2381736.6/18

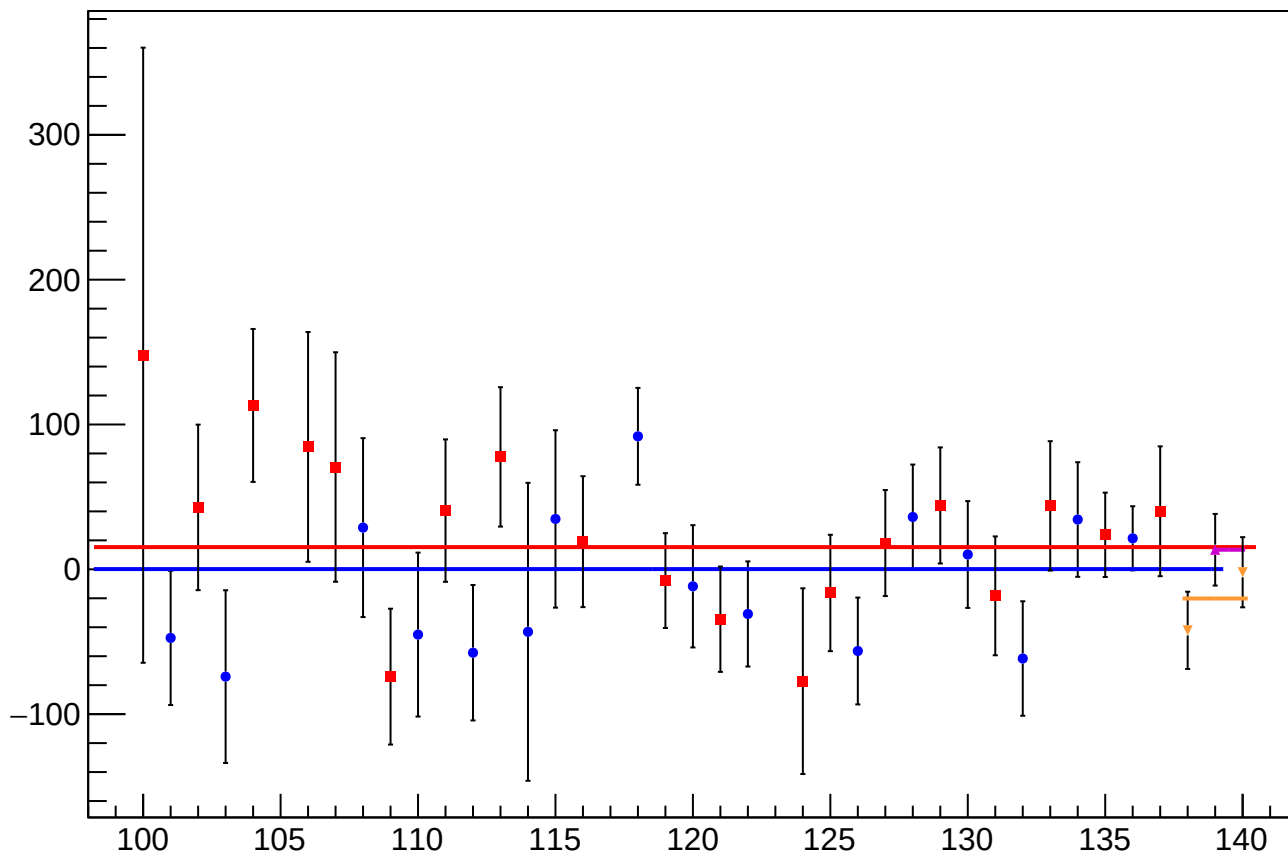
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 5035765.6/17

All: 0.000+/-0.000 χ^2/NDF : 9718518.5/37

- sign 0.000+/-0.000 χ^2/NDF : 3323401.6/19

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155 $\pm$ 10.048 χ^2 /NDF: 21.3/15

Left Out: -20.148 $\pm$ 17.932 χ^2 /NDF:1.2/1

Right Out: 15.333 $\pm$ 10.267 χ^2 /NDF: 17.9/18

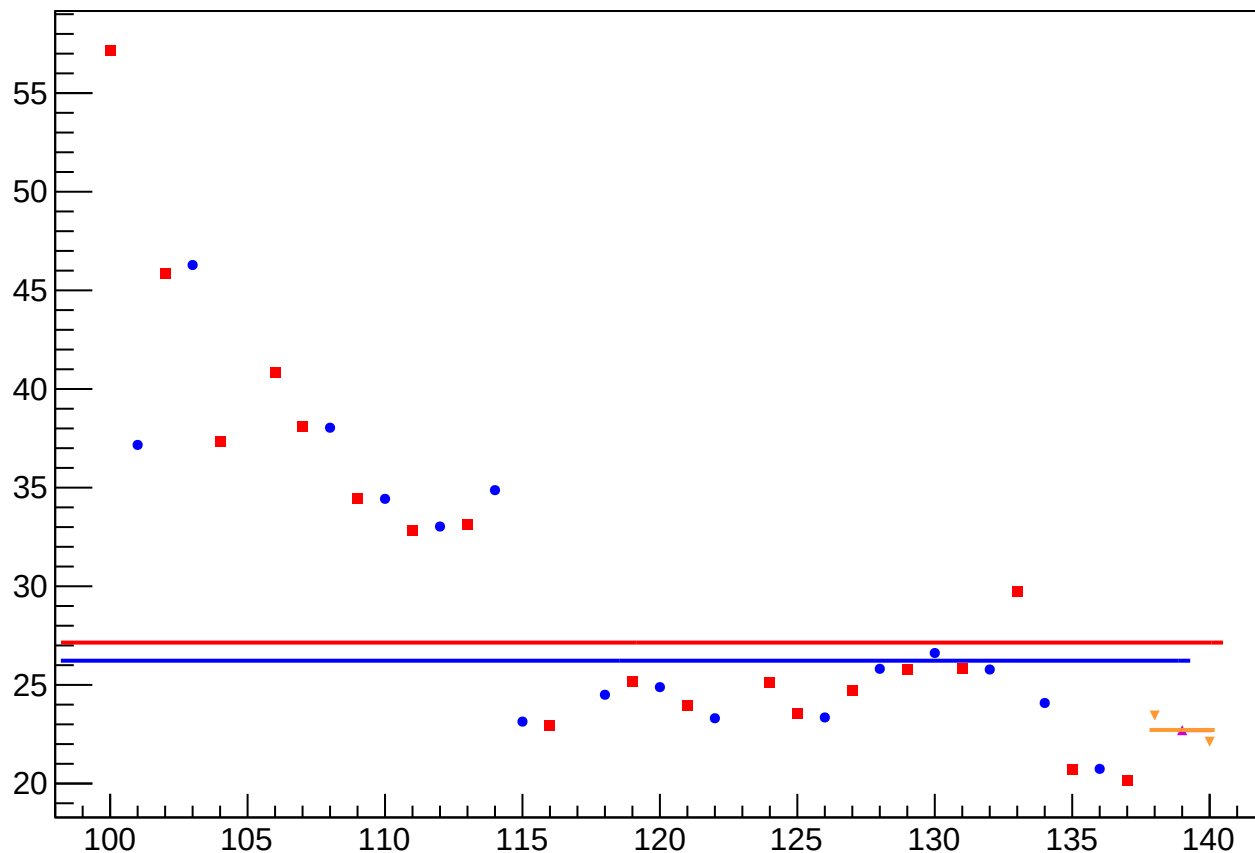
Left In: 13.517 $\pm$ 24.736 χ^2 /NDF:0.0/0

+ sign -4.696 $\pm$ 8.765 χ^2 /NDF: 23.5/17

All: 4.409 $\pm$ 6.437 χ^2 /NDF: 43.8/37

- sign 15.066 $\pm$ 9.483 χ^2 /NDF: 18.0/19

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 0.007 χ^2 /NDF: 676026.2/15

Left Out: 22.717 $\pm$ 0.013 χ^2 /NDF: 2723.7/1

Right Out: 27.145 $\pm$ 0.007 χ^2 /NDF: 755419.8/18

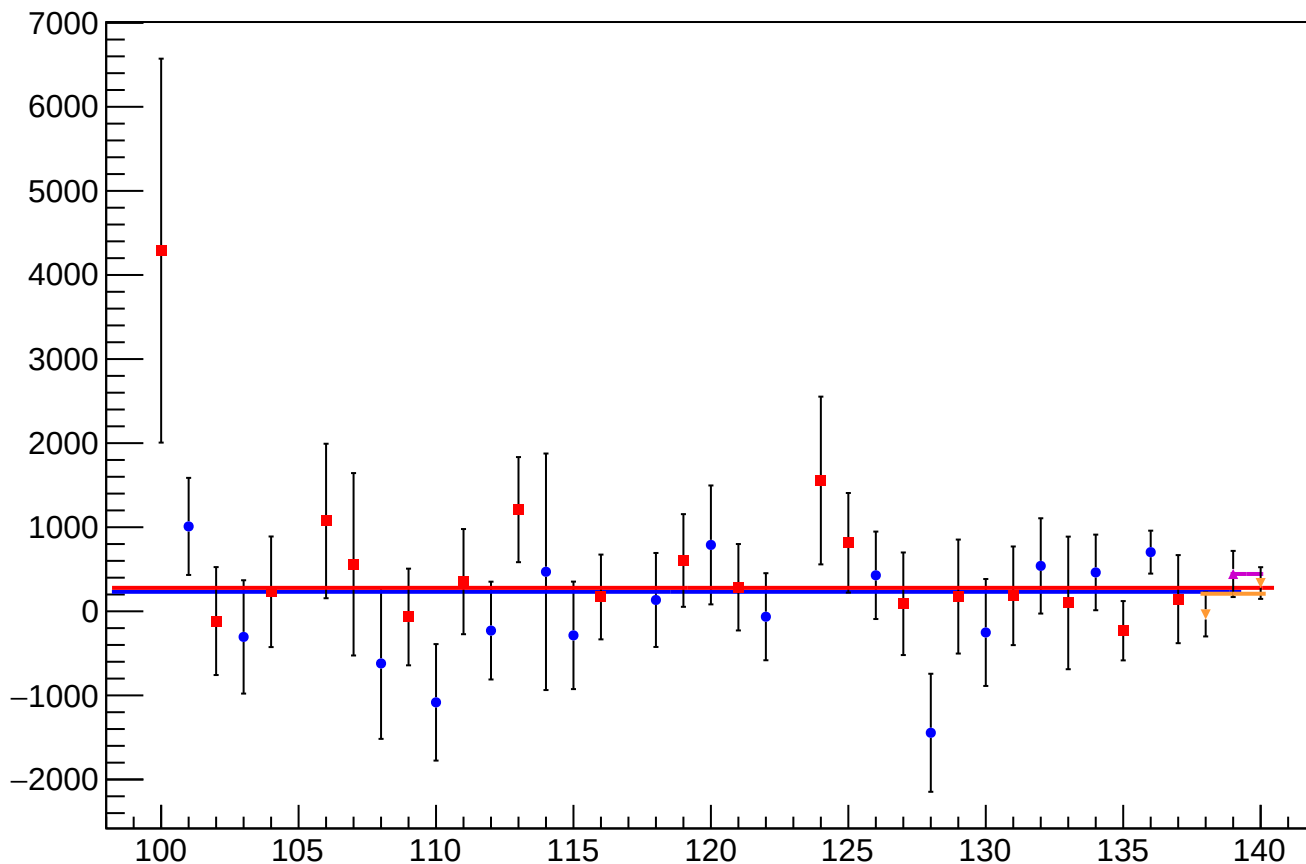
Left In: 22.706 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 25.388 $\pm$ 0.006 χ^2 /NDF: 737063.4/17

All: 25.897 $\pm$ 0.005 χ^2 /NDF: 1562065.0/37

- sign 26.493 $\pm$ 0.007 χ^2 /NDF: 810364.5/19

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 209.042 $\pm$ 152.995 χ^2 /NDF: 1.3/1

Right Out: 279.042 $\pm$ 139.965 χ^2 /NDF: 12.1/18

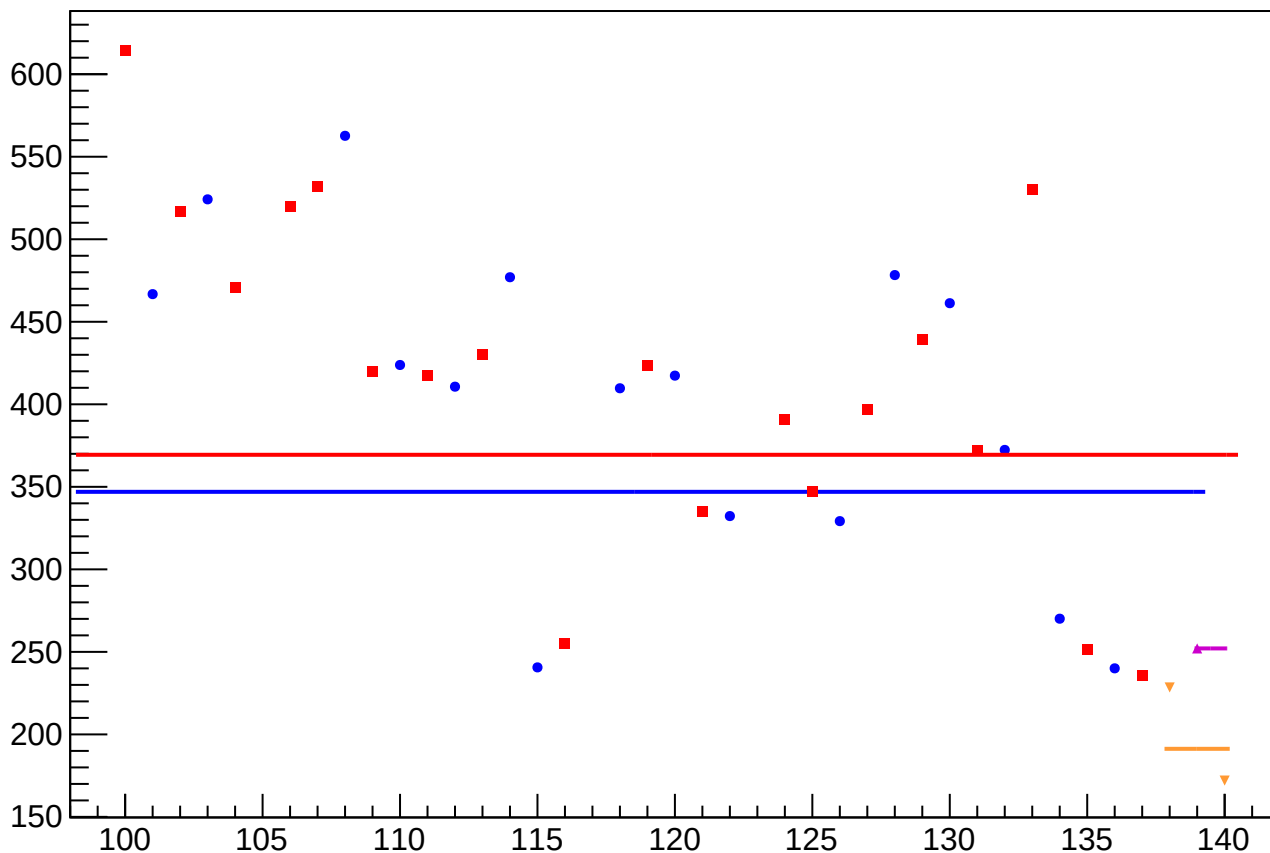
Left In: 444.051 $\pm$ 274.388 χ^2 /NDF: 0.0/0

+ sign 222.012 $\pm$ 101.172 χ^2 /NDF: 21.0/17

All: 258.182 $\pm$ 78.562 χ^2 /NDF: 33.7/37

- sign 313.112 $\pm$ 124.681 χ^2 /NDF: 12.4/19

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 346.969 ± 0.095 $\chi^2/\text{NDF}: 1058029.4/15$

Left Out: 191.268 ± 0.108 $\chi^2/\text{NDF}: 61138.6/1$

Right Out: 369.410 ± 0.099 $\chi^2/\text{NDF}: 918852.6/18$

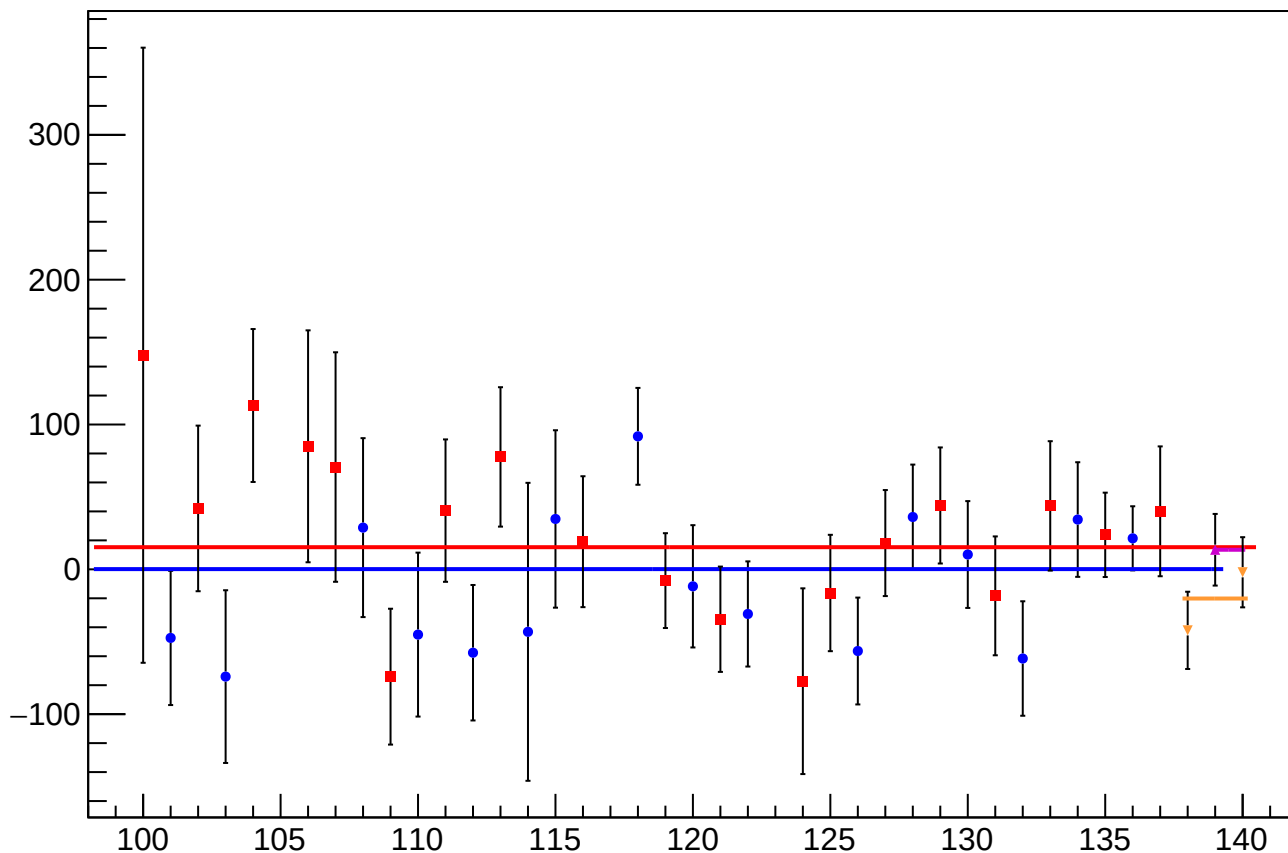
Left In: 252.091 ± 0.194 $\chi^2/\text{NDF}: 0.0/0$

+ sign 278.883 ± 0.072 $\chi^2/\text{NDF}: 2284754.7/17$

All: 305.207 ± 0.056 $\chi^2/\text{NDF}: 3834780.8/37$

- sign 345.187 ± 0.088 $\chi^2/\text{NDF}: 1208987.2/19$

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -20.152 ± 17.932 χ^2/NDF : 1.2/1

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

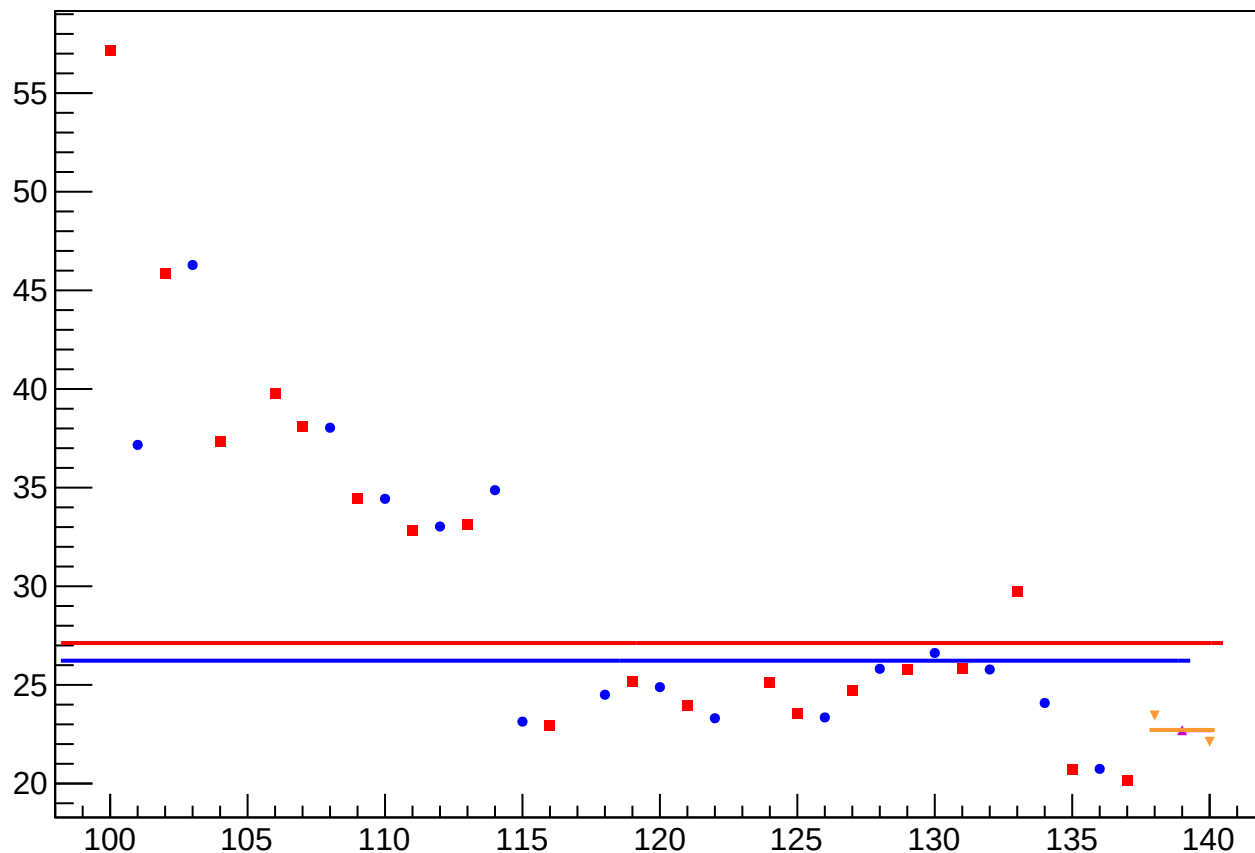
Left In: 13.522 ± 24.736 χ^2/NDF : 0.0/0

+ sign -4.695 ± 8.765 χ^2/NDF : 23.5/17

All: 4.393 ± 6.437 χ^2/NDF : 43.8/37

- sign 15.032 ± 9.484 χ^2/NDF : 17.9/19

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 0.007 χ^2 /NDF: 676029.5/15

Left Out: 22.717 $\pm$ 0.013 χ^2 /NDF: 2723.7/1

Right Out: 27.123 $\pm$ 0.007 χ^2 /NDF: 745675.5/18

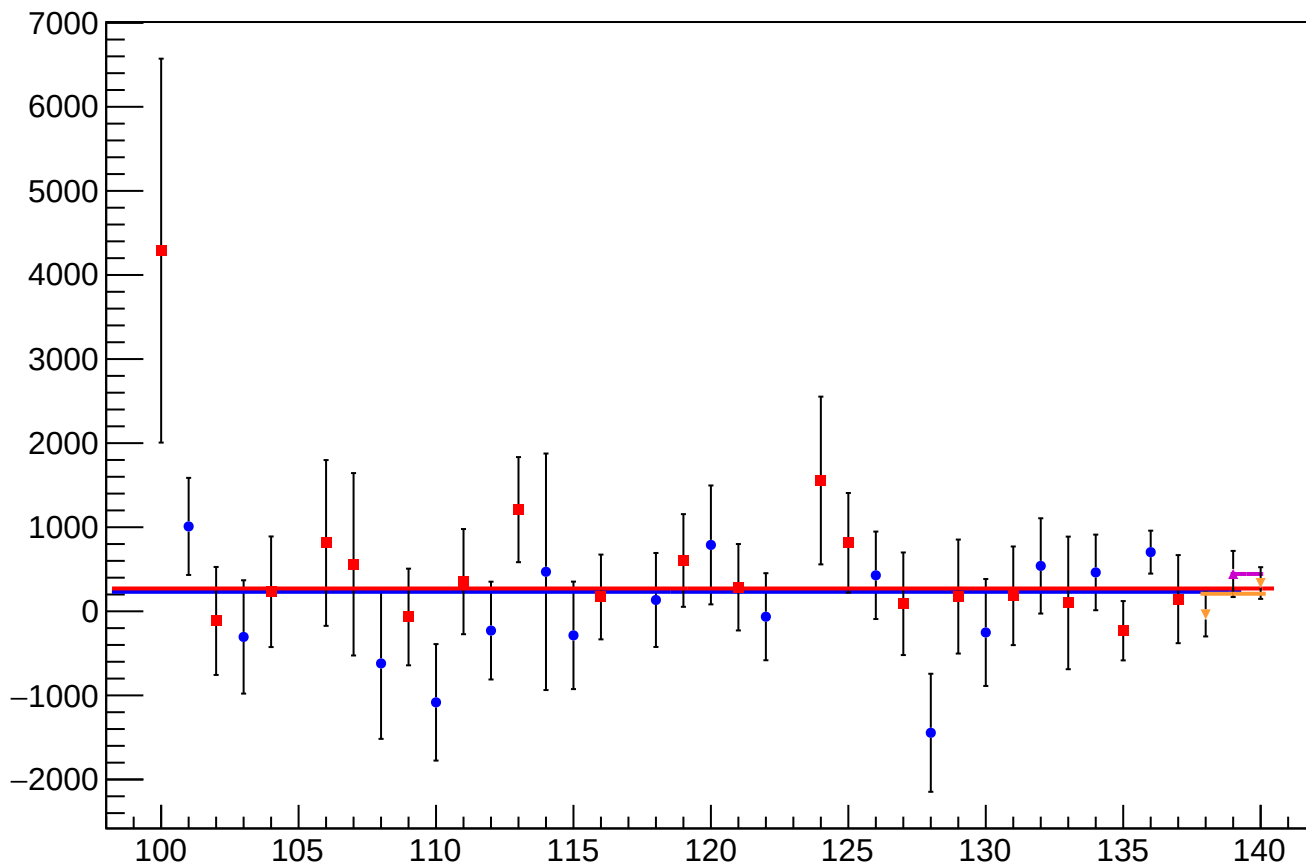
Left In: 22.706 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 25.388 $\pm$ 0.006 χ^2 /NDF: 737066.8/17

All: 25.888 $\pm$ 0.005 χ^2 /NDF: 1551282.2/37

- sign 26.474 $\pm$ 0.007 χ^2 /NDF: 800076.5/19

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 232.084 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 209.035 $\pm$ 152.995 χ^2 /NDF: 1.3/1

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

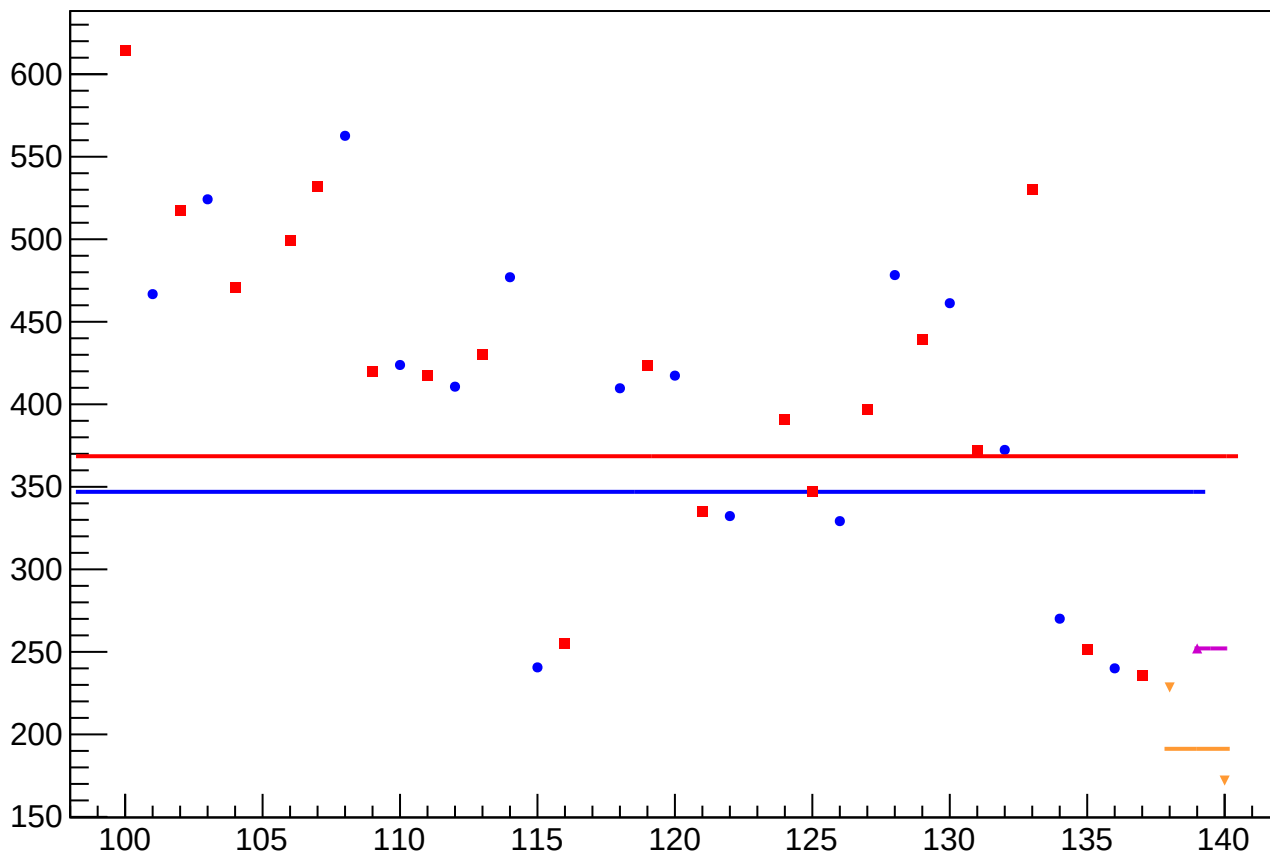
Left In: 444.055 $\pm$ 274.388 χ^2 /NDF: 0.0/0

+ sign 222.005 $\pm$ 101.172 χ^2 /NDF: 21.0/17

All: 255.759 $\pm$ 78.600 χ^2 /NDF: 33.2/37

- sign 307.147 $\pm$ 124.834 χ^2 /NDF: 11.9/19

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 346.969 $\pm$ 0.095 χ^2 /NDF: 1058057.4/15

Left Out: 191.268 $\pm$ 0.108 χ^2 /NDF: 61138.7/1

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

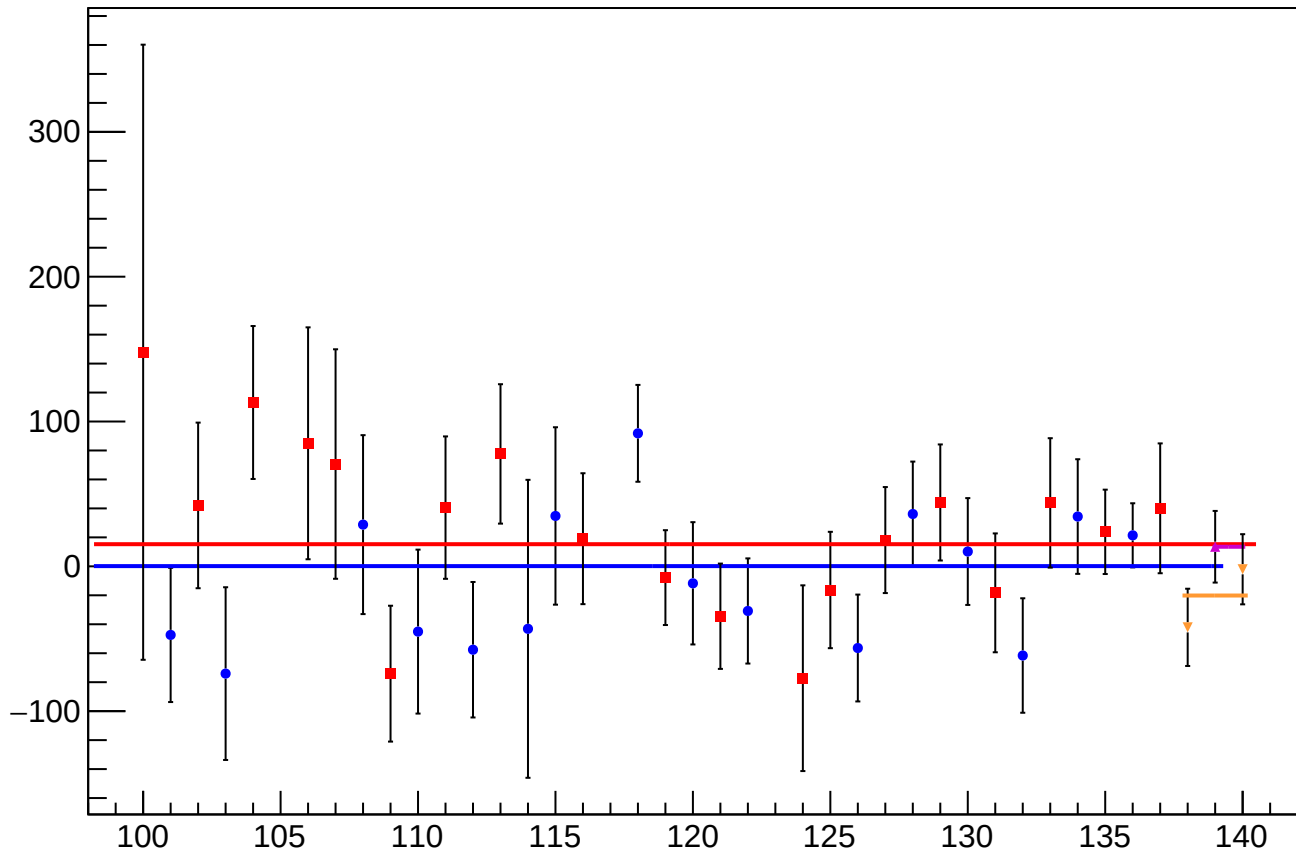
Left In: 252.091 $\pm$ 0.194 χ^2 /NDF: 0.0/0

+ sign 278.883 $\pm$ 0.072 χ^2 /NDF: 2284787.4/17

All: 304.872 $\pm$ 0.056 χ^2 /NDF: 3803586.4/37

- sign 344.439 $\pm$ 0.088 χ^2 /NDF: 1185898.7/19

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -20.152 ± 17.932 χ^2/NDF : 1.2/1

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

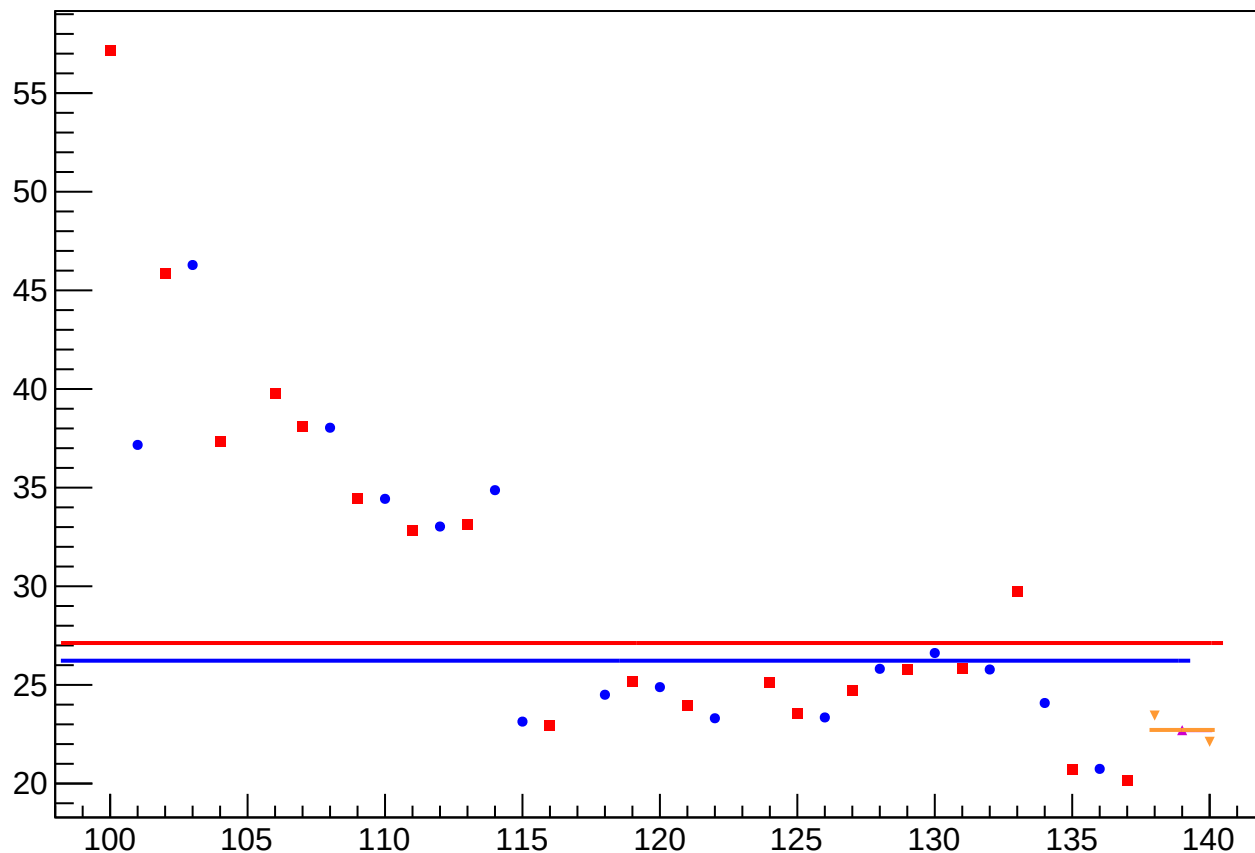
Left In: 13.522 ± 24.736 χ^2/NDF : 0.0/0

+ sign -4.695 ± 8.765 χ^2/NDF : 23.5/17

All: 4.393 ± 6.437 χ^2/NDF : 43.8/37

- sign 15.032 ± 9.484 χ^2/NDF : 17.9/19

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 0.007 χ^2 /NDF: 676029.5/15

Left Out: 22.717 $\pm$ 0.013 χ^2 /NDF: 2723.7/1

Right Out: 27.123 $\pm$ 0.007 χ^2 /NDF: 745675.5/18

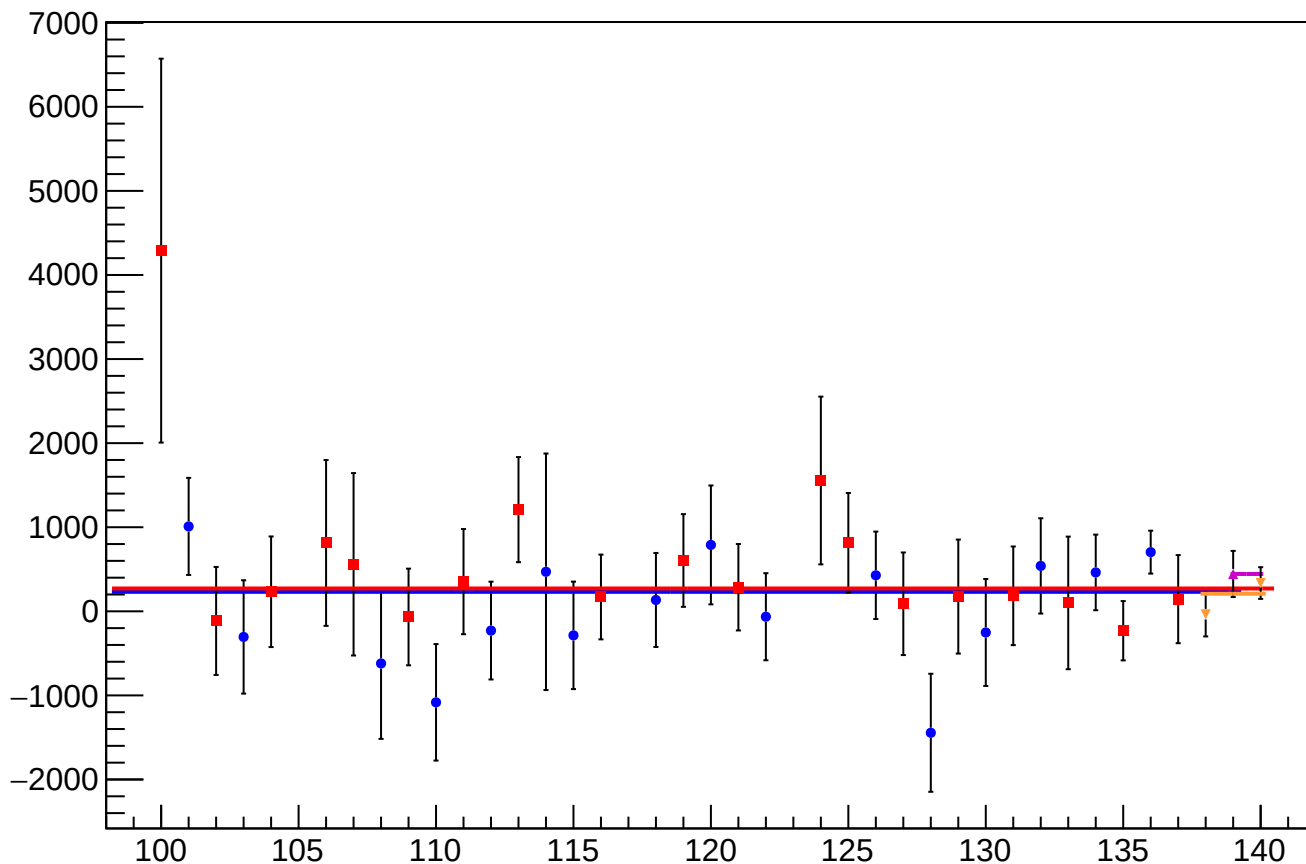
Left In: 22.706 $\pm$ 0.017 χ^2 /NDF: 0.0/0

+ sign 25.388 $\pm$ 0.006 χ^2 /NDF: 737066.8/17

All: 25.888 $\pm$ 0.005 χ^2 /NDF: 1551282.2/37

- sign 26.474 $\pm$ 0.007 χ^2 /NDF: 800076.5/19

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 232.084 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 209.035 $\pm$ 152.995 χ^2 /NDF: 1.3/1

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

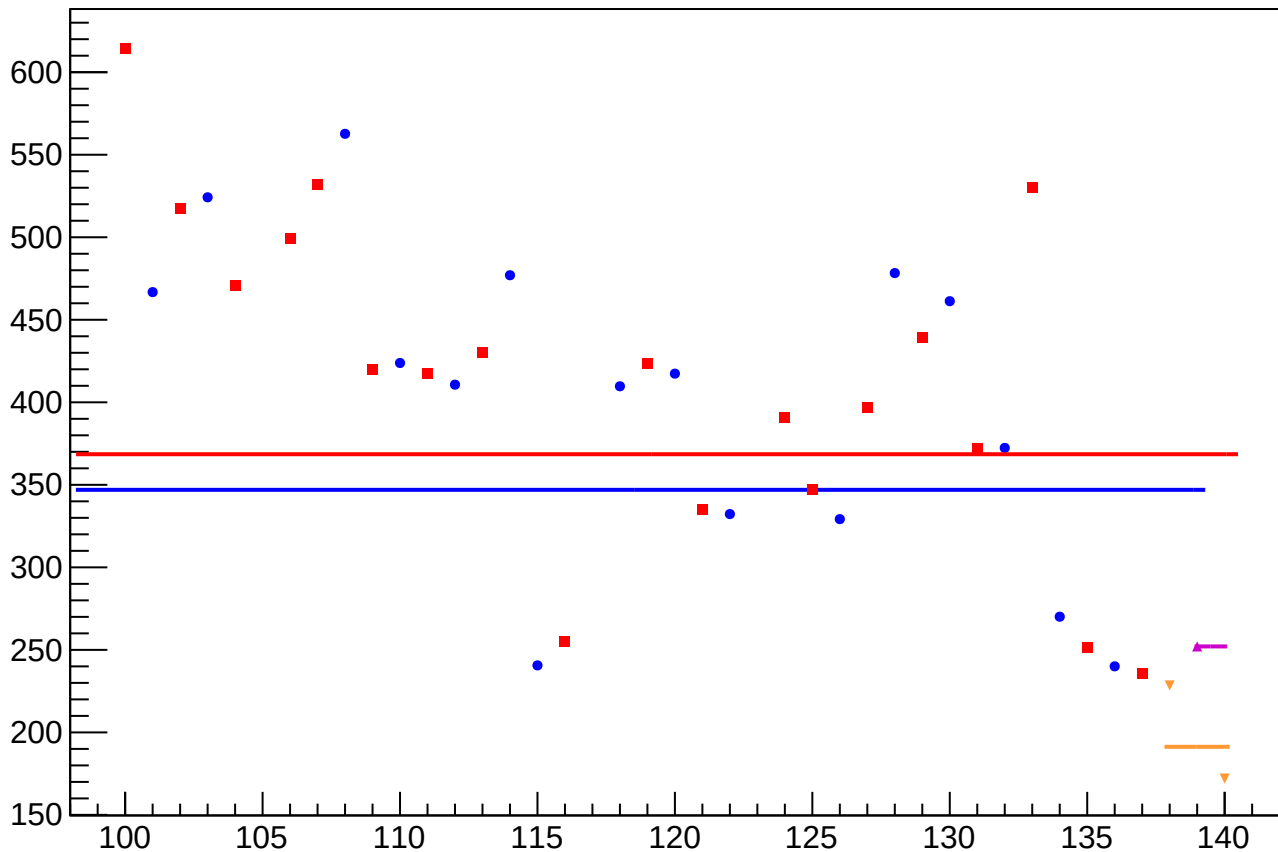
Left In: 444.055 $\pm$ 274.388 χ^2 /NDF: 0.0/0

+ sign 222.005 $\pm$ 101.172 χ^2 /NDF: 21.0/17

All: 255.759 $\pm$ 78.600 χ^2 /NDF: 33.2/37

- sign 307.147 $\pm$ 124.834 χ^2 /NDF: 11.9/19

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug



Right In: 346.969 $\pm$ 0.095 χ^2 /NDF: 1058057.4/15

Left Out: 191.268 $\pm$ 0.108 χ^2 /NDF: 61138.7/1

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

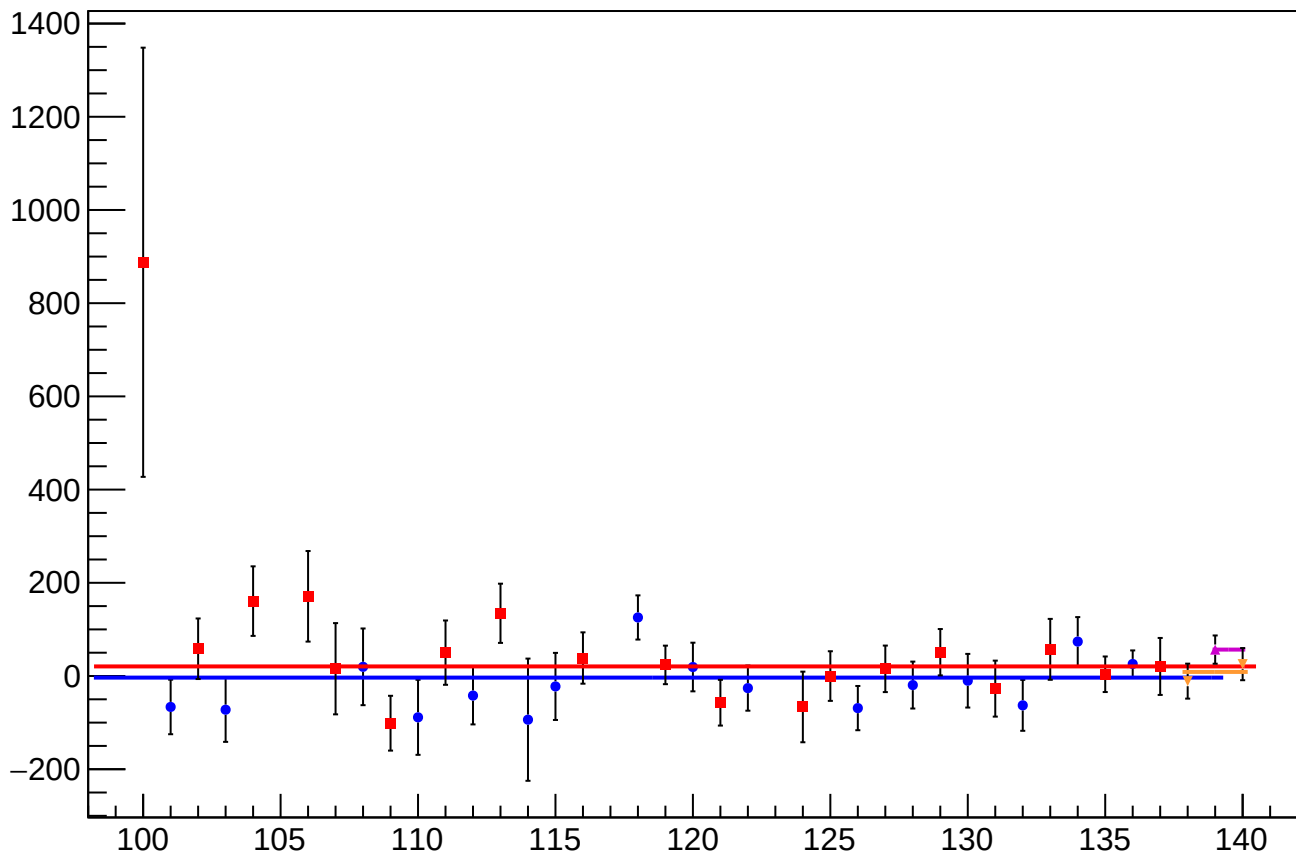
Left In: 252.091 $\pm$ 0.194 χ^2 /NDF: 0.0/0

+ sign 278.883 $\pm$ 0.072 χ^2 /NDF: 2284787.4/17

All: 304.872 $\pm$ 0.056 χ^2 /NDF: 3803586.4/37

- sign 344.439 $\pm$ 0.088 χ^2 /NDF: 1185898.7/19

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423 ± 13.393 χ^2/NDF : 18.5/15

Left Out: 8.771 ± 25.389 χ^2/NDF : 0.5/1

Right Out: 20.569 ± 13.475 χ^2/NDF : 23.1/18

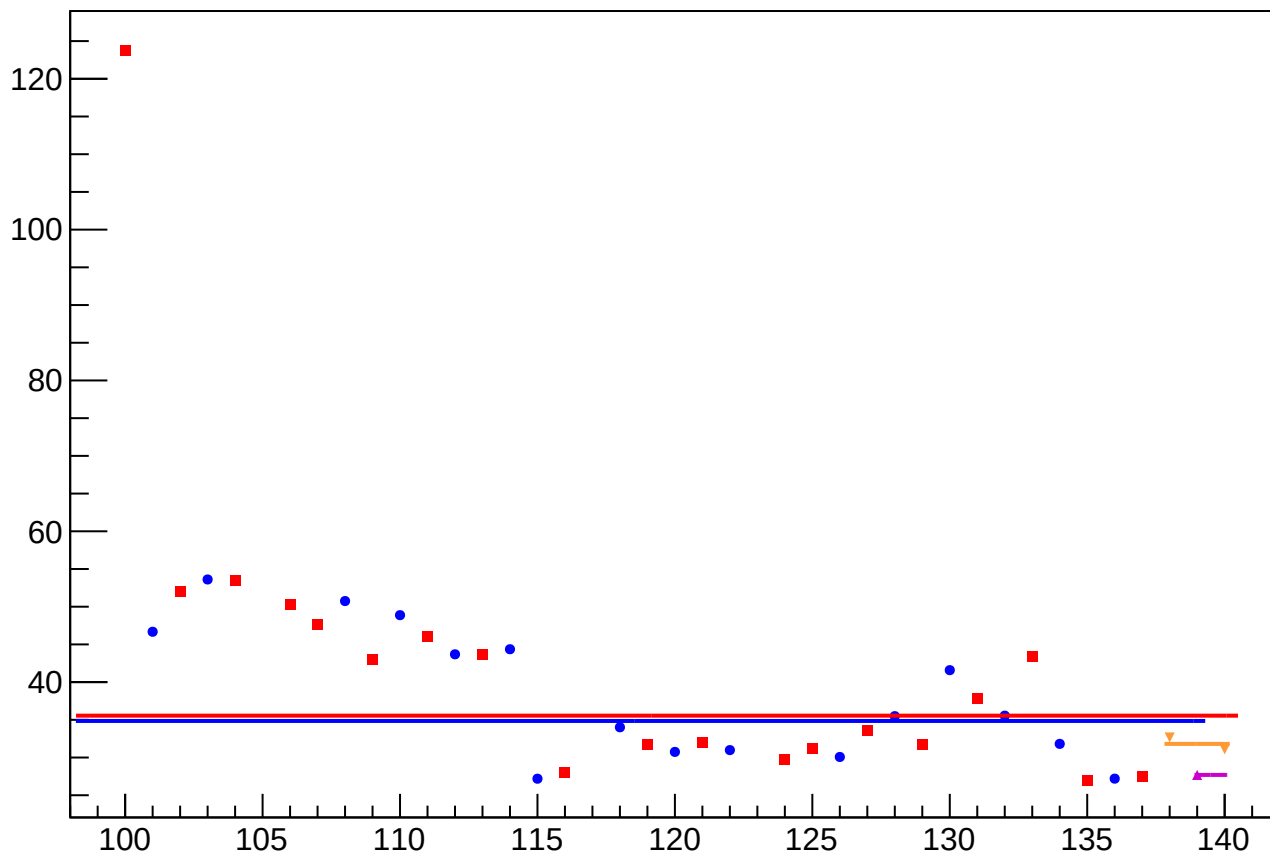
Left In: 56.694 ± 30.302 χ^2/NDF : 0.0/0

+ sign -0.769 ± 11.846 χ^2/NDF : 19.2/17

All: 12.355 ± 8.536 χ^2/NDF : 46.0/37

- sign 26.533 ± 12.312 χ^2/NDF : 24.3/19

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850 $\pm$ 0.009 χ^2 /NDF: 658141.6/15

Left Out: 31.809 $\pm$ 0.018 χ^2 /NDF: 1898.1/1

Right Out: 35.553 $\pm$ 0.010 χ^2 /NDF: 779880.3/18

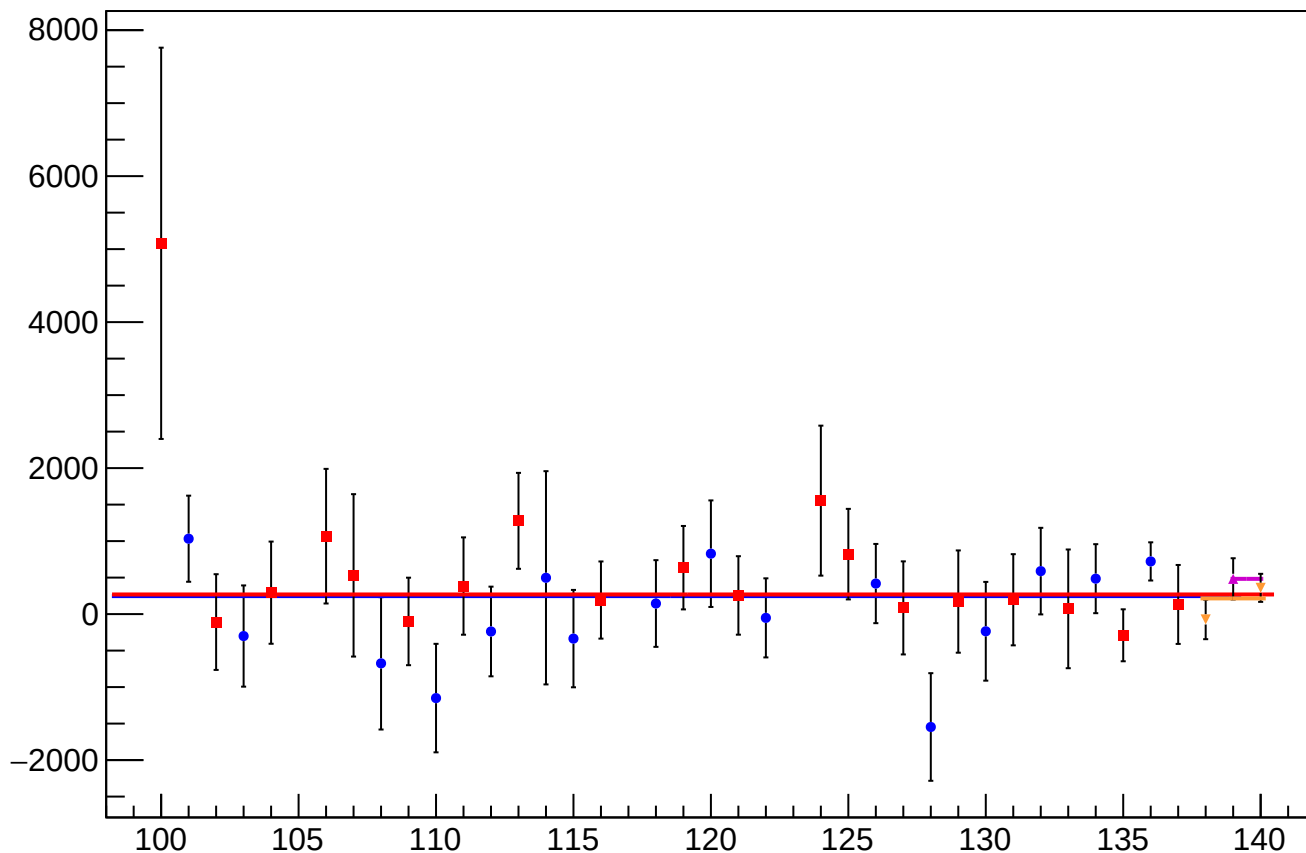
Left In: 27.694 $\pm$ 0.021 χ^2 /NDF: 0.0/0

+ sign 34.188 $\pm$ 0.008 χ^2 /NDF: 682498.7/17

All: 34.221 $\pm$ 0.006 χ^2 /NDF: 1574717.2/37

- sign 34.255 $\pm$ 0.009 χ^2 /NDF: 892187.7/19

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF : 19.8/15

Left Out: 214.979+/-156.637 χ^2/NDF : 1.7/1

Right Out: 268.913+/-145.295 χ^2/NDF : 12.6/18

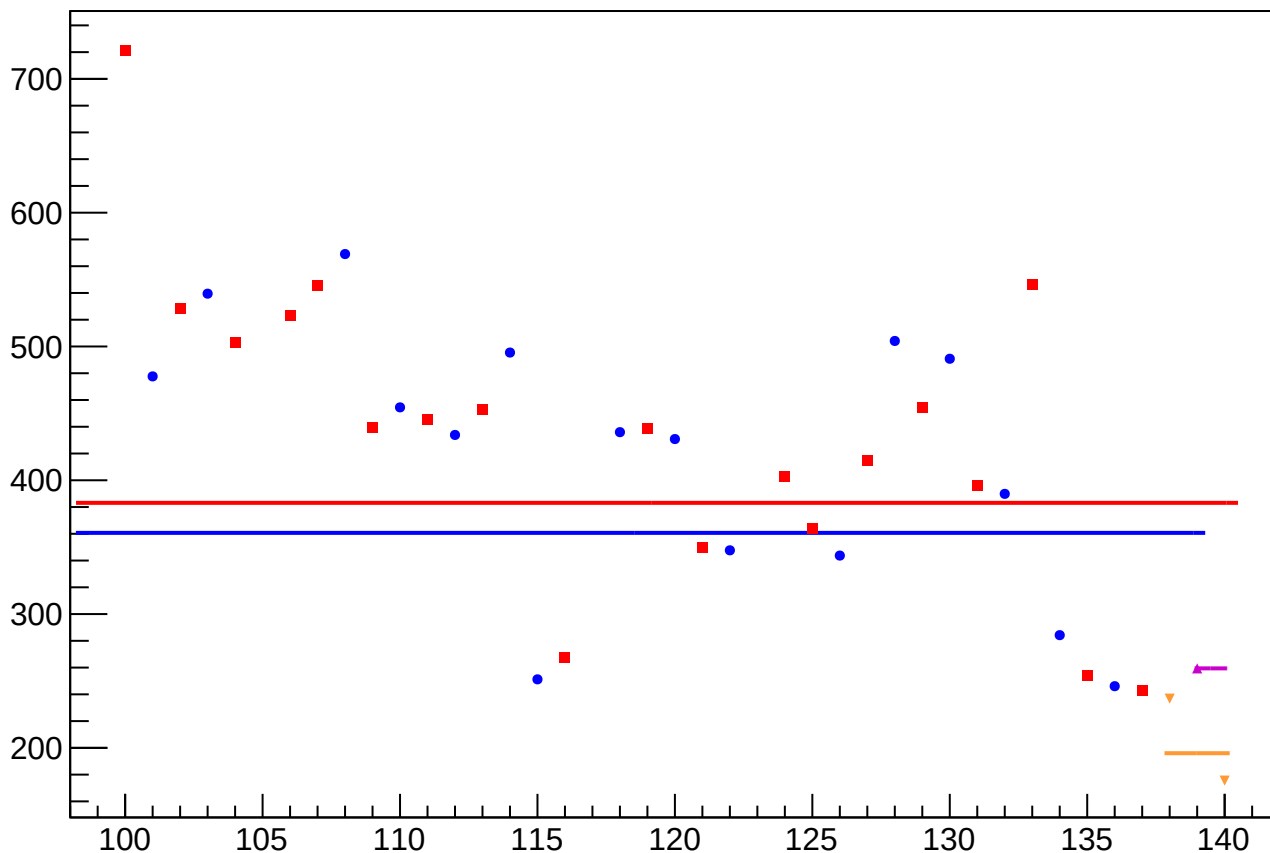
Left In: 482.896+/-282.308 χ^2/NDF : 0.0/0

+ sign 232.475+/-104.497 χ^2/NDF : 21.5/17

All: 264.609+/-81.246 χ^2/NDF : 34.8/37

- sign 313.724+/-129.189 χ^2/NDF : 13.1/19

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692 $\pm$ 0.099 χ^2 /NDF: 1092760.6/15

Left Out: 196.003 $\pm$ 0.111 χ^2 /NDF: 68093.6/1

Right Out: 383.132 $\pm$ 0.103 χ^2 /NDF: 963125.0/18

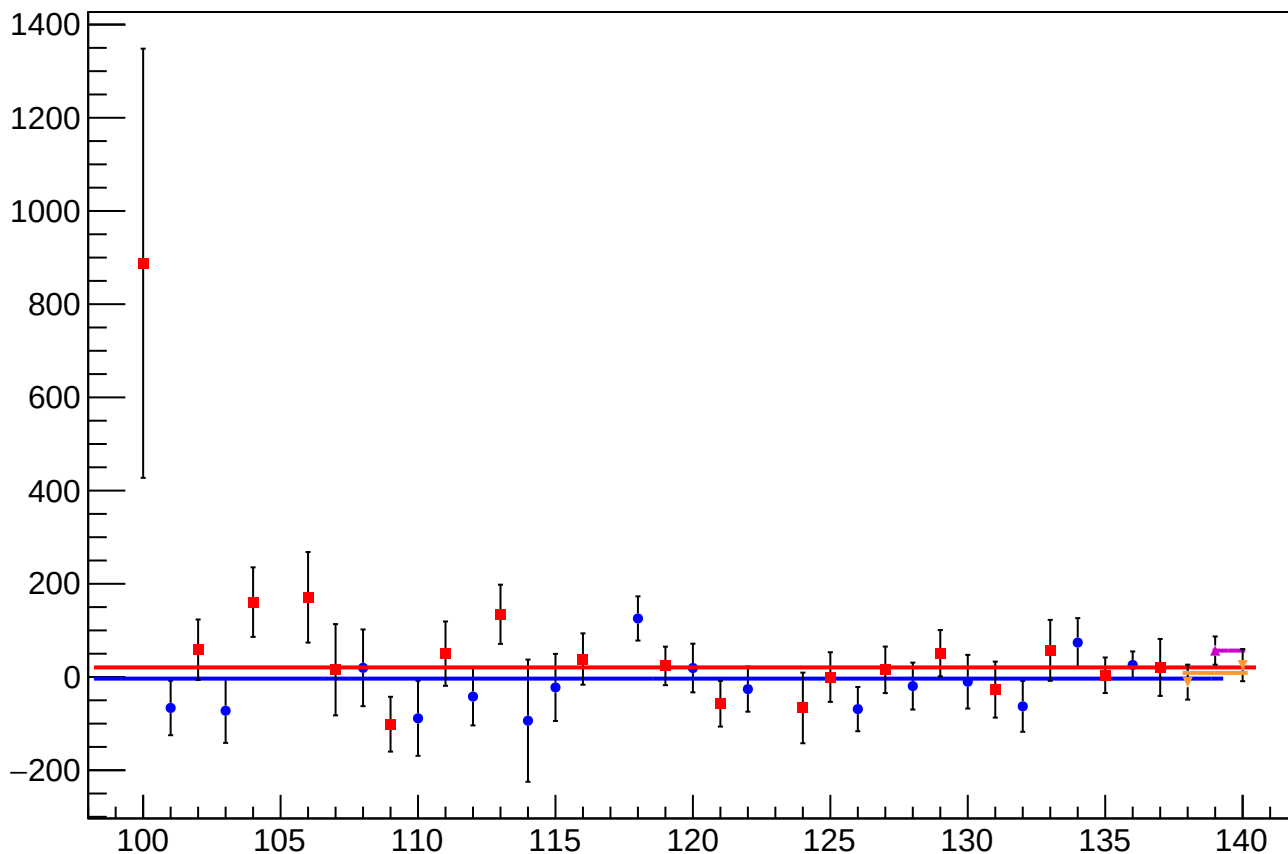
Left In: 259.405 $\pm$ 0.200 χ^2 /NDF: 0.0/0

+ sign 287.396 $\pm$ 0.074 χ^2 /NDF: 2387779.4/17

All: 315.012 $\pm$ 0.057 χ^2 /NDF: 4007802.3/37

- sign 357.221 $\pm$ 0.091 χ^2 /NDF: 1266838.0/19

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425 ± 13.392 χ^2/NDF : 18.5/15

Left Out: 8.771 ± 25.389 χ^2/NDF : 0.5/1

Right Out: 20.569 ± 13.475 χ^2/NDF : 23.1/18

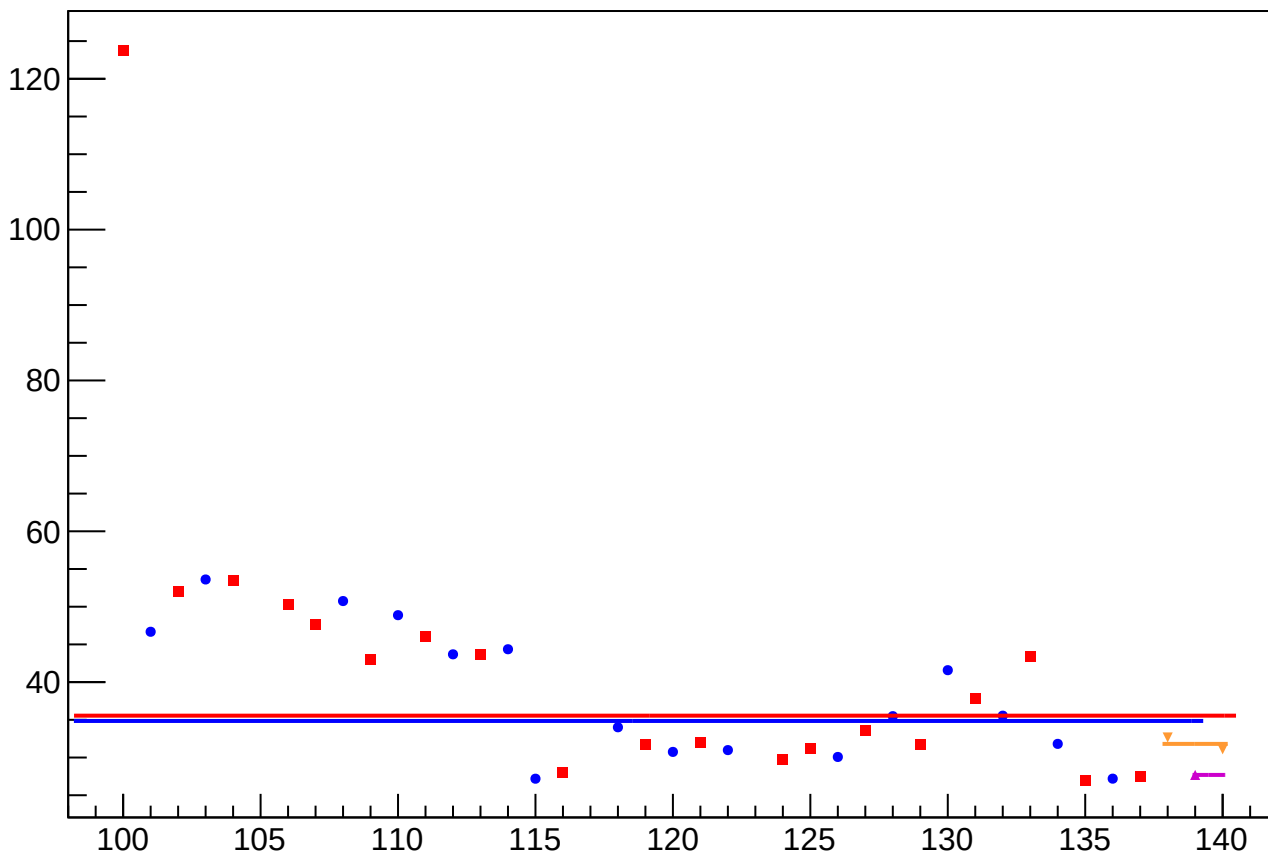
Left In: 56.689 ± 30.302 χ^2/NDF : 0.0/0

+ sign -0.770 ± 11.845 χ^2/NDF : 19.2/17

All: 12.354 ± 8.536 χ^2/NDF : 46.0/37

- sign 26.532 ± 12.312 χ^2/NDF : 24.3/19

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF : 658089.6/15

Left Out: 31.808+/-0.018 χ^2/NDF : 1896.6/1

Right Out: 35.552+/-0.010 χ^2/NDF : 779849.4/18

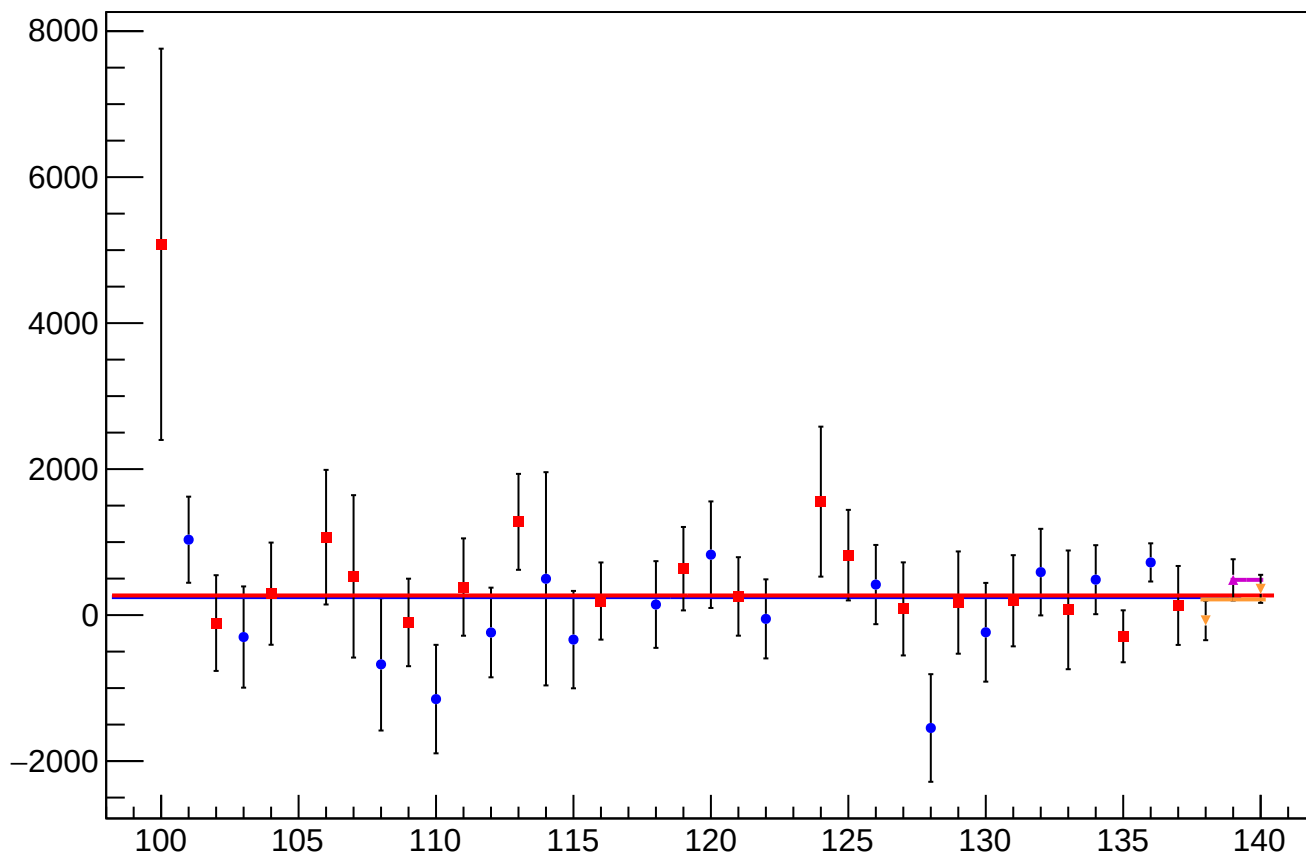
Left In: 27.694+/-0.021 χ^2/NDF : 0.0/0

+ sign 34.188+/-0.008 χ^2/NDF : 682442.3/17

All: 34.220+/-0.006 χ^2/NDF : 1574639.5/37

- sign 34.255+/-0.009 χ^2/NDF : 892166.3/19

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505 $\pm$ 140.274 χ^2 /NDF: 19.8/15

Left Out: 214.978 $\pm$ 156.636 χ^2 /NDF: 1.7/1

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

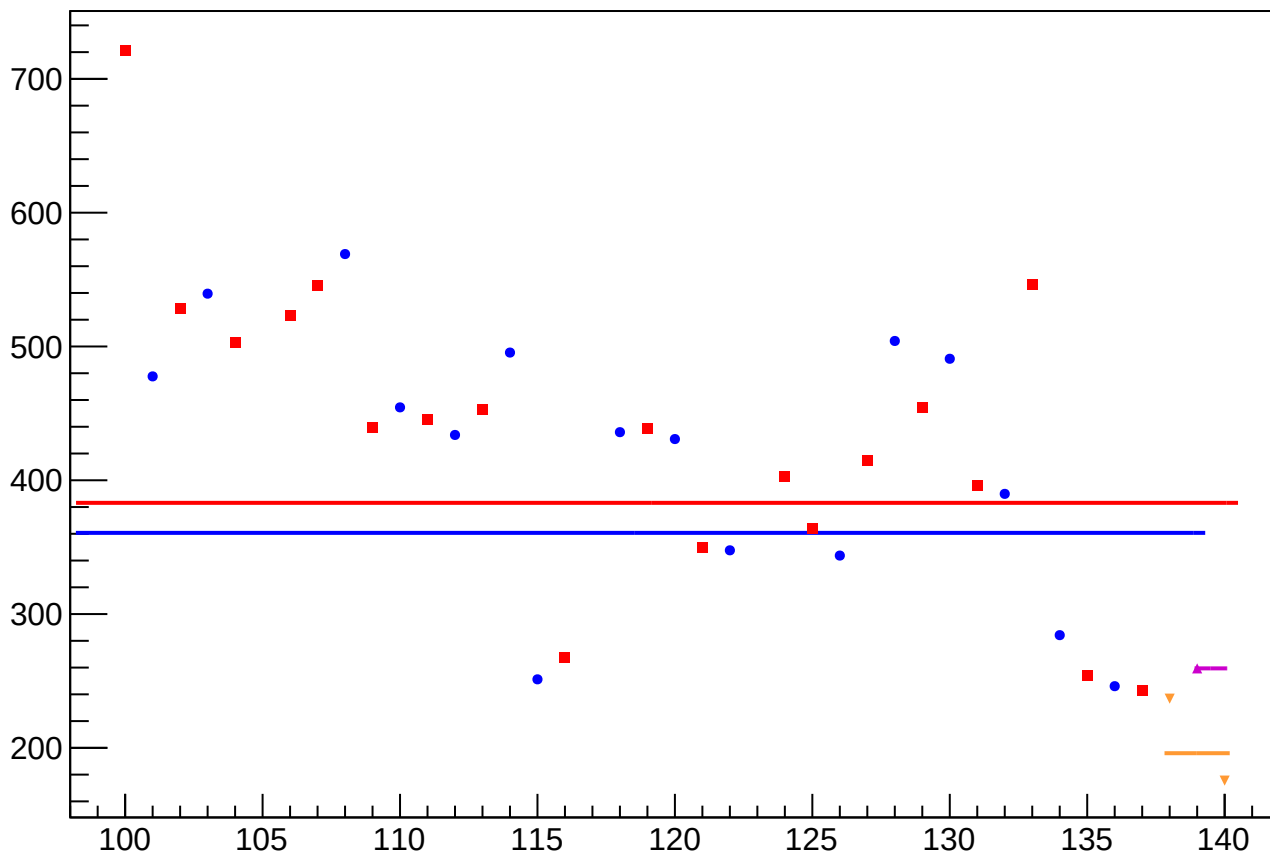
Left In: 482.894 $\pm$ 282.305 χ^2 /NDF: 0.0/0

+ sign 232.474 $\pm$ 104.496 χ^2 /NDF: 21.5/17

All: 264.608 $\pm$ 81.245 χ^2 /NDF: 34.8/37

- sign 313.724 $\pm$ 129.189 χ^2 /NDF: 13.1/19

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 360.691+/-0.099 χ^2/NDF : 1092752.5/15

Left Out: 196.002+/-0.111 χ^2/NDF : 68090.2/1

Right Out: 383.131+/-0.103 χ^2/NDF : 963120.8/18

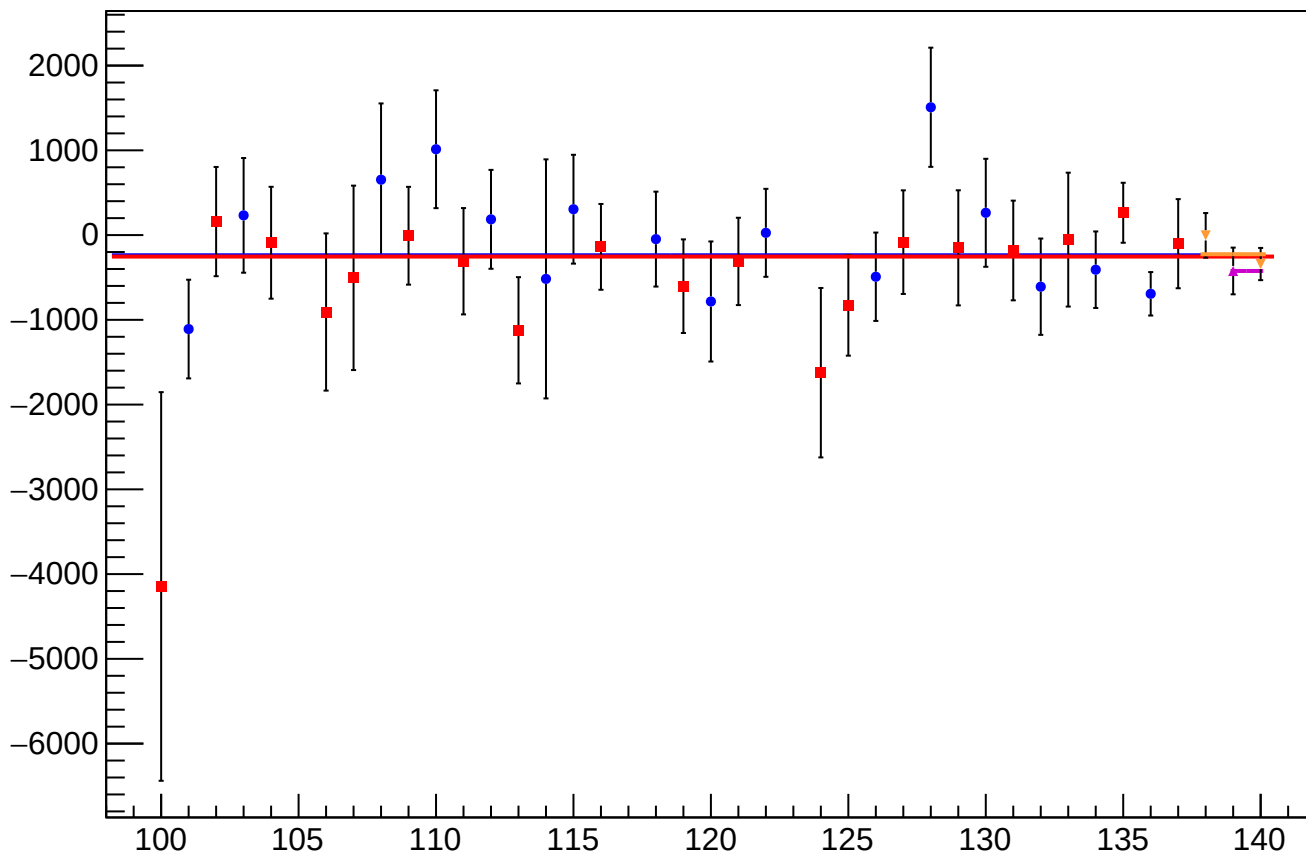
Left In: 259.403+/-0.200 χ^2/NDF : 0.0/0

+ sign 287.395+/-0.074 χ^2/NDF : 2387782.9/17

All: 315.011+/-0.057 χ^2/NDF : 4007813.4/37

- sign 357.220+/-0.091 χ^2/NDF : 1266843.8/19

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2 /NDF: 19.9/15

Left Out: -225.792+/-154.138 χ^2 /NDF: 1.1/1

Right Out: -253.445+/-140.414 χ^2 /NDF: 11.7/18

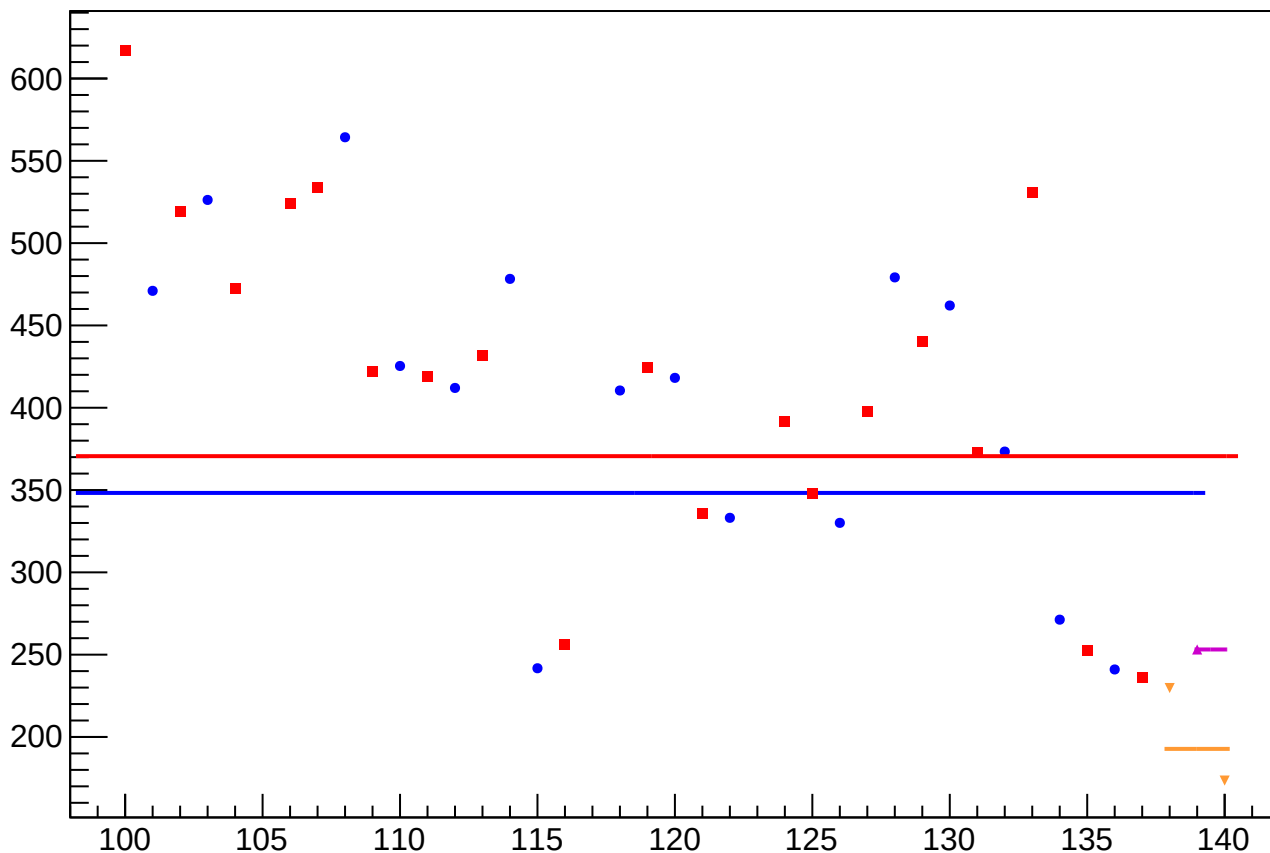
Left In: -423.488+/-275.533 χ^2 /NDF: 0.0/0

+ sign -232.709+/-101.704 χ^2 /NDF: 21.0/17

All: -254.910+/-78.917 χ^2 /NDF: 33.1/37

- sign -288.501+/-125.106 χ^2 /NDF: 12.0/19

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF : 1056820.3/15

Left Out: 192.758+/-0.109 χ^2/NDF : 59913.9/1

Right Out: 370.585+/-0.099 χ^2/NDF : 917913.5/18

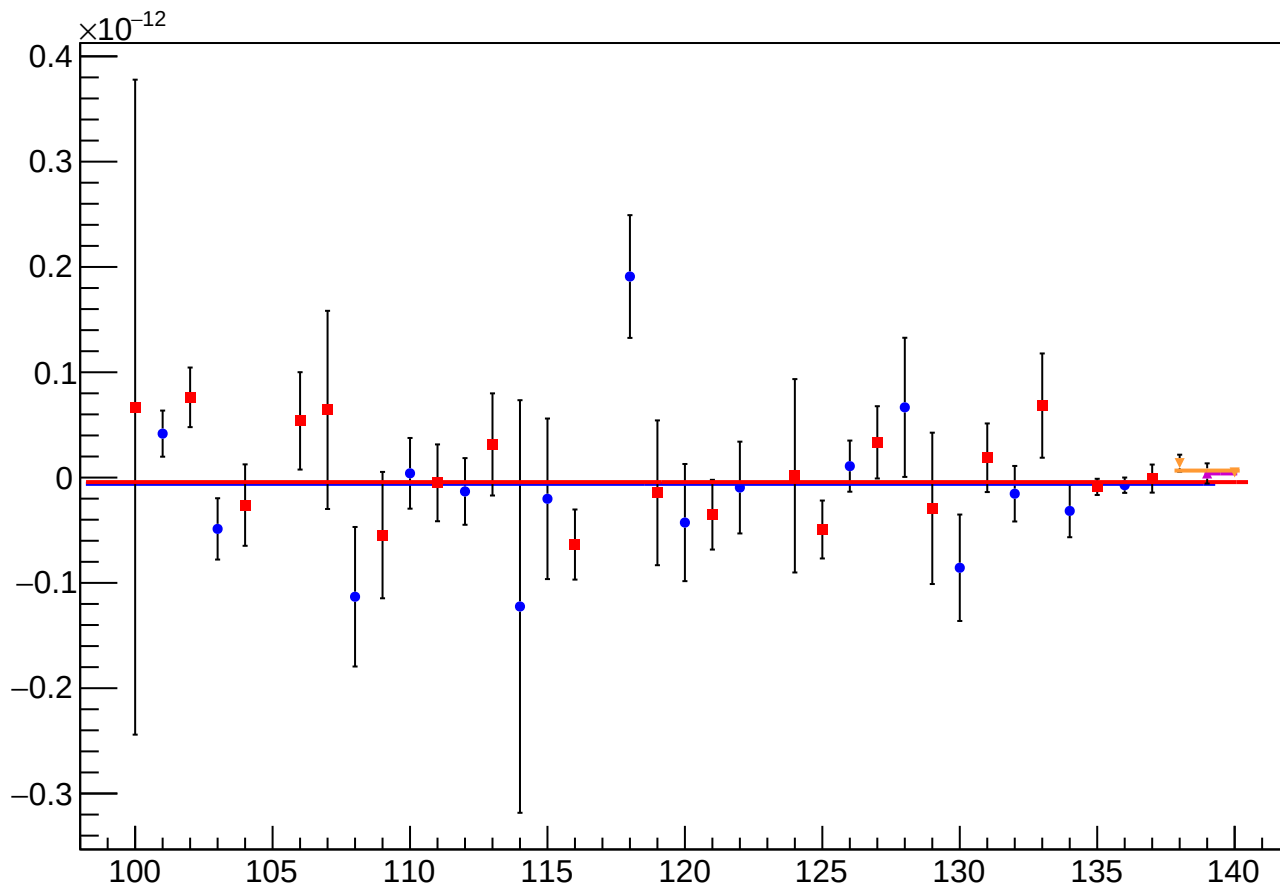
Left In: 253.149+/-0.195 χ^2/NDF : 0.0/0

+ sign 280.555+/-0.072 χ^2/NDF : 2265961.0/17

All: 306.746+/-0.056 χ^2/NDF : 3805598.5/37

- sign 346.375+/-0.088 χ^2/NDF : 1206332.1/19

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 27.3/15

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

Right Out: -0.000+/-0.000 χ^2/NDF : 23.0/18

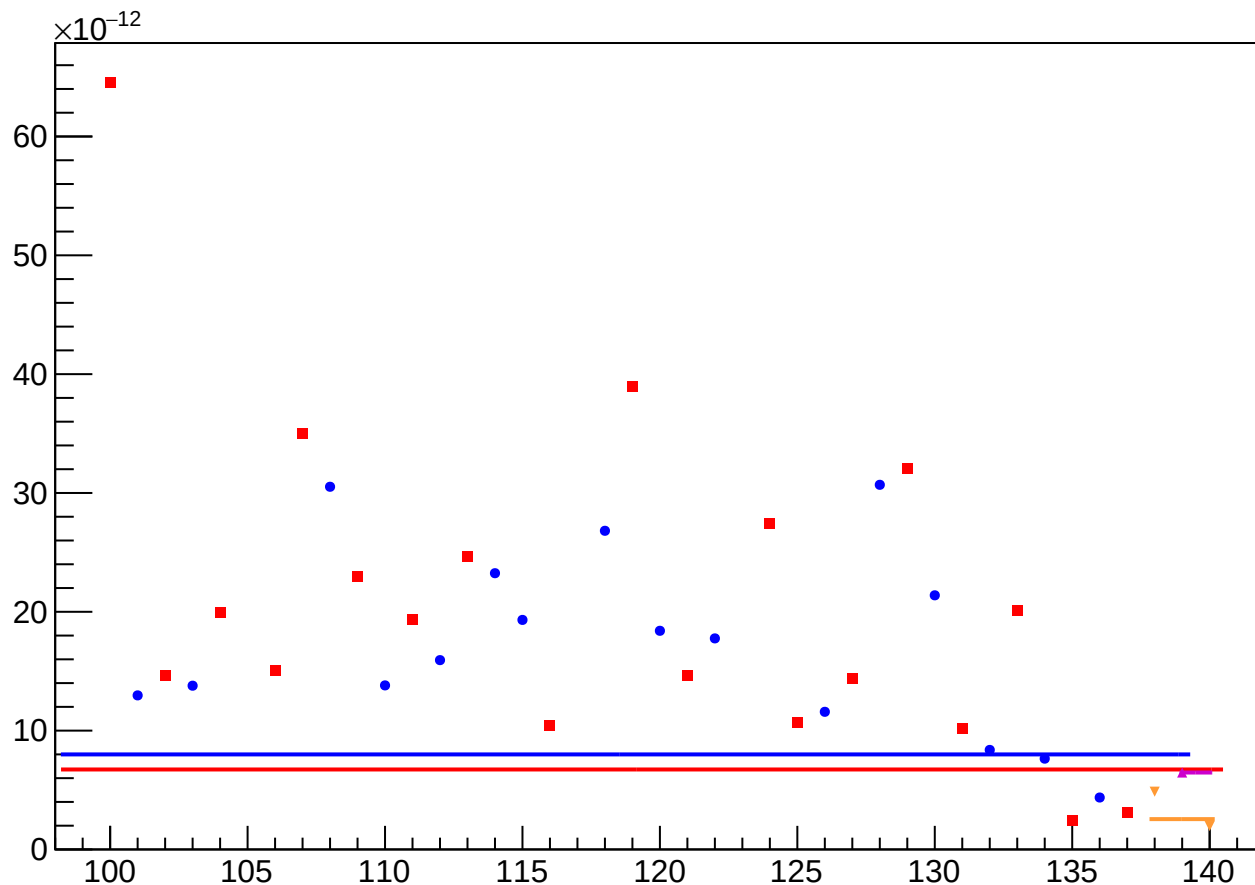
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 31.8/17

All: 0.000+/-0.000 χ^2/NDF : 56.1/37

- sign -0.000+/-0.000 χ^2/NDF : 23.5/19

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 206985.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3379574.5/18

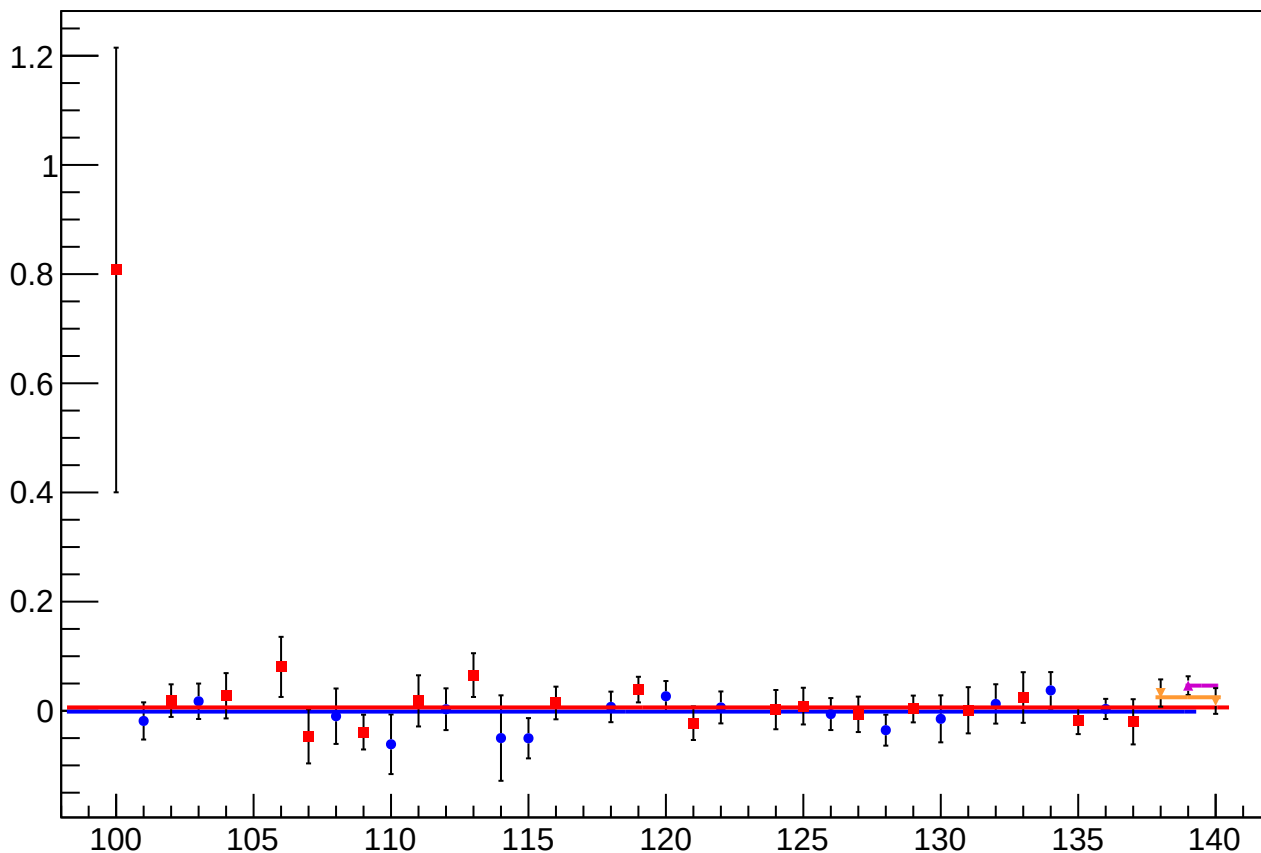
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 3461453.9/17

All: 0.000+/-0.000 χ^2/NDF : 7241460.8/37

- sign 0.000+/-0.000 χ^2/NDF : 3380646.2/19

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 χ^2/NDF : 8.3/15

Left Out: 0.025 ± 0.017 χ^2/NDF : 0.2/1

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

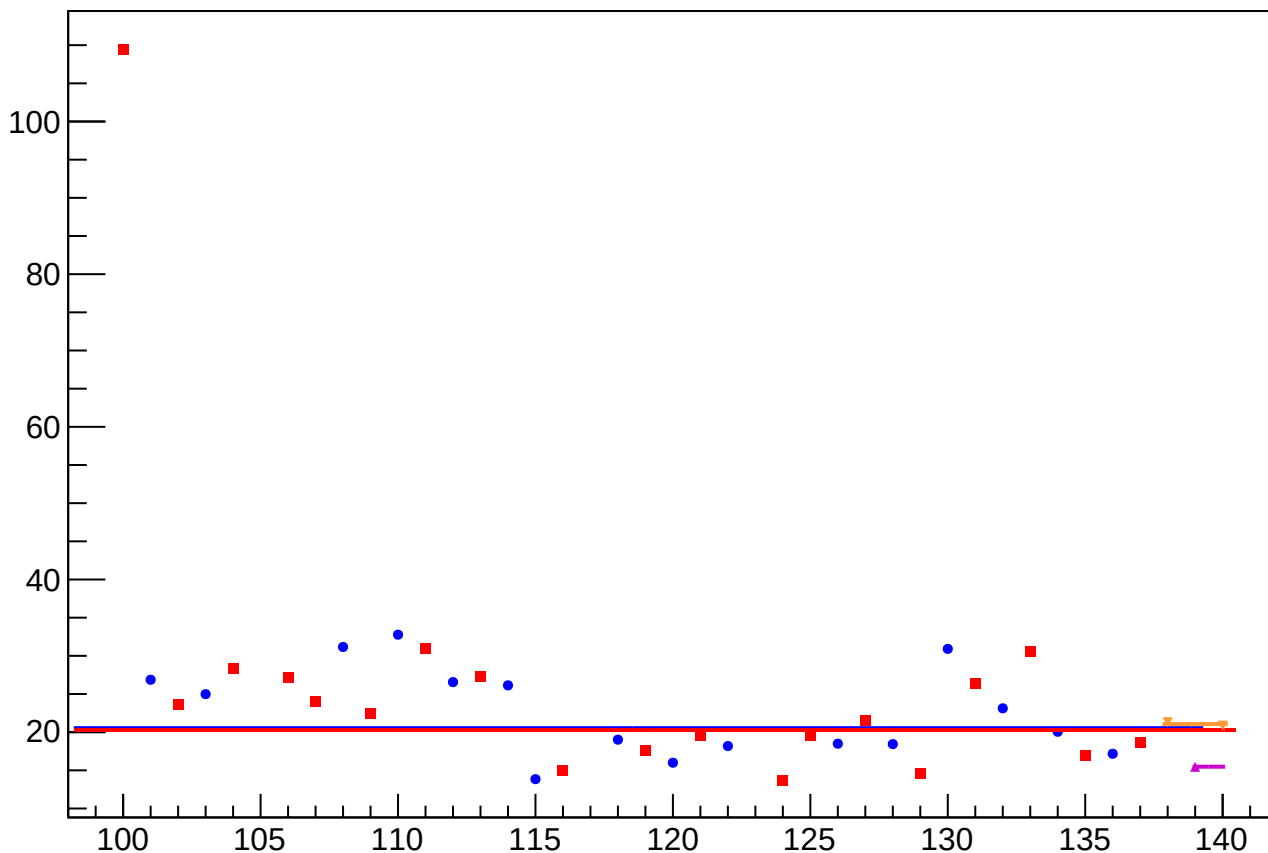
Left In: 0.046 ± 0.017 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.008 ± 0.005 χ^2/NDF : 32.0/37

- sign 0.013 ± 0.007 χ^2/NDF : 20.7/19

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522 $\pm$ 0.006 χ^2 /NDF: 705998.4/15

Left Out: 21.063 $\pm$ 0.012 χ^2 /NDF: 347.9/1

Right Out: 20.282 $\pm$ 0.006 χ^2 /NDF: 864352.6/18

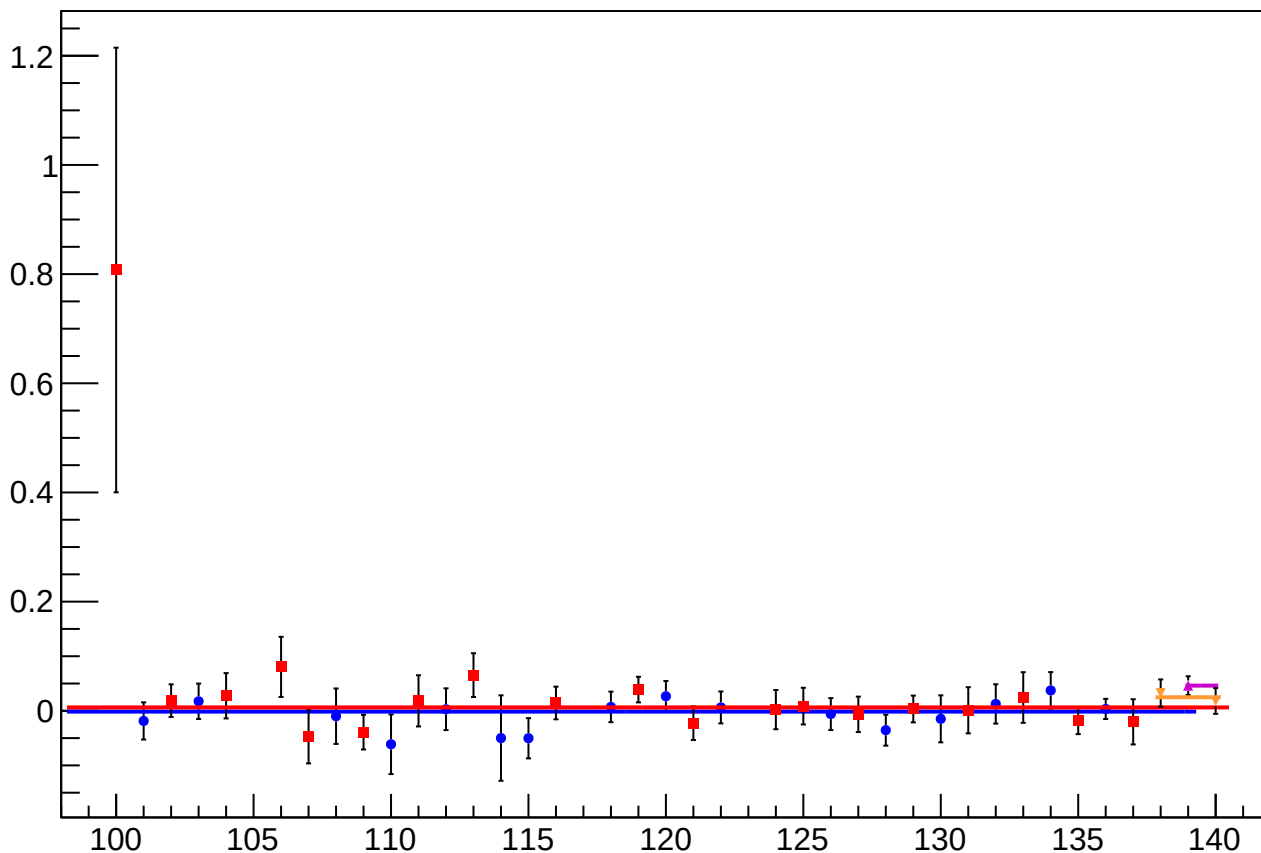
Left In: 15.477 $\pm$ 0.012 χ^2 /NDF: 0.0/0

+ sign 20.620 $\pm$ 0.005 χ^2 /NDF: 707977.1/17

All: 20.019 $\pm$ 0.004 χ^2 /NDF: 1729162.8/37

- sign 19.440 $\pm$ 0.005 χ^2 /NDF: 994526.7/19

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 χ^2/NDF : 8.3/15

Left Out: 0.025 ± 0.017 χ^2/NDF : 0.2/1

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

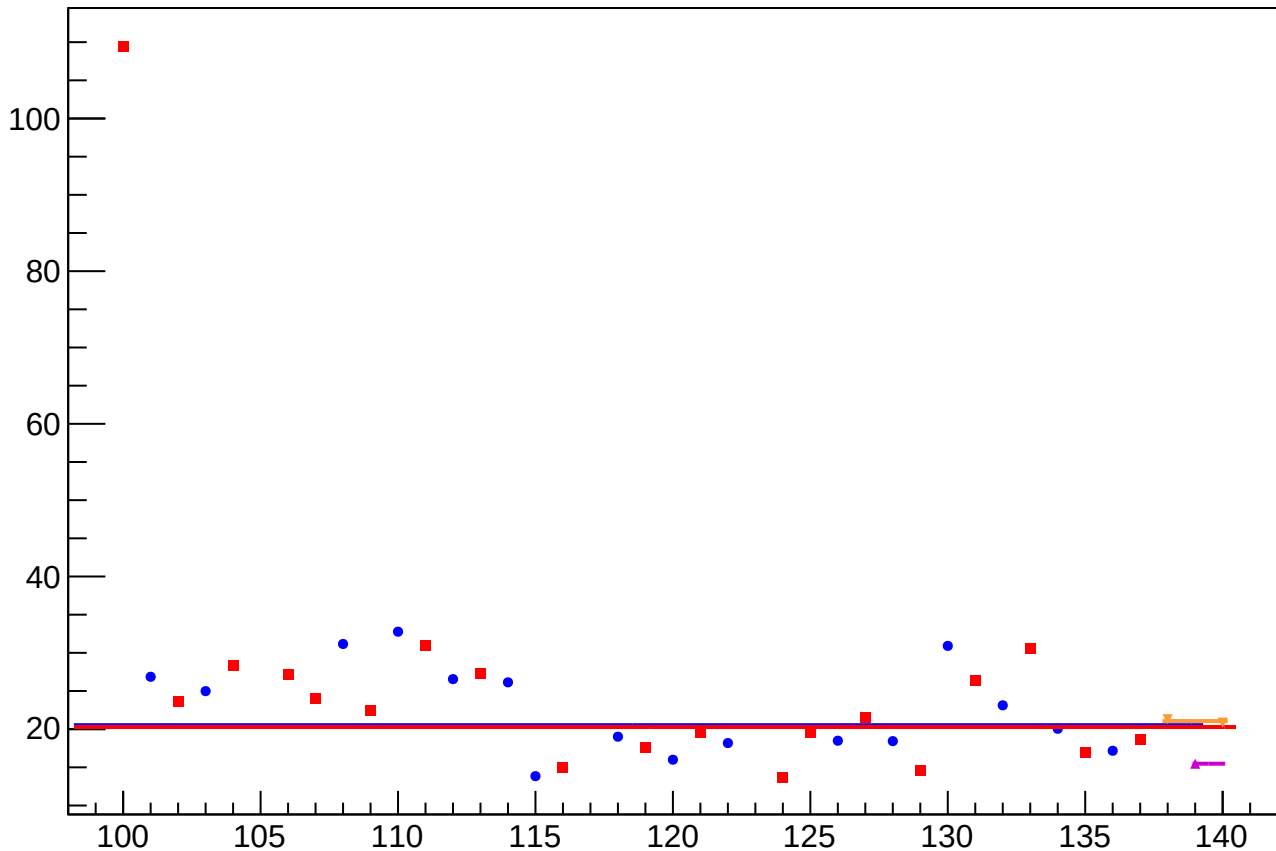
Left In: 0.046 ± 0.017 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.008 ± 0.005 χ^2/NDF : 32.0/37

- sign 0.013 ± 0.007 χ^2/NDF : 20.7/19

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF : 705998.4/15

Left Out: 21.063+/-0.012 χ^2/NDF : 347.9/1

Right Out: 20.282+/-0.006 χ^2/NDF : 864352.6/18

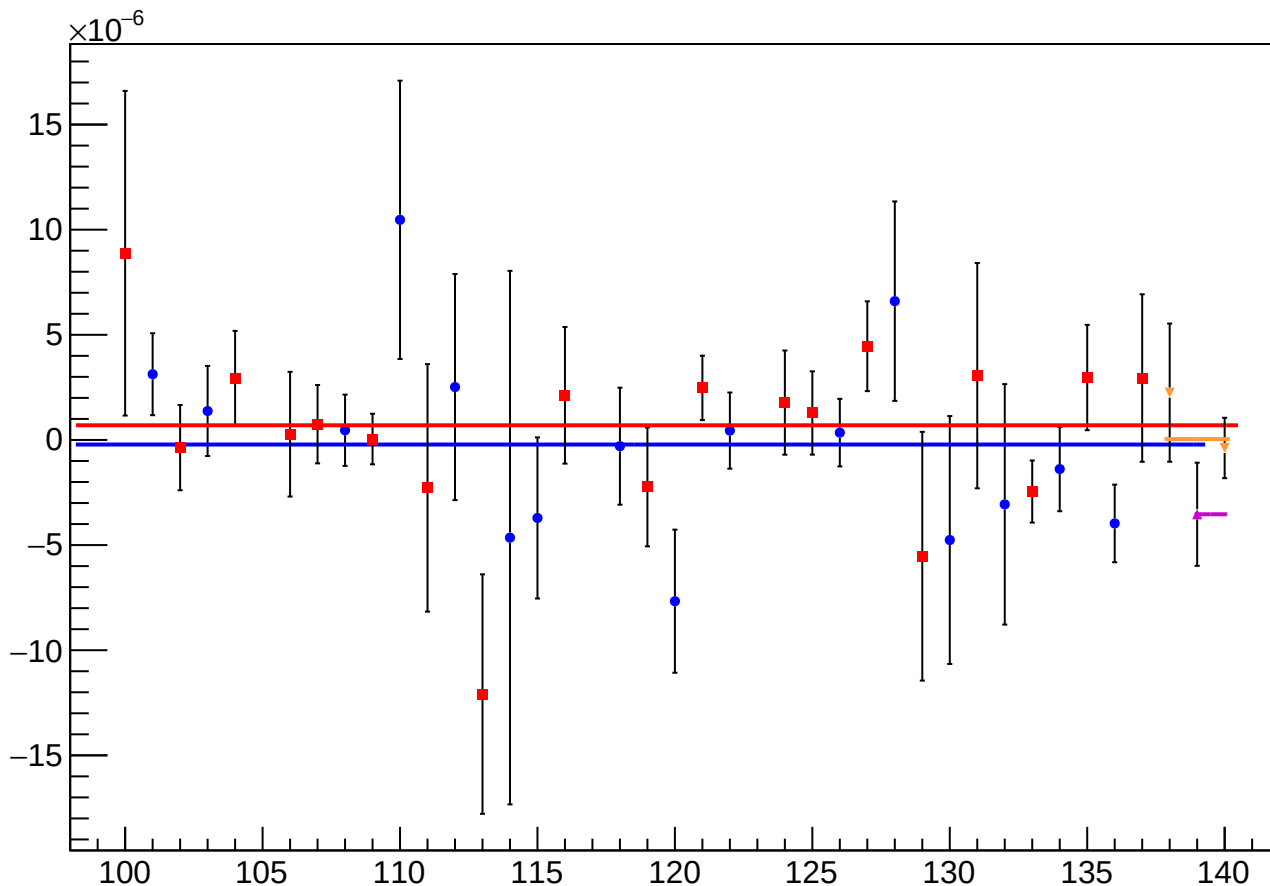
Left In: 15.477+/-0.012 χ^2/NDF : 0.0/0

+ sign 20.620+/-0.005 χ^2/NDF : 707977.1/17

All: 20.019+/-0.004 χ^2/NDF : 1729162.8/37

- sign 19.440+/-0.005 χ^2/NDF : 994526.7/19

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/18

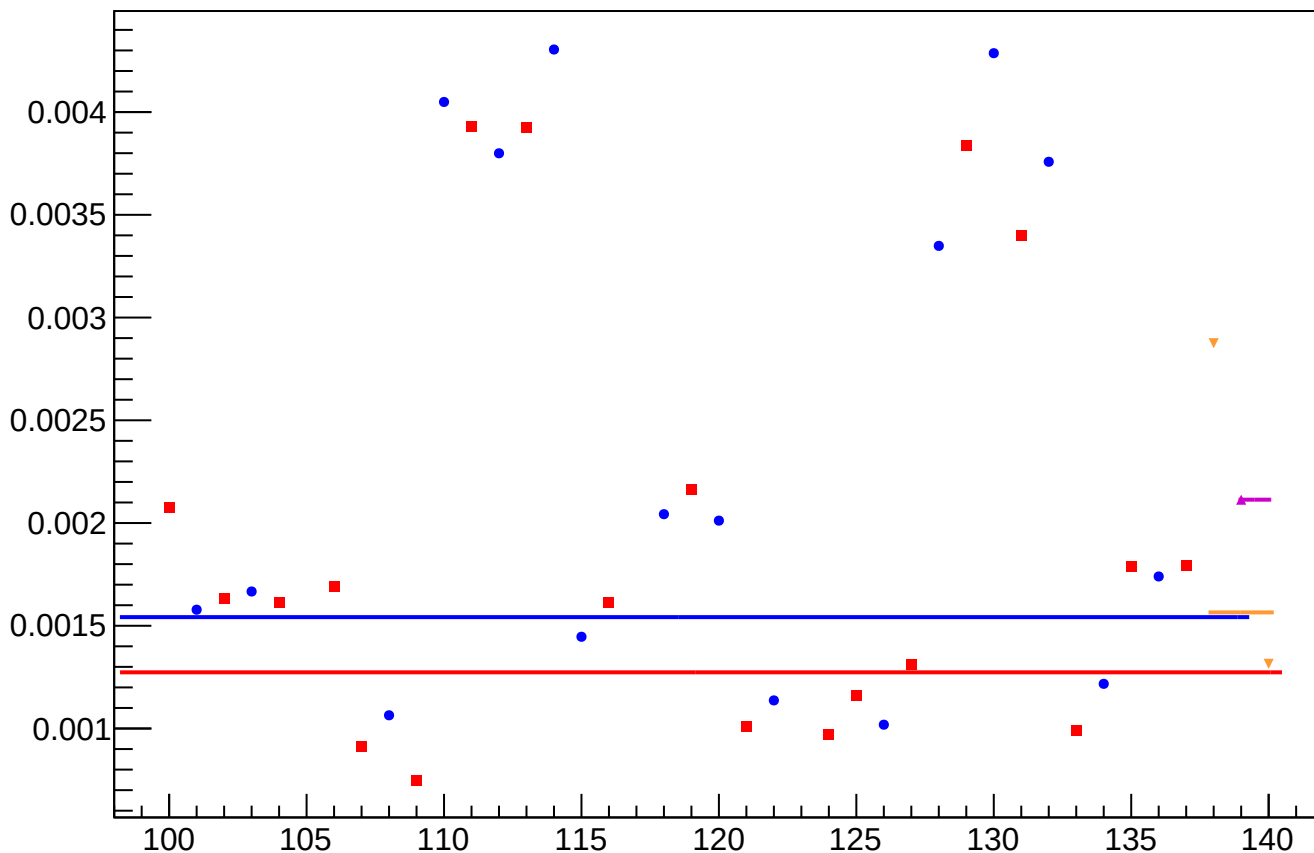
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/19

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2416805.2/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:378797.0/1

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 2667436.5/18

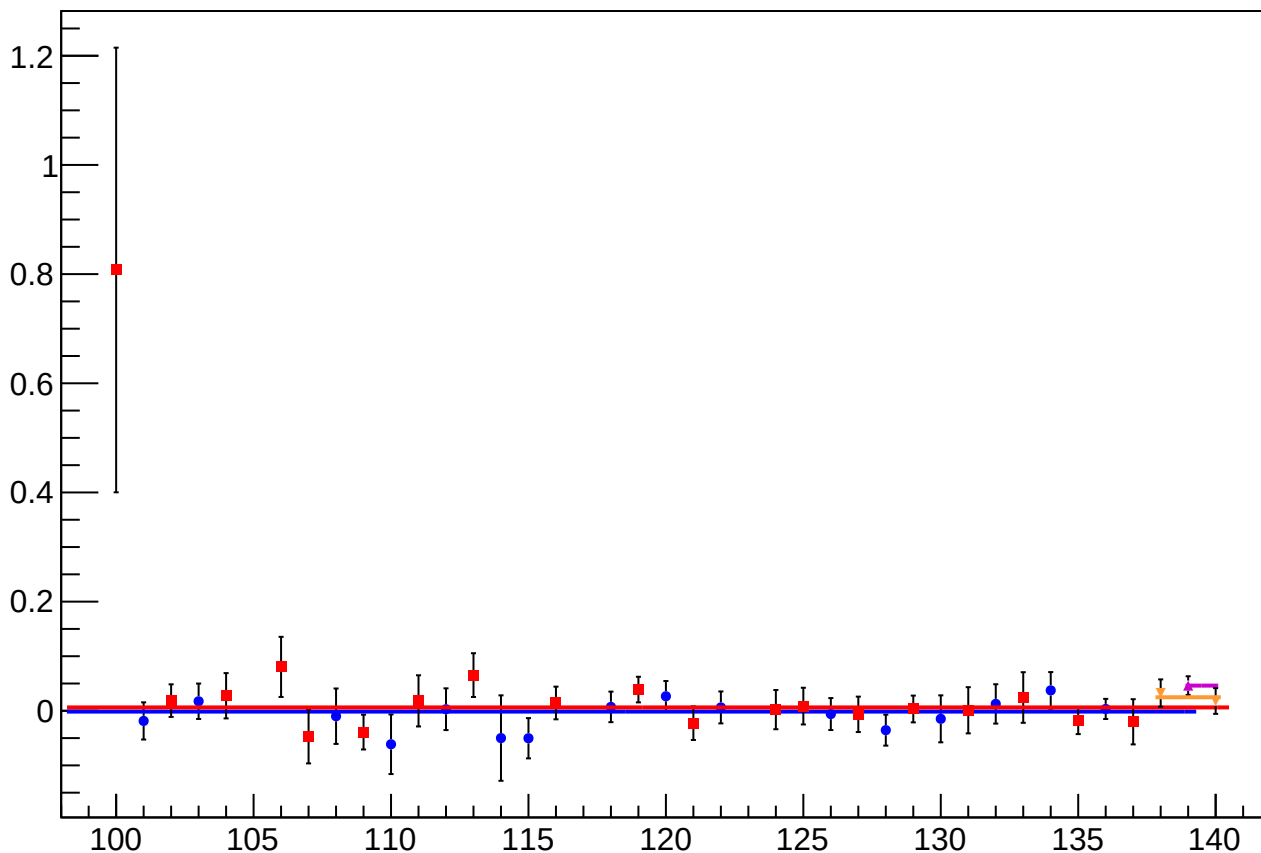
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2796098.4/17

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 5878413.8/37

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 2891815.7/19

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 χ^2/NDF : 8.3/15

Left Out: 0.025 ± 0.017 χ^2/NDF : 0.2/1

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

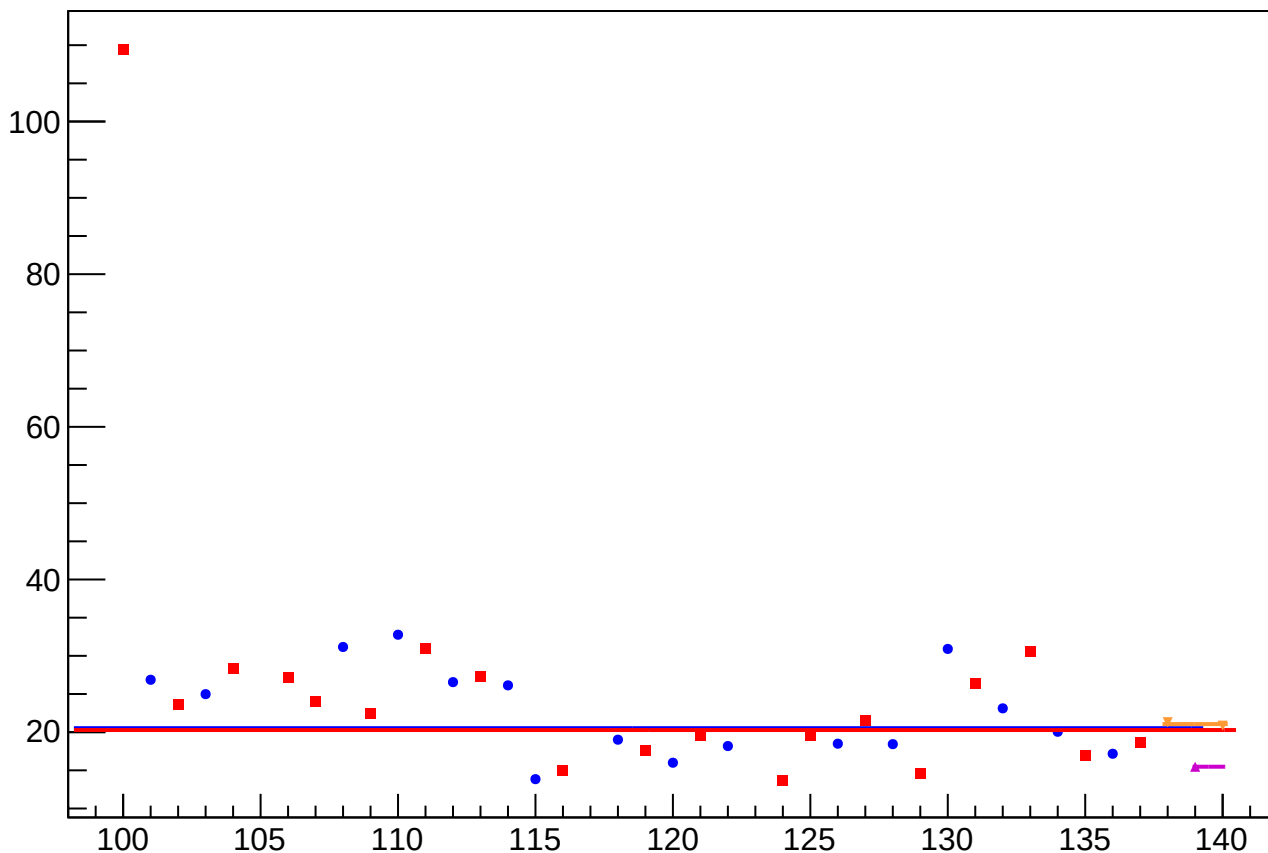
Left In: 0.046 ± 0.017 χ^2/NDF : 0.0/0

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.008 ± 0.005 χ^2/NDF : 32.0/37

- sign 0.013 ± 0.007 χ^2/NDF : 20.7/19

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF : 705877.0/15

Left Out: 21.062+/-0.012 χ^2/NDF : 346.1/1

Right Out: 20.281+/-0.006 χ^2/NDF : 864361.2/18

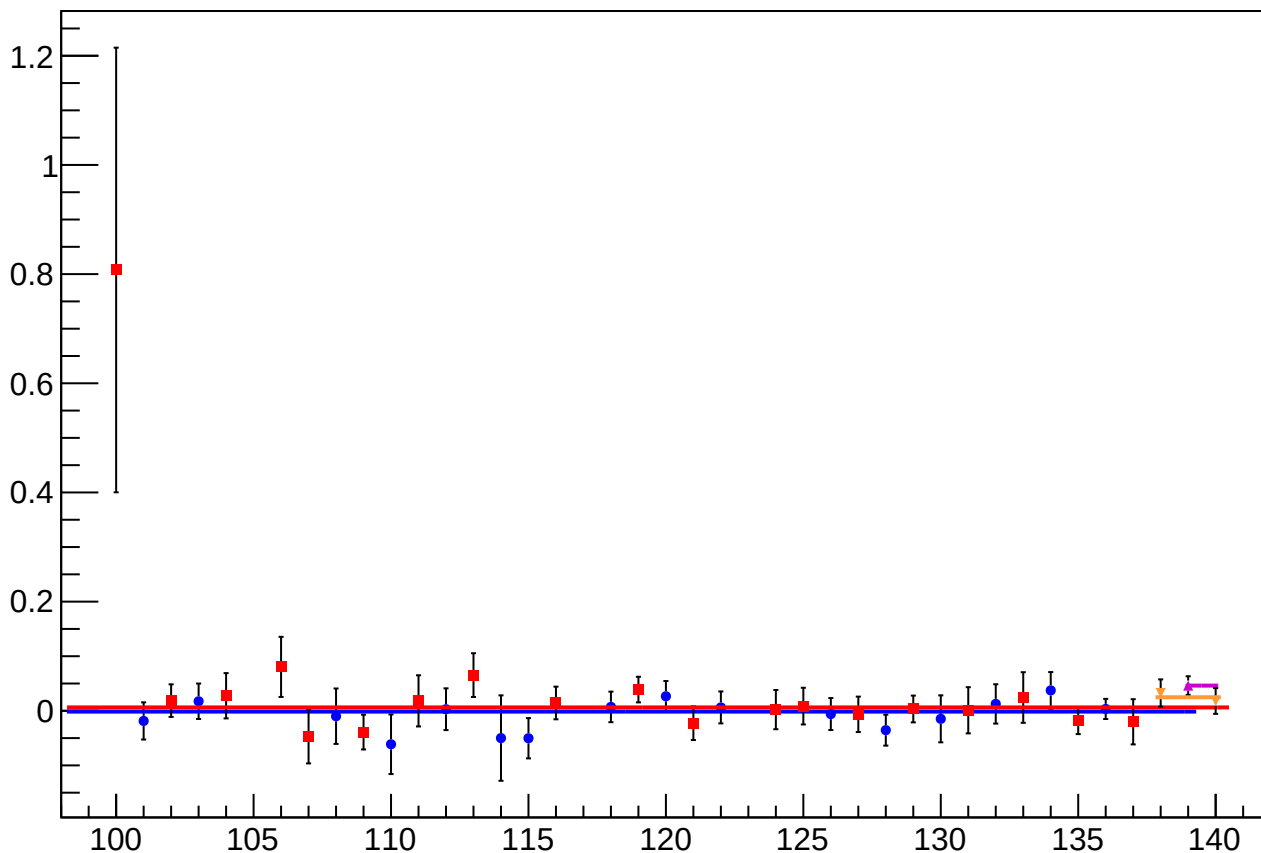
Left In: 15.476+/-0.012 χ^2/NDF : 0.0/0

+ sign 20.619+/-0.005 χ^2/NDF : 707854.8/17

All: 20.018+/-0.004 χ^2/NDF : 1729094.3/37

- sign 19.439+/-0.005 χ^2/NDF : 994567.4/19

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 $\chi^2/\text{NDF}: 8.3/15$

Left Out: 0.025 ± 0.017 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 0.006 ± 0.008 $\chi^2/\text{NDF}: 16.2/18$

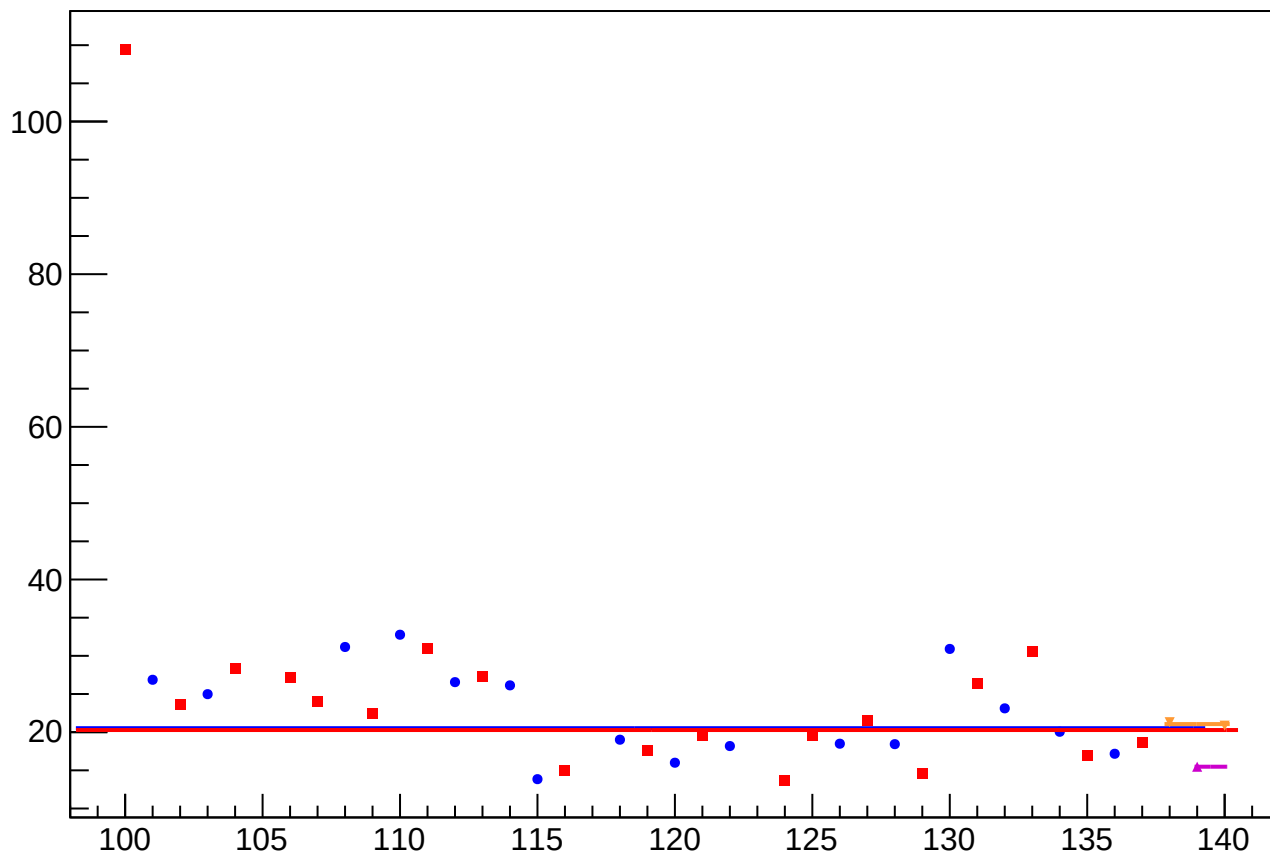
Left In: 0.046 ± 0.017 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.003 ± 0.007 $\chi^2/\text{NDF}: 10.4/17$

All: 0.008 ± 0.005 $\chi^2/\text{NDF}: 32.0/37$

- sign 0.013 ± 0.007 $\chi^2/\text{NDF}: 20.7/19$

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF : 705877.0/15

Left Out: 21.062+/-0.012 χ^2/NDF : 346.1/1

Right Out: 20.281+/-0.006 χ^2/NDF : 864361.2/18

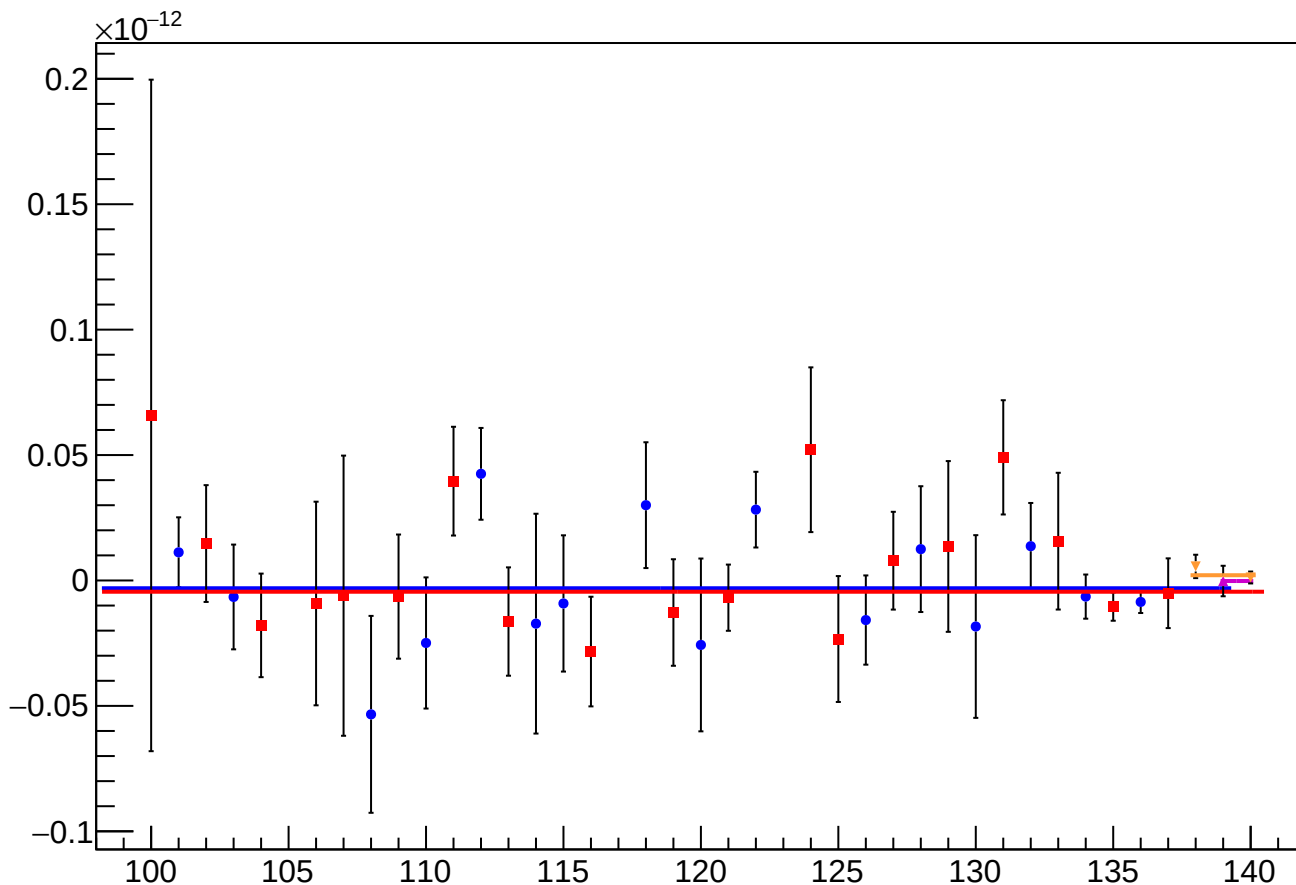
Left In: 15.476+/-0.012 χ^2/NDF : 0.0/0

+ sign 20.619+/-0.005 χ^2/NDF : 707854.8/17

All: 20.018+/-0.004 χ^2/NDF : 1729094.3/37

- sign 19.439+/-0.005 χ^2/NDF : 994567.4/19

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/18

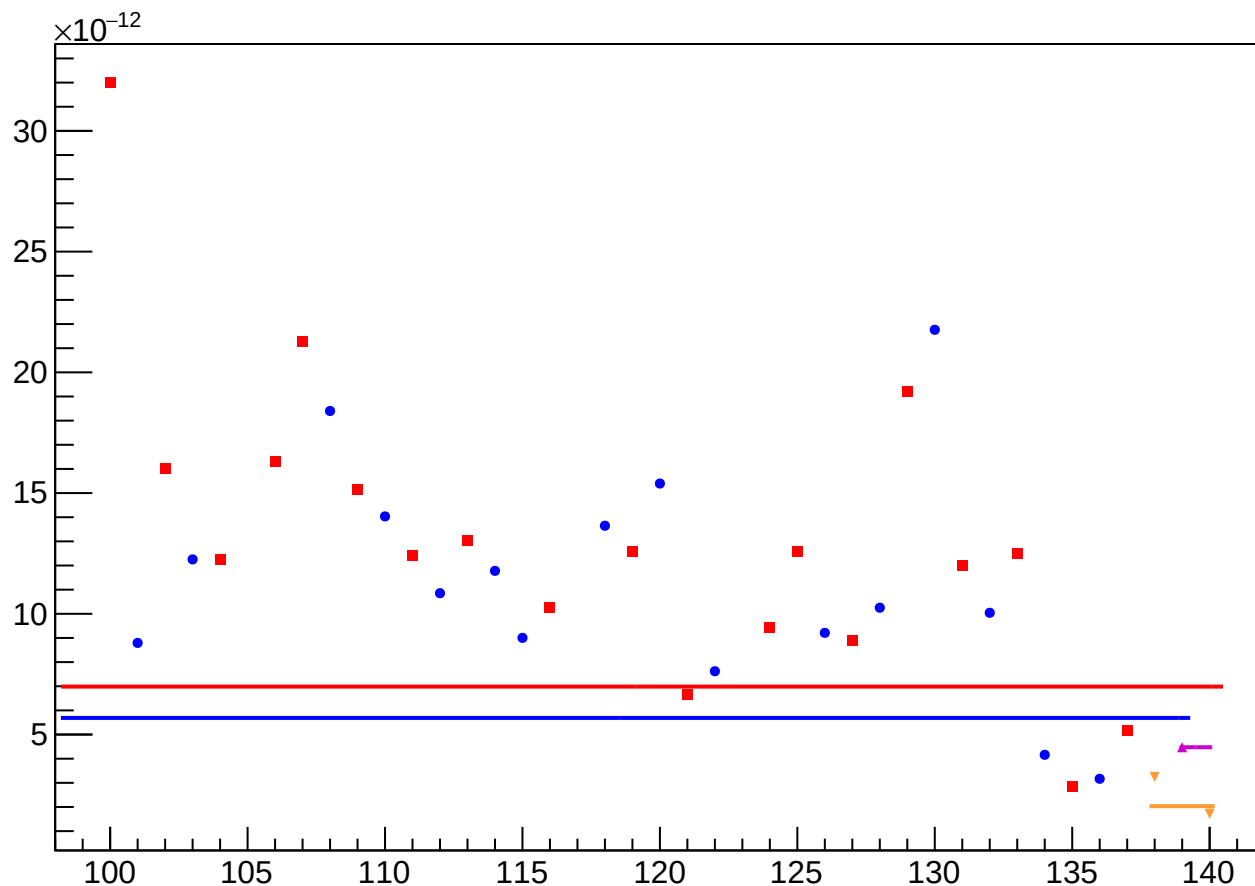
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.5/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/19

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 170306.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3108073.7/18

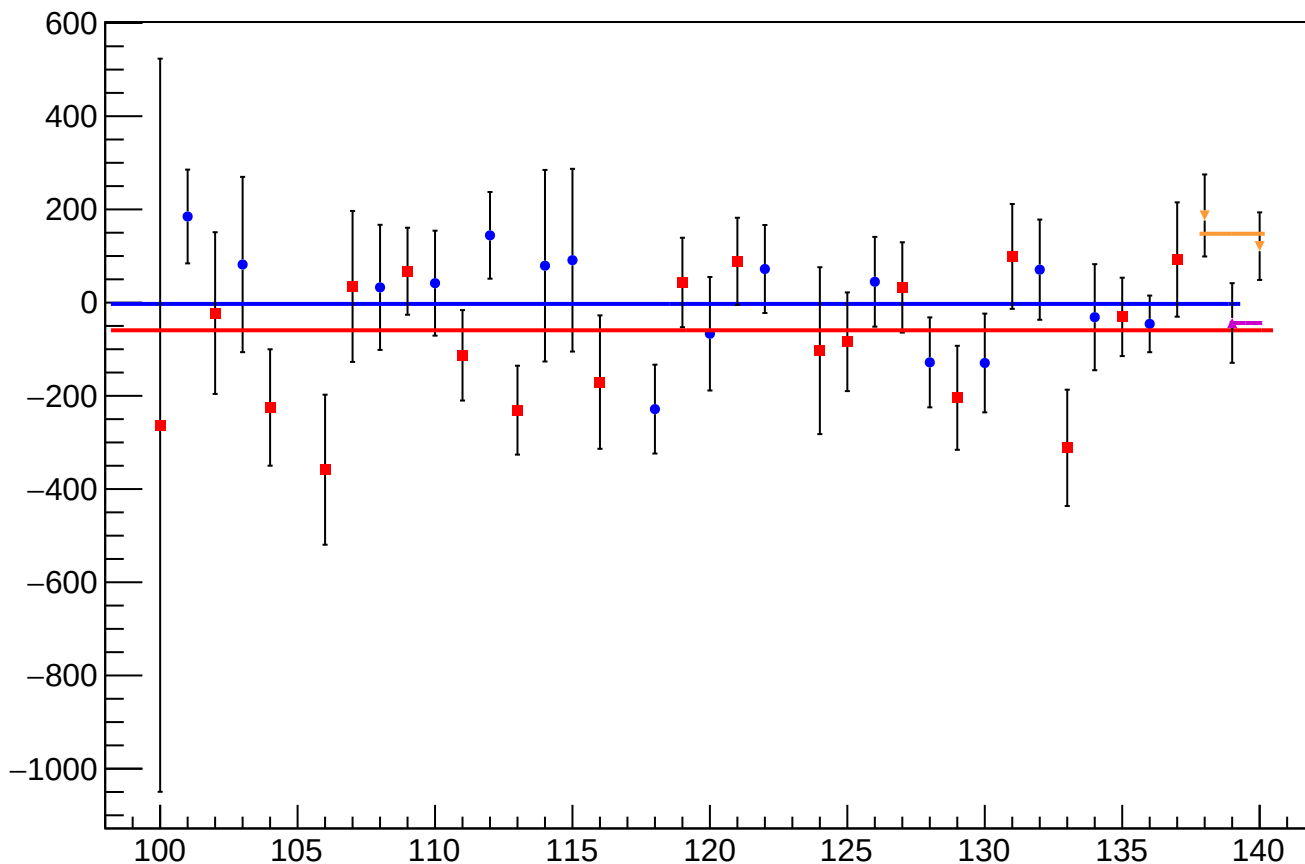
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4651122.5/17

All: 0.000+/-0.000 χ^2/NDF : 9440422.7/37

- sign 0.000+/-0.000 χ^2/NDF : 3351304.5/19

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 147.805 ± 55.955 χ^2/NDF : 0.3/1

Right Out: -59.349 ± 26.382 χ^2/NDF : 25.7/18

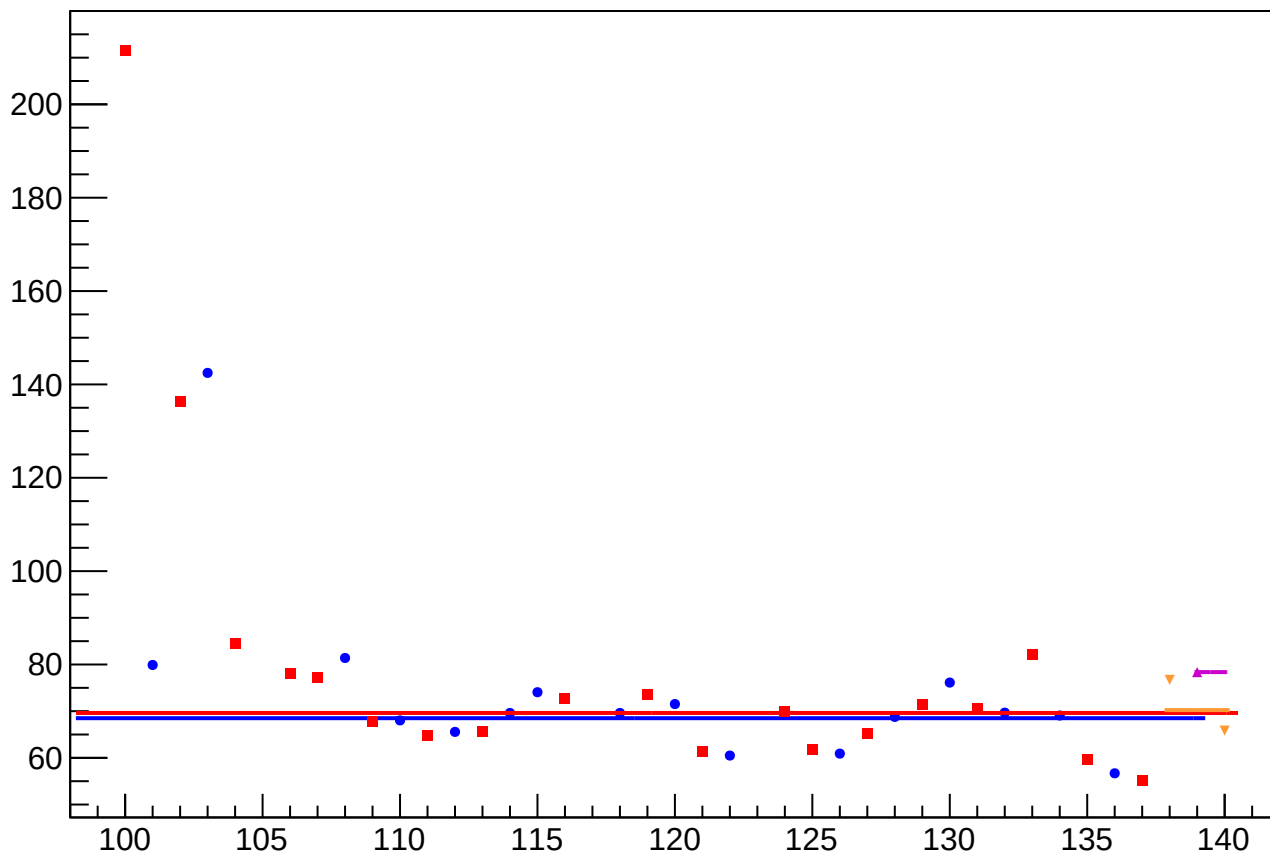
Left In: -43.707 ± 85.412 χ^2/NDF : 0.0/0

+ sign 24.332 ± 23.737 χ^2/NDF : 24.0/17

All: -14.357 ± 17.281 χ^2/NDF : 55.4/37

- sign -57.986 ± 25.207 χ^2/NDF : 25.7/19

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2 /NDF: 471865.0/15

Left Out: 70.229+/-0.040 χ^2 /NDF:18184.4/1

Right Out: 69.620+/-0.019 χ^2 /NDF: 520403.9/18

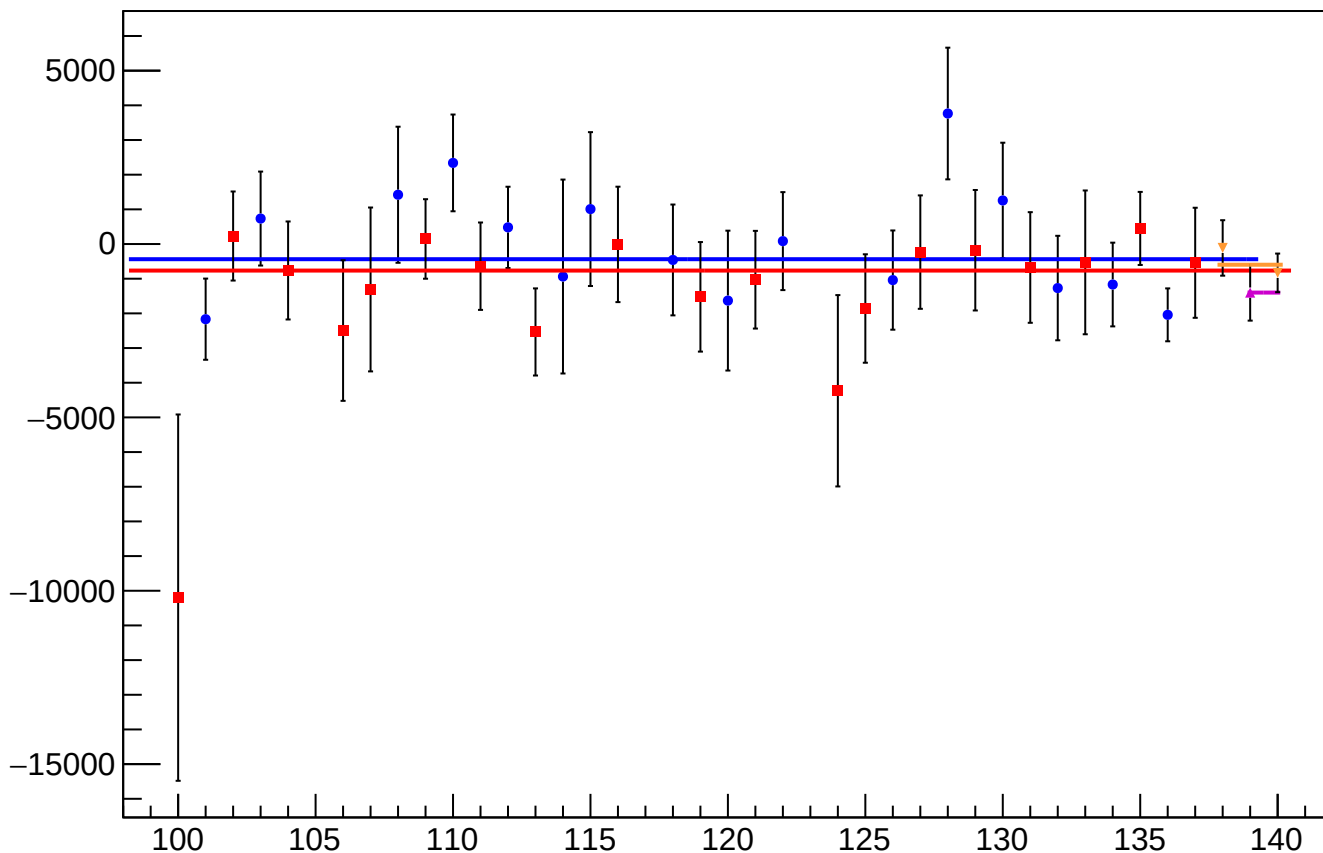
Left In: 78.371+/-0.060 χ^2 /NDF:0.0/0

+ sign 68.810+/-0.017 χ^2 /NDF: 491617.0/17

All: 69.549+/-0.012 χ^2 /NDF: 1035309.4/37

- sign 70.382+/-0.018 χ^2 /NDF: 539569.7/19

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -437.444+/-348.880 χ^2/NDF : 20.6/15

Left Out: -597.104+/-457.052 χ^2/NDF : 0.5/1

Right Out: -765.341+/-353.052 χ^2/NDF : 11.3/18

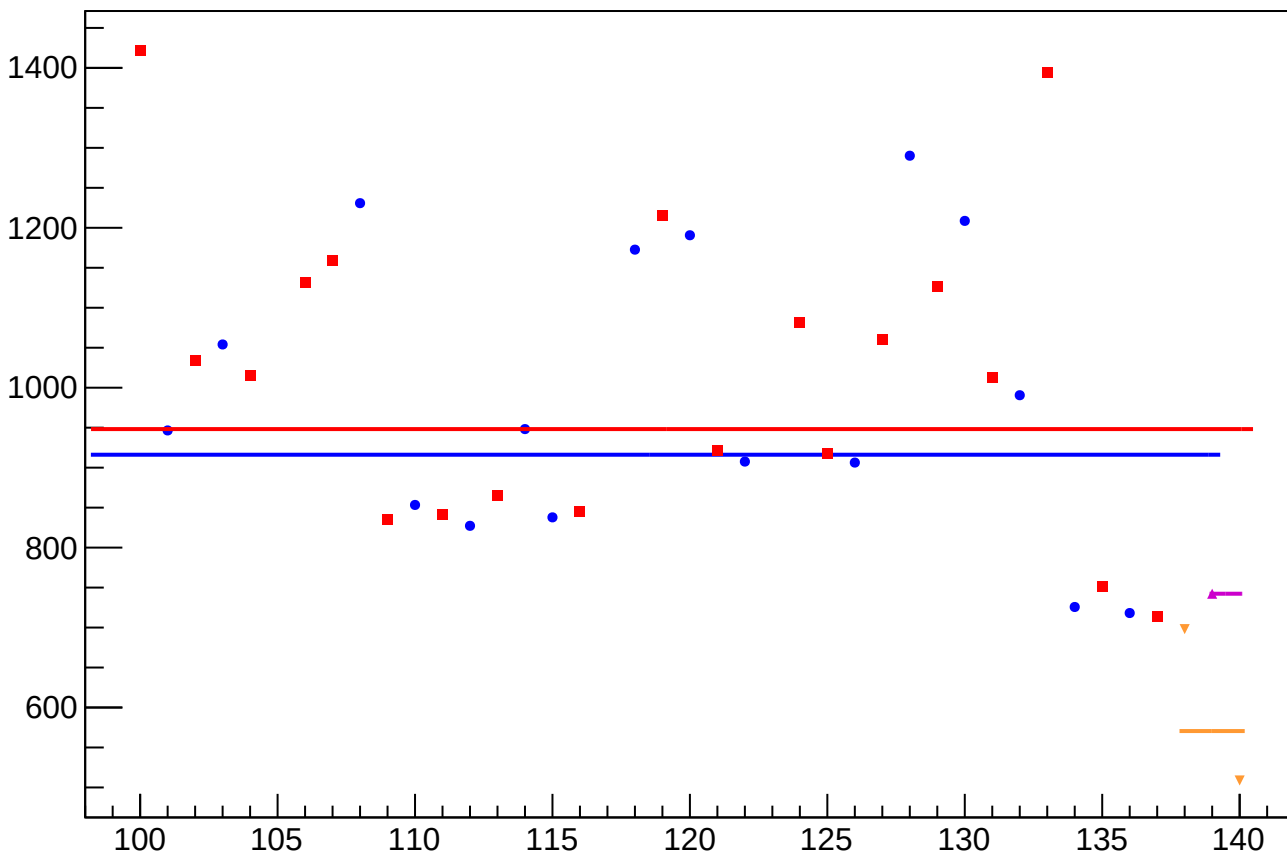
Left In: -1400.220+/-809.071 χ^2/NDF : 0.0/0

+ sign -496.224+/-277.320 χ^2/NDF : 21.2/17

All: -653.188+/-210.570 χ^2/NDF : 33.8/37

- sign -866.895+/-323.586 χ^2/NDF : 11.8/19

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF : 509126.4/15

Left Out: 570.546+/-0.323 χ^2/NDF : 75446.7/1

Right Out: 948.235+/-0.250 χ^2/NDF : 415192.3/18

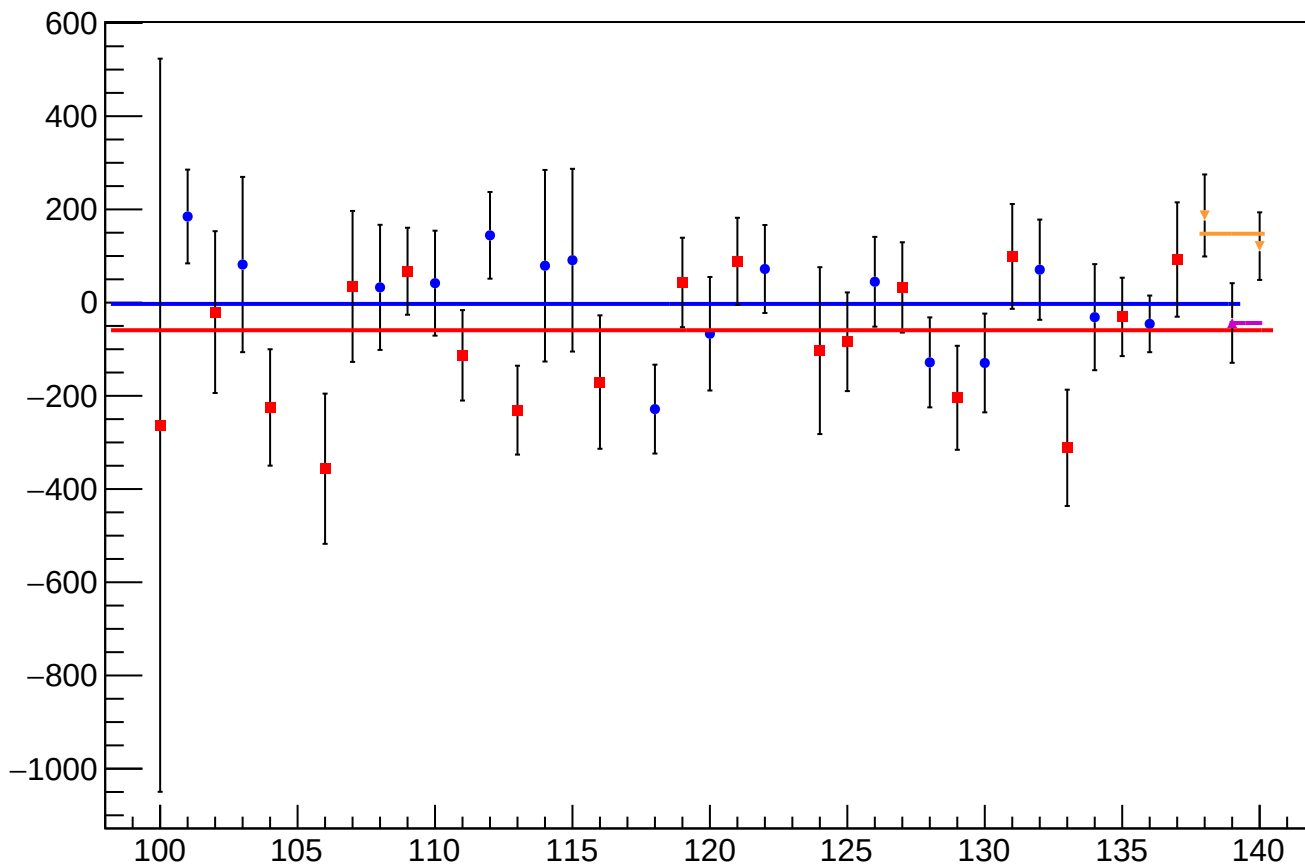
Left In: 742.311+/-0.572 χ^2/NDF : 0.0/0

+ sign 788.927+/-0.196 χ^2/NDF : 1307207.5/17

All: 842.439+/-0.149 χ^2/NDF : 2007094.0/37

- sign 915.296+/-0.229 χ^2/NDF : 524028.5/19

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 147.816 ± 55.955 χ^2/NDF : 0.3/1

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

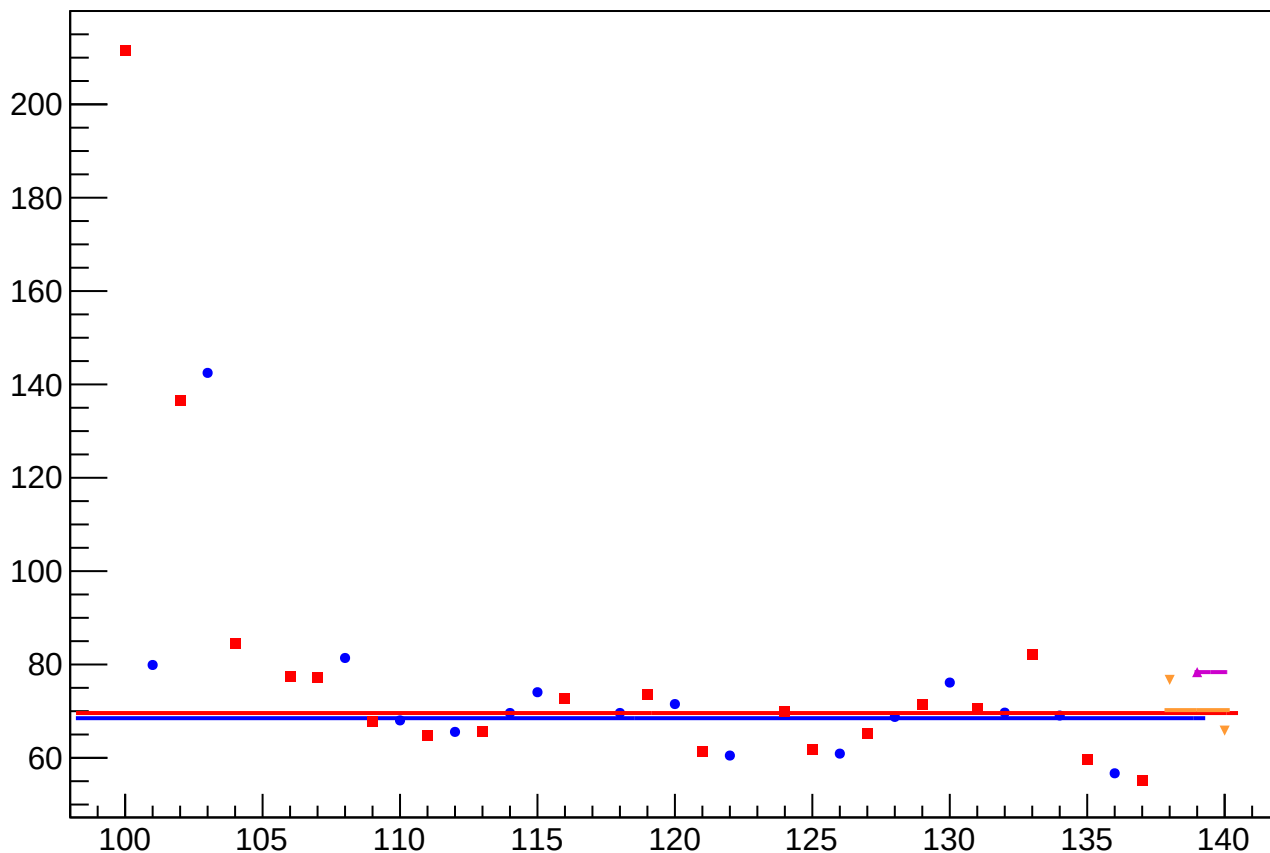
Left In: -43.715 ± 85.412 χ^2/NDF : 0.0/0

+ sign 24.328 ± 23.737 χ^2/NDF : 24.0/17

All: -14.306 ± 17.281 χ^2/NDF : 55.3/37

- sign -57.875 ± 25.208 χ^2/NDF : 25.7/19

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499 $\pm$ 0.019 χ^2 /NDF: 471868.0/15

Left Out: 70.229 $\pm$ 0.040 χ^2 /NDF:18184.4/1

Right Out: 69.600 $\pm$ 0.019 χ^2 /NDF: 519788.9/18

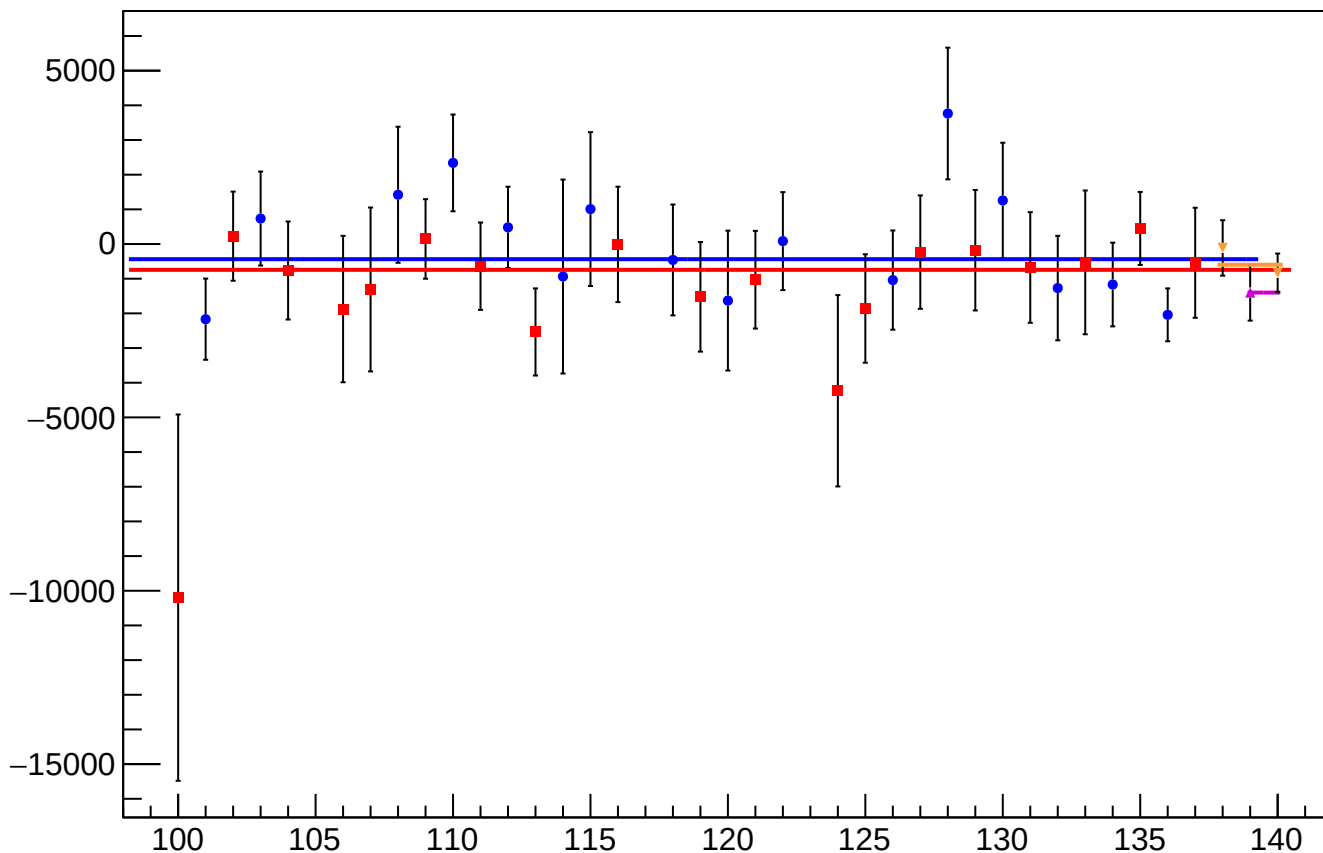
Left In: 78.371 $\pm$ 0.060 χ^2 /NDF:0.0/0

+ sign 68.810 $\pm$ 0.017 χ^2 /NDF: 491620.0/17

All: 69.540 $\pm$ 0.012 χ^2 /NDF: 1034690.2/37

- sign 70.364 $\pm$ 0.018 χ^2 /NDF: 539039.1/19

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -437.415+/-348.881 χ^2/NDF : 20.6/15

Left Out: -597.093+/-457.052 χ^2/NDF : 0.5/1

Right Out: -744.388+/-353.488 χ^2/NDF : 10.9/18

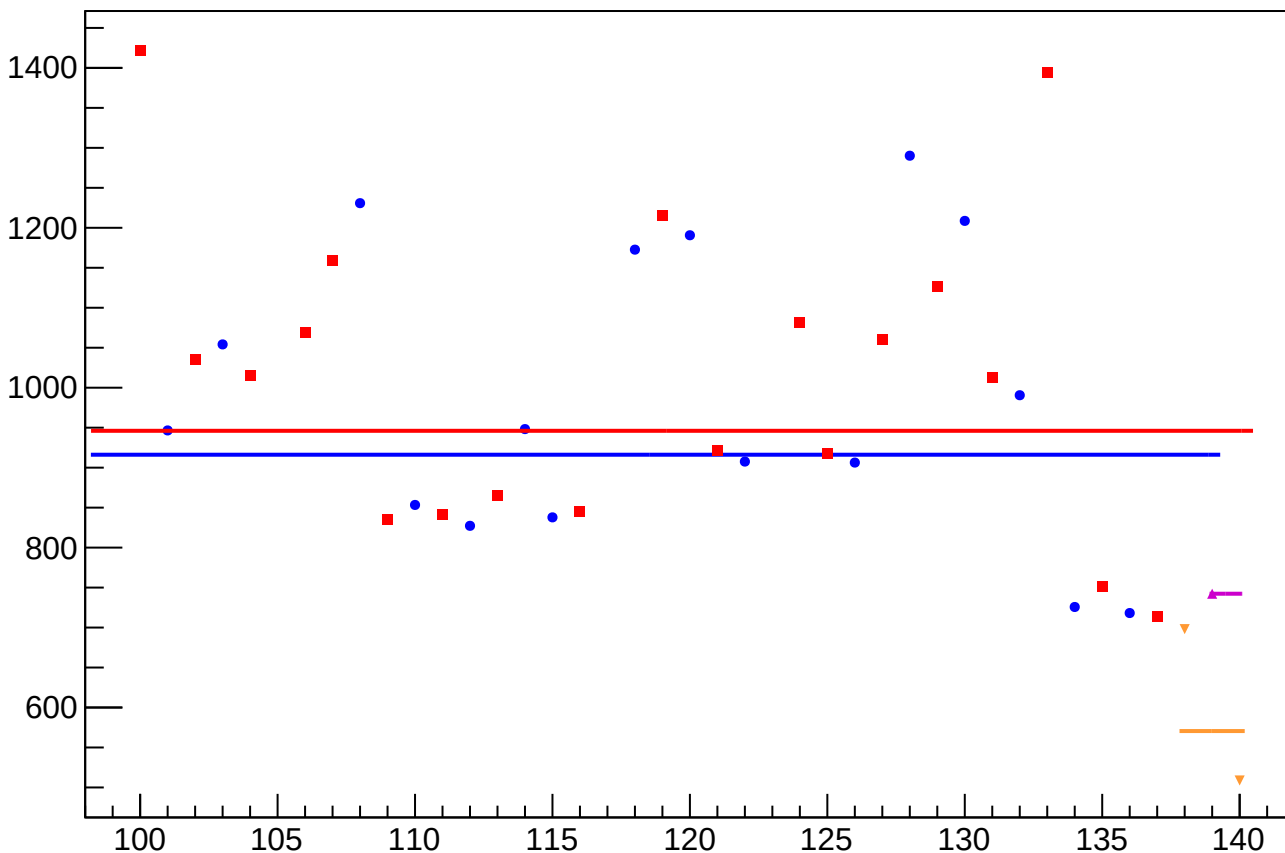
Left In: -1400.230+/-809.070 χ^2/NDF : 0.0/0

+ sign -496.202+/-277.321 χ^2/NDF : 21.2/17

All: -645.637+/-210.662 χ^2/NDF : 33.3/37

- sign -849.513+/-323.921 χ^2/NDF : 11.4/19

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF : 509149.2/15

Left Out: 570.545+/-0.323 χ^2/NDF : 75446.7/1

Right Out: 946.093+/-0.250 χ^2/NDF : 405411.3/18

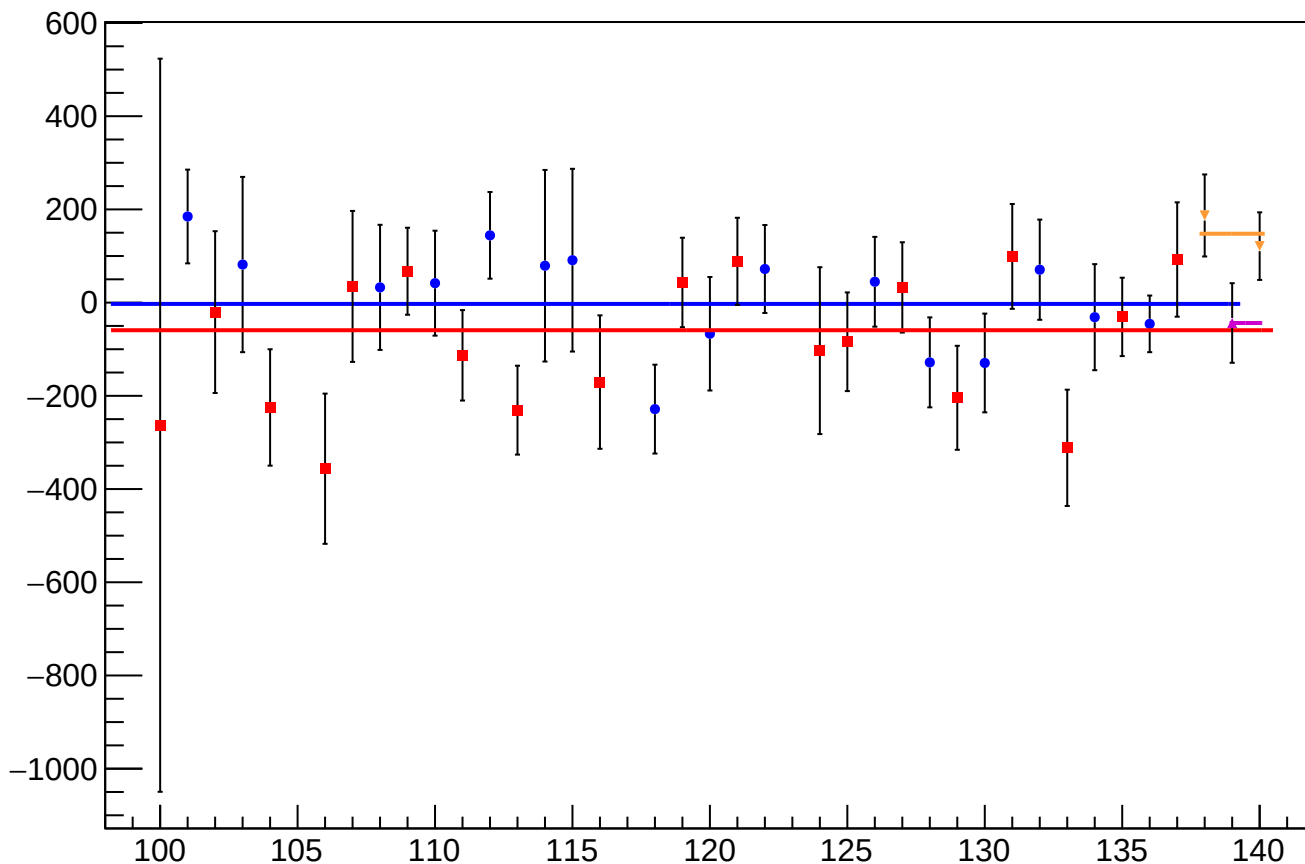
Left In: 742.310+/-0.572 χ^2/NDF : 0.0/0

+ sign 788.928+/-0.196 χ^2/NDF : 1307246.8/17

All: 841.586+/-0.149 χ^2/NDF : 1989690.0/37

- sign 913.428+/-0.229 χ^2/NDF : 511952.9/19

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 147.816 ± 55.955 χ^2/NDF : 0.3/1

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

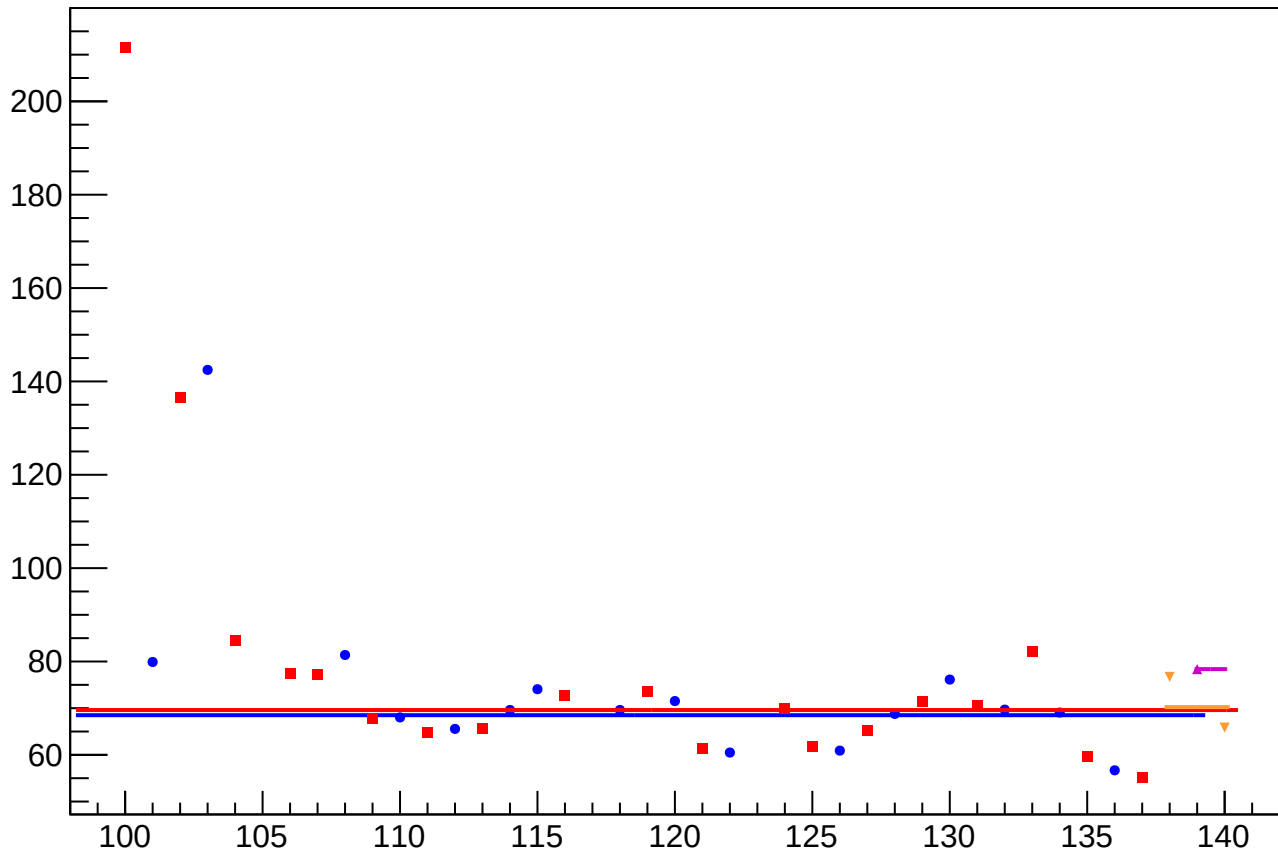
Left In: -43.715 ± 85.412 χ^2/NDF : 0.0/0

+ sign 24.328 ± 23.737 χ^2/NDF : 24.0/17

All: -14.306 ± 17.281 χ^2/NDF : 55.3/37

- sign -57.875 ± 25.208 χ^2/NDF : 25.7/19

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2 /NDF: 471868.0/15

Left Out: 70.229+/-0.040 χ^2 /NDF:18184.4/1

Right Out: 69.600+/-0.019 χ^2 /NDF: 519788.9/18

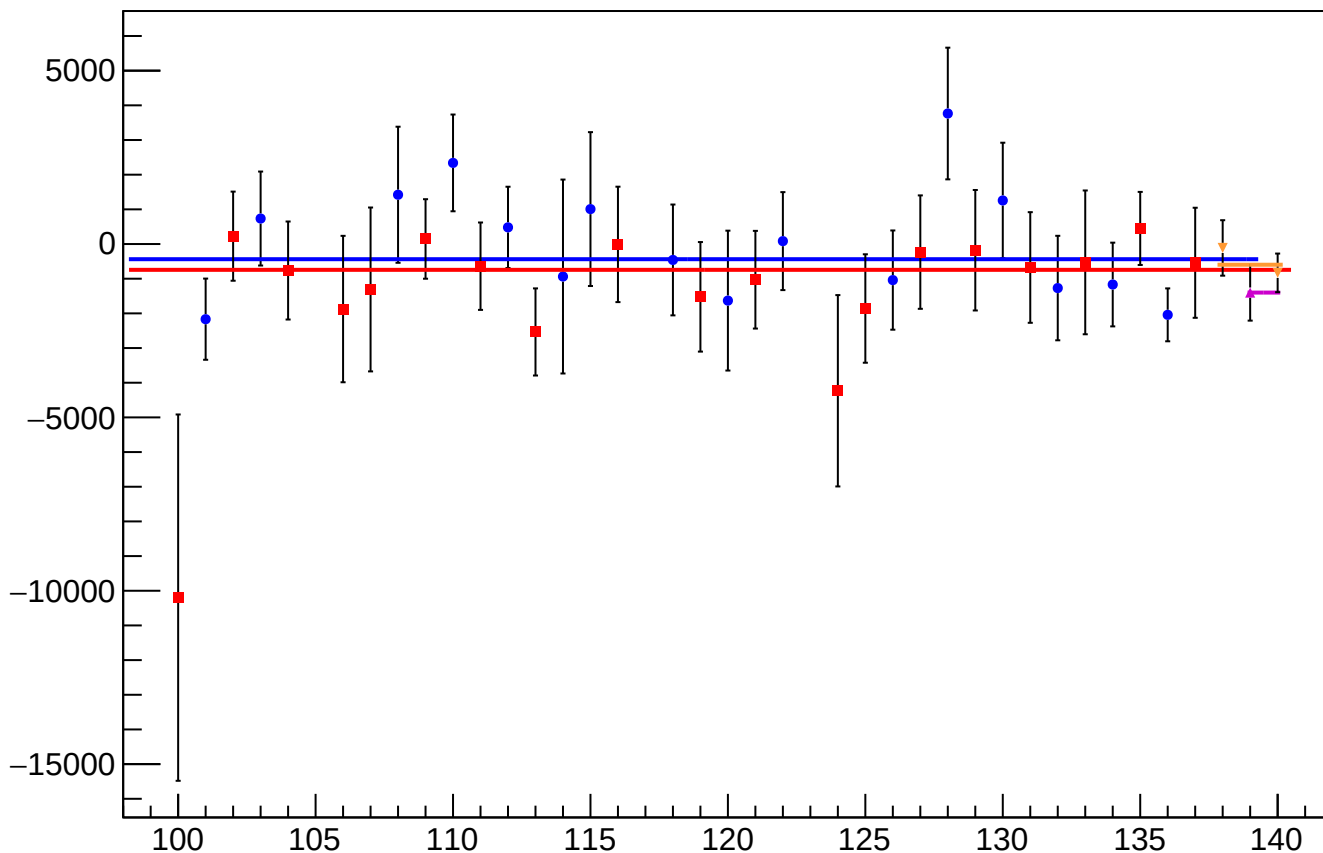
Left In: 78.371+/-0.060 χ^2 /NDF:0.0/0

+ sign 68.810+/-0.017 χ^2 /NDF: 491620.0/17

All: 69.540+/-0.012 χ^2 /NDF: 1034690.2/37

- sign 70.364+/-0.018 χ^2 /NDF: 539039.1/19

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -437.415+/-348.881 χ^2/NDF : 20.6/15

Left Out: -597.093+/-457.052 χ^2/NDF : 0.5/1

Right Out: -744.388+/-353.488 χ^2/NDF : 10.9/18

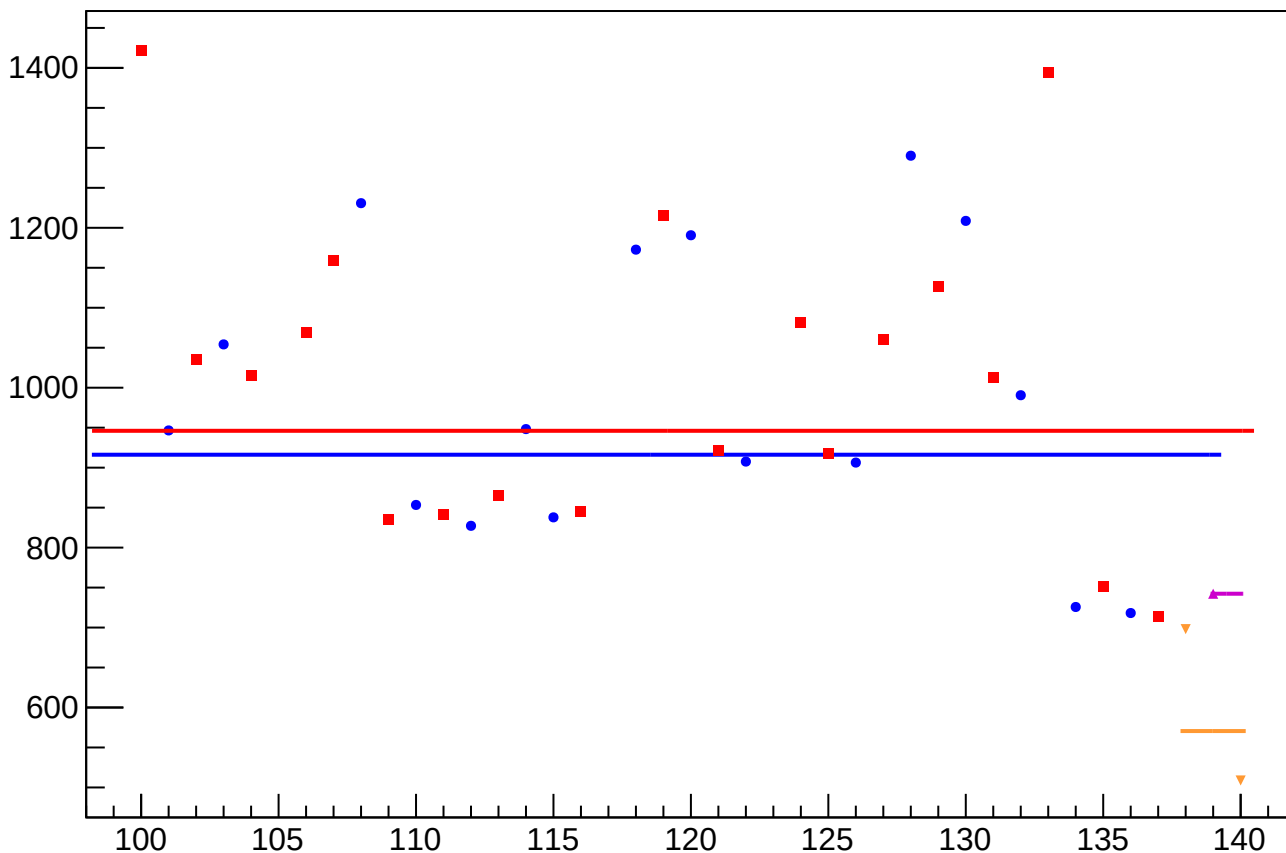
Left In: -1400.230+/-809.070 χ^2/NDF : 0.0/0

+ sign -496.202+/-277.321 χ^2/NDF : 21.2/17

All: -645.637+/-210.662 χ^2/NDF : 33.3/37

- sign -849.513+/-323.921 χ^2/NDF : 11.4/19

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 916.174 $\pm$ 0.247 χ^2 /NDF: 509149.2/15

Left Out: 570.545 $\pm$ 0.323 χ^2 /NDF: 75446.7/1

Right Out: 946.093 $\pm$ 0.250 χ^2 /NDF: 405411.3/18

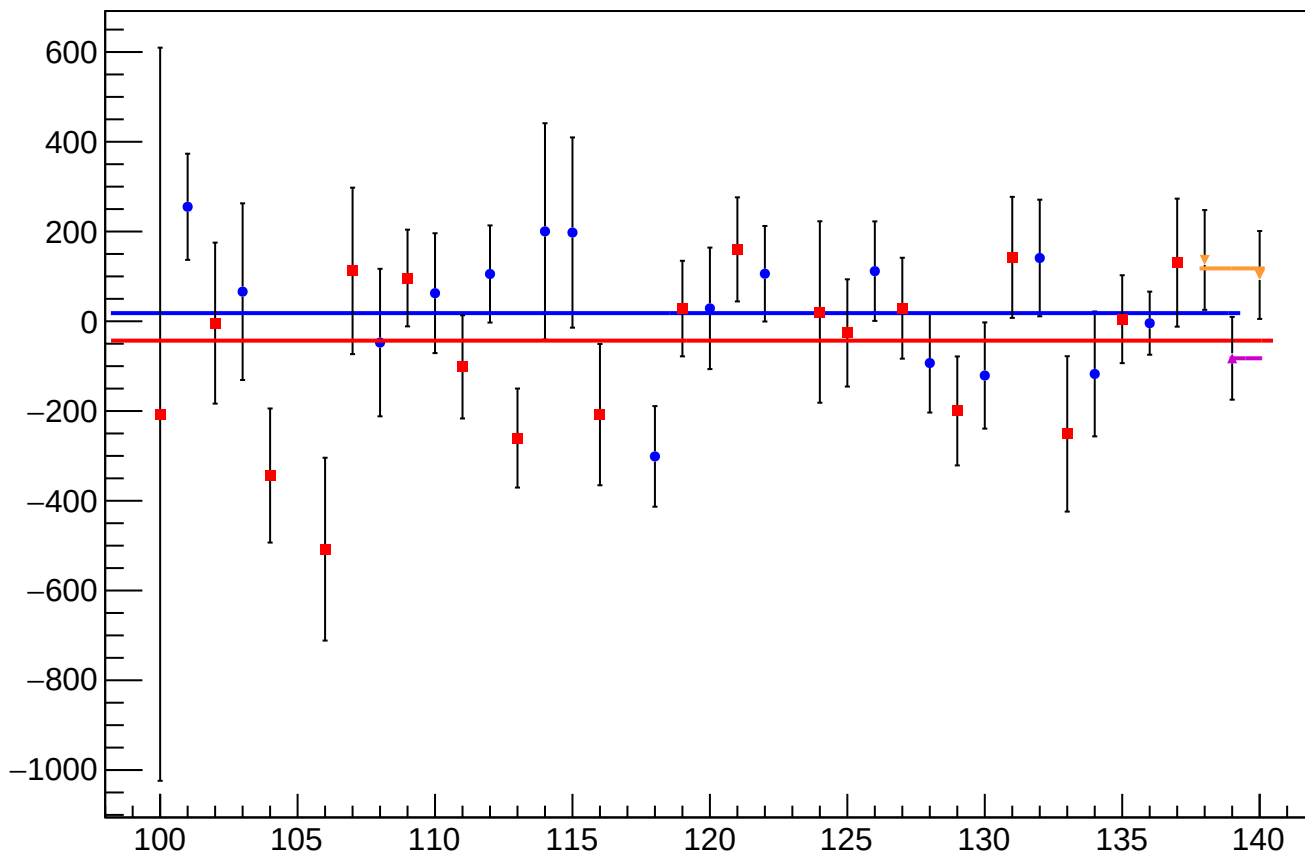
Left In: 742.310 $\pm$ 0.572 χ^2 /NDF: 0.0/0

+ sign 788.928 $\pm$ 0.196 χ^2 /NDF: 1307246.8/17

All: 841.586 $\pm$ 0.149 χ^2 /NDF: 1989690.0/37

- sign 913.428 $\pm$ 0.229 χ^2 /NDF: 511952.9/19

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175 $\pm$ 30.346 χ^2 /NDF: 20.1/15

Left Out: 117.794 $\pm$ 73.478 χ^2 /NDF: 0.1/1

Right Out: -43.146 $\pm$ 30.707 χ^2 /NDF: 27.7/18

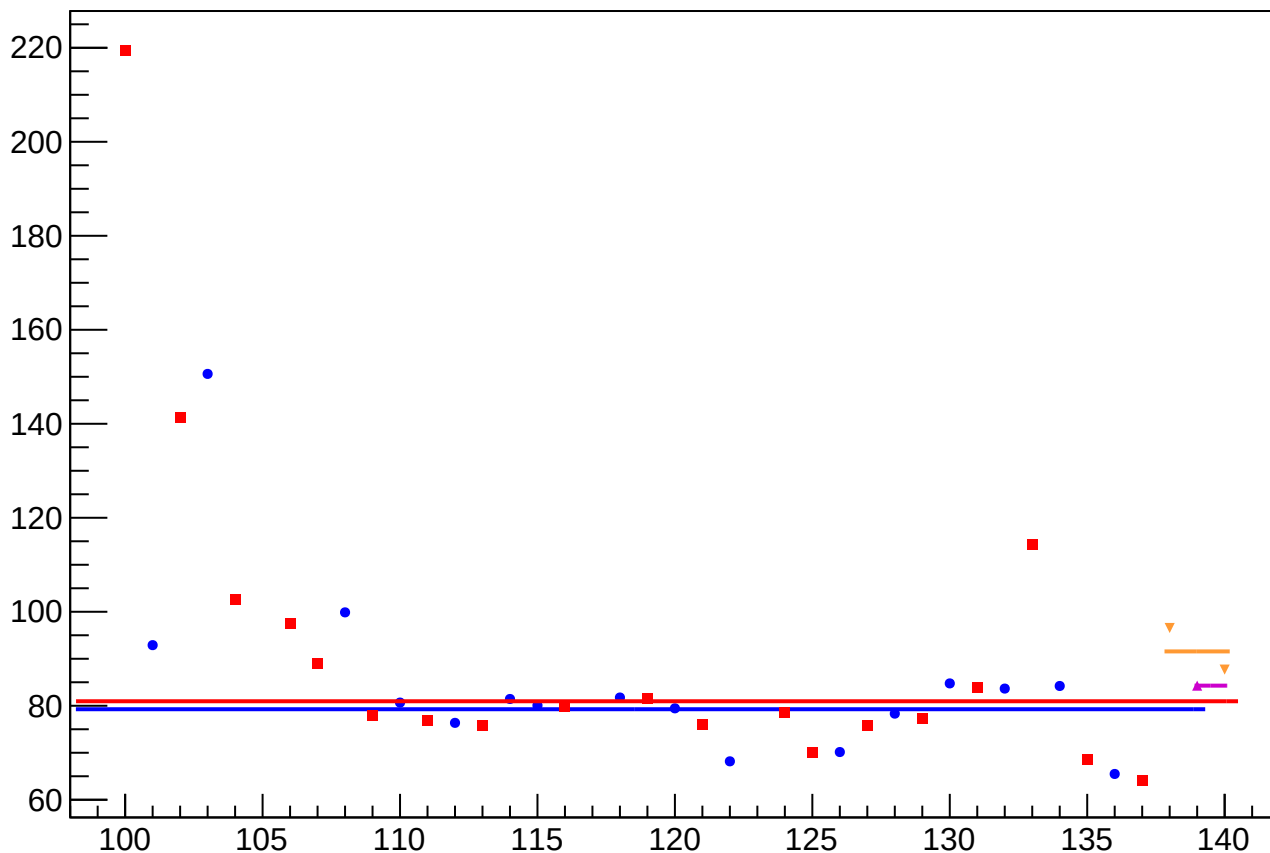
Left In: -82.477 $\pm$ 92.270 χ^2 /NDF: 0.0/0

+ sign 32.691 $\pm$ 28.048 χ^2 /NDF: 21.8/17

All: -5.672 $\pm$ 20.207 χ^2 /NDF: 53.5/37

- sign -47.067 $\pm$ 29.136 χ^2 /NDF: 27.9/19

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF : 444951.1/15

Left Out: 91.564+/-0.052 χ^2/NDF : 7147.9/1

Right Out: 80.958+/-0.022 χ^2/NDF : 514182.4/18

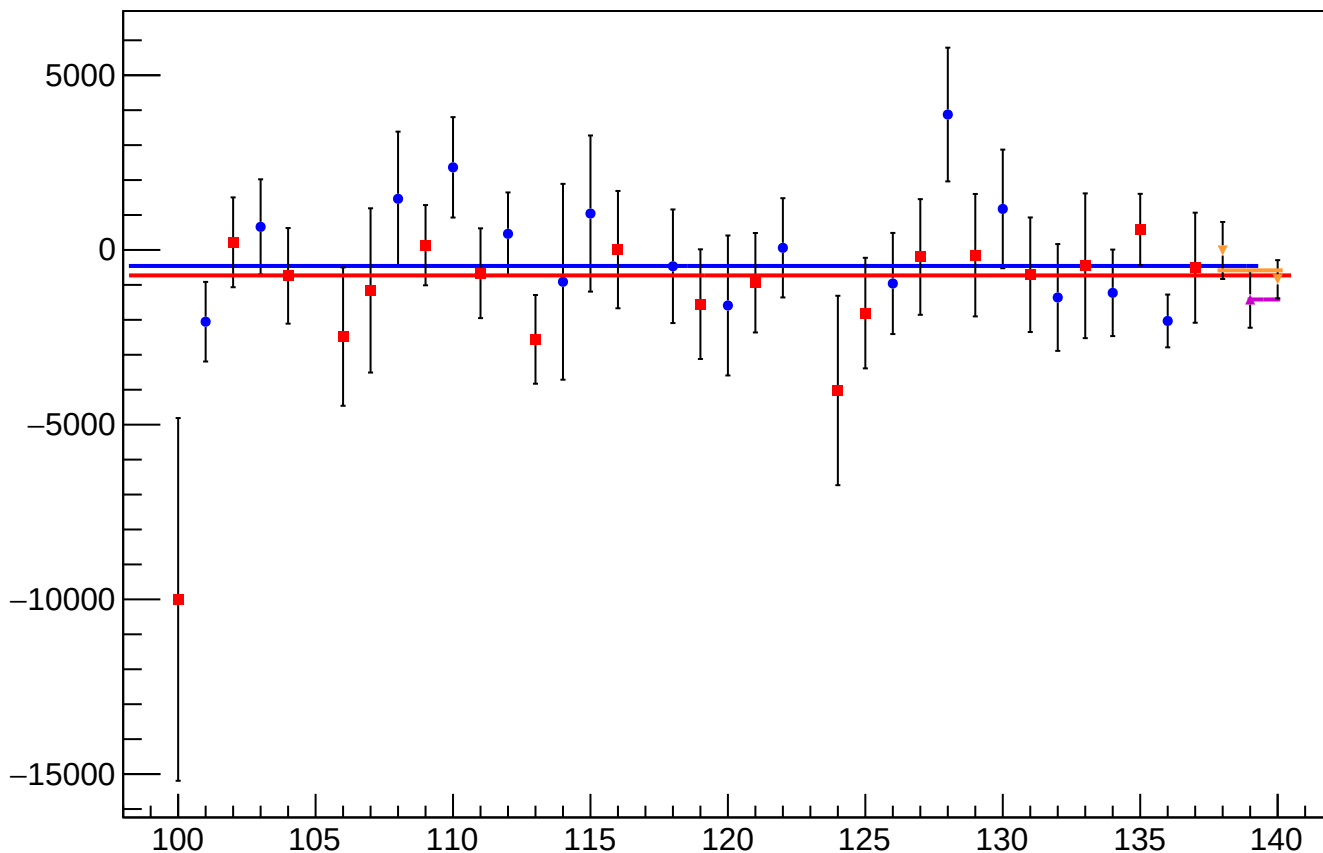
Left In: 84.281+/-0.065 χ^2/NDF : 0.0/0

+ sign 81.055+/-0.020 χ^2/NDF : 499984.1/17

All: 81.168+/-0.014 χ^2/NDF : 1016568.4/37

- sign 81.290+/-0.021 χ^2/NDF : 516517.3/19

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -458.108+/-350.075 χ^2/NDF : 20.3/15

Left Out: -583.394+/-454.794 χ^2/NDF : 0.7/1

Right Out: -728.750+/-352.574 χ^2/NDF : 11.5/18

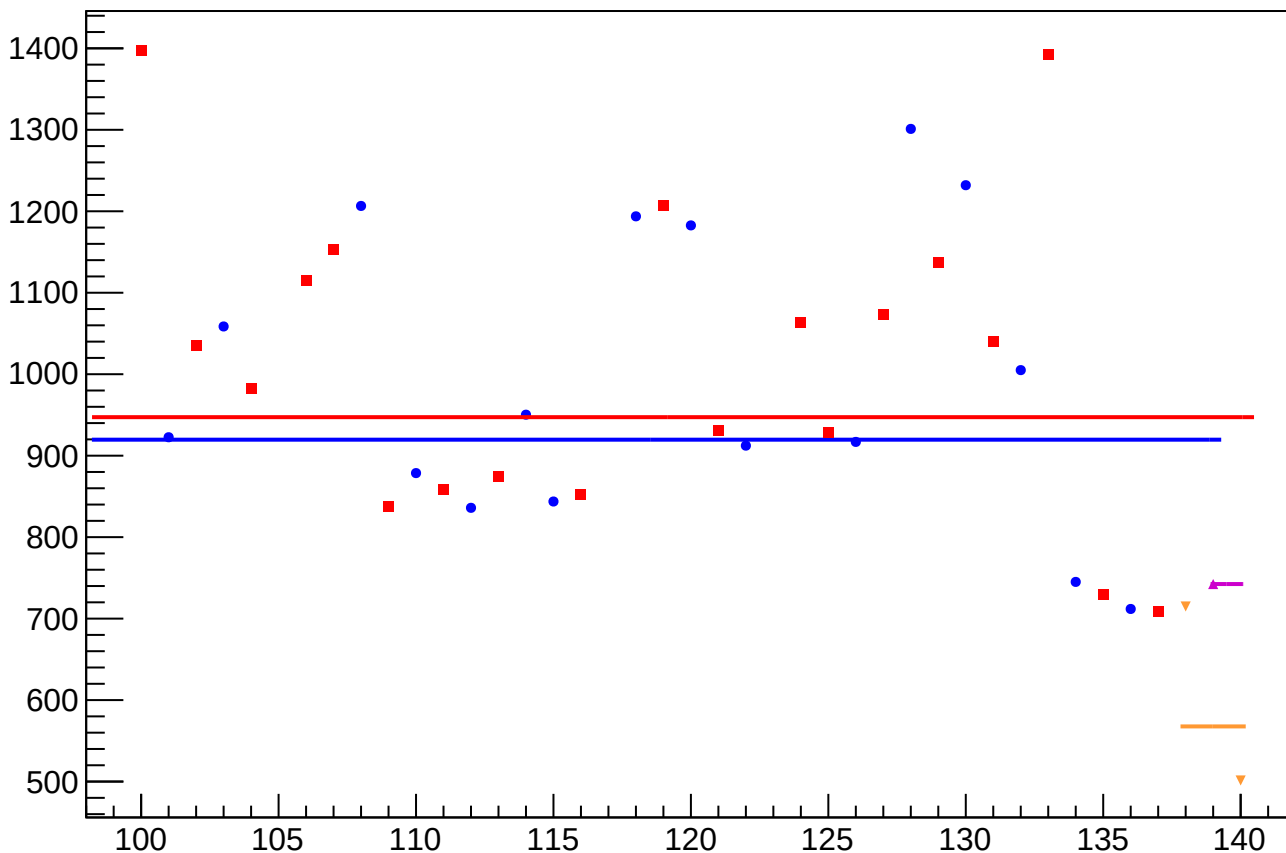
Left In: -1417.005+/-809.602 χ^2/NDF : 0.0/0

+ sign -504.722+/-277.409 χ^2/NDF : 21.0/17

All: -646.272+/-210.516 χ^2/NDF : 33.8/37

- sign -838.470+/-323.251 χ^2/NDF : 12.1/19

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638 $\pm$ 0.248 χ^2 /NDF: 515443.8/15

Left Out: 567.675 $\pm$ 0.322 χ^2 /NDF:94459.3/1

Right Out: 947.272 $\pm$ 0.249 χ^2 /NDF: 425563.8/18

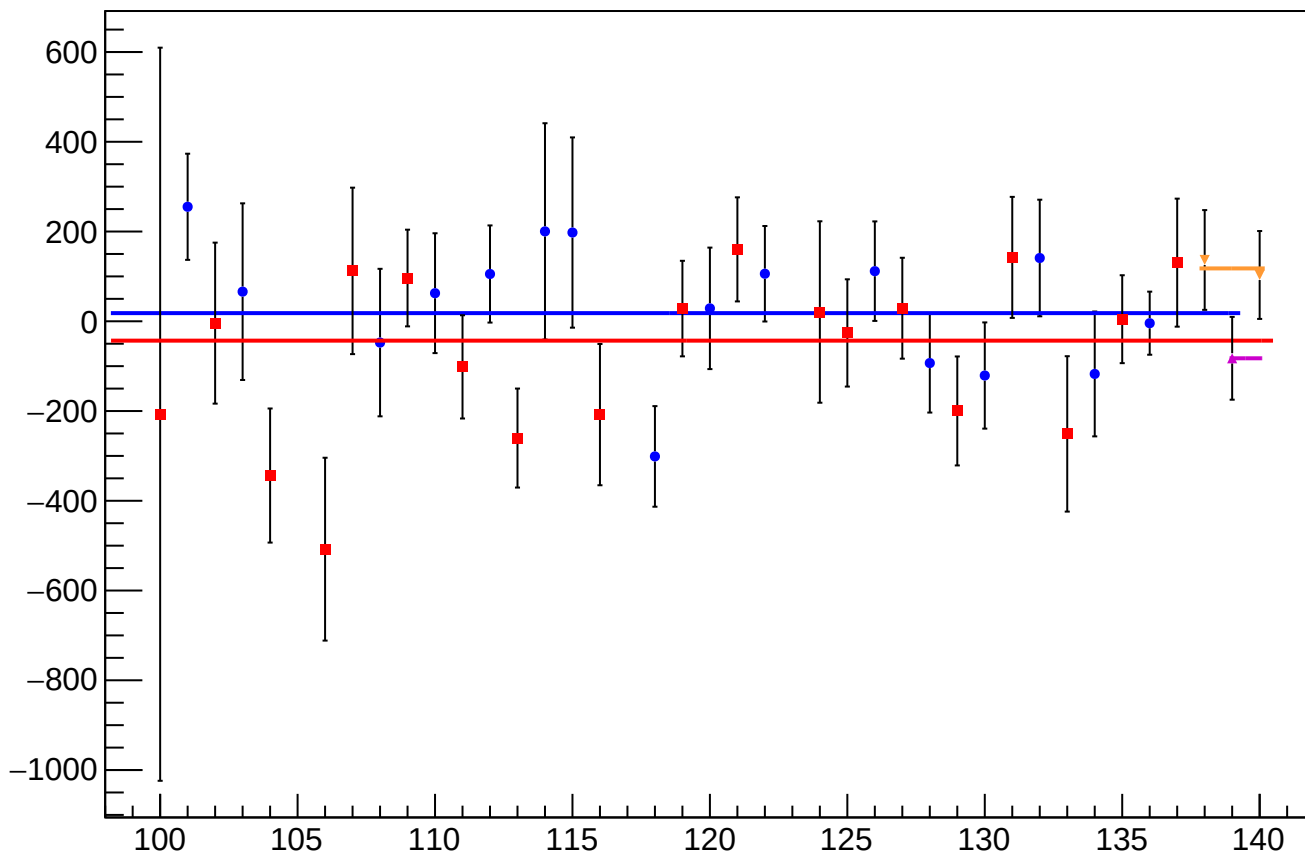
Left In: 742.439 $\pm$ 0.572 χ^2 /NDF:0.0/0

+ sign 788.687 $\pm$ 0.196 χ^2 /NDF: 1362070.1/17

All: 842.097 $\pm$ 0.149 χ^2 /NDF: 2070048.1/37

- sign 914.618 $\pm$ 0.229 χ^2 /NDF: 533177.4/19

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175 $\pm$ 30.346 χ^2 /NDF: 20.1/15

Left Out: 117.794 $\pm$ 73.479 χ^2 /NDF: 0.1/1

Right Out: -43.144 $\pm$ 30.707 χ^2 /NDF: 27.7/18

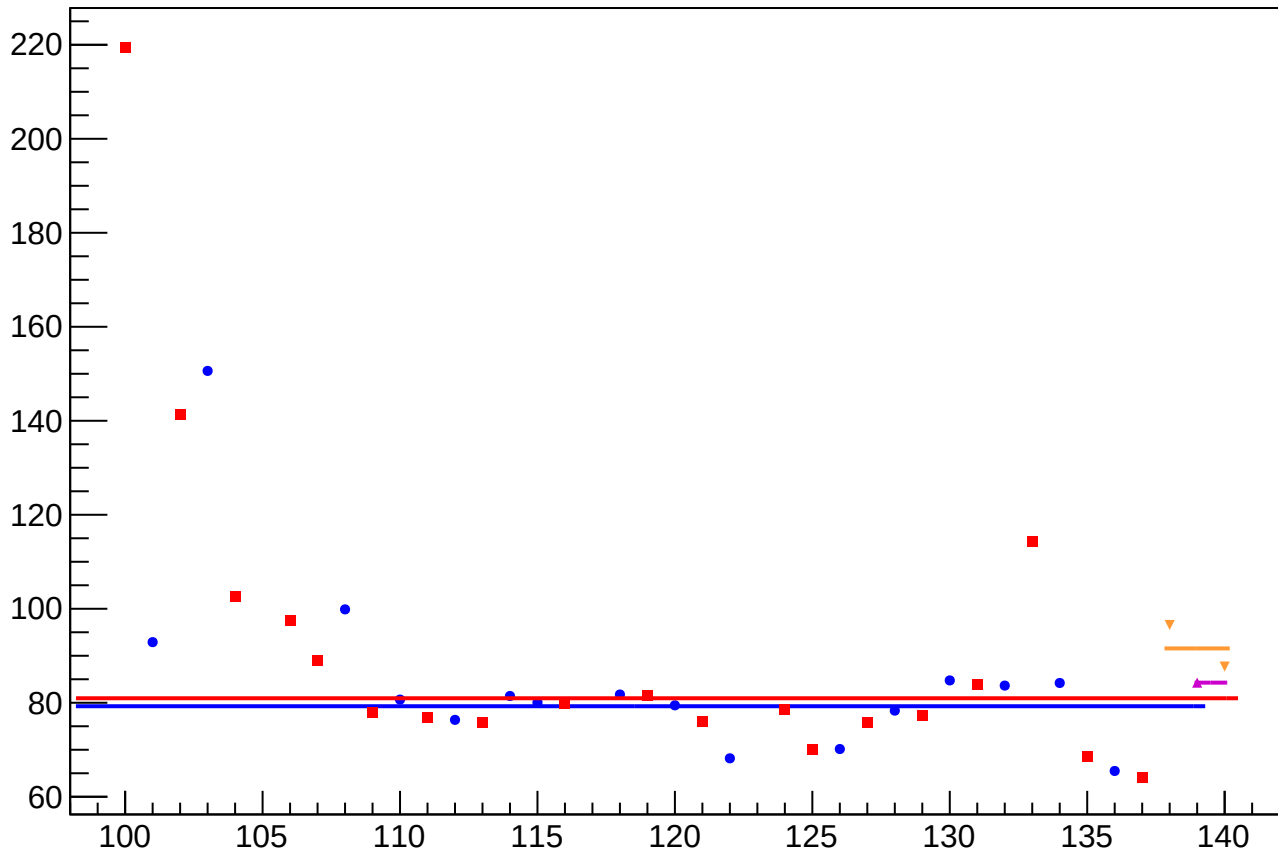
Left In: -82.475 $\pm$ 92.270 χ^2 /NDF: 0.0/0

+ sign 32.691 $\pm$ 28.048 χ^2 /NDF: 21.8/17

All: -5.671 $\pm$ 20.207 χ^2 /NDF: 53.5/37

- sign -47.065 $\pm$ 29.136 χ^2 /NDF: 27.9/19

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF : 444948.4/15

Left Out: 91.564+/-0.052 χ^2/NDF : 7146.8/1

Right Out: 80.958+/-0.022 χ^2/NDF : 514191.2/18

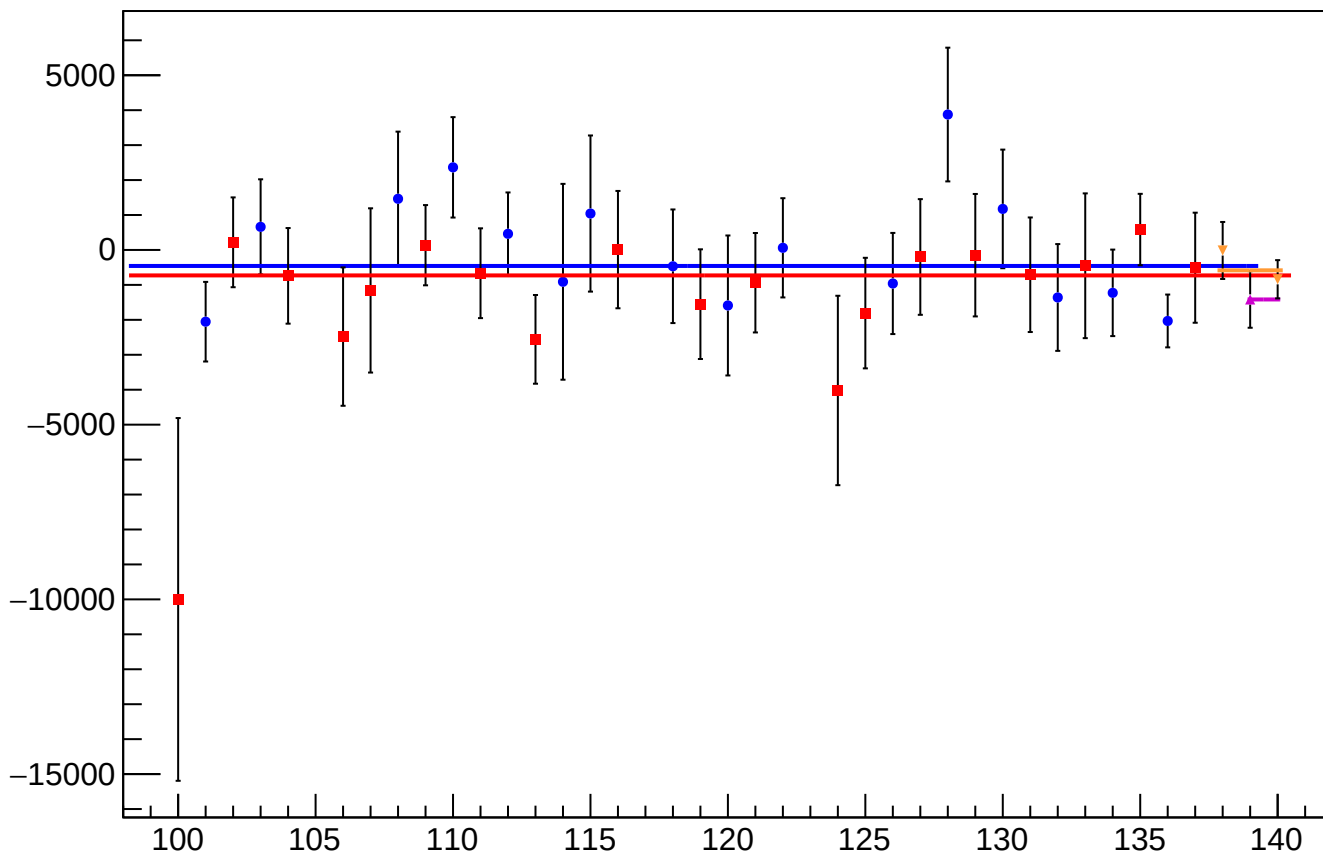
Left In: 84.281+/-0.065 χ^2/NDF : 0.0/0

+ sign 81.055+/-0.020 χ^2/NDF : 499983.1/17

All: 81.168+/-0.014 χ^2/NDF : 1016576.6/37

- sign 81.289+/-0.021 χ^2/NDF : 516526.4/19

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -458.104+/-350.074 χ^2/NDF : 20.3/15

Left Out: -583.394+/-454.793 χ^2/NDF : 0.7/1

Right Out: -728.749+/-352.573 χ^2/NDF : 11.5/18

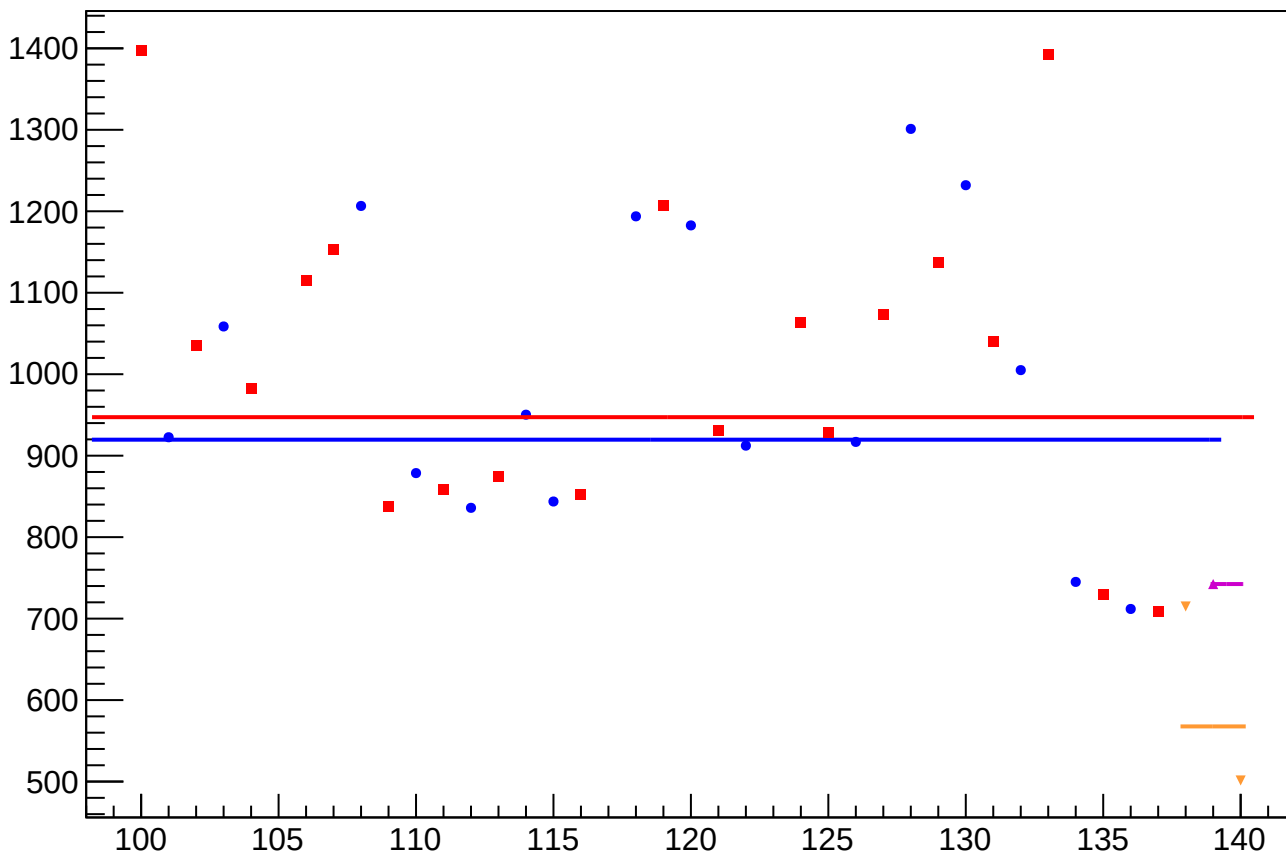
Left In: -1417.004+/-809.600 χ^2/NDF : 0.0/0

+ sign -504.719+/-277.408 χ^2/NDF : 21.0/17

All: -646.270+/-210.516 χ^2/NDF : 33.8/37

- sign -838.469+/-323.250 χ^2/NDF : 12.1/19

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 919.636+/-0.248 χ^2/NDF : 515443.9/15

Left Out: 567.674+/-0.322 χ^2/NDF : 94459.0/1

Right Out: 947.270+/-0.249 χ^2/NDF : 425565.2/18

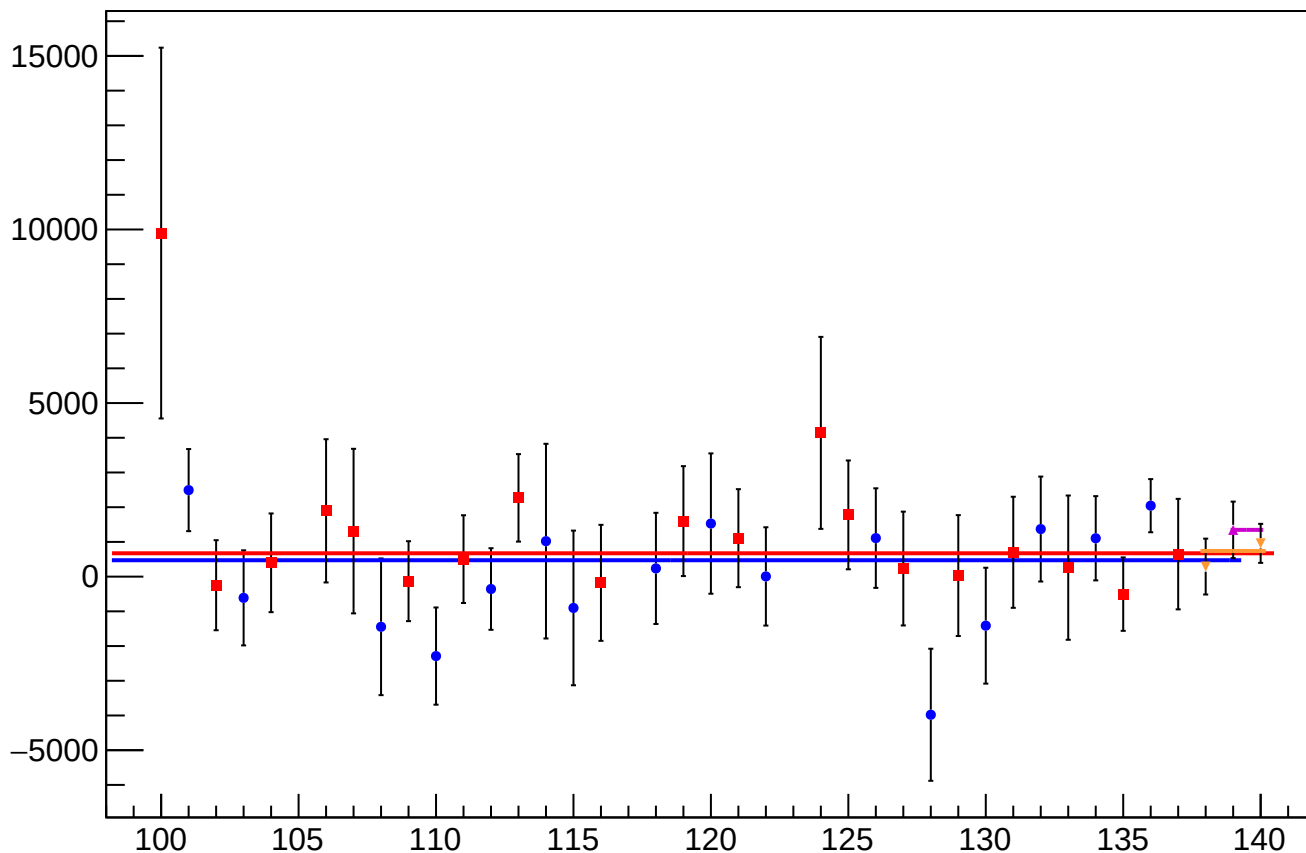
Left In: 742.438+/-0.572 χ^2/NDF : 0.0/0

+ sign 788.686+/-0.196 χ^2/NDF : 1362069.6/17

All: 842.096+/-0.149 χ^2/NDF : 2070048.3/37

- sign 914.616+/-0.229 χ^2/NDF : 533178.5/19

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF : 21.5/15

Left Out: 739.136+/-460.665 χ^2/NDF : 0.5/1

Right Out: 672.537+/-354.512 χ^2/NDF : 10.3/18

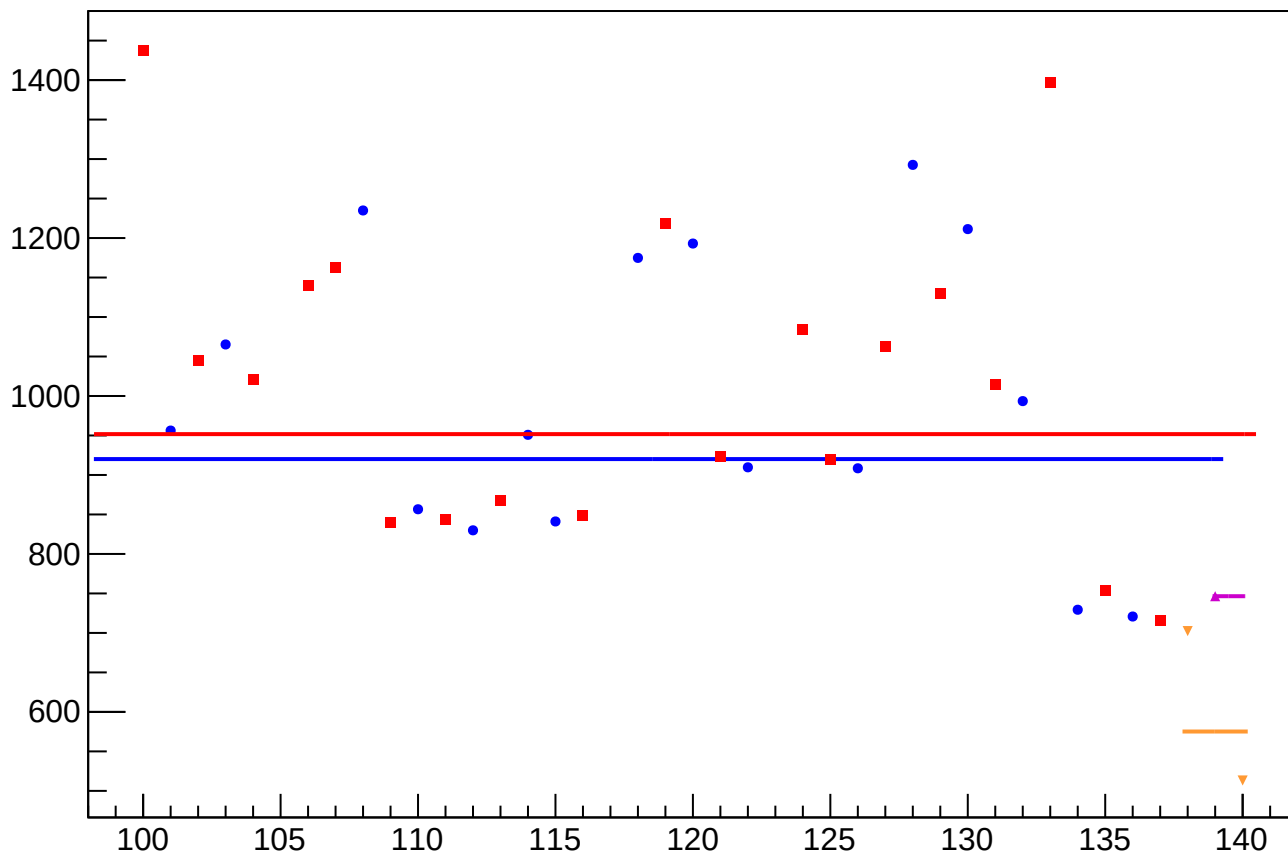
Left In: 1347.143+/-813.623 χ^2/NDF : 0.0/0

+ sign 569.910+/-278.877 χ^2/NDF : 22.2/17

All: 659.076+/-211.641 χ^2/NDF : 33.3/37

- sign 780.177+/-325.001 χ^2/NDF : 10.9/19

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF : 508678.6/15

Left Out: 575.160+/-0.326 χ^2/NDF : 74293.1/1

Right Out: 951.726+/-0.251 χ^2/NDF : 416116.3/18

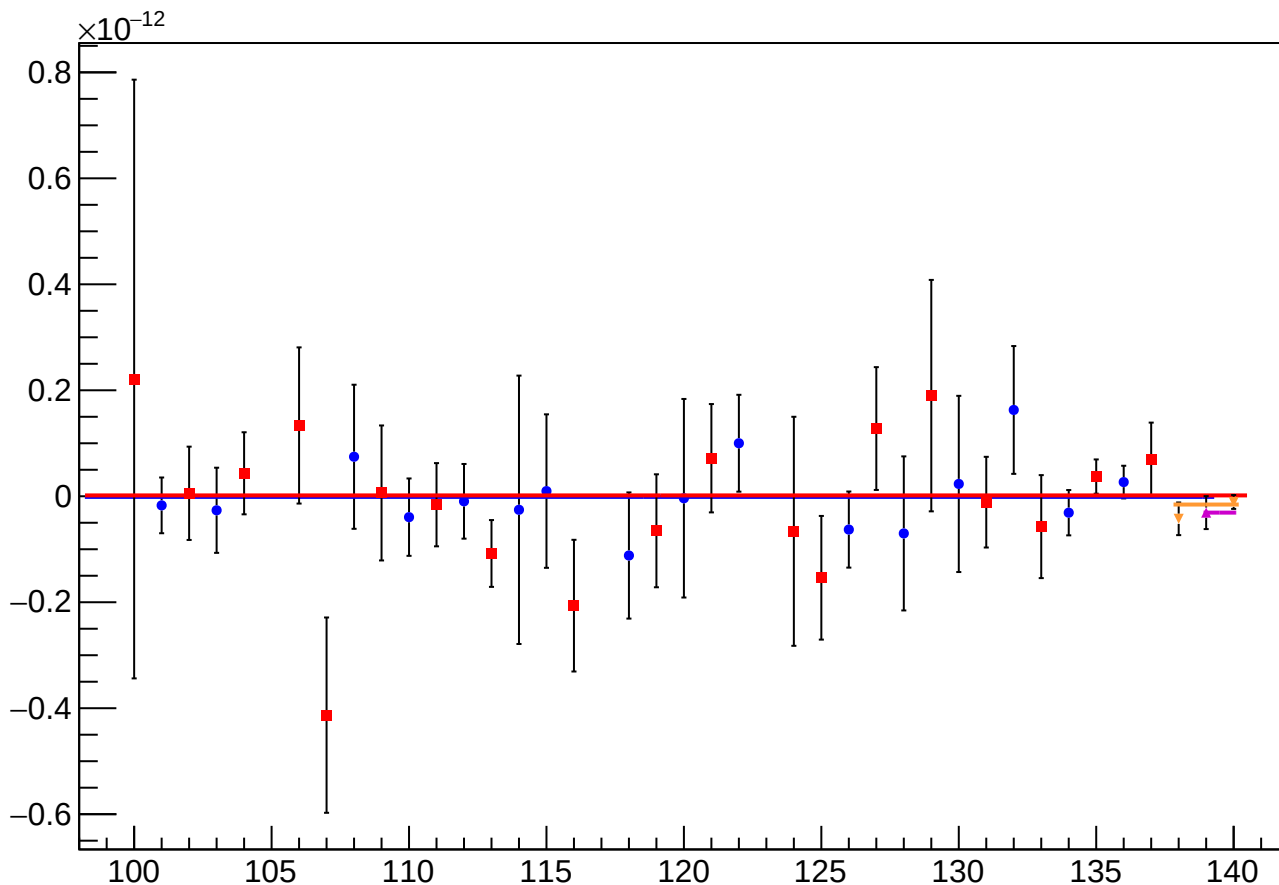
Left In: 746.501+/-0.575 χ^2/NDF : 0.0/0

+ sign 793.701+/-0.197 χ^2/NDF : 1293477.9/17

All: 846.828+/-0.150 χ^2/NDF : 1987694.6/37

- sign 918.981+/-0.230 χ^2/NDF : 523059.8/19

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 19.4/18

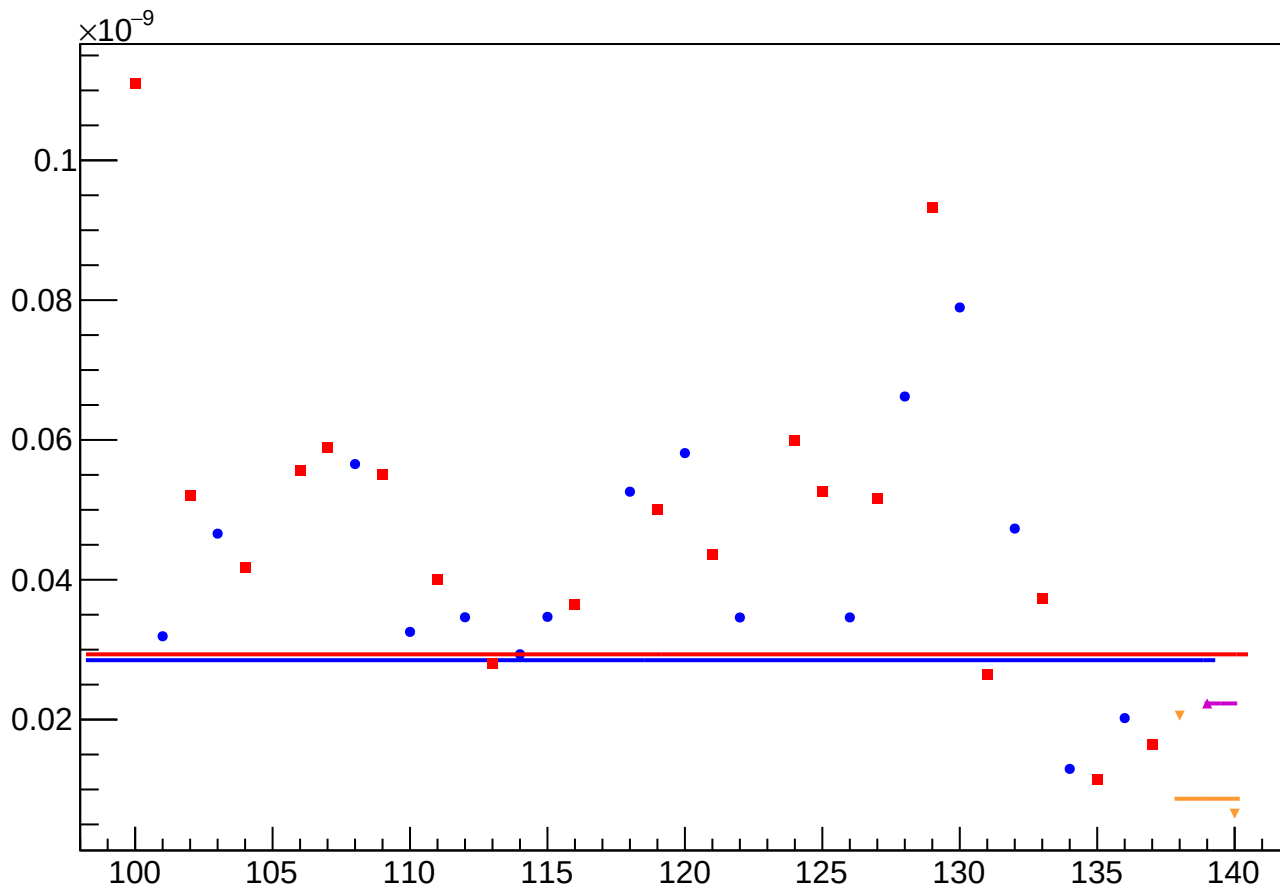
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 8.4/17

All: -0.000+/-0.000 χ^2/NDF : 28.6/37

- sign -0.000+/-0.000 χ^2/NDF : 20.2/19

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1152293.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:351148.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1645968.5/18

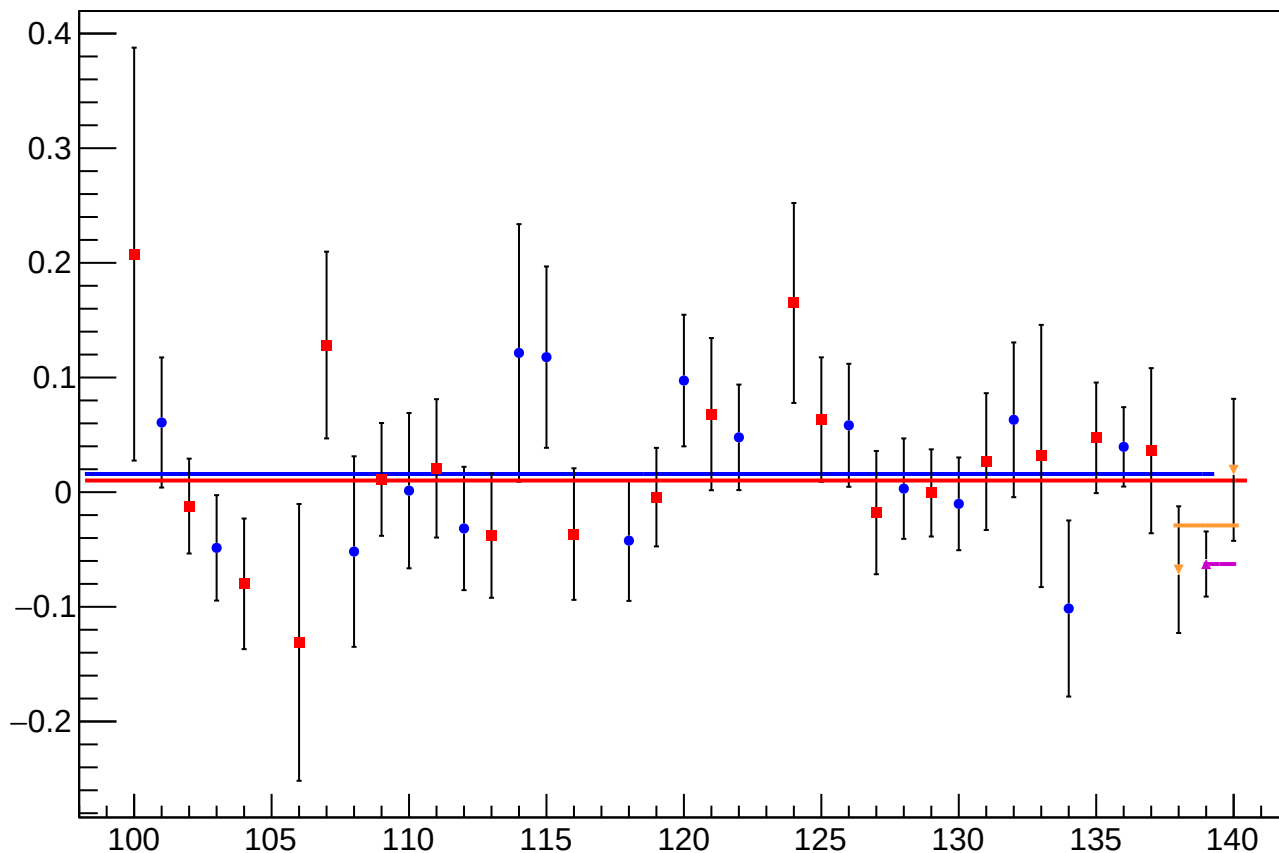
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3215183.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5777021.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1719907.4/19

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: -0.029 $\pm$ 0.041 χ^2 /NDF: 1.1/1

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

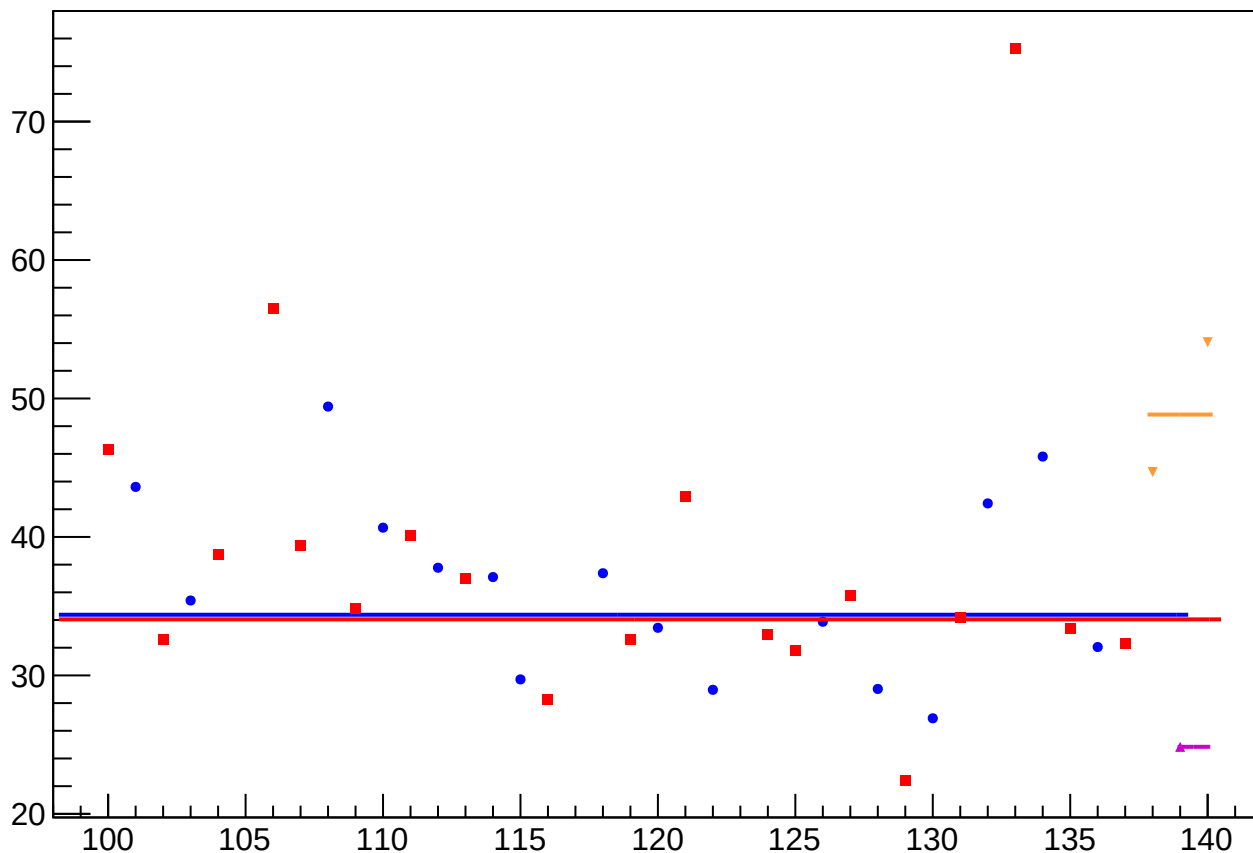
Left In: -0.063 $\pm$ 0.028 χ^2 /NDF: 0.0/0

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 38.1/37

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.5/19

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: 48.840+/-0.029 χ^2 /NDF: 25532.9/1

Right Out: 34.047+/-0.009 χ^2 /NDF: 642697.3/18

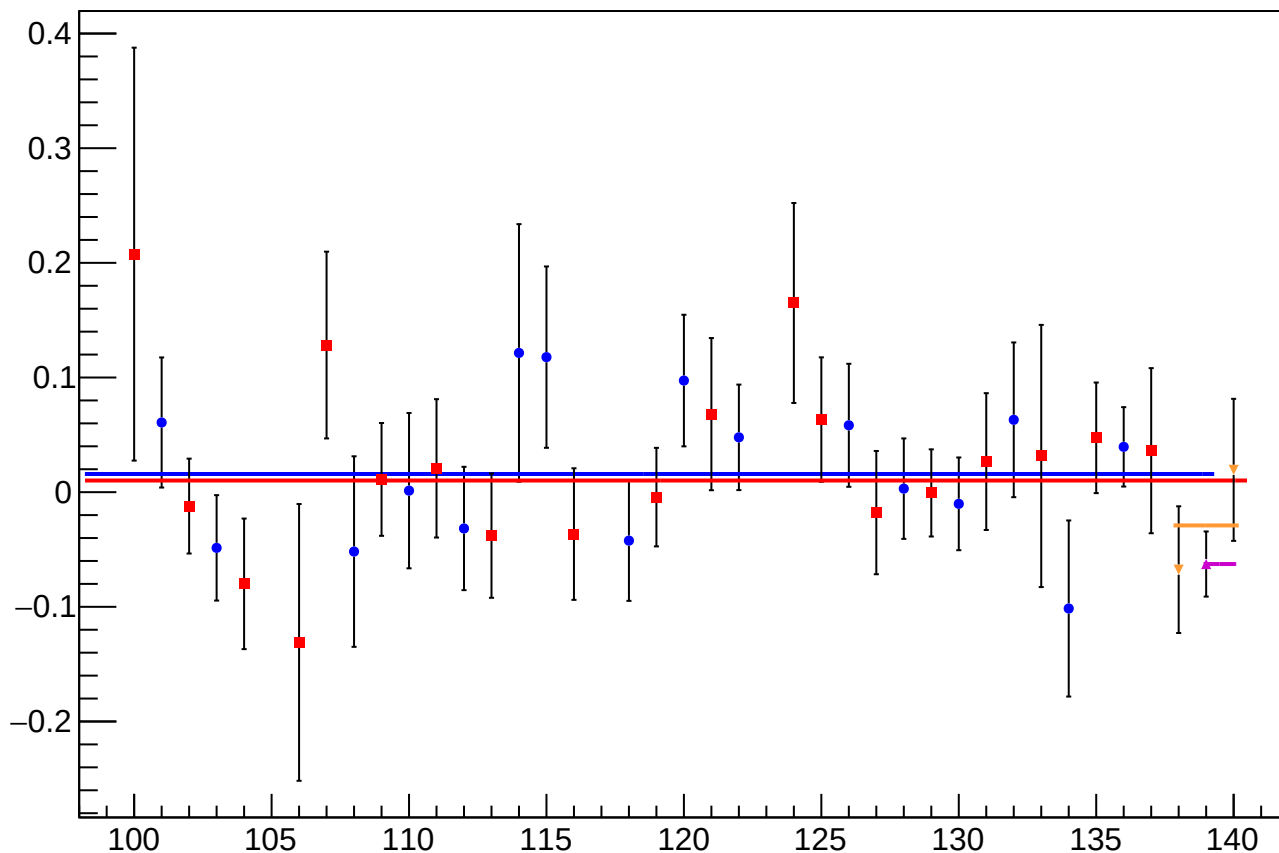
Left In: 24.842+/-0.020 χ^2 /NDF: 0.0/0

+ sign 35.762+/-0.009 χ^2 /NDF: 615889.8/17

All: 33.983+/-0.006 χ^2 /NDF: 1504858.8/37

- sign 32.410+/-0.008 χ^2 /NDF: 815464.3/19

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: -0.029 $\pm$ 0.041 χ^2 /NDF: 1.1/1

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

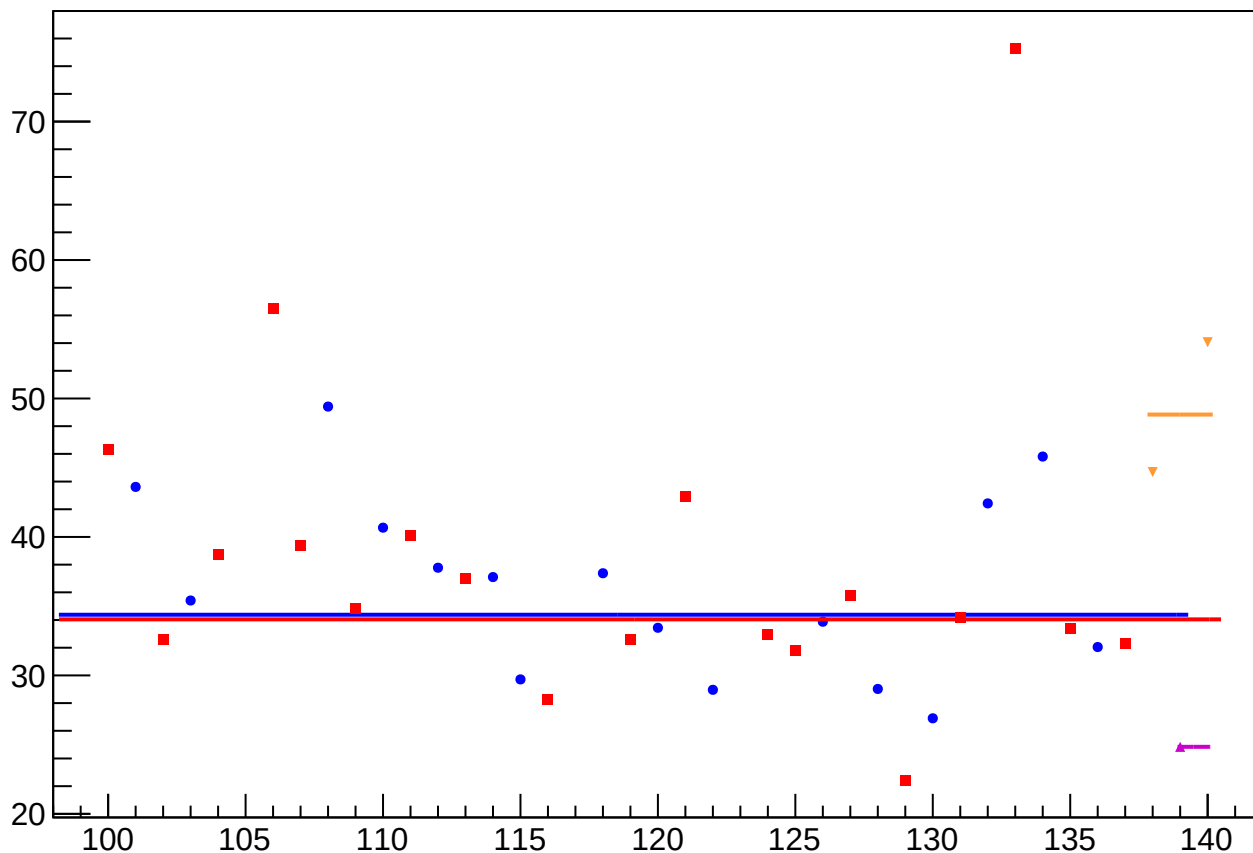
Left In: -0.063 $\pm$ 0.028 χ^2 /NDF: 0.0/0

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 38.1/37

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.5/19

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.382+/-0.009 χ^2 /NDF: 367883.0/15

Left Out: 48.840+/-0.029 χ^2 /NDF: 25532.9/1

Right Out: 34.047+/-0.009 χ^2 /NDF: 642697.3/18

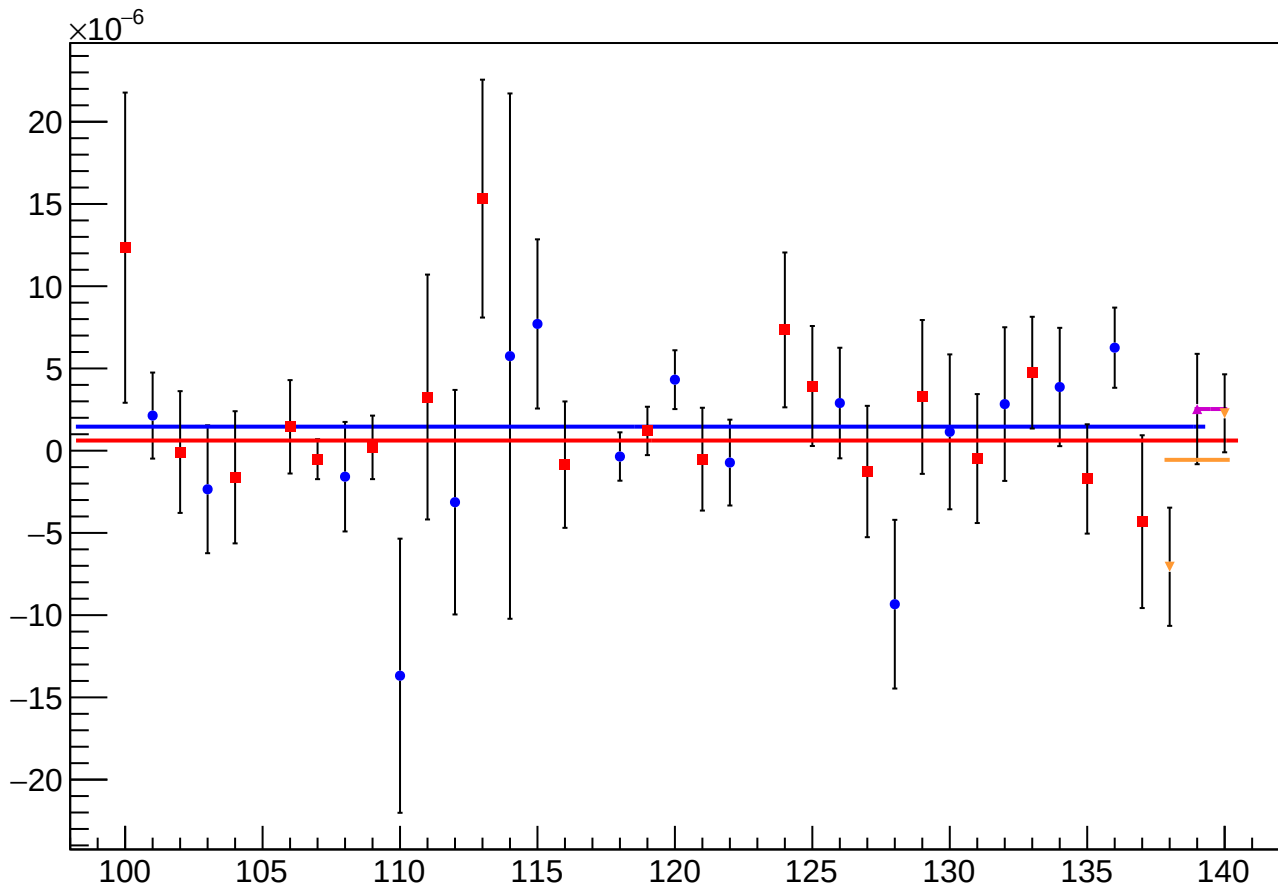
Left In: 24.842+/-0.020 χ^2 /NDF: 0.0/0

+ sign 35.762+/-0.009 χ^2 /NDF: 615889.8/17

All: 33.983+/-0.006 χ^2 /NDF: 1504858.8/37

- sign 32.410+/-0.008 χ^2 /NDF: 815464.3/19

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 4.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 13.9/18

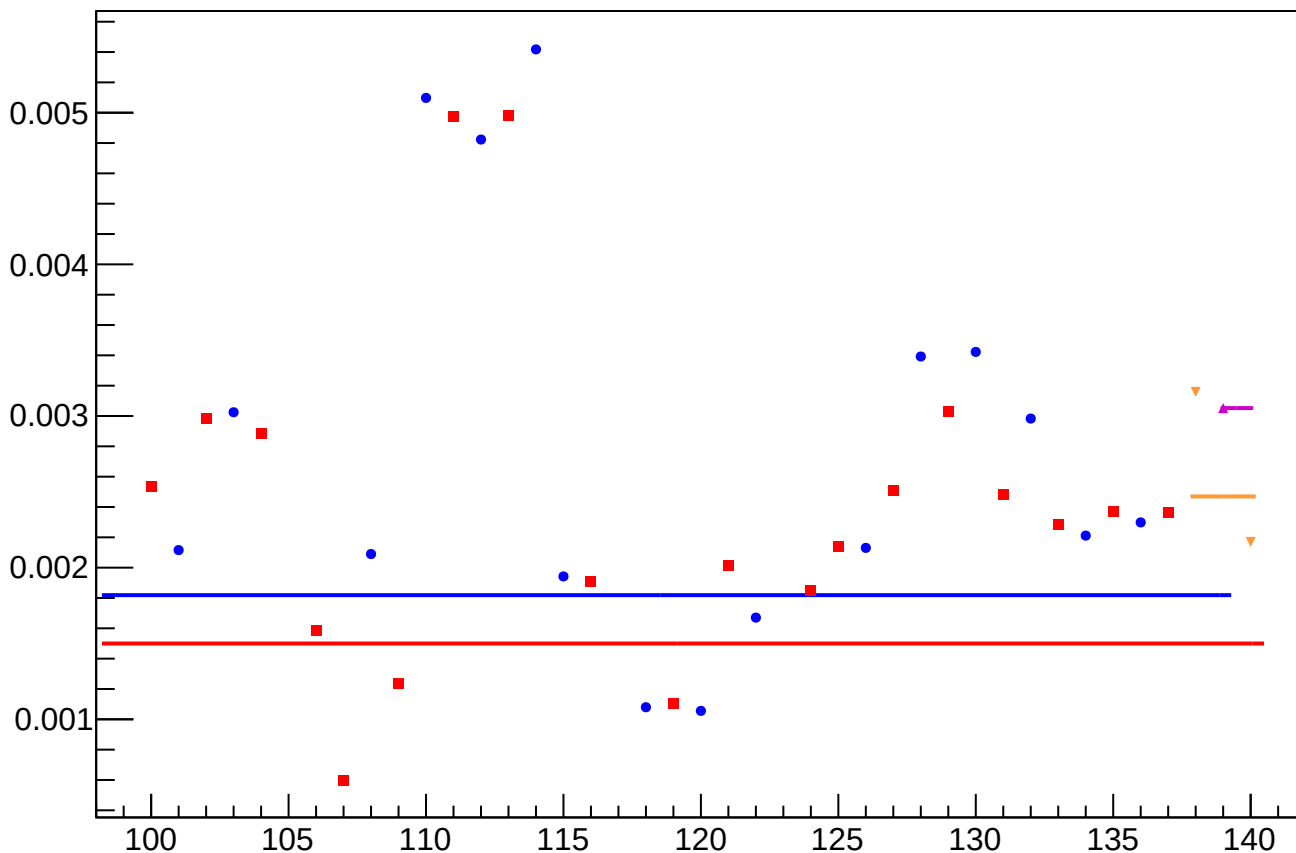
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 26.6/17

All: 0.000+/-0.000 χ^2/NDF : 41.1/37

- sign 0.000+/-0.000 χ^2/NDF : 14.3/19

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2570250.6/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:105654.9/1

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 3689451.2/18

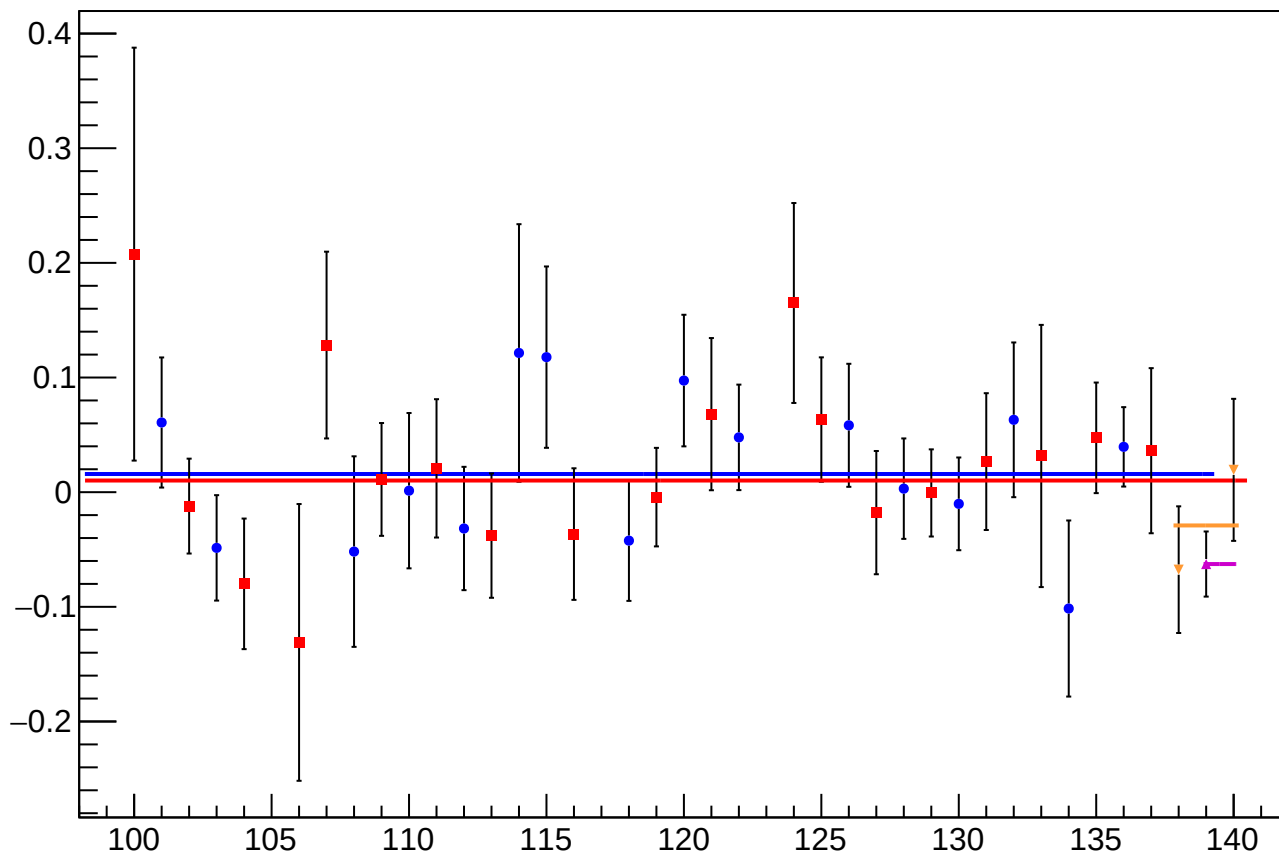
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2864827.9/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7233127.1/37

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4102294.4/19

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: -0.029 $\pm$ 0.041 χ^2 /NDF: 1.1/1

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

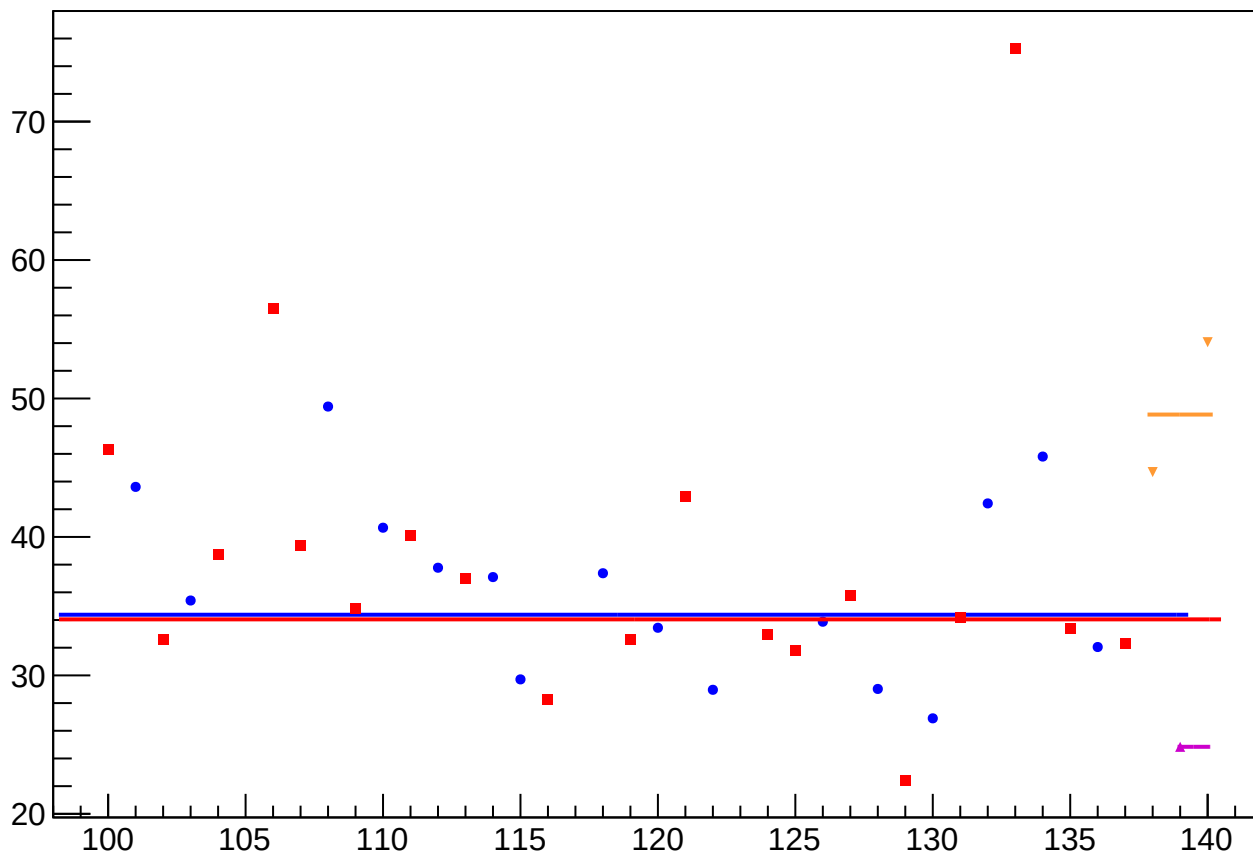
Left In: -0.063 $\pm$ 0.028 χ^2 /NDF: 0.0/0

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 38.1/37

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.5/19

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.381 $\pm$ 0.009 χ^2 /NDF: 367940.1/15

Left Out: 48.840 $\pm$ 0.029 χ^2 /NDF: 25538.2/1

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642741.5/18

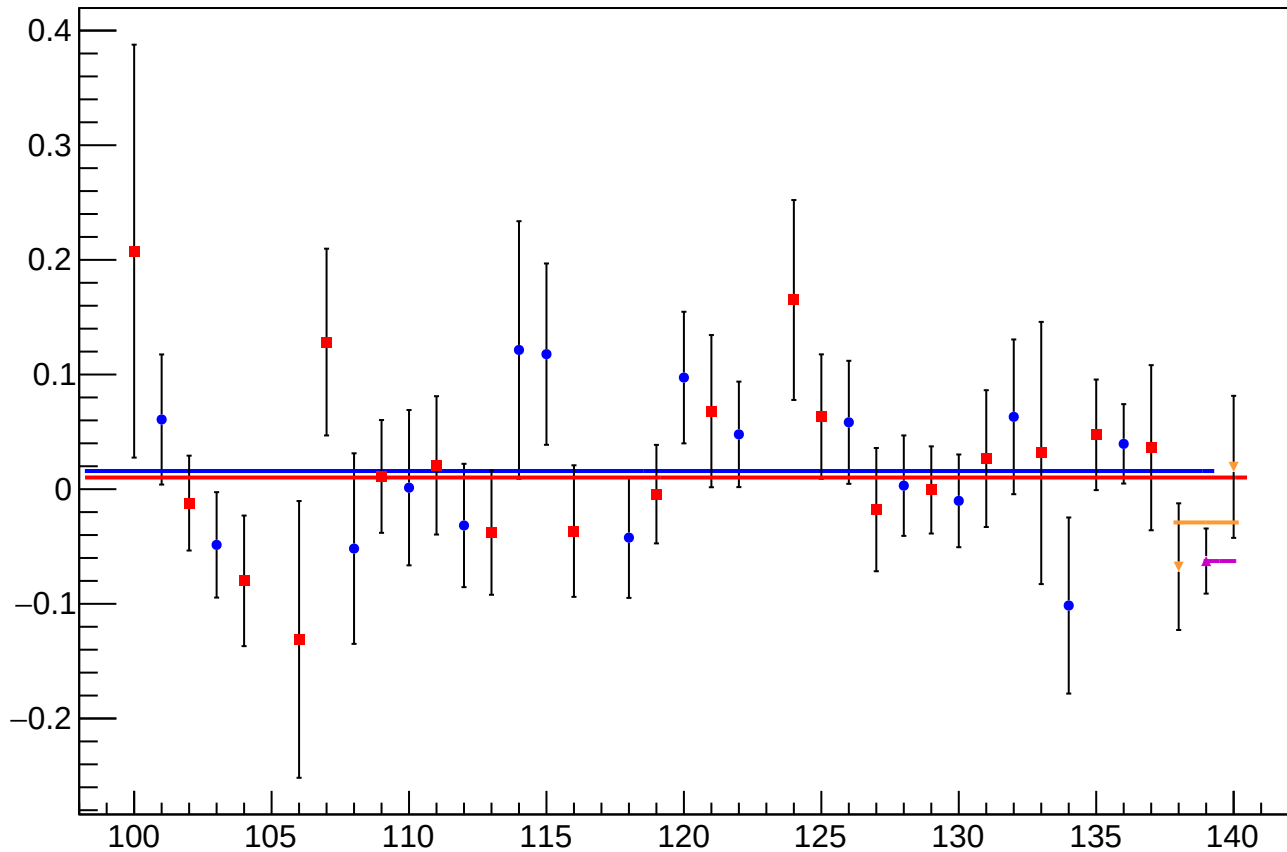
Left In: 24.843 $\pm$ 0.020 χ^2 /NDF: 0.0/0

+ sign 35.762 $\pm$ 0.009 χ^2 /NDF: 615975.3/17

All: 33.982 $\pm$ 0.006 χ^2 /NDF: 1504945.8/37

- sign 32.410 $\pm$ 0.008 χ^2 /NDF: 815481.0/19

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF : 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF : 1.1/1

Right Out: 0.010+/-0.013 χ^2/NDF : 15.1/18

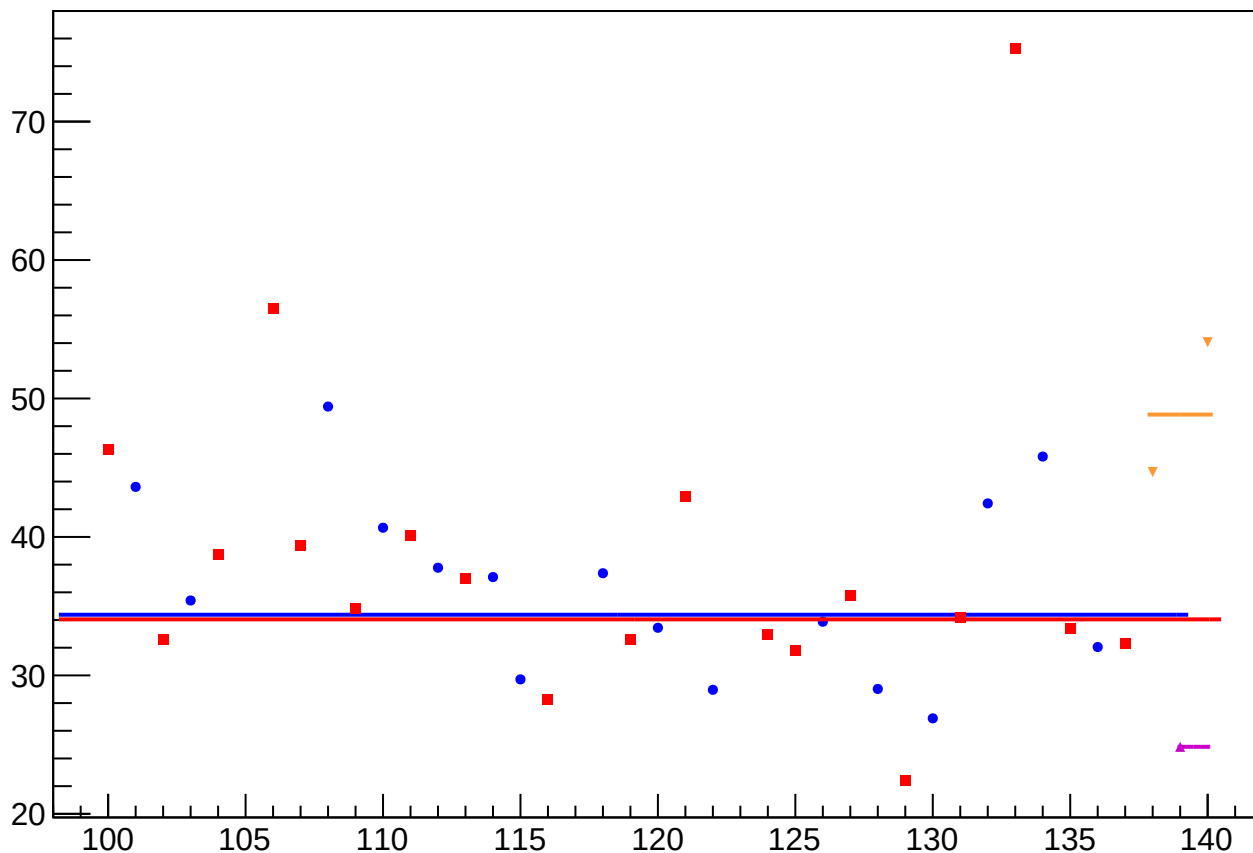
Left In: -0.063+/-0.028 χ^2/NDF : 0.0/0

+ sign 0.012+/-0.013 χ^2/NDF : 16.9/17

All: 0.004+/-0.009 χ^2/NDF : 38.1/37

- sign -0.003+/-0.012 χ^2/NDF : 20.5/19

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.381+/-0.009 χ^2/NDF : 367940.1/15

Left Out: 48.840+/-0.029 χ^2/NDF : 25538.2/1

Right Out: 34.047+/-0.009 χ^2/NDF : 642741.5/18

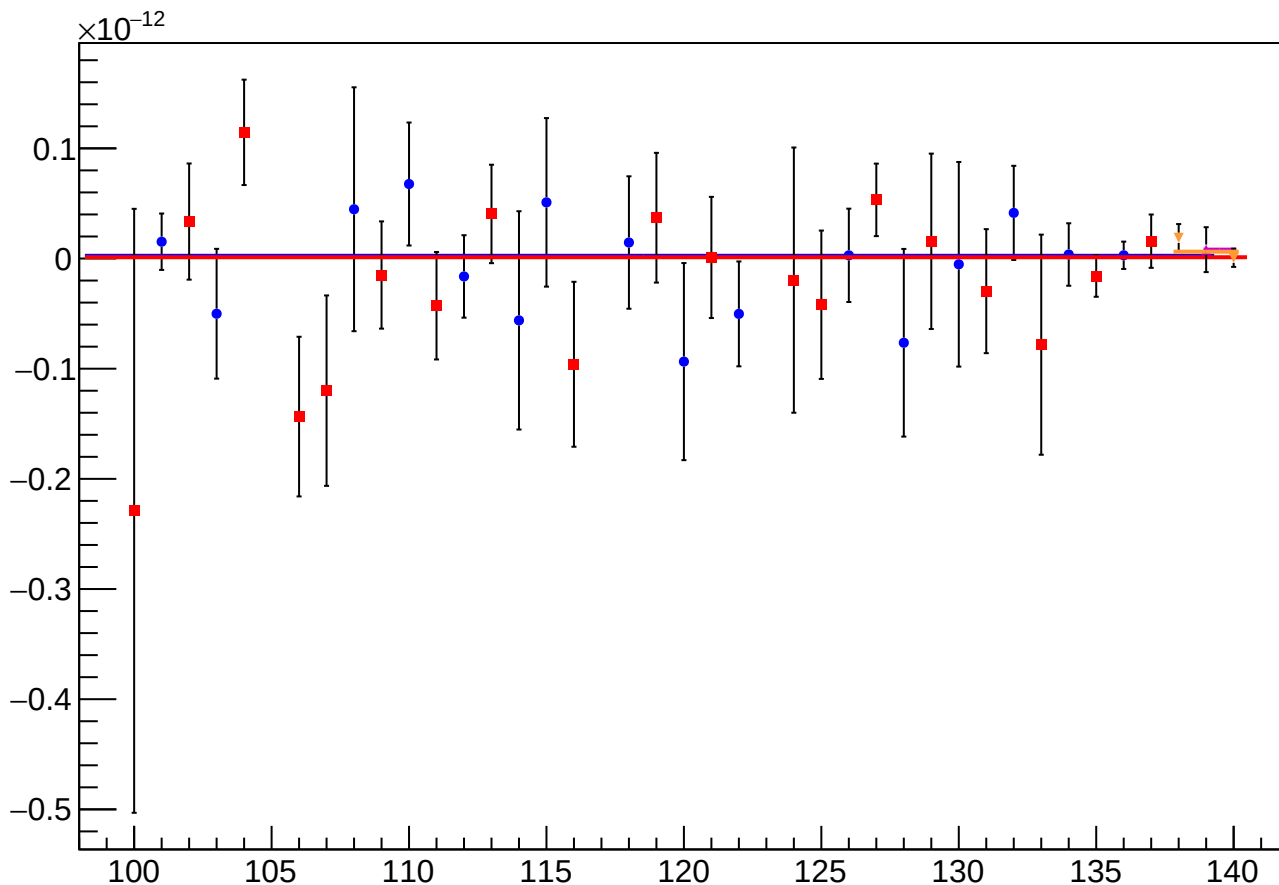
Left In: 24.843+/-0.020 χ^2/NDF : 0.0/0

+ sign 35.762+/-0.009 χ^2/NDF : 615975.3/17

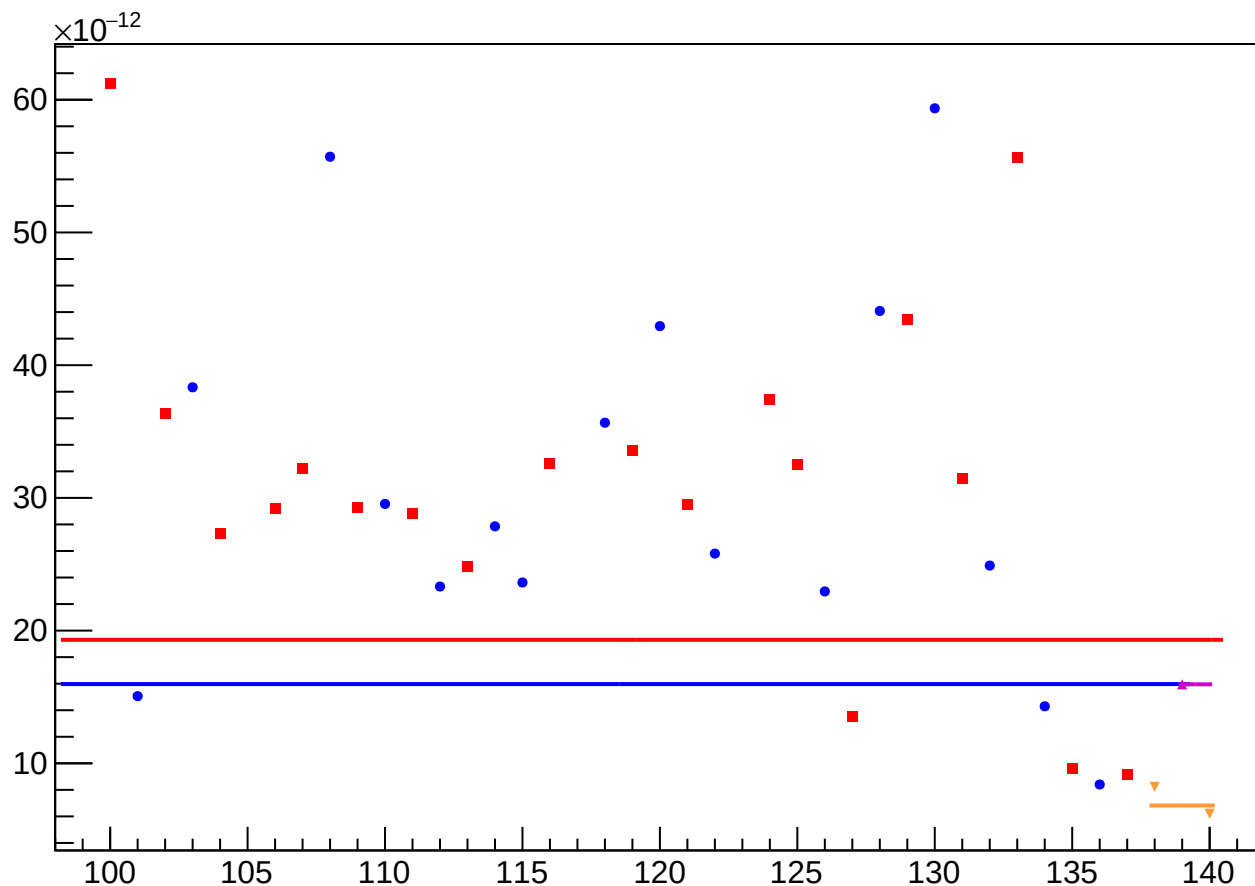
All: 33.982+/-0.006 χ^2/NDF : 1504945.8/37

- sign 32.410+/-0.008 χ^2/NDF : 815481.0/19

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 36655.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2440768.5/18

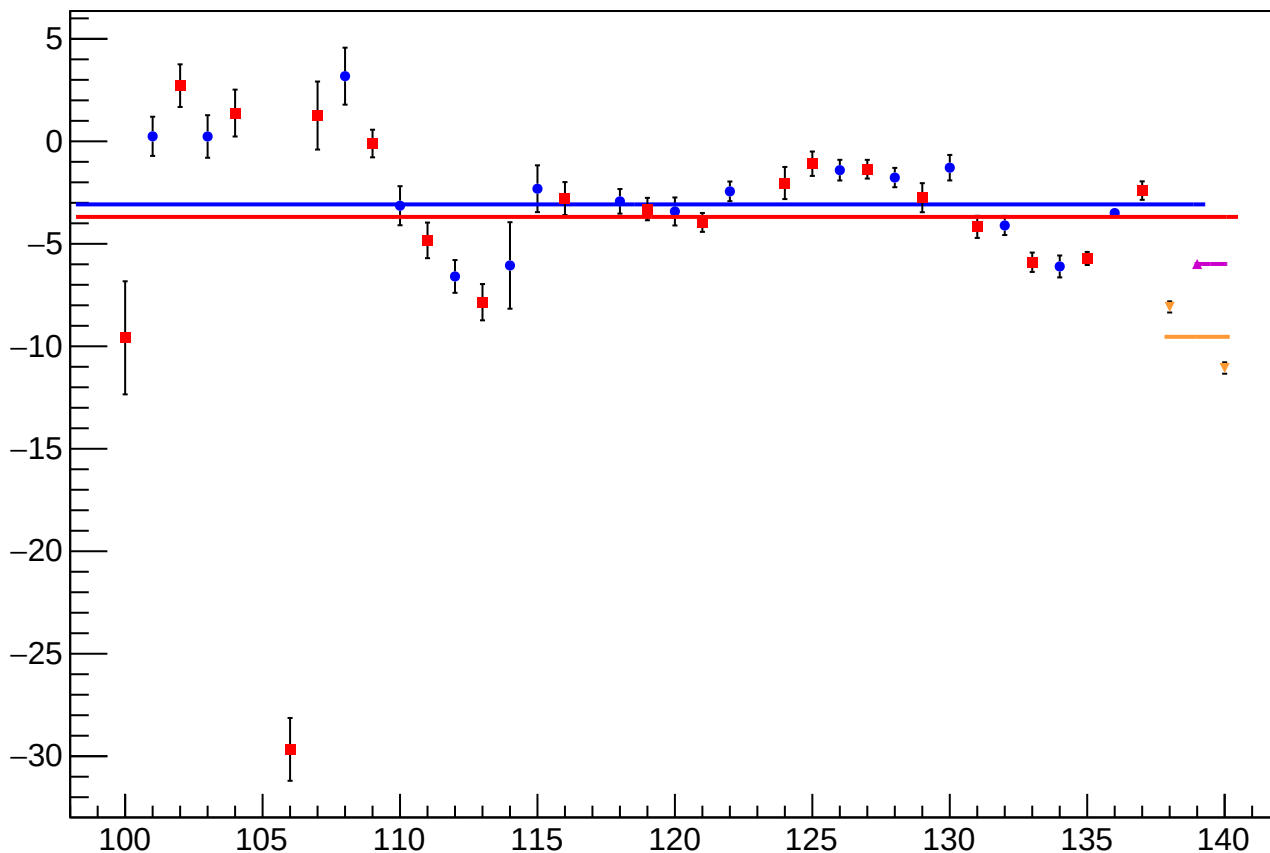
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 4213268.8/17

All: 0.000+/-0.000 χ^2/NDF : 7919772.0/37

- sign 0.000+/-0.000 χ^2/NDF : 2484157.4/19

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077 ± 0.135 χ^2/NDF : 133.8/15

Left Out: -9.537 ± 0.194 χ^2/NDF : 58.9/1

Right Out: -3.687 ± 0.140 χ^2/NDF : 534.8/18

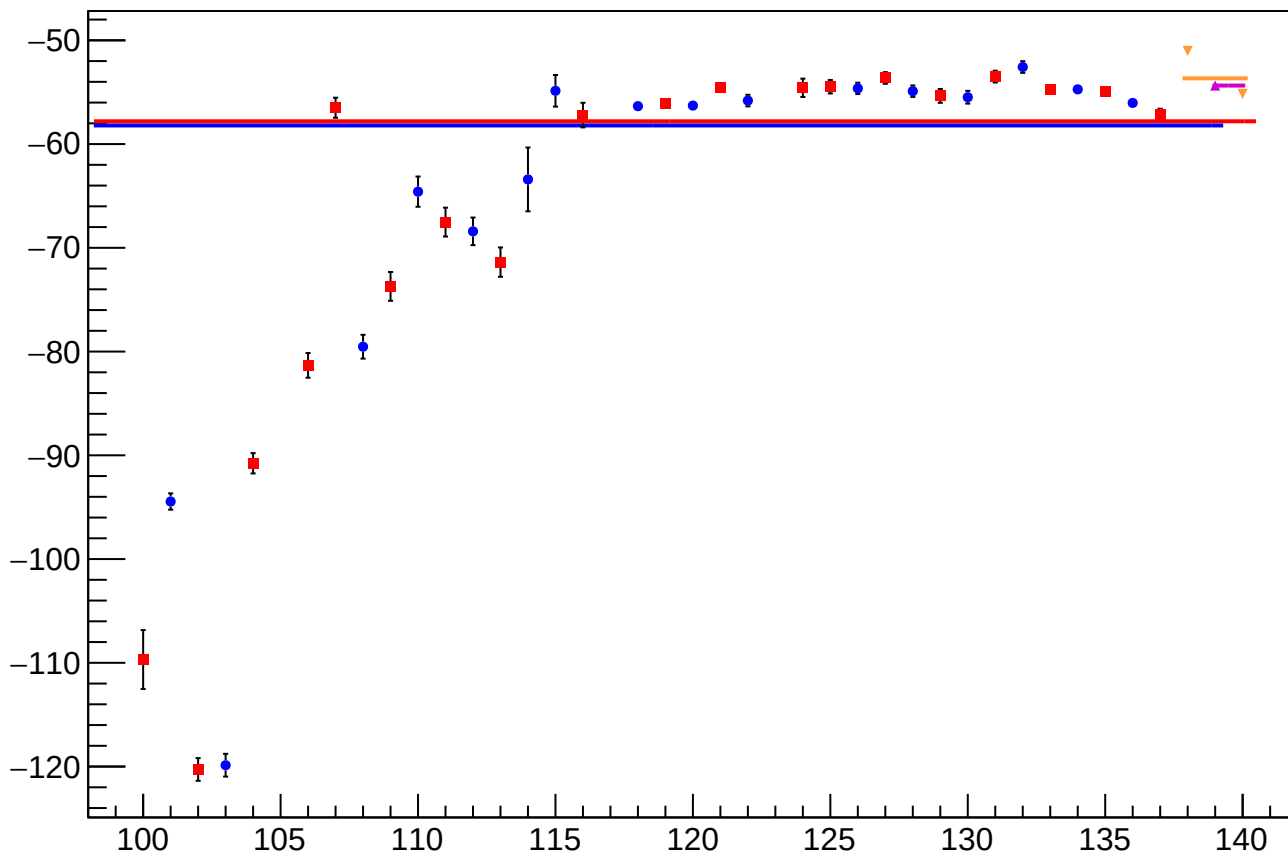
Left In: -5.984 ± 0.240 χ^2/NDF : 0.0/0

+ sign -5.187 ± 0.111 χ^2/NDF : 938.1/17

All: -4.769 ± 0.082 χ^2/NDF : 1572.2/37

- sign -4.271 ± 0.121 χ^2/NDF : 603.1/19

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204 ± 0.136 χ^2/NDF : 6126.9/15

