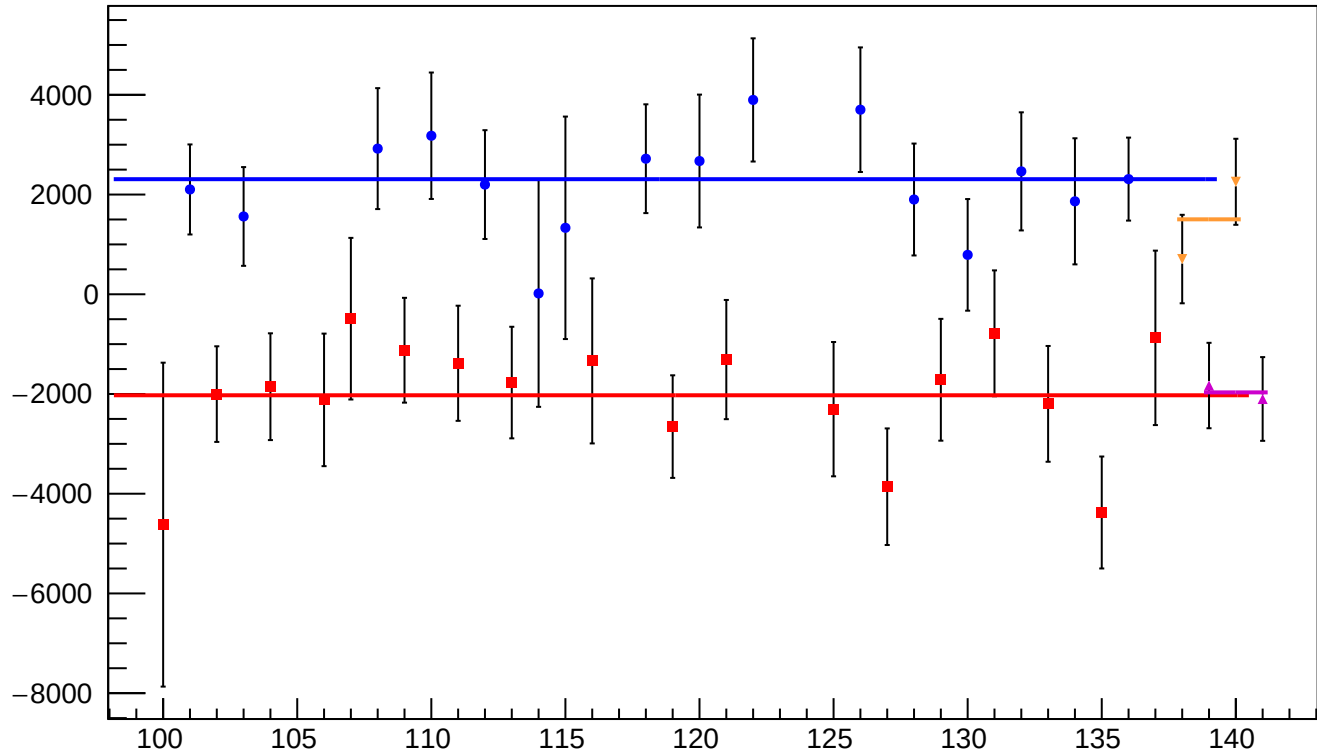


reg_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431

Left Out: 1502.951+/-618.540

Right Out: -2025.627+/-289.797

Left In: -1967.774+/-599.568

χ^2/NDF : 7.8/15

χ^2/NDF : 1.6/1

χ^2/NDF : 11.9/17

χ^2/NDF : 0.1/1

+ sign 2162.699+/-262.893

All: 58.257+/-185.191

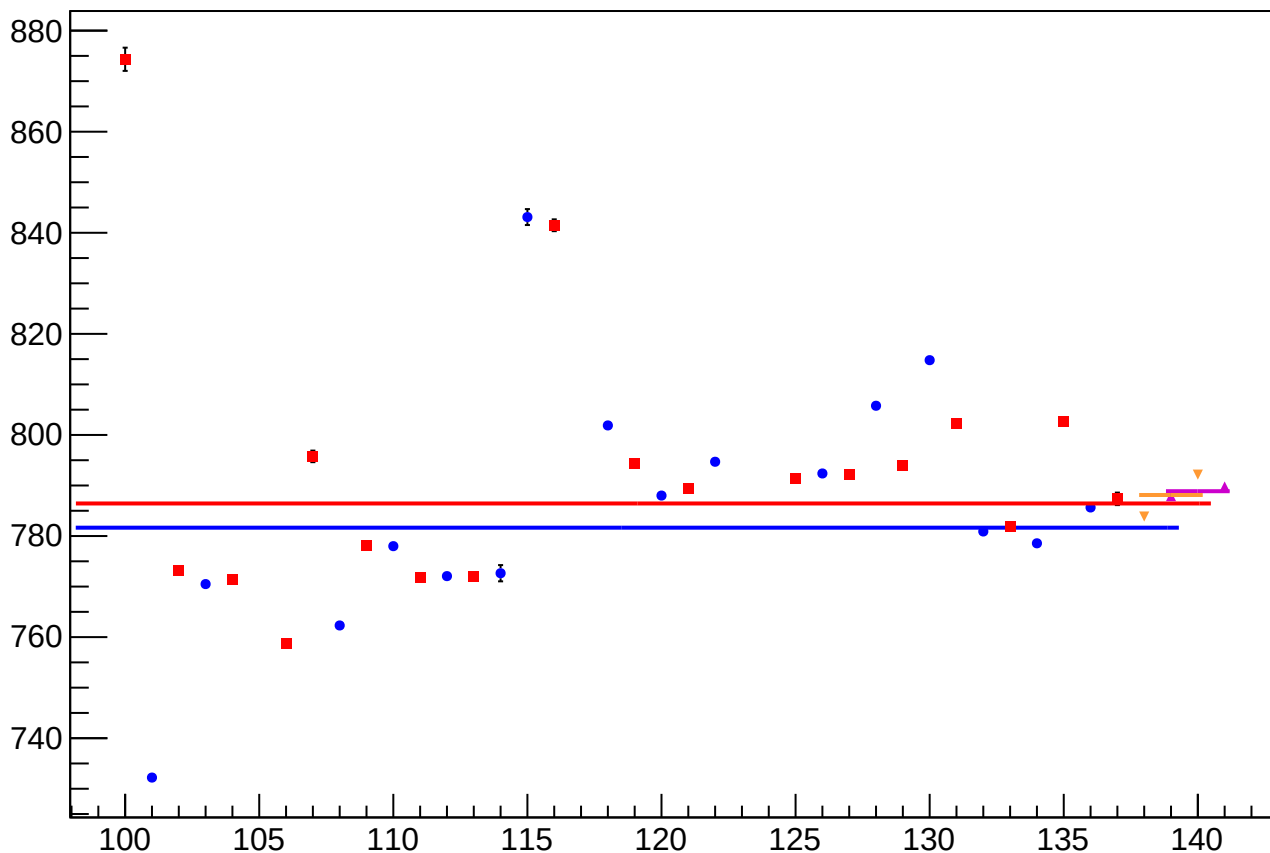
- sign -2014.671+/-260.917

χ^2/NDF : 10.7/17

χ^2/NDF : 150.0/37

χ^2/NDF : 12.0/19

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 $\chi^2/\text{NDF}: 7201.6/17$

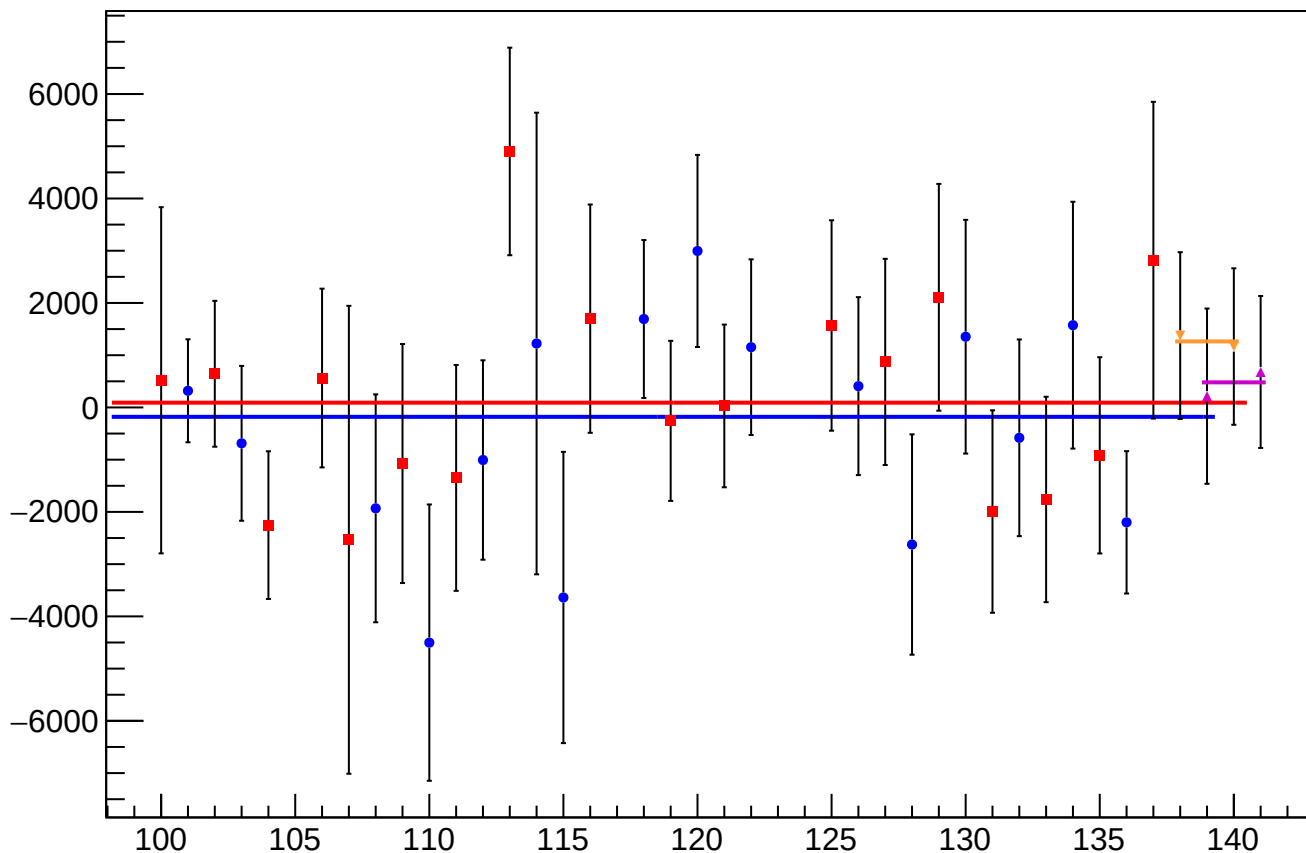
Left In: 788.870 ± 0.424 $\chi^2/\text{NDF}: 5.1/1$

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

All: 784.878 ± 0.131 $\chi^2/\text{NDF}: 20064.0/37$

- sign 786.903 ± 0.184 $\chi^2/\text{NDF}: 7233.2/19$

asym_us_avg_reg_correction_mean vs Slug



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

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

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

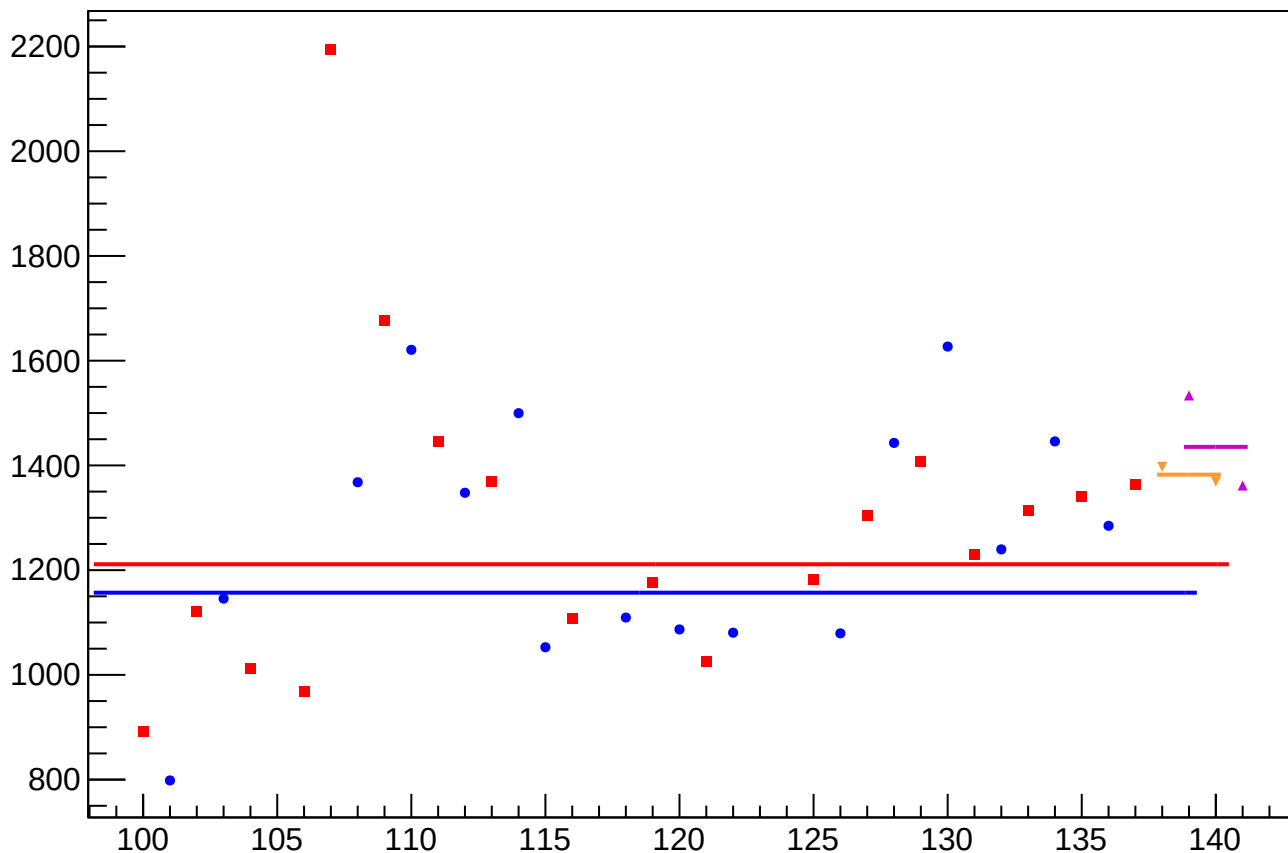
Left In: 480.146 ± 1098.767 χ^2/NDF : 0.0/1

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

All: 83.484 ± 293.003 χ^2/NDF : 32.3/37

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

asym_us_avg_reg_correction_rms vs Slug



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

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

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

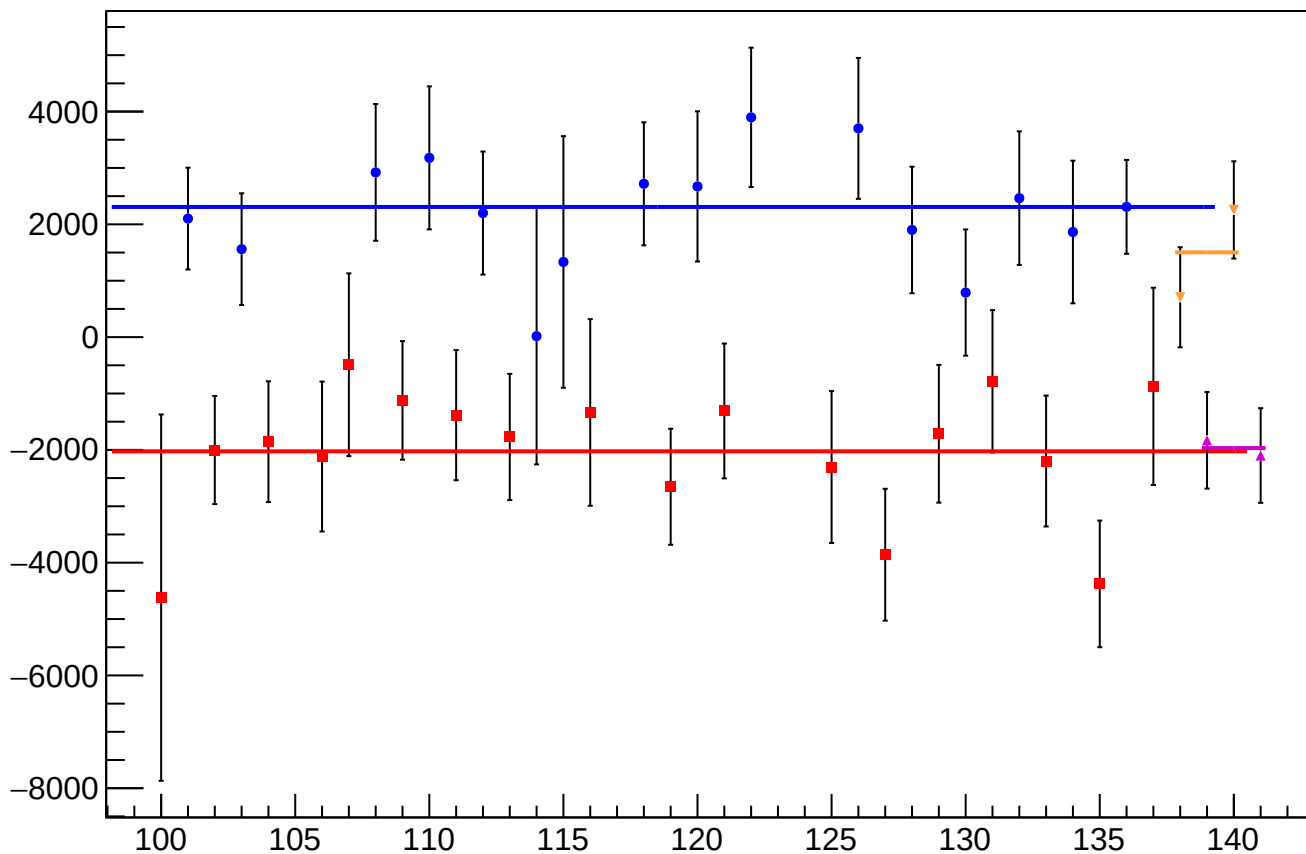
Left In: 1435.424+/-0.777 χ^2/NDF : 12009.4/1

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

All: 1215.516+/-0.207 χ^2/NDF : 1141449.8/37

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

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

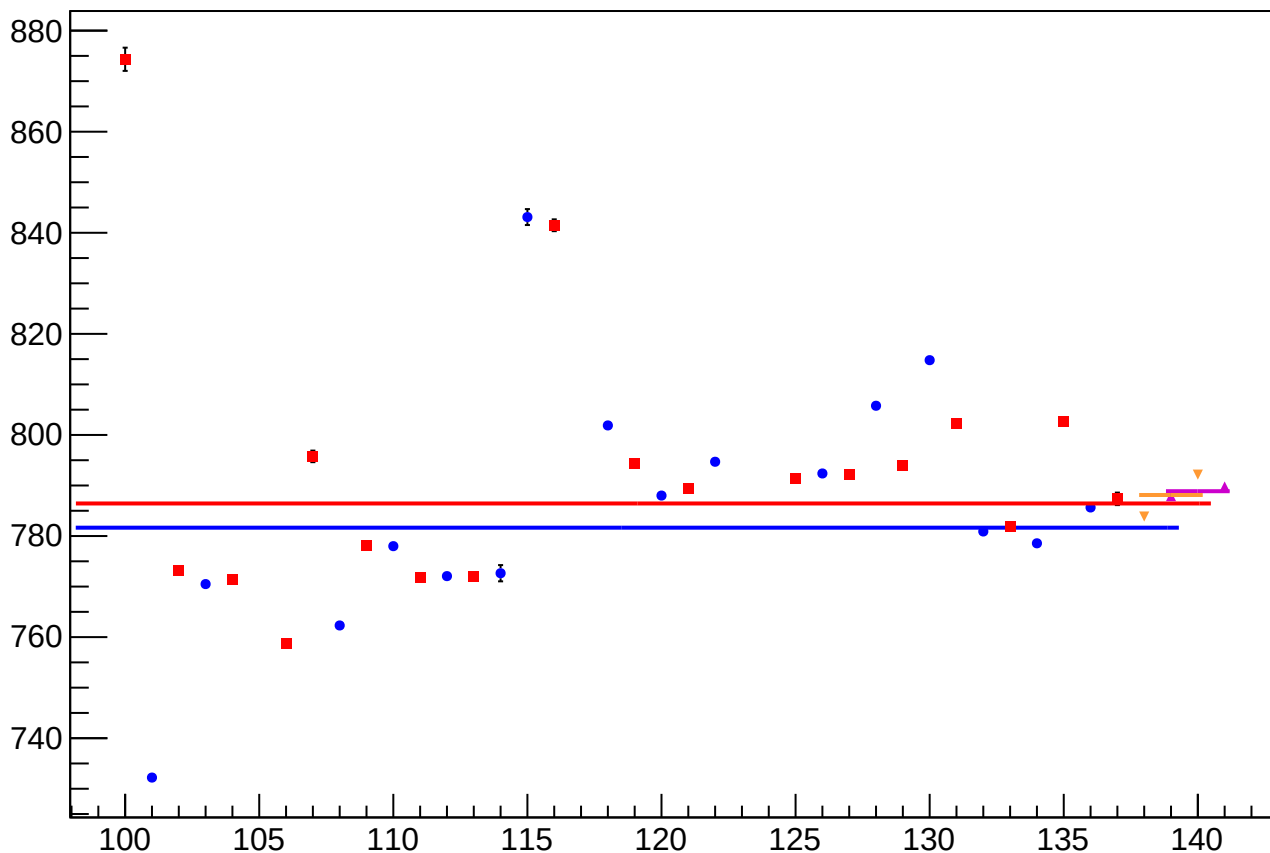
Left In: -1967.774+/-599.568 χ^2/NDF : 0.1/1

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

All: 58.257+/-185.191 χ^2/NDF : 150.0/37

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

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

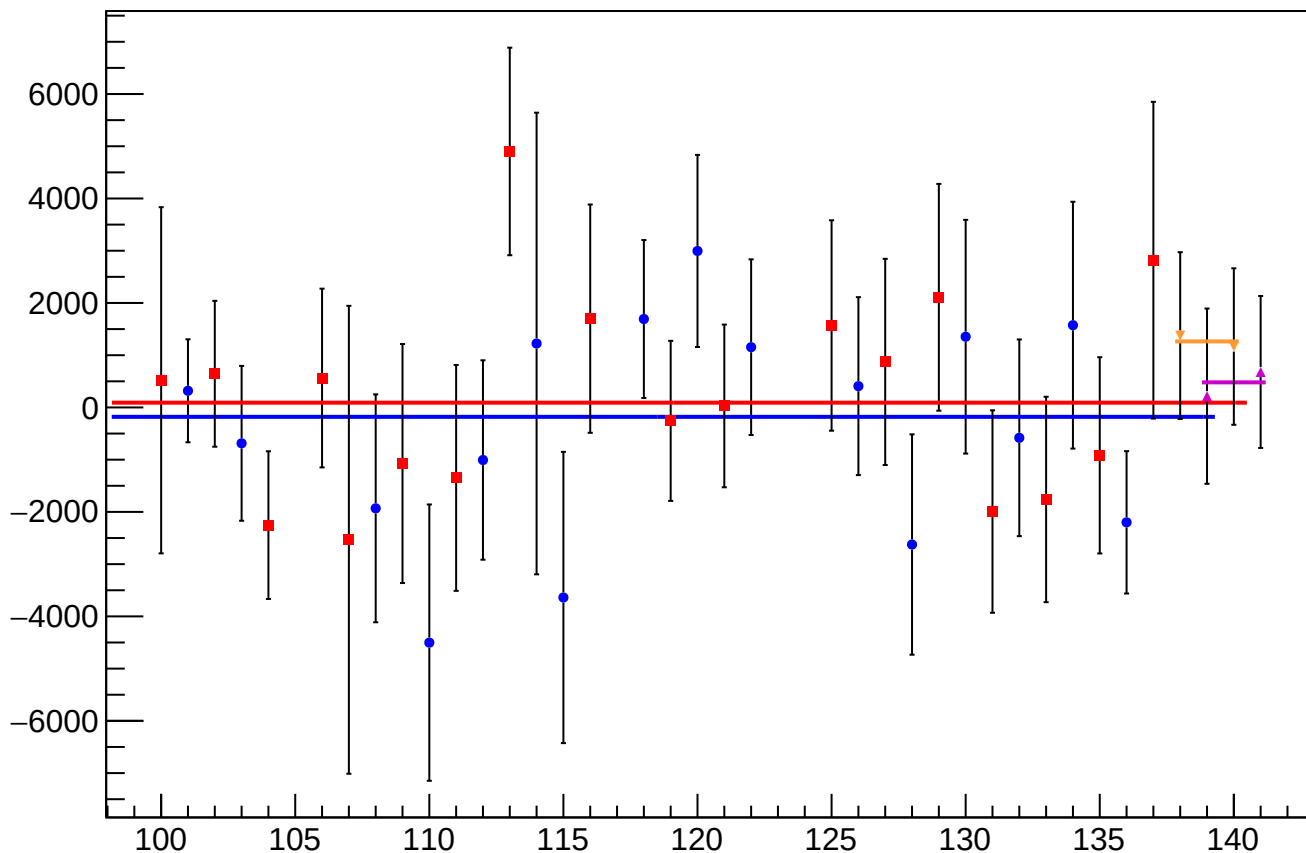
Left In: 788.870 $\pm$ 0.424 χ^2 /NDF: 5.1/1

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

All: 784.878 $\pm$ 0.131 χ^2 /NDF: 20064.0/37

- sign 786.903 $\pm$ 0.184 χ^2 /NDF: 7233.2/19

asym_us_avg_cor_correction_mean vs Slug



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

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

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

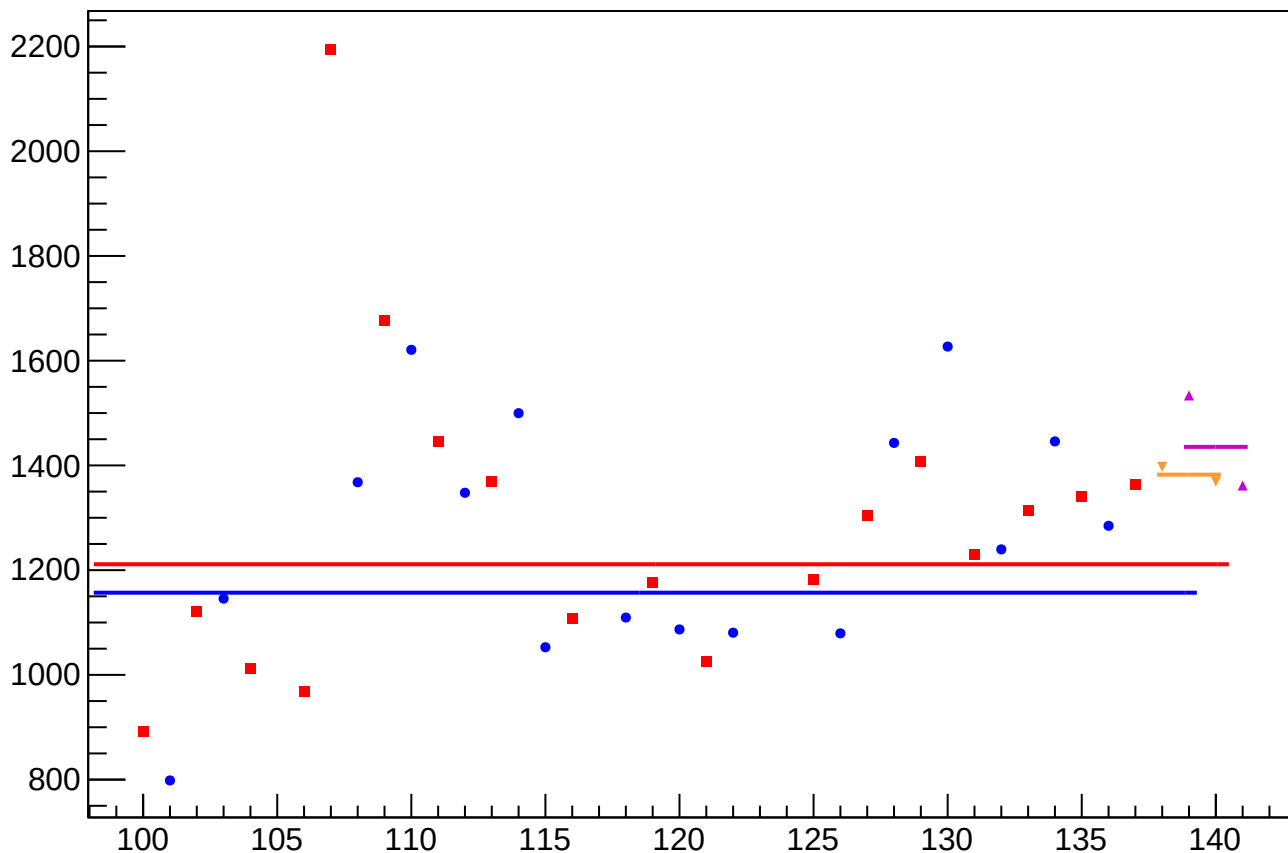
Left In: 480.146 ± 1098.767 χ^2/NDF : 0.0/1

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

All: 83.484 ± 293.003 χ^2/NDF : 32.3/37

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

asym_us_avg_cor_correction_rms vs Slug



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

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

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

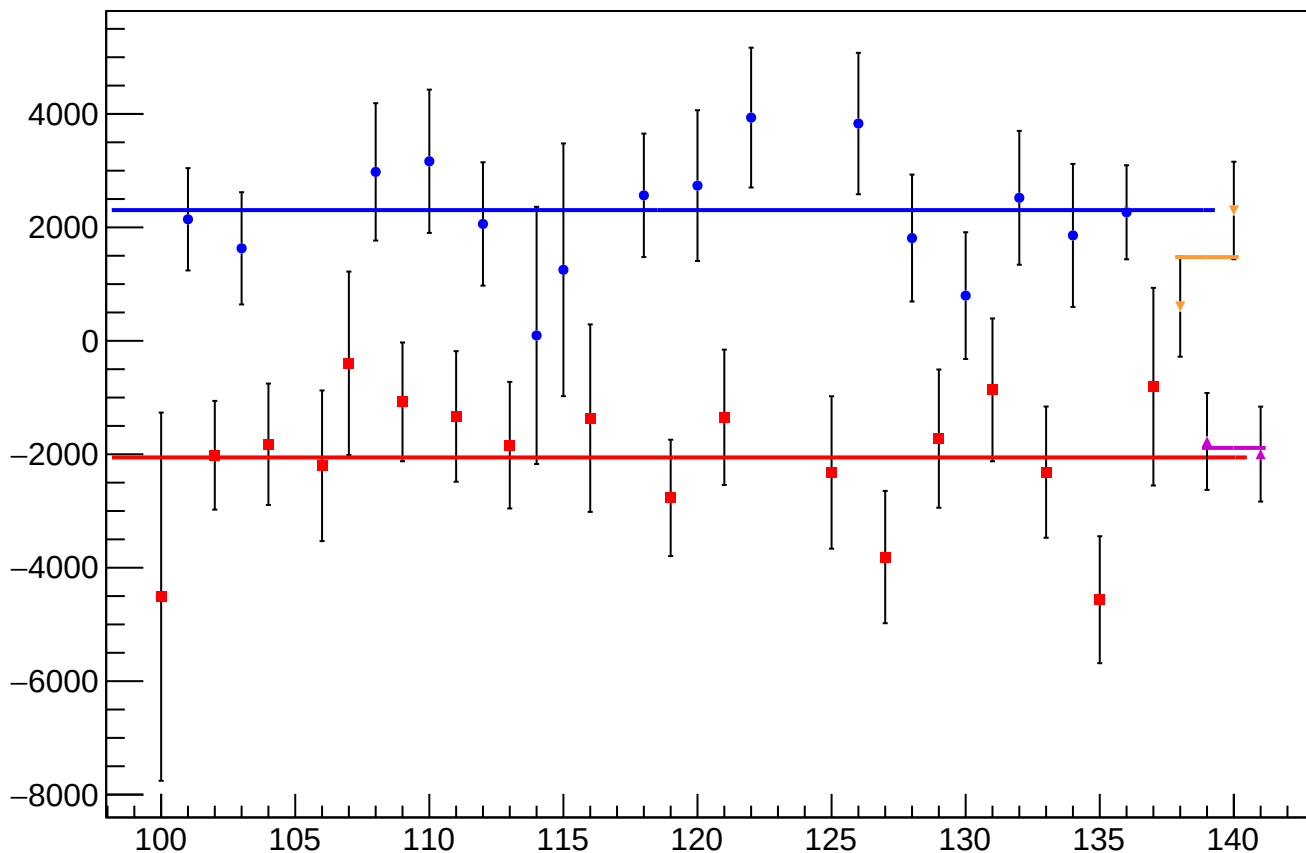
Left In: 1435.424+/-0.777 χ^2/NDF : 12009.4/1

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

All: 1215.516+/-0.207 χ^2/NDF : 1141449.8/37

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

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

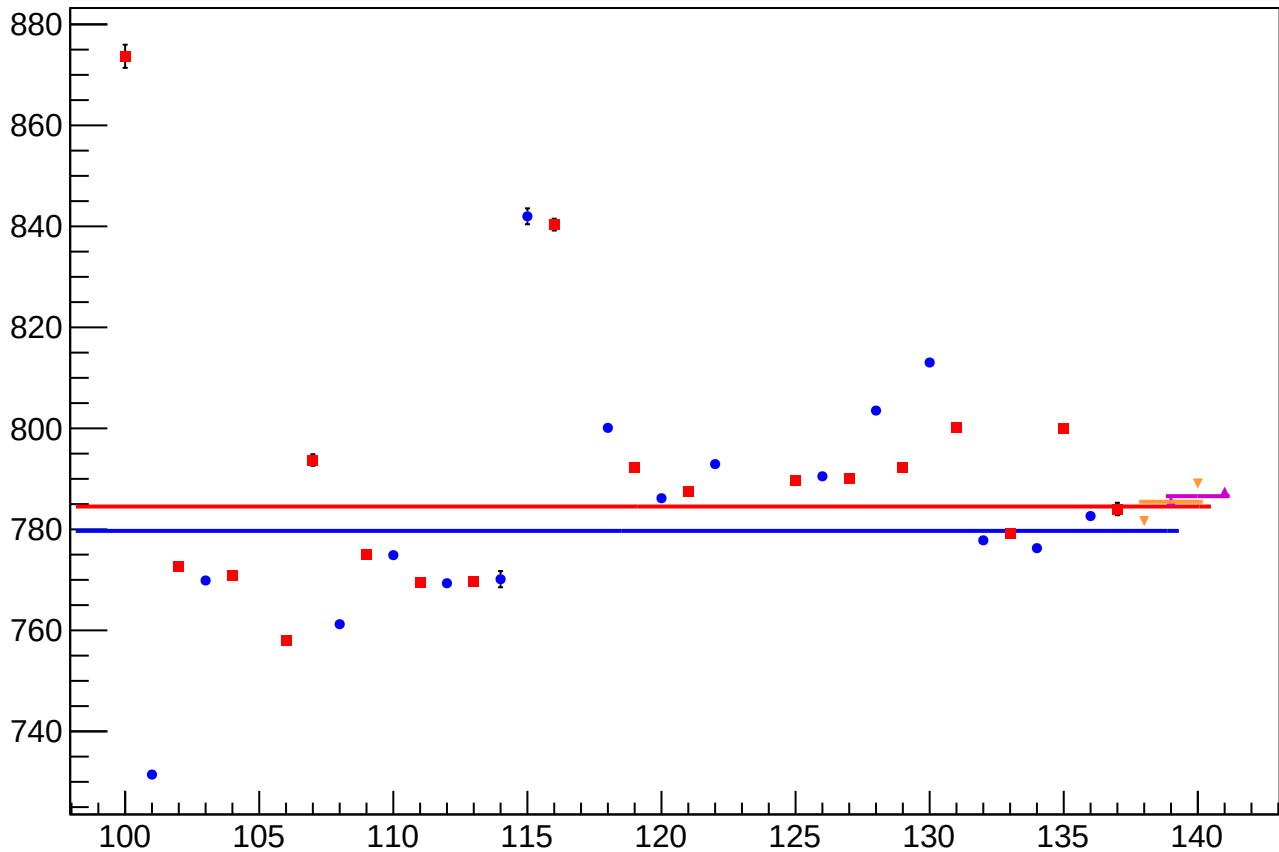
Left In: -1887.495 $\pm$ 597.817 χ^2 /NDF:0.0/1

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

All: 50.084 $\pm$ 184.710 χ^2 /NDF: 152.4/37

- sign -2023.794 $\pm$ 260.257 χ^2 /NDF: 13.0/19

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

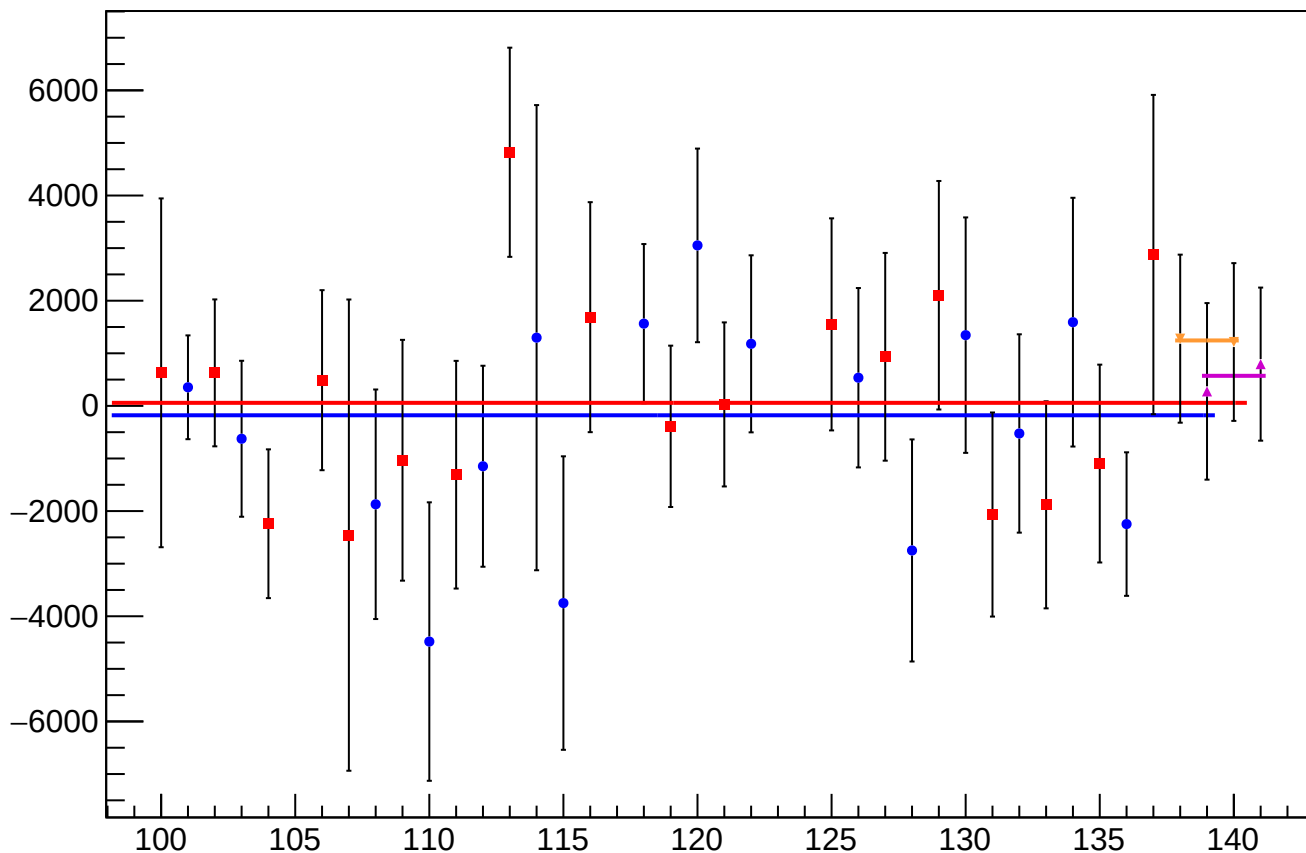
Left In: 786.570 $\pm$ 0.423 χ^2 /NDF: 4.9/1

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

All: 782.844 $\pm$ 0.131 χ^2 /NDF: 19714.8/37

- sign 784.912 $\pm$ 0.184 χ^2 /NDF: 7183.9/19

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

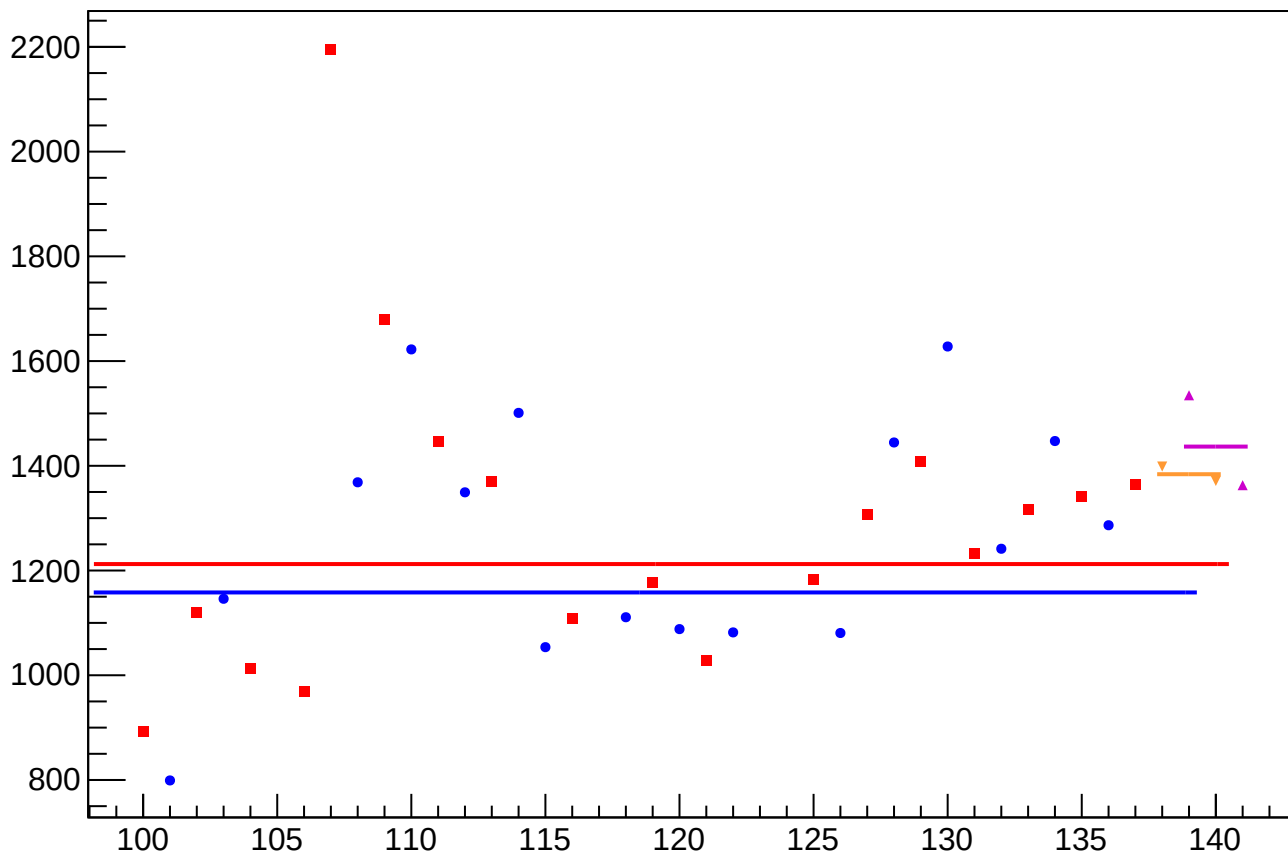
Left In: 571.866 ± 1099.722 χ^2/NDF : 0.1/1

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

All: 75.446 ± 293.284 χ^2/NDF : 32.7/37

- sign 133.203 ± 420.606 χ^2/NDF : 15.5/19

asym_us_avg_overload_cor_correction_rms vs Slug



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

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

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

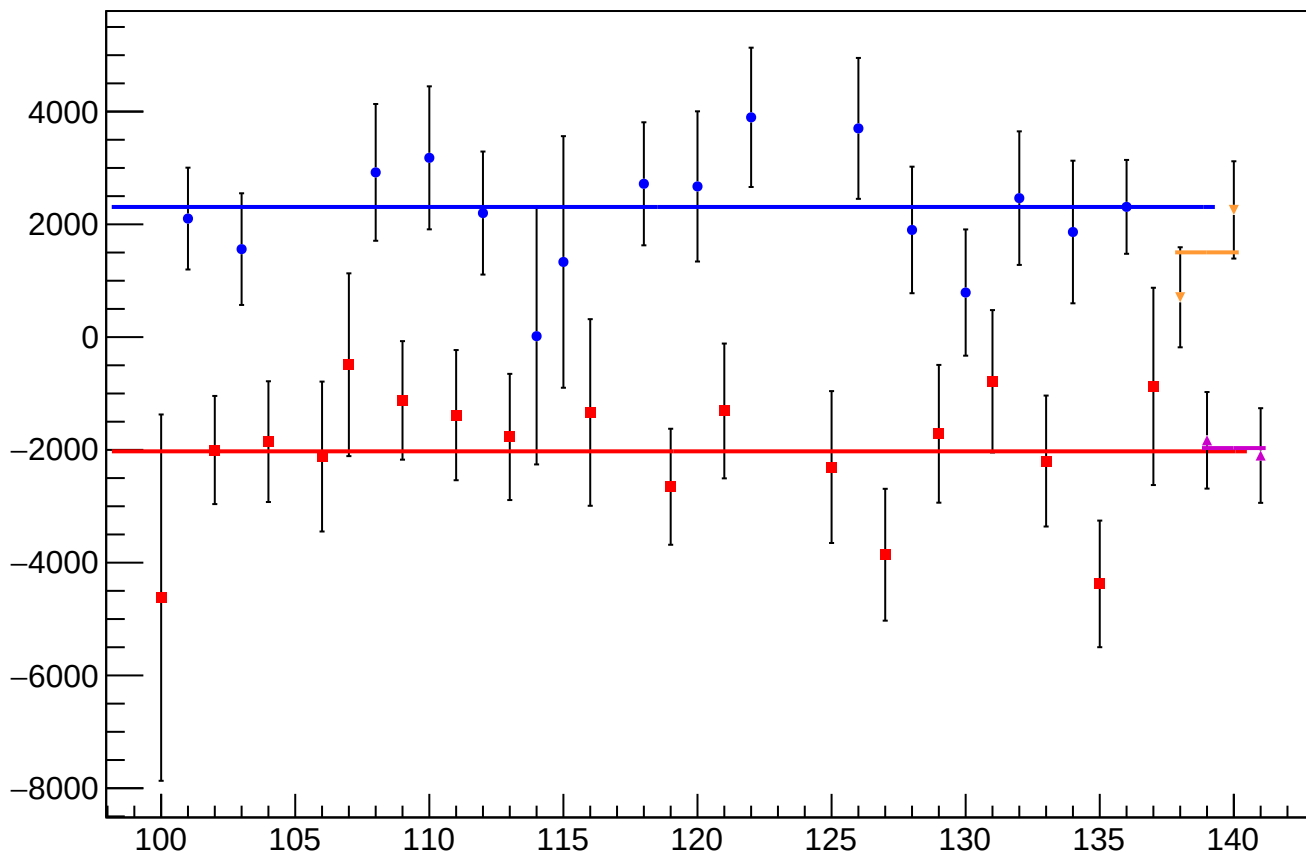
Left In: 1436.692+/-0.778 χ^2/NDF : 11941.8/1

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

All: 1216.693+/-0.207 χ^2/NDF : 1141580.2/37

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

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

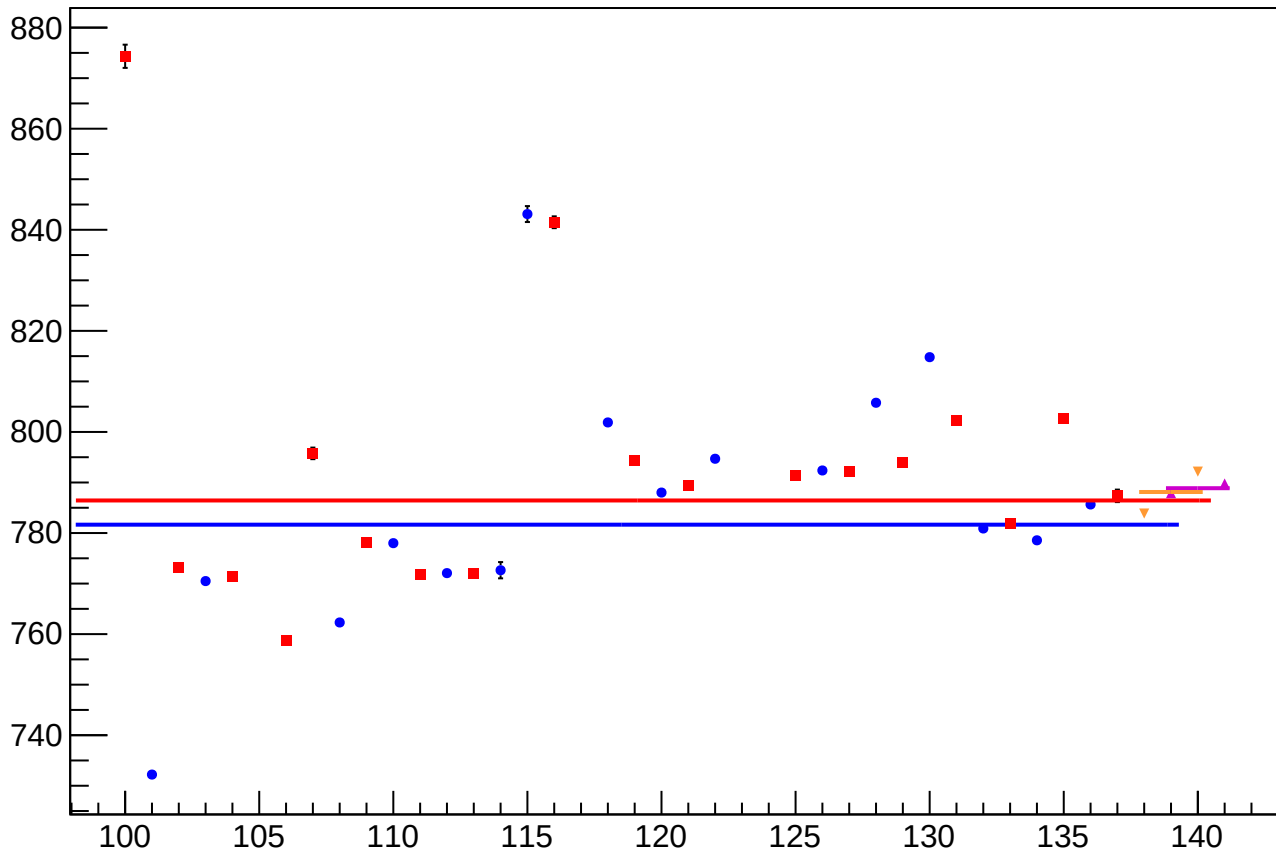
Left In: -1967.774 $\pm$ 599.568 χ^2 /NDF: 0.1/1

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

All: 58.257 $\pm$ 185.191 χ^2 /NDF: 150.0/37

- sign -2014.671 $\pm$ 260.917 χ^2 /NDF: 12.0/19

eigen_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

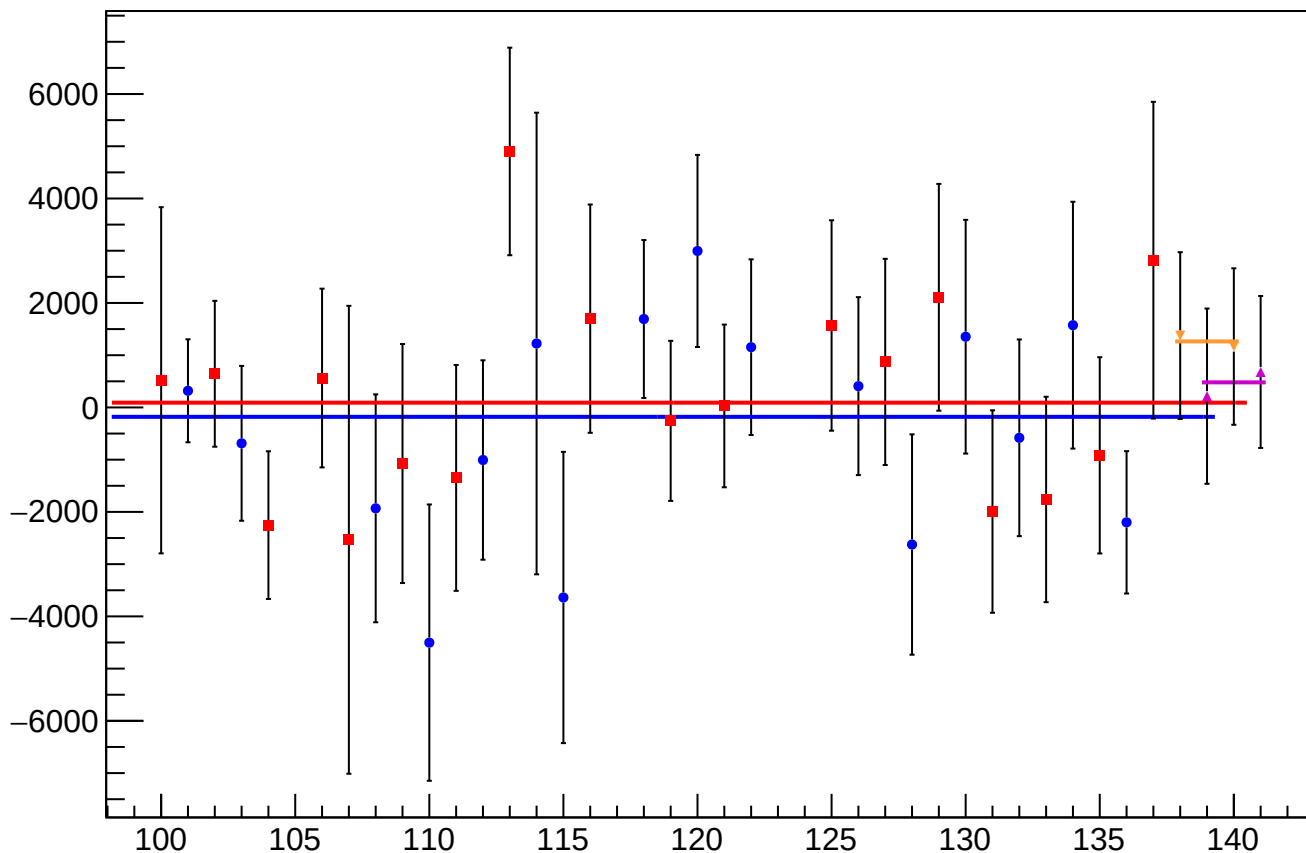
Left In: 788.870 $\pm$ 0.424 χ^2 /NDF: 5.1/1

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

All: 784.878 $\pm$ 0.131 χ^2 /NDF: 20064.0/37

- sign 786.903 $\pm$ 0.184 χ^2 /NDF: 7233.2/19

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

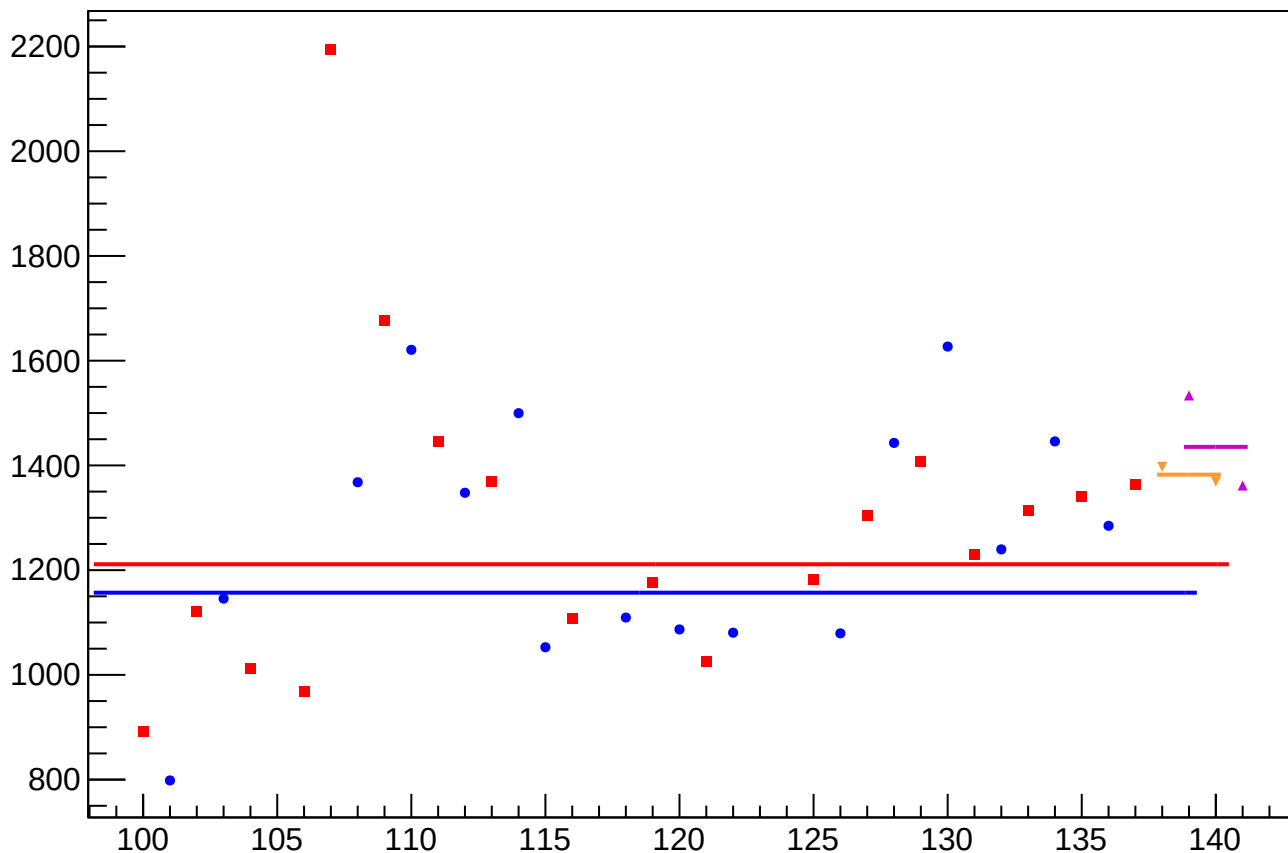
Left In: 480.146 ± 1098.767 χ^2/NDF : 0.0/1

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

All: 83.484 ± 293.003 χ^2/NDF : 32.3/37

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

asym_us_avg_eigen_cor_correction_rms vs Slug



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

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

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

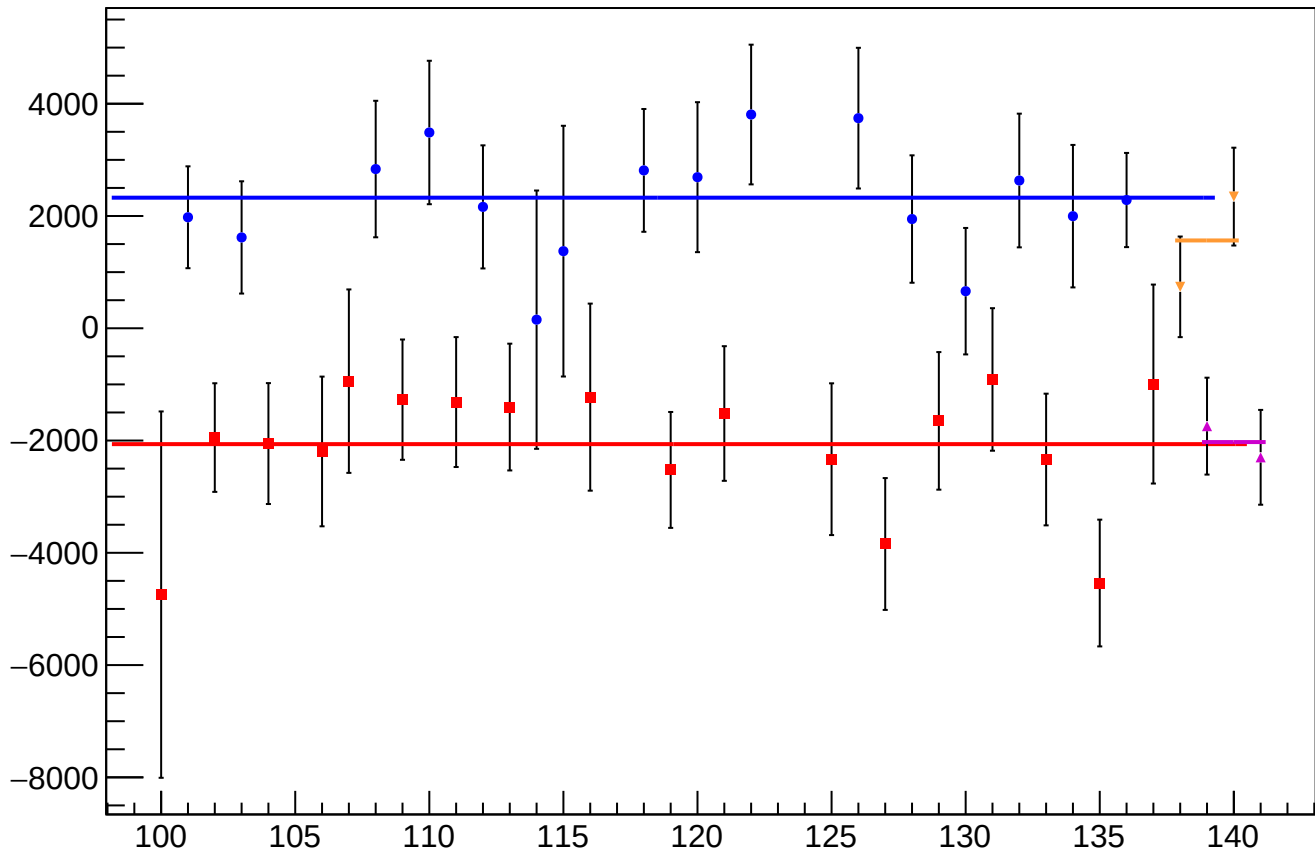
Left In: 1435.424+/-0.777 χ^2/NDF : 12009.4/1

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

All: 1215.516+/-0.207 χ^2/NDF : 1141449.8/37

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

dit_asym_us_avg_mean vs Slug



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

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

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

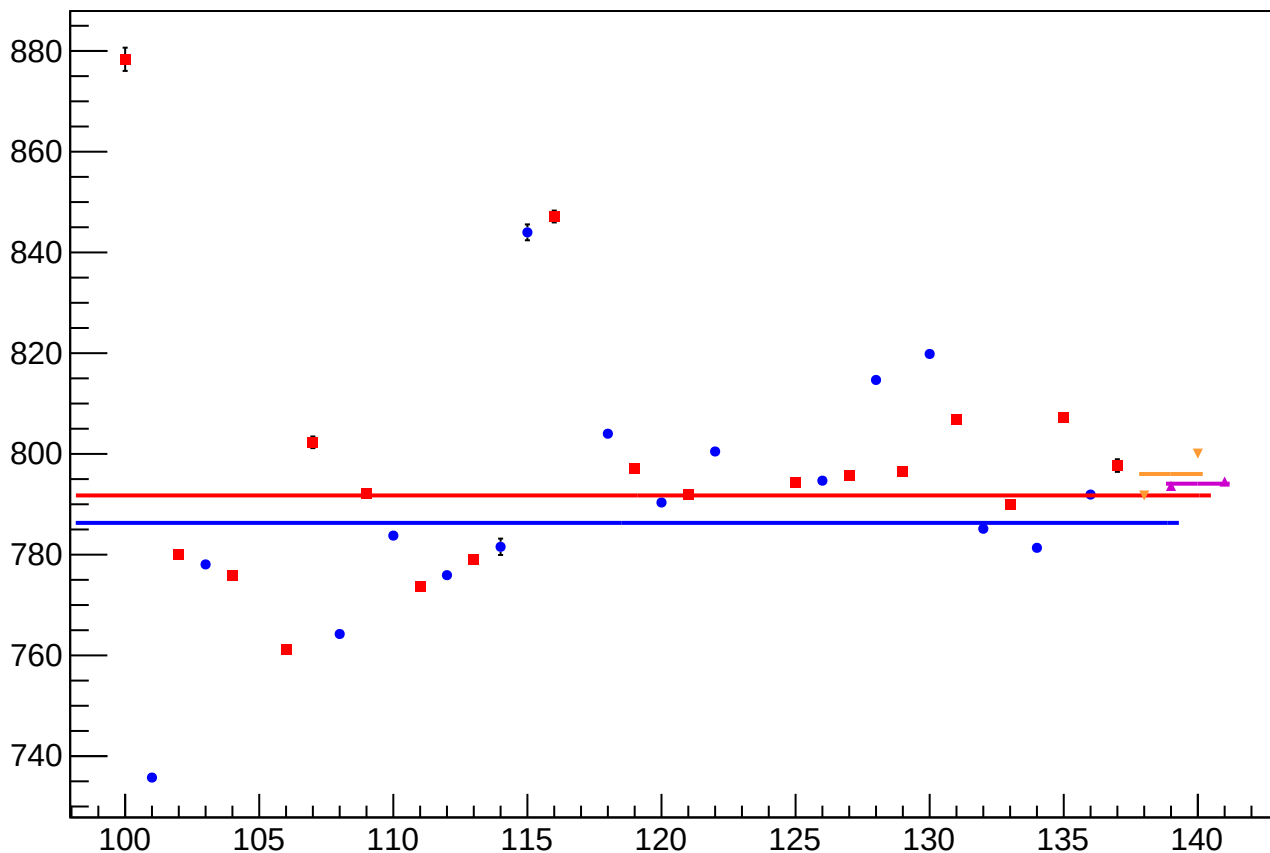
Left In: -2027.169 ± 603.658 χ^2/NDF : 0.2/1

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

All: 50.602 ± 186.451 χ^2/NDF : 152.6/37

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

dit_asym_us_avg_rms vs Slug



Right In: 786.309 $\pm$ 0.207 χ^2 /NDF: 12571.1/15

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

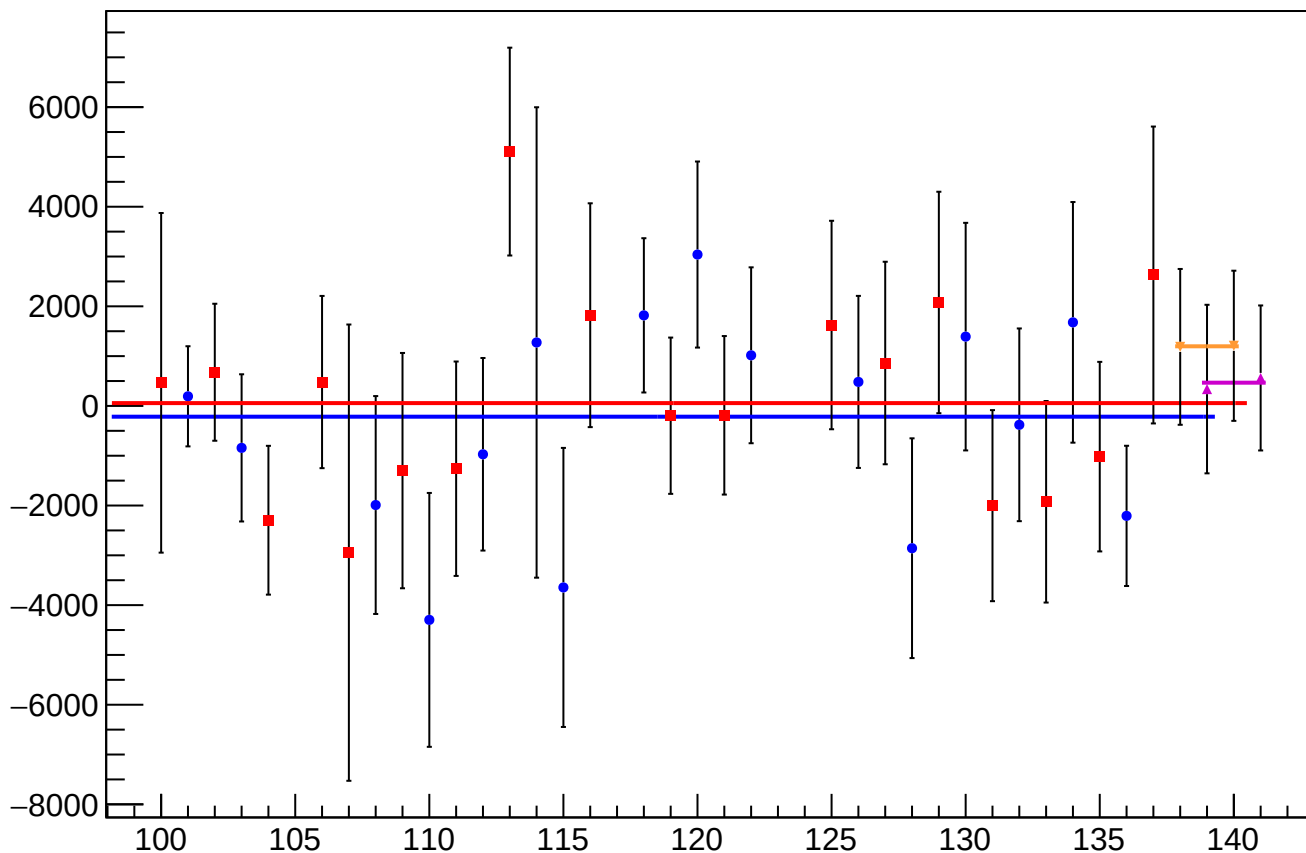
Left In: 794.090 $\pm$ 0.427 χ^2 /NDF:1.0/1

+ sign 788.051 $\pm$ 0.187 χ^2 /NDF: 13055.6/17

All: 790.140 $\pm$ 0.132 χ^2 /NDF: 20343.3/37

- sign 792.198 $\pm$ 0.186 χ^2 /NDF: 7040.4/19

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

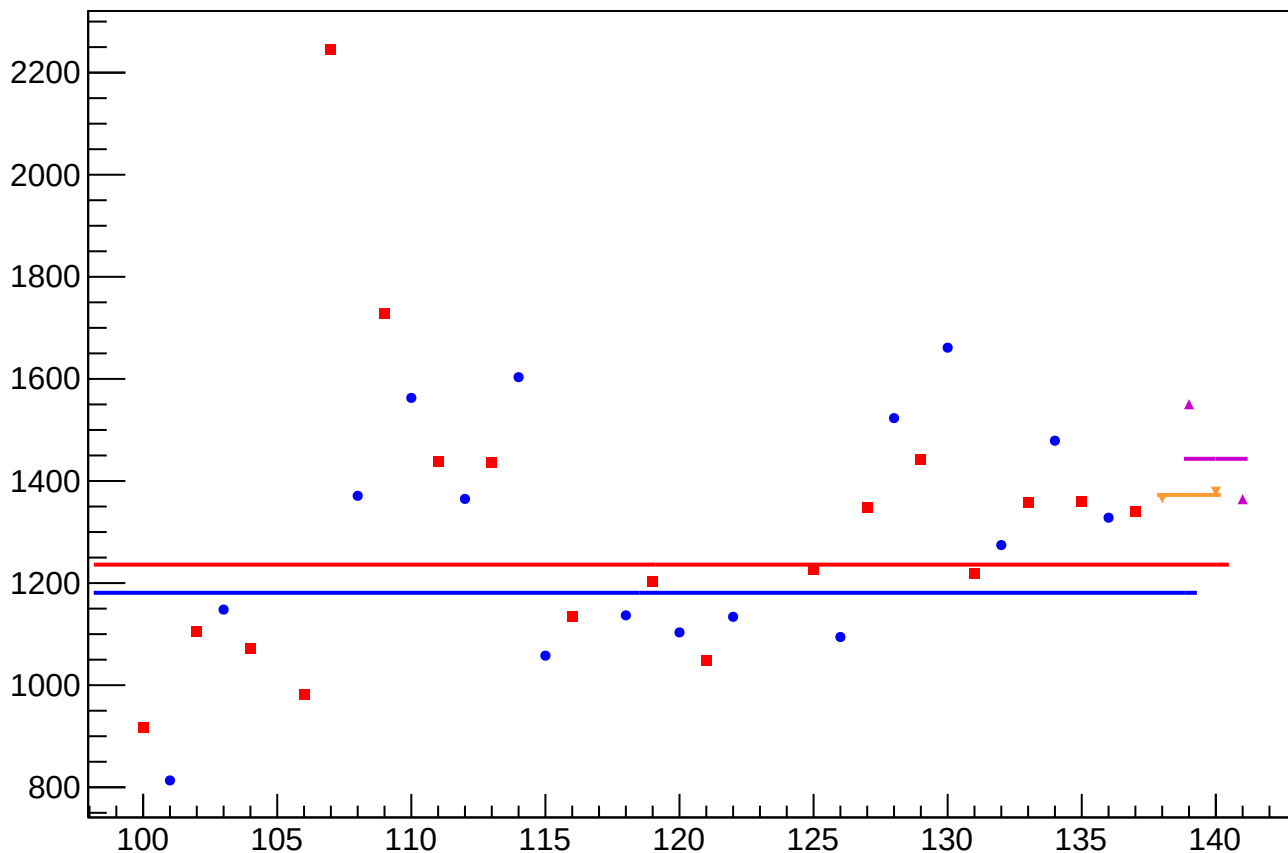
Left In: 466.712 ± 1103.655 χ^2/NDF : 0.0/1

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

All: 52.659 ± 297.967 χ^2/NDF : 32.0/37

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

asym_us_avg_dit_correction_rms vs Slug



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

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

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

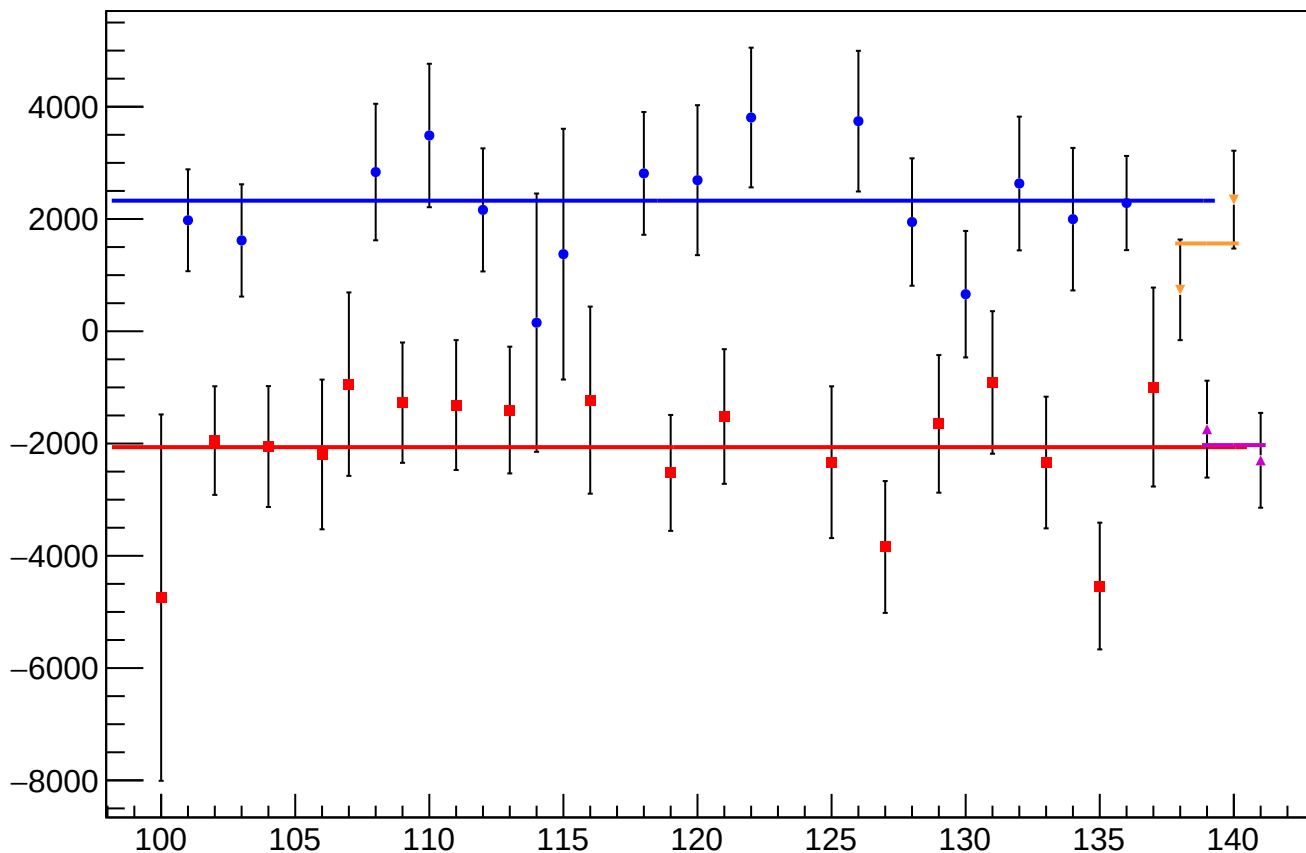
Left In: 1443.500+/-0.780 χ^2/NDF : 13896.1/1

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

All: 1237.316+/-0.211 χ^2/NDF : 1114640.6/37

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

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

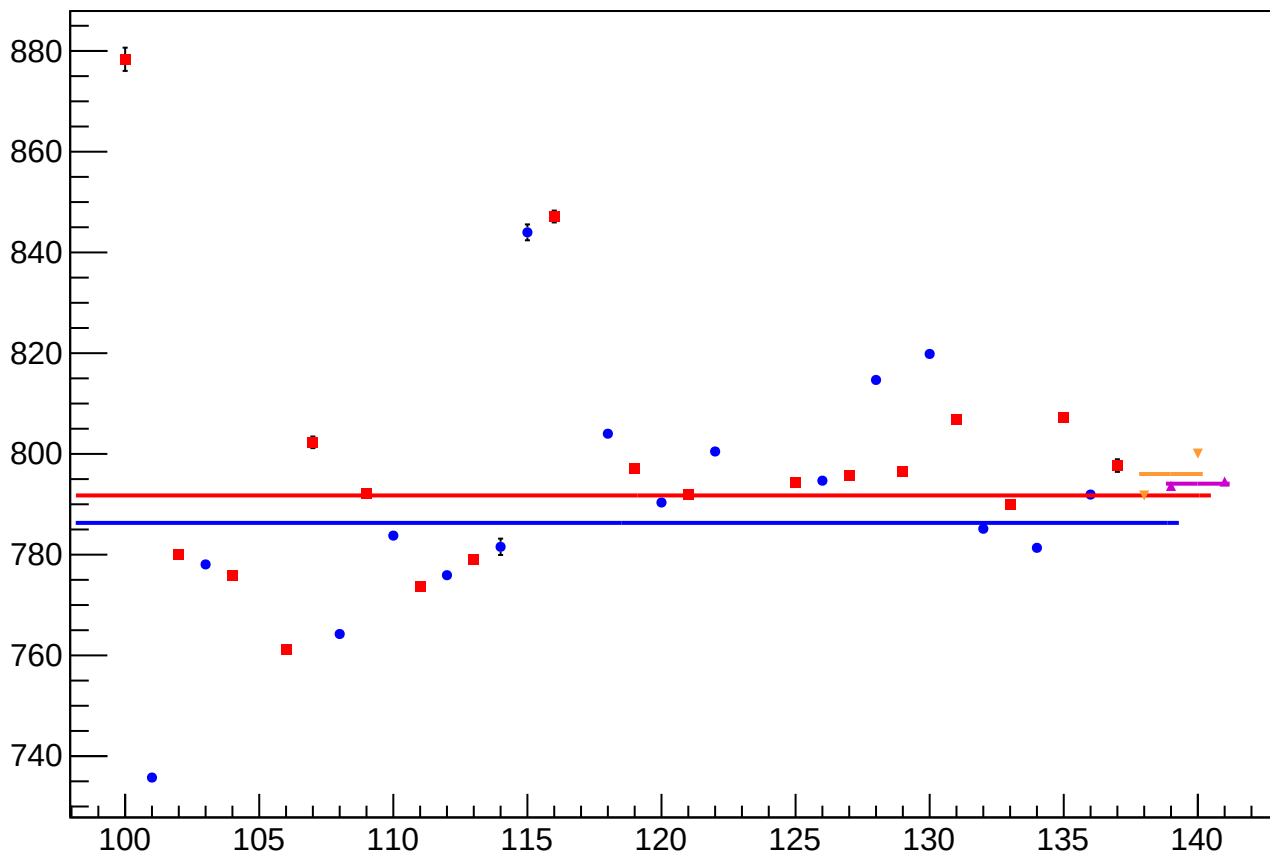
Left In: -2027.167 $\pm$ 603.658 χ^2 /NDF: 0.2/1

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

All: 50.602 $\pm$ 186.451 χ^2 /NDF: 152.6/37

- sign -2057.004 $\pm$ 262.709 χ^2 /NDF: 11.8/19

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

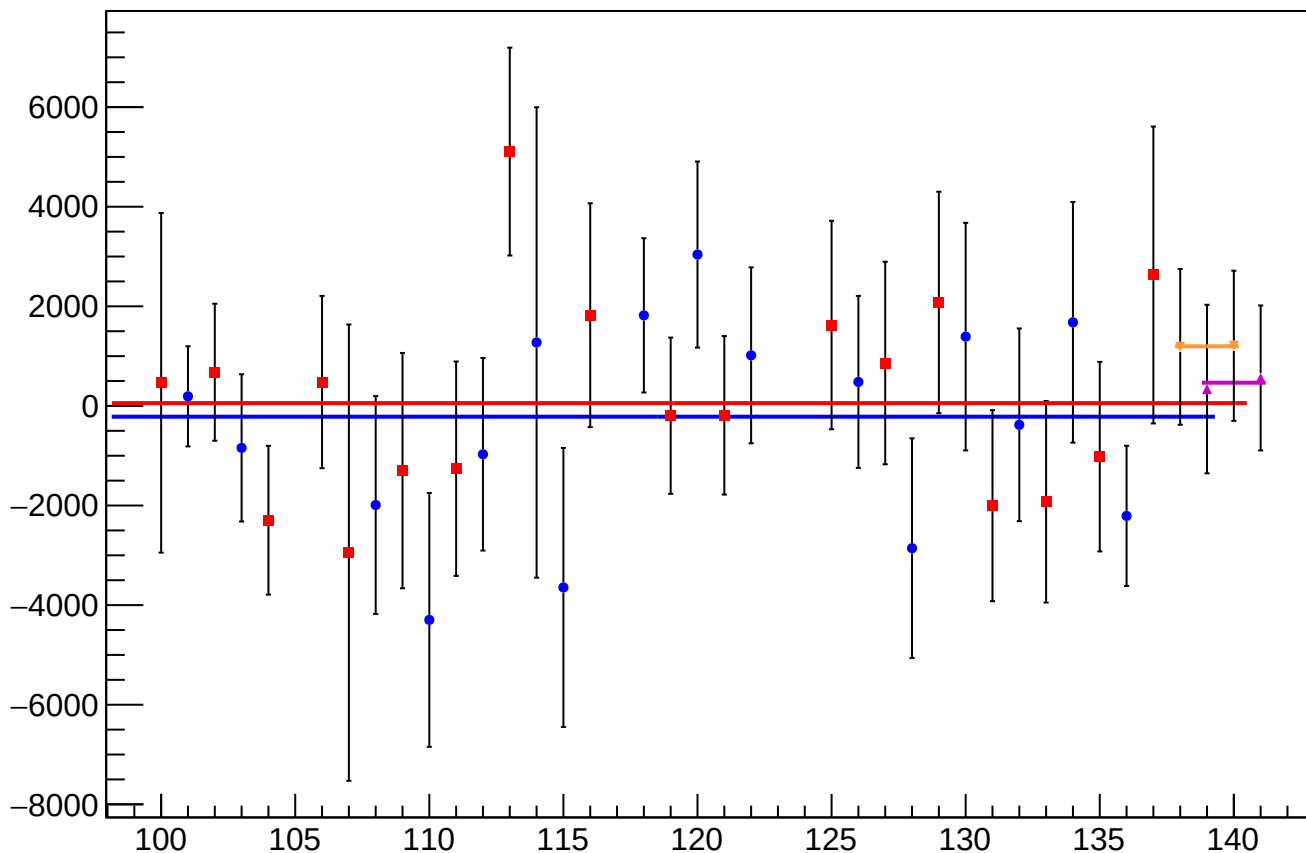
Left In: 794.090 $\pm$ 0.427 χ^2/NDF : 1.0/1

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

All: 790.140 $\pm$ 0.132 χ^2/NDF : 20343.2/37

- sign 792.198 $\pm$ 0.186 χ^2/NDF : 7040.4/19

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

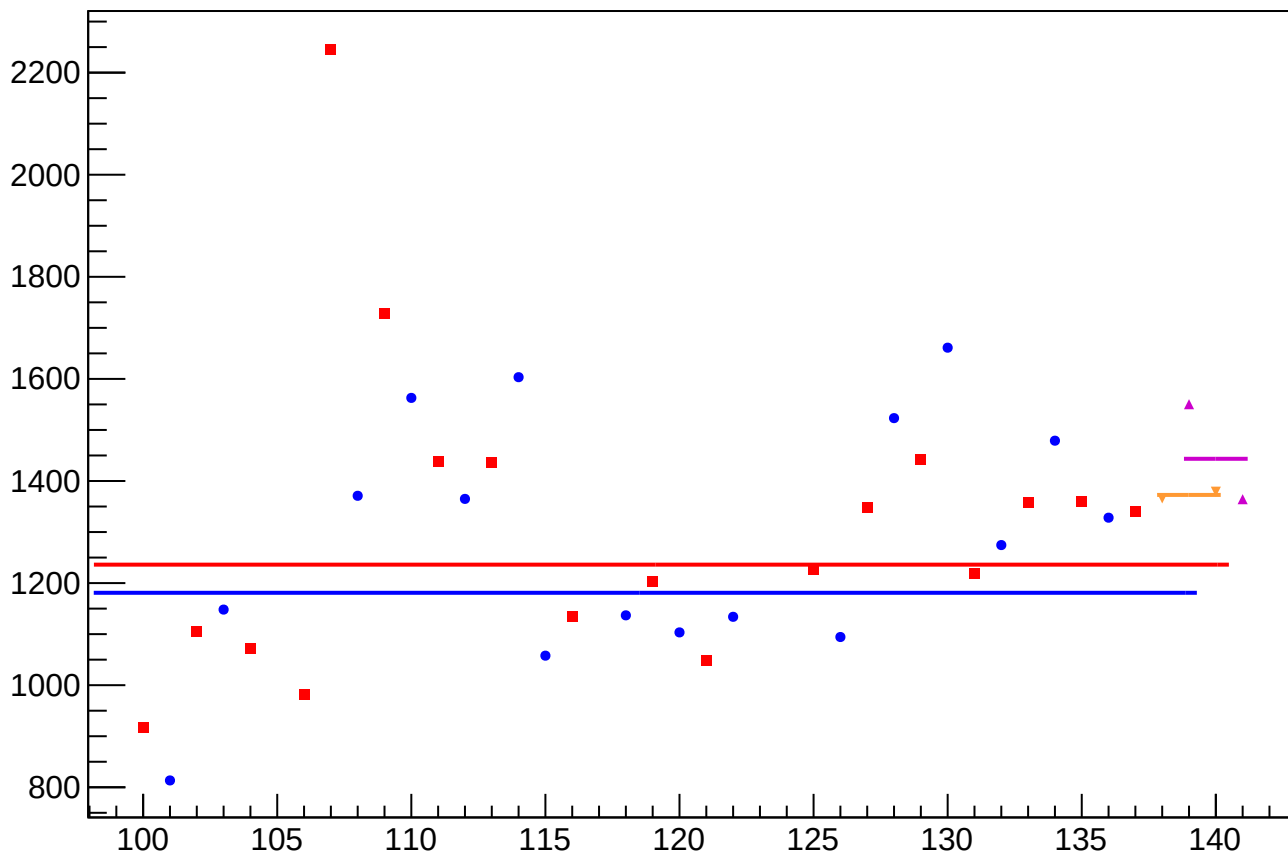
Left In: 466.714+/-1103.658 χ^2/NDF : 0.0/1

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

All: 52.658+/-297.967 χ^2/NDF : 32.0/37

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

asym_us_avg_eigen_dit_correction_rms vs Slug



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

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

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

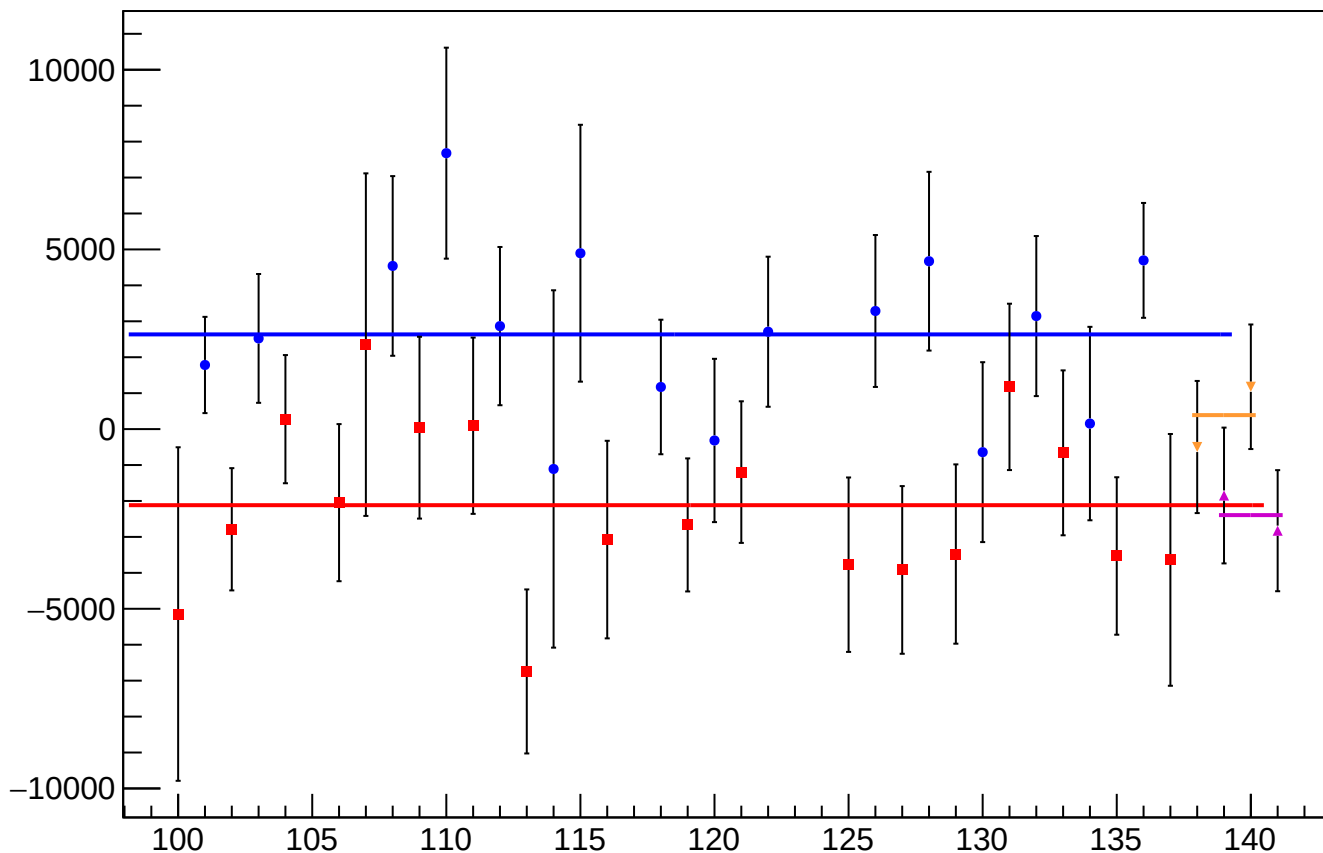
Left In: 1443.503+/-0.780 χ^2/NDF : 13896.3/1

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

All: 1237.313+/-0.211 χ^2/NDF : 1114643.7/37

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

asym_us_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: -2117.162 $\pm$ 547.483 χ^2 /NDF: 13.7/17

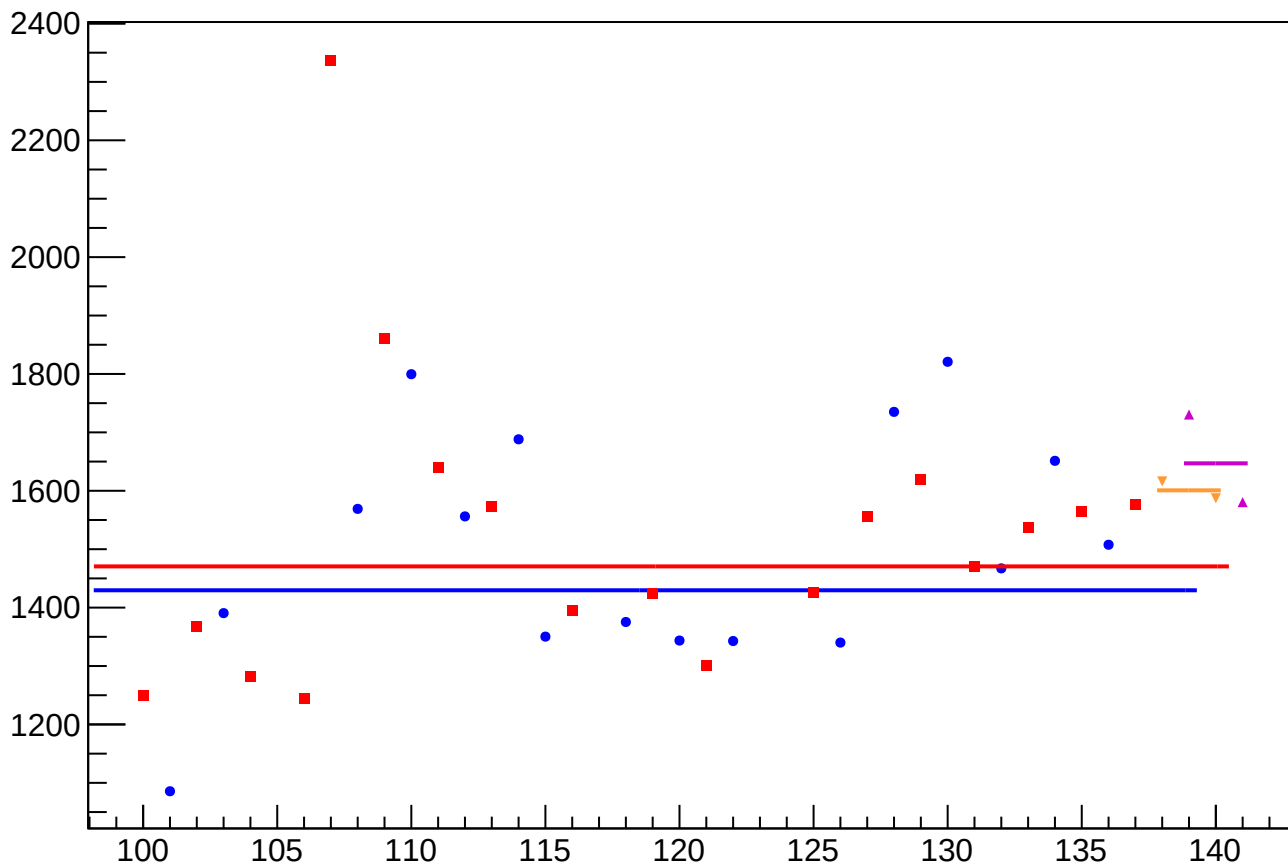
Left In: -2393.398 $\pm$ 1257.408 χ^2 /NDF: 0.1/1

+ sign 2289.561 $\pm$ 494.883 χ^2 /NDF: 15.4/17

All: 95.809 $\pm$ 352.413 χ^2 /NDF: 69.2/37

- sign -2161.184 $\pm$ 501.966 χ^2 /NDF: 13.9/19

asym_us_avg_rms vs Slug



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

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

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

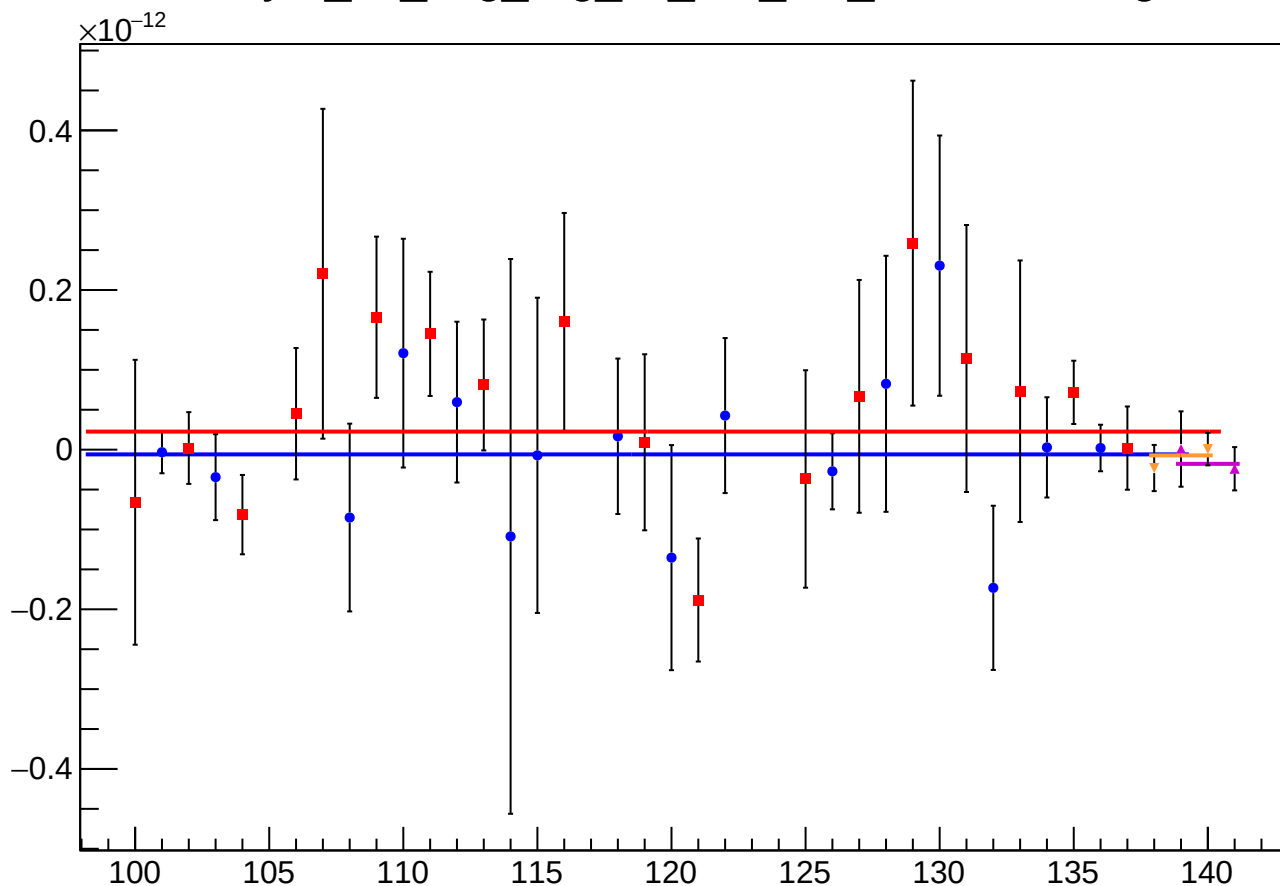
Left In: 1646.995+/-0.889 χ^2/NDF : 7018.9/1

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

All: 1477.037+/-0.249 χ^2/NDF : 590311.5/37

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

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

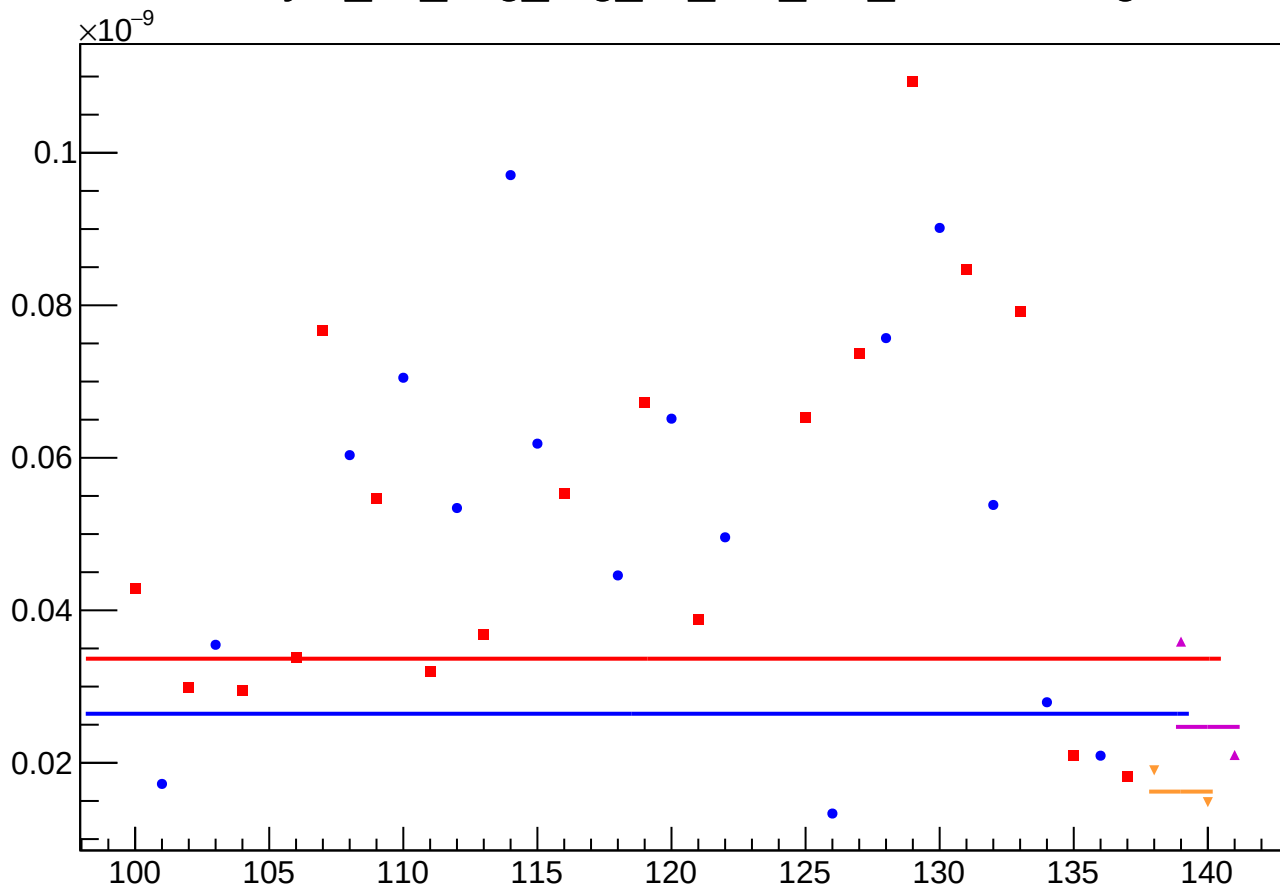
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

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

All: -0.000 ± 0.000 χ^2/NDF : 34.7/37

- sign 0.000 ± 0.000 χ^2/NDF : 25.1/19

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

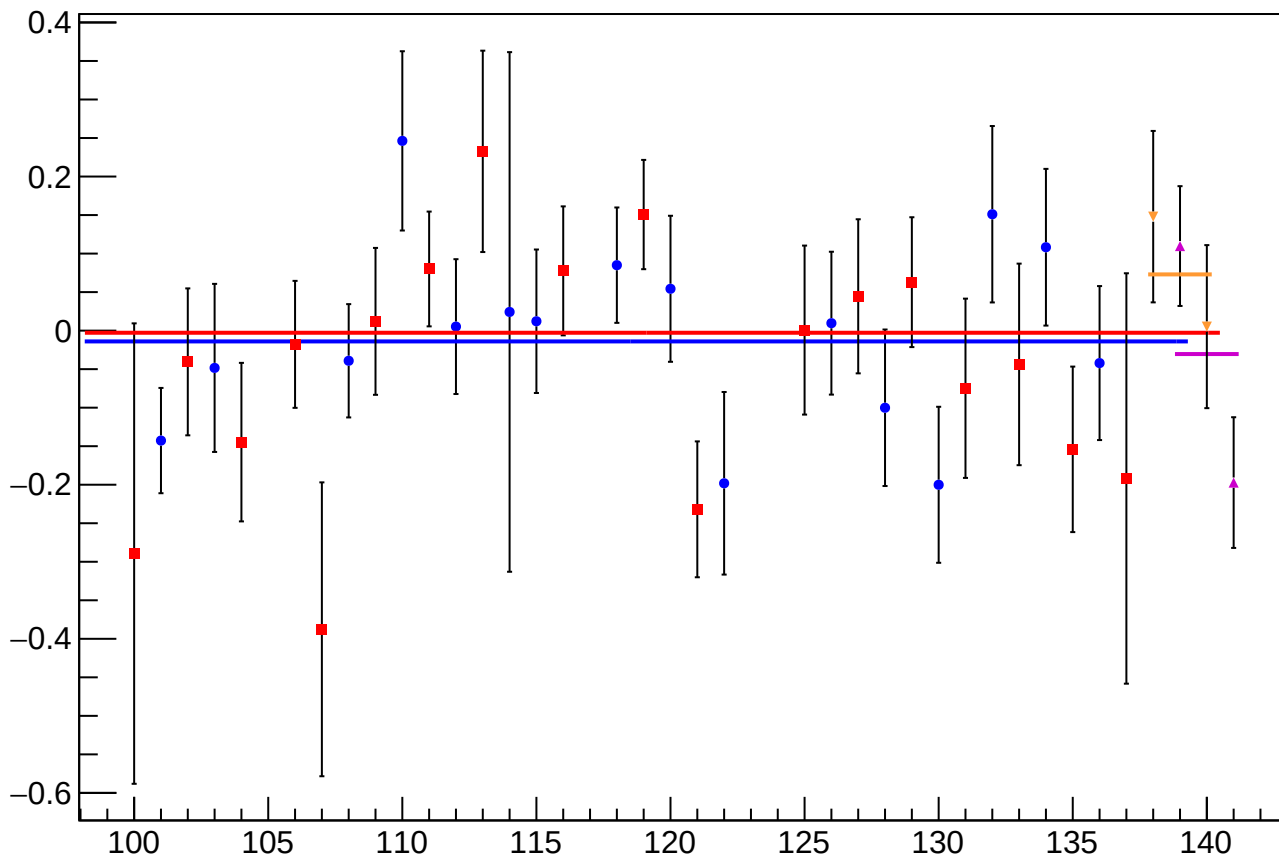
Left In: 0.000+/-0.000 χ^2/NDF : 149155.1/1

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

All: 0.000+/-0.000 χ^2/NDF : 5052529.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2041934.2/19

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

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

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

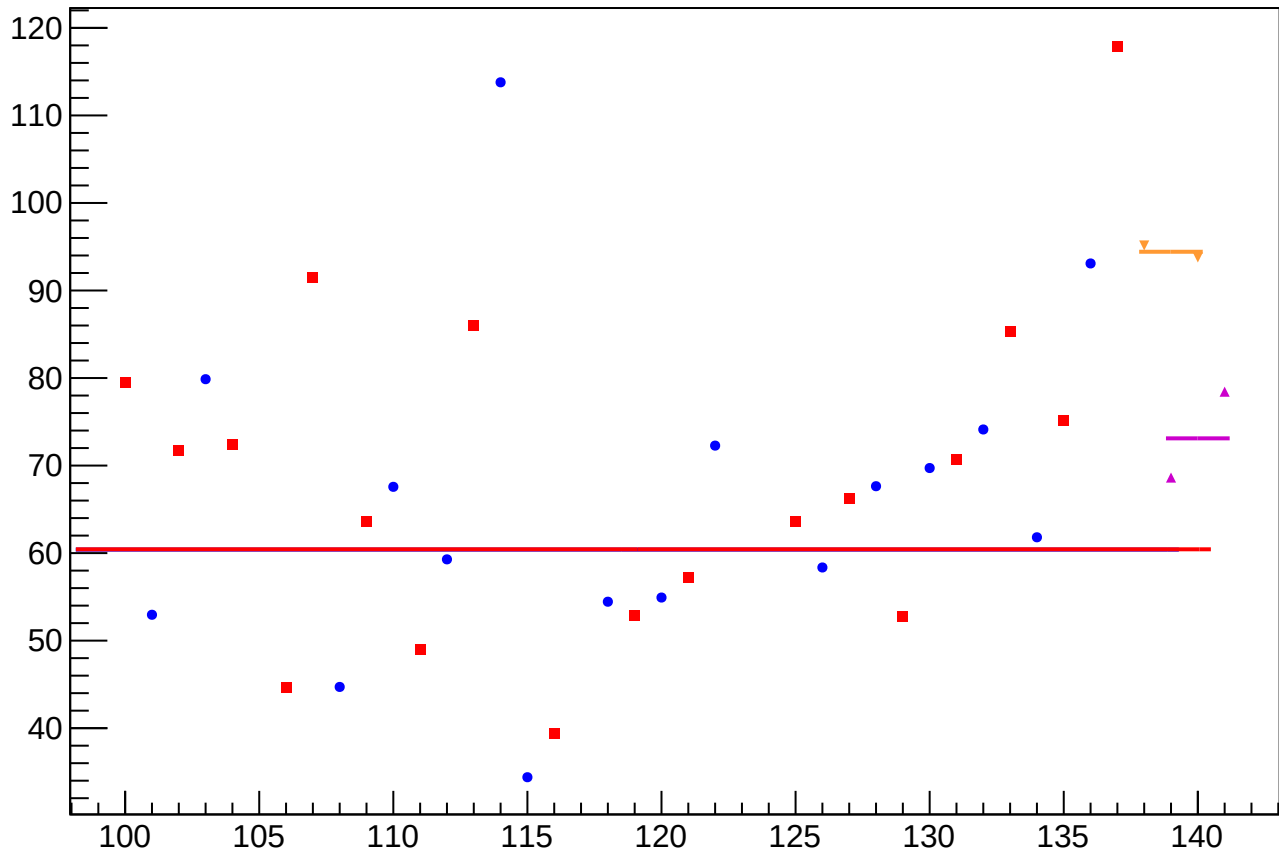
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

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

All: -0.007 ± 0.016 χ^2/NDF : 58.5/37

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

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 94.426+/-0.054 χ^2/NDF : 159.0/1

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

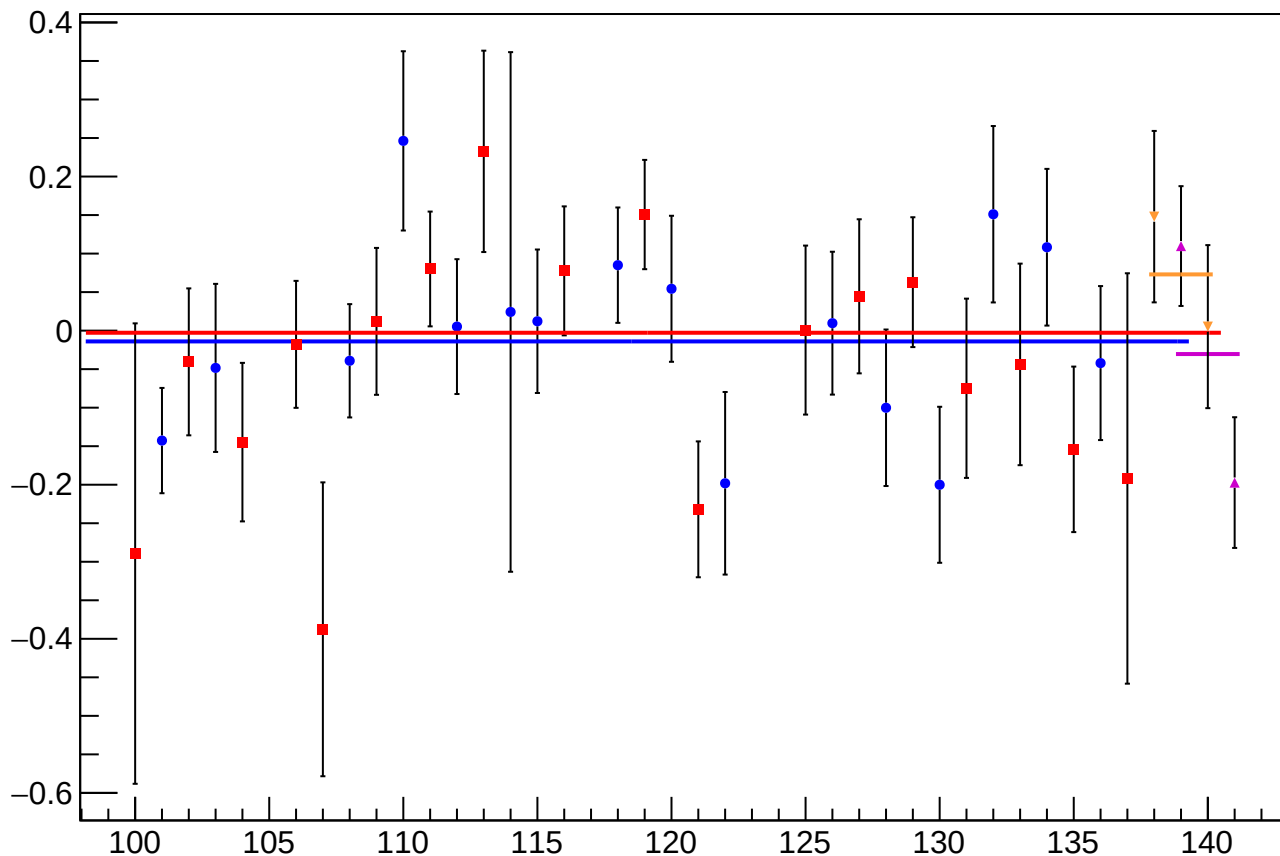
Left In: 73.109+/-0.041 χ^2/NDF : 14541.4/1

+ sign 63.403+/-0.016 χ^2/NDF : 1062421.2/17

All: 62.831+/-0.011 χ^2/NDF : 1873940.8/37

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

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 $\chi^2/\text{NDF}: 27.8/17$

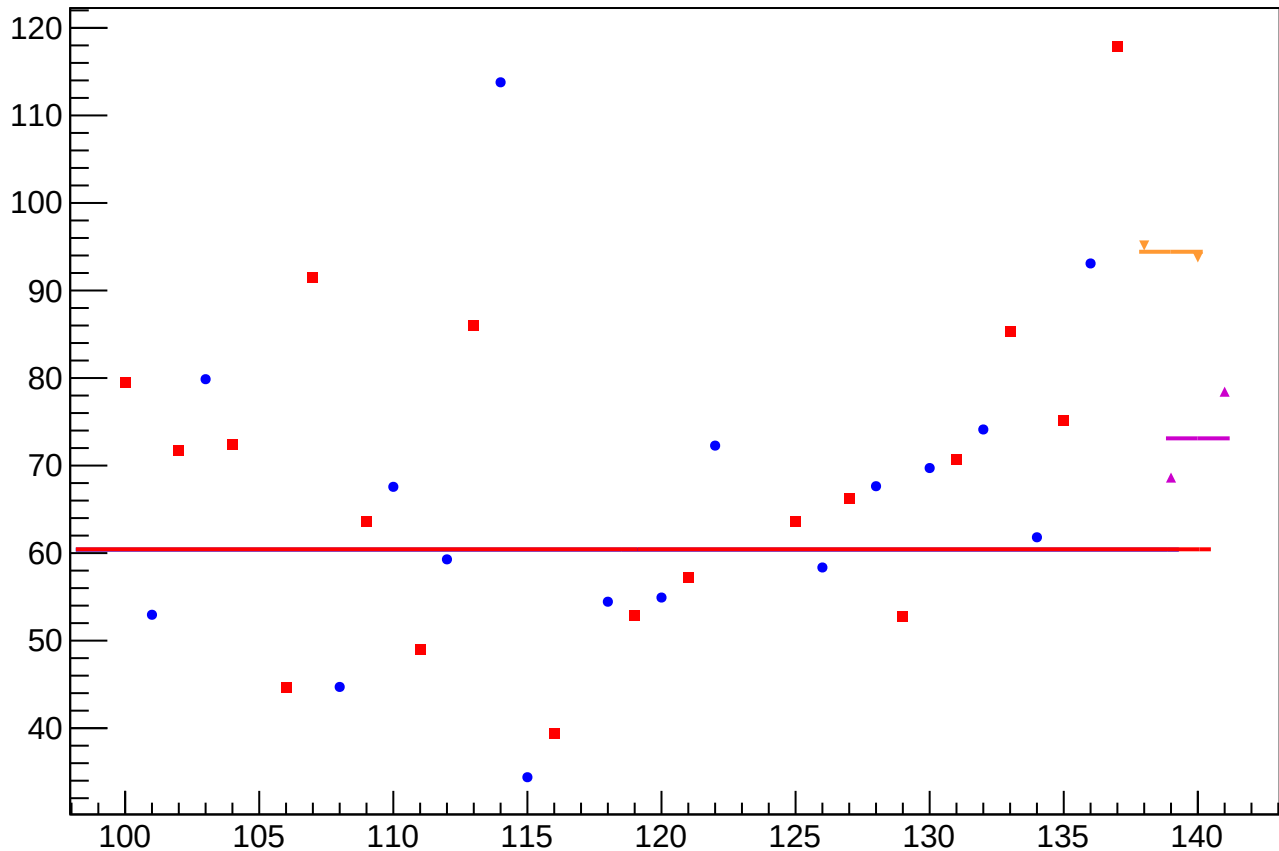
Left In: -0.030 ± 0.057 $\chi^2/\text{NDF}: 7.1/1$

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

All: -0.007 ± 0.016 $\chi^2/\text{NDF}: 58.5/37$

- sign -0.007 ± 0.022 $\chi^2/\text{NDF}: 35.1/19$

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 94.426+/-0.054 χ^2/NDF : 159.0/1

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

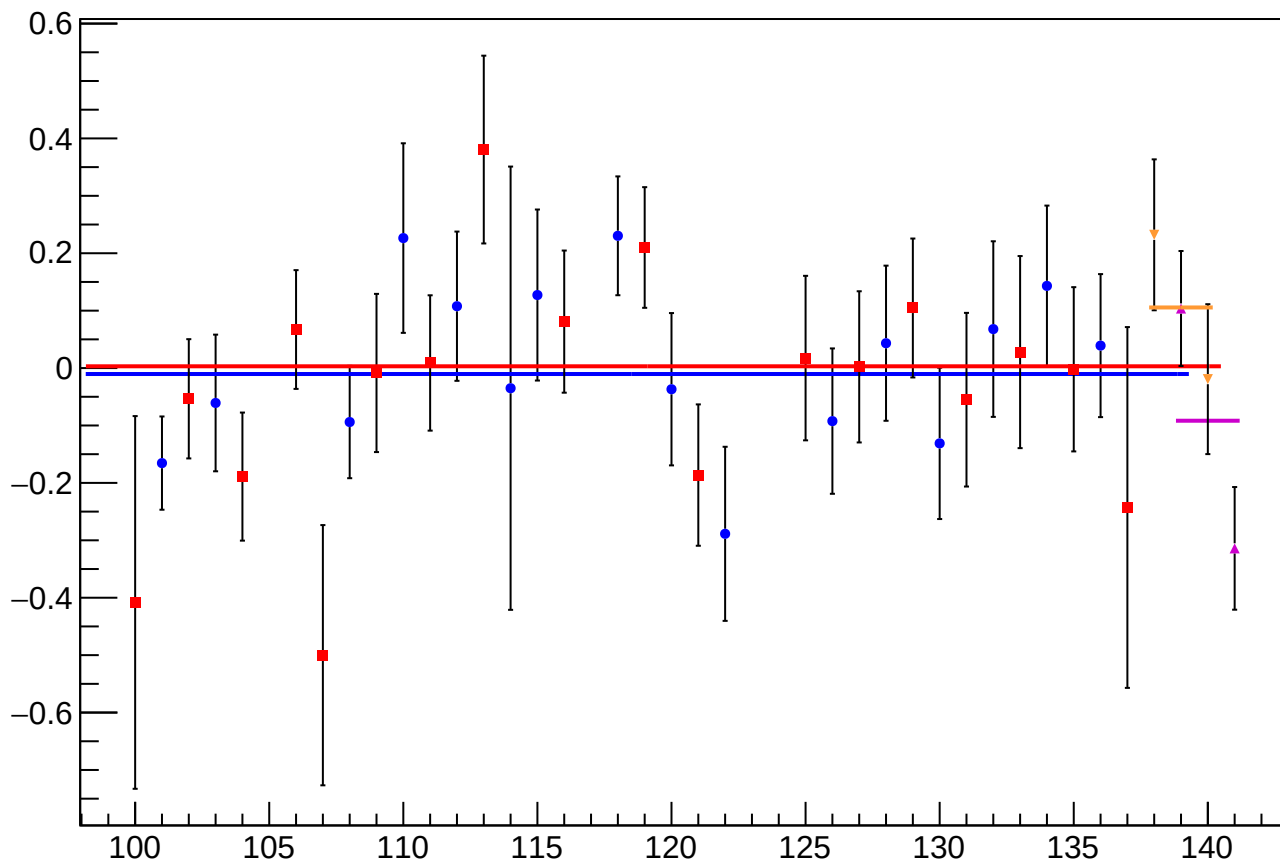
Left In: 73.109+/-0.041 χ^2/NDF : 14541.4/1

+ sign 63.403+/-0.016 χ^2/NDF : 1062421.2/17

All: 62.831+/-0.011 χ^2/NDF : 1873940.8/37

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

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

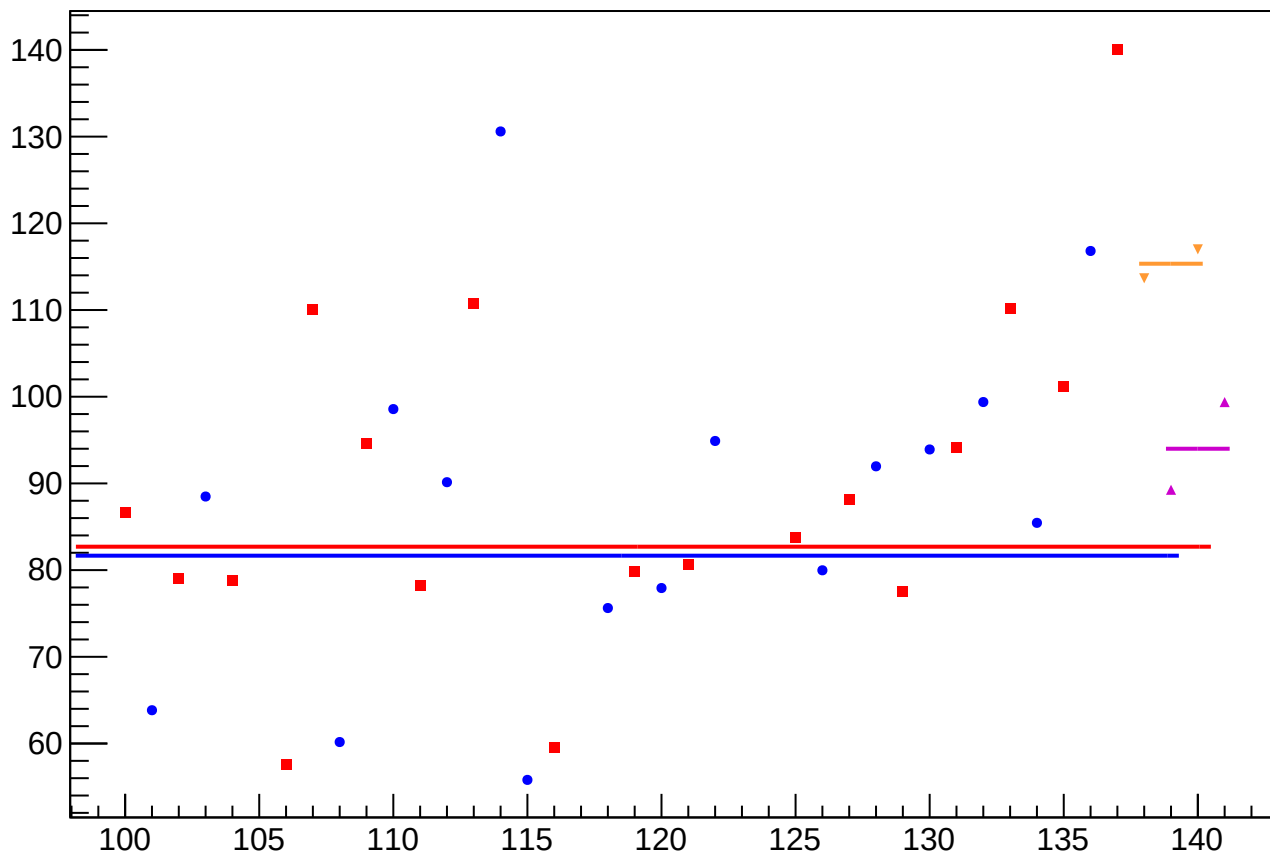
Left In: -0.092 ± 0.073 χ^2/NDF : 8.1/1

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

All: -0.005 ± 0.021 χ^2/NDF : 56.7/37

- sign -0.012 ± 0.029 χ^2/NDF : 33.2/19

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.340+/-0.065 χ^2/NDF : 649.6/1

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

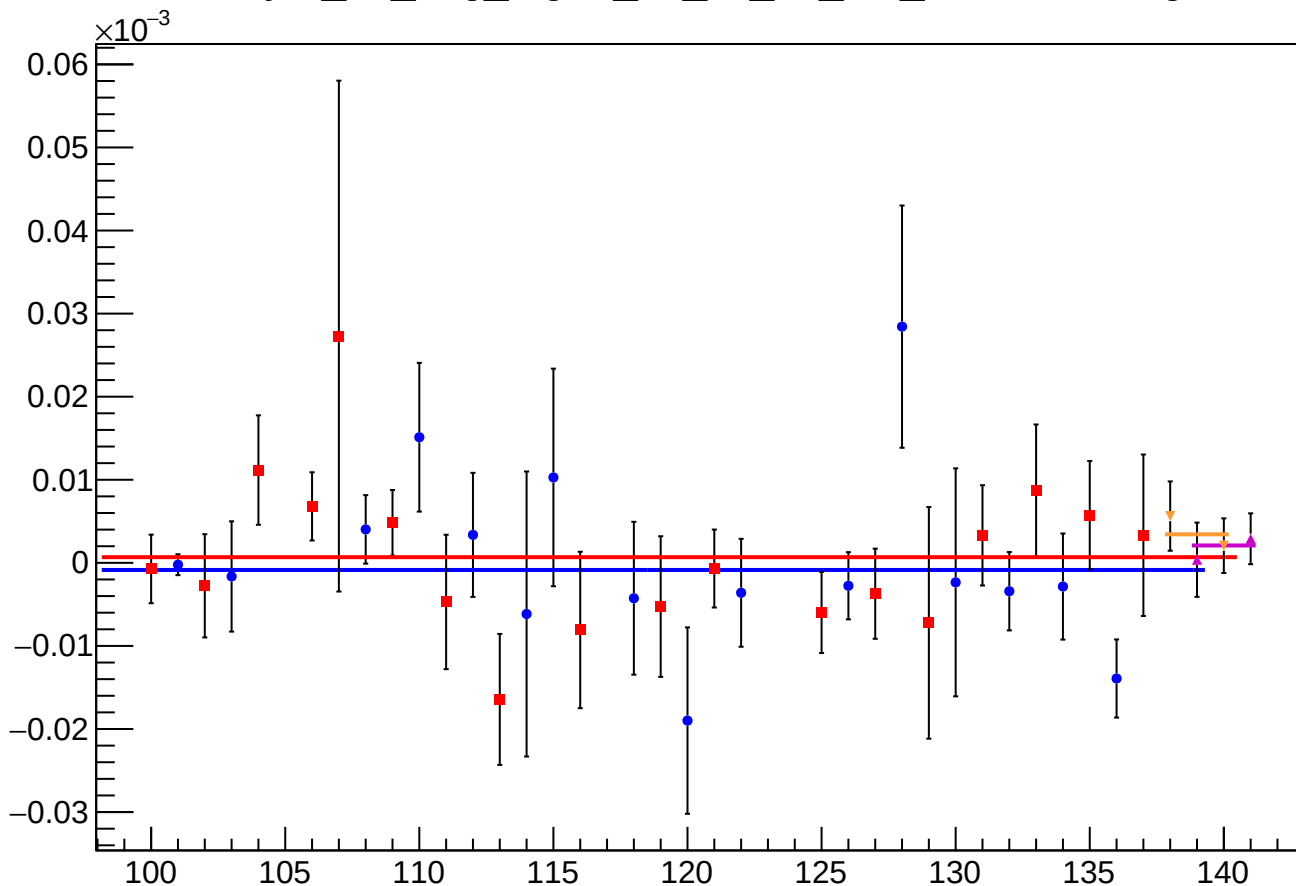
Left In: 94.000+/-0.052 χ^2/NDF : 9539.8/1

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

All: 84.826+/-0.015 χ^2/NDF : 1322685.5/37

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

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

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

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

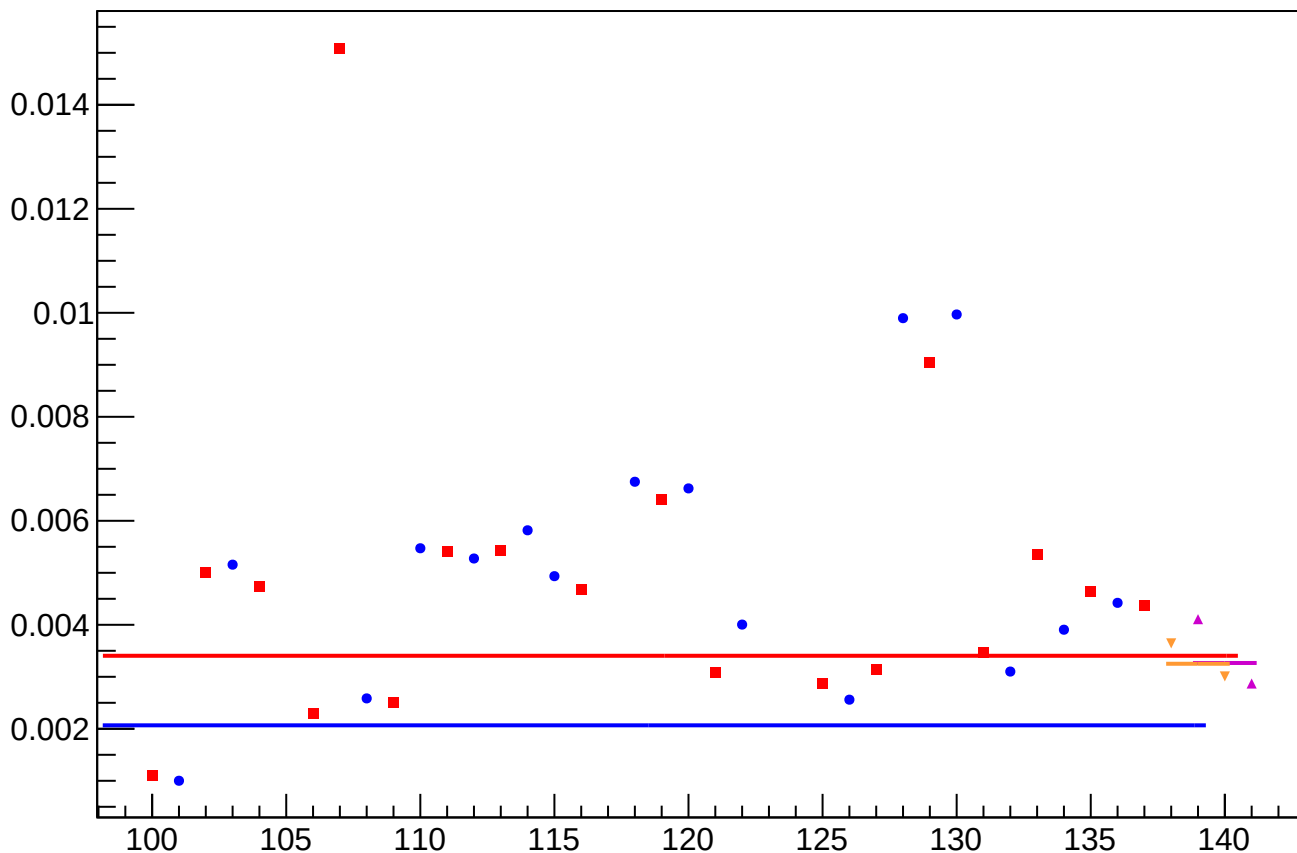
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

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

All: 0.000 ± 0.000 χ^2/NDF : 43.6/37

- sign 0.000 ± 0.000 χ^2/NDF : 18.8/19

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.003+/-0.000 χ^2/NDF : 28639.5/1

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

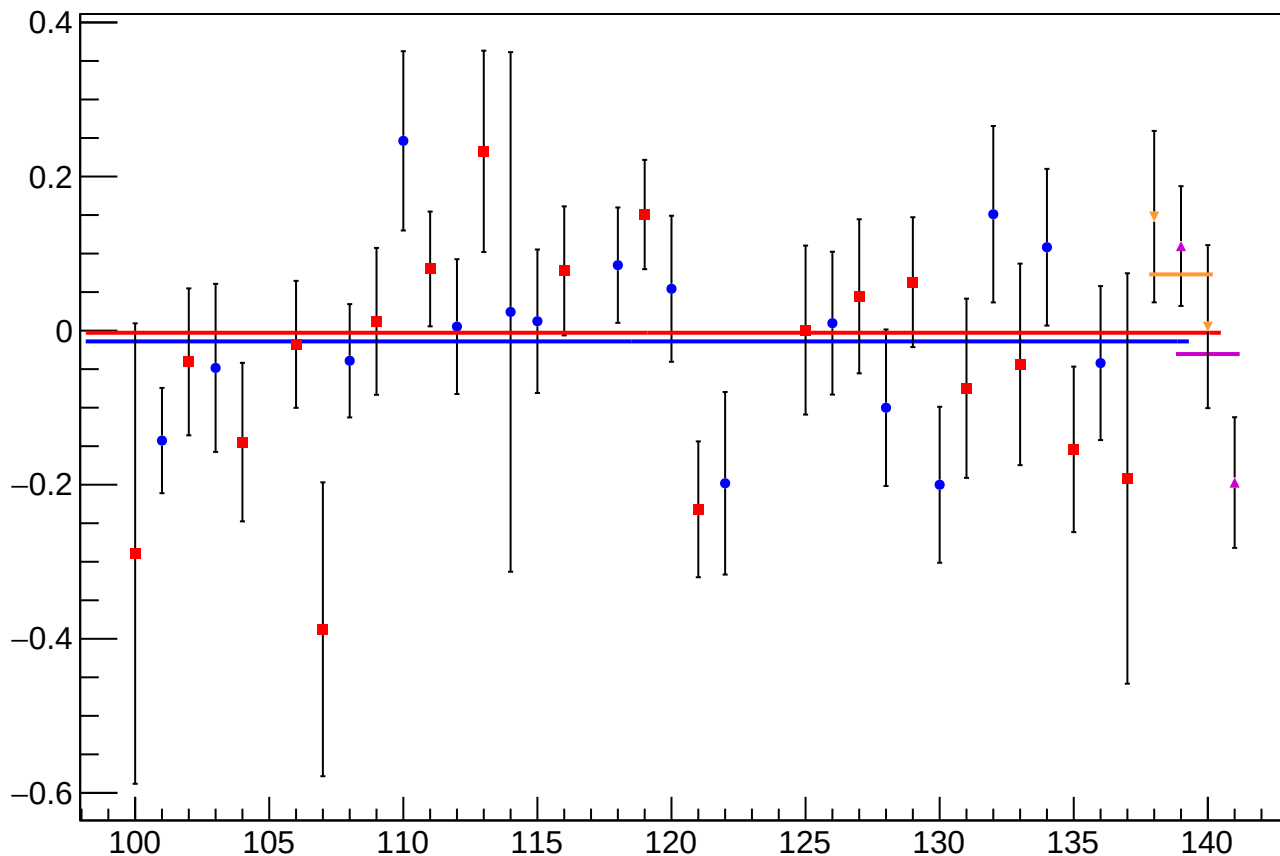
Left In: 0.003+/-0.000 χ^2/NDF : 104424.8/1

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

All: 0.003+/-0.000 χ^2/NDF : 9894268.9/37

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

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

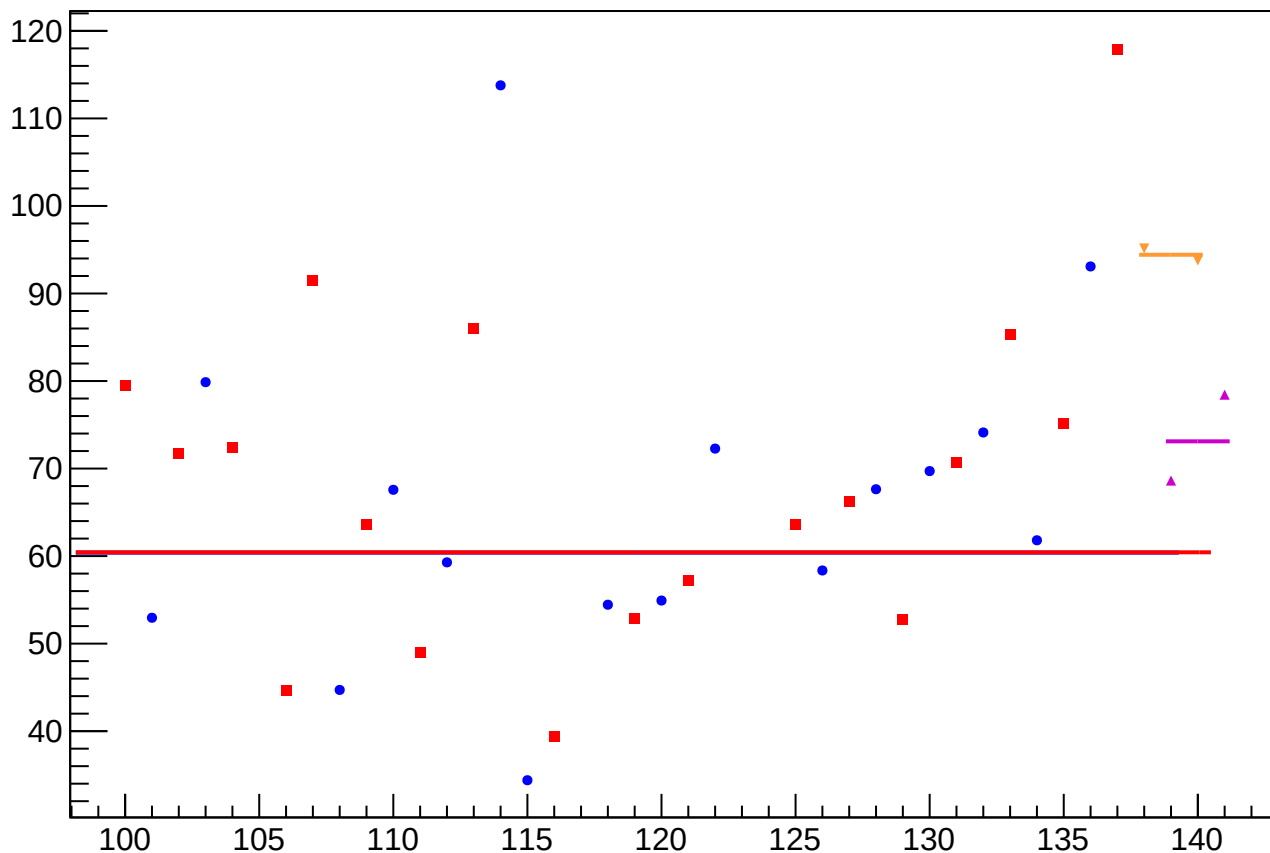
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

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

All: -0.007 ± 0.016 χ^2/NDF : 58.5/37

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

asym_us_avg_eigen_dit_vs_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

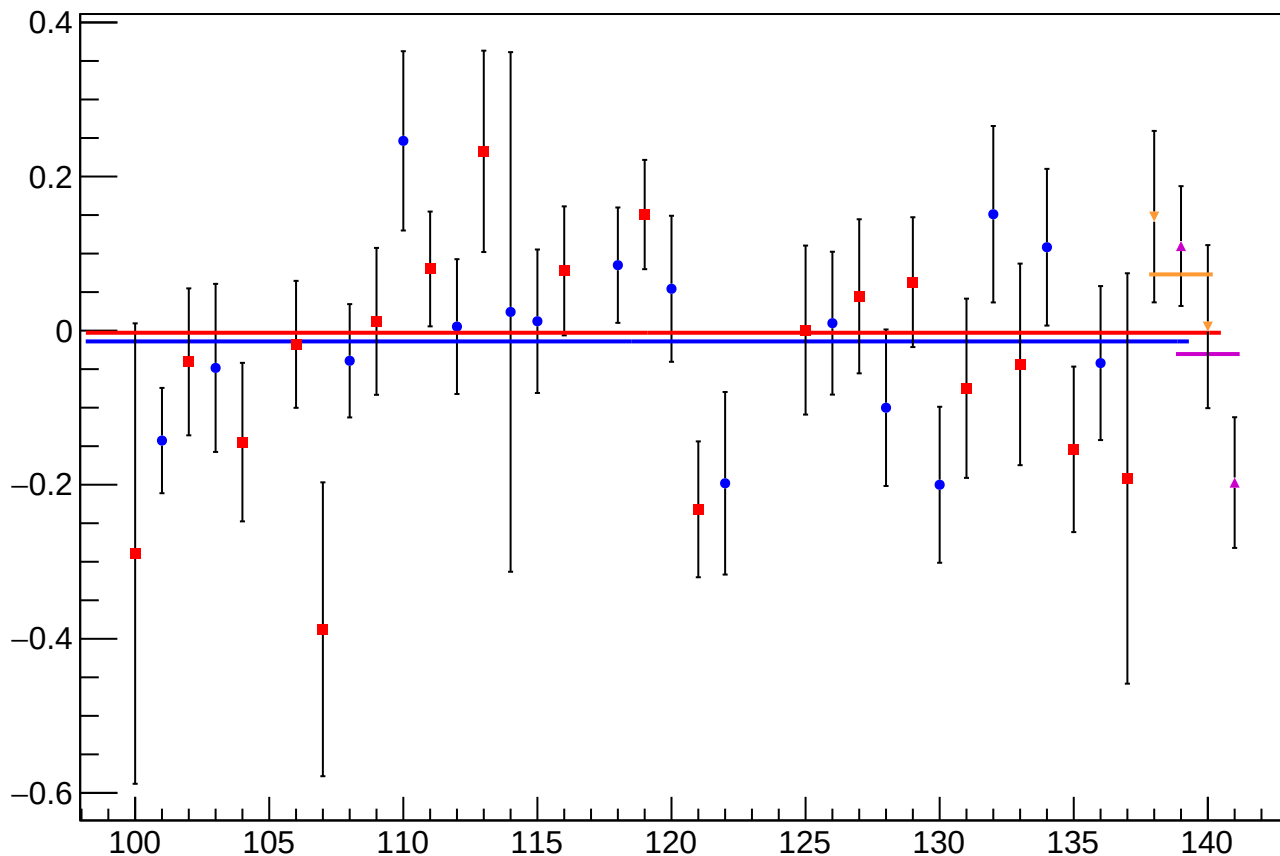
Left In: 73.110 $\pm$ 0.041 χ^2 /NDF:14537.2/1

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

All: 62.829 $\pm$ 0.011 χ^2 /NDF: 1874039.7/37

- sign 62.296 $\pm$ 0.016 χ^2 /NDF: 809132.7/19

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

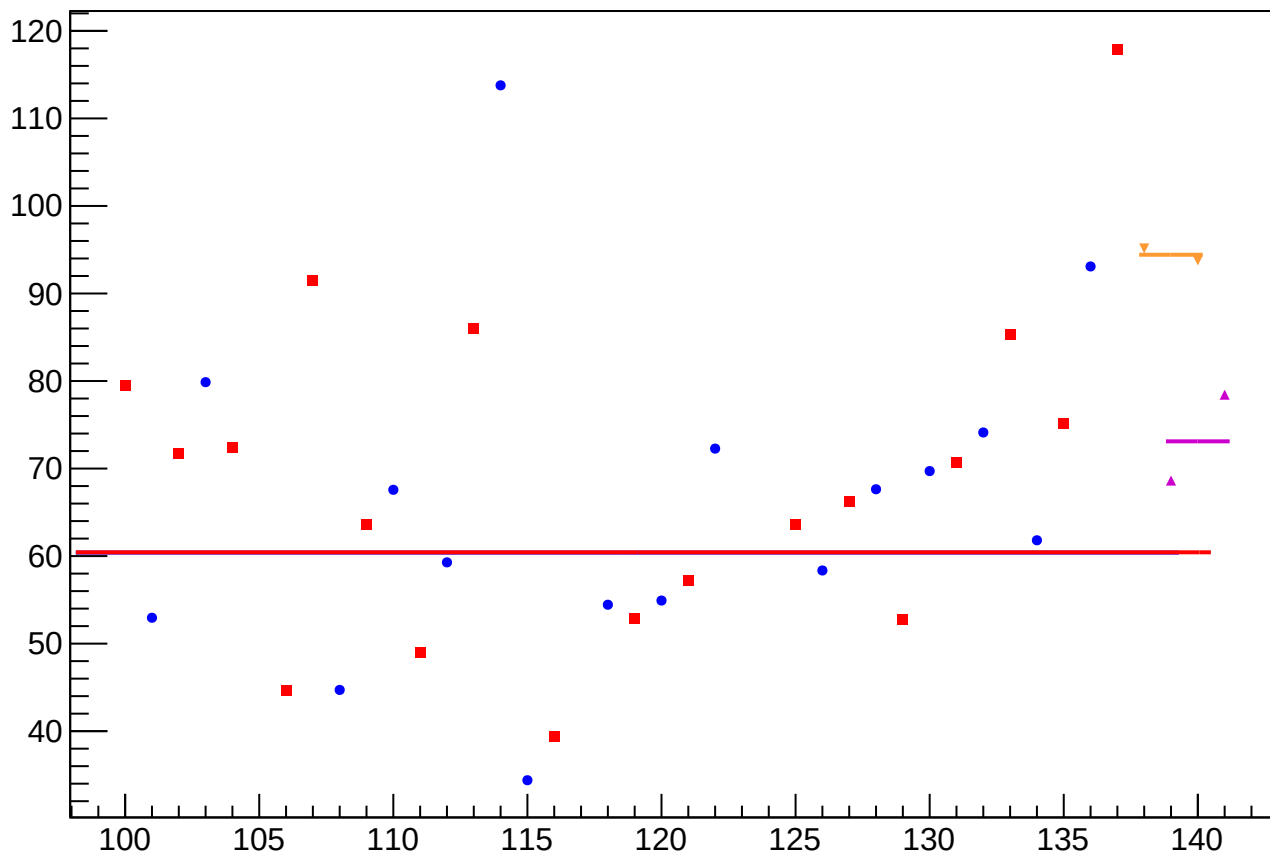
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

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

All: -0.007 ± 0.016 χ^2/NDF : 58.5/37

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

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

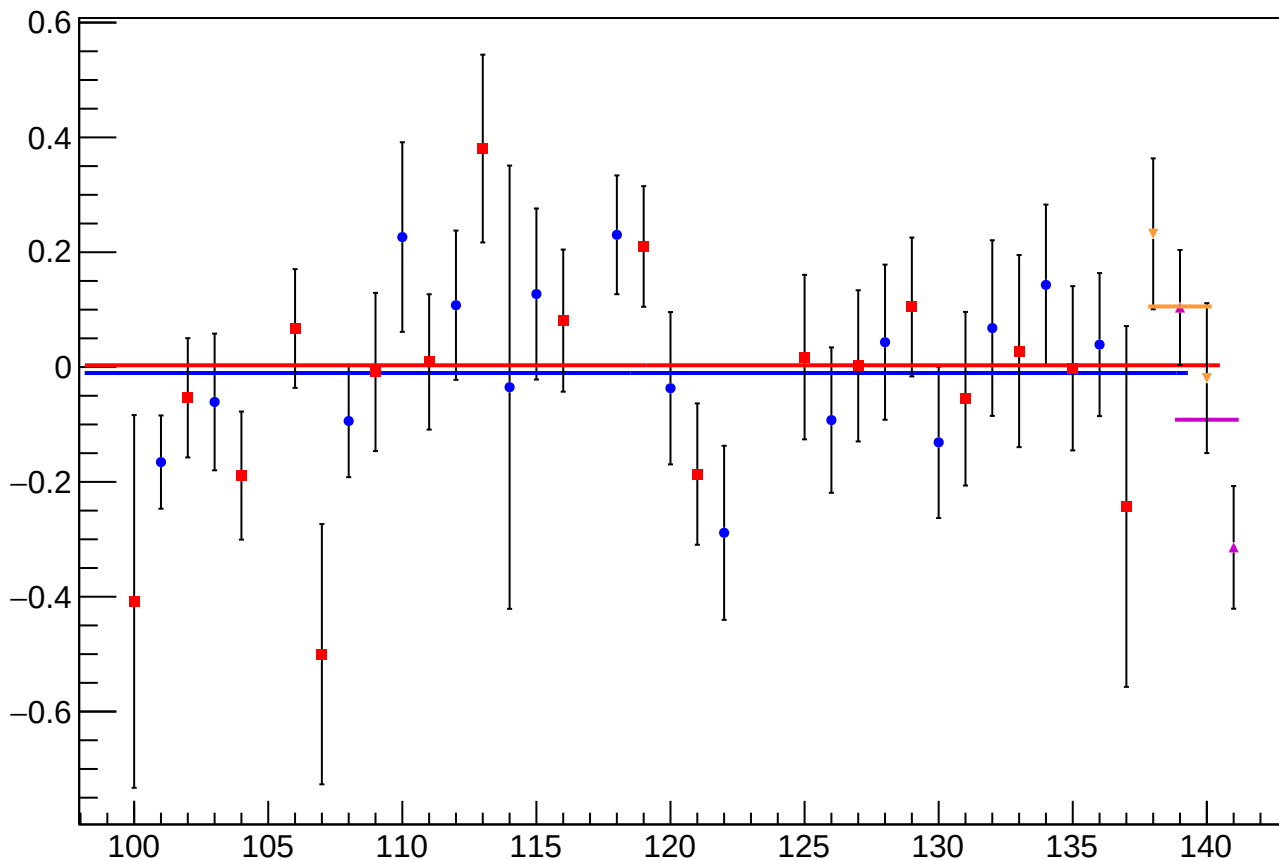
Left In: 73.110 $\pm$ 0.041 χ^2 /NDF:14537.2/1

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

All: 62.829 $\pm$ 0.011 χ^2 /NDF: 1874039.7/37

- sign 62.296 $\pm$ 0.016 χ^2 /NDF: 809132.7/19

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010 $\pm$ 0.032 χ^2/NDF : 20.2/15