Left Out: -53.664 ± 0.188 χ^2/NDF : 111.5/1

Right Out: -57.804 ± 0.138 χ^2/NDF : 5792.7/18

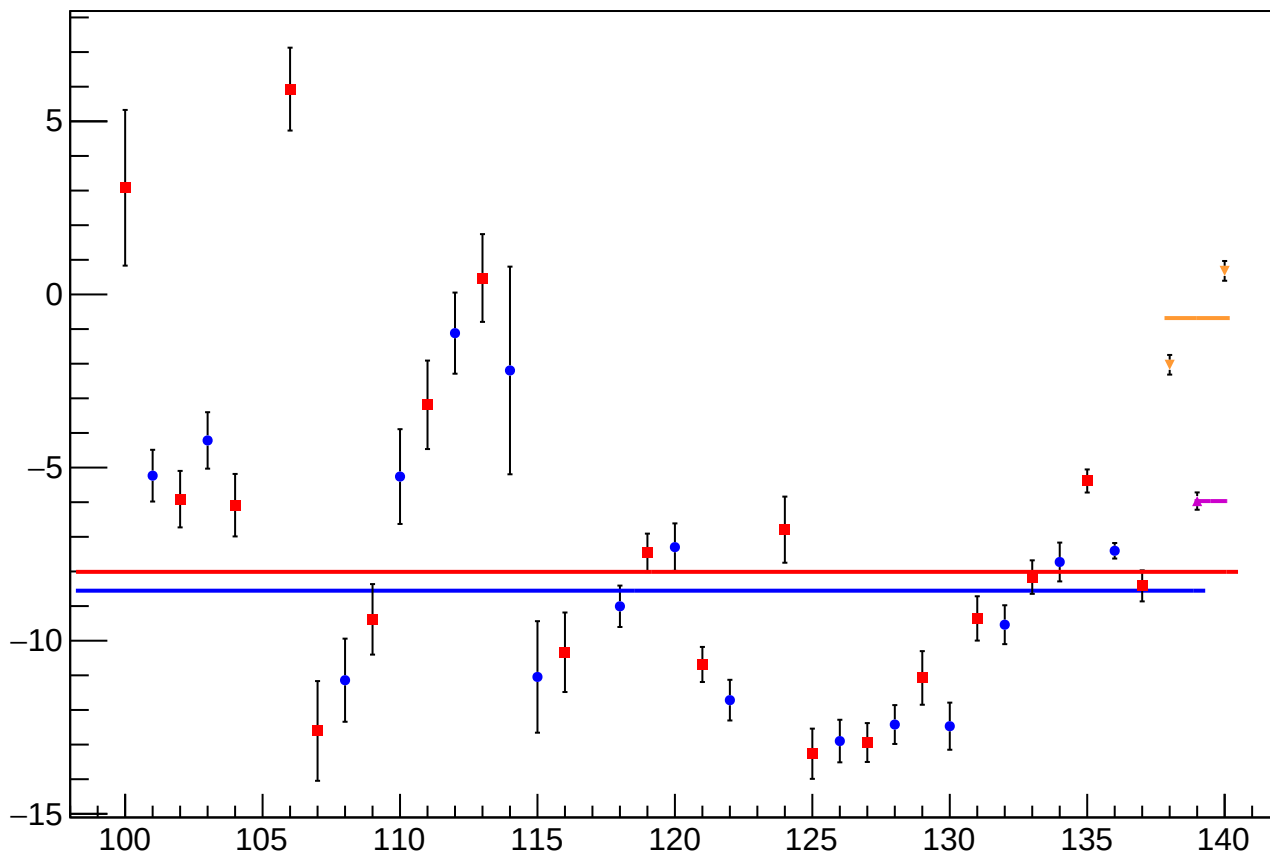
Left In: -54.360 ± 0.433 χ^2/NDF : 0.0/0

+ sign -56.653 ± 0.110 χ^2/NDF : 6621.9/17

All: -56.993 ± 0.084 χ^2/NDF : 12495.4/37

- sign -57.484 ± 0.132 χ^2/NDF : 5850.1/19

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555 ± 0.145 χ^2/NDF : 300.7/15

Left Out: -0.682 ± 0.201 χ^2/NDF : 45.4/1

Right Out: -8.011 ± 0.153 χ^2/NDF : 489.3/18

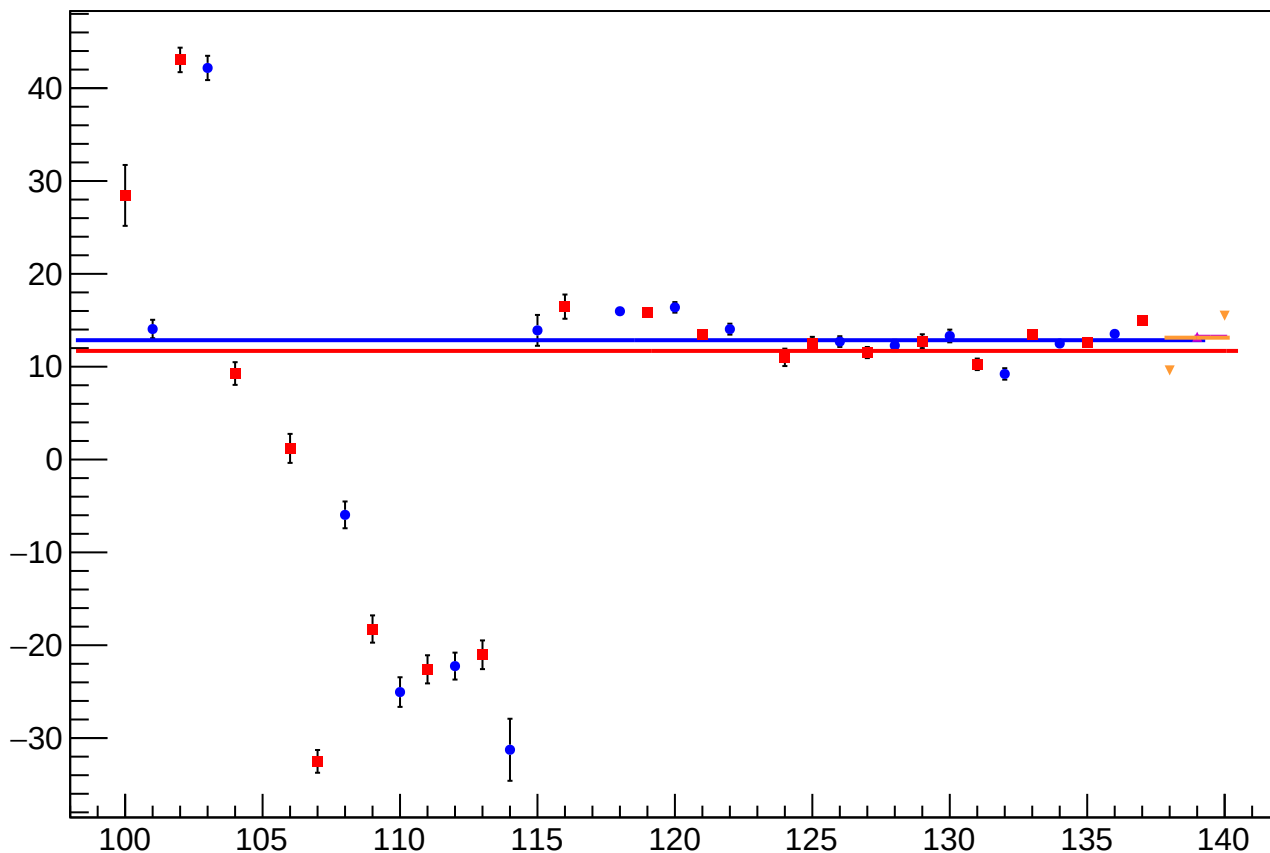
Left In: -5.967 ± 0.250 χ^2/NDF : 0.0/0

+ sign -5.873 ± 0.118 χ^2/NDF : 1354.1/17

All: -6.582 ± 0.087 χ^2/NDF : 1973.2/37

- sign -7.455 ± 0.130 χ^2/NDF : 538.0/19

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF : 2128.4/15

Left Out: 13.125+/-0.217 χ^2/NDF : 176.7/1

Right Out: 11.699+/-0.155 χ^2/NDF : 3498.8/18

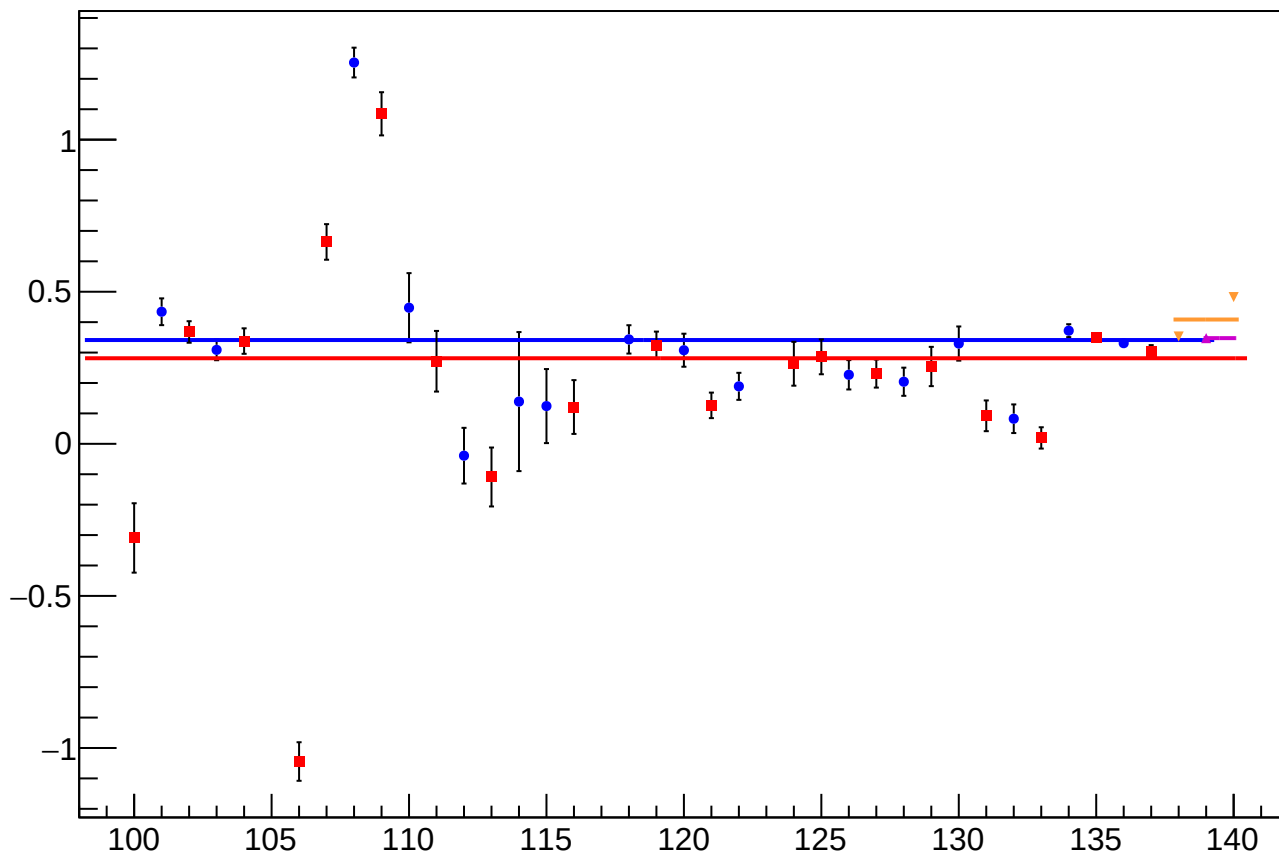
Left In: 13.226+/-0.415 χ^2/NDF : 0.0/0

+ sign 12.941+/-0.124 χ^2/NDF : 2306.2/17

All: 12.498+/-0.094 χ^2/NDF : 5847.4/37

- sign 11.886+/-0.145 χ^2/NDF : 3510.7/19

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341 ± 0.008 χ^2/NDF : 434.8/15

Left Out: 0.409 ± 0.008 χ^2/NDF : 60.0/1

Right Out: 0.281 ± 0.008 χ^2/NDF : 777.6/18

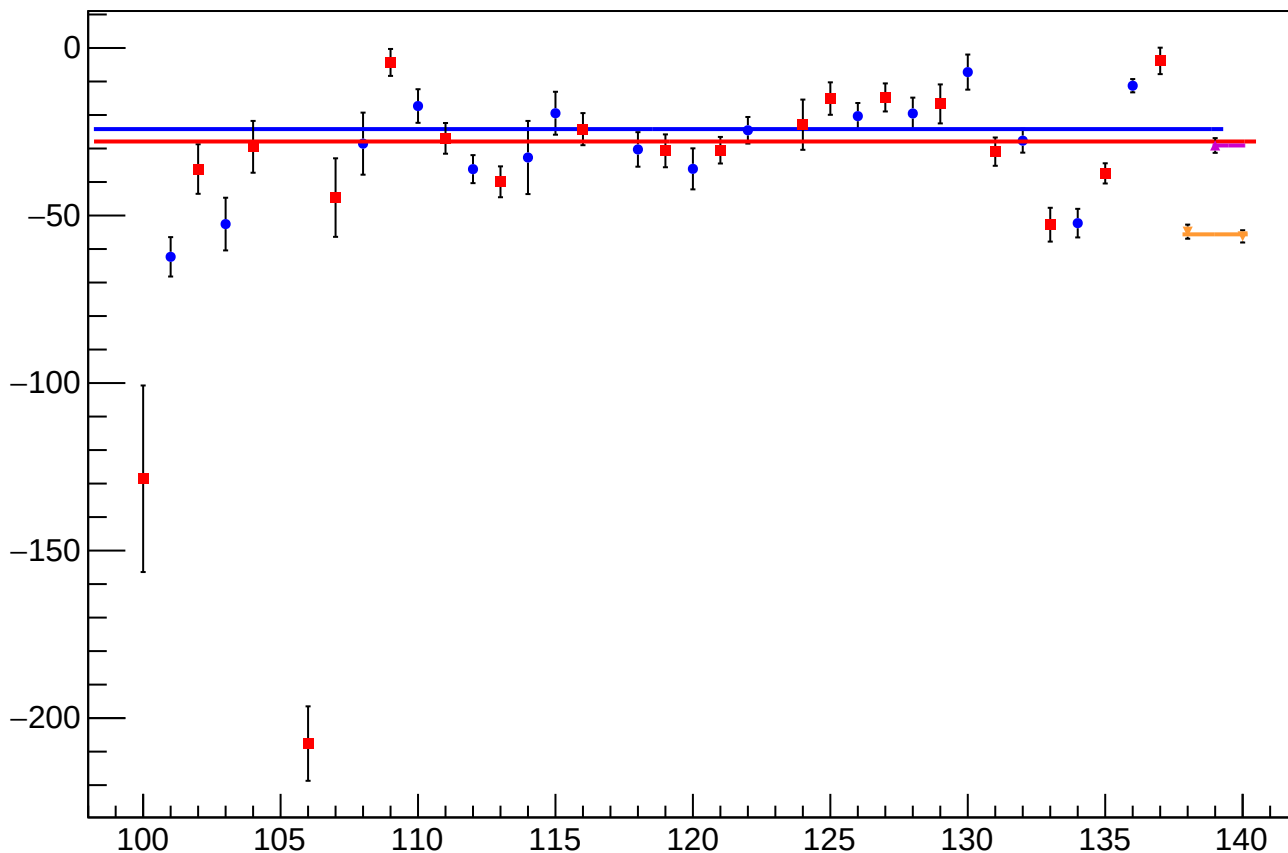
Left In: 0.347 ± 0.009 χ^2/NDF : 0.0/0

+ sign 0.373 ± 0.006 χ^2/NDF : 529.6/17

All: 0.345 ± 0.004 χ^2/NDF : 1388.3/37

- sign 0.313 ± 0.006 χ^2/NDF : 806.5/19

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205 ± 1.086 $\chi^2/\text{NDF}: 170.7/15$

Left Out: -55.618 ± 1.383 $\chi^2/\text{NDF}: 0.3/1$

Right Out: -27.906 ± 1.137 $\chi^2/\text{NDF}: 413.4/18$

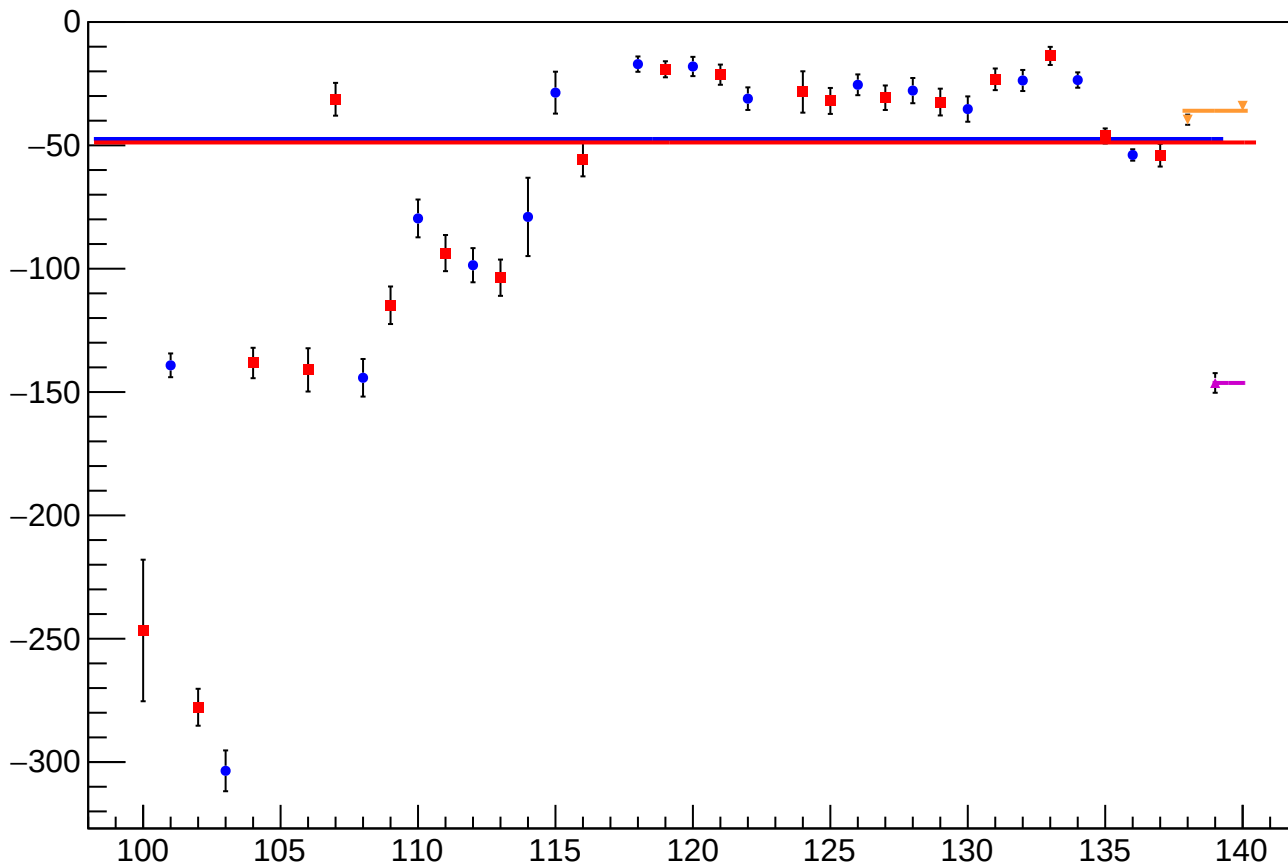
Left In: -29.094 ± 2.203 $\chi^2/\text{NDF}: 0.0/0$

+ sign -36.190 ± 0.854 $\chi^2/\text{NDF}: 490.0/17$

All: -32.841 ± 0.652 $\chi^2/\text{NDF}: 940.5/37$

- sign -28.156 ± 1.010 $\chi^2/\text{NDF}: 413.6/19$

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421 ± 1.101 χ^2/NDF : 1873.5/15

Left Out: -35.976 ± 1.222 χ^2/NDF : 4.8/1

Right Out: -48.831 ± 1.182 χ^2/NDF : 1774.6/18

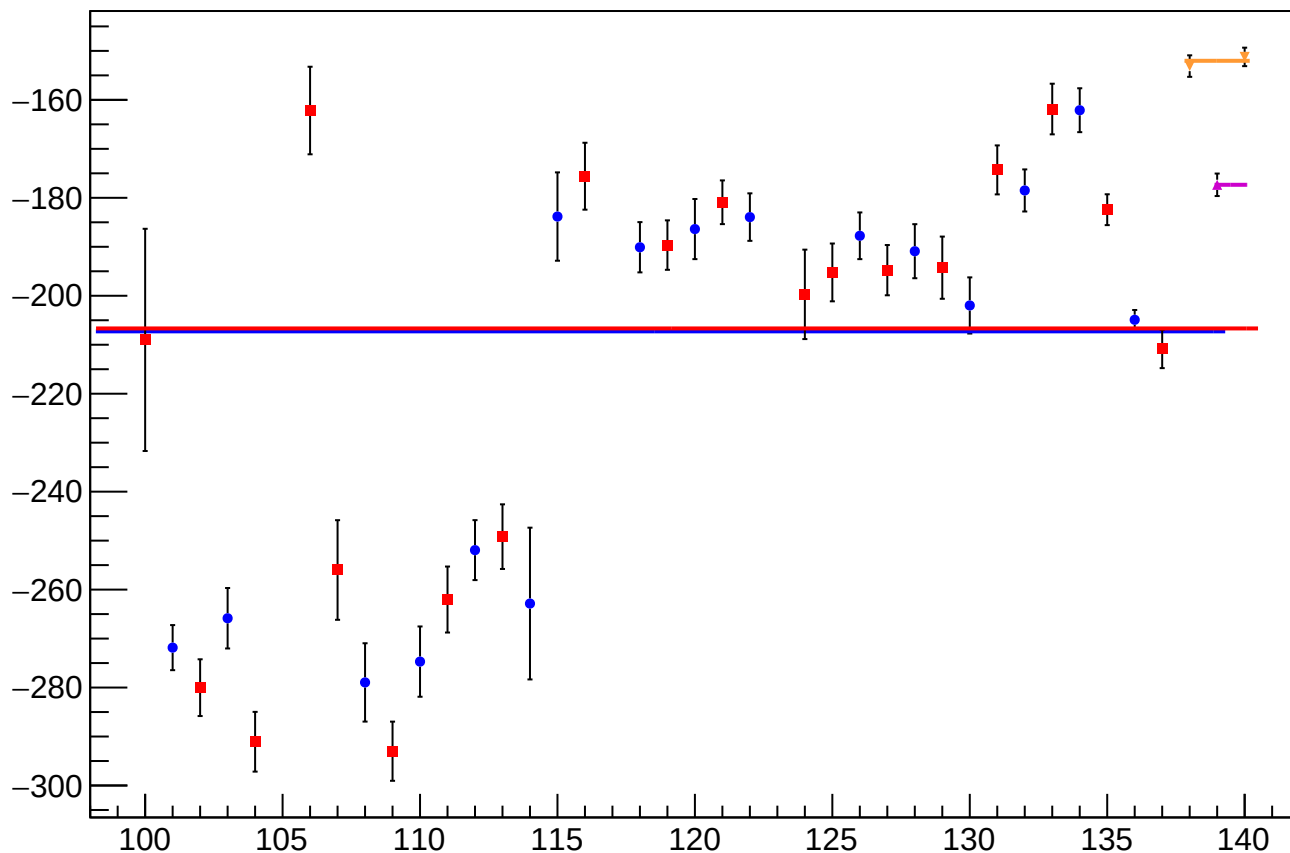
Left In: -146.312 ± 3.985 χ^2/NDF : 0.0/0

+ sign -42.295 ± 0.818 χ^2/NDF : 1926.7/17

All: -47.234 ± 0.663 χ^2/NDF : 4357.6/37

- sign -56.718 ± 1.134 χ^2/NDF : 2324.5/19

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266 ± 1.178 χ^2/NDF : 748.5/15

Left Out: -152.023 ± 1.431 χ^2/NDF : 0.4/1

Right Out: -206.673 ± 1.279 χ^2/NDF : 969.4/18

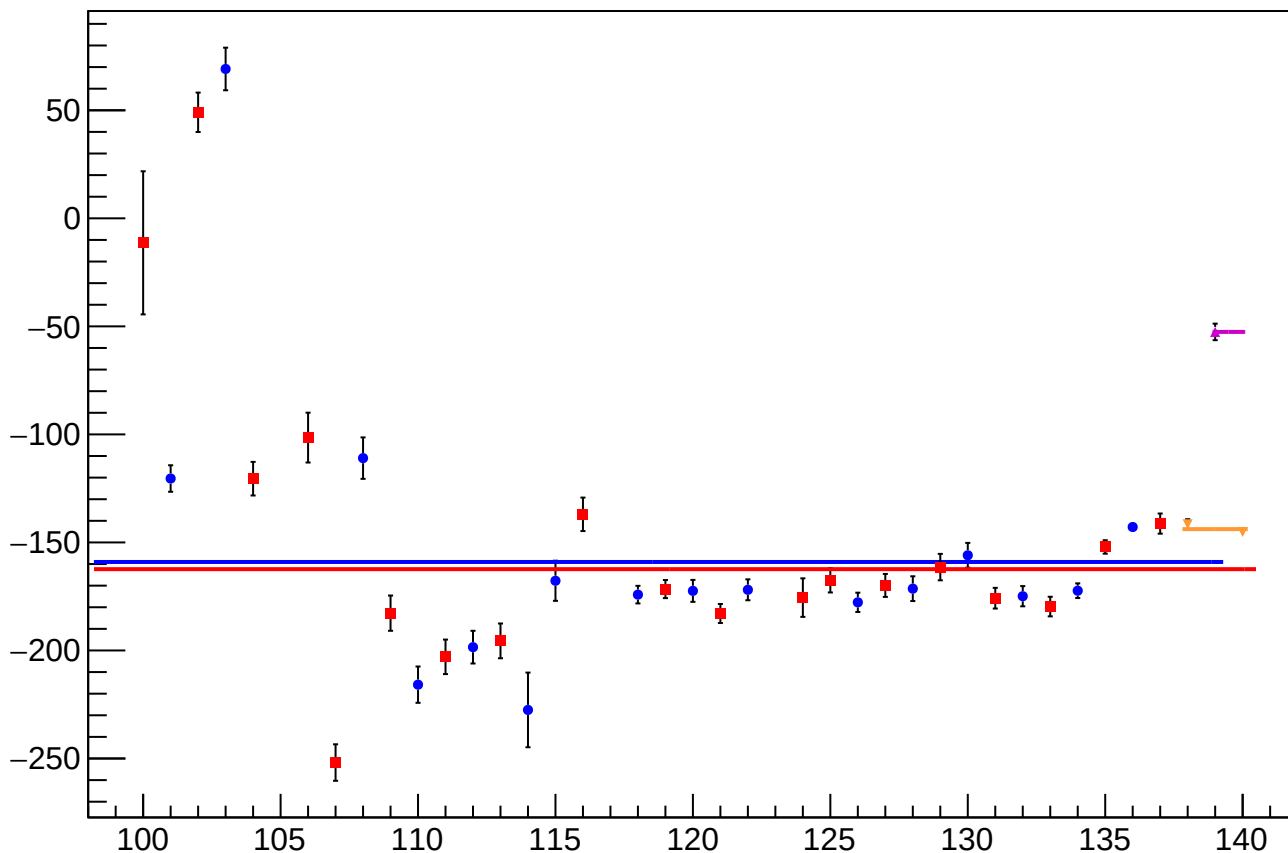
Left In: -177.342 ± 2.295 χ^2/NDF : 0.0/0

+ sign -184.946 ± 0.910 χ^2/NDF : 1636.9/17

All: -190.834 ± 0.705 χ^2/NDF : 2836.0/37

- sign -199.720 ± 1.118 χ^2/NDF : 1094.0/19

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048 ± 1.225 χ^2/NDF : 815.8/15

Left Out: -143.839 ± 1.446 χ^2/NDF : 1.4/1

Right Out: -162.370 ± 1.324 χ^2/NDF : 872.6/18

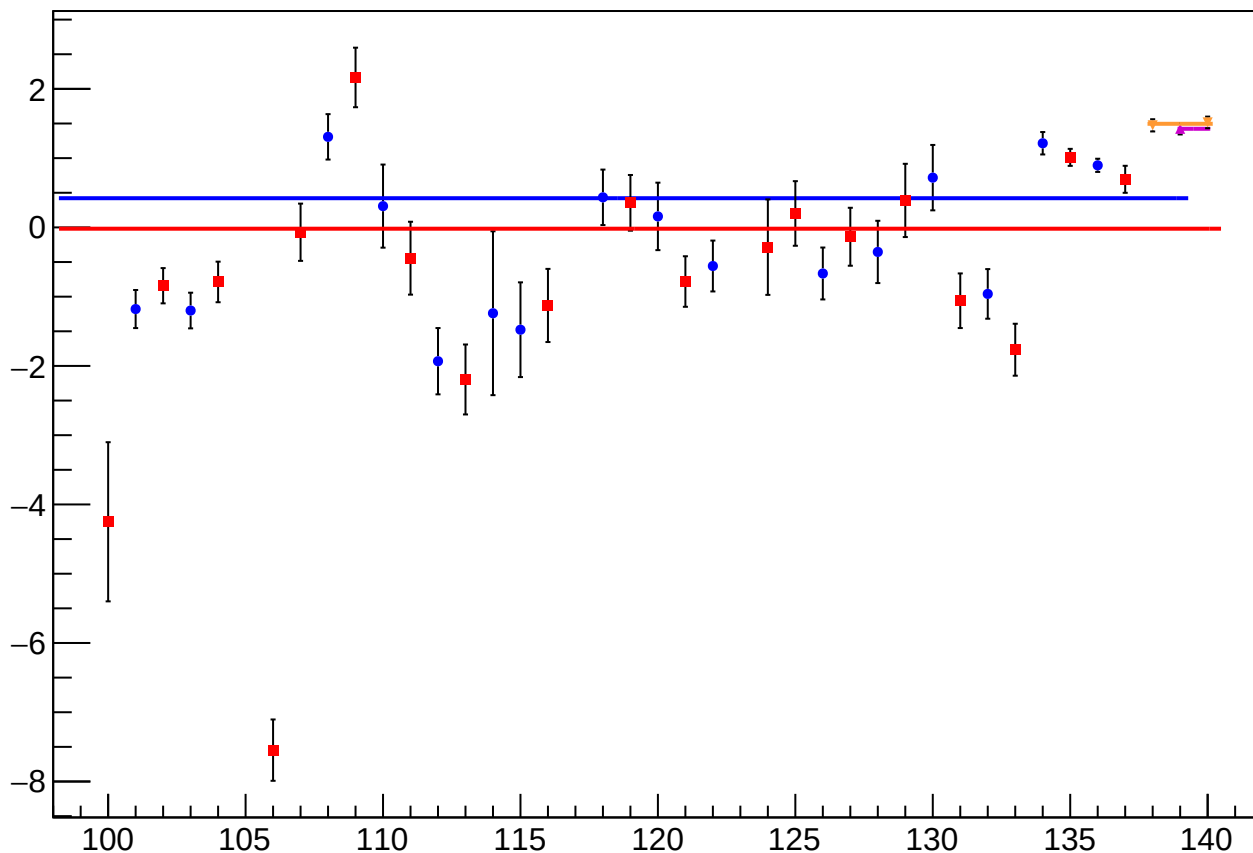
Left In: -52.567 ± 3.823 χ^2/NDF : 0.0/0

+ sign -152.691 ± 0.935 χ^2/NDF : 881.6/17

All: -151.945 ± 0.749 χ^2/NDF : 2492.5/37

- sign -150.609 ± 1.251 χ^2/NDF : 1609.1/19

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421 ± 0.065 χ^2/NDF : 197.6/15

Left Out: 1.496 ± 0.061 χ^2/NDF : 0.1/1

Right Out: -0.019 ± 0.072 χ^2/NDF : 488.2/18

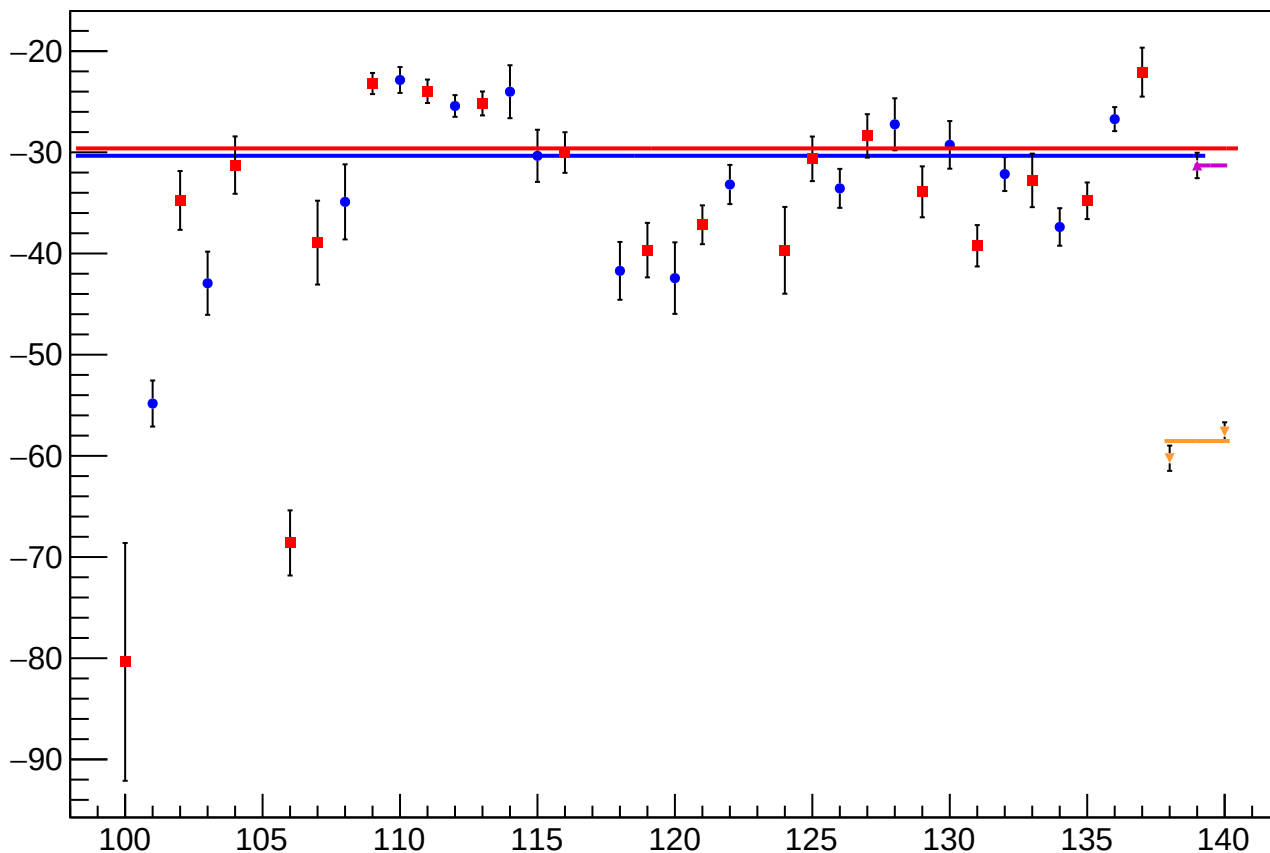
Left In: 1.424 ± 0.082 χ^2/NDF : 0.0/0

+ sign 0.993 ± 0.044 χ^2/NDF : 344.0/17

All: 0.841 ± 0.034 χ^2/NDF : 1035.8/37

- sign 0.612 ± 0.054 χ^2/NDF : 662.2/19

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341 ± 0.468 χ^2/NDF : 253.6/15

Left Out: -58.533 ± 0.741 χ^2/NDF : 2.9/1

Right Out: -29.613 ± 0.450 χ^2/NDF : 329.2/18

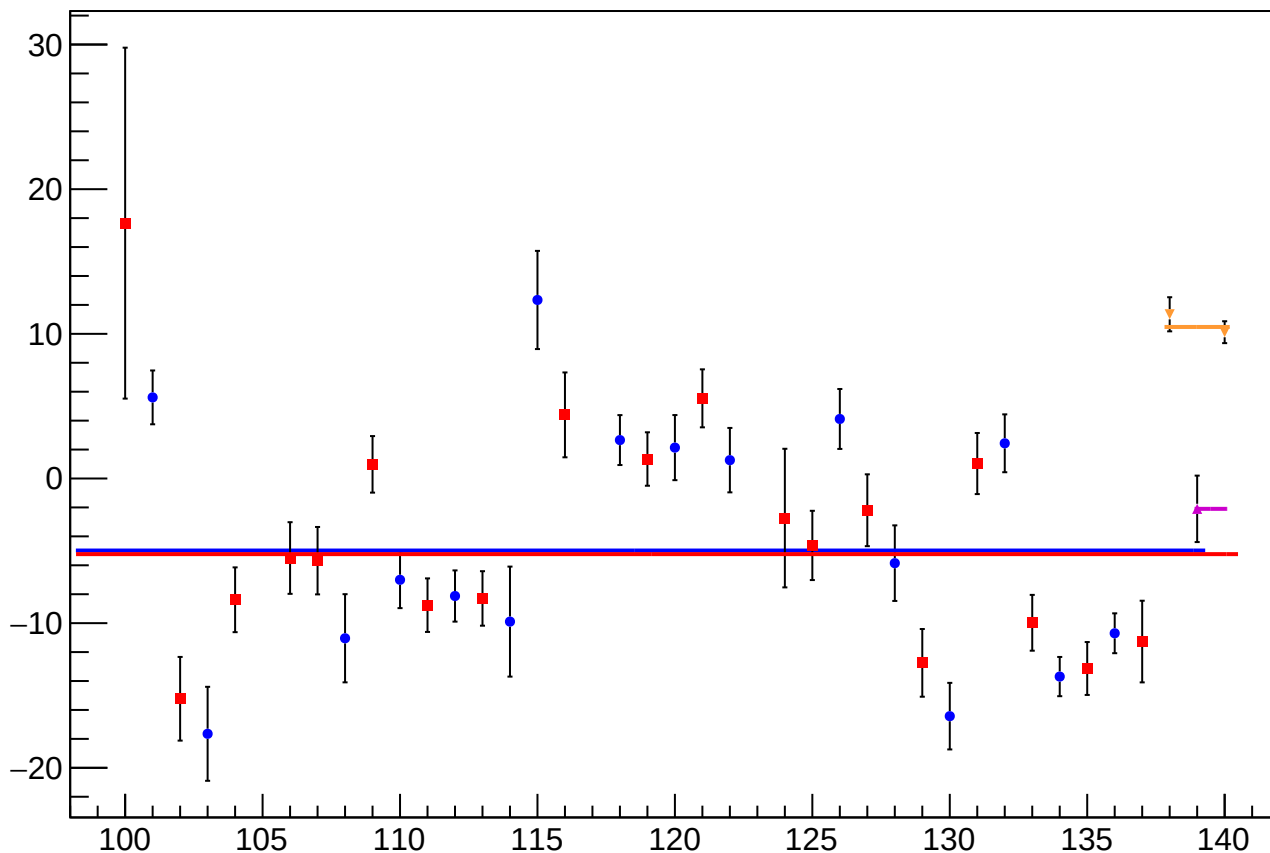
Left In: -31.297 ± 1.259 χ^2/NDF : 0.0/0

+ sign -38.376 ± 0.396 χ^2/NDF : 1291.4/17

All: -34.388 ± 0.289 χ^2/NDF : 1840.7/37

- sign -29.804 ± 0.424 χ^2/NDF : 330.8/19

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980 ± 0.510 χ^2/NDF : 237.3/15

Left Out: 10.475 ± 0.637 χ^2/NDF : 0.8/1

Right Out: -5.228 ± 0.524 χ^2/NDF : 136.5/18

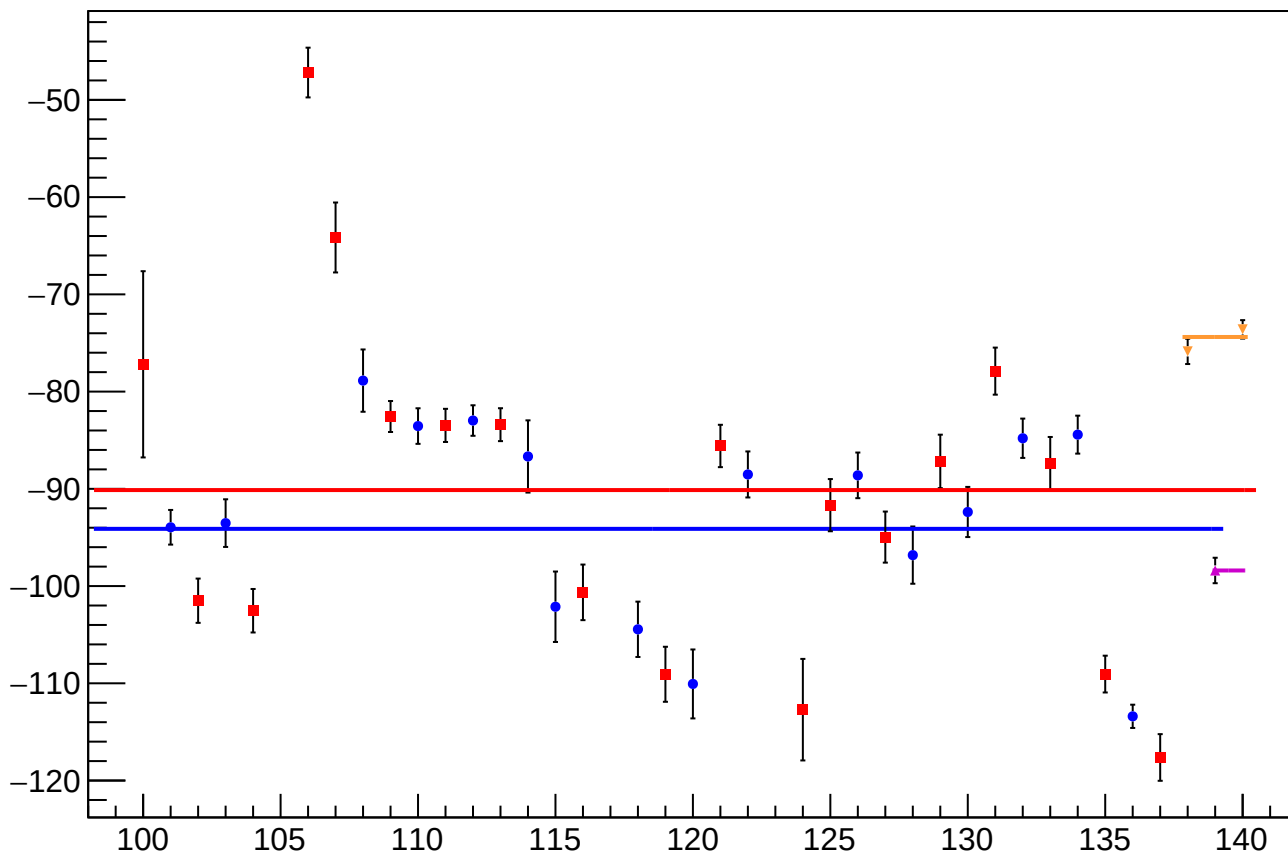
Left In: -2.098 ± 2.297 χ^2/NDF : 0.0/0

+ sign 1.054 ± 0.398 χ^2/NDF : 597.2/17

All: -1.261 ± 0.314 χ^2/NDF : 825.0/37

- sign -5.074 ± 0.511 χ^2/NDF : 138.2/19

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115 ± 0.537 χ^2/NDF : 466.8/15

Left Out: -74.383 ± 0.766 χ^2/NDF : 2.0/1

Right Out: -90.127 ± 0.543 χ^2/NDF : 789.3/18

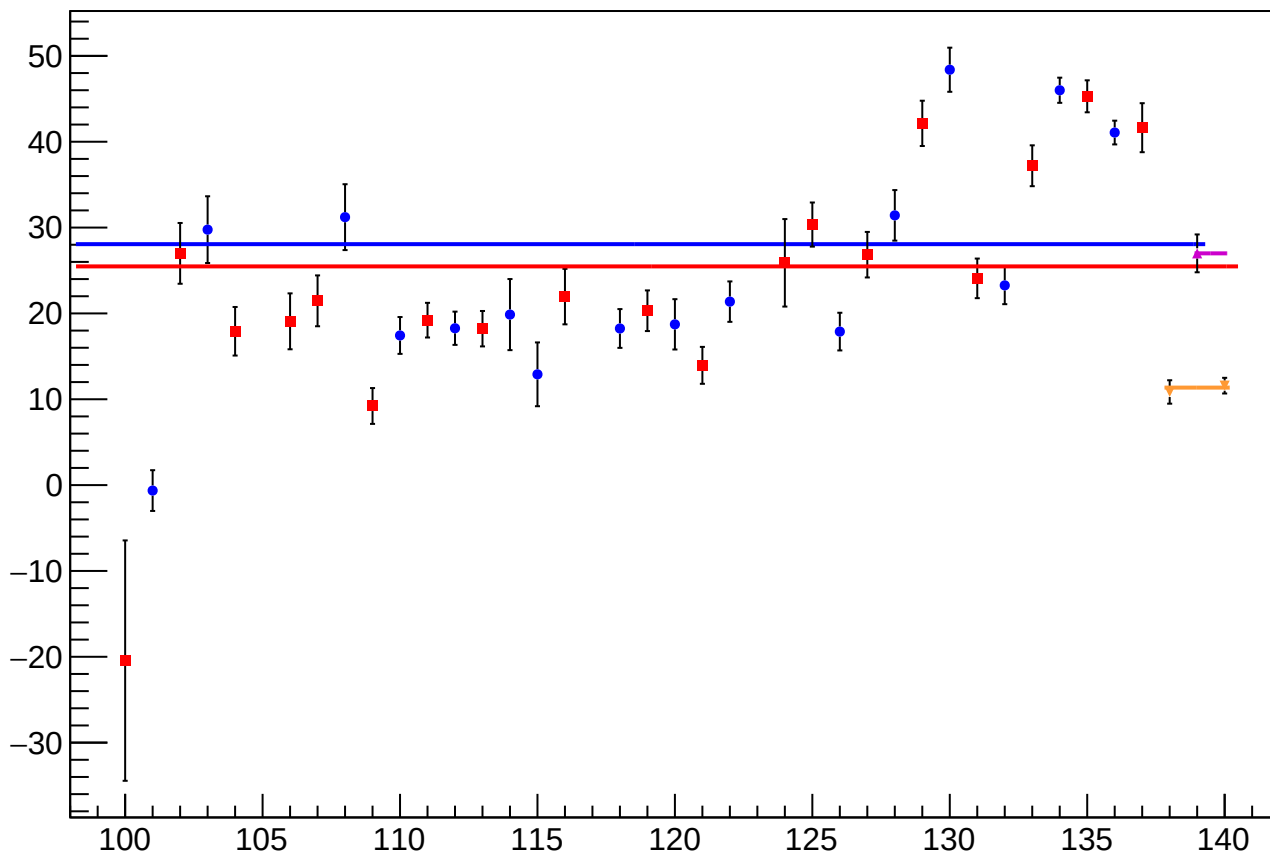
Left In: -98.397 ± 1.310 χ^2/NDF : 0.0/0

+ sign -87.609 ± 0.440 χ^2/NDF : 914.0/17

All: -89.230 ± 0.331 χ^2/NDF : 1768.7/37

- sign -91.340 ± 0.502 χ^2/NDF : 823.4/19

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068 $\pm$ 0.569 χ^2 /NDF: 583.1/15

Left Out: 11.358 $\pm$ 0.758 χ^2 /NDF: 0.2/1

Right Out: 25.477 $\pm$ 0.590 χ^2 /NDF: 354.6/18

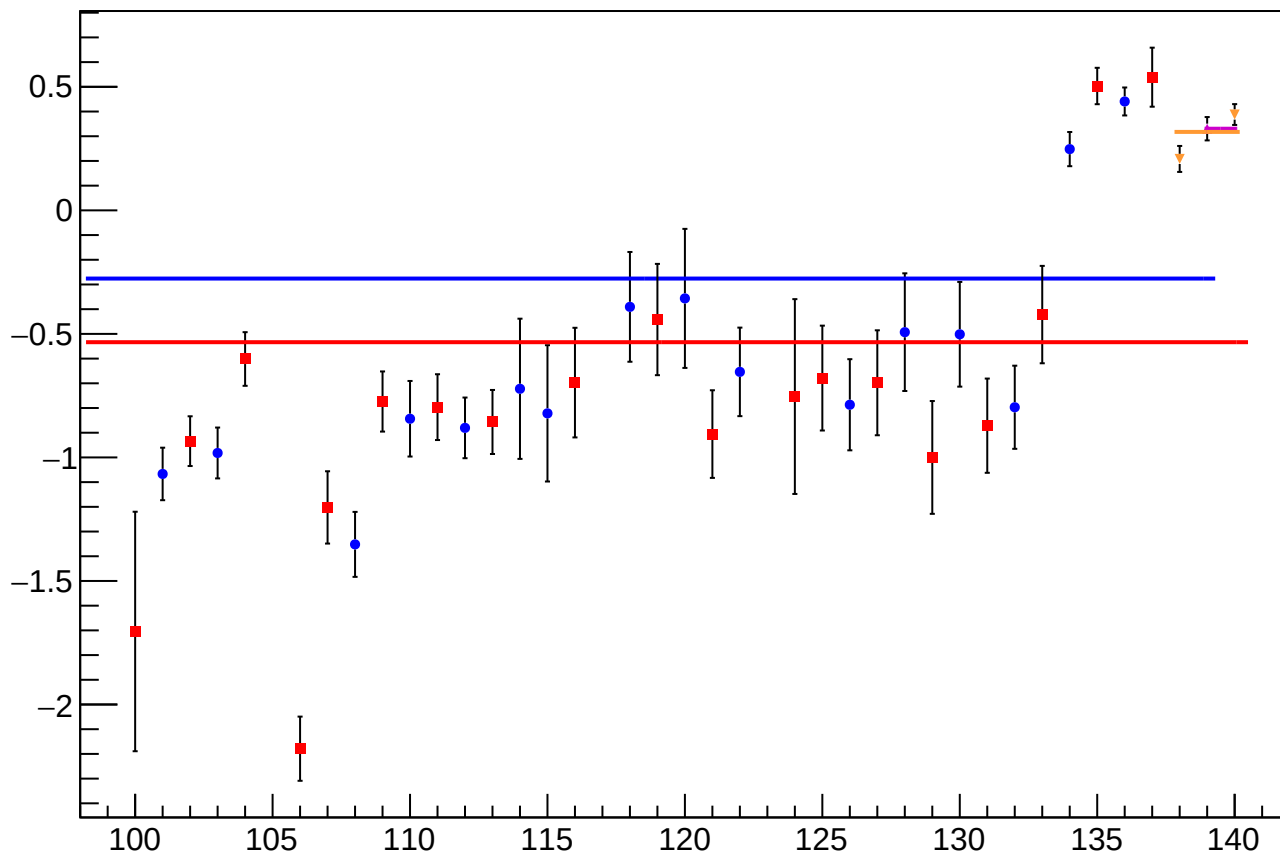
Left In: 26.996 $\pm$ 2.205 χ^2 /NDF: 0.0/0

+ sign 22.050 $\pm$ 0.455 χ^2 /NDF: 894.1/17

All: 23.422 $\pm$ 0.356 χ^2 /NDF: 1272.5/37

- sign 25.579 $\pm$ 0.570 χ^2 /NDF: 355.1/19

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276 ± 0.031 χ^2/NDF : 455.6/15

Left Out: 0.318 ± 0.033 χ^2/NDF : 7.1/1

Right Out: -0.534 ± 0.033 χ^2/NDF : 510.3/18

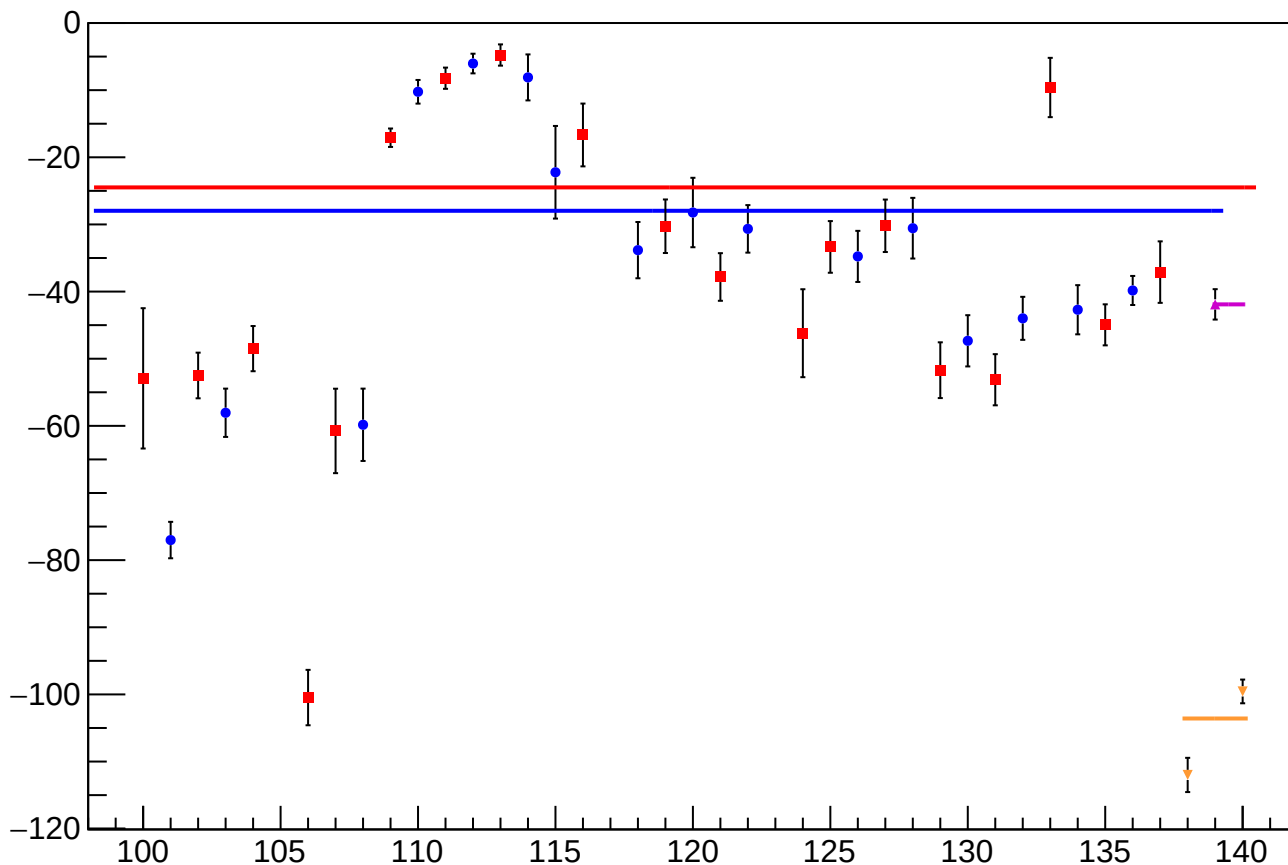
Left In: 0.330 ± 0.047 χ^2/NDF : 0.0/0

+ sign -0.000 ± 0.022 χ^2/NDF : 637.1/17

All: -0.103 ± 0.017 χ^2/NDF : 1424.4/37

- sign -0.252 ± 0.027 χ^2/NDF : 735.7/19

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967 ± 0.728 $\chi^2/\text{NDF}: 894.7/15$

Left Out: -103.587 ± 1.452 $\chi^2/\text{NDF}: 16.1/1$

Right Out: -24.485 ± 0.663 $\chi^2/\text{NDF}: 989.7/18$

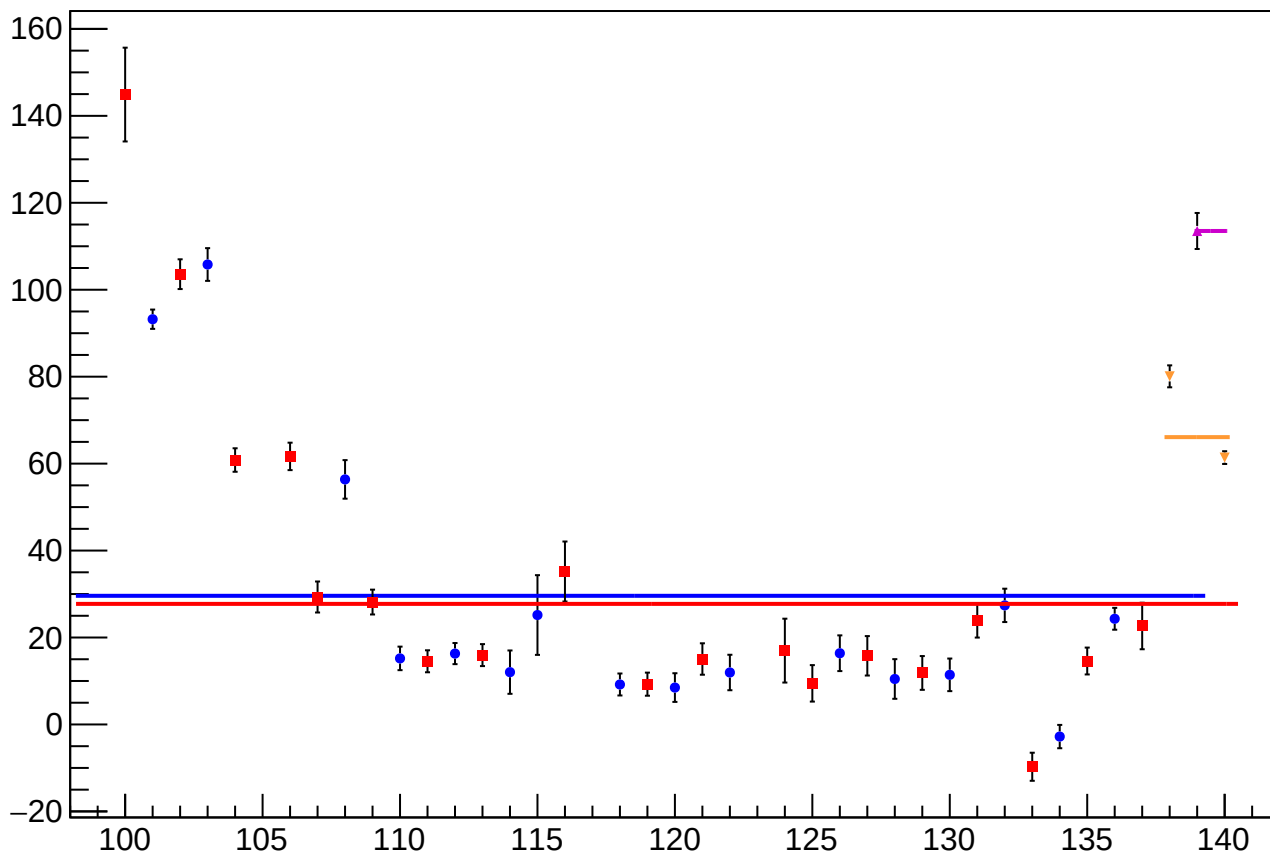
Left In: -41.906 ± 2.264 $\chi^2/\text{NDF}: 0.0/0$

+ sign -43.150 ± 0.650 $\chi^2/\text{NDF}: 3079.5/17$

All: -34.313 ± 0.455 $\chi^2/\text{NDF}: 4484.8/37$

- sign -25.860 ± 0.636 $\chi^2/\text{NDF}: 1044.2/19$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594 $\pm$ 0.807 χ^2 /NDF: 1665.7/15

Left Out: 66.096 $\pm$ 1.268 χ^2 /NDF: 41.0/1

Right Out: 27.736 $\pm$ 0.797 χ^2 /NDF: 1185.1/18

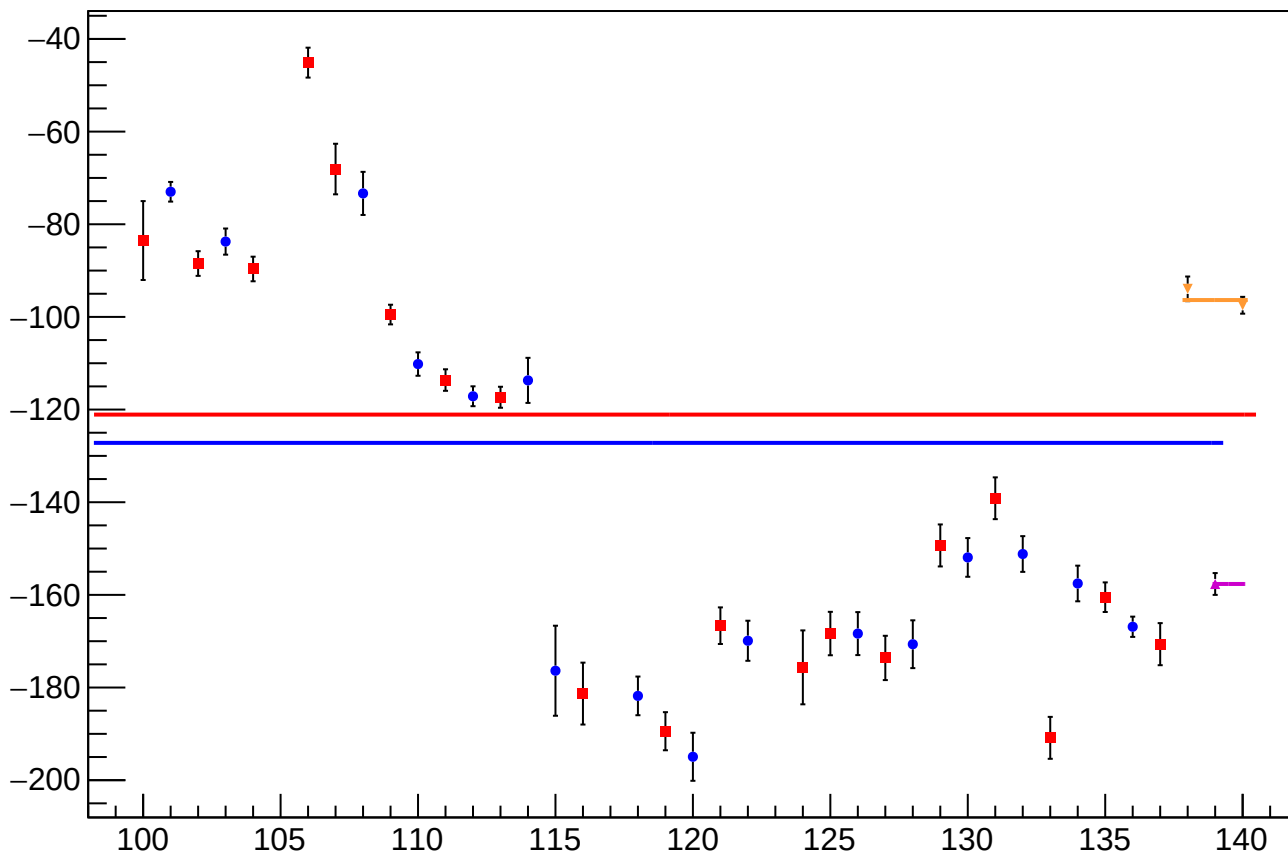
Left In: 113.516 $\pm$ 4.143 χ^2 /NDF: 0.0/0

+ sign 40.119 $\pm$ 0.681 χ^2 /NDF: 2296.3/17

All: 36.102 $\pm$ 0.514 χ^2 /NDF: 3975.5/37

- sign 30.797 $\pm$ 0.783 χ^2 /NDF: 1598.4/19

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190 ± 0.829 χ^2/NDF : 2178.2/15

Left Out: -96.359 ± 1.500 χ^2/NDF : 1.2/1

Right Out: -121.086 ± 0.798 χ^2/NDF : 2397.3/18

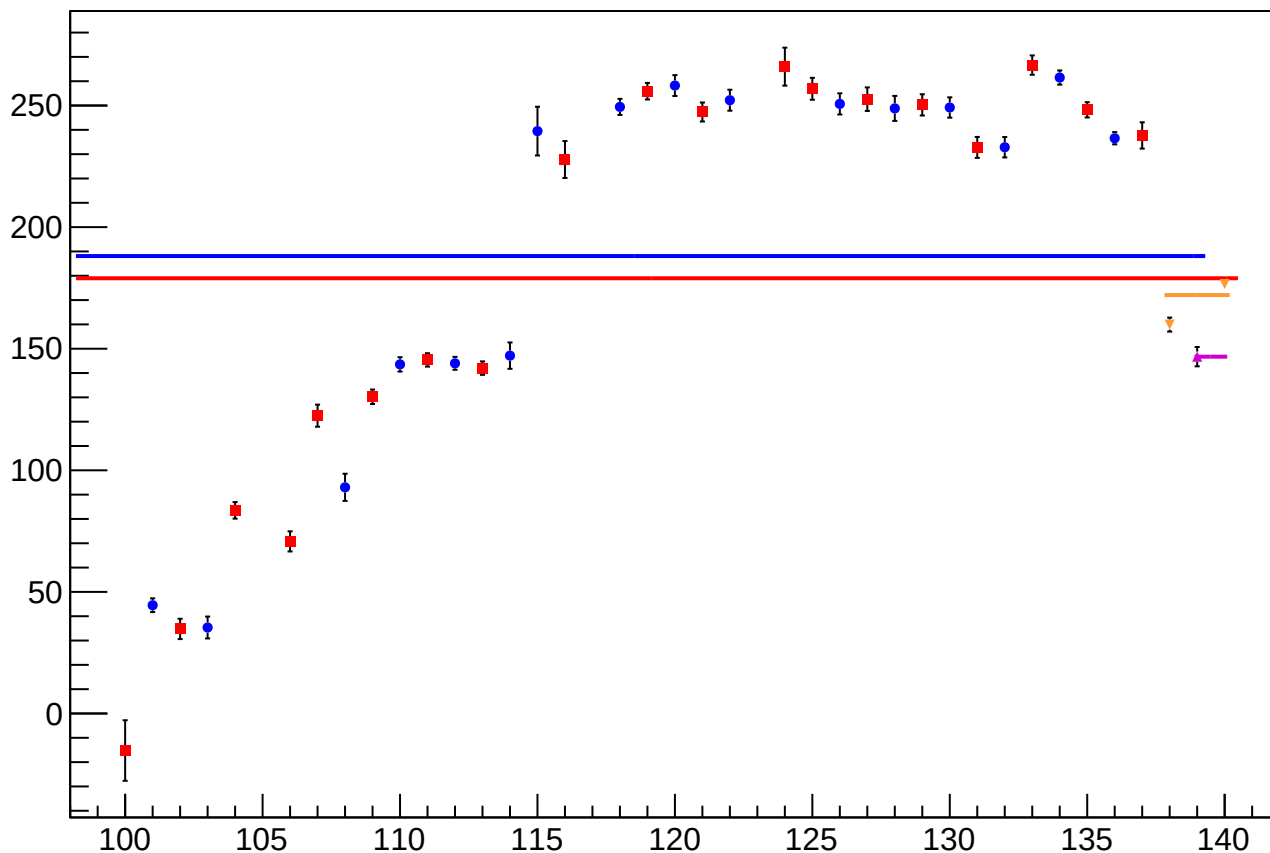
Left In: -157.647 ± 2.354 χ^2/NDF : 0.0/0

+ sign -119.971 ± 0.726 χ^2/NDF : 2502.9/17

All: -122.314 ± 0.523 χ^2/NDF : 5138.3/37

- sign -124.852 ± 0.756 χ^2/NDF : 2613.6/19

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107 $\pm$ 0.918 χ^2 /NDF: 7118.6/15

Left Out: 172.067 $\pm$ 1.504 χ^2 /NDF:24.3/1

Right Out: 178.971 $\pm$ 0.908 χ^2 /NDF: 6668.8/18

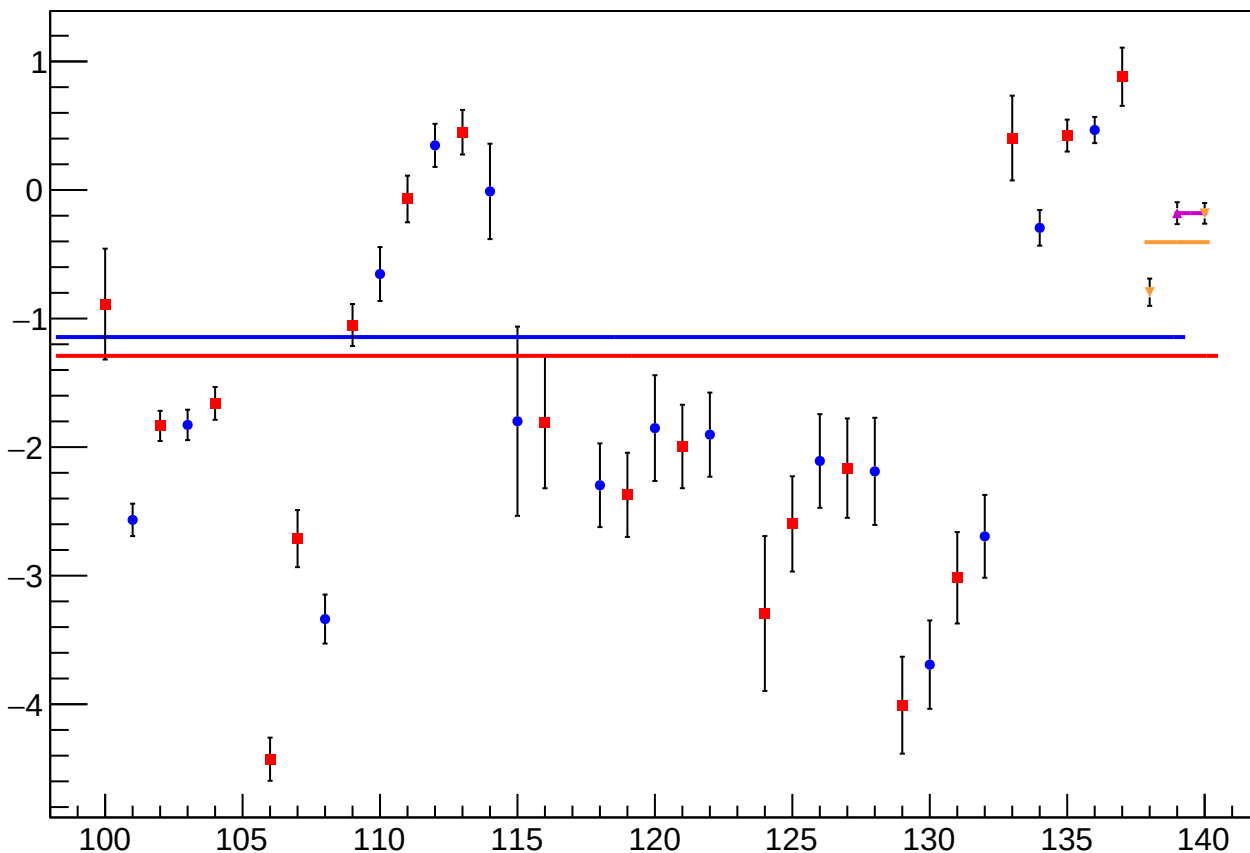
Left In: 146.729 $\pm$ 3.978 χ^2 /NDF:0.0/0

+ sign 183.754 $\pm$ 0.784 χ^2 /NDF: 7225.8/17

All: 180.951 $\pm$ 0.587 χ^2 /NDF: 13986.1/37

- sign 177.374 $\pm$ 0.885 χ^2 /NDF: 6731.2/19

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144 ± 0.048 $\chi^2/\text{NDF}: 787.4/15$

Left Out: -0.406 ± 0.064 $\chi^2/\text{NDF}: 21.3/1$

Right Out: -1.290 ± 0.047 $\chi^2/\text{NDF}: 998.3/18$

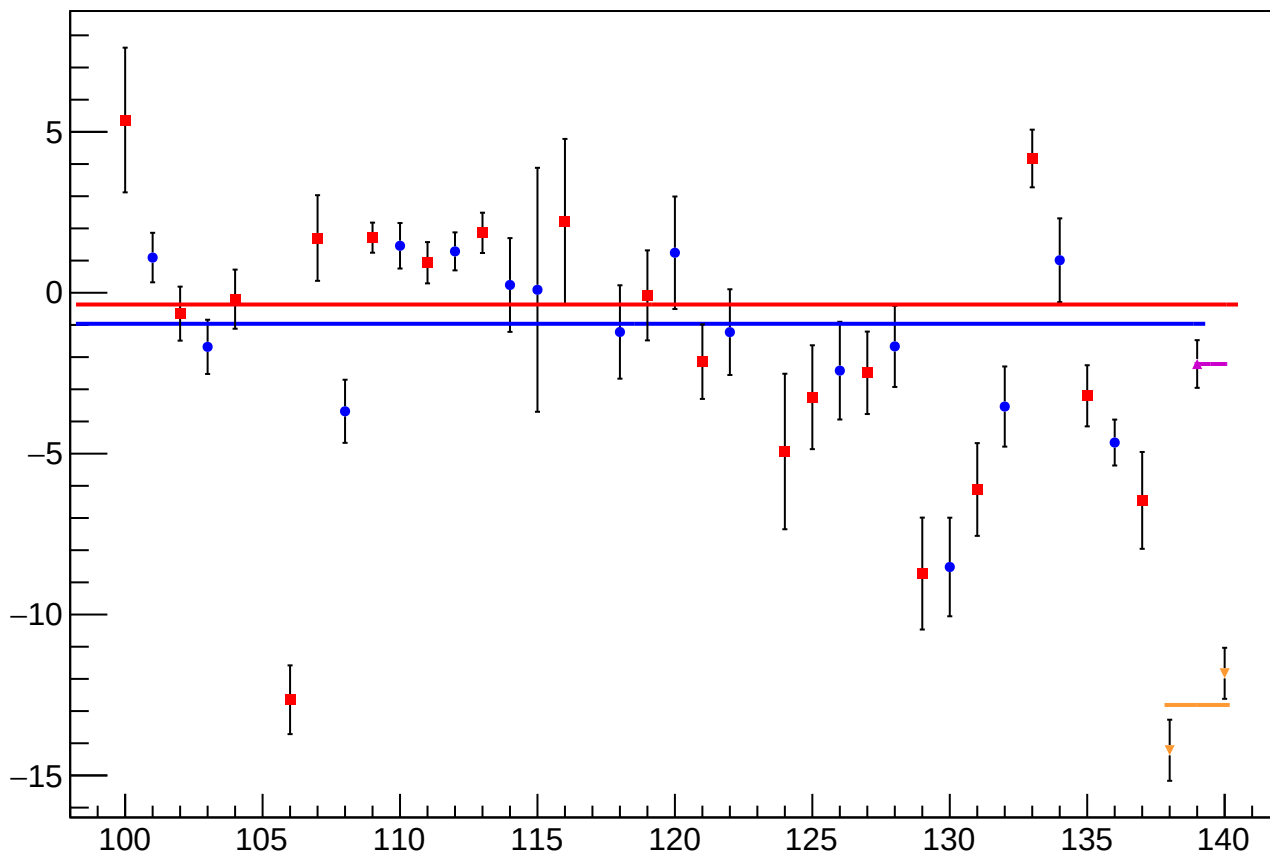
Left In: -0.180 ± 0.085 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.878 ± 0.038 $\chi^2/\text{NDF}: 893.7/17$

All: -0.947 ± 0.028 $\chi^2/\text{NDF}: 2028.3/37$

- sign -1.028 ± 0.041 $\chi^2/\text{NDF}: 1127.6/19$

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964 ± 0.253 χ^2/NDF : 103.2/15

Left Out: -12.810 ± 0.609 χ^2/NDF : 3.7/1

Right Out: -0.365 ± 0.224 χ^2/NDF : 280.6/18

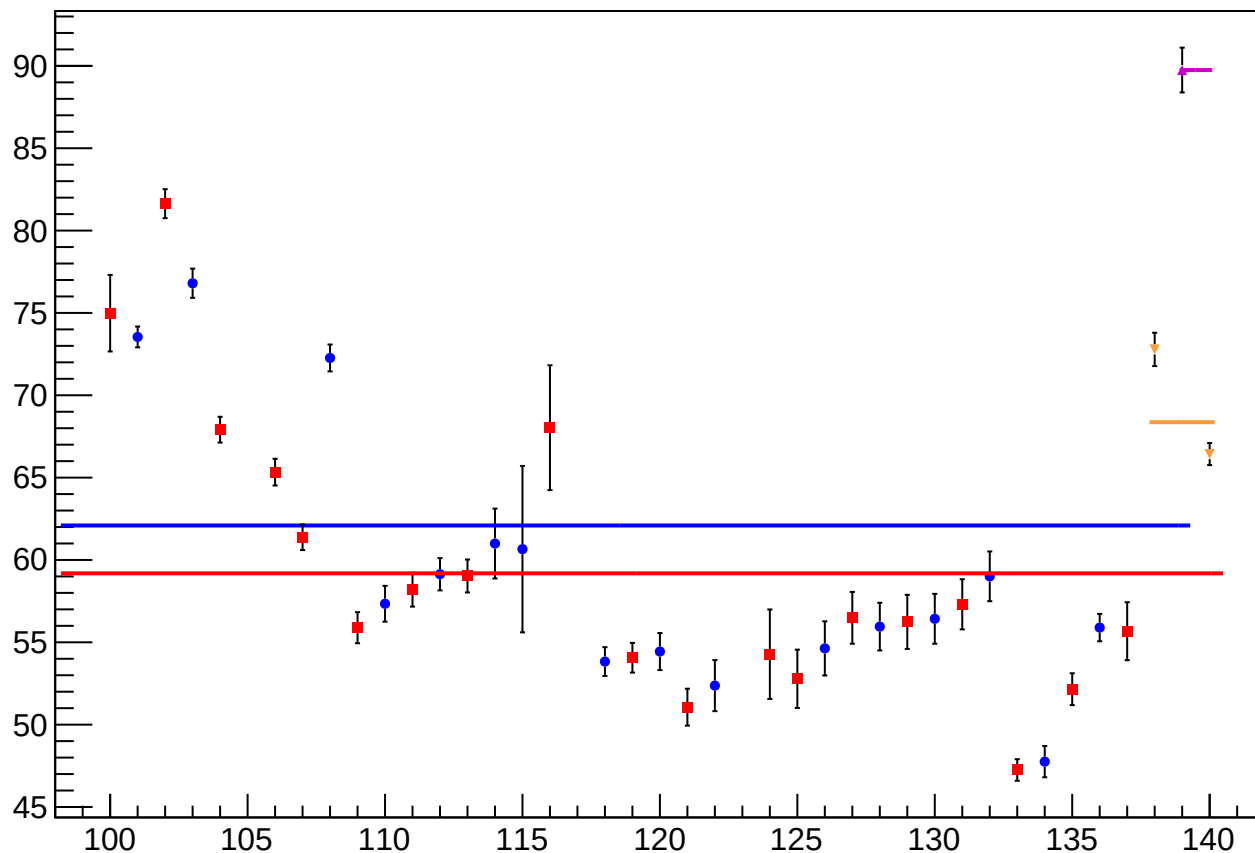
Left In: -2.214 ± 0.741 χ^2/NDF : 0.0/0

+ sign -2.712 ± 0.234 χ^2/NDF : 429.9/17

All: -1.520 ± 0.158 χ^2/NDF : 764.0/37

- sign -0.520 ± 0.214 χ^2/NDF : 286.3/19

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094 $\pm$ 0.265 χ^2/NDF : 1301.3/15

Left Out: 68.365 $\pm$ 0.558 χ^2/NDF : 27.4/1

Right Out: 59.188 $\pm$ 0.244 χ^2/NDF : 1402.1/18

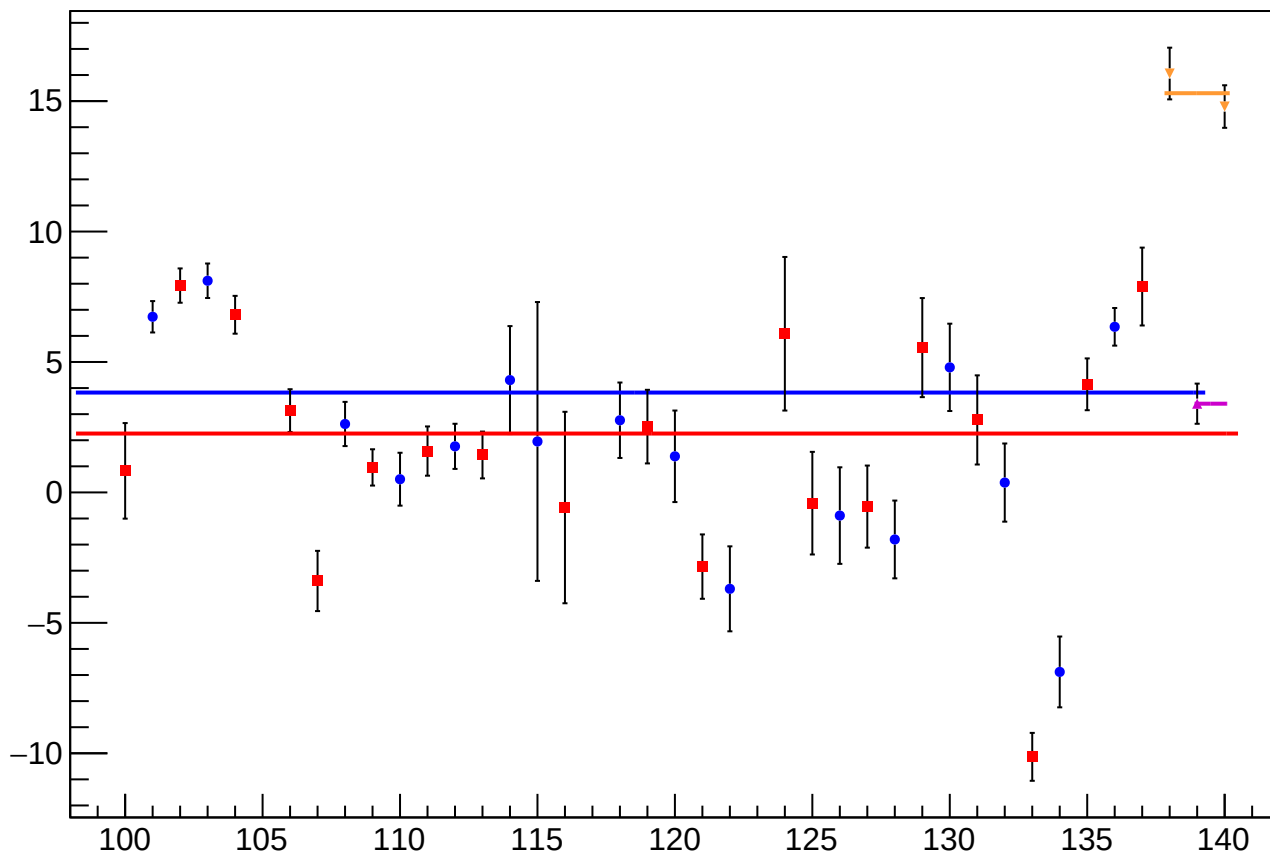
Left In: 89.748 $\pm$ 1.359 χ^2/NDF : 0.0/0

+ sign 63.249 $\pm$ 0.240 χ^2/NDF : 1431.6/17

All: 61.696 $\pm$ 0.170 χ^2/NDF : 3407.6/37

- sign 60.141 $\pm$ 0.240 χ^2/NDF : 1892.0/19

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828 ± 0.265 χ^2/NDF : 208.6/15

Left Out: 15.303 ± 0.630 χ^2/NDF : 1.0/1

Right Out: 2.257 ± 0.246 χ^2/NDF : 371.9/18

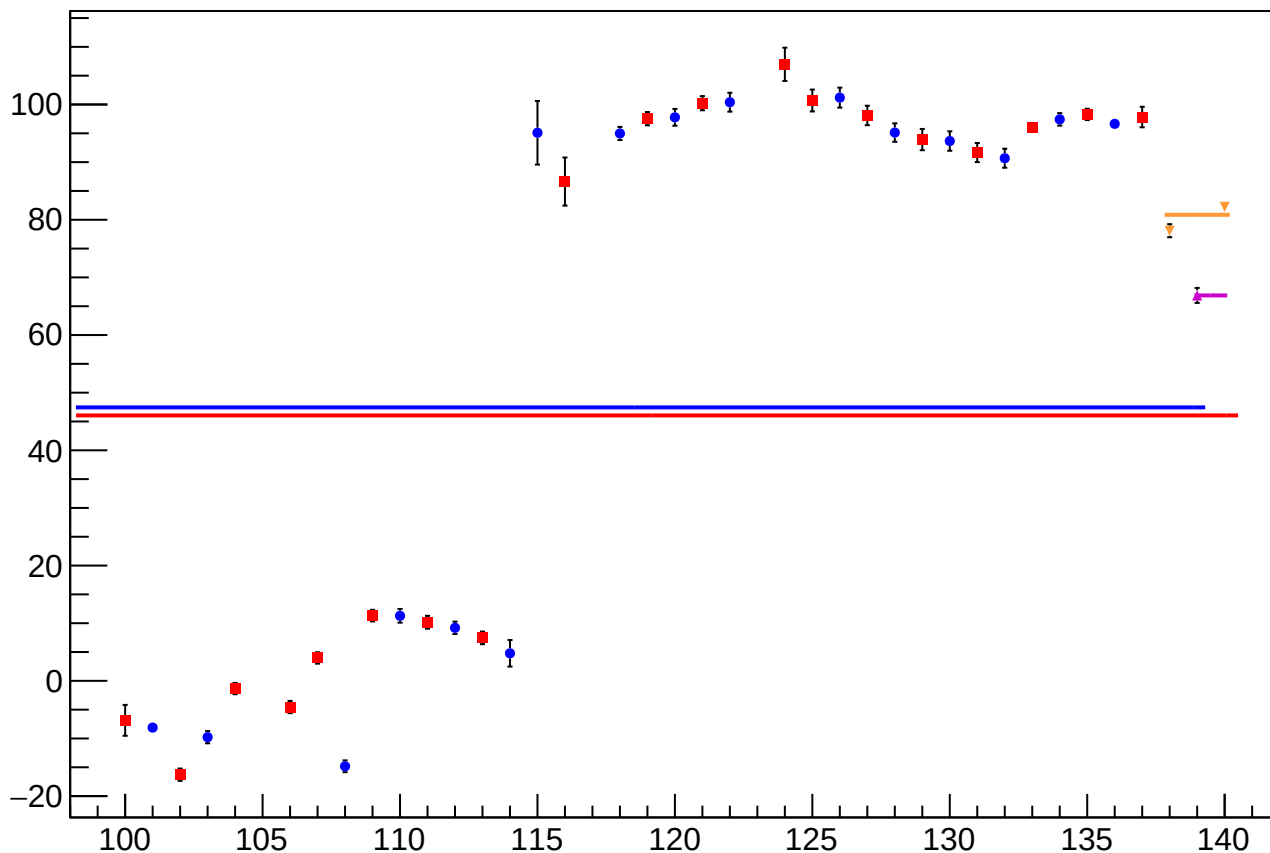
Left In: 3.401 ± 0.770 χ^2/NDF : 0.0/0

+ sign 5.557 ± 0.244 χ^2/NDF : 491.5/17

All: 3.895 ± 0.169 χ^2/NDF : 954.2/37

- sign 2.363 ± 0.235 χ^2/NDF : 373.9/19

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443 $\pm$ 0.308 χ^2 /NDF: 26886.9/15

Left Out: 80.862 $\pm$ 0.655 χ^2 /NDF: 8.9/1

Right Out: 46.053 $\pm$ 0.284 χ^2 /NDF: 28897.8/18

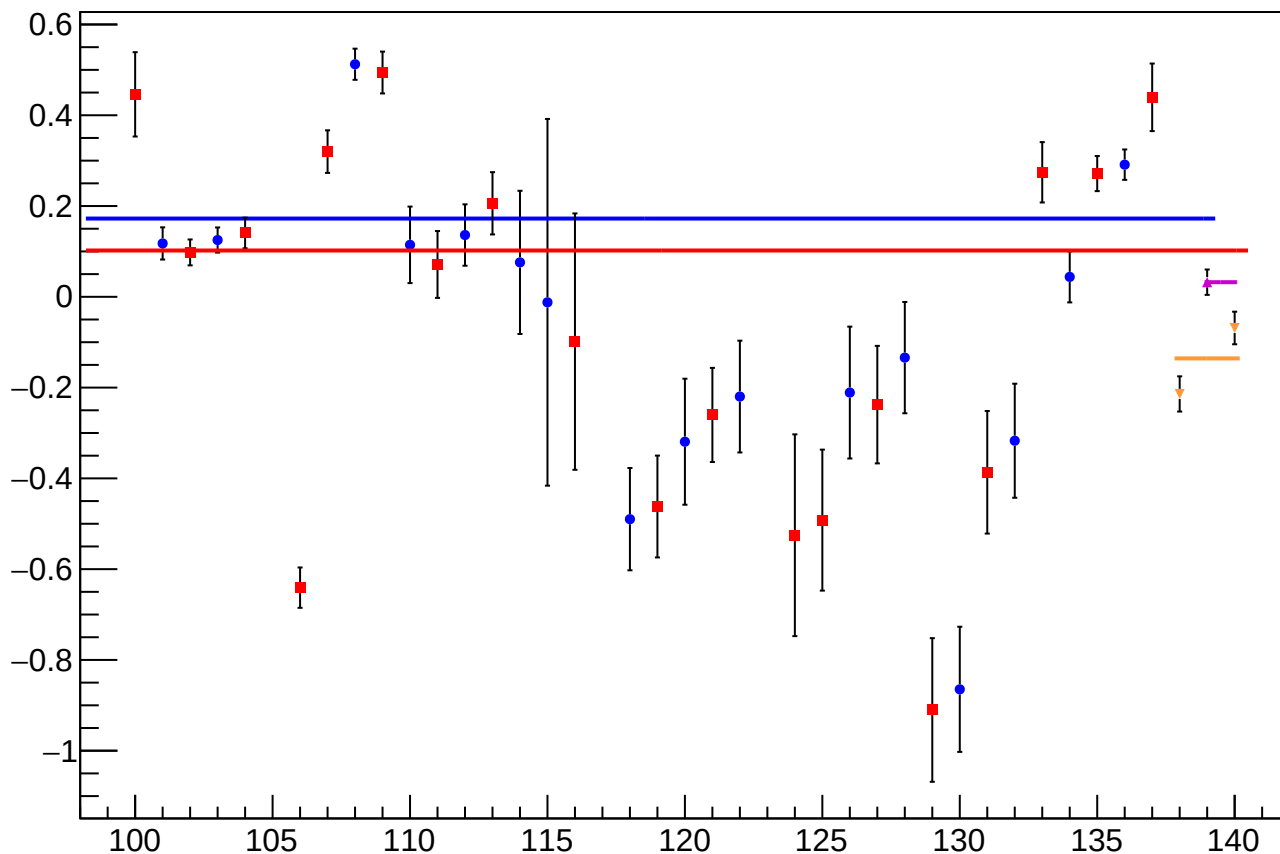
Left In: 66.873 $\pm$ 1.305 χ^2 /NDF: 0.0/0

+ sign 53.502 $\pm$ 0.279 χ^2 /NDF: 29029.4/17

All: 50.239 $\pm$ 0.197 χ^2 /NDF: 58443.1/37

- sign 46.996 $\pm$ 0.278 χ^2 /NDF: 29140.6/19

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172 ± 0.014 $\chi^2/\text{NDF}: 265.0/15$

Left Out: -0.136 ± 0.026 $\chi^2/\text{NDF}: 7.6/1$

Right Out: 0.102 ± 0.013 $\chi^2/\text{NDF}: 558.7/18$

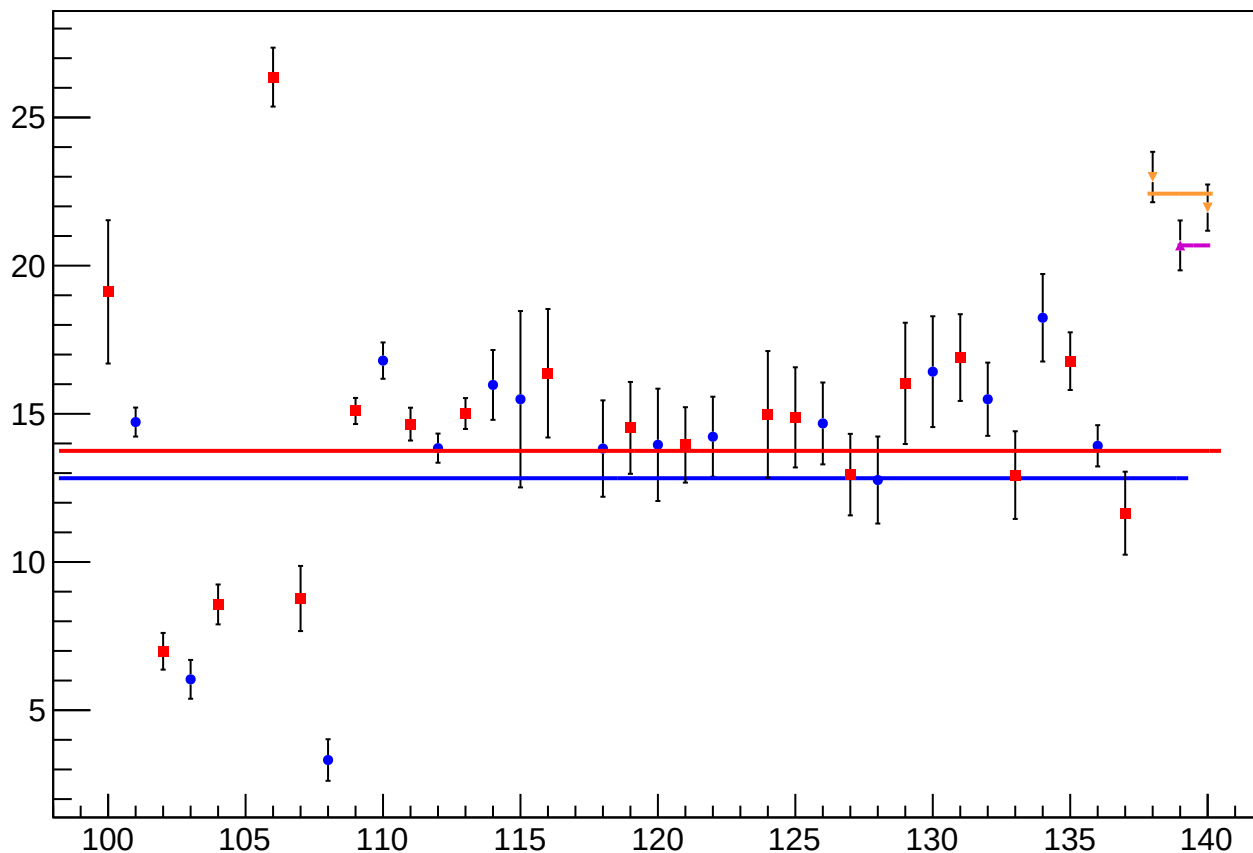
Left In: 0.032 ± 0.028 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.103 ± 0.012 $\chi^2/\text{NDF}: 378.7/17$

All: 0.096 ± 0.009 $\chi^2/\text{NDF}: 943.1/37$

- sign 0.089 ± 0.012 $\chi^2/\text{NDF}: 563.8/19$

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827 $\pm$ 0.214 χ^2 /NDF: 388.0/15

Left Out: 22.429 $\pm$ 0.575 χ^2 /NDF: 0.8/1

Right Out: 13.750 $\pm$ 0.204 χ^2 /NDF: 404.0/18

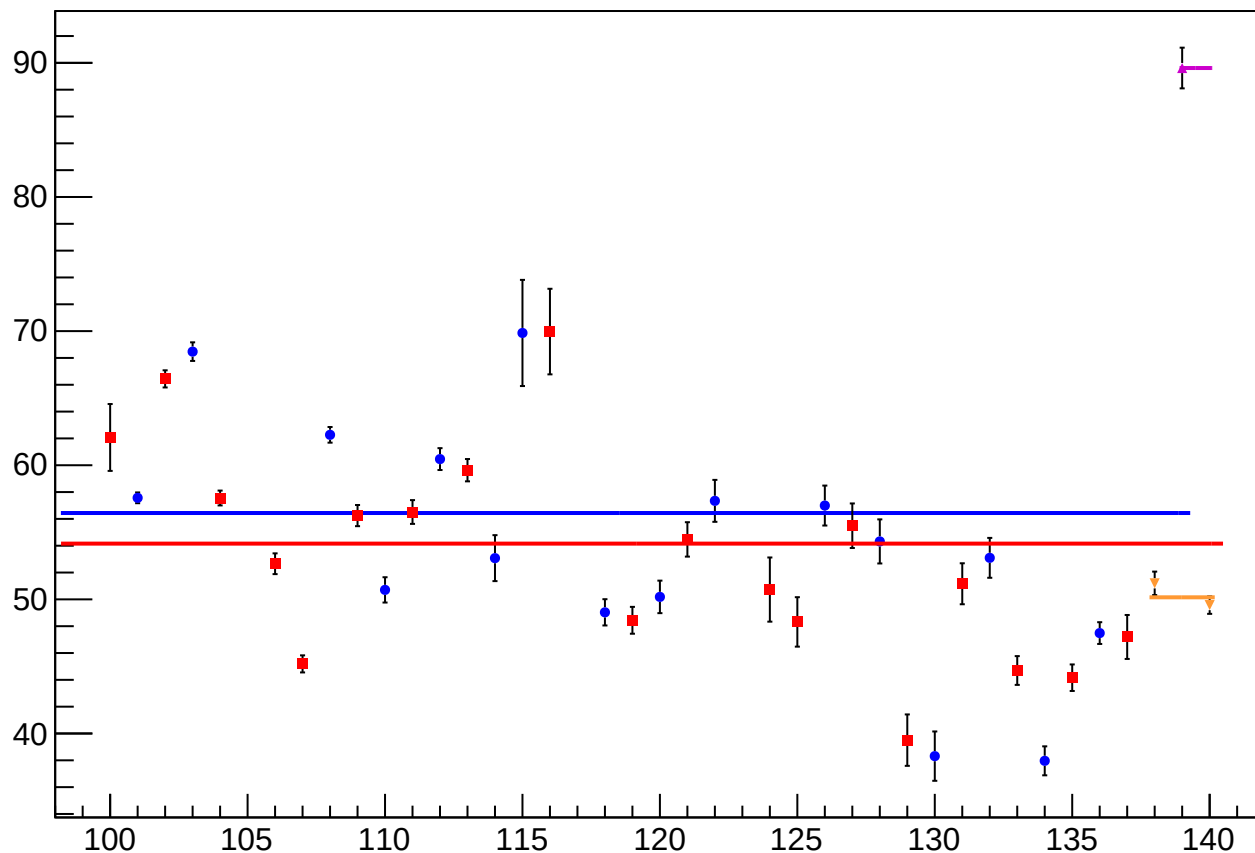
Left In: 20.683 $\pm$ 0.842 χ^2 /NDF: 0.0/0

+ sign 13.997 $\pm$ 0.201 χ^2 /NDF: 633.9/17

All: 14.067 $\pm$ 0.141 χ^2 /NDF: 1102.1/37

- sign 14.135 $\pm$ 0.198 χ^2 /NDF: 468.0/19

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438 $\pm$ 0.222 χ^2 /NDF: 1088.0/15

Left Out: 50.153 $\pm$ 0.523 χ^2 /NDF: 2.2/1

Right Out: 54.156 $\pm$ 0.225 χ^2 /NDF: 1006.6/18

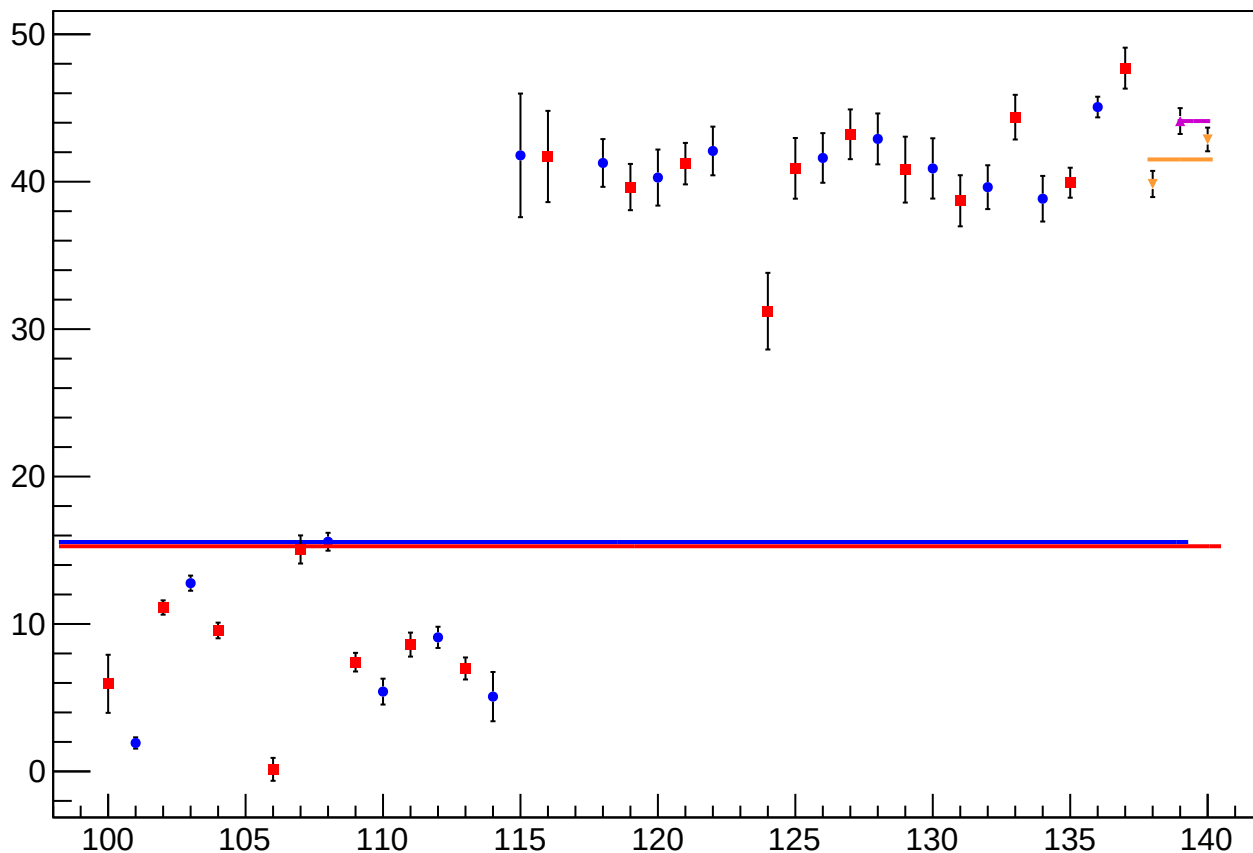
Left In: 89.615 $\pm$ 1.517 χ^2 /NDF: 0.0/0

+ sign 55.480 $\pm$ 0.204 χ^2 /NDF: 1212.7/17

All: 55.222 $\pm$ 0.150 χ^2 /NDF: 2757.3/37

- sign 54.916 $\pm$ 0.222 χ^2 /NDF: 1541.2/19

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561 $\pm$ 0.214 χ^2 /NDF: 5176.0/15

Left Out: 41.509 $\pm$ 0.595 χ^2 /NDF: 6.4/1

Right Out: 15.272 $\pm$ 0.219 χ^2 /NDF: 3873.0/18

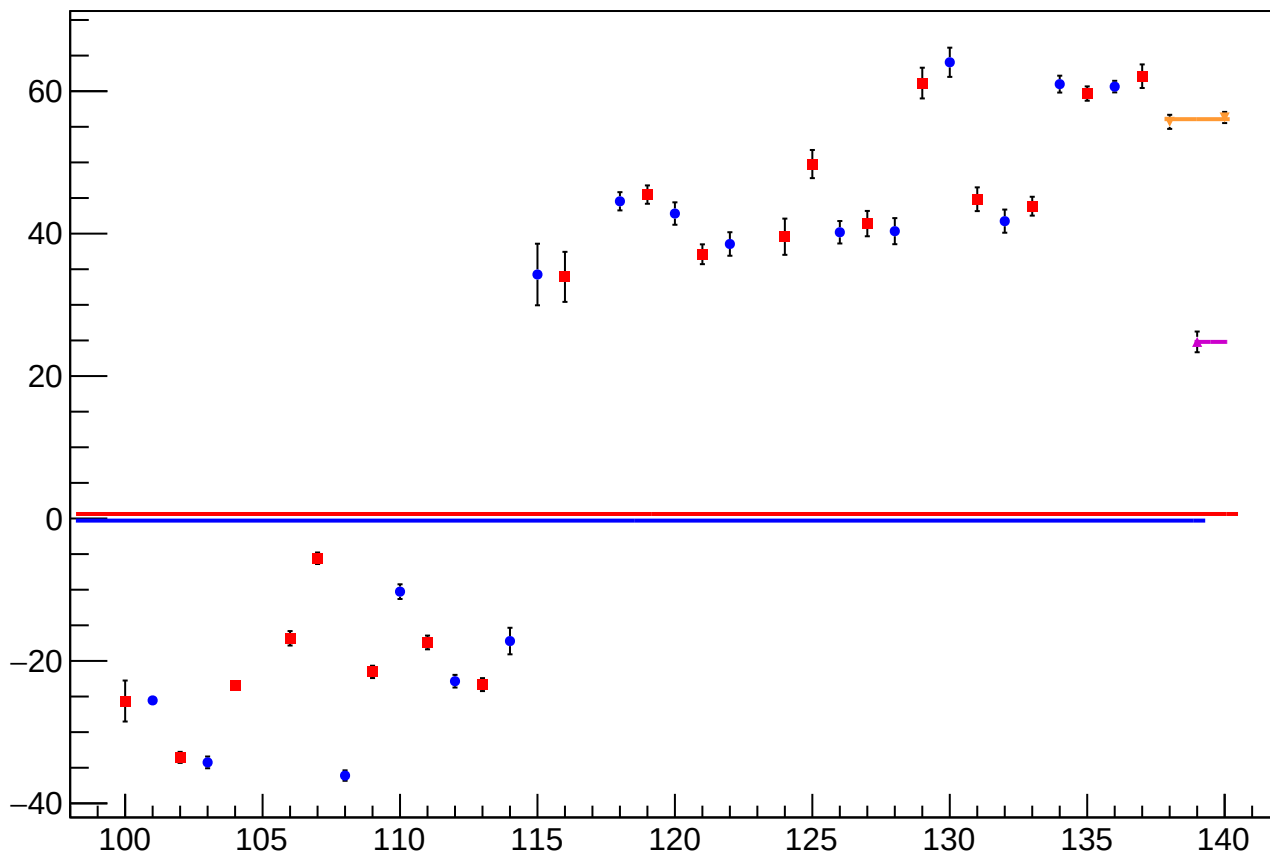
Left In: 44.113 $\pm$ 0.877 χ^2 /NDF: 0.0/0

+ sign 18.531 $\pm$ 0.201 χ^2 /NDF: 6865.5/17

All: 17.791 $\pm$ 0.146 χ^2 /NDF: 11784.2/37

- sign 16.965 $\pm$ 0.213 χ^2 /NDF: 4890.1/19

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296 ± 0.261 χ^2/NDF : 21030.9/15

Left Out: 56.072 ± 0.614 χ^2/NDF : 0.2/1

Right Out: 0.633 ± 0.264 χ^2/NDF : 16028.1/18

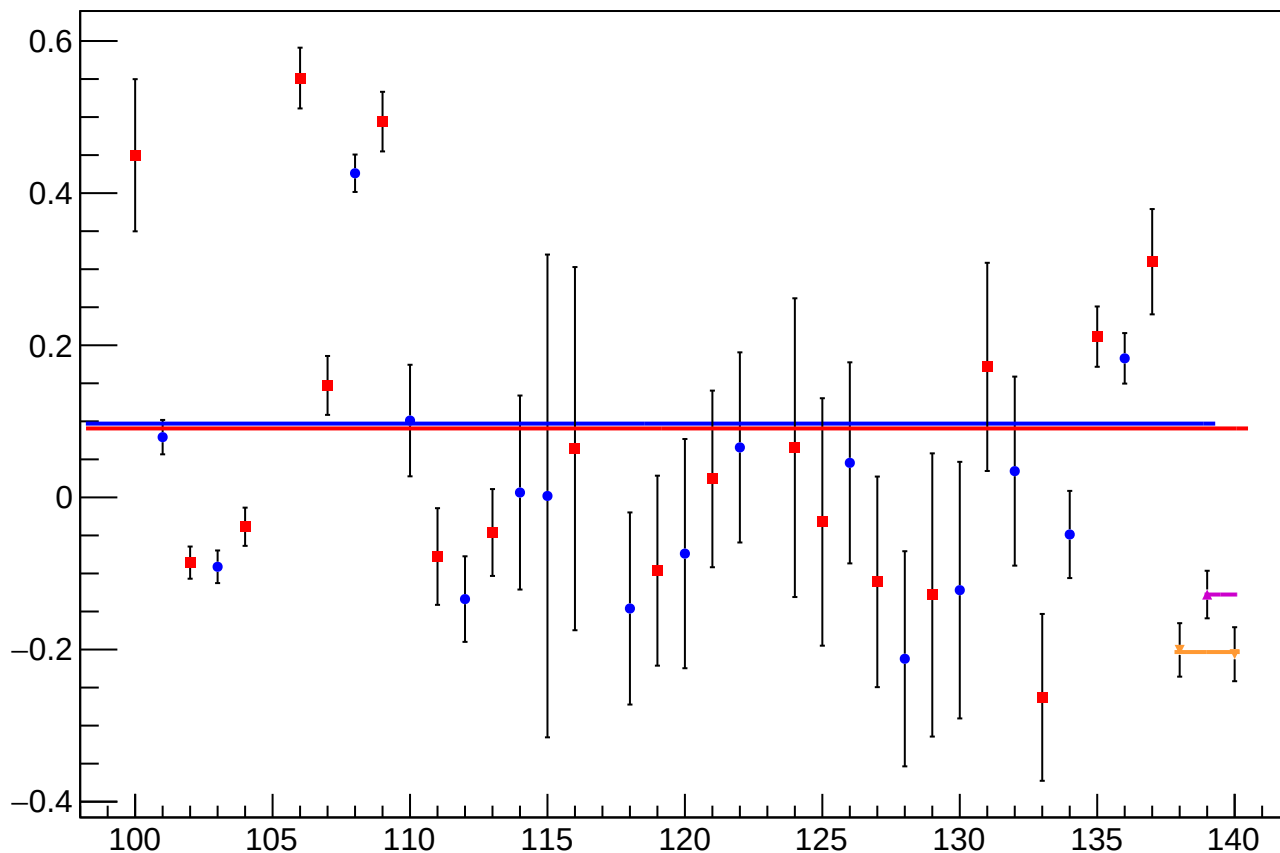
Left In: 24.798 ± 1.455 χ^2/NDF : 0.0/0

+ sign 8.350 ± 0.241 χ^2/NDF : 28163.5/17

All: 5.137 ± 0.176 χ^2/NDF : 44844.6/37

- sign 1.401 ± 0.259 χ^2/NDF : 16295.2/19

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097 ± 0.011 χ^2/NDF : 299.1/15

Left Out: -0.203 ± 0.025 χ^2/NDF : 0.0/1

Right Out: 0.091 ± 0.011 χ^2/NDF : 399.5/18

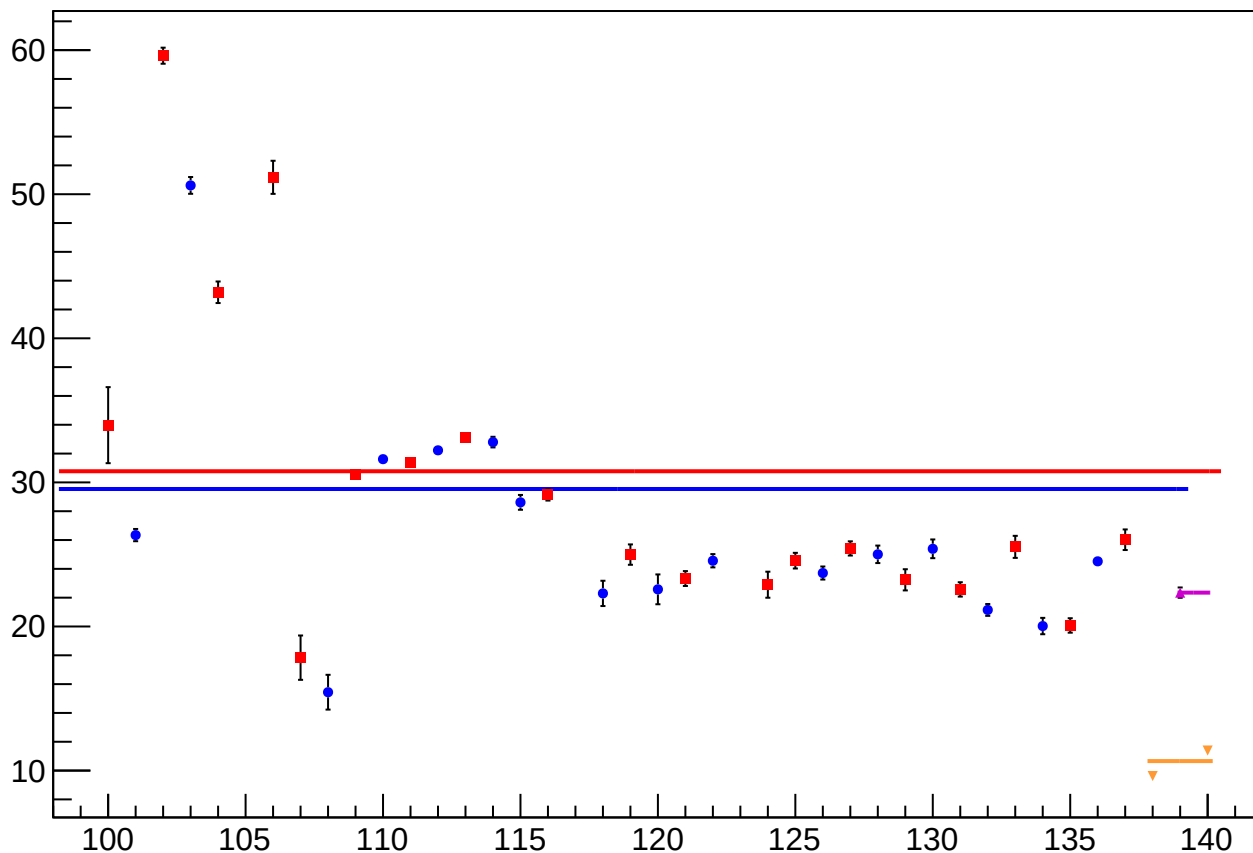
Left In: -0.128 ± 0.031 χ^2/NDF : 0.0/0

+ sign 0.047 ± 0.010 χ^2/NDF : 419.4/17

All: 0.055 ± 0.007 χ^2/NDF : 863.5/37

- sign 0.065 ± 0.011 χ^2/NDF : 442.5/19

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542 $\pm$ 0.092 χ^2 /NDF: 3372.2/15

Left Out: 10.659 $\pm$ 0.212 χ^2 /NDF: 16.9/1

Right Out: 30.774 $\pm$ 0.080 χ^2 /NDF: 5079.2/18

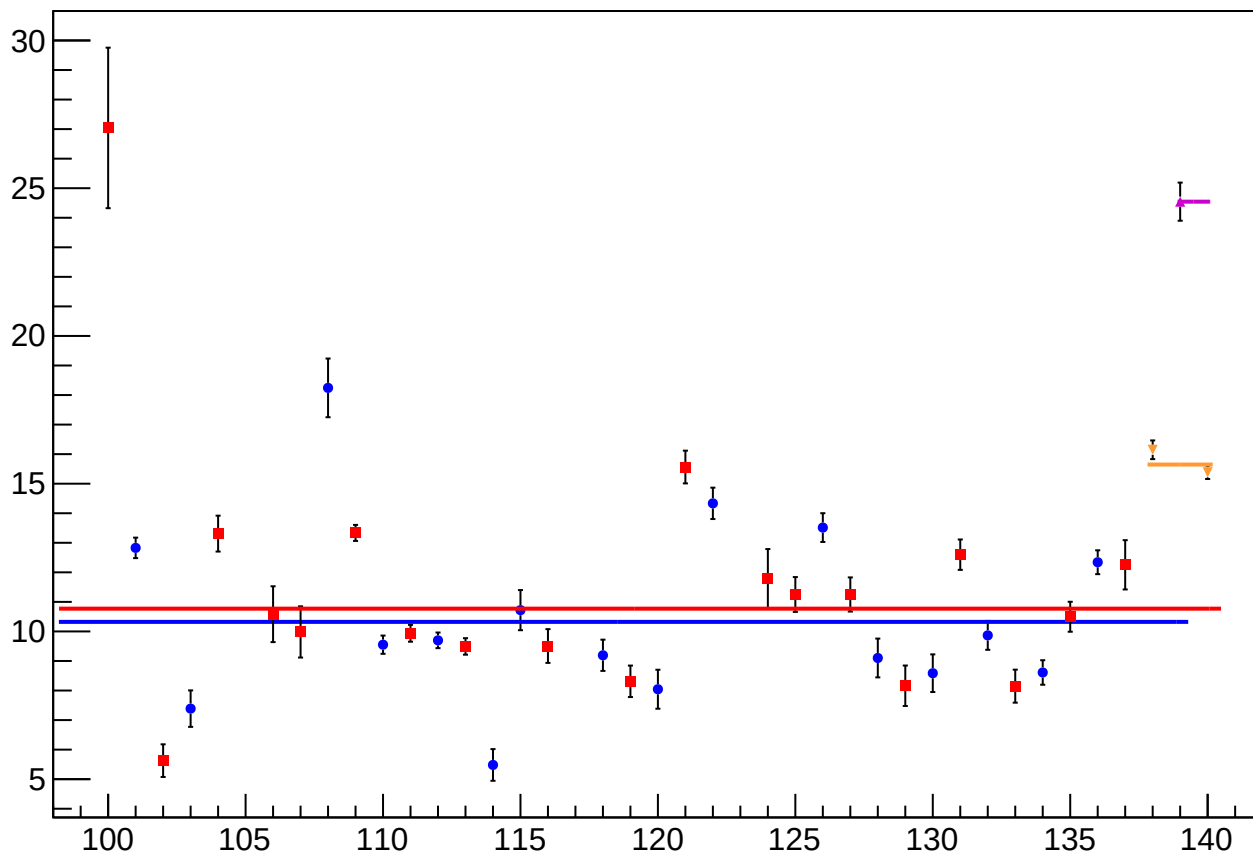
Left In: 22.350 $\pm$ 0.357 χ^2 /NDF: 0.0/0

+ sign 26.551 $\pm$ 0.084 χ^2 /NDF: 10067.0/17

All: 28.605 $\pm$ 0.057 χ^2 /NDF: 16777.4/37

- sign 30.370 $\pm$ 0.078 χ^2 /NDF: 5608.6/19

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324 ± 0.114 $\chi^2/\text{NDF}: 402.6/15$

Left Out: 15.648 ± 0.185 $\chi^2/\text{NDF}: 3.8/1$

Right Out: 10.771 ± 0.113 $\chi^2/\text{NDF}: 415.8/18$

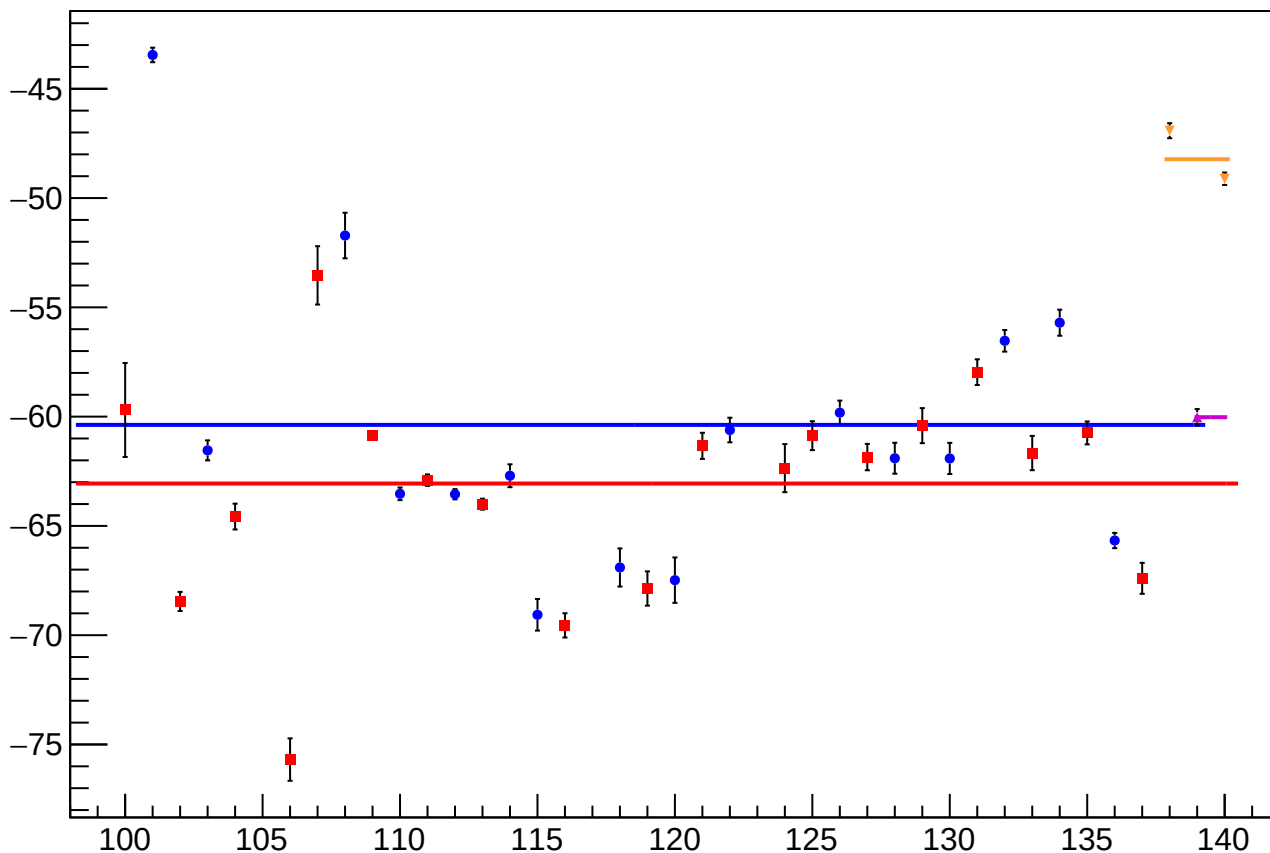
Left In: 24.544 ± 0.646 $\chi^2/\text{NDF}: 0.0/0$

+ sign 11.788 ± 0.097 $\chi^2/\text{NDF}: 1006.8/17$

All: 11.525 ± 0.073 $\chi^2/\text{NDF}: 1881.3/37$

- sign 11.180 ± 0.111 $\chi^2/\text{NDF}: 857.5/19$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377 ± 0.113 χ^2/NDF : 3597.6/15

Left Out: -48.223 ± 0.219 χ^2/NDF : 24.3/1

Right Out: -63.061 ± 0.107 χ^2/NDF : 844.1/18

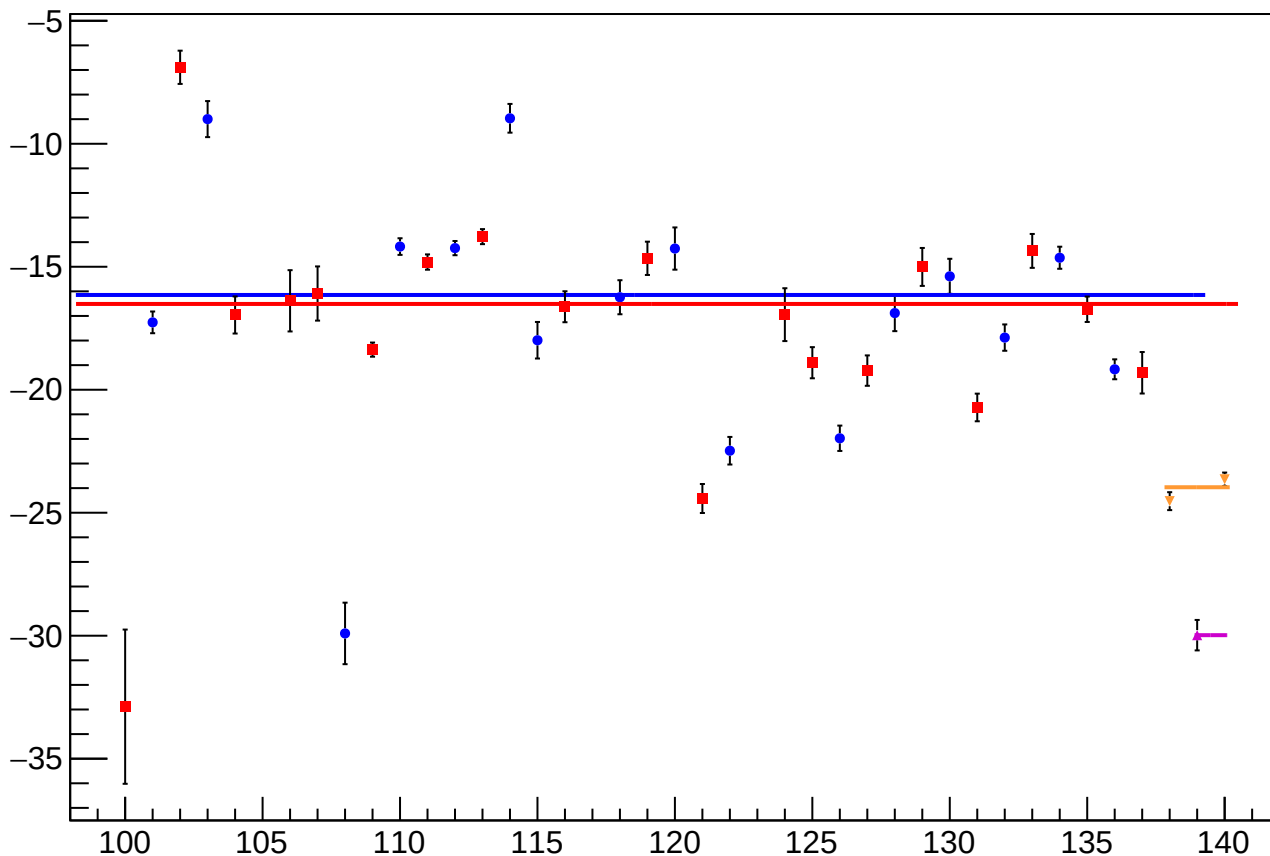
Left In: -60.025 ± 0.372 χ^2/NDF : 0.0/0

+ sign -57.826 ± 0.100 χ^2/NDF : 6049.8/17

All: -60.263 ± 0.072 χ^2/NDF : 8163.4/37

- sign -62.829 ± 0.103 χ^2/NDF : 905.5/19

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147 ± 0.127 χ^2/NDF : 797.1/15

Left Out: -23.964 ± 0.219 χ^2/NDF : 3.8/1

Right Out: -16.512 ± 0.125 χ^2/NDF : 684.7/18

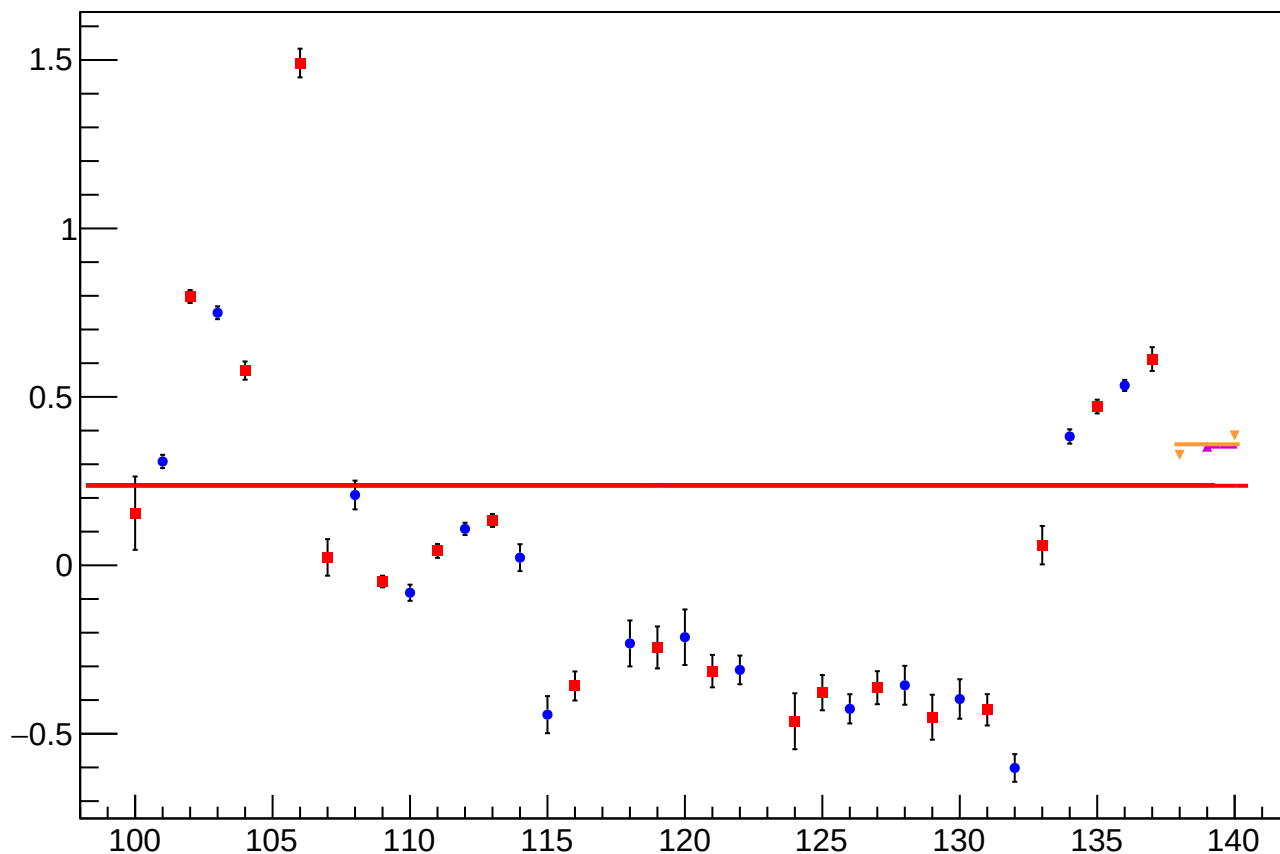
Left In: -29.978 ± 0.619 χ^2/NDF : 0.0/0

+ sign -18.112 ± 0.110 χ^2/NDF : 1750.7/17

All: -17.630 ± 0.082 χ^2/NDF : 2932.8/37

- sign -17.037 ± 0.122 χ^2/NDF : 1139.2/19

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238 $\pm$ 0.007 χ^2 /NDF: 2632.9/15

Left Out: 0.359 $\pm$ 0.009 χ^2 /NDF: 9.5/1

Right Out: 0.236 $\pm$ 0.007 χ^2 /NDF: 3595.0/18

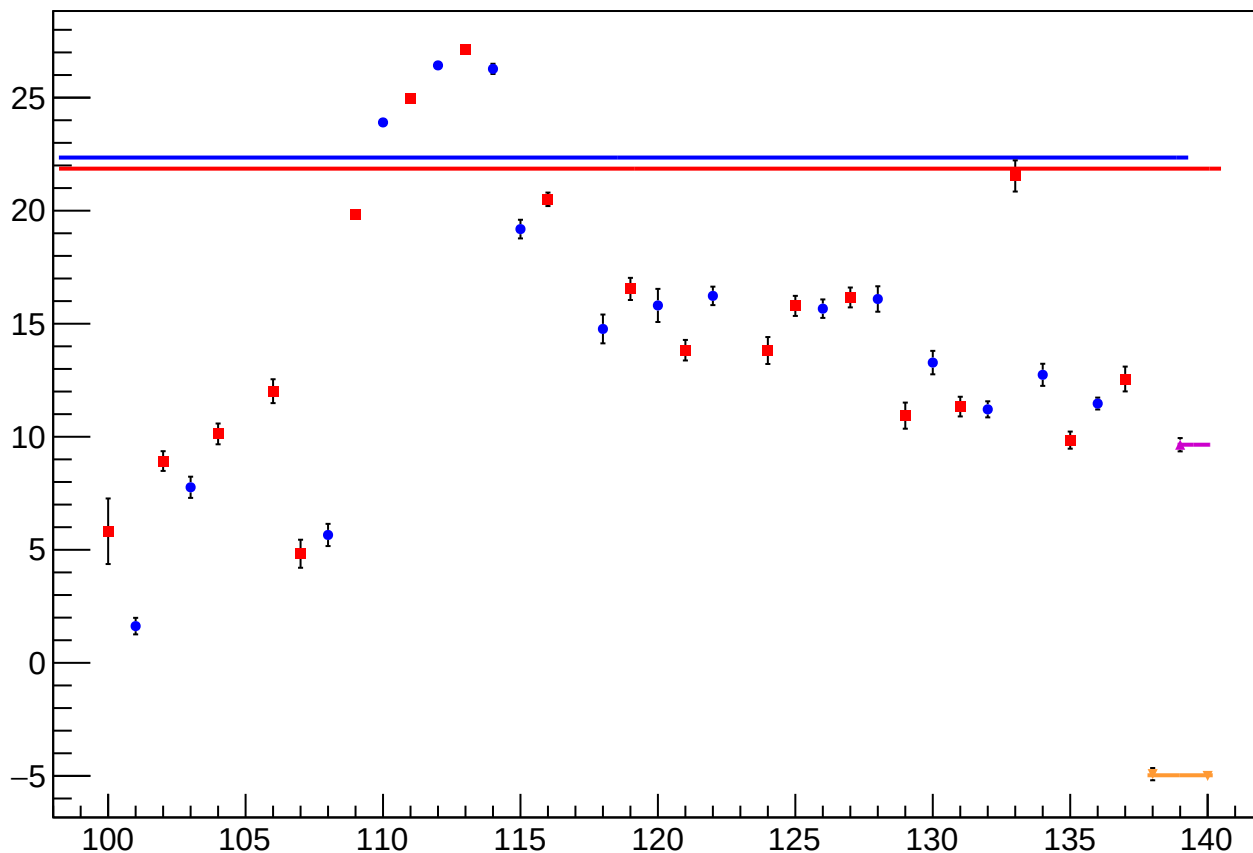
Left In: 0.352 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 0.282 $\pm$ 0.006 χ^2 /NDF: 2749.7/17

All: 0.273 $\pm$ 0.004 χ^2 /NDF: 6409.7/37

- sign 0.262 $\pm$ 0.006 χ^2 /NDF: 3654.5/19

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350 $\pm$ 0.057 χ^2 /NDF: 12336.9/15

Left Out: -4.972 $\pm$ 0.168 χ^2 /NDF: 0.1/1

Right Out: 21.859 $\pm$ 0.046 χ^2 /NDF: 10692.4/18

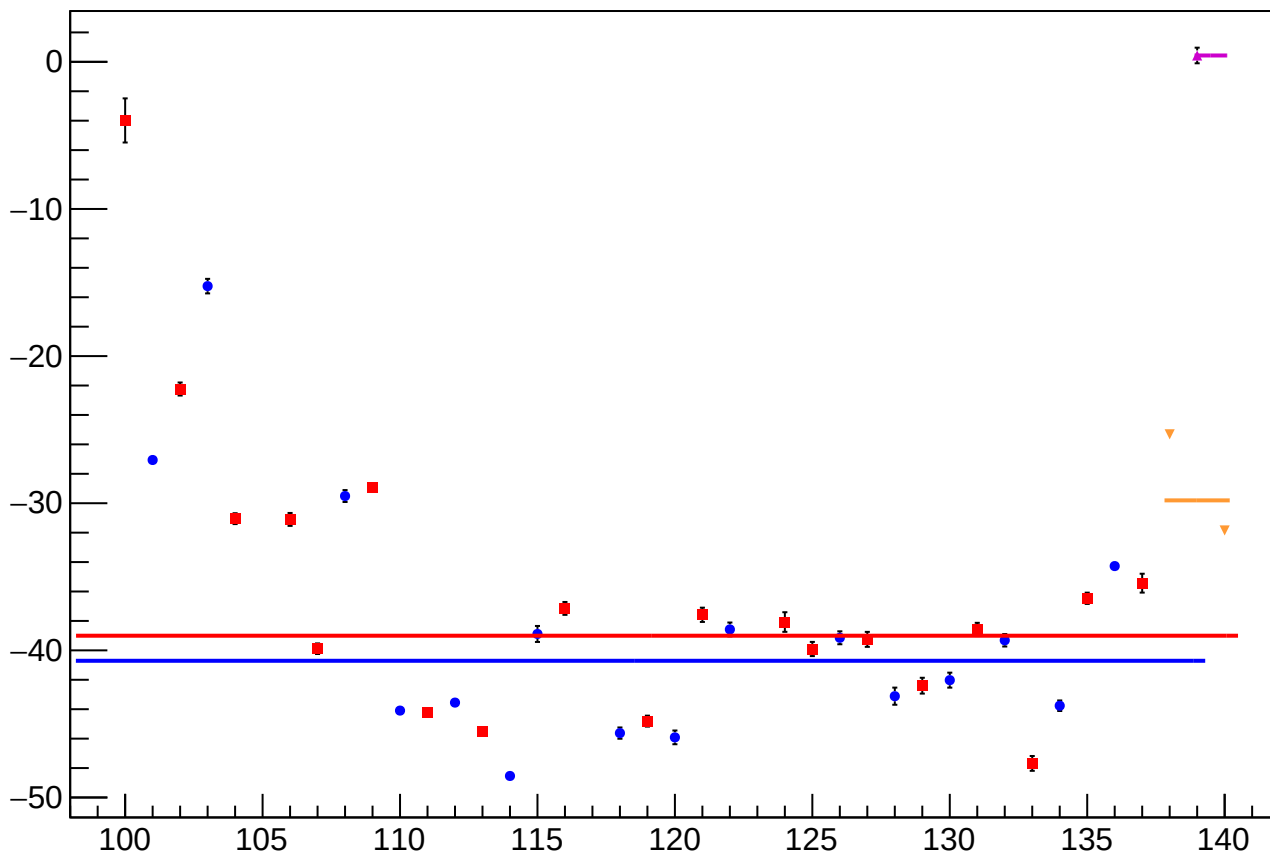
Left In: 9.648 $\pm$ 0.295 χ^2 /NDF: 0.0/0

+ sign 19.567 $\pm$ 0.054 χ^2 /NDF: 36109.8/17

All: 20.724 $\pm$ 0.035 χ^2 /NDF: 49279.9/37

- sign 21.566 $\pm$ 0.046 χ^2 /NDF: 12365.5/19

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709 ± 0.076 $\chi^2/\text{NDF}: 7780.4/15$

Left Out: -29.806 ± 0.146 $\chi^2/\text{NDF}: 427.6/1$

Right Out: -39.005 ± 0.071 $\chi^2/\text{NDF}: 10101.3/18$

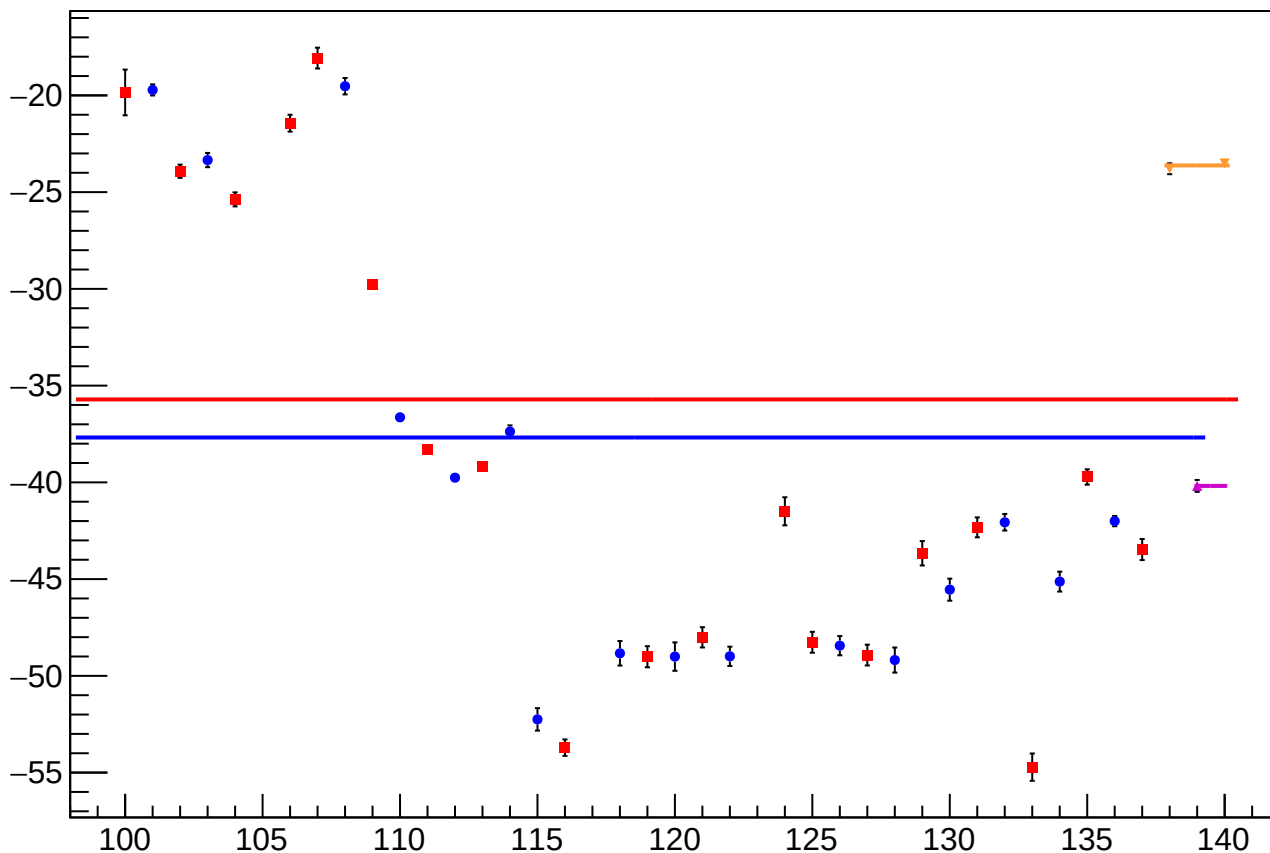
Left In: 0.432 ± 0.531 $\chi^2/\text{NDF}: 0.0/0$

+ sign -38.373 ± 0.068 $\chi^2/\text{NDF}: 12560.2/17$

All: -38.343 ± 0.049 $\chi^2/\text{NDF}: 28082.8/37$

- sign -38.311 ± 0.070 $\chi^2/\text{NDF}: 15522.3/19$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681 ± 0.074 χ^2/NDF : 10853.9/15

Left Out: -23.619 ± 0.174 χ^2/NDF : 0.6/1

Right Out: -35.714 ± 0.064 χ^2/NDF : 13274.5/18

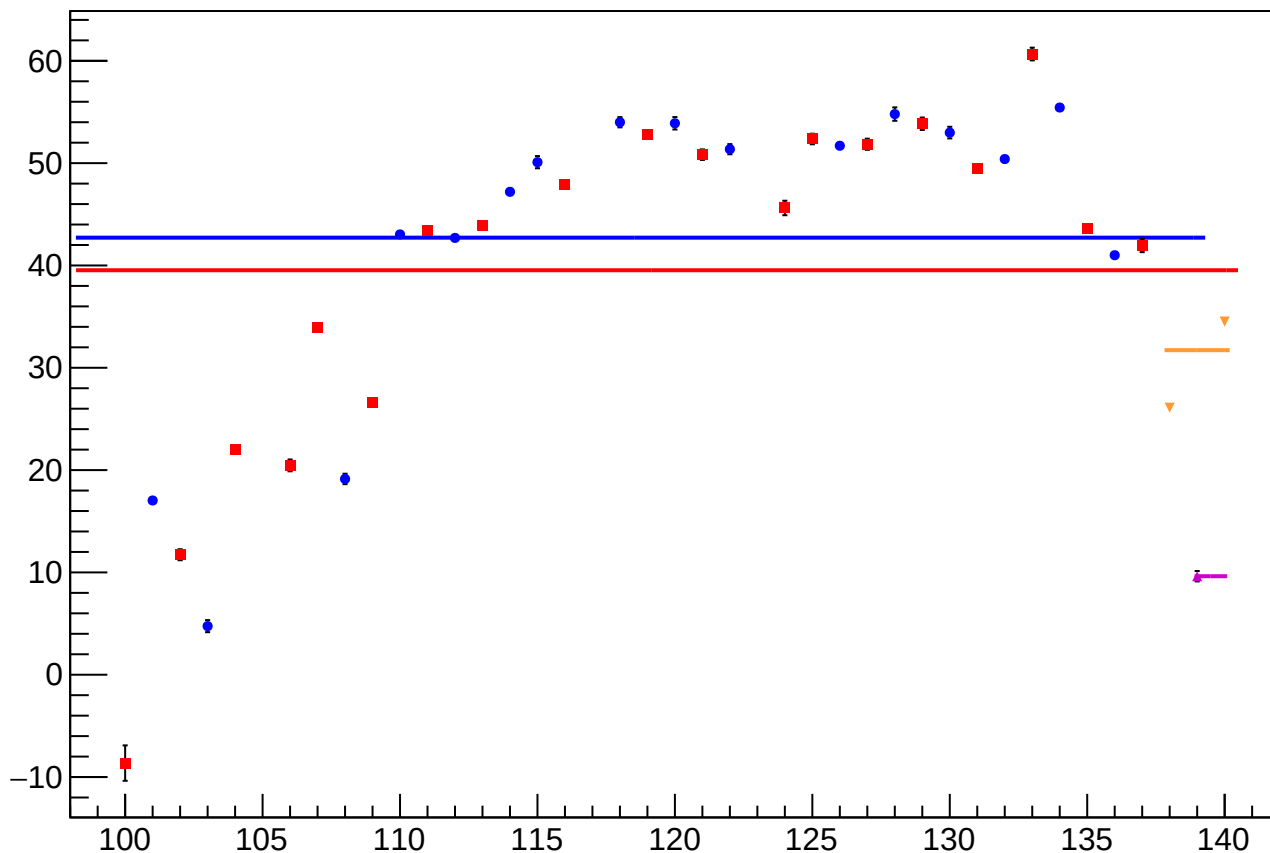
Left In: -40.183 ± 0.308 χ^2/NDF : 0.0/0

+ sign -35.532 ± 0.068 χ^2/NDF : 16410.6/17

All: -35.730 ± 0.046 χ^2/NDF : 29903.4/37

- sign -35.901 ± 0.063 χ^2/NDF : 13476.9/19

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718 $\pm$ 0.085 χ^2 /NDF: 14765.0/15

Left Out: 31.720 $\pm$ 0.174 χ^2 /NDF: 521.6/1

Right Out: 39.533 $\pm$ 0.078 χ^2 /NDF: 17978.2/18

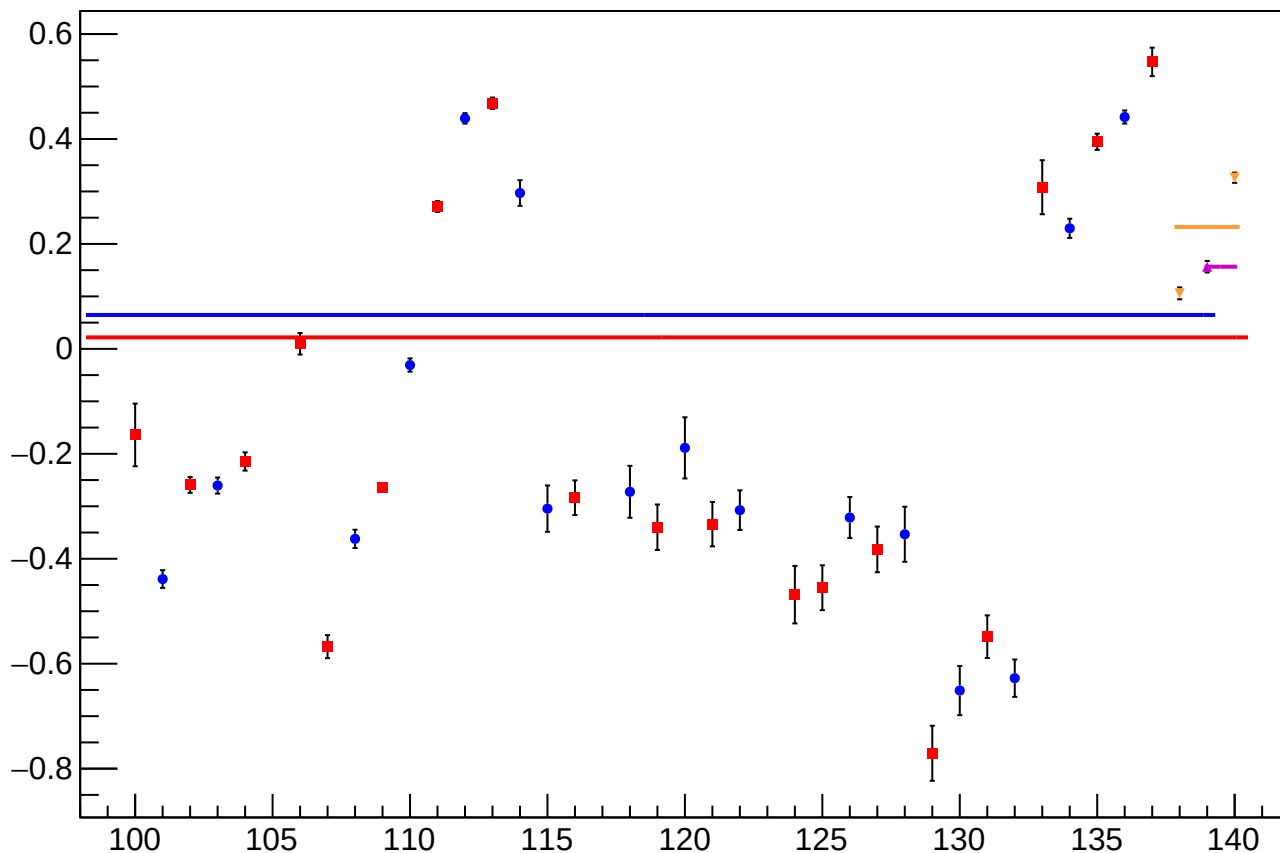
Left In: 9.628 $\pm$ 0.509 χ^2 /NDF: 0.0/0

+ sign 40.591 $\pm$ 0.076 χ^2 /NDF: 18520.8/17

All: 39.727 $\pm$ 0.054 χ^2 /NDF: 40129.9/37

- sign 38.844 $\pm$ 0.077 χ^2 /NDF: 21350.7/19

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.005 χ^2 /NDF: 5497.5/15

Left Out: 0.232 $\pm$ 0.007 χ^2 /NDF:215.8/1

Right Out: 0.022 $\pm$ 0.004 χ^2 /NDF: 6405.3/18

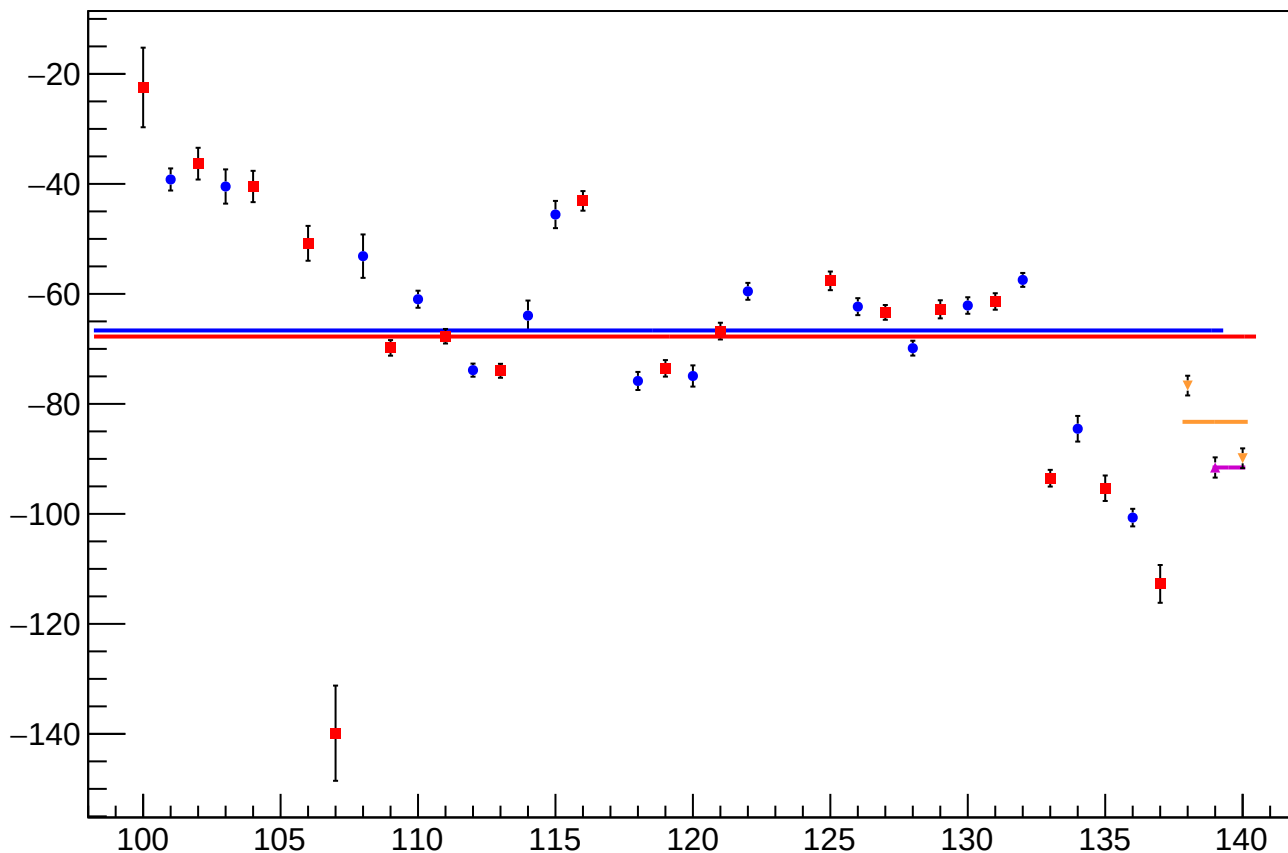
Left In: 0.157 $\pm$ 0.011 χ^2 /NDF:0.0/0

+ sign 0.115 $\pm$ 0.004 χ^2 /NDF: 6072.3/17

All: 0.078 $\pm$ 0.003 χ^2 /NDF: 12775.2/37

- sign 0.041 $\pm$ 0.004 χ^2 /NDF: 6536.2/19

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648 ± 0.426 $\chi^2/\text{NDF}: 1052.4/15$

Left Out: -83.263 ± 1.270 $\chi^2/\text{NDF}: 27.1/1$

Right Out: -67.755 ± 0.419 $\chi^2/\text{NDF}: 1255.4/17$

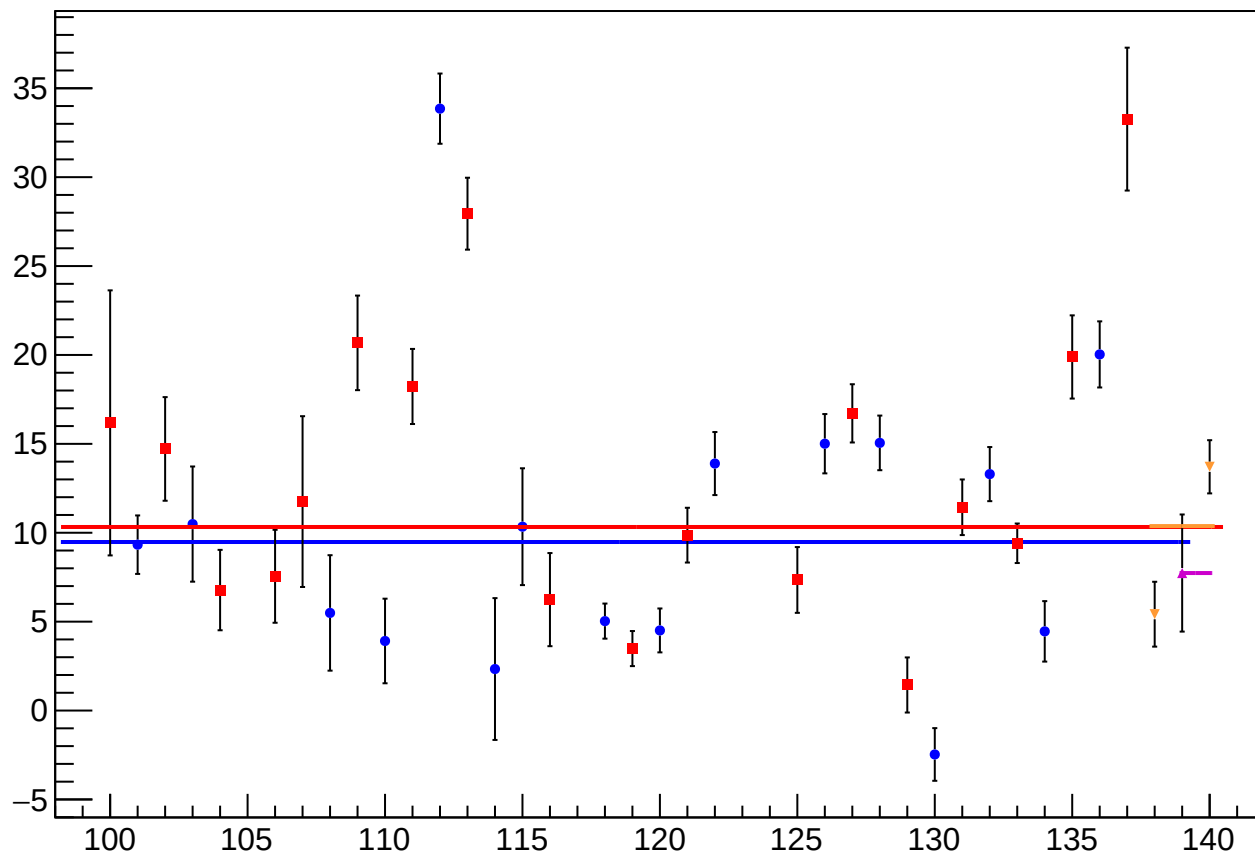
Left In: -91.564 ± 1.840 $\chi^2/\text{NDF}: 0.0/0$

+ sign -68.329 ± 0.404 $\chi^2/\text{NDF}: 1233.4/17$

All: -68.626 ± 0.287 $\chi^2/\text{NDF}: 2649.0/36$

- sign -68.931 ± 0.409 $\chi^2/\text{NDF}: 1414.5/18$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480 ± 0.428 χ^2/NDF : 341.9/15

Left Out: 10.376 ± 1.157 χ^2/NDF : 12.4/1

Right Out: 10.324 ± 0.436 χ^2/NDF : 263.4/17

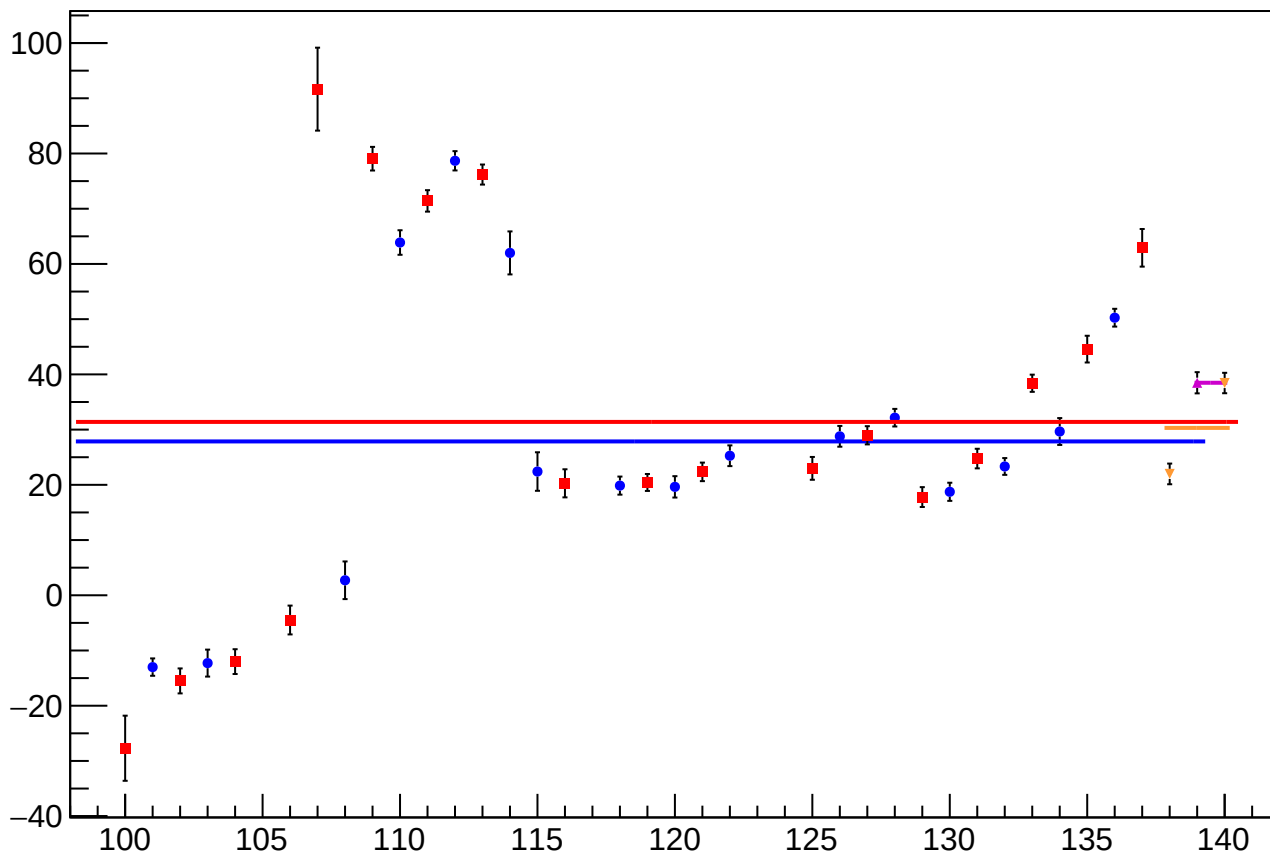
Left In: 7.734 ± 3.294 χ^2/NDF : 0.0/0

+ sign 9.588 ± 0.402 χ^2/NDF : 354.8/17

All: 9.909 ± 0.294 χ^2/NDF : 620.2/36

- sign 10.280 ± 0.432 χ^2/NDF : 264.0/18

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860 $\pm$ 0.482 χ^2 /NDF: 2474.0/15

Left Out: 30.308 $\pm$ 1.316 χ^2 /NDF: 39.1/1

Right Out: 31.394 $\pm$ 0.488 χ^2 /NDF: 3011.4/17

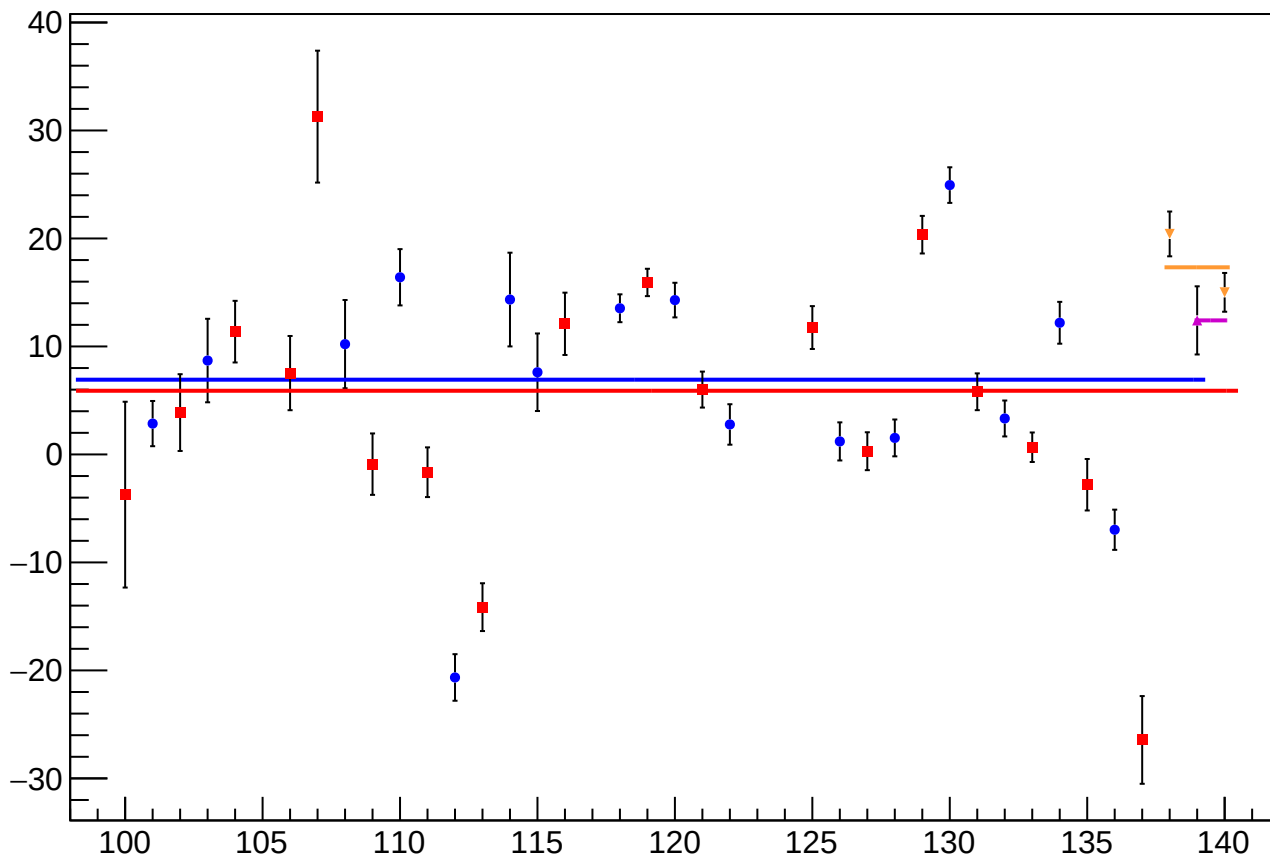
Left In: 38.483 $\pm$ 1.920 χ^2 /NDF: 0.0/0

+ sign 28.150 $\pm$ 0.453 χ^2 /NDF: 2516.2/17

All: 29.909 $\pm$ 0.327 χ^2 /NDF: 5571.9/36

- sign 31.823 $\pm$ 0.473 χ^2 /NDF: 3024.2/18

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922 ± 0.496 χ^2/NDF : 444.3/15

Left Out: 17.329 ± 1.358 χ^2/NDF : 3.9/1

Right Out: 5.896 ± 0.502 χ^2/NDF : 367.7/17

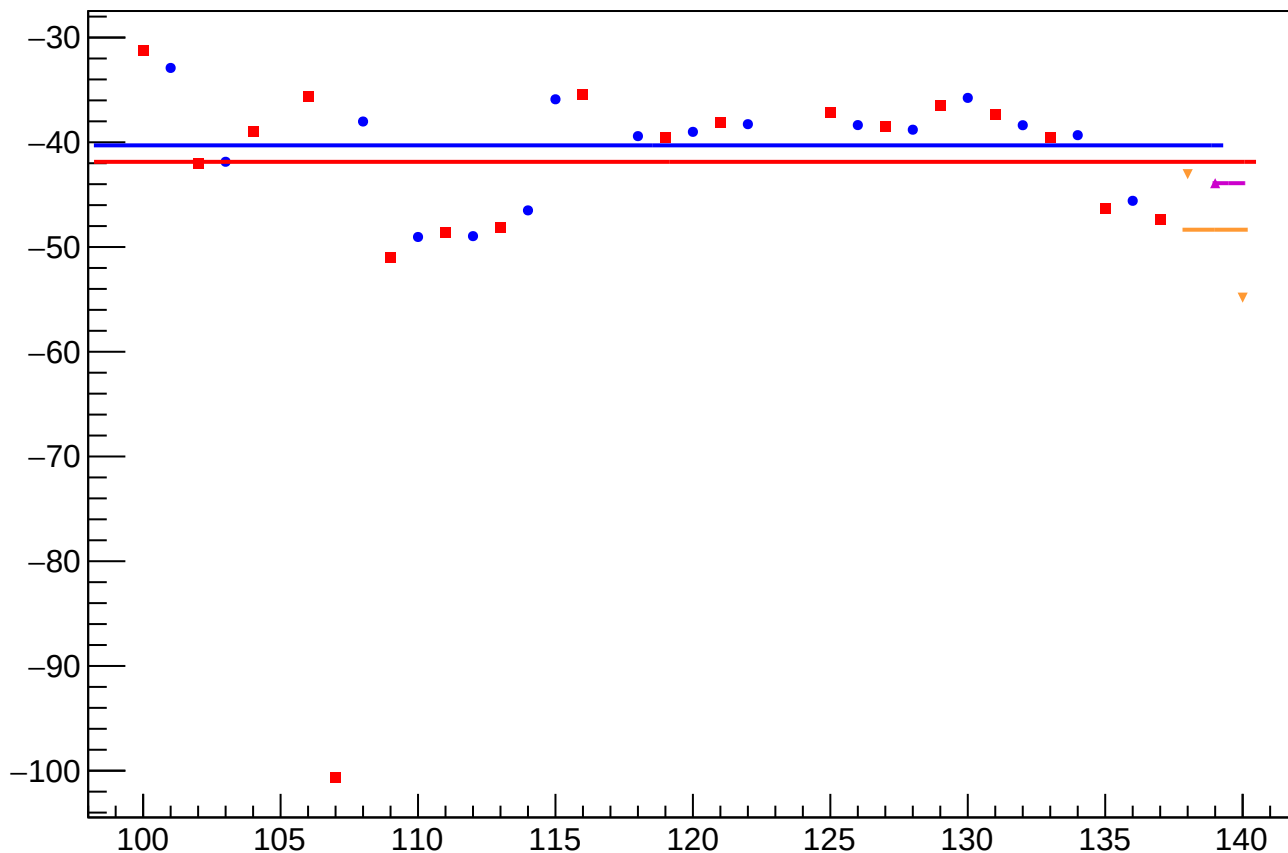
Left In: 12.412 ± 3.156 χ^2/NDF : 0.0/0

+ sign 8.145 ± 0.466 χ^2/NDF : 500.1/17

All: 7.166 ± 0.339 χ^2/NDF : 881.3/36

- sign 6.057 ± 0.495 χ^2/NDF : 371.8/18

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293 ± 0.031 χ^2/NDF : 20663.5/15

Left Out: -48.347 ± 0.055 χ^2/NDF : 11269.0/1

Right Out: -41.867 ± 0.032 χ^2/NDF : 58734.8/17

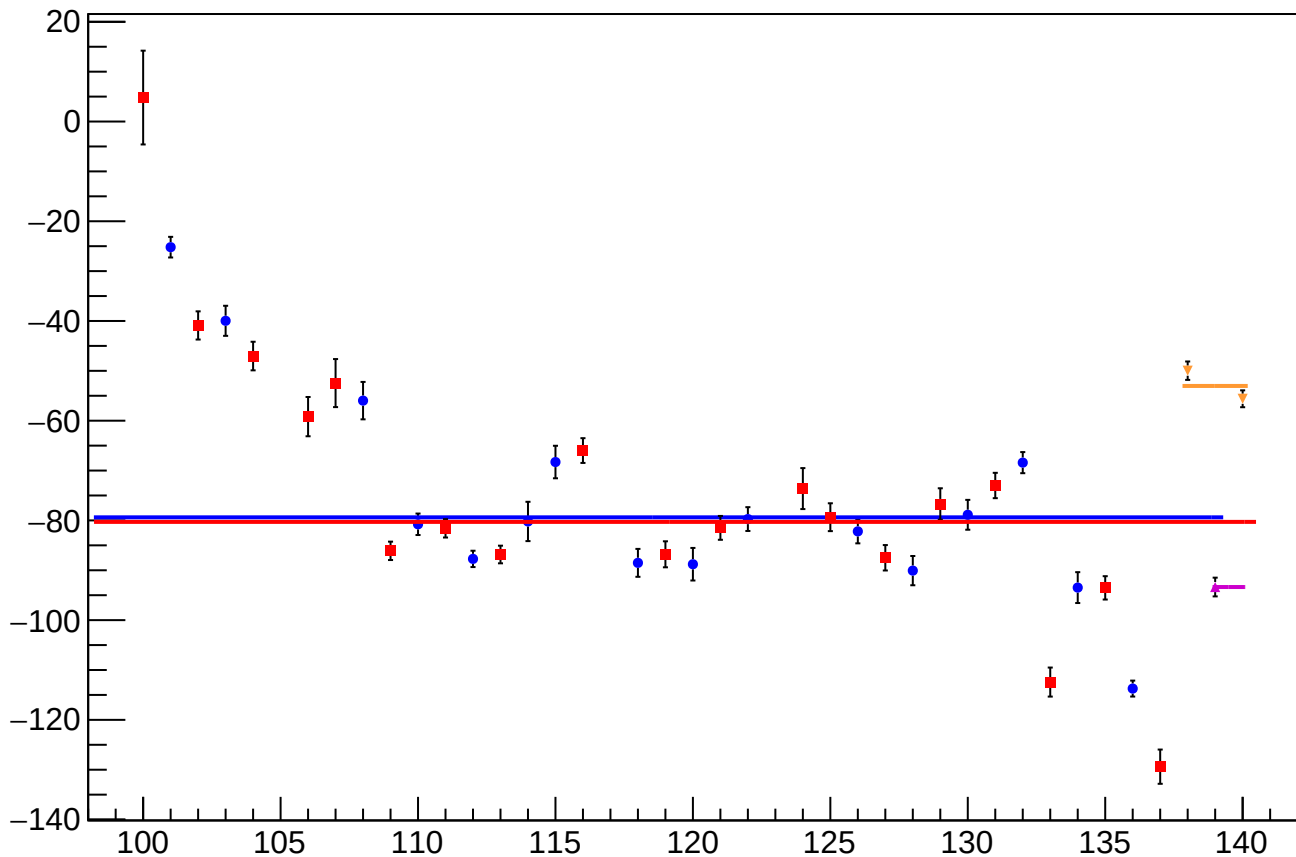
Left In: -43.905 ± 0.068 χ^2/NDF : 0.0/0

+ sign -42.260 ± 0.027 χ^2/NDF : 47999.2/17

All: -42.250 ± 0.020 χ^2/NDF : 107468.3/36

- sign -42.238 ± 0.029 χ^2/NDF : 59468.8/18

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382 ± 0.611 χ^2/NDF : 1475.9/15

Left Out: -53.032 ± 1.248 χ^2/NDF : 5.1/1

Right Out: -80.294 ± 0.604 χ^2/NDF : 914.7/18

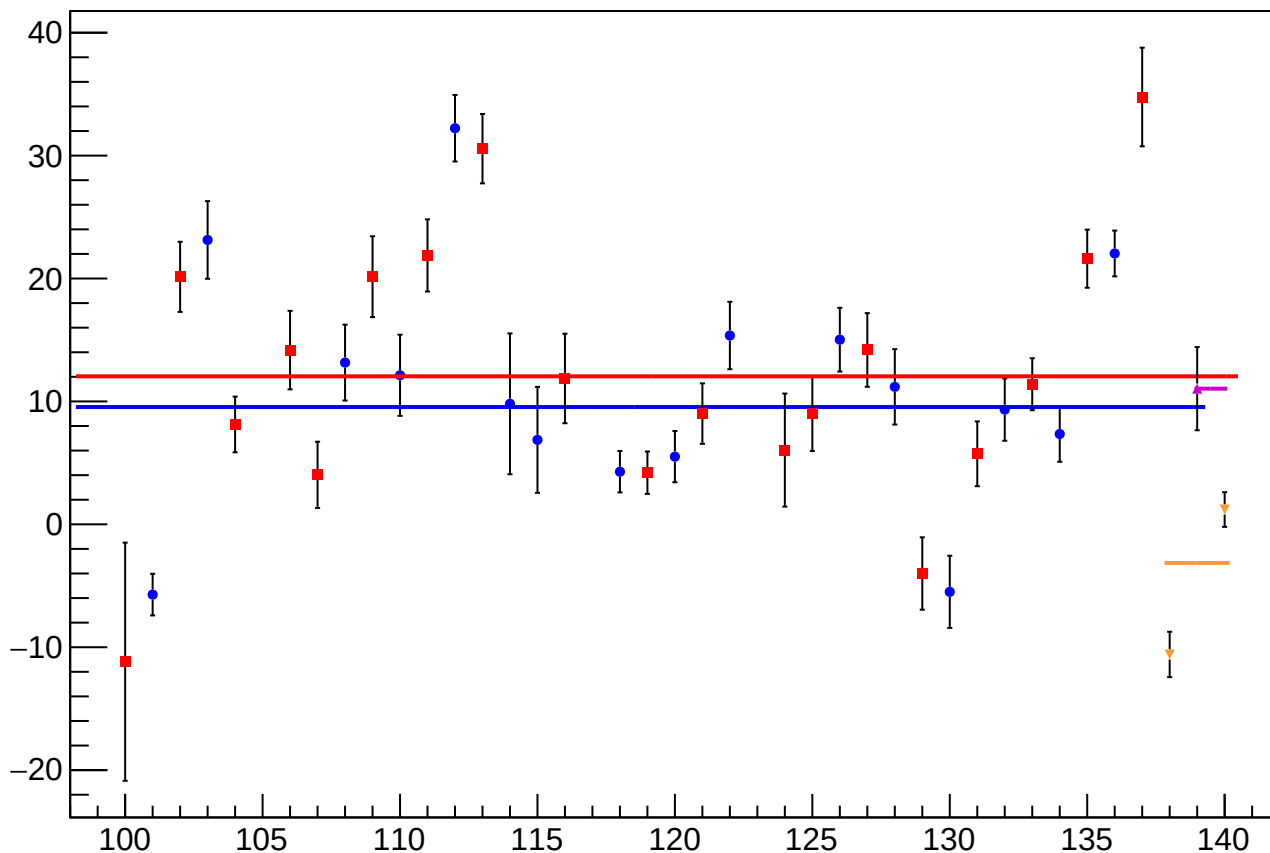
Left In: -93.359 ± 1.879 χ^2/NDF : 0.0/0

+ sign -74.284 ± 0.549 χ^2/NDF : 1840.7/17

All: -77.732 ± 0.397 χ^2/NDF : 2882.0/37

- sign -81.518 ± 0.575 χ^2/NDF : 958.5/19

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543 ± 0.621 χ^2/NDF : 267.1/15

Left Out: -3.142 ± 1.120 χ^2/NDF : 25.8/1

Right Out: 12.044 ± 0.637 χ^2/NDF : 195.8/18

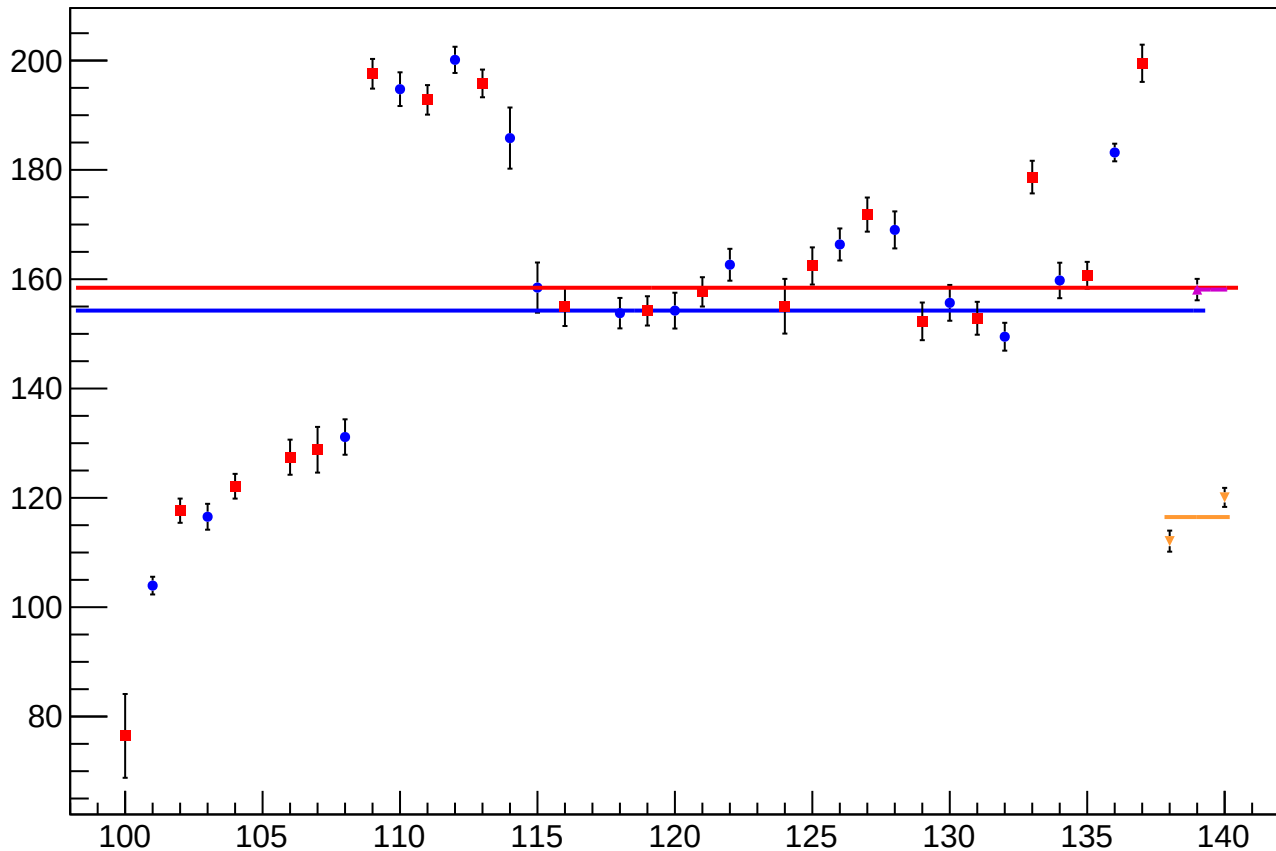
Left In: 11.038 ± 3.383 χ^2/NDF : 0.0/0

+ sign 6.558 ± 0.543 χ^2/NDF : 391.0/17

All: 8.900 ± 0.410 χ^2/NDF : 630.1/37

- sign 12.009 ± 0.626 χ^2/NDF : 195.9/19

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260 $\pm$ 0.662 χ^2 /NDF: 2213.7/15

Left Out: 116.488 $\pm$ 1.292 χ^2 /NDF: 9.5/1

Right Out: 158.435 $\pm$ 0.683 χ^2 /NDF: 1664.2/18

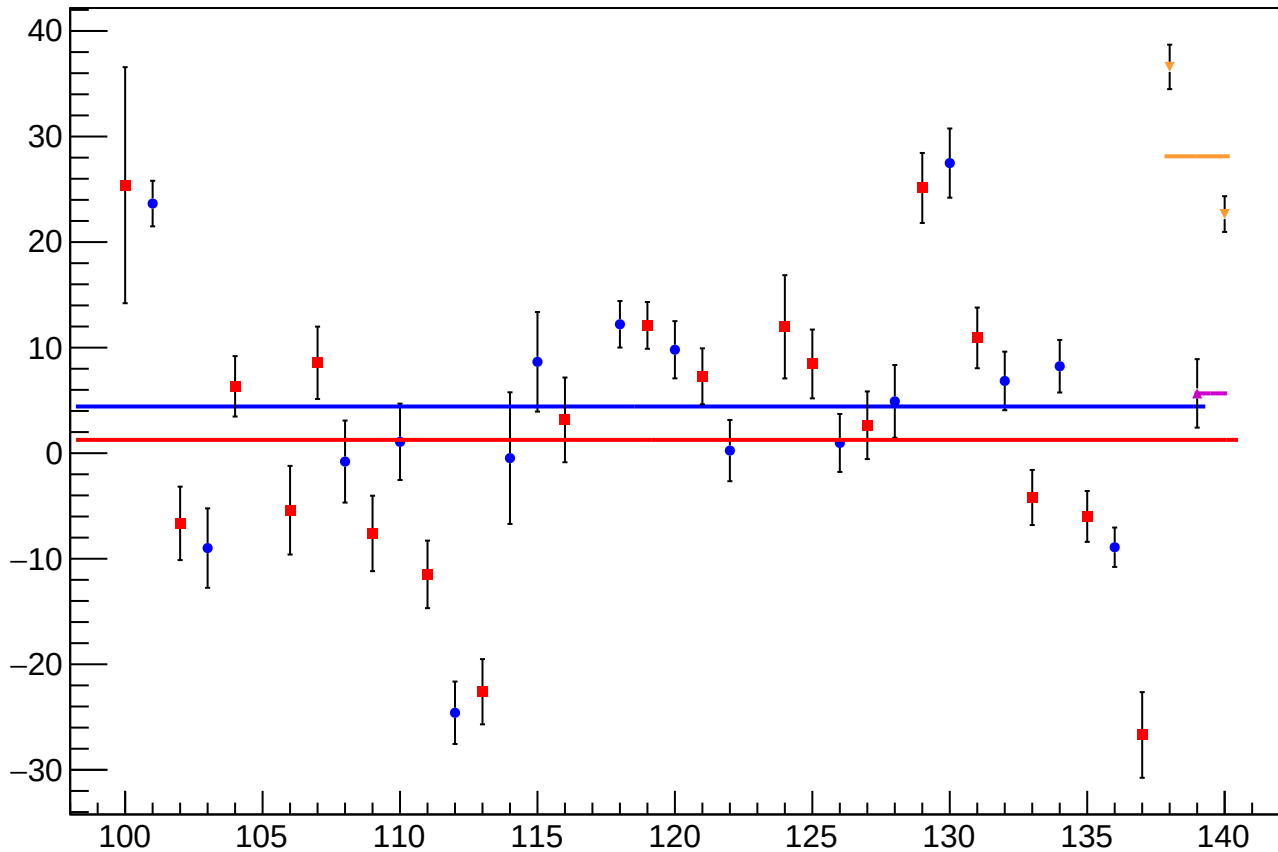
Left In: 158.101 $\pm$ 1.959 χ^2 /NDF: 0.0/0

+ sign 146.406 $\pm$ 0.589 χ^2 /NDF: 2900.7/17

All: 151.862 $\pm$ 0.435 χ^2 /NDF: 4753.6/37

- sign 158.399 $\pm$ 0.645 χ^2 /NDF: 1664.3/19

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424 $\pm$ 0.714 χ^2 /NDF: 316.1/15

Left Out: 28.125 $\pm$ 1.319 χ^2 /NDF: 26.6/1

Right Out: 1.260 $\pm$ 0.732 χ^2 /NDF: 264.9/18

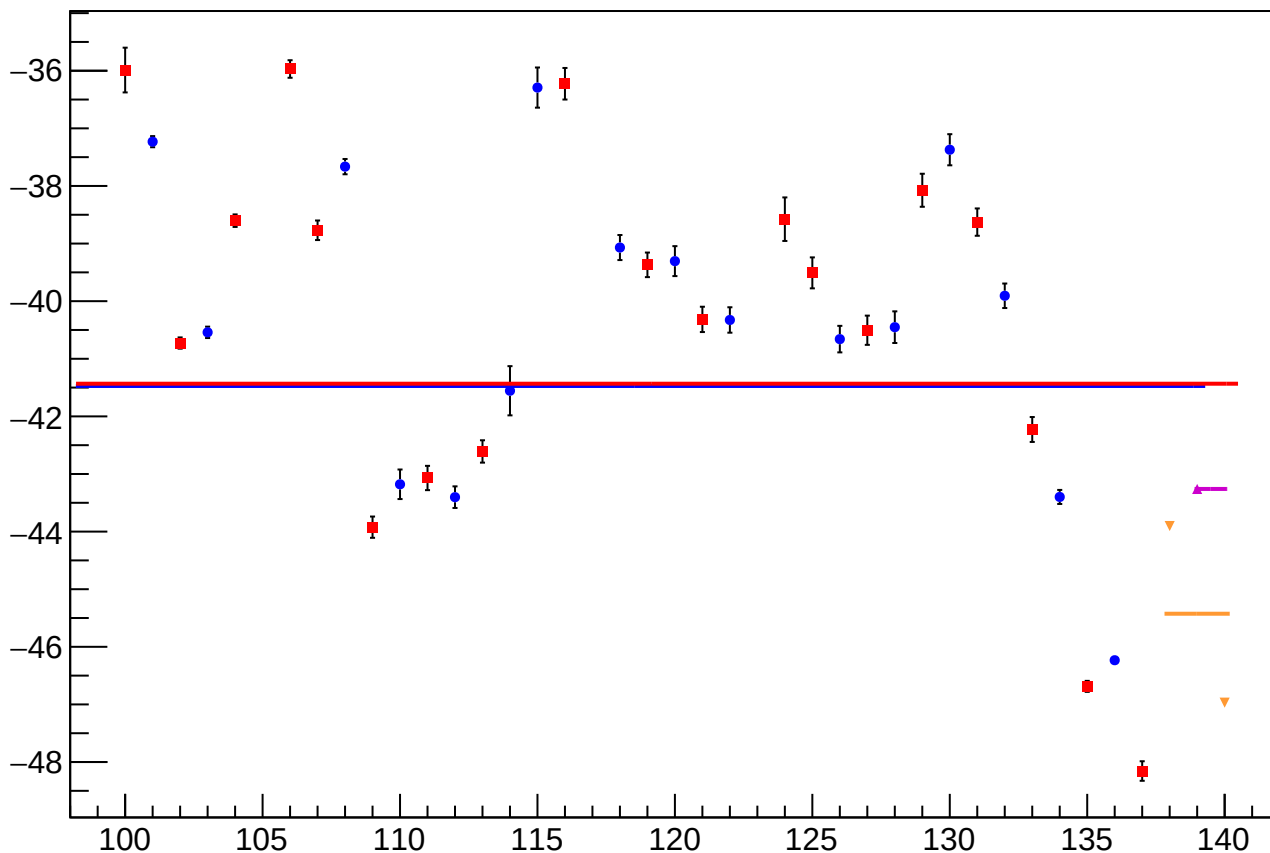
Left In: 5.665 $\pm$ 3.244 χ^2 /NDF: 0.0/0

+ sign 9.793 $\pm$ 0.628 χ^2 /NDF: 592.3/17

All: 6.163 $\pm$ 0.471 χ^2 /NDF: 935.5/37

- sign 1.473 $\pm$ 0.714 χ^2 /NDF: 266.6/19

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472 ± 0.038 χ^2/NDF : 7912.0/15

Left Out: -45.426 ± 0.055 χ^2/NDF : 787.2/1

Right Out: -41.433 ± 0.040 χ^2/NDF : 8225.4/18

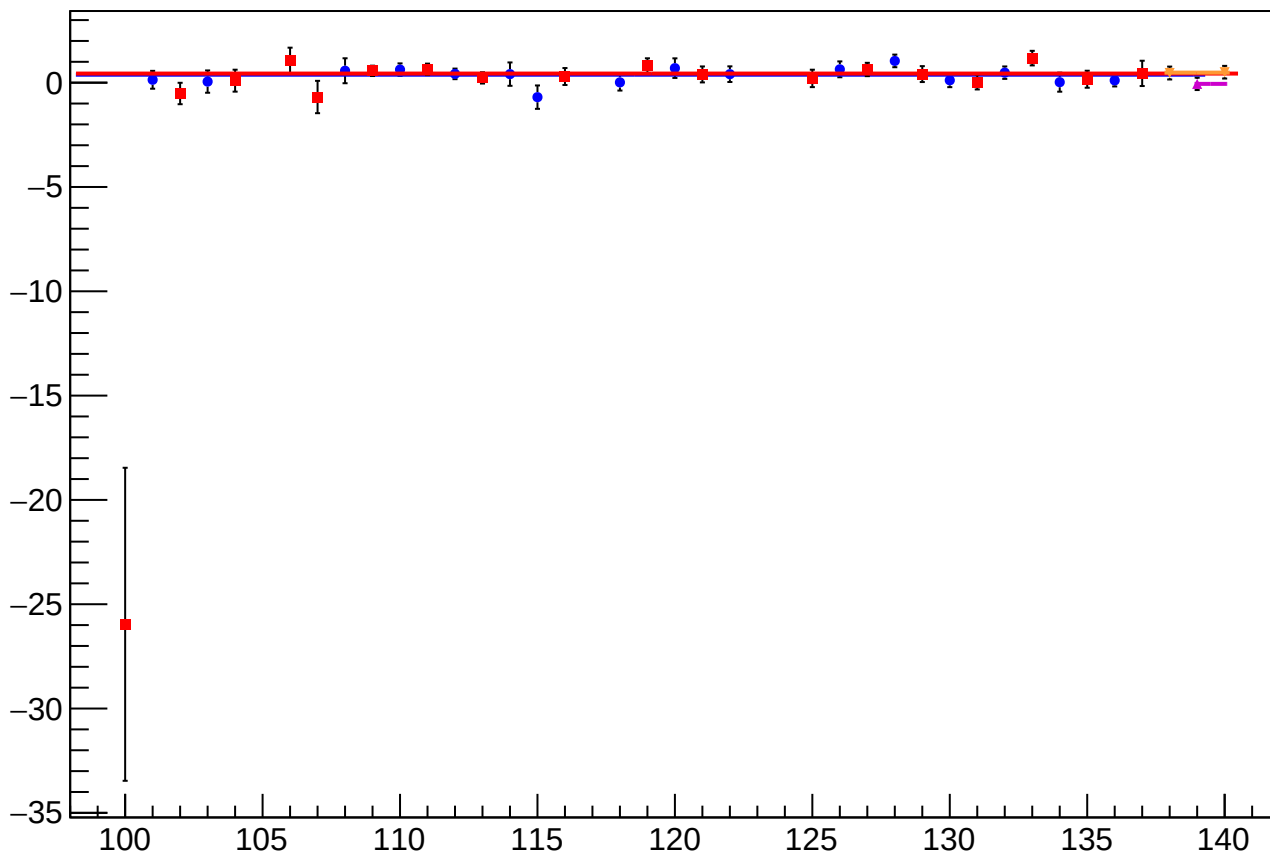
Left In: -43.260 ± 0.070 χ^2/NDF : 0.0/0

+ sign -42.766 ± 0.031 χ^2/NDF : 12221.8/17

All: -42.363 ± 0.023 χ^2/NDF : 21332.2/37

- sign -41.876 ± 0.034 χ^2/NDF : 8743.4/19

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382 ± 0.092 χ^2/NDF : 14.0/15

Left Out: 0.482 ± 0.217 χ^2/NDF : 0.0/1

Right Out: 0.436 ± 0.090 χ^2/NDF : 29.0/17

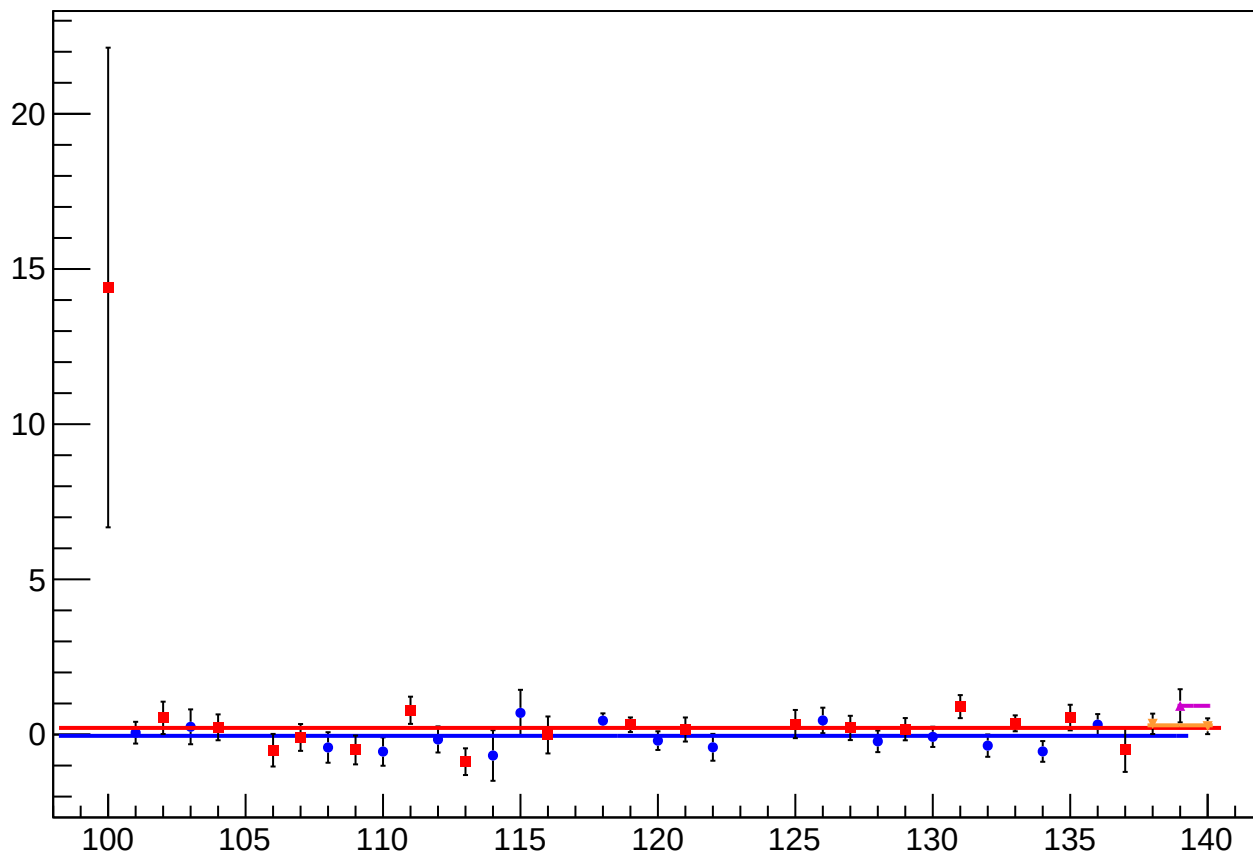
Left In: -0.058 ± 0.296 χ^2/NDF : 0.0/0

+ sign 0.397 ± 0.085 χ^2/NDF : 14.2/17

All: 0.396 ± 0.060 χ^2/NDF : 45.7/36

- sign 0.394 ± 0.086 χ^2/NDF : 31.6/18

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043 ± 0.094 χ^2/NDF : 15.0/15

Left Out: 0.296 ± 0.201 χ^2/NDF : 0.0/1

Right Out: 0.213 ± 0.095 χ^2/NDF : 22.4/17

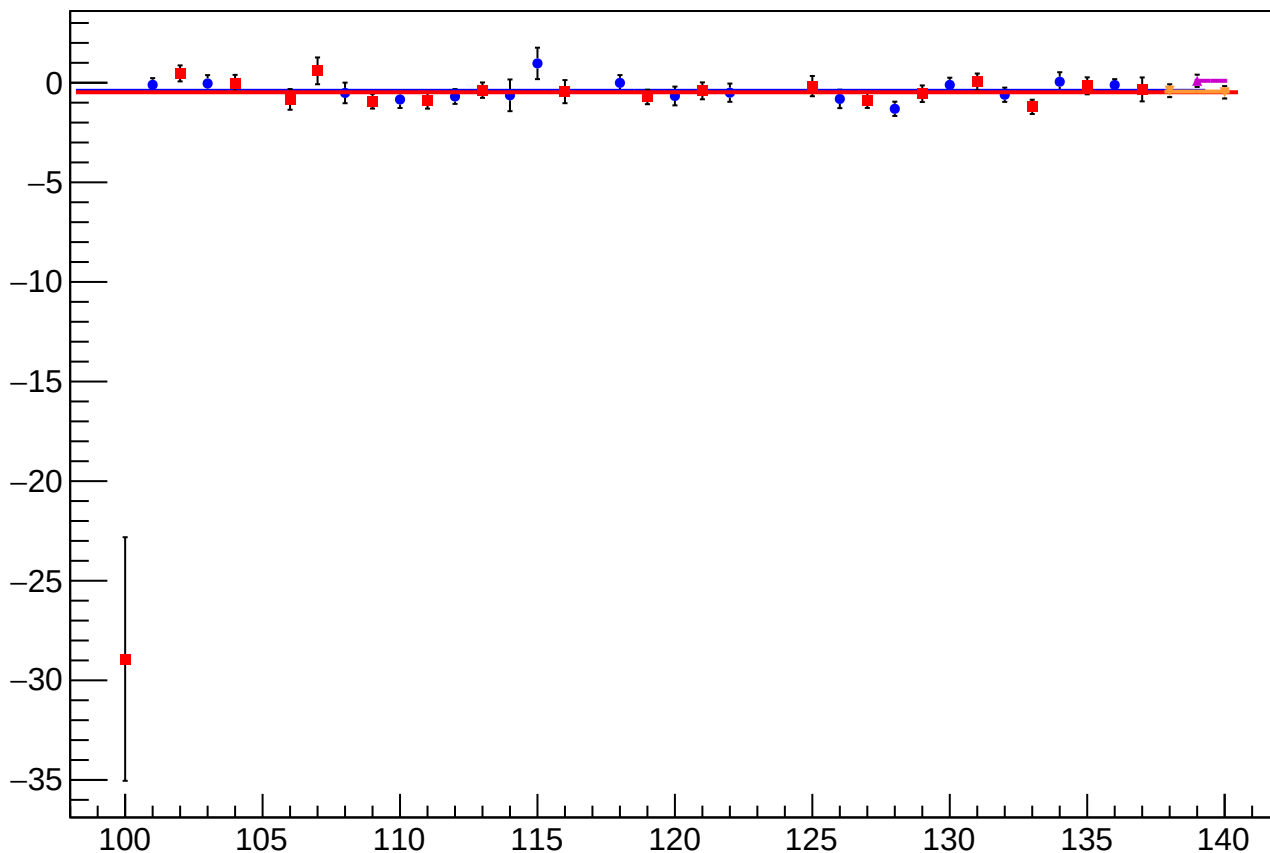
Left In: 0.925 ± 0.534 χ^2/NDF : 0.0/0

+ sign 0.018 ± 0.085 χ^2/NDF : 17.4/17

All: 0.116 ± 0.063 χ^2/NDF : 44.4/36

- sign 0.235 ± 0.094 χ^2/NDF : 24.1/18

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406 ± 0.103 χ^2/NDF : 17.8/15

Left Out: -0.442 ± 0.224 χ^2/NDF : 0.0/1

Right Out: -0.478 ± 0.104 χ^2/NDF : 42.3/17

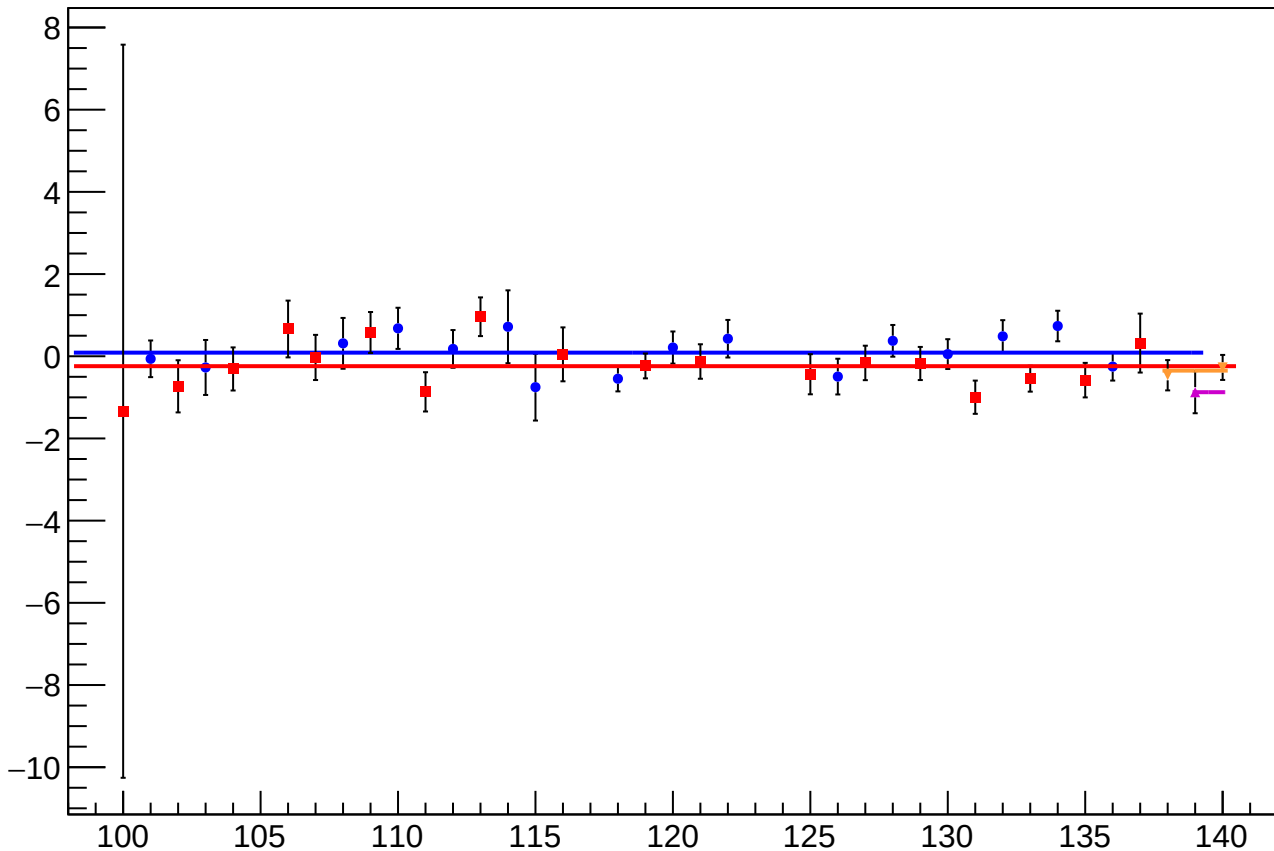
Left In: 0.098 ± 0.308 χ^2/NDF : 0.0/0

+ sign -0.412 ± 0.094 χ^2/NDF : 17.8/17

All: -0.415 ± 0.068 χ^2/NDF : 63.2/36

- sign -0.419 ± 0.099 χ^2/NDF : 45.4/18

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF : 15.9/15

Left Out: -0.349+/-0.235 χ^2/NDF : 0.2/1

Right Out: -0.241+/-0.110 χ^2/NDF : 19.6/17

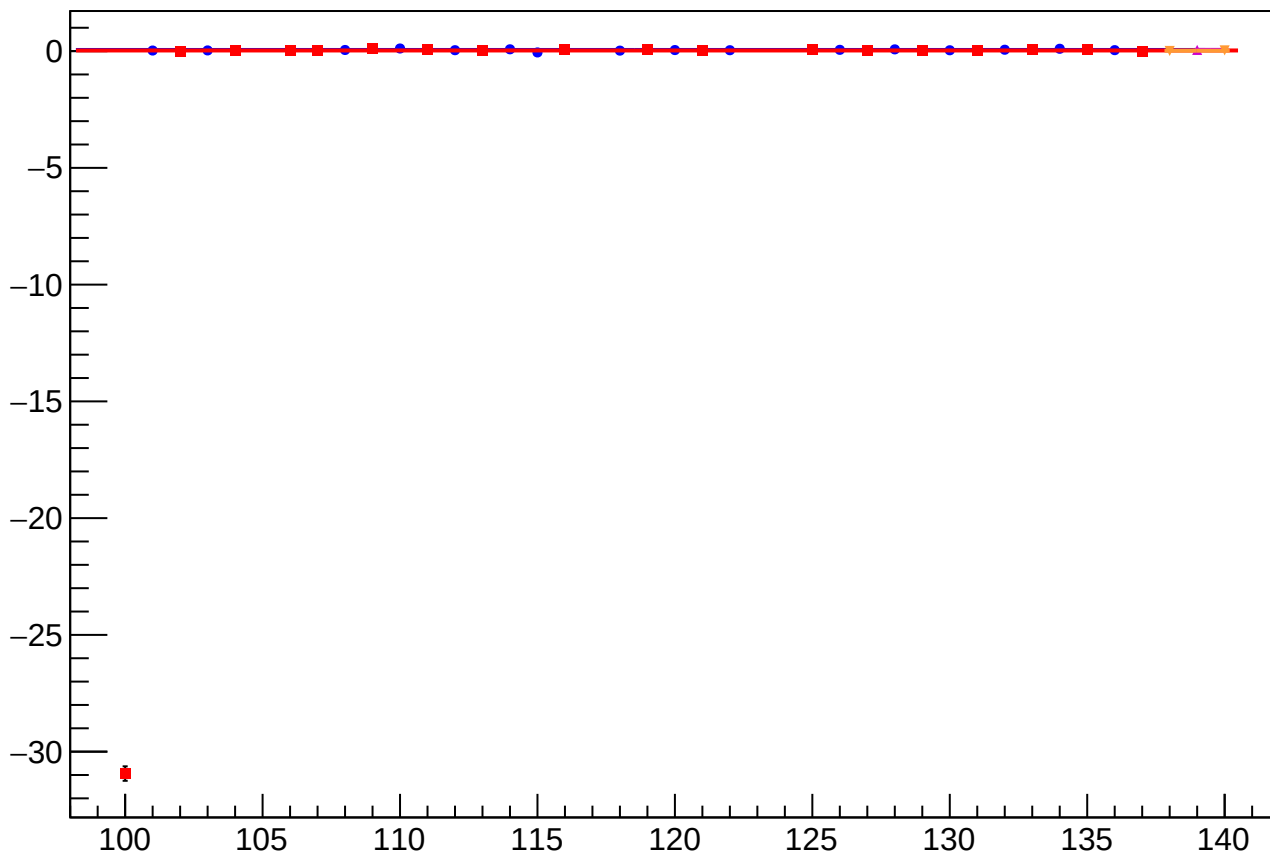
Left In: -0.874+/-0.512 χ^2/NDF : 0.0/0

+ sign 0.011+/-0.098 χ^2/NDF : 18.9/17

All: -0.117+/-0.072 χ^2/NDF : 43.7/36

- sign -0.269+/-0.107 χ^2/NDF : 21.1/18

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049 $\pm$ 0.006 χ^2 /NDF: 19.2/15

Left Out: 0.018 $\pm$ 0.009 χ^2 /NDF: 1.7/1

Right Out: 0.028 $\pm$ 0.006 χ^2 /NDF: 10020.9/17

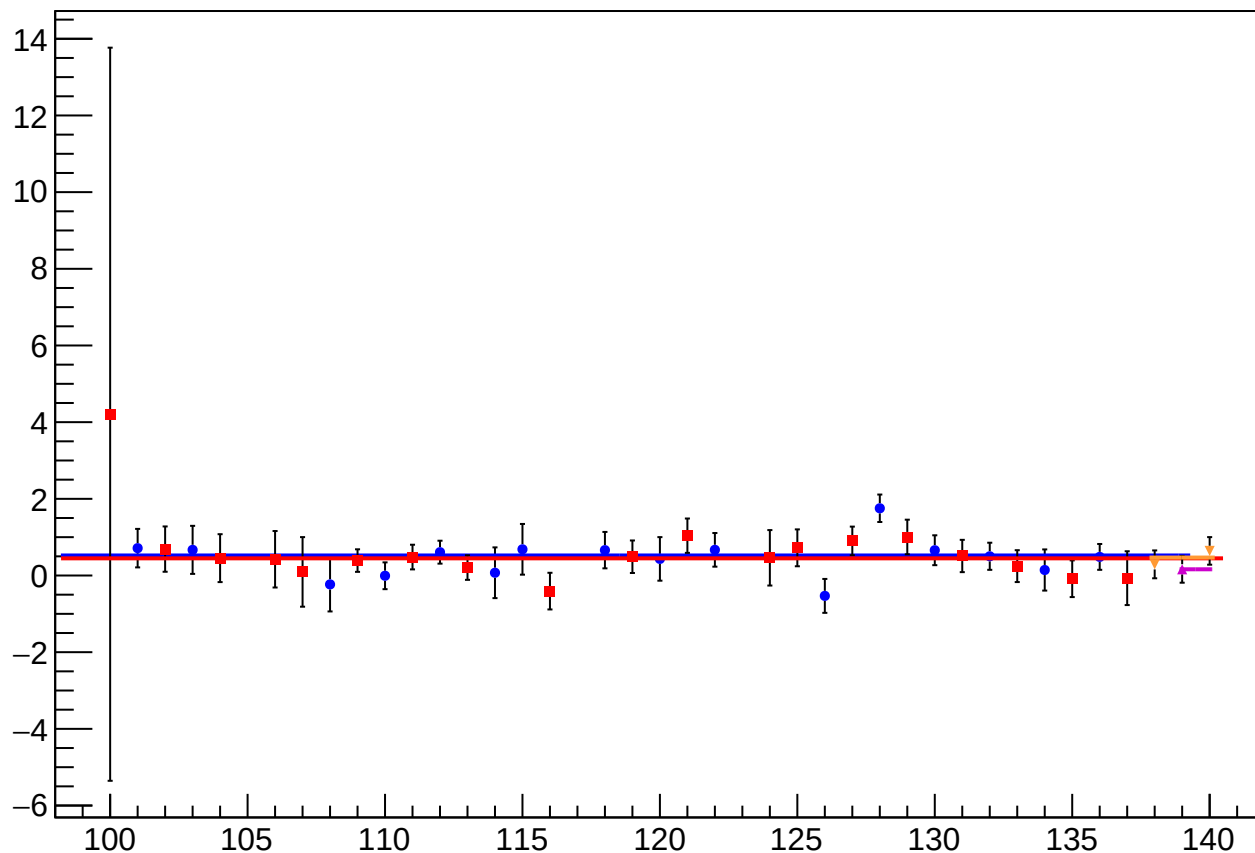
Left In: 0.052 $\pm$ 0.011 χ^2 /NDF: 0.0/0

+ sign 0.039 $\pm$ 0.005 χ^2 /NDF: 28.5/17

All: 0.037 $\pm$ 0.004 χ^2 /NDF: 10053.5/36

- sign 0.034 $\pm$ 0.006 χ^2 /NDF: 10024.6/18

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522 ± 0.108 χ^2/NDF : 22.6/15

Left Out: 0.468 ± 0.256 χ^2/NDF : 0.5/1

Right Out: 0.448 ± 0.105 χ^2/NDF : 11.4/18

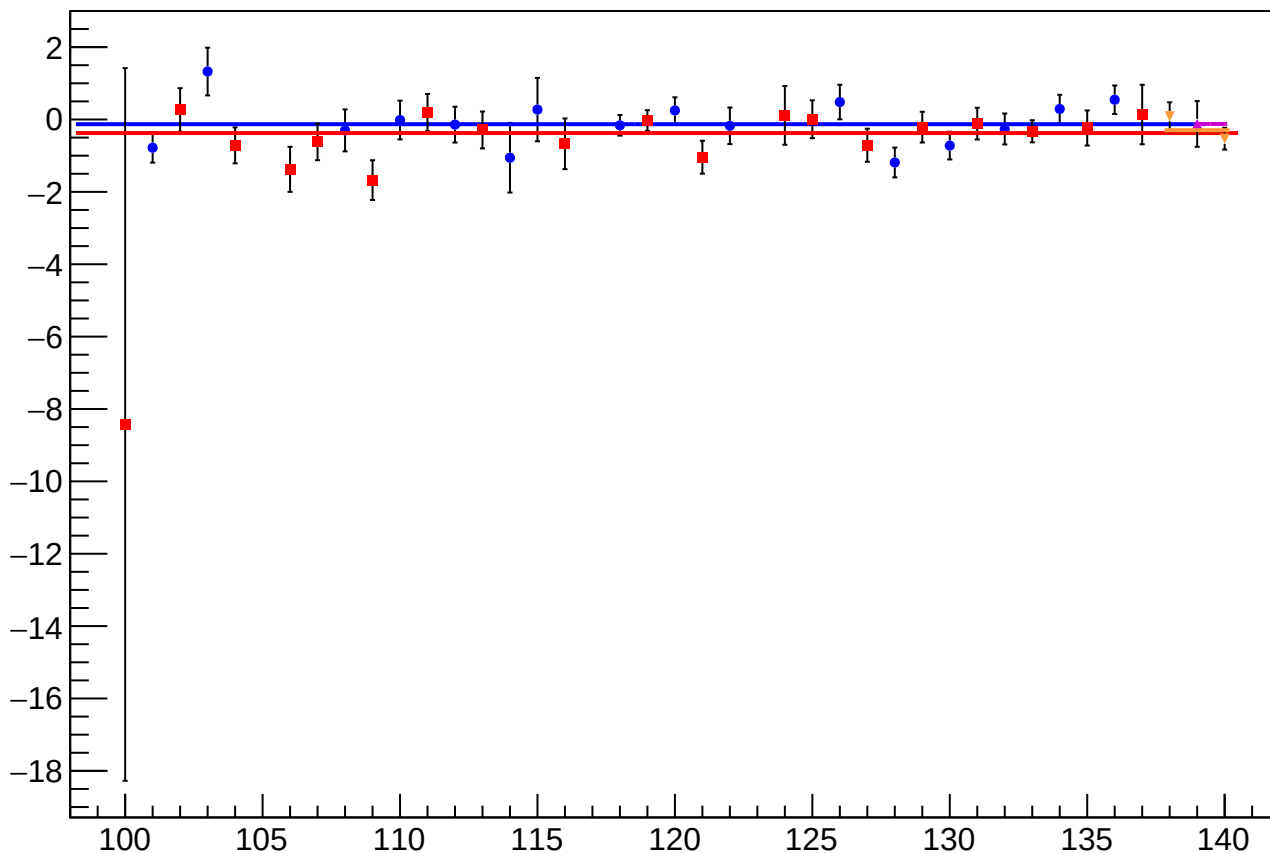
Left In: 0.162 ± 0.350 χ^2/NDF : 0.0/0

+ sign 0.514 ± 0.100 χ^2/NDF : 23.1/17

All: 0.469 ± 0.071 χ^2/NDF : 35.5/37

- sign 0.424 ± 0.101 χ^2/NDF : 12.0/19

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130 ± 0.112 χ^2/NDF : 24.6/15

Left Out: -0.295 ± 0.238 χ^2/NDF : 1.6/1

Right Out: -0.375 ± 0.111 χ^2/NDF : 18.2/18

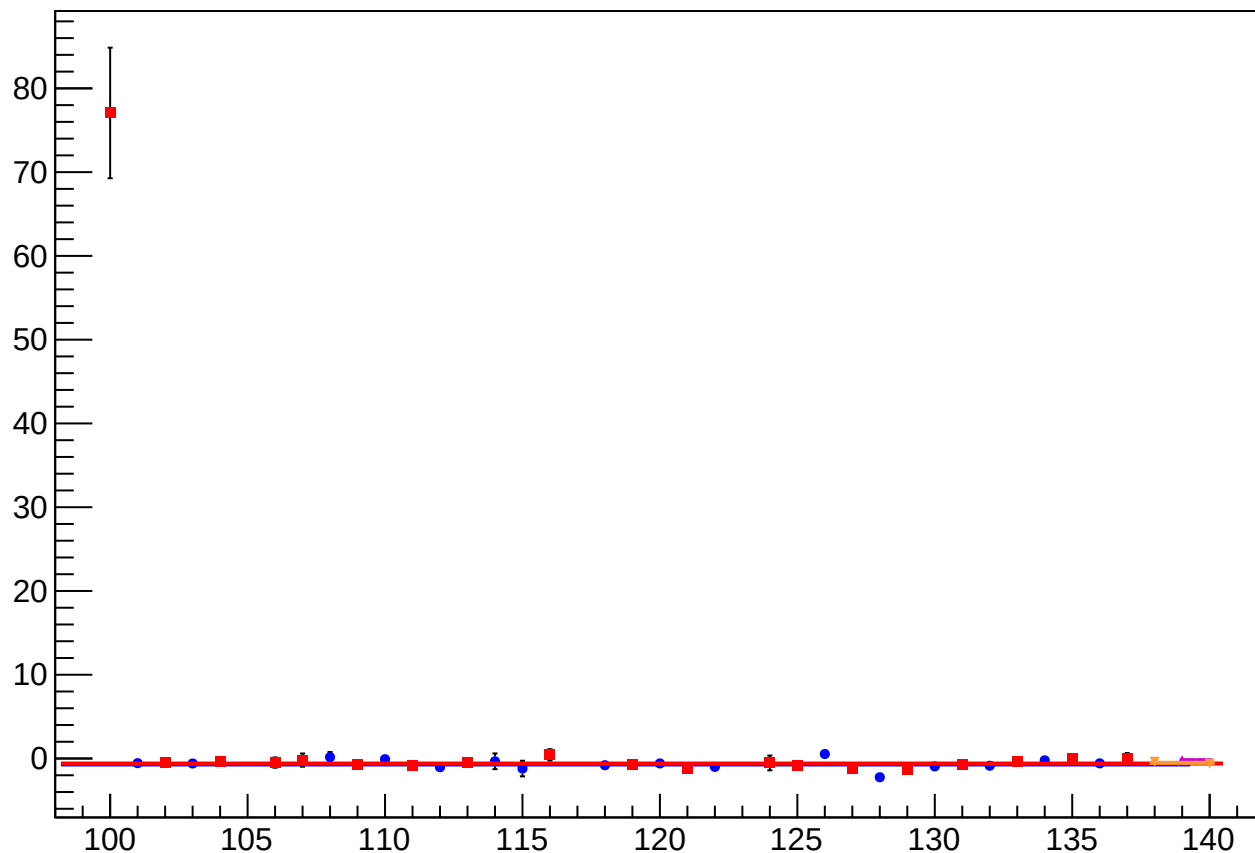
Left In: -0.123 ± 0.632 χ^2/NDF : 0.0/0

+ sign -0.160 ± 0.101 χ^2/NDF : 26.6/17

All: -0.255 ± 0.074 χ^2/NDF : 46.9/37

- sign -0.367 ± 0.110 χ^2/NDF : 18.4/19

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713 ± 0.122 χ^2/NDF : 24.9/15

Left Out: -0.511 ± 0.265 χ^2/NDF : 0.2/1

Right Out: -0.597 ± 0.122 χ^2/NDF : 110.9/18

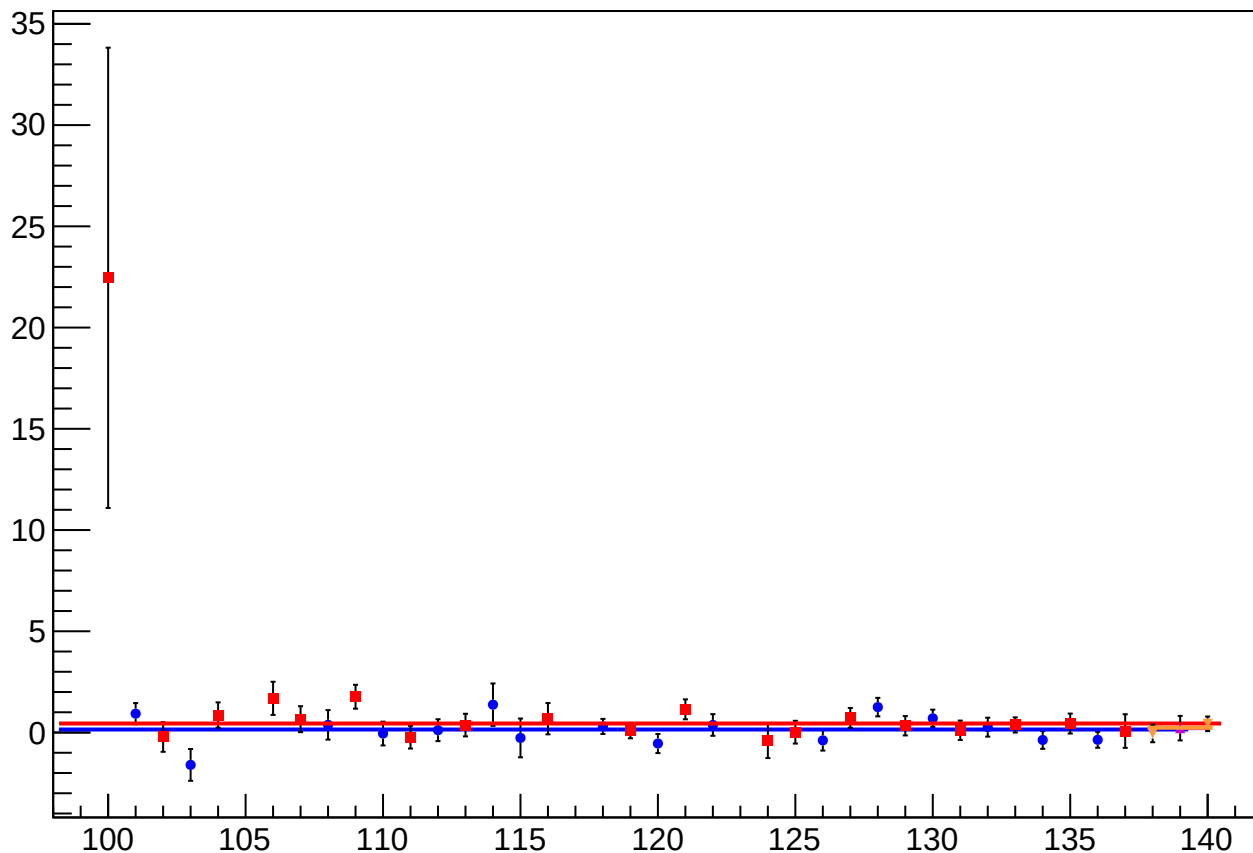
Left In: -0.196 ± 0.364 χ^2/NDF : 0.0/0

+ sign -0.677 ± 0.110 χ^2/NDF : 25.6/17

All: -0.620 ± 0.080 χ^2/NDF : 138.2/37

- sign -0.557 ± 0.115 χ^2/NDF : 112.0/19

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148 ± 0.128 χ^2/NDF : 23.3/15

Left Out: 0.234 ± 0.277 χ^2/NDF : 0.7/1

Right Out: 0.445 ± 0.128 χ^2/NDF : 19.7/18

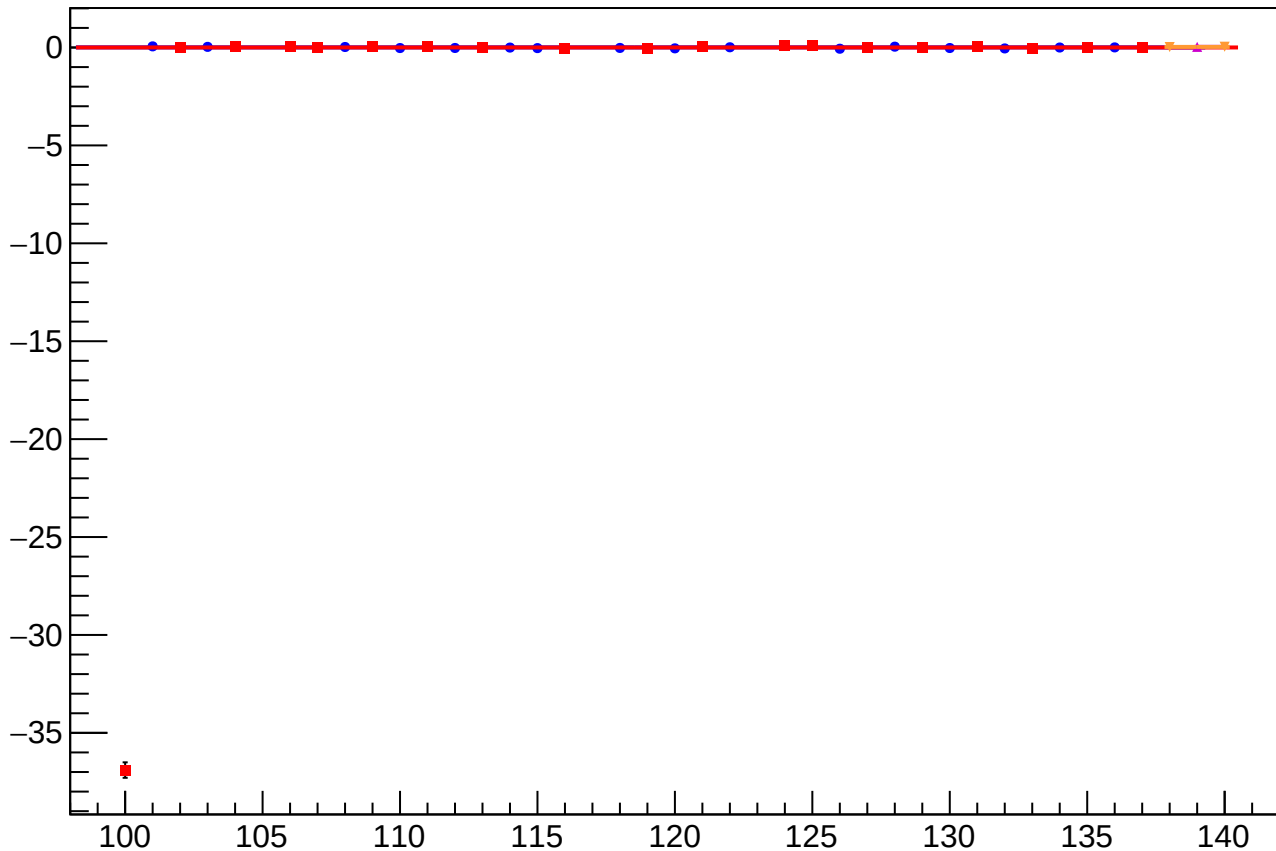
Left In: 0.215 ± 0.606 χ^2/NDF : 0.0/0

+ sign 0.163 ± 0.116 χ^2/NDF : 24.1/17

All: 0.289 ± 0.085 χ^2/NDF : 46.4/37

- sign 0.435 ± 0.125 χ^2/NDF : 19.9/19

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006 $\pm$ 0.007 χ^2 /NDF: 17.6/15

Left Out: 0.031 $\pm$ 0.011 χ^2 /NDF: 0.5/1

Right Out: 0.002 $\pm$ 0.007 χ^2 /NDF: 8753.3/18

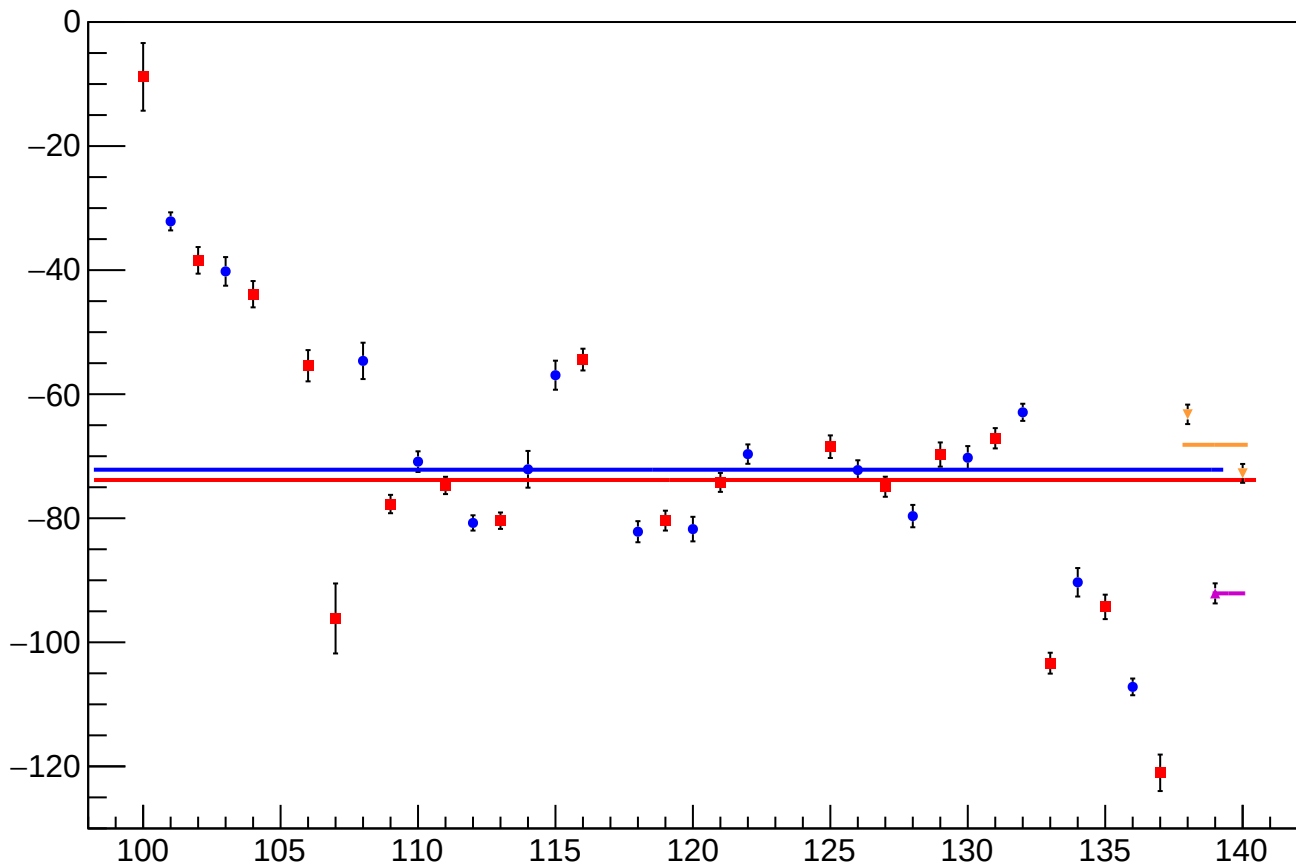
Left In: 0.033 $\pm$ 0.013 χ^2 /NDF: 0.0/0

+ sign 0.014 $\pm$ 0.006 χ^2 /NDF: 21.5/17

All: 0.012 $\pm$ 0.004 χ^2 /NDF: 8779.3/37

- sign 0.010 $\pm$ 0.006 χ^2 /NDF: 8757.6/19

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173 ± 0.432 $\chi^2/\text{NDF}: 1936.0/15$

Left Out: -68.158 ± 1.092 $\chi^2/\text{NDF}: 19.0/1$

Right Out: -73.831 ± 0.431 $\chi^2/\text{NDF}: 1557.7/17$

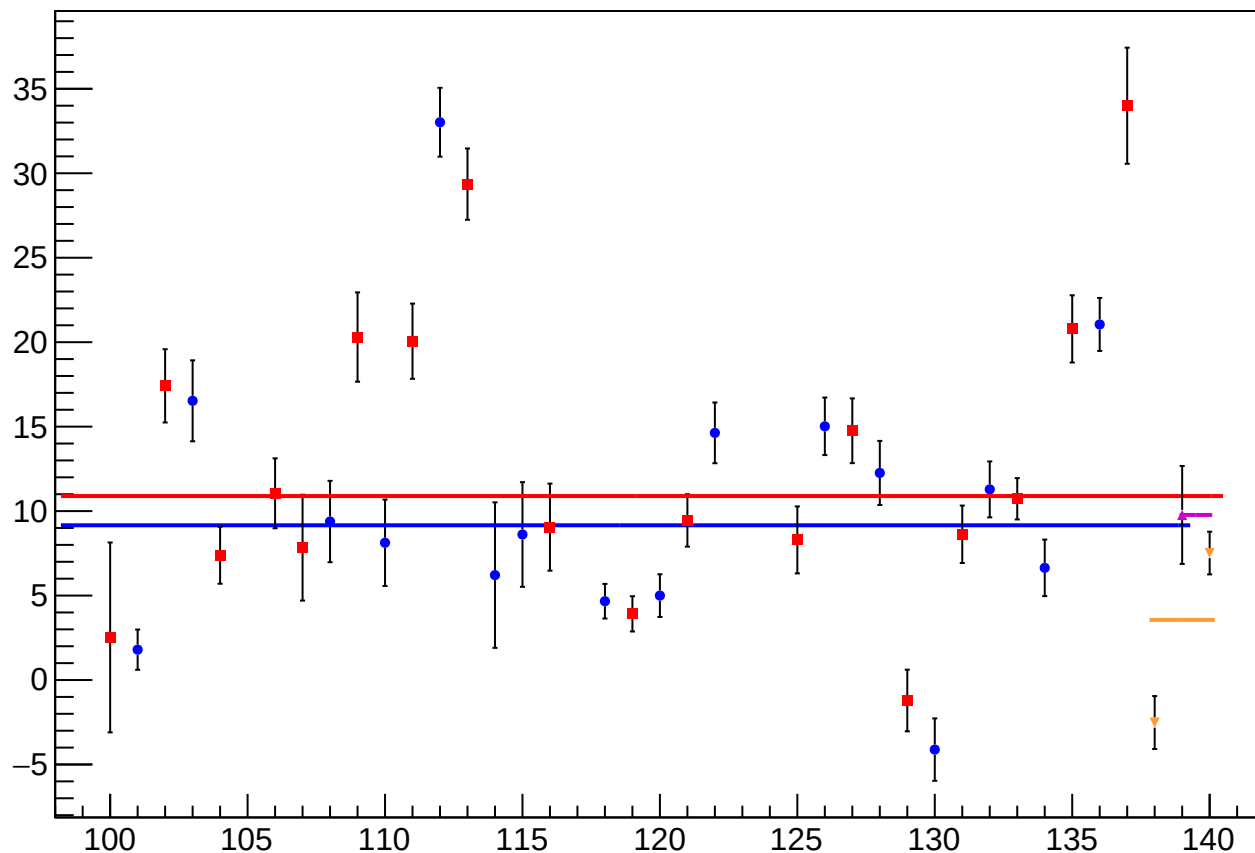
Left In: -92.111 ± 1.618 $\chi^2/\text{NDF}: 0.0/0$

+ sign -71.629 ± 0.402 $\chi^2/\text{NDF}: 1966.6/17$

All: -73.274 ± 0.289 $\chi^2/\text{NDF}: 3678.3/36$

- sign -75.039 ± 0.416 $\chi^2/\text{NDF}: 1676.9/18$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161 $\pm$ 0.425 χ^2 /NDF: 352.1/15

Left Out: 3.562 $\pm$ 0.984 χ^2 /NDF:24.8/1

Right Out: 10.892 $\pm$ 0.440 χ^2 /NDF: 290.2/17

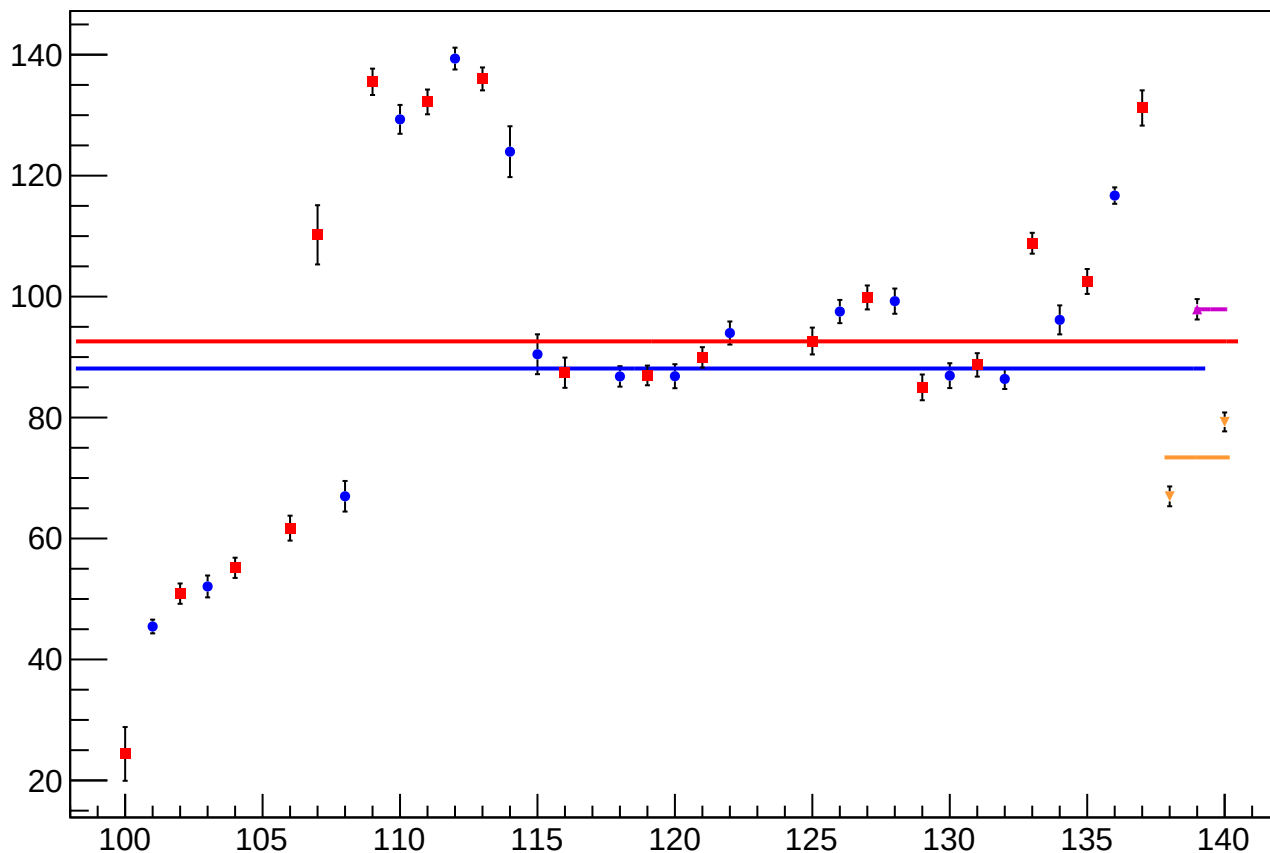
Left In: 9.772 $\pm$ 2.900 χ^2 /NDF:0.0/0

+ sign 8.280 $\pm$ 0.390 χ^2 /NDF: 404.2/17

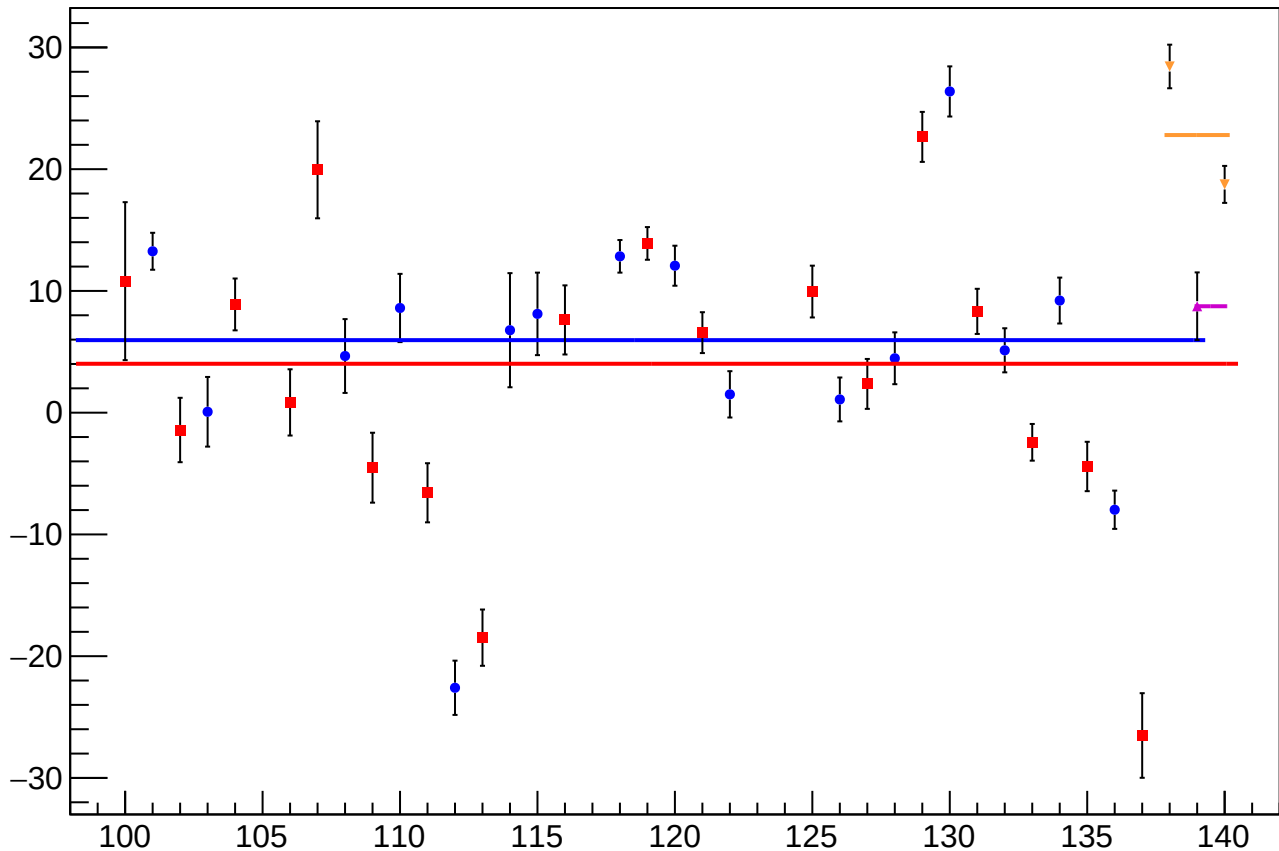
All: 9.433 $\pm$ 0.291 χ^2 /NDF: 714.1/36

- sign 10.866 $\pm$ 0.435 χ^2 /NDF: 290.3/18

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958 ± 0.495 χ^2/NDF : 426.8/15

Left Out: 22.803 ± 1.158 χ^2/NDF : 17.0/1

Right Out: 4.017 ± 0.510 χ^2/NDF : 417.7/17

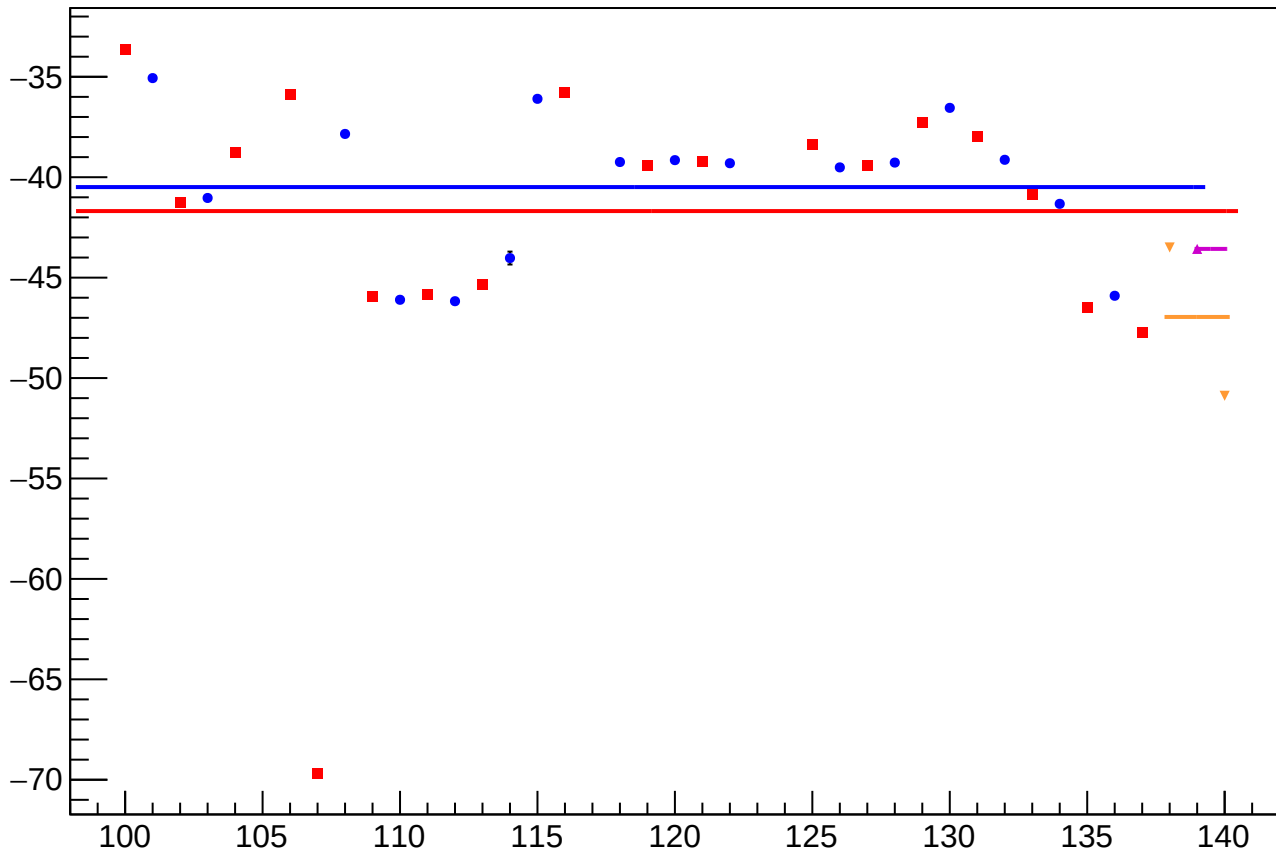
Left In: 8.742 ± 2.780 χ^2/NDF : 0.0/0

+ sign 8.556 ± 0.455 χ^2/NDF : 622.7/17

All: 6.575 ± 0.337 χ^2/NDF : 1085.1/36

- sign 4.171 ± 0.501 χ^2/NDF : 420.5/18

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491 ± 0.028 $\chi^2/\text{NDF}: 18125.4/15$

Left Out: -46.958 ± 0.048 $\chi^2/\text{NDF}: 5961.6/1$

Right Out: -41.686 ± 0.029 $\chi^2/\text{NDF}: 36838.6/17$

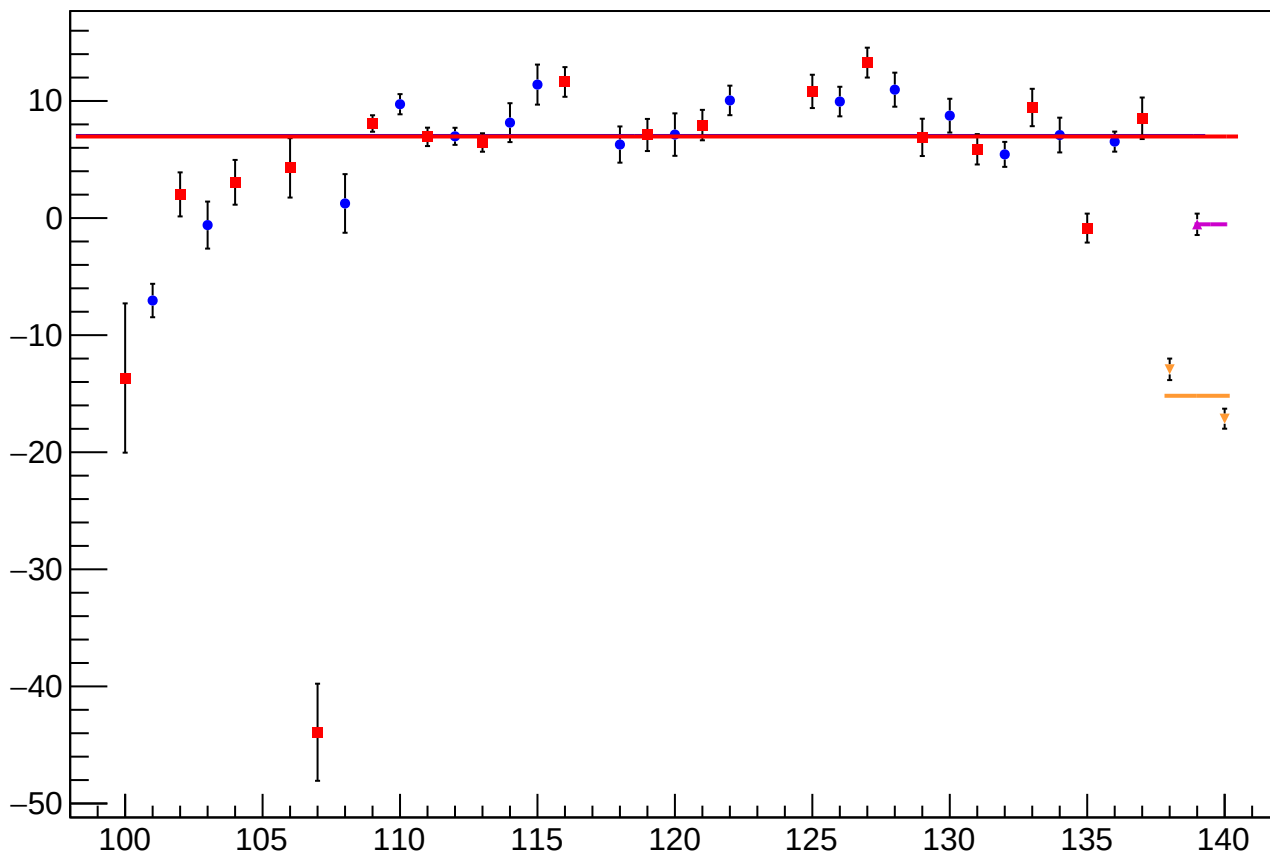
Left In: -43.569 ± 0.060 $\chi^2/\text{NDF}: 0.0/0$

+ sign -42.174 ± 0.024 $\chi^2/\text{NDF}: 37664.7/17$

All: -42.116 ± 0.018 $\chi^2/\text{NDF}: 75313.3/36$

- sign -42.048 ± 0.026 $\chi^2/\text{NDF}: 37636.3/18$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011 ± 0.309 χ^2/NDF : 156.3/15

Left Out: -15.179 ± 0.626 χ^2/NDF : 11.3/1

Right Out: 6.967 ± 0.298 χ^2/NDF : 266.0/17

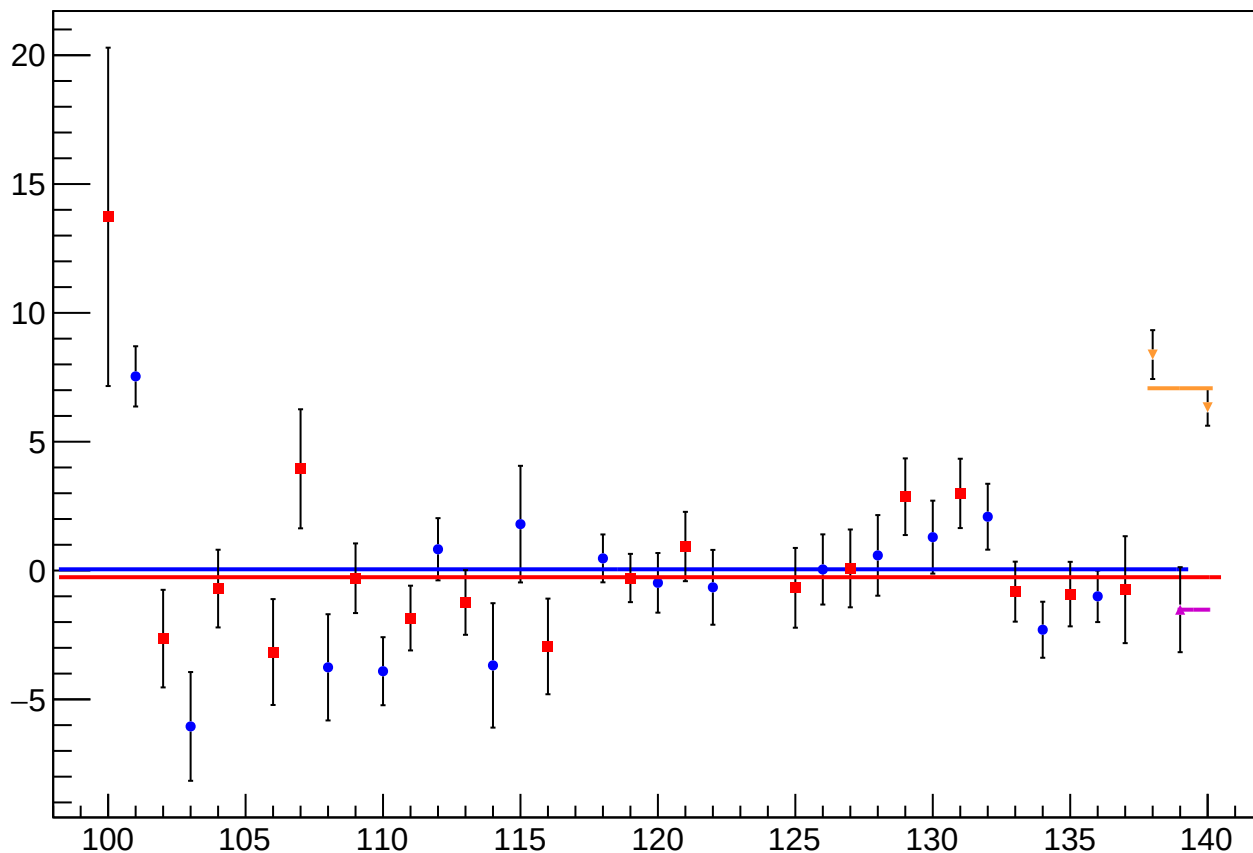
Left In: -0.534 ± 0.914 χ^2/NDF : 0.0/0

+ sign 2.654 ± 0.277 χ^2/NDF : 1178.5/17

All: 4.409 ± 0.198 χ^2/NDF : 1587.4/36

- sign 6.245 ± 0.283 χ^2/NDF : 326.9/18

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048 ± 0.331 $\chi^2/\text{NDF}: 75.0/15$

Left Out: 7.074 ± 0.570 $\chi^2/\text{NDF}: 3.0/1$

Right Out: -0.259 ± 0.344 $\chi^2/\text{NDF}: 27.5/17$

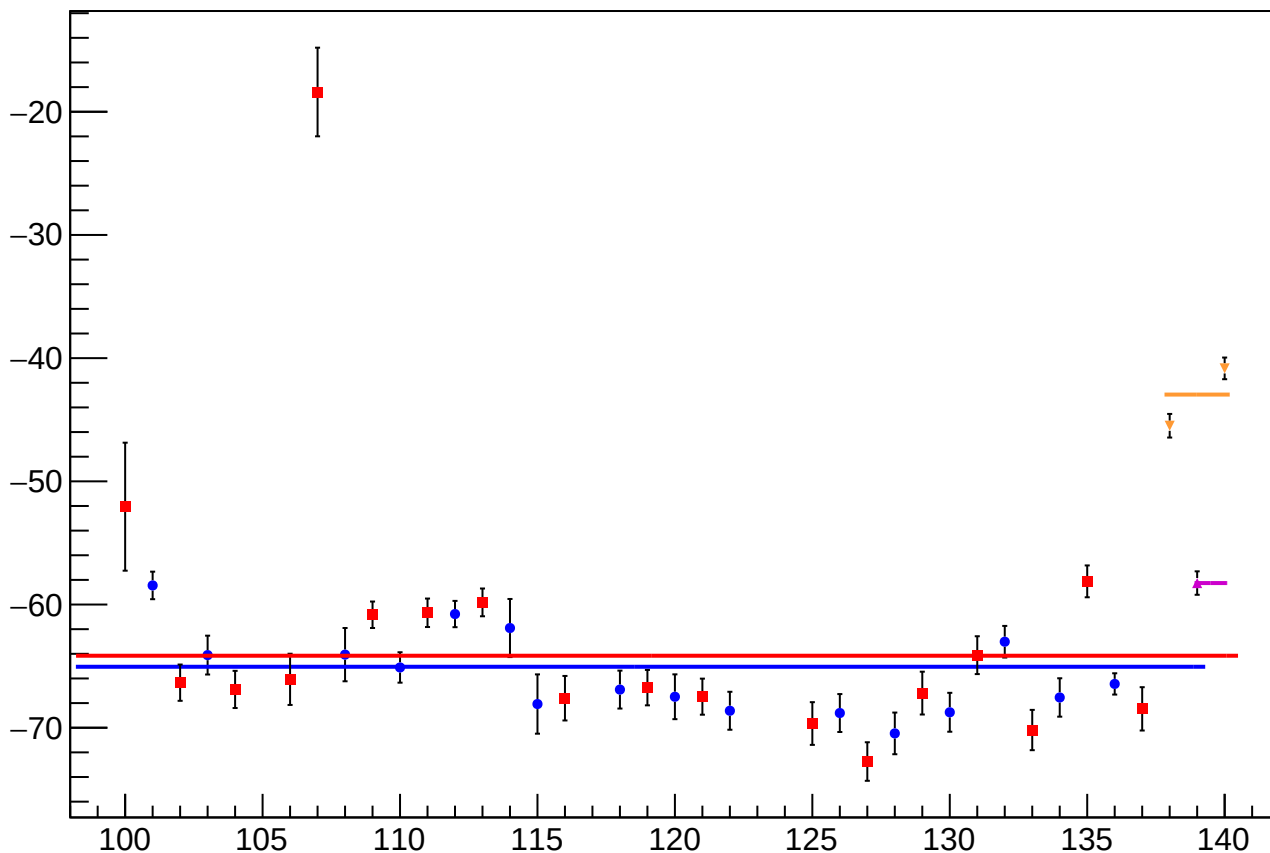
Left In: -1.519 ± 1.650 $\chi^2/\text{NDF}: 0.0/0$

+ sign 1.823 ± 0.287 $\chi^2/\text{NDF}: 191.5/17$

All: 0.928 ± 0.218 $\chi^2/\text{NDF}: 242.8/36$

- sign -0.311 ± 0.337 $\chi^2/\text{NDF}: 28.1/18$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051 ± 0.354 χ^2/NDF : 92.8/15

Left Out: -42.957 ± 0.648 χ^2/NDF : 12.8/1

Right Out: -64.156 ± 0.360 χ^2/NDF : 303.7/17

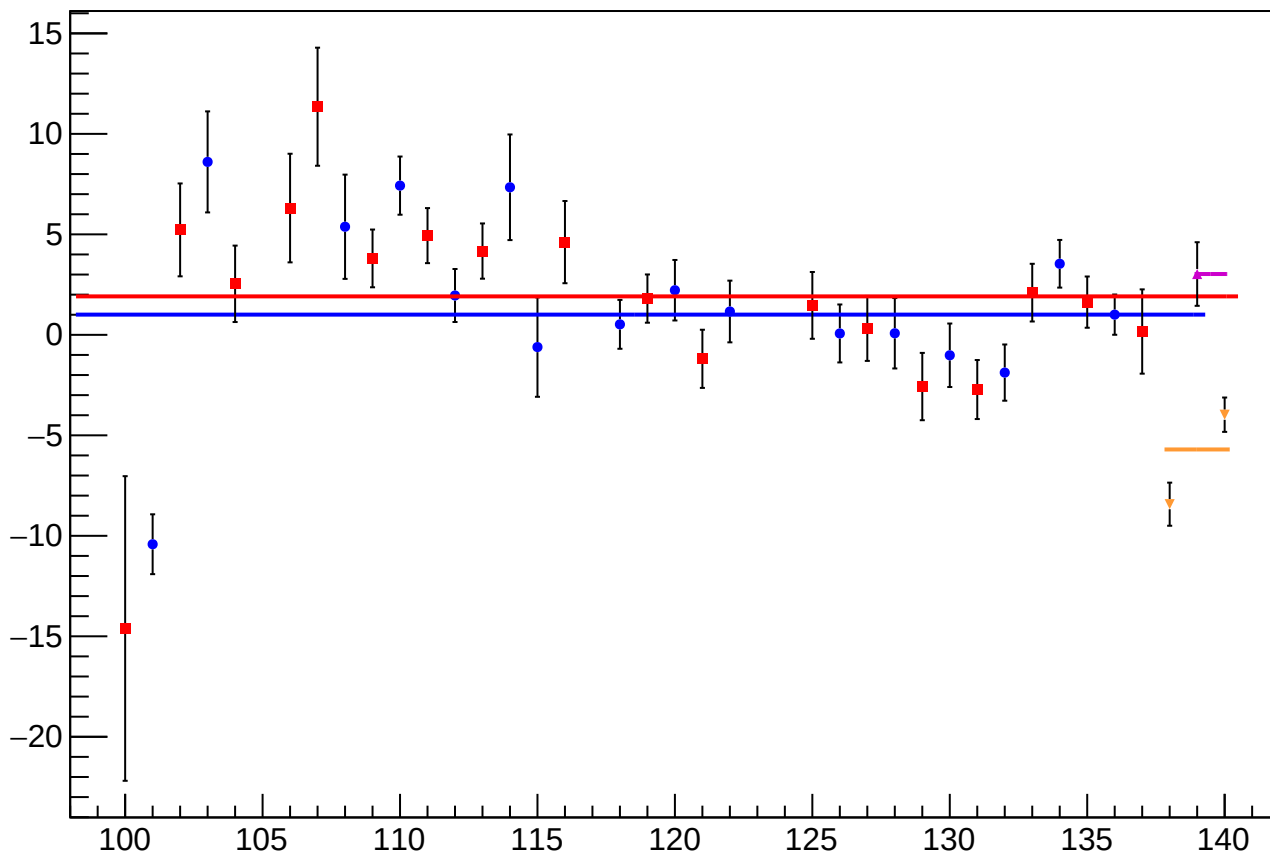
Left In: -58.257 ± 0.952 χ^2/NDF : 0.0/0

+ sign -59.971 ± 0.311 χ^2/NDF : 1001.3/17

All: -61.553 ± 0.228 χ^2/NDF : 1395.0/36

- sign -63.416 ± 0.337 χ^2/NDF : 337.2/18

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006 ± 0.376 χ^2/NDF : 109.2/15

Left Out: -5.703 ± 0.668 χ^2/NDF : 10.5/1

Right Out: 1.914 ± 0.390 χ^2/NDF : 54.5/17

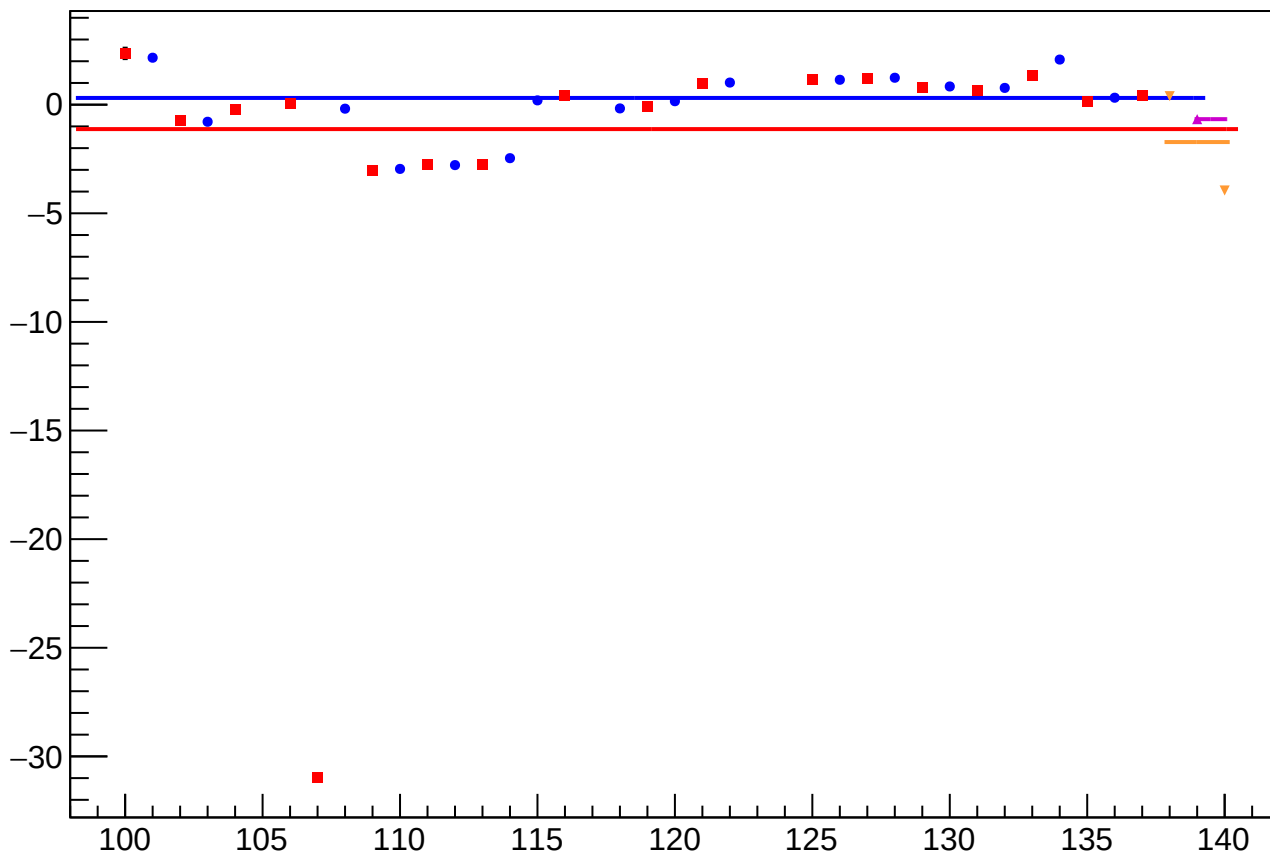
Left In: 3.027 ± 1.583 χ^2/NDF : 0.0/0

+ sign -0.604 ± 0.327 χ^2/NDF : 196.4/17

All: 0.501 ± 0.248 χ^2/NDF : 277.9/36

- sign 1.977 ± 0.378 χ^2/NDF : 54.9/18

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.021 $\chi^2/\text{NDF}: 4848.4/15$

Left Out: -1.720 ± 0.027 $\chi^2/\text{NDF}: 6375.5/1$

Right Out: -1.124 ± 0.022 $\chi^2/\text{NDF}: 46347.9/17$

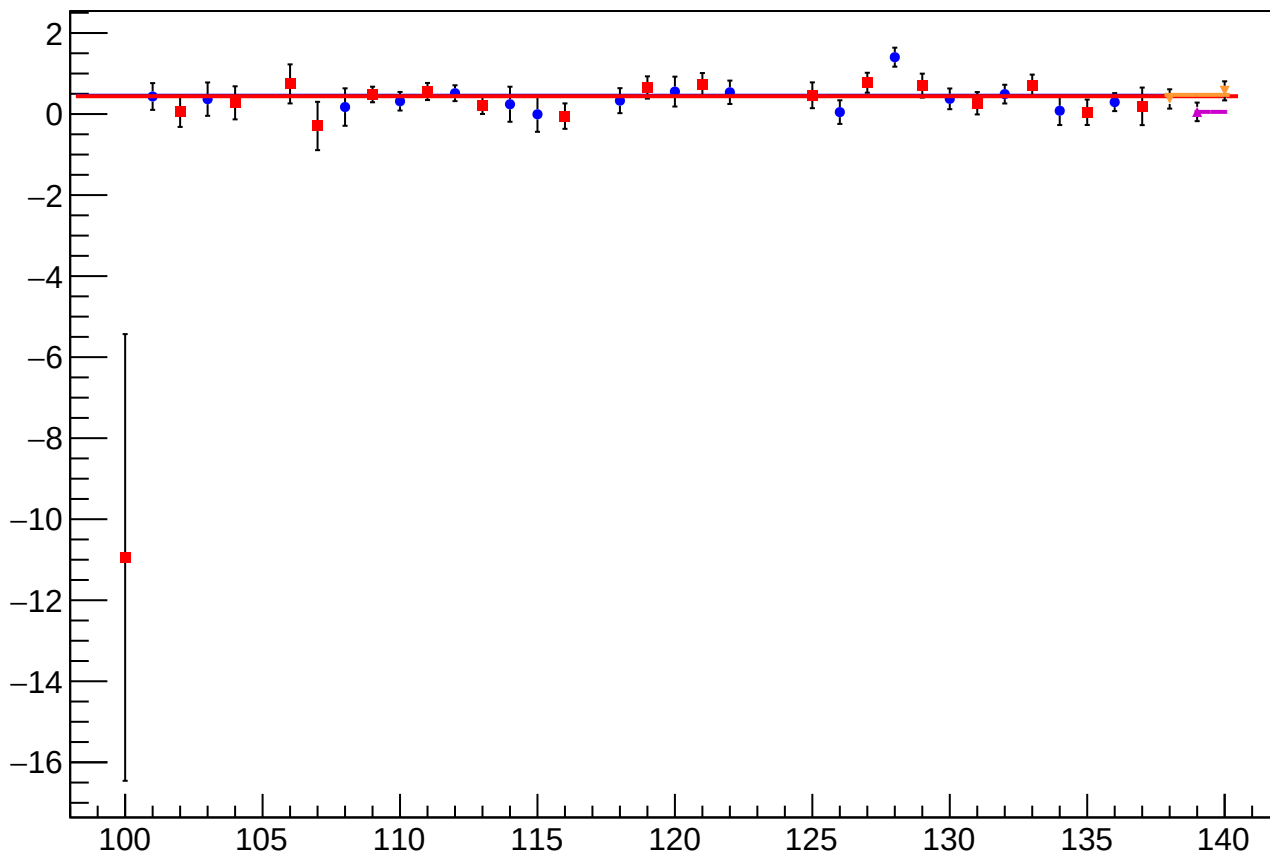
Left In: -0.666 ± 0.034 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.452 ± 0.017 $\chi^2/\text{NDF}: 14711.7/17$

All: -0.690 ± 0.012 $\chi^2/\text{NDF}: 61646.3/36$

- sign -0.987 ± 0.019 $\chi^2/\text{NDF}: 46475.0/18$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452 $\pm$ 0.071 χ^2 /NDF: 22.6/15

Left Out: 0.474 $\pm$ 0.168 χ^2 /NDF: 0.4/1

Right Out: 0.440 $\pm$ 0.070 χ^2 /NDF: 18.5/17

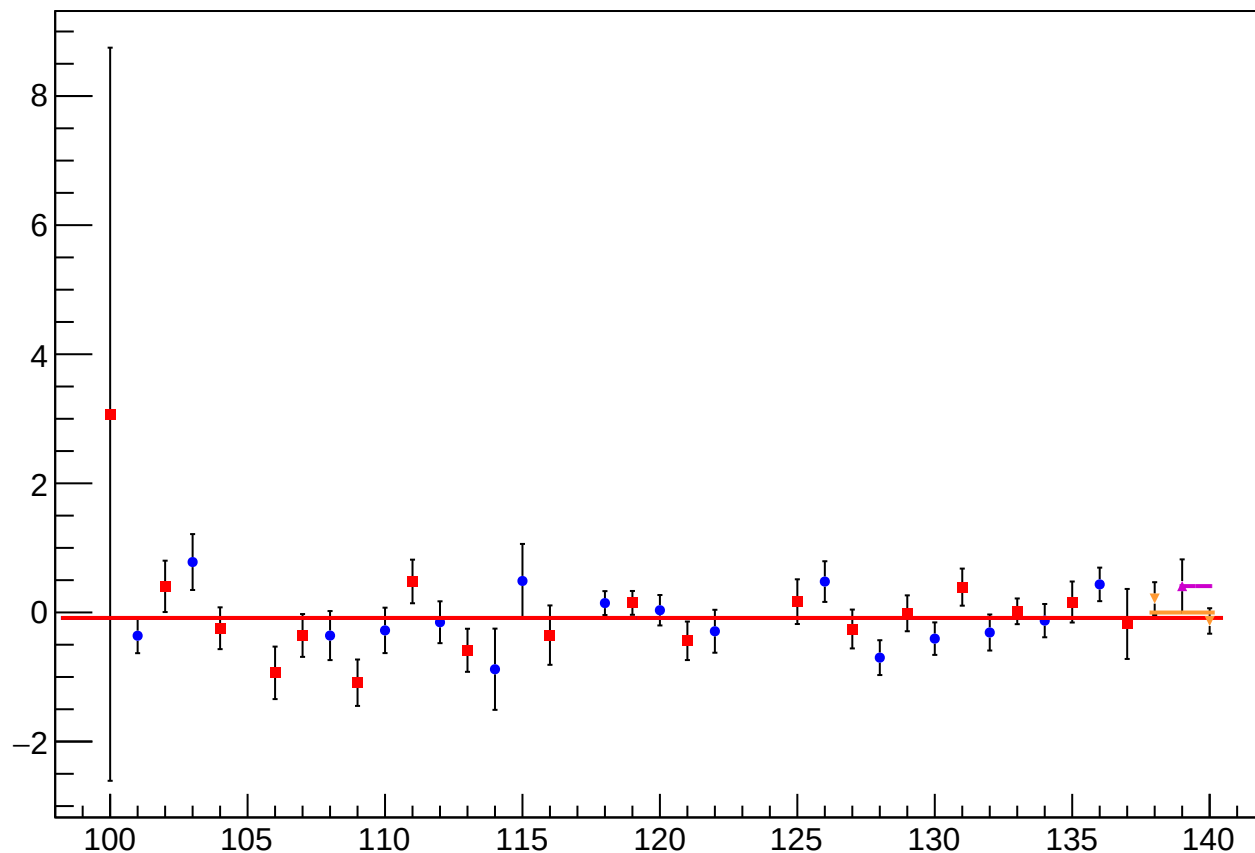
Left In: 0.053 $\pm$ 0.229 χ^2 /NDF: 0.0/0

+ sign 0.455 $\pm$ 0.065 χ^2 /NDF: 23.0/17

All: 0.432 $\pm$ 0.047 χ^2 /NDF: 44.4/36

- sign 0.407 $\pm$ 0.067 χ^2 /NDF: 21.2/18

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086 ± 0.073 χ^2/NDF : 25.4/15

Left Out: -0.001 ± 0.156 χ^2/NDF : 1.2/1

Right Out: -0.085 ± 0.074 χ^2/NDF : 27.9/17

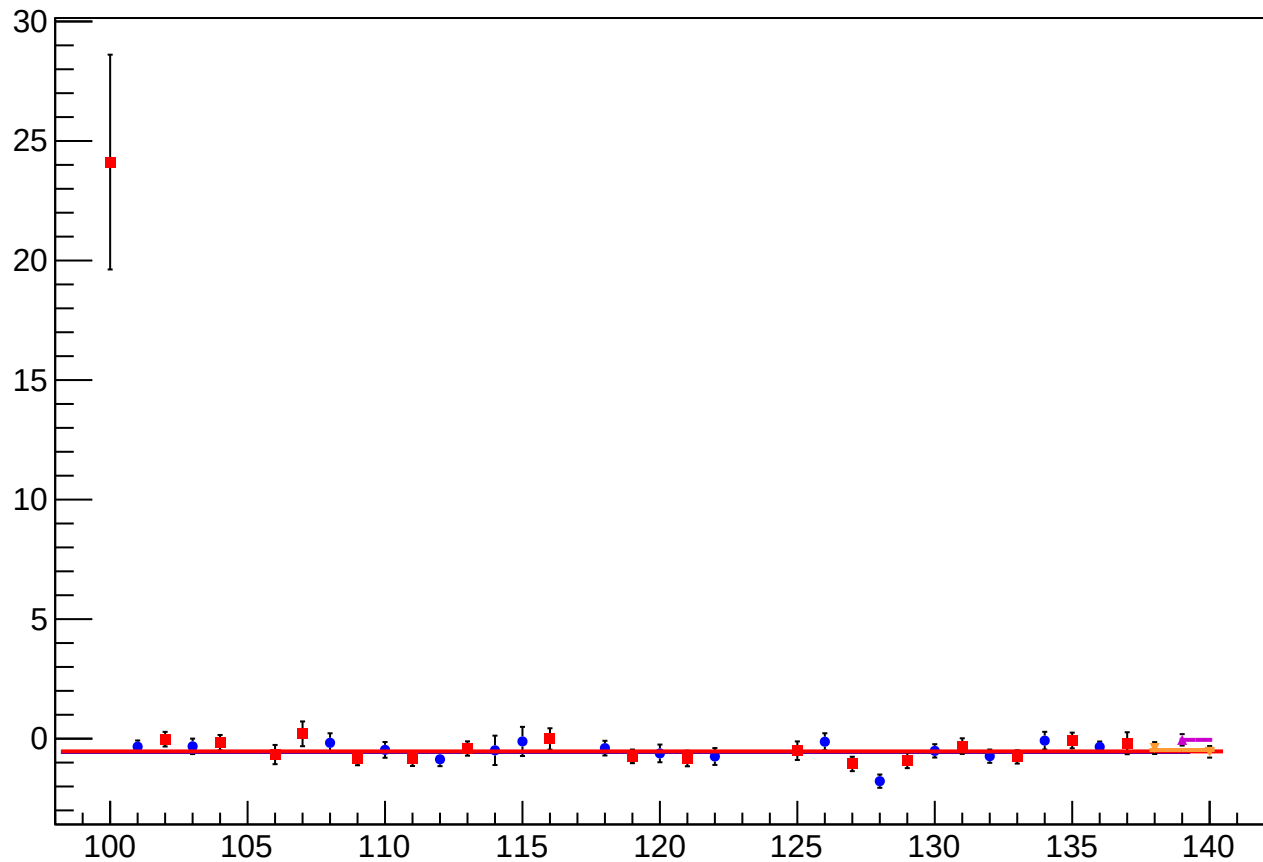
Left In: 0.408 ± 0.414 χ^2/NDF : 0.0/0

+ sign -0.071 ± 0.066 χ^2/NDF : 26.8/17

All: -0.071 ± 0.049 χ^2/NDF : 56.0/36

- sign -0.070 ± 0.072 χ^2/NDF : 29.3/18

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558 ± 0.080 χ^2/NDF : 28.3/15

Left Out: -0.474 ± 0.174 χ^2/NDF : 0.2/1

Right Out: -0.534 ± 0.081 χ^2/NDF : 49.2/17

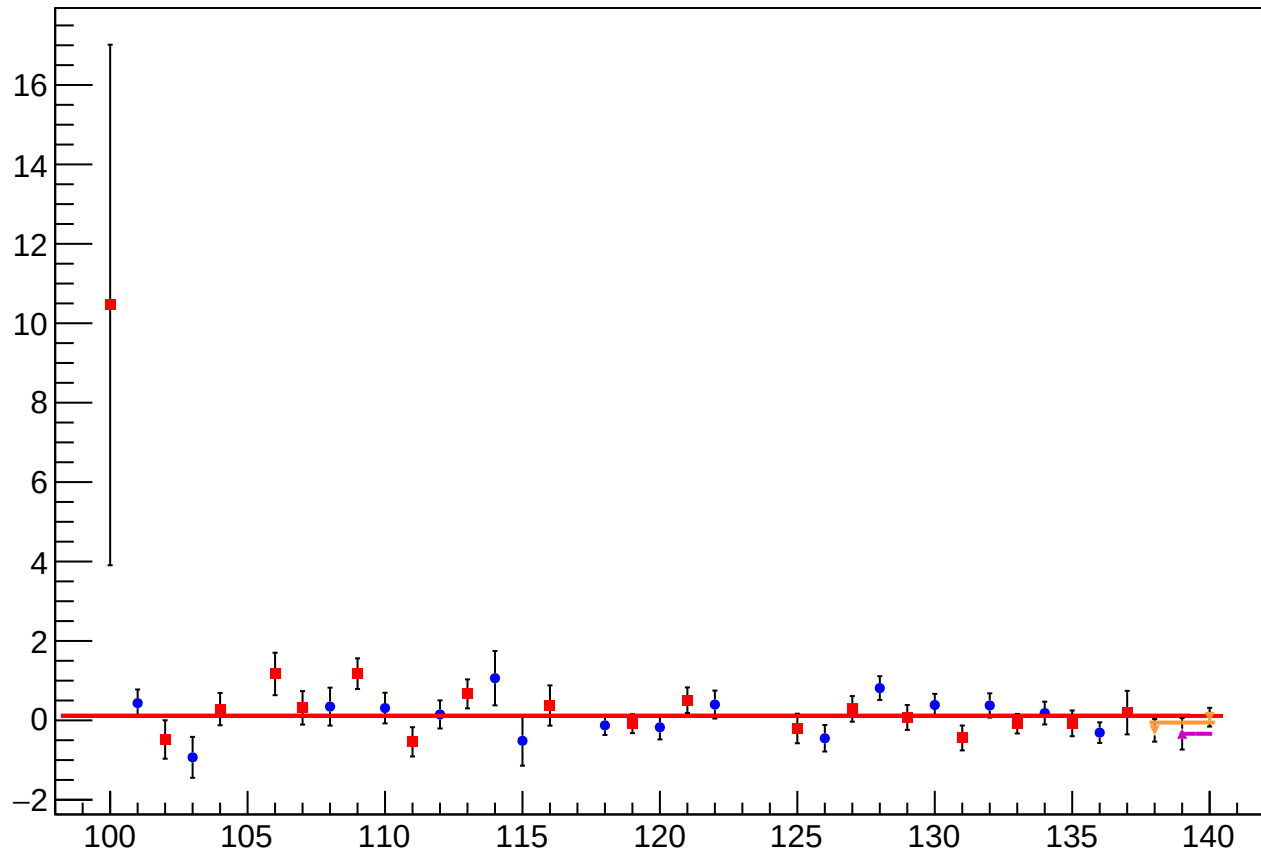
Left In: -0.050 ± 0.239 χ^2/NDF : 0.0/0

+ sign -0.544 ± 0.072 χ^2/NDF : 28.7/17

All: -0.515 ± 0.053 χ^2/NDF : 81.9/36

- sign -0.484 ± 0.076 χ^2/NDF : 52.9/18

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118 $\pm$ 0.084 χ^2 /NDF: 23.6/15

Left Out: -0.055 $\pm$ 0.182 χ^2 /NDF: 0.8/1

Right Out: 0.111 $\pm$ 0.085 χ^2 /NDF: 29.0/17

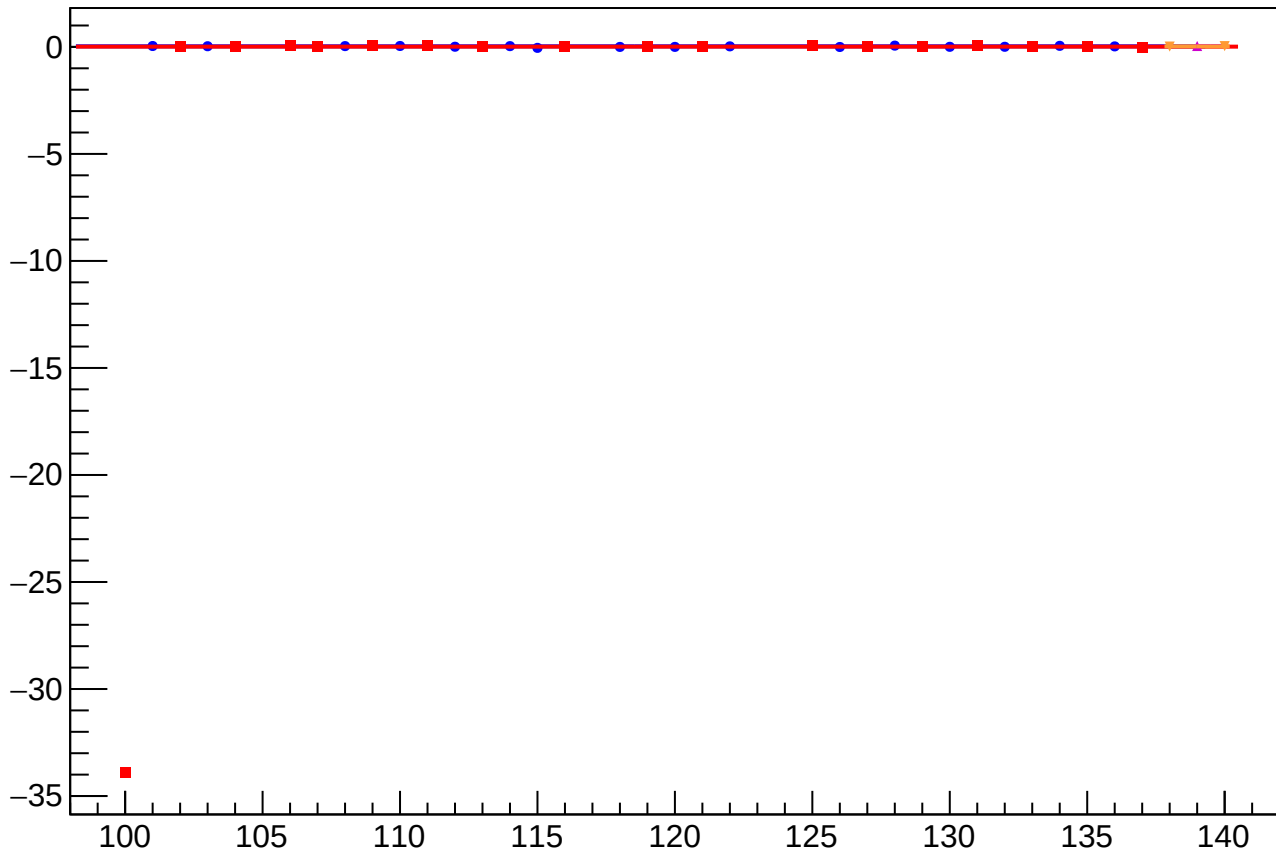
Left In: -0.337 $\pm$ 0.397 χ^2 /NDF: 0.0/0

+ sign 0.088 $\pm$ 0.076 χ^2 /NDF: 25.2/17

All: 0.089 $\pm$ 0.056 χ^2 /NDF: 55.4/36

- sign 0.092 $\pm$ 0.083 χ^2 /NDF: 30.2/18

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027 $\pm$ 0.005 χ^2 /NDF: 14.7/15

Left Out: 0.024 $\pm$ 0.007 χ^2 /NDF: 1.9/1

Right Out: 0.012 $\pm$ 0.005 χ^2 /NDF: 22262.0/17

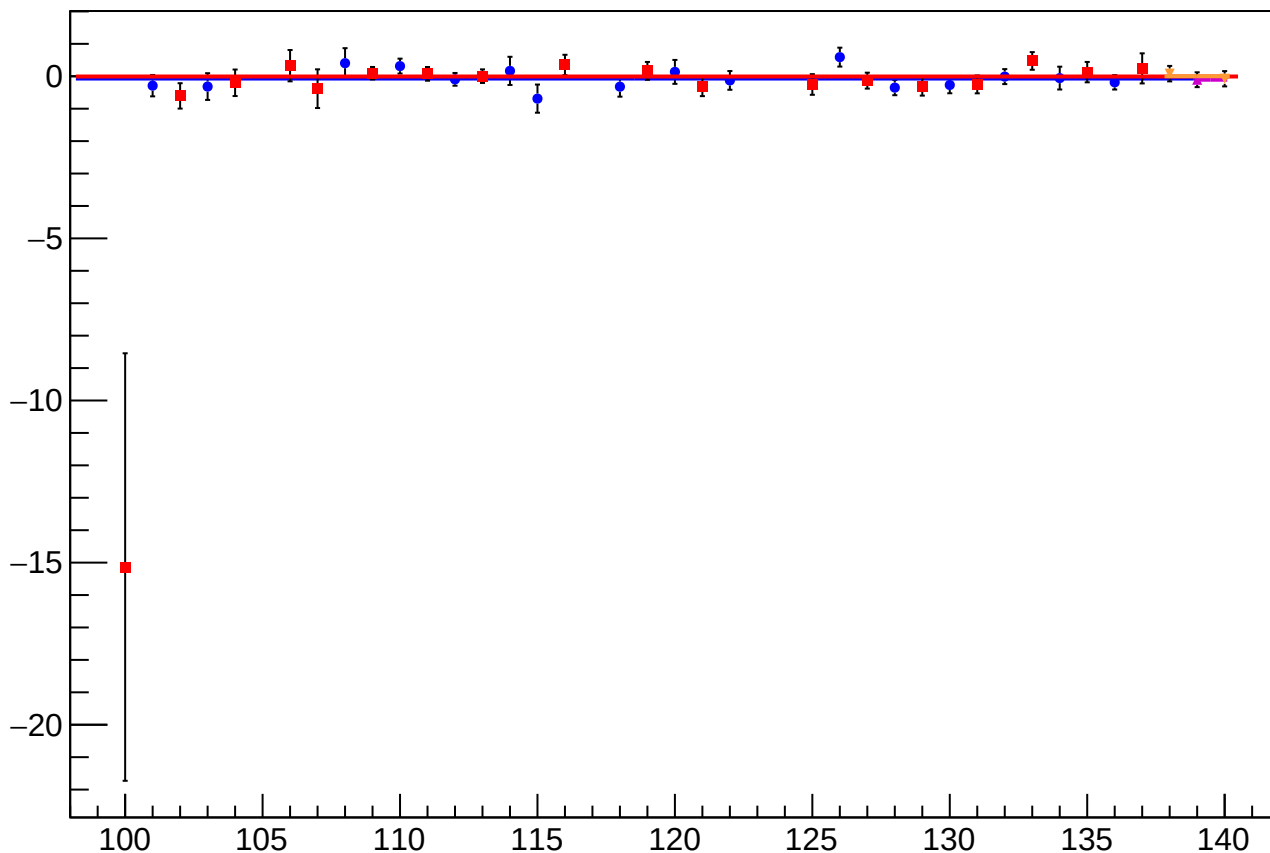
Left In: 0.043 $\pm$ 0.009 χ^2 /NDF: 0.0/0

+ sign 0.026 $\pm$ 0.004 χ^2 /NDF: 16.7/17

All: 0.023 $\pm$ 0.003 χ^2 /NDF: 22290.0/36

- sign 0.019 $\pm$ 0.004 χ^2 /NDF: 22271.9/18

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070 ± 0.071 χ^2/NDF : 15.5/15

Left Out: 0.001 ± 0.168 χ^2/NDF : 0.2/1

Right Out: -0.007 ± 0.070 χ^2/NDF : 18.1/17

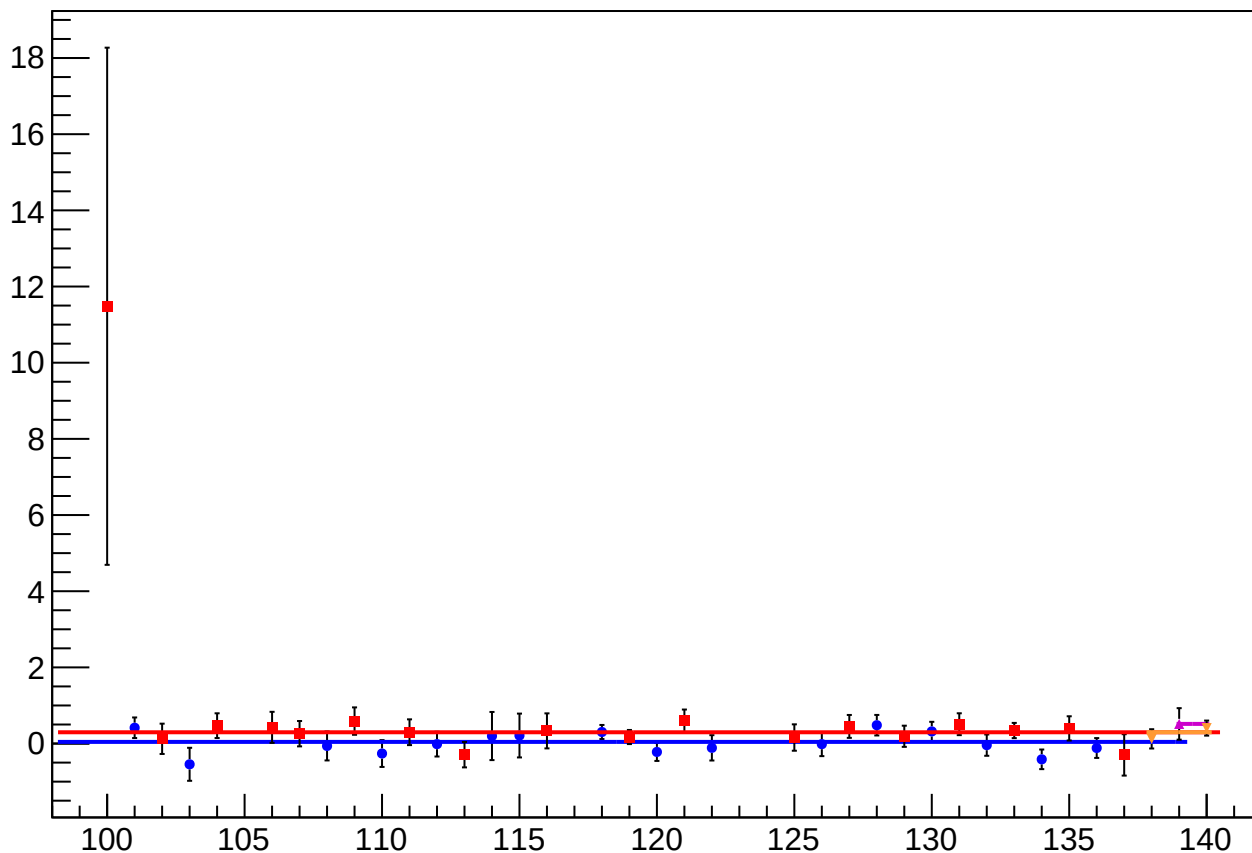
Left In: -0.106 ± 0.229 χ^2/NDF : 0.0/0

+ sign -0.059 ± 0.066 χ^2/NDF : 15.9/17

All: -0.038 ± 0.047 χ^2/NDF : 34.4/36

- sign -0.015 ± 0.067 χ^2/NDF : 18.3/18

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044 ± 0.073 $\chi^2/\text{NDF}: 15.7/15$

Left Out: 0.299 ± 0.156 $\chi^2/\text{NDF}: 0.8/1$

Right Out: 0.296 ± 0.074 $\chi^2/\text{NDF}: 11.0/17$

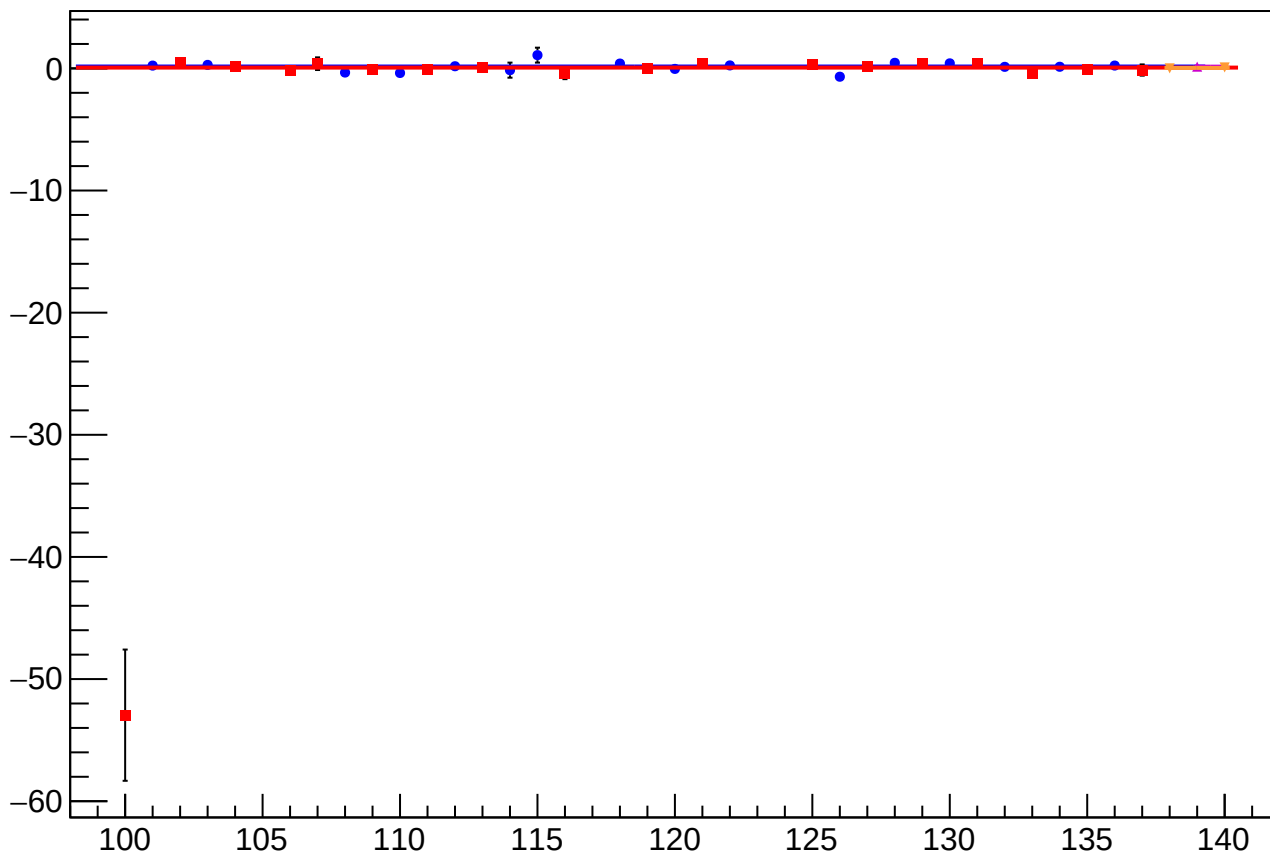
Left In: 0.516 ± 0.414 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.090 ± 0.066 $\chi^2/\text{NDF}: 18.7/17$

All: 0.187 ± 0.049 $\chi^2/\text{NDF}: 34.7/36$

- sign 0.303 ± 0.073 $\chi^2/\text{NDF}: 11.3/18$

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.080 χ^2 /NDF: 15.6/15

Left Out: 0.041 $\pm$ 0.174 χ^2 /NDF: 0.0/1

Right Out: 0.065 $\pm$ 0.081 χ^2 /NDF: 109.3/17

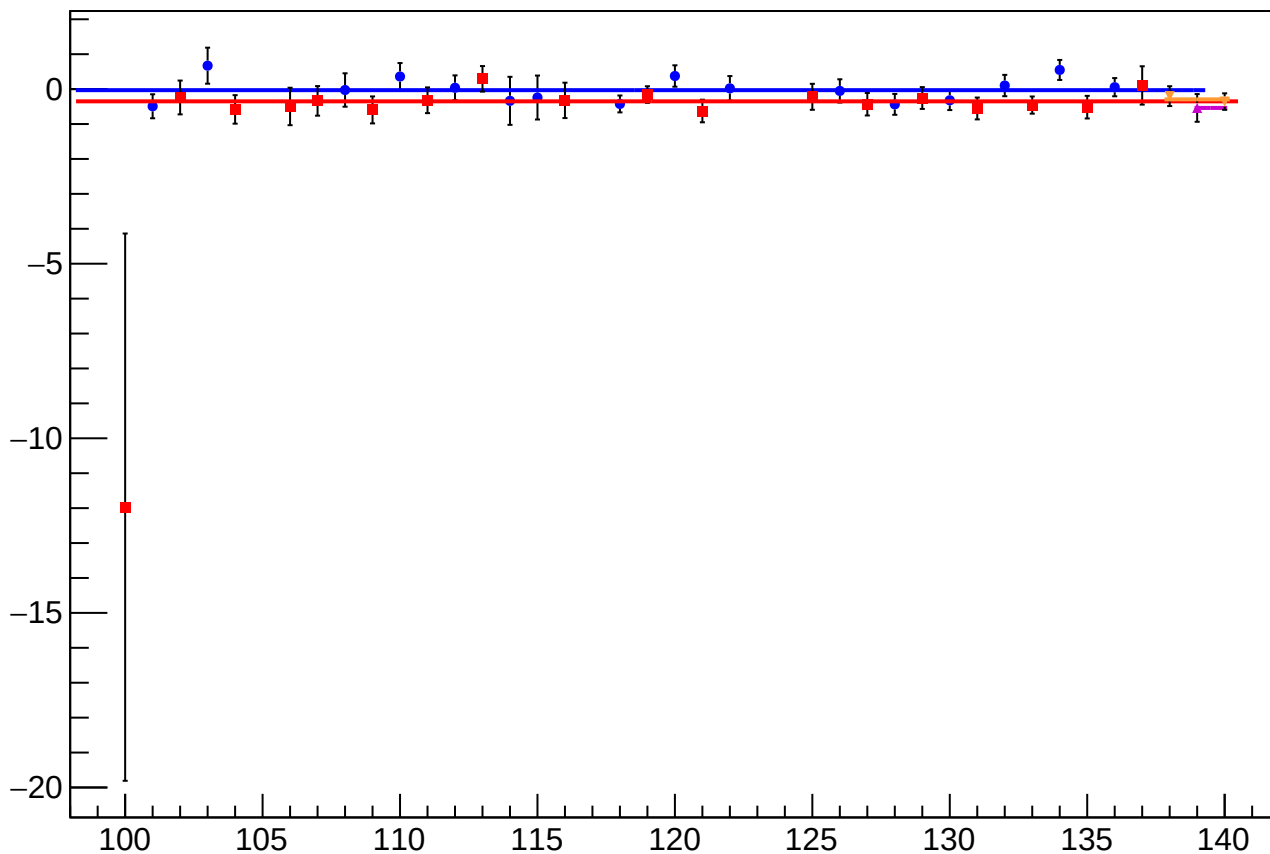
Left In: 0.143 $\pm$ 0.238 χ^2 /NDF: 0.0/0

+ sign 0.134 $\pm$ 0.072 χ^2 /NDF: 16.0/17

All: 0.105 $\pm$ 0.053 χ^2 /NDF: 125.7/36

- sign 0.073 $\pm$ 0.076 χ^2 /NDF: 109.4/18

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030 ± 0.084 χ^2/NDF : 16.8/15

Left Out: -0.294 ± 0.182 χ^2/NDF : 0.2/1

Right Out: -0.350 ± 0.085 χ^2/NDF : 9.4/17

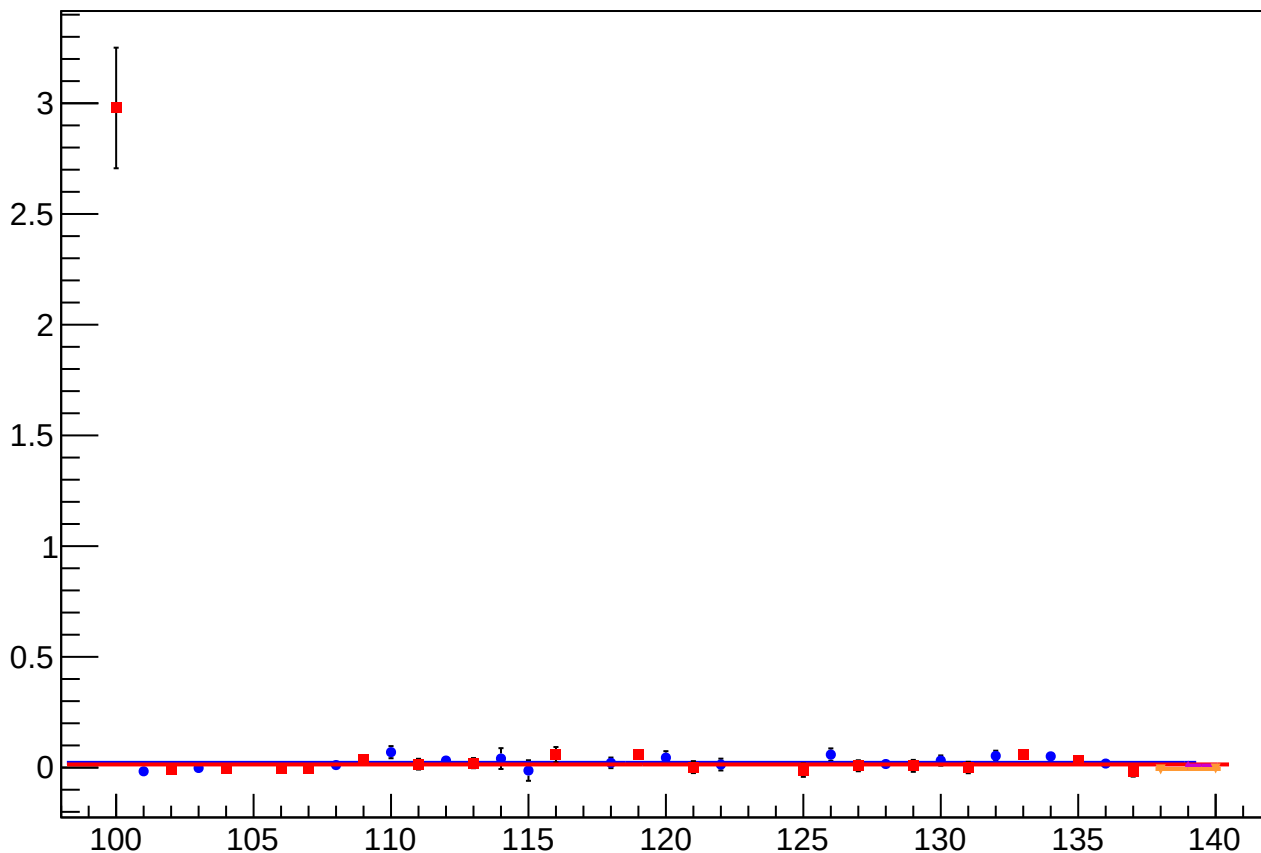
Left In: -0.539 ± 0.397 χ^2/NDF : 0.0/0

+ sign -0.076 ± 0.076 χ^2/NDF : 18.7/17

All: -0.205 ± 0.056 χ^2/NDF : 34.6/36

- sign -0.359 ± 0.083 χ^2/NDF : 9.6/18

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021 ± 0.005 χ^2/NDF : 22.5/15

Left Out: -0.006 ± 0.007 χ^2/NDF : 0.1/1

Right Out: 0.014 ± 0.005 χ^2/NDF : 140.9/17

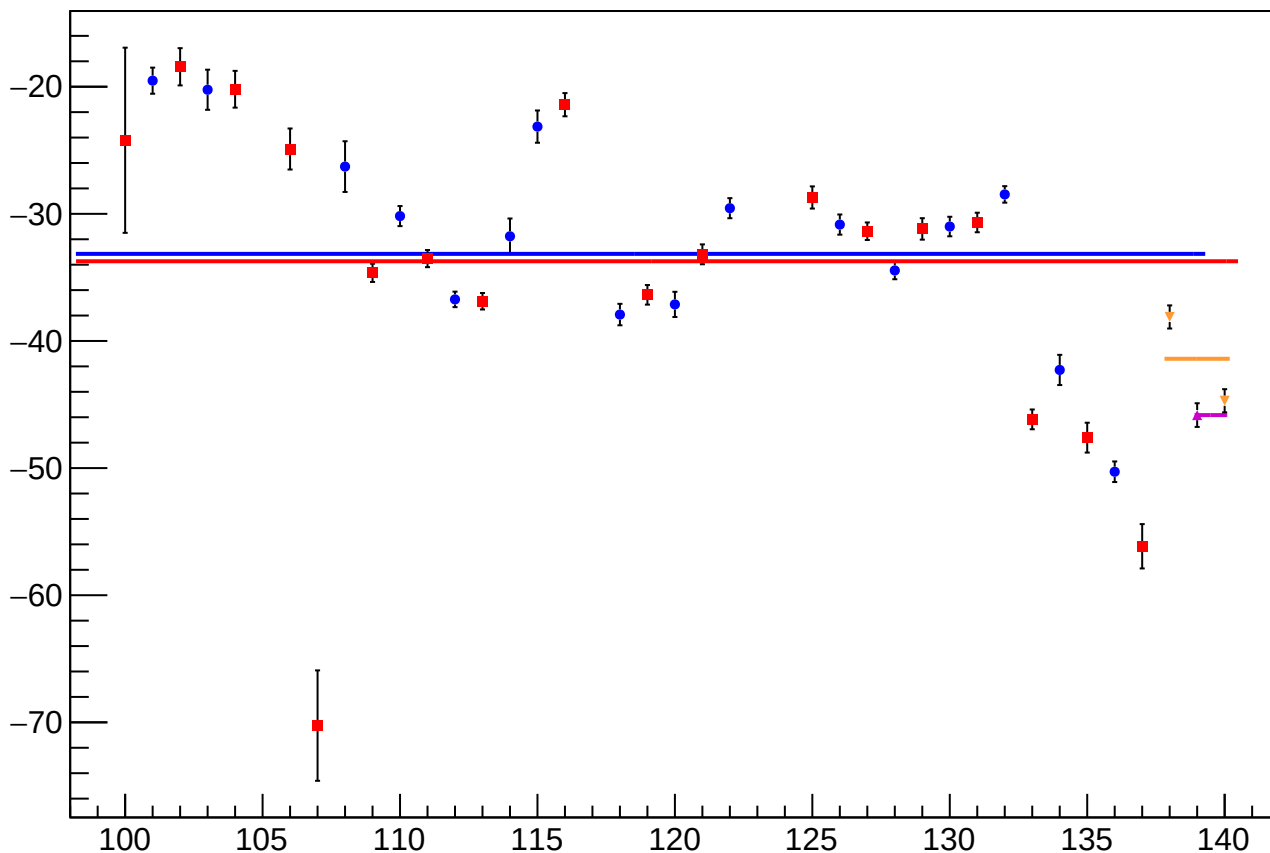
Left In: 0.009 ± 0.009 χ^2/NDF : 0.0/0

+ sign 0.013 ± 0.004 χ^2/NDF : 32.8/17

All: 0.013 ± 0.003 χ^2/NDF : 174.0/36

- sign 0.013 ± 0.004 χ^2/NDF : 141.2/18

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148 ± 0.218 $\chi^2/\text{NDF}: 1013.9/15$

Left Out: -41.401 ± 0.644 $\chi^2/\text{NDF}: 26.2/1$

Right Out: -33.730 ± 0.215 $\chi^2/\text{NDF}: 1148.4/17$

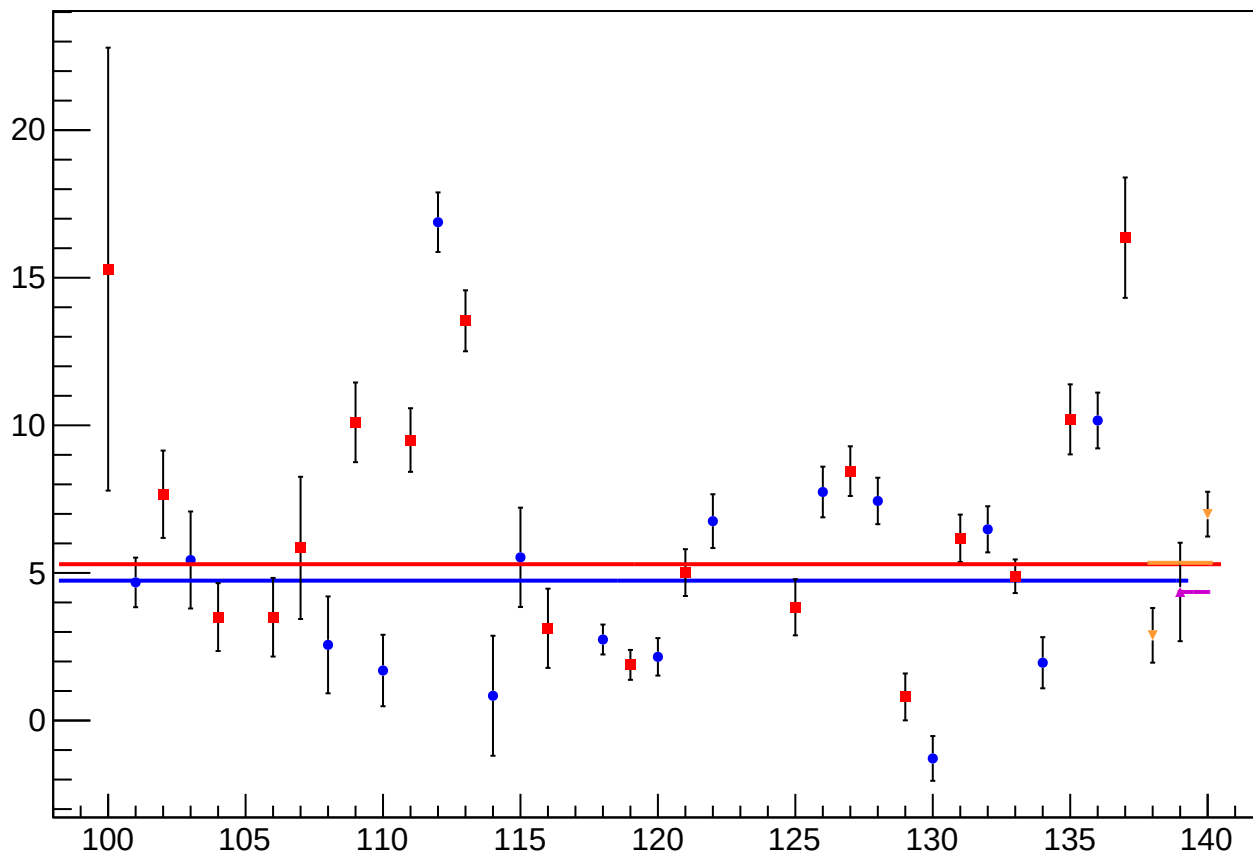
Left In: -45.830 ± 0.931 $\chi^2/\text{NDF}: 0.0/0$

+ sign -33.997 ± 0.206 $\chi^2/\text{NDF}: 1187.6/17$

All: -34.167 ± 0.147 $\chi^2/\text{NDF}: 2497.6/36$

- sign -34.342 ± 0.209 $\chi^2/\text{NDF}: 1308.7/18$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738 ± 0.219 $\chi^2/\text{NDF}: 329.6/15$

Left Out: 5.343 ± 0.587 $\chi^2/\text{NDF}: 11.8/1$

Right Out: 5.295 ± 0.223 $\chi^2/\text{NDF}: 245.0/17$

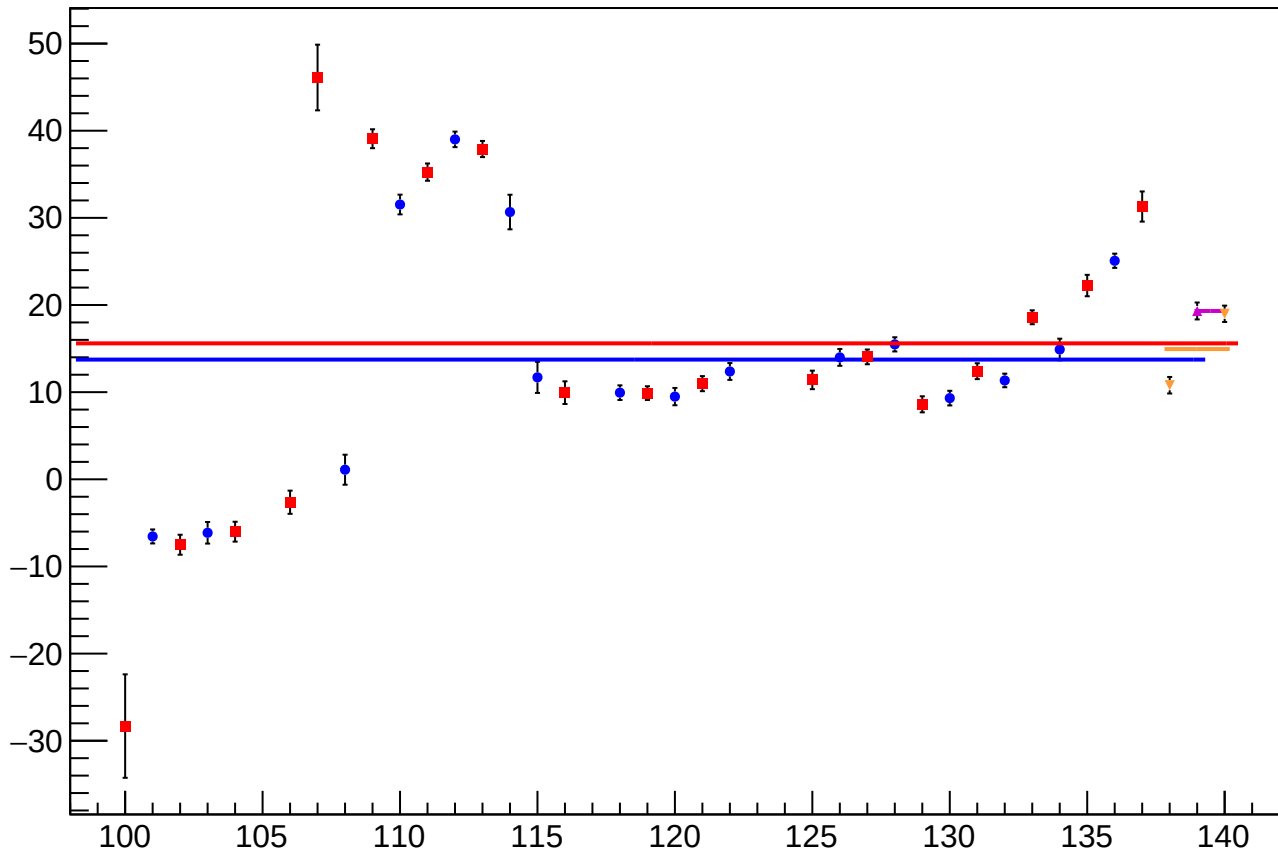
Left In: 4.355 ± 1.667 $\chi^2/\text{NDF}: 0.0/0$

+ sign 4.813 ± 0.205 $\chi^2/\text{NDF}: 342.3/17$

All: 5.028 ± 0.151 $\chi^2/\text{NDF}: 590.0/36$

- sign 5.279 ± 0.221 $\chi^2/\text{NDF}: 245.3/18$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738 $\pm$ 0.247 χ^2 /NDF: 2349.9/15

Left Out: 14.947 $\pm$ 0.667 χ^2 /NDF: 37.8/1

Right Out: 15.599 $\pm$ 0.250 χ^2 /NDF: 2826.3/17

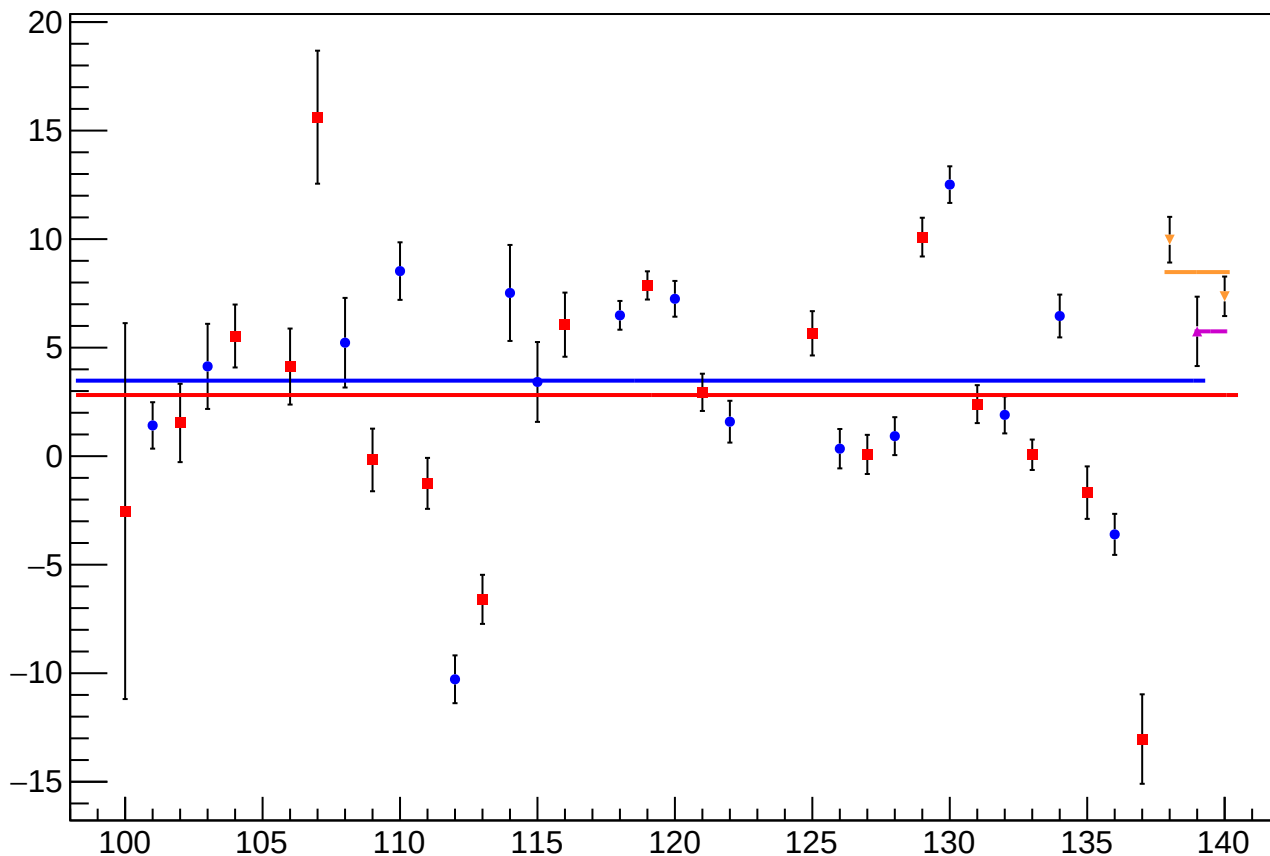
Left In: 19.316 $\pm$ 0.972 χ^2 /NDF: 0.0/0

+ sign 13.883 $\pm$ 0.231 χ^2 /NDF: 2390.5/17

All: 14.812 $\pm$ 0.167 χ^2 /NDF: 5264.3/36

- sign 15.830 $\pm$ 0.242 χ^2 /NDF: 2840.0/18

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479 $\pm$ 0.254 χ^2 /NDF: 427.6/15

Left Out: 8.481 $\pm$ 0.688 χ^2 /NDF: 3.5/1

Right Out: 2.817 $\pm$ 0.257 χ^2 /NDF: 345.3/17

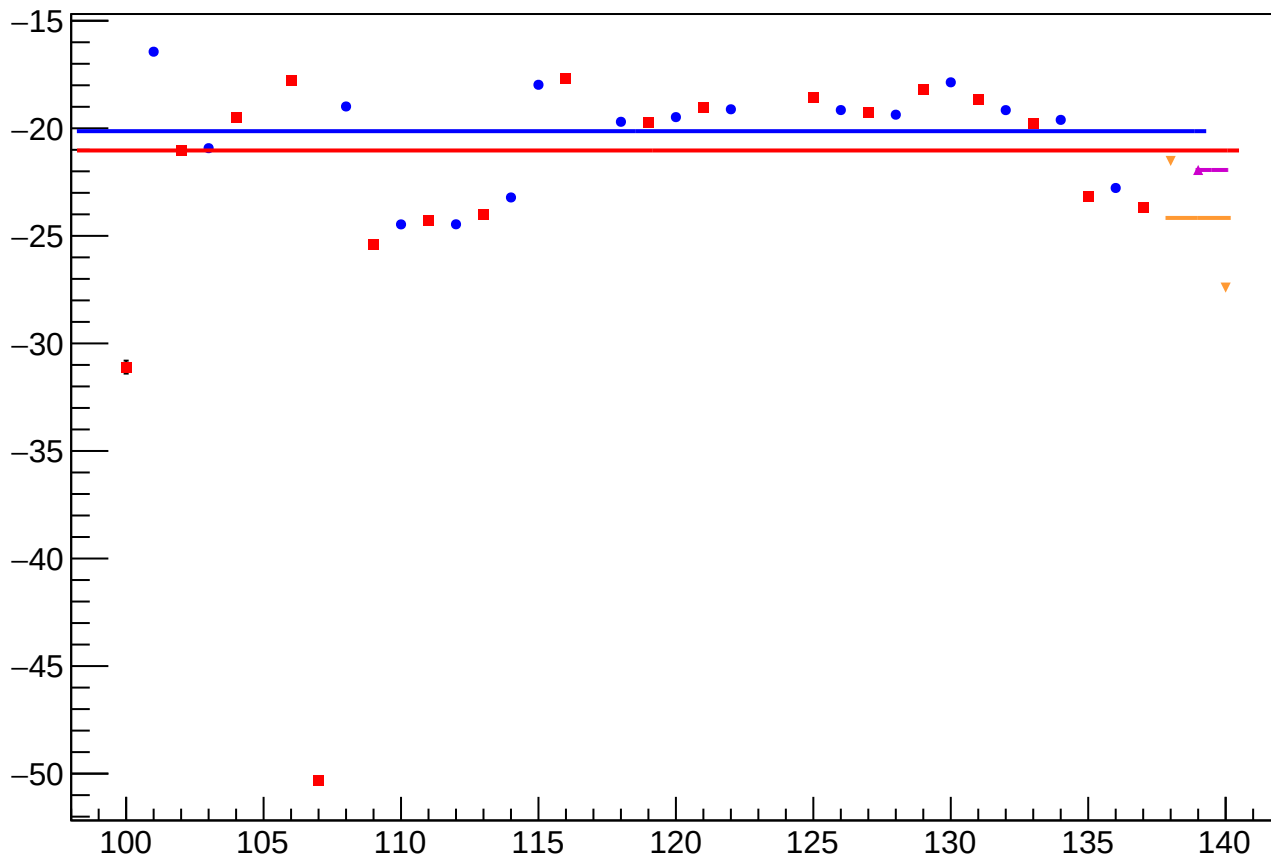
Left In: 5.750 $\pm$ 1.598 χ^2 /NDF: 0.0/0

+ sign 4.077 $\pm$ 0.238 χ^2 /NDF: 477.6/17

All: 3.522 $\pm$ 0.174 χ^2 /NDF: 837.8/36

- sign 2.891 $\pm$ 0.254 χ^2 /NDF: 348.6/18

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133 ± 0.016 χ^2/NDF : 19831.2/15

Left Out: -24.166 ± 0.028 χ^2/NDF : 10945.8/1

Right Out: -21.031 ± 0.016 χ^2/NDF : 57523.6/17

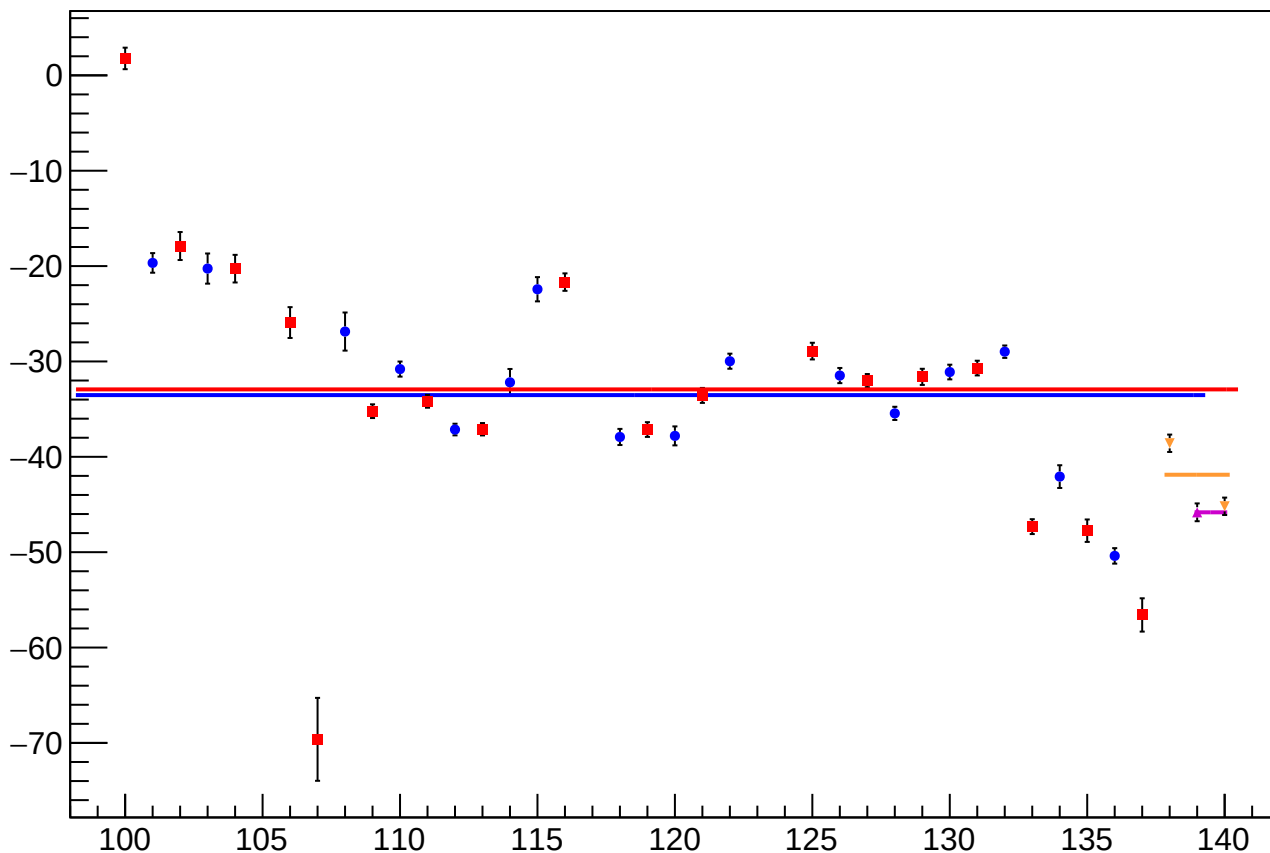
Left In: -21.937 ± 0.034 χ^2/NDF : 0.0/0

+ sign -21.128 ± 0.014 χ^2/NDF : 46415.1/17

All: -21.161 ± 0.010 χ^2/NDF : 104514.6/36

- sign -21.199 ± 0.015 χ^2/NDF : 58087.2/18

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528 ± 0.218 χ^2/NDF : 1008.7/15

Left Out: -41.880 ± 0.645 χ^2/NDF : 26.3/1

Right Out: -32.931 ± 0.212 χ^2/NDF : 2170.0/17

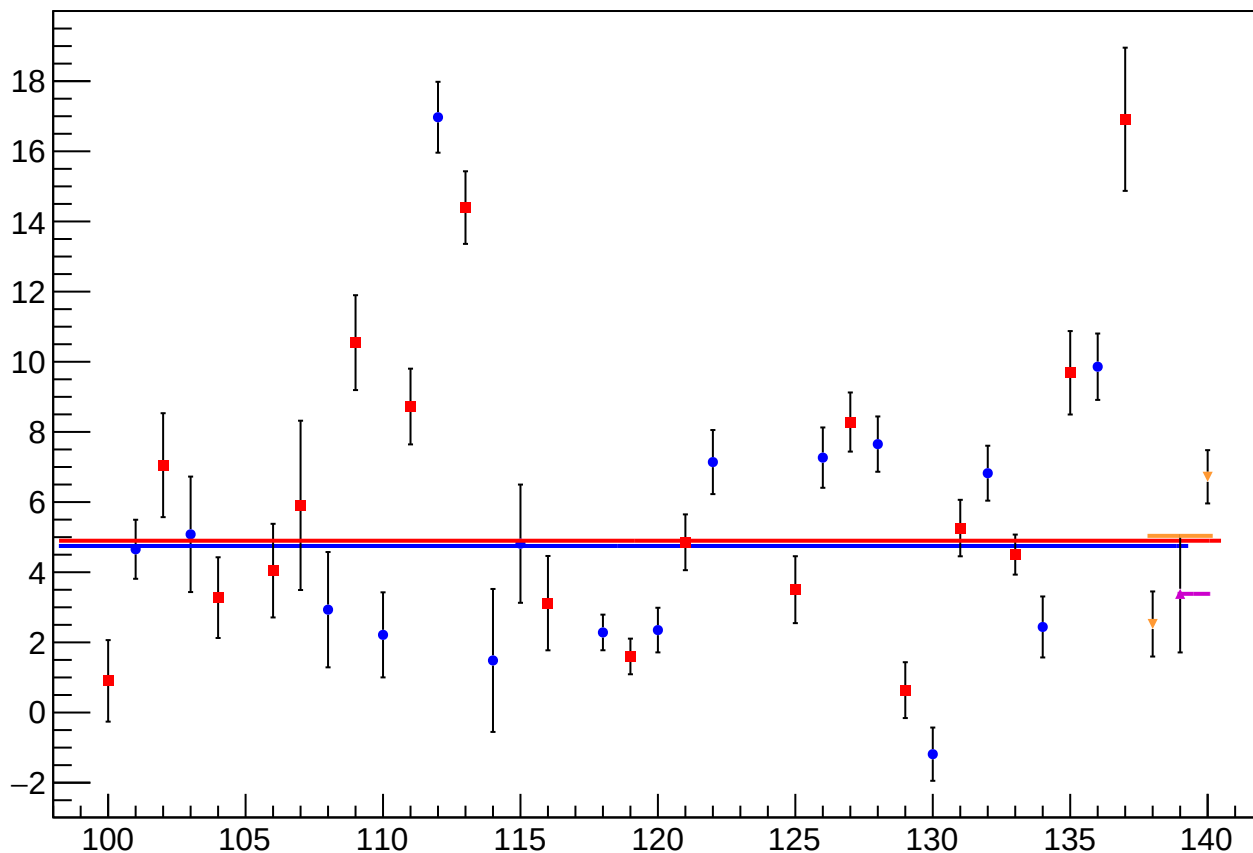
Left In: -45.820 ± 0.933 χ^2/NDF : 0.0/0

+ sign -34.388 ± 0.207 χ^2/NDF : 1185.4/17

All: -33.973 ± 0.146 χ^2/NDF : 3544.9/36

- sign -33.561 ± 0.206 χ^2/NDF : 2351.4/18

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748 ± 0.220 χ^2/NDF : 325.7/15

Left Out: 5.037 ± 0.588 χ^2/NDF : 12.2/1

Right Out: 4.898 ± 0.220 χ^2/NDF : 273.1/17

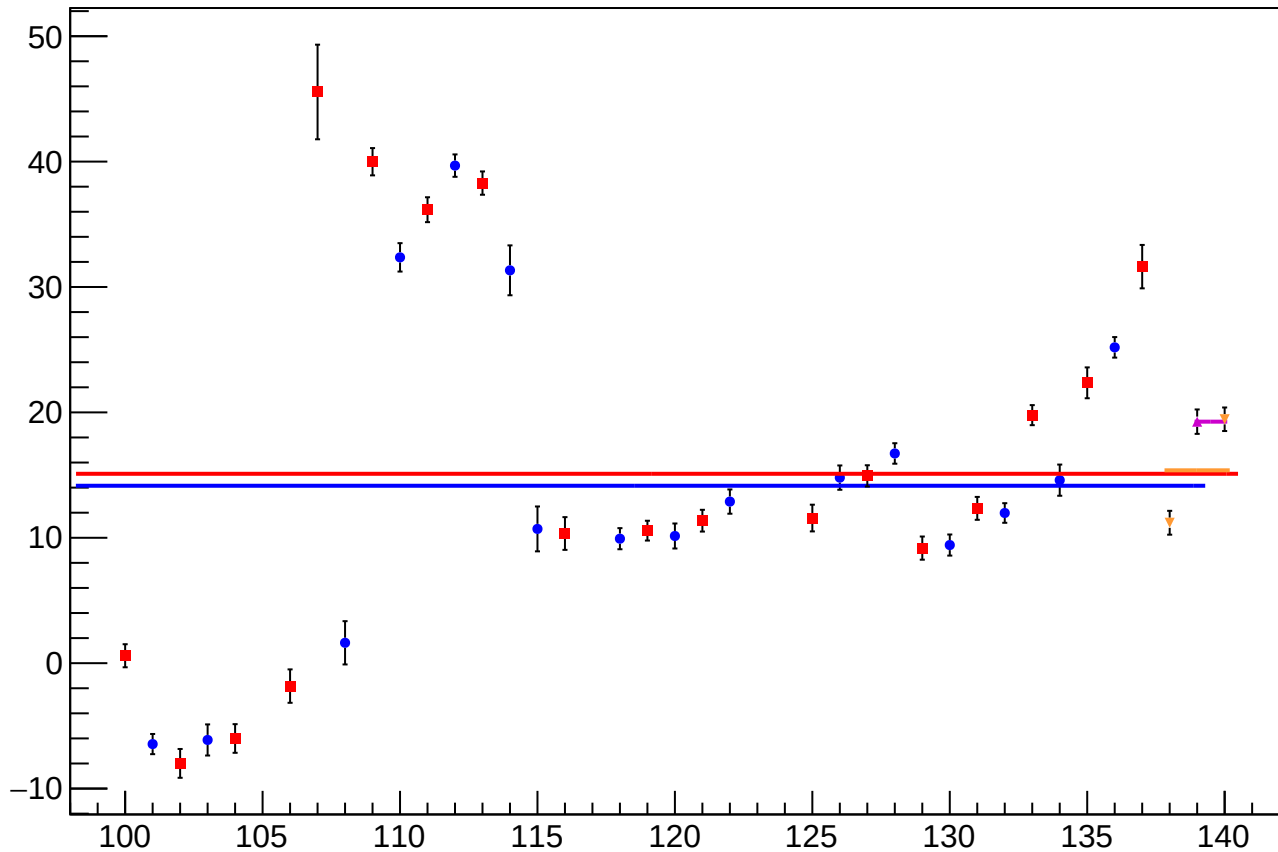
Left In: 3.384 ± 1.671 χ^2/NDF : 0.0/0

+ sign 4.784 ± 0.206 χ^2/NDF : 338.2/17

All: 4.826 ± 0.150 χ^2/NDF : 612.1/36

- sign 4.872 ± 0.218 χ^2/NDF : 273.9/18

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149 $\pm$ 0.247 χ^2 /NDF: 2402.4/15

Left Out: 15.380 $\pm$ 0.668 χ^2 /NDF: 38.2/1

Right Out: 15.103 $\pm$ 0.242 χ^2 /NDF: 3102.3/17

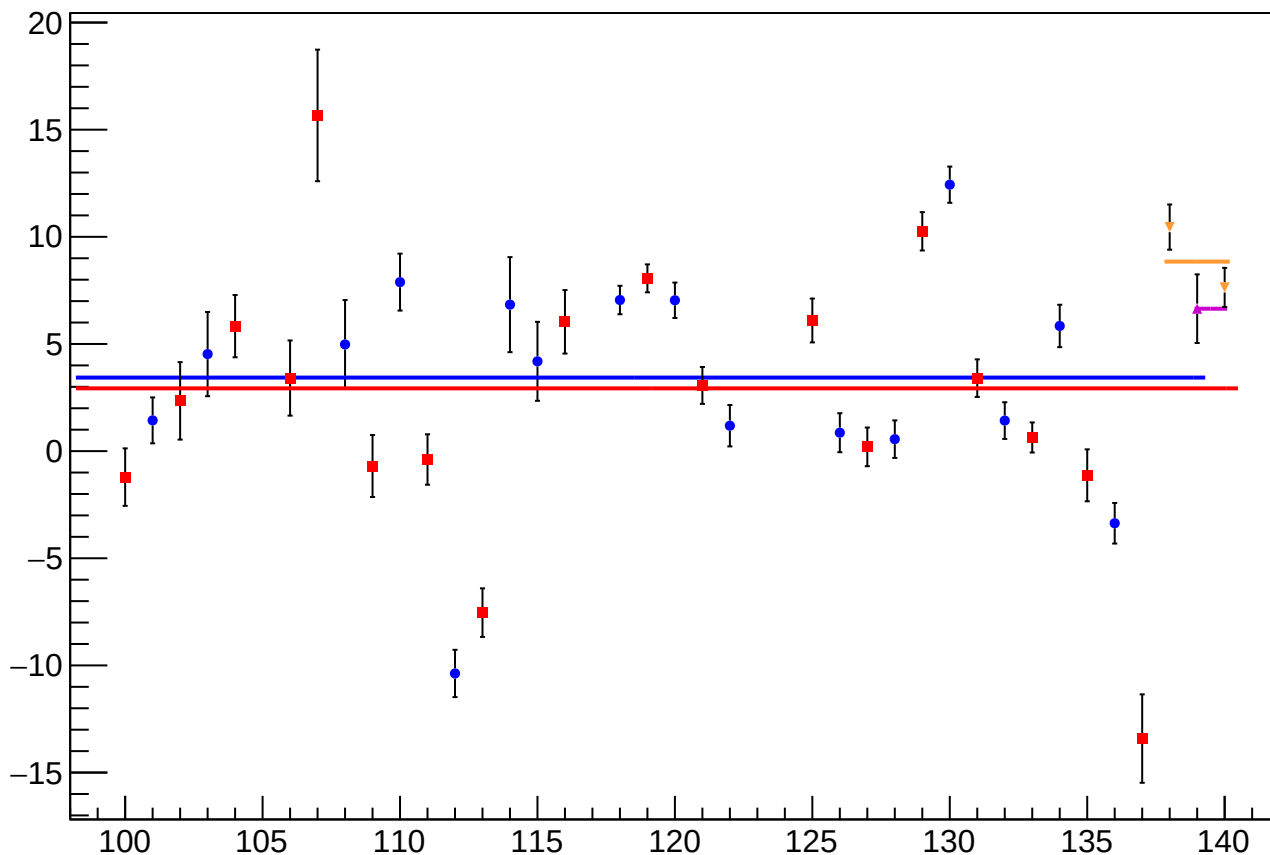
Left In: 19.260 $\pm$ 0.974 χ^2 /NDF: 0.0/0

+ sign 14.297 $\pm$ 0.232 χ^2 /NDF: 2443.5/17

All: 14.814 $\pm$ 0.165 χ^2 /NDF: 5573.0/36

- sign 15.345 $\pm$ 0.235 χ^2 /NDF: 3119.5/18

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432 ± 0.254 χ^2/NDF : 424.0/15

Left Out: 8.844 ± 0.690 χ^2/NDF : 4.1/1

Right Out: 2.929 ± 0.253 χ^2/NDF : 367.7/17

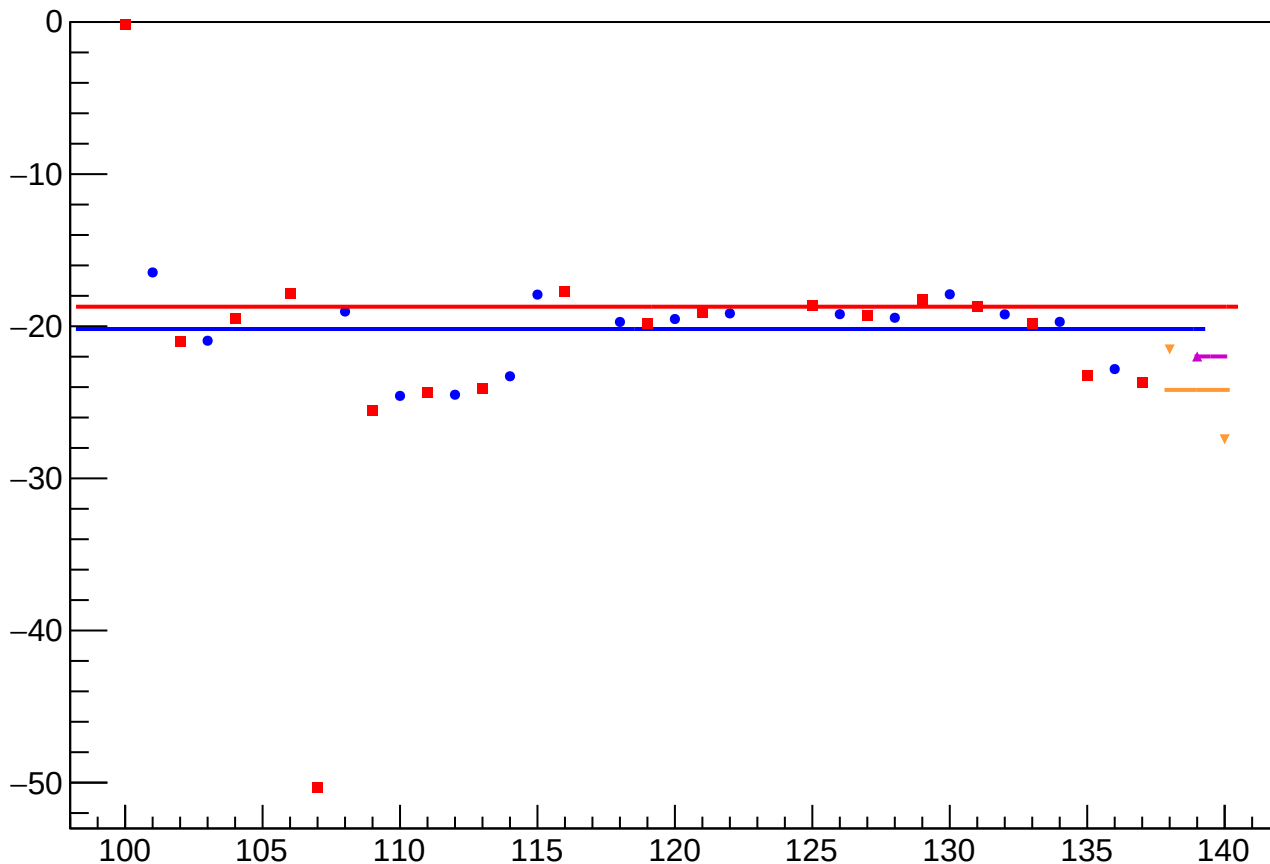
Left In: 6.646 ± 1.601 χ^2/NDF : 0.0/0

+ sign 4.079 ± 0.239 χ^2/NDF : 482.3/17

All: 3.575 ± 0.173 χ^2/NDF : 864.7/36

- sign 3.020 ± 0.250 χ^2/NDF : 373.0/18

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180 ± 0.016 $\chi^2/\text{NDF}: 19856.9/15$

Left Out: -24.183 ± 0.028 $\chi^2/\text{NDF}: 10976.2/1$

Right Out: -18.714 ± 0.016 $\chi^2/\text{NDF}: 234667.0/17$

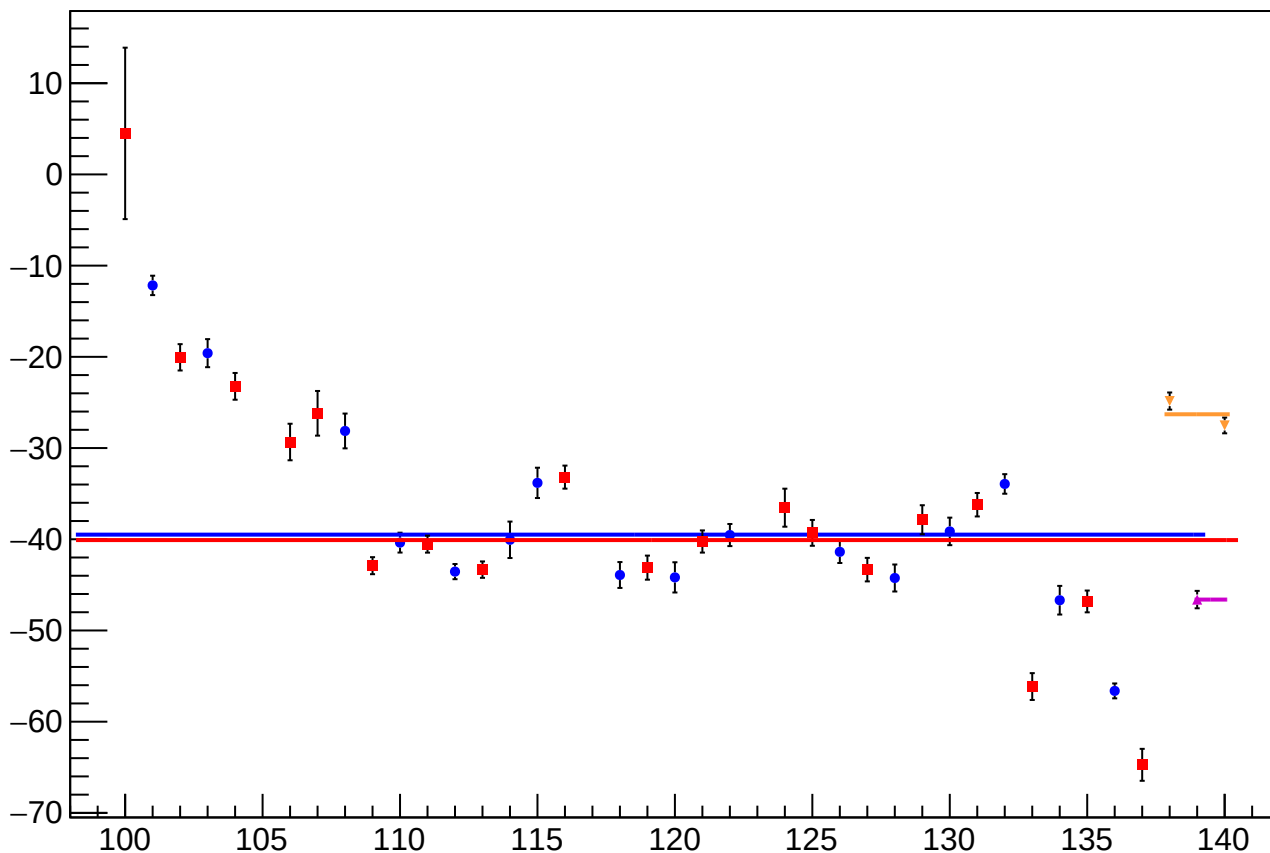
Left In: -21.985 ± 0.035 $\chi^2/\text{NDF}: 0.0/0$

+ sign -21.168 ± 0.014 $\chi^2/\text{NDF}: 46175.8/17$

All: -20.235 ± 0.010 $\chi^2/\text{NDF}: 297447.4/36$

- sign -19.267 ± 0.014 $\chi^2/\text{NDF}: 242132.1/18$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493 ± 0.311 $\chi^2/\text{NDF}: 1417.1/15$

Left Out: -26.297 ± 0.637 $\chi^2/\text{NDF}: 4.4/1$

Right Out: -40.090 ± 0.307 $\chi^2/\text{NDF}: 834.9/18$

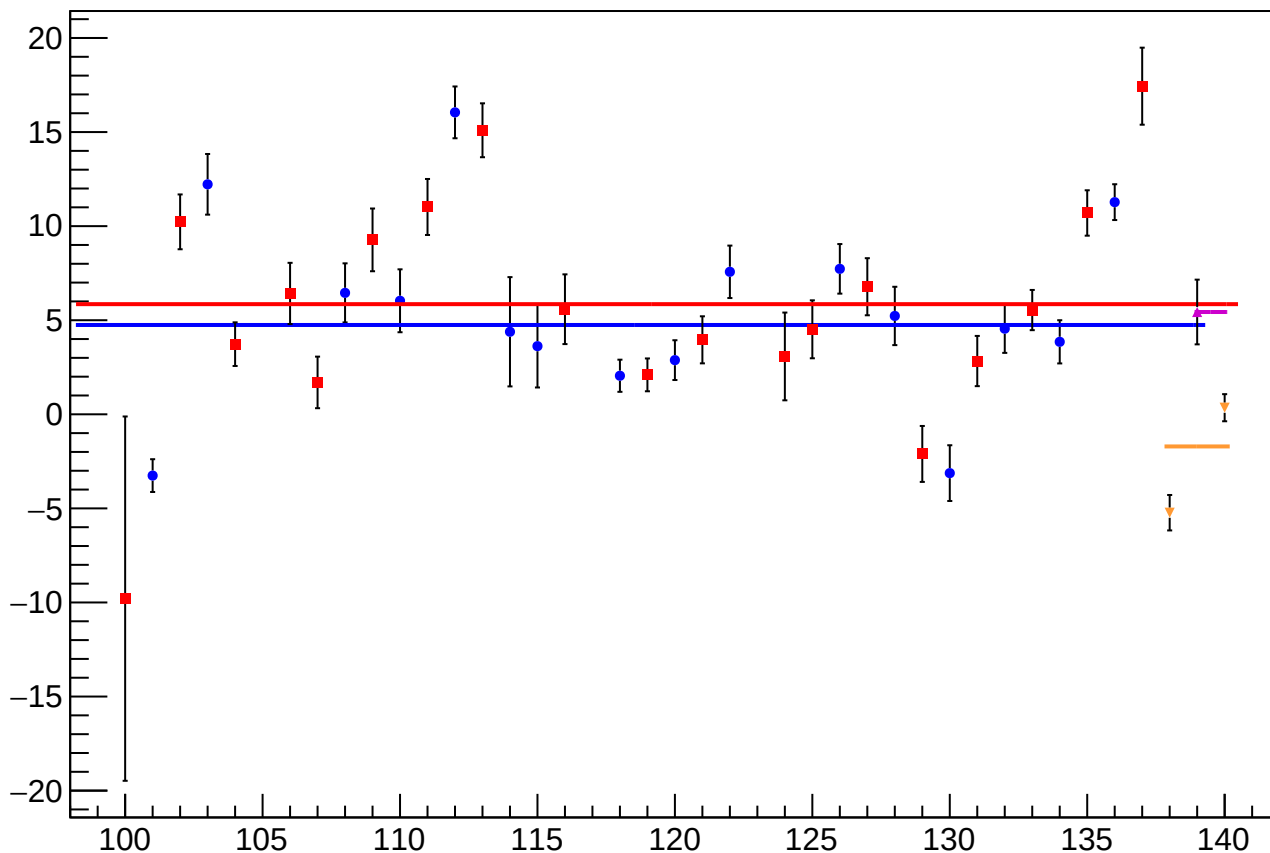
Left In: -46.613 ± 0.955 $\chi^2/\text{NDF}: 0.0/0$

+ sign -36.954 ± 0.279 $\chi^2/\text{NDF}: 1768.5/17$

All: -38.741 ± 0.202 $\chi^2/\text{NDF}: 2731.7/37$

- sign -40.701 ± 0.292 $\chi^2/\text{NDF}: 877.2/19$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747 ± 0.316 χ^2/NDF : 273.8/15

Left Out: -1.708 ± 0.572 χ^2/NDF : 22.1/1

Right Out: 5.854 ± 0.324 χ^2/NDF : 187.6/18

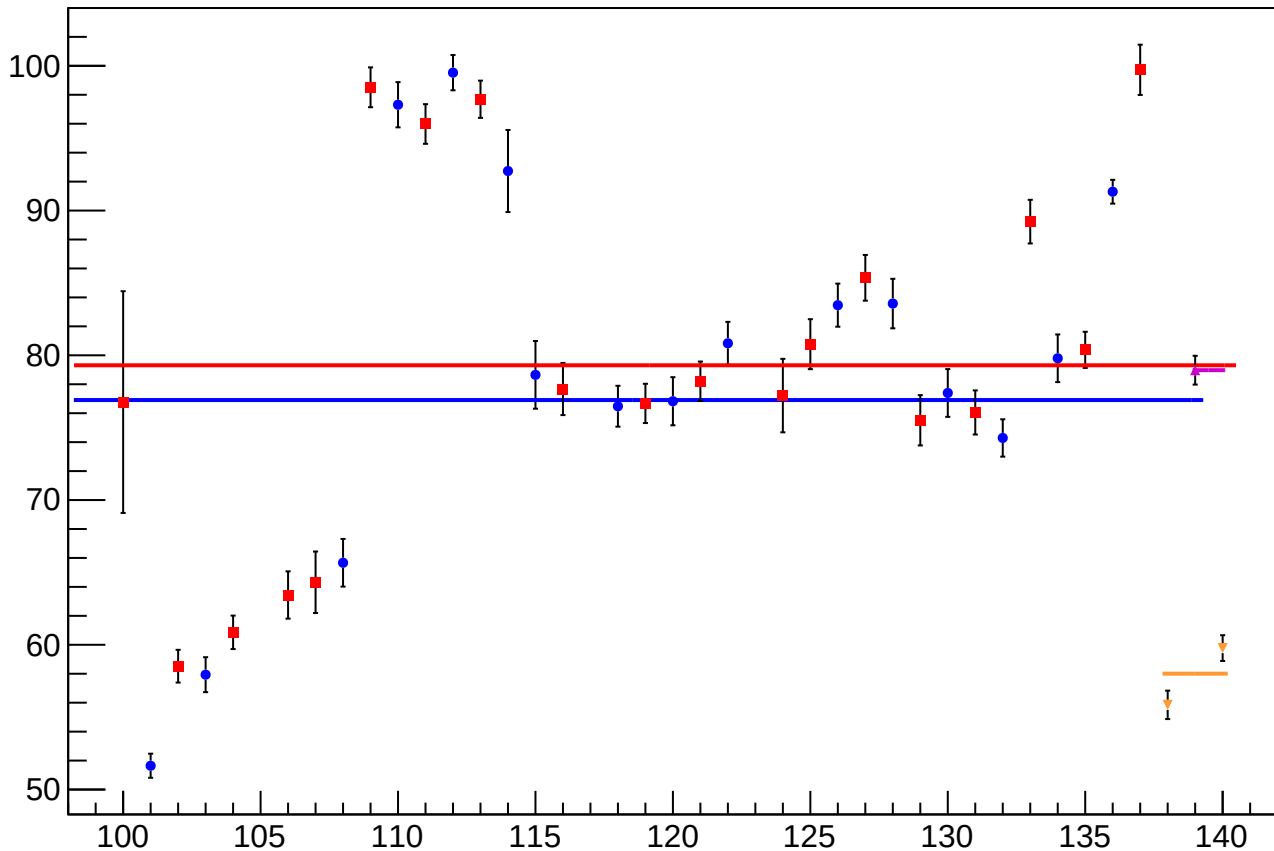
Left In: 5.437 ± 1.720 χ^2/NDF : 0.0/0

+ sign 3.239 ± 0.277 χ^2/NDF : 393.5/17

All: 4.358 ± 0.209 χ^2/NDF : 619.3/37

- sign 5.840 ± 0.318 χ^2/NDF : 187.7/19

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909 $\pm$ 0.337 χ^2 /NDF: 2116.0/15

Left Out: 58.004 $\pm$ 0.659 χ^2 /NDF: 8.8/1

Right Out: 79.311 $\pm$ 0.348 χ^2 /NDF: 1496.4/18

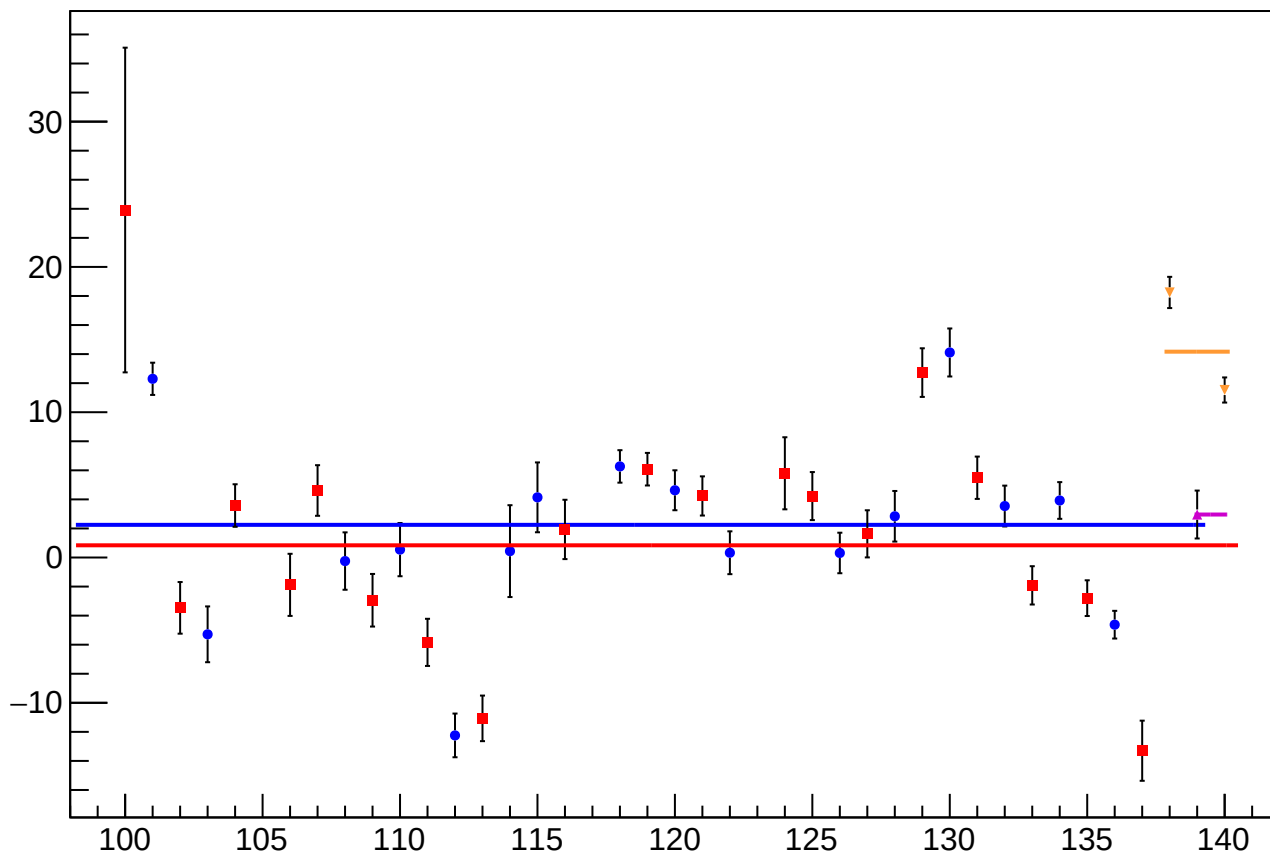
Left In: 78.971 $\pm$ 0.995 χ^2 /NDF: 0.0/0

+ sign 72.992 $\pm$ 0.300 χ^2 /NDF: 2777.3/17

All: 75.849 $\pm$ 0.221 χ^2 /NDF: 4473.3/37

- sign 79.274 $\pm$ 0.328 χ^2 /NDF: 1496.5/19

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248 ± 0.363 χ^2/NDF : 319.6/15

Left Out: 14.167 ± 0.674 χ^2/NDF : 23.7/1

Right Out: 0.840 ± 0.372 χ^2/NDF : 256.2/18

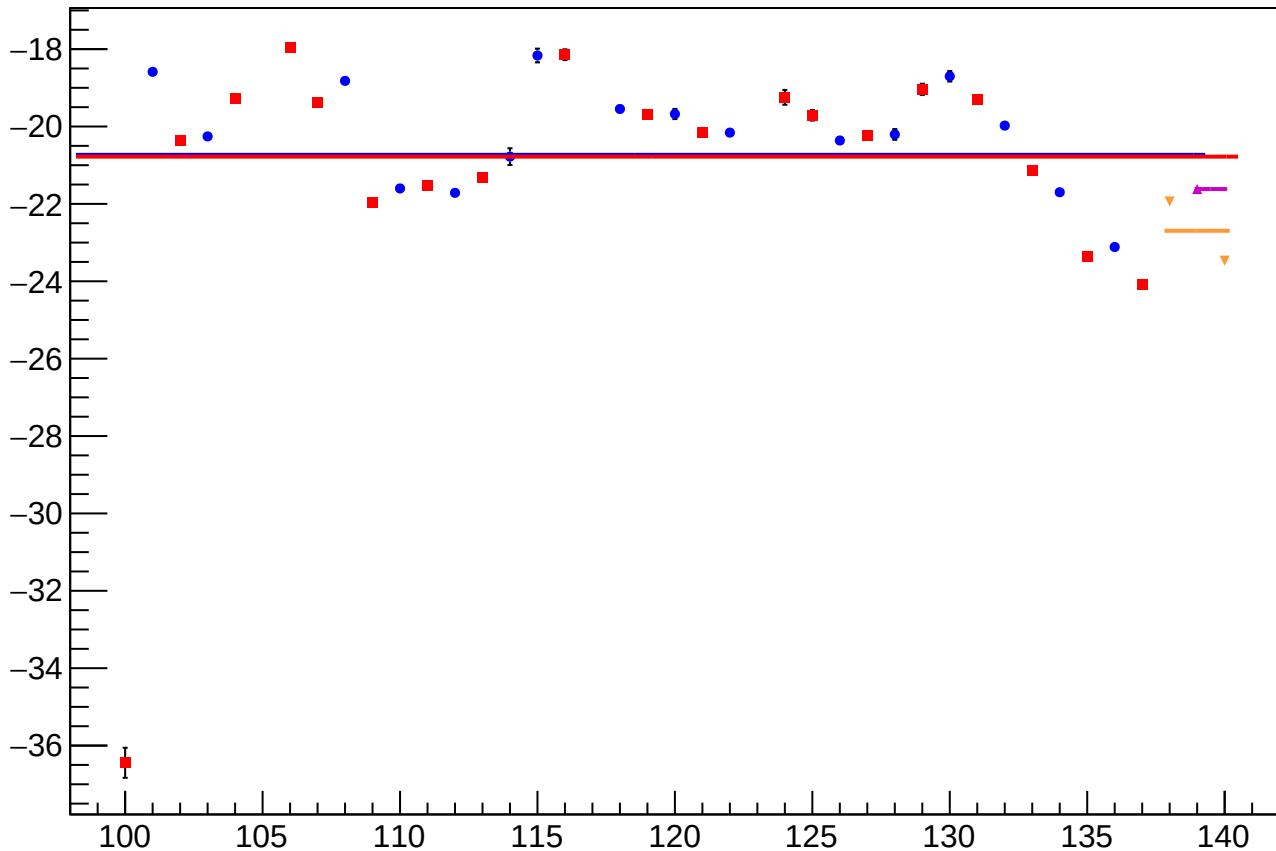
Left In: 2.958 ± 1.649 χ^2/NDF : 0.0/0

+ sign 4.930 ± 0.320 χ^2/NDF : 585.8/17

All: 3.189 ± 0.240 χ^2/NDF : 911.6/37

- sign 0.943 ± 0.363 χ^2/NDF : 257.8/19

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732 ± 0.019 χ^2/NDF : 7634.1/15

Left Out: -22.695 ± 0.028 χ^2/NDF : 753.5/1

Right Out: -20.778 ± 0.020 χ^2/NDF : 9426.6/18

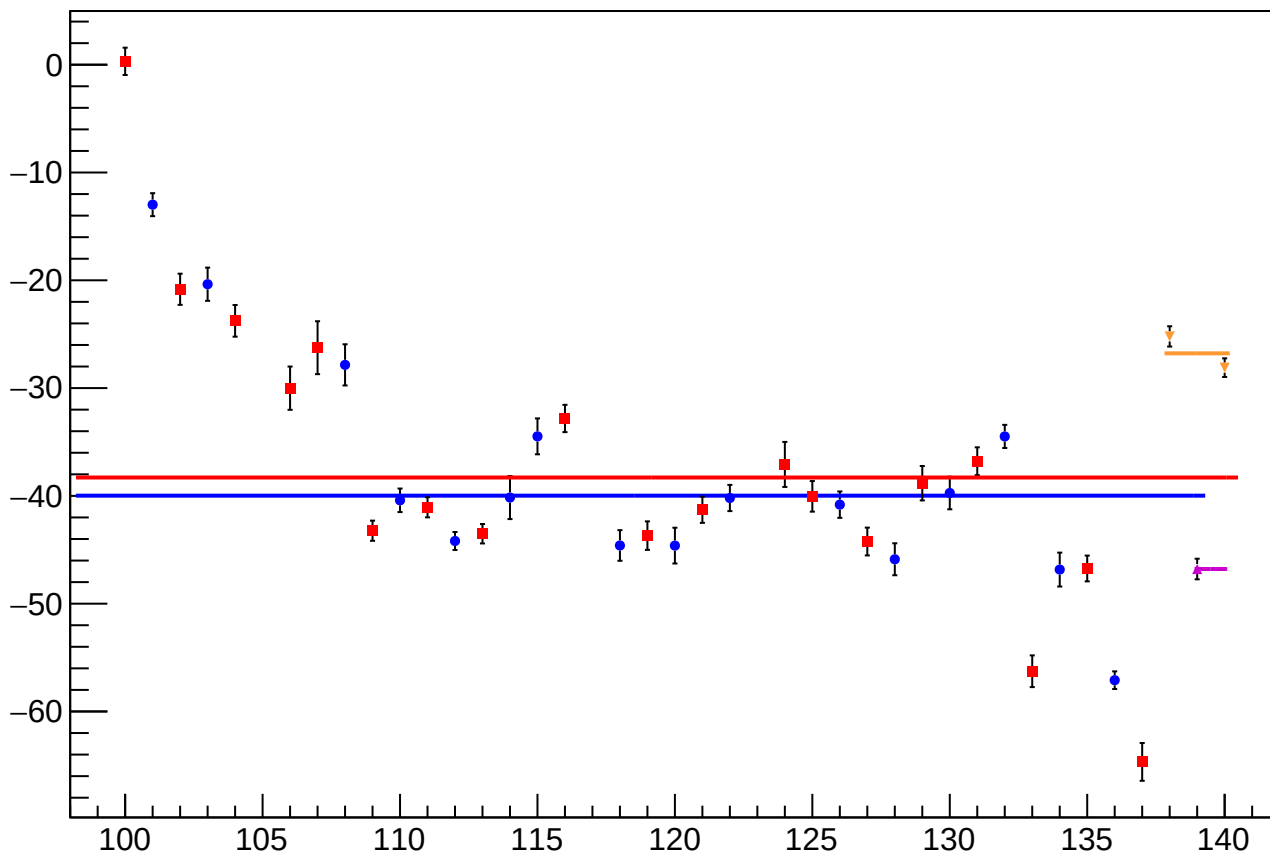
Left In: -21.616 ± 0.036 χ^2/NDF : 0.0/0

+ sign -21.374 ± 0.016 χ^2/NDF : 11727.1/17

All: -21.198 ± 0.012 χ^2/NDF : 21846.6/37

- sign -20.983 ± 0.018 χ^2/NDF : 9846.9/19

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979 ± 0.311 χ^2/NDF : 1398.4/15

Left Out: -26.777 ± 0.638 χ^2/NDF : 5.1/1

Right Out: -38.295 ± 0.299 χ^2/NDF : 1773.8/18

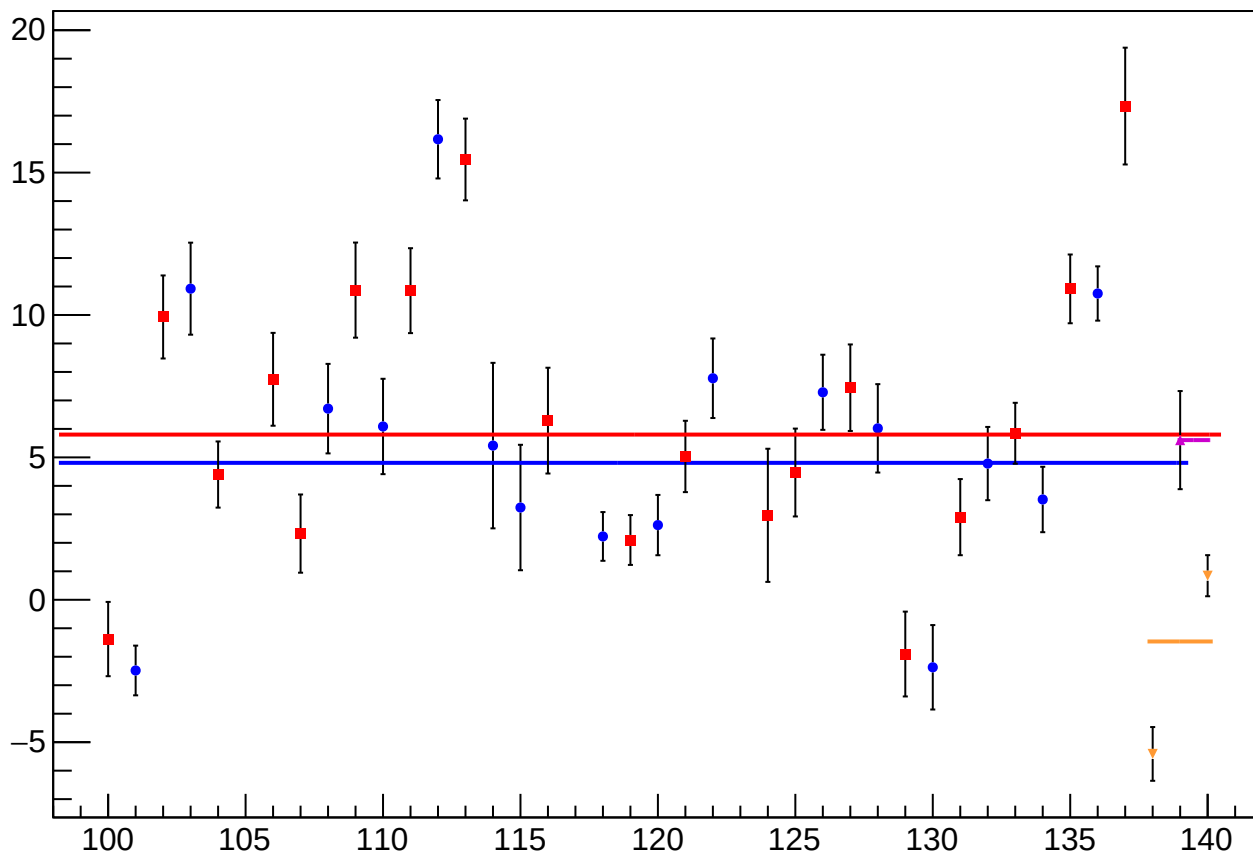
Left In: -46.785 ± 0.957 χ^2/NDF : 0.0/0

+ sign -37.442 ± 0.280 χ^2/NDF : 1749.7/17

All: -38.230 ± 0.200 χ^2/NDF : 3611.4/37

- sign -39.051 ± 0.285 χ^2/NDF : 1845.5/19

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808 ± 0.316 $\chi^2/\text{NDF}: 240.5/15$

Left Out: -1.464 ± 0.573 $\chi^2/\text{NDF}: 27.7/1$

Right Out: 5.801 ± 0.315 $\chi^2/\text{NDF}: 216.4/18$

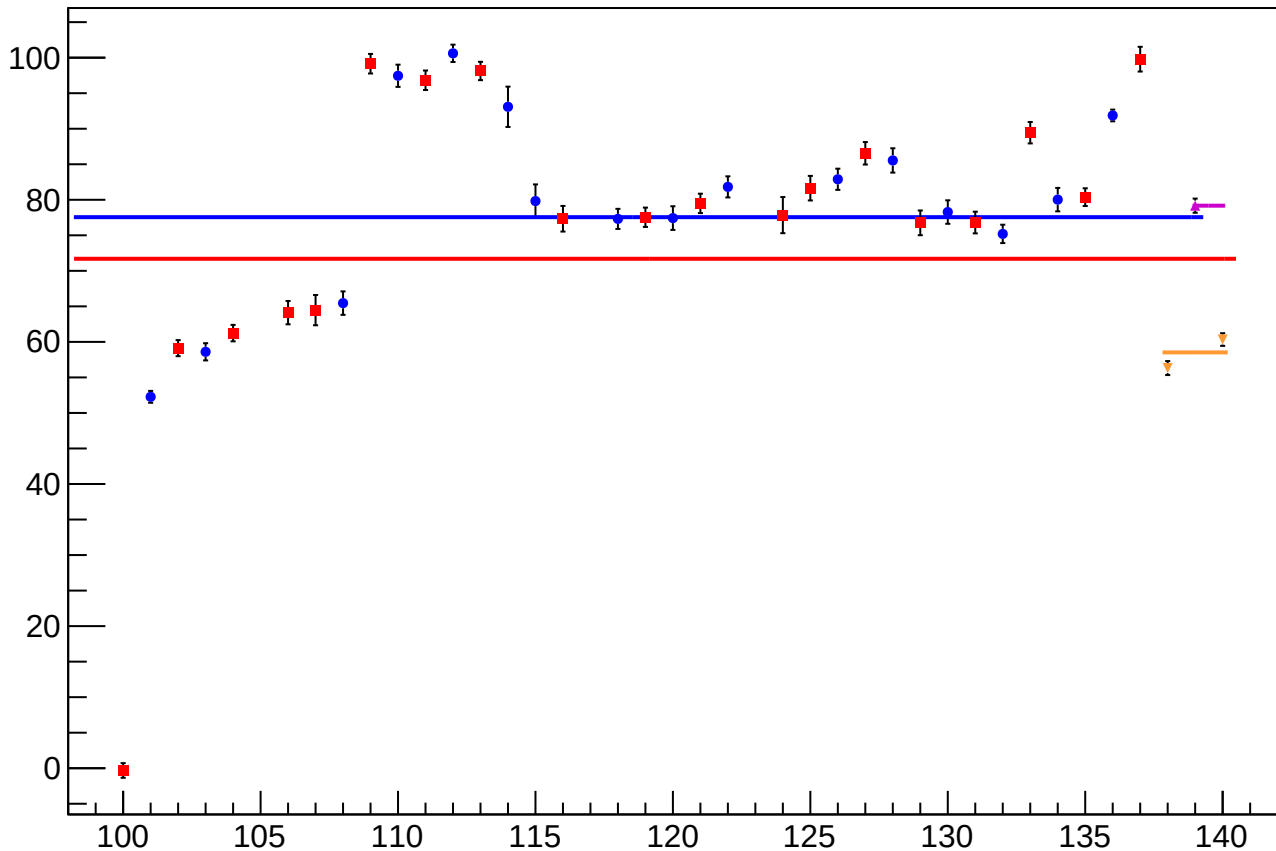
Left In: 5.607 ± 1.723 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3.344 ± 0.277 $\chi^2/\text{NDF}: 360.0/17$

All: 4.433 ± 0.207 $\chi^2/\text{NDF}: 611.2/37$

- sign 5.795 ± 0.310 $\chi^2/\text{NDF}: 216.4/19$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554 $\pm$ 0.337 χ^2 /NDF: 2118.3/15

Left Out: 58.522 $\pm$ 0.660 χ^2 /NDF: 9.2/1

Right Out: 71.699 $\pm$ 0.330 χ^2 /NDF: 6903.5/18

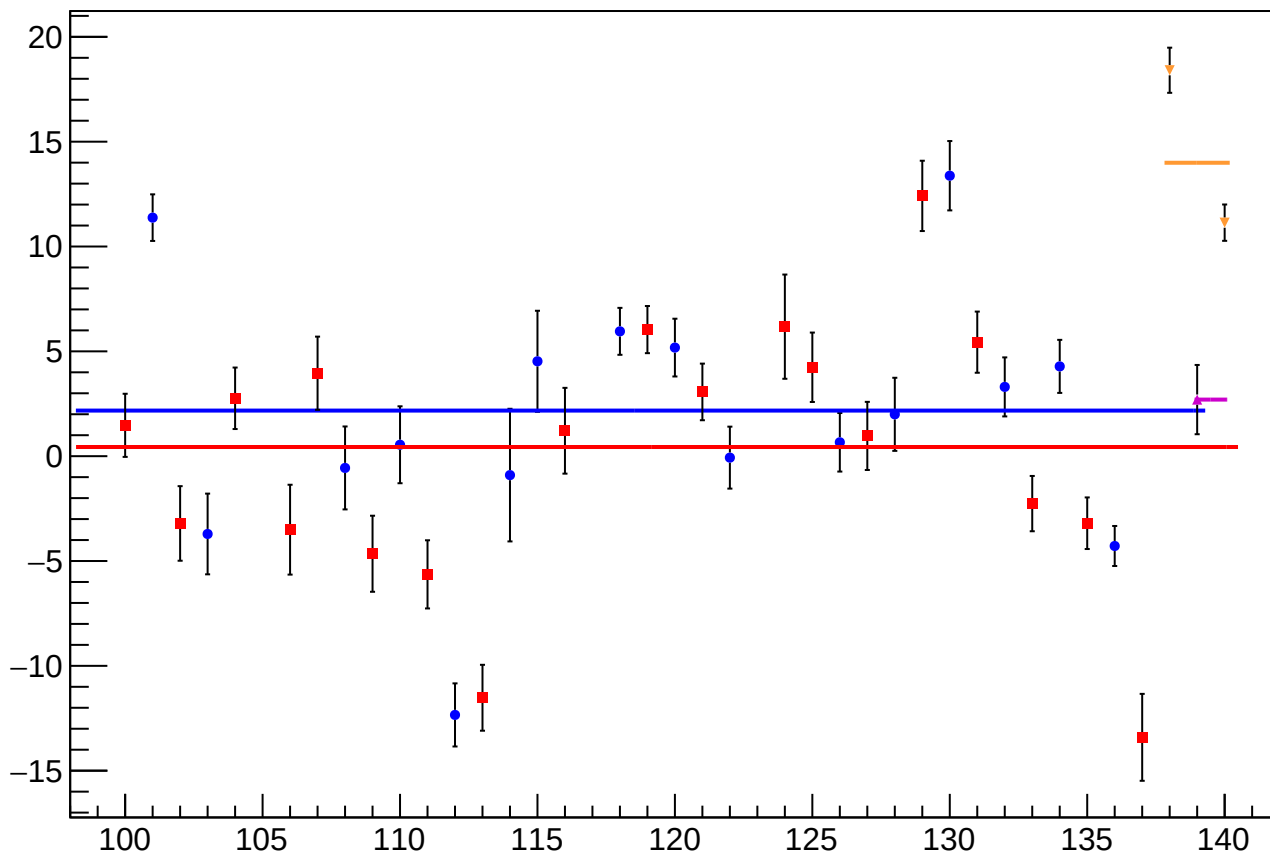
Left In: 79.171 $\pm$ 0.997 χ^2 /NDF: 0.0/0

+ sign 73.613 $\pm$ 0.300 χ^2 /NDF: 2786.3/17

All: 73.051 $\pm$ 0.217 χ^2 /NDF: 9747.7/37

- sign 72.438 $\pm$ 0.314 χ^2 /NDF: 6954.1/19

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175 $\pm$ 0.364 χ^2 /NDF: 290.3/15

Left Out: 13.995 $\pm$ 0.675 χ^2 /NDF:27.7/1

Right Out: 0.438 $\pm$ 0.362 χ^2 /NDF: 254.1/18

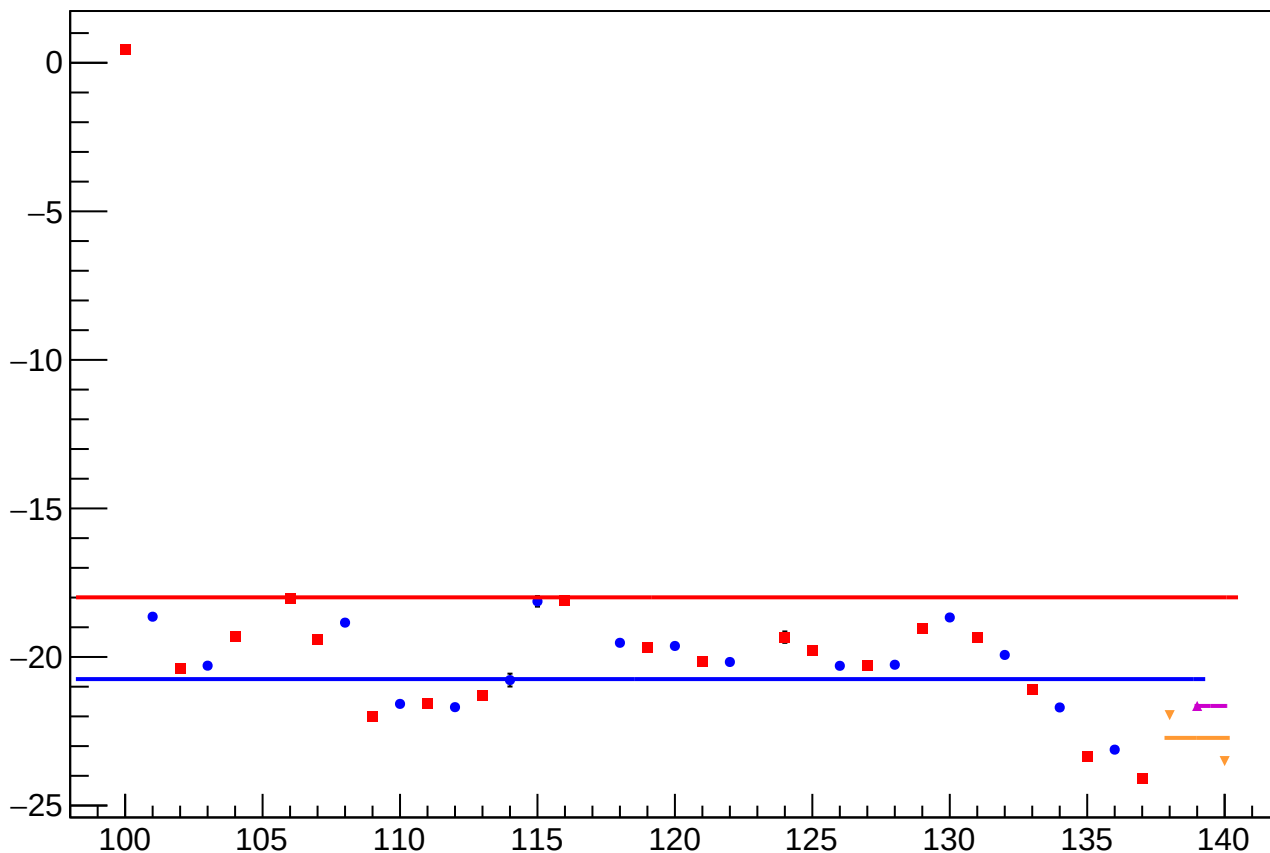
Left In: 2.699 $\pm$ 1.652 χ^2 /NDF:0.0/0

+ sign 4.833 $\pm$ 0.320 χ^2 /NDF: 555.6/17

All: 2.900 $\pm$ 0.237 χ^2 /NDF: 892.5/37

- sign 0.541 $\pm$ 0.354 χ^2 /NDF: 255.9/19

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745 ± 0.019 $\chi^2/\text{NDF}: 7513.6/15$

Left Out: -22.723 ± 0.028 $\chi^2/\text{NDF}: 767.1/1$

Right Out: -17.993 ± 0.019 $\chi^2/\text{NDF}: 150579.1/18$

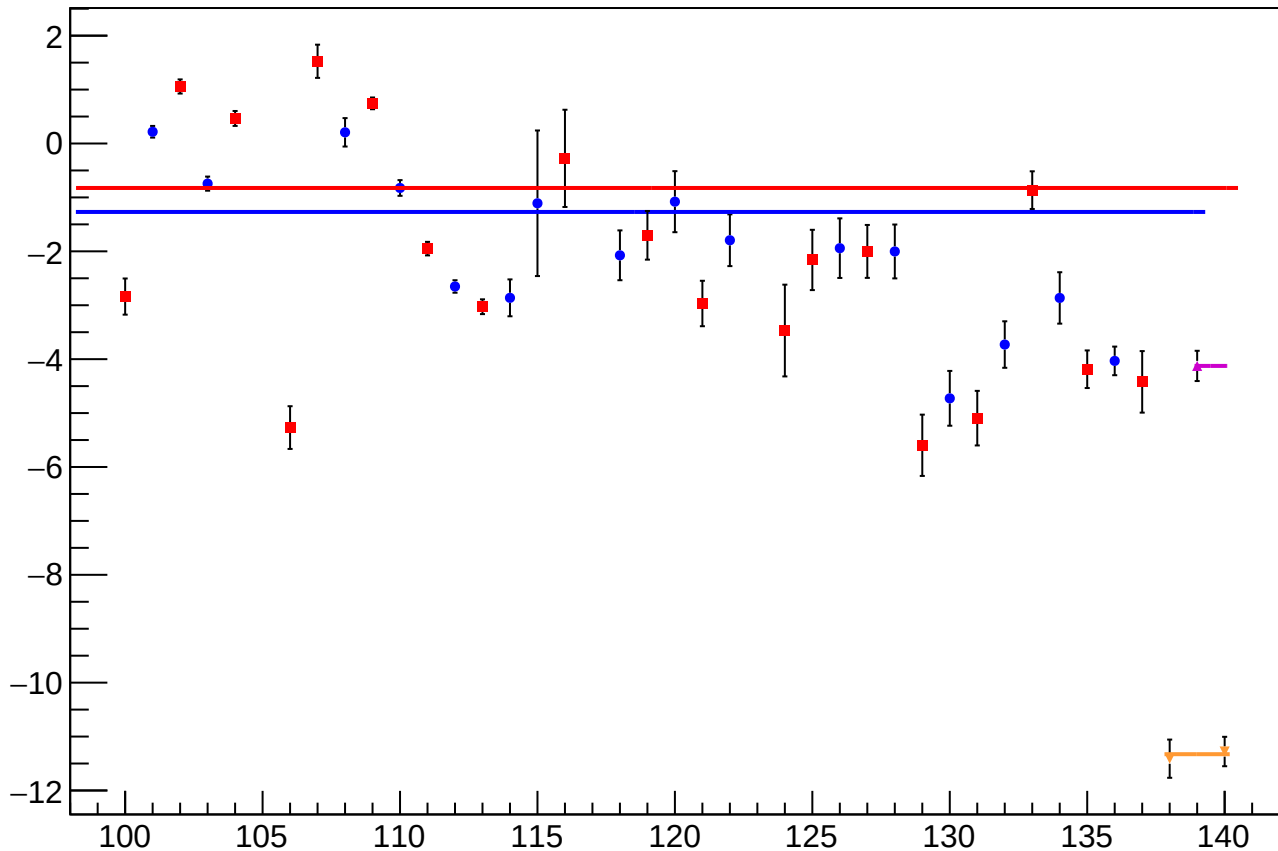
Left In: -21.648 ± 0.036 $\chi^2/\text{NDF}: 0.0/0$

+ sign -21.391 ± 0.016 $\chi^2/\text{NDF}: 11663.2/17$

All: -20.151 ± 0.012 $\chi^2/\text{NDF}: 183122.3/37$

- sign -18.796 ± 0.017 $\chi^2/\text{NDF}: 158817.2/19$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270 ± 0.055 χ^2/NDF : 616.5/15

Left Out: -11.327 ± 0.216 χ^2/NDF : 0.1/1

Right Out: -0.825 ± 0.051 χ^2/NDF : 1384.3/18

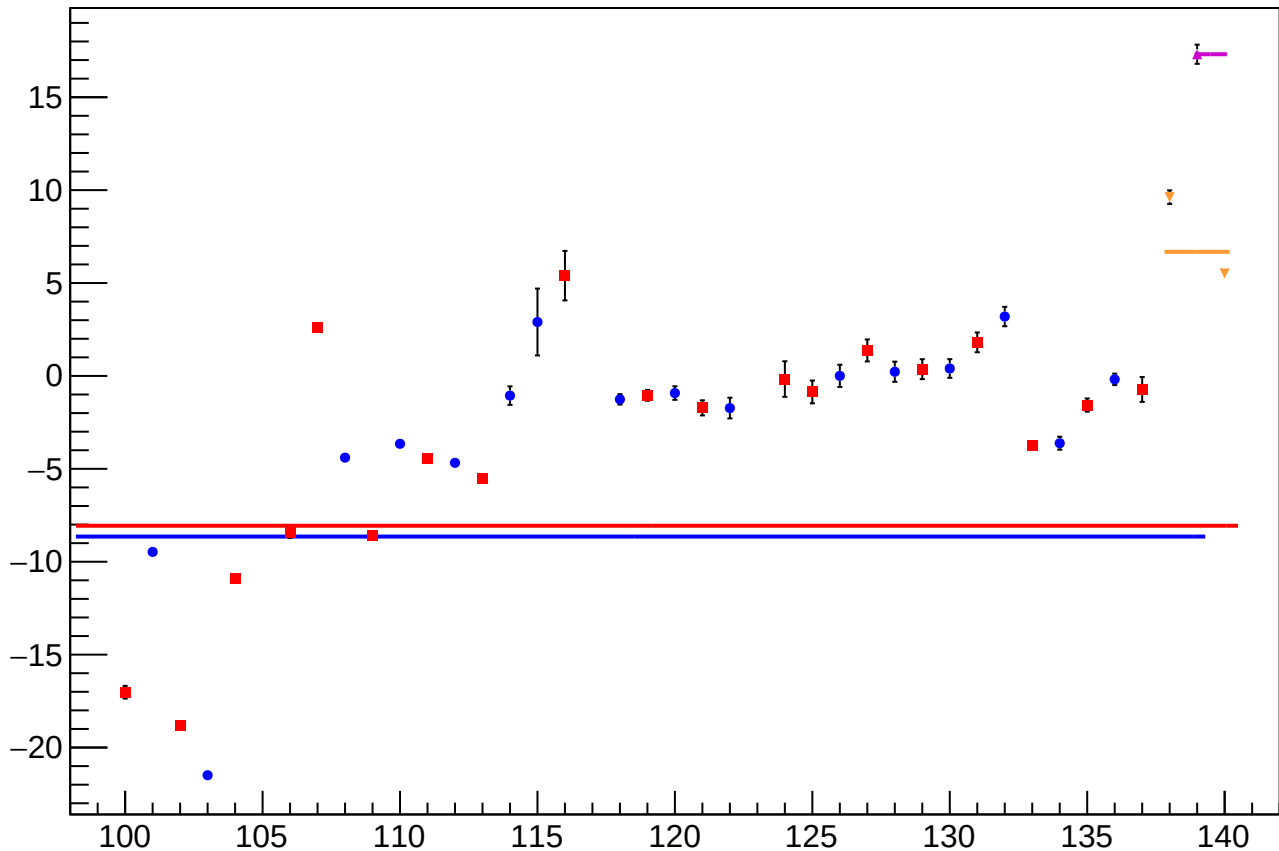
Left In: -4.125 ± 0.281 χ^2/NDF : 0.0/0

+ sign -1.871 ± 0.053 χ^2/NDF : 2651.7/17

All: -1.377 ± 0.036 χ^2/NDF : 4336.3/37

- sign -0.931 ± 0.050 χ^2/NDF : 1518.2/19

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF : 13827.6/15

Left Out: 6.680+/-0.194 χ^2/NDF : 91.3/1

Right Out: -8.063+/-0.058 χ^2/NDF : 14427.9/18

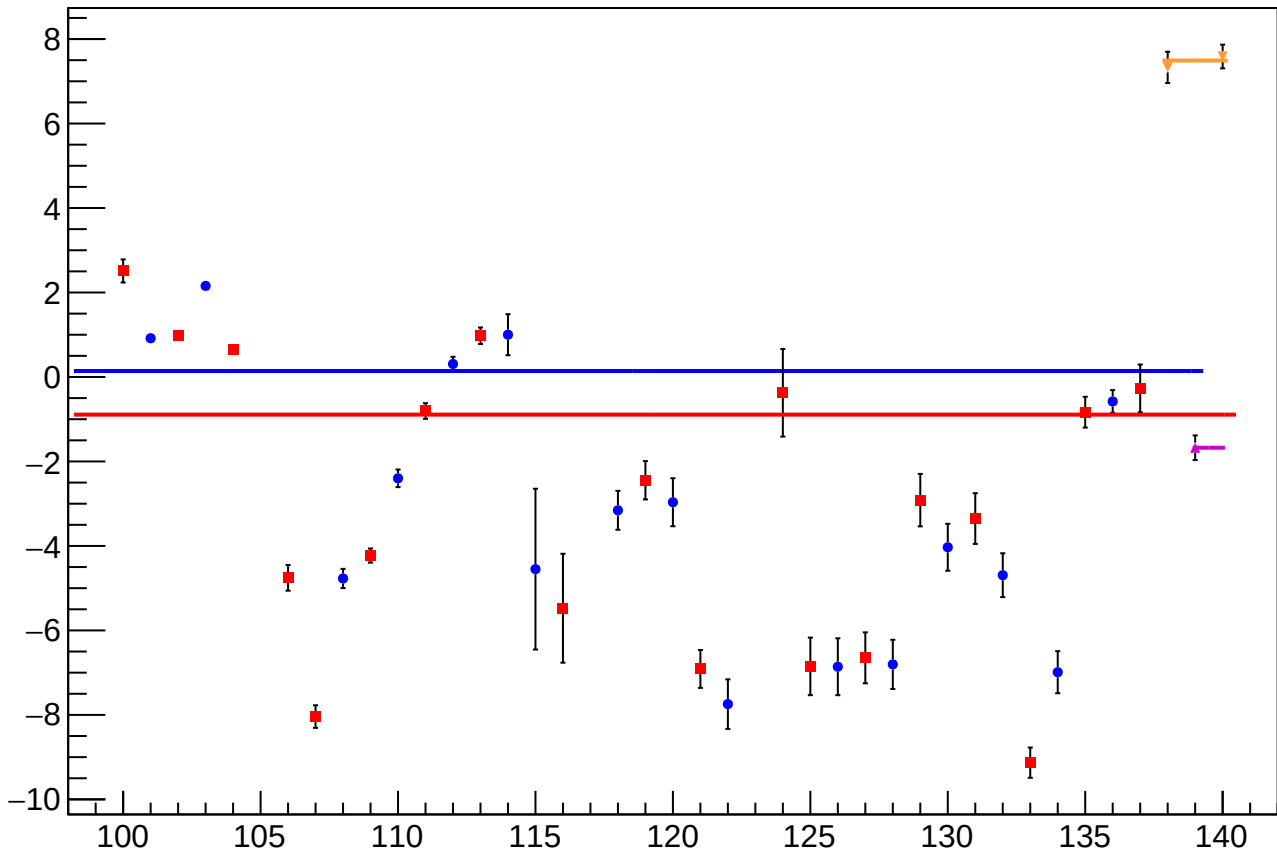
Left In: 17.313+/-0.515 χ^2/NDF : 0.0/0

+ sign -7.430+/-0.055 χ^2/NDF : 19661.8/17

All: -7.583+/-0.039 χ^2/NDF : 36502.2/37

- sign -7.751+/-0.057 χ^2/NDF : 16823.9/19

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141 $\pm$ 0.053 χ^2 /NDF: 1959.8/15

Left Out: 7.493 $\pm$ 0.224 χ^2 /NDF: 0.3/1

Right Out: -0.891 $\pm$ 0.054 χ^2 /NDF: 2985.7/18

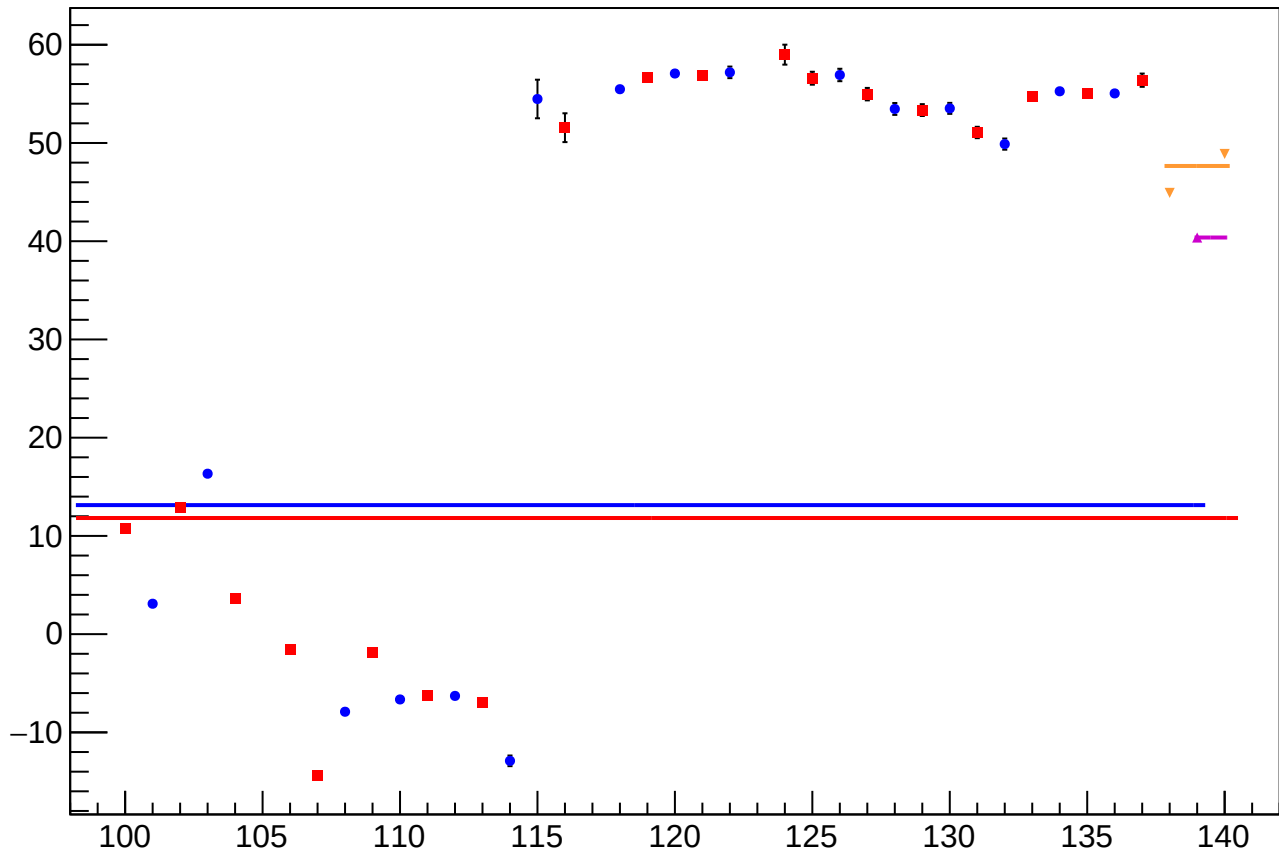
Left In: -1.675 $\pm$ 0.292 χ^2 /NDF: 0.0/0

+ sign 0.532 $\pm$ 0.052 χ^2 /NDF: 2983.7/17

All: -0.176 $\pm$ 0.037 χ^2 /NDF: 6362.4/37

- sign -0.917 $\pm$ 0.053 χ^2 /NDF: 2992.7/19

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136 $\pm$ 0.068 χ^2 /NDF: 108574.4/15

Left Out: 47.659 $\pm$ 0.229 χ^2 /NDF: 64.0/1

Right Out: 11.822 $\pm$ 0.068 χ^2 /NDF: 118168.5/18

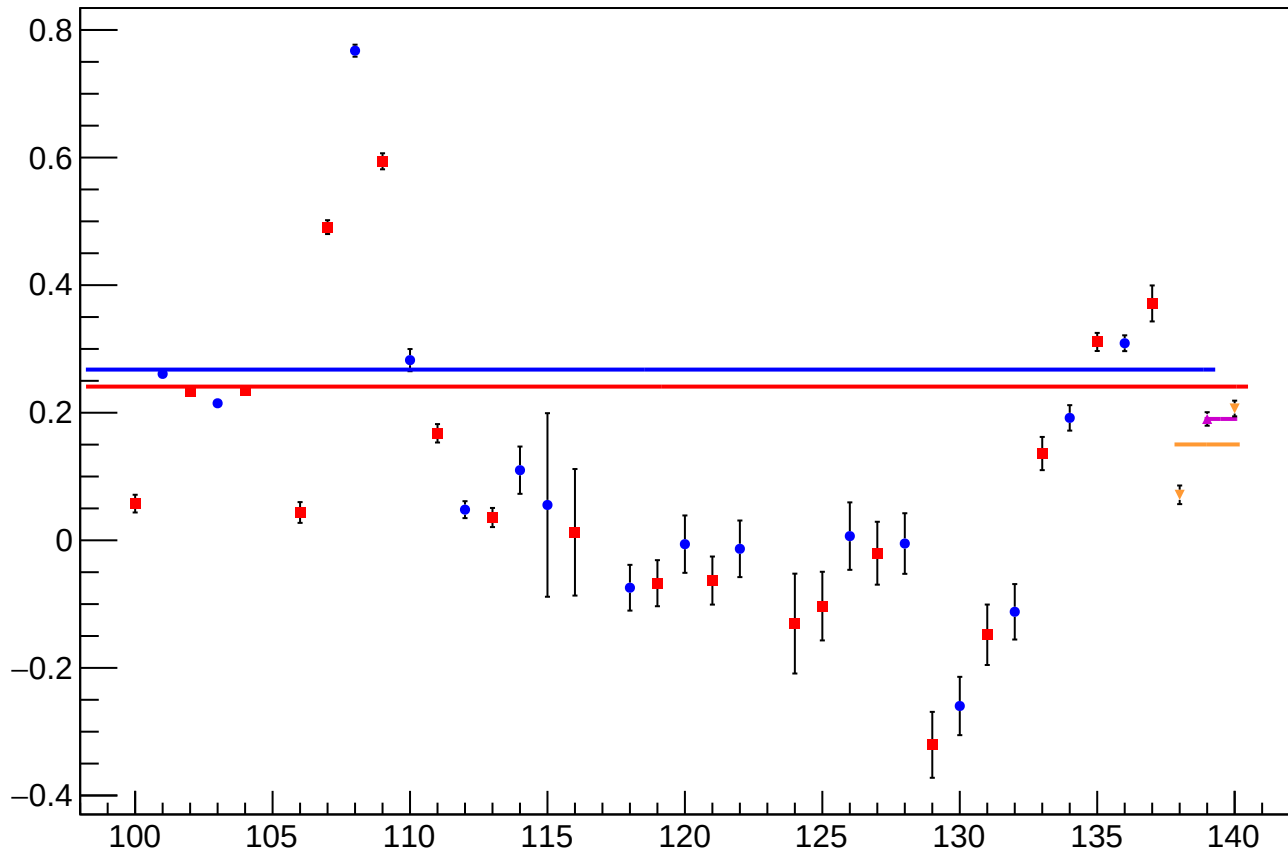
Left In: 40.376 $\pm$ 0.495 χ^2 /NDF: 0.0/0

+ sign 15.934 $\pm$ 0.065 χ^2 /NDF: 129562.9/17

All: 14.198 $\pm$ 0.047 χ^2 /NDF: 252465.3/37

- sign 12.349 $\pm$ 0.067 χ^2 /NDF: 121435.4/19

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268 ± 0.003 χ^2/NDF : 3720.4/15

Left Out: 0.150 ± 0.009 χ^2/NDF : 50.2/1

Right Out: 0.241 ± 0.003 χ^2/NDF : 2339.2/18

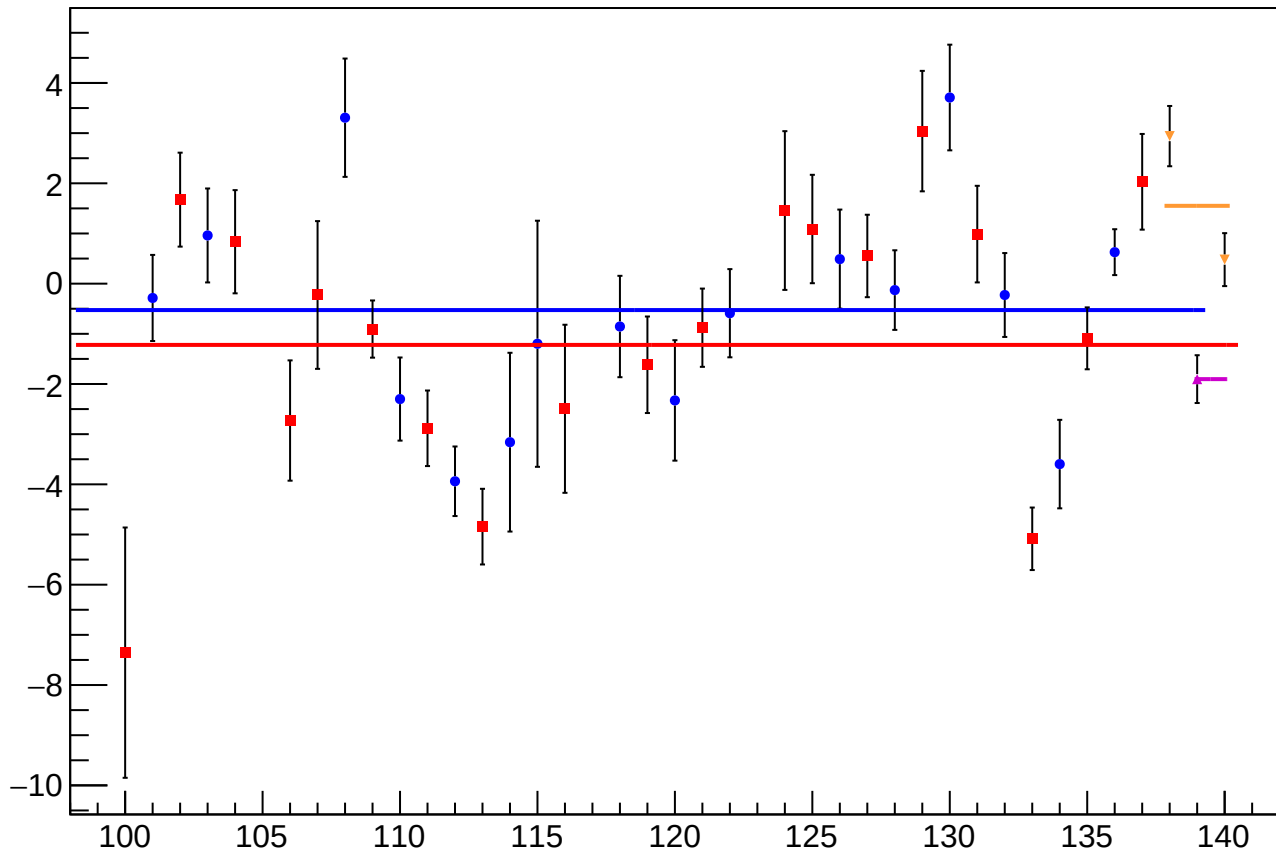
Left In: 0.190 ± 0.011 χ^2/NDF : 0.0/0

+ sign 0.258 ± 0.003 χ^2/NDF : 3913.3/17

All: 0.248 ± 0.002 χ^2/NDF : 6303.1/37

- sign 0.238 ± 0.003 χ^2/NDF : 2360.6/19

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527 ± 0.217 χ^2/NDF : 82.7/15

Left Out: 1.551 ± 0.396 χ^2/NDF : 9.5/1

Right Out: -1.221 ± 0.205 χ^2/NDF : 130.9/18

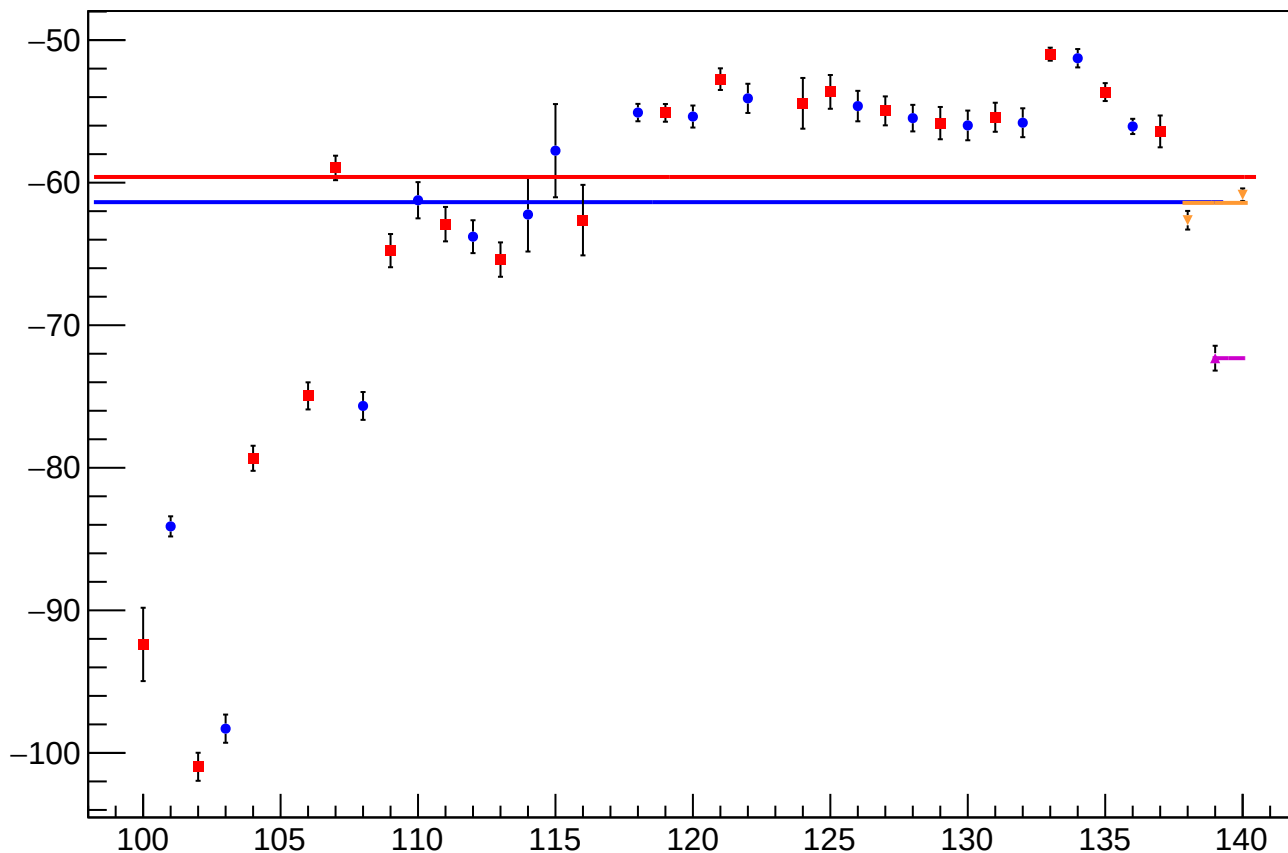
Left In: -1.903 ± 0.476 χ^2/NDF : 0.0/0

+ sign -0.047 ± 0.190 χ^2/NDF : 113.3/17

All: -0.695 ± 0.134 χ^2/NDF : 268.9/37

- sign -1.327 ± 0.188 χ^2/NDF : 132.7/19

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367±0.219 χ^2/NDF : 3351.2/15

Left Out: -61.418±0.369 χ^2/NDF : 5.1/1

Right Out: -59.601±0.207 χ^2/NDF : 3421.3/18

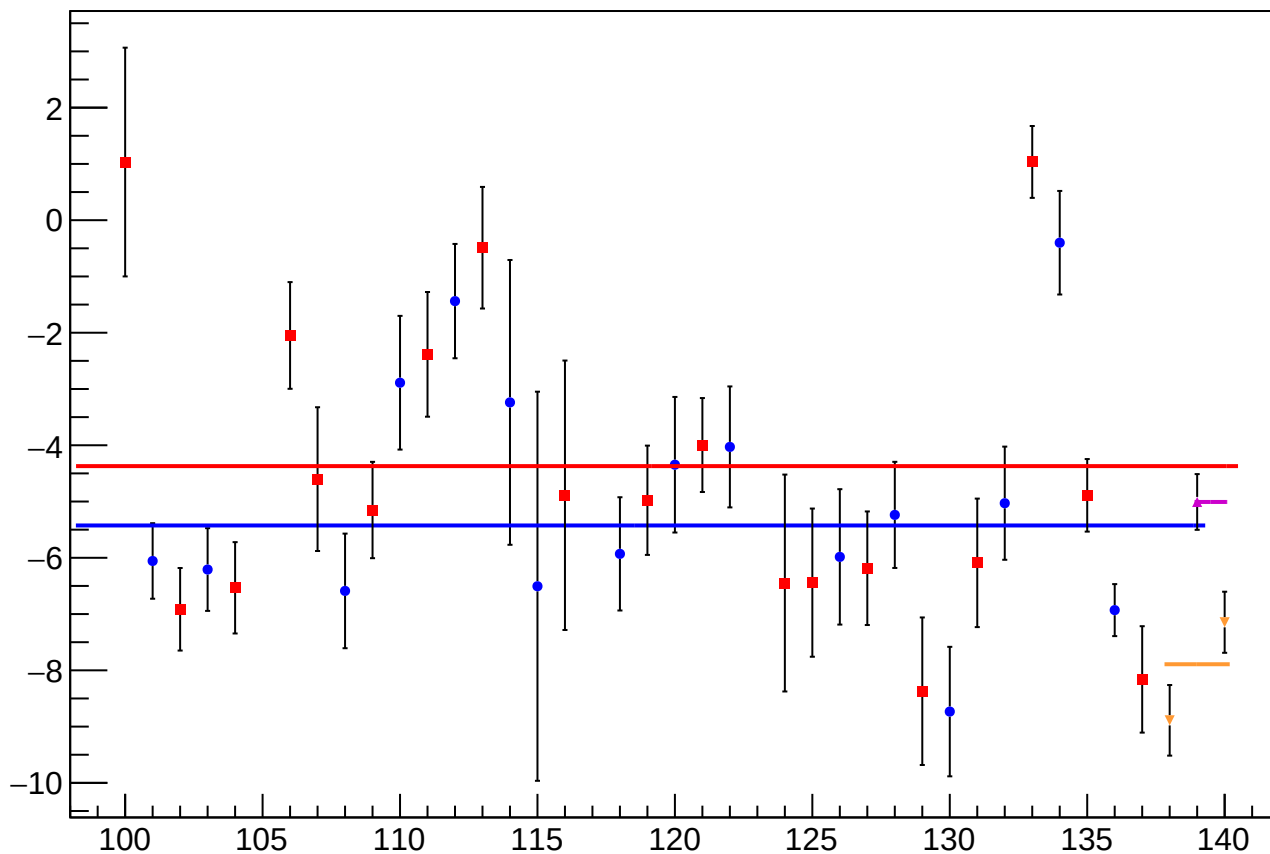
Left In: -72.311±0.871 χ^2/NDF : 0.0/0

+ sign -61.380±0.188 χ^2/NDF : 3356.3/17

All: -60.865±0.137 χ^2/NDF : 6995.2/37

- sign -60.278±0.201 χ^2/NDF : 3622.8/19

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425 ± 0.230 $\chi^2/\text{NDF}: 76.0/15$

Left Out: -7.892 ± 0.411 $\chi^2/\text{NDF}: 4.4/1$

Right Out: -4.371 ± 0.223 $\chi^2/\text{NDF}: 156.6/18$

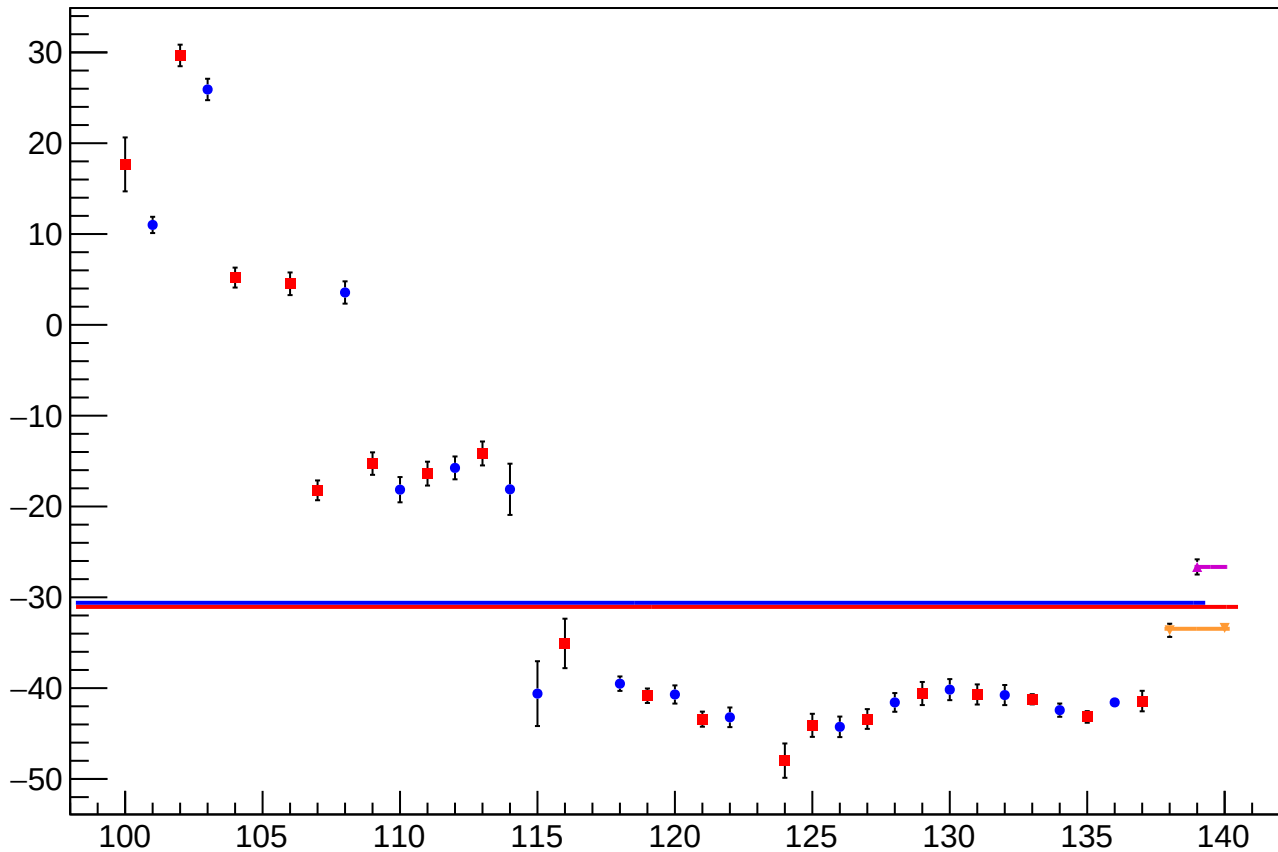
Left In: -5.008 ± 0.495 $\chi^2/\text{NDF}: 0.0/0$

+ sign -6.014 ± 0.201 $\chi^2/\text{NDF}: 107.8/17$

All: -5.255 ± 0.143 $\chi^2/\text{NDF}: 294.8/37$

- sign -4.478 ± 0.203 $\chi^2/\text{NDF}: 158.0/19$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605 ± 0.249 χ^2/NDF : 6938.0/15

Left Out: -33.465 ± 0.431 χ^2/NDF : 0.1/1

Right Out: -31.056 ± 0.238 χ^2/NDF : 6976.4/18

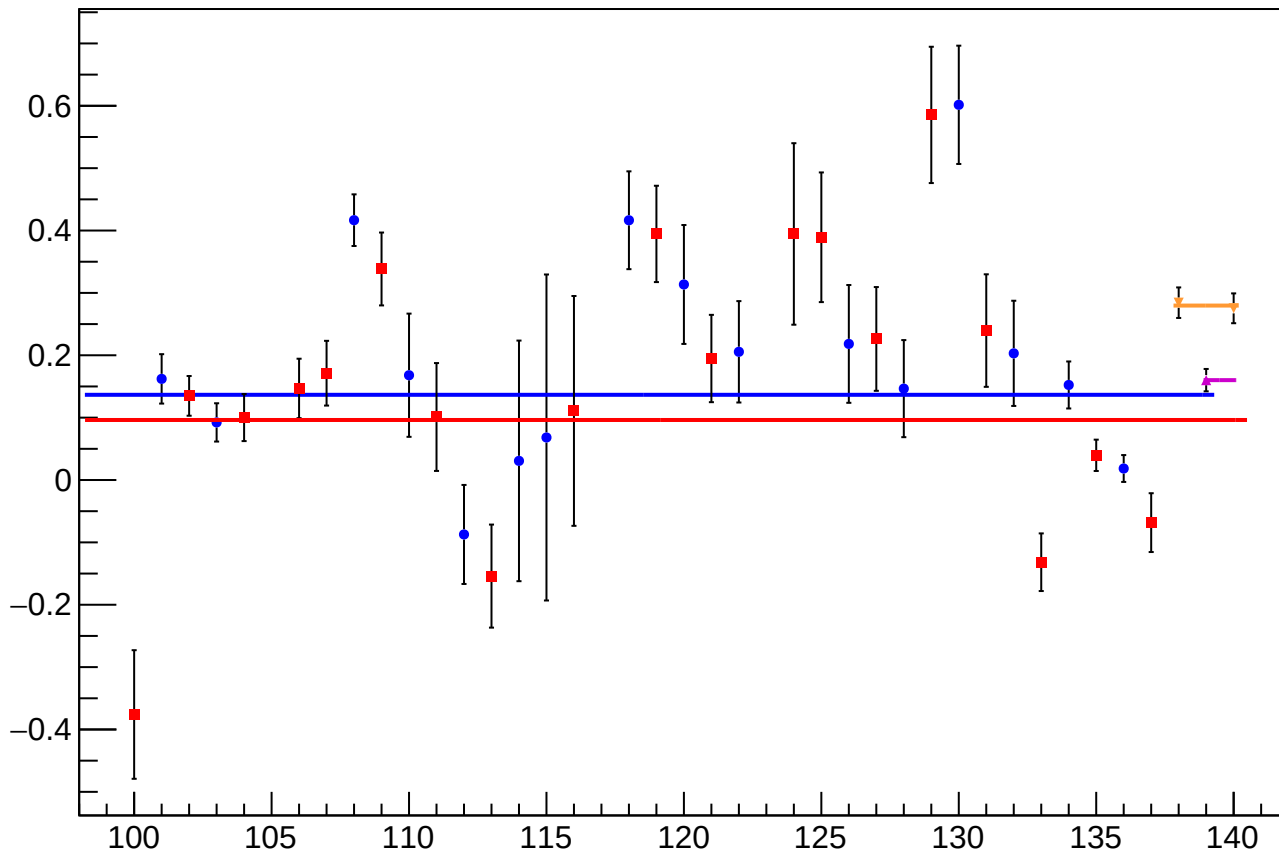
Left In: -26.655 ± 0.837 χ^2/NDF : 0.0/0

+ sign -31.323 ± 0.216 χ^2/NDF : 6971.1/17

All: -31.042 ± 0.157 χ^2/NDF : 13976.8/37

- sign -30.727 ± 0.229 χ^2/NDF : 7002.0/19

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137 ± 0.013 χ^2/NDF : 129.2/15

Left Out: 0.280 ± 0.017 χ^2/NDF : 0.1/1

Right Out: 0.096 ± 0.012 χ^2/NDF : 147.7/18

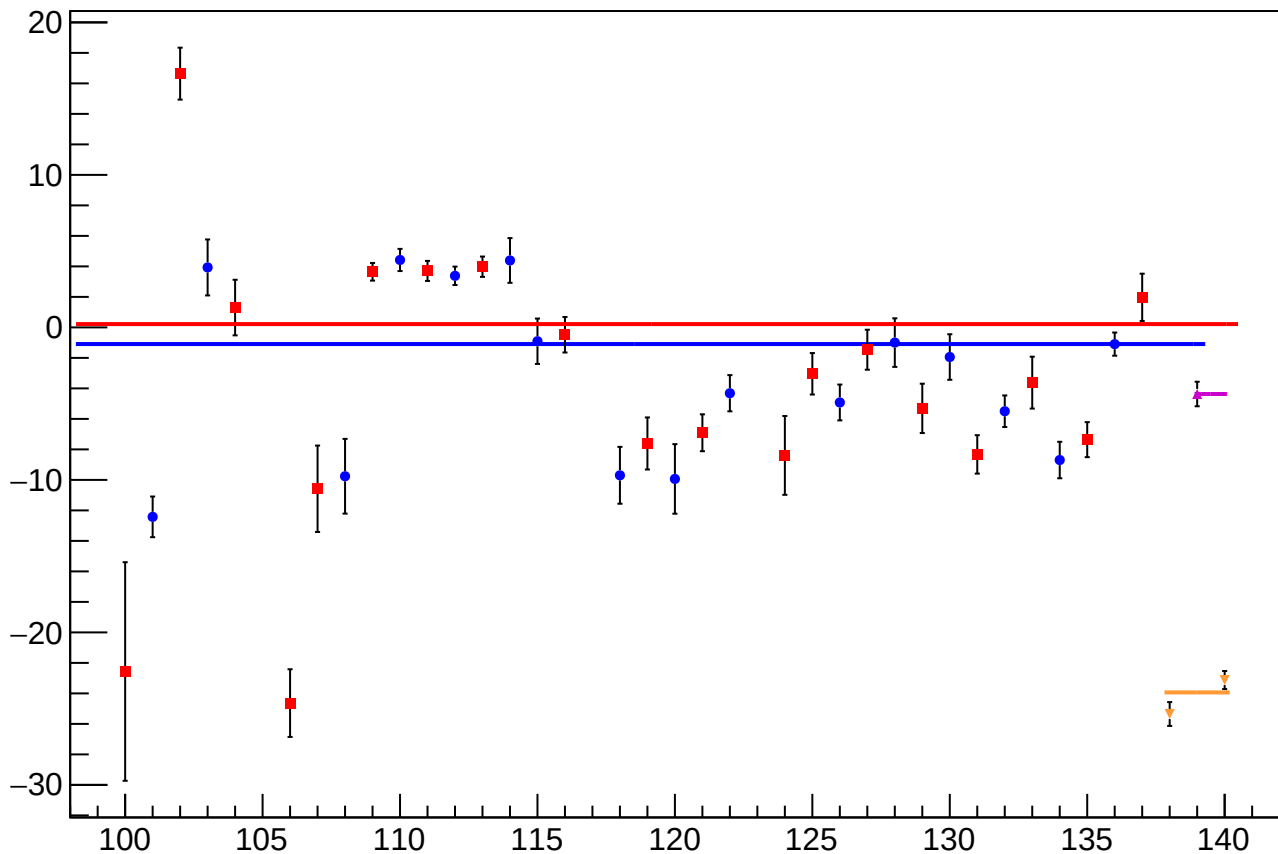
Left In: 0.160 ± 0.018 χ^2/NDF : 0.0/0

+ sign 0.186 ± 0.010 χ^2/NDF : 174.9/17

All: 0.152 ± 0.007 χ^2/NDF : 354.9/37

- sign 0.117 ± 0.010 χ^2/NDF : 156.3/19

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092 ± 0.281 χ^2/NDF : 332.0/15

Left Out: -23.937 ± 0.472 χ^2/NDF : 5.2/1

Right Out: 0.216 ± 0.266 χ^2/NDF : 520.8/18

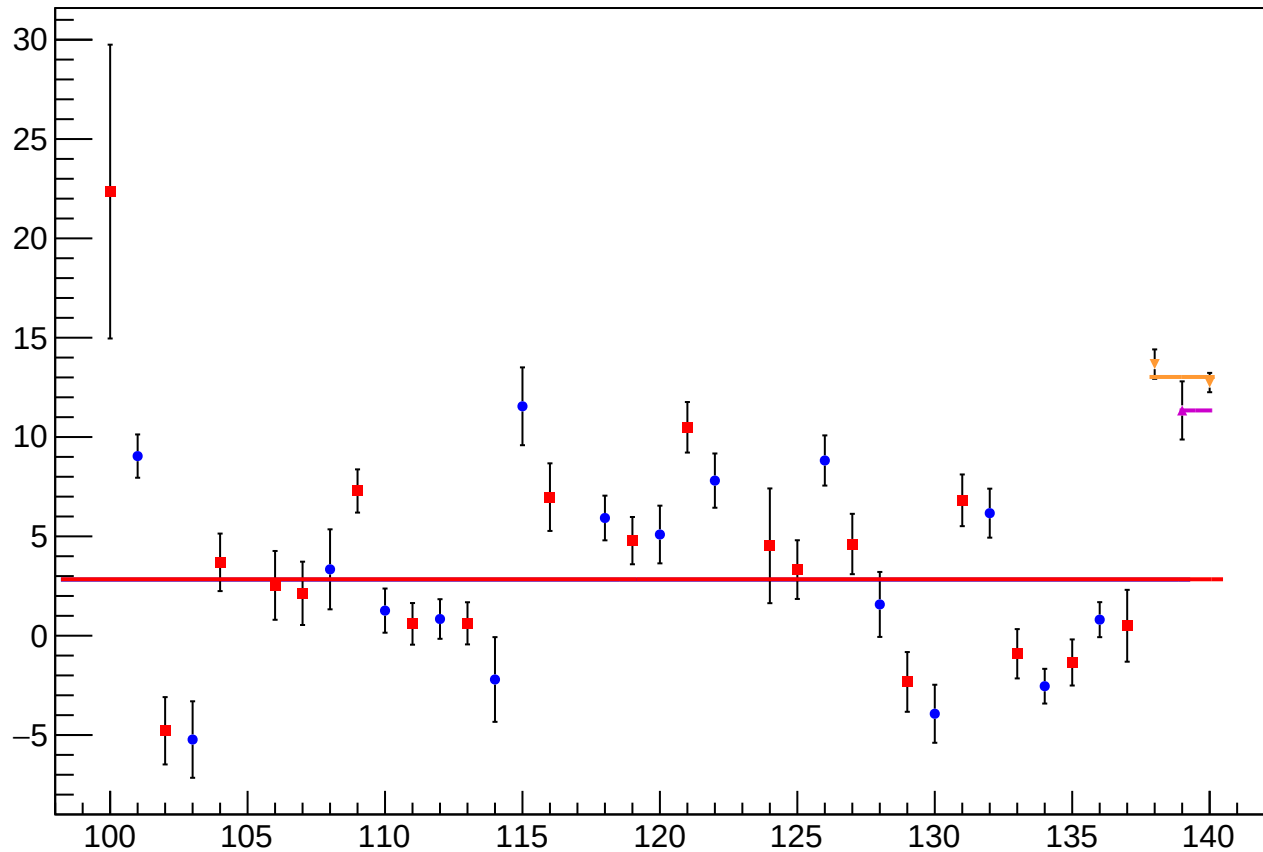
Left In: -4.368 ± 0.804 χ^2/NDF : 0.0/0

+ sign -7.060 ± 0.241 χ^2/NDF : 2069.0/17

All: -3.808 ± 0.174 χ^2/NDF : 3000.7/37

- sign -0.236 ± 0.253 χ^2/NDF : 550.1/19

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823 ± 0.313 χ^2/NDF : 199.6/15

Left Out: 13.023 ± 0.406 χ^2/NDF : 1.1/1

Right Out: 2.840 ± 0.322 χ^2/NDF : 145.0/18

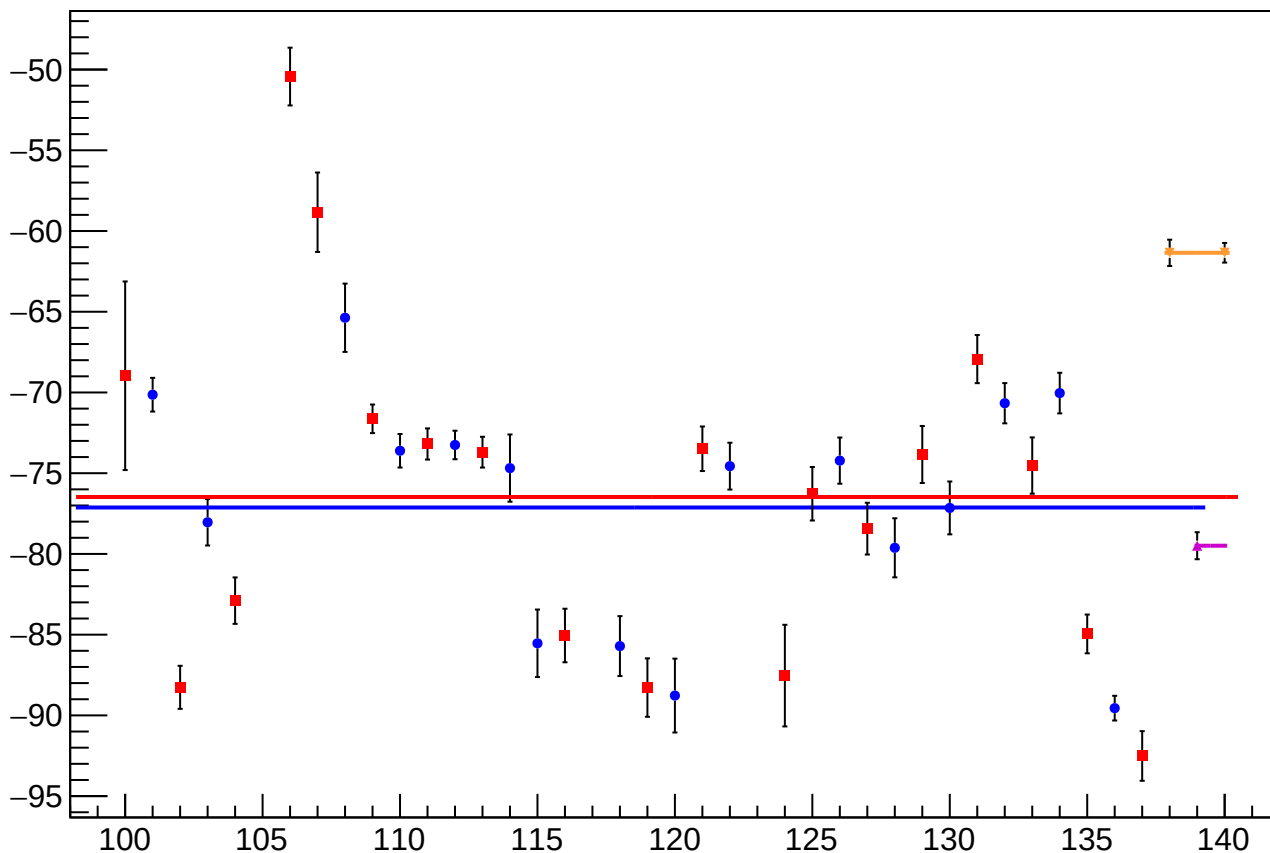
Left In: 11.339 ± 1.464 χ^2/NDF : 0.0/0

+ sign 6.627 ± 0.248 χ^2/NDF : 595.6/17

All: 5.325 ± 0.195 χ^2/NDF : 844.4/37

- sign 3.233 ± 0.315 χ^2/NDF : 177.1/19

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123 $\pm$ 0.326 χ^2/NDF : 503.3/15

Left Out: -61.348 $\pm$ 0.488 χ^2/NDF : 0.0/1

Right Out: -76.475 $\pm$ 0.328 χ^2/NDF : 695.8/18

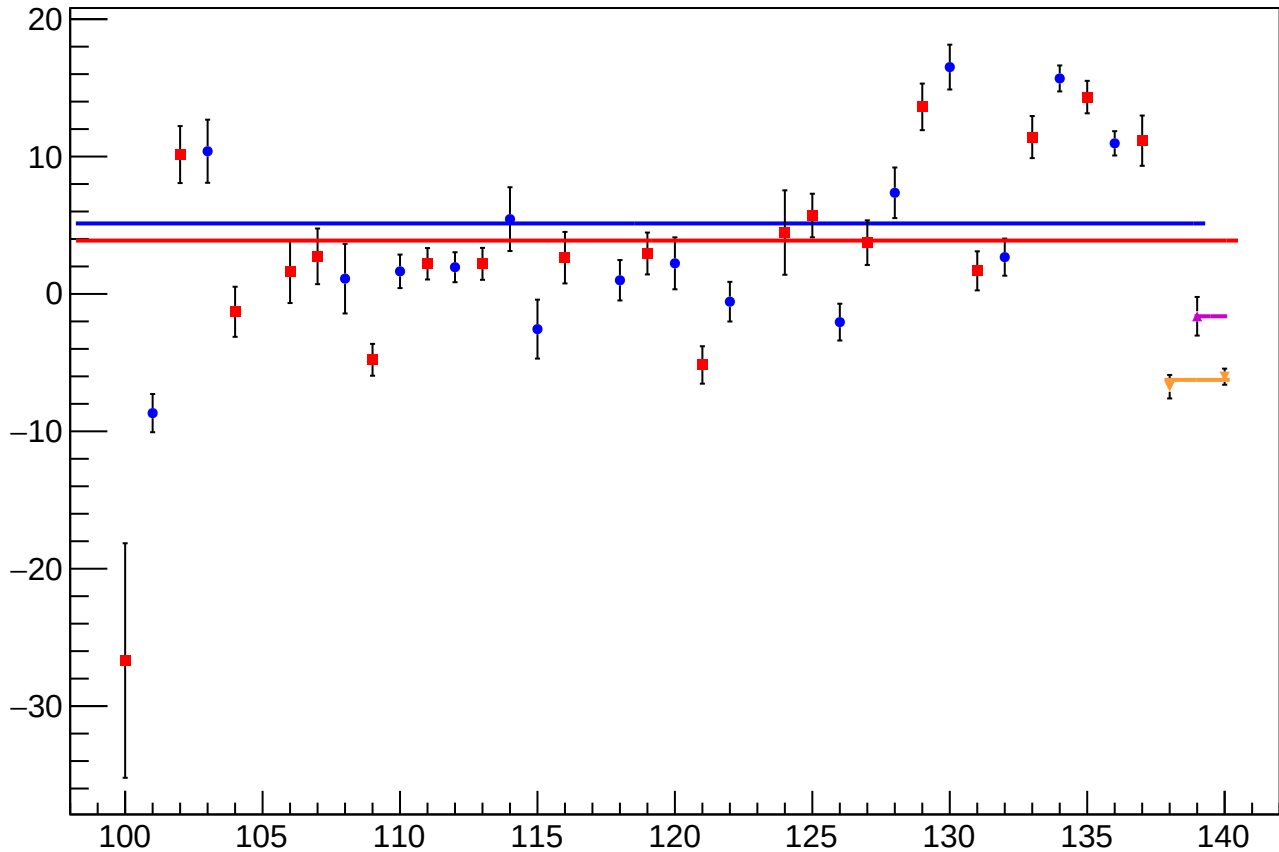
Left In: -79.492 $\pm$ 0.837 χ^2/NDF : 0.0/0

+ sign -72.244 $\pm$ 0.271 χ^2/NDF : 1226.2/17

All: -74.284 $\pm$ 0.203 χ^2/NDF : 2061.8/37

- sign -76.877 $\pm$ 0.306 χ^2/NDF : 707.1/19

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132 $\pm$ 0.350 χ^2 /NDF: 412.3/15

Left Out: -6.256 $\pm$ 0.484 χ^2 /NDF: 0.5/1

Right Out: 3.885 $\pm$ 0.361 χ^2 /NDF: 291.5/18

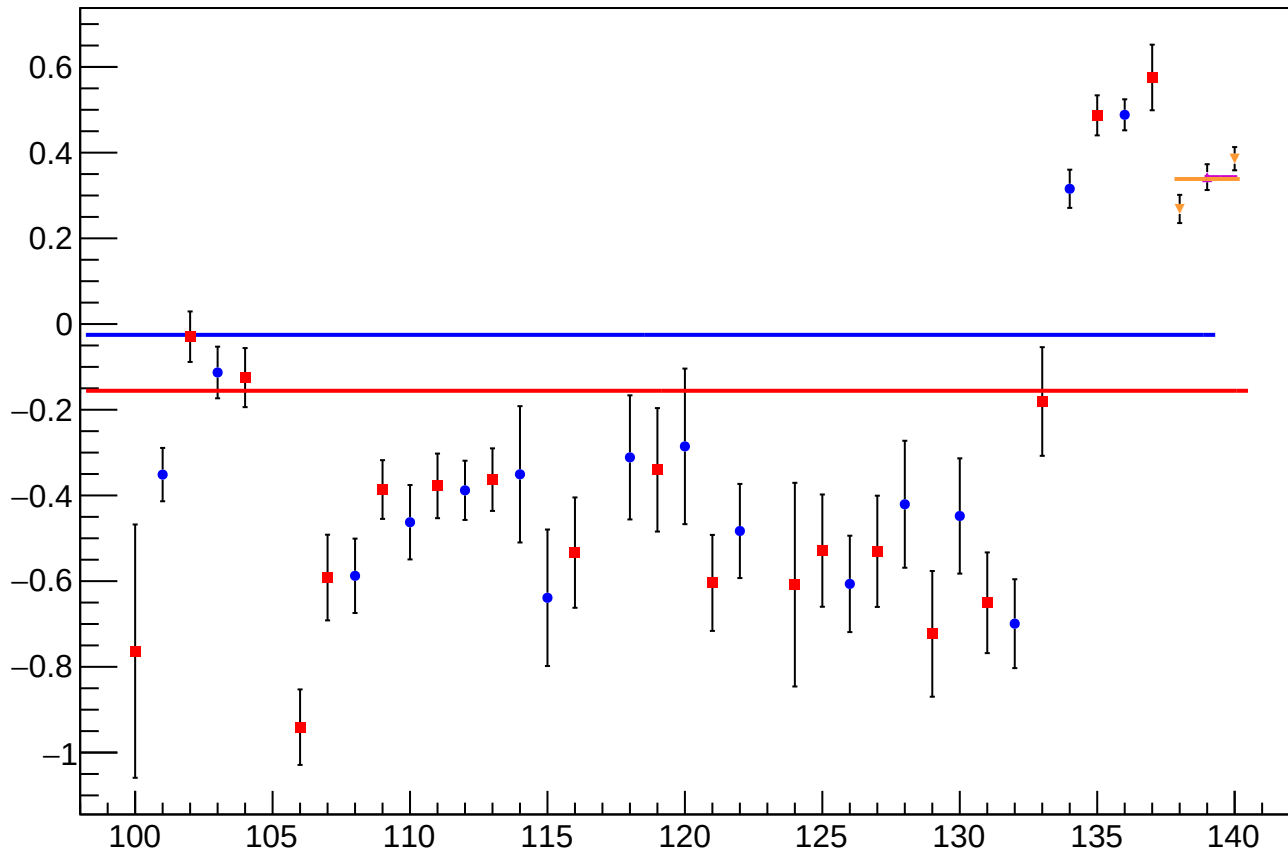
Left In: -1.625 $\pm$ 1.405 χ^2 /NDF: 0.0/0

+ sign 1.223 $\pm$ 0.283 χ^2 /NDF: 776.9/17

All: 2.141 $\pm$ 0.220 χ^2 /NDF: 1109.3/37

- sign 3.543 $\pm$ 0.350 χ^2 /NDF: 305.9/19

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025 $\pm$ 0.019 χ^2 /NDF: 512.5/15

Left Out: 0.339 $\pm$ 0.021 χ^2 /NDF: 7.6/1

Right Out: -0.156 $\pm$ 0.020 χ^2 /NDF: 494.9/18

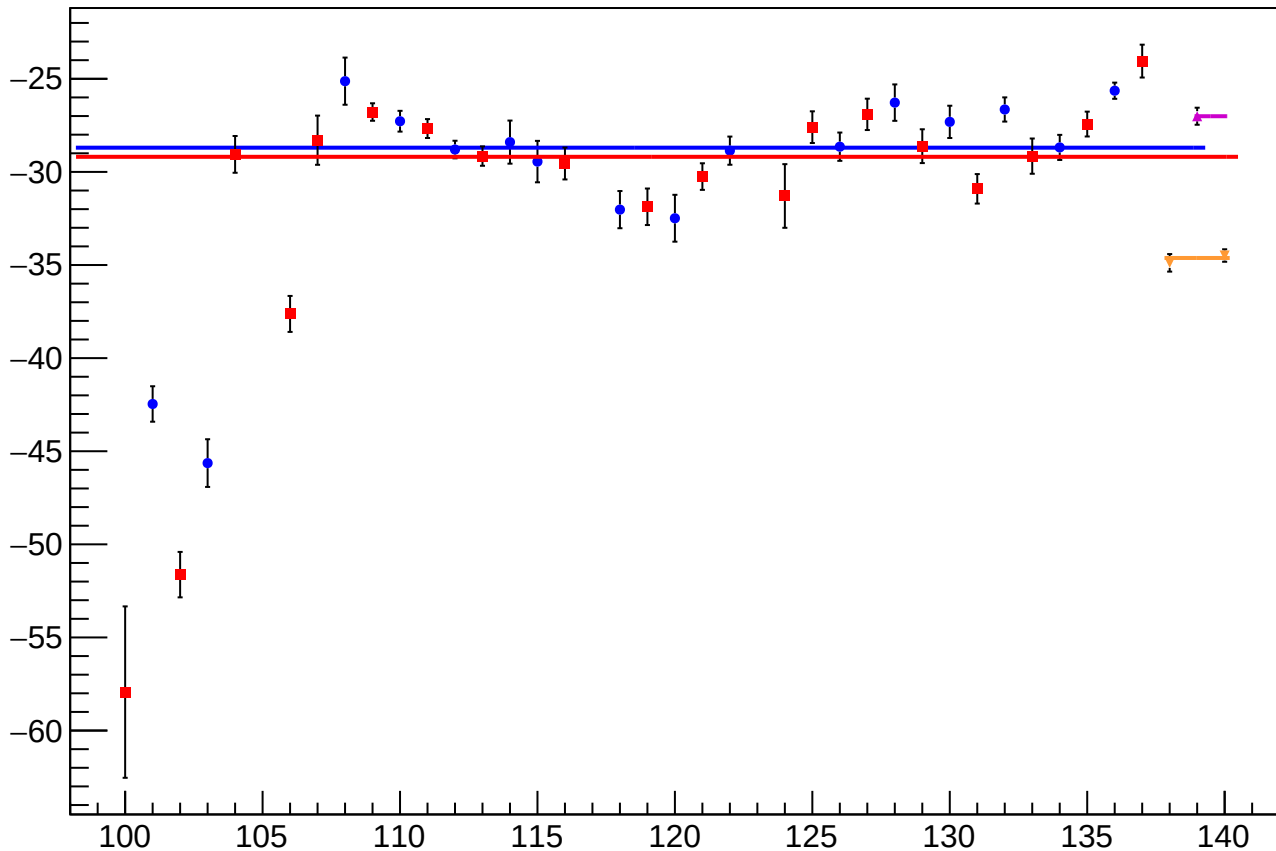
Left In: 0.343 $\pm$ 0.030 χ^2 /NDF: 0.0/0

+ sign 0.139 $\pm$ 0.014 χ^2 /NDF: 686.2/17

All: 0.081 $\pm$ 0.011 χ^2 /NDF: 1410.7/37

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 683.8/19

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698 ± 0.186 χ^2/NDF : 487.3/15

Left Out: -34.622 ± 0.273 χ^2/NDF : 0.5/1

Right Out: -29.189 ± 0.181 χ^2/NDF : 557.3/18

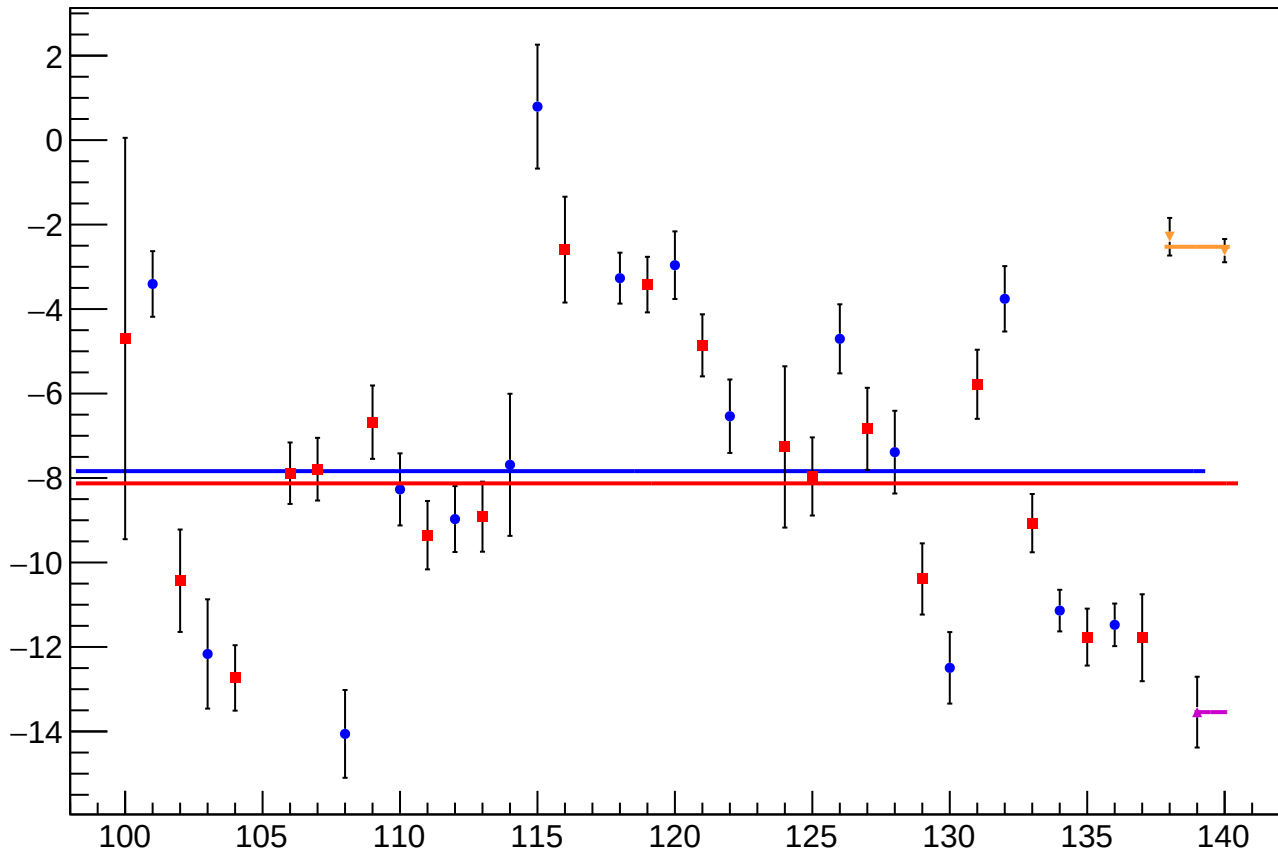
Left In: -27.010 ± 0.458 χ^2/NDF : 0.0/0

+ sign -30.575 ± 0.154 χ^2/NDF : 809.4/17

All: -29.811 ± 0.114 χ^2/NDF : 1440.7/37

- sign -28.894 ± 0.168 χ^2/NDF : 576.9/19

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837 ± 0.195 χ^2/NDF : 383.2/15

Left Out: -2.526 ± 0.234 χ^2/NDF : 0.4/1

Right Out: -8.127 ± 0.197 χ^2/NDF : 197.3/18

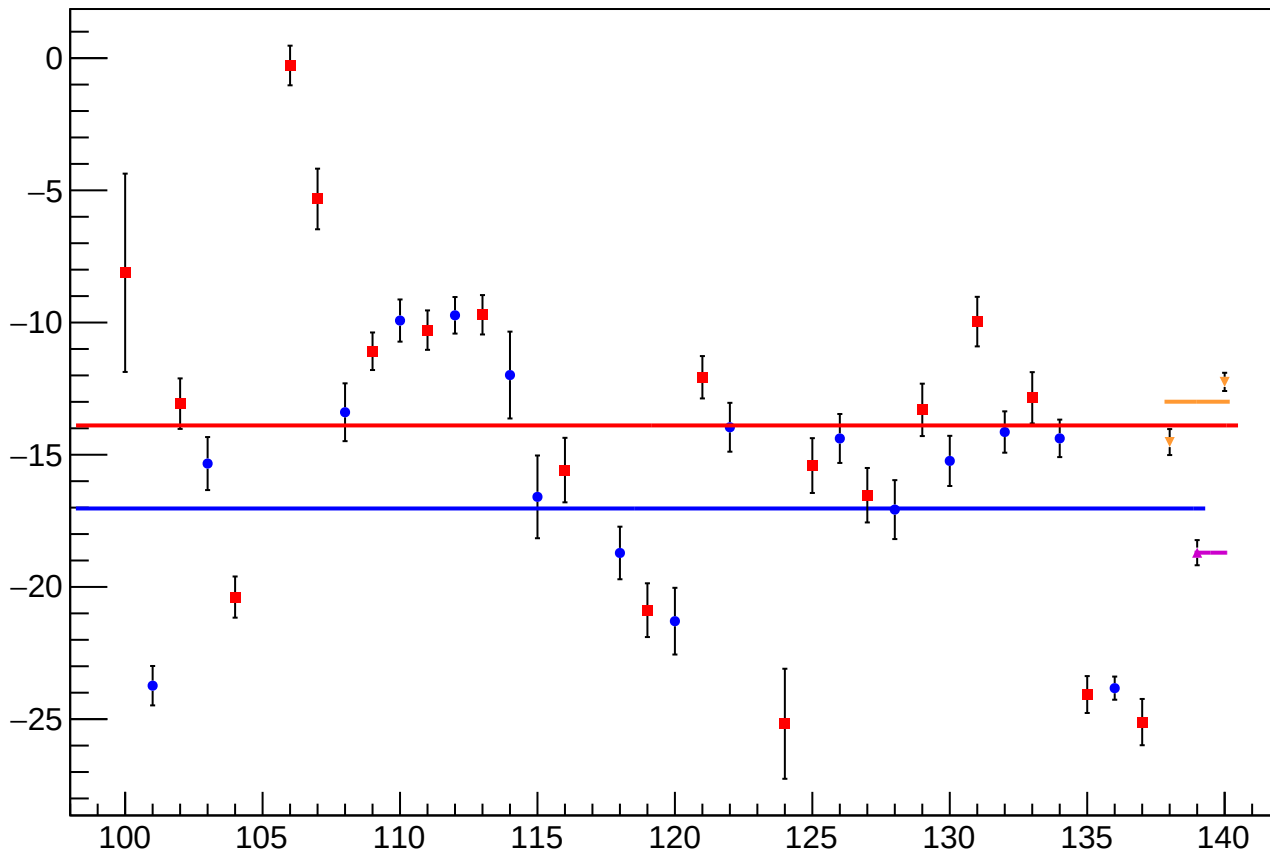
Left In: -13.543 ± 0.838 χ^2/NDF : 0.0/0

+ sign -5.660 ± 0.150 χ^2/NDF : 687.8/17

All: -6.704 ± 0.118 χ^2/NDF : 1052.6/37

- sign -8.409 ± 0.191 χ^2/NDF : 236.9/19

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033 ± 0.209 χ^2/NDF : 601.2/15

Left Out: -12.994 ± 0.282 χ^2/NDF : 14.4/1

Right Out: -13.892 ± 0.209 χ^2/NDF : 1017.4/18

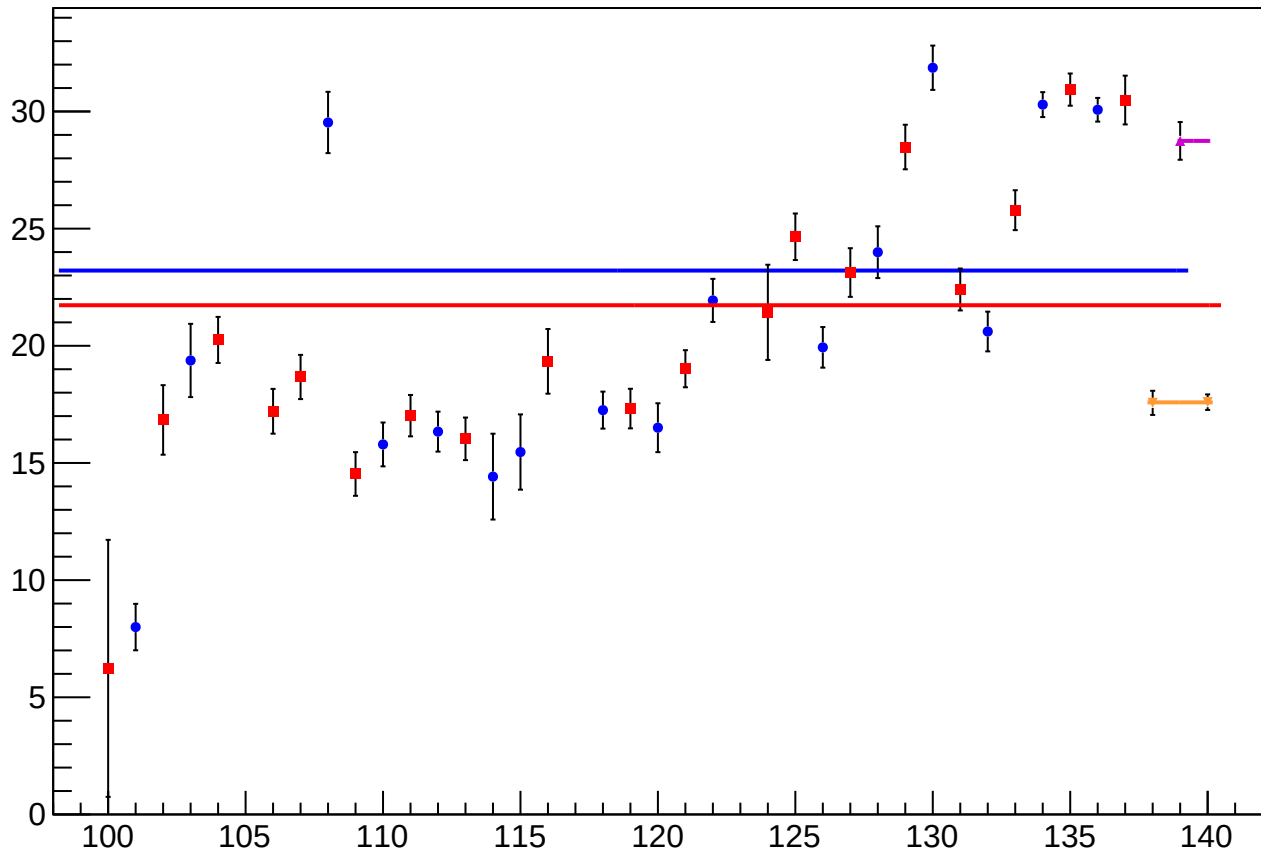
Left In: -18.704 ± 0.476 χ^2/NDF : 0.0/0

+ sign -15.598 ± 0.168 χ^2/NDF : 747.7/17

All: -15.195 ± 0.126 χ^2/NDF : 1864.1/37

- sign -14.672 ± 0.192 χ^2/NDF : 1103.1/19

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211 $\pm$ 0.218 χ^2 /NDF: 1008.2/15

Left Out: 17.586 $\pm$ 0.279 χ^2 /NDF: 0.0/1

Right Out: 21.731 $\pm$ 0.224 χ^2 /NDF: 558.2/18

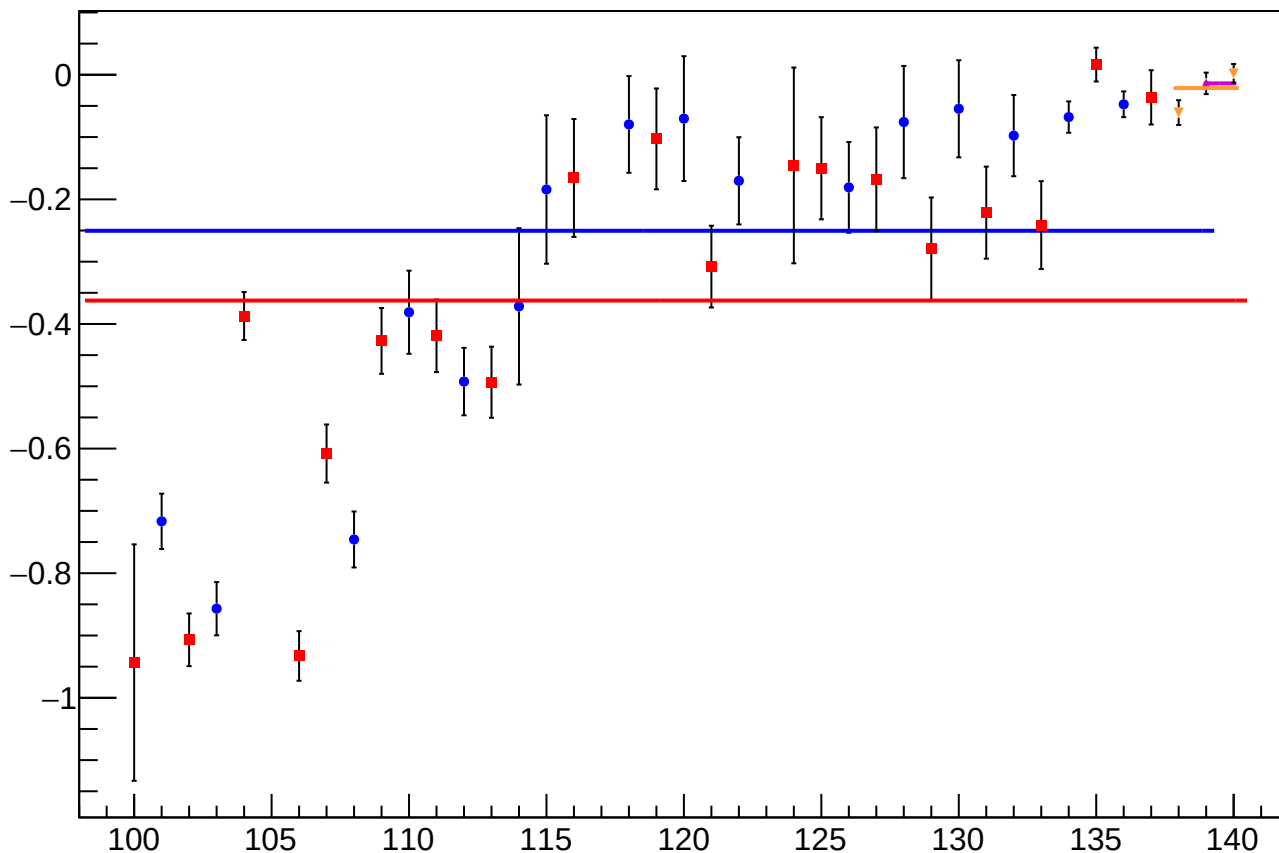
Left In: 28.744 $\pm$ 0.805 χ^2 /NDF: 0.0/0

+ sign 21.075 $\pm$ 0.172 χ^2 /NDF: 1260.7/17

All: 21.525 $\pm$ 0.134 χ^2 /NDF: 1907.1/37

- sign 22.237 $\pm$ 0.216 χ^2 /NDF: 628.7/19

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250 ± 0.012 χ^2/NDF : 633.5/15

Left Out: -0.021 ± 0.012 χ^2/NDF : 6.3/1

Right Out: -0.362 ± 0.012 χ^2/NDF : 704.3/18

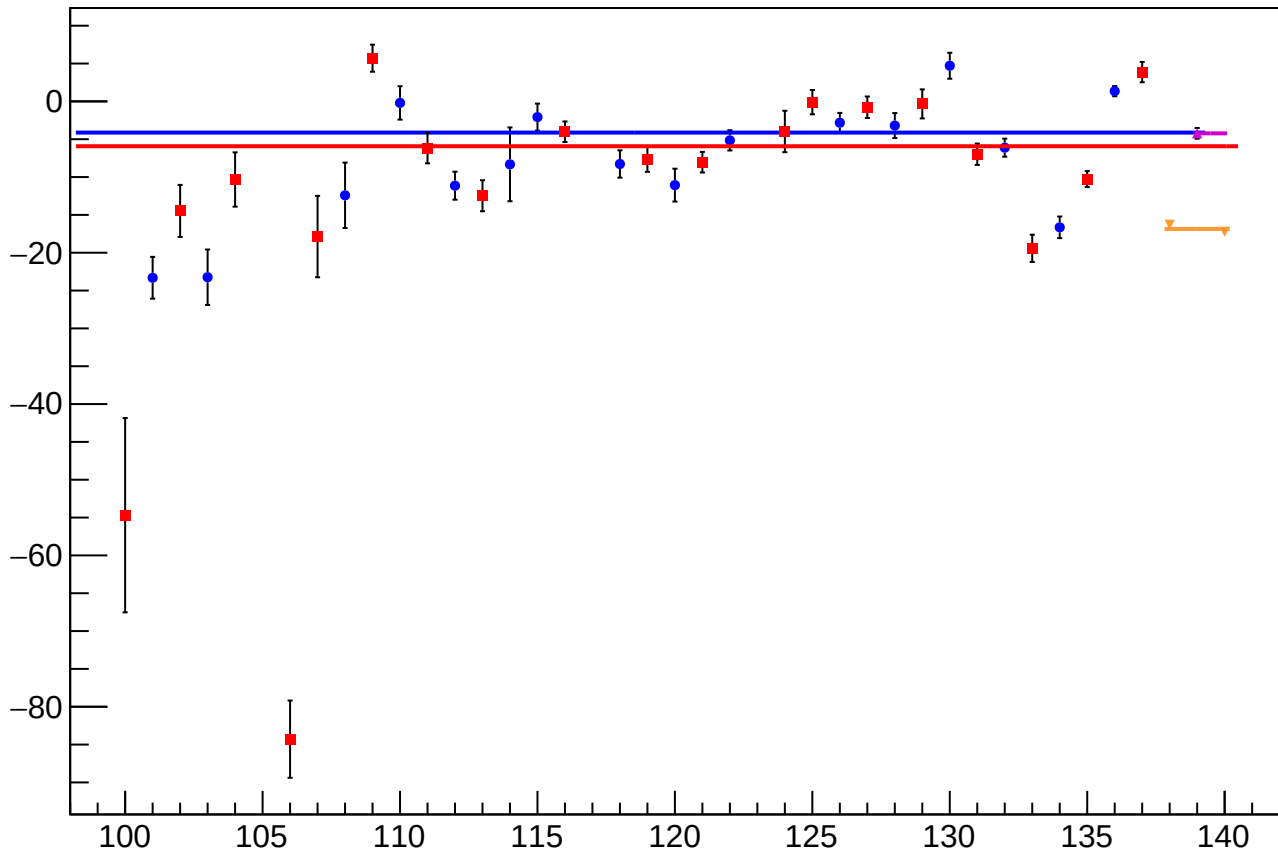
Left In: -0.014 ± 0.017 χ^2/NDF : 0.0/0

+ sign -0.140 ± 0.008 χ^2/NDF : 825.1/17

All: -0.183 ± 0.006 χ^2/NDF : 1862.4/37

- sign -0.244 ± 0.010 χ^2/NDF : 974.4/19

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124 ± 0.382 χ^2/NDF : 287.9/15

Left Out: -16.854 ± 0.428 χ^2/NDF : 1.2/1

Right Out: -5.930 ± 0.408 χ^2/NDF : 482.6/18

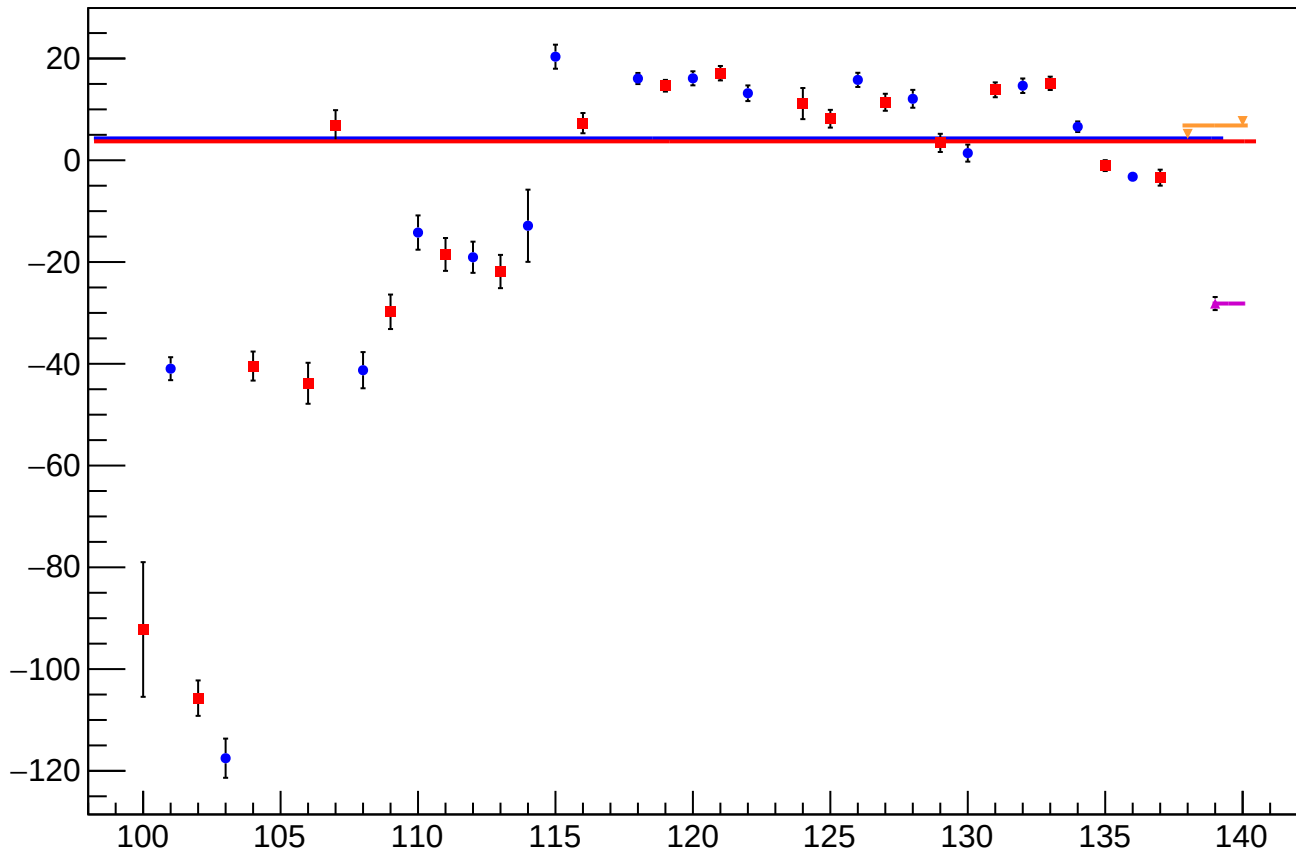
Left In: -4.225 ± 0.709 χ^2/NDF : 0.0/0

+ sign -9.771 ± 0.285 χ^2/NDF : 782.3/17

All: -8.092 ± 0.222 χ^2/NDF : 1357.6/37

- sign -5.506 ± 0.353 χ^2/NDF : 487.0/19

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292 $\pm$ 0.385 χ^2 /NDF: 2169.1/15

Left Out: 6.841 $\pm$ 0.372 χ^2 /NDF:10.3/1

Right Out: 3.717 $\pm$ 0.423 χ^2 /NDF: 2007.2/18

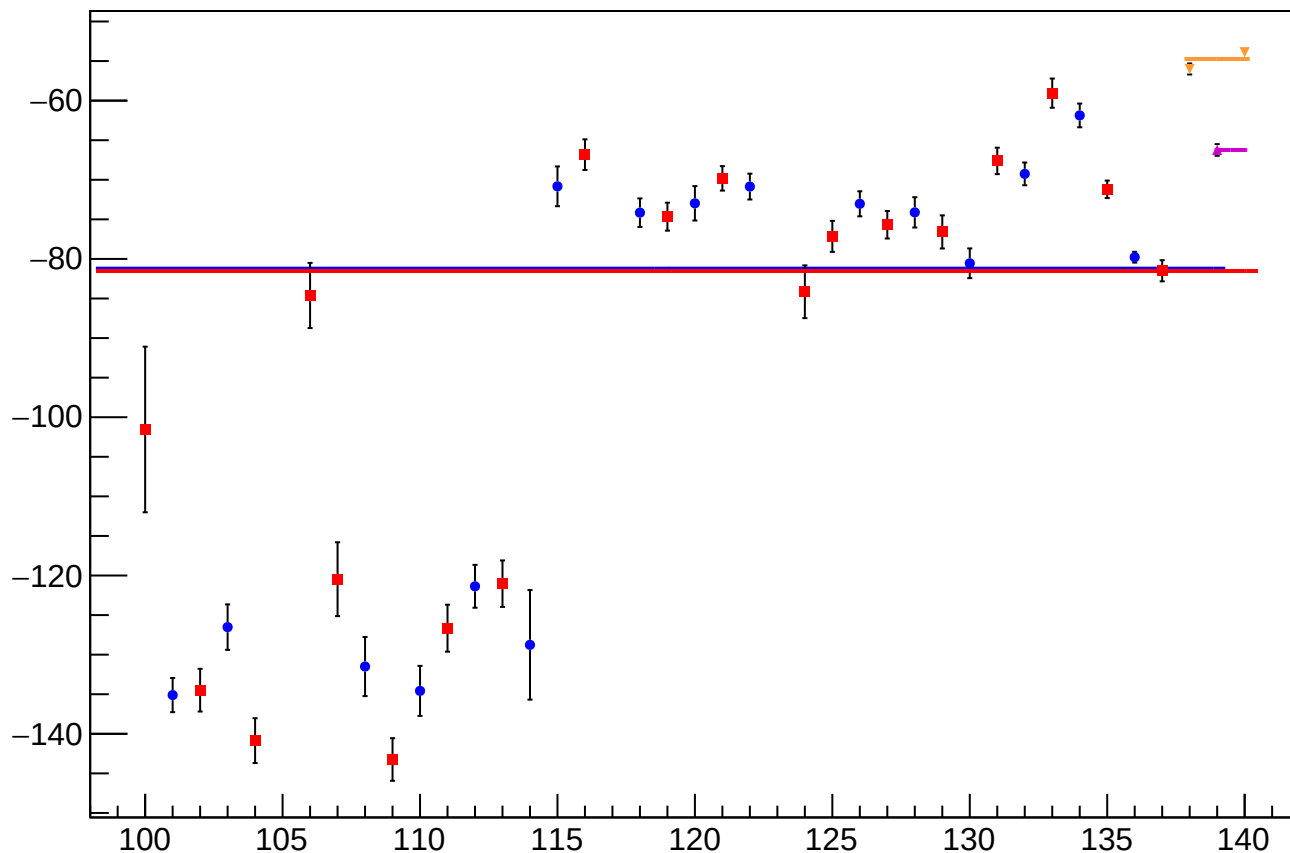
Left In: -28.157 $\pm$ 1.286 χ^2 /NDF:0.0/0

+ sign 5.610 $\pm$ 0.268 χ^2 /NDF: 2202.0/17

All: 4.071 $\pm$ 0.223 χ^2 /NDF: 4871.2/37

- sign 0.611 $\pm$ 0.401 χ^2 /NDF: 2561.8/19

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231 ± 0.417 χ^2/NDF : 1971.1/15

Left Out: -54.733 ± 0.442 χ^2/NDF : 5.5/1

Right Out: -81.523 ± 0.462 χ^2/NDF : 2293.2/18

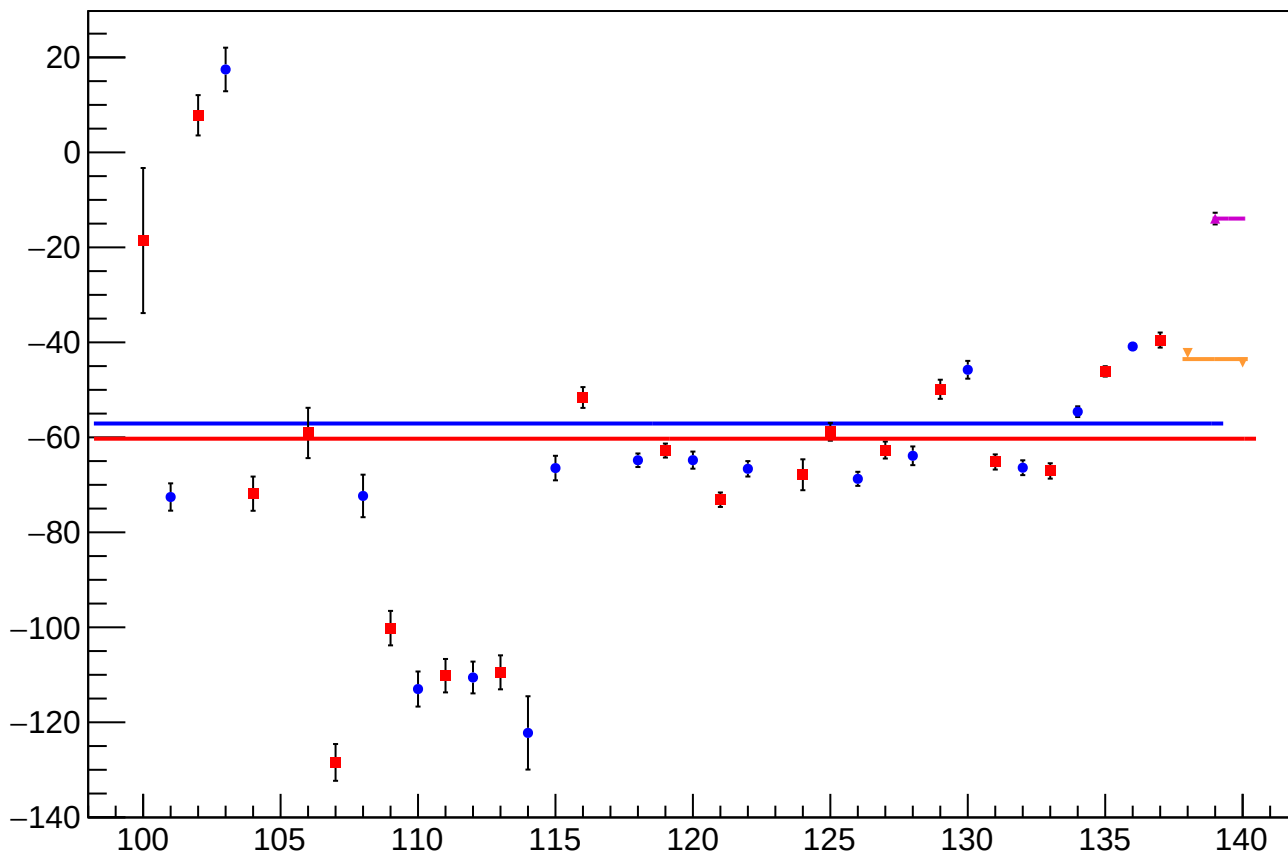
Left In: -66.232 ± 0.738 χ^2/NDF : 0.0/0

+ sign -68.763 ± 0.303 χ^2/NDF : 3878.1/17

All: -71.937 ± 0.240 χ^2/NDF : 6771.9/37

- sign -77.221 ± 0.391 χ^2/NDF : 2601.9/19

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089 ± 0.426 $\chi^2/\text{NDF}: 1526.8/15$

Left Out: -43.521 ± 0.442 $\chi^2/\text{NDF}: 4.7/1$

Right Out: -60.287 ± 0.470 $\chi^2/\text{NDF}: 1587.9/18$

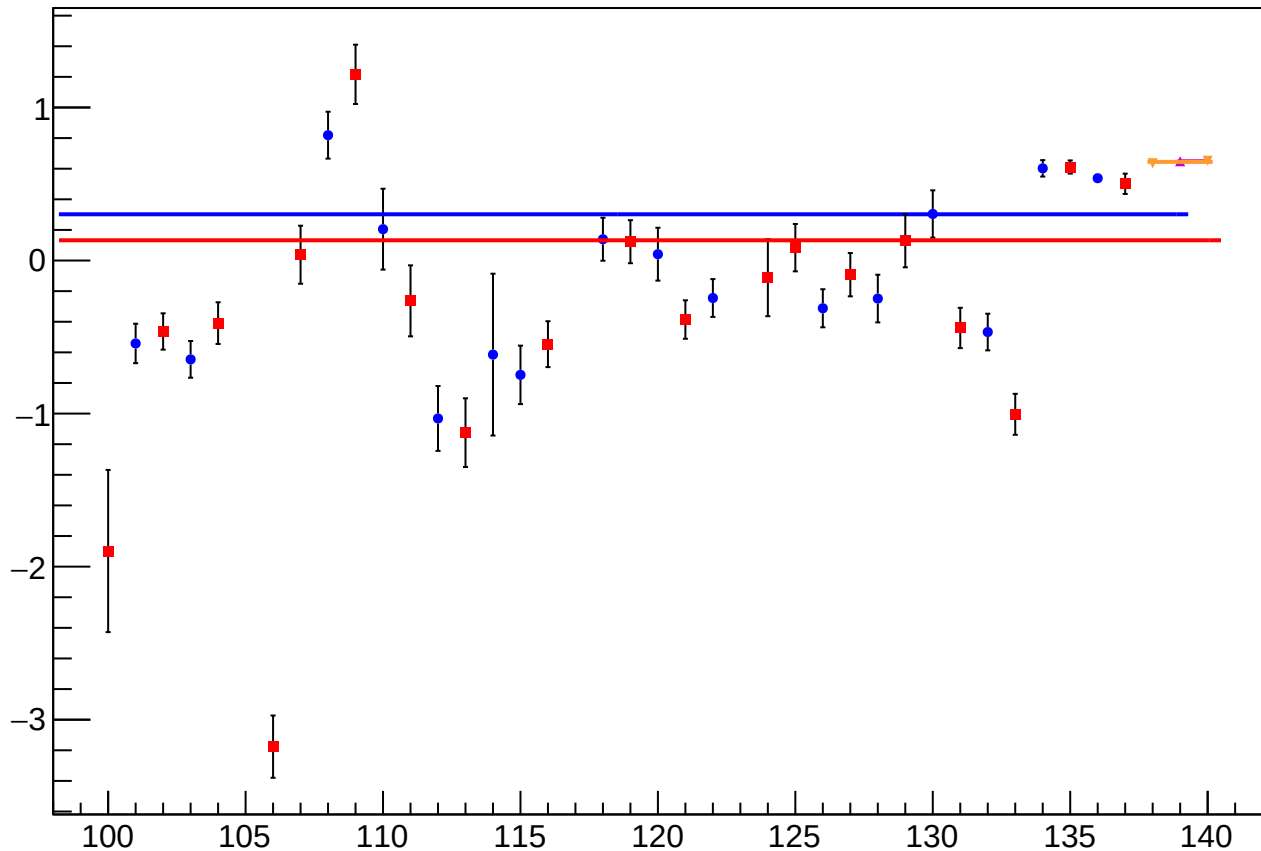
Left In: -13.937 ± 1.234 $\chi^2/\text{NDF}: 0.0/0$

+ sign -50.560 ± 0.307 $\chi^2/\text{NDF}: 2020.3/17$

All: -51.822 ± 0.251 $\chi^2/\text{NDF}: 4892.3/37$

- sign -54.413 ± 0.439 $\chi^2/\text{NDF}: 2820.3/19$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302 $\pm$ 0.023 χ^2 /NDF: 374.8/15

Left Out: 0.645 $\pm$ 0.019 χ^2 /NDF: 0.2/1

Right Out: 0.132 $\pm$ 0.027 χ^2 /NDF: 672.5/18

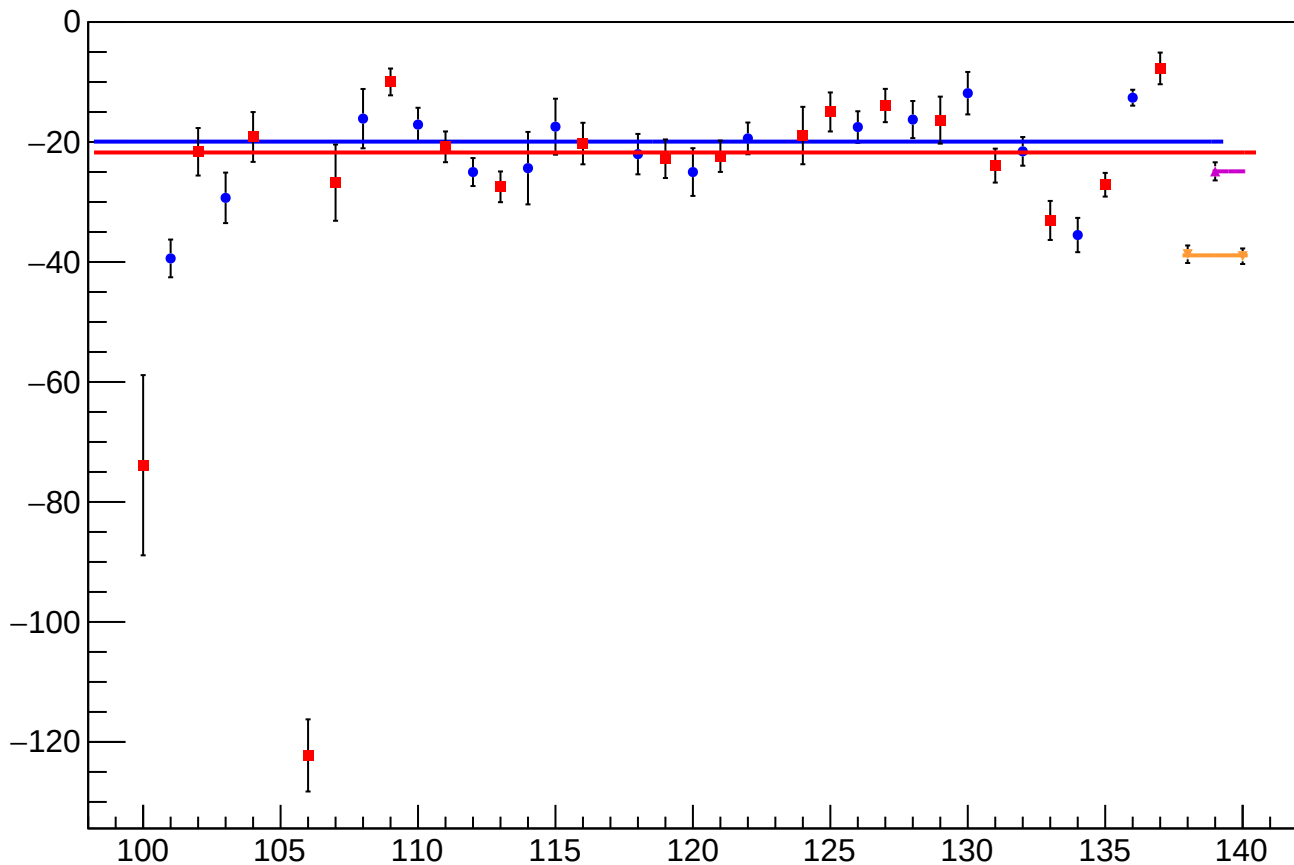
Left In: 0.649 $\pm$ 0.026 χ^2 /NDF: 0.0/0

+ sign 0.506 $\pm$ 0.015 χ^2 /NDF: 507.7/17

All: 0.463 $\pm$ 0.012 χ^2 /NDF: 1394.0/37

- sign 0.391 $\pm$ 0.019 χ^2 /NDF: 862.8/19

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935 ± 0.695 χ^2/NDF : 120.6/15

Left Out: -38.894 ± 0.969 χ^2/NDF : 0.0/1

Right Out: -21.746 ± 0.714 χ^2/NDF : 388.3/18

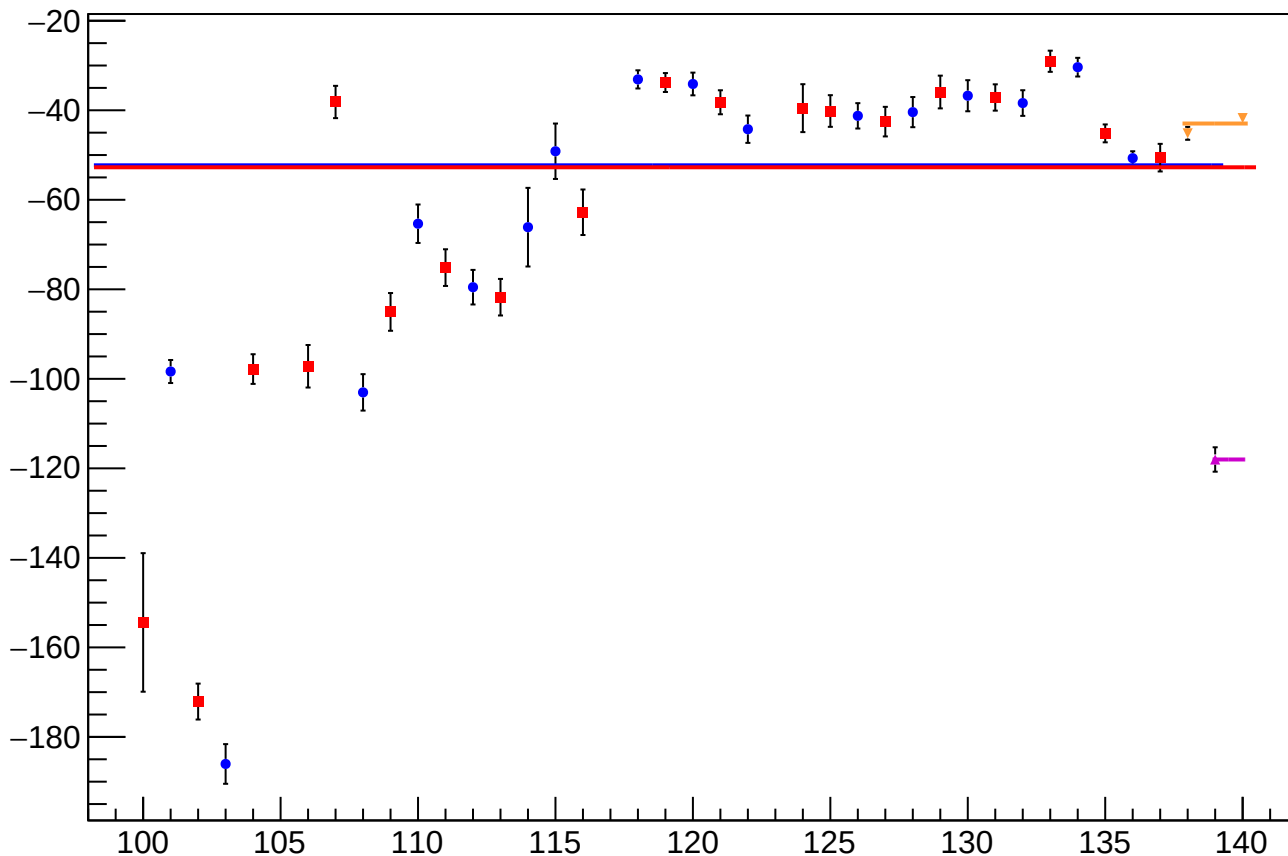
Left In: -24.892 ± 1.509 χ^2/NDF : 0.0/0

+ sign -26.370 ± 0.565 χ^2/NDF : 373.4/17

All: -24.614 ± 0.425 χ^2/NDF : 787.6/37

- sign -22.321 ± 0.645 χ^2/NDF : 391.9/19

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296 $\pm$ 0.708 χ^2 /NDF: 1778.2/15

Left Out: -42.959 $\pm$ 0.863 χ^2 /NDF: 3.6/1

Right Out: -52.737 $\pm$ 0.748 χ^2 /NDF: 1662.5/18

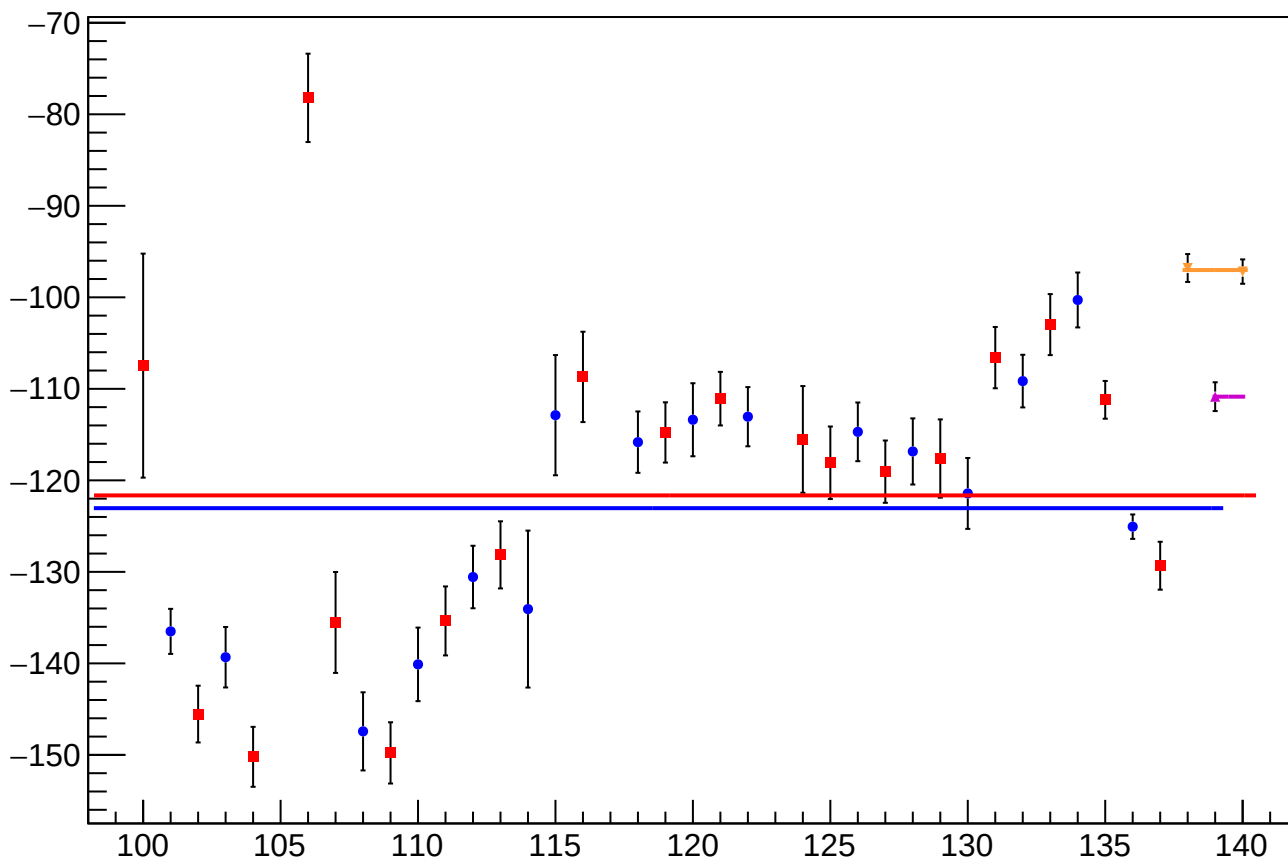
Left In: -118.019 $\pm$ 2.727 χ^2 /NDF: 0.0/0

+ sign -48.542 $\pm$ 0.548 χ^2 /NDF: 1851.7/17

All: -51.745 $\pm$ 0.436 χ^2 /NDF: 4141.0/37

- sign -57.309 $\pm$ 0.722 χ^2 /NDF: 2195.7/19

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039 ± 0.750 χ^2/NDF : 226.8/15

Left Out: -97.018 ± 1.003 χ^2/NDF : 0.0/1

Right Out: -121.646 ± 0.801 χ^2/NDF : 424.5/18

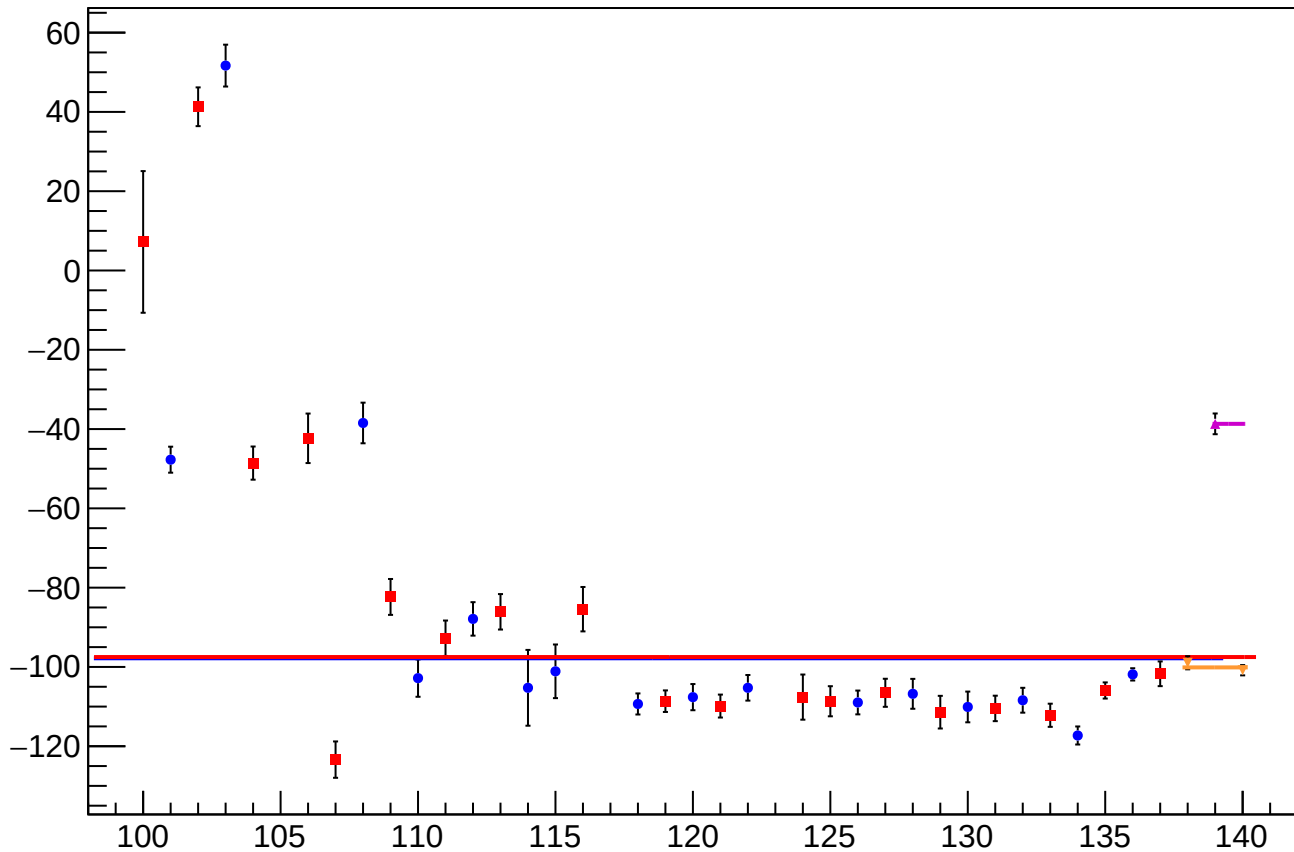
Left In: -110.855 ± 1.573 χ^2/NDF : 0.0/0

+ sign -113.708 ± 0.601 χ^2/NDF : 658.5/17

All: -116.077 ± 0.460 χ^2/NDF : 1157.9/37

- sign -119.422 ± 0.714 χ^2/NDF : 461.9/19

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814 ± 0.793 χ^2/NDF : 1330.8/15

Left Out: -100.116 ± 1.019 χ^2/NDF : 0.8/1

Right Out: -97.504 ± 0.843 χ^2/NDF : 1236.4/18

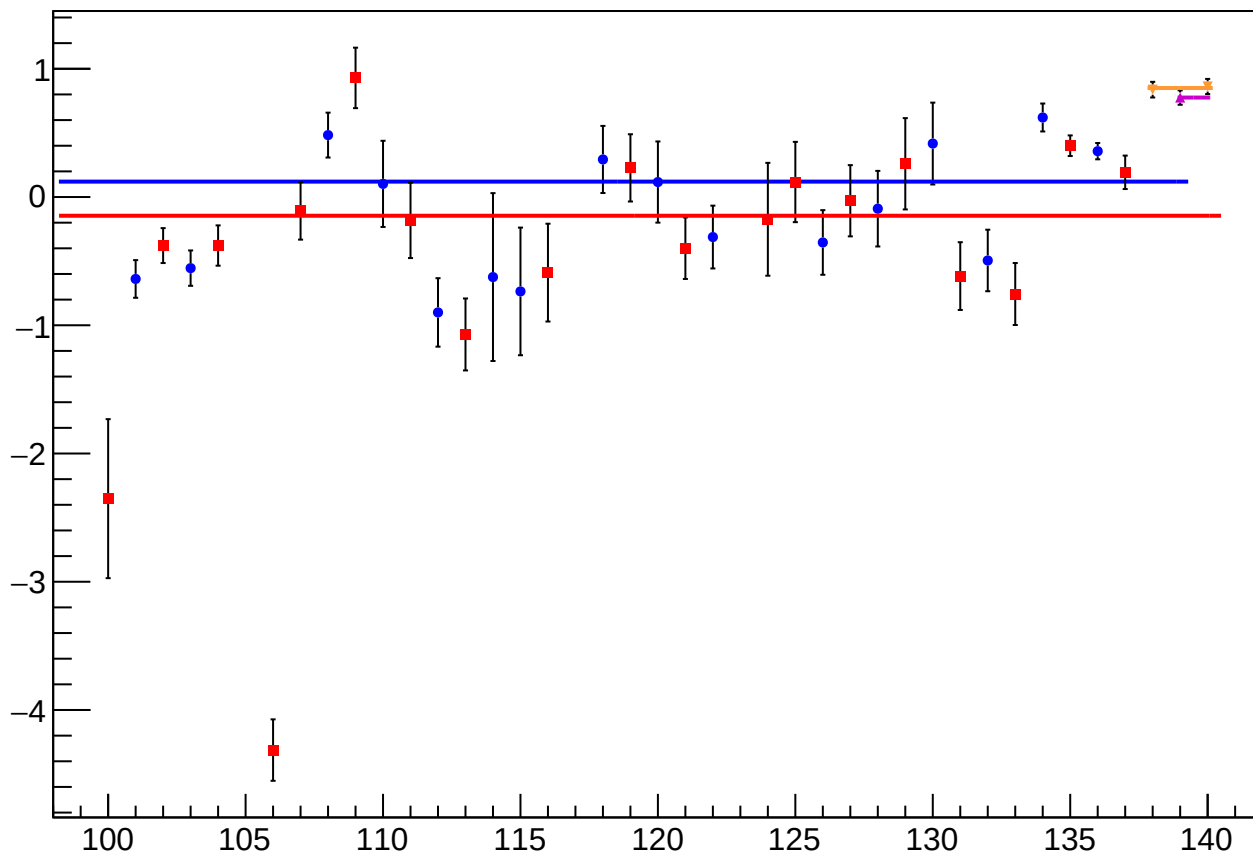
Left In: -38.682 ± 2.615 χ^2/NDF : 0.0/0

+ sign -98.682 ± 0.626 χ^2/NDF : 1334.8/17

All: -96.142 ± 0.493 χ^2/NDF : 3073.1/37

- sign -91.971 ± 0.802 χ^2/NDF : 1694.8/19

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120 ± 0.041 $\chi^2/\text{NDF}: 123.9/15$

Left Out: 0.850 ± 0.042 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -0.146 ± 0.045 $\chi^2/\text{NDF}: 421.0/18$

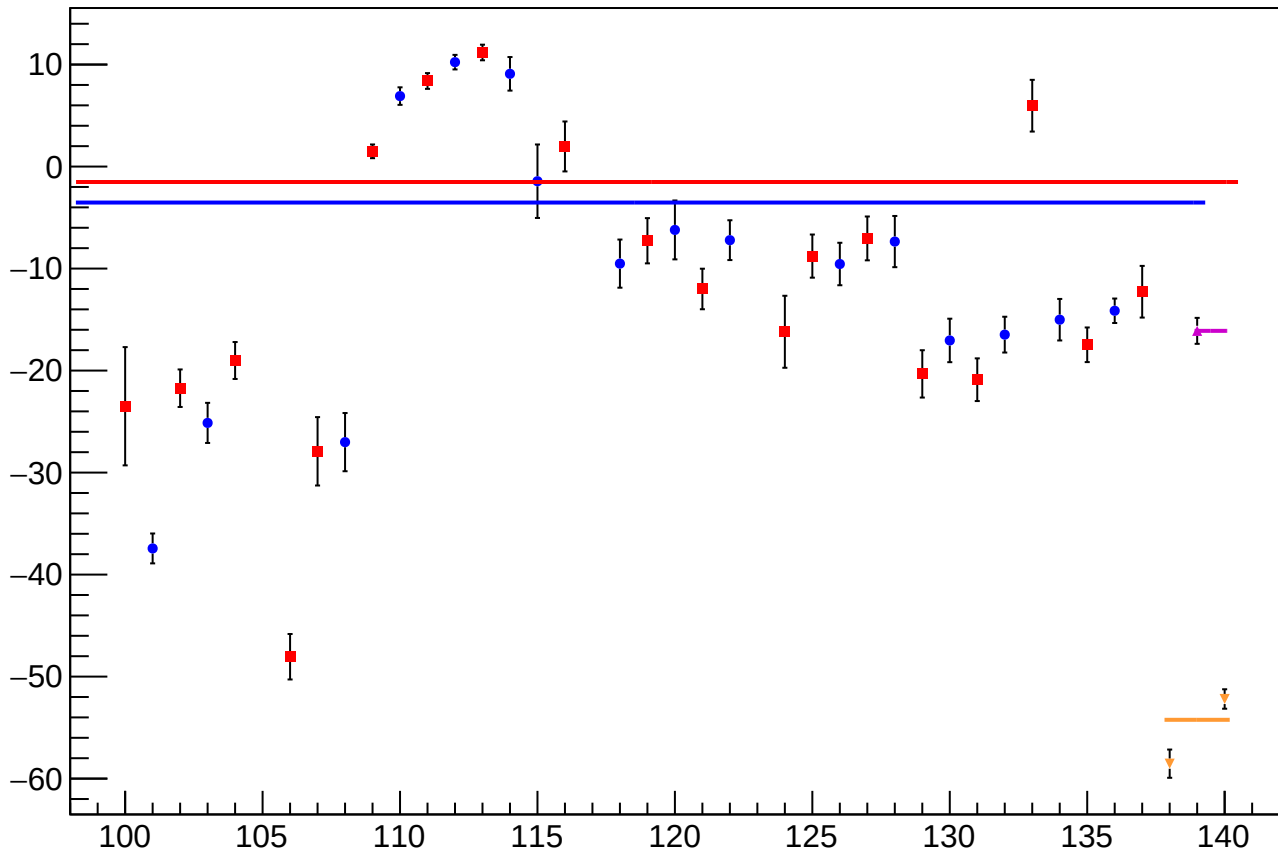
Left In: 0.776 ± 0.056 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.474 ± 0.030 $\chi^2/\text{NDF}: 276.1/17$

All: 0.366 ± 0.023 $\chi^2/\text{NDF}: 893.9/37$

- sign 0.213 ± 0.035 $\chi^2/\text{NDF}: 585.4/19$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527 ± 0.377 χ^2/NDF : 1529.1/15

Left Out: -54.235 ± 0.785 χ^2/NDF : 14.2/1

Right Out: -1.513 ± 0.338 χ^2/NDF : 1524.7/18

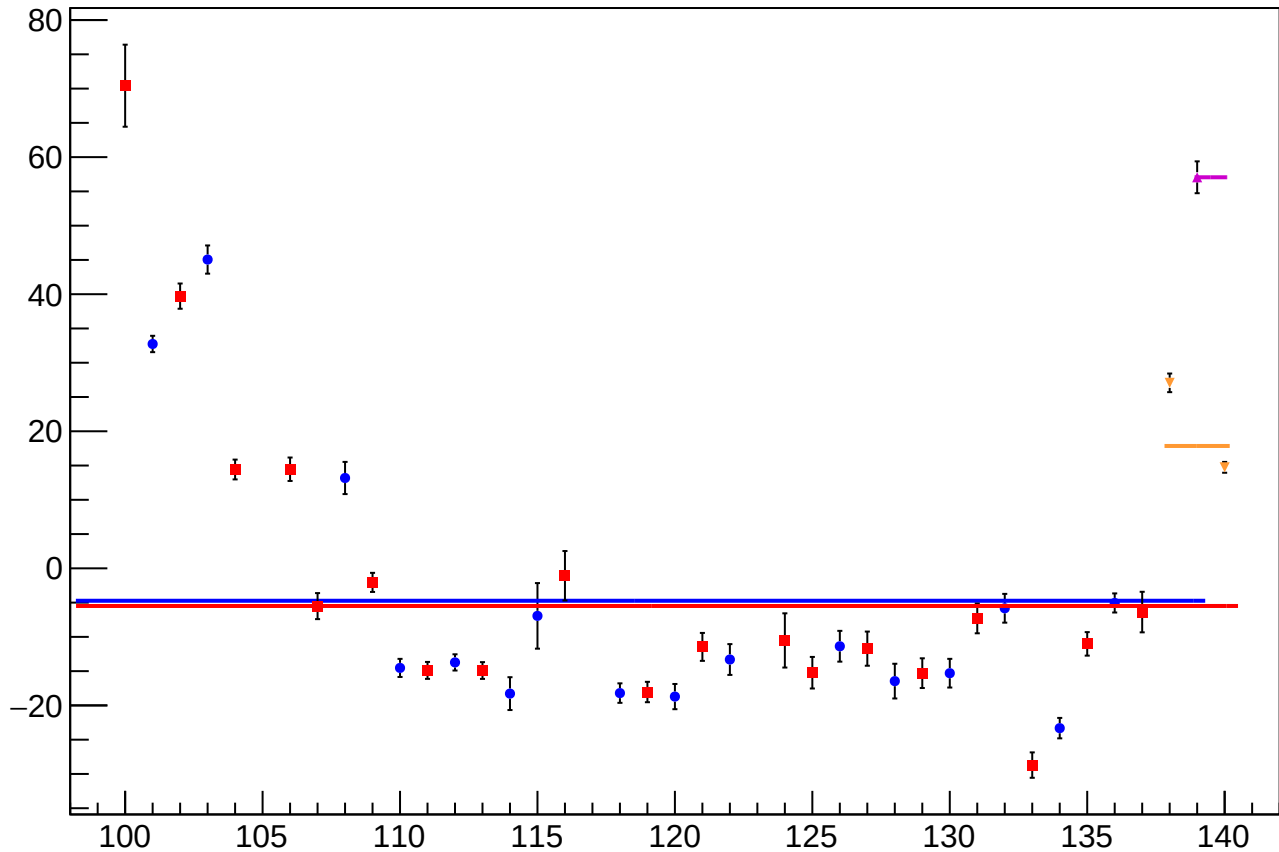
Left In: -16.106 ± 1.273 χ^2/NDF : 0.0/0

+ sign -13.015 ± 0.340 χ^2/NDF : 4932.3/17

All: -7.547 ± 0.236 χ^2/NDF : 7079.2/37

- sign -2.477 ± 0.327 χ^2/NDF : 1647.5/19

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729 ± 0.431 χ^2/NDF : 2148.0/15

Left Out: 17.855 ± 0.683 χ^2/NDF : 61.5/1

Right Out: -5.491 ± 0.422 χ^2/NDF : 1508.6/18

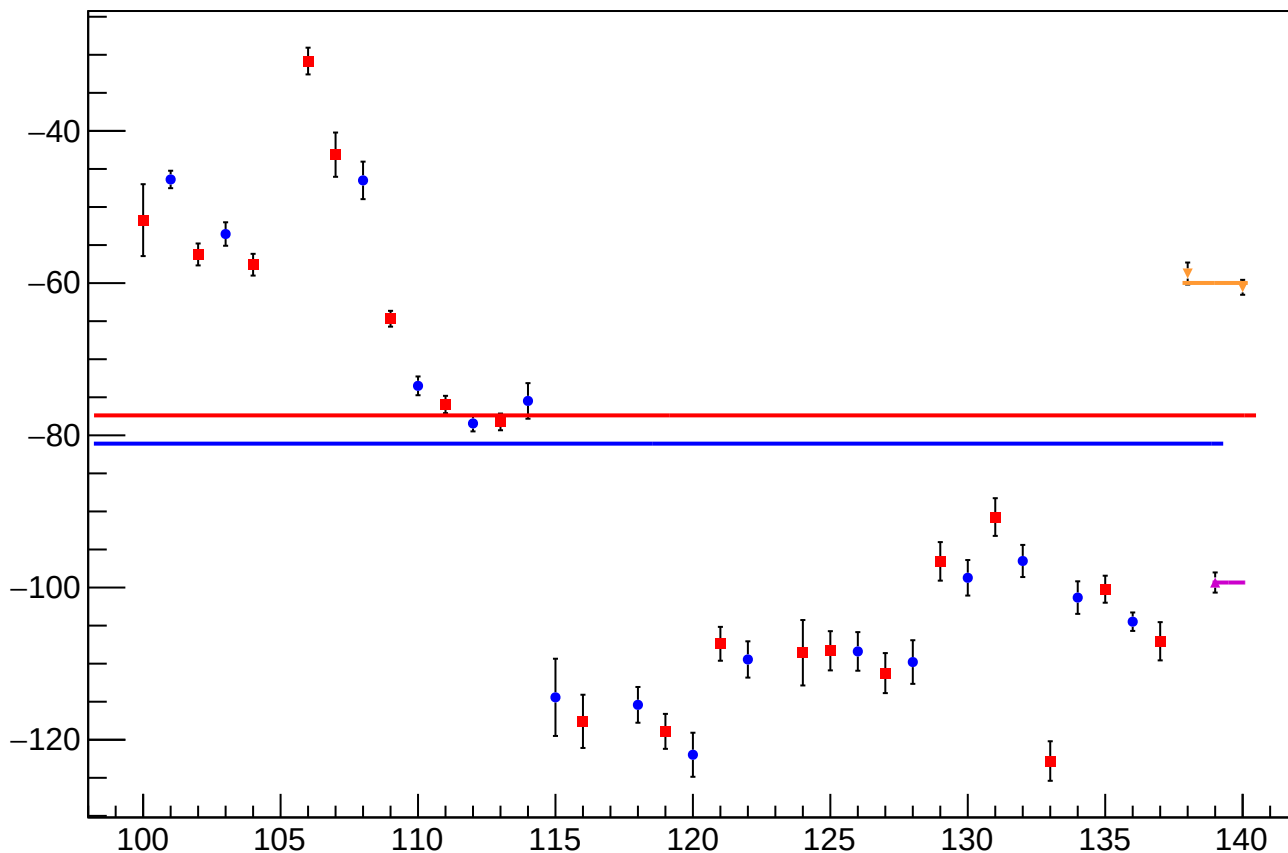
Left In: 57.060 ± 2.324 χ^2/NDF : 0.0/0

+ sign 1.698 ± 0.364 χ^2/NDF : 2991.6/17

All: -0.560 ± 0.274 χ^2/NDF : 5289.5/37

- sign -3.494 ± 0.415 χ^2/NDF : 2209.7/19

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091 $\pm$ 0.438 χ^2 /NDF: 2870.3/15

Left Out: -59.979 $\pm$ 0.811 χ^2 /NDF: 1.1/1

Right Out: -77.379 $\pm$ 0.417 χ^2 /NDF: 3129.7/18

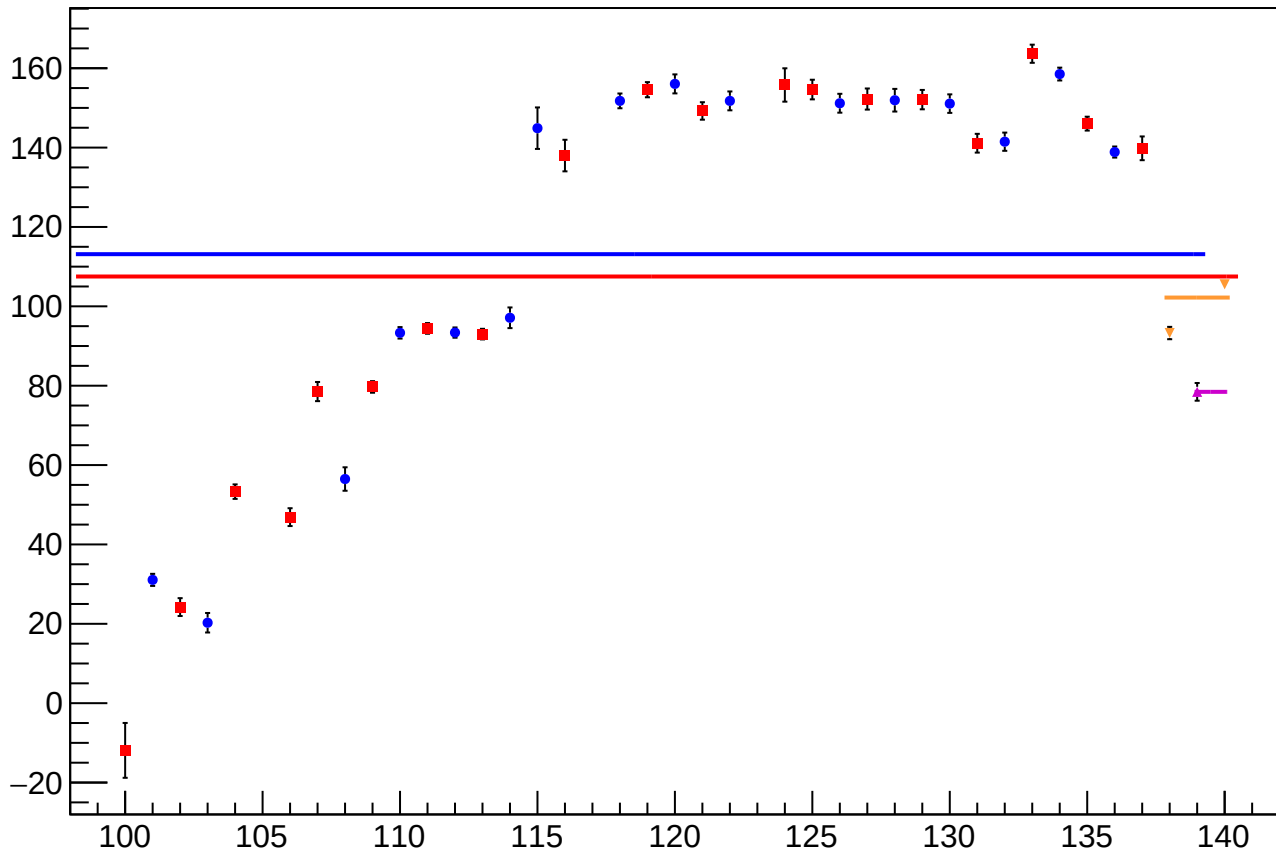
Left In: -99.340 $\pm$ 1.324 χ^2 /NDF: 0.0/0

+ sign -76.321 $\pm$ 0.386 χ^2 /NDF: 3395.4/17

All: -77.794 $\pm$ 0.277 χ^2 /NDF: 6805.5/37

- sign -79.360 $\pm$ 0.398 χ^2 /NDF: 3380.0/19

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143 $\pm$ 0.489 χ^2 /NDF: 8204.1/15

Left Out: 102.210 $\pm$ 0.811 χ^2 /NDF: 45.3/1

Right Out: 107.515 $\pm$ 0.479 χ^2 /NDF: 7544.0/18

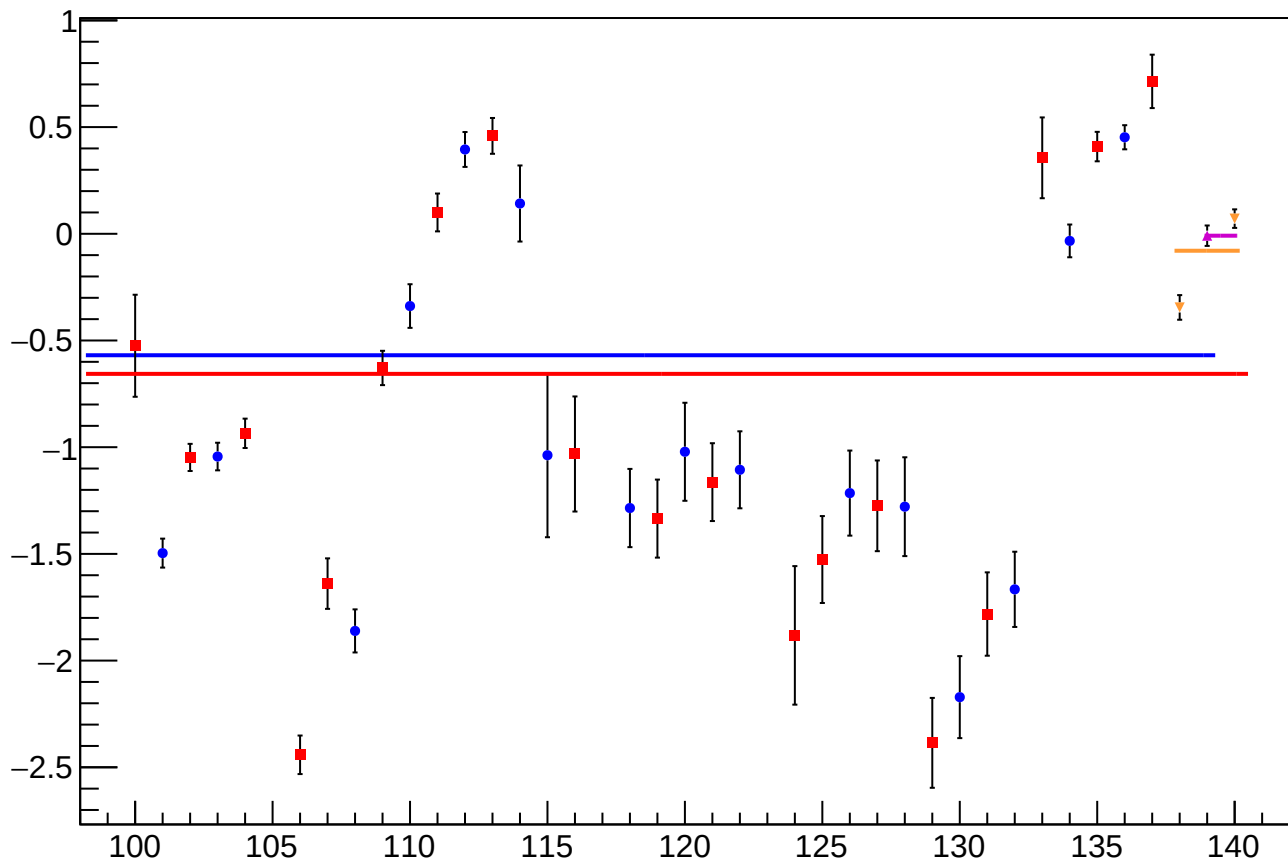
Left In: 78.450 $\pm$ 2.231 χ^2 /NDF: 0.0/0

+ sign 110.229 $\pm$ 0.419 χ^2 /NDF: 8382.6/17

All: 108.455 $\pm$ 0.312 χ^2 /NDF: 16129.2/37

- sign 106.233 $\pm$ 0.469 χ^2 /NDF: 7706.2/19

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF : 1097.4/15

Left Out: -0.079+/-0.035 χ^2/NDF : 33.2/1

Right Out: -0.656+/-0.025 χ^2/NDF : 1315.2/18

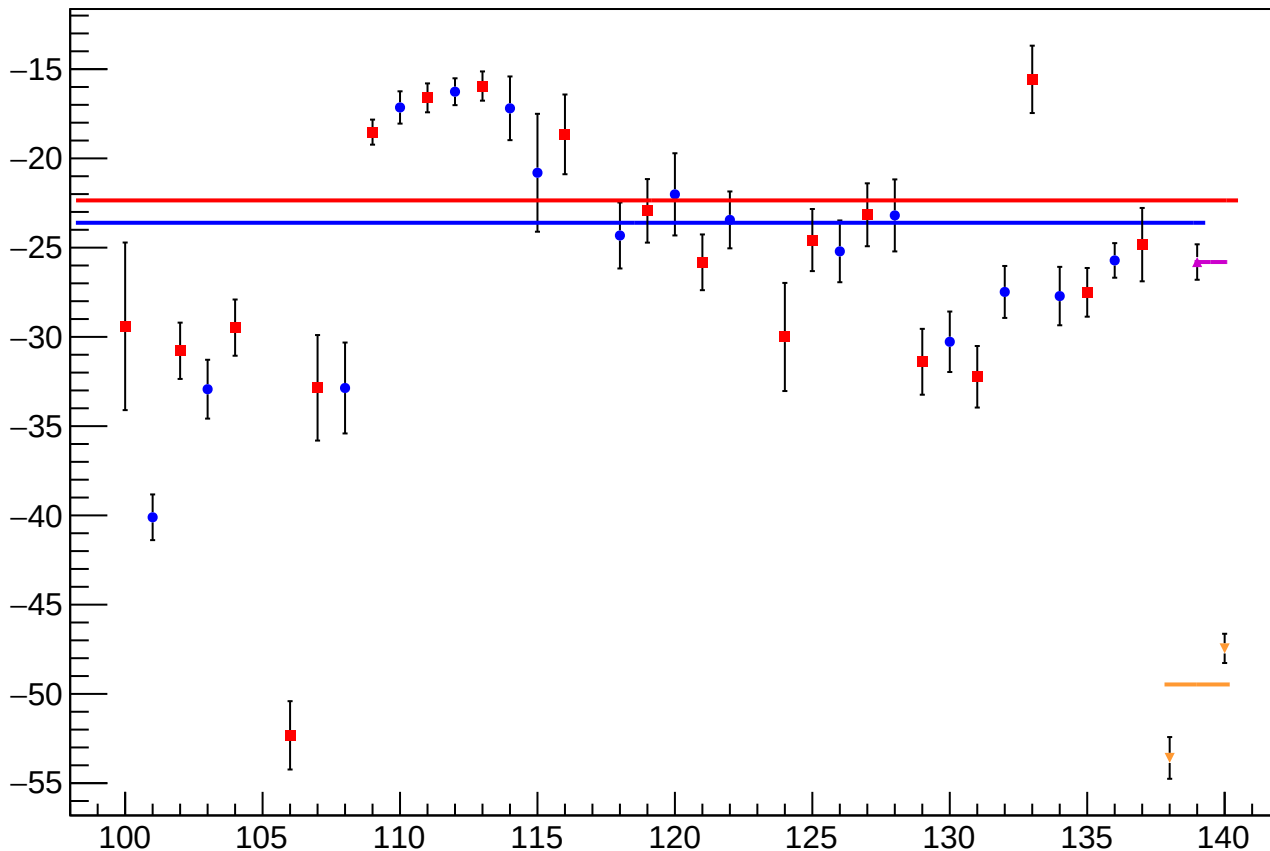
Left In: -0.009+/-0.048 χ^2/NDF : 0.0/0

+ sign -0.395+/-0.021 χ^2/NDF : 1258.8/17

All: -0.451+/-0.015 χ^2/NDF : 2733.1/37

- sign -0.516+/-0.022 χ^2/NDF : 1458.6/19

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607 ± 0.348 χ^2/NDF : 406.4/15

Left Out: -49.471 ± 0.671 χ^2/NDF : 18.5/1

Right Out: -22.354 ± 0.322 χ^2/NDF : 551.7/18

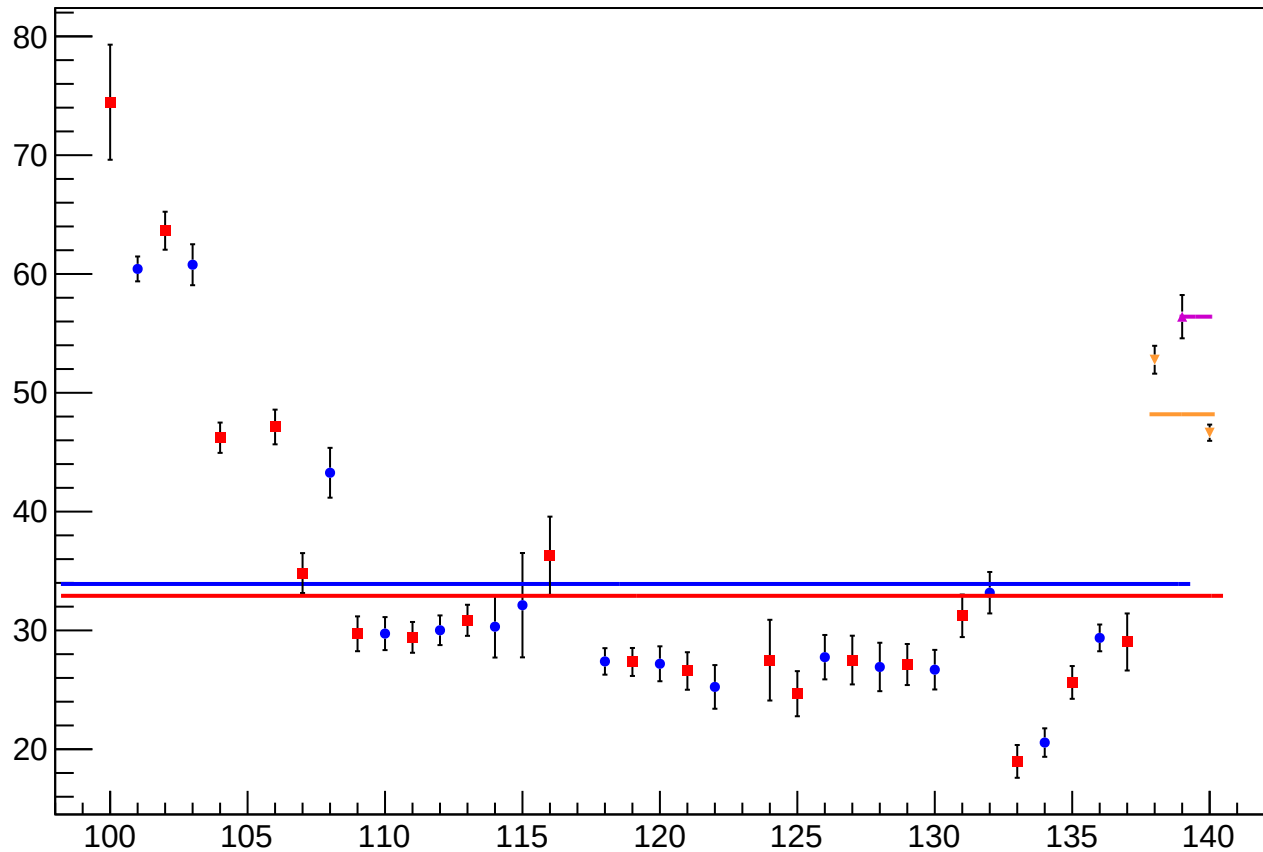
Left In: -25.806 ± 0.993 χ^2/NDF : 0.0/0

+ sign -29.097 ± 0.309 χ^2/NDF : 1595.3/17

All: -25.858 ± 0.218 χ^2/NDF : 2375.4/37

- sign -22.682 ± 0.306 χ^2/NDF : 562.7/19

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909 $\pm$ 0.375 χ^2 /NDF: 1184.4/15

Left Out: 48.192 $\pm$ 0.590 χ^2 /NDF: 20.5/1

Right Out: 32.911 $\pm$ 0.373 χ^2 /NDF: 875.0/18

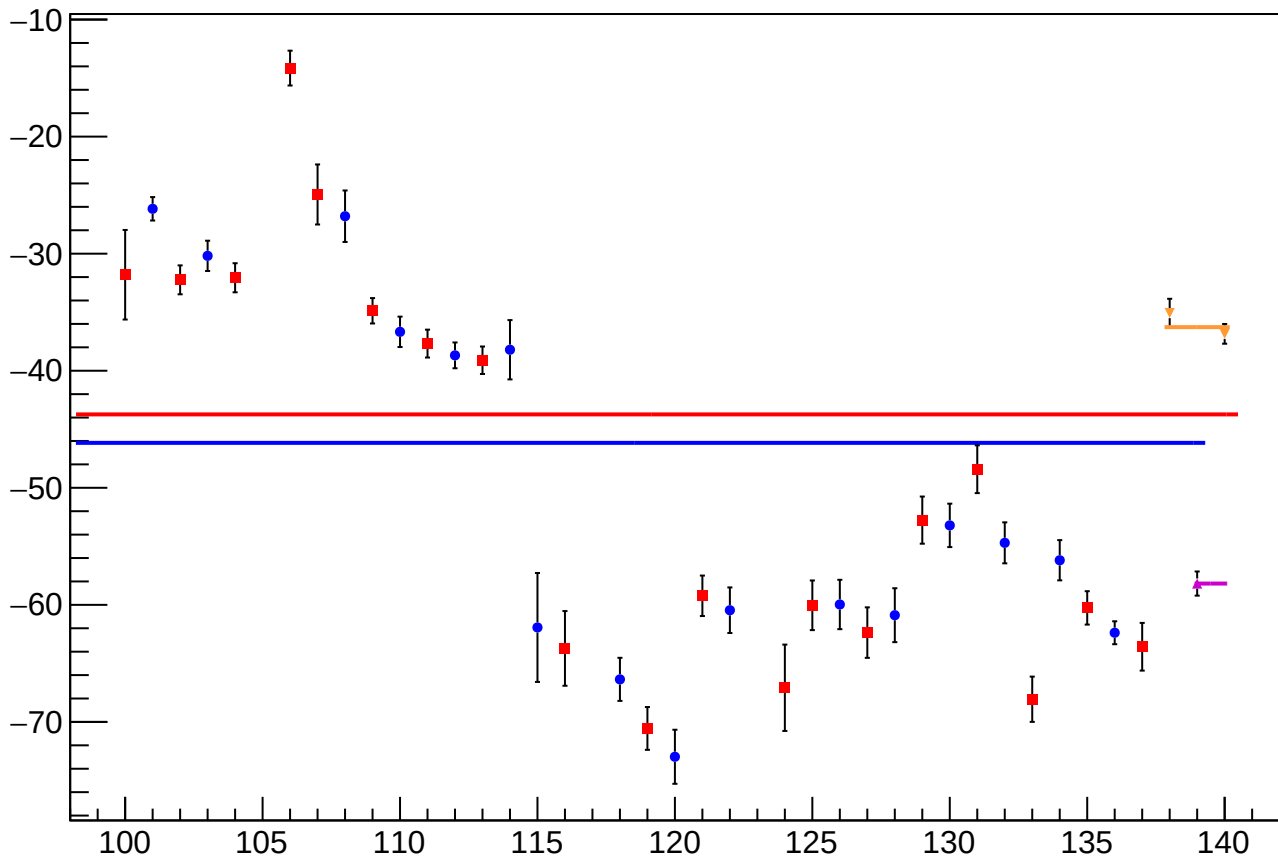
Left In: 56.408 $\pm$ 1.822 χ^2 /NDF: 0.0/0

+ sign 38.026 $\pm$ 0.317 χ^2 /NDF: 1622.4/17

All: 36.235 $\pm$ 0.239 χ^2 /NDF: 2731.5/37

- sign 33.854 $\pm$ 0.365 χ^2 /NDF: 1034.6/19

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160 ± 0.390 χ^2/NDF : 1489.6/15

Left Out: -36.275 ± 0.693 χ^2/NDF : 1.4/1

Right Out: -43.730 ± 0.378 χ^2/NDF : 1663.4/18

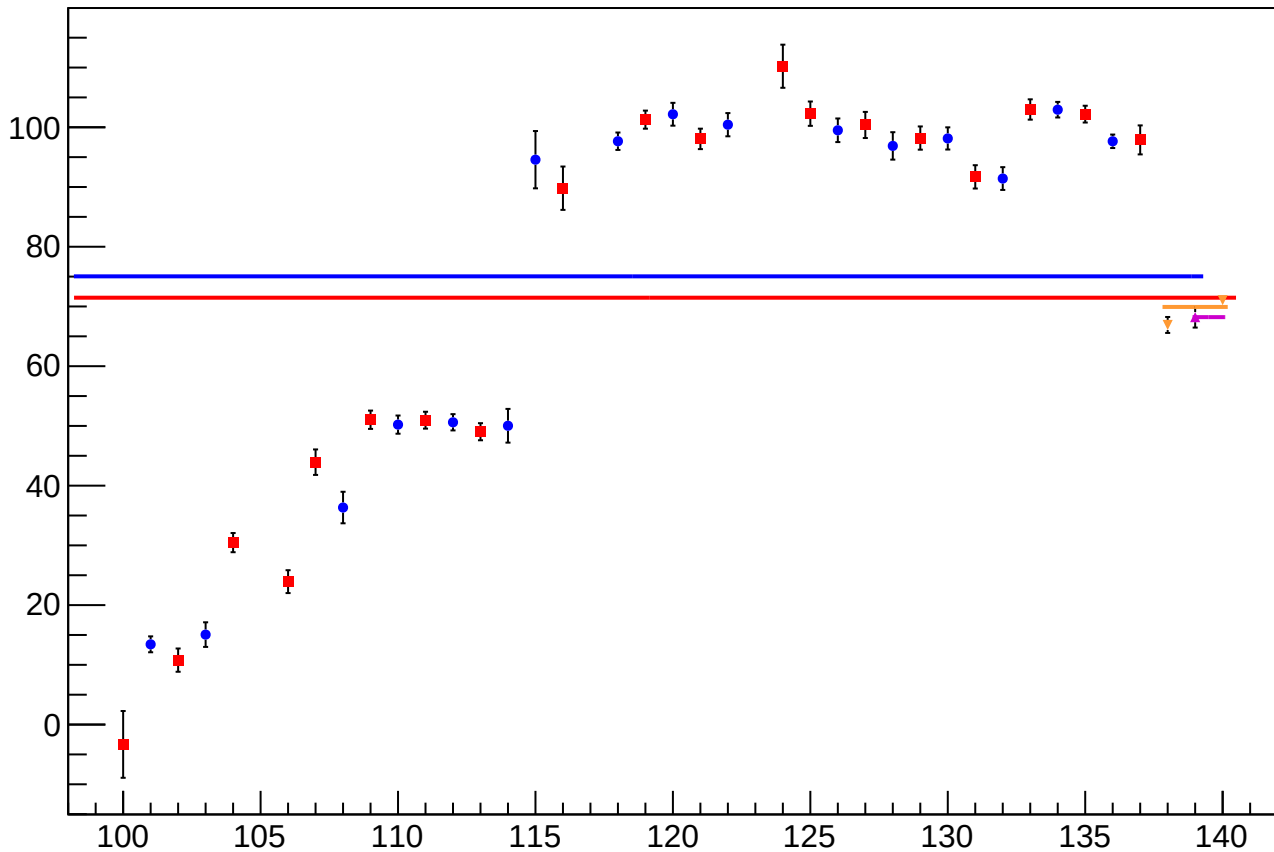
Left In: -58.181 ± 1.032 χ^2/NDF : 0.0/0

+ sign -43.787 ± 0.340 χ^2/NDF : 1645.5/17

All: -44.578 ± 0.246 χ^2/NDF : 3492.9/37

- sign -45.442 ± 0.355 χ^2/NDF : 1836.1/19

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042 $\pm$ 0.427 χ^2 /NDF: 5828.3/15

Left Out: 69.921 $\pm$ 0.698 χ^2 /NDF: 7.0/1

Right Out: 71.468 $\pm$ 0.426 χ^2 /NDF: 5628.2/18

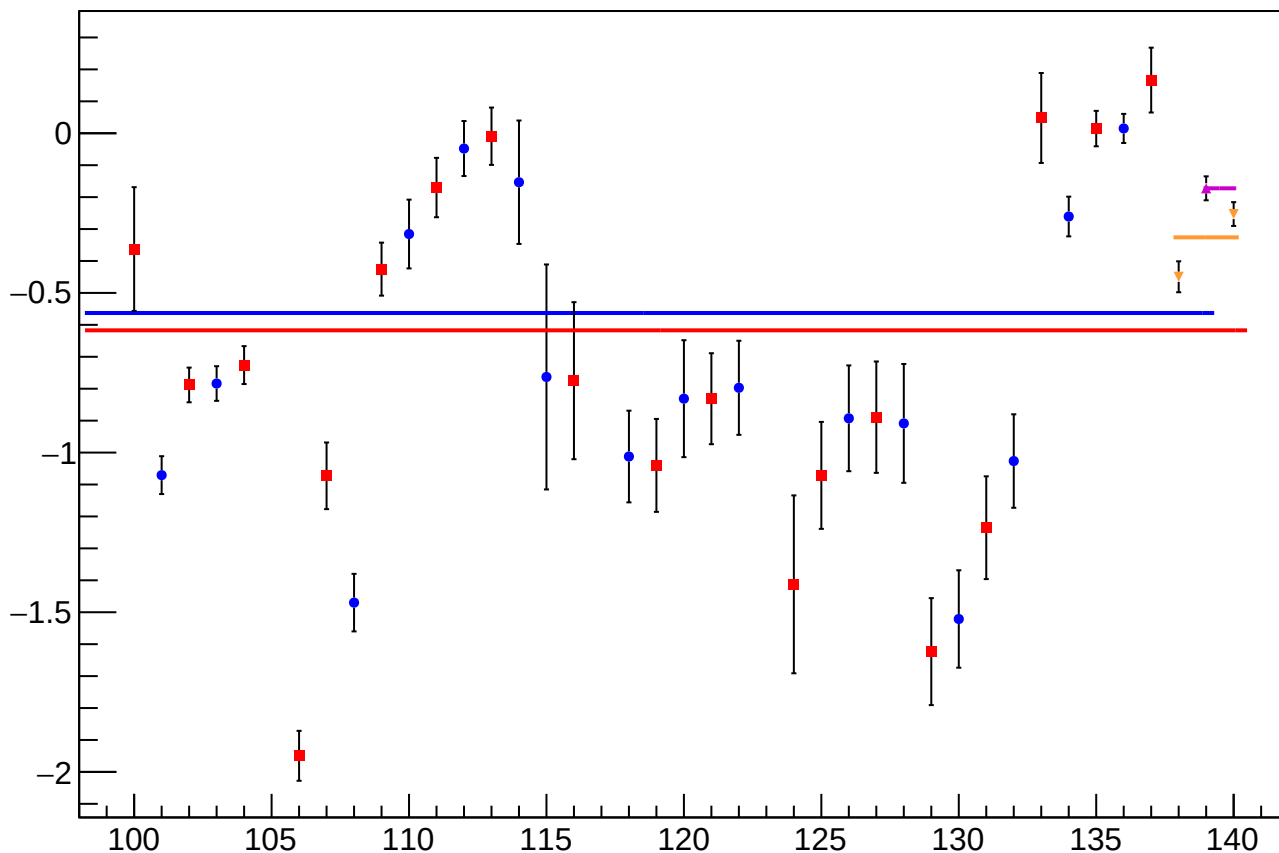
Left In: 68.215 $\pm$ 1.750 χ^2 /NDF: 0.0/0

+ sign 73.647 $\pm$ 0.365 χ^2 /NDF: 5874.4/17

All: 72.615 $\pm$ 0.273 χ^2 /NDF: 11524.2/37

- sign 71.287 $\pm$ 0.414 χ^2 /NDF: 5631.4/19

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563 ± 0.022 χ^2/NDF : 493.0/15

Left Out: -0.326 ± 0.030 χ^2/NDF : 10.3/1

Right Out: -0.617 ± 0.022 χ^2/NDF : 690.0/18

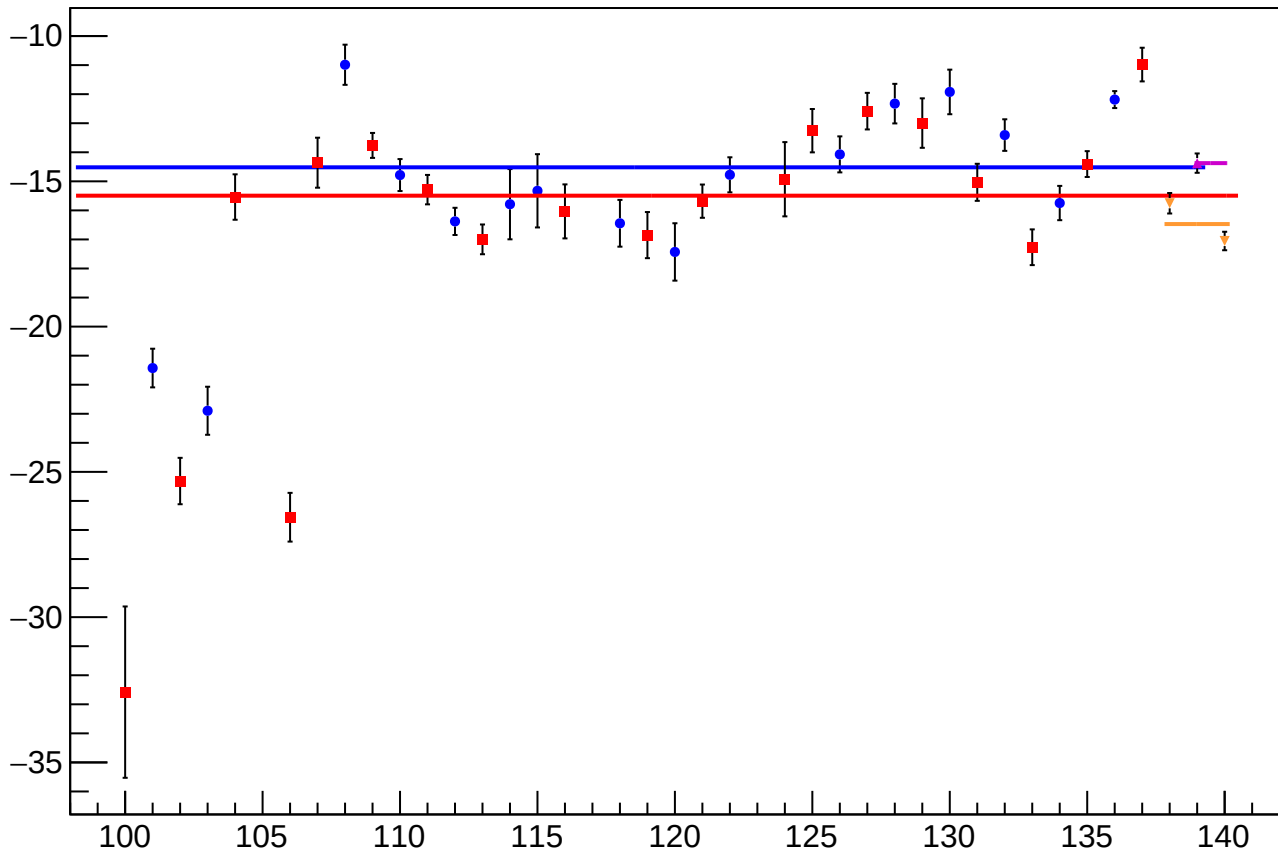
Left In: -0.172 ± 0.038 χ^2/NDF : 0.0/0

+ sign -0.477 ± 0.018 χ^2/NDF : 544.4/17

All: -0.489 ± 0.013 χ^2/NDF : 1339.5/37

- sign -0.502 ± 0.019 χ^2/NDF : 794.2/19

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: -16.471 ± 0.236 χ^2/NDF : 7.5/1

Right Out: -15.494 ± 0.150 χ^2/NDF : 503.8/18

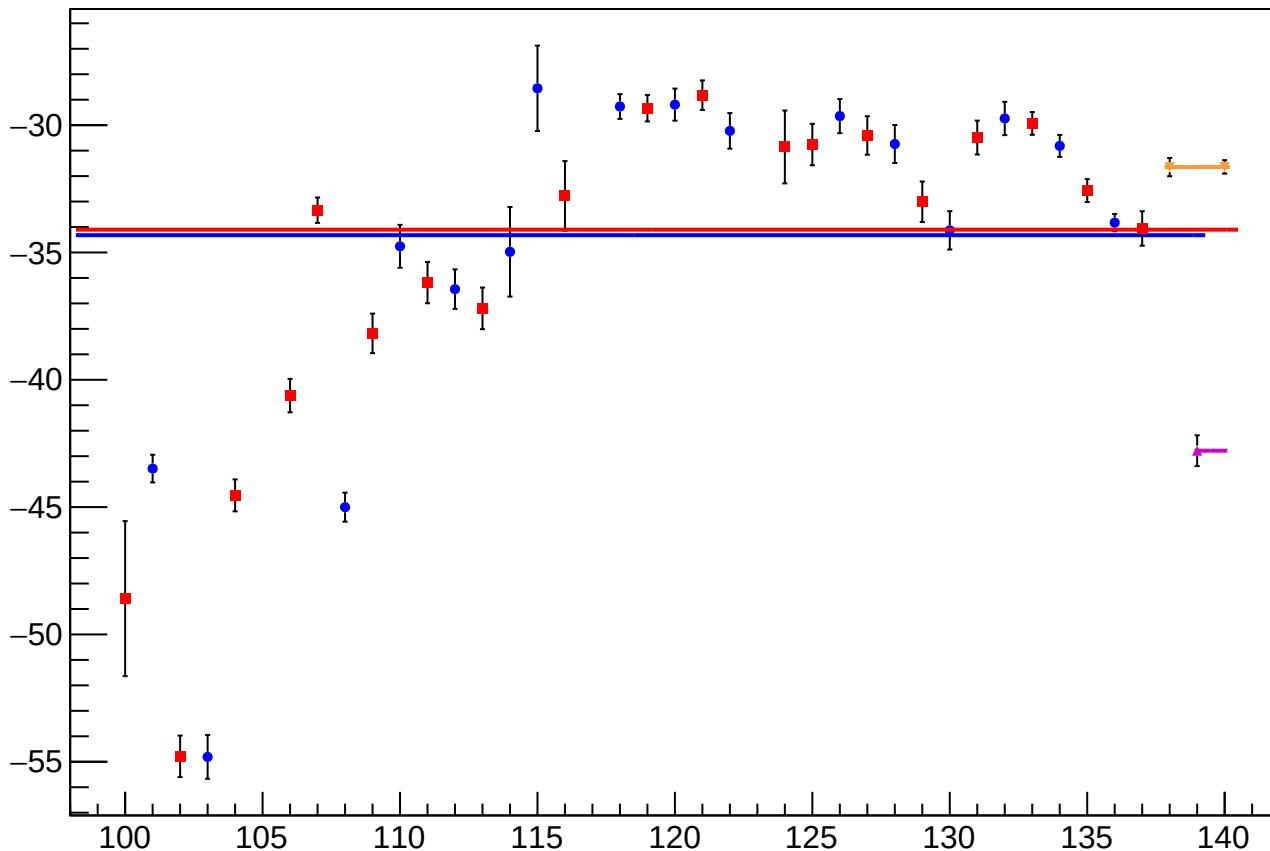
Left In: -14.374 ± 0.333 χ^2/NDF : 0.0/0

+ sign -15.076 ± 0.126 χ^2/NDF : 419.7/17

All: -15.182 ± 0.093 χ^2/NDF : 934.5/37

- sign -15.305 ± 0.137 χ^2/NDF : 513.3/19

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321 ± 0.153 $\chi^2/\text{NDF}: 1620.5/15$

Left Out: -31.642 ± 0.213 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -34.104 ± 0.154 $\chi^2/\text{NDF}: 1434.8/18$

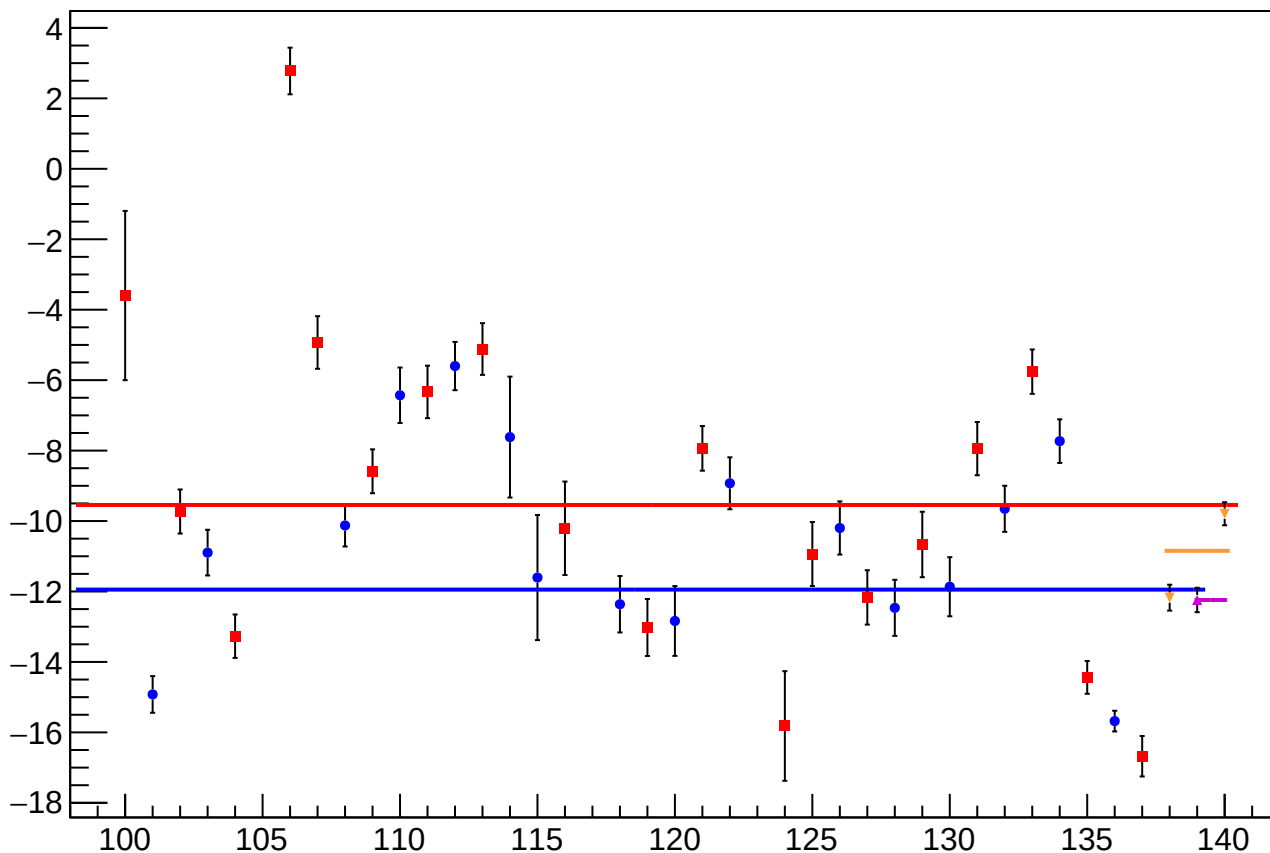
Left In: -42.784 ± 0.604 $\chi^2/\text{NDF}: 0.0/0$

+ sign -33.408 ± 0.124 $\chi^2/\text{NDF}: 1724.6/17$

All: -33.910 ± 0.096 $\chi^2/\text{NDF}: 3392.9/37$

- sign -34.634 ± 0.149 $\chi^2/\text{NDF}: 1628.5/19$

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: -10.845 ± 0.244 χ^2/NDF : 23.4/1

Right Out: -9.544 ± 0.165 χ^2/NDF : 847.1/18

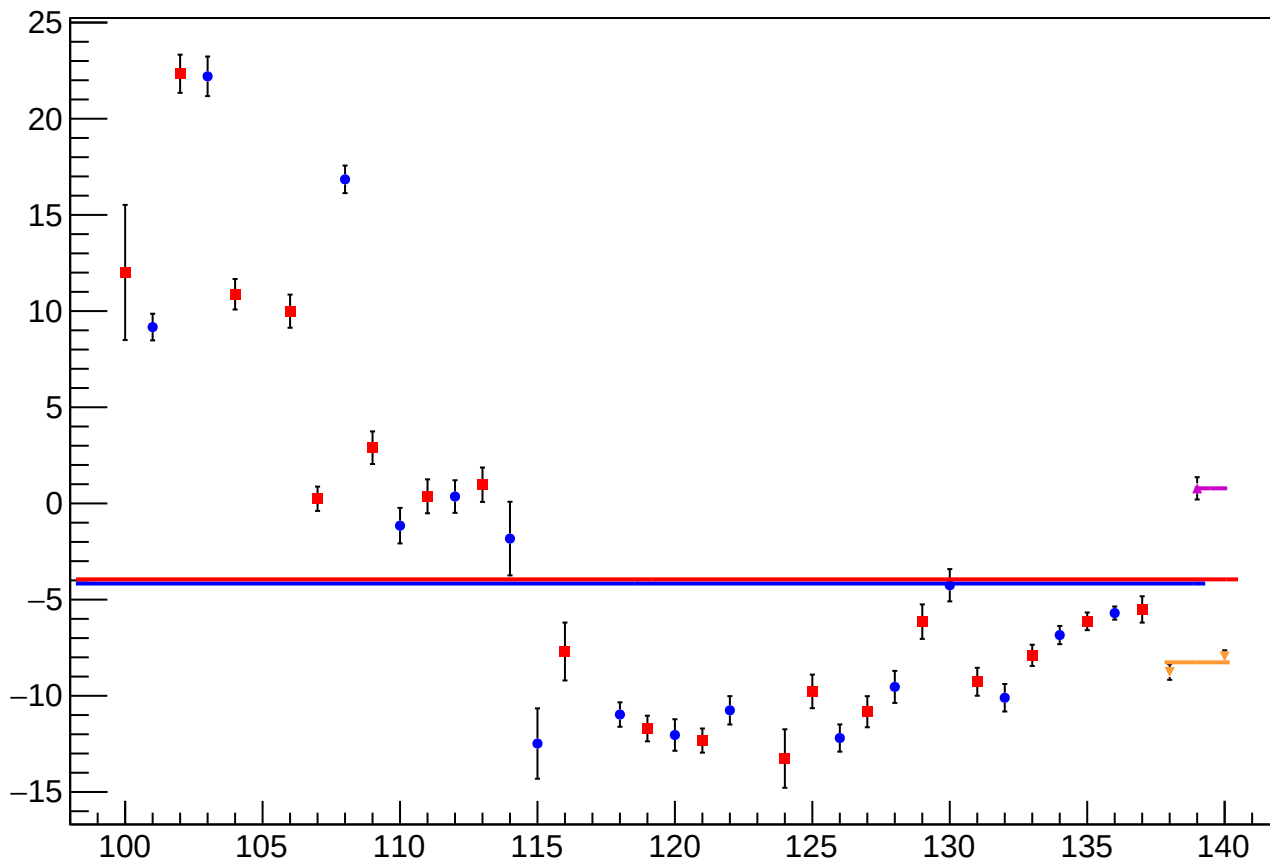
Left In: -12.241 ± 0.346 χ^2/NDF : 0.0/0

+ sign -11.616 ± 0.134 χ^2/NDF : 467.6/17

All: -10.914 ± 0.100 χ^2/NDF : 1425.7/37

- sign -10.043 ± 0.149 χ^2/NDF : 896.5/19

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163 ± 0.172 χ^2/NDF : 2525.0/15

Left Out: -8.261 ± 0.251 χ^2/NDF : 2.5/1

Right Out: -3.947 ± 0.176 χ^2/NDF : 2110.2/18

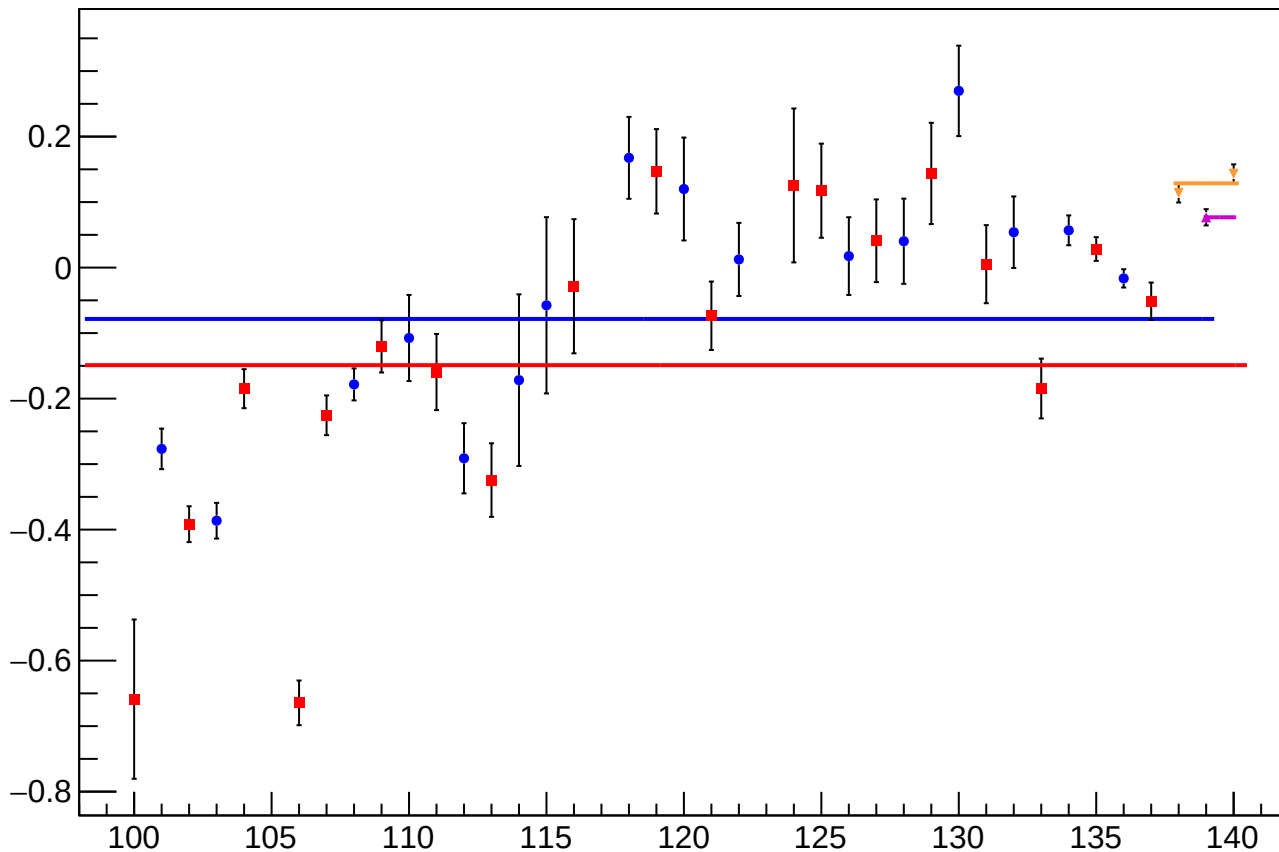
Left In: 0.786 ± 0.580 χ^2/NDF : 0.0/0

+ sign -5.474 ± 0.142 χ^2/NDF : 2709.2/17

All: -4.675 ± 0.108 χ^2/NDF : 4956.9/37

- sign -3.547 ± 0.168 χ^2/NDF : 2171.2/19

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078 ± 0.009 χ^2/NDF : 318.8/15

Left Out: 0.129 ± 0.010 χ^2/NDF : 2.0/1

Right Out: -0.149 ± 0.009 χ^2/NDF : 524.8/18

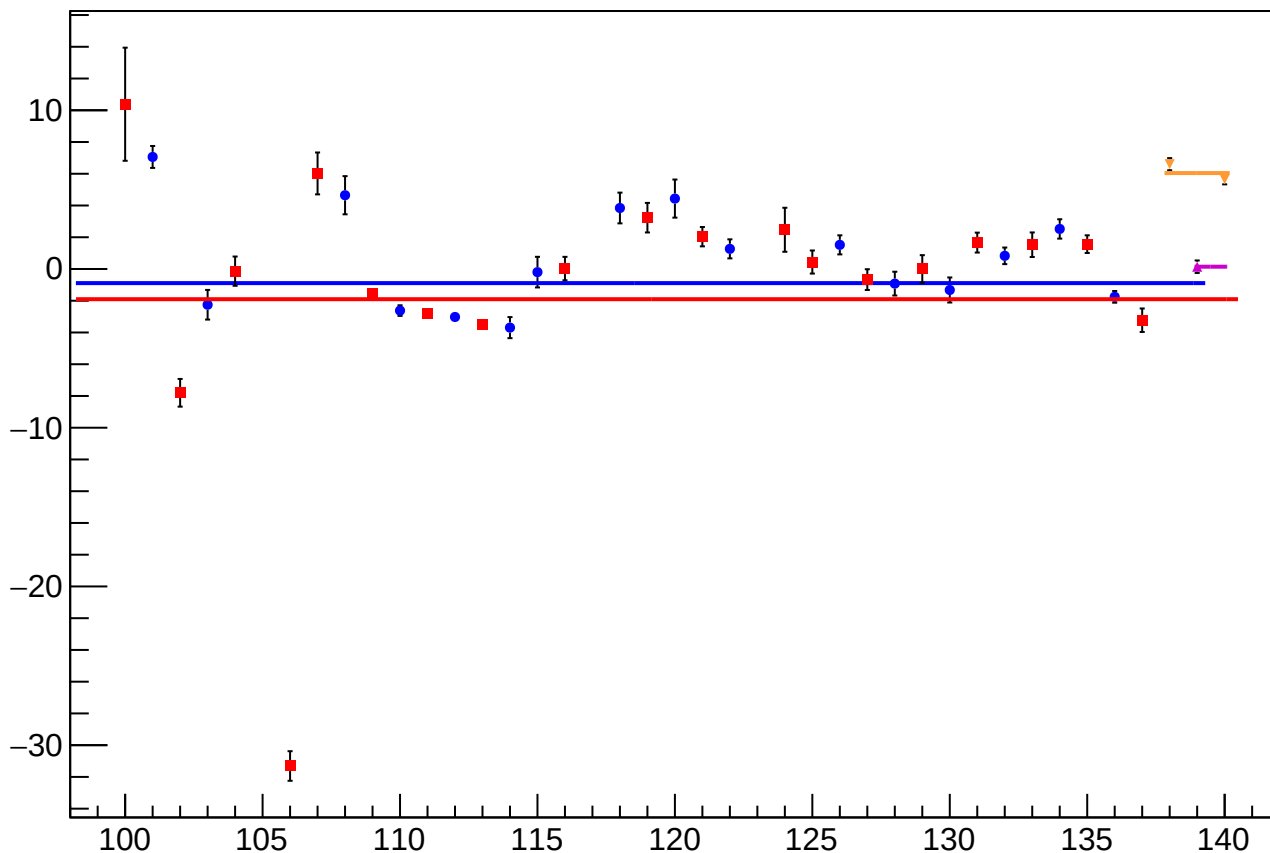
Left In: 0.077 ± 0.012 χ^2/NDF : 0.0/0

+ sign 0.007 ± 0.007 χ^2/NDF : 560.6/17

All: -0.028 ± 0.005 χ^2/NDF : 1362.1/37

- sign -0.070 ± 0.007 χ^2/NDF : 740.1/19

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889 ± 0.137 χ^2/NDF : 380.3/15