Left Out: 0.106 $\pm$ 0.093 χ^2/NDF : 1.8/1

Right Out: 0.003 $\pm$ 0.032 χ^2/NDF : 23.7/17

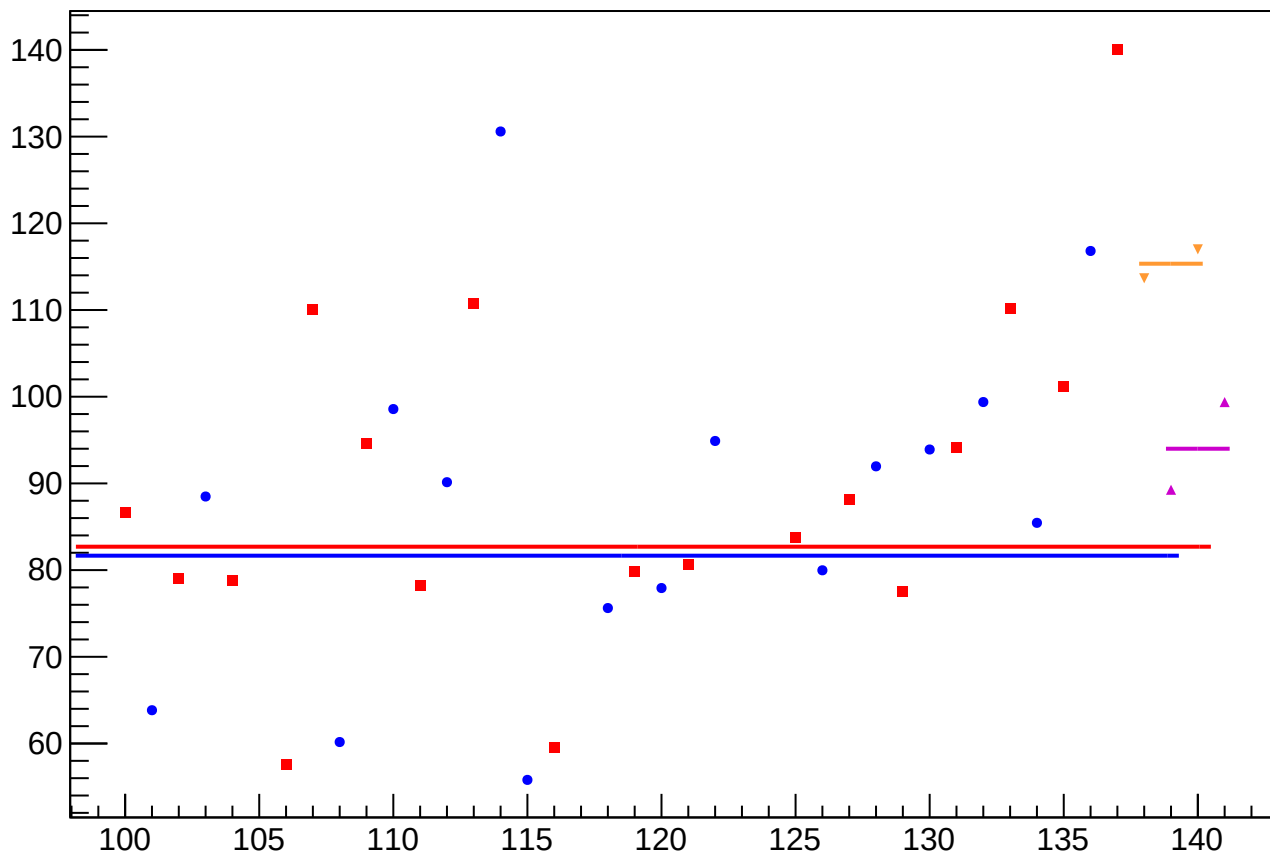
Left In: -0.092 $\pm$ 0.073 χ^2/NDF : 8.1/1

+ sign 0.002 $\pm$ 0.030 χ^2/NDF : 23.4/17

All: -0.005 $\pm$ 0.021 χ^2/NDF : 56.7/37

- sign -0.012 $\pm$ 0.029 χ^2/NDF : 33.2/19

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.663 $\pm$ 0.022 χ^2/NDF : 561836.4/15

Left Out: 115.340 $\pm$ 0.065 χ^2/NDF : 649.5/1

Right Out: 82.700 $\pm$ 0.022 χ^2/NDF : 473062.4/17

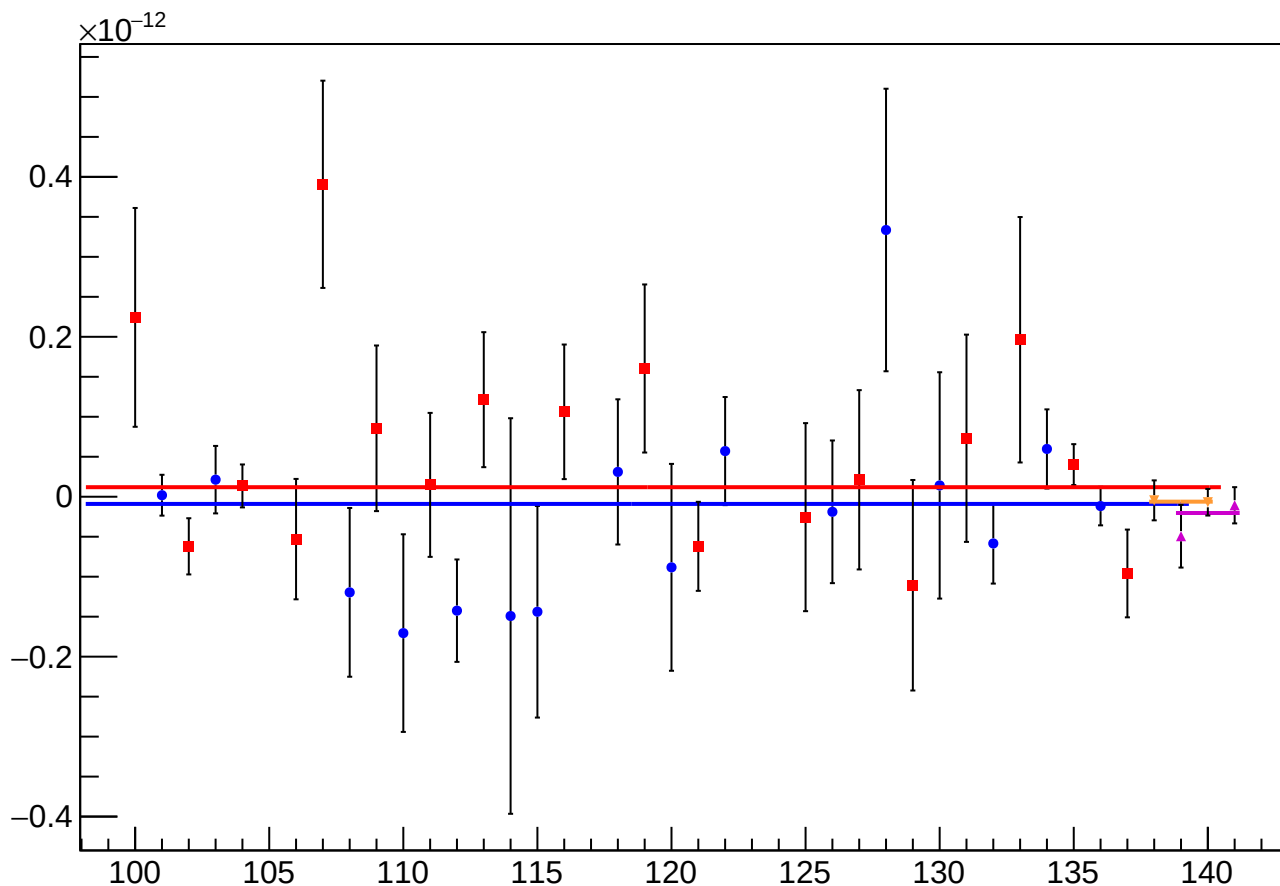
Left In: 94.000 $\pm$ 0.052 χ^2/NDF : 9537.5/1

+ sign 85.175 $\pm$ 0.021 χ^2/NDF : 799314.8/17

All: 84.825 $\pm$ 0.015 χ^2/NDF : 1322690.4/37

- sign 84.494 $\pm$ 0.021 χ^2/NDF : 522843.1/19

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

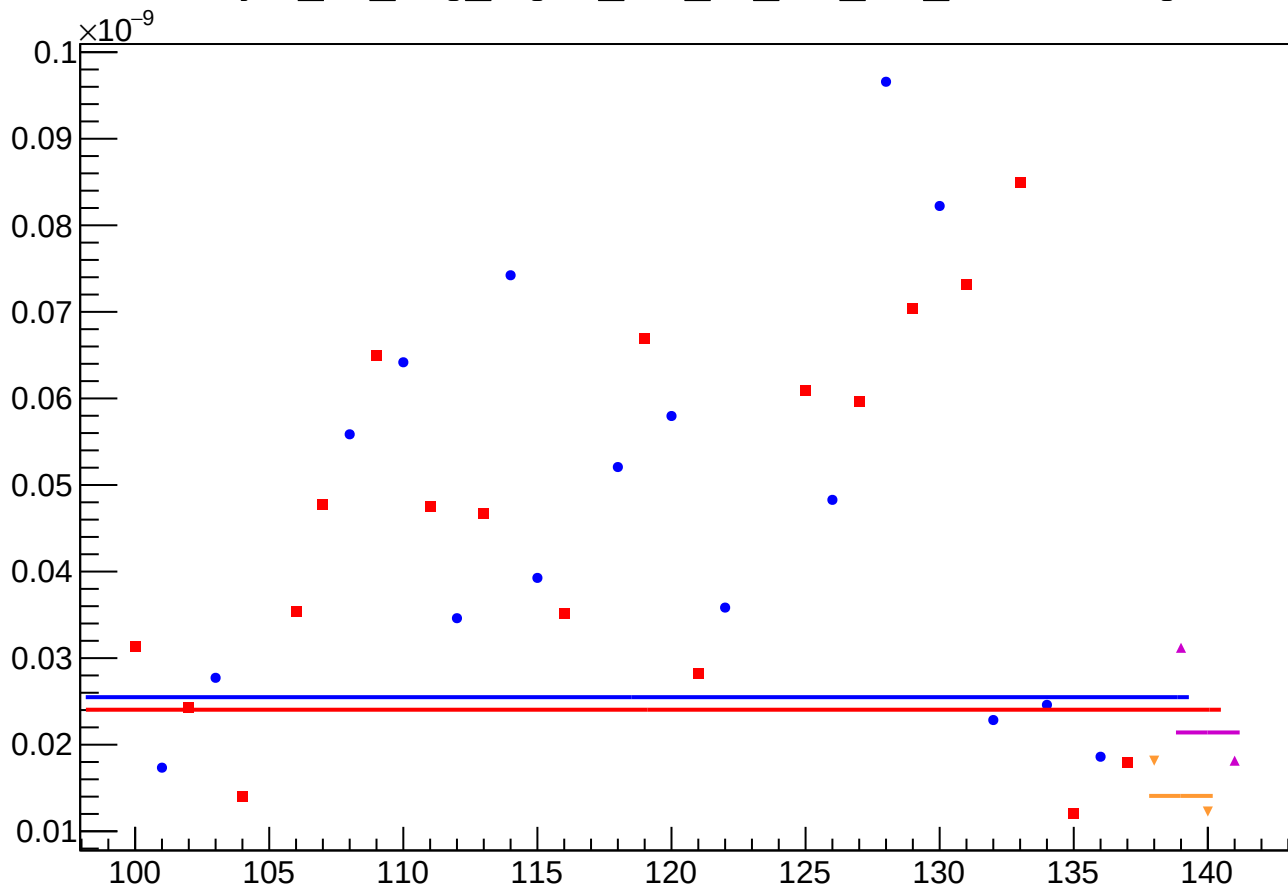
Left In: -0.000+/-0.000 χ^2/NDF : 0.7/1

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

All: -0.000+/-0.000 χ^2/NDF : 51.5/37

- sign 0.000+/-0.000 χ^2/NDF : 33.6/19

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 1999848.1/15

Left Out: 0.000 +/- 0.000 χ^2/NDF : 76639.9/1

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

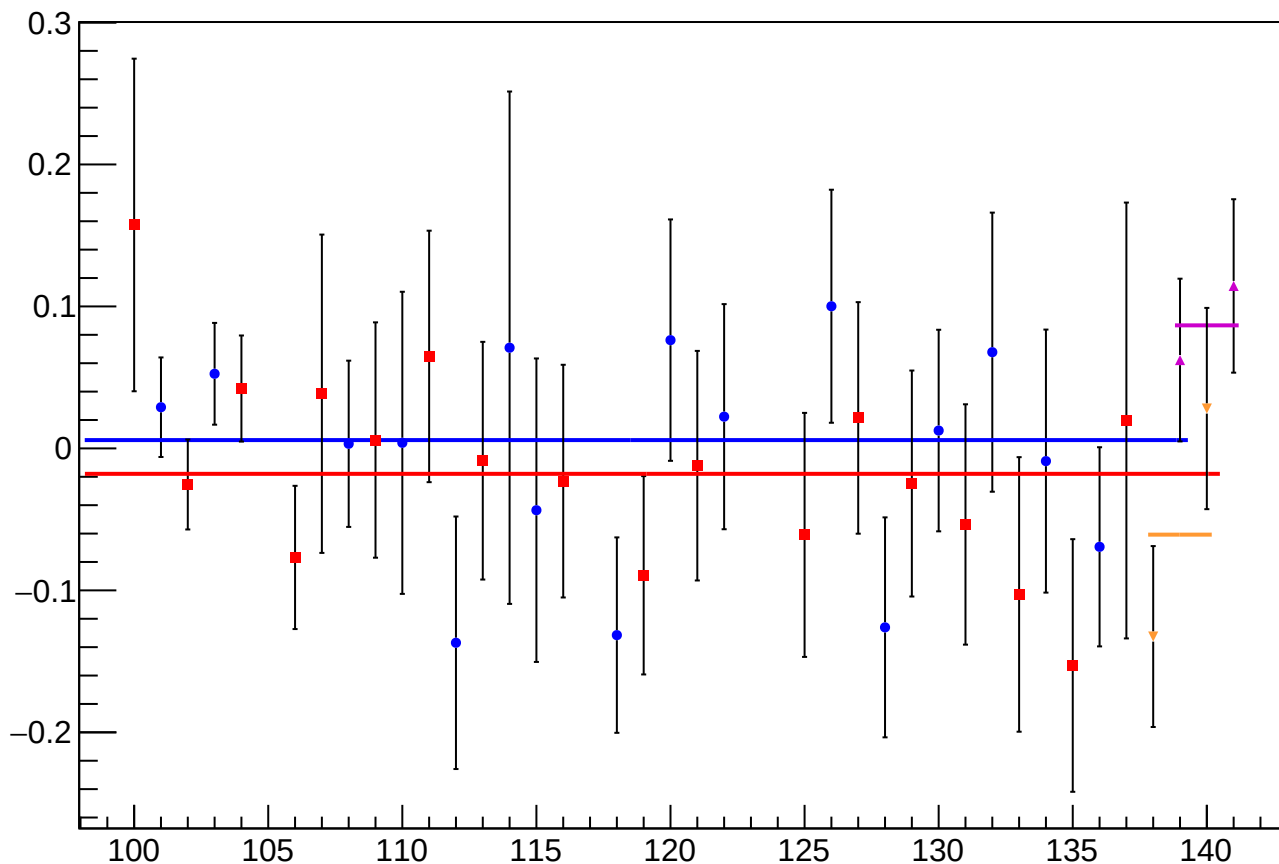
Left In: 0.000 +/- 0.000 χ^2/NDF : 165554.2/1

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

All: 0.000 +/- 0.000 χ^2/NDF : 6153015.6/37

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 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

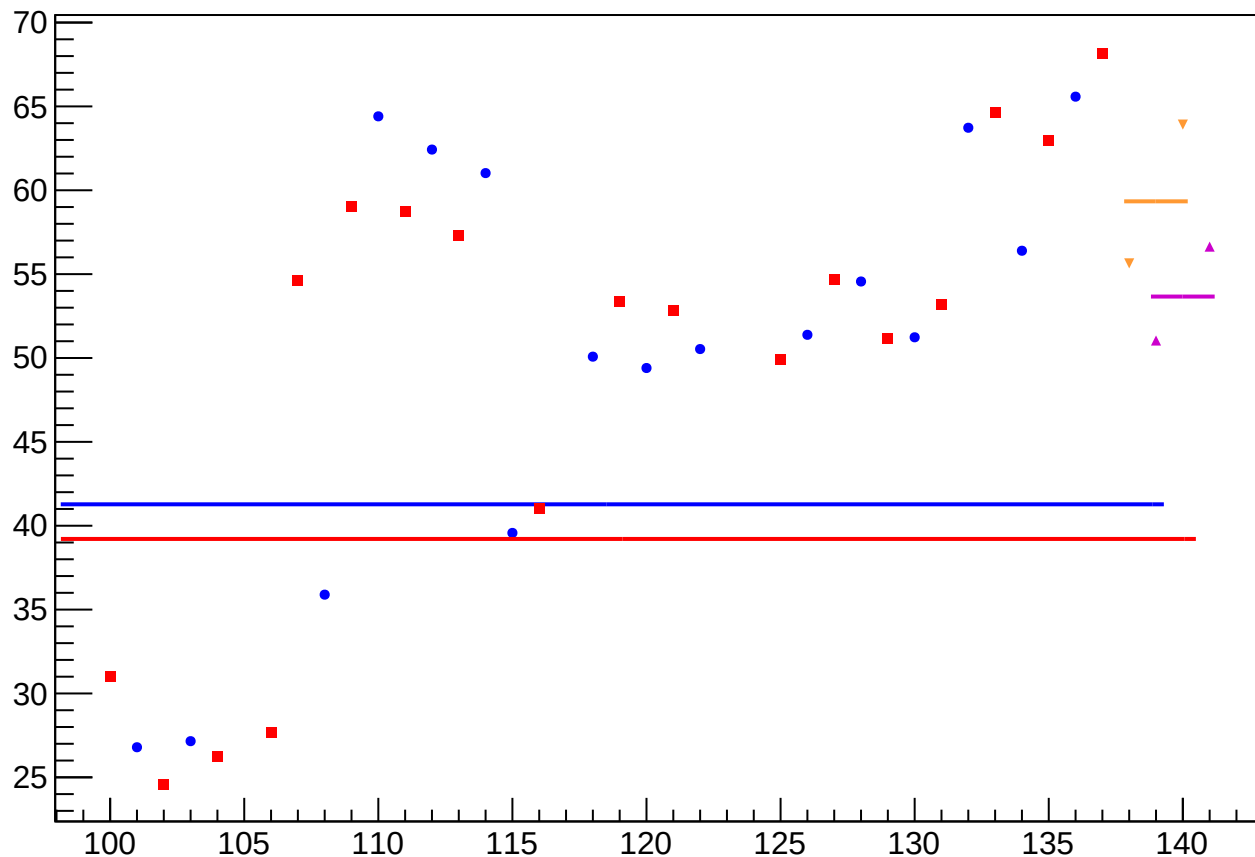
Left In: 0.087 $\pm$ 0.042 χ^2 /NDF: 0.4/1

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

All: -0.003 $\pm$ 0.011 χ^2 /NDF: 38.4/37

- sign -0.005 $\pm$ 0.015 χ^2 /NDF: 18.2/19

asym_us_avg_overload_cor_vs_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

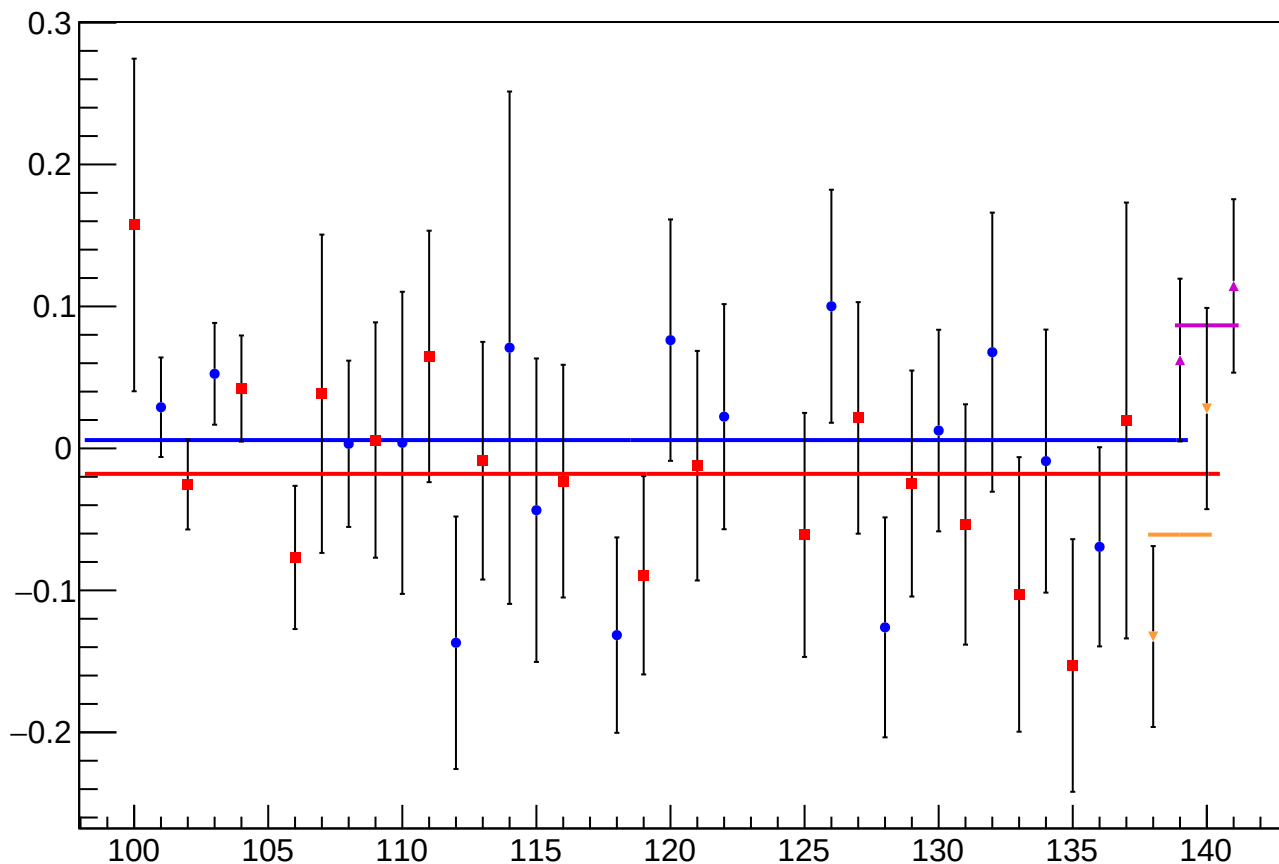
Left In: 53.663 $\pm$ 0.030 χ^2 /NDF: 8932.7/1

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

All: 42.056 $\pm$ 0.008 χ^2 /NDF: 3839314.9/37

- sign 41.006 $\pm$ 0.010 χ^2 /NDF: 2038298.3/19

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.017 $\chi^2/\text{NDF}: 15.6/15$

Left Out: -0.061 ± 0.047 $\chi^2/\text{NDF}: 2.8/1$

Right Out: -0.018 ± 0.016 $\chi^2/\text{NDF}: 12.3/17$

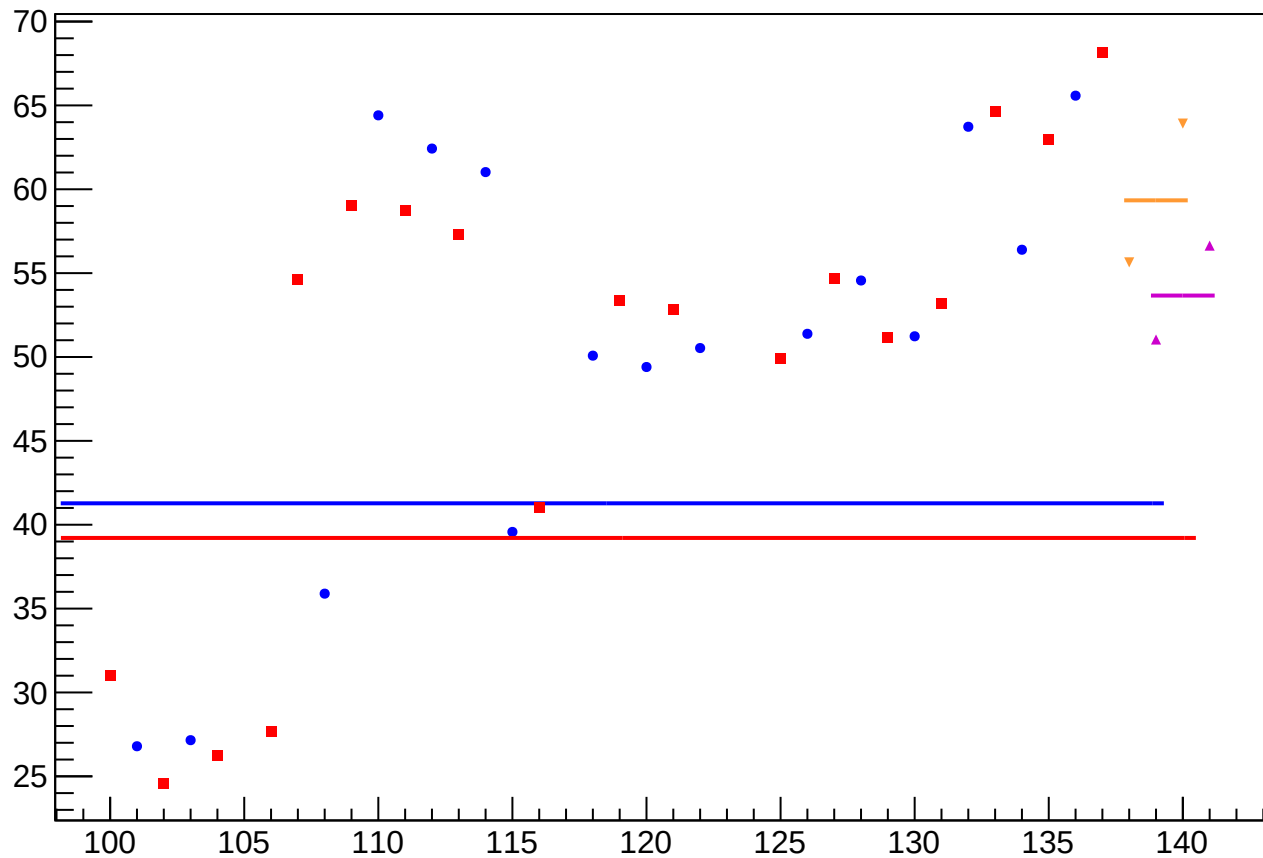
Left In: 0.087 ± 0.042 $\chi^2/\text{NDF}: 0.4/1$

+ sign -0.001 ± 0.016 $\chi^2/\text{NDF}: 20.2/17$

All: -0.003 ± 0.011 $\chi^2/\text{NDF}: 38.4/37$

- sign -0.005 ± 0.015 $\chi^2/\text{NDF}: 18.2/19$

asym_us_avg_overload_cor_vs_eigen_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

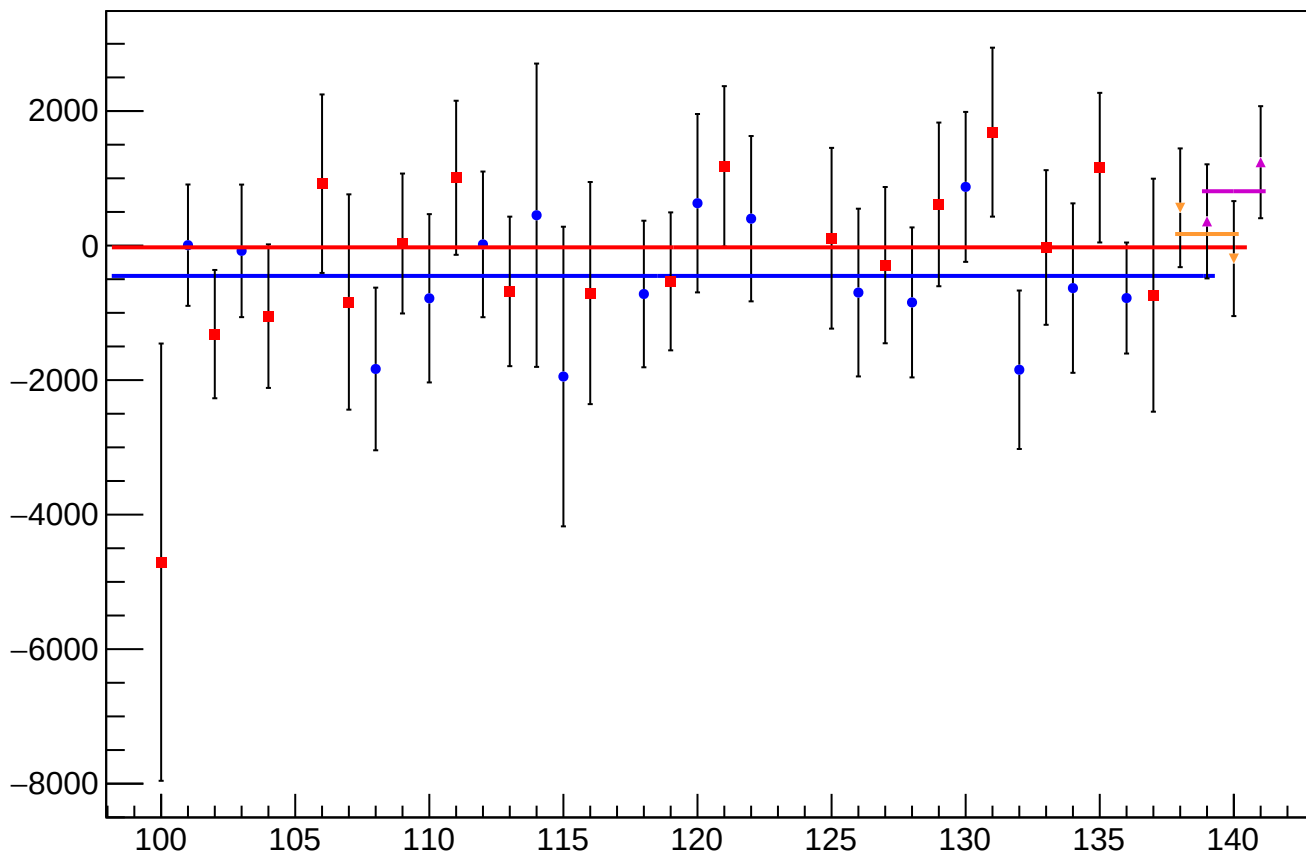
Left In: 53.663+/-0.030 χ^2 /NDF: 8932.7/1

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

All: 42.056+/-0.008 χ^2 /NDF: 3839314.9/37

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

reg_asym_us_dd_mean vs Slug



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

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

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

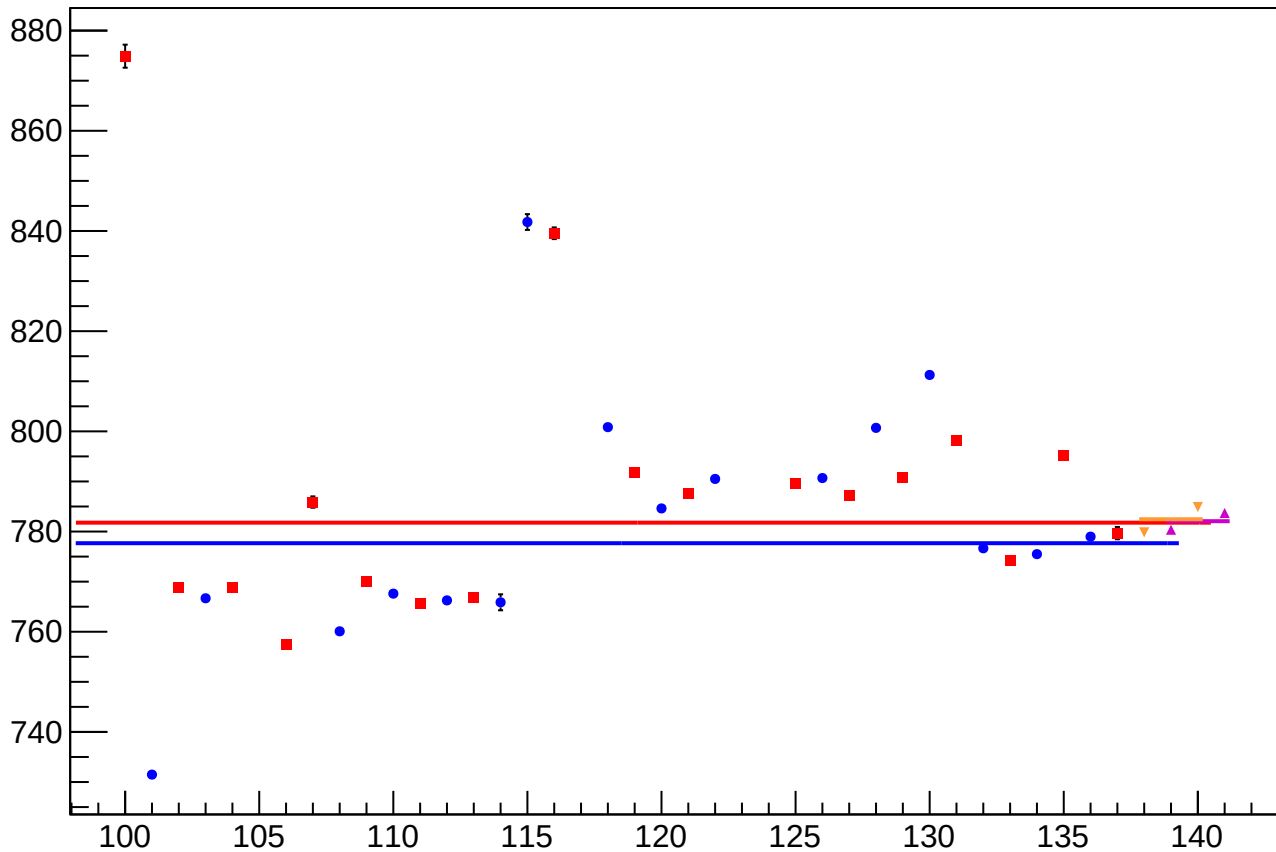
Left In: 807.849 ± 594.309 χ^2/NDF : 0.5/1

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

All: -100.718 ± 184.083 χ^2/NDF : 23.6/37

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

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

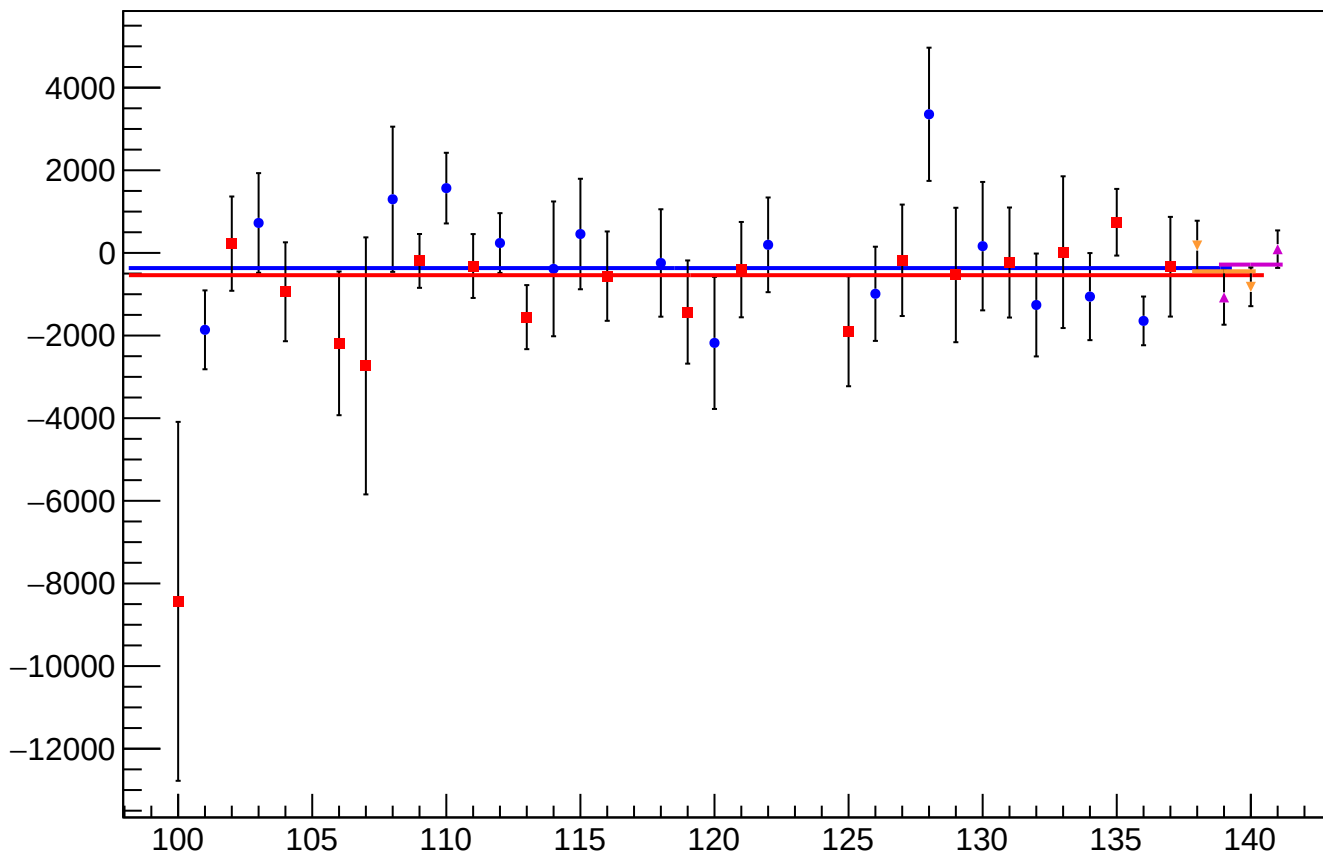
Left In: 782.070 $\pm$ 0.420 χ^2 /NDF:15.8/1

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

All: 780.201 $\pm$ 0.130 χ^2 /NDF: 19990.8/37

- sign 781.832 $\pm$ 0.183 χ^2 /NDF: 7642.5/19

asym_us_dd_reg_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

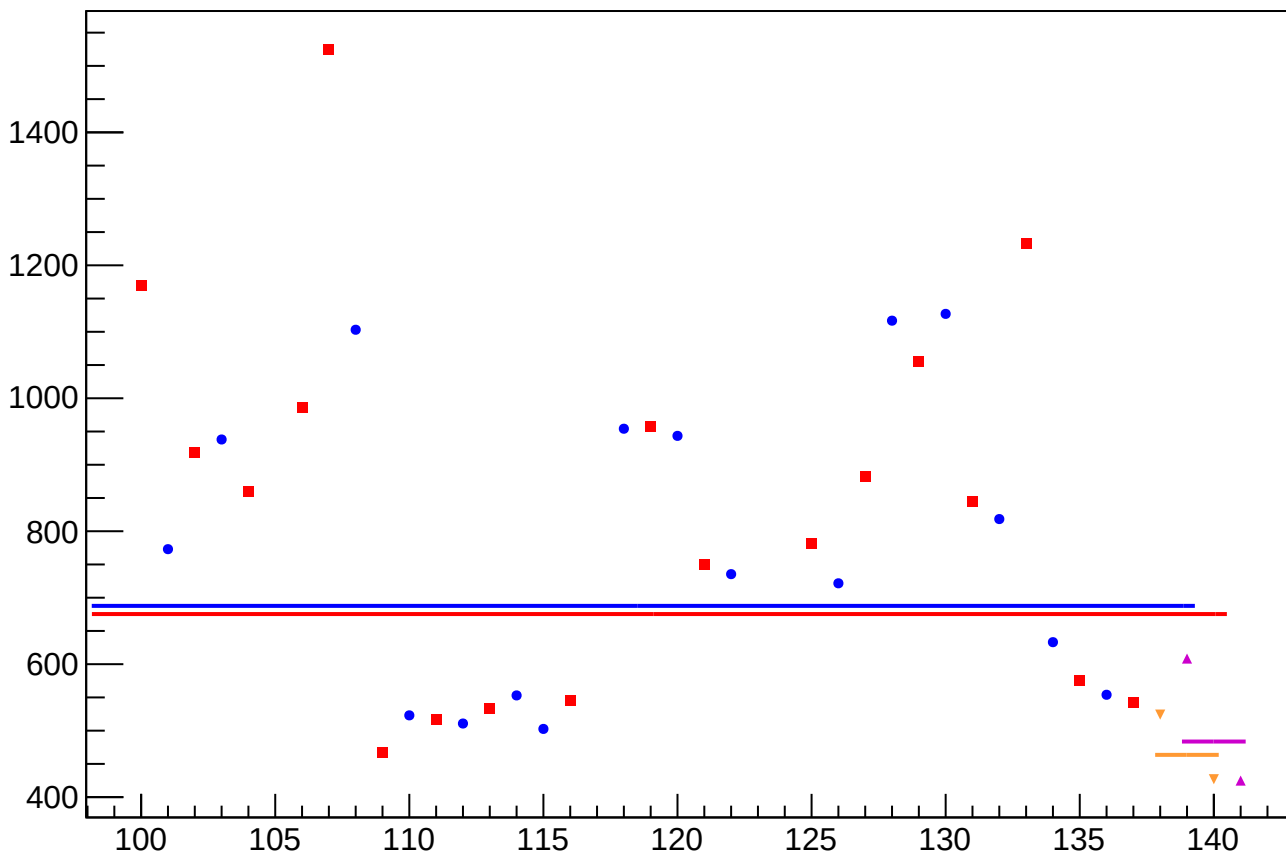
Left In: -282.587 $\pm$ 374.289 χ^2 /NDF:2.1/1

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

All: -424.058 $\pm$ 152.471 χ^2 /NDF: 39.2/37

- sign -454.210 $\pm$ 215.137 χ^2 /NDF: 14.1/19

asym_us_dd_reg_correction_rms vs Slug



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

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

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

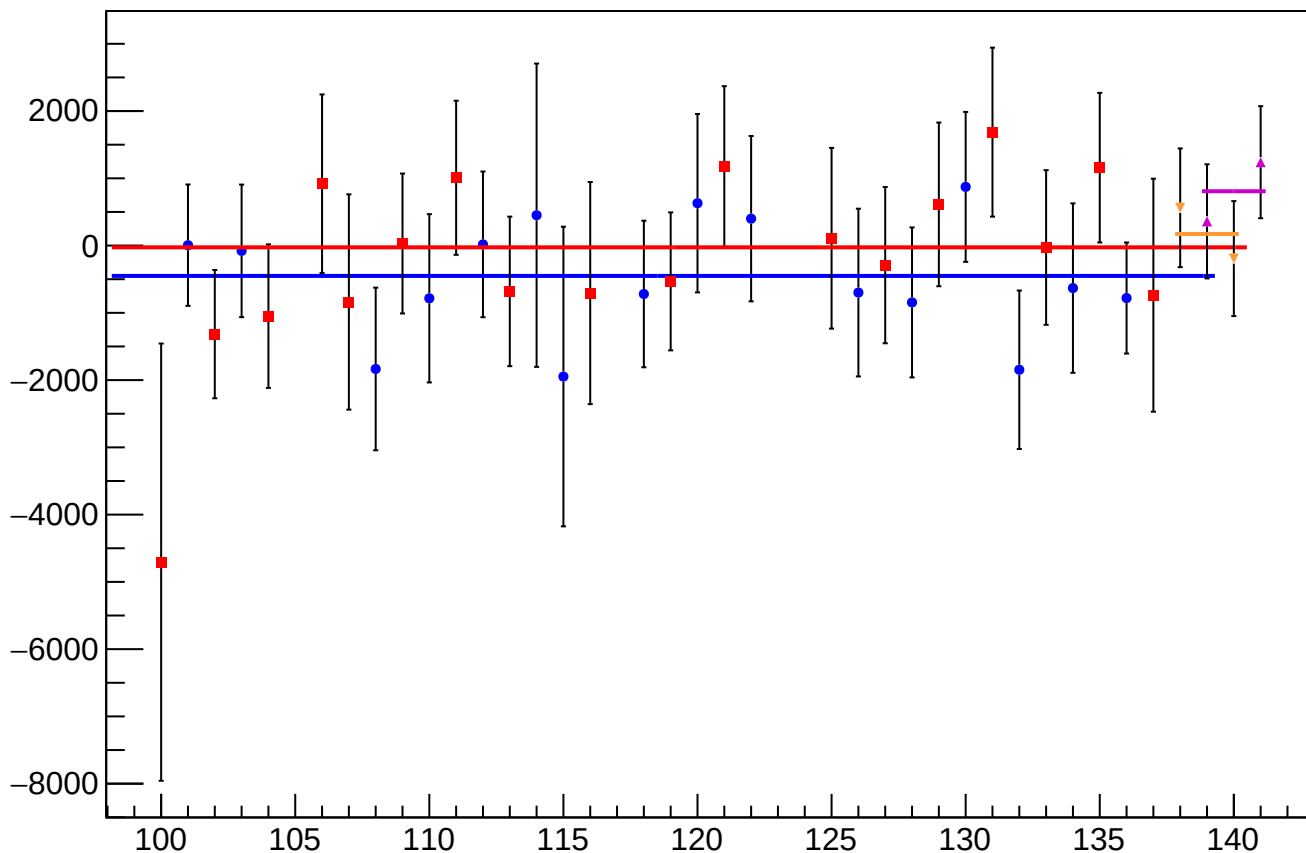
Right Out: 675.410+/-0.186 χ^2/NDF : 1313004.6/17

All: 611.411+/-0.108 χ^2/NDF : 3318782.2/37

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

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

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

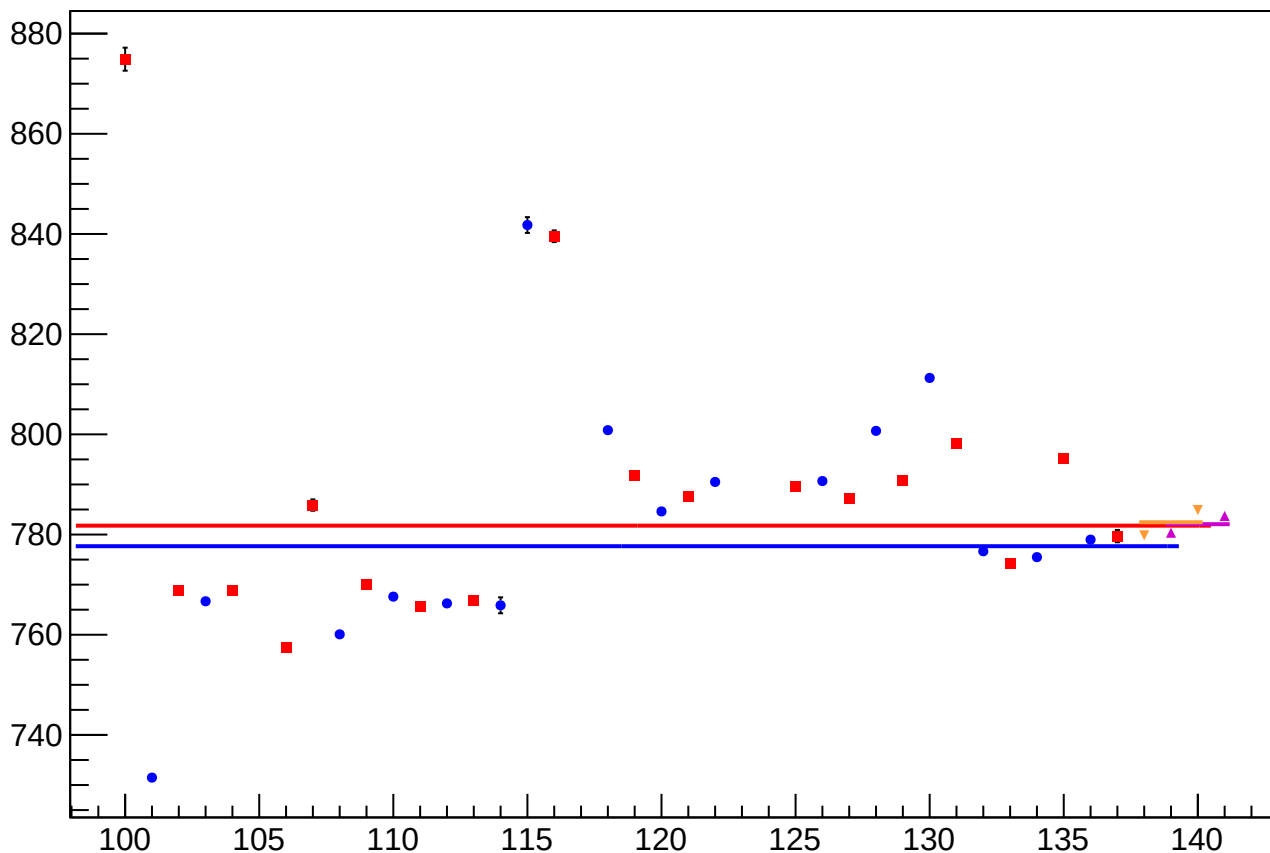
Left In: 807.849+/-594.309 χ^2/NDF : 0.5/1

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

All: -100.718+/-184.083 χ^2/NDF : 23.6/37

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

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

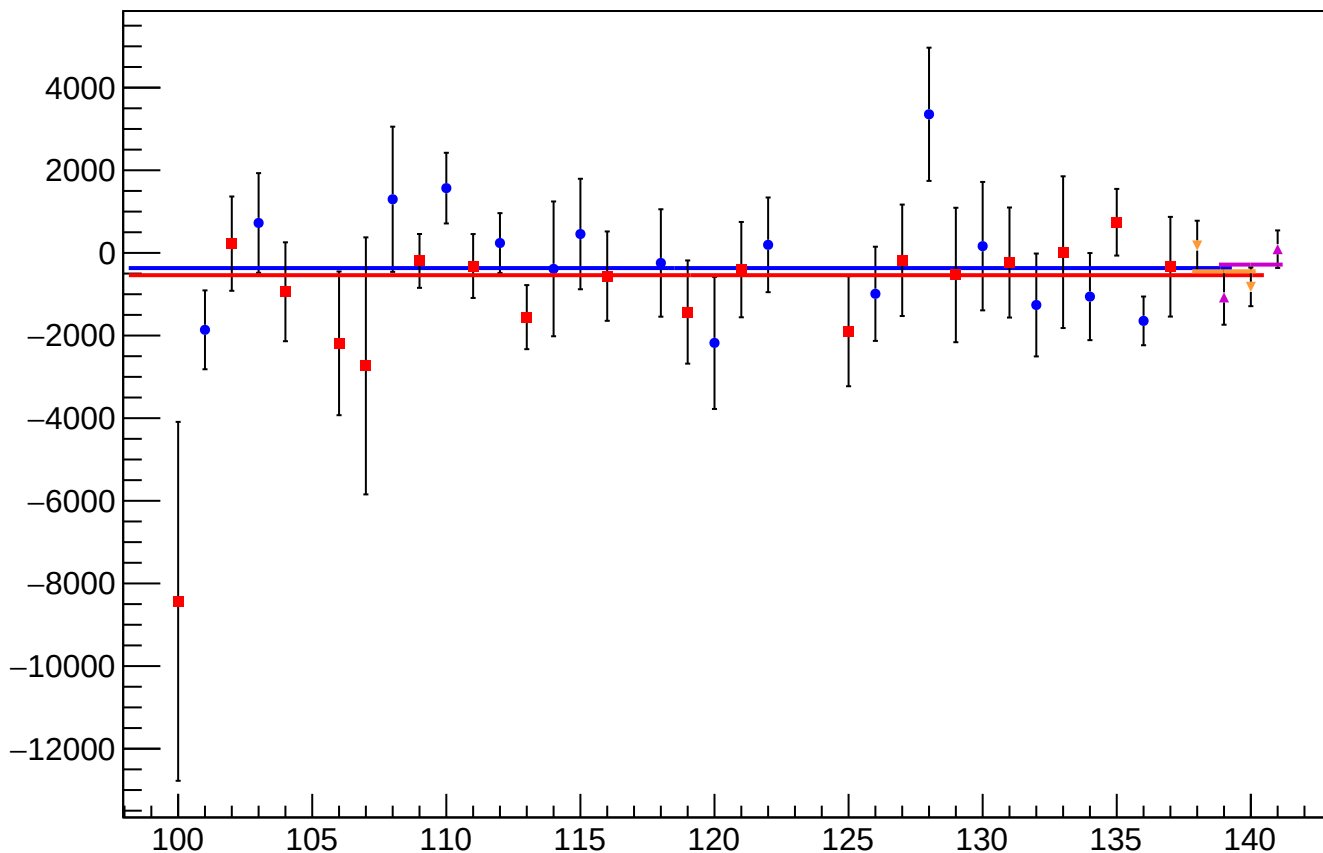
Left In: 782.070 $\pm$ 0.420 χ^2 /NDF:15.8/1

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

All: 780.201 $\pm$ 0.130 χ^2 /NDF: 19990.8/37

- sign 781.832 $\pm$ 0.183 χ^2 /NDF: 7642.5/19

asym_us_dd_cor_correction_mean vs Slug



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

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

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

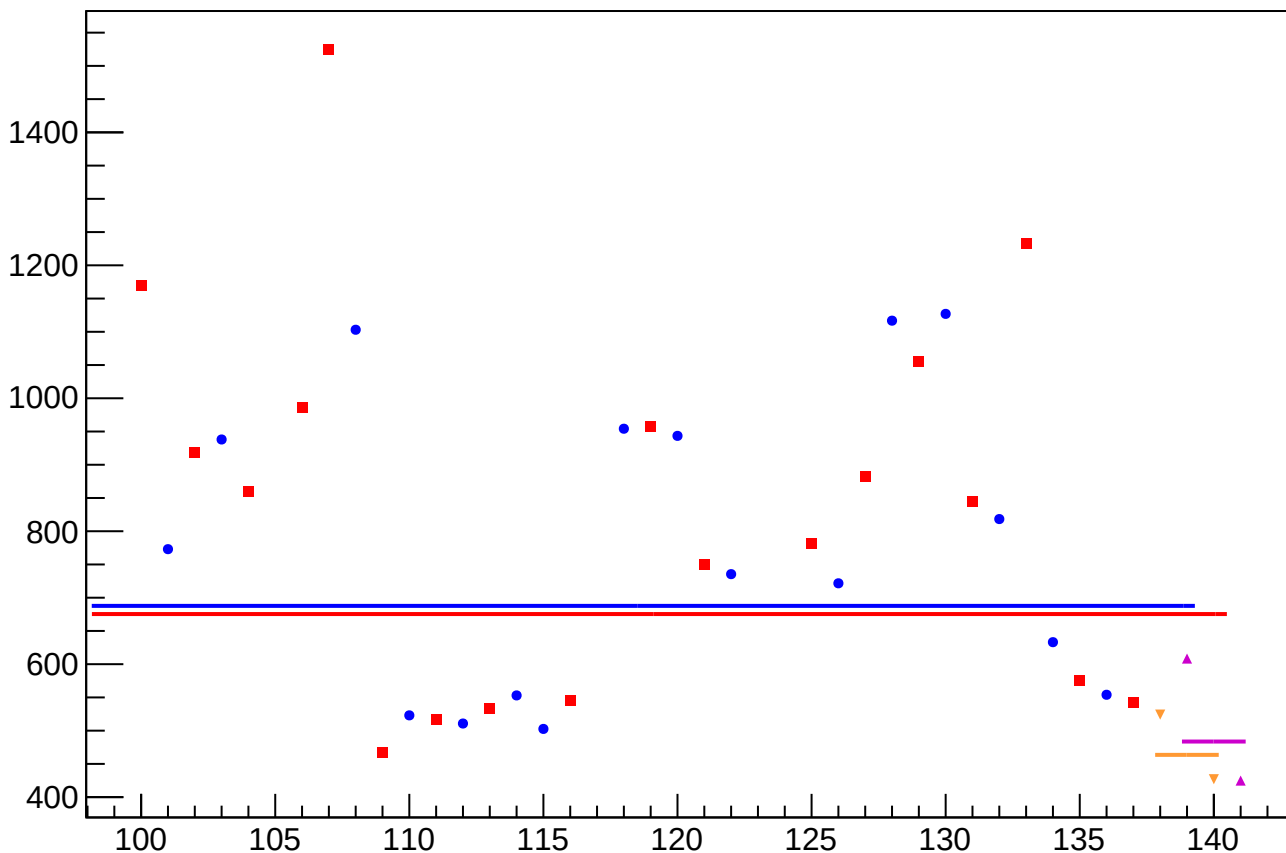
Left In: -282.587 ± 374.289 χ^2/NDF : 2.1/1

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

All: -424.058 ± 152.471 χ^2/NDF : 39.2/37

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

asym_us_dd_cor_correction_rms vs Slug



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

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

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

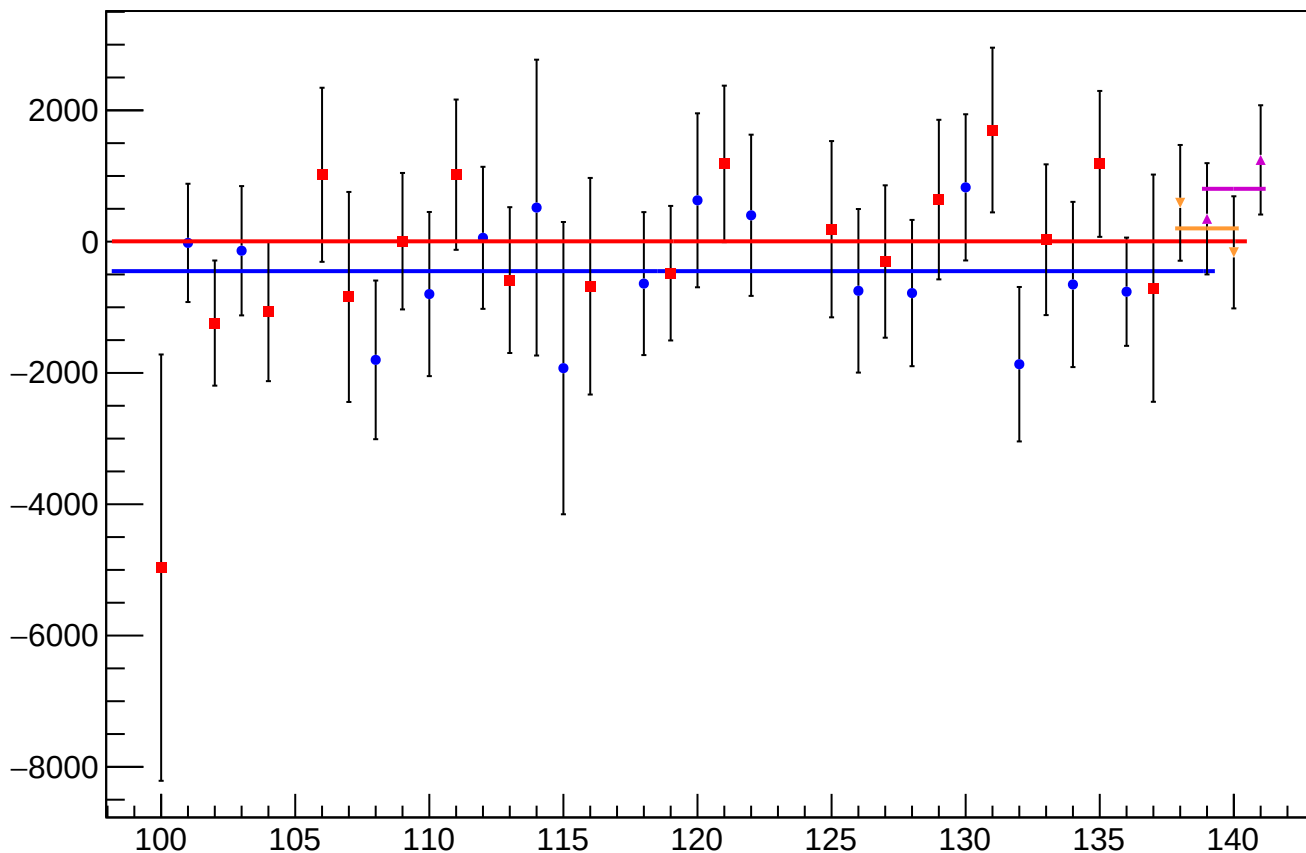
Left In: 483.631+/-0.265 χ^2/NDF : 104671.5/1

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

All: 611.411+/-0.108 χ^2/NDF : 3318782.2/37

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

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: 201.787+/-613.342 χ^2/NDF : 0.4/1

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

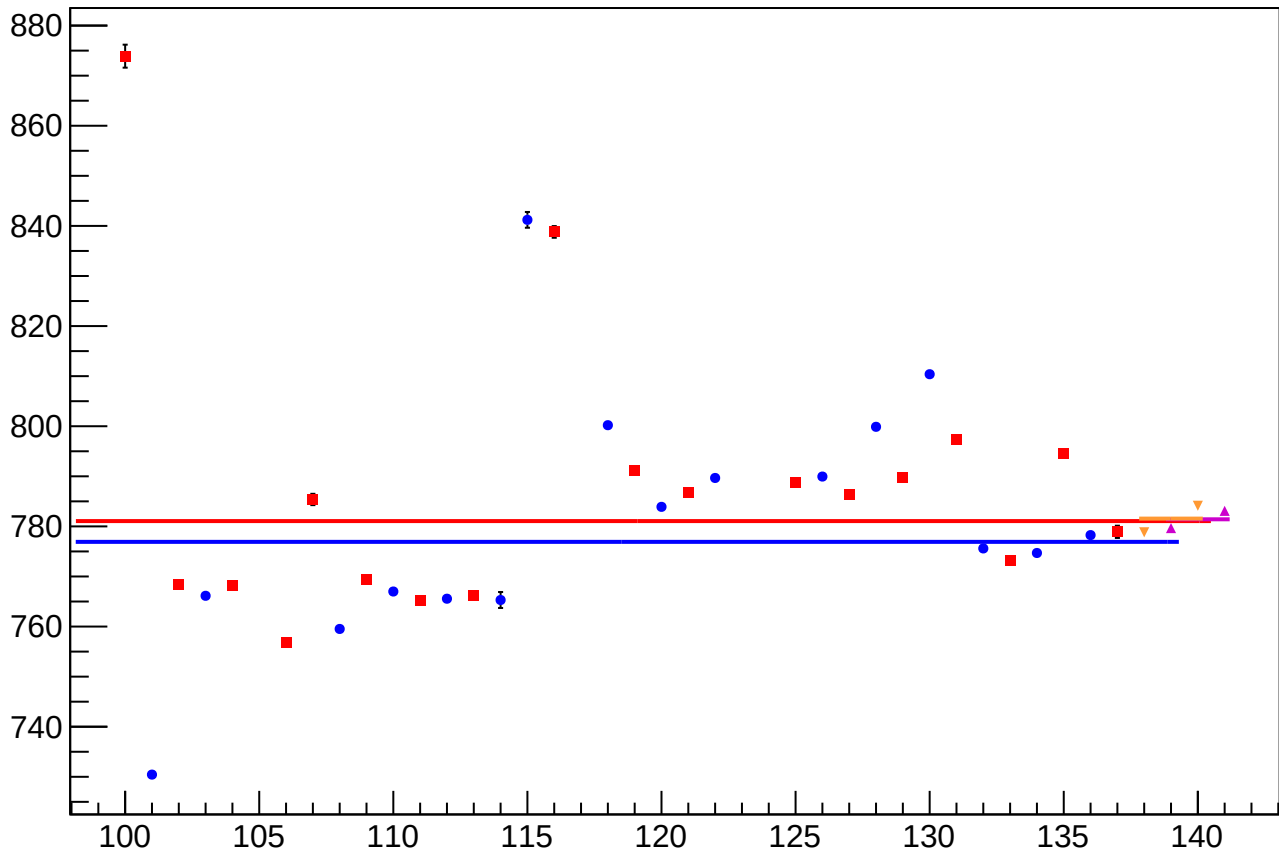
Left In: 804.514+/-593.813 χ^2/NDF : 0.6/1

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

All: -85.210+/-183.907 χ^2/NDF : 23.7/37

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

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

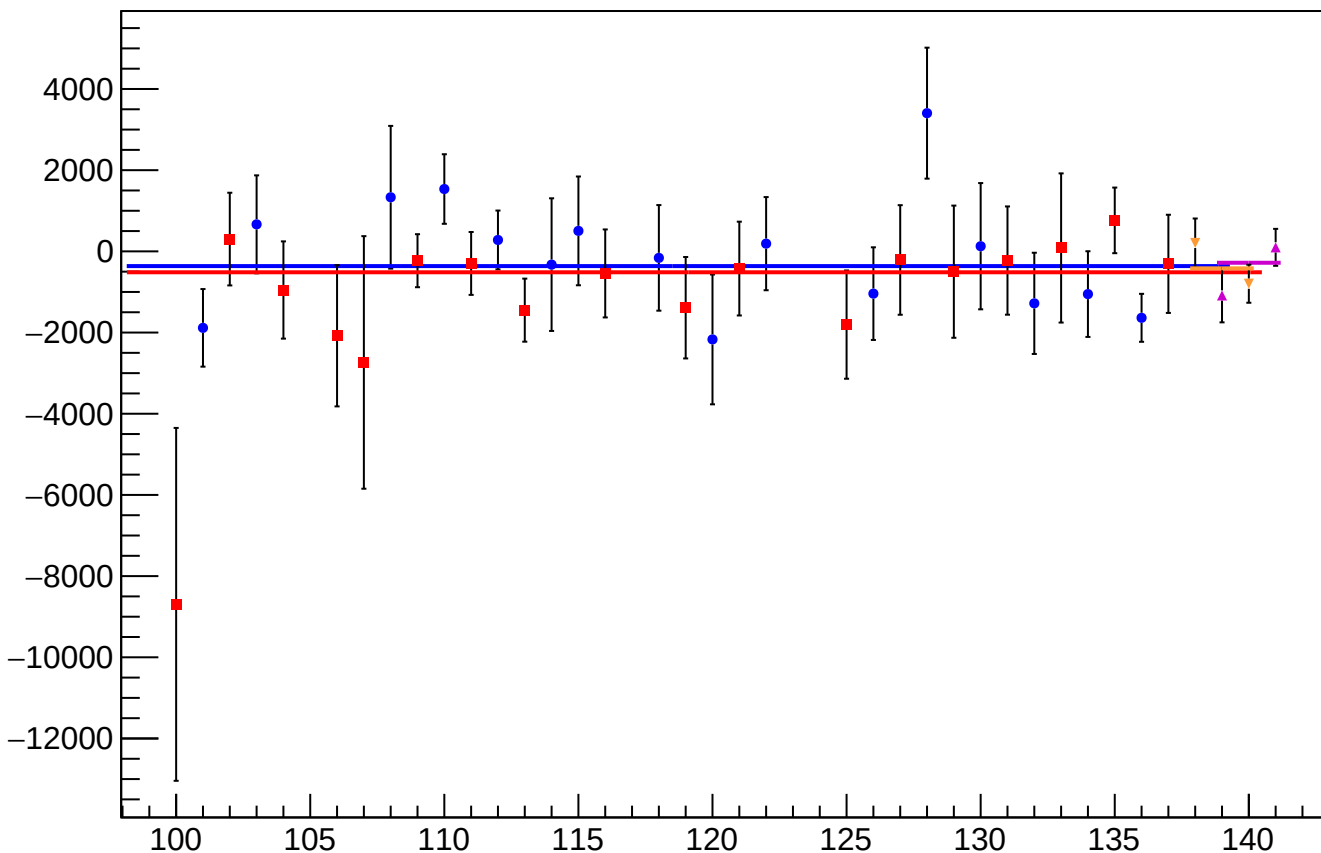
Left In: 781.416 $\pm$ 0.420 χ^2/NDF : 16.8/1

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

All: 779.456 $\pm$ 0.130 χ^2/NDF : 20026.1/37

- sign 781.129 $\pm$ 0.183 χ^2/NDF : 7603.2/19

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

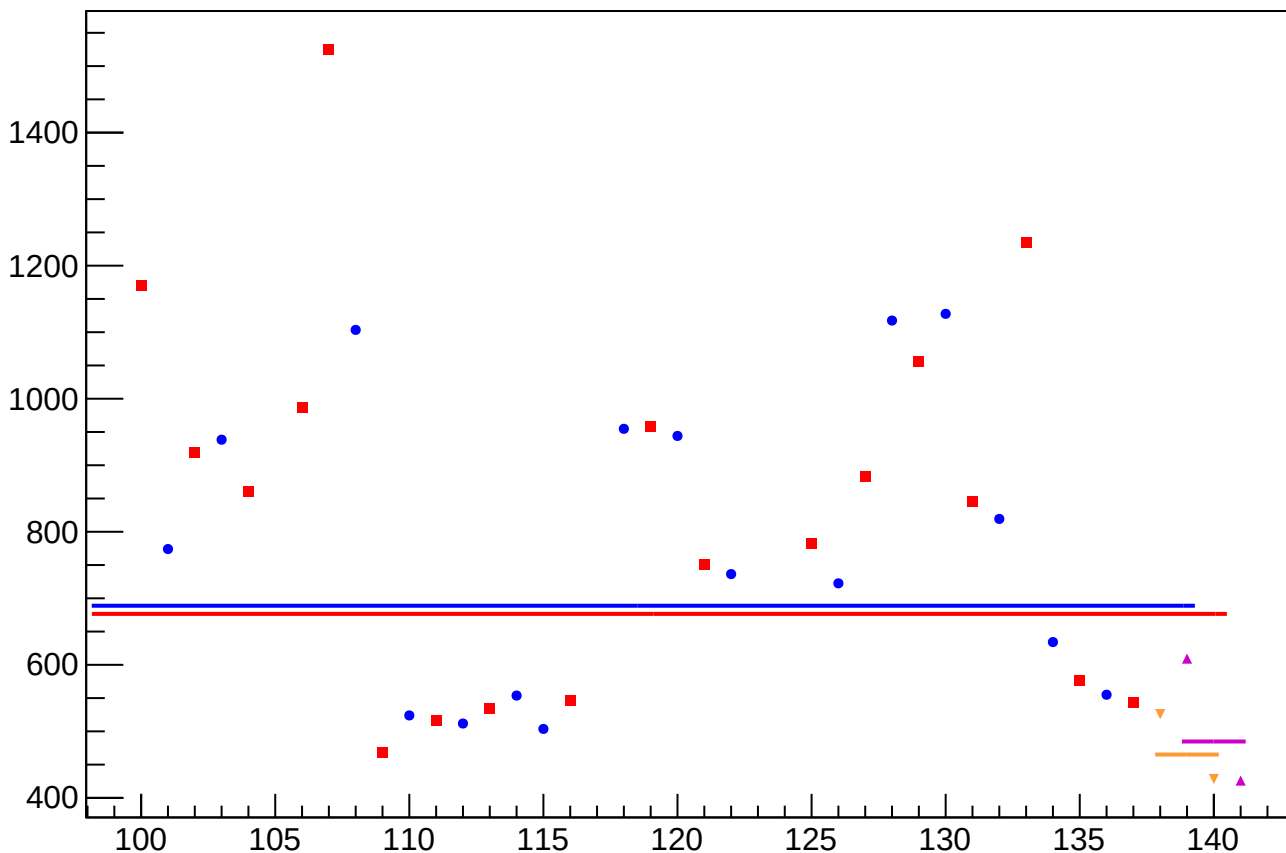
Left In: -280.545+/-375.118 χ^2 /NDF:2.2/1

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

All: -409.963+/-152.761 χ^2 /NDF: 39.0/37

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

asym_us_dd_overload_cor_correction_rms vs Slug



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

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

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

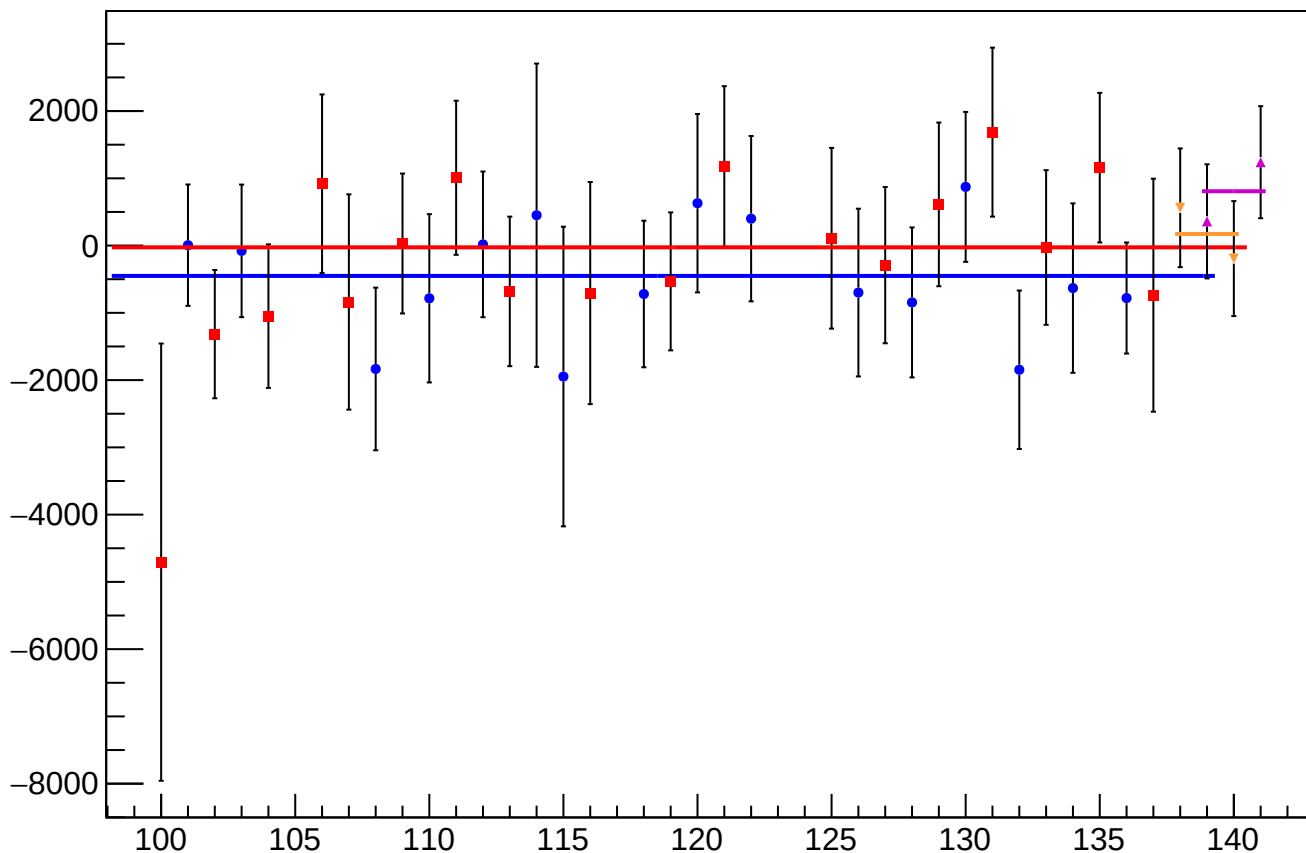
Left In: 484.753+/-0.265 χ^2/NDF : 104050.4/1

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

All: 612.741+/-0.108 χ^2/NDF : 3303598.1/37

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

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

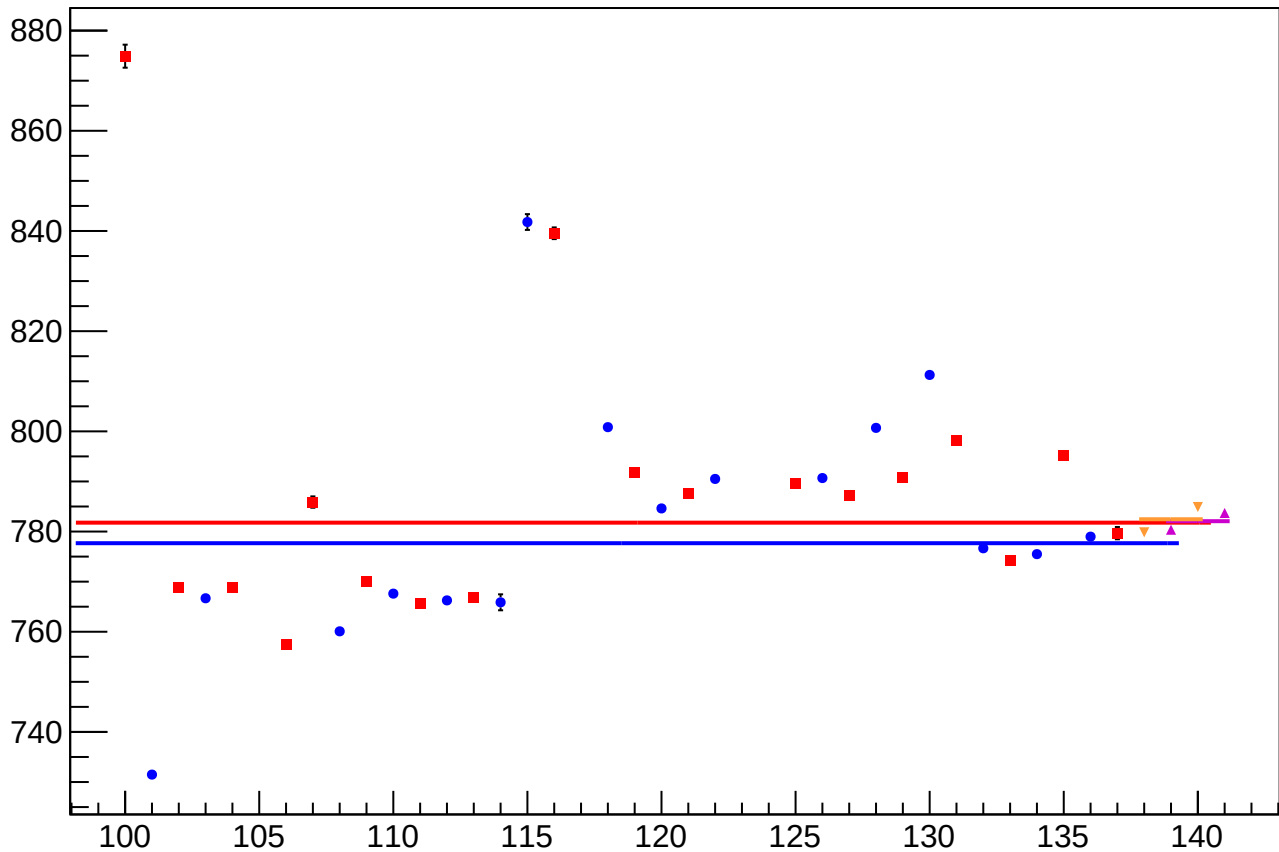
Left In: 807.849+/-594.309 χ^2/NDF : 0.5/1

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

All: -100.718+/-184.083 χ^2/NDF : 23.6/37

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674 ± 0.204 $\chi^2/\text{NDF}: 12055.4/15$

Left Out: 782.453 ± 0.434 $\chi^2/\text{NDF}: 33.9/1$

Right Out: 781.777 ± 0.204 $\chi^2/\text{NDF}: 7626.3/17$

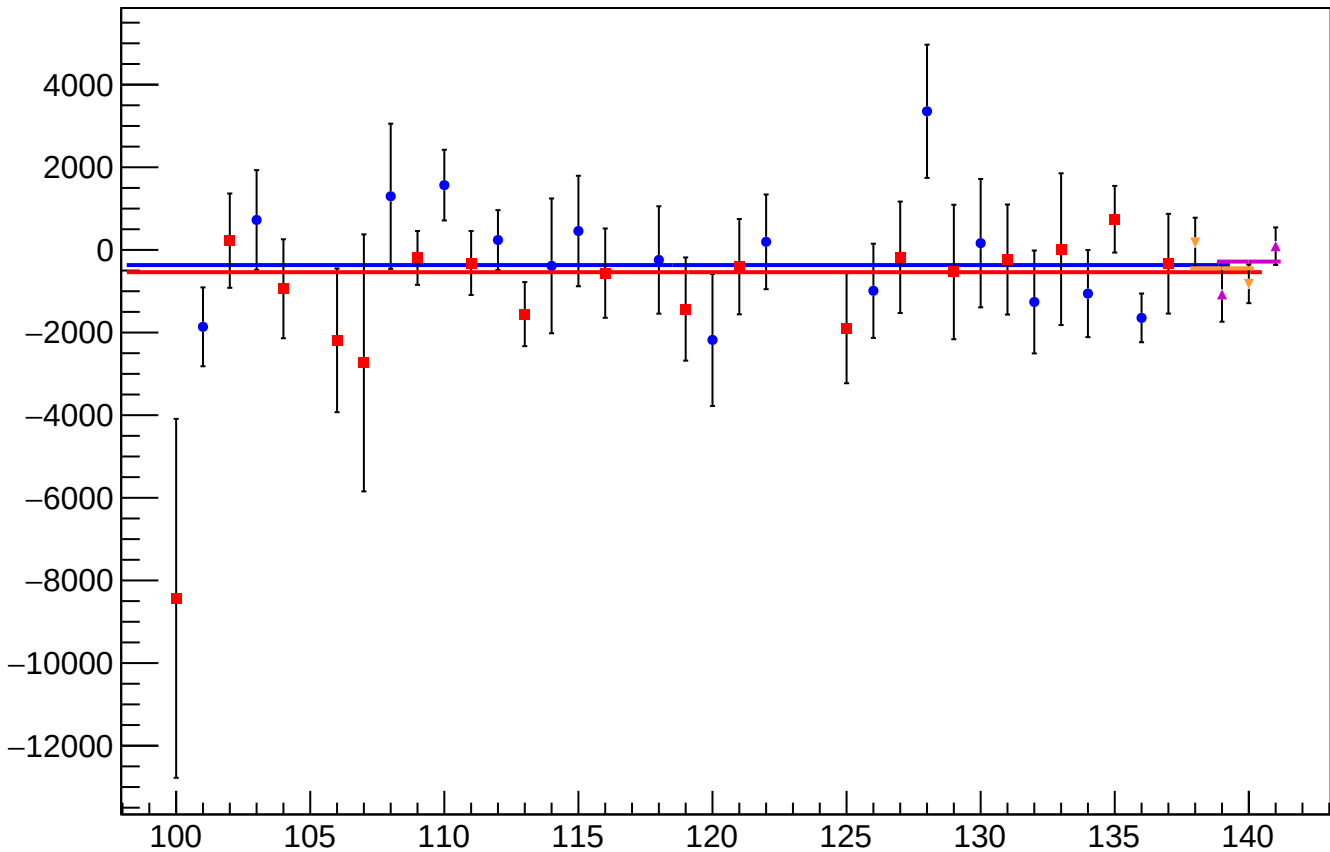
Left In: 782.070 ± 0.420 $\chi^2/\text{NDF}: 15.8/1$

+ sign 778.541 ± 0.185 $\chi^2/\text{NDF}: 12188.4/17$

All: 780.201 ± 0.130 $\chi^2/\text{NDF}: 19990.8/37$

- sign 781.832 ± 0.183 $\chi^2/\text{NDF}: 7642.5/19$

asym_us_dd_eigen_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

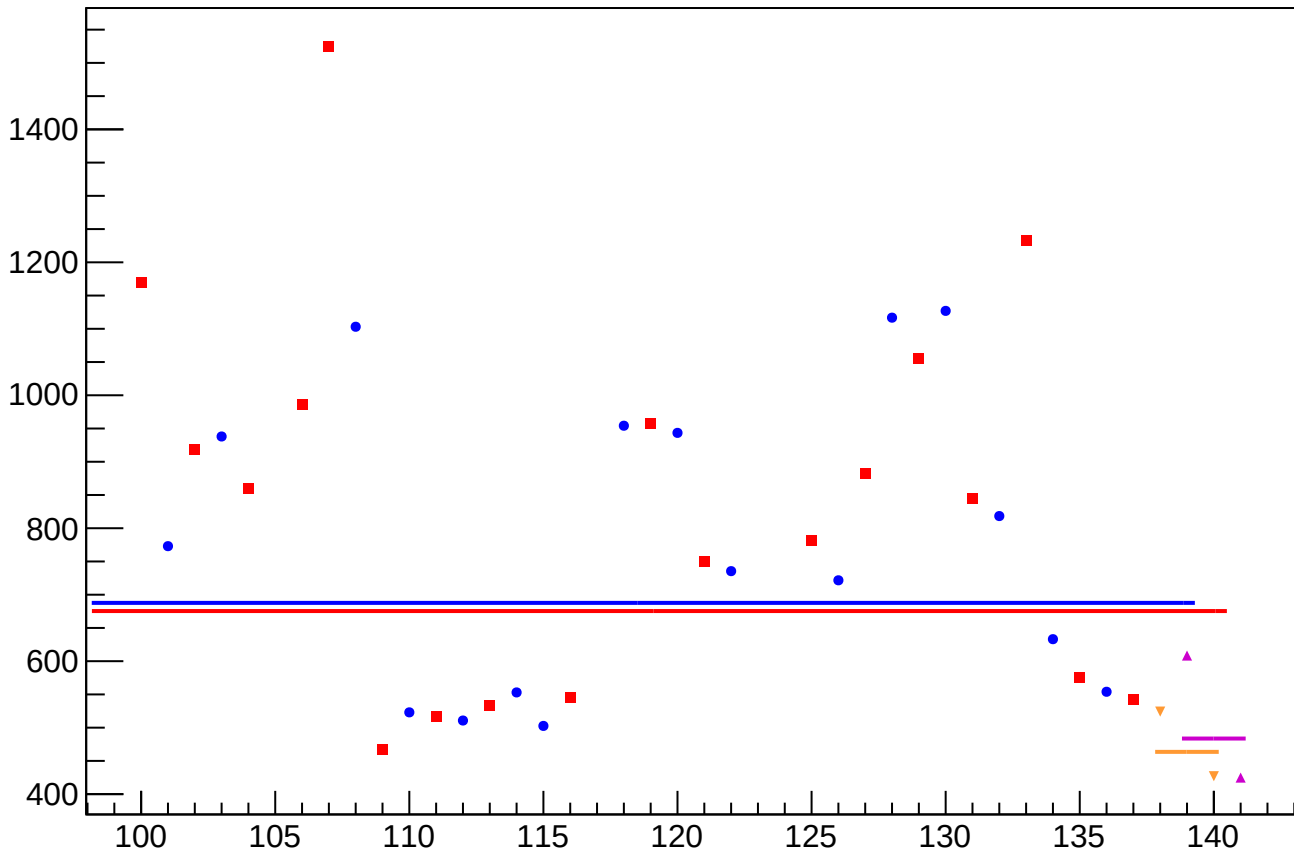
Left In: -282.587 $\pm$ 374.289 χ^2 /NDF:2.1/1

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

All: -424.058 $\pm$ 152.471 χ^2 /NDF: 39.2/37

- sign -454.210 $\pm$ 215.137 χ^2 /NDF: 14.1/19

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

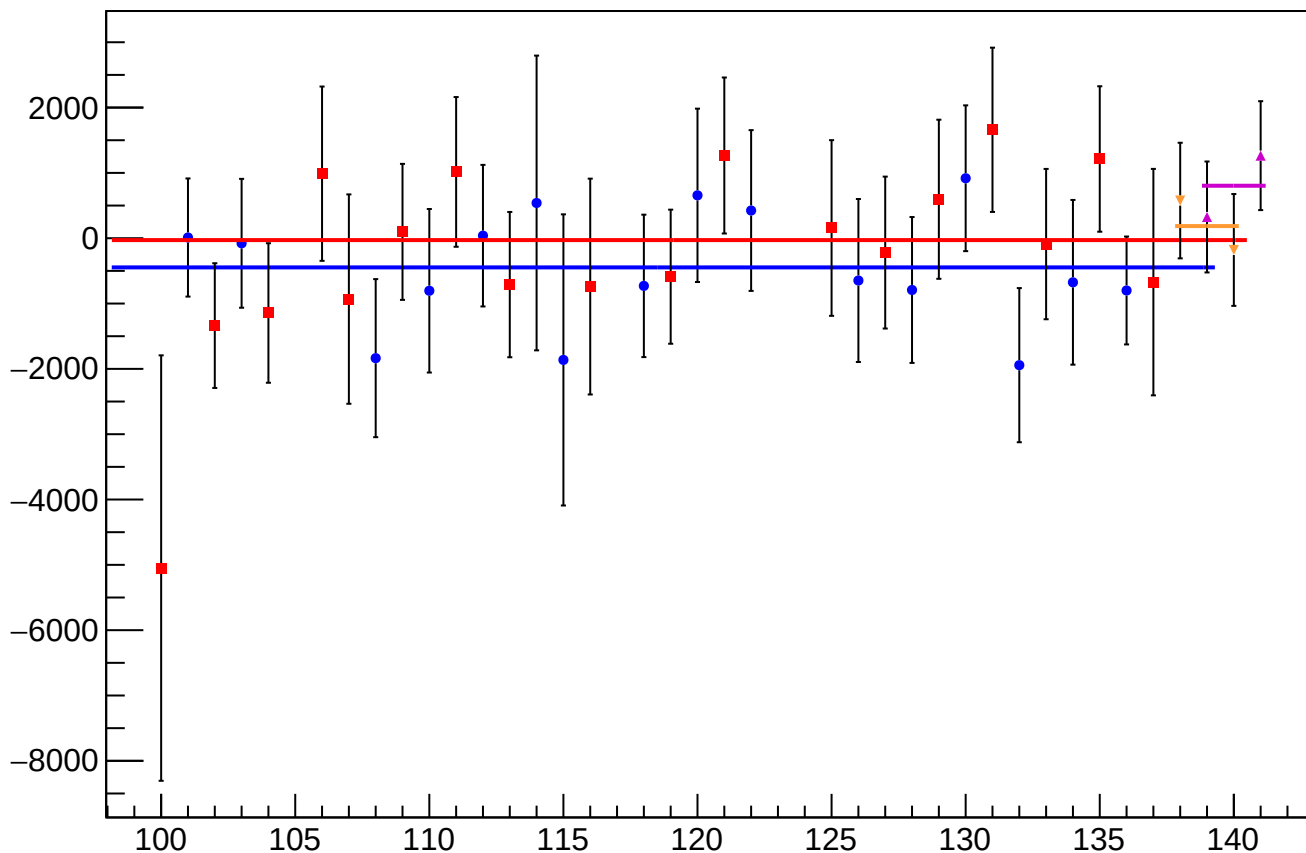
Left In: 483.631+/-0.265 χ^2/NDF : 104671.5/1

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

All: 611.411+/-0.108 χ^2/NDF : 3318782.2/37

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

dit_asym_us_dd_mean vs Slug



Right In: -446.659 ± 289.238 $\chi^2/\text{NDF}: 7.3/15$

Left Out: 185.792 ± 615.234 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -28.787 ± 288.372 $\chi^2/\text{NDF}: 12.6/17$

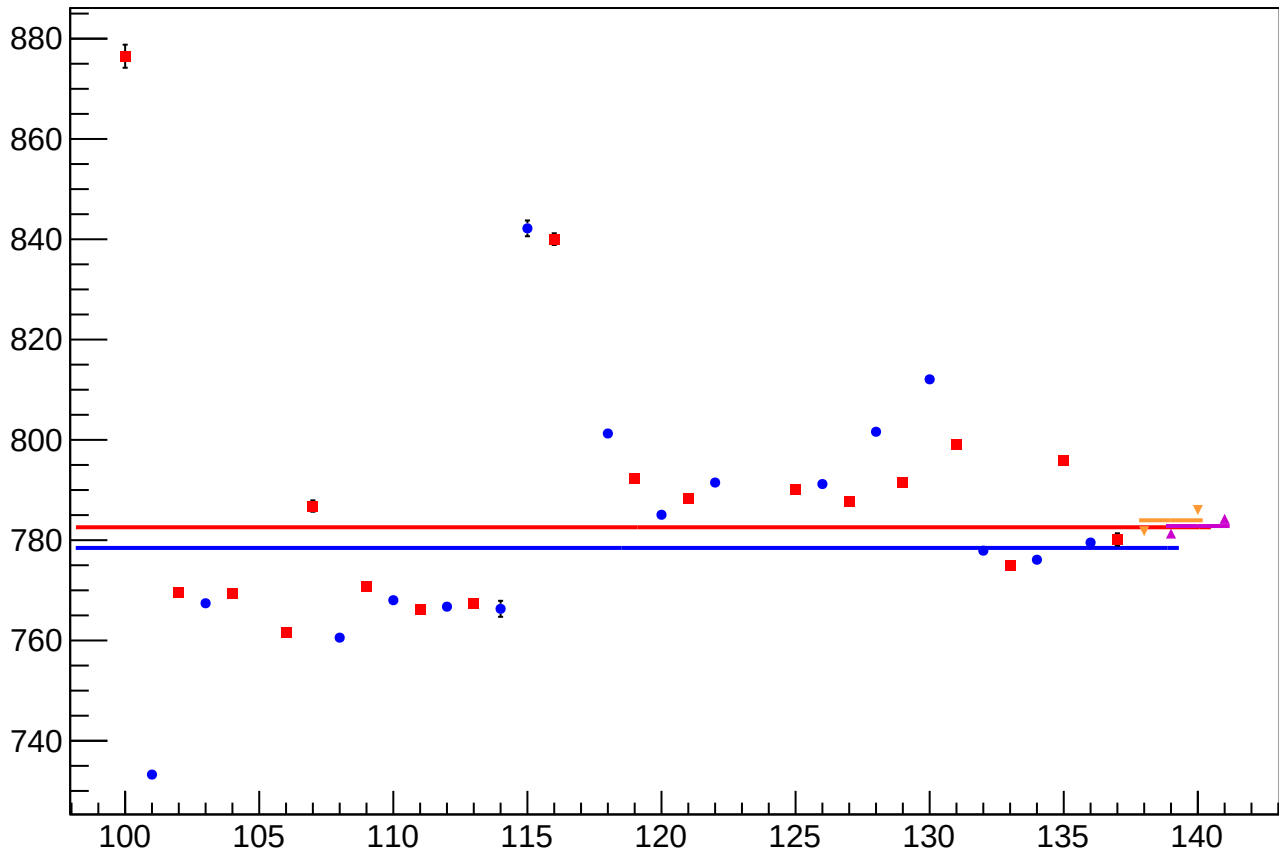
Left In: 803.349 ± 594.881 $\chi^2/\text{NDF}: 0.6/1$

+ sign -332.177 ± 261.755 $\chi^2/\text{NDF}: 8.5/17$

All: -99.309 ± 184.283 $\chi^2/\text{NDF}: 24.9/37$

- sign 129.548 ± 259.491 $\chi^2/\text{NDF}: 14.8/19$

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

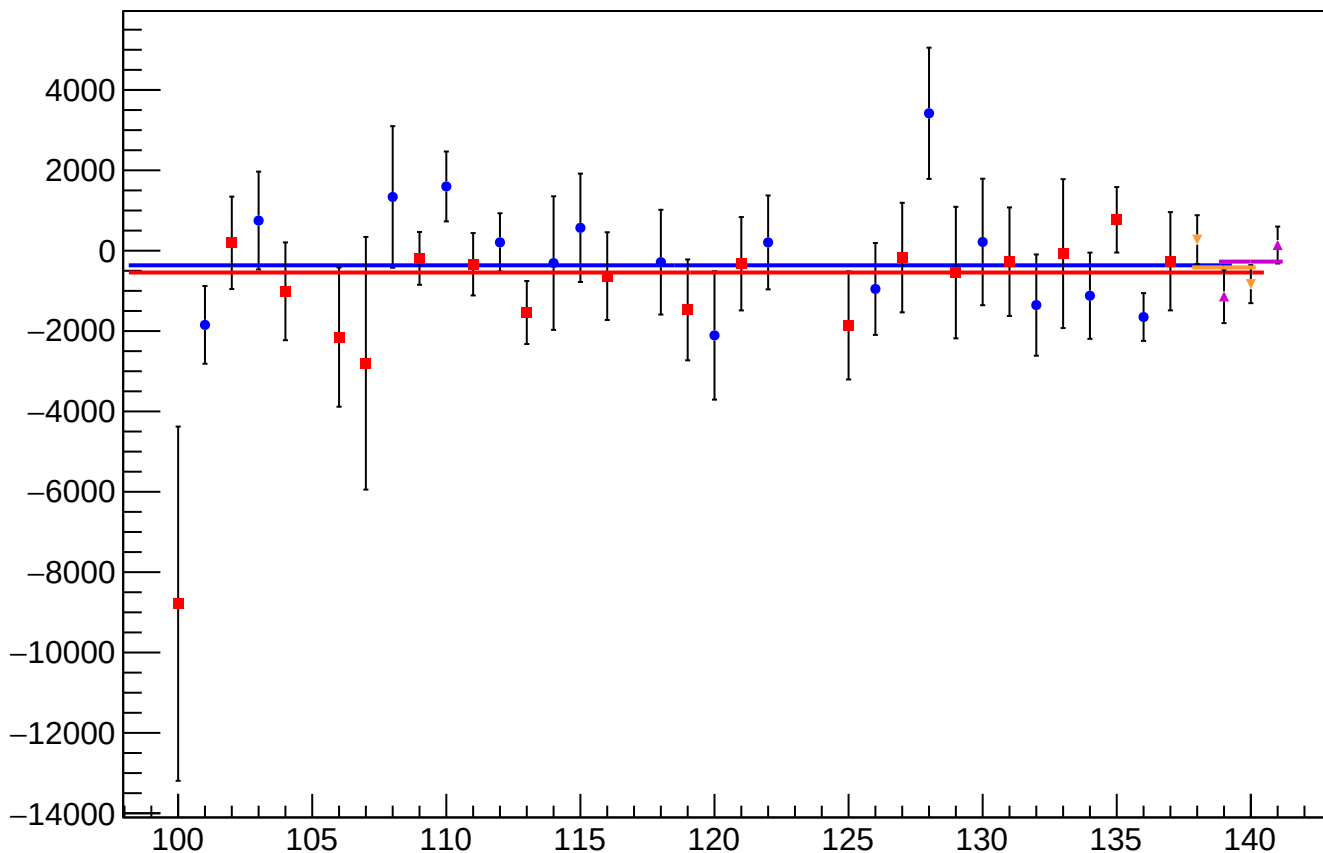
Left In: 782.821 $\pm$ 0.421 χ^2 /NDF:12.1/1

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

All: 781.051 $\pm$ 0.130 χ^2 /NDF: 19591.9/37

- sign 782.622 $\pm$ 0.183 χ^2 /NDF: 7493.8/19

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -415.889 ± 373.320 χ^2/NDF : 2.1/1

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

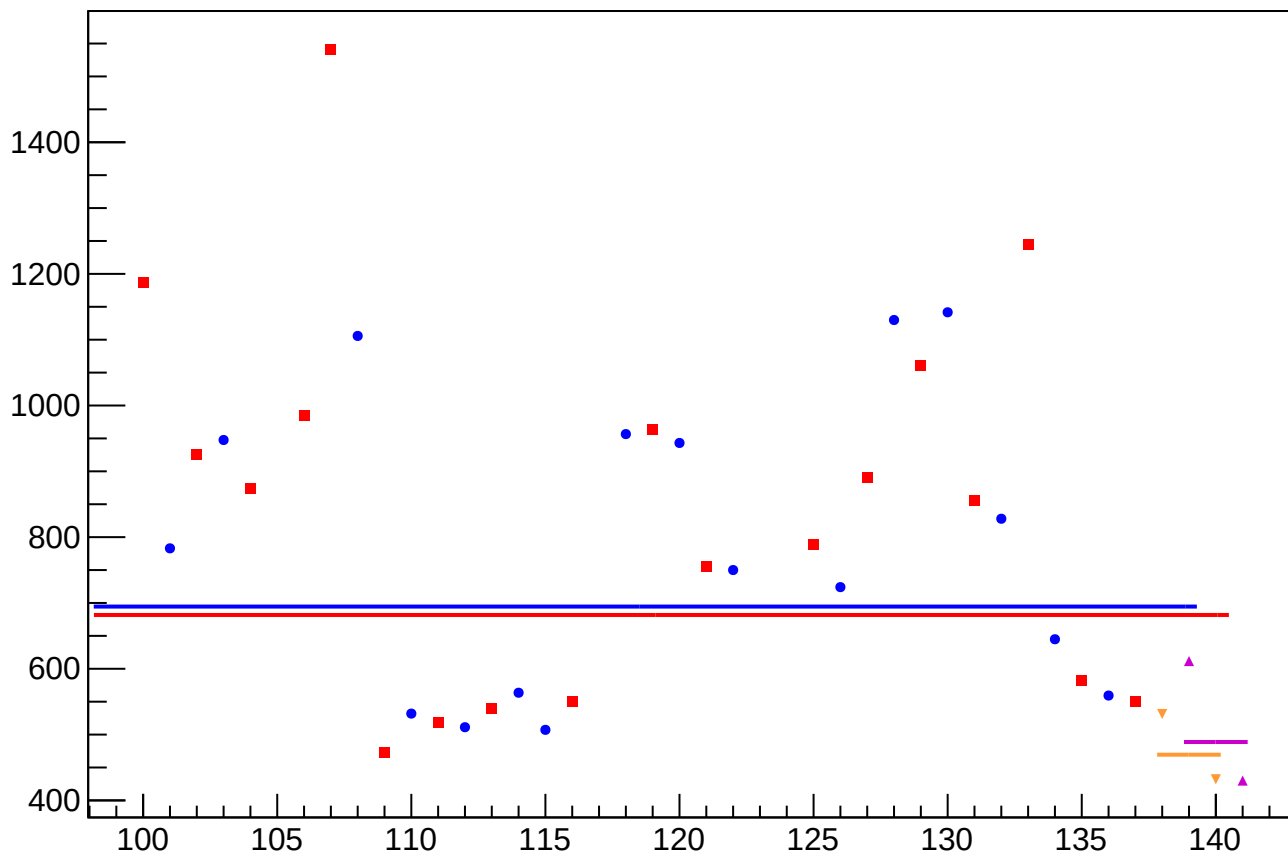
Left In: -271.447 ± 377.901 χ^2/NDF : 2.5/1

+ sign -381.746 ± 218.413 χ^2/NDF : 25.4/17

All: -417.725 ± 153.982 χ^2/NDF : 40.1/37

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

asym_us_dd_dit_correction_rms vs Slug



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

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

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

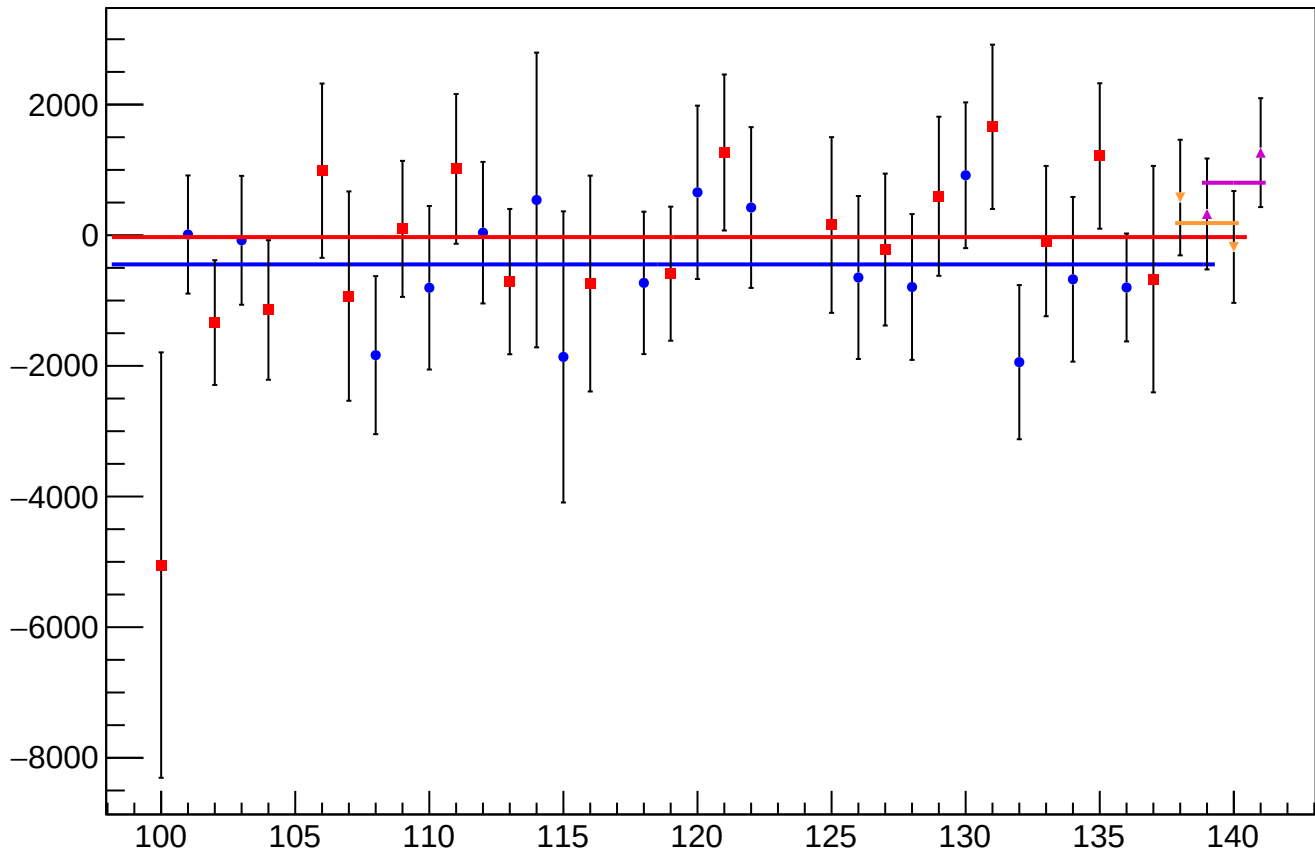
Left In: 488.732+/-0.267 χ^2/NDF :100980.9/1

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

All: 617.756+/-0.109 χ^2/NDF : 3303027.2/37

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

eigen_dit_asym_us_dd_mean vs Slug



Right In: -446.659 ± 289.238 $\chi^2/\text{NDF}: 7.3/15$

Left Out: 185.794 ± 615.234 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -28.786 ± 288.372 $\chi^2/\text{NDF}: 12.6/17$

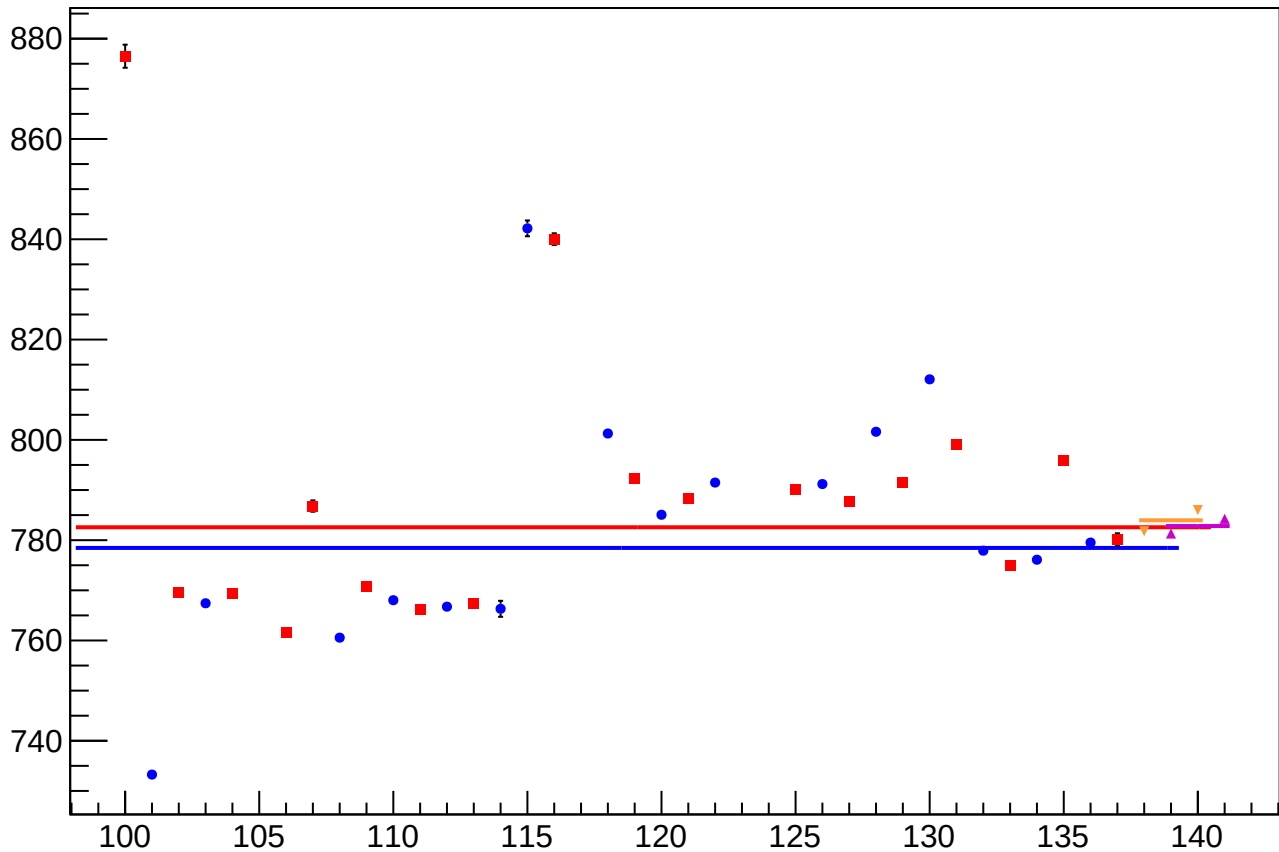
Left In: 803.344 ± 594.881 $\chi^2/\text{NDF}: 0.6/1$

+ sign -332.177 ± 261.755 $\chi^2/\text{NDF}: 8.5/17$

All: -99.309 ± 184.283 $\chi^2/\text{NDF}: 24.9/37$

- sign 129.549 ± 259.491 $\chi^2/\text{NDF}: 14.8/19$

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

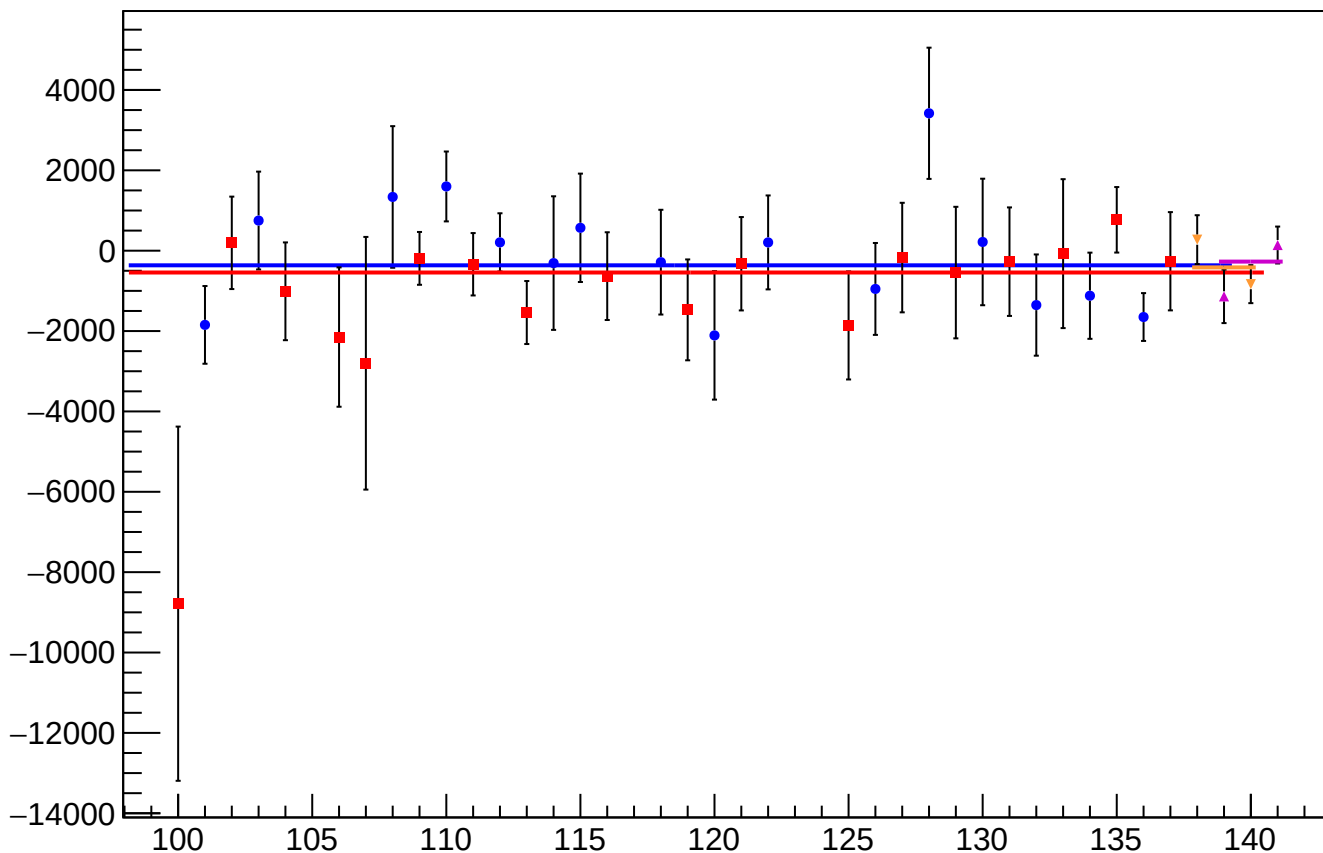
Left In: 782.821 $\pm$ 0.421 χ^2 /NDF:12.1/1

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

All: 781.051 $\pm$ 0.130 χ^2 /NDF: 19591.9/37

- sign 782.622 $\pm$ 0.183 χ^2 /NDF: 7493.8/19

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

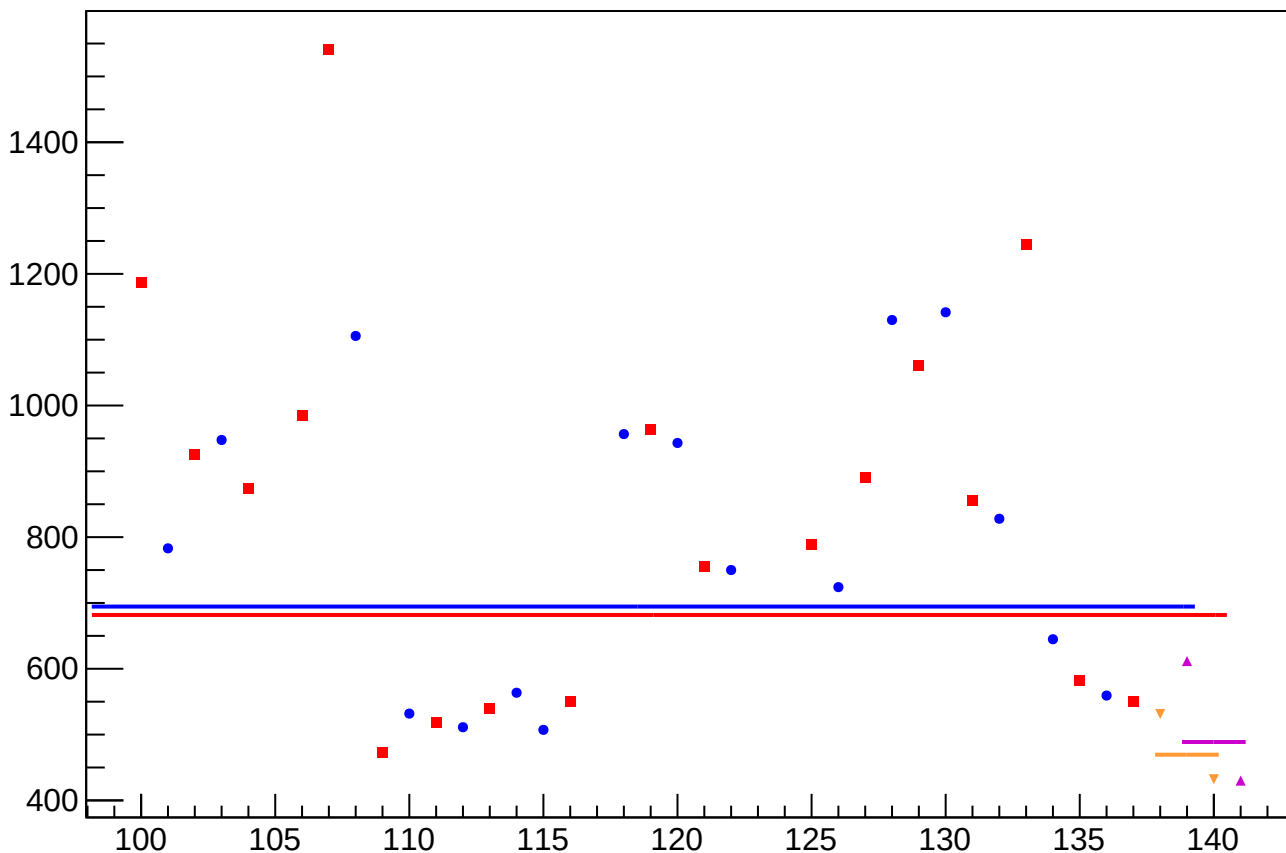
Left In: -271.443 ± 377.901 χ^2/NDF : 2.5/1

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

All: -417.724 ± 153.982 χ^2/NDF : 40.1/37

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

asym_us_dd_eigen_dit_correction_rms vs Slug



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

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

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

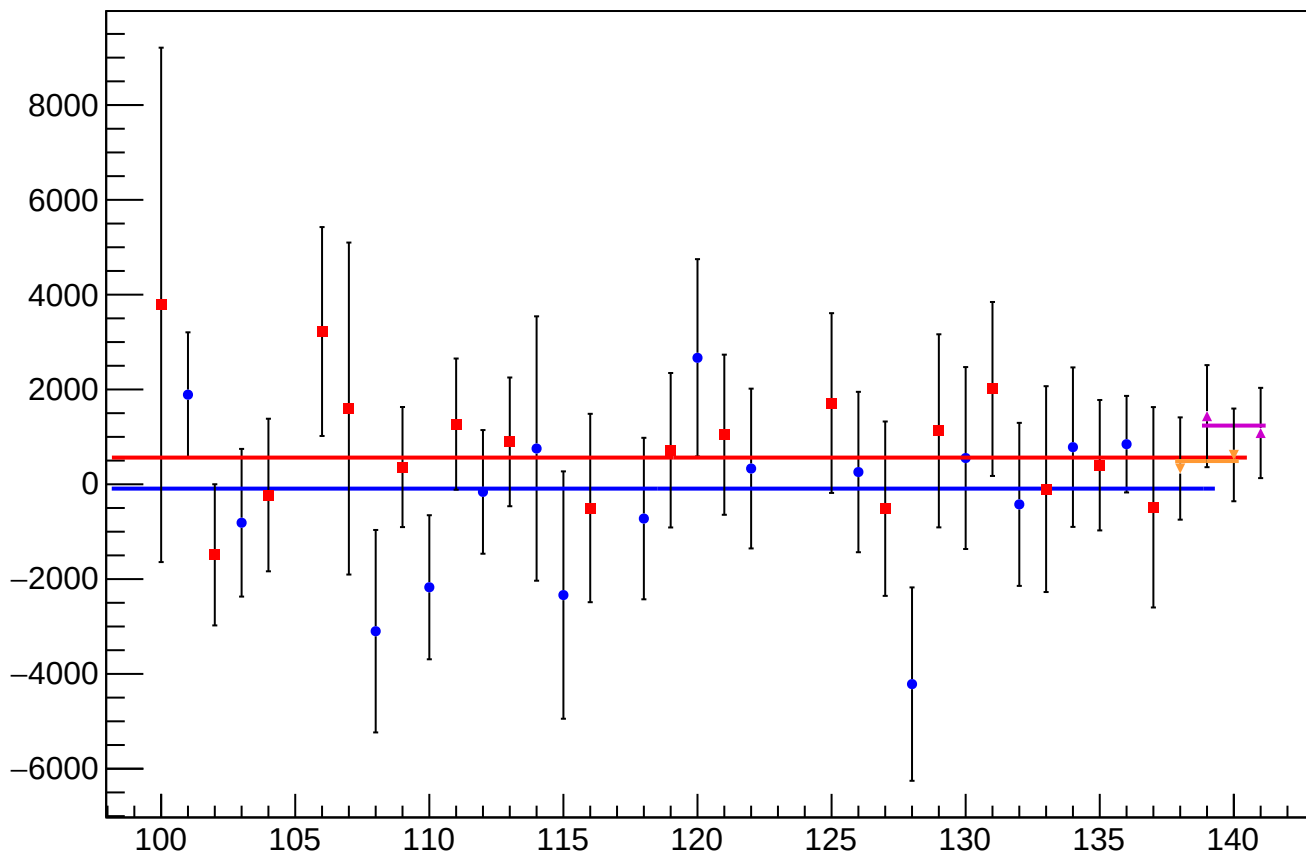
Left In: 488.732+/-0.267 χ^2/NDF : 100987.6/1

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

All: 617.754+/-0.109 χ^2/NDF : 3303047.1/37

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

asym_us_dd_mean vs Slug



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

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

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

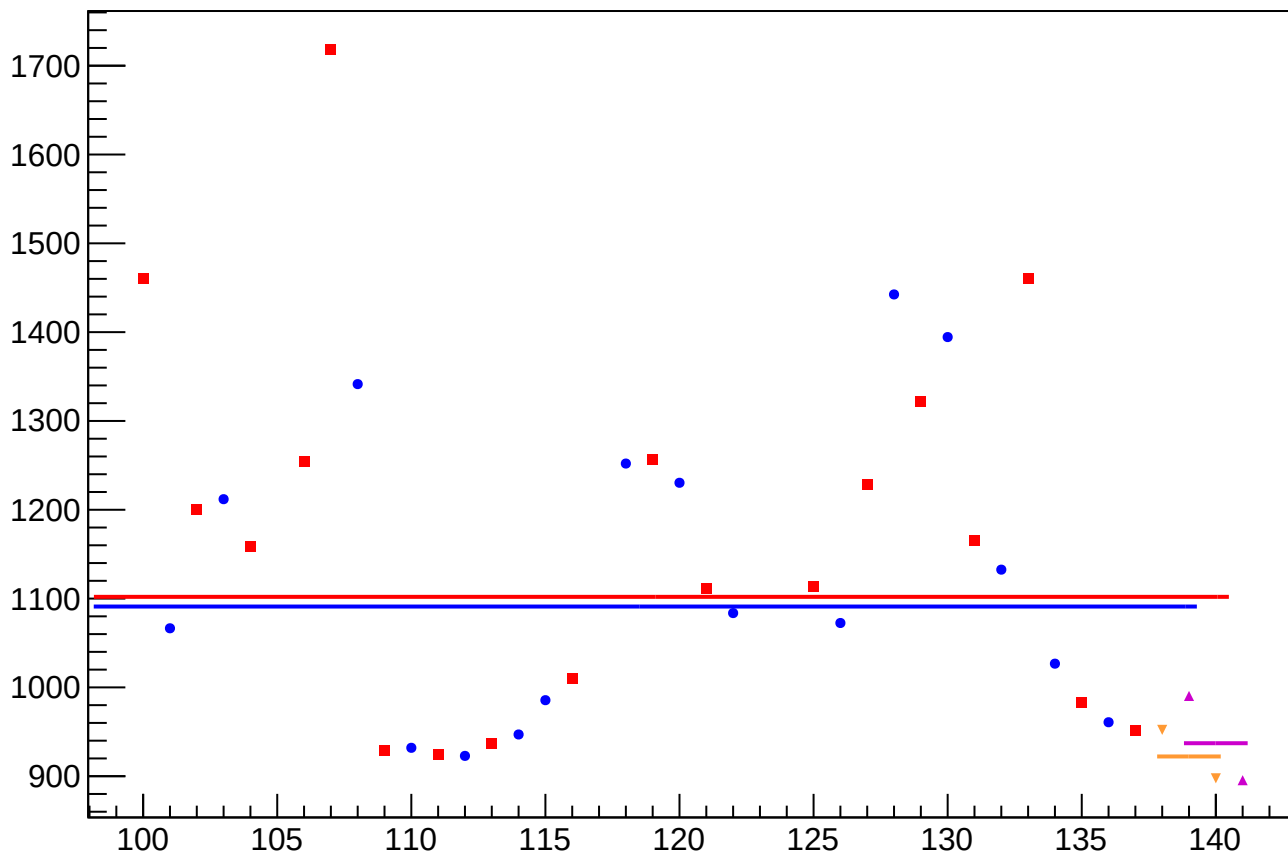
Left In: 1238.179 ± 713.162 χ^2/NDF : 0.1/1

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

All: 391.145 ± 252.176 χ^2/NDF : 24.1/37

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

asym_us_dd_rms vs Slug



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

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

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

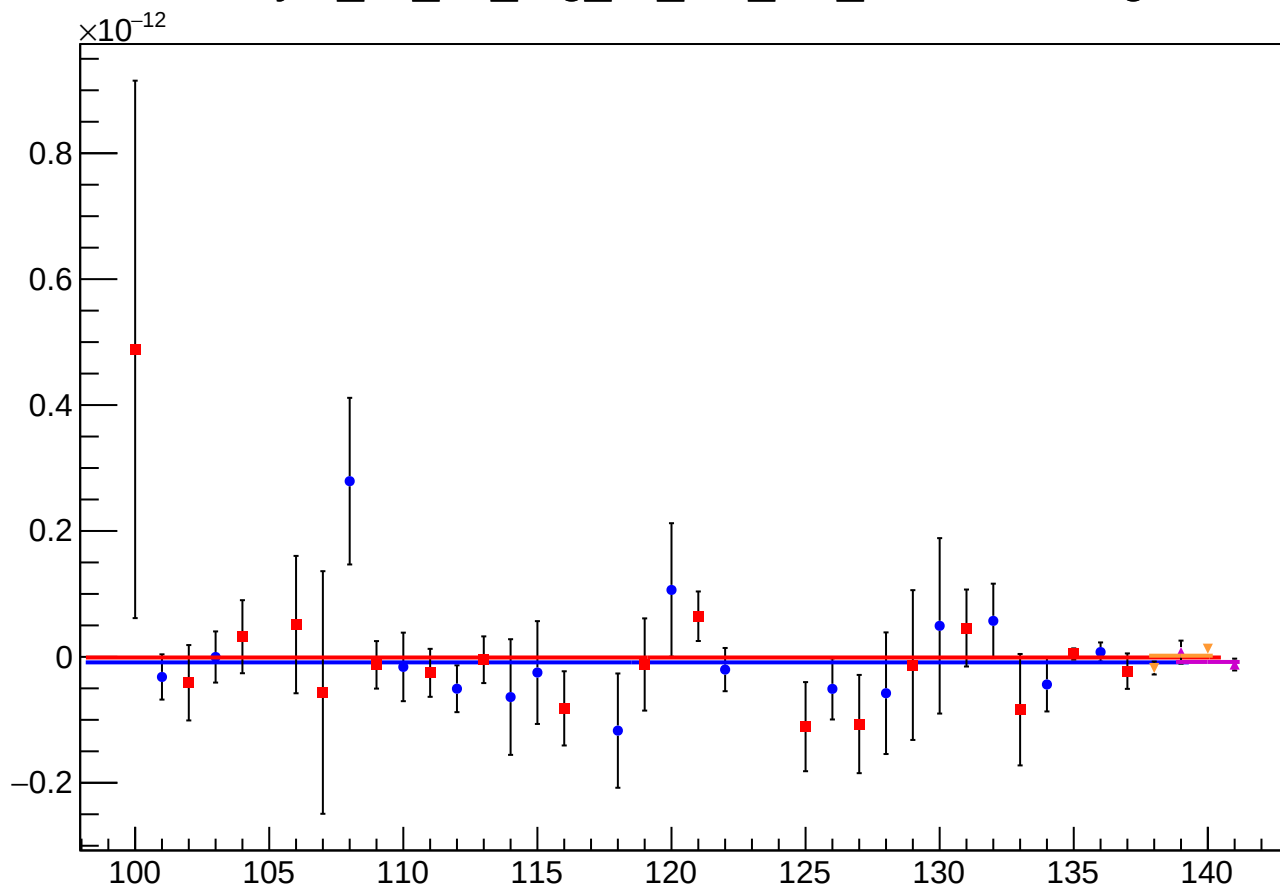
Left In: 937.140+/-0.504 χ^2/NDF : 8716.9/1

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

All: 1055.442+/-0.178 χ^2/NDF : 780216.8/37

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

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 5.7/1

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

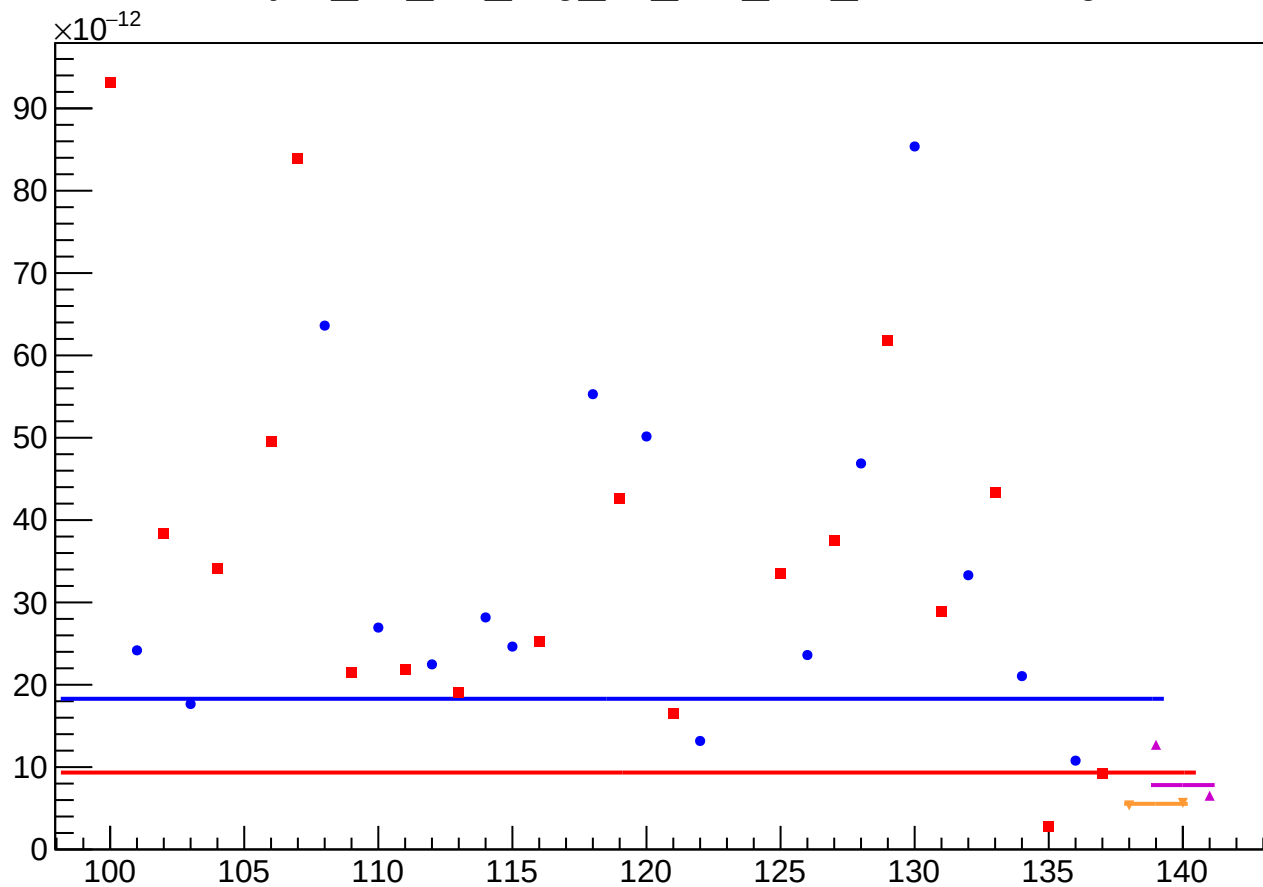
Left In: -0.000 ± 0.000 χ^2/NDF : 0.9/1

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

All: -0.000 ± 0.000 χ^2/NDF : 36.1/37

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

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

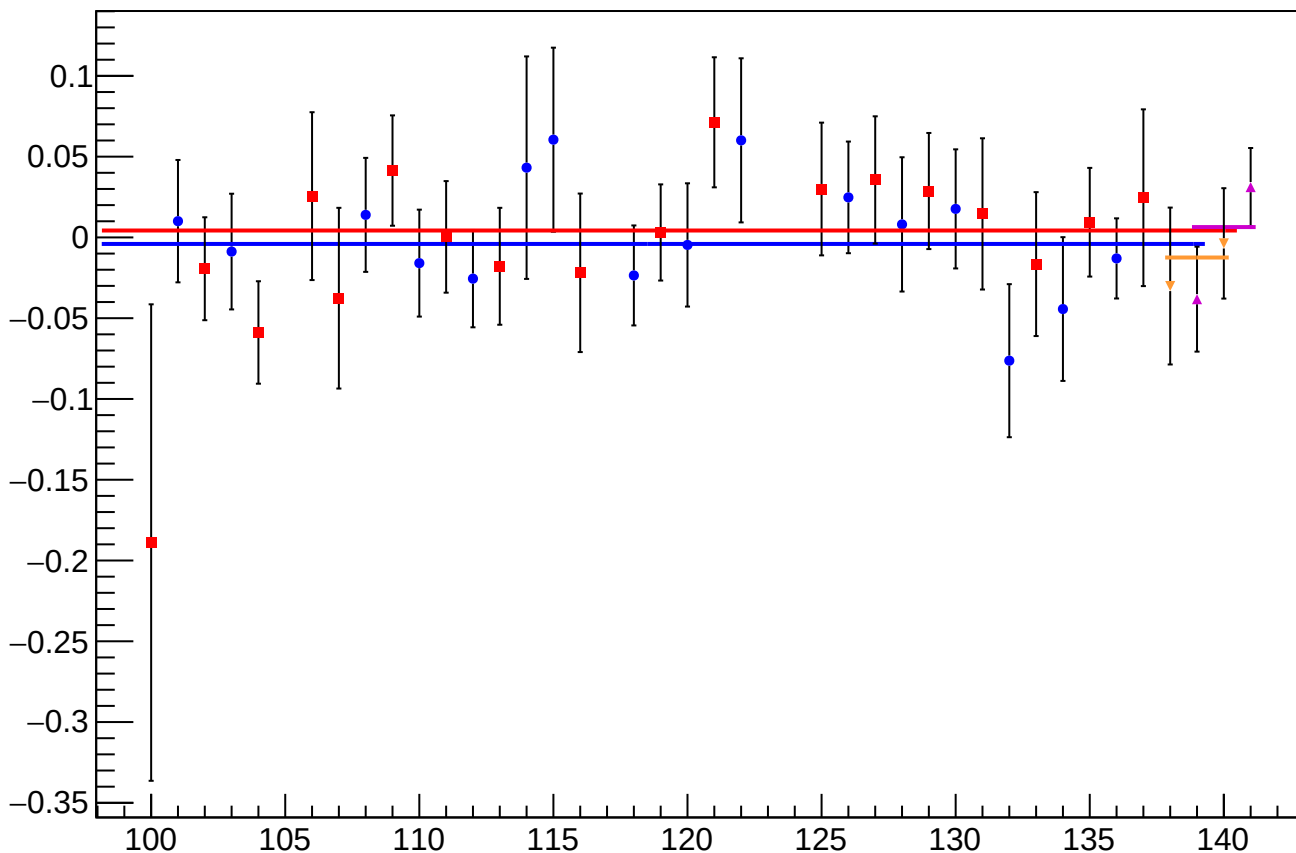
Left In: 0.000+/-0.000 χ^2/NDF :181157.0/1

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

All: 0.000+/-0.000 χ^2/NDF : 9880696.6/37

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

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

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

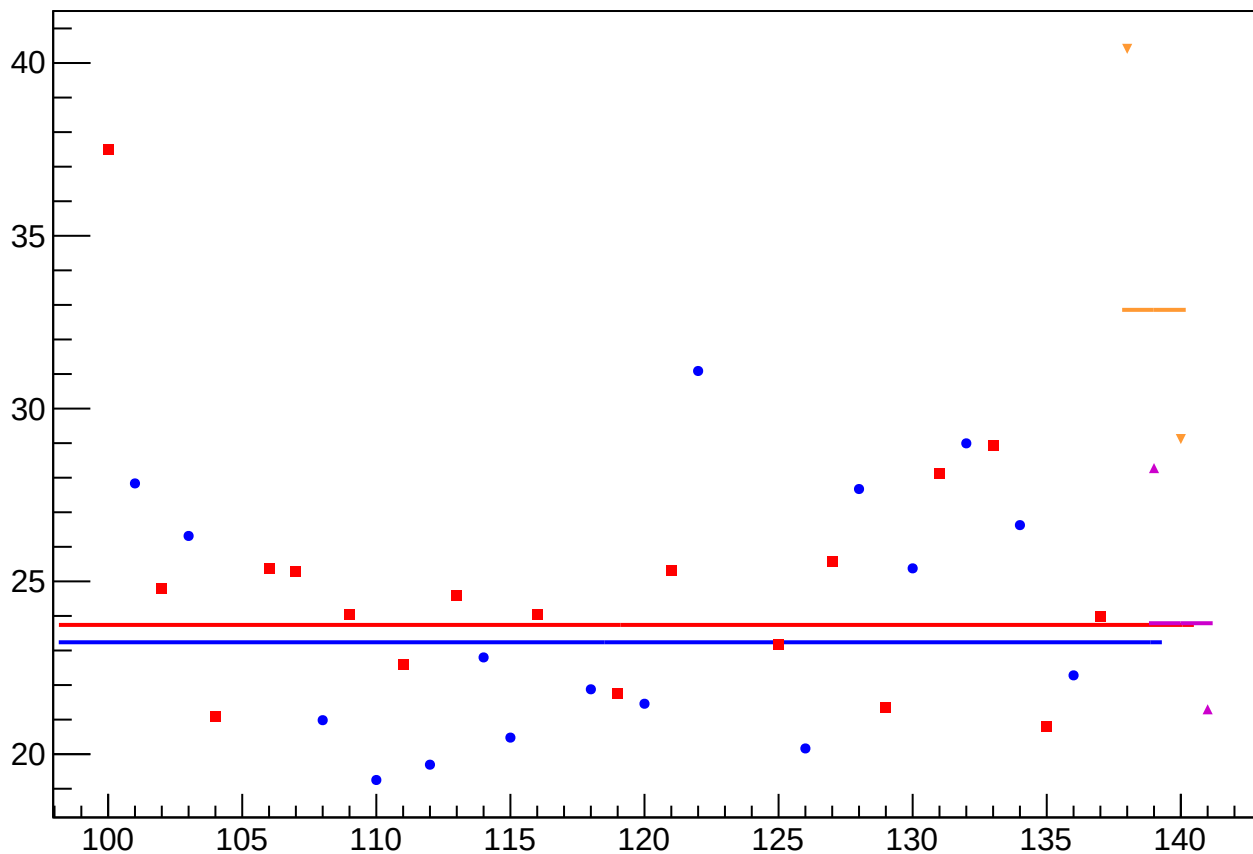
Left In: 0.006 ± 0.019 χ^2/NDF : 2.9/1

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

All: 0.000 ± 0.006 χ^2/NDF : 26.5/37

- sign 0.005 ± 0.008 χ^2/NDF : 16.4/19

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238 $\pm$ 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

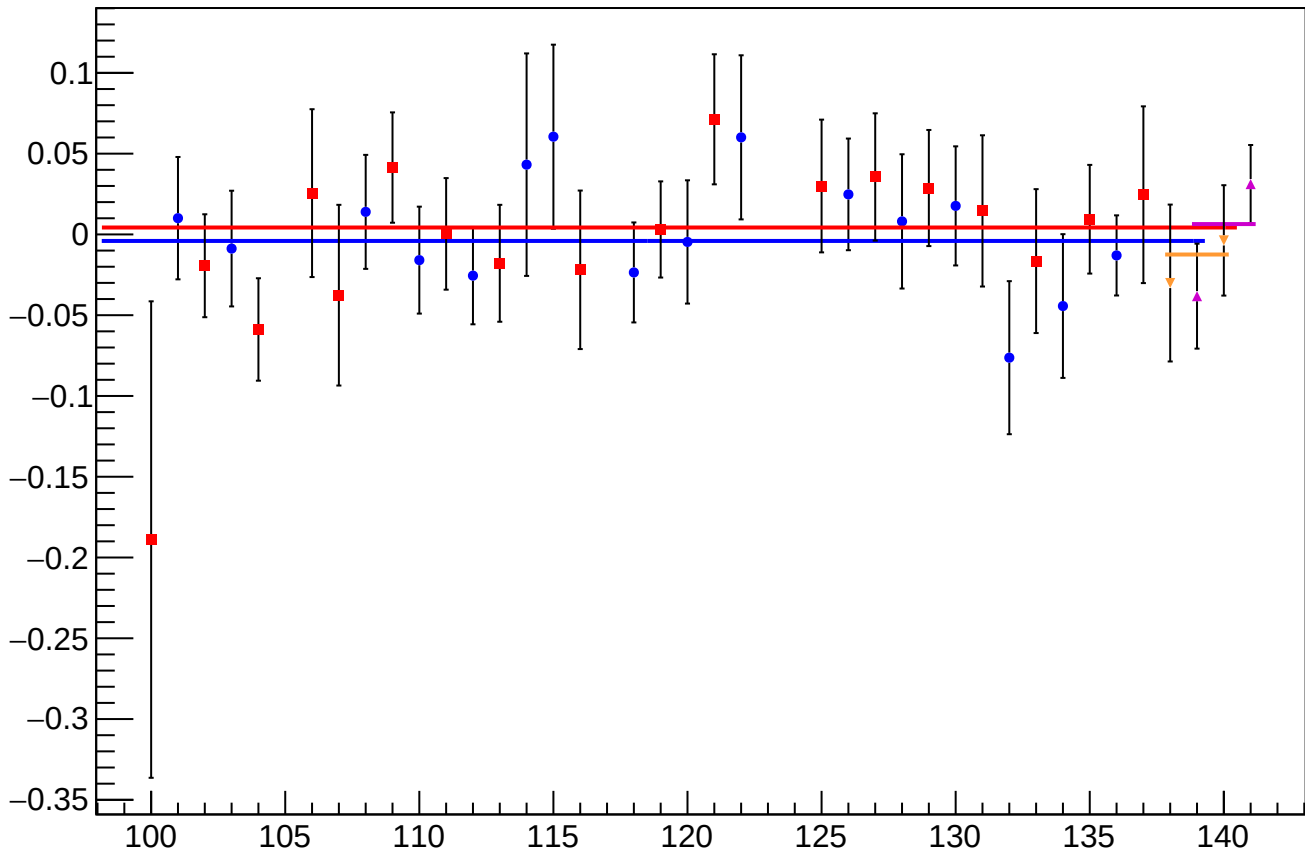
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59390.4/1

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

All: 23.960 $\pm$ 0.004 χ^2 /NDF: 733308.2/37

- sign 23.749 $\pm$ 0.006 χ^2 /NDF: 185584.3/19

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 $\pm$ 0.009 χ^2 /NDF: 9.2/15

Left Out: -0.012 $\pm$ 0.028 χ^2 /NDF: 0.2/1

Right Out: 0.004 $\pm$ 0.009 χ^2 /NDF: 13.5/17

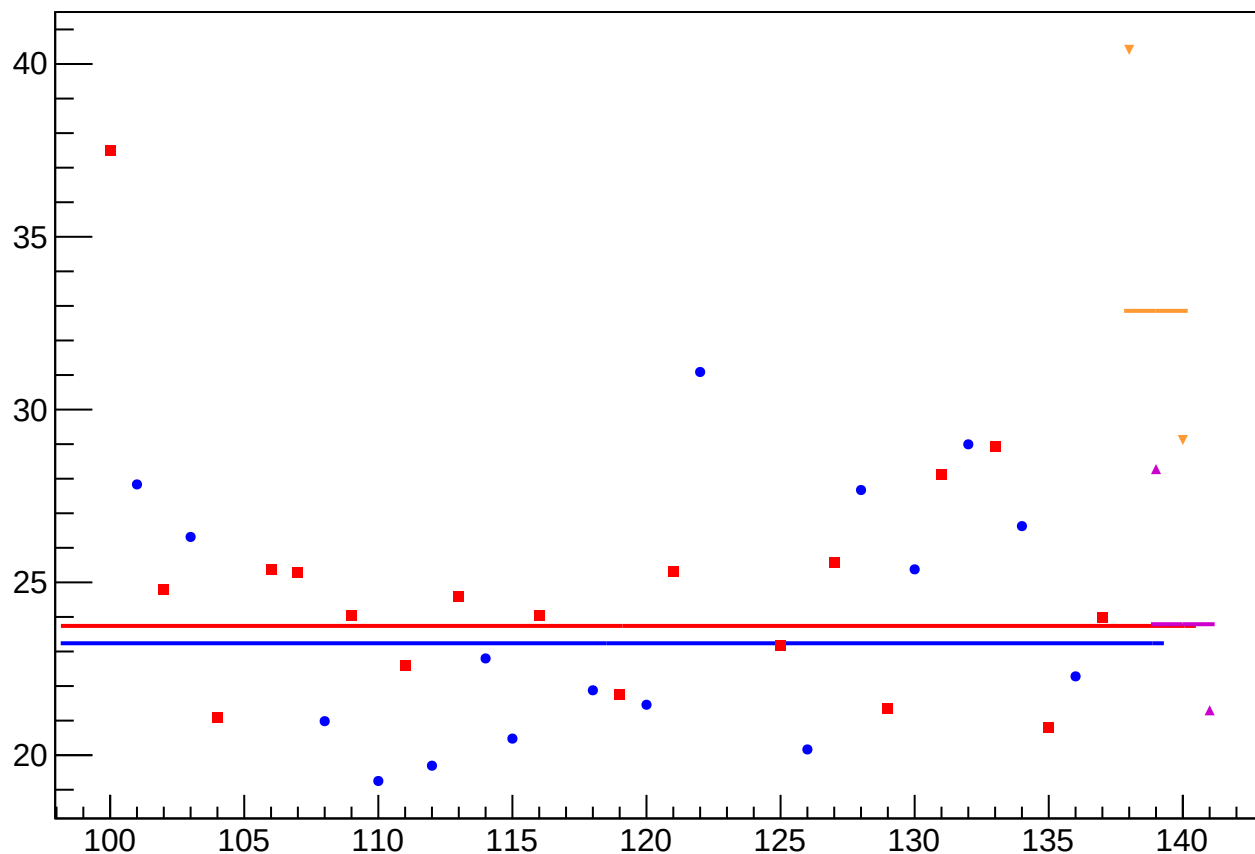
Left In: 0.006 $\pm$ 0.019 χ^2 /NDF: 2.9/1

+ sign -0.005 $\pm$ 0.009 χ^2 /NDF: 9.5/17

All: 0.000 $\pm$ 0.006 χ^2 /NDF: 26.5/37

- sign 0.005 $\pm$ 0.008 χ^2 /NDF: 16.4/19

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

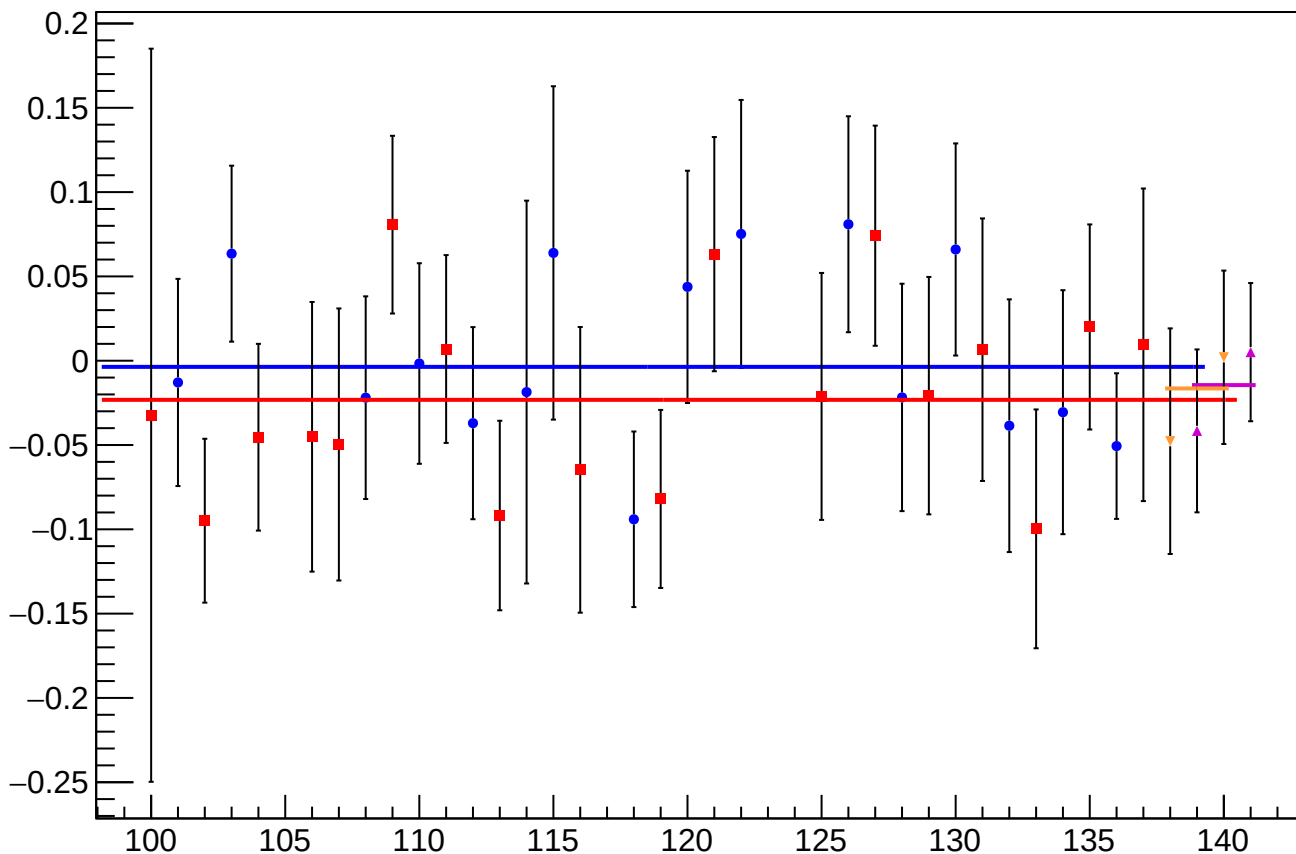
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59390.4/1