Left Out: 6.043 ± 0.246 χ^2/NDF : 3.6/1

Right Out: -1.903 ± 0.128 χ^2/NDF : 1331.8/18

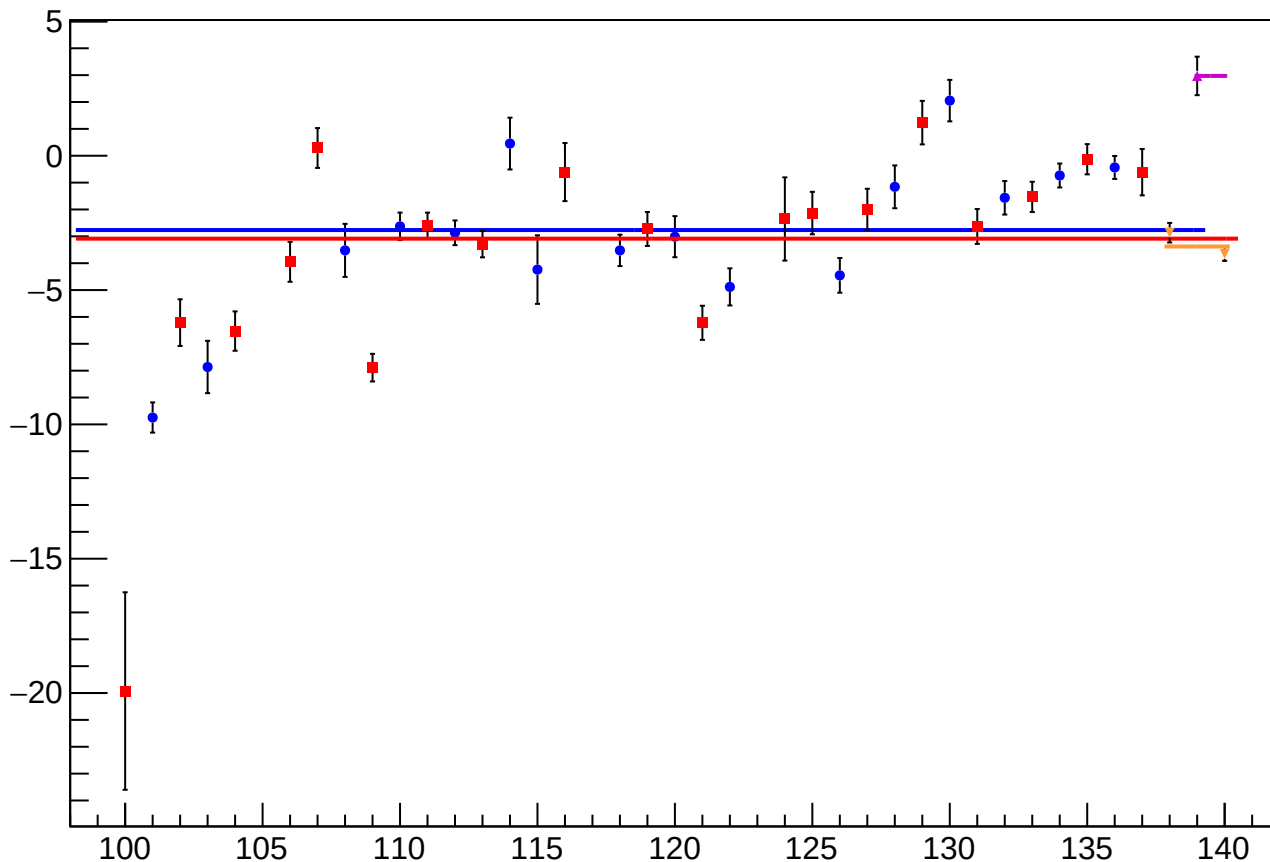
Left In: 0.145 ± 0.394 χ^2/NDF : 0.0/0

+ sign 0.745 ± 0.119 χ^2/NDF : 991.1/17

All: -0.454 ± 0.085 χ^2/NDF : 2553.5/37

- sign -1.706 ± 0.122 χ^2/NDF : 1356.3/19

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.766 ± 0.156 χ^2/NDF : 310.1/15

Left Out: -3.379 ± 0.214 χ^2/NDF : 3.0/1

Right Out: -3.086 ± 0.158 χ^2/NDF : 272.5/18

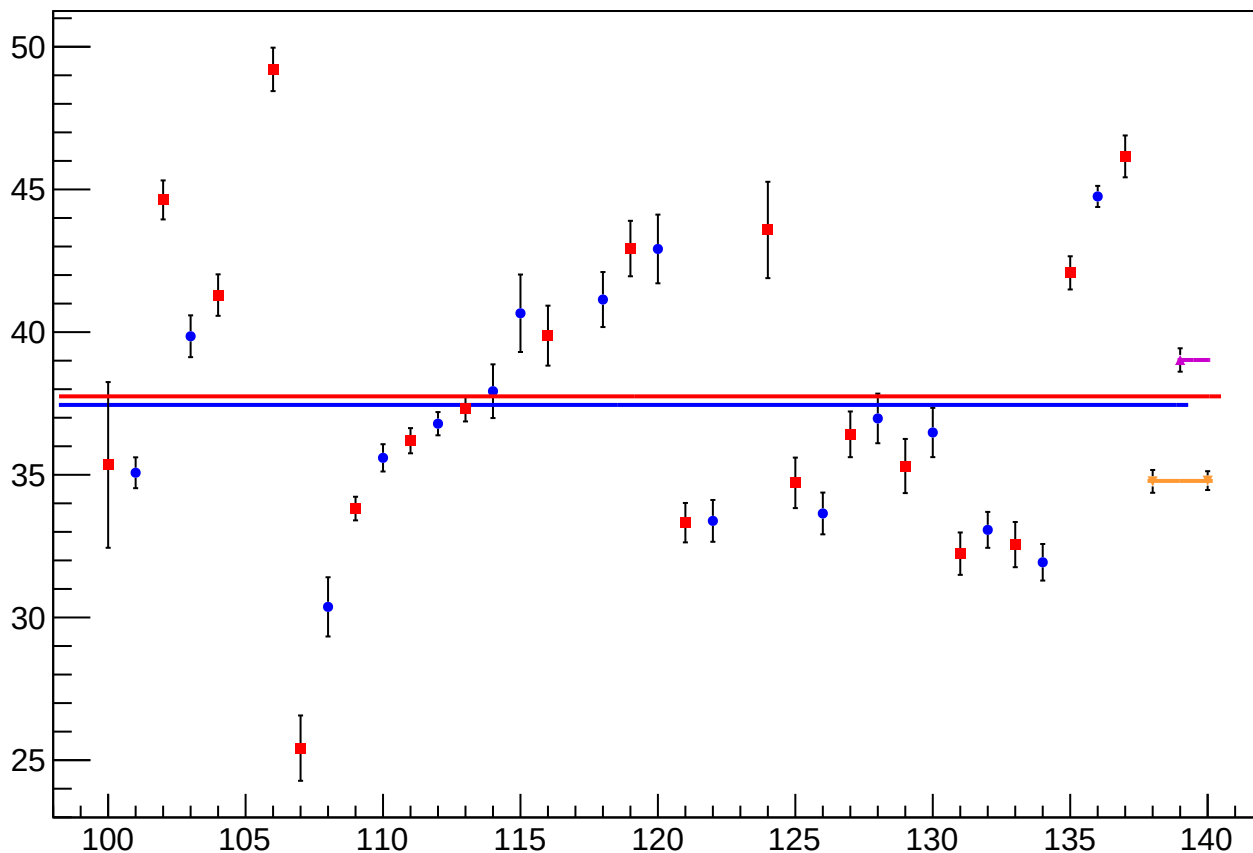
Left In: 2.971 ± 0.716 χ^2/NDF : 0.0/0

+ sign -2.979 ± 0.126 χ^2/NDF : 318.5/17

All: -2.910 ± 0.098 χ^2/NDF : 659.9/37

- sign -2.807 ± 0.154 χ^2/NDF : 340.7/19

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449 $\pm$ 0.161 χ^2 /NDF: 706.9/15

Left Out: 34.786 $\pm$ 0.254 χ^2 /NDF: 0.0/1

Right Out: 37.749 $\pm$ 0.159 χ^2 /NDF: 963.6/18

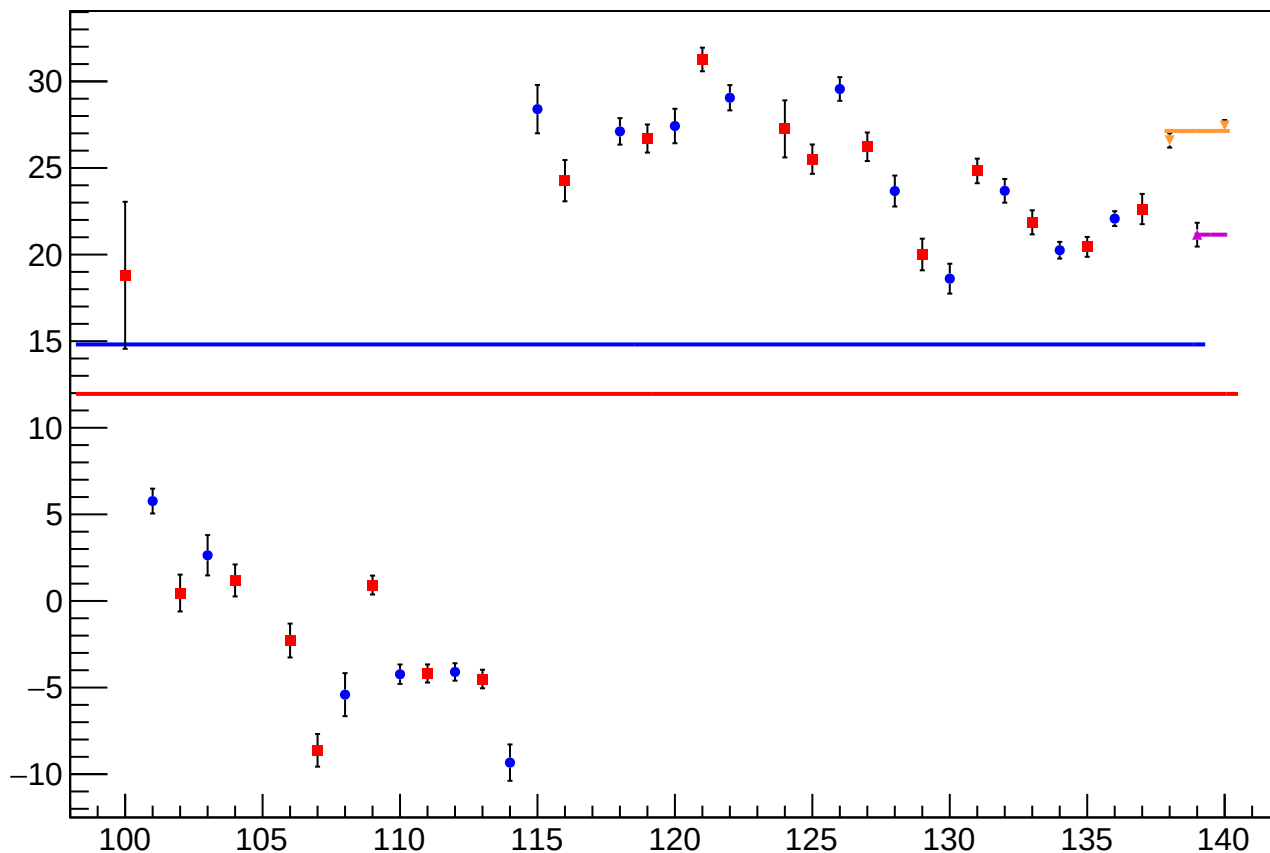
Left In: 39.024 $\pm$ 0.410 χ^2 /NDF: 0.0/0

+ sign 36.689 $\pm$ 0.136 χ^2 /NDF: 785.3/17

All: 37.248 $\pm$ 0.100 χ^2 /NDF: 1794.5/37

- sign 37.917 $\pm$ 0.149 χ^2 /NDF: 972.0/19

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812 $\pm$ 0.174 χ^2 /NDF: 5686.4/15

Left Out: 27.139 $\pm$ 0.254 χ^2 /NDF: 2.6/1

Right Out: 11.955 $\pm$ 0.177 χ^2 /NDF: 6105.5/18

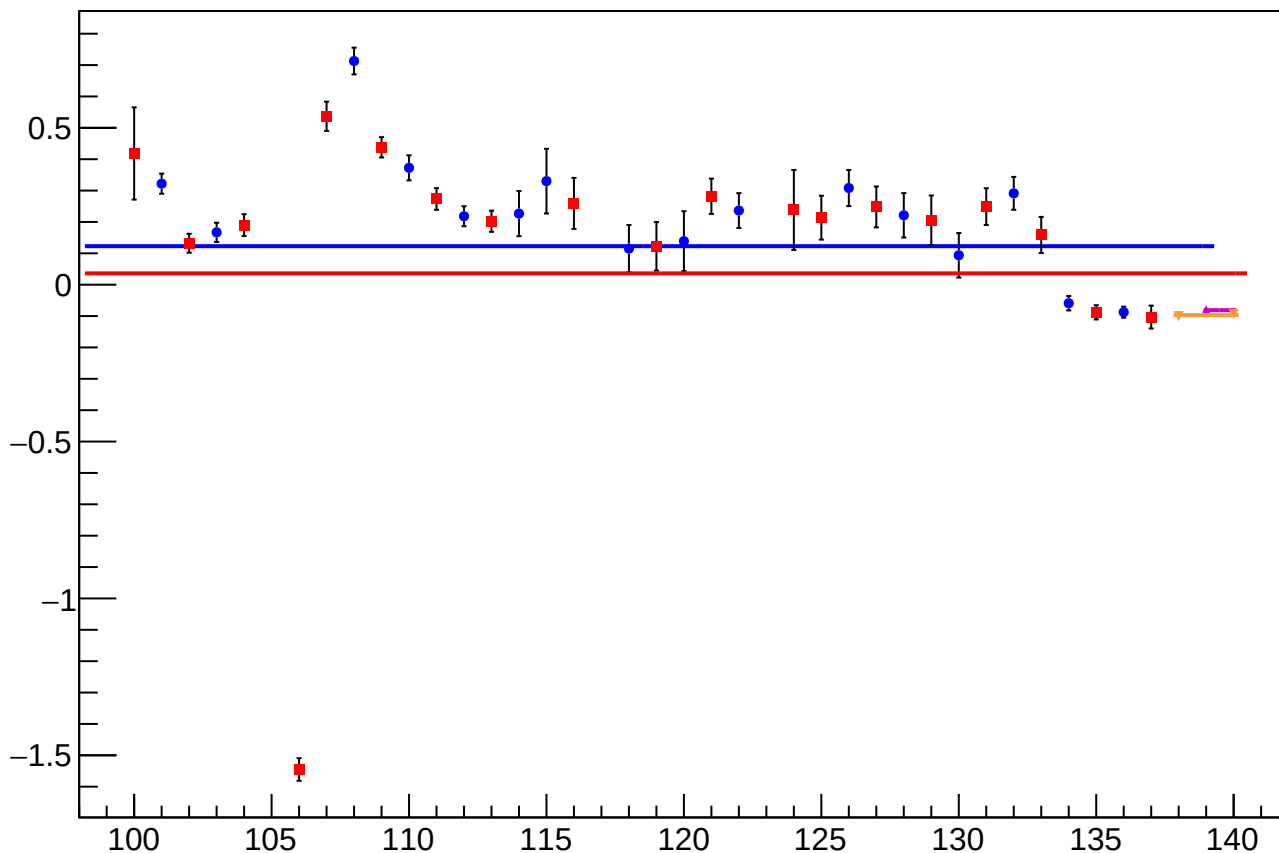
Left In: 21.149 $\pm$ 0.688 χ^2 /NDF: 0.0/0

+ sign 18.745 $\pm$ 0.143 χ^2 /NDF: 7292.6/17

All: 16.180 $\pm$ 0.110 χ^2 /NDF: 14340.8/37

- sign 12.526 $\pm$ 0.171 χ^2 /NDF: 6273.2/19

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.123 $\pm$ 0.009 χ^2 /NDF: 520.0/15

Left Out: -0.097 $\pm$ 0.011 χ^2 /NDF: 0.1/1

Right Out: 0.036 $\pm$ 0.010 χ^2 /NDF: 2414.7/18

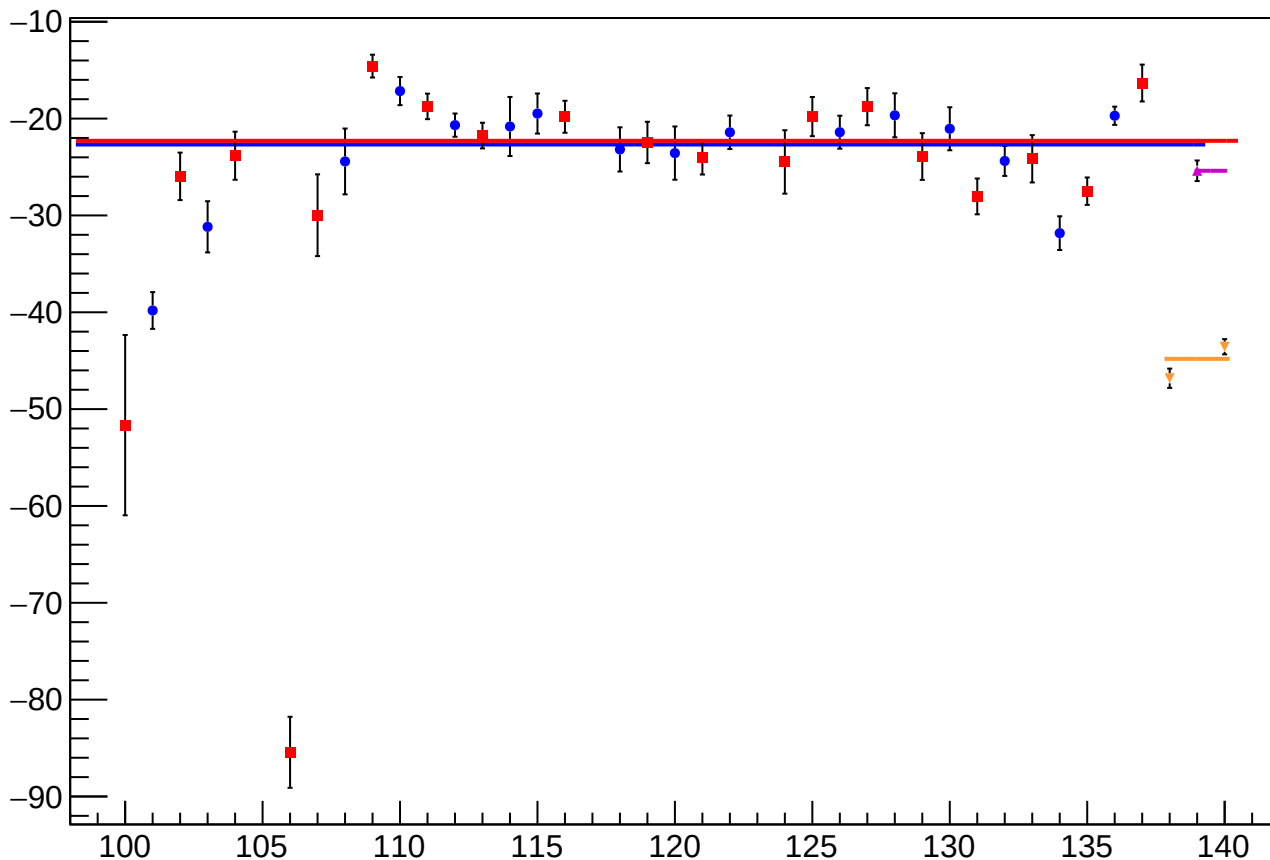
Left In: -0.081 $\pm$ 0.015 χ^2 /NDF: 0.0/0

+ sign 0.028 $\pm$ 0.007 χ^2 /NDF: 754.1/17

All: 0.016 $\pm$ 0.005 χ^2 /NDF: 3219.7/37

- sign 0.000 $\pm$ 0.008 χ^2 /NDF: 2458.8/19

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: -44.809 ± 0.617 χ^2/NDF : 6.6/1

Right Out: -22.295 ± 0.435 χ^2/NDF : 405.5/18

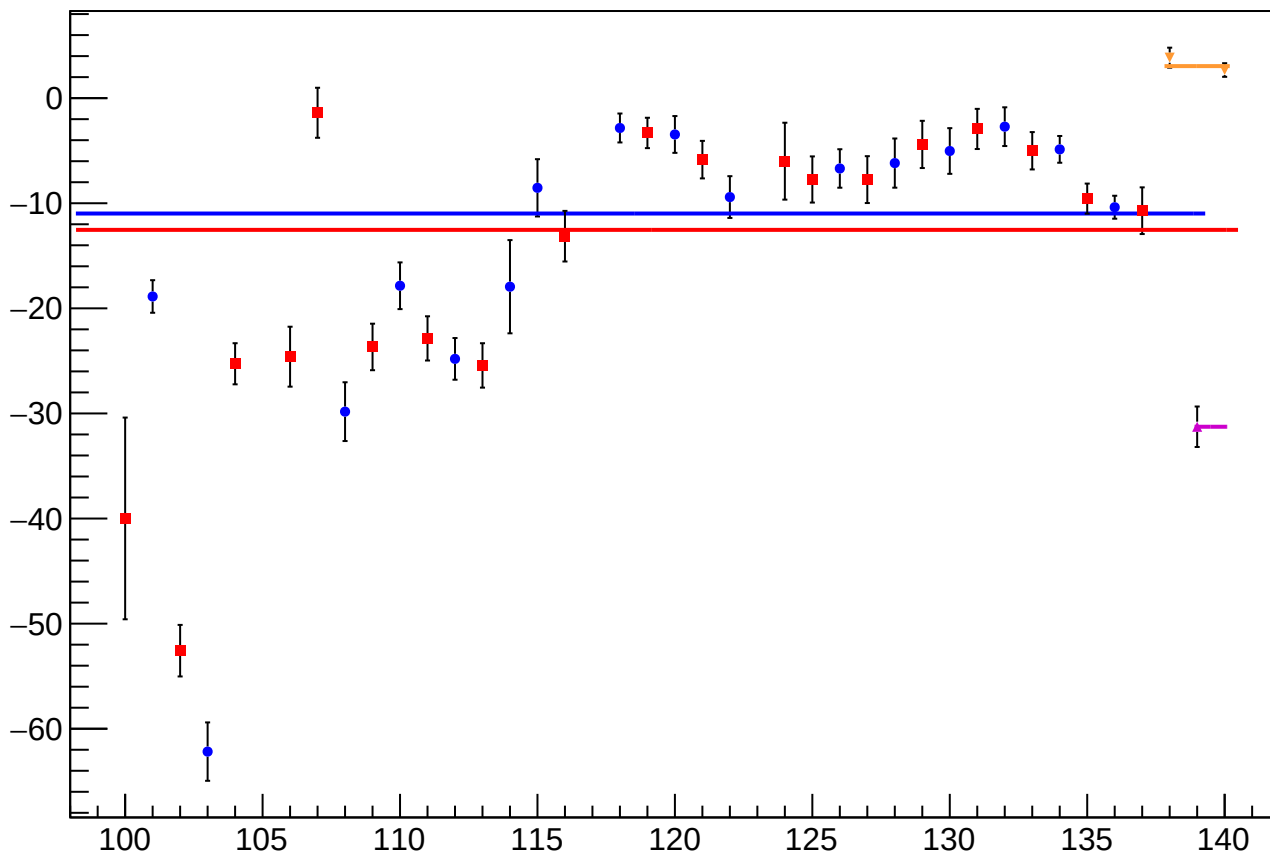
Left In: -25.388 ± 1.063 χ^2/NDF : 0.0/0

+ sign -30.006 ± 0.355 χ^2/NDF : 1020.4/17

All: -26.825 ± 0.266 χ^2/NDF : 1616.2/37

- sign -22.739 ± 0.403 χ^2/NDF : 412.7/19

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: 3.048 ± 0.536 χ^2/NDF : 1.0/1

Right Out: -12.533 ± 0.481 χ^2/NDF : 572.3/18

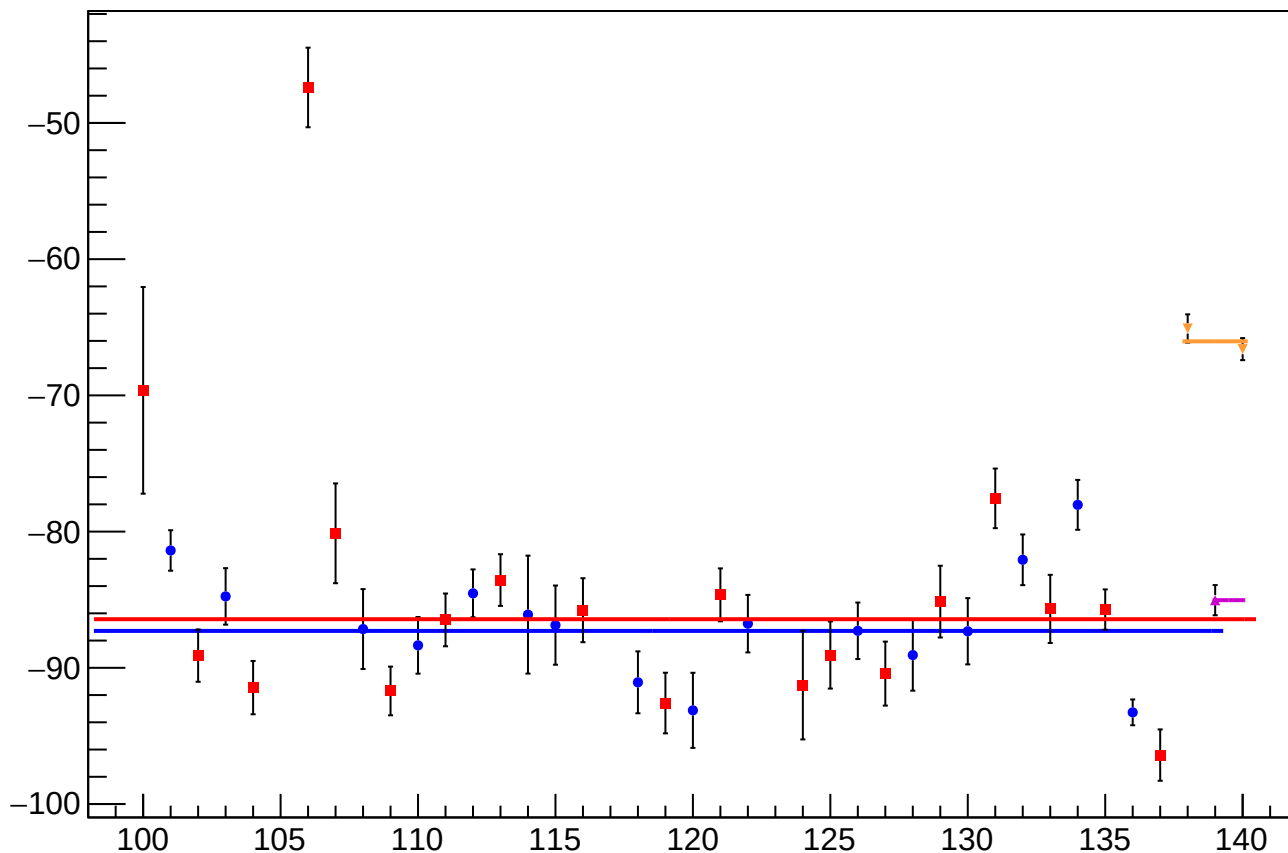
Left In: -31.266 ± 1.926 χ^2/NDF : 0.0/0

+ sign -5.128 ± 0.346 χ^2/NDF : 987.6/17

All: -8.145 ± 0.278 χ^2/NDF : 1863.3/37

- sign -13.634 ± 0.467 χ^2/NDF : 661.4/19

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291 ± 0.481 χ^2/NDF : 101.2/15

Left Out: -66.032 ± 0.638 χ^2/NDF : 1.3/1

Right Out: -86.431 ± 0.506 χ^2/NDF : 264.8/18

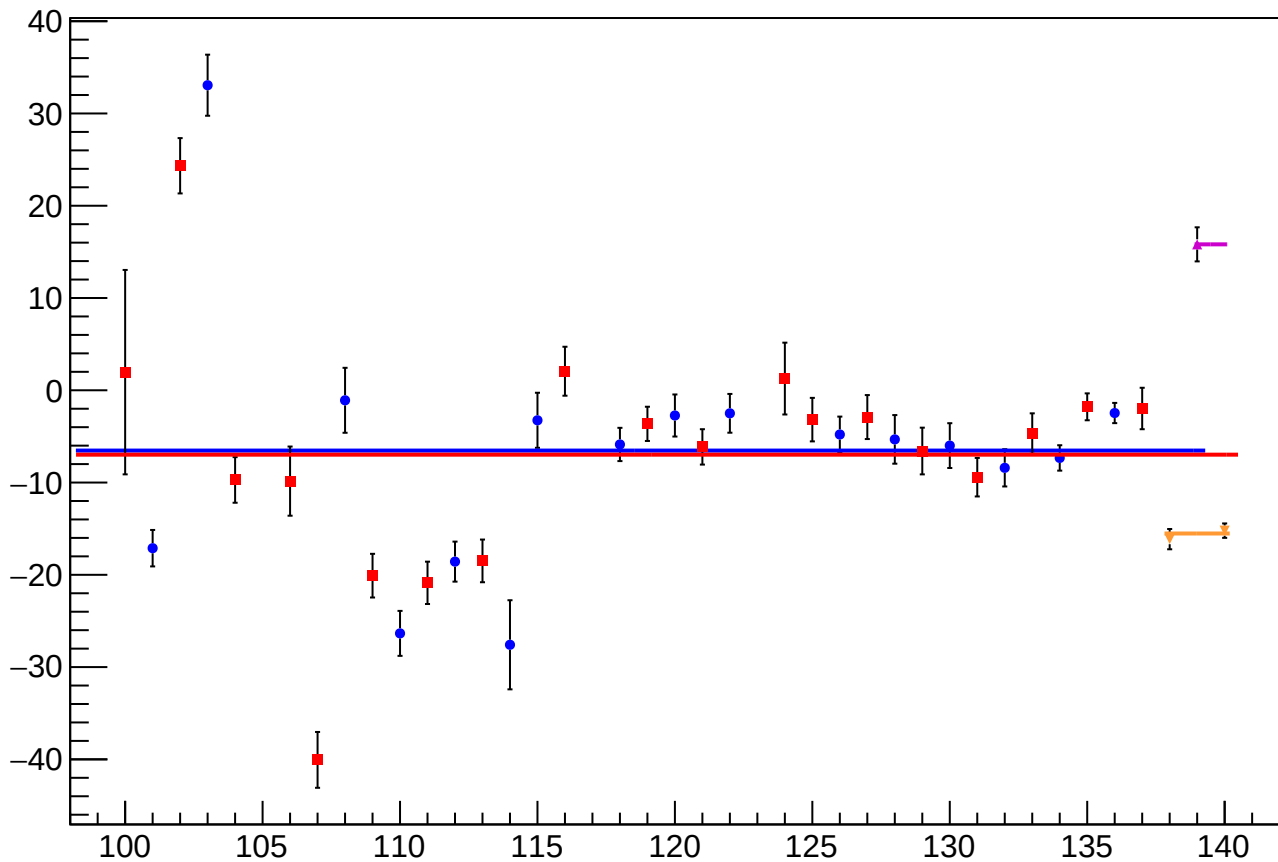
Left In: -85.034 ± 1.107 χ^2/NDF : 0.0/0

+ sign -79.600 ± 0.384 χ^2/NDF : 810.4/17

All: -82.305 ± 0.295 χ^2/NDF : 1197.4/37

- sign -86.190 ± 0.460 χ^2/NDF : 266.2/19

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535 $\pm$ 0.508 χ^2 /NDF: 313.9/15

Left Out: -15.522 $\pm$ 0.637 χ^2 /NDF: 0.5/1

Right Out: -6.979 $\pm$ 0.542 χ^2 /NDF: 368.3/18

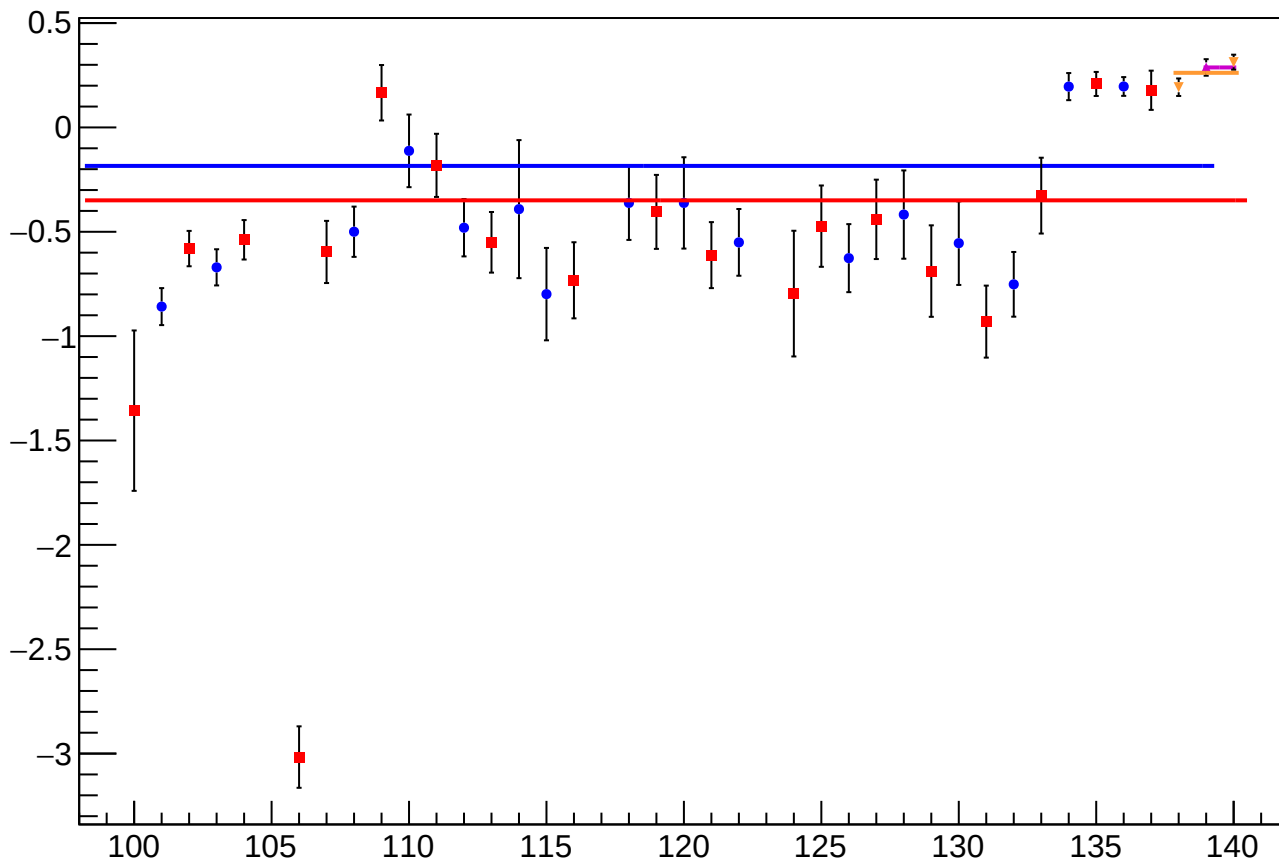
Left In: 15.815 $\pm$ 1.847 χ^2 /NDF: 0.0/0

+ sign -10.030 $\pm$ 0.397 χ^2 /NDF: 436.2/17

All: -8.241 $\pm$ 0.316 χ^2 /NDF: 999.8/37

- sign -5.174 $\pm$ 0.520 χ^2 /NDF: 508.5/19

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: 0.262 ± 0.027 χ^2/NDF : 4.7/1

Right Out: -0.349 ± 0.029 χ^2/NDF : 516.5/18

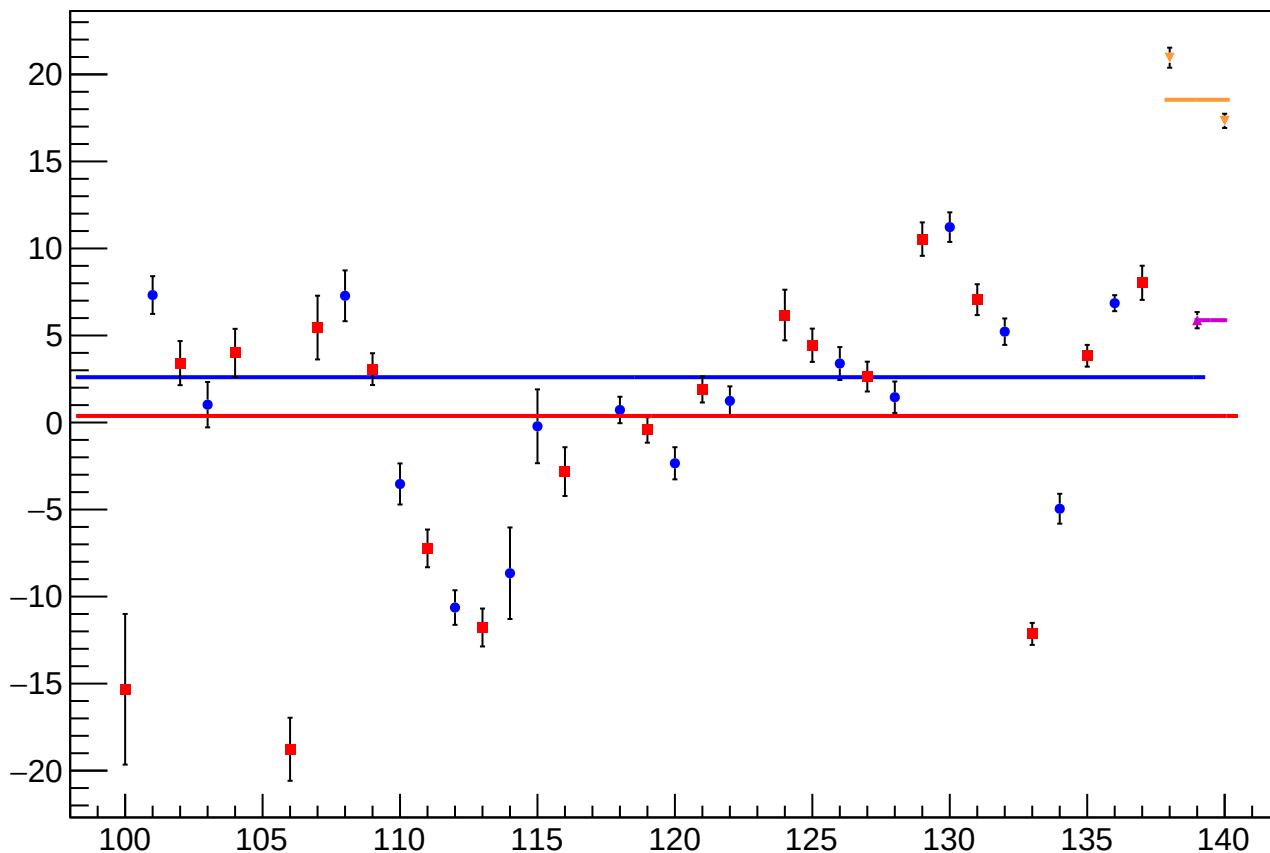
Left In: 0.287 ± 0.040 χ^2/NDF : 0.0/0

+ sign 0.034 ± 0.019 χ^2/NDF : 387.9/17

All: -0.029 ± 0.015 χ^2/NDF : 1098.3/37

- sign -0.124 ± 0.024 χ^2/NDF : 683.3/19

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604 ± 0.224 χ^2/NDF : 573.1/15

Left Out: 18.542 ± 0.333 χ^2/NDF : 26.4/1

Right Out: 0.377 ± 0.222 χ^2/NDF : 1030.9/18

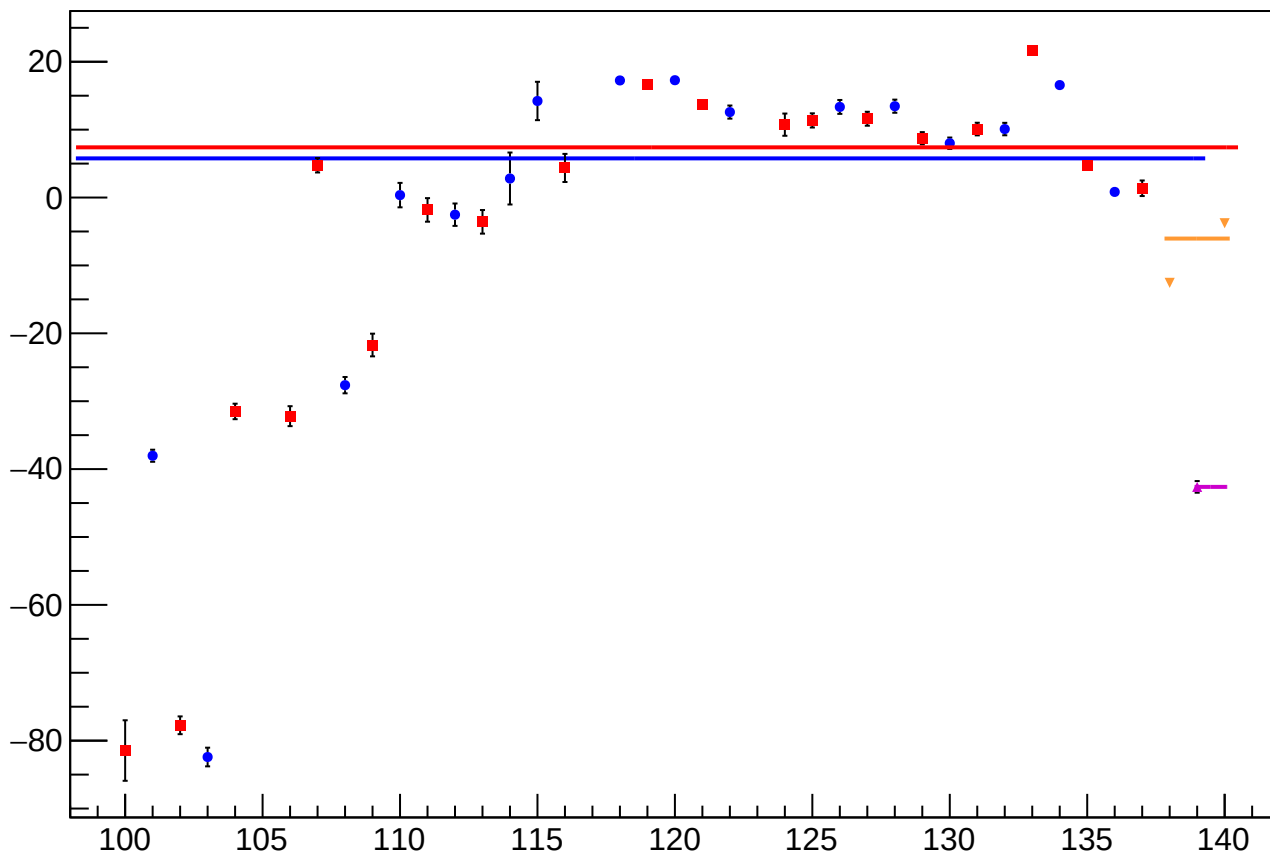
Left In: 5.879 ± 0.467 χ^2/NDF : 0.0/0

+ sign 7.567 ± 0.186 χ^2/NDF : 2174.7/17

All: 4.715 ± 0.136 χ^2/NDF : 3828.0/37

- sign 1.393 ± 0.201 χ^2/NDF : 1144.1/19

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768 ± 0.210 χ^2/NDF : 8933.8/15

Left Out: -6.043 ± 0.295 χ^2/NDF : 169.0/1

Right Out: 7.393 ± 0.209 χ^2/NDF : 8390.6/18

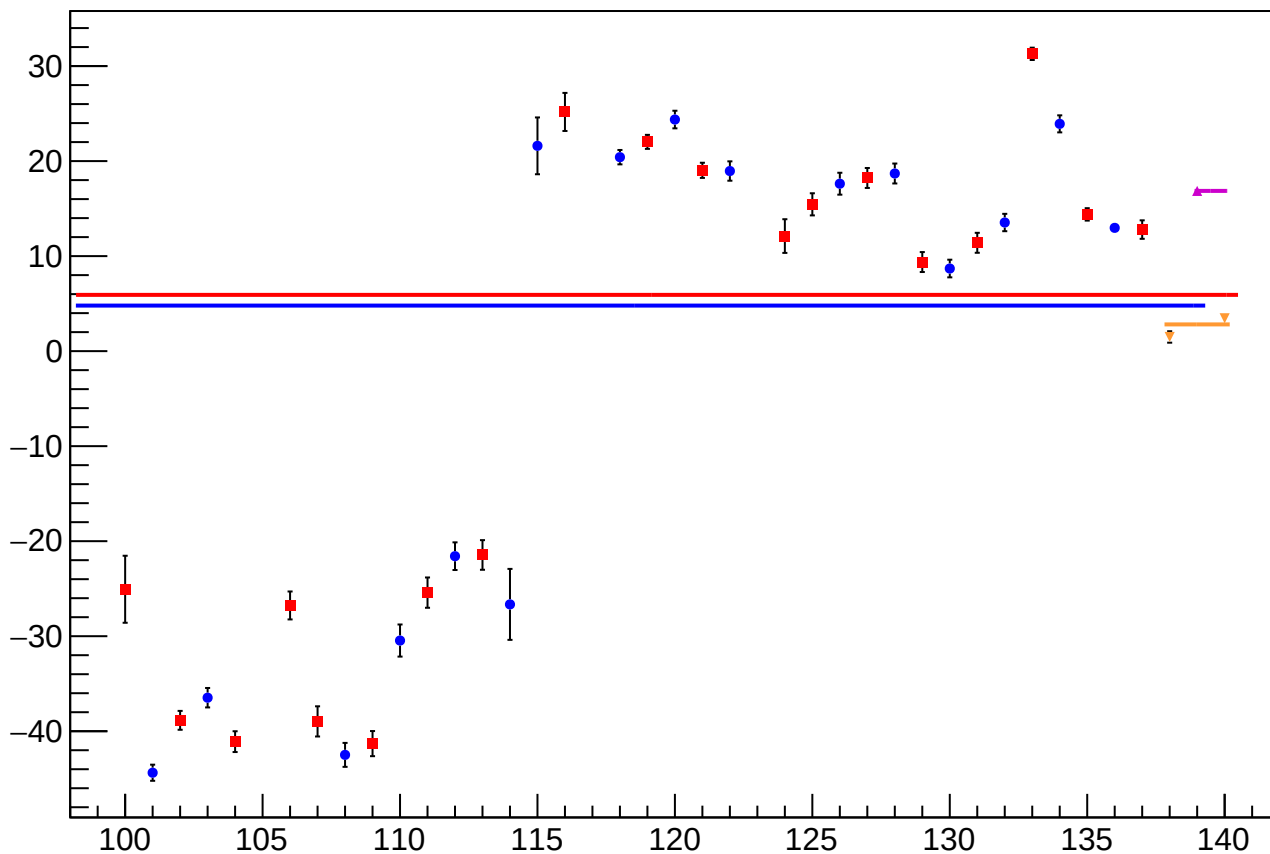
Left In: -42.620 ± 0.859 χ^2/NDF : 0.0/0

+ sign 1.803 ± 0.171 χ^2/NDF : 10166.9/17

All: 2.965 ± 0.131 χ^2/NDF : 21873.0/37

- sign 4.601 ± 0.203 χ^2/NDF : 11594.8/19

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794 $\pm$ 0.237 χ^2 /NDF: 9496.9/15

Left Out: 2.813 $\pm$ 0.344 χ^2 /NDF: 7.2/1

Right Out: 5.921 $\pm$ 0.240 χ^2 /NDF: 10059.4/18

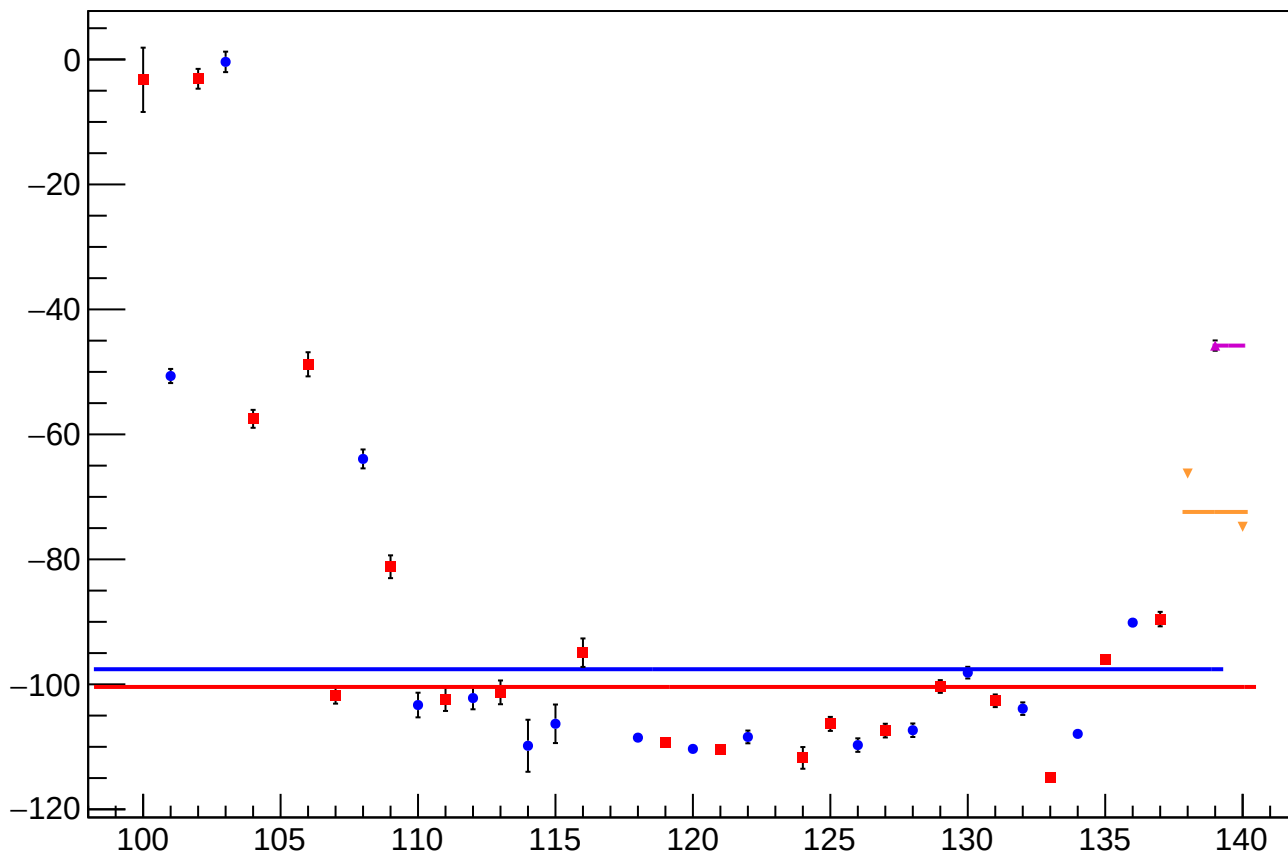
Left In: 16.863 $\pm$ 0.485 χ^2 /NDF: 0.0/0

+ sign 4.156 $\pm$ 0.195 χ^2 /NDF: 9526.5/17

All: 5.927 $\pm$ 0.145 χ^2 /NDF: 20175.8/37

- sign 8.070 $\pm$ 0.215 χ^2 /NDF: 10468.0/19

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581 ± 0.242 $\chi^2/\text{NDF}: 7144.2/15$

Left Out: -72.412 ± 0.349 $\chi^2/\text{NDF}: 119.5/1$

Right Out: -100.418 ± 0.241 $\chi^2/\text{NDF}: 7115.7/18$

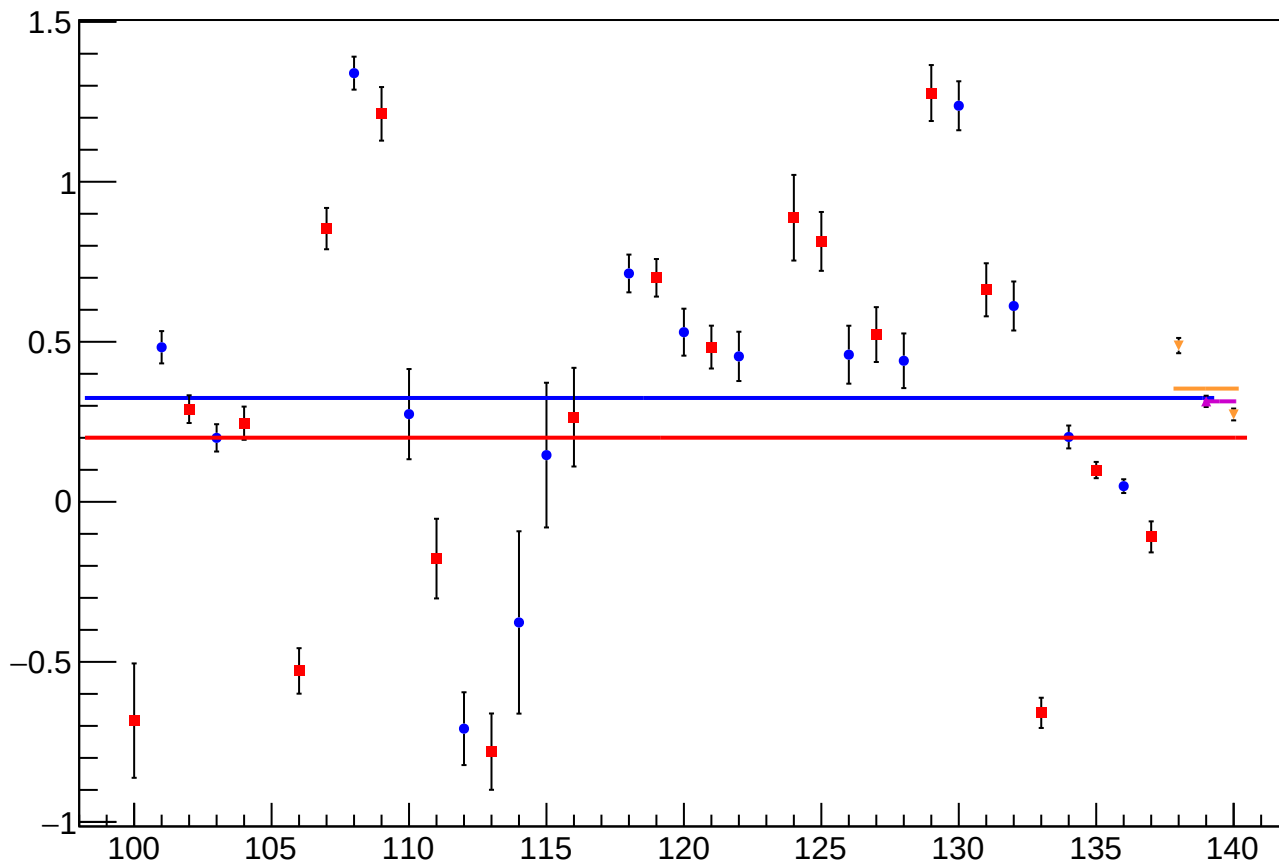
Left In: -45.790 ± 0.825 $\chi^2/\text{NDF}: 0.0/0$

+ sign -89.433 ± 0.199 $\chi^2/\text{NDF}: 10774.4/17$

All: -92.274 ± 0.151 $\chi^2/\text{NDF}: 22412.8/37$

- sign -96.121 ± 0.231 $\chi^2/\text{NDF}: 11157.5/19$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324 $\pm$ 0.013 χ^2 /NDF: 886.5/15

Left Out: 0.354 $\pm$ 0.015 χ^2 /NDF:50.7/1

Right Out: 0.200 $\pm$ 0.014 χ^2 /NDF: 1206.3/18

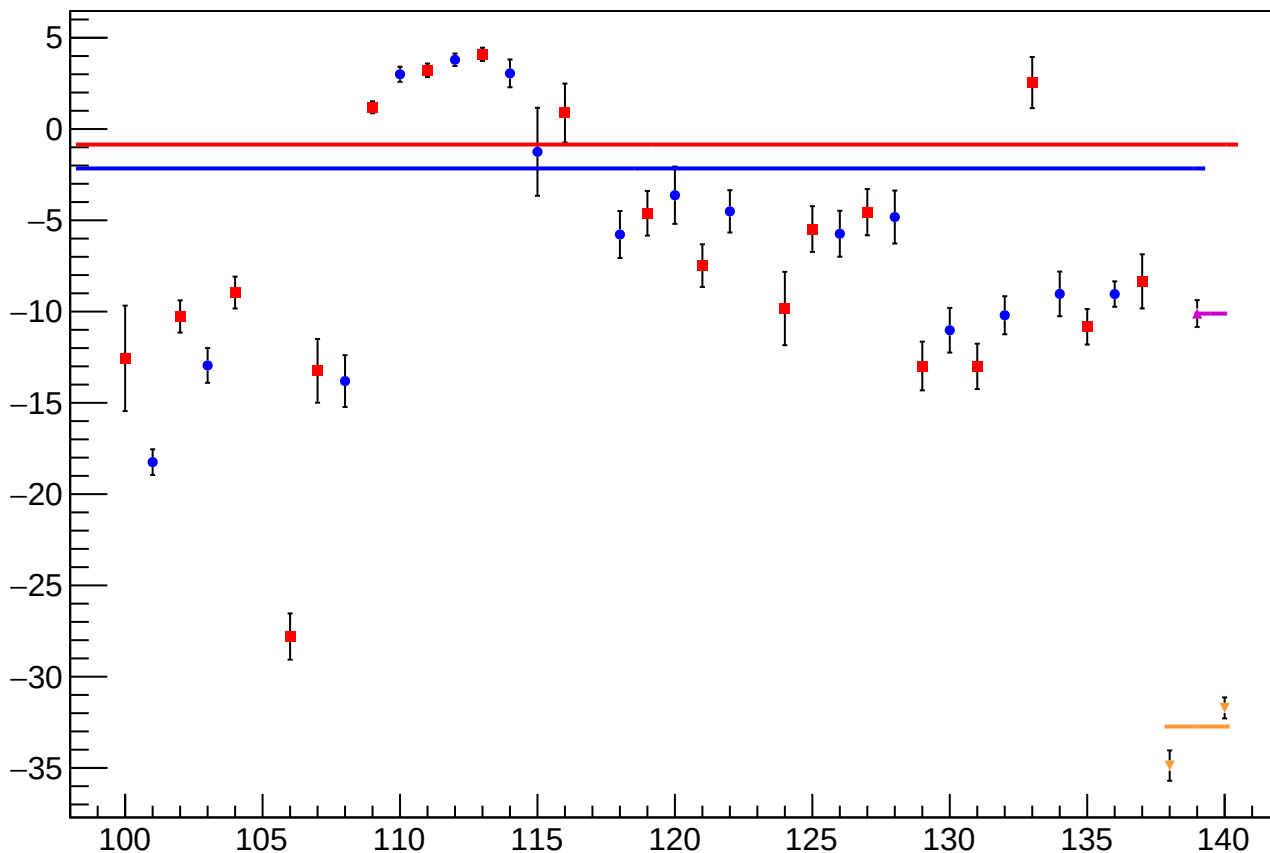
Left In: 0.314 $\pm$ 0.018 χ^2 /NDF:0.0/0

+ sign 0.338 $\pm$ 0.010 χ^2 /NDF: 939.5/17

All: 0.295 $\pm$ 0.007 χ^2 /NDF: 2212.4/37

- sign 0.244 $\pm$ 0.011 χ^2 /NDF: 1231.9/19

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159 ± 0.192 χ^2/NDF : 1491.0/15

Left Out: -32.731 ± 0.473 χ^2/NDF : 9.8/1

Right Out: -0.848 ± 0.170 χ^2/NDF : 1465.4/18

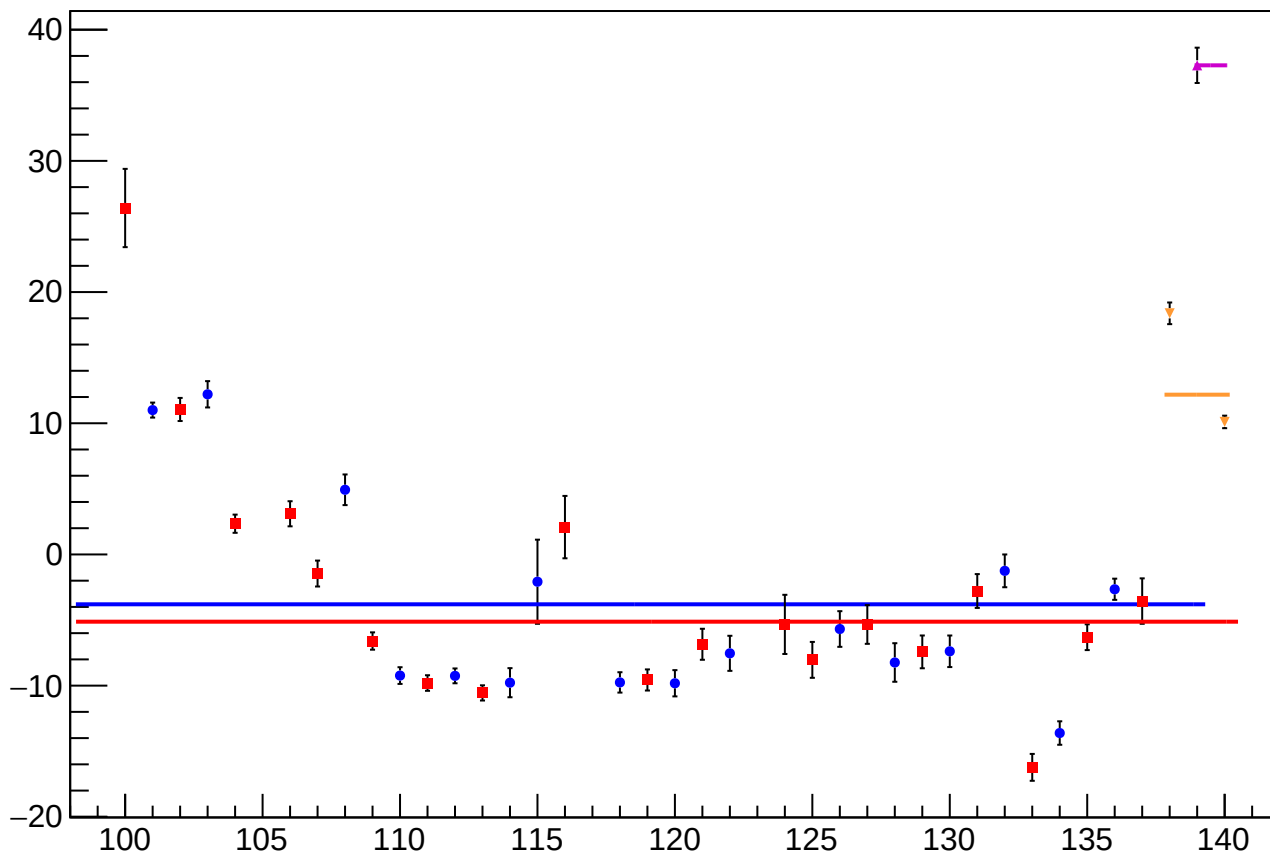
Left In: -10.109 ± 0.736 χ^2/NDF : 0.0/0

+ sign -6.490 ± 0.178 χ^2/NDF : 5093.2/17

All: -3.727 ± 0.121 χ^2/NDF : 7160.6/37

- sign -1.319 ± 0.166 χ^2/NDF : 1615.7/19

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800 ± 0.226 χ^2/NDF : 1425.5/15

Left Out: 12.179 ± 0.413 χ^2/NDF : 75.4/1

Right Out: -5.126 ± 0.219 χ^2/NDF : 980.6/18

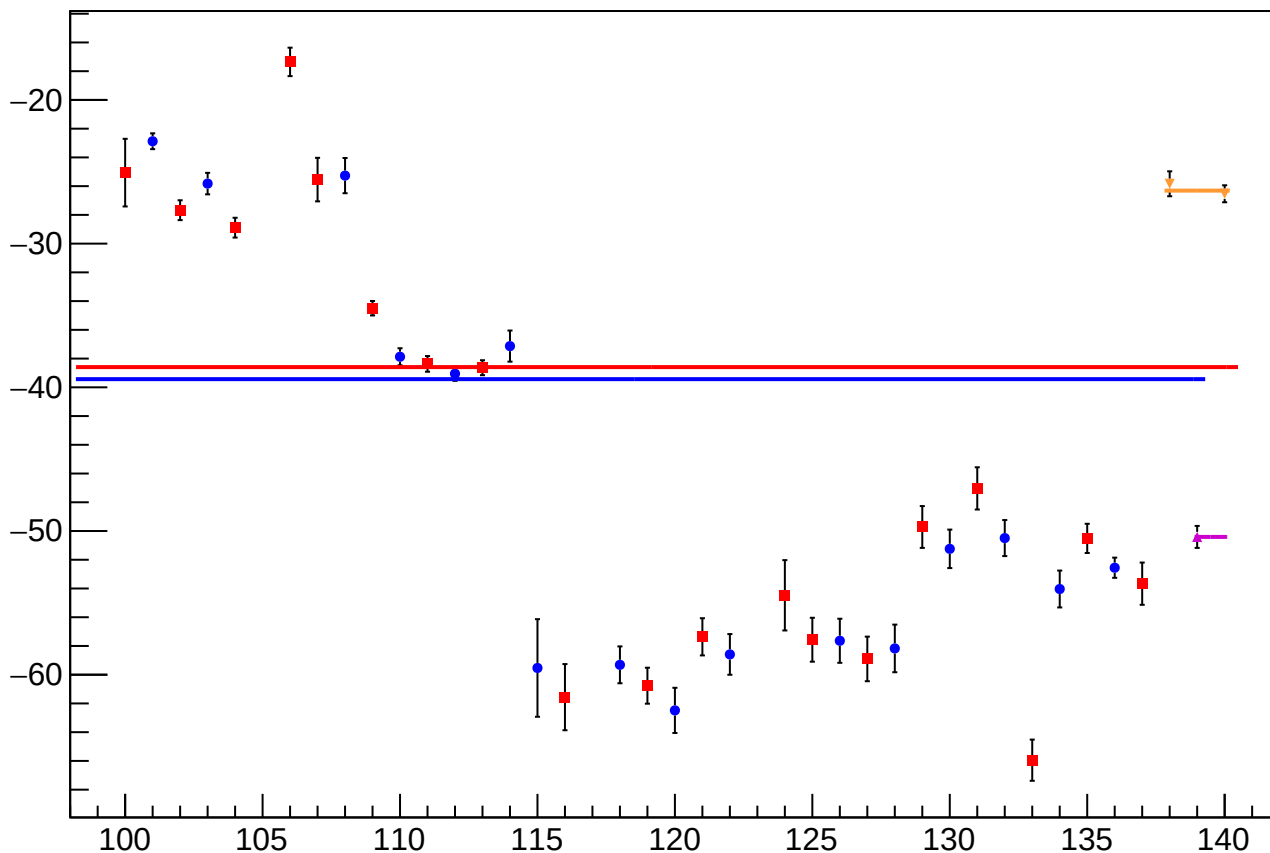
Left In: 37.283 ± 1.346 χ^2/NDF : 0.0/0

+ sign -0.131 ± 0.198 χ^2/NDF : 2652.0/17

All: -1.915 ± 0.146 χ^2/NDF : 4777.2/37

- sign -4.035 ± 0.216 χ^2/NDF : 1947.7/19

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431 ± 0.225 χ^2/NDF : 2958.1/15

Left Out: -26.311 ± 0.488 χ^2/NDF : 0.4/1

Right Out: -38.593 ± 0.213 χ^2/NDF : 2772.1/18

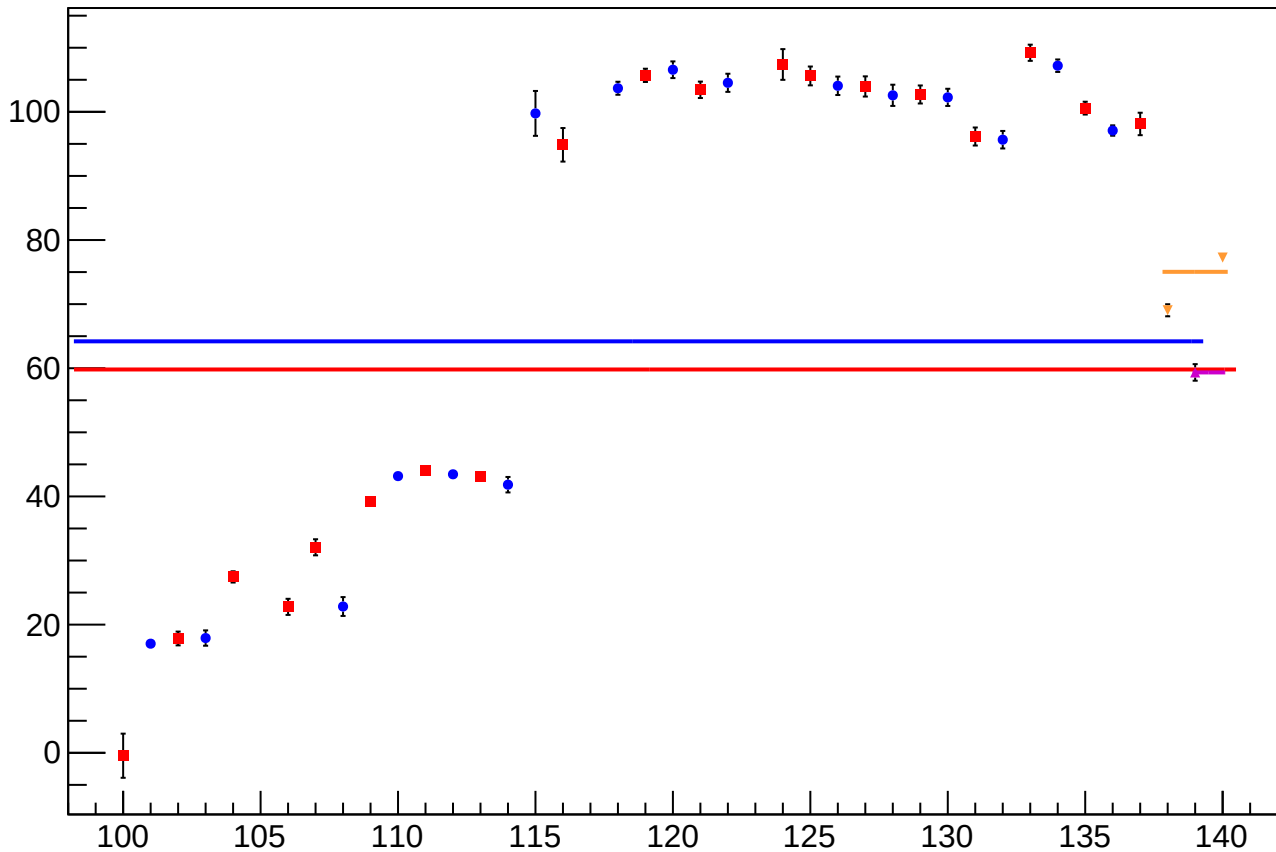
Left In: -50.411 ± 0.765 χ^2/NDF : 0.0/0

+ sign -37.126 ± 0.205 χ^2/NDF : 3553.7/17

All: -38.282 ± 0.145 χ^2/NDF : 6610.9/37

- sign -39.439 ± 0.205 χ^2/NDF : 2993.4/19

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF : 18596.4/15

Left Out: 75.039+/-0.490 χ^2/NDF : 55.5/1

Right Out: 59.805+/-0.249 χ^2/NDF : 17431.2/18

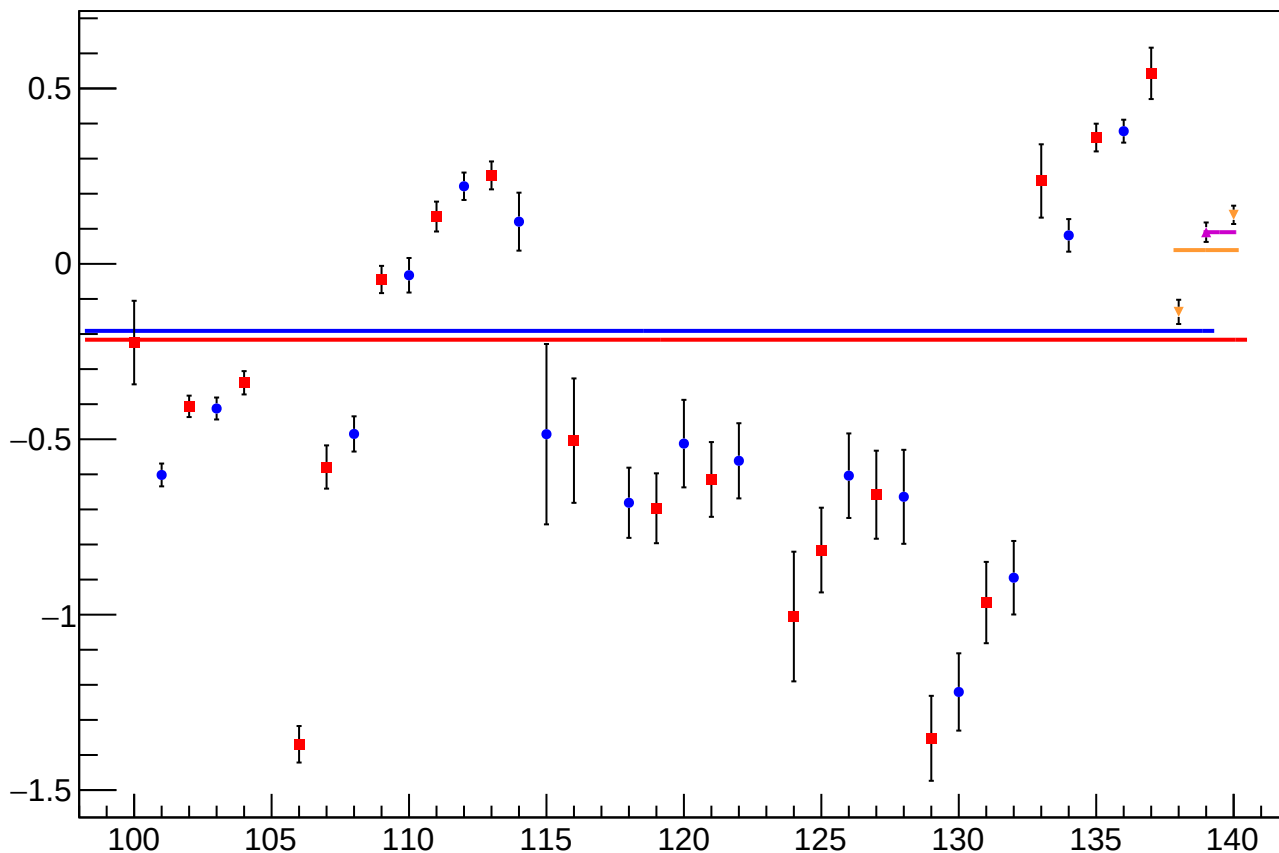
Left In: 59.346+/-1.292 χ^2/NDF : 0.0/0

+ sign 66.540+/-0.228 χ^2/NDF : 19035.3/17

All: 63.397+/-0.167 χ^2/NDF : 36874.8/37

- sign 59.789+/-0.244 χ^2/NDF : 17431.3/19

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191 ± 0.013 χ^2/NDF : 918.3/15

Left Out: 0.039 ± 0.021 χ^2/NDF : 40.8/1

Right Out: -0.216 ± 0.013 χ^2/NDF : 1368.1/18

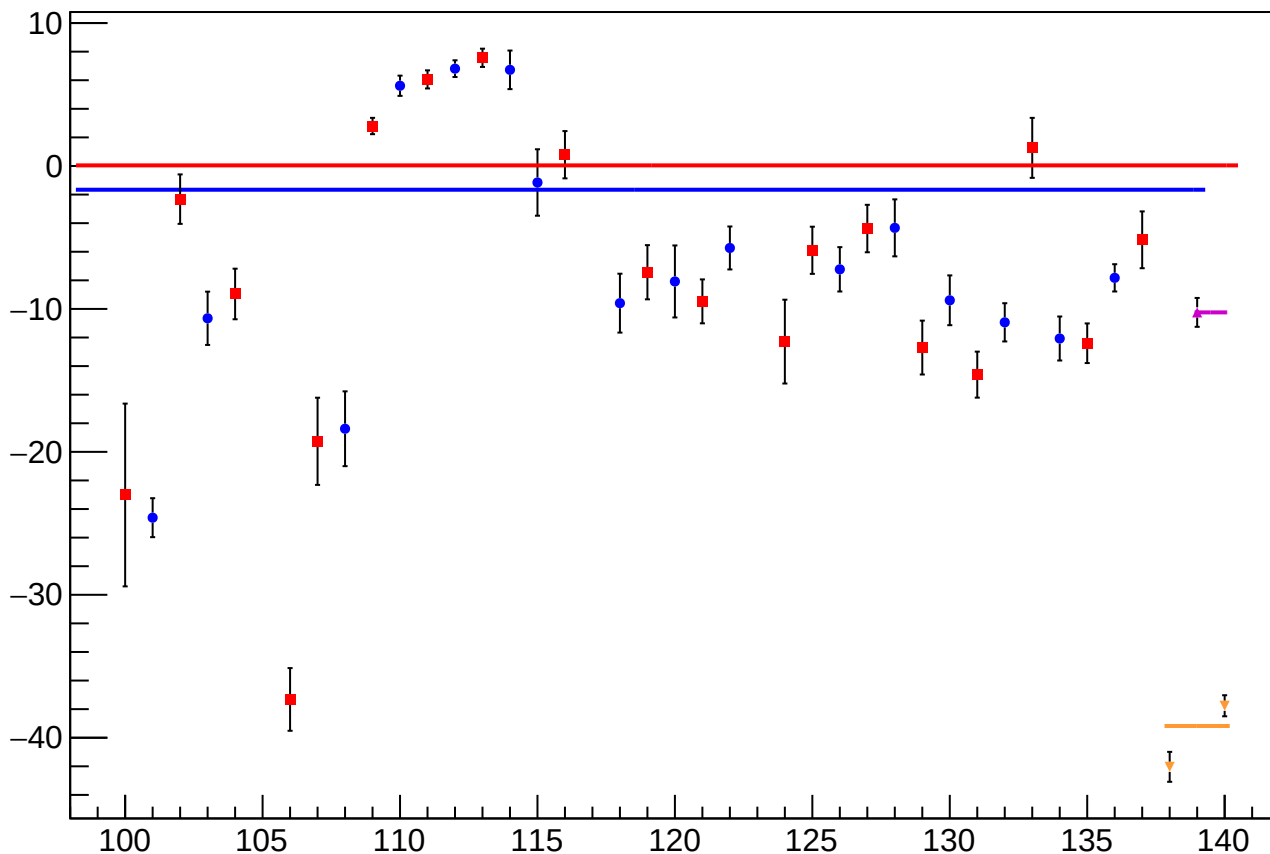
Left In: 0.090 ± 0.028 χ^2/NDF : 0.0/0

+ sign -0.123 ± 0.011 χ^2/NDF : 1045.4/17

All: -0.142 ± 0.008 χ^2/NDF : 2519.5/37

- sign -0.161 ± 0.012 χ^2/NDF : 1468.6/19

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661 ± 0.308 $\chi^2/\text{NDF}: 900.3/15$

Left Out: -39.178 ± 0.602 $\chi^2/\text{NDF}: 11.1/1$

Right Out: 0.042 ± 0.282 $\chi^2/\text{NDF}: 931.1/18$

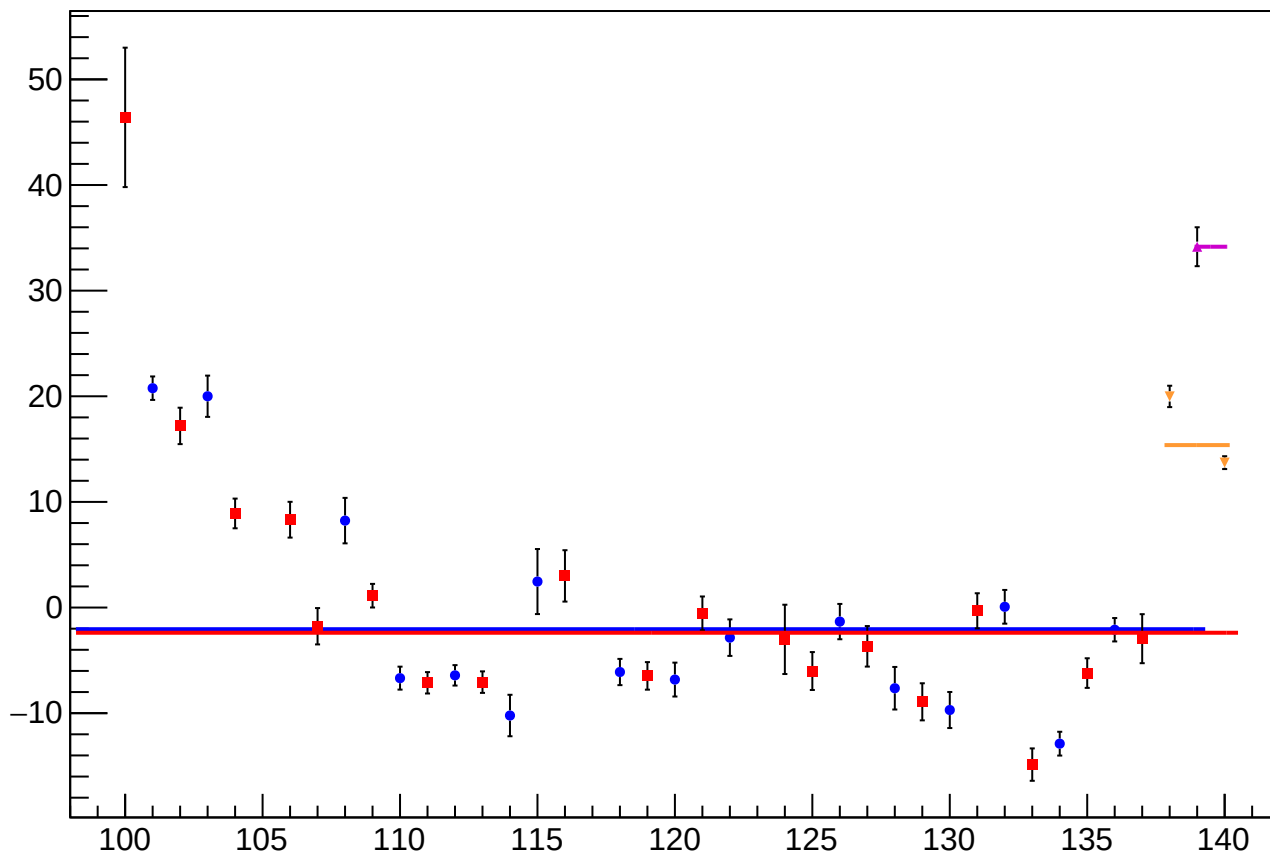
Left In: -10.242 ± 1.010 $\chi^2/\text{NDF}: 0.0/0$

+ sign -9.437 ± 0.274 $\chi^2/\text{NDF}: 3985.5/17$

All: -5.025 ± 0.193 $\chi^2/\text{NDF}: 5525.2/37$

- sign -0.700 ± 0.272 $\chi^2/\text{NDF}: 1027.2/19$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050 ± 0.356 χ^2/NDF : 771.9/15

Left Out: 15.380 ± 0.521 χ^2/NDF : 28.2/1

Right Out: -2.386 ± 0.355 χ^2/NDF : 450.9/18

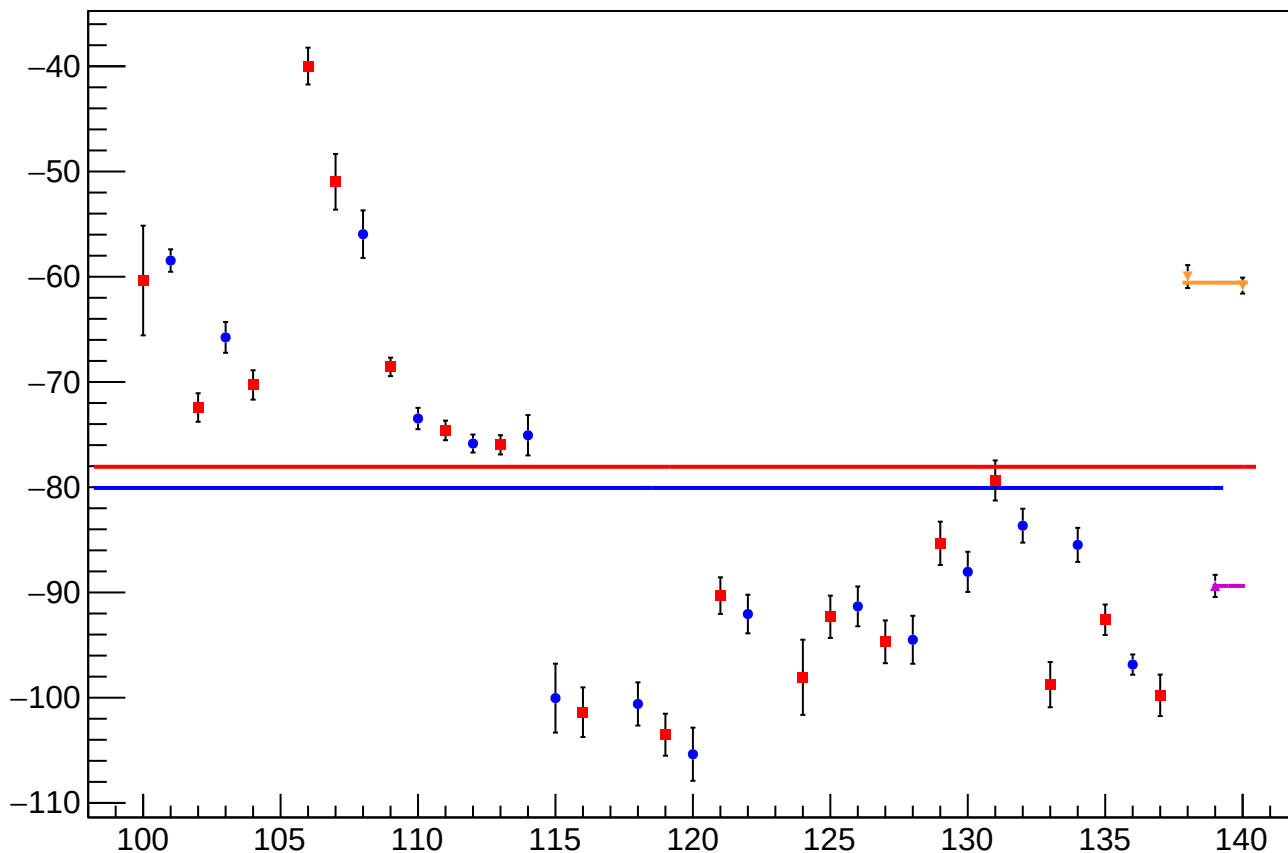
Left In: 34.158 ± 1.843 χ^2/NDF : 0.0/0

+ sign 3.500 ± 0.294 χ^2/NDF : 1562.7/17

All: 1.600 ± 0.225 χ^2/NDF : 2493.5/37

- sign -1.076 ± 0.349 χ^2/NDF : 830.2/19

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069 ± 0.364 χ^2/NDF : 1387.2/15

Left Out: -60.563 ± 0.622 χ^2/NDF : 0.4/1

Right Out: -78.059 ± 0.354 χ^2/NDF : 1561.2/18

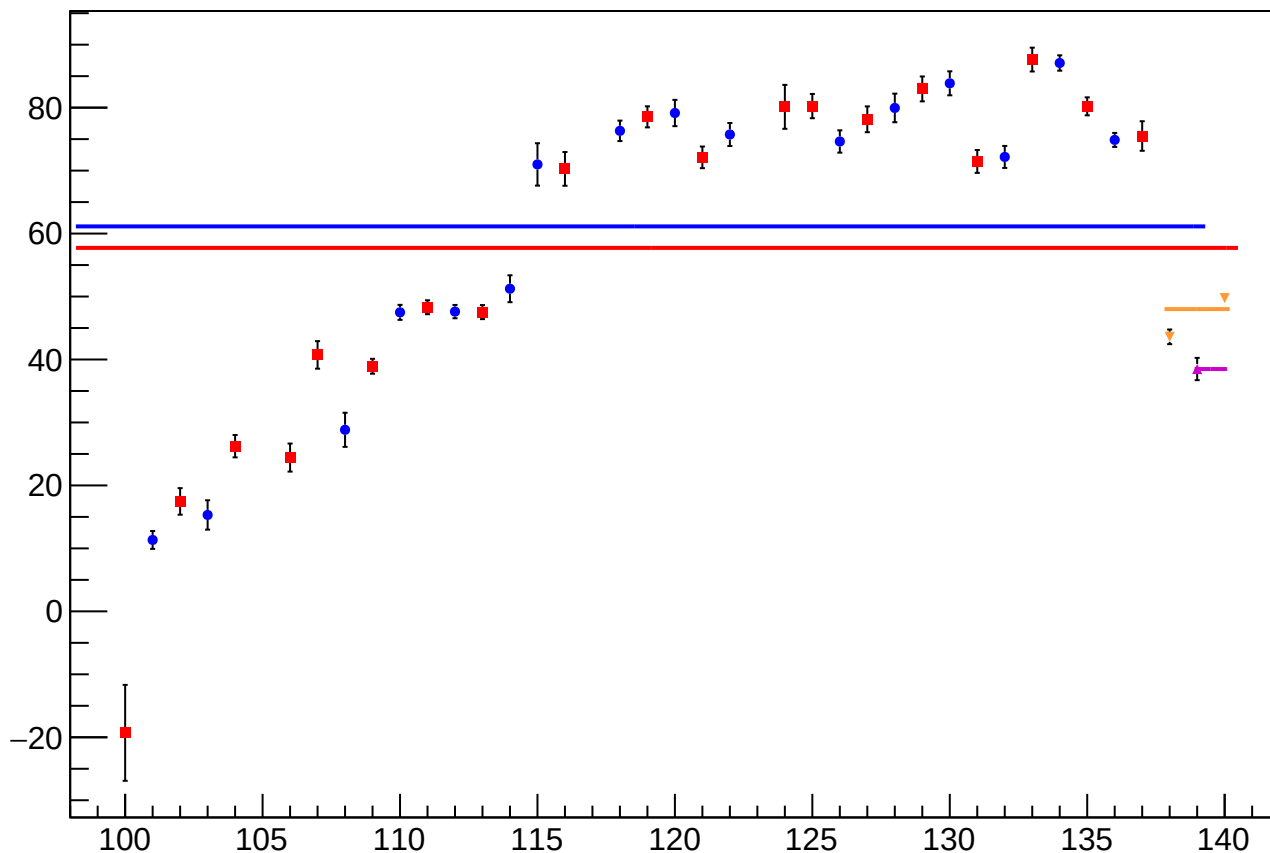
Left In: -89.379 ± 1.051 χ^2/NDF : 0.0/0

+ sign -75.090 ± 0.314 χ^2/NDF : 2119.0/17

All: -77.019 ± 0.229 χ^2/NDF : 3864.7/37

- sign -79.209 ± 0.335 χ^2/NDF : 1665.4/19

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139 $\pm$ 0.401 χ^2 /NDF: 3229.3/15

Left Out: 48.005 $\pm$ 0.620 χ^2 /NDF: 20.0/1

Right Out: 57.728 $\pm$ 0.400 χ^2 /NDF: 2775.6/18

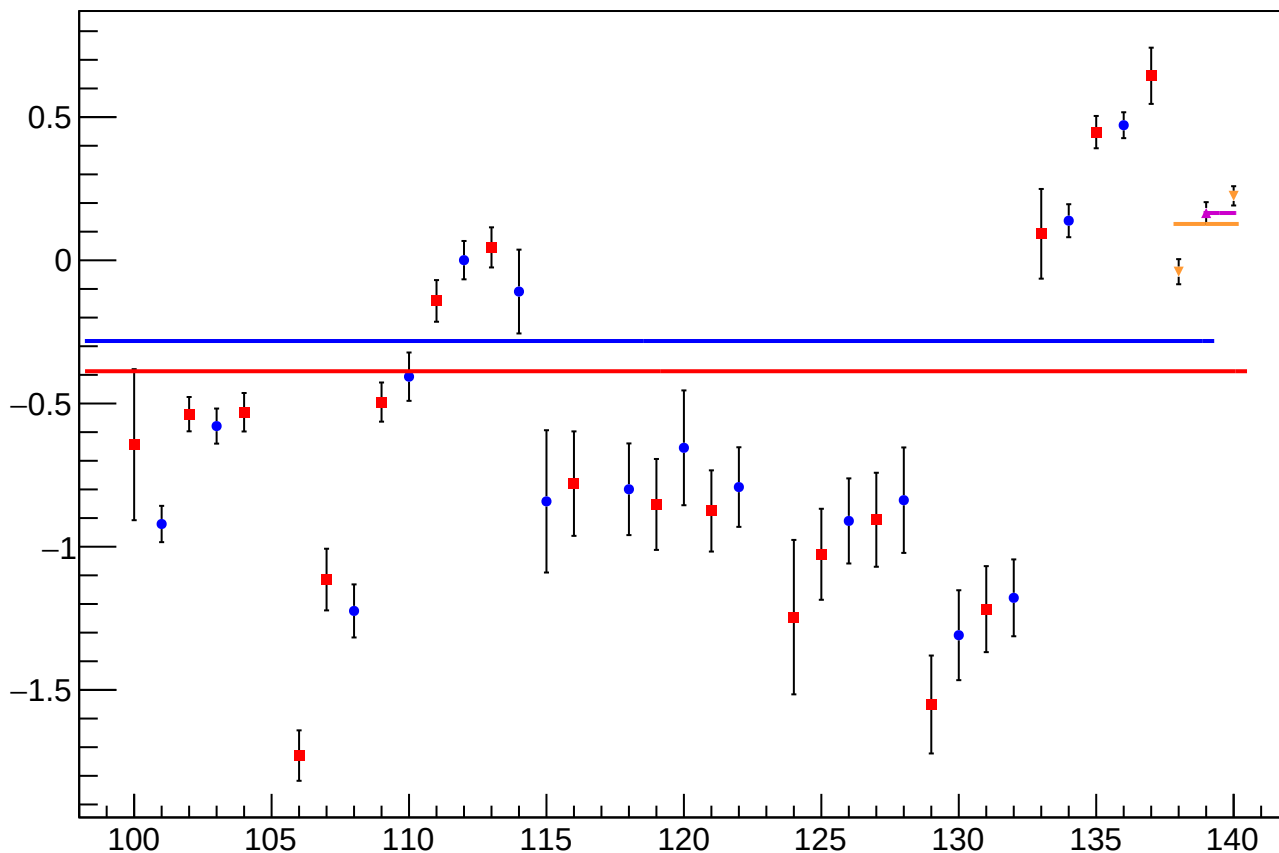
Left In: 38.487 $\pm$ 1.769 χ^2 /NDF: 0.0/0

+ sign 57.267 $\pm$ 0.336 χ^2 /NDF: 3566.2/17

All: 57.064 $\pm$ 0.255 χ^2 /NDF: 6455.3/37

- sign 56.791 $\pm$ 0.390 χ^2 /NDF: 2888.2/19

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282 ± 0.022 χ^2/NDF : 728.2/15

Left Out: 0.127 ± 0.027 χ^2/NDF : 23.0/1

Right Out: -0.387 ± 0.022 χ^2/NDF : 818.7/18

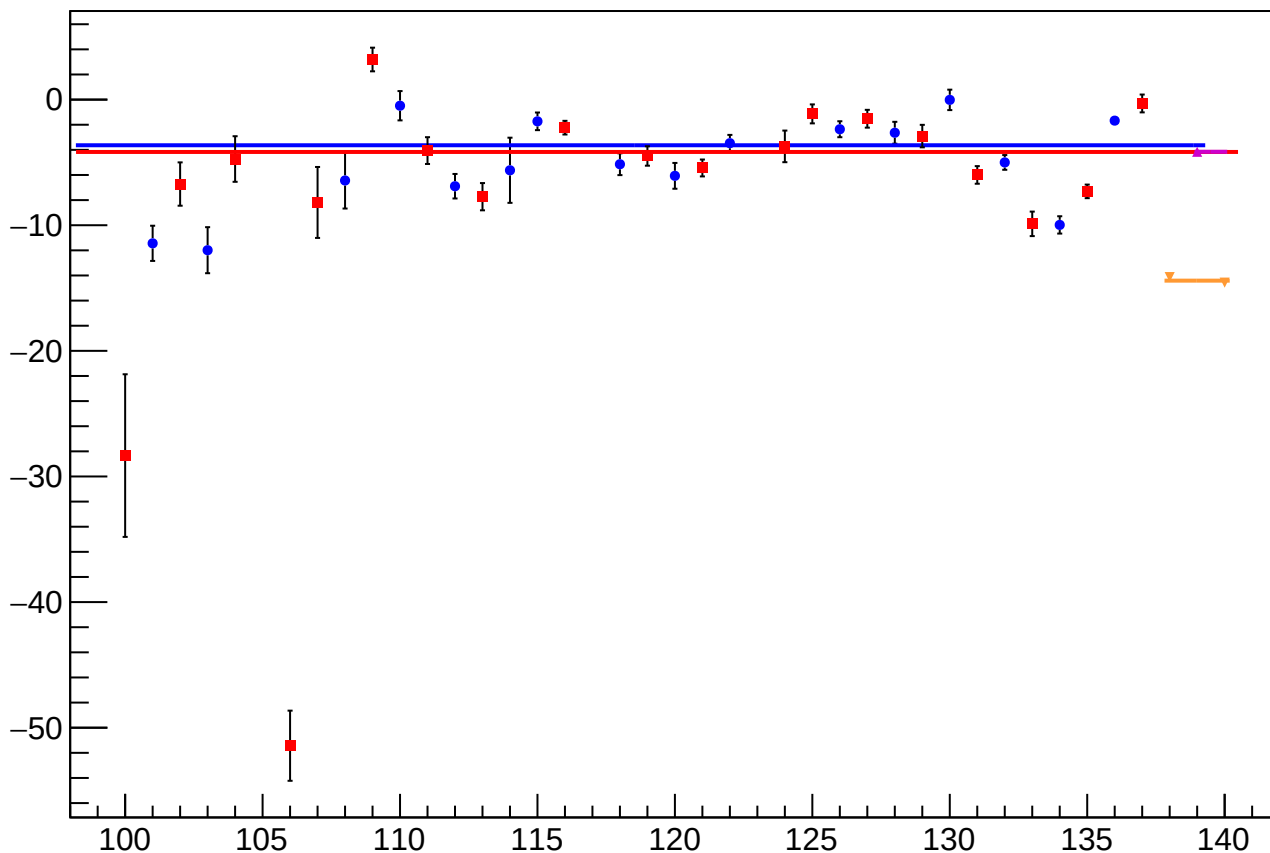
Left In: 0.165 ± 0.038 χ^2/NDF : 0.0/0

+ sign -0.120 ± 0.017 χ^2/NDF : 892.7/17

All: -0.177 ± 0.013 χ^2/NDF : 1896.6/37

- sign -0.249 ± 0.019 χ^2/NDF : 977.9/19

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634 ± 0.189 χ^2/NDF : 234.8/15

Left Out: -14.411 ± 0.213 χ^2/NDF : 1.0/1

Right Out: -4.167 ± 0.199 χ^2/NDF : 529.7/18

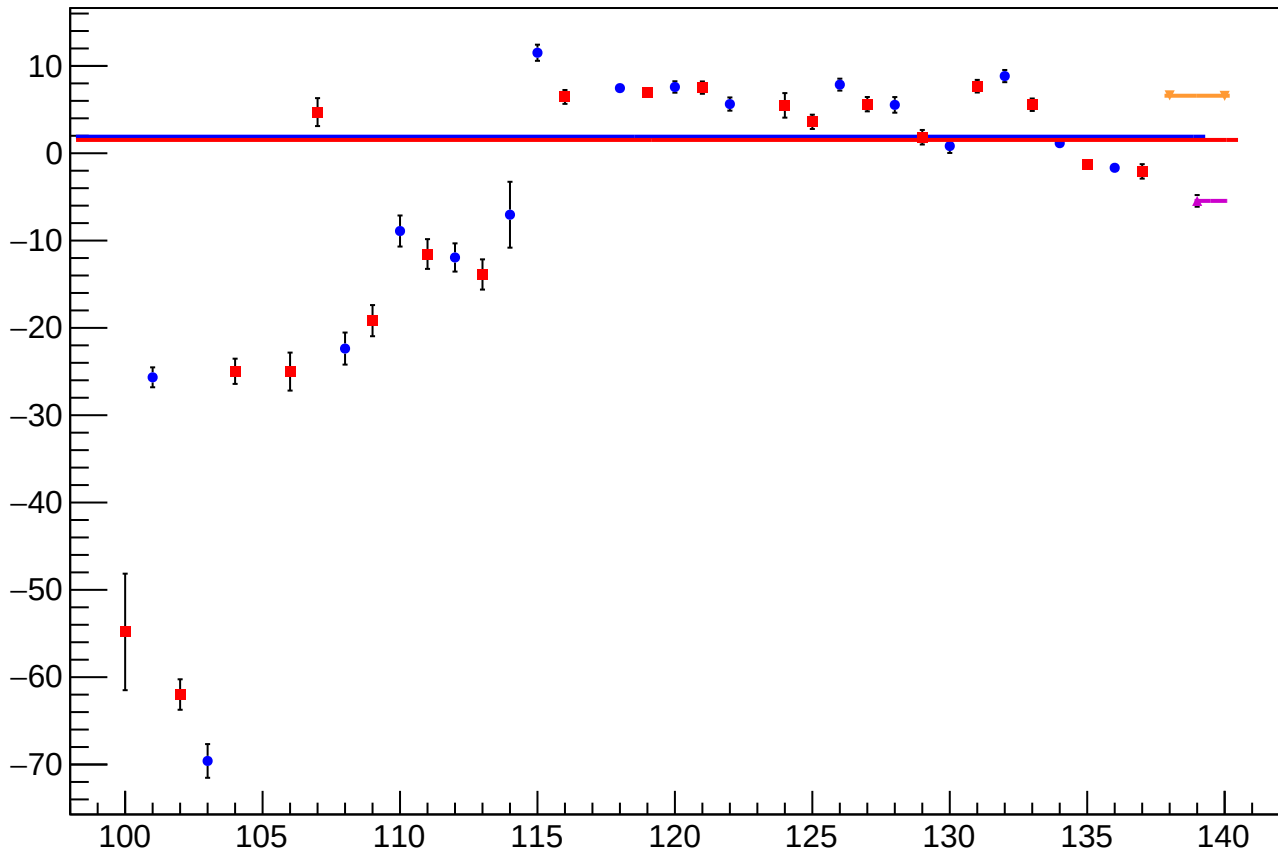
Left In: -4.153 ± 0.369 χ^2/NDF : 0.0/0

+ sign -8.386 ± 0.141 χ^2/NDF : 1668.8/17

All: -6.723 ± 0.110 χ^2/NDF : 2549.7/37

- sign -4.164 ± 0.175 χ^2/NDF : 529.7/19

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898 ± 0.189 χ^2/NDF : 2838.2/15

Left Out: 6.588 ± 0.184 χ^2/NDF : 0.0/1

Right Out: 1.525 ± 0.208 χ^2/NDF : 2559.8/18

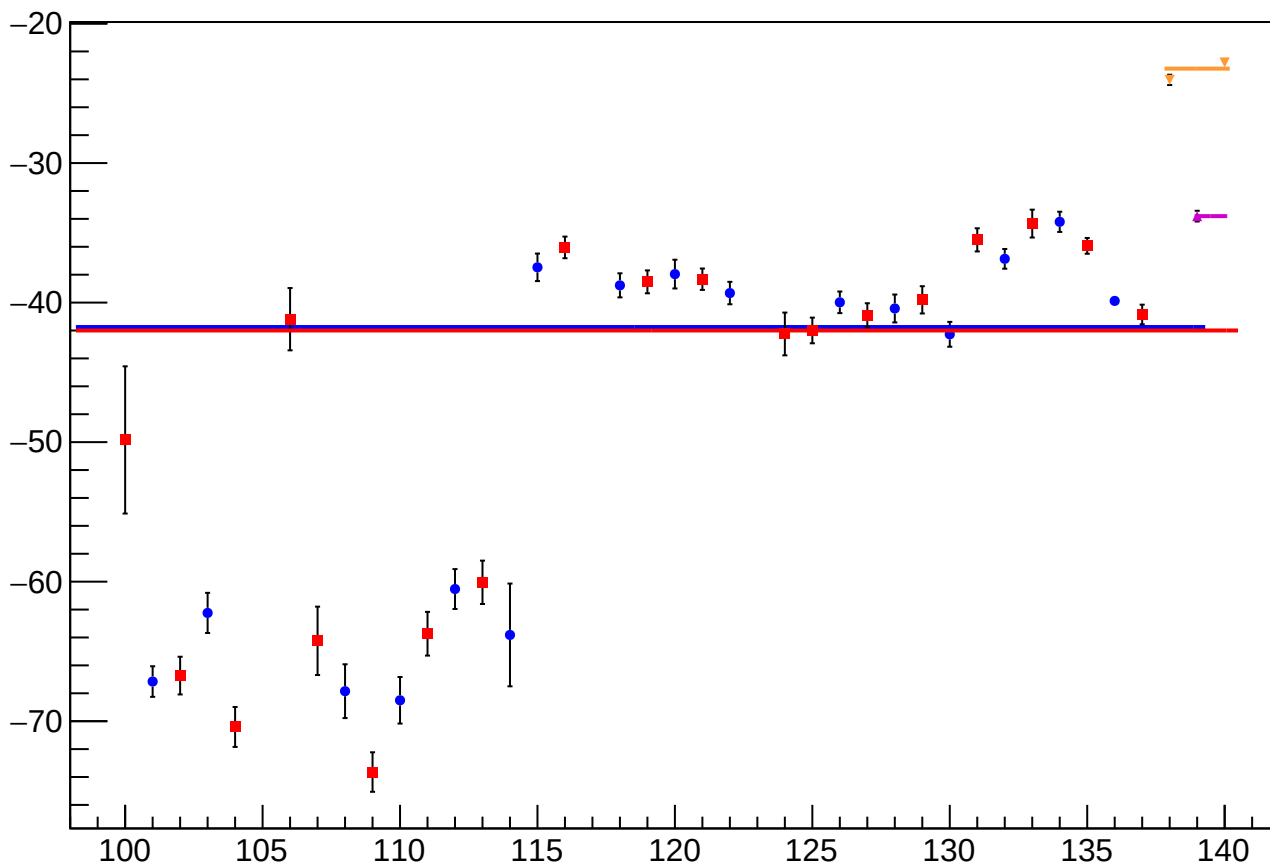
Left In: -5.455 ± 0.669 χ^2/NDF : 0.0/0

+ sign 4.306 ± 0.132 χ^2/NDF : 3154.2/17

All: 3.269 ± 0.110 χ^2/NDF : 6015.9/37

- sign 0.909 ± 0.199 χ^2/NDF : 2659.0/19

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751 ± 0.208 χ^2/NDF : 1633.9/15

Left Out: -23.233 ± 0.220 χ^2/NDF : 7.3/1

Right Out: -41.999 ± 0.228 χ^2/NDF : 1985.2/18

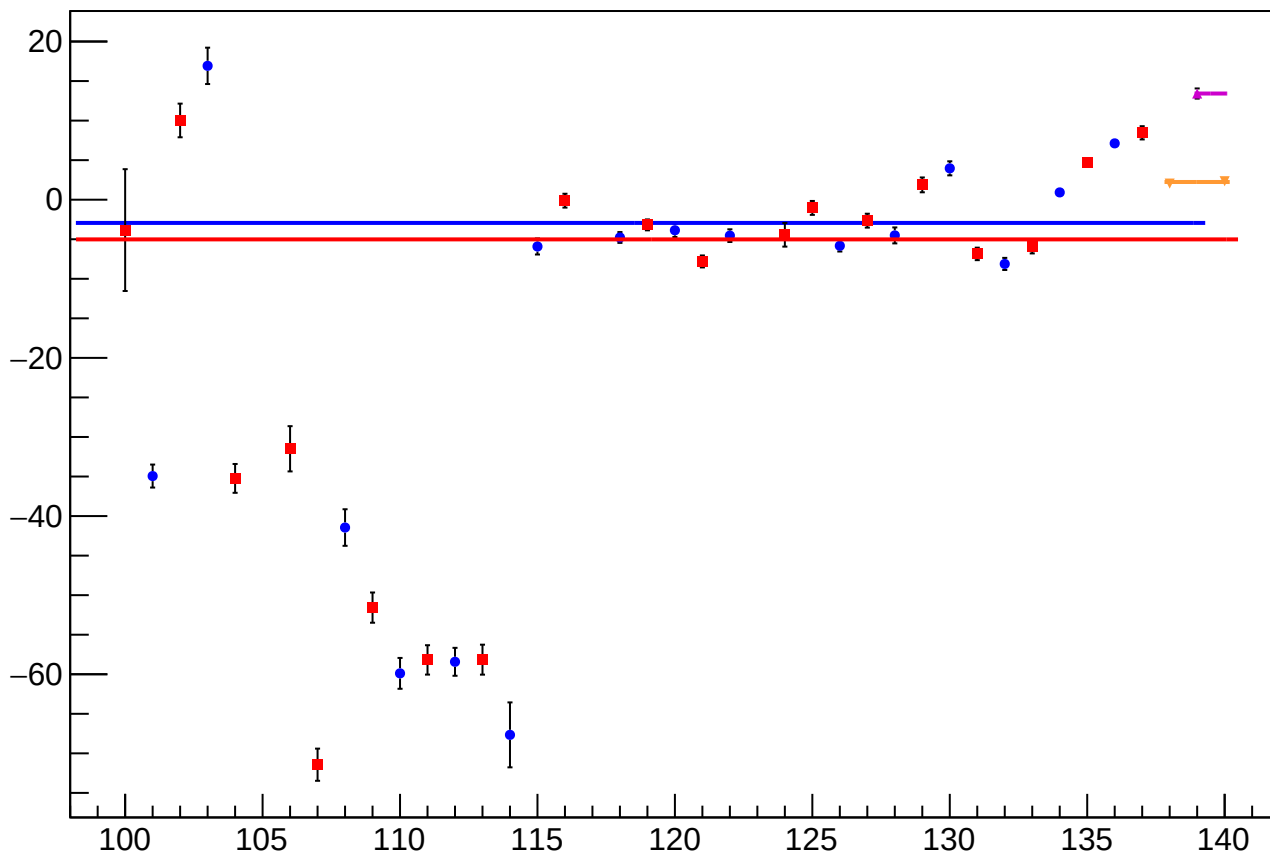
Left In: -33.803 ± 0.384 χ^2/NDF : 0.0/0

+ sign -33.027 ± 0.151 χ^2/NDF : 5388.8/17

All: -35.568 ± 0.120 χ^2/NDF : 8472.1/37

- sign -39.858 ± 0.196 χ^2/NDF : 2322.0/19

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936 $\pm$ 0.210 χ^2 /NDF: 3725.6/15

Left Out: 2.239 $\pm$ 0.219 χ^2 /NDF:0.4/1

Right Out: -5.018 $\pm$ 0.232 χ^2 /NDF: 4377.3/18

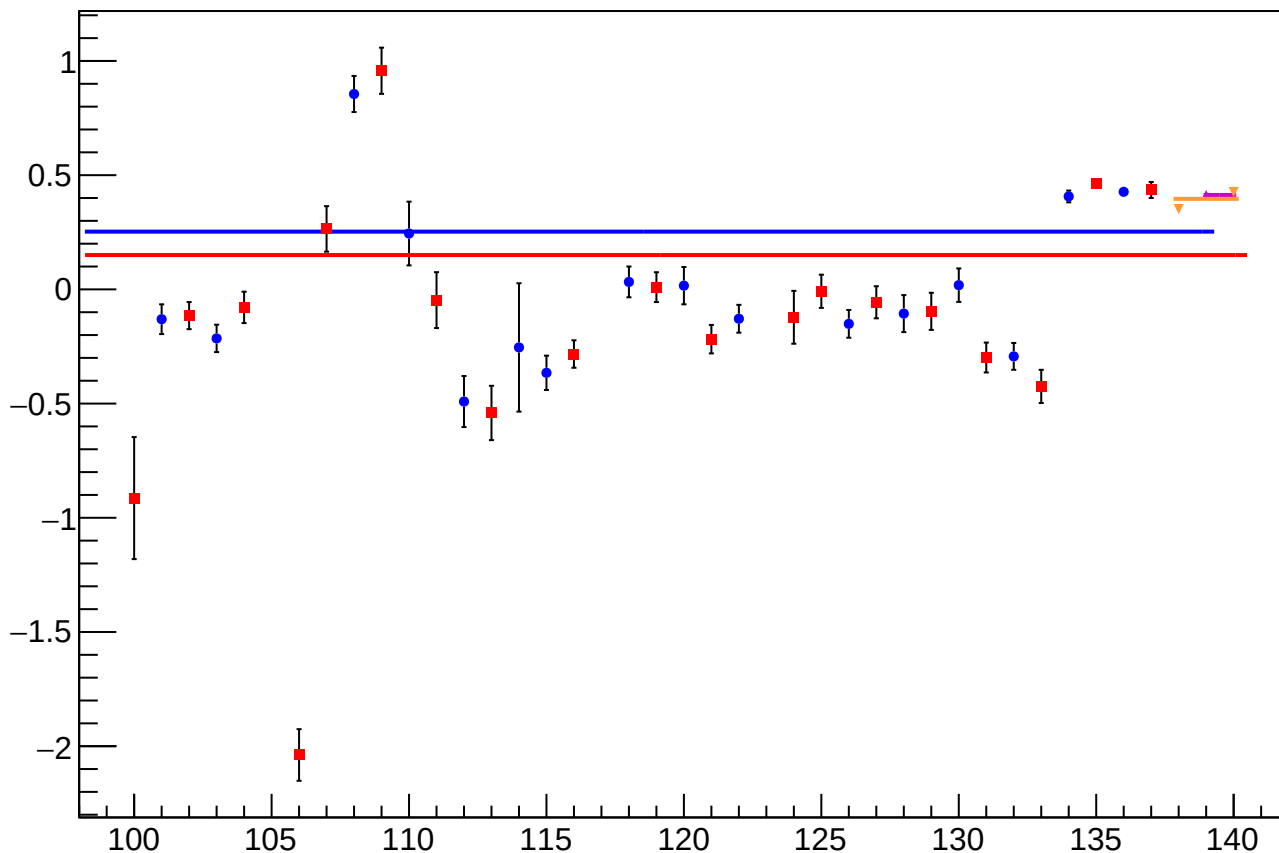
Left In: 13.424 $\pm$ 0.642 χ^2 /NDF:0.0/0

+ sign -0.459 $\pm$ 0.151 χ^2 /NDF: 4017.6/17

All: -1.250 $\pm$ 0.124 χ^2 /NDF: 9208.5/37

- sign -2.892 $\pm$ 0.218 χ^2 /NDF: 5106.9/19

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.011 χ^2/NDF : 631.0/15

Left Out: 0.396 ± 0.009 χ^2/NDF : 15.0/1

Right Out: 0.150 ± 0.013 χ^2/NDF : 1018.0/18

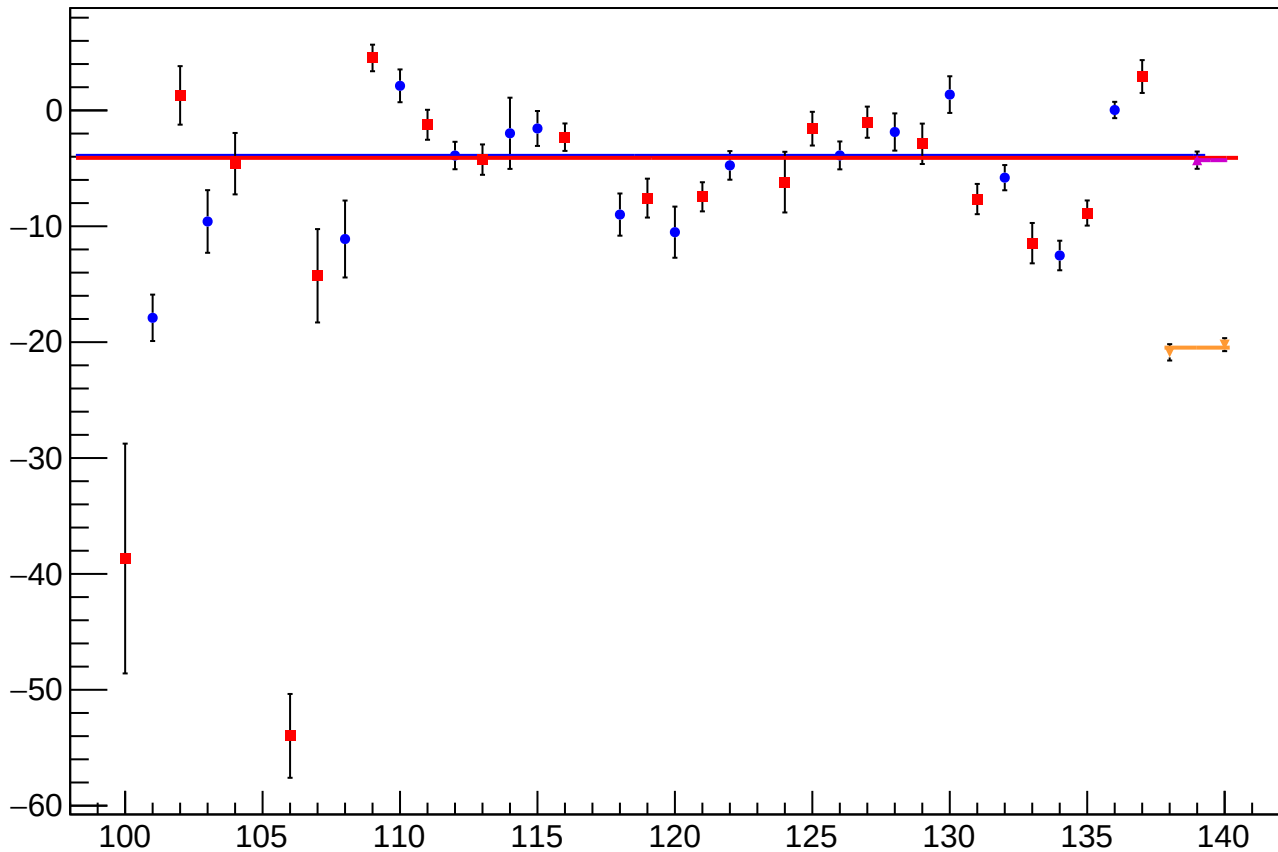
Left In: 0.413 ± 0.014 χ^2/NDF : 0.0/0

+ sign 0.338 ± 0.007 χ^2/NDF : 739.2/17

All: 0.316 ± 0.006 χ^2/NDF : 1970.6/37

- sign 0.278 ± 0.010 χ^2/NDF : 1206.0/19

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924 ± 0.346 χ^2/NDF : 188.8/15

Left Out: -20.472 ± 0.439 χ^2/NDF : 0.5/1

Right Out: -4.096 ± 0.357 χ^2/NDF : 366.9/18

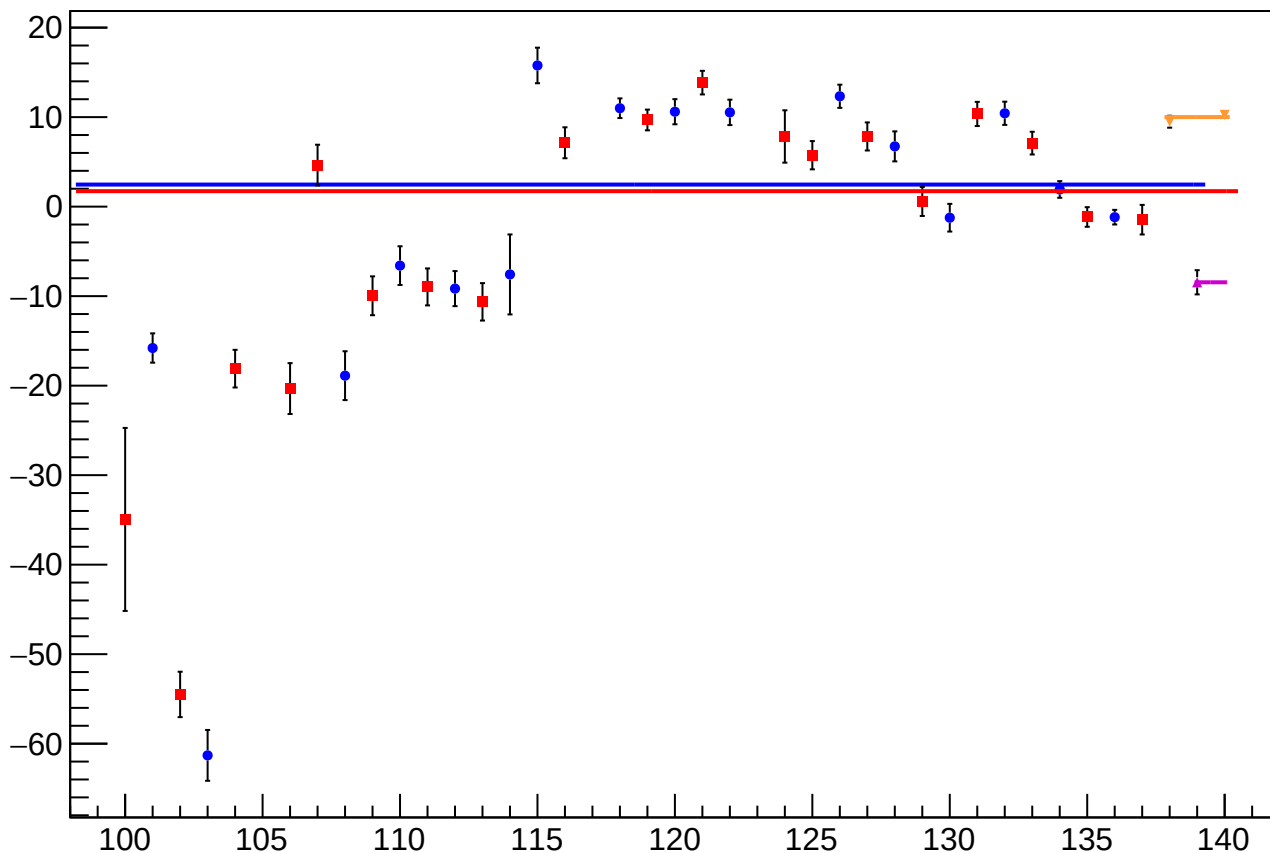
Left In: -4.296 ± 0.745 χ^2/NDF : 0.0/0

+ sign -10.262 ± 0.272 χ^2/NDF : 1065.3/17

All: -7.710 ± 0.208 χ^2/NDF : 1643.9/37

- sign -4.133 ± 0.322 χ^2/NDF : 366.9/19

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465 $\pm$ 0.357 χ^2 /NDF: 1046.7/15

Left Out: 10.003 $\pm$ 0.380 χ^2 /NDF: 0.9/1

Right Out: 1.728 $\pm$ 0.386 χ^2 /NDF: 983.1/18

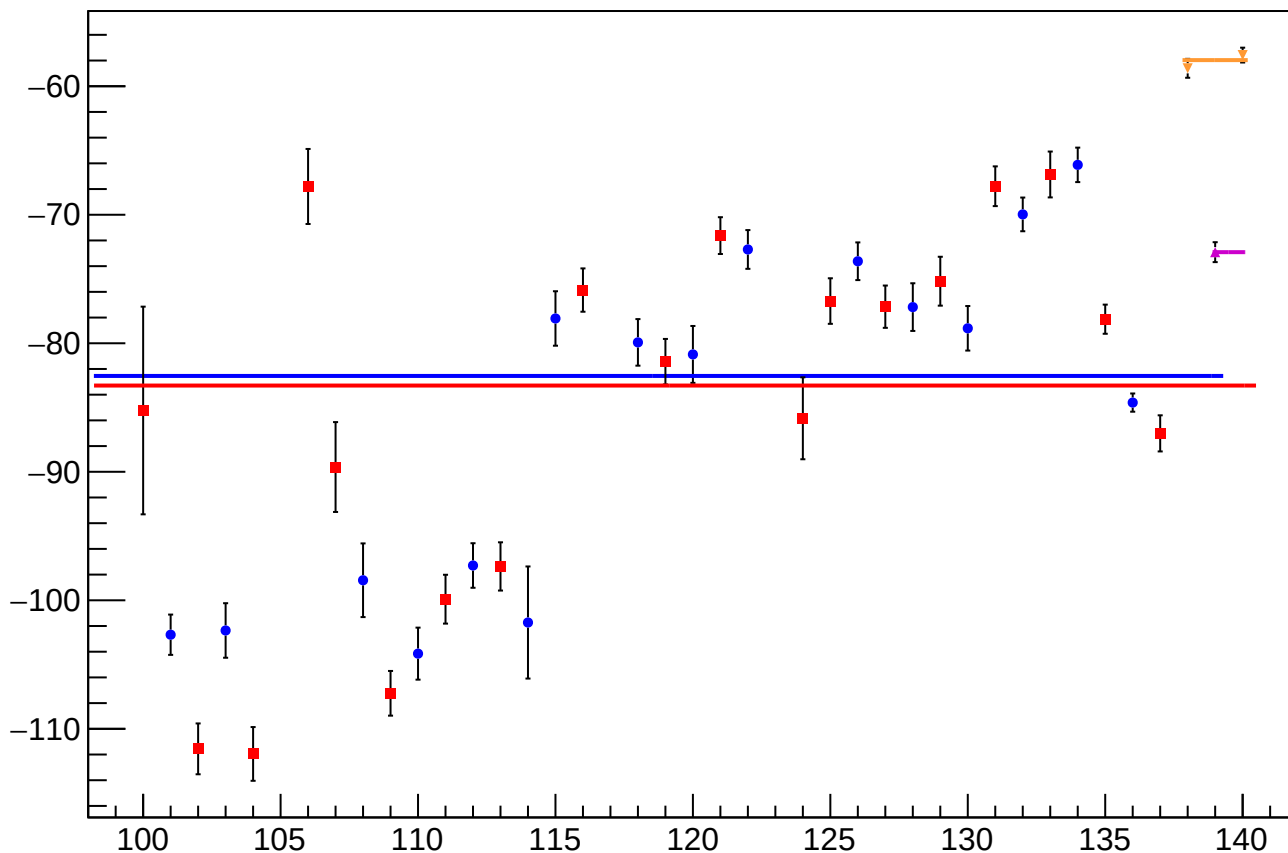
Left In: -8.453 $\pm$ 1.353 χ^2 /NDF: 0.0/0

+ sign 6.000 $\pm$ 0.260 χ^2 /NDF: 1257.0/17

All: 4.342 $\pm$ 0.213 χ^2 /NDF: 2416.0/37

- sign 0.962 $\pm$ 0.371 χ^2 /NDF: 1035.4/19

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542 ± 0.384 χ^2/NDF : 838.8/15

Left Out: -57.967 ± 0.454 χ^2/NDF : 1.2/1

Right Out: -83.290 ± 0.414 χ^2/NDF : 1092.6/18

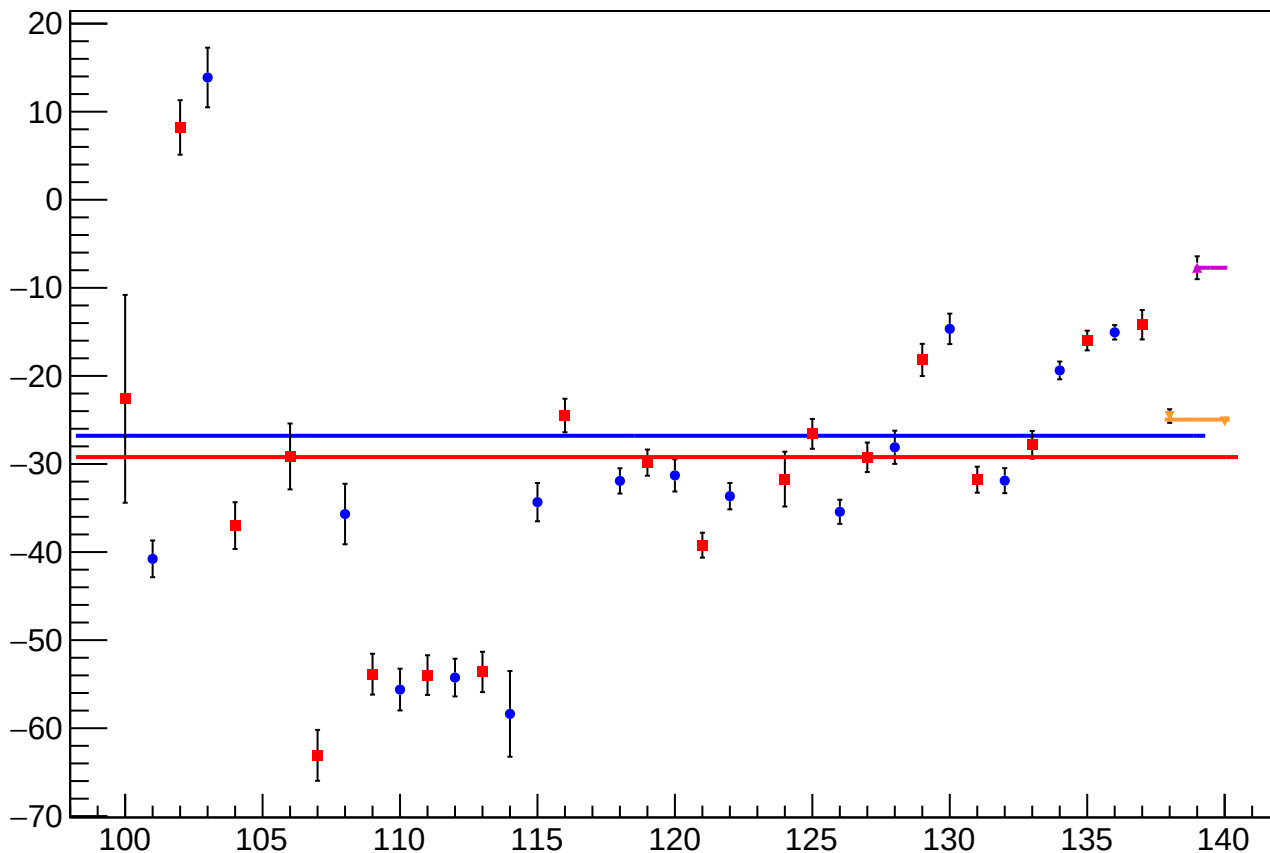
Left In: -72.911 ± 0.775 χ^2/NDF : 0.0/0

+ sign -72.284 ± 0.293 χ^2/NDF : 2546.8/17

All: -75.694 ± 0.229 χ^2/NDF : 4123.6/37

- sign -80.985 ± 0.365 χ^2/NDF : 1232.0/19

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796 ± 0.396 χ^2/NDF : 963.5/15

Left Out: -24.959 ± 0.451 χ^2/NDF : 0.4/1

Right Out: -29.216 ± 0.431 χ^2/NDF : 960.7/18

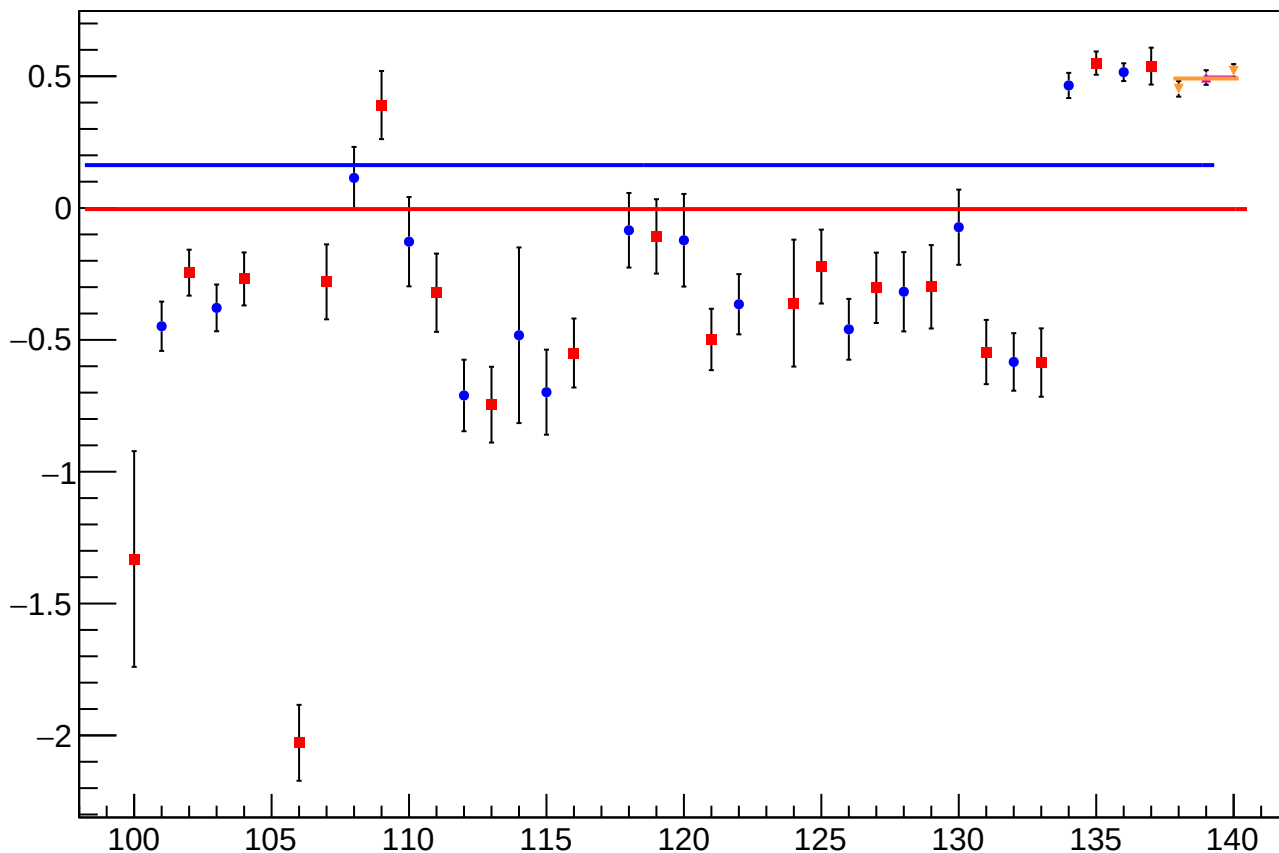
Left In: -7.716 ± 1.299 χ^2/NDF : 0.0/0

+ sign -25.998 ± 0.298 χ^2/NDF : 973.2/17

All: -26.373 ± 0.241 χ^2/NDF : 2185.4/37

- sign -27.082 ± 0.409 χ^2/NDF : 1207.6/19

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163 ± 0.021 χ^2/NDF : 422.6/15

Left Out: 0.491 ± 0.019 χ^2/NDF : 3.0/1

Right Out: -0.004 ± 0.024 χ^2/NDF : 573.3/18

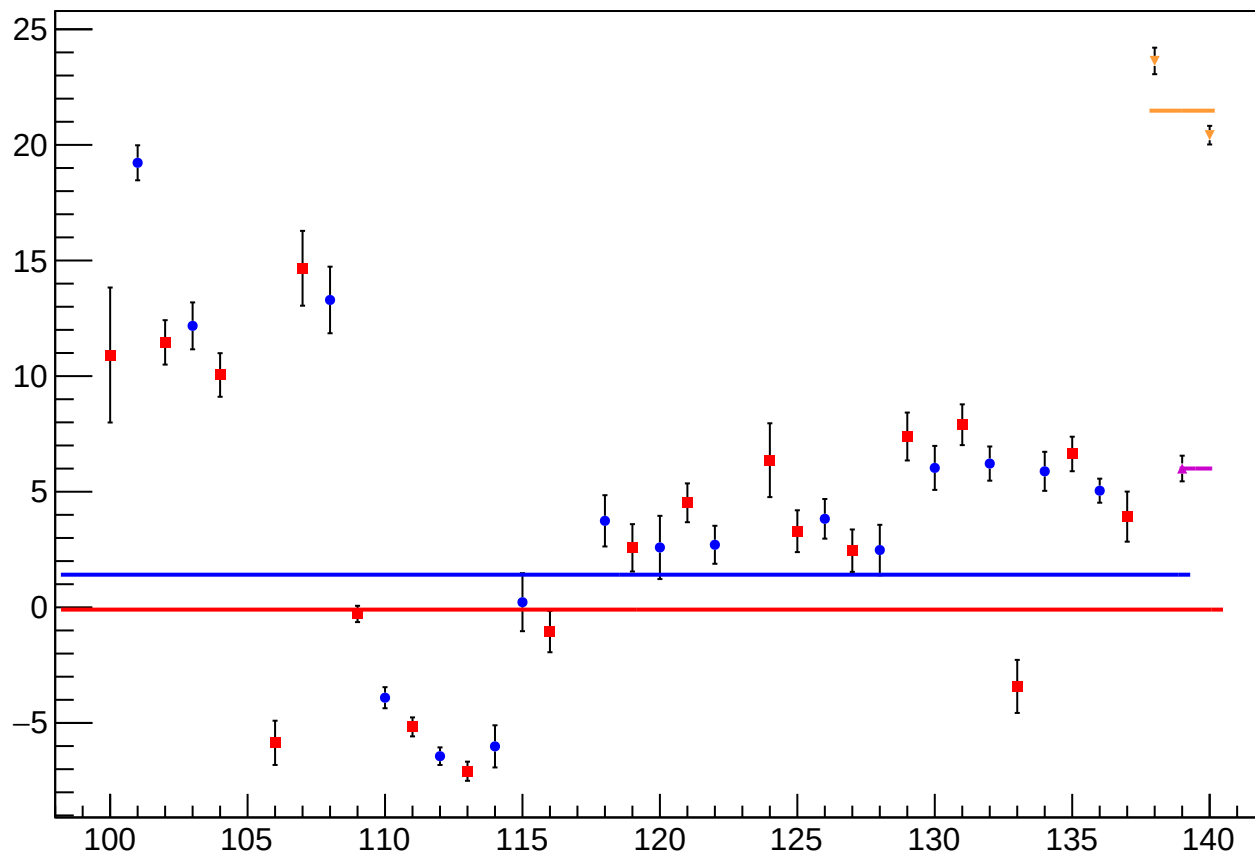
Left In: 0.495 ± 0.028 χ^2/NDF : 0.0/0

+ sign 0.343 ± 0.014 χ^2/NDF : 554.5/17

All: 0.293 ± 0.011 χ^2/NDF : 1340.4/37

- sign 0.213 ± 0.018 χ^2/NDF : 754.9/19

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412 ± 0.183 $\chi^2/\text{NDF}: 1522.1/15$

Left Out: 21.480 ± 0.330 $\chi^2/\text{NDF}: 21.0/1$

Right Out: -0.098 ± 0.167 $\chi^2/\text{NDF}: 1147.2/18$

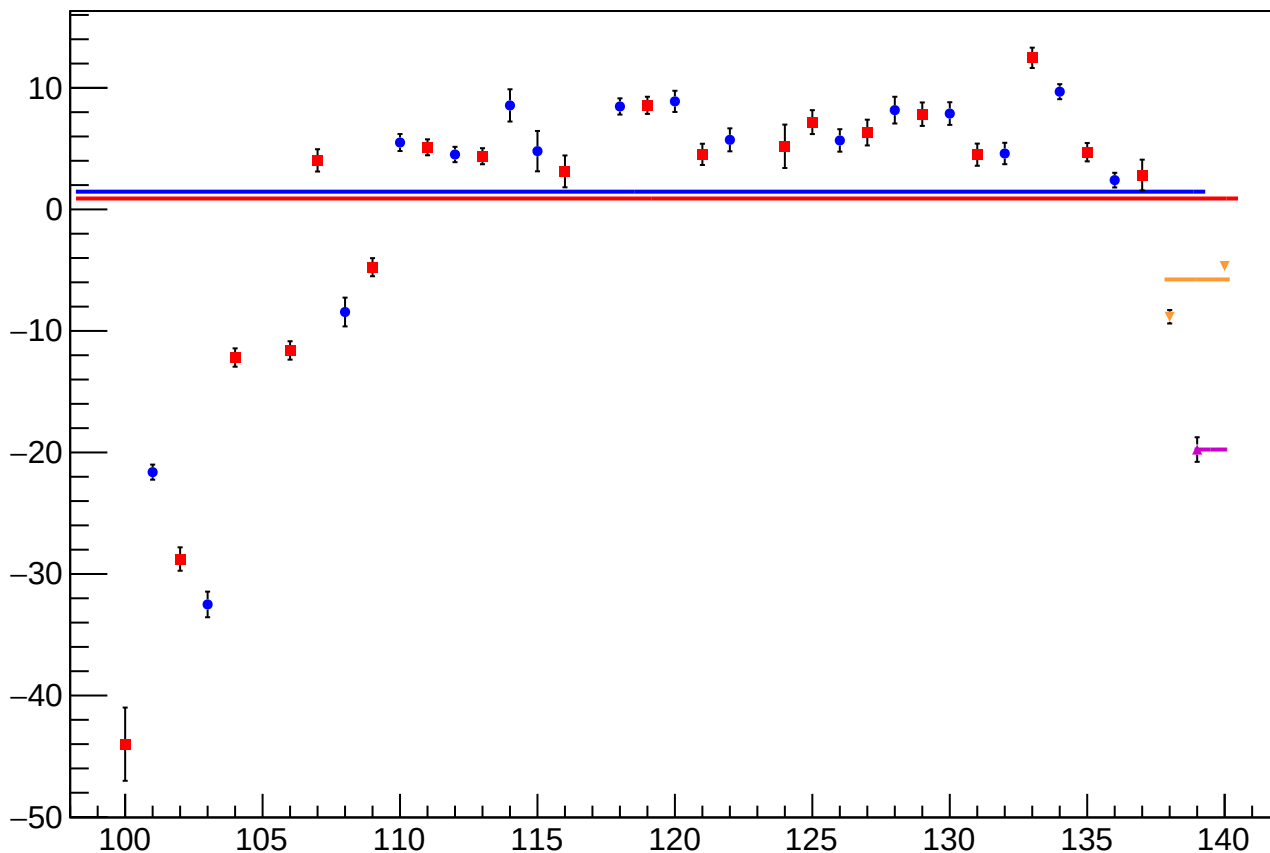
Left In: 6.004 ± 0.555 $\chi^2/\text{NDF}: 0.0/0$

+ sign 6.146 ± 0.160 $\chi^2/\text{NDF}: 4376.7/17$

All: 3.282 ± 0.113 $\chi^2/\text{NDF}: 6275.9/37$

- sign 0.411 ± 0.160 $\chi^2/\text{NDF}: 1258.2/19$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459 ± 0.203 $\chi^2/\text{NDF}: 3080.3/15$

Left Out: -5.764 ± 0.285 $\chi^2/\text{NDF}: 41.7/1$

Right Out: 0.896 ± 0.202 $\chi^2/\text{NDF}: 2377.1/18$

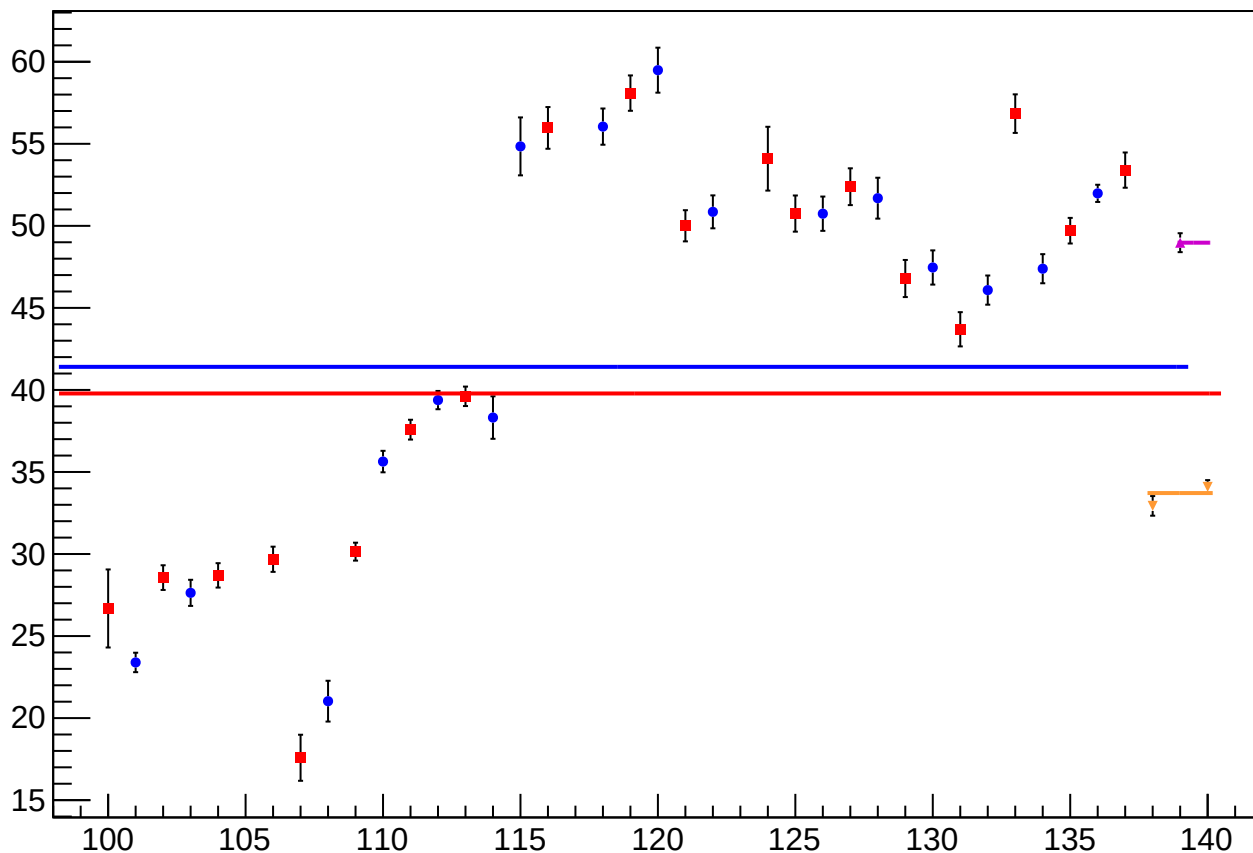
Left In: -19.760 ± 1.011 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.979 ± 0.166 $\chi^2/\text{NDF}: 3547.4/17$

All: -0.534 ± 0.127 $\chi^2/\text{NDF}: 6343.5/37$

- sign 0.103 ± 0.198 $\chi^2/\text{NDF}: 2778.5/19$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407 $\pm$ 0.211 χ^2 /NDF: 2746.0/15

Left Out: 33.715 $\pm$ 0.340 χ^2 /NDF: 2.5/1

Right Out: 39.784 $\pm$ 0.203 χ^2 /NDF: 2653.8/18

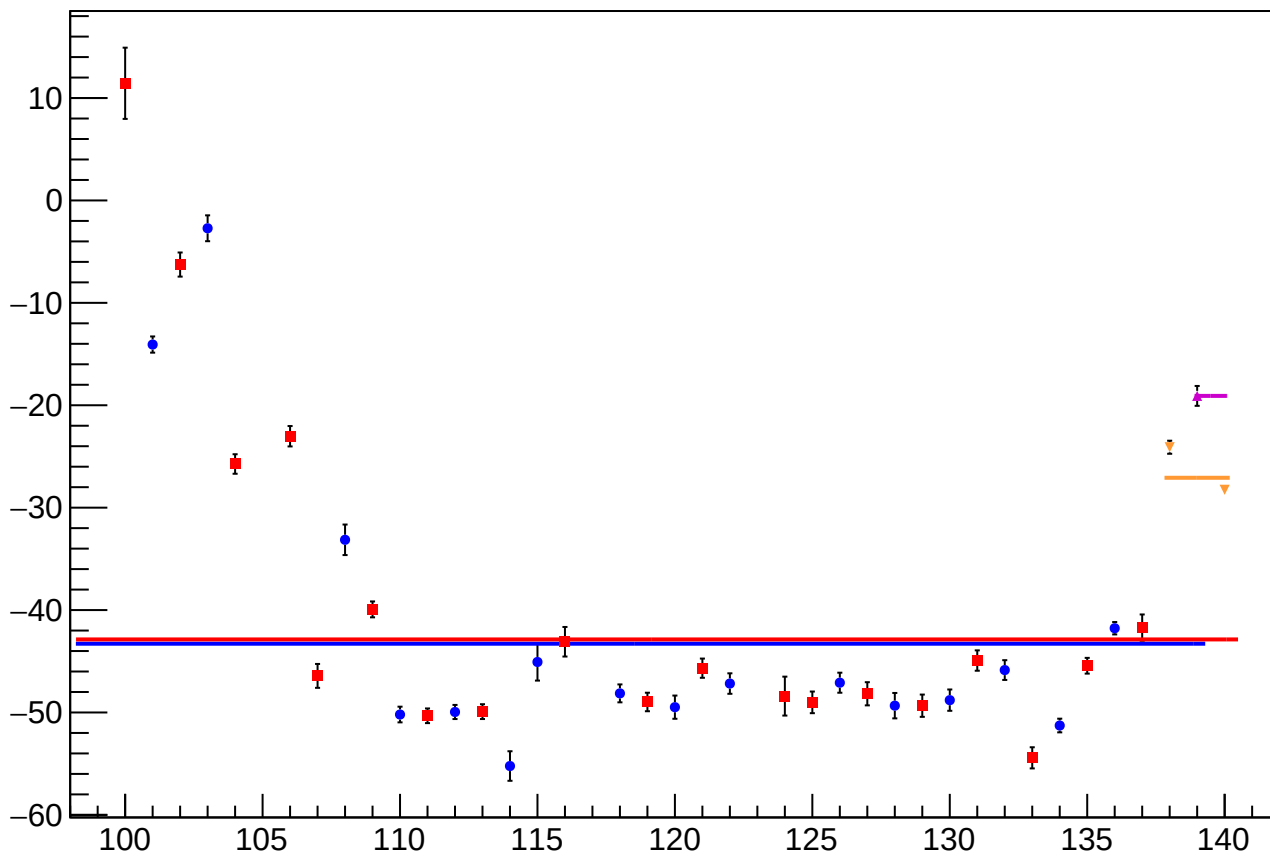
Left In: 48.974 $\pm$ 0.577 χ^2 /NDF: 0.0/0

+ sign 39.278 $\pm$ 0.179 χ^2 /NDF: 3117.6/17

All: 39.986 $\pm$ 0.131 χ^2 /NDF: 6030.7/37

- sign 40.795 $\pm$ 0.191 χ^2 /NDF: 2879.5/19

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: -27.082 ± 0.339 χ^2/NDF : 30.4/1

Right Out: -42.867 ± 0.229 χ^2/NDF : 2454.2/18

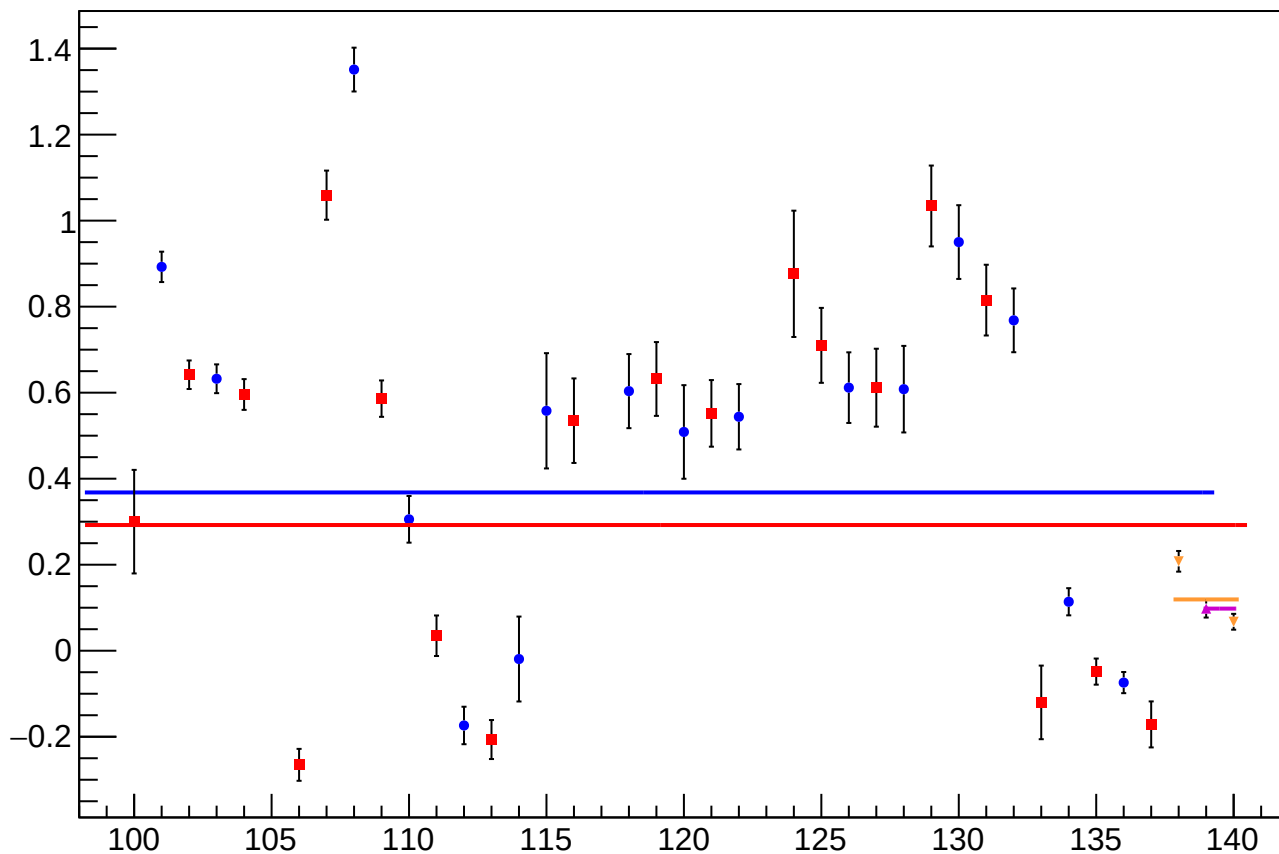
Left In: -19.086 ± 0.970 χ^2/NDF : 0.0/0

+ sign -38.195 ± 0.190 χ^2/NDF : 4583.8/17

All: -39.633 ± 0.145 χ^2/NDF : 7743.0/37

- sign -41.613 ± 0.223 χ^2/NDF : 3023.0/19

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368 ± 0.012 $\chi^2/\text{NDF}: 1320.9/15$

Left Out: 0.119 ± 0.015 $\chi^2/\text{NDF}: 21.6/1$

Right Out: 0.292 ± 0.012 $\chi^2/\text{NDF}: 1199.2/18$

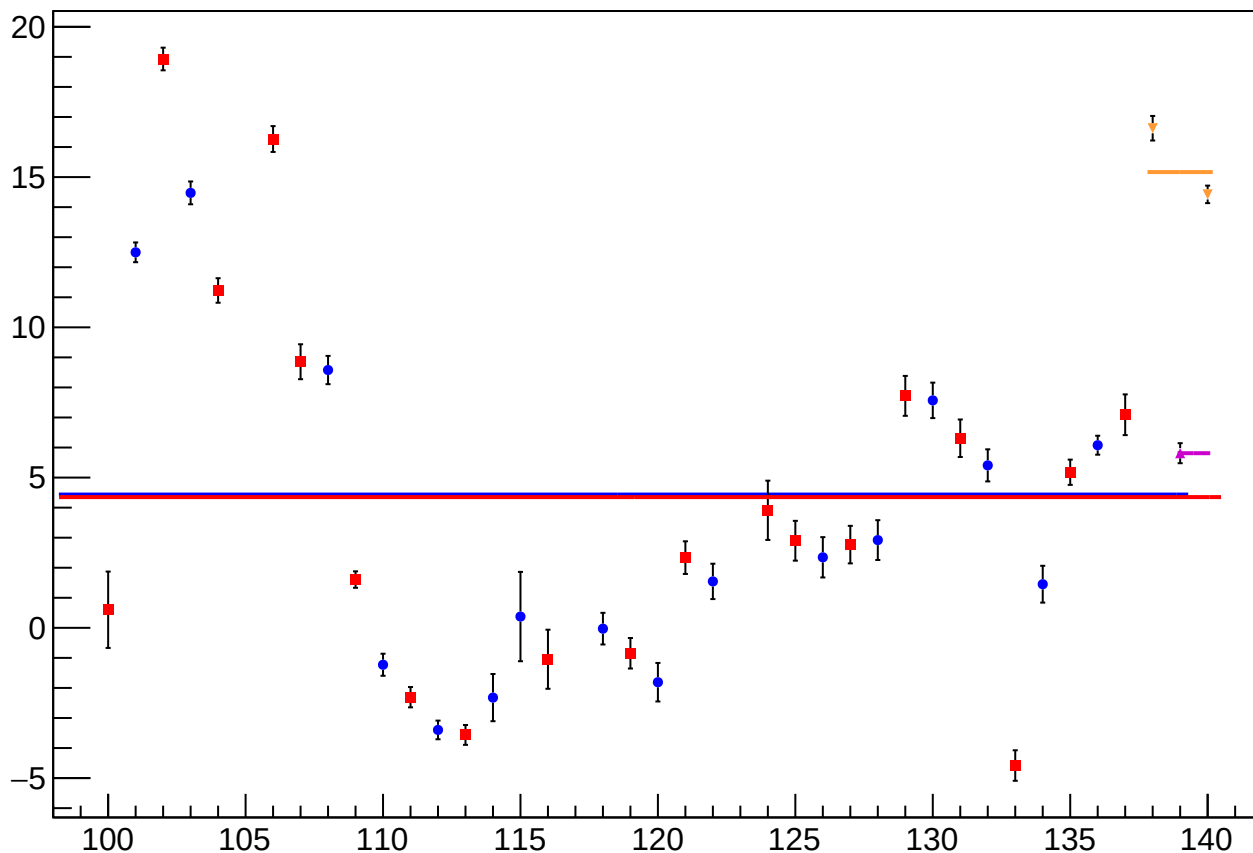
Left In: 0.098 ± 0.021 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.266 ± 0.009 $\chi^2/\text{NDF}: 1513.3/17$

All: 0.256 ± 0.007 $\chi^2/\text{NDF}: 2780.3/37$

- sign 0.243 ± 0.010 $\chi^2/\text{NDF}: 1264.4/19$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435 ± 0.117 $\chi^2/\text{NDF}: 2622.0/15$

Left Out: 15.167 ± 0.237 $\chi^2/\text{NDF}: 19.2/1$

Right Out: 4.351 ± 0.109 $\chi^2/\text{NDF}: 4205.3/18$

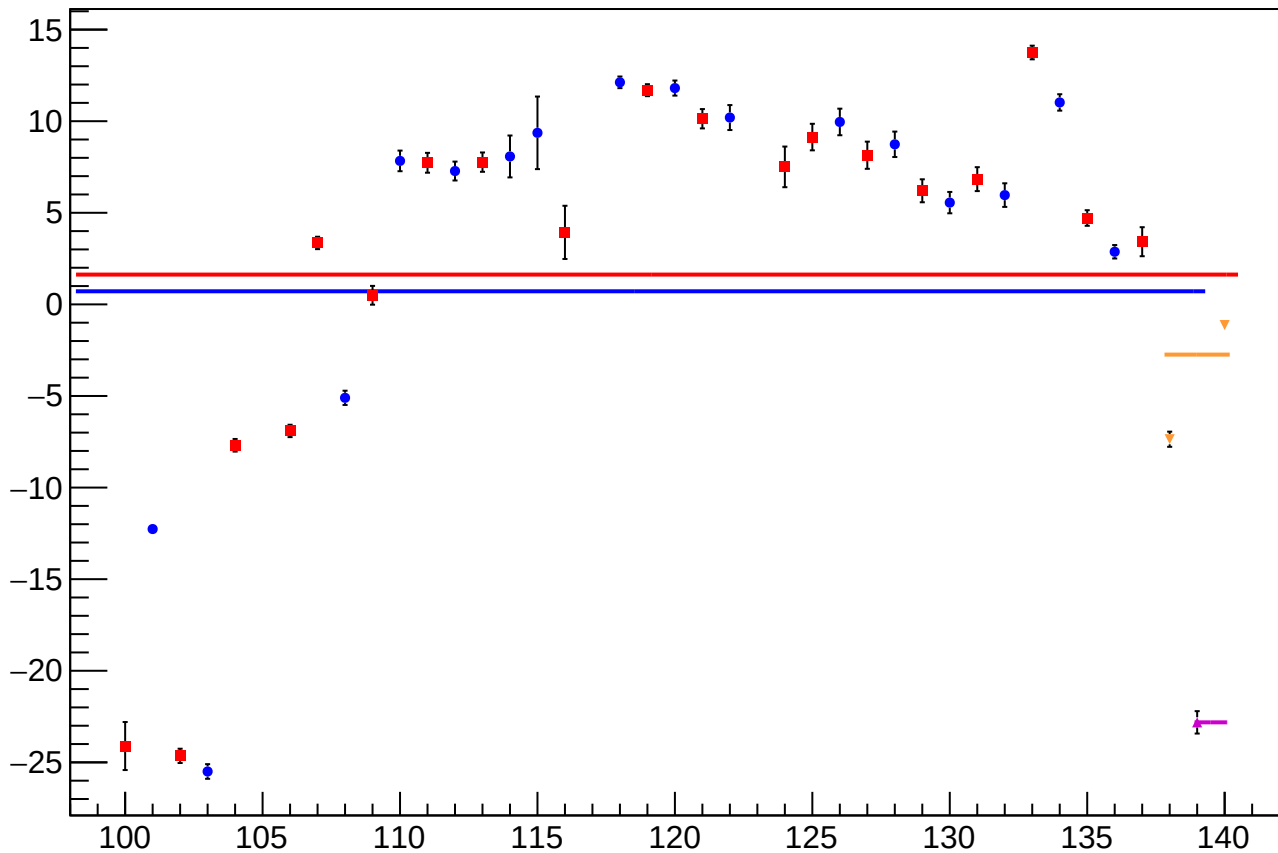
Left In: 5.812 ± 0.333 $\chi^2/\text{NDF}: 0.0/0$

+ sign 6.532 ± 0.105 $\chi^2/\text{NDF}: 4286.5/17$

All: 5.500 ± 0.074 $\chi^2/\text{NDF}: 8700.4/37$

- sign 4.492 ± 0.104 $\chi^2/\text{NDF}: 4222.6/19$

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715 ± 0.116 χ^2/NDF : 10454.0/15

Left Out: -2.741 ± 0.211 χ^2/NDF : 168.0/1

Right Out: 1.627 ± 0.111 χ^2/NDF : 9255.5/18

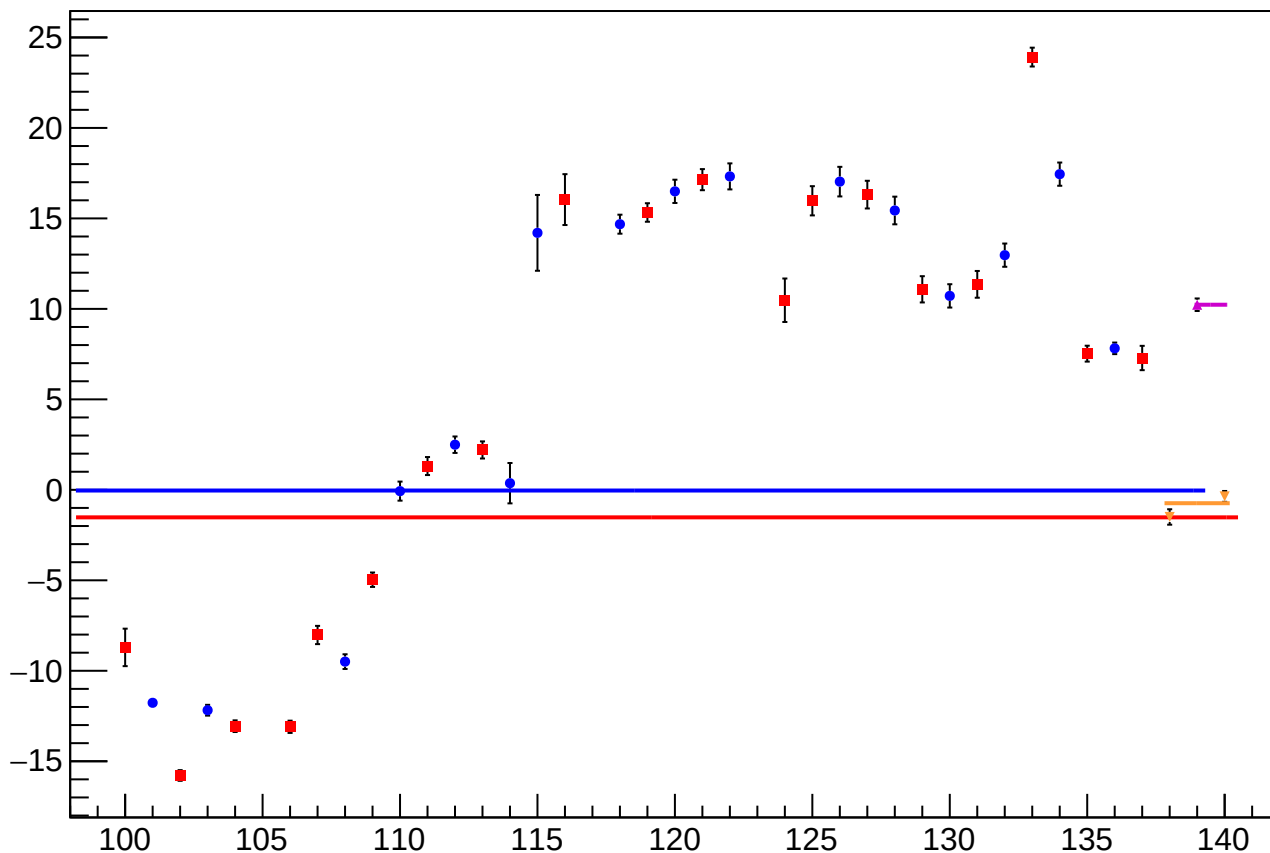
Left In: -22.816 ± 0.612 χ^2/NDF : 0.0/0

+ sign -0.089 ± 0.102 χ^2/NDF : 10828.7/17

All: 0.345 ± 0.074 χ^2/NDF : 21668.8/37

- sign 0.848 ± 0.109 χ^2/NDF : 10800.7/19

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: -0.739±/0.245 χ^2/NDF : 4.8/1

Right Out: -1.521±/0.115 χ^2/NDF : 12130.2/18

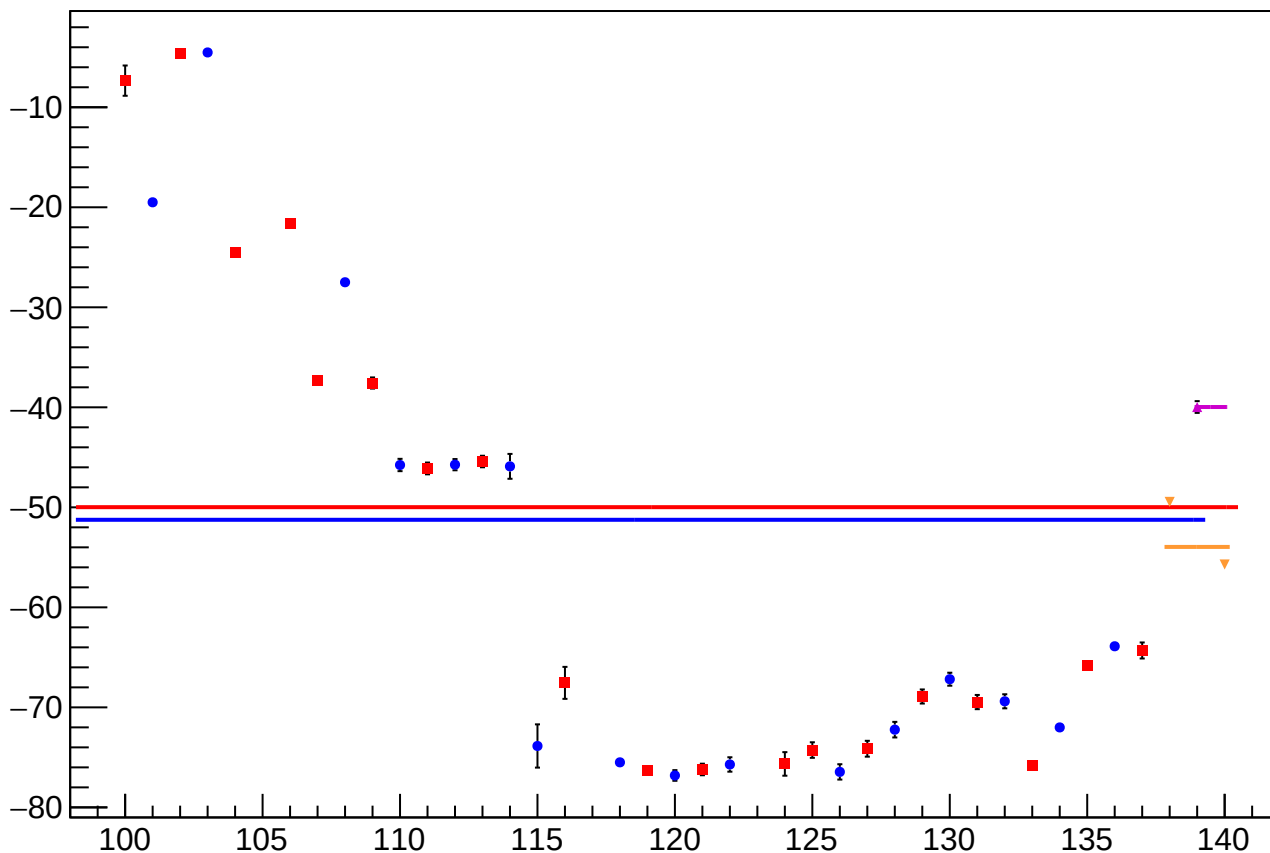
Left In: 10.230±/0.346 χ^2/NDF : 0.0/0

+ sign -0.172±/0.107 χ^2/NDF : 9285.7/17

All: -0.261±/0.077 χ^2/NDF : 22453.3/37

- sign -0.353±/0.109 χ^2/NDF : 13166.2/19

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246 ± 0.136 χ^2/NDF : 33765.2/15

Left Out: -53.959 ± 0.249 χ^2/NDF : 127.5/1

Right Out: -49.983 ± 0.131 χ^2/NDF : 33892.5/18

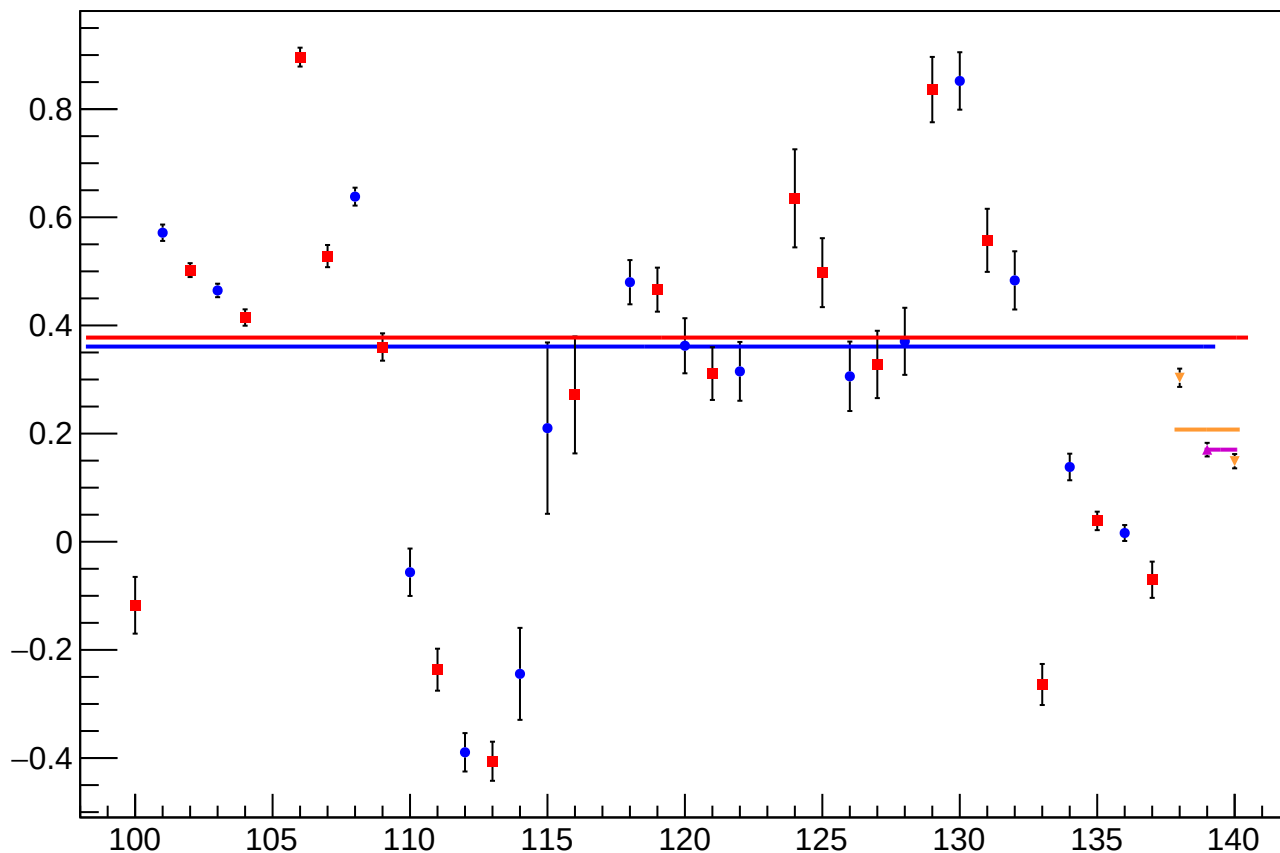
Left In: -39.970 ± 0.588 χ^2/NDF : 0.0/0

+ sign -51.867 ± 0.119 χ^2/NDF : 33984.1/17

All: -50.769 ± 0.087 χ^2/NDF : 68335.4/37

- sign -49.511 ± 0.128 χ^2/NDF : 34169.2/19

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361 ± 0.006 $\chi^2/\text{NDF}: 1860.0/15$

Left Out: 0.207 ± 0.010 $\chi^2/\text{NDF}: 51.7/1$

Right Out: 0.378 ± 0.006 $\chi^2/\text{NDF}: 2790.5/18$

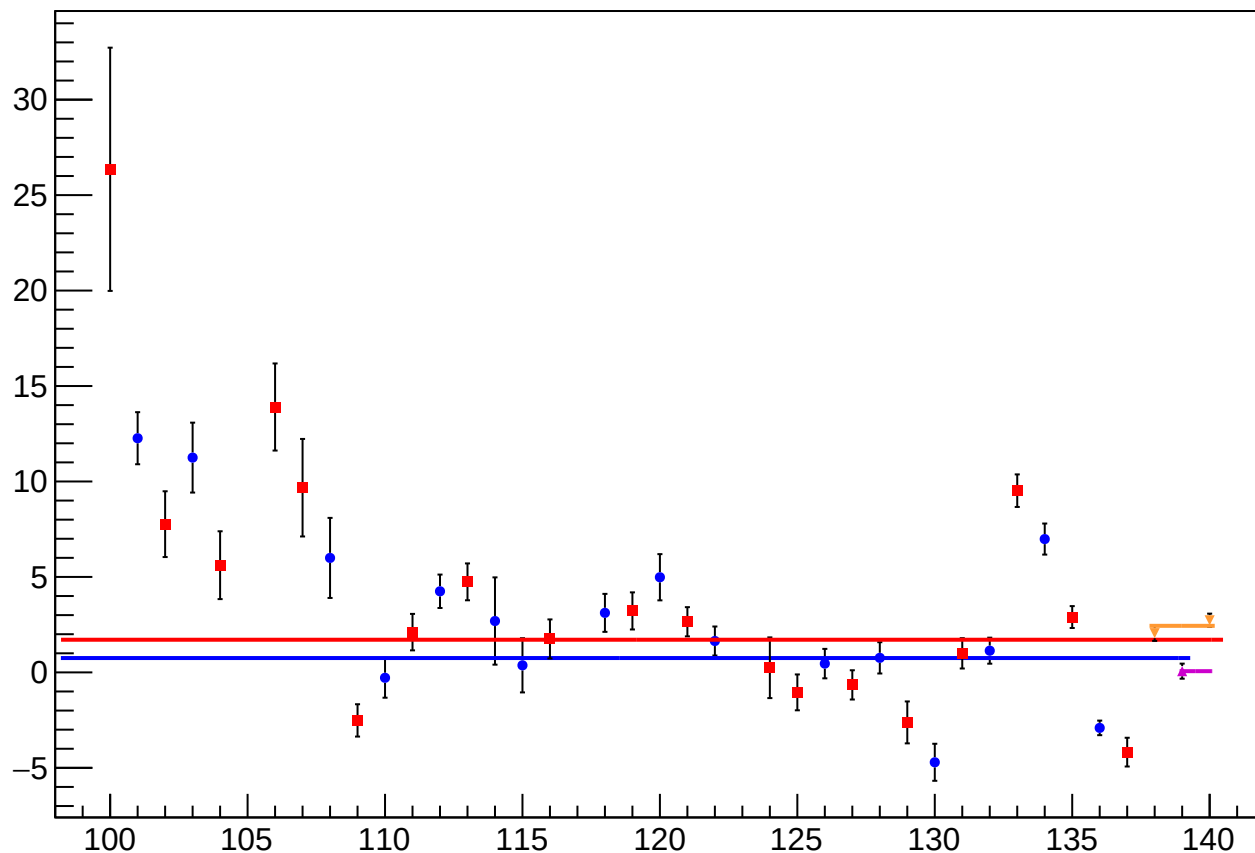
Left In: 0.170 ± 0.013 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.319 ± 0.005 $\chi^2/\text{NDF}: 2070.0/17$

All: 0.328 ± 0.004 $\chi^2/\text{NDF}: 5085.8/37$

- sign 0.338 ± 0.005 $\chi^2/\text{NDF}: 3009.9/19$

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: 2.439 ± 0.265 χ^2/NDF : 1.6/1

Right Out: 1.710 ± 0.223 χ^2/NDF : 293.8/18

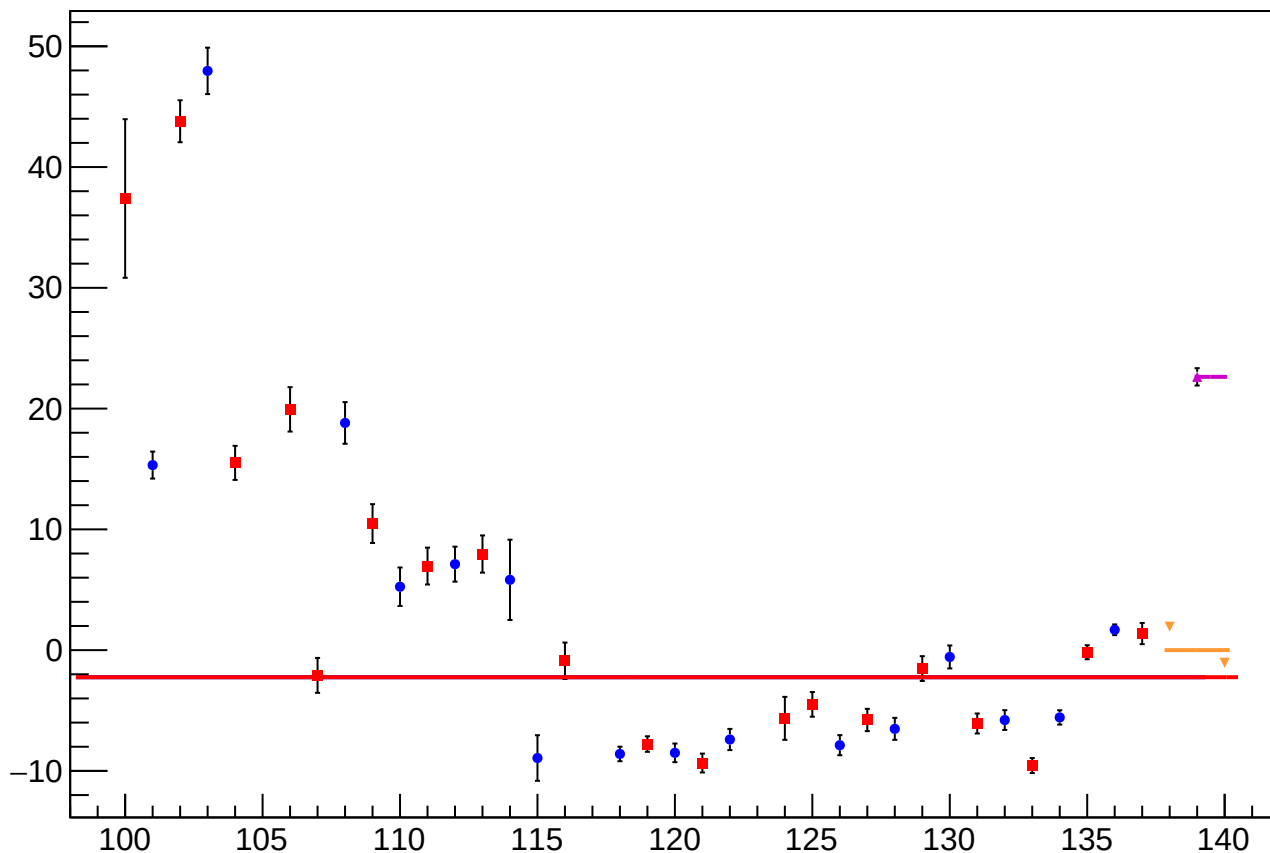
Left In: 0.064 ± 0.395 χ^2/NDF : 0.0/0

+ sign 1.412 ± 0.166 χ^2/NDF : 356.4/17

All: 1.370 ± 0.126 χ^2/NDF : 663.6/37

- sign 1.312 ± 0.194 χ^2/NDF : 307.0/19

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245 ± 0.215 χ^2/NDF : 1572.5/15

Left Out: 0.001 ± 0.234 χ^2/NDF : 37.0/1

Right Out: -2.242 ± 0.229 χ^2/NDF : 1555.6/18

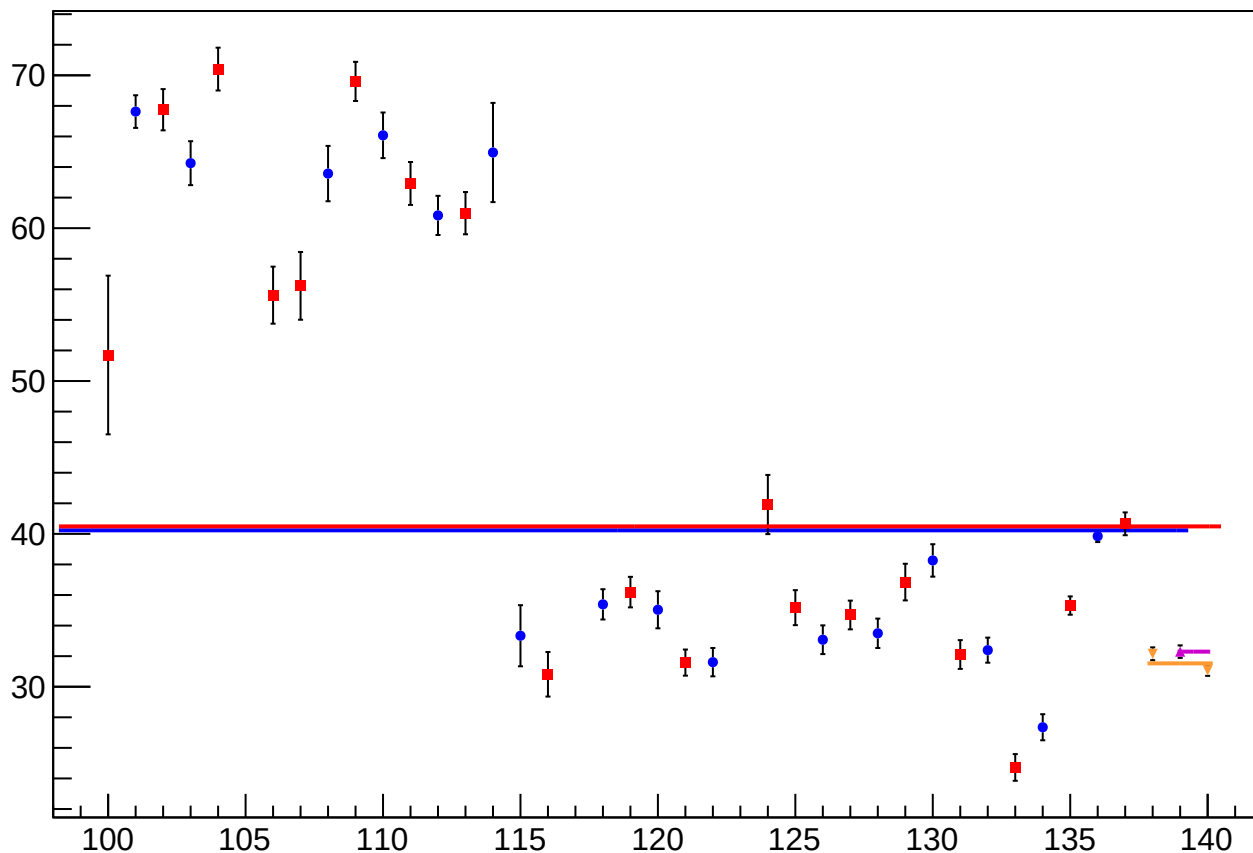
Left In: 22.629 ± 0.718 χ^2/NDF : 0.0/0

+ sign -1.217 ± 0.159 χ^2/NDF : 1659.4/17

All: -0.778 ± 0.128 χ^2/NDF : 4326.3/37

- sign 0.053 ± 0.218 χ^2/NDF : 2644.8/19

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232 $\pm$ 0.231 χ^2 /NDF: 2291.1/15

Left Out: 31.528 $\pm$ 0.274 χ^2 /NDF: 3.8/1

Right Out: 40.490 $\pm$ 0.250 χ^2 /NDF: 2698.0/18

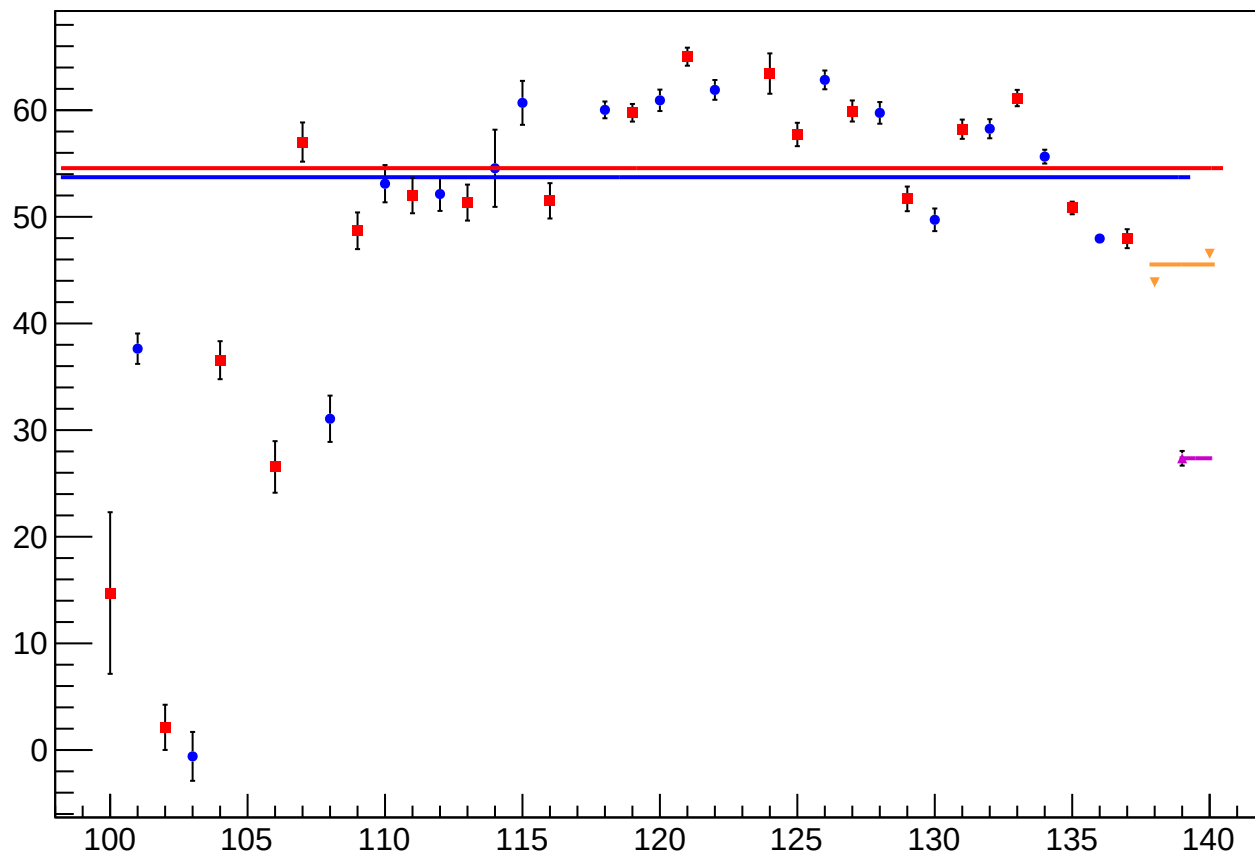
Left In: 32.296 $\pm$ 0.411 χ^2 /NDF: 0.0/0

+ sign 36.606 $\pm$ 0.177 χ^2 /NDF: 2884.2/17

All: 37.281 $\pm$ 0.136 χ^2 /NDF: 5908.3/37

- sign 38.269 $\pm$ 0.214 χ^2 /NDF: 2988.3/19

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715 $\pm$ 0.239 χ^2 /NDF: 1362.7/15

Left Out: 45.533 $\pm$ 0.277 χ^2 /NDF: 21.8/1

Right Out: 54.565 $\pm$ 0.256 χ^2 /NDF: 1342.6/18

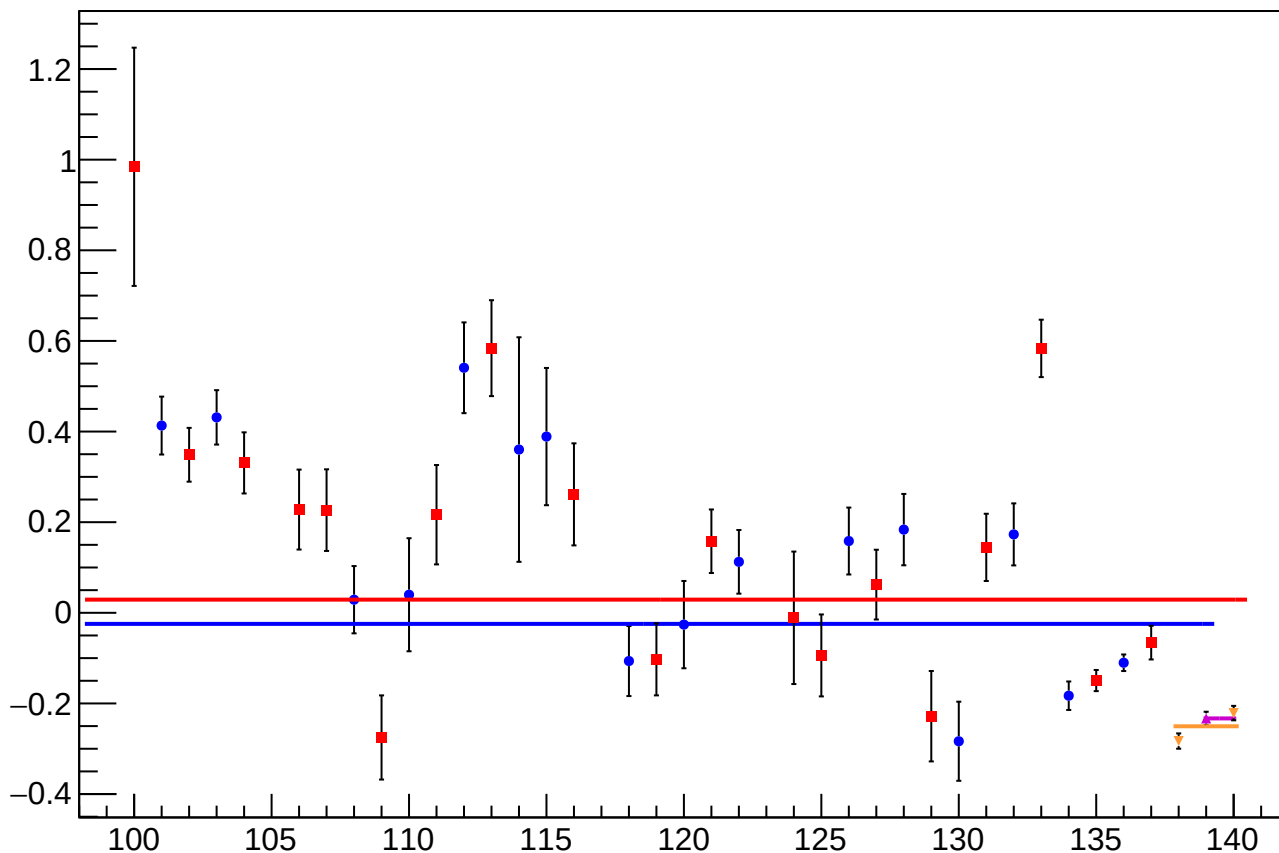
Left In: 27.358 $\pm$ 0.689 χ^2 /NDF: 0.0/0

+ sign 50.225 $\pm$ 0.181 χ^2 /NDF: 1884.5/17

All: 50.601 $\pm$ 0.145 χ^2 /NDF: 4608.3/37

- sign 51.263 $\pm$ 0.240 χ^2 /NDF: 2712.0/19

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: -0.250 ± 0.012 χ^2/NDF : 7.0/1

Right Out: 0.029 ± 0.014 χ^2/NDF : 276.4/18

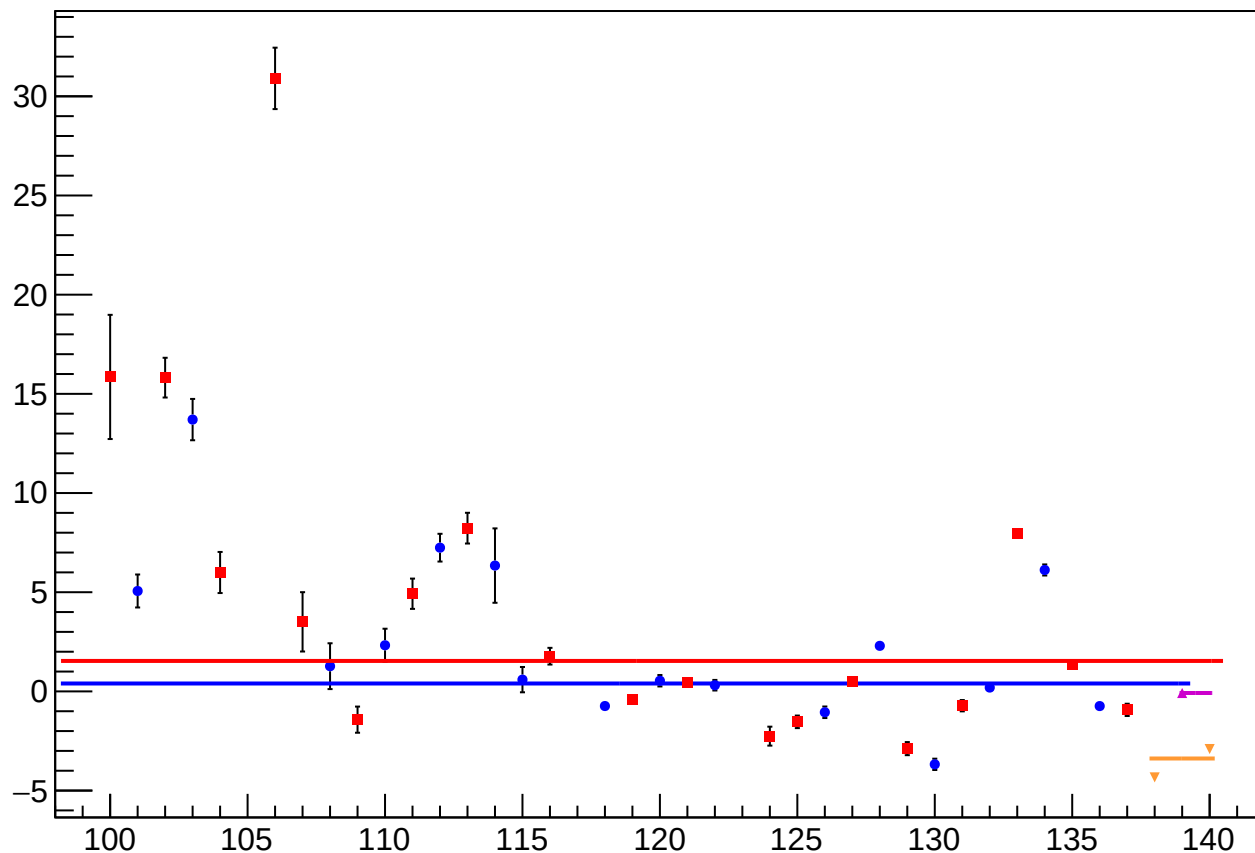
Left In: -0.233 ± 0.015 χ^2/NDF : 0.0/0

+ sign -0.148 ± 0.009 χ^2/NDF : 407.7/17

All: -0.127 ± 0.007 χ^2/NDF : 862.0/37

- sign -0.097 ± 0.010 χ^2/NDF : 439.6/19

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398 ± 0.077 $\chi^2/\text{NDF}: 1097.4/15$

Left Out: -3.383 ± 0.099 $\chi^2/\text{NDF}: 46.4/1$

Right Out: 1.536 ± 0.078 $\chi^2/\text{NDF}: 2411.2/18$

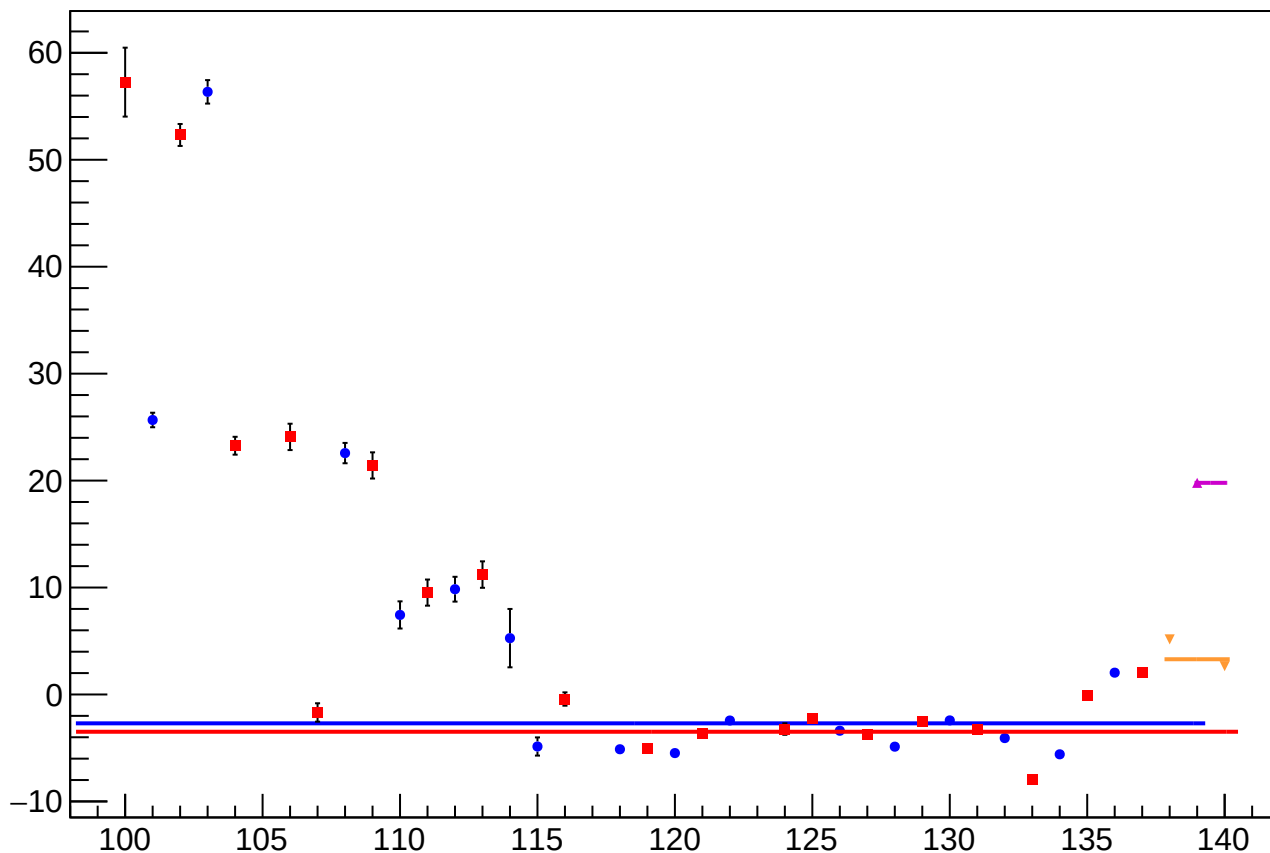
Left In: -0.081 ± 0.138 $\chi^2/\text{NDF}: 0.0/0$

+ sign -1.030 ± 0.061 $\chi^2/\text{NDF}: 2052.8/17$

All: -0.065 ± 0.045 $\chi^2/\text{NDF}: 5134.9/37$

- sign 1.143 ± 0.068 $\chi^2/\text{NDF}: 2515.0/19$

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699 ± 0.071 χ^2/NDF : 7103.8/15

Left Out: 3.295 ± 0.087 χ^2/NDF : 158.0/1

Right Out: -3.486 ± 0.071 χ^2/NDF : 7159.9/18

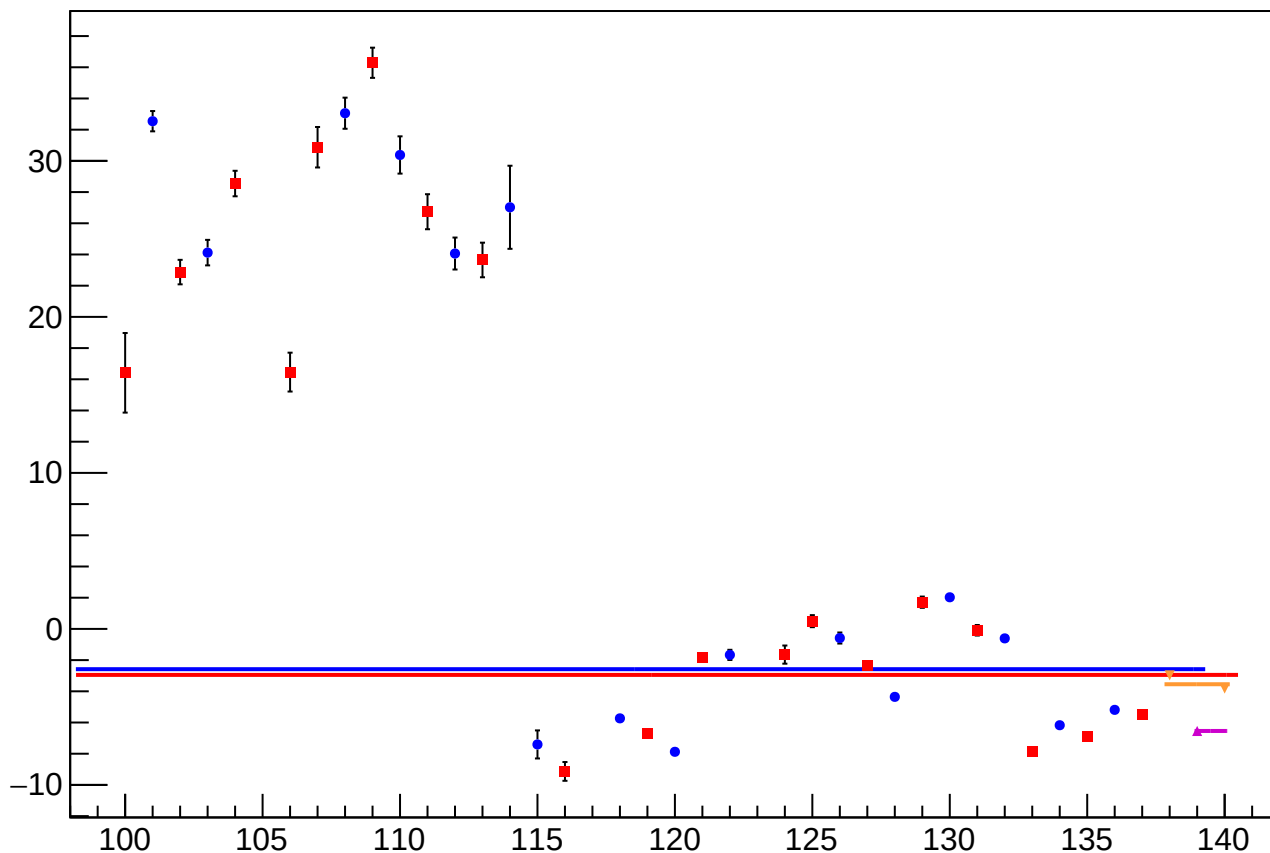
Left In: 19.790 ± 0.254 χ^2/NDF : 0.0/0

+ sign -0.324 ± 0.055 χ^2/NDF : 10107.1/17

All: -0.908 ± 0.043 χ^2/NDF : 25325.3/37

- sign -1.809 ± 0.068 χ^2/NDF : 14931.0/19

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582 ± 0.083 χ^2/NDF : 8159.7/15

Left Out: -3.546 ± 0.102 χ^2/NDF : 15.1/1

Right Out: -2.948 ± 0.085 χ^2/NDF : 8196.4/18

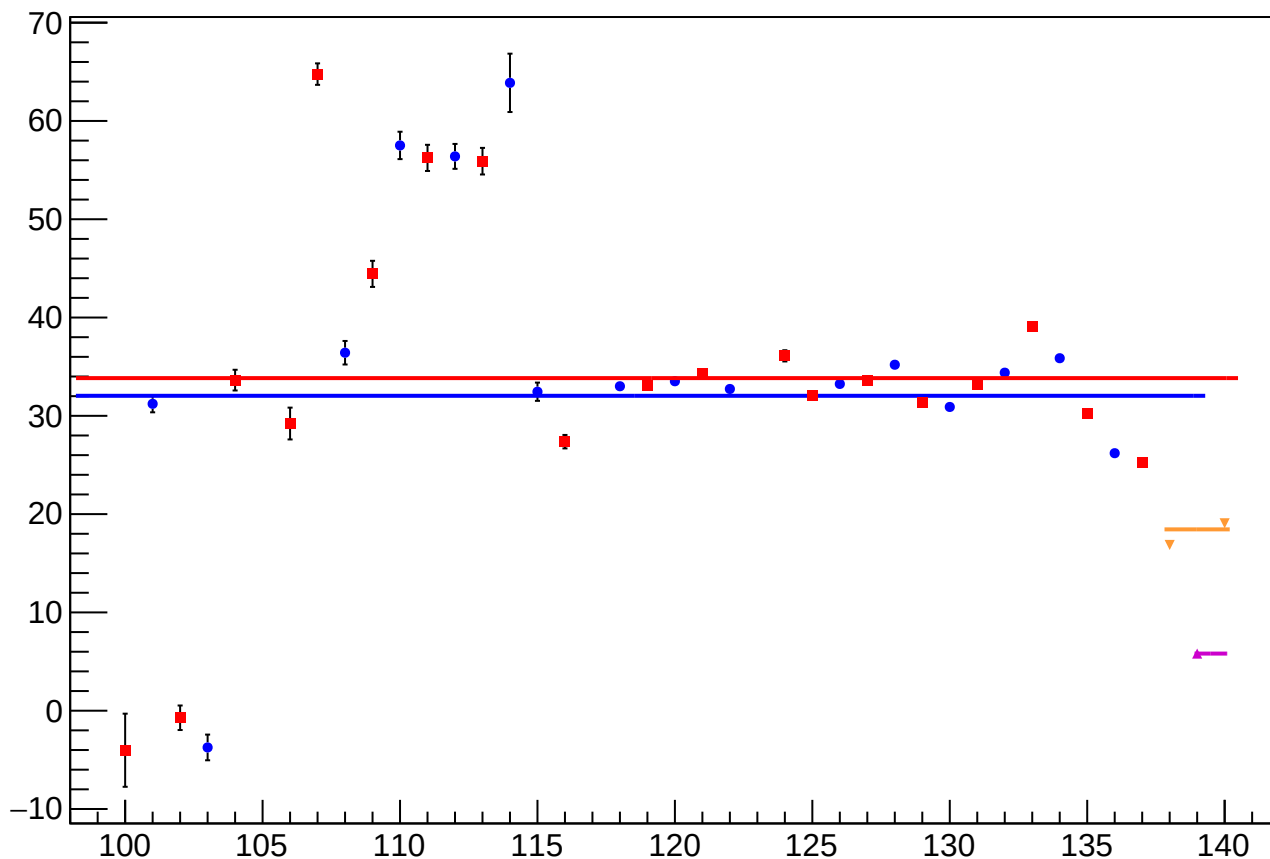
Left In: -6.542 ± 0.143 χ^2/NDF : 0.0/0

+ sign -2.965 ± 0.064 χ^2/NDF : 8228.4/17

All: -3.367 ± 0.048 χ^2/NDF : 16978.9/37

- sign -3.883 ± 0.073 χ^2/NDF : 8661.9/19

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF : 3255.9/15

Left Out: 18.448+/-0.103 χ^2/NDF : 91.4/1

Right Out: 33.837+/-0.082 χ^2/NDF : 4237.8/18

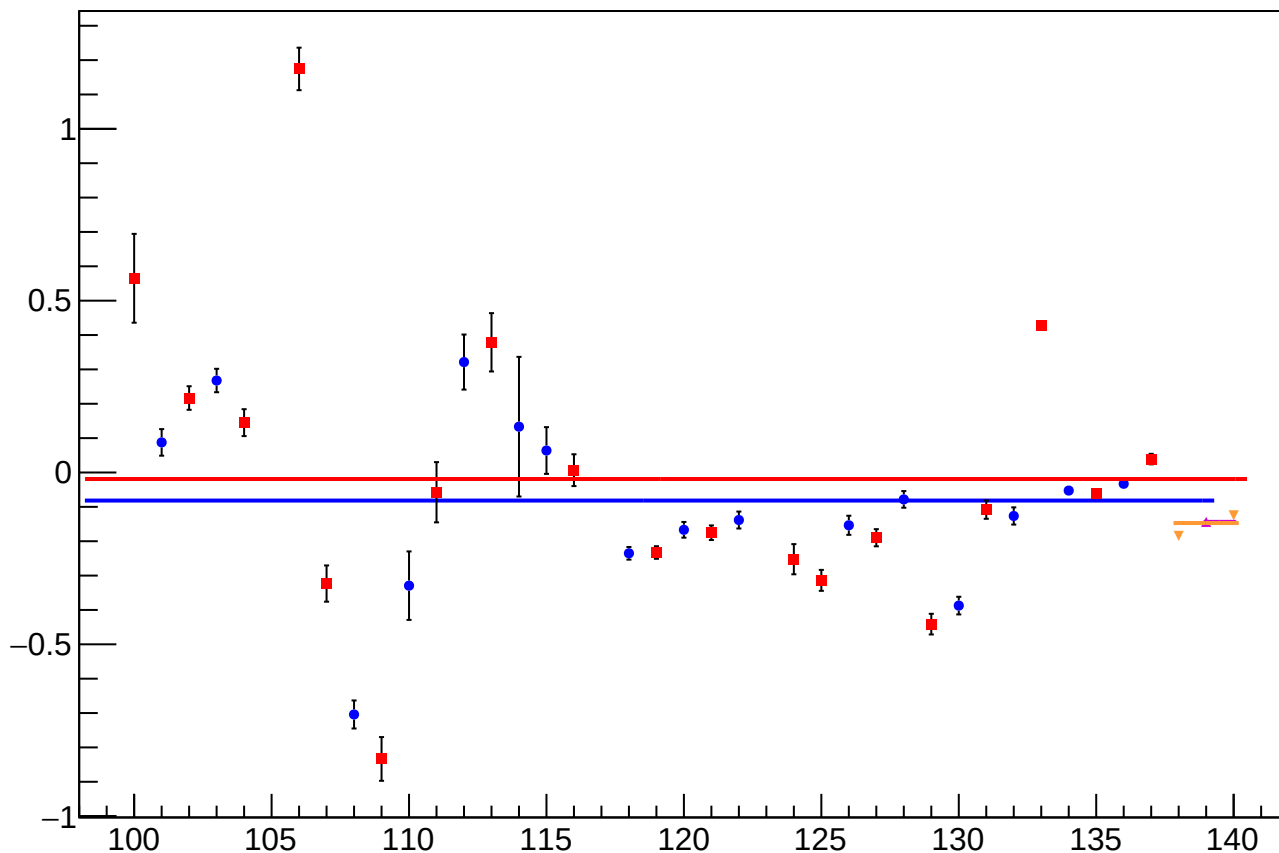
Left In: 5.811+/-0.244 χ^2/NDF : 0.0/0

+ sign 26.850+/-0.064 χ^2/NDF : 14016.6/17

All: 28.543+/-0.049 χ^2/NDF : 31812.4/37

- sign 31.026+/-0.077 χ^2/NDF : 16066.0/19

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: -0.147 ± 0.004 χ^2/NDF : 44.3/1

Right Out: -0.019 ± 0.005 χ^2/NDF : 2273.7/18

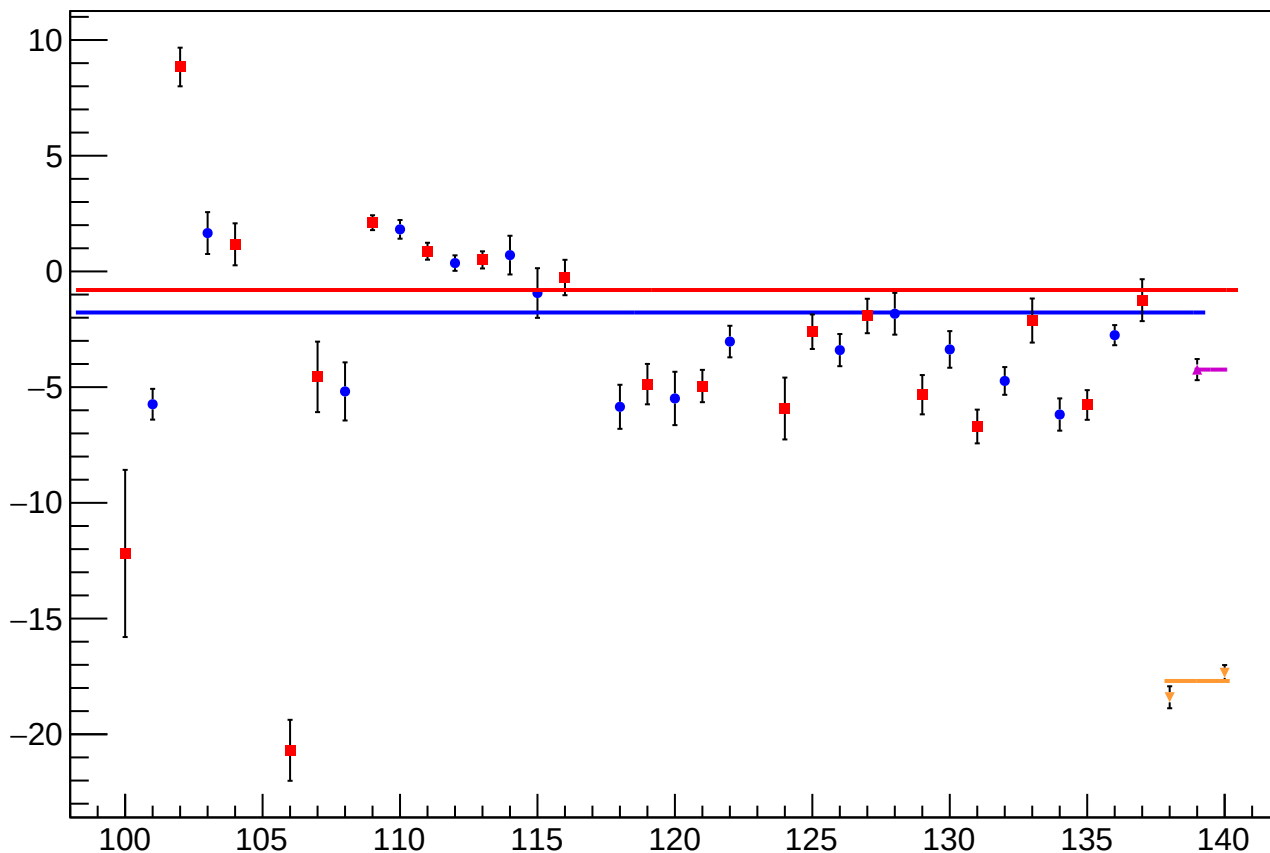
Left In: -0.144 ± 0.005 χ^2/NDF : 0.0/0

+ sign -0.118 ± 0.003 χ^2/NDF : 834.7/17

All: -0.102 ± 0.002 χ^2/NDF : 3450.6/37

- sign -0.081 ± 0.004 χ^2/NDF : 2559.4/19

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775 ± 0.157 χ^2/NDF : 297.7/15

Left Out: -17.696 ± 0.274 χ^2/NDF : 3.3/1

Right Out: -0.803 ± 0.148 χ^2/NDF : 733.7/18

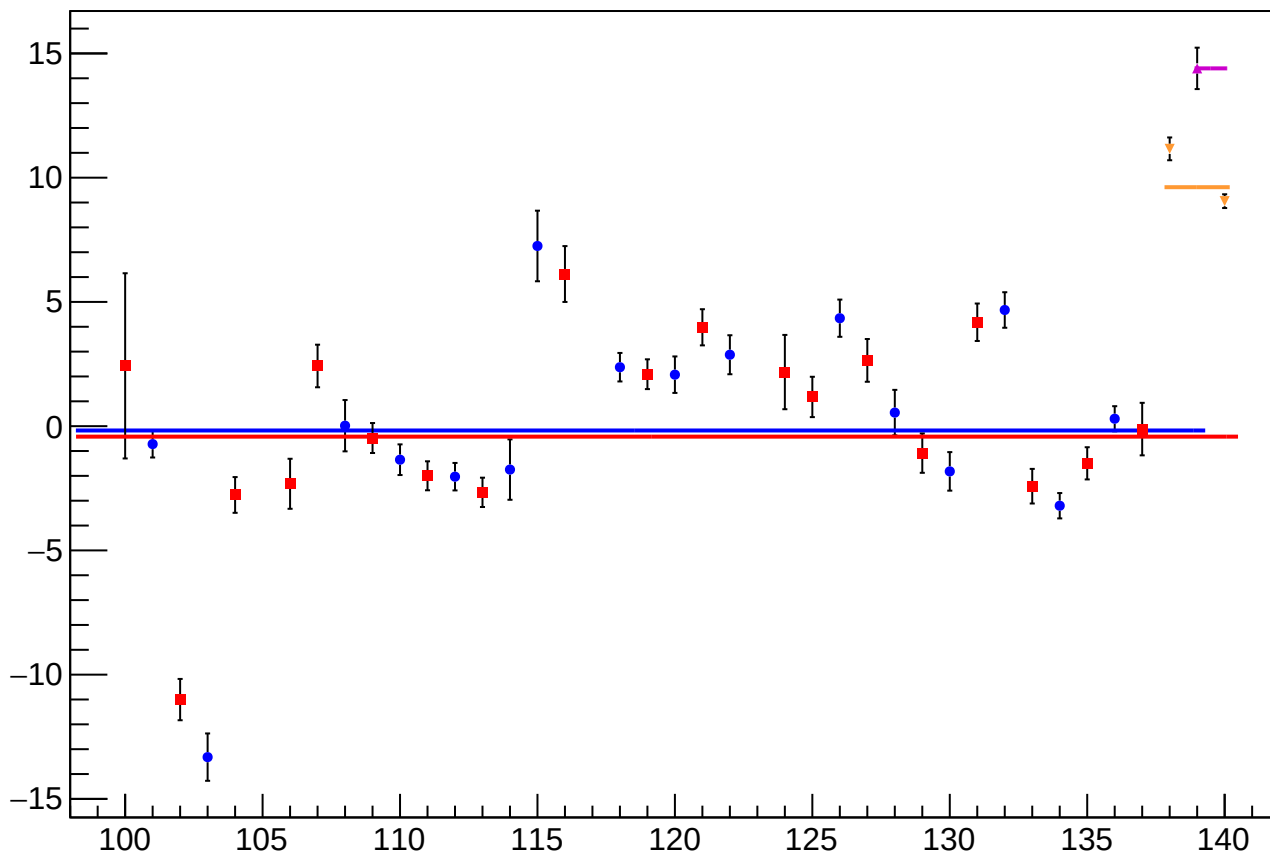
Left In: -4.242 ± 0.457 χ^2/NDF : 0.0/0

+ sign -5.717 ± 0.136 χ^2/NDF : 2843.2/17

All: -3.503 ± 0.098 χ^2/NDF : 4174.8/37

- sign -1.131 ± 0.141 χ^2/NDF : 784.9/19

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174 ± 0.173 χ^2/NDF : 403.1/15

Left Out: 9.617 ± 0.237 χ^2/NDF : 15.4/1

Right Out: -0.421 ± 0.177 χ^2/NDF : 366.3/18

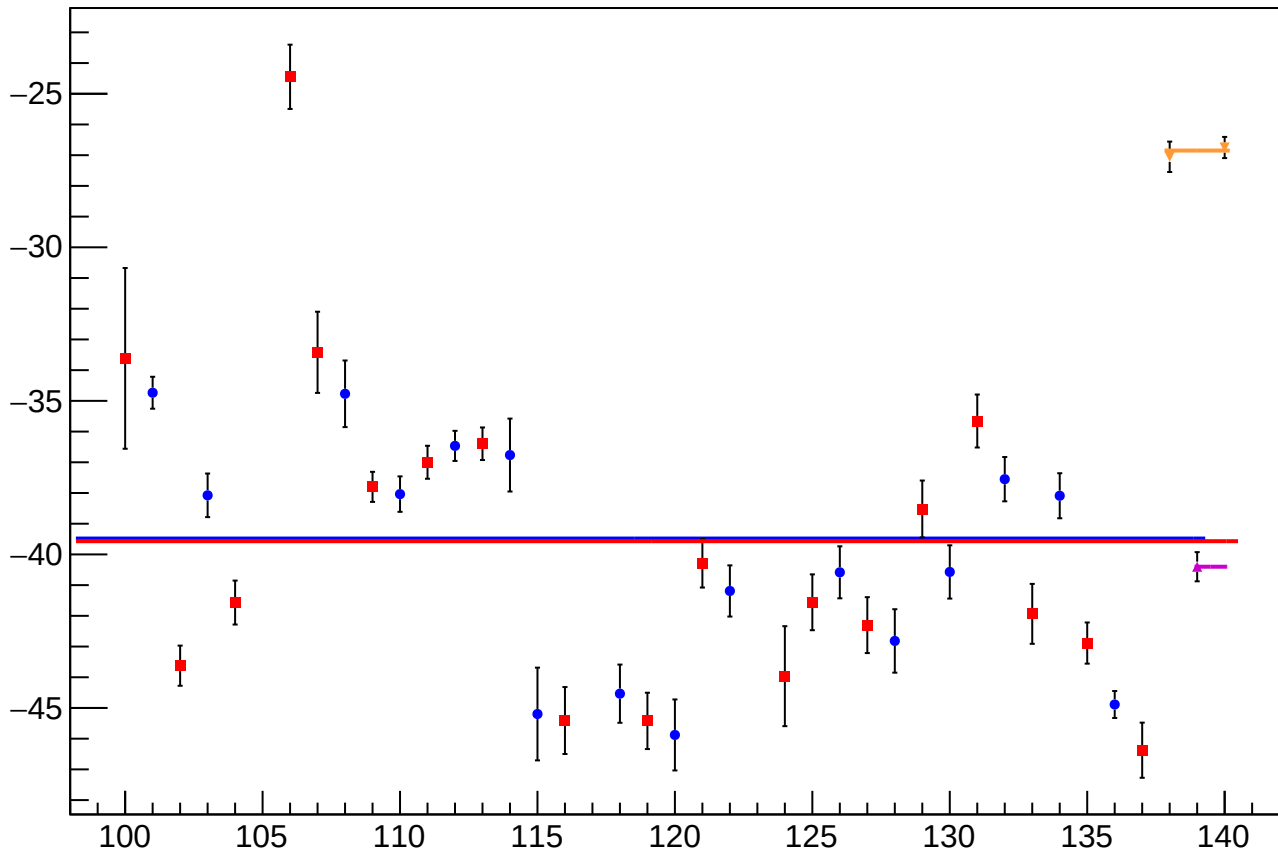
Left In: 14.399 ± 0.833 χ^2/NDF : 0.0/0

+ sign 3.230 ± 0.140 χ^2/NDF : 1532.1/17

All: 2.045 ± 0.109 χ^2/NDF : 2383.8/37

- sign 0.220 ± 0.173 χ^2/NDF : 668.9/19

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484 ± 0.180 χ^2/NDF : 409.3/15

Left Out: -26.849 ± 0.283 χ^2/NDF : 0.3/1

Right Out: -39.570 ± 0.181 χ^2/NDF : 553.5/18

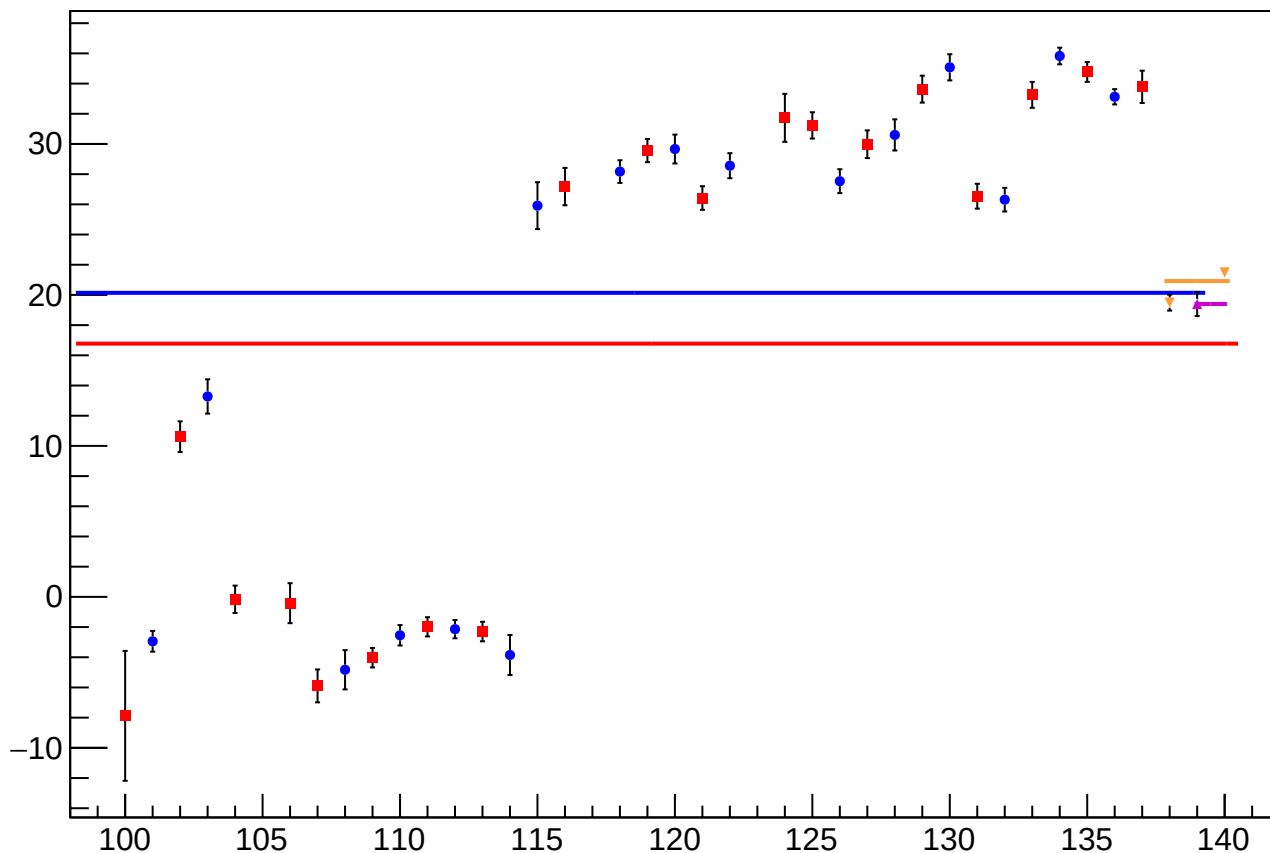
Left In: -40.401 ± 0.475 χ^2/NDF : 0.0/0

+ sign -35.838 ± 0.152 χ^2/NDF : 1827.6/17

All: -37.553 ± 0.113 χ^2/NDF : 2668.4/37

- sign -39.675 ± 0.169 χ^2/NDF : 556.2/19

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140 $\pm$ 0.195 χ^2 /NDF: 6684.6/15

Left Out: 20.921 $\pm$ 0.282 χ^2 /NDF:10.3/1

Right Out: 16.775 $\pm$ 0.200 χ^2 /NDF: 6739.1/18

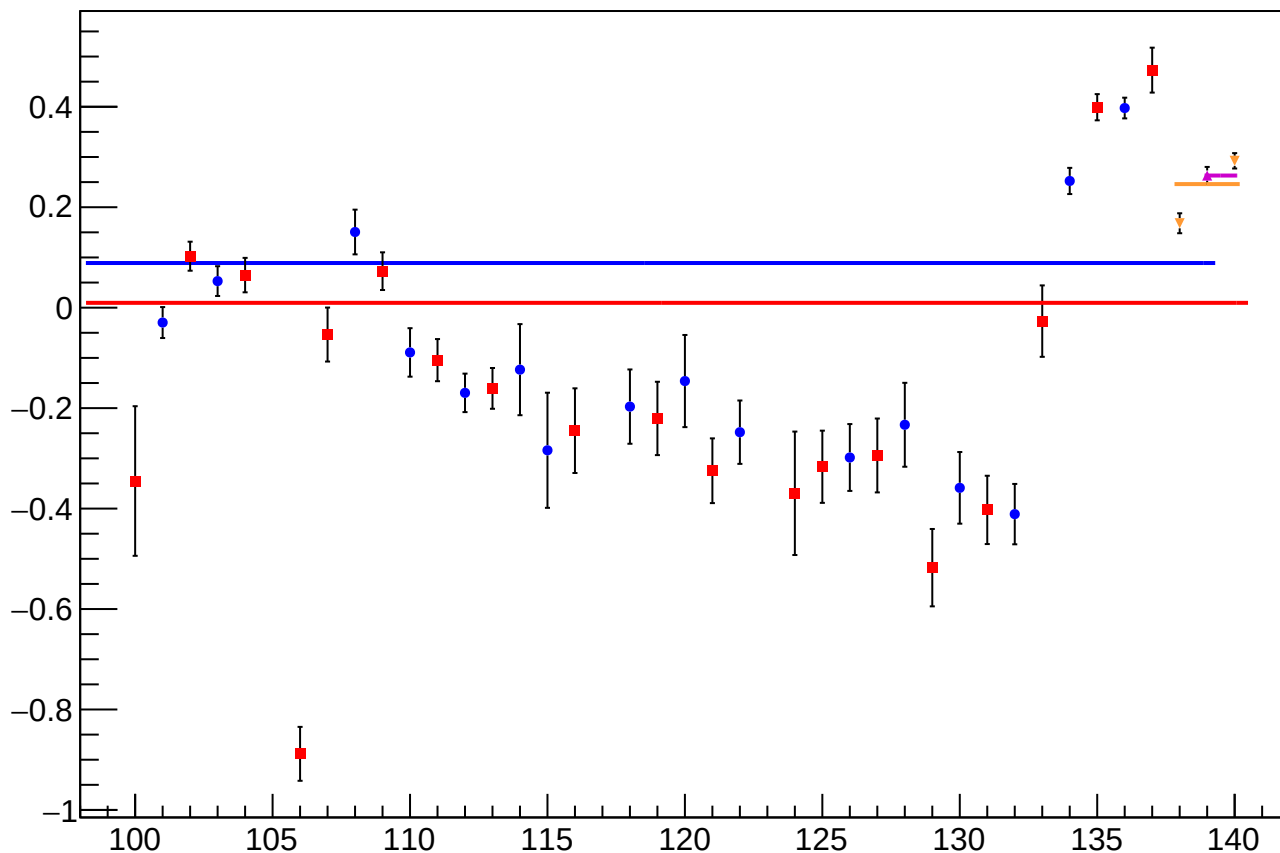
Left In: 19.400 $\pm$ 0.800 χ^2 /NDF:0.0/0

+ sign 20.392 $\pm$ 0.160 χ^2 /NDF: 6700.1/17

All: 18.986 $\pm$ 0.123 χ^2 /NDF: 13639.1/37

- sign 16.929 $\pm$ 0.194 χ^2 /NDF: 6749.2/19

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089 ± 0.010 χ^2/NDF : 563.9/15

Left Out: 0.246 ± 0.012 χ^2/NDF : 24.6/1

Right Out: 0.010 ± 0.011 χ^2/NDF : 834.8/18

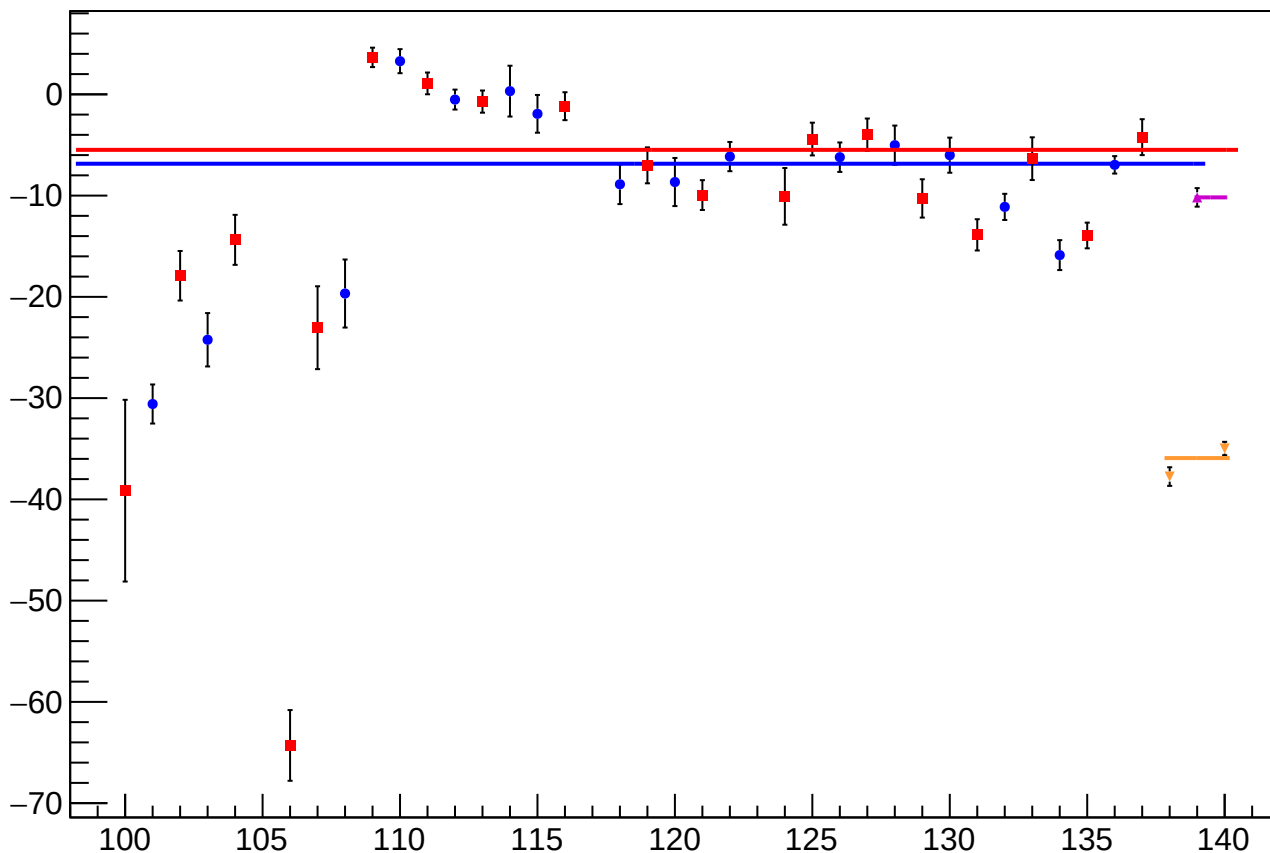
Left In: 0.263 ± 0.017 χ^2/NDF : 0.0/0

+ sign 0.156 ± 0.008 χ^2/NDF : 685.1/17

All: 0.125 ± 0.006 χ^2/NDF : 1709.4/37

- sign 0.084 ± 0.009 χ^2/NDF : 989.4/19

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853 ± 0.376 χ^2/NDF : 390.1/15

Left Out: -35.921 ± 0.536 χ^2/NDF : 6.0/1

Right Out: -5.483 ± 0.369 χ^2/NDF : 606.5/18

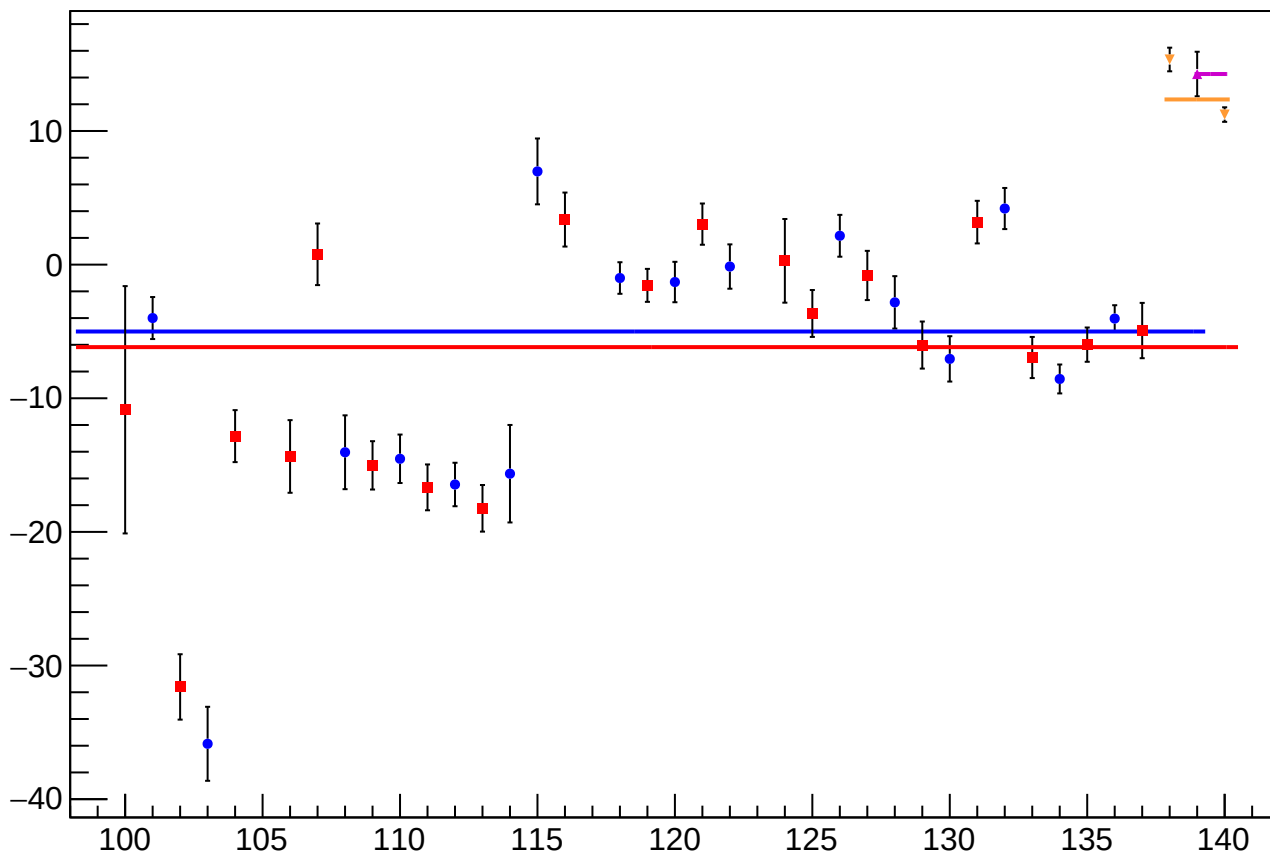
Left In: -10.176 ± 0.916 χ^2/NDF : 0.0/0

+ sign -16.415 ± 0.308 χ^2/NDF : 2366.4/17

All: -11.822 ± 0.229 χ^2/NDF : 3494.2/37

- sign -6.138 ± 0.342 χ^2/NDF : 629.1/19

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005 ± 0.395 χ^2/NDF : 341.7/15

Left Out: 12.361 ± 0.464 χ^2/NDF : 15.7/1

Right Out: -6.173 ± 0.417 χ^2/NDF : 369.1/18

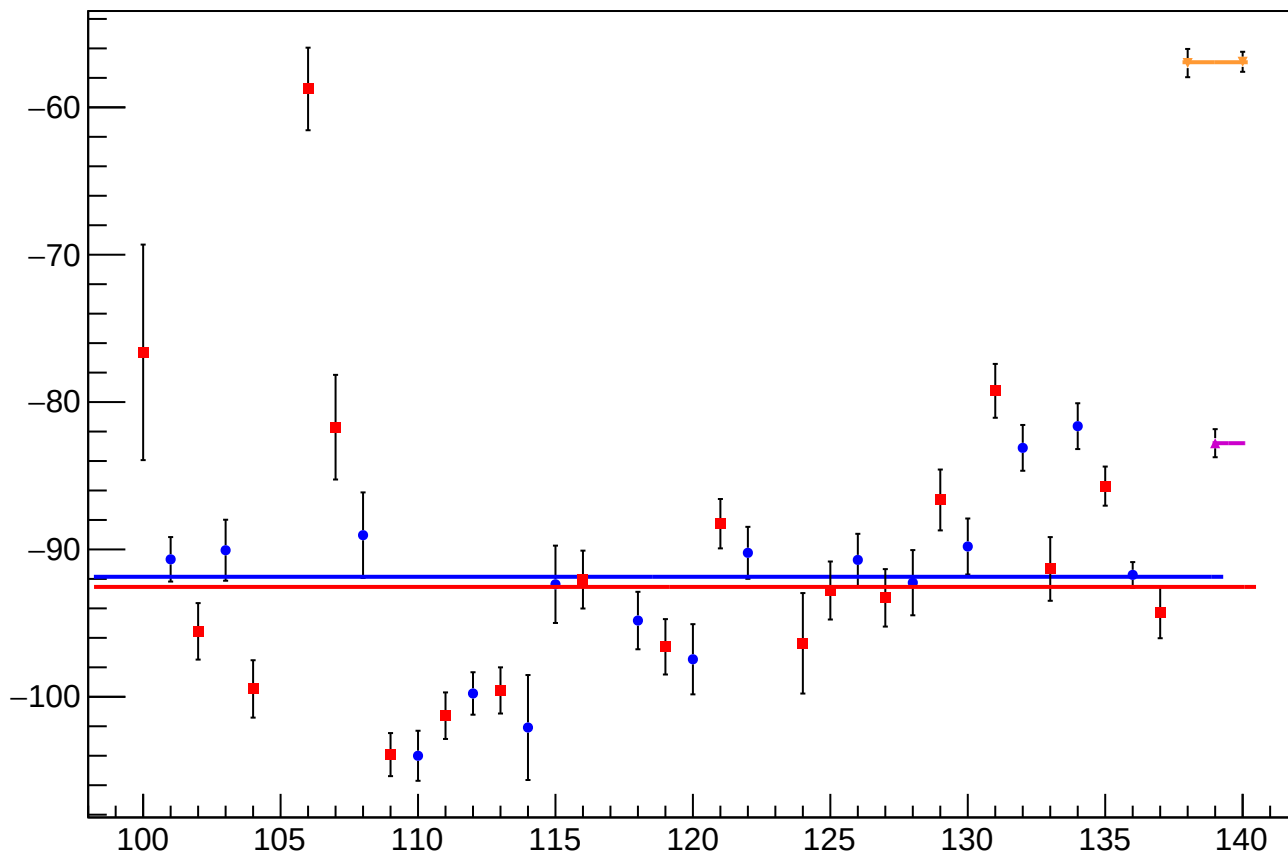
Left In: 14.264 ± 1.666 χ^2/NDF : 0.0/0

+ sign 2.305 ± 0.301 χ^2/NDF : 1169.8/17

All: -0.289 ± 0.241 χ^2/NDF : 1889.1/37

- sign -4.971 ± 0.404 χ^2/NDF : 510.7/19

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856 ± 0.424 χ^2/NDF : 177.3/15

Left Out: -56.938 ± 0.554 χ^2/NDF : 0.0/1

Right Out: -92.544 ± 0.439 χ^2/NDF : 387.8/18

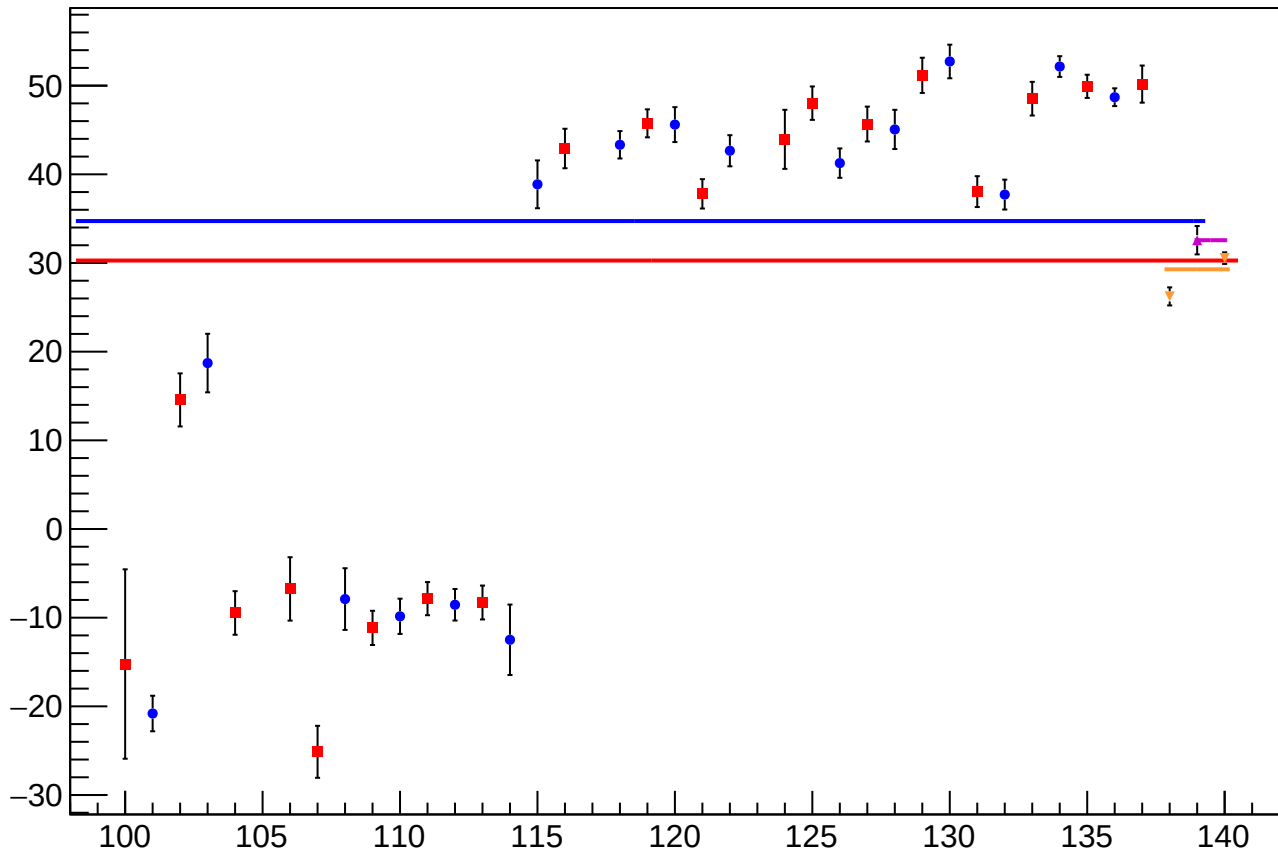
Left In: -82.790 ± 0.953 χ^2/NDF : 0.0/0

+ sign -78.964 ± 0.337 χ^2/NDF : 2680.8/17

All: -83.904 ± 0.257 χ^2/NDF : 3671.9/37

- sign -90.835 ± 0.399 χ^2/NDF : 474.1/19

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729 $\pm$ 0.442 χ^2 /NDF: 2809.1/15

Left Out: 29.286 $\pm$ 0.551 χ^2 /NDF:12.7/1

Right Out: 30.279 $\pm$ 0.467 χ^2 /NDF: 2911.2/18

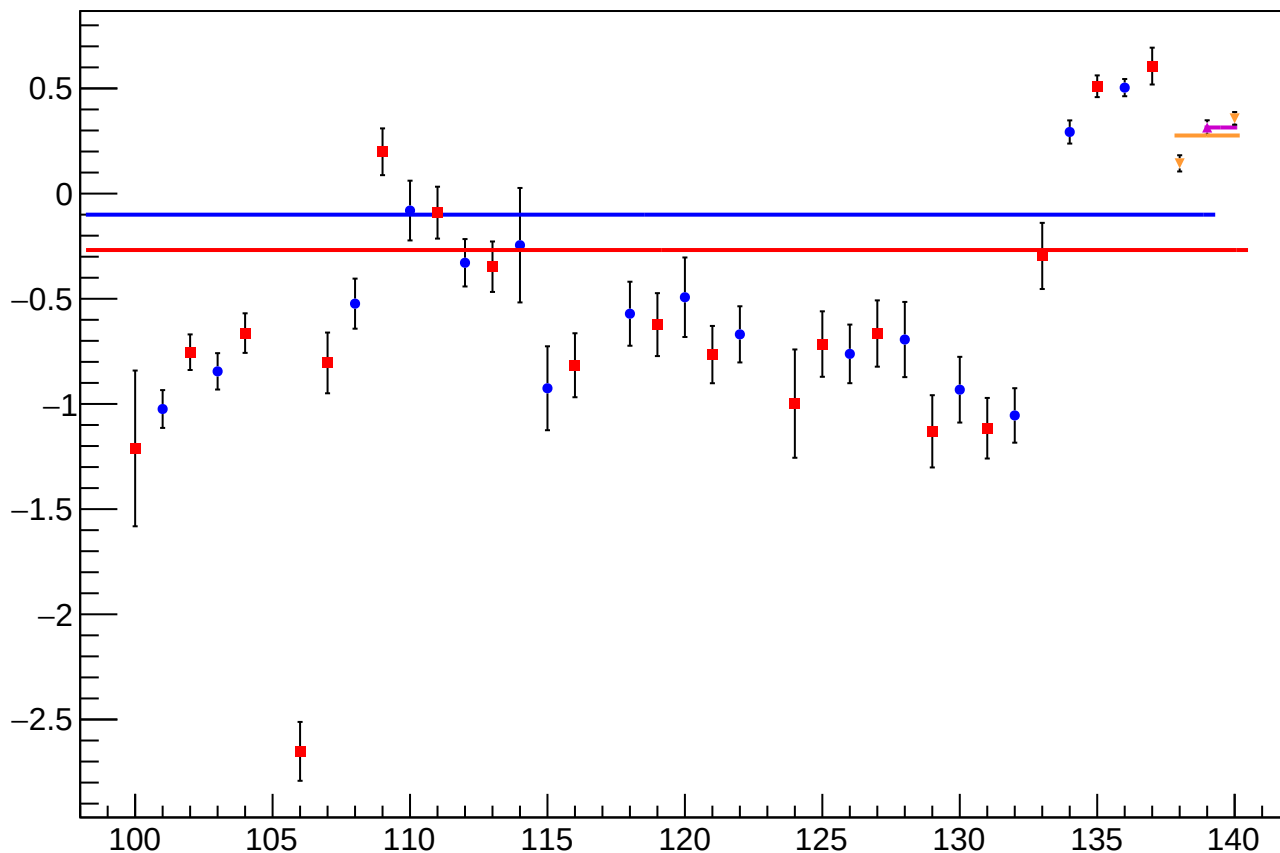
Left In: 32.569 $\pm$ 1.599 χ^2 /NDF:0.0/0

+ sign 32.600 $\pm$ 0.345 χ^2 /NDF: 2881.1/17

All: 31.804 $\pm$ 0.273 χ^2 /NDF: 5808.6/37

- sign 30.459 $\pm$ 0.448 χ^2 /NDF: 2913.1/19

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.024 χ^2/NDF : 631.4/15

Left Out: 0.276 ± 0.024 χ^2/NDF : 19.0/1

Right Out: -0.268 ± 0.026 χ^2/NDF : 822.4/18

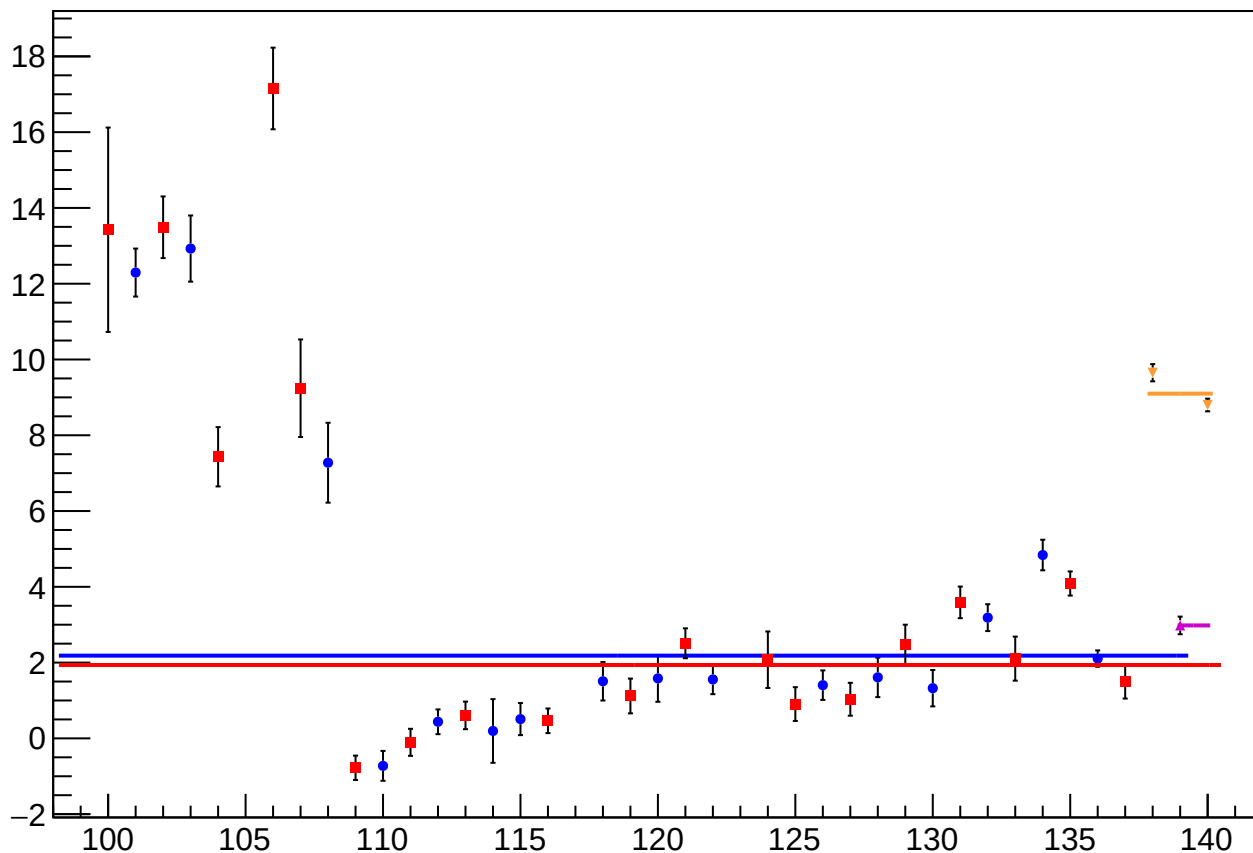
Left In: 0.314 ± 0.034 χ^2/NDF : 0.0/0

+ sign 0.090 ± 0.017 χ^2/NDF : 774.4/17

All: 0.034 ± 0.013 χ^2/NDF : 1806.2/37

- sign -0.052 ± 0.021 χ^2/NDF : 1003.9/19

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184 $\pm$ 0.105 χ^2 /NDF: 599.3/15

Left Out: 9.099 $\pm$ 0.135 χ^2 /NDF: 9.1/1

Right Out: 1.936 $\pm$ 0.105 χ^2 /NDF: 717.1/18

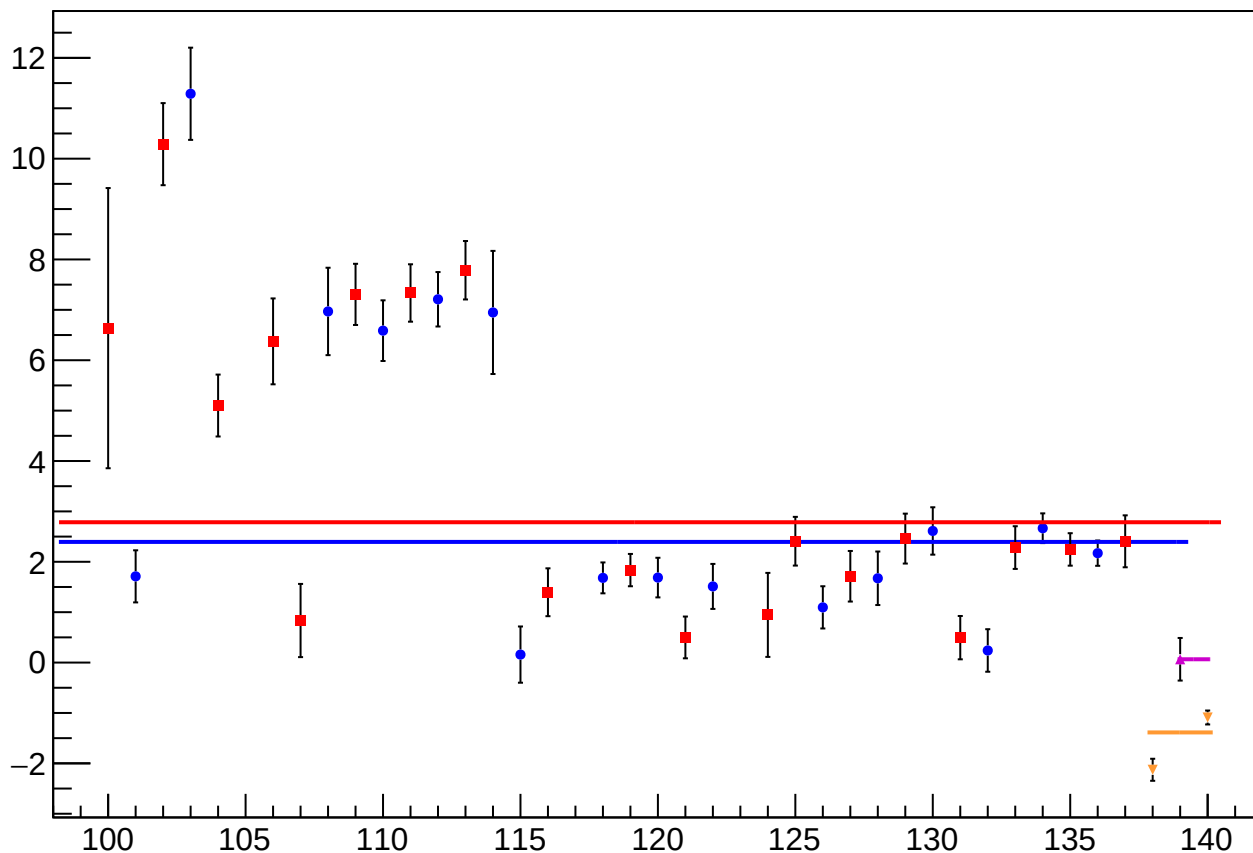
Left In: 2.981 $\pm$ 0.233 χ^2 /NDF: 0.0/0

+ sign 4.789 $\pm$ 0.083 χ^2 /NDF: 2243.0/17

All: 3.648 $\pm$ 0.063 χ^2 /NDF: 3421.2/37

- sign 2.114 $\pm$ 0.096 χ^2 /NDF: 733.8/19

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: -1.386 ± 0.117 χ^2/NDF : 16.1/1

Right Out: 2.785 ± 0.116 χ^2/NDF : 410.9/18

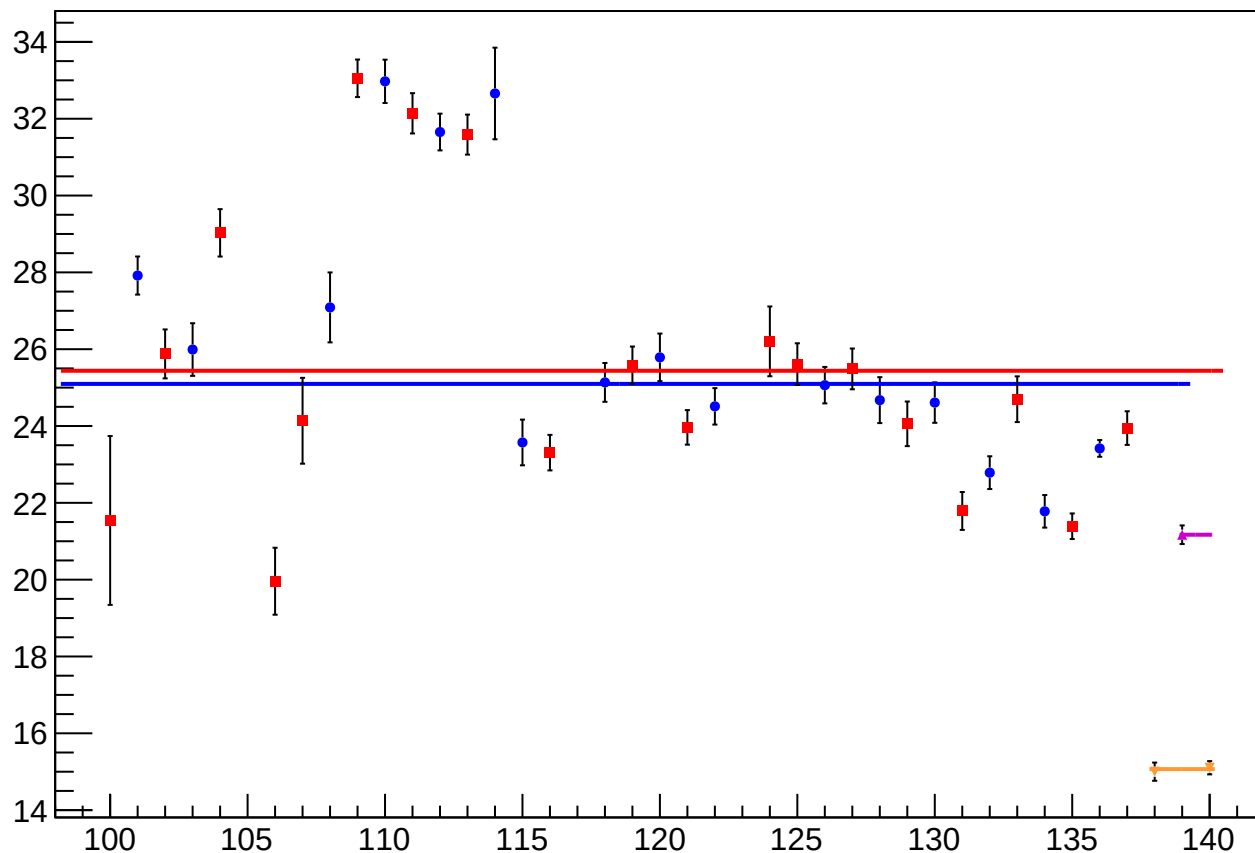
Left In: 0.066 ± 0.423 χ^2/NDF : 0.0/0

+ sign 0.646 ± 0.079 χ^2/NDF : 913.0/17

All: 1.300 ± 0.065 χ^2/NDF : 1564.3/37

- sign 2.595 ± 0.112 χ^2/NDF : 449.4/19

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096 $\pm$ 0.118 χ^2 /NDF: 622.9/15

Left Out: 15.068 $\pm$ 0.140 χ^2 /NDF: 0.1/1

Right Out: 25.438 $\pm$ 0.124 χ^2 /NDF: 877.6/18

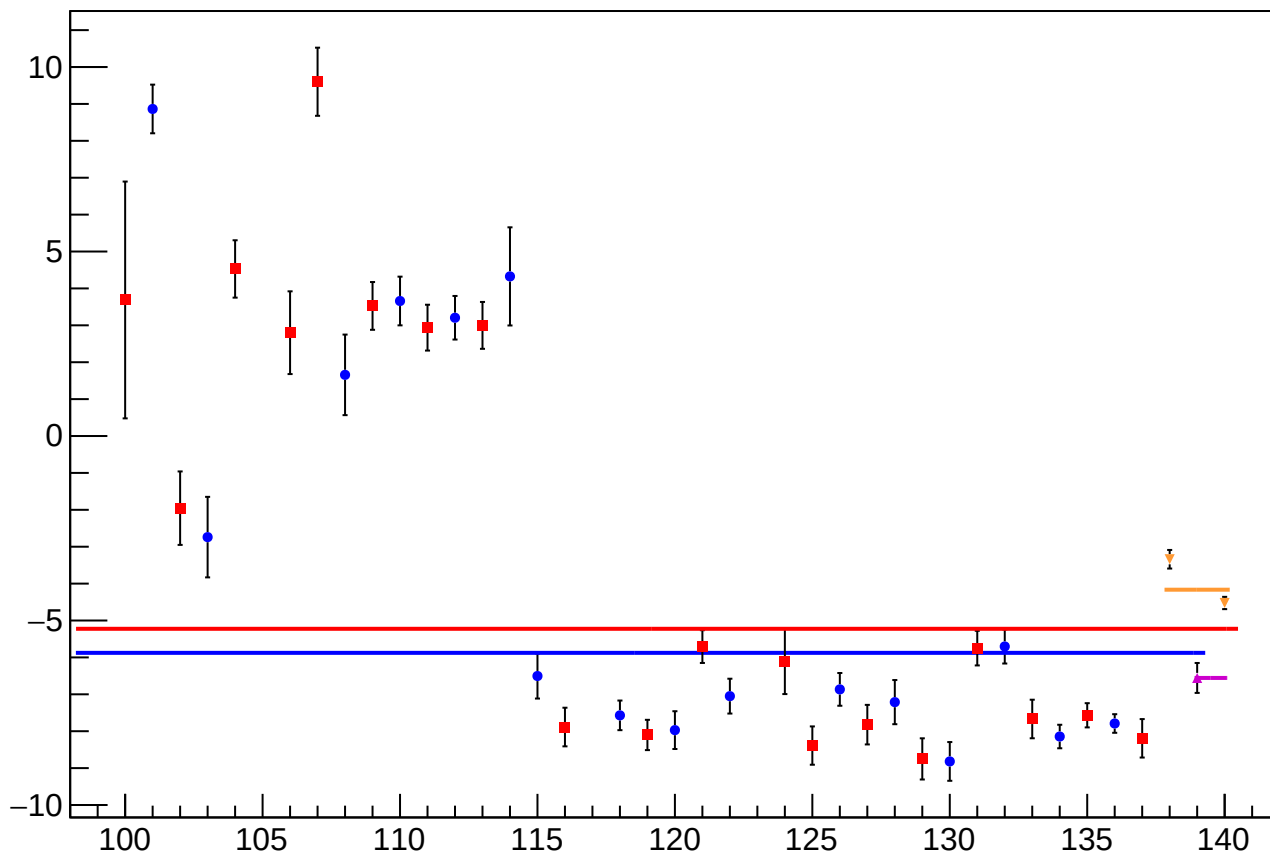
Left In: 21.170 $\pm$ 0.242 χ^2 /NDF: 0.0/0

+ sign 20.934 $\pm$ 0.090 χ^2 /NDF: 3644.8/17

All: 22.376 $\pm$ 0.070 χ^2 /NDF: 5414.2/37

- sign 24.552 $\pm$ 0.110 χ^2 /NDF: 1123.4/19

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876 ± 0.121 χ^2/NDF : 1251.4/15

Left Out: -4.165 ± 0.139 χ^2/NDF : 15.4/1

Right Out: -5.225 ± 0.129 χ^2/NDF : 1292.0/18

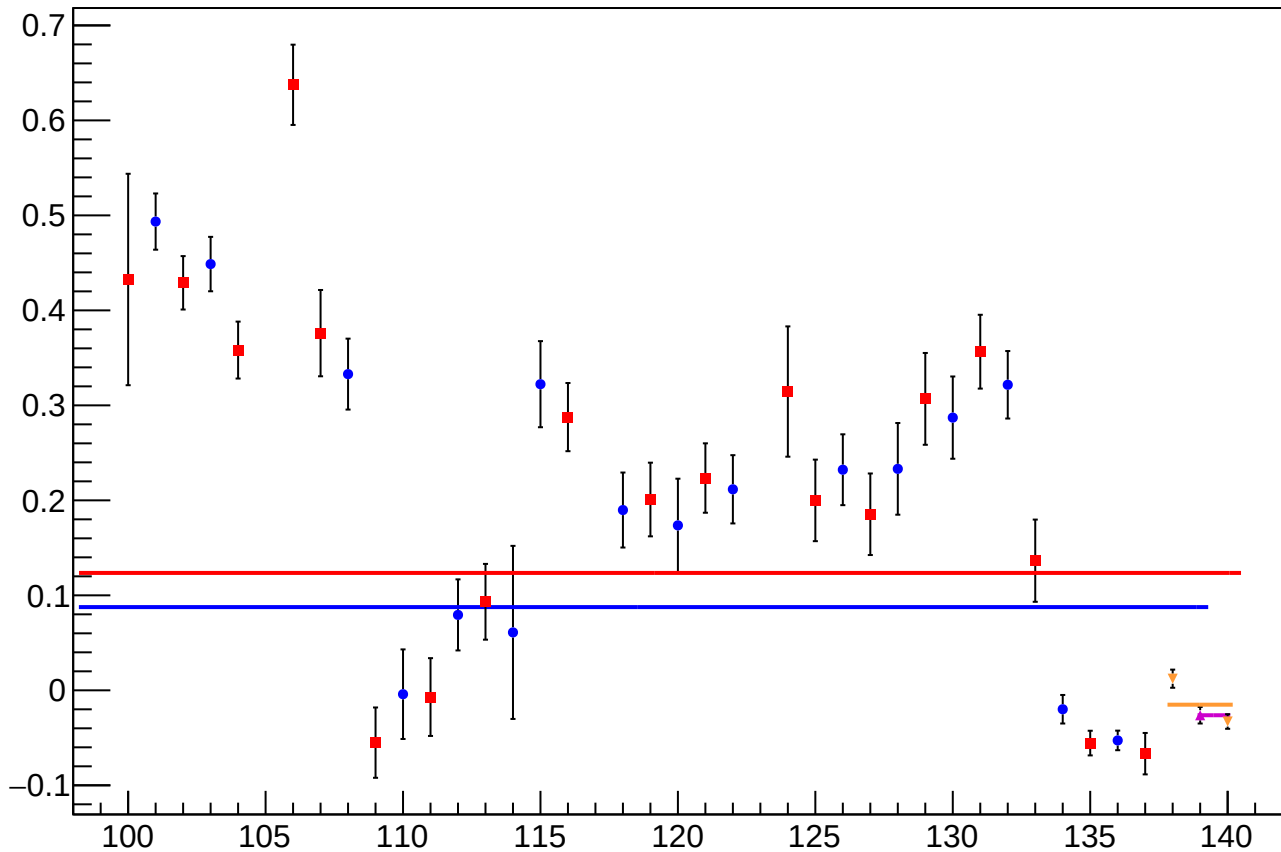
Left In: -6.556 ± 0.406 χ^2/NDF : 0.0/0

+ sign -5.140 ± 0.091 χ^2/NDF : 1353.3/17

All: -5.213 ± 0.073 χ^2/NDF : 2656.9/37

- sign -5.348 ± 0.123 χ^2/NDF : 1301.8/19

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088 ± 0.007 χ^2/NDF : 768.0/15

Left Out: -0.015 ± 0.006 χ^2/NDF : 13.5/1

Right Out: 0.124 ± 0.007 χ^2/NDF : 762.3/18

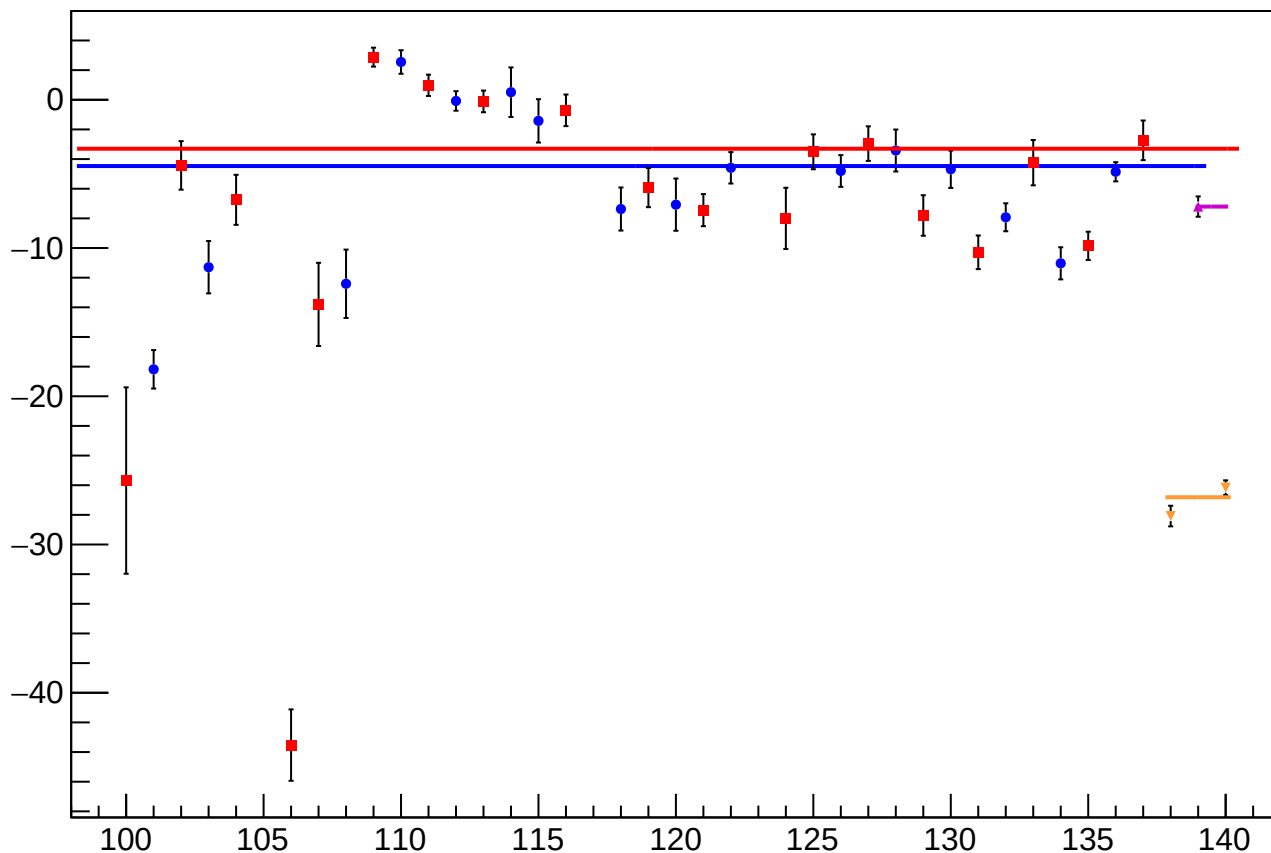
Left In: -0.026 ± 0.009 χ^2/NDF : 0.0/0

+ sign 0.031 ± 0.004 χ^2/NDF : 914.6/17

All: 0.043 ± 0.003 χ^2/NDF : 1868.0/37

- sign 0.061 ± 0.006 χ^2/NDF : 935.7/19

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471 ± 0.268 χ^2/NDF : 331.8/15

Left Out: -26.813 ± 0.404 χ^2/NDF : 5.0/1

Right Out: -3.302 ± 0.261 χ^2/NDF : 584.6/18

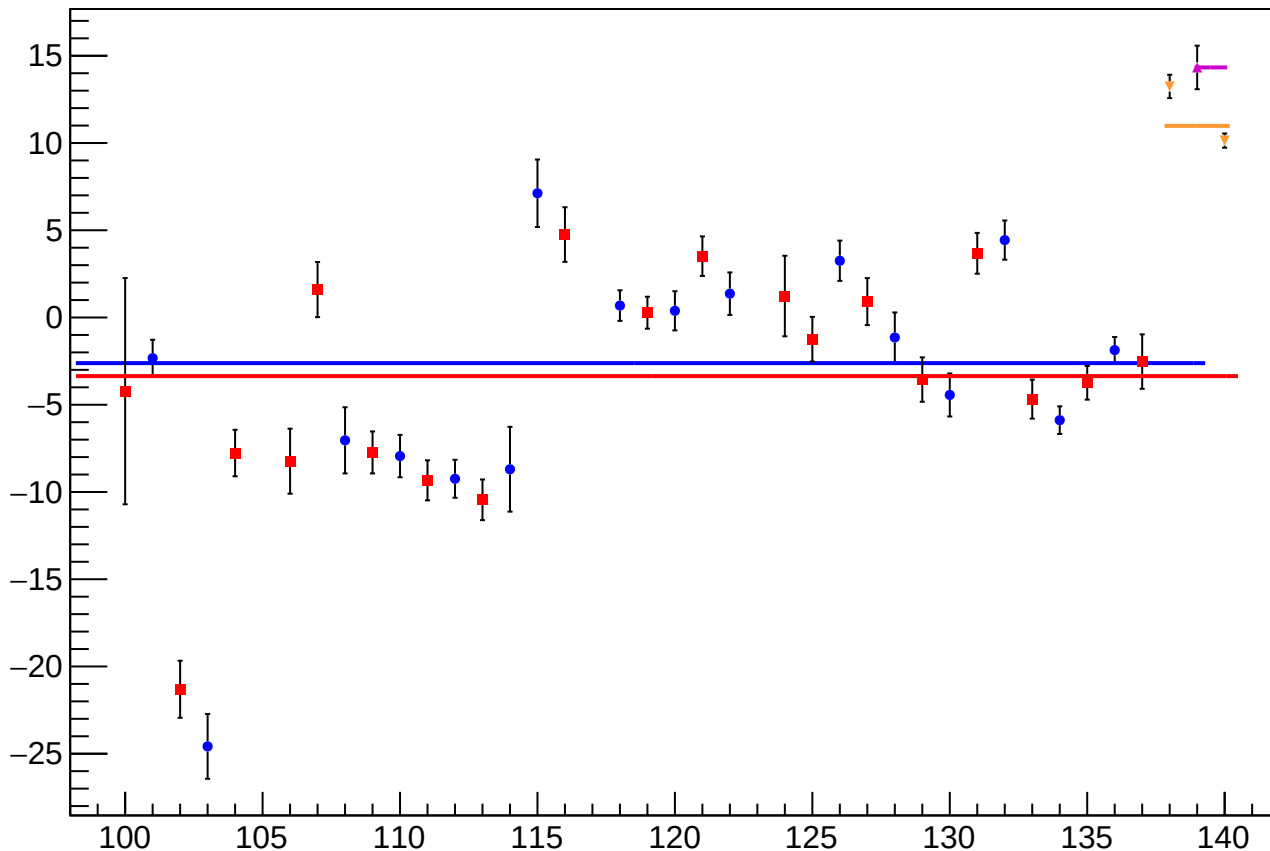
Left In: -7.204 ± 0.685 χ^2/NDF : 0.0/0

+ sign -11.315 ± 0.224 χ^2/NDF : 2458.9/17

All: -7.879 ± 0.165 χ^2/NDF : 3588.6/37

- sign -3.796 ± 0.244 χ^2/NDF : 612.9/19

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615 ± 0.286 χ^2/NDF : 351.9/15

Left Out: 10.982 ± 0.349 χ^2/NDF : 15.6/1

Right Out: -3.359 ± 0.299 χ^2/NDF : 359.6/18

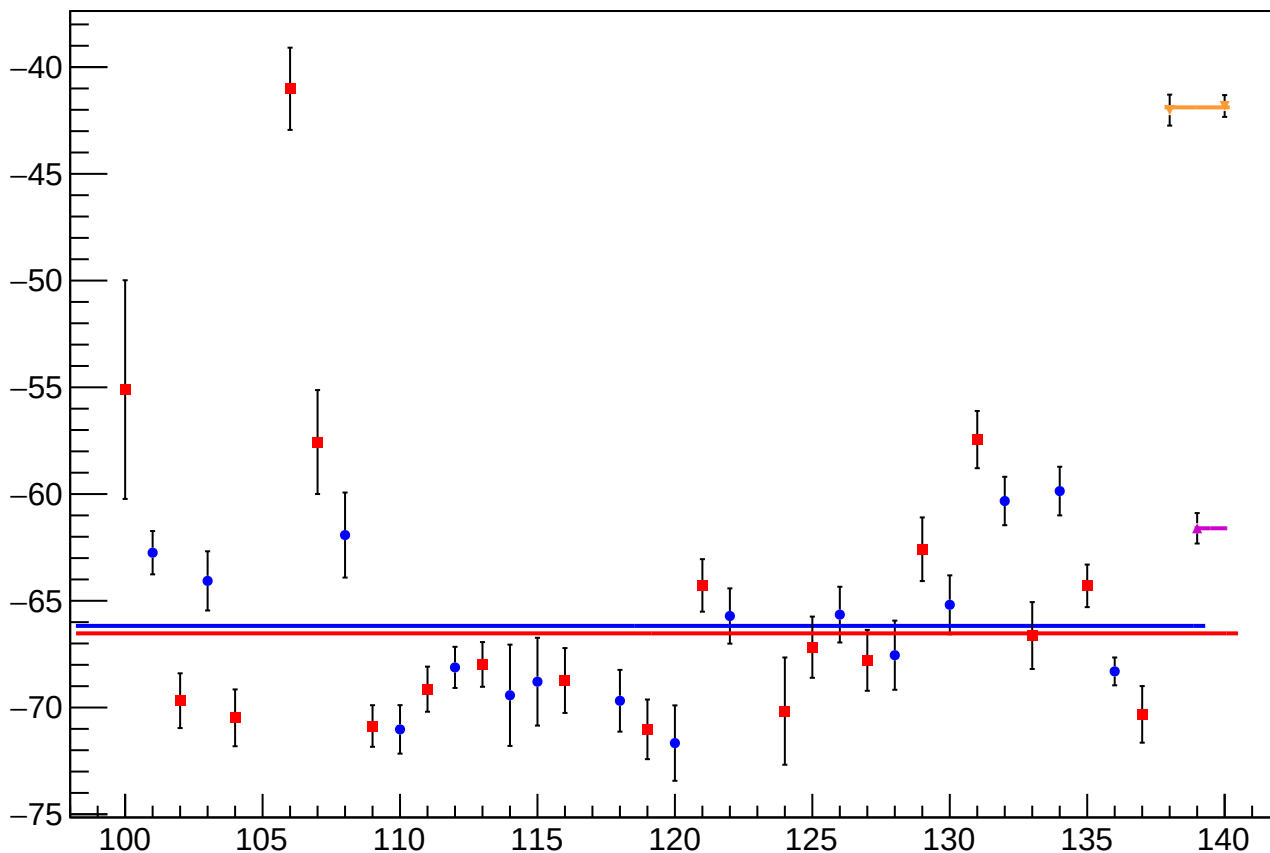
Left In: 14.331 ± 1.248 χ^2/NDF : 0.0/0

+ sign 2.839 ± 0.221 χ^2/NDF : 1275.9/17

All: 0.917 ± 0.176 χ^2/NDF : 2031.5/37

- sign -2.400 ± 0.291 χ^2/NDF : 549.7/19

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176 ± 0.304 χ^2/NDF : 129.2/15

Left Out: -41.886 ± 0.417 χ^2/NDF : 0.0/1

Right Out: -66.526 ± 0.312 χ^2/NDF : 321.7/18

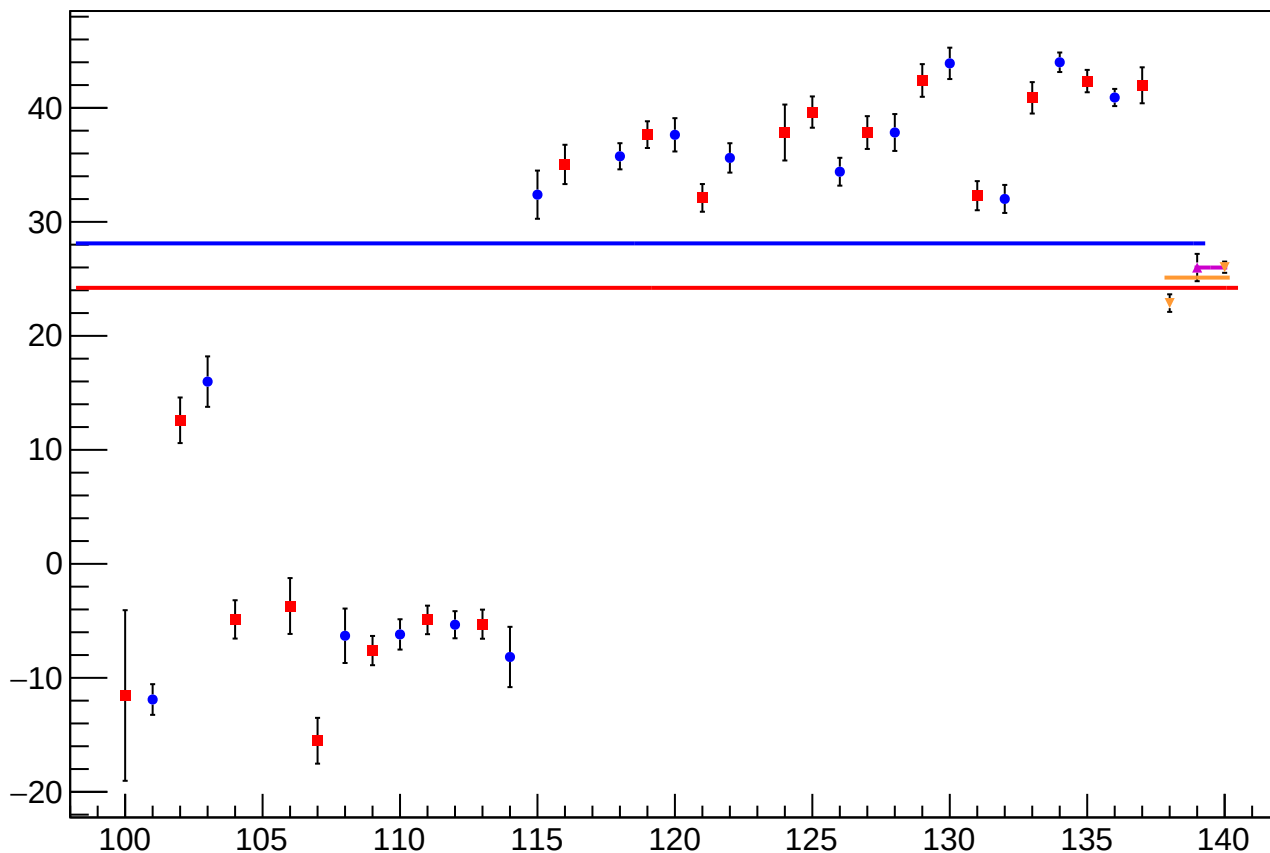
Left In: -61.604 ± 0.713 χ^2/NDF : 0.0/0

+ sign -57.744 ± 0.246 χ^2/NDF : 2340.6/17

All: -61.137 ± 0.187 χ^2/NDF : 3150.6/37

- sign -65.733 ± 0.286 χ^2/NDF : 361.7/19

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112 $\pm$ 0.320 χ^2 /NDF: 3727.7/15

Left Out: 25.111 $\pm$ 0.415 χ^2 /NDF: 11.8/1

Right Out: 24.212 $\pm$ 0.336 χ^2 /NDF: 3841.7/18

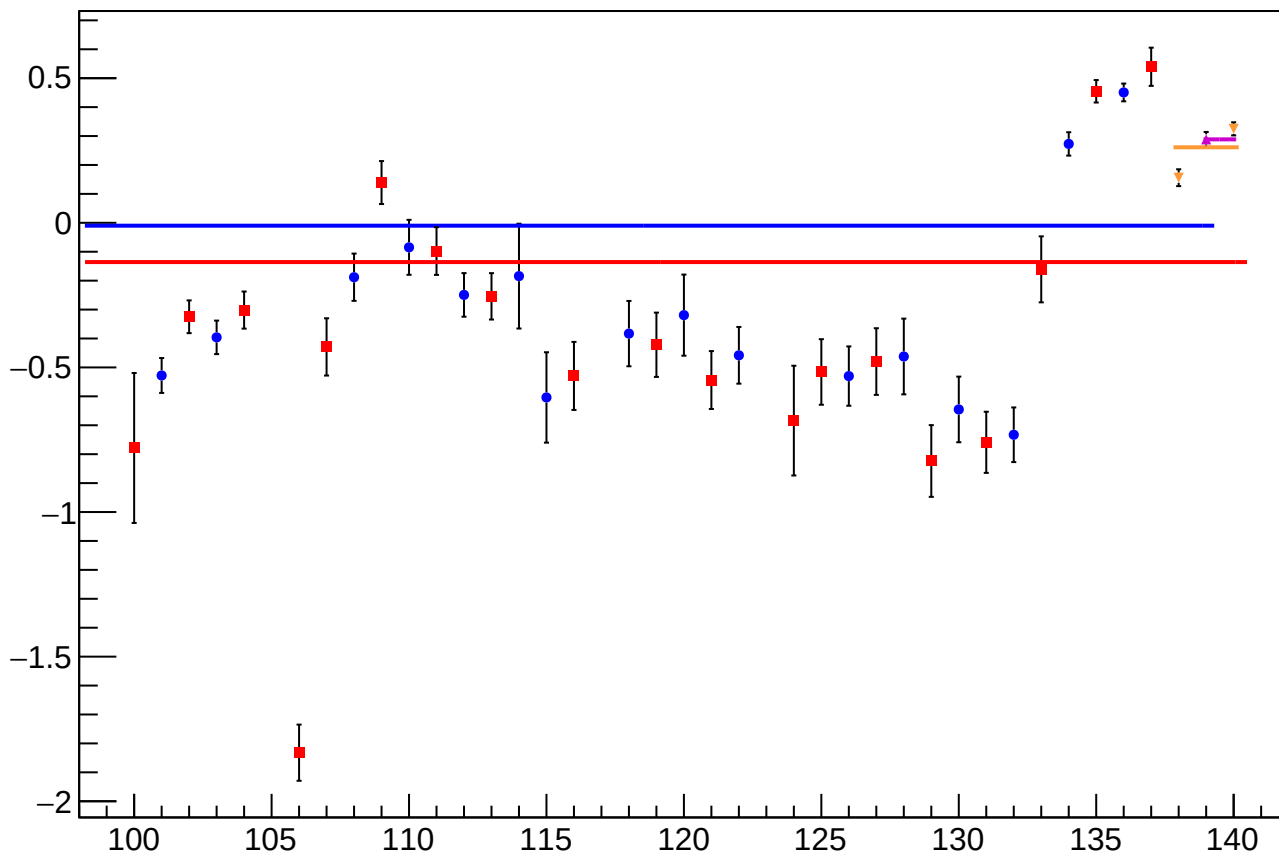
Left In: 25.994 $\pm$ 1.198 χ^2 /NDF: 0.0/0

+ sign 26.994 $\pm$ 0.253 χ^2 /NDF: 3772.3/17

All: 25.984 $\pm$ 0.199 χ^2 /NDF: 7657.7/37

- sign 24.342 $\pm$ 0.323 χ^2 /NDF: 3843.7/19

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010+/-0.017 χ^2/NDF : 587.4/15

Left Out: 0.261+/-0.018 χ^2/NDF : 20.9/1

Right Out: -0.136+/-0.019 χ^2/NDF : 818.5/18

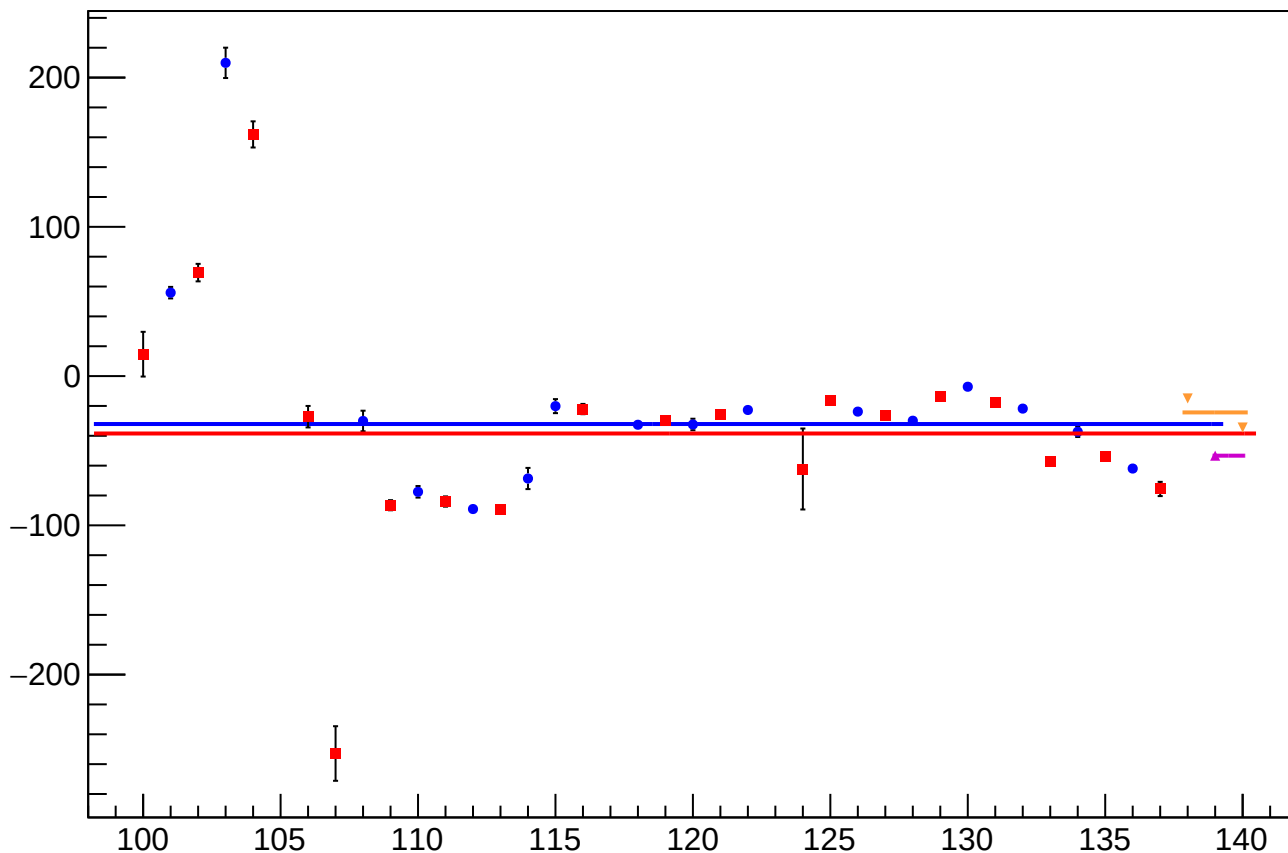
Left In: 0.289+/-0.026 χ^2/NDF : 0.0/0

+ sign 0.121+/-0.012 χ^2/NDF : 726.7/17

All: 0.078+/-0.010 χ^2/NDF : 1753.2/37

- sign 0.013+/-0.015 χ^2/NDF : 996.0/19

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117 ± 0.843 χ^2/NDF : 1877.5/15

Left Out: -24.342 ± 1.757 χ^2/NDF : 30.7/1

Right Out: -38.462 ± 0.864 χ^2/NDF : 1972.5/18

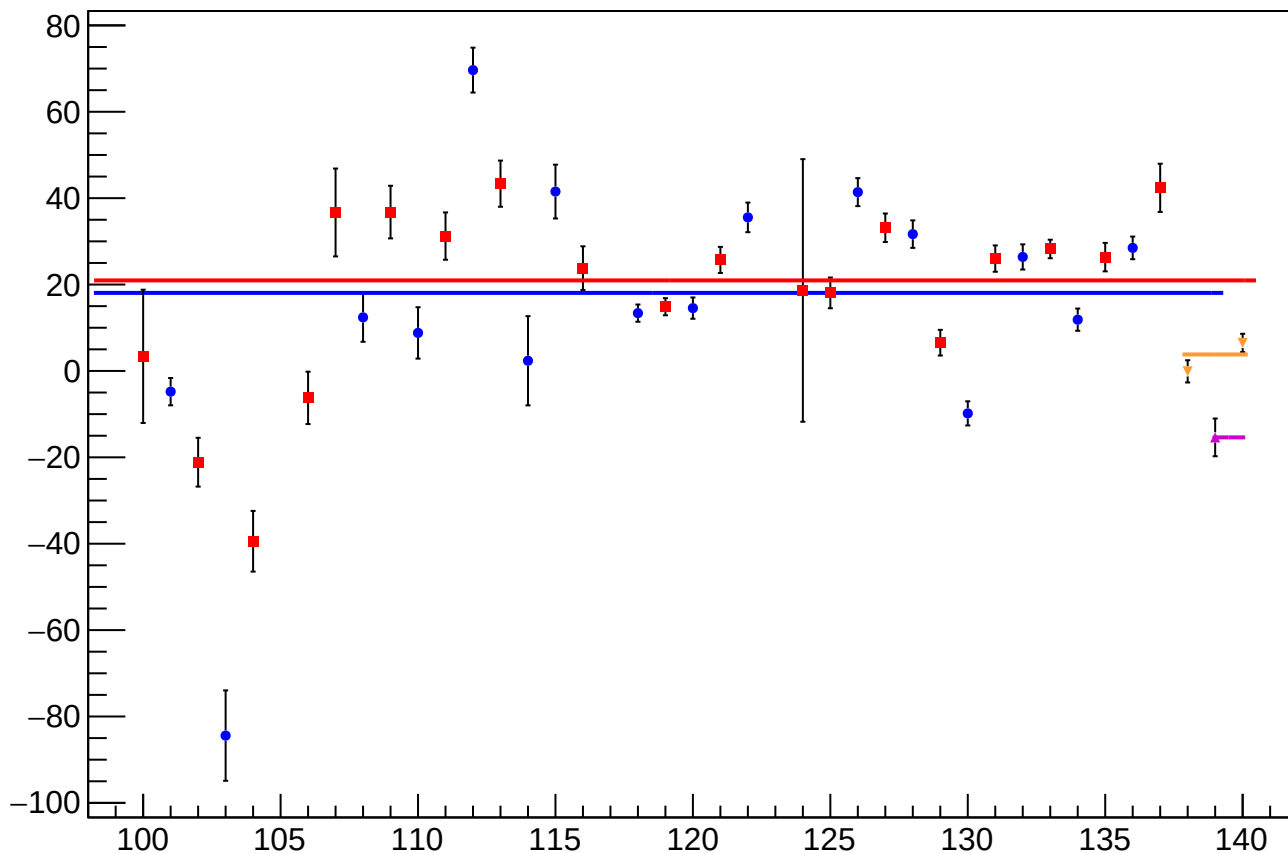
Left In: -53.322 ± 2.428 χ^2/NDF : 0.0/0

+ sign -30.663 ± 0.760 χ^2/NDF : 1924.1/17

All: -35.071 ± 0.556 χ^2/NDF : 4002.1/37

- sign -40.133 ± 0.814 χ^2/NDF : 2005.8/19

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068 $\pm$ 0.823 χ^2 /NDF: 499.6/15

Left Out: 3.819 $\pm$ 1.636 χ^2 /NDF: 3.9/1

Right Out: 20.959 $\pm$ 0.868 χ^2 /NDF: 262.6/18

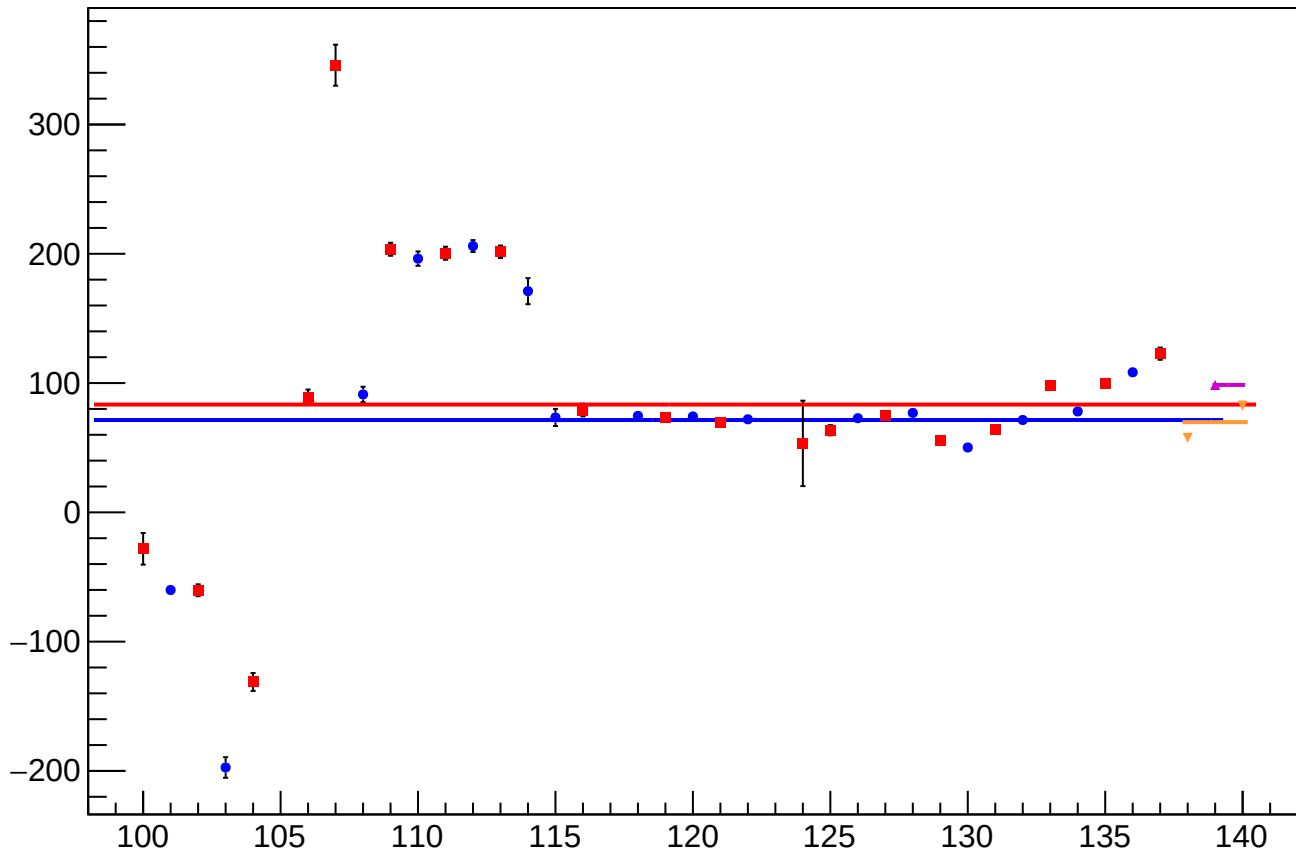
Left In: -15.384 $\pm$ 4.368 χ^2 /NDF: 0.0/0

+ sign 15.192 $\pm$ 0.735 χ^2 /NDF: 564.0/17

All: 17.063 $\pm$ 0.556 χ^2 /NDF: 908.5/37

- sign 19.577 $\pm$ 0.852 χ^2 /NDF: 329.2/19

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421 ± 0.931 $\chi^2/\text{NDF}: 4819.6/15$

Left Out: 69.797 ± 1.822 $\chi^2/\text{NDF}: 46.8/1$

Right Out: 83.385 ± 0.985 $\chi^2/\text{NDF}: 4297.3/18$

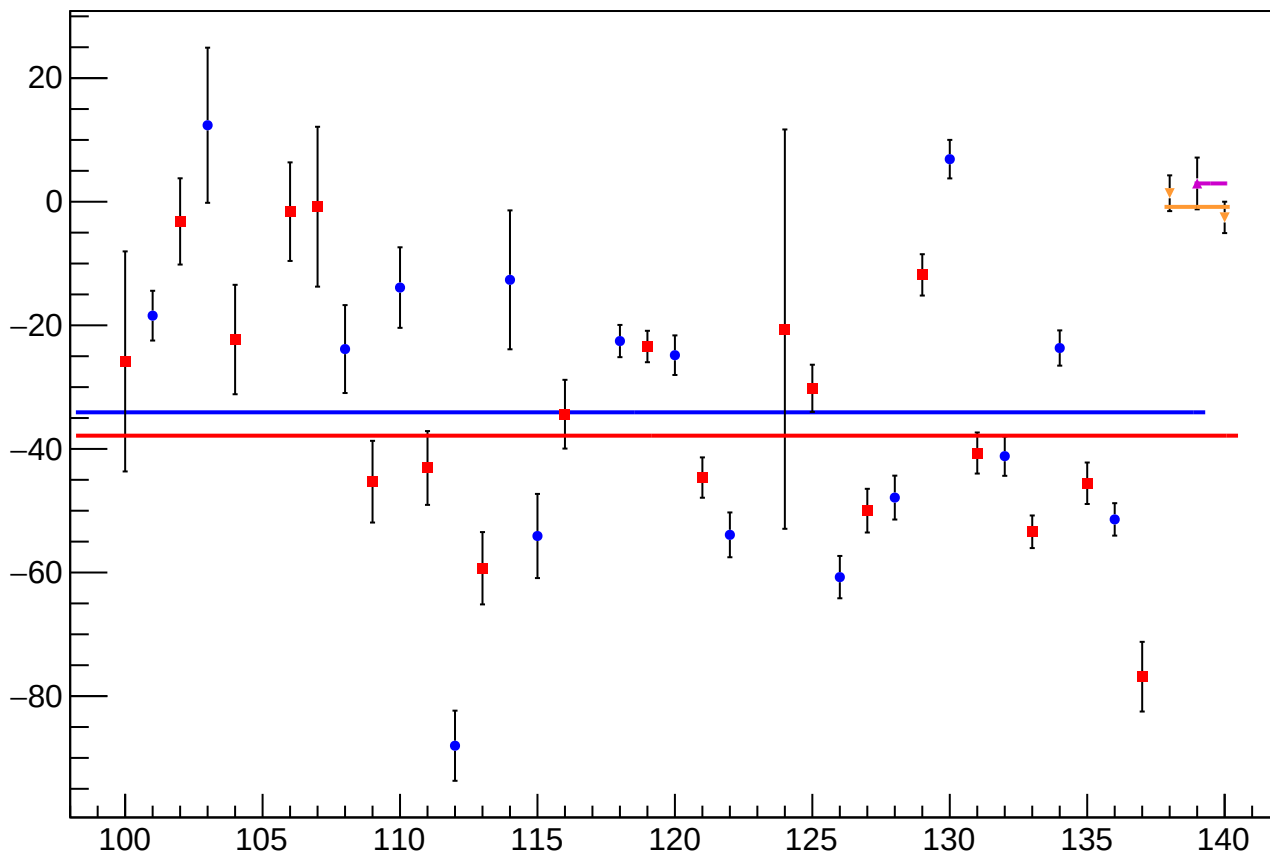
Left In: 98.554 ± 2.532 $\chi^2/\text{NDF}: 0.0/0$

+ sign 71.085 ± 0.829 $\chi^2/\text{NDF}: 4867.0/17$

All: 77.506 ± 0.615 $\chi^2/\text{NDF}: 9329.1/37$

- sign 85.380 ± 0.918 $\chi^2/\text{NDF}: 4328.5/19$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077 ± 0.942 χ^2/NDF : 511.2/15

Left Out: -0.834 ± 1.908 χ^2/NDF : 1.0/1

Right Out: -37.855 ± 0.994 χ^2/NDF : 274.6/18

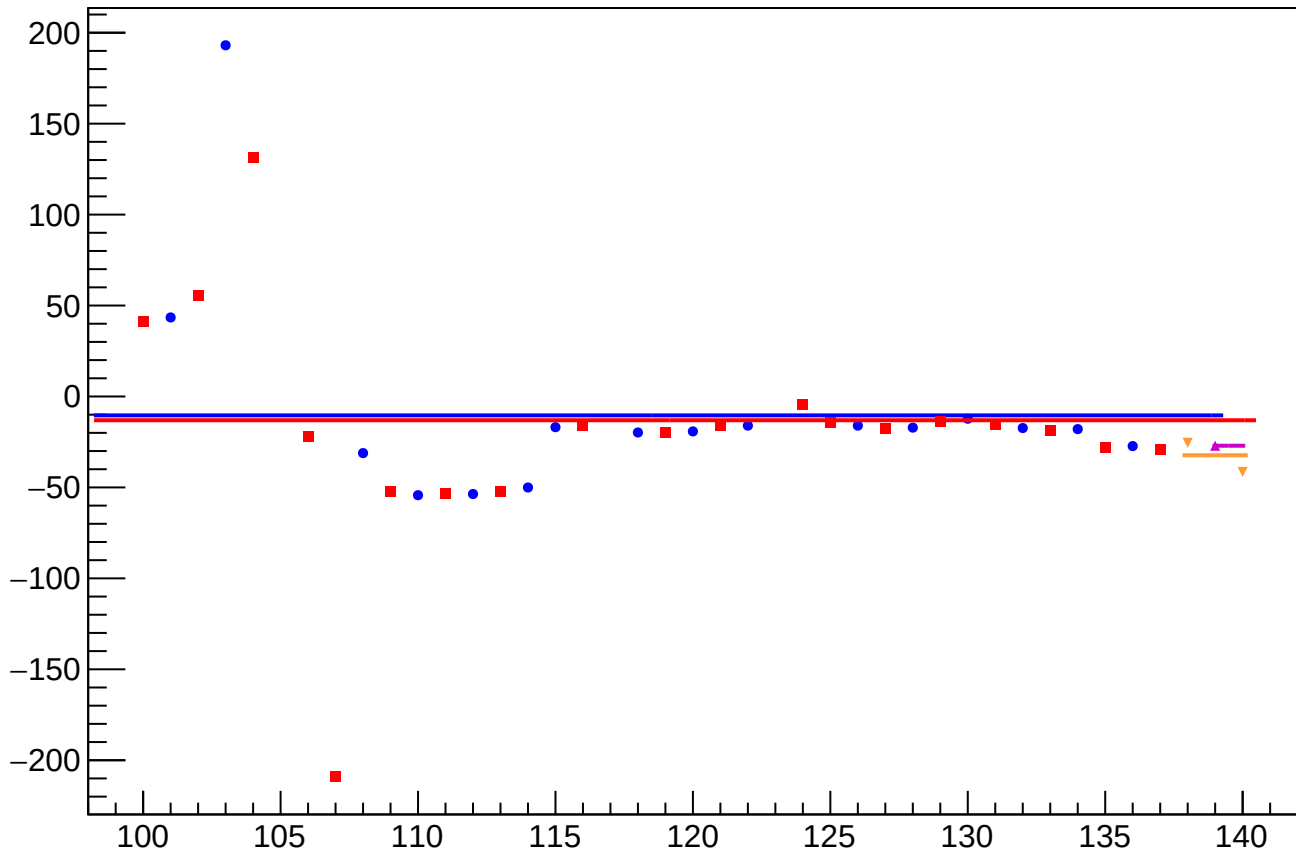
Left In: 2.958 ± 4.188 χ^2/NDF : 0.0/0

+ sign -27.559 ± 0.845 χ^2/NDF : 756.3/17

All: -31.074 ± 0.636 χ^2/NDF : 1160.8/37

- sign -35.679 ± 0.967 χ^2/NDF : 364.5/19

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400 ± 0.057 $\chi^2/\text{NDF}: 522334.6/15$

Left Out: -32.329 ± 0.076 $\chi^2/\text{NDF}: 10915.1/1$

Right Out: -13.074 ± 0.063 $\chi^2/\text{NDF}: 449609.3/18$

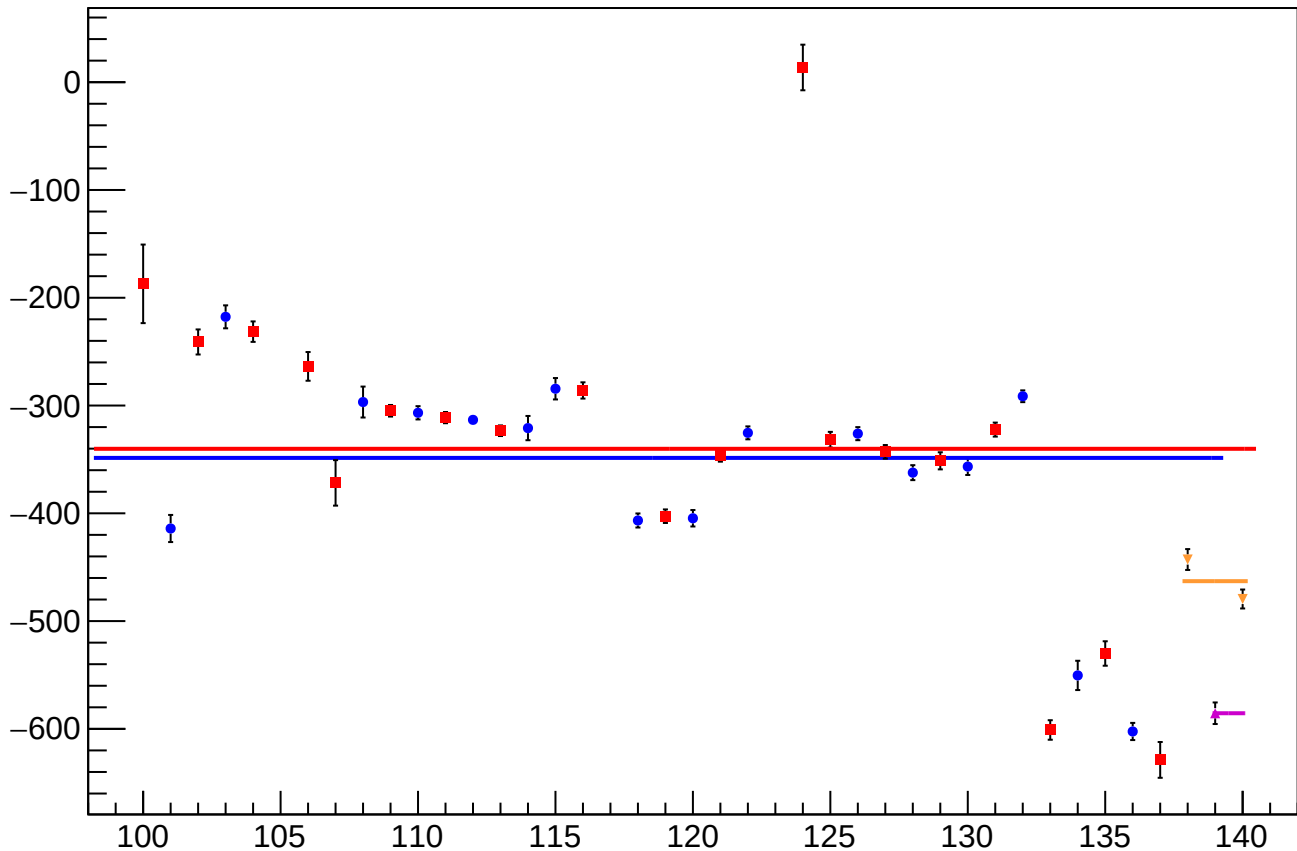
Left In: -27.073 ± 0.090 $\chi^2/\text{NDF}: 0.0/0$

+ sign -18.294 ± 0.045 $\chi^2/\text{NDF}: 586868.5/17$

All: -18.003 ± 0.034 $\chi^2/\text{NDF}: 1052843.4/37$

- sign -17.632 ± 0.051 $\chi^2/\text{NDF}: 465881.7/19$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586 ± 1.825 $\chi^2/\text{NDF}: 1858.3/15$

Left Out: -462.960 ± 6.506 $\chi^2/\text{NDF}: 7.8/1$

Right Out: -340.144 ± 1.759 $\chi^2/\text{NDF}: 2197.1/18$

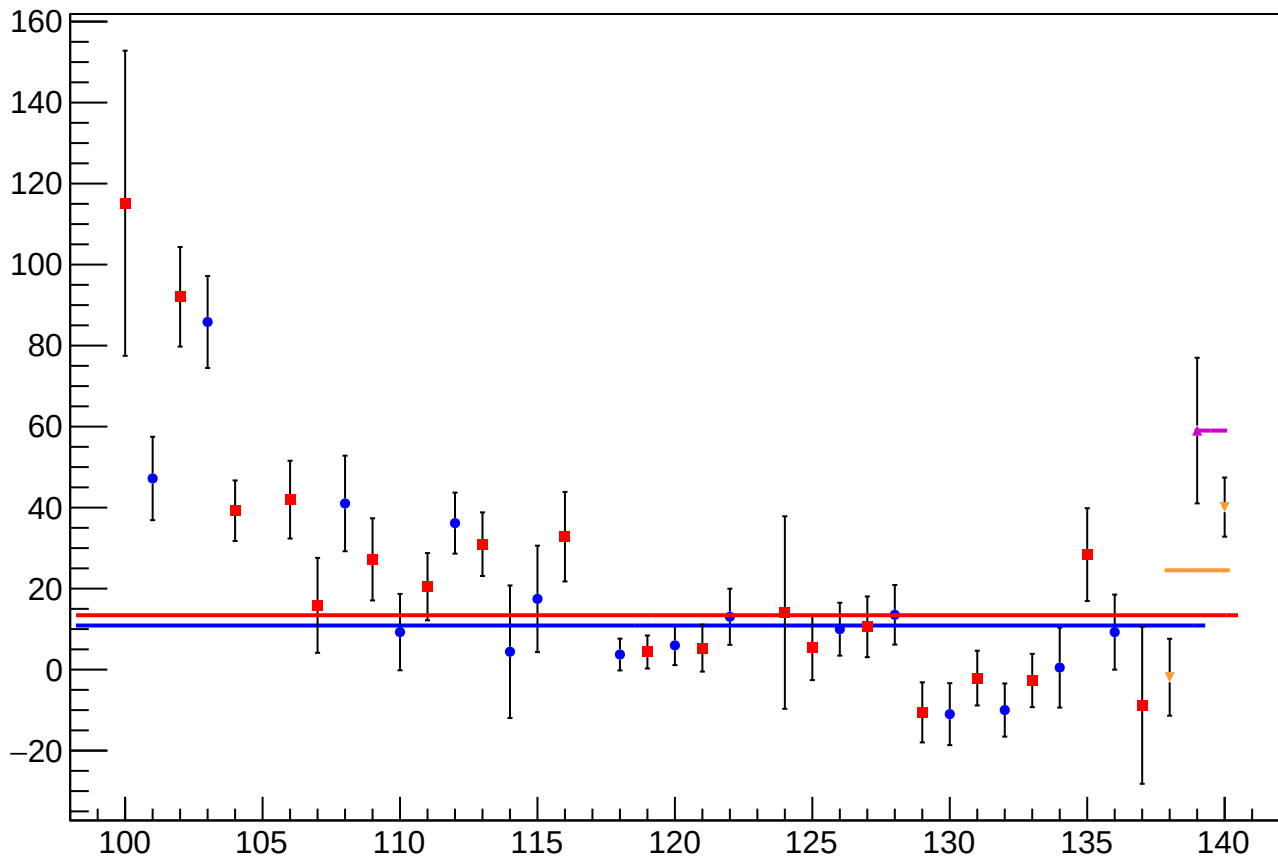
Left In: -585.502 ± 10.005 $\chi^2/\text{NDF}: 0.0/0$

+ sign -356.927 ± 1.757 $\chi^2/\text{NDF}: 2152.6/17$

All: -352.150 ± 1.234 $\chi^2/\text{NDF}: 4947.6/37$

- sign -347.503 ± 1.733 $\chi^2/\text{NDF}: 2780.4/19$

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888 $\pm$ 1.843 χ^2 /NDF: 98.2/15

Left Out: 24.527 $\pm$ 5.787 χ^2 /NDF:12.3/1

Right Out: 13.427 $\pm$ 1.854 χ^2 /NDF: 112.4/18

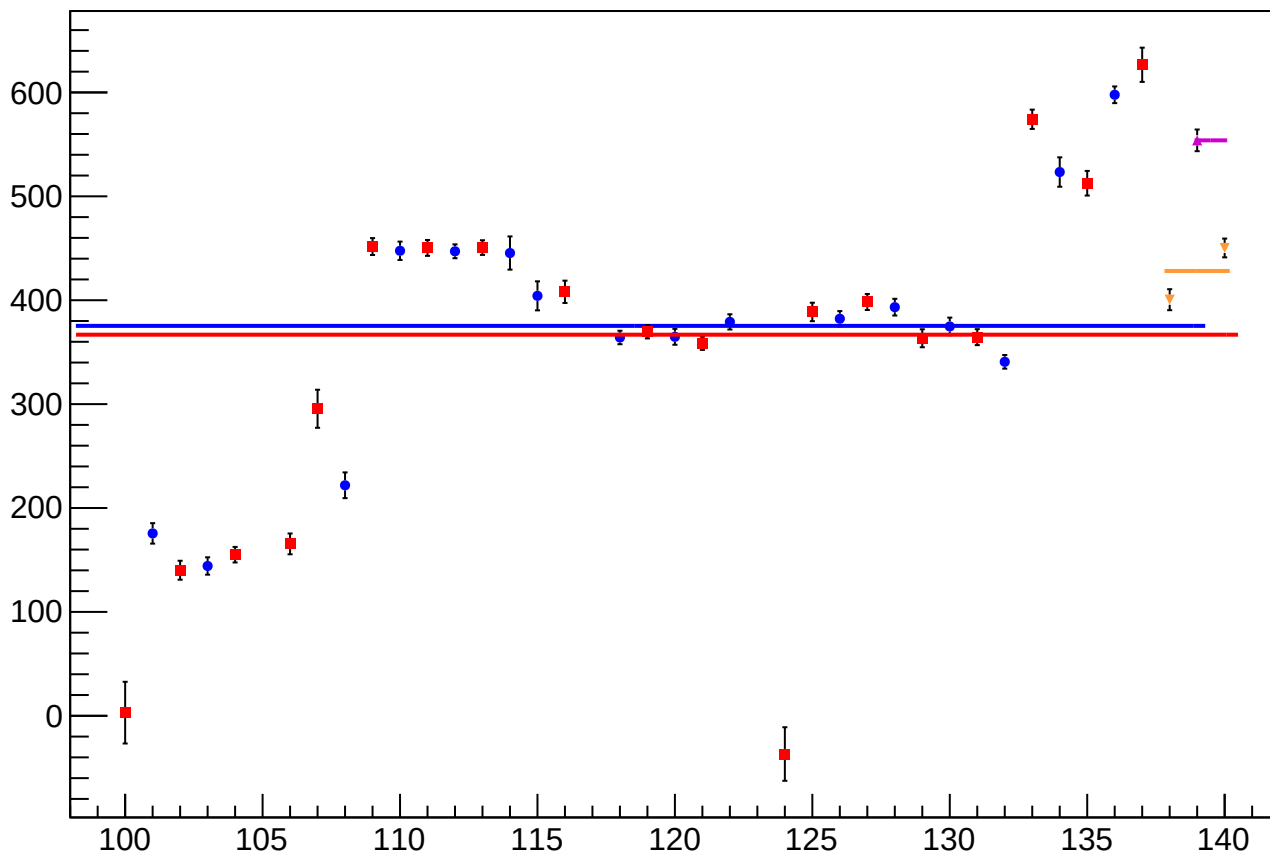
Left In: 59.016 $\pm$ 17.981 χ^2 /NDF:0.0/0

+ sign 12.144 $\pm$ 1.756 χ^2 /NDF: 115.6/17

All: 12.982 $\pm$ 1.272 χ^2 /NDF: 234.8/37

- sign 13.907 $\pm$ 1.845 χ^2 /NDF: 118.8/19

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321 $\pm$ 2.103 χ^2 /NDF: 2449.5/15

Left Out: 428.166 $\pm$ 6.733 χ^2 /NDF:13.5/1

Right Out: 366.830 $\pm$ 2.049 χ^2 /NDF: 3541.1/18

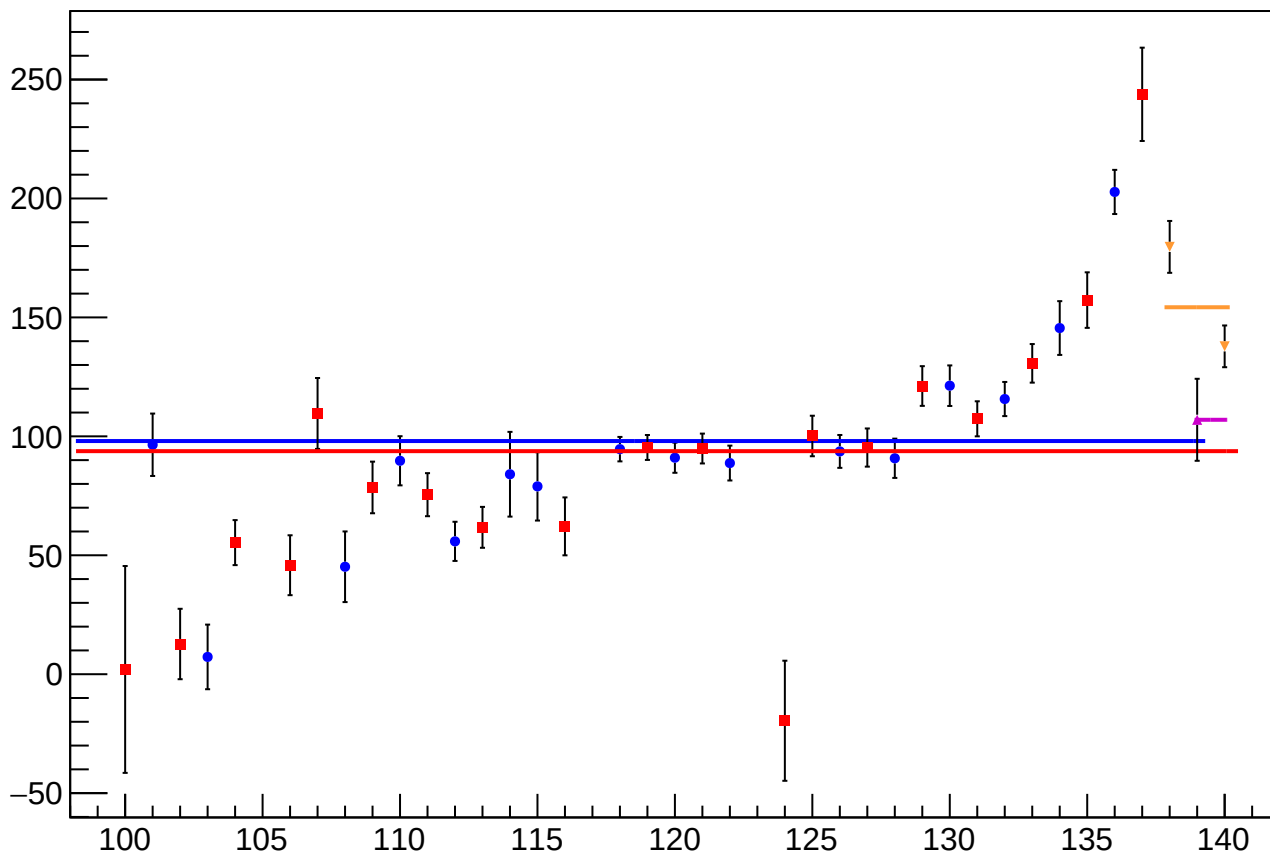
Left In: 553.881 $\pm$ 10.433 χ^2 /NDF:0.0/0

+ sign 380.017 $\pm$ 2.007 χ^2 /NDF: 2519.1/17

All: 376.904 $\pm$ 1.421 χ^2 /NDF: 6374.5/37

- sign 373.779 $\pm$ 2.011 χ^2 /NDF: 3850.6/19

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021 $\pm$ 2.144 χ^2 /NDF: 249.5/15

Left Out: 154.268 $\pm$ 6.836 χ^2 /NDF: 8.9/1

Right Out: 93.771 $\pm$ 2.138 χ^2 /NDF: 237.1/18

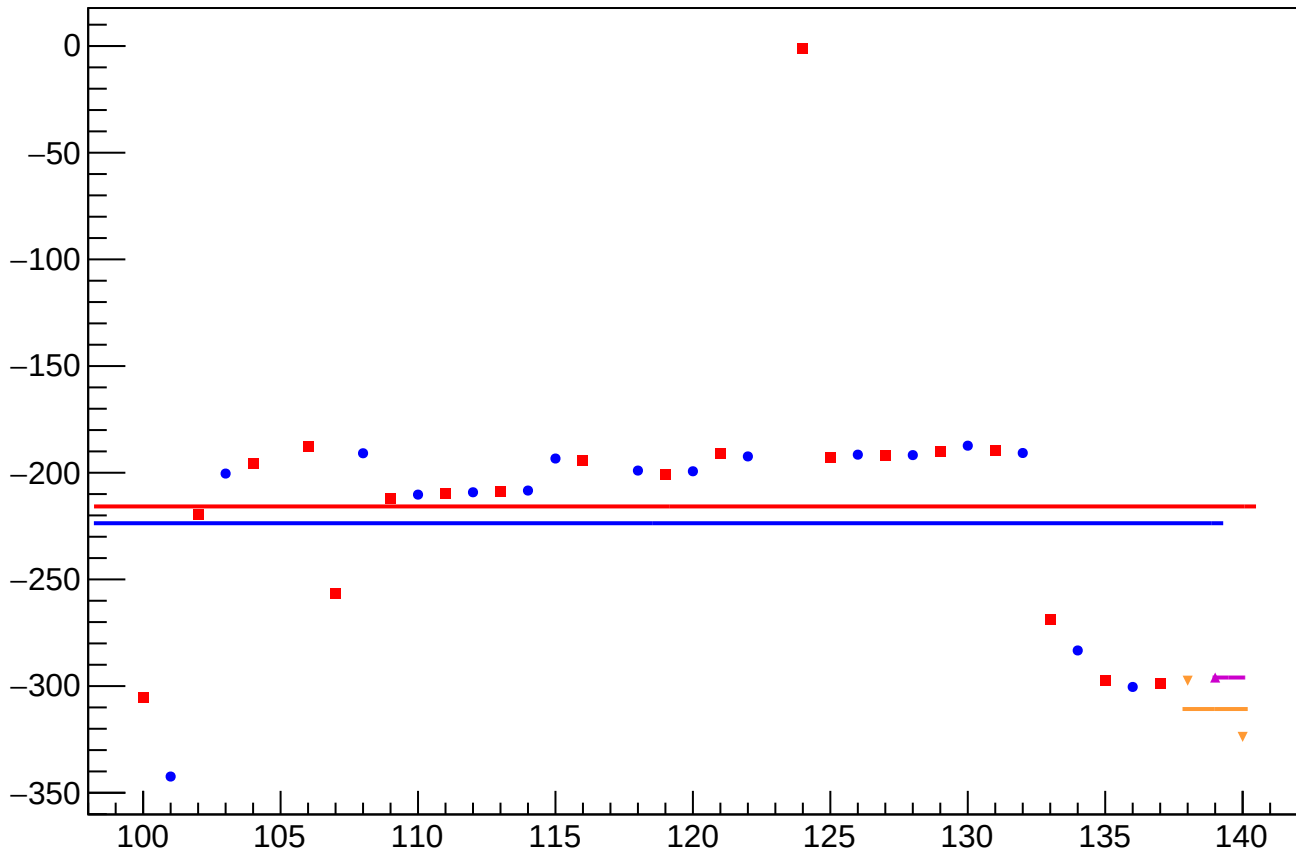
Left In: 106.958 $\pm$ 17.237 χ^2 /NDF: 0.0/0

+ sign 103.058 $\pm$ 2.046 χ^2 /NDF: 320.0/17

All: 98.681 $\pm$ 1.473 χ^2 /NDF: 567.2/37

- sign 93.971 $\pm$ 2.122 χ^2 /NDF: 237.7/19

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF : 121528.3/15

Left Out: -310.748+/-0.286 χ^2/NDF : 2116.7/1

Right Out: -215.797+/-0.134 χ^2/NDF : 81516.6/18

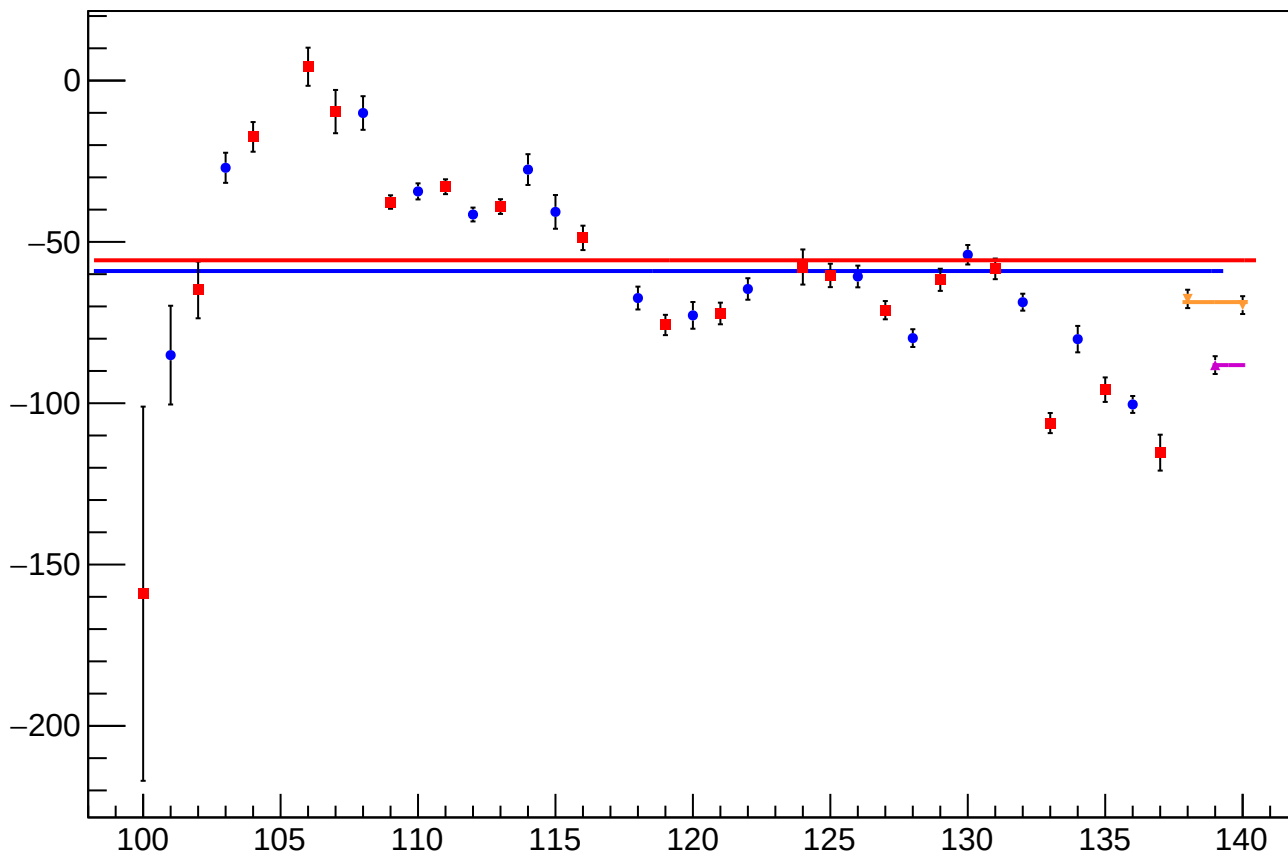
Left In: -295.987+/-0.371 χ^2/NDF : 0.0/0

+ sign -240.149+/-0.125 χ^2/NDF : 198703.3/17

All: -232.715+/-0.089 χ^2/NDF : 328662.9/37

- sign -225.066+/-0.126 χ^2/NDF : 122727.3/19

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030 ± 0.829 χ^2/NDF : 727.3/15

Left Out: -68.657 ± 1.982 χ^2/NDF : 0.2/1

Right Out: -55.701 ± 0.790 χ^2/NDF : 1041.1/18

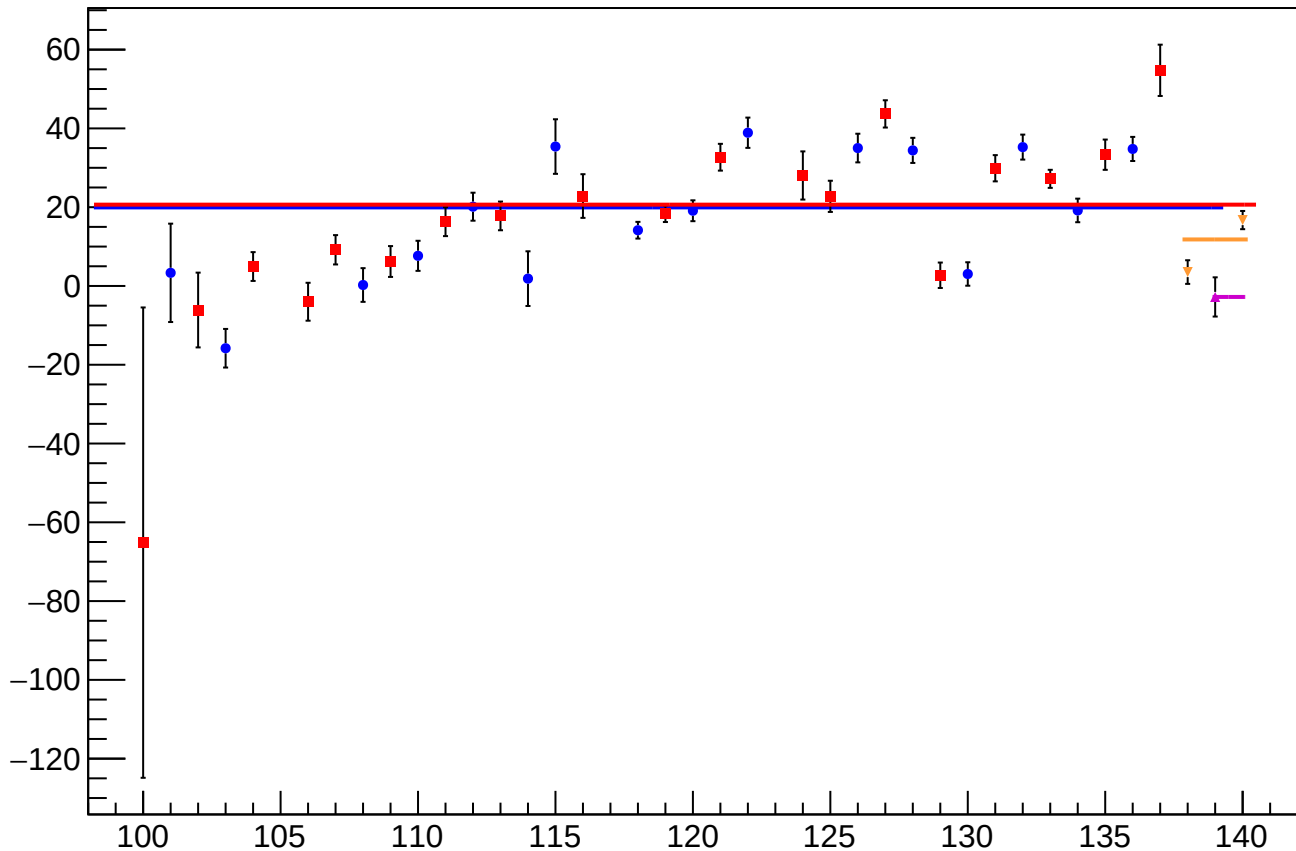
Left In: -88.184 ± 2.762 χ^2/NDF : 0.0/0

+ sign -60.464 ± 0.765 χ^2/NDF : 747.6/17

All: -59.302 ± 0.539 χ^2/NDF : 1921.2/37

- sign -58.156 ± 0.760 χ^2/NDF : 1169.0/19

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946 $\pm$ 0.867 χ^2 /NDF: 247.2/15

Left Out: 11.810 $\pm$ 1.831 χ^2 /NDF:12.1/1

Right Out: 20.643 $\pm$ 0.844 χ^2 /NDF: 224.8/18

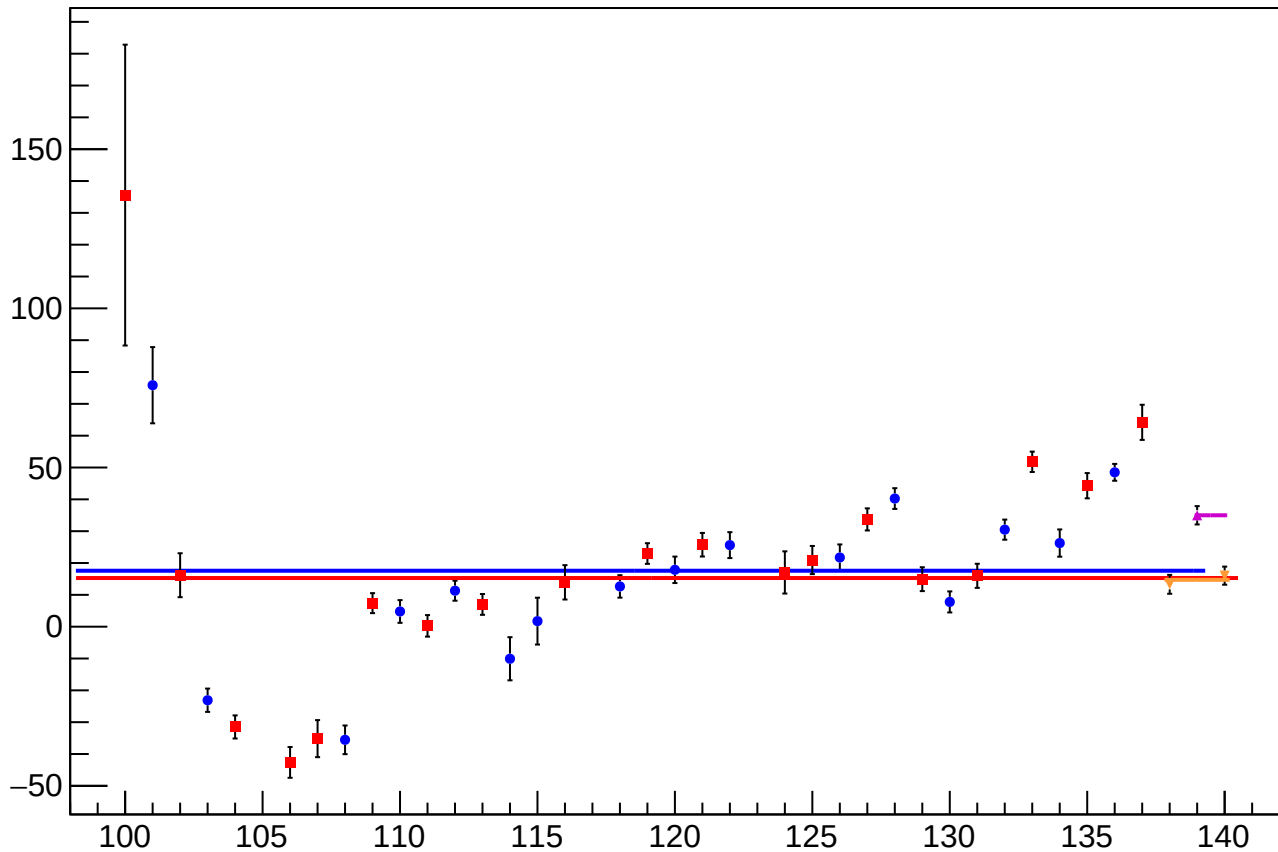
Left In: -2.786 $\pm$ 4.979 χ^2 /NDF:0.0/0

+ sign 18.455 $\pm$ 0.784 χ^2 /NDF: 275.4/17

All: 19.176 $\pm$ 0.571 χ^2 /NDF: 523.5/37

- sign 19.989 $\pm$ 0.832 χ^2 /NDF: 246.3/19

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574 $\pm$ 0.957 χ^2 /NDF: 546.2/15

Left Out: 14.725 $\pm$ 2.053 χ^2 /NDF: 0.4/1

Right Out: 15.283 $\pm$ 0.934 χ^2 /NDF: 730.0/18

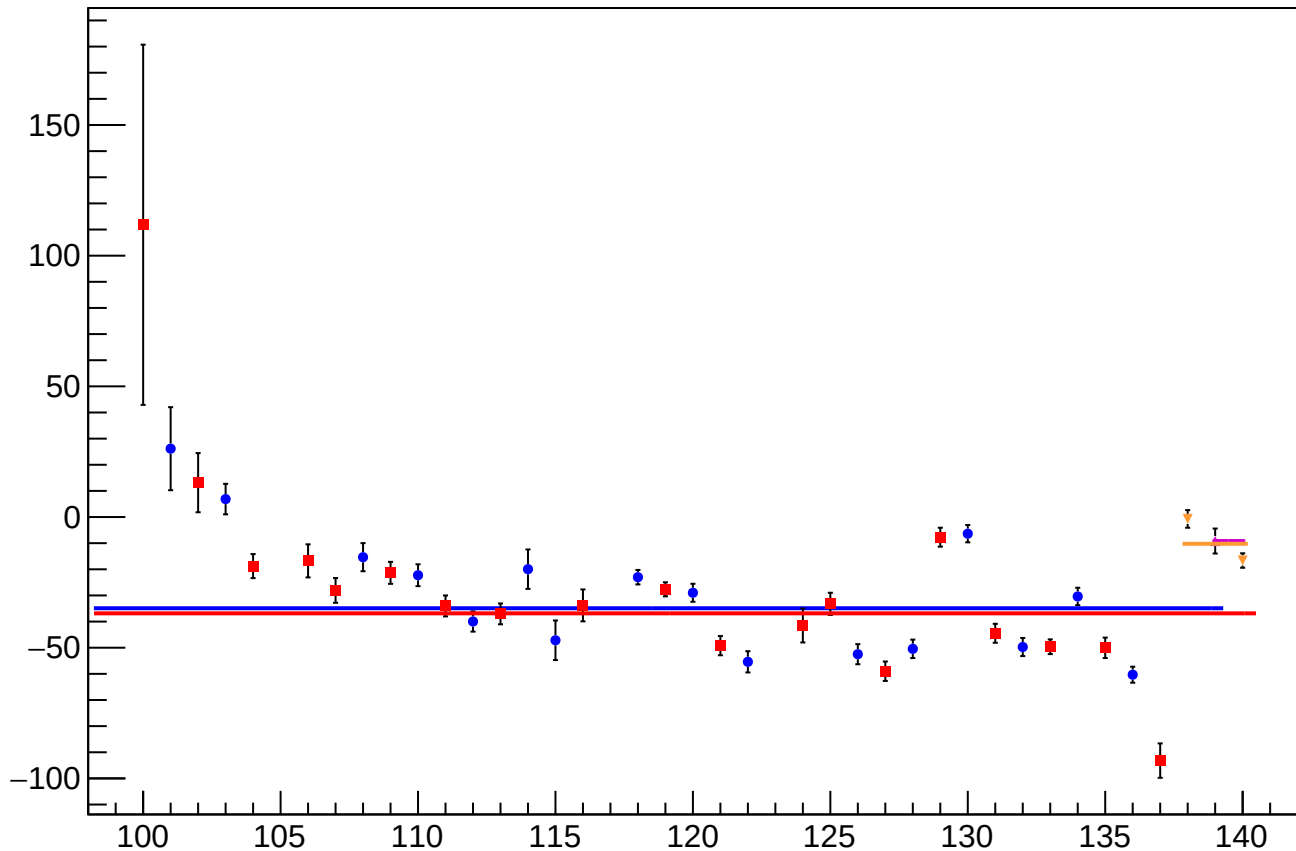
Left In: 34.992 $\pm$ 2.879 χ^2 /NDF: 0.0/0

+ sign 17.066 $\pm$ 0.867 χ^2 /NDF: 548.2/17

All: 17.112 $\pm$ 0.621 χ^2 /NDF: 1320.6/37

- sign 17.159 $\pm$ 0.888 χ^2 /NDF: 772.4/19

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899 ± 0.990 χ^2/NDF : 346.6/15

Left Out: -10.240 ± 2.139 χ^2/NDF : 13.3/1

Right Out: -36.853 ± 0.970 χ^2/NDF : 301.4/18

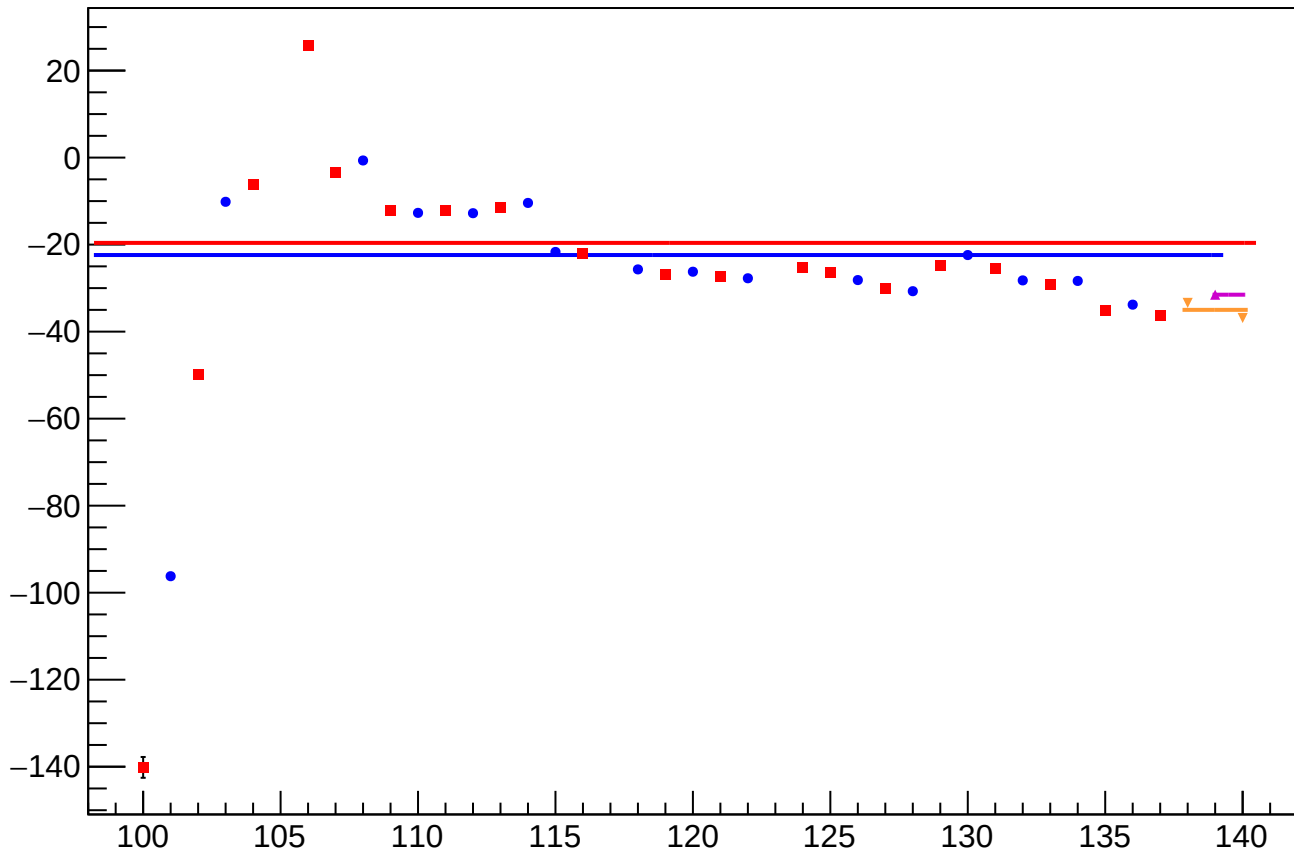
Left In: -9.182 ± 4.775 χ^2/NDF : 0.0/0

+ sign -30.548 ± 0.899 χ^2/NDF : 469.3/17

All: -33.008 ± 0.653 χ^2/NDF : 818.9/37

- sign -35.758 ± 0.950 χ^2/NDF : 333.7/19

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394 ± 0.058 χ^2/NDF : 46519.7/15

Left Out: -34.997 ± 0.086 χ^2/NDF : 407.7/1

Right Out: -19.605 ± 0.059 χ^2/NDF : 83865.7/18

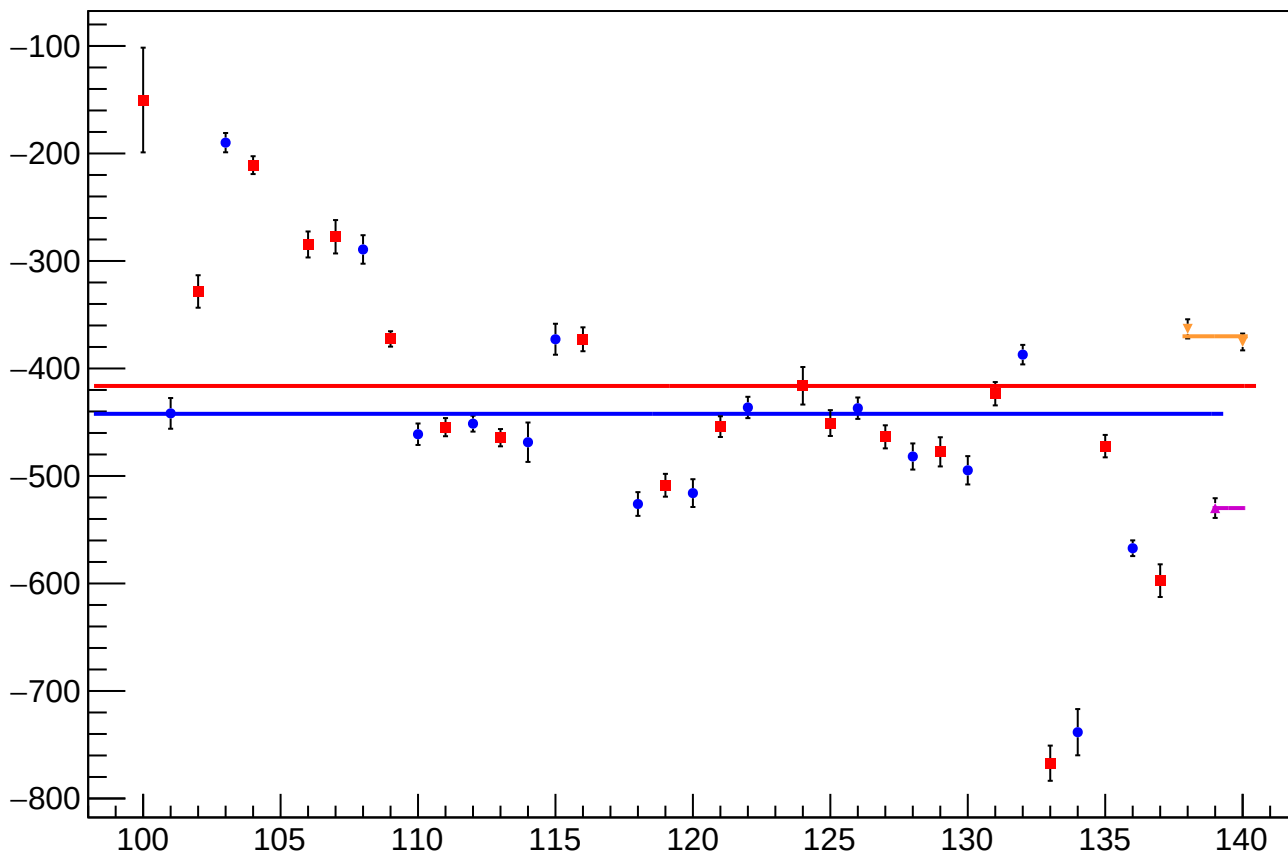
Left In: -31.513 ± 0.103 χ^2/NDF : 0.0/0

+ sign -26.381 ± 0.048 χ^2/NDF : 61717.1/17

All: -24.611 ± 0.035 χ^2/NDF : 158537.0/37

- sign -22.593 ± 0.051 χ^2/NDF : 93933.0/19

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182 ± 2.682 $\chi^2/\text{NDF}: 1589.1/15$

Left Out: -370.050 ± 5.885 $\chi^2/\text{NDF}: 1.1/1$

Right Out: -416.259 ± 2.523 $\chi^2/\text{NDF}: 1753.8/18$

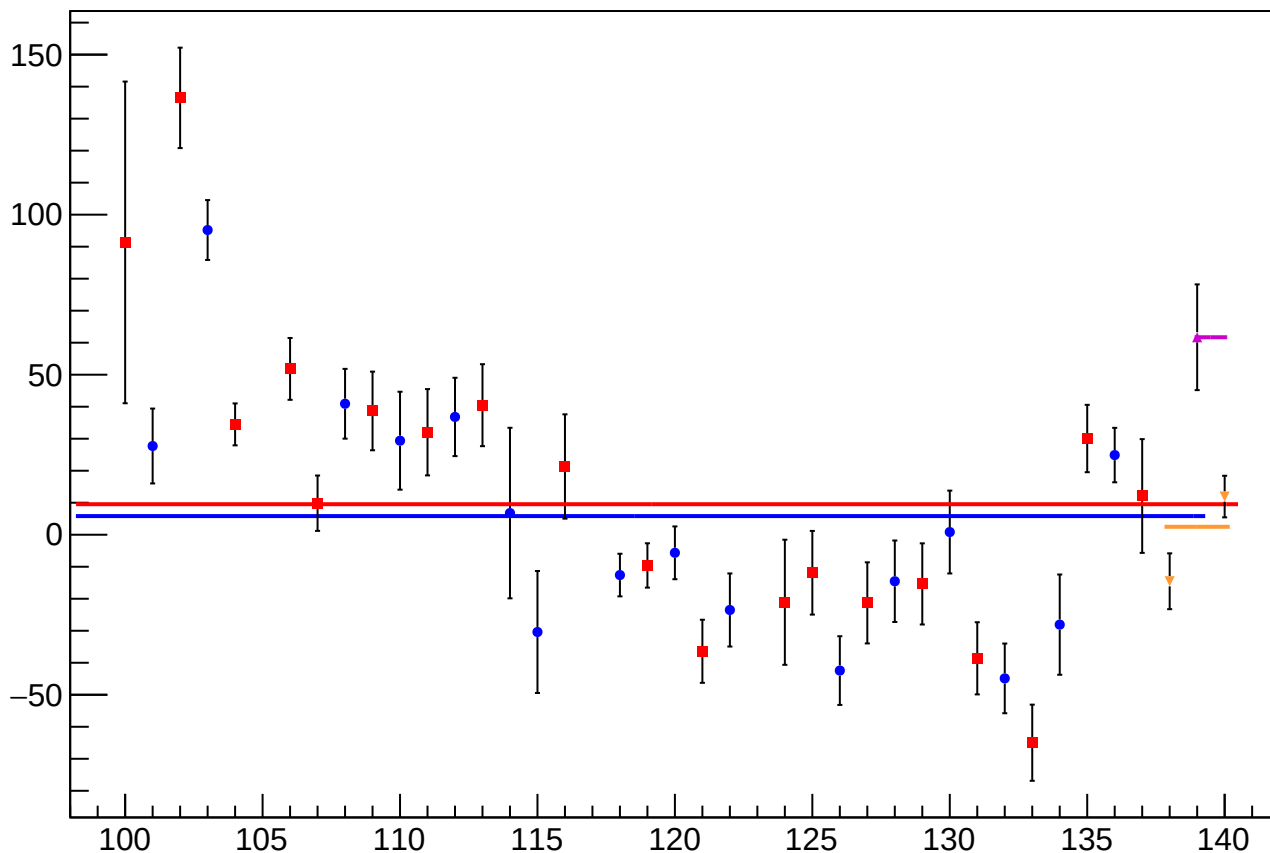
Left In: -529.858 ± 9.173 $\chi^2/\text{NDF}: 0.0/0$

+ sign -429.778 ± 2.440 $\chi^2/\text{NDF}: 1714.6/17$

All: -427.003 ± 1.723 $\chi^2/\text{NDF}: 3613.5/37$

- sign -424.245 ± 2.432 $\chi^2/\text{NDF}: 1896.4/19$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824 ± 2.728 $\chi^2/\text{NDF}: 188.1/15$

Left Out: 2.484 ± 5.213 $\chi^2/\text{NDF}: 5.9/1$

Right Out: 9.536 ± 2.556 $\chi^2/\text{NDF}: 222.2/18$

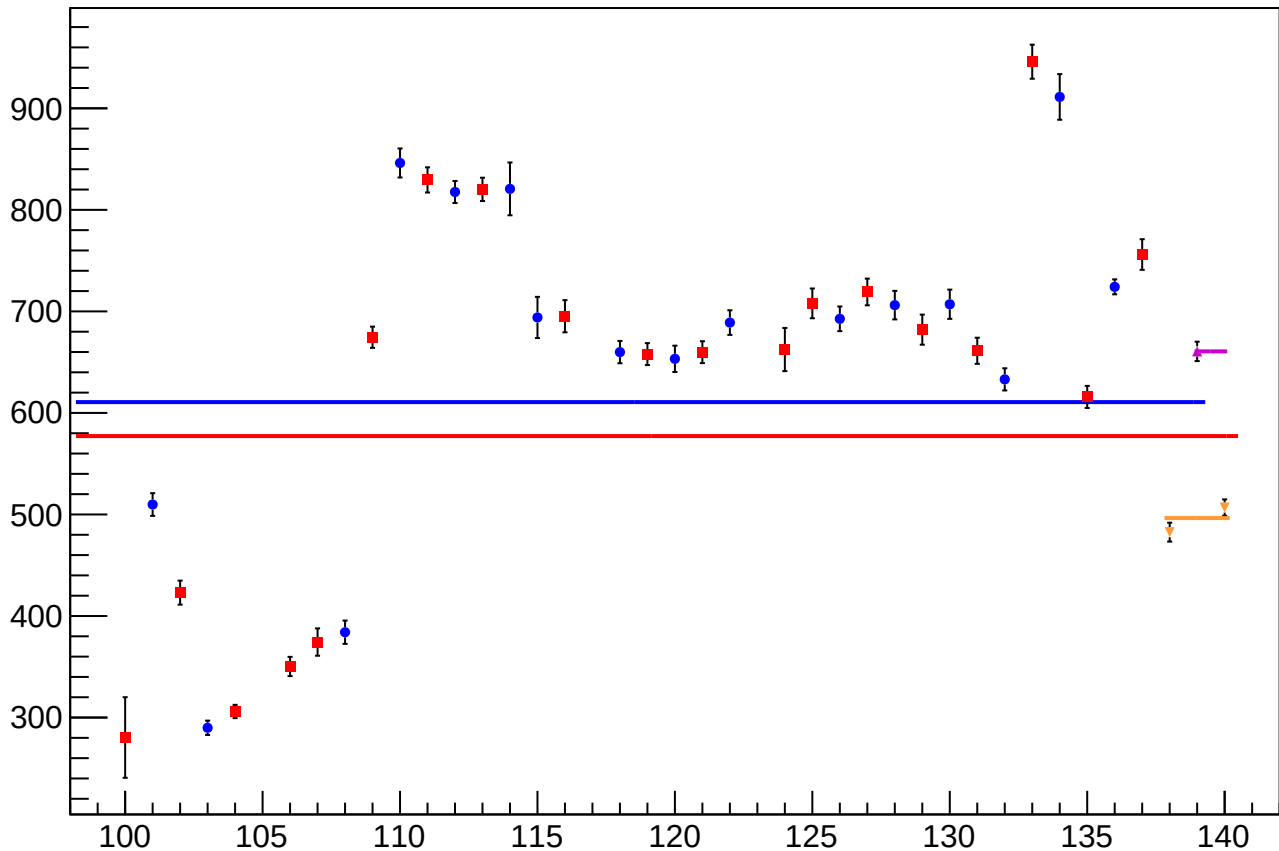
Left In: 61.701 ± 16.521 $\chi^2/\text{NDF}: 0.0/0$

+ sign 5.106 ± 2.417 $\chi^2/\text{NDF}: 194.4/17$

All: 7.806 ± 1.746 $\chi^2/\text{NDF}: 428.9/37$

- sign 10.755 ± 2.526 $\chi^2/\text{NDF}: 231.9/19$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665 $\pm$ 2.892 χ^2 /NDF: 3892.6/15

Left Out: 496.442 $\pm$ 6.088 χ^2 /NDF: 3.9/1

Right Out: 577.205 $\pm$ 2.755 χ^2 /NDF: 4800.3/18

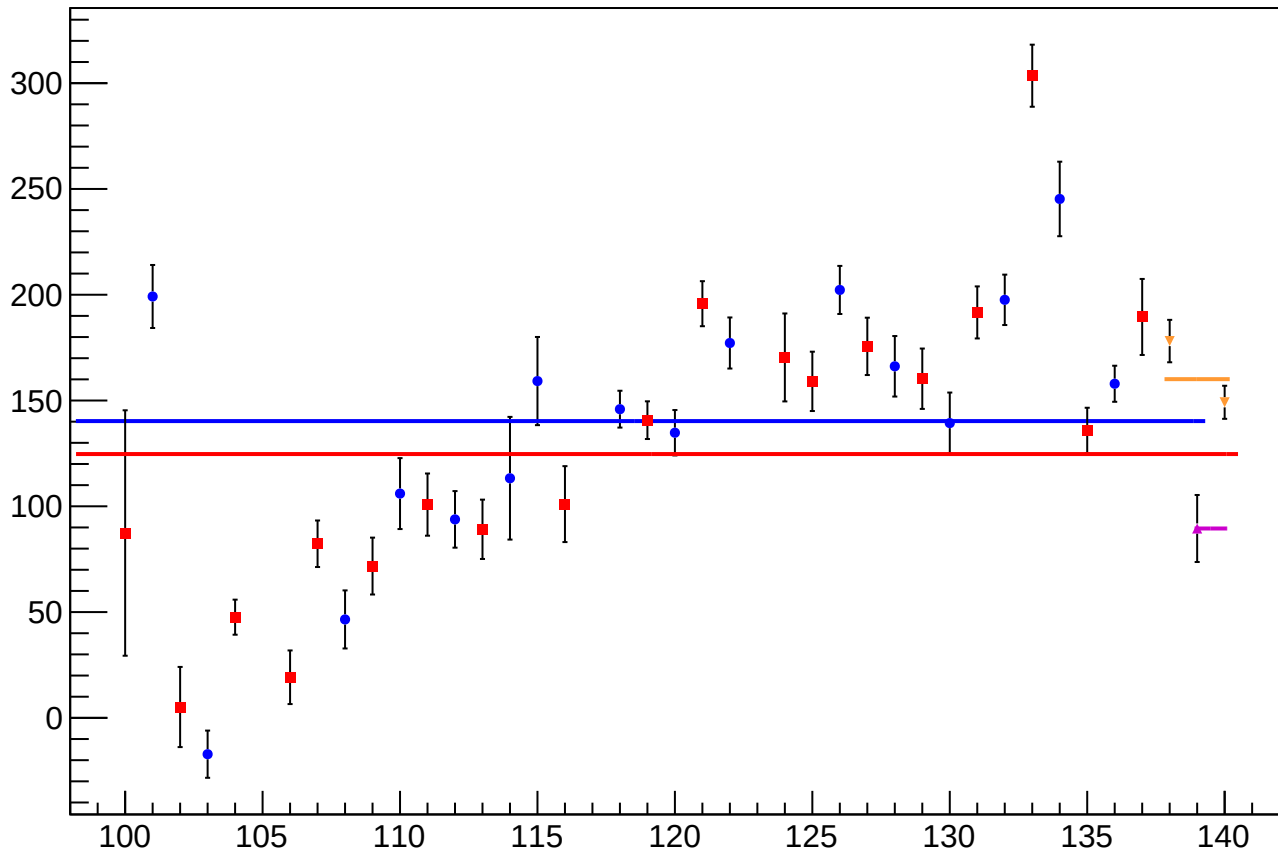
Left In: 660.611 $\pm$ 9.562 χ^2 /NDF: 0.0/0

+ sign 589.634 $\pm$ 2.613 χ^2 /NDF: 4183.6/17

All: 586.656 $\pm$ 1.860 χ^2 /NDF: 9056.8/37

- sign 583.598 $\pm$ 2.647 χ^2 /NDF: 4870.6/19

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278 +/- 3.151 χ^2/NDF : 385.4/15

Left Out: 160.100 +/- 6.165 χ^2/NDF : 5.2/1

Right Out: 124.697 +/- 2.979 χ^2/NDF : 508.5/18

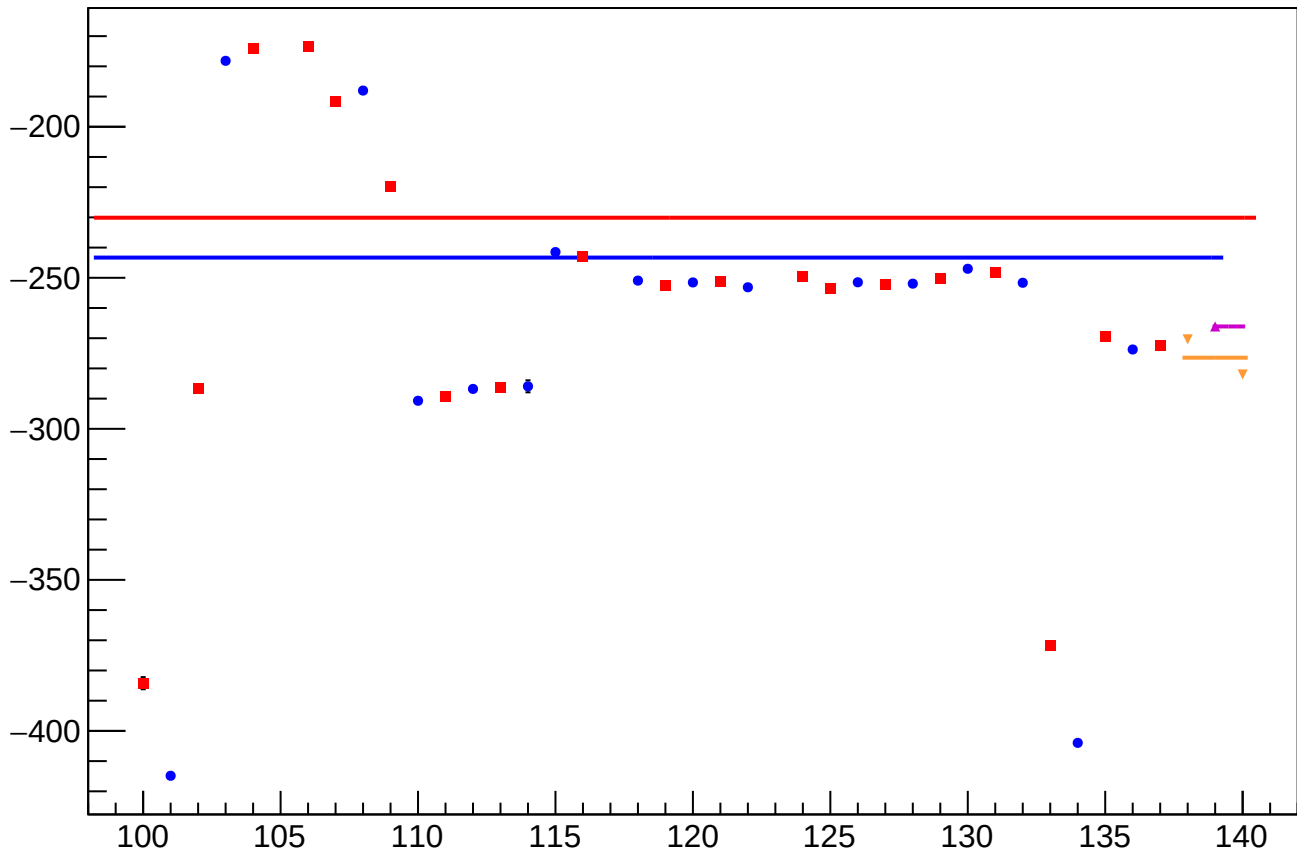
Left In: 89.509 +/- 15.841 χ^2/NDF : 0.0/0

+ sign 144.384 +/- 2.806 χ^2/NDF : 398.8/17

All: 134.382 +/- 2.026 χ^2/NDF : 938.6/37

- sign 123.495 +/- 2.927 χ^2/NDF : 513.3/19

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308 ± 0.163 $\chi^2/\text{NDF}: 173487.9/15$

Left Out: -276.453 ± 0.259 $\chi^2/\text{NDF}: 501.4/1$

Right Out: -230.109 ± 0.157 $\chi^2/\text{NDF}: 102451.2/18$

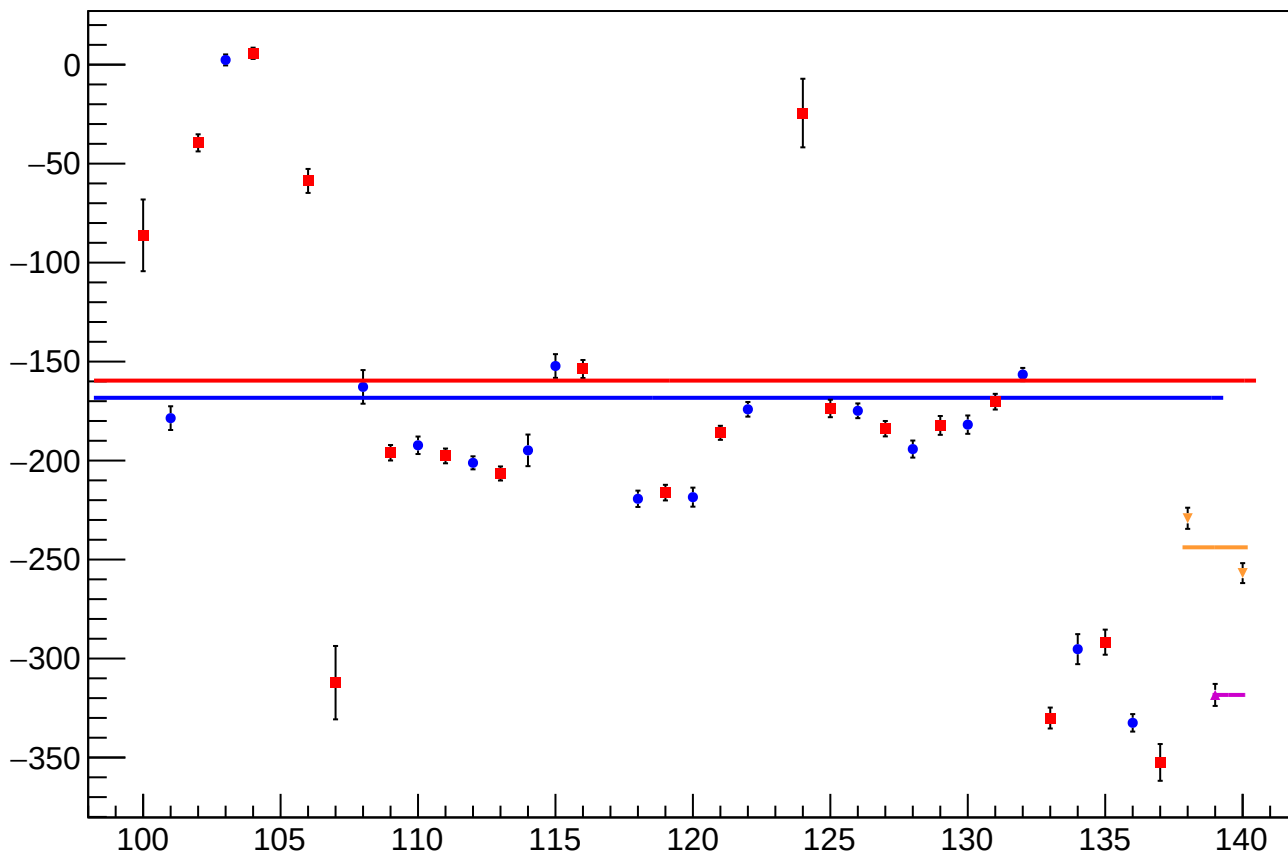
Left In: -266.110 ± 0.341 $\chi^2/\text{NDF}: 0.0/0$

+ sign -252.649 ± 0.138 $\chi^2/\text{NDF}: 185712.6/17$

All: -244.835 ± 0.099 $\chi^2/\text{NDF}: 304024.8/37$

- sign -236.420 ± 0.143 $\chi^2/\text{NDF}: 111625.4/19$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291 ± 1.076 χ^2/NDF : 5907.6/15

Left Out: -243.822 ± 3.666 χ^2/NDF : 14.2/1

Right Out: -159.602 ± 1.042 χ^2/NDF : 7197.9/18

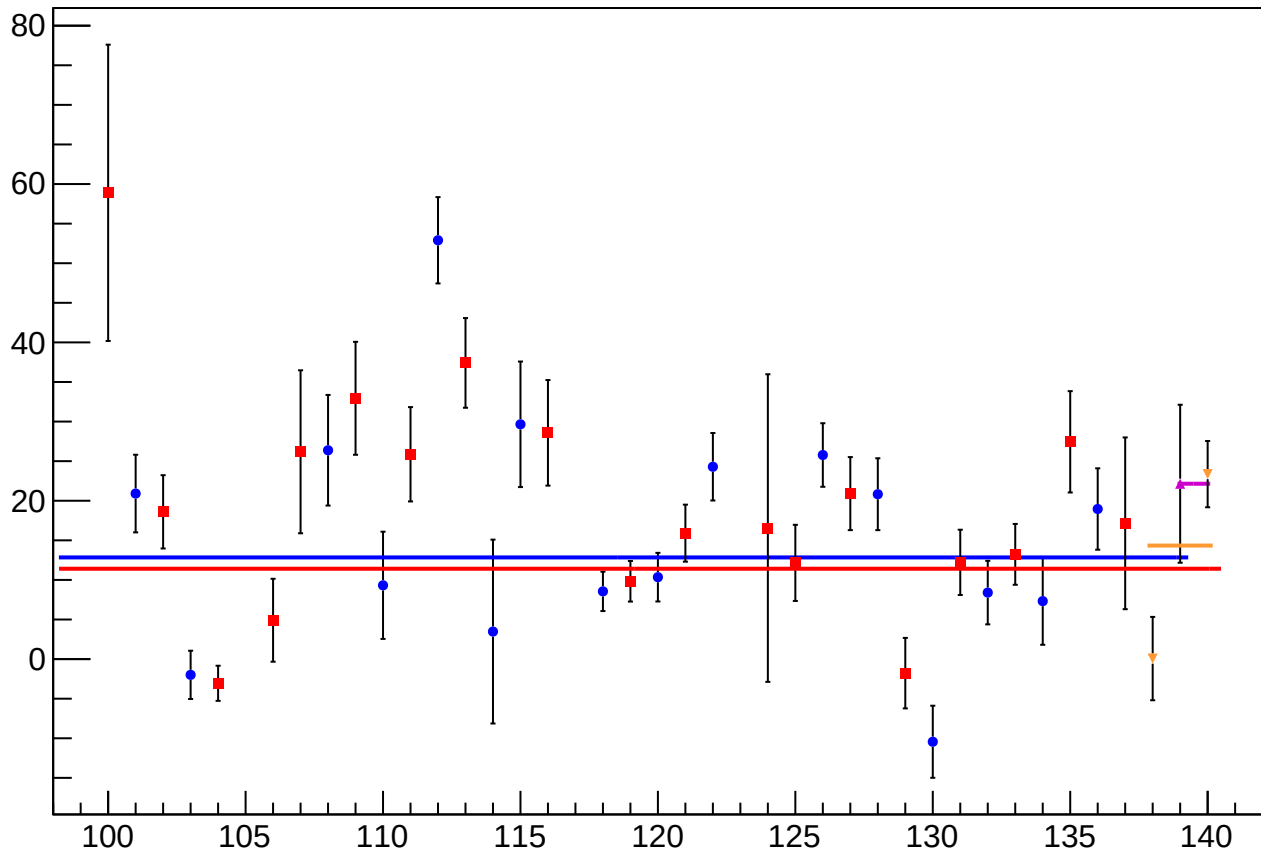
Left In: -318.382 ± 5.558 χ^2/NDF : 0.0/0

+ sign -174.280 ± 1.032 χ^2/NDF : 6312.6/17

All: -169.603 ± 0.727 χ^2/NDF : 14339.6/37

- sign -164.996 ± 1.024 χ^2/NDF : 7986.3/19

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842 $\pm$ 1.076 χ^2 /NDF: 143.7/15

Left Out: 14.339 $\pm$ 3.276 χ^2 /NDF:12.0/1

Right Out: 11.414 $\pm$ 1.035 χ^2 /NDF: 119.6/18

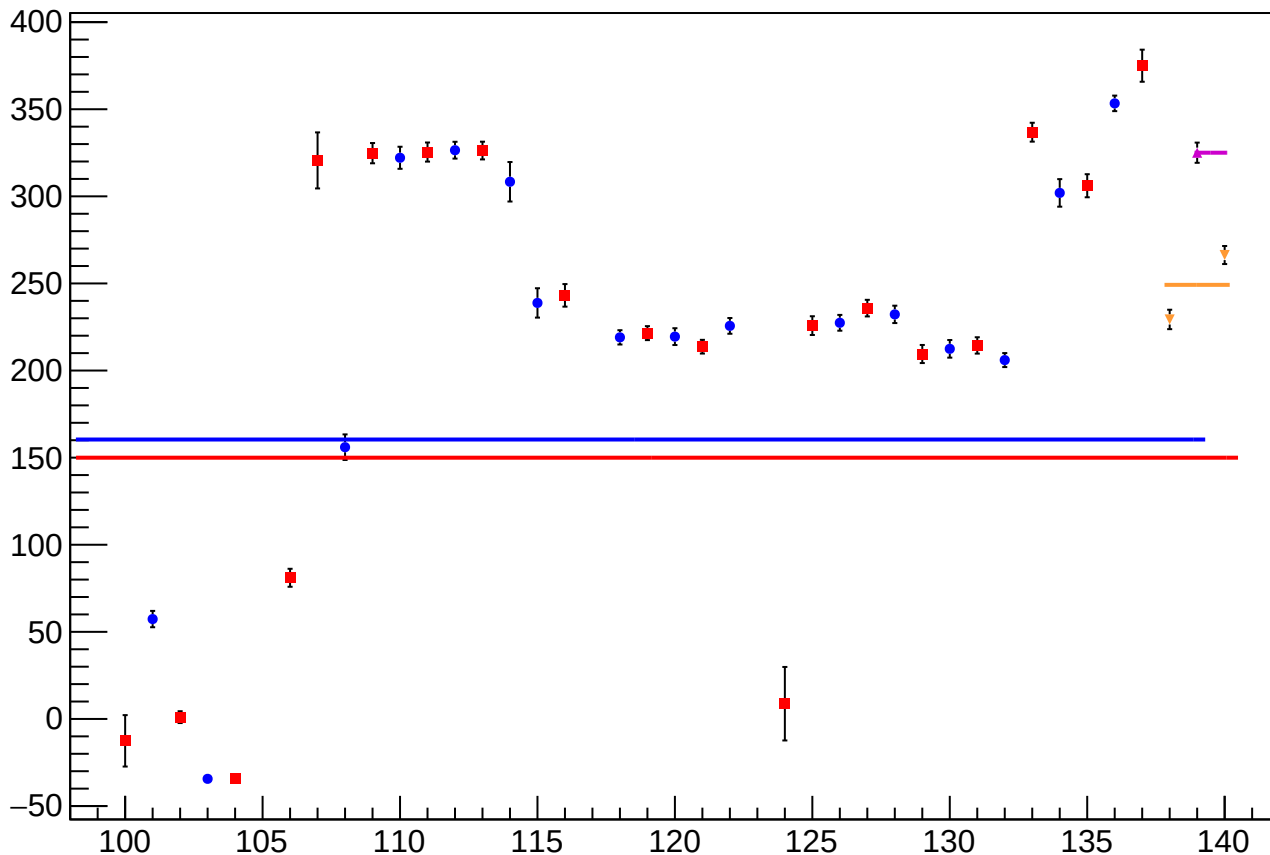
Left In: 22.149 $\pm$ 9.976 χ^2 /NDF:0.0/0

+ sign 12.988 $\pm$ 1.023 χ^2 /NDF: 155.9/17

All: 12.263 $\pm$ 0.726 χ^2 /NDF: 277.6/37

- sign 11.528 $\pm$ 1.030 χ^2 /NDF: 120.7/19

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407 $\pm$ 1.139 χ^2 /NDF: 13949.8/15

Left Out: 249.188 $\pm$ 3.795 χ^2 /NDF:23.6/1

Right Out: 149.974 $\pm$ 1.107 χ^2 /NDF: 16265.2/18

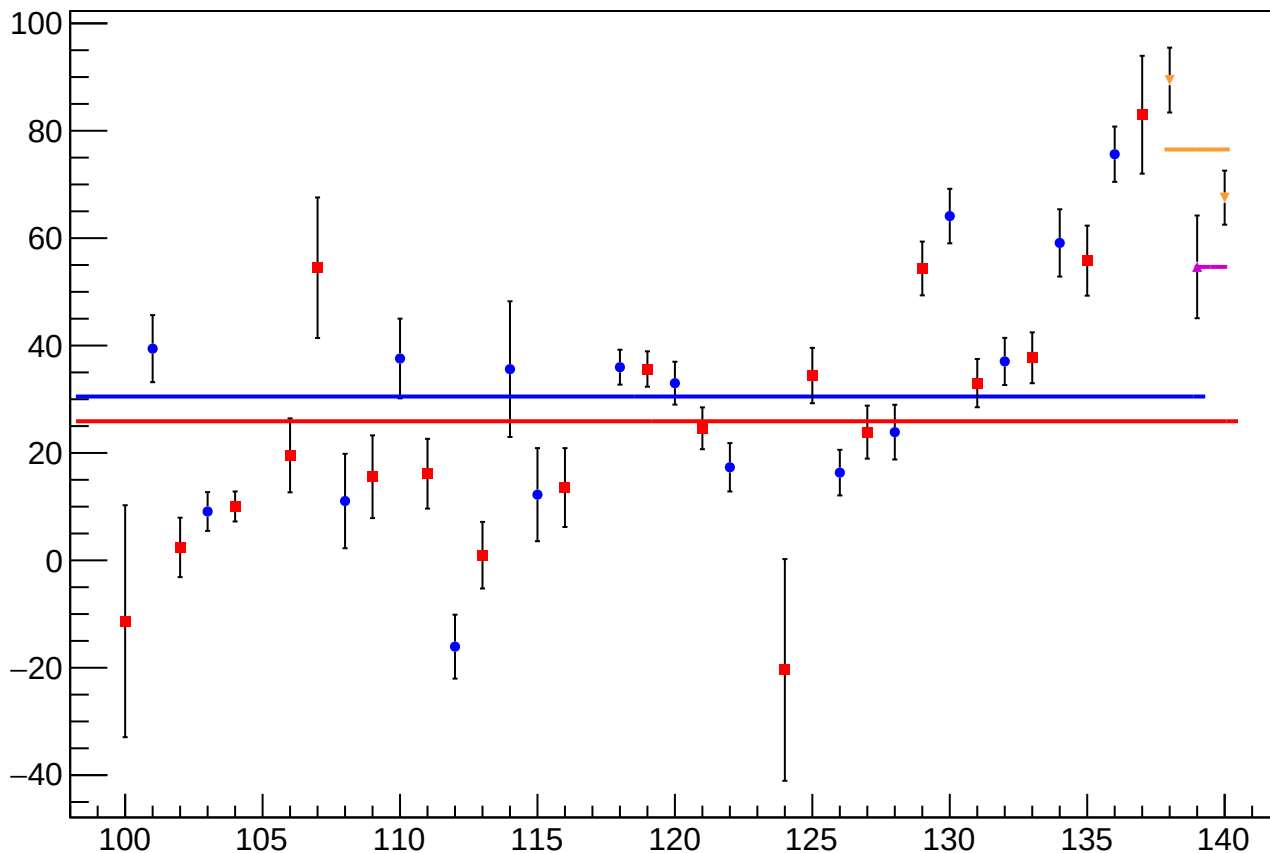
Left In: 325.046 $\pm$ 5.797 χ^2 /NDF:0.0/0

+ sign 167.743 $\pm$ 1.091 χ^2 /NDF: 14475.5/17

All: 161.917 $\pm$ 0.770 χ^2 /NDF: 31677.5/37

- sign 156.131 $\pm$ 1.087 χ^2 /NDF: 17145.2/19

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510 $\pm$ 1.255 χ^2 /NDF: 276.9/15

Left Out: 76.516 $\pm$ 3.865 χ^2 /NDF: 7.8/1

Right Out: 25.903 $\pm$ 1.213 χ^2 /NDF: 187.8/18

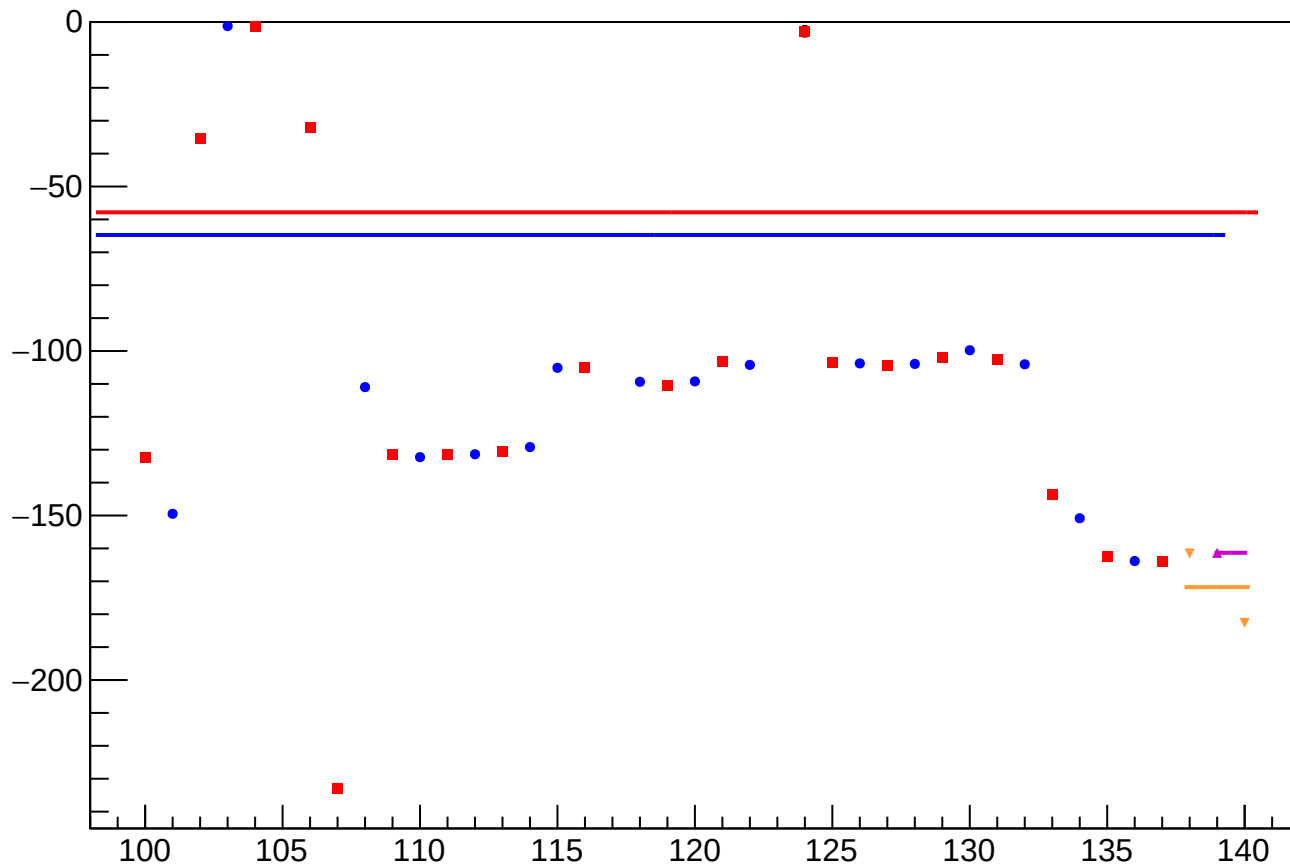
Left In: 54.653 $\pm$ 9.562 χ^2 /NDF: 0.0/0

+ sign 34.895 $\pm$ 1.193 χ^2 /NDF: 412.9/17

All: 30.663 $\pm$ 0.847 χ^2 /NDF: 634.9/37

- sign 26.358 $\pm$ 1.203 χ^2 /NDF: 196.7/19

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726 ± 0.064 $\chi^2/\text{NDF}: 1044441.7/15$

Left Out: -171.765 ± 0.161 $\chi^2/\text{NDF}: 4283.7/1$

Right Out: -57.855 ± 0.062 $\chi^2/\text{NDF}: 875795.9/18$

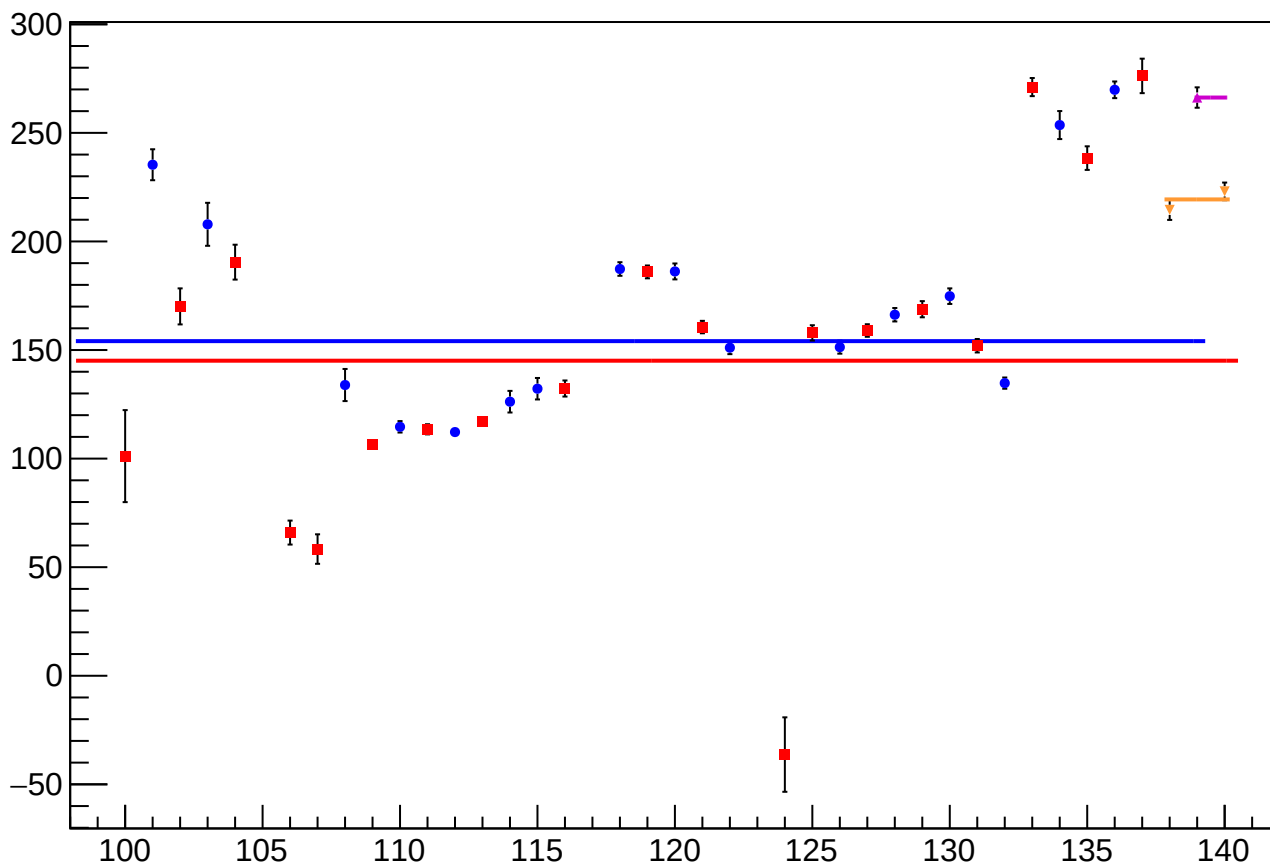
Left In: -161.326 ± 0.206 $\chi^2/\text{NDF}: 0.0/0$

+ sign -79.266 ± 0.059 $\chi^2/\text{NDF}: 1431176.5/17$

All: -72.895 ± 0.042 $\chi^2/\text{NDF}: 2561173.3/37$

- sign -66.480 ± 0.060 $\chi^2/\text{NDF}: 1106827.9/19$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096 $\pm$ 0.869 χ^2 /NDF: 2281.1/15

Left Out: 219.352 $\pm$ 3.050 χ^2 /NDF:1.9/1

Right Out: 145.083 $\pm$ 0.826 χ^2 /NDF: 2958.4/18

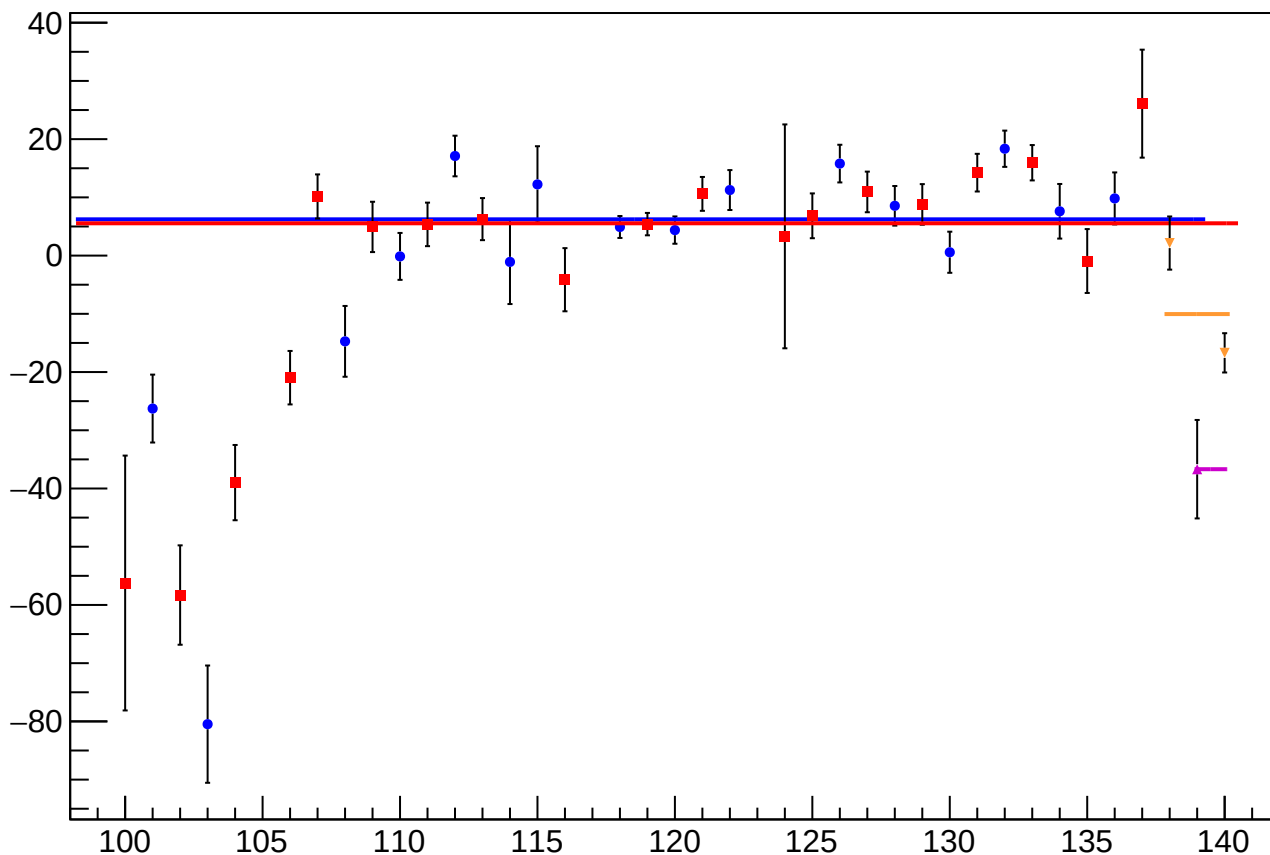
Left In: 266.267 $\pm$ 4.697 χ^2 /NDF:0.0/0

+ sign 158.996 $\pm$ 0.836 χ^2 /NDF: 2706.3/17

All: 153.718 $\pm$ 0.583 χ^2 /NDF: 6388.1/37

- sign 148.719 $\pm$ 0.814 χ^2 /NDF: 3604.2/19

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229 ± 0.890 χ^2/NDF : 162.1/15

Left Out: -10.043 ± 2.713 χ^2/NDF : 11.0/1

Right Out: 5.548 ± 0.889 χ^2/NDF : 181.1/18

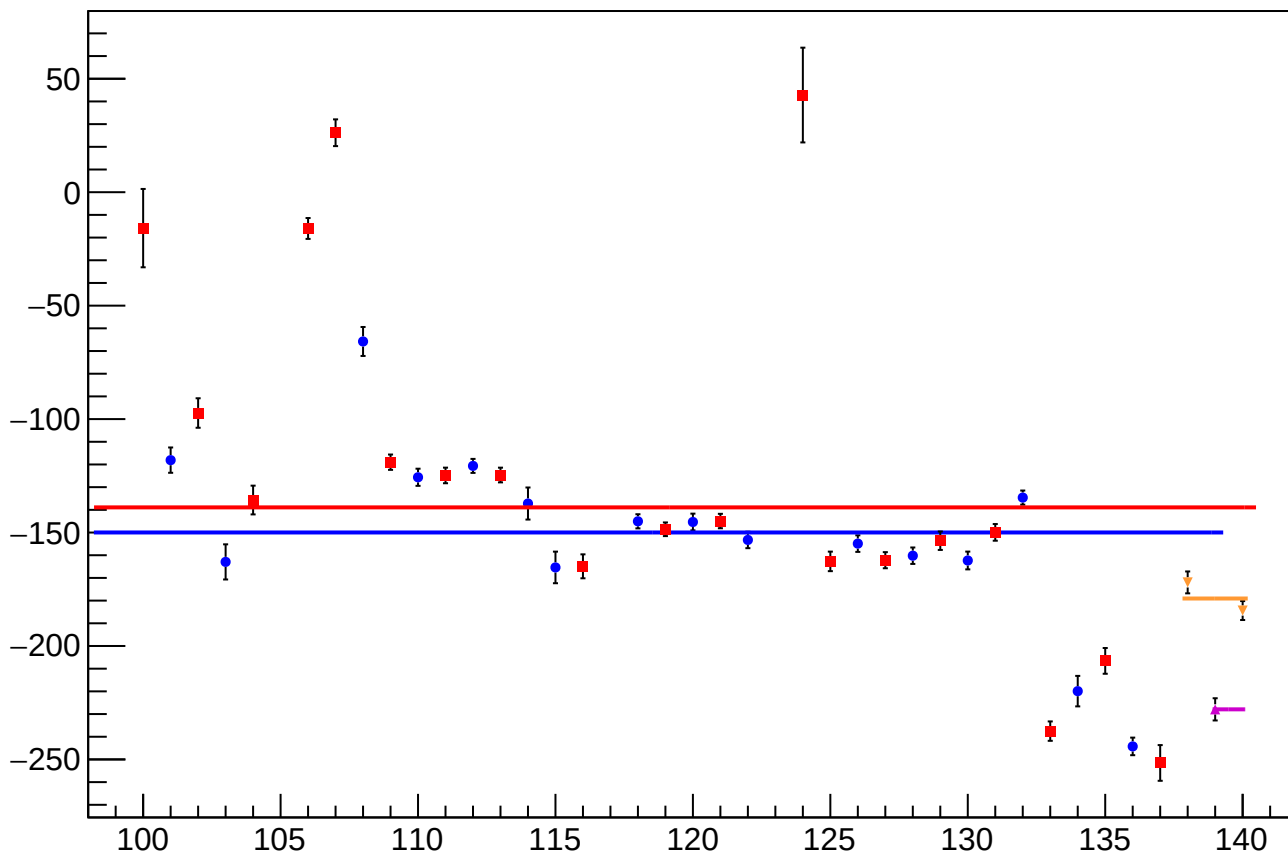
Left In: -36.685 ± 8.457 χ^2/NDF : 0.0/0

+ sign 4.648 ± 0.846 χ^2/NDF : 205.6/17

All: 4.857 ± 0.611 χ^2/NDF : 411.5/37

- sign 5.086 ± 0.885 χ^2/NDF : 205.8/19

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970 ± 1.026 χ^2/NDF : 1099.5/15

Left Out: -179.076 ± 3.156 χ^2/NDF : 3.8/1

Right Out: -138.912 ± 0.993 χ^2/NDF : 2750.9/18

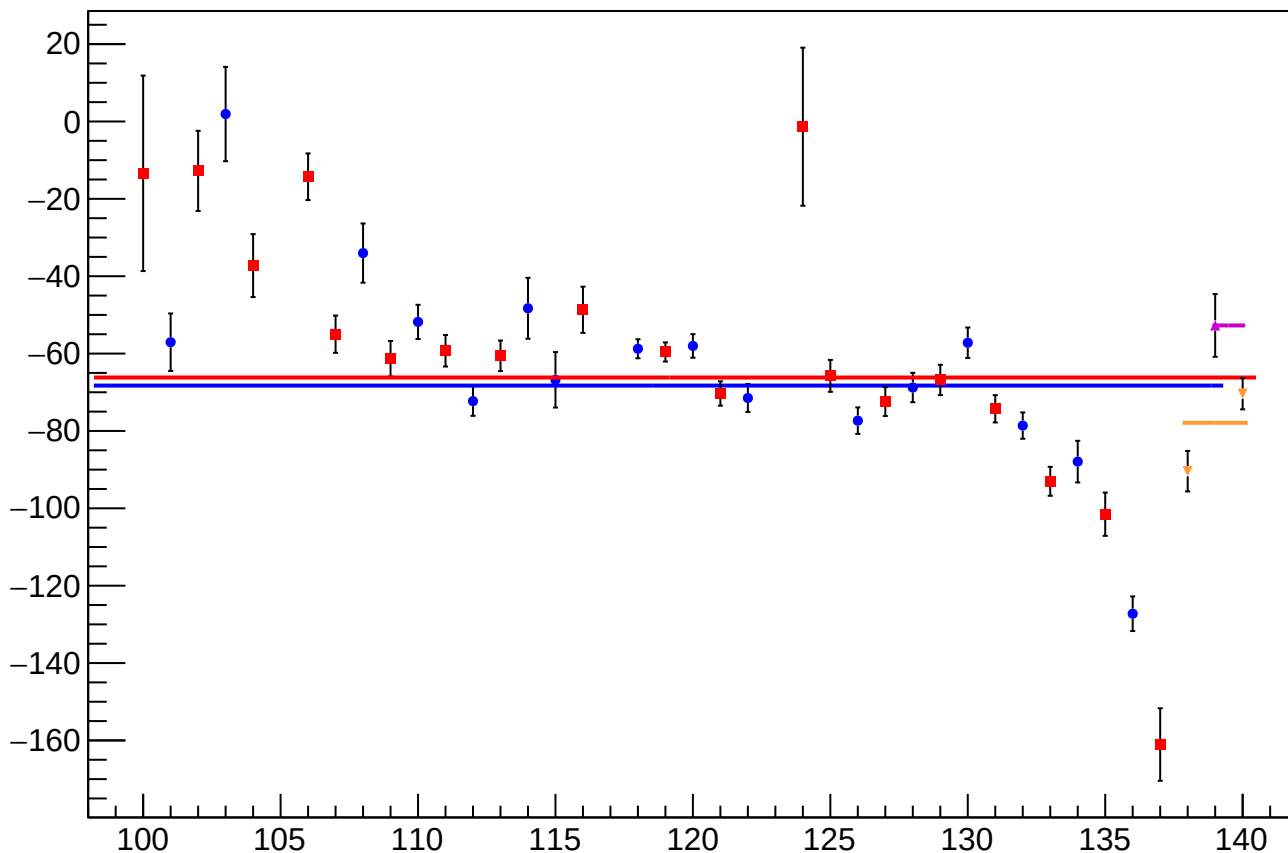
Left In: -227.927 ± 4.896 χ^2/NDF : 0.0/0

+ sign -152.750 ± 0.975 χ^2/NDF : 1180.2/17

All: -147.582 ± 0.689 χ^2/NDF : 4304.6/37

- sign -142.433 ± 0.974 χ^2/NDF : 3068.4/19

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272 ± 1.033 χ^2/NDF : 315.4/15

Left Out: -77.883 ± 3.205 χ^2/NDF : 9.2/1

Right Out: -66.186 ± 1.024 χ^2/NDF : 358.3/18

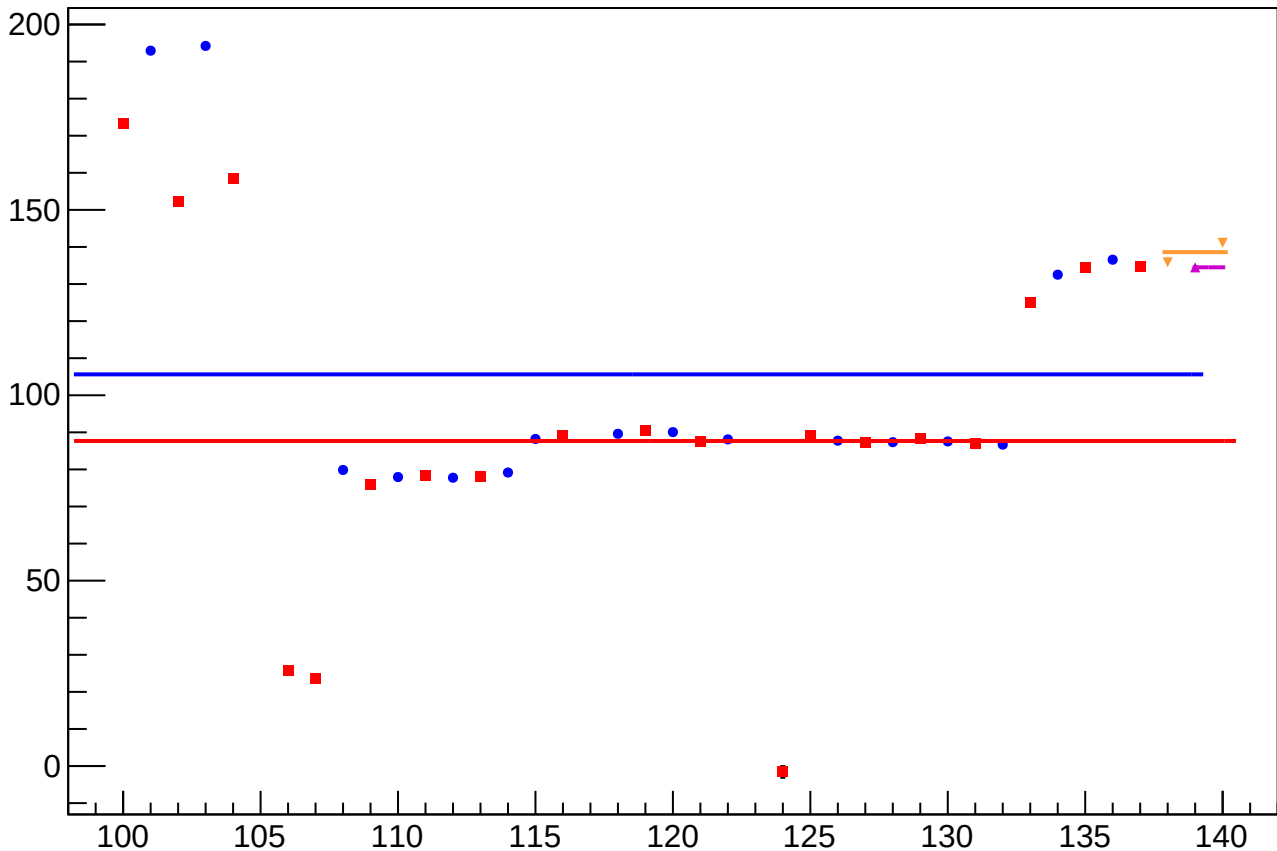
Left In: -52.726 ± 8.108 χ^2/NDF : 0.0/0

+ sign -69.177 ± 0.983 χ^2/NDF : 332.7/17

All: -67.628 ± 0.707 χ^2/NDF : 698.9/37

- sign -65.974 ± 1.016 χ^2/NDF : 361.1/19

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640 $\pm$ 0.071 χ^2 /NDF: 239614.1/15

Left Out: 138.598 $\pm$ 0.134 χ^2 /NDF: 385.6/1

Right Out: 87.673 $\pm$ 0.066 χ^2 /NDF: 374460.7/18

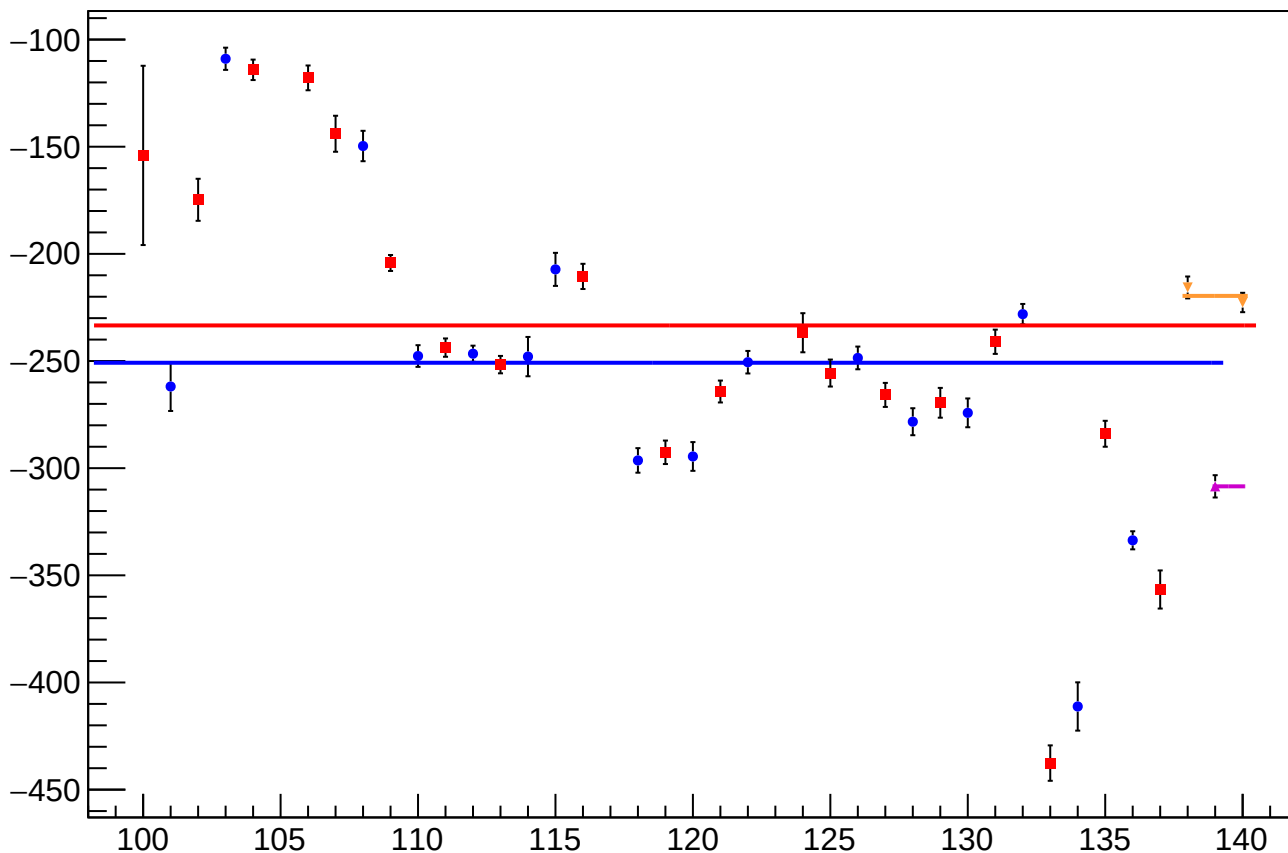
Left In: 134.510 $\pm$ 0.175 χ^2 /NDF: 0.0/0

+ sign 112.820 $\pm$ 0.063 χ^2 /NDF: 287170.0/17

All: 102.955 $\pm$ 0.044 χ^2 /NDF: 773282.4/37

- sign 93.466 $\pm$ 0.061 χ^2 /NDF: 437453.2/19

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812 ± 1.438 χ^2/NDF : 1735.7/15

Left Out: -219.612 ± 3.386 χ^2/NDF : 1.1/1

Right Out: -233.396 ± 1.333 χ^2/NDF : 2378.5/18

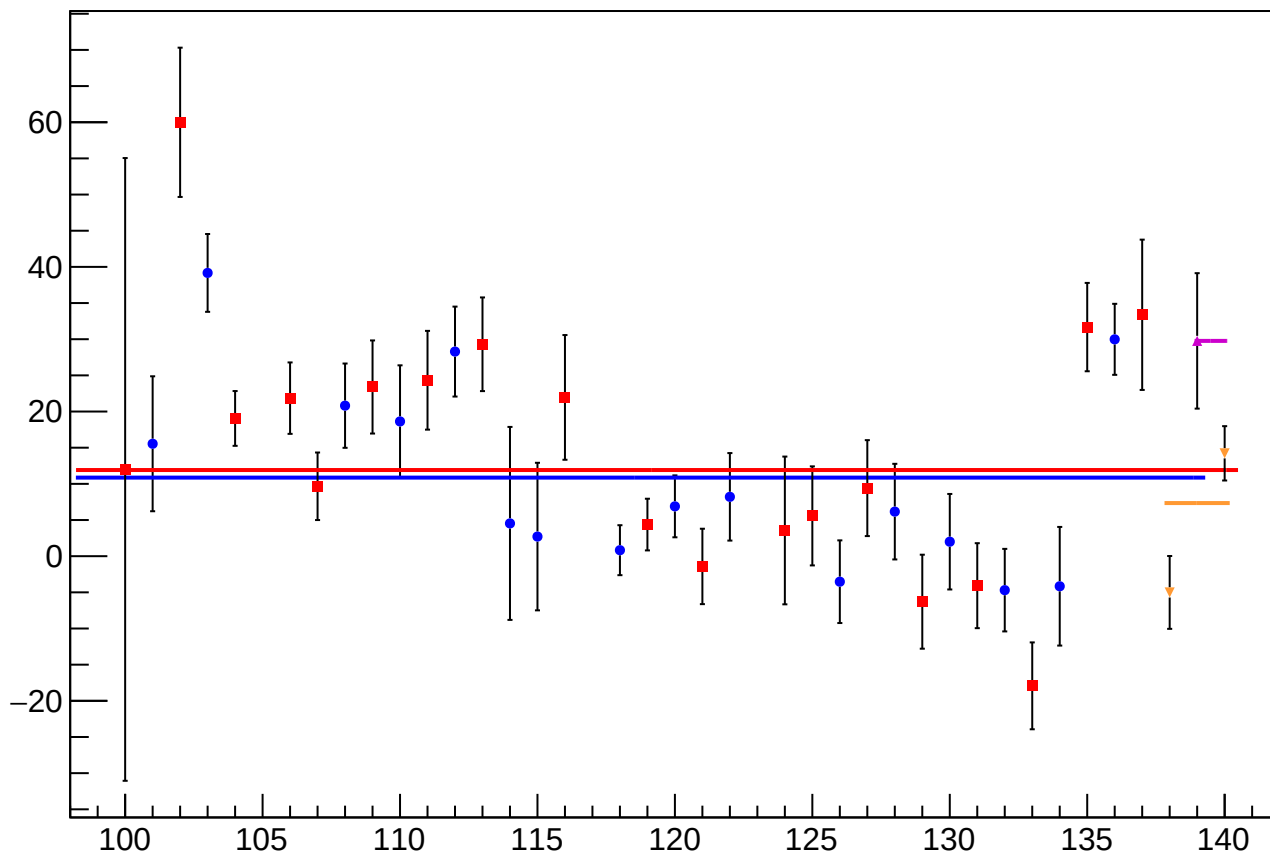
Left In: -308.479 ± 5.204 χ^2/NDF : 0.0/0

+ sign -246.042 ± 1.324 χ^2/NDF : 1808.7/17

All: -241.933 ± 0.924 χ^2/NDF : 4401.3/37

- sign -238.020 ± 1.292 χ^2/NDF : 2573.8/19

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864 ± 1.471 χ^2/NDF : 84.7/15

Left Out: 7.345 ± 3.011 χ^2/NDF : 9.4/1

Right Out: 11.912 ± 1.368 χ^2/NDF : 111.9/18

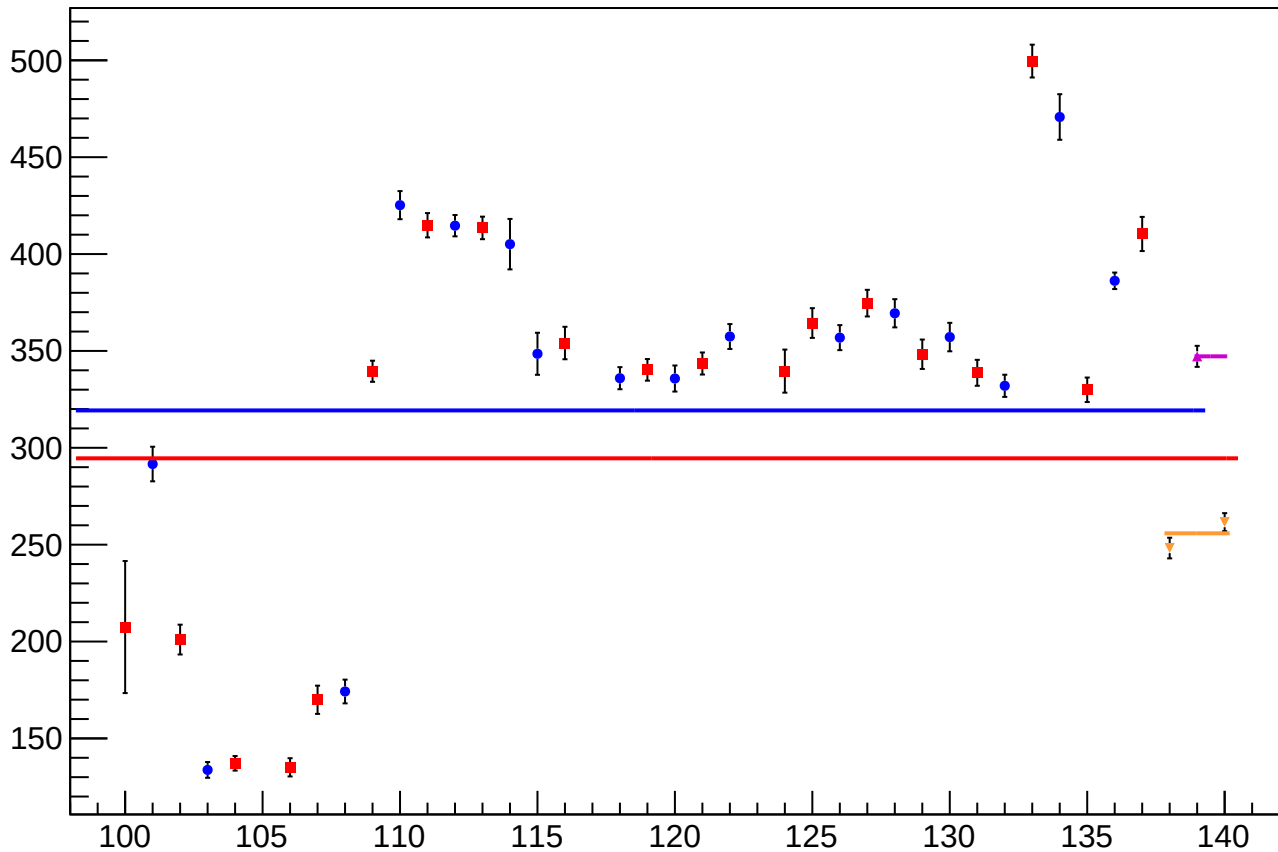
Left In: 29.767 ± 9.365 χ^2/NDF : 0.0/0

+ sign 10.187 ± 1.321 χ^2/NDF : 95.1/17

All: 11.211 ± 0.945 χ^2/NDF : 211.8/37

- sign 12.285 ± 1.353 χ^2/NDF : 115.5/19

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293 $\pm$ 1.586 χ^2/NDF : 3792.9/15

Left Out: 255.857 $\pm$ 3.503 χ^2/NDF : 3.6/1

Right Out: 294.567 $\pm$ 1.481 χ^2/NDF : 5503.2/18

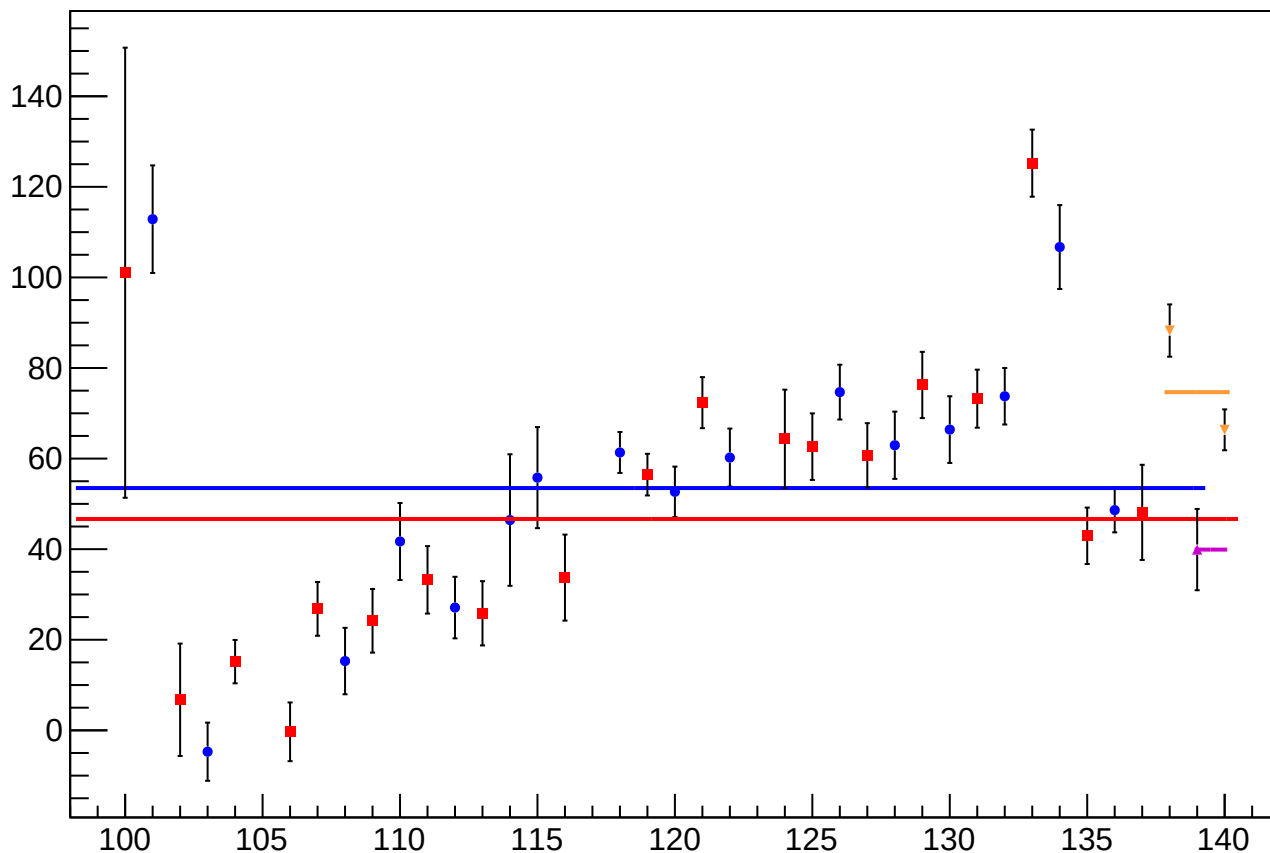
Left In: 347.207 $\pm$ 5.425 χ^2/NDF : 0.0/0

+ sign 308.502 $\pm$ 1.445 χ^2/NDF : 4068.6/17

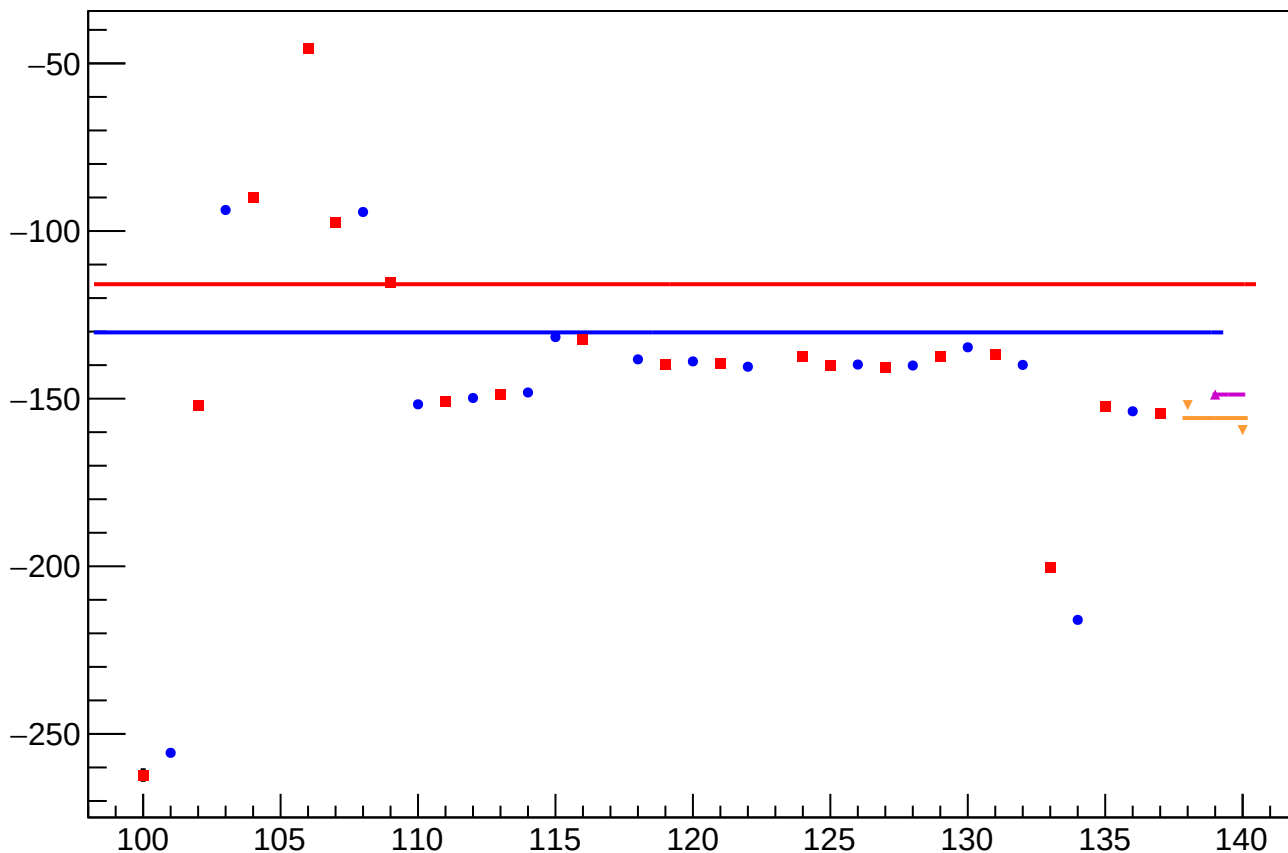
All: 303.305 $\pm$ 1.016 χ^2/NDF : 9685.0/37

- sign 298.220 $\pm$ 1.429 χ^2/NDF : 5590.8/19

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236 $\pm$ 0.091 χ^2 /NDF: 174208.5/15

Left Out: -155.784 $\pm$ 0.149 χ^2 /NDF: 624.7/1

Right Out: -115.865 $\pm$ 0.086 χ^2 /NDF: 205899.4/18

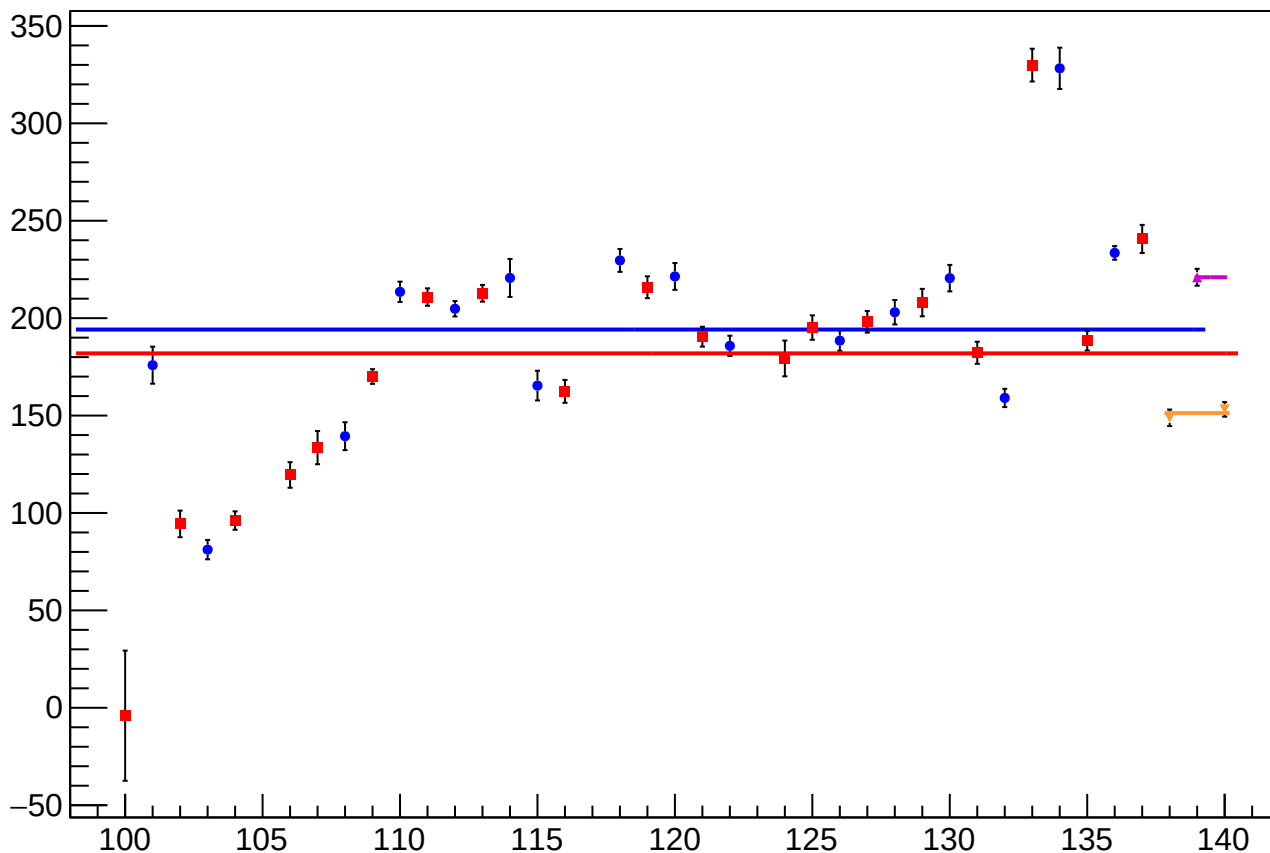
Left In: -148.771 $\pm$ 0.193 χ^2 /NDF: 0.0/0

+ sign -137.186 $\pm$ 0.078 χ^2 /NDF: 196235.8/17

All: -129.293 $\pm$ 0.055 χ^2 /NDF: 447126.9/37

- sign -121.264 $\pm$ 0.078 χ^2 /NDF: 230080.1/19

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164 $\pm$ 1.407 χ^2 /NDF: 1035.2/15

Left Out: 151.278 $\pm$ 2.808 χ^2 /NDF: 0.6/1

Right Out: 181.928 $\pm$ 1.322 χ^2 /NDF: 1204.8/18

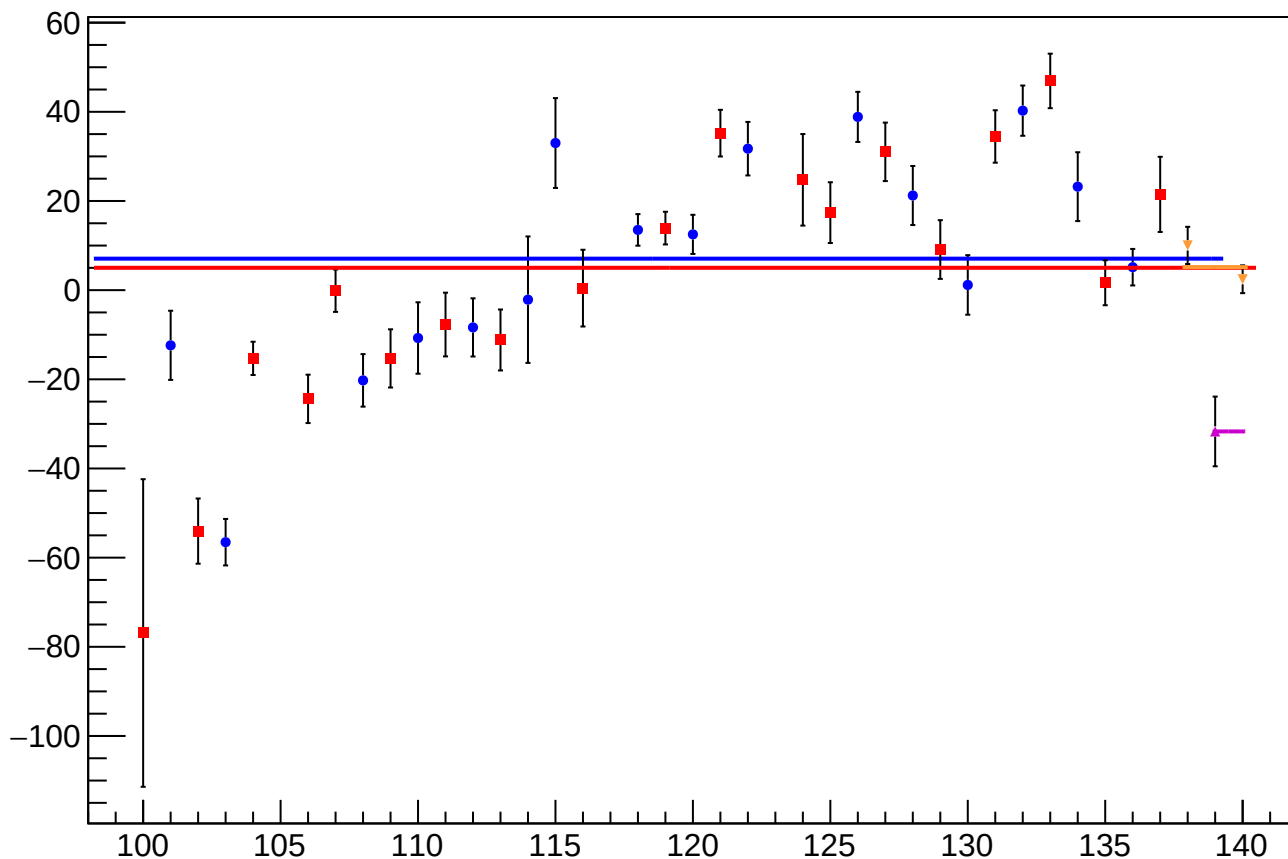
Left In: 220.999 $\pm$ 4.334 χ^2 /NDF: 0.0/0

+ sign 185.563 $\pm$ 1.258 χ^2 /NDF: 1222.2/17

All: 185.408 $\pm$ 0.892 χ^2 /NDF: 2501.4/37

- sign 185.252 $\pm$ 1.264 χ^2 /NDF: 1279.2/19

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066 ± 1.443 χ^2/NDF : 292.6/15

Left Out: 5.167 ± 2.496 χ^2/NDF : 2.1/1

Right Out: 5.015 ± 1.355 χ^2/NDF : 288.5/18

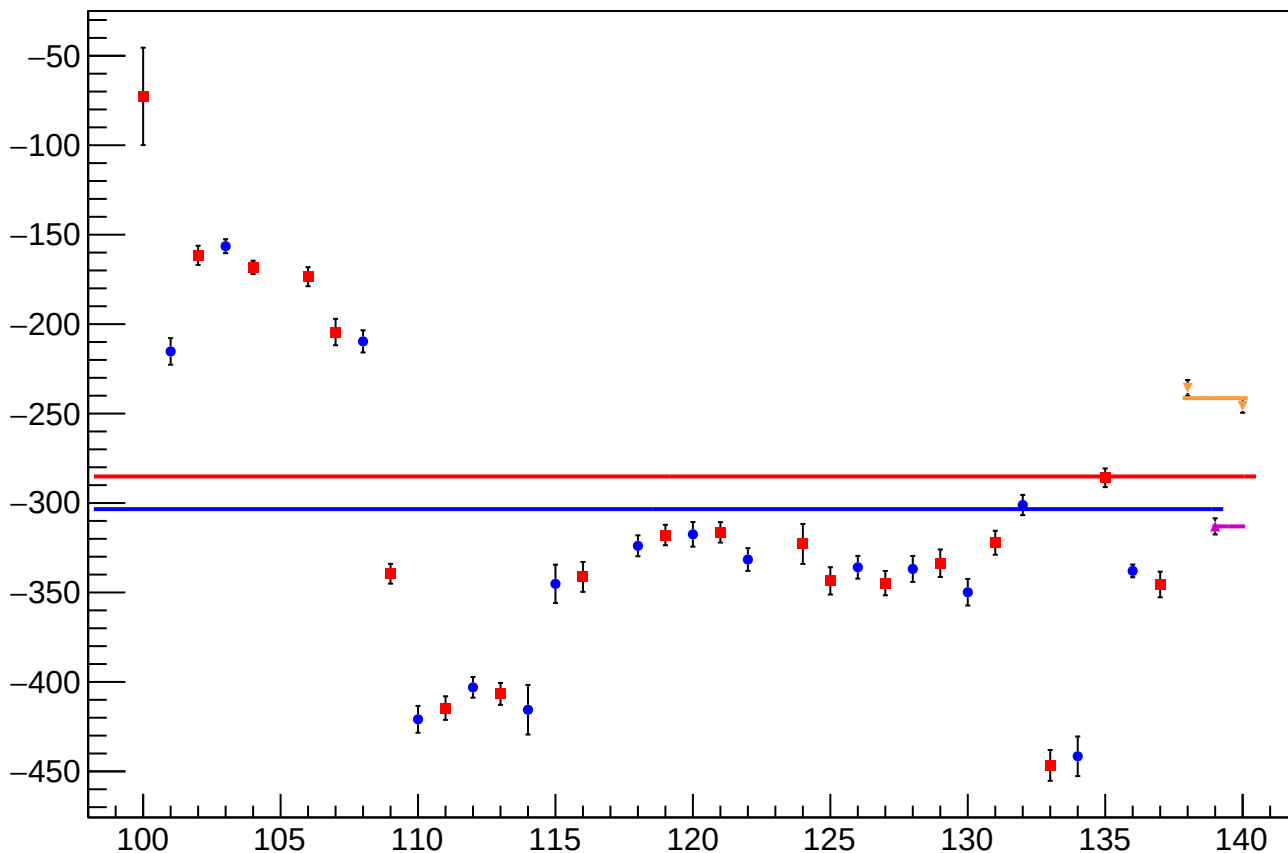
Left In: -31.693 ± 7.817 χ^2/NDF : 0.0/0

+ sign 6.590 ± 1.249 χ^2/NDF : 295.1/17

All: 5.355 ± 0.912 χ^2/NDF : 607.2/37

- sign 3.945 ± 1.335 χ^2/NDF : 309.9/19

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF : 2785.5/15

Left Out: -241.366+/-2.906 χ^2/NDF : 2.9/1

Right Out: -285.148+/-1.451 χ^2/NDF : 3754.8/18

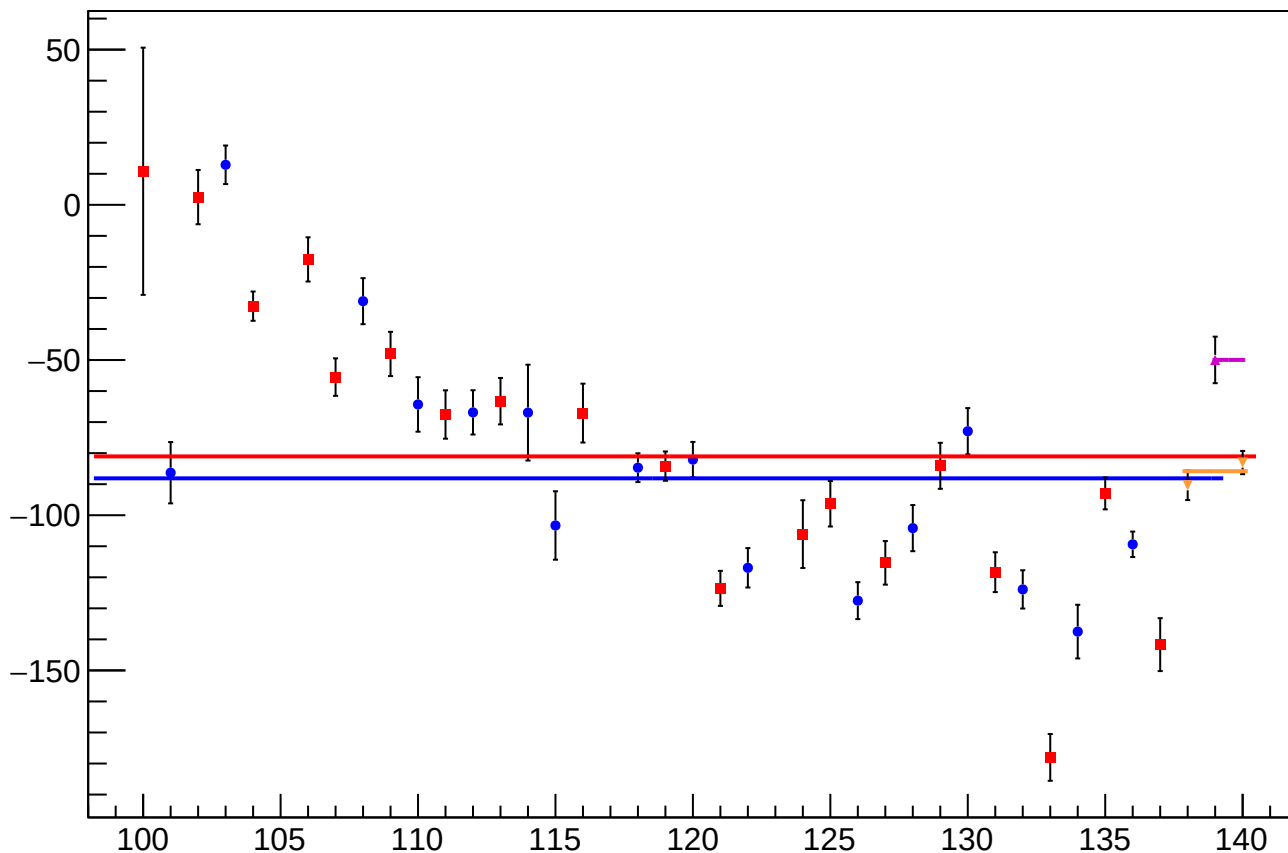
Left In: -313.055+/-4.517 χ^2/NDF : 0.0/0

+ sign -289.942+/-1.354 χ^2/NDF : 3145.3/17

All: -288.872+/-0.967 χ^2/NDF : 6936.0/37

- sign -287.758+/-1.381 χ^2/NDF : 3789.4/19

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119 ± 1.655 χ^2/NDF : 511.9/15

Left Out: -85.813 ± 2.949 χ^2/NDF : 1.4/1

Right Out: -81.046 ± 1.569 χ^2/NDF : 677.5/18

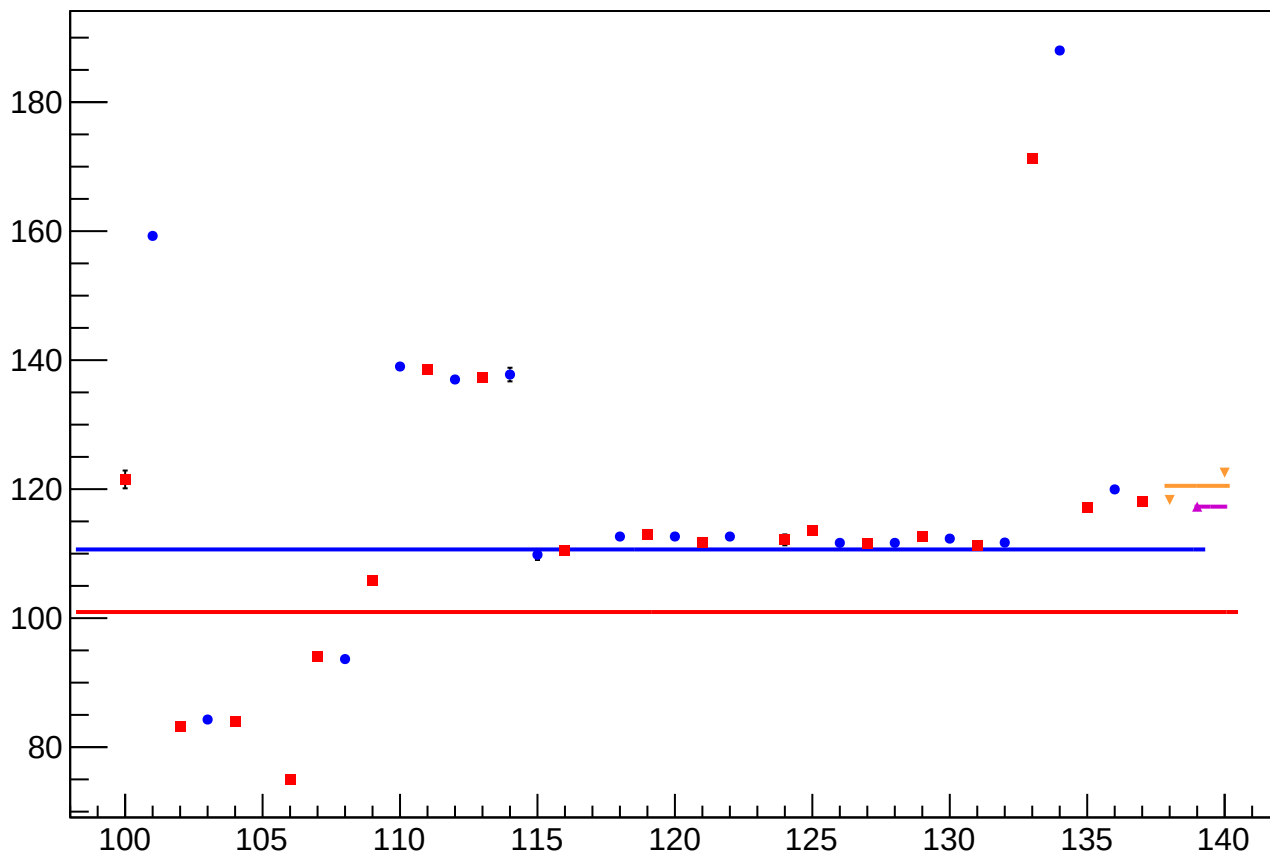
Left In: -49.967 ± 7.496 χ^2/NDF : 0.0/0

+ sign -87.567 ± 1.443 χ^2/NDF : 513.8/17

All: -83.897 ± 1.052 χ^2/NDF : 1221.6/37

- sign -79.742 ± 1.536 χ^2/NDF : 694.0/19

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF : 83521.8/15

Left Out: 120.513+/-0.124 χ^2/NDF : 292.9/1

Right Out: 100.949+/-0.081 χ^2/NDF : 62002.4/18

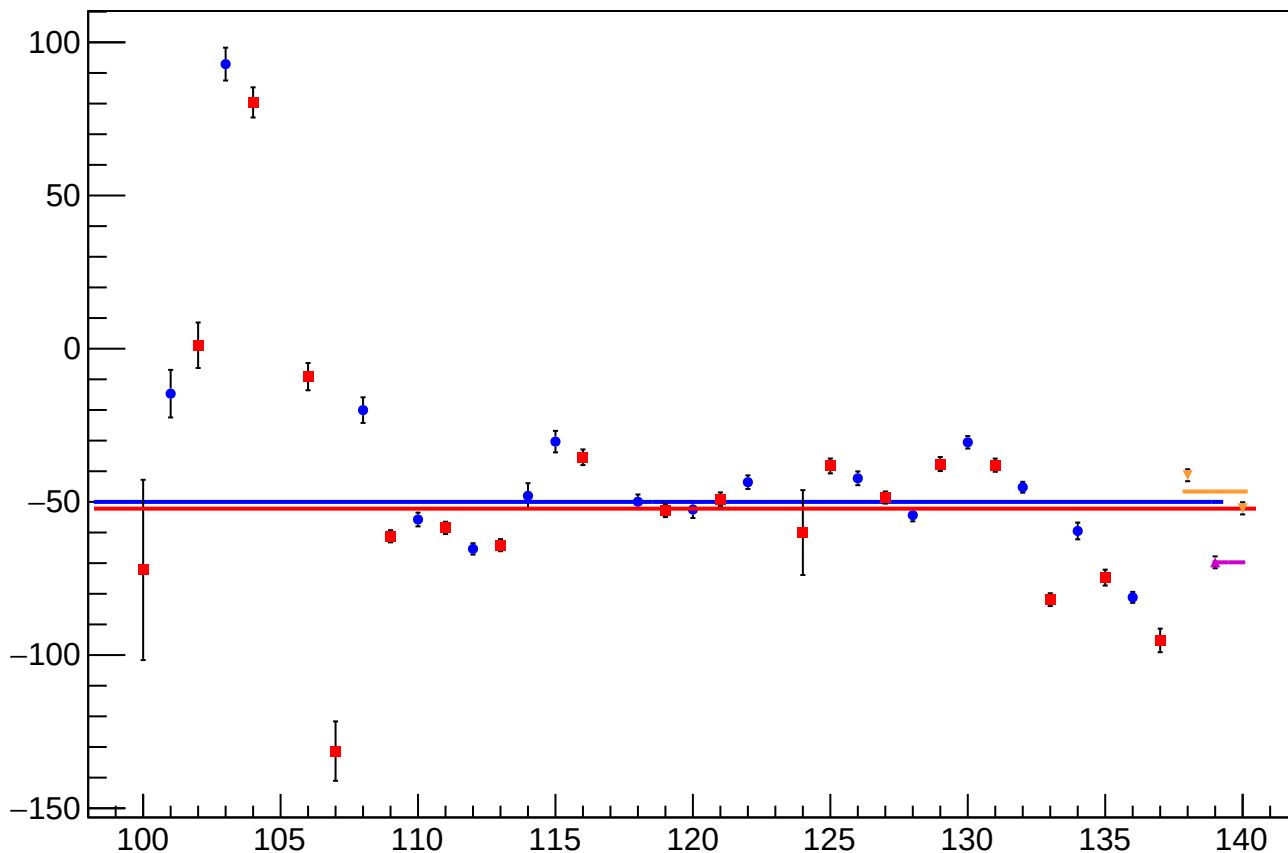
Left In: 117.287+/-0.161 χ^2/NDF : 0.0/0

+ sign 113.861+/-0.070 χ^2/NDF : 88113.3/17

All: 109.175+/-0.050 χ^2/NDF : 167380.6/37

- sign 104.232+/-0.072 χ^2/NDF : 70182.4/19

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008 ± 0.610 $\chi^2/\text{NDF}: 1327.4/15$

Left Out: -46.615 ± 1.394 $\chi^2/\text{NDF}: 15.0/1$

Right Out: -52.207 ± 0.605 $\chi^2/\text{NDF}: 1570.3/18$

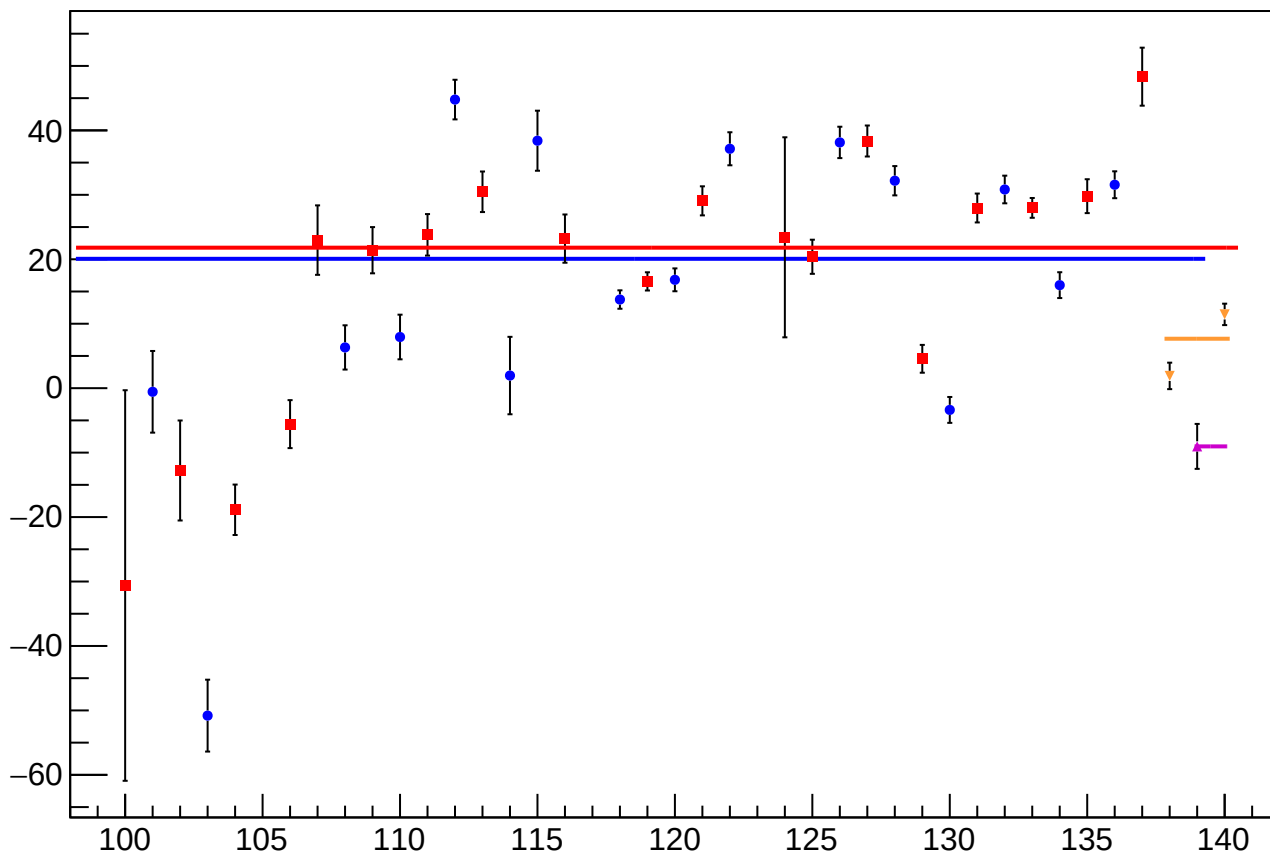
Left In: -69.732 ± 1.941 $\chi^2/\text{NDF}: 0.0/0$

+ sign -49.463 ± 0.559 $\chi^2/\text{NDF}: 1347.3/17$

All: -51.540 ± 0.402 $\chi^2/\text{NDF}: 3020.5/37$

- sign -53.759 ± 0.578 $\chi^2/\text{NDF}: 1644.6/19$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072 $\pm$ 0.612 χ^2 /NDF: 636.2/15

Left Out: 7.672 $\pm$ 1.292 χ^2 /NDF:13.1/1

Right Out: 21.800 $\pm$ 0.622 χ^2 /NDF: 396.3/18

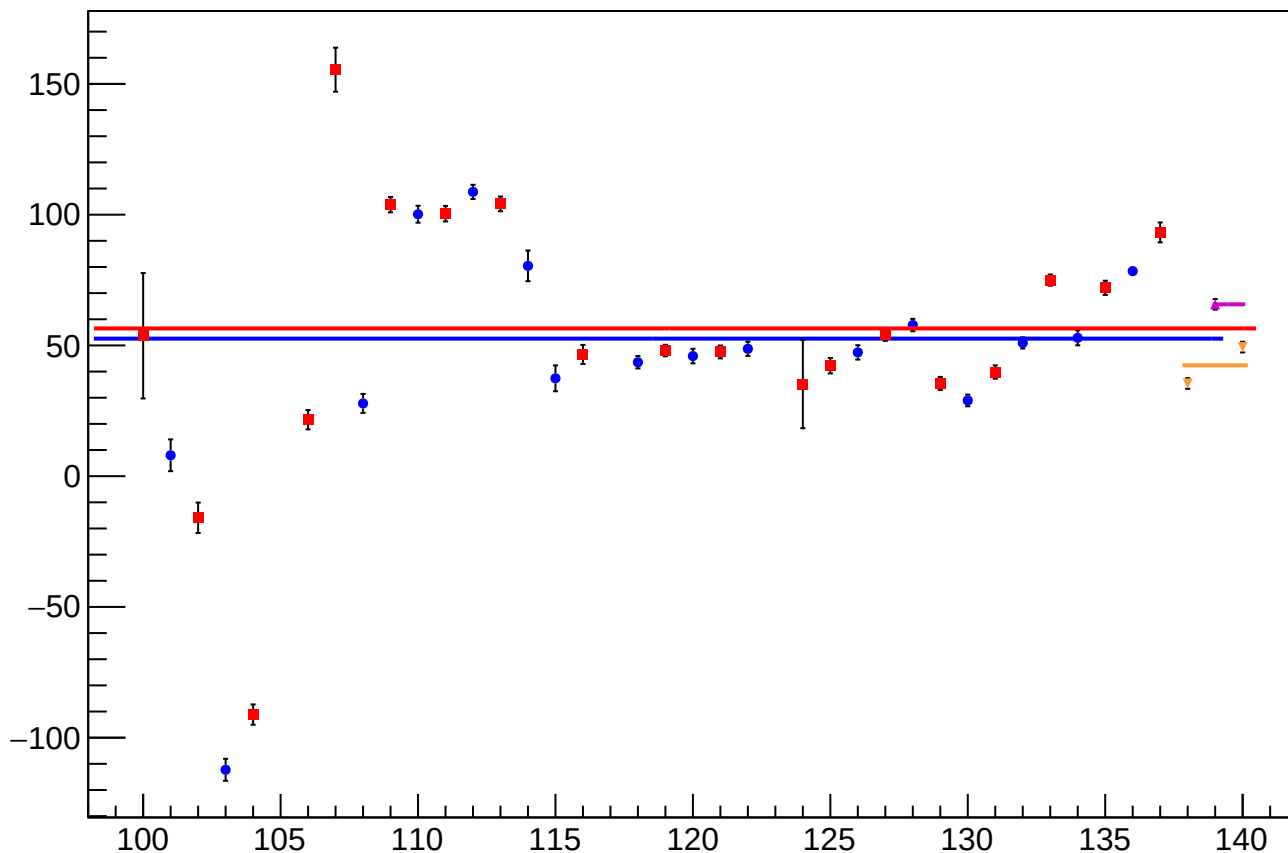
Left In: -9.033 $\pm$ 3.488 χ^2 /NDF:0.0/0

+ sign 17.800 $\pm$ 0.553 χ^2 /NDF: 724.5/17

All: 19.170 $\pm$ 0.410 χ^2 /NDF: 1210.3/37

- sign 20.849 $\pm$ 0.612 χ^2 /NDF: 472.1/19

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605 $\pm$ 0.696 χ^2 /NDF: 2659.4/15

Left Out: 42.400 $\pm$ 1.445 χ^2 /NDF: 23.2/1

Right Out: 56.499 $\pm$ 0.705 χ^2 /NDF: 2965.5/18

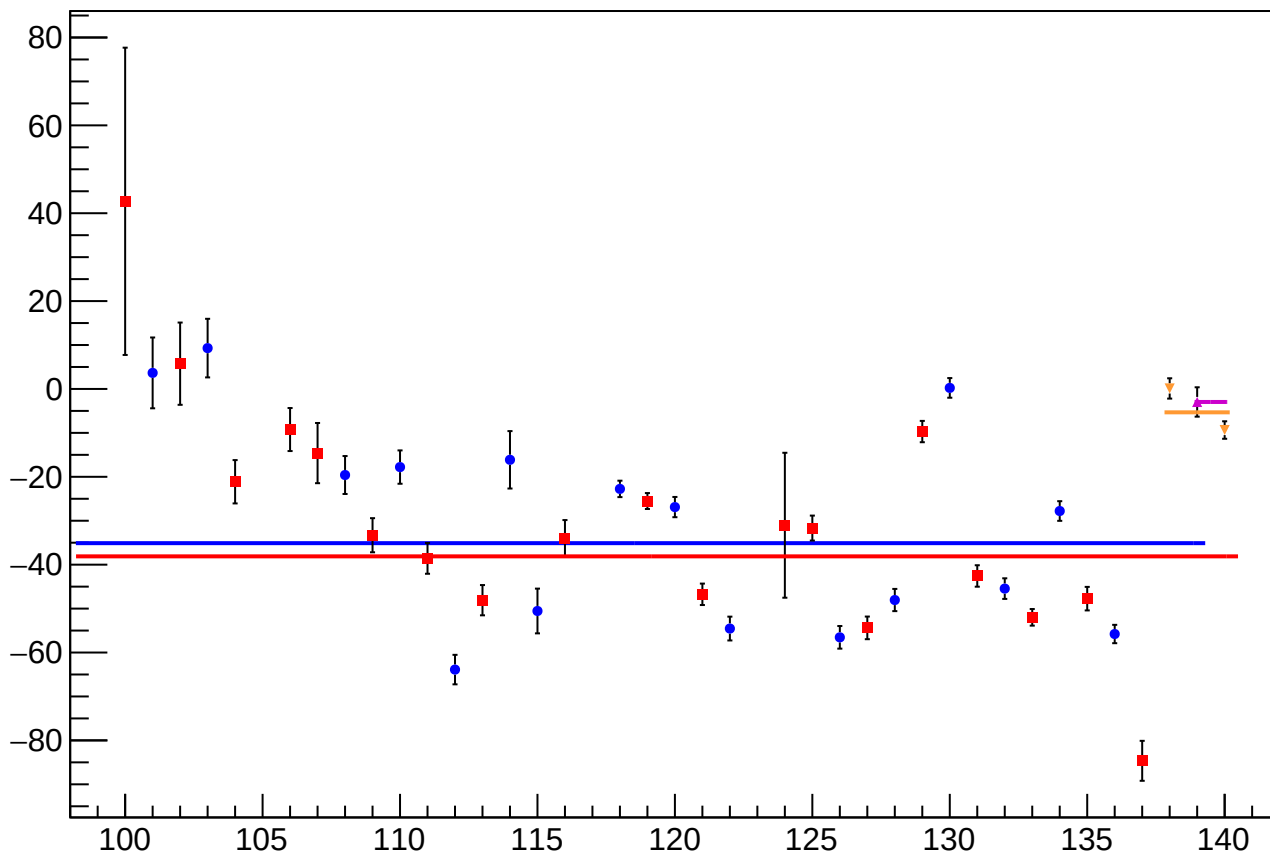
Left In: 65.709 $\pm$ 2.024 χ^2 /NDF: 0.0/0

+ sign 50.682 $\pm$ 0.627 χ^2 /NDF: 2723.1/17

All: 53.885 $\pm$ 0.457 χ^2 /NDF: 5762.5/37

- sign 57.497 $\pm$ 0.666 χ^2 /NDF: 2984.0/19

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104 ± 0.700 χ^2/NDF : 773.2/15

Left Out: -5.325 ± 1.509 χ^2/NDF : 9.6/1

Right Out: -38.109 ± 0.714 χ^2/NDF : 514.6/18

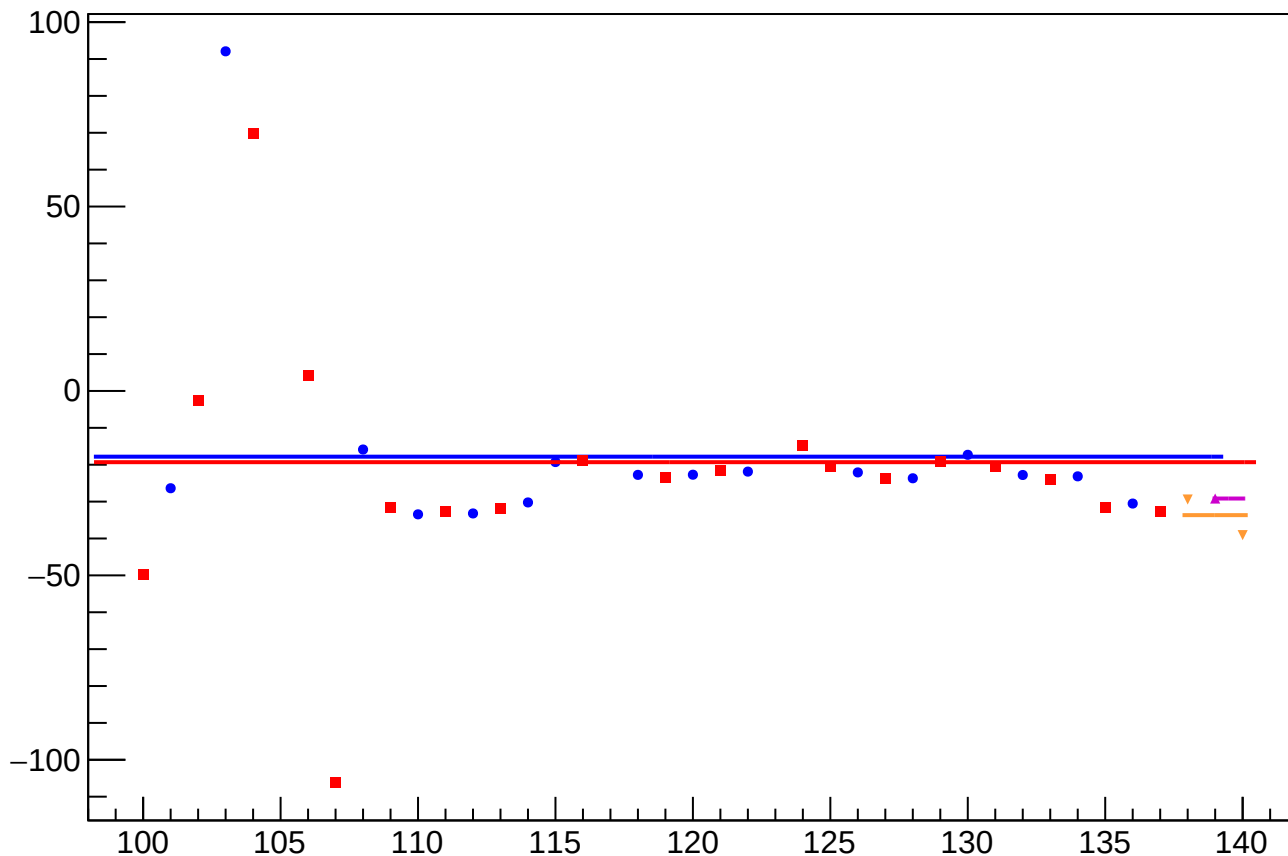
Left In: -2.965 ± 3.344 χ^2/NDF : 0.0/0

+ sign -29.829 ± 0.635 χ^2/NDF : 1103.3/17

All: -32.885 ± 0.470 χ^2/NDF : 1774.6/37

- sign -36.577 ± 0.698 χ^2/NDF : 620.2/19

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817 ± 0.043 $\chi^2/\text{NDF}: 426105.1/15$

Left Out: -33.669 ± 0.060 $\chi^2/\text{NDF}: 6332.0/1$

Right Out: -19.311 ± 0.046 $\chi^2/\text{NDF}: 344626.7/18$

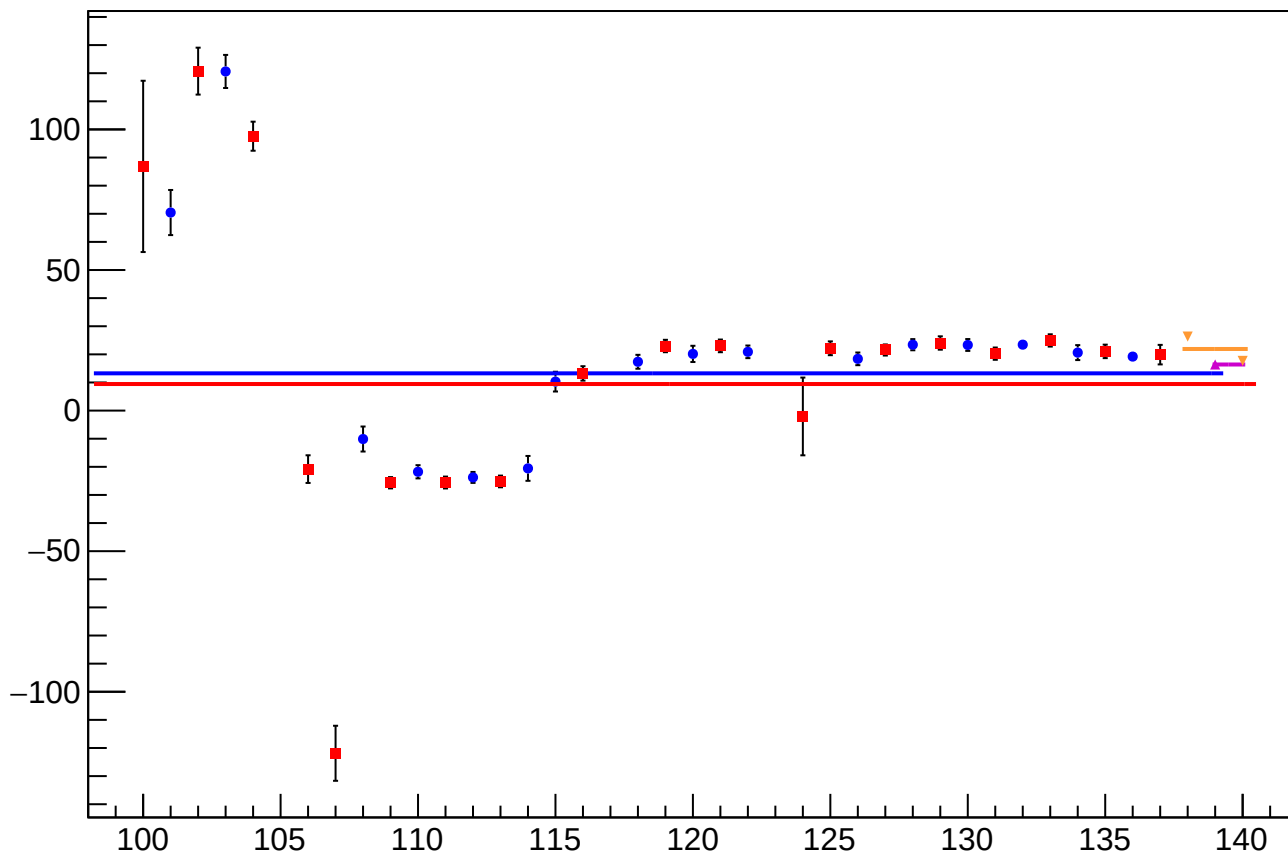
Left In: -29.166 ± 0.072 $\chi^2/\text{NDF}: 0.0/0$

+ sign -23.206 ± 0.035 $\chi^2/\text{NDF}: 478143.3/17$

All: -22.743 ± 0.026 $\chi^2/\text{NDF}: 836453.6/37$

- sign -22.177 ± 0.039 $\chi^2/\text{NDF}: 357923.7/19$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250 $\pm$ 0.615 χ^2 /NDF: 1182.5/15

Left Out: 21.914 $\pm$ 1.250 χ^2 /NDF:12.0/1

Right Out: 9.450 $\pm$ 0.615 χ^2 /NDF: 1836.6/18

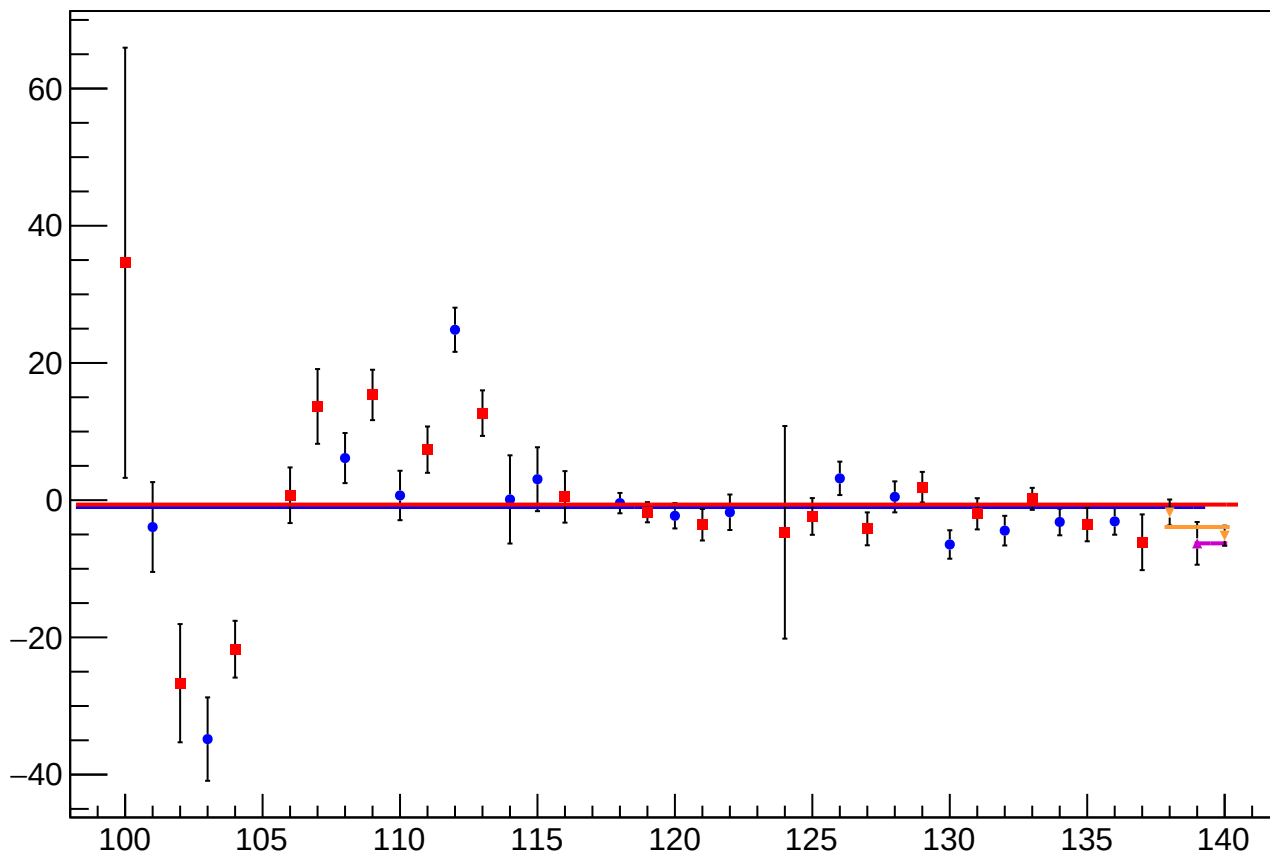
Left In: 16.393 $\pm$ 1.724 χ^2 /NDF:0.0/0

+ sign 14.937 $\pm$ 0.552 χ^2 /NDF: 1233.1/17

All: 12.701 $\pm$ 0.399 χ^2 /NDF: 3118.7/37

- sign 10.234 $\pm$ 0.579 χ^2 /NDF: 1851.0/19

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993 ± 0.619 χ^2/NDF : 116.3/15

Left Out: -3.913 ± 1.159 χ^2/NDF : 2.0/1

Right Out: -0.644 ± 0.636 χ^2/NDF : 94.2/18

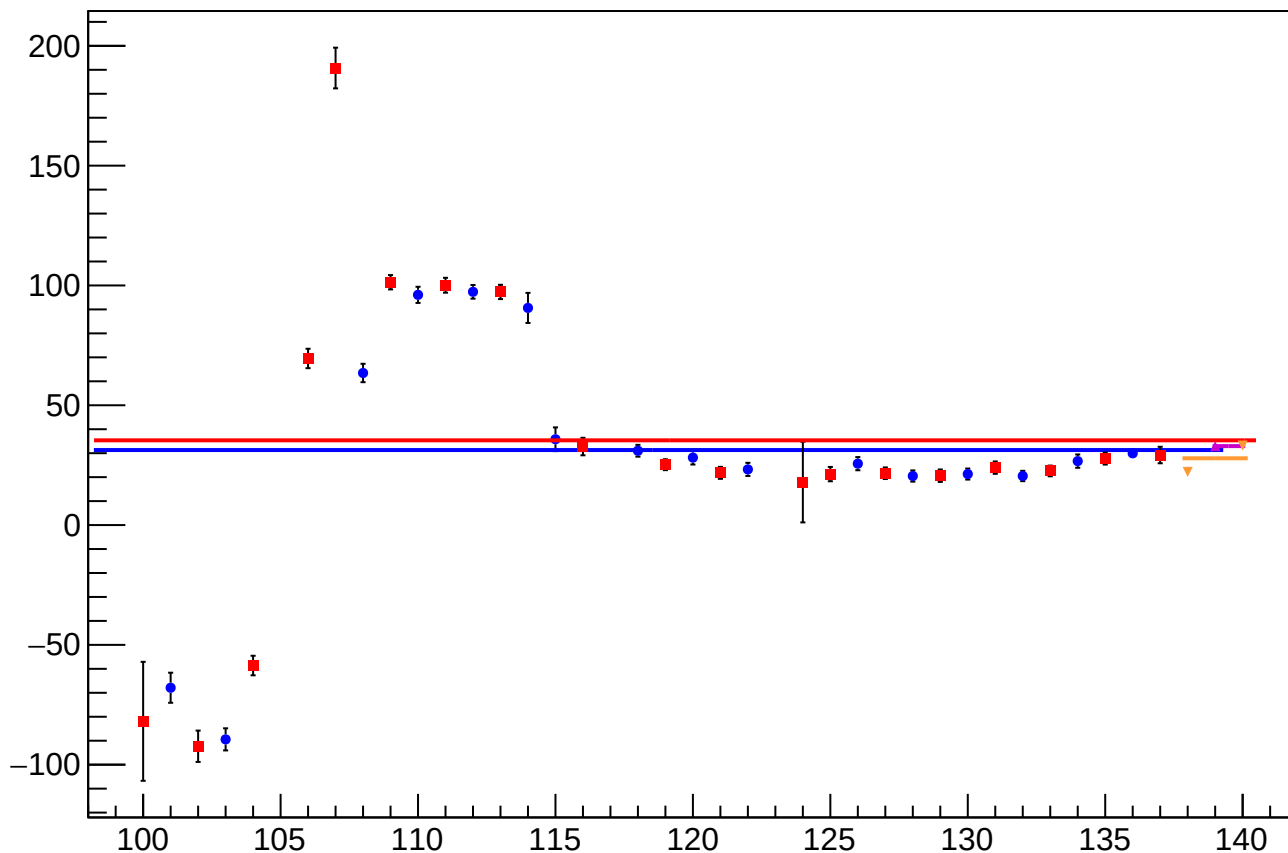
Left In: -6.294 ± 3.115 χ^2/NDF : 0.0/0

+ sign -1.641 ± 0.546 χ^2/NDF : 123.3/17

All: -1.306 ± 0.411 χ^2/NDF : 221.5/37

- sign -0.870 ± 0.623 χ^2/NDF : 97.4/19

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310 $\pm$ 0.700 χ^2 /NDF: 2085.9/15

Left Out: 27.869 $\pm$ 1.295 χ^2 /NDF:18.0/1

Right Out: 35.366 $\pm$ 0.717 χ^2 /NDF: 2897.7/18

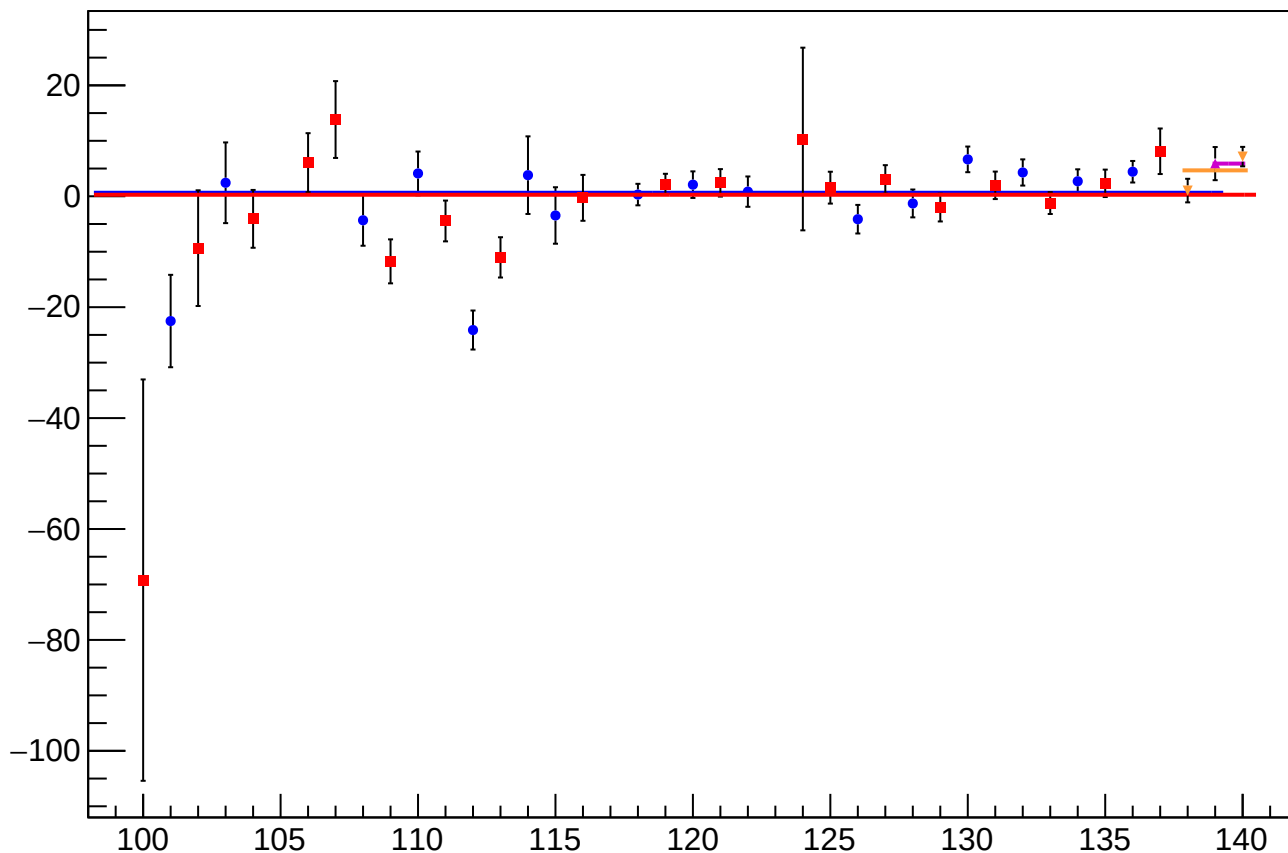
Left In: 32.955 $\pm$ 1.796 χ^2 /NDF:0.0/0

+ sign 30.532 $\pm$ 0.616 χ^2 /NDF: 2109.3/17

All: 32.607 $\pm$ 0.452 χ^2 /NDF: 5033.2/37

- sign 35.035 $\pm$ 0.666 χ^2 /NDF: 2899.2/19

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632 ± 0.705 χ^2/NDF : 78.4/15

Left Out: 4.672 ± 1.353 χ^2/NDF : 4.9/1

Right Out: 0.274 ± 0.726 χ^2/NDF : 40.5/18

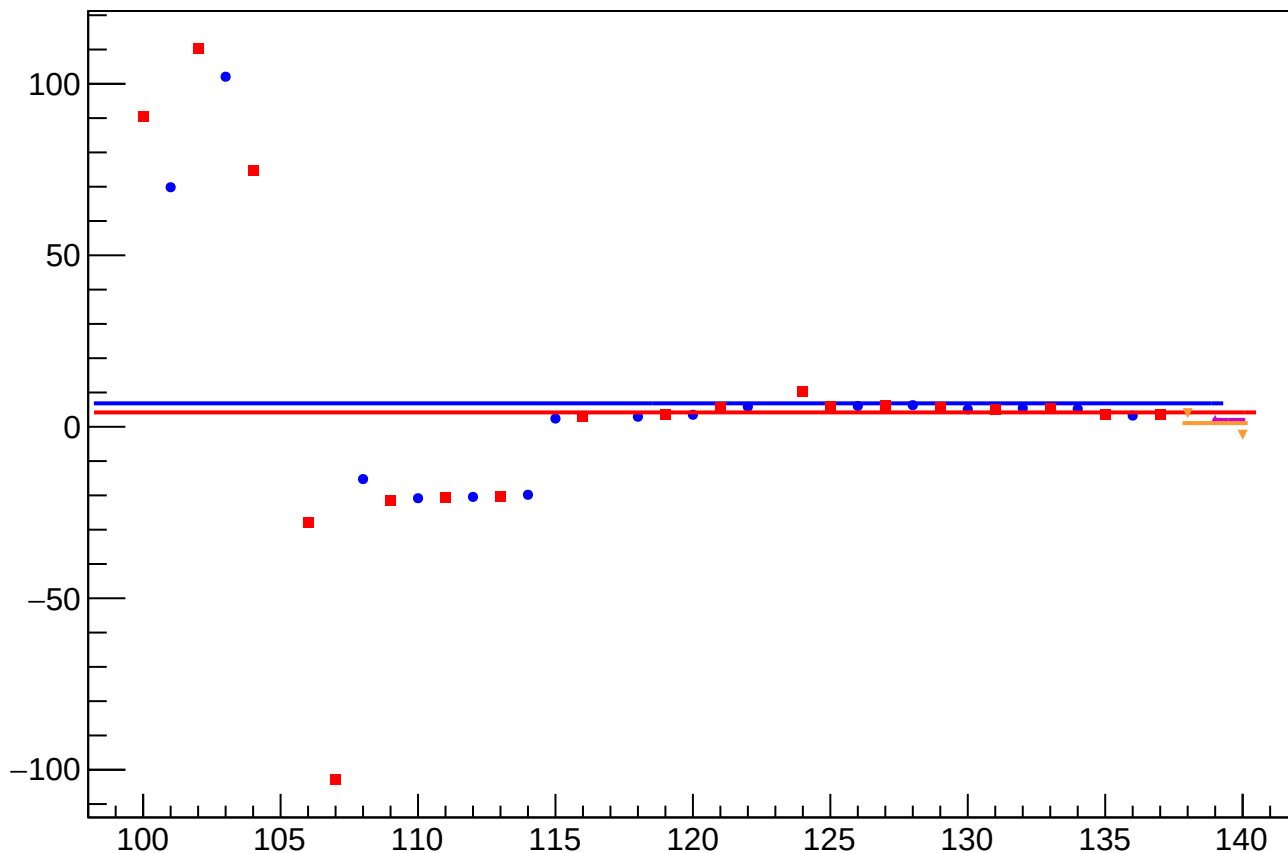
Left In: 5.890 ± 2.988 χ^2/NDF : 0.0/0

+ sign 1.494 ± 0.625 χ^2/NDF : 90.4/17

All: 1.096 ± 0.468 χ^2/NDF : 135.1/37

- sign 0.588 ± 0.705 χ^2/NDF : 43.8/19

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838 ± 0.043 $\chi^2/\text{NDF}: 320954.7/15$

Left Out: 1.082 ± 0.054 $\chi^2/\text{NDF}: 3370.5/1$

Right Out: 4.190 ± 0.046 $\chi^2/\text{NDF}: 434546.8/18$

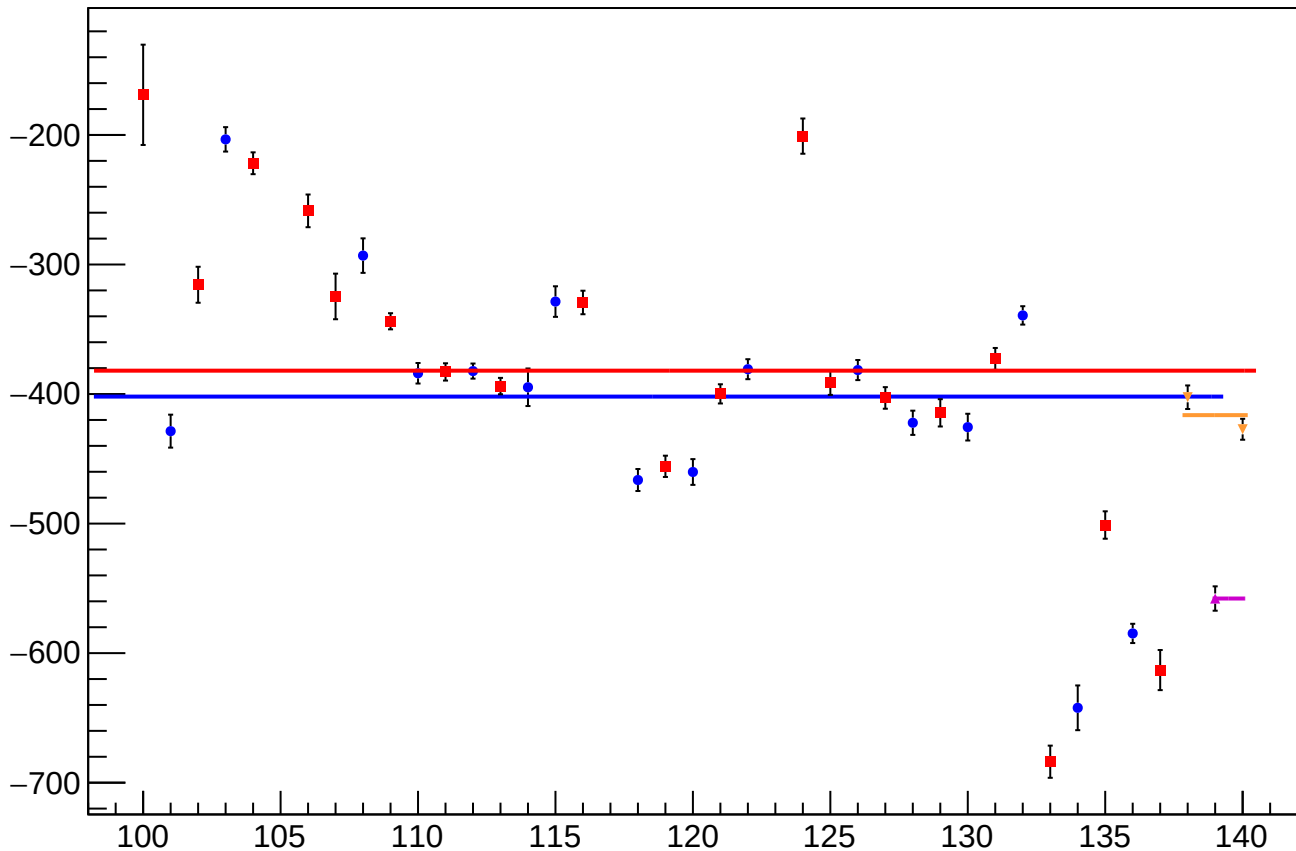
Left In: 2.000 ± 0.064 $\chi^2/\text{NDF}: 0.0/0$

+ sign 4.611 ± 0.034 $\chi^2/\text{NDF}: 331305.7/17$

All: 4.092 ± 0.025 $\chi^2/\text{NDF}: 767158.0/37$

- sign 3.441 ± 0.038 $\chi^2/\text{NDF}: 435312.3/19$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961 ± 2.236 χ^2/NDF : 1563.3/15

Left Out: -416.277 ± 6.040 χ^2/NDF : 4.1/1

Right Out: -381.949 ± 2.124 χ^2/NDF : 1817.4/18

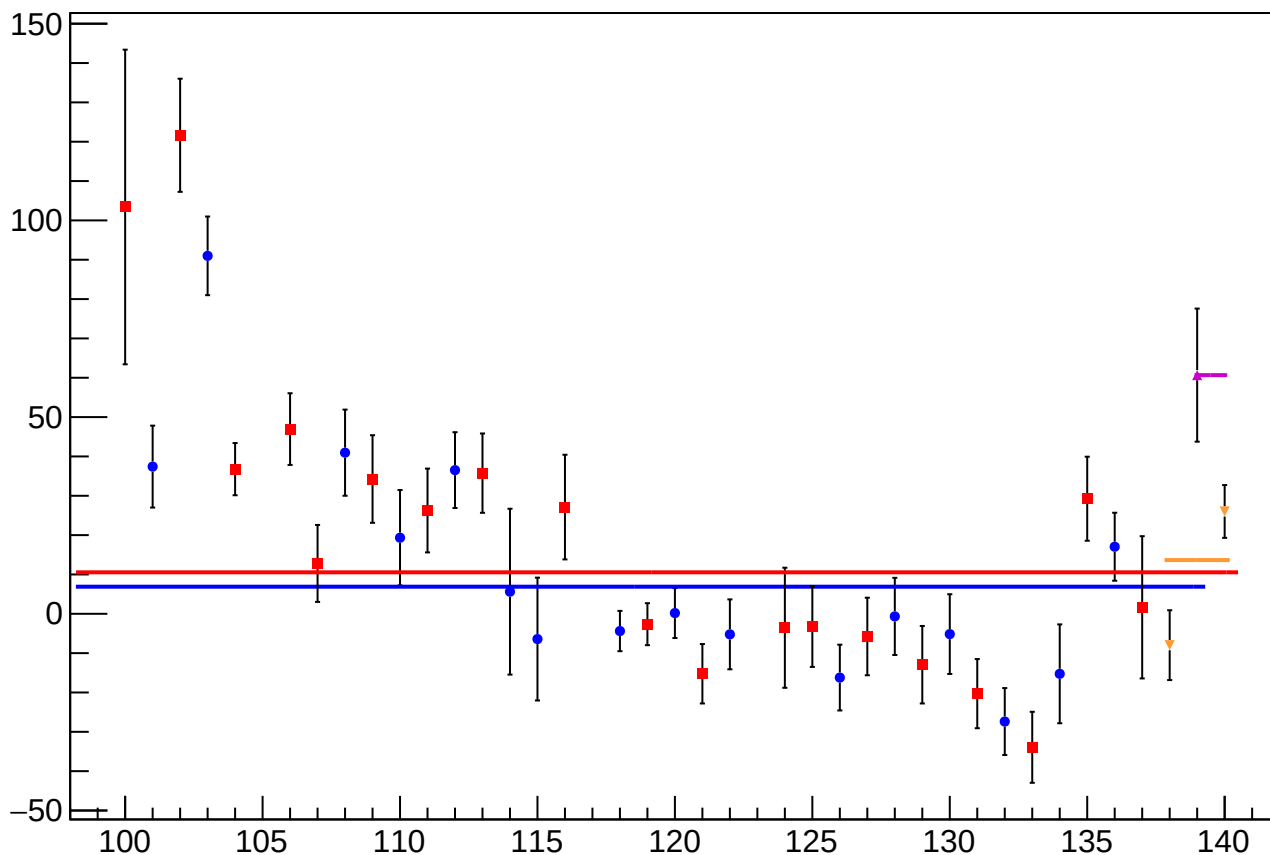
Left In: -557.845 ± 9.405 χ^2/NDF : 0.0/0

+ sign -403.686 ± 2.097 χ^2/NDF : 1572.4/17

All: -397.008 ± 1.474 χ^2/NDF : 3742.6/37

- sign -390.487 ± 2.072 χ^2/NDF : 2150.2/19

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889 ± 2.264 χ^2/NDF : 138.4/15

Left Out: 13.657 ± 5.352 χ^2/NDF : 9.3/1

Right Out: 10.544 ± 2.197 χ^2/NDF : 180.0/18

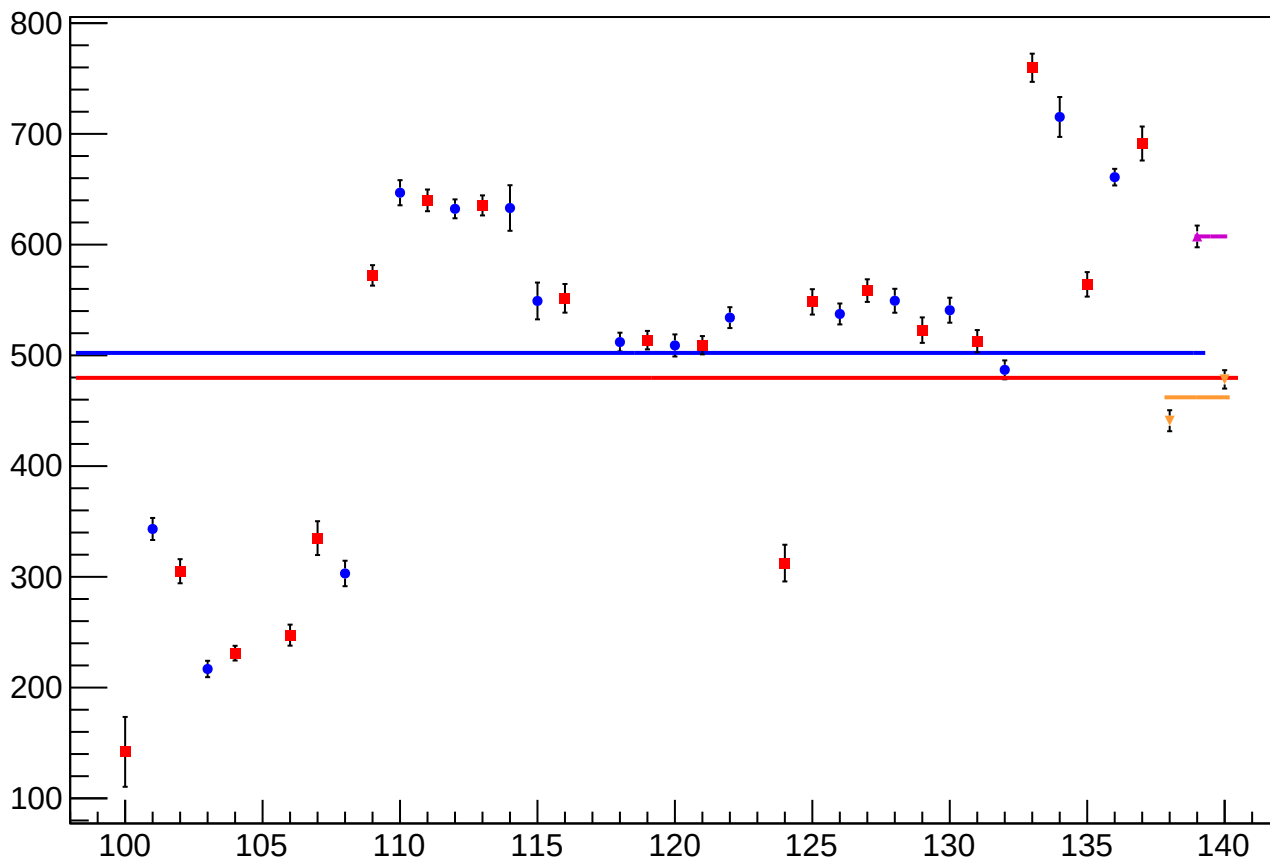
Left In: 60.668 ± 16.917 χ^2/NDF : 0.0/0

+ sign 7.917 ± 2.085 χ^2/NDF : 149.1/17

All: 9.570 ± 1.506 χ^2/NDF : 339.1/37

- sign 11.375 ± 2.179 χ^2/NDF : 188.7/19

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF : 3135.2/15

Left Out: 462.111+/-6.250 χ^2/NDF : 8.8/1

Right Out: 479.679+/-2.399 χ^2/NDF : 4138.5/18

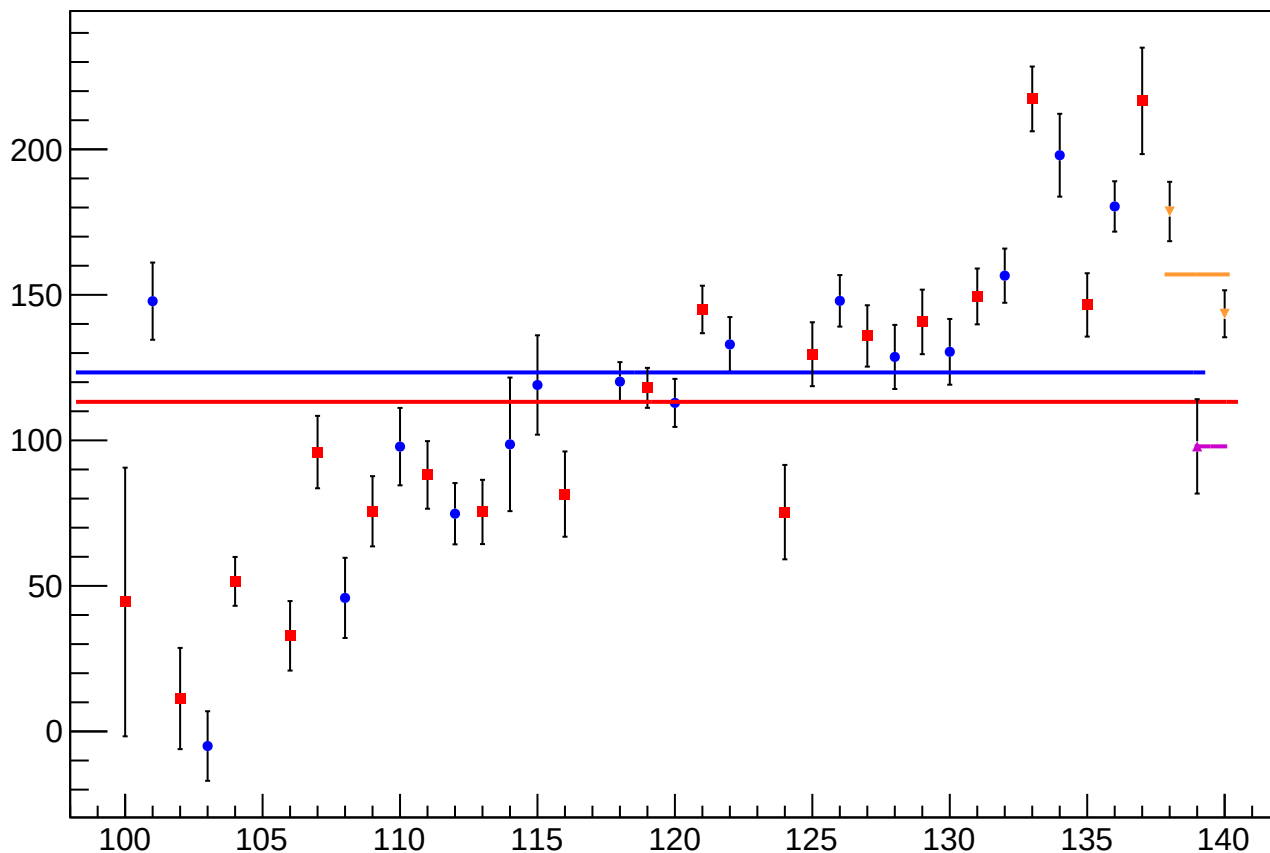
Left In: 607.401+/-9.806 χ^2/NDF : 0.0/0

+ sign 496.709+/-2.315 χ^2/NDF : 3179.5/17

All: 491.833+/-1.643 χ^2/NDF : 7487.0/37

- sign 486.894+/-2.331 χ^2/NDF : 4298.6/19

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344 $\pm$ 2.627 χ^2 /NDF: 271.4/15

Left Out: 157.018 $\pm$ 6.330 χ^2 /NDF: 7.3/1

Right Out: 113.235 $\pm$ 2.545 χ^2 /NDF: 345.8/18

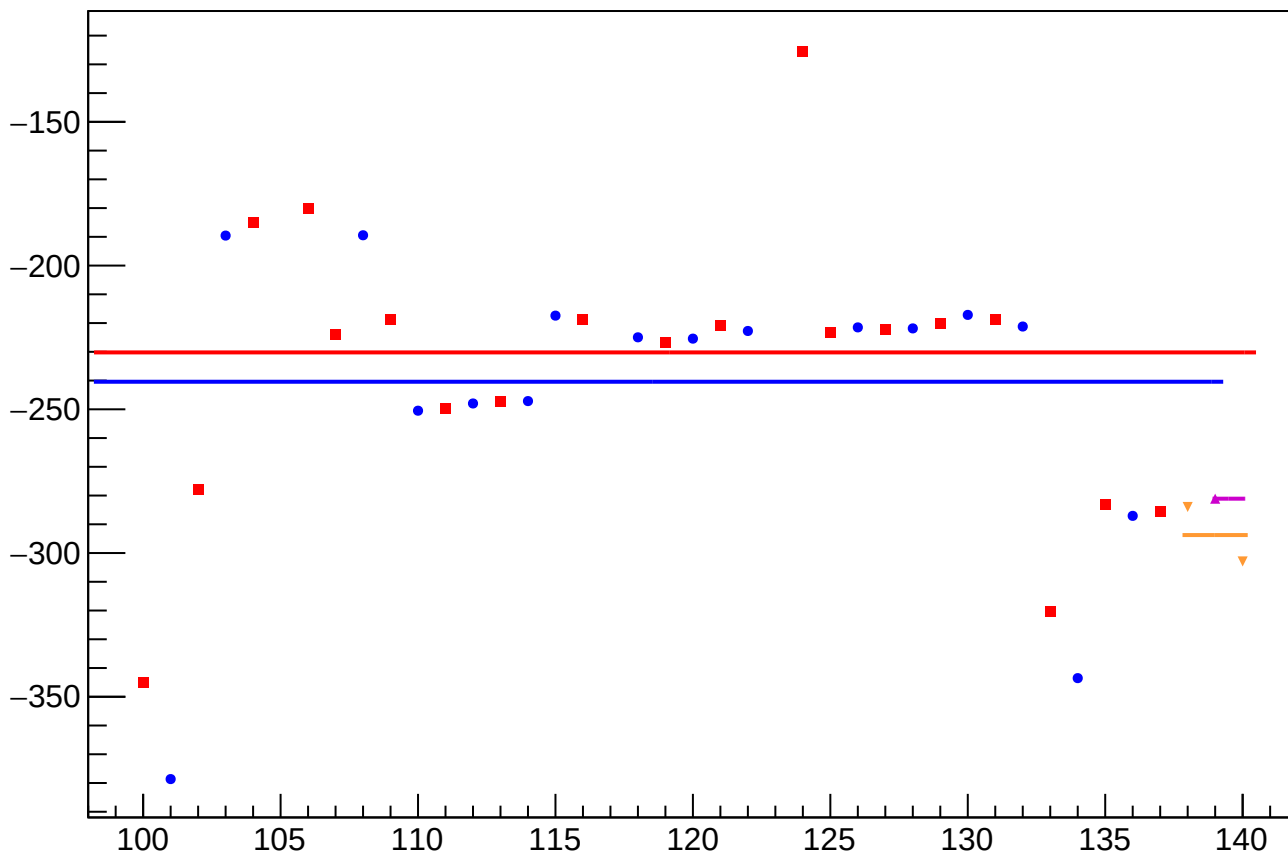
Left In: 97.939 $\pm$ 16.219 χ^2 /NDF: 0.0/0

+ sign 128.292 $\pm$ 2.426 χ^2 /NDF: 302.8/17

All: 120.853 $\pm$ 1.746 χ^2 /NDF: 668.9/37

- sign 112.867 $\pm$ 2.514 χ^2 /NDF: 346.6/19

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411 ± 0.151 χ^2/NDF : 134152.1/15

Left Out: -293.744 ± 0.266 χ^2/NDF : 1264.6/1

Right Out: -230.207 ± 0.146 χ^2/NDF : 83431.4/18

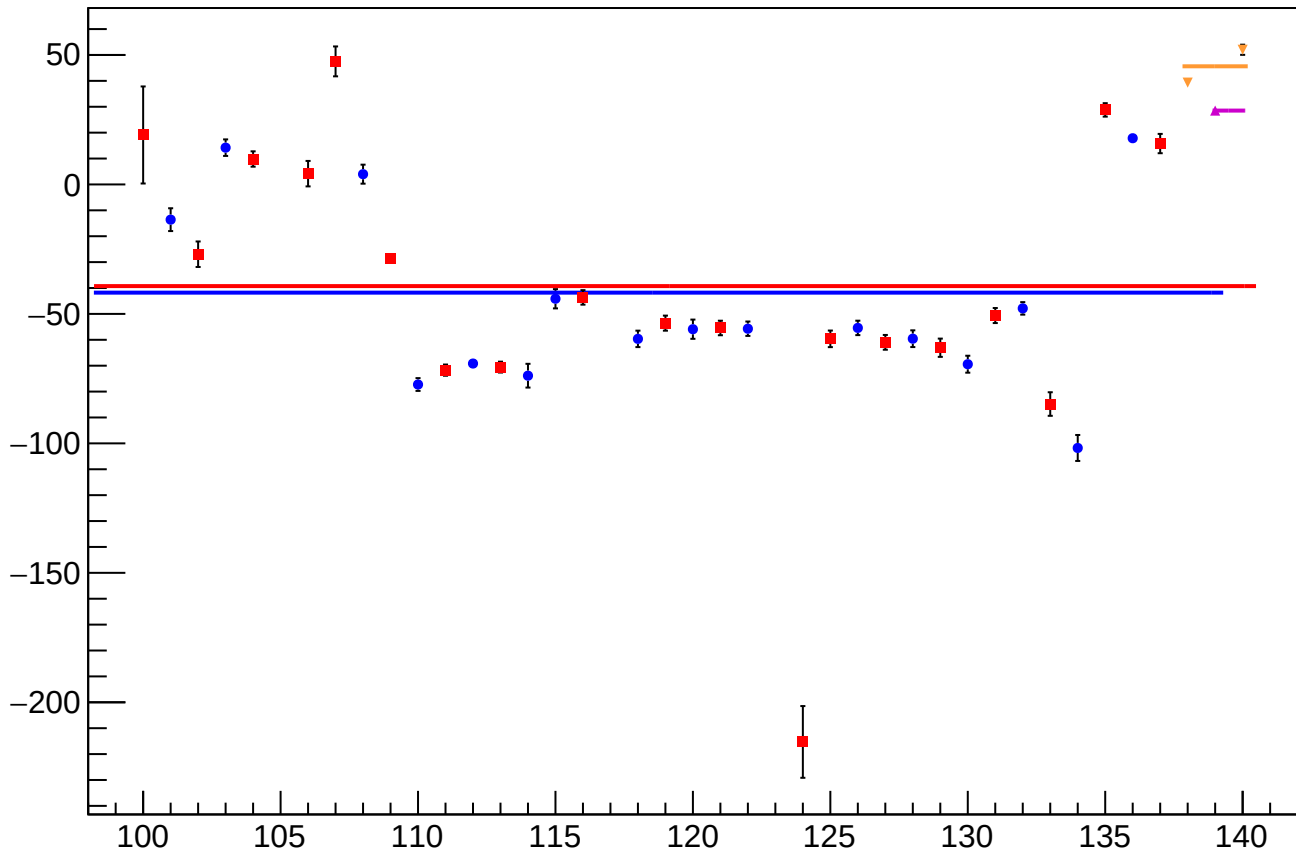
Left In: -281.092 ± 0.350 χ^2/NDF : 0.0/0

+ sign -253.341 ± 0.131 χ^2/NDF : 165815.6/17

All: -245.810 ± 0.094 χ^2/NDF : 274080.2/37

- sign -237.810 ± 0.135 χ^2/NDF : 101457.8/19

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788 ± 0.723 χ^2/NDF : 2405.5/15

Left Out: 45.623 ± 1.384 χ^2/NDF : 21.0/1

Right Out: -39.263 ± 0.680 χ^2/NDF : 2478.3/18

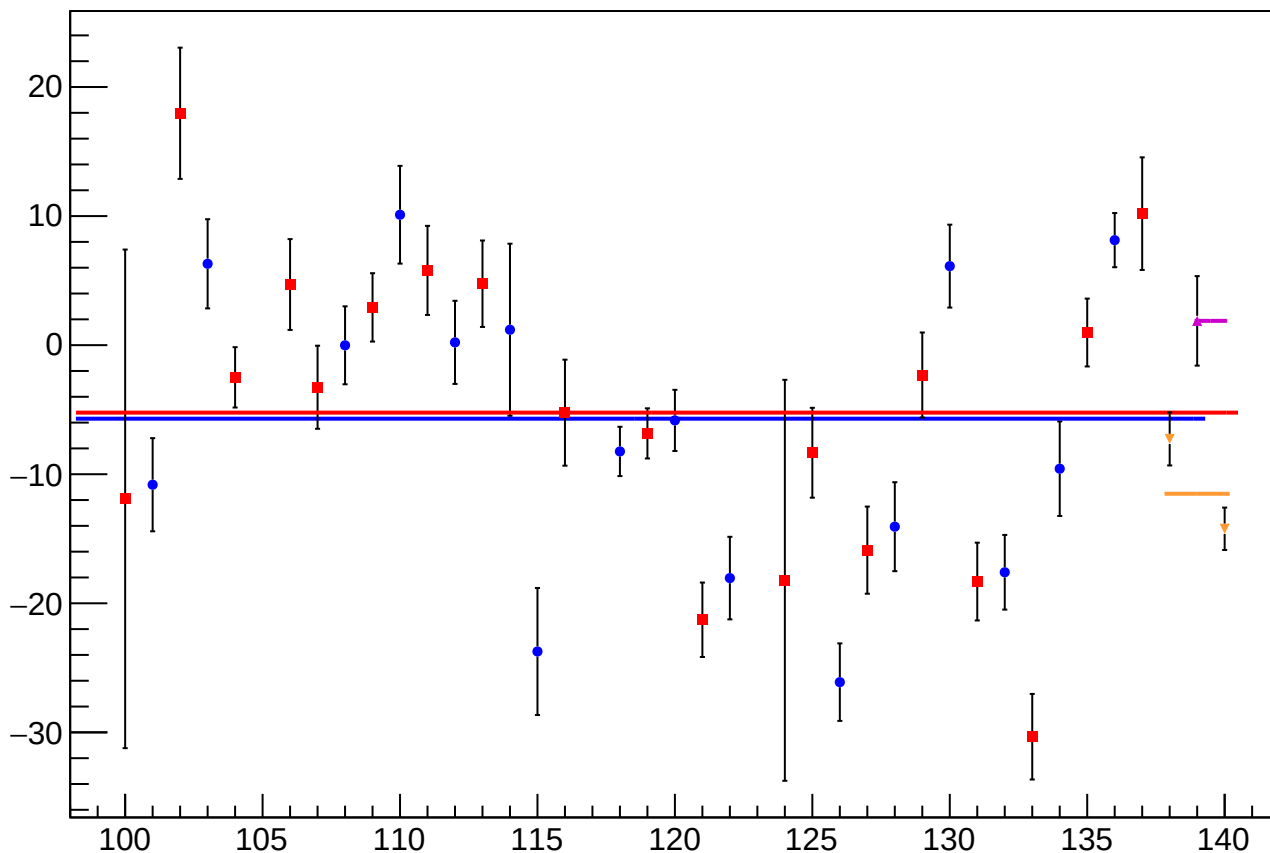
Left In: 28.521 ± 1.925 χ^2/NDF : 0.0/0

+ sign -23.037 ± 0.641 χ^2/NDF : 5560.9/17

All: -27.394 ± 0.453 χ^2/NDF : 9233.9/37

- sign -31.751 ± 0.641 χ^2/NDF : 3580.5/19

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697 ± 0.753 χ^2/NDF : 196.7/15

Left Out: -11.513 ± 1.282 χ^2/NDF : 7.0/1

Right Out: -5.227 ± 0.740 χ^2/NDF : 197.3/18

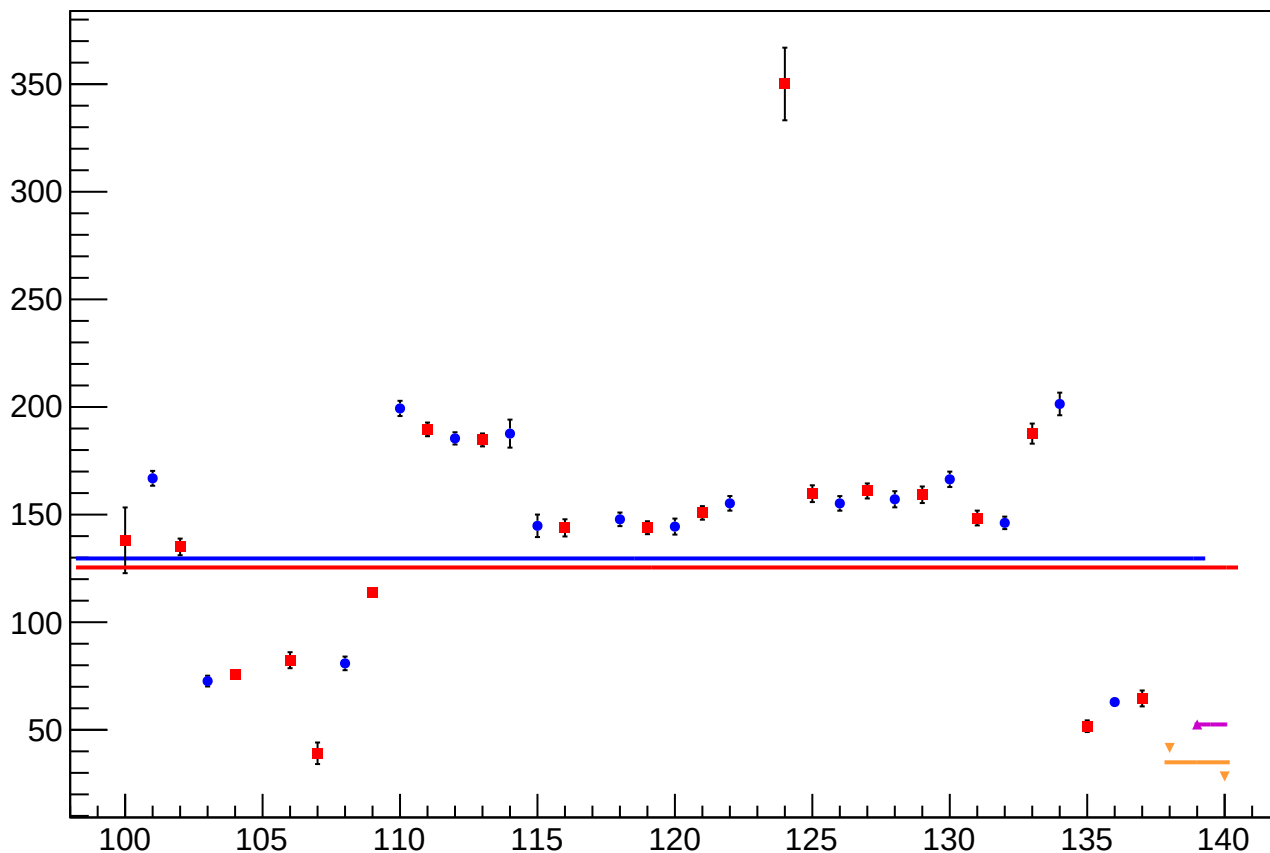
Left In: 1.881 ± 3.468 χ^2/NDF : 0.0/0

+ sign -7.188 ± 0.649 χ^2/NDF : 219.0/17

All: -6.175 ± 0.483 χ^2/NDF : 425.8/37

- sign -4.918 ± 0.724 χ^2/NDF : 201.4/19

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621 $\pm$ 0.801 χ^2 /NDF: 3624.4/15

Left Out: 34.909 $\pm$ 1.434 χ^2 /NDF:21.4/1

Right Out: 125.435 $\pm$ 0.790 χ^2 /NDF: 3503.2/18

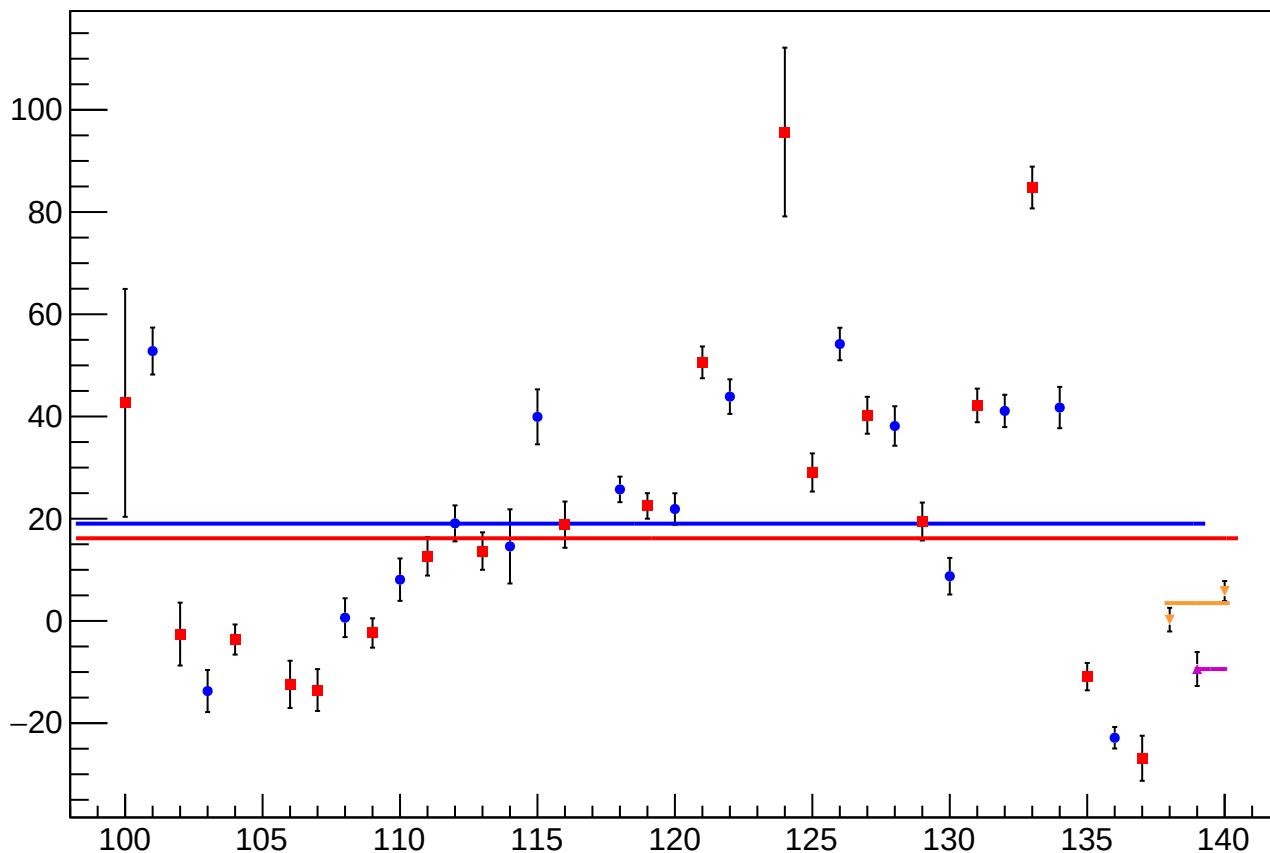
Left In: 52.492 $\pm$ 2.007 χ^2 /NDF:0.0/0

+ sign 107.112 $\pm$ 0.699 χ^2 /NDF: 6971.7/17

All: 111.168 $\pm$ 0.507 χ^2 /NDF: 11689.7/37

- sign 115.652 $\pm$ 0.735 χ^2 /NDF: 4647.1/19

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035 ± 0.860 χ^2/NDF : 858.1/15

Left Out: 3.492 ± 1.497 χ^2/NDF : 3.4/1

Right Out: 16.173 ± 0.846 χ^2/NDF : 941.3/18

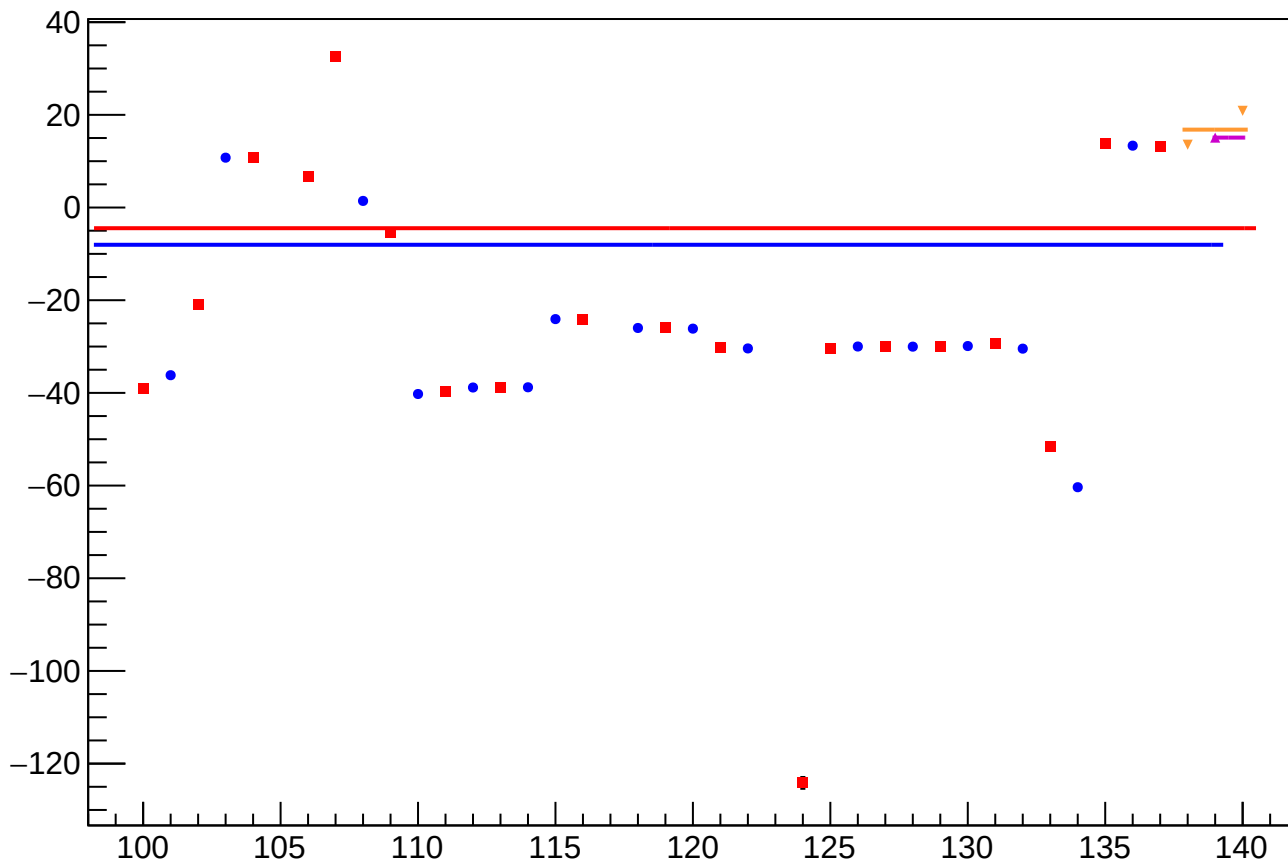
Left In: -9.411 ± 3.325 χ^2/NDF : 0.0/0

+ sign 15.179 ± 0.746 χ^2/NDF : 942.5/17

All: 14.925 ± 0.552 χ^2/NDF : 1939.6/37

- sign 14.618 ± 0.820 χ^2/NDF : 996.8/19

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038 ± 0.046 χ^2/NDF : 267883.6/15

Left Out: 16.810 ± 0.060 χ^2/NDF : 3709.1/1

Right Out: -4.461 ± 0.047 χ^2/NDF : 228422.2/18

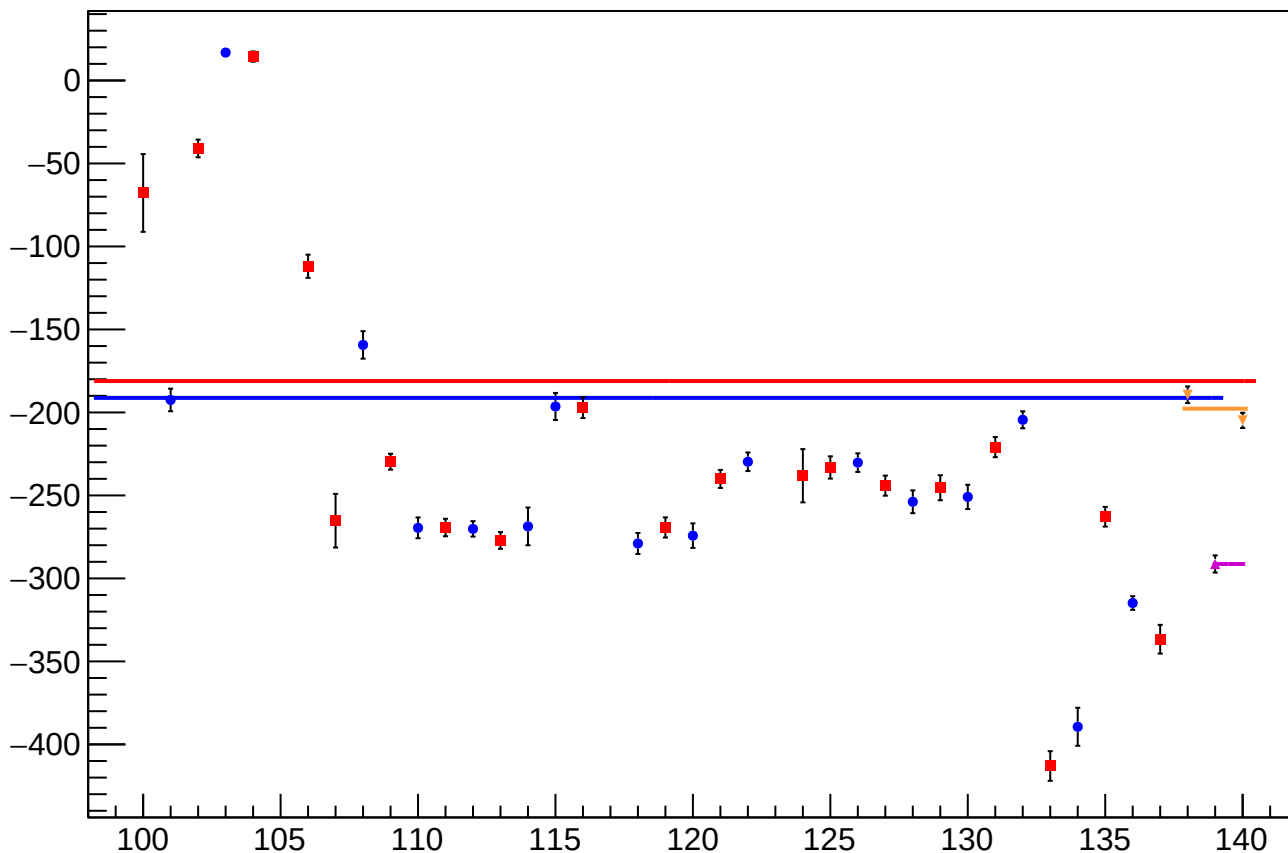
Left In: 15.089 ± 0.072 χ^2/NDF : 0.0/0

+ sign 1.179 ± 0.036 χ^2/NDF : 380644.6/17

All: 1.281 ± 0.027 χ^2/NDF : 661391.3/37

- sign 1.399 ± 0.039 χ^2/NDF : 280729.8/19

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225 ± 1.419 χ^2/NDF : 7224.7/15

Left Out: -197.743 ± 3.378 χ^2/NDF : 5.2/1

Right Out: -181.080 ± 1.383 χ^2/NDF : 7374.0/18

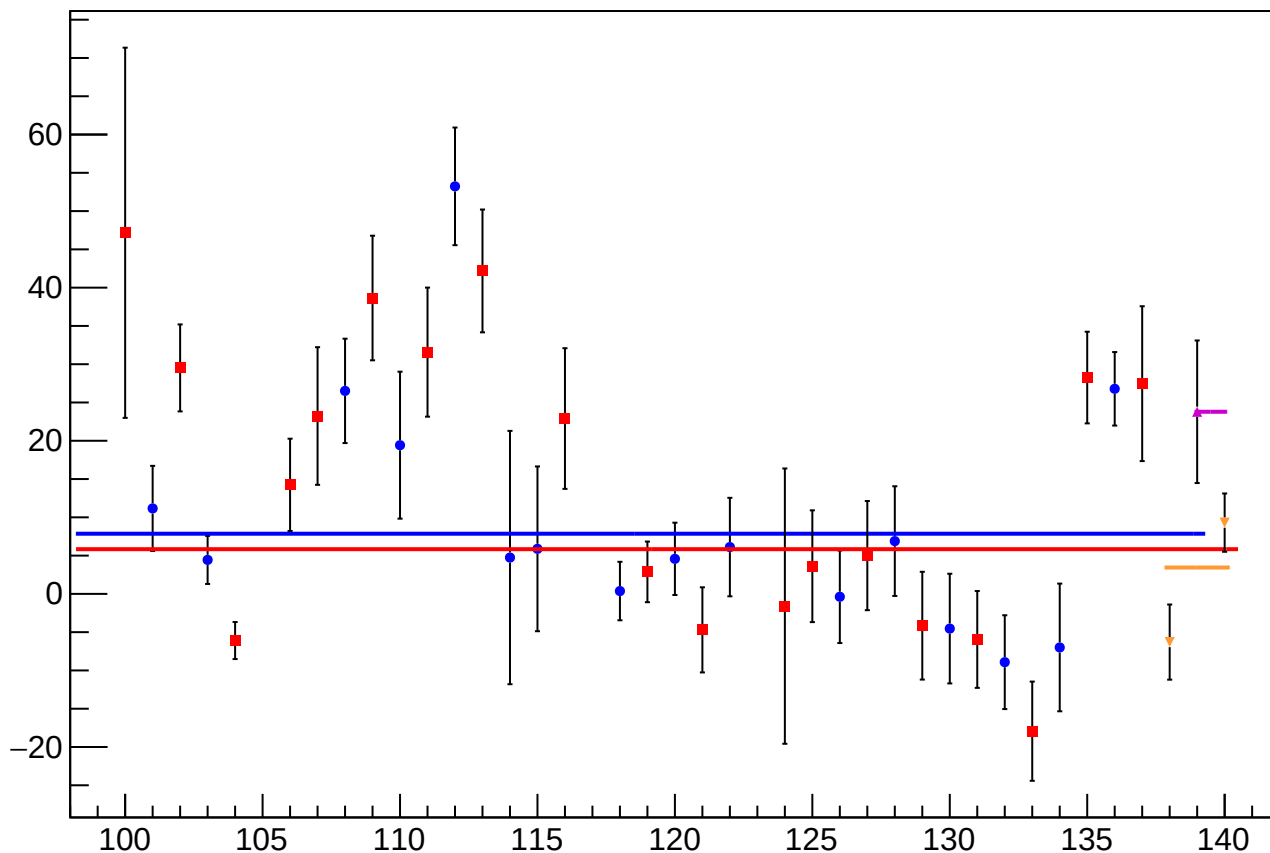
Left In: -291.300 ± 5.179 χ^2/NDF : 0.0/0

+ sign -192.202 ± 1.308 χ^2/NDF : 7233.0/17

All: -190.347 ± 0.935 χ^2/NDF : 15033.9/37

- sign -188.412 ± 1.336 χ^2/NDF : 7796.8/19

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859 ± 1.438 $\chi^2/\text{NDF}: 80.9/15$

Left Out: 3.445 ± 3.008 $\chi^2/\text{NDF}: 6.3/1$

Right Out: 5.839 ± 1.355 $\chi^2/\text{NDF}: 141.9/18$

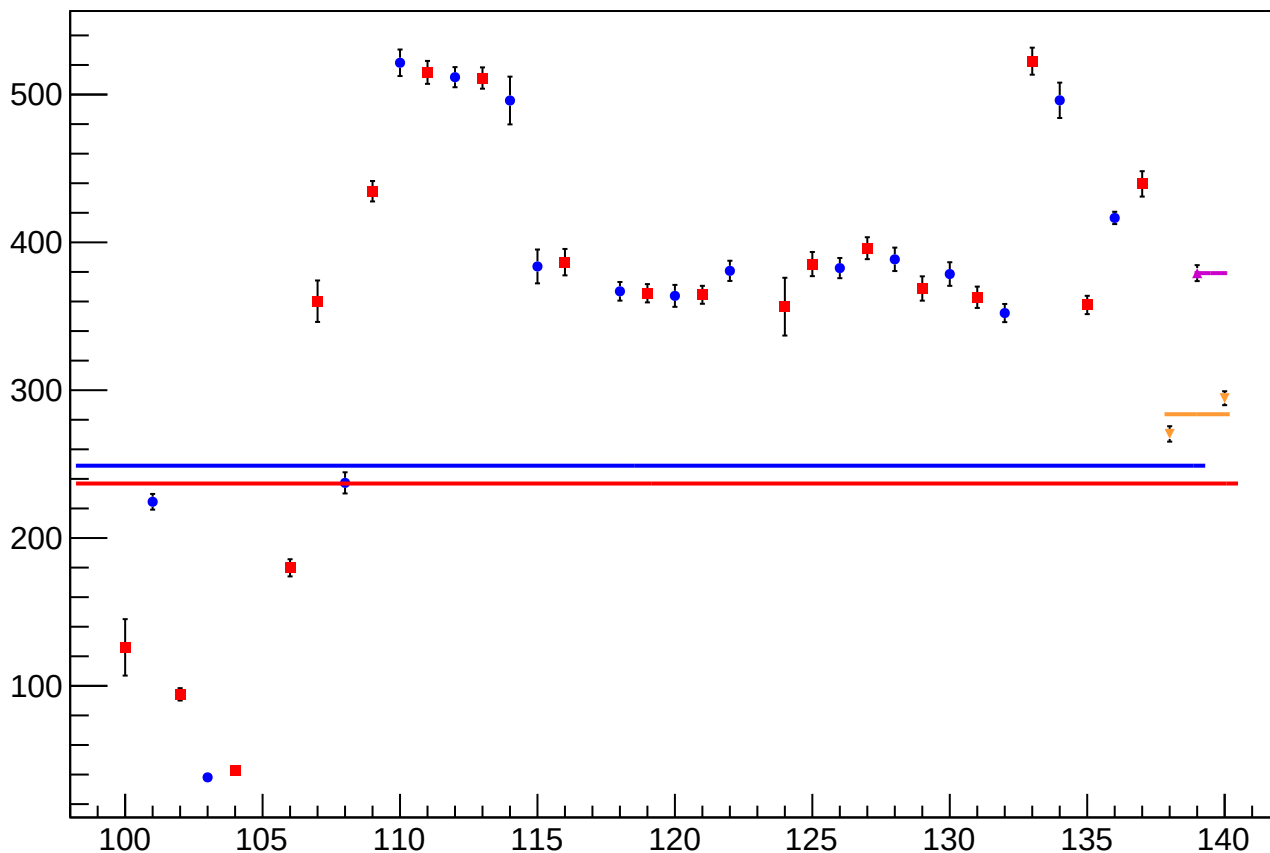
Left In: 23.789 ± 9.312 $\chi^2/\text{NDF}: 0.0/0$

+ sign 7.038 ± 1.297 $\chi^2/\text{NDF}: 89.0/17$

All: 6.638 ± 0.933 $\chi^2/\text{NDF}: 234.7/37$

- sign 6.211 ± 1.341 $\chi^2/\text{NDF}: 145.5/19$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932 +/- 1.422 χ^2/NDF : 15302.2/15

Left Out: 283.729 +/- 3.496 χ^2/NDF : 11.8/1

Right Out: 236.871 +/- 1.407 χ^2/NDF : 15657.3/18

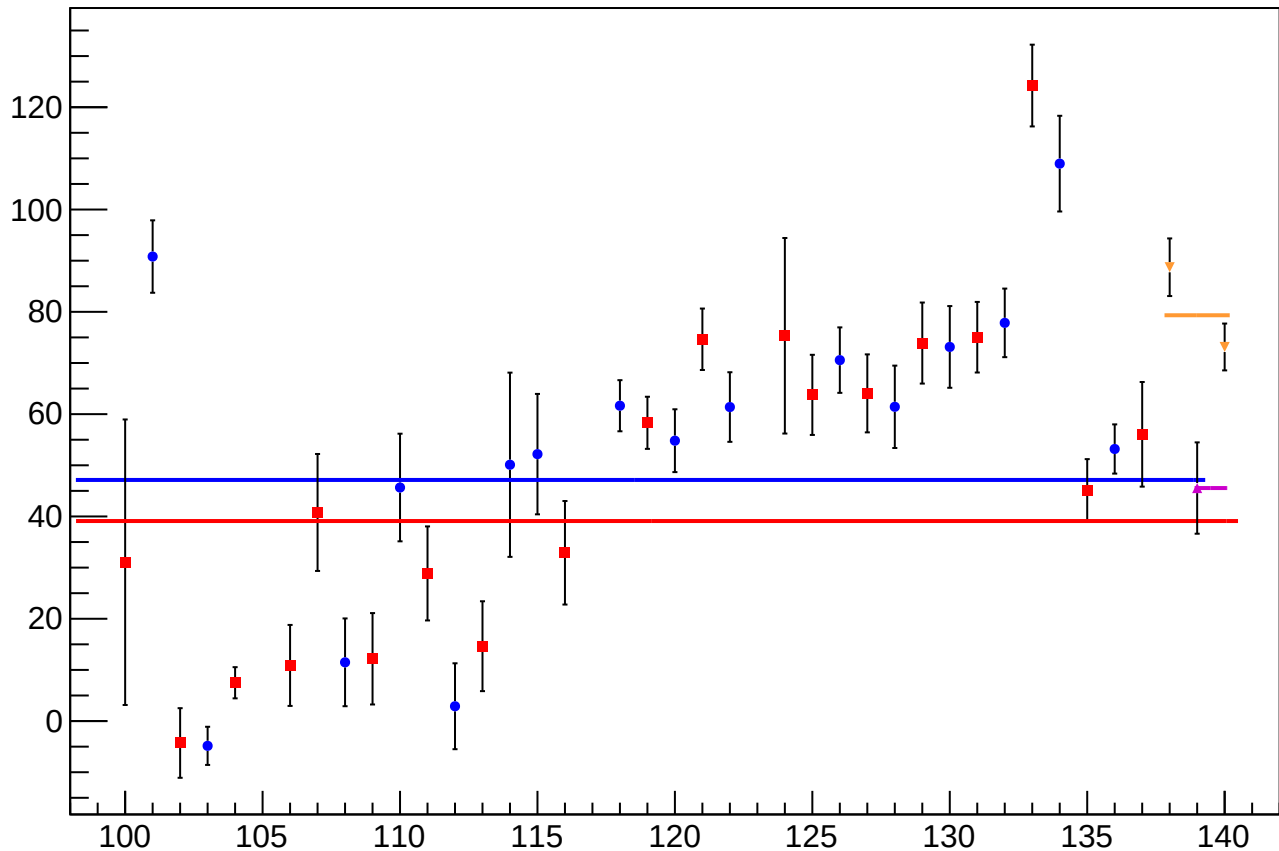
Left In: 379.193 +/- 5.400 χ^2/NDF : 0.0/0

+ sign 253.870 +/- 1.317 χ^2/NDF : 15399.0/17

All: 250.025 +/- 0.947 χ^2/NDF : 31724.6/37

- sign 245.917 +/- 1.361 χ^2/NDF : 16307.9/19

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137 $\pm$ 1.668 χ^2 /NDF: 385.3/15

Left Out: 79.332 $\pm$ 3.553 χ^2 /NDF: 4.6/1

Right Out: 39.105 $\pm$ 1.596 χ^2 /NDF: 416.5/18

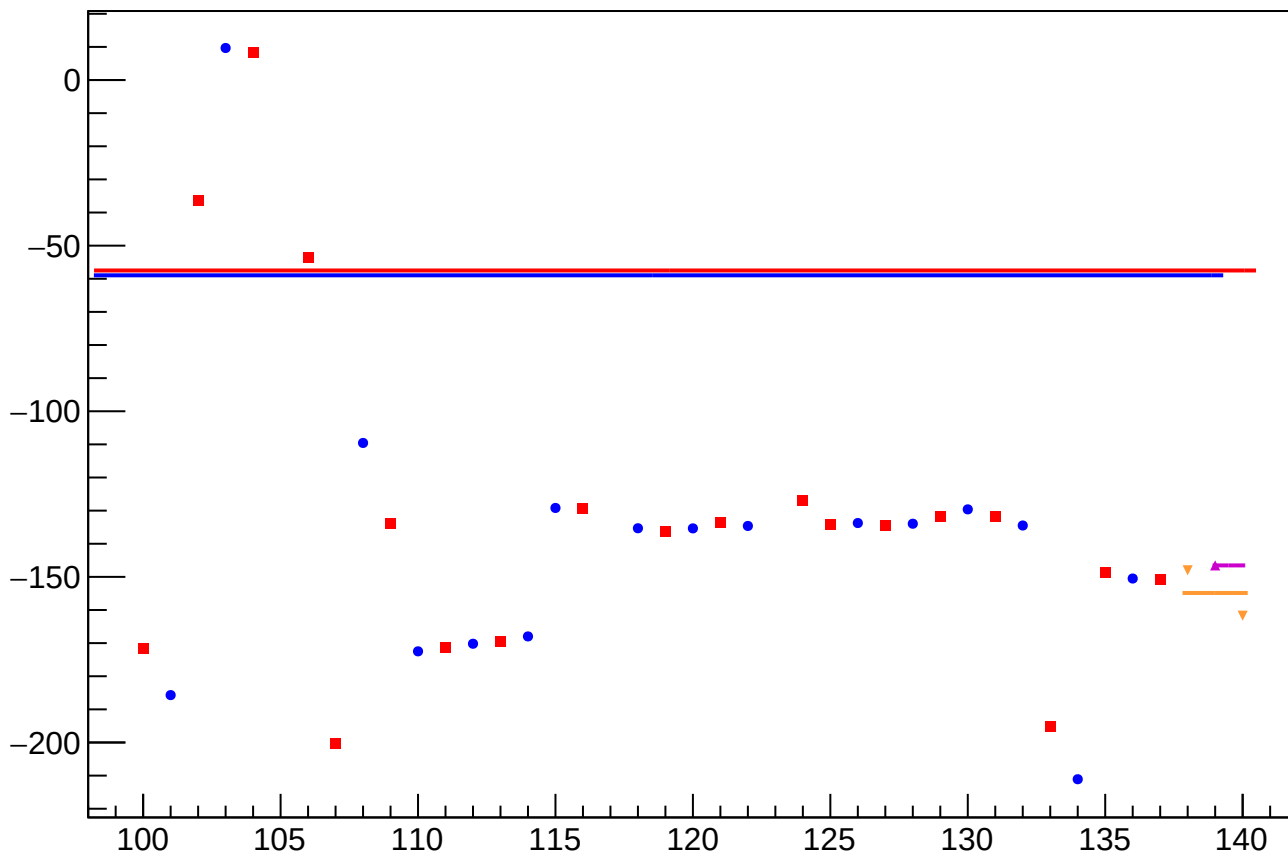
Left In: 45.553 $\pm$ 8.928 χ^2 /NDF: 0.0/0

+ sign 52.950 $\pm$ 1.510 χ^2 /NDF: 457.2/17

All: 46.399 $\pm$ 1.089 χ^2 /NDF: 913.4/37

- sign 39.305 $\pm$ 1.571 χ^2 /NDF: 417.0/19

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956 ± 0.073 $\chi^2/\text{NDF}: 1227079.0/15$

Left Out: -154.858 ± 0.149 $\chi^2/\text{NDF}: 2131.7/1$

Right Out: -57.497 ± 0.074 $\chi^2/\text{NDF}: 871305.9/18$

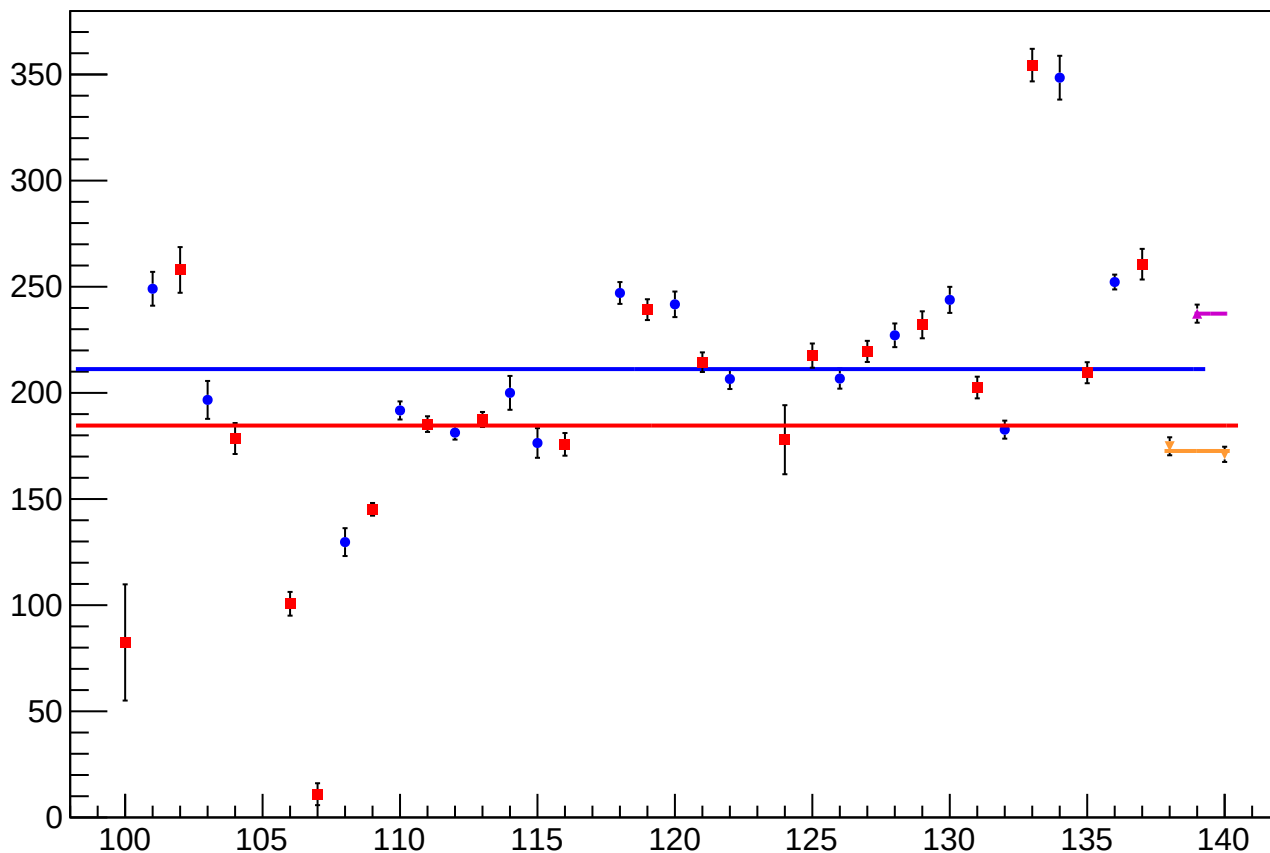
Left In: -146.539 ± 0.192 $\chi^2/\text{NDF}: 0.0/0$

+ sign -77.455 ± 0.065 $\chi^2/\text{NDF}: 1565733.0/17$

All: -73.502 ± 0.047 $\chi^2/\text{NDF}: 2631288.2/37$

- sign -69.043 ± 0.069 $\chi^2/\text{NDF}: 1057741.8/19$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210 $\pm$ 1.296 χ^2/NDF : 783.0/15

Left Out: 172.635 $\pm$ 2.738 χ^2/NDF : 0.5/1

Right Out: 184.614 $\pm$ 1.194 χ^2/NDF : 2540.4/18

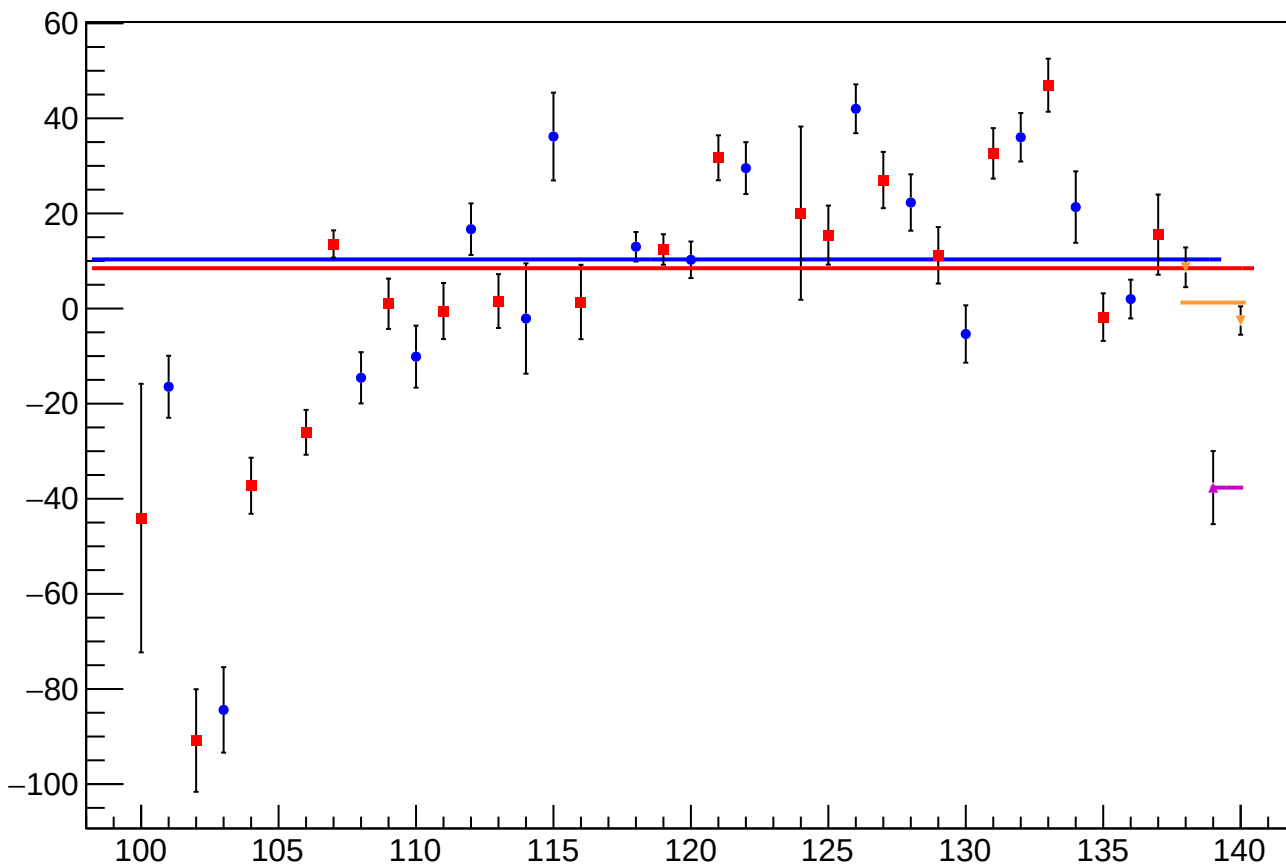
Left In: 237.330 $\pm$ 4.258 χ^2/NDF : 0.0/0

+ sign 204.153 $\pm$ 1.171 χ^2/NDF : 945.6/17

All: 196.157 $\pm$ 0.820 χ^2/NDF : 3719.5/37

- sign 188.455 $\pm$ 1.150 χ^2/NDF : 2682.4/19

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329 ± 1.333 χ^2/NDF : 263.3/15

Left Out: 1.257 ± 2.427 χ^2/NDF : 4.8/1

Right Out: 8.480 ± 1.225 χ^2/NDF : 322.3/18

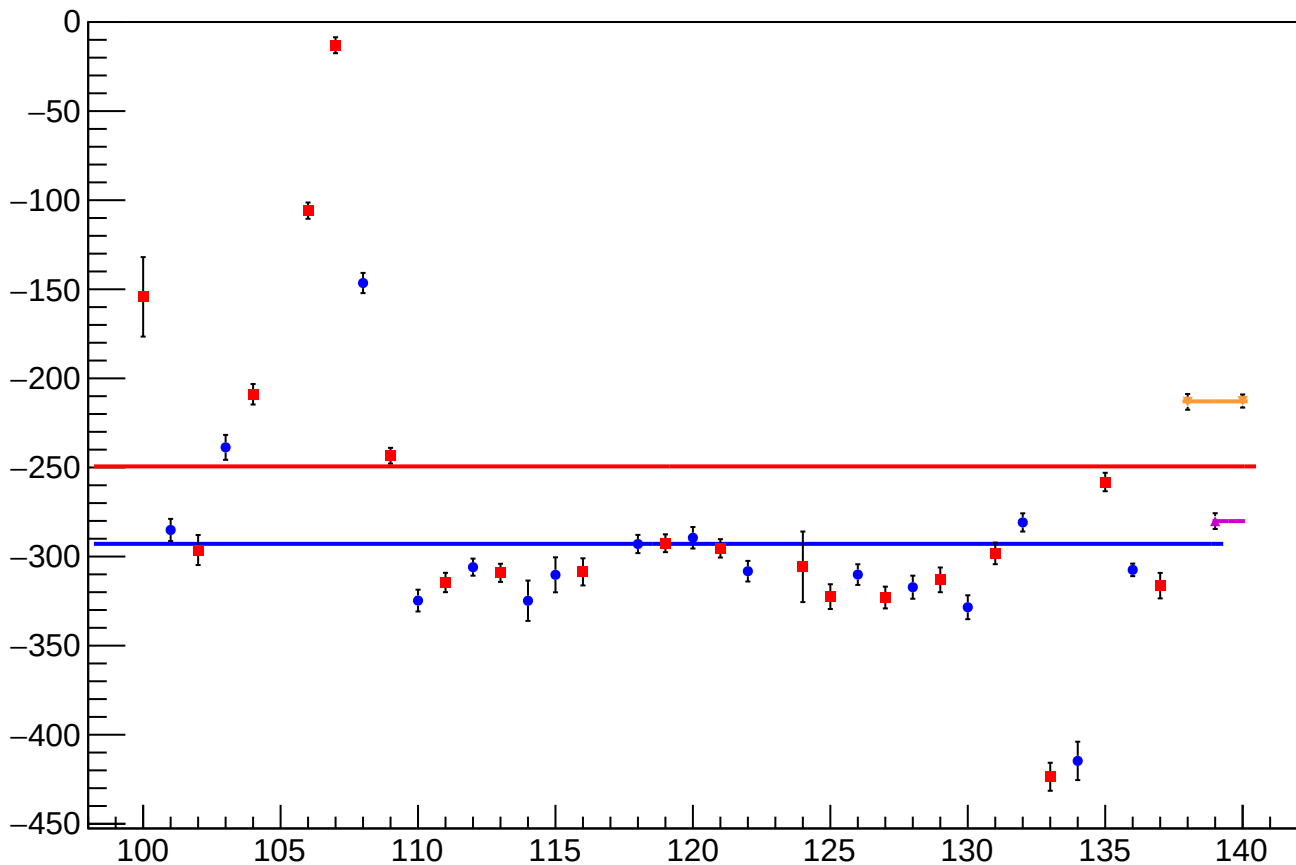
Left In: -37.656 ± 7.687 χ^2/NDF : 0.0/0

+ sign 8.227 ± 1.168 χ^2/NDF : 278.8/17

All: 7.798 ± 0.840 χ^2/NDF : 636.5/37

- sign 7.338 ± 1.209 χ^2/NDF : 357.5/19

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872 ± 1.467 χ^2/NDF : 983.5/15

Left Out: -212.903 ± 2.833 χ^2/NDF : 0.0/1

Right Out: -249.407 ± 1.369 χ^2/NDF : 5368.5/18

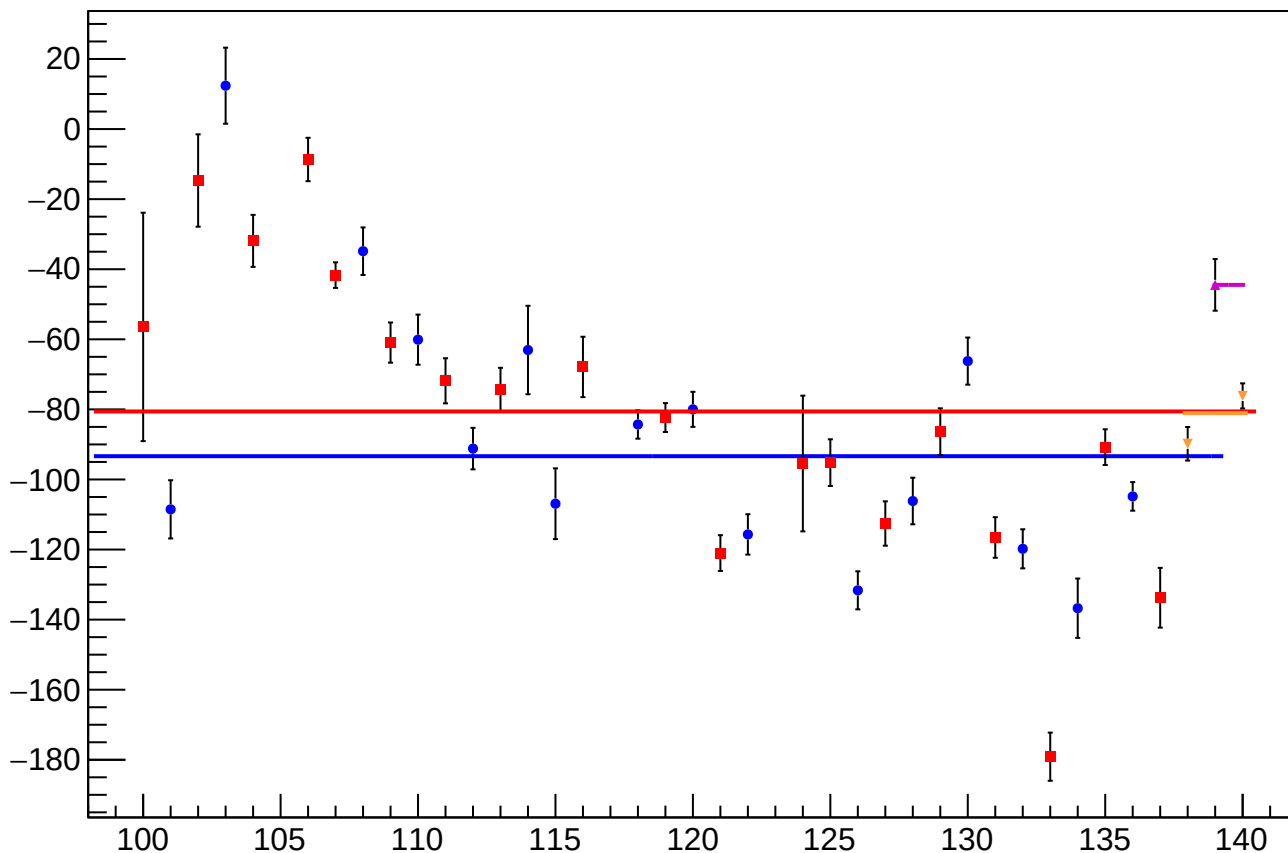
Left In: -280.105 ± 4.437 χ^2/NDF : 0.0/0

+ sign -275.950 ± 1.303 χ^2/NDF : 1611.8/17

All: -264.057 ± 0.923 χ^2/NDF : 7191.3/37

- sign -252.074 ± 1.308 χ^2/NDF : 5412.2/19

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357 ± 1.534 χ^2/NDF : 355.3/15

Left Out: -81.065 ± 2.869 χ^2/NDF : 5.2/1

Right Out: -80.592 ± 1.424 χ^2/NDF : 715.3/18

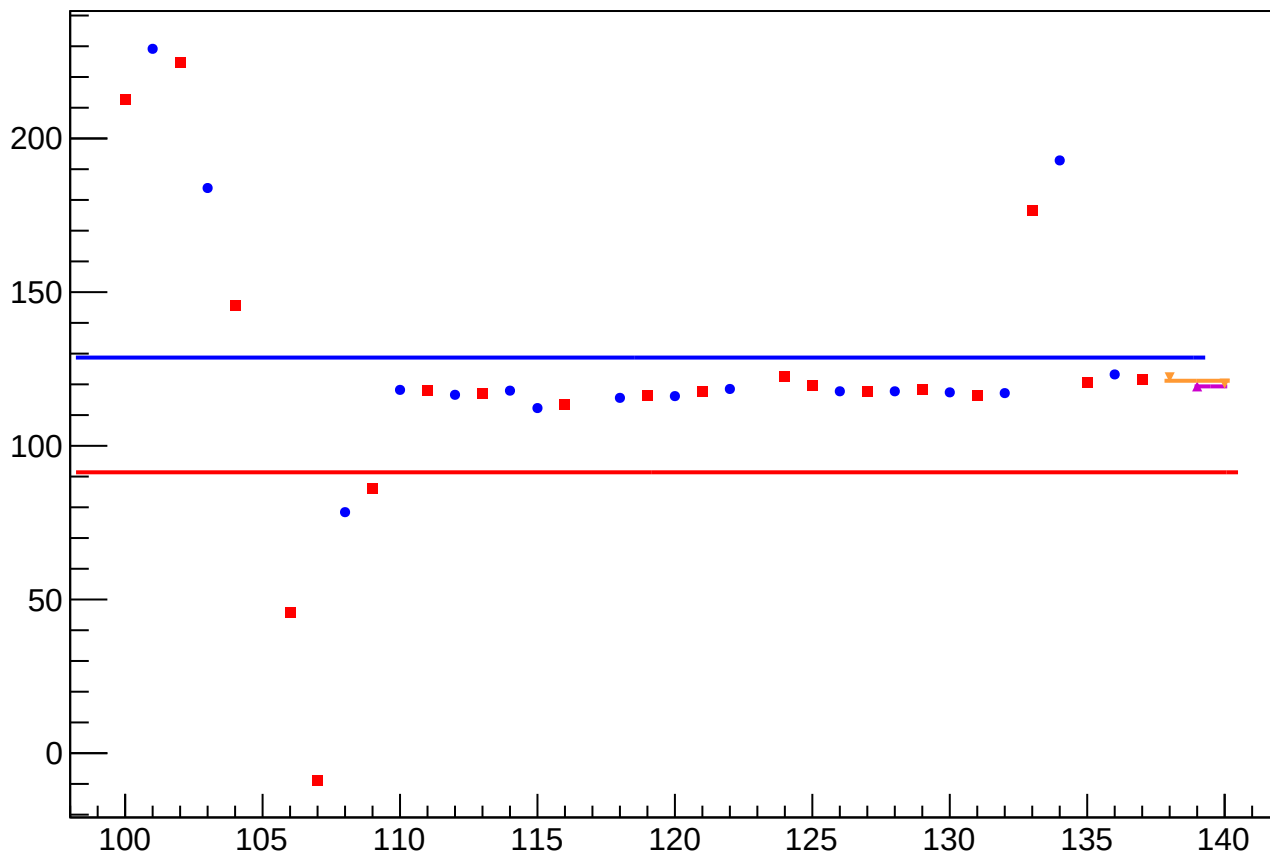
Left In: -44.468 ± 7.372 χ^2/NDF : 0.0/0

+ sign -90.623 ± 1.353 χ^2/NDF : 374.8/17

All: -85.143 ± 0.972 χ^2/NDF : 1147.2/37

- sign -79.293 ± 1.398 χ^2/NDF : 738.5/19

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715 $\pm$ 0.089 χ^2 /NDF: 183522.8/15