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

All: 23.960 $\pm$ 0.004 χ^2 /NDF: 733308.2/37

- sign 23.749 $\pm$ 0.006 χ^2 /NDF: 185584.3/19

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

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

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

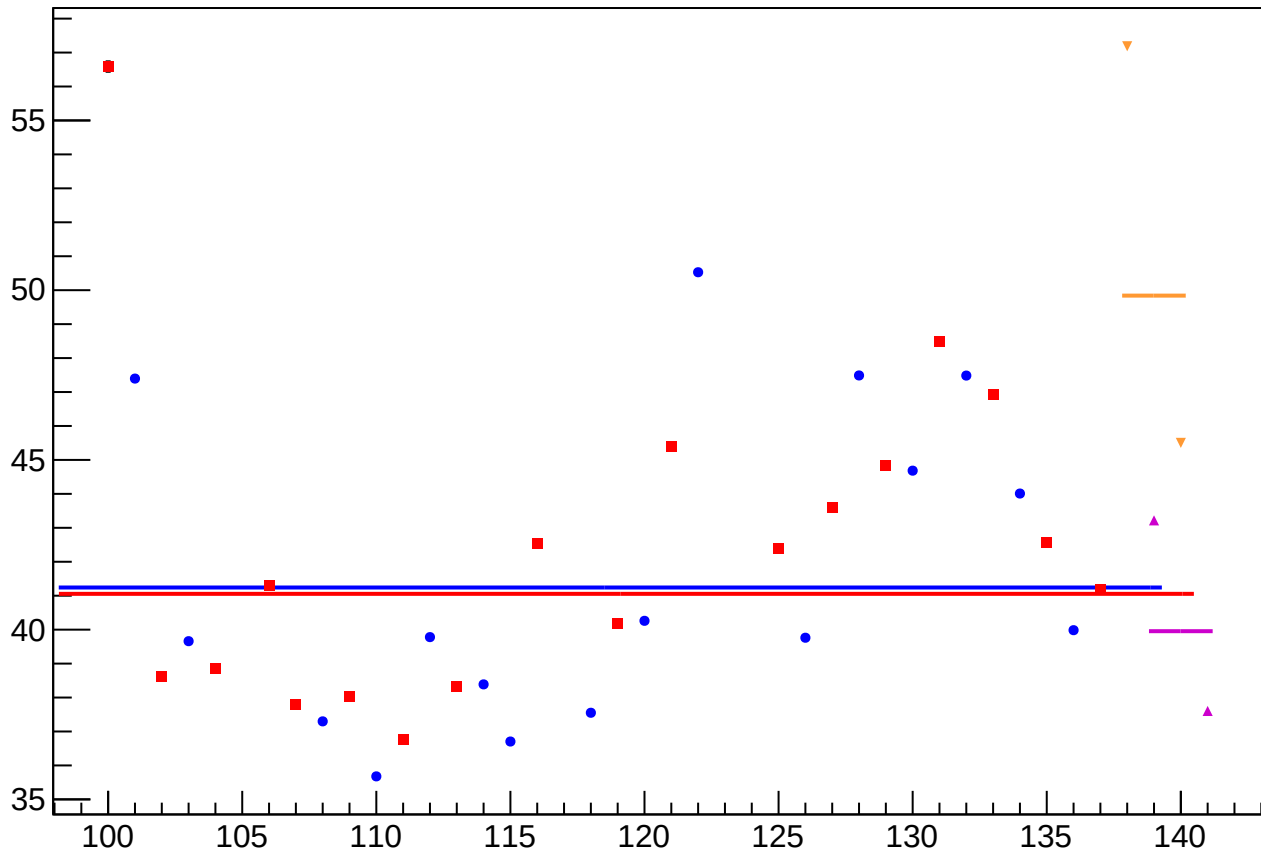
Left In: -0.014 ± 0.031 χ^2/NDF : 0.5/1

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

All: -0.014 ± 0.010 χ^2/NDF : 28.7/37

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

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

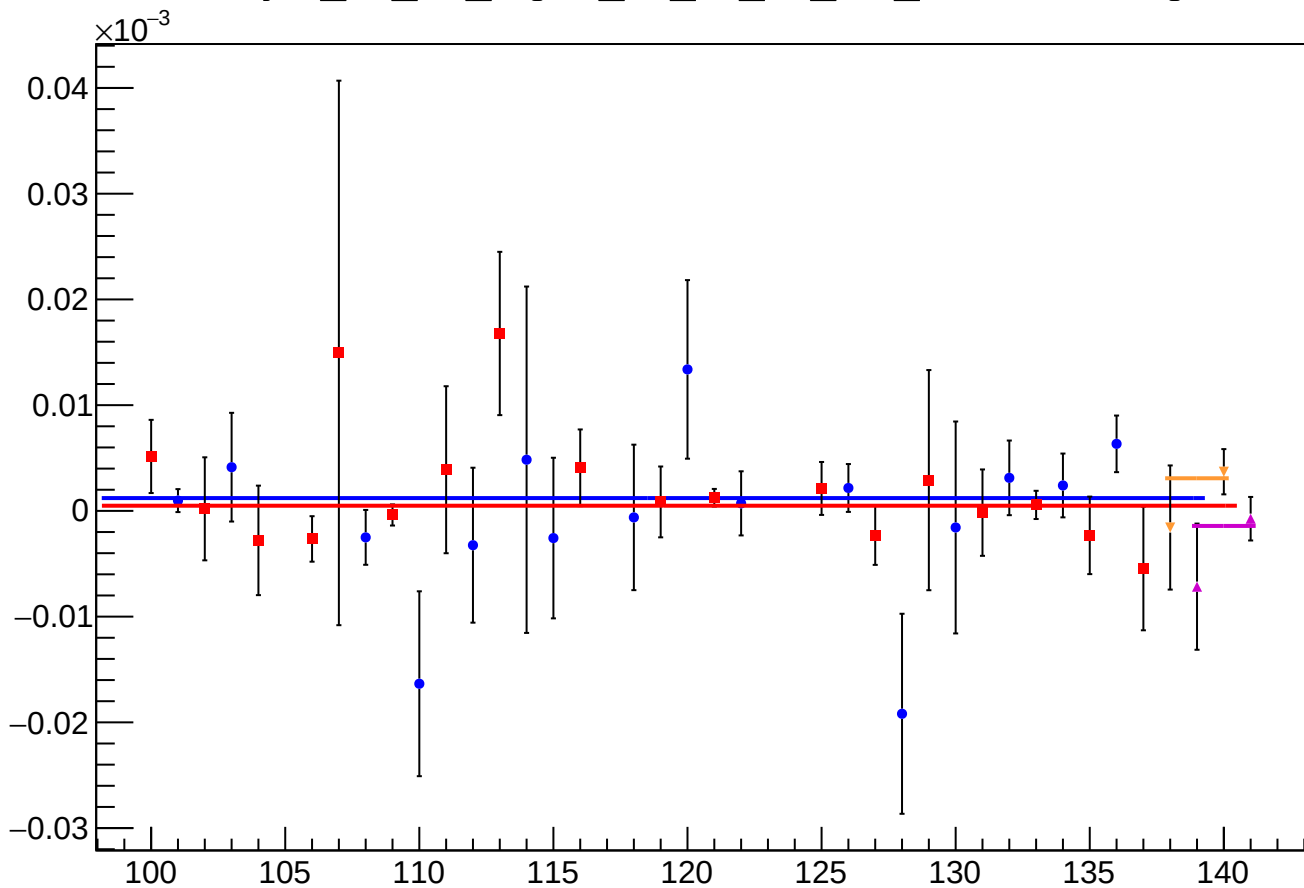
Left In: 39.955 $\pm$ 0.022 χ^2 /NDF: 15707.6/1

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

All: 41.555 $\pm$ 0.007 χ^2 /NDF: 376596.3/37

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

asym_us_dd_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: 0.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/17

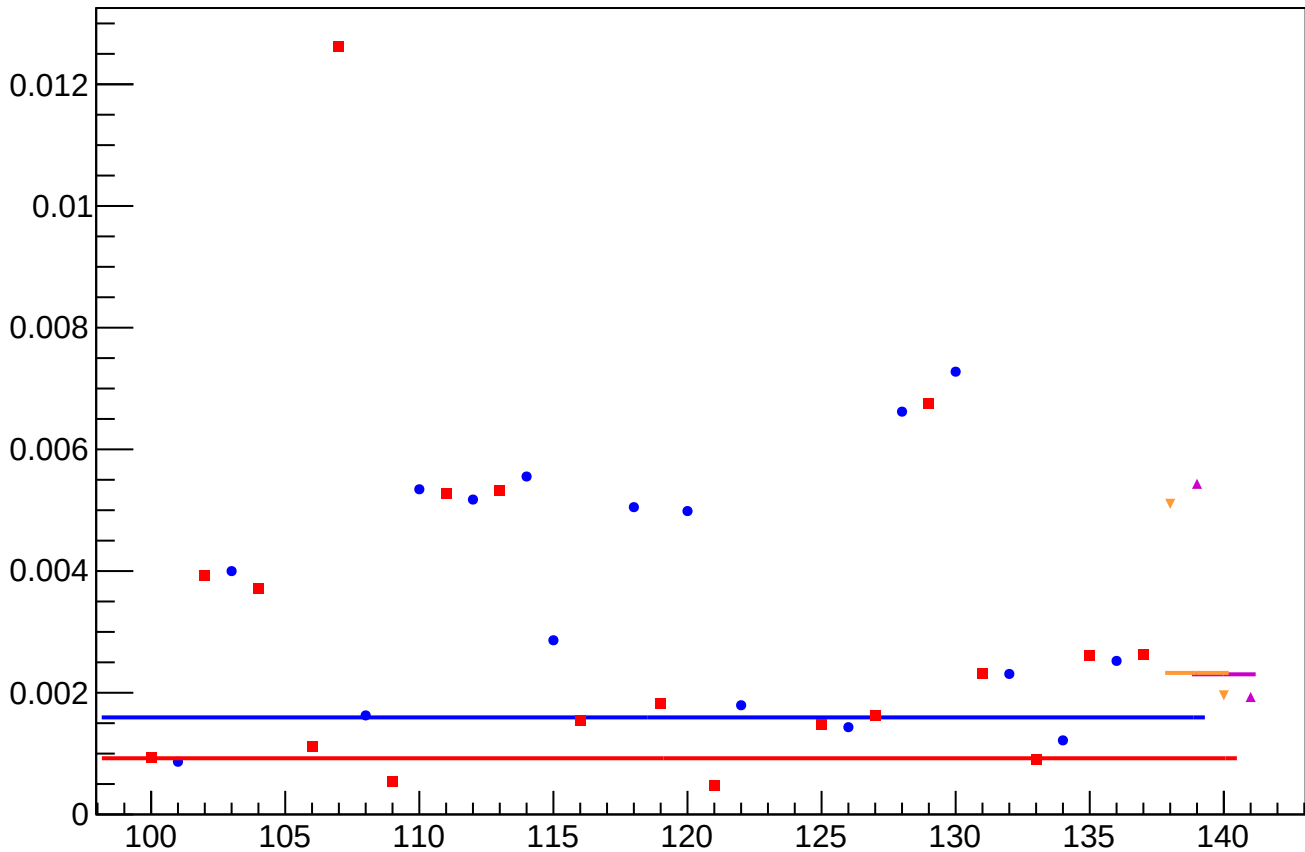
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/19

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF : 507493.6/1

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

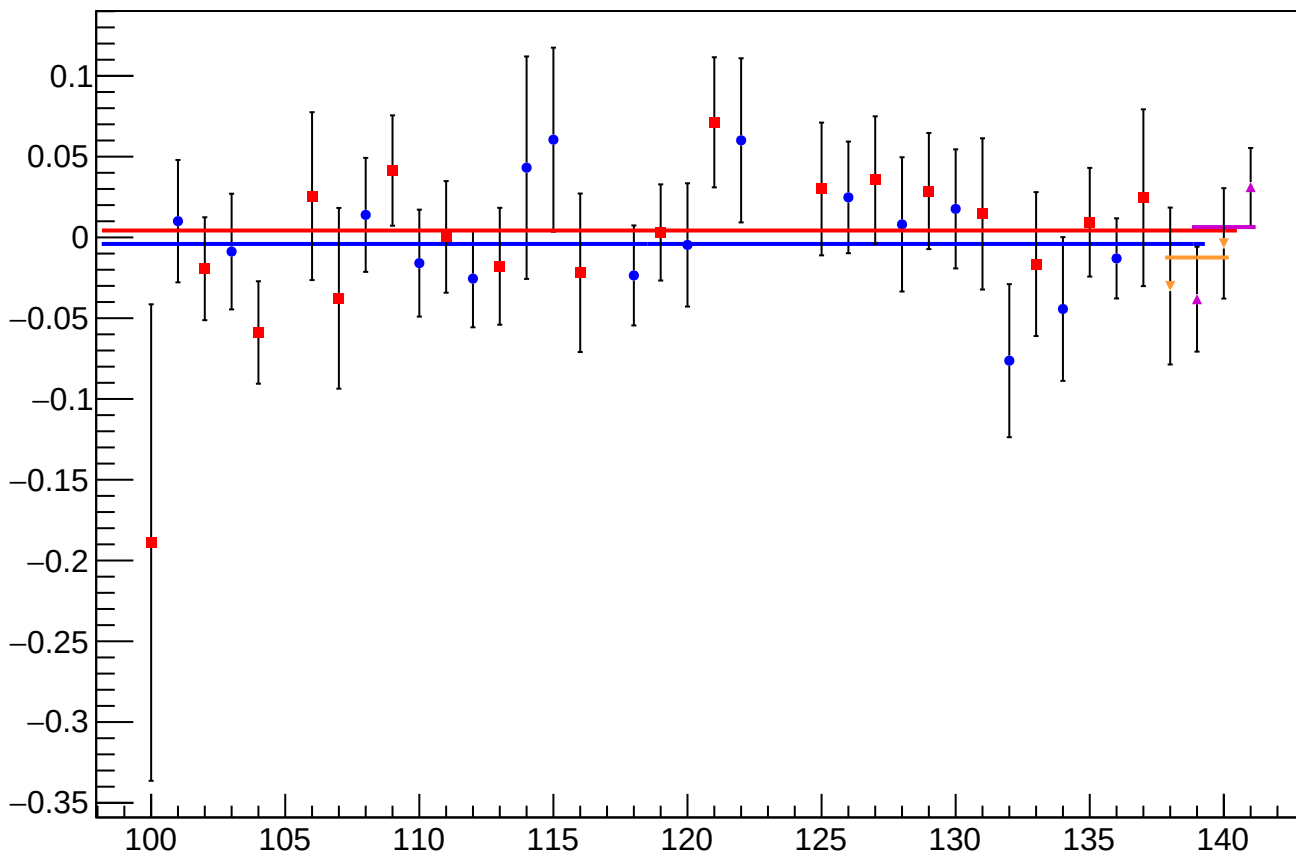
Left In: 0.002+/-0.000 χ^2/NDF : 616176.0/1

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

All: 0.001+/-0.000 χ^2/NDF : 14101596.2/37

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

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

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

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

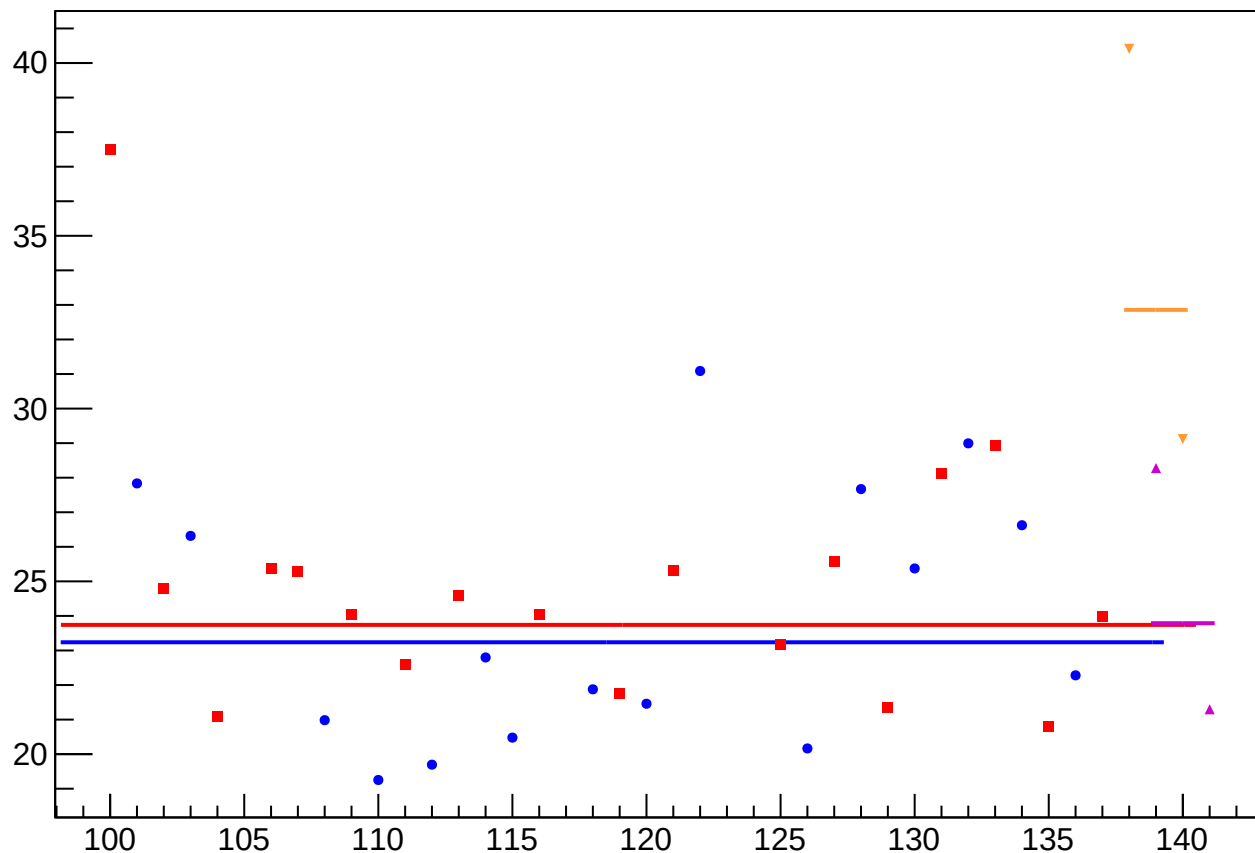
Left In: 0.006 ± 0.019 χ^2/NDF : 2.9/1

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

All: 0.000 ± 0.006 χ^2/NDF : 26.5/37

- sign 0.005 ± 0.008 χ^2/NDF : 16.4/19

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237 $\pm$ 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

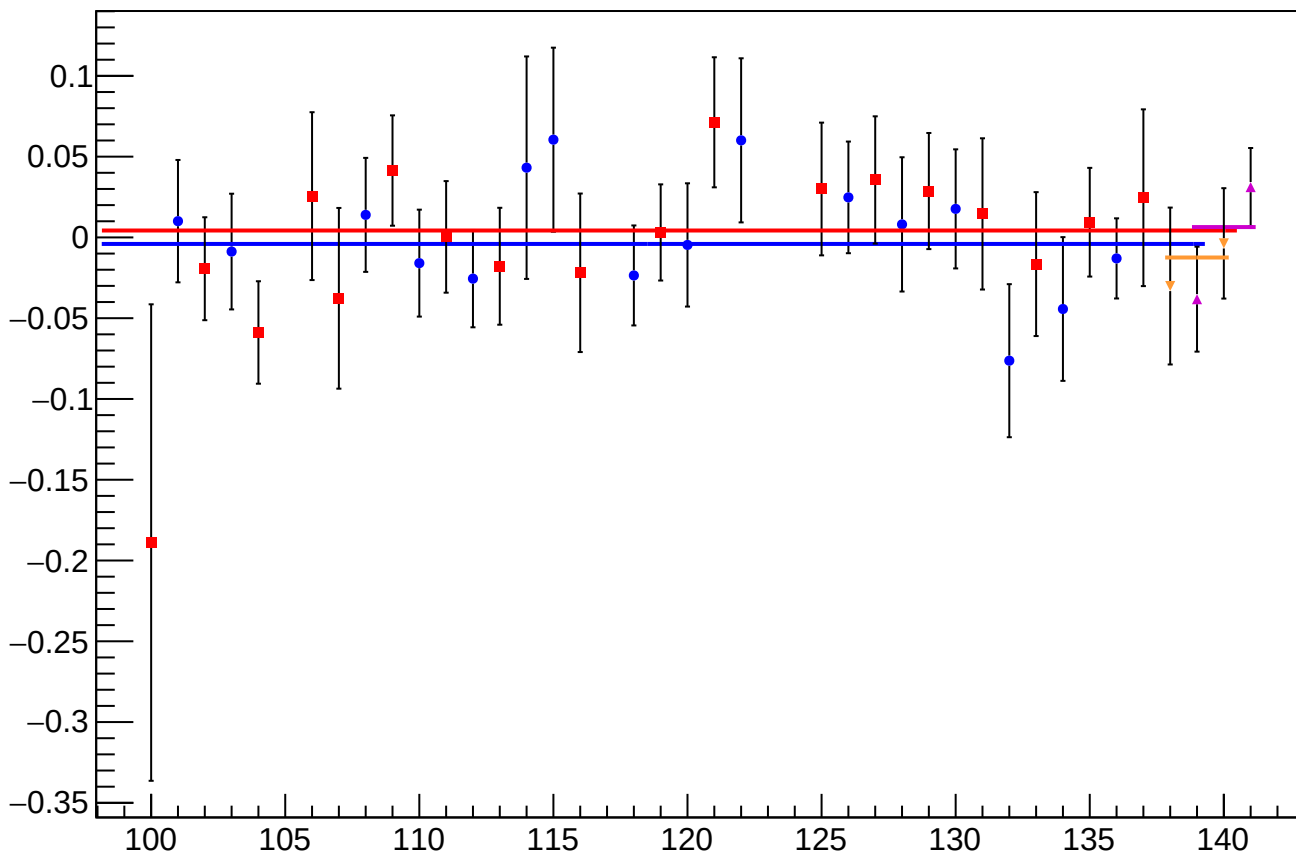
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59411.9/1

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

All: 23.959 $\pm$ 0.004 χ^2 /NDF: 733292.2/37

- sign 23.750 $\pm$ 0.006 χ^2 /NDF: 185555.0/19

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

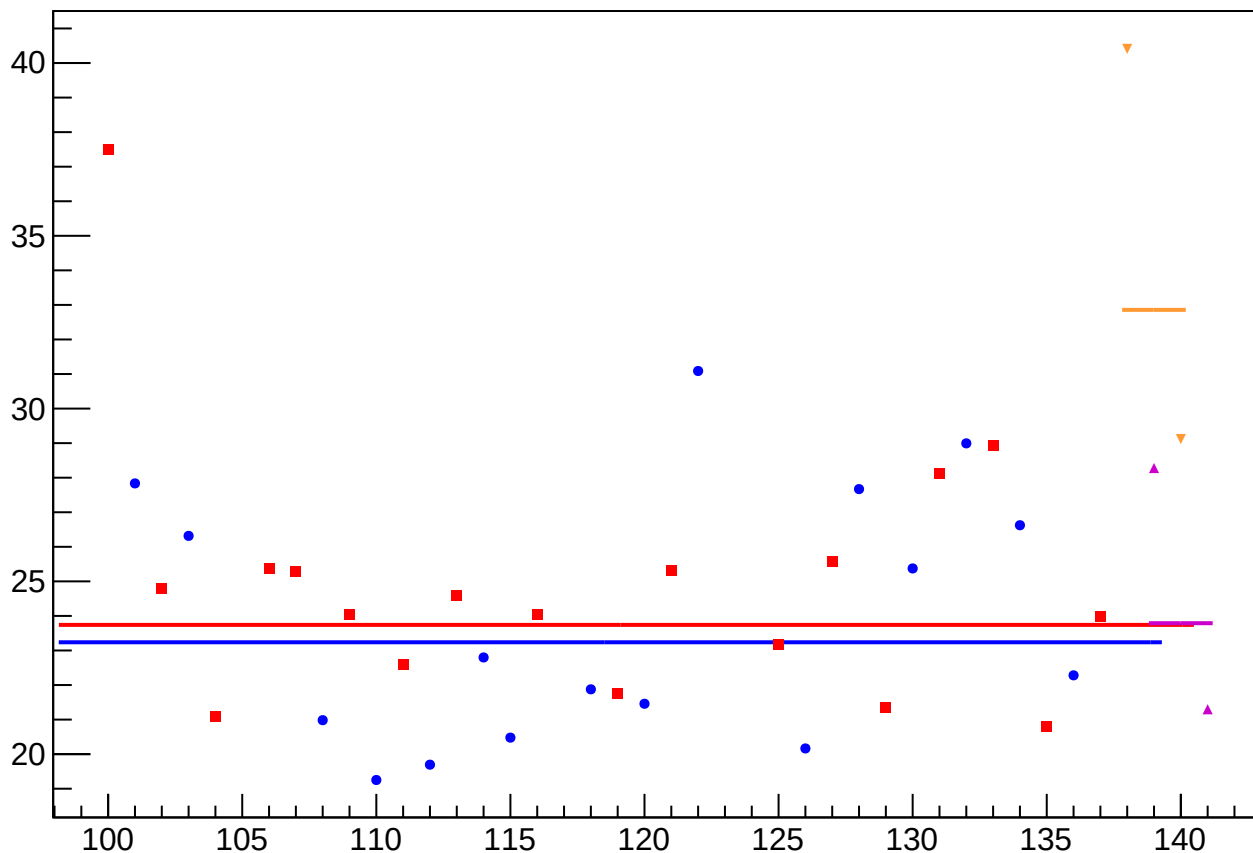
Left In: 0.006 ± 0.019 χ^2/NDF : 2.9/1

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

All: 0.000 ± 0.006 χ^2/NDF : 26.5/37

- sign 0.005 ± 0.008 χ^2/NDF : 16.4/19

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.237 $\pm$ 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

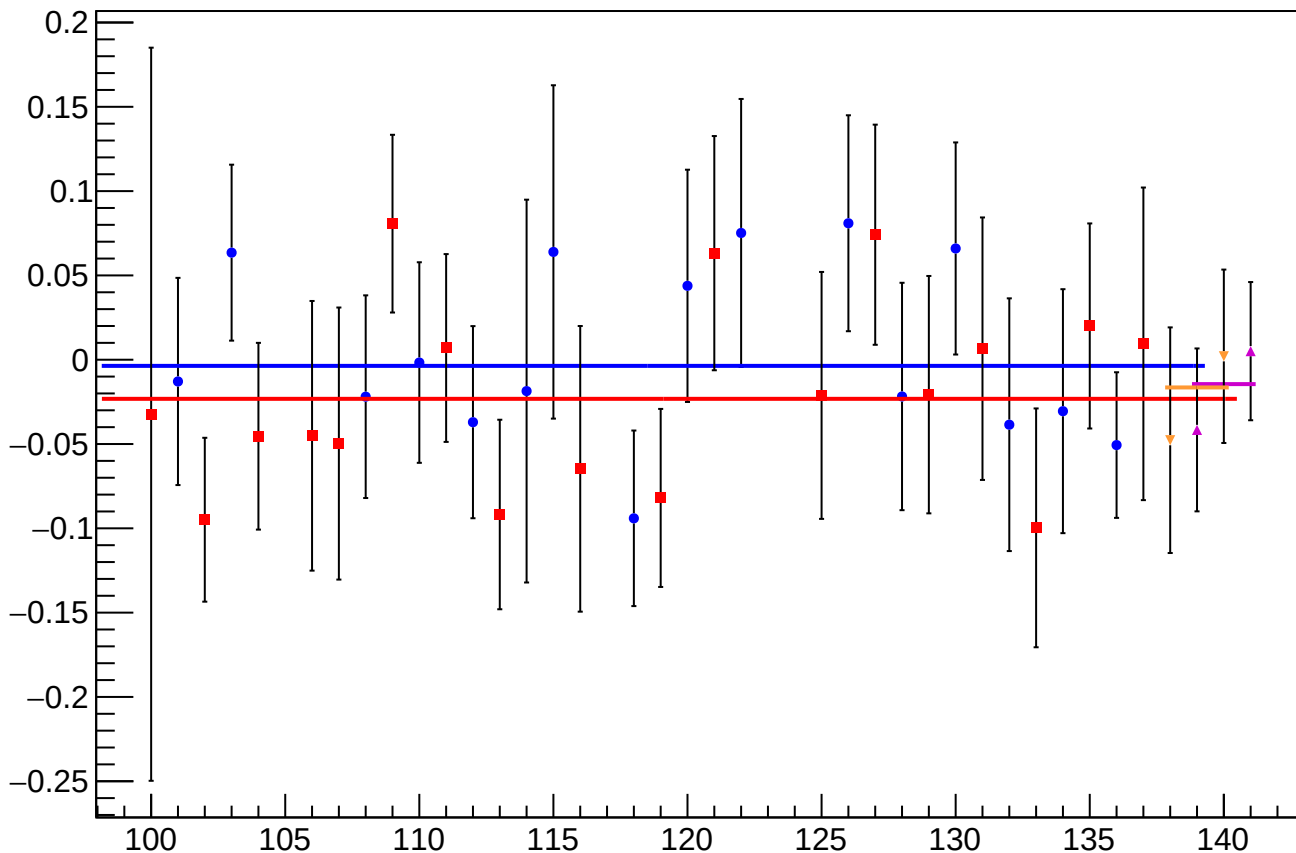
Left In: 23.789 $\pm$ 0.014 χ^2/NDF : 59411.9/1

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

All: 23.959 $\pm$ 0.004 χ^2/NDF : 733292.2/37

- sign 23.750 $\pm$ 0.006 χ^2/NDF : 185555.0/19

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004 ± 0.016 $\chi^2/\text{NDF}: 11.7/15$

Left Out: -0.016 ± 0.041 $\chi^2/\text{NDF}: 0.3/1$

Right Out: -0.023 ± 0.016 $\chi^2/\text{NDF}: 15.4/17$

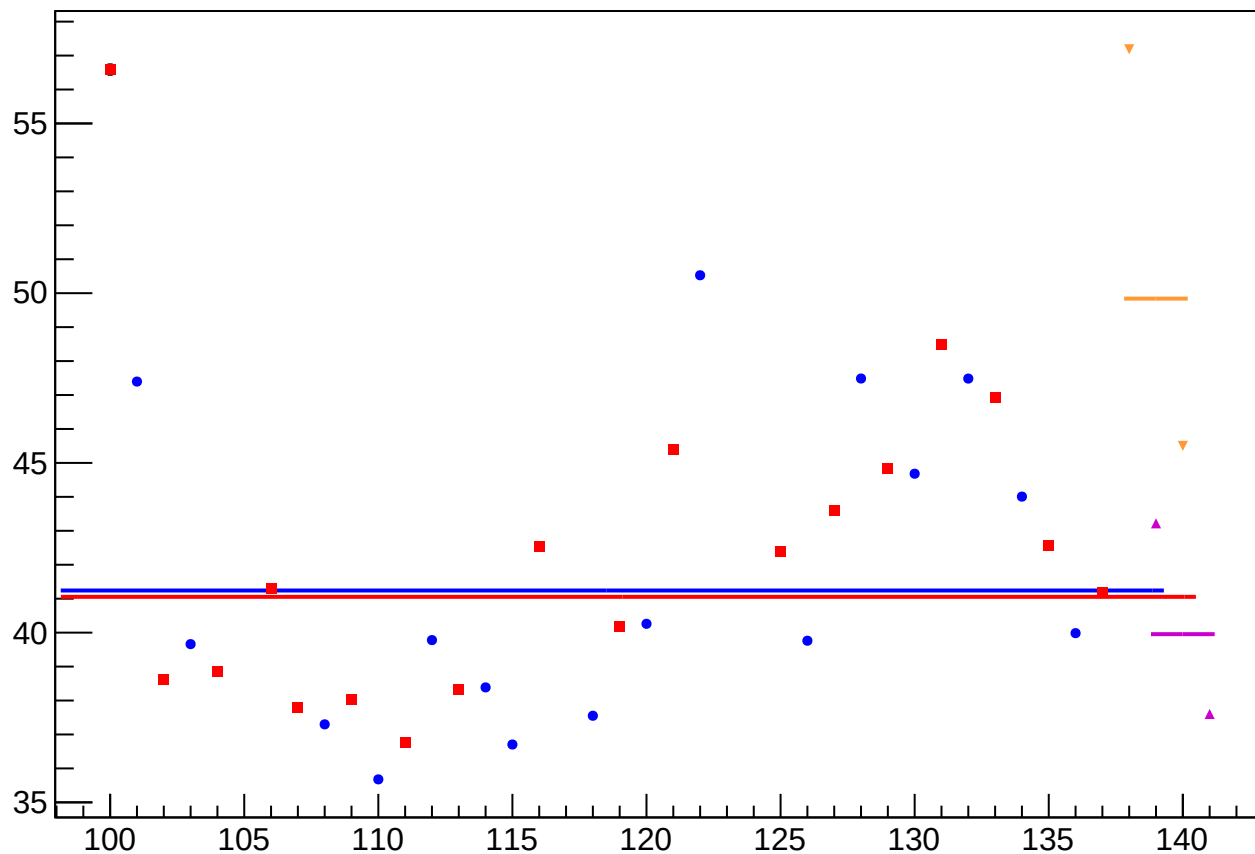
Left In: -0.014 ± 0.031 $\chi^2/\text{NDF}: 0.5/1$

+ sign -0.005 ± 0.015 $\chi^2/\text{NDF}: 12.1/17$

All: -0.014 ± 0.010 $\chi^2/\text{NDF}: 28.7/37$

- sign -0.021 ± 0.014 $\chi^2/\text{NDF}: 16.0/19$

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

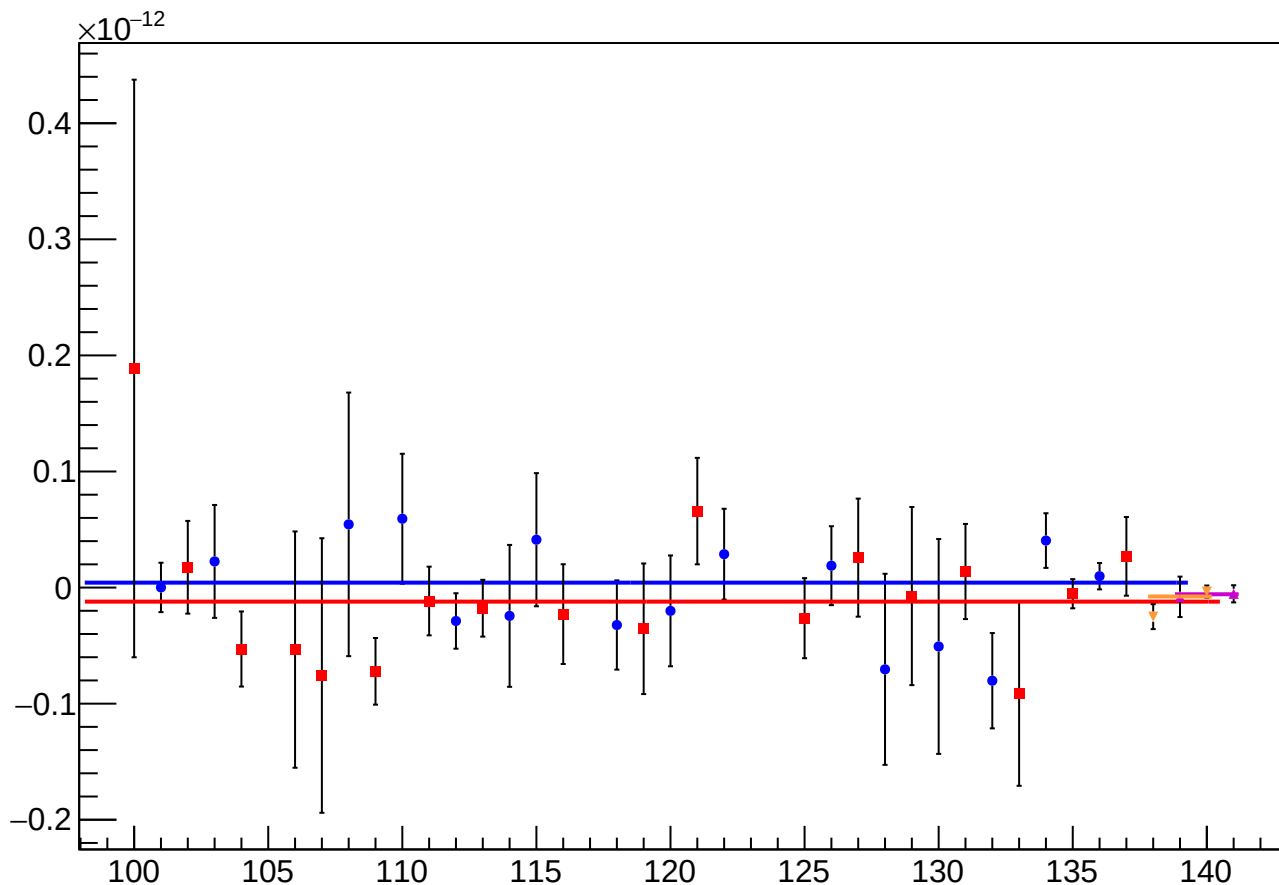
Left In: 39.955 $\pm$ 0.022 χ^2 /NDF:15713.2/1

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

All: 41.555 $\pm$ 0.007 χ^2 /NDF: 376570.7/37

- sign 40.837 $\pm$ 0.010 χ^2 /NDF: 114249.8/19

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 13.6/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 3.3/1

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

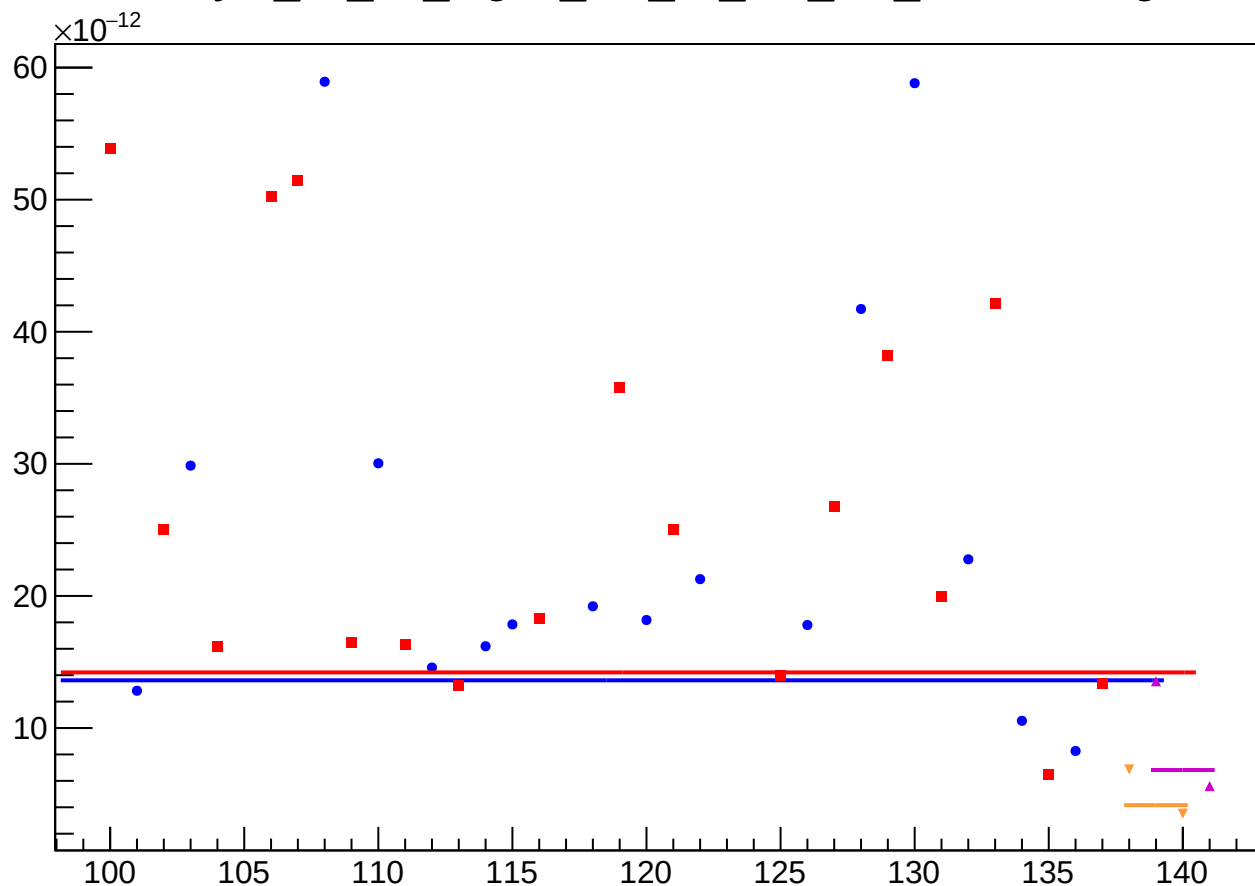
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.7/17

All: -0.000 ± 0.000 χ^2/NDF : 34.1/37

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

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 157300.5/1

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

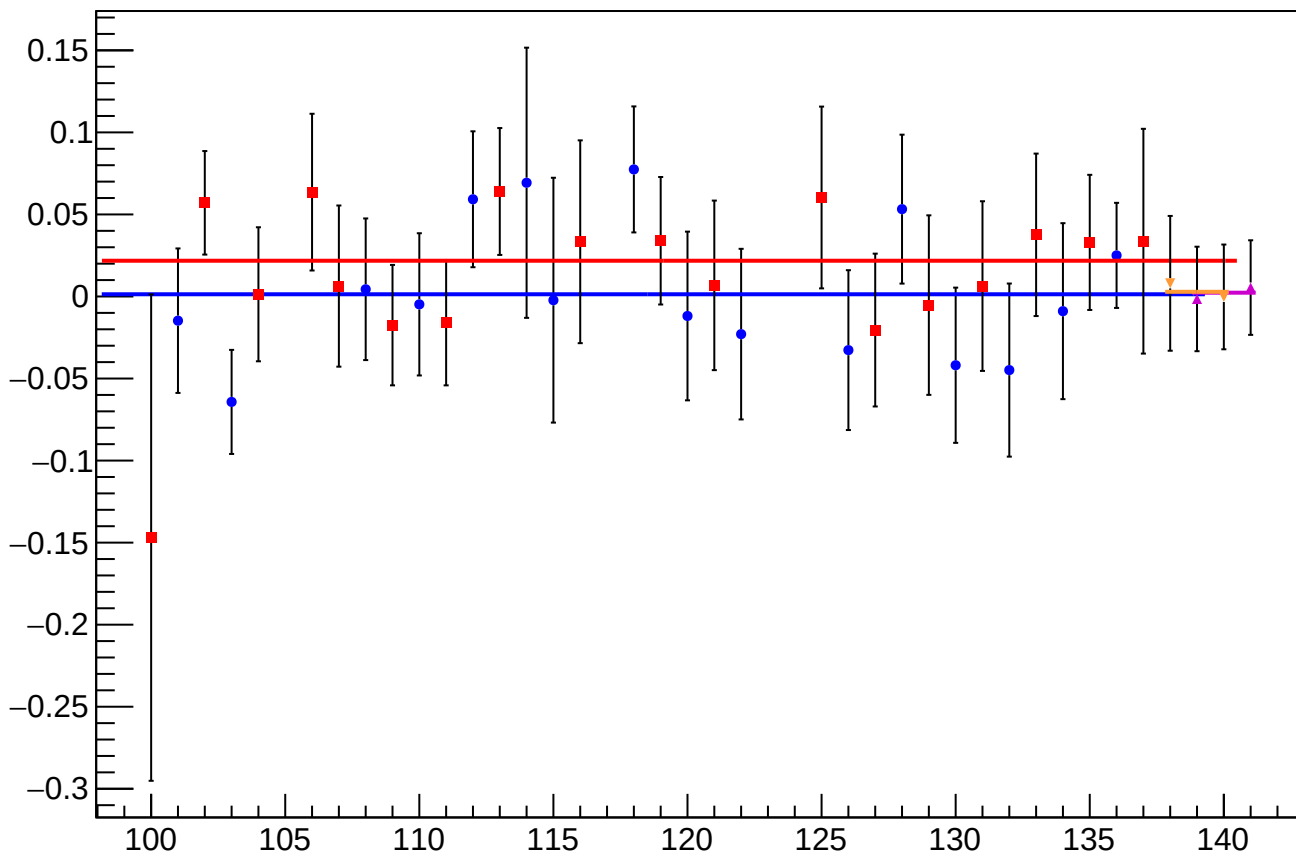
Left In: 0.000+/-0.000 χ^2/NDF : 351880.7/1

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

All: 0.000+/-0.000 χ^2/NDF : 8975530.8/37

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

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

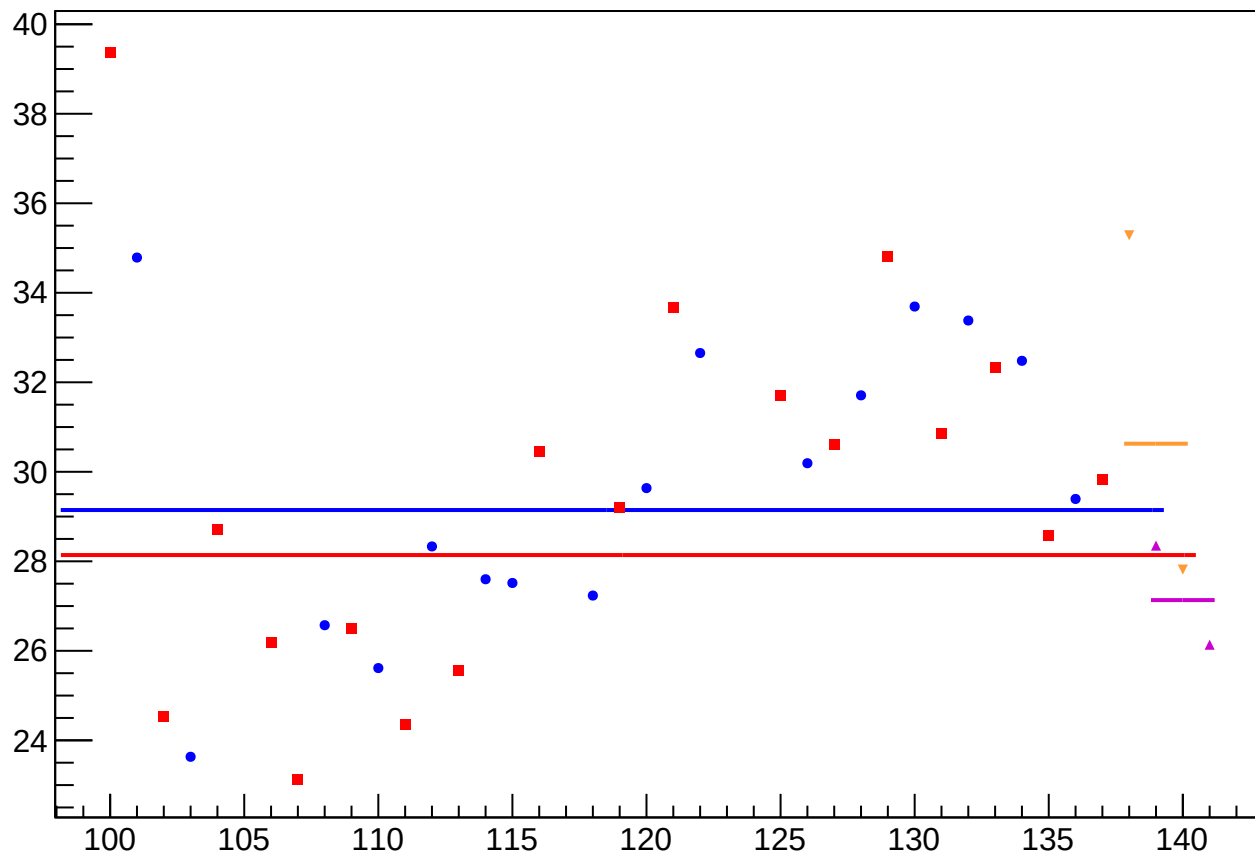
Left In: 0.002 $\pm$ 0.021 χ^2 /NDF: 0.0/1

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

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 26.4/37

- sign 0.018 $\pm$ 0.010 χ^2 /NDF: 9.7/19

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

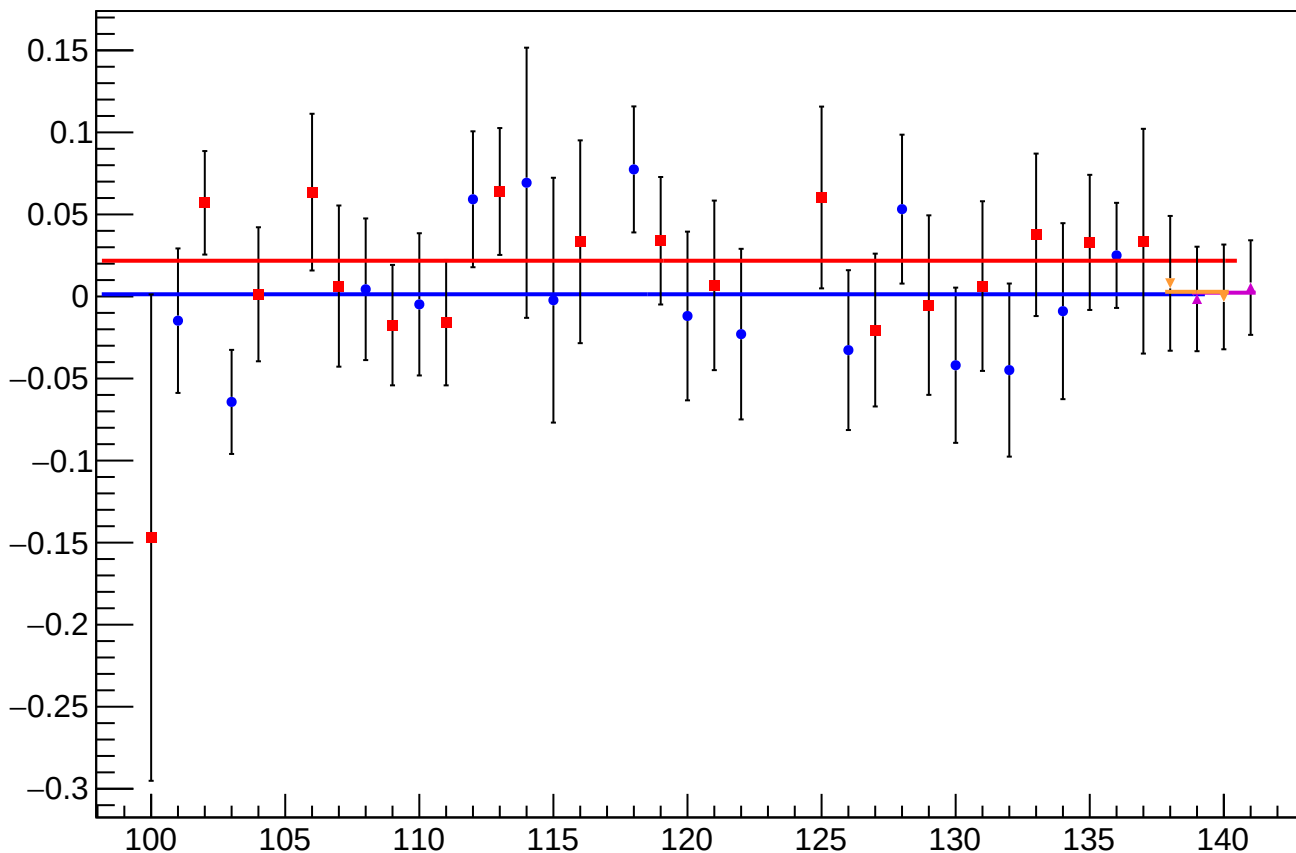
Left In: 27.134 $\pm$ 0.015 χ^2 /NDF: 5314.6/1

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

All: 28.618 $\pm$ 0.005 χ^2 /NDF: 441275.8/37

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

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

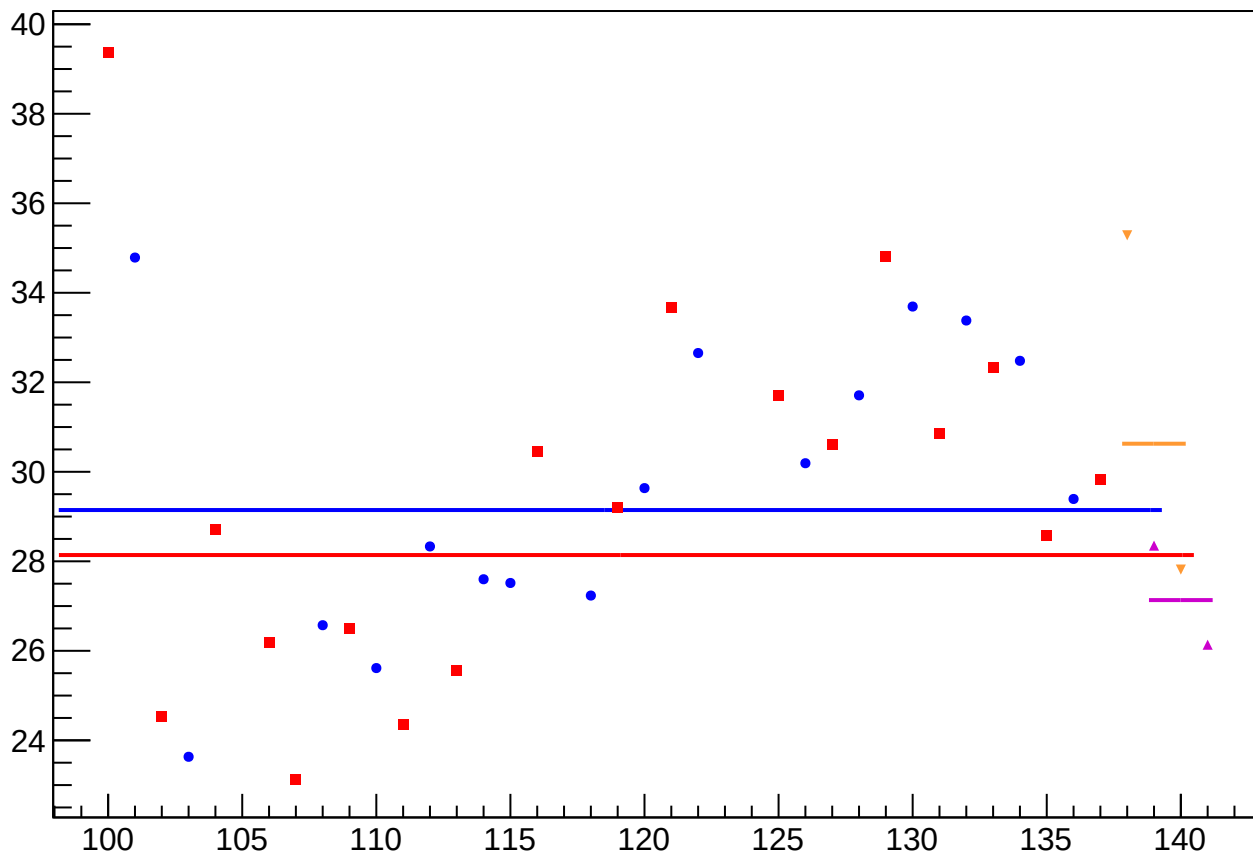
Left In: 0.002 $\pm$ 0.021 χ^2 /NDF: 0.0/1

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

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 26.4/37

- sign 0.018 $\pm$ 0.010 χ^2 /NDF: 9.7/19

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

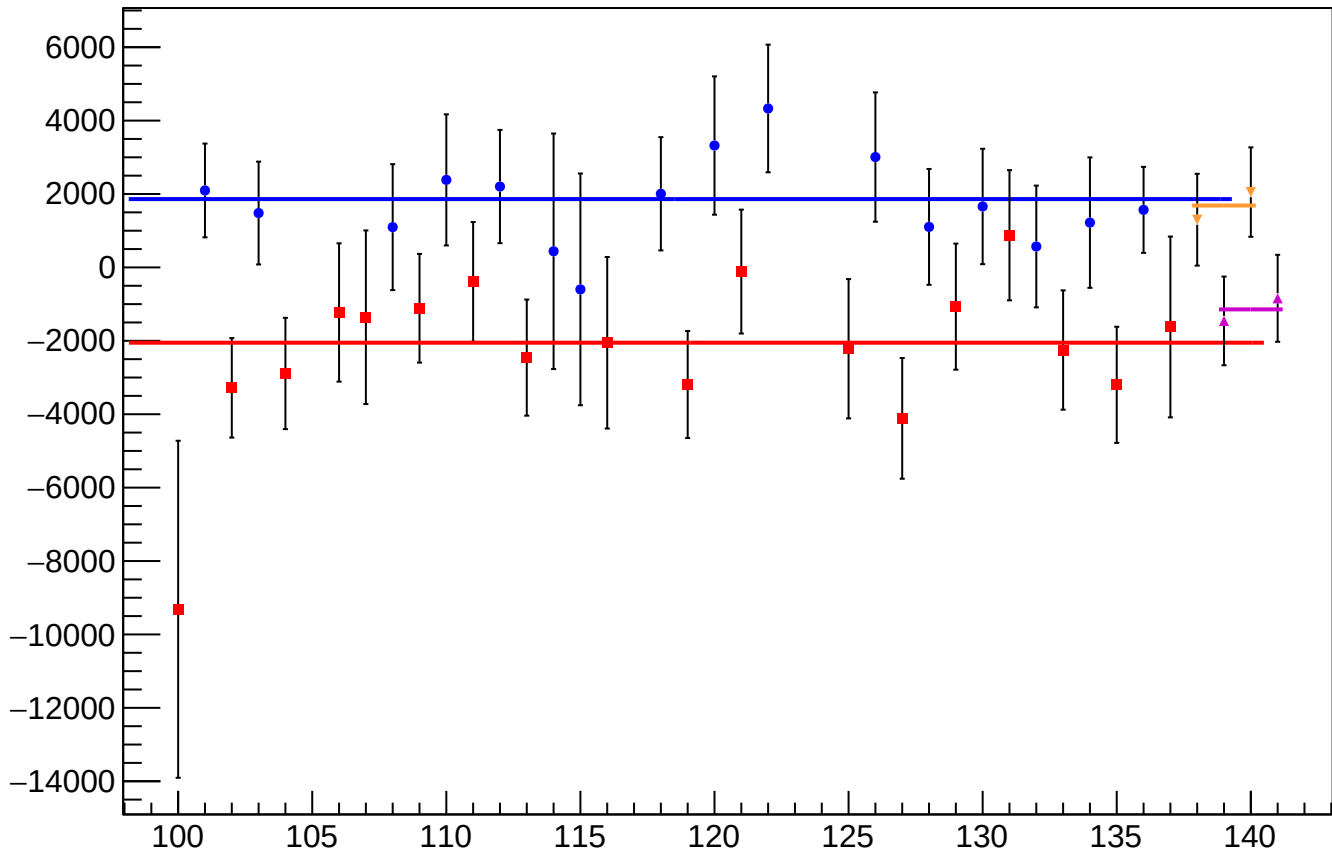
Left In: 27.134 $\pm$ 0.015 χ^2 /NDF: 5314.6/1

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

All: 28.618 $\pm$ 0.005 χ^2 /NDF: 441275.8/37

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

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

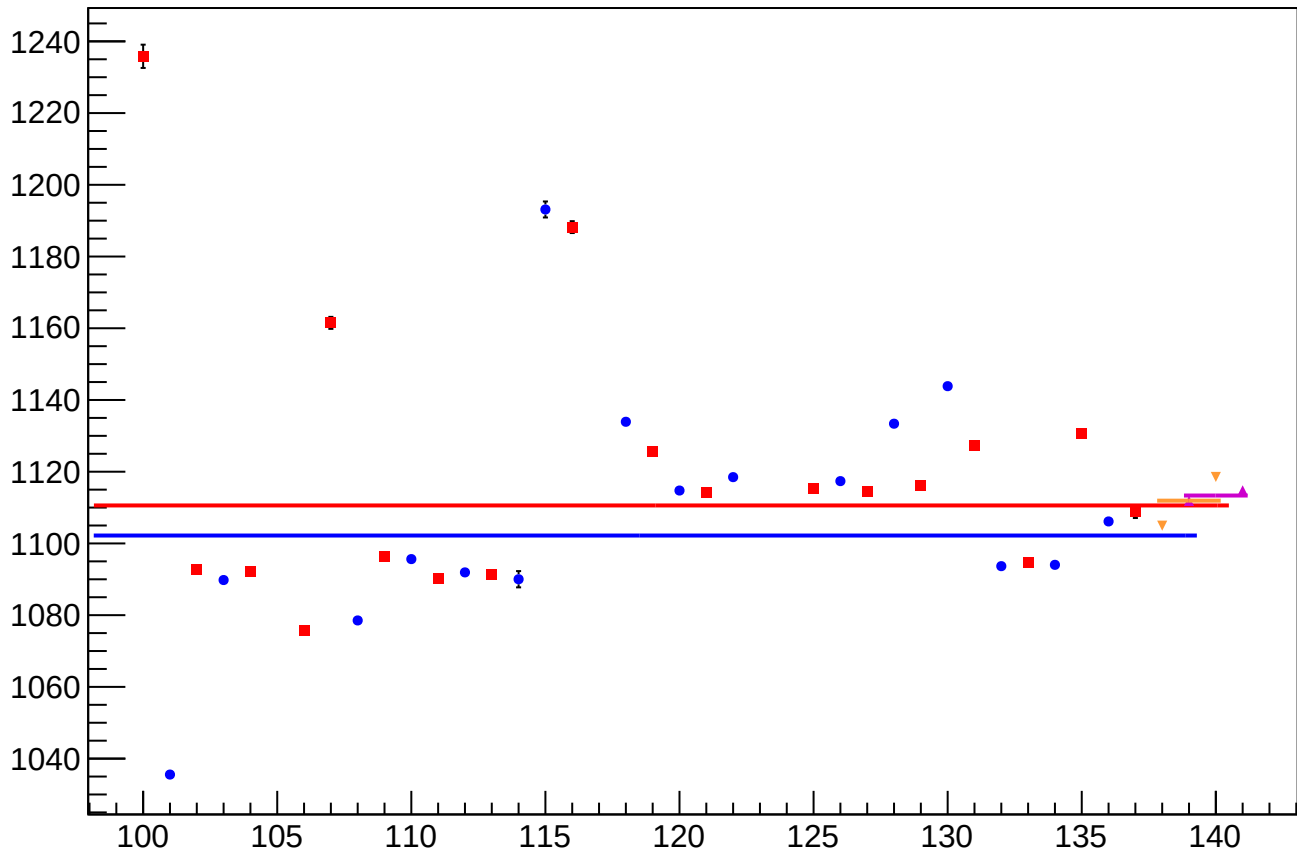
Left In: -1143.738 $\pm$ 846.169 χ^2 /NDF: 0.1/1

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

All: -36.069 $\pm$ 261.326 χ^2 /NDF: 69.5/37

- sign -1878.880 $\pm$ 368.421 χ^2 /NDF: 13.6/19

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

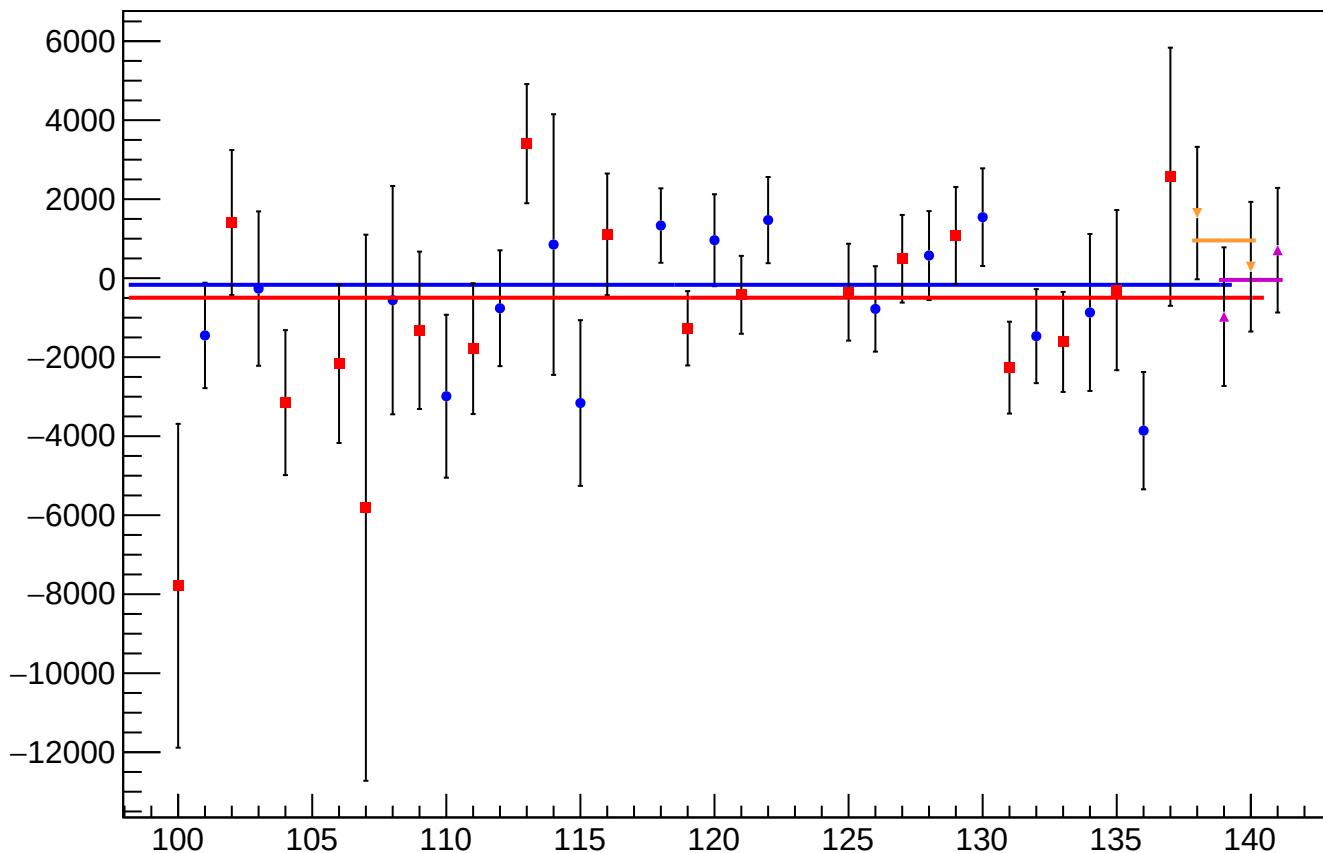
Left In: 1113.359 $\pm$ 0.598 χ^2 /NDF:6.2/1

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

All: 1107.560 $\pm$ 0.185 χ^2 /NDF: 19768.0/37

- sign 1111.116 $\pm$ 0.261 χ^2 /NDF: 7719.5/19

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

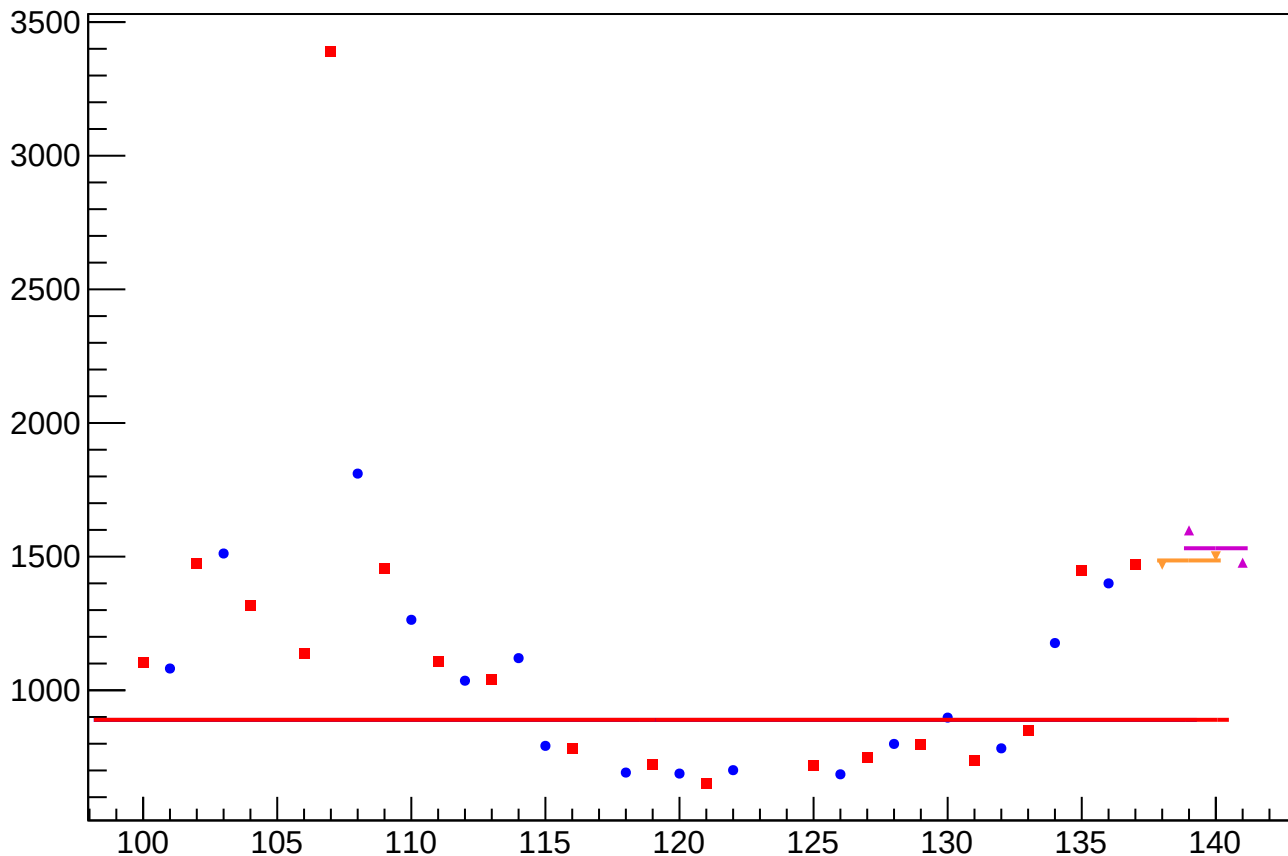
Left In: -43.728 ± 1172.799 χ^2/NDF : 0.5/1

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

All: -268.930 ± 234.191 χ^2/NDF : 46.8/37

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

asym_usl_reg_correction_rms vs Slug



Right In: 888.956 ± 0.244 $\chi^2/\text{NDF}: 1132766.3/15$

Left Out: 1485.715 ± 0.829 $\chi^2/\text{NDF}: 359.0/1$

Right Out: 889.478 ± 0.244 $\chi^2/\text{NDF}: 1345750.2/17$

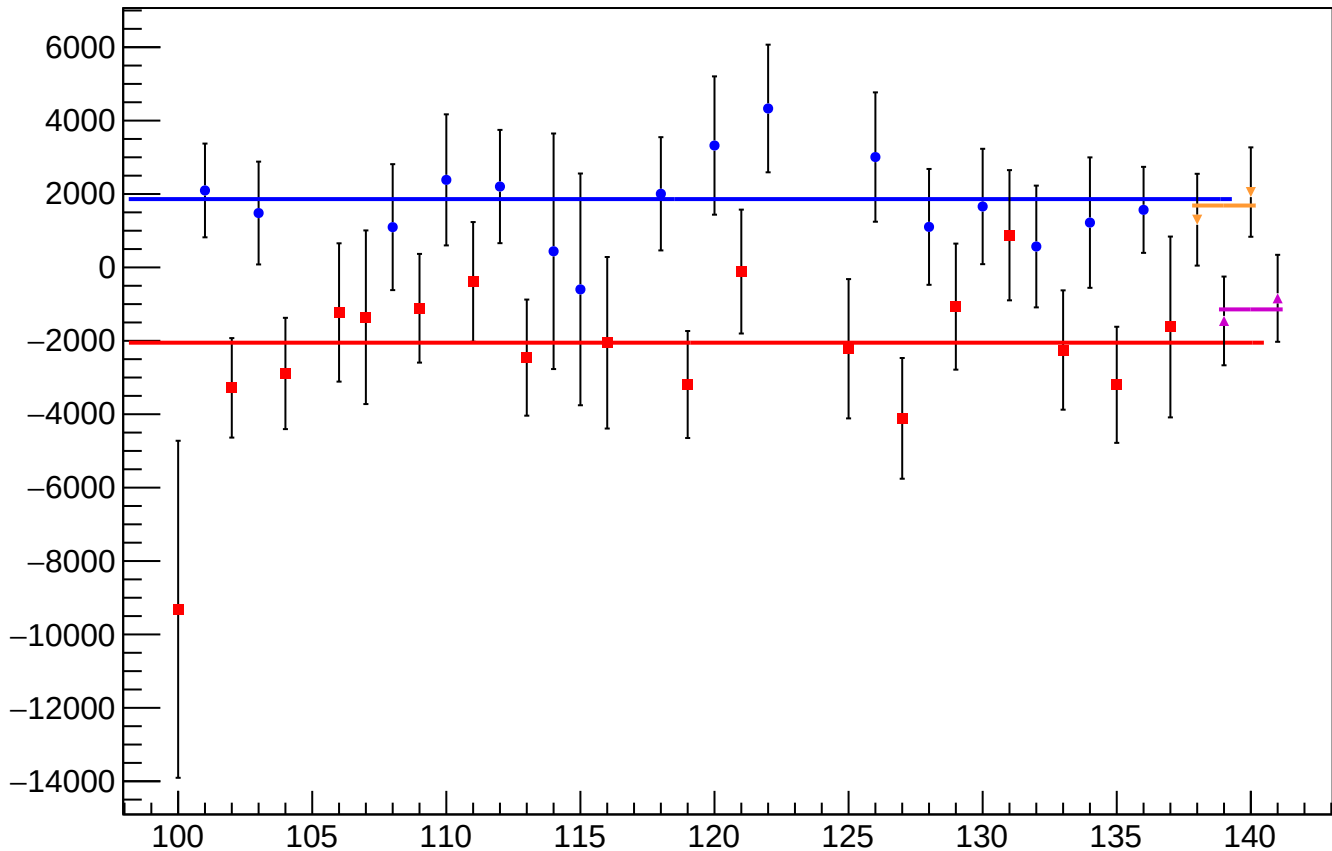
Left In: 1531.365 ± 0.829 $\chi^2/\text{NDF}: 5255.6/1$

+ sign 936.592 ± 0.234 $\chi^2/\text{NDF}: 1609571.1/17$

All: 938.605 ± 0.166 $\chi^2/\text{NDF}: 3512097.6/37$

- sign 940.614 ± 0.234 $\chi^2/\text{NDF}: 1902378.9/19$

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

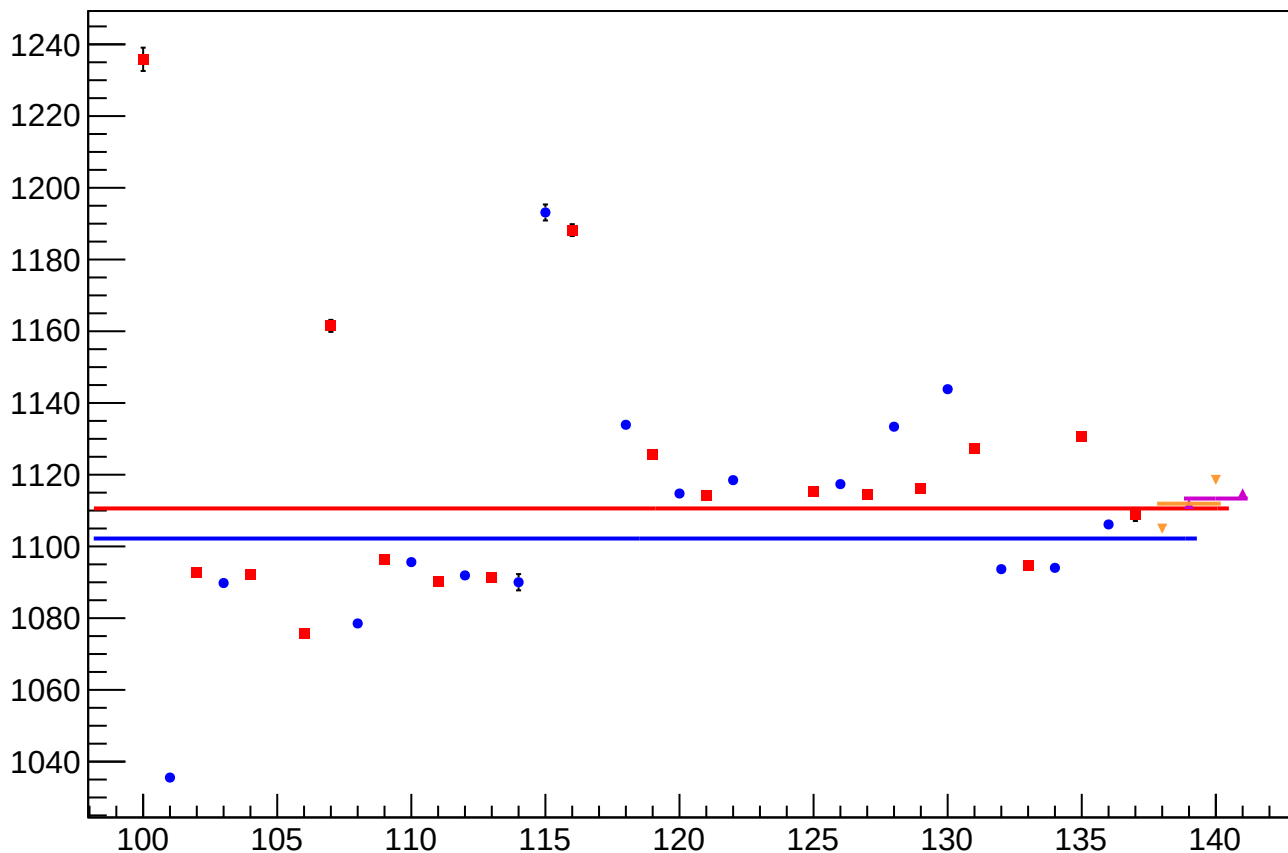
Left In: -1143.738 $\pm$ 846.169 χ^2 /NDF: 0.1/1

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

All: -36.069 $\pm$ 261.326 χ^2 /NDF: 69.5/37

- sign -1878.880 $\pm$ 368.421 χ^2 /NDF: 13.6/19

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

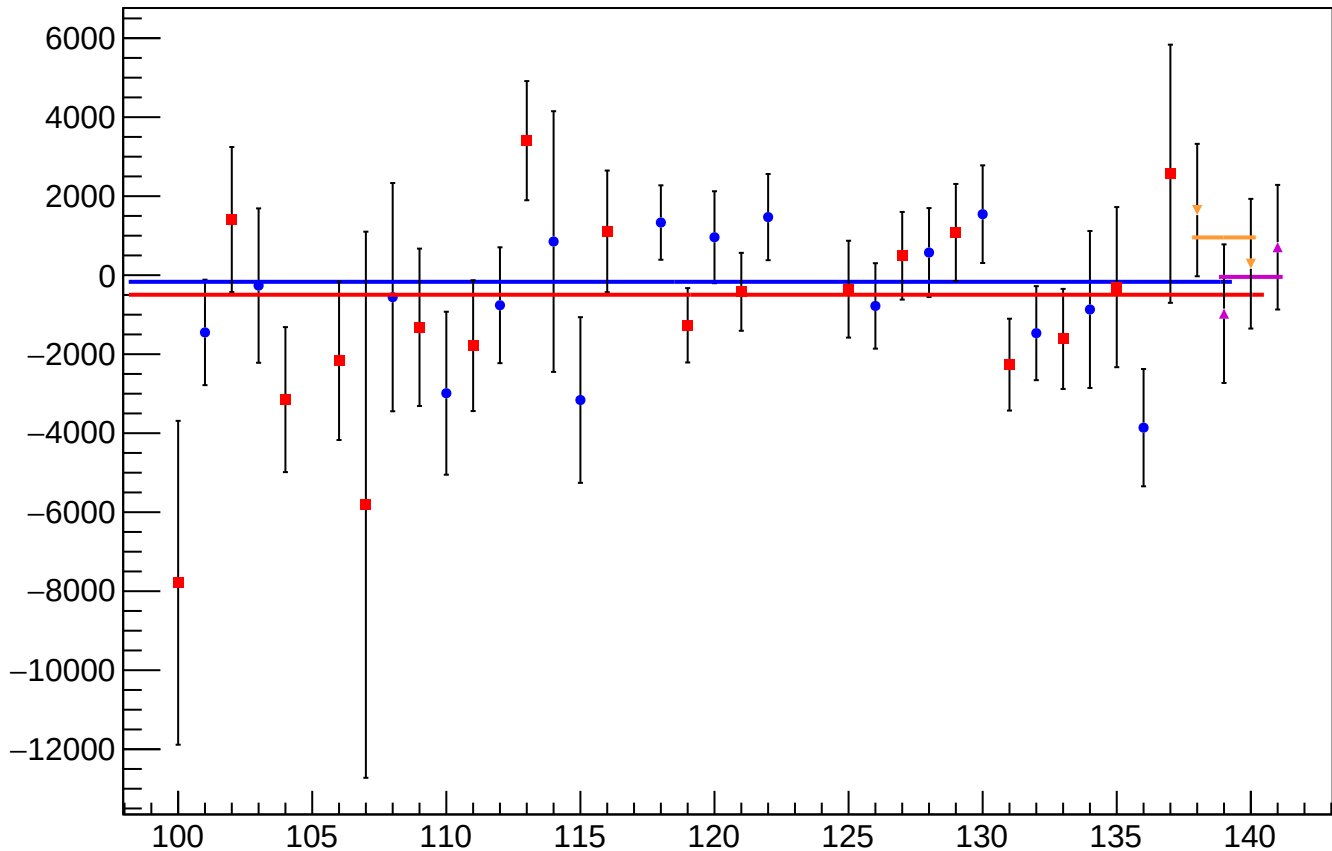
Left In: 1113.359 $\pm$ 0.598 χ^2 /NDF:6.2/1

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

All: 1107.560 $\pm$ 0.185 χ^2 /NDF: 19768.0/37

- sign 1111.116 $\pm$ 0.261 χ^2 /NDF: 7719.5/19

asym_usl_cor_correction_mean vs Slug



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

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

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

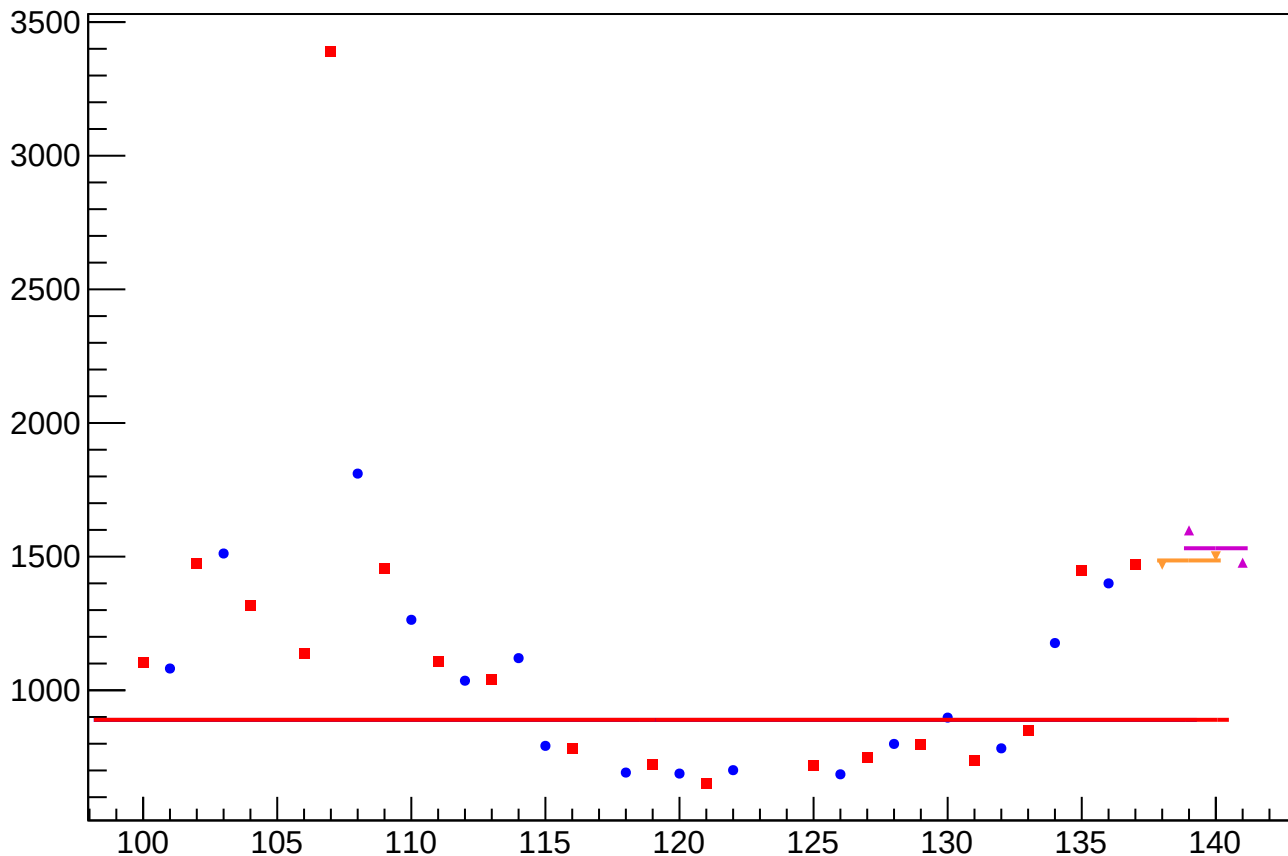
Left In: -43.728 ± 1172.799 χ^2/NDF : 0.5/1

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

All: -268.930 ± 234.191 χ^2/NDF : 46.8/37

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

asym_usl_cor_correction_rms vs Slug



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

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

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

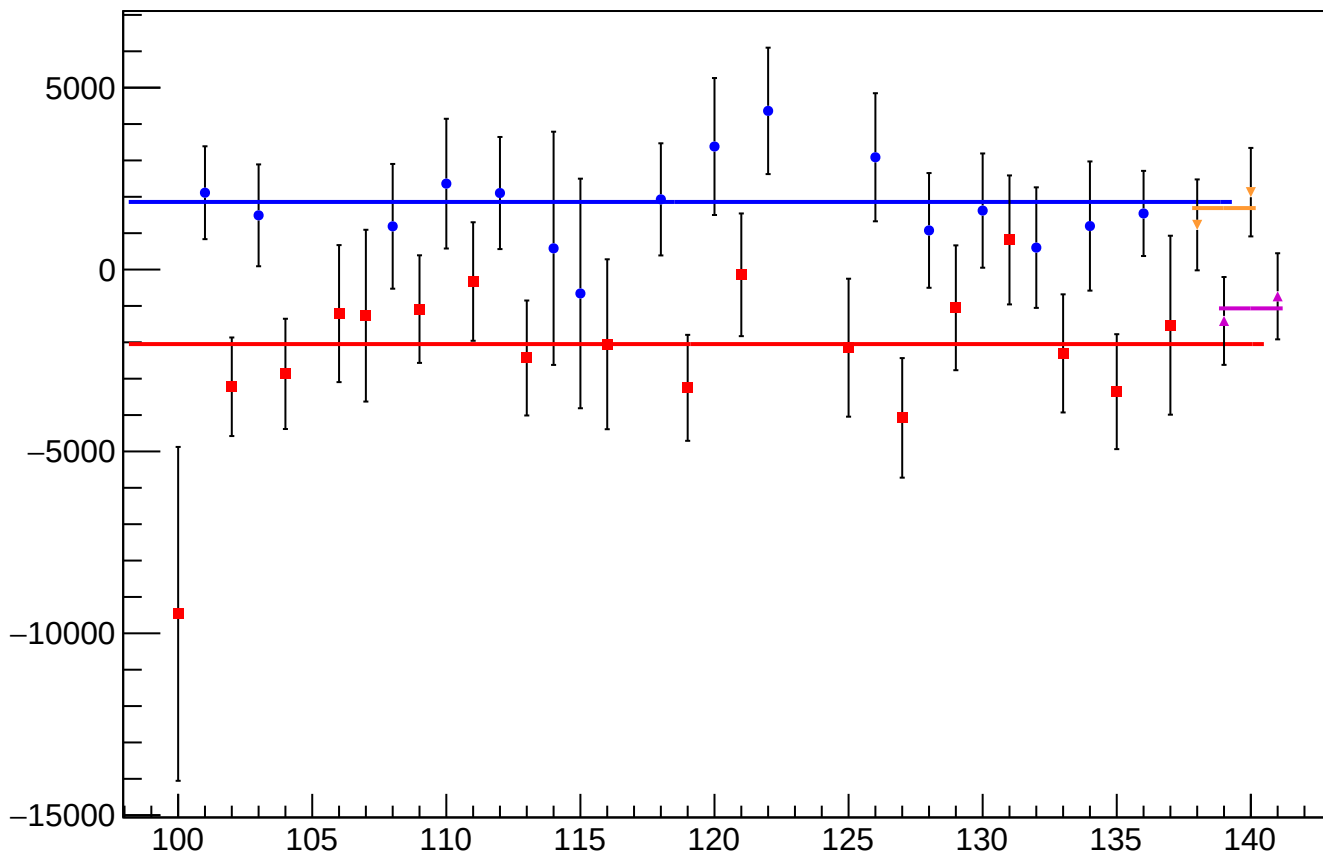
Left In: 1531.365 ± 0.829 χ^2/NDF : 5255.6/1

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

All: 938.605 ± 0.166 χ^2/NDF : 3512097.6/37

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

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

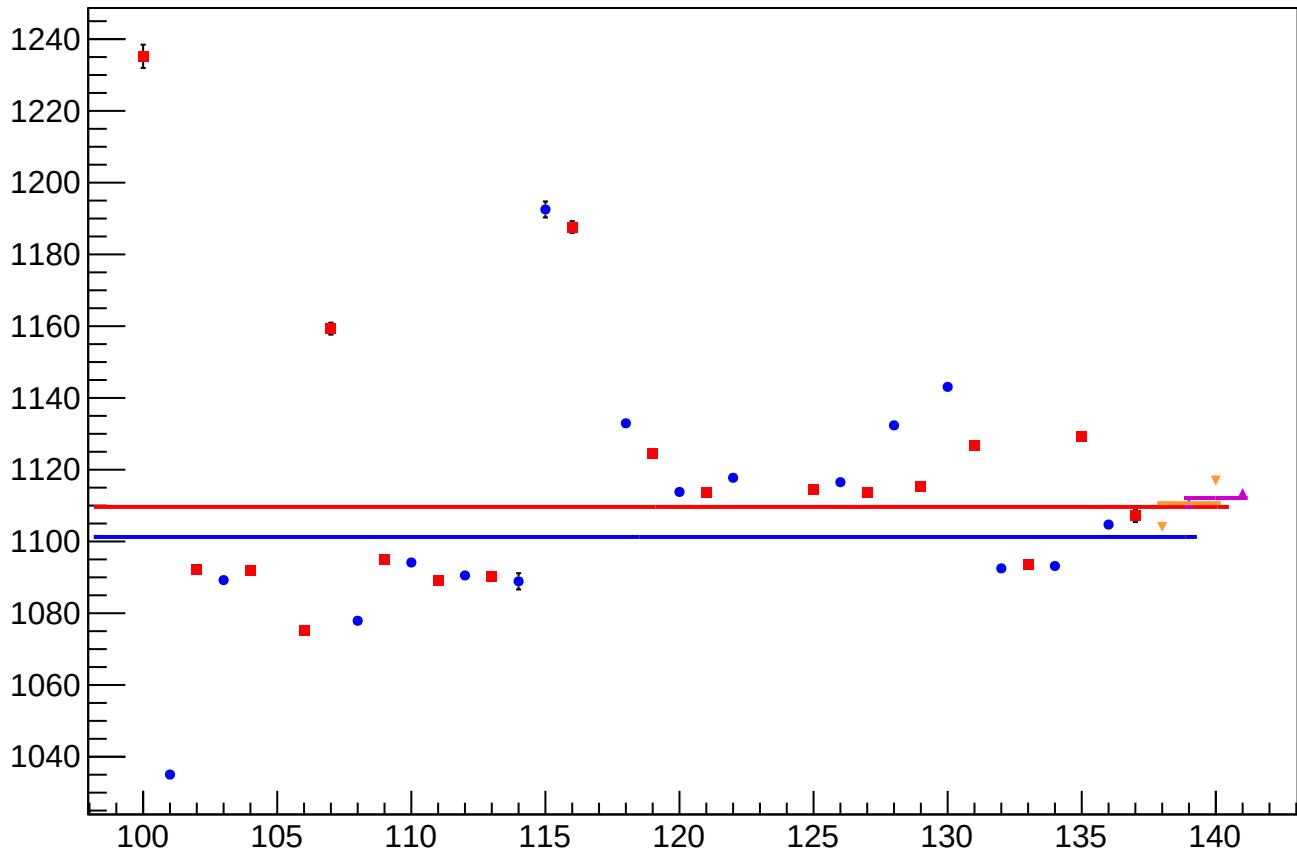
Left In: -1067.131 $\pm$ 845.217 χ^2 /NDF: 0.2/1

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

All: -28.683 $\pm$ 261.087 χ^2 /NDF: 69.7/37

- sign -1862.523 $\pm$ 368.083 χ^2 /NDF: 14.0/19

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1110.689+/-0.616 χ^2/NDF : 109.9/1

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

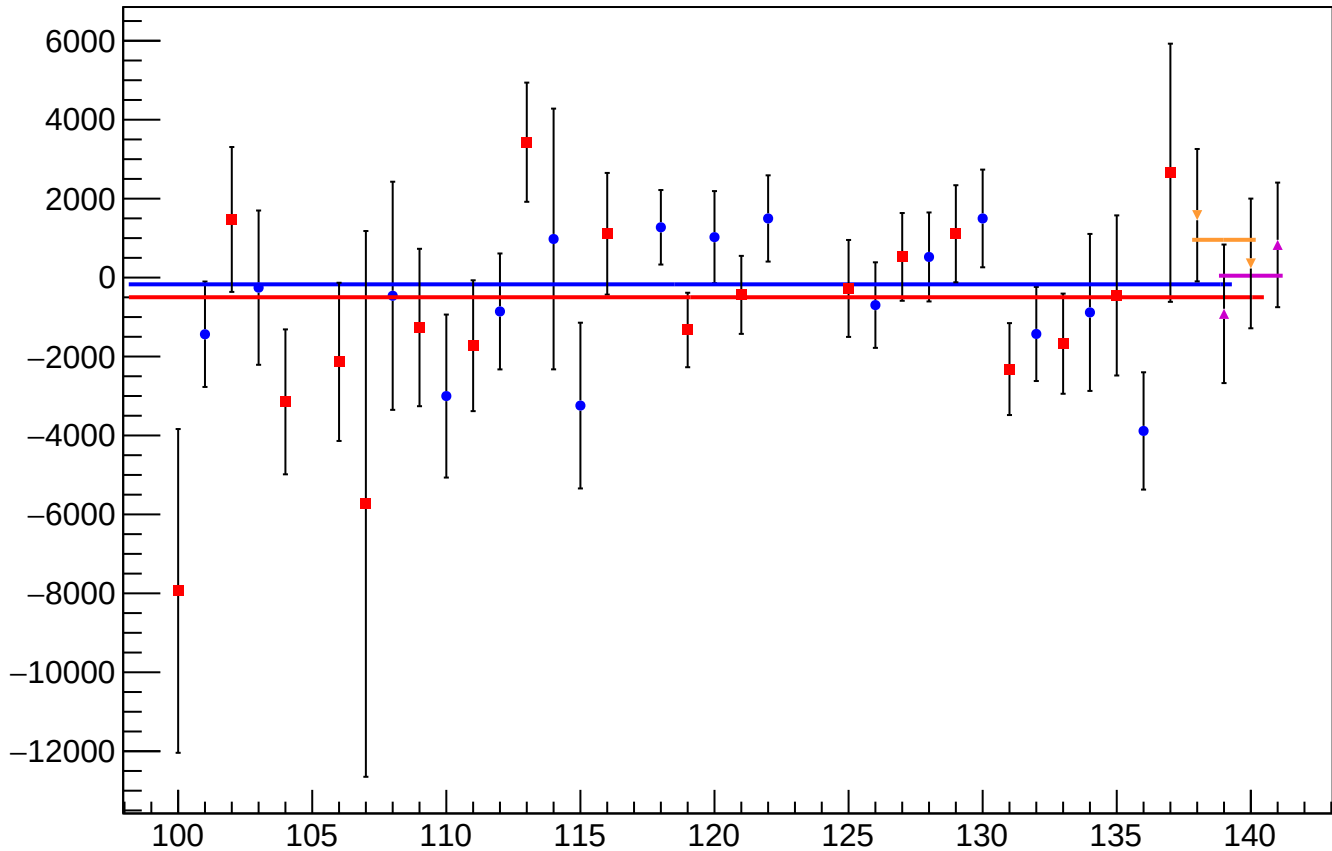
Left In: 1112.109+/-0.598 χ^2/NDF : 5.6/1

+ sign 1102.958+/-0.262 χ^2/NDF : 11610.2/17

All: 1106.551+/-0.185 χ^2/NDF : 19676.8/37

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

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

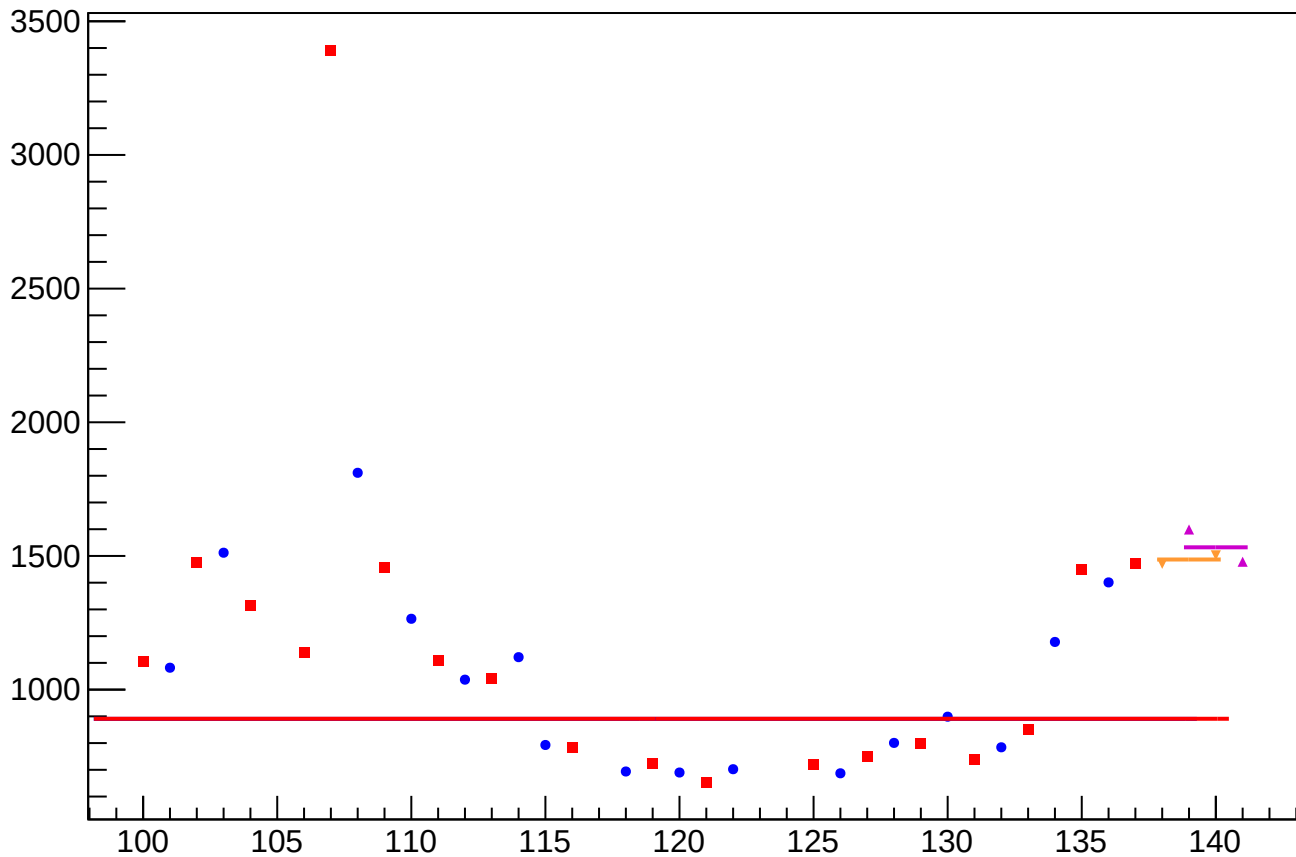
Left In: 47.613 ± 1173.493 χ^2/NDF : 0.5/1

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

All: -267.791 ± 234.530 χ^2/NDF : 47.3/37

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

asym_usl_overload_cor_correction_rms vs Slug



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

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

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

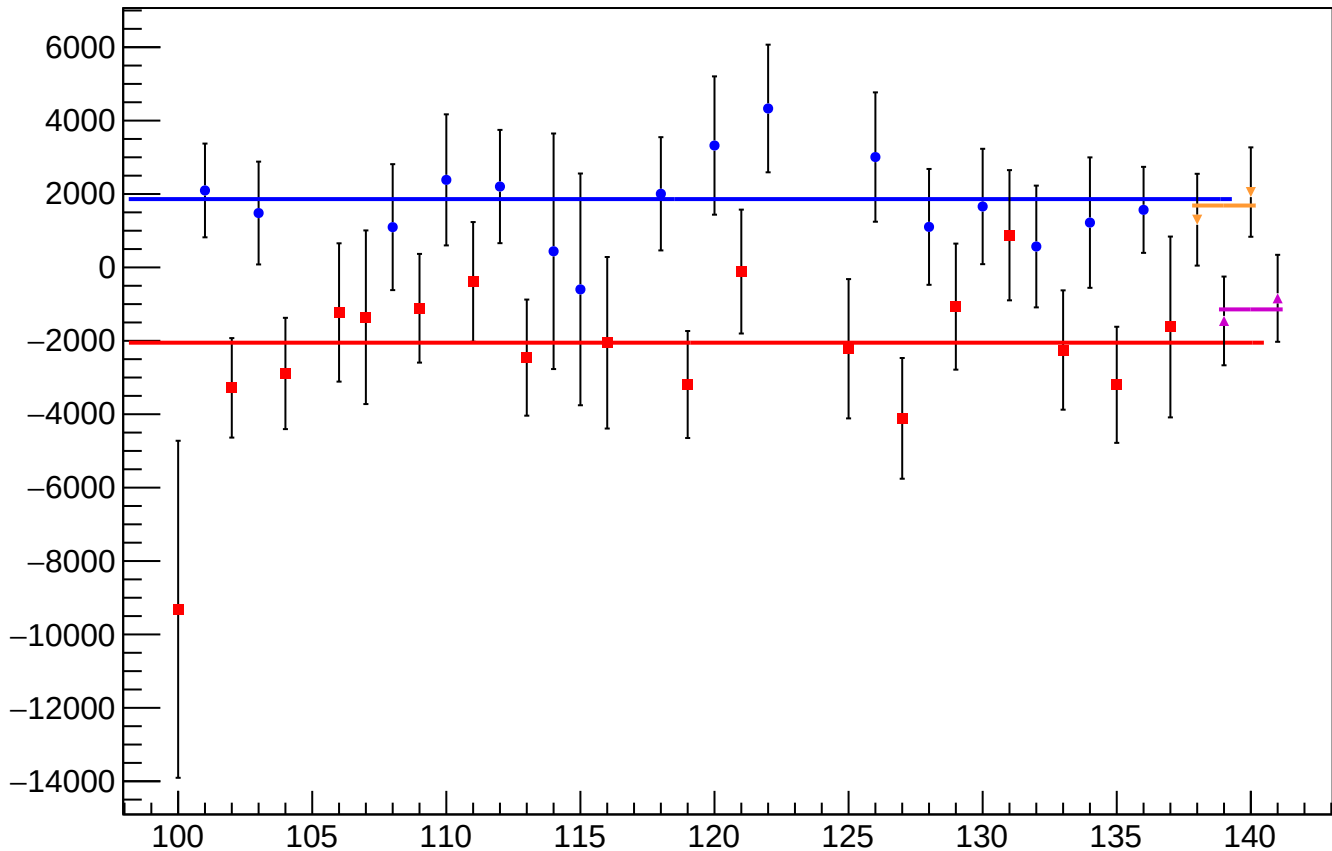
Left In: 1532.289+/-0.830 χ^2/NDF : 5221.3/1

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

All: 940.143+/-0.166 χ^2/NDF : 3500865.9/37

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

eigen_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

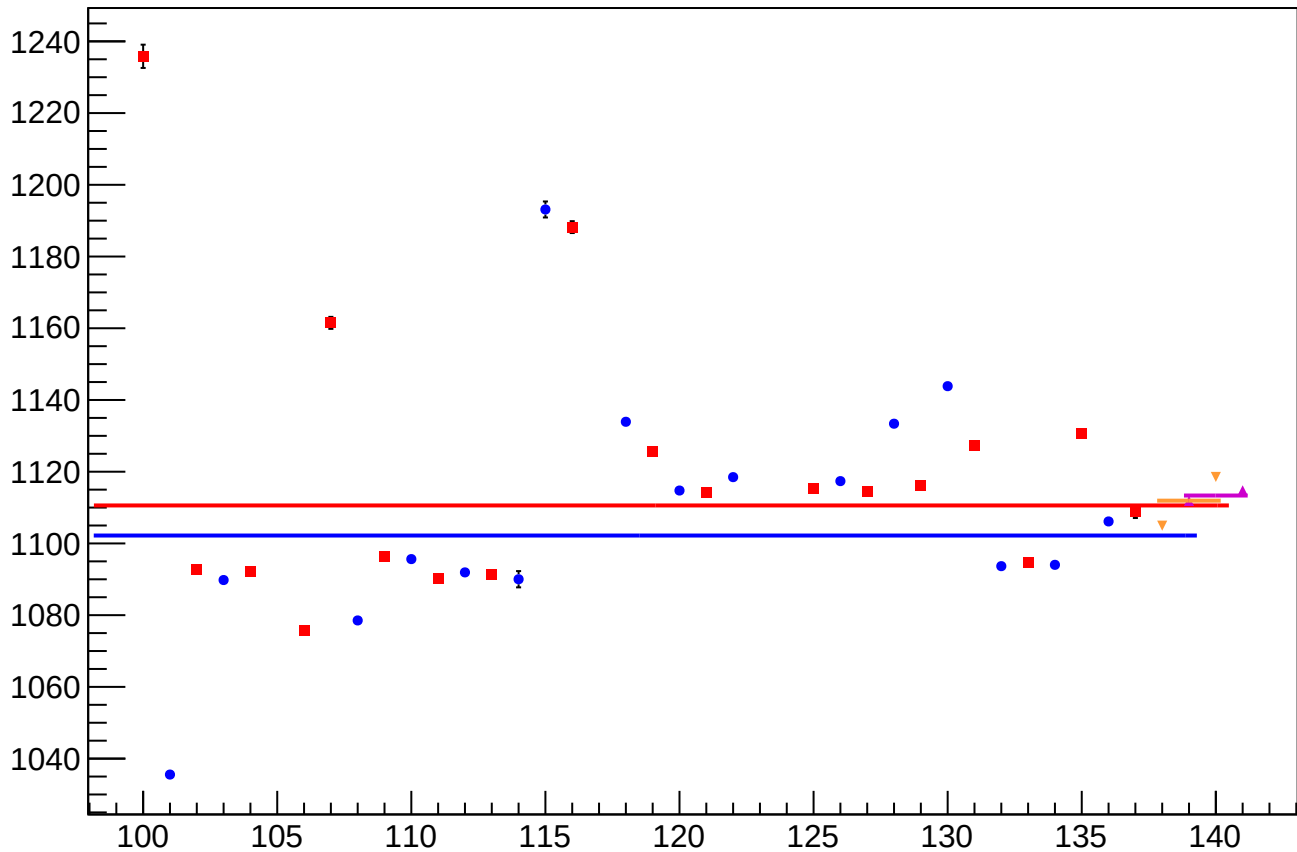
Left In: -1143.738 $\pm$ 846.169 χ^2 /NDF: 0.1/1

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

All: -36.069 $\pm$ 261.326 χ^2 /NDF: 69.5/37

- sign -1878.880 $\pm$ 368.421 χ^2 /NDF: 13.6/19

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

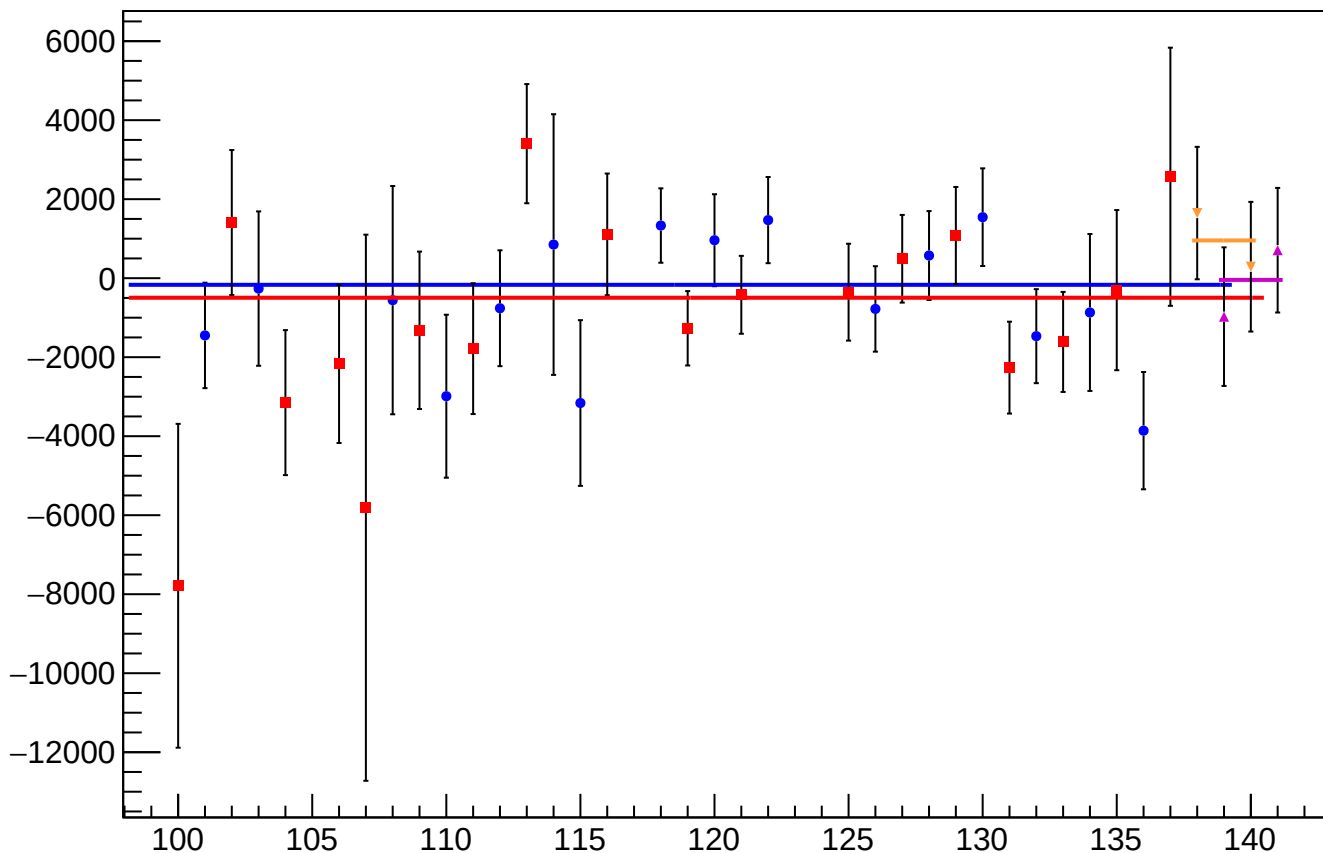
Left In: 1113.359 $\pm$ 0.598 χ^2 /NDF:6.2/1

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

All: 1107.560 $\pm$ 0.185 χ^2 /NDF: 19768.0/37

- sign 1111.116 $\pm$ 0.261 χ^2 /NDF: 7719.5/19

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

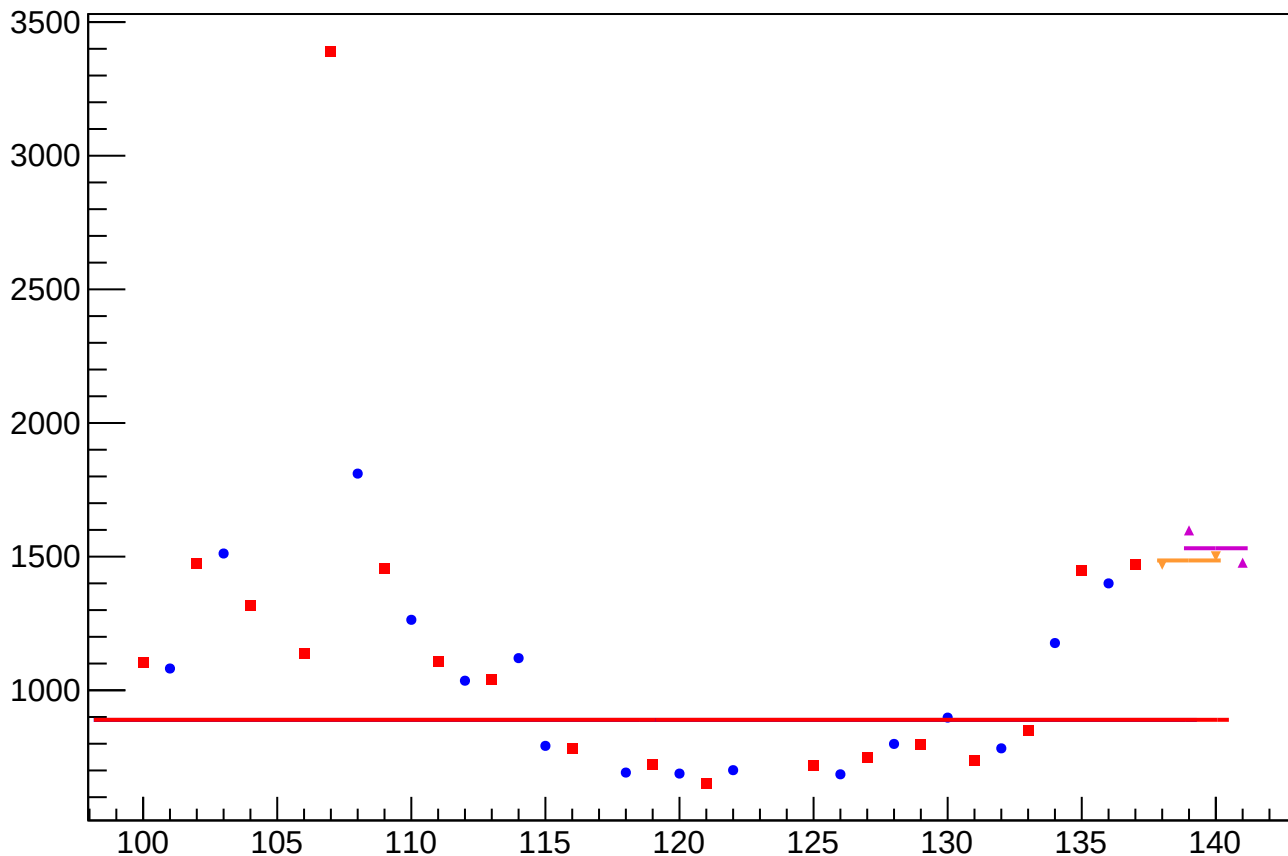
Left In: -43.728 ± 1172.799 χ^2/NDF : 0.5/1

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

All: -268.930 ± 234.191 χ^2/NDF : 46.8/37

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

asym_usl_eigen_cor_correction_rms vs Slug



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

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

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

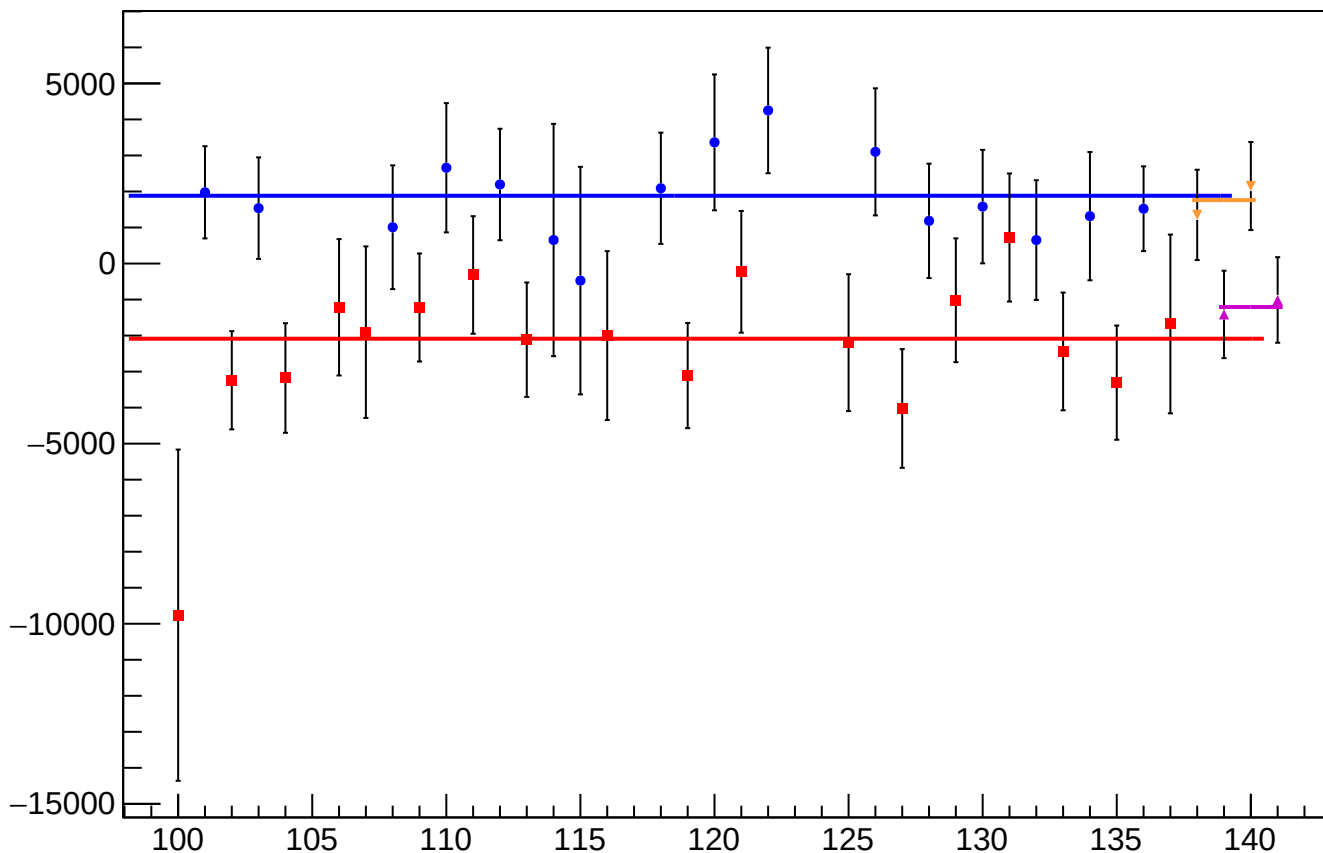
Left In: 1531.365+/-0.829 χ^2/NDF : 5255.6/1

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

All: 938.605+/-0.166 χ^2/NDF : 3512097.6/37

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

dit_asym_usl_mean vs Slug



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

Left Out: 1760.924 ± 875.195 χ^2/NDF : 0.2/1

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

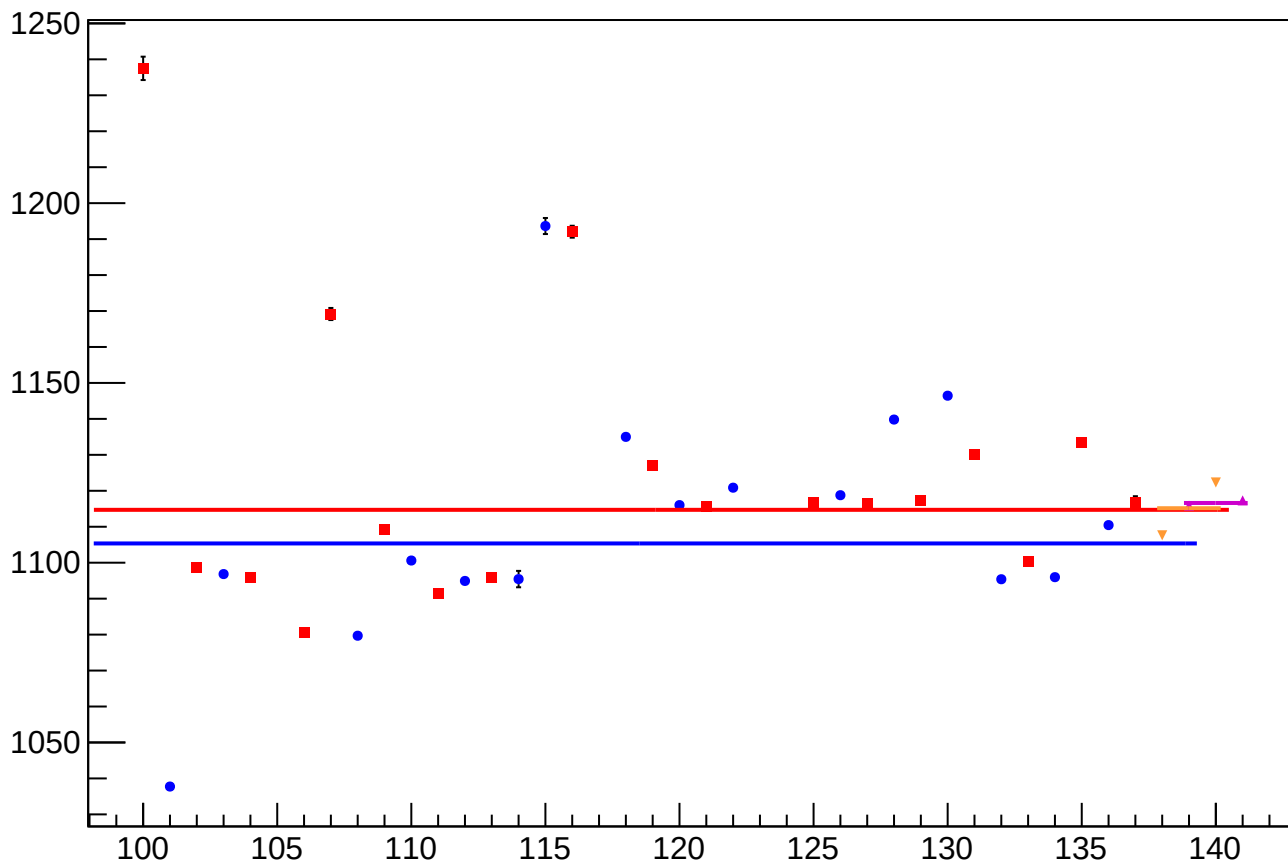
Left In: -1207.573 ± 848.745 χ^2/NDF : 0.1/1

+ sign 1859.759 ± 371.798 χ^2/NDF : 5.4/17

All: -40.538 ± 262.176 χ^2/NDF : 70.7/37

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

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

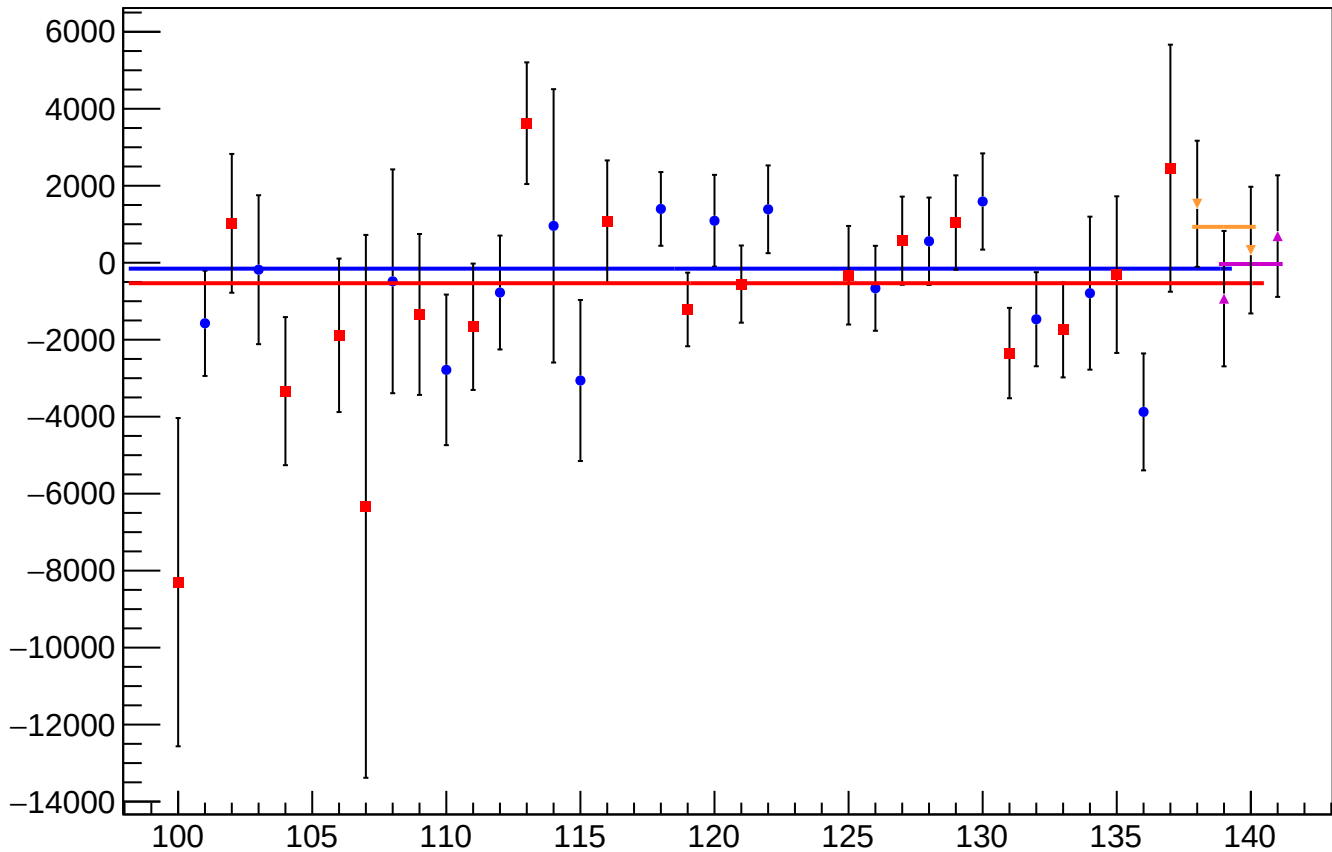
Left In: 1116.611 $\pm$ 0.600 χ^2 /NDF:1.5/1

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

All: 1111.117 $\pm$ 0.185 χ^2 /NDF: 19476.2/37

- sign 1115.067 $\pm$ 0.261 χ^2 /NDF: 7340.0/19

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

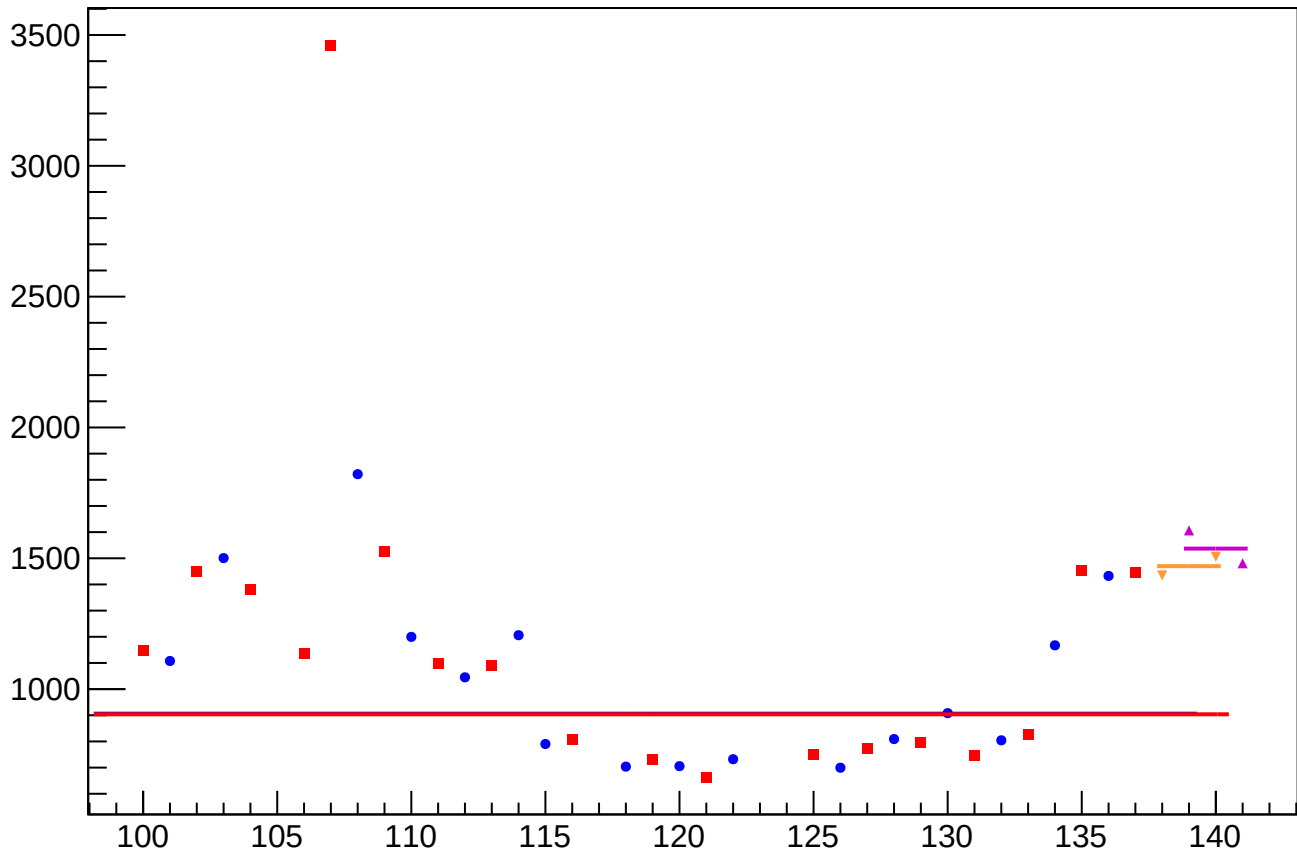
Left In: -33.574 ± 1175.291 χ^2/NDF : 0.5/1

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

All: -277.493 ± 237.612 χ^2/NDF : 46.2/37

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

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

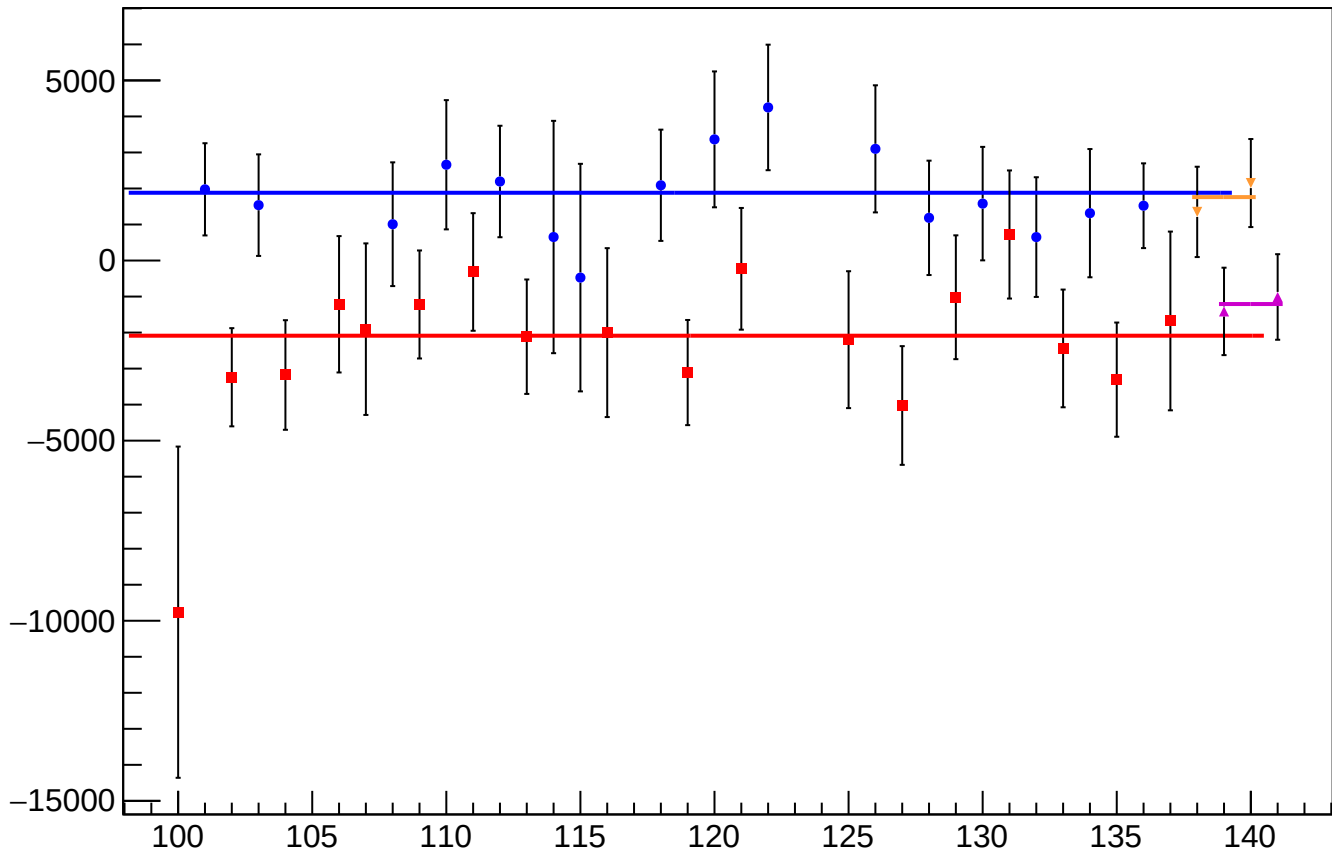
Left In: 1537.080 $\pm$ 0.831 χ^2 /NDF:5644.9/1

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

All: 954.385 $\pm$ 0.168 χ^2 /NDF: 3392325.3/37

- sign 955.454 $\pm$ 0.237 χ^2 /NDF: 1878974.8/19

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

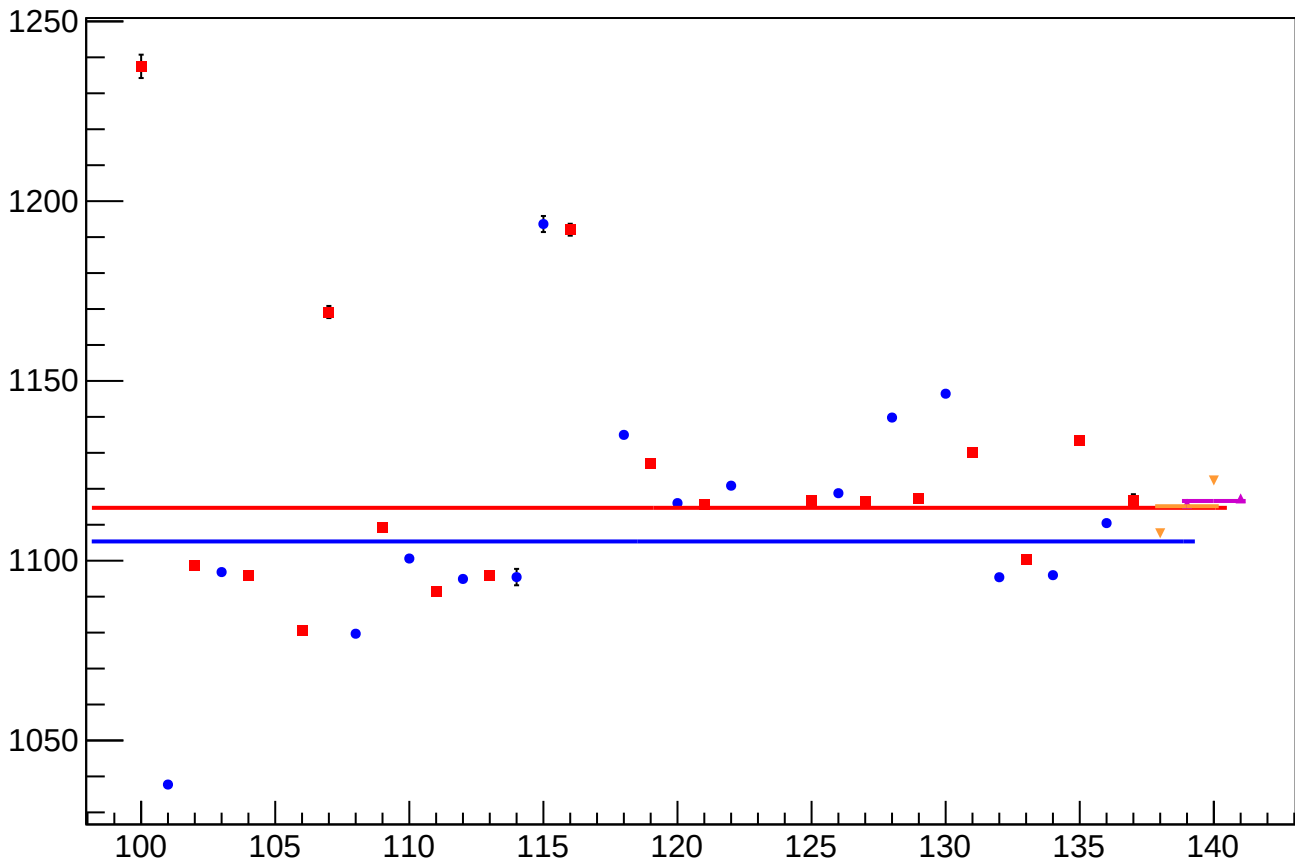
Left In: -1207.576 $\pm$ 848.745 χ^2/NDF : 0.1/1

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

All: -40.537 $\pm$ 262.176 χ^2/NDF : 70.7/37

- sign -1920.000 $\pm$ 369.755 χ^2/NDF : 13.3/19

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

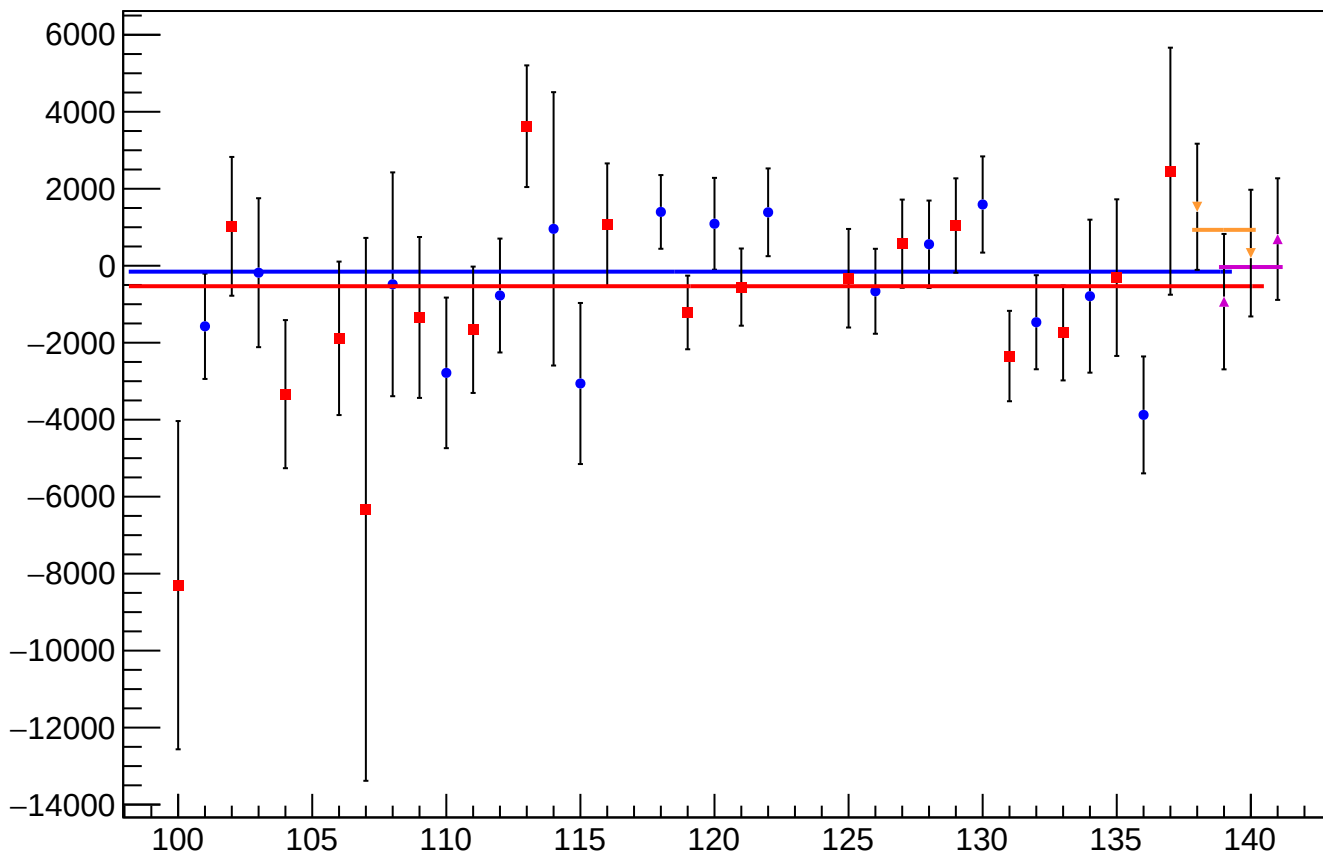
Left In: 1116.611 $\pm$ 0.600 χ^2 /NDF:1.5/1

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

All: 1111.117 $\pm$ 0.185 χ^2 /NDF: 19476.1/37

- sign 1115.067 $\pm$ 0.261 χ^2 /NDF: 7339.9/19

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

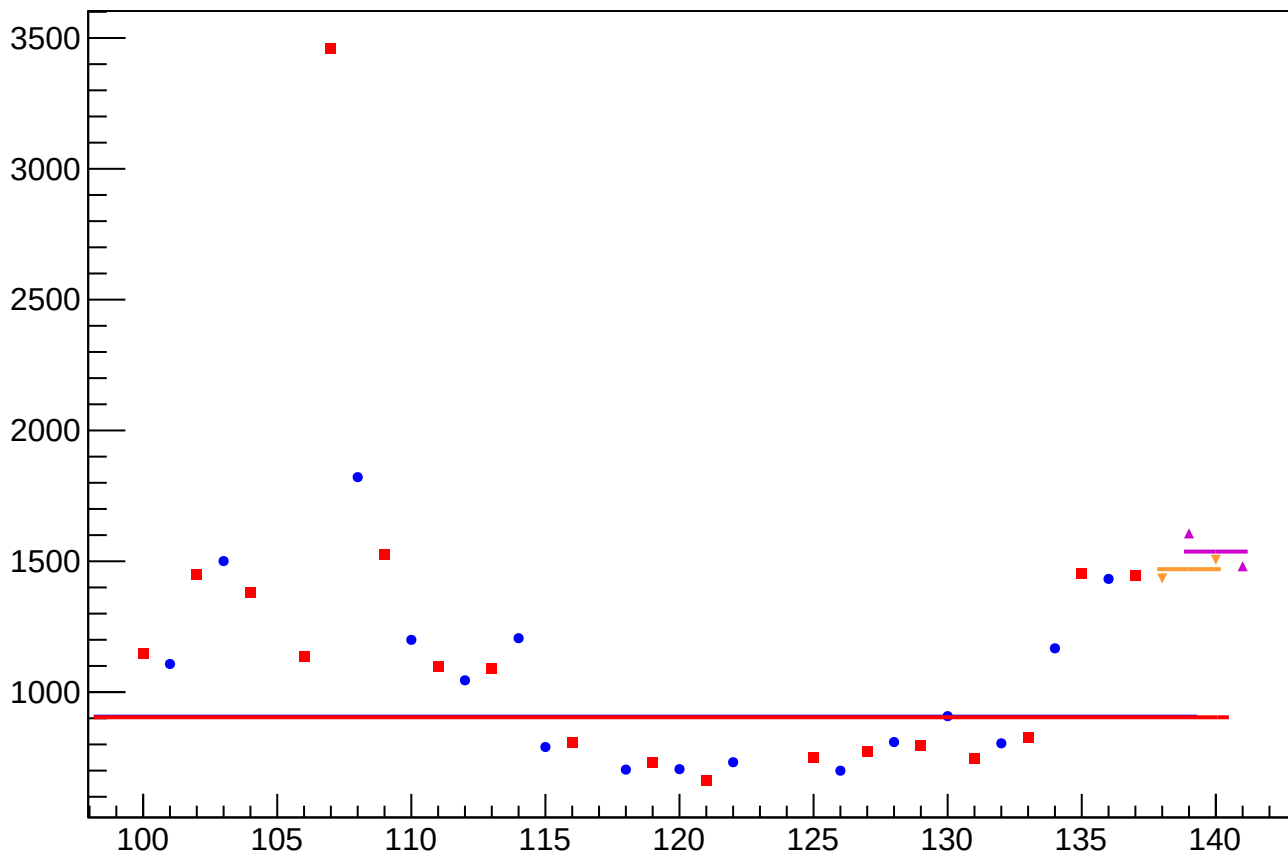
Left In: -33.577 ± 1175.293 χ^2/NDF : 0.5/1

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

All: -277.493 ± 237.611 χ^2/NDF : 46.2/37

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034 $\pm$ 0.248 χ^2 /NDF: 1079440.1/15

Left Out: 1469.910 $\pm$ 0.821 χ^2 /NDF:1893.0/1

Right Out: 903.751 $\pm$ 0.248 χ^2 /NDF: 1339985.4/17

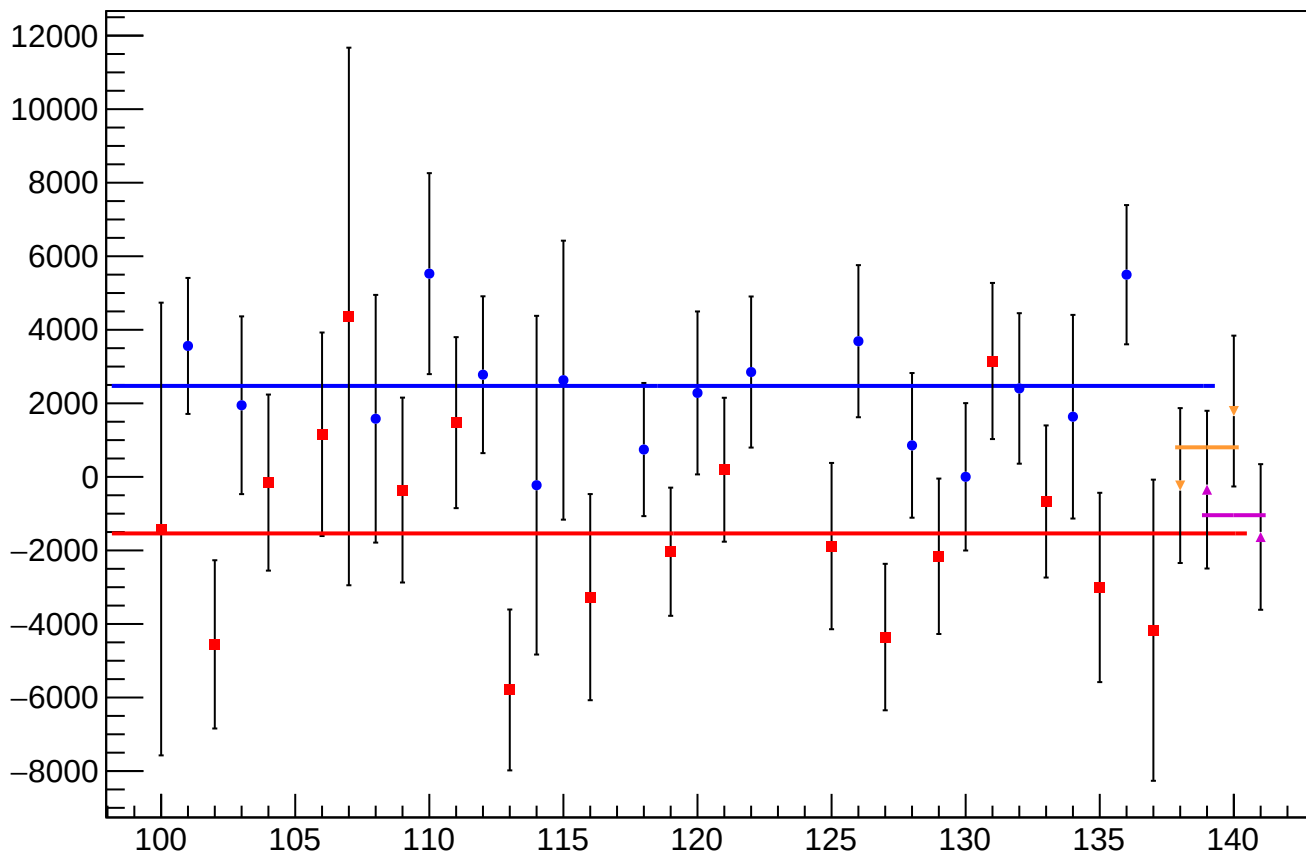
Left In: 1537.082 $\pm$ 0.831 χ^2 /NDF:5645.0/1

+ sign 953.311 $\pm$ 0.238 χ^2 /NDF: 1513319.9/17

All: 954.383 $\pm$ 0.168 χ^2 /NDF: 3392344.4/37

- sign 955.452 $\pm$ 0.237 χ^2 /NDF: 1878983.9/19

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

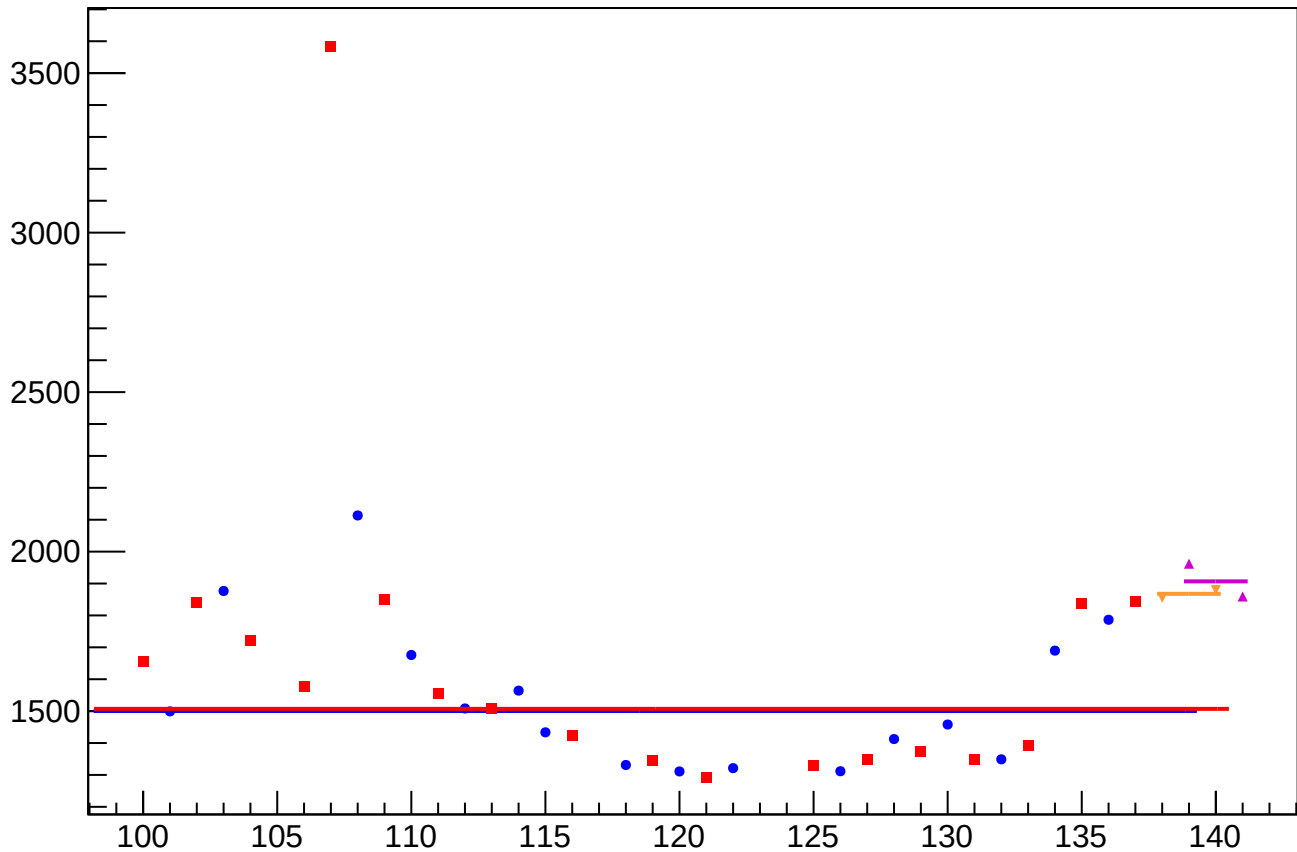
Left In: -1041.686 $\pm$ 1454.860 χ^2 /NDF:0.2/1

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

All: 393.628 $\pm$ 371.611 χ^2 /NDF: 53.9/37

- sign -1472.754 $\pm$ 525.508 χ^2 /NDF: 18.8/19

asym_usl_rms vs Slug



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

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

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

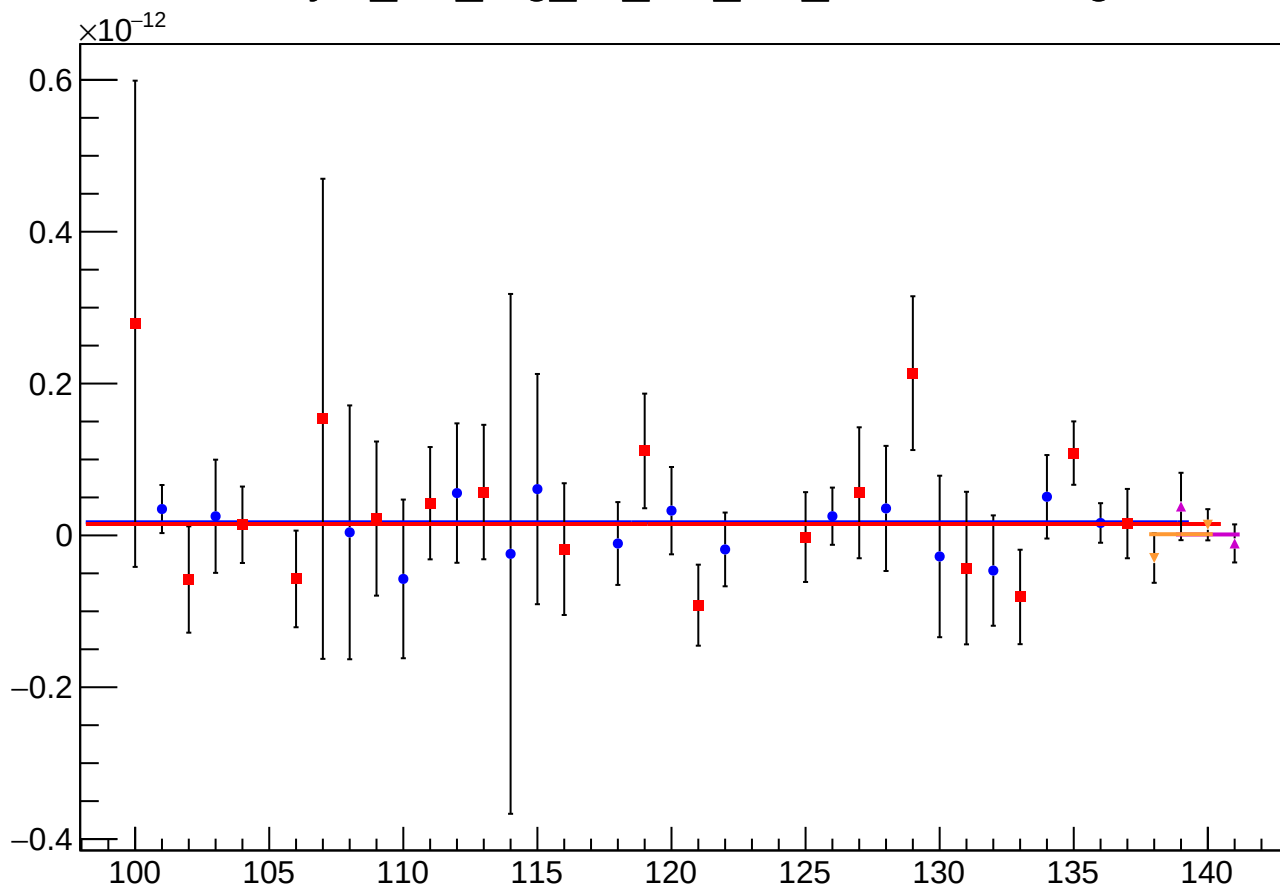
Left In: 1906.768+/-1.029 χ^2/NDF :2479.8/1

+ sign 1547.371+/-0.372 χ^2/NDF : 367939.5/17

All: 1553.308+/-0.263 χ^2/NDF : 903399.7/37

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

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/17

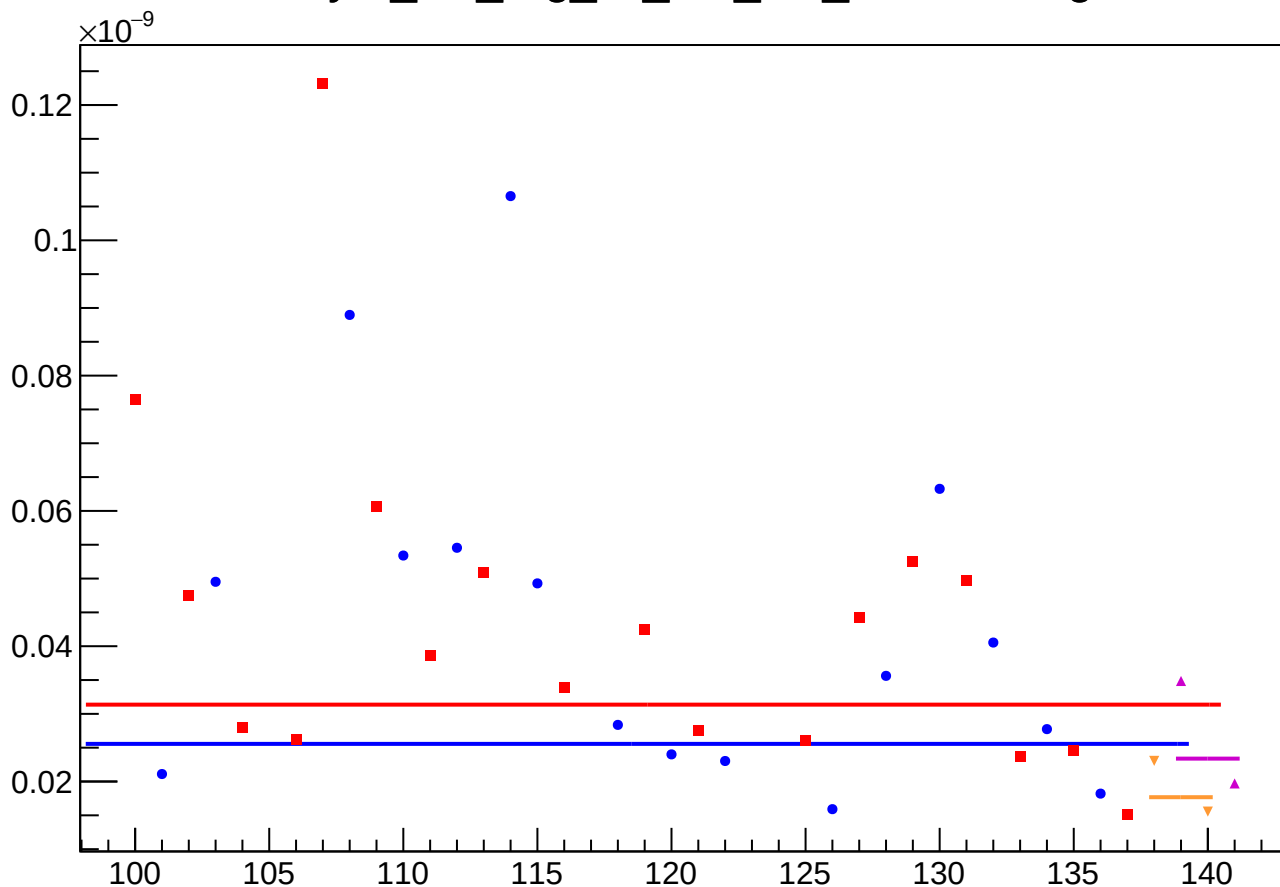
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.5/19

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

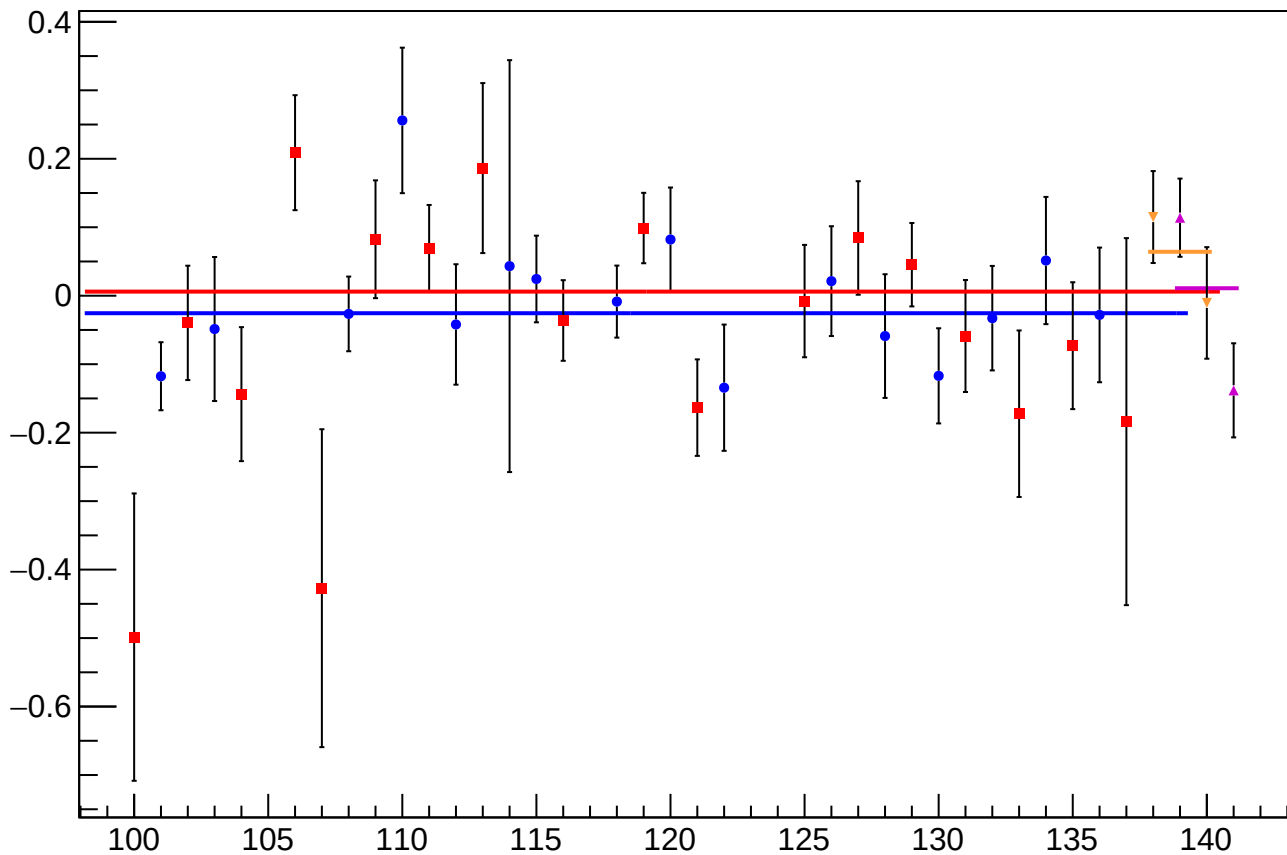
Left In: 0.000+/-0.000 χ^2/NDF : 176686.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 2039574.4/17

All: 0.000+/-0.000 χ^2/NDF : 3869698.6/37

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

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.064 ± 0.052 χ^2/NDF : 1.4/1

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

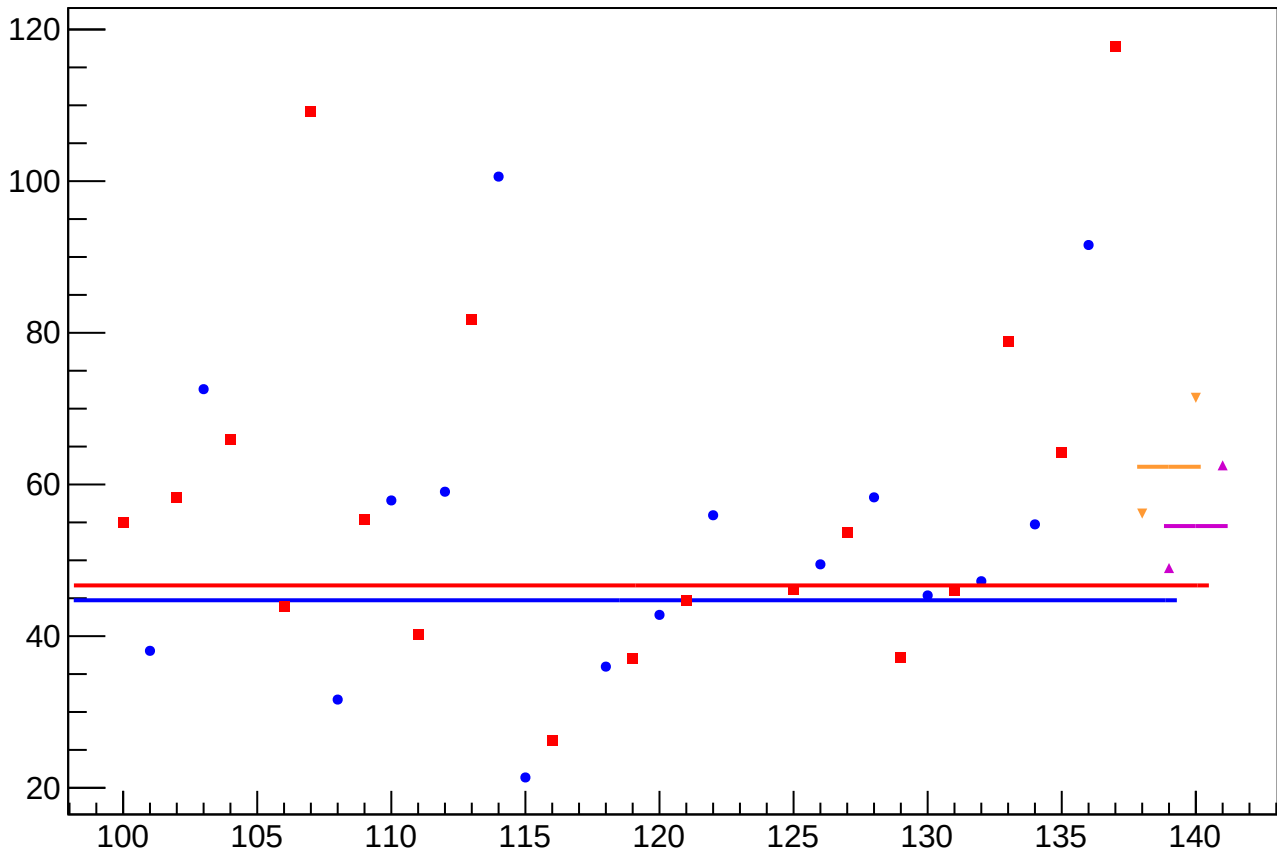
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: -0.004 ± 0.013 χ^2/NDF : 67.0/37

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.338+/-0.037 χ^2/NDF : 41835.4/1

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

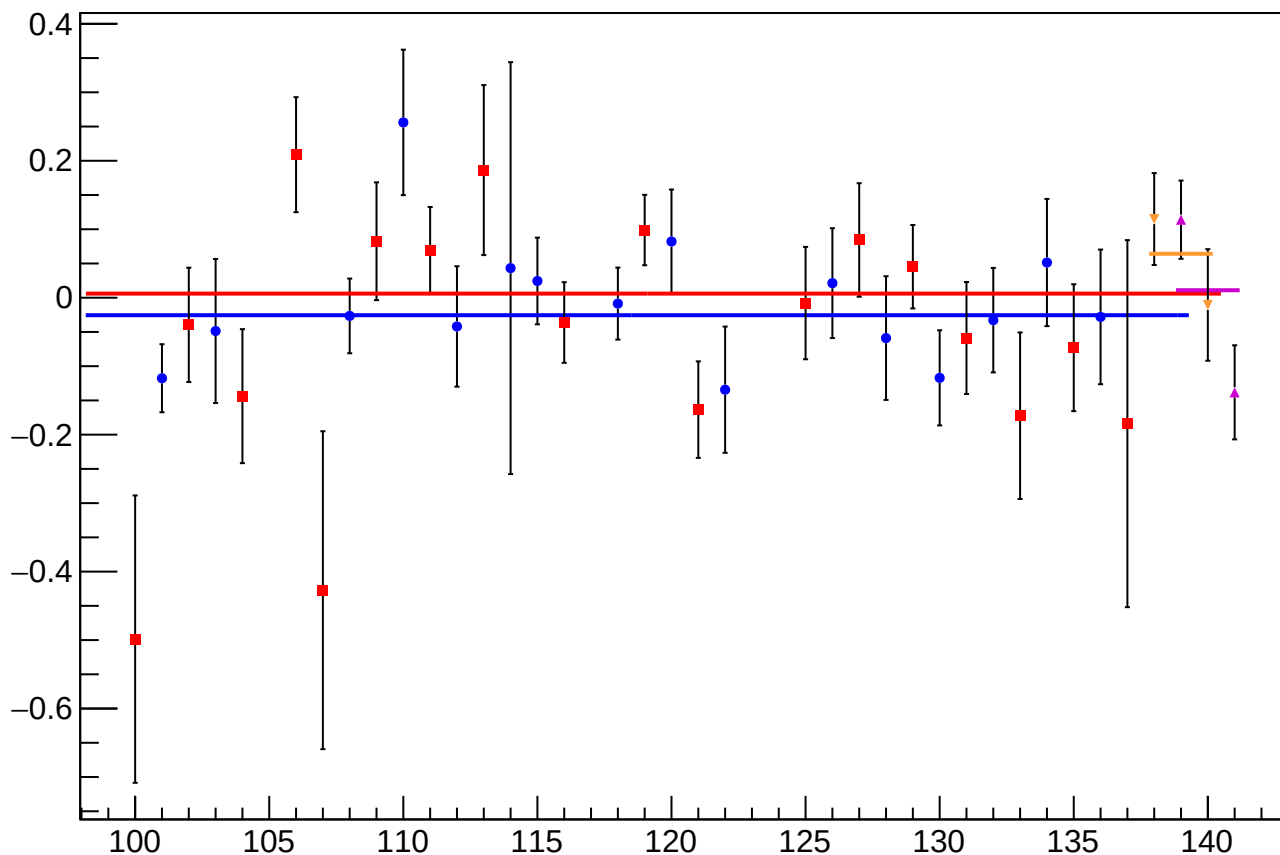
Left In: 54.518+/-0.031 χ^2/NDF : 45944.2/1

+ sign 46.775+/-0.012 χ^2/NDF : 1580491.9/17

All: 47.368+/-0.009 χ^2/NDF : 2879597.8/37

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

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.064 ± 0.052 χ^2/NDF : 1.4/1

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

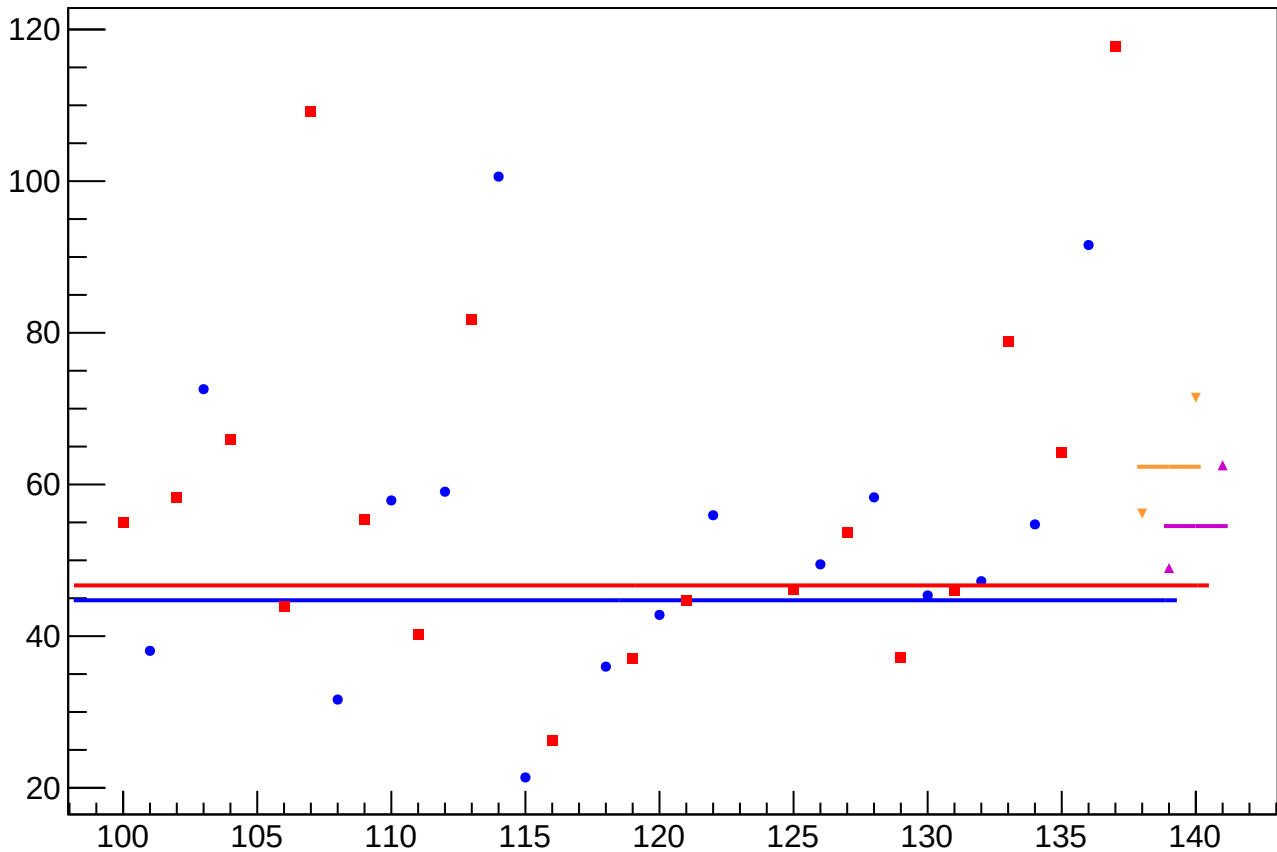
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: -0.004 ± 0.013 χ^2/NDF : 67.0/37

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 62.338+/-0.037 χ^2/NDF : 41835.4/1

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

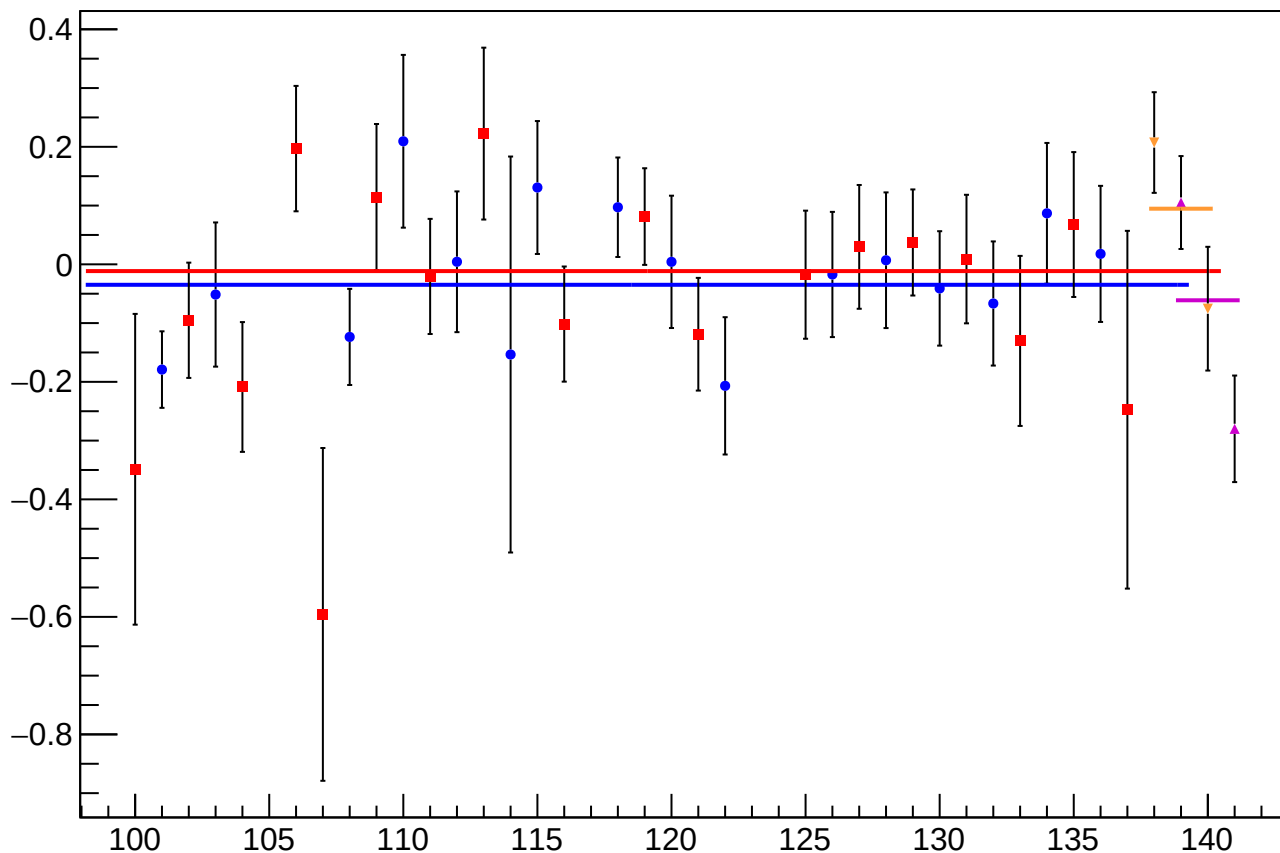
Left In: 54.518+/-0.031 χ^2/NDF : 45944.2/1

+ sign 46.775+/-0.012 χ^2/NDF : 1580491.9/17

All: 47.368+/-0.009 χ^2/NDF : 2879597.8/37

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

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

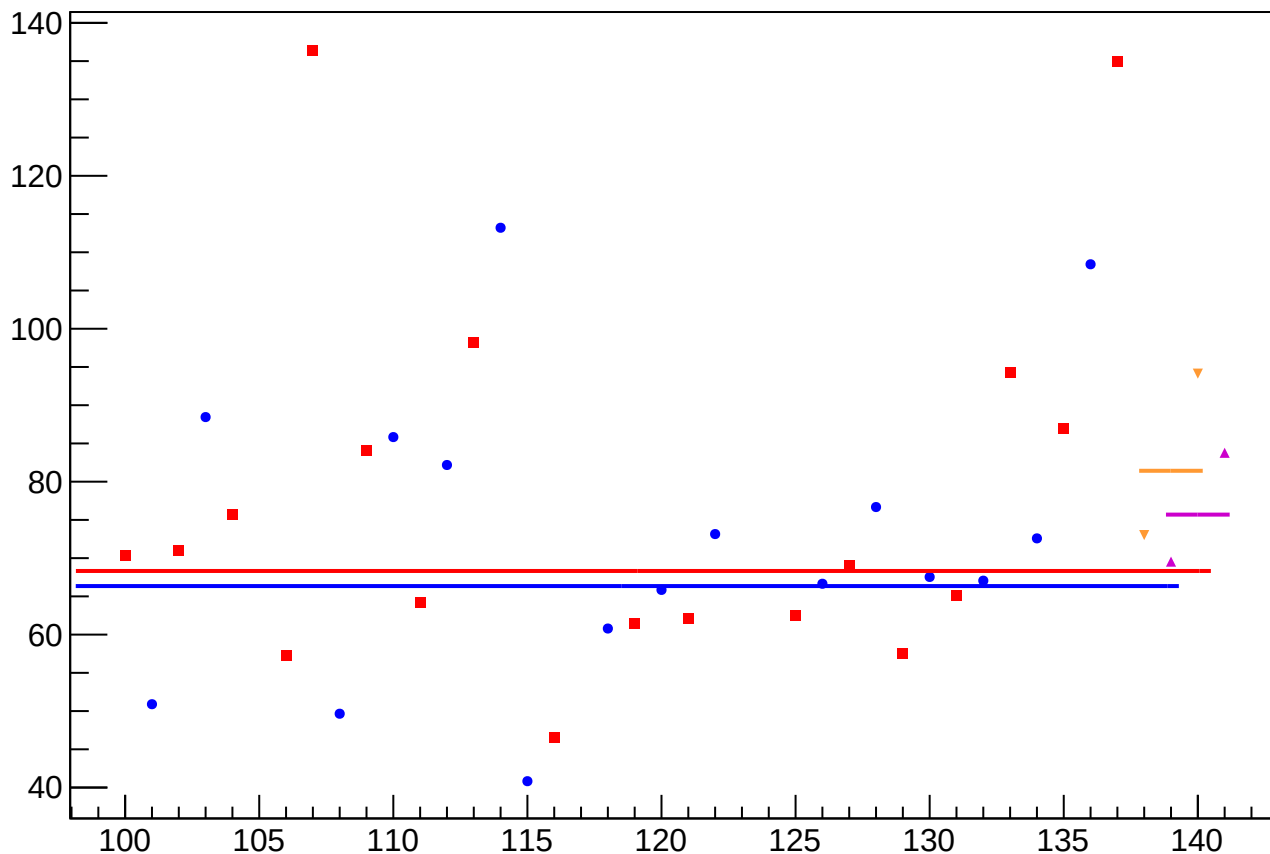
Left In: -0.061 ± 0.060 χ^2/NDF : 10.2/1

+ sign -0.017 ± 0.024 χ^2/NDF : 25.1/17

All: -0.019 ± 0.017 χ^2/NDF : 58.7/37

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

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348 $\pm$ 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

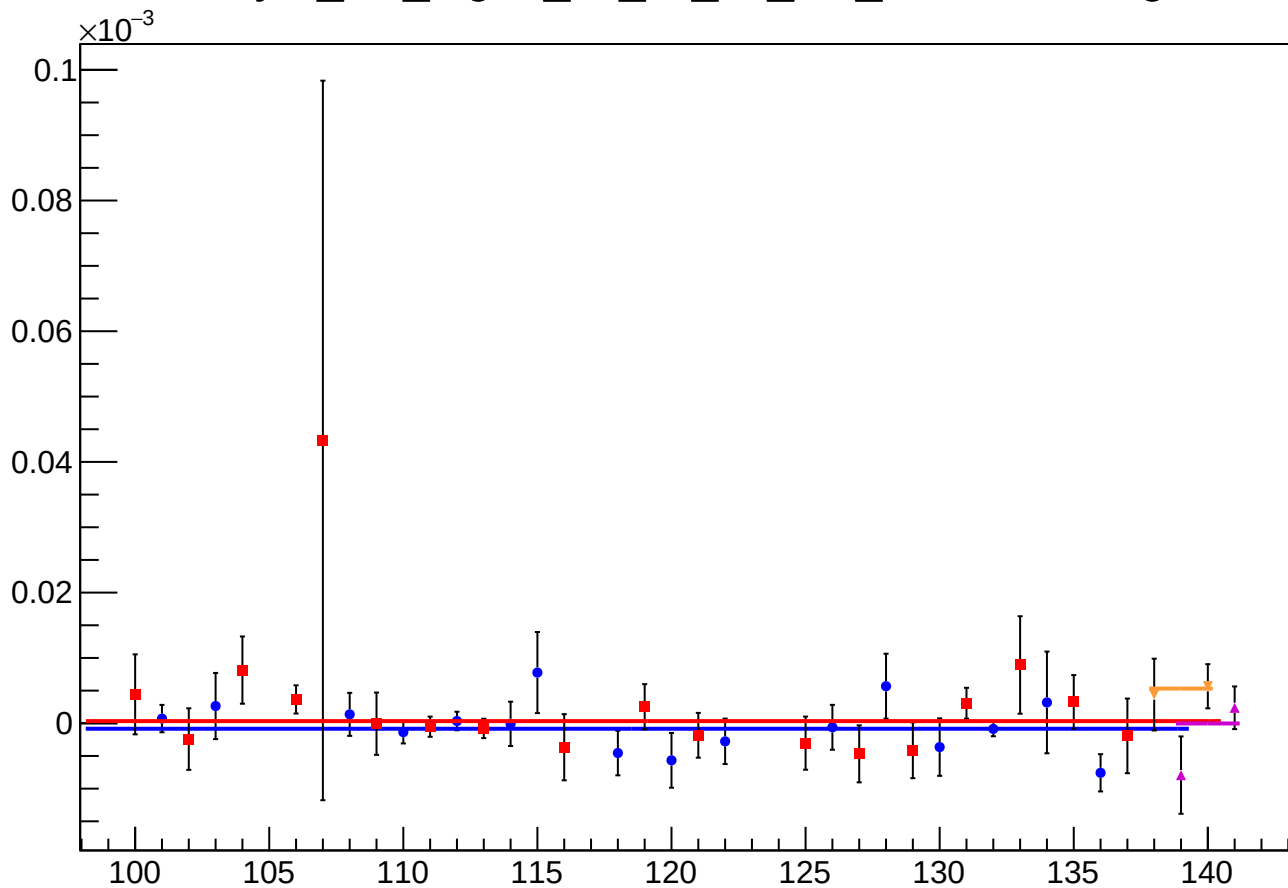
Left In: 75.693 $\pm$ 0.042 χ^2 /NDF: 27997.6/1

+ sign 68.387 $\pm$ 0.017 χ^2 /NDF: 910069.0/17

All: 68.976 $\pm$ 0.012 χ^2 /NDF: 1595490.2/37

- sign 69.570 $\pm$ 0.017 χ^2 /NDF: 683084.7/19

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.0/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.8/17

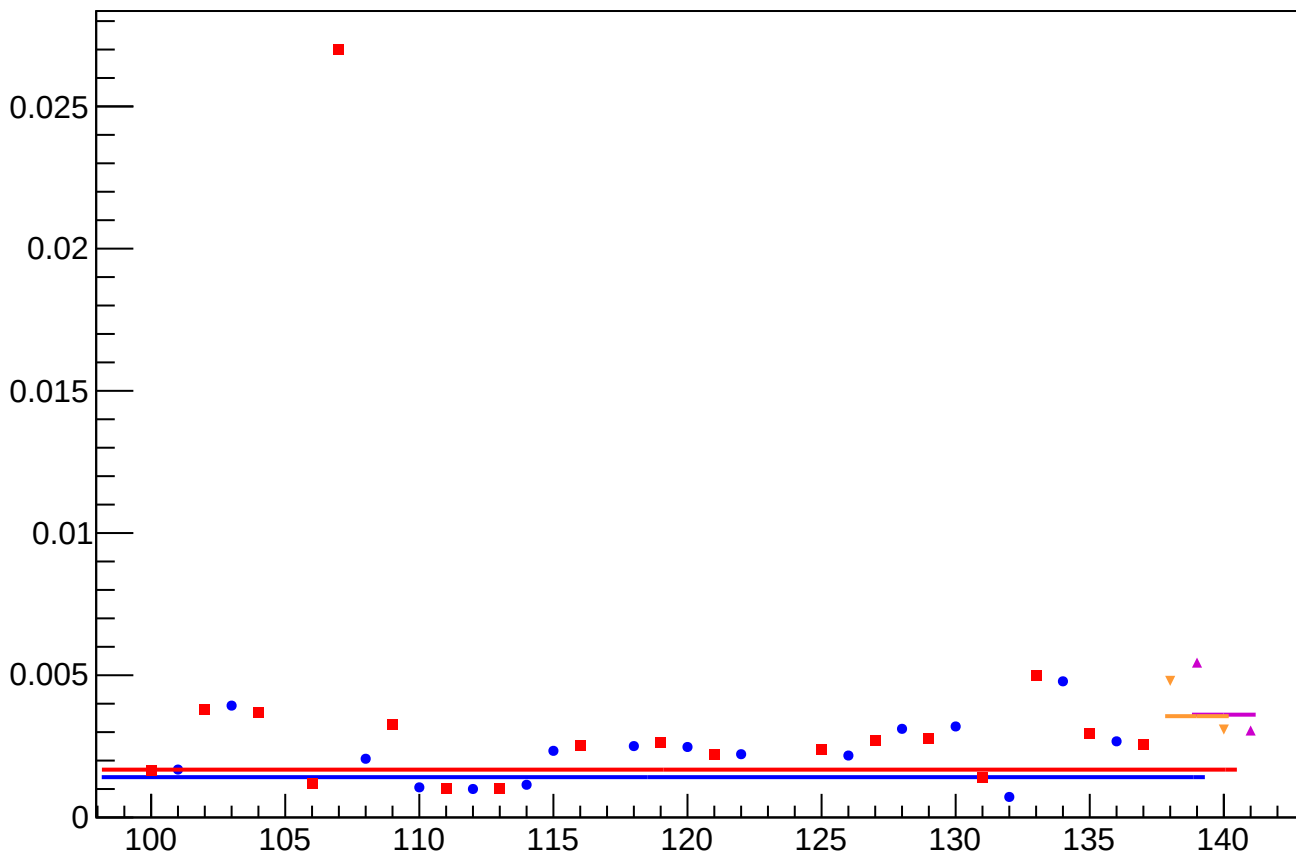
Left In: -0.000 ± 0.000 χ^2/NDF : 2.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.4/17

All: -0.000 ± 0.000 χ^2/NDF : 37.5/37

- sign 0.000 ± 0.000 χ^2/NDF : 17.1/19

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF : 140857.2/1

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

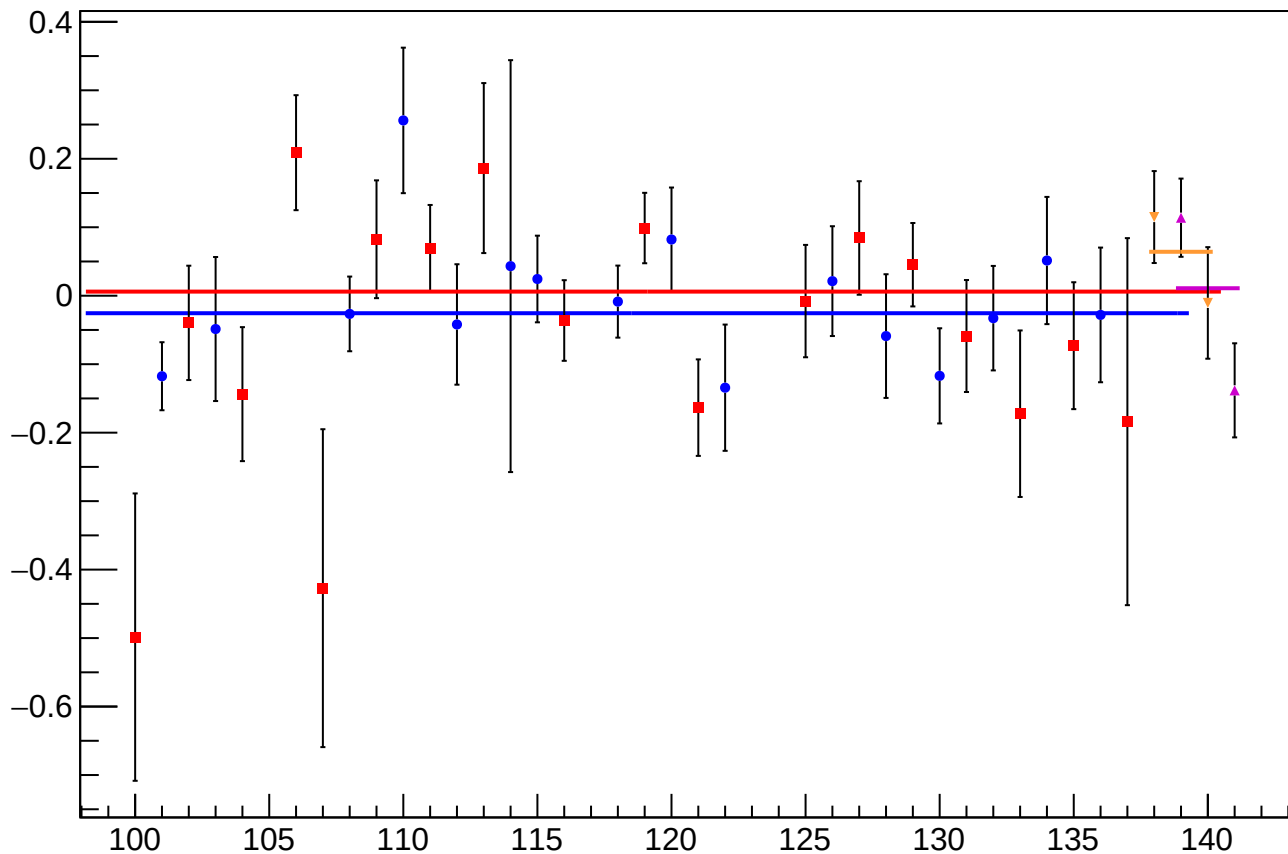
Left In: 0.004+/-0.000 χ^2/NDF : 249436.1/1

+ sign 0.002+/-0.000 χ^2/NDF : 4748413.3/17

All: 0.002+/-0.000 χ^2/NDF : 9476472.5/37

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

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.064 ± 0.052 χ^2/NDF : 1.4/1

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

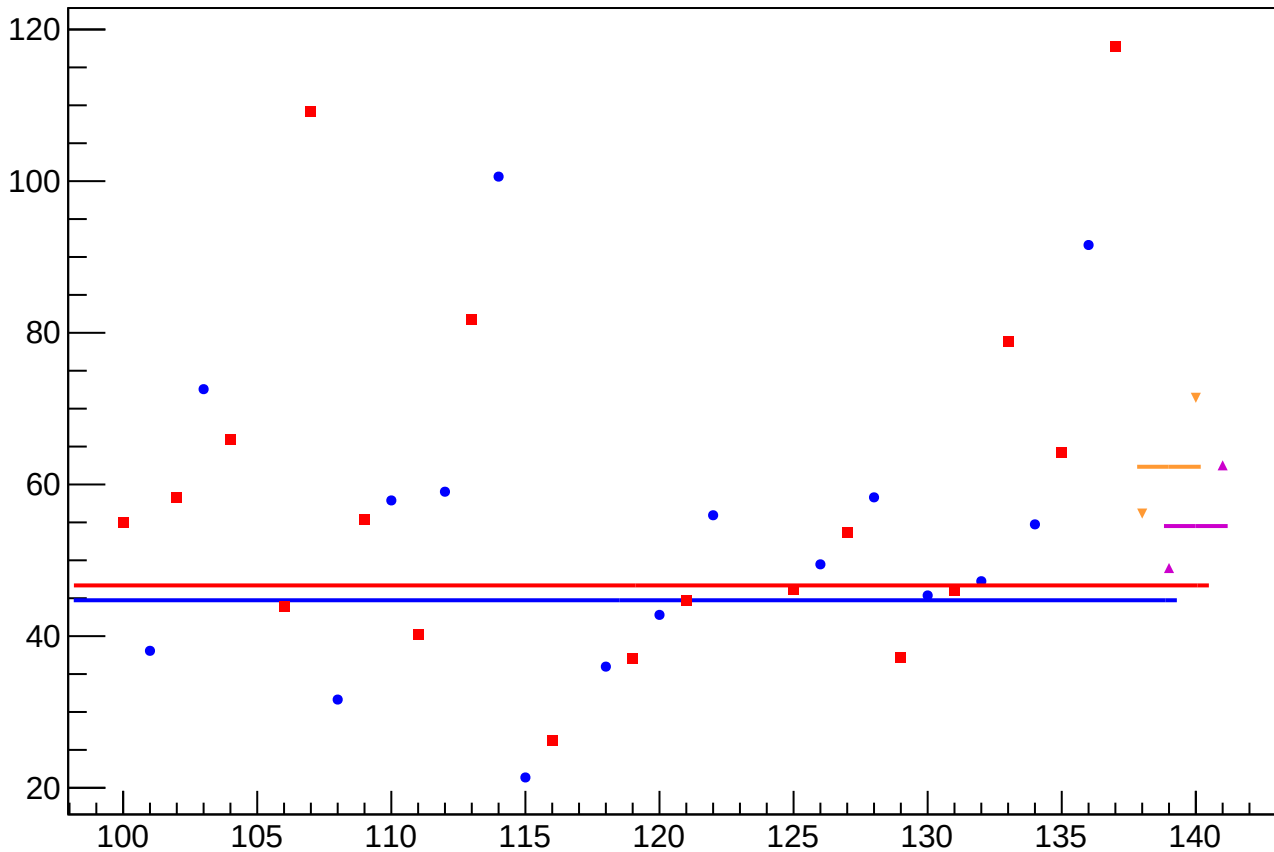
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: -0.004 ± 0.013 χ^2/NDF : 67.0/37

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732 $\pm$ 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

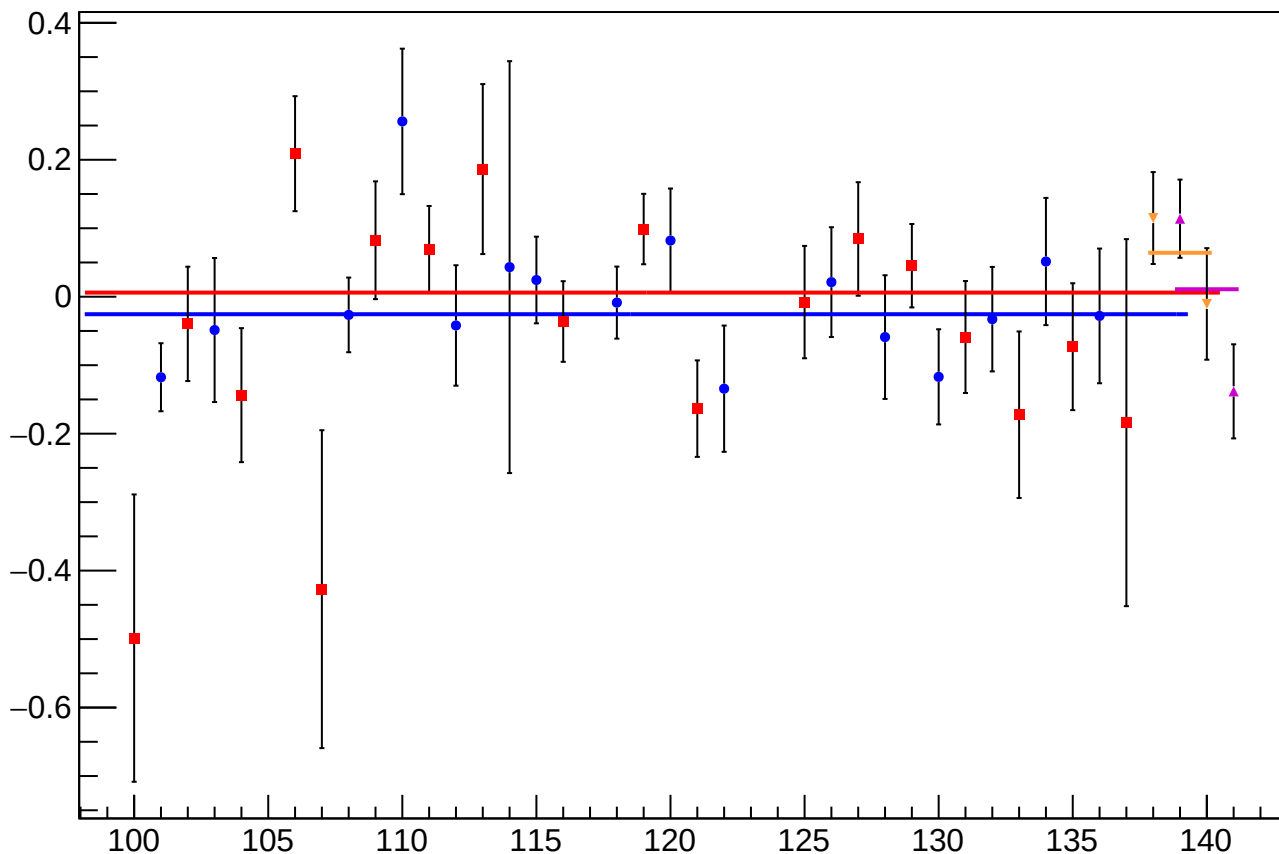
Left In: 54.518 $\pm$ 0.031 χ^2 /NDF: 45938.6/1

+ sign 46.774 $\pm$ 0.012 χ^2 /NDF: 1580568.1/17

All: 47.367 $\pm$ 0.009 χ^2 /NDF: 2879724.7/37

- sign 47.967 $\pm$ 0.013 χ^2 /NDF: 1294612.7/19

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

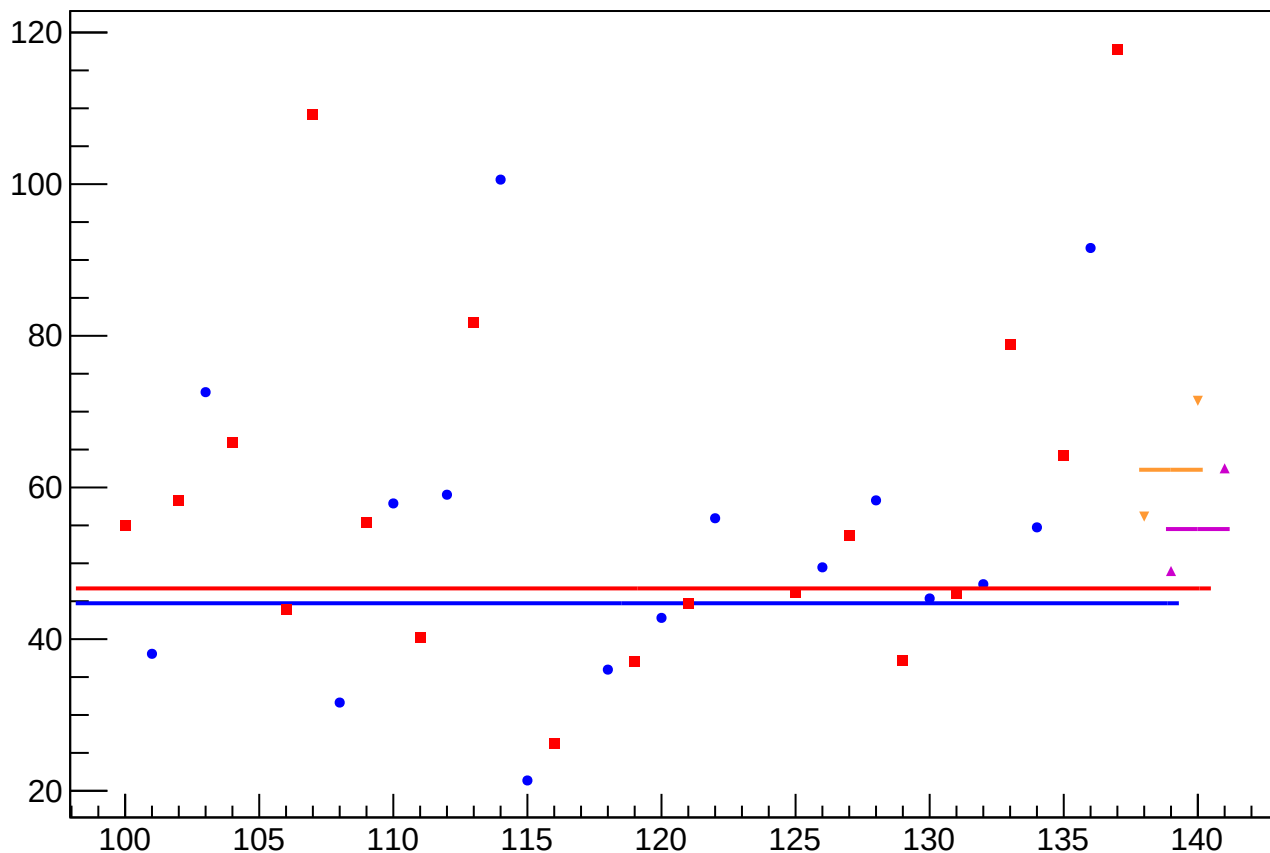
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.015 ± 0.018 χ^2/NDF : 21.7/17

All: -0.004 ± 0.013 χ^2/NDF : 67.0/37

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732 $\pm$ 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

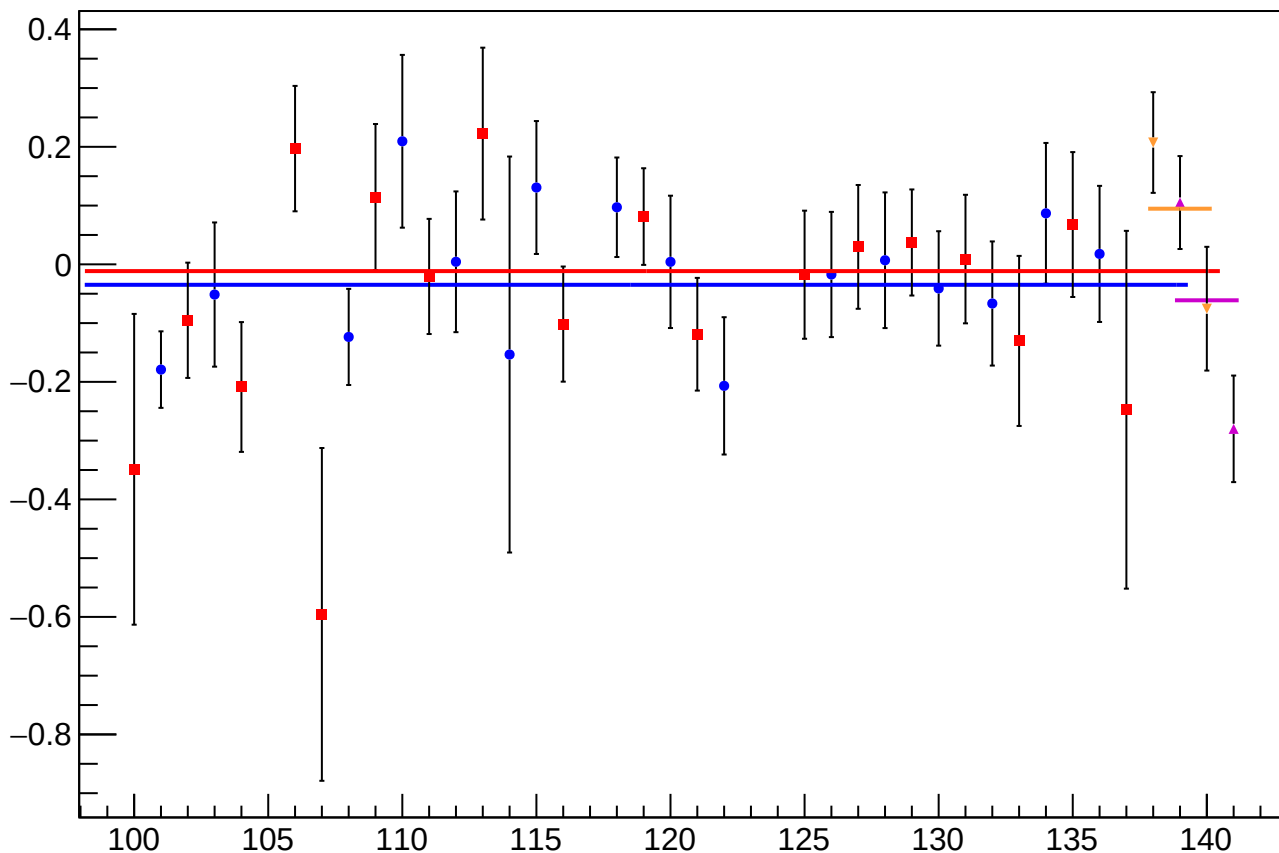
Left In: 54.518 $\pm$ 0.031 χ^2/NDF : 45938.6/1

+ sign 46.774 $\pm$ 0.012 χ^2/NDF : 1580568.1/17

All: 47.367 $\pm$ 0.009 χ^2/NDF : 2879724.7/37

- sign 47.967 $\pm$ 0.013 χ^2/NDF : 1294612.7/19

asym_usl_eigen_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

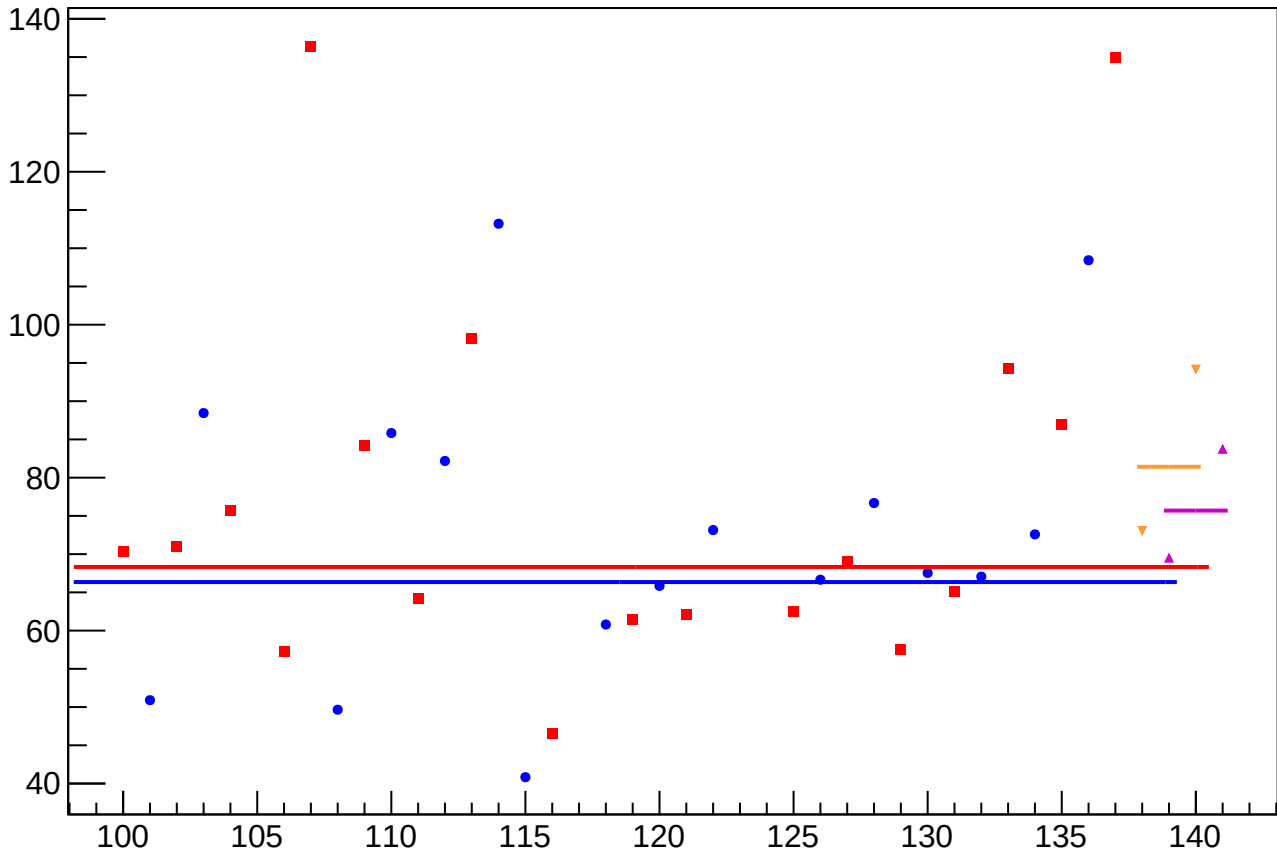
Left In: -0.061 ± 0.060 χ^2/NDF : 10.2/1

+ sign -0.017 ± 0.024 χ^2/NDF : 25.1/17

All: -0.019 ± 0.017 χ^2/NDF : 58.7/37

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

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348 $\pm$ 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

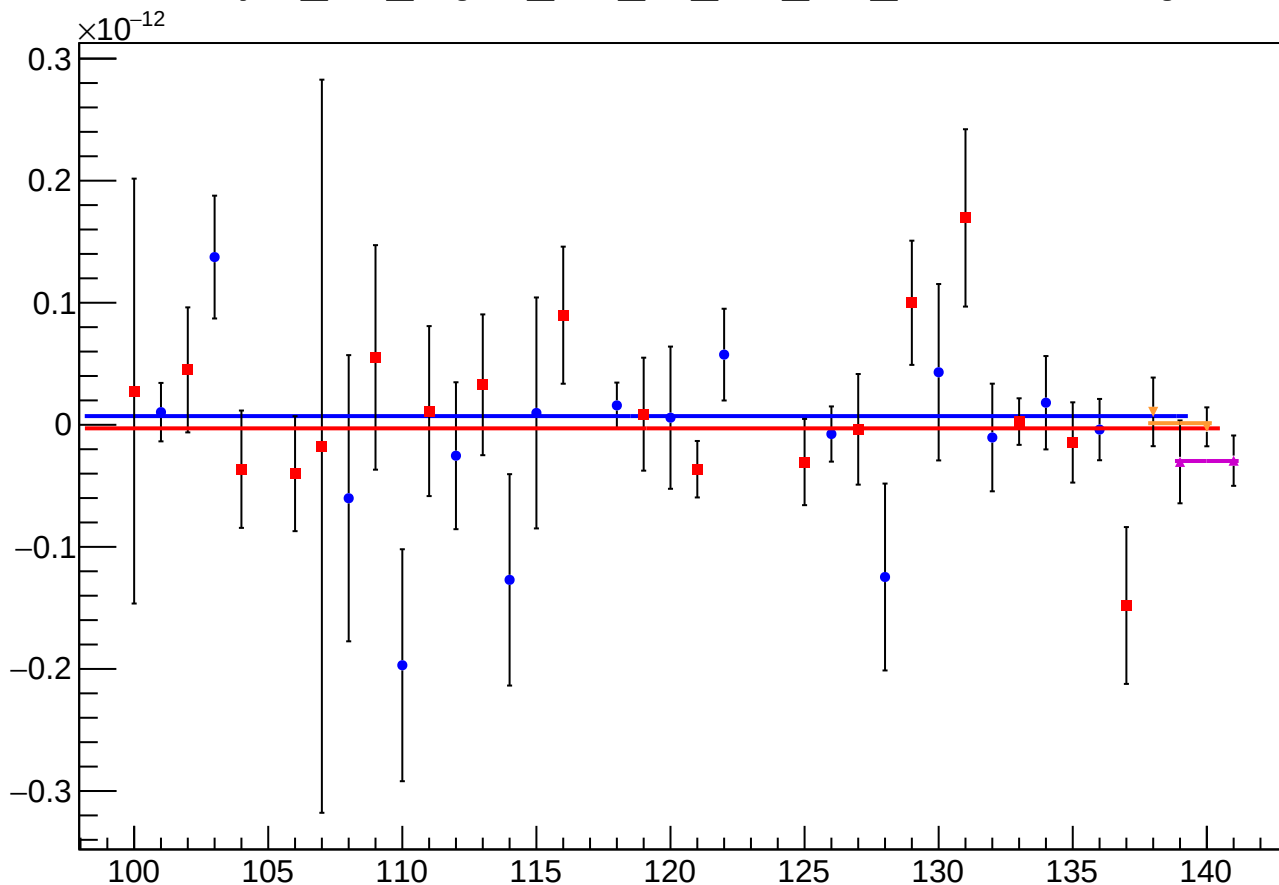
Left In: 75.693 $\pm$ 0.042 χ^2 /NDF: 27994.6/1

+ sign 68.386 $\pm$ 0.017 χ^2 /NDF: 910080.3/17

All: 68.976 $\pm$ 0.012 χ^2 /NDF: 1595500.6/37

- sign 69.569 $\pm$ 0.017 χ^2 /NDF: 683084.2/19

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.1/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/17

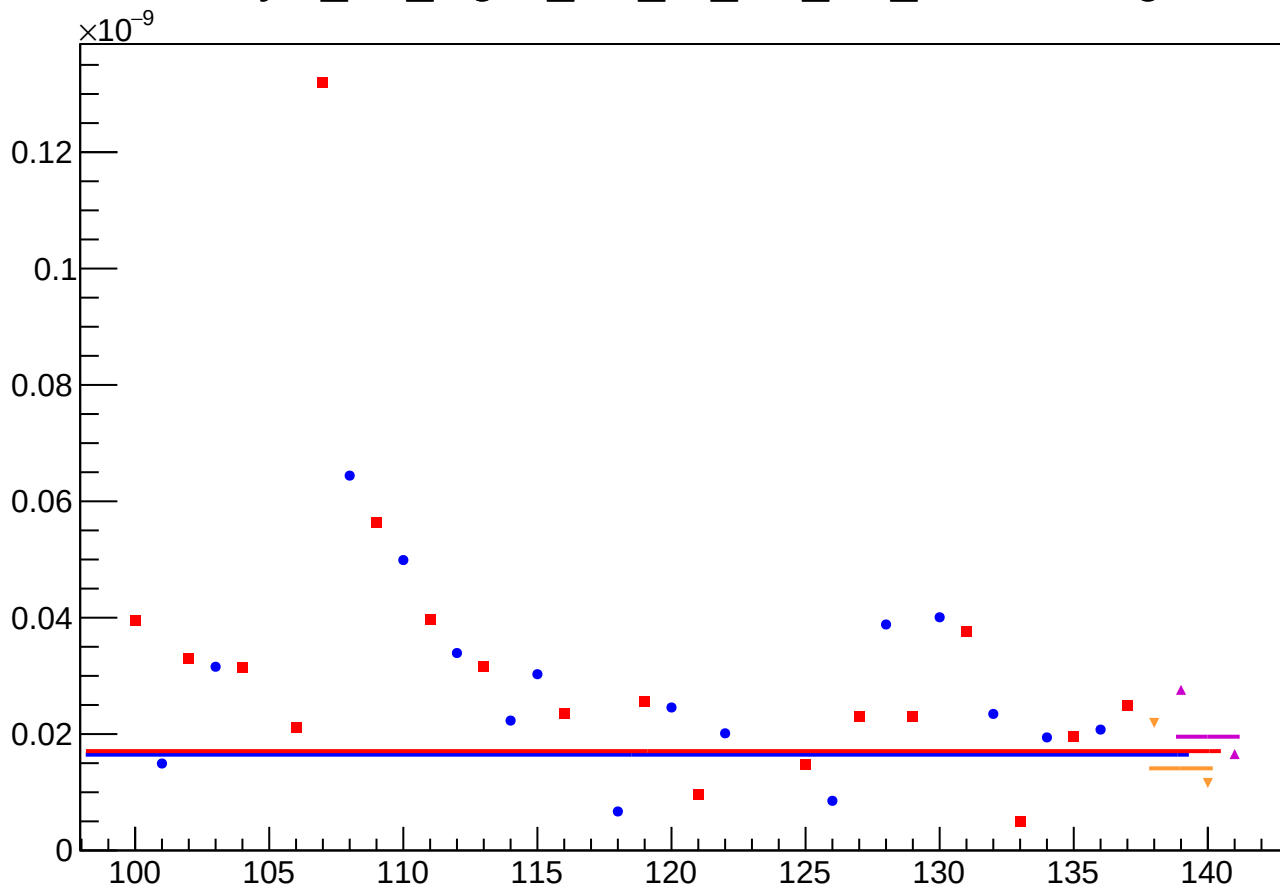
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 47.4/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/19

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 203843.4/1

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

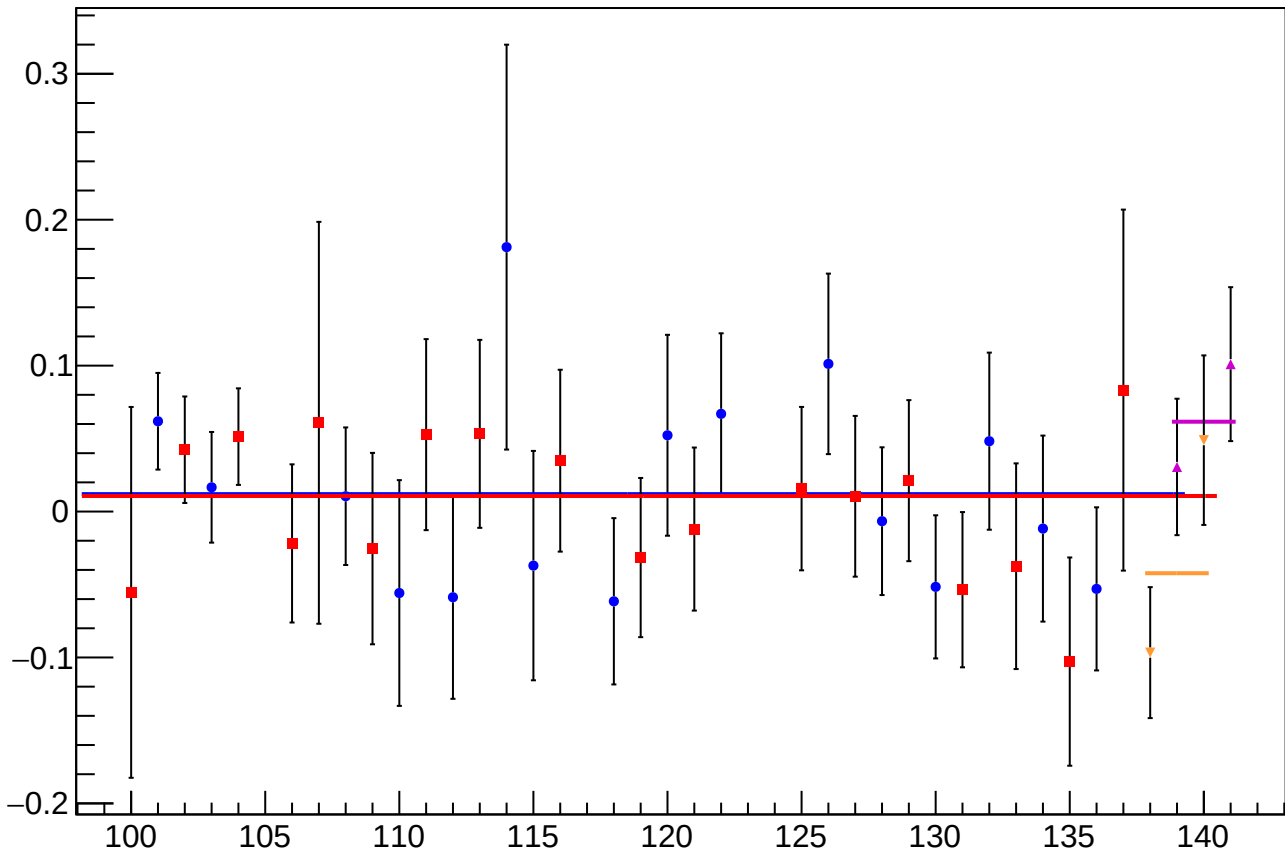
Left In: 0.000+/-0.000 χ^2/NDF : 154745.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2589718.6/17

All: 0.000+/-0.000 χ^2/NDF : 5621351.2/37

- sign 0.000+/-0.000 χ^2/NDF : 2976313.8/19

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 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

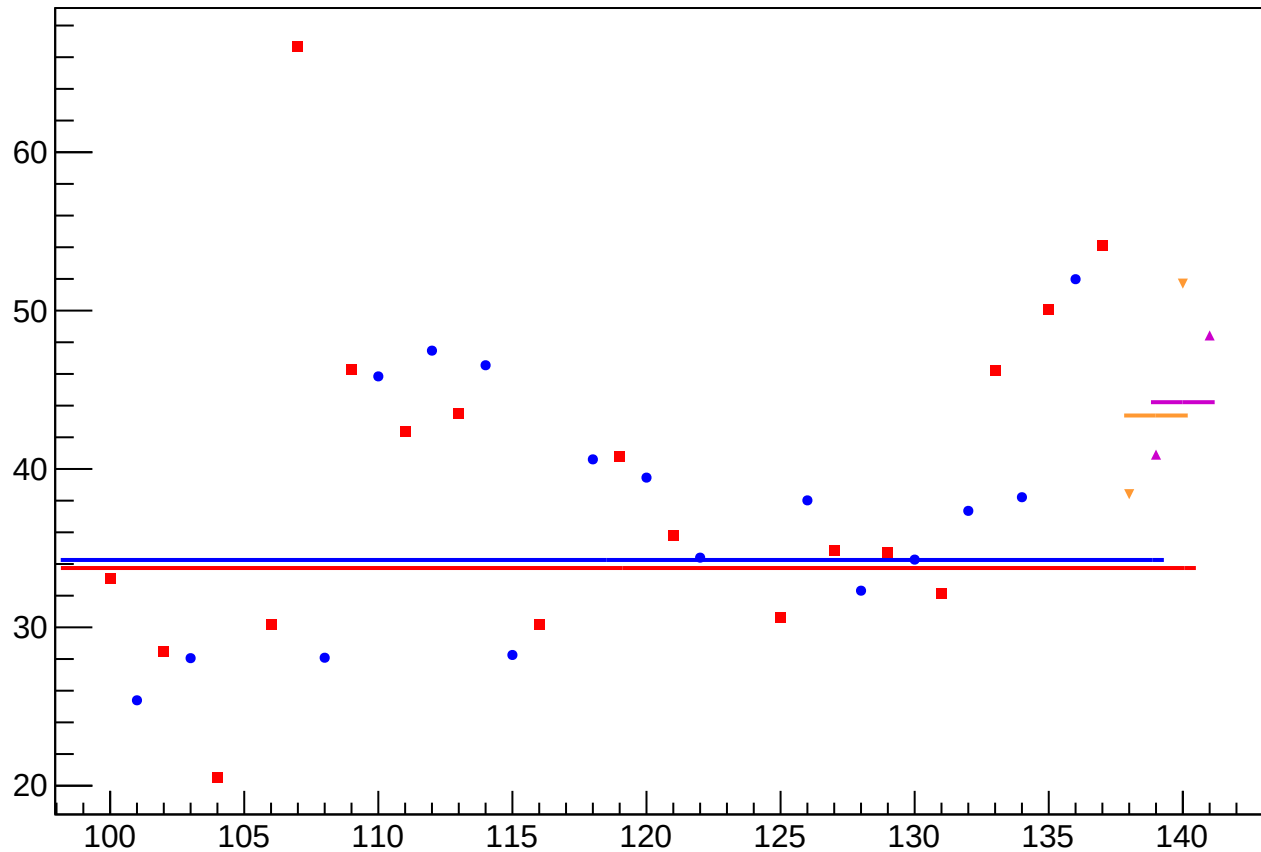
Left In: 0.062 $\pm$ 0.035 χ^2 /NDF:1.0/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 20.7/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 33.9/37

- sign 0.017 $\pm$ 0.013 χ^2 /NDF: 12.8/19

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2 /NDF: 636017.1/15

Left Out: 43.376+/-0.025 χ^2 /NDF:65608.5/1

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

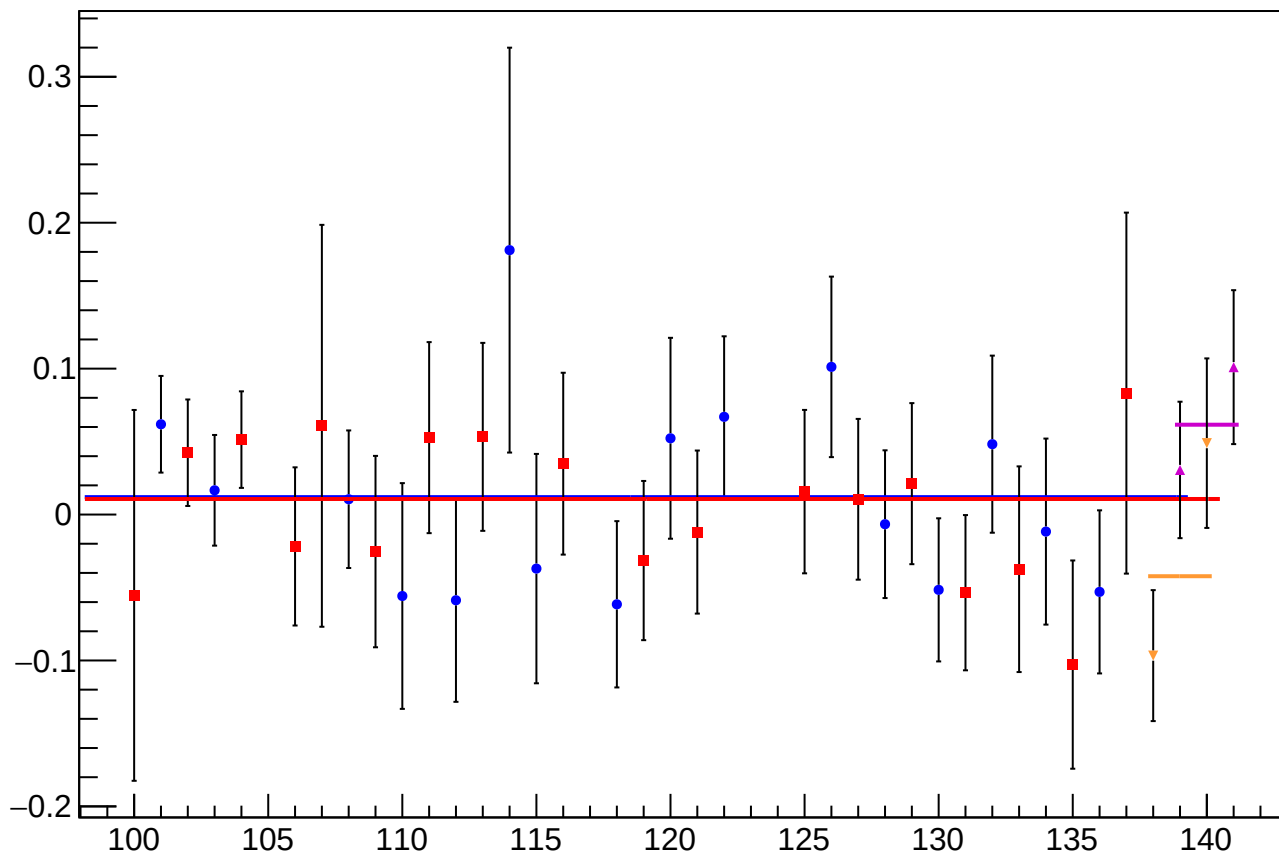
Left In: 44.217+/-0.025 χ^2 /NDF:22805.3/1

+ sign 35.423+/-0.009 χ^2 /NDF: 816675.5/17

All: 35.256+/-0.006 χ^2 /NDF: 1908200.8/37

- sign 35.093+/-0.009 χ^2 /NDF: 1090841.8/19

asym_usl_overload_cor_vs_eigen_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

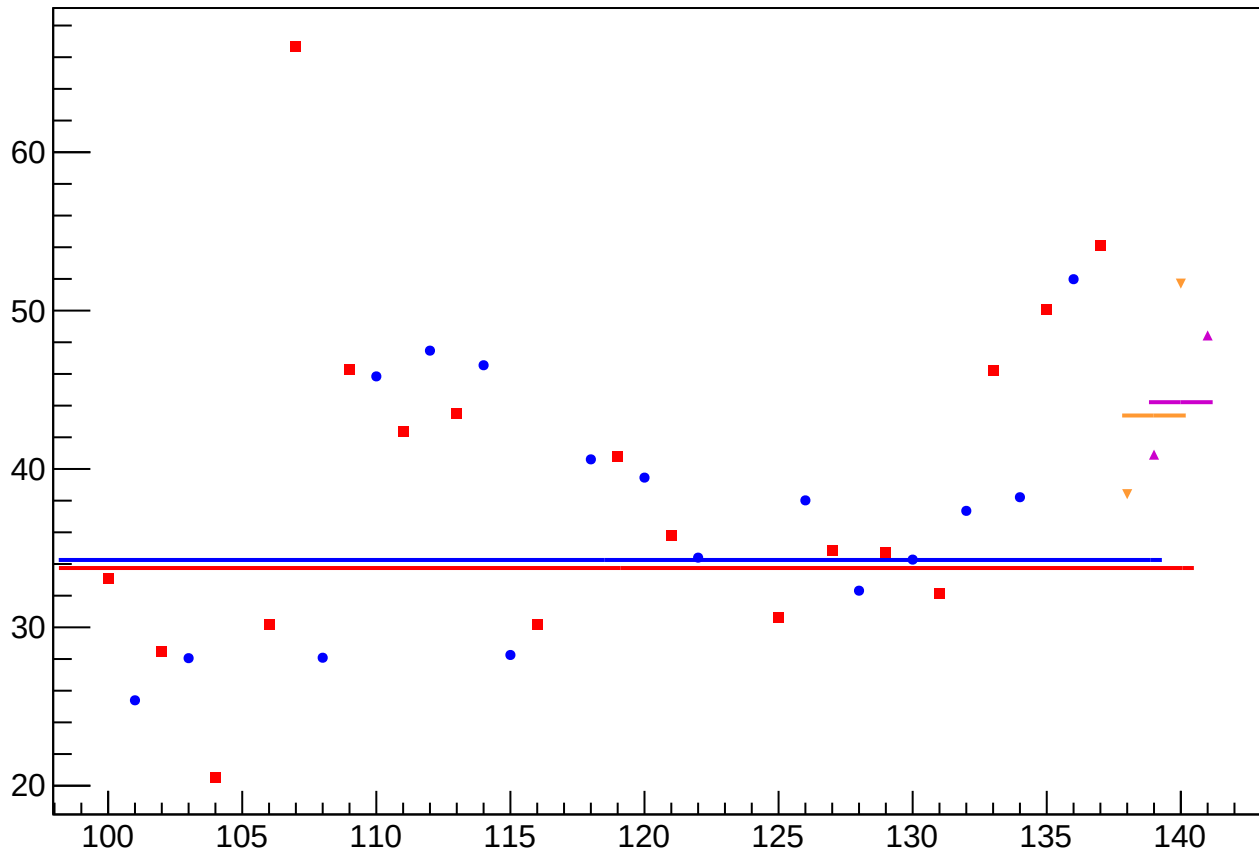
Left In: 0.062 $\pm$ 0.035 χ^2 /NDF: 1.0/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 20.7/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 33.9/37

- sign 0.017 $\pm$ 0.013 χ^2 /NDF: 12.8/19

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

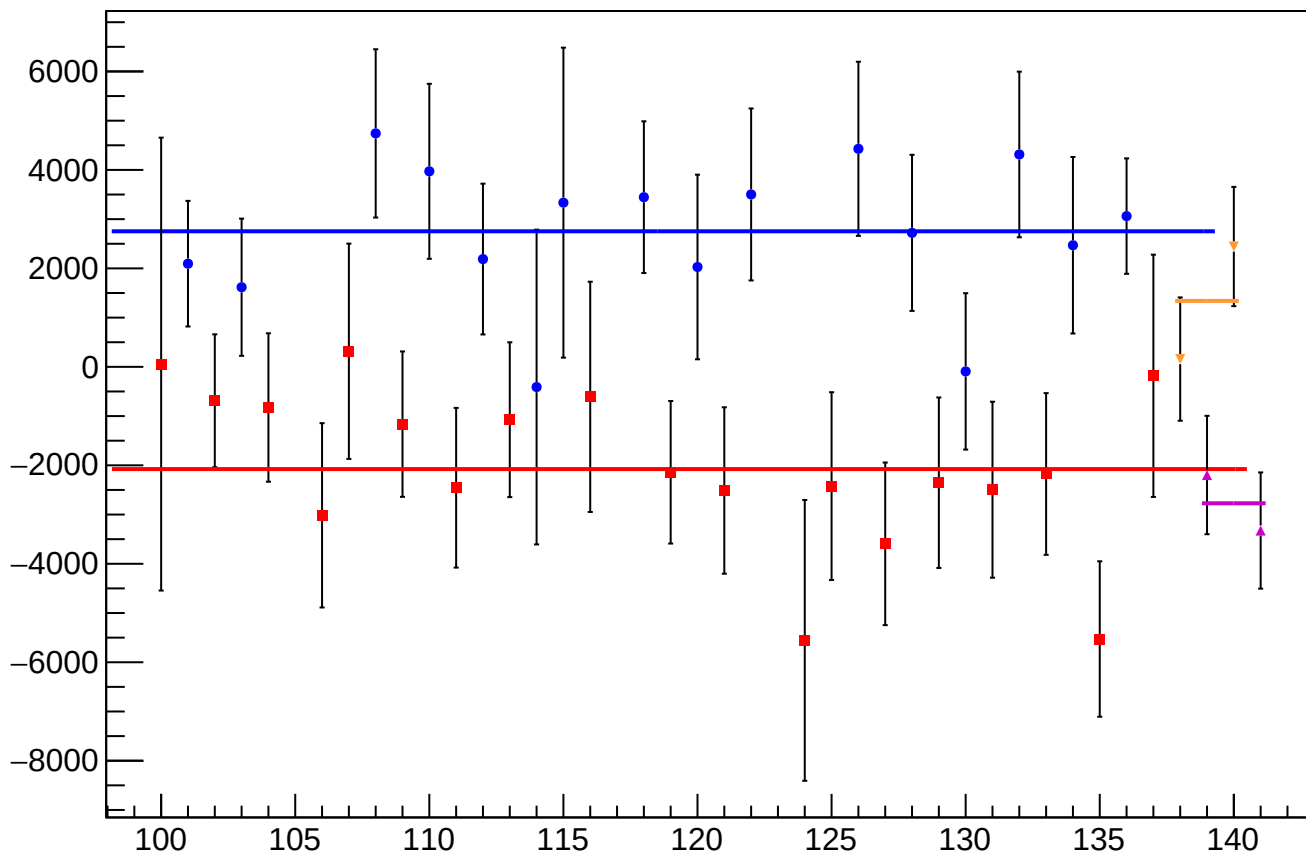
Left In: 44.217+/-0.025 χ^2/NDF : 22805.3/1

+ sign 35.423+/-0.009 χ^2/NDF : 816675.5/17

All: 35.256+/-0.006 χ^2/NDF : 1908200.8/37

- sign 35.093+/-0.009 χ^2/NDF : 1090841.8/19

reg_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

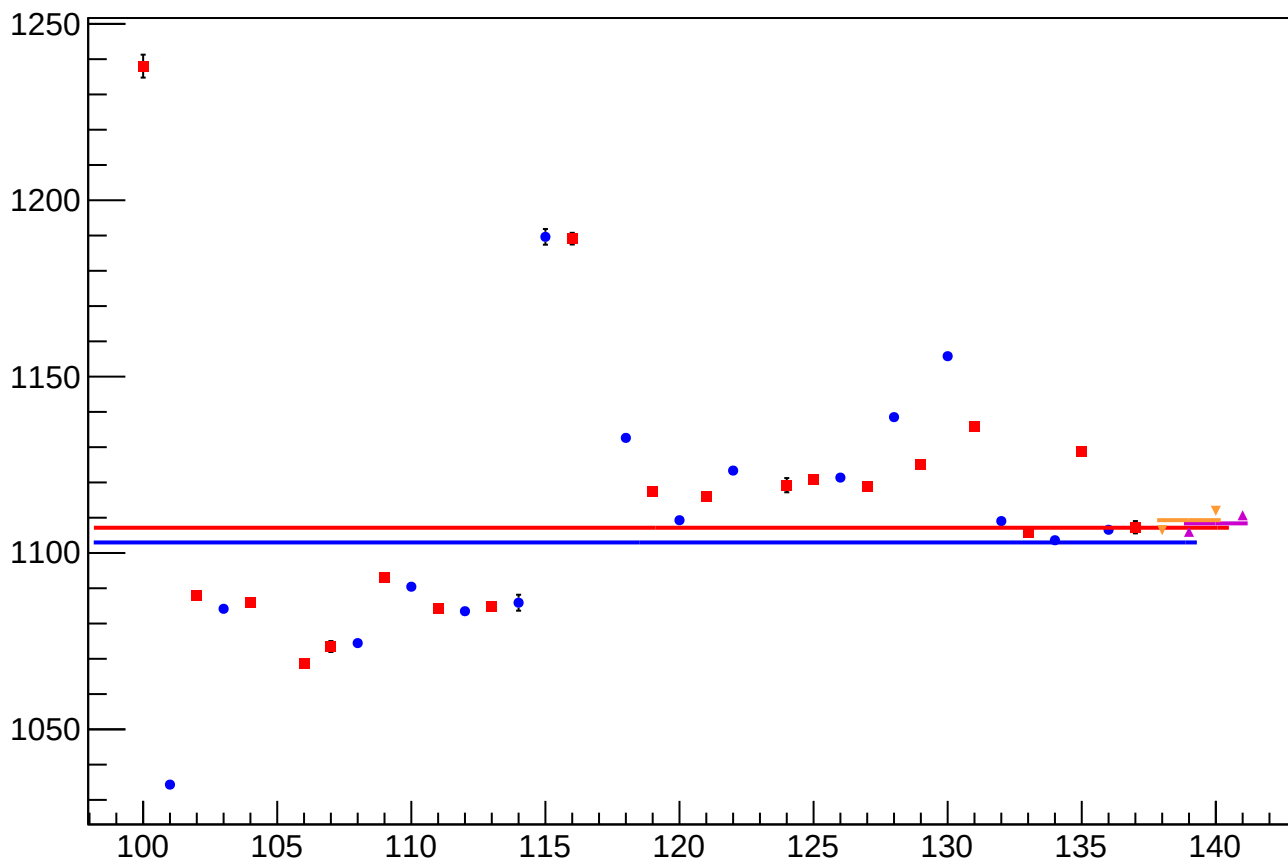
Left In: -2771.020 $\pm$ 842.300 χ^2 /NDF:0.4/1

+ sign 2496.626 $\pm$ 370.802 χ^2 /NDF: 13.4/17

All: 102.403 $\pm$ 259.801 χ^2 /NDF: 108.8/38

- sign -2206.264 $\pm$ 364.117 χ^2 /NDF: 13.5/20

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

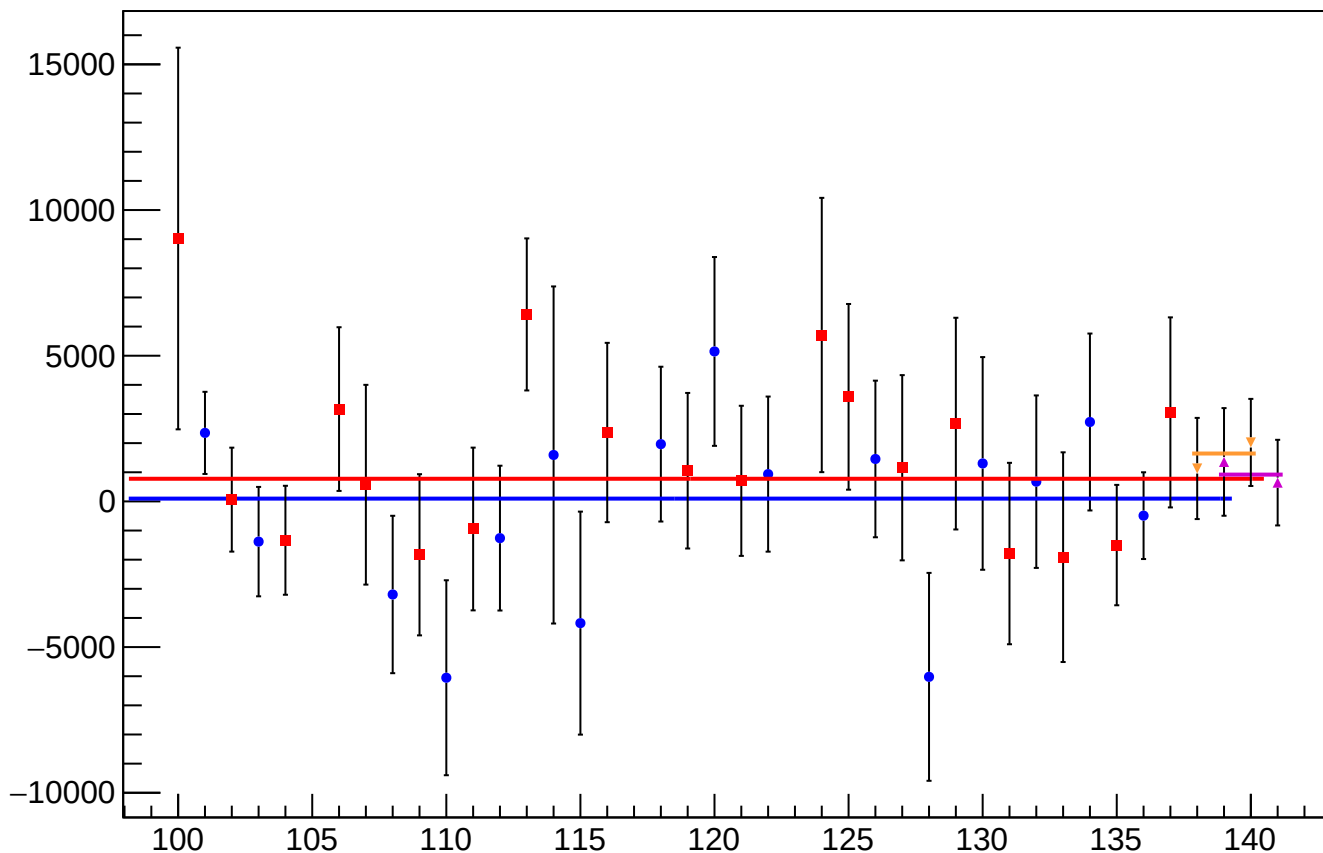
Left In: 1108.394 $\pm$ 0.596 χ^2 /NDF:15.5/1

+ sign 1104.134 $\pm$ 0.262 χ^2 /NDF: 13329.9/17

All: 1105.792 $\pm$ 0.184 χ^2 /NDF: 22110.8/38

- sign 1107.390 $\pm$ 0.257 χ^2 /NDF: 8702.4/20

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF : 0.2/1

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

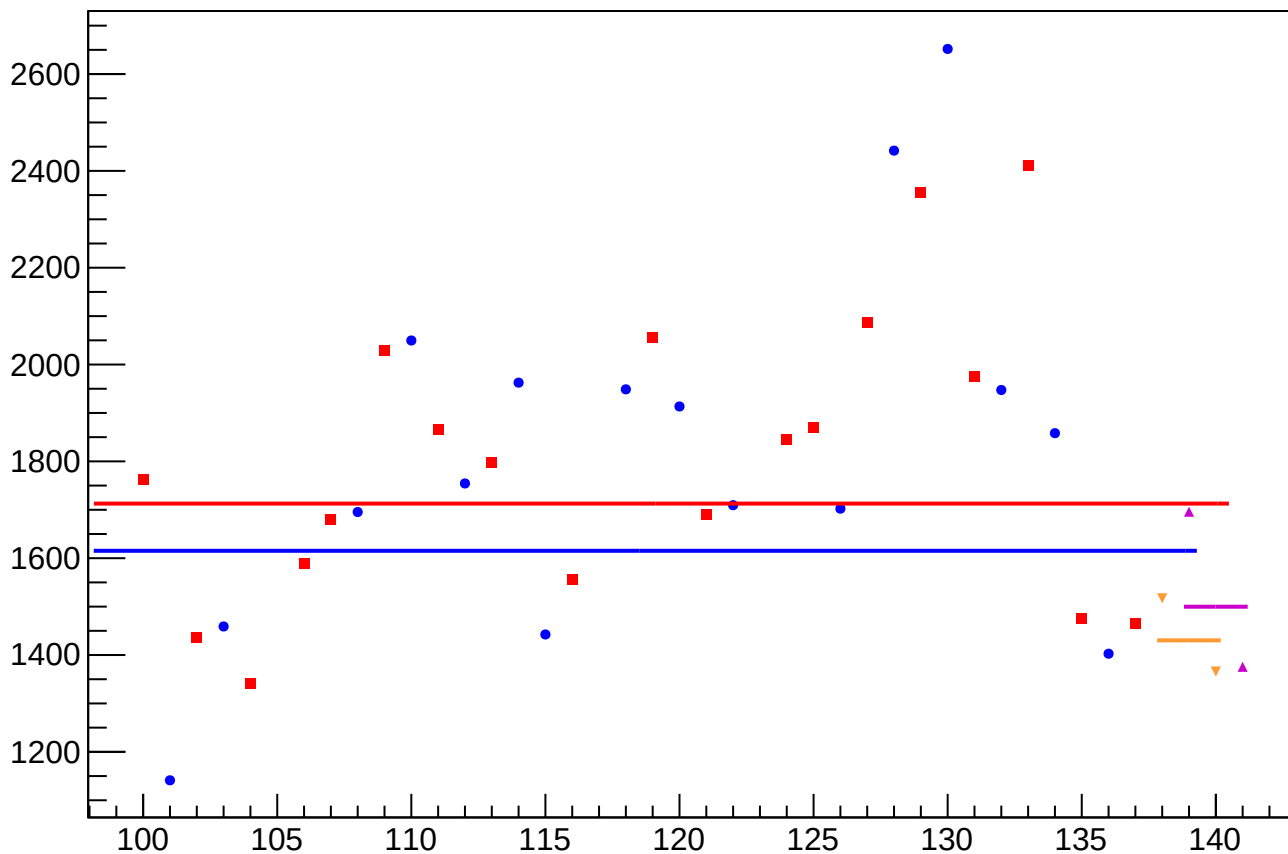
Left In: 919.839+/-1149.918 χ^2/NDF : 0.1/1

+ sign 451.003+/-542.571 χ^2/NDF : 18.5/17

All: 625.989+/-388.723 χ^2/NDF : 33.9/38

- sign 810.534+/-557.194 χ^2/NDF : 15.2/20

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2 /NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2 /NDF: 8719.9/1

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

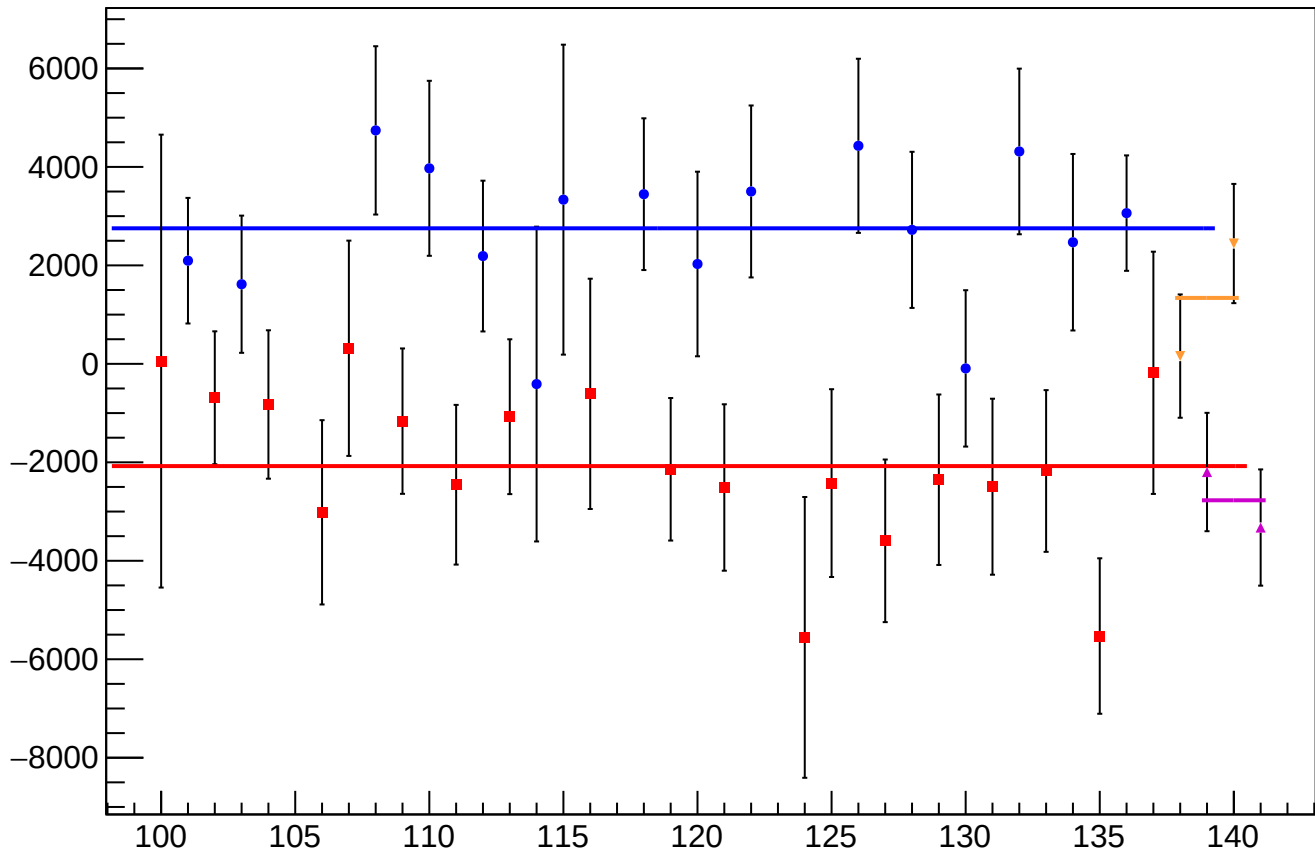
Left In: 1499.810+/-0.813 χ^2 /NDF: 36835.3/1

+ sign 1572.867+/-0.384 χ^2 /NDF: 743461.2/17

All: 1616.633+/-0.275 χ^2 /NDF: 1287603.1/38

- sign 1662.791+/-0.394 χ^2 /NDF: 517403.9/20

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

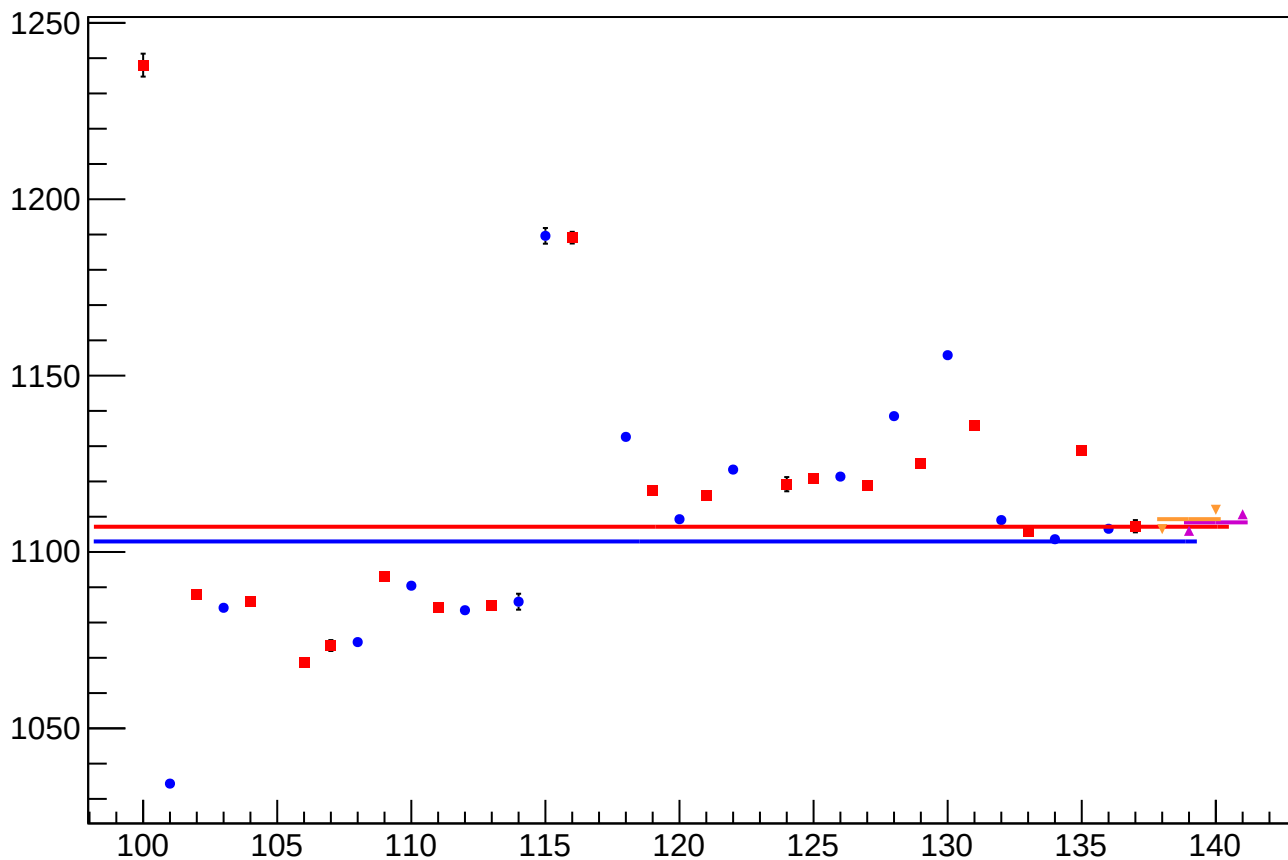
Left In: -2771.020 $\pm$ 842.300 χ^2 /NDF:0.4/1

+ sign 2496.626 $\pm$ 370.802 χ^2 /NDF: 13.4/17

All: 102.403 $\pm$ 259.801 χ^2 /NDF: 108.8/38

- sign -2206.264 $\pm$ 364.117 χ^2 /NDF: 13.5/20

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

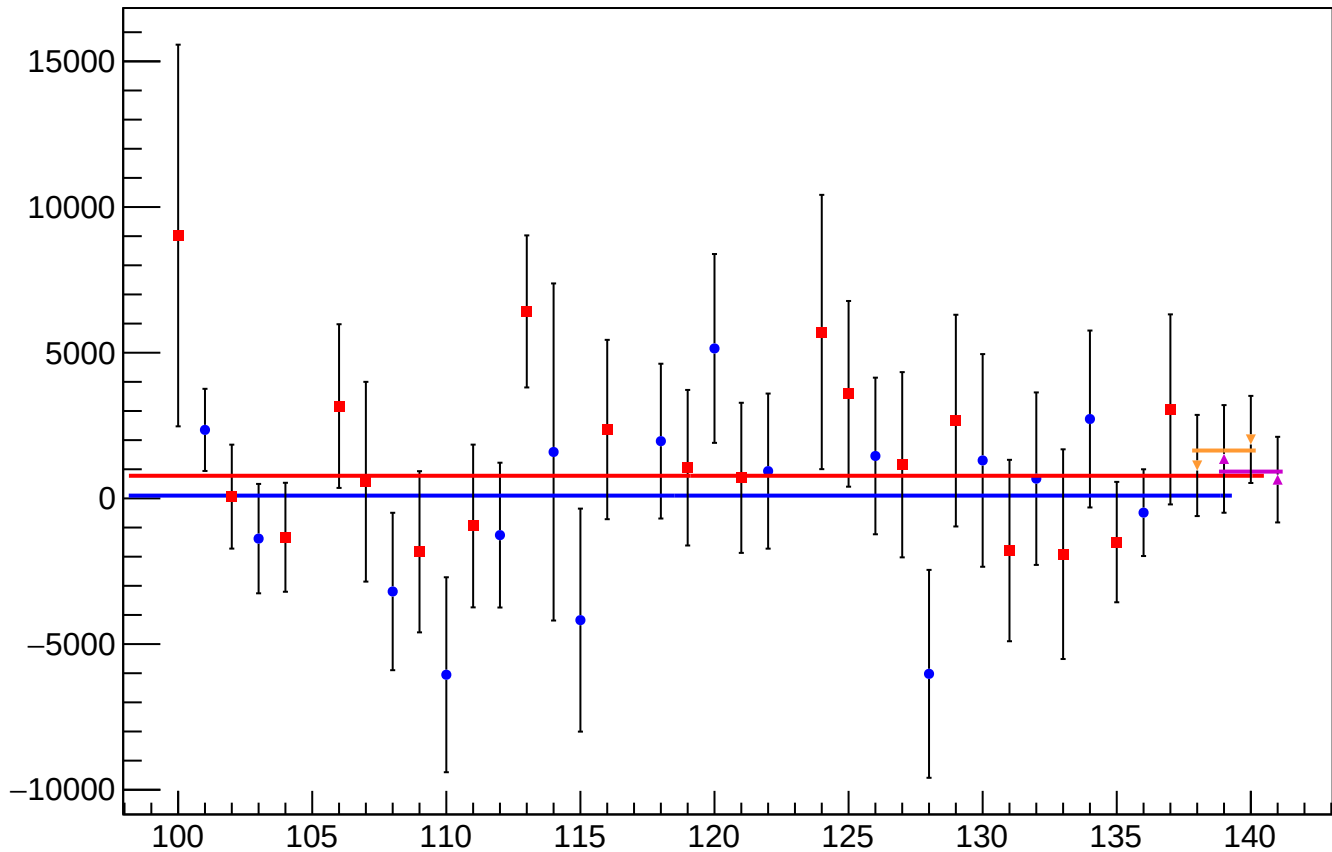
Left In: 1108.394 $\pm$ 0.596 χ^2 /NDF:15.5/1

+ sign 1104.134 $\pm$ 0.262 χ^2 /NDF: 13329.9/17

All: 1105.792 $\pm$ 0.184 χ^2 /NDF: 22110.8/38

- sign 1107.390 $\pm$ 0.257 χ^2 /NDF: 8702.4/20

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

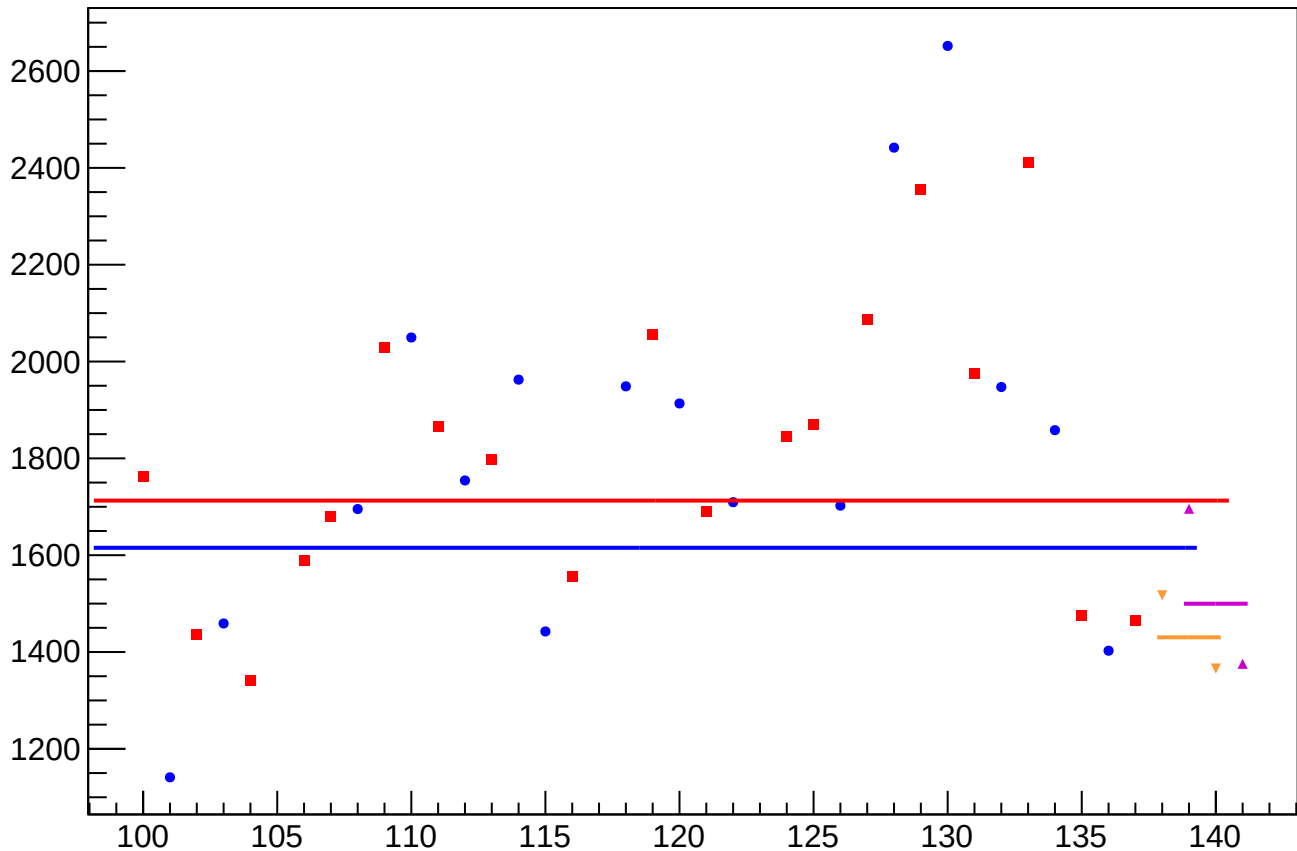
Left In: 919.839+/-1149.918 χ^2/NDF : 0.1/1

+ sign 451.003+/-542.571 χ^2/NDF : 18.5/17

All: 625.989+/-388.723 χ^2/NDF : 33.9/38

- sign 810.534+/-557.194 χ^2/NDF : 15.2/20

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF : 8719.9/1

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

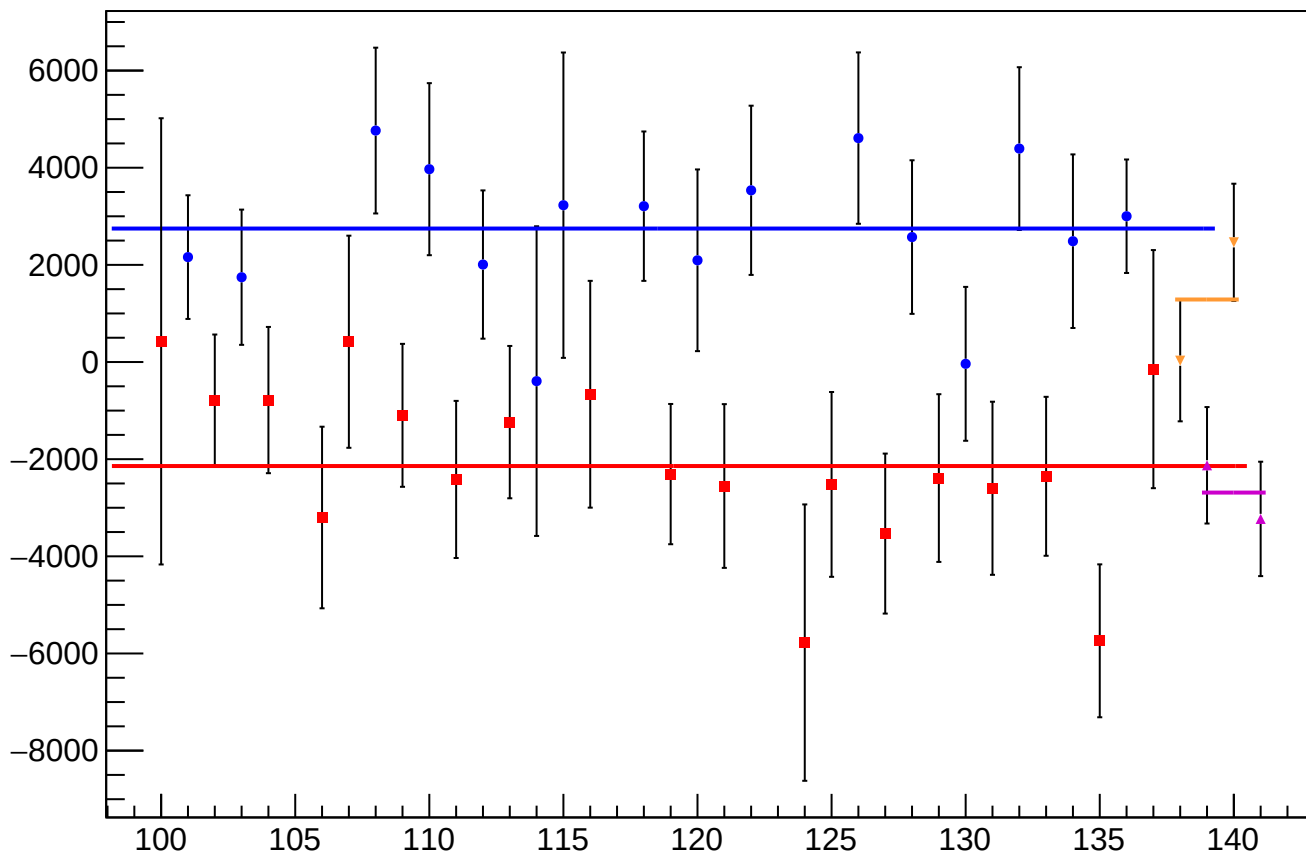
Left In: 1499.810+/-0.813 χ^2/NDF : 36835.3/1

+ sign 1572.867+/-0.384 χ^2/NDF : 743461.2/17

All: 1616.633+/-0.275 χ^2/NDF : 1287603.1/38

- sign 1662.791+/-0.394 χ^2/NDF : 517403.9/20

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

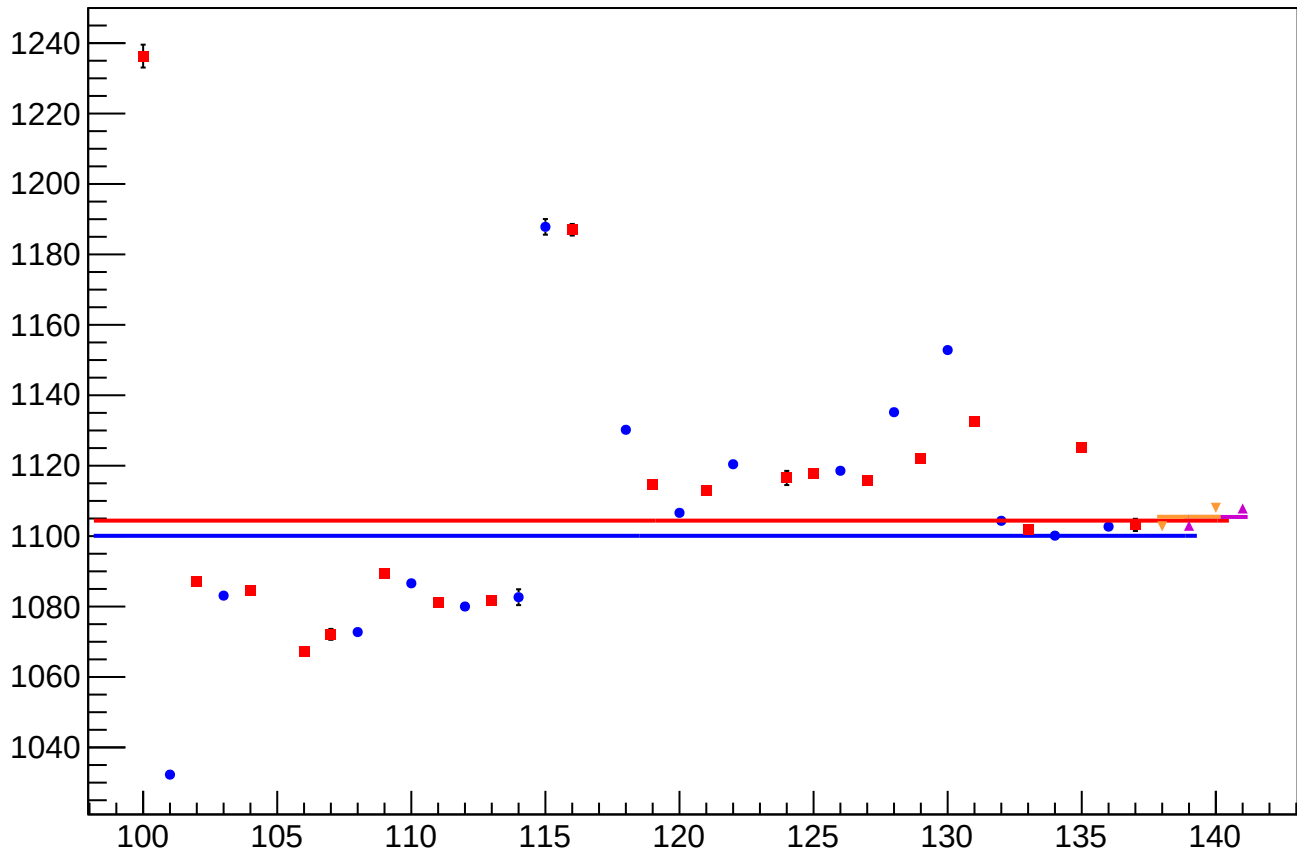
Left In: -2687.651 $\pm$ 840.058 χ^2 /NDF: 0.4/1

+ sign 2482.589 $\pm$ 369.772 χ^2 /NDF: 13.8/17

All: 77.243 $\pm$ 259.113 χ^2 /NDF: 111.3/38

- sign -2243.320 $\pm$ 363.197 χ^2 /NDF: 14.3/20

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF : 13077.1/15

Left Out: 1105.498+/-0.613 χ^2/NDF : 18.4/1

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

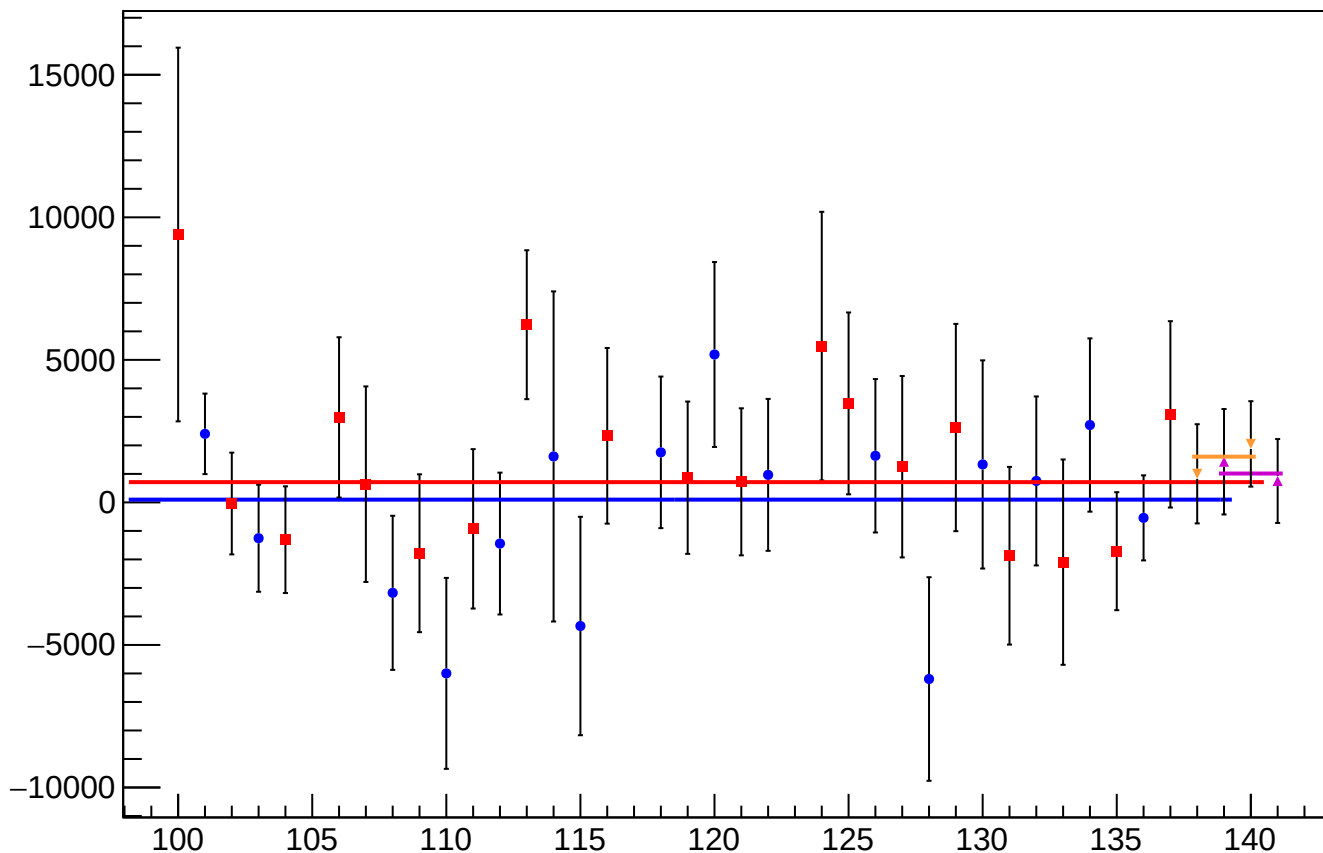
Left In: 1105.443+/-0.594 χ^2/NDF : 17.0/1

+ sign 1101.073+/-0.261 χ^2/NDF : 13159.1/17

All: 1102.867+/-0.183 χ^2/NDF : 21814.7/38

- sign 1104.597+/-0.257 χ^2/NDF : 8563.1/20

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF : 17.2/15

Left Out: 1605.348+/-1135.059 χ^2/NDF : 0.2/1

Right Out: 711.287+/-637.587 χ^2/NDF : 14.9/18

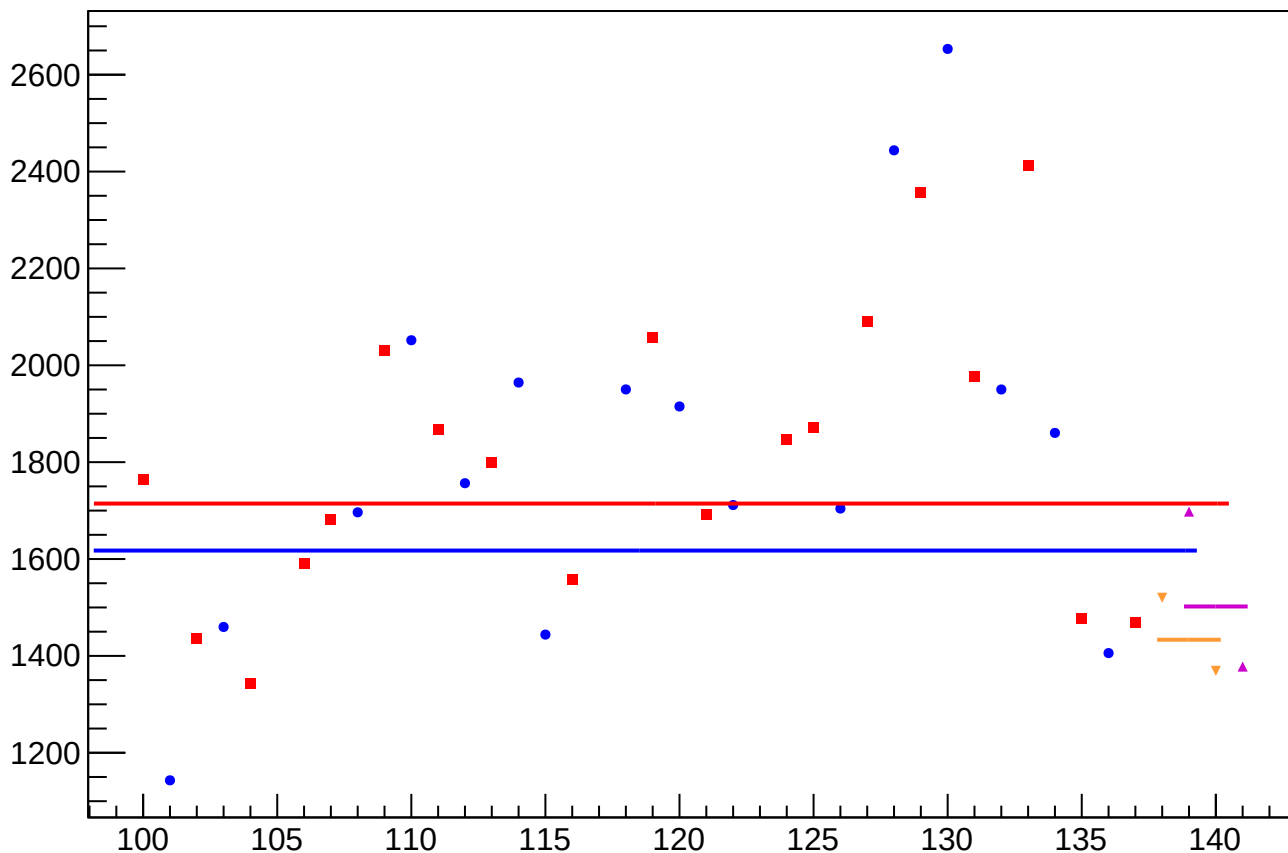
Left In: 1013.120+/-1151.594 χ^2/NDF : 0.1/1

+ sign 442.986+/-543.358 χ^2/NDF : 18.8/17

All: 608.097+/-389.218 χ^2/NDF : 34.1/38

- sign 782.102+/-557.801 χ^2/NDF : 15.1/20

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF : 691725.3/15

Left Out: 1433.360+/-0.803 χ^2/NDF : 8651.0/1

Right Out: 1714.508+/-0.451 χ^2/NDF : 427709.9/18

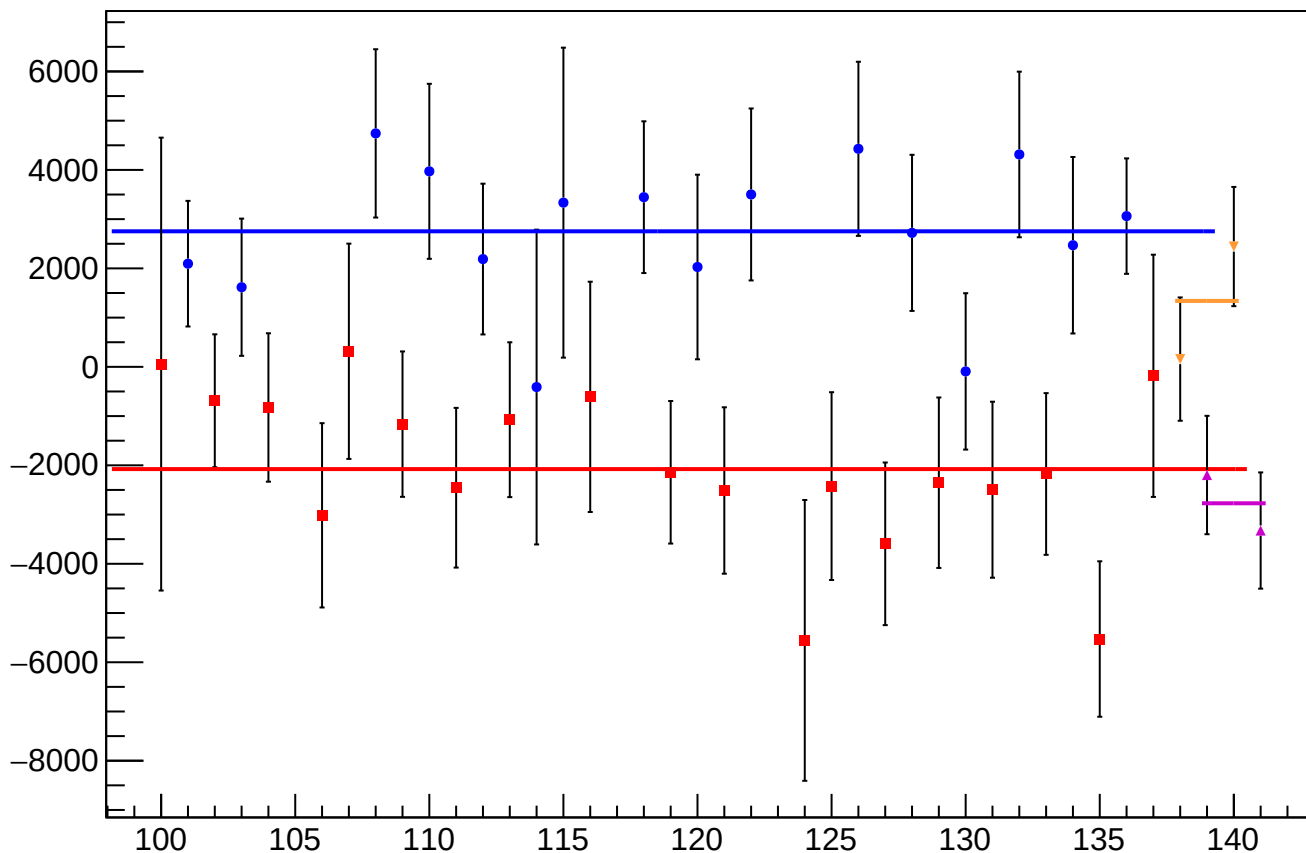
Left In: 1502.048+/-0.814 χ^2/NDF : 36648.5/1

+ sign 1575.296+/-0.384 χ^2/NDF : 740947.1/17

All: 1618.806+/-0.275 χ^2/NDF : 1283748.9/38

- sign 1664.661+/-0.394 χ^2/NDF : 516461.4/20

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

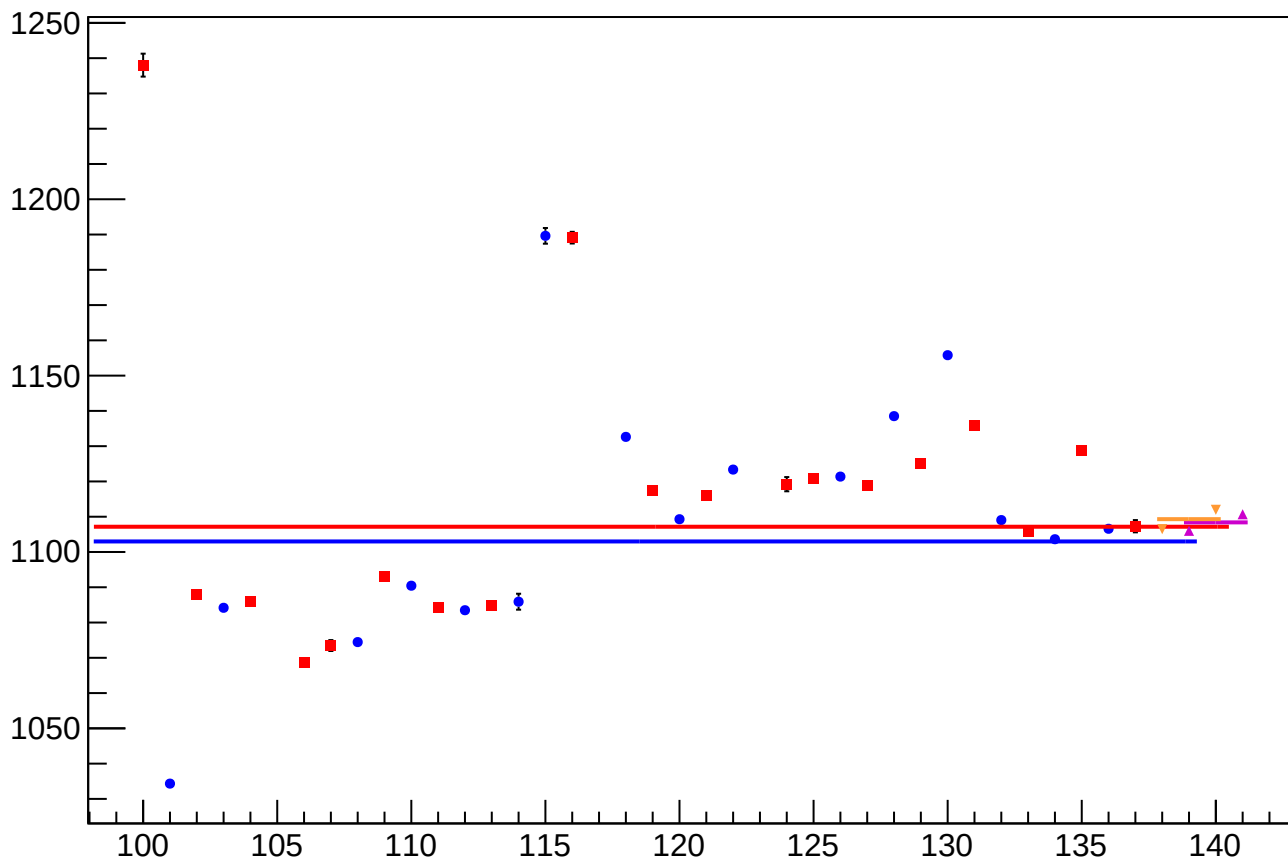
Left In: -2771.020 $\pm$ 842.300 χ^2 /NDF: 0.4/1

+ sign 2496.626 $\pm$ 370.802 χ^2 /NDF: 13.4/17

All: 102.403 $\pm$ 259.801 χ^2 /NDF: 108.8/38

- sign -2206.264 $\pm$ 364.117 χ^2 /NDF: 13.5/20

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

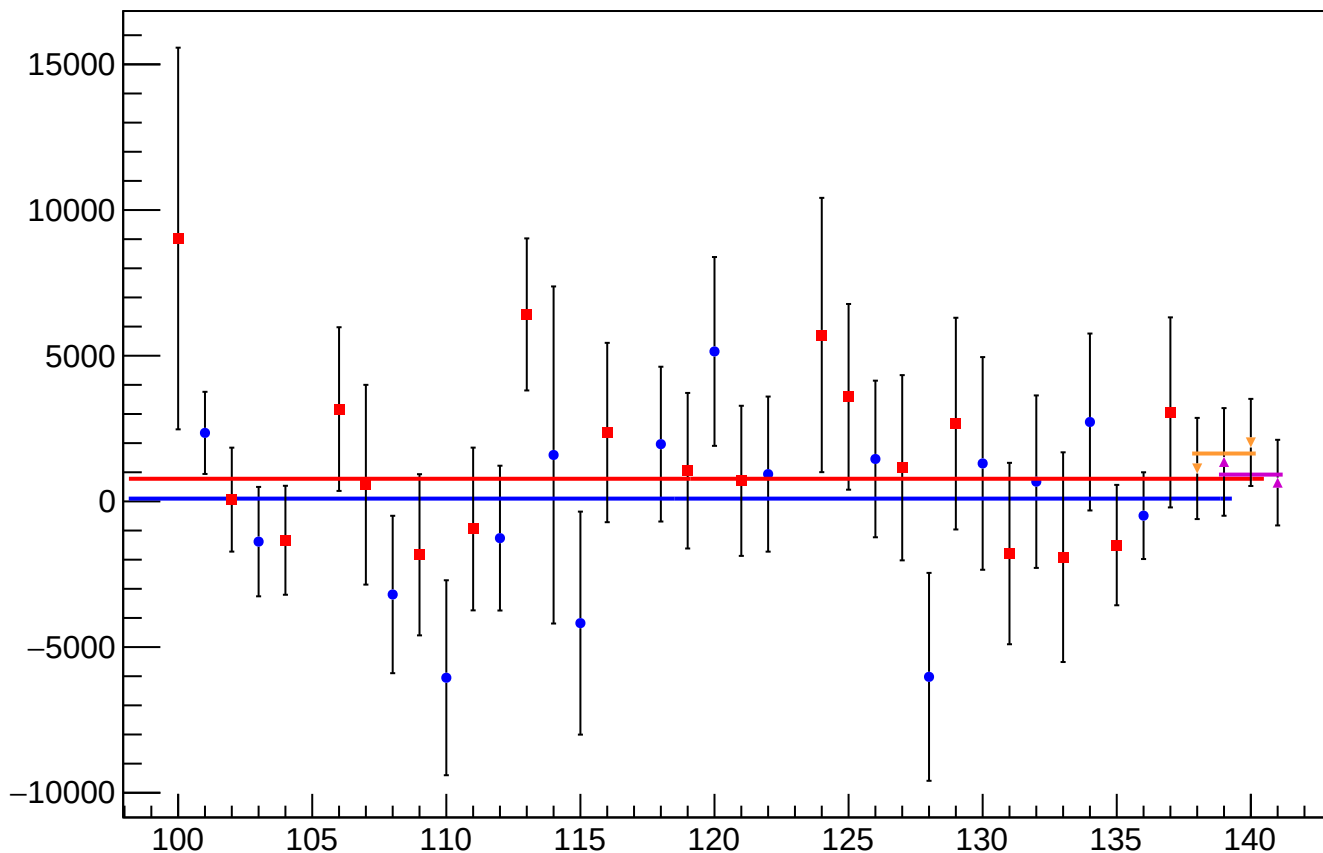
Left In: 1108.394 $\pm$ 0.596 χ^2 /NDF:15.5/1

+ sign 1104.134 $\pm$ 0.262 χ^2 /NDF: 13329.9/17

All: 1105.792 $\pm$ 0.184 χ^2 /NDF: 22110.8/38

- sign 1107.390 $\pm$ 0.257 χ^2 /NDF: 8702.4/20

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

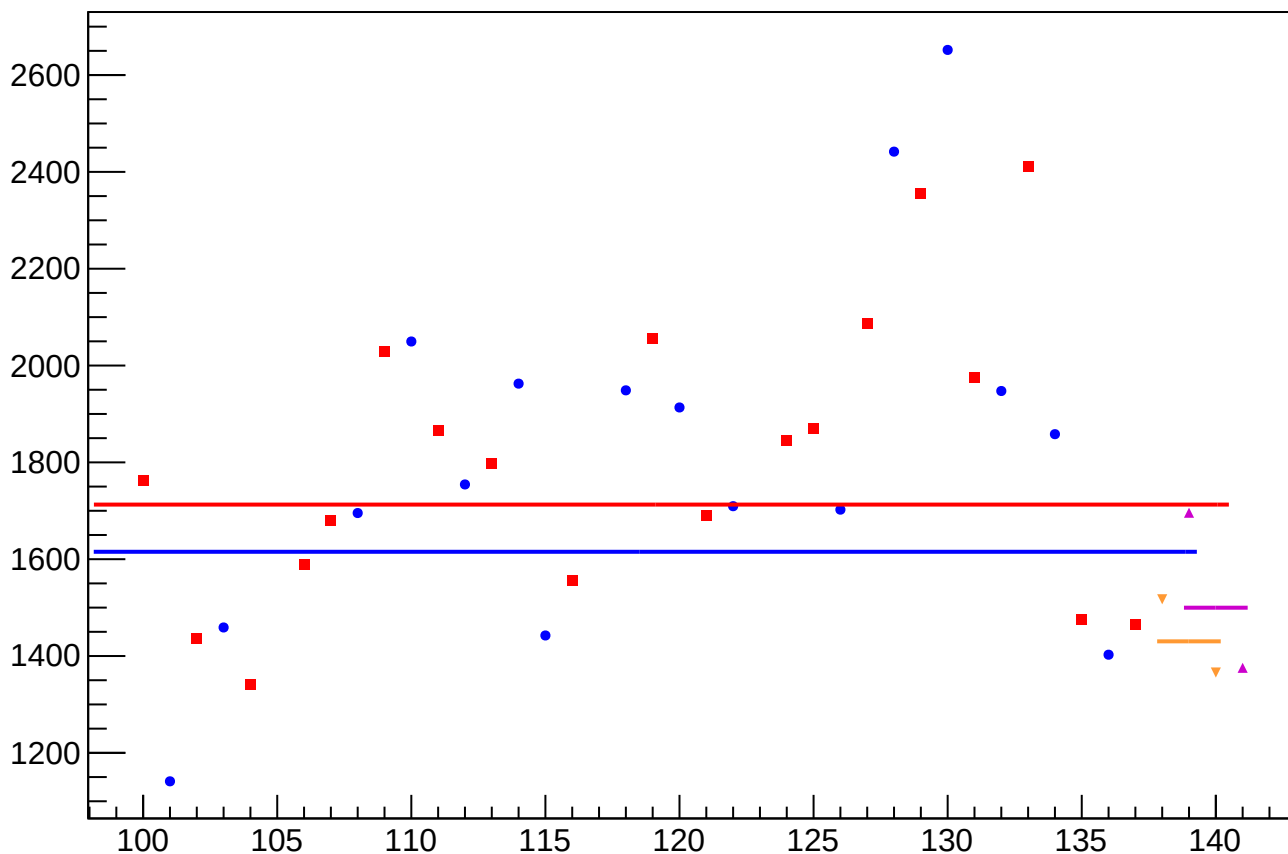
Left In: 919.839+/-1149.918 χ^2/NDF : 0.1/1

+ sign 451.003+/-542.571 χ^2/NDF : 18.5/17

All: 625.989+/-388.723 χ^2/NDF : 33.9/38

- sign 810.534+/-557.194 χ^2/NDF : 15.2/20

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF : 8719.9/1

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

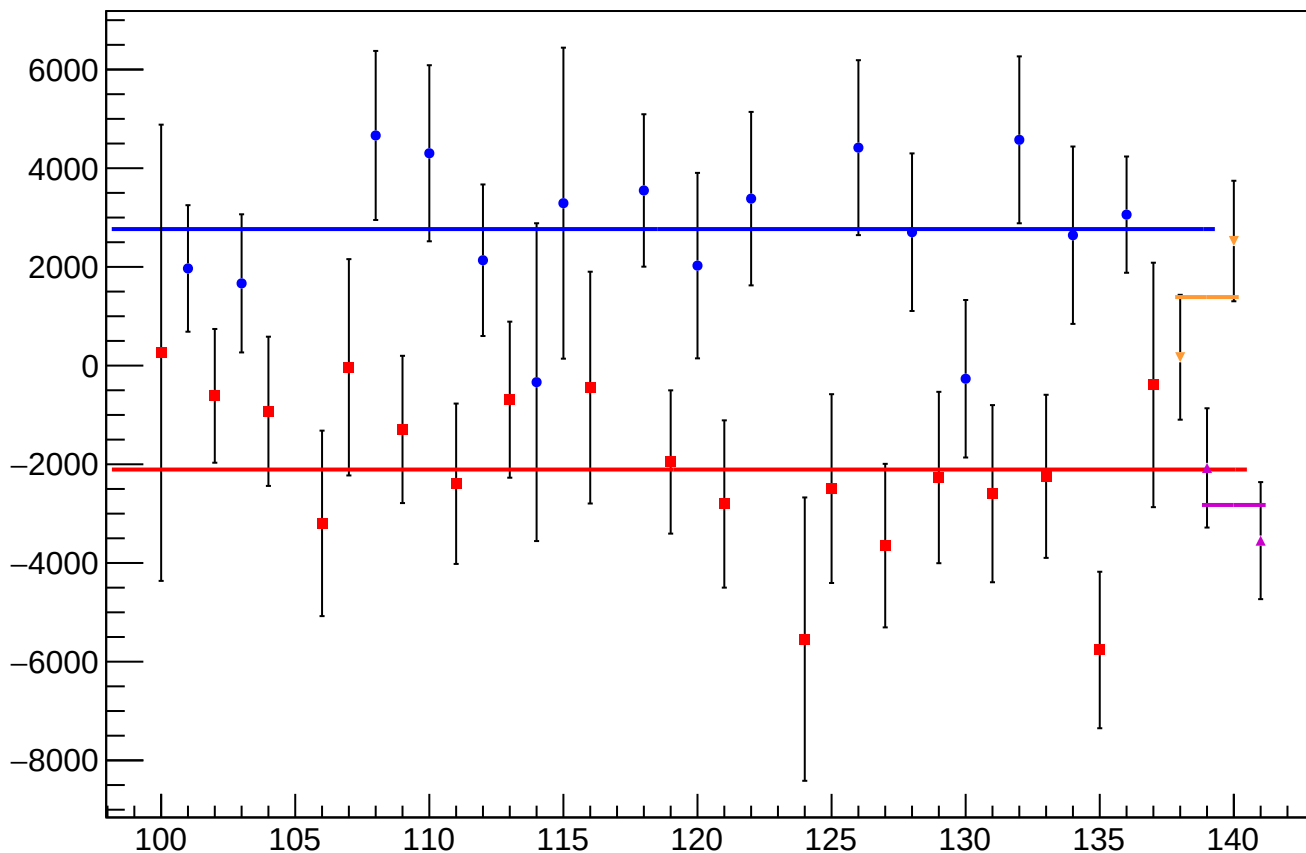
Left In: 1499.810+/-0.813 χ^2/NDF : 36835.3/1

+ sign 1572.867+/-0.384 χ^2/NDF : 743461.2/17

All: 1616.633+/-0.275 χ^2/NDF : 1287603.1/38

- sign 1662.791+/-0.394 χ^2/NDF : 517403.9/20

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

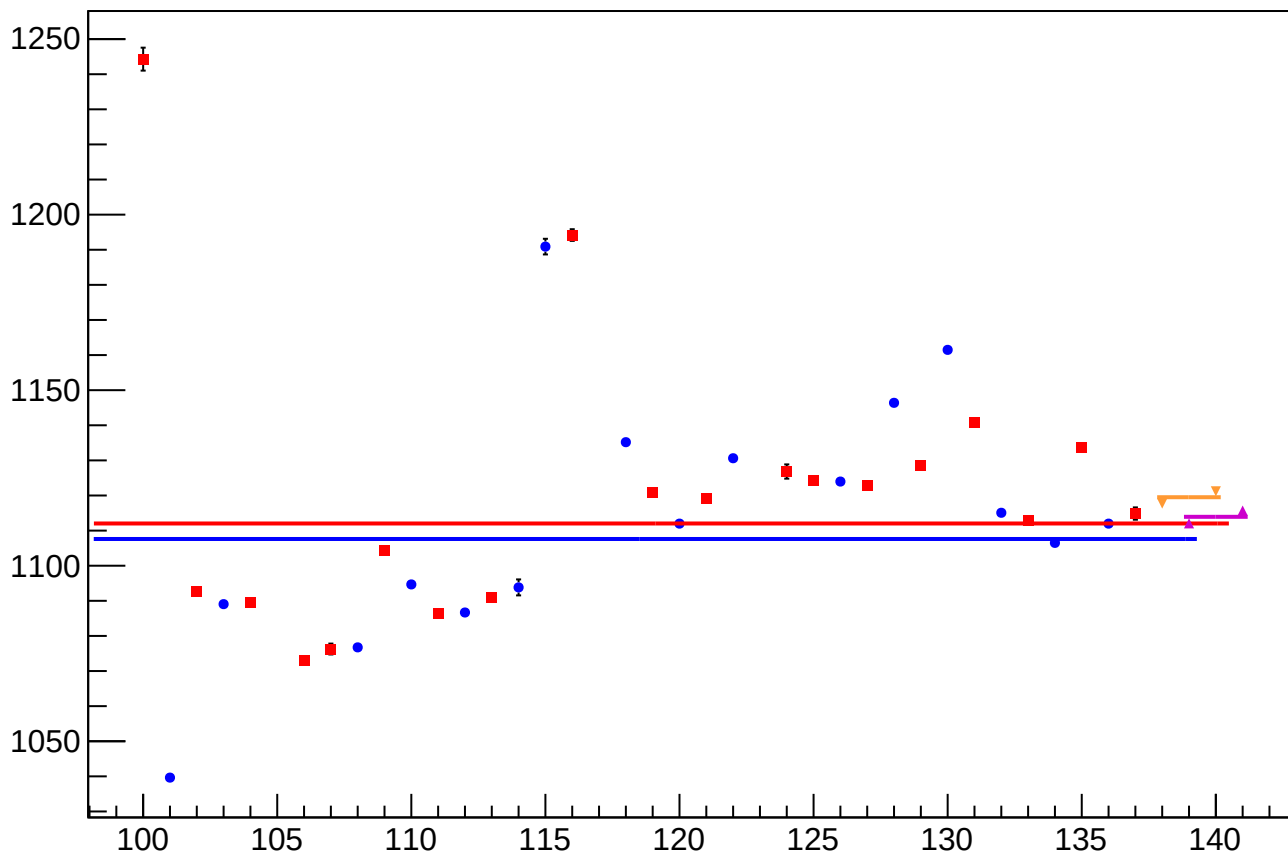
Left In: -2824.237 $\pm$ 846.546 χ^2/NDF : 0.8/1

+ sign 2518.706 $\pm$ 372.699 χ^2/NDF : 14.1/17

All: 94.532 $\pm$ 261.054 χ^2/NDF : 111.9/38

- sign -2240.379 $\pm$ 365.772 χ^2/NDF : 14.7/20

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

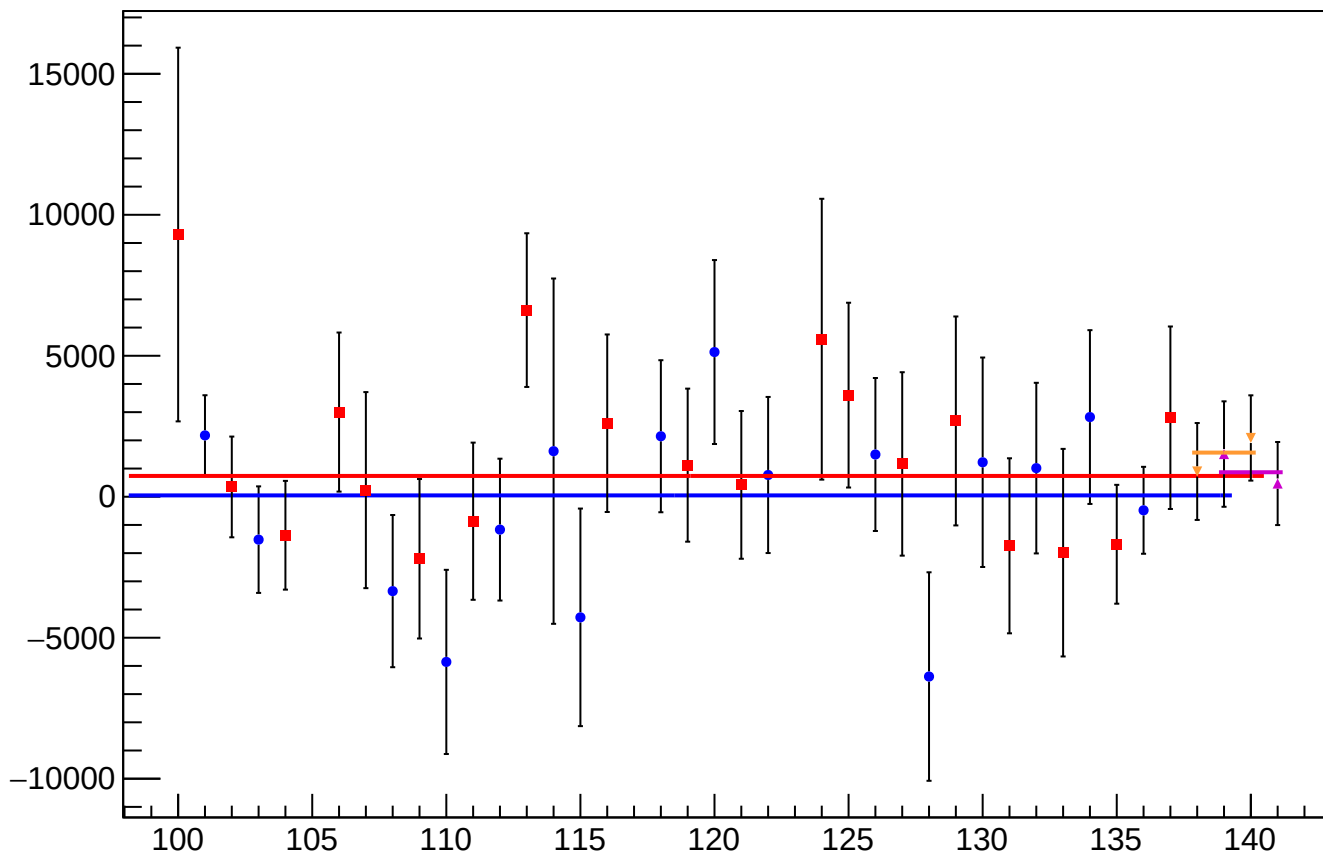
Left In: 1113.927 $\pm$ 0.599 χ^2 /NDF: 9.3/1