Left Out: 121.169 $\pm$ 0.121 χ^2 /NDF: 72.7/1

Right Out: 91.385 $\pm$ 0.079 χ^2 /NDF: 604912.4/18

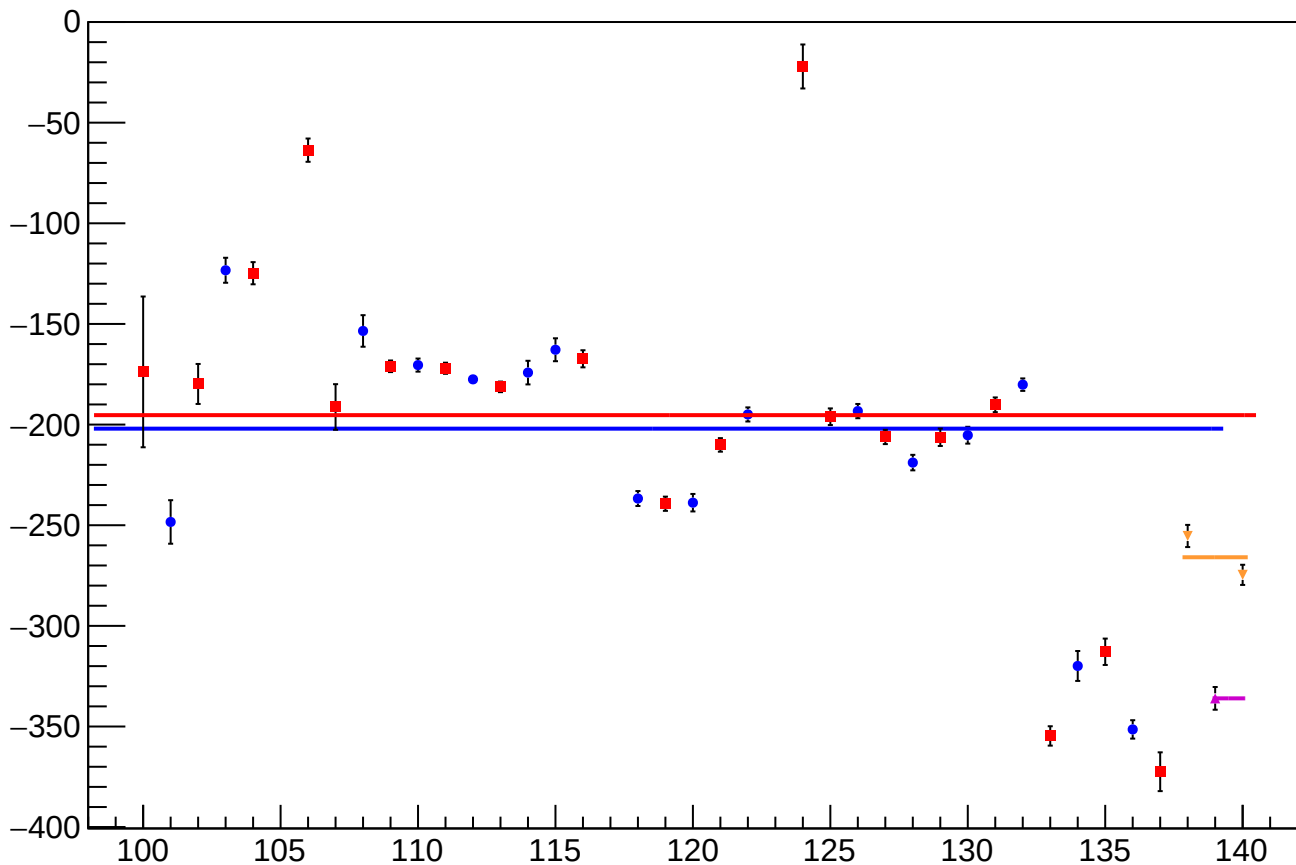
Left In: 119.337 $\pm$ 0.159 χ^2 /NDF: 0.0/0

+ sign 126.052 $\pm$ 0.072 χ^2 /NDF: 186124.8/17

All: 111.305 $\pm$ 0.050 χ^2 /NDF: 899379.6/37

- sign 96.938 $\pm$ 0.071 χ^2 /NDF: 629742.3/19

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020 ± 1.024 χ^2/NDF : 2040.4/15

Left Out: -265.915 ± 3.705 χ^2/NDF : 6.7/1

Right Out: -195.311 ± 0.974 χ^2/NDF : 3100.7/18

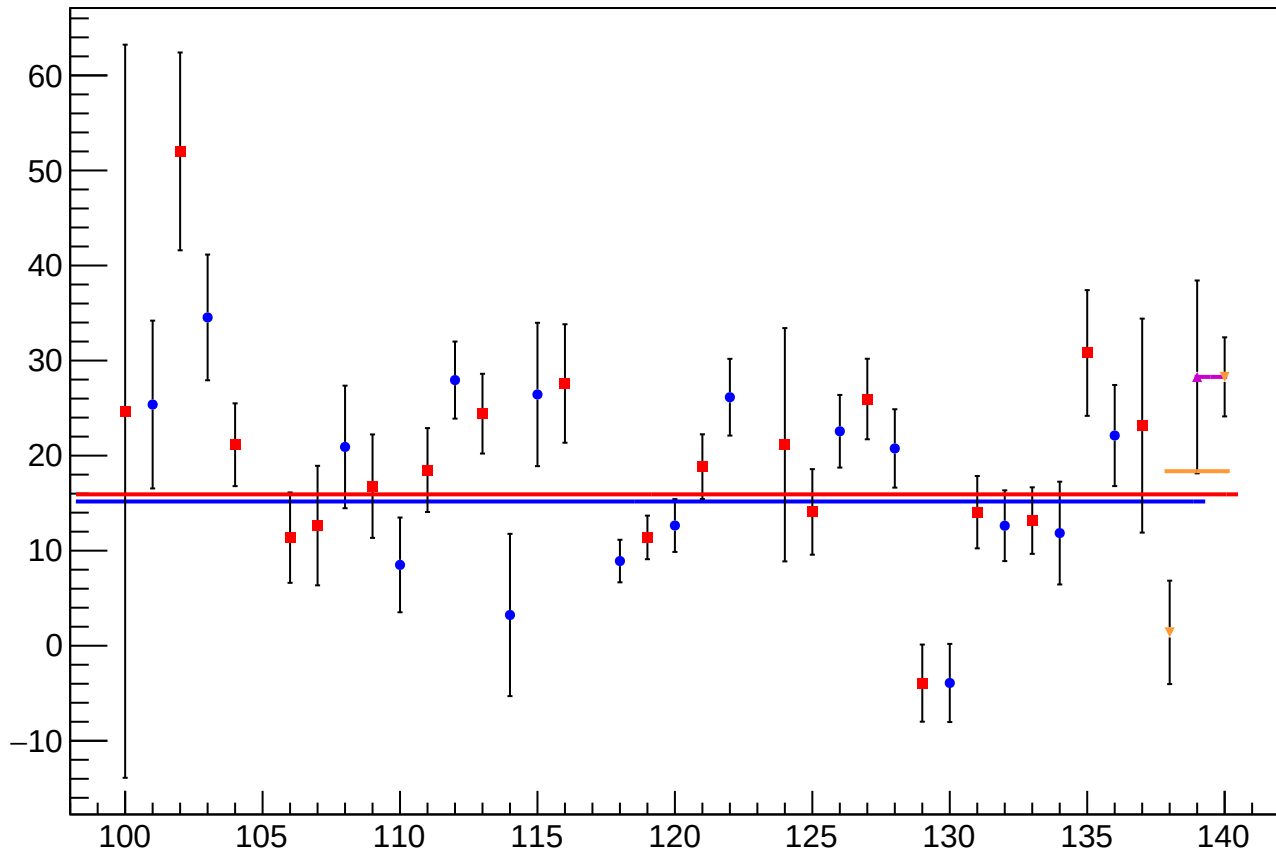
Left In: -336.015 ± 5.647 χ^2/NDF : 0.0/0

+ sign -206.555 ± 0.987 χ^2/NDF : 2323.4/17

All: -202.866 ± 0.688 χ^2/NDF : 6054.1/37

- sign -199.376 ± 0.960 χ^2/NDF : 3703.5/19

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175 $\pm$ 1.048 χ^2 /NDF: 72.3/15

Left Out: 18.361 $\pm$ 3.304 χ^2 /NDF:15.4/1

Right Out: 15.925 $\pm$ 1.037 χ^2 /NDF: 63.5/18

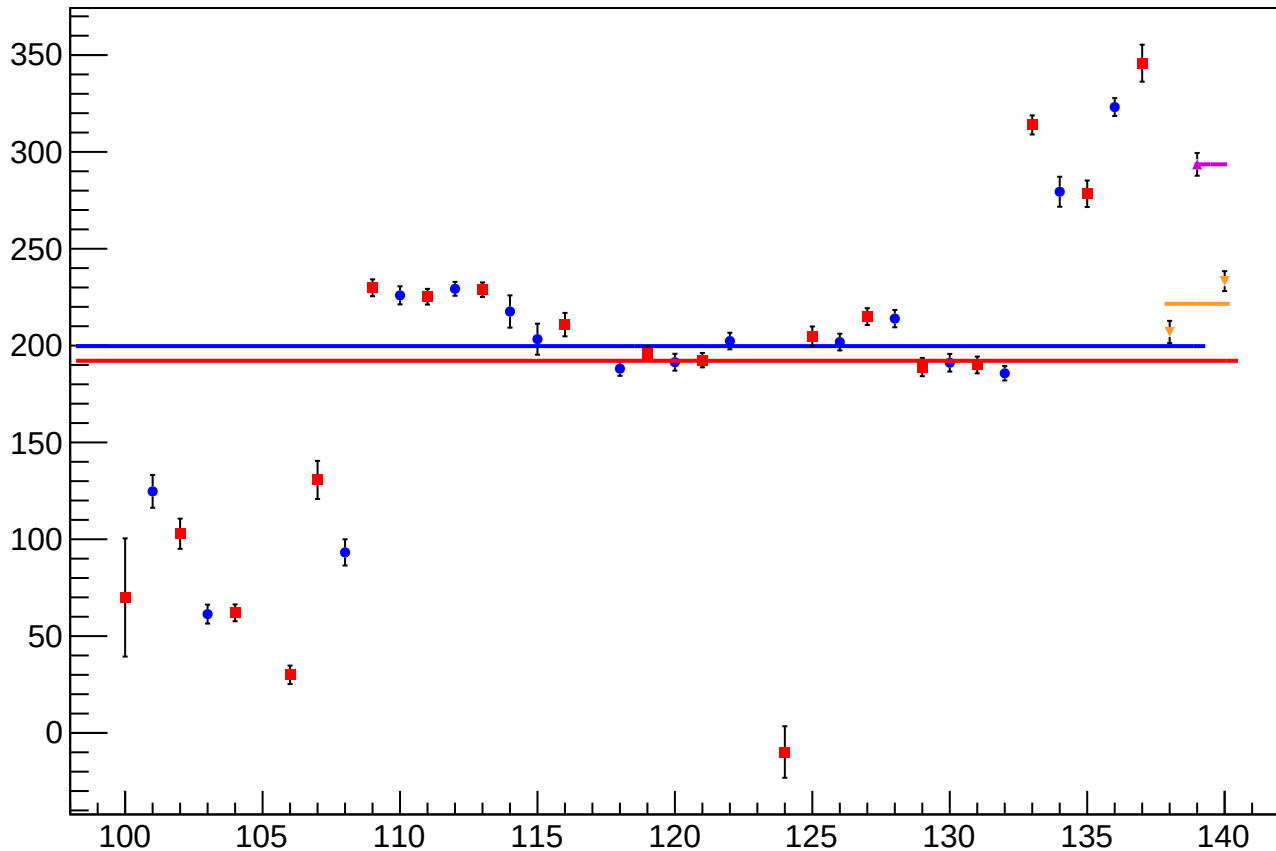
Left In: 28.280 $\pm$ 10.145 χ^2 /NDF:0.0/0

+ sign 15.466 $\pm$ 0.999 χ^2 /NDF: 88.6/17

All: 15.750 $\pm$ 0.717 χ^2 /NDF: 153.8/37

- sign 16.053 $\pm$ 1.031 χ^2 /NDF: 65.0/19

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722 $\pm$ 1.196 χ^2 /NDF: 2101.6/15

Left Out: 221.581 $\pm$ 3.834 χ^2 /NDF:11.6/1

Right Out: 192.156 $\pm$ 1.150 χ^2 /NDF: 3777.1/18

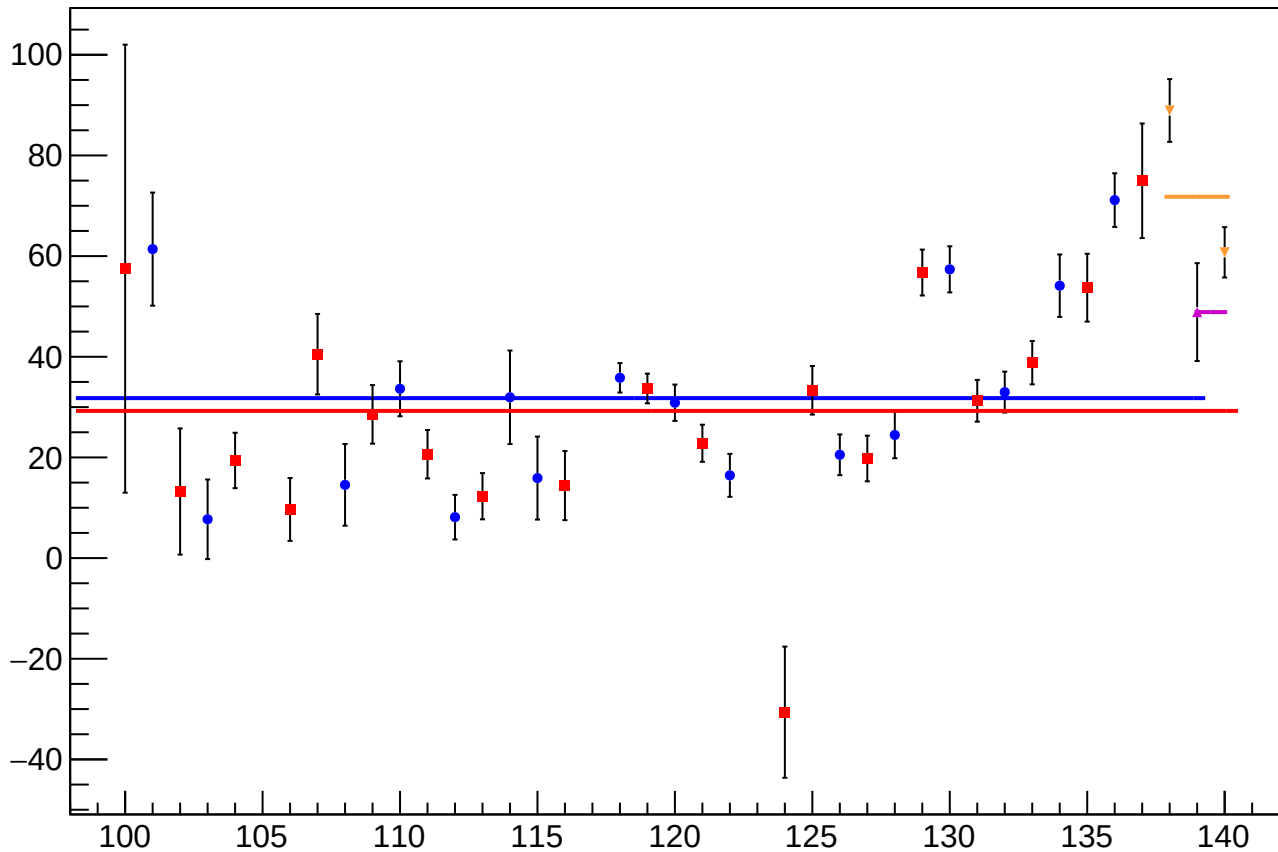
Left In: 293.579 $\pm$ 5.889 χ^2 /NDF:0.0/0

+ sign 201.659 $\pm$ 1.142 χ^2 /NDF: 2142.8/17

All: 198.740 $\pm$ 0.803 χ^2 /NDF: 6218.6/37

- sign 195.885 $\pm$ 1.129 χ^2 /NDF: 4062.8/19

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782 ± 1.217 $\chi^2/\text{NDF}: 177.0/15$

Left Out: 71.790 ± 3.901 $\chi^2/\text{NDF}: 12.4/1$

Right Out: 29.245 ± 1.197 $\chi^2/\text{NDF}: 140.9/18$

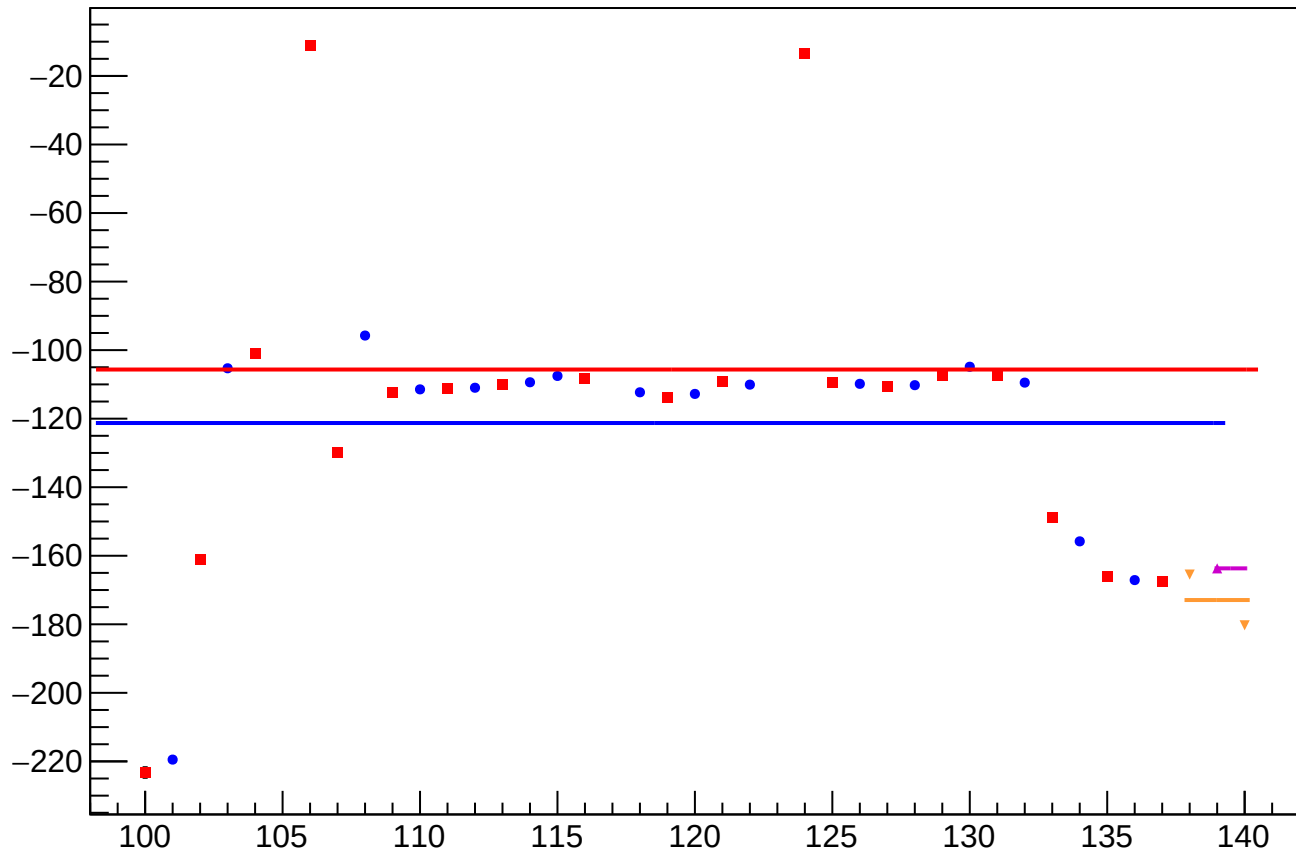
Left In: 48.877 ± 9.725 $\chi^2/\text{NDF}: 0.0/0$

+ sign 35.329 ± 1.161 $\chi^2/\text{NDF}: 285.3/17$

All: 32.498 ± 0.830 $\chi^2/\text{NDF}: 442.4/37$

- sign 29.537 ± 1.188 $\chi^2/\text{NDF}: 144.9/19$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF : 119398.5/15

Left Out: -172.920+/-0.163 χ^2/NDF : 2067.2/1

Right Out: -105.660+/-0.075 χ^2/NDF : 355093.7/18

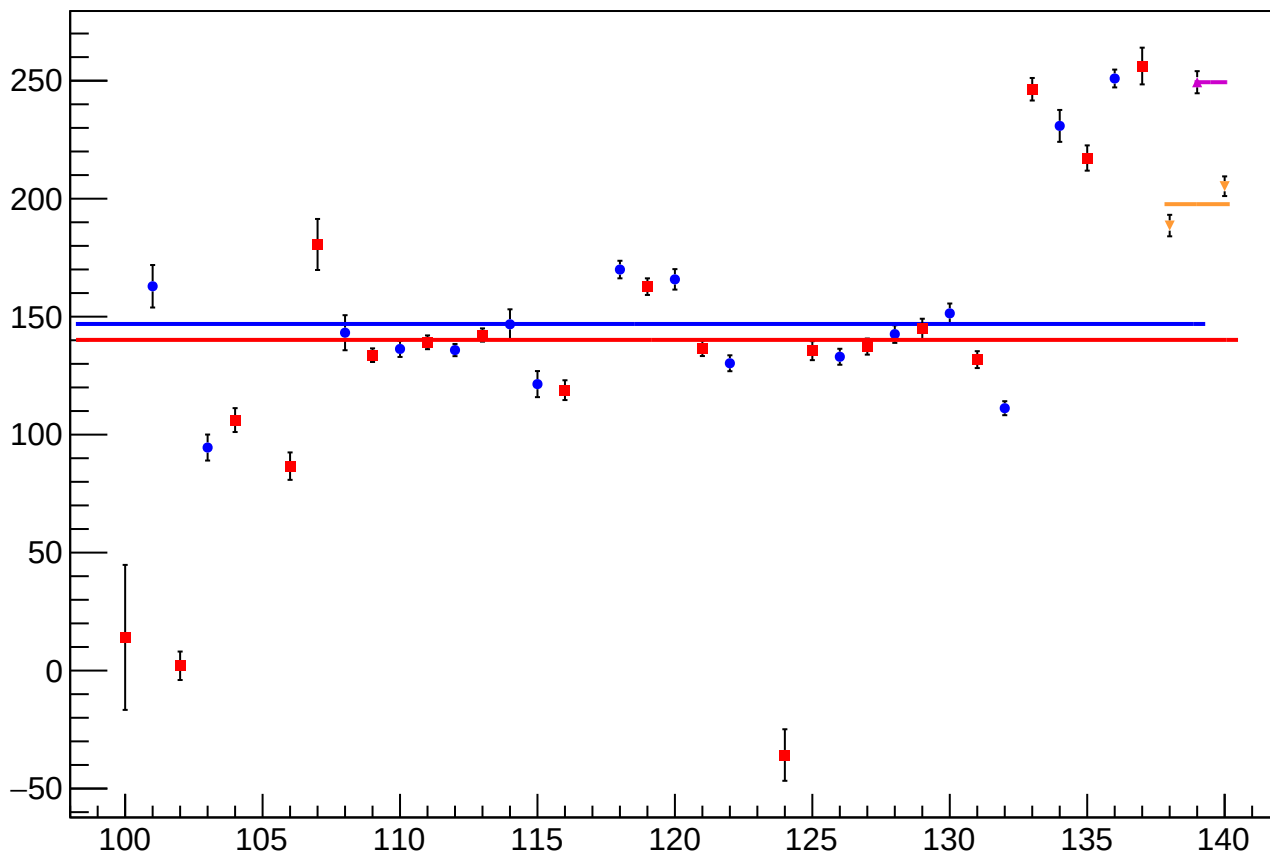
Left In: -163.681+/-0.210 χ^2/NDF : 0.0/0

+ sign -131.159+/-0.071 χ^2/NDF : 202862.5/17

All: -121.564+/-0.050 χ^2/NDF : 661808.6/37

- sign -112.202+/-0.070 χ^2/NDF : 423102.0/19

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905 $\pm$ 1.003 χ^2/NDF : 1302.0/15

Left Out: 197.678 $\pm$ 3.076 χ^2/NDF : 7.3/1

Right Out: 140.153 $\pm$ 0.960 χ^2/NDF : 1950.6/18

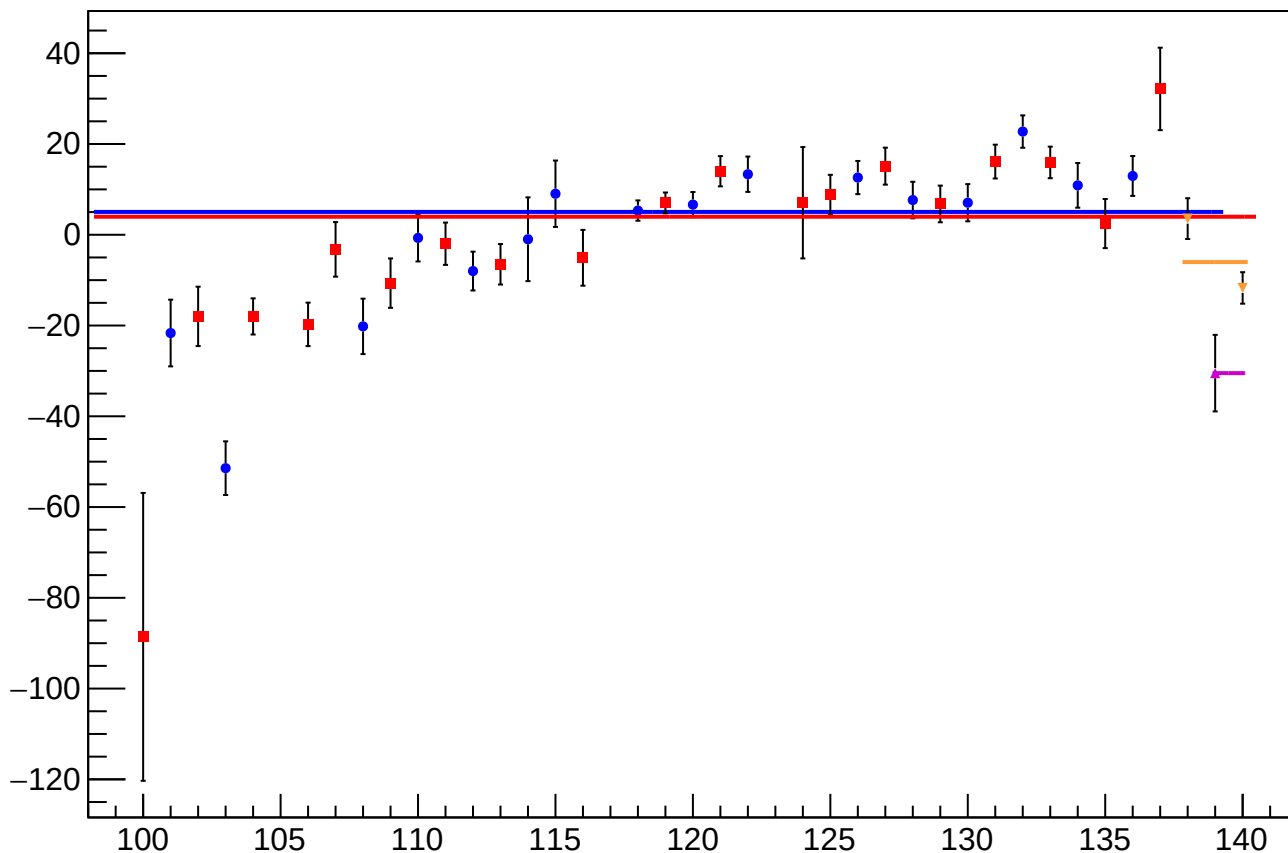
Left In: 249.363 $\pm$ 4.689 χ^2/NDF : 0.0/0

+ sign 151.788 $\pm$ 0.954 χ^2/NDF : 1555.6/17

All: 148.116 $\pm$ 0.670 χ^2/NDF : 4056.0/37

- sign 144.547 $\pm$ 0.941 χ^2/NDF : 2471.2/19

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037 ± 1.021 $\chi^2/\text{NDF}: 171.9/15$

Left Out: -6.015 ± 2.745 $\chi^2/\text{NDF}: 7.2/1$

Right Out: 3.974 ± 1.012 $\chi^2/\text{NDF}: 144.9/18$

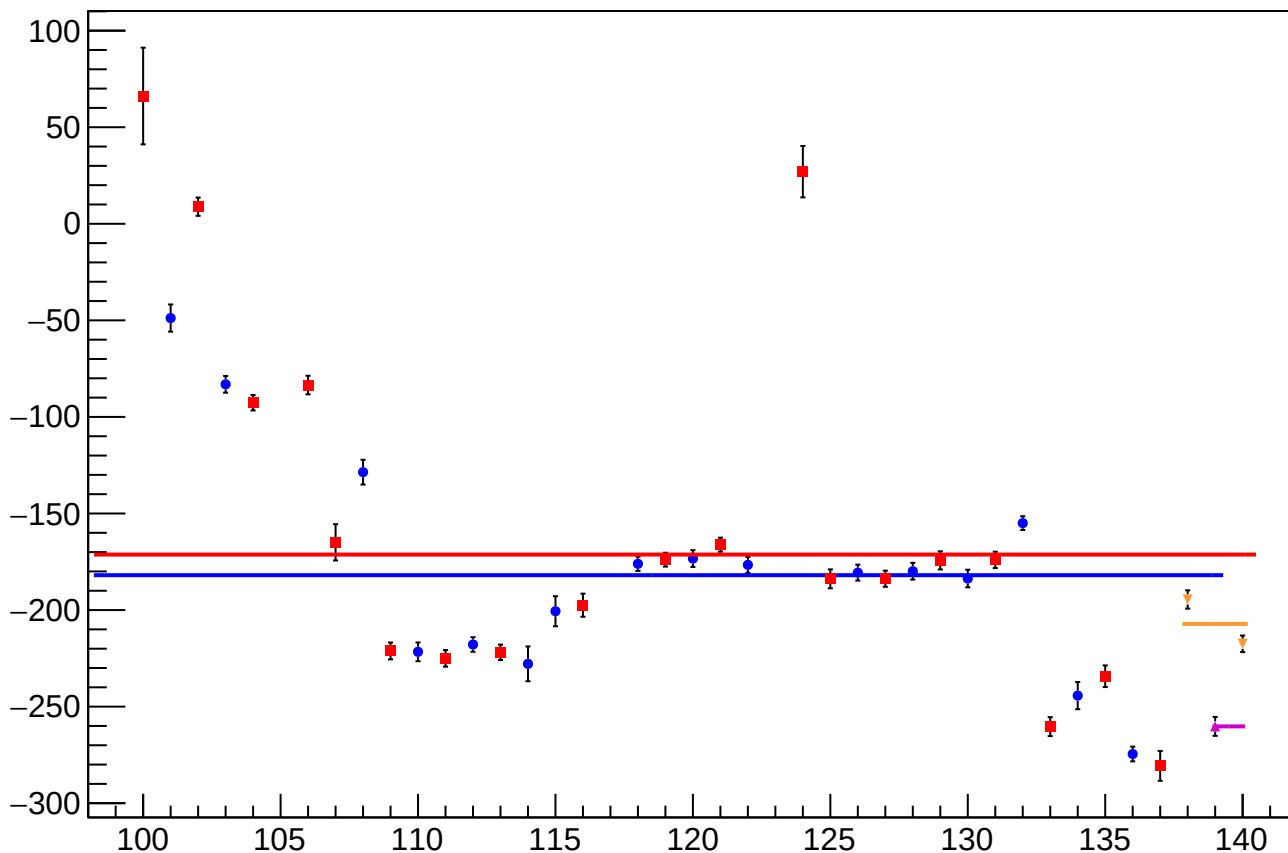
Left In: -30.490 ± 8.436 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3.694 ± 0.957 $\chi^2/\text{NDF}: 193.3/17$

All: 3.595 ± 0.693 $\chi^2/\text{NDF}: 354.7/37$

- sign 3.485 ± 1.005 $\chi^2/\text{NDF}: 161.3/19$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947 ± 1.154 $\chi^2/\text{NDF}: 1870.4/15$

Left Out: -207.174 ± 3.184 $\chi^2/\text{NDF}: 12.8/1$

Right Out: -171.262 ± 1.111 $\chi^2/\text{NDF}: 3628.2/18$

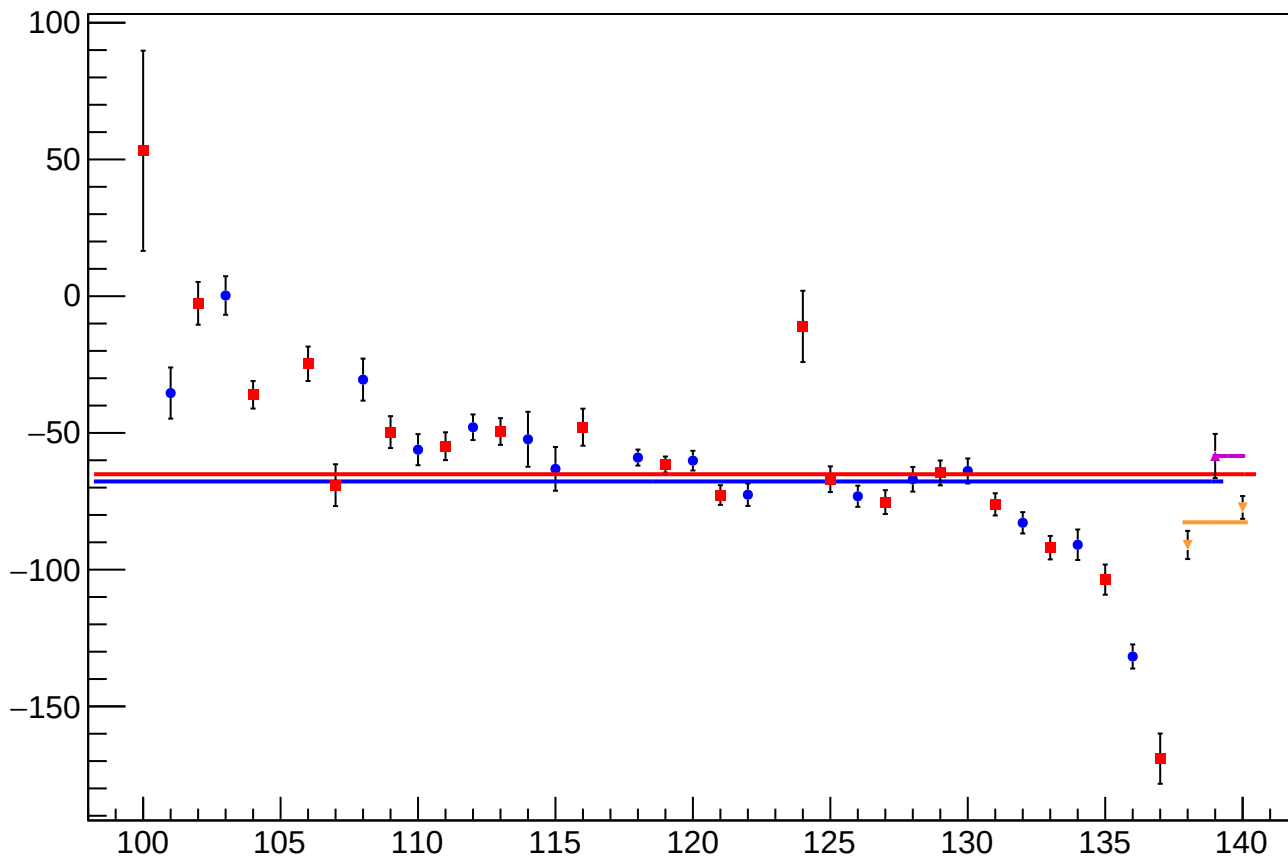
Left In: -260.225 ± 4.889 $\chi^2/\text{NDF}: 0.0/0$

+ sign -184.876 ± 1.085 $\chi^2/\text{NDF}: 1938.8/17$

All: -180.248 ± 0.767 $\chi^2/\text{NDF}: 5918.2/37$

- sign -175.631 ± 1.083 $\chi^2/\text{NDF}: 3943.1/19$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745 ± 1.181 χ^2/NDF : 414.0/15

Left Out: -82.682 ± 3.240 χ^2/NDF : 4.3/1

Right Out: -65.105 ± 1.167 χ^2/NDF : 429.0/18

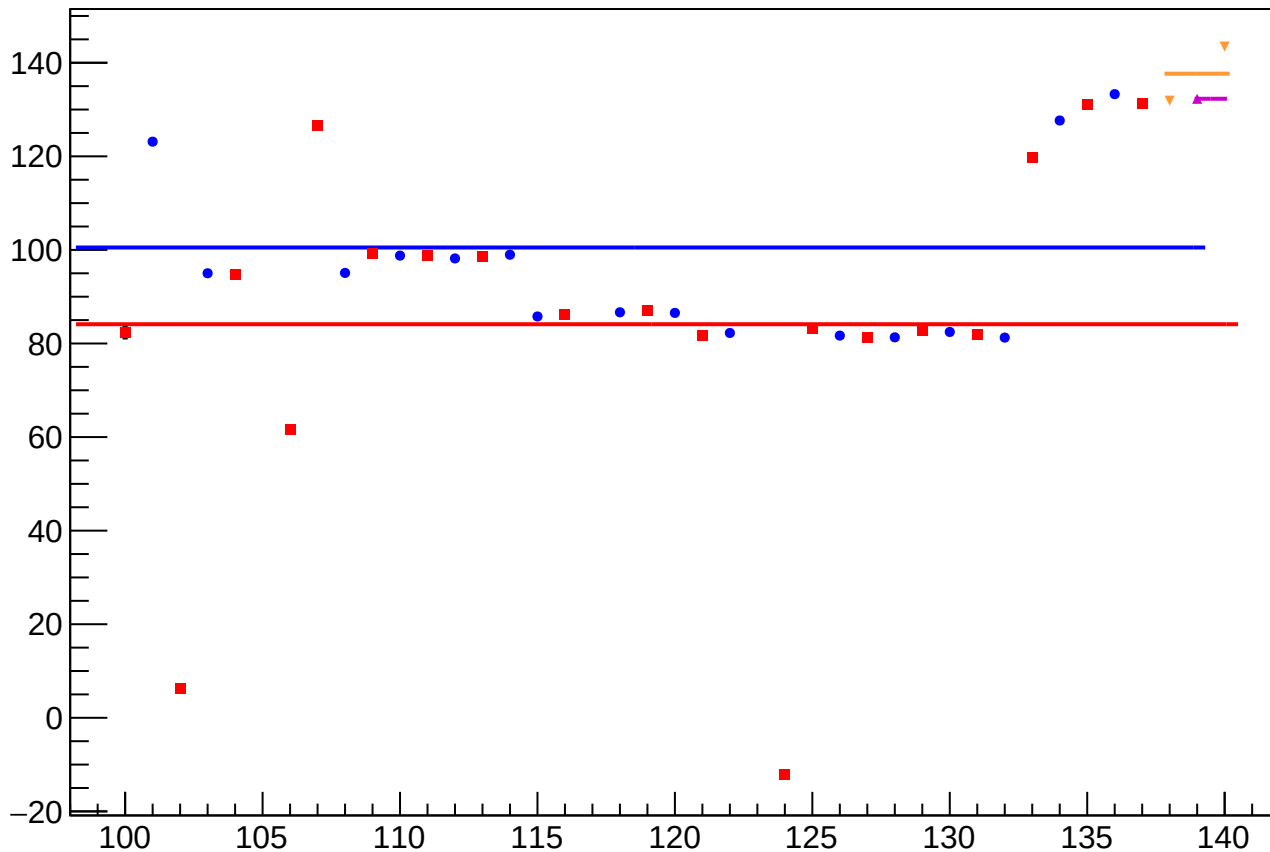
Left In: -58.440 ± 8.088 χ^2/NDF : 0.0/0

+ sign -69.498 ± 1.110 χ^2/NDF : 437.1/17

All: -67.323 ± 0.800 χ^2/NDF : 874.8/37

- sign -64.969 ± 1.155 χ^2/NDF : 429.7/19

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517 $\pm$ 0.074 χ^2 /NDF: 67464.8/15

Left Out: 137.667 $\pm$ 0.135 χ^2 /NDF: 1835.2/1

Right Out: 84.116 $\pm$ 0.069 χ^2 /NDF: 263788.9/18

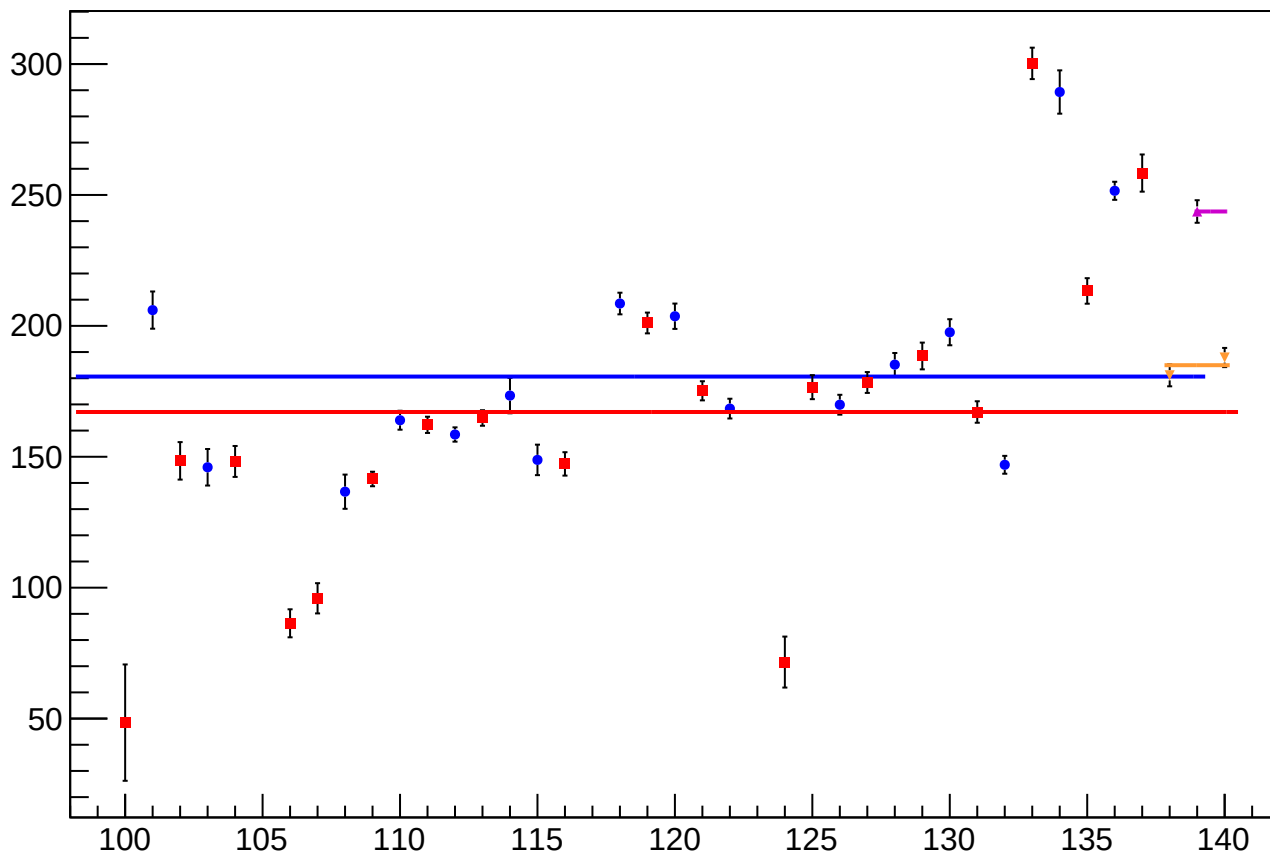
Left In: 132.304 $\pm$ 0.174 χ^2 /NDF: 0.0/0

+ sign 109.088 $\pm$ 0.065 χ^2 /NDF: 127507.5/17

All: 99.805 $\pm$ 0.046 χ^2 /NDF: 497941.6/37

- sign 90.680 $\pm$ 0.064 χ^2 /NDF: 329828.9/19

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2 /NDF: 993.4/15

Left Out: 184.978 $\pm$ 2.763 χ^2 /NDF: 1.5/1

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

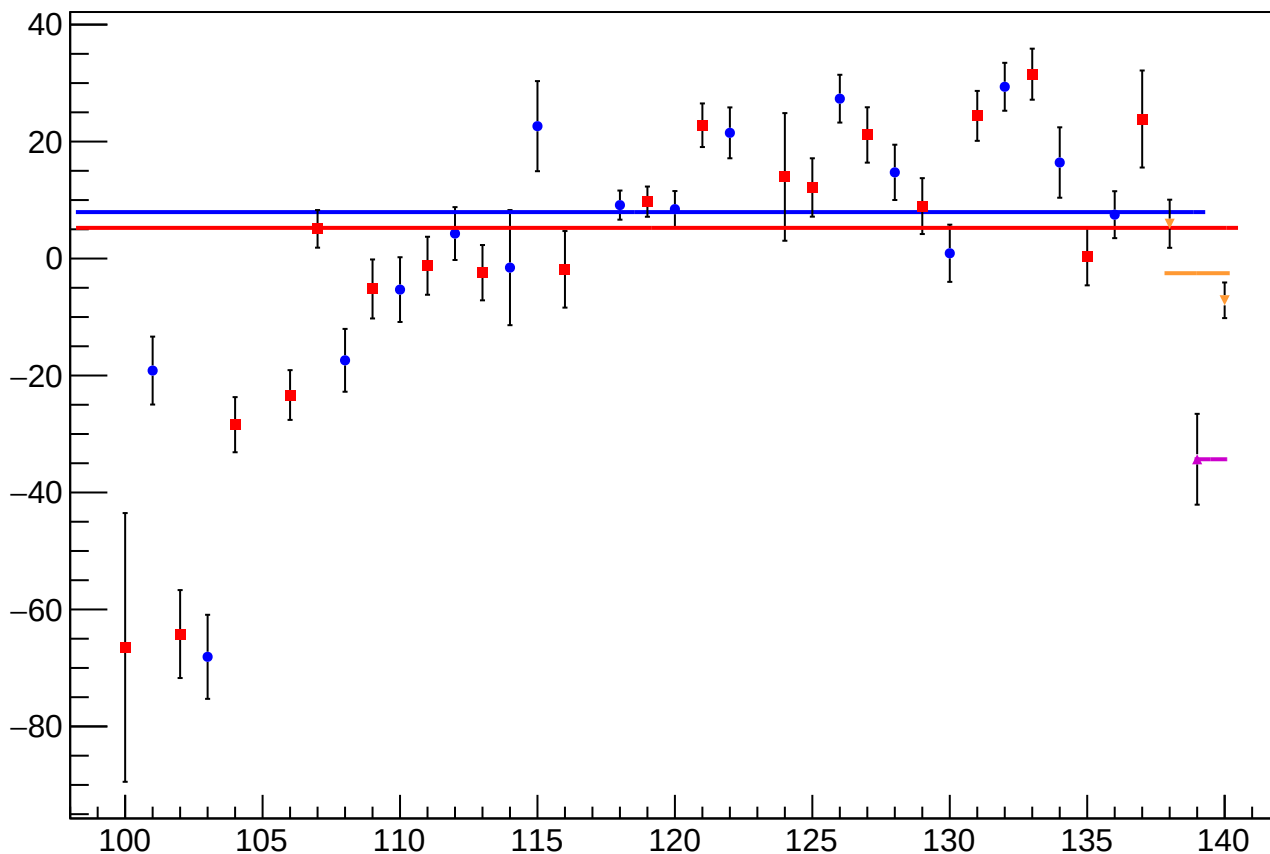
Left In: 243.683 $\pm$ 4.310 χ^2 /NDF: 0.0/0

+ sign 181.219 $\pm$ 1.014 χ^2 /NDF: 997.0/17

All: 176.092 $\pm$ 0.709 χ^2 /NDF: 2830.7/37

- sign 171.169 $\pm$ 0.993 χ^2 /NDF: 1783.5/19

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.506 ± 2.448 χ^2/NDF : 6.5/1

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

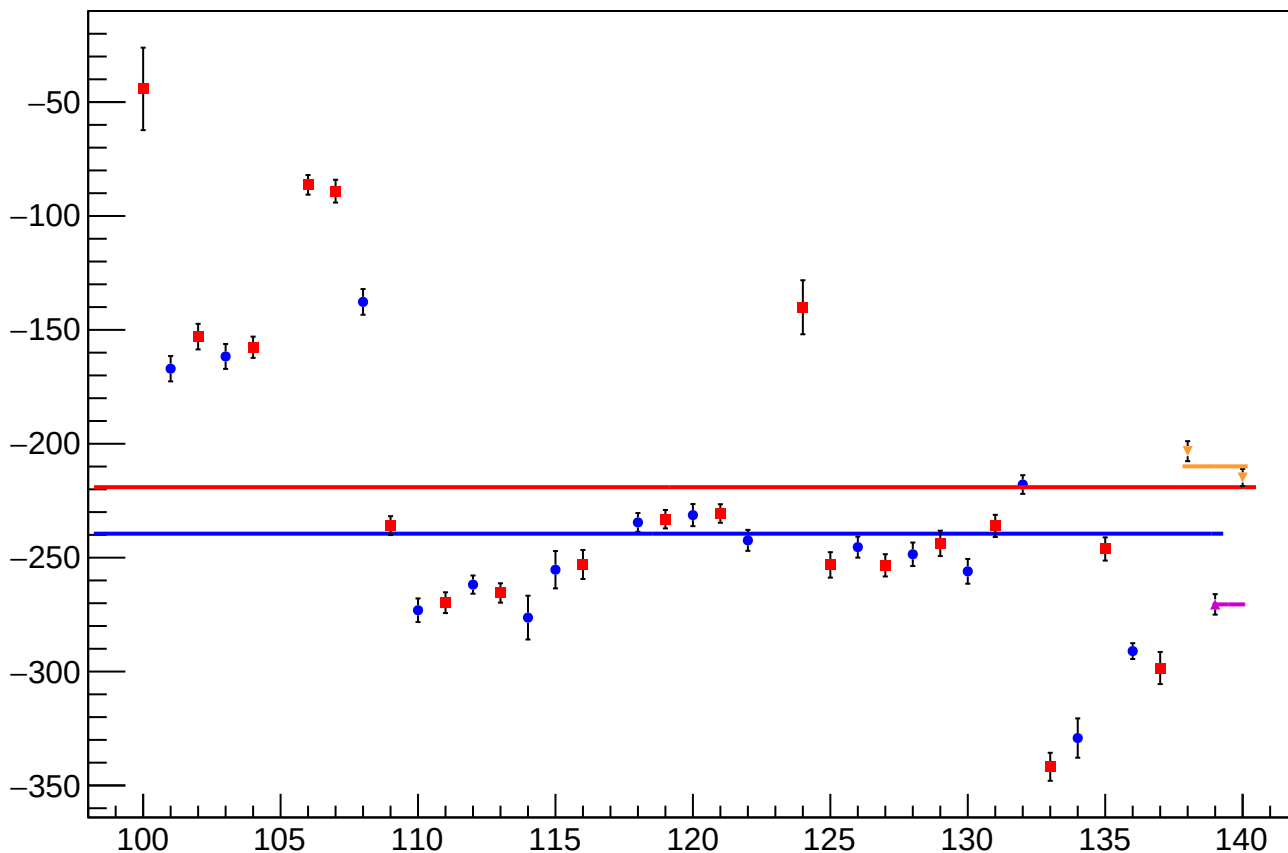
Left In: -34.319 ± 7.765 χ^2/NDF : 0.0/0

+ sign 6.151 ± 1.013 χ^2/NDF : 254.5/17

All: 5.365 ± 0.730 χ^2/NDF : 584.2/37

- sign 4.518 ± 1.052 χ^2/NDF : 328.4/19

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: -209.912+/-2.859 χ^2/NDF : 4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF : 3049.3/18

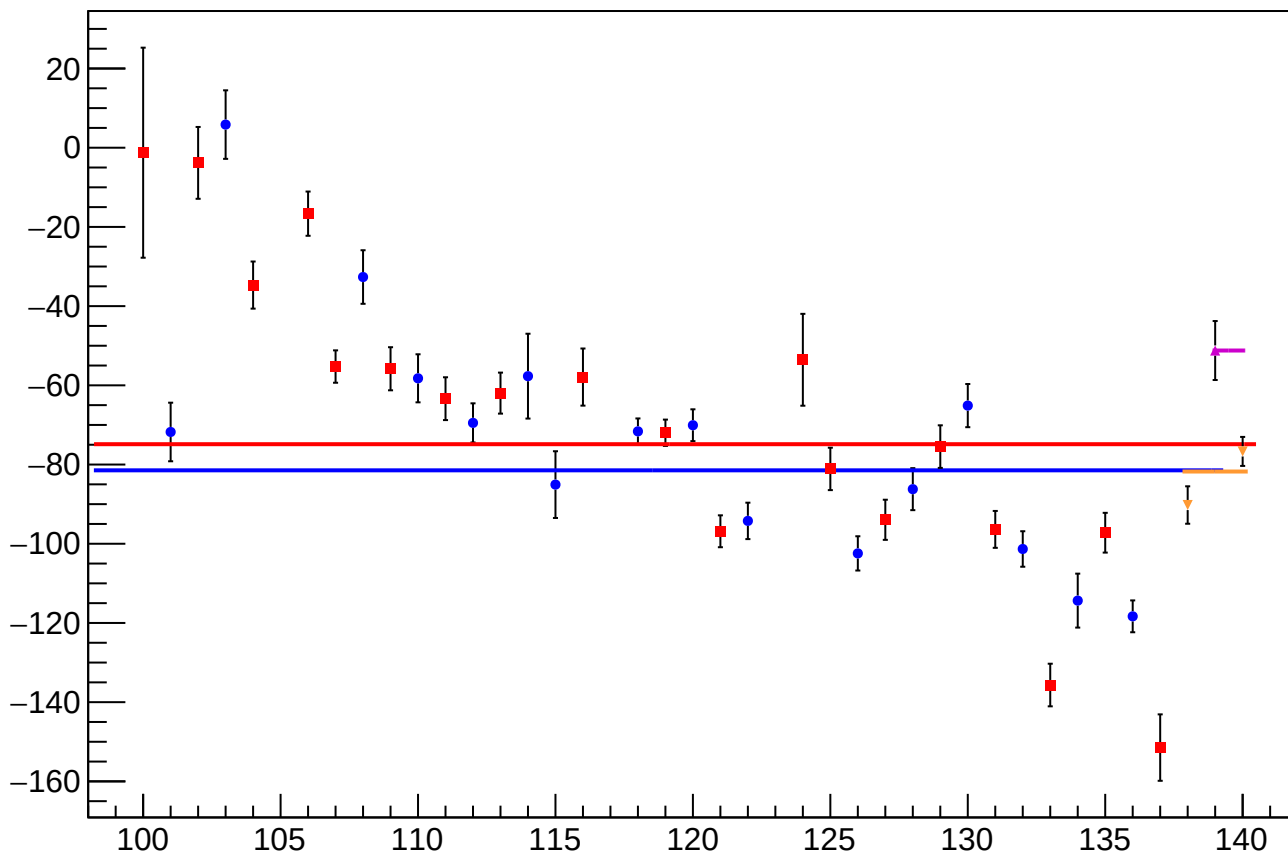
Left In: -270.522+/-4.493 χ^2/NDF : 0.0/0

+ sign -234.754+/-1.142 χ^2/NDF : 1256.1/17

All: -228.534+/-0.806 χ^2/NDF : 4487.4/37

- sign -222.355+/-1.138 χ^2/NDF : 3172.1/19

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -81.462 ± 1.287 χ^2/NDF : 366.5/15

Left Out: -81.762 ± 2.895 χ^2/NDF : 5.1/1

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

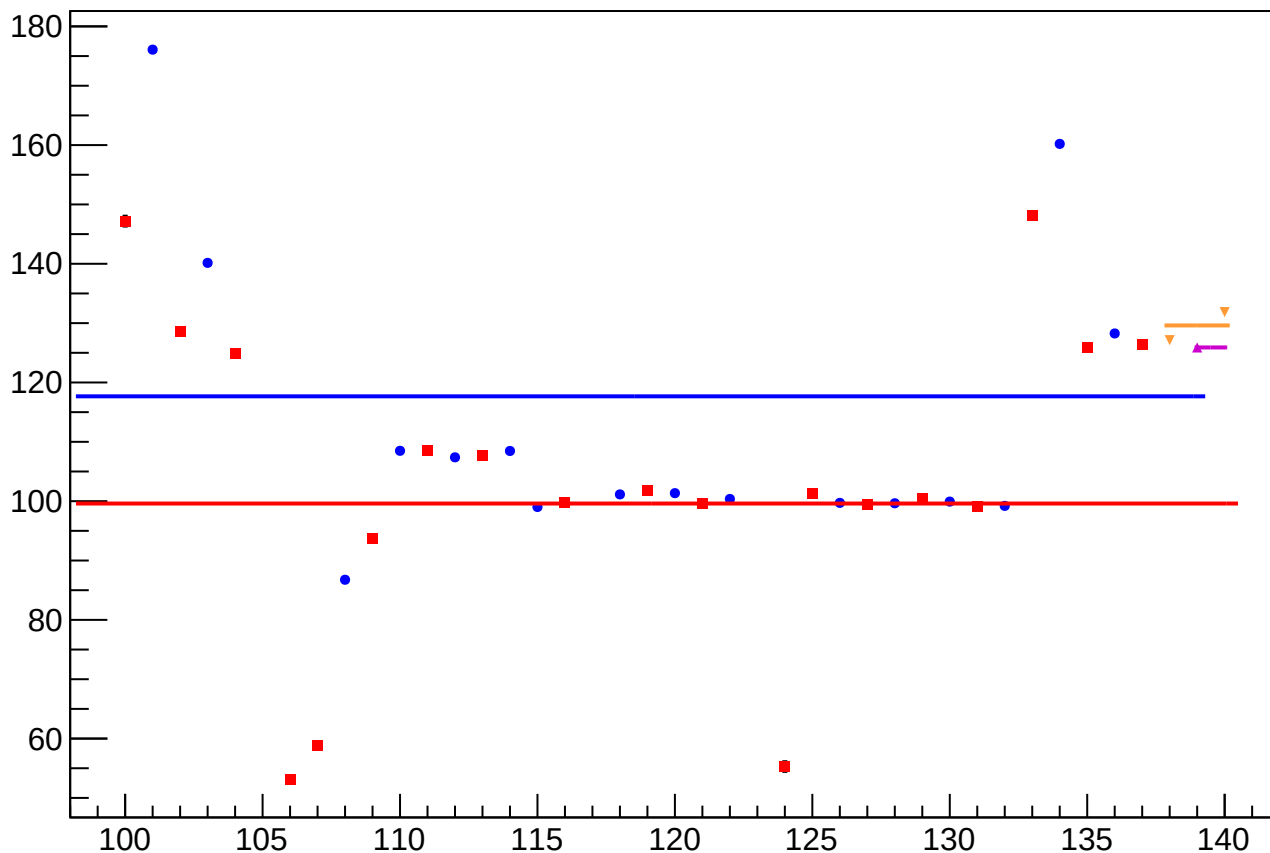
Left In: -51.209 ± 7.446 χ^2/NDF : 0.0/0

+ sign -81.511 ± 1.176 χ^2/NDF : 371.6/17

All: -77.987 ± 0.845 χ^2/NDF : 976.6/37

- sign -74.233 ± 1.214 χ^2/NDF : 586.4/19

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 129.612 $\pm$ 0.122 χ^2 /NDF: 376.1/1

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

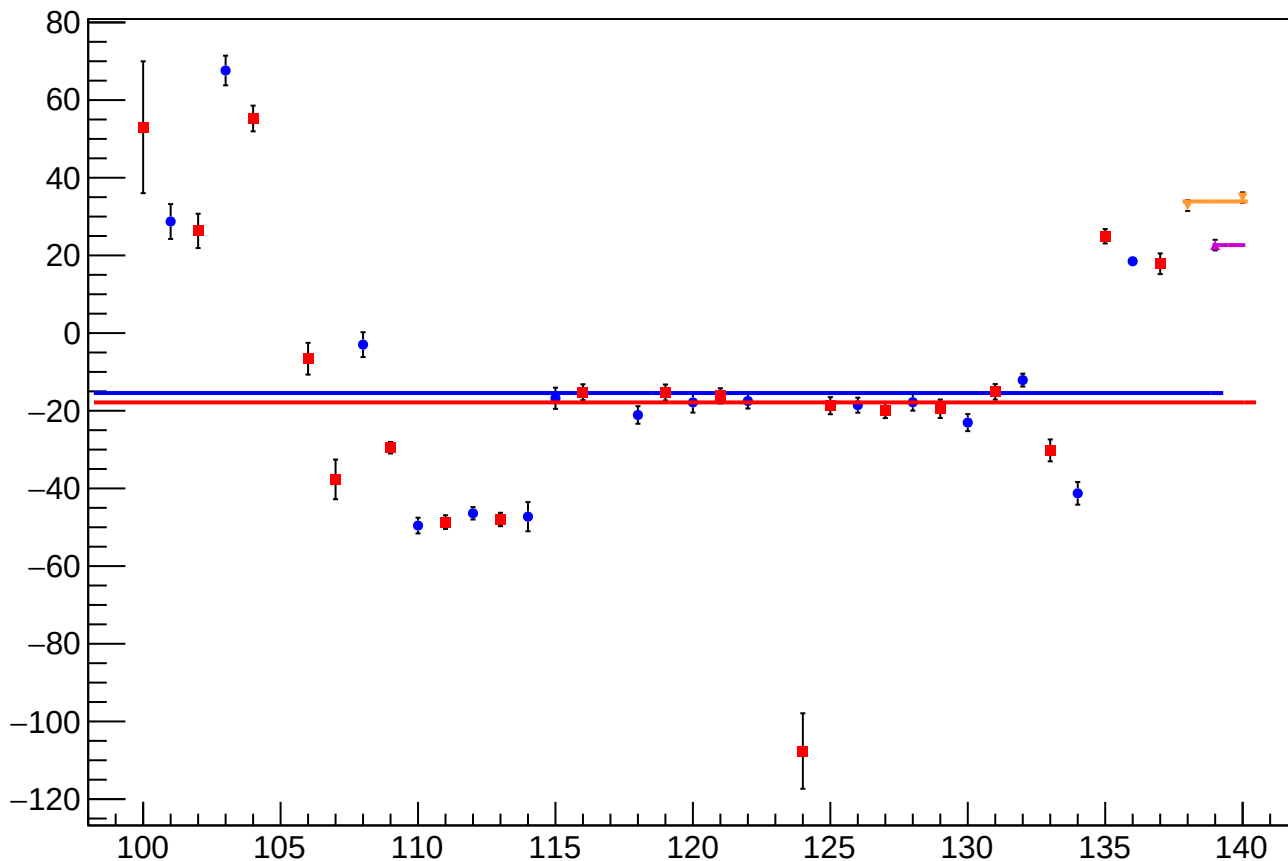
Left In: 125.902 $\pm$ 0.160 χ^2 /NDF: 0.0/0

+ sign 121.156 $\pm$ 0.066 χ^2 /NDF: 102582.3/17

All: 112.306 $\pm$ 0.046 χ^2 /NDF: 326712.8/37

- sign 103.840 $\pm$ 0.064 χ^2 /NDF: 188775.8/19

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438 ± 0.539 $\chi^2/\text{NDF}: 2124.2/15$

Left Out: 33.898 ± 0.963 $\chi^2/\text{NDF}: 1.1/1$

Right Out: -17.848 ± 0.530 $\chi^2/\text{NDF}: 2125.2/18$

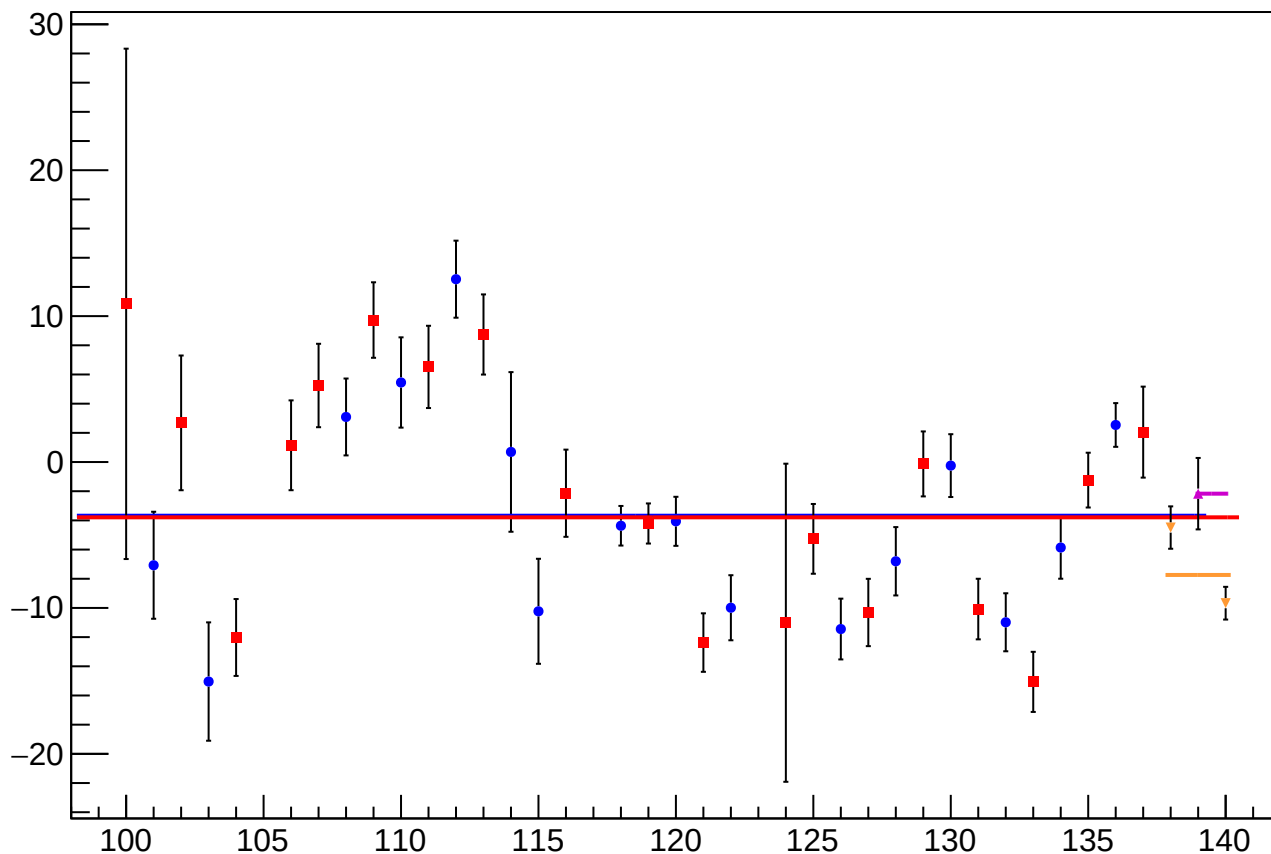
Left In: 22.656 ± 1.357 $\chi^2/\text{NDF}: 0.0/0$

+ sign -3.677 ± 0.470 $\chi^2/\text{NDF}: 4122.3/17$

All: -7.875 ± 0.340 $\chi^2/\text{NDF}: 7187.9/37$

- sign -12.493 ± 0.493 $\chi^2/\text{NDF}: 2898.4/19$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679 ± 0.552 χ^2/NDF : 124.0/15

Left Out: -7.739 ± 0.888 χ^2/NDF : 8.0/1

Right Out: -3.790 ± 0.564 χ^2/NDF : 161.2/18

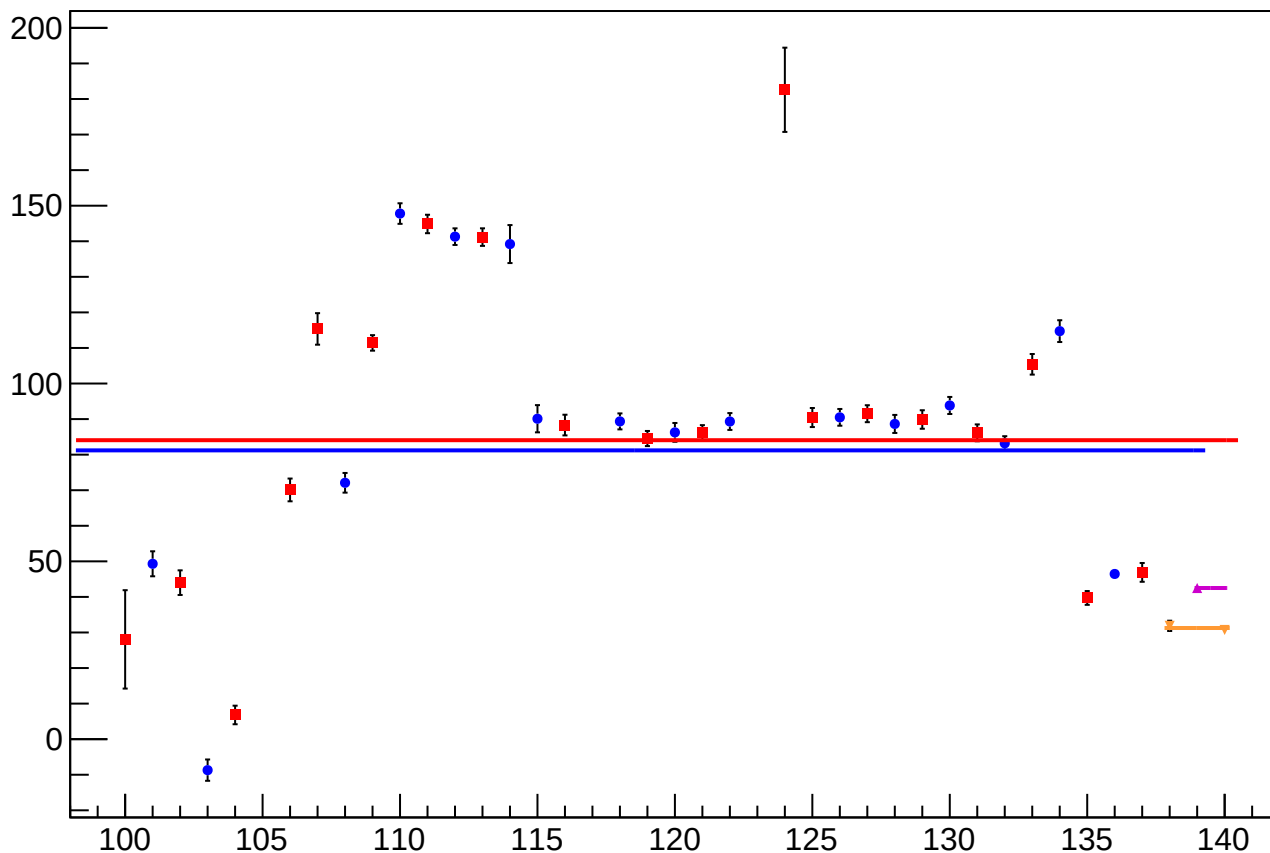
Left In: -2.168 ± 2.449 χ^2/NDF : 0.0/0

+ sign -4.812 ± 0.469 χ^2/NDF : 147.1/17

All: -4.347 ± 0.357 χ^2/NDF : 311.0/37

- sign -3.708 ± 0.549 χ^2/NDF : 161.6/19

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203 $\pm$ 0.607 χ^2 /NDF: 3230.5/15

Left Out: 31.259 $\pm$ 0.998 χ^2 /NDF: 0.3/1

Right Out: 84.065 $\pm$ 0.616 χ^2 /NDF: 3206.5/18

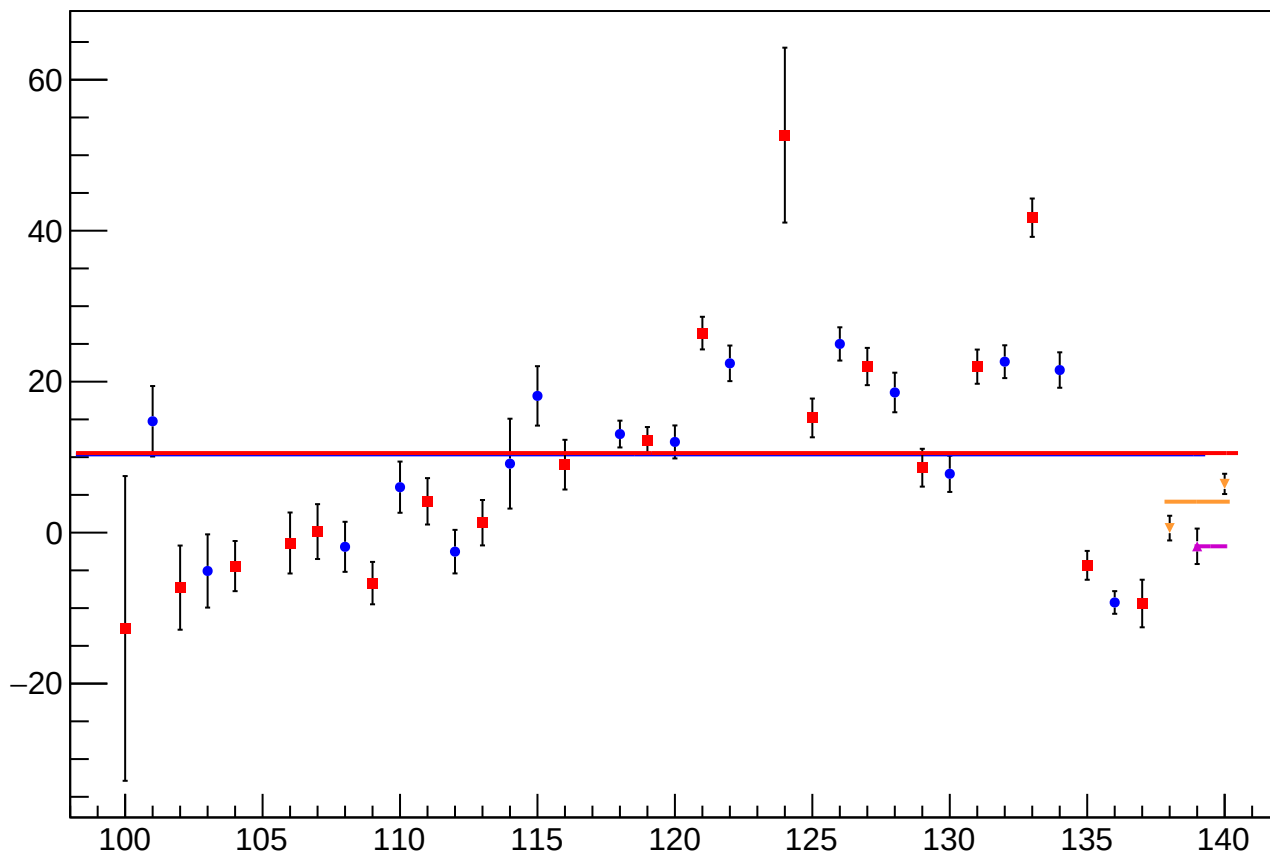
Left In: 42.505 $\pm$ 1.414 χ^2 /NDF: 0.0/0

+ sign 67.716 $\pm$ 0.519 χ^2 /NDF: 5058.6/17

All: 72.160 $\pm$ 0.382 χ^2 /NDF: 9151.5/37

- sign 77.432 $\pm$ 0.565 χ^2 /NDF: 3932.4/19

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367 $\pm$ 0.627 χ^2 /NDF: 359.8/15

Left Out: 4.100 $\pm$ 1.038 χ^2 /NDF: 7.7/1

Right Out: 10.539 $\pm$ 0.640 χ^2 /NDF: 470.7/18

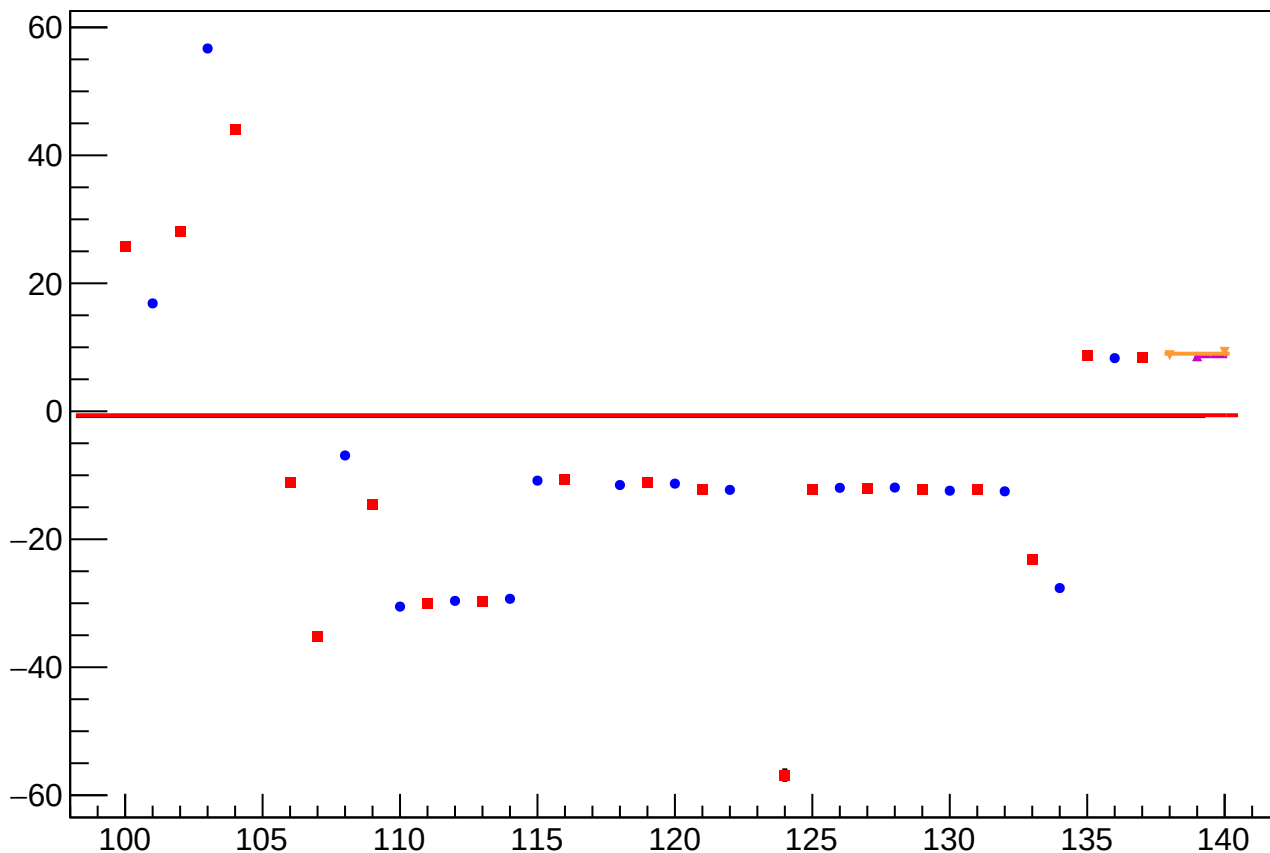
Left In: -1.811 $\pm$ 2.348 χ^2 /NDF: 0.0/0

+ sign 8.693 $\pm$ 0.536 χ^2 /NDF: 394.2/17

All: 9.119 $\pm$ 0.405 χ^2 /NDF: 892.1/37

- sign 9.685 $\pm$ 0.618 χ^2 /NDF: 496.5/19

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745 ± 0.036 χ^2/NDF : 367993.9/15

Left Out: 9.000 ± 0.042 χ^2/NDF : 37.6/1

Right Out: -0.618 ± 0.037 χ^2/NDF : 316492.6/18

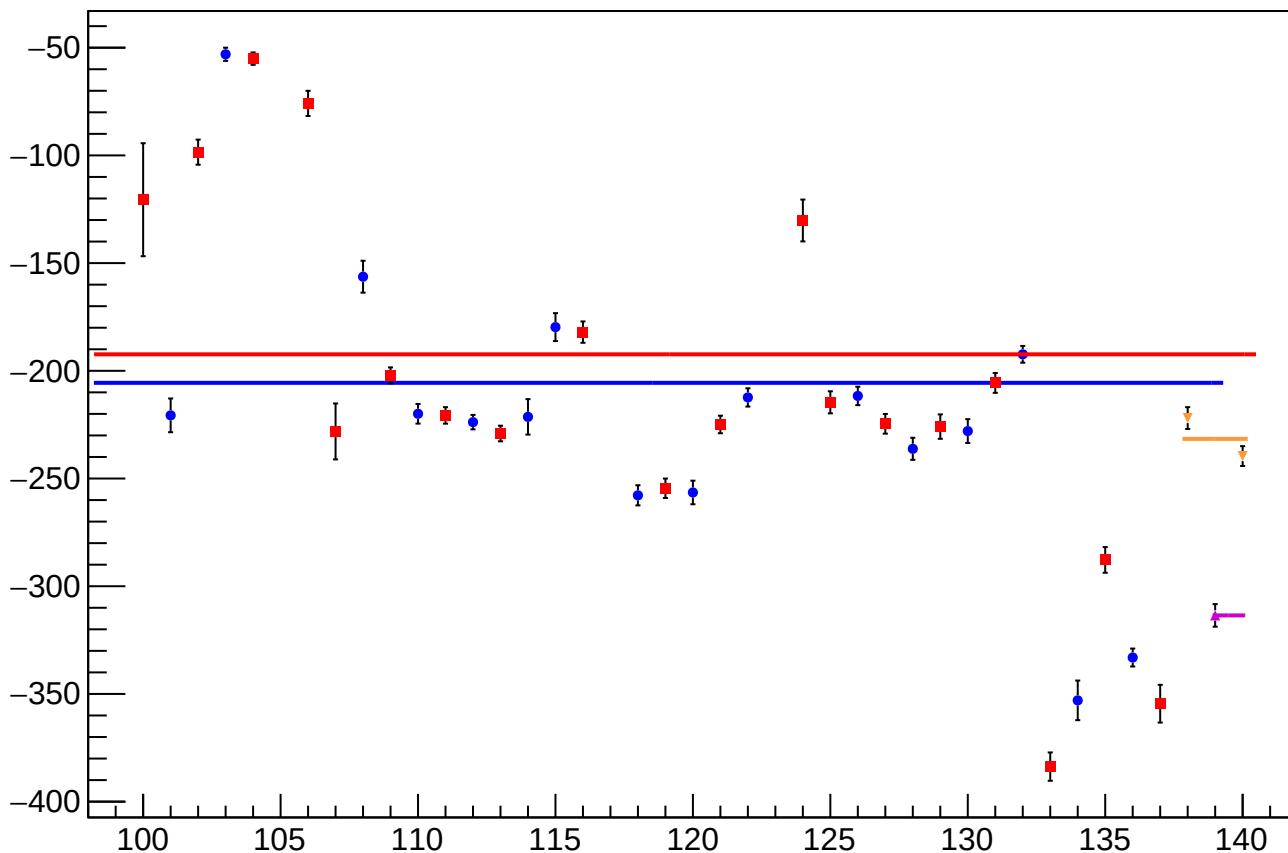
Left In: 8.603 ± 0.050 χ^2/NDF : 0.0/0

+ sign 3.404 ± 0.027 χ^2/NDF : 399439.4/17

All: 3.060 ± 0.020 χ^2/NDF : 737848.7/37

- sign 2.641 ± 0.030 χ^2/NDF : 338054.0/19

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF : 4056.0/15

Left Out: -231.596+/-3.407 χ^2/NDF : 6.6/1

Right Out: -192.345+/-1.123 χ^2/NDF : 4969.8/18

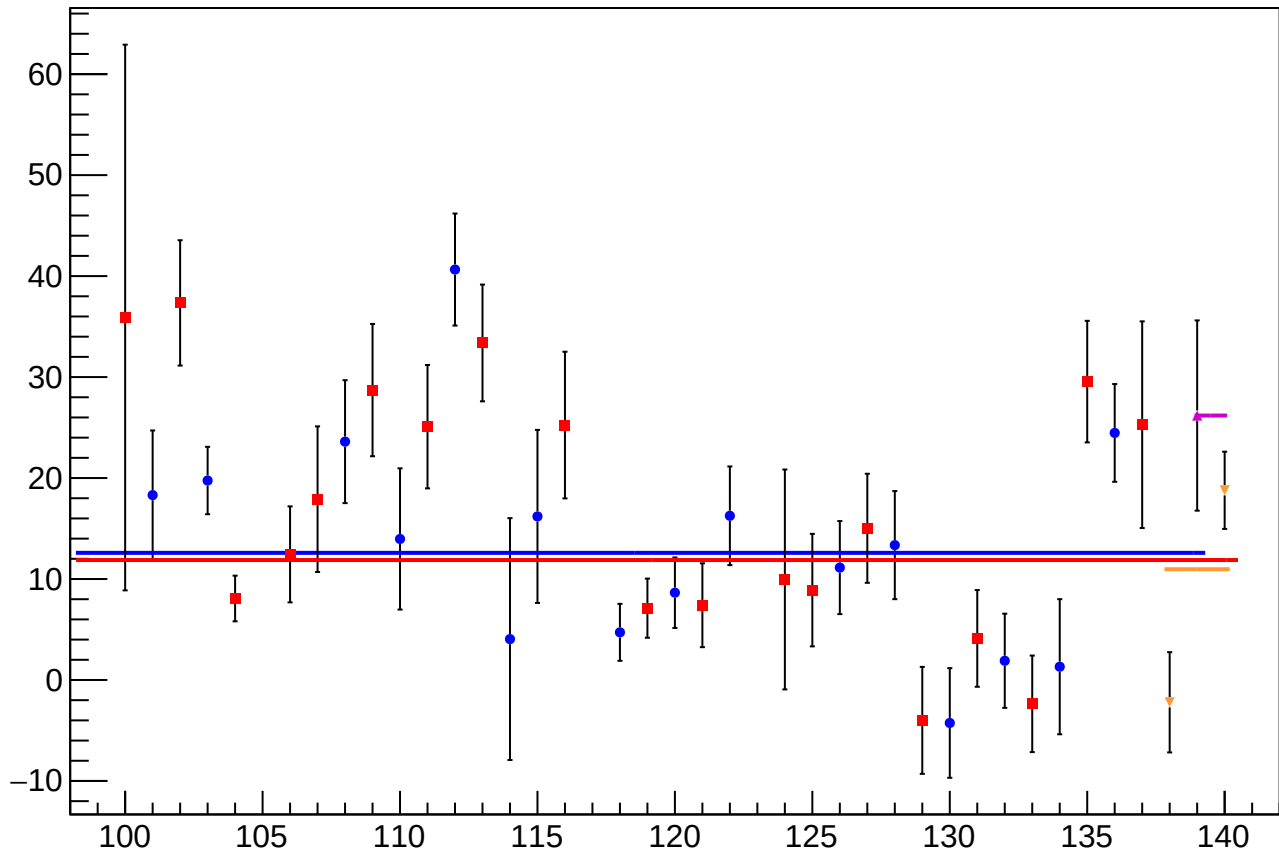
Left In: -313.544+/-5.244 χ^2/NDF : 0.0/0

+ sign -208.383+/-1.119 χ^2/NDF : 4114.7/17

All: -202.916+/-0.784 χ^2/NDF : 9642.2/37

- sign -197.656+/-1.098 χ^2/NDF : 5480.7/19

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592 $\pm$ 1.203 χ^2 /NDF: 68.5/15

Left Out: 10.967 $\pm$ 3.030 χ^2 /NDF: 11.2/1

Right Out: 11.880 $\pm$ 1.122 χ^2 /NDF: 84.9/18

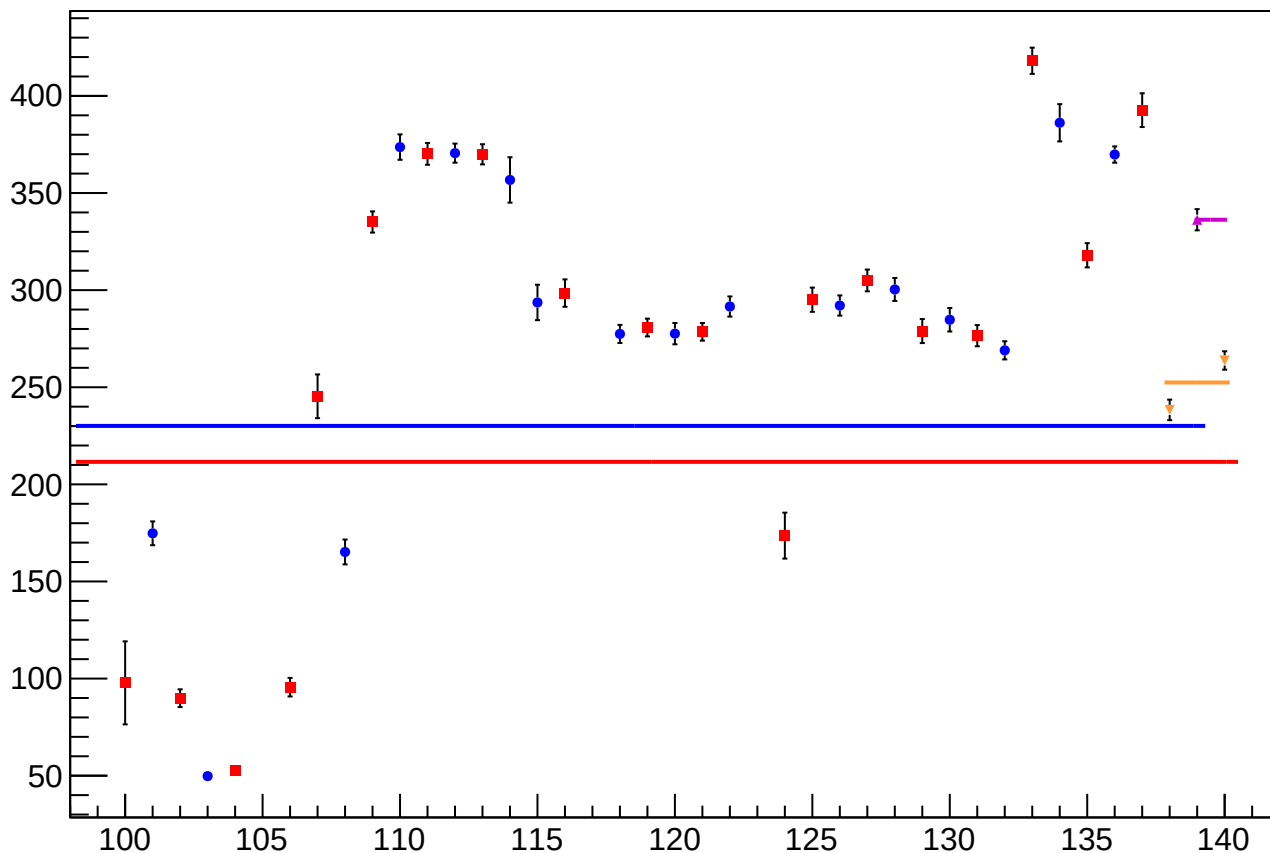
Left In: 26.190 $\pm$ 9.421 χ^2 /NDF: 0.0/0

+ sign 12.371 $\pm$ 1.118 χ^2 /NDF: 80.0/17

All: 12.225 $\pm$ 0.789 χ^2 /NDF: 167.2/37

- sign 12.080 $\pm$ 1.114 χ^2 /NDF: 87.2/19

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095 $\pm$ 1.260 χ^2 /NDF: 9375.6/15

Left Out: 252.447 $\pm$ 3.526 χ^2 /NDF:12.9/1

Right Out: 211.588 $\pm$ 1.195 χ^2 /NDF: 11472.1/18

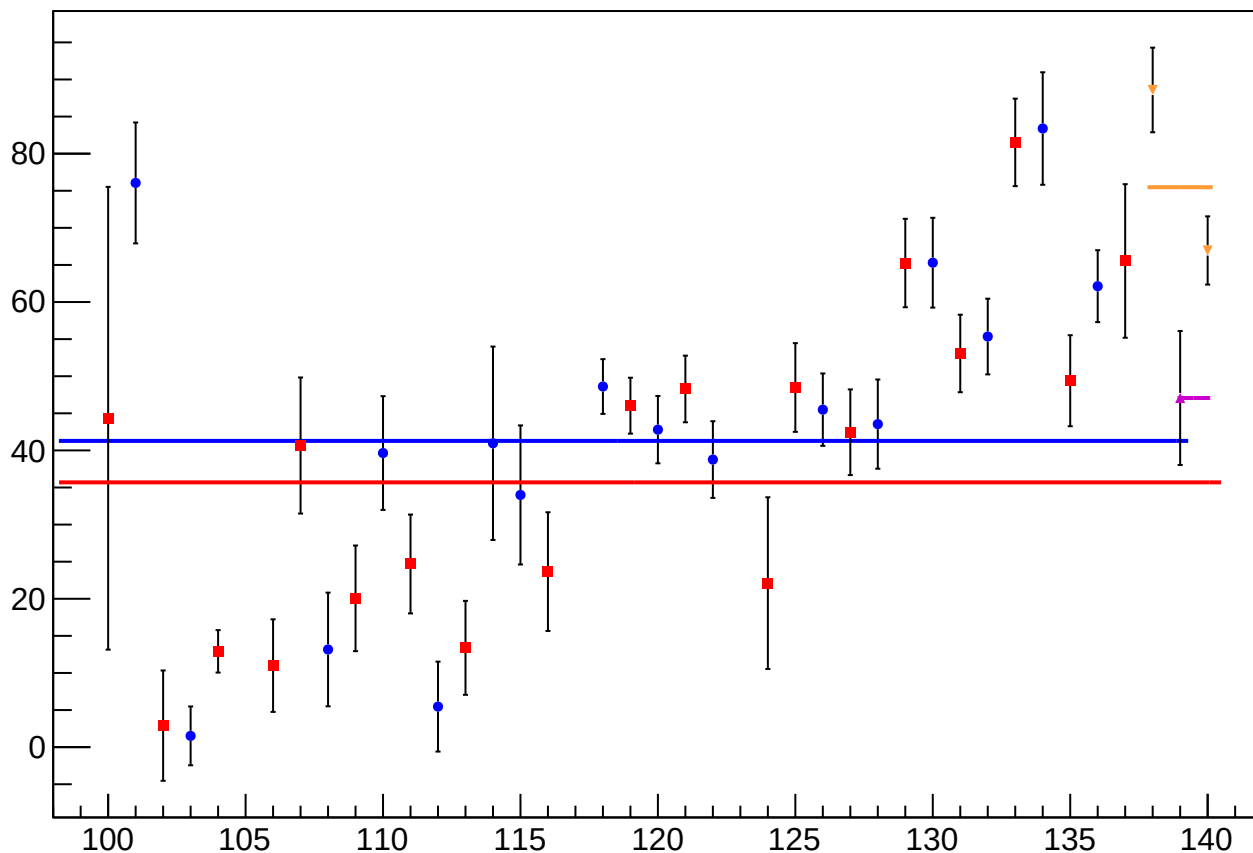
Left In: 336.245 $\pm$ 5.468 χ^2 /NDF:0.0/0

+ sign 232.624 $\pm$ 1.186 χ^2 /NDF: 9424.1/17

All: 224.828 $\pm$ 0.832 χ^2 /NDF: 21477.4/37

- sign 217.273 $\pm$ 1.168 χ^2 /NDF: 11968.2/19

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.282 $\pm$ 1.398 χ^2 /NDF: 245.8/15

Left Out: 75.478 $\pm$ 3.580 χ^2 /NDF: 8.7/1

Right Out: 35.692 $\pm$ 1.317 χ^2 /NDF: 253.2/18

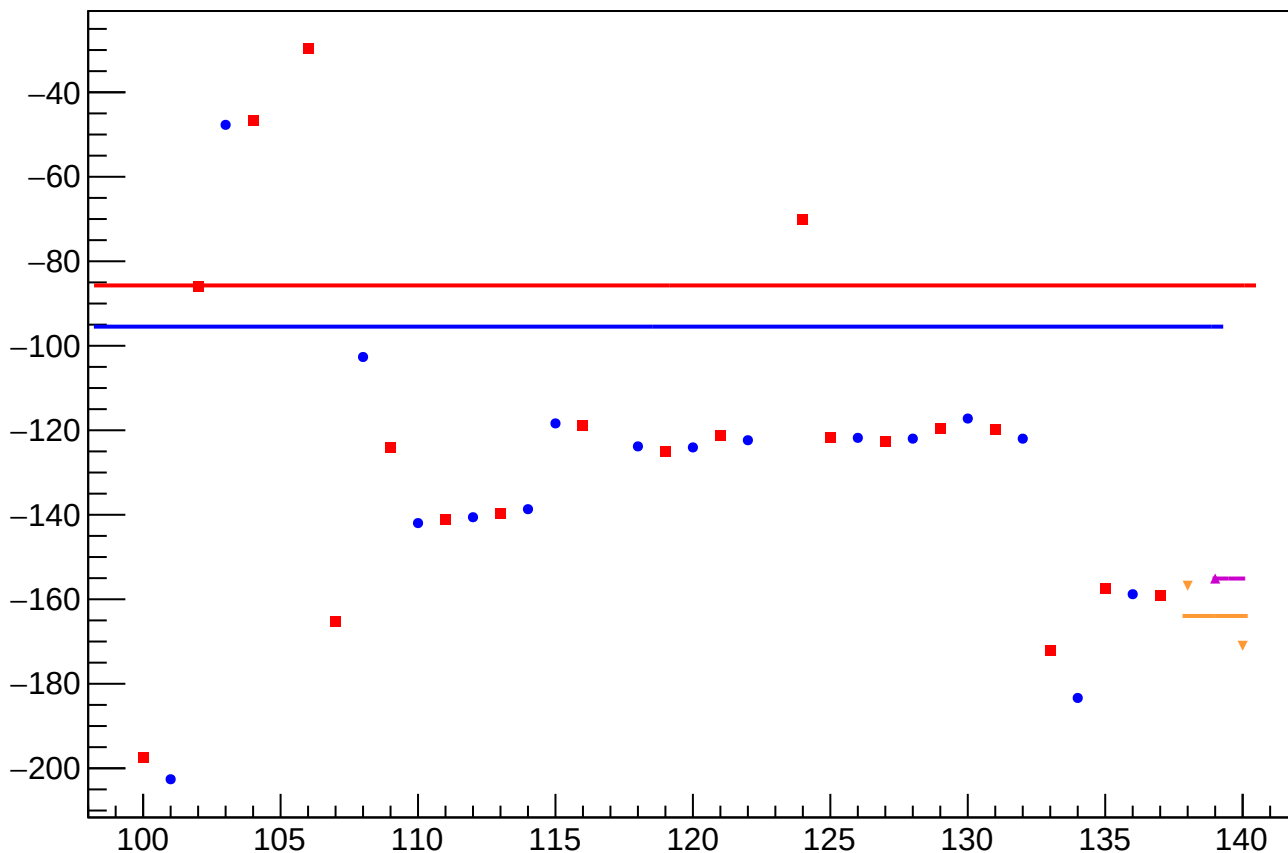
Left In: 47.064 $\pm$ 9.032 χ^2 /NDF: 0.0/0

+ sign 45.804 $\pm$ 1.302 χ^2 /NDF: 333.7/17

All: 40.872 $\pm$ 0.921 χ^2 /NDF: 617.2/37

- sign 35.929 $\pm$ 1.303 χ^2 /NDF: 254.8/19

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468 $\pm$ 0.069 χ^2 /NDF: 519953.8/15

Left Out: -163.949 $\pm$ 0.150 χ^2 /NDF: 2248.2/1

Right Out: -85.716 $\pm$ 0.067 χ^2 /NDF: 482604.9/18

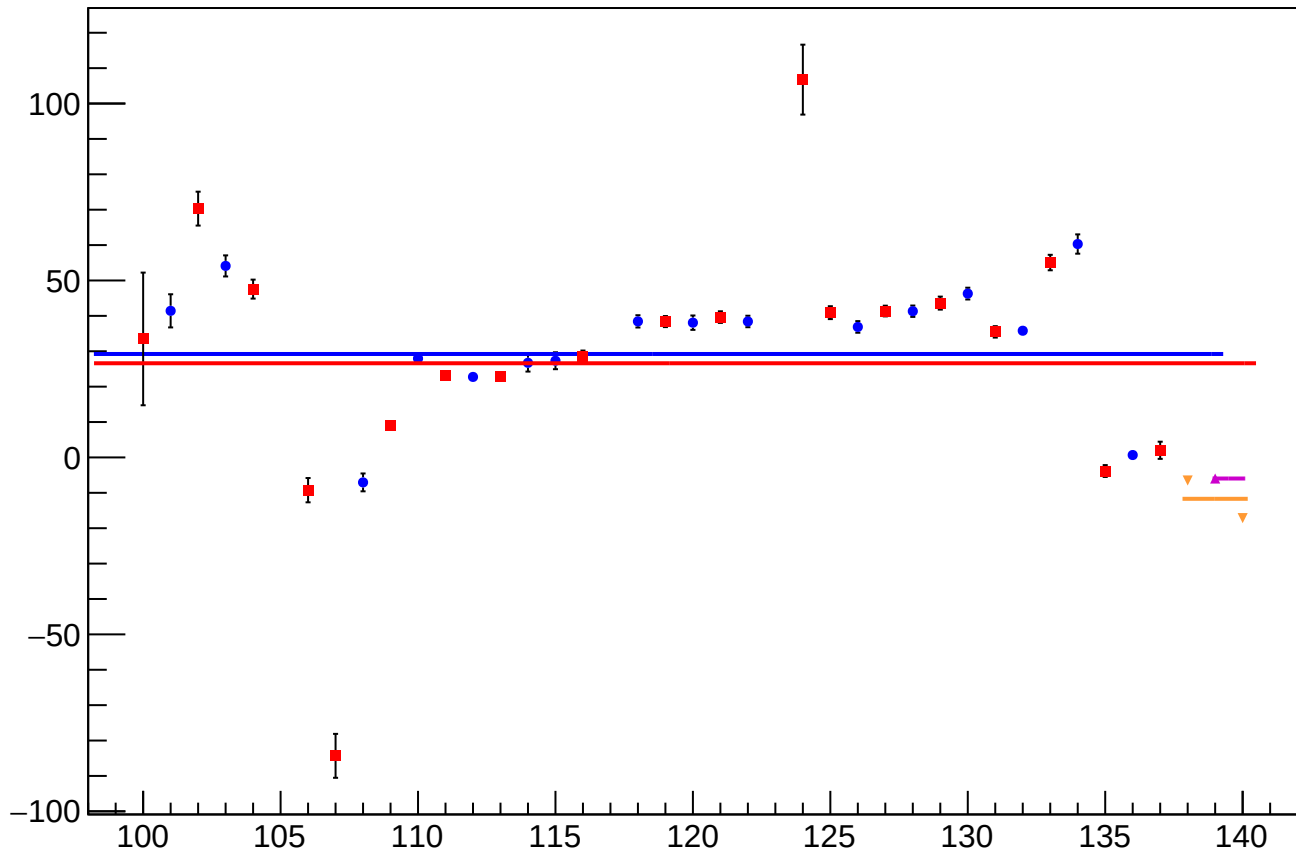
Left In: -155.090 $\pm$ 0.195 χ^2 /NDF: 0.0/0

+ sign -107.564 $\pm$ 0.063 χ^2 /NDF: 693923.4/17

All: -100.342 $\pm$ 0.045 χ^2 /NDF: 1316492.6/37

- sign -93.055 $\pm$ 0.063 χ^2 /NDF: 596190.0/19

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: -11.694+/-0.899 χ^2 /NDF: 34.9/1

Right Out: 26.609+/-0.414 χ^2 /NDF: 1920.6/18

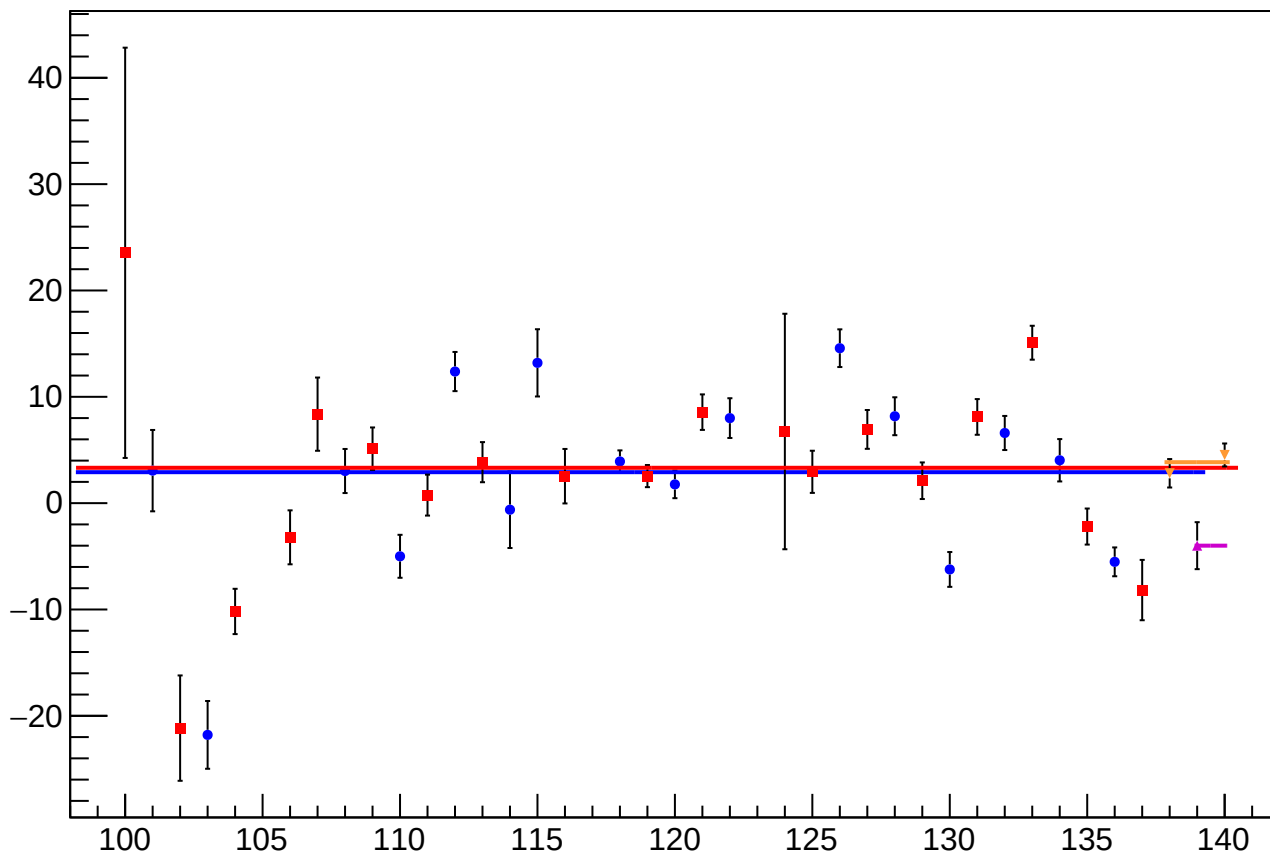
Left In: -5.958+/-1.226 χ^2 /NDF: 0.0/0

+ sign 21.781+/-0.384 χ^2 /NDF: 3071.1/17

All: 22.510+/-0.274 χ^2 /NDF: 5632.9/37

- sign 23.272+/-0.392 χ^2 /NDF: 2554.4/19

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.912 $\pm$ 0.442 χ^2 /NDF: 250.0/15

Left Out: 3.852 $\pm$ 0.840 χ^2 /NDF:1.0/1

Right Out: 3.326 $\pm$ 0.454 χ^2 /NDF: 181.8/18

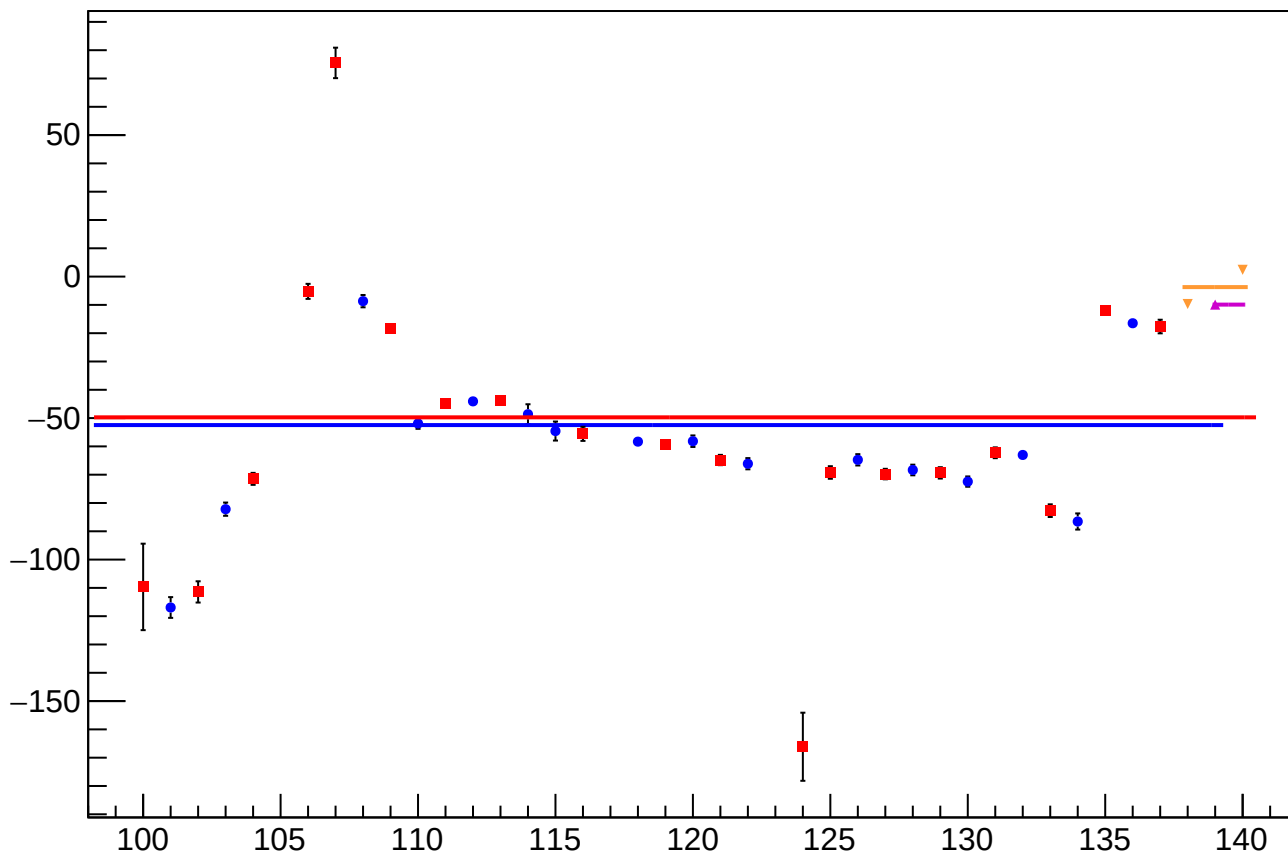
Left In: -3.998 $\pm$ 2.209 χ^2 /NDF:0.0/0

+ sign 3.116 $\pm$ 0.391 χ^2 /NDF: 251.9/17

All: 3.078 $\pm$ 0.294 χ^2 /NDF: 444.3/37

- sign 3.030 $\pm$ 0.444 χ^2 /NDF: 192.3/19

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -52.467 ± 0.488 $\chi^2/\text{NDF}: 2330.2/15$

Left Out: -3.713 ± 0.932 $\chi^2/\text{NDF}: 42.0/1$

Right Out: -49.734 ± 0.494 $\chi^2/\text{NDF}: 3009.7/18$

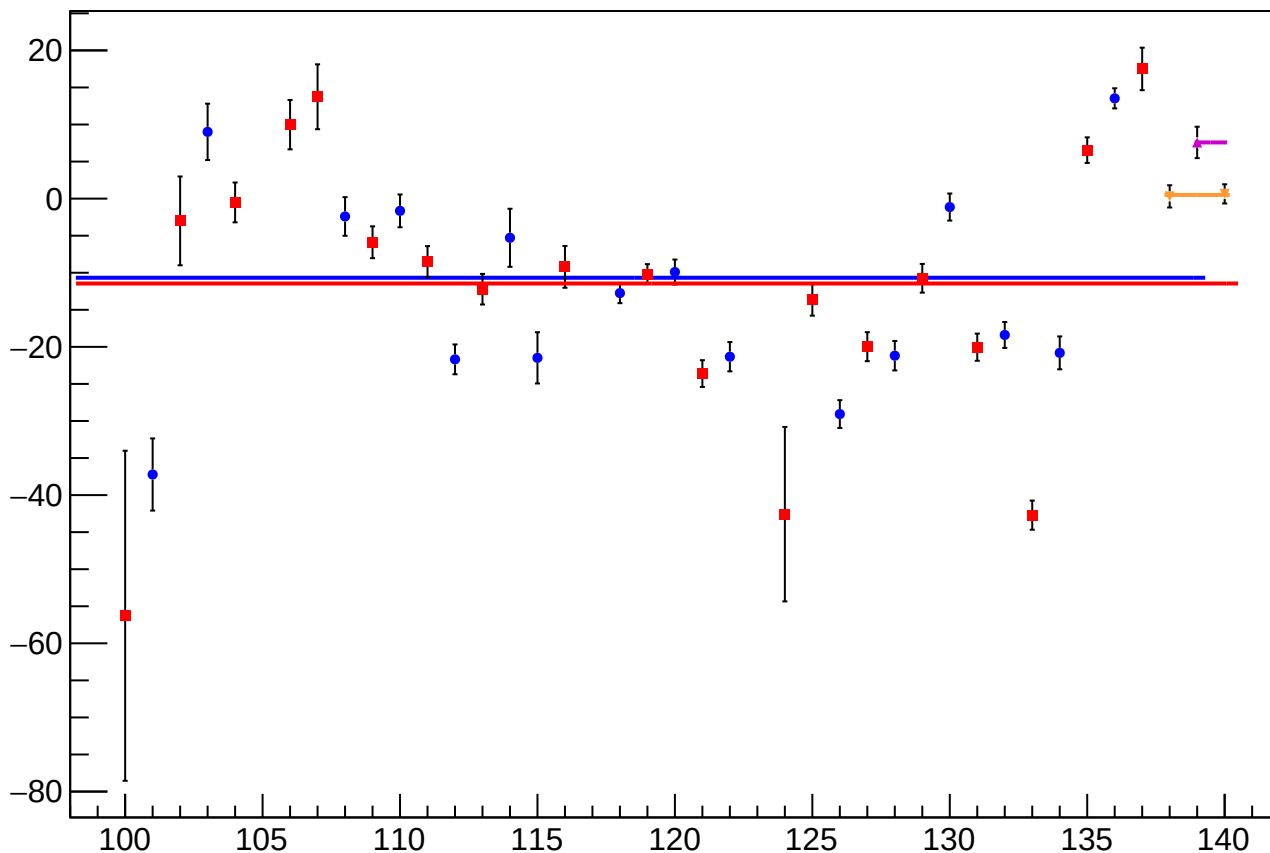
Left In: -9.901 ± 1.277 $\chi^2/\text{NDF}: 0.0/0$

+ sign -41.989 ± 0.432 $\chi^2/\text{NDF}: 4519.3/17$

All: -43.188 ± 0.315 $\chi^2/\text{NDF}: 8391.3/37$

- sign -44.550 ± 0.461 $\chi^2/\text{NDF}: 3855.6/19$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.675 ± 0.505 χ^2/NDF : 666.4/15

Left Out: 0.499 ± 0.979 χ^2/NDF : 0.0/1

Right Out: -11.450 ± 0.516 χ^2/NDF : 665.7/18

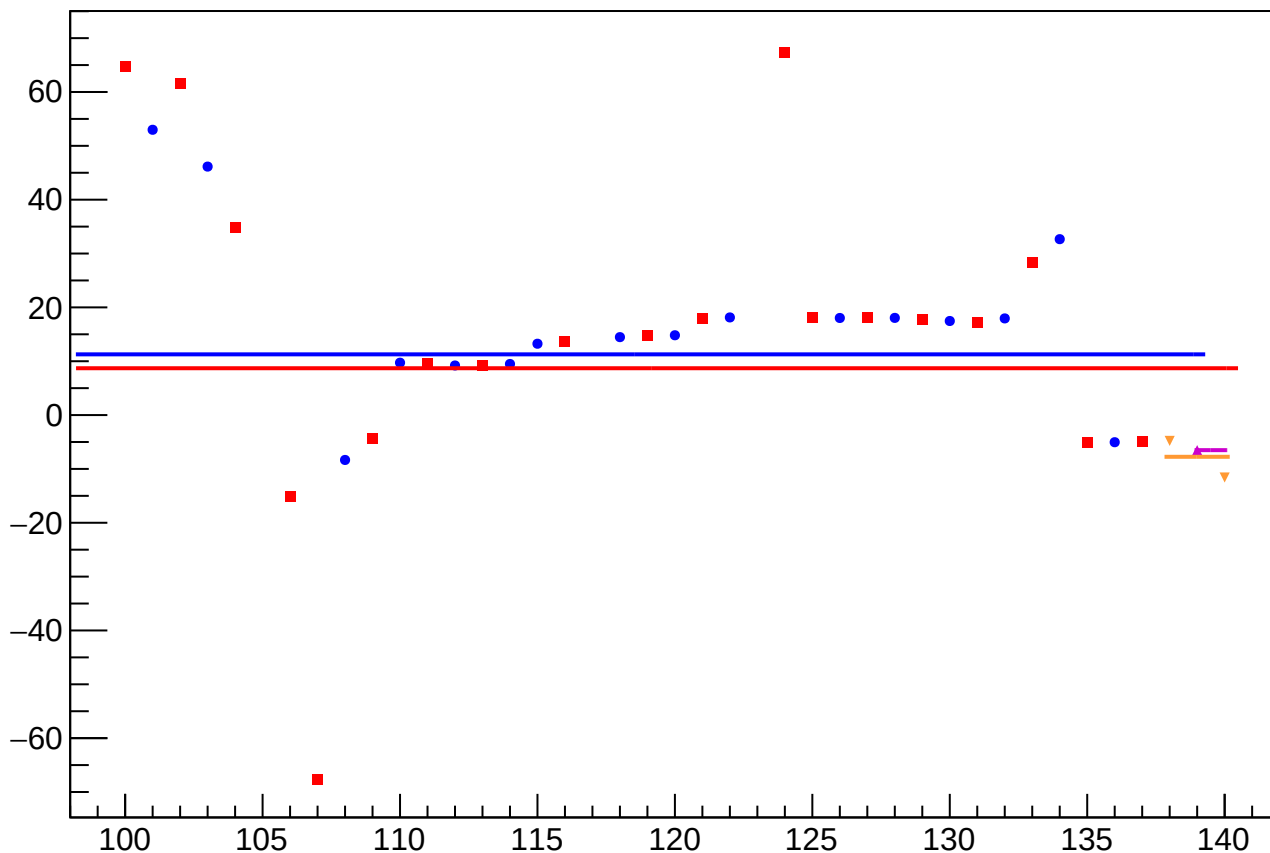
Left In: 7.583 ± 2.118 χ^2/NDF : 0.0/0

+ sign -8.323 ± 0.449 χ^2/NDF : 769.3/17

All: -9.240 ± 0.335 χ^2/NDF : 1520.6/37

- sign -10.384 ± 0.501 χ^2/NDF : 741.9/19

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277 $\pm$ 0.030 χ^2 /NDF: 349346.9/15

Left Out: -7.749 $\pm$ 0.039 χ^2 /NDF: 7587.5/1

Right Out: 8.698 $\pm$ 0.031 χ^2 /NDF: 436156.0/18

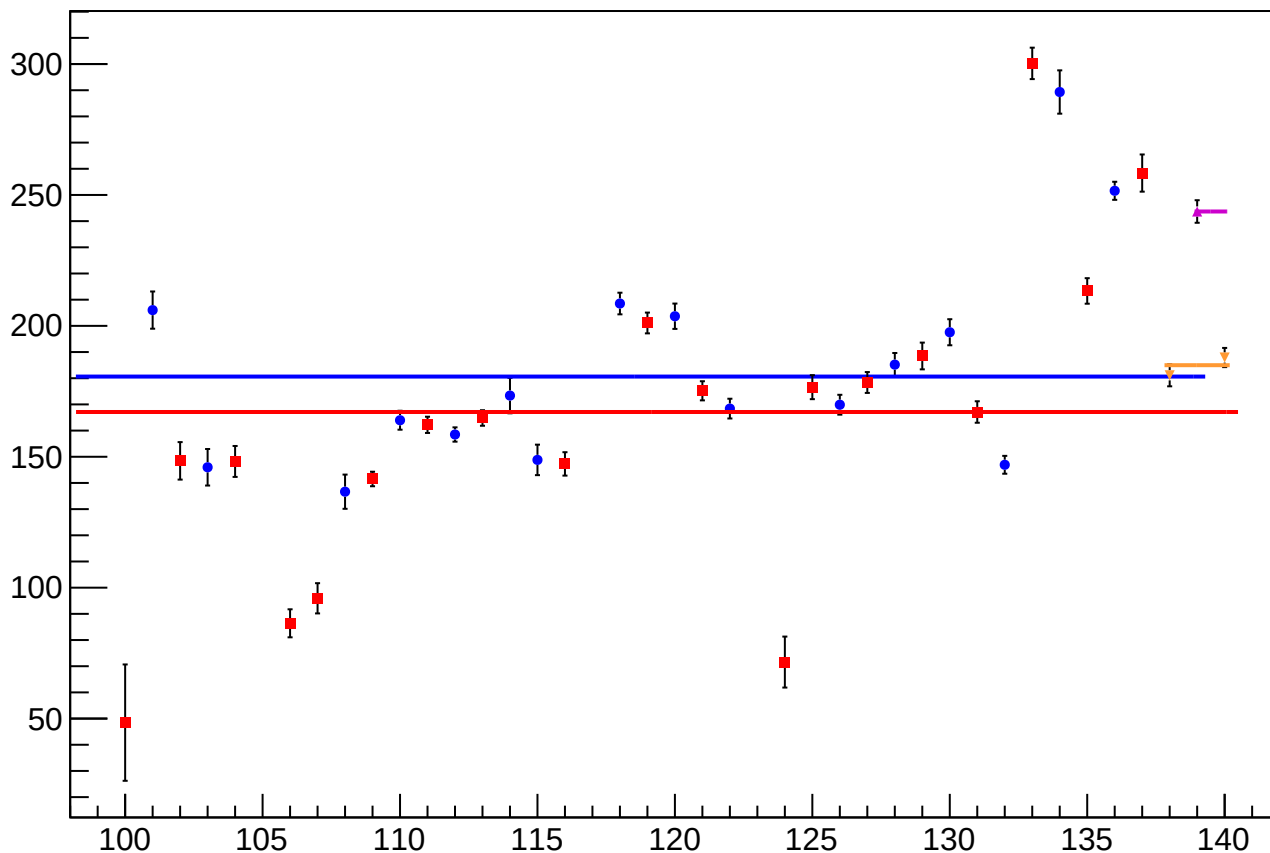
Left In: -6.514 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 4.156 $\pm$ 0.024 χ^2 /NDF: 508261.8/17

All: 3.992 $\pm$ 0.017 χ^2 /NDF: 1020045.0/37

- sign 3.796 $\pm$ 0.026 χ^2 /NDF: 511678.2/19

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2 /NDF: 993.4/15

Left Out: 184.978 $\pm$ 2.763 χ^2 /NDF: 1.5/1

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

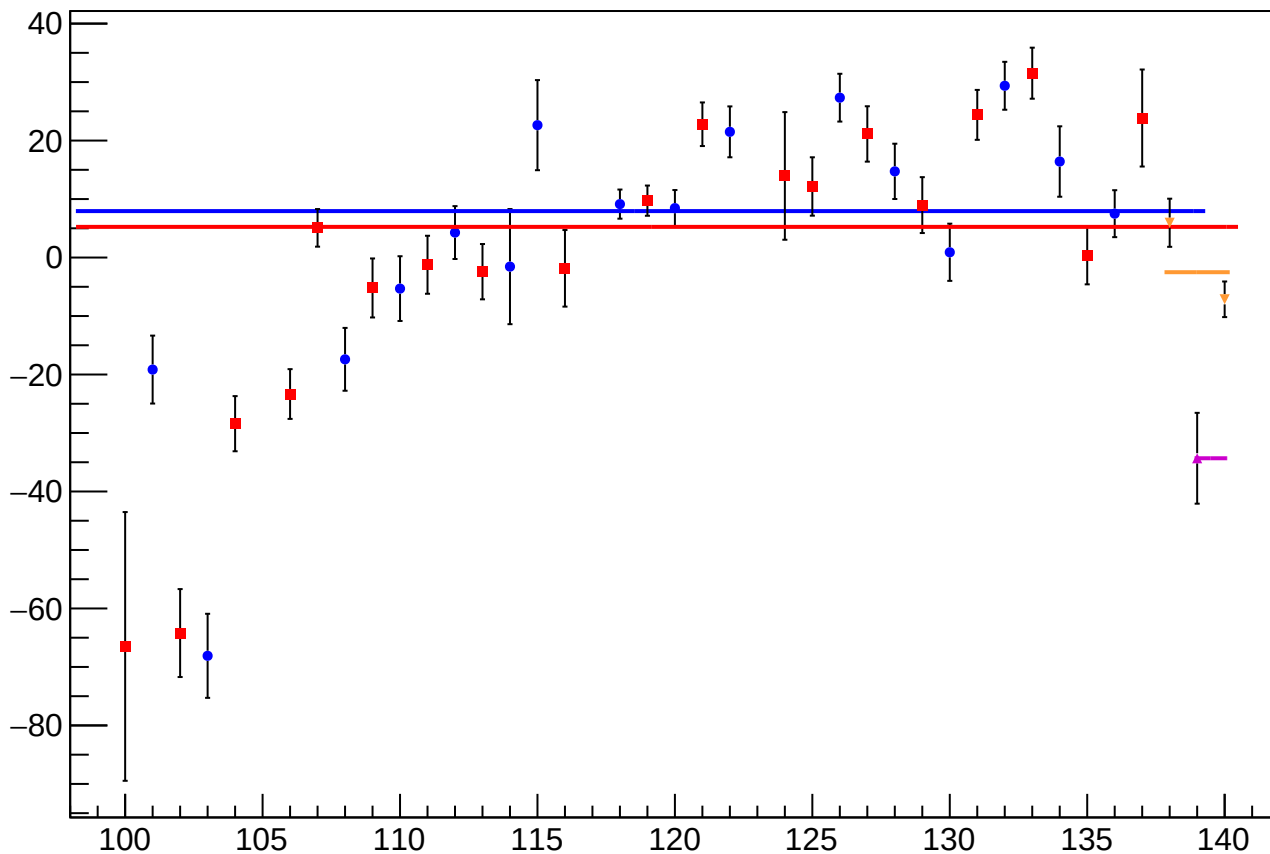
Left In: 243.683 $\pm$ 4.310 χ^2 /NDF: 0.0/0

+ sign 181.219 $\pm$ 1.014 χ^2 /NDF: 997.0/17

All: 176.092 $\pm$ 0.709 χ^2 /NDF: 2830.7/37

- sign 171.169 $\pm$ 0.993 χ^2 /NDF: 1783.5/19

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.506 ± 2.448 χ^2/NDF : 6.5/1

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

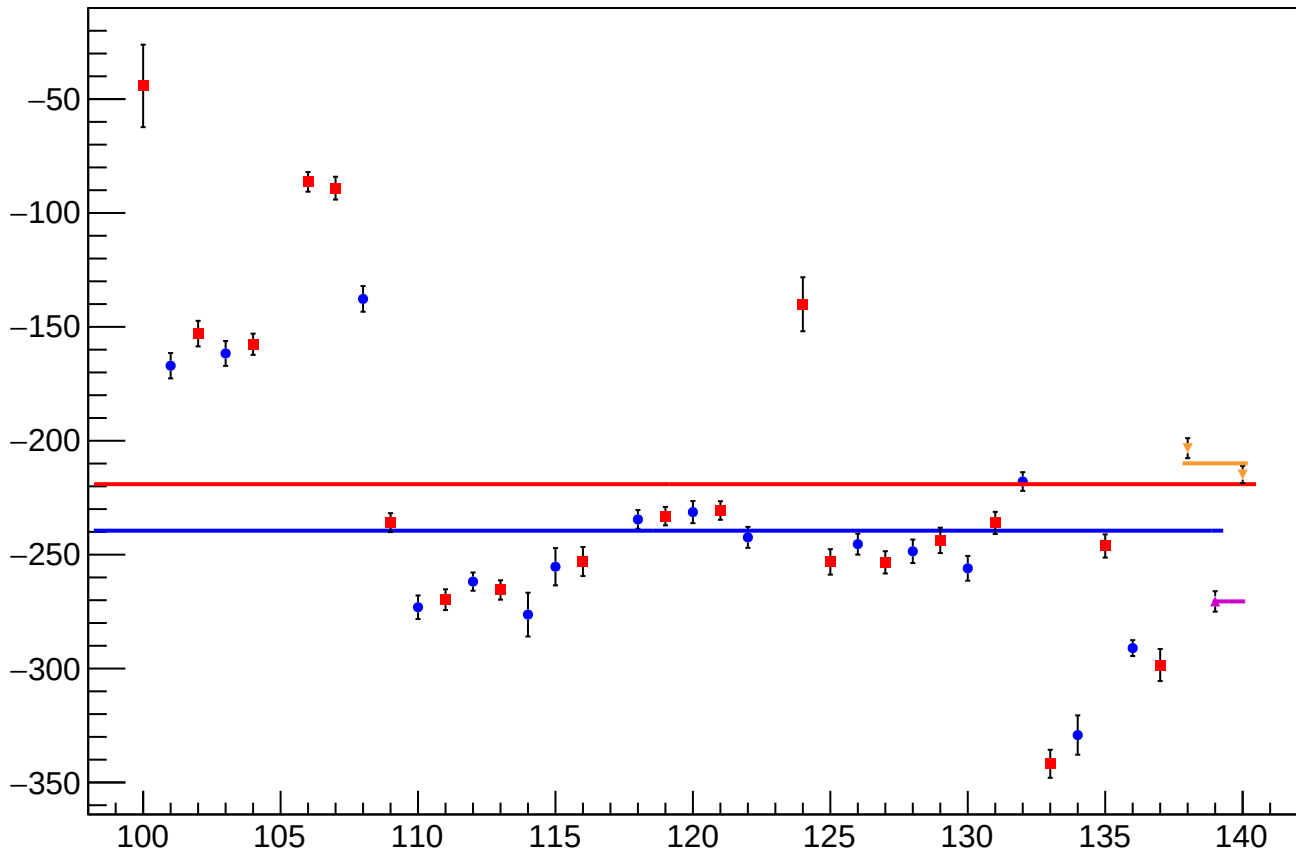
Left In: -34.319 ± 7.765 χ^2/NDF : 0.0/0

+ sign 6.151 ± 1.013 χ^2/NDF : 254.5/17

All: 5.365 ± 0.730 χ^2/NDF : 584.2/37

- sign 4.518 ± 1.052 χ^2/NDF : 328.4/19

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF : 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF : 4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF : 3049.3/18

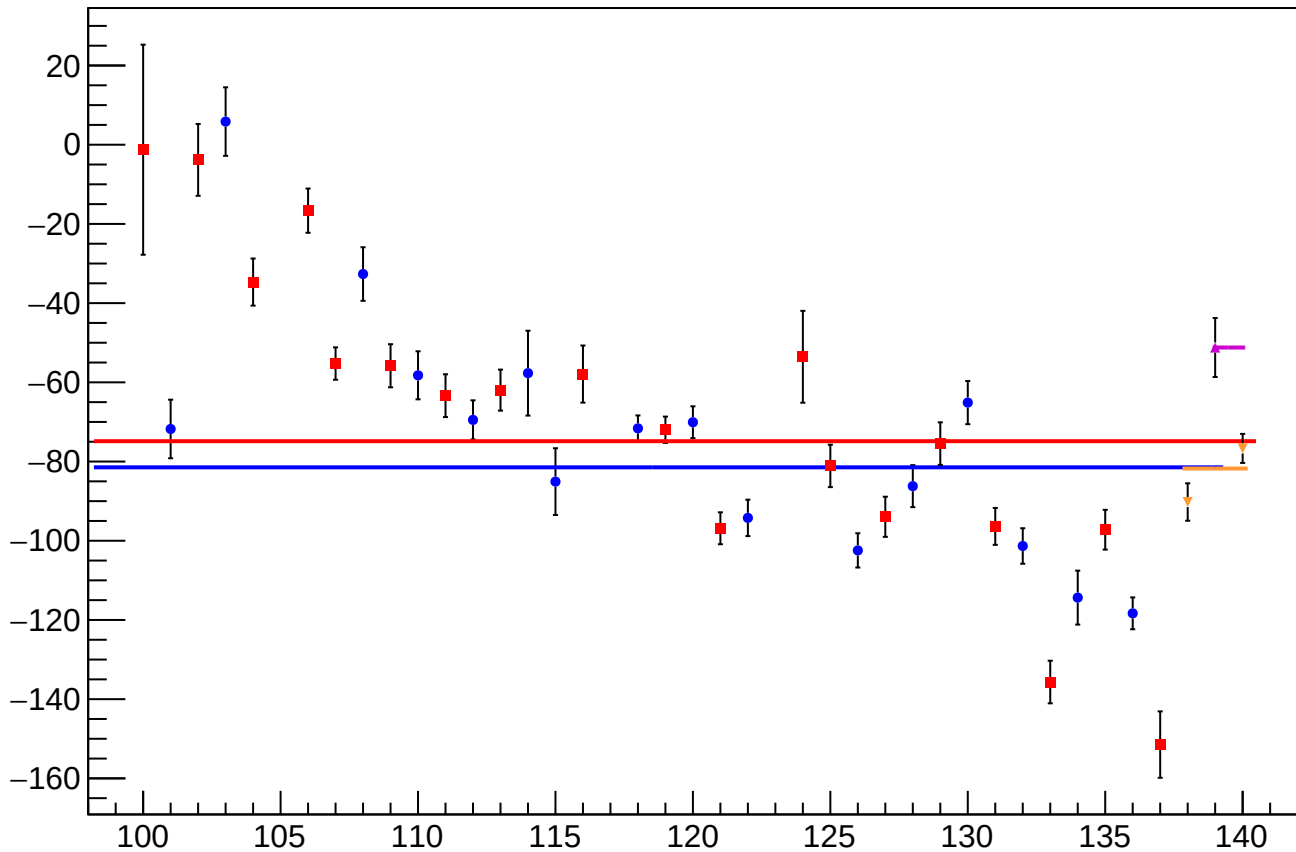
Left In: -270.522+/-4.493 χ^2/NDF : 0.0/0

+ sign -234.754+/-1.142 χ^2/NDF : 1256.1/17

All: -228.534+/-0.806 χ^2/NDF : 4487.4/37

- sign -222.355+/-1.138 χ^2/NDF : 3172.1/19

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462 ± 1.287 χ^2/NDF : 366.5/15

Left Out: -81.762 ± 2.895 χ^2/NDF : 5.1/1

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

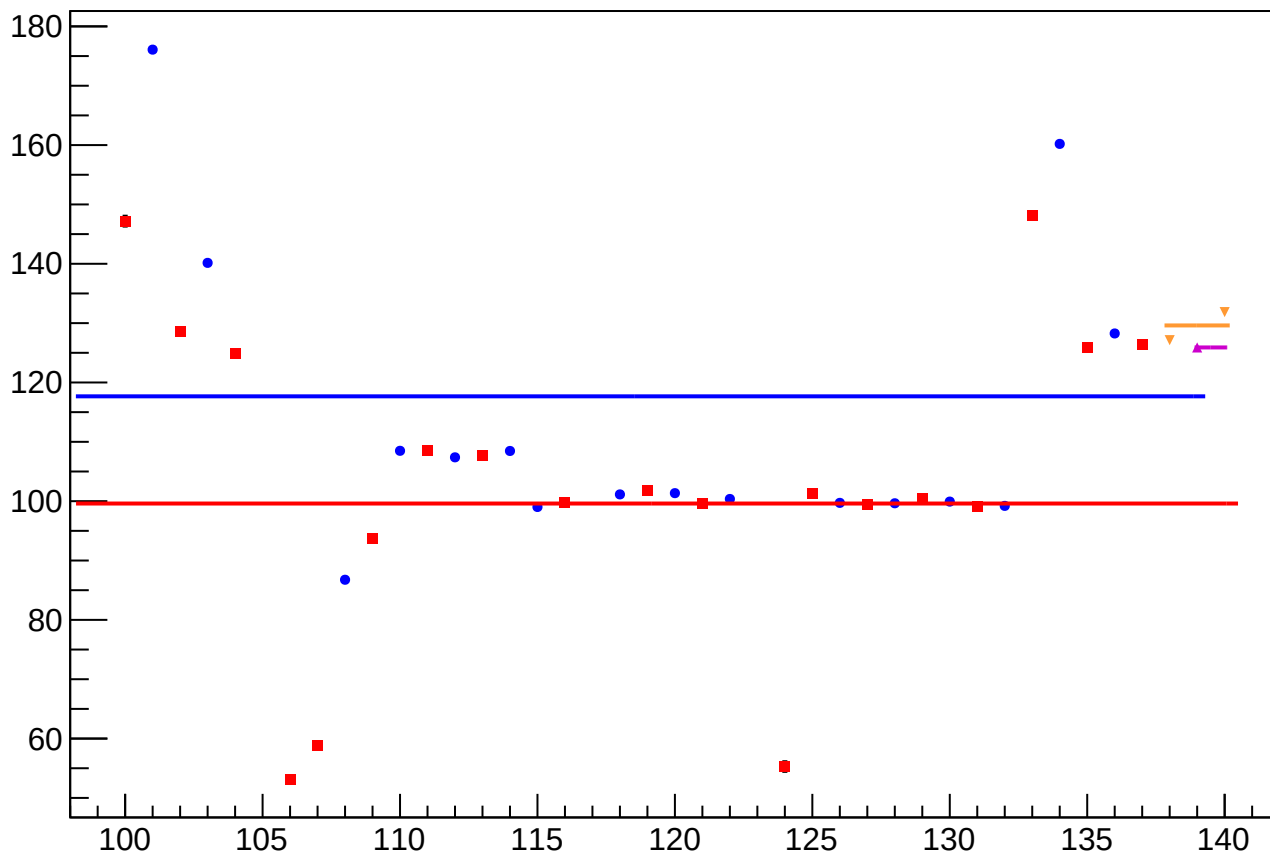
Left In: -51.209 ± 7.446 χ^2/NDF : 0.0/0

+ sign -81.511 ± 1.176 χ^2/NDF : 371.6/17

All: -77.987 ± 0.845 χ^2/NDF : 976.6/37

- sign -74.233 ± 1.214 χ^2/NDF : 586.4/19

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 129.612 $\pm$ 0.122 χ^2 /NDF: 376.1/1

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

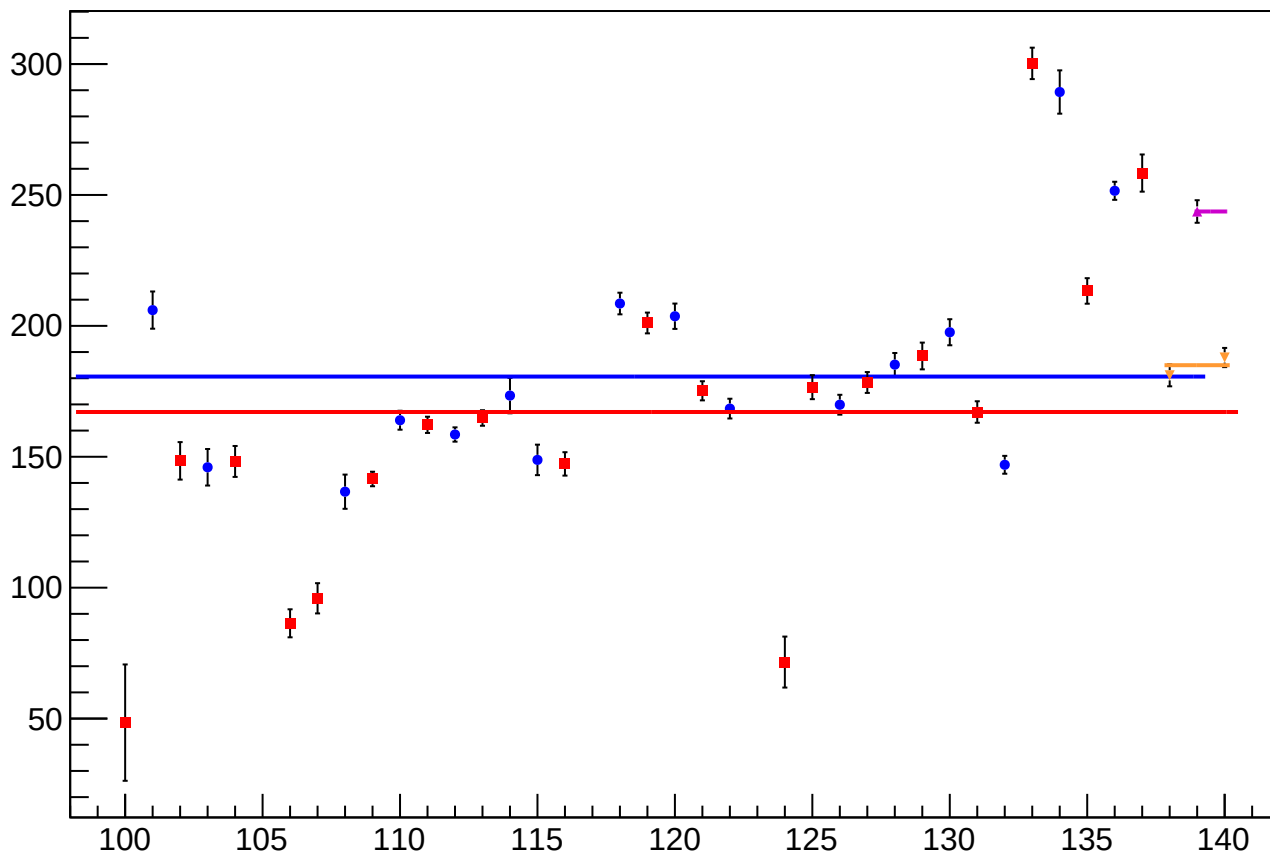
Left In: 125.902 $\pm$ 0.160 χ^2 /NDF: 0.0/0

+ sign 121.156 $\pm$ 0.066 χ^2 /NDF: 102582.3/17

All: 112.306 $\pm$ 0.046 χ^2 /NDF: 326712.8/37

- sign 103.840 $\pm$ 0.064 χ^2 /NDF: 188775.8/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2 /NDF: 993.4/15

Left Out: 184.978 $\pm$ 2.763 χ^2 /NDF: 1.5/1

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

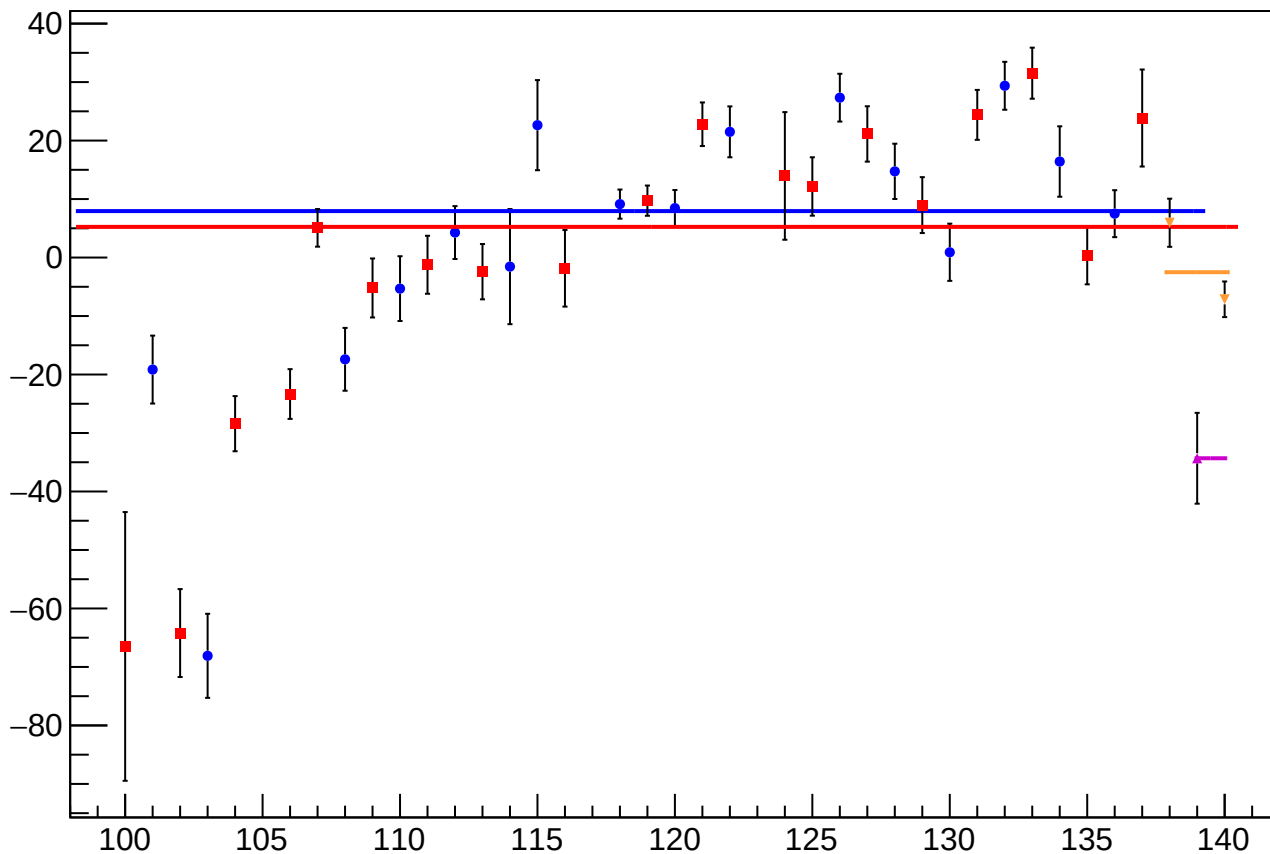
Left In: 243.683 $\pm$ 4.310 χ^2 /NDF: 0.0/0

+ sign 181.219 $\pm$ 1.014 χ^2 /NDF: 997.0/17

All: 176.092 $\pm$ 0.709 χ^2 /NDF: 2830.7/37

- sign 171.169 $\pm$ 0.993 χ^2 /NDF: 1783.5/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.506 ± 2.448 χ^2/NDF : 6.5/1

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

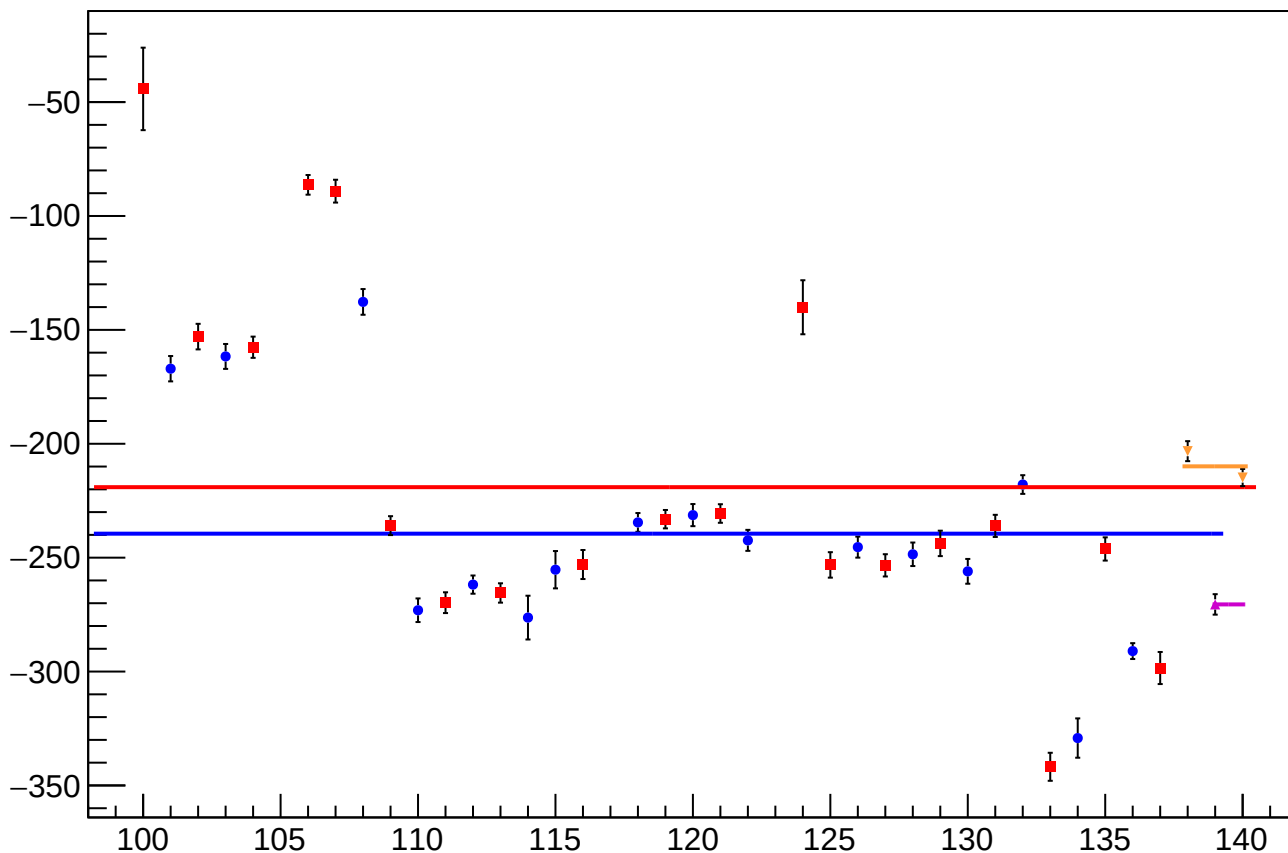
Left In: -34.319 ± 7.765 χ^2/NDF : 0.0/0

+ sign 6.151 ± 1.013 χ^2/NDF : 254.5/17

All: 5.365 ± 0.730 χ^2/NDF : 584.2/37

- sign 4.518 ± 1.052 χ^2/NDF : 328.4/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF : 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF : 4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF : 3049.3/18

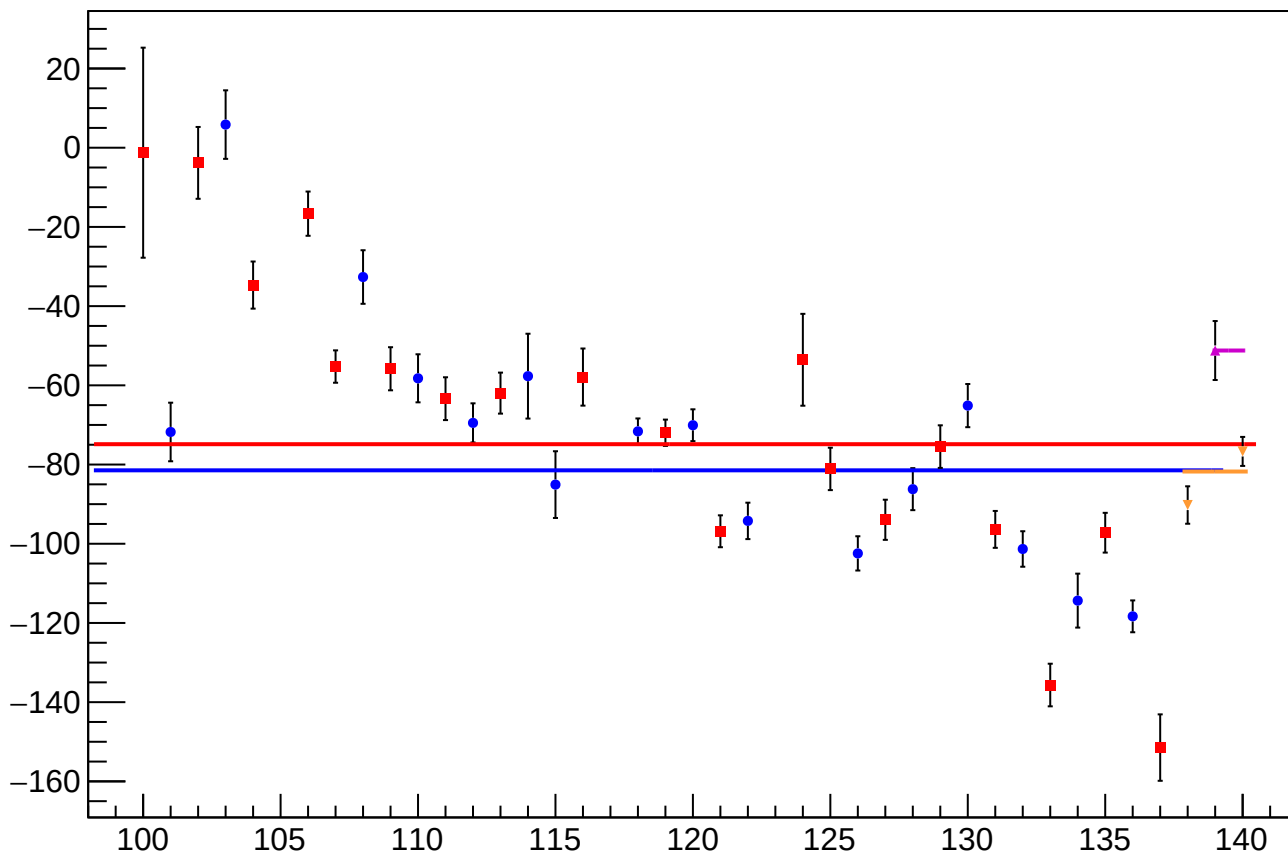
Left In: -270.522+/-4.493 χ^2/NDF : 0.0/0

+ sign -234.754+/-1.142 χ^2/NDF : 1256.1/17

All: -228.534+/-0.806 χ^2/NDF : 4487.4/37

- sign -222.355+/-1.138 χ^2/NDF : 3172.1/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462 ± 1.287 χ^2/NDF : 366.5/15

Left Out: -81.762 ± 2.895 χ^2/NDF : 5.1/1

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

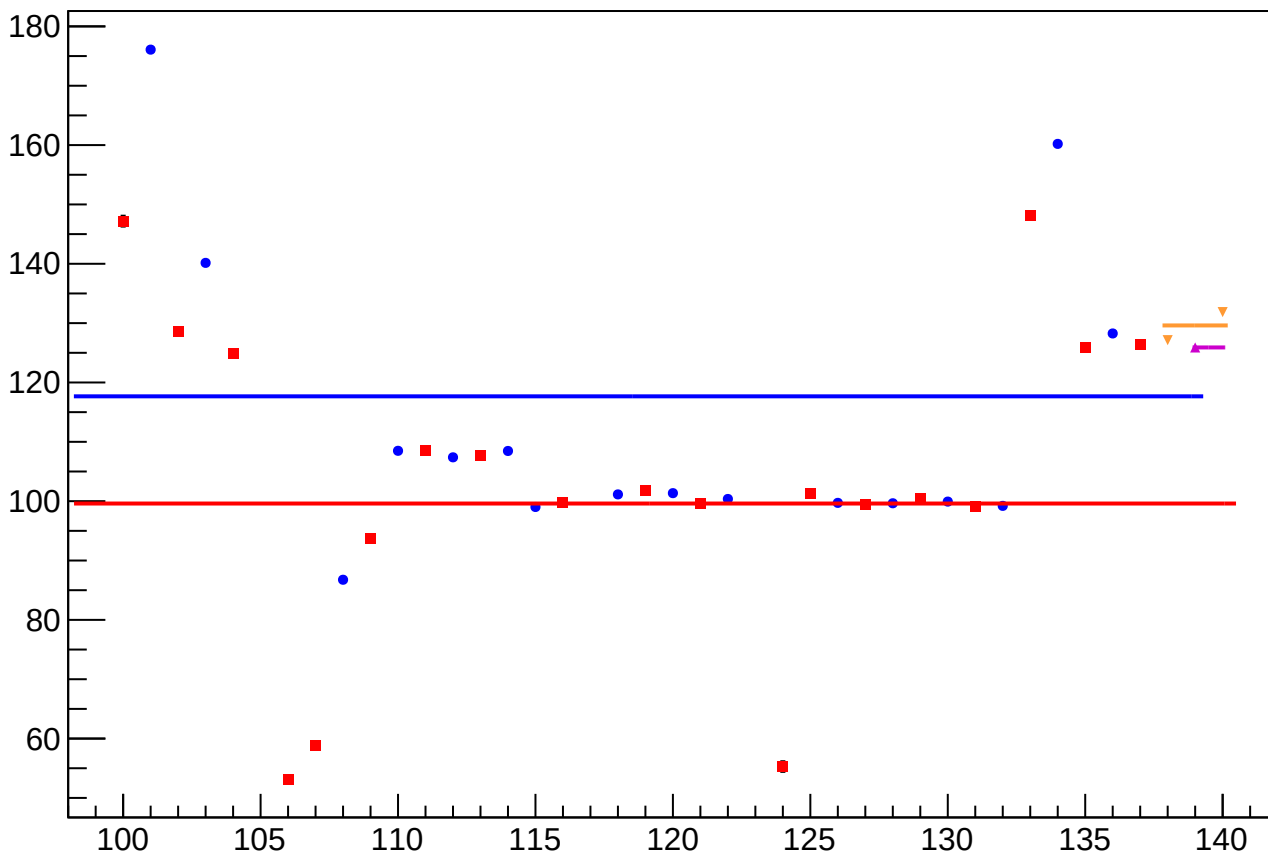
Left In: -51.209 ± 7.446 χ^2/NDF : 0.0/0

+ sign -81.511 ± 1.176 χ^2/NDF : 371.6/17

All: -77.987 ± 0.845 χ^2/NDF : 976.6/37

- sign -74.233 ± 1.214 χ^2/NDF : 586.4/19

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 129.612 $\pm$ 0.122 χ^2 /NDF:376.1/1

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

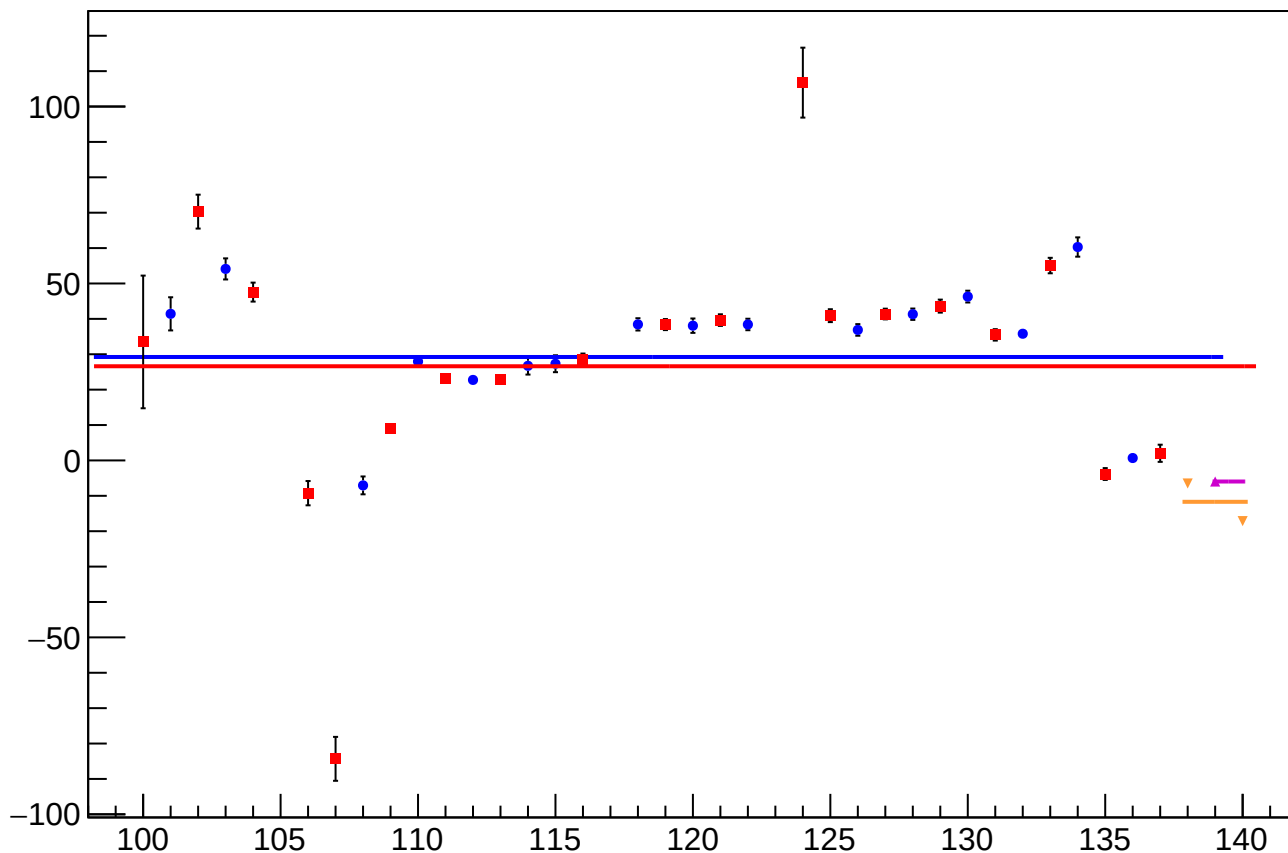
Left In: 125.902 $\pm$ 0.160 χ^2 /NDF:0.0/0

+ sign 121.156 $\pm$ 0.066 χ^2 /NDF: 102582.3/17

All: 112.306 $\pm$ 0.046 χ^2 /NDF: 326712.8/37

- sign 103.840 $\pm$ 0.064 χ^2 /NDF: 188775.8/19

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF : 1342.9/15

Left Out: -11.694+/-0.899 χ^2/NDF : 34.9/1

Right Out: 26.609+/-0.414 χ^2/NDF : 1920.6/18

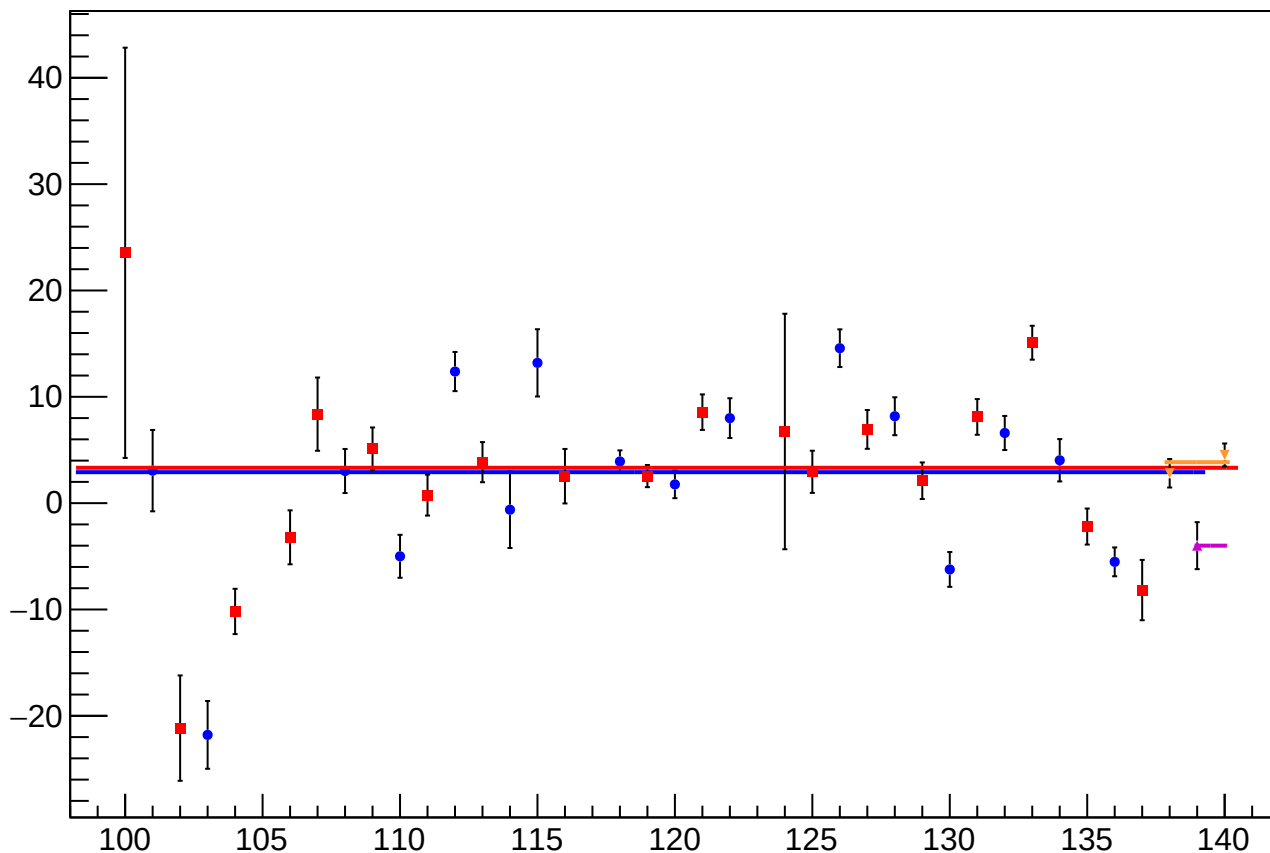
Left In: -5.958+/-1.226 χ^2/NDF : 0.0/0

+ sign 21.781+/-0.384 χ^2/NDF : 3071.1/17

All: 22.510+/-0.274 χ^2/NDF : 5632.9/37

- sign 23.272+/-0.392 χ^2/NDF : 2554.4/19

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.912 ± 0.442 χ^2/NDF : 250.0/15

Left Out: 3.852 ± 0.840 χ^2/NDF : 1.0/1

Right Out: 3.326 ± 0.454 χ^2/NDF : 181.8/18

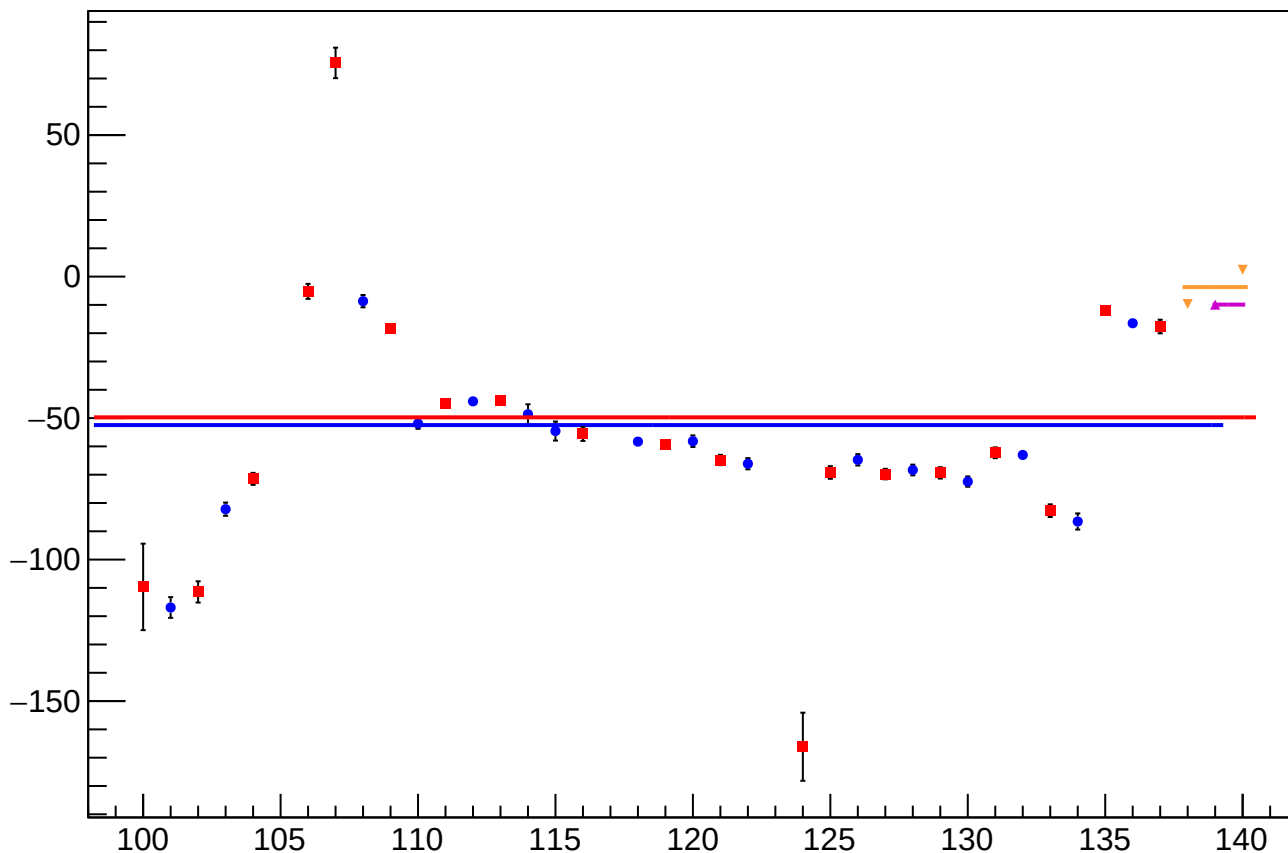
Left In: -3.998 ± 2.209 χ^2/NDF : 0.0/0

+ sign 3.116 ± 0.391 χ^2/NDF : 251.9/17

All: 3.078 ± 0.294 χ^2/NDF : 444.3/37

- sign 3.030 ± 0.444 χ^2/NDF : 192.3/19

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -52.467 ± 0.488 $\chi^2/\text{NDF}: 2330.2/15$

Left Out: -3.713 ± 0.932 $\chi^2/\text{NDF}: 42.0/1$

Right Out: -49.734 ± 0.494 $\chi^2/\text{NDF}: 3009.7/18$

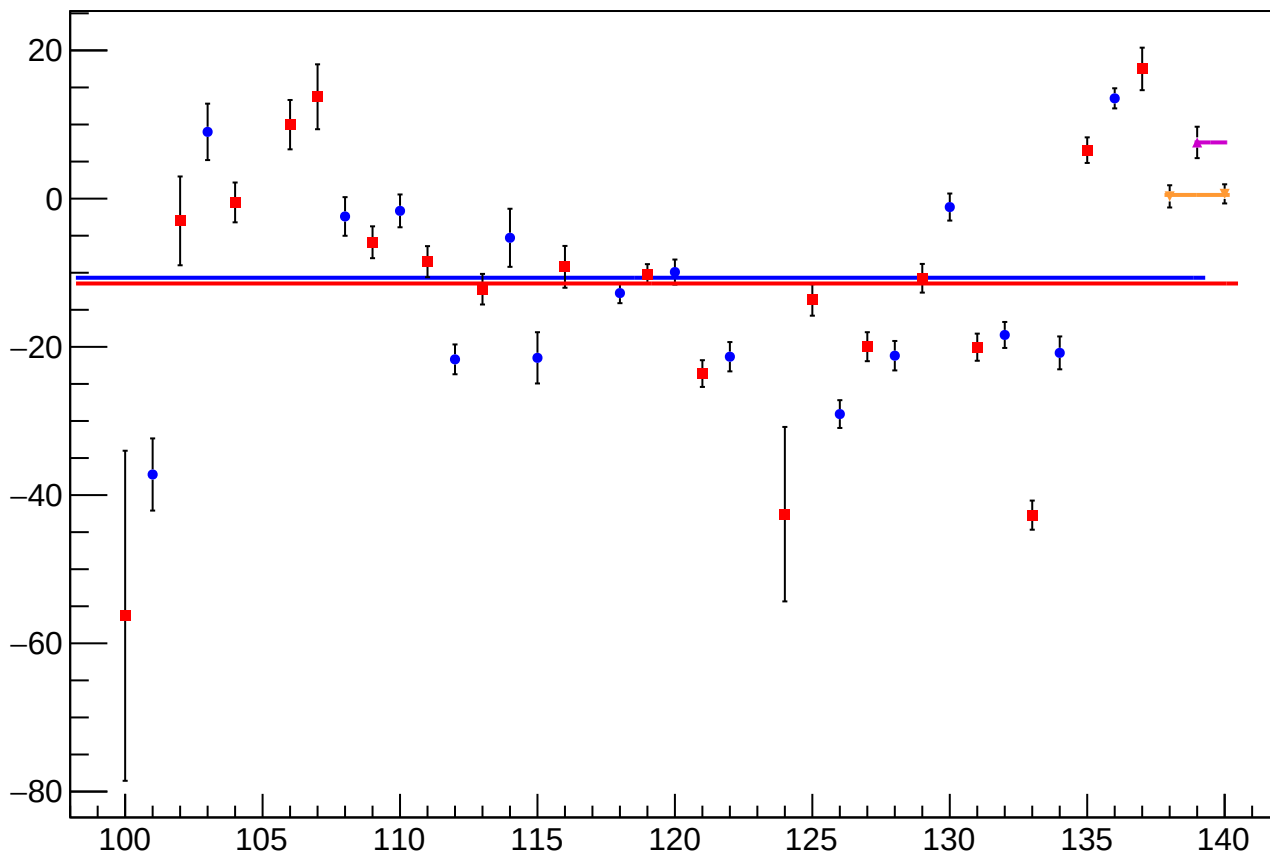
Left In: -9.901 ± 1.277 $\chi^2/\text{NDF}: 0.0/0$

+ sign -41.989 ± 0.432 $\chi^2/\text{NDF}: 4519.3/17$

All: -43.188 ± 0.315 $\chi^2/\text{NDF}: 8391.3/37$

- sign -44.550 ± 0.461 $\chi^2/\text{NDF}: 3855.6/19$

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -10.675 ± 0.505 χ^2/NDF : 666.4/15

Left Out: 0.499 ± 0.979 χ^2/NDF : 0.0/1

Right Out: -11.450 ± 0.516 χ^2/NDF : 665.7/18

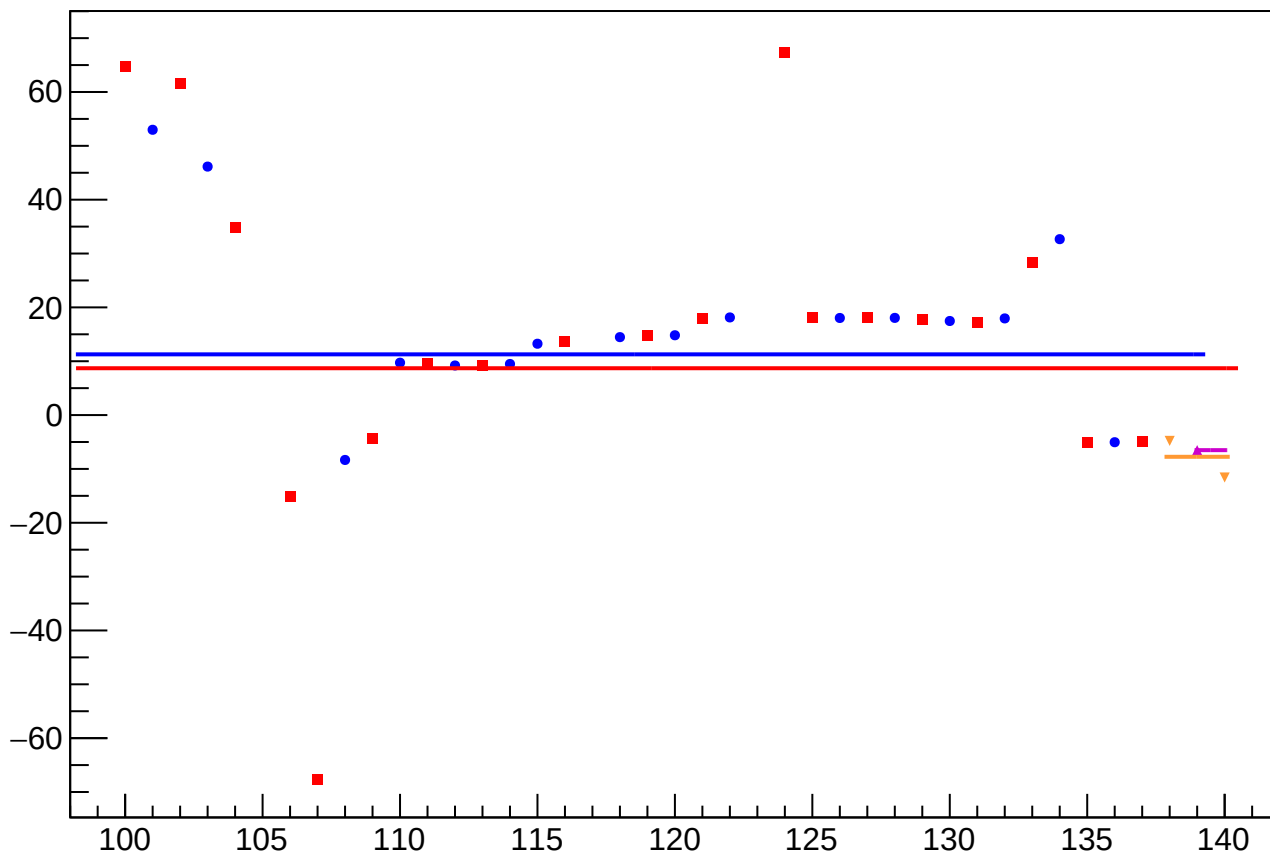
Left In: 7.583 ± 2.118 χ^2/NDF : 0.0/0

+ sign -8.323 ± 0.449 χ^2/NDF : 769.3/17

All: -9.240 ± 0.335 χ^2/NDF : 1520.6/37

- sign -10.384 ± 0.501 χ^2/NDF : 741.9/19

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277 $\pm$ 0.030 χ^2 /NDF: 349346.9/15

Left Out: -7.749 $\pm$ 0.039 χ^2 /NDF: 7587.5/1

Right Out: 8.698 $\pm$ 0.031 χ^2 /NDF: 436156.0/18

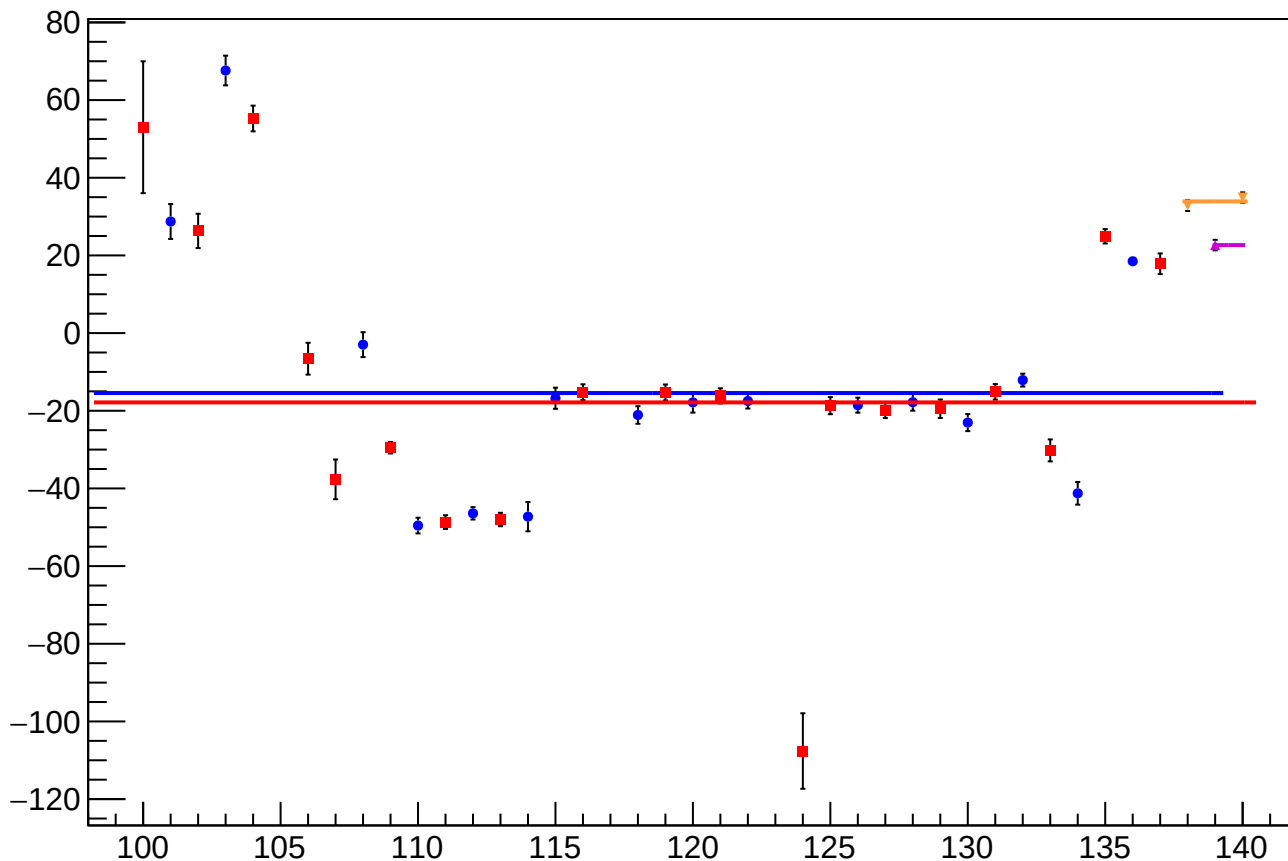
Left In: -6.514 $\pm$ 0.046 χ^2 /NDF: 0.0/0

+ sign 4.156 $\pm$ 0.024 χ^2 /NDF: 508261.8/17

All: 3.992 $\pm$ 0.017 χ^2 /NDF: 1020045.0/37

- sign 3.796 $\pm$ 0.026 χ^2 /NDF: 511678.2/19

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438 ± 0.539 χ^2/NDF : 2124.2/15

Left Out: 33.898 ± 0.963 χ^2/NDF : 1.1/1

Right Out: -17.848 ± 0.530 χ^2/NDF : 2125.2/18

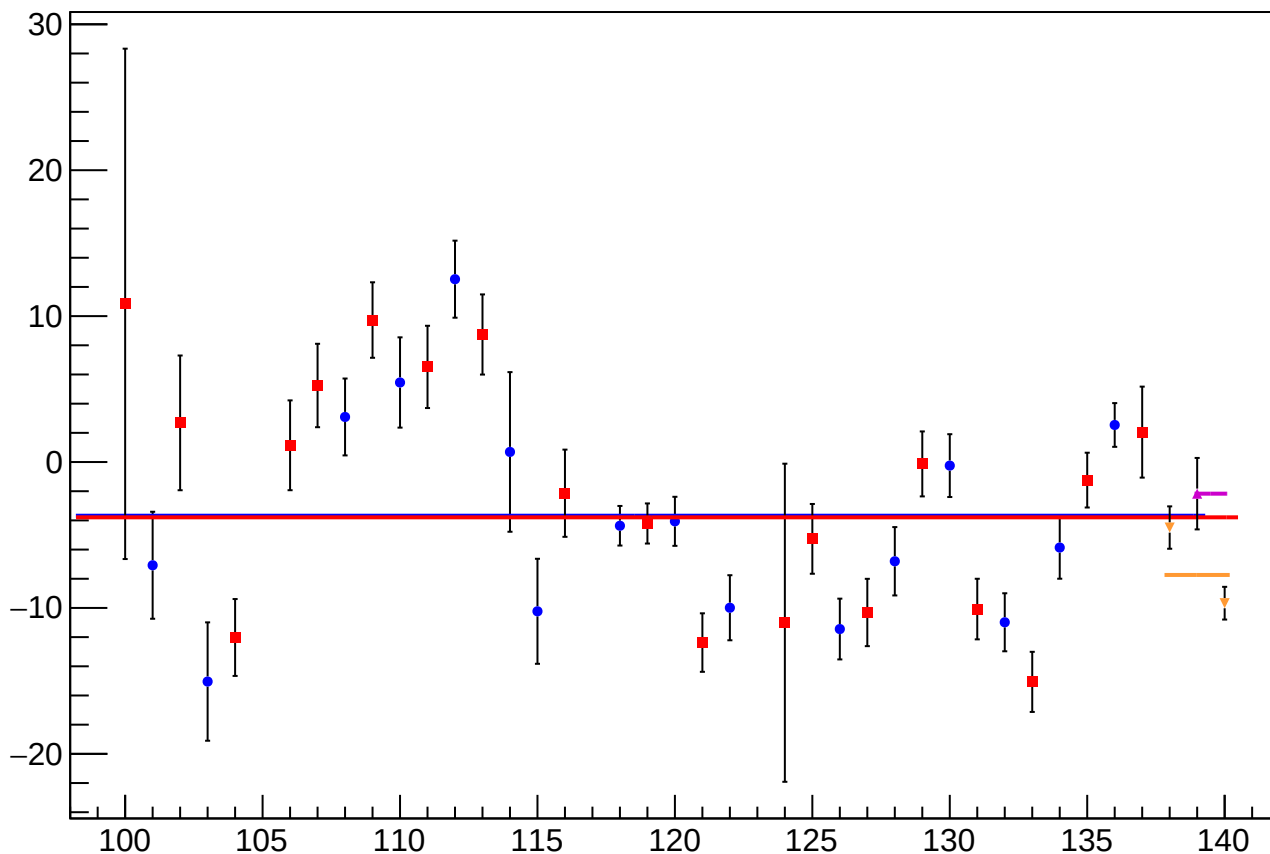
Left In: 22.656 ± 1.357 χ^2/NDF : 0.0/0

+ sign -3.677 ± 0.470 χ^2/NDF : 4122.3/17

All: -7.875 ± 0.340 χ^2/NDF : 7187.9/37

- sign -12.493 ± 0.493 χ^2/NDF : 2898.4/19

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.679 ± 0.552 χ^2/NDF : 124.0/15

Left Out: -7.739 ± 0.888 χ^2/NDF : 8.0/1

Right Out: -3.790 ± 0.564 χ^2/NDF : 161.2/18

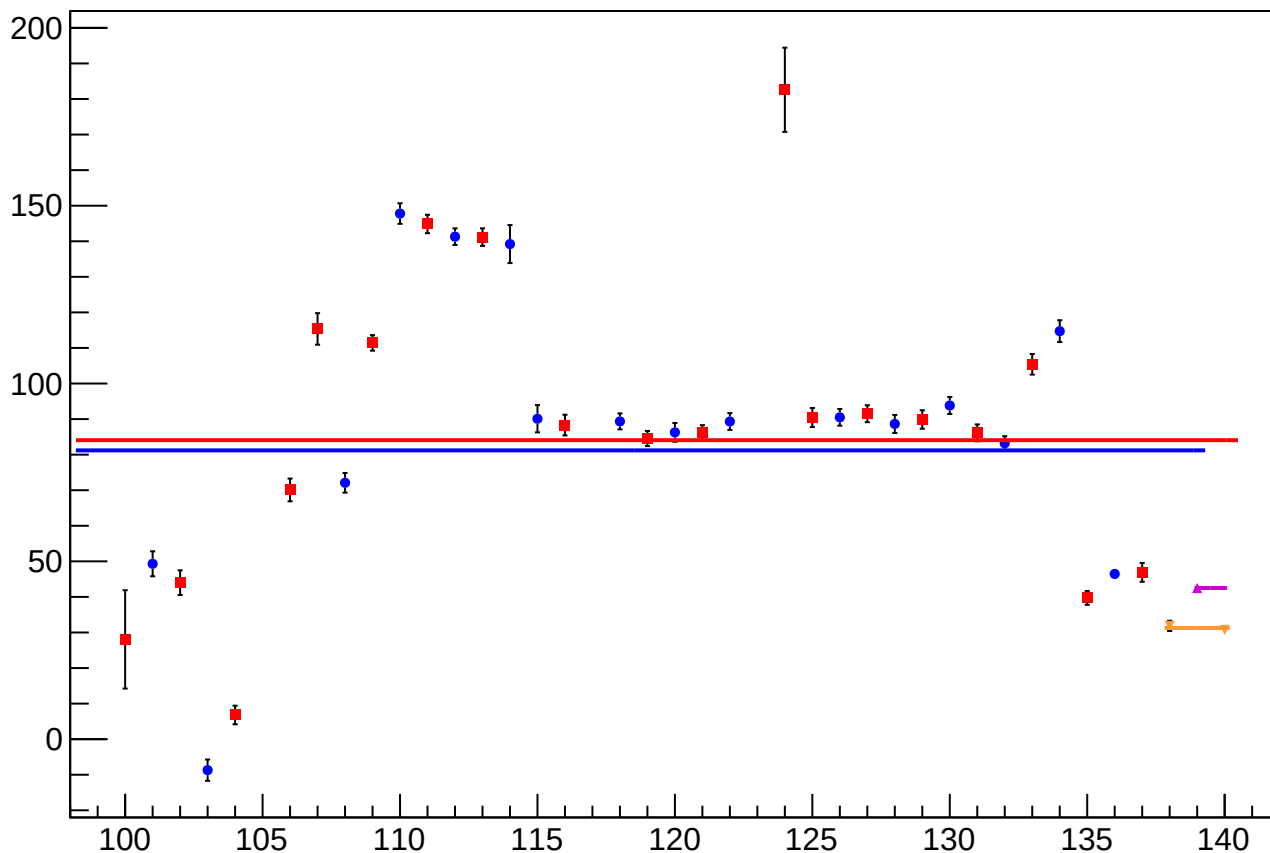
Left In: -2.168 ± 2.449 χ^2/NDF : 0.0/0

+ sign -4.812 ± 0.469 χ^2/NDF : 147.1/17

All: -4.347 ± 0.357 χ^2/NDF : 311.0/37

- sign -3.708 ± 0.549 χ^2/NDF : 161.6/19

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203 $\pm$ 0.607 χ^2 /NDF: 3230.5/15

Left Out: 31.259 $\pm$ 0.998 χ^2 /NDF: 0.3/1

Right Out: 84.065 $\pm$ 0.616 χ^2 /NDF: 3206.5/18

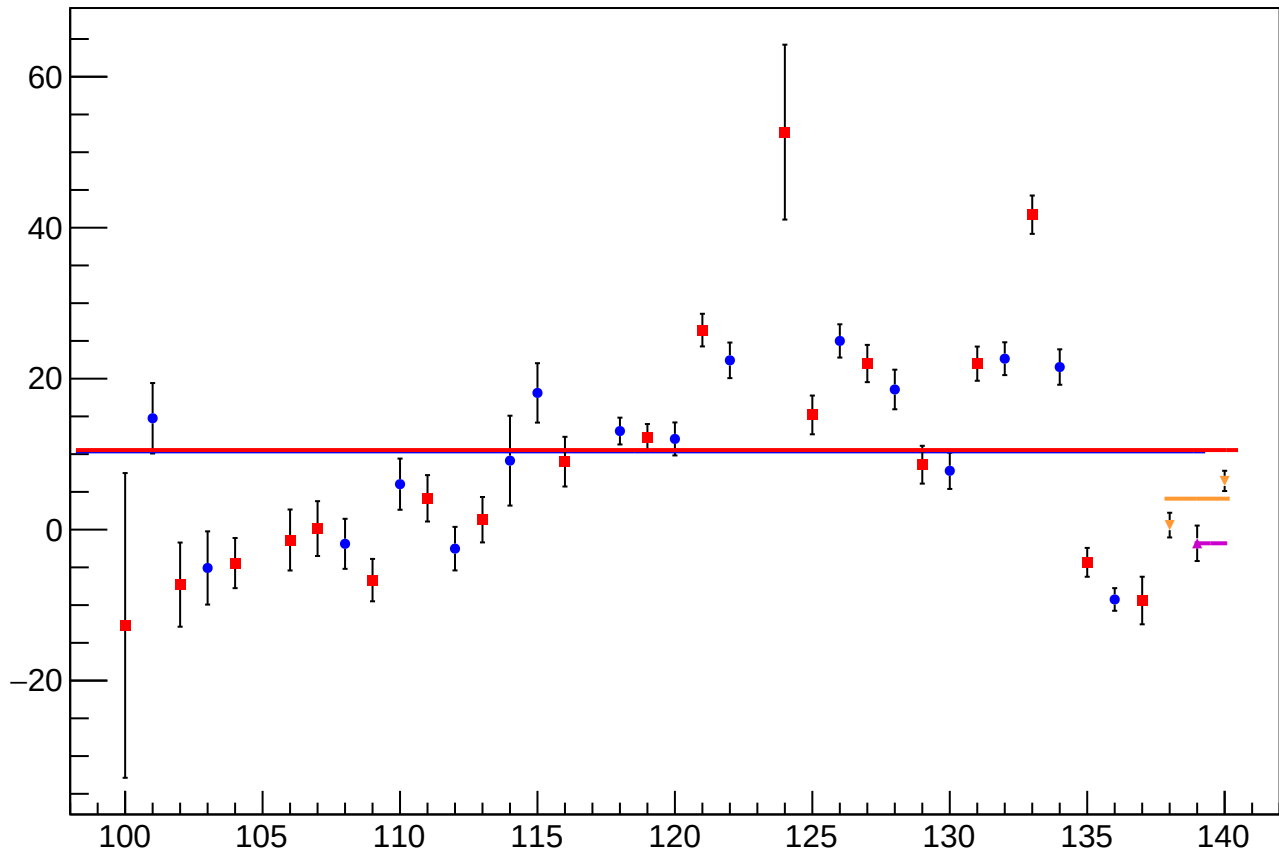
Left In: 42.505 $\pm$ 1.414 χ^2 /NDF: 0.0/0

+ sign 67.716 $\pm$ 0.519 χ^2 /NDF: 5058.6/17

All: 72.160 $\pm$ 0.382 χ^2 /NDF: 9151.5/37

- sign 77.432 $\pm$ 0.565 χ^2 /NDF: 3932.4/19

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 10.367 $\pm$ 0.627 χ^2 /NDF: 359.8/15

Left Out: 4.100 $\pm$ 1.038 χ^2 /NDF: 7.7/1

Right Out: 10.539 $\pm$ 0.640 χ^2 /NDF: 470.7/18

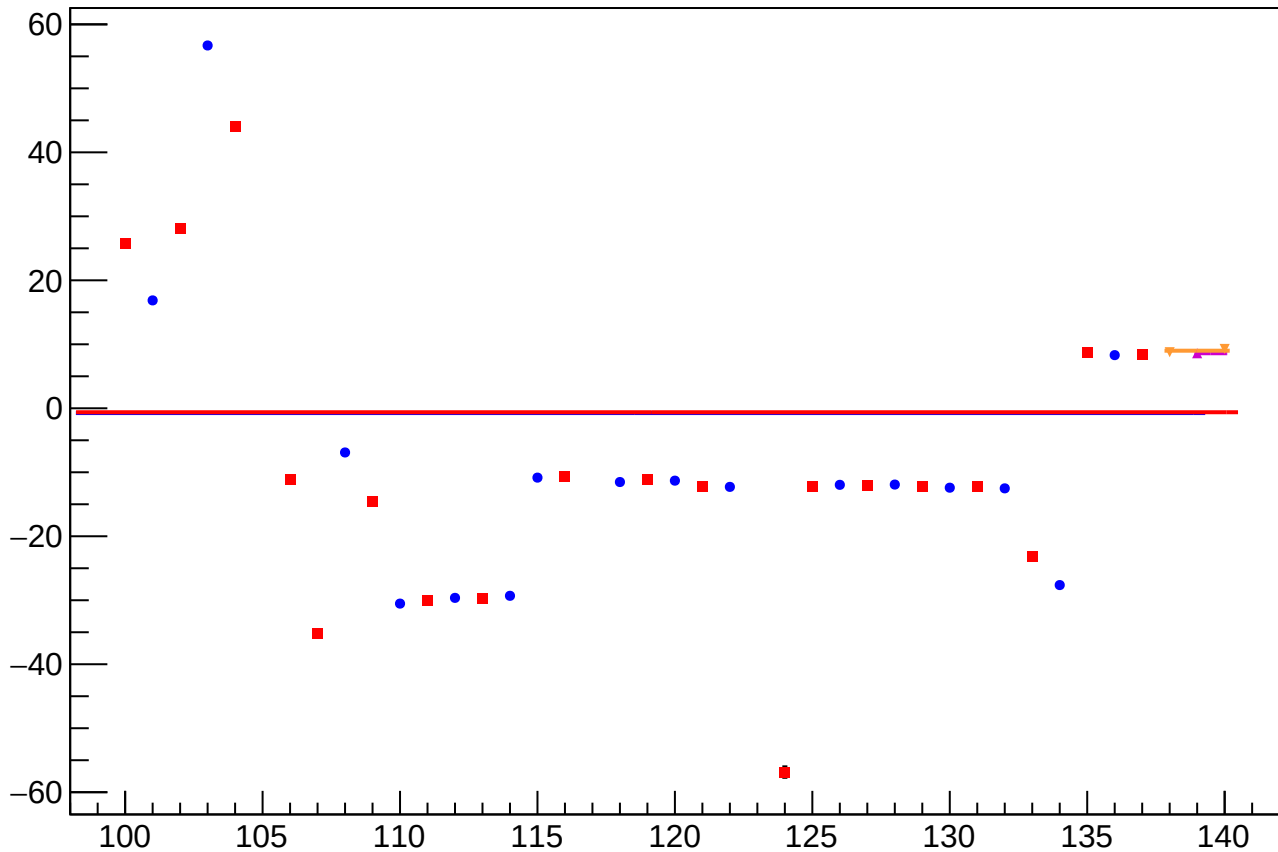
Left In: -1.811 $\pm$ 2.348 χ^2 /NDF: 0.0/0

+ sign 8.693 $\pm$ 0.536 χ^2 /NDF: 394.2/17

All: 9.119 $\pm$ 0.405 χ^2 /NDF: 892.1/37

- sign 9.685 $\pm$ 0.618 χ^2 /NDF: 496.5/19

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug



Right In: -0.745 ± 0.036 χ^2/NDF : 367993.9/15

Left Out: 9.000 ± 0.042 χ^2/NDF : 37.6/1

Right Out: -0.618 ± 0.037 χ^2/NDF : 316492.6/18

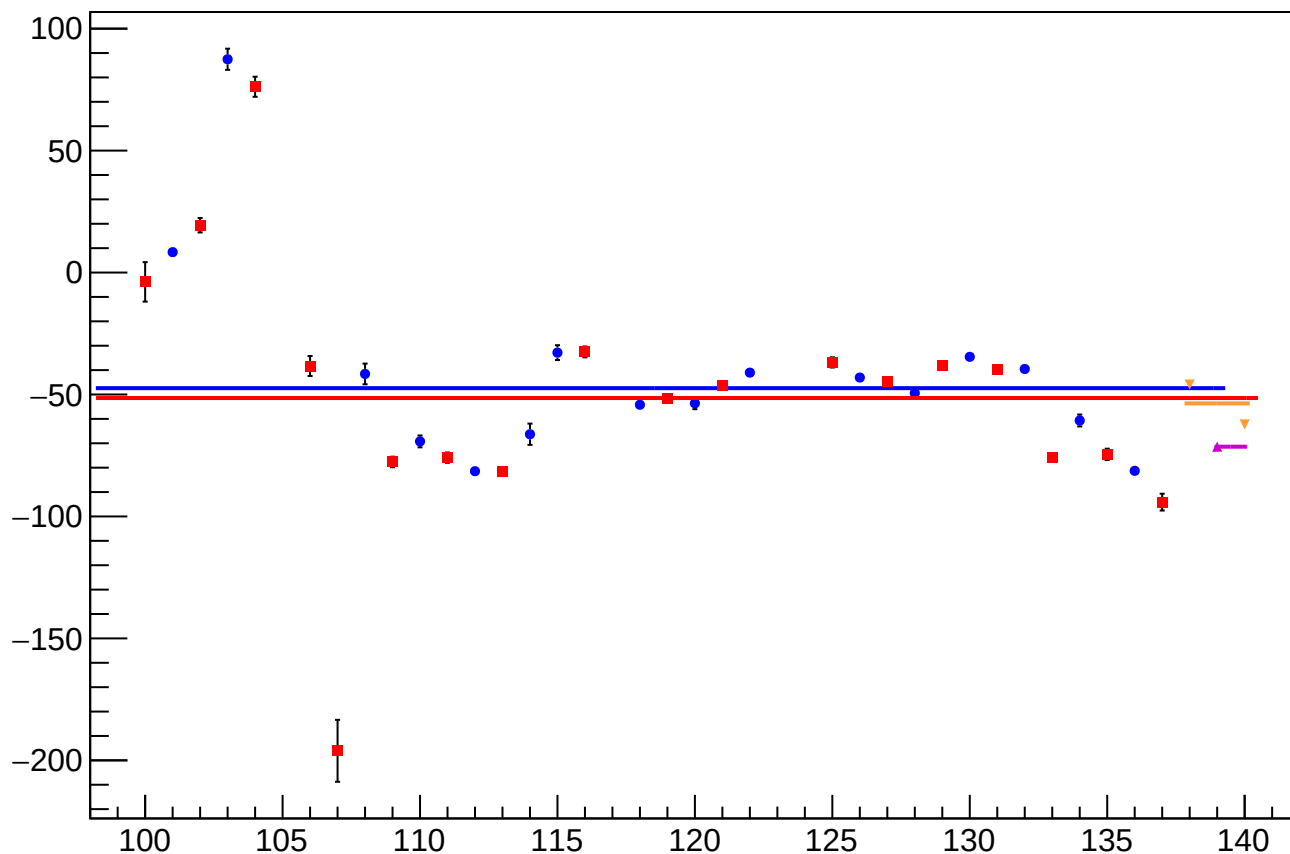
Left In: 8.603 ± 0.050 χ^2/NDF : 0.0/0

+ sign 3.404 ± 0.027 χ^2/NDF : 399439.4/17

All: 3.060 ± 0.020 χ^2/NDF : 737848.7/37

- sign 2.641 ± 0.030 χ^2/NDF : 338054.0/19

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398 ± 0.535 $\chi^2/\text{NDF}: 2769.0/15$

Left Out: -53.651 ± 1.289 $\chi^2/\text{NDF}: 40.1/1$

Right Out: -51.442 ± 0.545 $\chi^2/\text{NDF}: 2872.7/17$

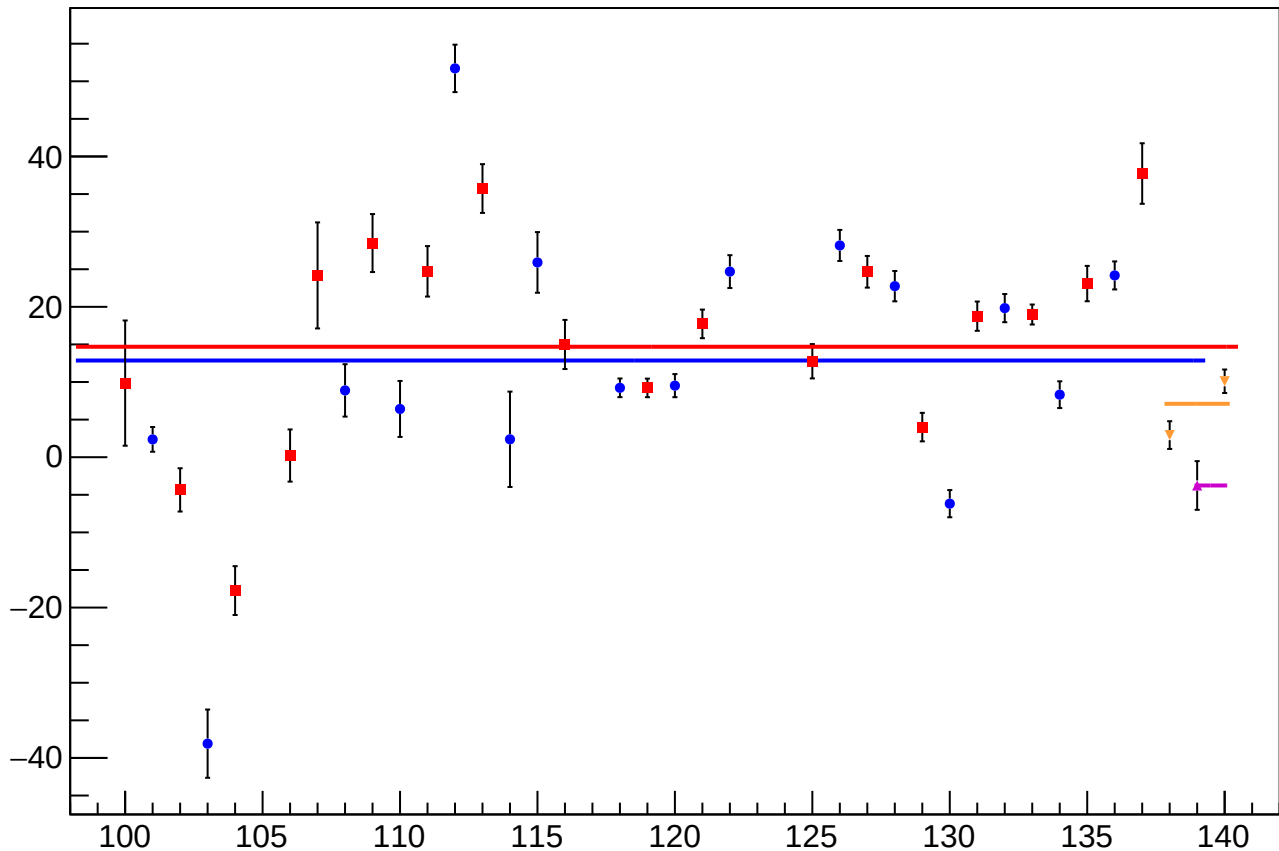
Left In: -71.401 ± 1.808 $\chi^2/\text{NDF}: 0.0/0$

+ sign -48.317 ± 0.494 $\chi^2/\text{NDF}: 2829.2/17$

All: -50.581 ± 0.359 $\chi^2/\text{NDF}: 5858.1/36$

- sign -53.106 ± 0.522 $\chi^2/\text{NDF}: 2984.5/18$

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860 $\pm$ 0.519 χ^2 /NDF: 625.5/15

Left Out: 7.103 $\pm$ 1.192 χ^2 /NDF: 8.8/1

Right Out: 14.691 $\pm$ 0.544 χ^2 /NDF: 364.1/17

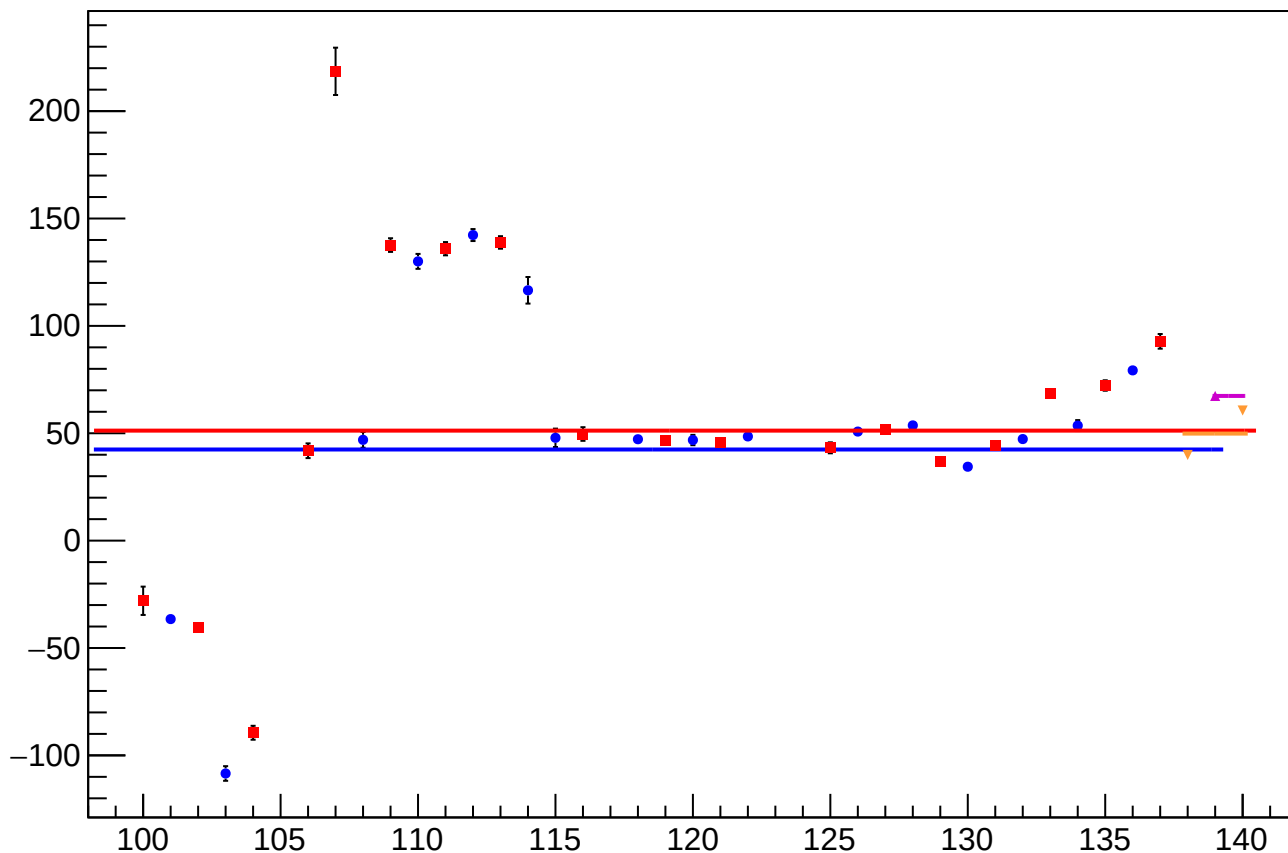
Left In: -3.761 $\pm$ 3.239 χ^2 /NDF: 0.0/0

+ sign 11.944 $\pm$ 0.476 χ^2 /NDF: 653.9/17

All: 12.929 $\pm$ 0.356 χ^2 /NDF: 1059.3/36

- sign 14.184 $\pm$ 0.537 χ^2 /NDF: 395.7/18

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437 ± 0.584 χ^2/NDF : 7168.9/15

Left Out: 49.839 ± 1.336 χ^2/NDF : 60.0/1

Right Out: 51.226 ± 0.615 χ^2/NDF : 6611.3/17

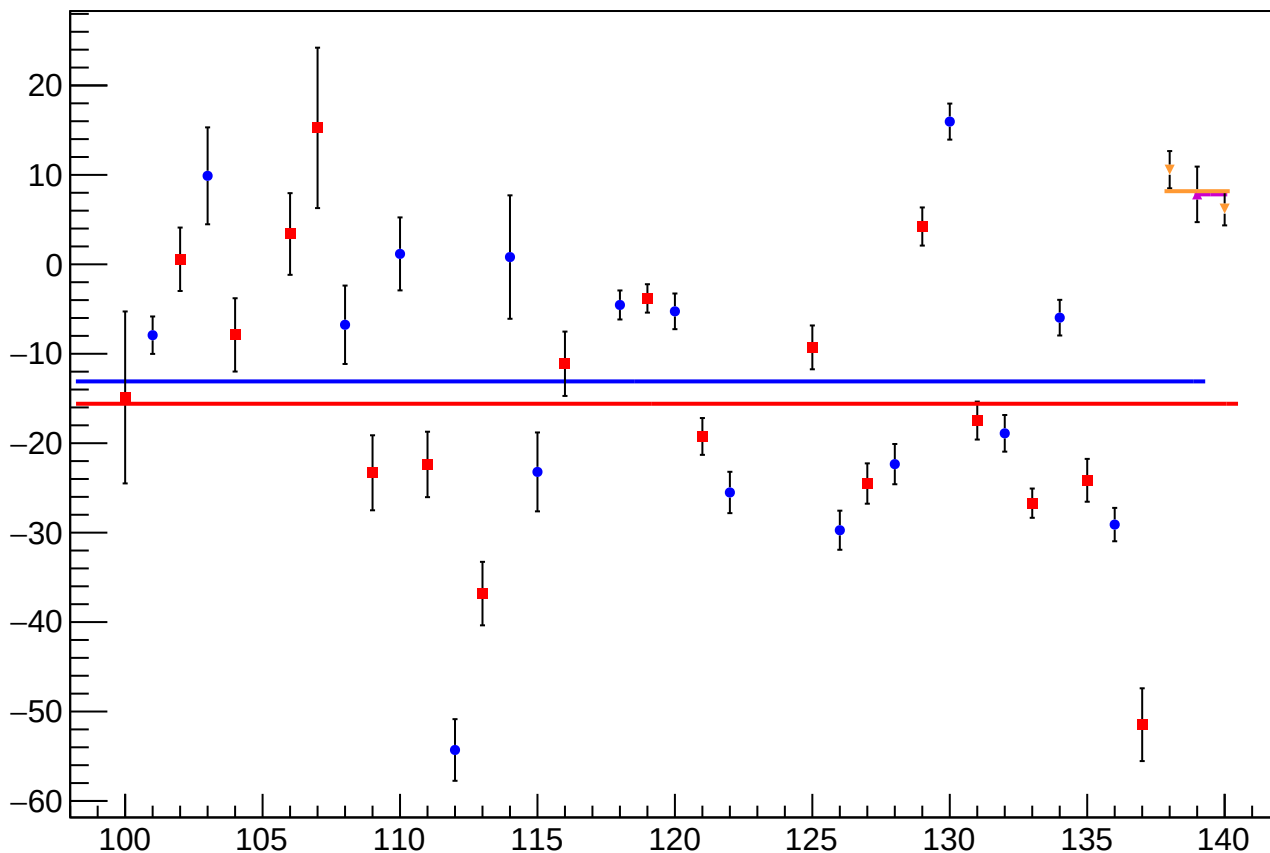
Left In: 67.382 ± 1.886 χ^2/NDF : 0.0/0

+ sign 43.625 ± 0.535 χ^2/NDF : 7254.7/17

All: 47.800 ± 0.395 χ^2/NDF : 14065.6/36

- sign 52.777 ± 0.585 χ^2/NDF : 6677.6/18

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090 ± 0.600 χ^2/NDF : 639.9/15

Left Out: 8.177 ± 1.393 χ^2/NDF : 2.4/1

Right Out: -15.589 ± 0.627 χ^2/NDF : 401.8/17

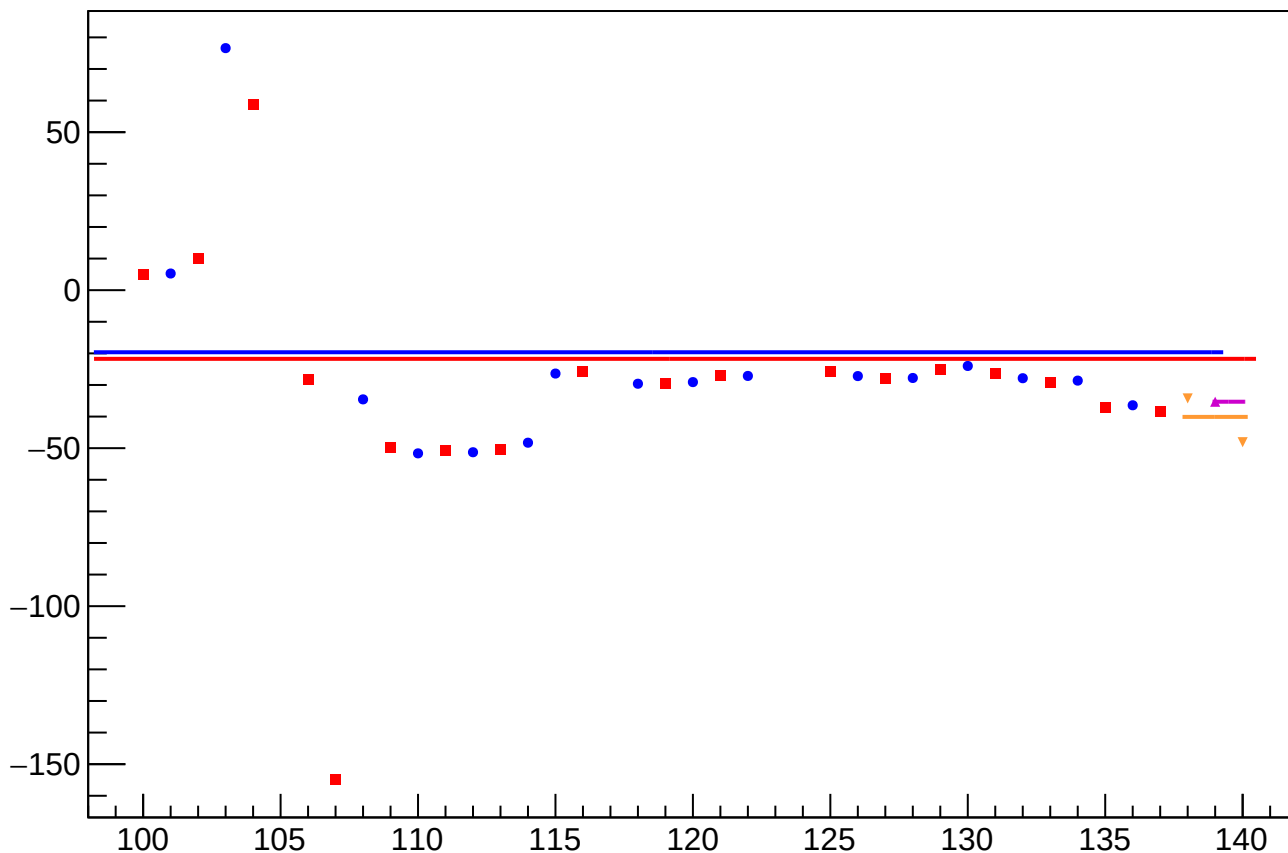
Left In: 7.822 ± 3.104 χ^2/NDF : 0.0/0

+ sign -9.766 ± 0.551 χ^2/NDF : 838.9/17

All: -11.952 ± 0.410 χ^2/NDF : 1330.7/36

- sign -14.672 ± 0.614 χ^2/NDF : 456.5/18

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644 ± 0.036 $\chi^2/\text{NDF}: 646925.7/15$

Left Out: -40.101 ± 0.056 $\chi^2/\text{NDF}: 15088.6/1$

Right Out: -21.730 ± 0.039 $\chi^2/\text{NDF}: 546659.9/17$

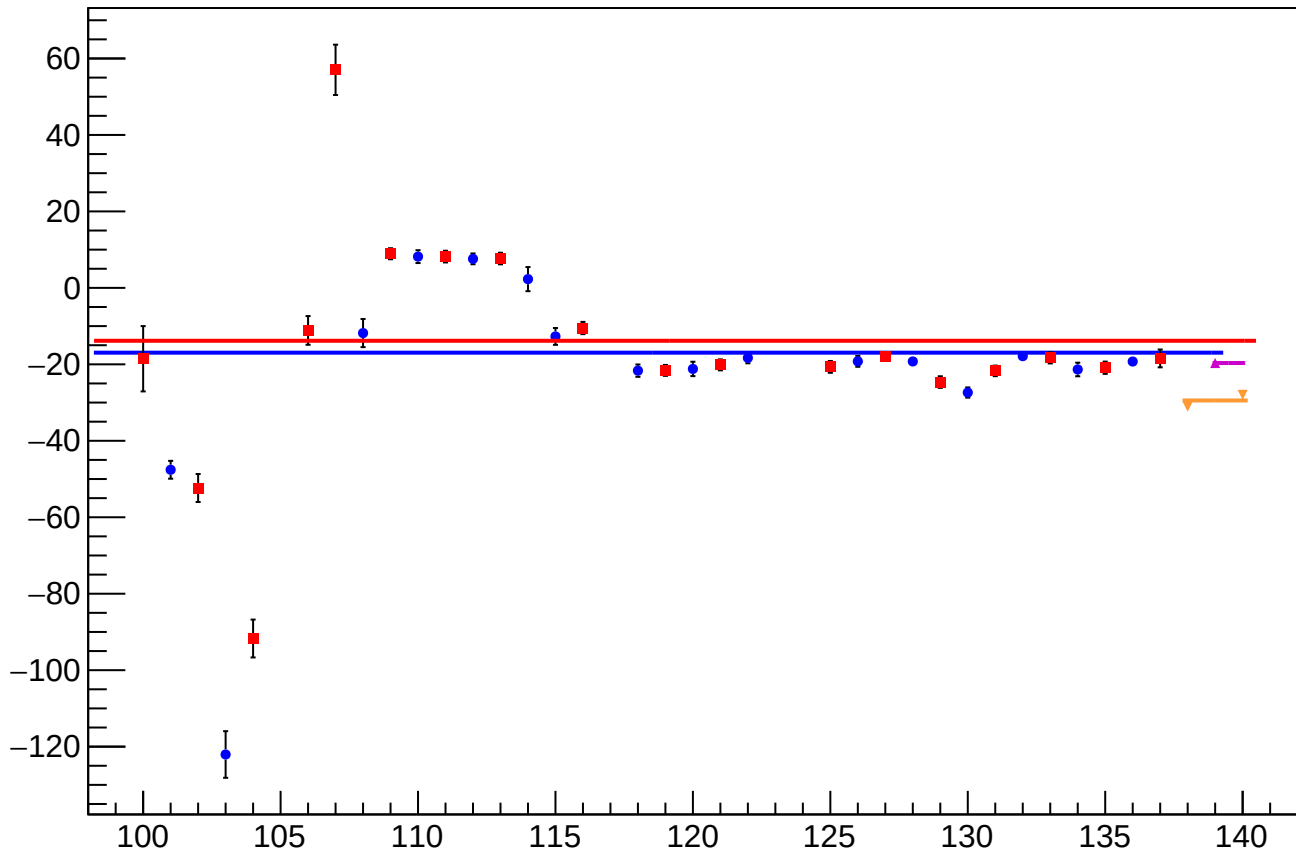
Left In: -35.301 ± 0.067 $\chi^2/\text{NDF}: 0.0/0$

+ sign -25.694 ± 0.030 $\chi^2/\text{NDF}: 756927.3/17$

All: -25.454 ± 0.023 $\chi^2/\text{NDF}: 1334501.9/36$

- sign -25.159 ± 0.034 $\chi^2/\text{NDF}: 577435.0/18$

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949 ± 0.404 $\chi^2/\text{NDF}: 1128.2/15$

Left Out: -29.452 ± 0.829 $\chi^2/\text{NDF}: 3.5/1$

Right Out: -13.837 ± 0.409 $\chi^2/\text{NDF}: 1333.2/17$

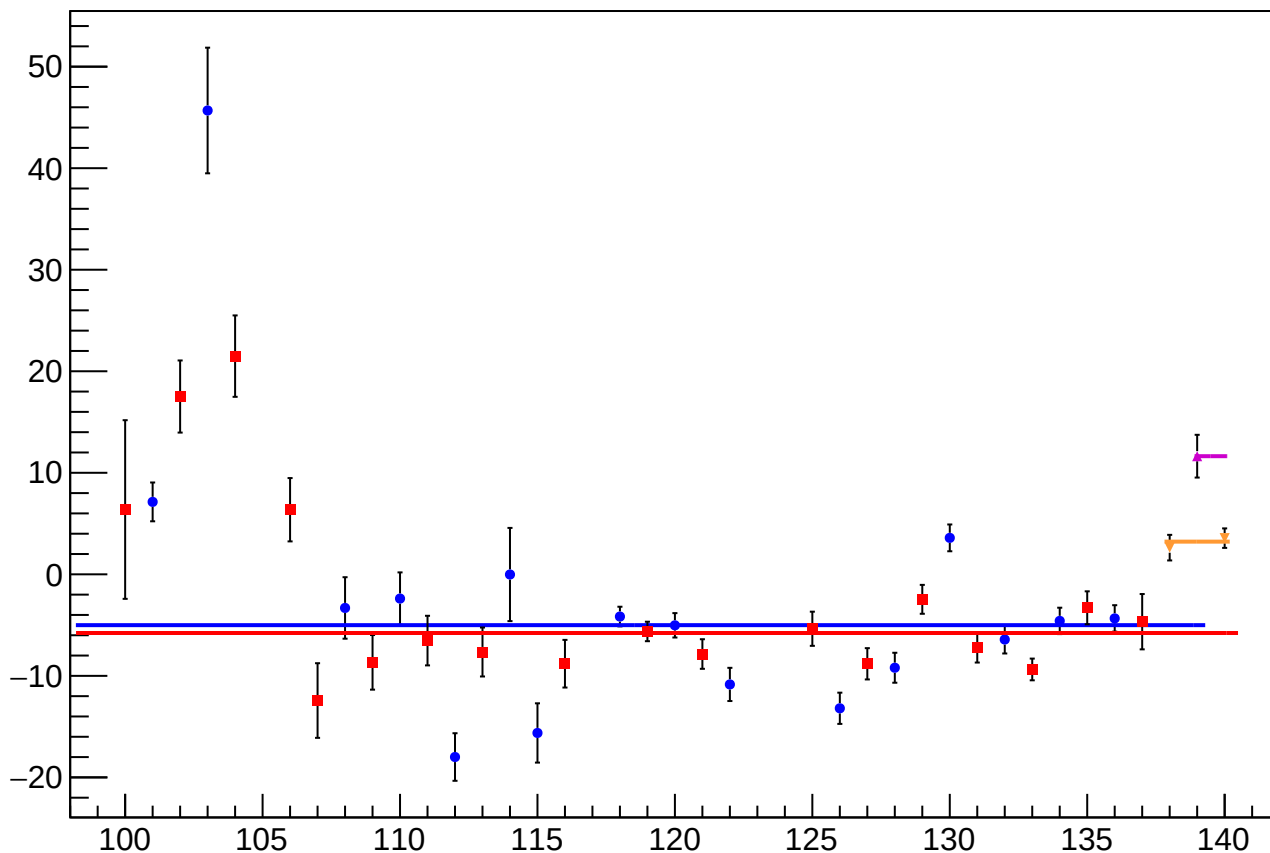
Left In: -19.655 ± 1.166 $\chi^2/\text{NDF}: 0.0/0$

+ sign -19.347 ± 0.363 $\chi^2/\text{NDF}: 1315.4/17$

All: -17.060 ± 0.265 $\chi^2/\text{NDF}: 2755.3/36$

- sign -14.475 ± 0.386 $\chi^2/\text{NDF}: 1355.3/18$

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006 ± 0.401 χ^2/NDF : 247.8/15

Left Out: 3.220 ± 0.763 χ^2/NDF : 0.3/1

Right Out: -5.779 ± 0.419 χ^2/NDF : 139.3/17

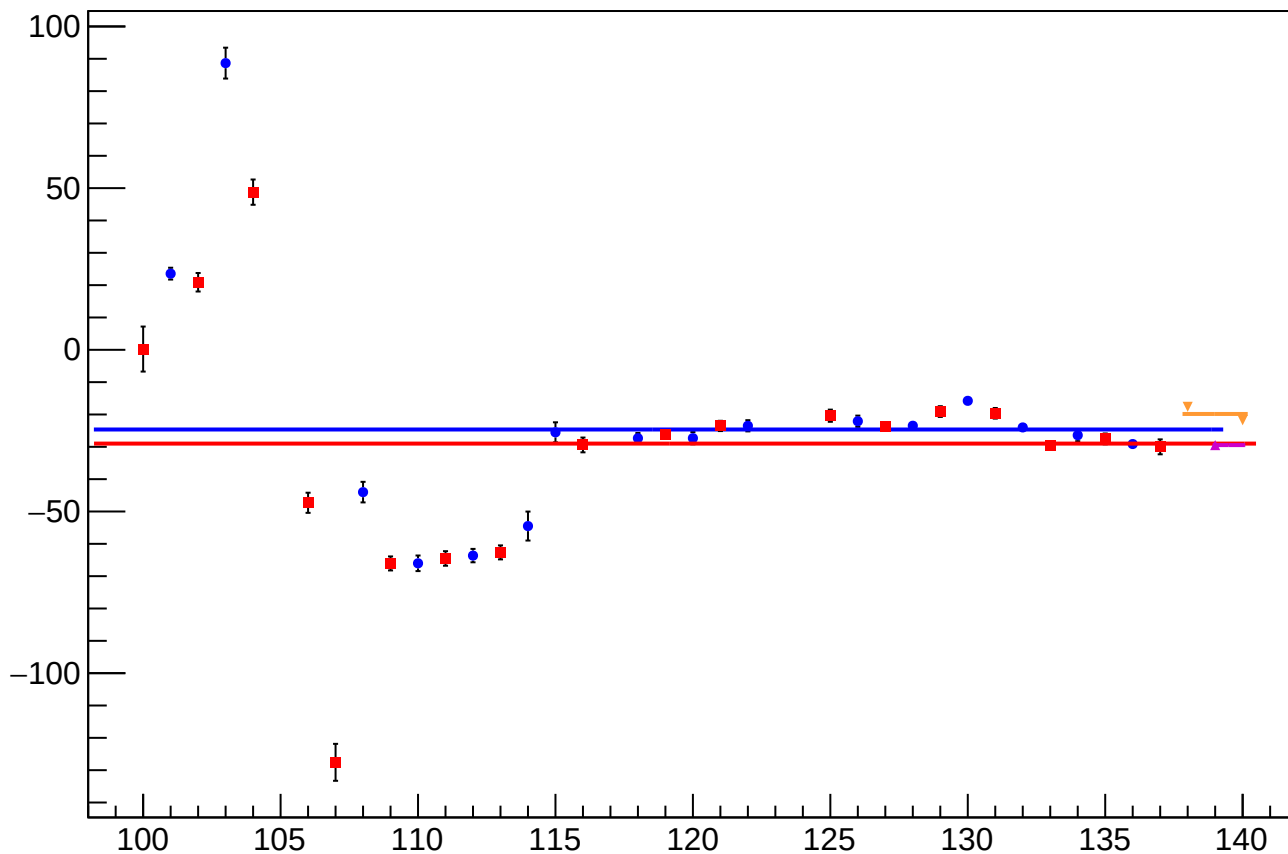
Left In: 11.635 ± 2.106 χ^2/NDF : 0.0/0

+ sign -3.225 ± 0.355 χ^2/NDF : 339.1/17

All: -4.032 ± 0.269 χ^2/NDF : 556.3/36

- sign -5.114 ± 0.411 χ^2/NDF : 205.1/18

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641 ± 0.455 χ^2/NDF : 2051.8/15

Left Out: -19.837 ± 0.859 χ^2/NDF : 5.8/1

Right Out: -29.002 ± 0.475 χ^2/NDF : 1952.3/17

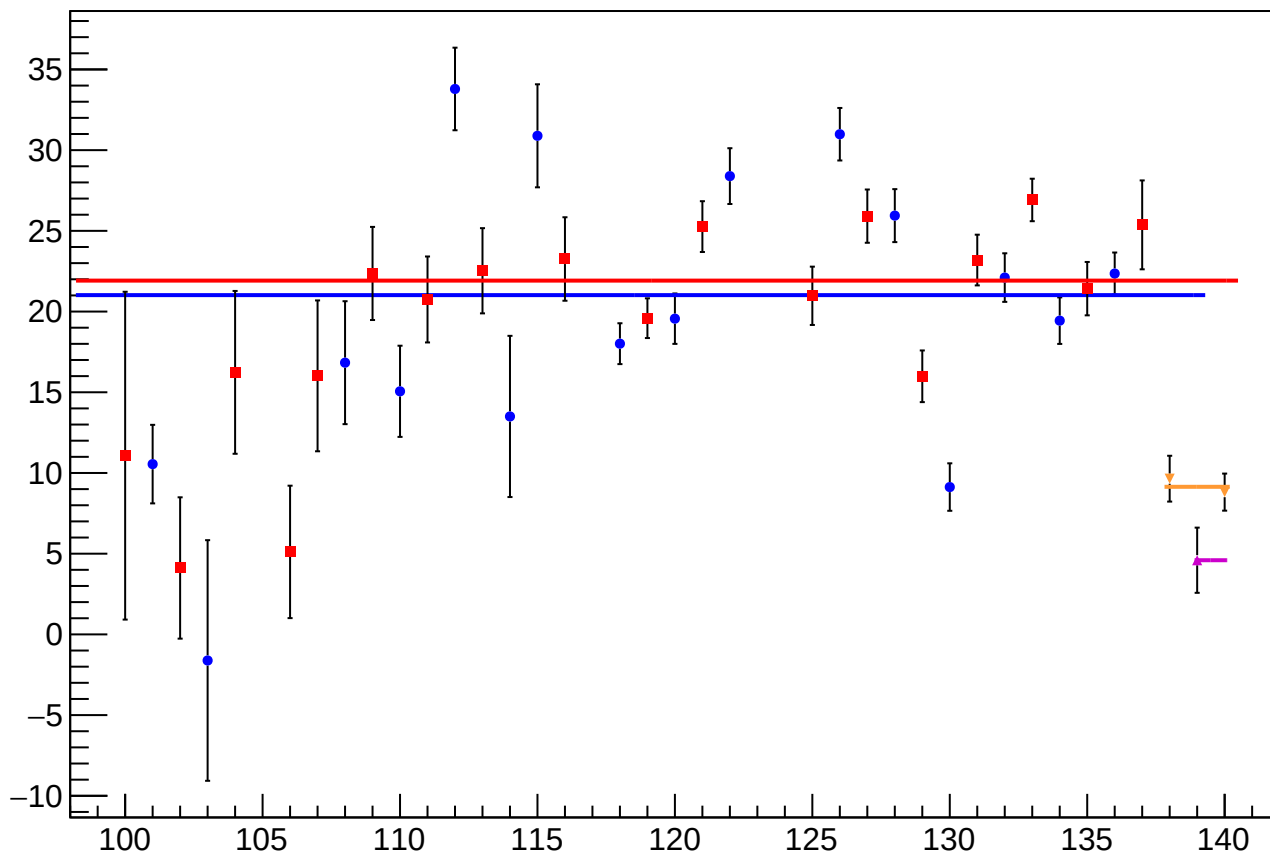
Left In: -29.467 ± 1.215 χ^2/NDF : 0.0/0

+ sign -23.589 ± 0.402 χ^2/NDF : 2082.1/17

All: -26.064 ± 0.298 χ^2/NDF : 4118.4/36

- sign -29.063 ± 0.443 χ^2/NDF : 1952.4/18

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019 $\pm$ 0.458 χ^2 /NDF: 209.6/15

Left Out: 9.143 $\pm$ 0.893 χ^2 /NDF: 0.2/1

Right Out: 21.918 $\pm$ 0.478 χ^2 /NDF: 82.5/17

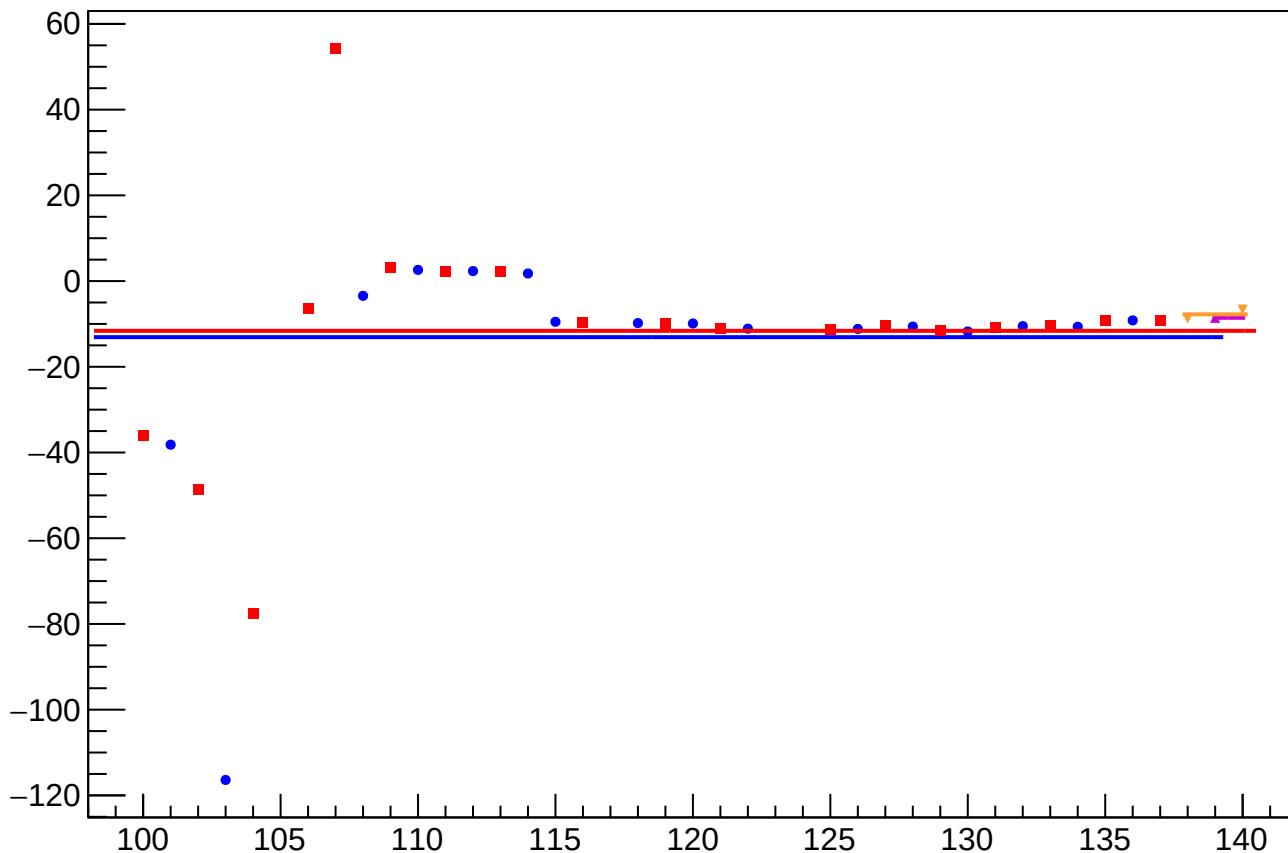
Left In: 4.595 $\pm$ 2.020 χ^2 /NDF: 0.0/0

+ sign 18.544 $\pm$ 0.408 χ^2 /NDF: 349.9/17

All: 19.608 $\pm$ 0.307 χ^2 /NDF: 517.8/36

- sign 20.997 $\pm$ 0.466 χ^2 /NDF: 152.2/18

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086 ± 0.028 χ^2/NDF : 344941.2/15

Left Out: -7.761 ± 0.036 χ^2/NDF : 830.3/1

Right Out: -11.610 ± 0.031 χ^2/NDF : 314183.9/17

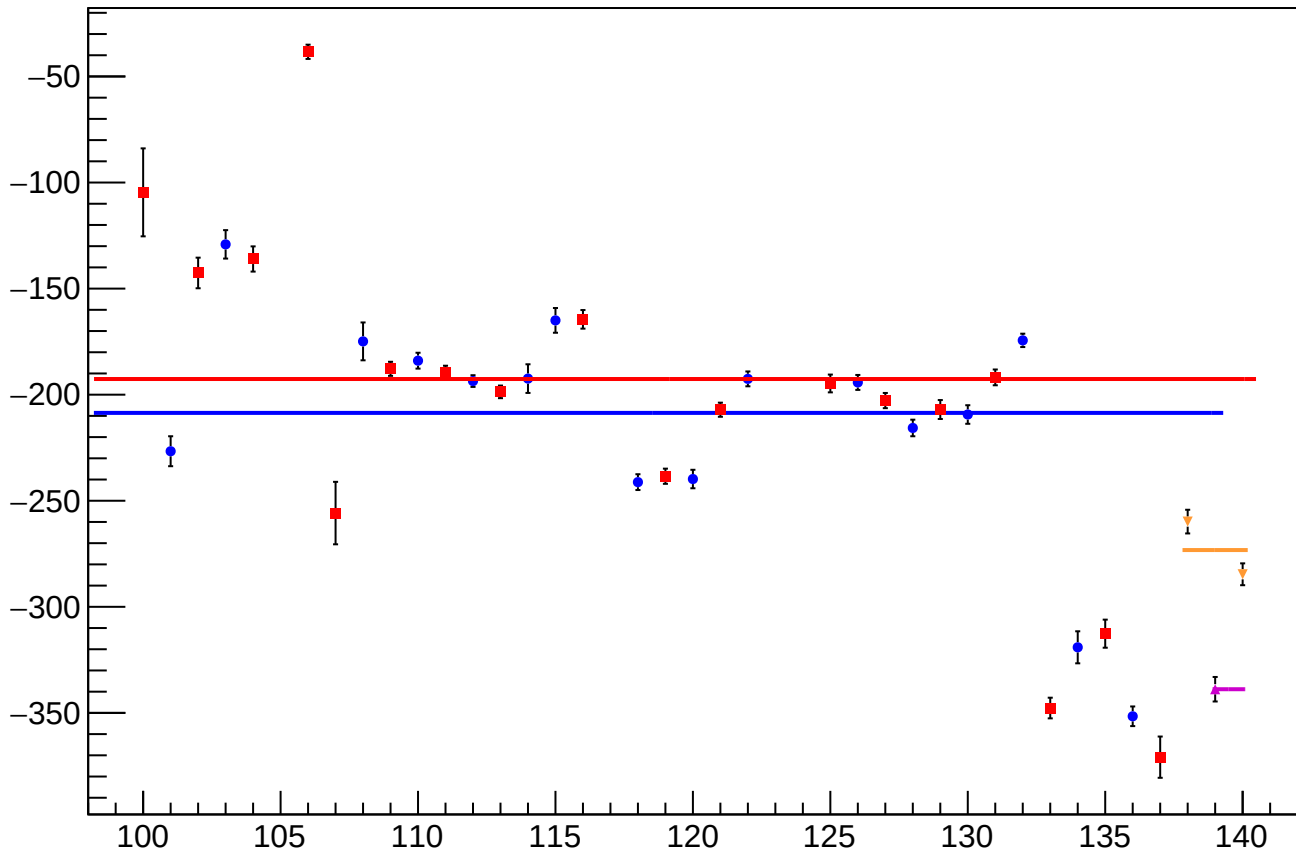
Left In: -8.567 ± 0.043 χ^2/NDF : 0.0/0

+ sign -11.035 ± 0.022 χ^2/NDF : 359301.2/17

All: -10.839 ± 0.017 χ^2/NDF : 676922.9/36

- sign -10.588 ± 0.025 χ^2/NDF : 317444.3/18

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF : 1751.1/15

Left Out: -273.242+/-3.785 χ^2/NDF : 10.7/1

Right Out: -192.617+/-0.999 χ^2/NDF : 4207.1/17

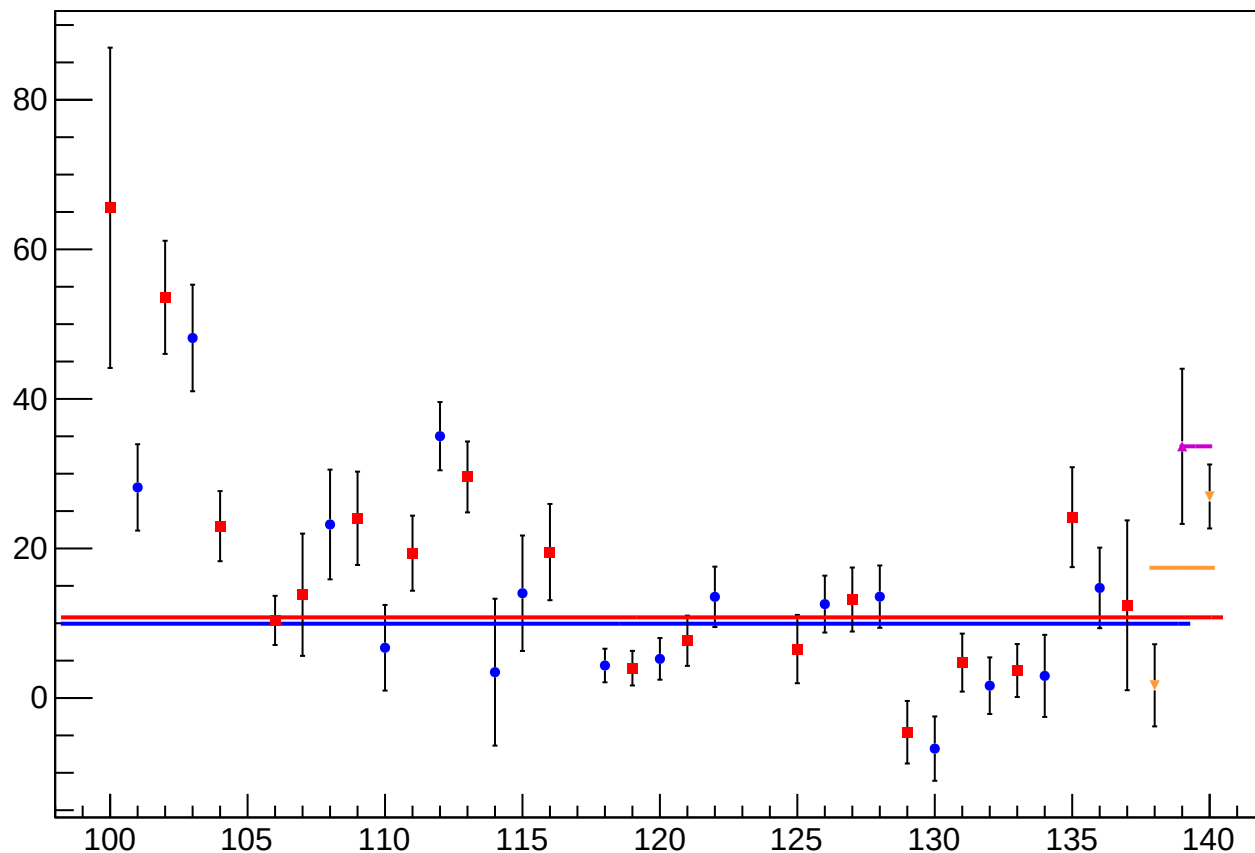
Left In: -338.846+/-5.779 χ^2/NDF : 0.0/0

+ sign -213.342+/-1.027 χ^2/NDF : 2032.2/17

All: -204.754+/-0.710 χ^2/NDF : 6995.3/36

- sign -196.859+/-0.984 χ^2/NDF : 4828.8/18

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938 $\pm$ 1.065 χ^2 /NDF: 106.6/15

Left Out: 17.420 $\pm$ 3.375 χ^2 /NDF:13.2/1

Right Out: 10.788 $\pm$ 1.044 χ^2 /NDF: 105.1/17

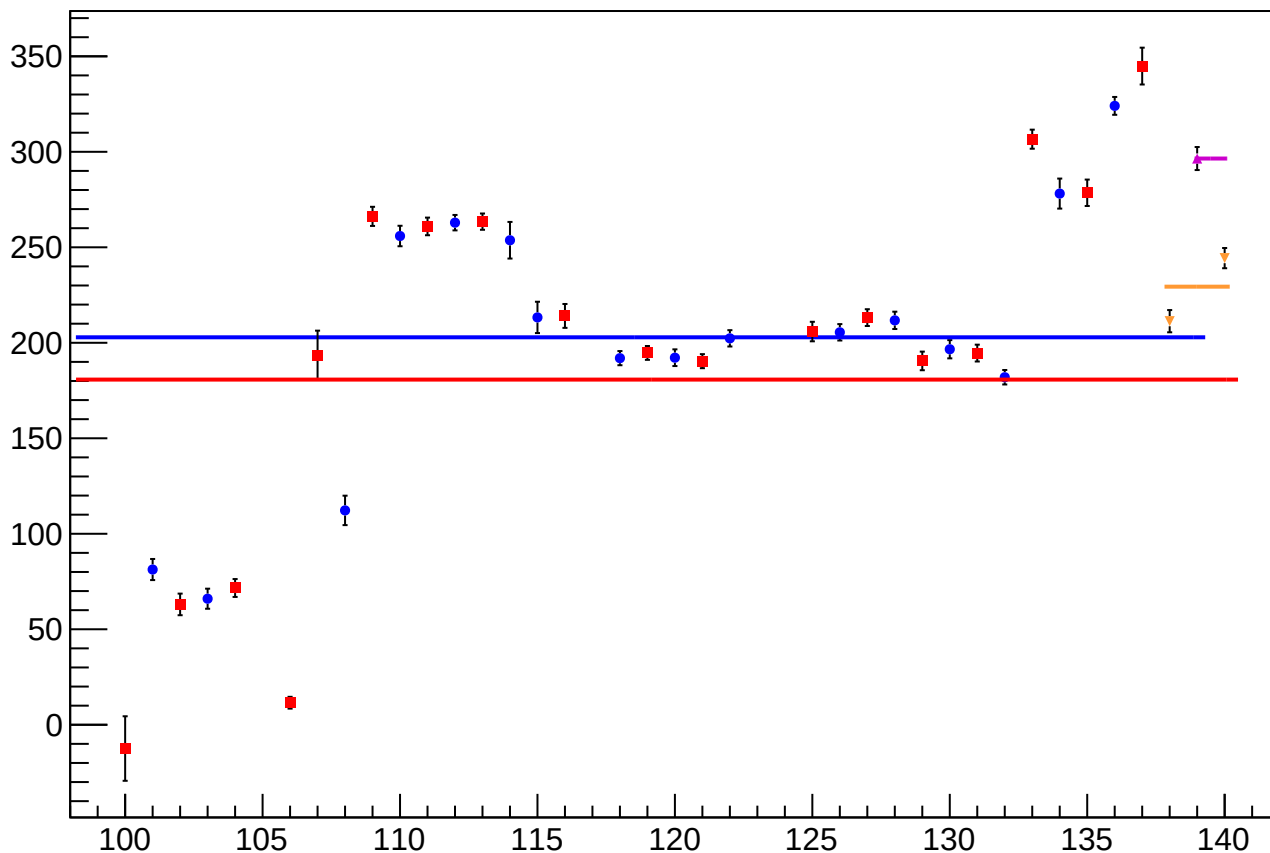
Left In: 33.660 $\pm$ 10.375 χ^2 /NDF:0.0/0

+ sign 10.616 $\pm$ 1.016 χ^2 /NDF: 124.2/17

All: 10.812 $\pm$ 0.726 χ^2 /NDF: 234.2/36

- sign 11.017 $\pm$ 1.038 χ^2 /NDF: 109.9/18

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874 $\pm$ 1.226 χ^2 /NDF: 2464.2/15

Left Out: 229.387 $\pm$ 3.918 χ^2 /NDF:17.6/1

Right Out: 180.731 $\pm$ 1.144 χ^2 /NDF: 6347.9/17

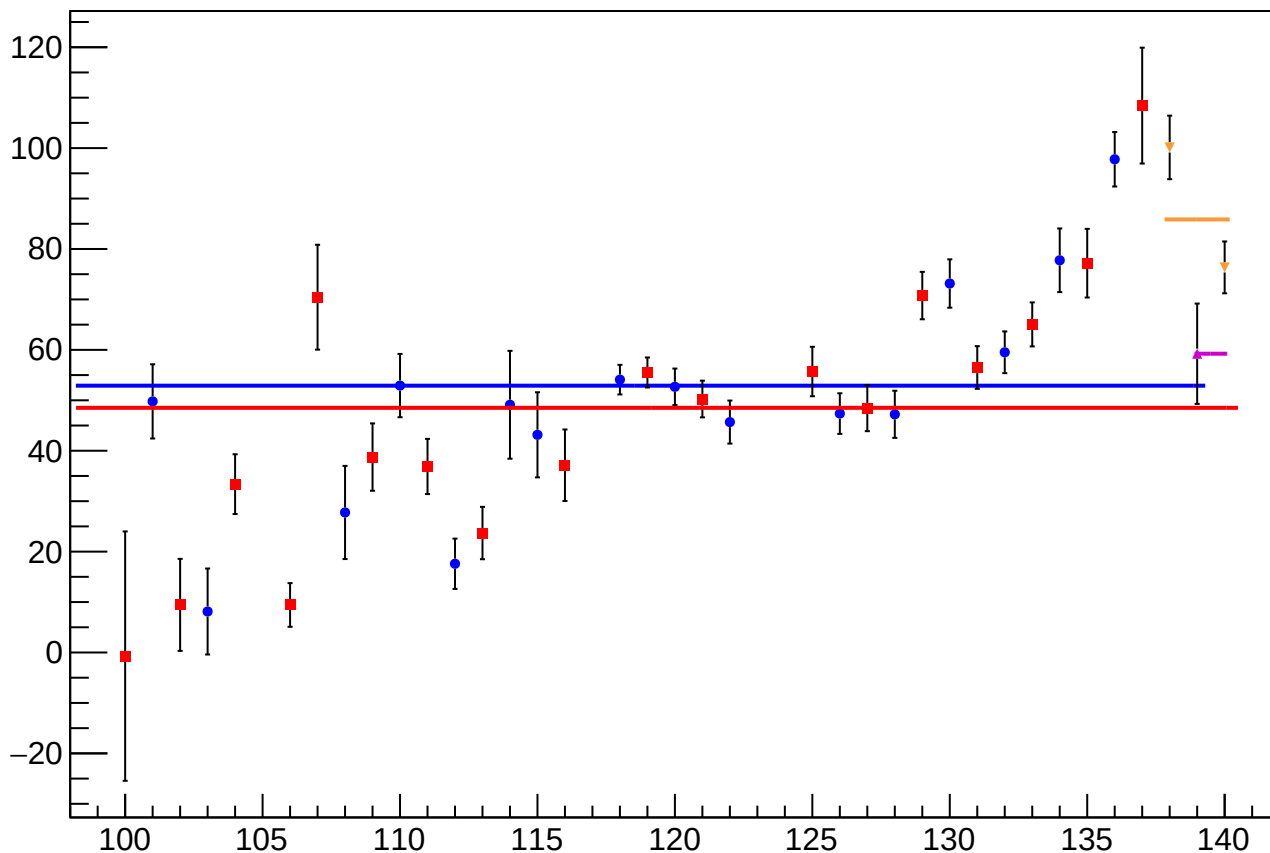
Left In: 296.477 $\pm$ 6.027 χ^2 /NDF:0.0/0

+ sign 205.237 $\pm$ 1.170 χ^2 /NDF: 2523.5/17

All: 194.583 $\pm$ 0.810 χ^2 /NDF: 9386.9/36

- sign 184.753 $\pm$ 1.124 χ^2 /NDF: 6703.9/18

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899 +/- 1.242 χ^2/NDF : 198.3/15

Left Out: 85.860 +/- 3.985 χ^2/NDF : 8.6/1

Right Out: 48.510 +/- 1.214 χ^2/NDF : 240.0/17

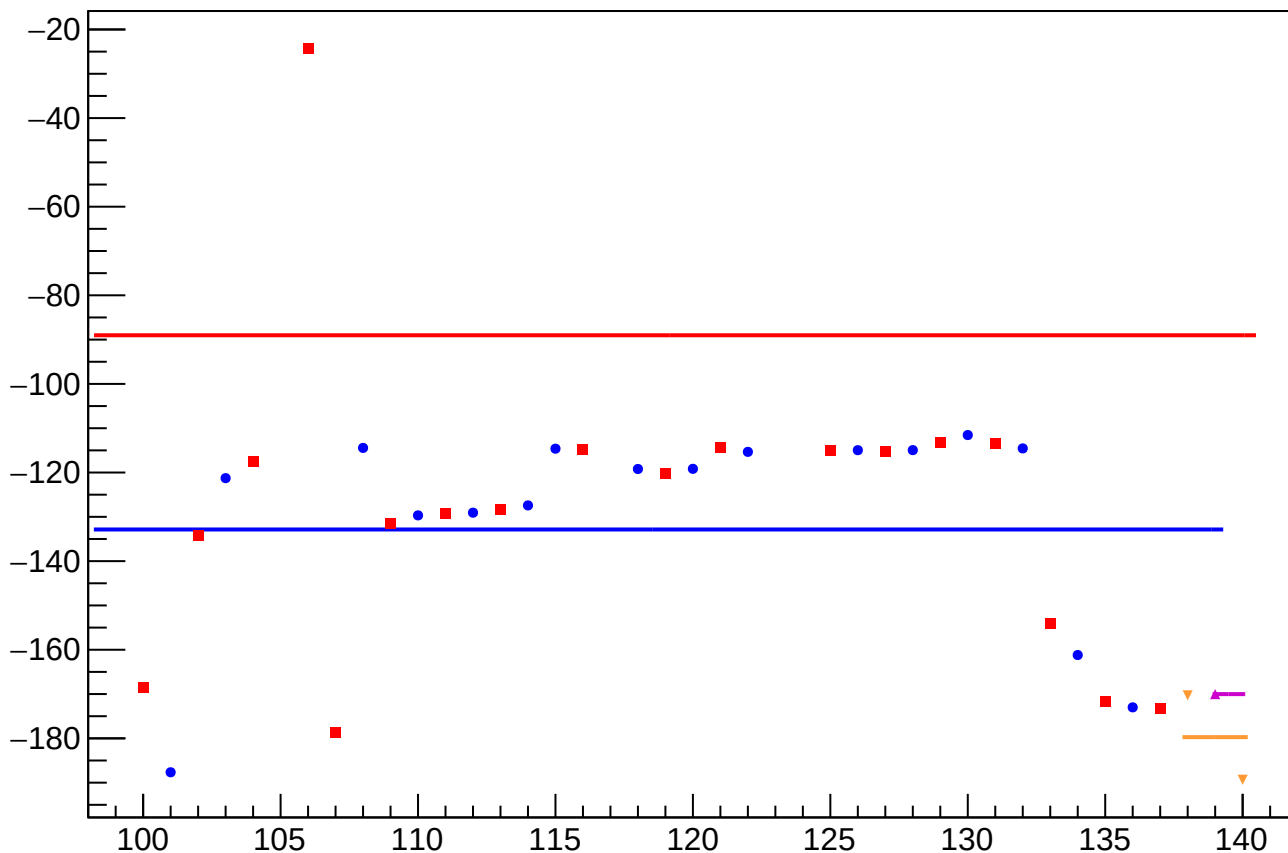
Left In: 59.236 +/- 9.945 χ^2/NDF : 0.0/0

+ sign 55.816 +/- 1.185 χ^2/NDF : 269.2/17

All: 52.302 +/- 0.845 χ^2/NDF : 528.3/36

- sign 48.668 +/- 1.205 χ^2/NDF : 241.1/18

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF : 93497.9/15

Left Out: -179.725+/-0.166 χ^2/NDF : 3280.6/1

Right Out: -89.020+/-0.064 χ^2/NDF : 728110.1/17

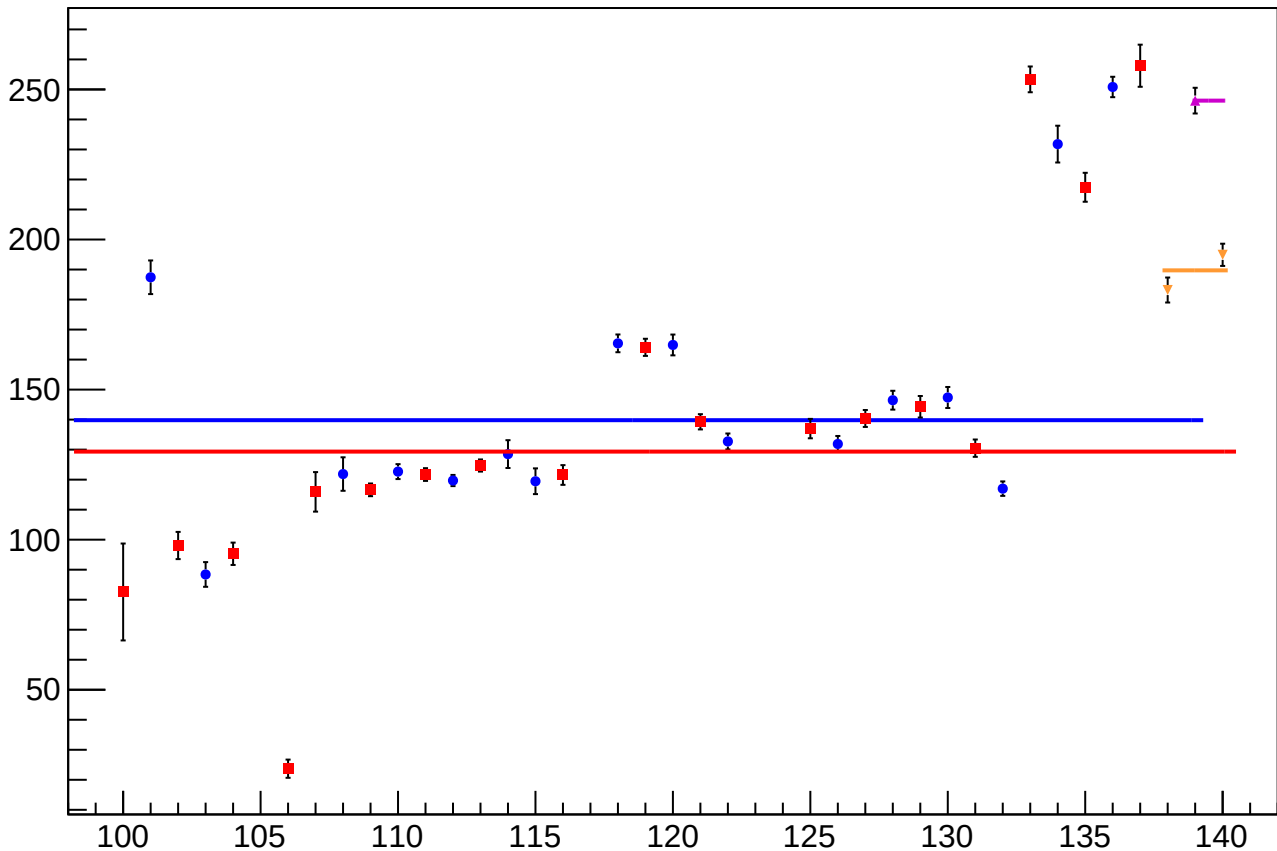
Left In: -170.016+/-0.214 χ^2/NDF : 0.0/0

+ sign -141.905+/-0.073 χ^2/NDF : 160859.6/17

All: -114.835+/-0.047 χ^2/NDF : 1254287.7/36

- sign -95.681+/-0.061 χ^2/NDF : 859134.8/18

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810 $\pm$ 0.785 χ^2 /NDF: 1964.9/15

Left Out: 189.725 $\pm$ 2.765 χ^2 /NDF: 4.4/1

Right Out: 129.344 $\pm$ 0.734 χ^2 /NDF: 3123.5/17

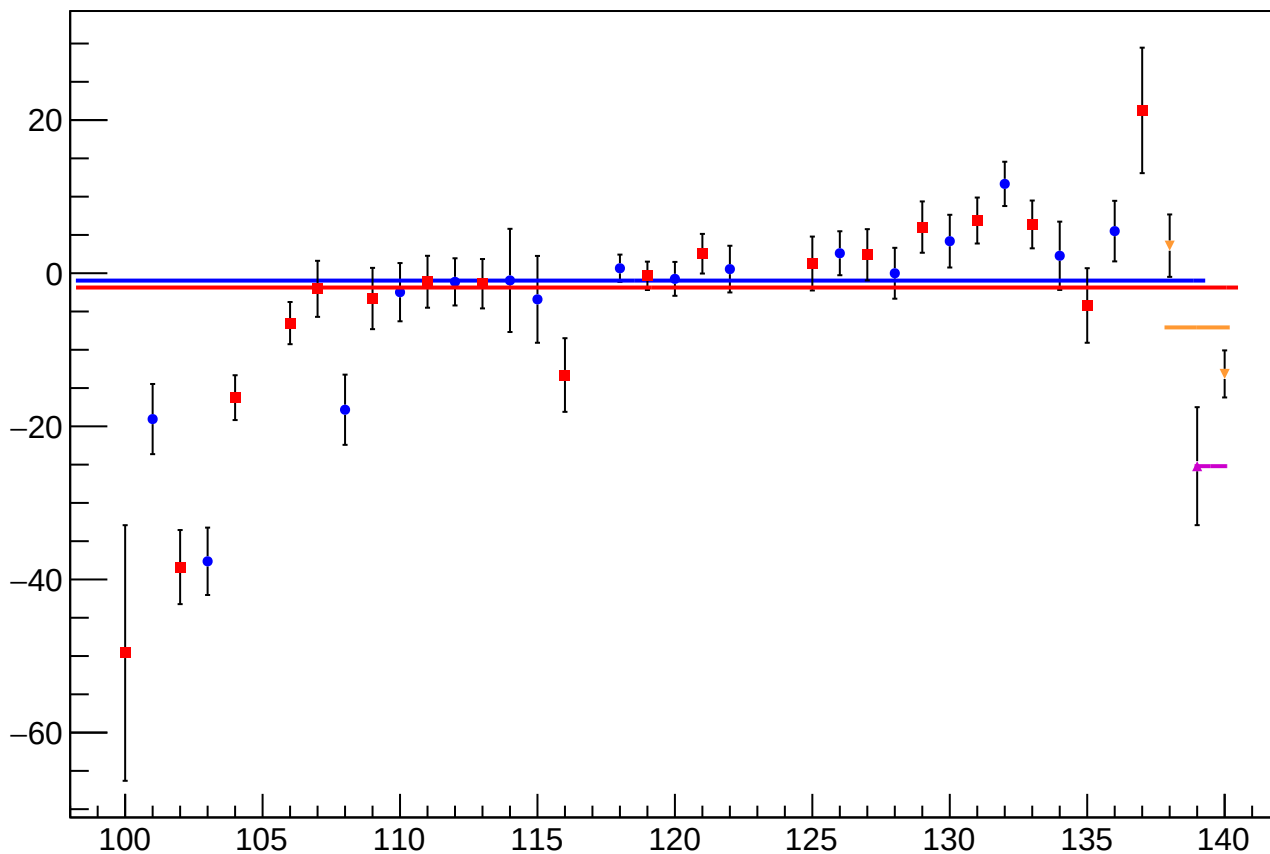
Left In: 246.274 $\pm$ 4.281 χ^2 /NDF: 0.0/0

+ sign 143.529 $\pm$ 0.755 χ^2 /NDF: 2270.9/17

All: 137.879 $\pm$ 0.522 χ^2 /NDF: 6226.7/36

- sign 132.685 $\pm$ 0.724 χ^2 /NDF: 3848.2/18

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963 ± 0.808 χ^2/NDF : 126.1/15

Left Out: -7.079 ± 2.454 χ^2/NDF : 10.8/1

Right Out: -1.869 ± 0.784 χ^2/NDF : 133.2/17

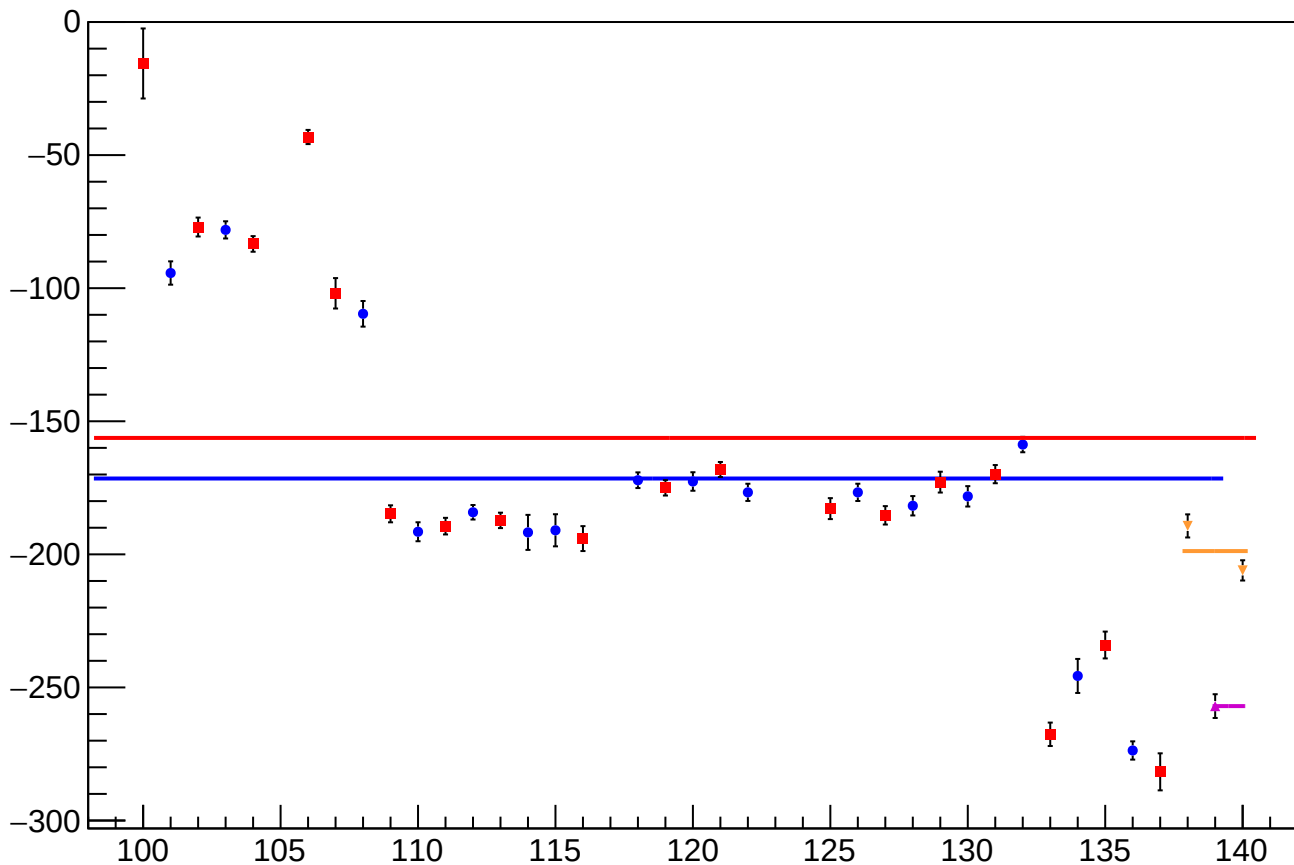
Left In: -25.200 ± 7.705 χ^2/NDF : 0.0/0

+ sign -1.561 ± 0.768 χ^2/NDF : 142.4/17

All: -1.830 ± 0.547 χ^2/NDF : 284.9/36

- sign -2.107 ± 0.780 χ^2/NDF : 142.2/18

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506 ± 0.907 χ^2/NDF : 2442.8/15

Left Out: -198.769 ± 2.861 χ^2/NDF : 8.4/1

Right Out: -156.260 ± 0.847 χ^2/NDF : 4904.3/17

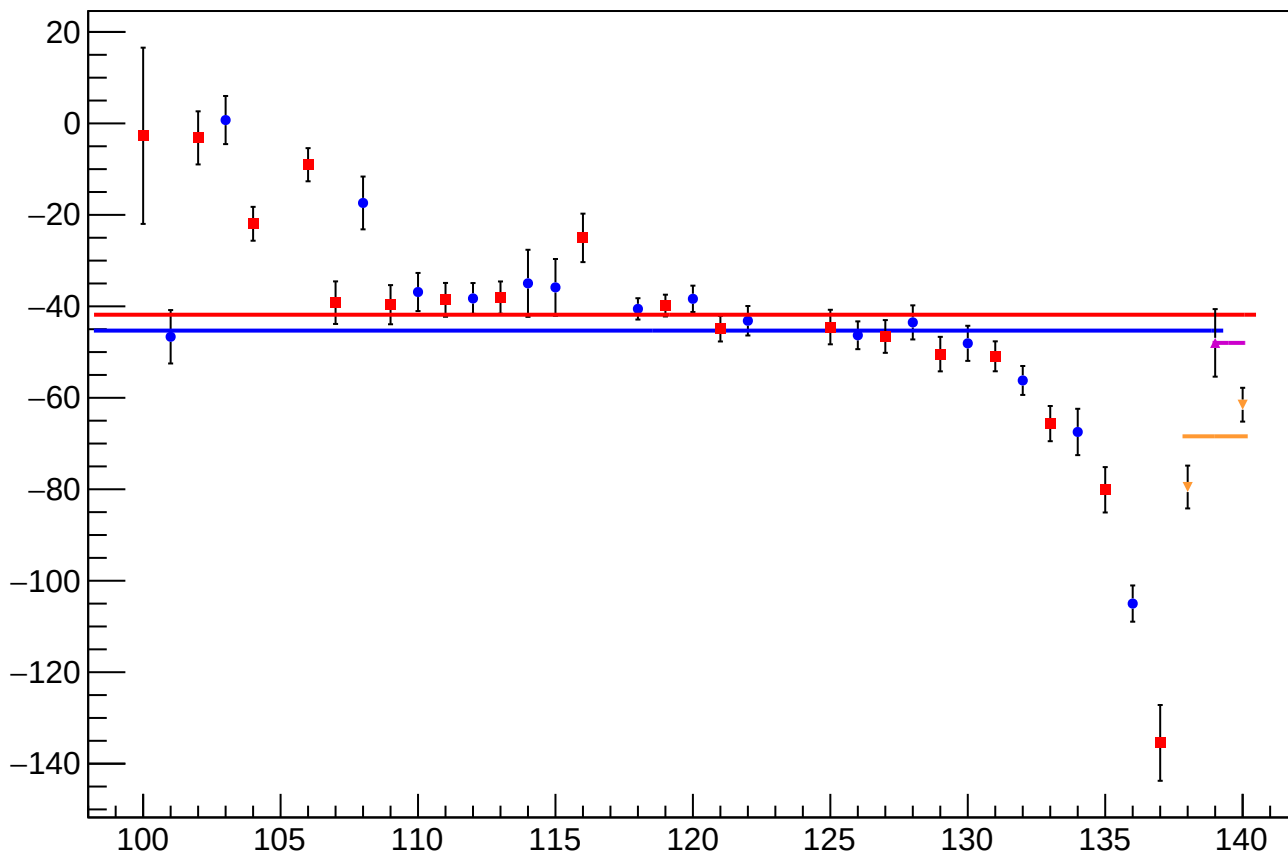
Left In: -257.011 ± 4.463 χ^2/NDF : 0.0/0

+ sign -173.995 ± 0.864 χ^2/NDF : 2533.7/17

All: -166.612 ± 0.600 χ^2/NDF : 8070.5/36

- sign -159.765 ± 0.832 χ^2/NDF : 5396.2/18

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304 ± 0.938 χ^2/NDF : 382.0/15

Left Out: -68.420 ± 2.901 χ^2/NDF : 9.1/1

Right Out: -41.832 ± 0.909 χ^2/NDF : 414.2/17

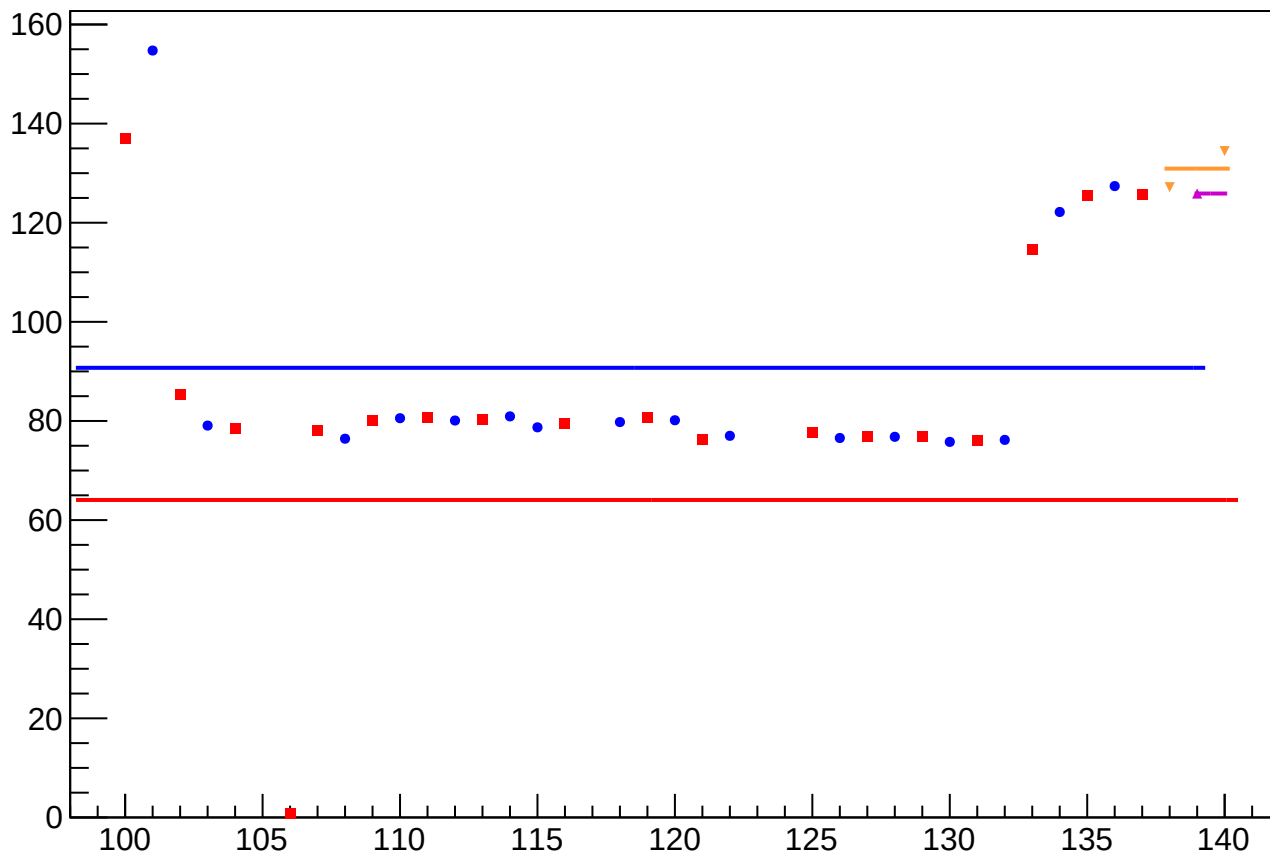
Left In: -47.991 ± 7.387 χ^2/NDF : 0.0/0

+ sign -47.491 ± 0.892 χ^2/NDF : 448.6/17

All: -44.739 ± 0.634 χ^2/NDF : 882.8/36

- sign -41.924 ± 0.903 χ^2/NDF : 414.9/18

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF : 161153.0/15

Left Out: 130.919+/-0.122 χ^2/NDF : 893.2/1

Right Out: 64.059+/-0.049 χ^2/NDF : 660935.1/17

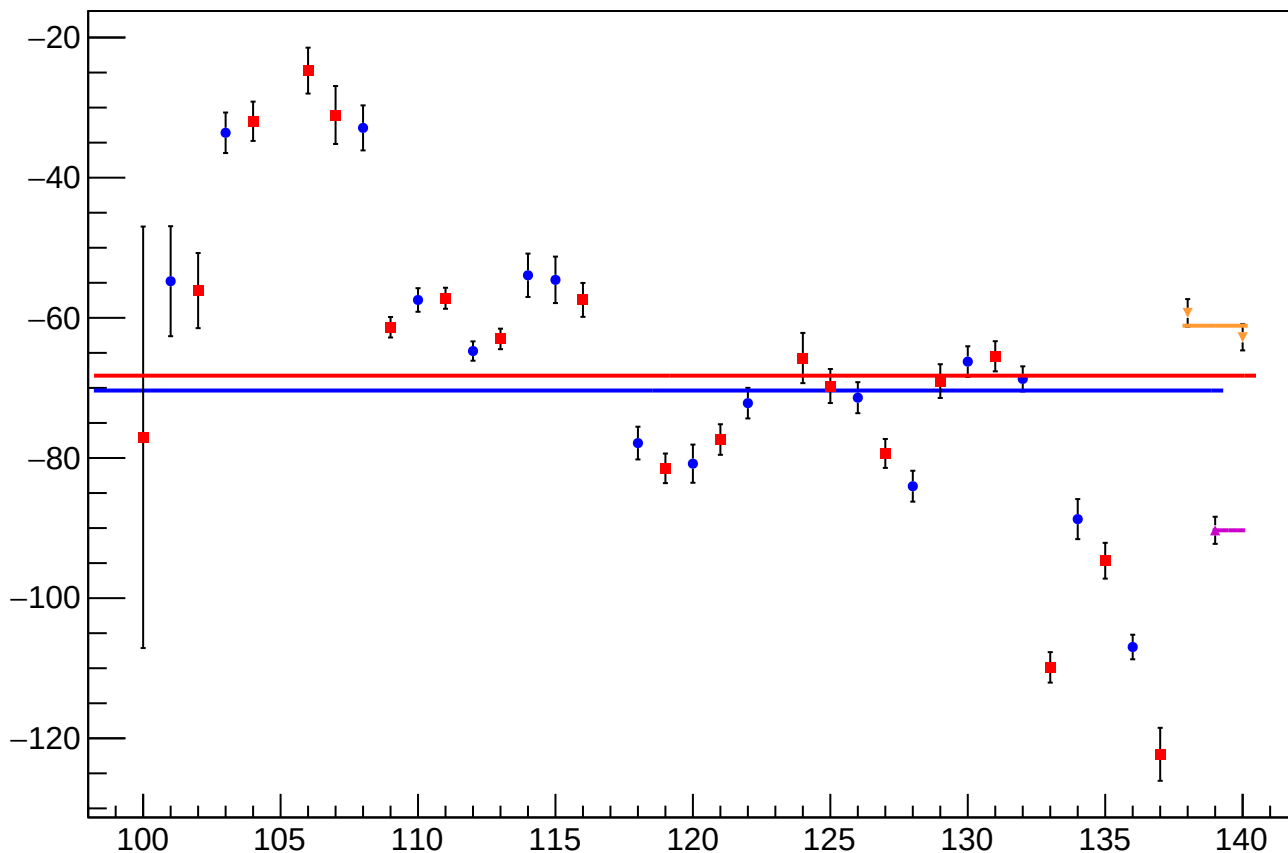
Left In: 125.890+/-0.159 χ^2/NDF : 0.0/0

+ sign 98.260+/-0.053 χ^2/NDF : 250576.7/17

All: 82.246+/-0.035 χ^2/NDF : 1215074.1/36

- sign 69.470+/-0.047 χ^2/NDF : 798621.2/18

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374 ± 0.558 χ^2/NDF : 974.9/15

Left Out: -61.122 ± 1.356 χ^2/NDF : 1.6/1

Right Out: -68.252 ± 0.527 χ^2/NDF : 1306.0/18

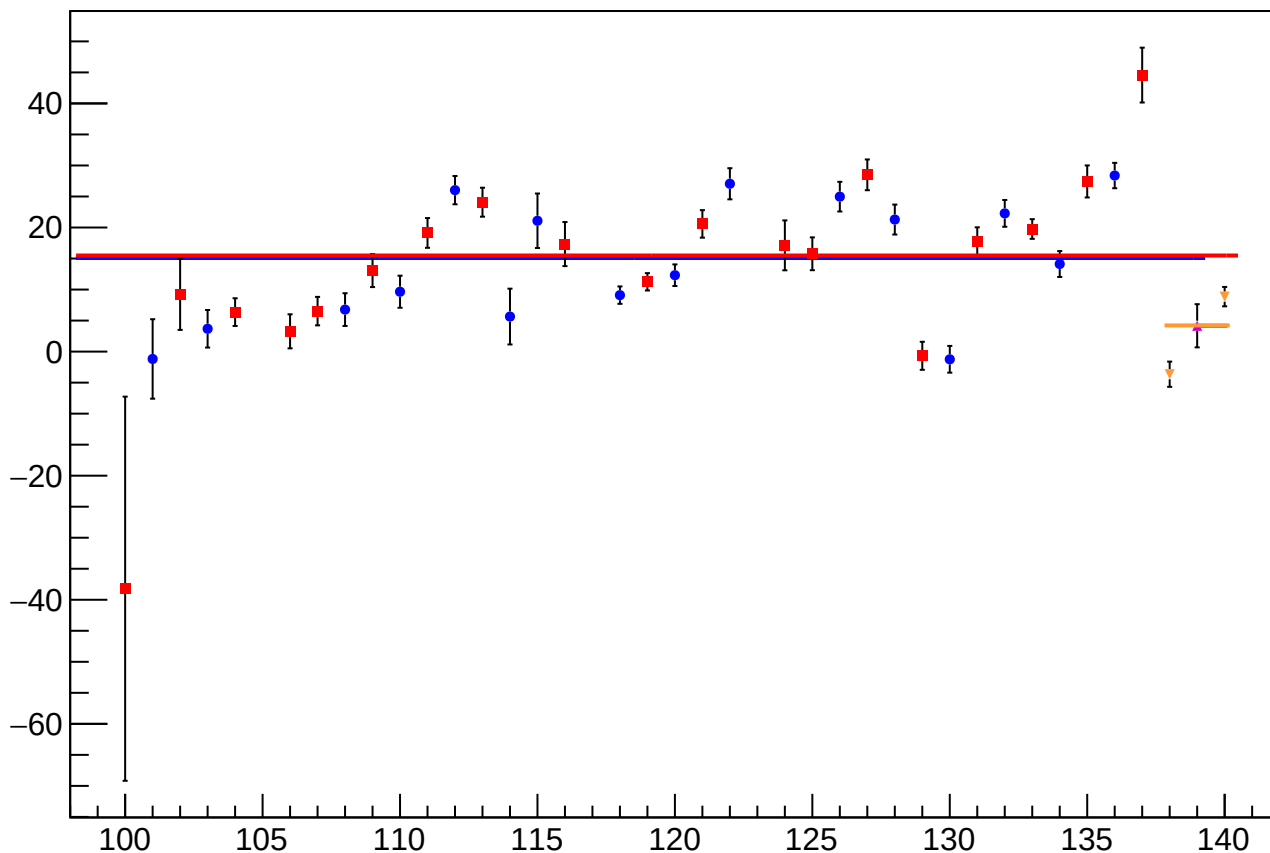
Left In: -90.320 ± 1.935 χ^2/NDF : 0.0/0

+ sign -69.035 ± 0.516 χ^2/NDF : 1016.4/17

All: -69.410 ± 0.362 χ^2/NDF : 2444.5/37

- sign -69.774 ± 0.508 χ^2/NDF : 1427.1/19

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092 $\pm$ 0.581 χ^2 /NDF: 242.4/15

Left Out: 4.219 $\pm$ 1.239 χ^2 /NDF: 23.8/1

Right Out: 15.491 $\pm$ 0.558 χ^2 /NDF: 239.3/18

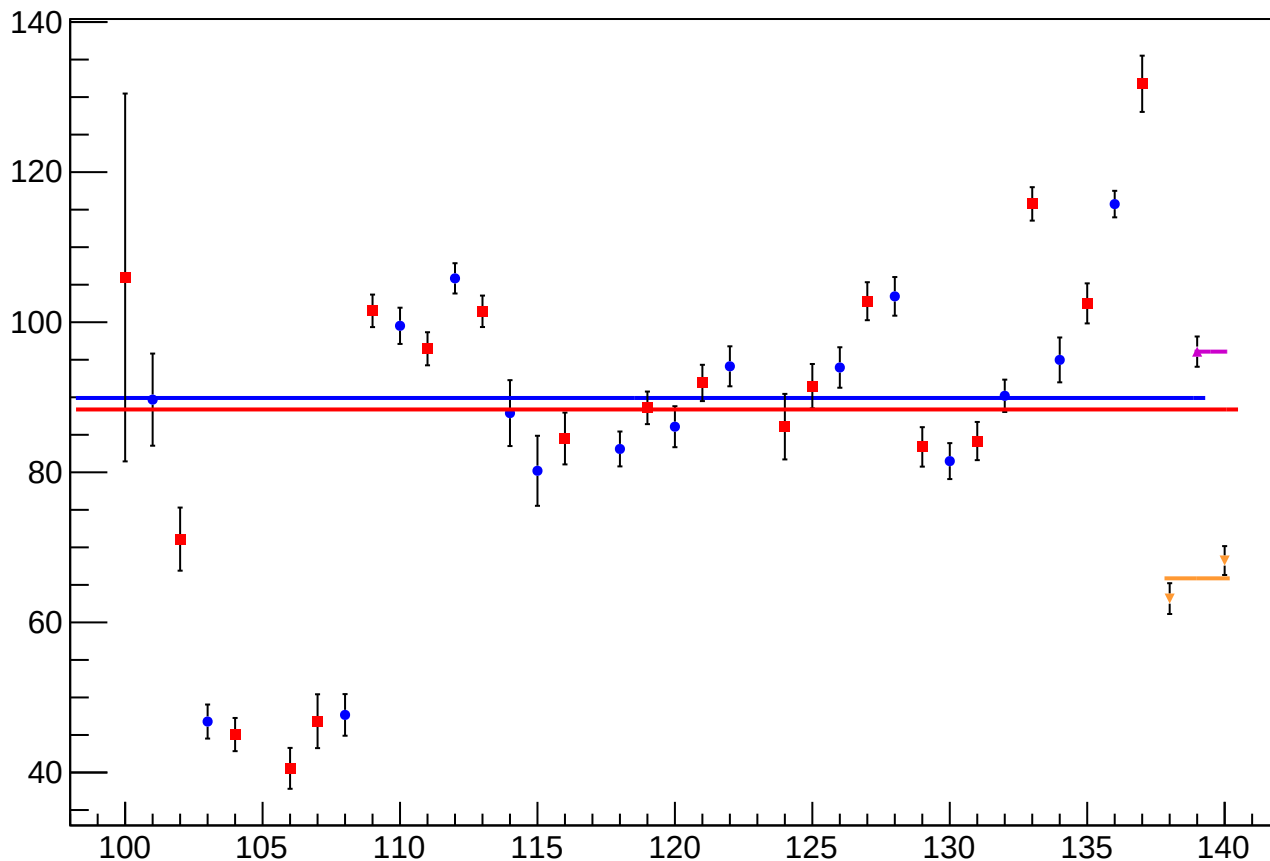
Left In: 4.163 $\pm$ 3.482 χ^2 /NDF: 0.0/0