+ sign 1109.754 $\pm$ 0.264 χ^2 /NDF: 13529.3/17

All: 1111.094 $\pm$ 0.185 χ^2 /NDF: 22251.0/38

- sign 1112.384 $\pm$ 0.259 χ^2 /NDF: 8671.0/20

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF : 16.9/15

Left Out: 1566.021+/-1135.387 χ^2/NDF : 0.3/1

Right Out: 738.185+/-647.795 χ^2/NDF : 14.9/18

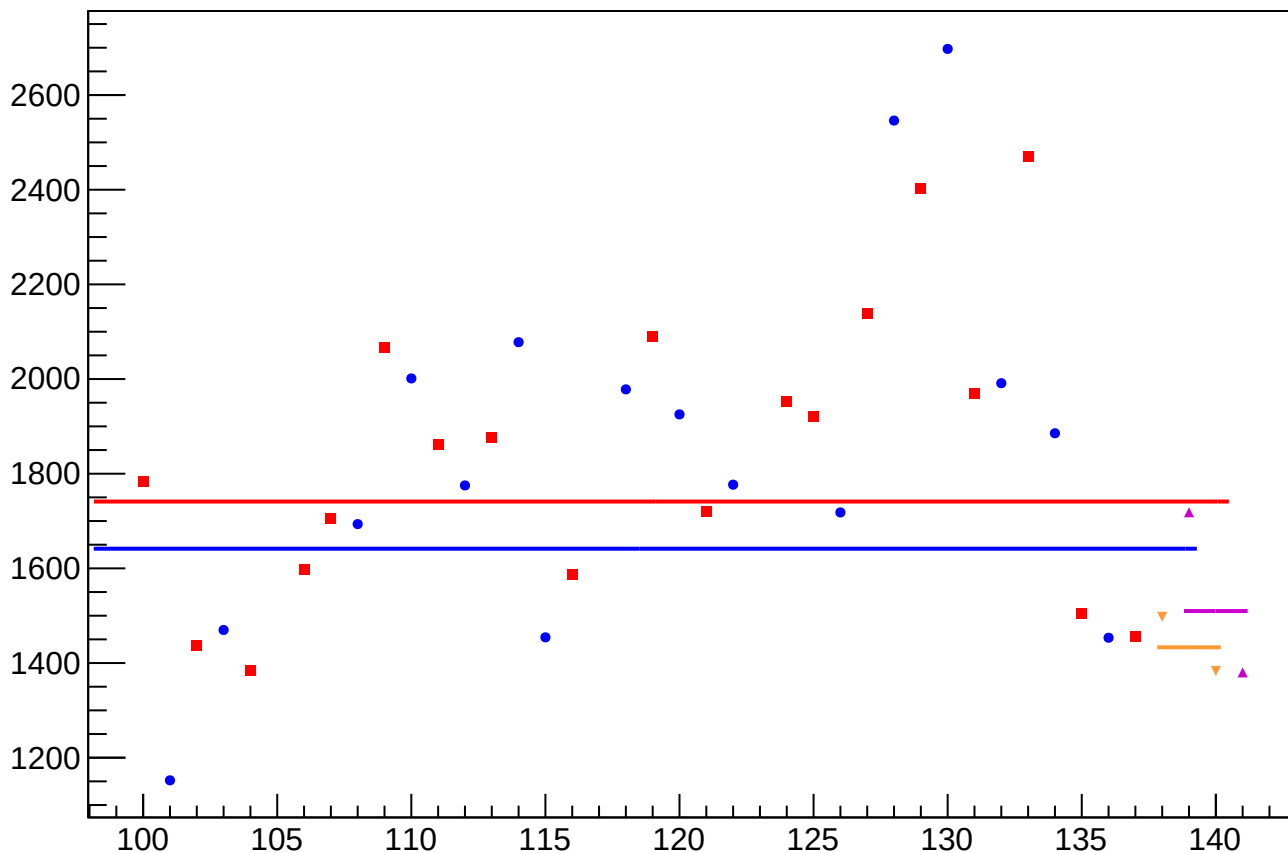
Left In: 869.279+/-1157.254 χ^2/NDF : 0.2/1

+ sign 403.534+/-549.580 χ^2/NDF : 18.5/17

All: 581.352+/-394.039 χ^2/NDF : 33.9/38

- sign 769.462+/-565.261 χ^2/NDF : 15.2/20

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF : 701311.4/15

Left Out: 1433.238+/-0.803 χ^2/NDF : 5000.0/1

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

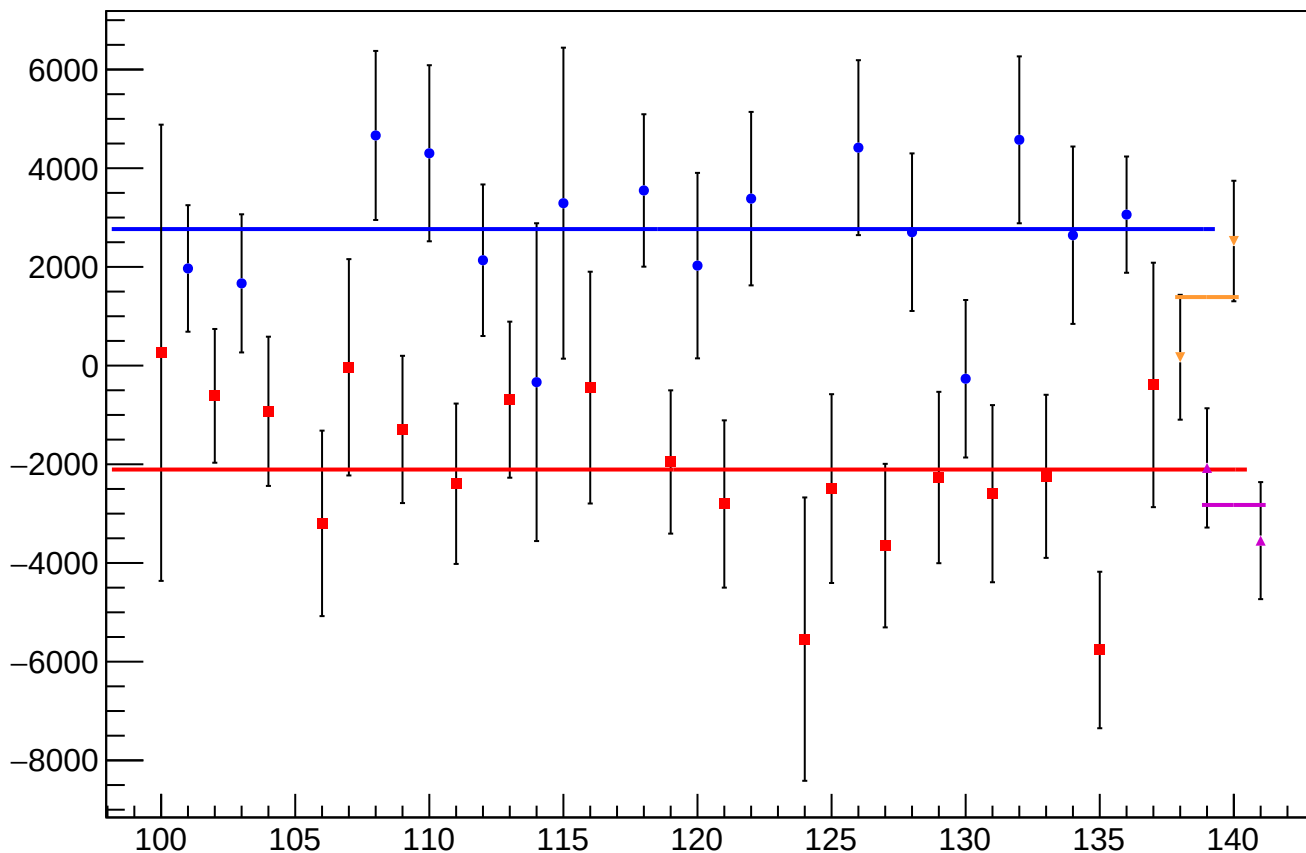
Left In: 1509.824+/-0.818 χ^2/NDF : 40383.6/1

+ sign 1592.733+/-0.389 χ^2/NDF : 757855.2/17

All: 1638.054+/-0.279 χ^2/NDF : 1325437.8/38

- sign 1685.998+/-0.400 χ^2/NDF : 539594.0/20

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF : 10.3/15

Left Out: 1388.732+/-878.593 χ^2/NDF : 1.8/1

Right Out: -2106.360+/-405.586 χ^2/NDF : 13.4/18

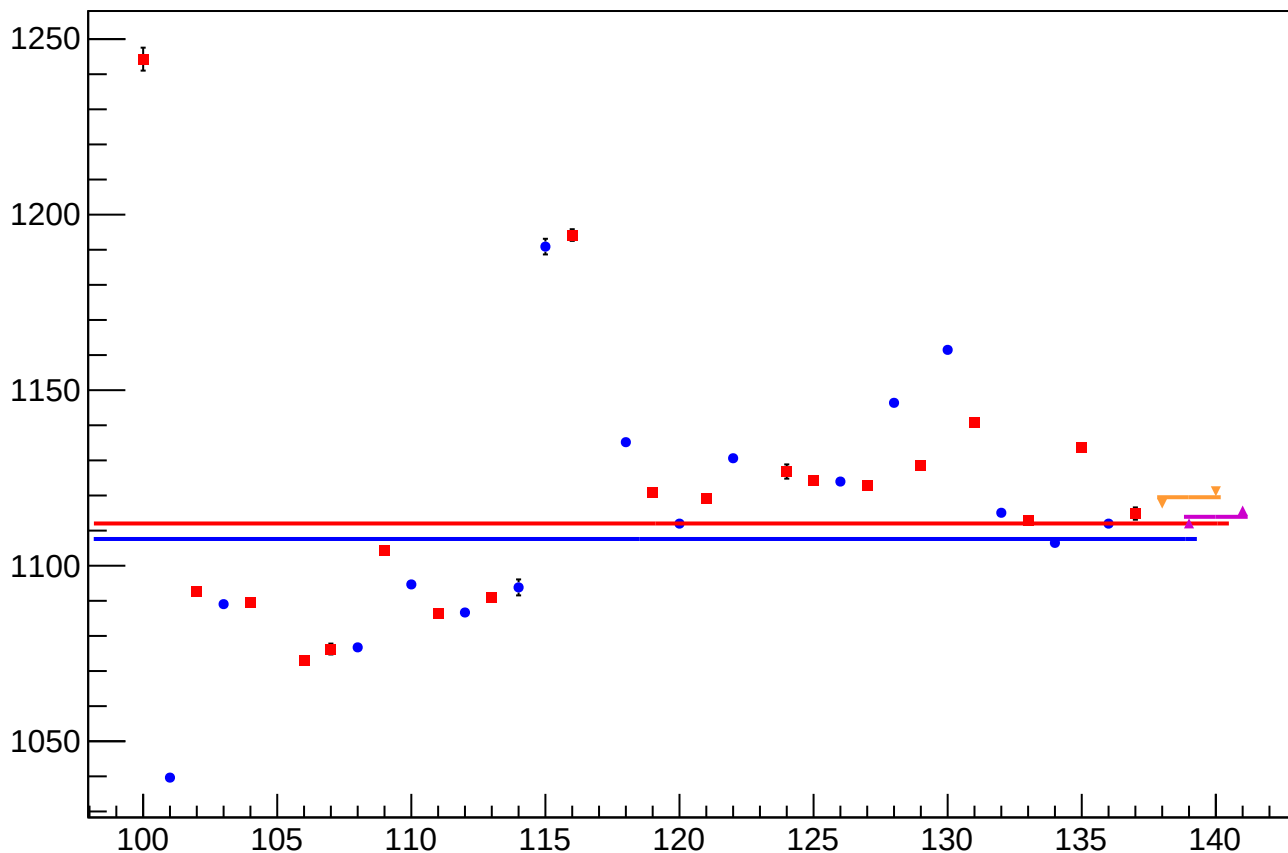
Left In: -2824.231+/-846.546 χ^2/NDF : 0.8/1

+ sign 2518.705+/-372.699 χ^2/NDF : 14.1/17

All: 94.531+/-261.054 χ^2/NDF : 111.9/38

- sign -2240.379+/-365.772 χ^2/NDF : 14.7/20

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF : 13220.7/15

Left Out: 1119.510+/-0.621 χ^2/NDF : 7.8/1

Right Out: 1112.029+/-0.287 χ^2/NDF : 8653.5/18

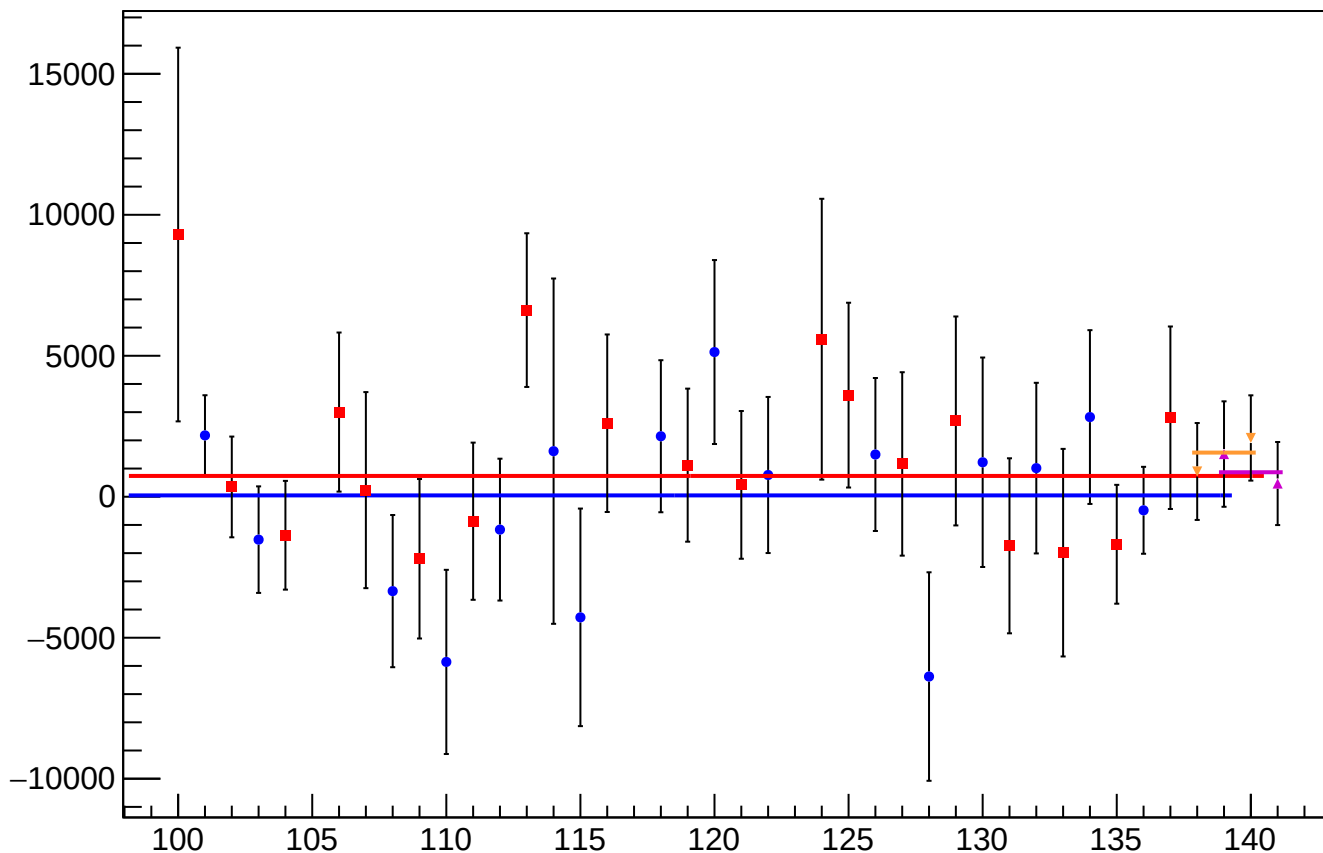
Left In: 1113.927+/-0.599 χ^2/NDF : 9.3/1

+ sign 1109.754+/-0.264 χ^2/NDF : 13529.2/17

All: 1111.093+/-0.185 χ^2/NDF : 22250.9/38

- sign 1112.383+/-0.259 χ^2/NDF : 8671.0/20

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF : 16.9/15

Left Out: 1566.025+/-1135.390 χ^2/NDF : 0.3/1

Right Out: 738.188+/-647.795 χ^2/NDF : 14.9/18

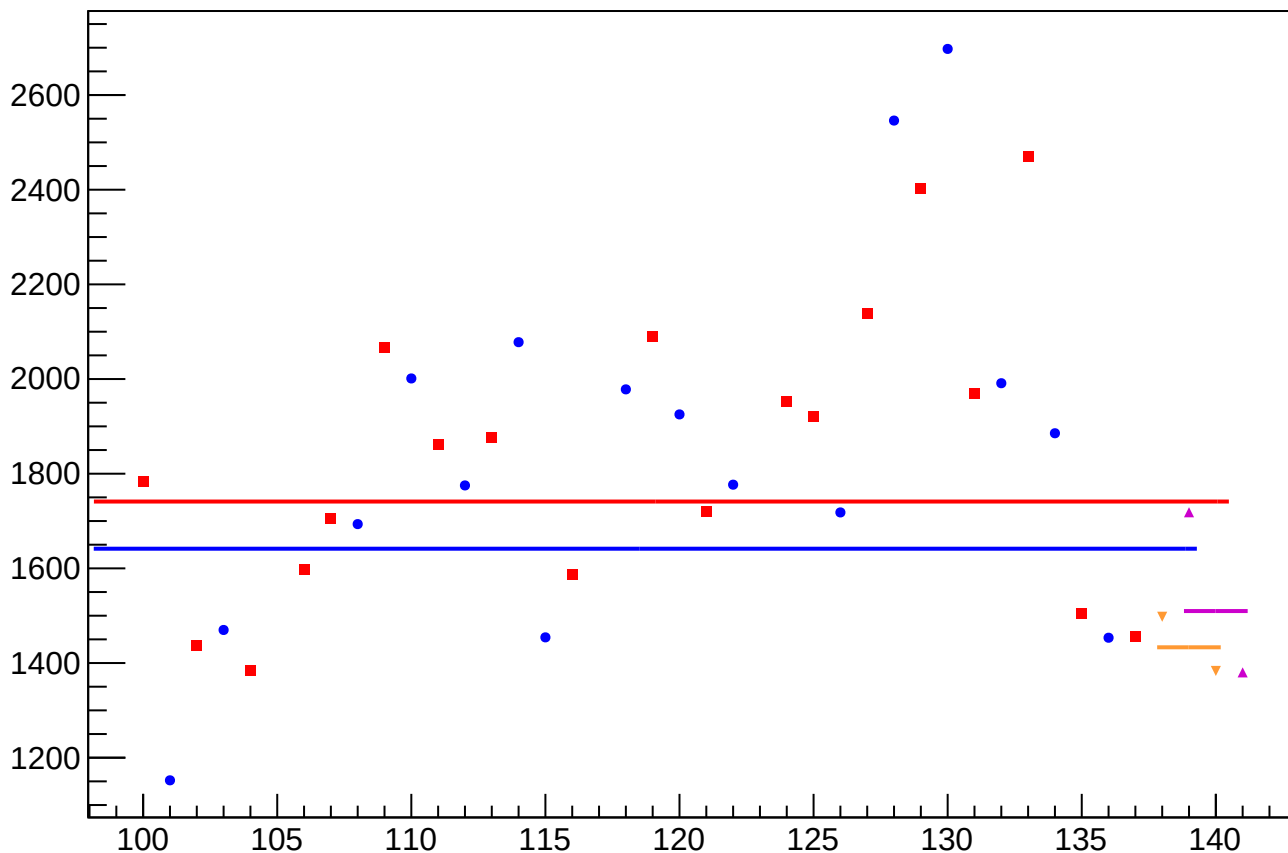
Left In: 869.282+/-1157.257 χ^2/NDF : 0.2/1

+ sign 403.529+/-549.579 χ^2/NDF : 18.5/17

All: 581.350+/-394.038 χ^2/NDF : 33.9/38

- sign 769.465+/-565.261 χ^2/NDF : 15.2/20

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF : 701299.1/15

Left Out: 1433.243+/-0.803 χ^2/NDF : 5000.3/1

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

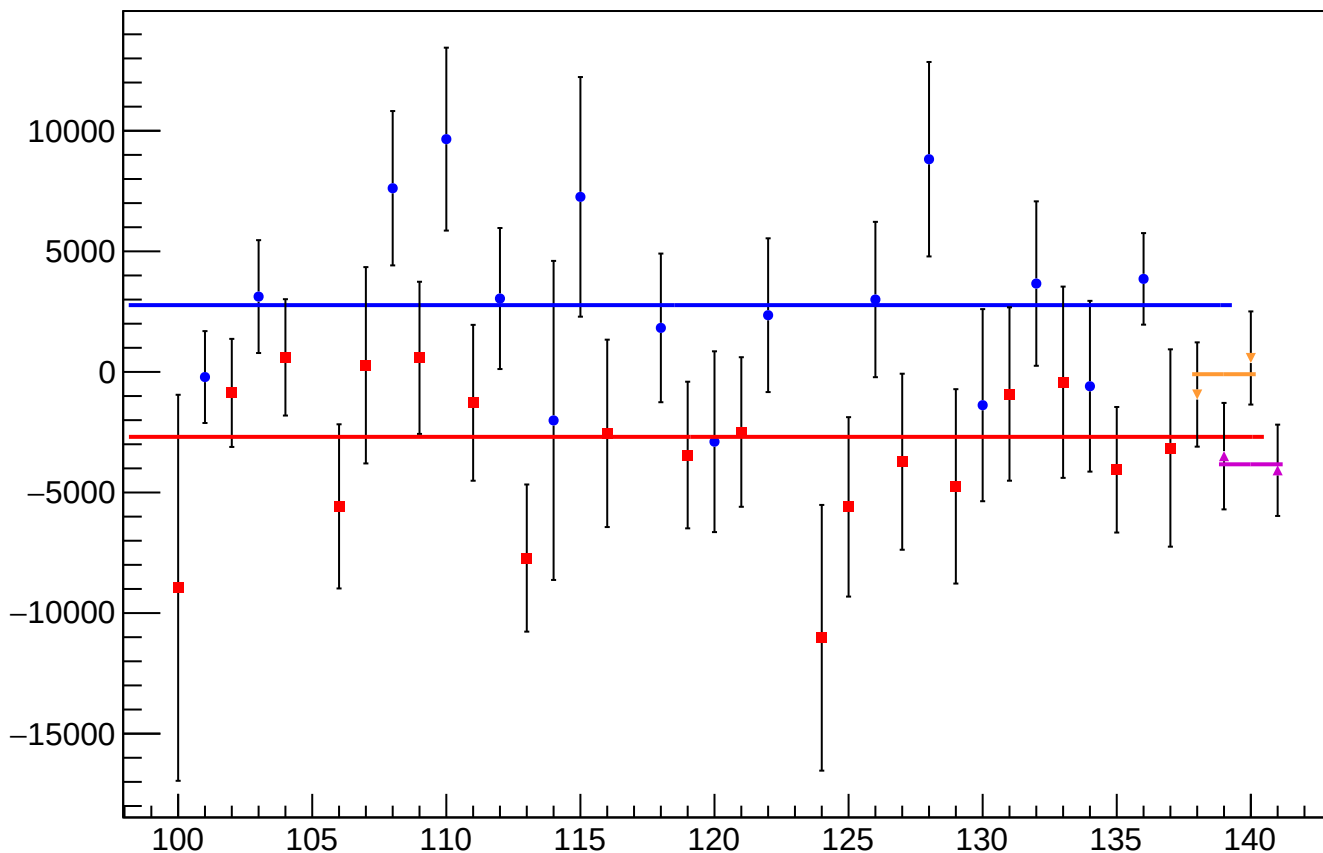
Left In: 1509.828+/-0.818 χ^2/NDF : 40384.7/1

+ sign 1592.733+/-0.389 χ^2/NDF : 757839.9/17

All: 1638.054+/-0.279 χ^2/NDF : 1325408.5/38

- sign 1685.998+/-0.400 χ^2/NDF : 539579.7/20

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

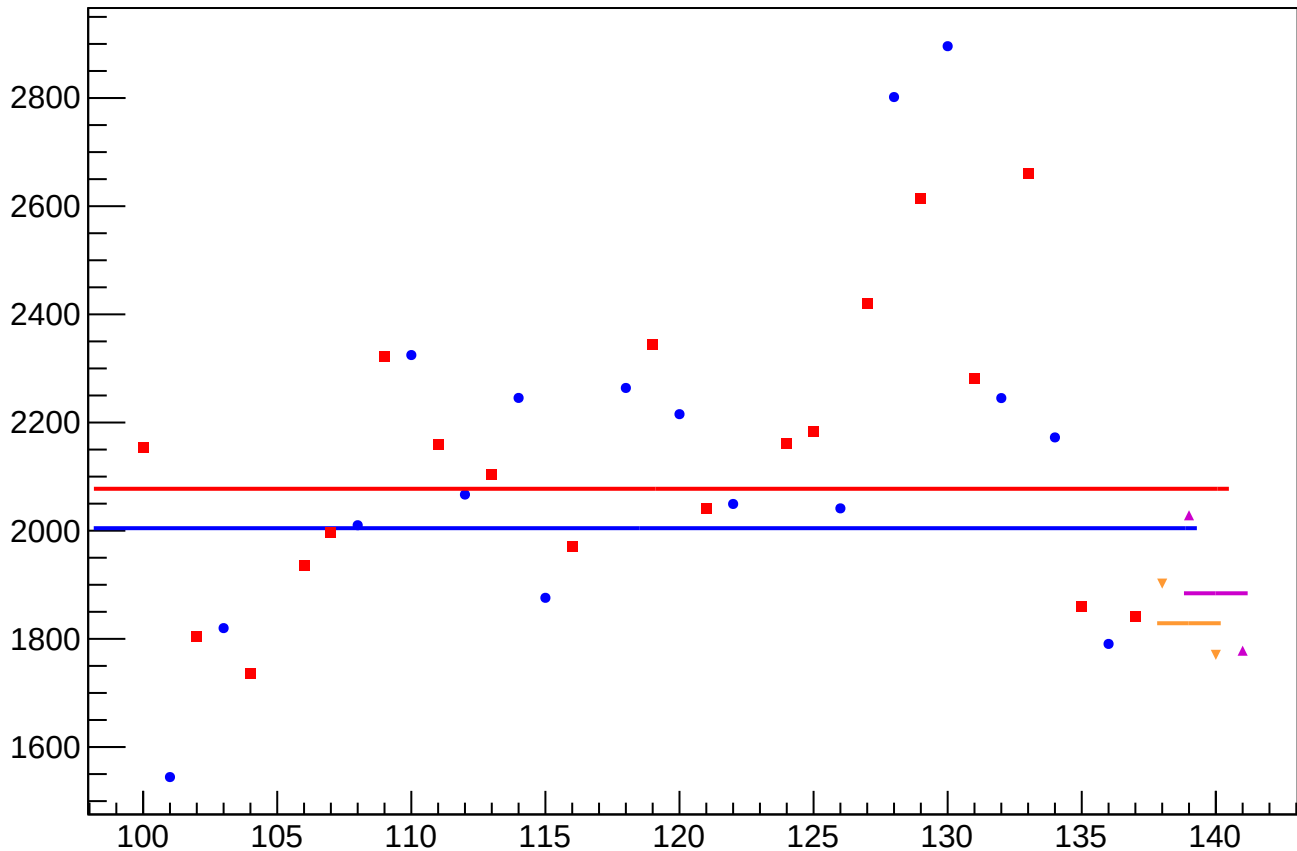
Left In: -3830.829 $\pm$ 1437.152 χ^2 /NDF: 0.0/1

+ sign 2150.092 $\pm$ 670.197 χ^2 /NDF: 19.8/17

All: -375.879 $\pm$ 475.872 χ^2 /NDF: 61.5/38

- sign -2944.312 $\pm$ 675.807 χ^2 /NDF: 13.1/20

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF : 387567.3/15

Left Out: 1828.885+/-1.019 χ^2/NDF : 4125.4/1

Right Out: 2077.500+/-0.541 χ^2/NDF : 230482.0/18

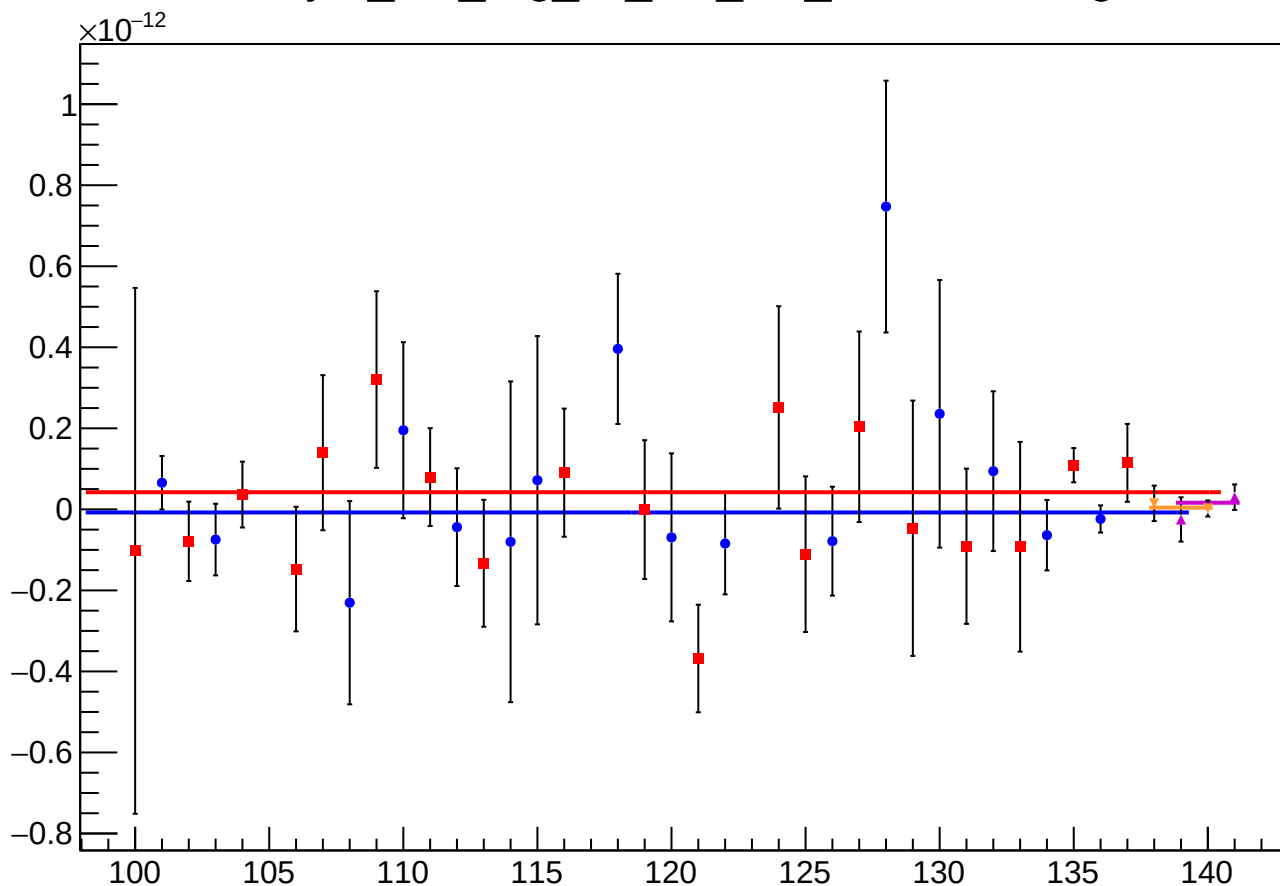
Left In: 1884.264+/-1.016 χ^2/NDF : 14823.6/1

+ sign 1966.601+/-0.474 χ^2/NDF : 415015.7/17

All: 2000.402+/-0.336 χ^2/NDF : 698743.7/38

- sign 2034.771+/-0.478 χ^2/NDF : 273468.0/20

asym_usr_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.8/18

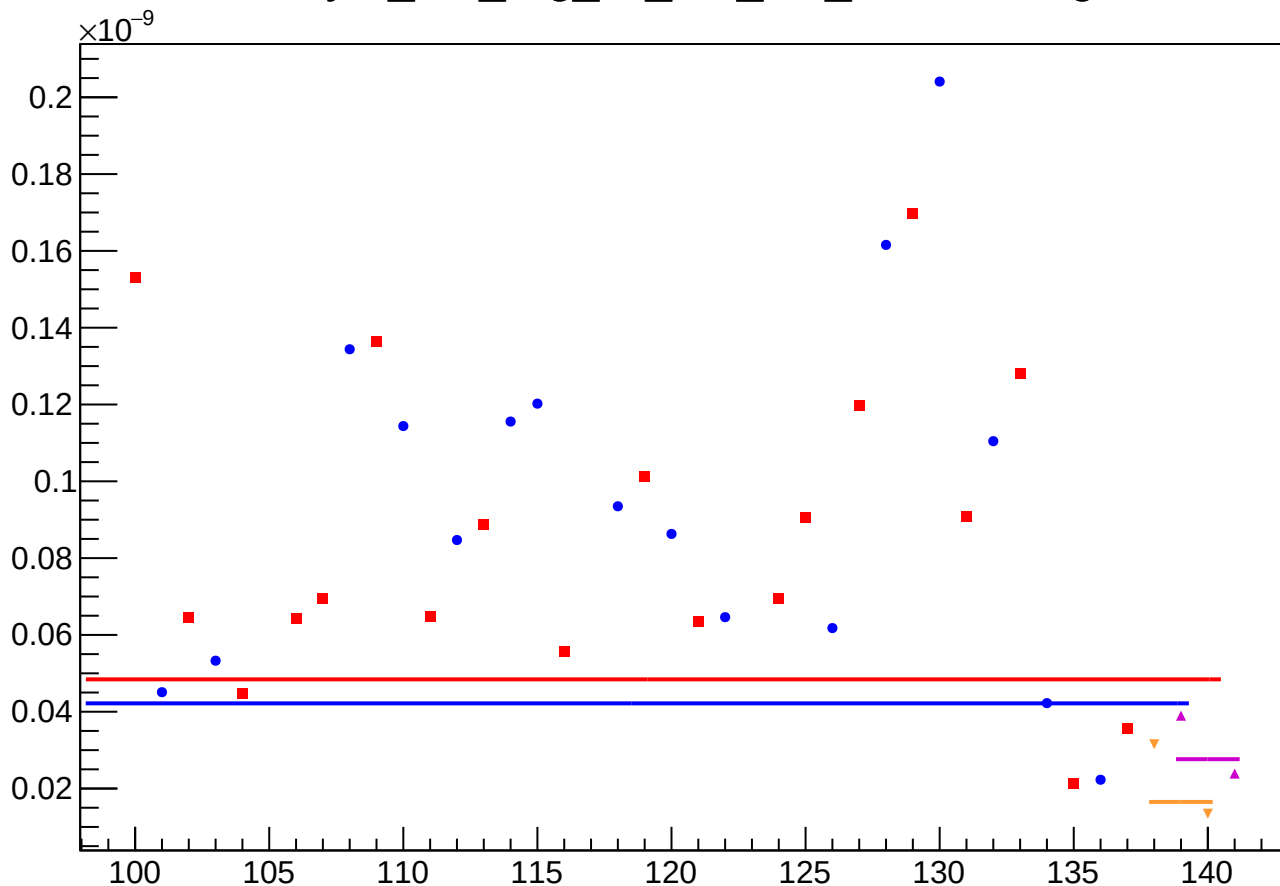
Left In: 0.000 ± 0.000 χ^2/NDF : 0.8/1

+ sign 0.000 ± 0.000 χ^2/NDF : 16.7/17

All: 0.000 ± 0.000 χ^2/NDF : 41.2/38

- sign 0.000 ± 0.000 χ^2/NDF : 23.0/20

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

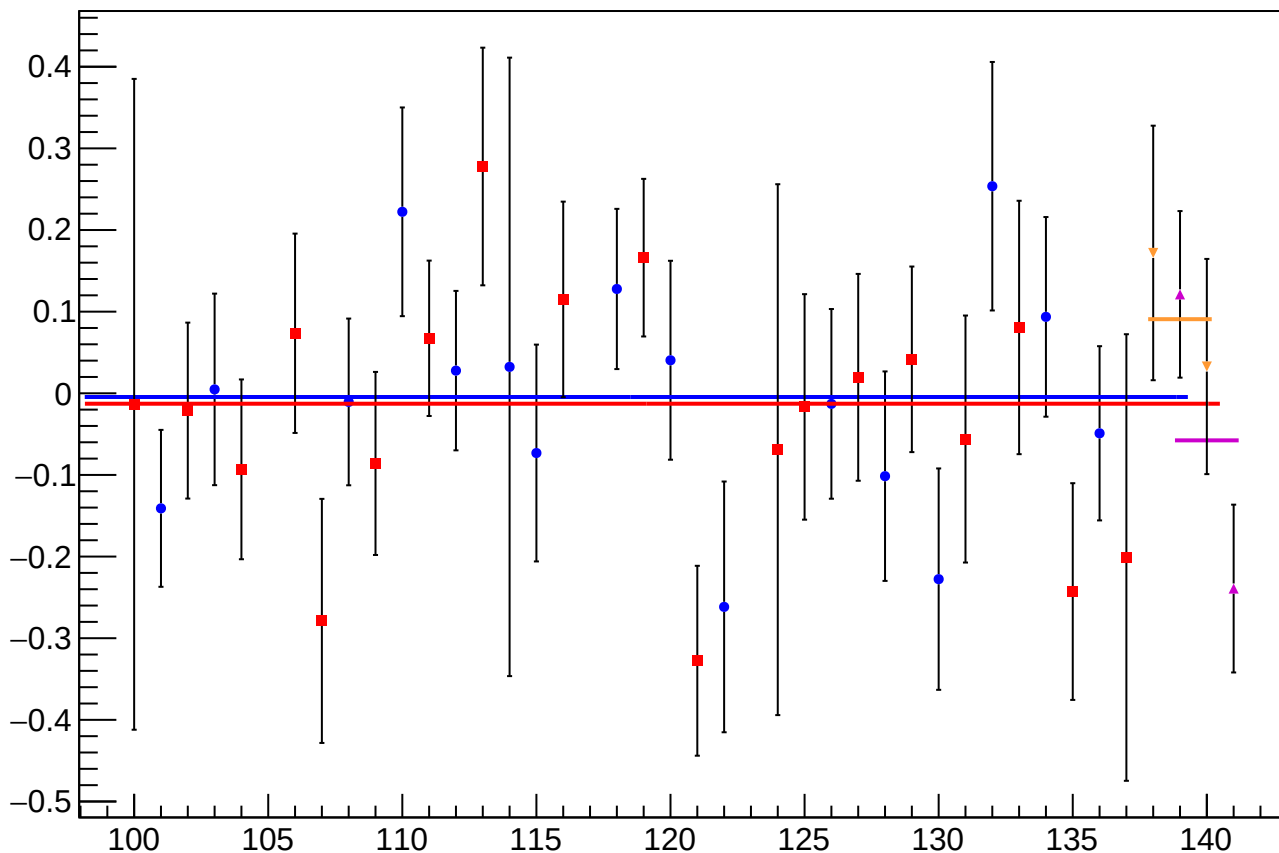
Left In: 0.000+/-0.000 χ^2/NDF : 113800.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 4657002.5/17

All: 0.000+/-0.000 χ^2/NDF : 8502302.8/38

- sign 0.000+/-0.000 χ^2/NDF : 3304295.7/20

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

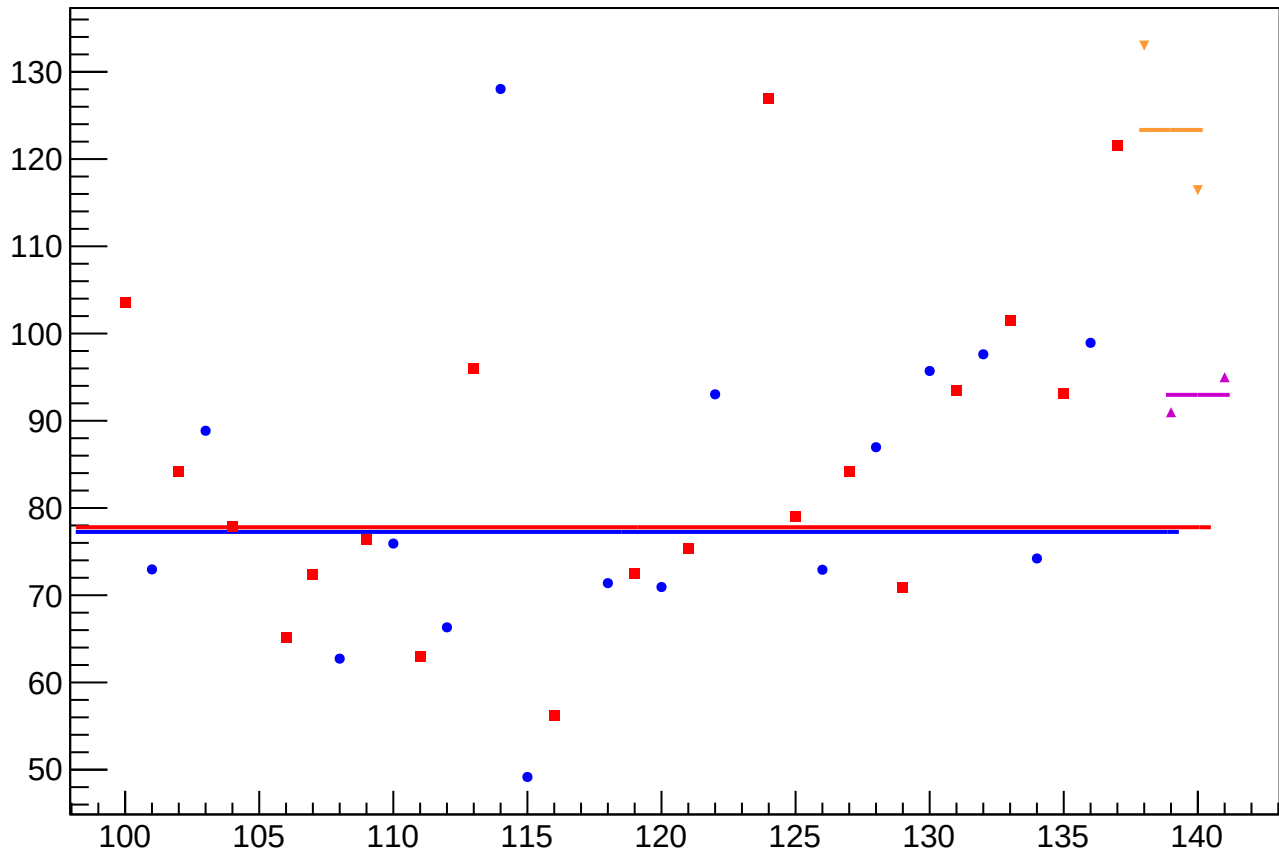
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: -0.009 ± 0.020 χ^2/NDF : 50.9/38

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

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

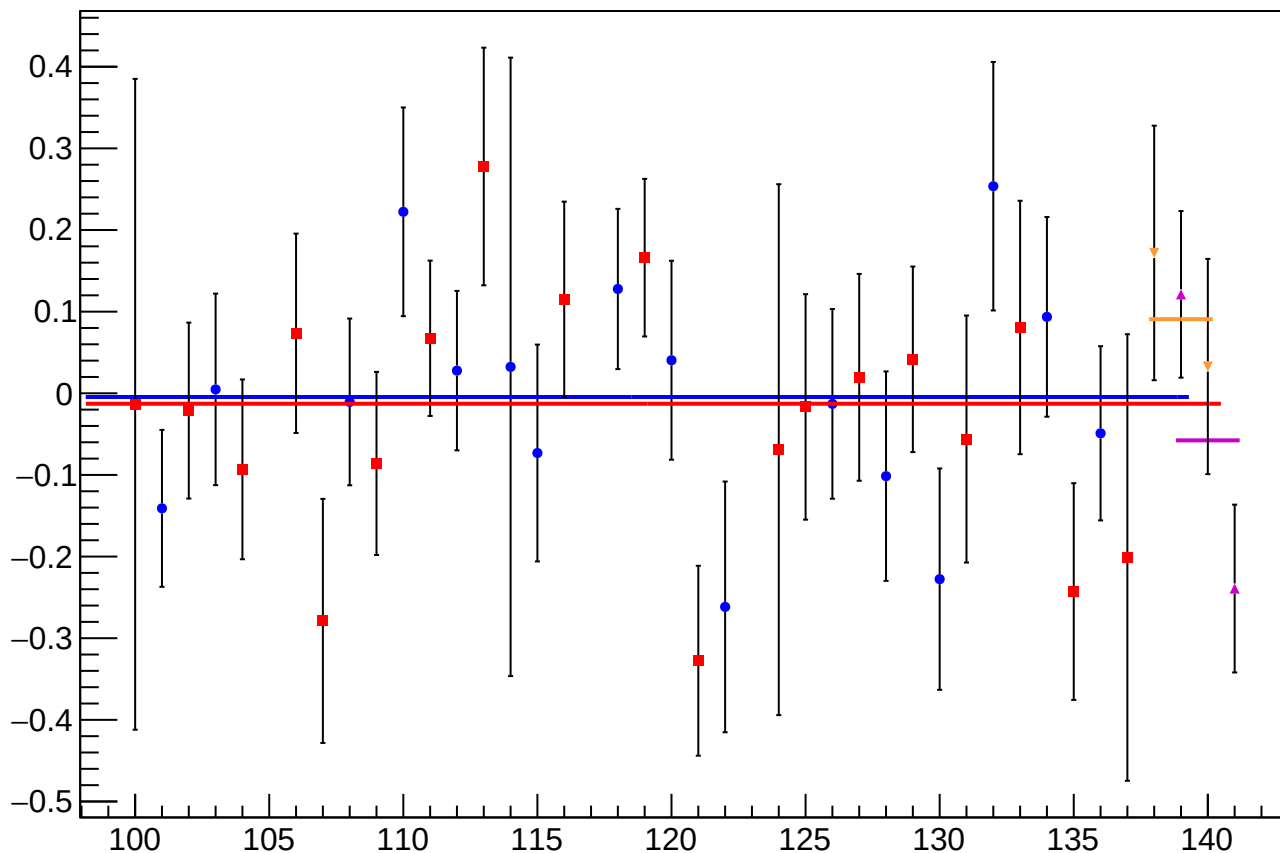
Left In: 92.971 $\pm$ 0.051 χ^2 /NDF:1535.6/1

+ sign 81.030 $\pm$ 0.020 χ^2 /NDF: 817405.6/17

All: 80.483 $\pm$ 0.014 χ^2 /NDF: 1291976.0/38

- sign 79.985 $\pm$ 0.019 χ^2 /NDF: 473191.2/20

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

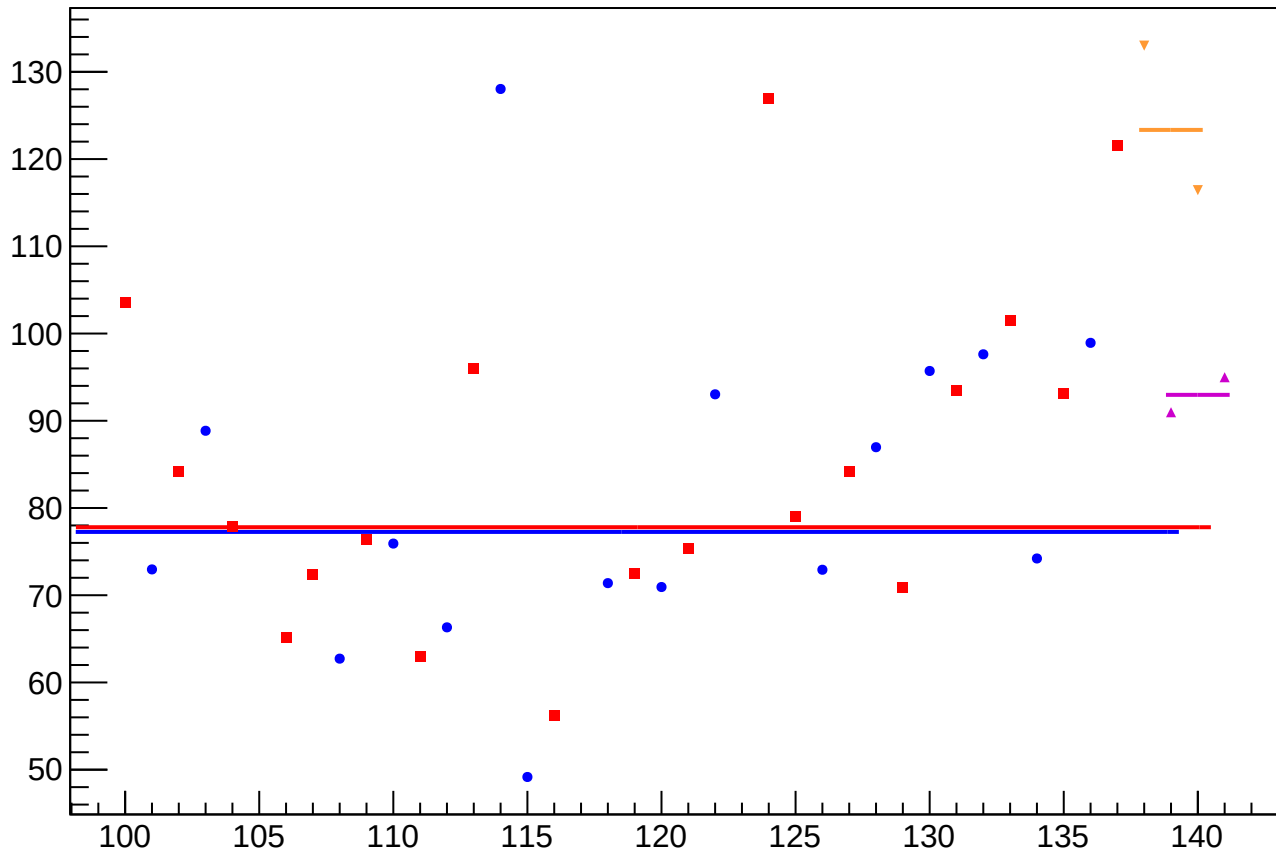
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: -0.009 ± 0.020 χ^2/NDF : 50.9/38

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2 /NDF: 419290.2/15

Left Out: 123.343+/-0.071 χ^2 /NDF:13172.3/1

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

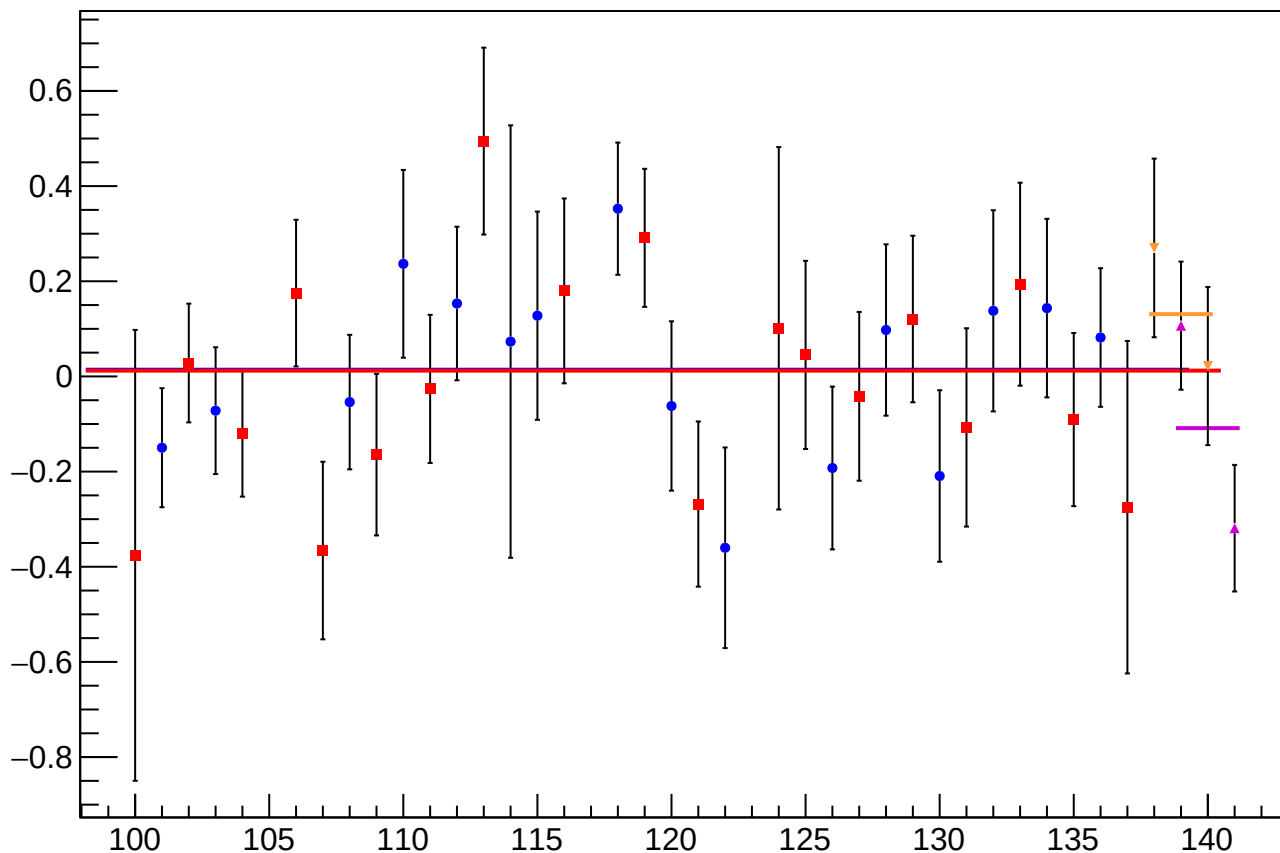
Left In: 92.971+/-0.051 χ^2 /NDF:1535.6/1

+ sign 81.030+/-0.020 χ^2 /NDF: 817405.6/17

All: 80.483+/-0.014 χ^2 /NDF: 1291976.0/38

- sign 79.985+/-0.019 χ^2 /NDF: 473191.2/20

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

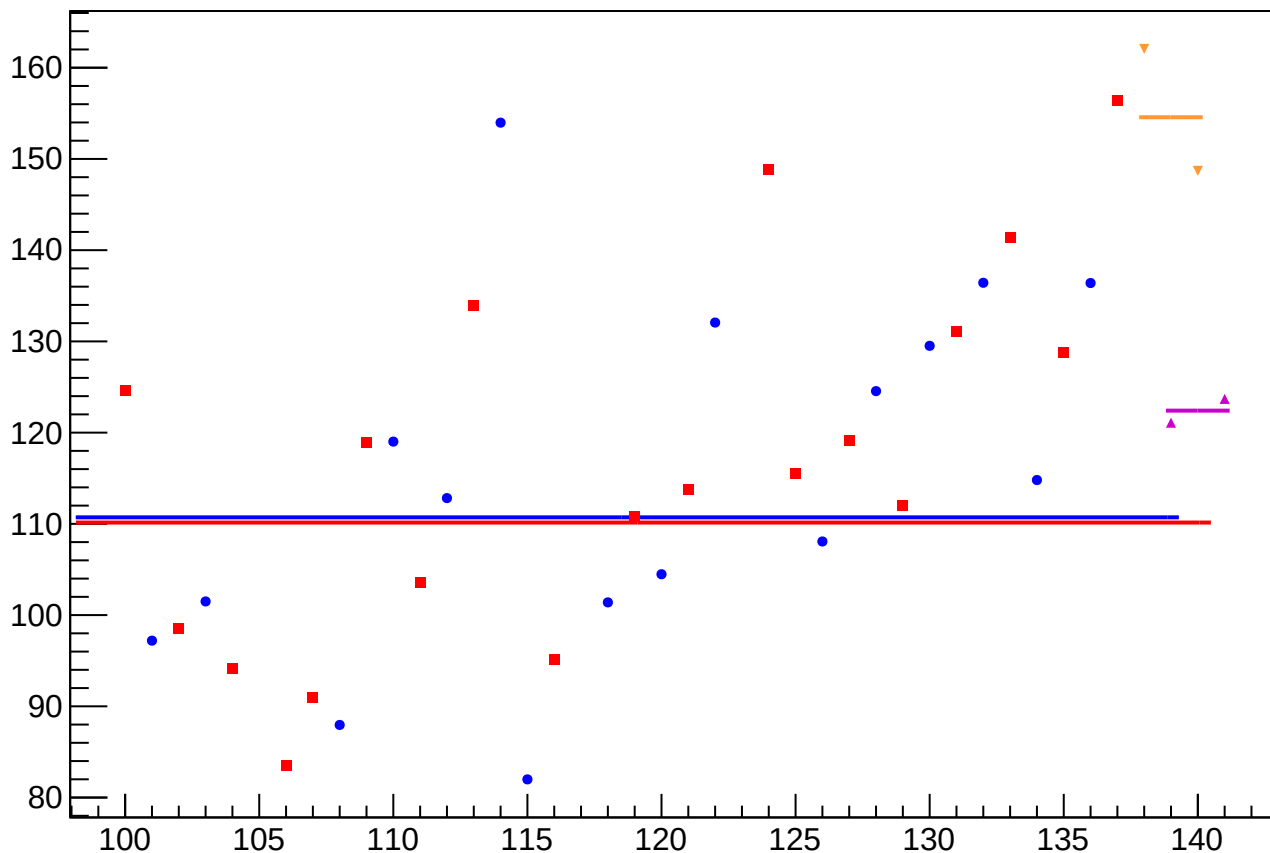
Left In: -0.109 $\pm$ 0.095 χ^2 /NDF: 5.1/1

+ sign 0.026 $\pm$ 0.040 χ^2 /NDF: 20.0/17

All: 0.009 $\pm$ 0.028 χ^2 /NDF: 50.5/38

- sign -0.007 $\pm$ 0.038 χ^2 /NDF: 30.2/20

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714 $\pm$ 0.030 χ^2 /NDF: 299972.8/15

Left Out: 154.570 $\pm$ 0.088 χ^2 /NDF: 5685.5/1

Right Out: 110.145 $\pm$ 0.029 χ^2 /NDF: 326726.5/18

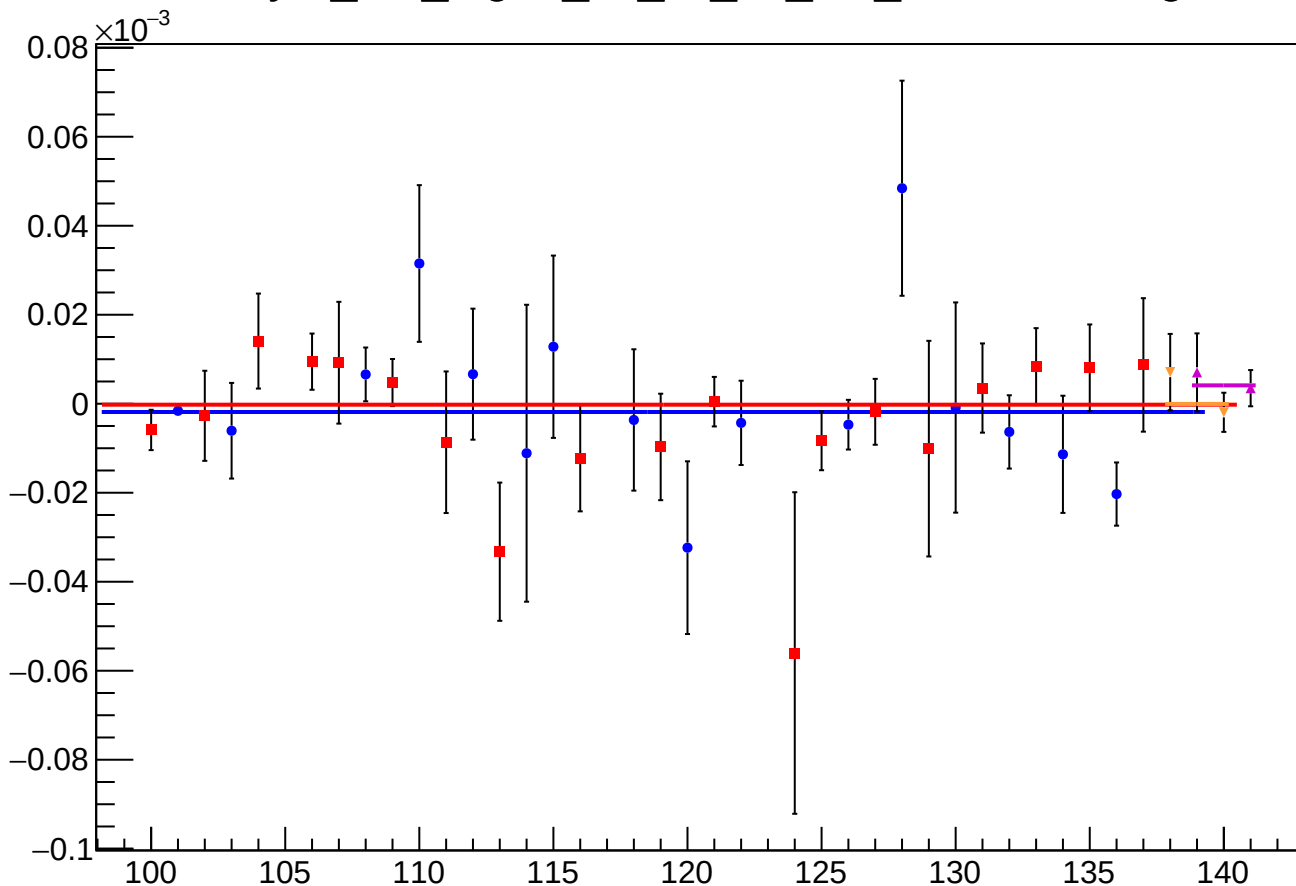
Left In: 122.412 $\pm$ 0.067 χ^2 /NDF: 380.0/1

+ sign 115.251 $\pm$ 0.028 χ^2 /NDF: 528366.3/17

All: 113.593 $\pm$ 0.019 χ^2 /NDF: 890212.0/38

- sign 112.109 $\pm$ 0.027 χ^2 /NDF: 355338.8/20

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.9/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

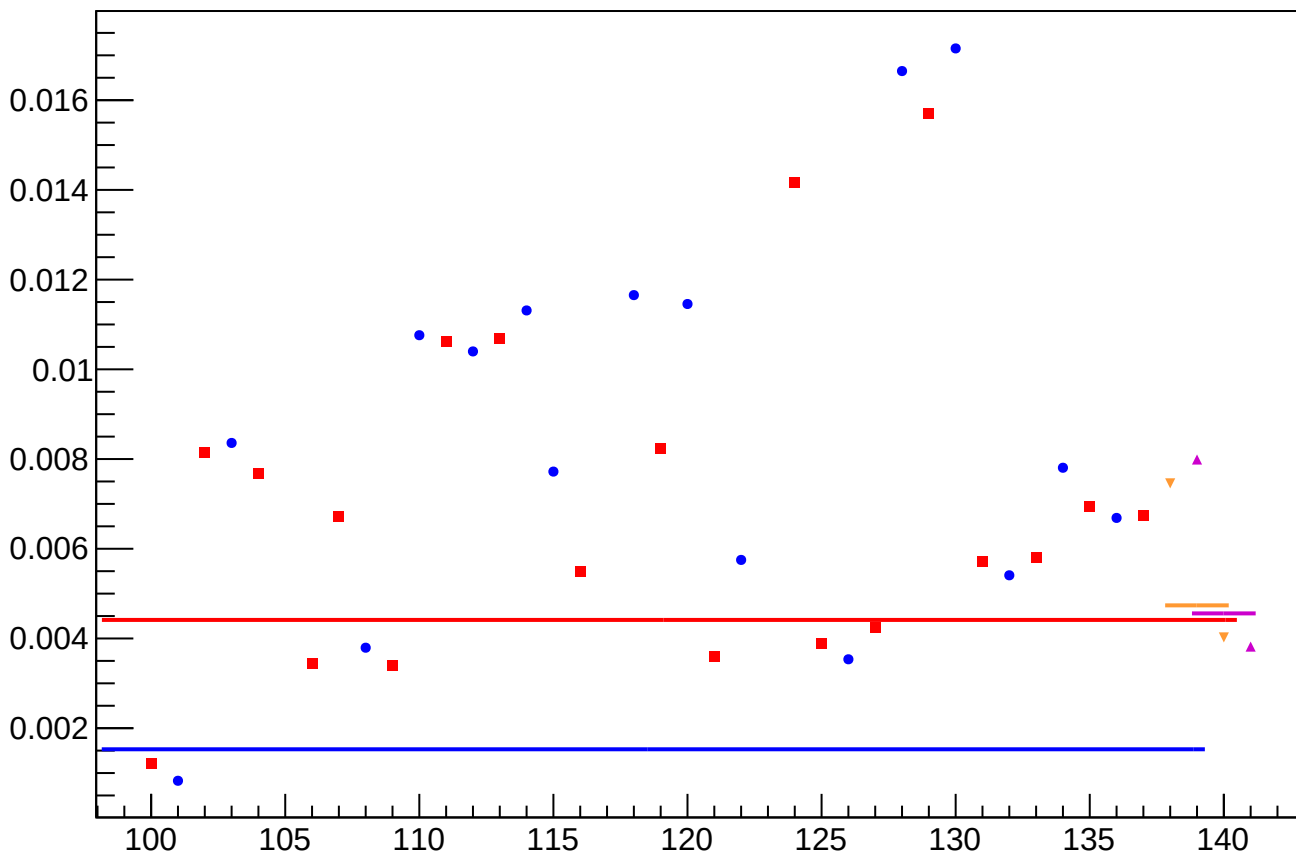
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.5/17

All: -0.000 ± 0.000 χ^2/NDF : 45.2/38

- sign 0.000 ± 0.000 χ^2/NDF : 21.1/20

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9222940.9/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 253818.6/1

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3388069.5/18

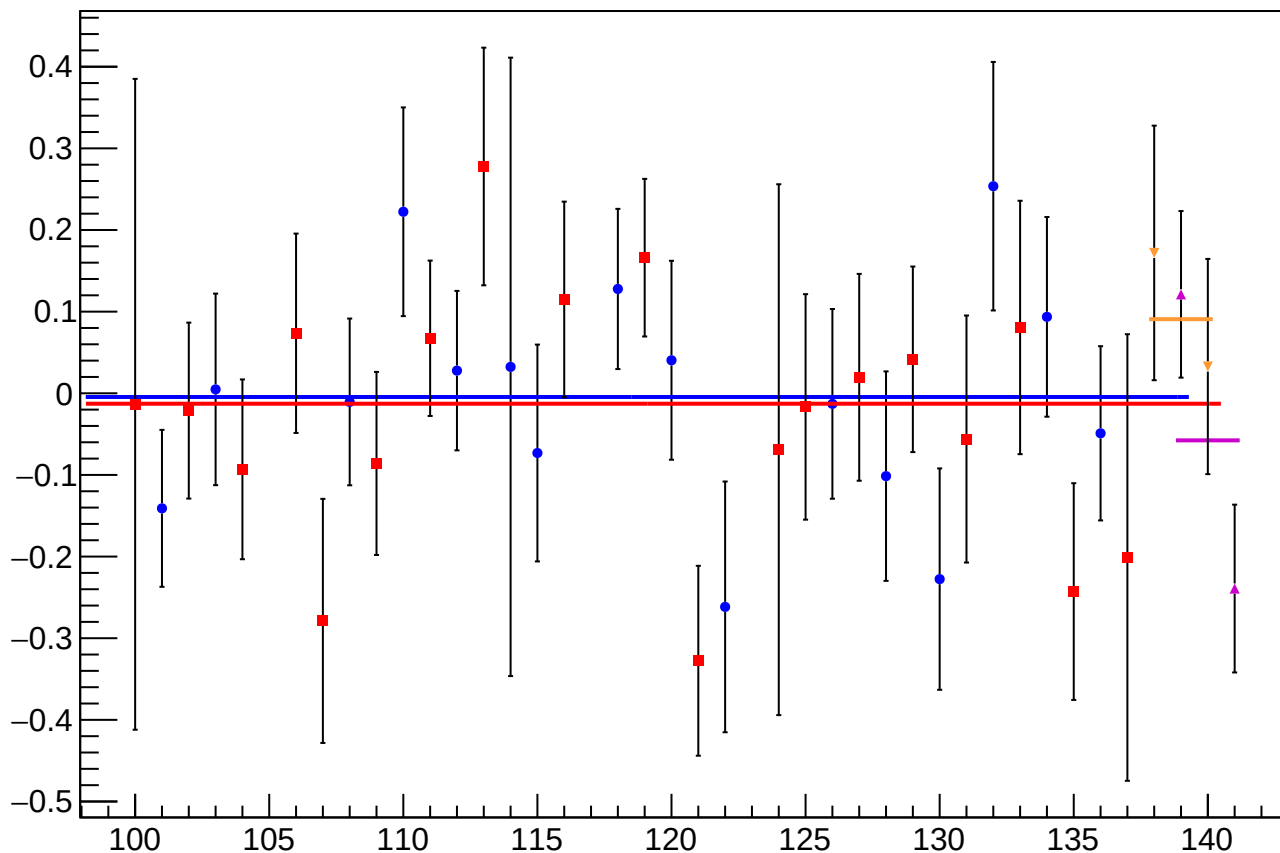
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 372838.7/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10743019.1/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 18417171.6/38

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3763350.7/20

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.091 ± 0.101 χ^2/NDF : 0.5/1

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

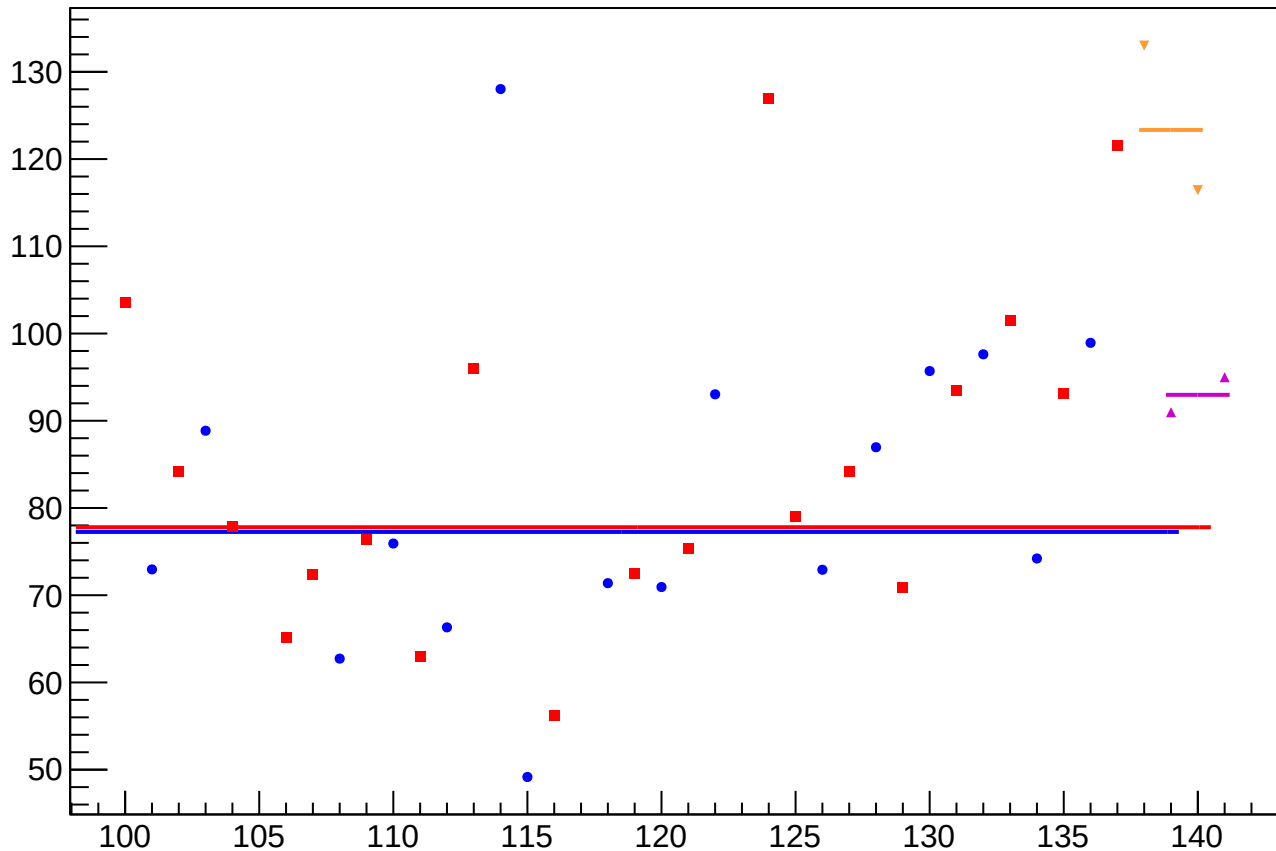
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: -0.009 ± 0.020 χ^2/NDF : 50.9/38

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257 $\pm$ 0.021 χ^2 /NDF: 419276.8/15

Left Out: 123.344 $\pm$ 0.071 χ^2 /NDF:13173.5/1

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

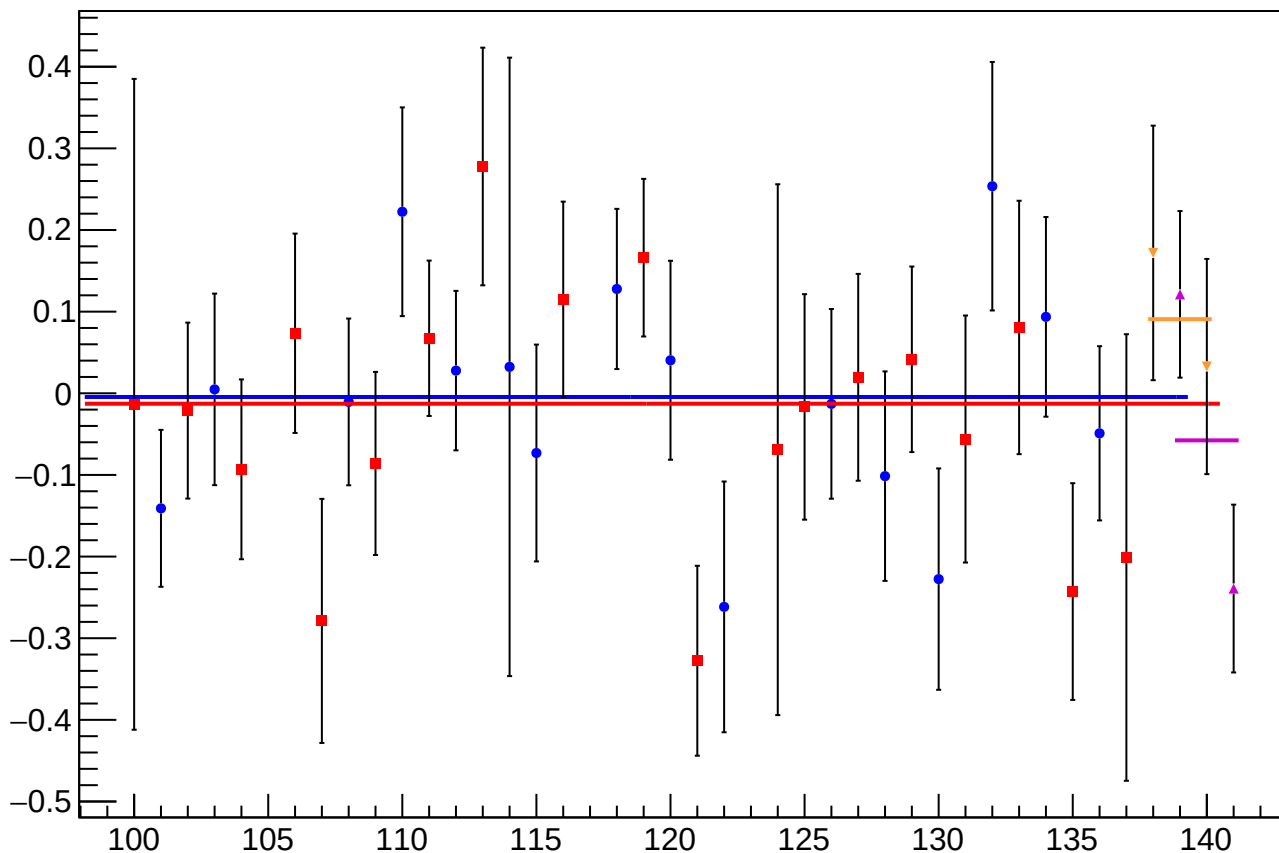
Left In: 92.971 $\pm$ 0.051 χ^2 /NDF:1534.1/1

+ sign 81.029 $\pm$ 0.020 χ^2 /NDF: 817422.9/17

All: 80.482 $\pm$ 0.014 χ^2 /NDF: 1292010.0/38

- sign 79.983 $\pm$ 0.019 χ^2 /NDF: 473208.5/20

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

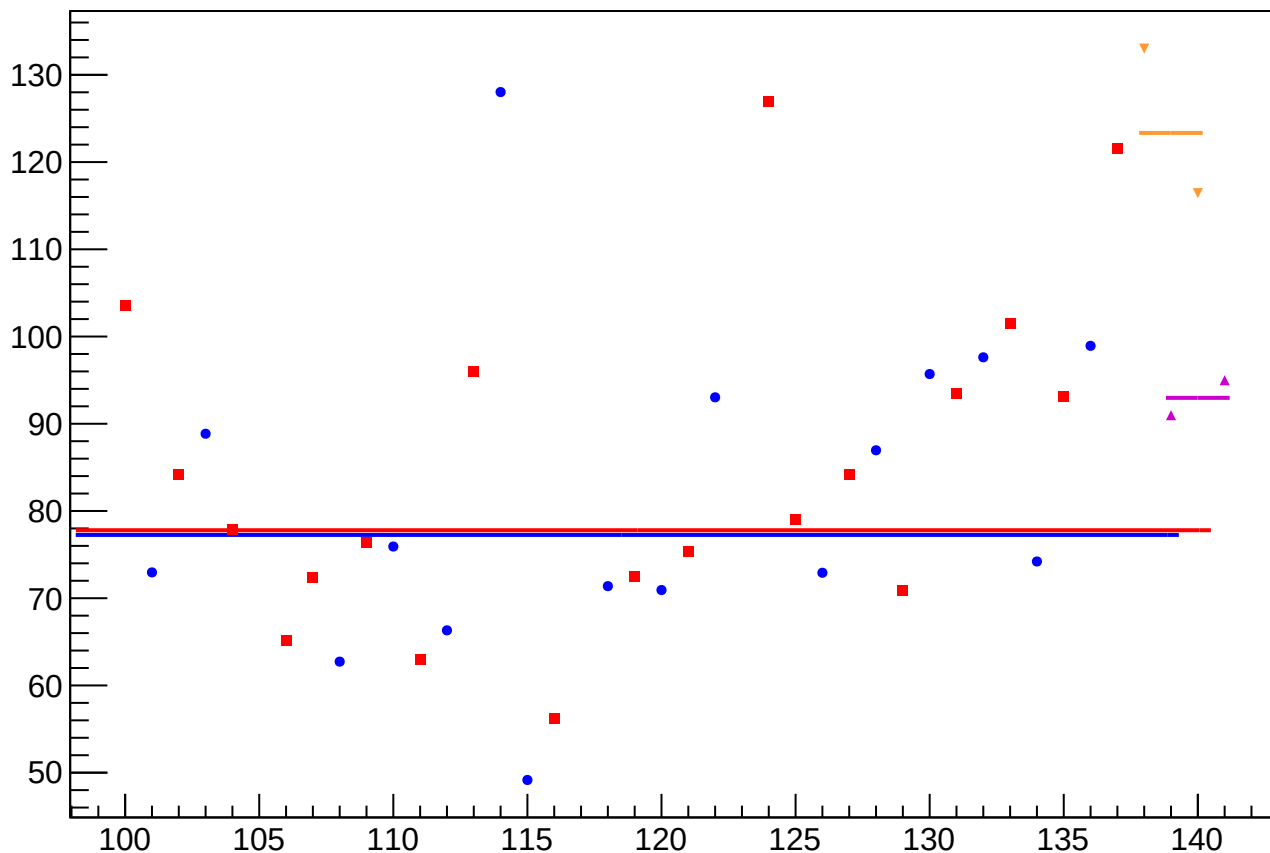
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.003 ± 0.029 χ^2/NDF : 18.6/17

All: -0.009 ± 0.020 χ^2/NDF : 50.9/38

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.257 $\pm$ 0.021 χ^2 /NDF: 419276.8/15

Left Out: 123.344 $\pm$ 0.071 χ^2 /NDF: 13173.5/1

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

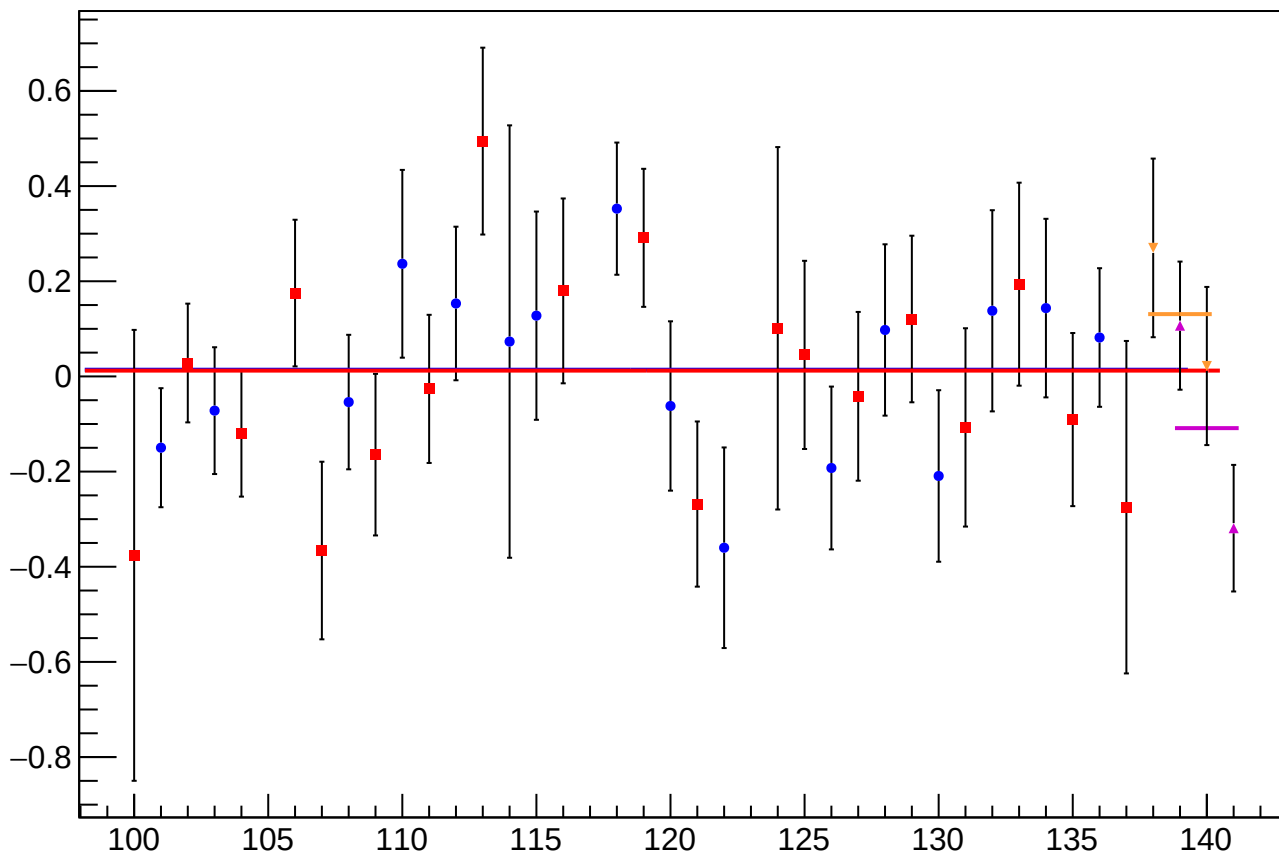
Left In: 92.971 $\pm$ 0.051 χ^2 /NDF: 1534.1/1

+ sign 81.029 $\pm$ 0.020 χ^2 /NDF: 817422.9/17

All: 80.482 $\pm$ 0.014 χ^2 /NDF: 1292010.0/38

- sign 79.983 $\pm$ 0.019 χ^2 /NDF: 473208.5/20

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

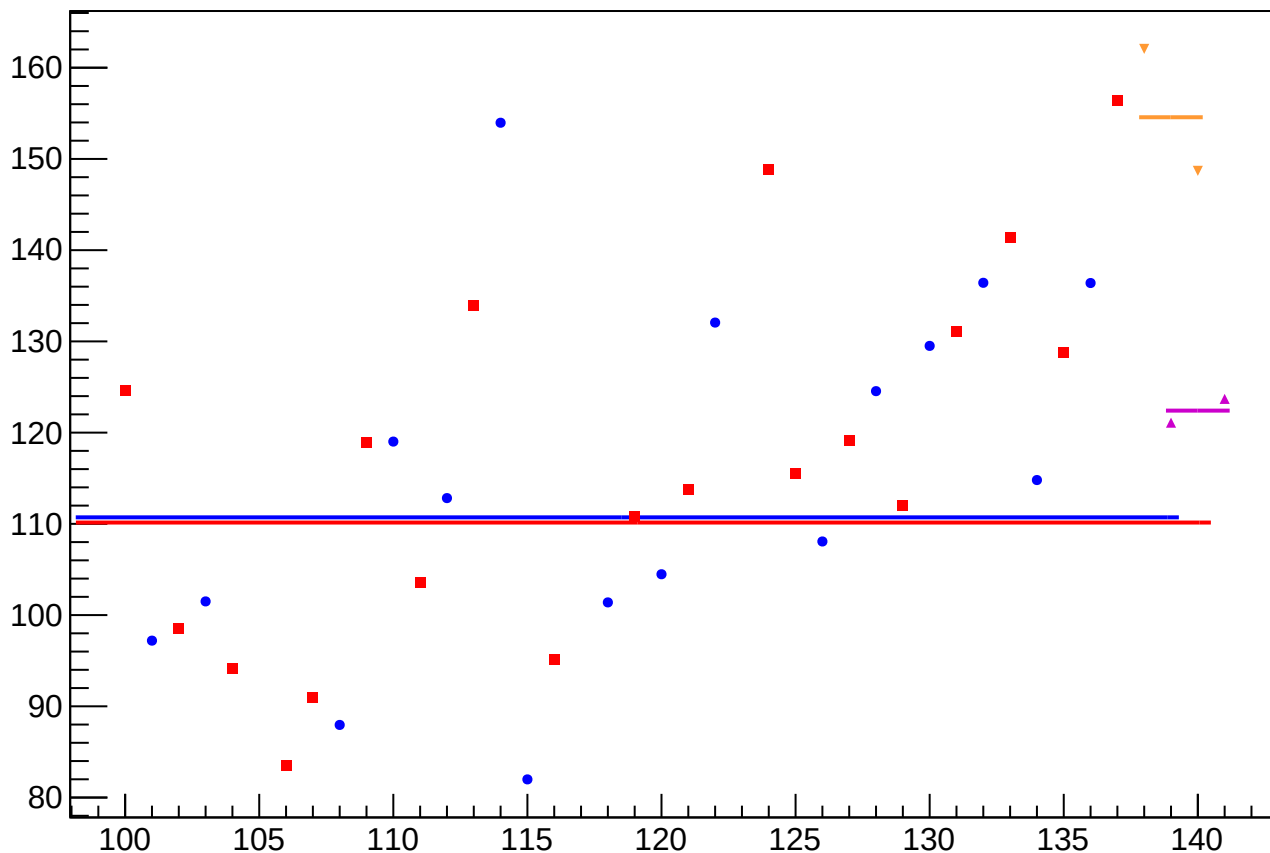
Left In: -0.109 $\pm$ 0.095 χ^2 /NDF: 5.1/1

+ sign 0.026 $\pm$ 0.040 χ^2 /NDF: 20.0/17

All: 0.009 $\pm$ 0.028 χ^2 /NDF: 50.5/38

- sign -0.007 $\pm$ 0.038 χ^2 /NDF: 30.2/20

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

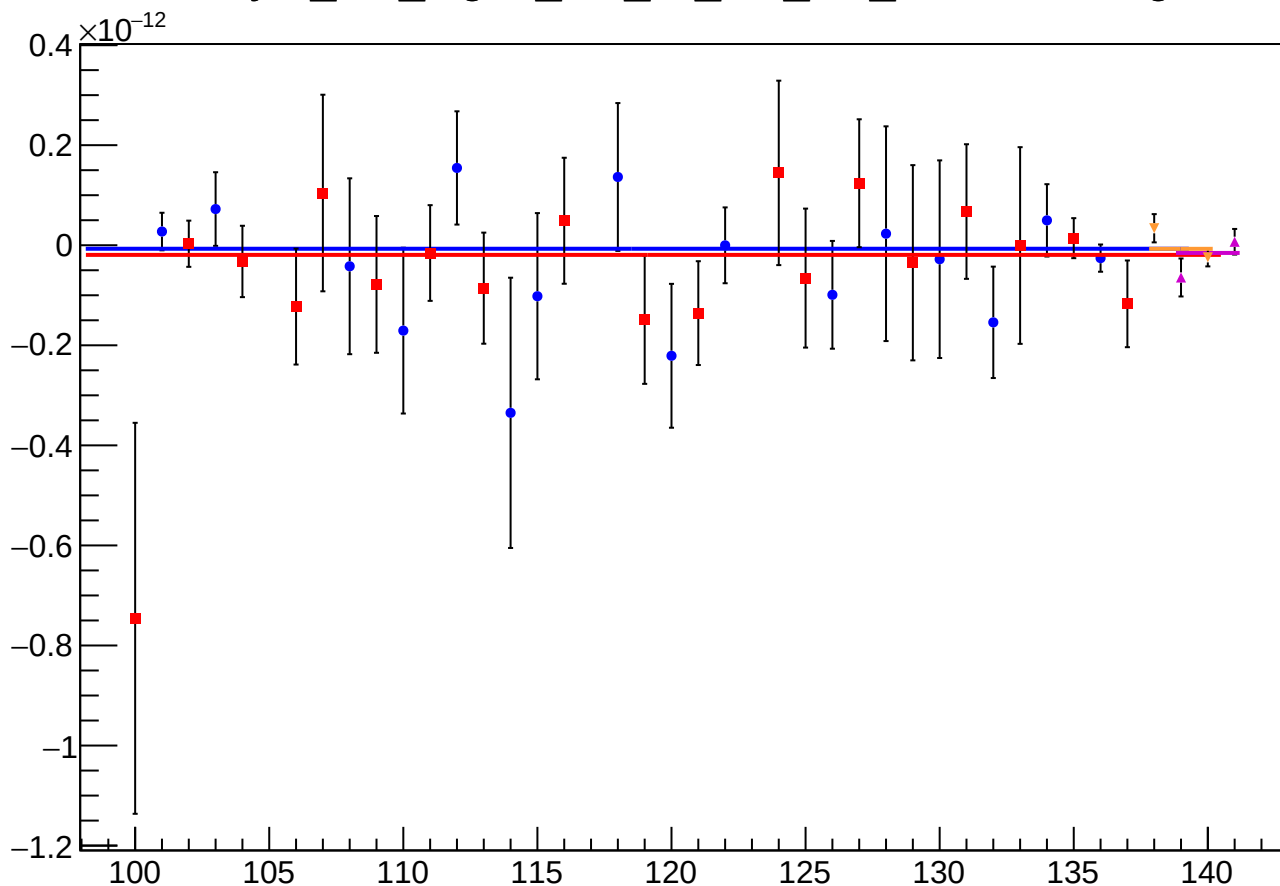
Left In: 122.413 $\pm$ 0.067 χ^2 /NDF: 379.5/1

+ sign 115.250 $\pm$ 0.028 χ^2 /NDF: 528351.2/17

All: 113.592 $\pm$ 0.019 χ^2 /NDF: 890171.6/38

- sign 112.108 $\pm$ 0.027 χ^2 /NDF: 355314.5/20

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

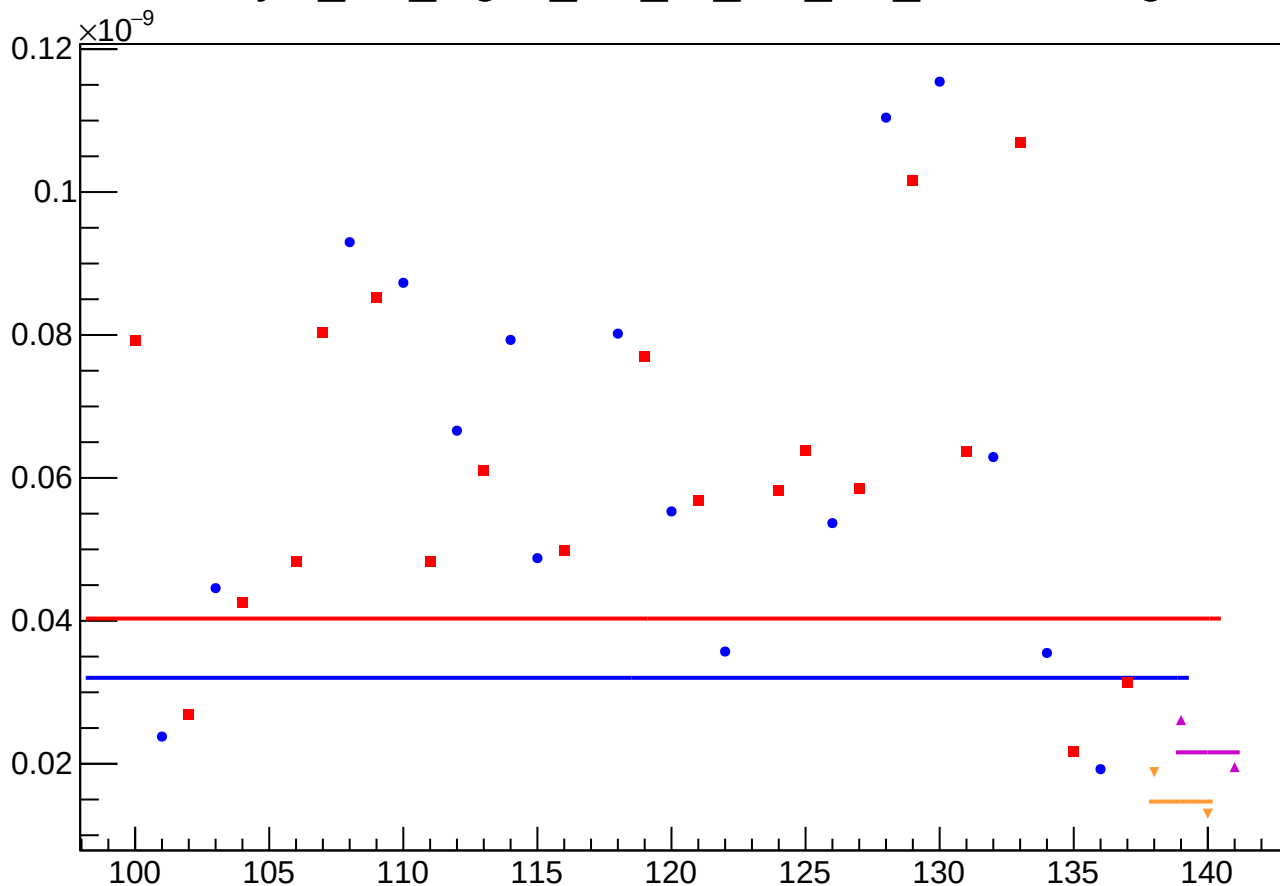
Left In: -0.000 ± 0.000 χ^2/NDF : 2.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 16.6/17

All: -0.000 ± 0.000 χ^2/NDF : 32.0/38

- sign -0.000 ± 0.000 χ^2/NDF : 15.0/20

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

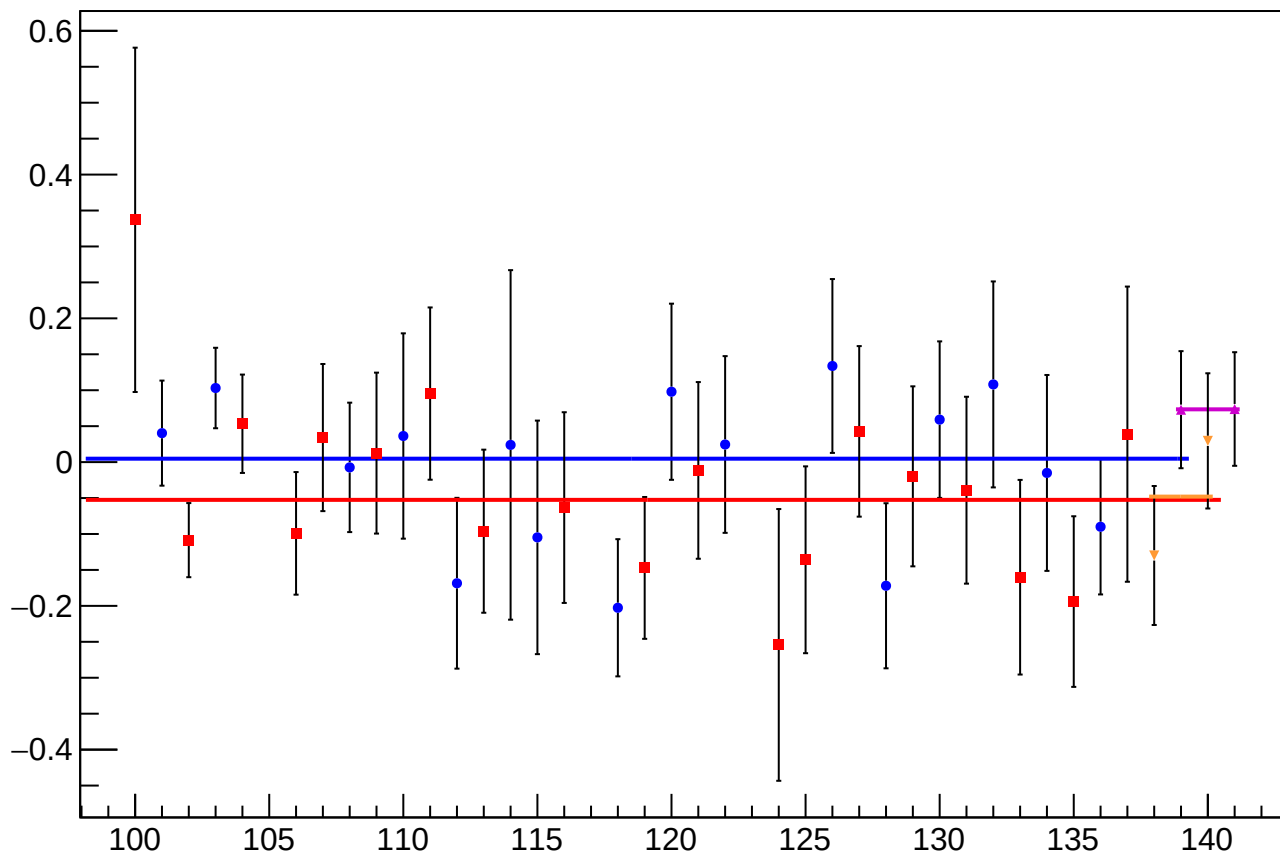
Left In: 0.000+/-0.000 χ^2/NDF : 41282.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 3602392.3/17

All: 0.000+/-0.000 χ^2/NDF : 6744696.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2689306.0/20

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 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

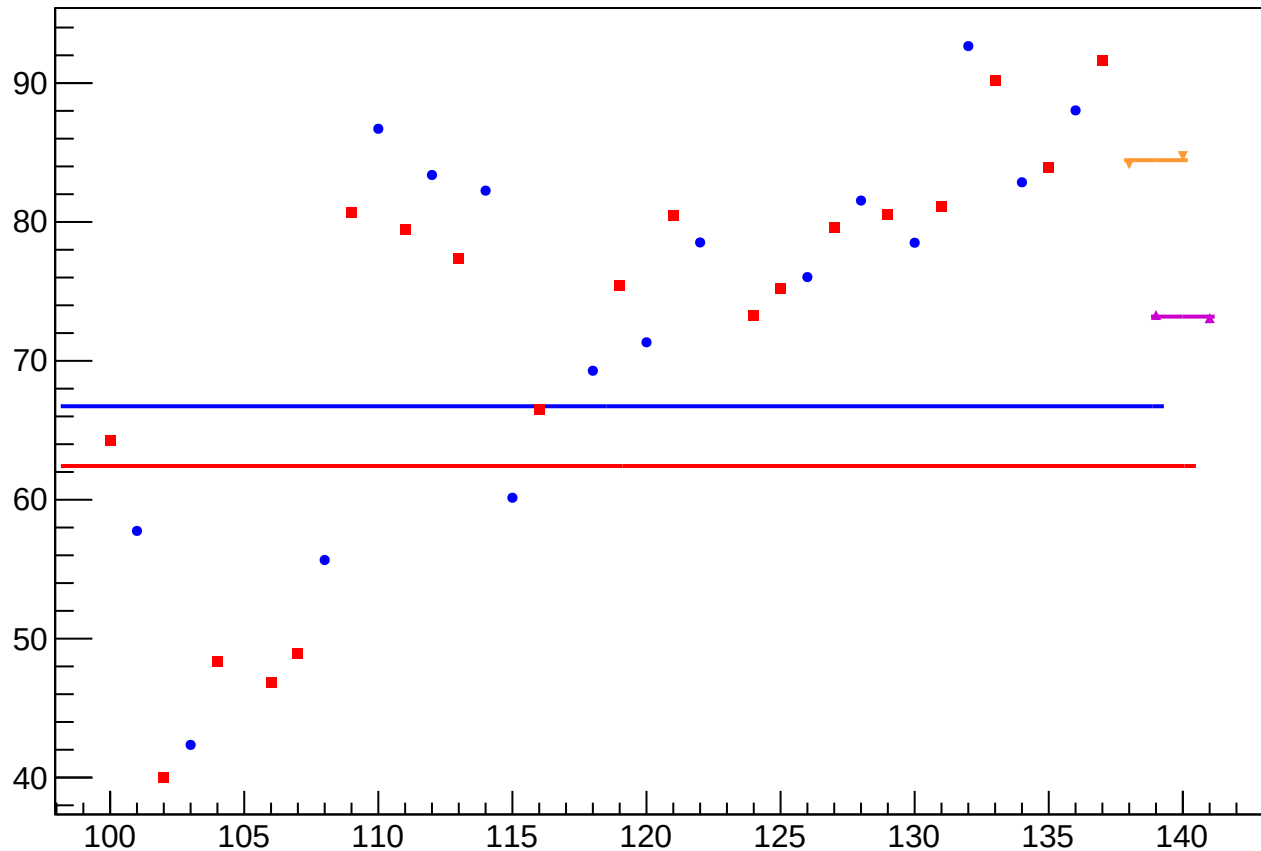
Left In: 0.073 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign -0.002 $\pm$ 0.024 χ^2 /NDF: 18.5/17

All: -0.019 $\pm$ 0.016 χ^2 /NDF: 38.4/38

- sign -0.033 $\pm$ 0.022 χ^2 /NDF: 19.0/20

asym_usr_overload_cor_vs_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

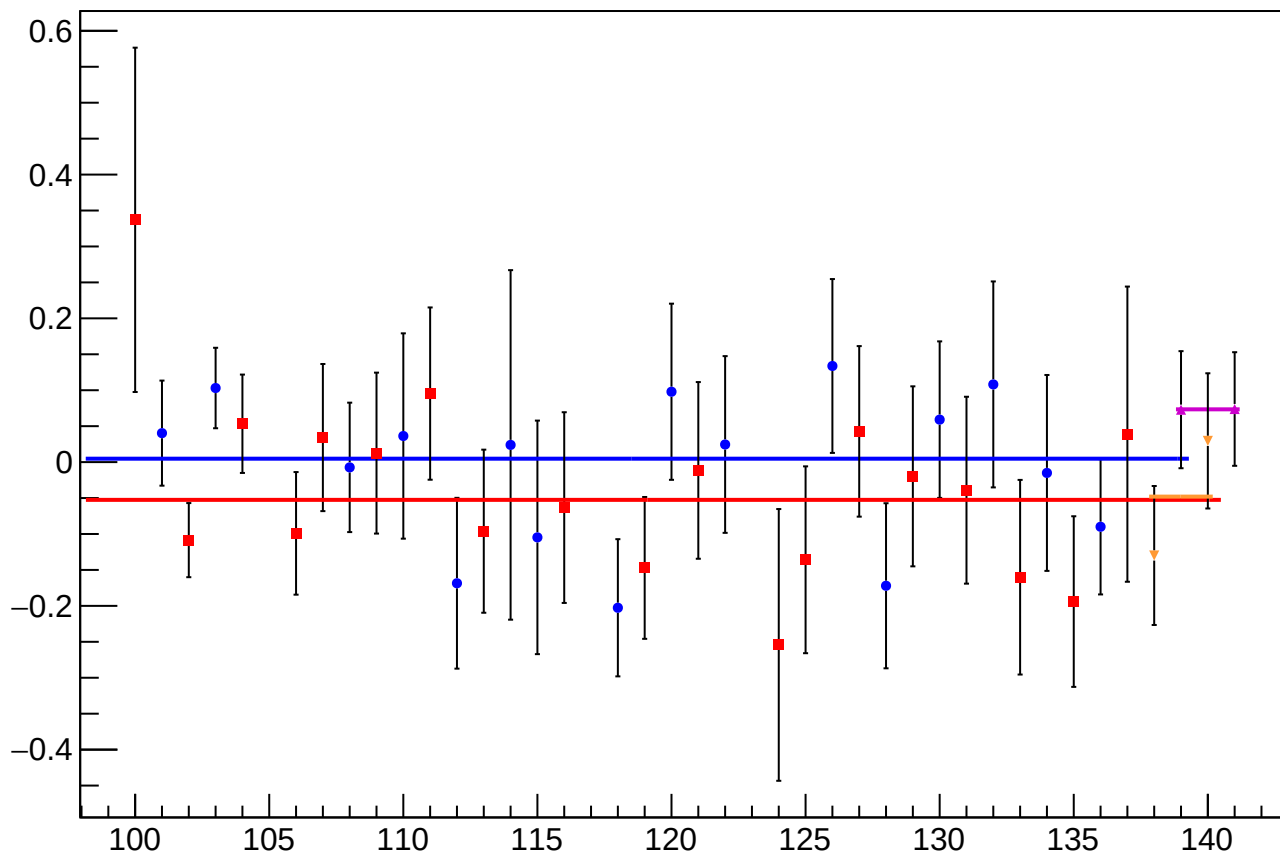
Left In: 73.188 $\pm$ 0.040 χ^2 /NDF:8.1/1

+ sign 69.011 $\pm$ 0.017 χ^2 /NDF: 937198.1/17

All: 66.329 $\pm$ 0.012 χ^2 /NDF: 2157585.2/38

- sign 64.073 $\pm$ 0.016 χ^2 /NDF: 1175068.4/20

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.048 ± 0.067 χ^2/NDF : 1.4/1

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

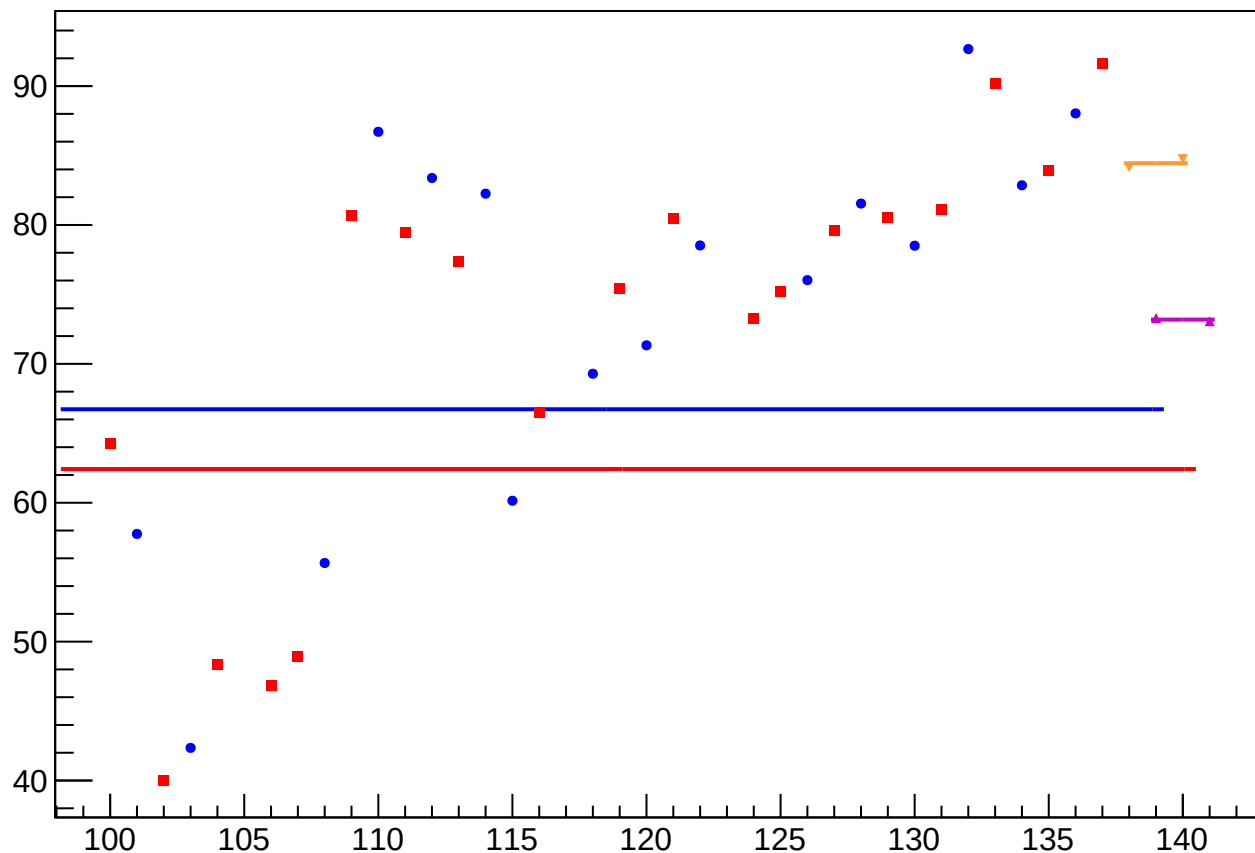
Left In: 0.073 ± 0.057 χ^2/NDF : 0.0/1

+ sign -0.002 ± 0.024 χ^2/NDF : 18.5/17

All: -0.019 ± 0.016 χ^2/NDF : 38.4/38

- sign -0.033 ± 0.022 χ^2/NDF : 19.0/20

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

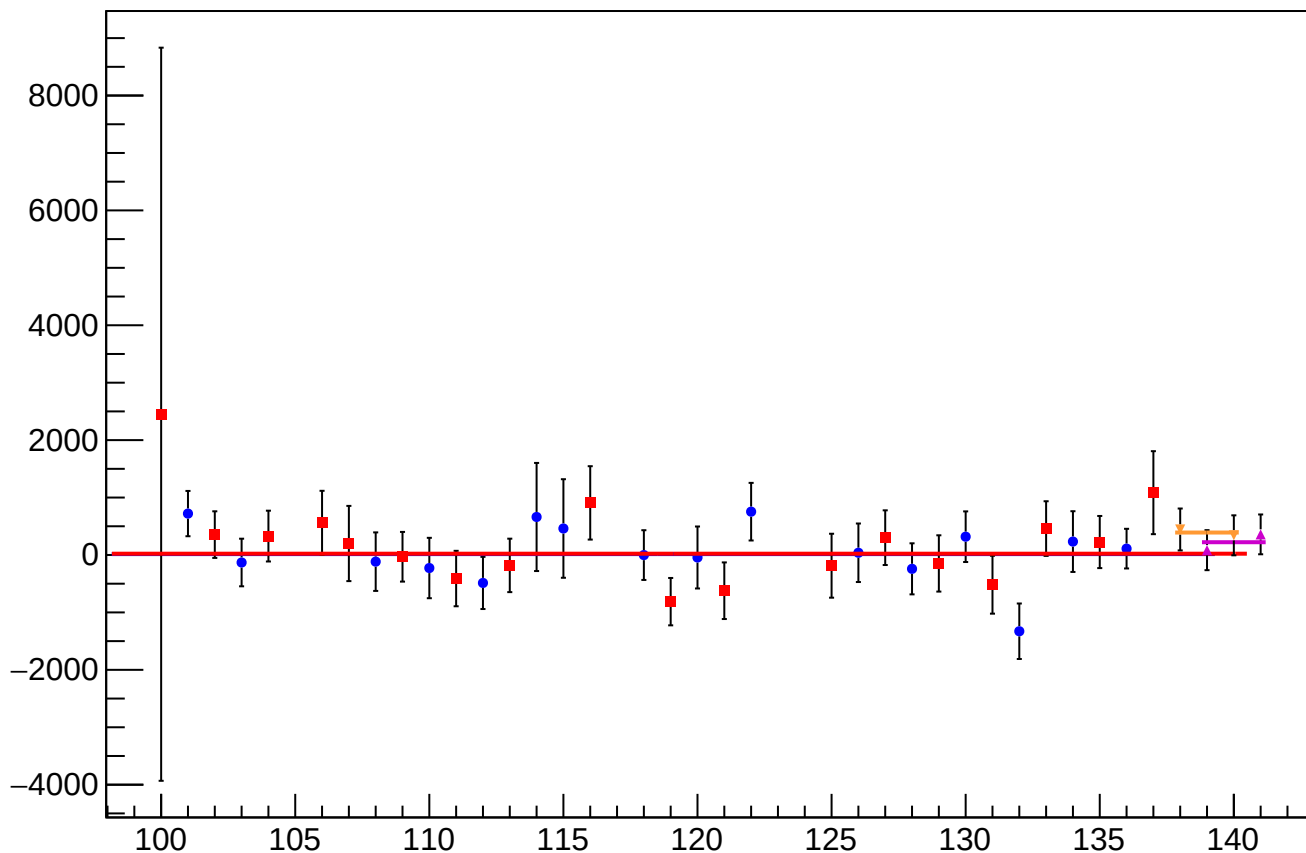
Left In: 73.188 $\pm$ 0.040 χ^2 /NDF: 8.1/1

+ sign 69.011 $\pm$ 0.017 χ^2 /NDF: 937198.1/17

All: 66.329 $\pm$ 0.012 χ^2 /NDF: 2157585.2/38

- sign 64.073 $\pm$ 0.016 χ^2 /NDF: 1175068.4/20

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF : 16.5/15

Left Out: 390.882+/-251.814 χ^2/NDF : 0.0/1

Right Out: 22.145+/-119.211 χ^2/NDF : 16.0/17

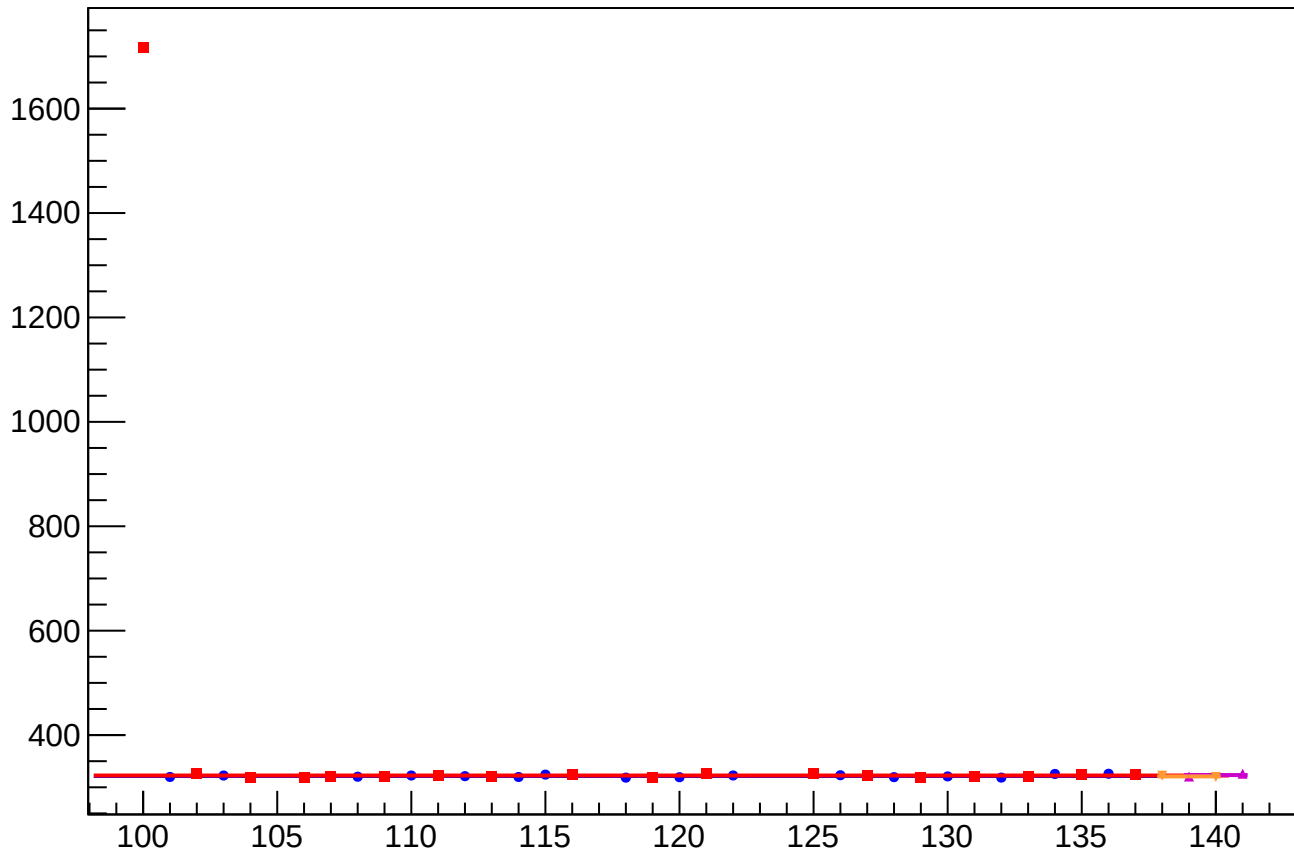
Left In: 222.197+/-245.775 χ^2/NDF : 0.3/1

+ sign 84.448+/-107.909 χ^2/NDF : 18.4/17

All: 72.274+/-76.073 χ^2/NDF : 35.3/37

- sign 60.246+/-107.260 χ^2/NDF : 16.8/19

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

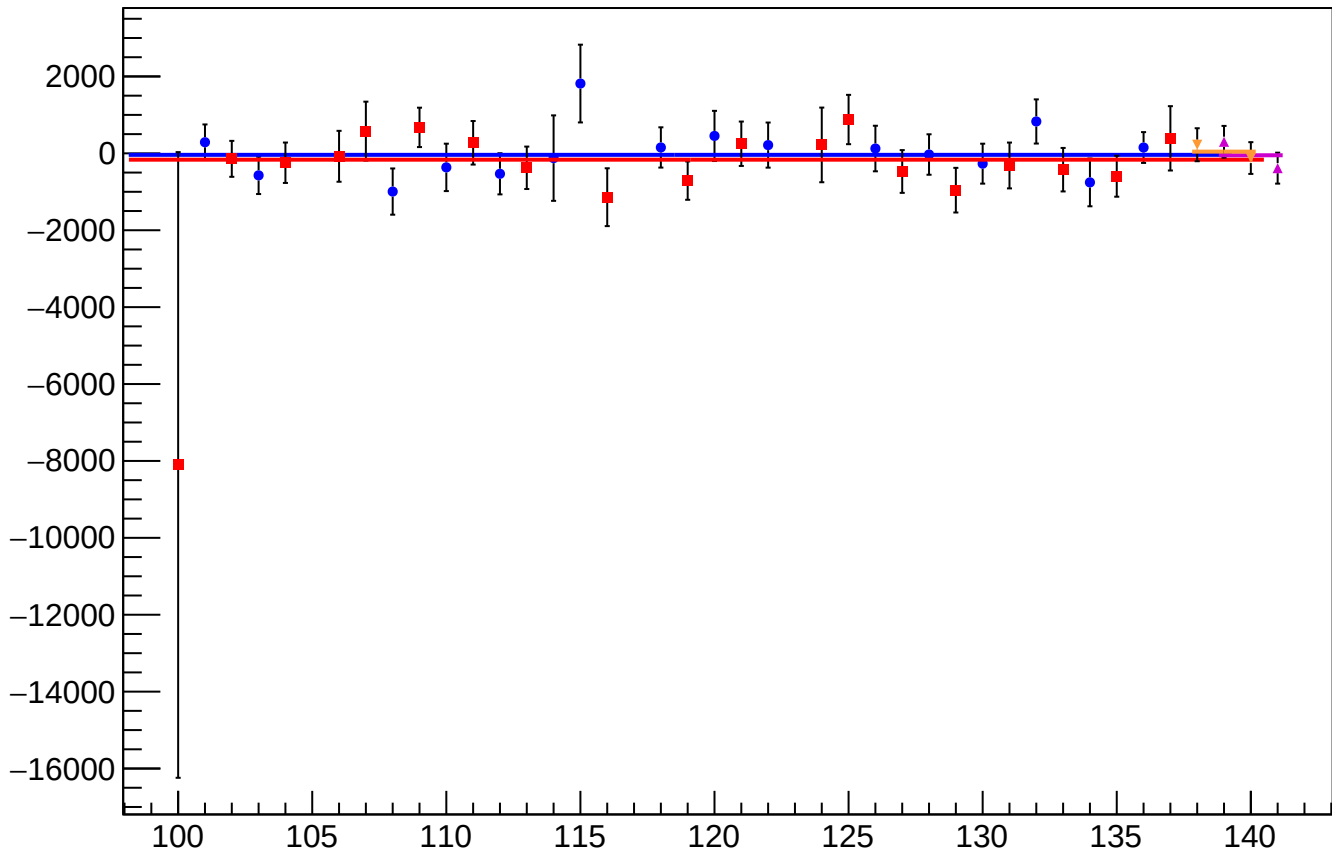
Left In: 323.422 $\pm$ 0.174 χ^2 /NDF:241.9/1

+ sign 321.469 $\pm$ 0.076 χ^2 /NDF: 882.8/17

All: 322.098 $\pm$ 0.054 χ^2 /NDF: 98171.6/37

- sign 322.718 $\pm$ 0.076 χ^2 /NDF: 97154.0/19

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

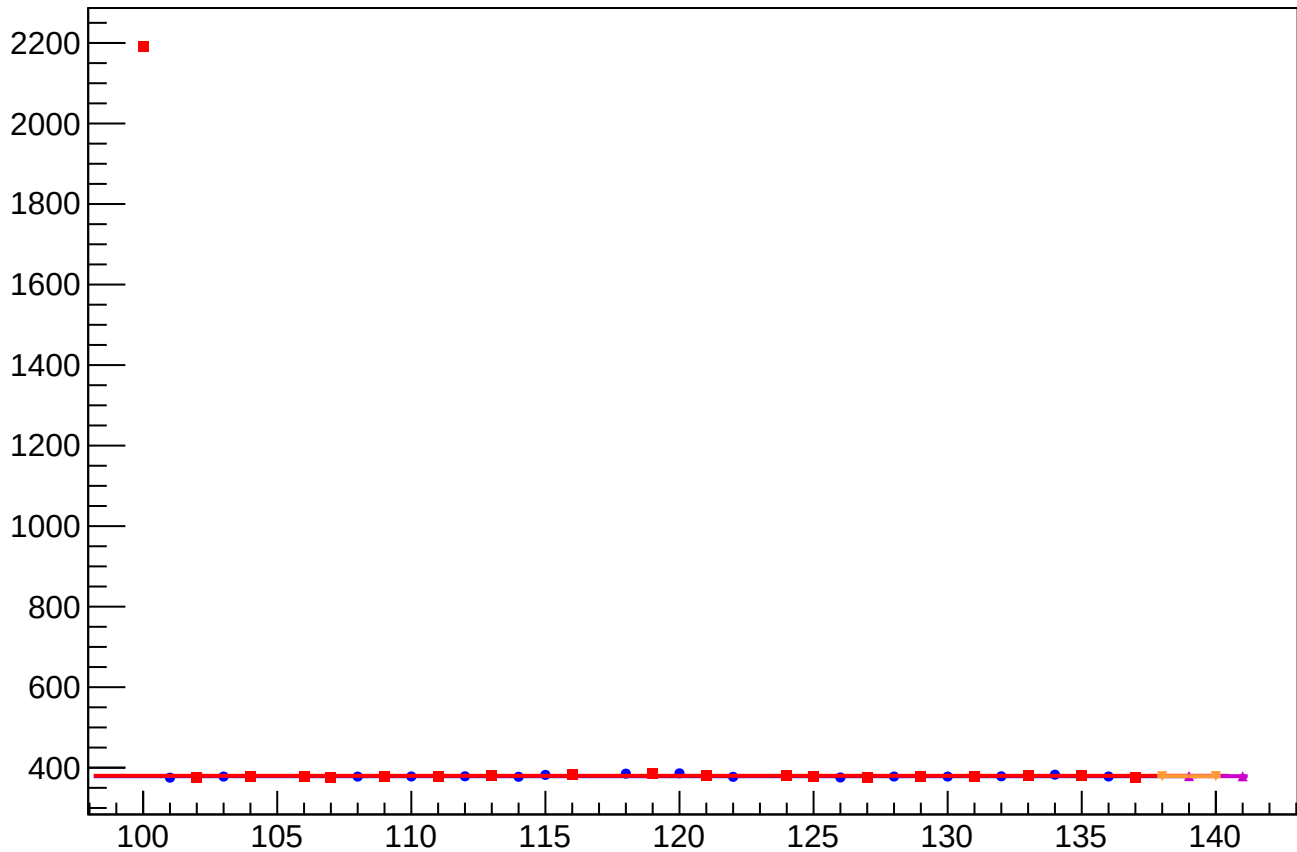
Left In: -49.848 ± 288.023 χ^2/NDF : 1.4/1

+ sign -23.664 ± 127.201 χ^2/NDF : 14.1/17

All: -84.280 ± 89.213 χ^2/NDF : 31.2/38

- sign -142.964 ± 125.157 χ^2/NDF : 16.7/20

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

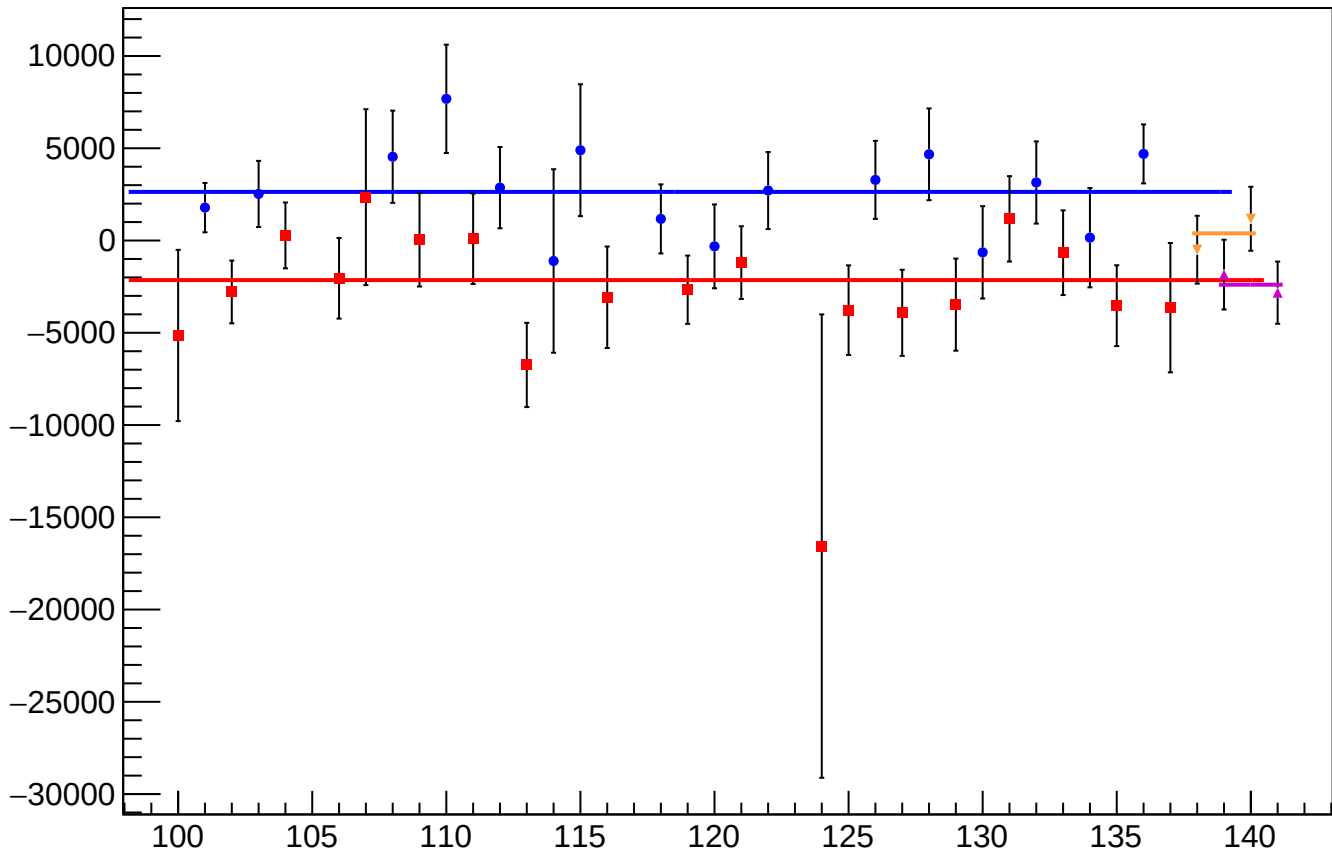
Left In: 379.010 $\pm$ 0.204 χ^2 /NDF: 1.6/1

+ sign 378.922 $\pm$ 0.090 χ^2 /NDF: 851.7/17

All: 379.324 $\pm$ 0.063 χ^2 /NDF: 100528.9/38

- sign 379.714 $\pm$ 0.088 χ^2 /NDF: 99637.8/20

asym_us_agg_avg_mean vs Slug



Right In: 2635.397 ± 538.034 $\chi^2/\text{NDF}: 12.3/15$

Left Out: 389.274 ± 1261.201 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -2144.569 ± 546.963 $\chi^2/\text{NDF}: 15.0/18$

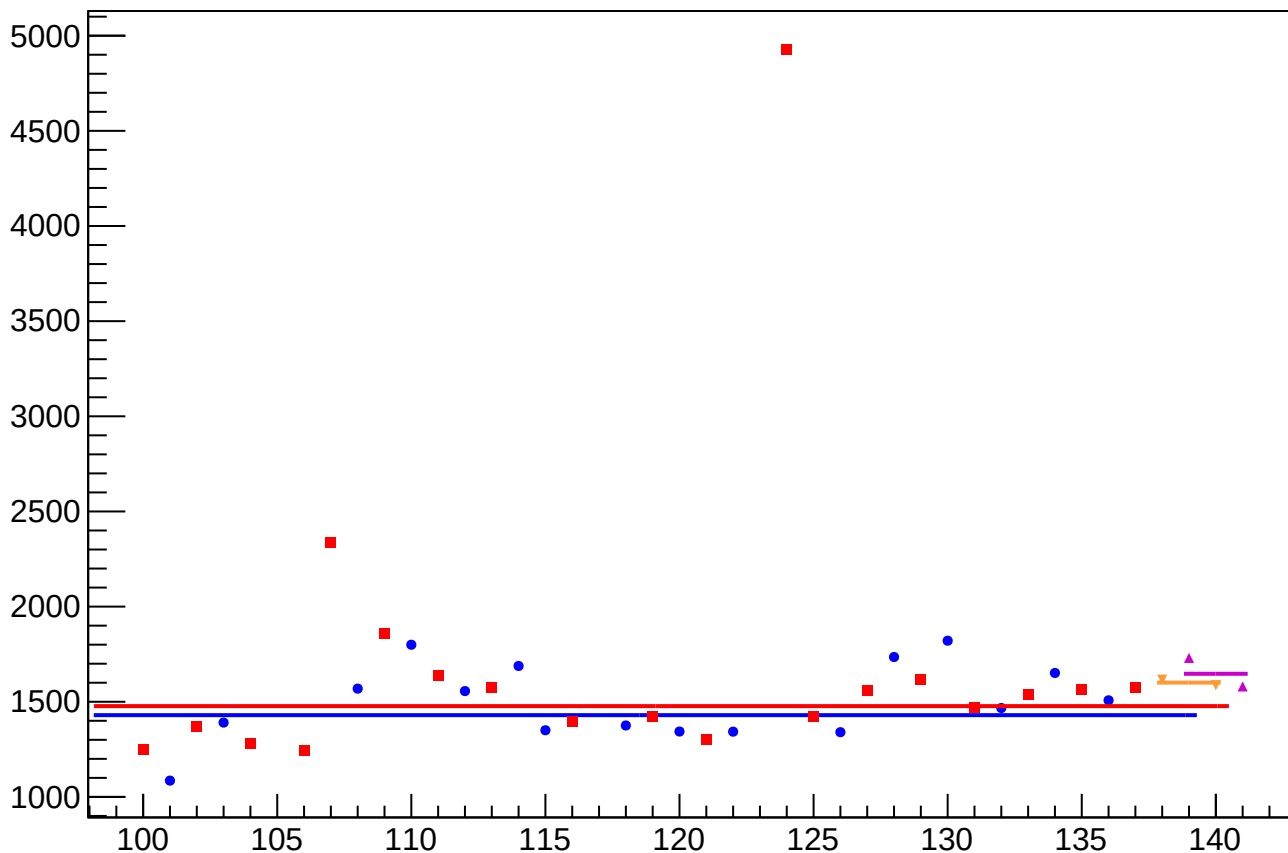
Left In: -2393.398 ± 1257.408 $\chi^2/\text{NDF}: 0.1/1$

+ sign 2289.561 ± 494.883 $\chi^2/\text{NDF}: 15.4/17$

All: 82.699 ± 352.274 $\chi^2/\text{NDF}: 70.9/38$

- sign -2184.161 ± 501.565 $\chi^2/\text{NDF}: 15.2/20$

asym_us_agg_avg_rms vs Slug



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

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

Right Out: 1477.126+/-0.387 χ^2/NDF : 369430.6/18

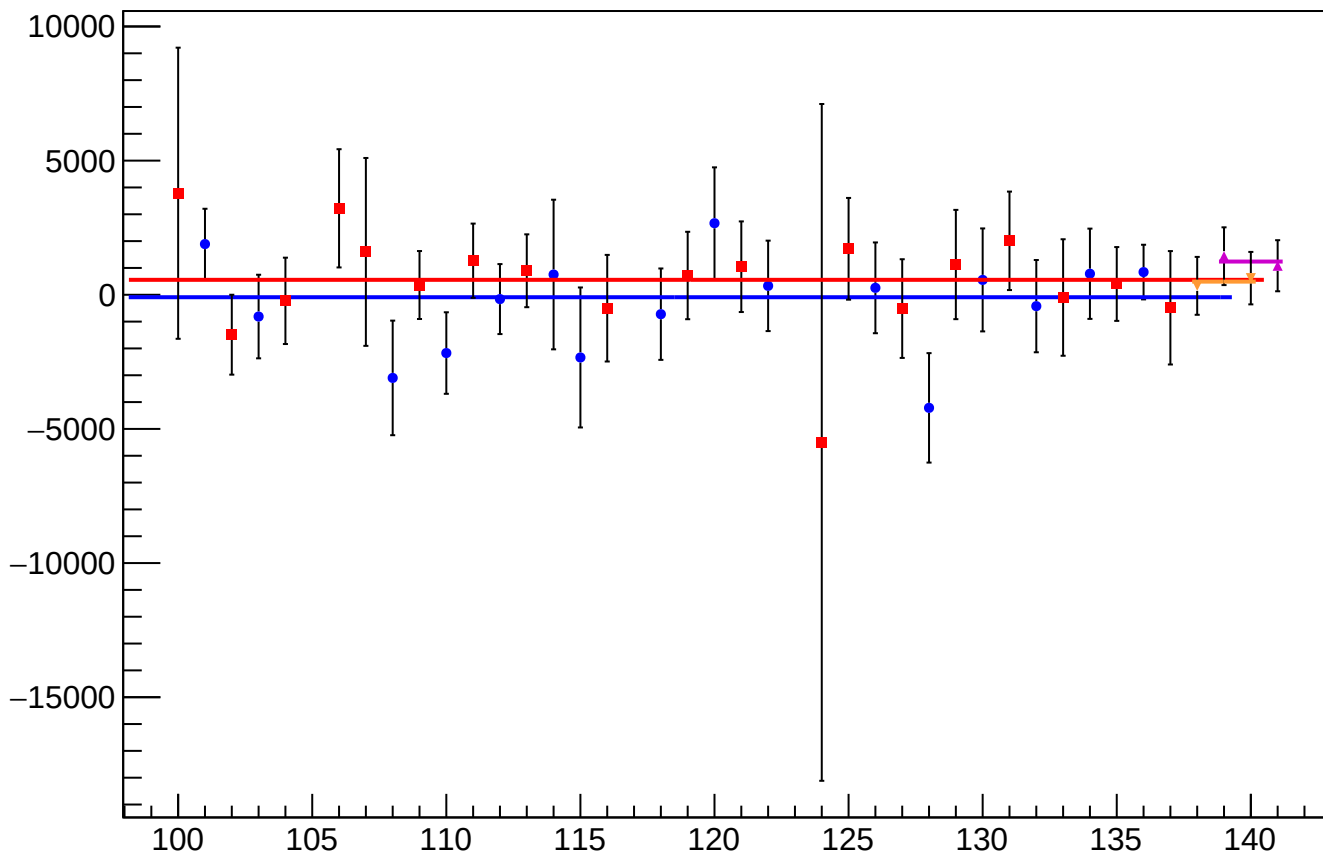
Left In: 1646.995+/-0.889 χ^2/NDF : 7018.9/1

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

All: 1479.753+/-0.249 χ^2/NDF : 741276.3/38

- sign 1504.154+/-0.355 χ^2/NDF : 407142.7/20

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

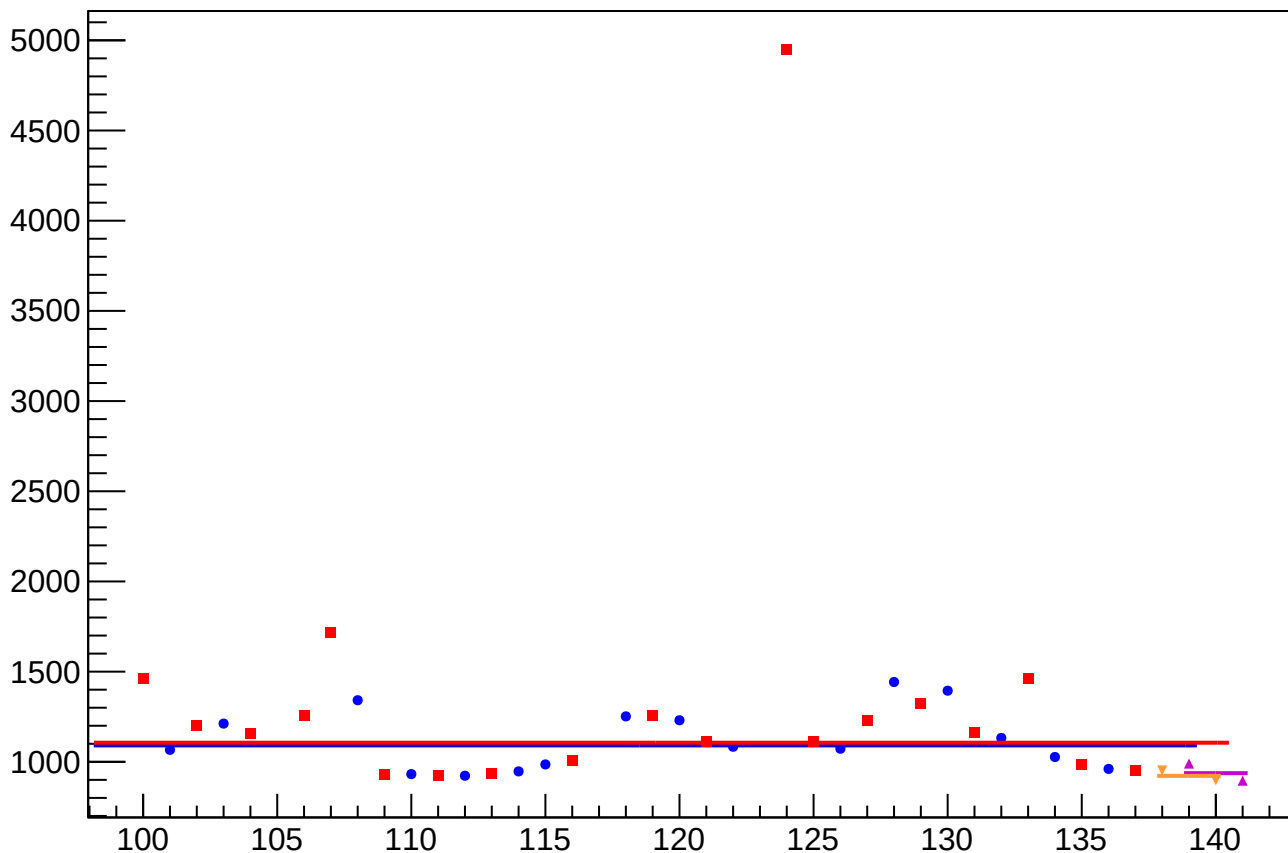
Left In: 1238.179 ± 713.162 χ^2/NDF : 0.1/1

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

All: 388.790 ± 252.126 χ^2/NDF : 24.4/38

- sign 726.928 ± 356.322 χ^2/NDF : 7.5/20

asym_us_agg_dd_rms vs Slug



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

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

Right Out: 1106.046+/-0.291 χ^2/NDF : 514097.9/18

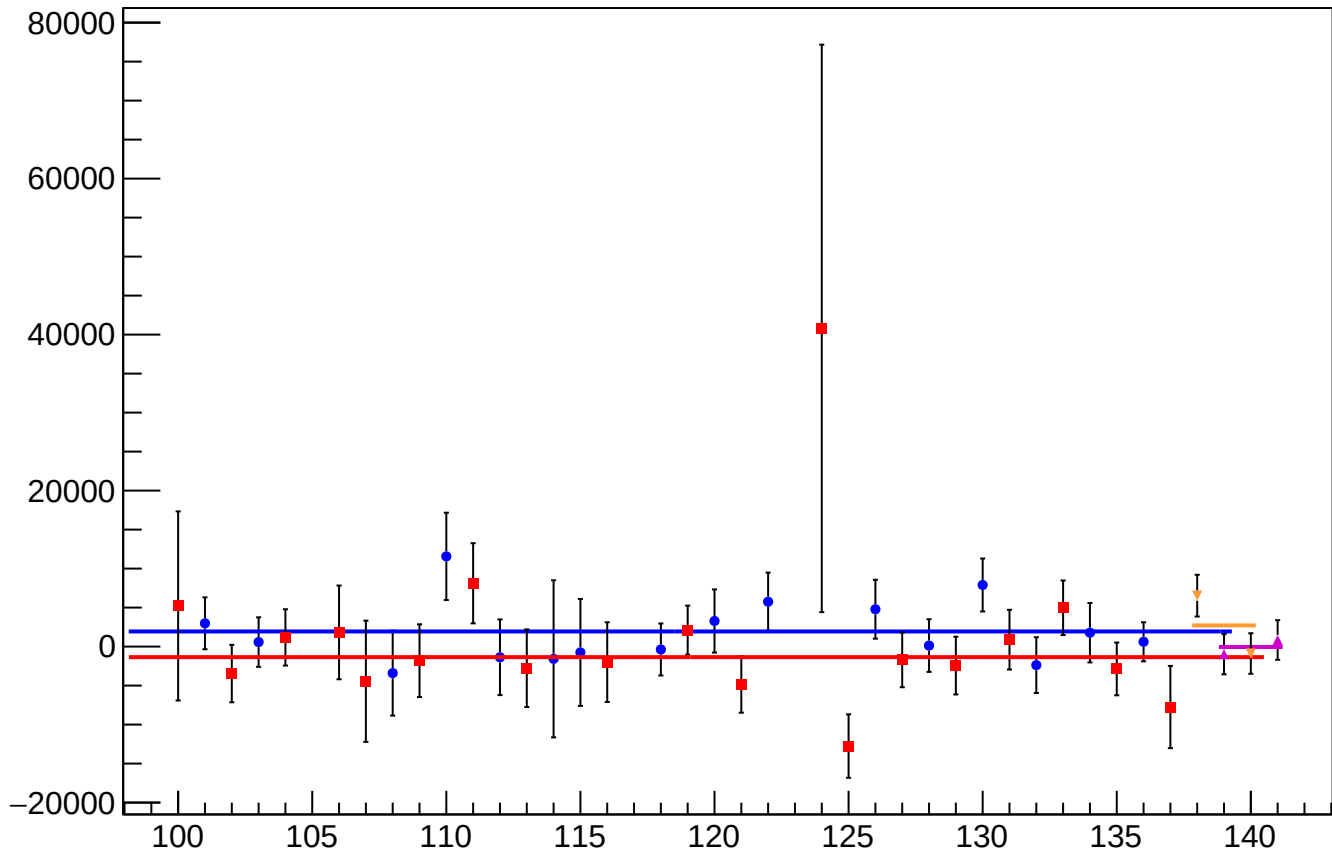
Left In: 937.140+/-0.504 χ^2/NDF :8716.9/1

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

All: 1056.999+/-0.178 χ^2/NDF : 970856.5/38

- sign 1063.881+/-0.252 χ^2/NDF : 606996.1/20

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF : 12.2/15

Left Out: 2714.077+/-1864.759 χ^2/NDF : 4.0/1

Right Out: -1353.428+/-985.119 χ^2/NDF : 21.8/18

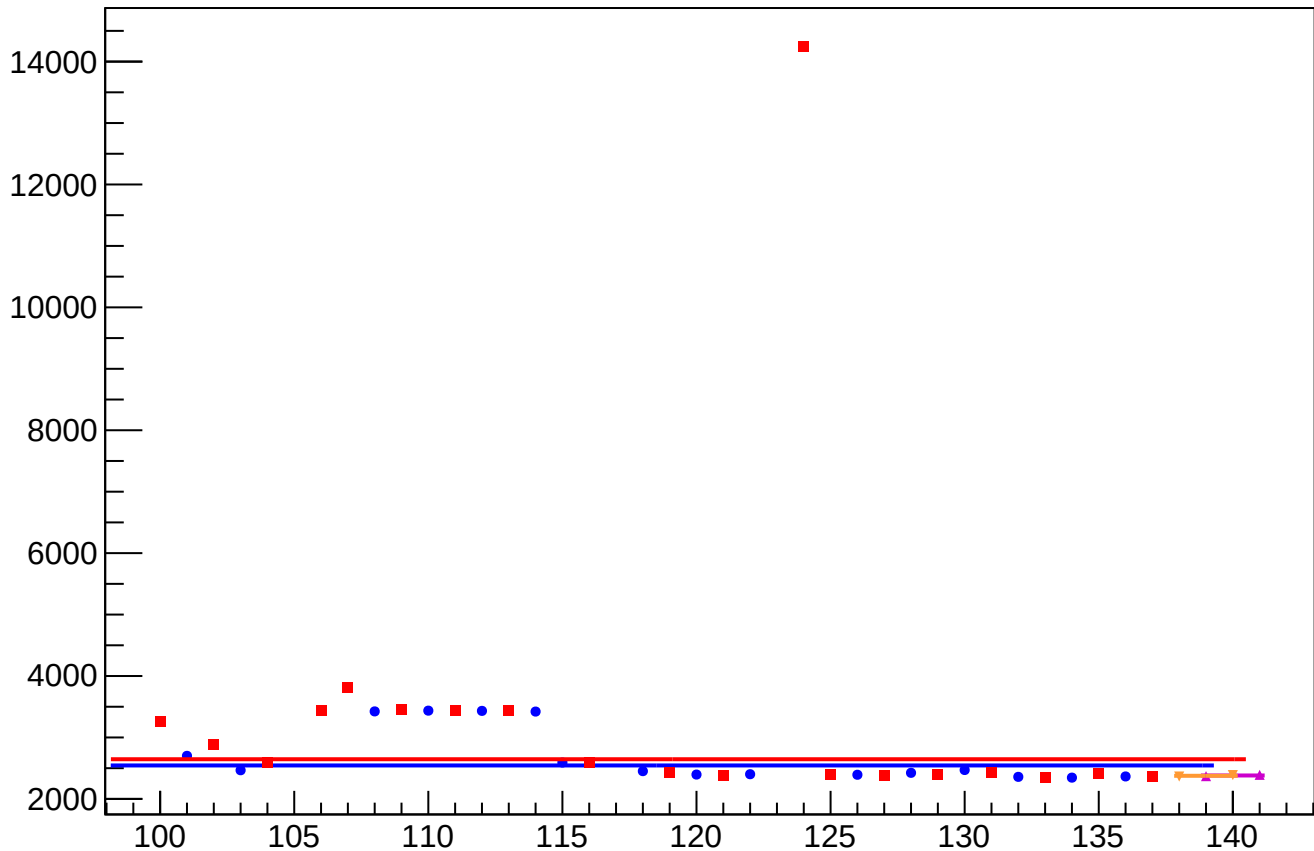
Left In: -54.731+/-1809.585 χ^2/NDF : 0.3/1

+ sign 2099.909+/-848.276 χ^2/NDF : 16.3/17

All: 552.896+/-605.723 χ^2/NDF : 45.6/38

- sign -1056.534+/-865.219 χ^2/NDF : 22.4/20

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF : 78.7/1

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

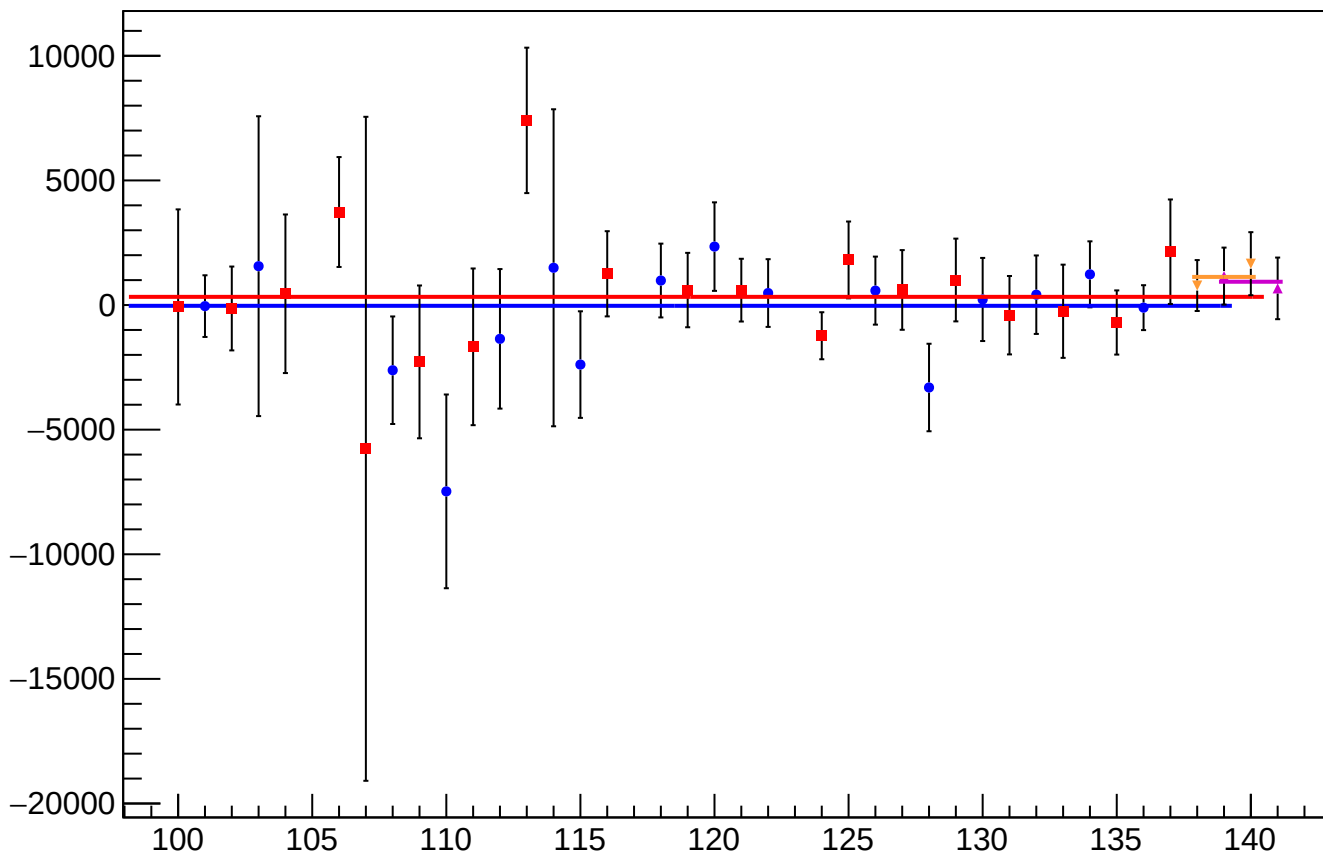
Left In: 2381.269+/-1.280 χ^2/NDF : 69.2/1

+ sign 2509.594+/-0.600 χ^2/NDF : 238608.8/17

All: 2546.653+/-0.428 χ^2/NDF : 816361.9/38

- sign 2585.208+/-0.612 χ^2/NDF : 569964.7/20

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191 ± 405.726 χ^2/NDF : 13.8/15