+ sign 13.133 $\pm$ 0.526 χ^2 /NDF: 329.4/17

All: 14.121 $\pm$ 0.381 χ^2 /NDF: 586.4/37

- sign 15.208 $\pm$ 0.551 χ^2 /NDF: 249.6/19

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907 $\pm$ 0.641 χ^2 /NDF: 947.7/15

Left Out: 65.872 $\pm$ 1.404 χ^2 /NDF:3.2/1

Right Out: 88.375 $\pm$ 0.617 χ^2 /NDF: 1288.9/18

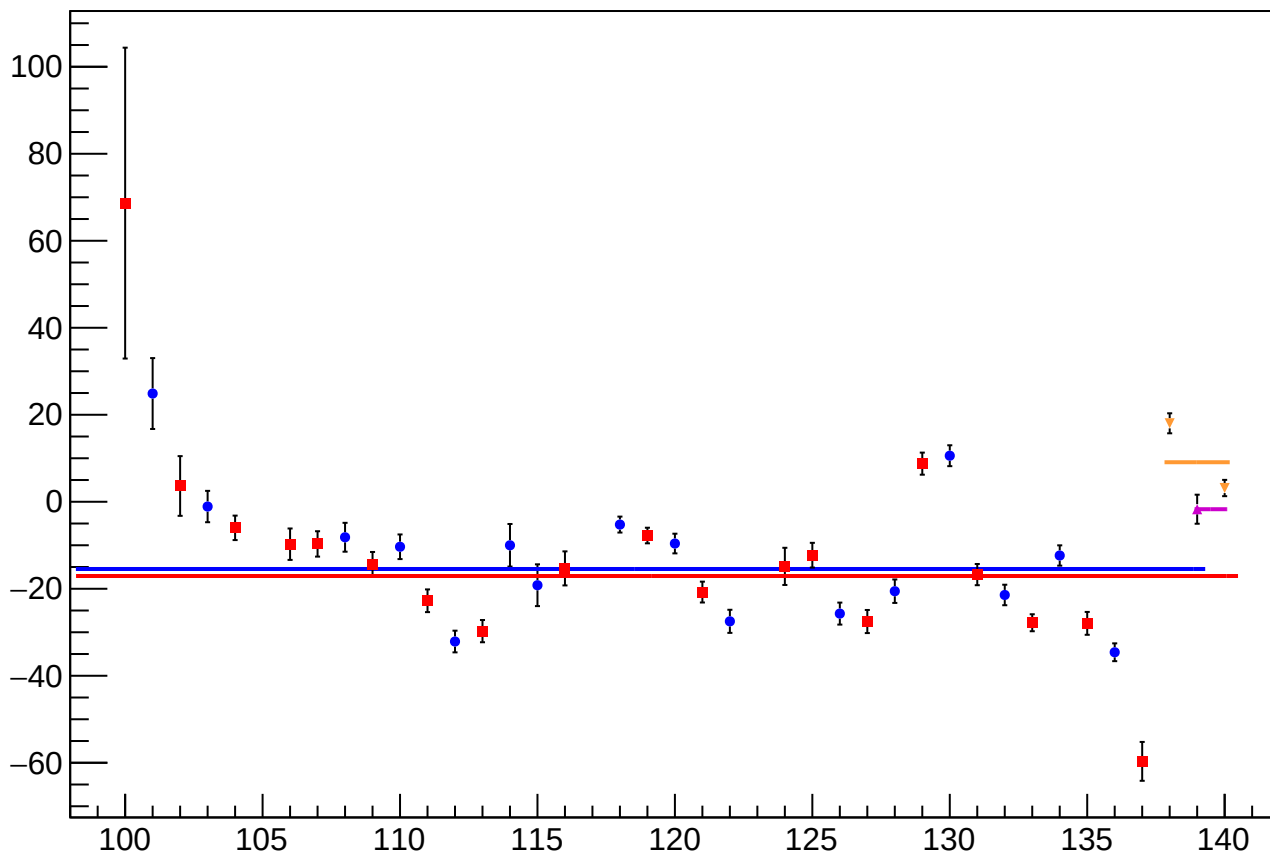
Left In: 96.082 $\pm$ 2.017 χ^2 /NDF:0.0/0

+ sign 85.765 $\pm$ 0.583 χ^2 /NDF: 1193.5/17

All: 87.379 $\pm$ 0.415 χ^2 /NDF: 2511.3/37

- sign 89.035 $\pm$ 0.590 χ^2 /NDF: 1302.2/19

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454 ± 0.665 $\chi^2/\text{NDF}: 386.5/15$

Left Out: 9.087 ± 1.452 $\chi^2/\text{NDF}: 25.2/1$

Right Out: -17.066 ± 0.644 $\chi^2/\text{NDF}: 361.0/18$

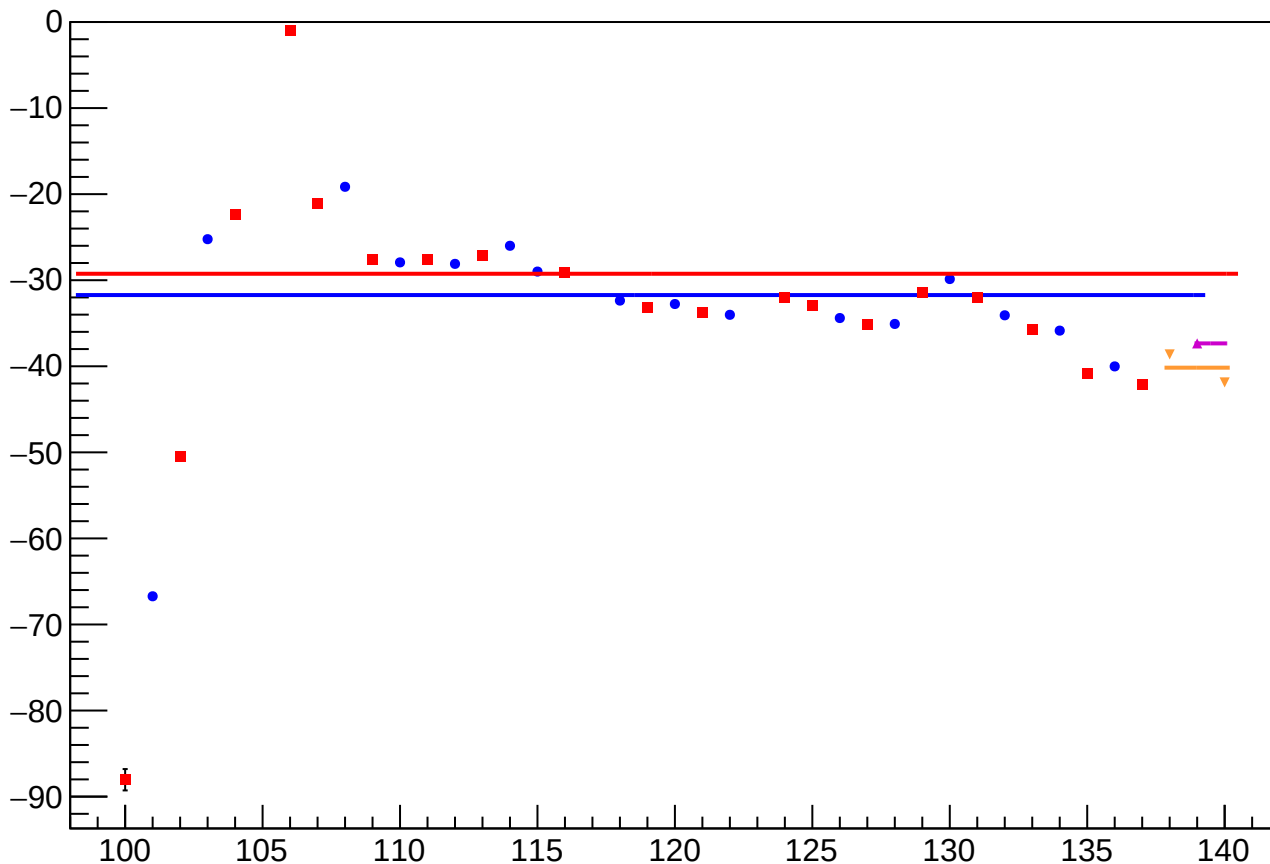
Left In: -1.713 ± 3.338 $\chi^2/\text{NDF}: 0.0/0$

+ sign -11.195 ± 0.605 $\chi^2/\text{NDF}: 647.7/17$

All: -13.739 ± 0.437 $\chi^2/\text{NDF}: 1066.1/37$

- sign -16.516 ± 0.632 $\chi^2/\text{NDF}: 381.4/19$

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725 ± 0.039 χ^2/NDF : 39636.6/15

Left Out: -40.162 ± 0.059 χ^2/NDF : 761.5/1

Right Out: -29.250 ± 0.038 χ^2/NDF : 95235.9/18

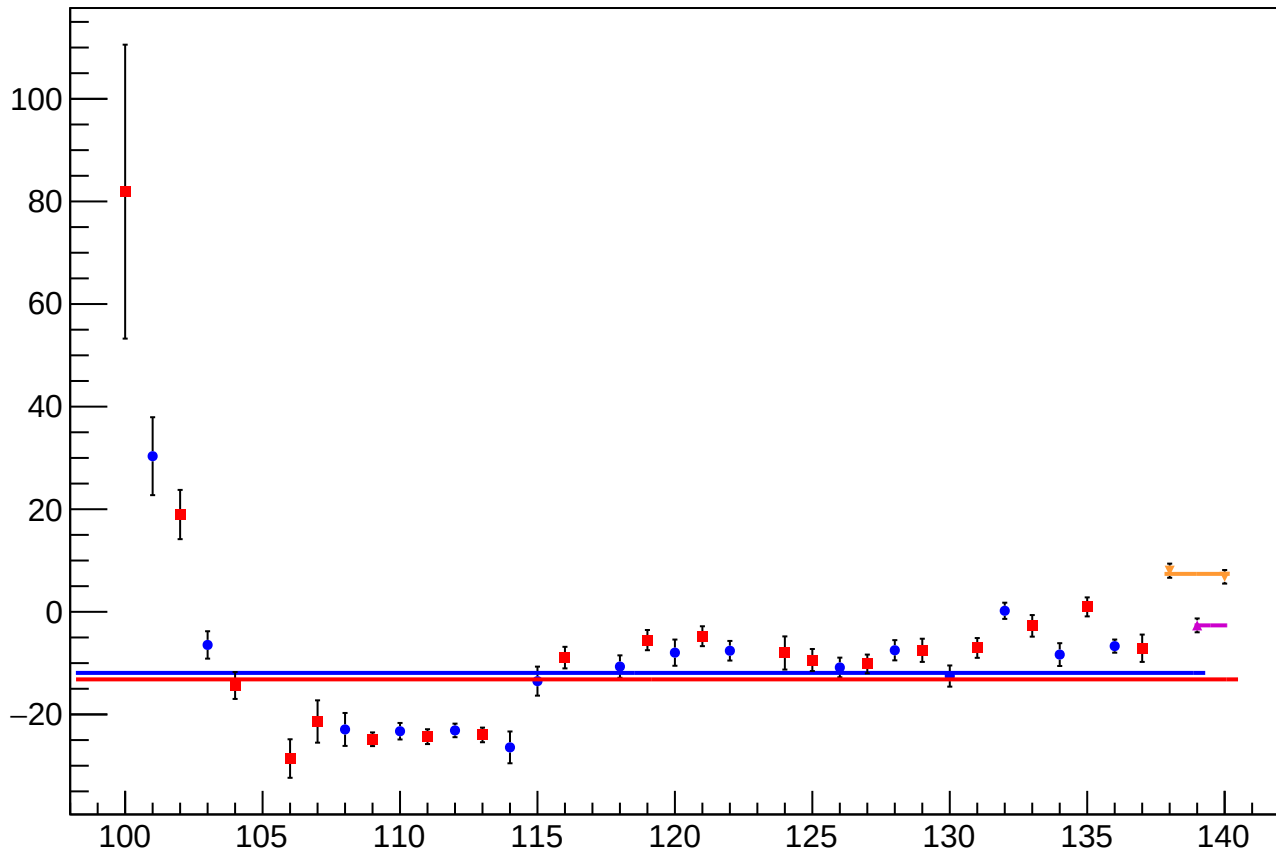
Left In: -37.342 ± 0.072 χ^2/NDF : 0.0/0

+ sign -34.251 ± 0.032 χ^2/NDF : 54768.8/17

All: -32.730 ± 0.023 χ^2/NDF : 164550.7/37

- sign -31.049 ± 0.034 χ^2/NDF : 105092.9/19

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906 ± 0.497 χ^2/NDF : 282.1/15

Left Out: 7.397 ± 0.955 χ^2/NDF : 0.4/1

Right Out: -13.169 ± 0.480 χ^2/NDF : 421.5/18

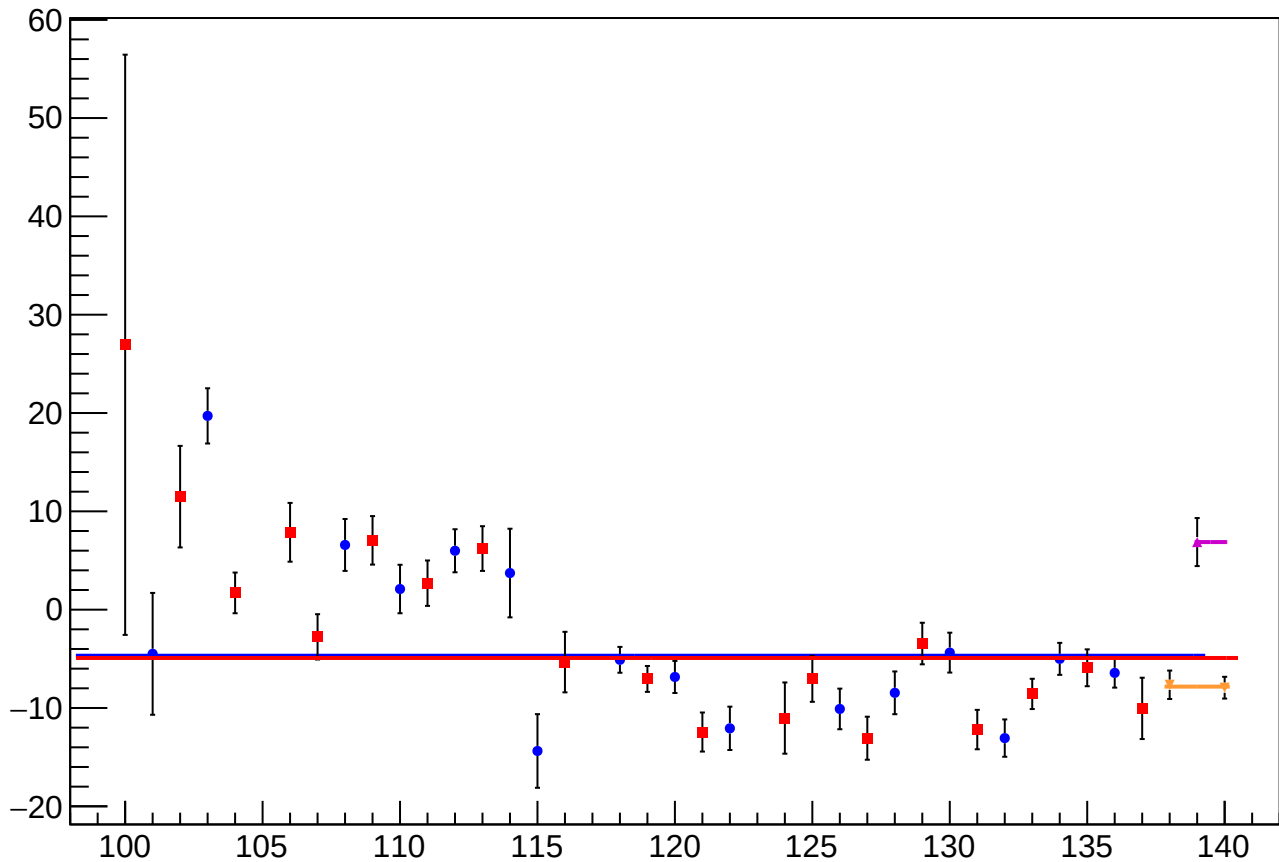
Left In: -2.642 ± 1.352 χ^2/NDF : 0.0/0

+ sign -7.797 ± 0.441 χ^2/NDF : 603.9/17

All: -9.838 ± 0.316 χ^2/NDF : 1123.4/37

- sign -11.990 ± 0.452 χ^2/NDF : 475.4/19

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686 ± 0.517 χ^2/NDF : 179.0/15

Left Out: -7.826 ± 0.879 χ^2/NDF : 0.0/1

Right Out: -4.913 ± 0.513 χ^2/NDF : 155.9/18

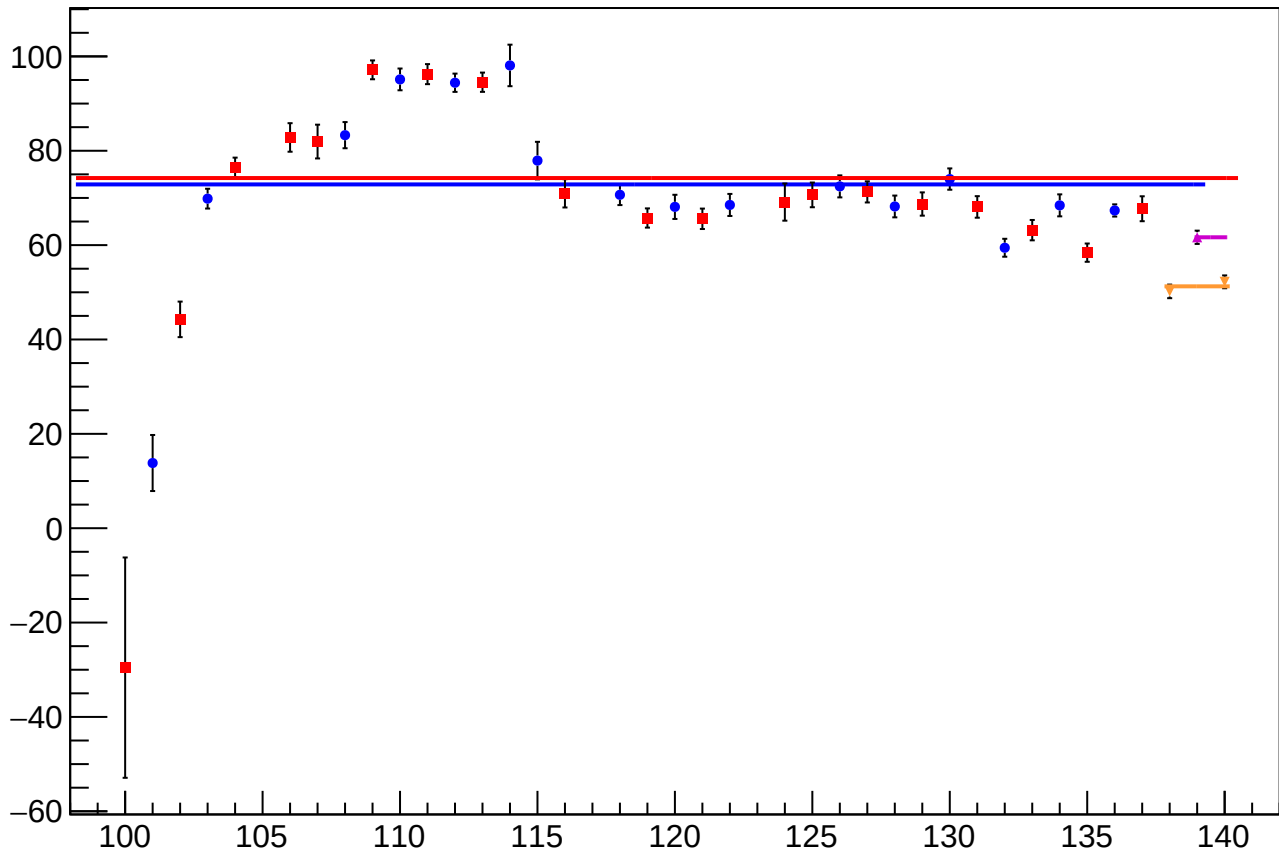
Left In: 6.875 ± 2.443 χ^2/NDF : 0.0/0

+ sign -5.493 ± 0.446 χ^2/NDF : 188.6/17

All: -5.018 ± 0.333 χ^2/NDF : 369.3/37

- sign -4.416 ± 0.502 χ^2/NDF : 178.2/19

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2 /NDF: 450.7/15

Left Out: 51.264+/-0.989 χ^2 /NDF: 1.0/1

Right Out: 74.217+/-0.562 χ^2 /NDF: 586.2/18

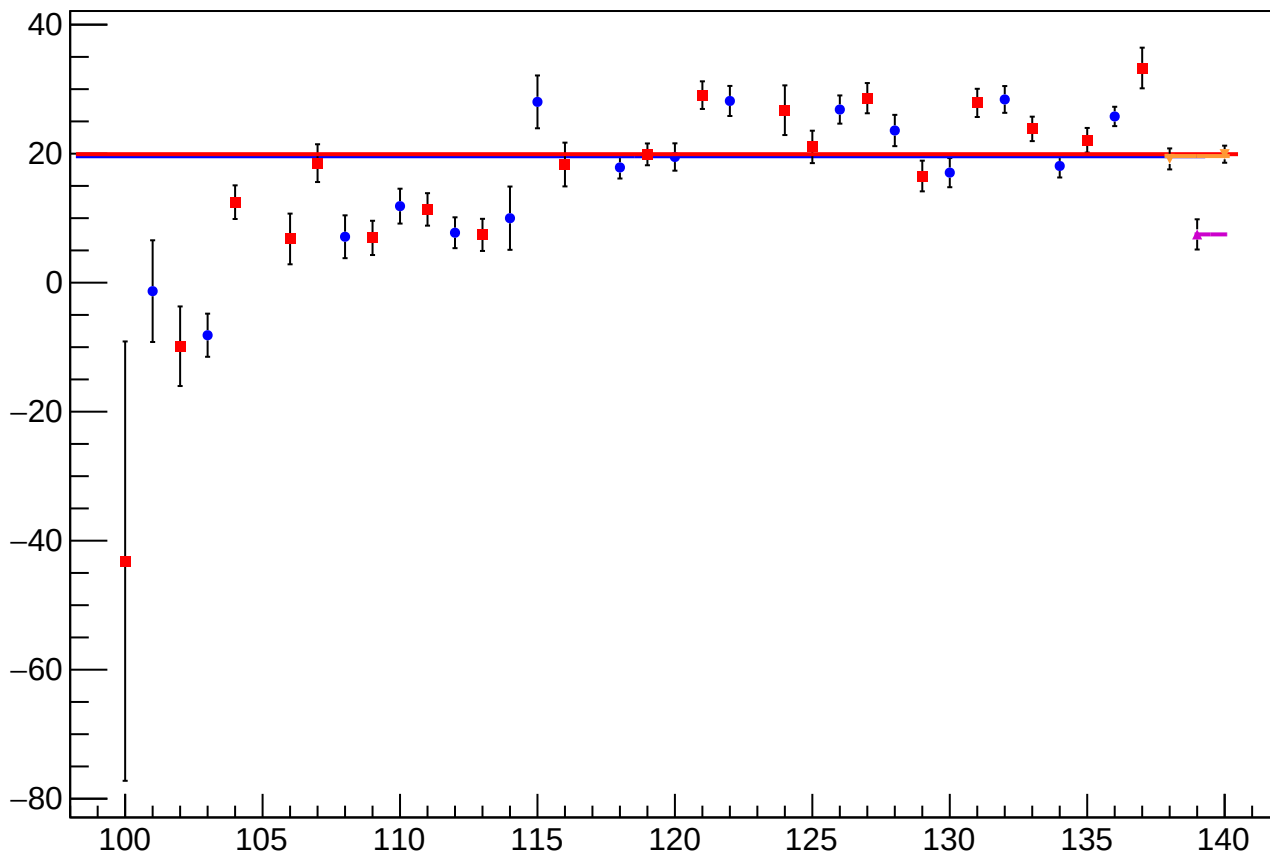
Left In: 61.660+/-1.408 χ^2 /NDF: 0.0/0

+ sign 67.549+/-0.491 χ^2 /NDF: 811.1/17

All: 69.867+/-0.358 χ^2 /NDF: 1513.4/37

- sign 72.490+/-0.522 χ^2 /NDF: 654.8/19

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF : 196.0/15

Left Out: 19.624+/-1.028 χ^2/NDF : 0.1/1

Right Out: 19.919+/-0.585 χ^2/NDF : 181.3/18

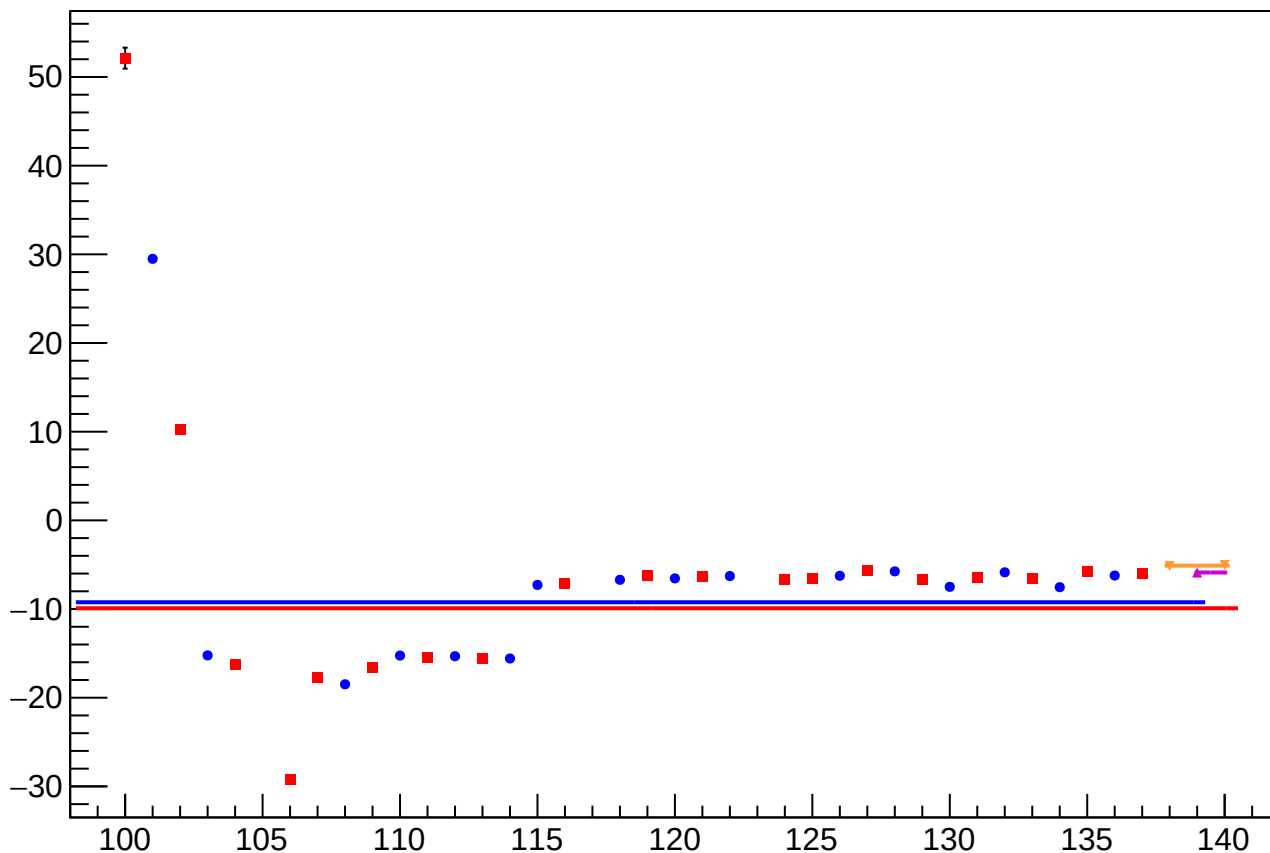
Left In: 7.482+/-2.343 χ^2/NDF : 0.0/0

+ sign 19.604+/-0.509 χ^2/NDF : 196.1/17

All: 19.419+/-0.379 χ^2/NDF : 404.3/37

- sign 19.189+/-0.568 χ^2/NDF : 207.9/19

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235 ± 0.033 χ^2/NDF : 31159.3/15

Left Out: -5.107 ± 0.041 χ^2/NDF : 2.1/1

Right Out: -9.913 ± 0.034 χ^2/NDF : 53863.3/18

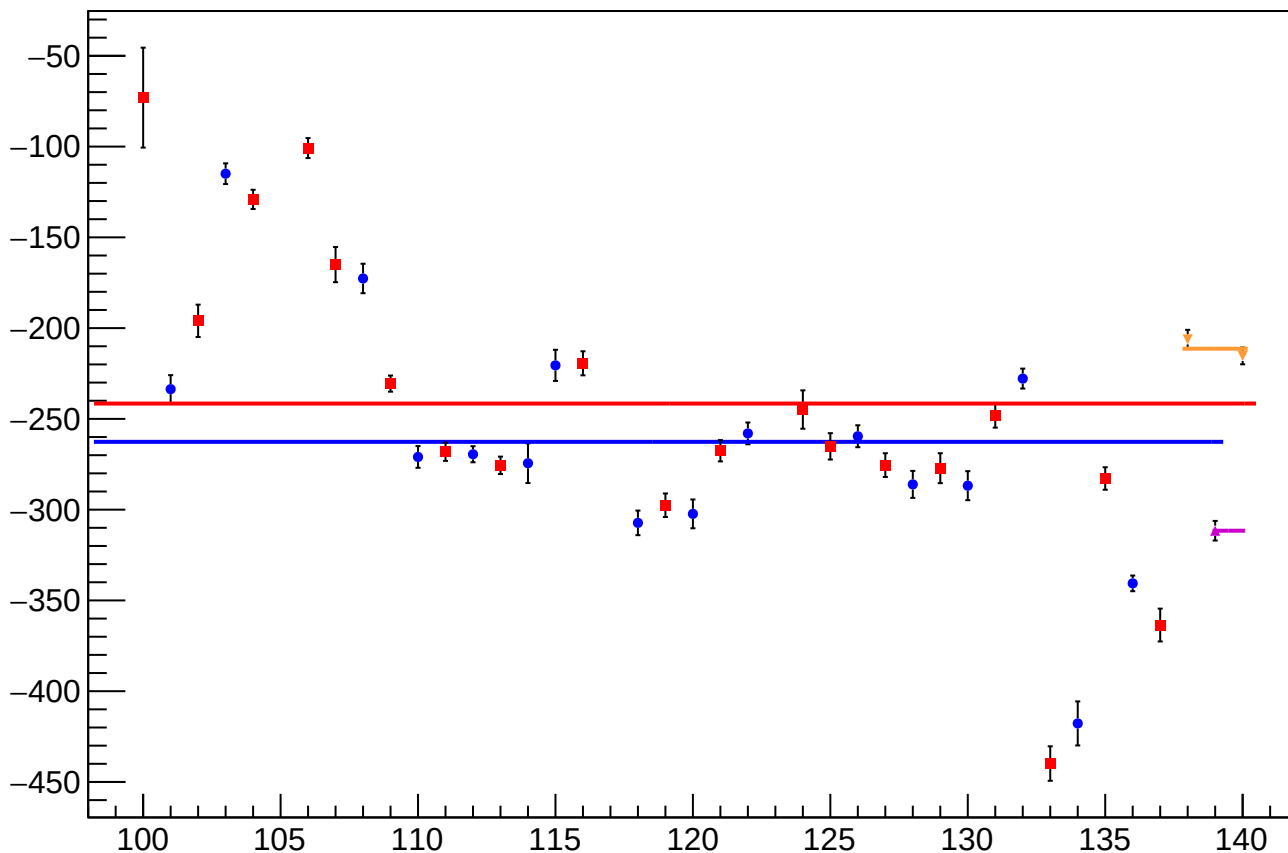
Left In: -5.879 ± 0.050 χ^2/NDF : 0.0/0

+ sign -7.637 ± 0.026 χ^2/NDF : 37276.5/17

All: -8.083 ± 0.019 χ^2/NDF : 96179.6/37

- sign -8.628 ± 0.028 χ^2/NDF : 58235.0/19

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF : 1454.3/15

Left Out: -211.339+/-3.465 χ^2/NDF : 1.7/1

Right Out: -241.548+/-1.506 χ^2/NDF : 2138.6/18

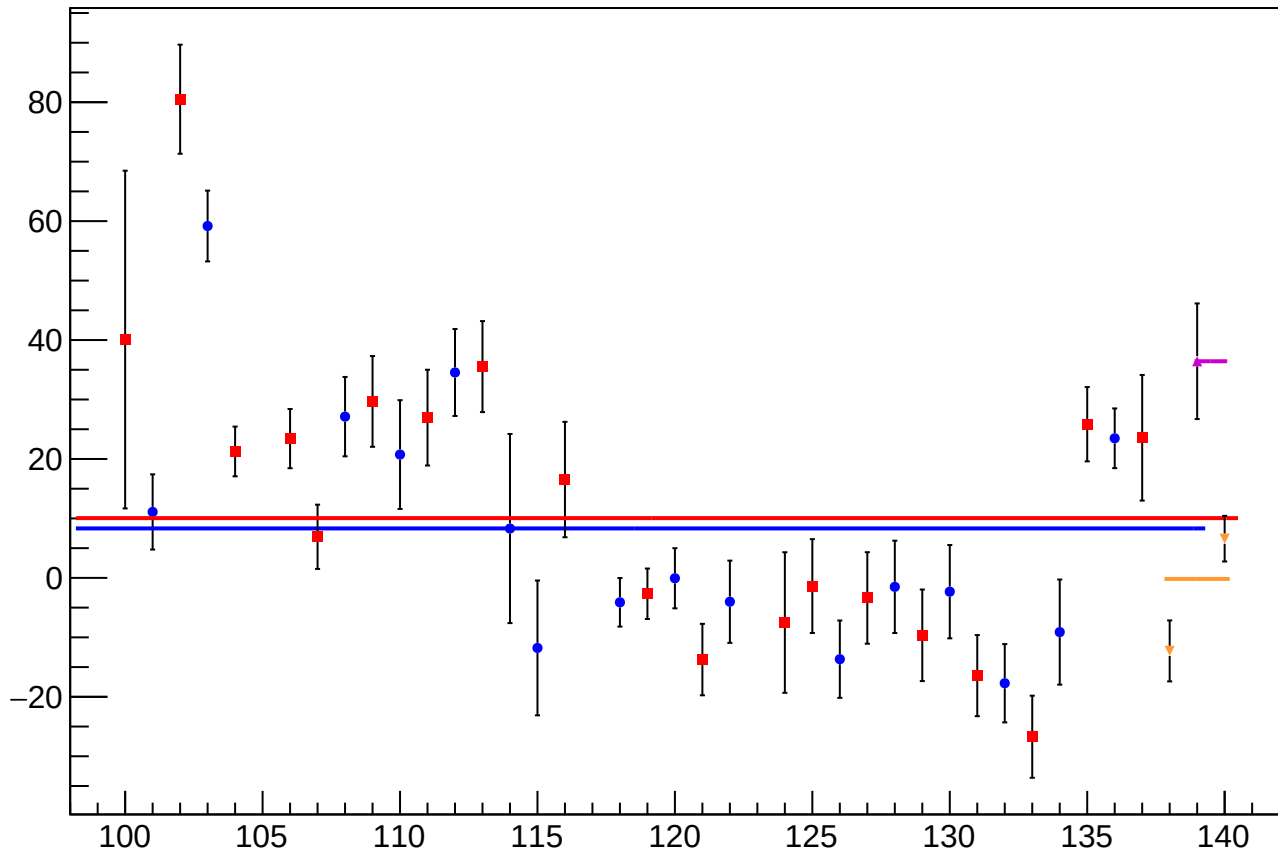
Left In: -311.605+/-5.400 χ^2/NDF : 0.0/0

+ sign -253.498+/-1.463 χ^2/NDF : 1636.2/17

All: -250.022+/-1.030 χ^2/NDF : 3942.1/37

- sign -246.604+/-1.451 χ^2/NDF : 2294.7/19

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320 ± 1.644 χ^2/NDF : 157.6/15

Left Out: -0.175 ± 3.071 χ^2/NDF : 8.7/1

Right Out: 10.052 ± 1.539 χ^2/NDF : 187.4/18

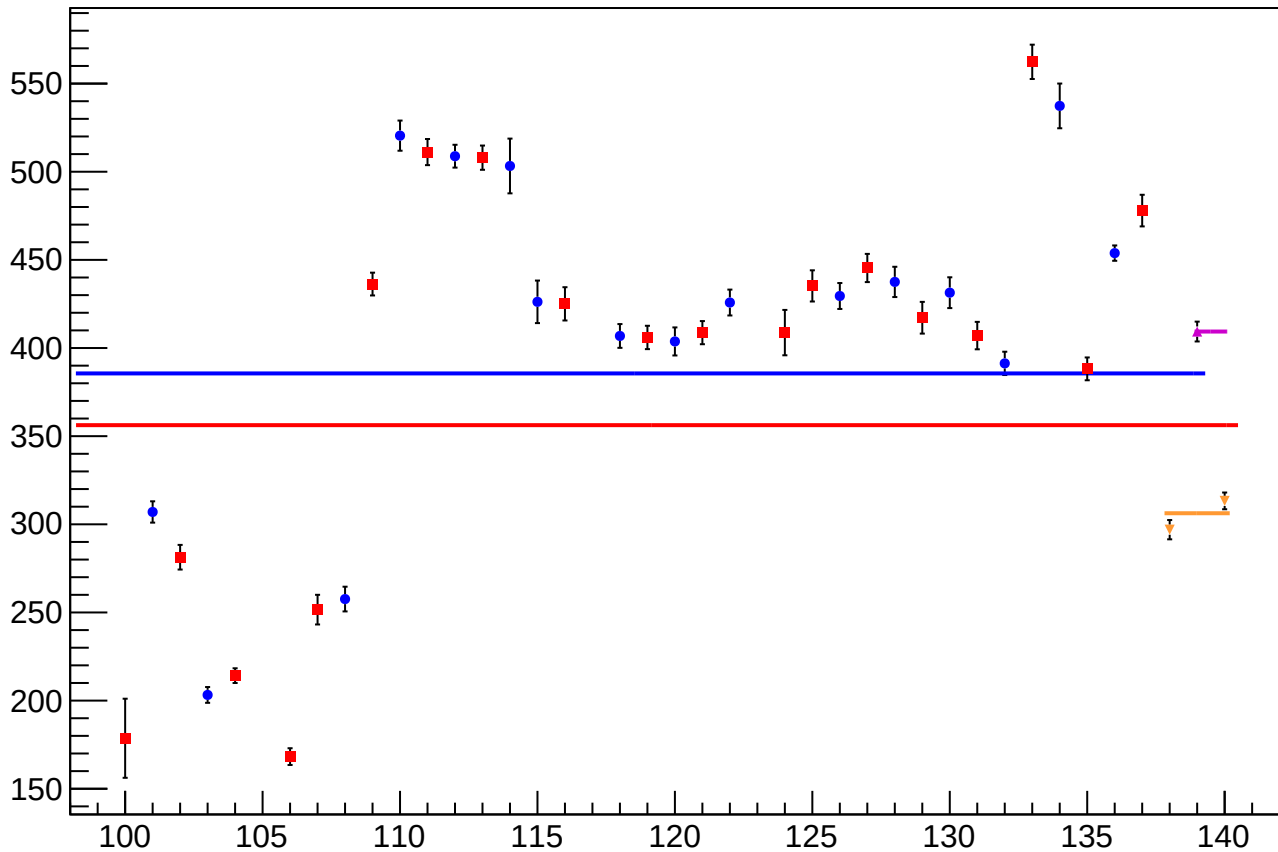
Left In: 36.434 ± 9.724 χ^2/NDF : 0.0/0

+ sign 6.427 ± 1.449 χ^2/NDF : 172.3/17

All: 8.461 ± 1.049 χ^2/NDF : 371.0/37

- sign 10.697 ± 1.520 χ^2/NDF : 194.6/19

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590 $\pm$ 1.742 χ^2 /NDF: 3373.1/15

Left Out: 306.280 $\pm$ 3.585 χ^2 /NDF: 5.1/1

Right Out: 356.245 $\pm$ 1.647 χ^2 /NDF: 5270.3/18

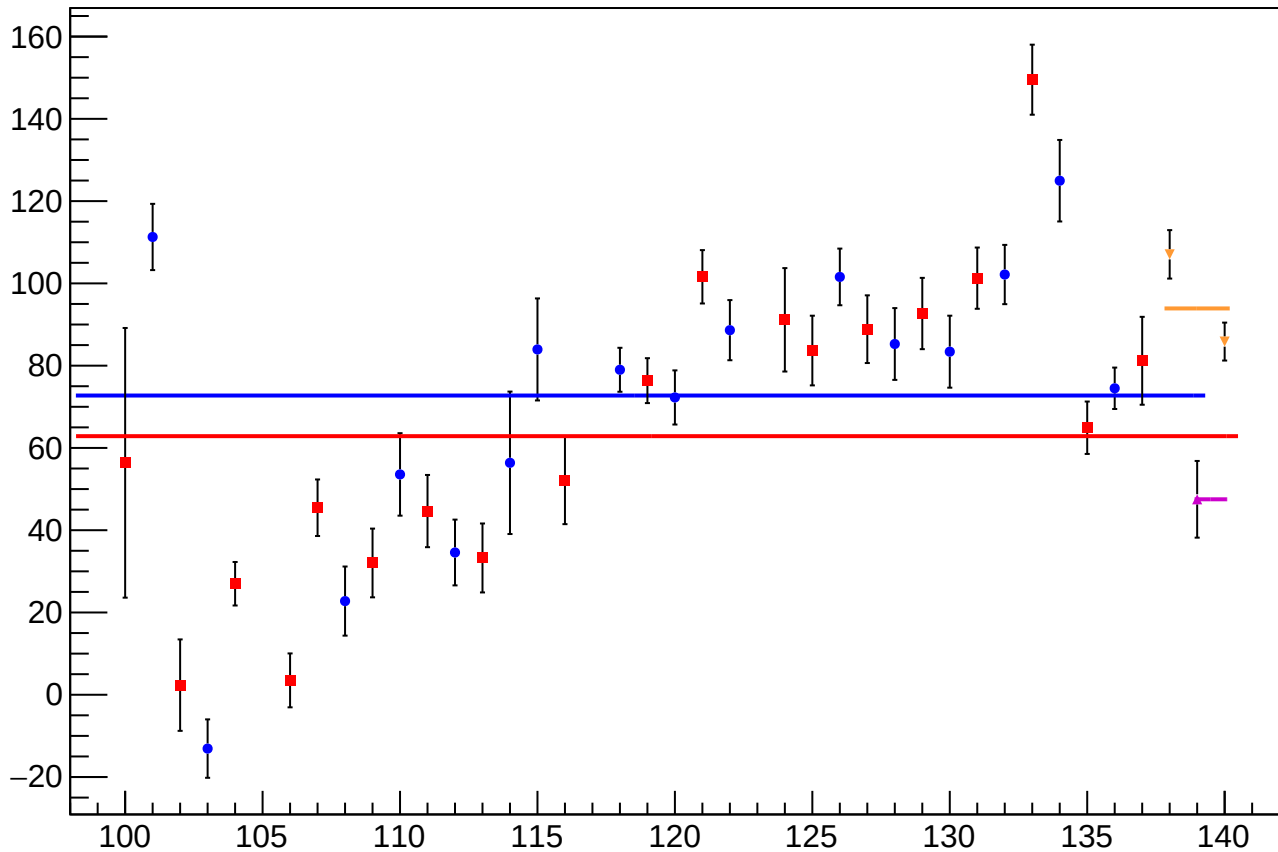
Left In: 409.347 $\pm$ 5.629 χ^2 /NDF: 0.0/0

+ sign 370.438 $\pm$ 1.567 χ^2 /NDF: 3774.1/17

All: 365.476 $\pm$ 1.113 χ^2 /NDF: 9146.5/37

- sign 360.430 $\pm$ 1.580 χ^2 /NDF: 5352.2/19

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740 $\pm$ 1.897 χ^2 /NDF: 304.3/15

Left Out: 93.910 $\pm$ 3.631 χ^2 /NDF: 8.0/1

Right Out: 62.863 $\pm$ 1.795 χ^2 /NDF: 403.6/18

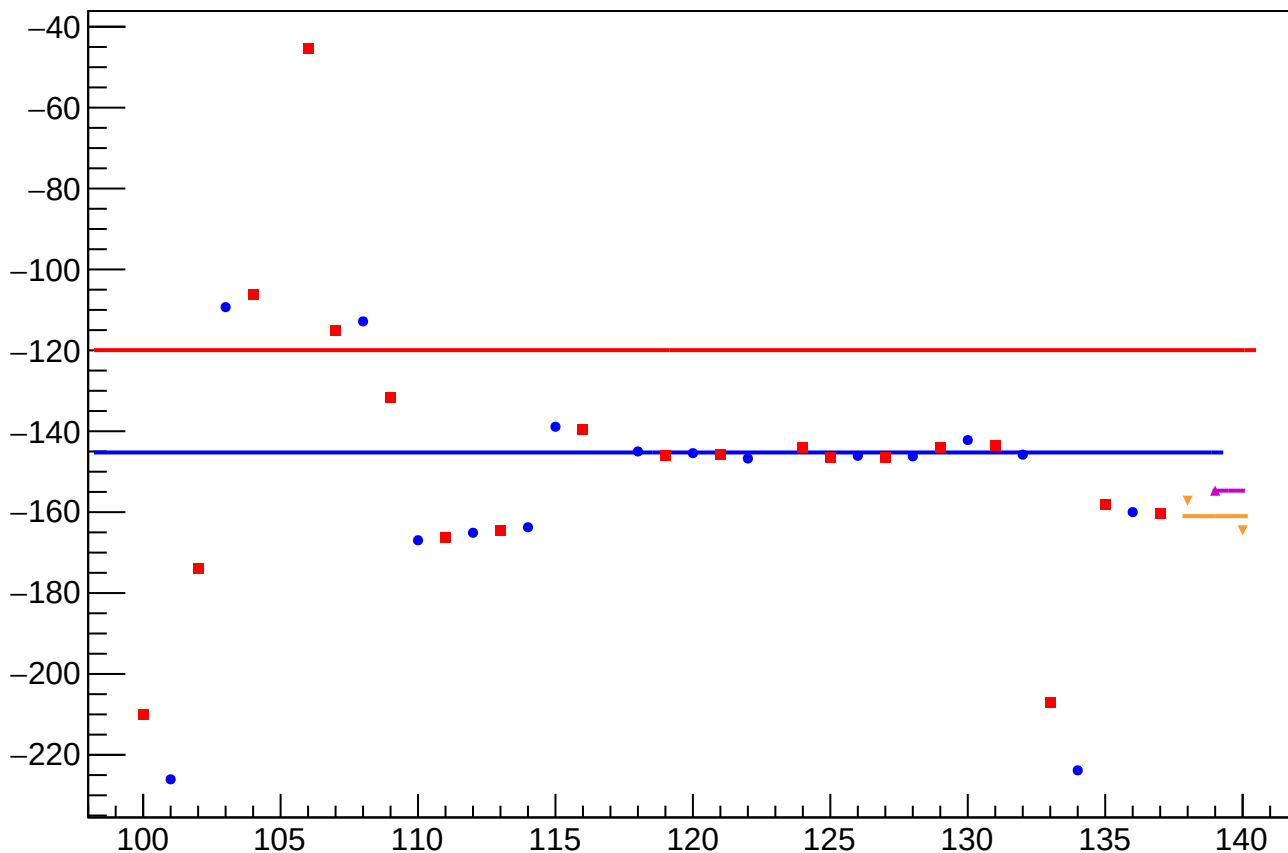
Left In: 47.513 $\pm$ 9.323 χ^2 /NDF: 0.0/0

+ sign 77.279 $\pm$ 1.681 χ^2 /NDF: 339.0/17

All: 70.149 $\pm$ 1.217 χ^2 /NDF: 783.0/37

- sign 62.314 $\pm$ 1.762 χ^2 /NDF: 406.2/19

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF : 132057.3/15

Left Out: -160.984+/-0.153 χ^2/NDF : 573.9/1

Right Out: -119.947+/-0.089 χ^2/NDF : 270354.1/18

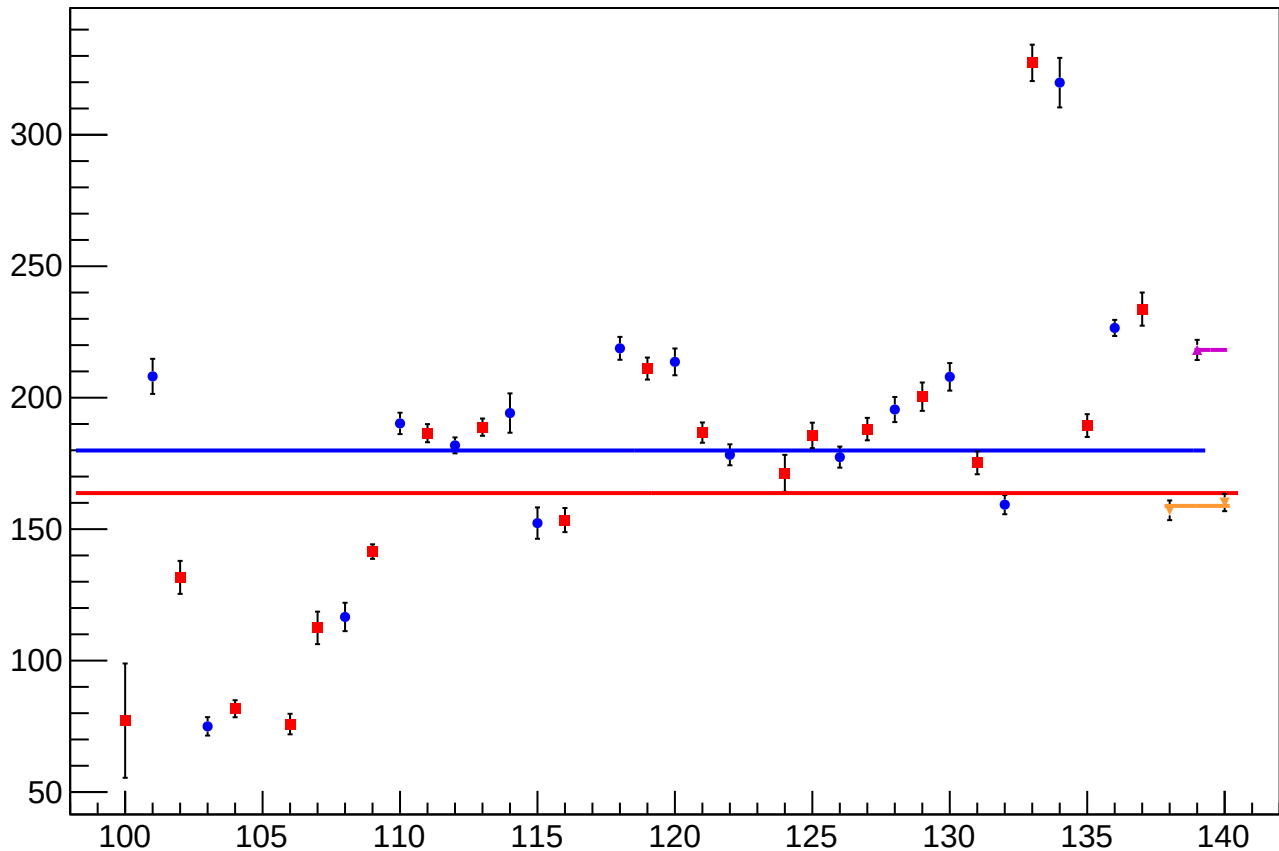
Left In: -154.687+/-0.201 χ^2/NDF : 0.0/0

+ sign -149.859+/-0.083 χ^2/NDF : 140137.9/17

All: -137.555+/-0.058 χ^2/NDF : 479078.2/37

- sign -125.643+/-0.081 χ^2/NDF : 295354.3/19

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918 $\pm$ 1.089 χ^2 /NDF: 1732.7/15

Left Out: 158.841 $\pm$ 2.468 χ^2 /NDF: 0.4/1

Right Out: 163.718 $\pm$ 1.001 χ^2 /NDF: 2416.8/18

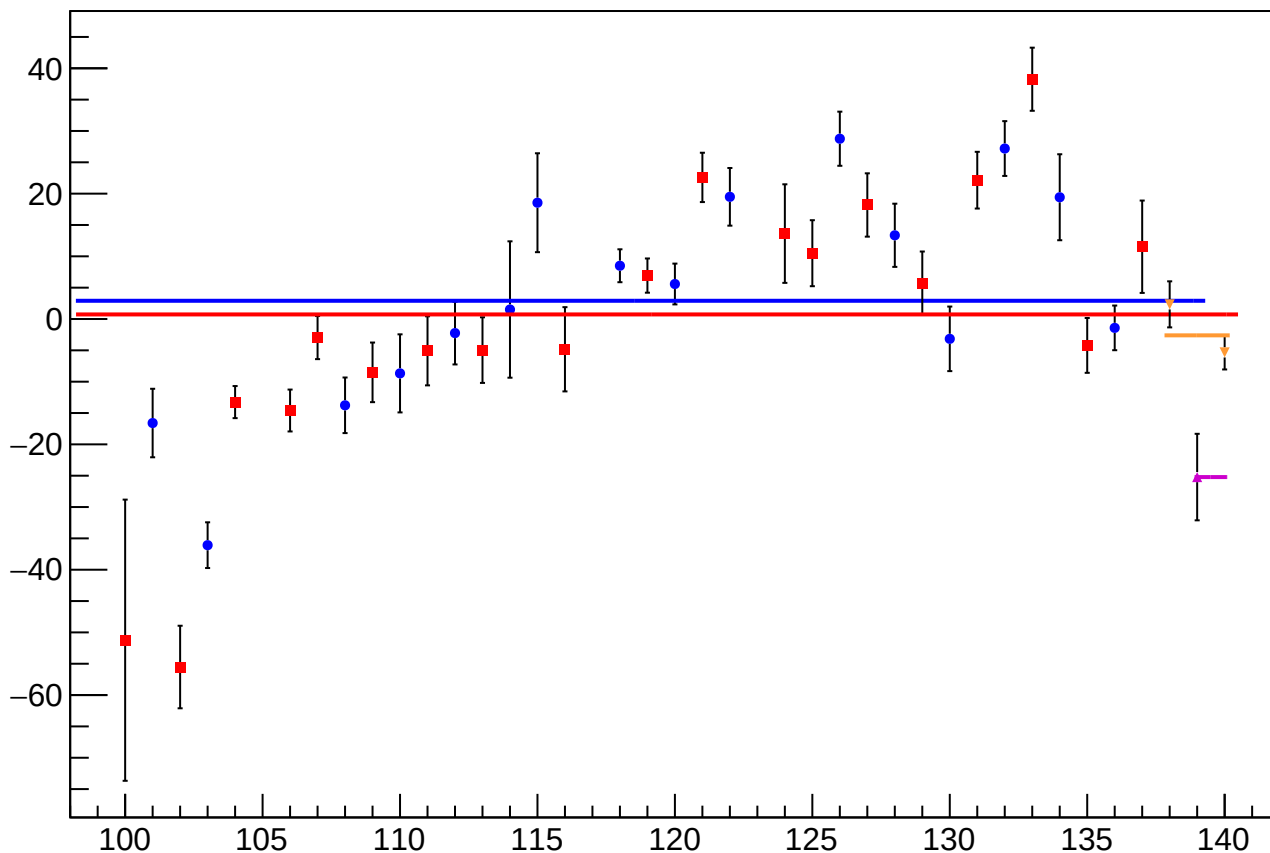
Left In: 218.173 $\pm$ 3.831 χ^2 /NDF: 0.0/0

+ sign 176.484 $\pm$ 0.996 χ^2 /NDF: 1794.1/17

All: 171.709 $\pm$ 0.694 χ^2 /NDF: 4444.8/37

- sign 167.197 $\pm$ 0.968 χ^2 /NDF: 2606.0/19

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907 ± 1.105 χ^2/NDF : 247.5/15

Left Out: -2.608 ± 2.188 χ^2/NDF : 2.8/1

Right Out: 0.729 ± 1.012 χ^2/NDF : 273.6/18

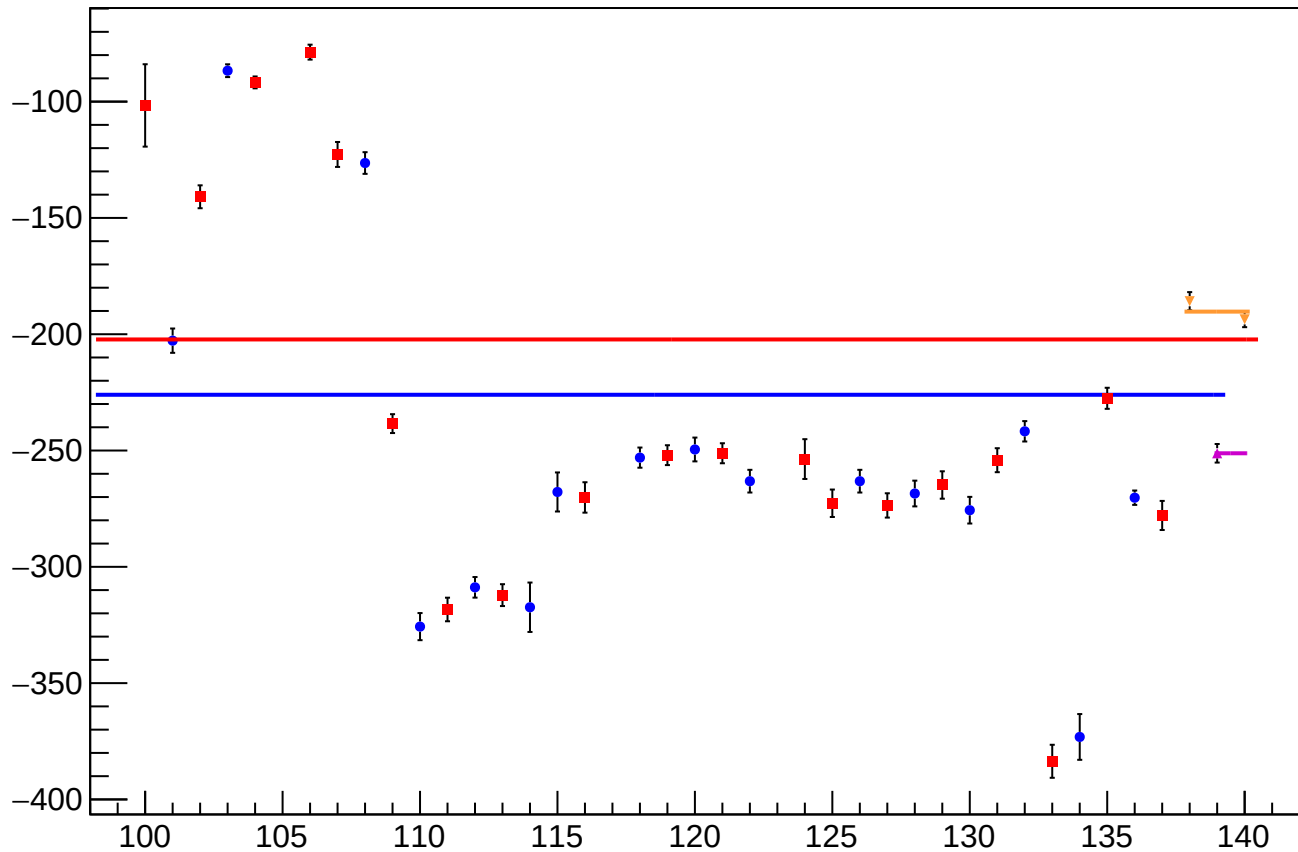
Left In: -25.220 ± 6.902 χ^2/NDF : 0.0/0

+ sign 1.787 ± 0.986 χ^2/NDF : 255.4/17

All: 0.997 ± 0.703 χ^2/NDF : 544.1/37

- sign 0.183 ± 1.001 χ^2/NDF : 287.4/19

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028 ± 1.175 χ^2/NDF : 4539.0/15

Left Out: -190.280 ± 2.553 χ^2/NDF : 2.3/1

Right Out: -202.247 ± 1.087 χ^2/NDF : 6690.8/18

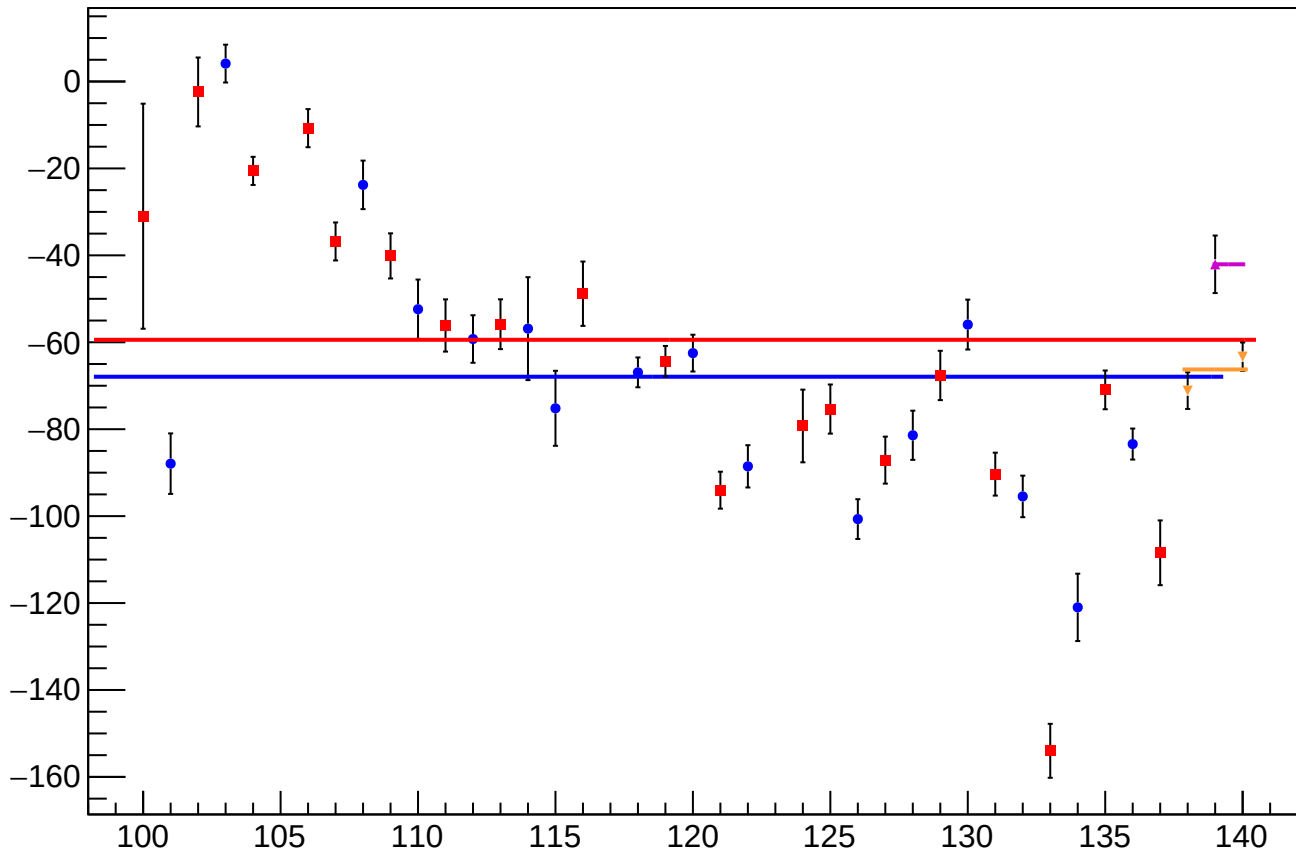
Left In: -251.183 ± 3.993 χ^2/NDF : 0.0/0

+ sign -219.780 ± 1.067 χ^2/NDF : 4703.1/17

All: -212.578 ± 0.748 χ^2/NDF : 11623.2/37

- sign -205.624 ± 1.049 χ^2/NDF : 6830.6/19

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927 ± 1.278 $\chi^2/\text{NDF}: 534.0/15$

Left Out: -66.255 ± 2.587 $\chi^2/\text{NDF}: 2.1/1$

Right Out: -59.428 ± 1.184 $\chi^2/\text{NDF}: 794.9/18$

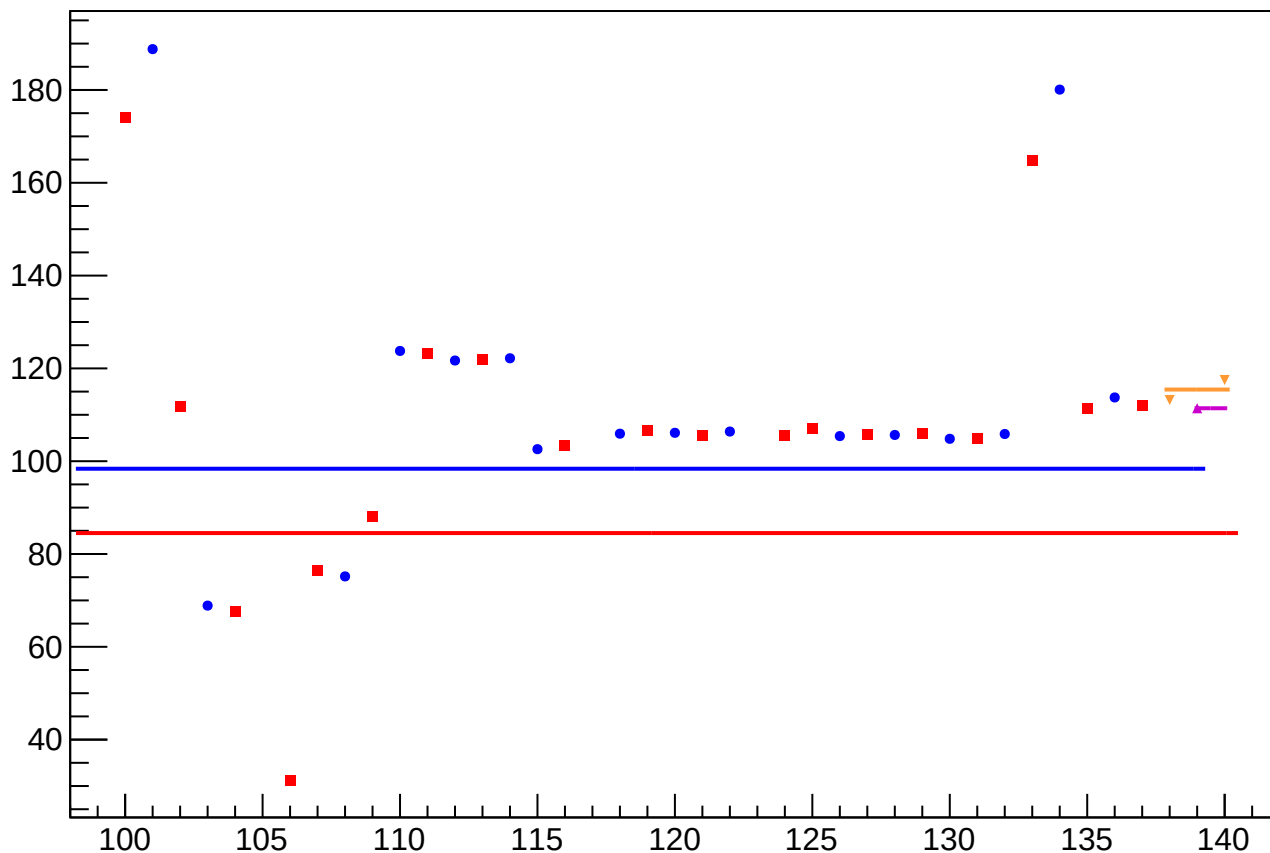
Left In: -42.062 ± 6.618 $\chi^2/\text{NDF}: 0.0/0$

+ sign -67.599 ± 1.146 $\chi^2/\text{NDF}: 536.5/17$

All: -63.318 ± 0.817 $\chi^2/\text{NDF}: 1366.4/37$

- sign -58.889 ± 1.166 $\chi^2/\text{NDF}: 801.5/19$

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF : 228419.7/15

Left Out: 115.444+/-0.109 χ^2/NDF : 391.6/1

Right Out: 84.512+/-0.061 χ^2/NDF : 268911.0/18

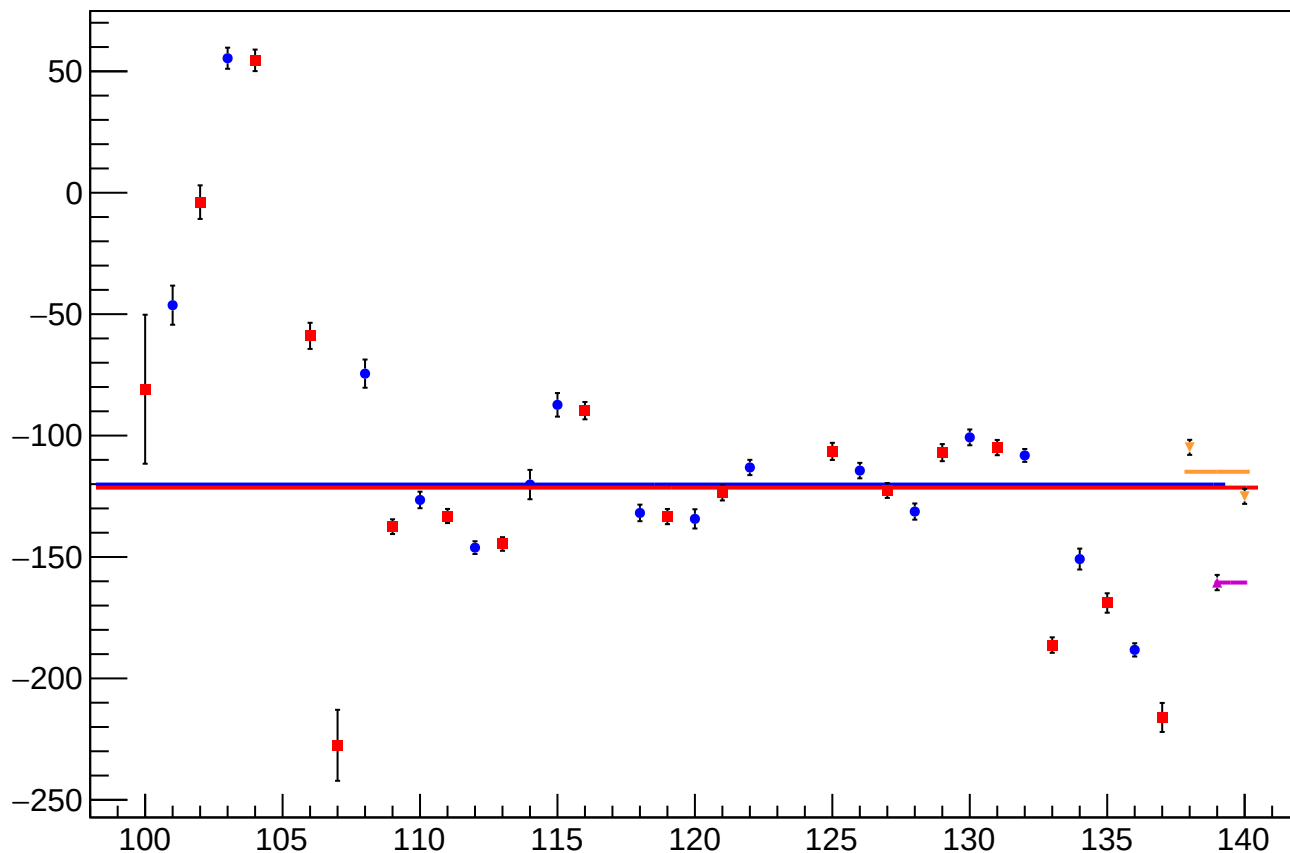
Left In: 111.412+/-0.143 χ^2/NDF : 0.0/0

+ sign 102.975+/-0.056 χ^2/NDF : 246805.6/17

All: 95.720+/-0.040 χ^2/NDF : 578520.3/37

- sign 88.630+/-0.056 χ^2/NDF : 299046.3/19

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2 /NDF: 2691.2/15

Left Out: -114.895+/-2.197 χ^2 /NDF:21.1/1

Right Out: -121.418+/-0.875 χ^2 /NDF: 3126.3/17

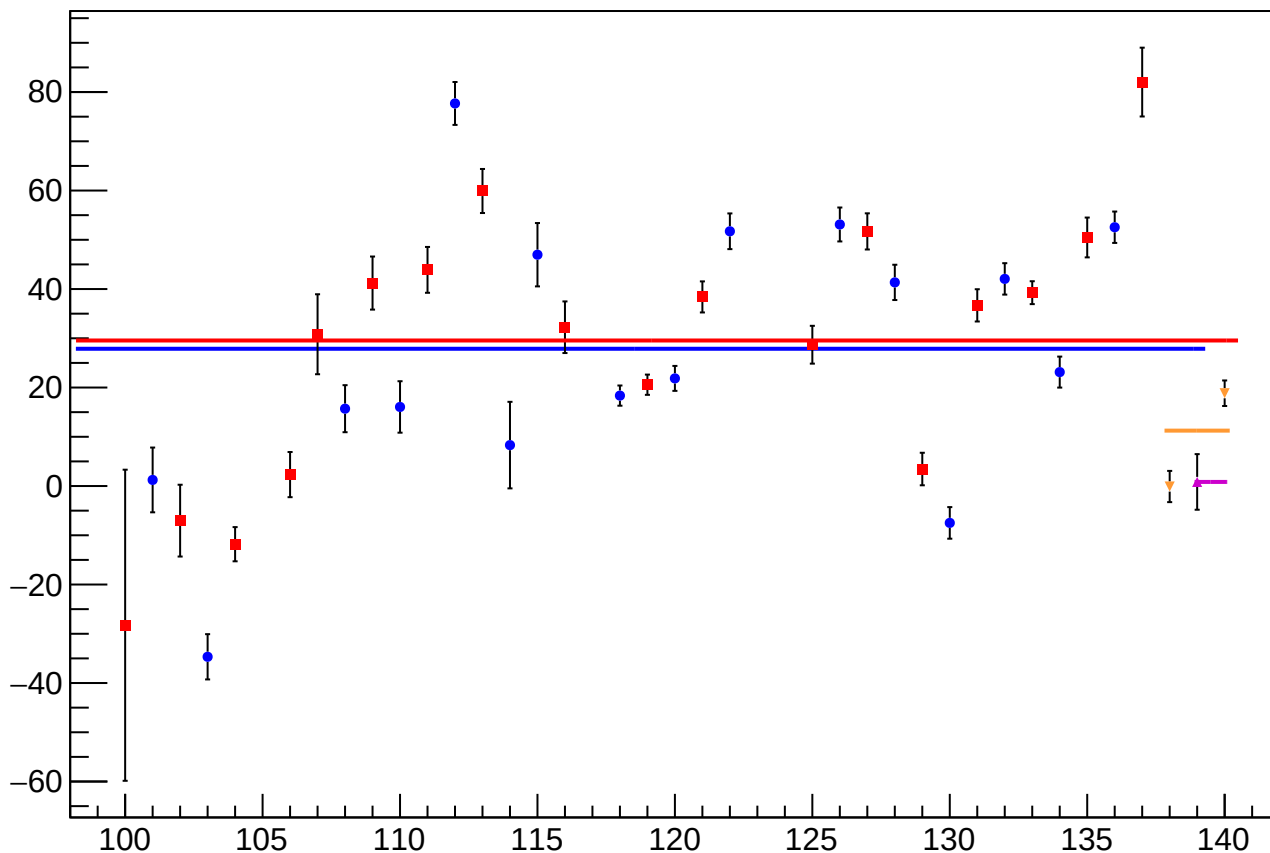
Left In: -160.525+/-3.150 χ^2 /NDF:0.0/0

+ sign -119.432+/-0.825 χ^2 /NDF: 2717.2/17

All: -121.775+/-0.590 χ^2 /NDF: 6003.1/36

- sign -124.221+/-0.843 χ^2 /NDF: 3269.4/18

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.872 ± 0.888 χ^2/NDF : 699.6/15

Left Out: 11.250 ± 2.008 χ^2/NDF : 21.4/1

Right Out: 29.553 ± 0.890 χ^2/NDF : 497.5/17

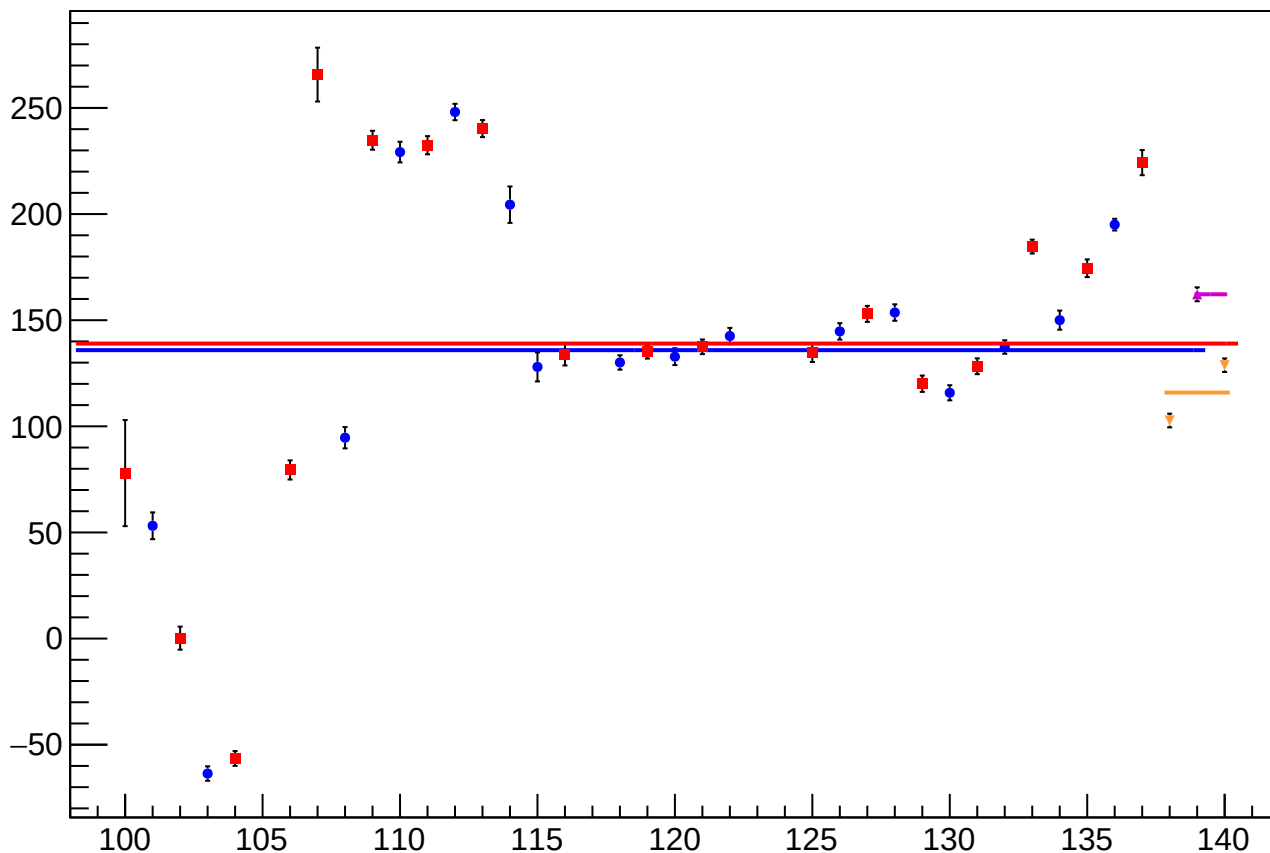
Left In: 0.833 ± 5.646 χ^2/NDF : 0.0/0

+ sign 25.151 ± 0.812 χ^2/NDF : 778.3/17

All: 26.858 ± 0.596 χ^2/NDF : 1310.7/36

- sign 28.857 ± 0.879 χ^2/NDF : 522.7/18

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 135.883 $\pm$ 0.999 χ^2 /NDF: 5463.6/15

Left Out: 115.911 $\pm$ 2.276 χ^2 /NDF:32.8/1

Right Out: 138.985 $\pm$ 0.998 χ^2 /NDF: 6156.4/17

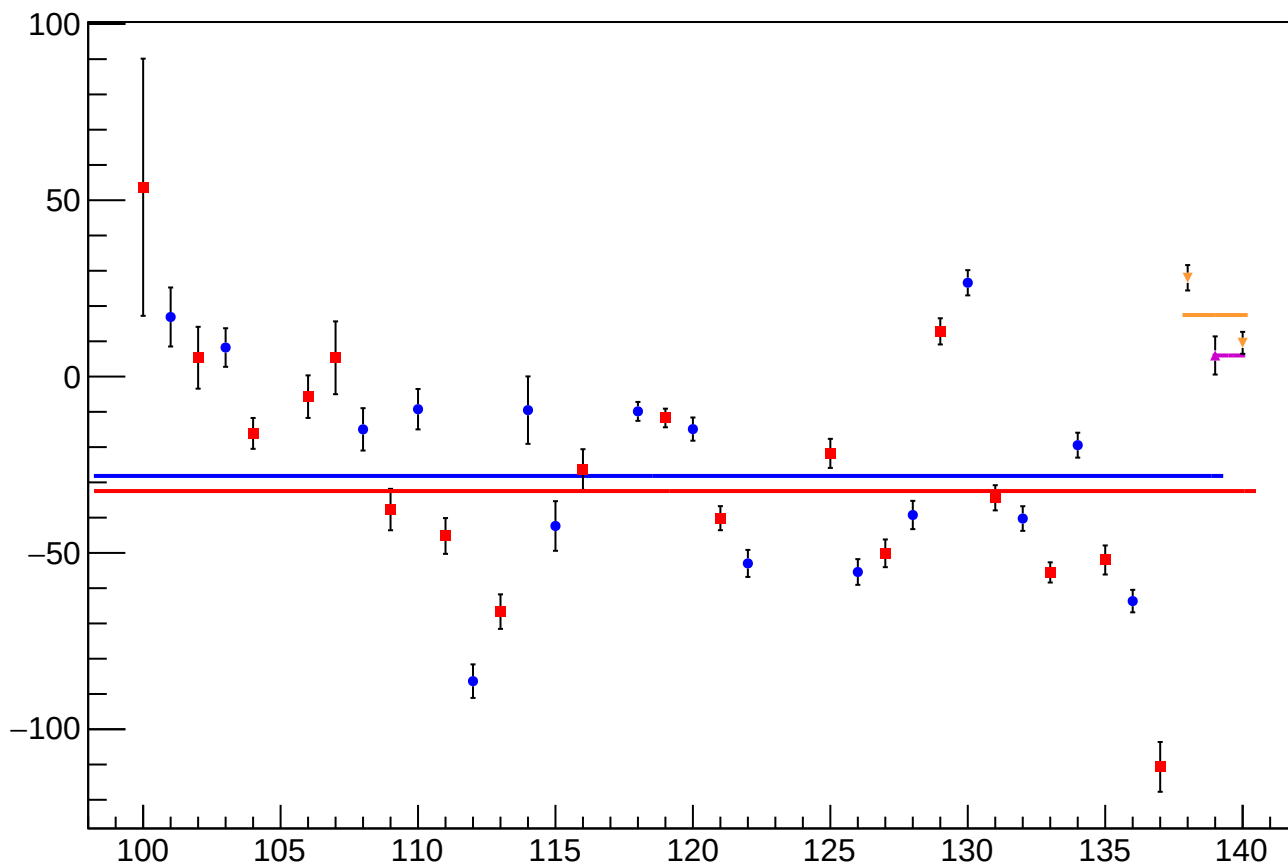
Left In: 162.207 $\pm$ 3.286 χ^2 /NDF:0.0/0

+ sign 132.660 $\pm$ 0.914 χ^2 /NDF: 5561.0/17

All: 136.623 $\pm$ 0.661 χ^2 /NDF: 11802.4/36

- sign 140.947 $\pm$ 0.955 χ^2 /NDF: 6202.1/18

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -28.175 ± 1.022 χ^2/NDF : 791.2/15

Left Out: 17.458 ± 2.354 χ^2/NDF : 15.0/1

Right Out: -32.459 ± 1.027 χ^2/NDF : 580.8/17

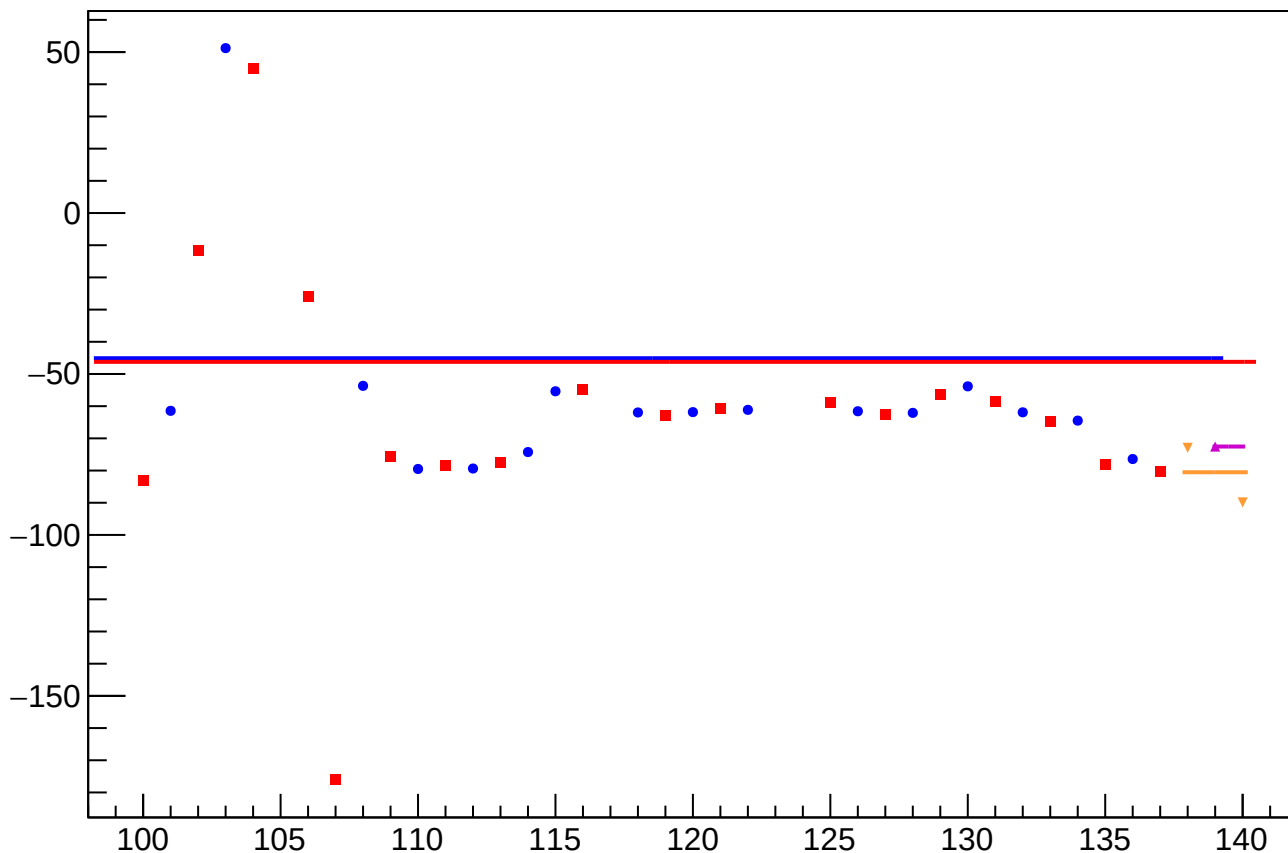
Left In: 5.985 ± 5.411 χ^2/NDF : 0.0/0

+ sign -20.936 ± 0.938 χ^2/NDF : 1122.4/17

All: -25.654 ± 0.687 χ^2/NDF : 1806.6/36

- sign -31.122 ± 1.009 χ^2/NDF : 629.6/18

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -45.106 ± 0.060 $\chi^2/\text{NDF}: 575184.2/15$

Left Out: -80.531 ± 0.095 $\chi^2/\text{NDF}: 7799.5/1$

Right Out: -46.229 ± 0.063 $\chi^2/\text{NDF}: 493616.3/17$

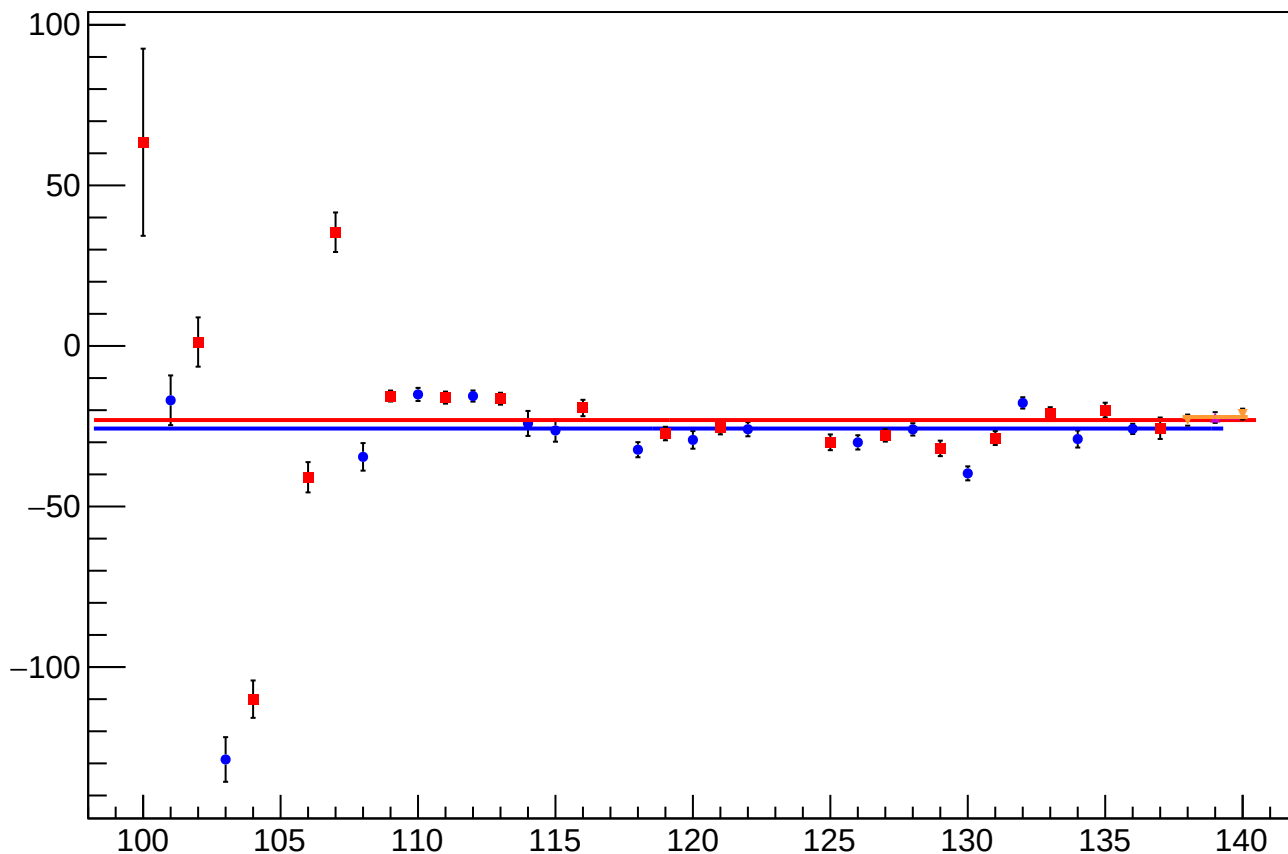
Left In: -72.539 ± 0.117 $\chi^2/\text{NDF}: 0.0/0$

+ sign -55.164 ± 0.051 $\chi^2/\text{NDF}: 681520.8/17$

All: -53.762 ± 0.037 $\chi^2/\text{NDF}: 1216327.1/36$

- sign -52.115 ± 0.055 $\chi^2/\text{NDF}: 533155.2/18$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721 ± 0.590 χ^2/NDF : 363.0/15

Left Out: -22.131 ± 1.206 χ^2/NDF : 0.6/1

Right Out: -23.079 ± 0.582 χ^2/NDF : 437.1/17

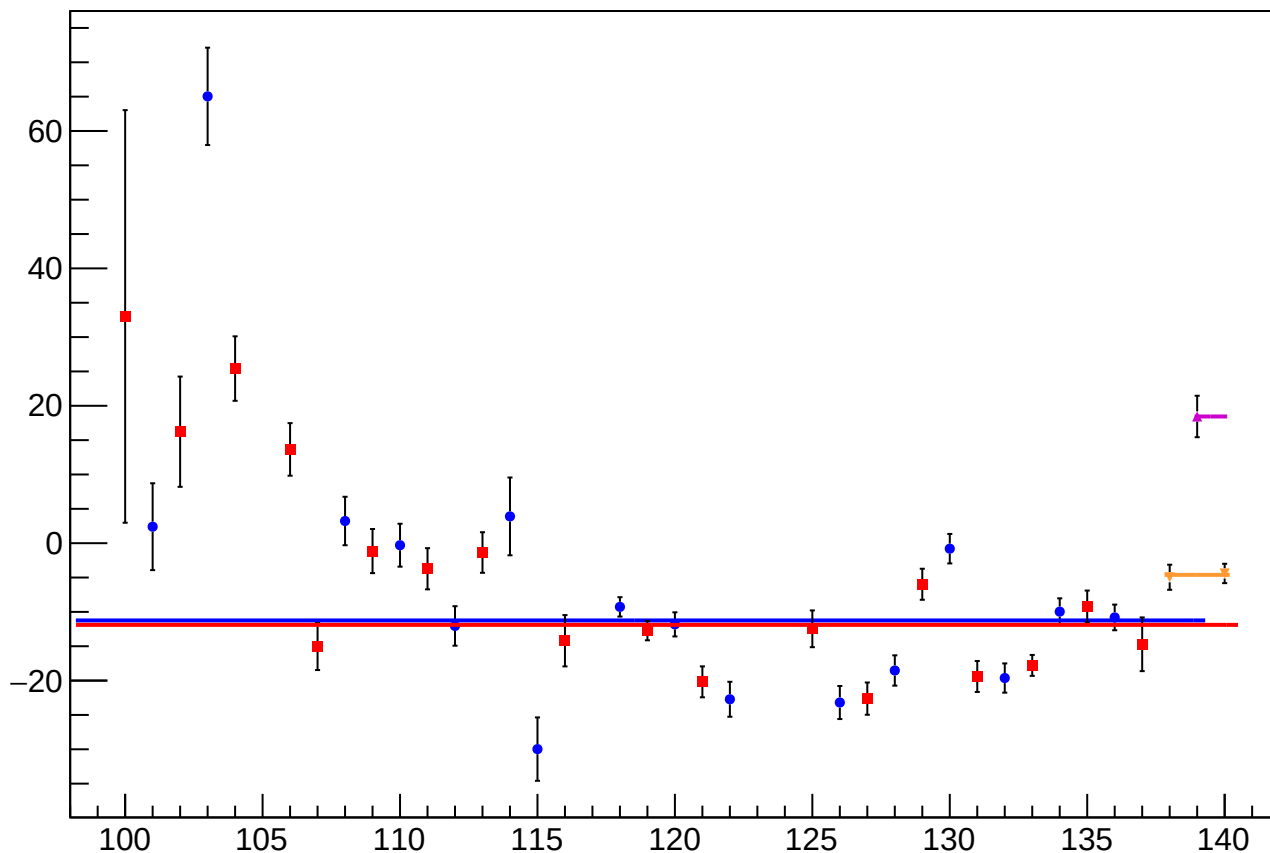
Left In: -22.291 ± 1.670 χ^2/NDF : 0.0/0

+ sign -25.028 ± 0.530 χ^2/NDF : 370.8/17

All: -24.047 ± 0.382 χ^2/NDF : 815.2/36

- sign -22.994 ± 0.549 χ^2/NDF : 437.3/18

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -11.246 ± 0.600 χ^2/NDF : 271.1/15

Left Out: -4.612 ± 1.116 χ^2/NDF : 0.1/1

Right Out: -11.890 ± 0.607 χ^2/NDF : 224.5/17

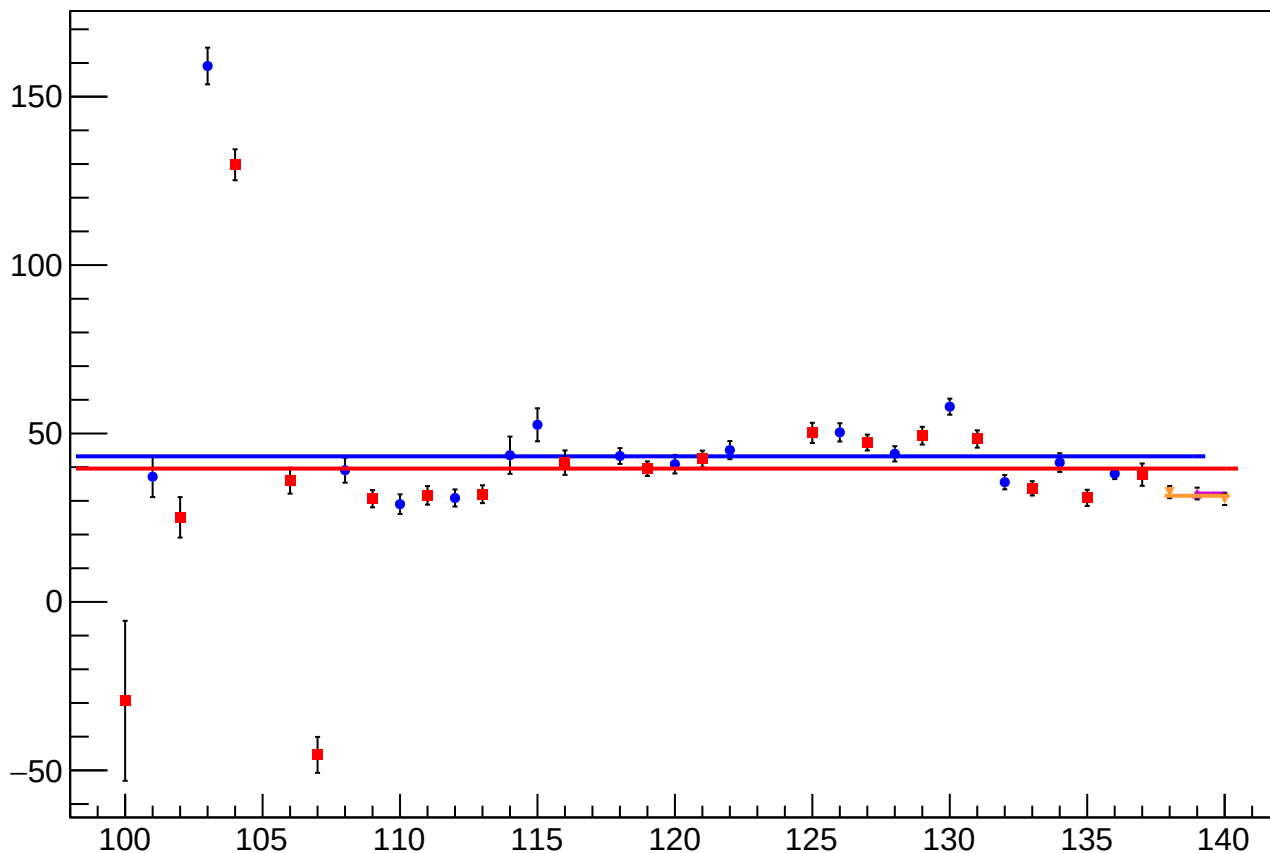
Left In: 18.443 ± 3.018 χ^2/NDF : 0.0/0

+ sign -9.758 ± 0.528 χ^2/NDF : 298.6/17

All: -10.178 ± 0.395 χ^2/NDF : 621.5/36

- sign -10.711 ± 0.595 χ^2/NDF : 321.5/18

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 43.222 $\pm$ 0.678 χ^2 /NDF: 576.0/15

Left Out: 31.510 $\pm$ 1.249 χ^2 /NDF: 0.7/1

Right Out: 39.587 $\pm$ 0.685 χ^2 /NDF: 754.0/17

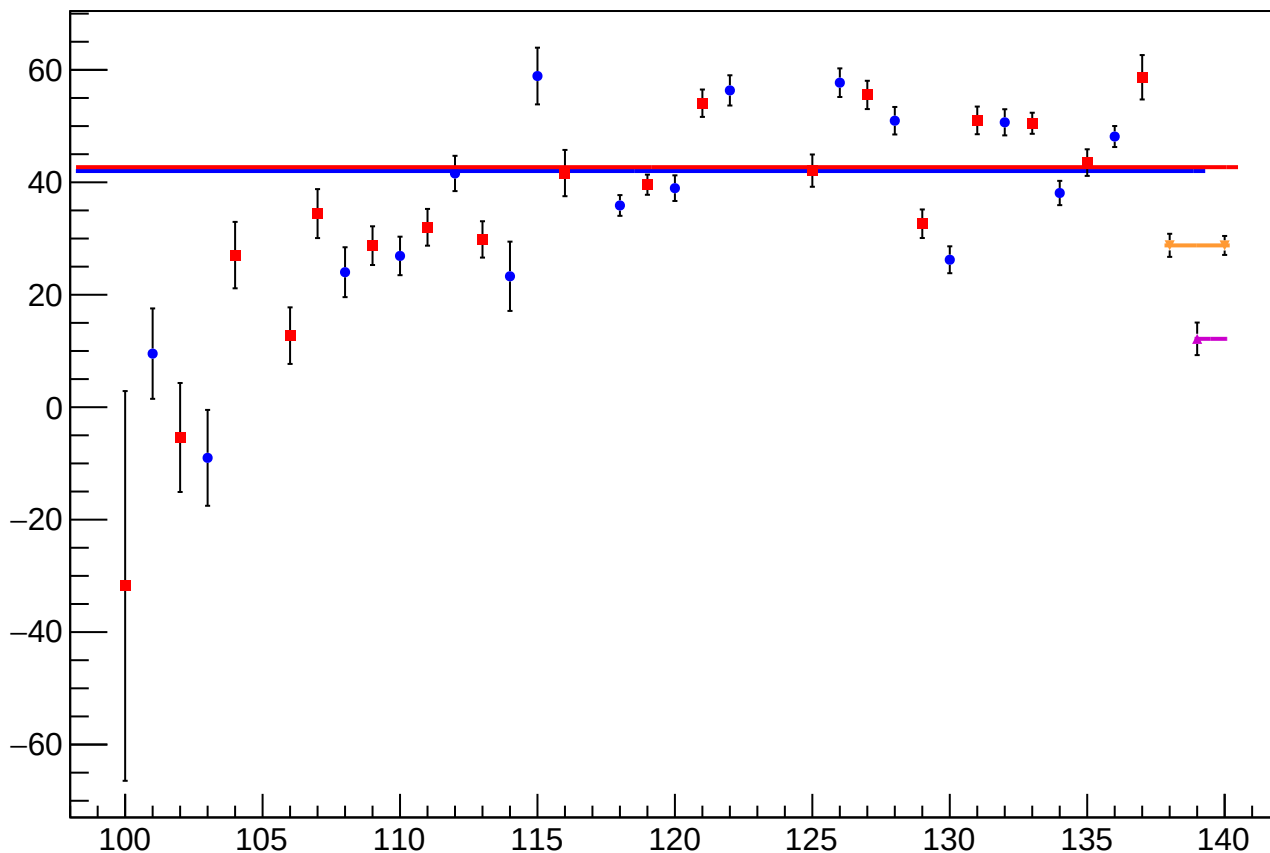
Left In: 32.184 $\pm$ 1.740 χ^2 /NDF: 0.0/0

+ sign 40.557 $\pm$ 0.596 χ^2 /NDF: 644.6/17

All: 39.641 $\pm$ 0.435 χ^2 /NDF: 1419.3/36

- sign 38.595 $\pm$ 0.637 χ^2 /NDF: 769.7/18

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 42.006 $\pm$ 0.684 χ^2 /NDF: 272.7/15

Left Out: 28.779 $\pm$ 1.303 χ^2 /NDF: 0.0/1

Right Out: 42.696 $\pm$ 0.695 χ^2 /NDF: 230.3/17

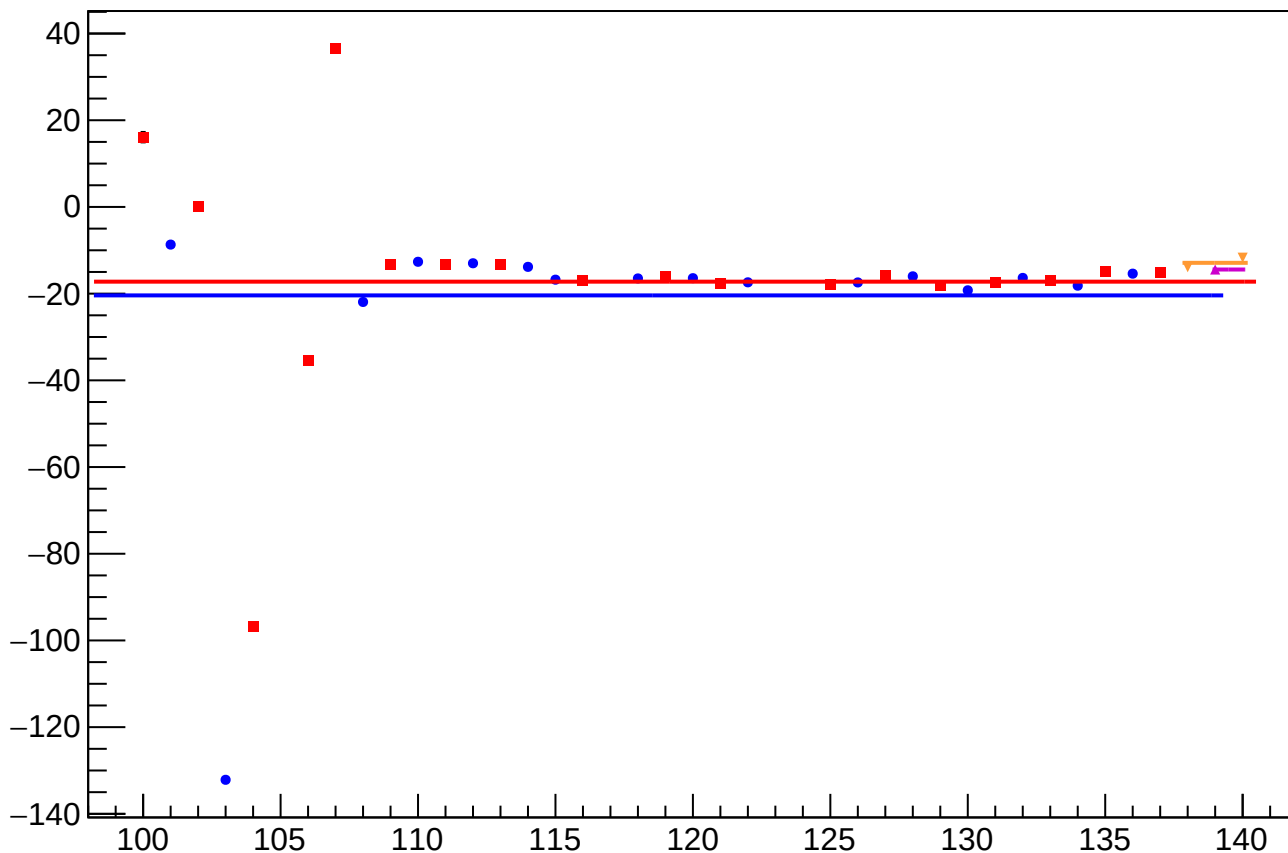
Left In: 12.161 $\pm$ 2.895 χ^2 /NDF: 0.0/0

+ sign 39.151 $\pm$ 0.605 χ^2 /NDF: 353.5/17

All: 39.989 $\pm$ 0.451 χ^2 /NDF: 693.3/36

- sign 41.033 $\pm$ 0.676 χ^2 /NDF: 335.5/18

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -20.405 ± 0.042 $\chi^2/\text{NDF}: 245611.9/15$

Left Out: -12.891 ± 0.052 $\chi^2/\text{NDF}: 444.5/1$

Right Out: -17.236 ± 0.044 $\chi^2/\text{NDF}: 204657.3/17$

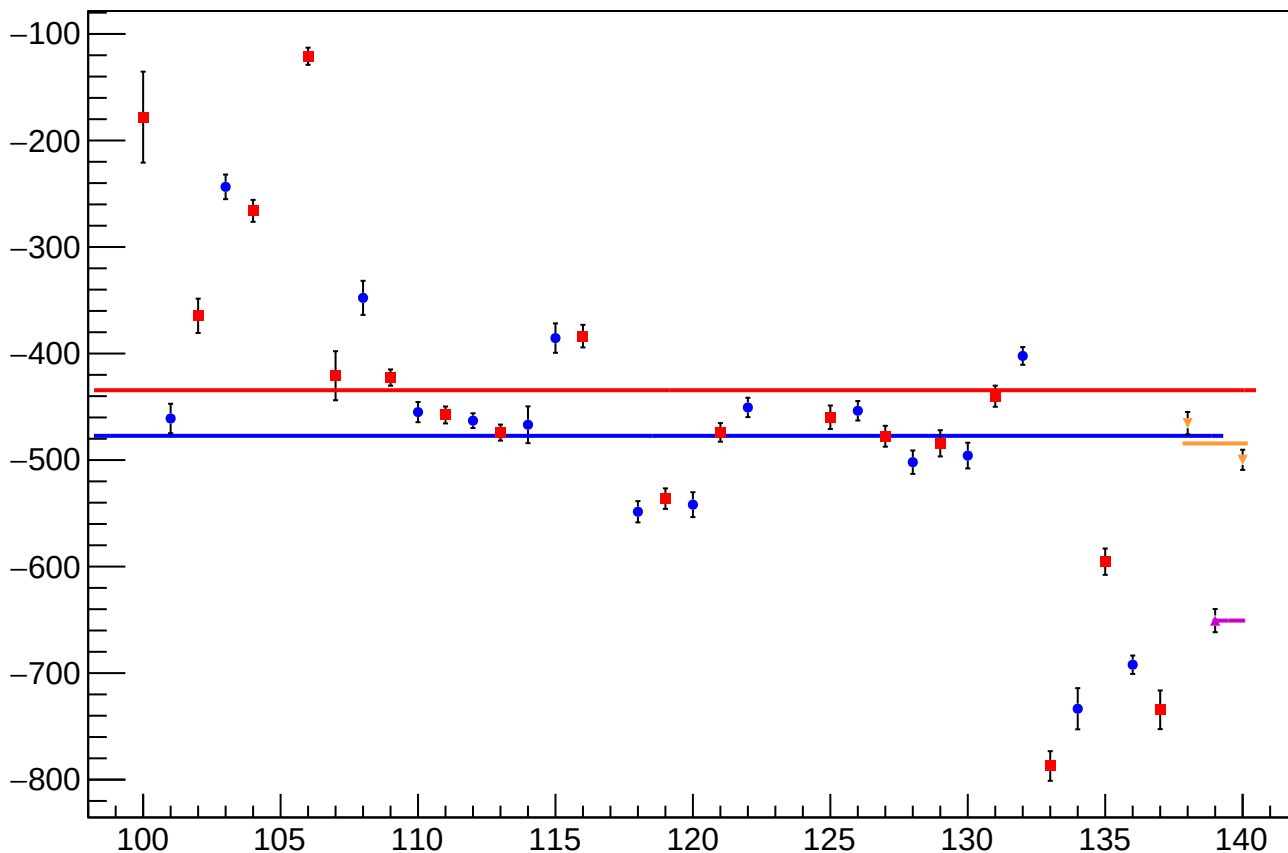
Left In: -14.435 ± 0.062 $\chi^2/\text{NDF}: 0.0/0$

+ sign -17.453 ± 0.033 $\chi^2/\text{NDF}: 258687.8/17$

All: -16.932 ± 0.024 $\chi^2/\text{NDF}: 465255.6/36$

- sign -16.300 ± 0.036 $\chi^2/\text{NDF}: 206005.5/18$

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: -484.403+/-7.032 χ^2/NDF : 5.9/1

Right Out: -434.437+/-2.464 χ^2/NDF : 3161.9/17

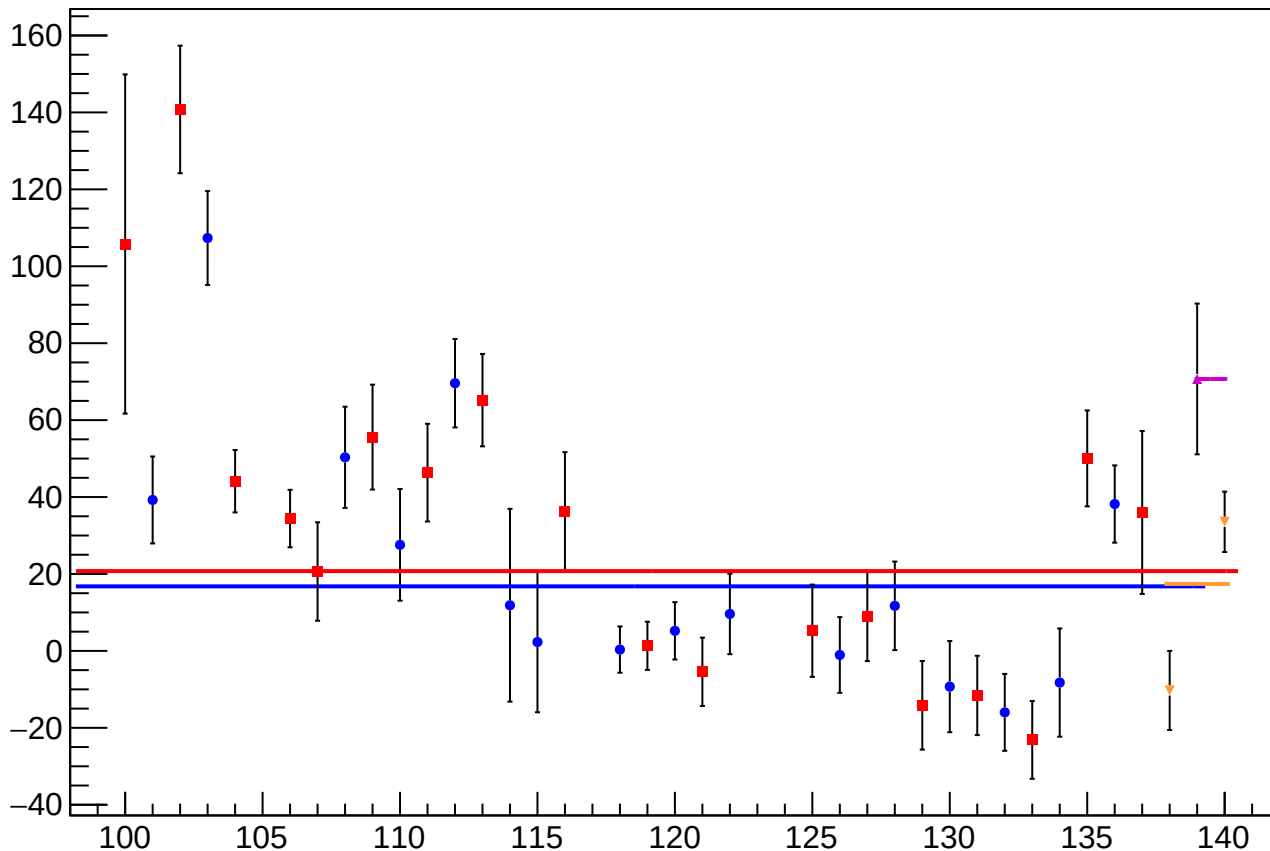
Left In: -650.691+/-10.901 χ^2/NDF : 0.0/0

+ sign -478.134+/-2.466 χ^2/NDF : 1517.6/17

All: -461.114+/-1.721 χ^2/NDF : 5146.8/36

- sign -444.947+/-2.403 χ^2/NDF : 3536.3/18

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780 $\pm$ 2.654 χ^2 /NDF: 125.0/15

Left Out: 17.402 $\pm$ 6.239 χ^2 /NDF:11.5/1

Right Out: 20.749 $\pm$ 2.548 χ^2 /NDF: 157.9/17

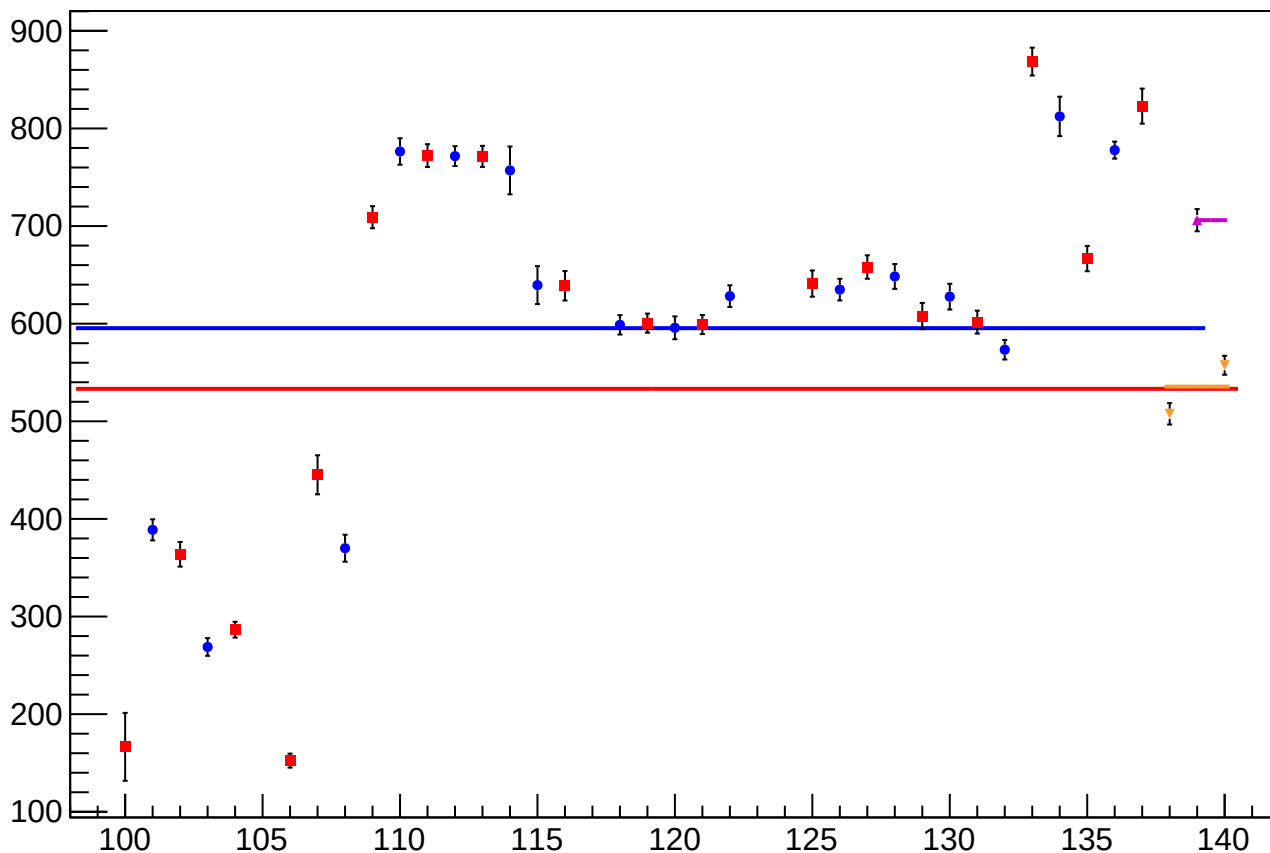
Left In: 70.699 $\pm$ 19.595 χ^2 /NDF:0.0/0

+ sign 16.875 $\pm$ 2.442 χ^2 /NDF: 136.5/17

All: 19.147 $\pm$ 1.756 χ^2 /NDF: 302.6/36

- sign 21.579 $\pm$ 2.527 χ^2 /NDF: 164.3/18

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406 $\pm$ 2.930 χ^2 /NDF: 3059.7/15

Left Out: 535.529 $\pm$ 7.277 χ^2 /NDF:11.5/1

Right Out: 533.283 $\pm$ 2.746 χ^2 /NDF: 6502.9/17

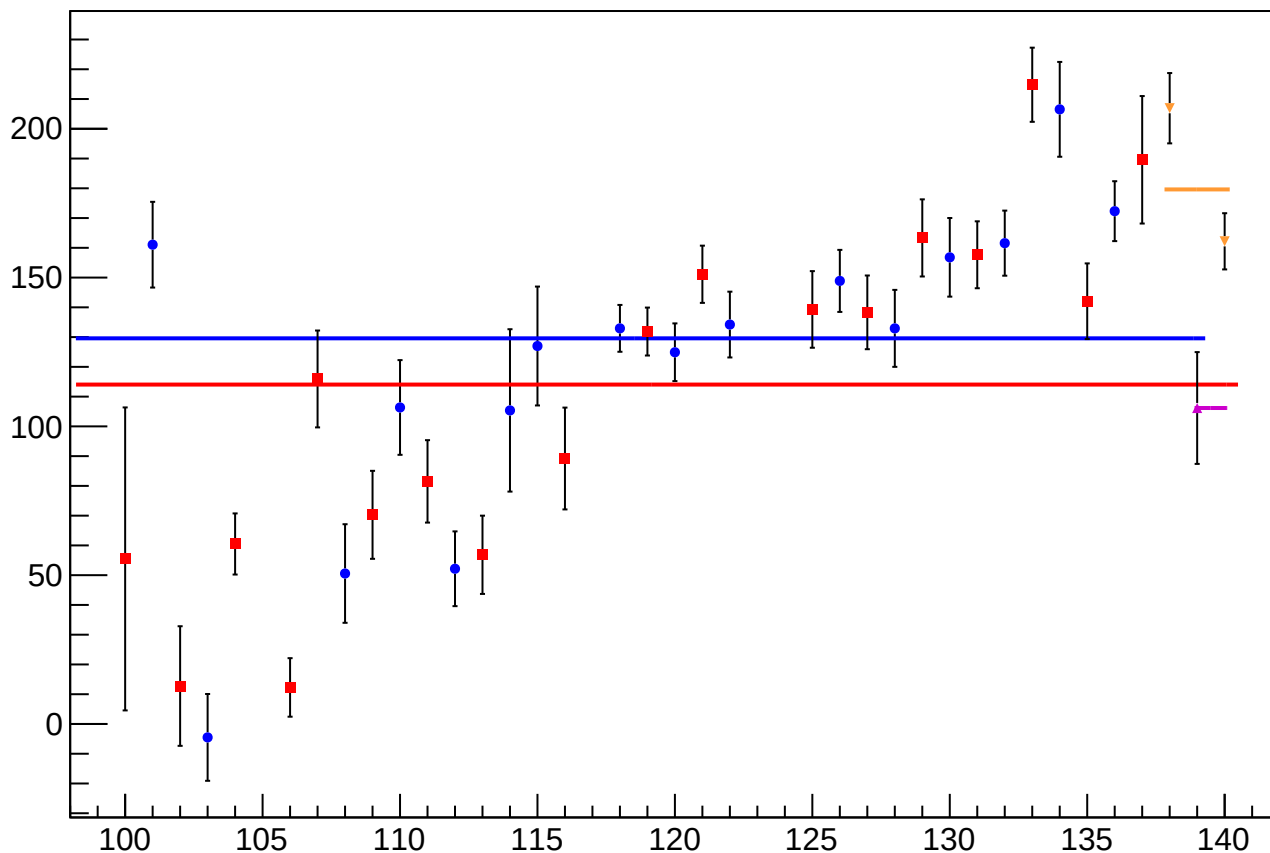
Left In: 706.045 $\pm$ 11.367 χ^2 /NDF:0.0/0

+ sign 587.054 $\pm$ 2.718 χ^2 /NDF: 3129.5/17

All: 564.535 $\pm$ 1.904 χ^2 /NDF: 9985.6/36

- sign 542.810 $\pm$ 2.669 χ^2 /NDF: 6721.1/18

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586 $\pm$ 3.081 χ^2/NDF : 211.2/15

Left Out: 179.620 $\pm$ 7.376 χ^2/NDF : 8.7/1

Right Out: 114.048 $\pm$ 2.976 χ^2/NDF : 335.9/17

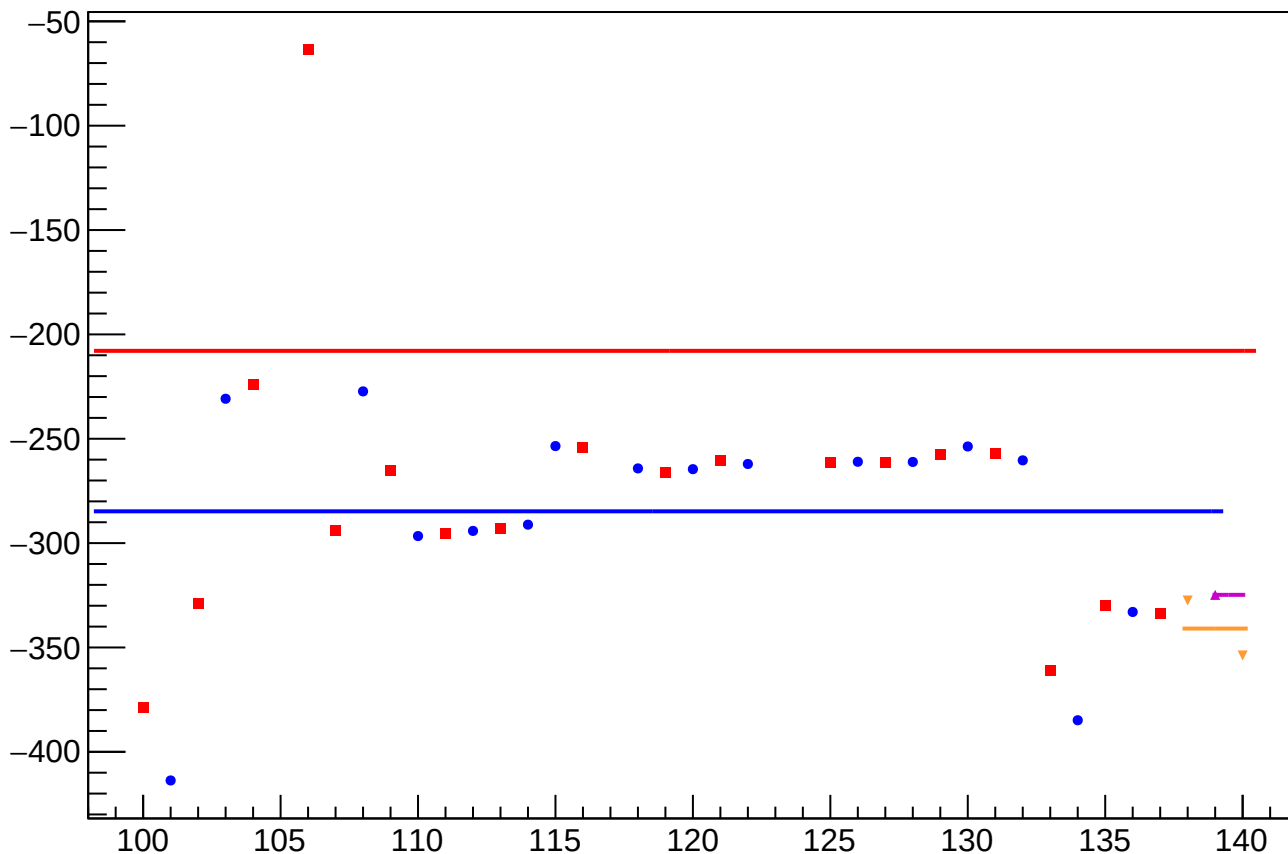
Left In: 106.173 $\pm$ 18.784 χ^2/NDF : 0.0/0

+ sign 137.017 $\pm$ 2.843 χ^2/NDF : 259.2/17

All: 125.823 $\pm$ 2.043 χ^2/NDF : 627.3/36

- sign 113.855 $\pm$ 2.939 χ^2/NDF : 336.1/18

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -284.765+/-0.178 χ^2/NDF : 104370.4/15

Left Out: -340.937+/-0.310 χ^2/NDF :1804.8/1

Right Out: -207.875+/-0.149 χ^2/NDF : 536707.7/17

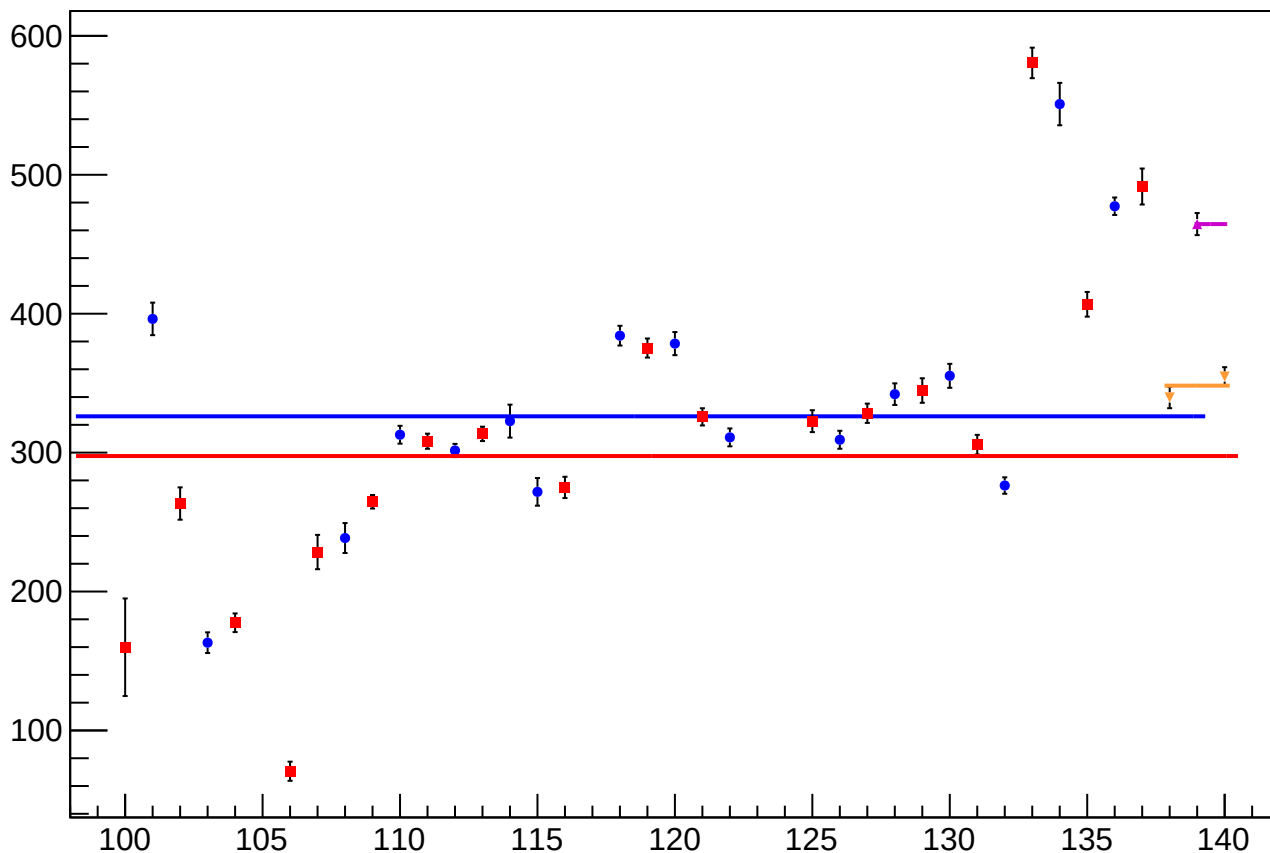
Left In: -324.786+/-0.405 χ^2/NDF :0.0/0

+ sign -298.657+/-0.154 χ^2/NDF : 130928.7/17

All: -256.482+/-0.103 χ^2/NDF : 877708.3/36

- sign -221.795+/-0.140 χ^2/NDF : 610164.0/18

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133 $\pm$ 1.857 χ^2 /NDF: 1642.9/15

Left Out: 348.216 $\pm$ 5.091 χ^2 /NDF:2.1/1

Right Out: 297.538 $\pm$ 1.735 χ^2 /NDF: 2775.4/17

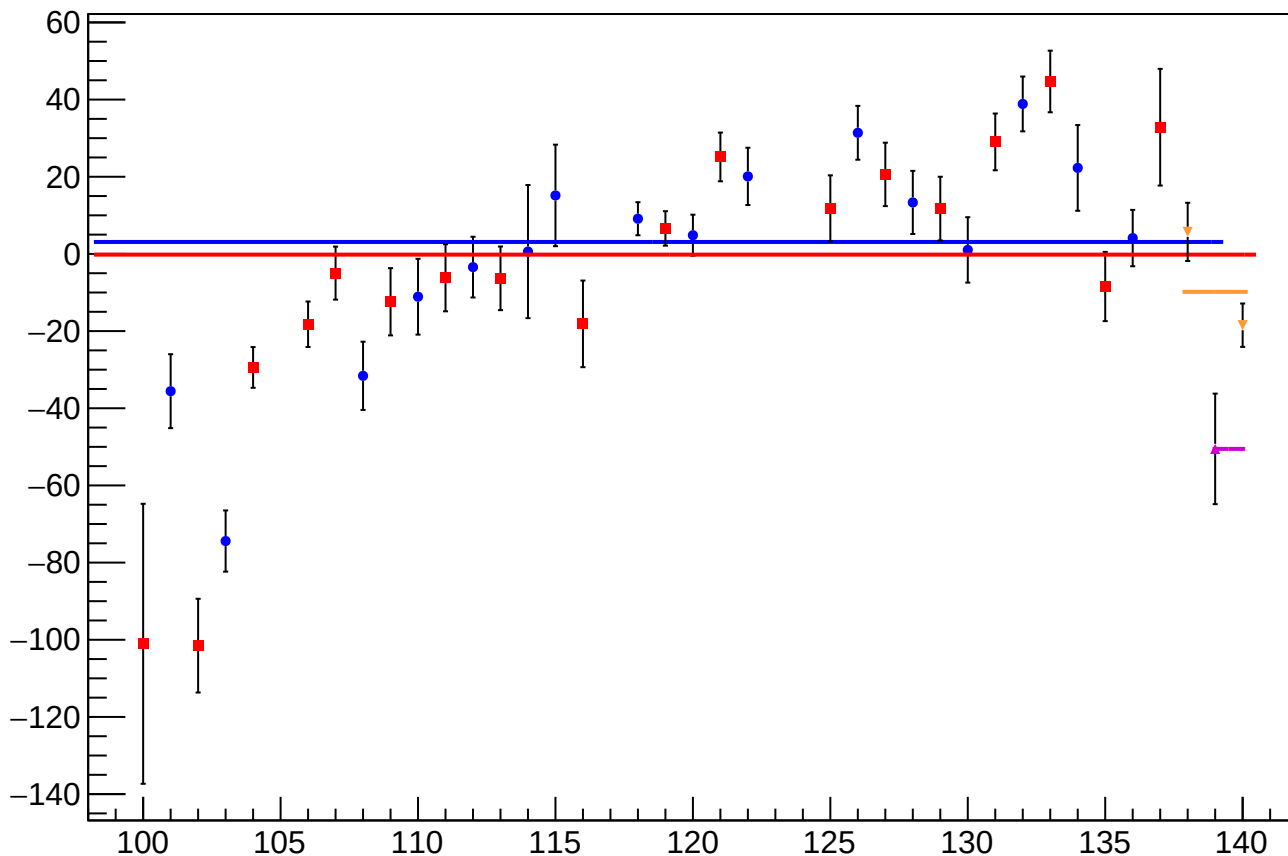
Left In: 464.520 $\pm$ 7.956 χ^2 /NDF:0.0/0

+ sign 328.726 $\pm$ 1.744 χ^2 /NDF: 1661.7/17

All: 316.581 $\pm$ 1.216 χ^2 /NDF: 4951.9/36

- sign 305.116 $\pm$ 1.695 χ^2 /NDF: 3196.0/18

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 3.101+/-1.892 χ^2/NDF : 184.5/15

Left Out: -9.831+/-4.506 χ^2/NDF : 6.6/1

Right Out: -0.180+/-1.791 χ^2/NDF : 205.2/17

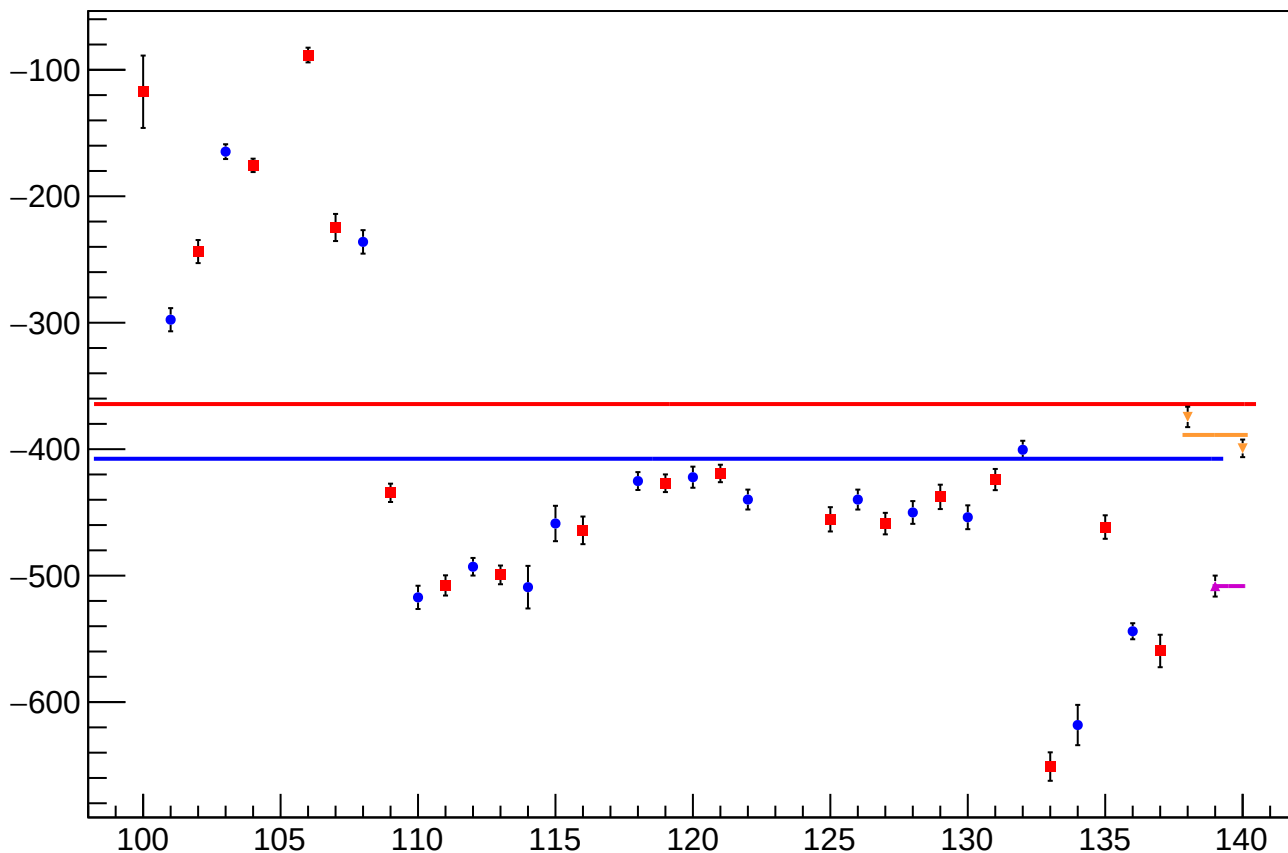
Left In: -50.529+/-14.324 χ^2/NDF : 0.0/0

+ sign 1.162+/-1.745 χ^2/NDF : 198.2/17

All: 0.123+/-1.245 χ^2/NDF : 416.3/36

- sign -0.955+/-1.777 χ^2/NDF : 217.4/18

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -407.575 ± 2.074 χ^2/NDF : 3280.5/15

Left Out: -388.736 ± 5.267 χ^2/NDF : 5.4/1

Right Out: -364.323 ± 1.942 χ^2/NDF : 6220.4/17

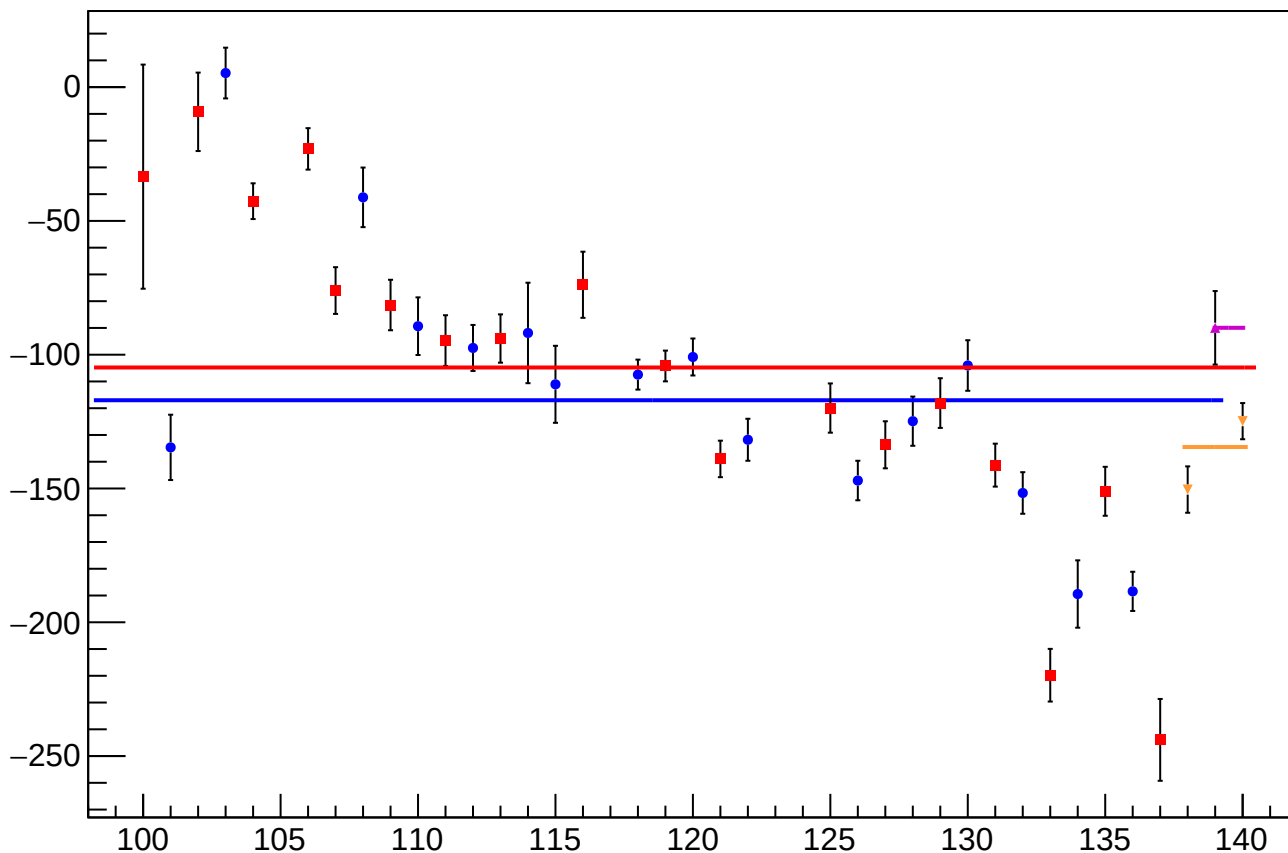
Left In: -508.261 ± 8.293 χ^2/NDF : 0.0/0

+ sign -405.046 ± 1.930 χ^2/NDF : 3297.1/17

All: -388.093 ± 1.351 χ^2/NDF : 9954.4/36

- sign -371.808 ± 1.891 χ^2/NDF : 6506.0/18

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -117.021 ± 2.194 χ^2/NDF : 407.8/15

Left Out: -134.503 ± 5.330 χ^2/NDF : 5.4/1

Right Out: -104.780 ± 2.091 χ^2/NDF : 575.1/17

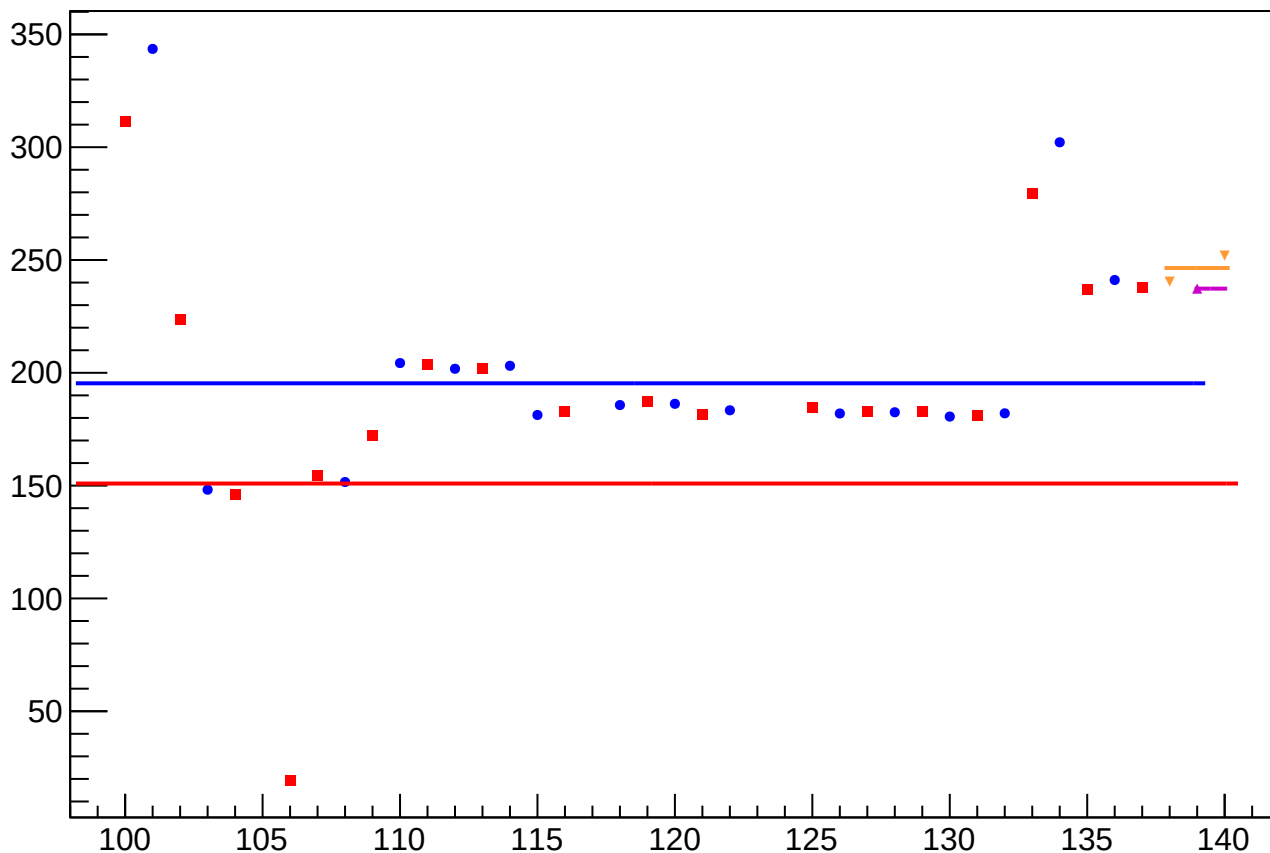
Left In: -89.945 ± 13.734 χ^2/NDF : 0.0/0

+ sign -119.555 ± 2.029 χ^2/NDF : 422.4/17

All: -112.139 ± 1.448 χ^2/NDF : 1025.9/36

- sign -104.444 ± 2.067 χ^2/NDF : 576.2/18

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 195.351 $\pm$ 0.125 χ^2 /NDF: 176975.5/15

Left Out: 246.453 $\pm$ 0.225 χ^2 /NDF:661.4/1

Right Out: 150.932 $\pm$ 0.110 χ^2 /NDF: 499233.7/17

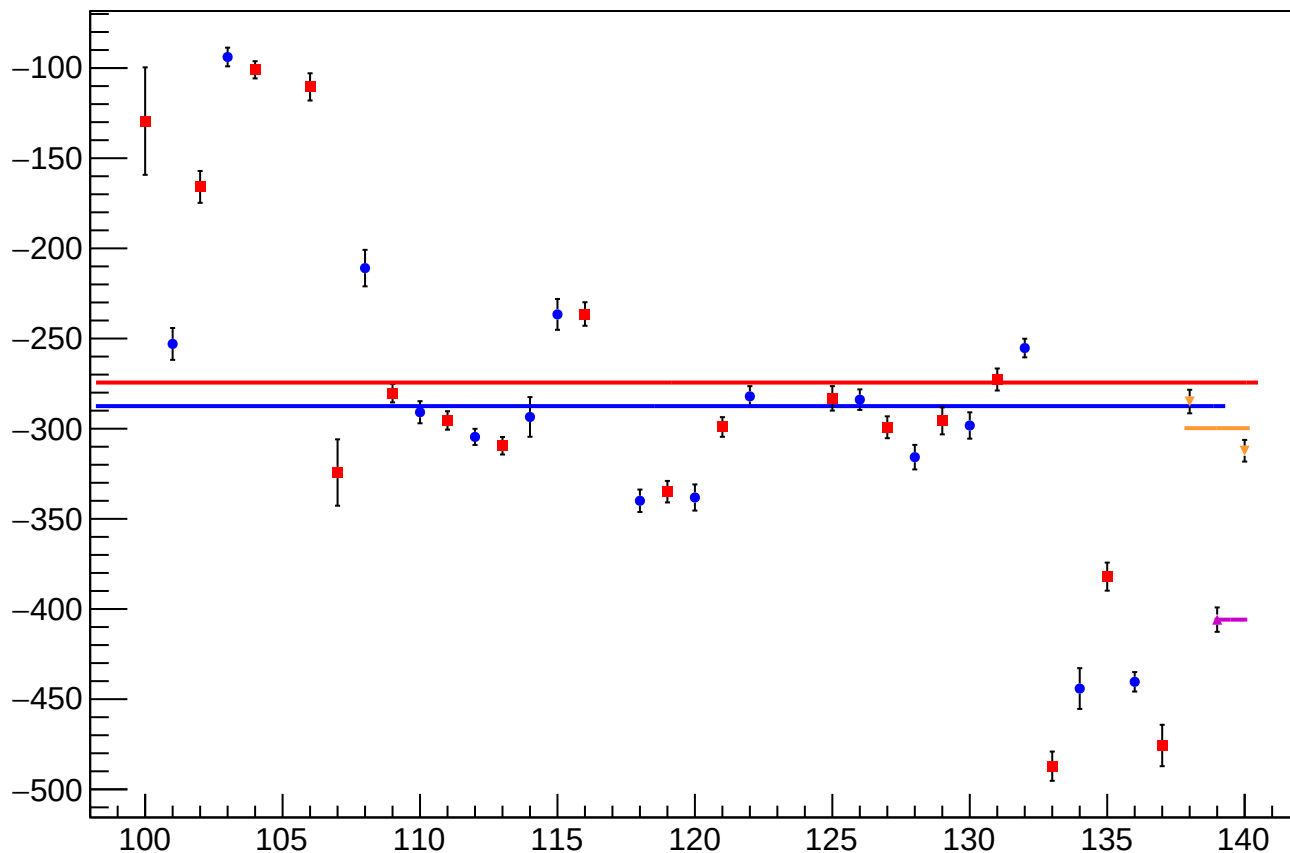
Left In: 237.314 $\pm$ 0.296 χ^2 /NDF:0.0/0

+ sign 207.388 $\pm$ 0.109 χ^2 /NDF: 217239.6/17

All: 183.180 $\pm$ 0.075 χ^2 /NDF: 884970.5/36

- sign 161.446 $\pm$ 0.103 χ^2 /NDF: 574060.3/18

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476 ± 1.611 χ^2/NDF : 2696.5/15

Left Out: -299.694 ± 4.419 χ^2/NDF : 9.5/1

Right Out: -274.417 ± 1.551 χ^2/NDF : 3413.4/17

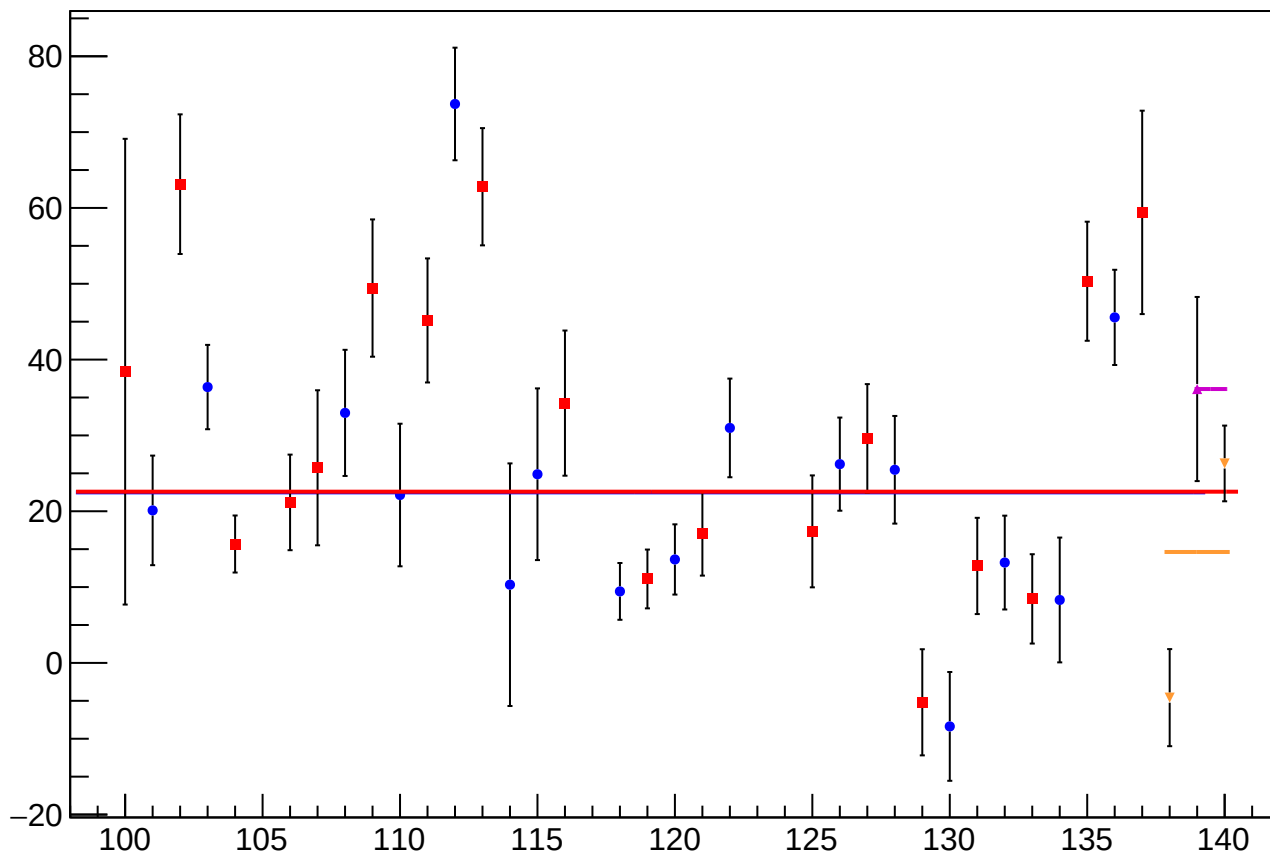
Left In: -405.893 ± 6.763 χ^2/NDF : 0.0/0

+ sign -288.910 ± 1.514 χ^2/NDF : 2712.7/17

All: -284.945 ± 1.070 χ^2/NDF : 6498.8/36

- sign -280.989 ± 1.512 χ^2/NDF : 3772.4/18

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492 $\pm$ 1.621 χ^2 /NDF: 111.4/15

Left Out: 14.629 $\pm$ 3.937 χ^2 /NDF:14.5/1

Right Out: 22.580 $\pm$ 1.570 χ^2 /NDF: 123.3/17

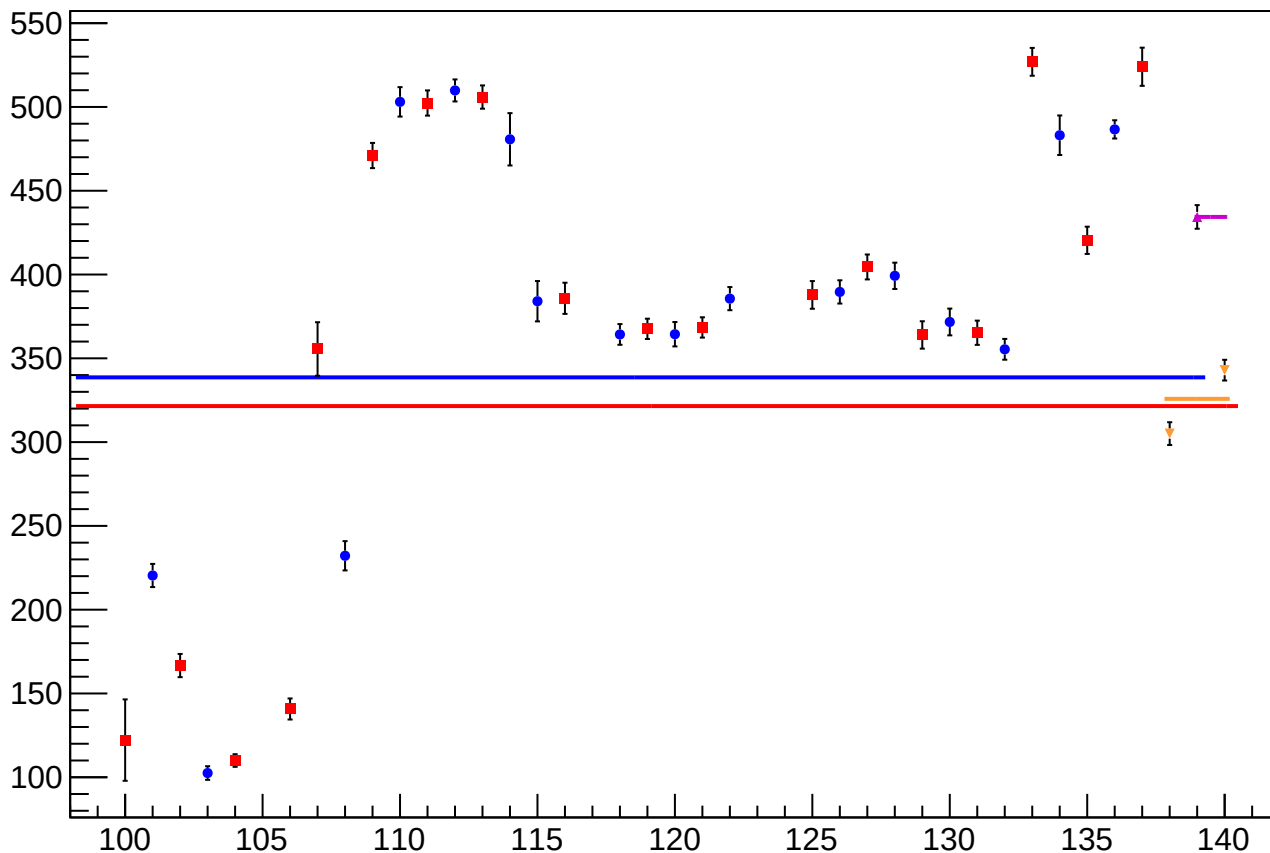
Left In: 36.119 $\pm$ 12.142 χ^2 /NDF:0.0/0

+ sign 21.353 $\pm$ 1.499 χ^2 /NDF: 129.3/17

All: 22.050 $\pm$ 1.080 χ^2 /NDF: 254.3/36

- sign 22.802 $\pm$ 1.557 χ^2 /NDF: 124.6/18

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: 325.818+/-4.574 χ^2/NDF :17.0/1

Right Out: 321.500+/-1.694 χ^2/NDF : 7720.8/17

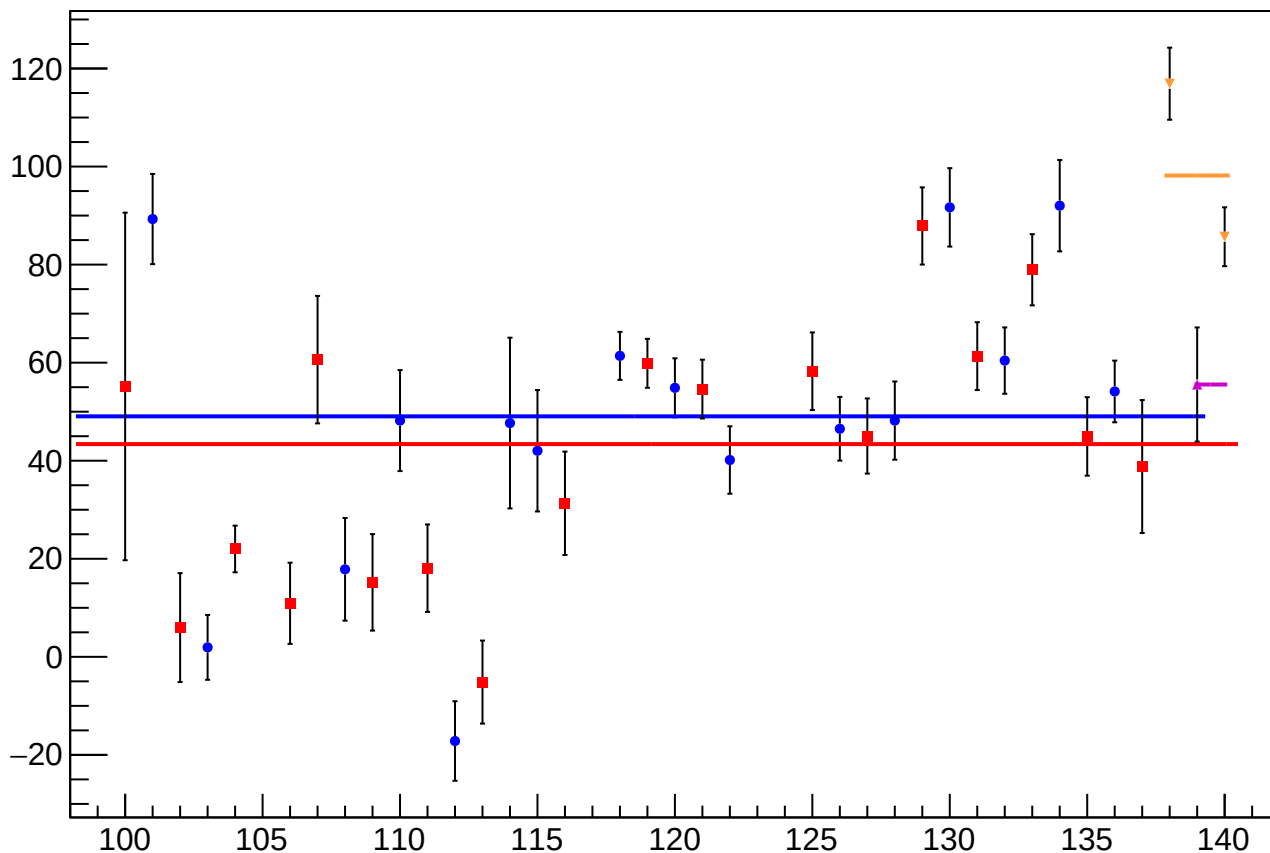
Left In: 434.377+/-7.053 χ^2/NDF :0.0/0

+ sign 336.999+/-1.633 χ^2/NDF : 6066.5/17

All: 332.369+/-1.160 χ^2/NDF : 14045.6/36

- sign 327.657+/-1.647 χ^2/NDF : 7962.9/18

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.053+/-1.882 χ^2/NDF : 207.9/15

Left Out: 98.173+/-4.649 χ^2/NDF : 10.8/1

Right Out: 43.392+/-1.834 χ^2/NDF : 180.0/17

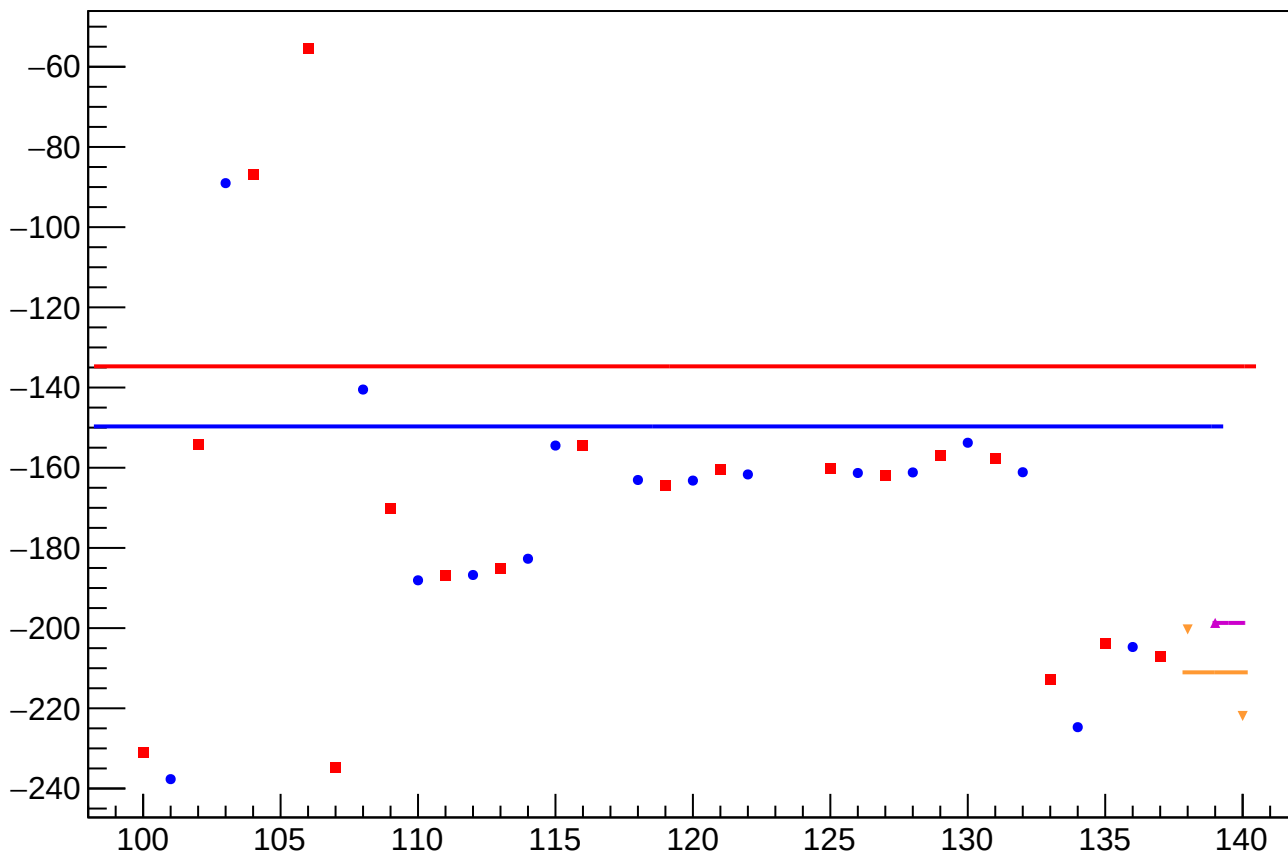
Left In: 55.546+/-11.639 χ^2/NDF : 0.0/0

+ sign 55.972+/-1.745 χ^2/NDF : 314.7/17

All: 50.059+/-1.257 χ^2/NDF : 519.6/36

- sign 43.686+/-1.811 χ^2/NDF : 181.1/18

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: -211.030 ± 0.194 χ^2/NDF : 3085.0/1

Right Out: -134.715 ± 0.097 χ^2/NDF : 312639.8/17

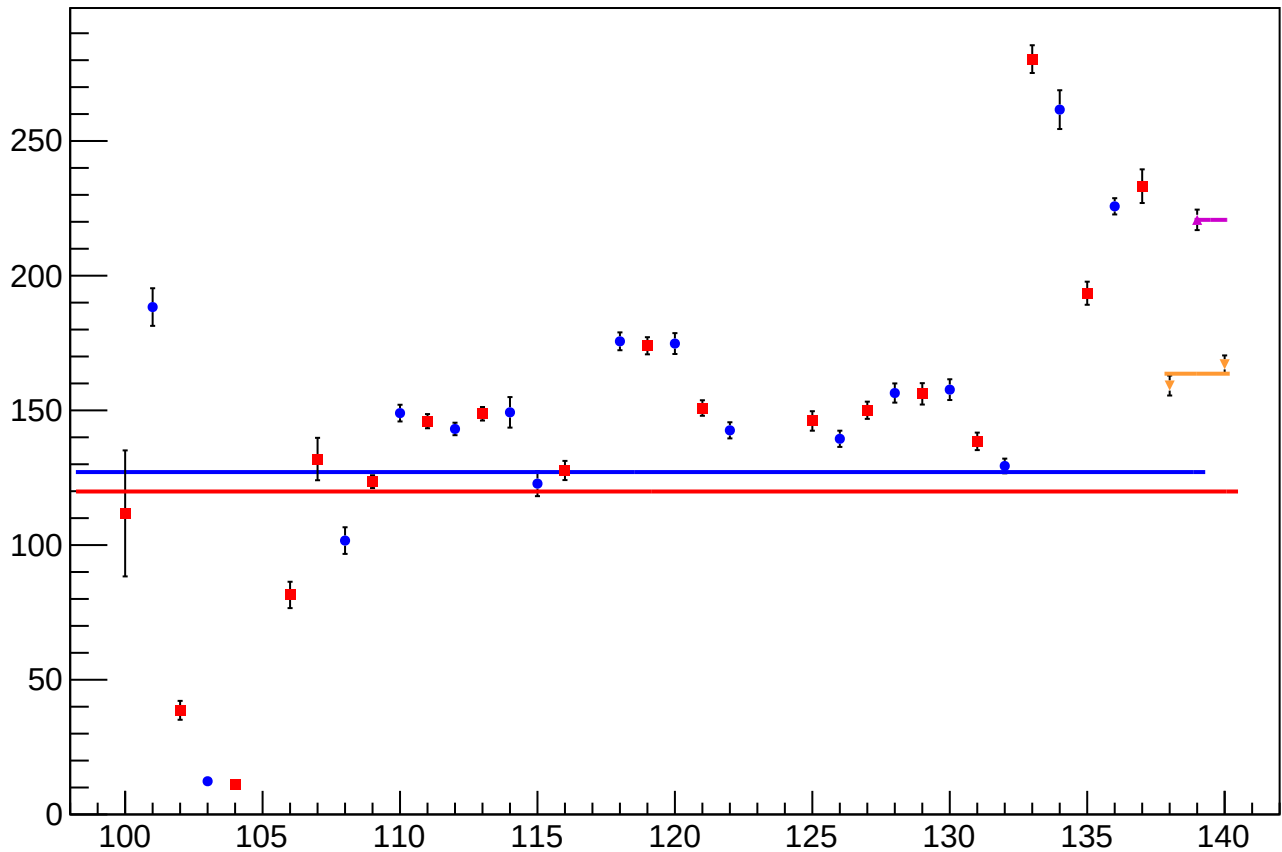
Left In: -198.702 ± 0.251 χ^2/NDF : 0.0/0

+ sign -162.708 ± 0.089 χ^2/NDF : 338056.3/17

All: -152.979 ± 0.064 χ^2/NDF : 731188.1/36

- sign -143.036 ± 0.090 χ^2/NDF : 369233.8/18

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100 $\pm$ 0.811 χ^2 /NDF: 6163.2/15

Left Out: 163.615 $\pm$ 2.466 χ^2 /NDF: 2.5/1

Right Out: 119.886 $\pm$ 0.774 χ^2 /NDF: 6649.6/17

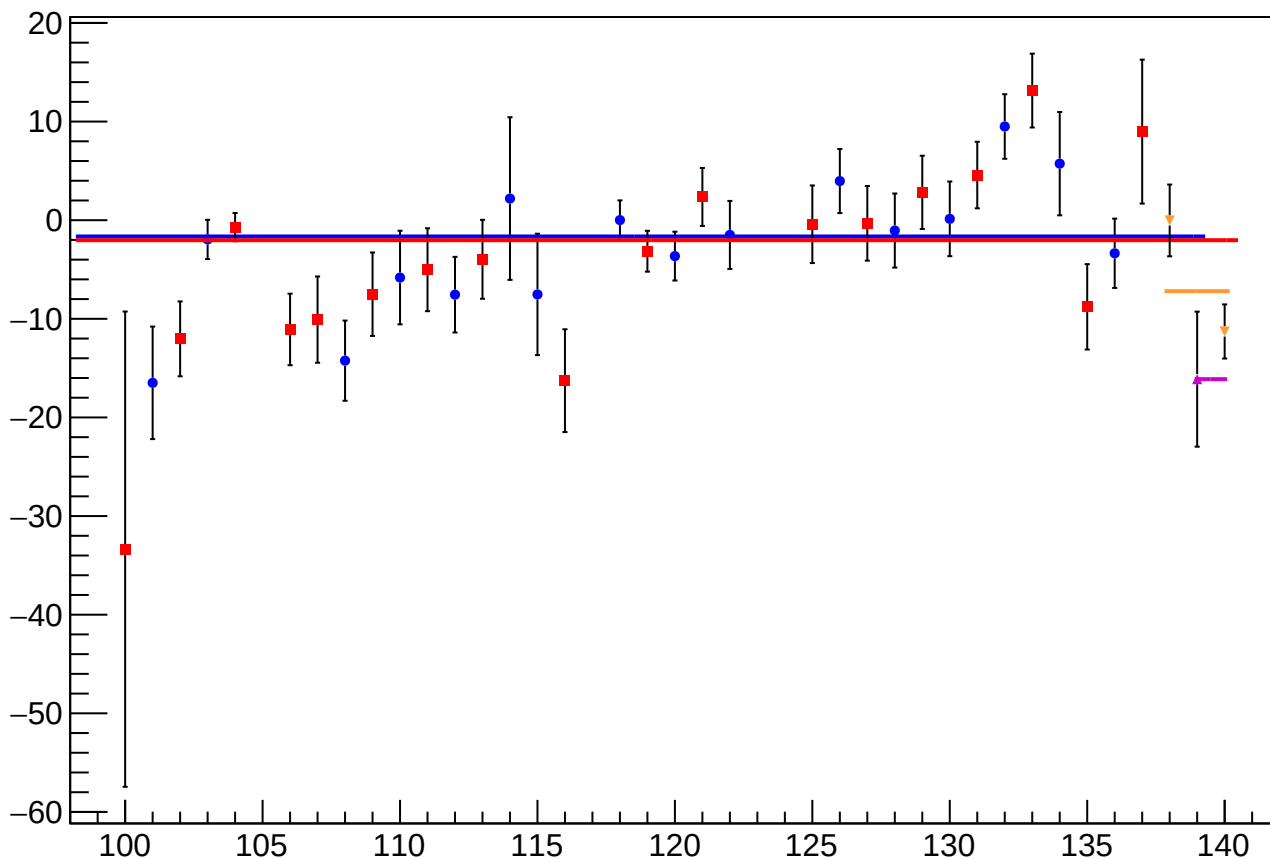
Left In: 220.724 $\pm$ 3.804 χ^2 /NDF: 0.0/0

+ sign 130.662 $\pm$ 0.770 χ^2 /NDF: 6363.6/17

All: 127.228 $\pm$ 0.541 χ^2 /NDF: 13727.0/36

- sign 123.897 $\pm$ 0.759 χ^2 /NDF: 7324.3/18

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.651 ± 0.833 χ^2/NDF : 39.1/15

Left Out: -7.198 ± 2.191 χ^2/NDF : 6.1/1

Right Out: -2.027 ± 0.770 χ^2/NDF : 58.6/17

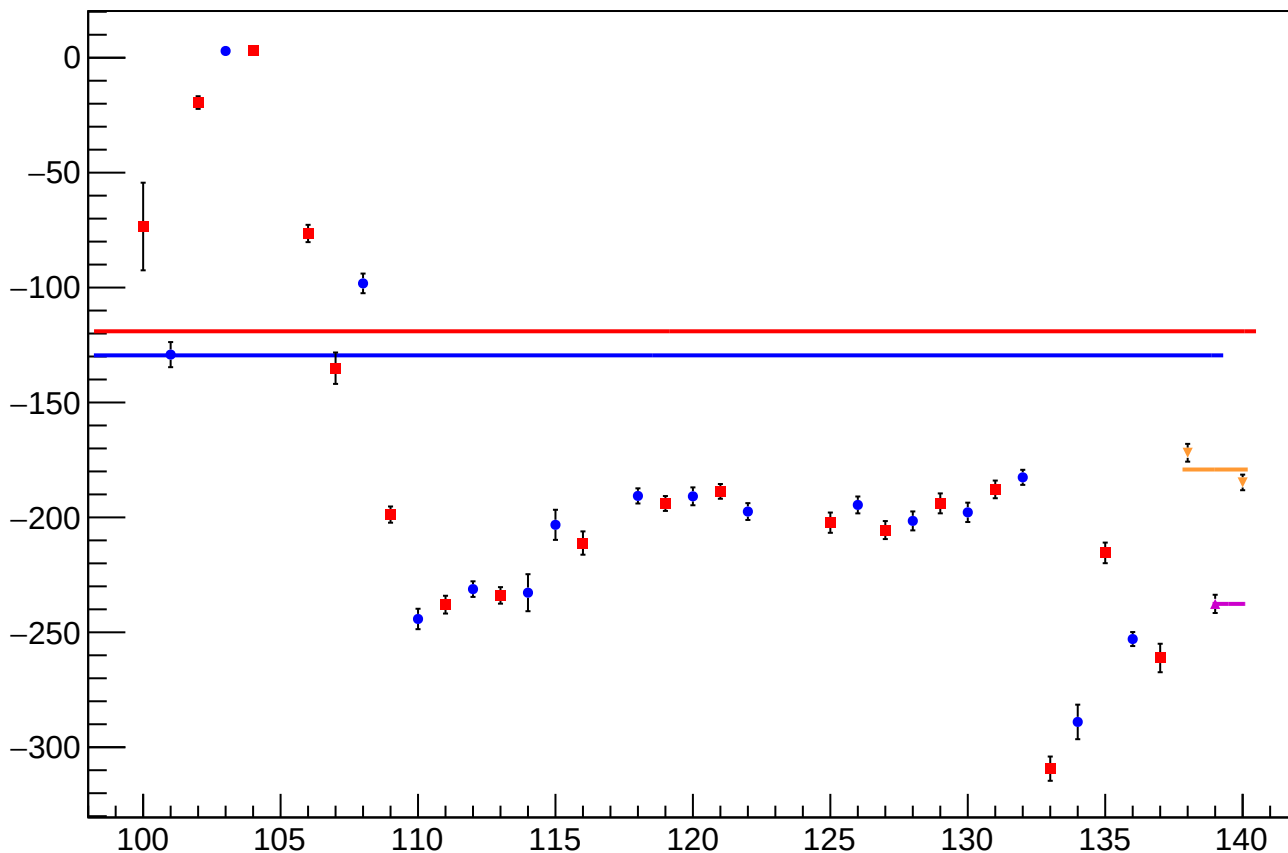
Left In: -16.118 ± 6.846 χ^2/NDF : 0.0/0

+ sign -2.352 ± 0.778 χ^2/NDF : 50.8/17

All: -2.276 ± 0.546 χ^2/NDF : 113.6/36

- sign -2.203 ± 0.765 χ^2/NDF : 62.8/18

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF : 14687.9/15

Left Out: -179.165+/-2.552 χ^2/NDF : 6.3/1

Right Out: -119.022+/-0.813 χ^2/NDF : 16177.3/17

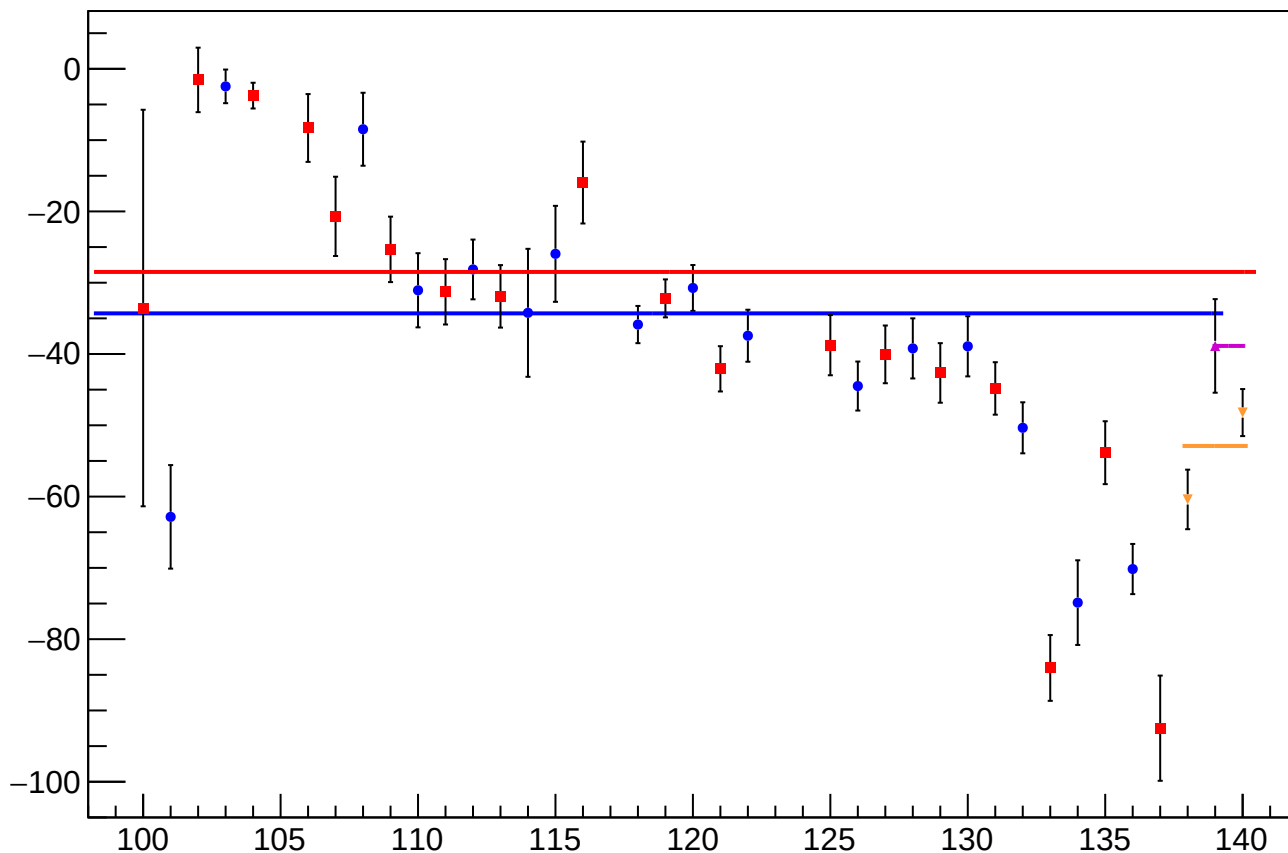
Left In: -237.630+/-3.966 χ^2/NDF : 0.0/0

+ sign -134.419+/-0.803 χ^2/NDF : 15035.4/17

All: -129.064+/-0.566 χ^2/NDF : 32159.3/36

- sign -123.803+/-0.796 χ^2/NDF : 17035.8/18

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -34.301 ± 0.968 χ^2/NDF : 411.3/15

Left Out: -52.898 ± 2.589 χ^2/NDF : 5.2/1

Right Out: -28.488 ± 0.907 χ^2/NDF : 568.0/17

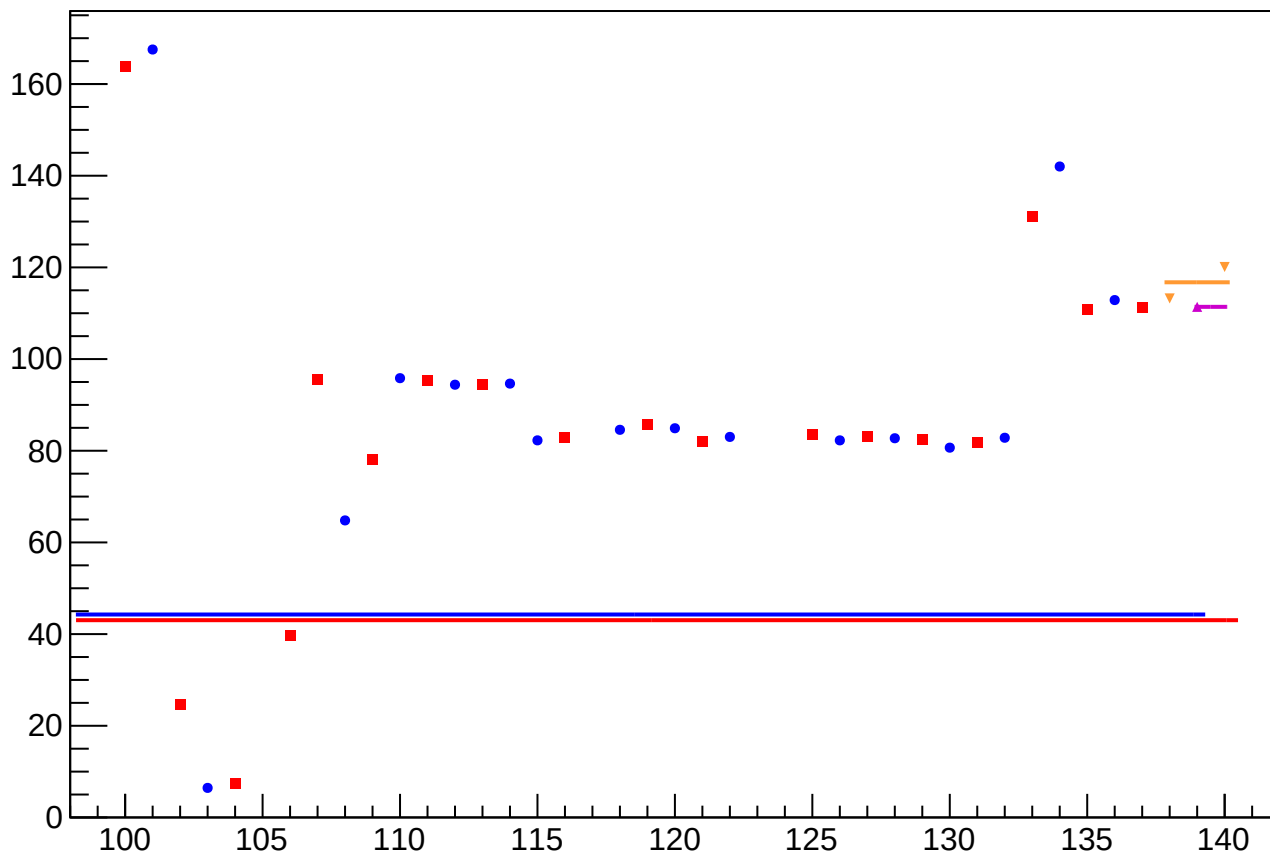
Left In: -38.866 ± 6.564 χ^2/NDF : 0.0/0

+ sign -36.581 ± 0.906 χ^2/NDF : 461.8/17

All: -32.596 ± 0.638 χ^2/NDF : 1070.6/36

- sign -28.682 ± 0.898 χ^2/NDF : 570.5/18

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 44.274+/-0.045 χ^2/NDF : 1085082.2/15

Left Out: 116.749+/-0.109 χ^2/NDF : 996.7/1

Right Out: 43.035+/-0.045 χ^2/NDF : 805108.5/17

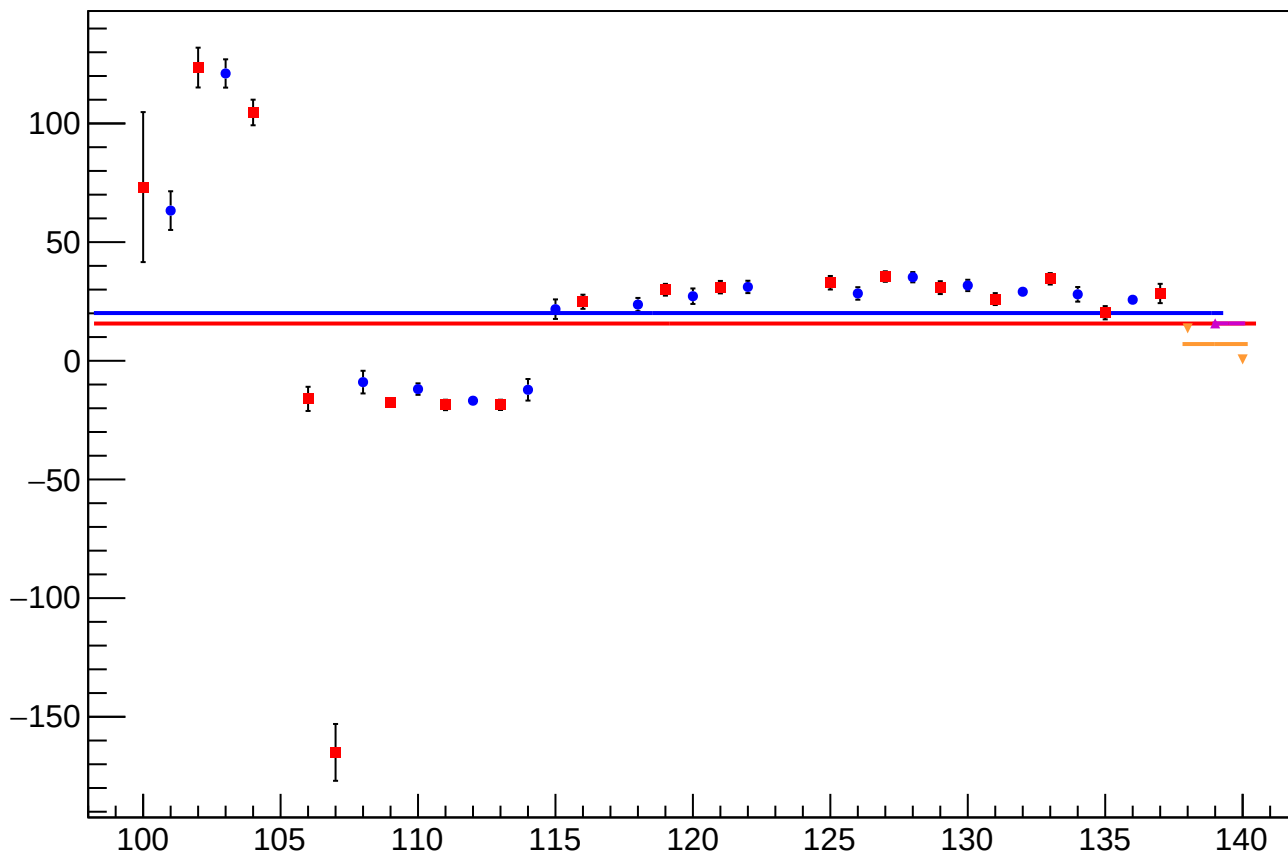
Left In: 111.394+/-0.141 χ^2/NDF : 0.0/0

+ sign 54.875+/-0.042 χ^2/NDF : 1466493.4/17

All: 52.193+/-0.030 χ^2/NDF : 2492368.9/36

- sign 49.329+/-0.043 χ^2/NDF : 1017247.7/18

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117+/-0.687 χ^2/NDF : 1048.1/15

Left Out: 7.060+/-1.471 χ^2/NDF : 19.8/1

Right Out: 15.700+/-0.682 χ^2/NDF : 1773.8/17

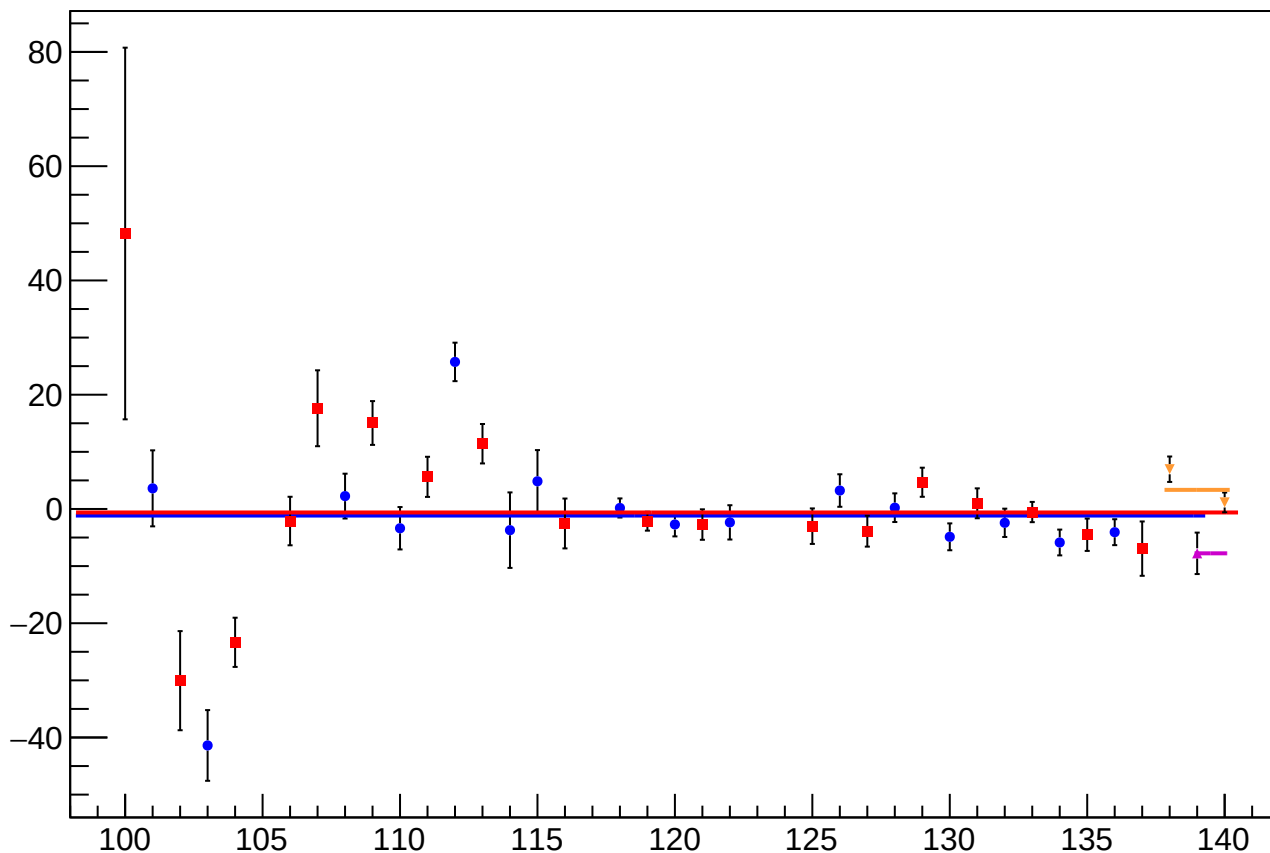
Left In: 15.768+/-2.007 χ^2/NDF : 0.0/0

+ sign 17.779+/-0.623 χ^2/NDF : 1132.6/17

All: 16.781+/-0.448 χ^2/NDF : 2911.7/36

- sign 15.707+/-0.646 χ^2/NDF : 1773.8/18

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.151 ± 0.699 χ^2/NDF : 121.8/15

Left Out: 3.344 ± 1.369 χ^2/NDF : 4.2/1

Right Out: -0.614 ± 0.713 χ^2/NDF : 93.4/17

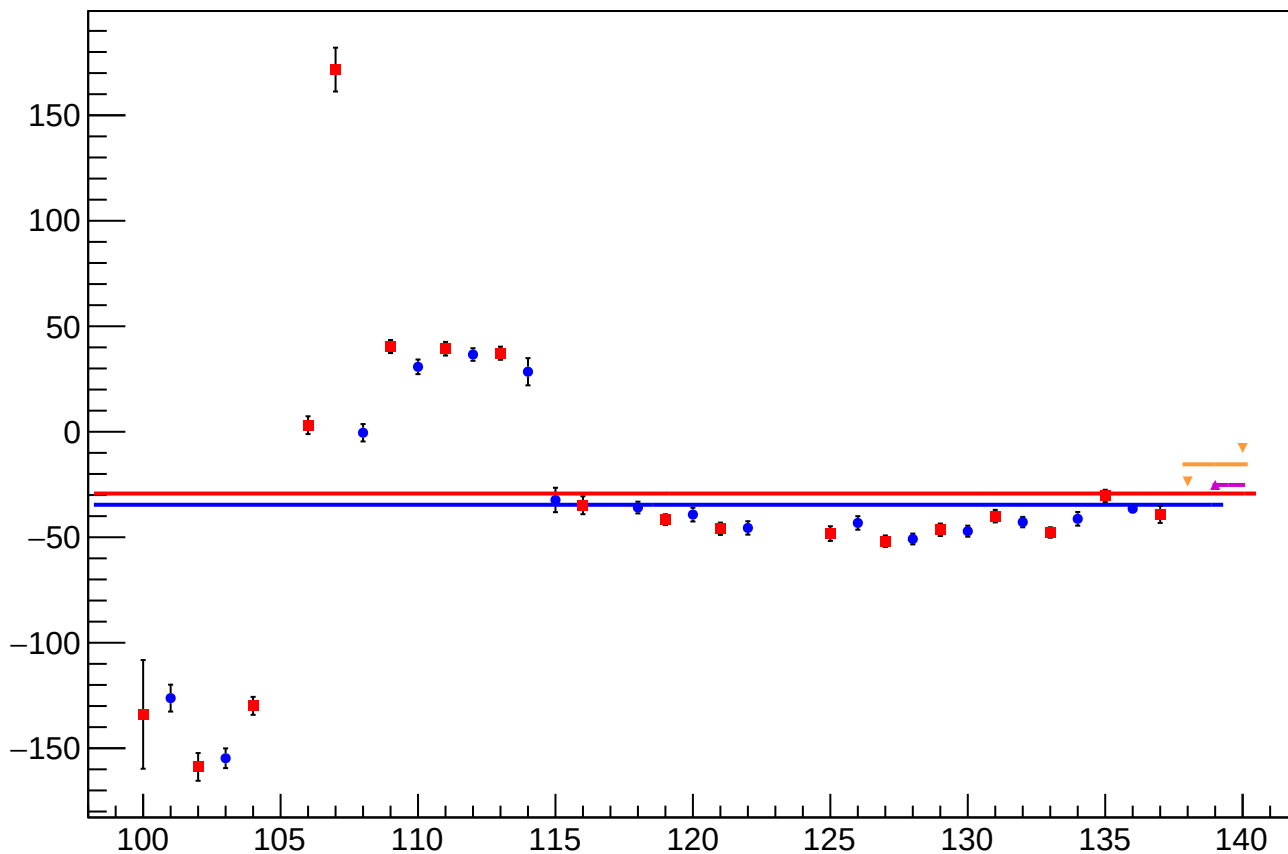
Left In: -7.765 ± 3.627 χ^2/NDF : 0.0/0

+ sign -0.221 ± 0.623 χ^2/NDF : 134.6/17

All: -0.512 ± 0.465 χ^2/NDF : 232.2/36

- sign -0.880 ± 0.700 χ^2/NDF : 97.1/18

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598 ± 0.786 χ^2/NDF : 2058.4/15

Left Out: -15.439 ± 1.524 χ^2/NDF : 27.1/1

Right Out: -29.277 ± 0.800 χ^2/NDF : 3081.1/17

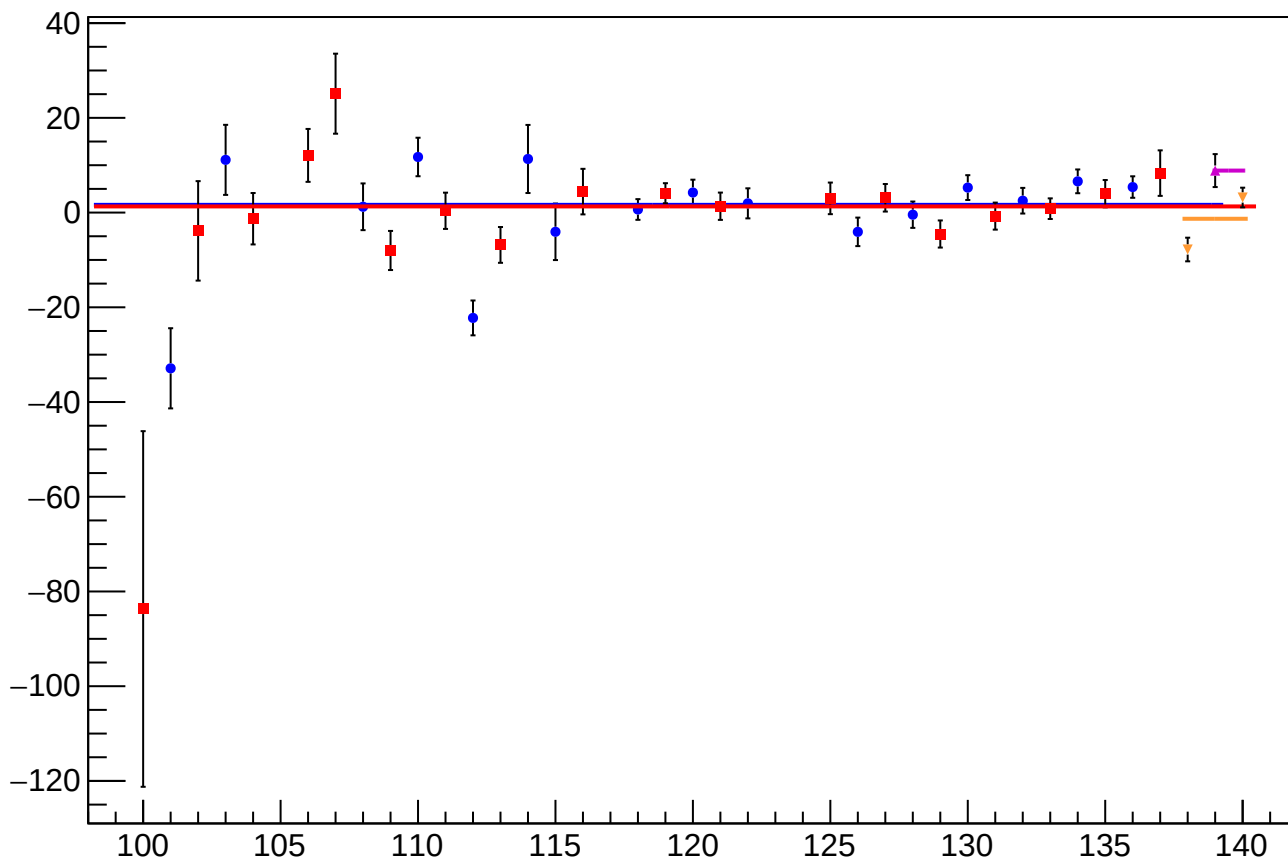
Left In: -25.203 ± 2.091 χ^2/NDF : 0.0/0

+ sign -30.573 ± 0.699 χ^2/NDF : 2210.3/17

All: -29.726 ± 0.510 χ^2/NDF : 5297.8/36

- sign -28.757 ± 0.747 χ^2/NDF : 3084.4/18

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630 ± 0.797 χ^2/NDF : 83.3/15

Left Out: -1.309 ± 1.596 χ^2/NDF : 11.4/1

Right Out: 1.298 ± 0.817 χ^2/NDF : 37.5/17

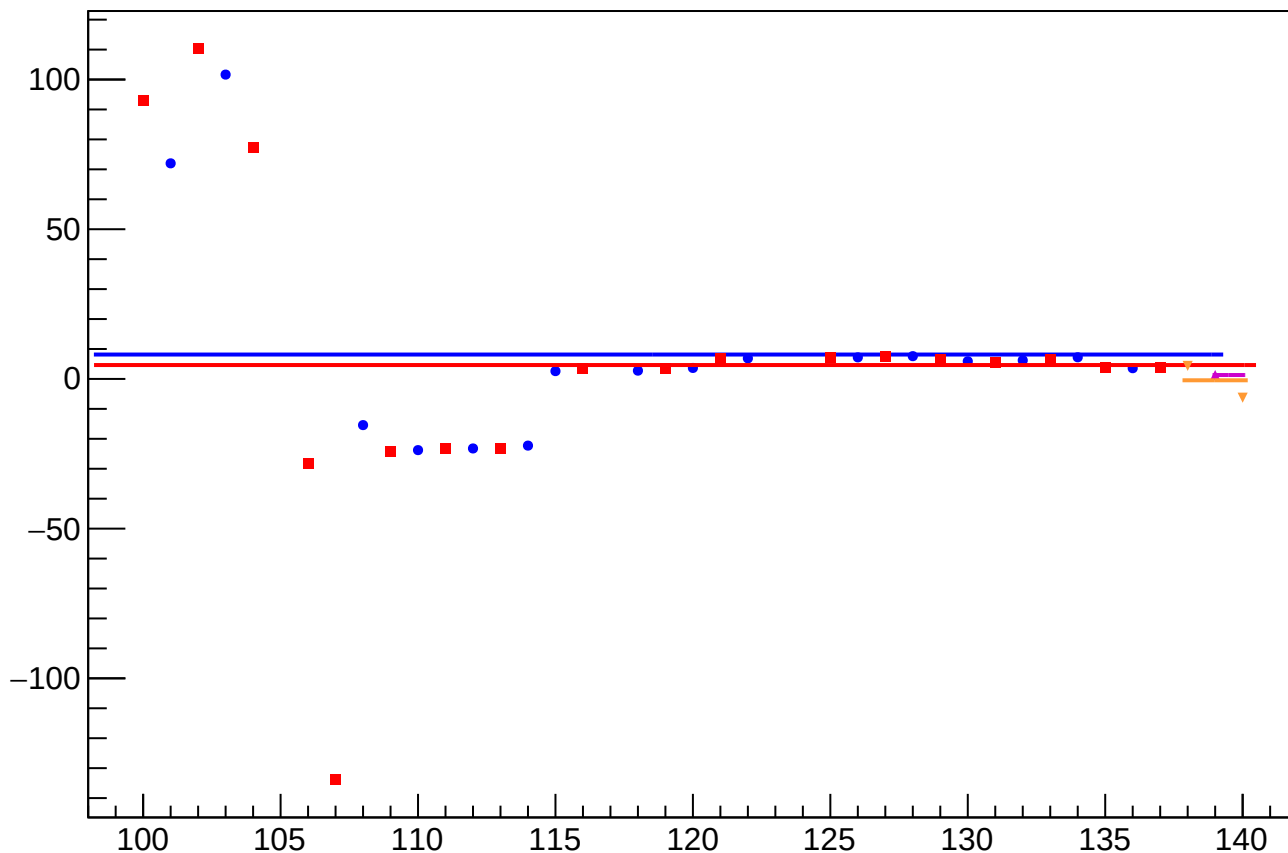
Left In: 8.865 ± 3.479 χ^2/NDF : 0.0/0

+ sign 1.044 ± 0.713 χ^2/NDF : 97.4/17

All: 1.333 ± 0.531 χ^2/NDF : 139.8/36

- sign 1.693 ± 0.795 χ^2/NDF : 42.0/18

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 8.146 $\pm$ 0.048 χ^2 /NDF: 313350.7/15

Left Out: -0.453 $\pm$ 0.063 χ^2 /NDF: 6951.1/1

Right Out: 4.638 $\pm$ 0.052 χ^2 /NDF: 446805.7/17

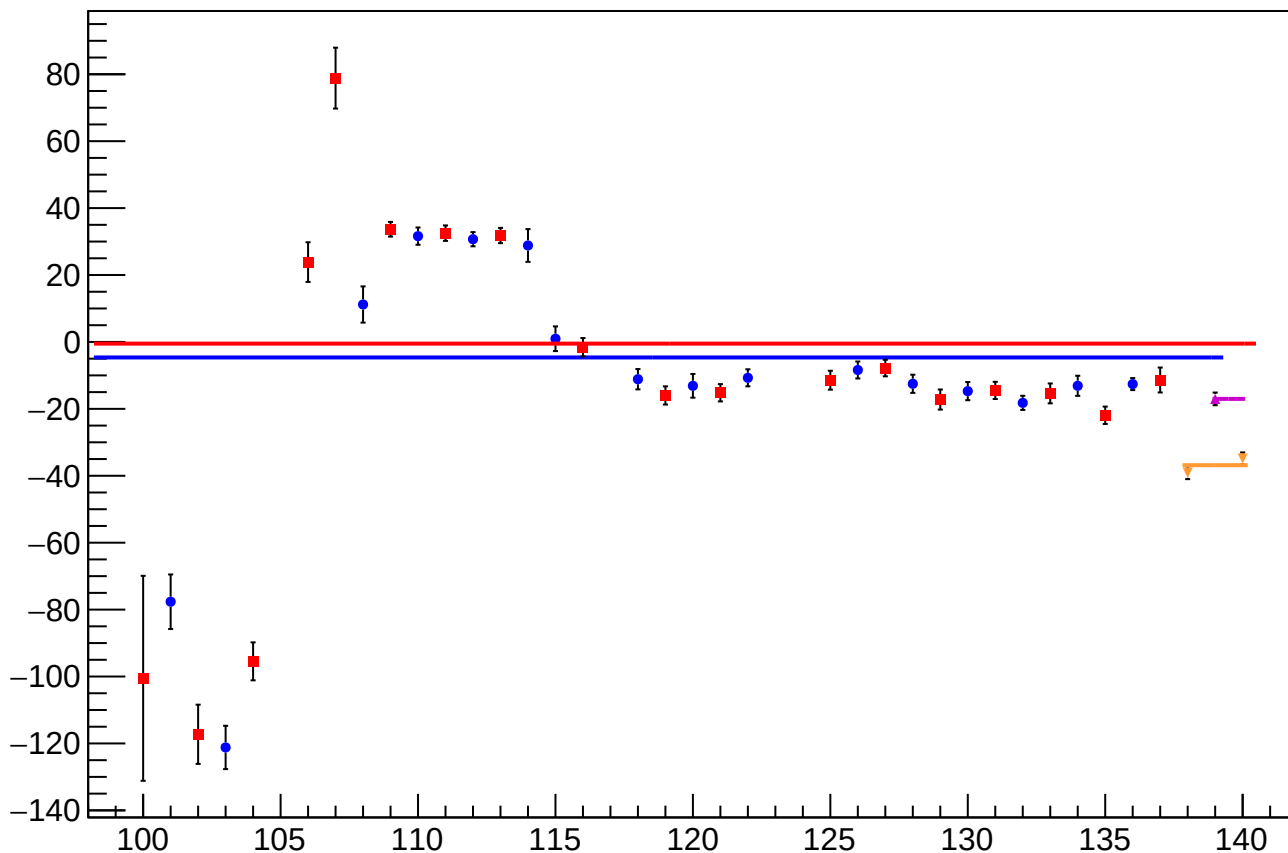
Left In: 1.306 $\pm$ 0.075 χ^2 /NDF: 0.0/0

+ sign 4.981 $\pm$ 0.038 χ^2 /NDF: 331931.9/17

All: 4.342 $\pm$ 0.029 χ^2 /NDF: 780694.9/36

- sign 3.561 $\pm$ 0.043 χ^2 /NDF: 448149.4/18

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -4.640 ± 0.712 χ^2/NDF : 1046.3/15

Left Out: -36.840 ± 1.321 χ^2/NDF : 2.6/1

Right Out: -0.505 ± 0.711 χ^2/NDF : 1457.8/17

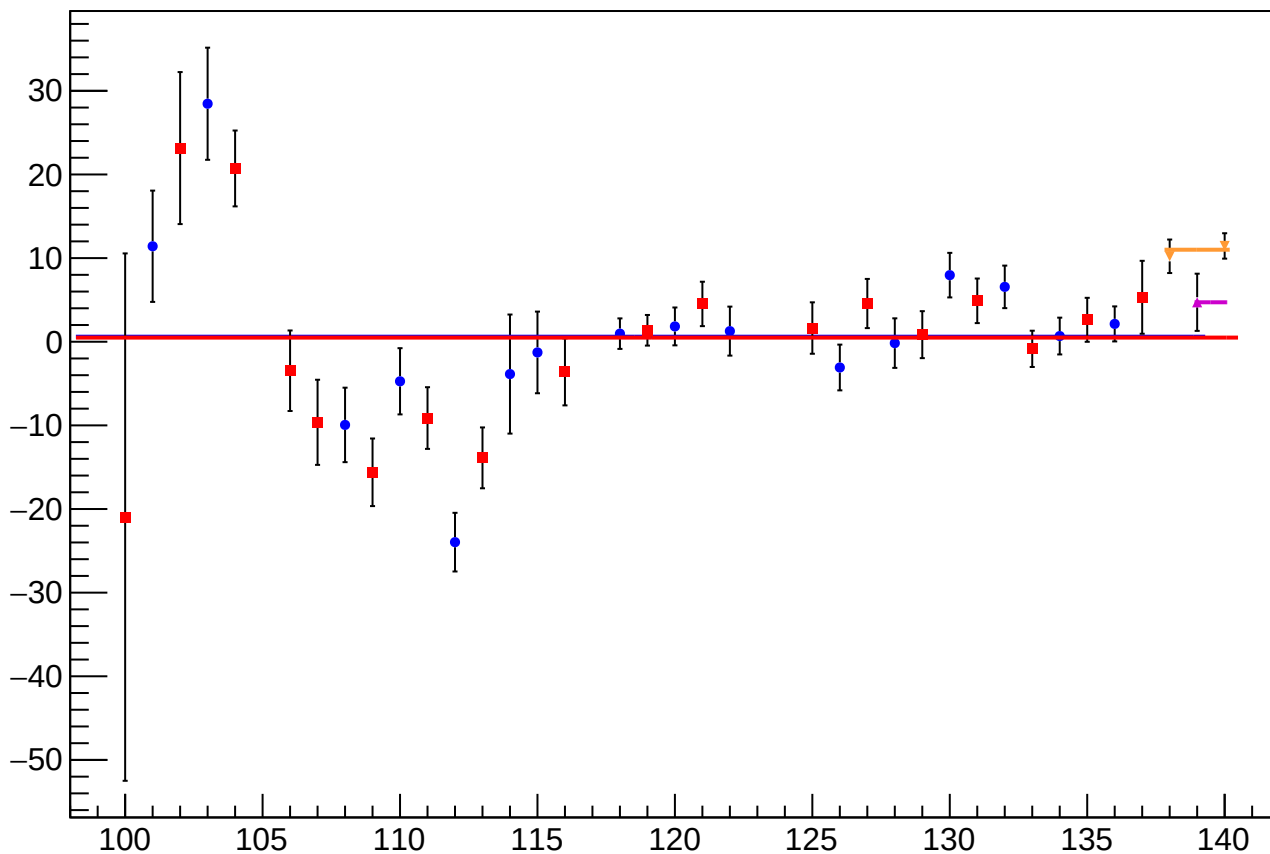
Left In: -17.021 ± 1.893 χ^2/NDF : 0.0/0

+ sign -11.885 ± 0.626 χ^2/NDF : 1509.6/17

All: -7.498 ± 0.456 χ^2/NDF : 3138.5/36

- sign -2.546 ± 0.665 χ^2/NDF : 1524.5/18

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.602 ± 0.727 $\chi^2/\text{NDF}: 92.9/15$

Left Out: 11.003 ± 1.210 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 0.496 ± 0.755 $\chi^2/\text{NDF}: 80.2/17$

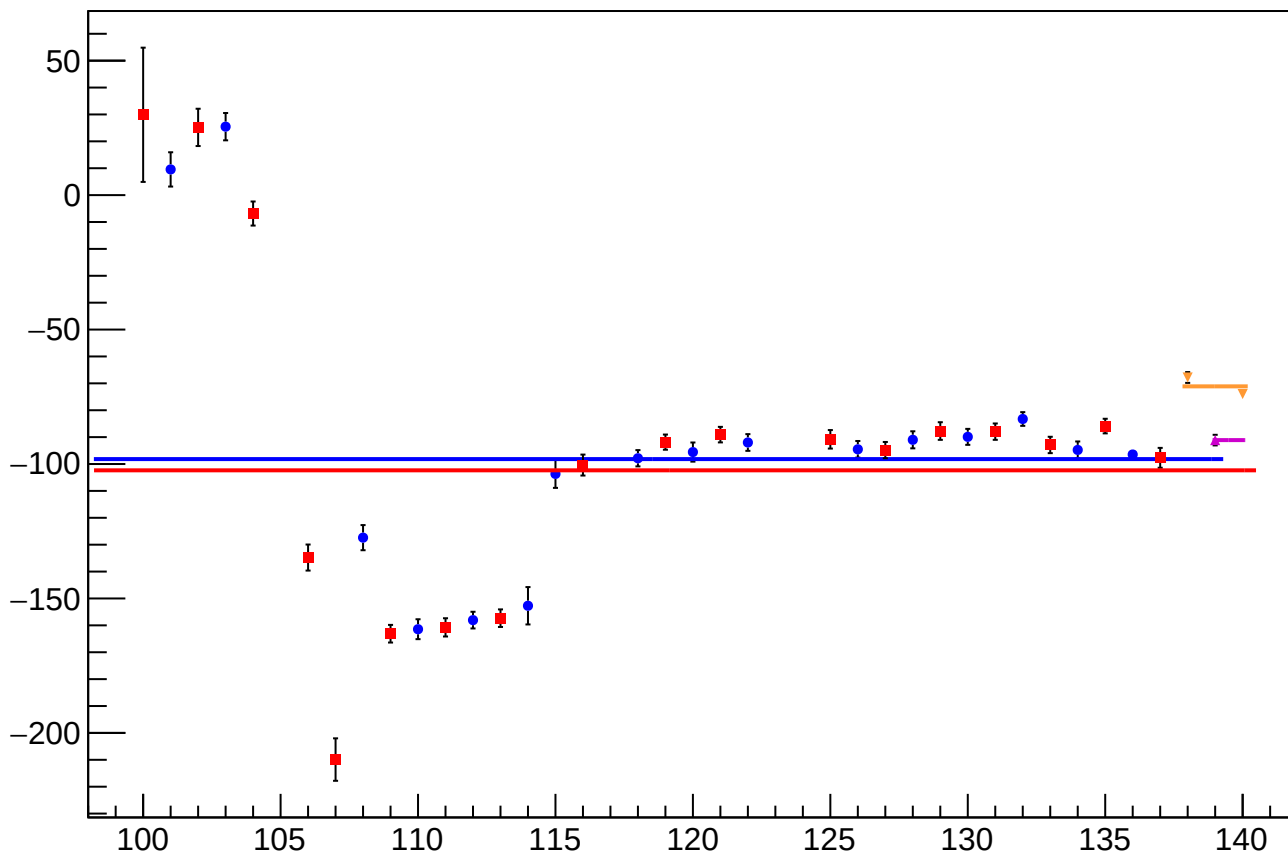
Left In: 4.717 ± 3.419 $\chi^2/\text{NDF}: 0.0/0$

+ sign 3.361 ± 0.623 $\chi^2/\text{NDF}: 147.4/17$

All: 2.249 ± 0.476 $\chi^2/\text{NDF}: 236.7/36$

- sign 0.693 ± 0.737 $\chi^2/\text{NDF}: 81.6/18$

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168 ± 0.813 χ^2/NDF : 1699.9/15

Left Out: -71.122 ± 1.368 χ^2/NDF : 5.0/1

Right Out: -102.349 ± 0.837 χ^2/NDF : 2117.5/17

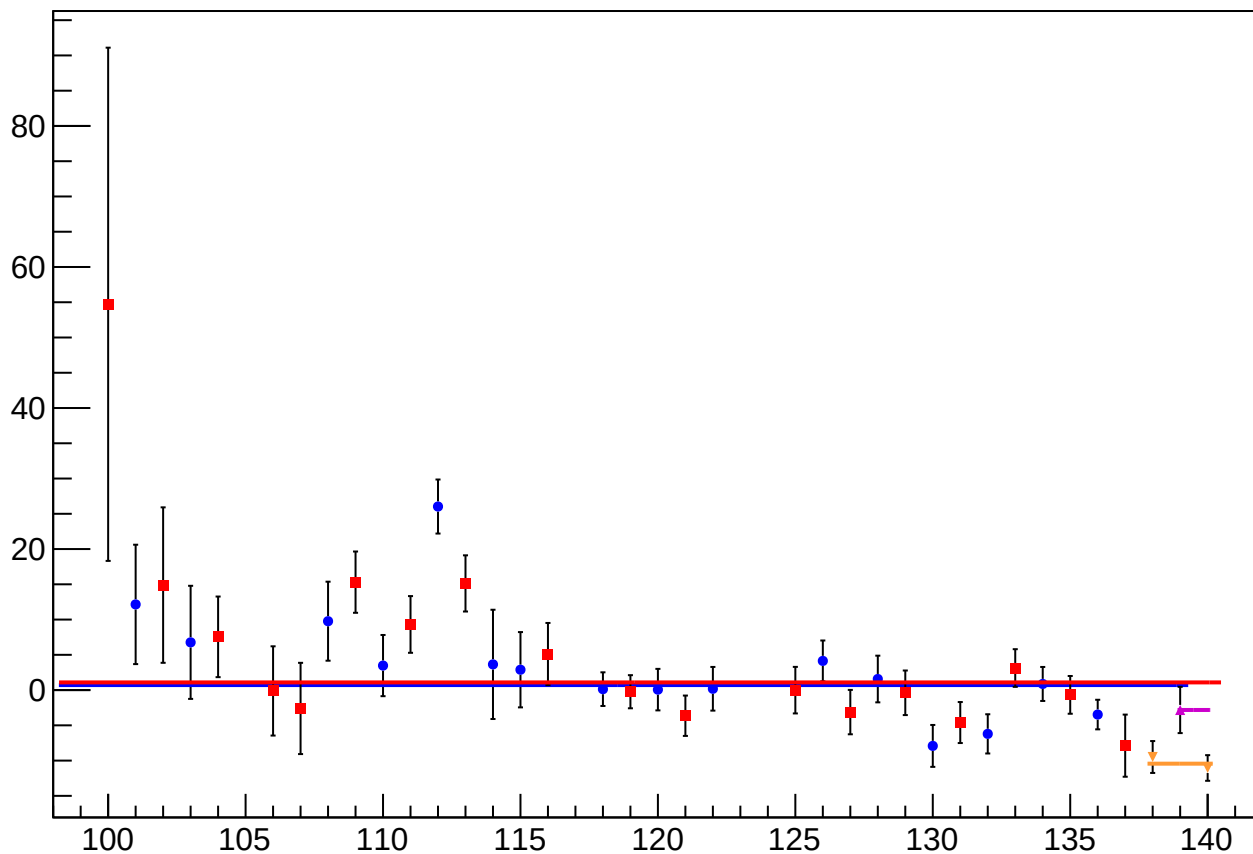
Left In: -91.109 ± 1.973 χ^2/NDF : 0.0/0

+ sign -91.111 ± 0.699 χ^2/NDF : 1993.9/17

All: -95.408 ± 0.518 χ^2/NDF : 4222.8/36

- sign -100.634 ± 0.770 χ^2/NDF : 2145.1/18

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.711 ± 0.821 χ^2/NDF : 69.6/15

Left Out: -10.435 ± 1.417 χ^2/NDF : 0.3/1

Right Out: 1.088 ± 0.856 χ^2/NDF : 47.7/17

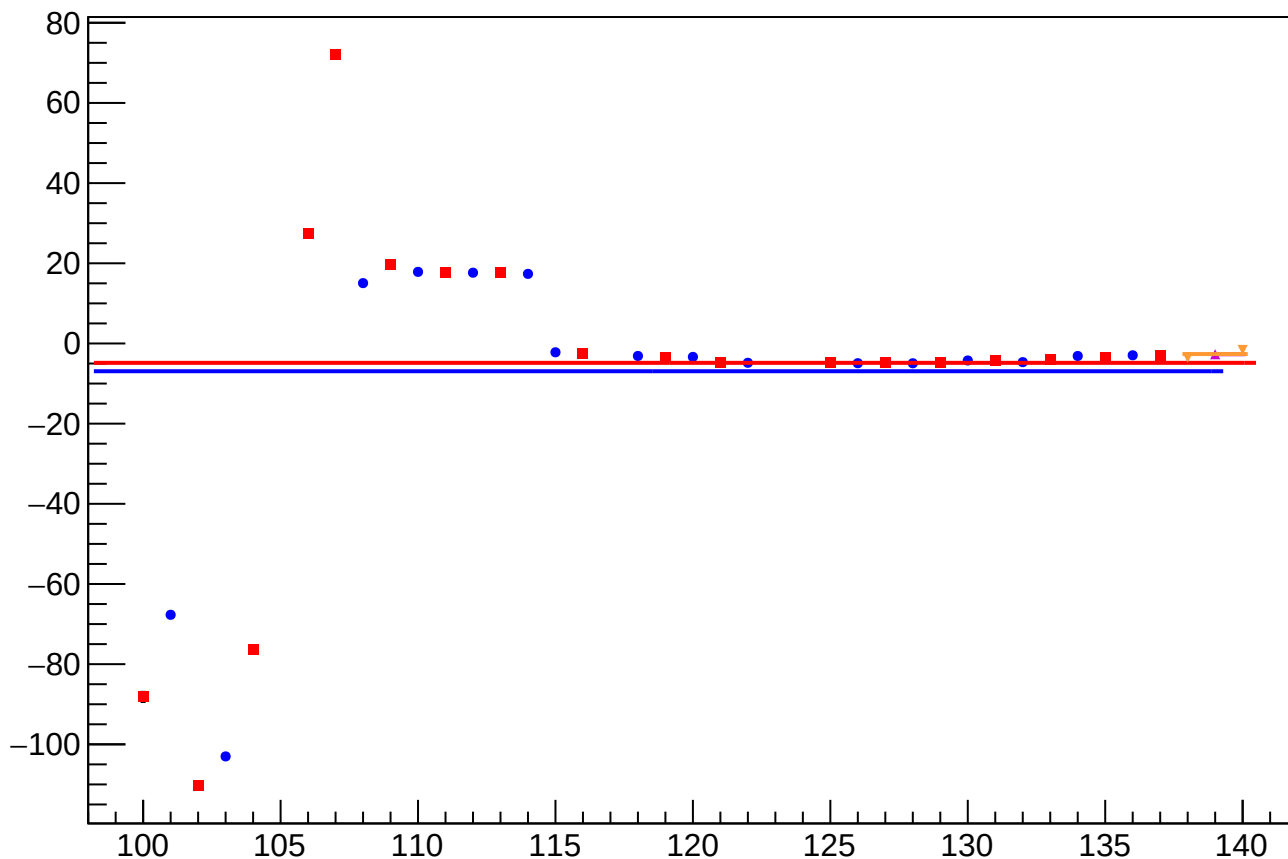
Left In: -2.820 ± 3.280 χ^2/NDF : 0.0/0

+ sign -2.093 ± 0.711 χ^2/NDF : 116.2/17

All: -0.851 ± 0.539 χ^2/NDF : 172.4/36

- sign 0.839 ± 0.829 χ^2/NDF : 49.0/18

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.927+/-0.049 χ^2/NDF : 265187.0/15

Left Out: -2.639+/-0.057 χ^2/NDF : 289.7/1

Right Out: -4.833+/-0.053 χ^2/NDF : 339363.3/17

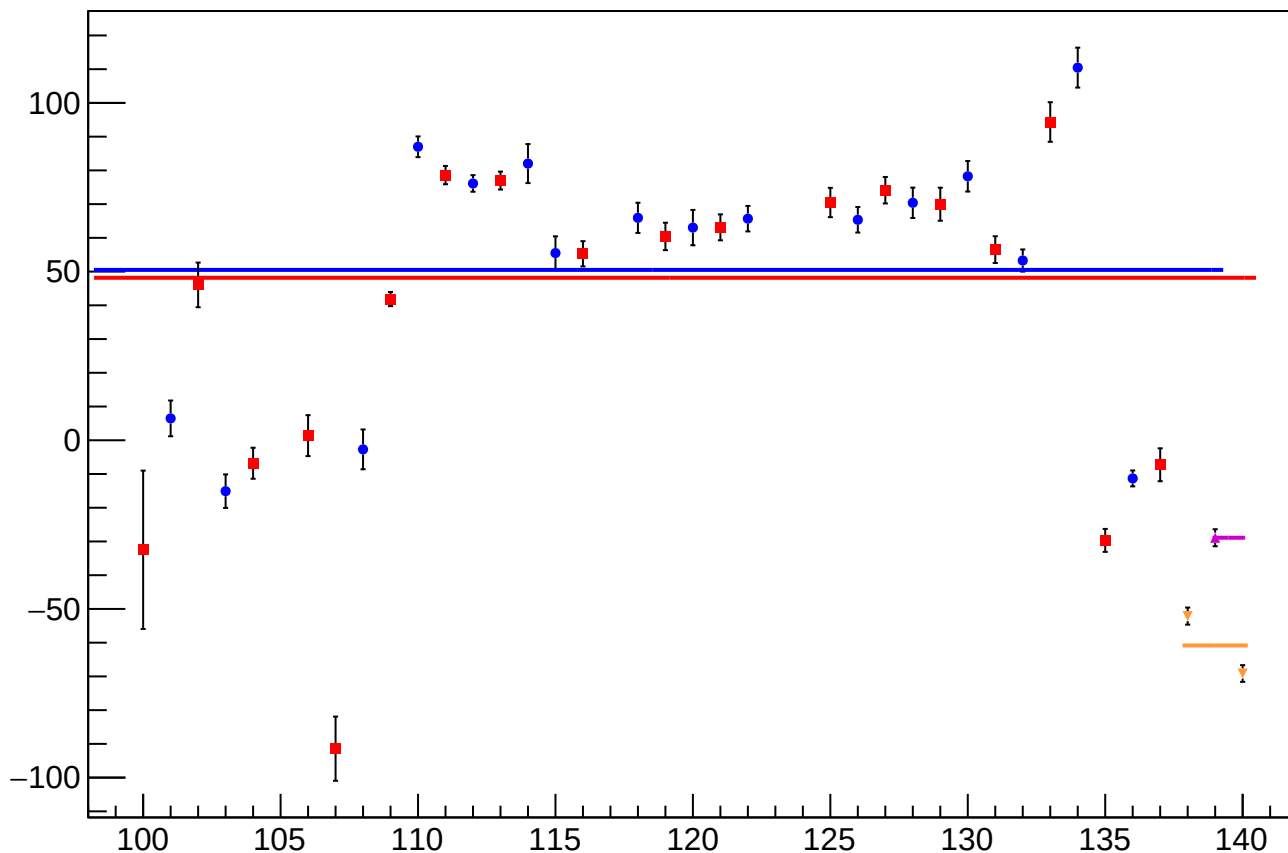
Left In: -2.690+/-0.070 χ^2/NDF : 0.0/0

+ sign -5.134+/-0.037 χ^2/NDF : 268741.5/17

All: -4.669+/-0.028 χ^2/NDF : 609060.4/36

- sign -4.063+/-0.042 χ^2/NDF : 339955.2/18

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503 $\pm$ 0.965 χ^2 /NDF: 1503.6/15

Left Out: -60.819 $\pm$ 1.774 χ^2 /NDF:23.0/1

Right Out: 48.172 $\pm$ 0.914 χ^2 /NDF: 1519.5/17

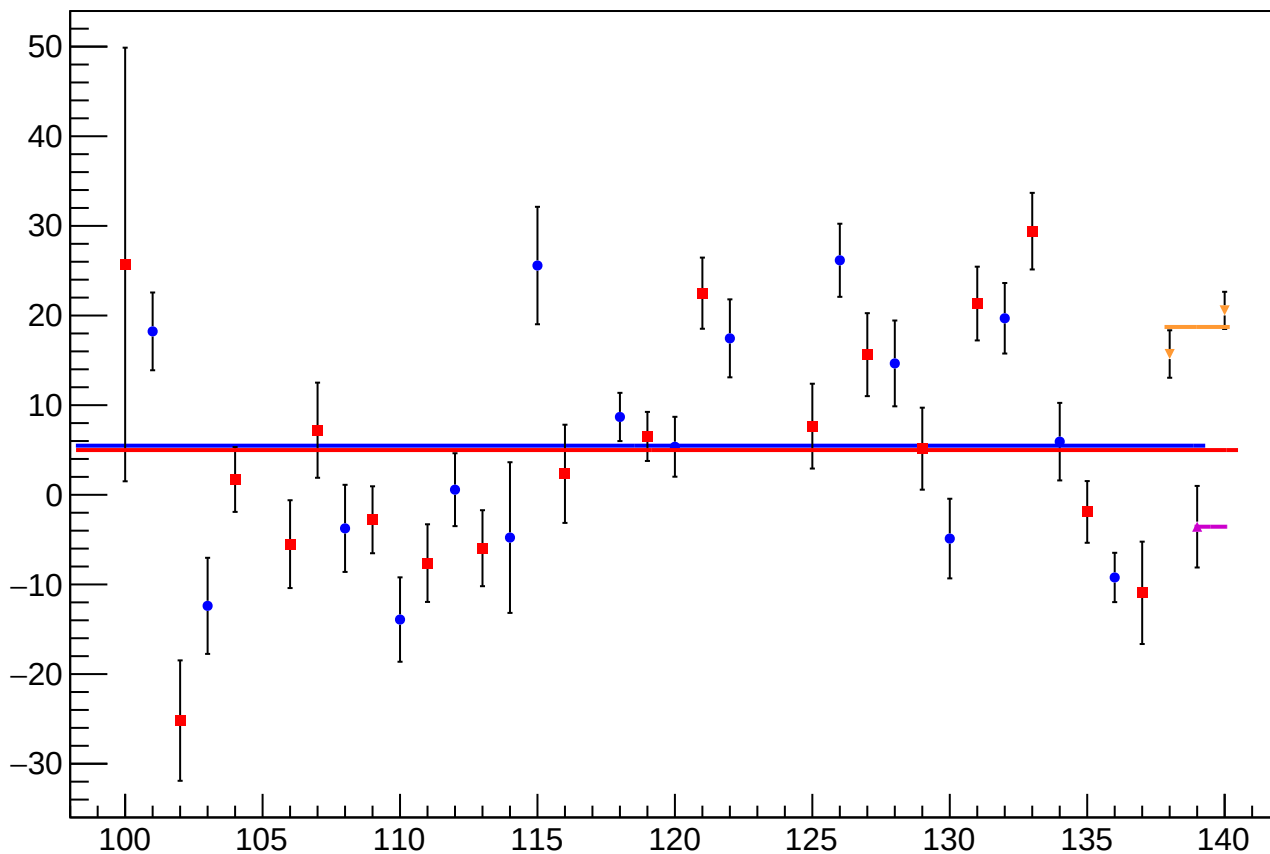
Left In: -28.895 $\pm$ 2.525 χ^2 /NDF:0.0/0

+ sign 25.064 $\pm$ 0.848 χ^2 /NDF: 4565.5/17

All: 32.054 $\pm$ 0.604 χ^2 /NDF: 7046.4/36

- sign 39.239 $\pm$ 0.860 χ^2 /NDF: 2343.1/18

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 5.481 ± 1.021 χ^2/NDF : 138.2/15

Left Out: 18.725 ± 1.632 χ^2/NDF : 2.1/1

Right Out: 4.992 ± 1.023 χ^2/NDF : 131.8/17

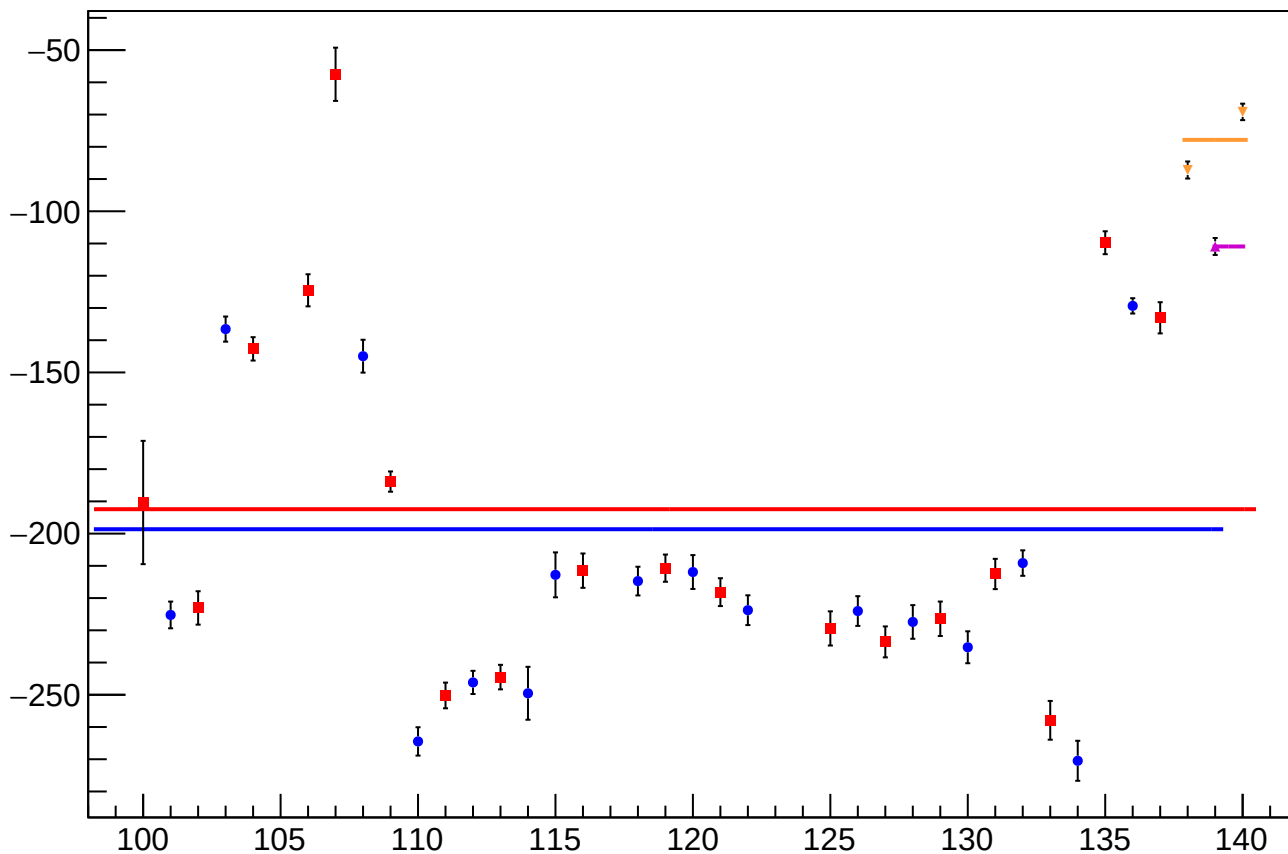
Left In: -3.559 ± 4.550 χ^2/NDF : 0.0/0

+ sign 9.208 ± 0.866 χ^2/NDF : 187.6/17

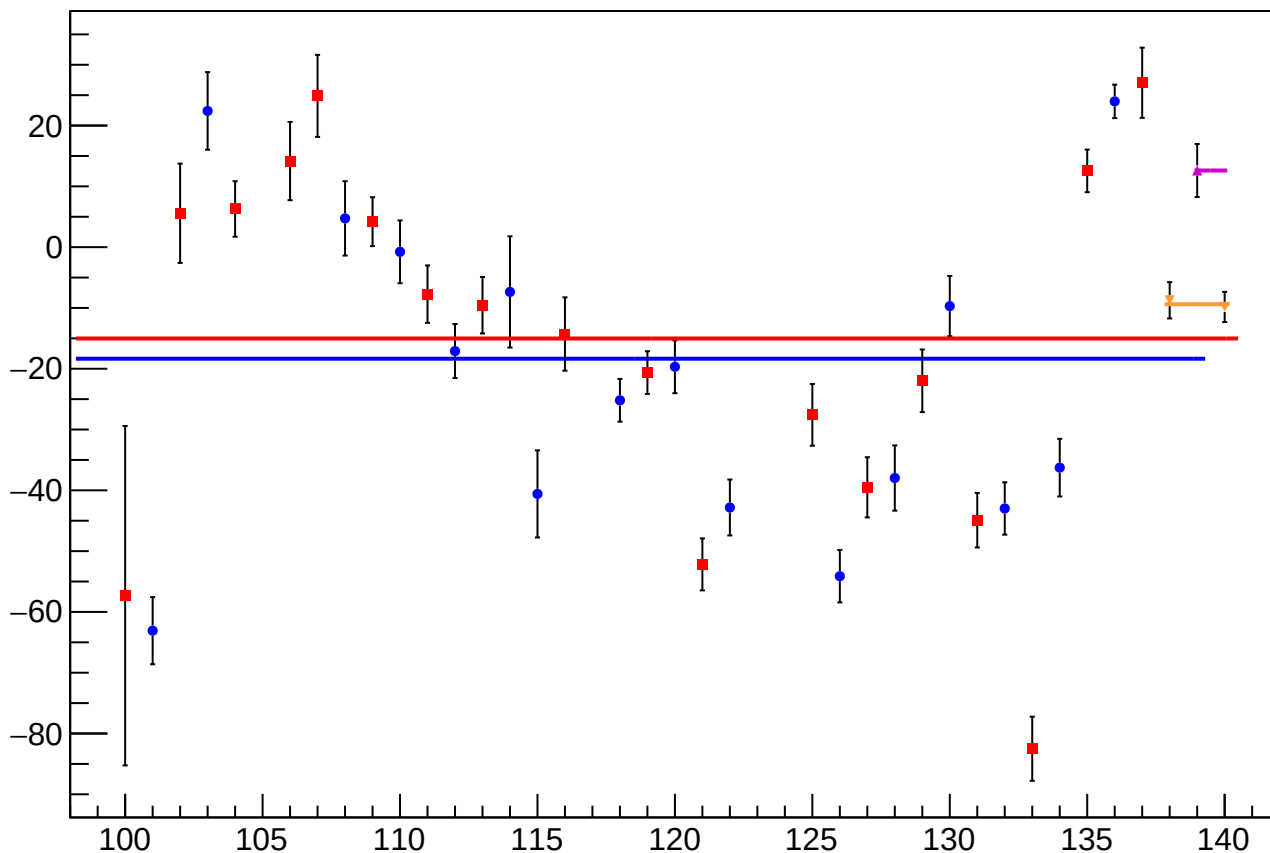
All: 7.220 ± 0.654 χ^2/NDF : 335.1/36

- sign 4.581 ± 0.998 χ^2/NDF : 135.2/18

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -18.348 ± 1.159 χ^2/NDF : 543.9/15

Left Out: -9.387 ± 1.909 χ^2/NDF : 0.1/1

Right Out: -15.021 ± 1.162 χ^2/NDF : 546.4/17

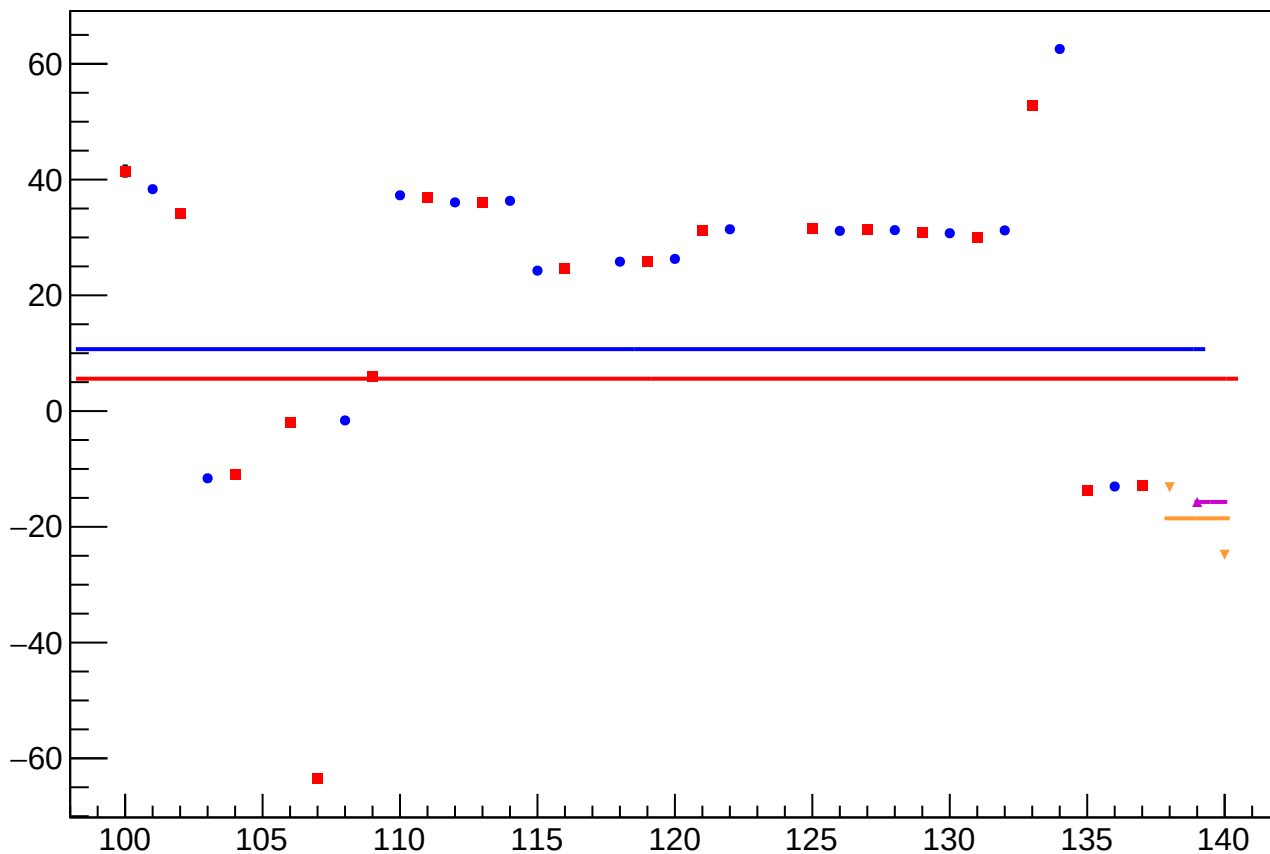
Left In: 12.610 ± 4.364 χ^2/NDF : 0.0/0

+ sign -15.933 ± 0.991 χ^2/NDF : 560.1/17

All: -14.733 ± 0.743 χ^2/NDF : 1147.3/36

- sign -13.192 ± 1.123 χ^2/NDF : 583.9/18

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 10.704 $\pm$ 0.063 χ^2 /NDF: 164860.8/15

Left Out: -18.532 $\pm$ 0.077 χ^2 /NDF: 5728.1/1

Right Out: 5.595 $\pm$ 0.064 χ^2 /NDF: 154966.4/17

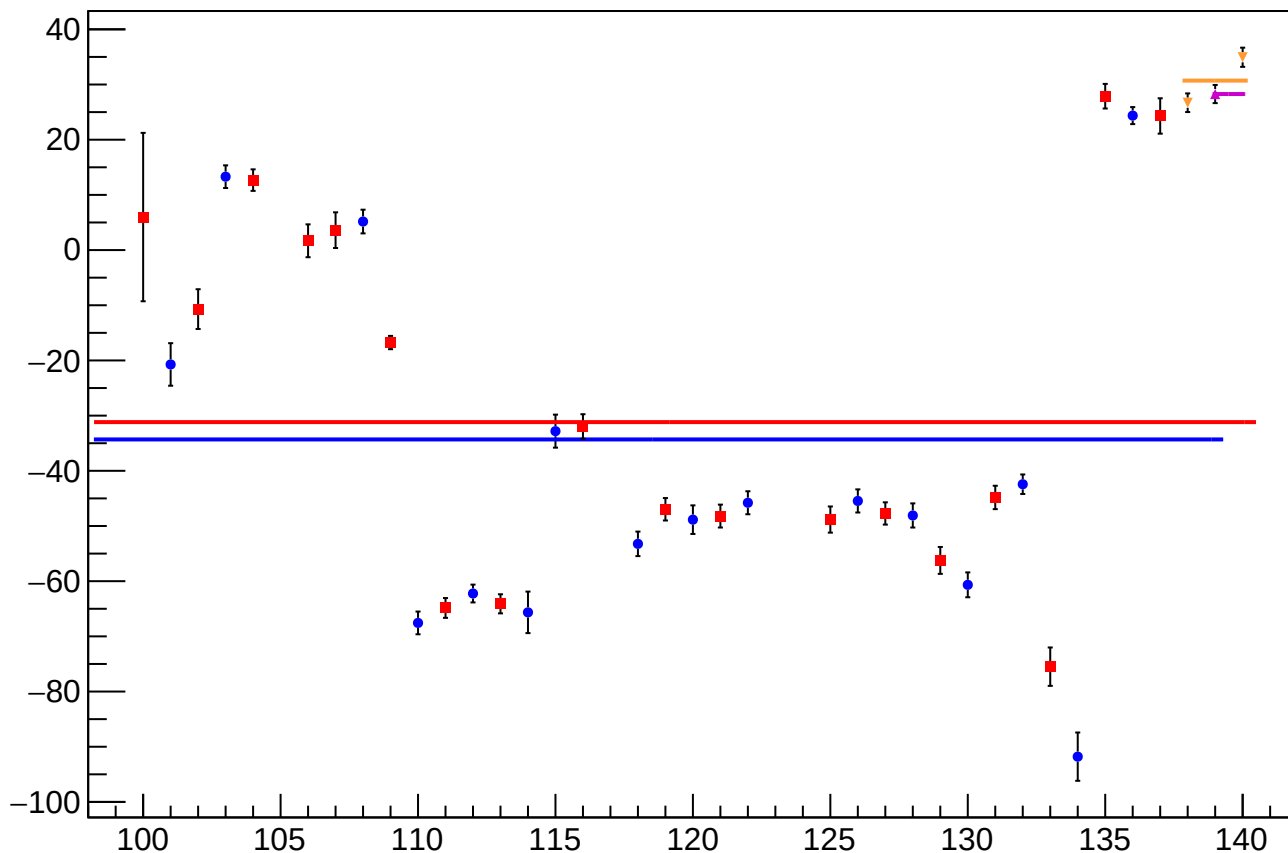
Left In: -15.701 $\pm$ 0.094 χ^2 /NDF: 0.0/0

+ sign -1.048 $\pm$ 0.049 χ^2 /NDF: 257424.7/17

All: -1.077 $\pm$ 0.036 χ^2 /NDF: 447675.1/36

- sign -1.110 $\pm$ 0.053 χ^2 /NDF: 190249.6/18

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: 30.709 ± 1.211 χ^2/NDF : 11.6/1

Right Out: -31.175 ± 0.516 χ^2/NDF : 3200.4/17

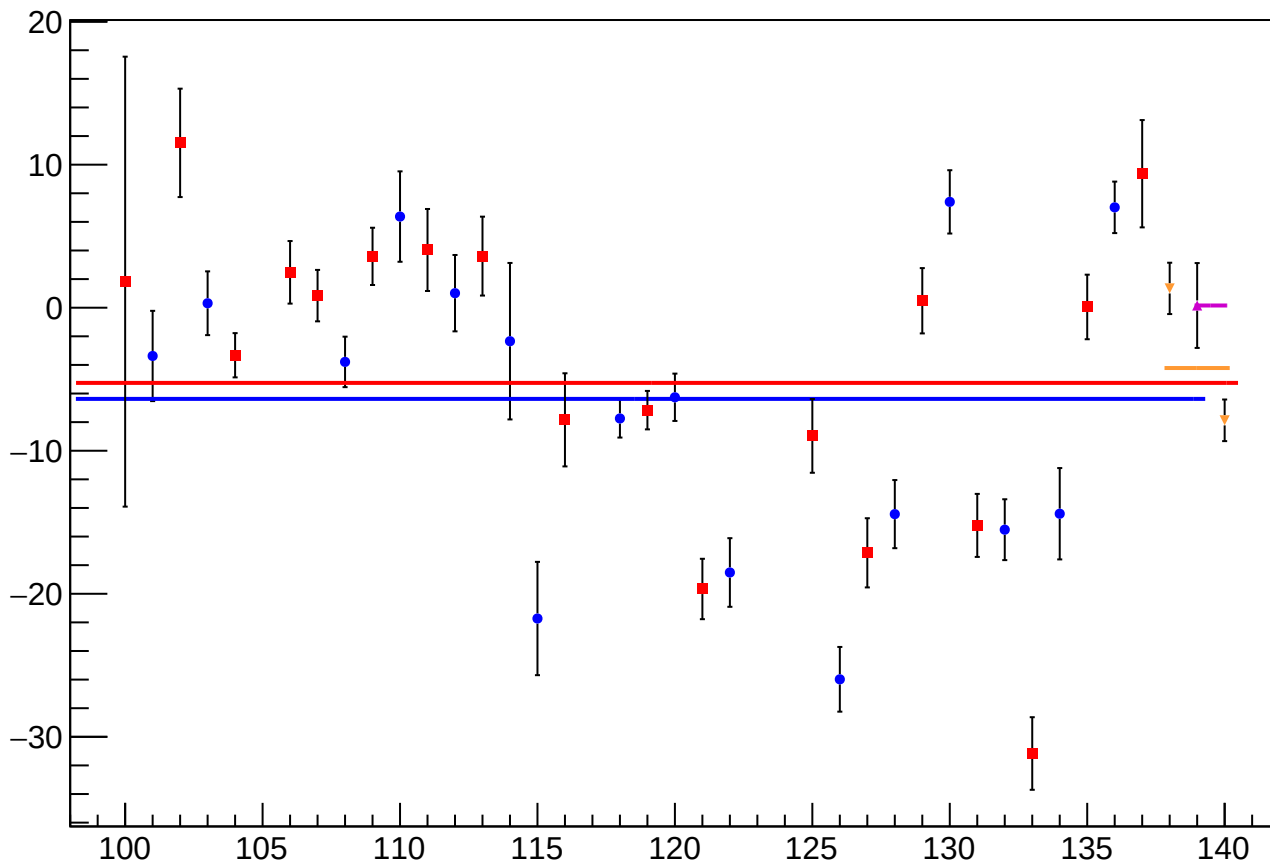
Left In: 28.276 ± 1.646 χ^2/NDF : 0.0/0

+ sign -23.276 ± 0.499 χ^2/NDF : 5904.1/17

All: -24.587 ± 0.350 χ^2/NDF : 10305.9/36

- sign -25.861 ± 0.492 χ^2/NDF : 4388.2/18

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -6.375+/-0.554 χ^2/NDF : 283.6/15

Left Out: -4.217+/-1.130 χ^2/NDF : 15.9/1

Right Out: -5.256+/-0.533 χ^2/NDF : 312.9/17

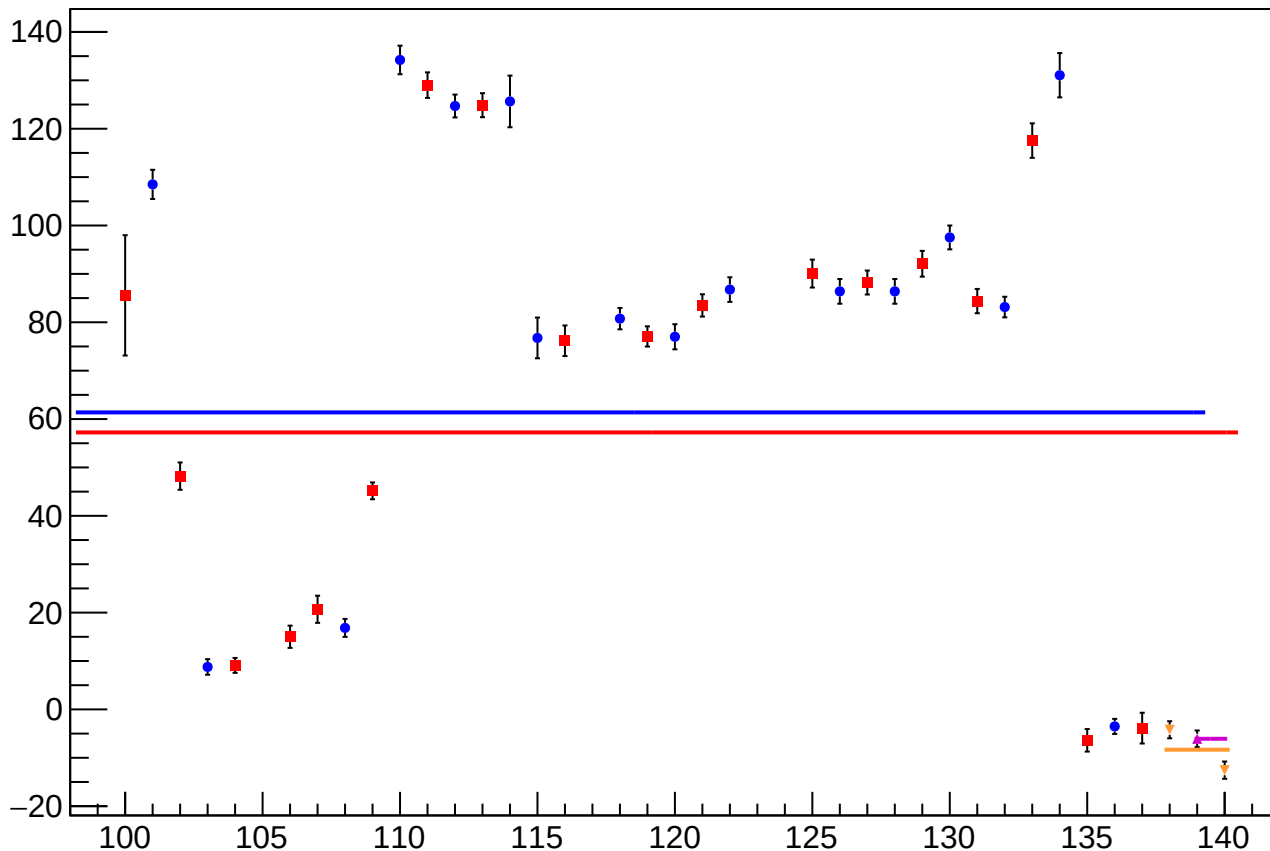
Left In: 0.155+/-2.967 χ^2/NDF : 0.0/0

+ sign -5.957+/-0.497 χ^2/NDF : 302.5/17

All: -5.545+/-0.361 χ^2/NDF : 620.1/36

- sign -5.088+/-0.524 χ^2/NDF : 316.1/18

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377 $\pm$ 0.594 χ^2 /NDF: 6066.8/15

Left Out: -8.332 $\pm$ 1.256 χ^2 /NDF: 11.1/1

Right Out: 57.240 $\pm$ 0.580 χ^2 /NDF: 5267.5/17

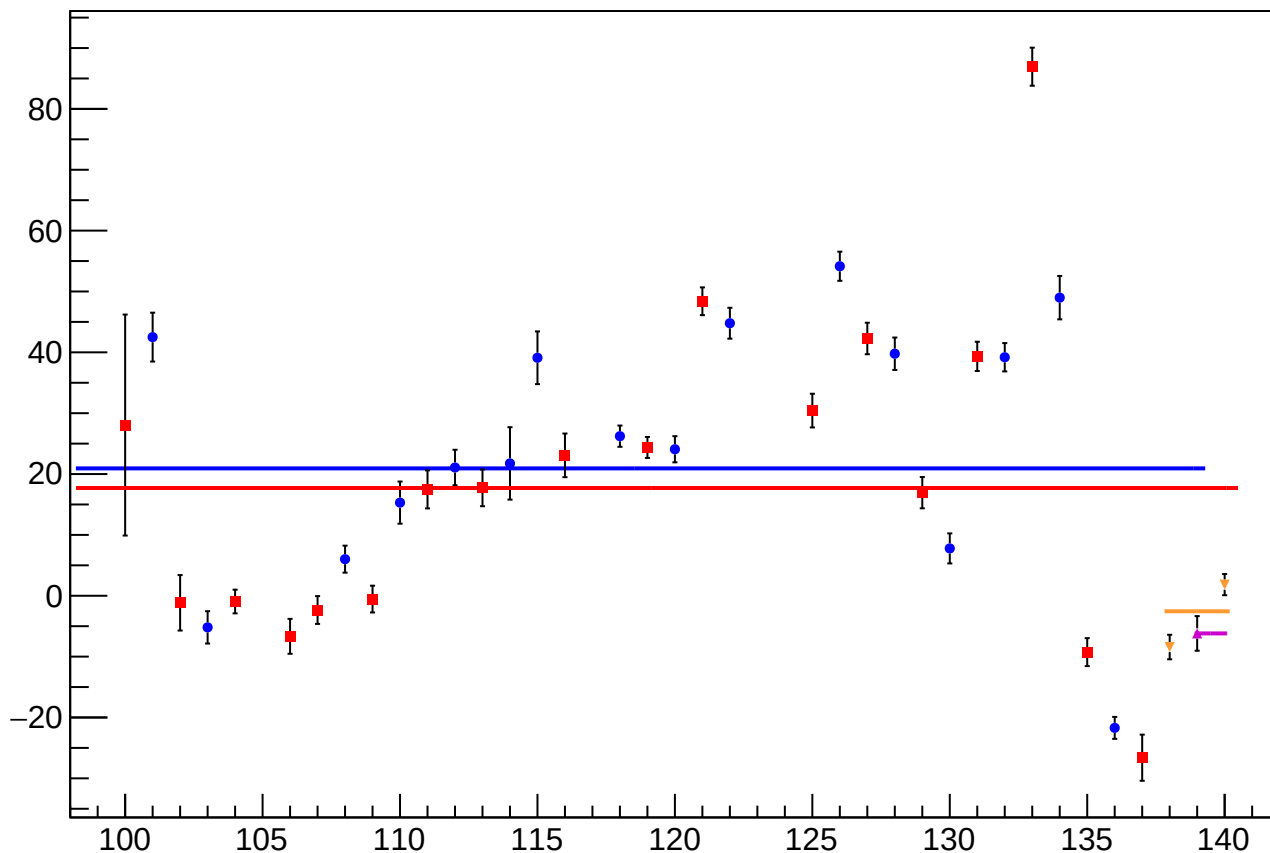
Left In: -6.074 $\pm$ 1.716 χ^2 /NDF: 0.0/0

+ sign 48.617 $\pm$ 0.537 χ^2 /NDF: 8596.1/17

All: 49.656 $\pm$ 0.384 χ^2 /NDF: 15093.3/36

- sign 50.743 $\pm$ 0.550 χ^2 /NDF: 6489.5/18

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931 $\pm$ 0.640 χ^2 /NDF: 1245.4/15

Left Out: -2.551 $\pm$ 1.317 χ^2 /NDF: 14.8/1

Right Out: 17.711 $\pm$ 0.618 χ^2 /NDF: 1481.9/17

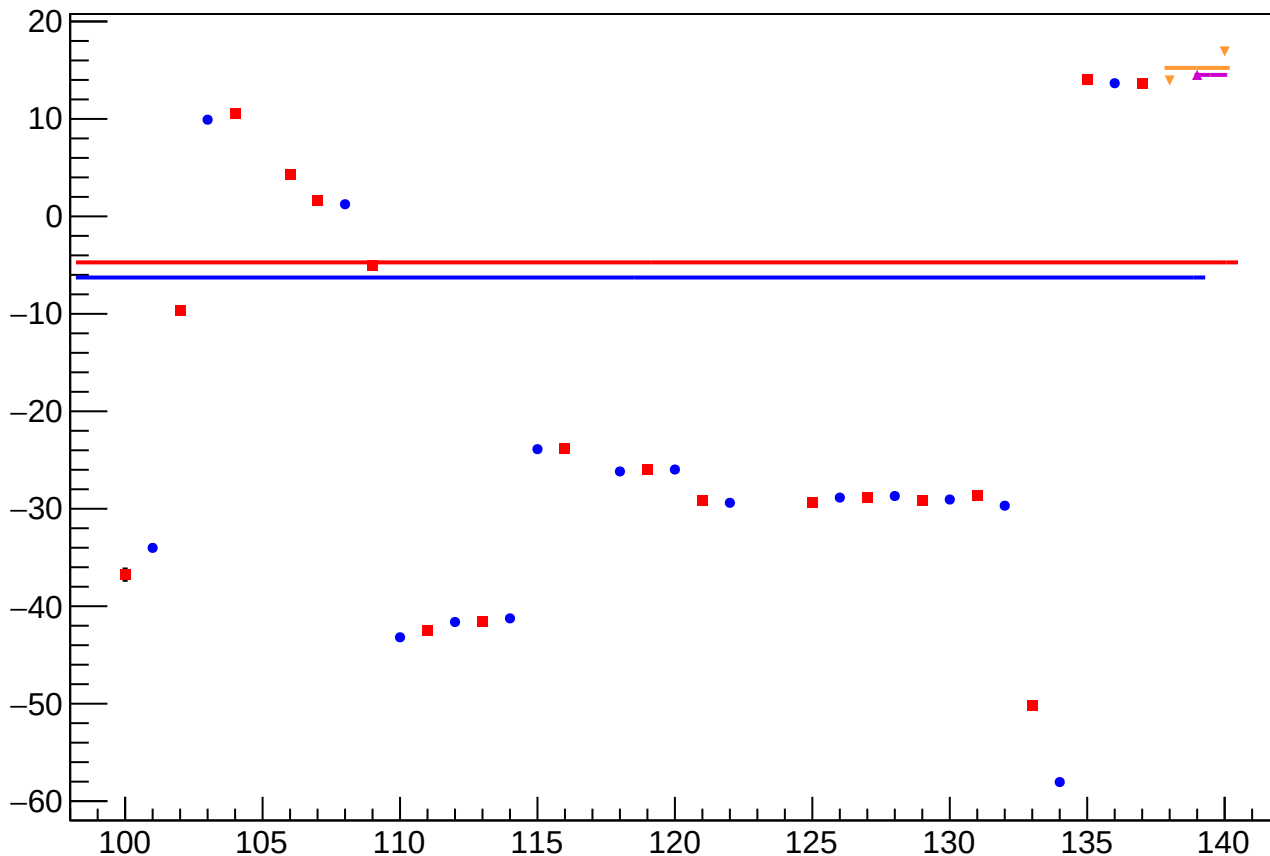
Left In: -6.188 $\pm$ 2.845 χ^2 /NDF: 0.0/0

+ sign 16.443 $\pm$ 0.576 χ^2 /NDF: 1517.4/17

All: 16.534 $\pm$ 0.417 χ^2 /NDF: 3066.8/36

- sign 16.634 $\pm$ 0.604 χ^2 /NDF: 1549.3/18

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271 ± 0.033 χ^2/NDF : 410461.0/15

Left Out: 15.239 ± 0.052 χ^2/NDF : 803.5/1

Right Out: -4.720 ± 0.034 χ^2/NDF : 306663.6/17

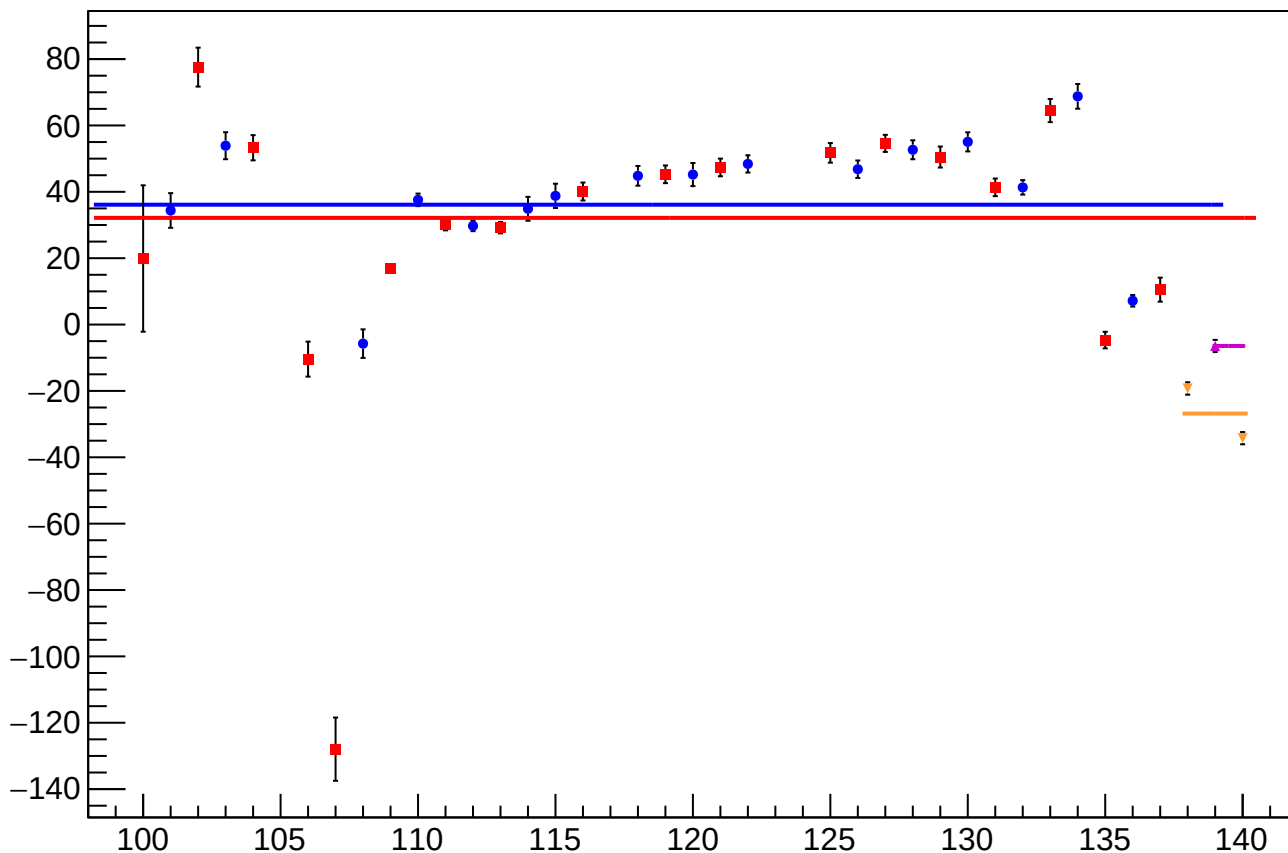
Left In: 14.517 ± 0.061 χ^2/NDF : 0.0/0

+ sign -0.005 ± 0.028 χ^2/NDF : 531967.2/17

All: -0.120 ± 0.020 χ^2/NDF : 914494.7/36

- sign -0.246 ± 0.030 χ^2/NDF : 382492.5/18

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118 $\pm$ 0.656 χ^2 /NDF: 622.8/15

Left Out: -26.820 $\pm$ 1.315 χ^2 /NDF: 32.5/1

Right Out: 32.150 $\pm$ 0.631 χ^2 /NDF: 1114.6/17

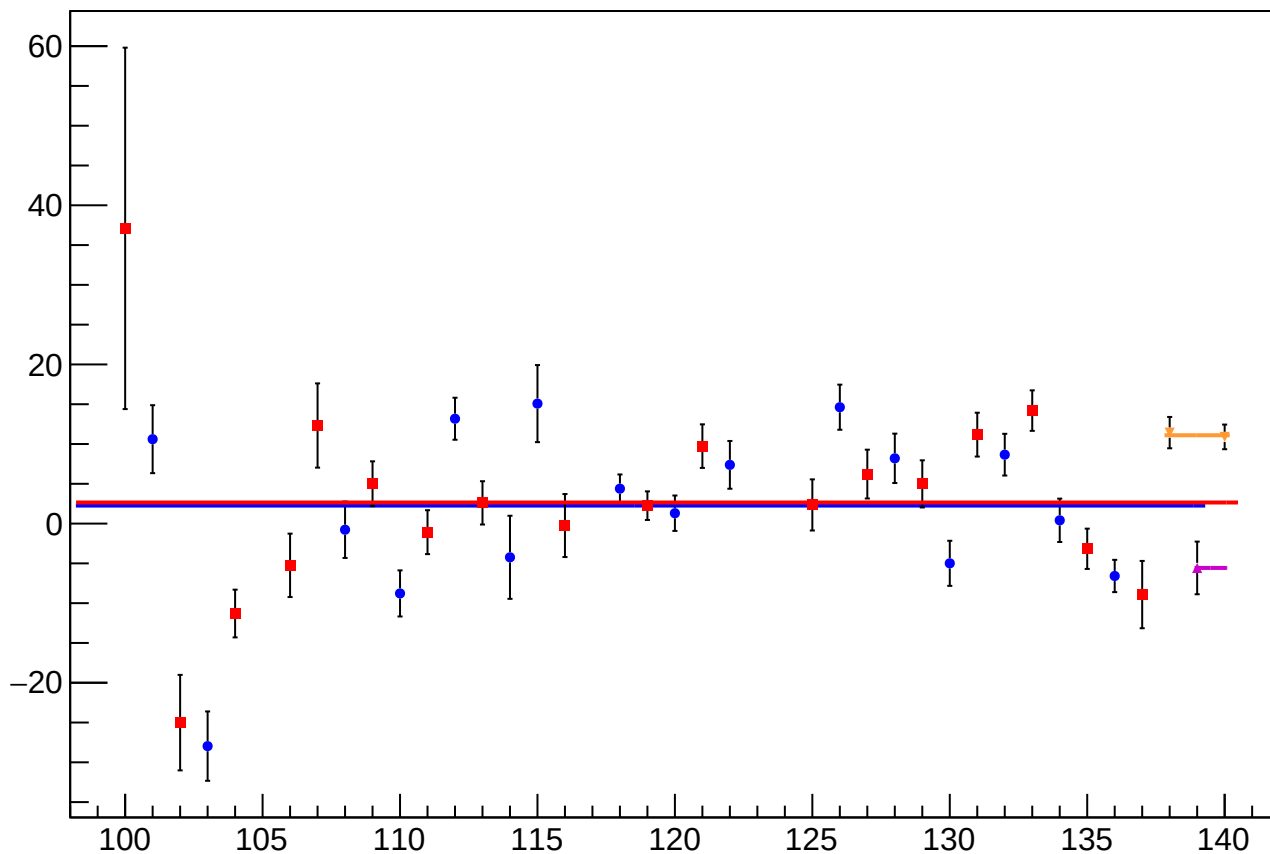
Left In: -6.452 $\pm$ 1.835 χ^2 /NDF: 0.0/0

+ sign 23.556 $\pm$ 0.587 χ^2 /NDF: 2490.1/17

All: 25.779 $\pm$ 0.418 χ^2 /NDF: 4029.7/36

- sign 28.072 $\pm$ 0.596 χ^2 /NDF: 1510.5/18

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265 $\pm$ 0.701 χ^2 /NDF: 152.0/15

Left Out: 11.101 $\pm$ 1.217 χ^2 /NDF:0.0/1

Right Out: 2.651 $\pm$ 0.715 χ^2 /NDF: 107.2/17

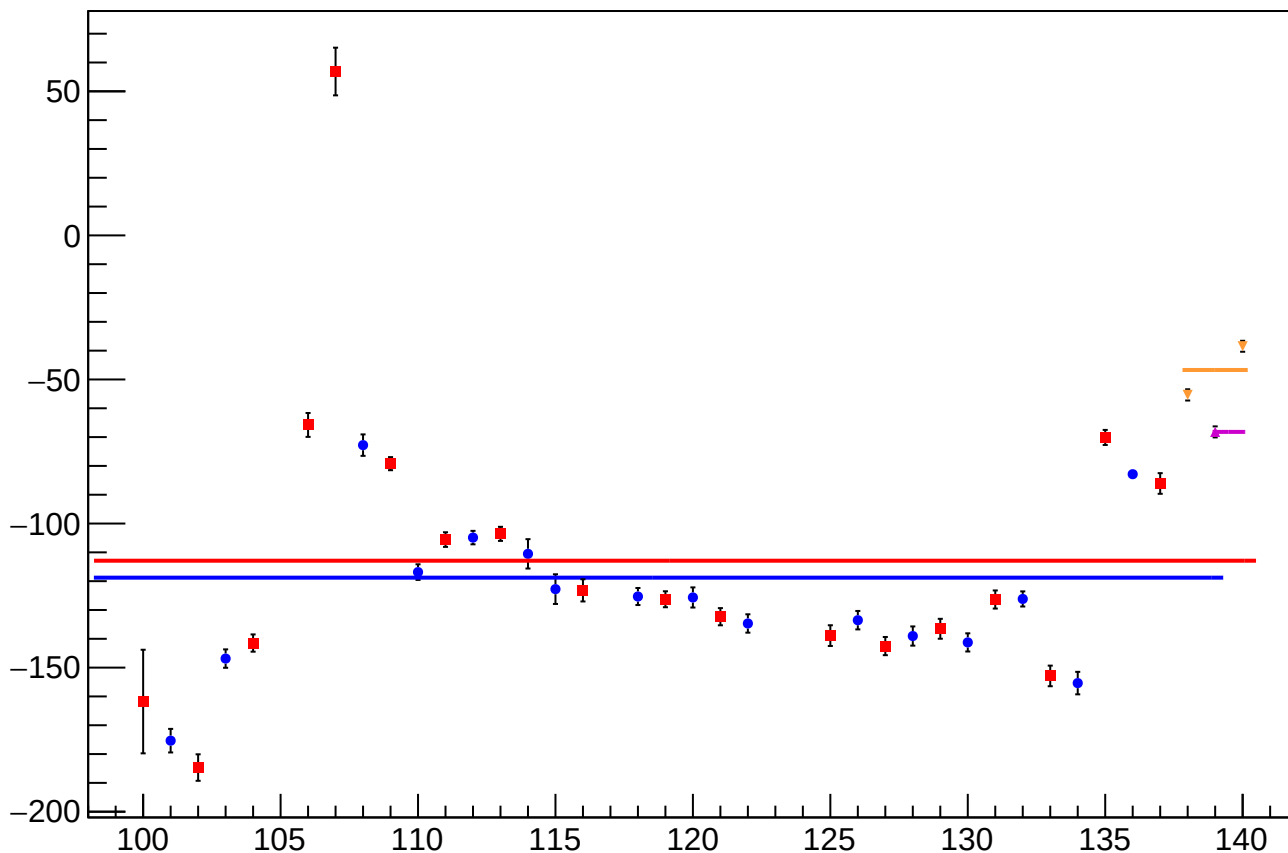
Left In: -5.572 $\pm$ 3.309 χ^2 /NDF:0.0/0

+ sign 4.468 $\pm$ 0.608 χ^2 /NDF: 191.6/17

All: 3.528 $\pm$ 0.459 χ^2 /NDF: 310.3/36

- sign 2.284 $\pm$ 0.699 χ^2 /NDF: 113.1/18

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778 ± 0.757 $\chi^2/\text{NDF}: 1119.5/15$

Left Out: -46.711 ± 1.362 $\chi^2/\text{NDF}: 38.4/1$

Right Out: -112.899 ± 0.761 $\chi^2/\text{NDF}: 1862.9/17$

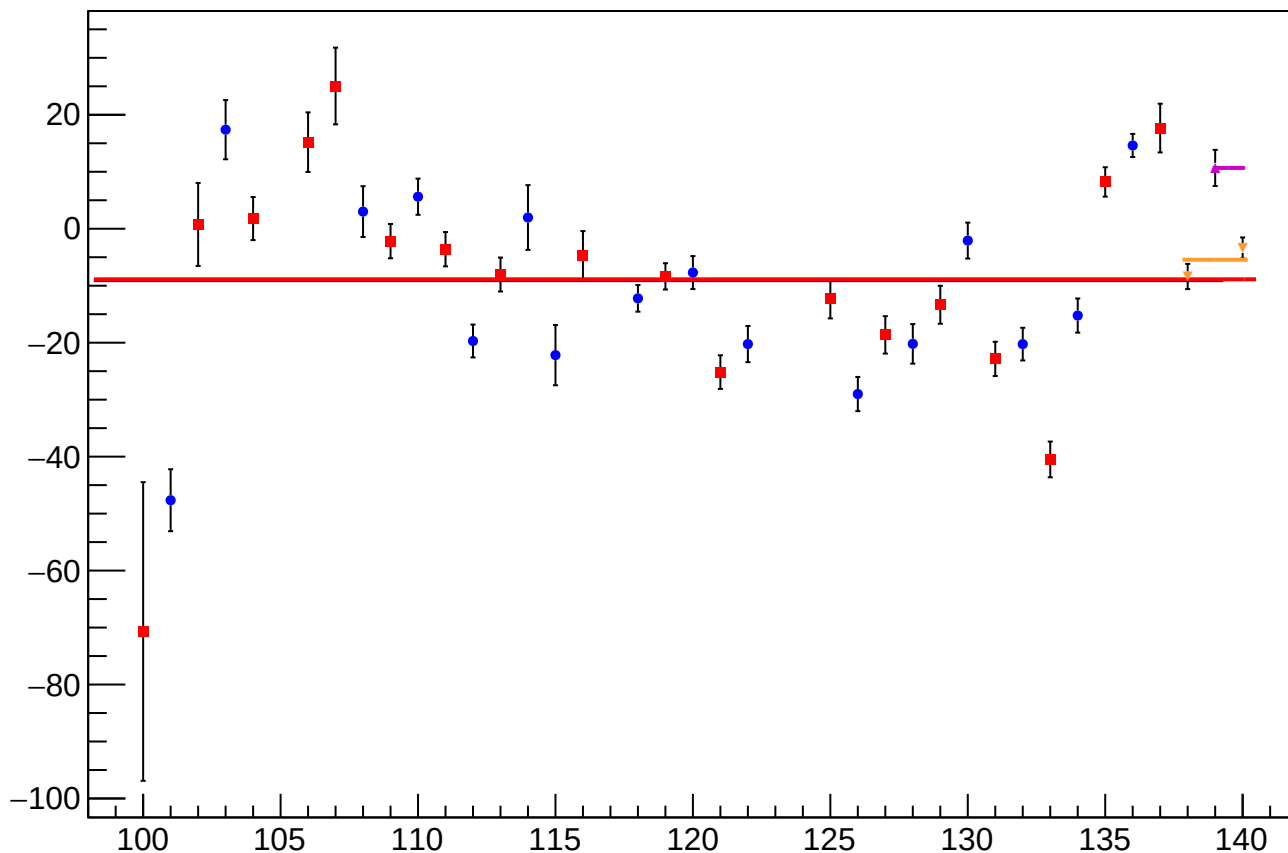
Left In: -68.196 ± 1.912 $\chi^2/\text{NDF}: 0.0/0$

+ sign -101.777 ± 0.662 $\chi^2/\text{NDF}: 3297.0/17$

All: -104.116 ± 0.483 $\chi^2/\text{NDF}: 5658.4/36$

- sign -106.788 ± 0.707 $\chi^2/\text{NDF}: 2334.7/18$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -9.022 ± 0.796 χ^2/NDF : 358.0/15

Left Out: -5.439 ± 1.421 χ^2/NDF : 3.0/1

Right Out: -8.878 ± 0.810 χ^2/NDF : 318.7/17

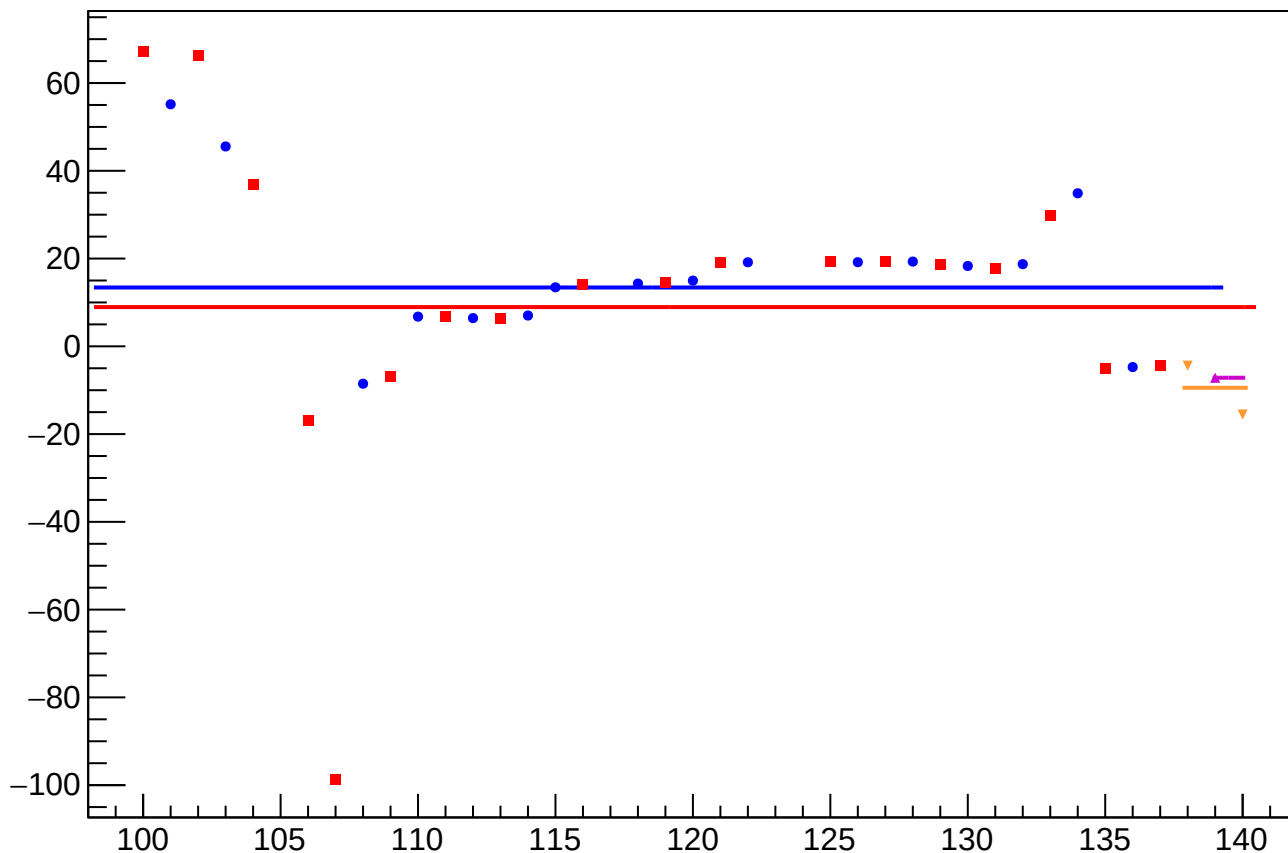
Left In: 10.674 ± 3.174 χ^2/NDF : 0.0/0

+ sign -8.167 ± 0.694 χ^2/NDF : 365.9/17

All: -7.953 ± 0.520 χ^2/NDF : 720.4/36

- sign -7.681 ± 0.785 χ^2/NDF : 354.4/18

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412 $\pm$ 0.045 χ^2 /NDF: 183707.4/15

Left Out: -9.450 $\pm$ 0.057 χ^2 /NDF: 9545.5/1

Right Out: 8.943 $\pm$ 0.047 χ^2 /NDF: 291126.5/17

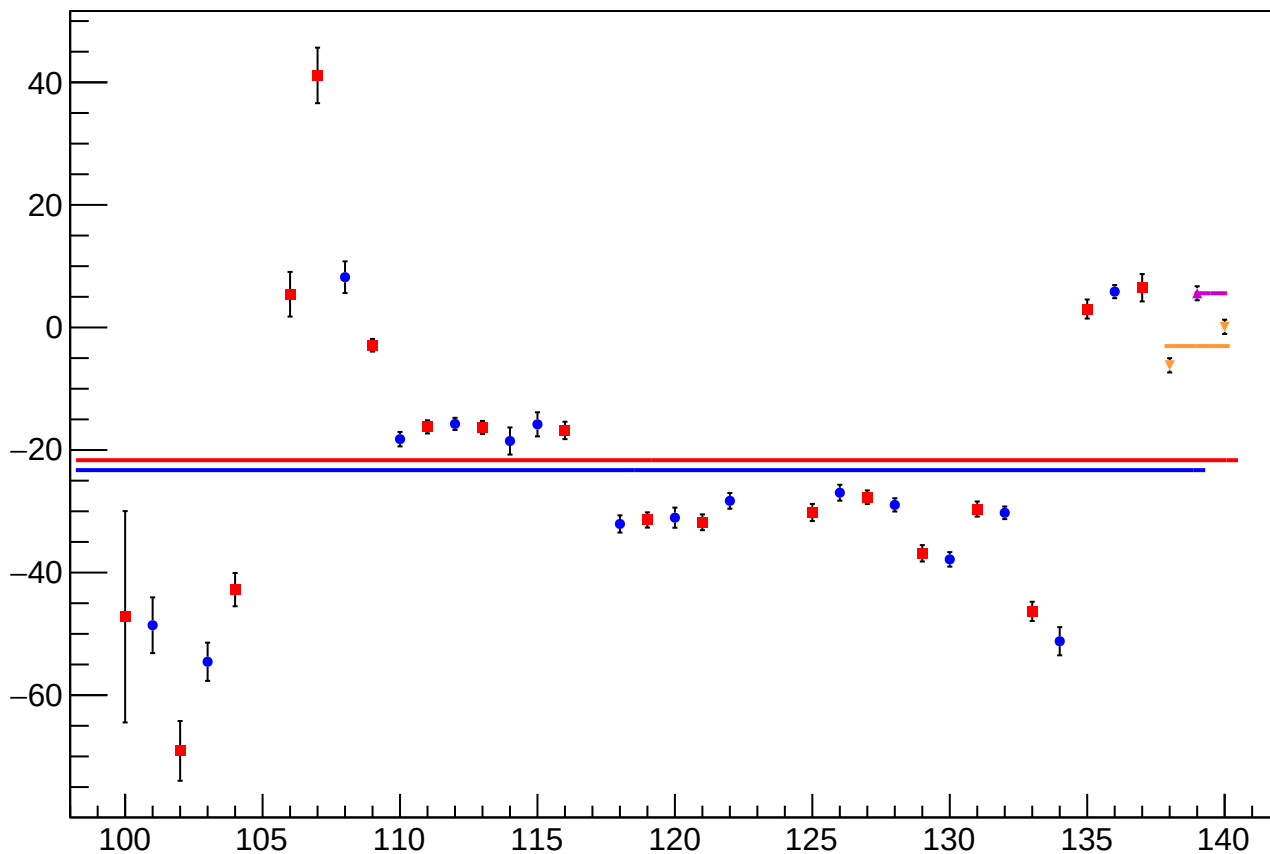
Left In: -7.160 $\pm$ 0.068 χ^2 /NDF: 0.0/0

+ sign 4.515 $\pm$ 0.035 χ^2 /NDF: 292455.0/17

All: 4.148 $\pm$ 0.026 χ^2 /NDF: 621374.2/36

- sign 3.703 $\pm$ 0.039 χ^2 /NDF: 328681.2/18

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281 ± 0.350 χ^2/NDF : 1567.9/15

Left Out: -3.038 ± 0.825 χ^2/NDF : 14.5/1

Right Out: -21.660 ± 0.347 χ^2/NDF : 1813.6/17

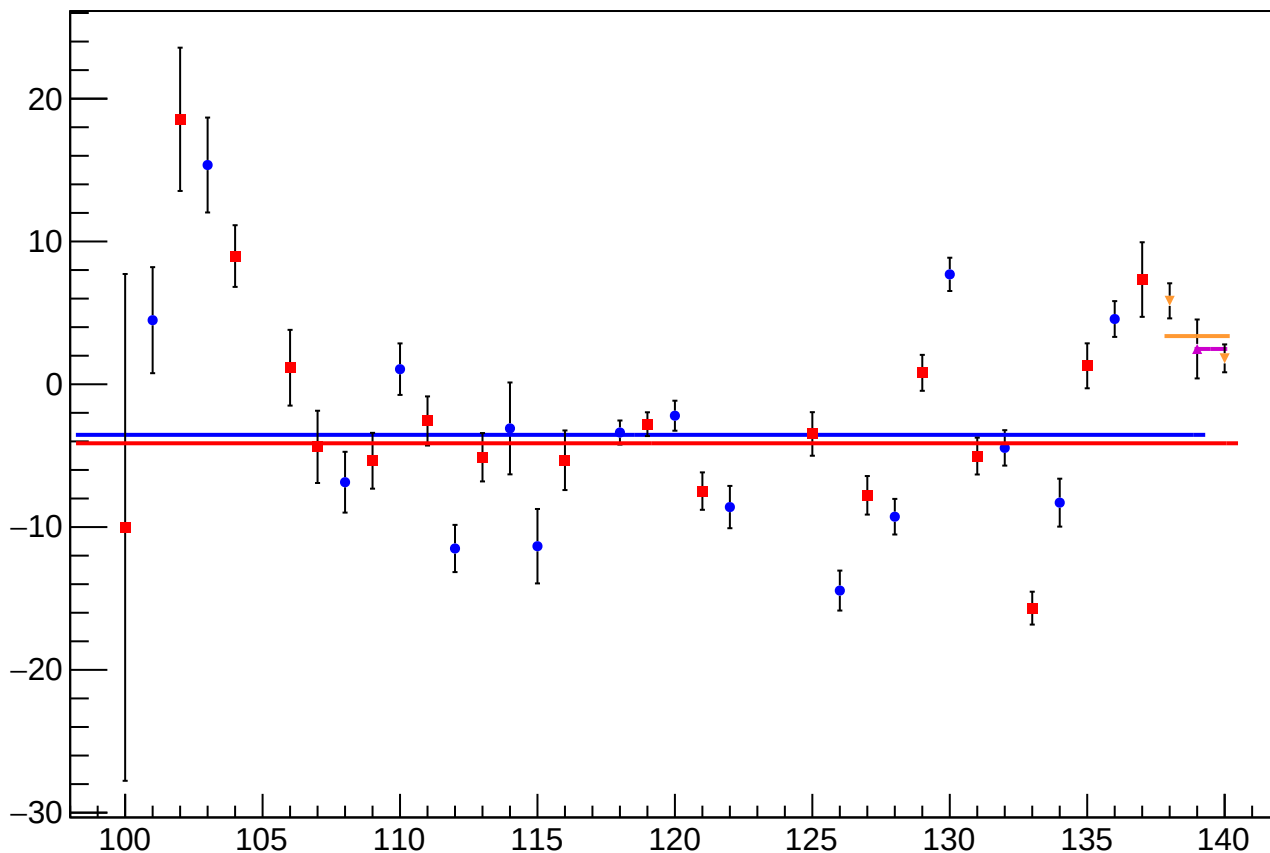
Left In: 5.582 ± 1.144 χ^2/NDF : 0.0/0

+ sign -20.188 ± 0.323 χ^2/NDF : 2092.4/17

All: -19.787 ± 0.231 χ^2/NDF : 4428.4/36

- sign -19.361 ± 0.332 χ^2/NDF : 2332.7/18

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.541 ± 0.363 χ^2/NDF : 316.8/15

Left Out: 3.375 ± 0.764 χ^2/NDF : 6.6/1

Right Out: -4.132 ± 0.371 χ^2/NDF : 227.4/17

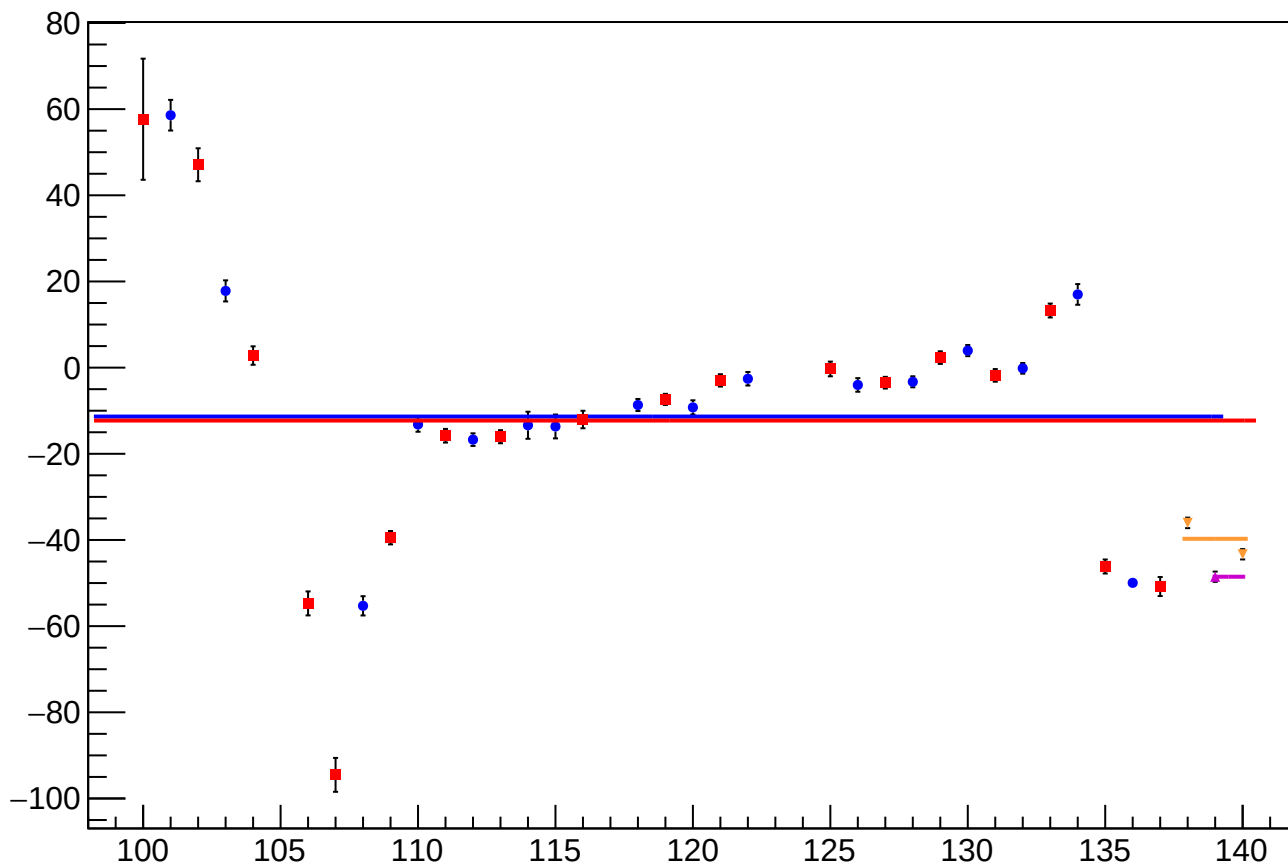
Left In: 2.473 ± 2.064 χ^2/NDF : 0.0/0

+ sign -2.271 ± 0.328 χ^2/NDF : 390.1/17

All: -3.010 ± 0.244 χ^2/NDF : 638.9/36

- sign -3.926 ± 0.365 χ^2/NDF : 237.4/18

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355 ± 0.406 $\chi^2/\text{NDF}: 2661.6/15$

Left Out: -39.731 ± 0.855 $\chi^2/\text{NDF}: 18.2/1$

Right Out: -12.281 ± 0.413 $\chi^2/\text{NDF}: 2590.4/17$

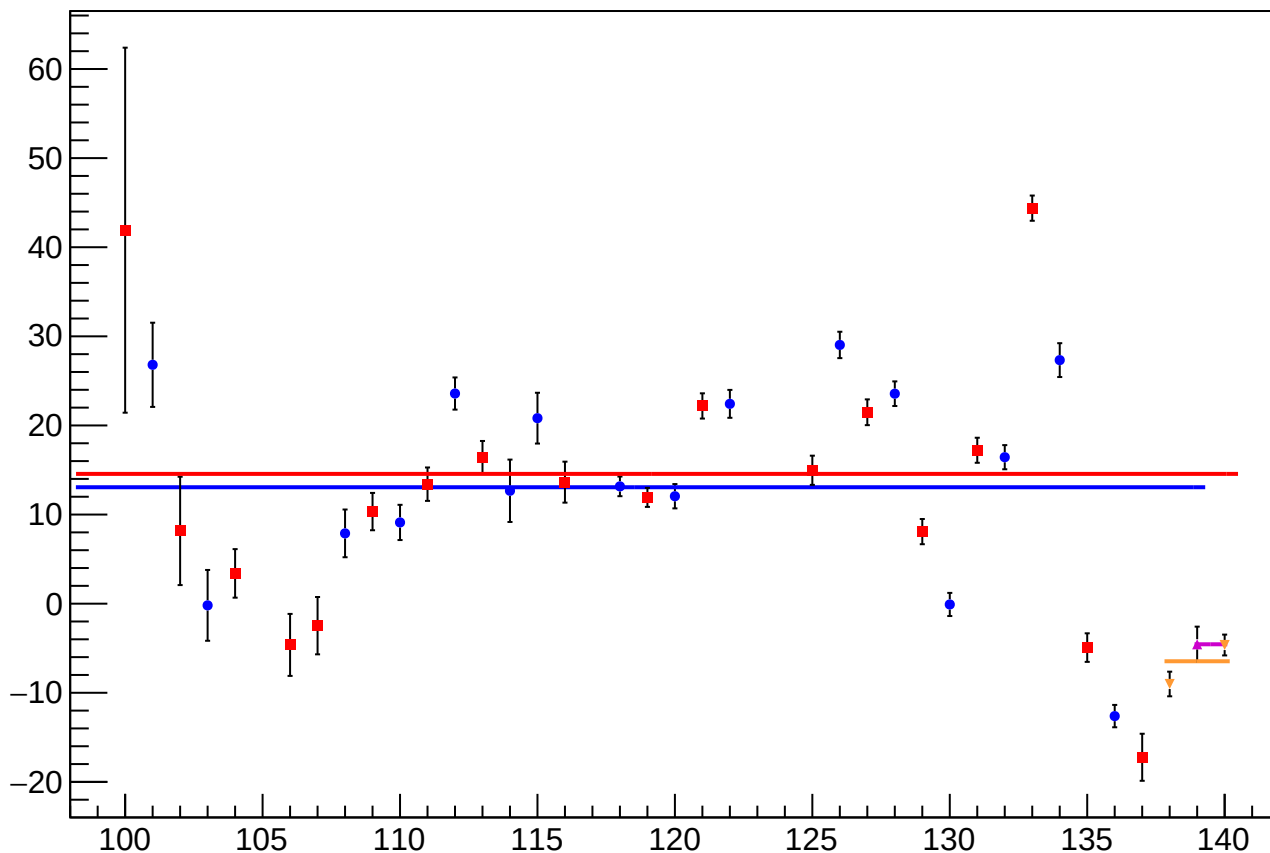
Left In: -48.533 ± 1.192 $\chi^2/\text{NDF}: 0.0/0$

+ sign -16.570 ± 0.367 $\chi^2/\text{NDF}: 3579.0/17$

All: -16.381 ± 0.267 $\chi^2/\text{NDF}: 6995.4/36$

- sign -16.167 ± 0.390 $\chi^2/\text{NDF}: 3415.8/18$

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066 $\pm$ 0.415 χ^2 /NDF: 863.4/15

Left Out: -6.462 $\pm$ 0.892 χ^2 /NDF: 5.8/1

Right Out: 14.563 $\pm$ 0.423 χ^2 /NDF: 903.1/17

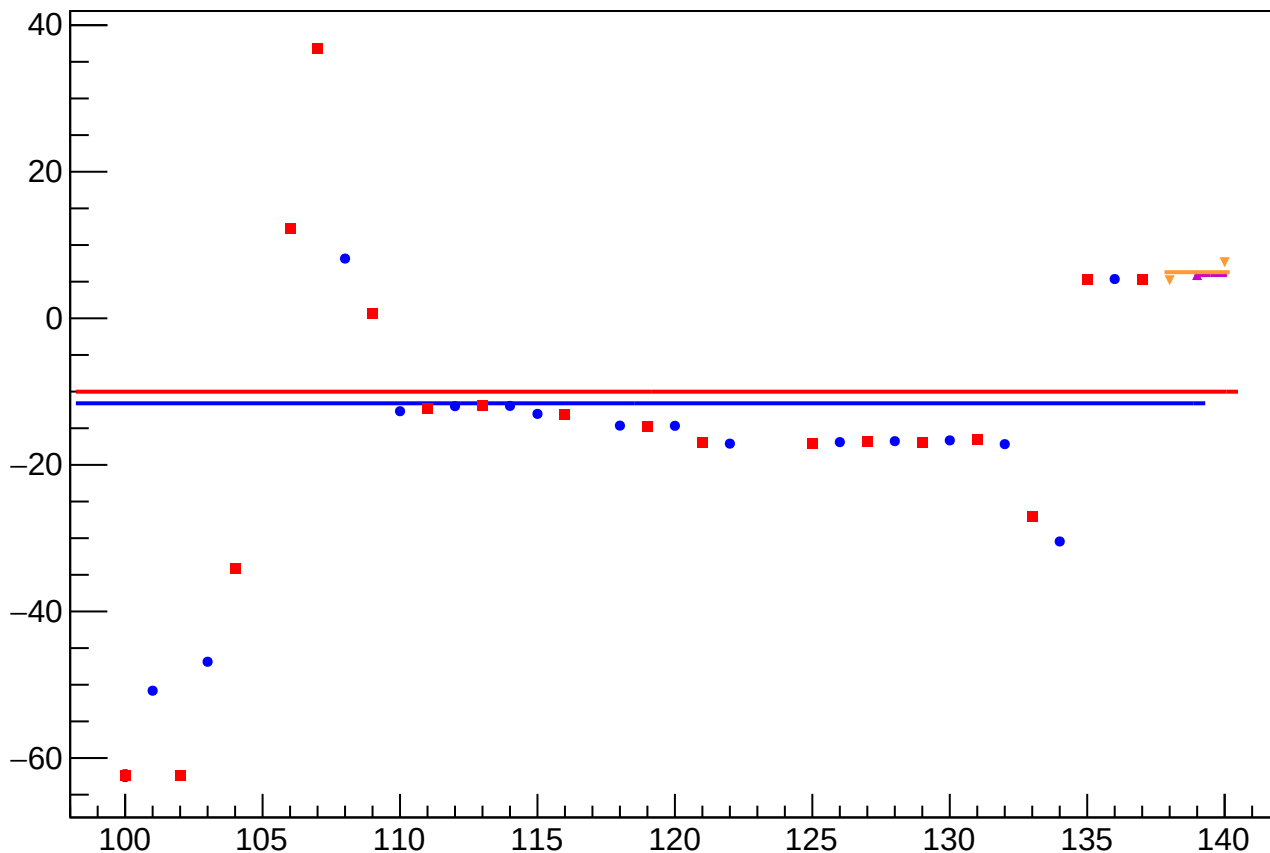
Left In: -4.557 $\pm$ 1.979 χ^2 /NDF: 0.0/0

+ sign 9.598 $\pm$ 0.376 χ^2 /NDF: 1263.0/17

All: 11.470 $\pm$ 0.278 χ^2 /NDF: 2310.1/36

- sign 13.730 $\pm$ 0.413 χ^2 /NDF: 992.4/18

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -11.596 ± 0.026 χ^2/NDF : 360523.2/15

Left Out: 6.294 ± 0.036 χ^2/NDF : 1184.1/1

Right Out: -10.012 ± 0.027 χ^2/NDF : 396286.9/17

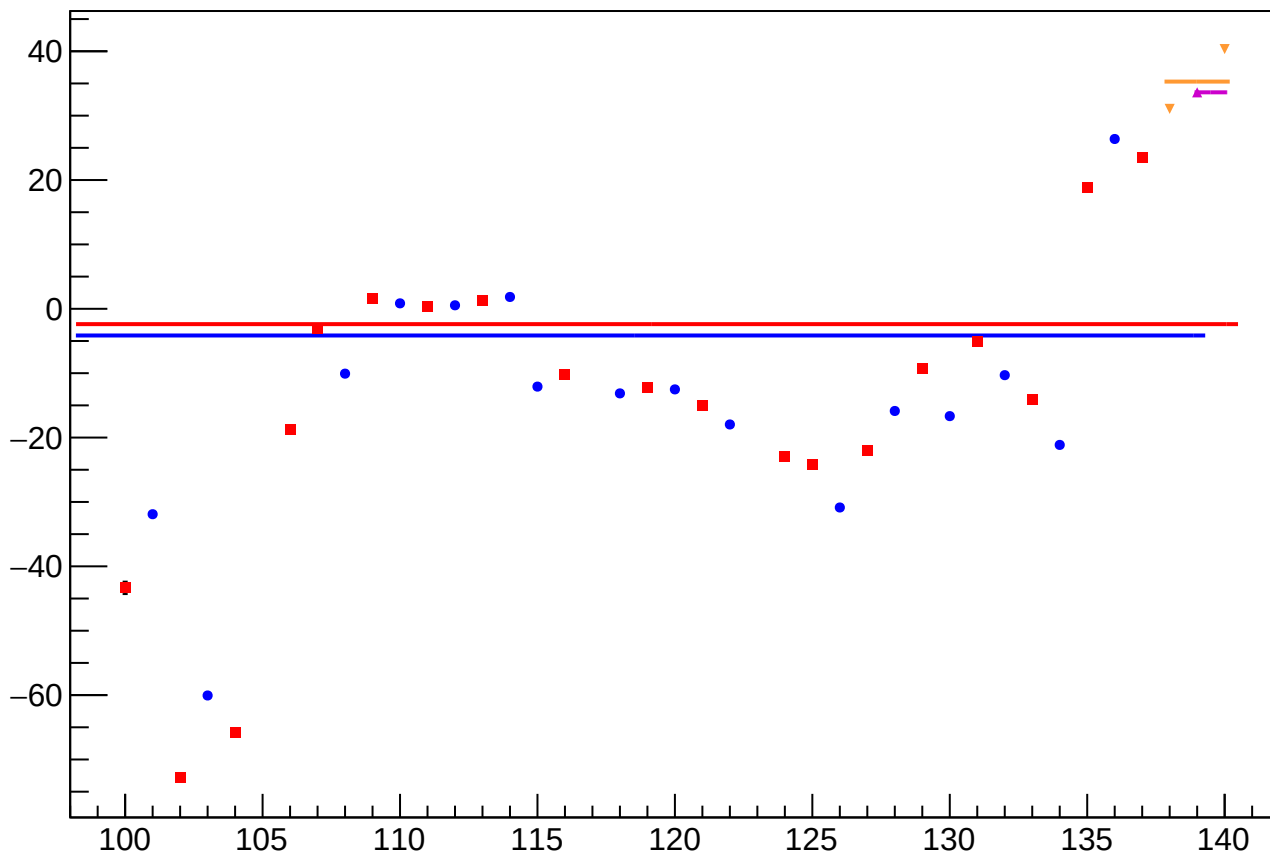
Left In: 5.915 ± 0.043 χ^2/NDF : 0.0/0

+ sign -5.275 ± 0.021 χ^2/NDF : 525067.6/17

All: -5.303 ± 0.016 χ^2/NDF : 1020212.7/36

- sign -5.336 ± 0.023 χ^2/NDF : 495141.2/18

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145 ± 0.055 χ^2/NDF : 75262.7/15

Left Out: 35.290 ± 0.149 χ^2/NDF : 964.5/1

Right Out: -2.382 ± 0.046 χ^2/NDF : 80749.3/18

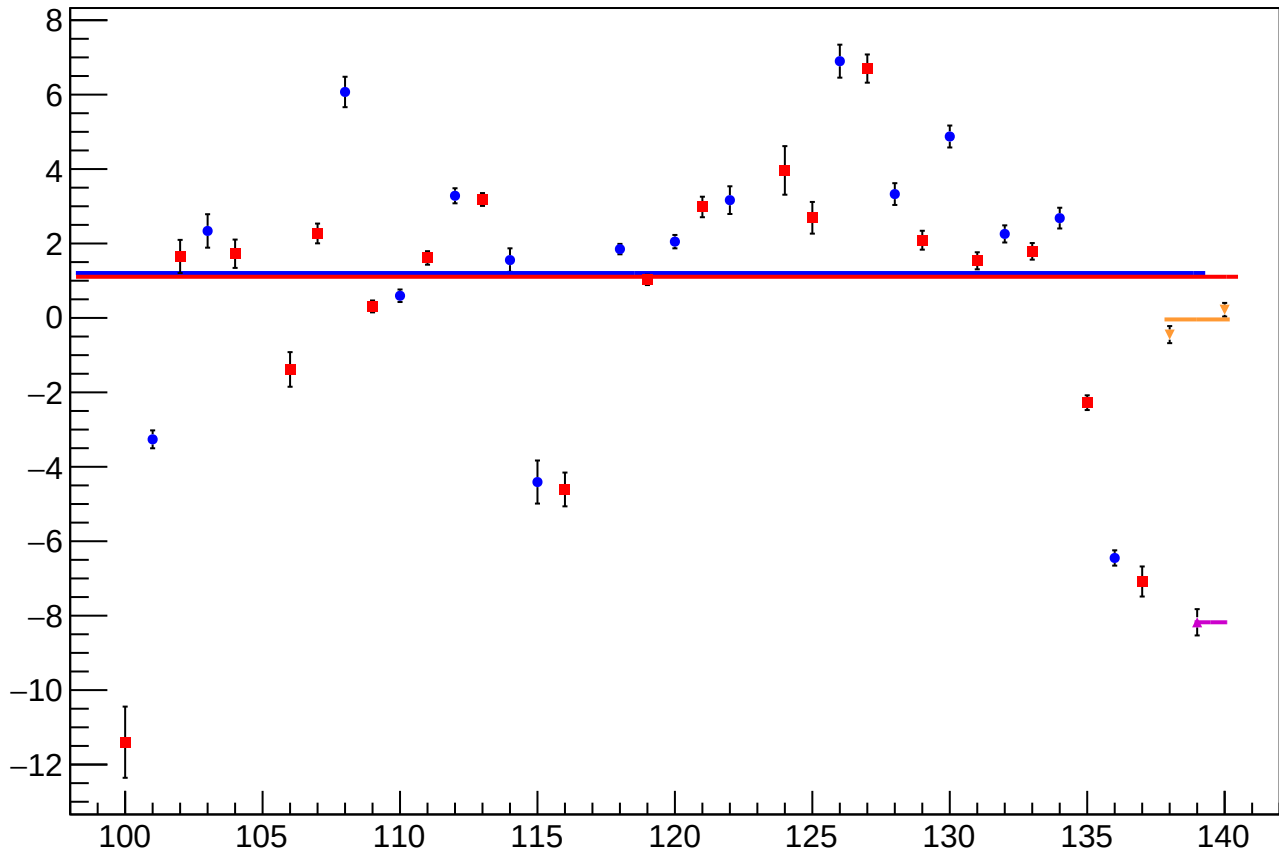
Left In: 33.621 ± 0.197 χ^2/NDF : 0.0/0

+ sign 0.539 ± 0.051 χ^2/NDF : 138008.5/17

All: -0.052 ± 0.034 χ^2/NDF : 250735.1/37

- sign -0.505 ± 0.045 χ^2/NDF : 112492.1/19

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206 $\pm$ 0.060 χ^2 /NDF: 2584.4/15

Left Out: -0.041 $\pm$ 0.143 χ^2 /NDF: 5.2/1

Right Out: 1.106 $\pm$ 0.057 χ^2 /NDF: 1587.2/18

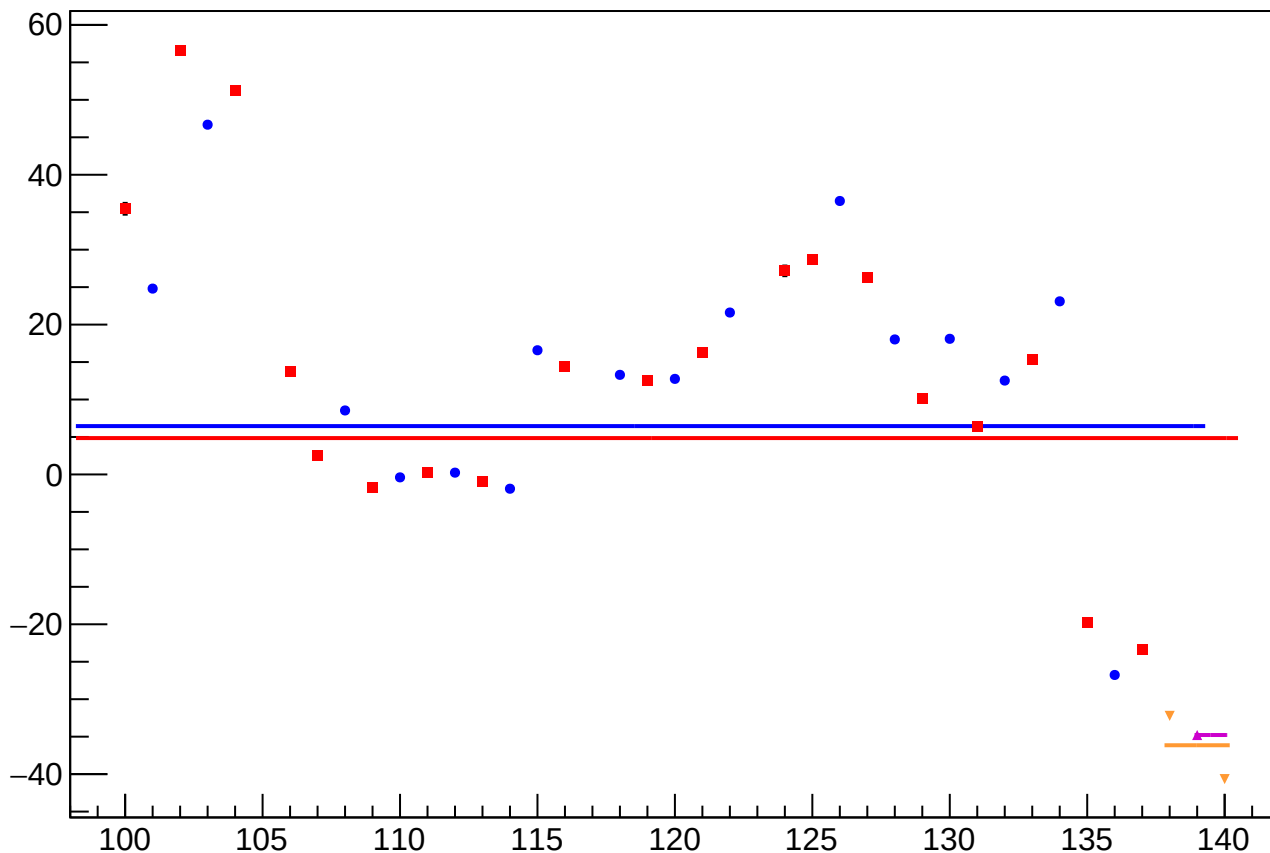
Left In: -8.178 $\pm$ 0.353 χ^2 /NDF: 0.0/0

+ sign 1.018 $\pm$ 0.056 χ^2 /NDF: 2653.9/17

All: 0.944 $\pm$ 0.040 χ^2 /NDF: 4916.9/37

- sign 0.869 $\pm$ 0.056 χ^2 /NDF: 2259.4/19

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453 $\pm$ 0.065 χ^2 /NDF: 70671.1/15

Left Out: -36.146 $\pm$ 0.155 χ^2 /NDF: 742.1/1

Right Out: 4.854 $\pm$ 0.059 χ^2 /NDF: 75267.0/18

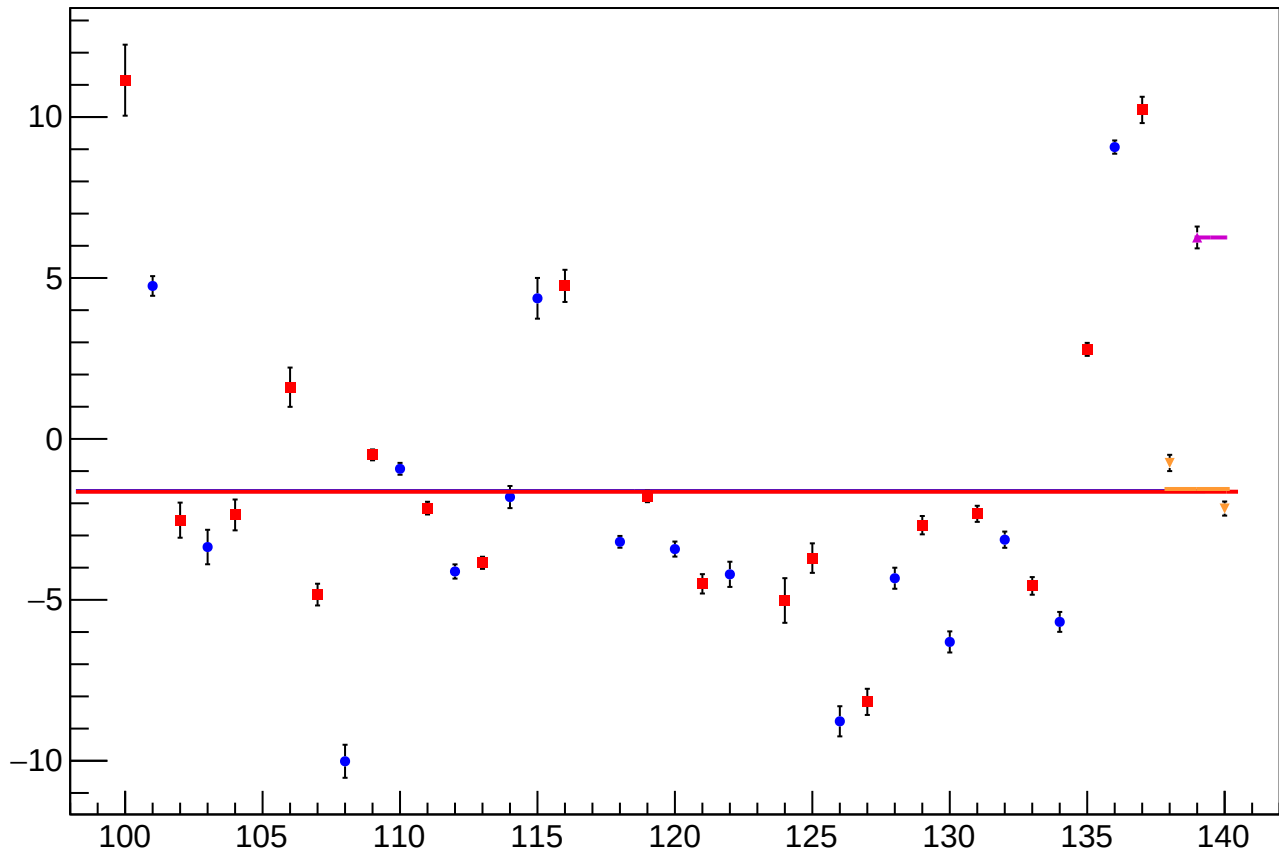
Left In: -34.779 $\pm$ 0.205 χ^2 /NDF: 0.0/0

+ sign 0.013 $\pm$ 0.060 χ^2 /NDF: 135927.8/17

All: 0.960 $\pm$ 0.041 χ^2 /NDF: 246168.9/37

- sign 1.807 $\pm$ 0.057 χ^2 /NDF: 109770.1/19

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622 ± 0.070 χ^2/NDF : 4525.3/15

Left Out: -1.556 ± 0.166 χ^2/NDF : 17.9/1

Right Out: -1.640 ± 0.065 χ^2/NDF : 2462.1/18

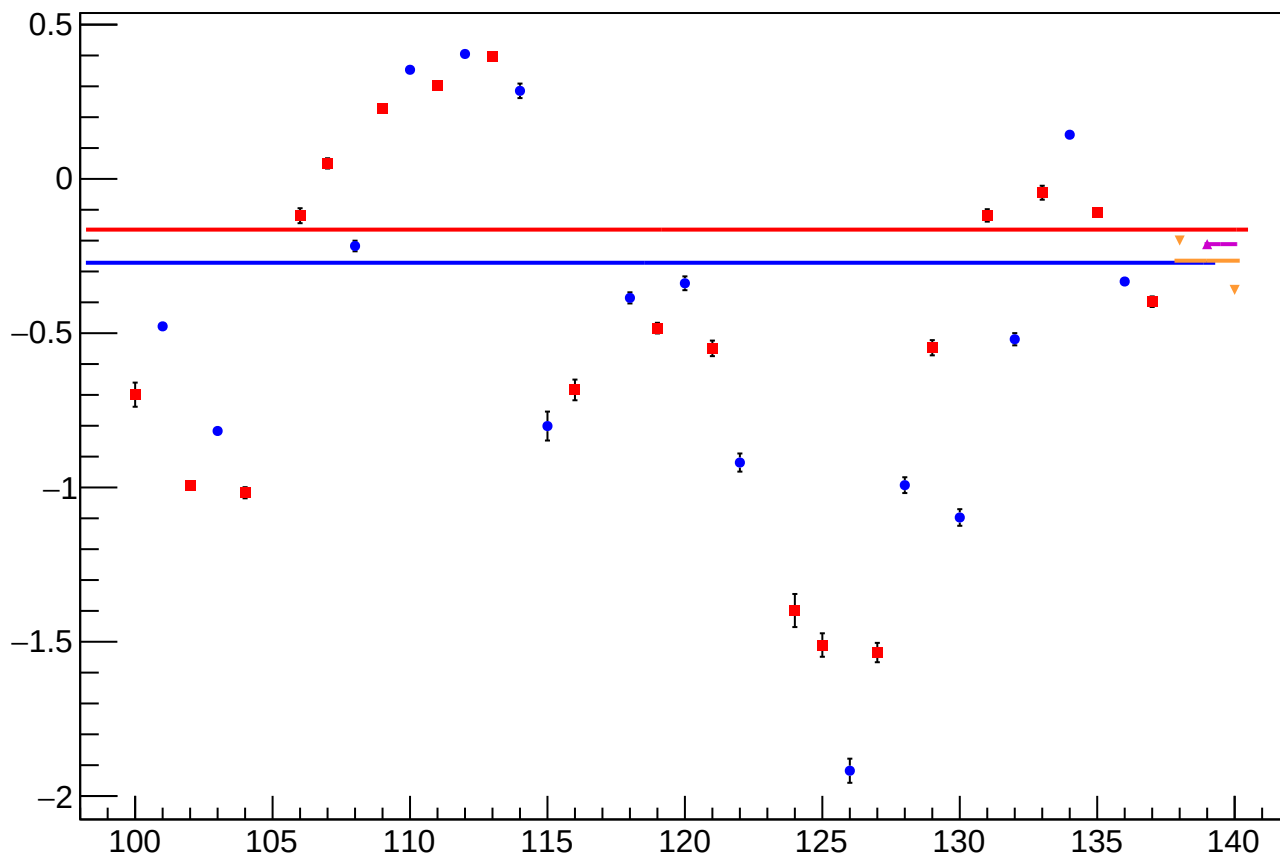
Left In: 6.259 ± 0.339 χ^2/NDF : 0.0/0

+ sign -1.612 ± 0.064 χ^2/NDF : 4543.3/17

All: -1.486 ± 0.045 χ^2/NDF : 7536.4/37

- sign -1.364 ± 0.063 χ^2/NDF : 2985.5/19

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 $\chi^2/\text{NDF}: 12048.2/15$

Left Out: -0.265 ± 0.006 $\chi^2/\text{NDF}: 156.2/1$

Right Out: -0.164 ± 0.004 $\chi^2/\text{NDF}: 15497.0/18$

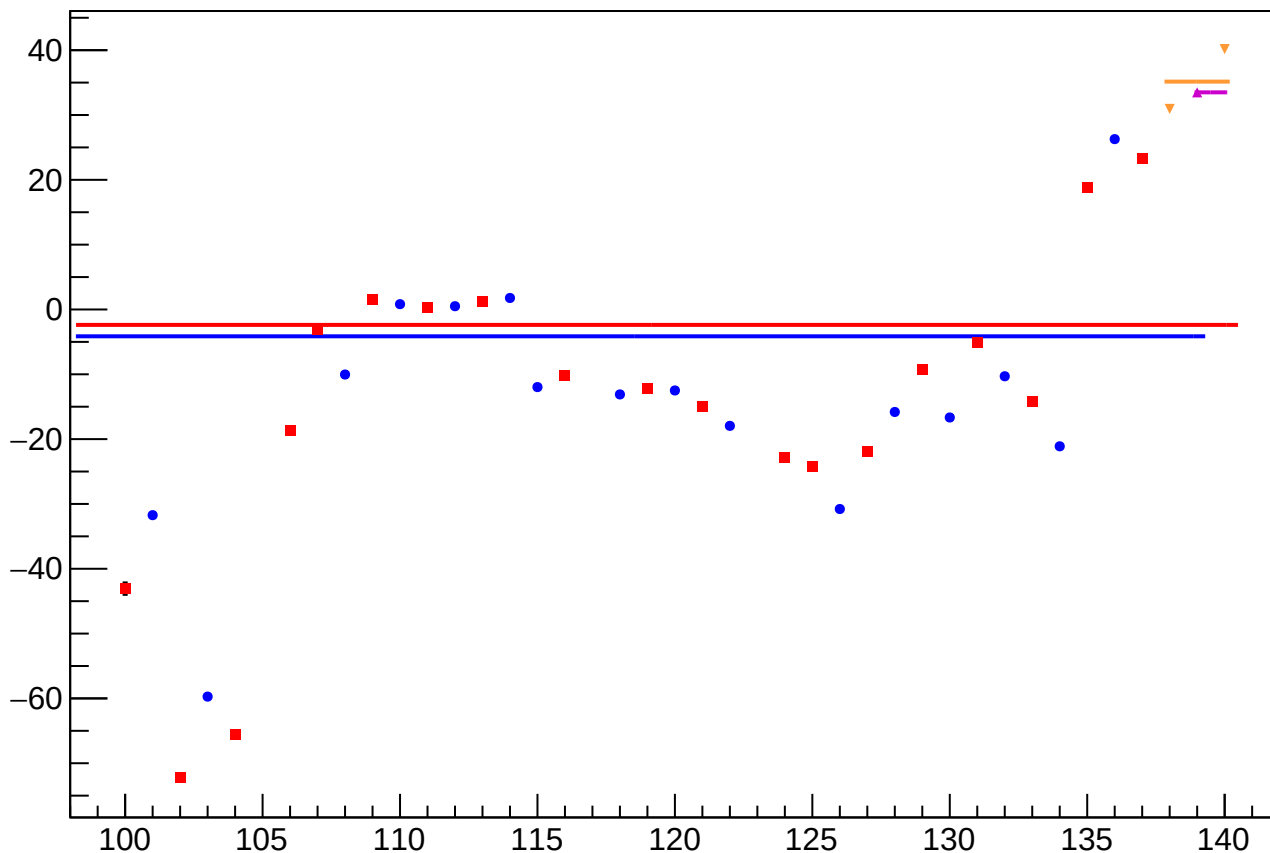
Left In: -0.211 ± 0.007 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.270 ± 0.003 $\chi^2/\text{NDF}: 12205.2/17$

All: -0.221 ± 0.002 $\chi^2/\text{NDF}: 28123.9/37$

- sign -0.174 ± 0.003 $\chi^2/\text{NDF}: 15529.8/19$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139 ± 0.054 χ^2/NDF : 75240.1/15

Left Out: 35.153 ± 0.148 χ^2/NDF : 959.1/1

Right Out: -2.380 ± 0.046 χ^2/NDF : 80668.5/18

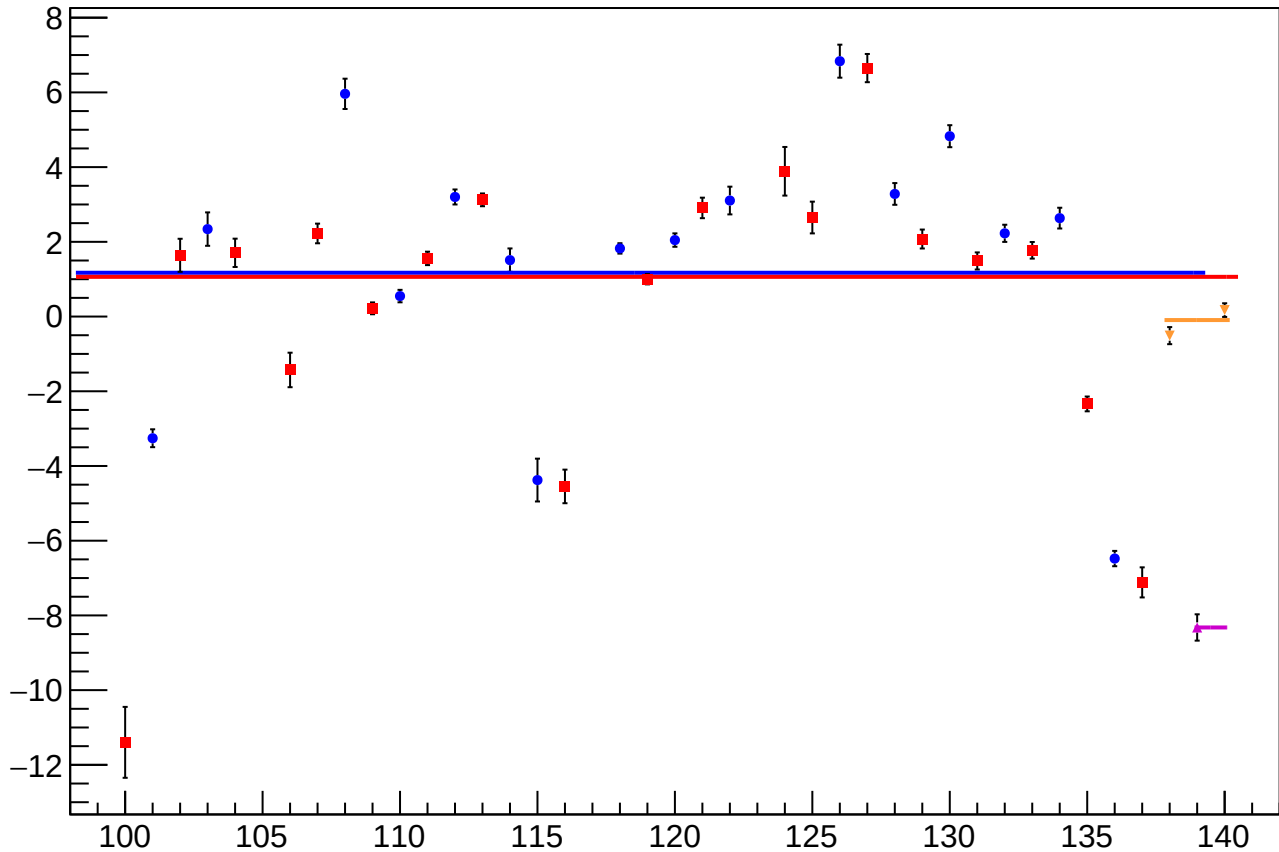
Left In: 33.496 ± 0.196 χ^2/NDF : 0.0/0

+ sign 0.503 ± 0.051 χ^2/NDF : 137956.8/17

All: -0.078 ± 0.034 χ^2/NDF : 250574.3/37

- sign -0.522 ± 0.045 χ^2/NDF : 112388.8/19

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172 ± 0.060 χ^2/NDF : 2584.5/15

Left Out: -0.094 ± 0.143 χ^2/NDF : 5.5/1

Right Out: 1.063 ± 0.057 χ^2/NDF : 1596.5/18

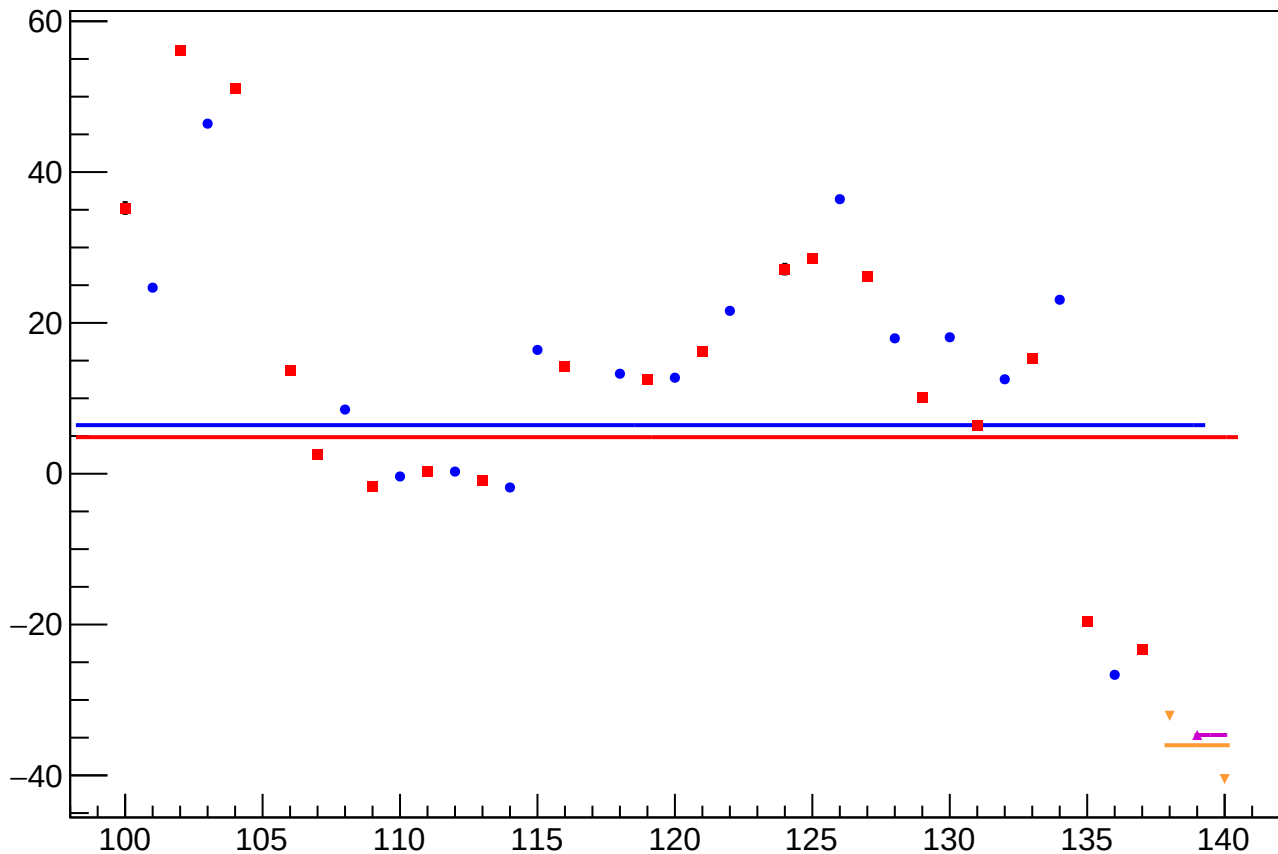
Left In: -8.323 ± 0.352 χ^2/NDF : 0.0/0

+ sign 0.982 ± 0.055 χ^2/NDF : 2656.8/17

All: 0.904 ± 0.039 χ^2/NDF : 4948.5/37

- sign 0.824 ± 0.056 χ^2/NDF : 2287.8/19

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442 $\pm$ 0.065 χ^2 /NDF: 70630.3/15

Left Out: -36.005 $\pm$ 0.154 χ^2 /NDF: 738.0/1

Right Out: 4.848 $\pm$ 0.059 χ^2 /NDF: 75159.9/18

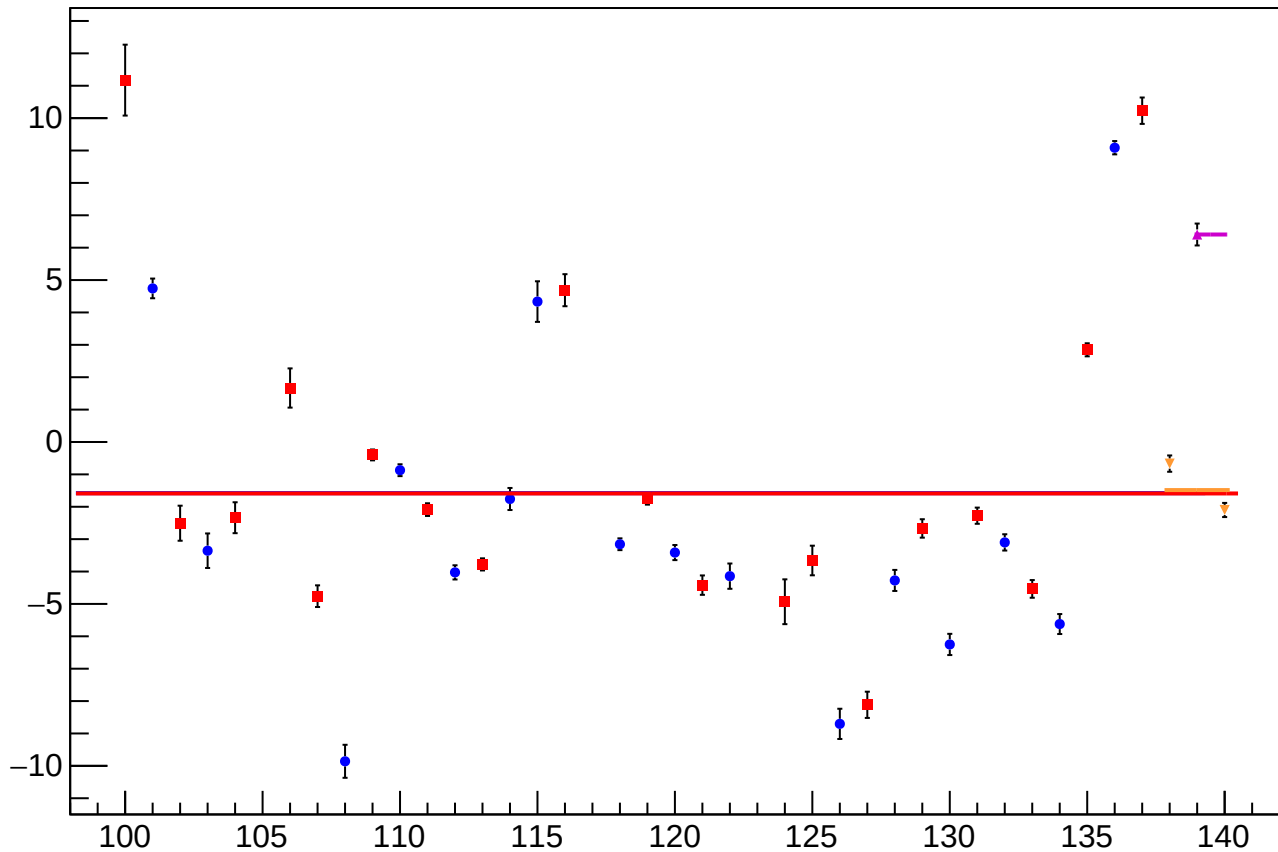
Left In: -34.647 $\pm$ 0.204 χ^2 /NDF: 0.0/0

+ sign 0.051 $\pm$ 0.060 χ^2 /NDF: 135866.7/17

All: 0.989 $\pm$ 0.041 χ^2 /NDF: 245976.6/37

- sign 1.827 $\pm$ 0.057 χ^2 /NDF: 109643.7/19

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580 ± 0.069 $\chi^2/\text{NDF}: 4524.3/15$

Left Out: -1.485 ± 0.165 $\chi^2/\text{NDF}: 18.4/1$

Right Out: -1.589 ± 0.064 $\chi^2/\text{NDF}: 2472.2/18$

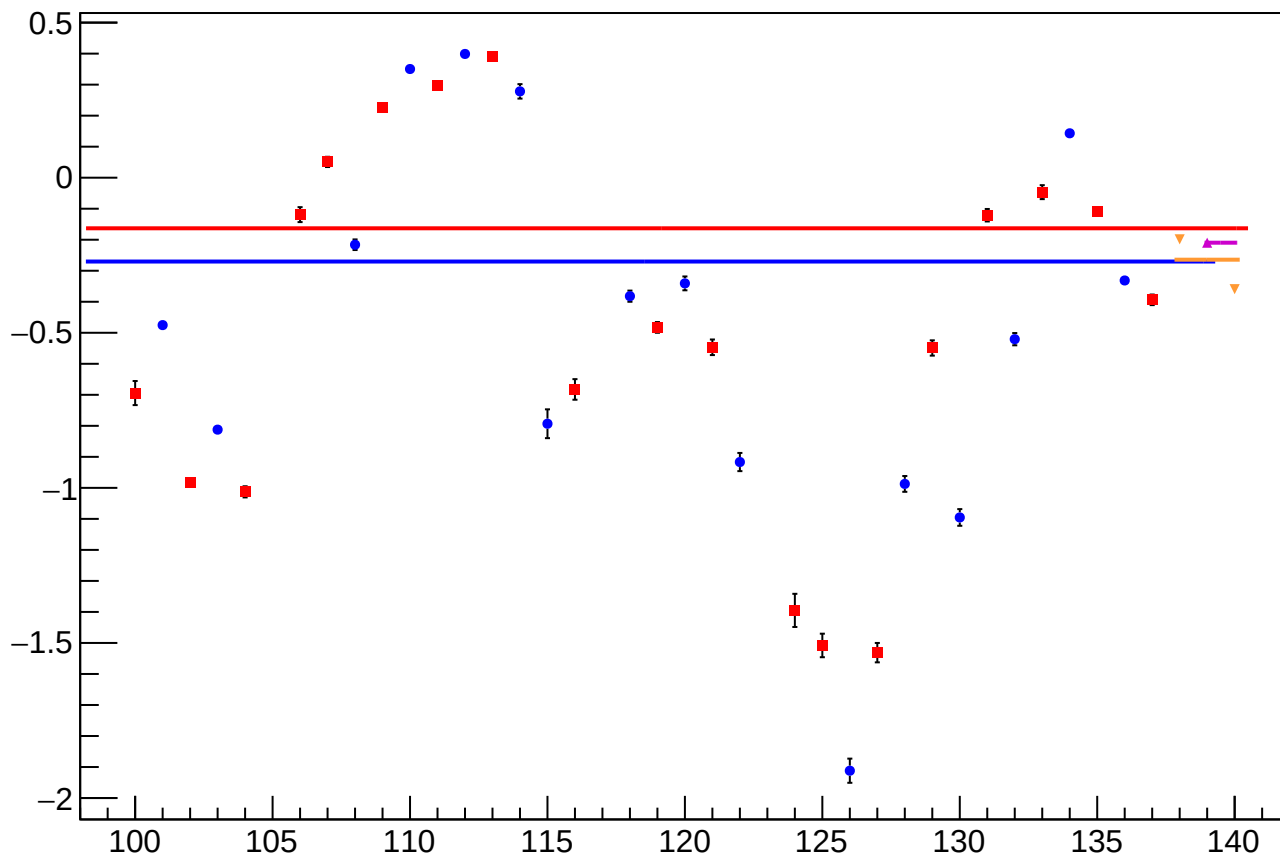
Left In: 6.406 ± 0.338 $\chi^2/\text{NDF}: 0.0/0$

+ sign -1.566 ± 0.064 $\chi^2/\text{NDF}: 4543.0/17$

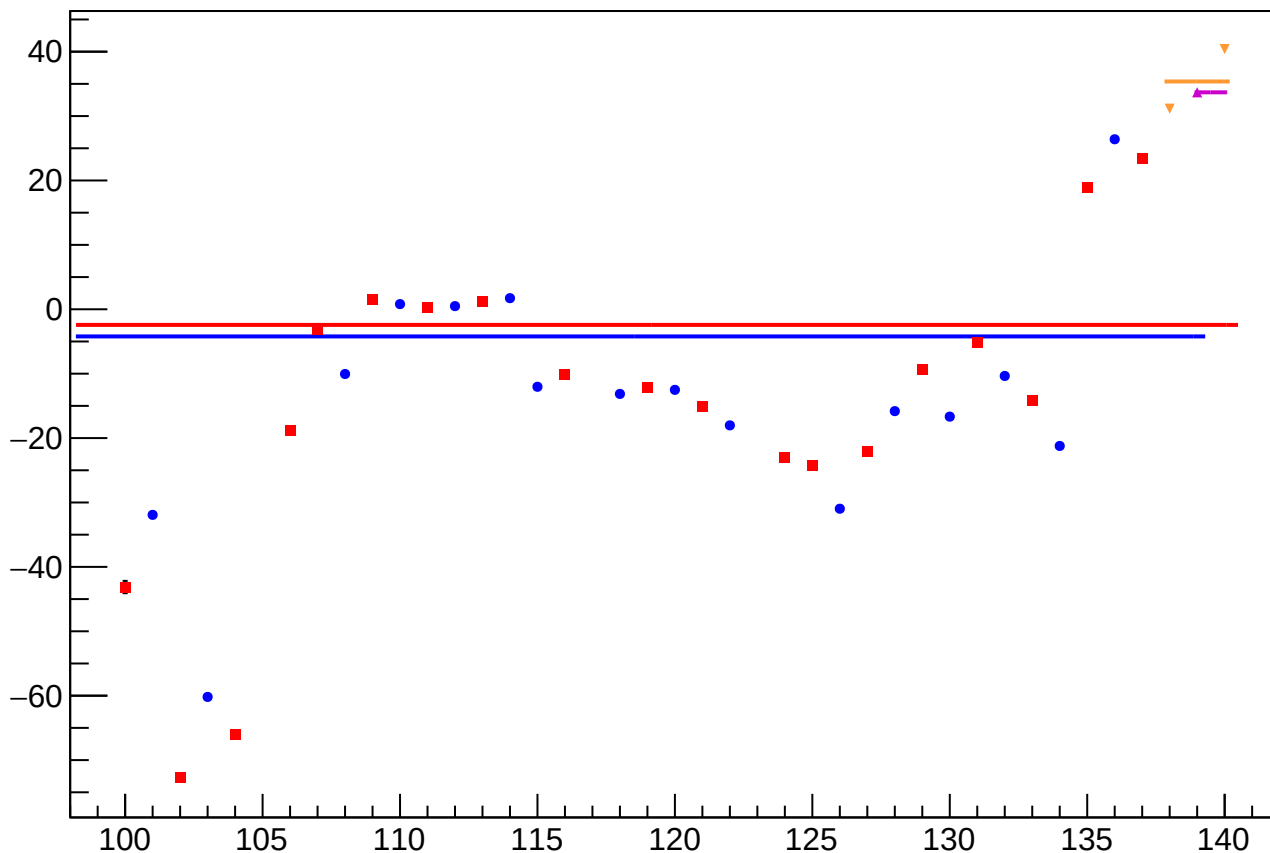
All: -1.437 ± 0.045 $\chi^2/\text{NDF}: 7562.8/37$

- sign -1.311 ± 0.063 $\chi^2/\text{NDF}: 3011.8/19$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214 ± 0.055 χ^2/NDF : 75215.4/15

Left Out: 35.370 ± 0.149 χ^2/NDF : 954.3/1

Right Out: -2.427 ± 0.046 χ^2/NDF : 80724.5/18

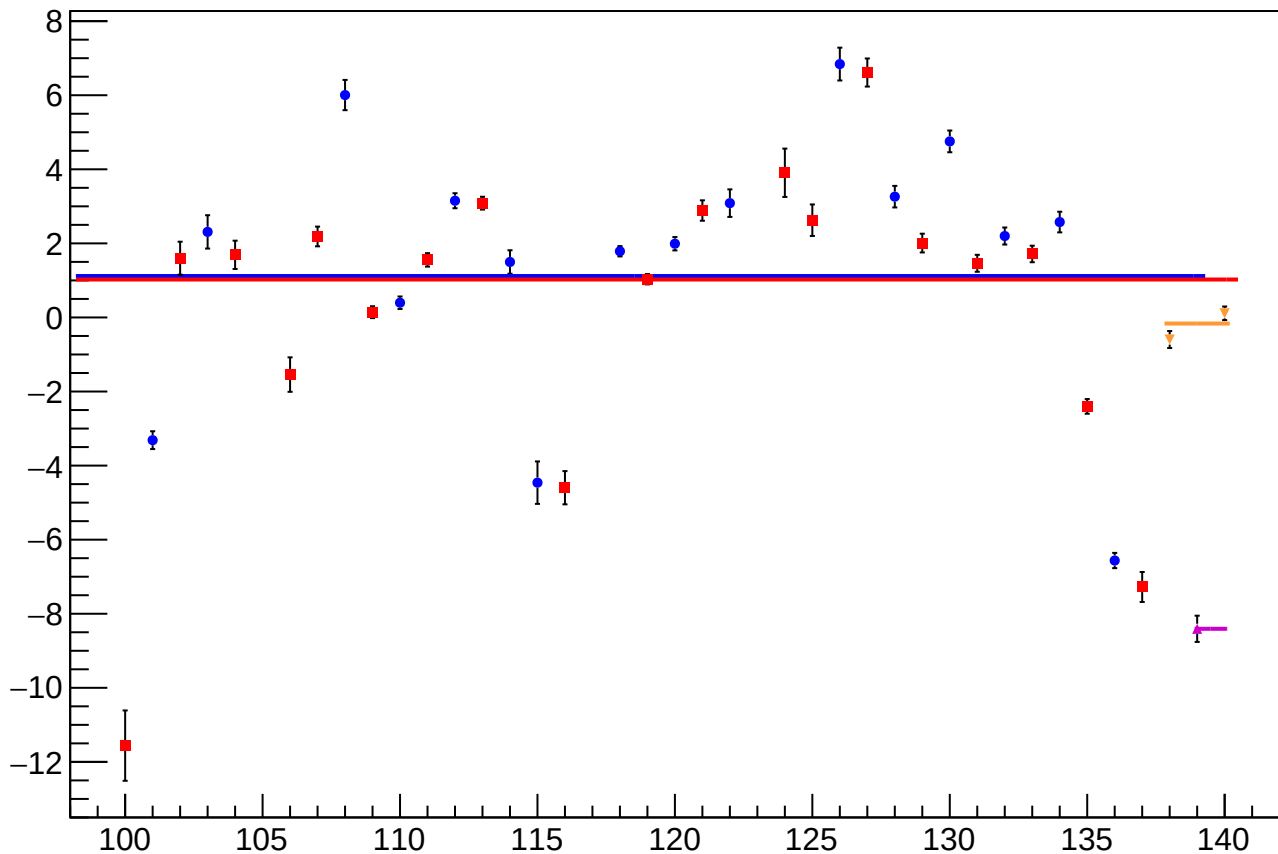
Left In: 33.687 ± 0.197 χ^2/NDF : 0.0/0

+ sign 0.476 ± 0.051 χ^2/NDF : 138198.6/17

All: -0.104 ± 0.034 χ^2/NDF : 250983.5/37

- sign -0.547 ± 0.045 χ^2/NDF : 112560.2/19

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118 $\pm$ 0.060 χ^2 /NDF: 2591.7/15

Left Out: -0.164 $\pm$ 0.143 χ^2 /NDF: 5.8/1

Right Out: 1.025 $\pm$ 0.057 χ^2 /NDF: 1612.0/18

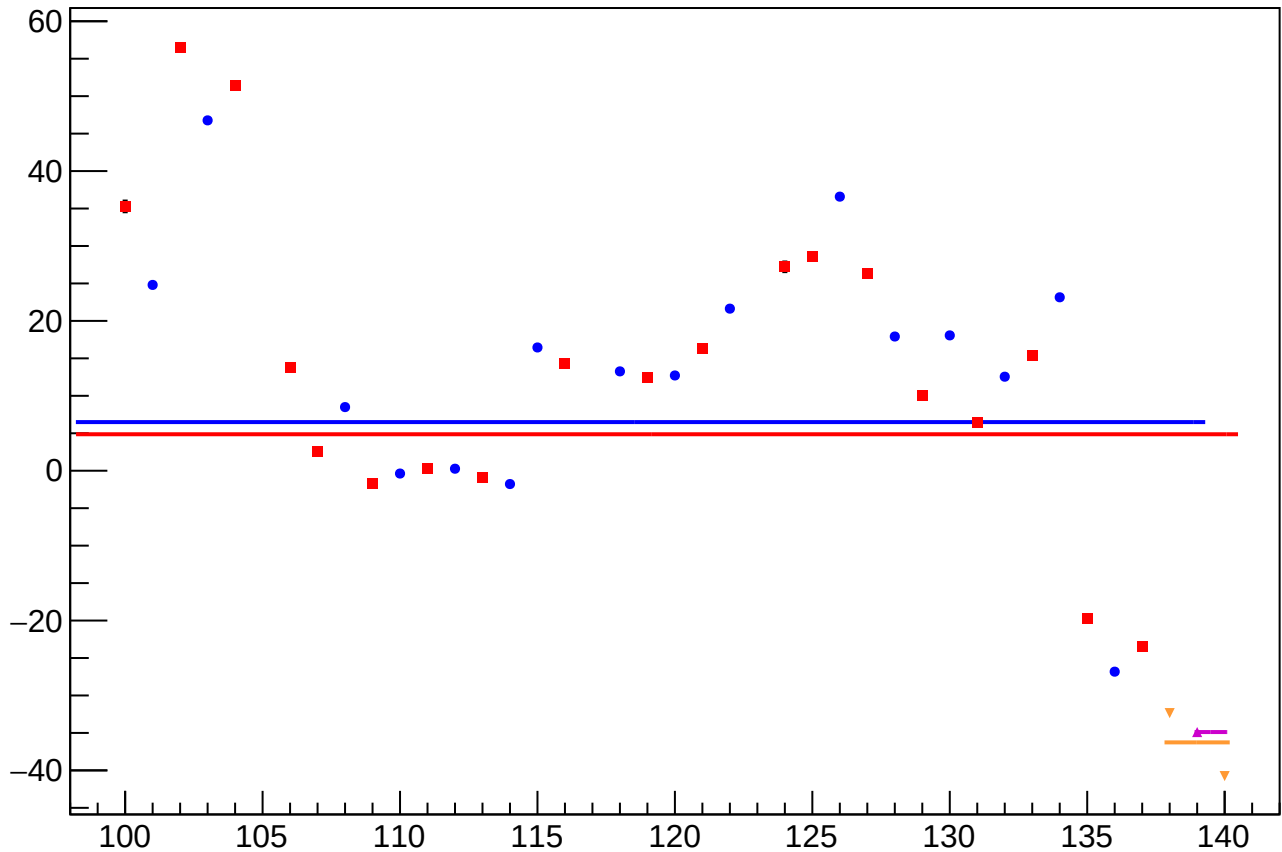
Left In: -8.407 $\pm$ 0.354 χ^2 /NDF: 0.0/0

+ sign 0.925 $\pm$ 0.056 χ^2 /NDF: 2665.3/17

All: 0.856 $\pm$ 0.040 χ^2 /NDF: 4972.1/37

- sign 0.784 $\pm$ 0.057 χ^2 /NDF: 2303.7/19

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492 ± 0.065 χ^2/NDF : 70623.9/15

Left Out: -36.263 ± 0.155 χ^2/NDF : 733.6/1

Right Out: 4.869 ± 0.059 χ^2/NDF : 75265.6/18

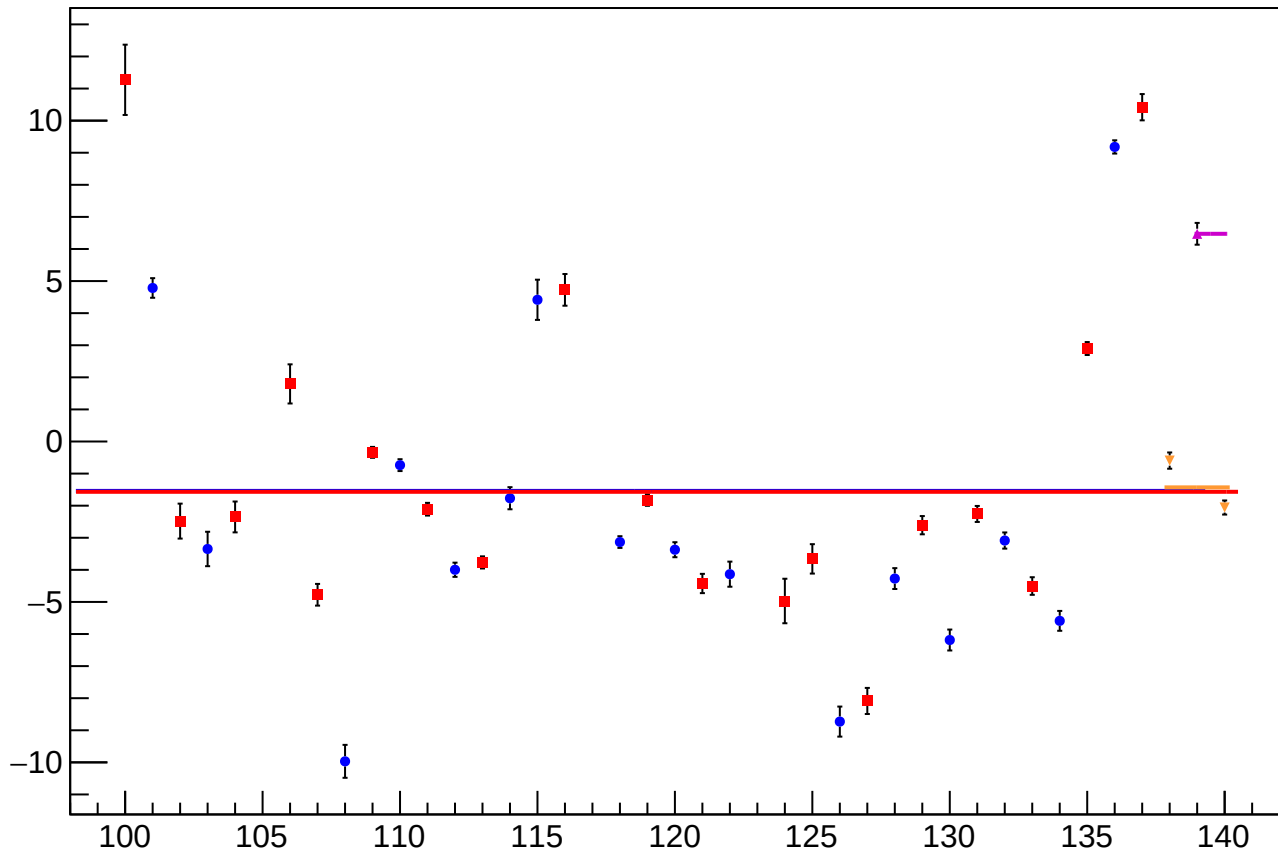
Left In: -34.883 ± 0.205 χ^2/NDF : 0.0/0

+ sign 0.047 ± 0.060 χ^2/NDF : 136125.0/17

All: 0.982 ± 0.041 χ^2/NDF : 246448.4/37

- sign 1.819 ± 0.057 χ^2/NDF : 109865.3/19

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540 ± 0.070 χ^2/NDF : 4535.9/15

Left Out: -1.430 ± 0.166 χ^2/NDF : 19.0/1

Right Out: -1.567 ± 0.065 χ^2/NDF : 2497.0/18

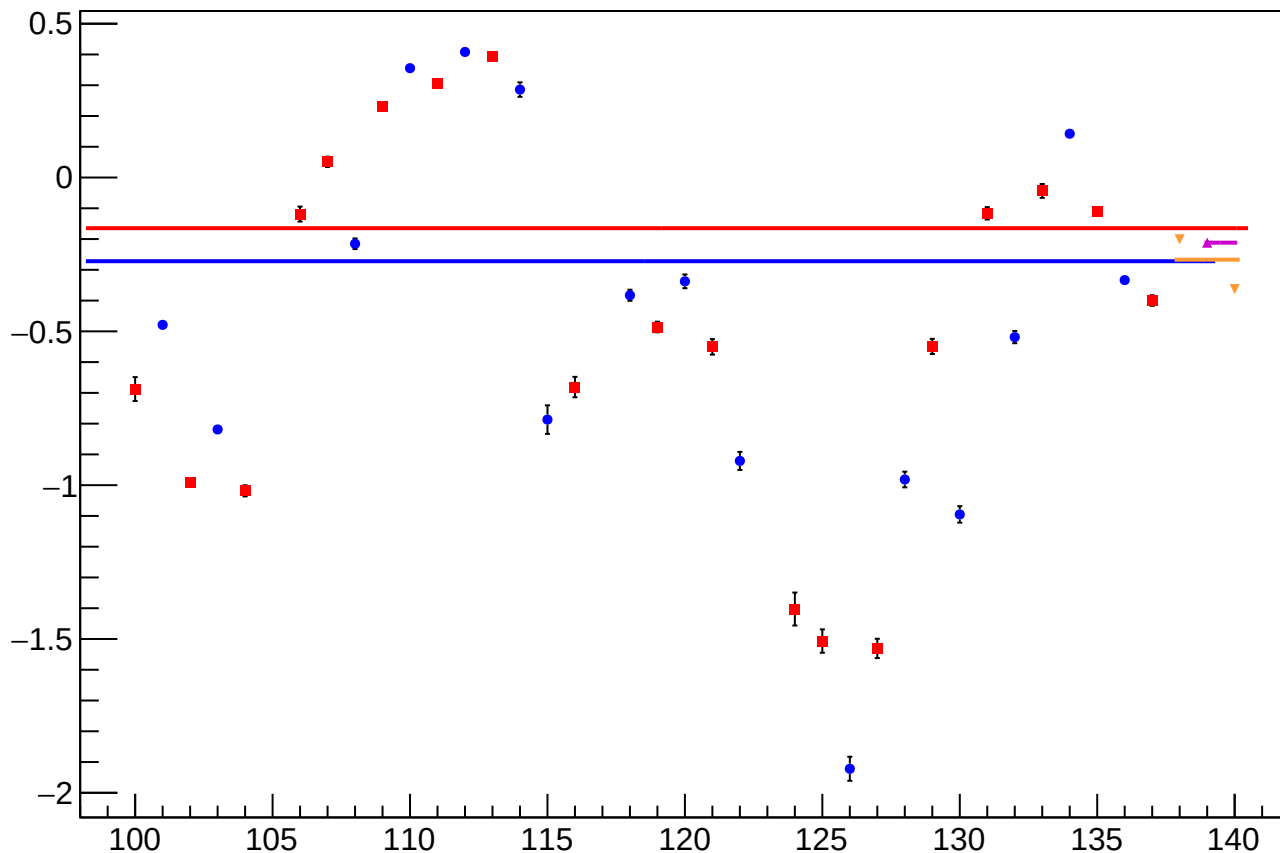
Left In: 6.473 ± 0.340 χ^2/NDF : 0.0/0

+ sign -1.523 ± 0.064 χ^2/NDF : 4555.3/17

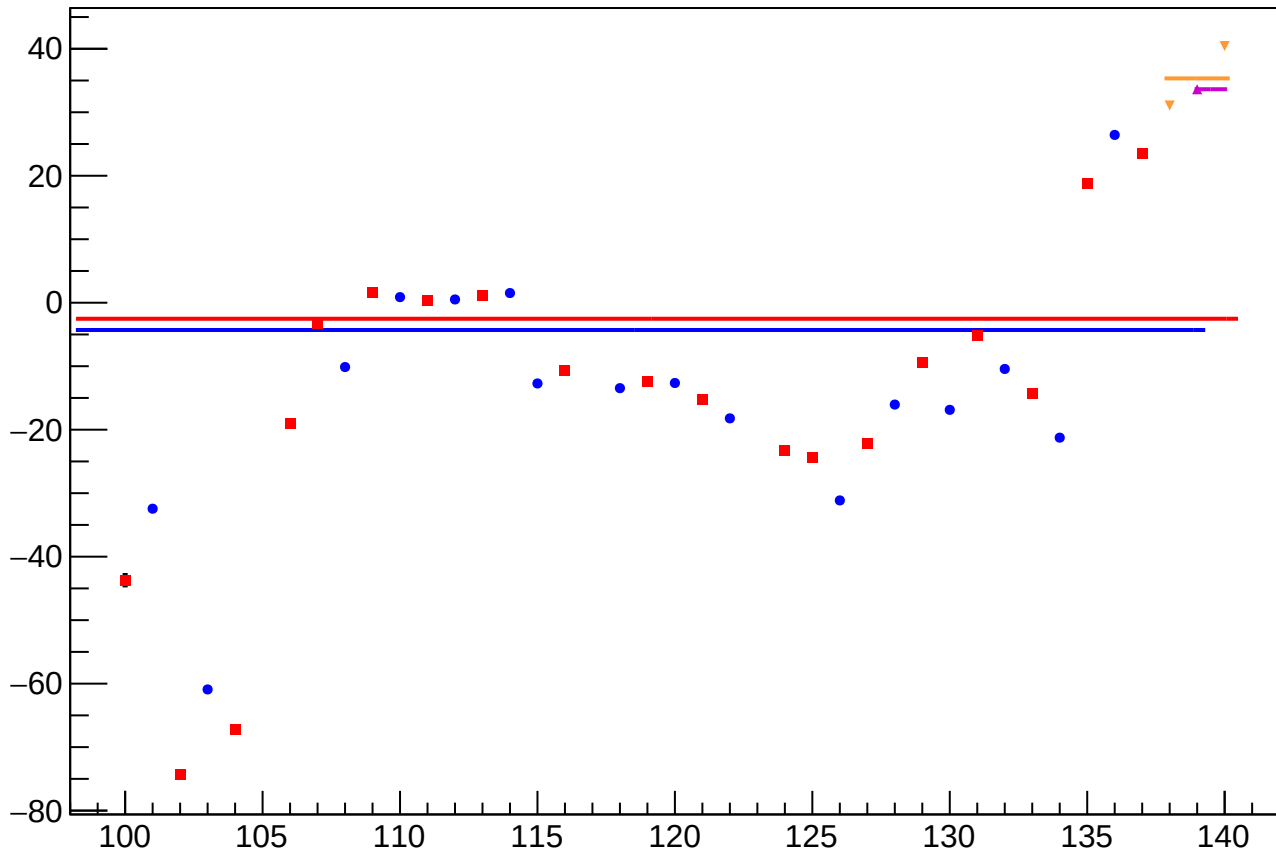
All: -1.404 ± 0.045 χ^2/NDF : 7599.8/37

- sign -1.287 ± 0.063 χ^2/NDF : 3037.6/19

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296 ± 0.056 χ^2/NDF : 74218.3/15

Left Out: 35.332 ± 0.151 χ^2/NDF : 960.3/1

Right Out: -2.524 ± 0.047 χ^2/NDF : 79883.8/18

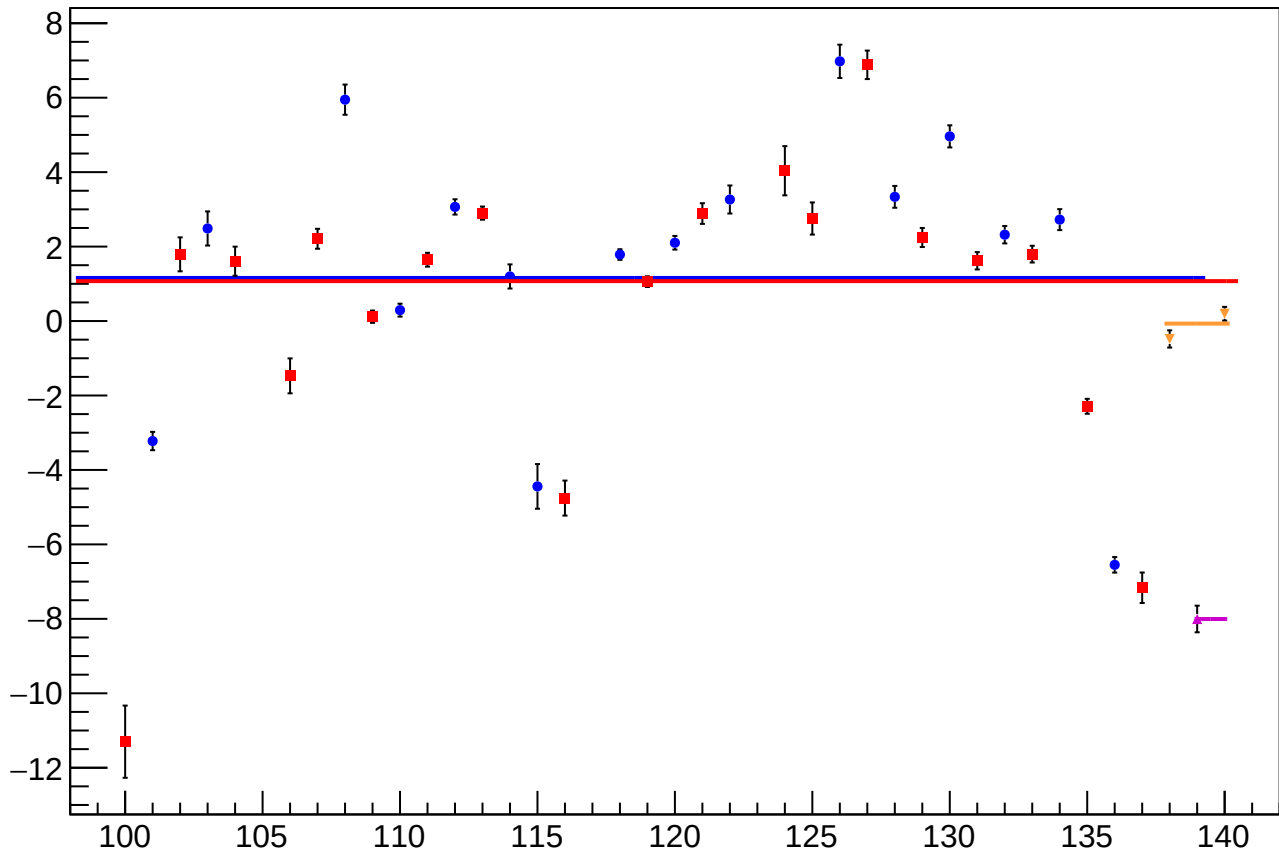
Left In: 33.627 ± 0.199 χ^2/NDF : 0.0/0

+ sign 0.483 ± 0.052 χ^2/NDF : 136139.6/17

All: -0.126 ± 0.035 χ^2/NDF : 247504.4/37

- sign -0.597 ± 0.046 χ^2/NDF : 111124.2/19

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158 $\pm$ 0.062 χ^2 /NDF: 2549.9/15

Left Out: -0.069 $\pm$ 0.145 χ^2 /NDF: 5.2/1

Right Out: 1.072 $\pm$ 0.058 χ^2 /NDF: 1551.4/18

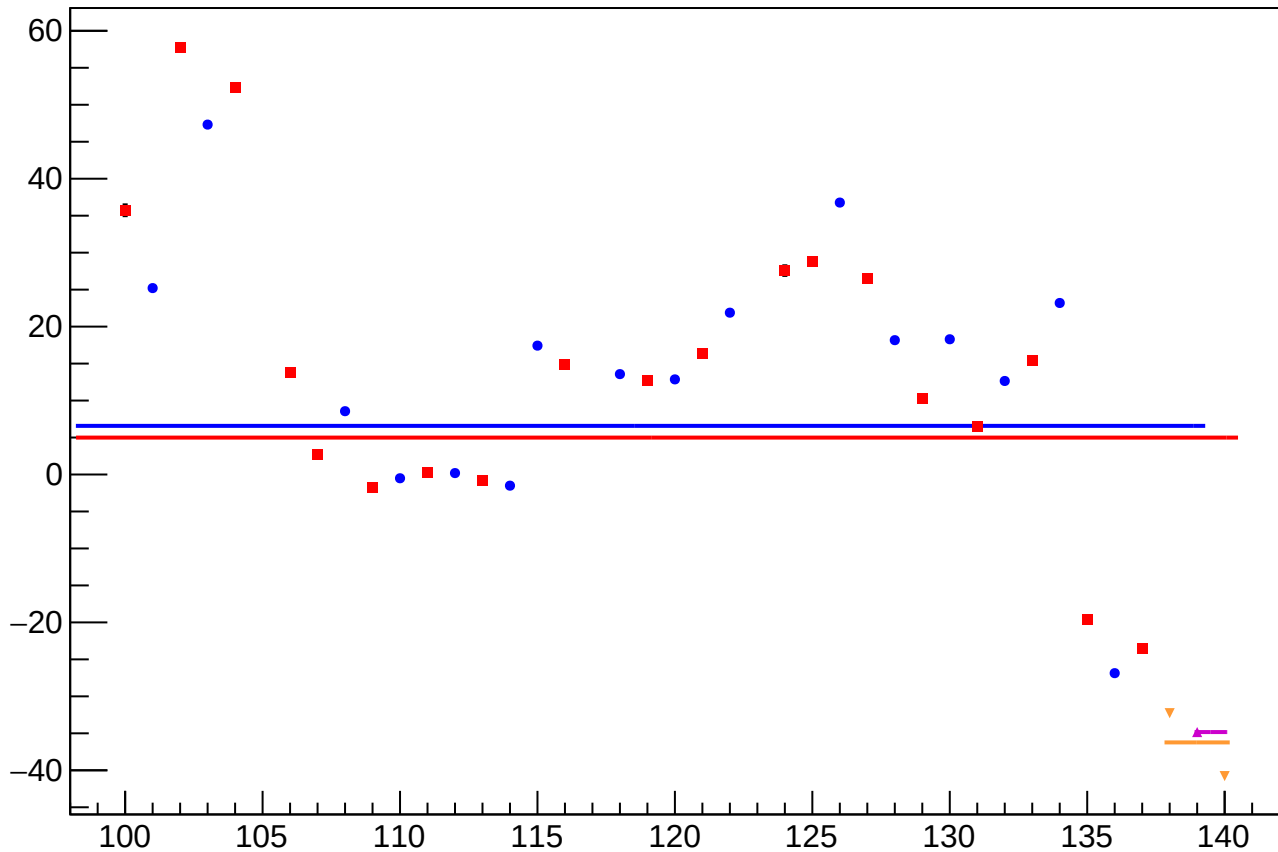
Left In: -8.004 $\pm$ 0.358 χ^2 /NDF: 0.0/0

+ sign 0.970 $\pm$ 0.057 χ^2 /NDF: 2616.0/17

All: 0.904 $\pm$ 0.040 χ^2 /NDF: 4797.7/37

- sign 0.837 $\pm$ 0.058 χ^2 /NDF: 2179.0/19

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578 ± 0.066 χ^2/NDF : 69731.5/15

Left Out: -36.229 ± 0.156 χ^2/NDF : 738.6/1

Right Out: 4.992 ± 0.060 χ^2/NDF : 74461.3/18

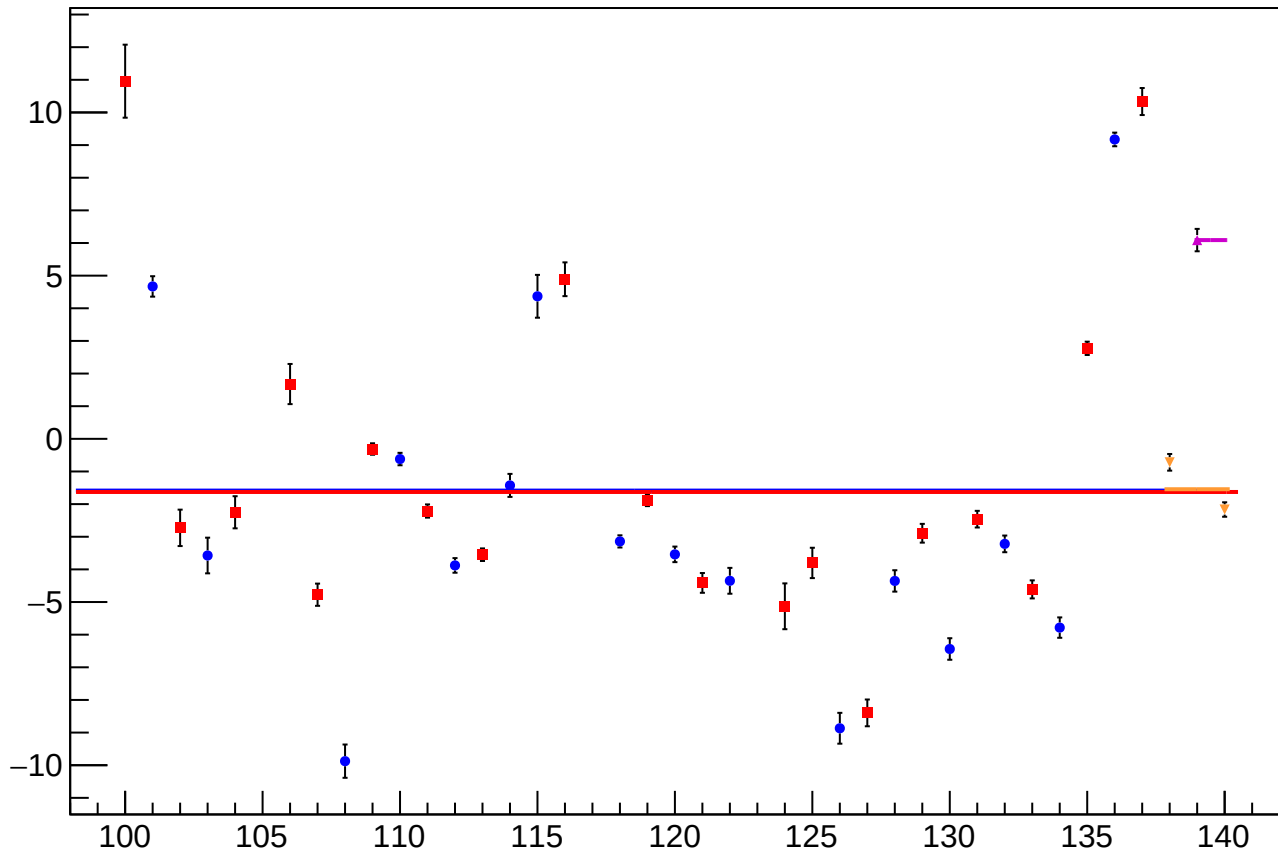
Left In: -34.829 ± 0.207 χ^2/NDF : 0.0/0

+ sign 0.024 ± 0.061 χ^2/NDF : 134111.9/17

All: 0.998 ± 0.042 χ^2/NDF : 243045.2/37

- sign 1.876 ± 0.058 χ^2/NDF : 108450.2/19

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586 ± 0.071 χ^2/NDF : 4472.6/15

Left Out: -1.544 ± 0.167 χ^2/NDF : 18.3/1

Right Out: -1.628 ± 0.066 χ^2/NDF : 2422.3/18

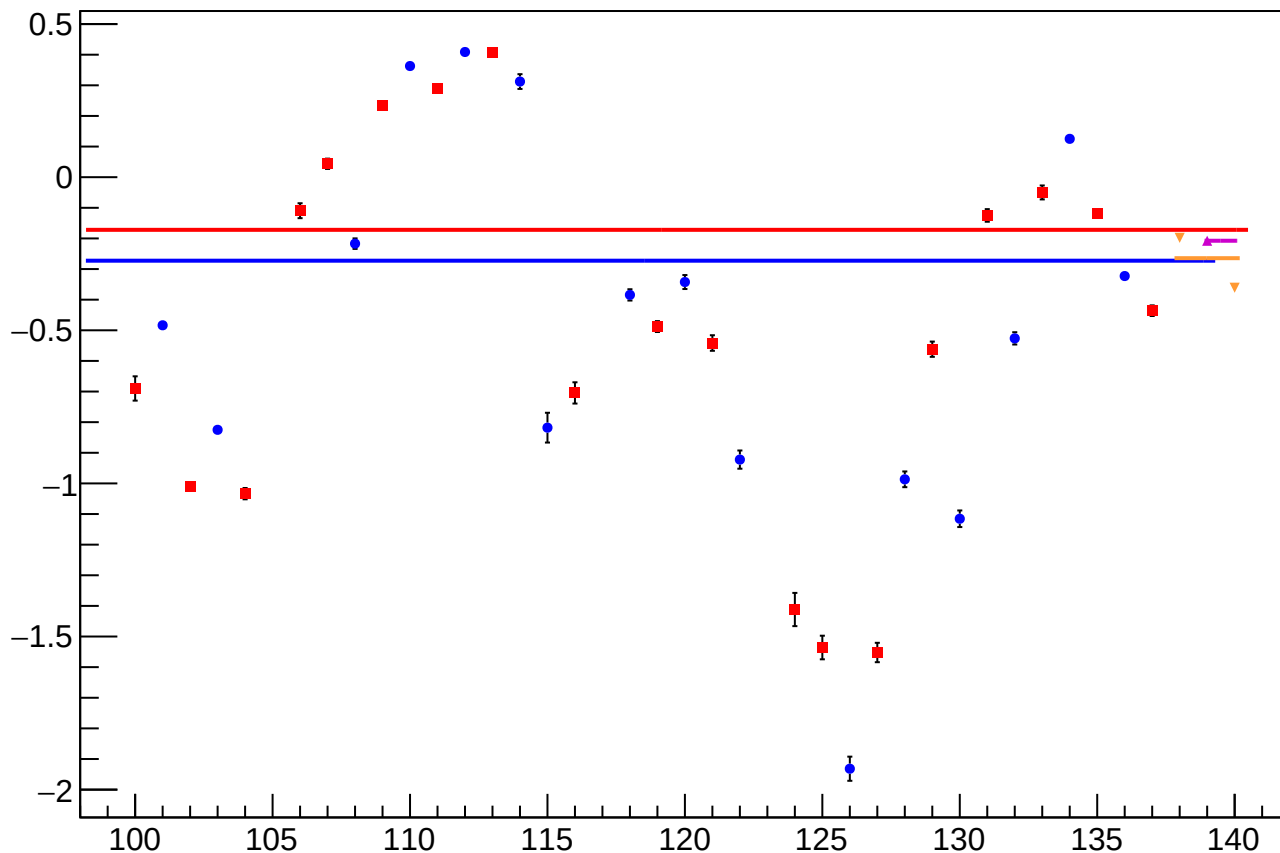
Left In: 6.089 ± 0.343 χ^2/NDF : 0.0/0

+ sign -1.580 ± 0.065 χ^2/NDF : 4491.0/17

All: -1.466 ± 0.046 χ^2/NDF : 7407.3/37

- sign -1.354 ± 0.065 χ^2/NDF : 2910.2/19

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273 ± 0.004 χ^2/NDF : 11856.3/15

Left Out: -0.265 ± 0.006 χ^2/NDF : 158.8/1

Right Out: -0.172 ± 0.004 χ^2/NDF : 15322.3/18

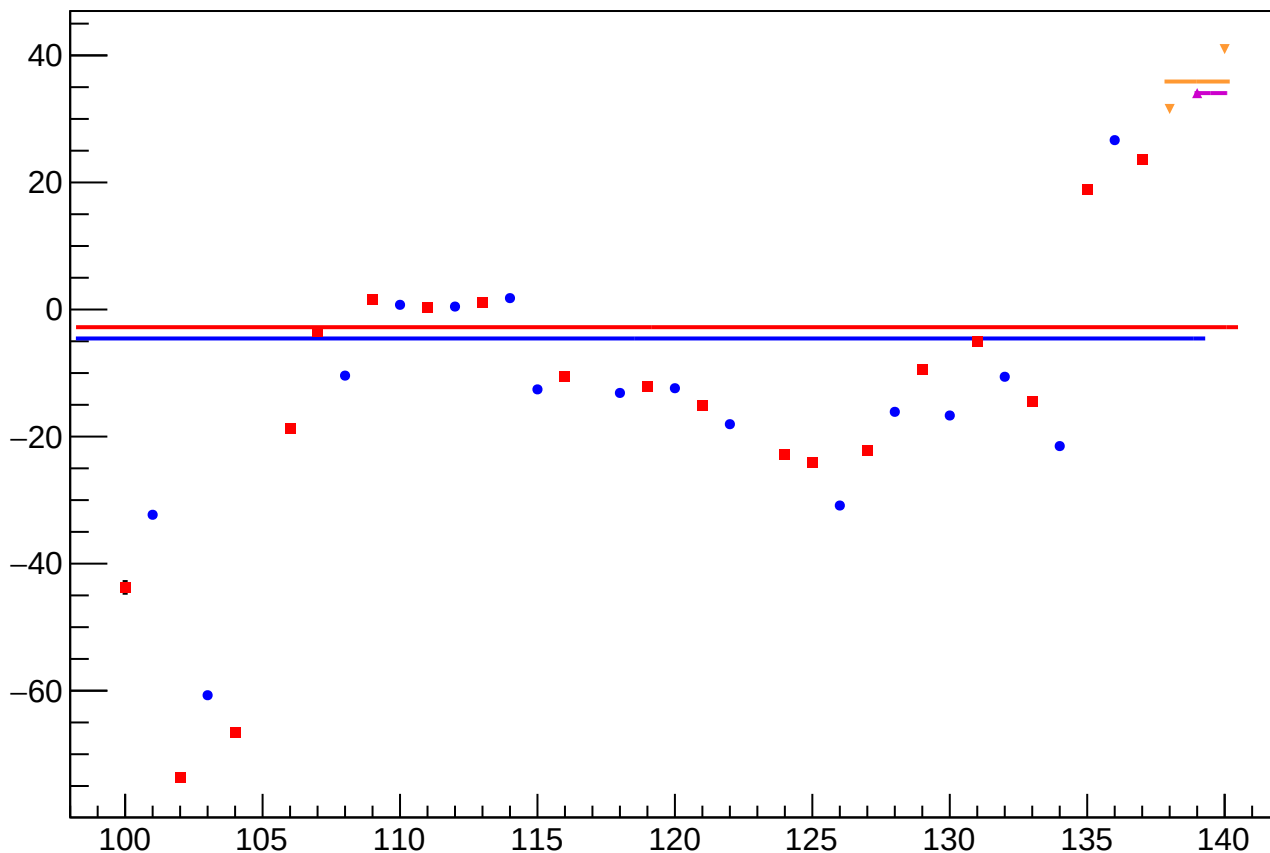
Left In: -0.208 ± 0.007 χ^2/NDF : 0.0/0

+ sign -0.270 ± 0.004 χ^2/NDF : 12016.2/17

All: -0.224 ± 0.002 χ^2/NDF : 27697.3/37

- sign -0.180 ± 0.003 χ^2/NDF : 15340.7/19

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557 ± 0.057 χ^2/NDF : 72635.2/15

Left Out: 35.888 ± 0.154 χ^2/NDF : 925.7/1

Right Out: -2.780 ± 0.049 χ^2/NDF : 77905.3/18

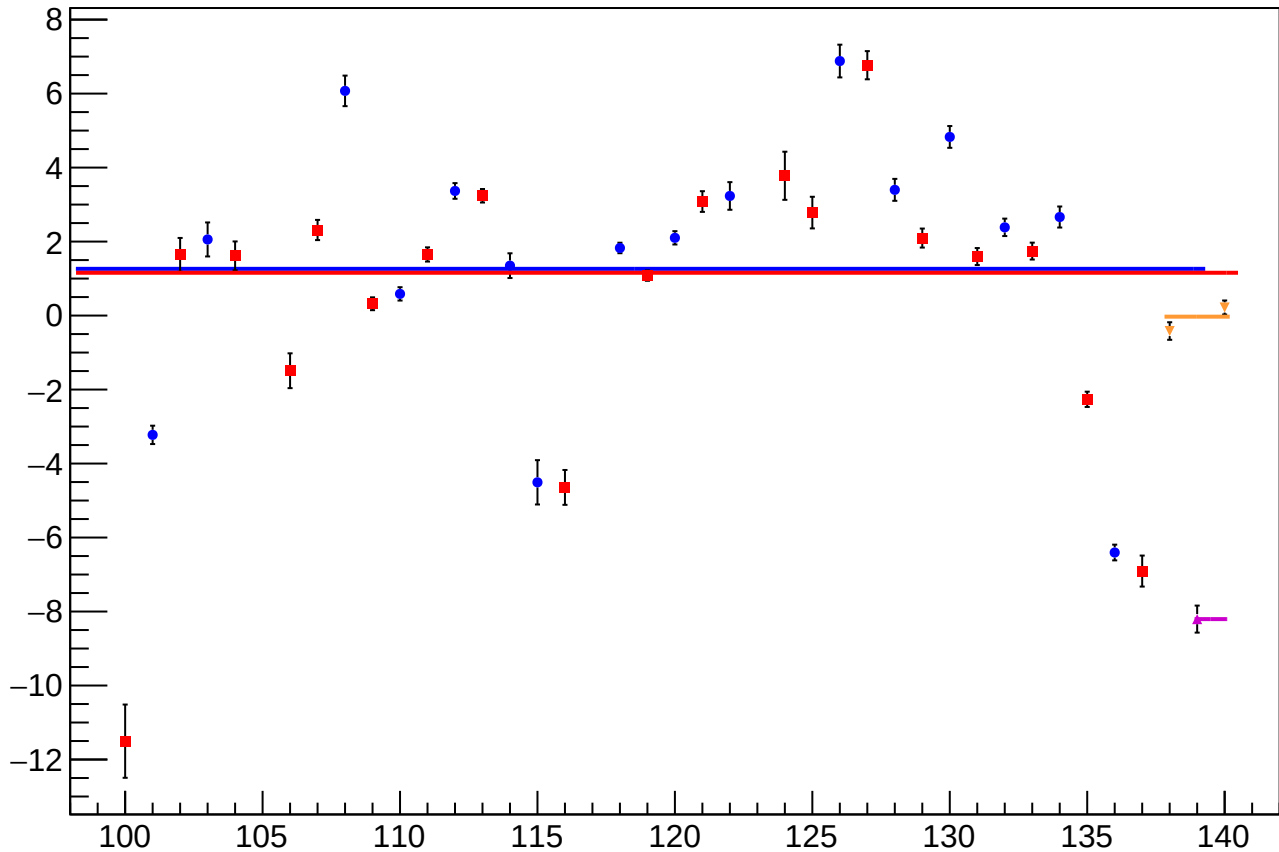
Left In: 34.065 ± 0.203 χ^2/NDF : 0.0/0

+ sign 0.269 ± 0.053 χ^2/NDF : 134059.5/17

All: -0.329 ± 0.035 χ^2/NDF : 243228.8/37

- sign -0.798 ± 0.047 χ^2/NDF : 108944.8/19

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263 $\pm$ 0.062 χ^2 /NDF: 2443.8/15

Left Out: -0.030 $\pm$ 0.148 χ^2 /NDF: 4.4/1

Right Out: 1.157 $\pm$ 0.059 χ^2 /NDF: 1490.5/18

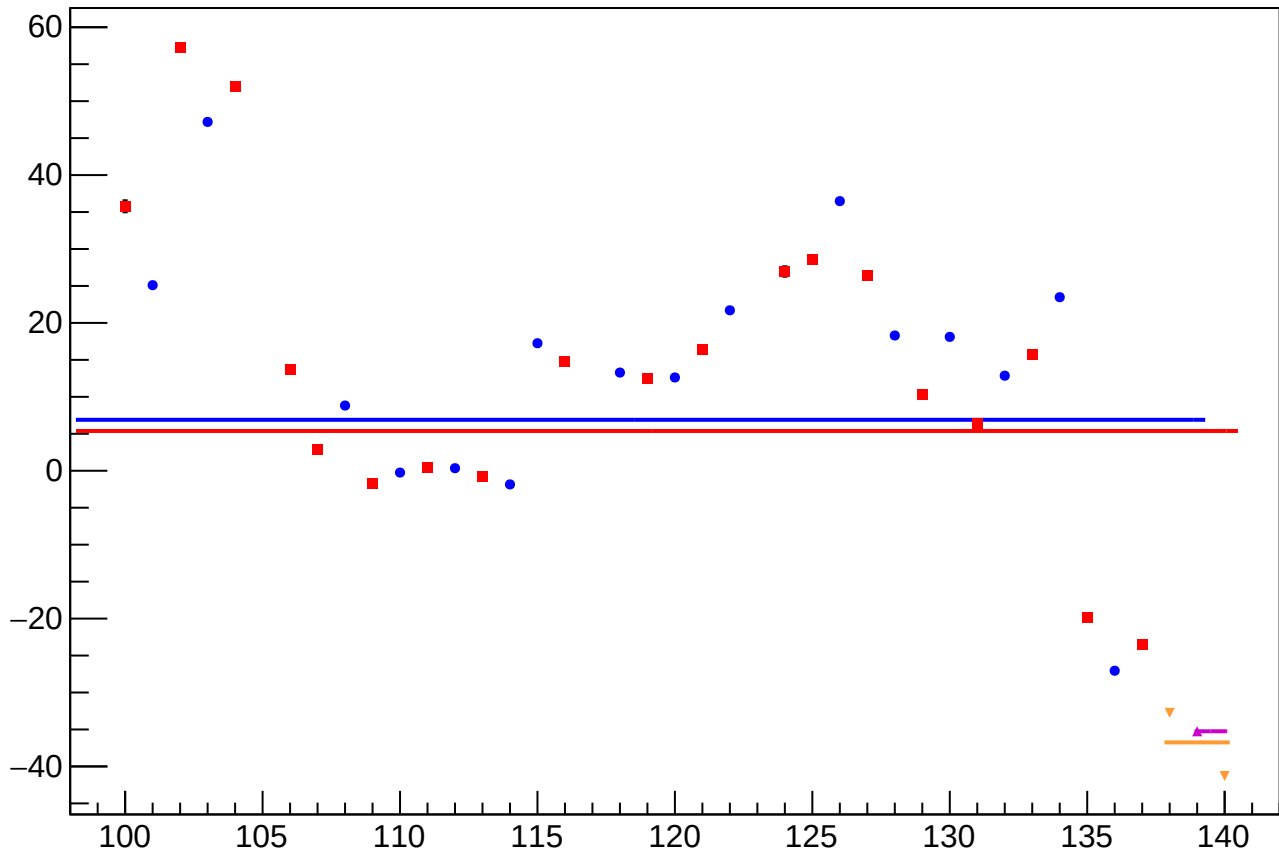
Left In: -8.205 $\pm$ 0.365 χ^2 /NDF: 0.0/0

+ sign 1.070 $\pm$ 0.057 χ^2 /NDF: 2513.0/17

All: 0.996 $\pm$ 0.041 χ^2 /NDF: 4647.1/37

- sign 0.918 $\pm$ 0.058 χ^2 /NDF: 2130.6/19

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895 ± 0.067 $\chi^2/\text{NDF}: 68047.4/15$

Left Out: -36.747 ± 0.160 $\chi^2/\text{NDF}: 709.3/1$

Right Out: 5.381 ± 0.062 $\chi^2/\text{NDF}: 72230.2/18$

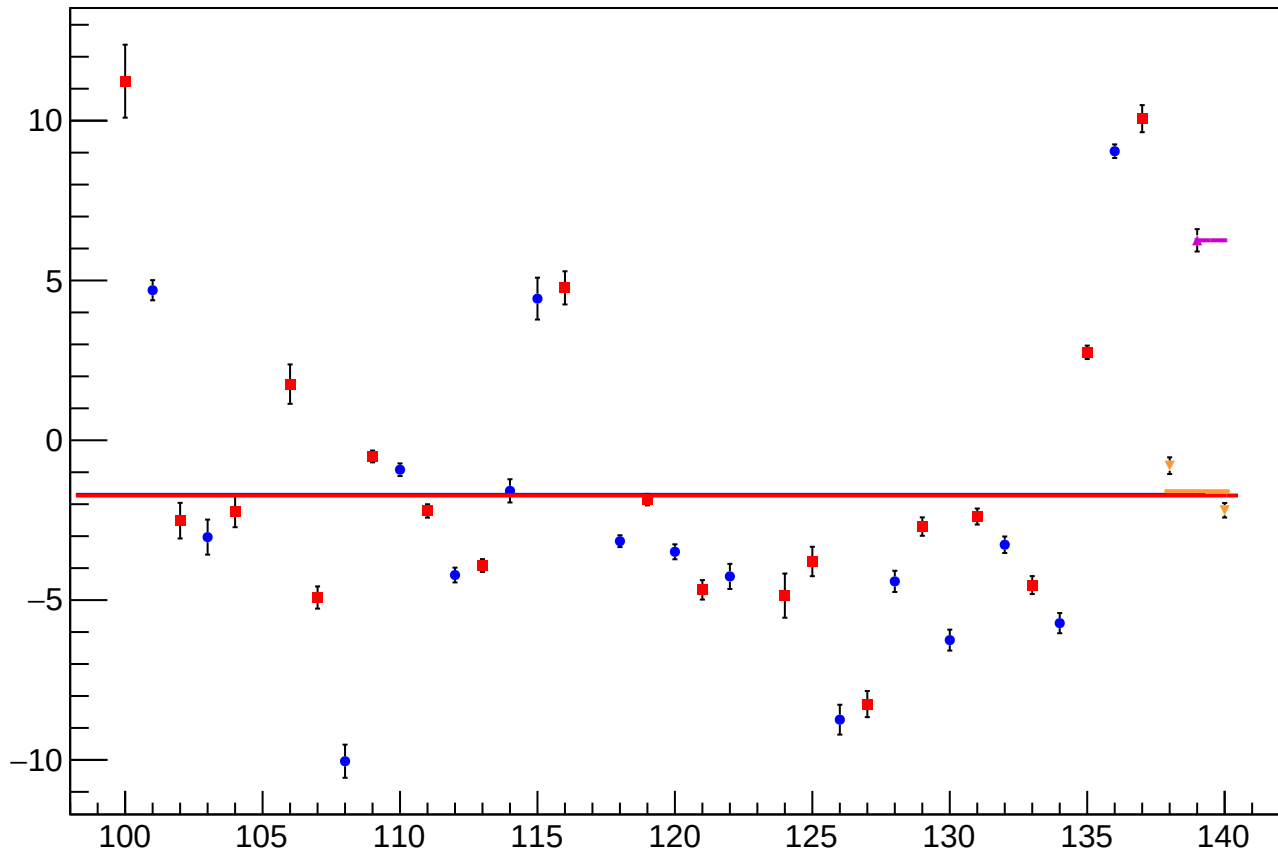
Left In: -35.246 ± 0.212 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.330 ± 0.062 $\chi^2/\text{NDF}: 131894.0/17$

All: 1.314 ± 0.043 $\chi^2/\text{NDF}: 238464.2/37$

- sign 2.210 ± 0.059 $\chi^2/\text{NDF}: 106090.4/19$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708 ± 0.072 χ^2/NDF : 4289.8/15

Left Out: -1.593 ± 0.171 χ^2/NDF : 16.2/1

Right Out: -1.727 ± 0.067 χ^2/NDF : 2309.6/18

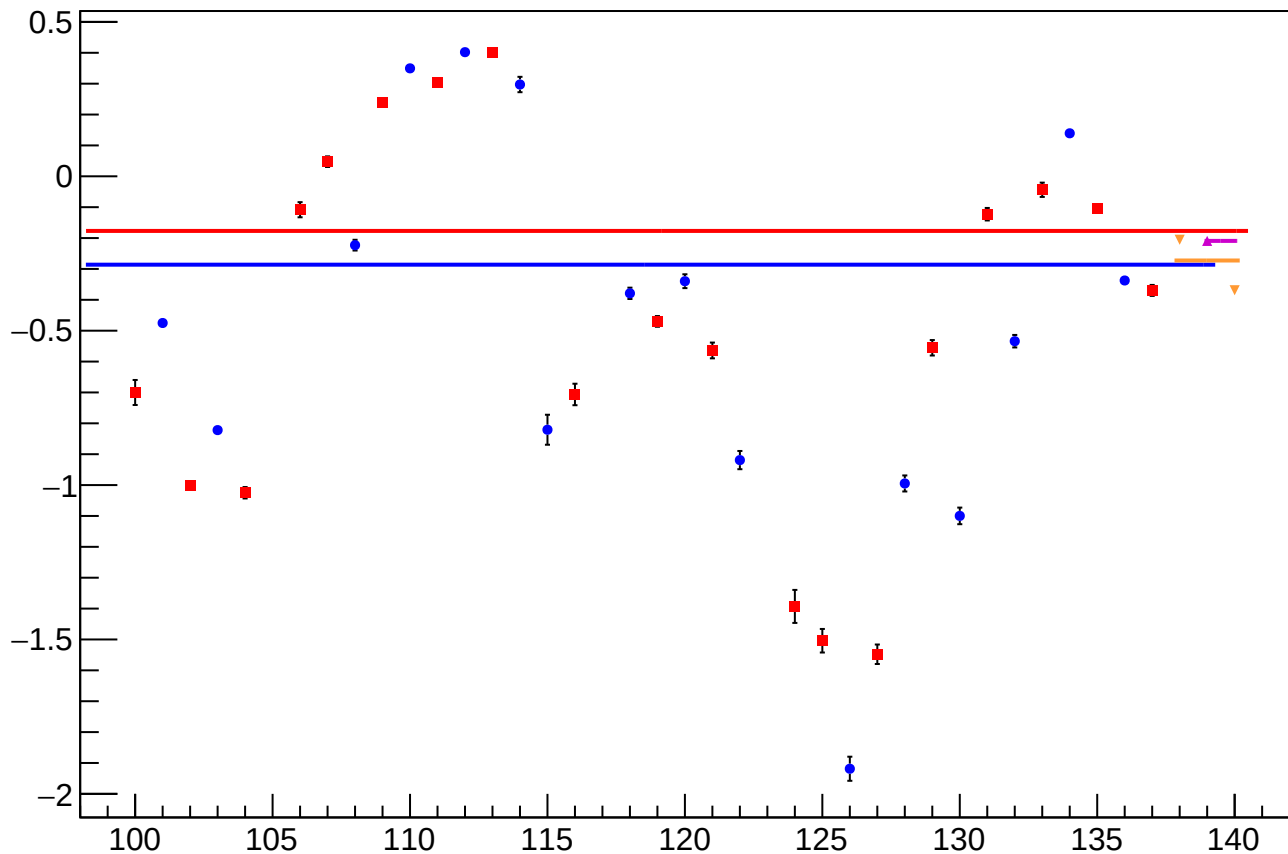
Left In: 6.257 ± 0.350 χ^2/NDF : 0.0/0

+ sign -1.691 ± 0.066 χ^2/NDF : 4306.4/17

All: -1.568 ± 0.047 χ^2/NDF : 7123.5/37

- sign -1.447 ± 0.066 χ^2/NDF : 2810.3/19

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286 ± 0.004 χ^2/NDF : 11361.1/15

Left Out: -0.273 ± 0.007 χ^2/NDF : 152.1/1

Right Out: -0.177 ± 0.004 χ^2/NDF : 14767.8/18

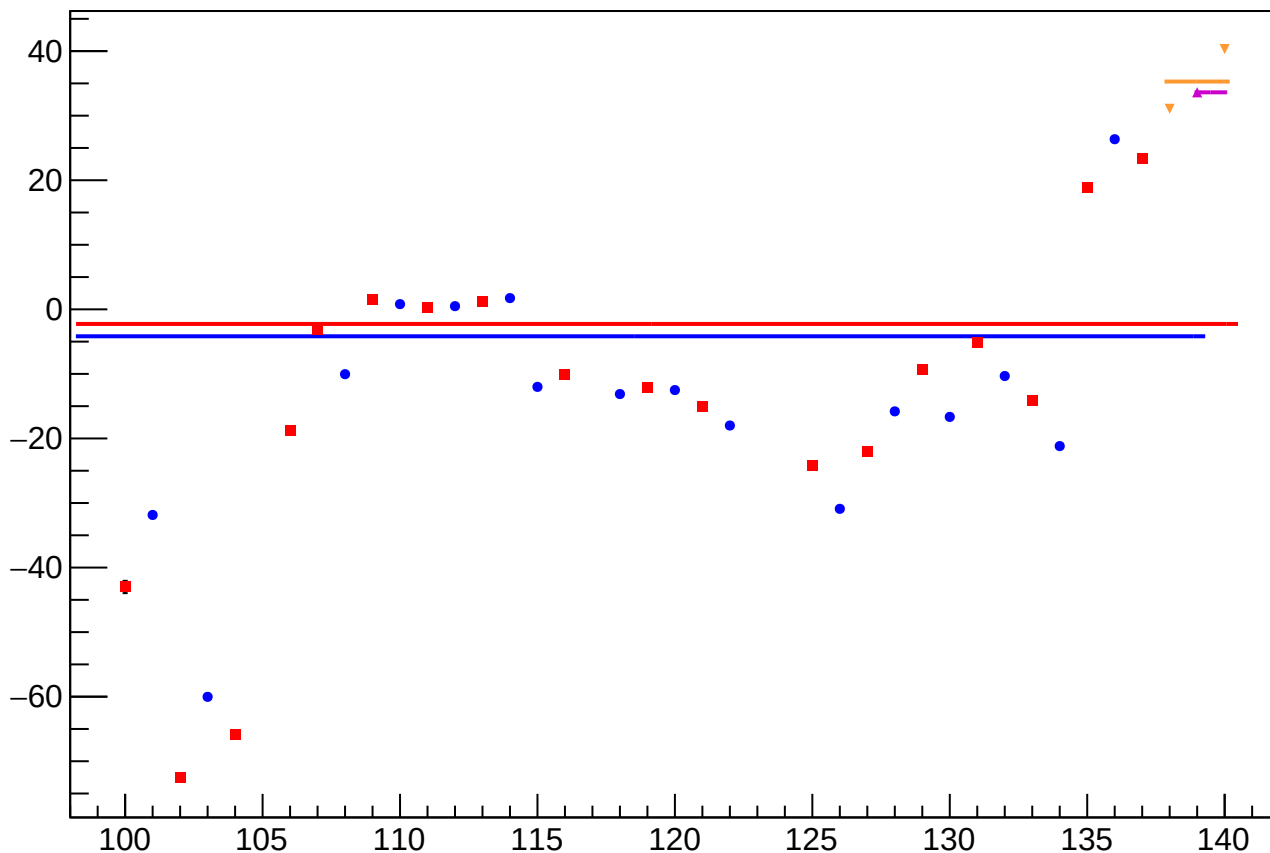
Left In: -0.209 ± 0.008 χ^2/NDF : 0.0/0

+ sign -0.282 ± 0.004 χ^2/NDF : 11516.2/17

All: -0.232 ± 0.003 χ^2/NDF : 26683.9/37

- sign -0.184 ± 0.003 χ^2/NDF : 14782.2/19

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: -4.173 ± 0.054 χ^2/NDF : 75394.5/15

Left Out: 35.285 ± 0.149 χ^2/NDF : 959.1/1

Right Out: -2.261 ± 0.046 χ^2/NDF : 79624.4/17

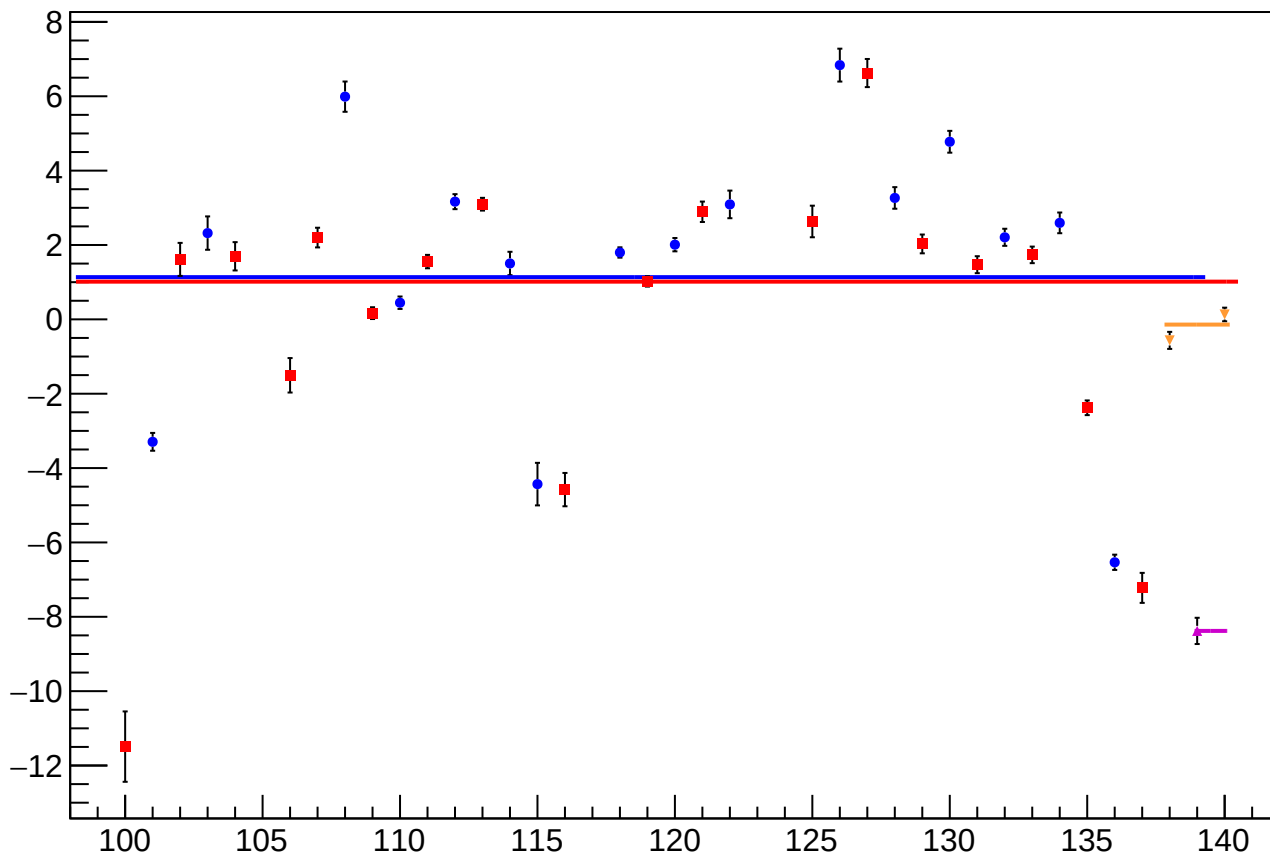
Left In: 33.617 ± 0.196 χ^2/NDF : 0.0/0

+ sign 0.490 ± 0.051 χ^2/NDF : 138412.3/17

All: -0.010 ± 0.034 χ^2/NDF : 249821.9/36

- sign -0.393 ± 0.045 χ^2/NDF : 111240.9/18

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.135 $\pm$ 0.060 χ^2 /NDF: 2595.7/15

Left Out: -0.141 $\pm$ 0.143 χ^2 /NDF: 5.6/1

Right Out: 1.014 $\pm$ 0.057 χ^2 /NDF: 1593.0/17

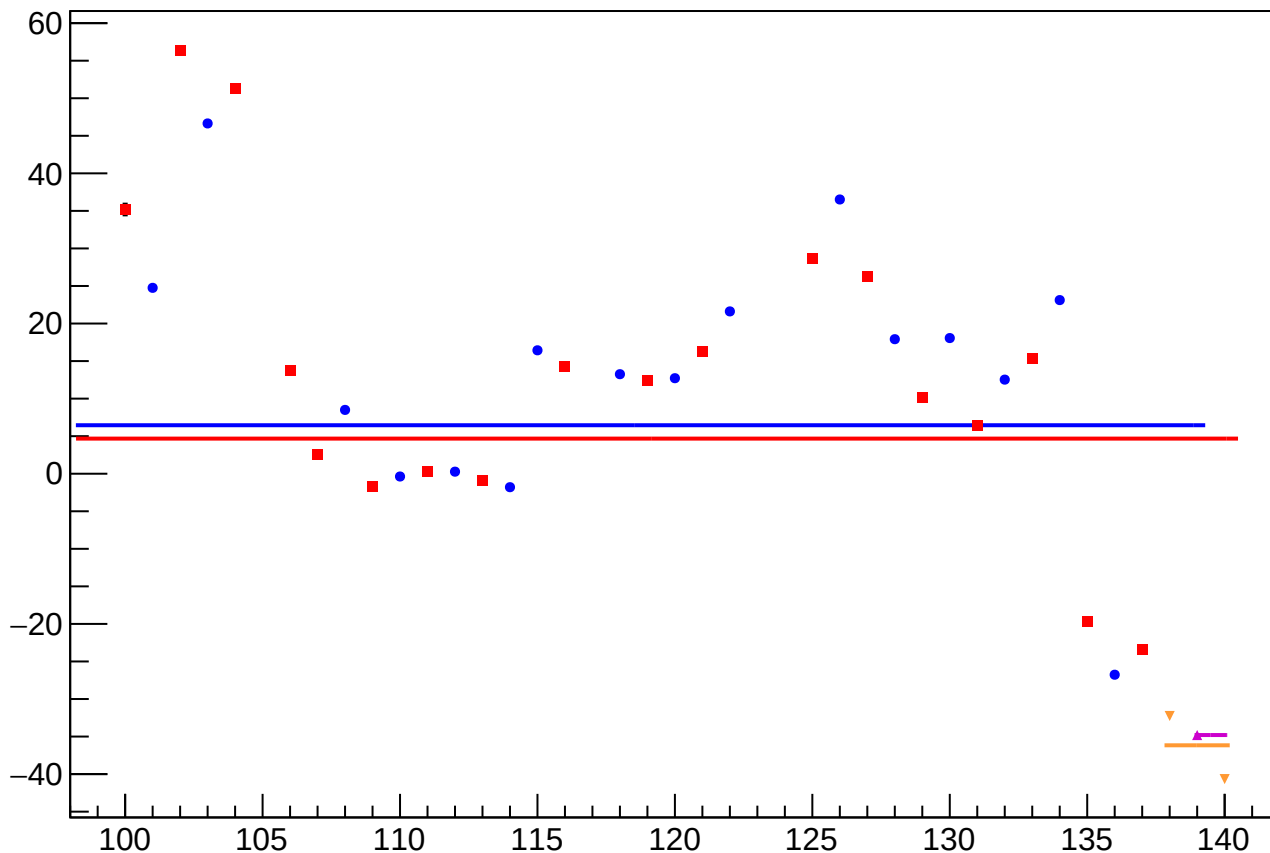
Left In: -8.380 $\pm$ 0.353 χ^2 /NDF: 0.0/0

+ sign 0.943 $\pm$ 0.055 χ^2 /NDF: 2668.9/17

All: 0.860 $\pm$ 0.040 χ^2 /NDF: 4956.8/36

- sign 0.774 $\pm$ 0.056 χ^2 /NDF: 2283.3/18

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 6.458 ± 0.065 χ^2/NDF : 70792.7/15

Left Out: -36.164 ± 0.154 χ^2/NDF : 737.6/1

Right Out: 4.677 ± 0.059 χ^2/NDF : 74414.5/17

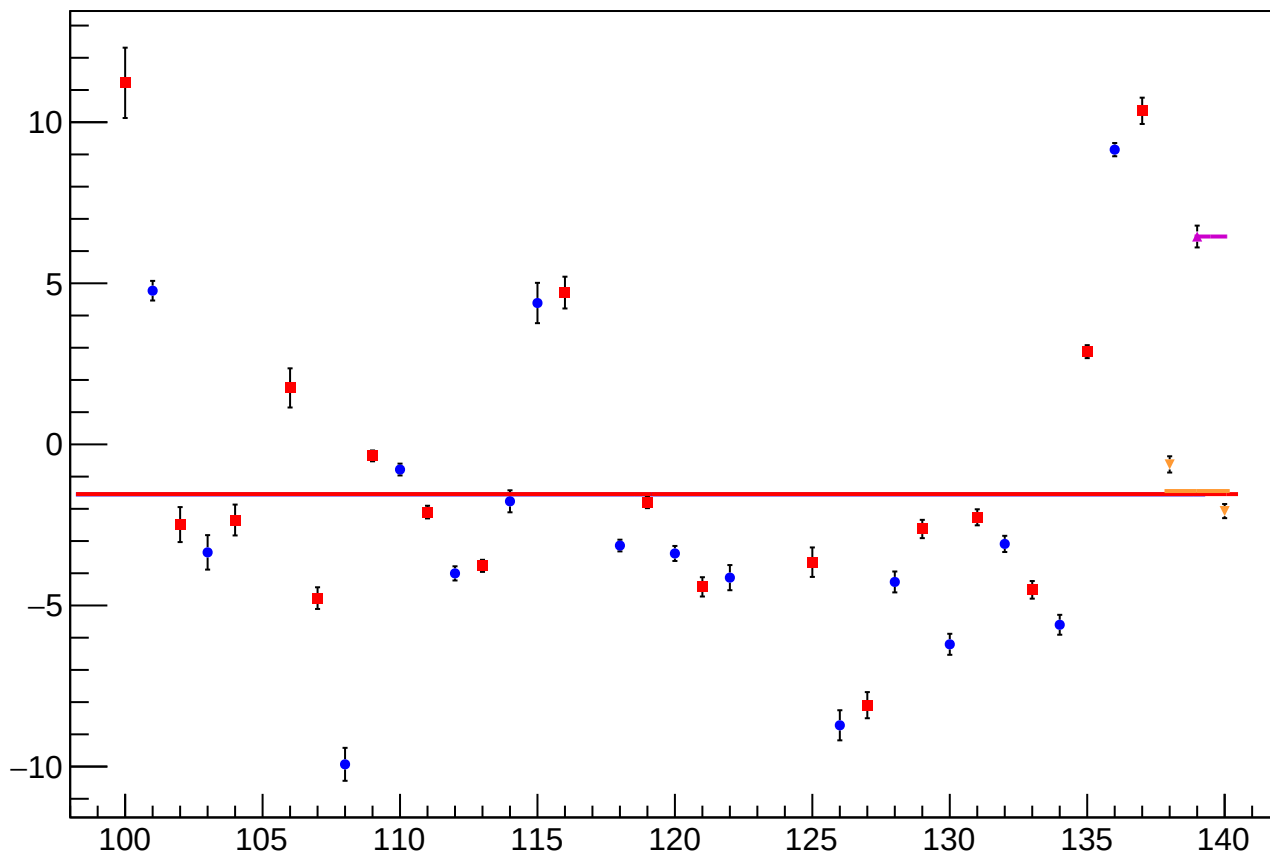
Left In: -34.798 ± 0.205 χ^2/NDF : 0.0/0

+ sign 0.042 ± 0.060 χ^2/NDF : 136332.1/17

All: 0.884 ± 0.041 χ^2/NDF : 245447.0/36

- sign 1.641 ± 0.057 χ^2/NDF : 108739.3/18

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.552 ± 0.069 χ^2/NDF : 4543.6/15

Left Out: -1.448 ± 0.165 χ^2/NDF : 18.8/1

Right Out: -1.543 ± 0.065 χ^2/NDF : 2473.0/17

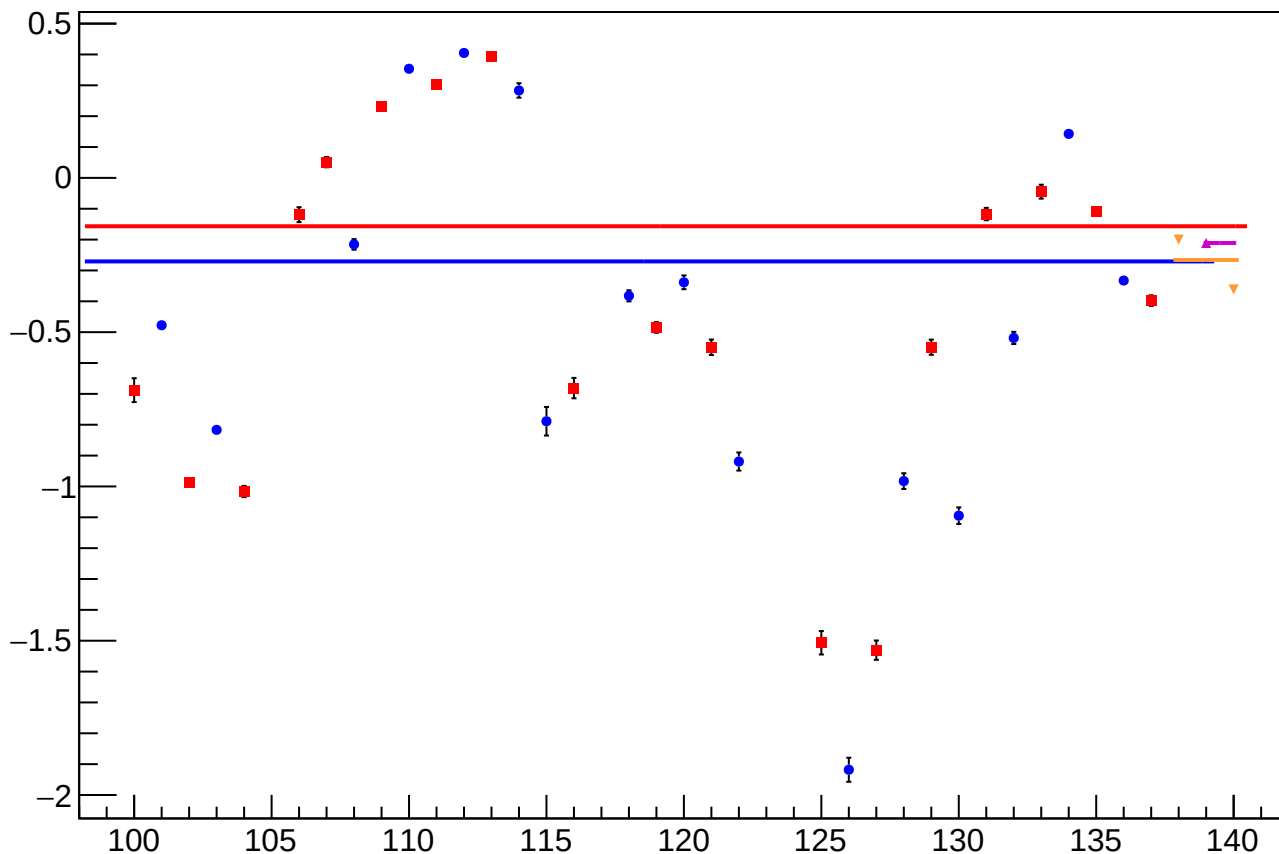
Left In: 6.452 ± 0.339 χ^2/NDF : 0.0/0

+ sign -1.536 ± 0.064 χ^2/NDF : 4562.7/17

All: -1.398 ± 0.045 χ^2/NDF : 7582.8/36

- sign -1.263 ± 0.063 χ^2/NDF : 3010.8/18

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.271 ± 0.004 $\chi^2/\text{NDF}: 12096.1/15$

Left Out: -0.266 ± 0.006 $\chi^2/\text{NDF}: 159.6/1$

Right Out: -0.157 ± 0.004 $\chi^2/\text{NDF}: 15019.0/17$

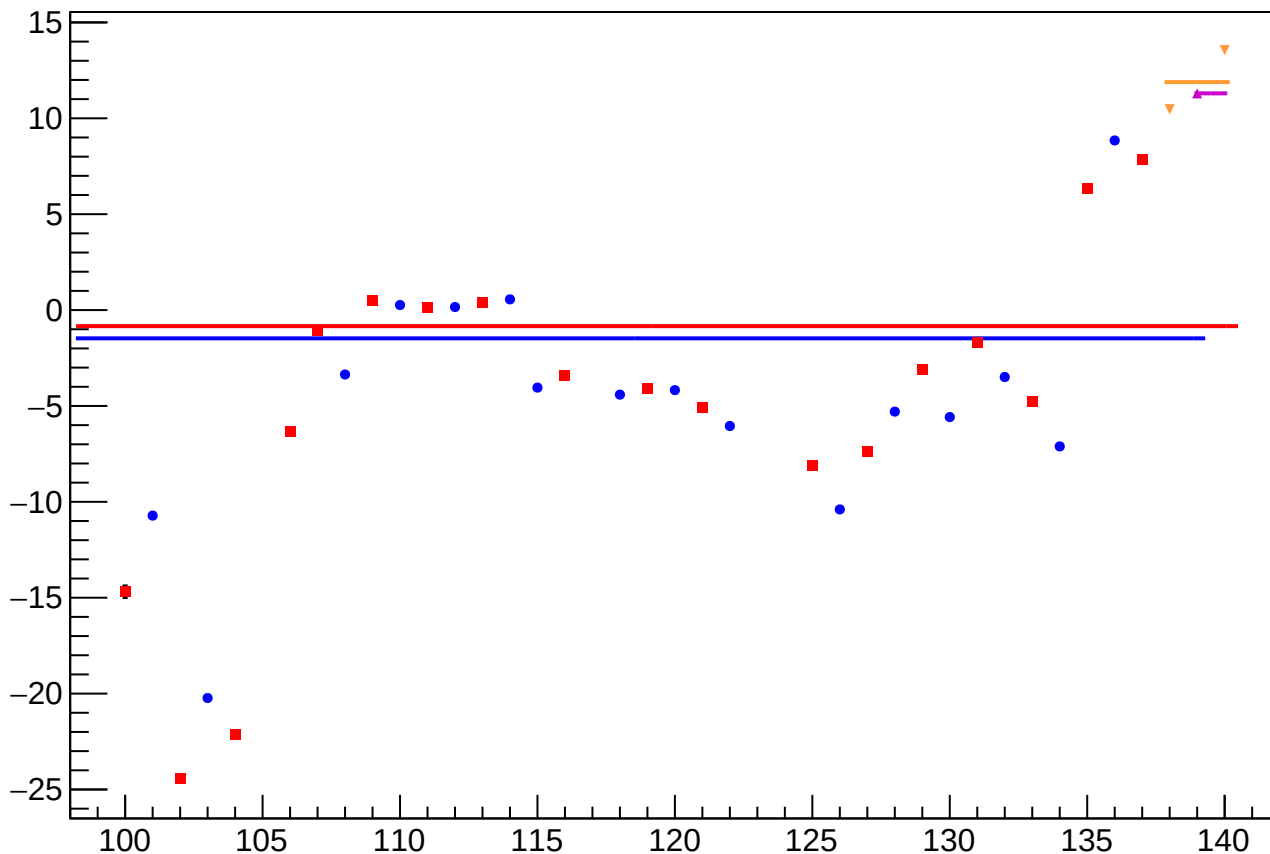
Left In: -0.211 ± 0.007 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.269 ± 0.003 $\chi^2/\text{NDF}: 12256.1/17$

All: -0.217 ± 0.002 $\chi^2/\text{NDF}: 27756.2/36$

- sign -0.168 ± 0.003 $\chi^2/\text{NDF}: 15062.5/18$

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.474 ± 0.019 χ^2/NDF : 73722.2/15

Left Out: 11.889 ± 0.051 χ^2/NDF : 922.7/1

Right Out: -0.838 ± 0.016 χ^2/NDF : 78013.1/17

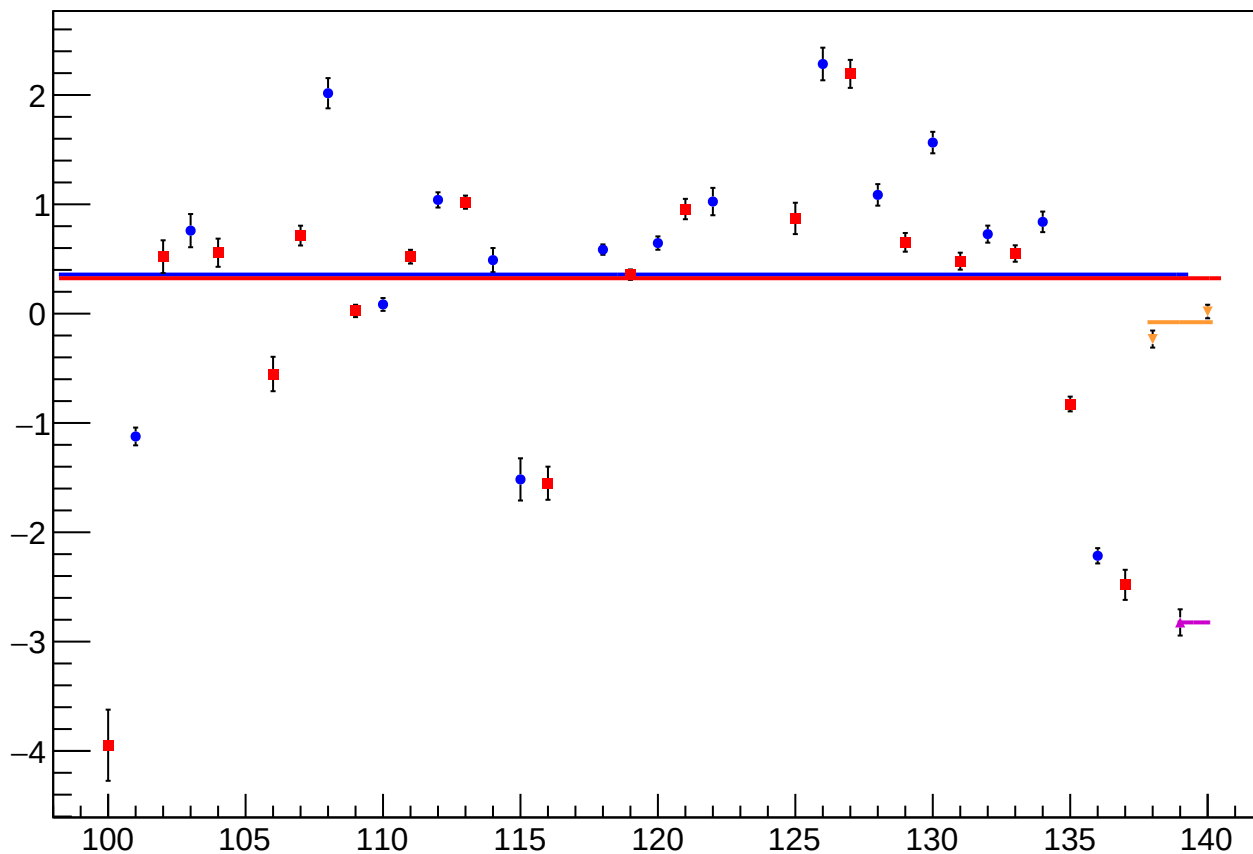
Left In: 11.300 ± 0.067 χ^2/NDF : 0.0/0

+ sign 0.135 ± 0.018 χ^2/NDF : 135886.8/17

All: -0.040 ± 0.012 χ^2/NDF : 245271.9/36

- sign -0.178 ± 0.016 χ^2/NDF : 109207.0/18

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.357 ± 0.021 χ^2/NDF : 2543.0/15

Left Out: -0.078 ± 0.049 χ^2/NDF : 6.4/1

Right Out: 0.324 ± 0.020 χ^2/NDF : 1558.9/17

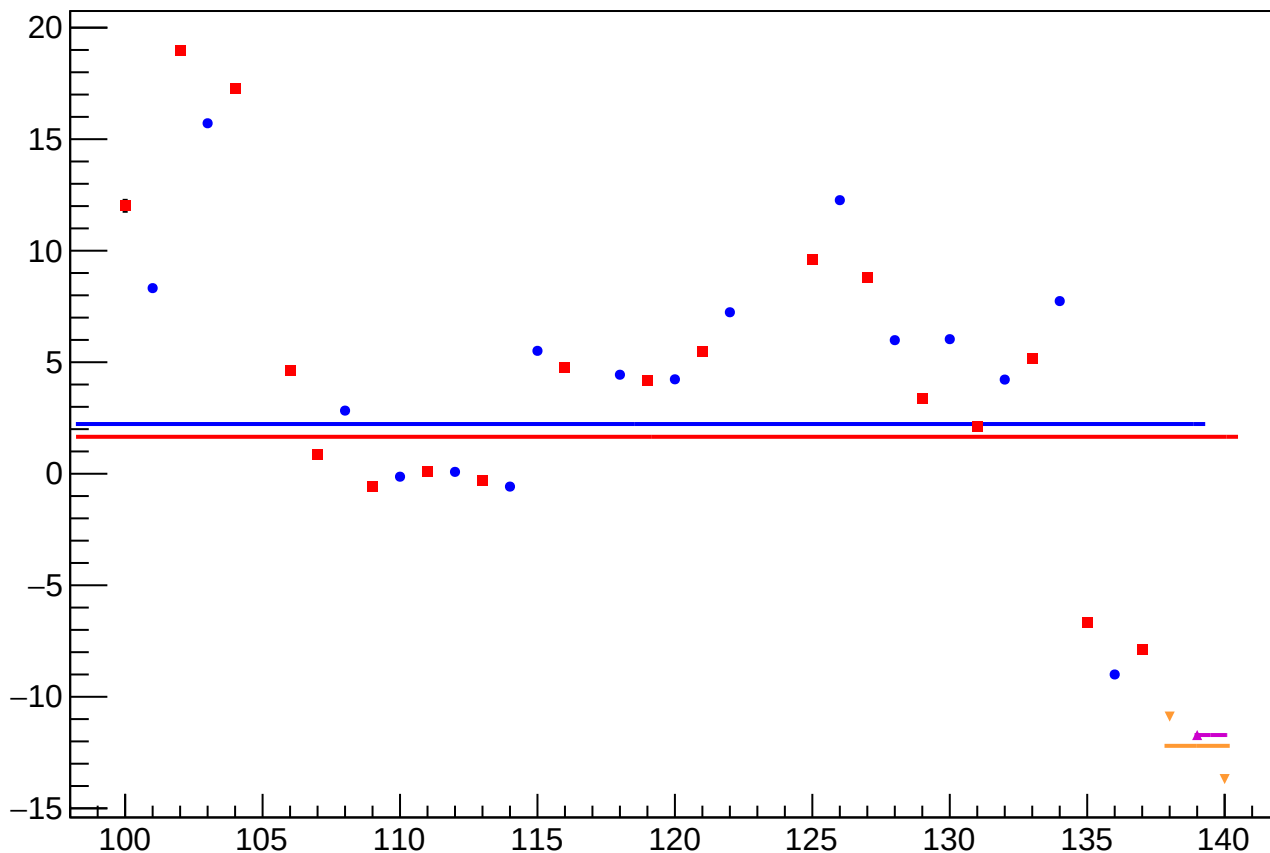
Left In: -2.825 ± 0.120 χ^2/NDF : 0.0/0

+ sign 0.291 ± 0.019 χ^2/NDF : 2617.5/17

All: 0.267 ± 0.014 χ^2/NDF : 4849.5/36

- sign 0.241 ± 0.019 χ^2/NDF : 2228.6/18

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 2.229 $\pm$ 0.022 χ^2 /NDF: 69187.1/15

Left Out: -12.199 $\pm$ 0.053 χ^2 /NDF: 707.9/1

Right Out: 1.657 $\pm$ 0.020 χ^2 /NDF: 72797.4/17

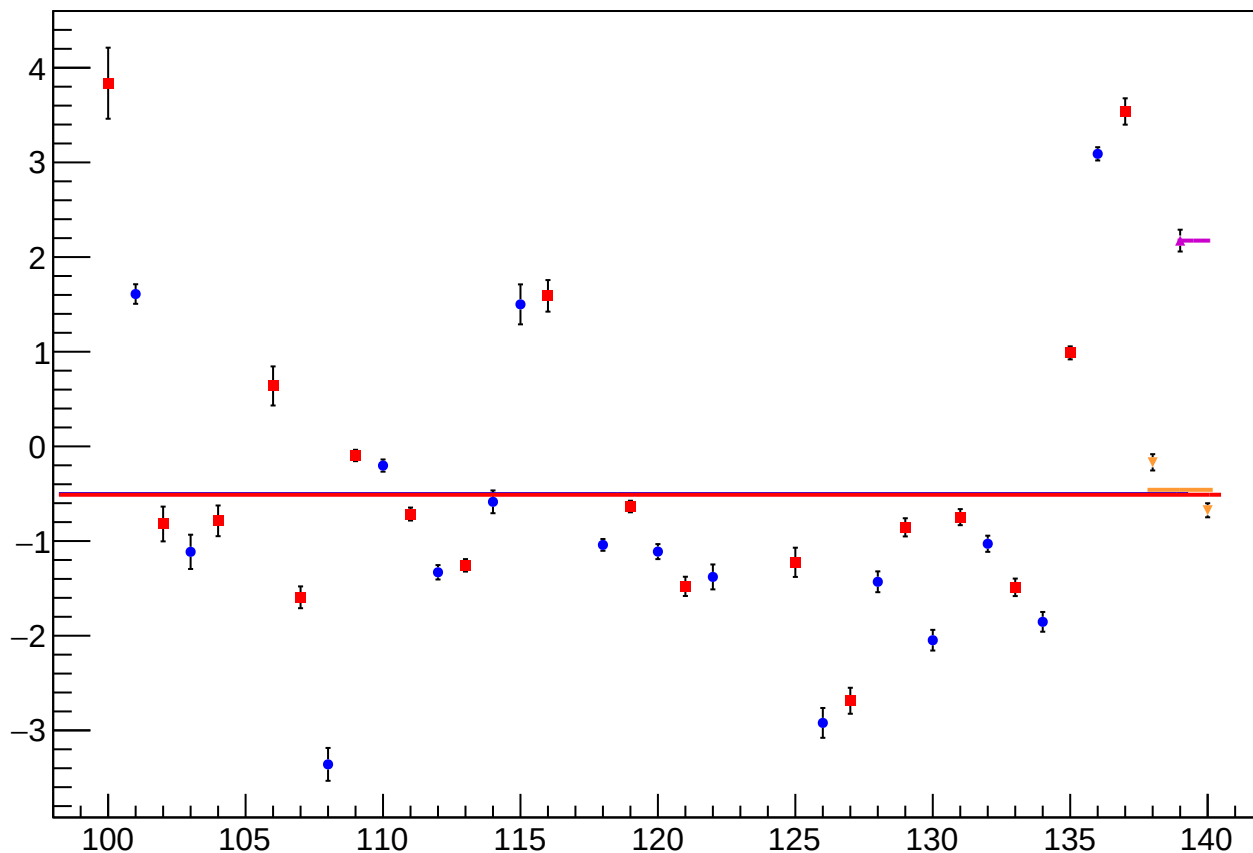
Left In: -11.714 $\pm$ 0.070 χ^2 /NDF: 0.0/0

+ sign 0.034 $\pm$ 0.020 χ^2 /NDF: 133840.0/17

All: 0.327 $\pm$ 0.014 χ^2 /NDF: 240968.2/36

- sign 0.596 $\pm$ 0.020 χ^2 /NDF: 106735.8/18

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.504 ± 0.024 χ^2/NDF : 4447.2/15

Left Out: -0.459 ± 0.056 χ^2/NDF : 19.9/1

Right Out: -0.511 ± 0.022 χ^2/NDF : 2424.0/17

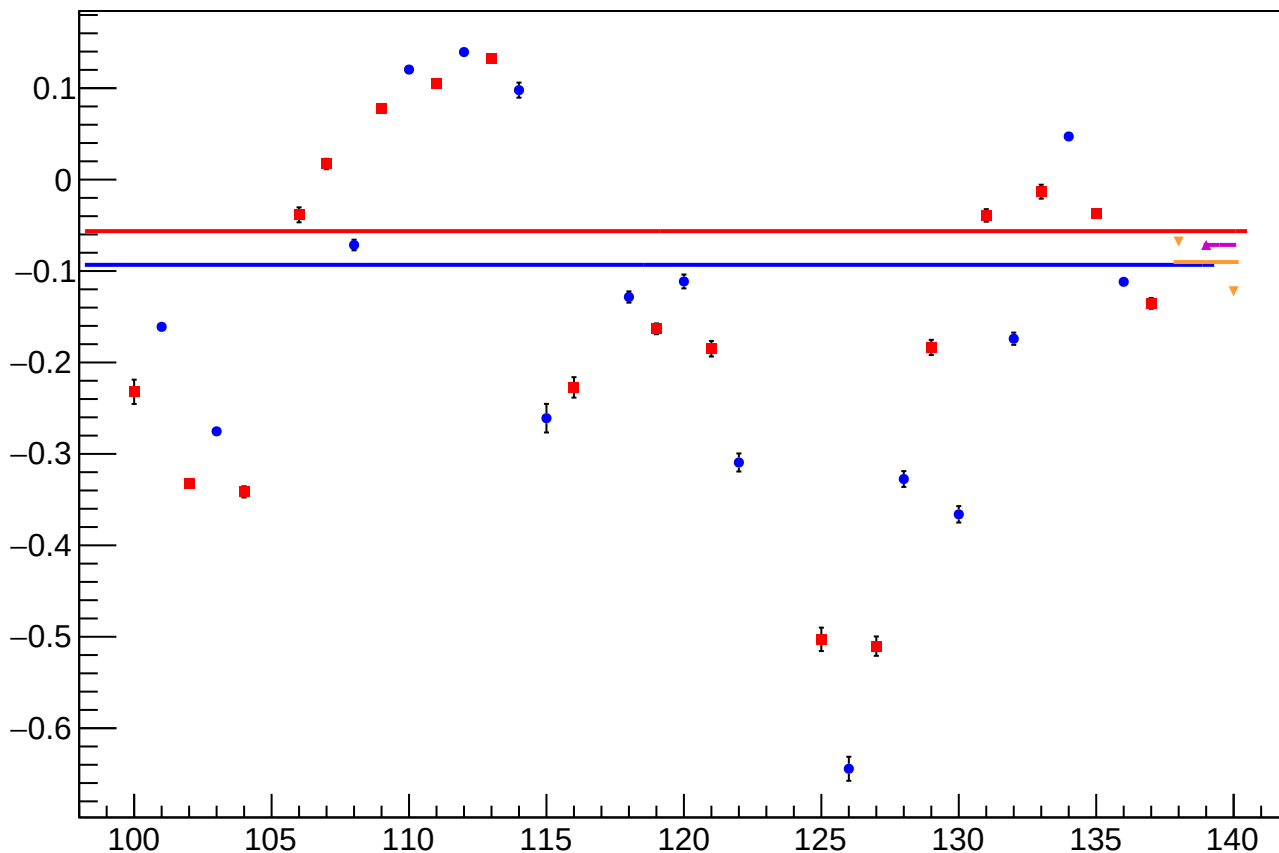
Left In: 2.174 ± 0.115 χ^2/NDF : 0.0/0

+ sign -0.497 ± 0.022 χ^2/NDF : 4467.6/17

All: -0.456 ± 0.015 χ^2/NDF : 7422.3/36

- sign -0.414 ± 0.022 χ^2/NDF : 2947.5/18

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.093 ± 0.001 χ^2/NDF : 11742.4/15

Left Out: -0.090 ± 0.002 χ^2/NDF : 156.3/1

Right Out: -0.056 ± 0.001 χ^2/NDF : 14457.4/17

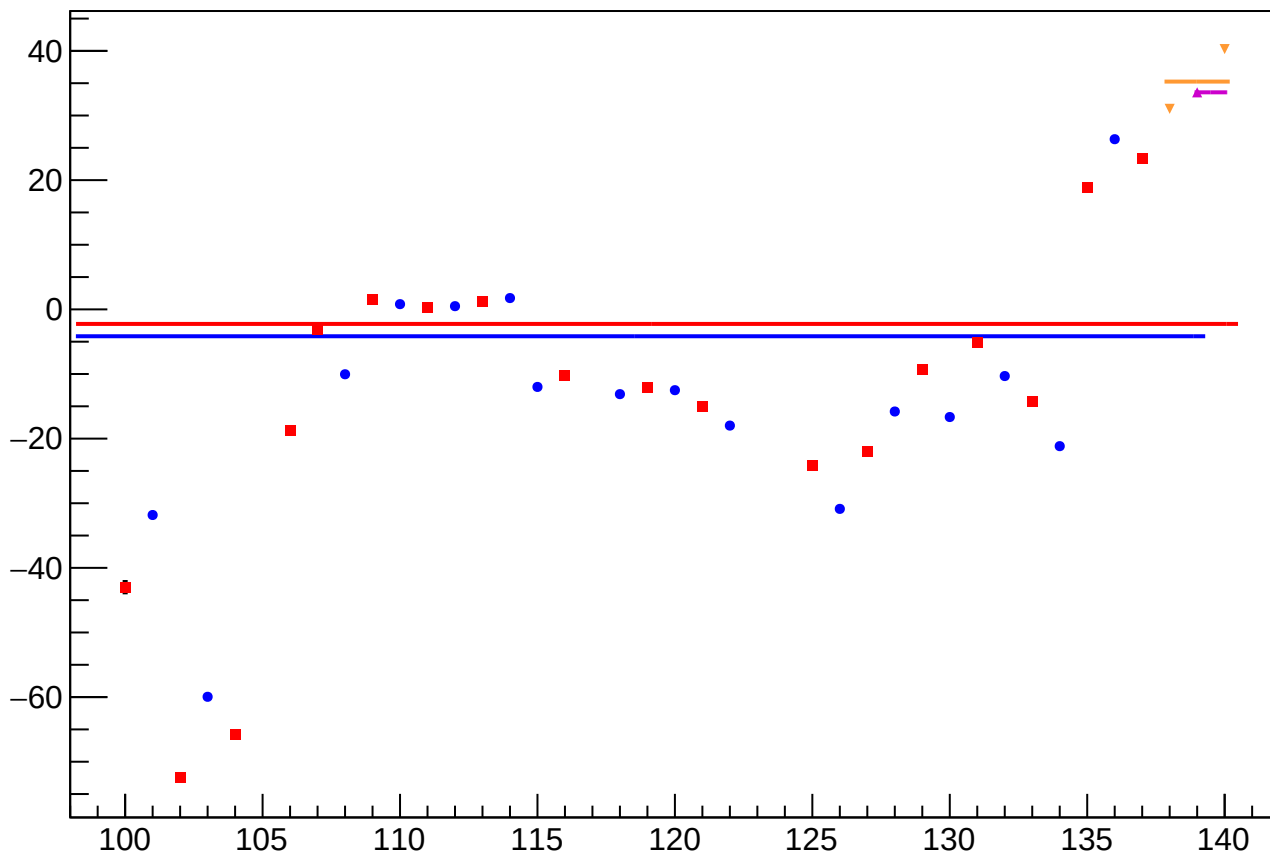
Left In: -0.071 ± 0.002 χ^2/NDF : 0.0/0

+ sign -0.092 ± 0.001 χ^2/NDF : 11900.2/17

All: -0.076 ± 0.001 χ^2/NDF : 26777.6/36

- sign -0.060 ± 0.001 χ^2/NDF : 14486.4/18

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: -4.159 ± 0.054 χ^2/NDF : 75420.4/15

Left Out: 35.251 ± 0.149 χ^2/NDF : 960.3/1

Right Out: -2.251 ± 0.046 χ^2/NDF : 79637.5/17

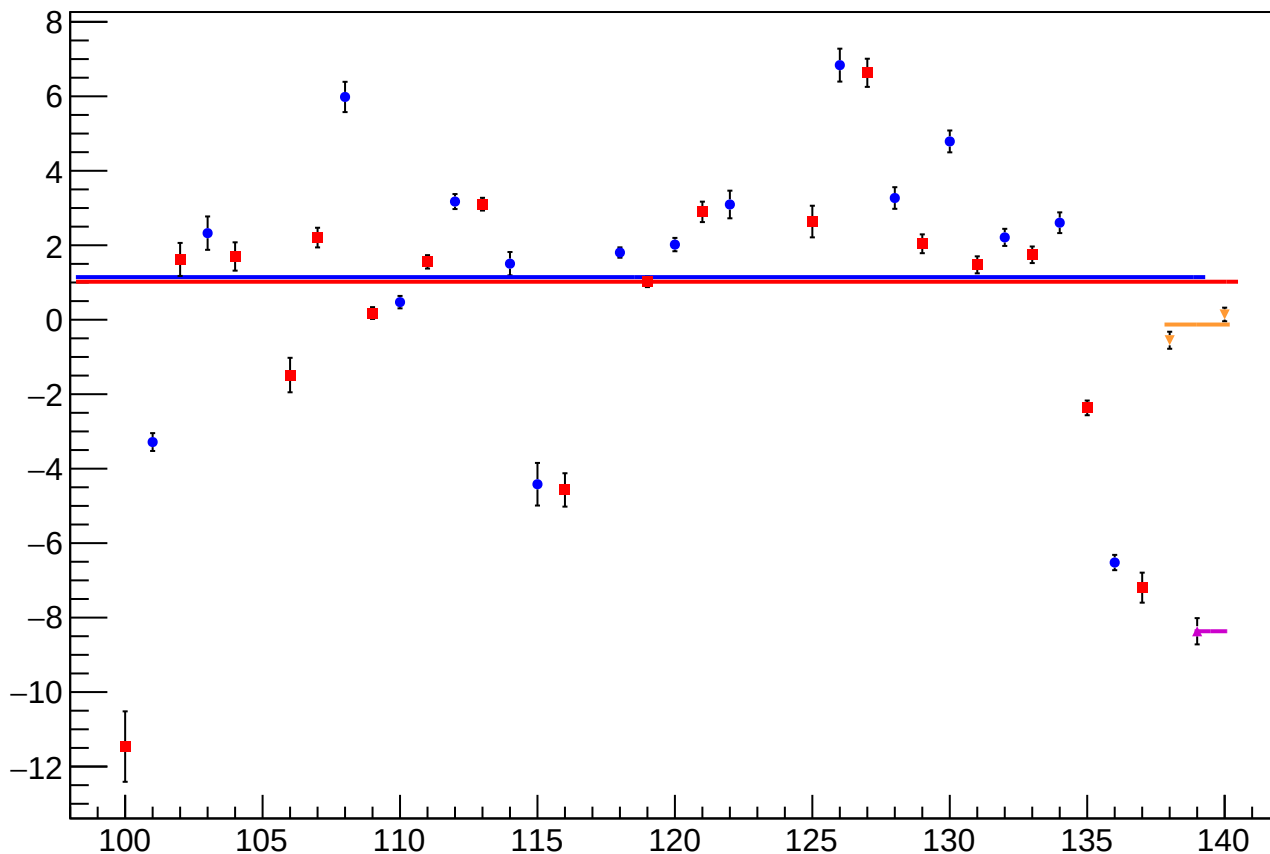
Left In: 33.588 ± 0.196 χ^2/NDF : 0.0/0

+ sign 0.495 ± 0.051 χ^2/NDF : 138409.3/17

All: -0.004 ± 0.034 χ^2/NDF : 249820.9/36

- sign -0.388 ± 0.045 χ^2/NDF : 111242.4/18

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.144 $\pm$ 0.060 χ^2 /NDF: 2595.3/15

Left Out: -0.129 $\pm$ 0.143 χ^2 /NDF: 5.6/1

Right Out: 1.021 $\pm$ 0.057 χ^2 /NDF: 1591.2/17

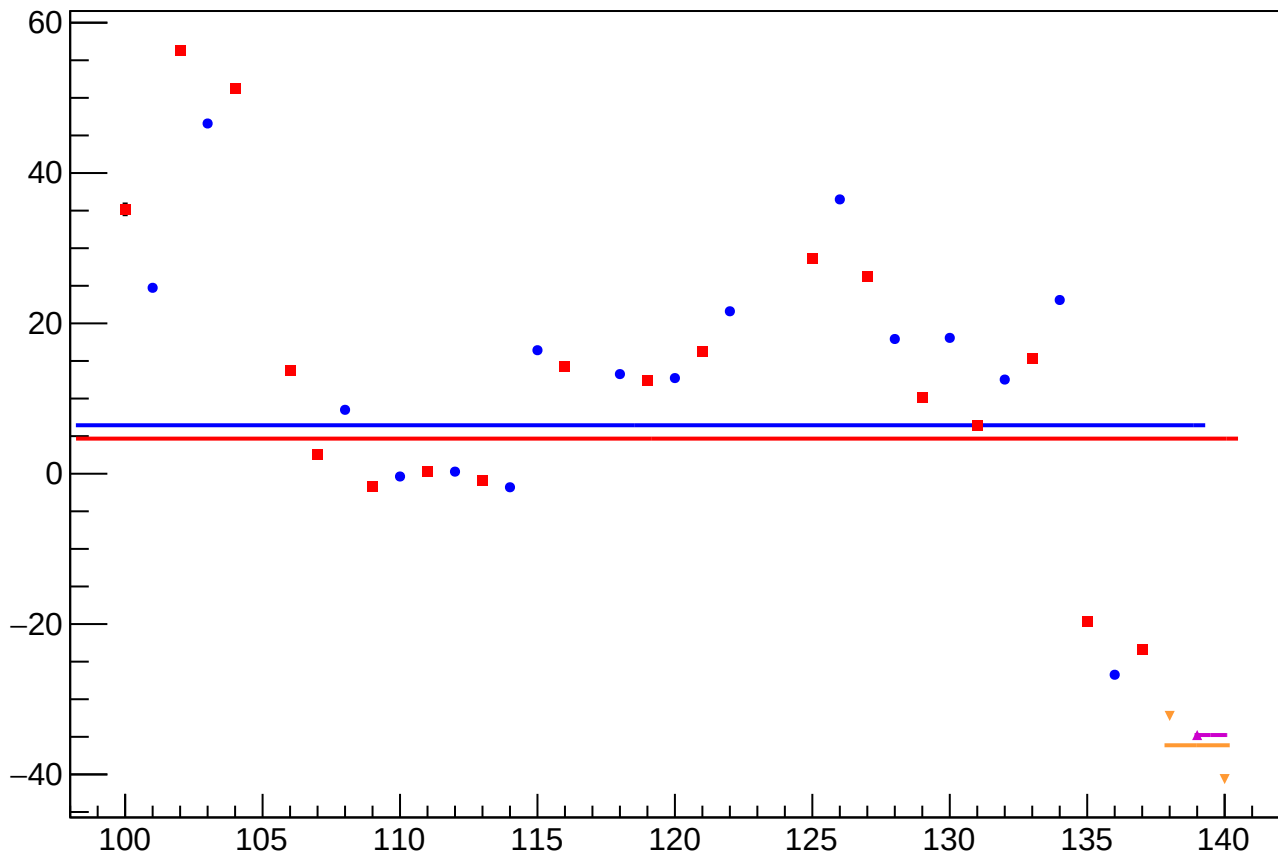
Left In: -8.367 $\pm$ 0.353 χ^2 /NDF: 0.0/0

+ sign 0.953 $\pm$ 0.055 χ^2 /NDF: 2668.3/17

All: 0.868 $\pm$ 0.040 χ^2 /NDF: 4954.8/36

- sign 0.780 $\pm$ 0.056 χ^2 /NDF: 2281.7/18

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 6.448 ± 0.065 χ^2/NDF : 70815.1/15

Left Out: -36.123 ± 0.154 χ^2/NDF : 738.7/1

Right Out: 4.671 ± 0.059 χ^2/NDF : 74420.3/17

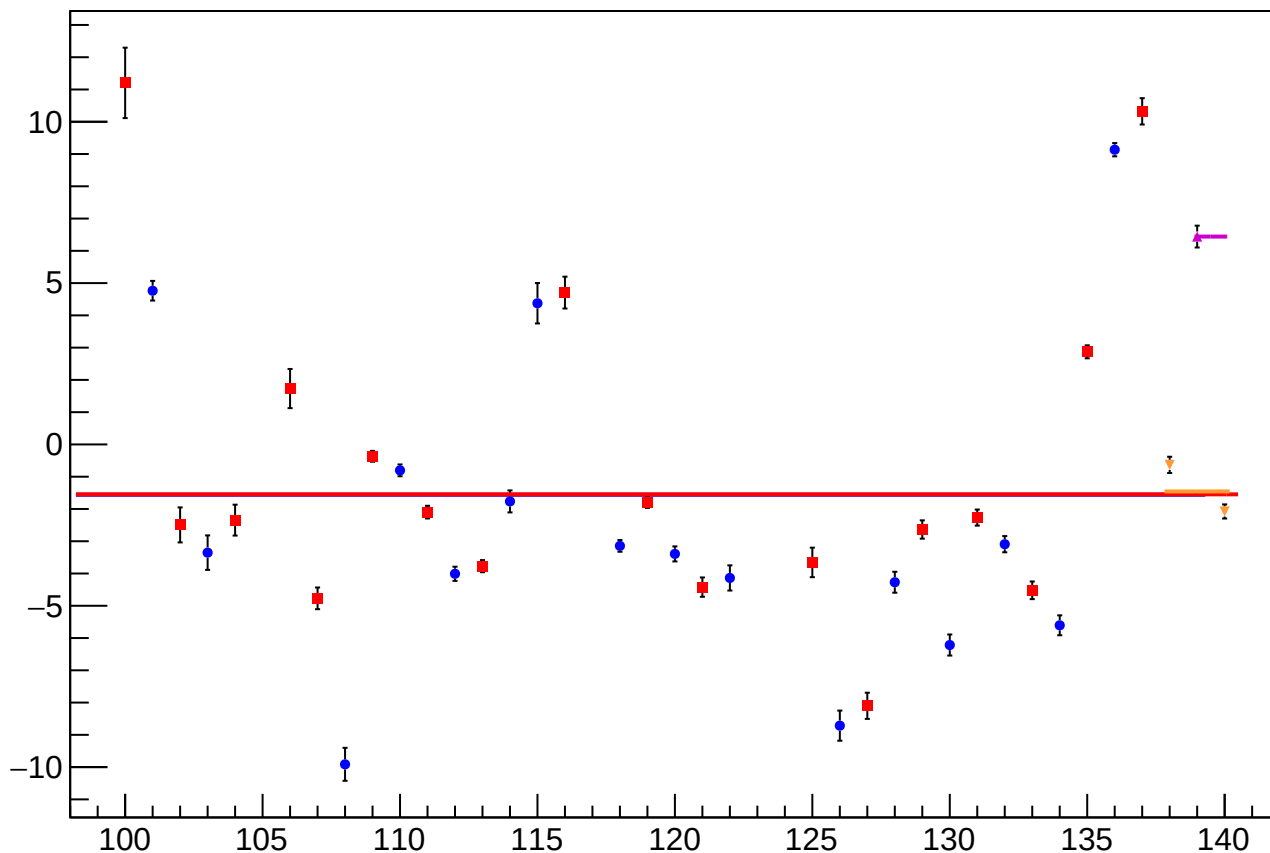
Left In: -34.761 ± 0.205 χ^2/NDF : 0.0/0

+ sign 0.042 ± 0.060 χ^2/NDF : 136326.2/17

All: 0.884 ± 0.041 χ^2/NDF : 245435.7/36

- sign 1.641 ± 0.057 χ^2/NDF : 108733.0/18

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.558 ± 0.069 $\chi^2/\text{NDF}: 4543.1/15$

Left Out: -1.457 ± 0.165 $\chi^2/\text{NDF}: 18.7/1$

Right Out: -1.547 ± 0.064 $\chi^2/\text{NDF}: 2470.1/17$

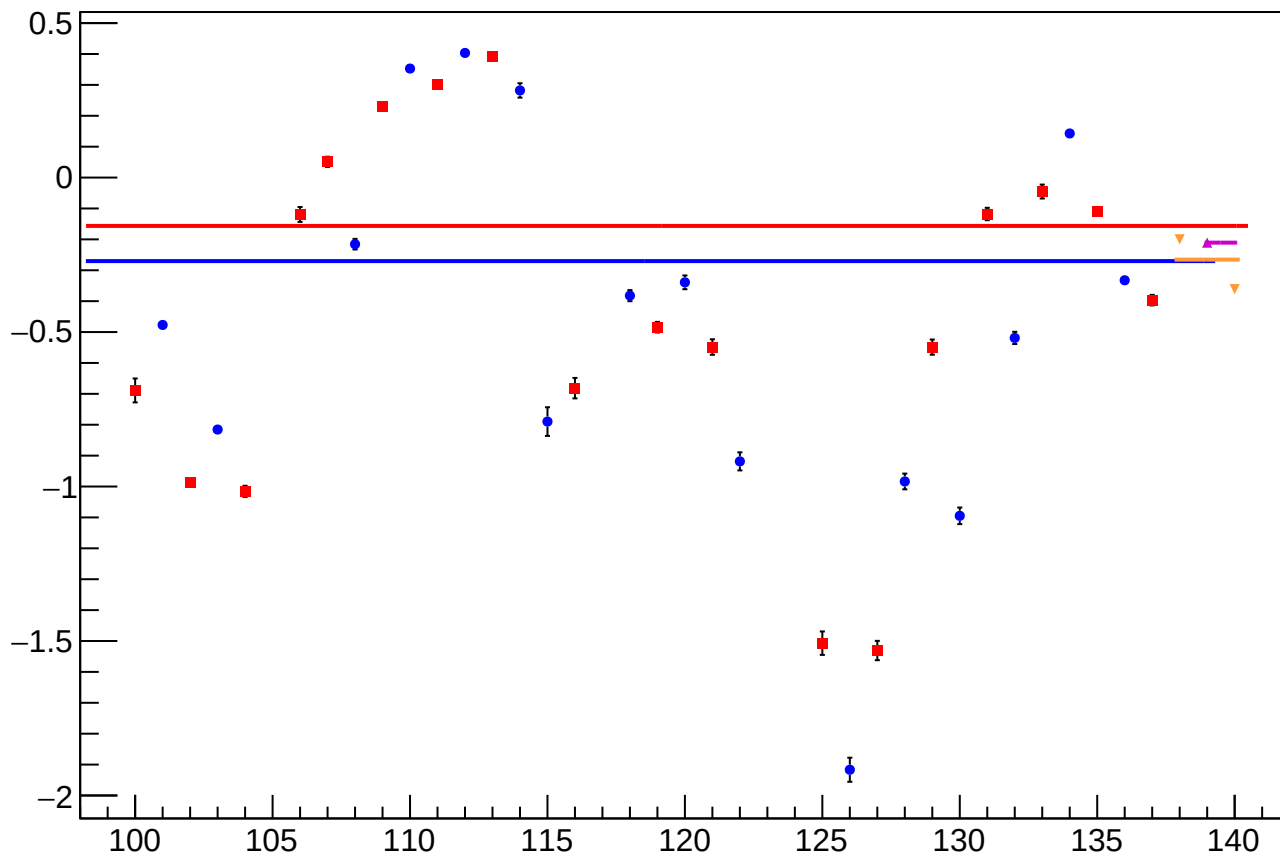
Left In: 6.442 ± 0.338 $\chi^2/\text{NDF}: 0.0/0$

+ sign -1.543 ± 0.064 $\chi^2/\text{NDF}: 4562.1/17$

All: -1.404 ± 0.045 $\chi^2/\text{NDF}: 7579.5/36$

- sign -1.267 ± 0.063 $\chi^2/\text{NDF}: 3007.9/18$

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.004 $\chi^2/\text{NDF}: 12096.8/15$

Left Out: -0.266 ± 0.006 $\chi^2/\text{NDF}: 159.5/1$

Right Out: -0.156 ± 0.004 $\chi^2/\text{NDF}: 15030.0/17$

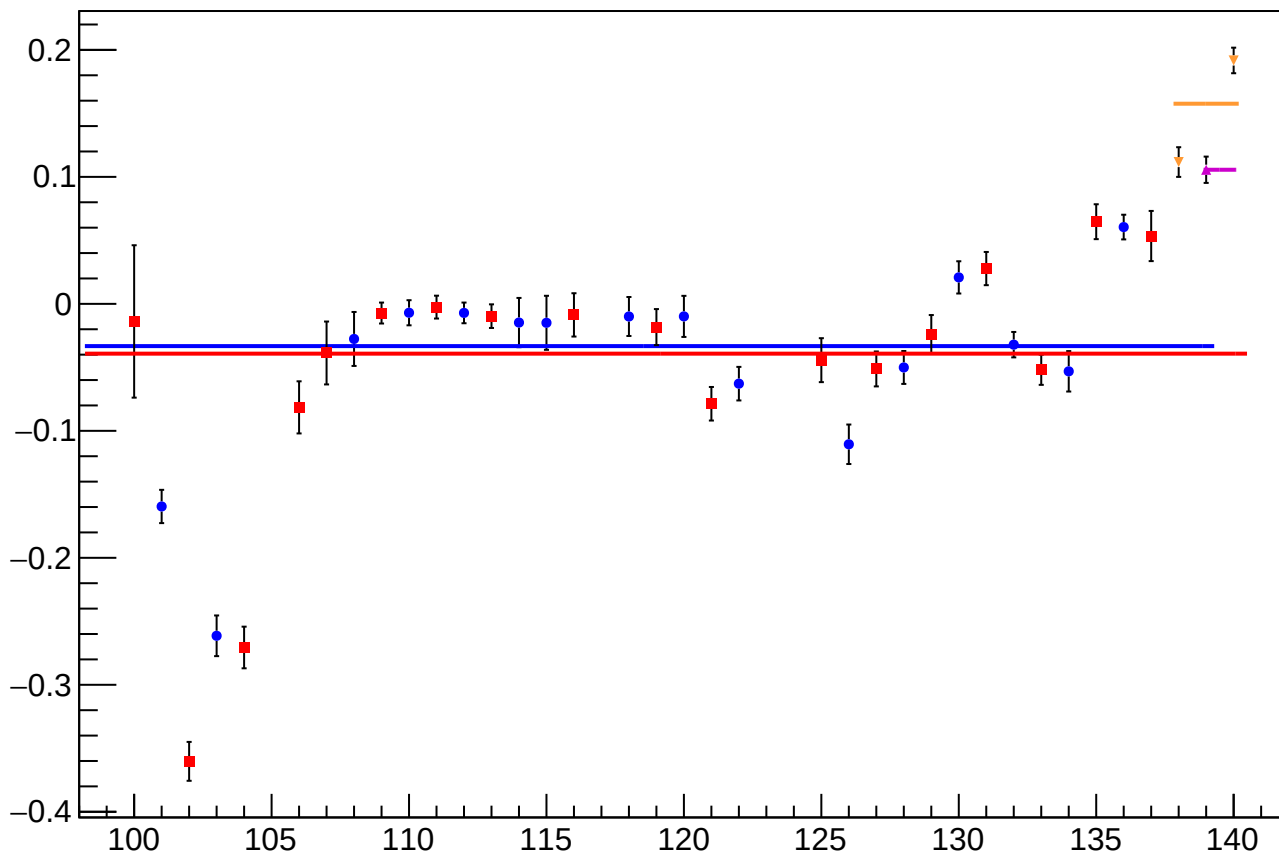
Left In: -0.211 ± 0.007 $\chi^2/\text{NDF}: 0.0/0$

+ sign -0.269 ± 0.003 $\chi^2/\text{NDF}: 12256.8/17$

All: -0.217 ± 0.002 $\chi^2/\text{NDF}: 27769.0/36$

- sign -0.168 ± 0.003 $\chi^2/\text{NDF}: 15073.7/18$

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.033 ± 0.003 χ^2/NDF : 463.5/15

Left Out: 0.158 ± 0.008 χ^2/NDF : 26.9/1

Right Out: -0.039 ± 0.003 χ^2/NDF : 807.6/17

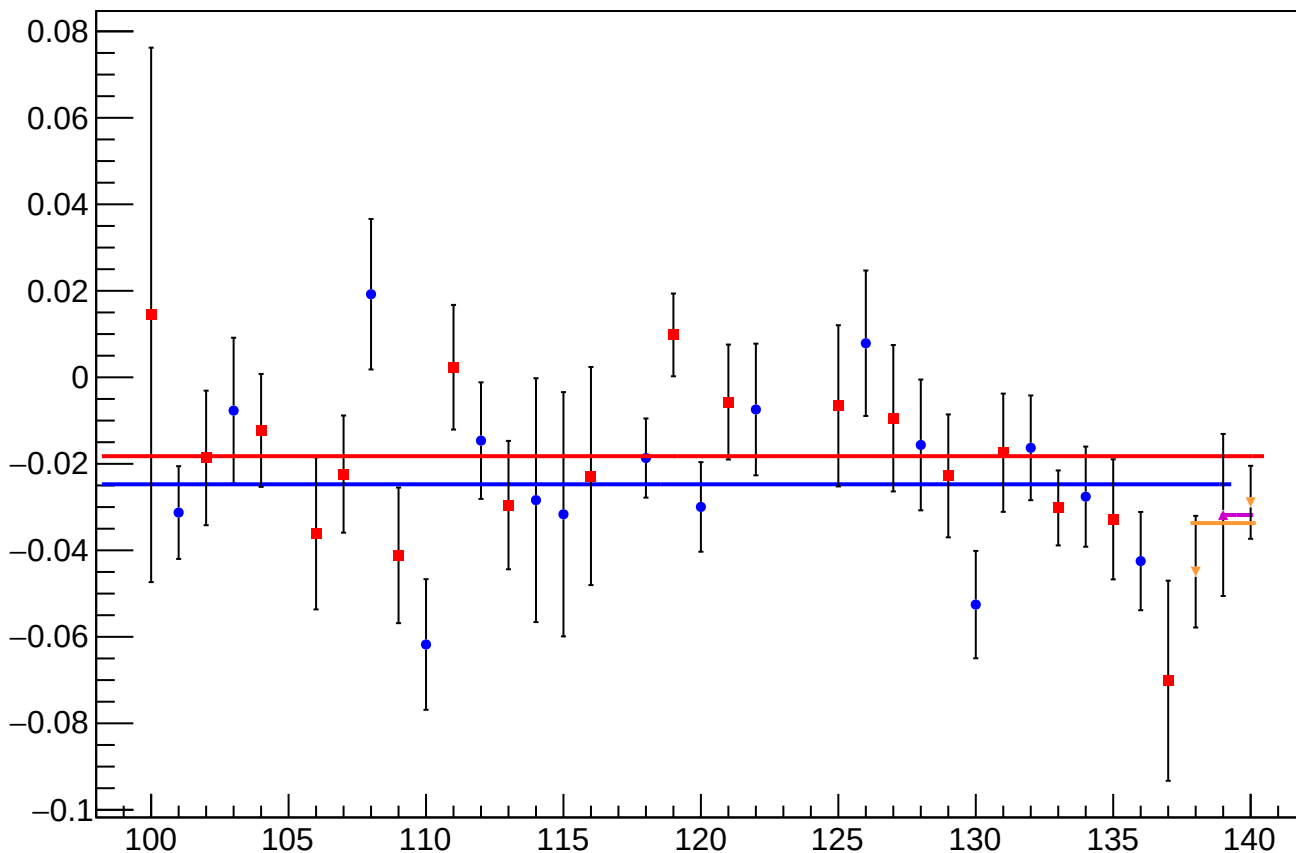
Left In: 0.106 ± 0.010 χ^2/NDF : 0.0/0

+ sign -0.004 ± 0.003 χ^2/NDF : 1022.2/17

All: -0.015 ± 0.002 χ^2/NDF : 2035.9/36

- sign -0.027 ± 0.003 χ^2/NDF : 986.3/18

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.025 ± 0.003 χ^2/NDF : 28.5/15

Left Out: -0.034 ± 0.007 χ^2/NDF : 1.1/1

Right Out: -0.018 ± 0.003 χ^2/NDF : 24.7/17

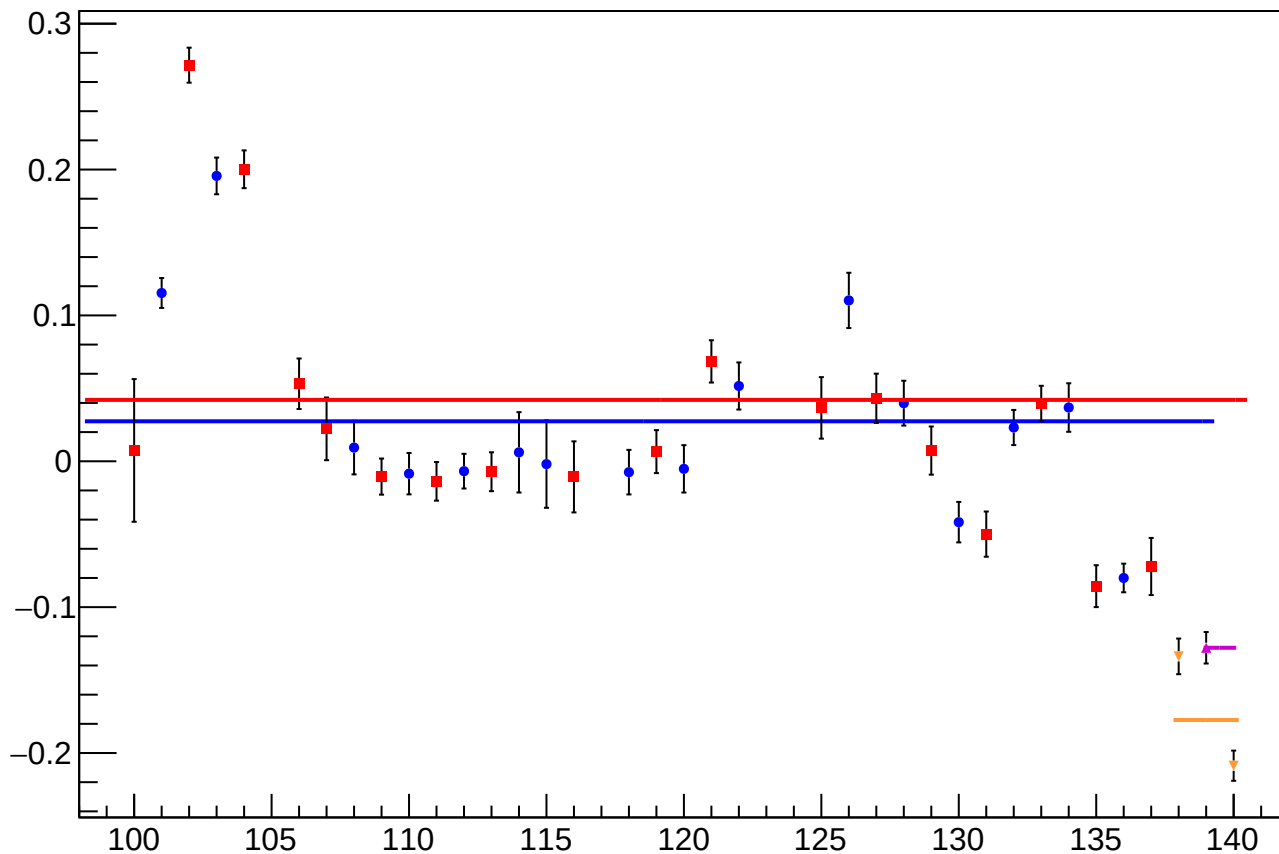
Left In: -0.032 ± 0.019 χ^2/NDF : 0.0/0

+ sign -0.026 ± 0.003 χ^2/NDF : 30.9/17

All: -0.023 ± 0.002 χ^2/NDF : 59.1/36

- sign -0.019 ± 0.003 χ^2/NDF : 25.2/18

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.027 ± 0.004 χ^2/NDF : 446.1/15

Left Out: -0.177 ± 0.008 χ^2/NDF : 21.9/1

Right Out: 0.042 ± 0.004 χ^2/NDF : 733.2/17

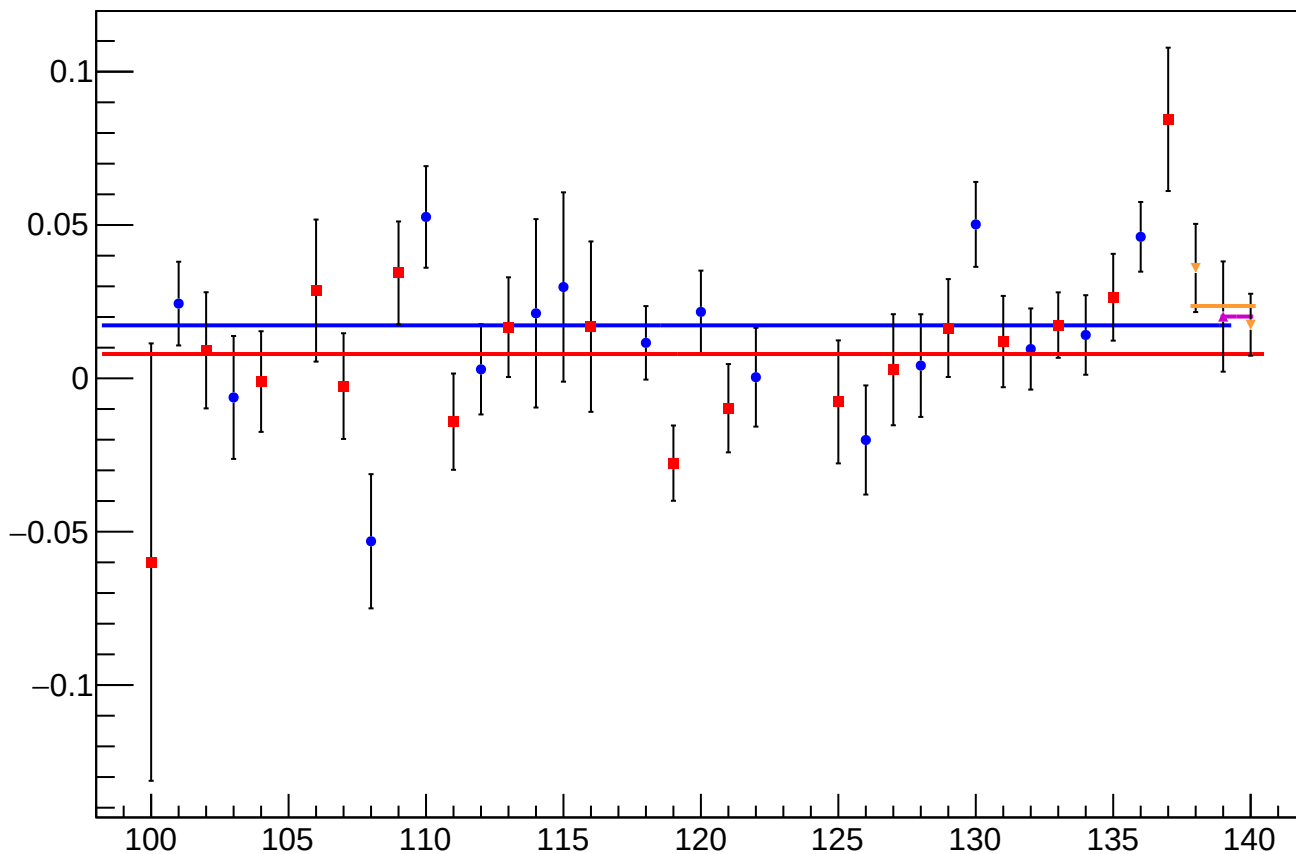
Left In: -0.128 ± 0.011 χ^2/NDF : 0.0/0

+ sign -0.007 ± 0.003 χ^2/NDF : 1025.9/17

All: 0.008 ± 0.002 χ^2/NDF : 2028.0/36

- sign 0.025 ± 0.003 χ^2/NDF : 956.2/18

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.017 $\pm$ 0.004 χ^2 /NDF: 36.7/15

Left Out: 0.024 $\pm$ 0.008 χ^2 /NDF: 1.1/1

Right Out: 0.008 $\pm$ 0.004 χ^2 /NDF: 31.4/17

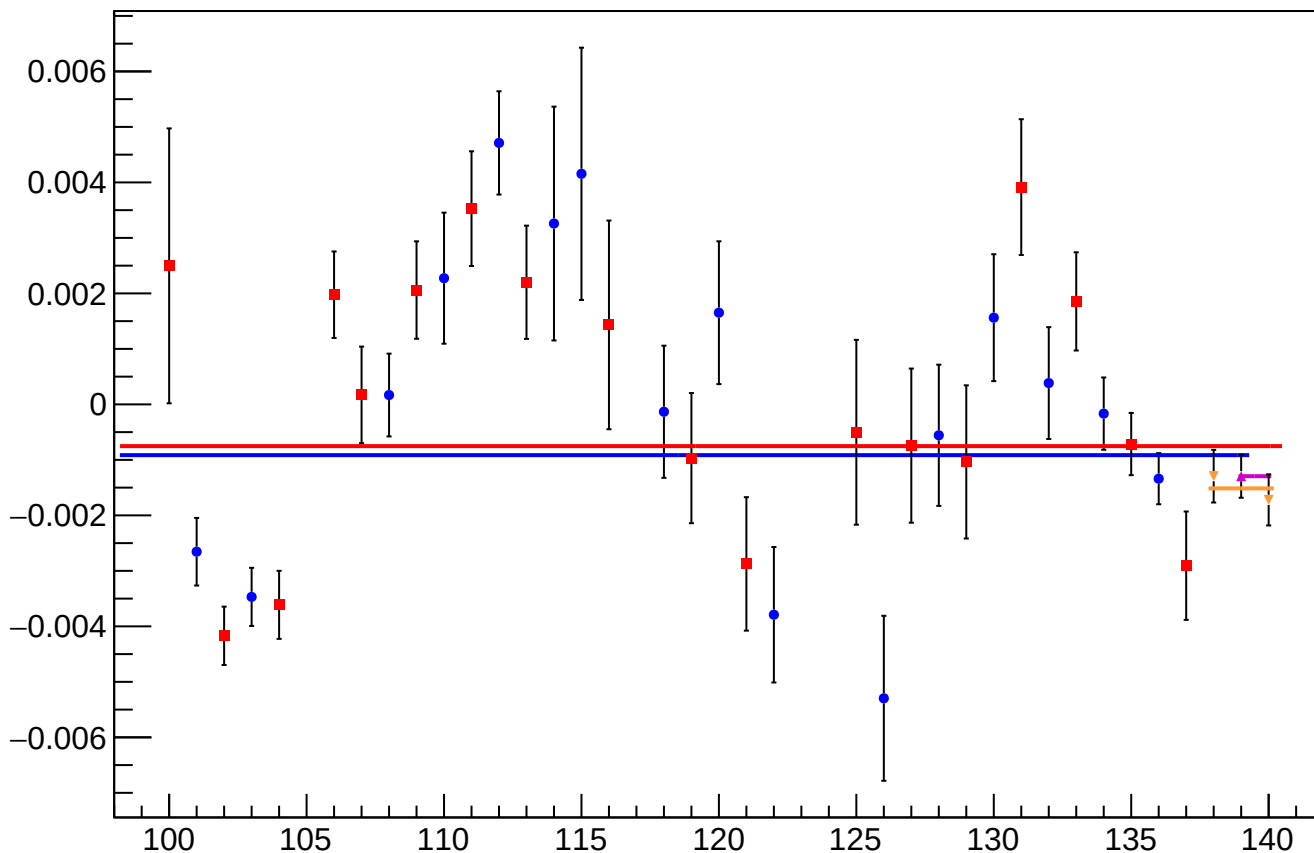
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF: 0.0/0

+ sign 0.018 $\pm$ 0.003 χ^2 /NDF: 38.2/17

All: 0.014 $\pm$ 0.003 χ^2 /NDF: 73.8/36

- sign 0.008 $\pm$ 0.004 χ^2 /NDF: 31.8/18

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.001 ± 0.000 χ^2/NDF : 114.1/15

Left Out: -0.002 ± 0.000 χ^2/NDF : 0.4/1

Right Out: -0.001 ± 0.000 χ^2/NDF : 147.6/17

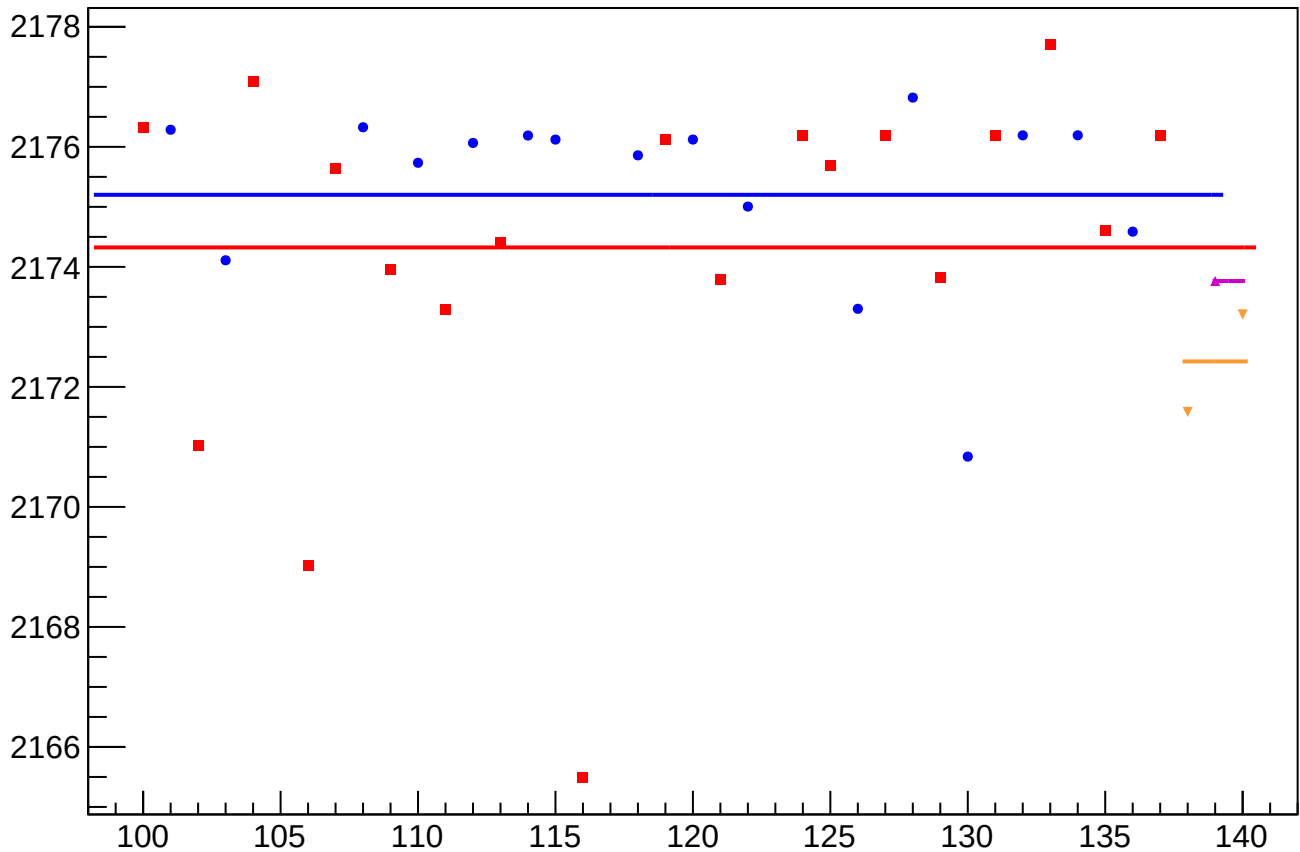
Left In: -0.001 ± 0.000 χ^2/NDF : 0.0/0

+ sign -0.001 ± 0.000 χ^2/NDF : 116.8/17

All: -0.001 ± 0.000 χ^2/NDF : 266.6/36

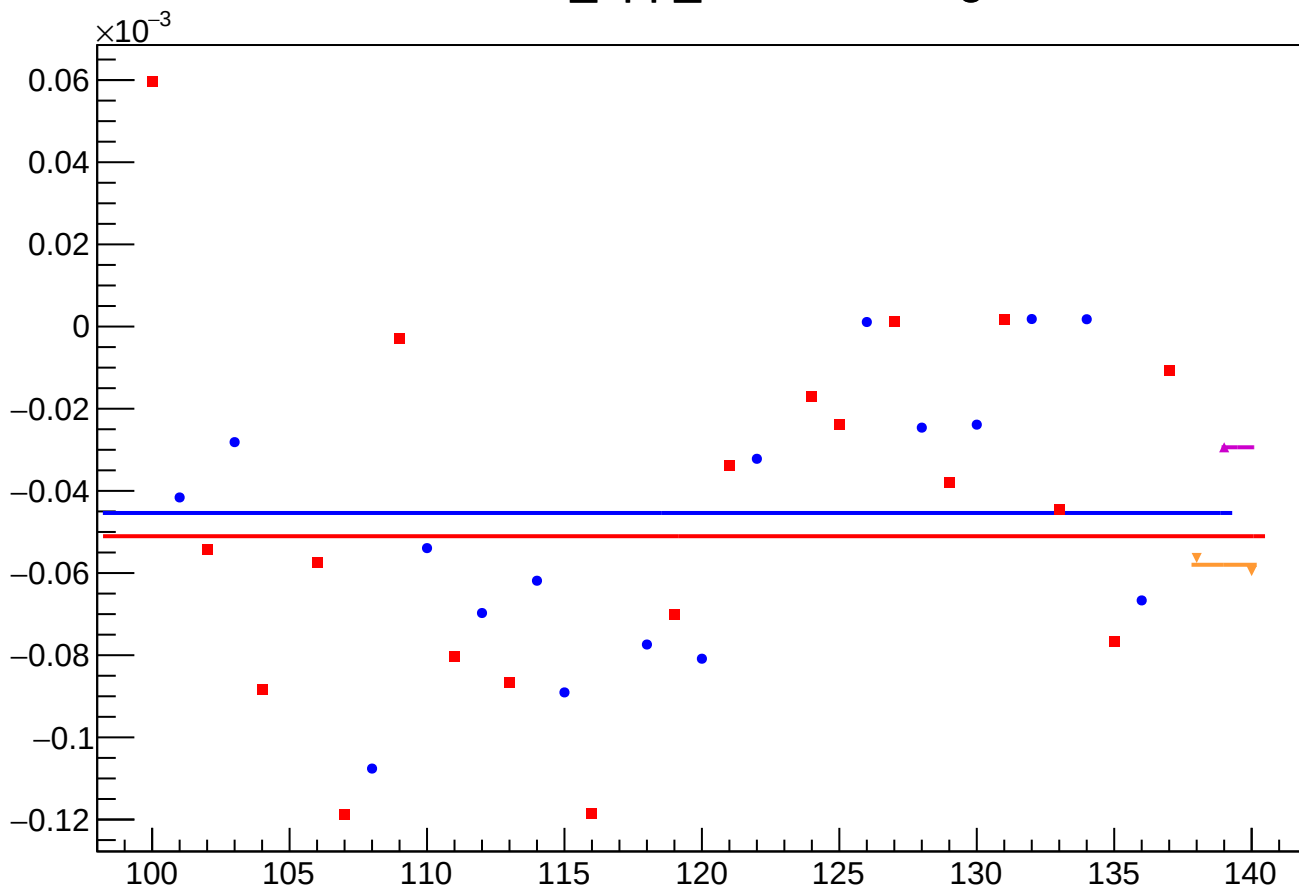
- sign -0.001 ± 0.000 χ^2/NDF : 149.1/18

HALLA_p_mean vs Slug



Right In: 2175.201 $\pm$ 0.000 χ^2 /NDF: 1765724072923660180937051331362816.0/15
 Left Out: 2172.424 $\pm$ 0.000 χ^2 /NDF: 110758899331013360134652004663296.0/1
 Right Out: 2174.324 $\pm$ 0.000 χ^2 /NDF: 5542239415681046928723527201718272.0/18
 Left In: 2173.764 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 + sign 2174.688 $\pm$ 0.000 χ^2 /NDF: 29323889415691
 All: 2174.485 $\pm$ 0.000 χ^2 /NDF: 85754392499
 - sign 2174.268 $\pm$ 0.000 χ^2 /NDF: 55659292512543

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 713132081378122377723904.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 427426513688575082496.0/1

Right Out: -0.000+/-0.000 χ^2/NDF : 1011955910720647101153280.0/18

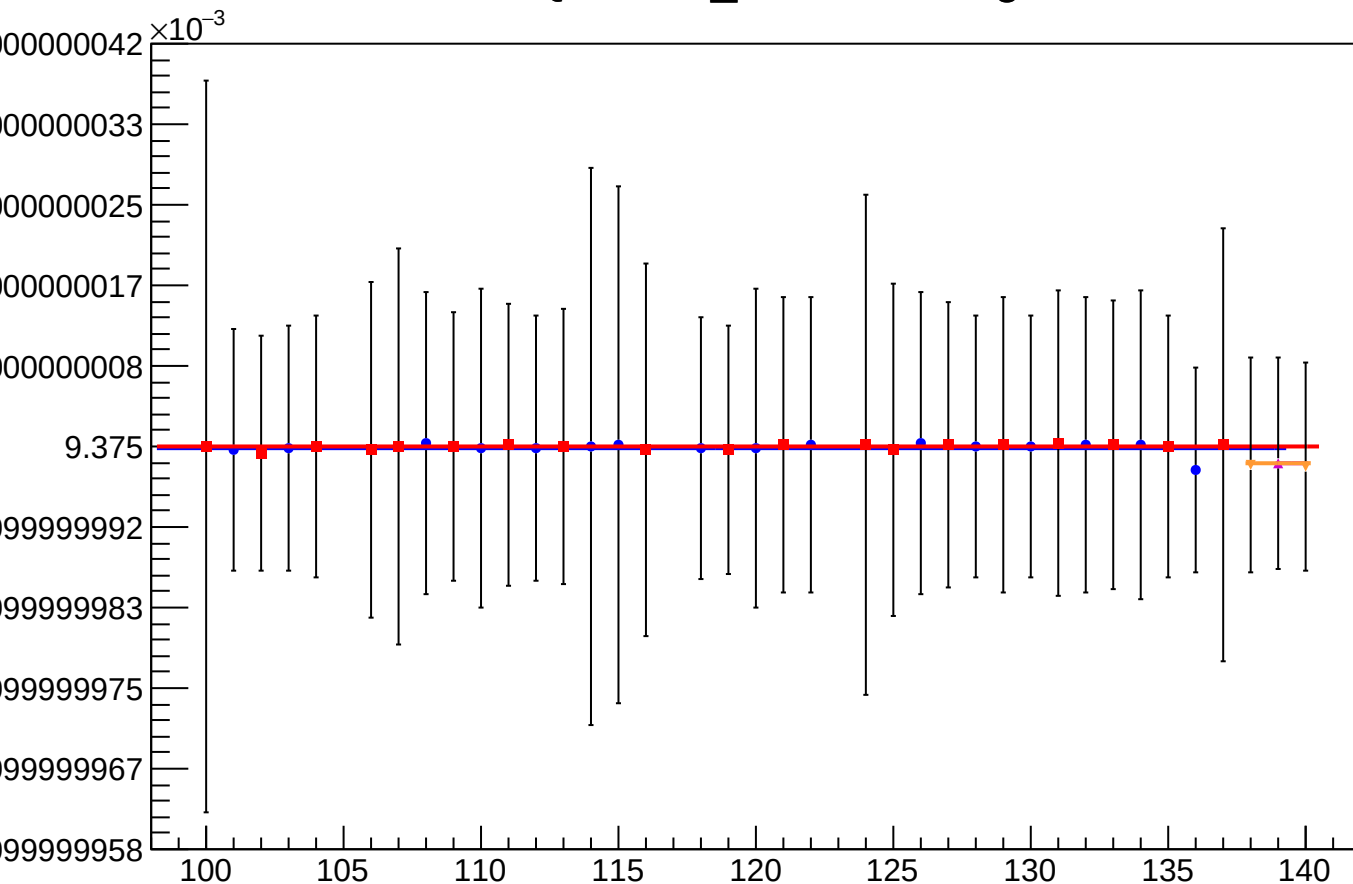
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign -0.000+/-0.000 χ^2/NDF : 7353243605273245

All: -0.000+/-0.000 χ^2/NDF : 1783349849118

- sign -0.000+/-0.000 χ^2/NDF : 10474149332440303

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

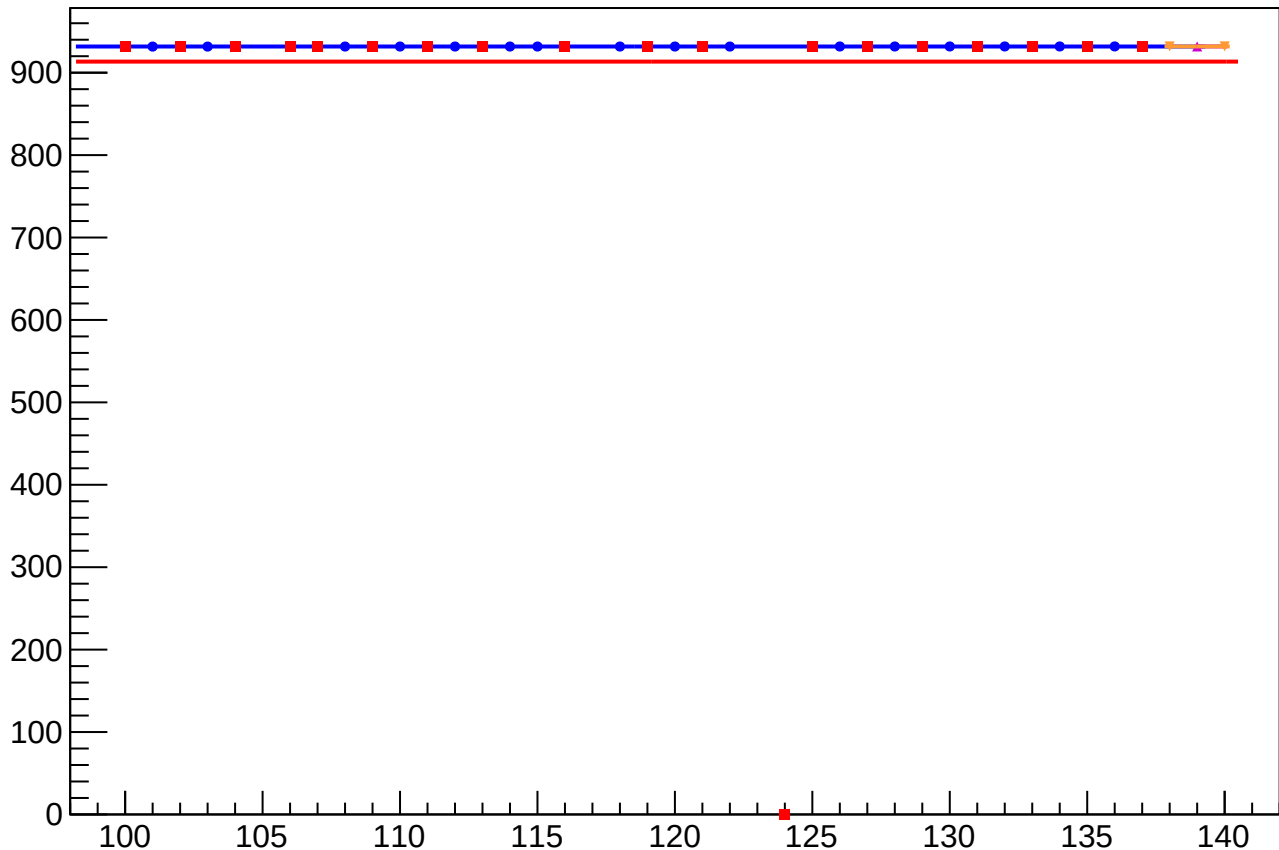
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/37

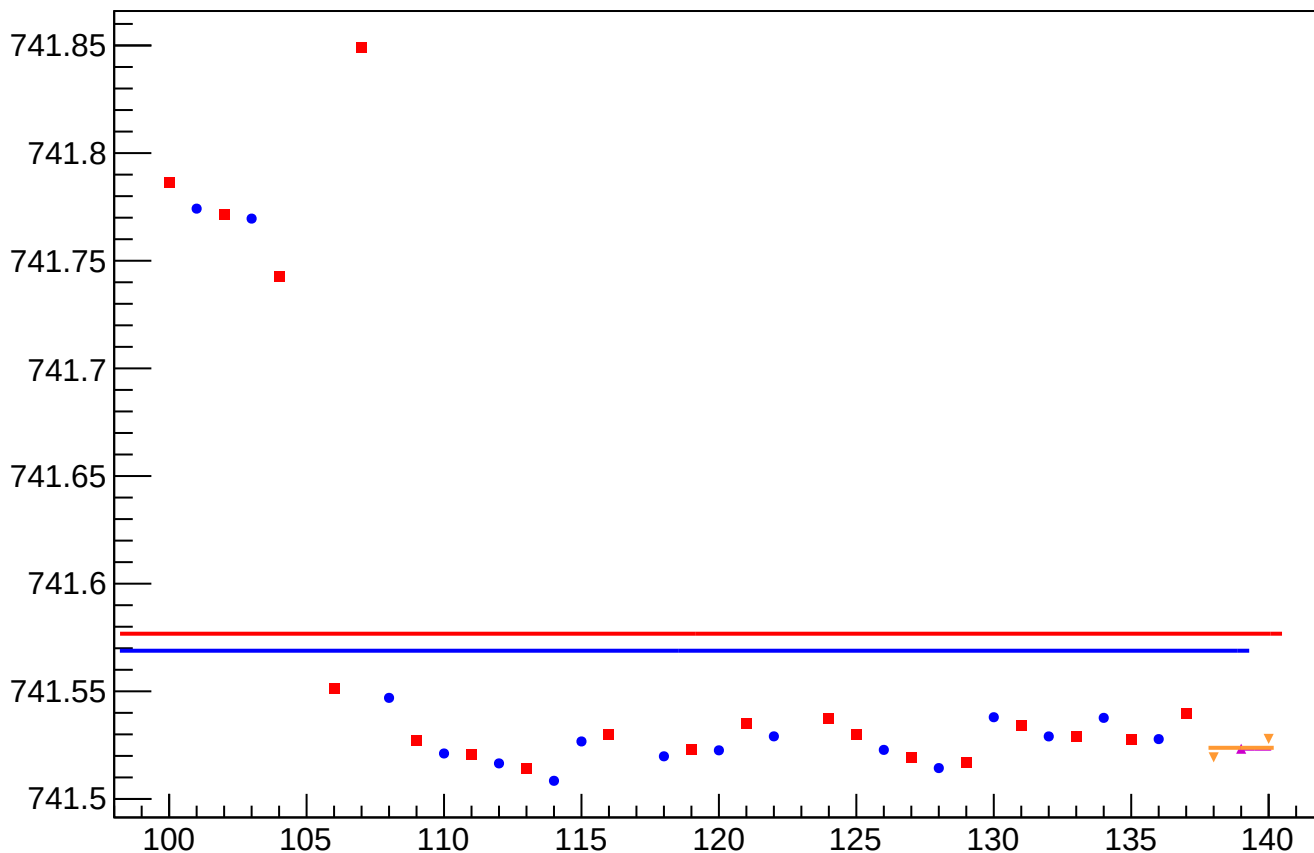
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF : 2757217223595001187167685836800.0/15
Left Out: 931.871+/-0.000 χ^2/NDF : 12227965787094242730388226048.0/1
Right Out: 913.447+/-0.000 χ^2/NDF : 12765879635094435683491886518824337408.0/18
Left In: 931.868+/-0.000 χ^2/NDF : 0.0/0
+ sign 931.788+/-0.000 χ^2/NDF : 419651451634419
All: 923.822+/-0.000 χ^2/NDF : 129111345306
- sign 915.274+/-0.000 χ^2/NDF : 127915575238980

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF : 6432951176127947061938899386368.0/15

Left Out: 741.524+/-0.000 χ^2/NDF : 3085504556134318148543315968.0/1

Right Out: 741.577+/-0.000 χ^2/NDF : 7692263947892614711537477615616.0/18

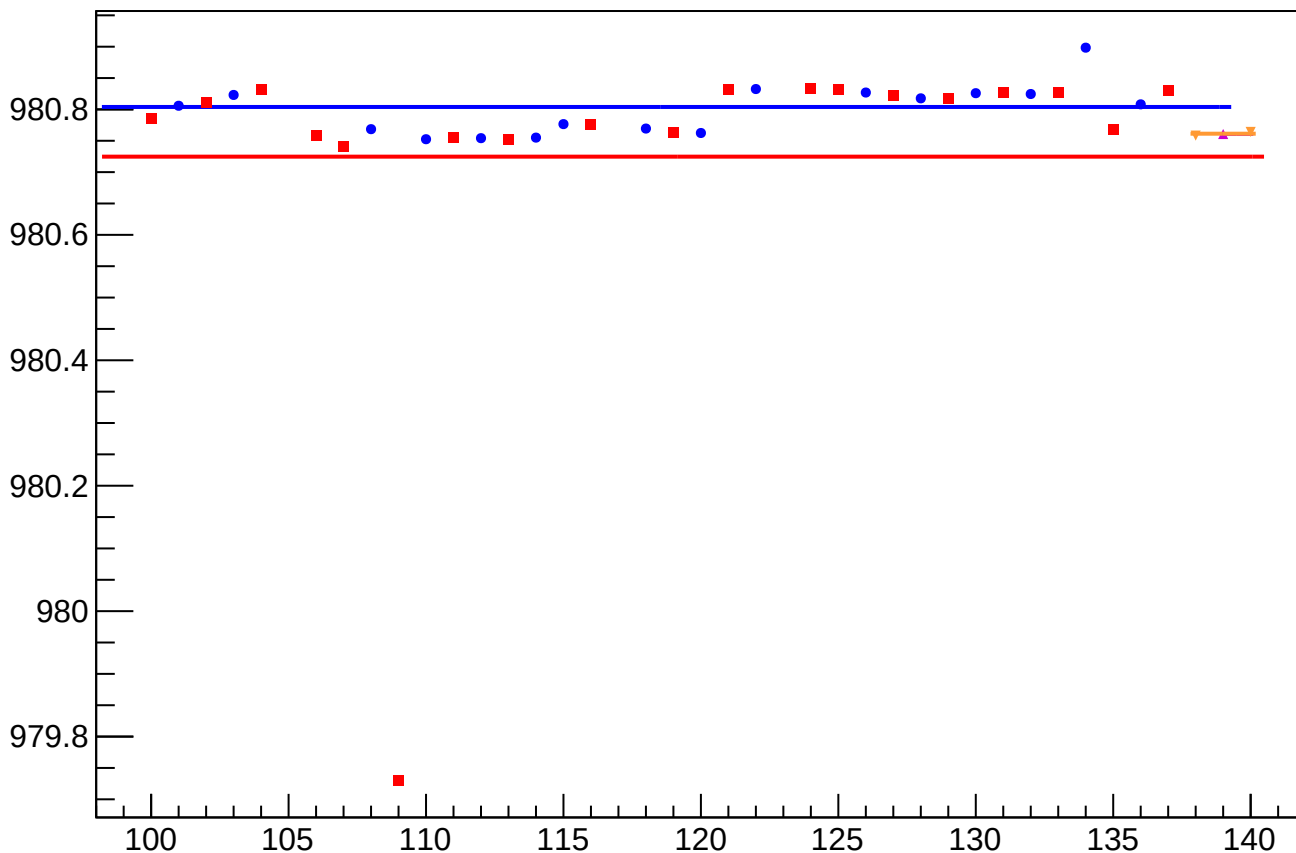
Left In: 741.523+/-0.000 χ^2/NDF : 0.0/0

+ sign 741.561+/-0.000 χ^2/NDF : 671448242647920

All: 741.566+/-0.000 χ^2/NDF : 146751379652

- sign 741.571+/-0.000 χ^2/NDF : 790820276941942

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF : 933313276884807786774245933056.0/15

Left Out: 980.761+/-0.000 χ^2/NDF : 1447455080100060523032215552.0/1

Right Out: 980.725+/-0.000 χ^2/NDF : 56040205617358336221662876270592.0/18

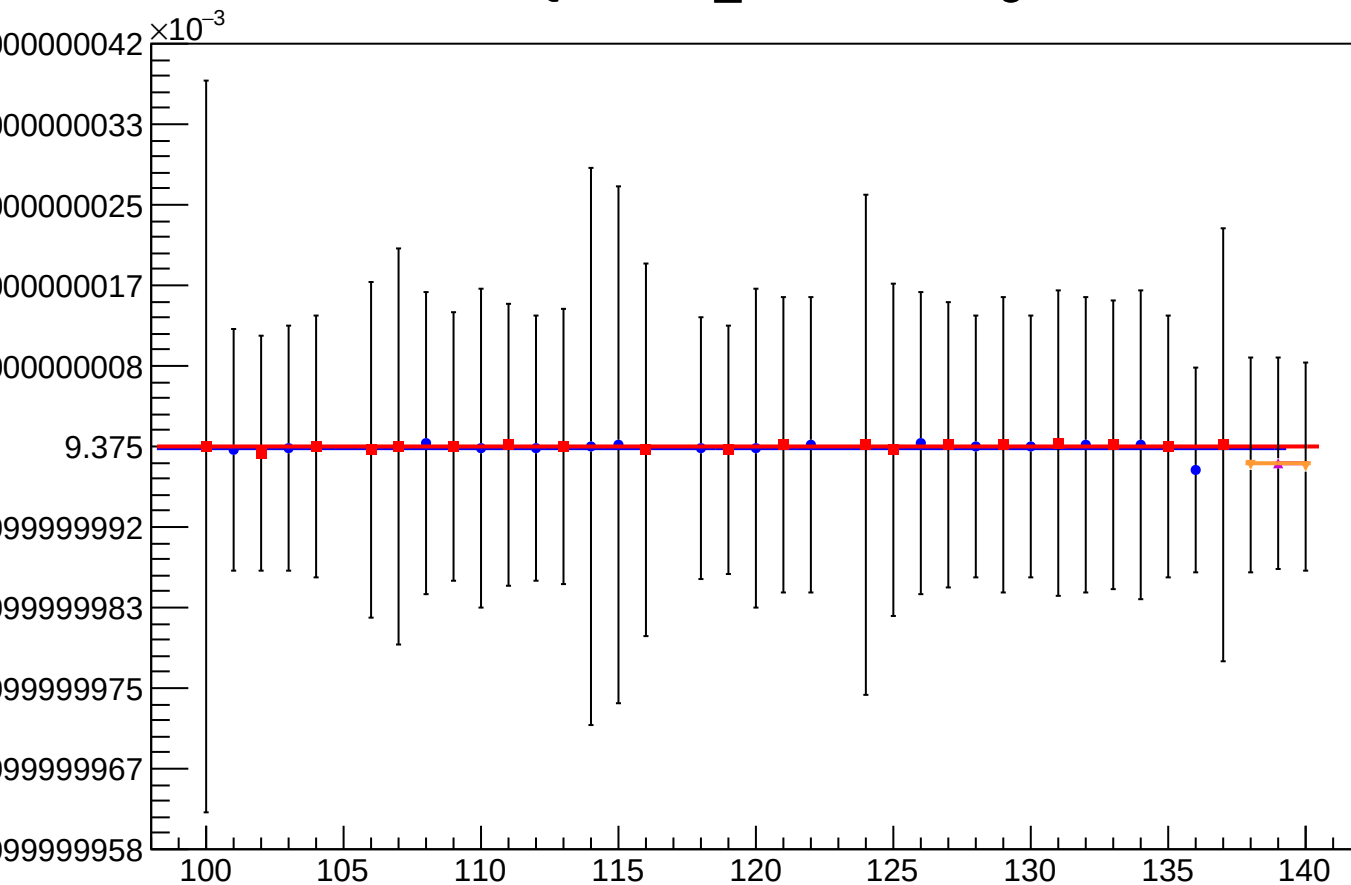
Left In: 980.761+/-0.000 χ^2/NDF : 0.0/0

+ sign 980.796+/-0.000 χ^2/NDF : 118366611129870

All: 980.763+/-0.000 χ^2/NDF : 593356297780

- sign 980.728+/-0.000 χ^2/NDF : 561387894129214

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

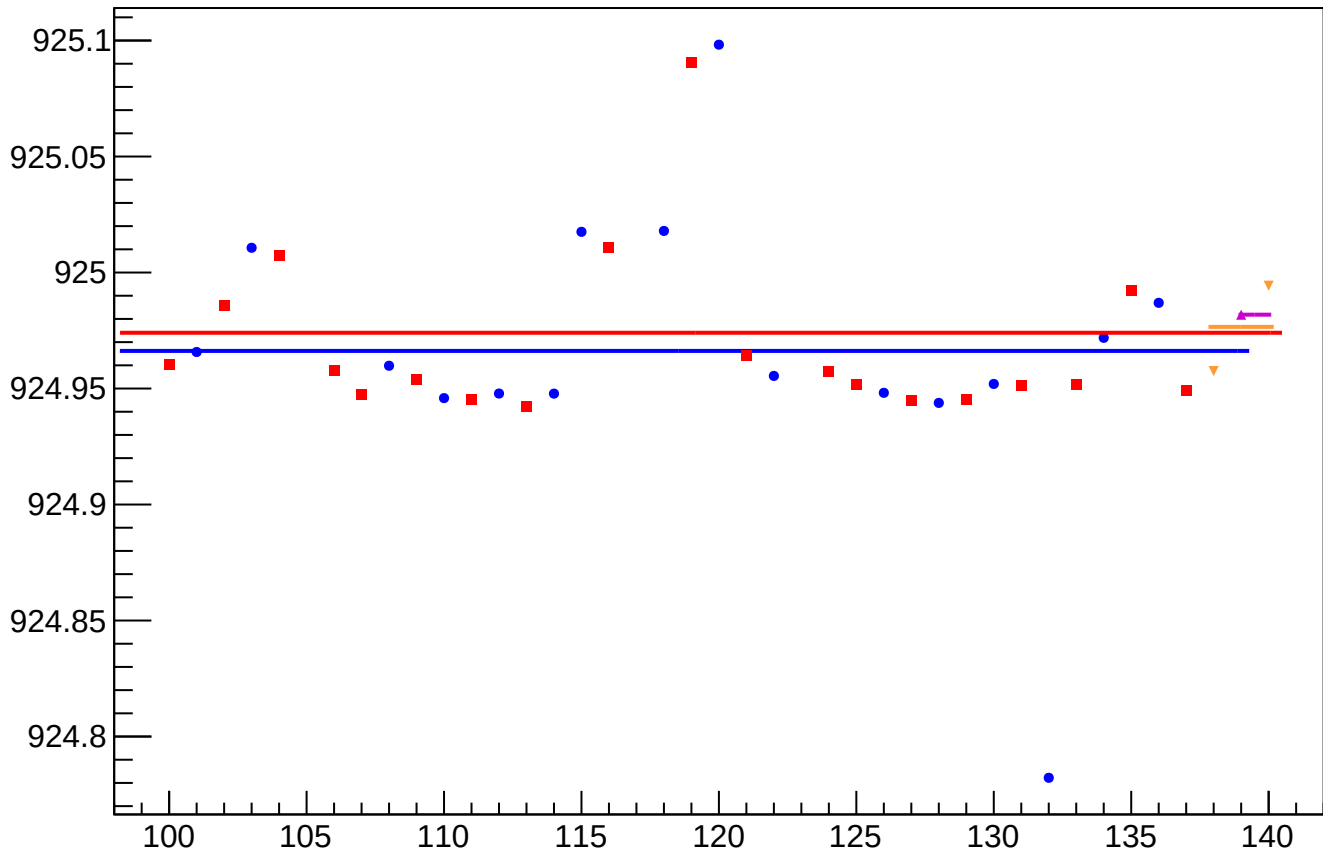
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF : 2544370508087658800533037121536.0/15

Left Out: 924.977+/-0.000 χ^2/NDF : 56791550447760234926261141504.0/1

Right Out: 924.974+/-0.000 χ^2/NDF : 1241981521116890900236351832064.0/18

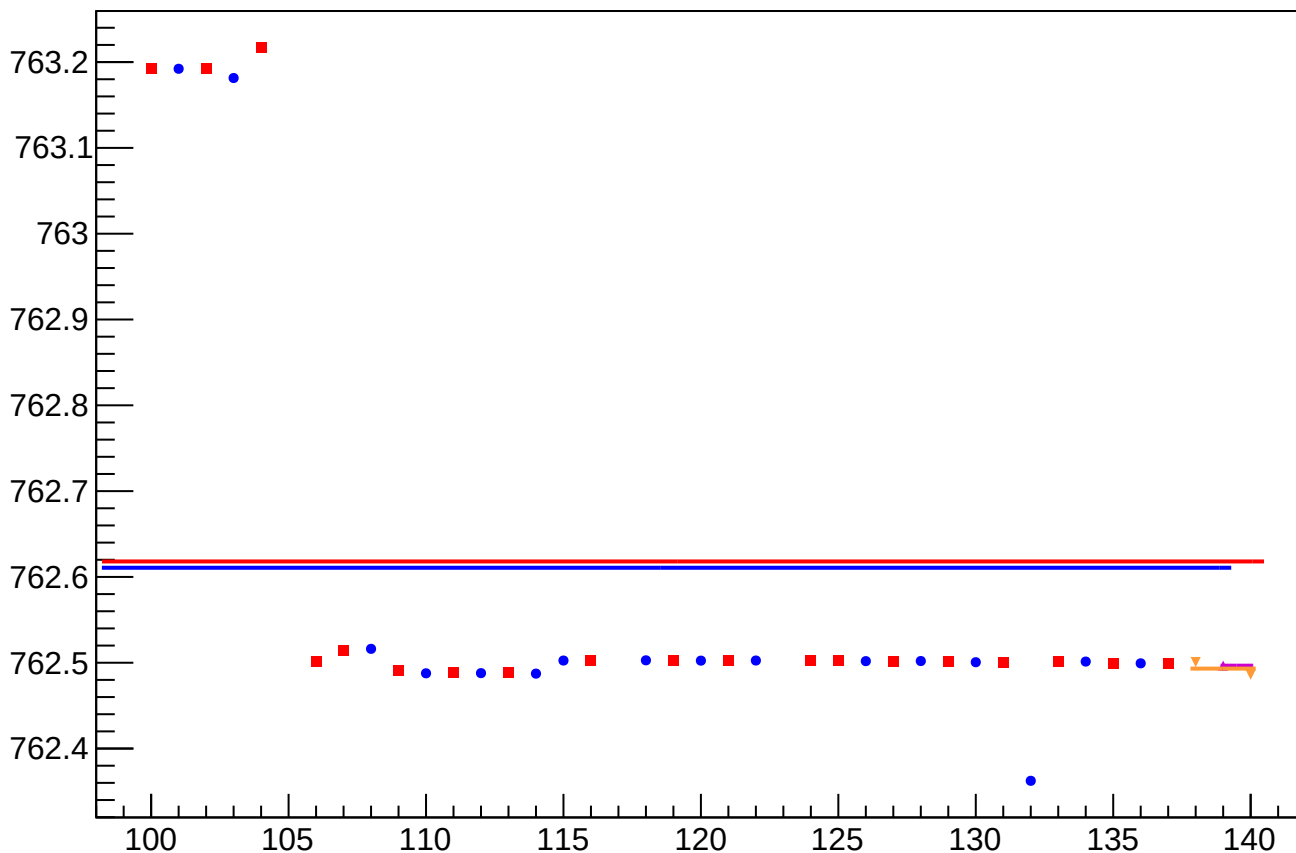
Left In: 924.982+/-0.000 χ^2/NDF : 0.0/0

+ sign 924.968+/-0.000 χ^2/NDF : 261588038146317

All: 924.971+/-0.000 χ^2/NDF : 388204602146

- sign 924.975+/-0.000 χ^2/NDF : 124657213742774

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000

χ^2/NDF : 52161453489138778834460408283136.0/15

Left Out: 762.493+/-0.000

χ^2/NDF : 9148865227888841455147417600.0/1

Right Out: 762.618+/-0.000

χ^2/NDF : 53134338532630395841297843748864.0/18

Left In: 762.497+/-0.000

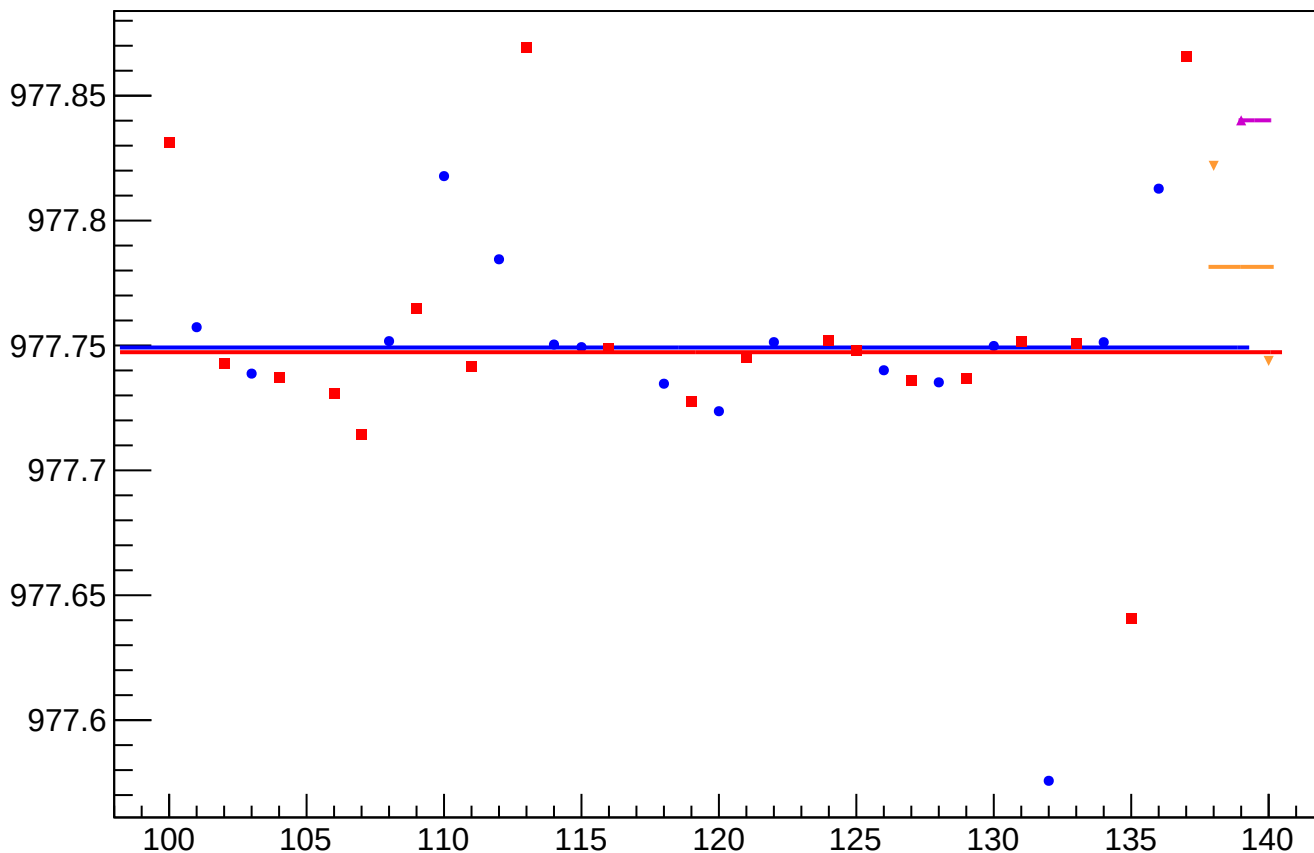
χ^2/NDF : 0.0/0

+ sign 762.589+/-0.000 χ^2/NDF : 540623718971024

All: 762.597+/-0.000 χ^2/NDF : 108440350723

- sign 762.606+/-0.000 χ^2/NDF : 542509343812708

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF : 1959578331072316074448224518144.0/15

Left Out: 977.781+/-0.000 χ^2/NDF : 255844085201462426161236672512.0/1

Right Out: 977.747+/-0.000 χ^2/NDF : 1782226877816914726327966236672.0/18

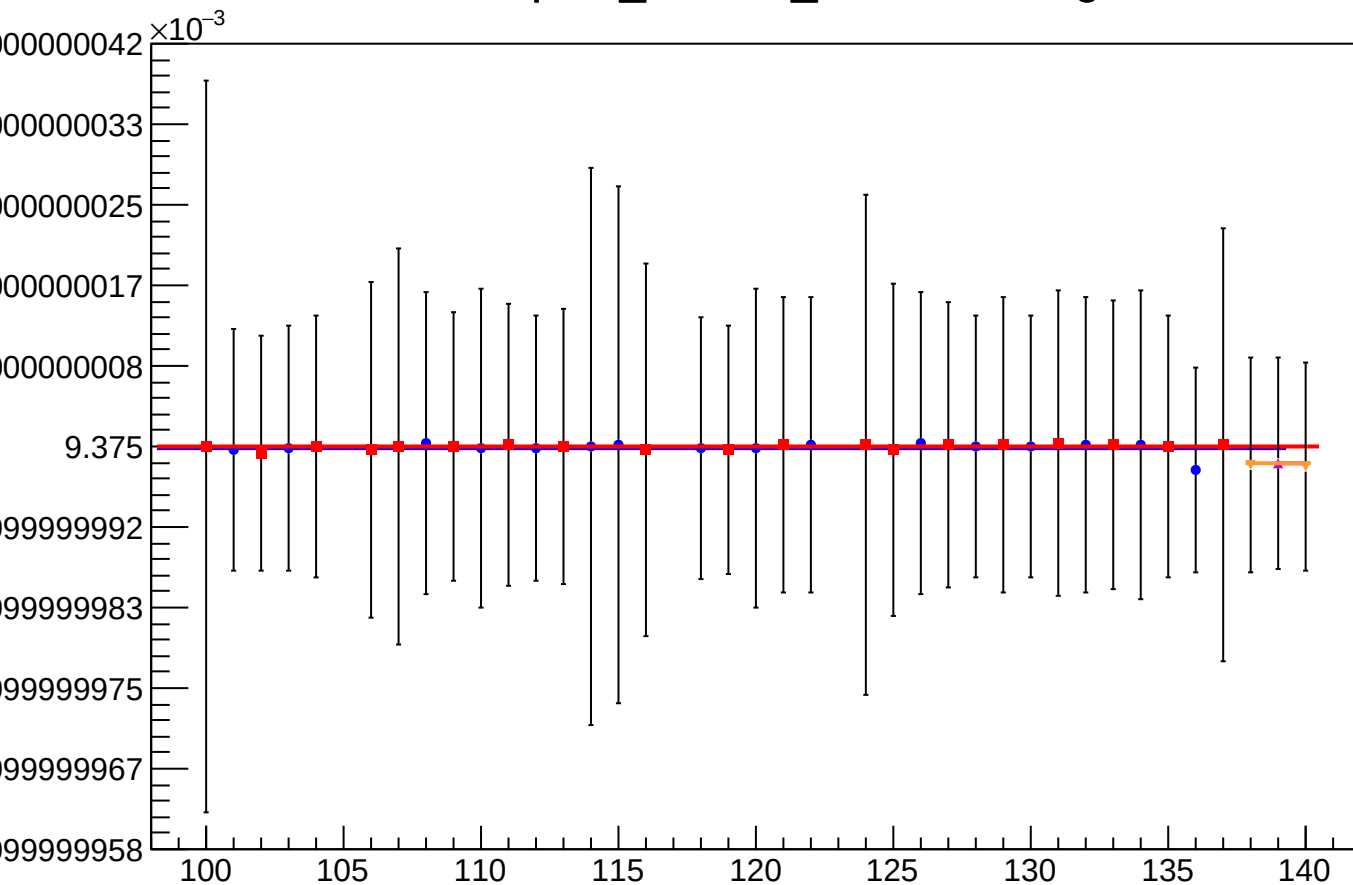
Left In: 977.840+/-0.000 χ^2/NDF : 0.0/0

+ sign 977.755+/-0.000 χ^2/NDF : 235808156241482

All: 977.756+/-0.000 χ^2/NDF : 479321275427

- sign 977.757+/-0.000 χ^2/NDF : 243432861247767

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

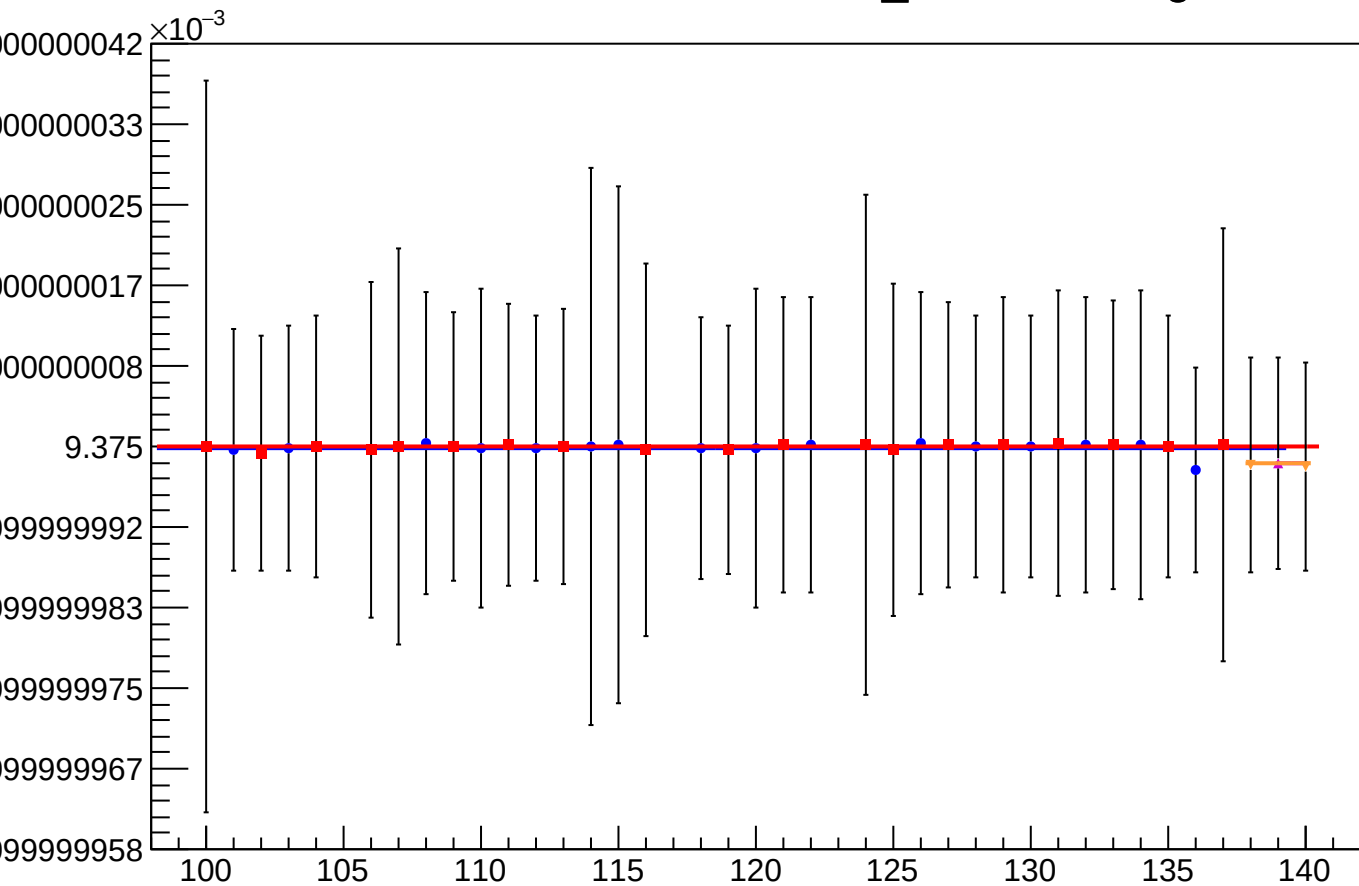
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

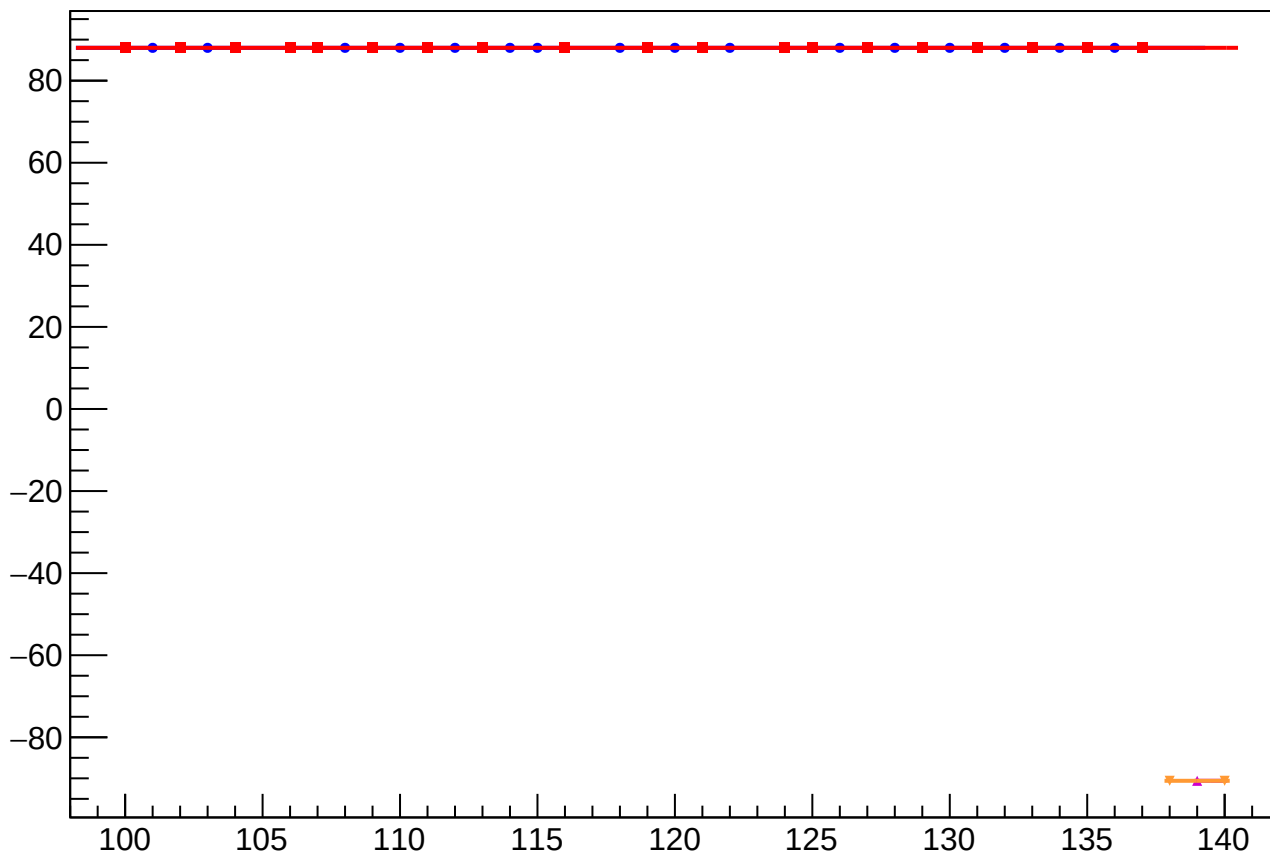
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1500072.7/15

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 70278.0/1

Right Out: 88.003 $\pm$ 0.000 χ^2 /NDF: 73227058941379664360176091136.0/18

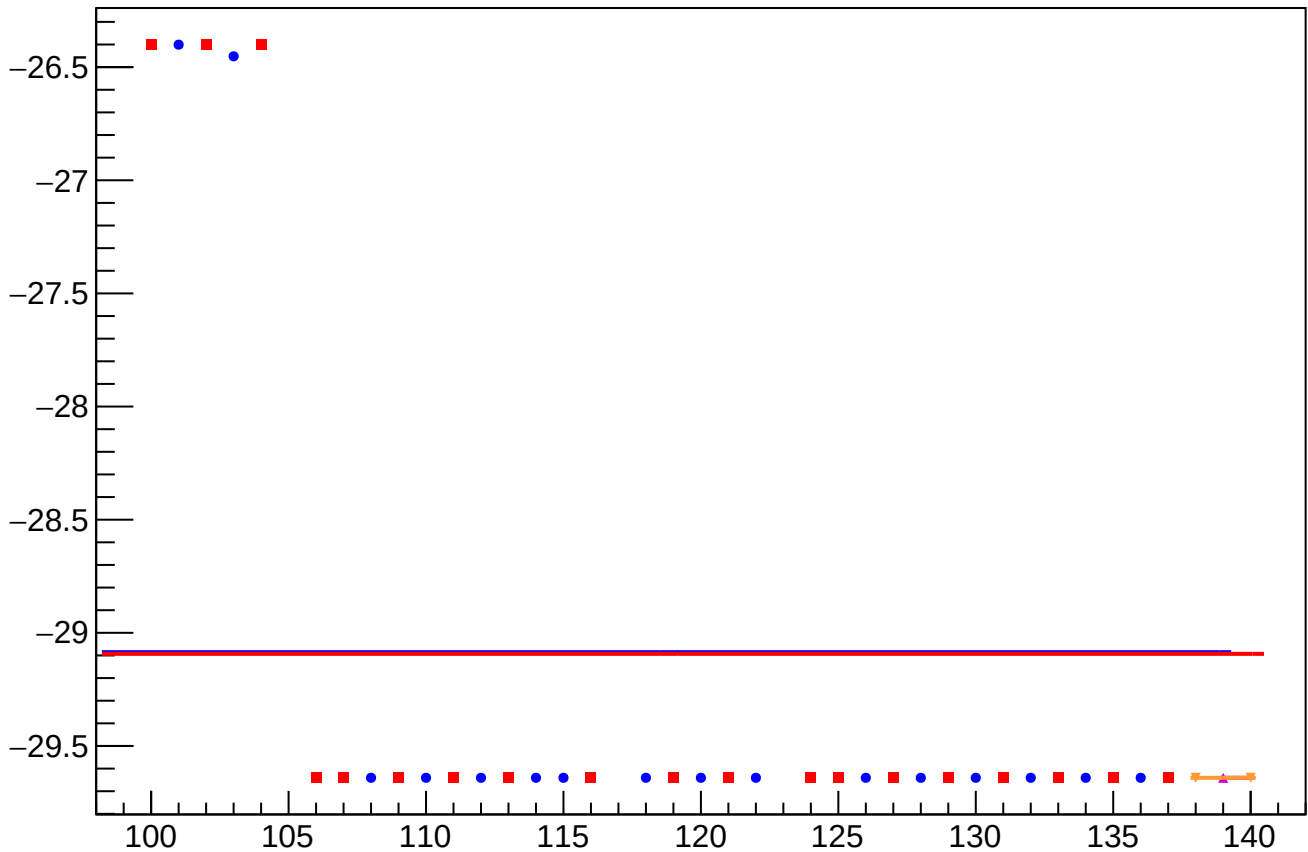
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 54.992 $\pm$ 0.000 χ^2 /NDF: 4368441413069302

All: 62.371 $\pm$ 0.000 χ^2 /NDF: 6884833625168

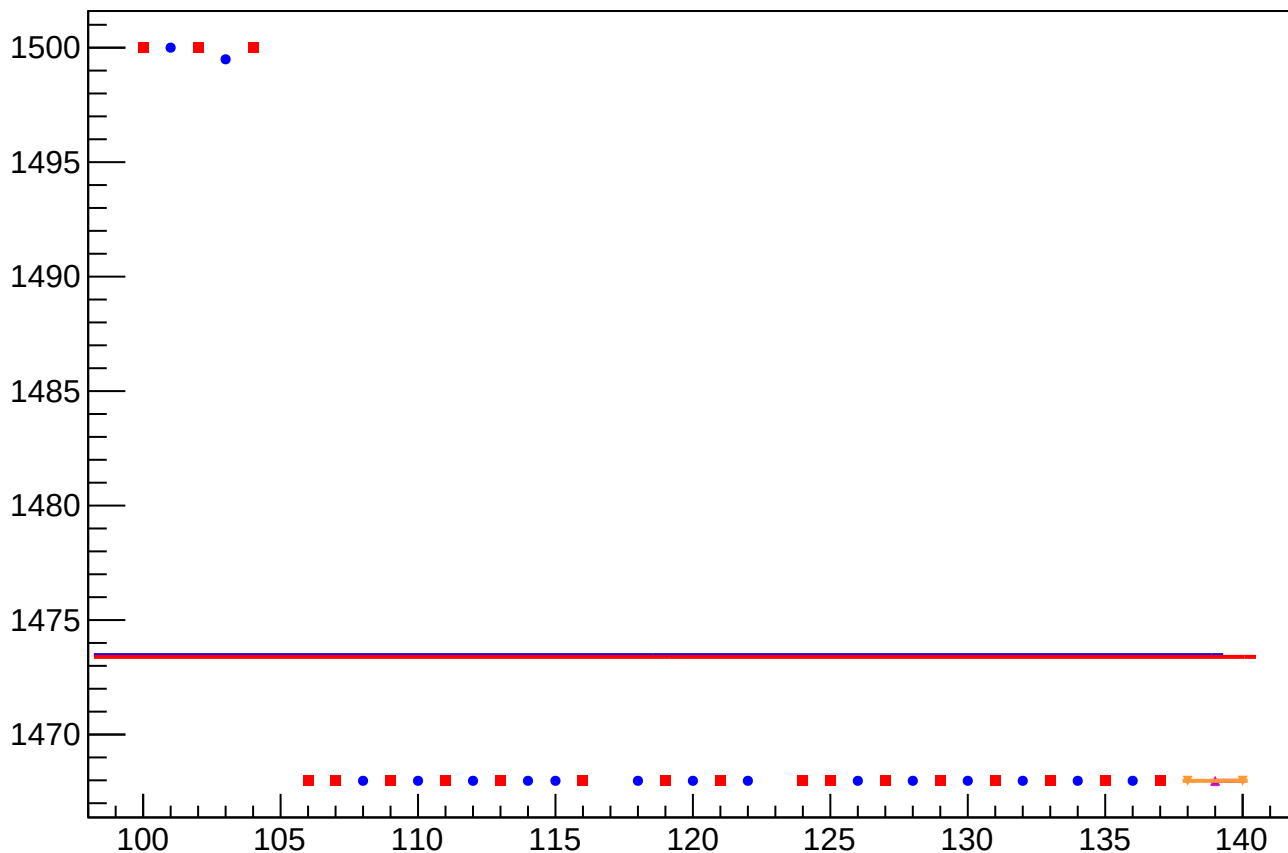
- sign 70.291 $\pm$ 0.000 χ^2 /NDF: 2413773330352884

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF : 1094367885251609877355036411953152.0/15
 Left Out: -29.641+/-0.000 χ^2/NDF : 2120.5/1
 Right Out: -29.093+/-0.000 χ^2/NDF : 1125238156749692849797805899776000.0/18
 Left In: -29.641+/-0.000 χ^2/NDF : 0.0/0
 + sign -29.188+/-0.000 χ^2/NDF : 113659823253183
 All: -29.168+/-0.000 χ^2/NDF : 228527176205
 - sign -29.147+/-0.000 χ^2/NDF : 1147944164344762

psub_pl_pos_mean vs Slug



Right In: 1473.467+/-0.000 χ^2/NDF : 106894194860706176878485793704771584.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF : 55679595.0/1

Right Out: 1473.393+/-0.000 χ^2/NDF : 109909499733401078761067843300622336.0/18

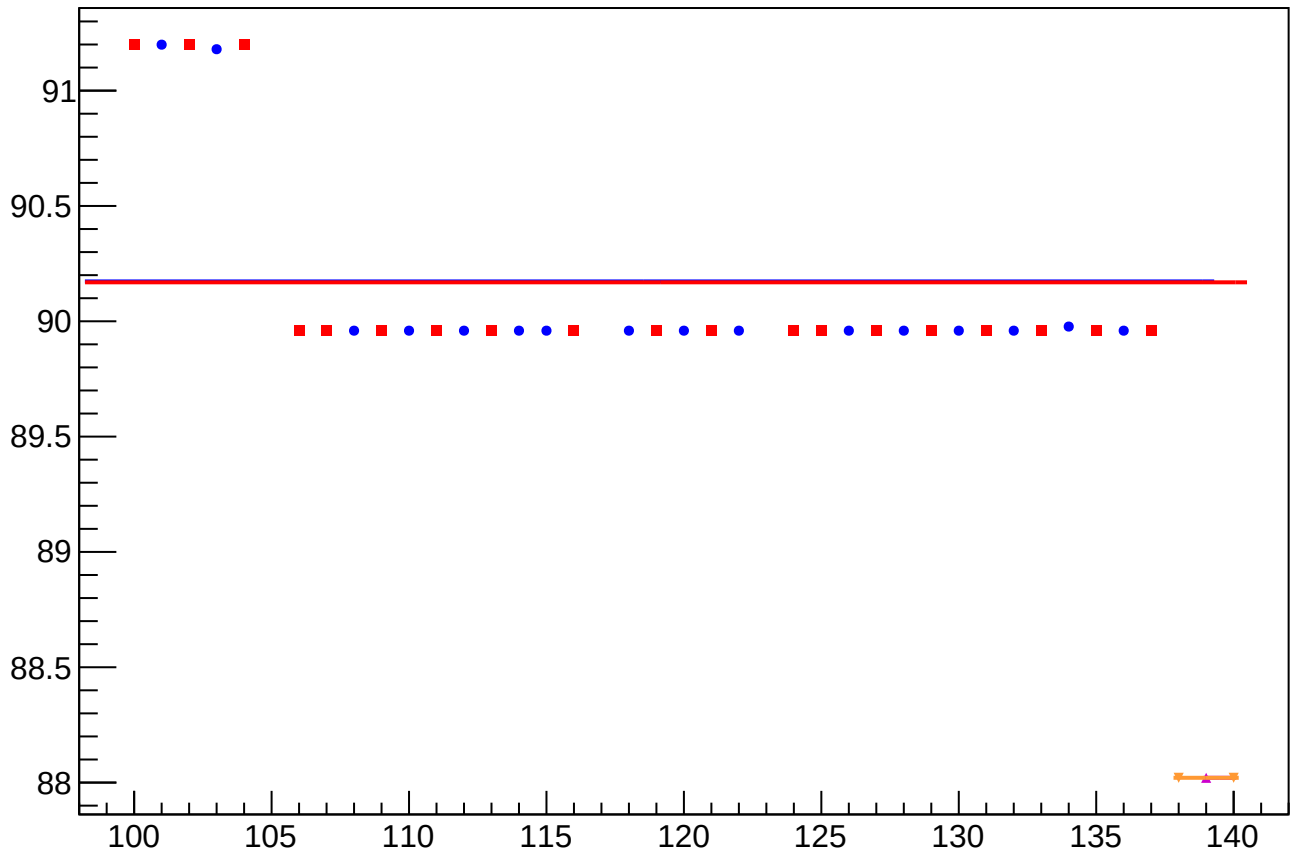
Left In: 1467.979+/-0.000 χ^2/NDF : 0.0/0

+ sign 1472.453+/-0.000 χ^2/NDF : 11101911394143.0/18

All: 1472.648+/-0.000 χ^2/NDF : 22321770250.0/18

- sign 1472.856+/-0.000 χ^2/NDF : 11212734661385.0/18

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF : 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF : 33927.3/1

Right Out: 90.169+/-0.000 χ^2/NDF : 164815404456112641329707295440896.0/18

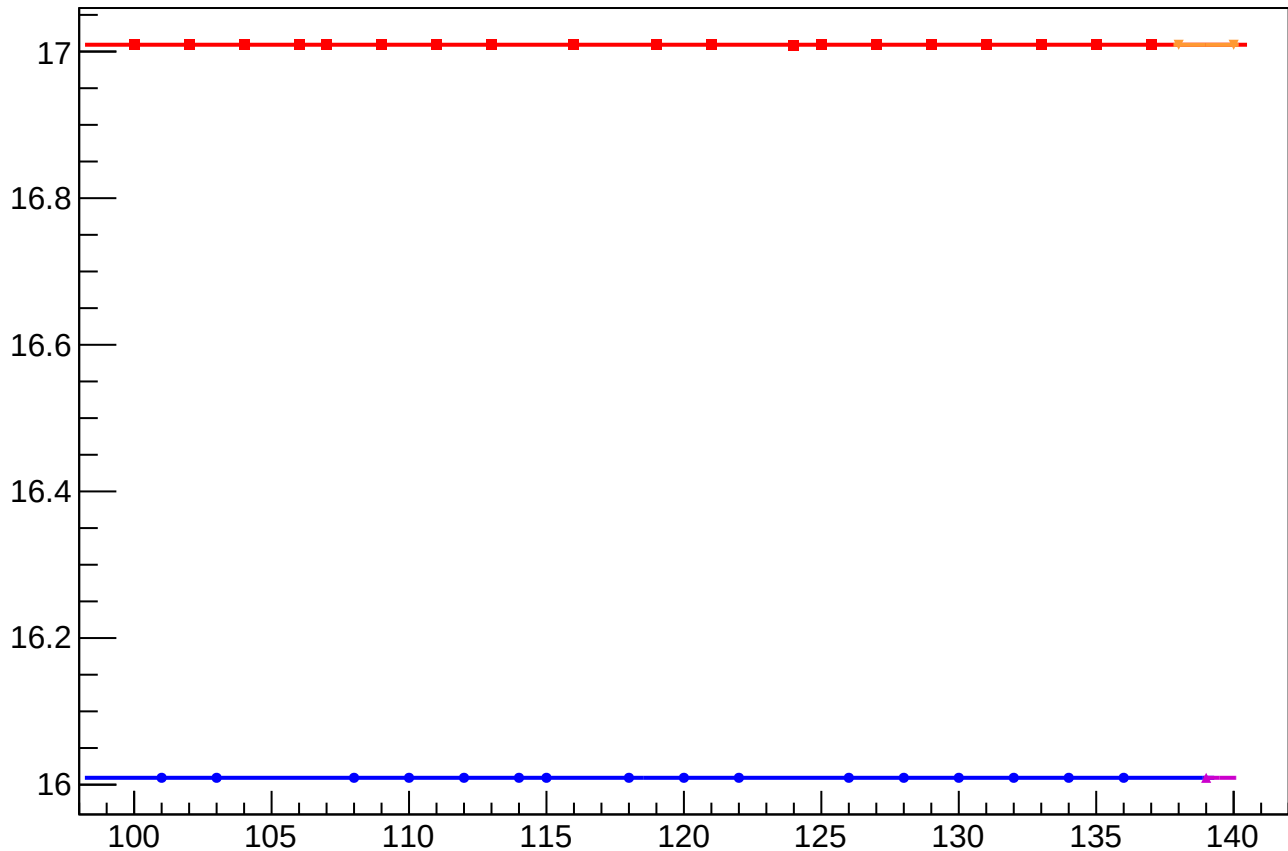
Left In: 88.021+/-0.000 χ^2/NDF : 0.0/0

+ sign 89.775+/-0.000 χ^2/NDF : 7942742956641445

All: 89.862+/-0.000 χ^2/NDF : 1322643713035

- sign 89.956+/-0.000 χ^2/NDF : 5140248356782428

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 : 15360085914458320273408.0/1

Right Out: 17.009+/-0.000 χ^2/NDF : 13878987313036743260766208.0/18

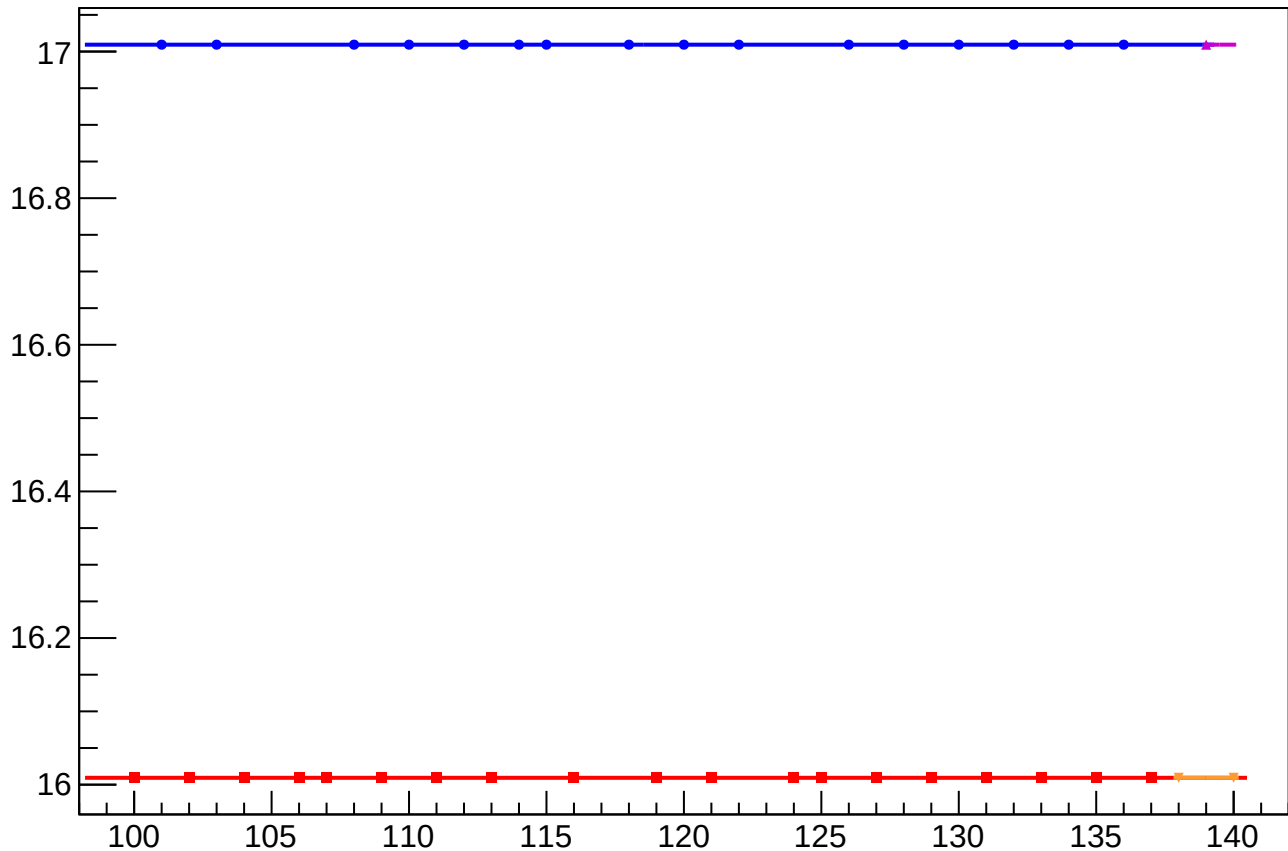
Left In: 16.009+/-0.000 χ^2/NDF : 0.0/0

+ sign 16.184+/-0.000 χ^2/NDF : 1228706262722611

All: 16.527+/-0.000 χ^2/NDF : 4064339563692

- sign 16.901+/-0.000 χ^2/NDF : 7490541989376849

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 : 10905.2/1

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

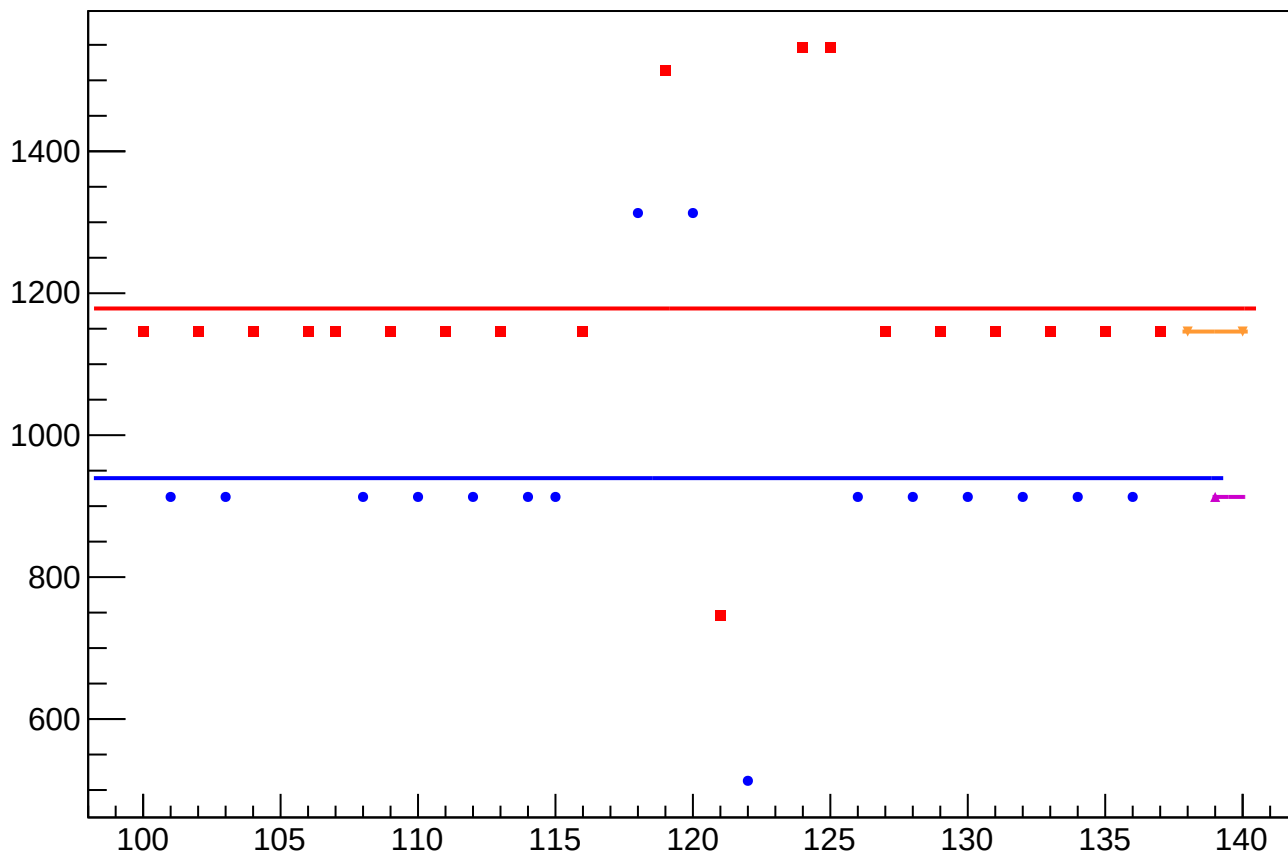
Left In: 17.009+/-0.000 χ^2/NDF : 0.0/0

+ sign 16.817+/-0.000 χ^2/NDF : 13574400000000003

All: 16.470+/-0.000 χ^2/NDF : 4268084982537

- sign 16.109+/-0.000 χ^2/NDF : 7562989323842833

RTPAPOSUCNT_mean vs Slug



Right In: 939.446+/-0.000 χ^2/NDF : 21082933856092788763552768673189986304.0/15

Left Out: 1146.014+/-0.000 χ^2/NDF : 33415015797523898177683456.0/1

Right Out: 1178.513+/-0.000 χ^2/NDF : 22140259958123277565481106114837741568.0/18

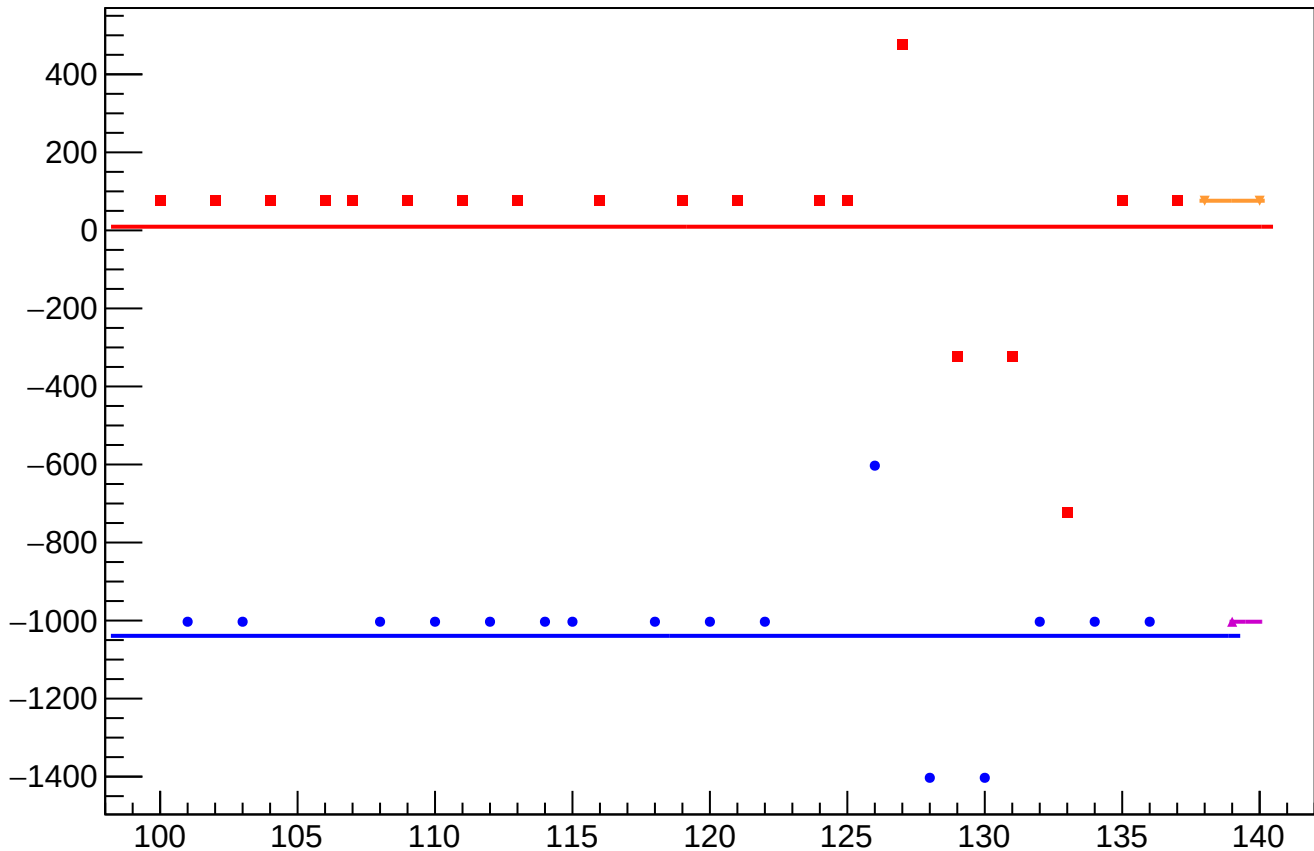
Left In: 912.991+/-0.000 χ^2/NDF : 0.0/0

All: 1061.820+/-0.000 χ^2/NDF : 67761424260

+ sign 977.624+/-0.000 χ^2/NDF : 269266330930601

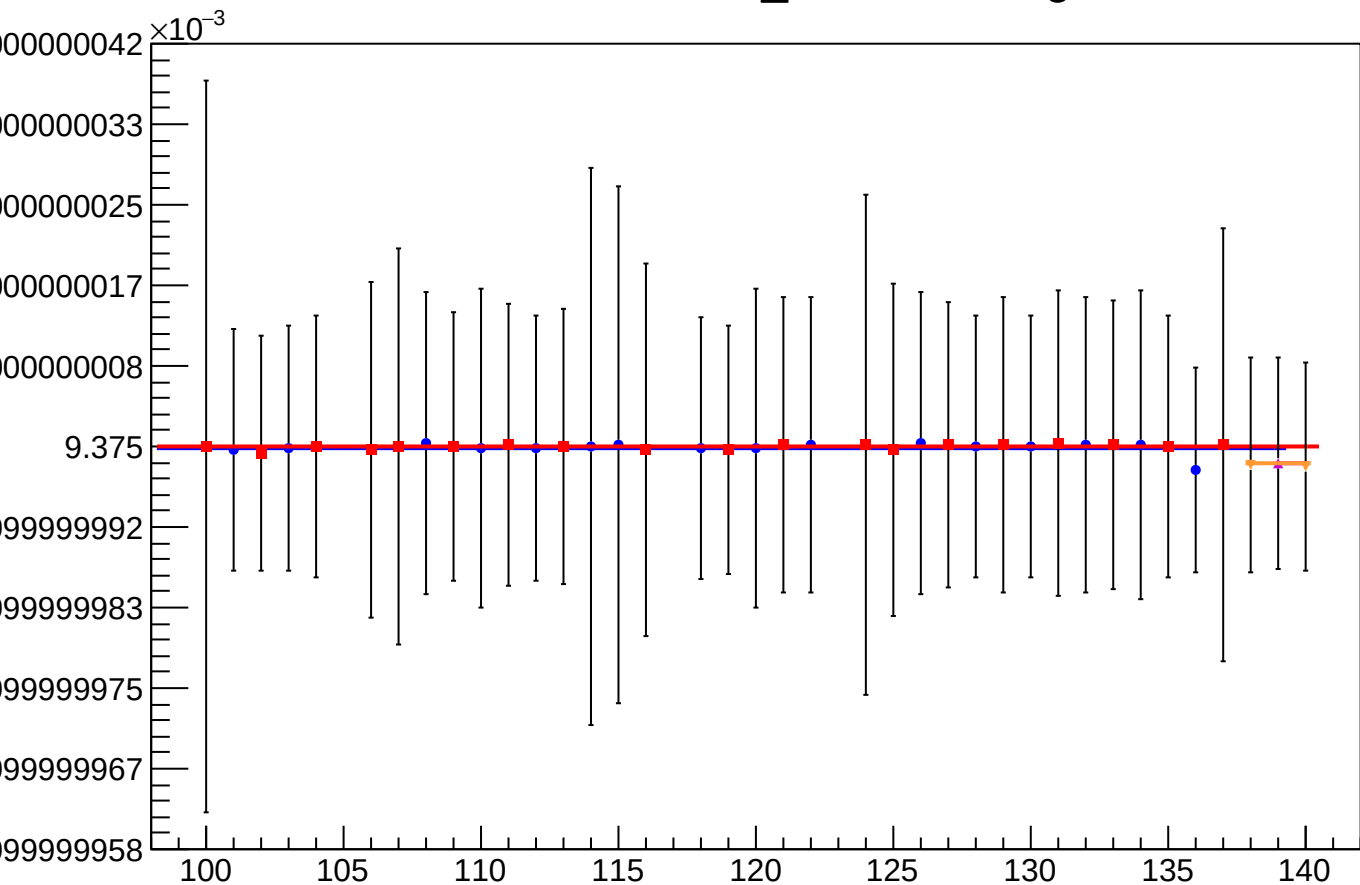
- sign 1152.180+/-0.000 χ^2/NDF : 27475112370152

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157 ± 0.000 χ^2/NDF : 22870377308507164002708101555084591104.0/15
 Left Out: 76.010 ± 0.000 χ^2/NDF : 11152571673527225960890368.0/1
 Right Out: 9.430 ± 0.000 χ^2/NDF : 46057394734928766474893736526051540992.0/18
 Left In: -1002.991 ± 0.000 χ^2/NDF : 0.0/0
 All: -475.115 ± 0.000 χ^2/NDF : 55824658158
 + sign -833.053 ± 0.000 χ^2/NDF : 19318144002602
 - sign -90.976 ± 0.000 χ^2/NDF : 1236182668056454

RTPPITA1CNT_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

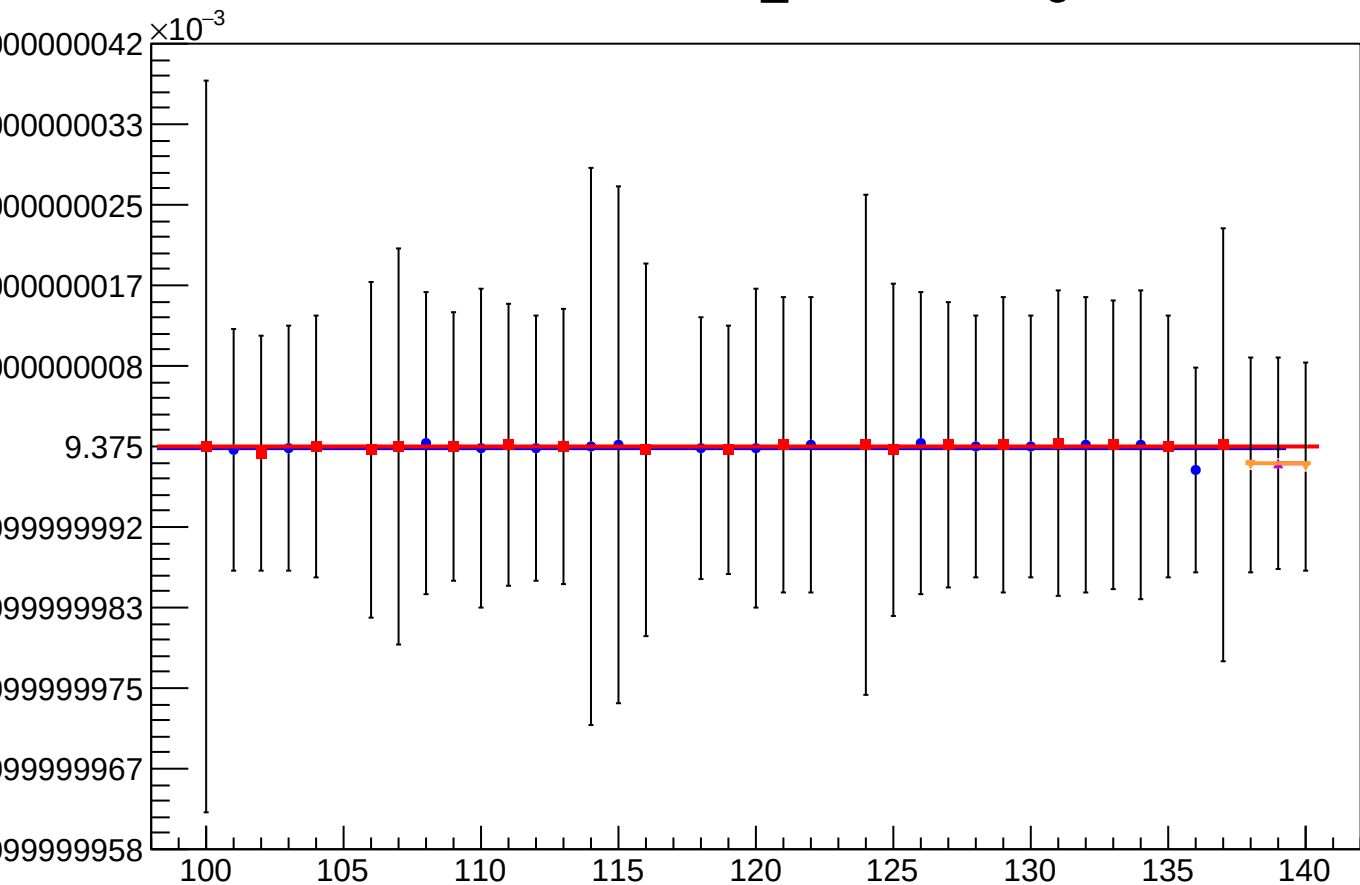
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

RTPPITA2CNT_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/37

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19