Left Out: 1128.649 ± 794.729 χ^2/NDF : 0.3/1

Right Out: 328.475 ± 398.568 χ^2/NDF : 15.6/18

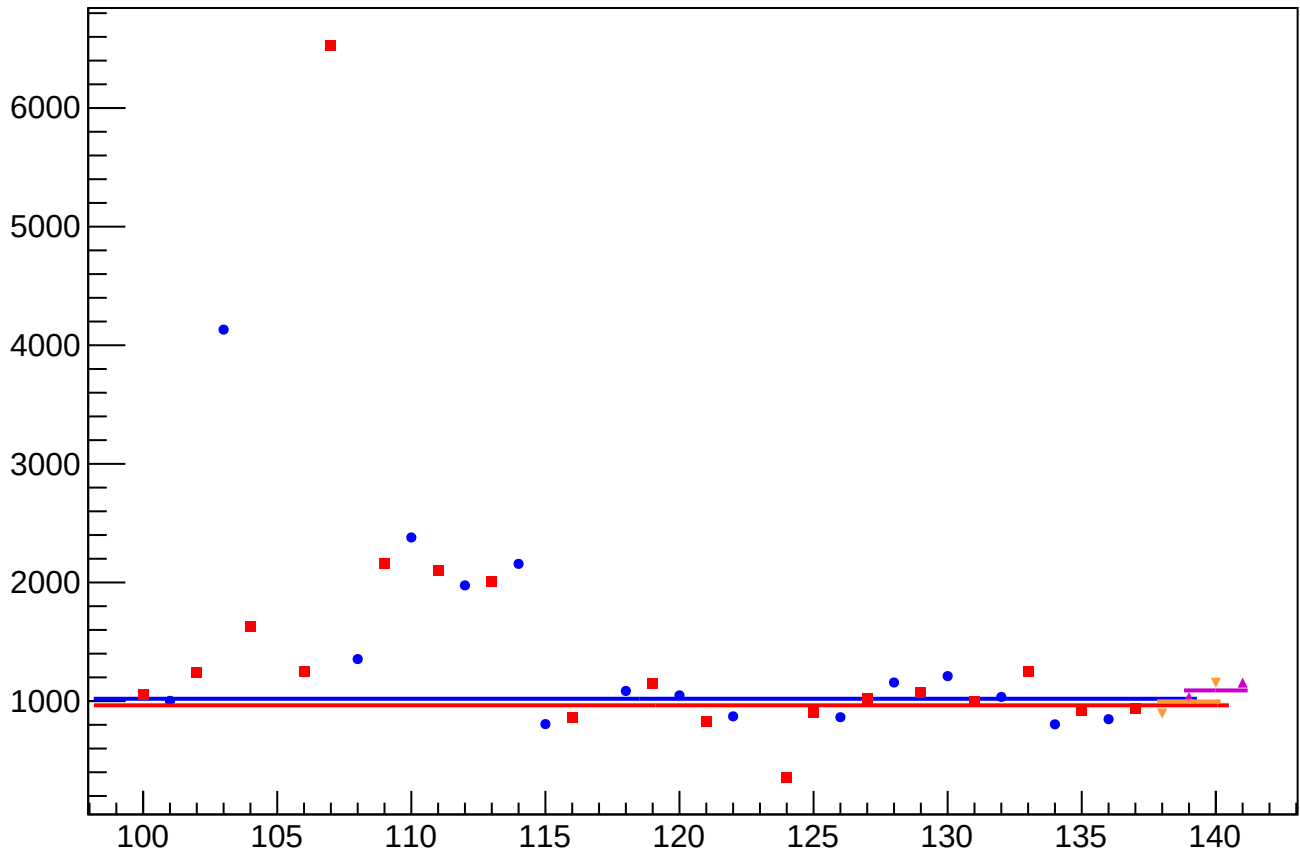
Left In: 934.475 ± 839.153 χ^2/NDF : 0.1/1

+ sign 208.602 ± 361.359 χ^2/NDF : 15.8/17

All: 324.740 ± 255.045 χ^2/NDF : 32.1/38

- sign 440.019 ± 360.022 χ^2/NDF : 16.1/20

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF : 1364745.9/15

Left Out: 997.233+/-0.562 χ^2/NDF : 51112.5/1

+ sign 1014.914+/-0.256 χ^2/NDF : 1417106.4/17

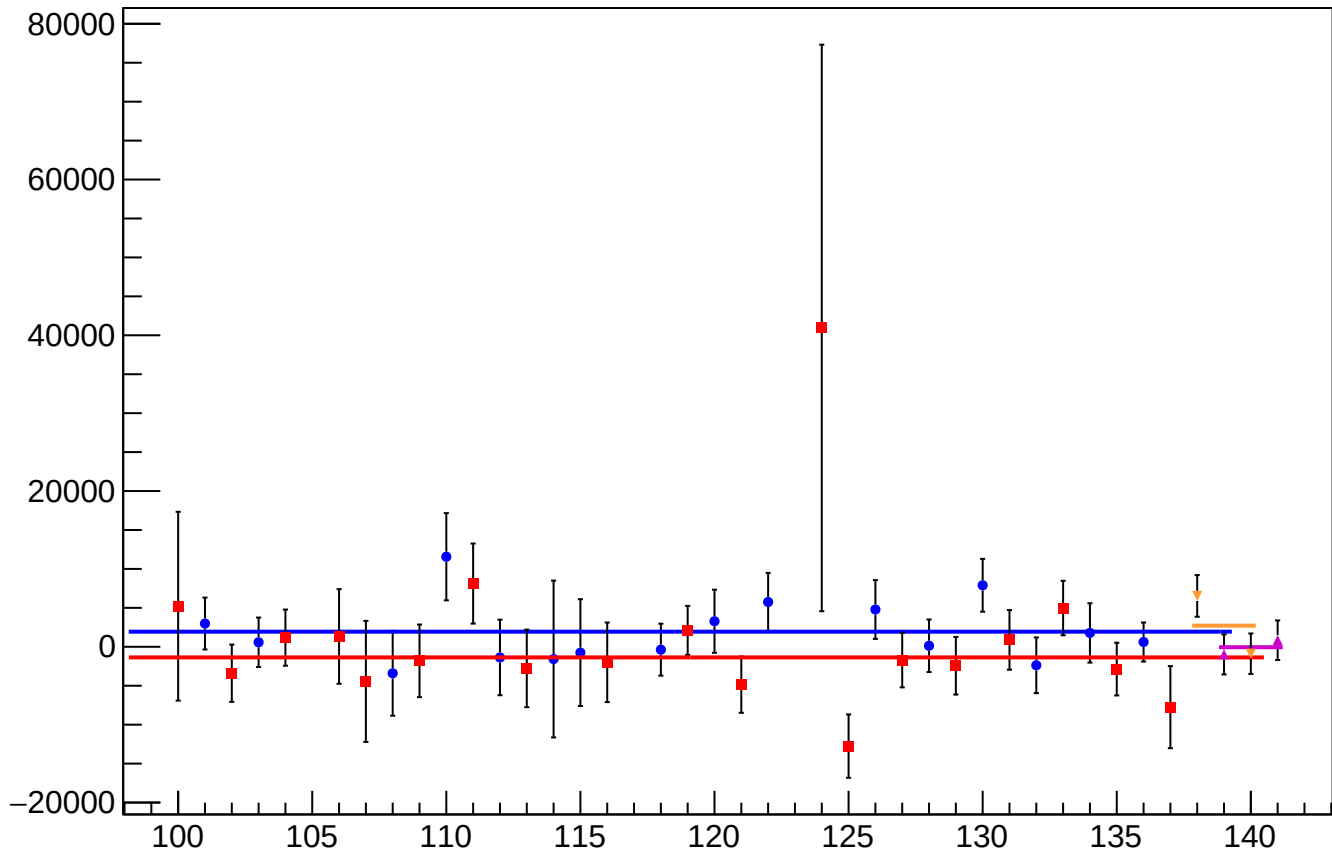
Right Out: 964.379+/-0.282 χ^2/NDF : 2309359.3/18

All: 1001.159+/-0.180 χ^2/NDF : 3779318.0/38

- sign 987.506+/-0.255 χ^2/NDF : 2356437.2/20

Left In: 1090.023+/-0.593 χ^2/NDF : 10494.6/1

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

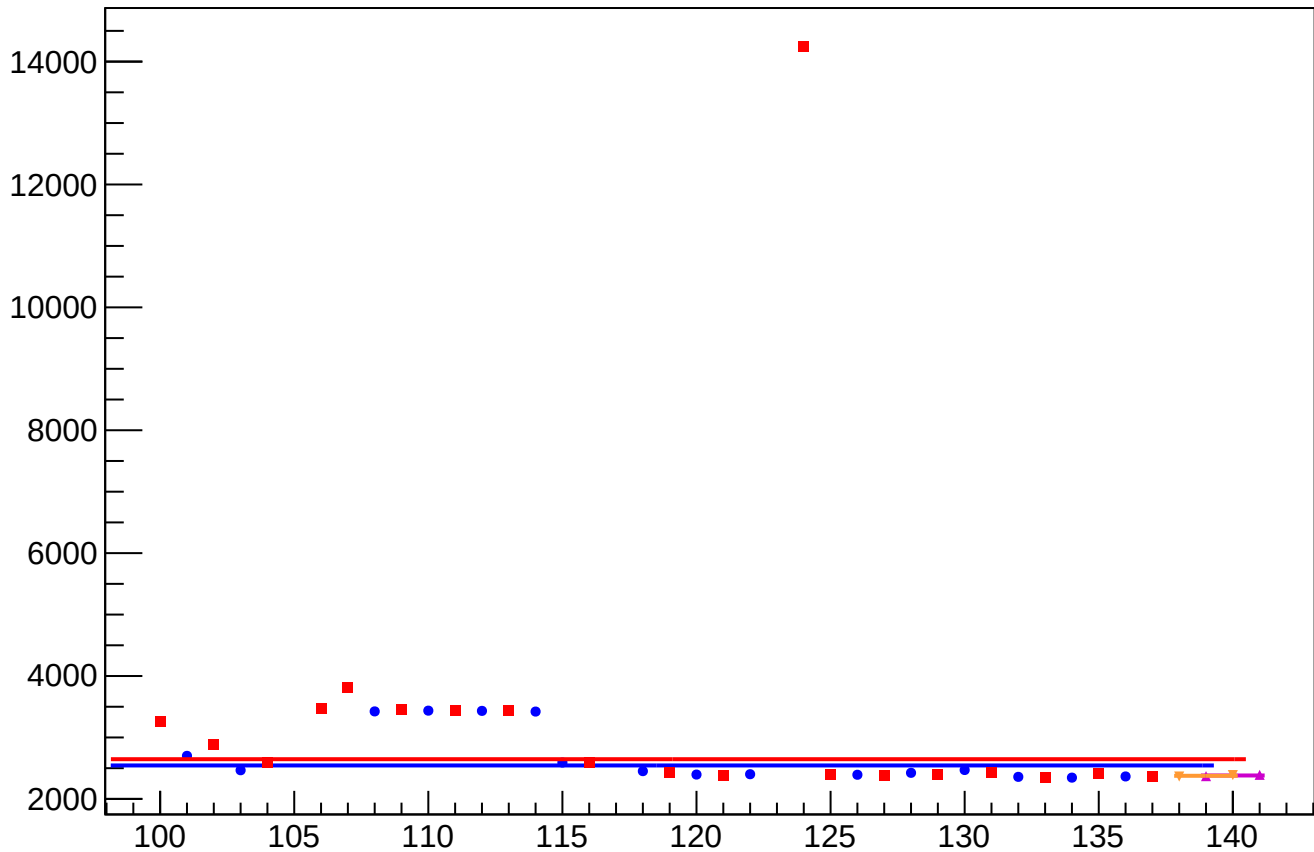
Left In: -55.230+/-1809.585 χ^2/NDF : 0.3/1

+ sign 2100.188+/-848.276 χ^2/NDF : 16.3/17

All: 549.771+/-605.793 χ^2/NDF : 45.5/38

- sign -1063.960+/-865.423 χ^2/NDF : 22.4/20

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF : 78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF : 539546.8/18

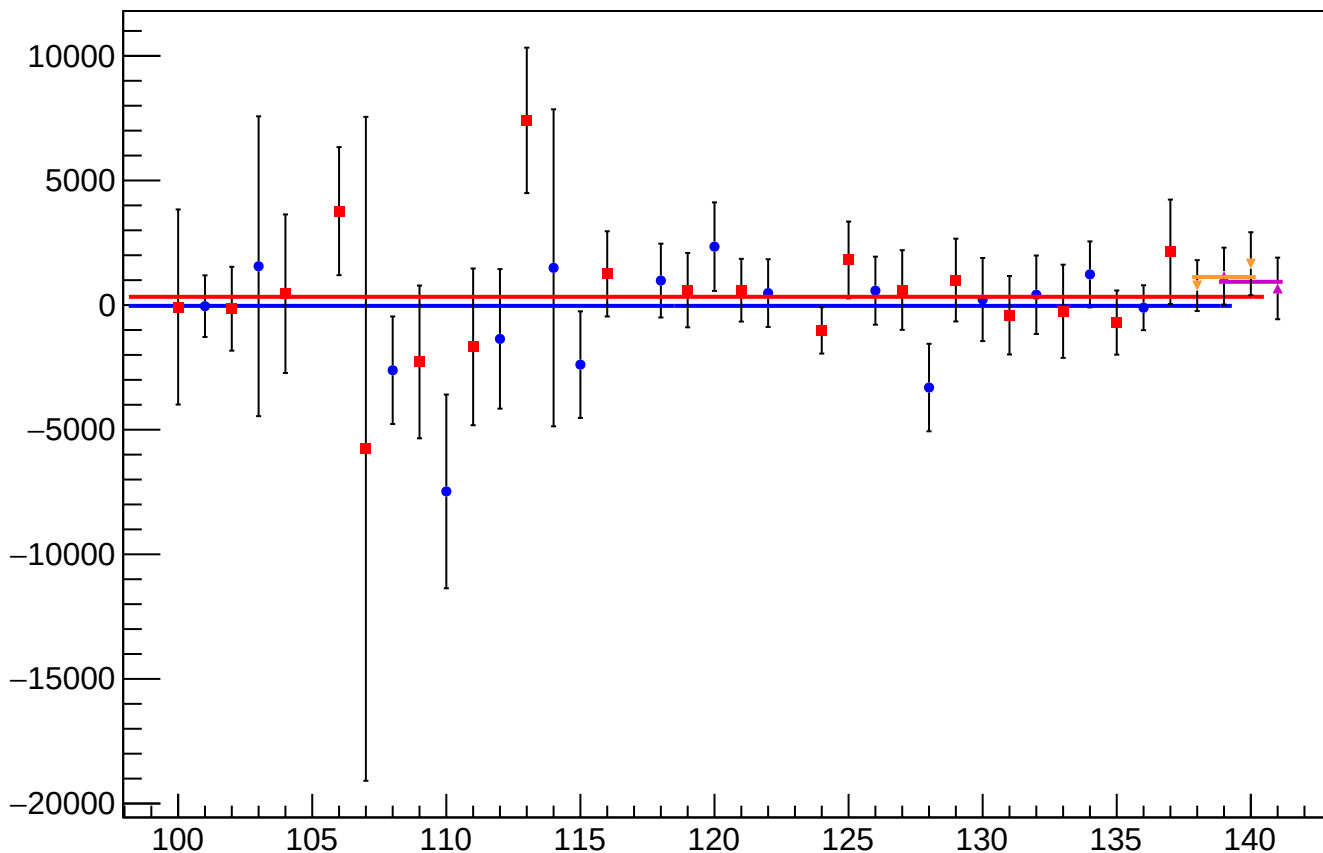
Left In: 2381.269+/-1.280 χ^2/NDF : 69.2/1

+ sign 2509.595+/-0.600 χ^2/NDF : 238608.8/17

All: 2546.841+/-0.428 χ^2/NDF : 819158.4/38

- sign 2585.608+/-0.612 χ^2/NDF : 572680.4/20

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

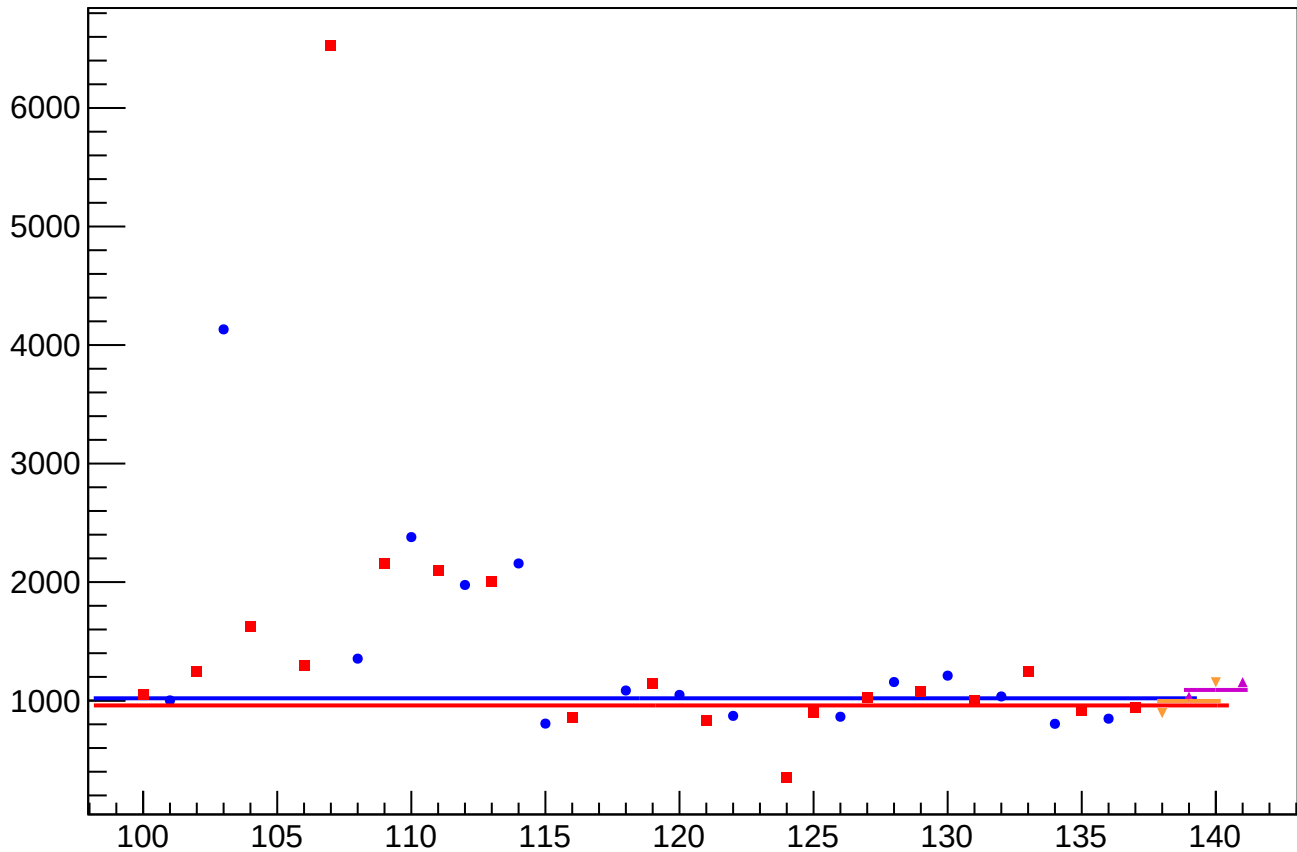
Left In: 934.483 ± 839.155 χ^2/NDF : 0.1/1

+ sign 208.555 ± 361.357 χ^2/NDF : 15.8/17

All: 326.135 ± 255.245 χ^2/NDF : 30.9/38

- sign 443.214 ± 360.587 χ^2/NDF : 14.9/20

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF : 1364741.0/15

Left Out: 997.240+/-0.562 χ^2/NDF : 51106.3/1

+ sign 1014.909+/-0.256 χ^2/NDF : 1417093.6/17

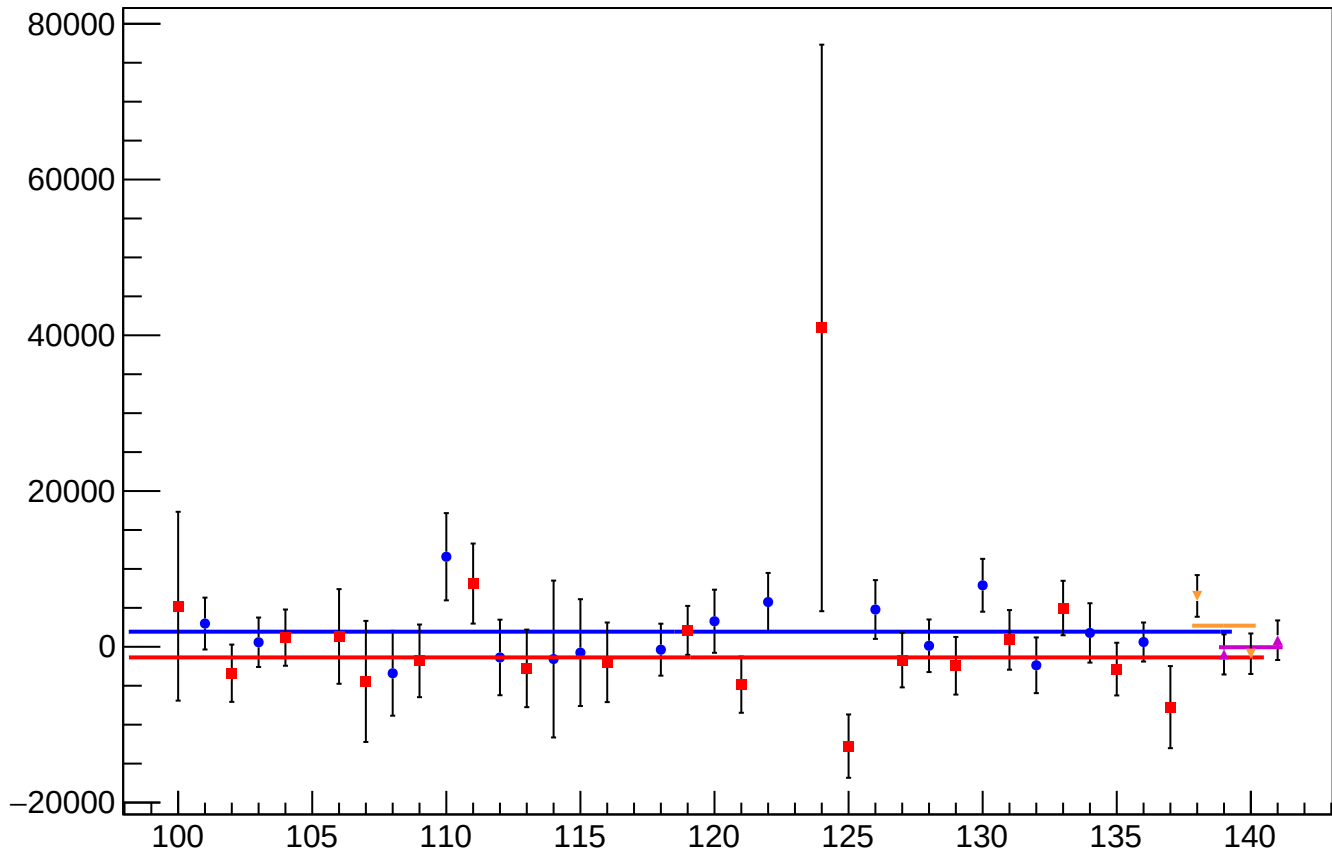
Right Out: 959.344+/-0.282 χ^2/NDF : 2344434.8/18

All: 999.157+/-0.180 χ^2/NDF : 3819154.7/38

- sign 983.473+/-0.255 χ^2/NDF : 2394477.0/20

Left In: 1090.023+/-0.593 χ^2/NDF : 10496.3/1

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

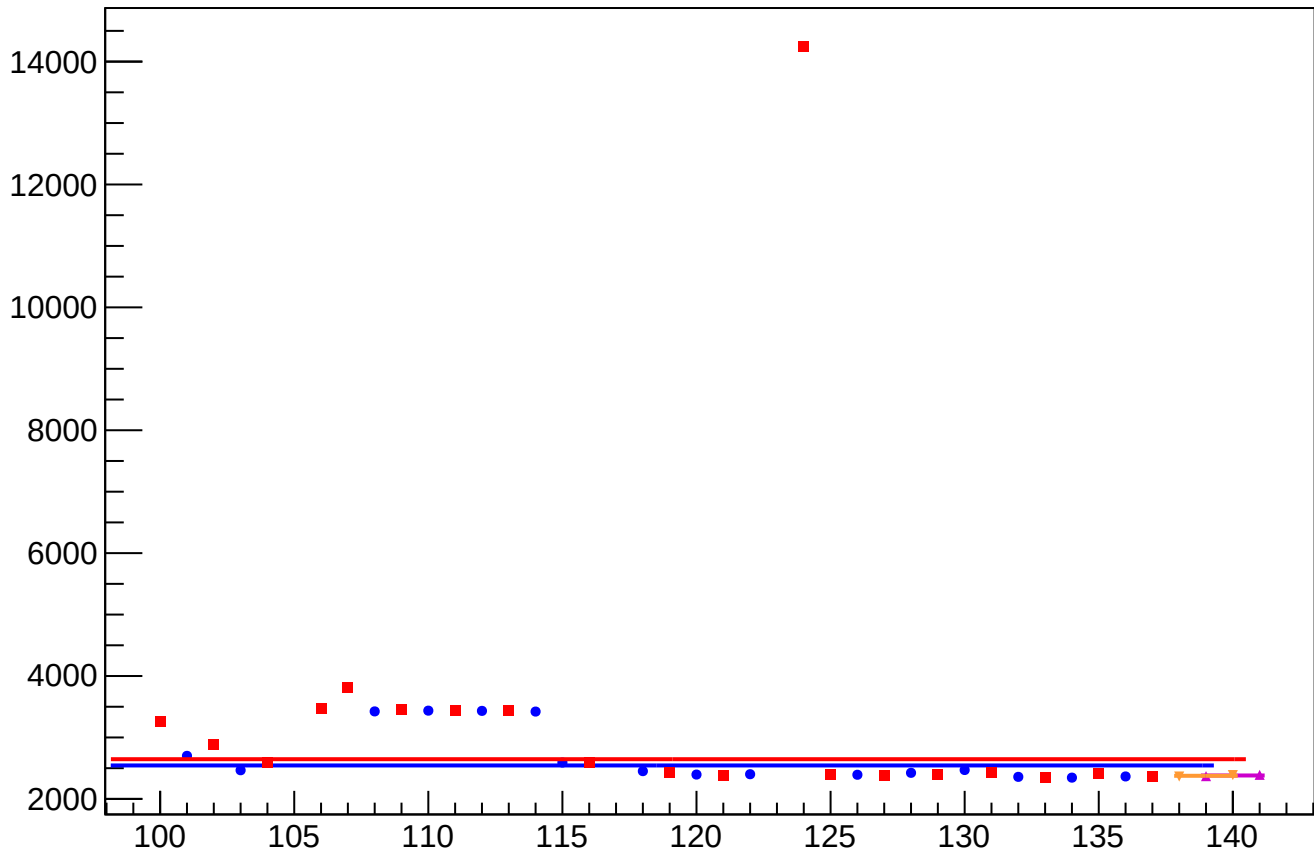
Left In: -55.230+/-1809.585 χ^2/NDF : 0.3/1

+ sign 2100.188+/-848.276 χ^2/NDF : 16.3/17

All: 549.771+/-605.793 χ^2/NDF : 45.5/38

- sign -1063.960+/-865.423 χ^2/NDF : 22.4/20

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF : 78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF : 539546.8/18

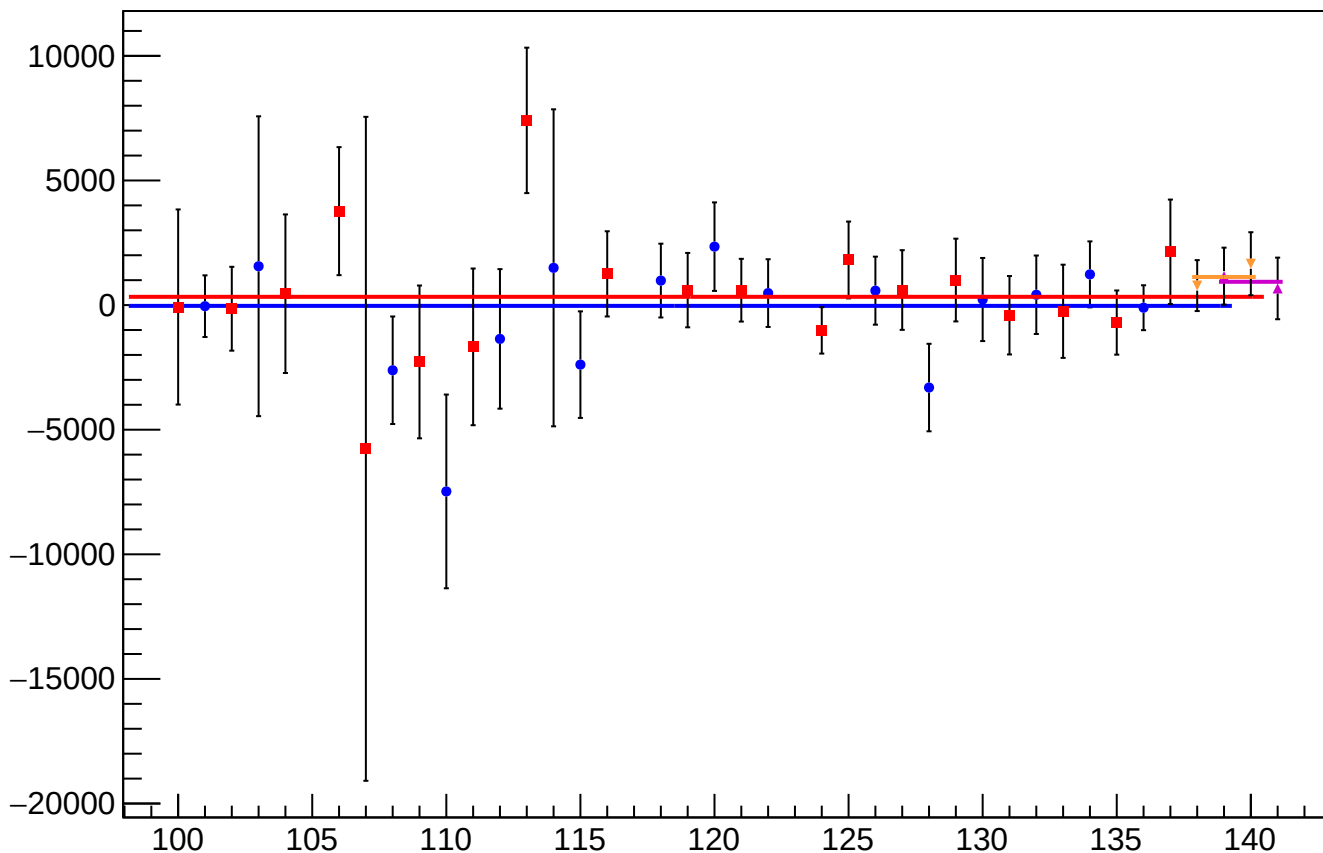
Left In: 2381.269+/-1.280 χ^2/NDF : 69.2/1

+ sign 2509.595+/-0.600 χ^2/NDF : 238608.8/17

All: 2546.841+/-0.428 χ^2/NDF : 819158.4/38

- sign 2585.608+/-0.612 χ^2/NDF : 572680.4/20

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 χ^2/NDF : 13.8/15

Left Out: 1128.678 ± 794.733 χ^2/NDF : 0.3/1

Right Out: 331.962 ± 399.334 χ^2/NDF : 14.4/18

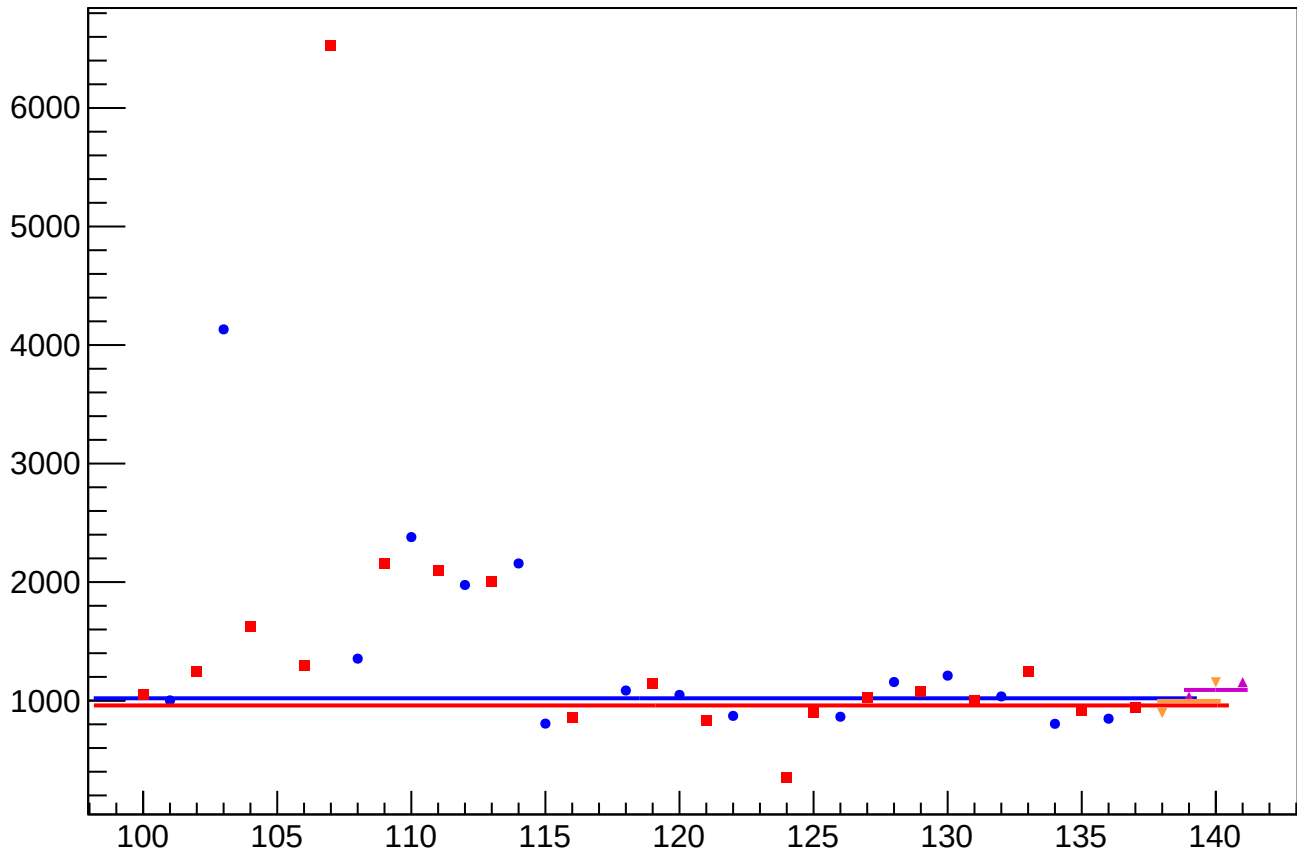
Left In: 934.483 ± 839.155 χ^2/NDF : 0.1/1

+ sign 208.555 ± 361.357 χ^2/NDF : 15.8/17

All: 326.135 ± 255.245 χ^2/NDF : 30.9/38

- sign 443.214 ± 360.587 χ^2/NDF : 14.9/20

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF : 1364741.0/15

Left Out: 997.240+/-0.562 χ^2/NDF : 51106.3/1

Right Out: 959.344+/-0.282 χ^2/NDF : 2344434.8/18

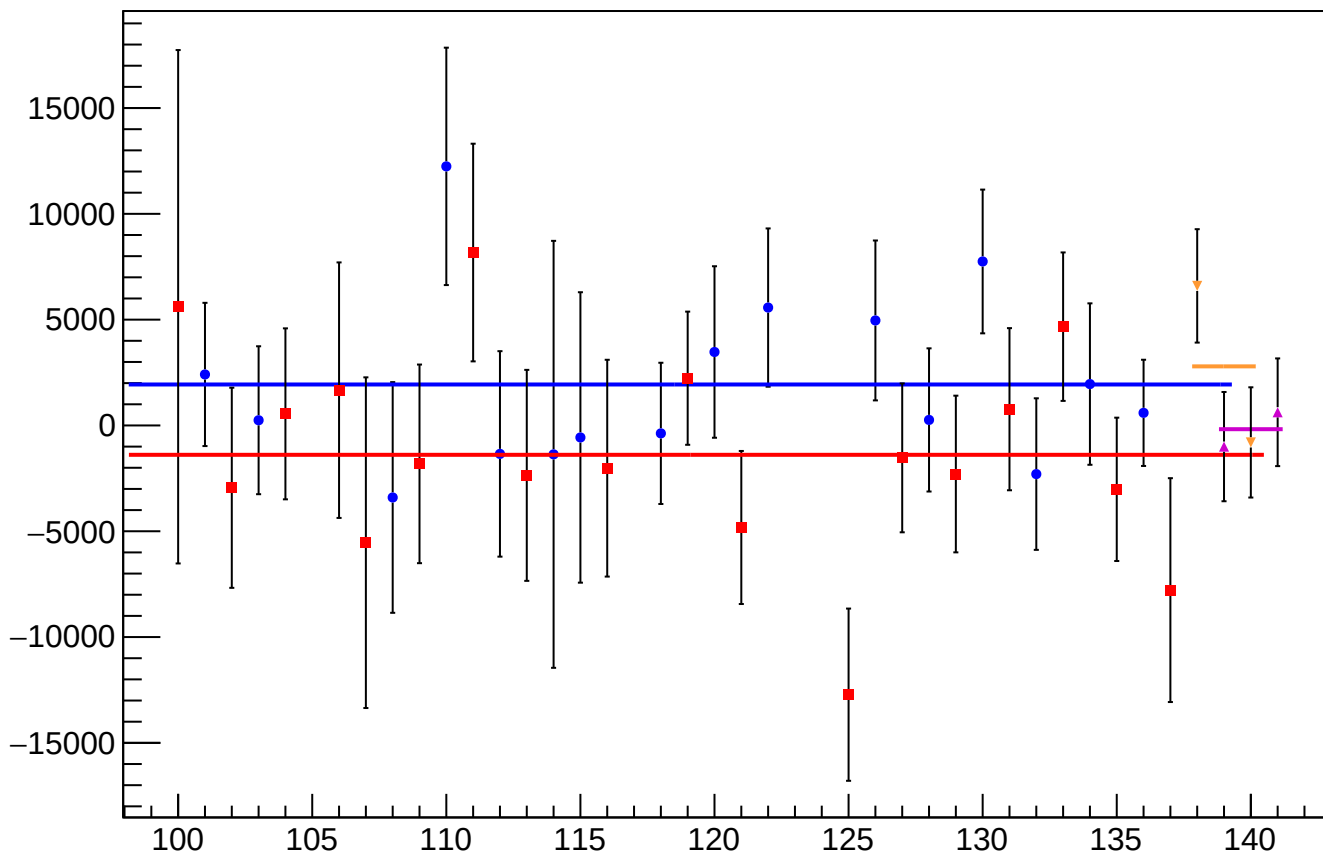
Left In: 1090.023+/-0.593 χ^2/NDF : 10496.3/1

+ sign 1014.909+/-0.256 χ^2/NDF : 1417093.6/17

All: 999.157+/-0.180 χ^2/NDF : 3819154.7/38

- sign 983.473+/-0.255 χ^2/NDF : 2394477.0/20

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

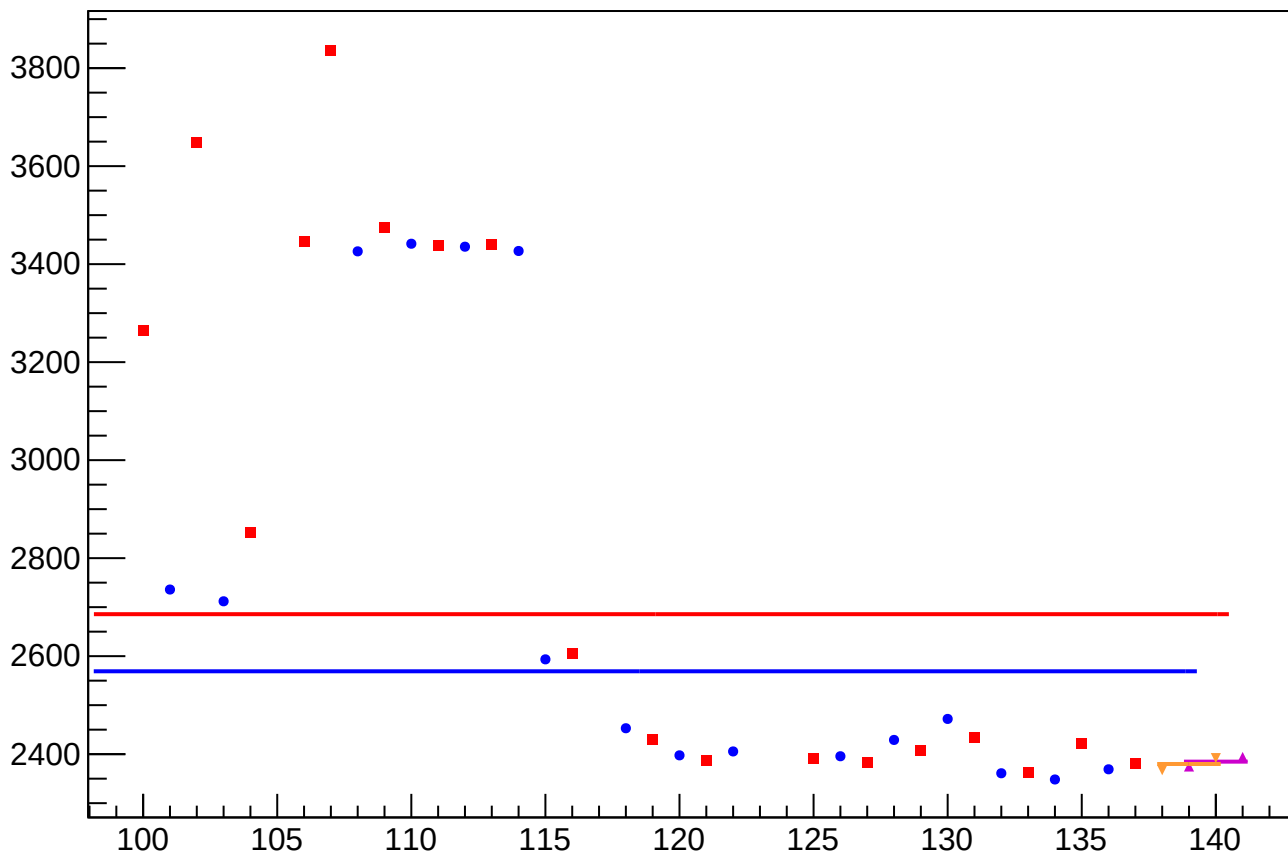
Left In: -176.863 $\pm$ 1812.283 χ^2 /NDF:0.2/1

+ sign 2115.518 $\pm$ 855.452 χ^2 /NDF: 16.4/17

All: 555.738 $\pm$ 613.947 χ^2 /NDF: 43.6/37

- sign -1101.020 $\pm$ 881.645 χ^2 /NDF: 20.3/19

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.5/15

Left Out: 2379.945+/-1.321 χ^2/NDF : 87.3/1

Right Out: 2685.675+/-0.714 χ^2/NDF : 419264.8/17

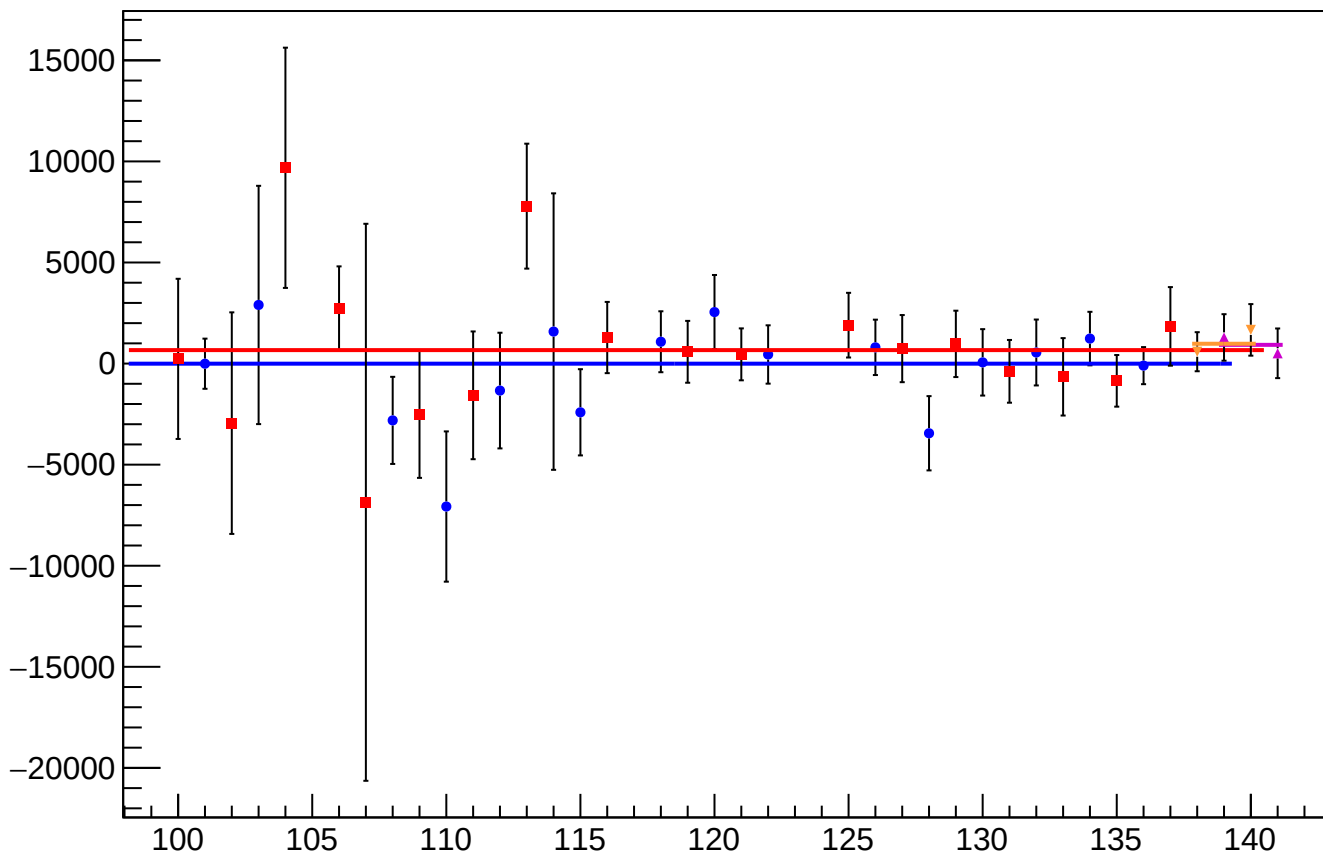
Left In: 2384.737+/-1.281 χ^2/NDF : 57.7/1

+ sign 2529.444+/-0.605 χ^2/NDF : 245789.7/17

All: 2570.667+/-0.434 χ^2/NDF : 716786.1/37

- sign 2614.453+/-0.623 χ^2/NDF : 461419.1/19

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 980.291 ± 770.107 χ^2/NDF : 0.5/1

Right Out: 665.952 ± 460.513 χ^2/NDF : 14.4/17

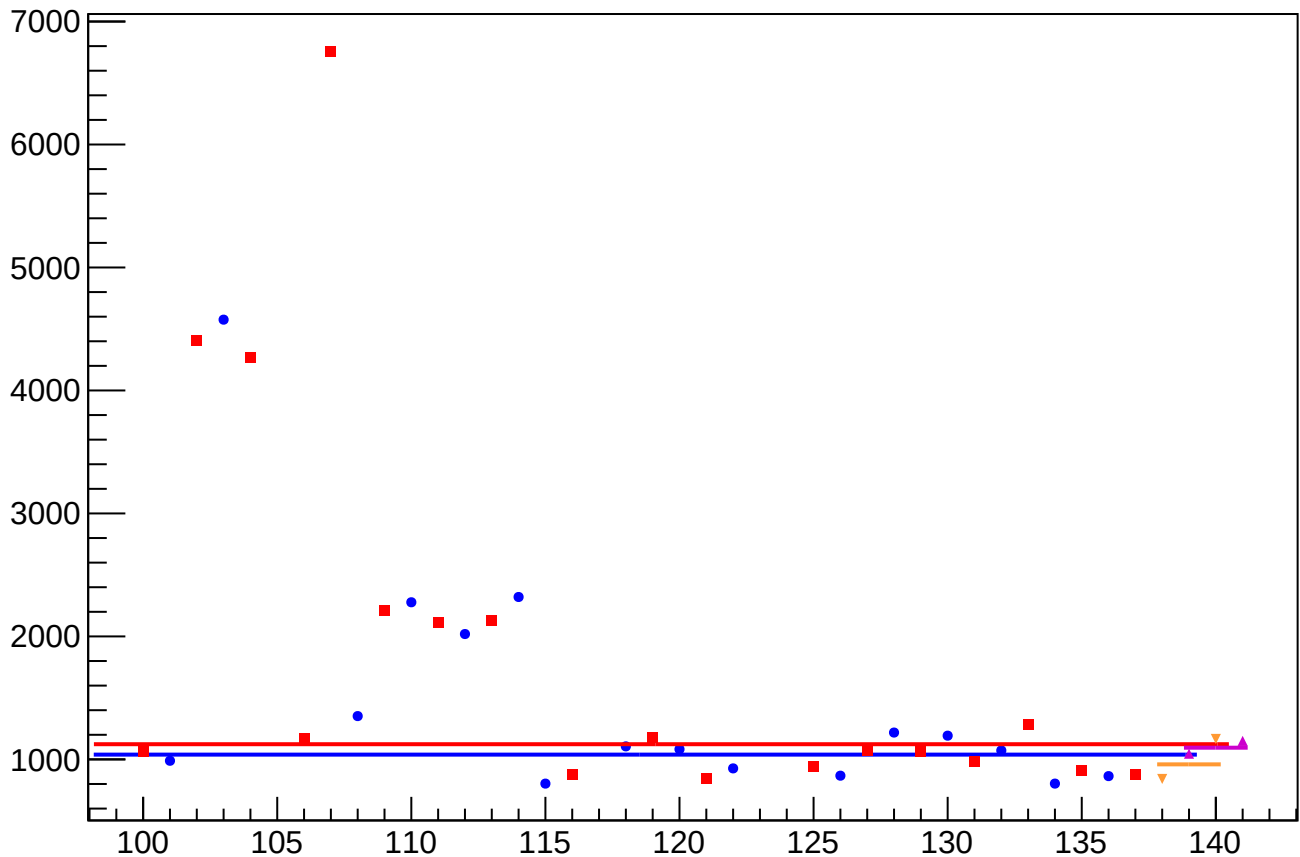
Left In: 925.971 ± 839.469 χ^2/NDF : 0.2/1

+ sign 214.325 ± 363.449 χ^2/NDF : 16.2/17

All: 443.403 ± 270.125 χ^2/NDF : 31.8/37

- sign 726.101 ± 403.751 χ^2/NDF : 14.7/19

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF : 1539731.1/15

Left Out: 959.602+/-0.545 χ^2/NDF : 82742.4/1

Right Out: 1123.474+/-0.326 χ^2/NDF : 2535511.7/17

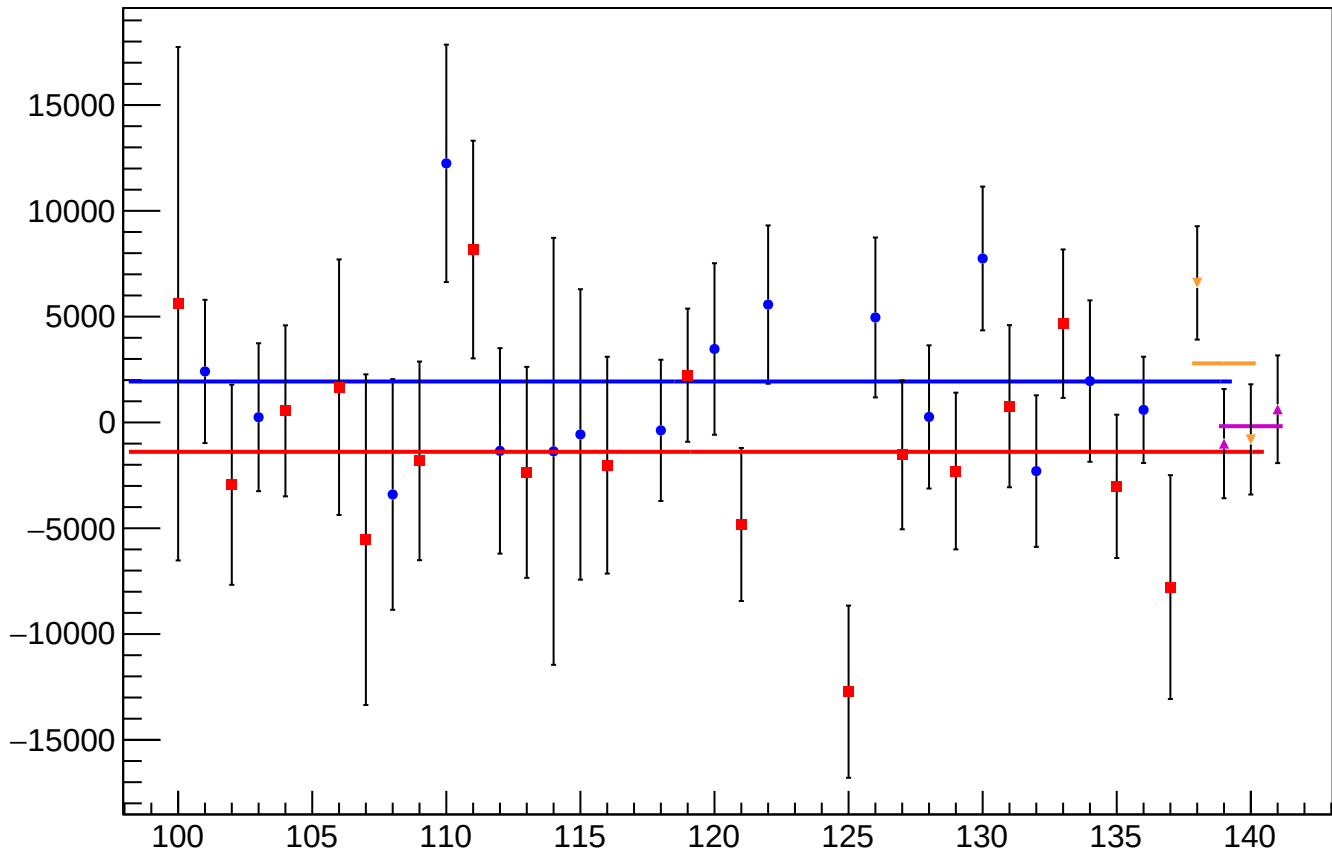
Left In: 1095.051+/-0.594 χ^2/NDF : 7688.1/1

+ sign 1021.162+/-0.257 χ^2/NDF : 1638915.5/17

All: 1064.015+/-0.191 χ^2/NDF : 4245994.1/37

- sign 1116.899+/-0.285 χ^2/NDF : 2544962.3/19

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

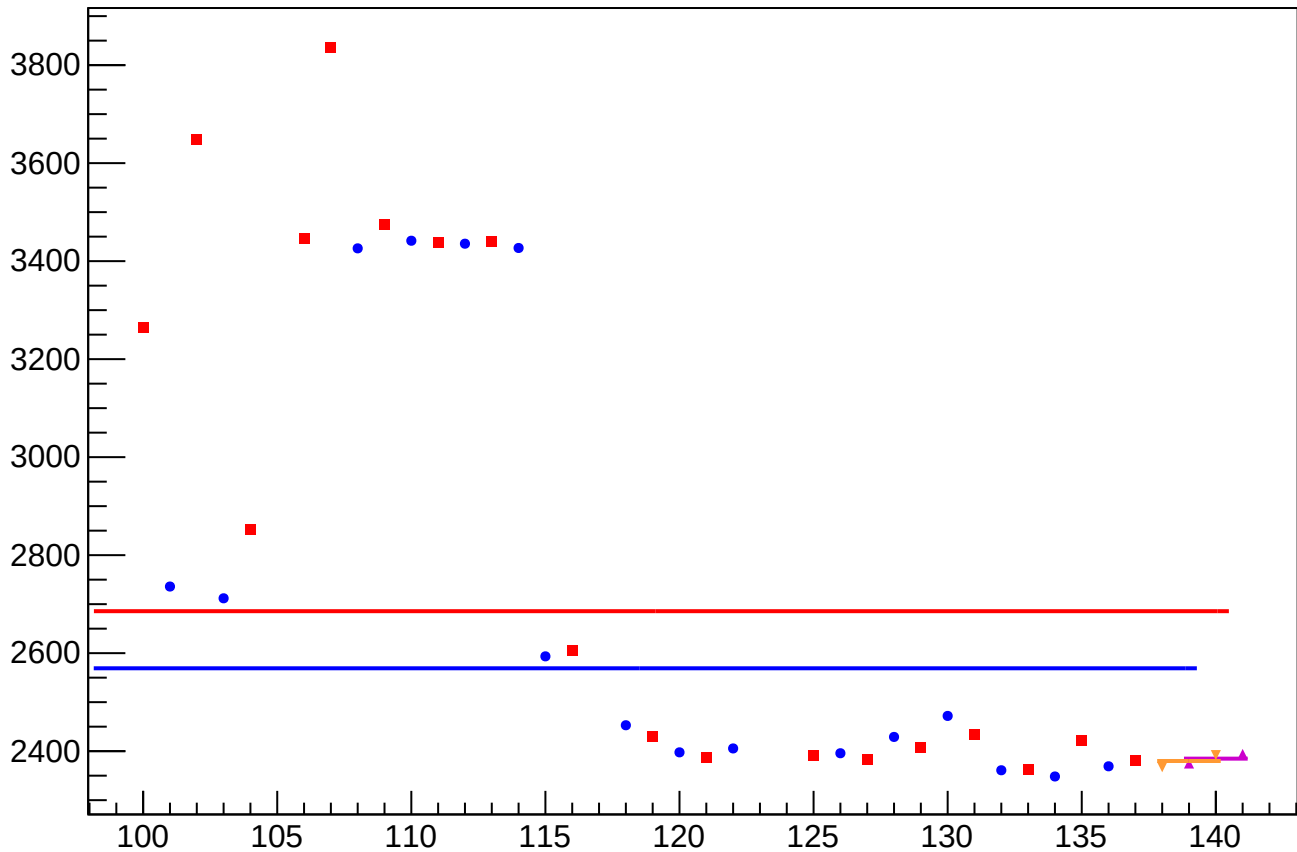
Left In: -176.862 $\pm$ 1812.283 χ^2 /NDF:0.2/1

+ sign 2115.516 $\pm$ 855.452 χ^2 /NDF: 16.4/17

All: 555.737 $\pm$ 613.947 χ^2 /NDF: 43.6/37

- sign -1101.018 $\pm$ 881.645 χ^2 /NDF: 20.3/19

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.3/15

Left Out: 2379.945+/-1.321 χ^2/NDF : 87.3/1

Right Out: 2685.674+/-0.714 χ^2/NDF : 419264.2/17

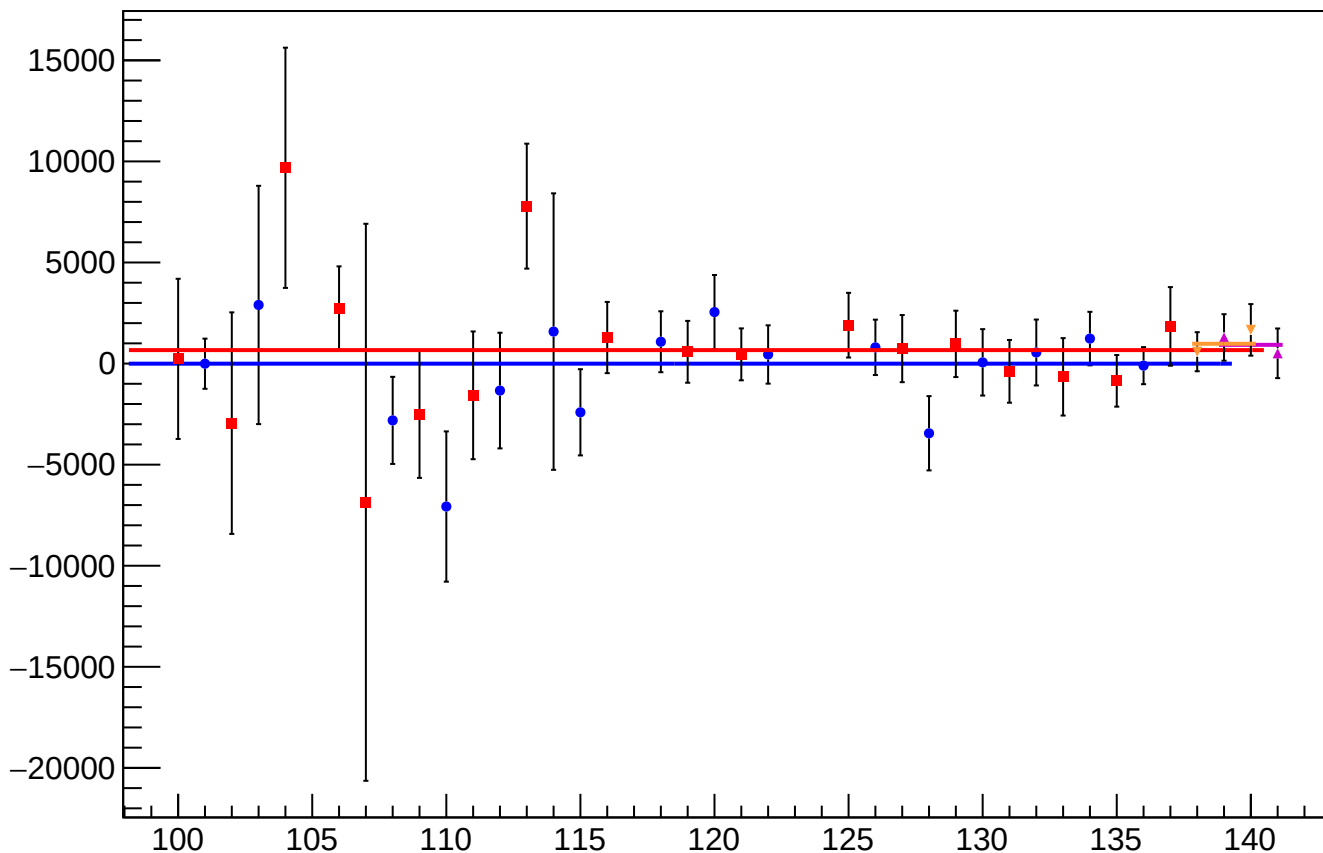
Left In: 2384.737+/-1.281 χ^2/NDF : 57.7/1

+ sign 2529.443+/-0.605 χ^2/NDF : 245789.4/17

All: 2570.666+/-0.434 χ^2/NDF : 716785.1/37

- sign 2614.453+/-0.623 χ^2/NDF : 461418.4/19

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 980.292 ± 770.108 χ^2/NDF : 0.5/1

Right Out: 665.953 ± 460.513 χ^2/NDF : 14.4/17

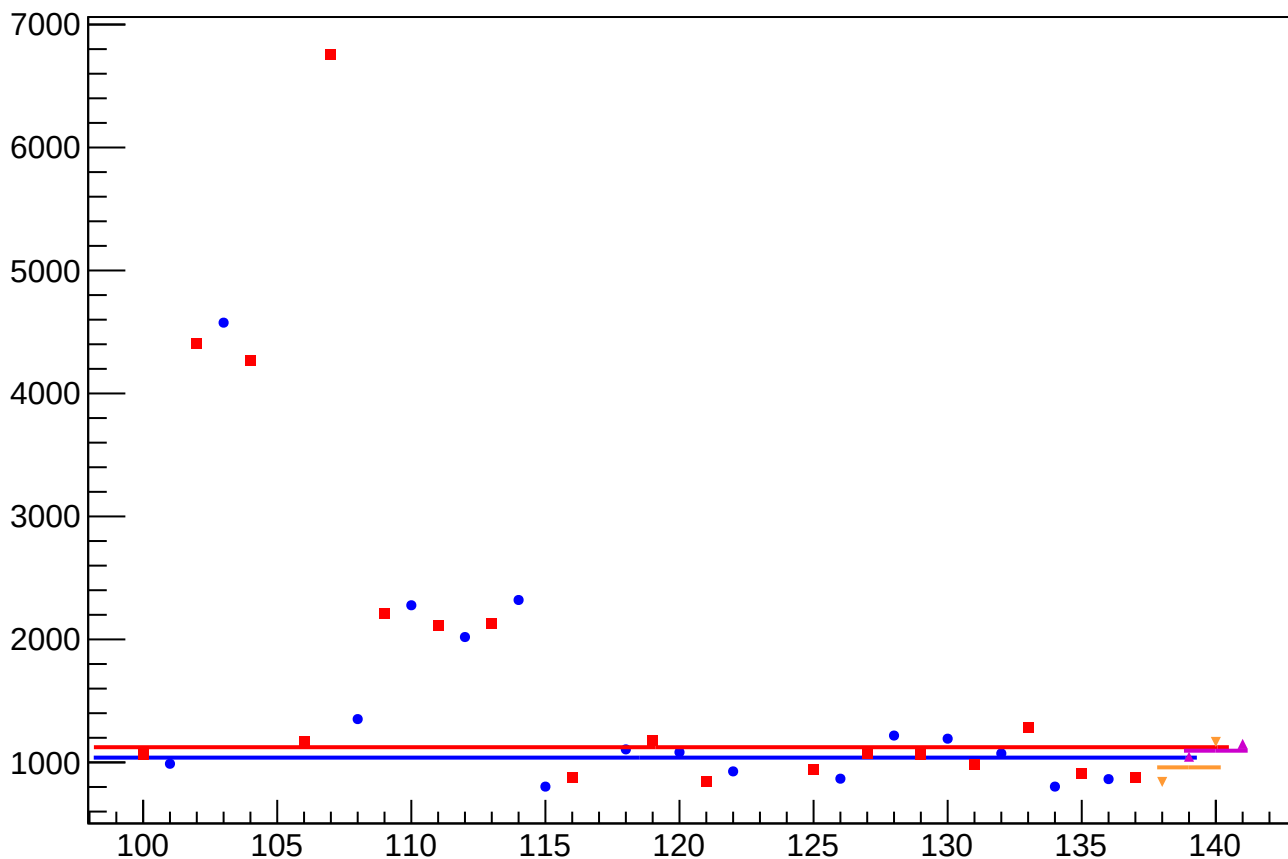
Left In: 925.974 ± 839.470 χ^2/NDF : 0.2/1

+ sign 214.323 ± 363.449 χ^2/NDF : 16.2/17

All: 443.402 ± 270.125 χ^2/NDF : 31.8/37

- sign 726.102 ± 403.751 χ^2/NDF : 14.7/19

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804 $\pm$ 0.292 χ^2 /NDF: 1539724.8/15

Left Out: 959.603 $\pm$ 0.545 χ^2 /NDF: 82742.9/1

Right Out: 1123.474 $\pm$ 0.326 χ^2 /NDF: 2535509.9/17

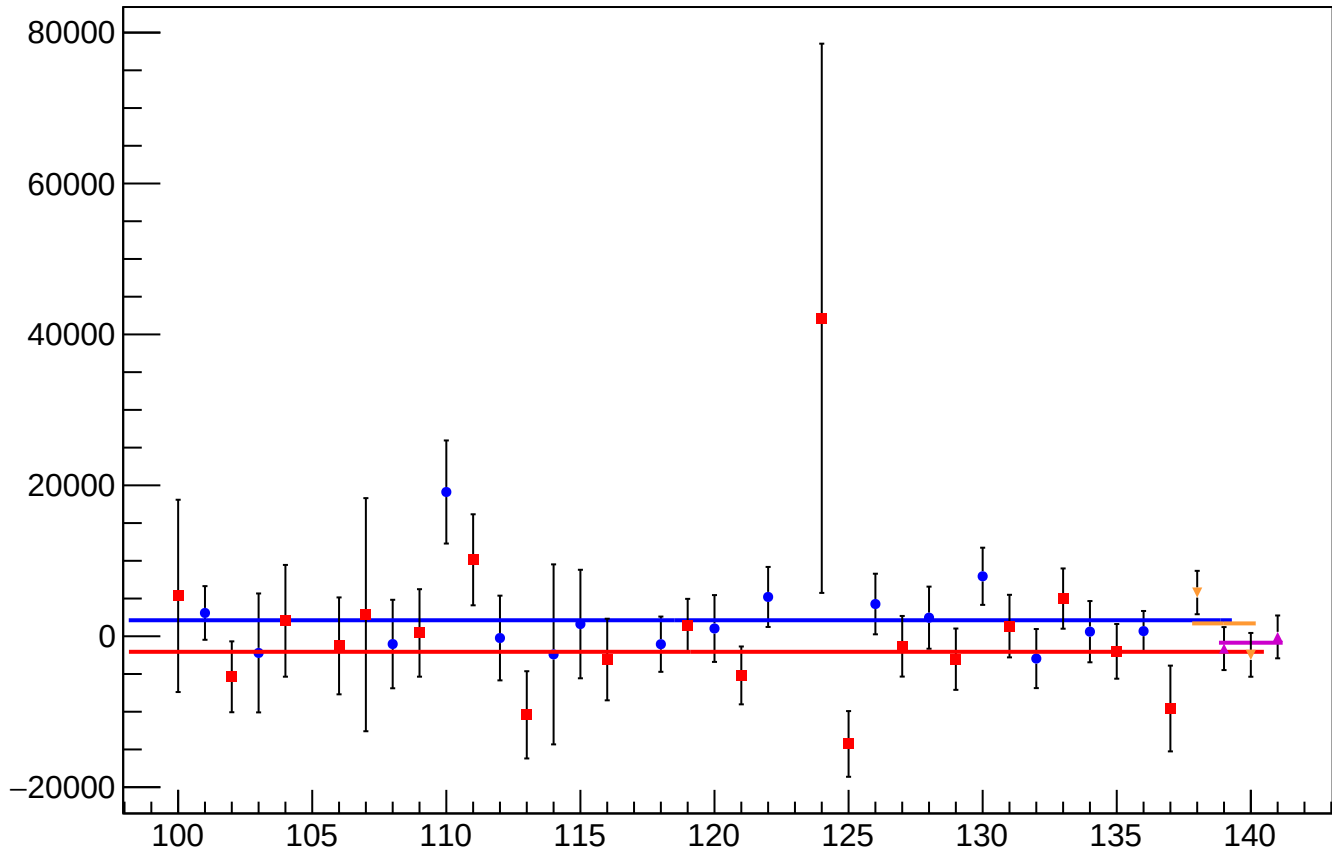
Left In: 1095.052 $\pm$ 0.594 χ^2 /NDF: 7688.2/1

+ sign 1021.163 $\pm$ 0.257 χ^2 /NDF: 1638909.8/17

All: 1064.016 $\pm$ 0.191 χ^2 /NDF: 4245986.0/37

- sign 1116.899 $\pm$ 0.285 χ^2 /NDF: 2544960.5/19

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

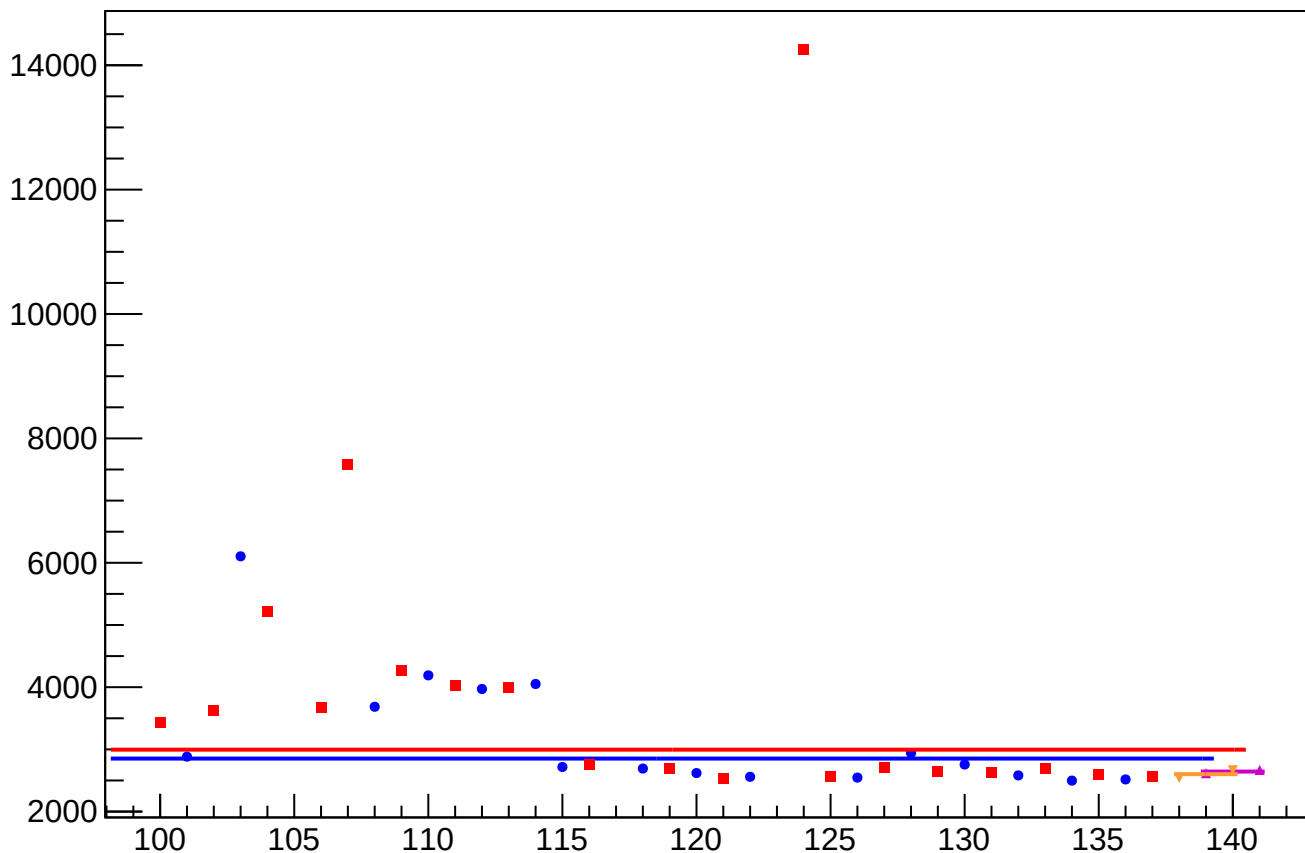
Left In: -854.702 $\pm$ 2010.360 χ^2 /NDF: 0.1/1

+ sign 2029.971 $\pm$ 958.005 χ^2 /NDF: 17.5/17

All: 192.602 $\pm$ 688.295 χ^2 /NDF: 49.8/38

- sign -1767.776 $\pm$ 989.553 χ^2 /NDF: 24.7/20

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF : 648715.2/15

Left Out: 2601.401+/-1.444 χ^2/NDF :1836.6/1

Right Out: 2995.525+/-0.804 χ^2/NDF : 979168.6/18

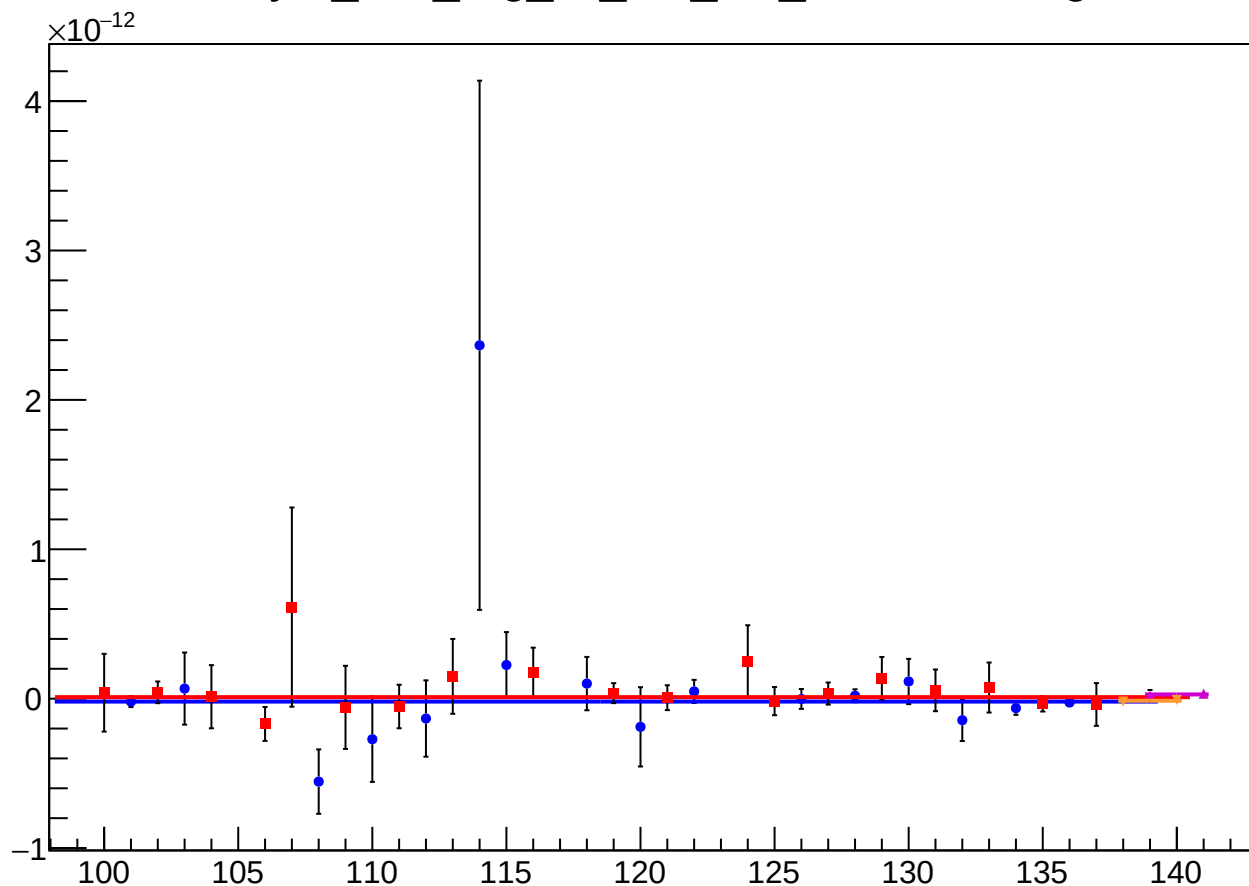
Left In: 2643.379+/-1.422 χ^2/NDF :334.3/1

+ sign 2797.038+/-0.677 χ^2/NDF : 674071.4/17

All: 2851.789+/-0.487 χ^2/NDF : 1713574.3/38

- sign 2910.205+/-0.700 χ^2/NDF : 1026000.9/20

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 8.3/18

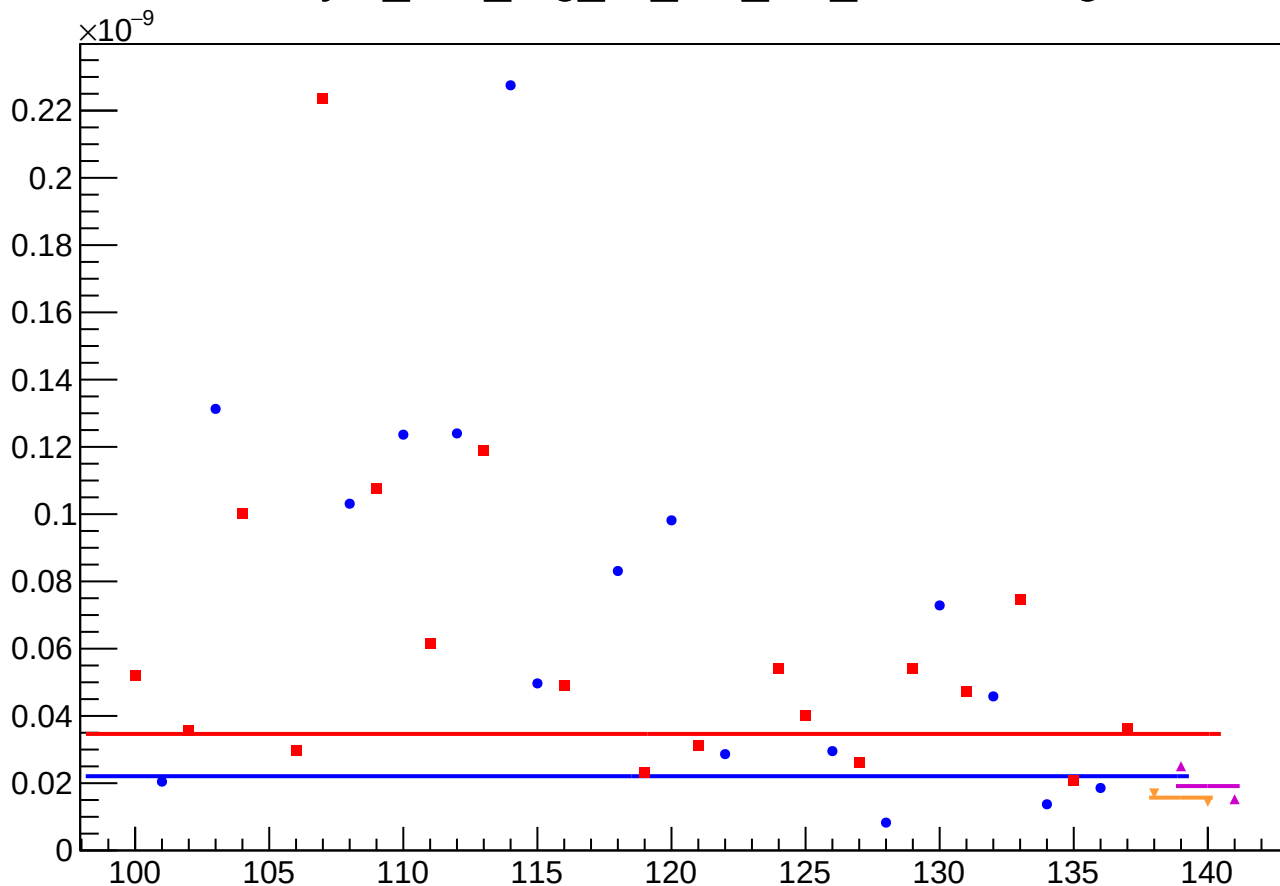
Left In: 0.000+/-0.000 χ^2 /NDF: 0.1/1

+ sign -0.000+/-0.000 χ^2 /NDF: 15.6/17

All: -0.000+/-0.000 χ^2 /NDF: 27.2/38

- sign 0.000+/-0.000 χ^2 /NDF: 8.7/20

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

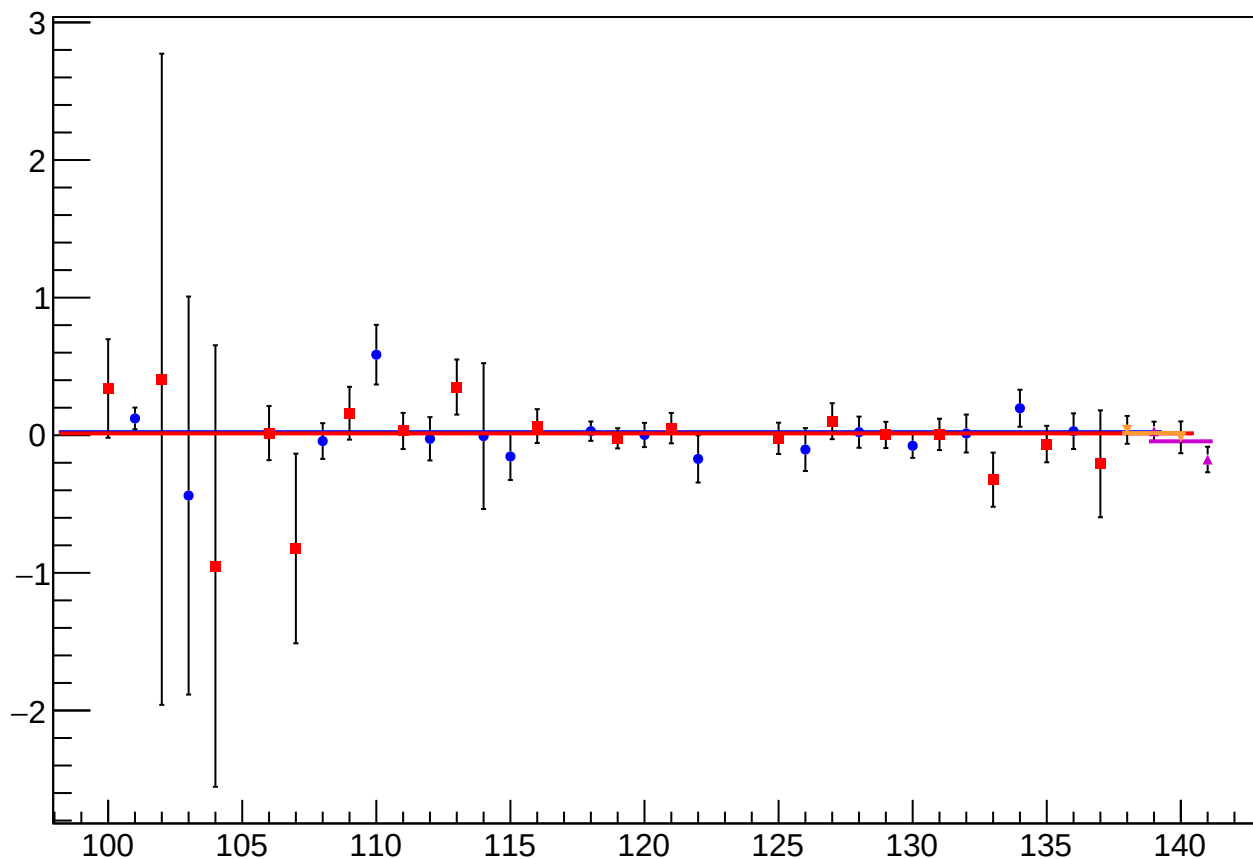
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 81547.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2480232.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4472011.0/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1738671.8/20

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 χ^2/NDF : 14.8/15

Left Out: 0.016 ± 0.076 χ^2/NDF : 0.1/1

Right Out: 0.013 ± 0.033 χ^2/NDF : 10.8/17

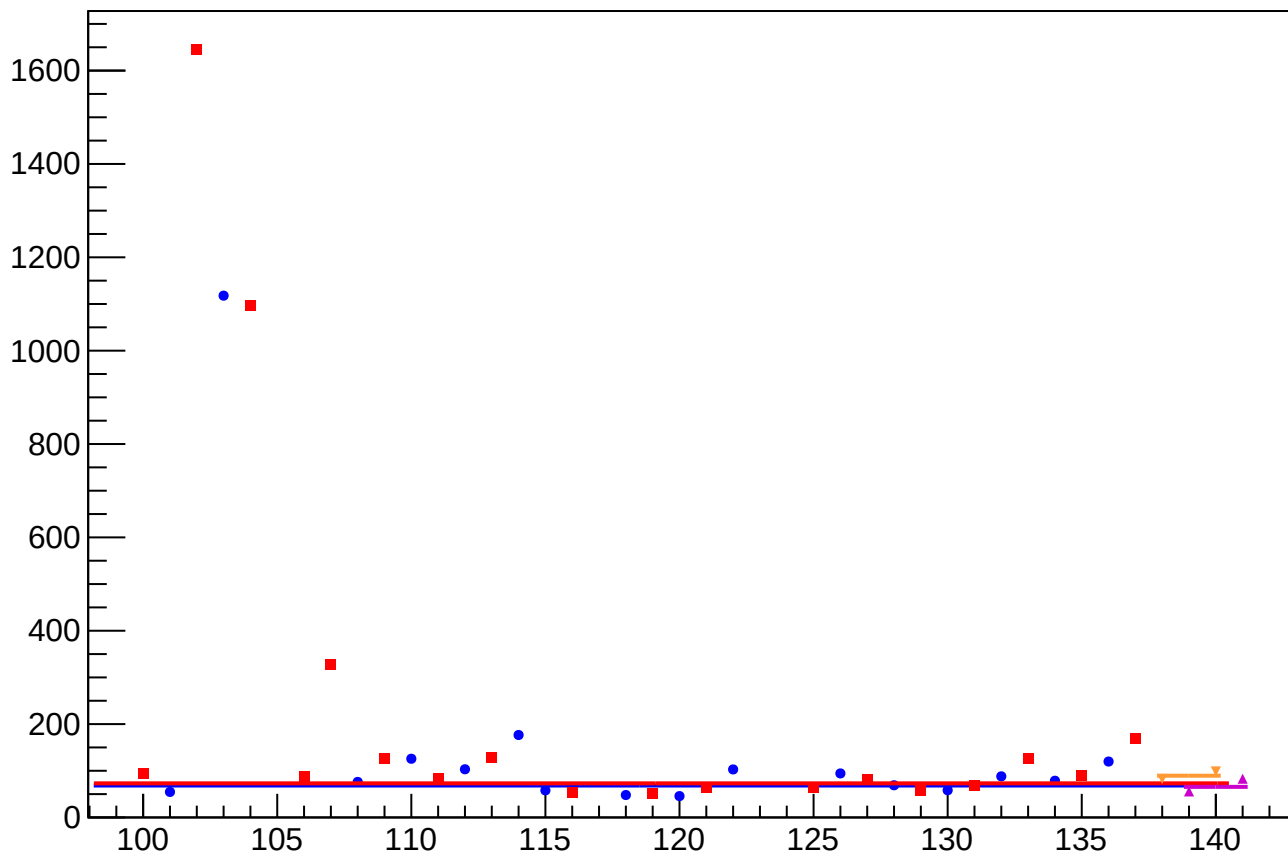
Left In: -0.044 ± 0.055 χ^2/NDF : 3.2/1

+ sign 0.021 ± 0.028 χ^2/NDF : 14.9/17

All: 0.010 ± 0.020 χ^2/NDF : 30.0/37

- sign -0.002 ± 0.029 χ^2/NDF : 14.8/19

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429 ± 0.021 $\chi^2/\text{NDF}: 2278083.9/15$

Left Out: 89.451 ± 0.054 $\chi^2/\text{NDF}: 22104.1/1$

Right Out: 73.072 ± 0.024 $\chi^2/\text{NDF}: 2913147.6/17$

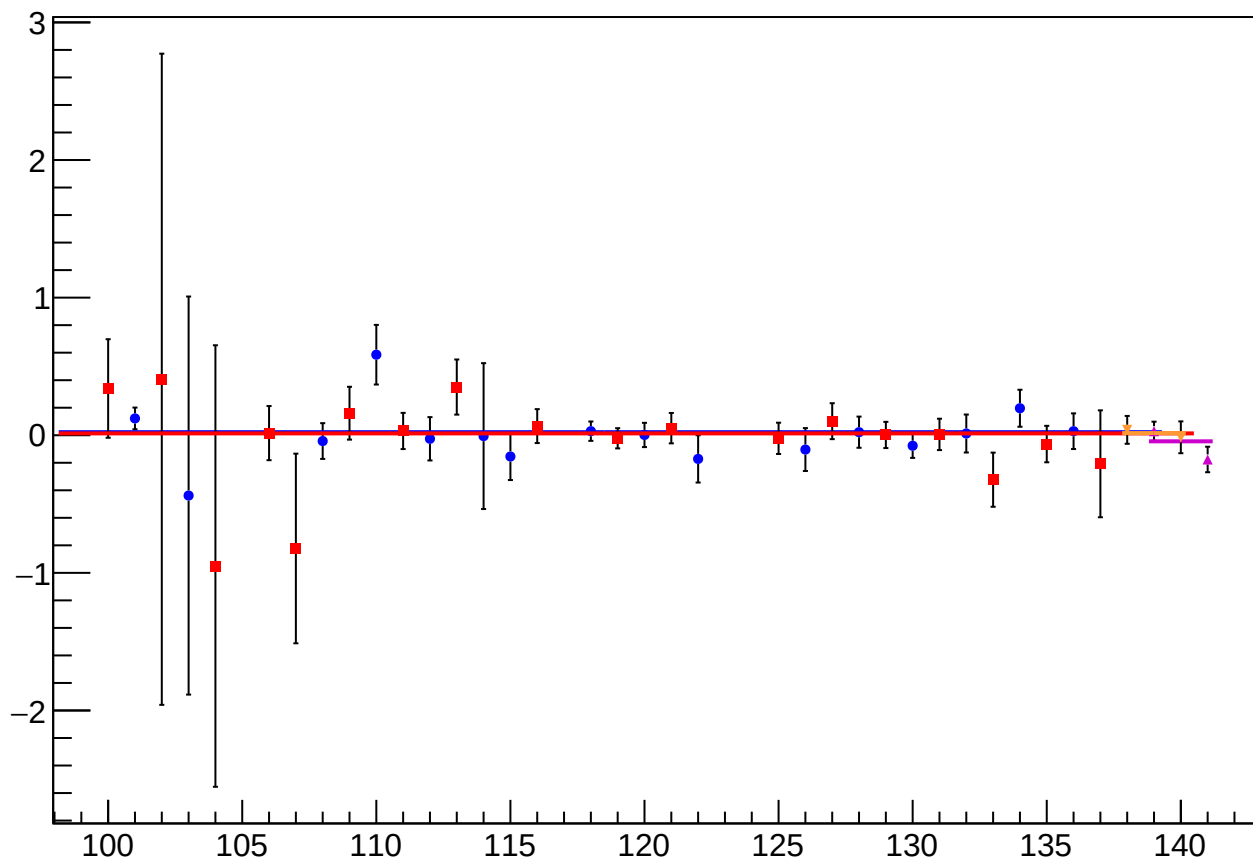
Left In: 65.542 ± 0.039 $\chi^2/\text{NDF}: 110421.2/1$

+ sign 71.279 ± 0.020 $\chi^2/\text{NDF}: 2431978.9/17$

All: 71.173 ± 0.014 $\chi^2/\text{NDF}: 5482616.7/37$

- sign 71.062 ± 0.020 $\chi^2/\text{NDF}: 3050579.4/19$

asym_atl1_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

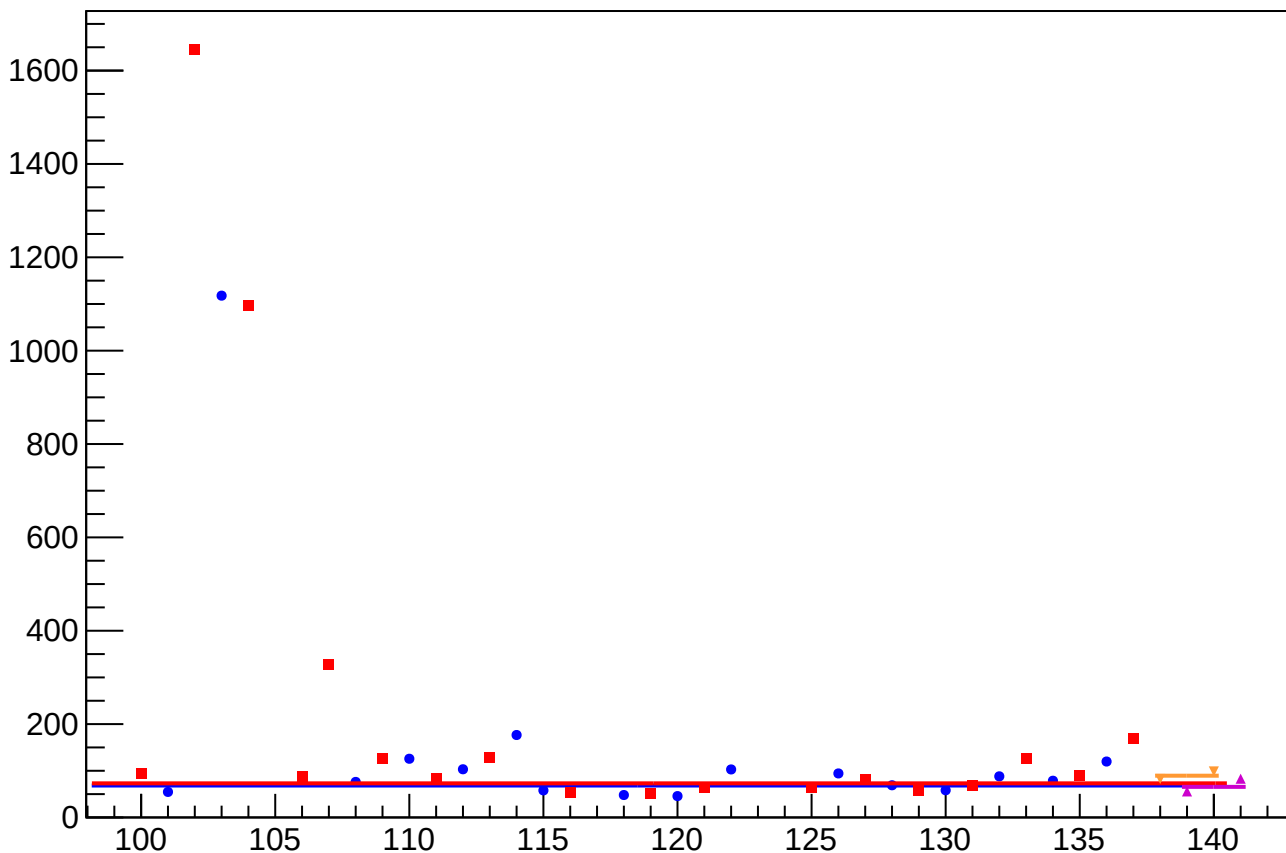
Left In: -0.044 $\pm$ 0.055 χ^2 /NDF:3.2/1

+ sign 0.021 $\pm$ 0.028 χ^2 /NDF: 14.9/17

All: 0.010 $\pm$ 0.020 χ^2 /NDF: 30.0/37

- sign -0.002 $\pm$ 0.029 χ^2 /NDF: 14.8/19

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

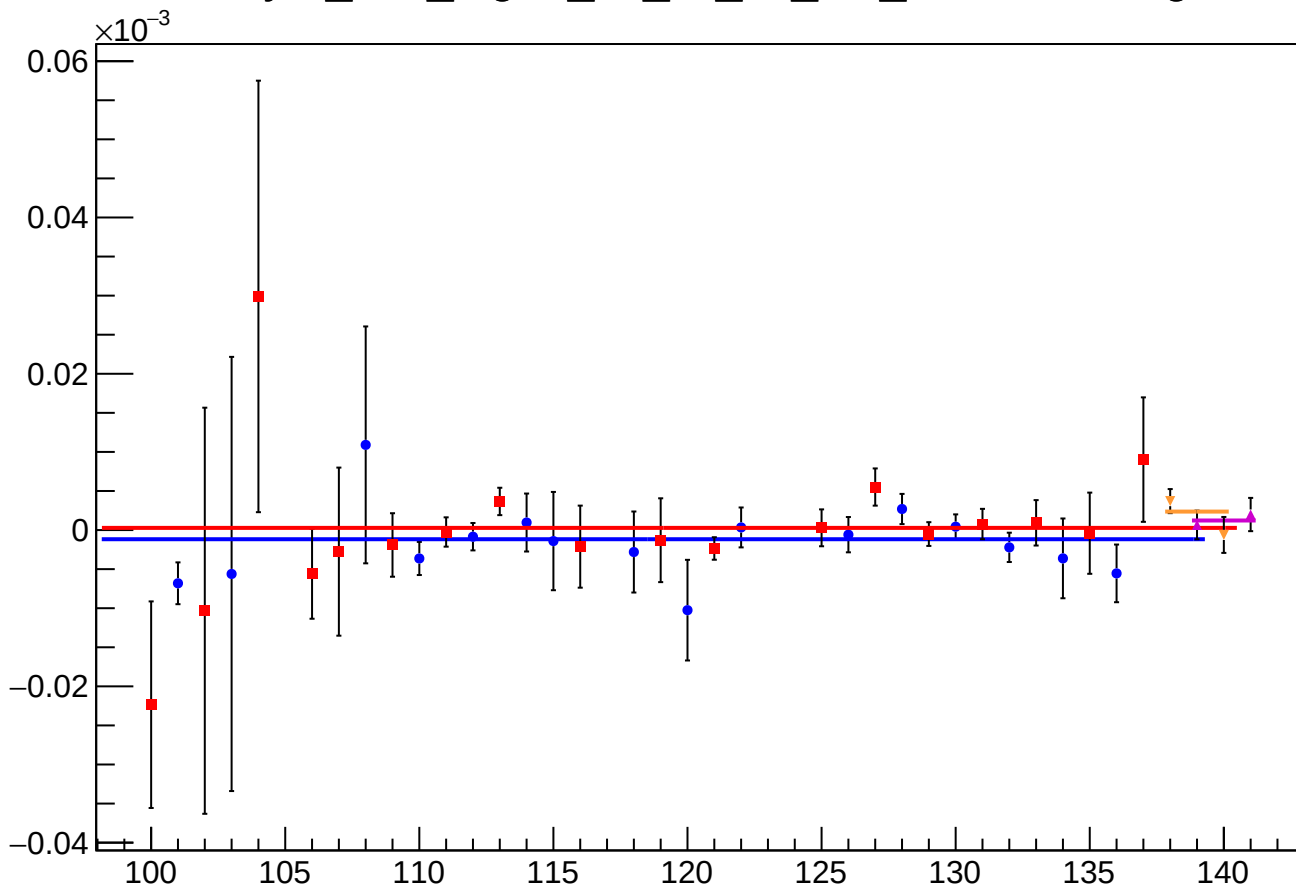
Left In: 65.542 $\pm$ 0.039 χ^2 /NDF:110421.2/1

+ sign 71.279 $\pm$ 0.020 χ^2 /NDF: 2431978.9/17

All: 71.173 $\pm$ 0.014 χ^2 /NDF: 5482616.7/37

- sign 71.062 $\pm$ 0.020 χ^2 /NDF: 3050579.4/19

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.4/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.5/17

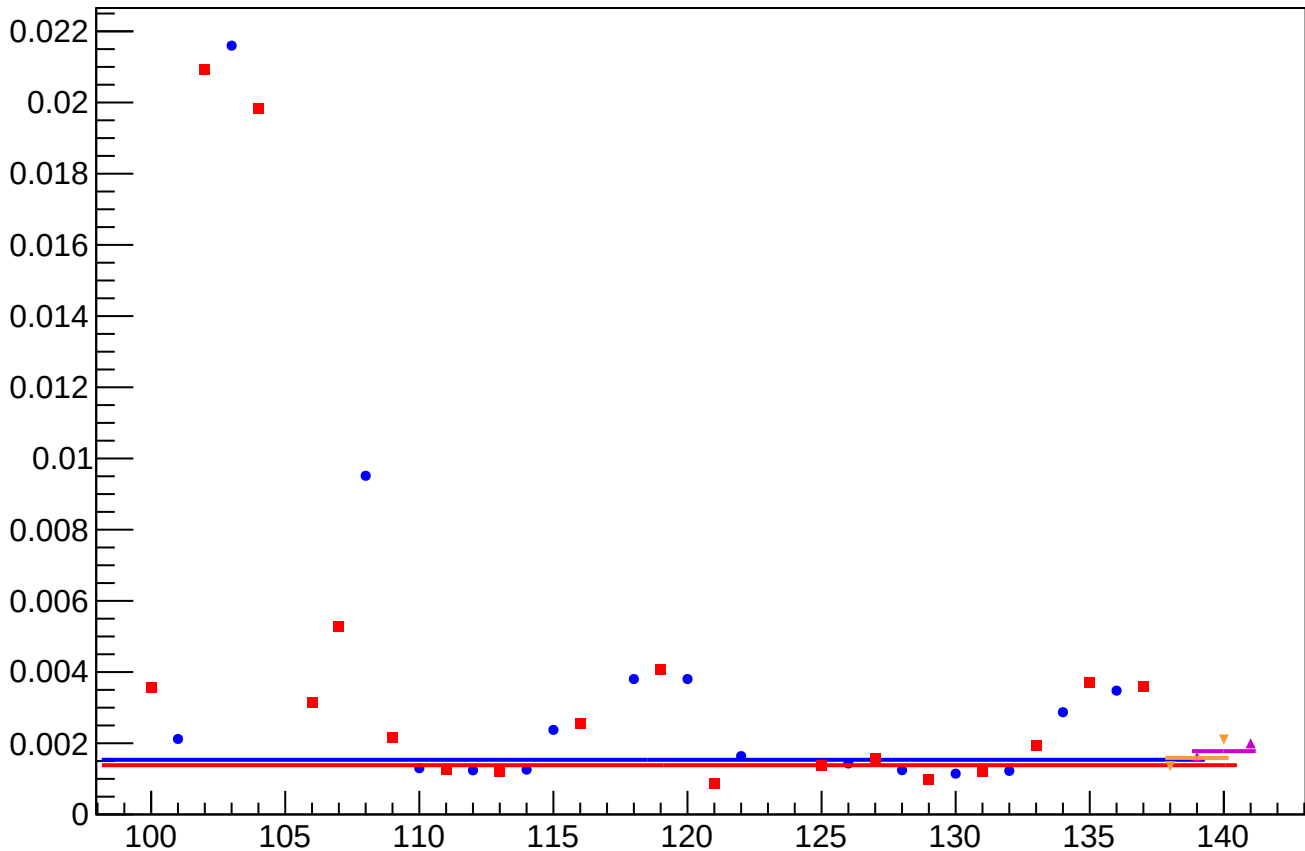
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.8/17

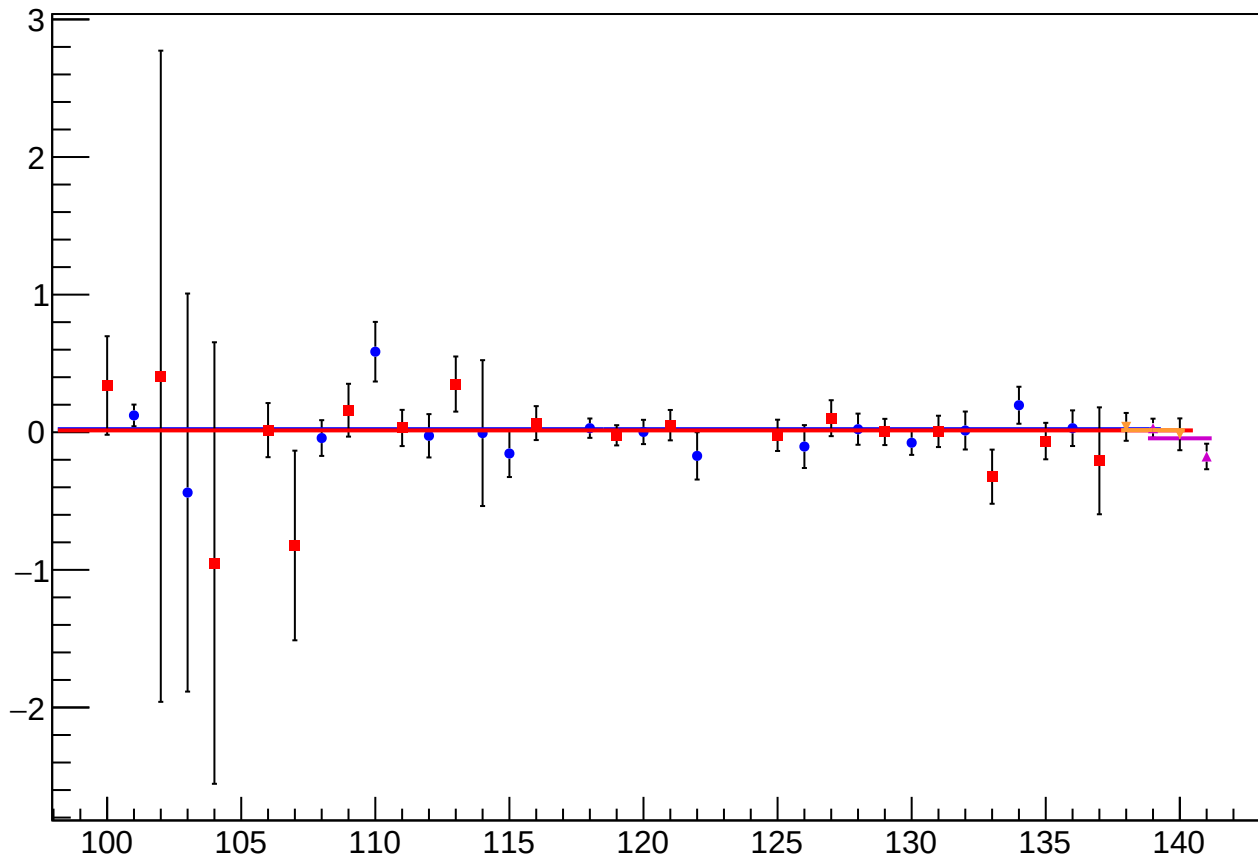
All: 0.000 ± 0.000 χ^2/NDF : 46.0/37

- sign 0.000 ± 0.000 χ^2/NDF : 20.1/19

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



asym_atl1_eigen_dit_vs_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

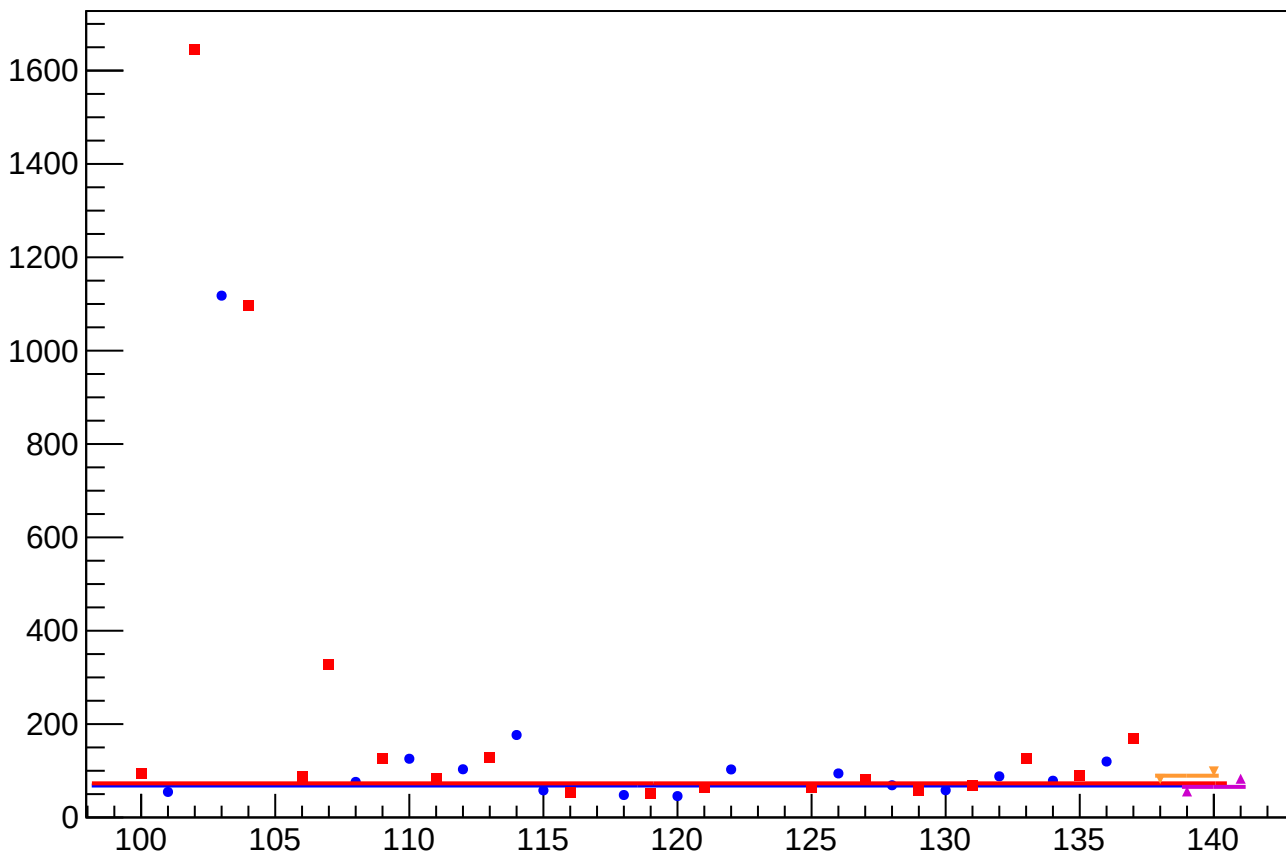
Left In: -0.044 $\pm$ 0.055 χ^2 /NDF: 3.2/1

+ sign 0.021 $\pm$ 0.028 χ^2 /NDF: 14.9/17

All: 0.010 $\pm$ 0.020 χ^2 /NDF: 30.0/37

- sign -0.002 $\pm$ 0.029 χ^2 /NDF: 14.8/19

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428 ± 0.021 χ^2/NDF : 2278168.9/15

Left Out: 89.451 ± 0.054 χ^2/NDF : 22101.4/1

Right Out: 73.072 ± 0.024 χ^2/NDF : 2913161.9/17

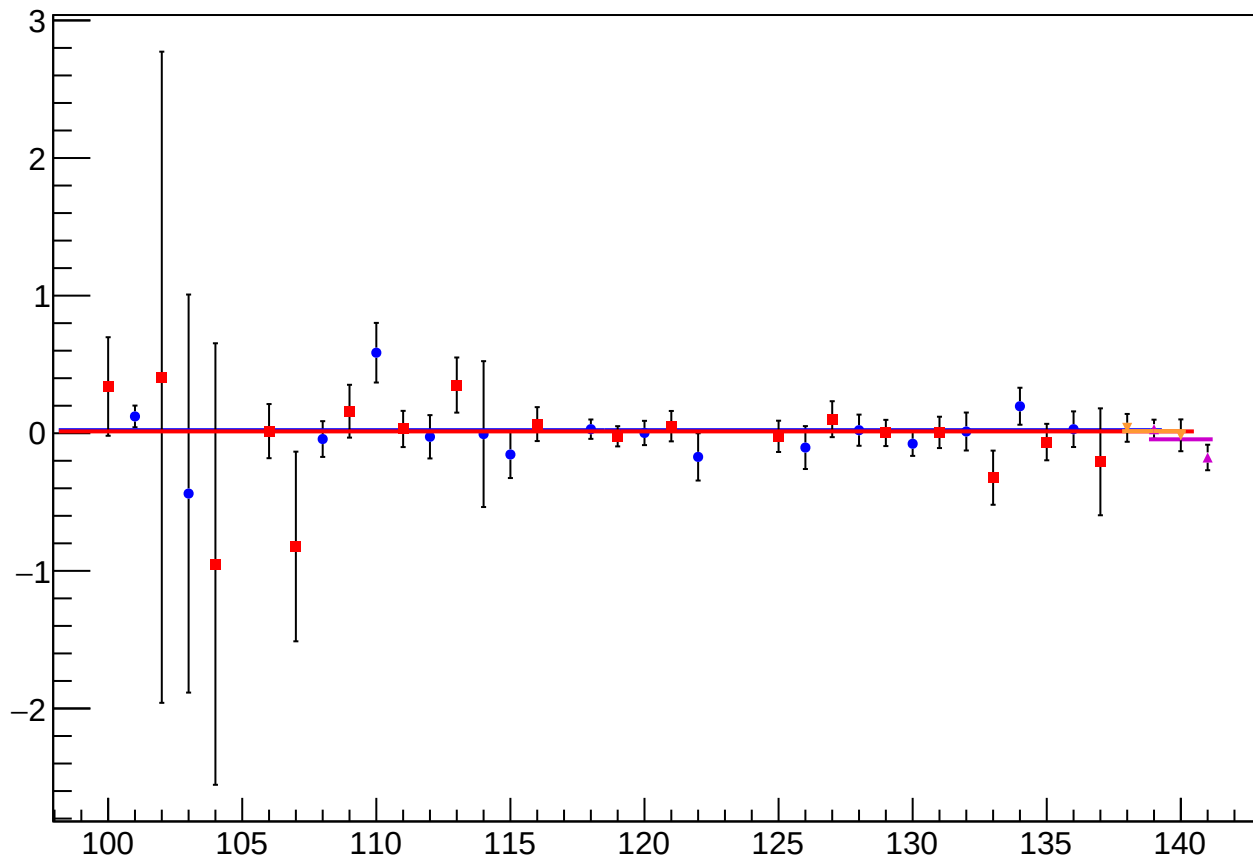
Left In: 65.542 ± 0.039 χ^2/NDF : 110417.5/1

+ sign 71.278 ± 0.020 χ^2/NDF : 2432071.9/17

All: 71.172 ± 0.014 χ^2/NDF : 5482717.4/37

- sign 71.062 ± 0.020 χ^2/NDF : 3050587.3/19

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

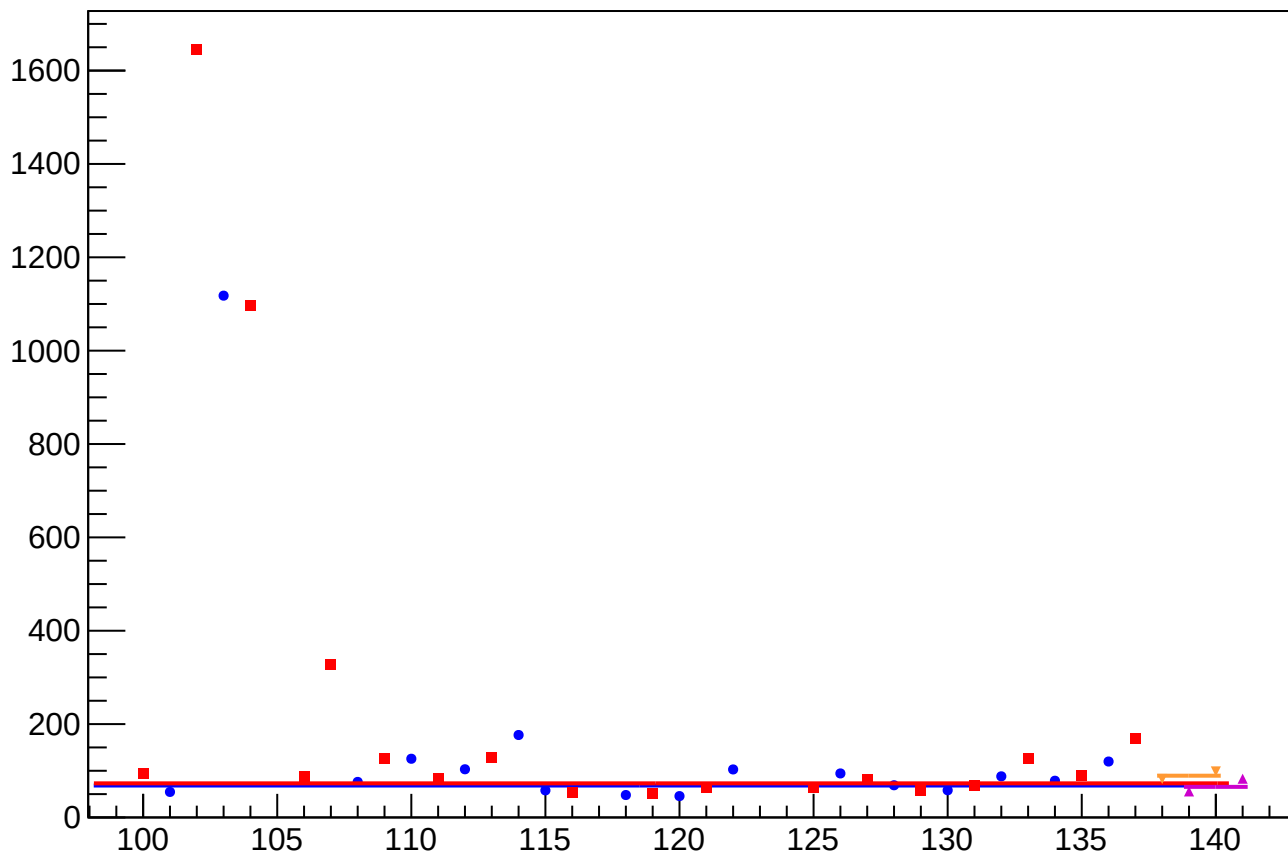
Left In: -0.044 $\pm$ 0.055 χ^2 /NDF:3.2/1

+ sign 0.021 $\pm$ 0.028 χ^2 /NDF: 14.9/17

All: 0.010 $\pm$ 0.020 χ^2 /NDF: 30.0/37

- sign -0.002 $\pm$ 0.029 χ^2 /NDF: 14.8/19

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2 /NDF: 2278168.9/15

Left Out: 89.451+/-0.054 χ^2 /NDF:22101.4/1

Right Out: 73.072+/-0.024 χ^2 /NDF: 2913161.9/17

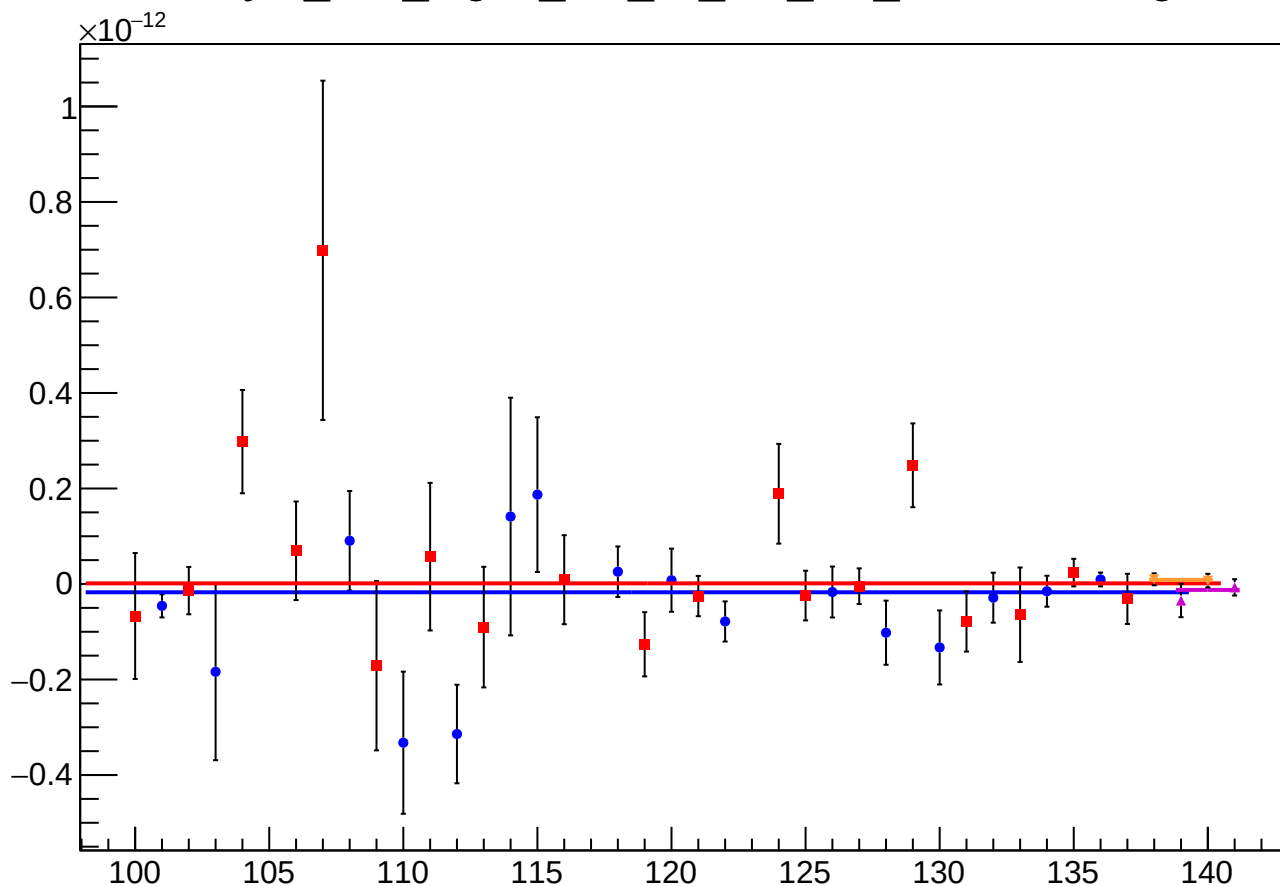
Left In: 65.542+/-0.039 χ^2 /NDF:110417.5/1

+ sign 71.278+/-0.020 χ^2 /NDF: 2432071.9/17

All: 71.172+/-0.014 χ^2 /NDF: 5482717.4/37

- sign 71.062+/-0.020 χ^2 /NDF: 3050587.3/19

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.3/18

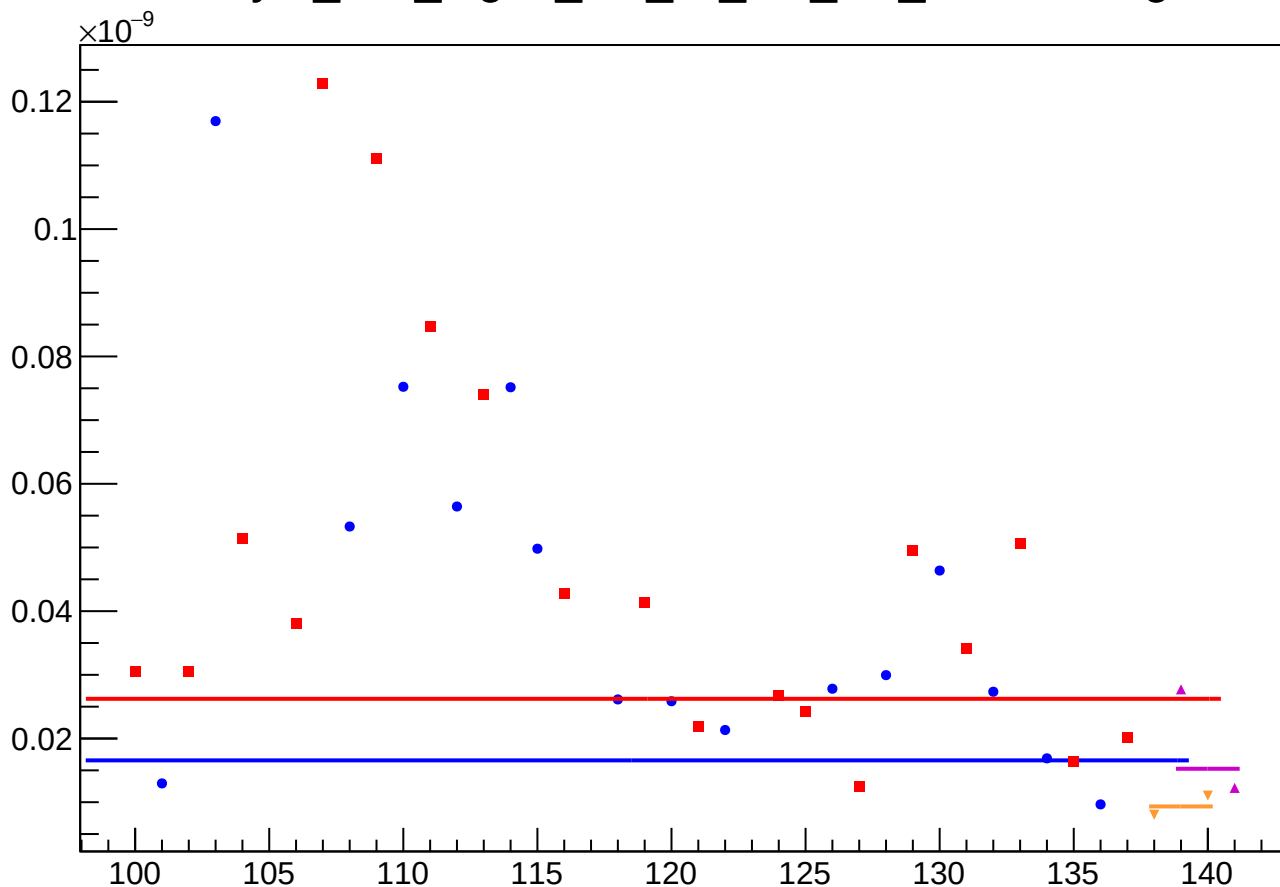
Left In: -0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign -0.000 ± 0.000 χ^2/NDF : 31.9/17

All: -0.000 ± 0.000 χ^2/NDF : 65.1/38

- sign -0.000 ± 0.000 χ^2/NDF : 33.2/20

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

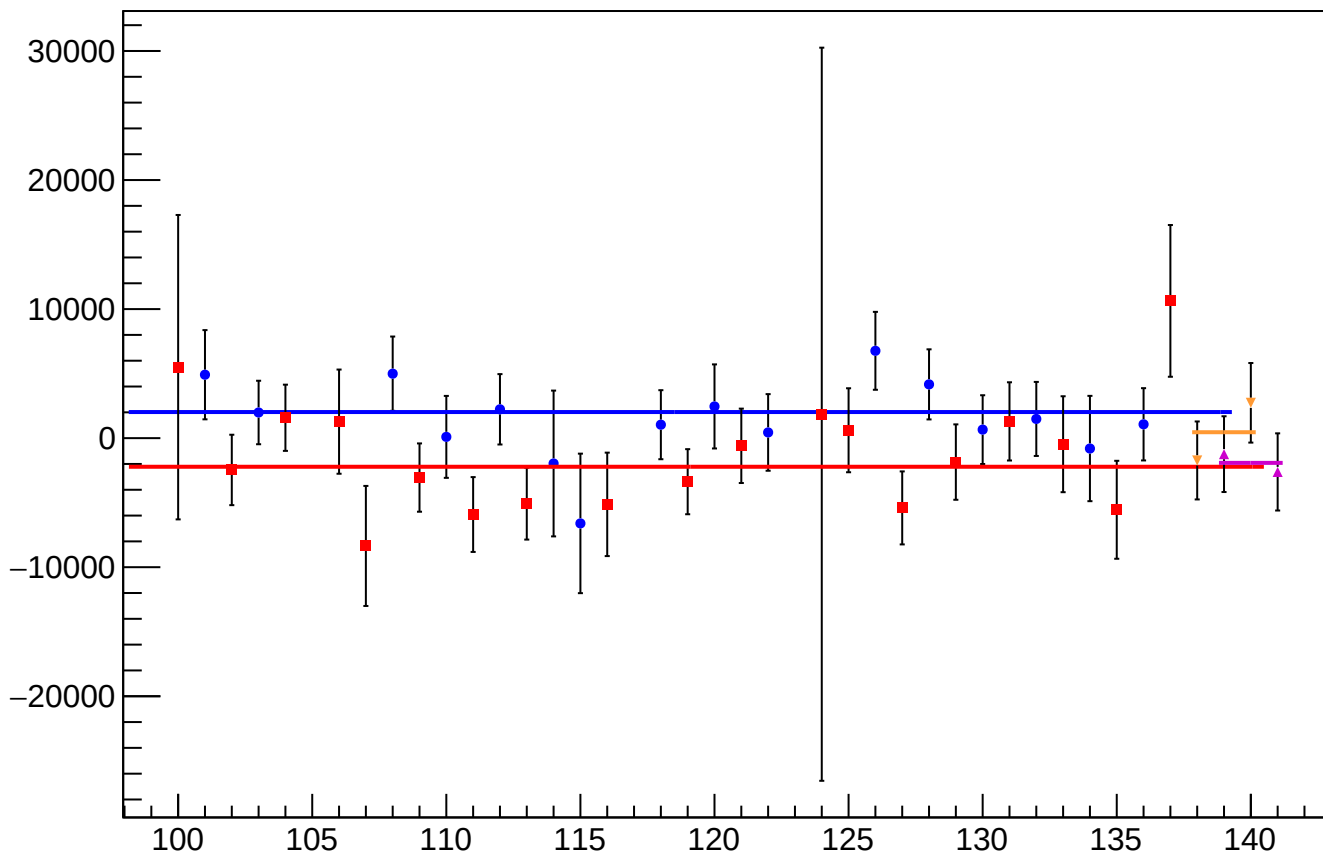
Left In: 0.000+/-0.000 χ^2/NDF :317940.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3429131.5/17

All: 0.000+/-0.000 χ^2/NDF : 7550885.5/38

- sign 0.000+/-0.000 χ^2/NDF : 3214017.2/20

reg_asym_atl2_mean vs Slug



Right In: 2022.690 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 459.271 $\pm$ 2157.856 χ^2 /NDF: 1.1/1

Right Out: -2217.261 $\pm$ 756.139 χ^2 /NDF: 18.1/18

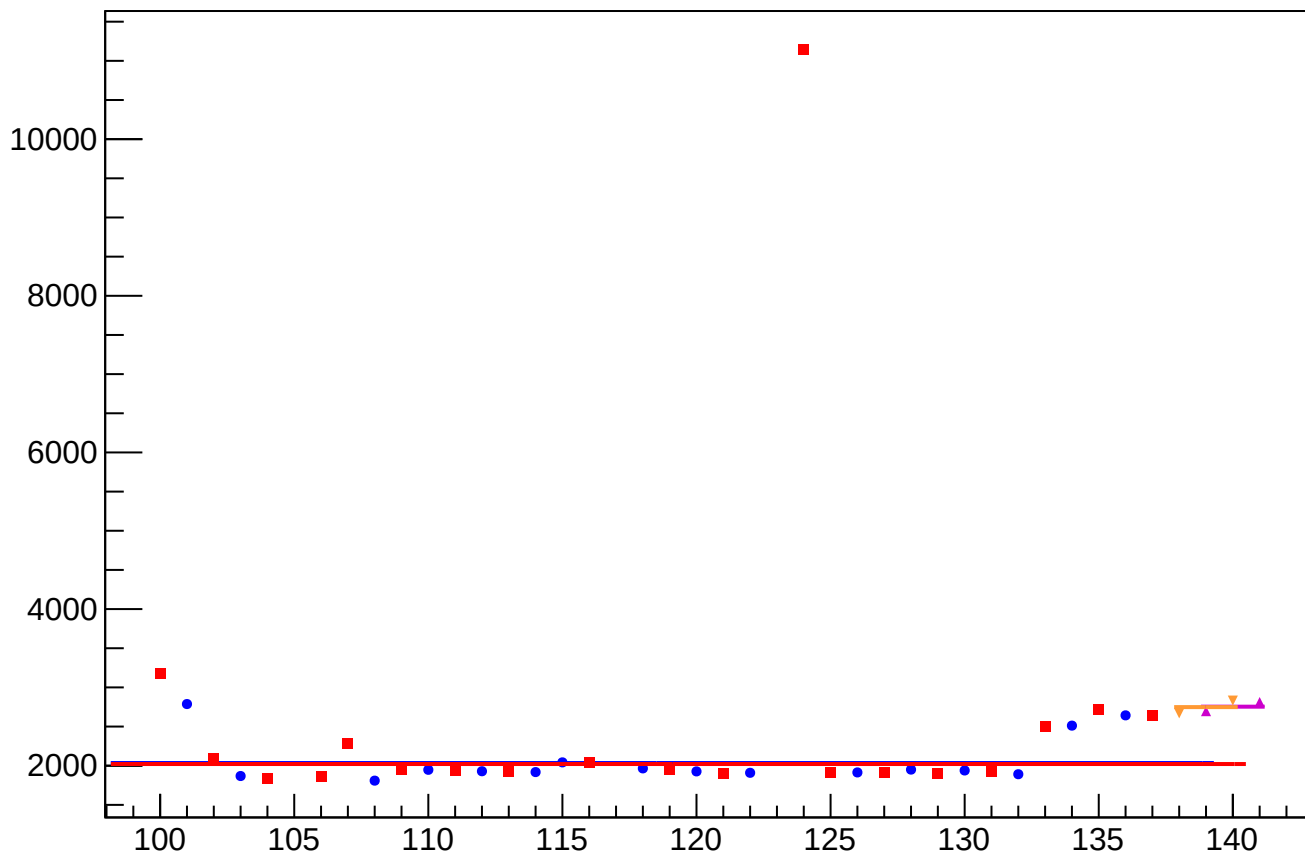
Left In: -1916.292 $\pm$ 2094.636 χ^2 /NDF: 0.1/1

+ sign 1848.394 $\pm$ 720.491 χ^2 /NDF: 11.1/17

All: -193.193 $\pm$ 506.154 χ^2 /NDF: 45.3/38

- sign -2182.563 $\pm$ 711.218 χ^2 /NDF: 18.3/20

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.7/15

Left Out: 2748.371+/-1.526 χ^2/NDF : 2832.8/1

Right Out: 2021.545+/-0.535 χ^2/NDF : 390321.3/18

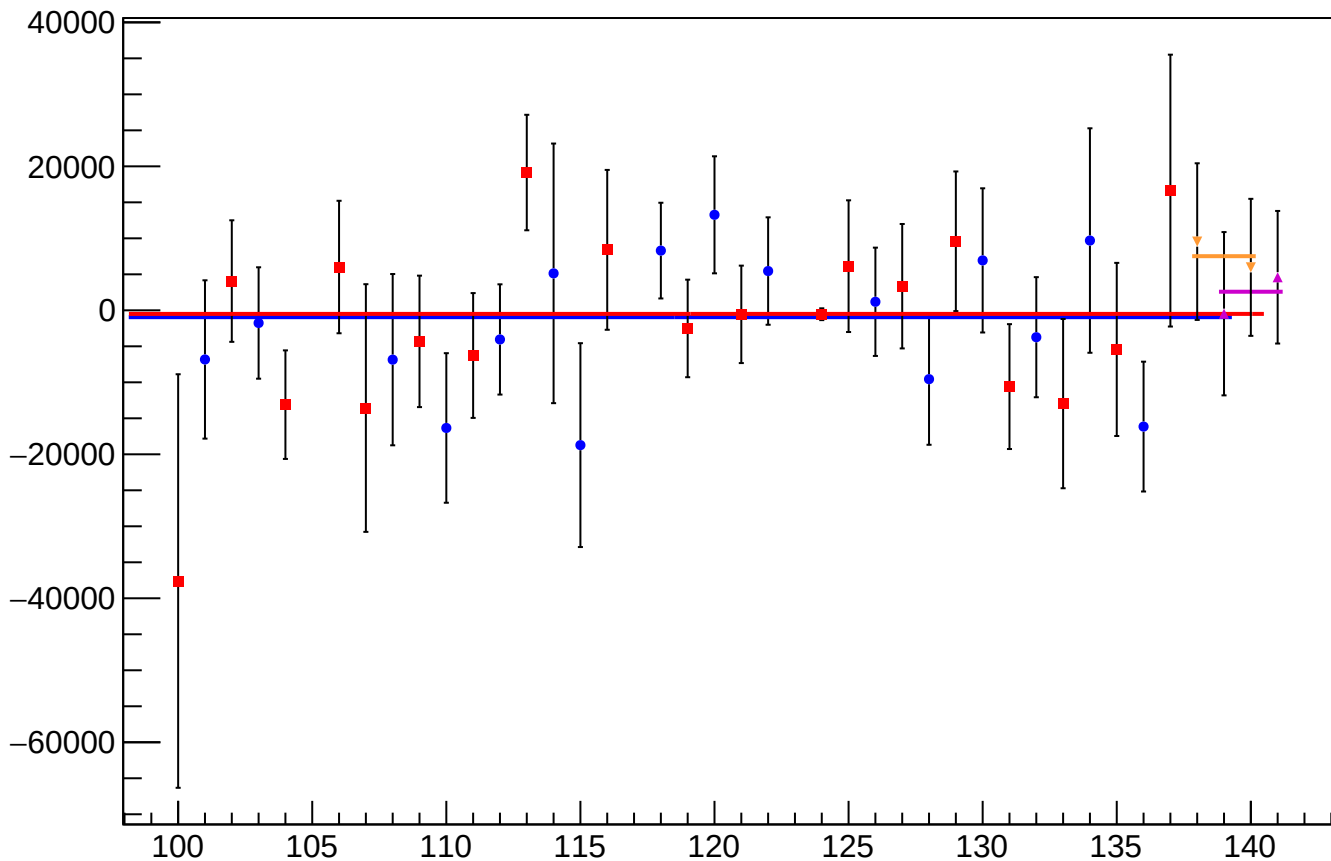
Left In: 2753.847+/-1.481 χ^2/NDF : 1540.5/1

+ sign 2113.782+/-0.509 χ^2/NDF : 460466.2/17

All: 2109.826+/-0.358 χ^2/NDF : 1068716.3/38

- sign 2105.971+/-0.503 χ^2/NDF : 608131.1/20

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519 ± 2278.532 χ^2/NDF : 15.3/15

Left Out: 7519.864 ± 7162.451 χ^2/NDF : 0.1/1

Right Out: -497.346 ± 768.286 χ^2/NDF : 18.5/18

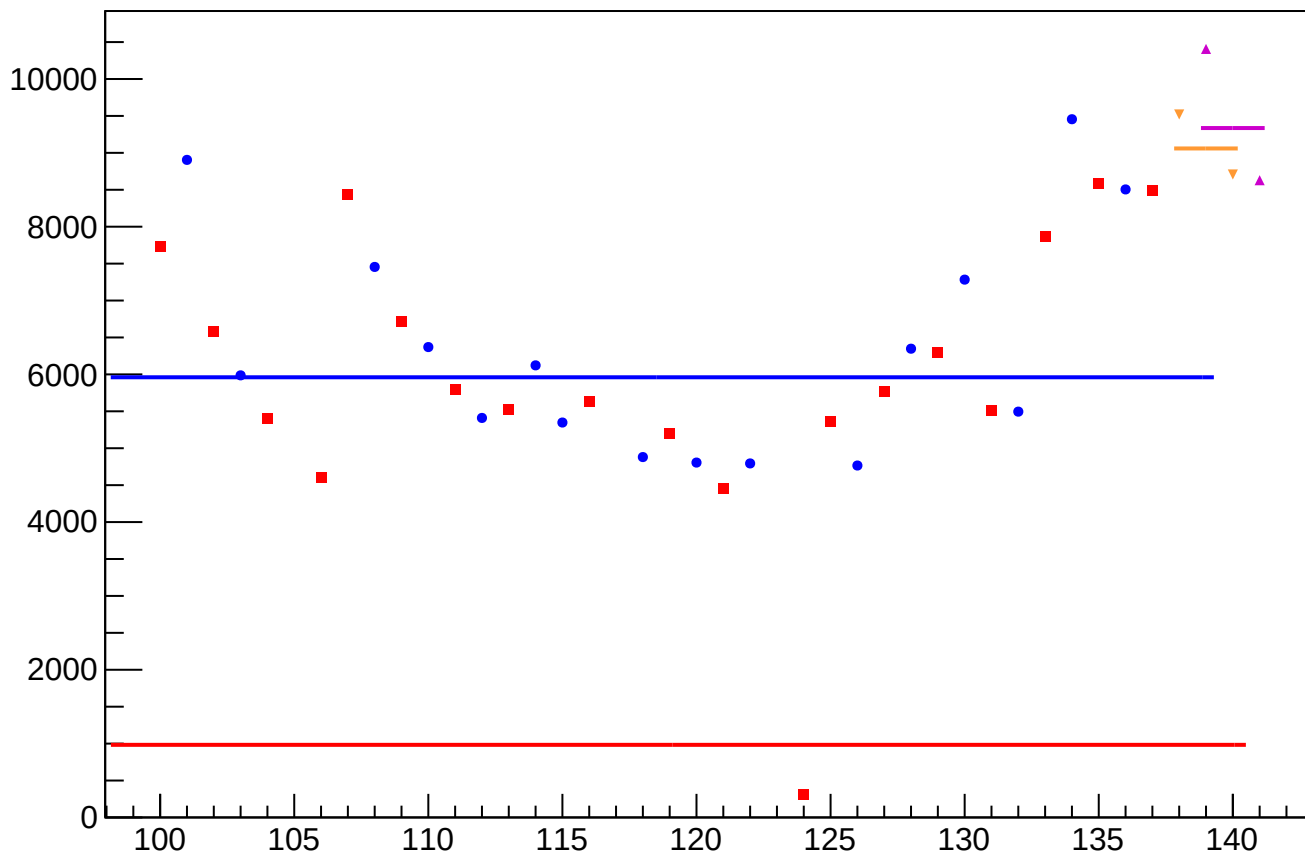
Left In: 2582.135 ± 7148.905 χ^2/NDF : 0.1/1

+ sign -172.083 ± 2171.309 χ^2/NDF : 16.7/17

All: -430.234 ± 720.594 χ^2/NDF : 35.4/38

- sign -462.185 ± 763.888 χ^2/NDF : 18.8/20

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802 ± 1.611 $\chi^2/\text{NDF}: 689267.6/15$

Left Out: 9059.421 ± 5.065 $\chi^2/\text{NDF}: 6327.0/1$

Right Out: 983.316 ± 0.543 $\chi^2/\text{NDF}: 11416689.8/18$

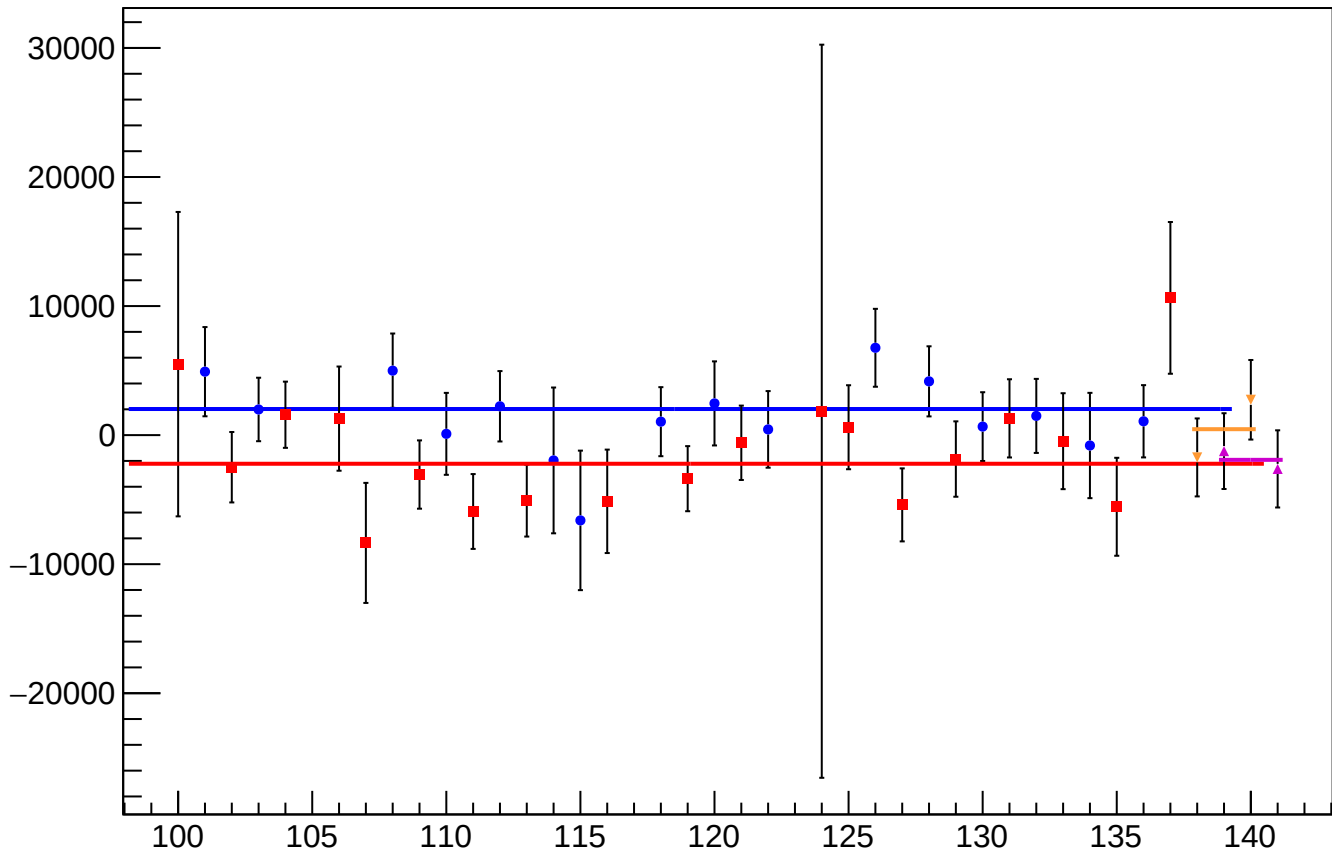
Left In: 9335.873 ± 5.055 $\chi^2/\text{NDF}: 29626.2/1$

+ sign 6245.568 ± 1.535 $\chi^2/\text{NDF}: 1035514.2/17$

All: 1647.755 ± 0.510 $\chi^2/\text{NDF}: 25258648.2/3$

- sign 1078.684 ± 0.540 $\chi^2/\text{NDF}: 14145314.4/20$

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

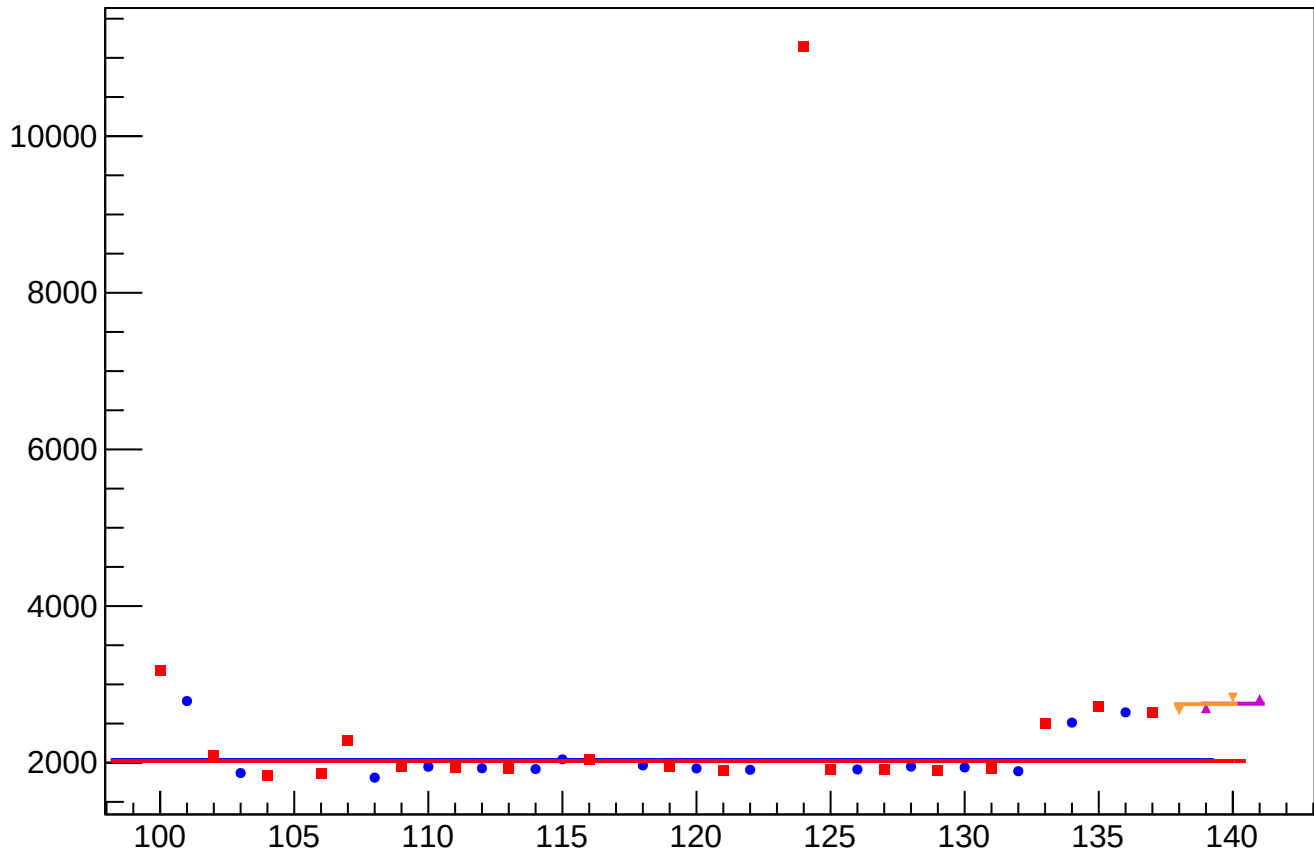
Left In: -1916.097 $\pm$ 2094.636 χ^2 /NDF:0.1/1

+ sign 1848.535 $\pm$ 720.491 χ^2 /NDF: 11.1/17

All: -193.917 $\pm$ 506.156 χ^2 /NDF: 45.3/38

- sign -2184.166 $\pm$ 711.224 χ^2 /NDF: 18.3/20

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

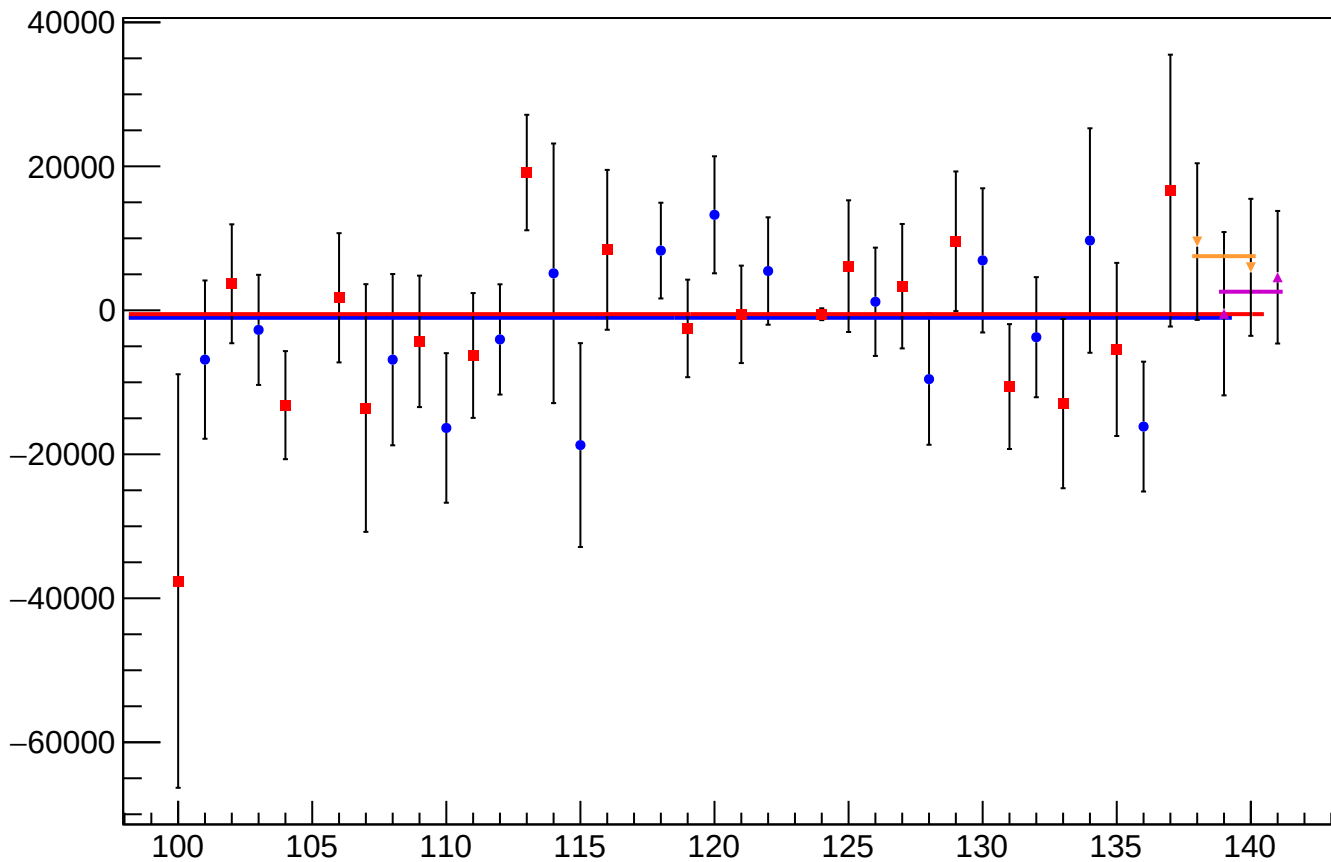
Left In: 2753.847+/-1.481 χ^2/NDF : 1540.5/1

+ sign 2113.782+/-0.509 χ^2/NDF : 460466.1/17

All: 2109.836+/-0.358 χ^2/NDF : 1068714.1/38

- sign 2105.992+/-0.503 χ^2/NDF : 608129.5/20

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 χ^2/NDF : 15.4/15

Left Out: 7520.323 ± 7162.449 χ^2/NDF : 0.1/1

Right Out: -530.662 ± 767.947 χ^2/NDF : 18.0/18

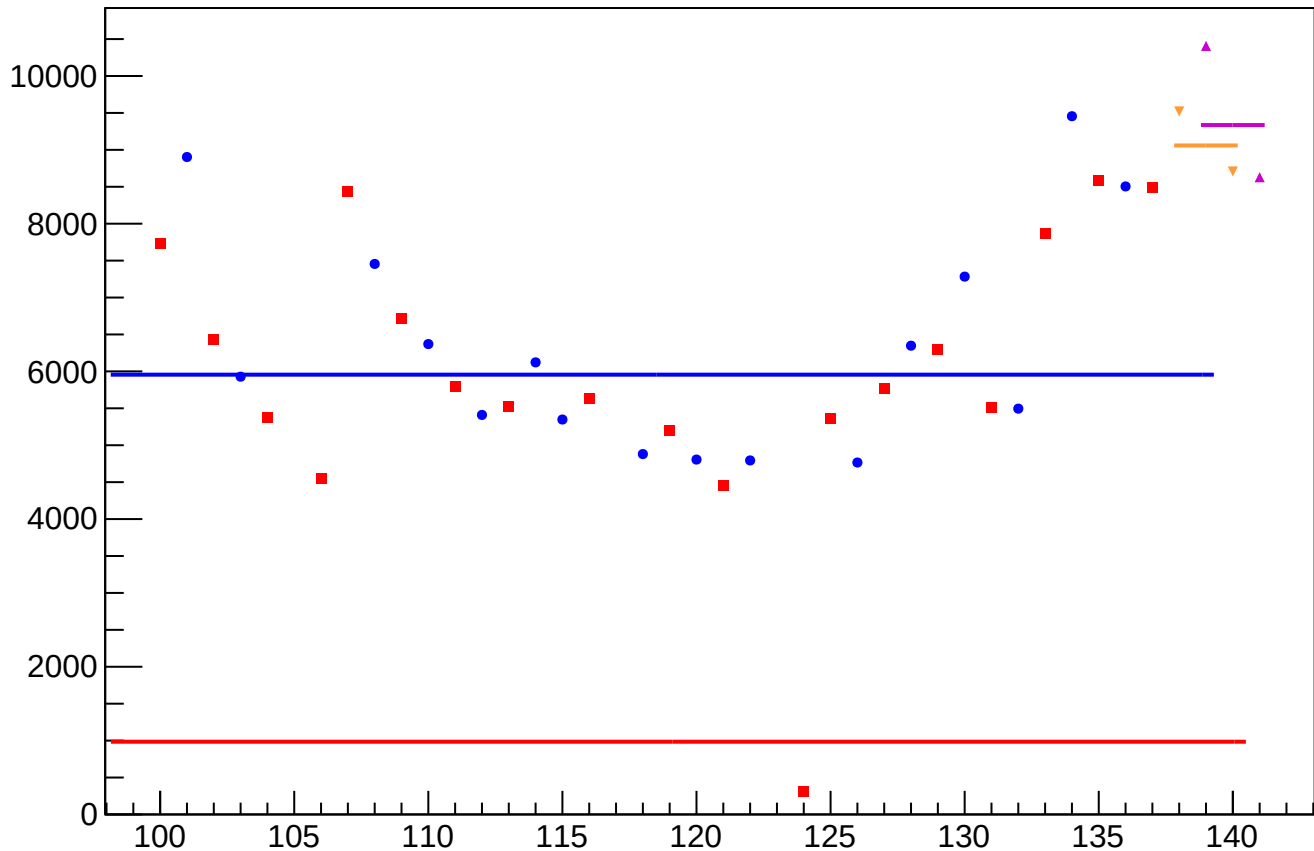
Left In: 2582.170 ± 7148.895 χ^2/NDF : 0.1/1

+ sign -252.903 ± 2169.274 χ^2/NDF : 16.7/17

All: -468.447 ± 720.240 χ^2/NDF : 35.1/38

- sign -495.151 ± 763.554 χ^2/NDF : 18.3/20

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638 $\pm$ 1.610 χ^2 /NDF: 689141.5/15

Left Out: 9059.417 $\pm$ 5.065 χ^2 /NDF:6327.1/1

Right Out: 985.045 $\pm$ 0.543 χ^2 /NDF: 11412843.1/18

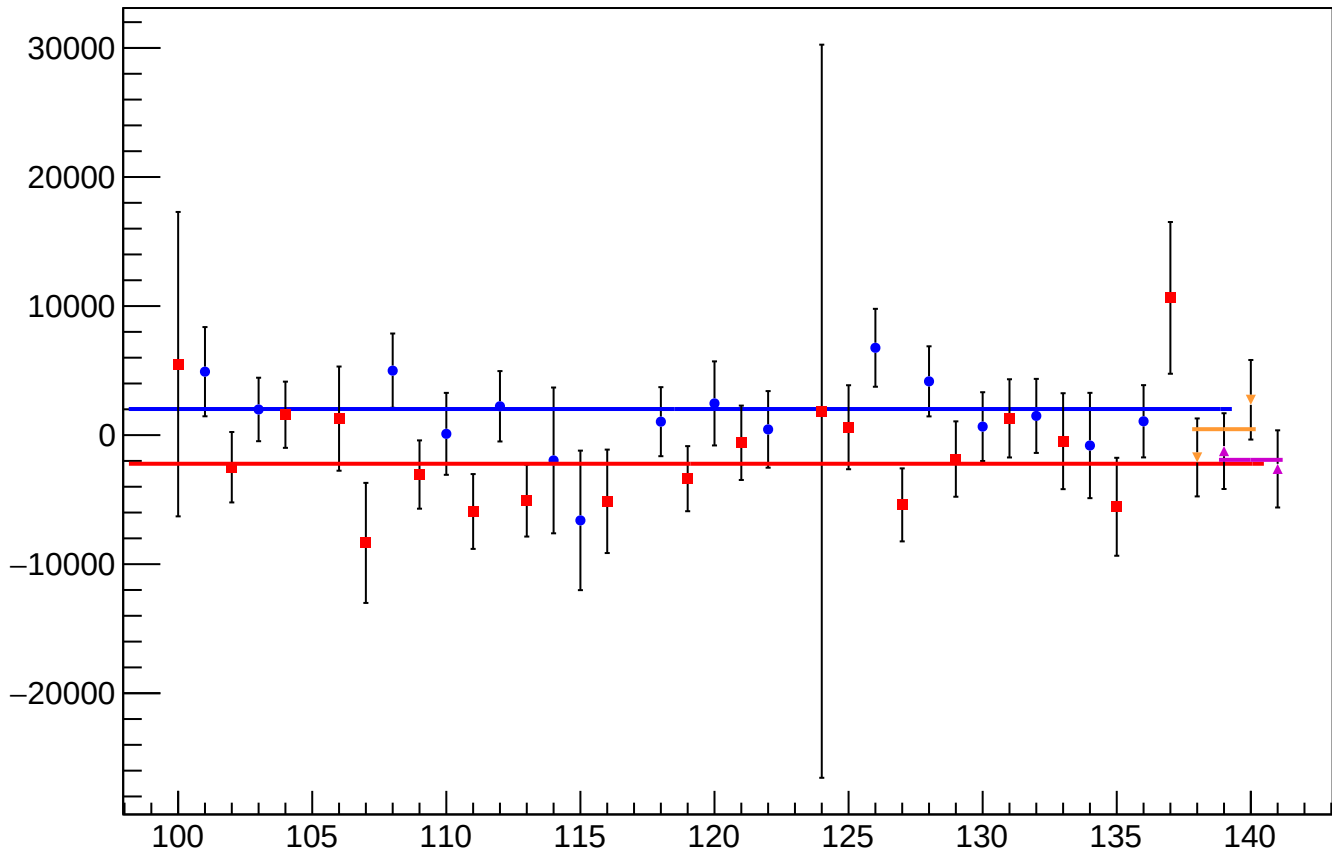
Left In: 9335.859 $\pm$ 5.055 χ^2 /NDF:29626.4/1

+ sign 6240.344 $\pm$ 1.534 χ^2 /NDF: 1036586.1/17

All: 1649.133 $\pm$ 0.509 χ^2 /NDF: 25245839.3/3

- sign 1080.309 $\pm$ 0.540 χ^2 /NDF: 14140376.6/20

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

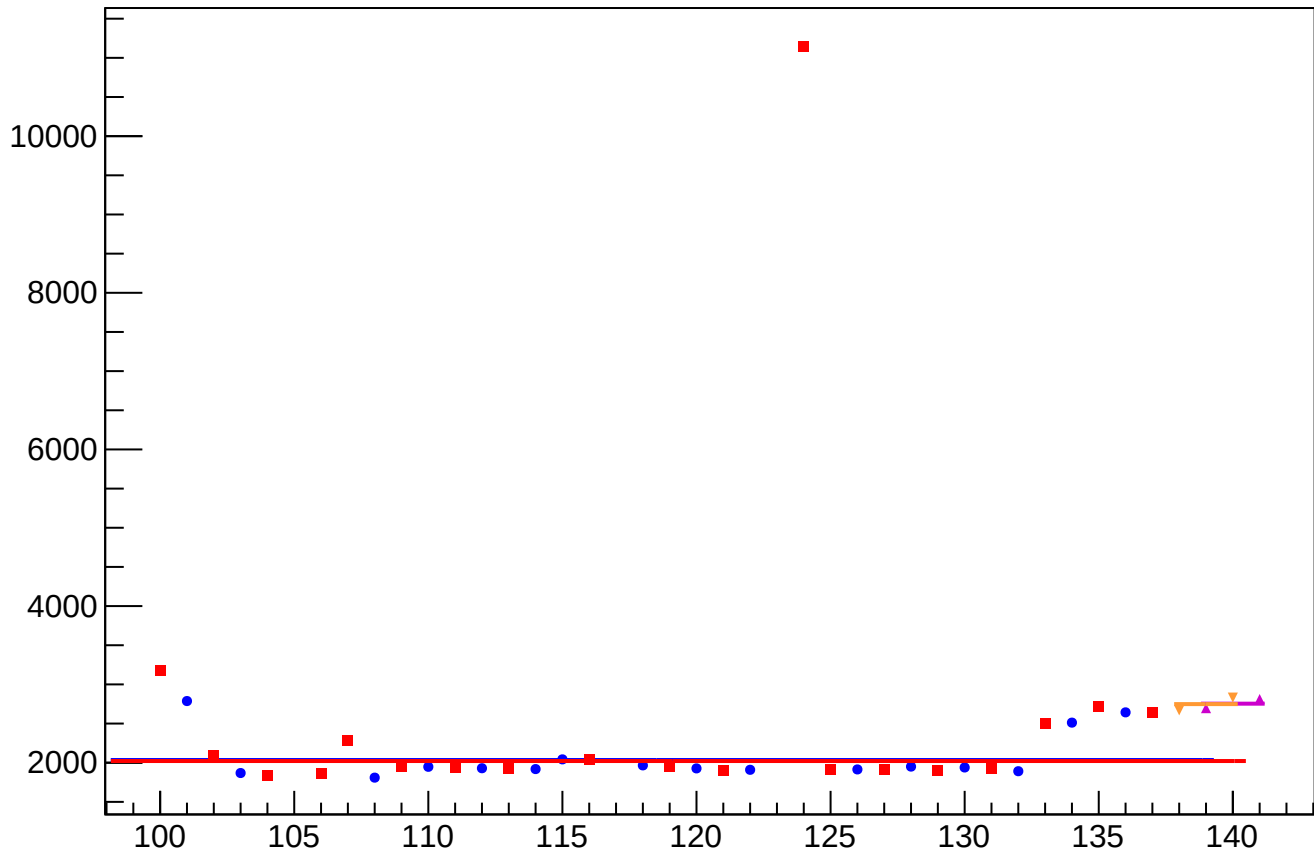
Left In: -1916.097 $\pm$ 2094.636 χ^2 /NDF:0.1/1

+ sign 1848.535 $\pm$ 720.491 χ^2 /NDF: 11.1/17

All: -193.917 $\pm$ 506.156 χ^2 /NDF: 45.3/38

- sign -2184.166 $\pm$ 711.224 χ^2 /NDF: 18.3/20

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF : 2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF : 390333.0/18

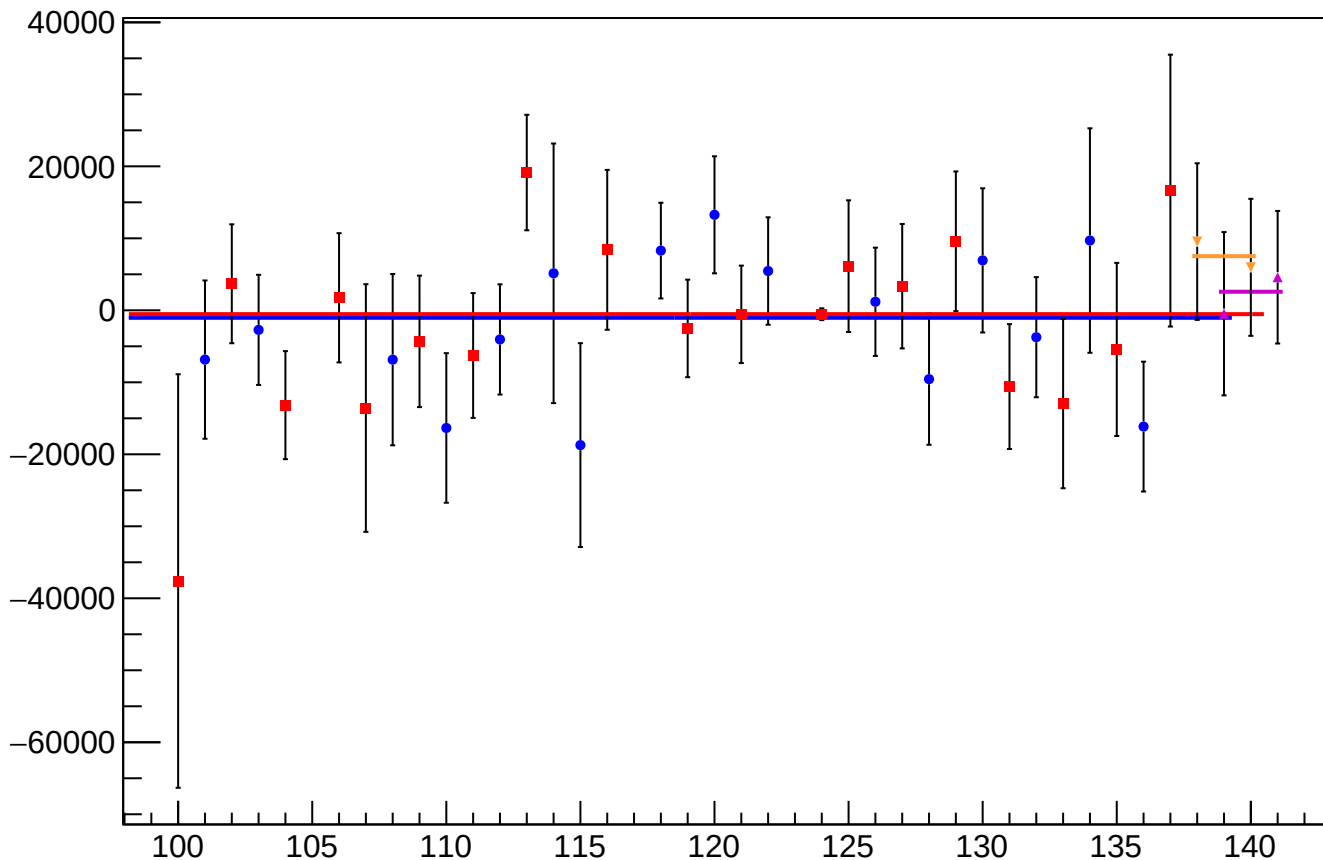
Left In: 2753.847+/-1.481 χ^2/NDF : 1540.5/1

+ sign 2113.782+/-0.509 χ^2/NDF : 460466.1/17

All: 2109.836+/-0.358 χ^2/NDF : 1068714.1/38

- sign 2105.992+/-0.503 χ^2/NDF : 608129.5/20

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 χ^2/NDF : 15.4/15

Left Out: 7520.323 ± 7162.449 χ^2/NDF : 0.1/1

Right Out: -530.662 ± 767.947 χ^2/NDF : 18.0/18

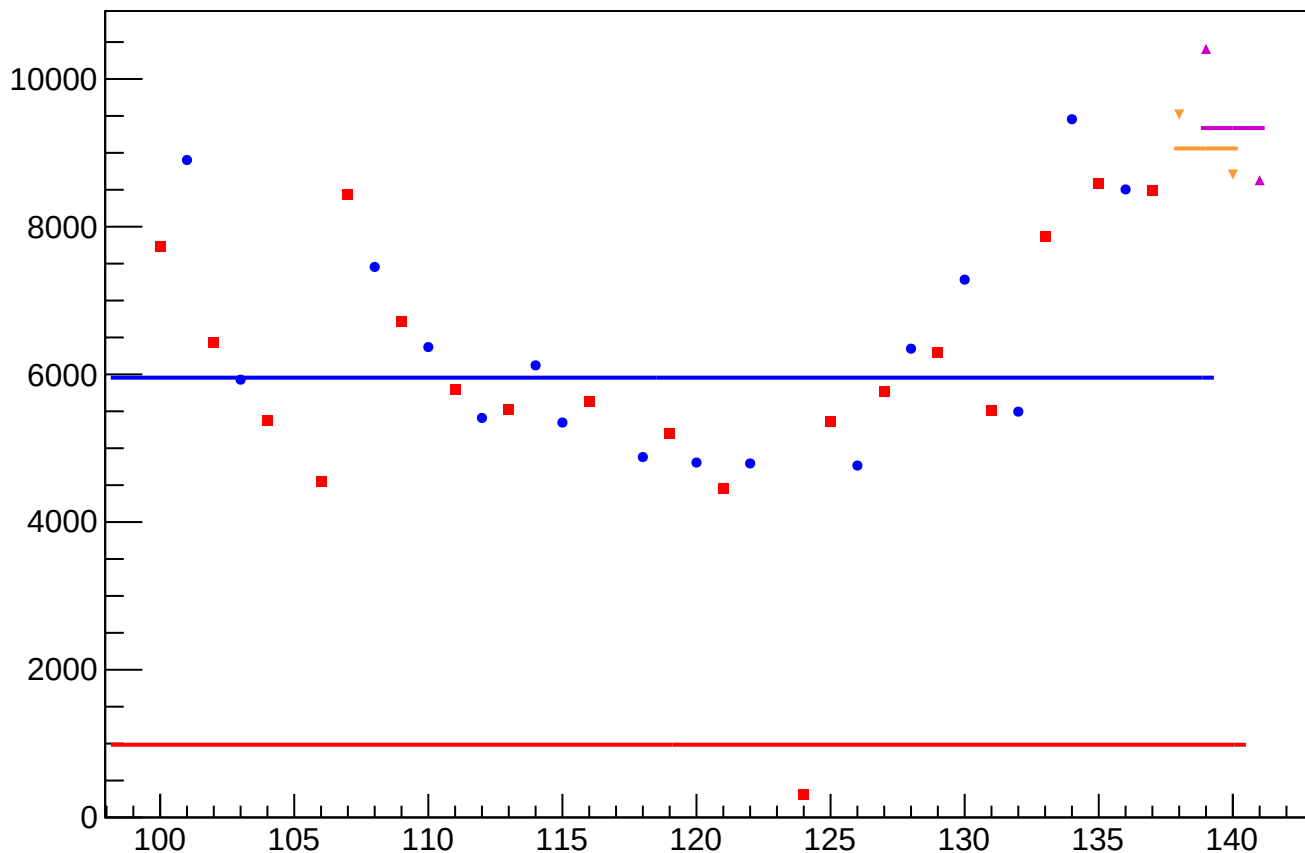
Left In: 2582.170 ± 7148.895 χ^2/NDF : 0.1/1

+ sign -252.903 ± 2169.274 χ^2/NDF : 16.7/17

All: -468.447 ± 720.240 χ^2/NDF : 35.1/38

- sign -495.151 ± 763.554 χ^2/NDF : 18.3/20

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2 /NDF: 689141.5/15

Left Out: 9059.417+/-5.065 χ^2 /NDF:6327.1/1

Right Out: 985.045+/-0.543 χ^2 /NDF: 11412843.1/18

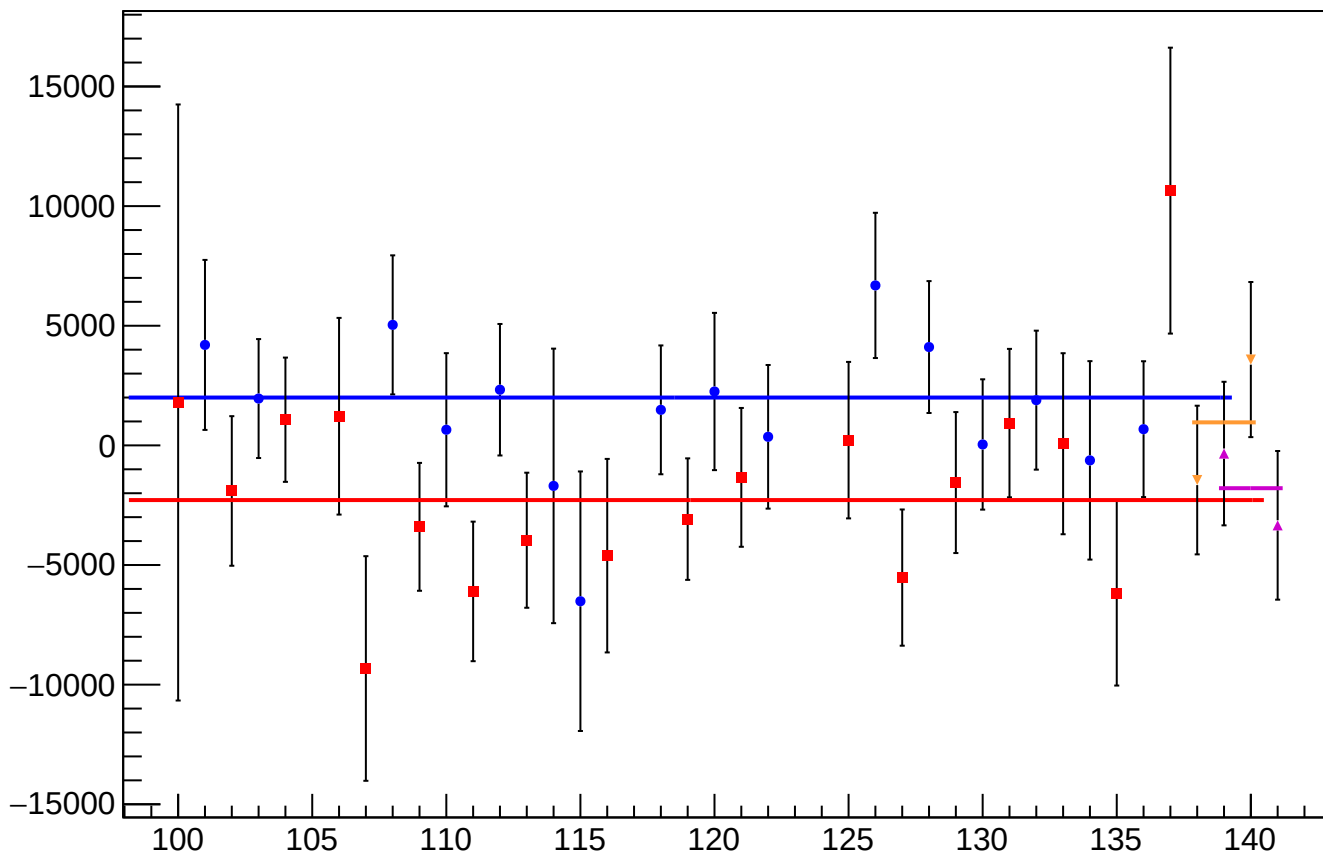
Left In: 9335.859+/-5.055 χ^2 /NDF:29626.4/1

+ sign 6240.344+/-1.534 χ^2 /NDF: 1036586.1/17

All: 1649.133+/-0.509 χ^2 /NDF: 25245839.3/3

- sign 1080.309+/-0.540 χ^2 /NDF: 14140376.6/20

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF : 9.0/15

Left Out: 961.807+/-2242.906 χ^2/NDF : 1.3/1

Right Out: -2285.899+/-771.299 χ^2/NDF : 16.7/17

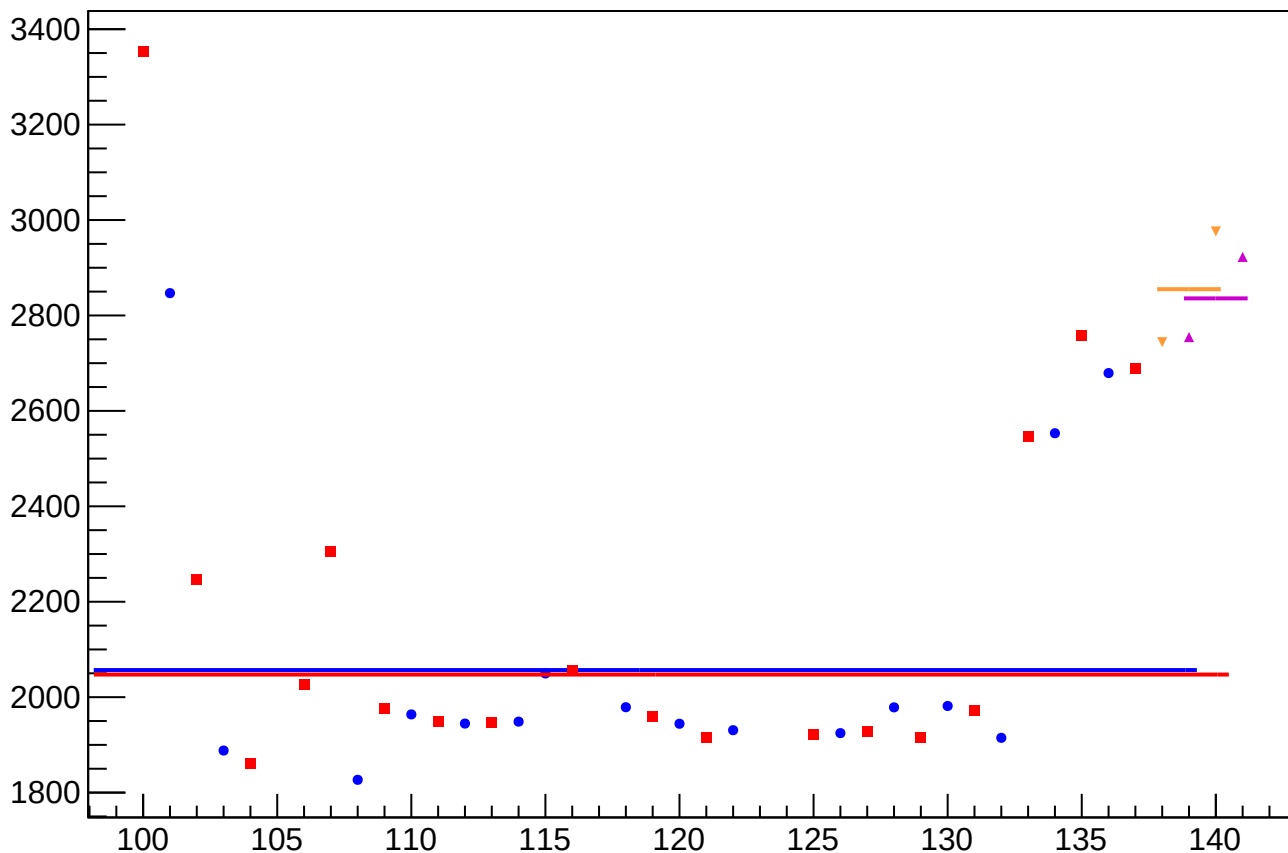
Left In: -1789.663+/-2158.027 χ^2/NDF : 0.5/1

+ sign 1888.938+/-731.269 χ^2/NDF : 10.4/17

All: -184.409+/-515.321 χ^2/NDF : 43.6/37

- sign -2229.690+/-726.303 χ^2/NDF : 17.2/19

dit_asym_atl2_rms vs Slug



Right In: 2056.796 $\pm$ 0.547 χ^2 /NDF: 270454.5/15

Left Out: 2855.096 $\pm$ 1.586 χ^2 /NDF: 5340.8/1

Right Out: 2047.400 $\pm$ 0.545 χ^2 /NDF: 196523.0/17

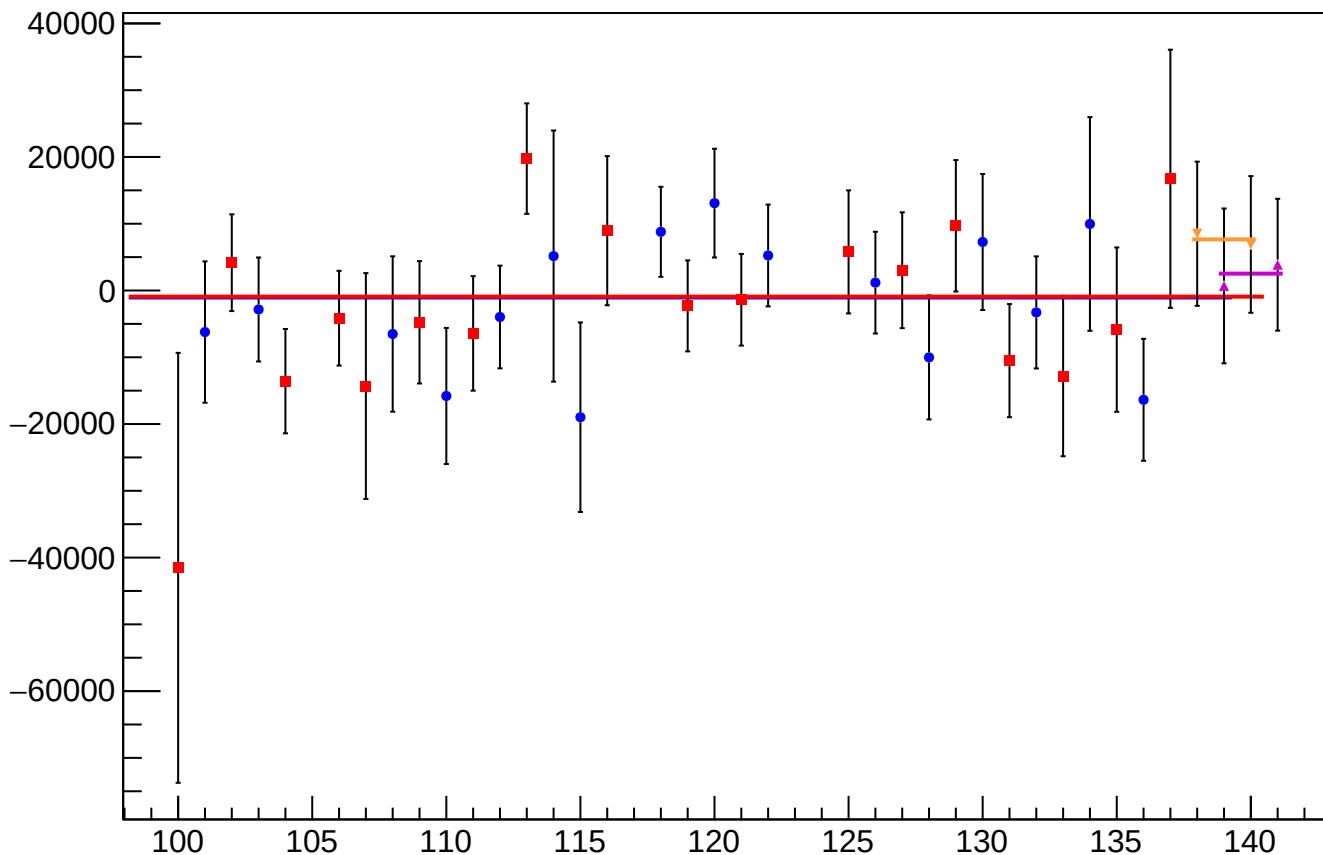
Left In: 2835.791 $\pm$ 1.526 χ^2 /NDF: 3028.7/1

+ sign 2141.655 $\pm$ 0.517 χ^2 /NDF: 502224.7/17

All: 2139.038 $\pm$ 0.364 χ^2 /NDF: 938603.8/37

- sign 2136.464 $\pm$ 0.513 χ^2 /NDF: 436328.2/19

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515 ± 2294.607 χ^2/NDF : 15.3/15

Left Out: 7655.746 ± 7428.031 χ^2/NDF : 0.0/1

Right Out: -919.663 ± 2150.895 χ^2/NDF : 18.4/17

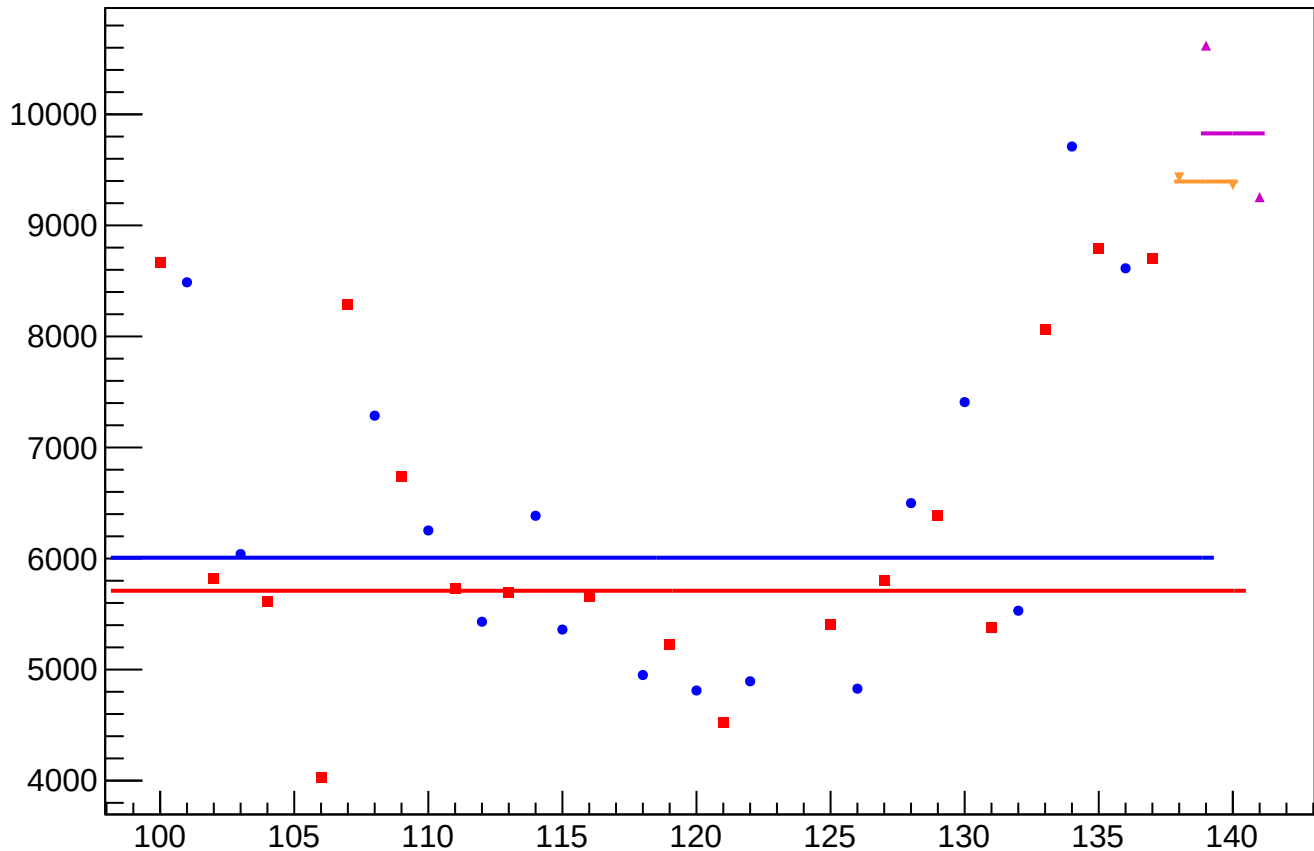
Left In: 2528.386 ± 7516.215 χ^2/NDF : 0.0/1

+ sign -284.778 ± 2192.384 χ^2/NDF : 16.6/17

All: -482.640 ± 1504.306 χ^2/NDF : 35.2/37

- sign -658.669 ± 2067.889 χ^2/NDF : 18.6/19

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425 ± 1.623 $\chi^2/\text{NDF}: 653996.7/15$

Left Out: 9395.227 ± 5.252 $\chi^2/\text{NDF}: 43.3/1$

Right Out: 5709.903 ± 1.521 $\chi^2/\text{NDF}: 535926.2/17$

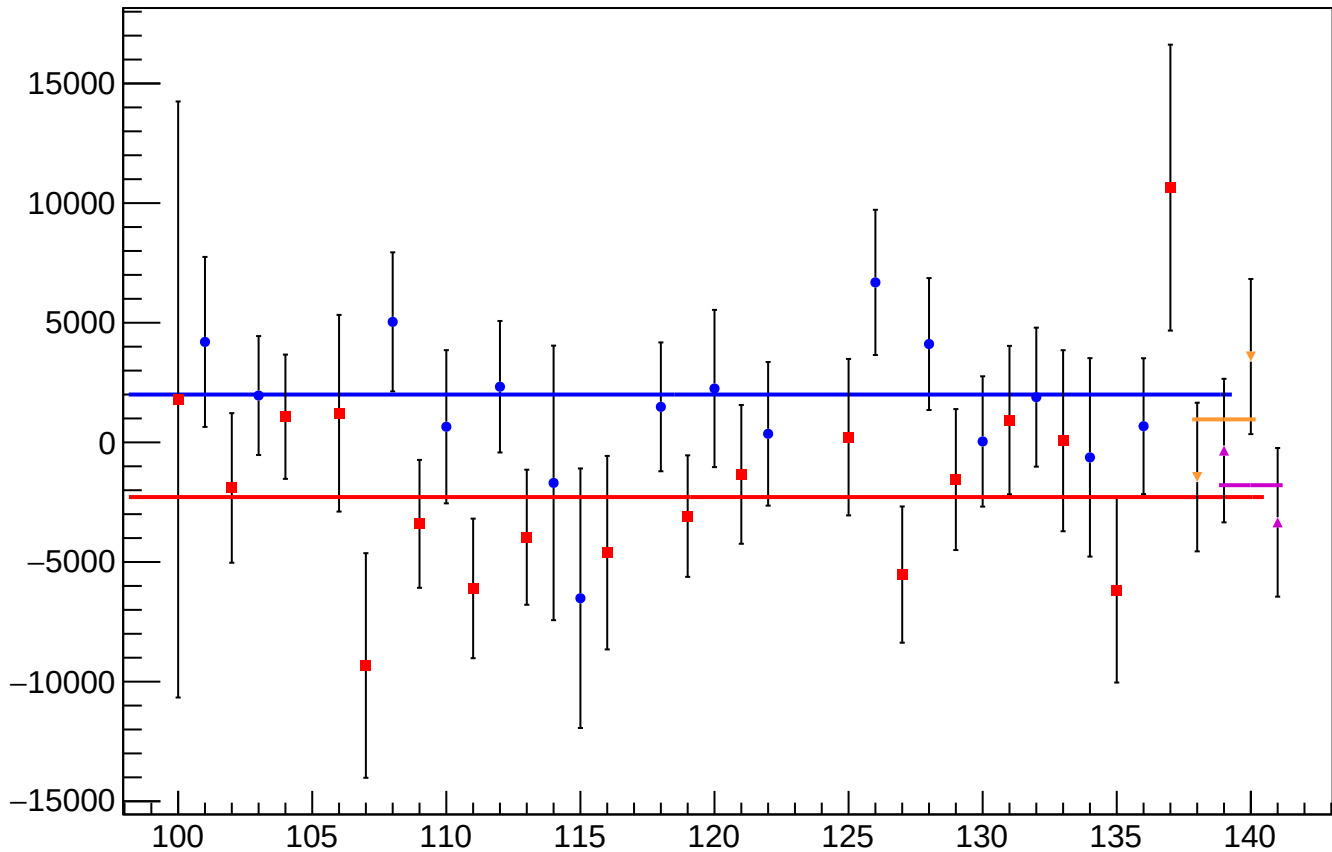
Left In: 9828.482 ± 5.315 $\chi^2/\text{NDF}: 16073.6/1$

+ sign 6302.548 ± 1.550 $\chi^2/\text{NDF}: 1033823.0/17$

All: 6153.898 ± 1.064 $\chi^2/\text{NDF}: 2158260.6/37$

- sign 6021.650 ± 1.462 $\chi^2/\text{NDF}: 1107063.2/19$

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218 $\pm$ 773.538 χ^2 /NDF: 9.0/15

Left Out: 961.825 $\pm$ 2242.907 χ^2 /NDF:1.3/1

Right Out: -2285.903 $\pm$ 771.299 χ^2 /NDF: 16.7/17

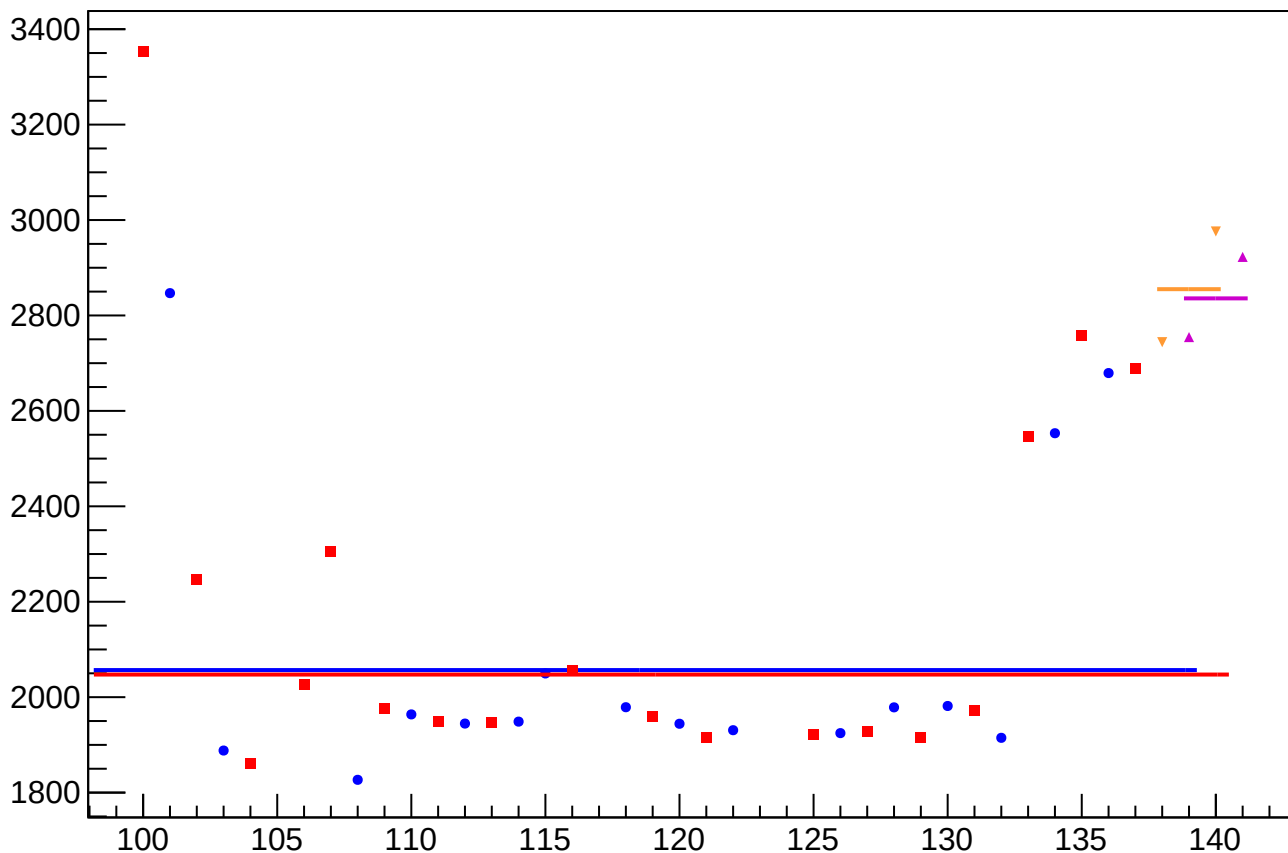
Left In: -1789.659 $\pm$ 2158.029 χ^2 /NDF:0.5/1

+ sign 1888.944 $\pm$ 731.269 χ^2 /NDF: 10.4/17

All: -184.408 $\pm$ 515.321 χ^2 /NDF: 43.6/37

- sign -2229.693 $\pm$ 726.303 χ^2 /NDF: 17.2/19

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796 $\pm$ 0.547 χ^2 /NDF: 270454.5/15

Left Out: 2855.098 $\pm$ 1.586 χ^2 /NDF:5341.0/1

Right Out: 2047.400 $\pm$ 0.545 χ^2 /NDF: 196523.3/17

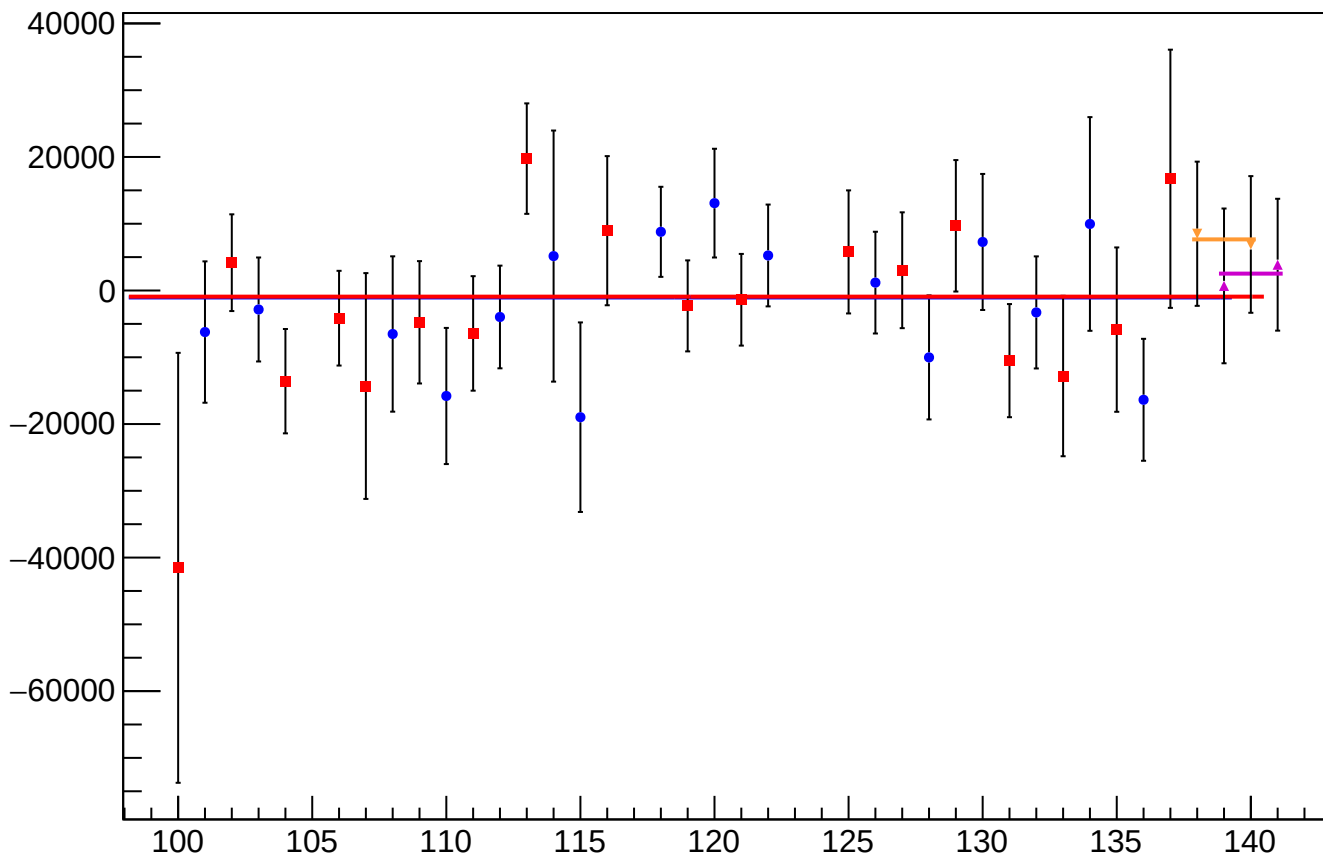
Left In: 2835.794 $\pm$ 1.526 χ^2 /NDF:3028.7/1

+ sign 2141.655 $\pm$ 0.517 χ^2 /NDF: 502225.2/17

All: 2139.038 $\pm$ 0.364 χ^2 /NDF: 938605.9/37

- sign 2136.464 $\pm$ 0.513 χ^2 /NDF: 436329.9/19

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503 ± 2294.600 χ^2/NDF : 15.3/15

Left Out: 7655.761 ± 7428.050 χ^2/NDF : 0.0/1

Right Out: -919.667 ± 2150.889 χ^2/NDF : 18.4/17

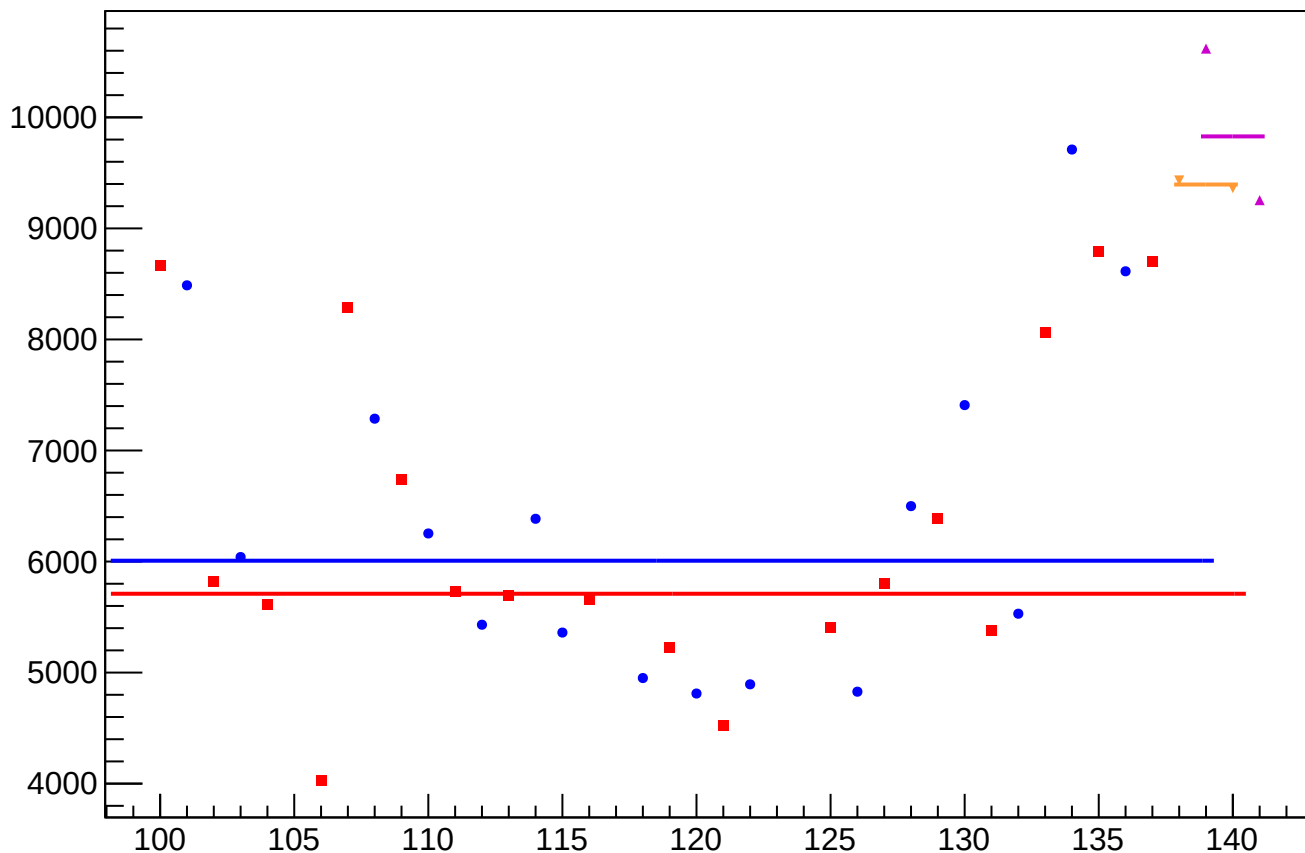
Left In: 2528.389 ± 7516.233 χ^2/NDF : 0.0/1

+ sign -284.774 ± 2192.379 χ^2/NDF : 16.6/17

All: -482.642 ± 1504.302 χ^2/NDF : 35.2/37

- sign -658.676 ± 2067.884 χ^2/NDF : 18.6/19

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF : 654004.9/15

Left Out: 9395.251+/-5.252 χ^2/NDF : 43.3/1

Right Out: 5709.885+/-1.521 χ^2/NDF : 535929.9/17

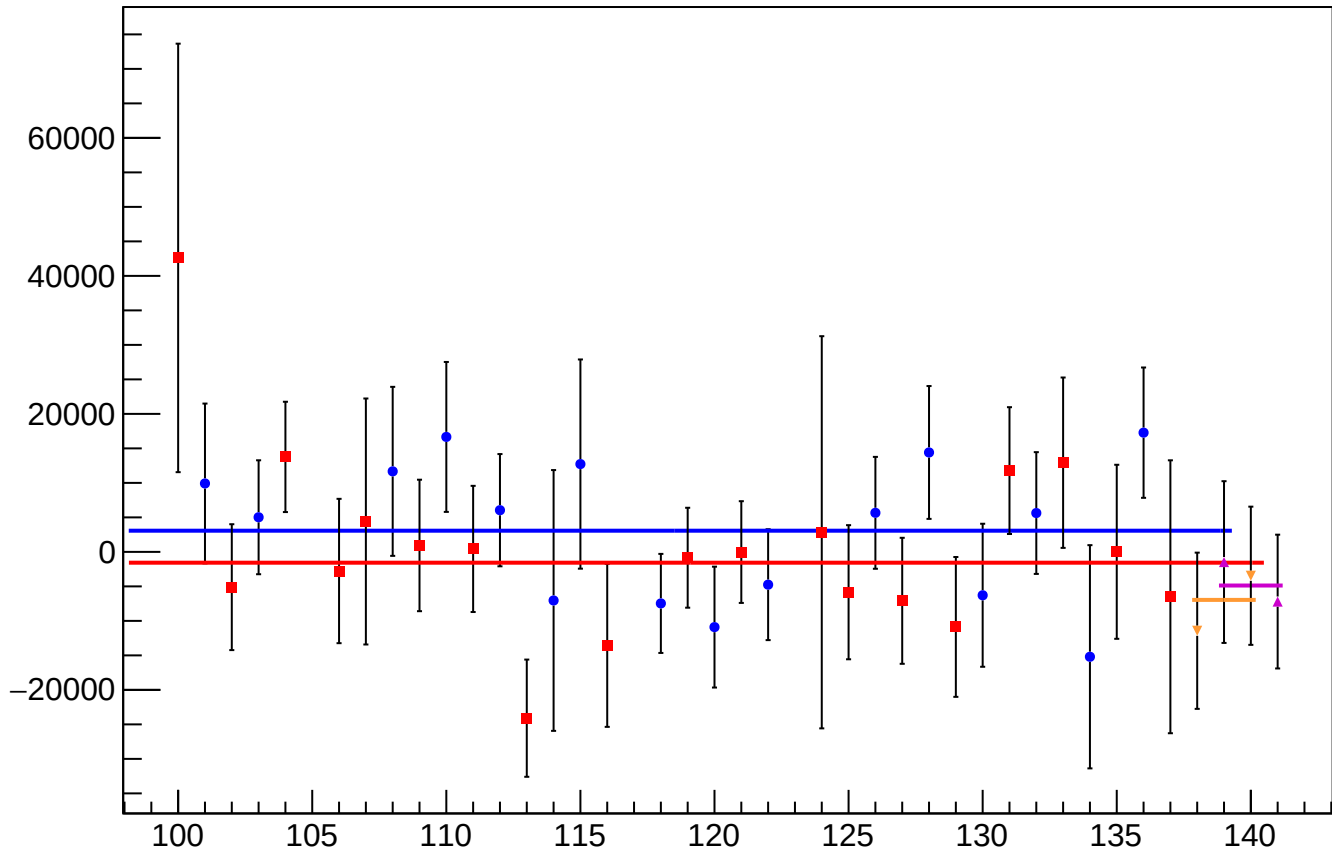
Left In: 9828.504+/-5.315 χ^2/NDF : 16074.1/1

+ sign 6302.529+/-1.550 χ^2/NDF : 1033839.5/17

All: 6153.880+/-1.064 χ^2/NDF : 2158289.7/37

- sign 6021.633+/-1.462 χ^2/NDF : 1107075.9/19

asym_atl2_mean vs Slug



Right In: 3070.293 $\pm$ 2420.721 χ^2 /NDF: 14.9/15

Left Out: -6958.791 $\pm$ 7500.925 χ^2 /NDF: 0.3/1

Right Out: -1567.088 $\pm$ 2335.884 χ^2 /NDF: 19.2/18

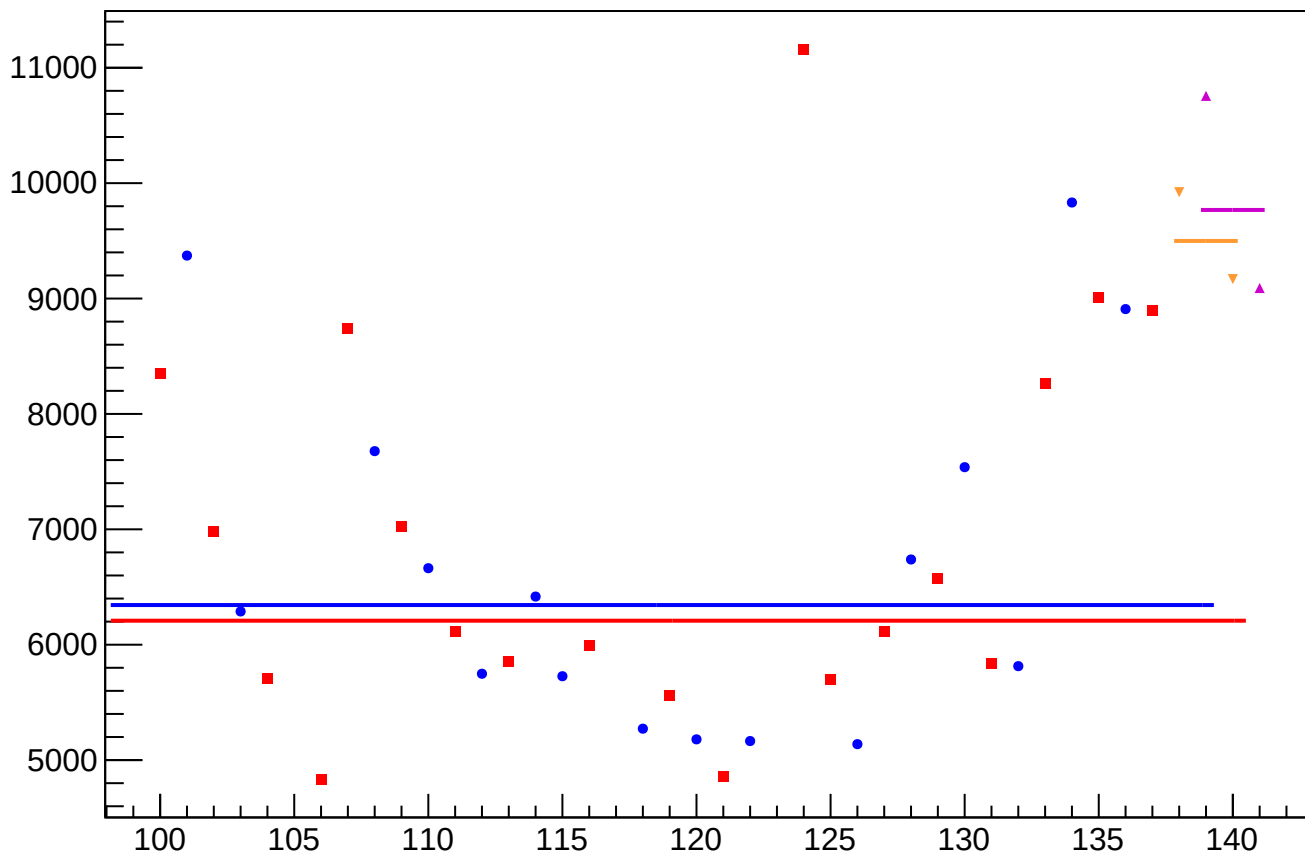
Left In: -4874.816 $\pm$ 7470.180 χ^2 /NDF: 0.1/1

+ sign 2124.289 $\pm$ 2303.725 χ^2 /NDF: 16.8/17

All: 65.984 $\pm$ 1602.067 χ^2 /NDF: 37.8/38

- sign -1861.703 $\pm$ 2229.431 χ^2 /NDF: 19.5/20

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF : 621240.2/15

Left Out: 9499.178+/-5.304 χ^2/NDF : 4966.5/1

Right Out: 6208.099+/-1.652 χ^2/NDF : 471840.9/18

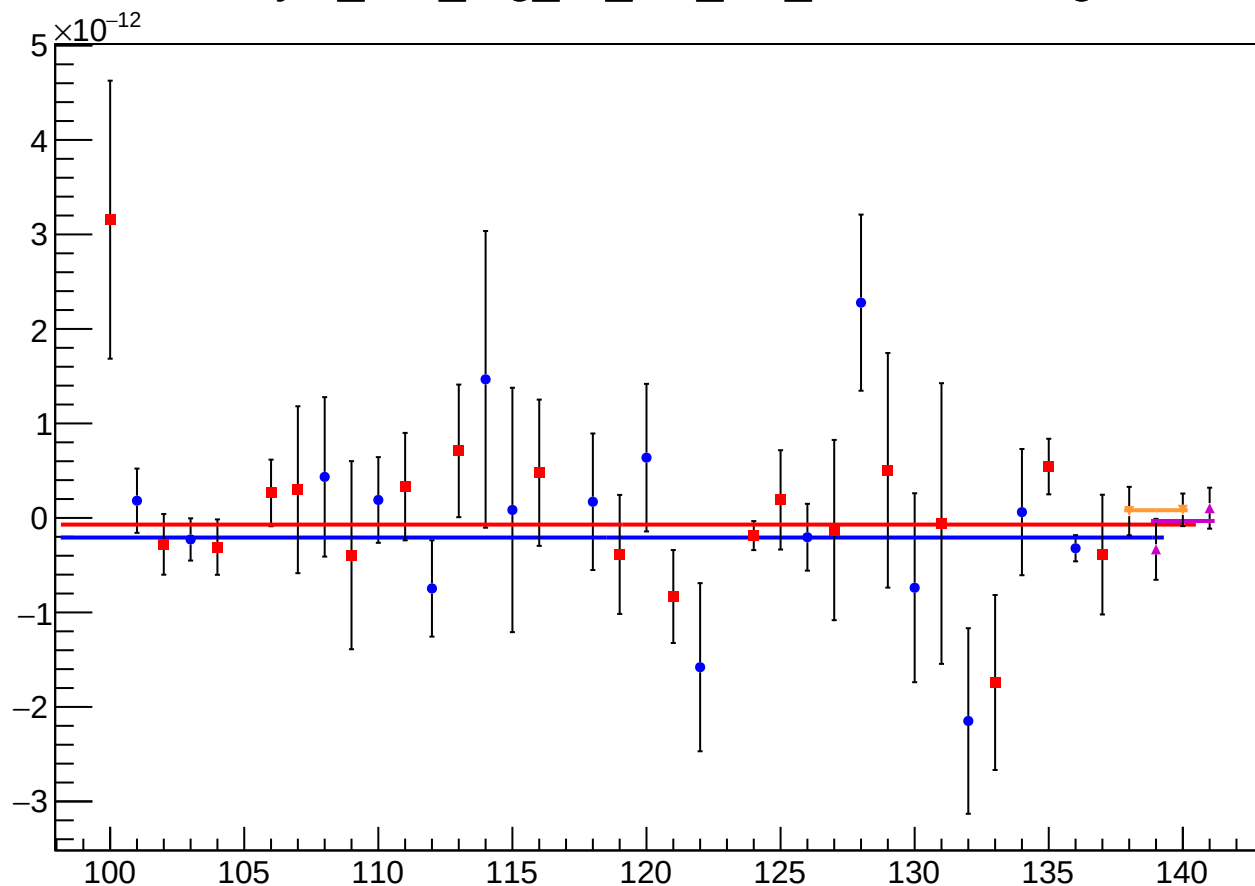
Left In: 9767.752+/-5.282 χ^2/NDF : 23974.6/1

+ sign 6641.430+/-1.629 χ^2/NDF : 946742.2/17

All: 6581.386+/-1.133 χ^2/NDF : 1858872.9/38

- sign 6525.152+/-1.576 χ^2/NDF : 909499.6/20

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.9/18

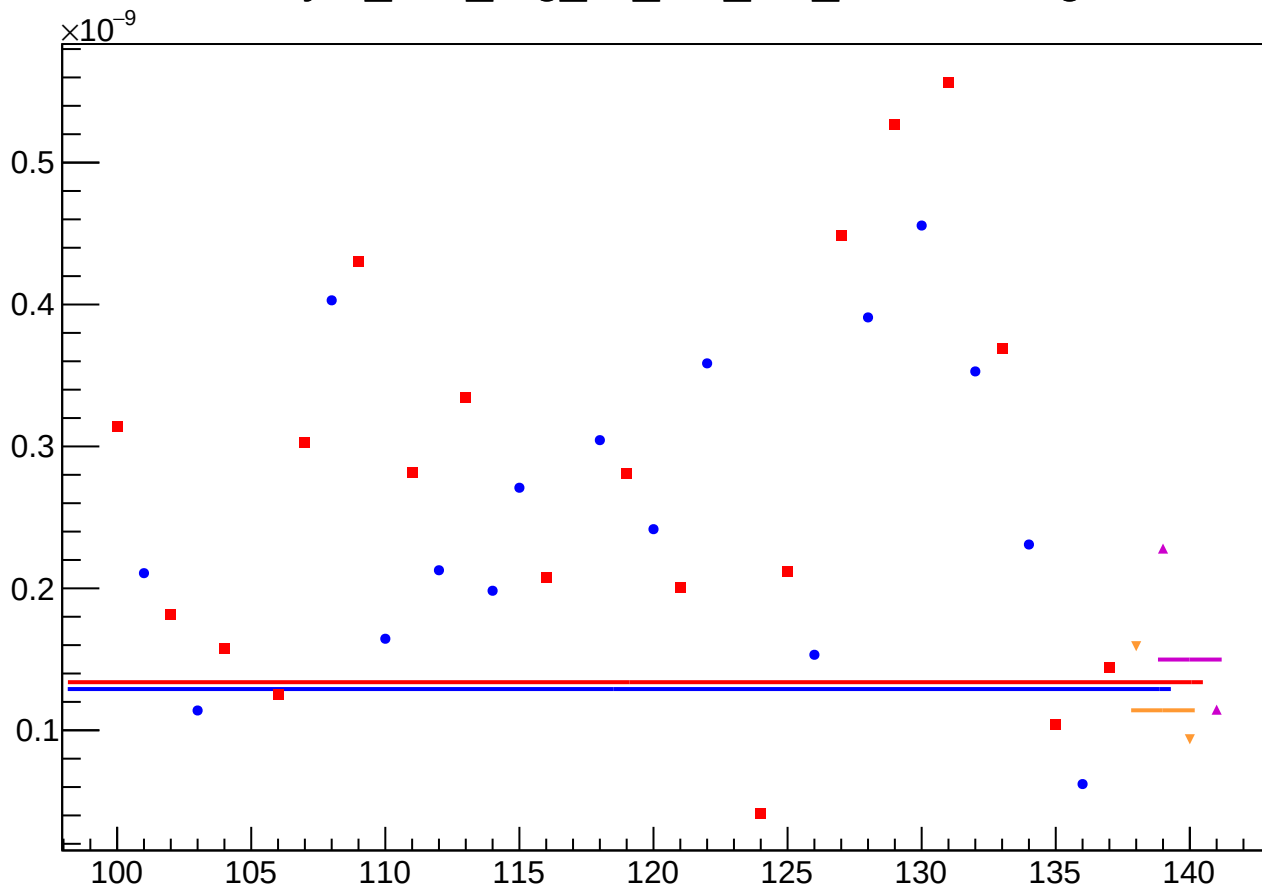
Left In: -0.000 ± 0.000 χ^2/NDF : 1.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 23.8/17

All: -0.000 ± 0.000 χ^2/NDF : 46.2/38

- sign -0.000 ± 0.000 χ^2/NDF : 22.2/20

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1720321.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 90103.1/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2304489.5/18

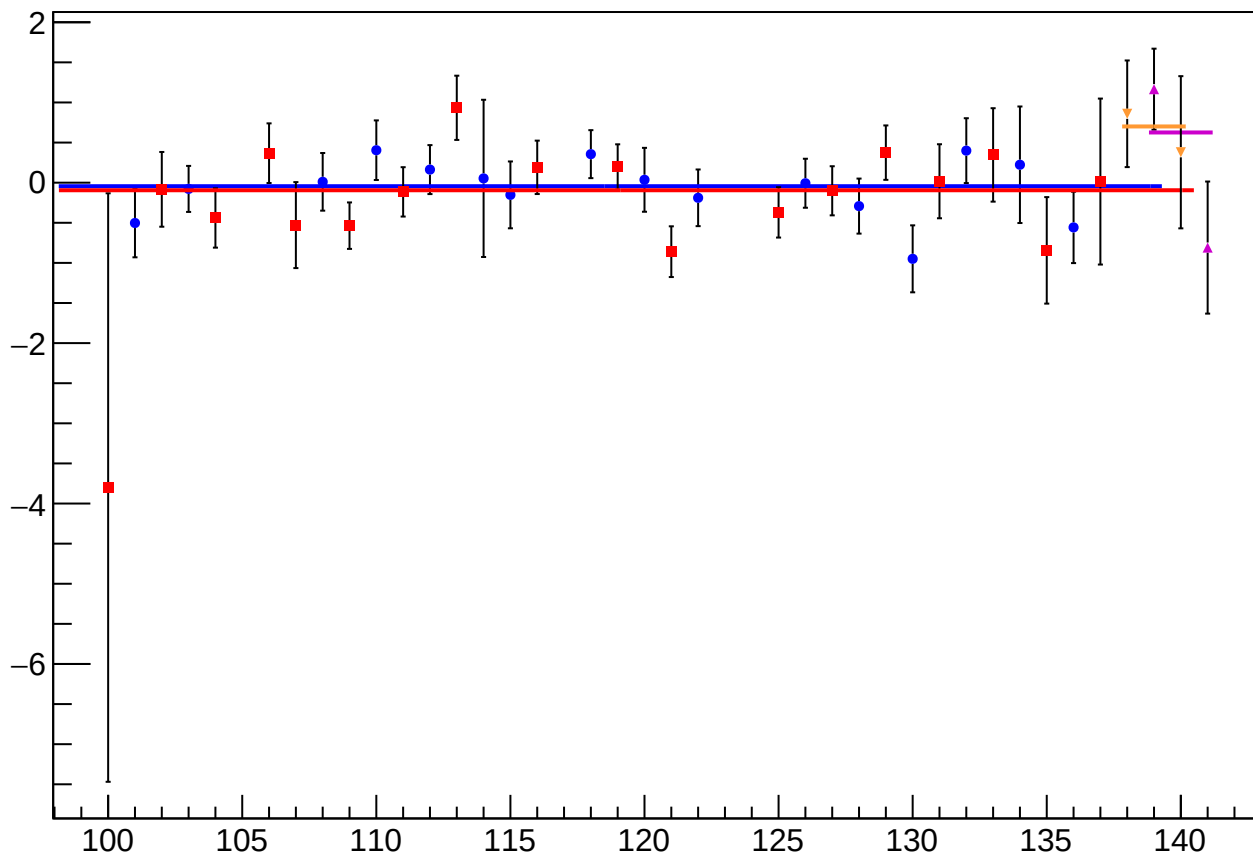
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 170750.0/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1825612.5/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4338144.1/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2487495.6/20

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

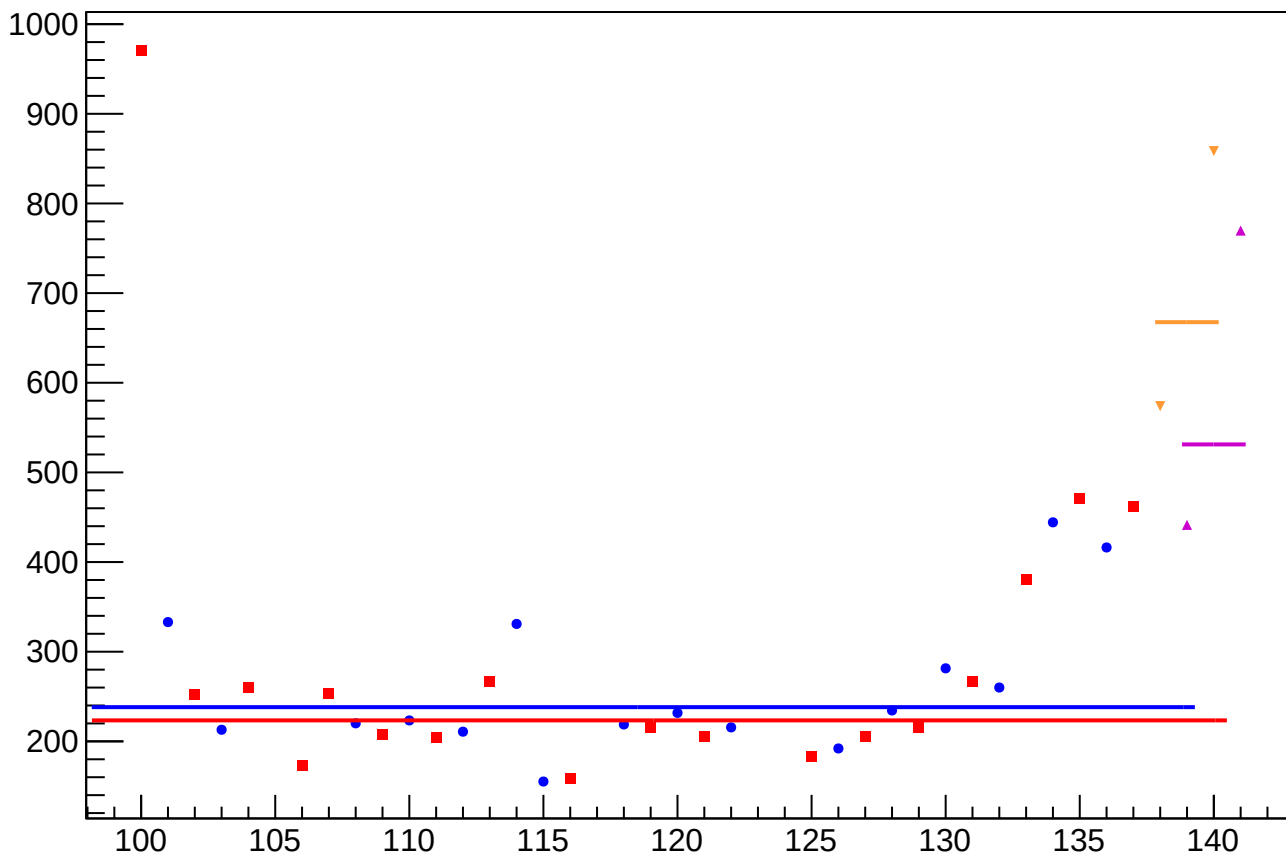
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.044 ± 0.064 χ^2/NDF : 47.3/37

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF : 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF : 120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF : 862425.5/17

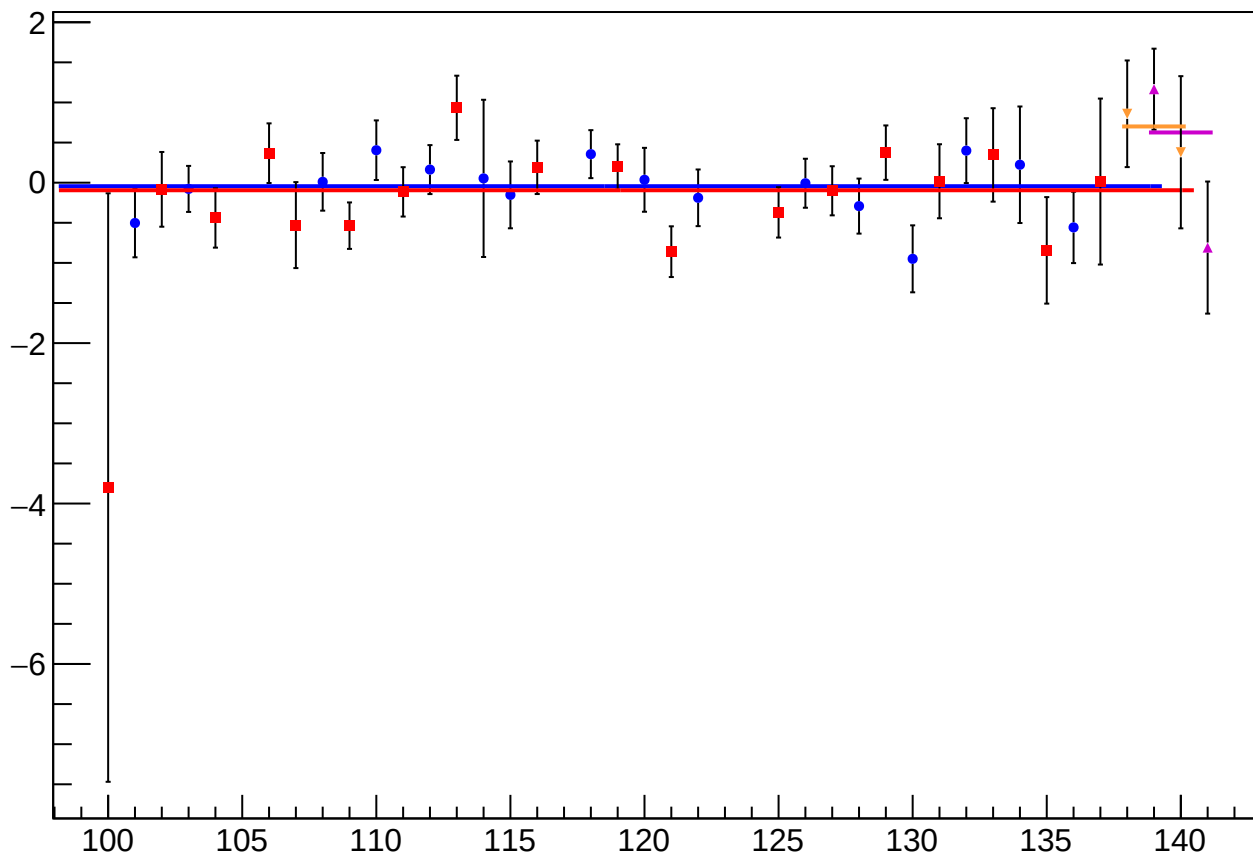
Left In: 531.227+/-0.304 χ^2/NDF : 231036.6/1

+ sign 250.547+/-0.065 χ^2/NDF : 2136499.8/17

All: 243.079+/-0.045 χ^2/NDF : 4234967.0/37

- sign 236.292+/-0.062 χ^2/NDF : 2073552.1/19

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

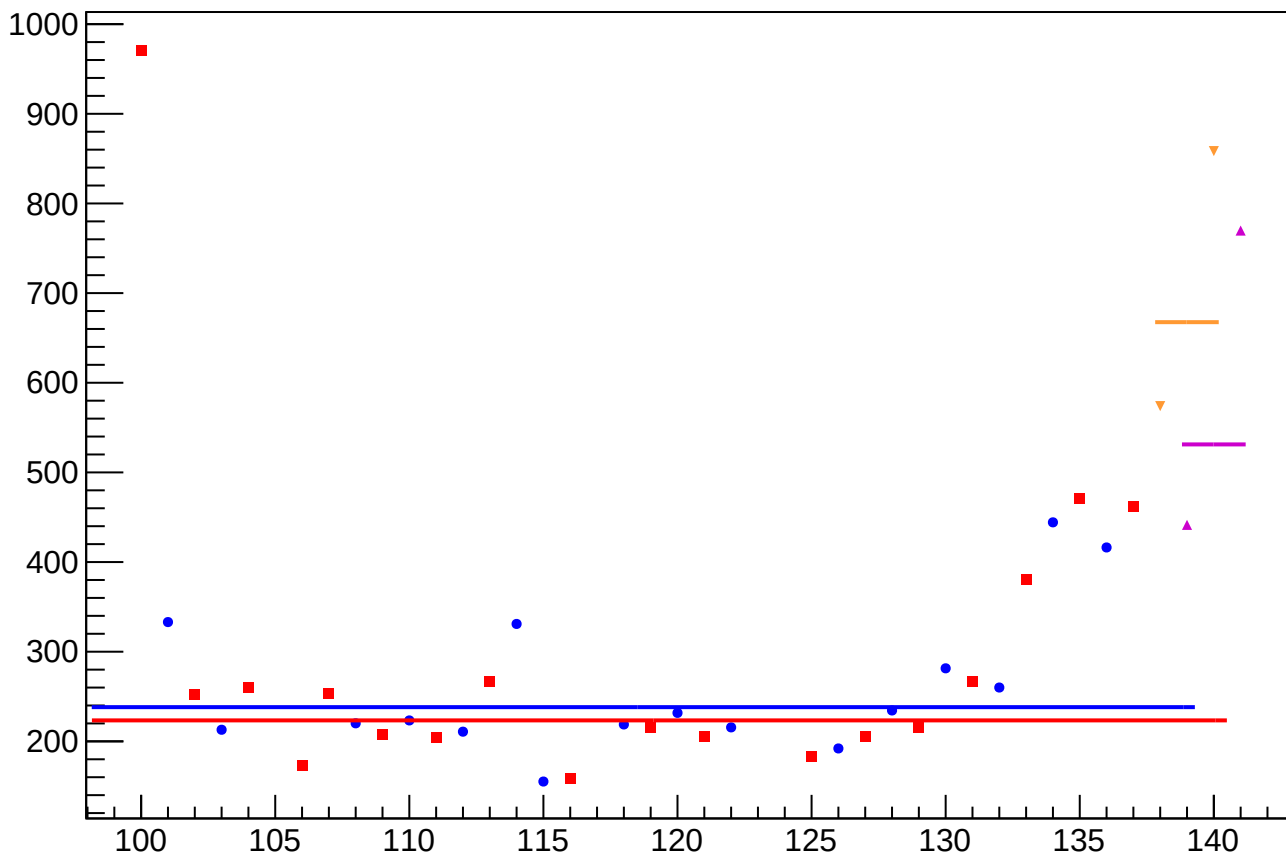
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.044 ± 0.064 χ^2/NDF : 47.3/37

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF : 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF :120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF : 862425.5/17

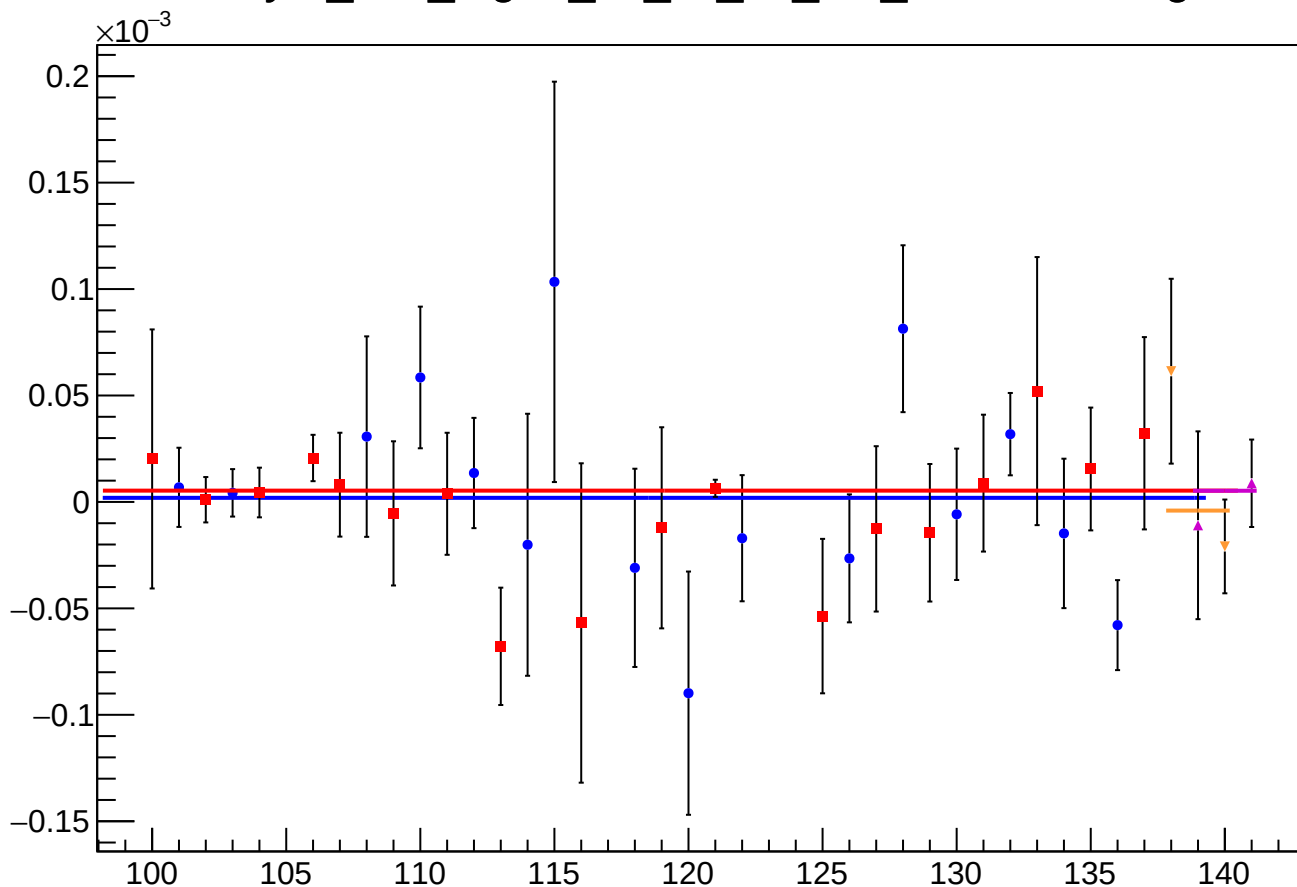
Left In: 531.227+/-0.304 χ^2/NDF :231036.6/1

+ sign 250.547+/-0.065 χ^2/NDF : 2136499.8/17

All: 243.079+/-0.045 χ^2/NDF : 4234967.0/37

- sign 236.292+/-0.062 χ^2/NDF : 2073552.1/19

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

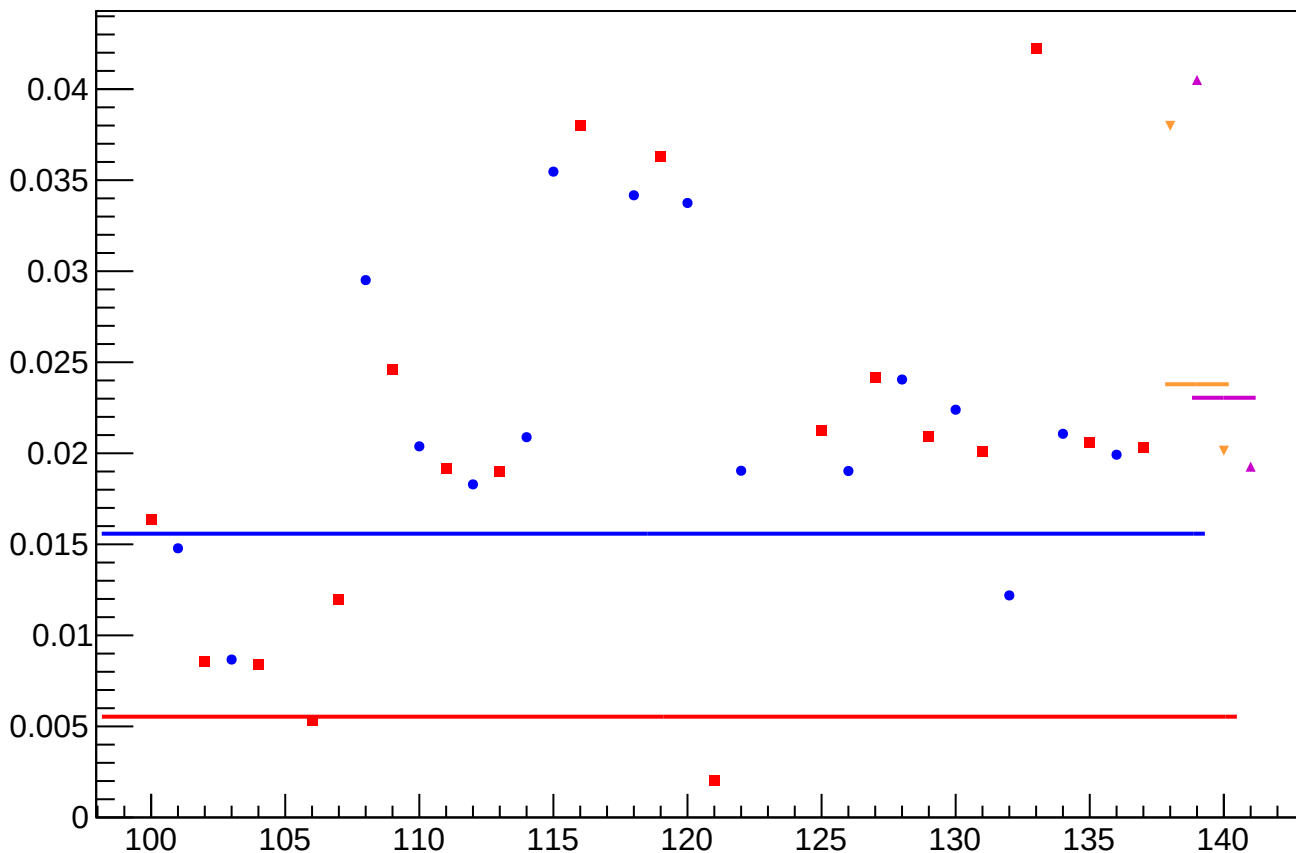
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/19

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 2074656.7/15

Left Out: 0.024 $\pm$ 0.000 χ^2/NDF : 268622.3/1

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 7954965.8/17

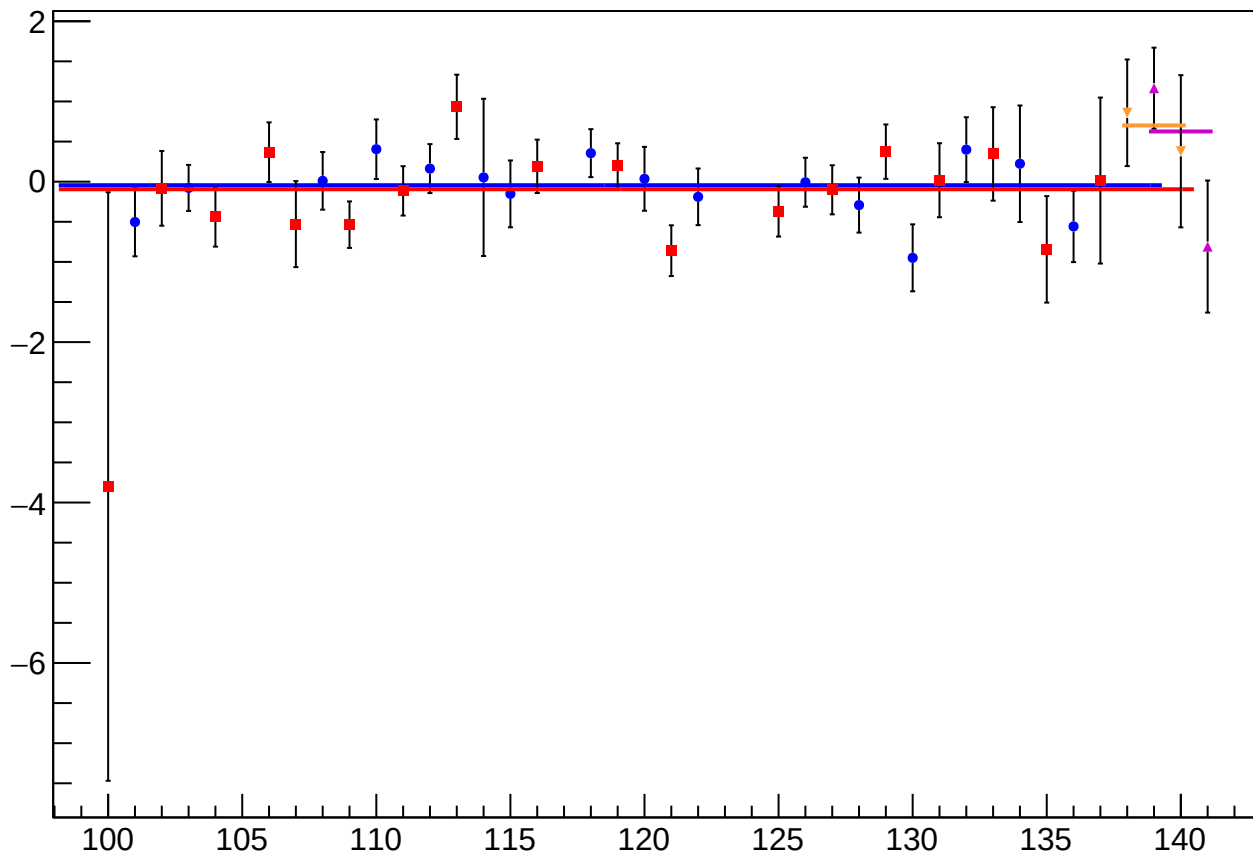
Left In: 0.023 $\pm$ 0.000 χ^2/NDF : 381019.9/1

+ sign 0.016 $\pm$ 0.000 χ^2/NDF : 2659188.3/17

All: 0.008 $\pm$ 0.000 χ^2/NDF : 17283356.7/37

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 10055184.1/19

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

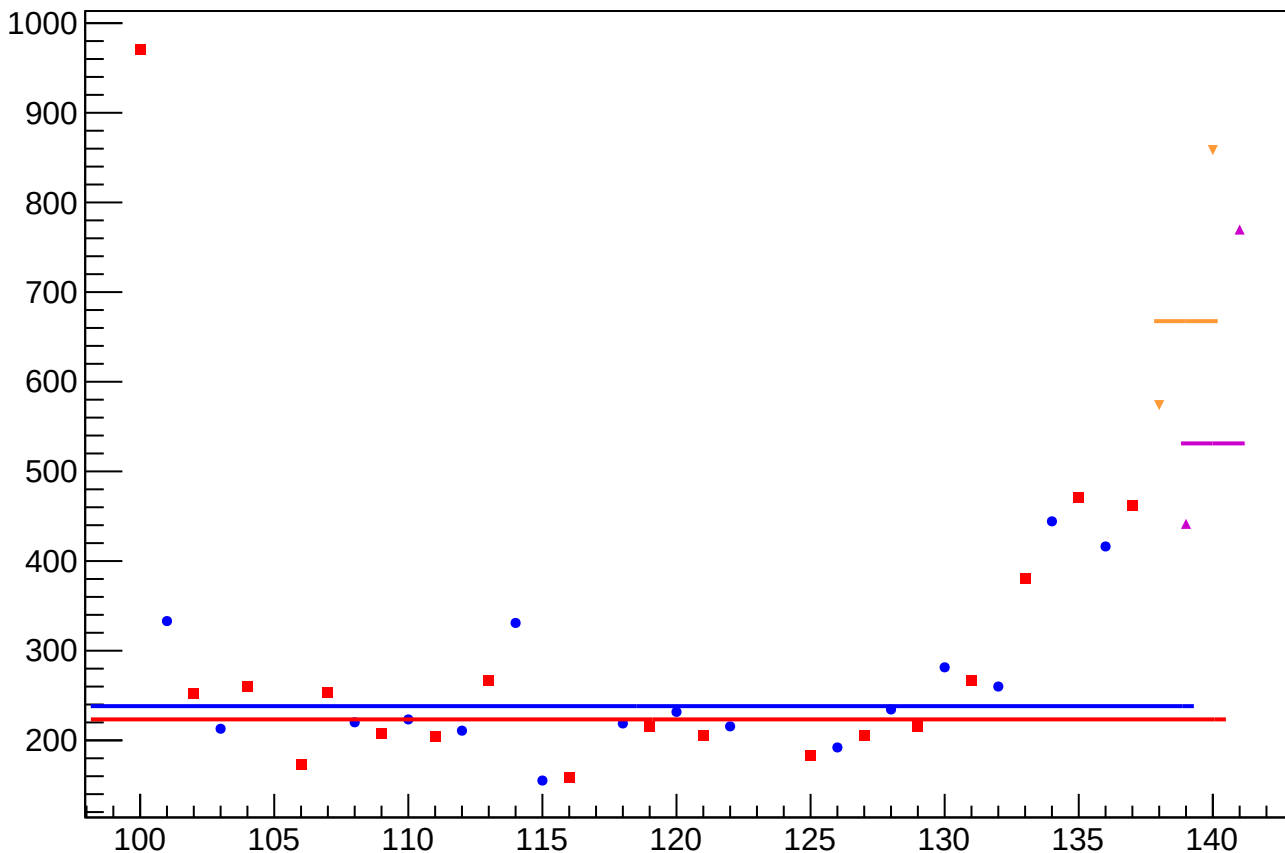
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.044 ± 0.064 χ^2/NDF : 47.3/37

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF : 807170.1/15

Left Out: 667.598+/-0.385 χ^2/NDF : 120614.1/1

Right Out: 223.390+/-0.064 χ^2/NDF : 862366.3/17

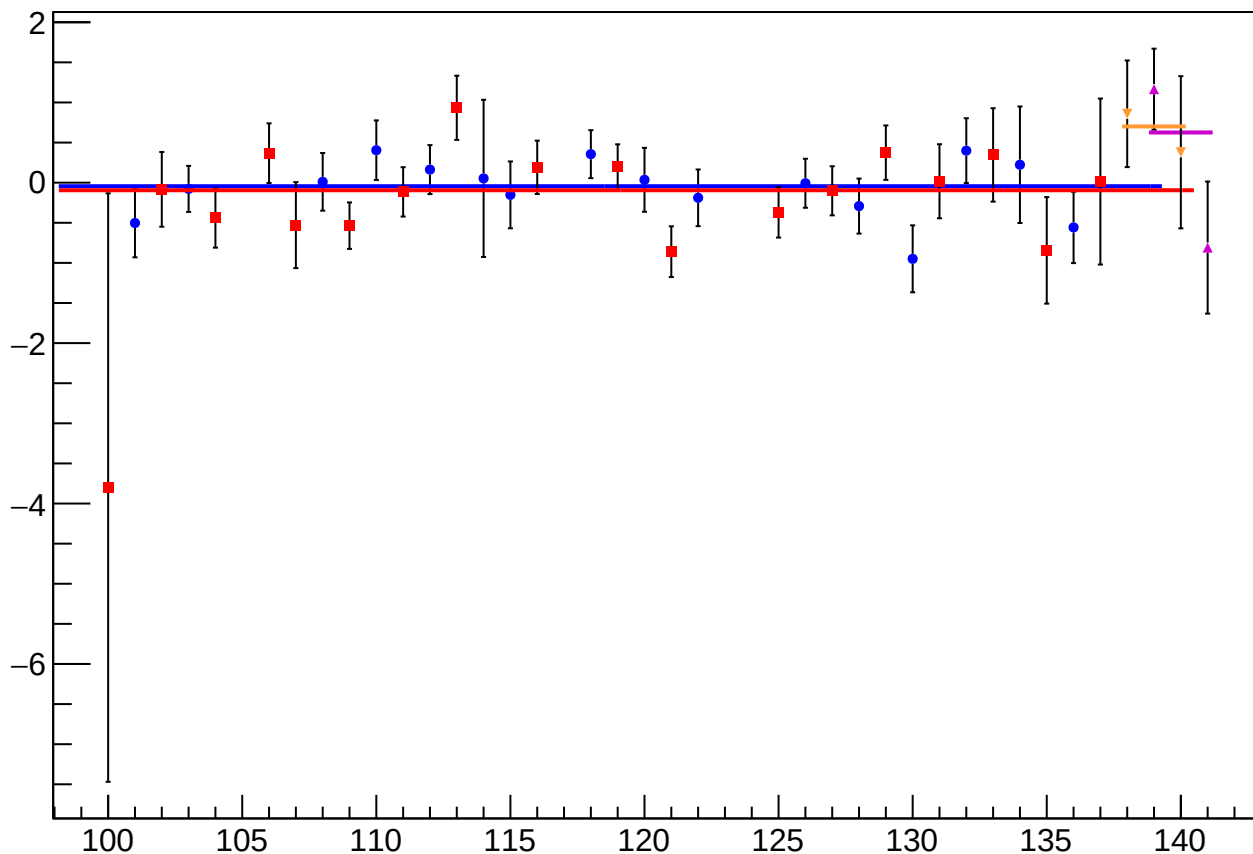
Left In: 531.241+/-0.304 χ^2/NDF : 231024.9/1

+ sign 250.547+/-0.065 χ^2/NDF : 2136477.2/17

All: 243.081+/-0.045 χ^2/NDF : 4234903.6/37

- sign 236.294+/-0.062 χ^2/NDF : 2073514.4/19

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

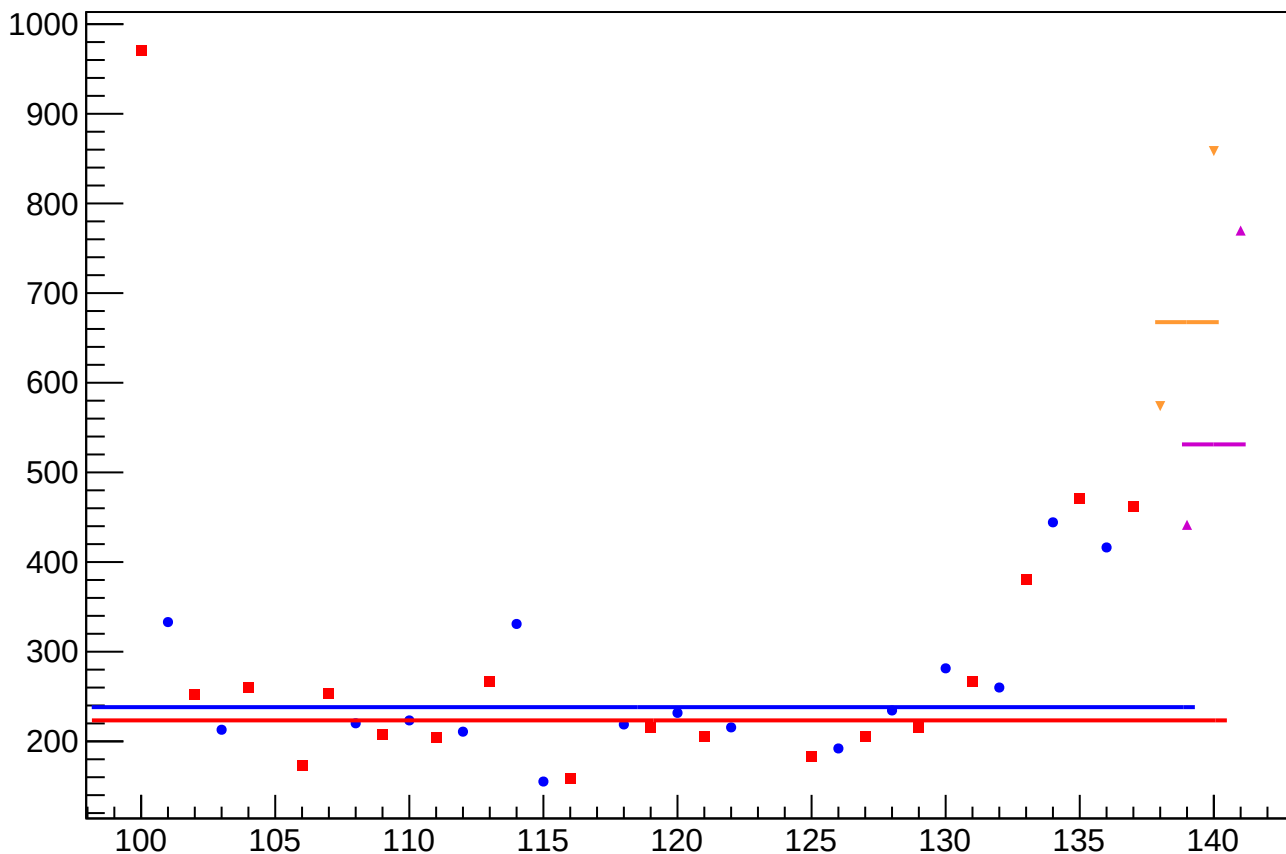
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.023 ± 0.092 χ^2/NDF : 15.1/17

All: -0.044 ± 0.064 χ^2/NDF : 47.3/37

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

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

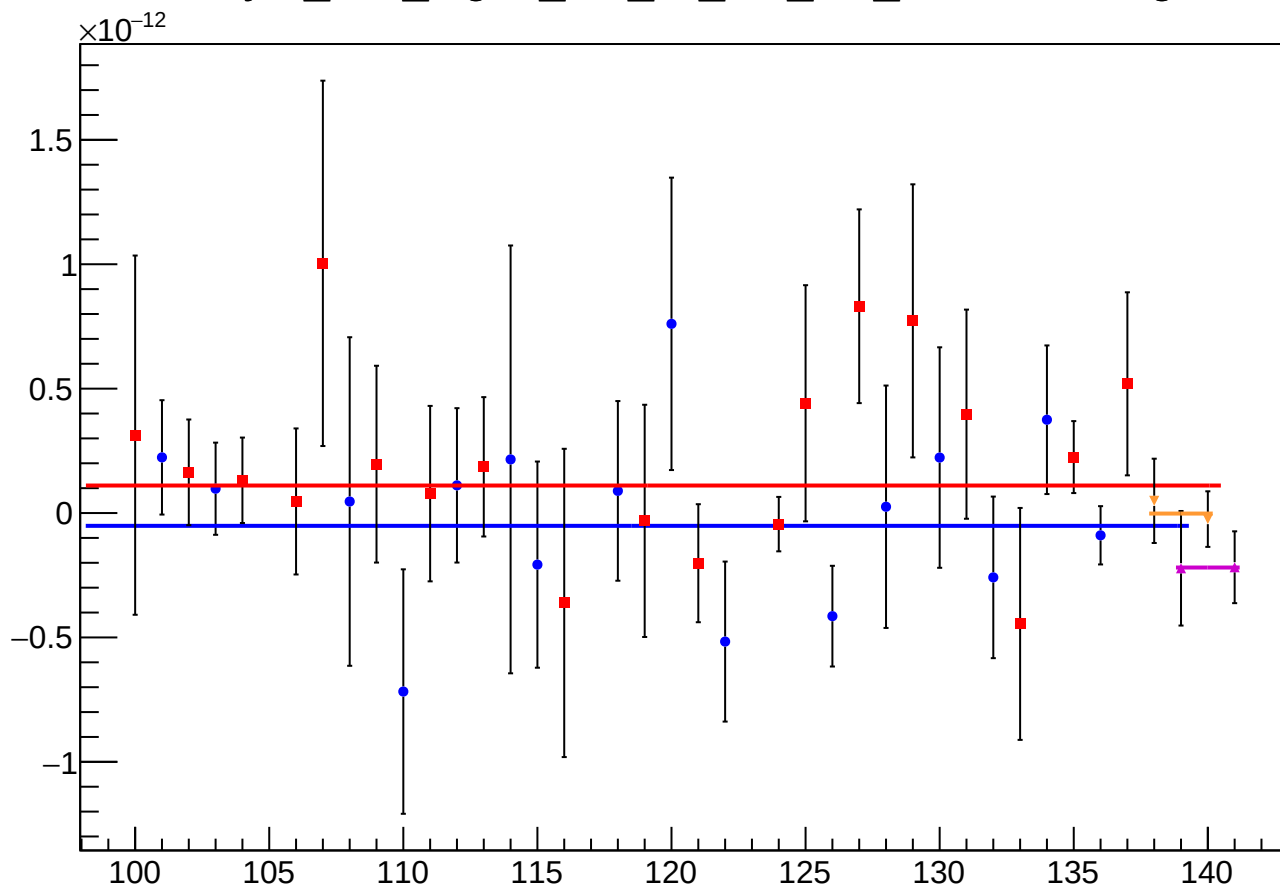
Left In: 531.241+/-0.304 χ^2/NDF : 231024.9/1

+ sign 250.547+/-0.065 χ^2/NDF : 2136477.2/17

All: 243.081+/-0.045 χ^2/NDF : 4234903.6/37

- sign 236.294+/-0.062 χ^2/NDF : 2073514.4/19

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

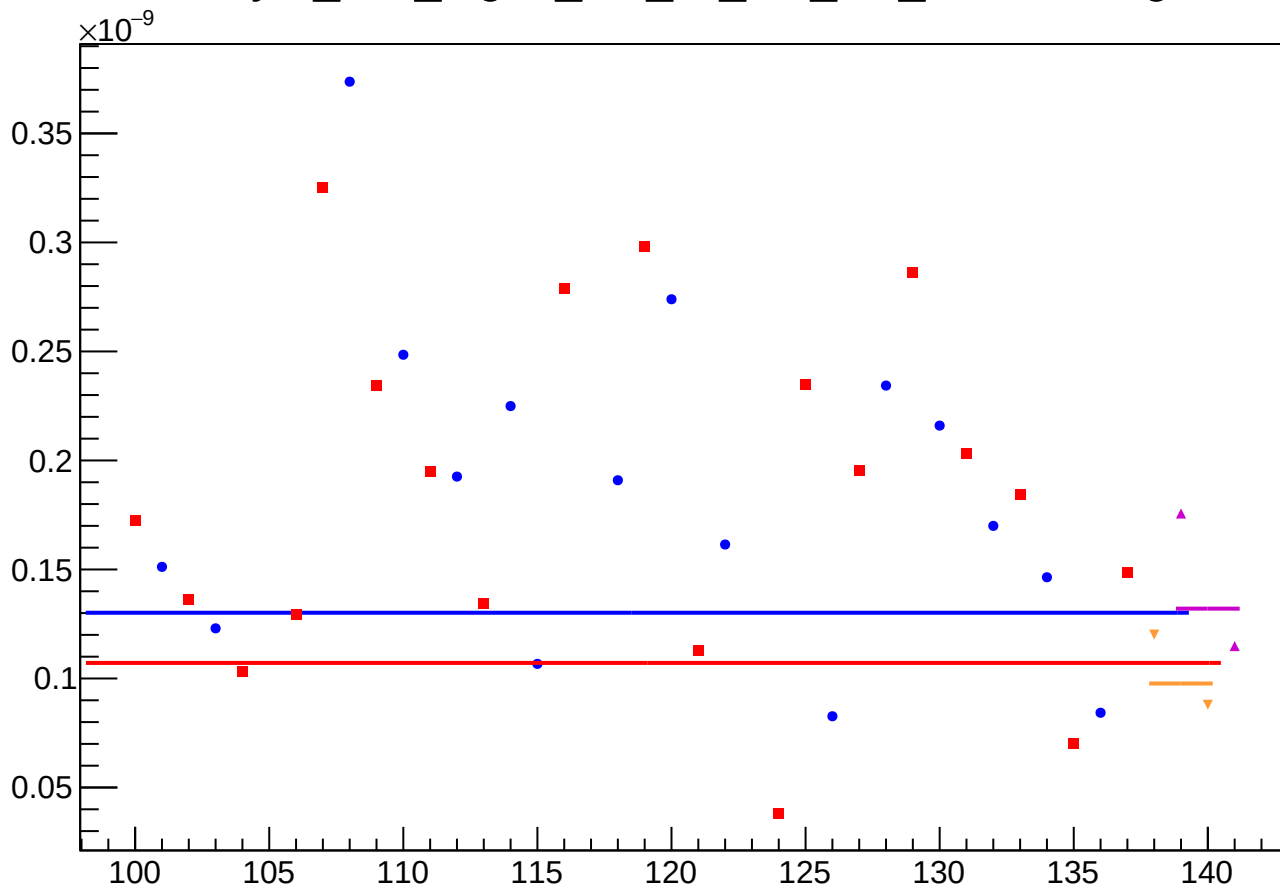
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 15.1/17

All: 0.000 ± 0.000 χ^2/NDF : 37.5/38

- sign 0.000 ± 0.000 χ^2/NDF : 21.2/20

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

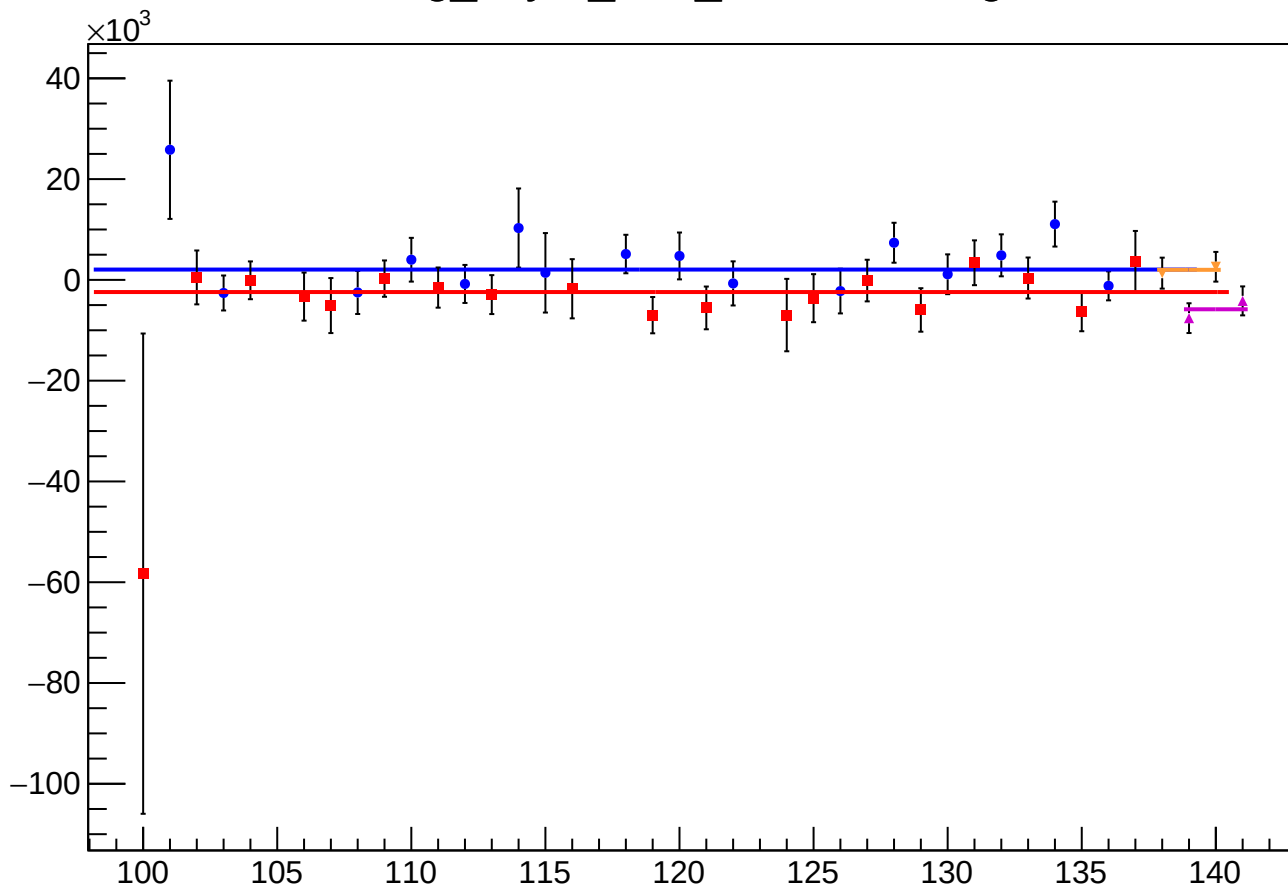
Left In: 0.000+/-0.000 χ^2/NDF : 100143.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 1543569.7/17

All: 0.000+/-0.000 χ^2/NDF : 4384663.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2823494.5/20

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF : 17.8/15

Left Out: 1997.699+/-2127.695 χ^2/NDF : 0.1/1

Right Out: -2411.858+/-1035.471 χ^2/NDF : 10.8/18

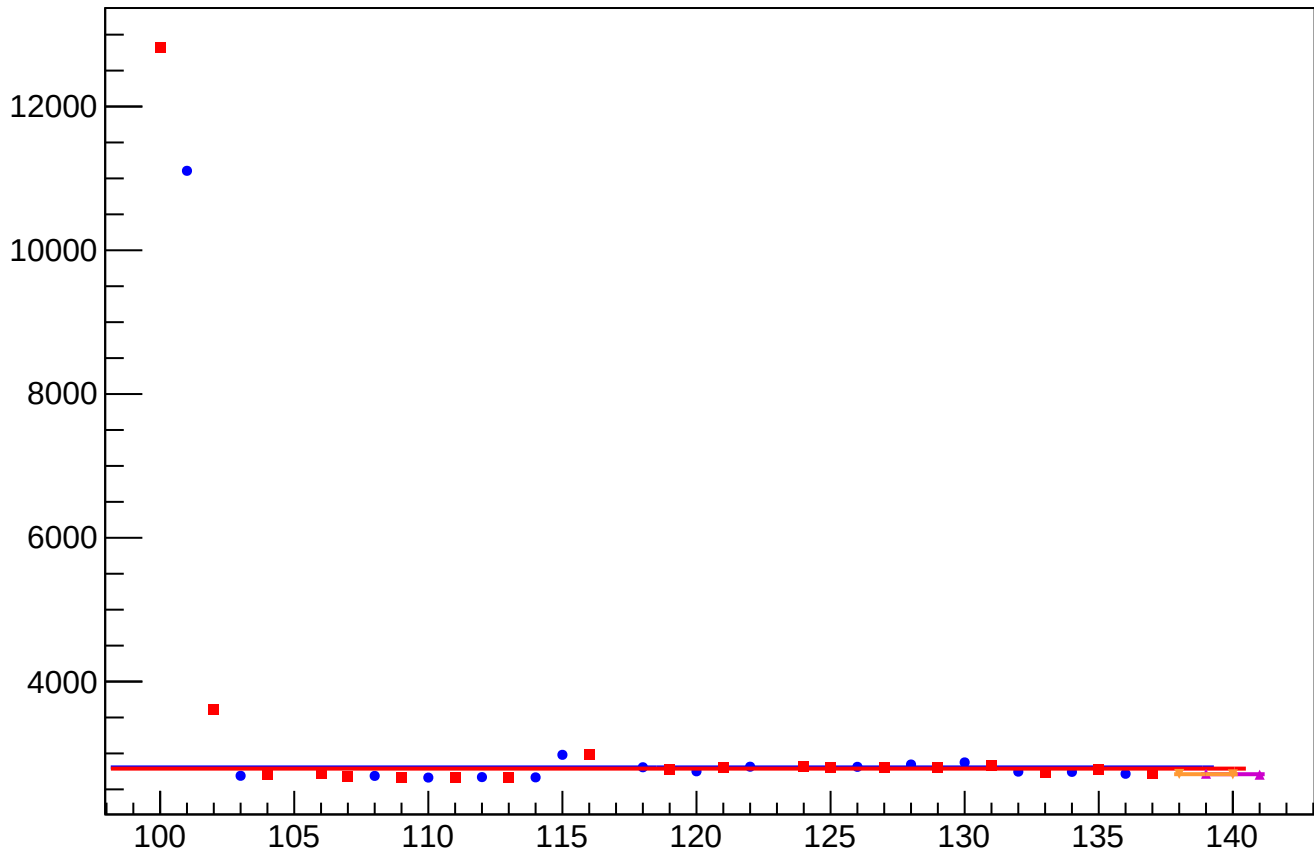
Left In: -5833.176+/-2059.981 χ^2/NDF : 0.7/1

+ sign 2039.032+/-956.211 χ^2/NDF : 17.9/17

All: -616.266+/-664.896 χ^2/NDF : 46.5/38

- sign -3101.950+/-925.167 χ^2/NDF : 13.7/20

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746240.6/15

Left Out: 2711.220+/-1.505 χ^2/NDF : 4.2/1

Right Out: 2788.820+/-0.732 χ^2/NDF : 146998.3/18

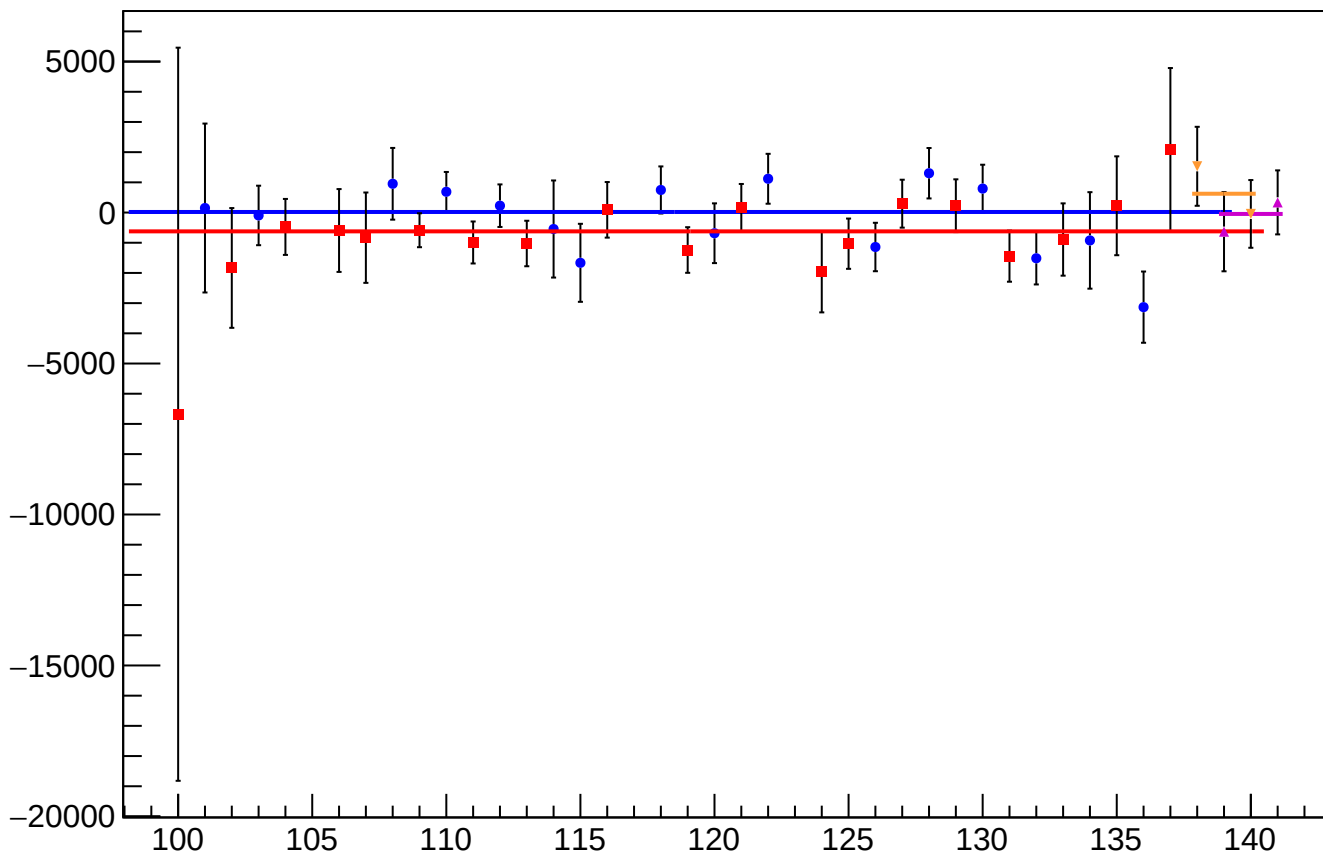
Left In: 2710.852+/-1.457 χ^2/NDF : 21.6/1

+ sign 2786.415+/-0.676 χ^2/NDF : 749375.0/17

All: 2779.535+/-0.470 χ^2/NDF : 898882.6/38

- sign 2773.094+/-0.654 χ^2/NDF : 149307.2/20

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 $\chi^2/\text{NDF}: 9.3/18$

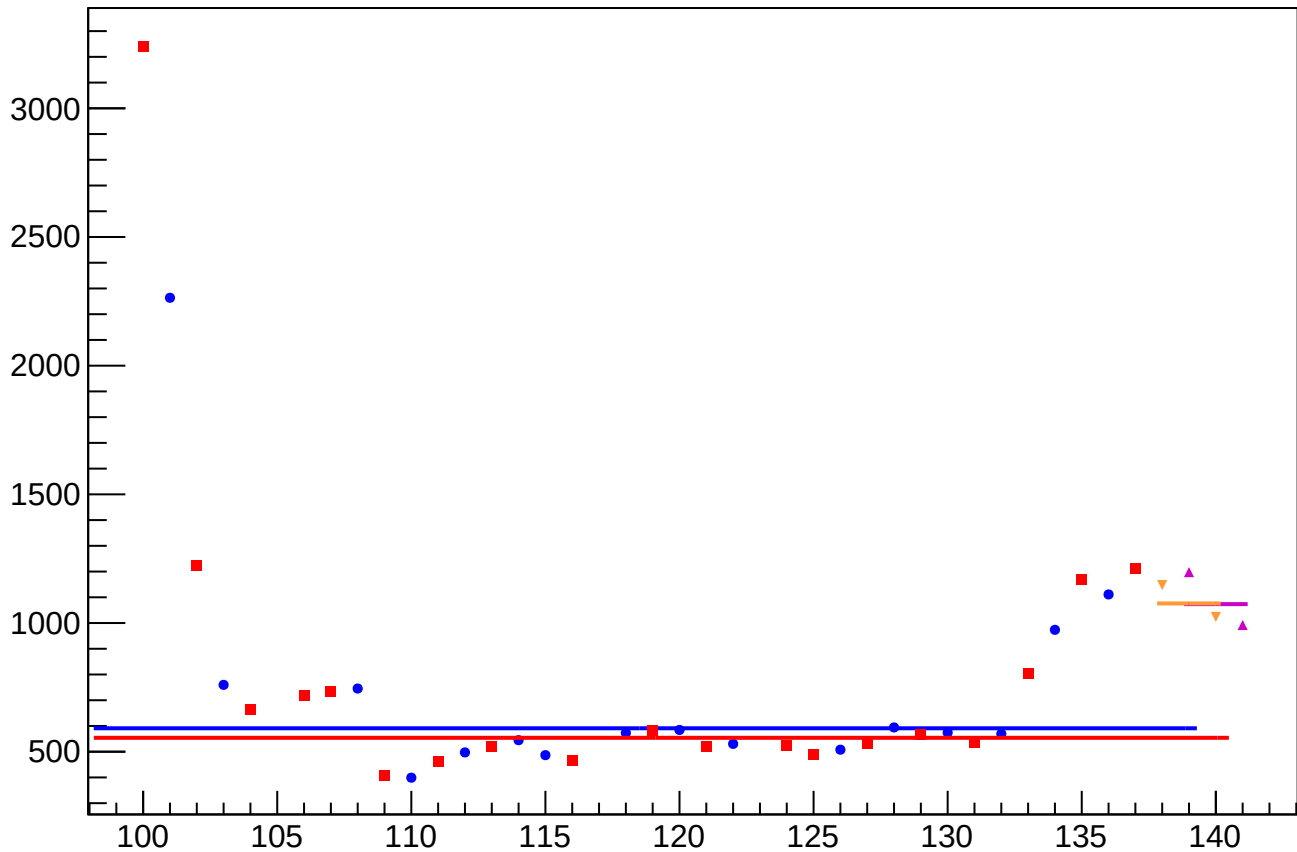
Left In: -46.234 ± 824.664 $\chi^2/\text{NDF}: 0.3/1$

+ sign 61.231 ± 225.168 $\chi^2/\text{NDF}: 24.1/17$

All: -286.649 ± 153.145 $\chi^2/\text{NDF}: 38.6/38$

- sign -586.088 ± 208.904 $\chi^2/\text{NDF}: 10.1/20$

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF : 1567663.5/15

Left Out: 1076.100+/-0.602 χ^2/NDF : 10335.9/1

Right Out: 553.982+/-0.153 χ^2/NDF : 1116915.2/18

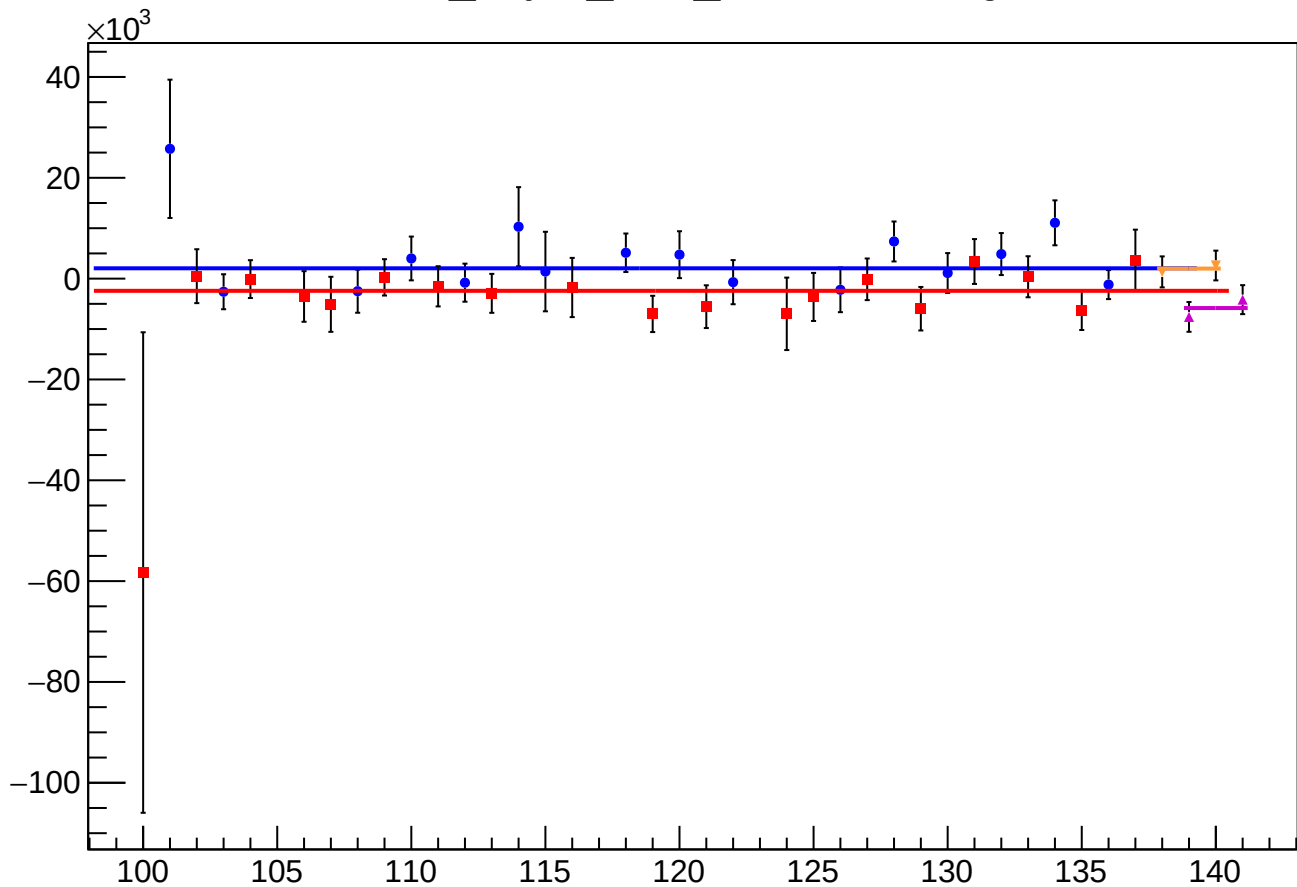
Left In: 1073.429+/-0.583 χ^2/NDF : 29642.3/1

+ sign 624.973+/-0.159 χ^2/NDF : 2181834.0/17

All: 604.735+/-0.108 χ^2/NDF : 4101055.9/38

- sign 587.315+/-0.148 χ^2/NDF : 1889159.6/20

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

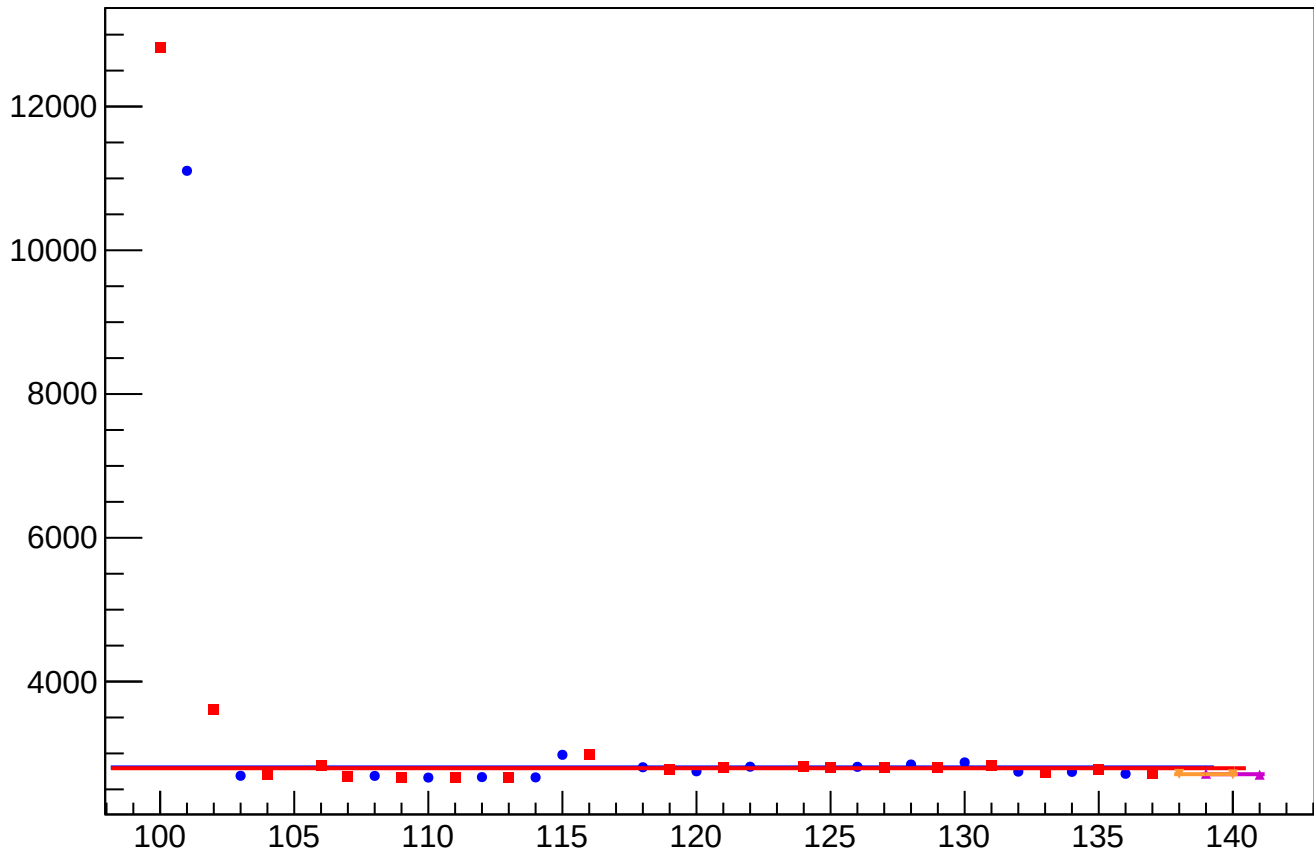
Left In: -5833.655 $\pm$ 2059.981 χ^2 /NDF: 0.7/1

+ sign 2038.394 $\pm$ 956.211 χ^2 /NDF: 17.9/17

All: -615.708 $\pm$ 665.526 χ^2 /NDF: 46.5/38

- sign -3109.411 $\pm$ 926.866 χ^2 /NDF: 13.7/20

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF : 4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

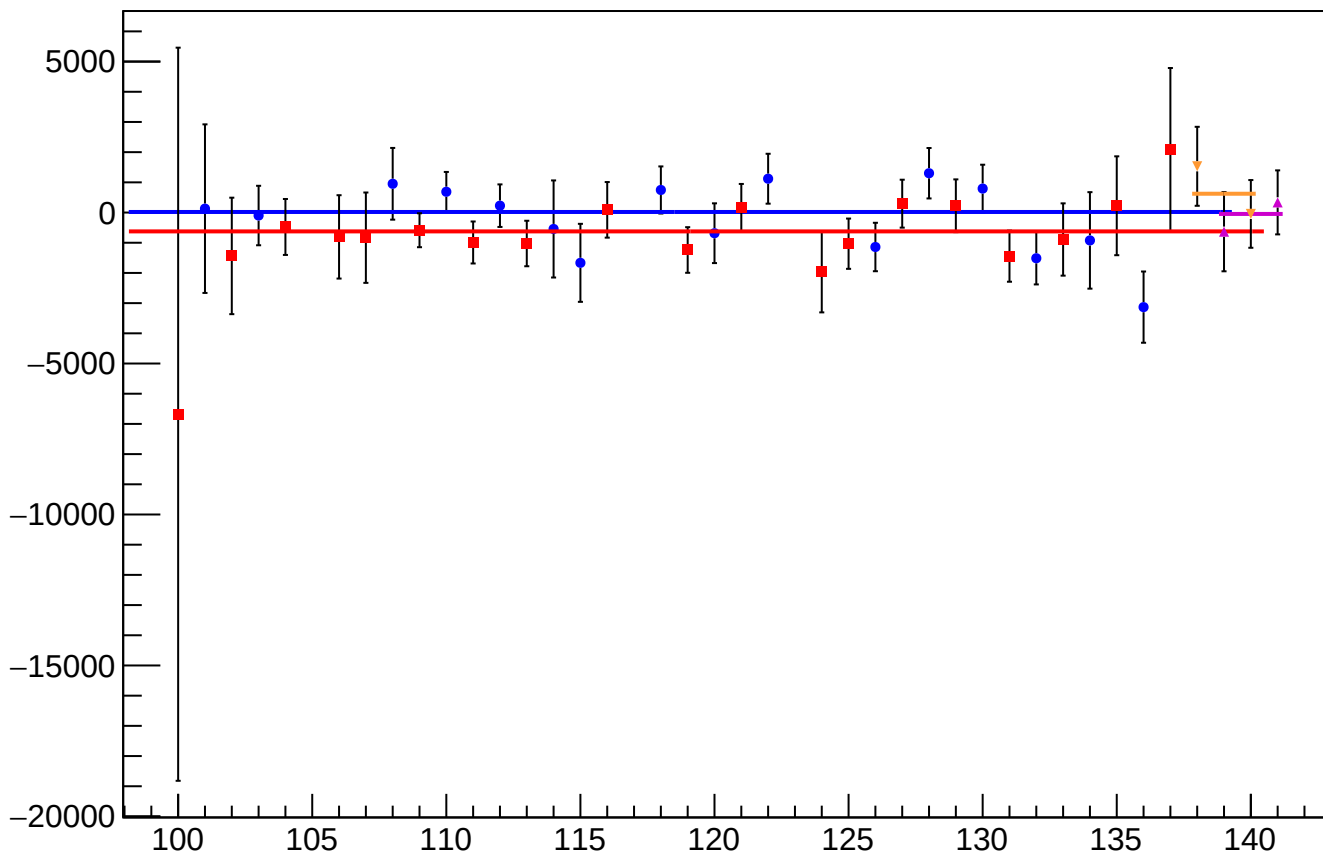
Left In: 2710.852+/-1.457 χ^2/NDF : 21.6/1

+ sign 2786.415+/-0.676 χ^2/NDF : 749374.1/17

All: 2781.711+/-0.471 χ^2/NDF : 898842.5/38

- sign 2777.292+/-0.655 χ^2/NDF : 149374.5/20

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: 622.862 ± 851.341 χ^2/NDF : 0.8/1

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

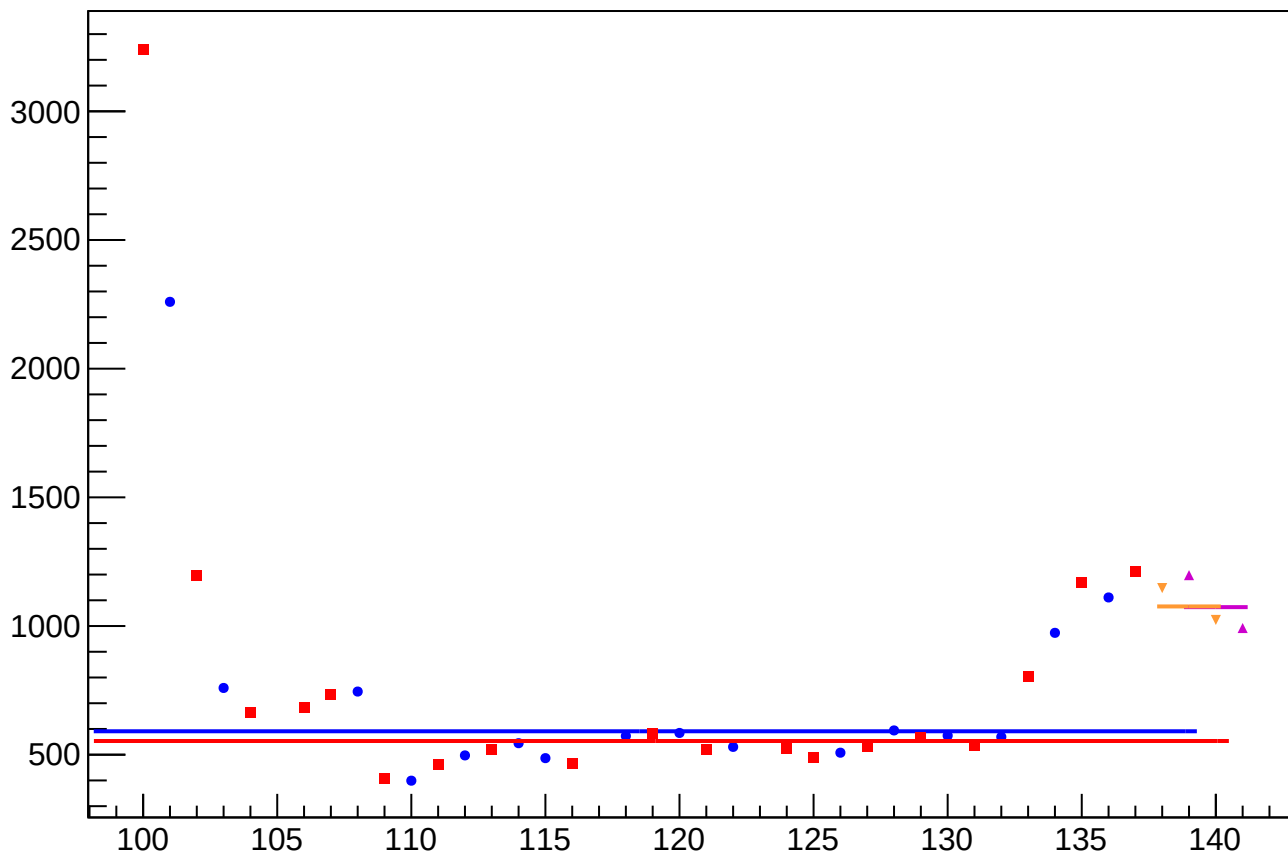
Left In: -46.191 ± 824.659 χ^2/NDF : 0.3/1

+ sign 61.183 ± 225.158 χ^2/NDF : 24.1/17

All: -287.286 ± 153.125 χ^2/NDF : 38.4/38

- sign -587.139 ± 208.862 χ^2/NDF : 9.9/20

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF : 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF : 10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF : 1101651.0/18

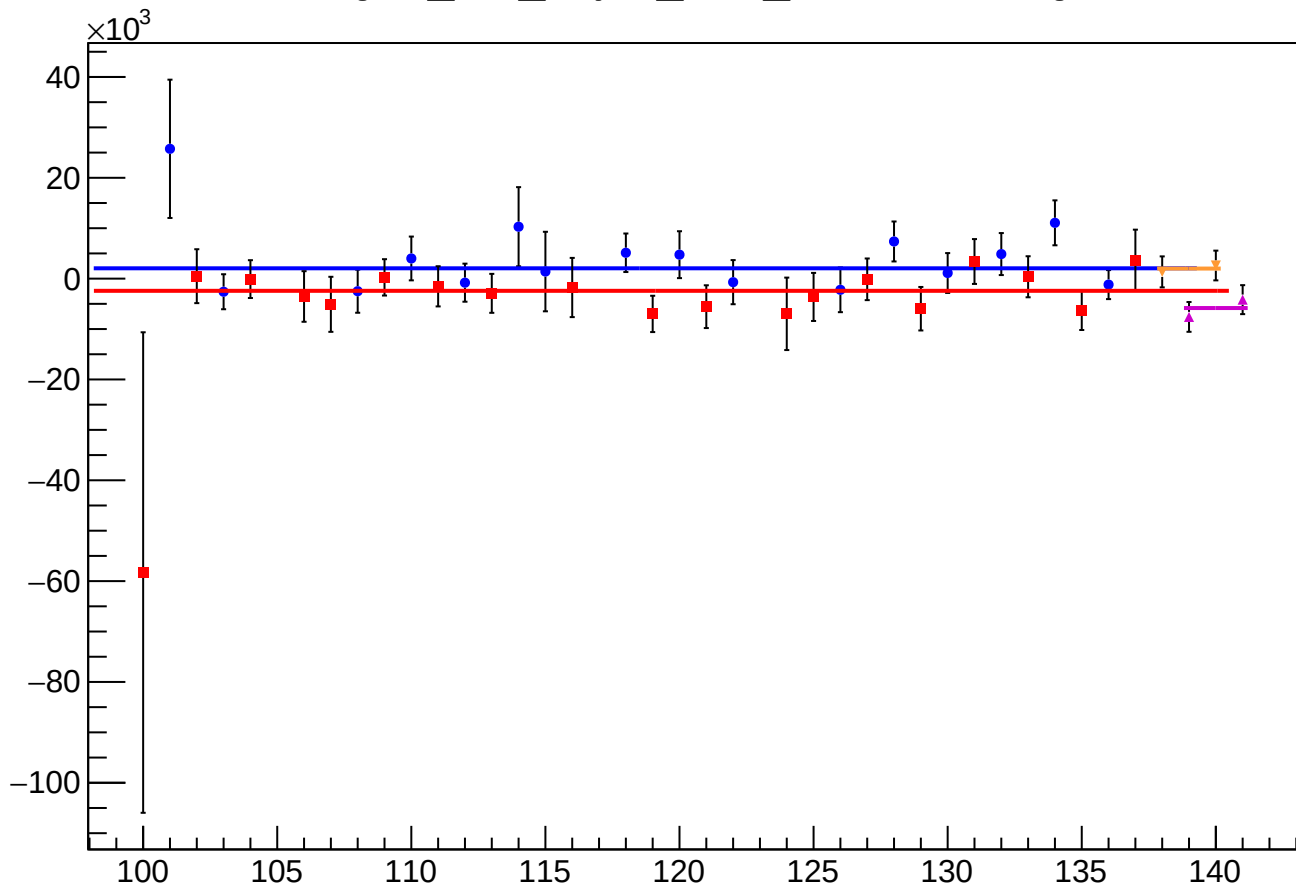
Left In: 1073.419+/-0.583 χ^2/NDF : 29650.2/1

+ sign 624.968+/-0.159 χ^2/NDF : 2180807.9/17

All: 604.346+/-0.108 χ^2/NDF : 4088066.5/38

- sign 586.601+/-0.148 χ^2/NDF : 1876045.2/20

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

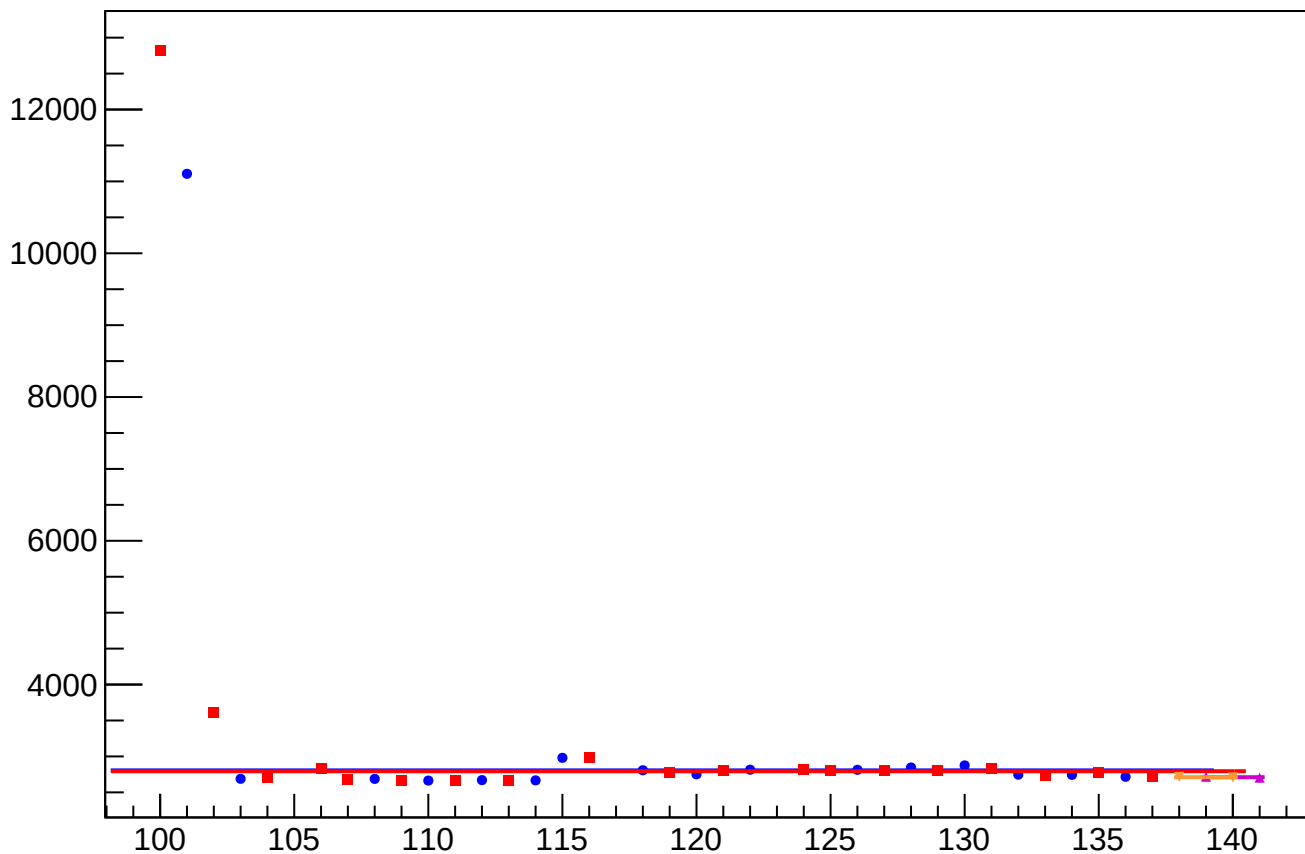
Left In: -5833.655 $\pm$ 2059.981 χ^2 /NDF: 0.7/1

+ sign 2038.394 $\pm$ 956.211 χ^2 /NDF: 17.9/17

All: -615.708 $\pm$ 665.526 χ^2 /NDF: 46.5/38

- sign -3109.411 $\pm$ 926.866 χ^2 /NDF: 13.7/20

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF : 4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

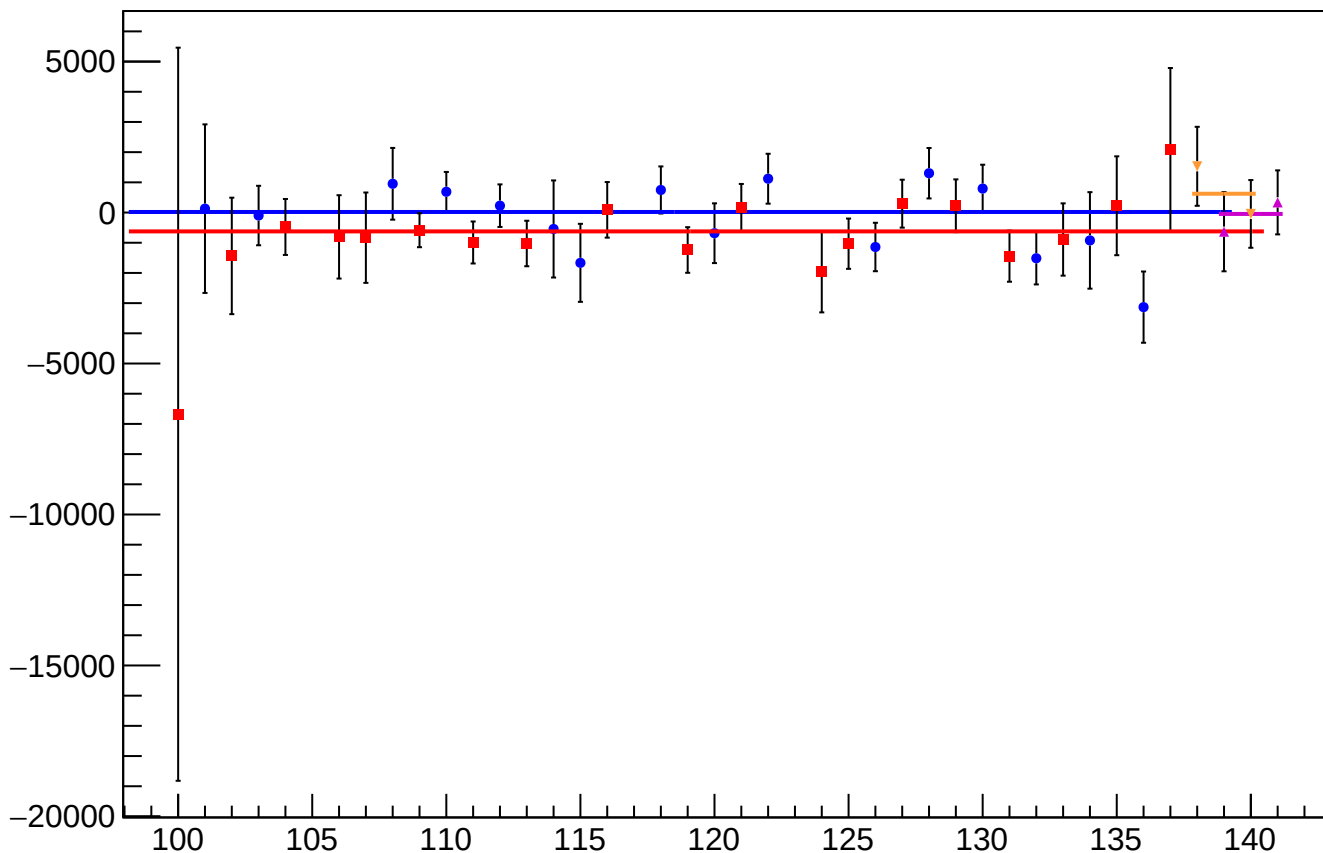
Left In: 2710.852+/-1.457 χ^2/NDF : 21.6/1

+ sign 2786.415+/-0.676 χ^2/NDF : 749374.1/17

All: 2781.711+/-0.471 χ^2/NDF : 898842.5/38

- sign 2777.292+/-0.655 χ^2/NDF : 149374.5/20

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: 622.862 ± 851.341 χ^2/NDF : 0.8/1

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

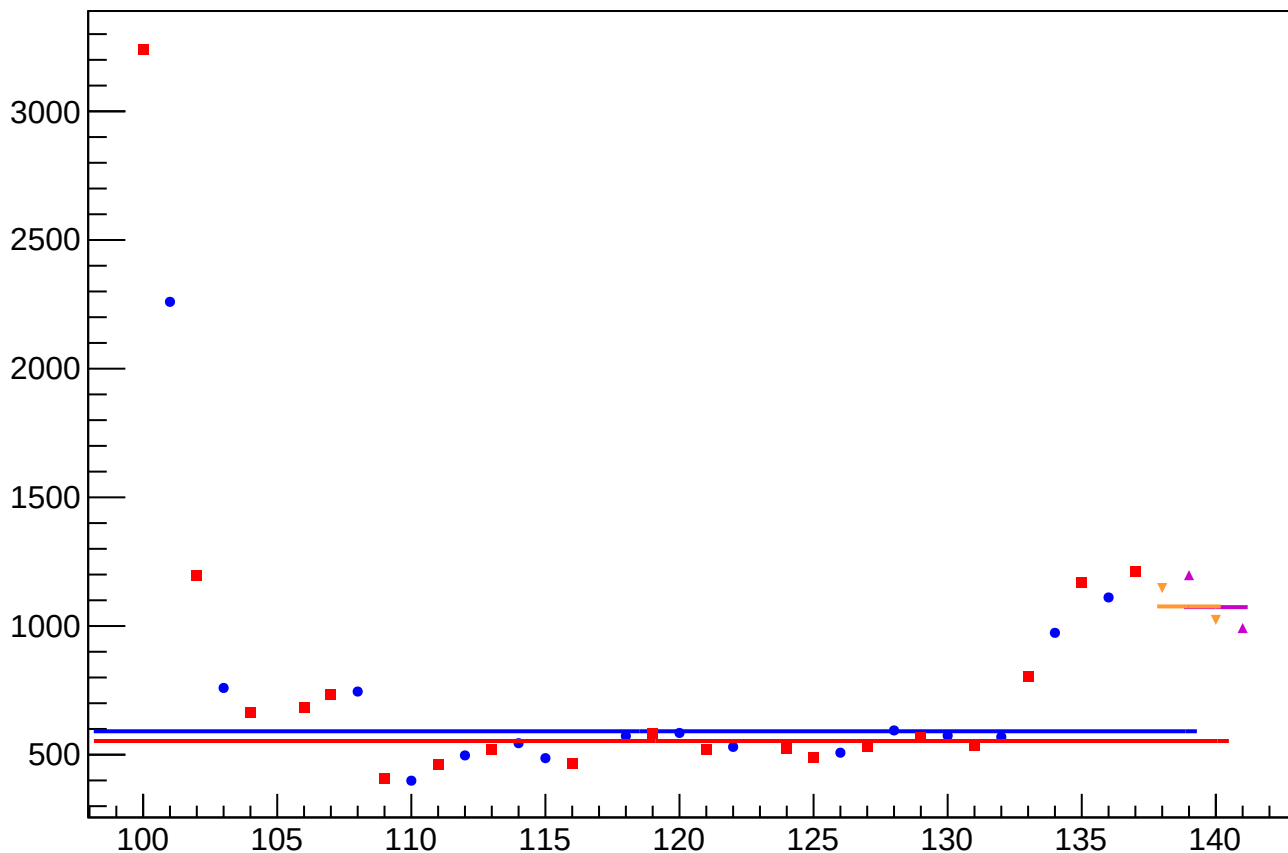
Left In: -46.191 ± 824.659 χ^2/NDF : 0.3/1

+ sign 61.183 ± 225.158 χ^2/NDF : 24.1/17

All: -287.286 ± 153.125 χ^2/NDF : 38.4/38

- sign -587.139 ± 208.862 χ^2/NDF : 9.9/20

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF : 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF : 10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF : 1101651.0/18

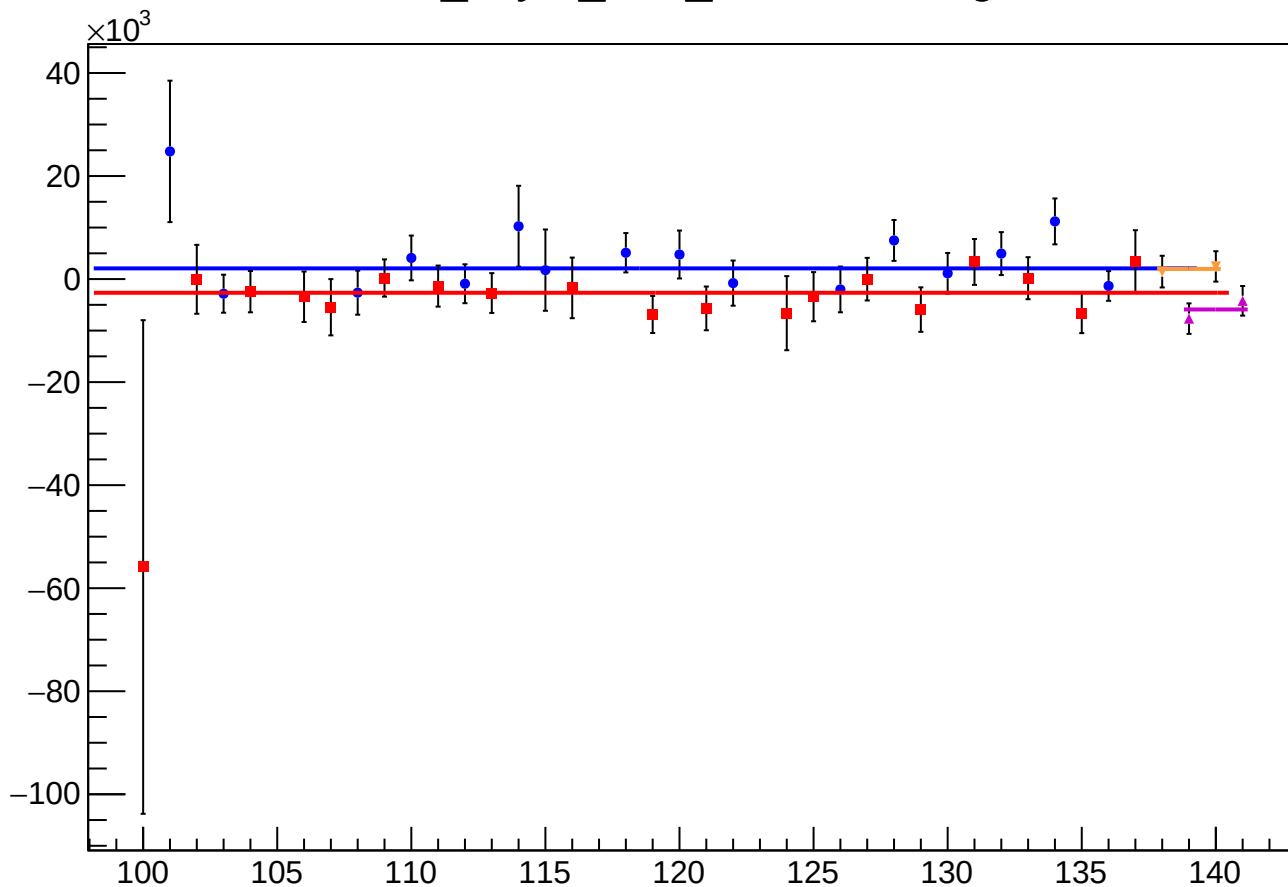
Left In: 1073.419+/-0.583 χ^2/NDF : 29650.2/1

+ sign 624.968+/-0.159 χ^2/NDF : 2180807.9/17

All: 604.346+/-0.108 χ^2/NDF : 4088066.5/38

- sign 586.601+/-0.148 χ^2/NDF : 1876045.2/20

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

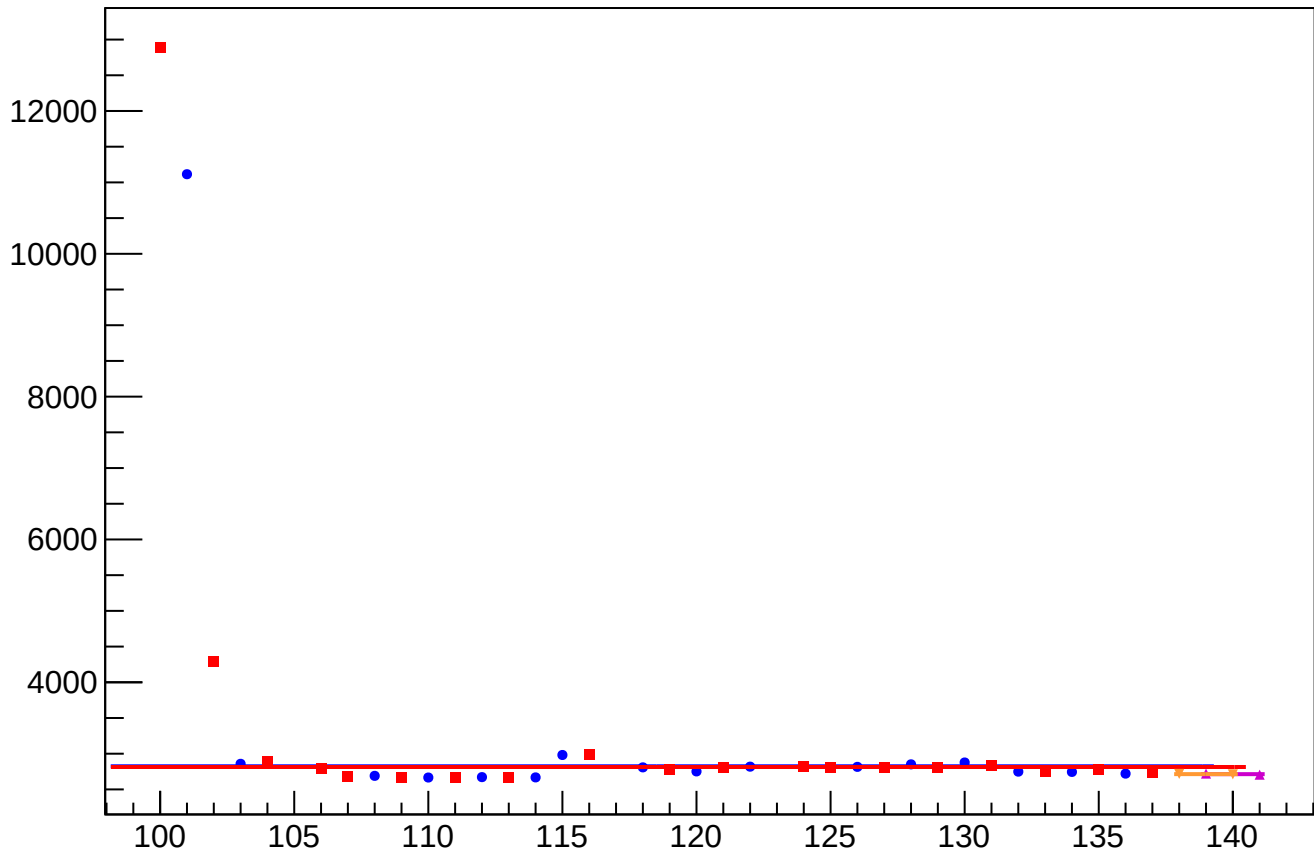
Left In: -5899.535 $\pm$ 2062.153 χ^2/NDF : 0.7/1

+ sign 2054.131 $\pm$ 961.242 χ^2/NDF : 17.9/17

All: -707.991 $\pm$ 670.449 χ^2/NDF : 46.6/38

- sign -3324.690 $\pm$ 935.596 χ^2/NDF : 12.6/20

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF : 4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.9/18

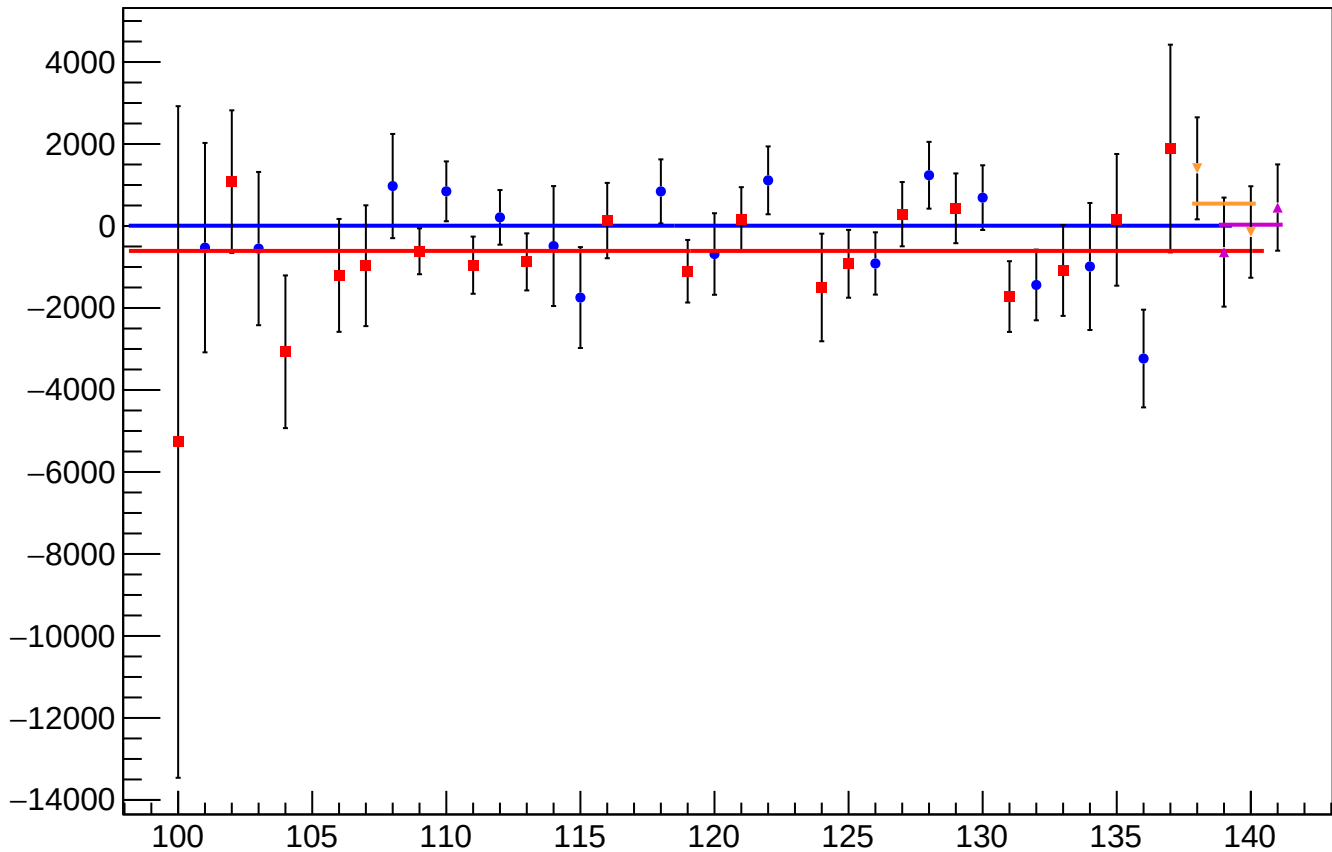
Left In: 2713.653+/-1.458 χ^2/NDF : 28.0/1

+ sign 2801.158+/-0.680 χ^2/NDF : 748125.0/17

All: 2797.073+/-0.474 χ^2/NDF : 952482.8/38

- sign 2793.203+/-0.662 χ^2/NDF : 204287.5/20

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

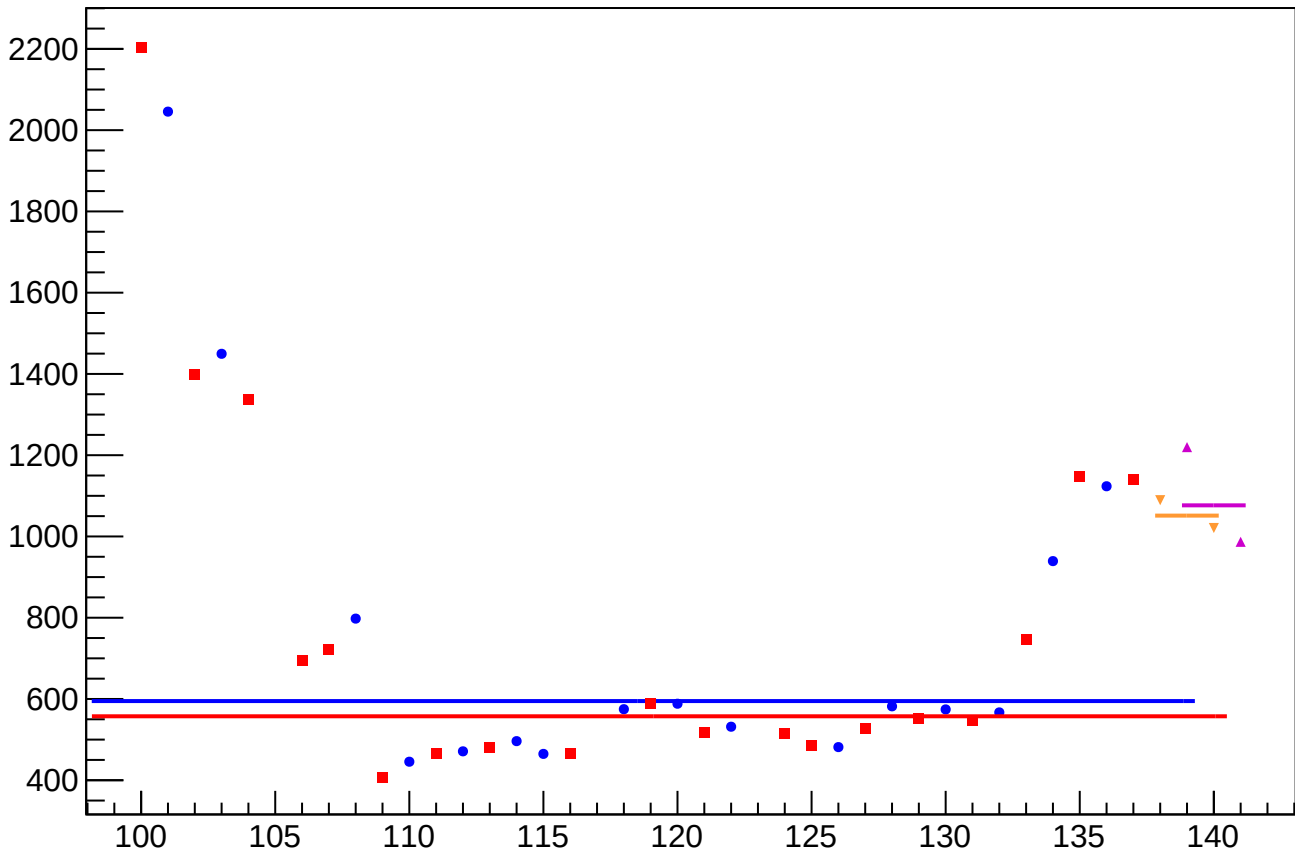
Left In: 31.400 ± 825.320 χ^2/NDF : 0.4/1

+ sign 47.732 ± 228.313 χ^2/NDF : 24.1/17

All: -284.960 ± 154.542 χ^2/NDF : 41.1/38

- sign -566.292 ± 209.952 χ^2/NDF : 13.1/20

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF : 1852655.3/15

Left Out: 1051.314+/-0.587 χ^2/NDF : 3356.1/1

+ sign 629.330+/-0.161 χ^2/NDF : 2414143.4/17

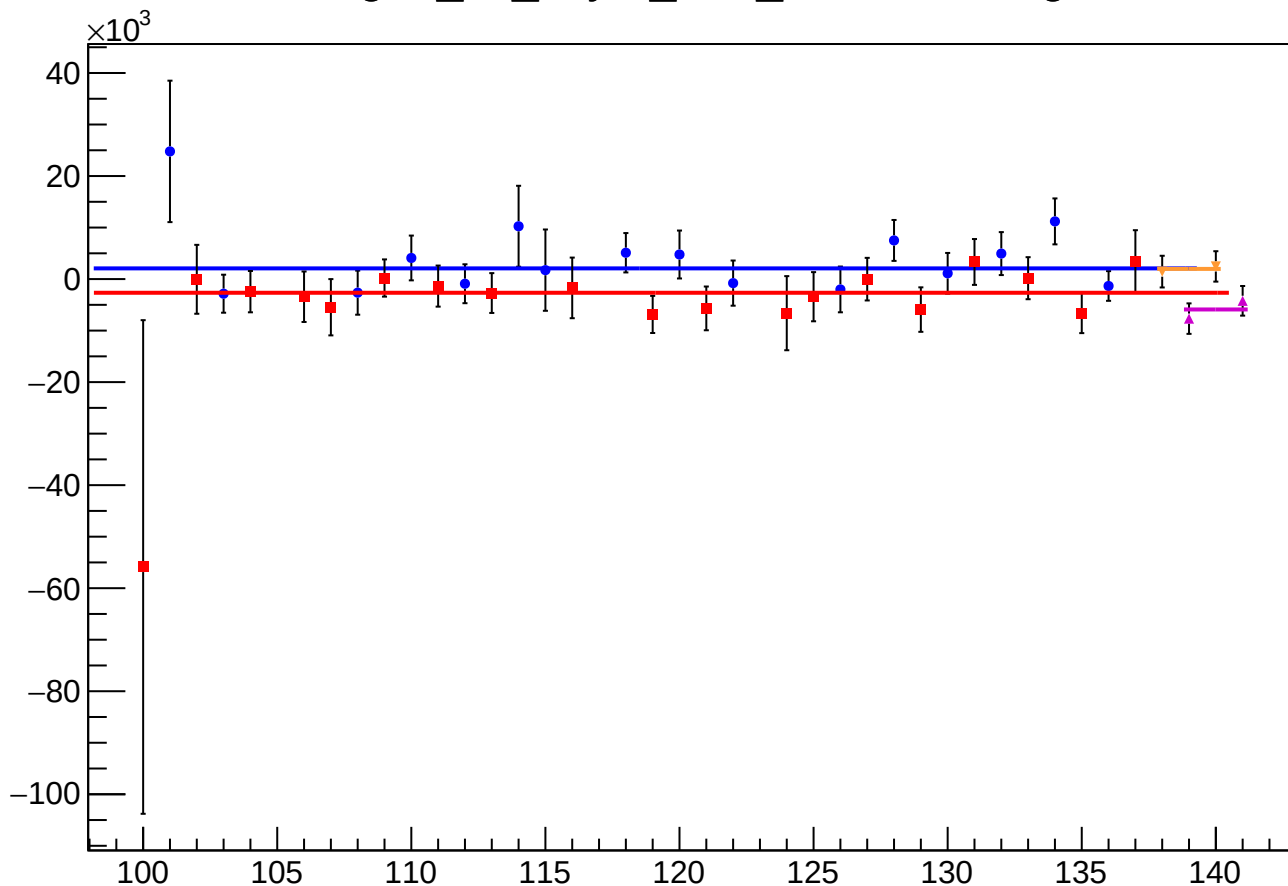
Right Out: 557.397+/-0.154 χ^2/NDF : 1631309.6/18

All: 608.560+/-0.109 χ^2/NDF : 4854022.5/38

- sign 590.996+/-0.148 χ^2/NDF : 2409329.7/20

Left In: 1076.589+/-0.584 χ^2/NDF : 37758.5/1

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

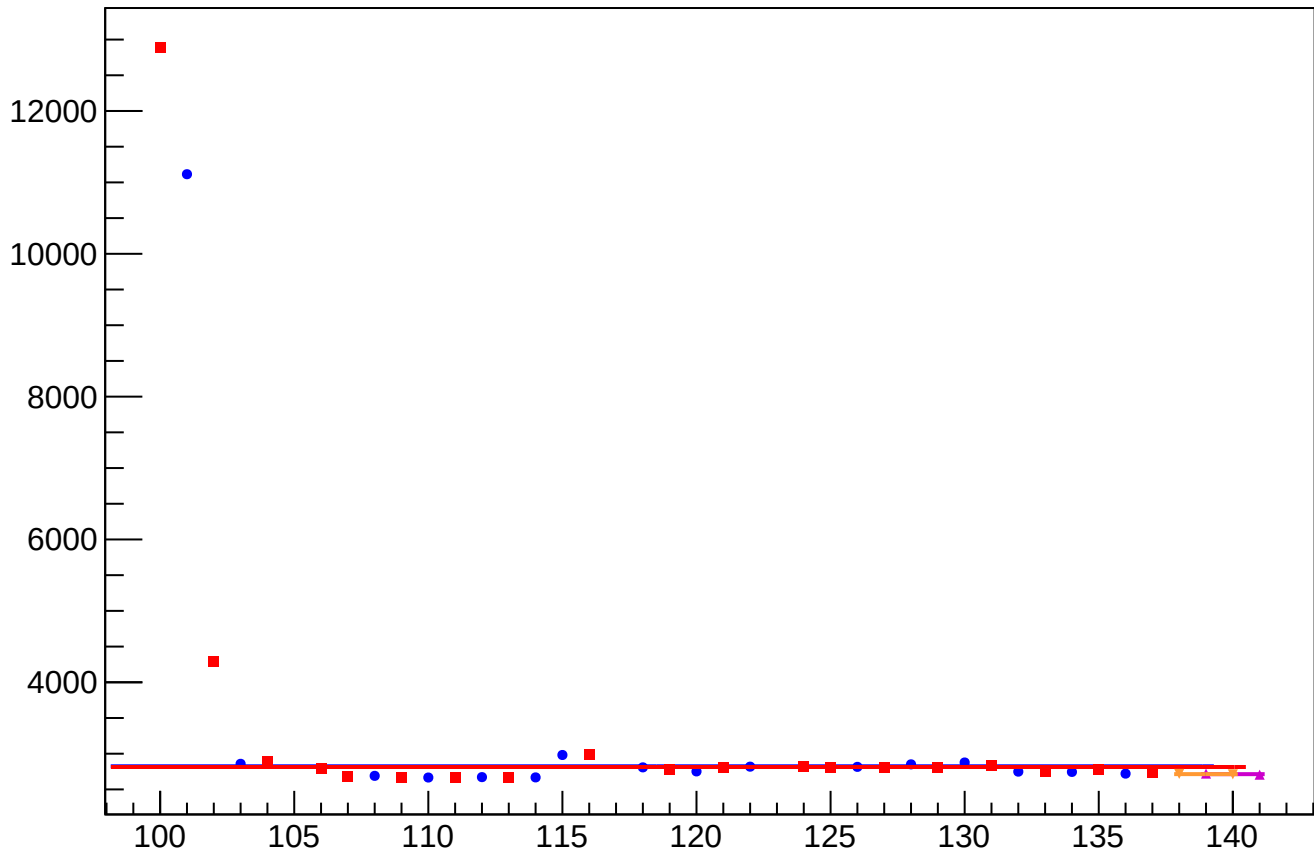
Left In: -5899.533 $\pm$ 2062.153 χ^2/NDF : 0.7/1

+ sign 2054.131 $\pm$ 961.242 χ^2/NDF : 17.9/17

All: -707.990 $\pm$ 670.449 χ^2/NDF : 46.6/38

- sign -3324.688 $\pm$ 935.596 χ^2/NDF : 12.6/20

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF : 4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.7/18

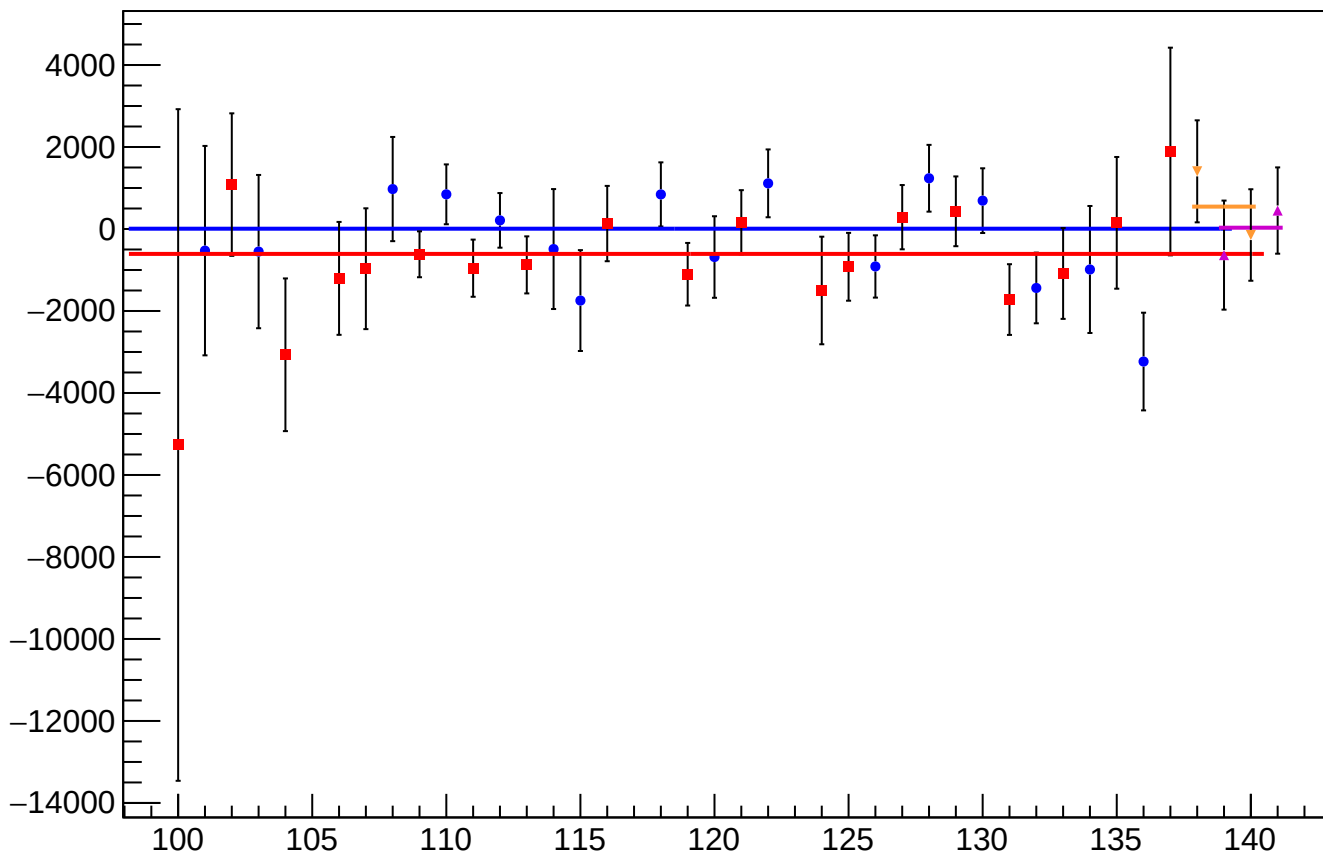
Left In: 2713.653+/-1.458 χ^2/NDF : 28.0/1

+ sign 2801.157+/-0.680 χ^2/NDF : 748124.9/17

All: 2797.072+/-0.474 χ^2/NDF : 952482.5/38

- sign 2793.202+/-0.662 χ^2/NDF : 204287.3/20

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049 ± 237.455 χ^2/NDF : 22.8/15

Left Out: 545.750 ± 830.796 χ^2/NDF : 0.9/1

Right Out: -607.647 ± 217.094 χ^2/NDF : 12.2/18

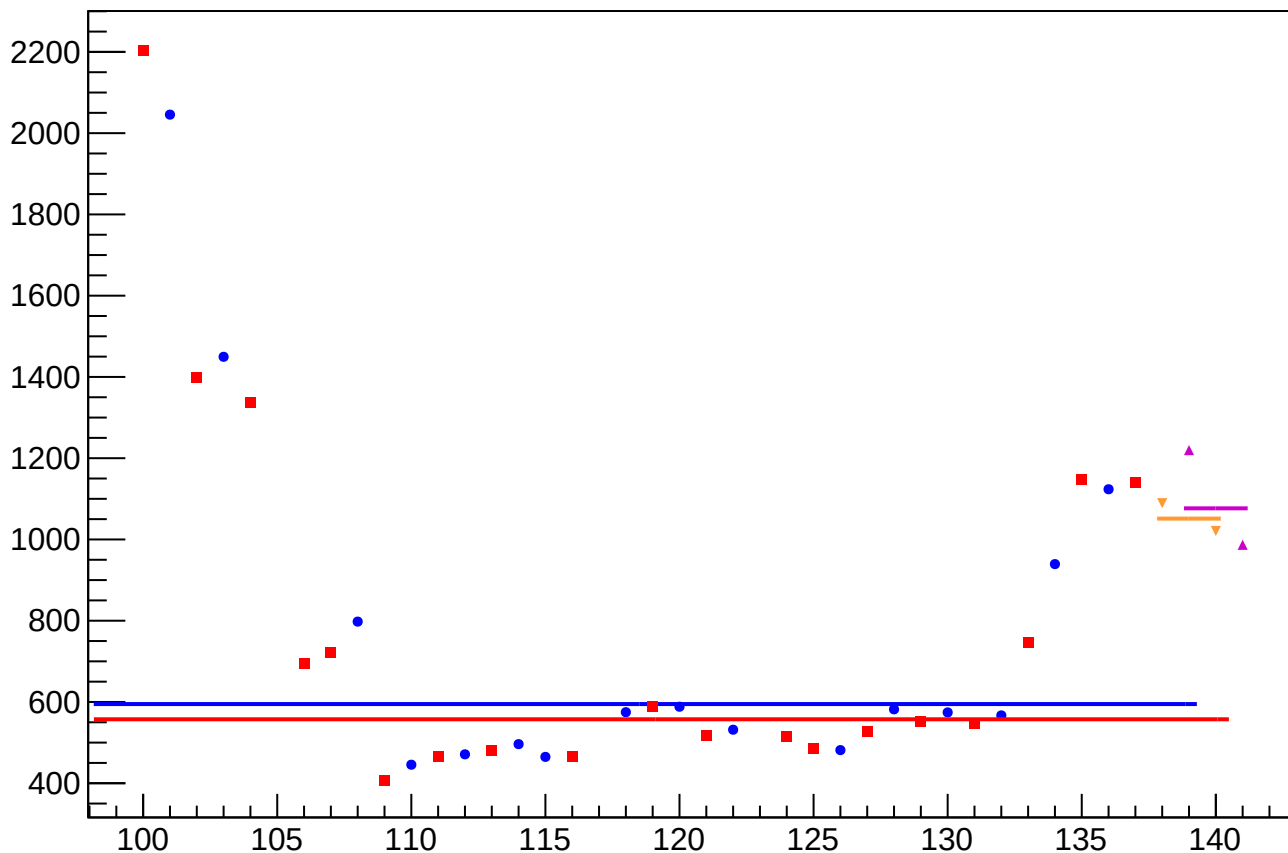
Left In: 31.401 ± 825.320 χ^2/NDF : 0.4/1

+ sign 47.732 ± 228.313 χ^2/NDF : 24.1/17

All: -284.959 ± 154.542 χ^2/NDF : 41.1/38

- sign -566.292 ± 209.952 χ^2/NDF : 13.1/20

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF : 1852649.9/15

Left Out: 1051.314+/-0.587 χ^2/NDF : 3356.0/1

Right Out: 557.397+/-0.154 χ^2/NDF : 1631307.0/18

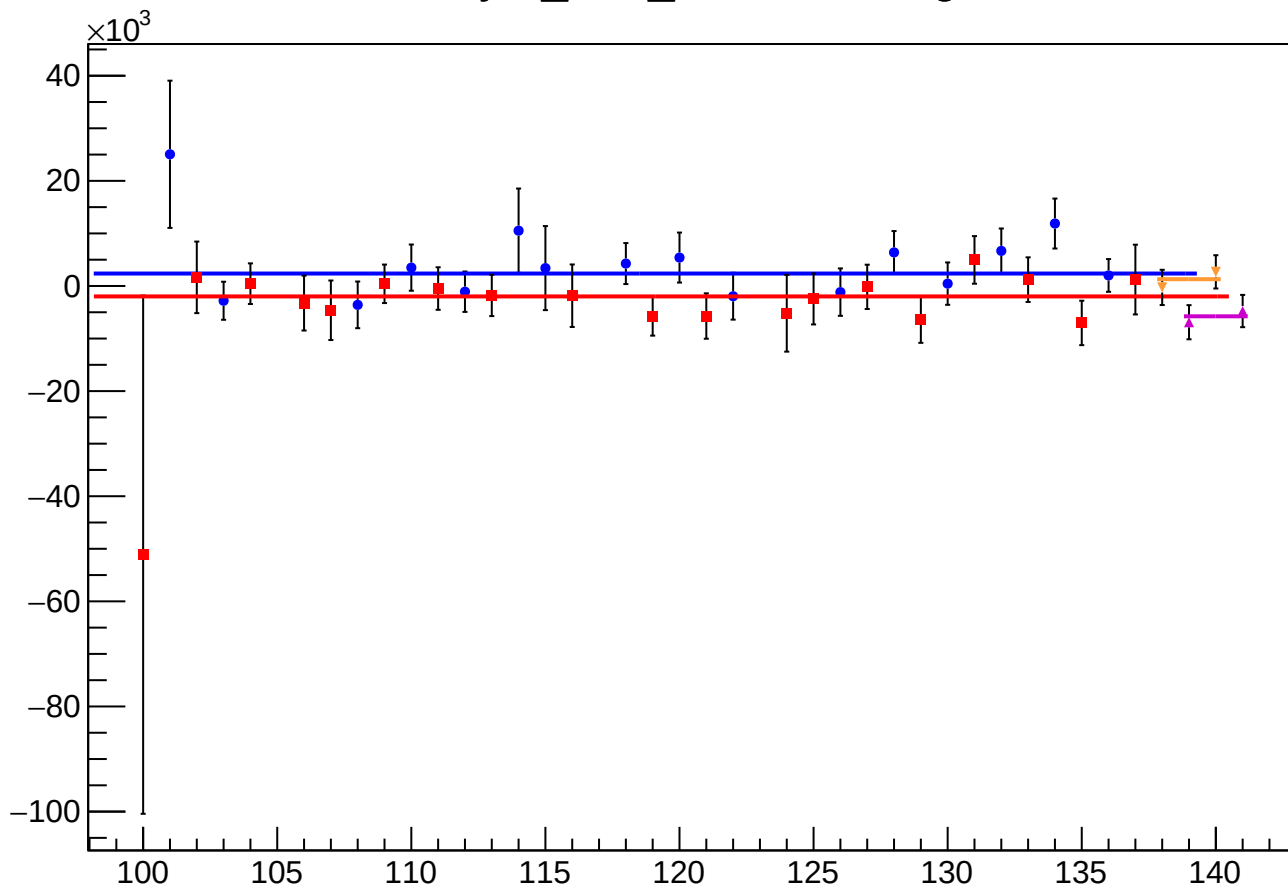
Left In: 1076.589+/-0.584 χ^2/NDF : 37758.2/1

+ sign 629.330+/-0.161 χ^2/NDF : 2414136.2/17

All: 608.560+/-0.109 χ^2/NDF : 4854012.3/38

- sign 590.996+/-0.148 χ^2/NDF : 2409326.2/20

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

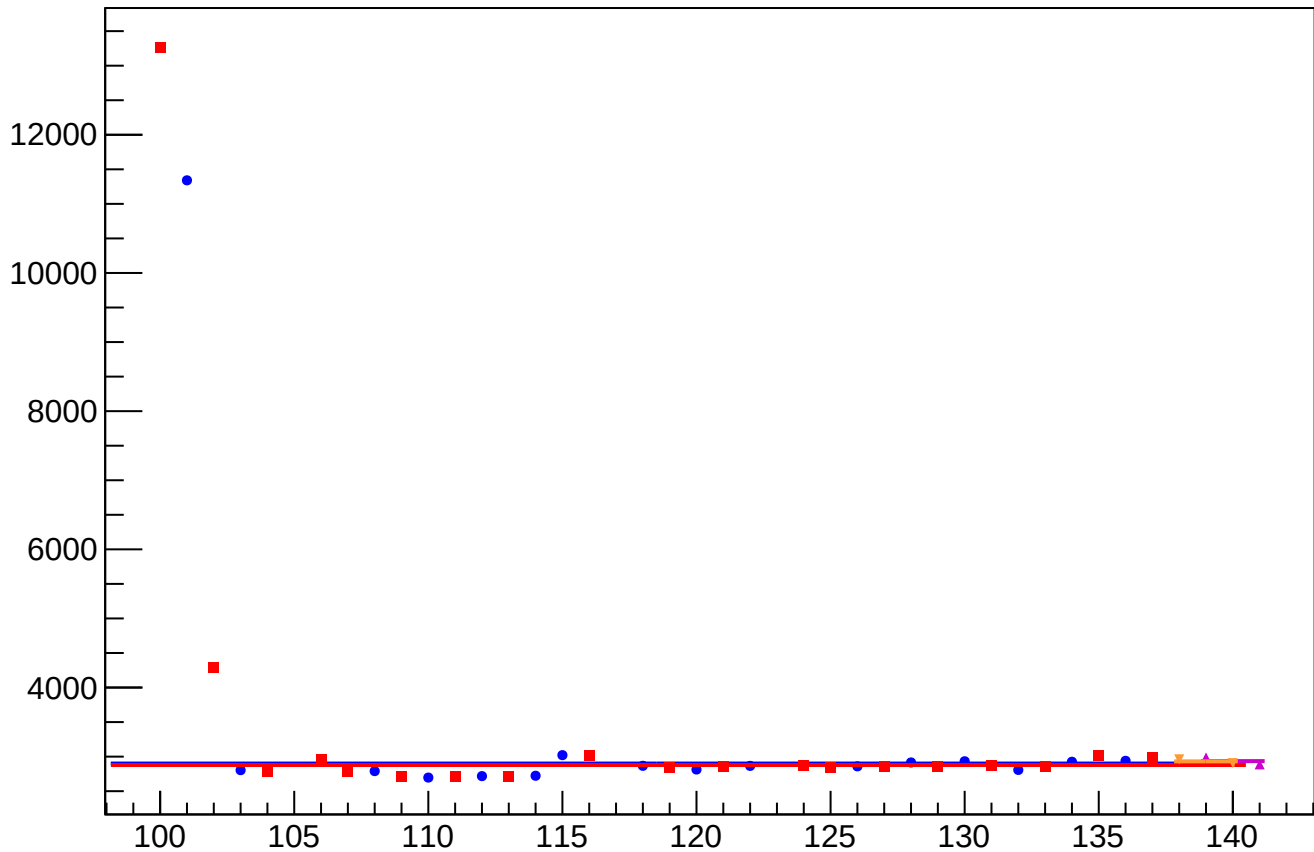
Left In: -5770.017 $\pm$ 2231.318 χ^2 /NDF: 0.2/1

+ sign 2165.327 $\pm$ 996.971 χ^2 /NDF: 17.4/17

All: -337.332 $\pm$ 694.751 χ^2 /NDF: 42.5/38

- sign -2700.026 $\pm$ 968.691 χ^2 /NDF: 12.9/20

asym_atr1_rms vs Slug



Right In: 2899.827 $\pm$ 0.782 χ^2 /NDF: 741818.2/15

Left Out: 2931.285 $\pm$ 1.627 χ^2 /NDF:287.2/1

Right Out: 2878.957 $\pm$ 0.760 χ^2 /NDF: 193282.4/18

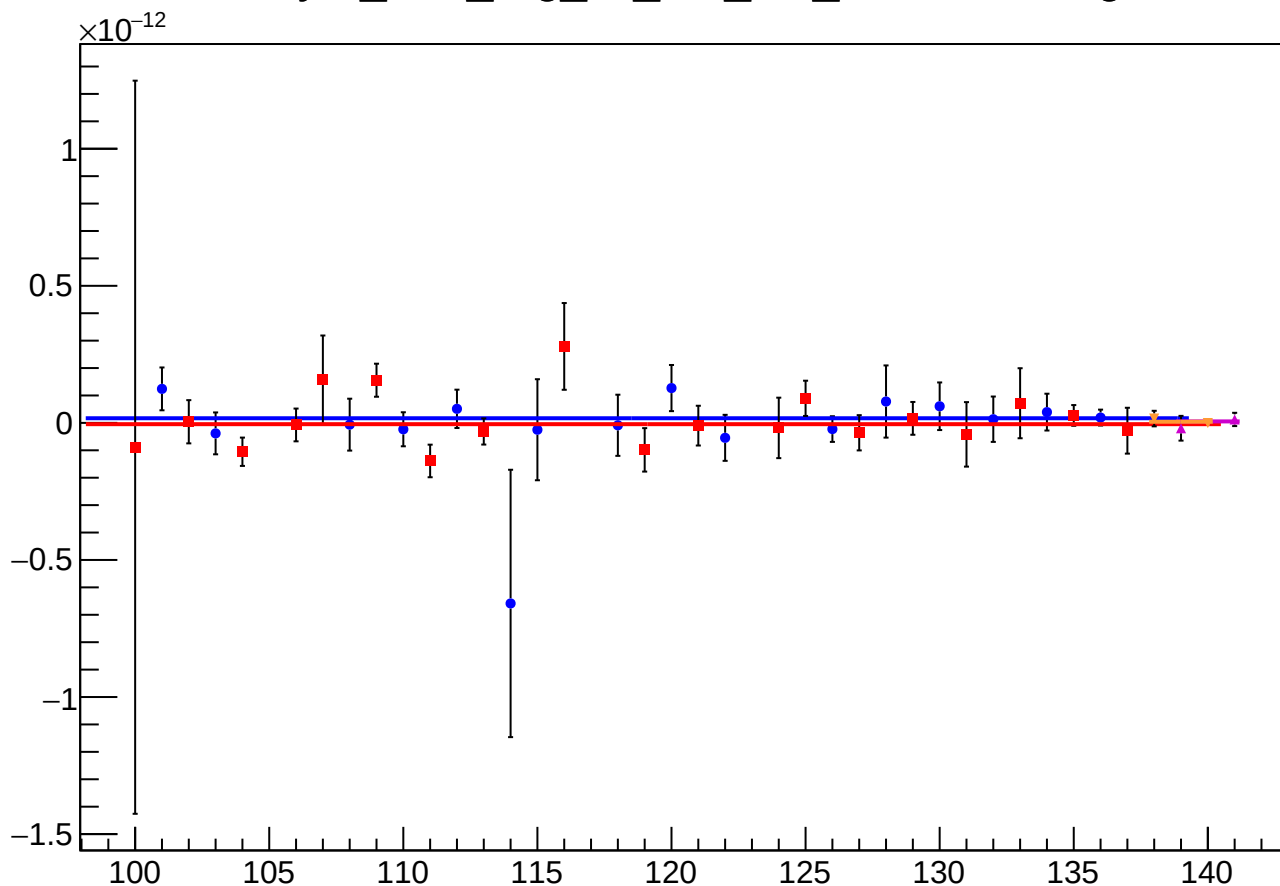
Left In: 2935.087 $\pm$ 1.578 χ^2 /NDF:986.2/1

+ sign 2905.733 $\pm$ 0.705 χ^2 /NDF: 742409.0/17

All: 2897.402 $\pm$ 0.491 χ^2 /NDF: 937976.3/38

- sign 2889.536 $\pm$ 0.685 χ^2 /NDF: 195295.8/20

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

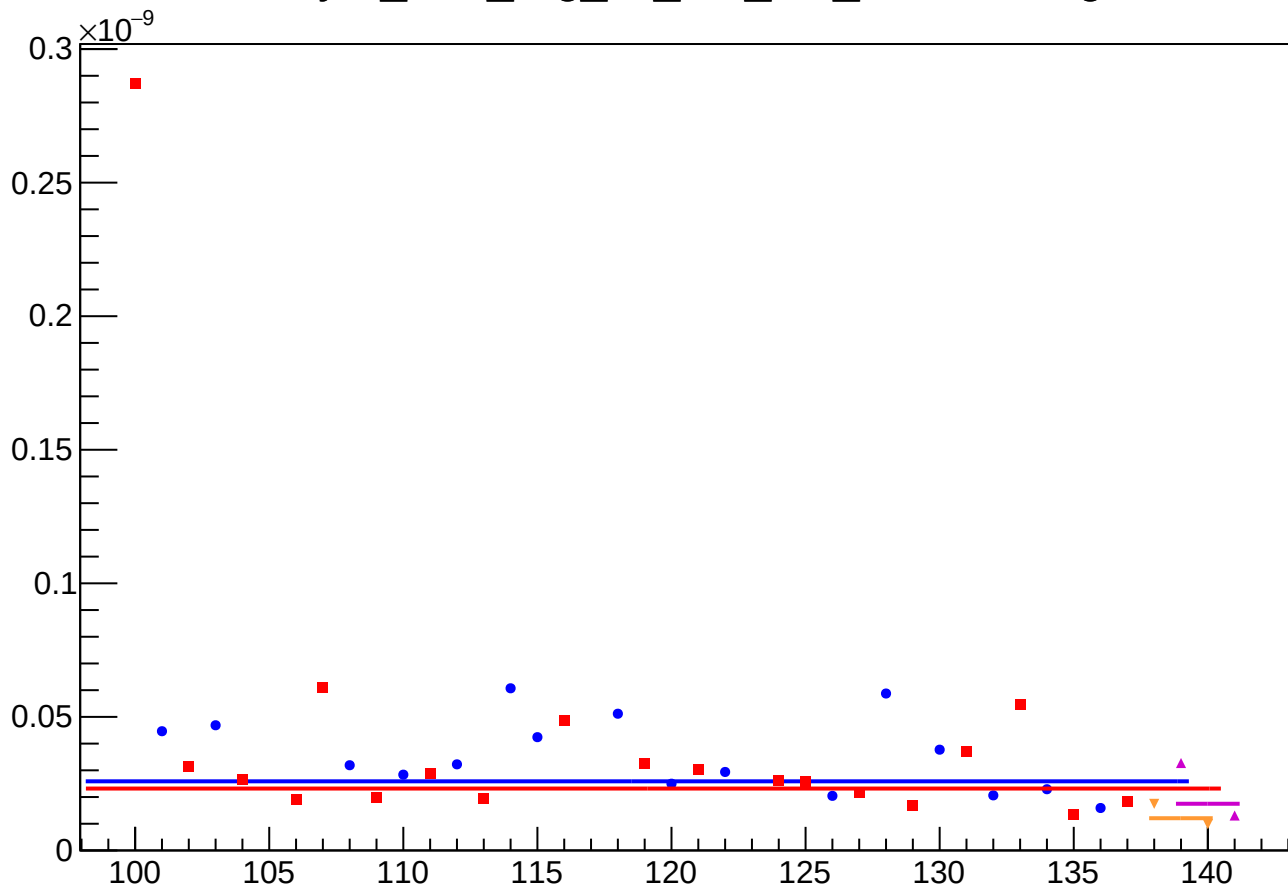
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.1/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/20

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

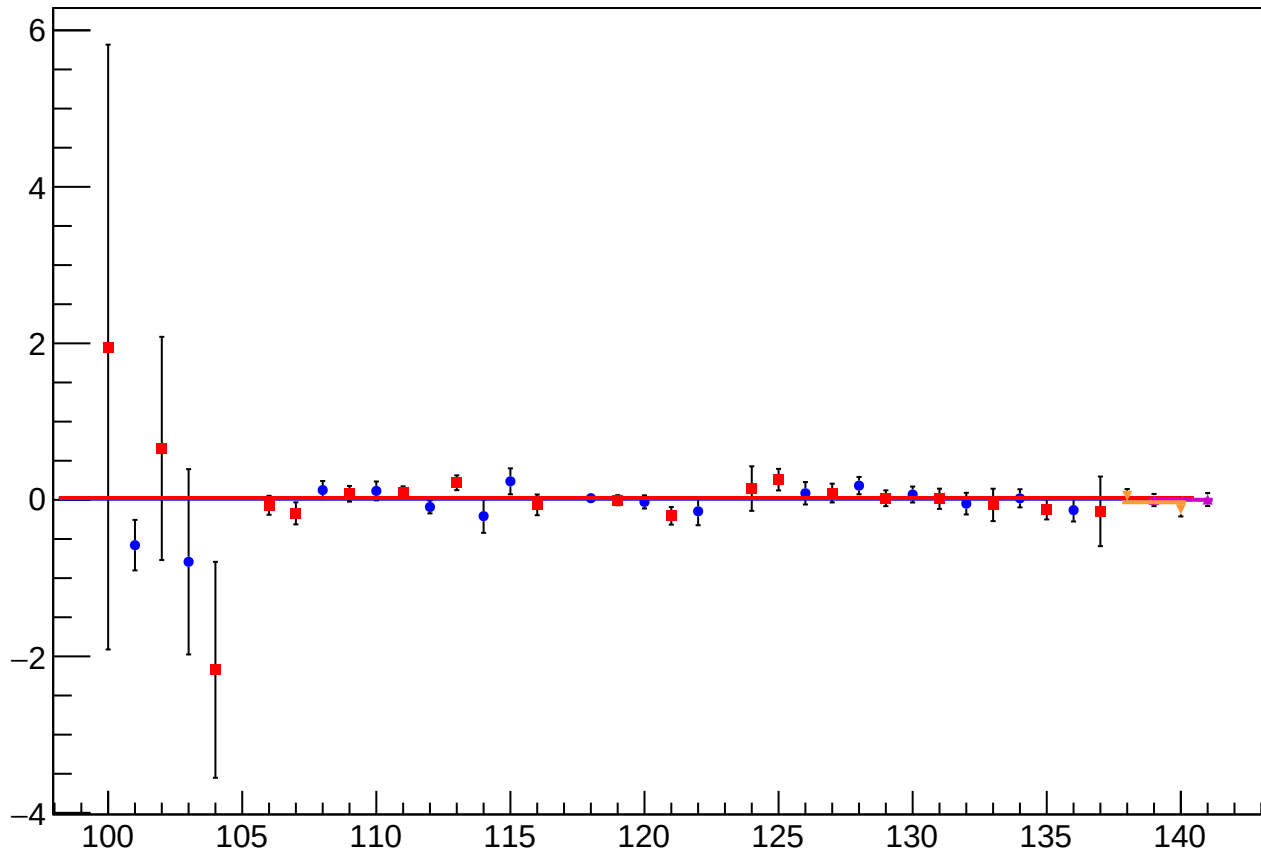
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :294447.9/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1697148.1/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 2827451.2/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1075690.2/20

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

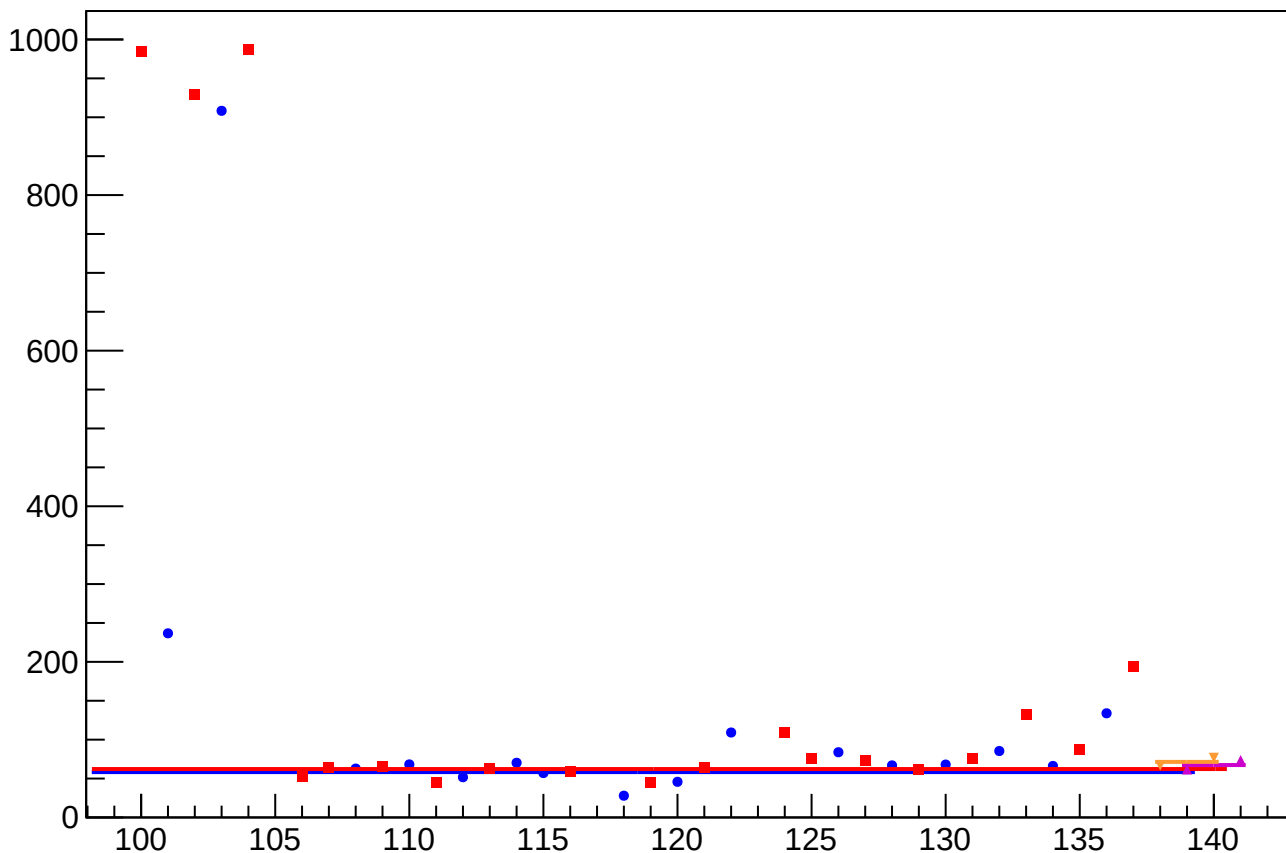
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign 0.008 $\pm$ 0.025 χ^2 /NDF: 17.3/17

All: 0.014 $\pm$ 0.018 χ^2 /NDF: 38.3/38

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF : 3260404.3/15

Left Out: 71.431+/-0.045 χ^2/NDF :12444.4/1

Right Out: 62.235+/-0.020 χ^2/NDF : 2627030.1/18

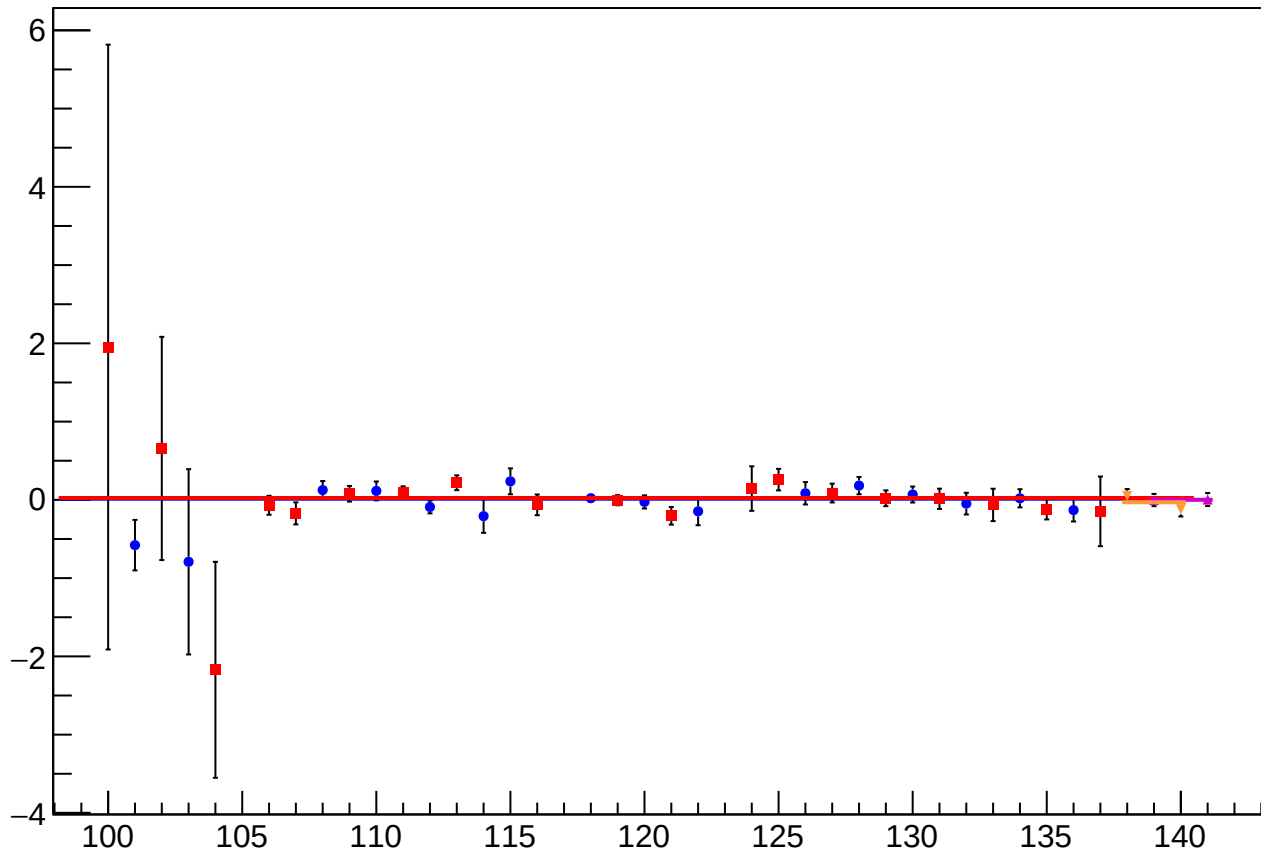
Left In: 67.369+/-0.040 χ^2/NDF :22598.2/1

+ sign 60.427+/-0.018 χ^2/NDF : 3344455.7/17

All: 61.851+/-0.013 χ^2/NDF : 6019491.5/38

- sign 63.237+/-0.018 χ^2/NDF : 2662717.4/20

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 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

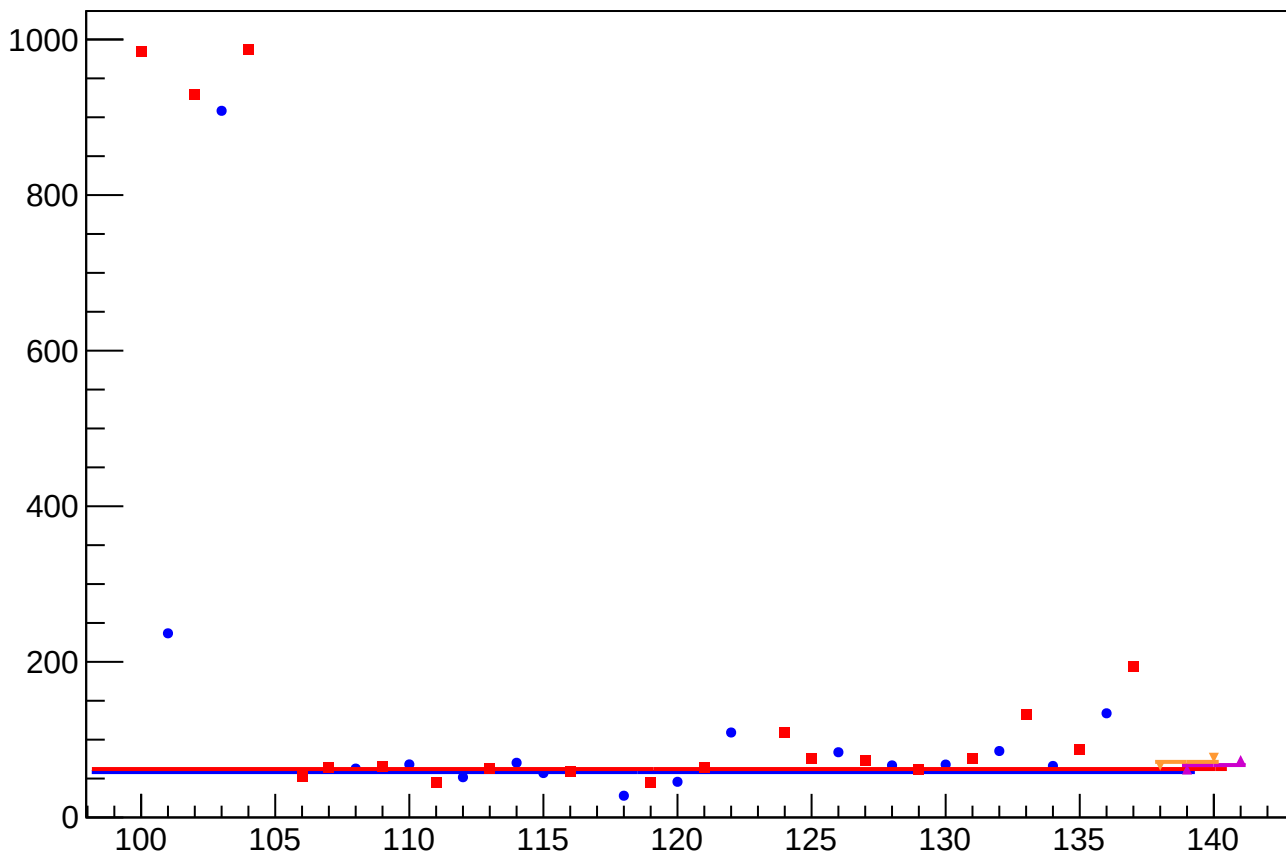
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign 0.008 $\pm$ 0.025 χ^2 /NDF: 17.3/17

All: 0.014 $\pm$ 0.018 χ^2 /NDF: 38.3/38

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

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

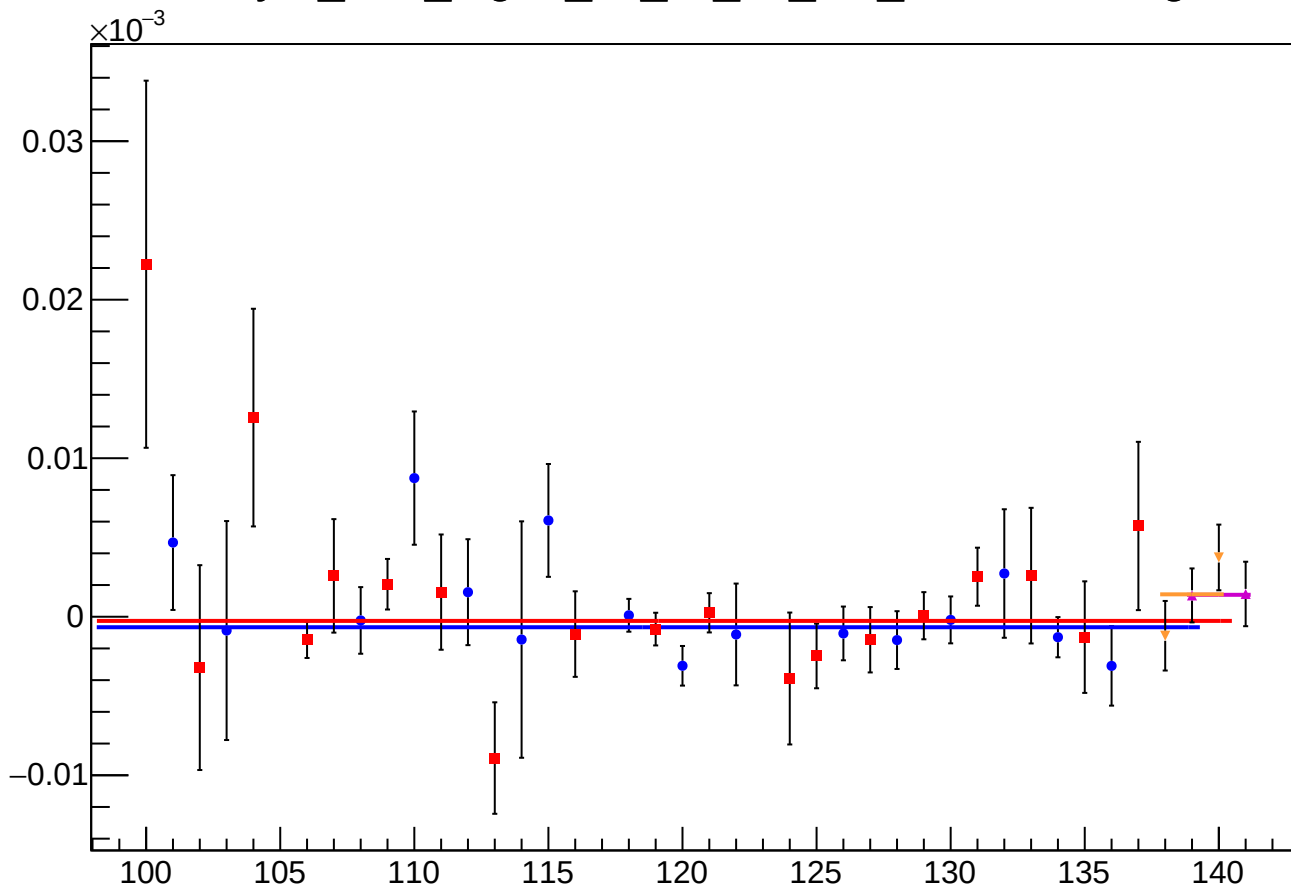
Left In: 67.369 $\pm$ 0.040 χ^2 /NDF:22598.2/1

+ sign 60.427 $\pm$ 0.018 χ^2 /NDF: 3344455.7/17

All: 61.851 $\pm$ 0.013 χ^2 /NDF: 6019491.5/38

- sign 63.237 $\pm$ 0.018 χ^2 /NDF: 2662717.4/20

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2.7/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/18

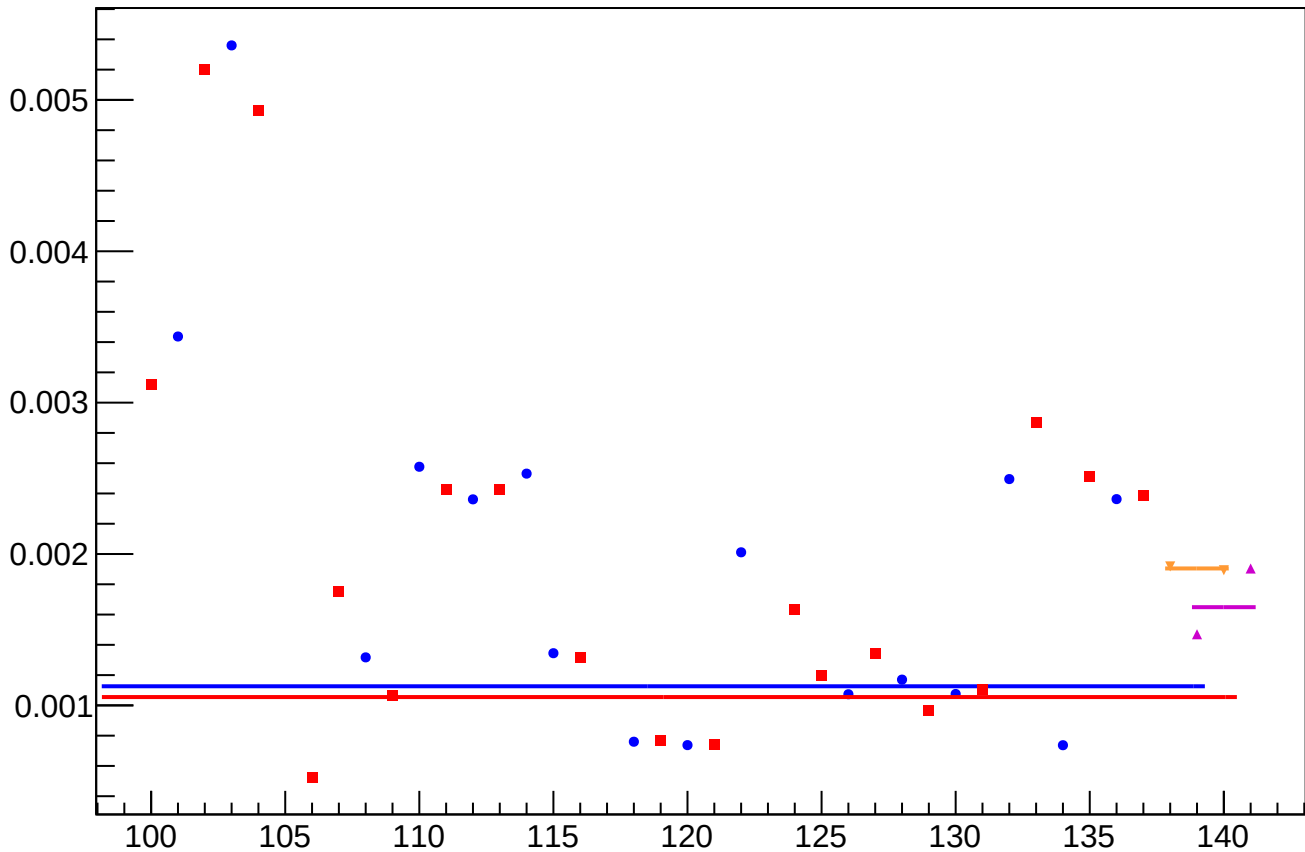
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 48.0/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/20

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF : 140.3/1

Right Out: 0.001+/-0.000 χ^2/NDF : 3848500.2/18

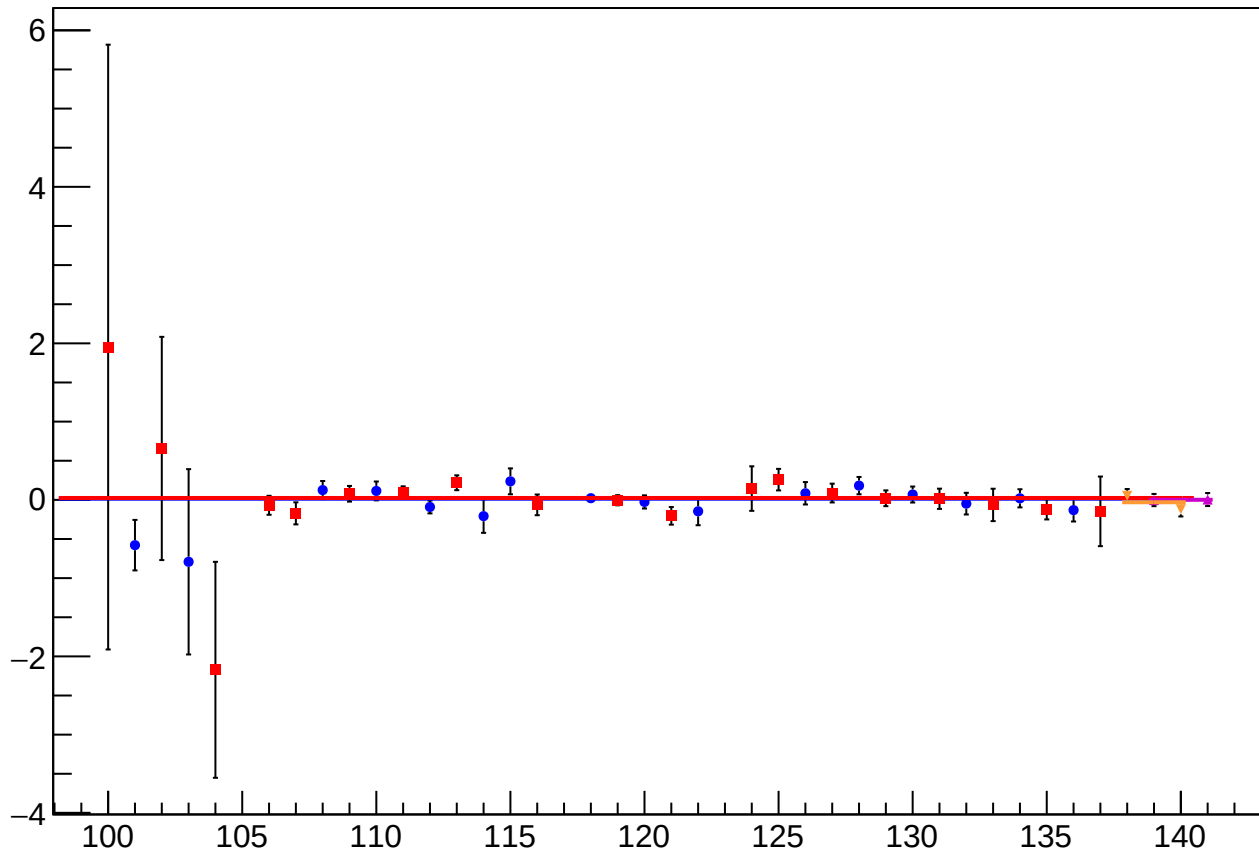
Left In: 0.002+/-0.000 χ^2/NDF : 53649.6/1

+ sign 0.001+/-0.000 χ^2/NDF : 3936236.9/17

All: 0.001+/-0.000 χ^2/NDF : 8236295.1/38

- sign 0.001+/-0.000 χ^2/NDF : 4269611.0/20

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 +/- 0.028 χ^2/NDF : 15.0/15

Left Out: -0.030 +/- 0.063 χ^2/NDF : 1.8/1

Right Out: 0.024 +/- 0.028 χ^2/NDF : 20.8/18

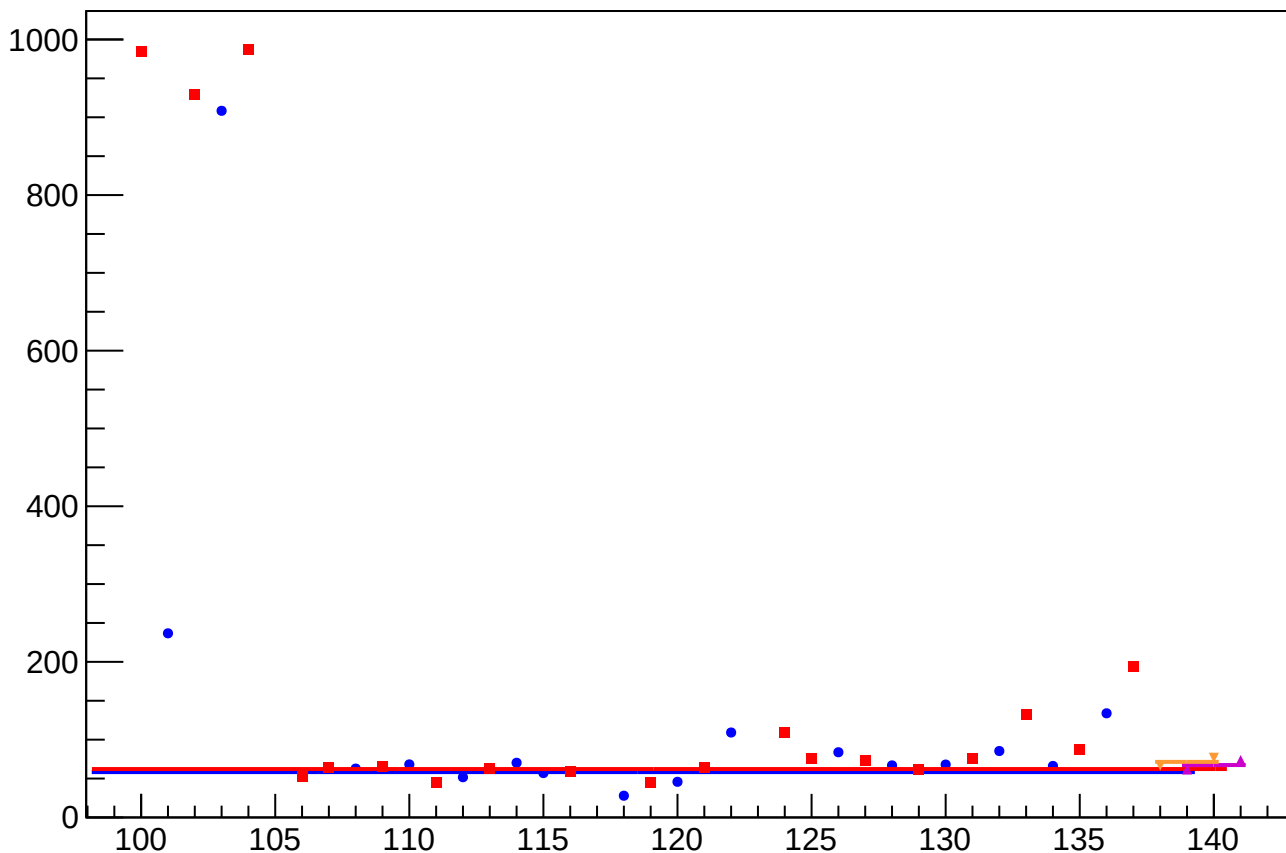
Left In: 0.001 +/- 0.057 χ^2/NDF : 0.0/1

+ sign 0.008 +/- 0.025 χ^2/NDF : 17.3/17

All: 0.014 +/- 0.018 χ^2/NDF : 38.3/38

- sign 0.020 +/- 0.025 χ^2/NDF : 20.9/20

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312 ± 0.020 χ^2/NDF : 3260484.2/15

Left Out: 71.431 ± 0.045 χ^2/NDF : 12447.1/1

Right Out: 62.235 ± 0.020 χ^2/NDF : 2627022.3/18

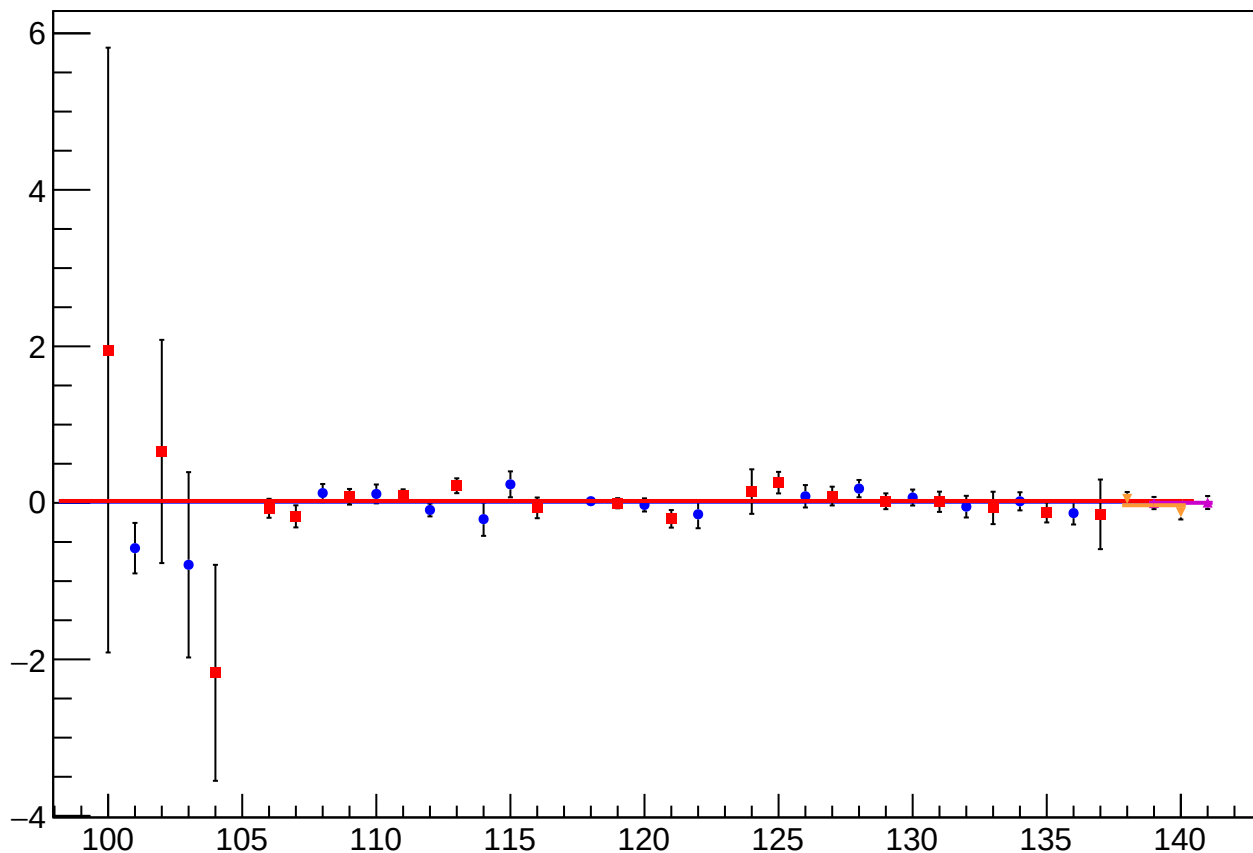
Left In: 67.370 ± 0.040 χ^2/NDF : 22591.2/1

+ sign 60.426 ± 0.018 χ^2/NDF : 3344544.0/17

All: 61.850 ± 0.013 χ^2/NDF : 6019575.0/38

- sign 63.237 ± 0.018 χ^2/NDF : 2662706.2/20

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 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

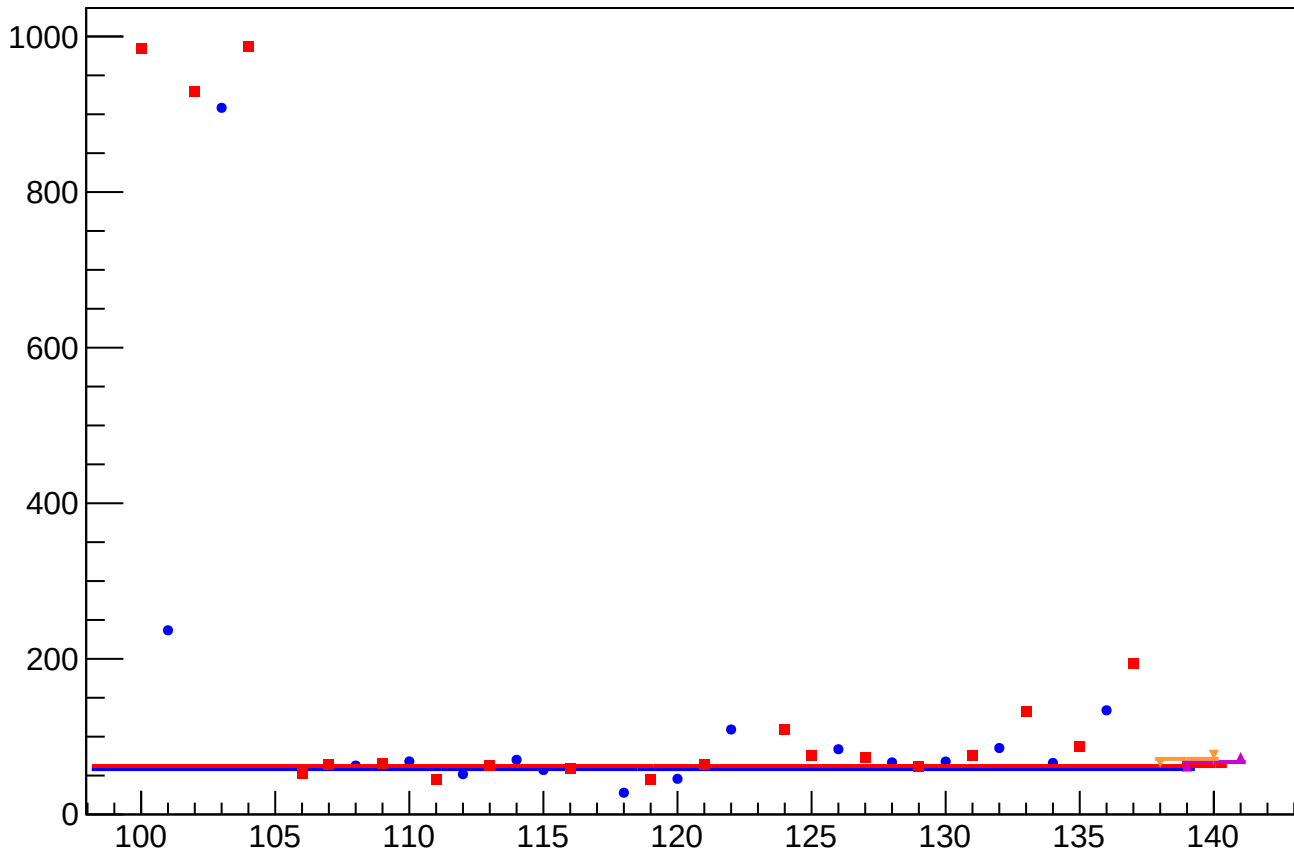
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign 0.008 $\pm$ 0.025 χ^2 /NDF: 17.3/17

All: 0.014 $\pm$ 0.018 χ^2 /NDF: 38.3/38

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

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

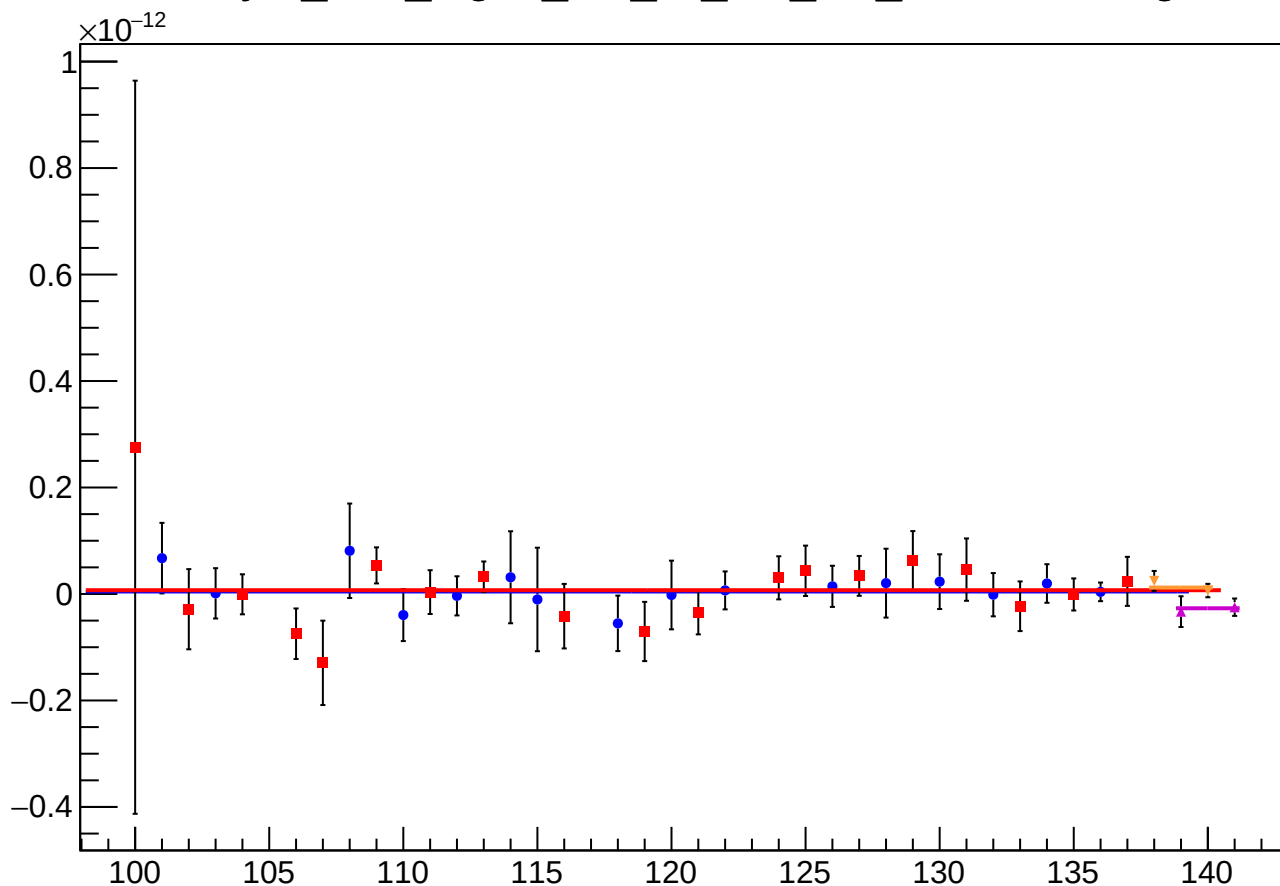
Left In: 67.370 $\pm$ 0.040 χ^2 /NDF: 22591.2/1

+ sign 60.426 $\pm$ 0.018 χ^2 /NDF: 3344544.0/17

All: 61.850 $\pm$ 0.013 χ^2 /NDF: 6019575.0/38

- sign 63.237 $\pm$ 0.018 χ^2 /NDF: 2662706.2/20

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

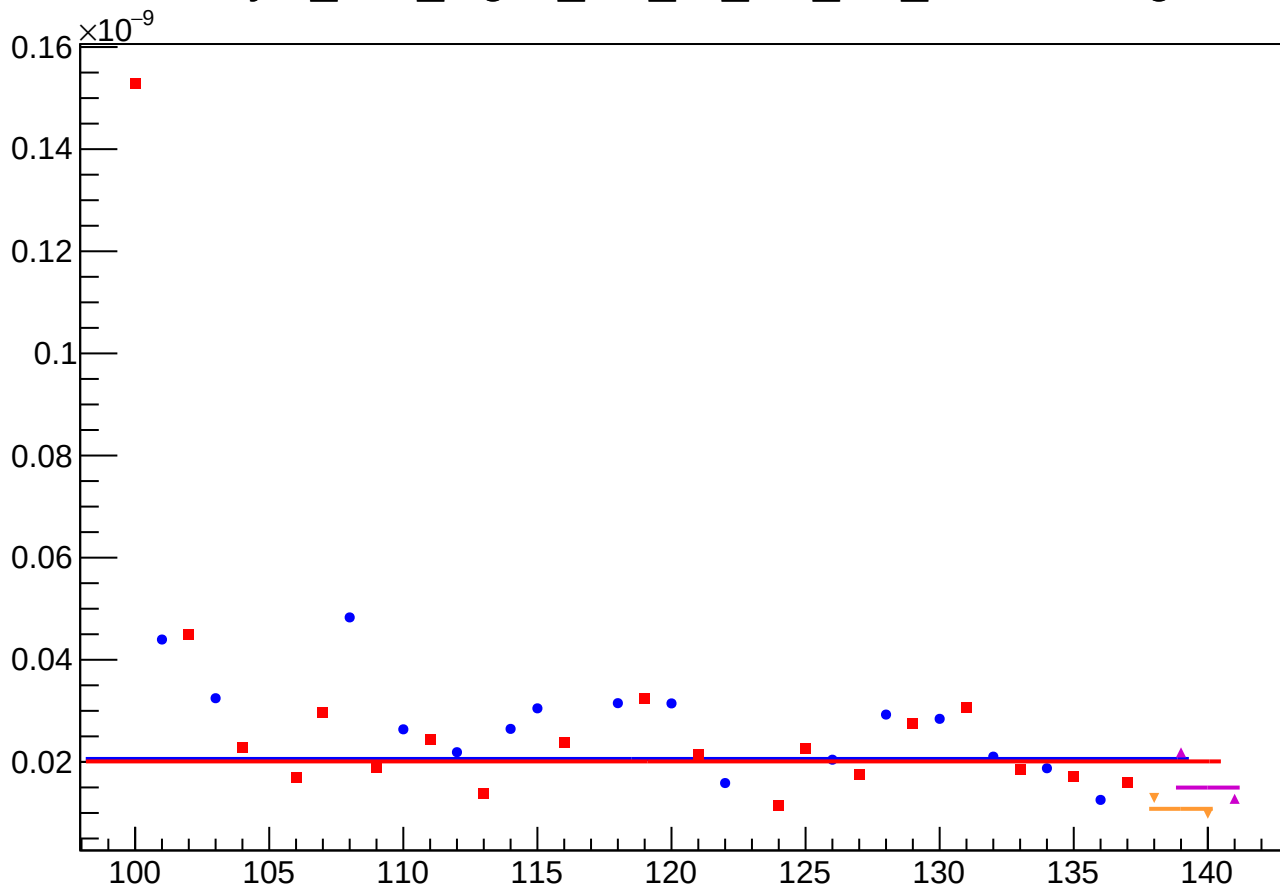
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5.3/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 26.6/38

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 20.0/20

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

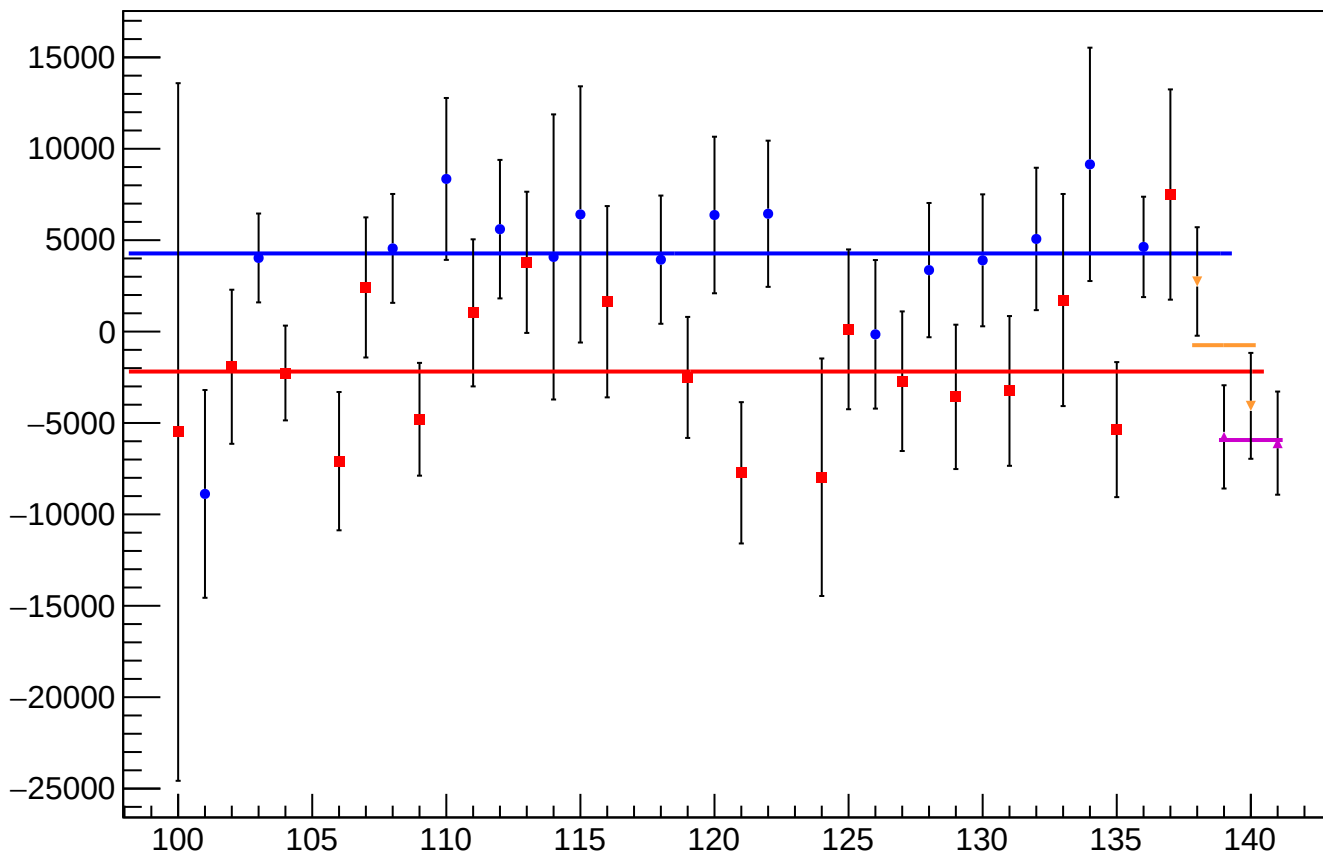
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:149975.5/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2247806.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3492721.5/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1134622.6/20

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF : 8.9/15

Left Out: -743.725+/-2072.922 χ^2/NDF : 2.7/1

Right Out: -2186.264+/-922.104 χ^2/NDF : 14.8/18

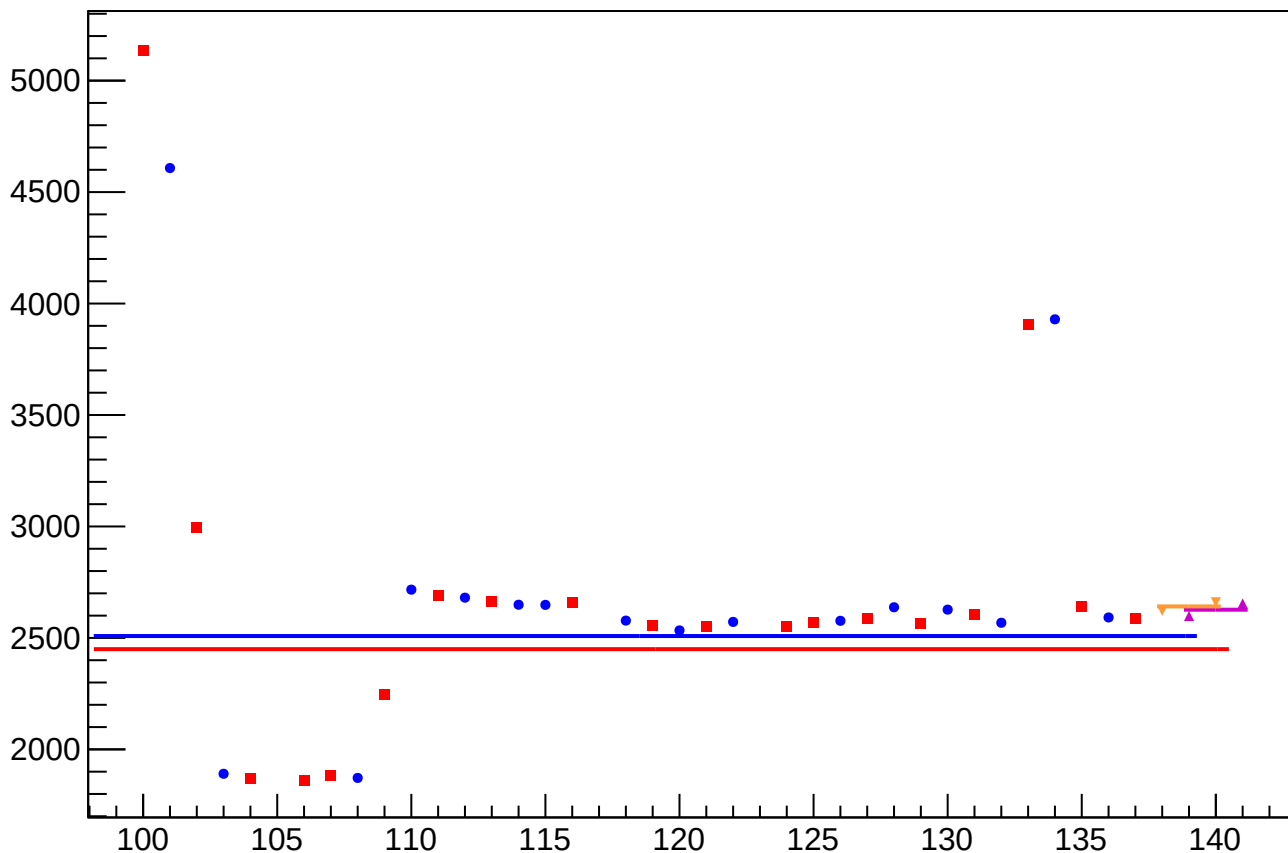
Left In: -5931.468+/-1996.151 χ^2/NDF : 0.0/1

+ sign 3400.413+/-865.094 χ^2/NDF : 16.4/17

All: 175.089+/-601.574 χ^2/NDF : 61.0/38

- sign -2844.904+/-837.105 χ^2/NDF : 17.7/20

reg_asym_atr2_rms vs Slug



Right In: 2508.466 $\pm$ 0.673 χ^2 /NDF: 611589.6/15

Left Out: 2641.306 $\pm$ 1.466 χ^2 /NDF:168.1/1

Right Out: 2449.623 $\pm$ 0.652 χ^2 /NDF: 436901.0/18

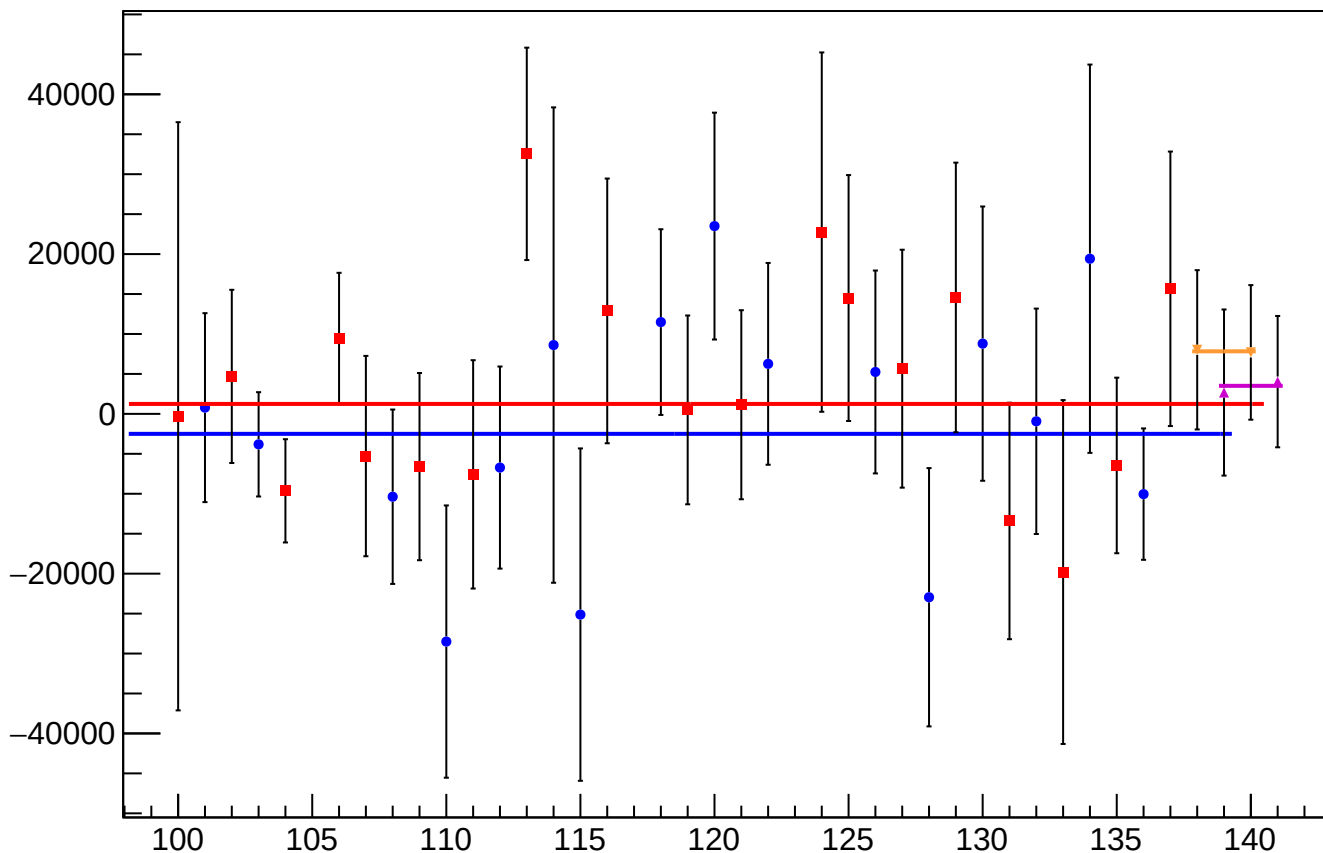
Left In: 2626.598 $\pm$ 1.411 χ^2 /NDF:396.4/1

+ sign 2531.603 $\pm$ 0.612 χ^2 /NDF: 618540.6/17

All: 2505.338 $\pm$ 0.425 χ^2 /NDF: 1072363.6/38

- sign 2480.746 $\pm$ 0.592 χ^2 /NDF: 450253.3/20

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

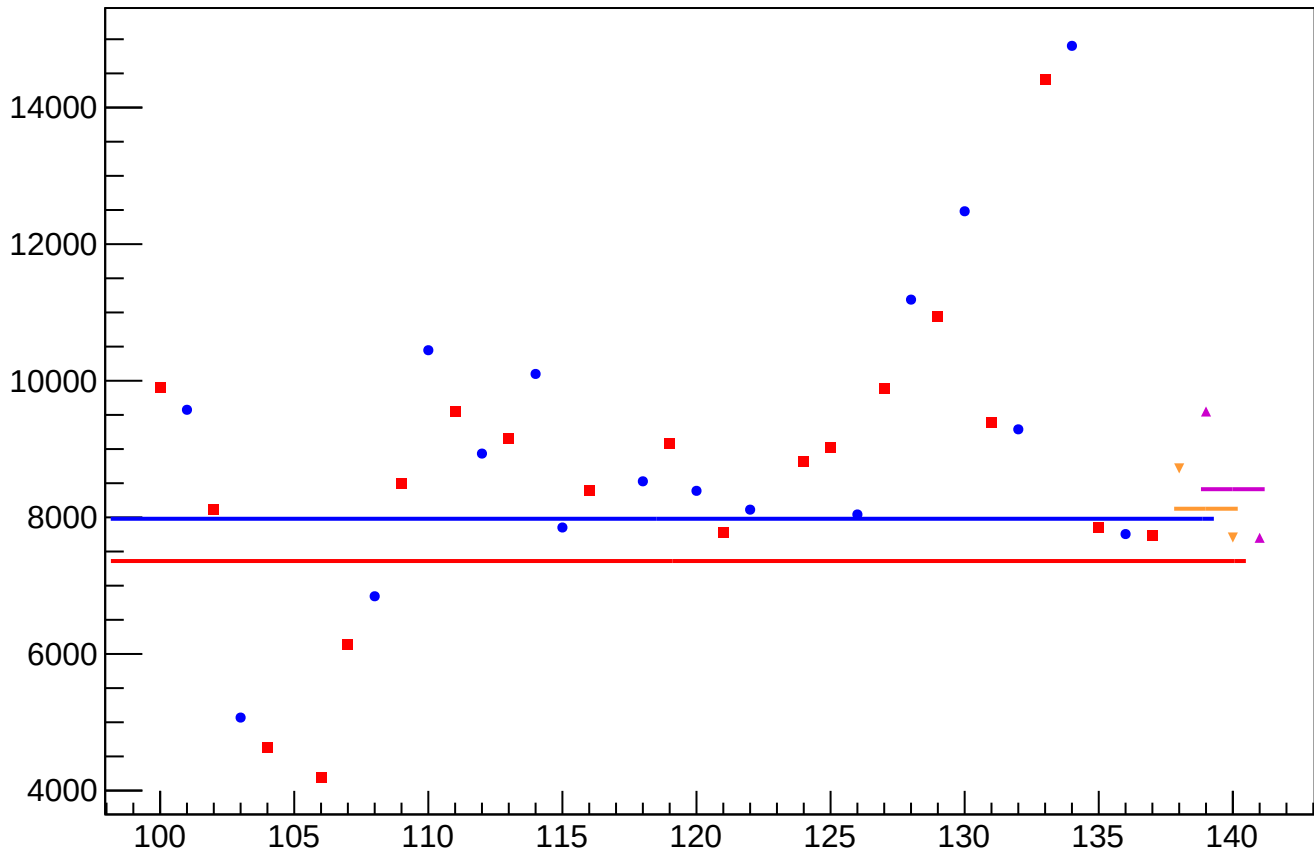
Left In: 3509.518 ± 6447.819 χ^2/NDF : 0.0/1

+ sign -579.074 ± 2774.825 χ^2/NDF : 15.9/17

All: 585.648 ± 1900.688 χ^2/NDF : 32.9/38

- sign 1615.168 ± 2608.808 χ^2/NDF : 16.7/20

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

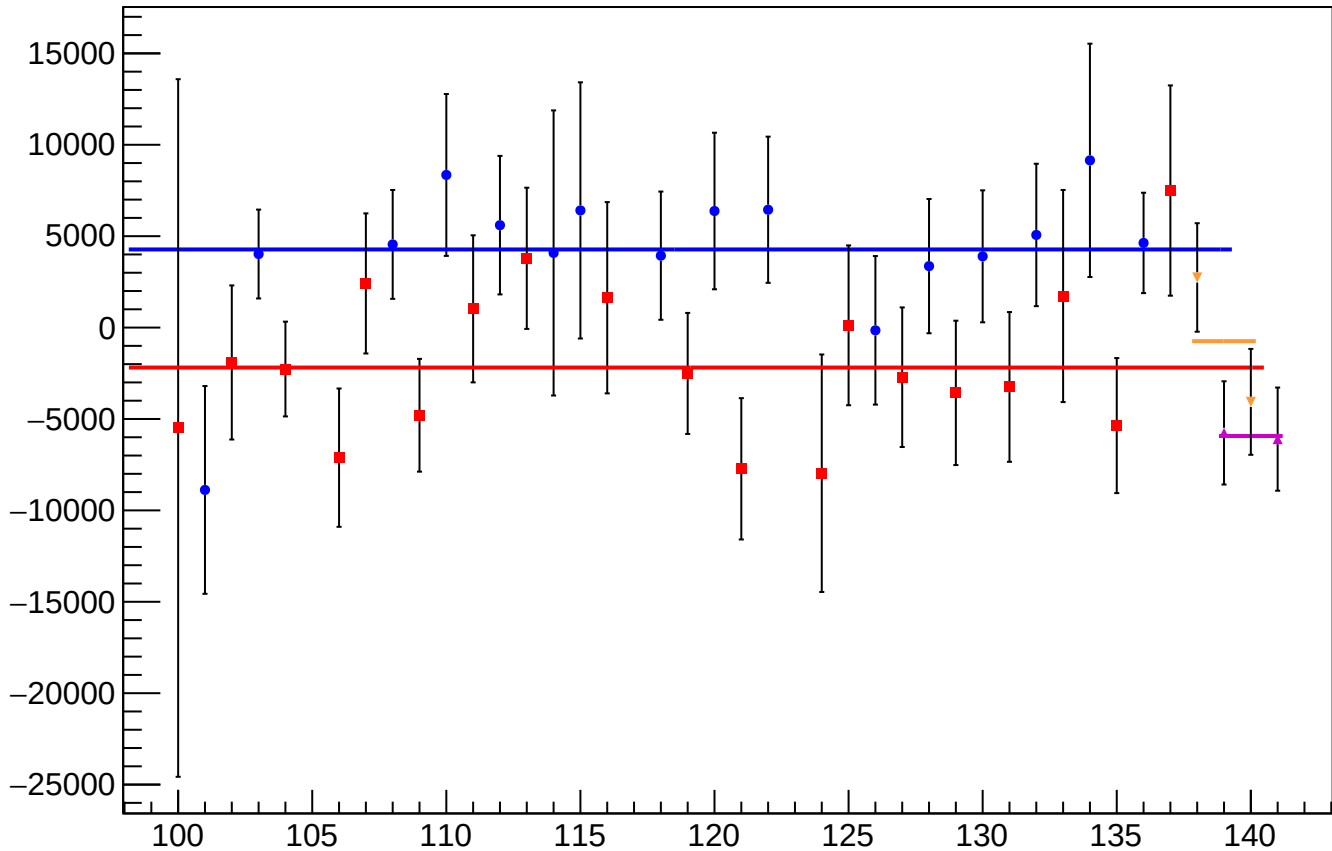
Left In: 8412.399+/-4.559 χ^2/NDF : 38934.3/1

+ sign 8006.823+/-1.962 χ^2/NDF : 935959.0/17

All: 7755.262+/-1.344 χ^2/NDF : 2336364.8/38

- sign 7532.901+/-1.845 χ^2/NDF : 1369438.0/20

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

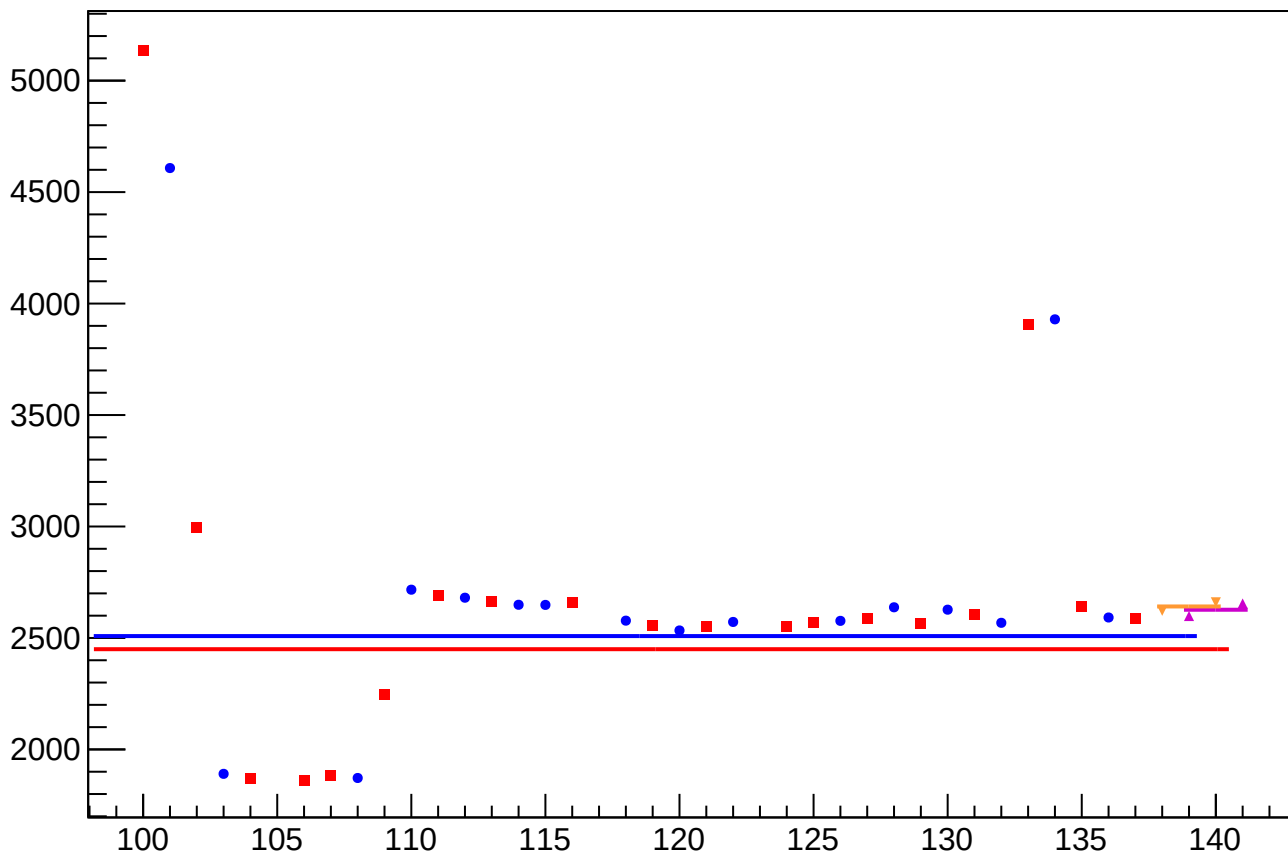
Left In: -5931.730 $\pm$ 1996.151 χ^2 /NDF:0.0/1

+ sign 3400.020 $\pm$ 865.094 χ^2 /NDF: 16.4/17

All: 174.626 $\pm$ 601.576 χ^2 /NDF: 61.1/38

- sign -2845.472 $\pm$ 837.110 χ^2 /NDF: 17.7/20

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

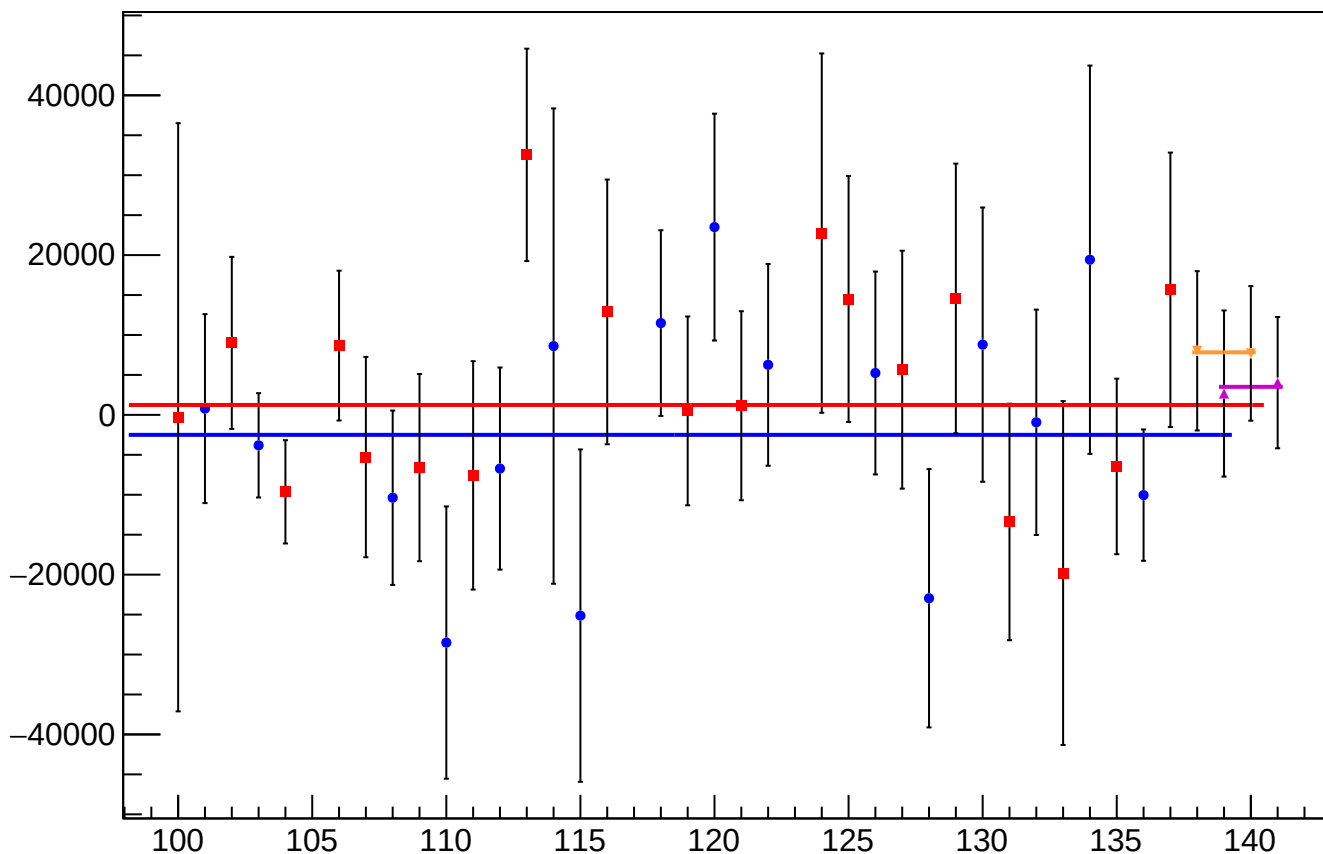
Left In: 2626.598 $\pm$ 1.411 χ^2 /NDF:396.4/1

+ sign 2531.603 $\pm$ 0.612 χ^2 /NDF: 618538.3/17

All: 2505.349 $\pm$ 0.425 χ^2 /NDF: 1072300.5/38

- sign 2480.766 $\pm$ 0.592 χ^2 /NDF: 450195.4/20

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

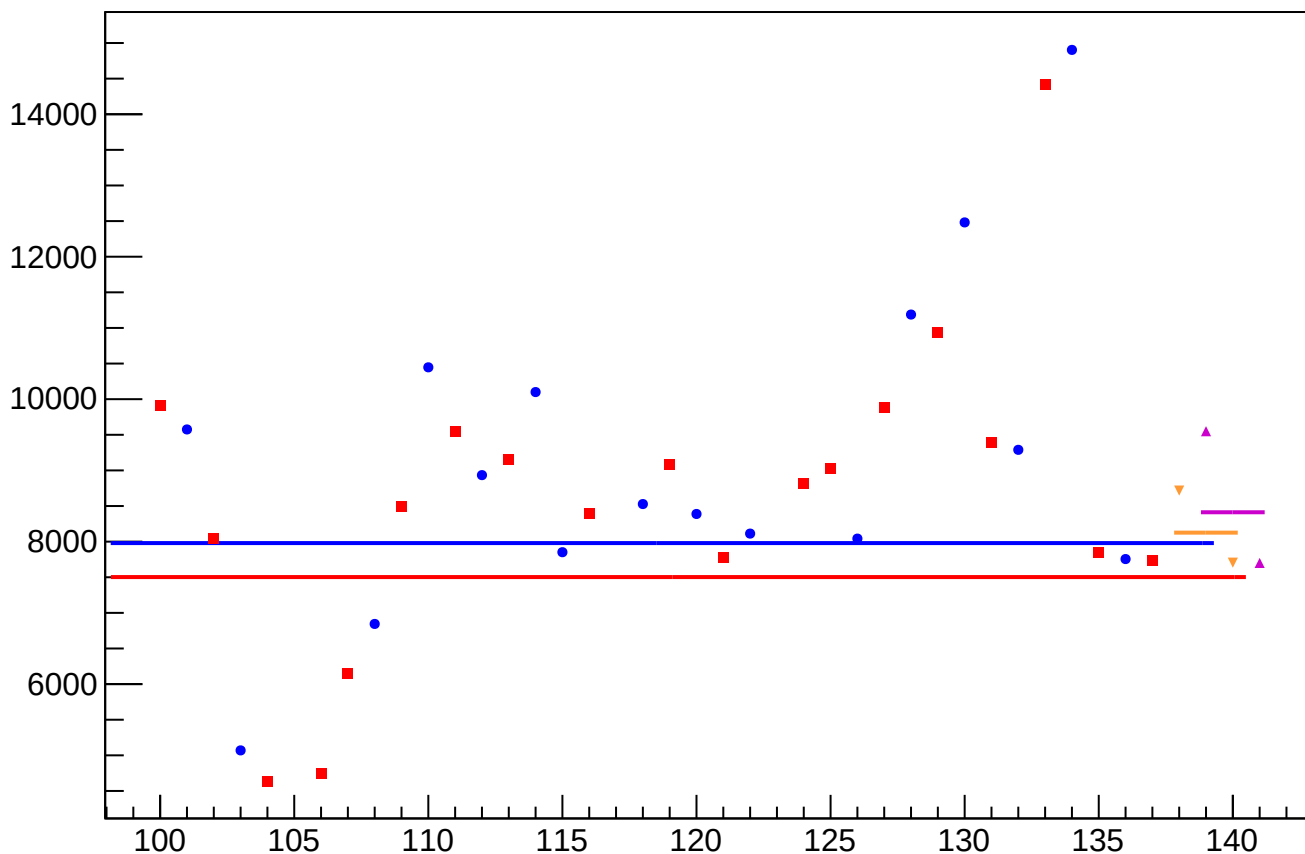
Left In: 3509.465+/-6447.814 χ^2/NDF : 0.0/1

+ sign -578.855+/-2774.889 χ^2/NDF : 15.9/17

All: 575.549+/-1912.612 χ^2/NDF : 32.9/38

- sign 1620.326+/-2639.845 χ^2/NDF : 16.7/20

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF : 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF : 12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF : 1135523.5/18

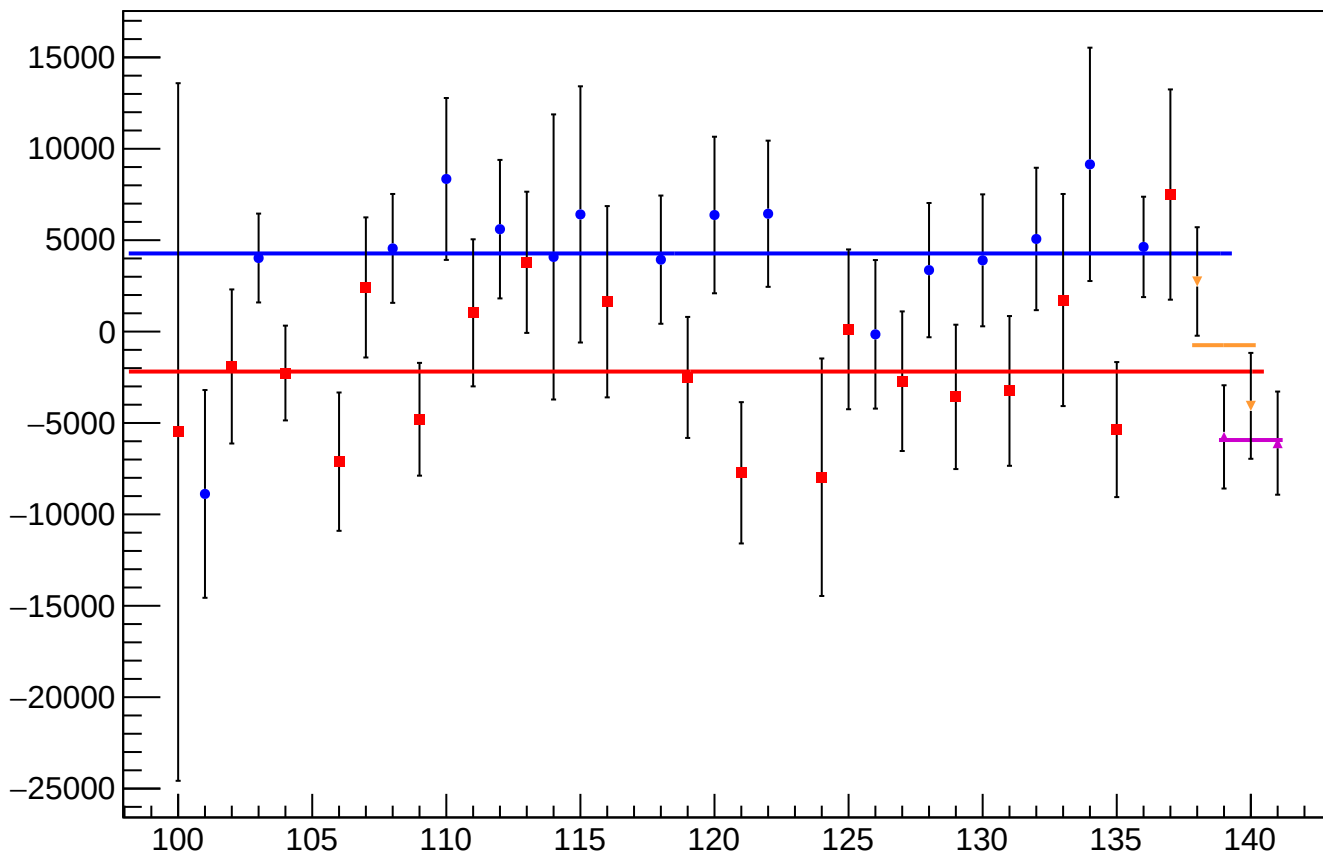
Left In: 8412.392+/-4.559 χ^2/NDF : 38934.8/1

+ sign 8007.084+/-1.962 χ^2/NDF : 935657.0/17

All: 7822.357+/-1.352 χ^2/NDF : 2160138.5/38

- sign 7655.172+/-1.867 χ^2/NDF : 1207596.4/20

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

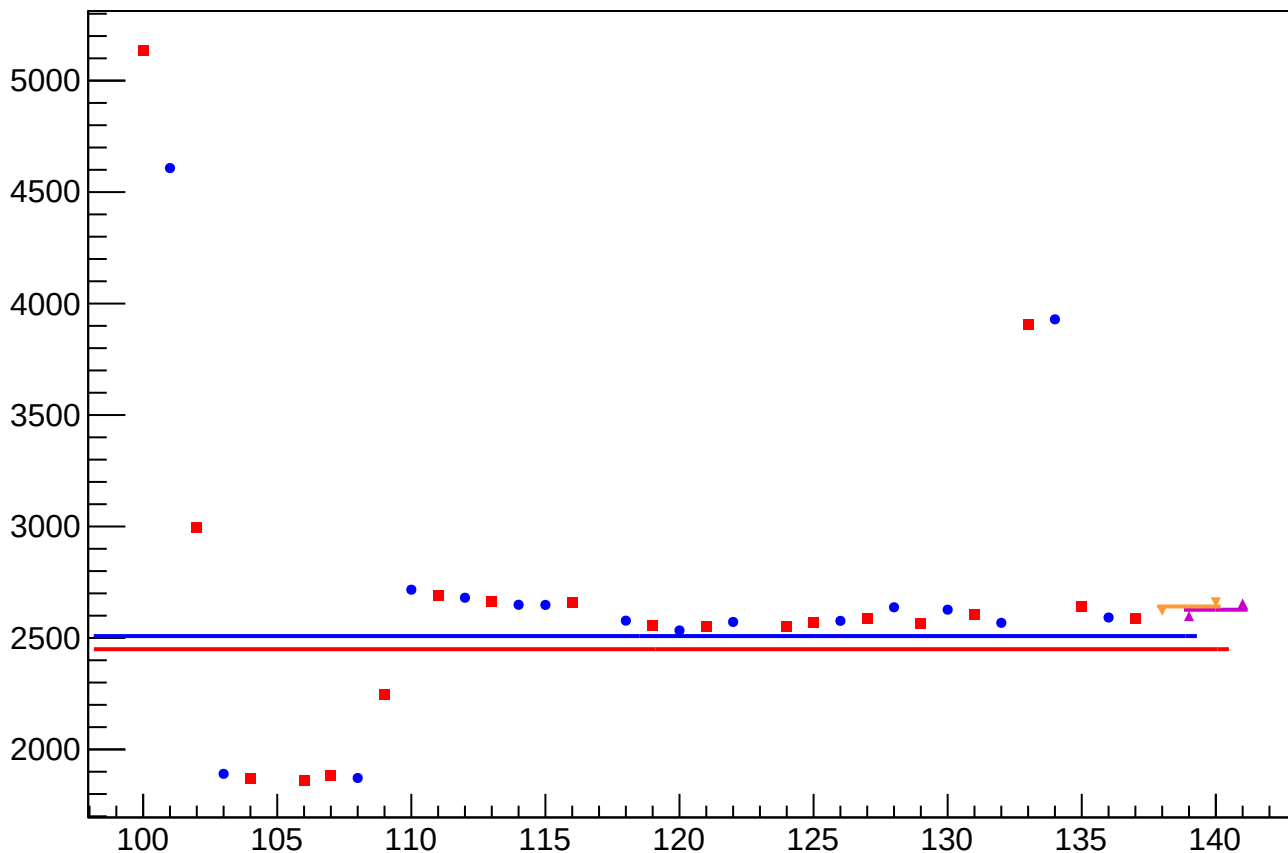
Left In: -5931.730 $\pm$ 1996.151 χ^2 /NDF:0.0/1

+ sign 3400.020 $\pm$ 865.094 χ^2 /NDF: 16.4/17

All: 174.626 $\pm$ 601.576 χ^2 /NDF: 61.1/38

- sign -2845.472 $\pm$ 837.110 χ^2 /NDF: 17.7/20

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF : 611587.4/15

Left Out: 2641.306+/-1.466 χ^2/NDF : 168.1/1

Right Out: 2449.647+/-0.652 χ^2/NDF : 436846.6/18

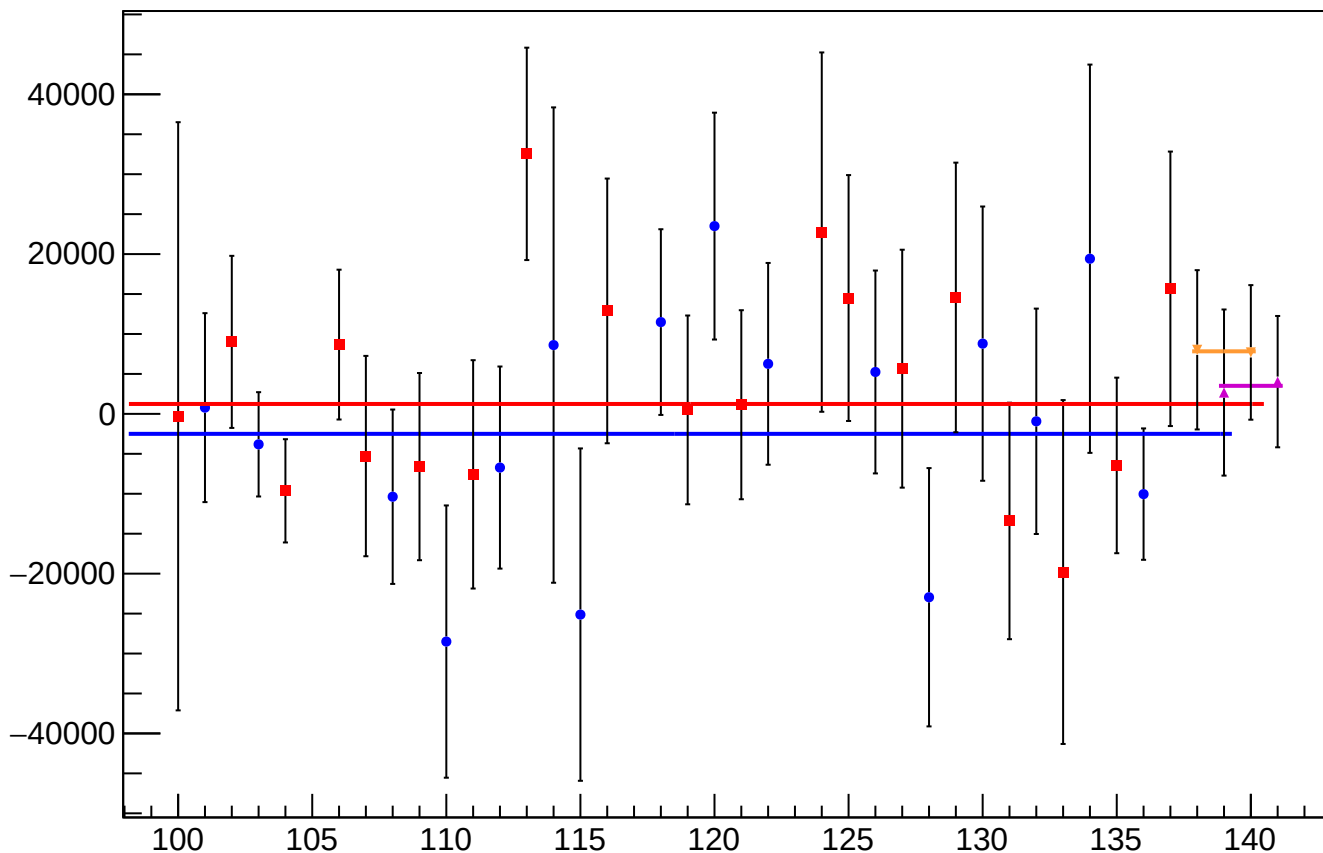
Left In: 2626.598+/-1.411 χ^2/NDF : 396.4/1

+ sign 2531.603+/-0.612 χ^2/NDF : 618538.3/17

All: 2505.349+/-0.425 χ^2/NDF : 1072300.5/38

- sign 2480.766+/-0.592 χ^2/NDF : 450195.4/20

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF : 13.8/15

Left Out: 7829.134+/-6433.726 χ^2/NDF : 0.0/1

Right Out: 1239.896+/-2893.464 χ^2/NDF : 16.6/18

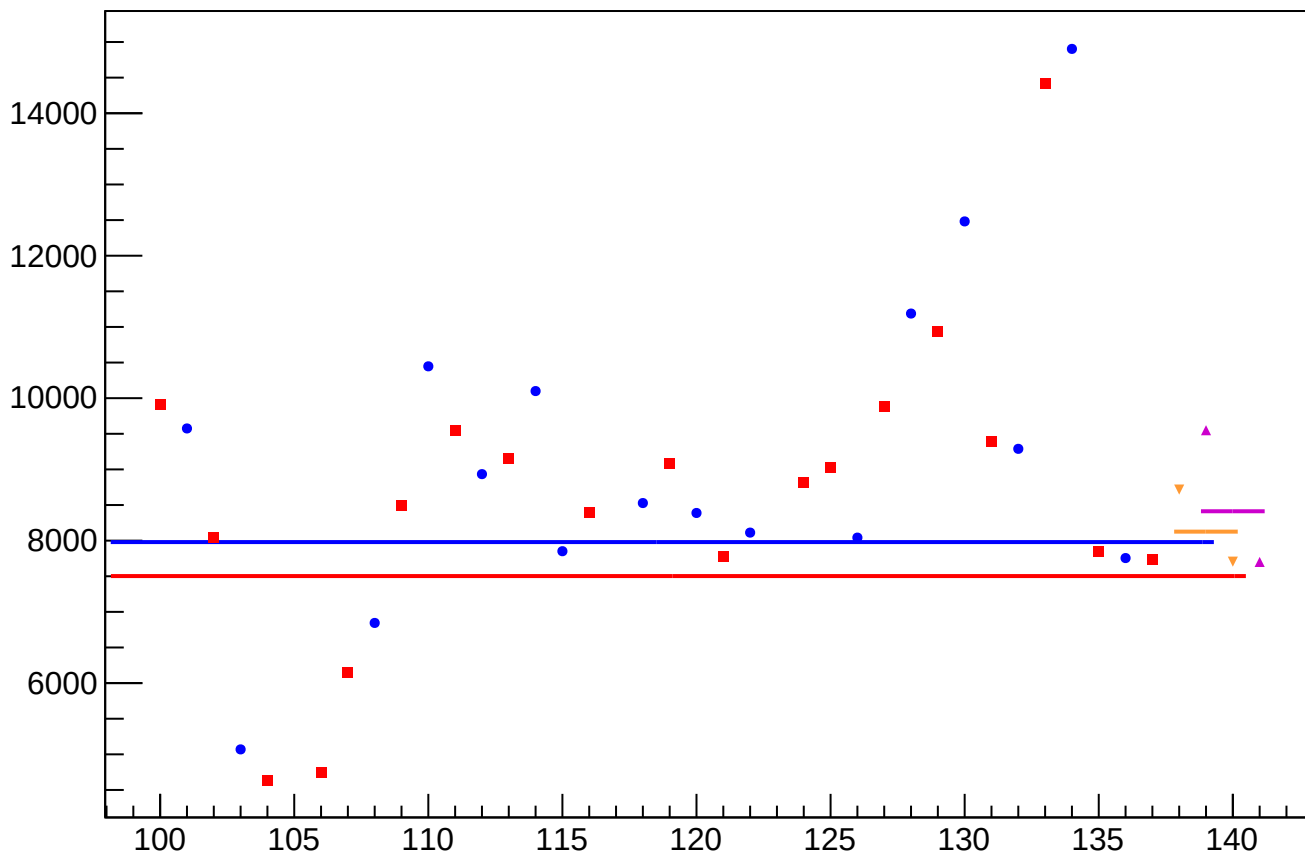
Left In: 3509.465+/-6447.814 χ^2/NDF : 0.0/1

+ sign -578.855+/-2774.889 χ^2/NDF : 15.9/17

All: 575.549+/-1912.612 χ^2/NDF : 32.9/38

- sign 1620.326+/-2639.845 χ^2/NDF : 16.7/20

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF : 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF : 12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF : 1135523.5/18

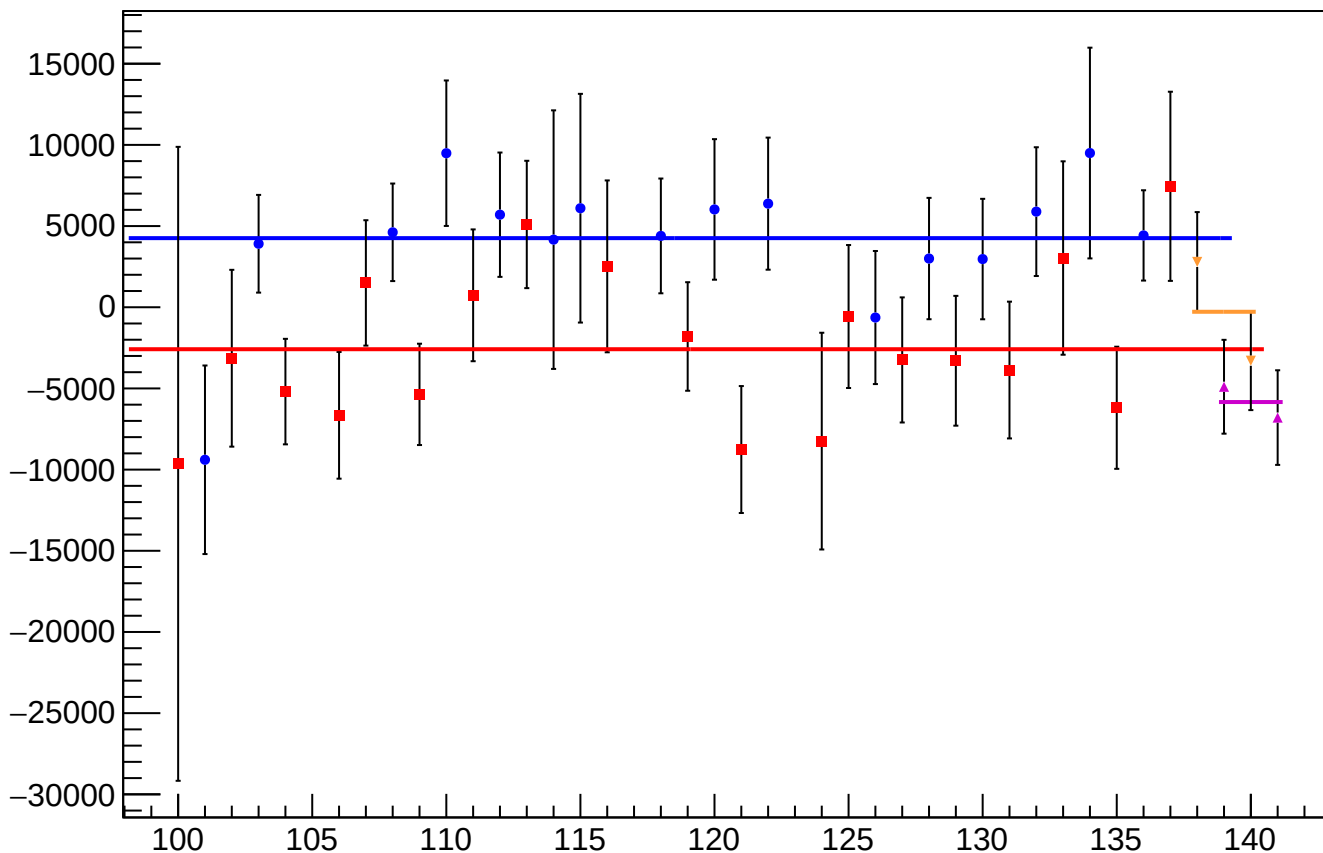
Left In: 8412.392+/-4.559 χ^2/NDF : 38934.8/1

+ sign 8007.084+/-1.962 χ^2/NDF : 935657.0/17

All: 7822.357+/-1.352 χ^2/NDF : 2160138.5/38

- sign 7655.172+/-1.867 χ^2/NDF : 1207596.4/20

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

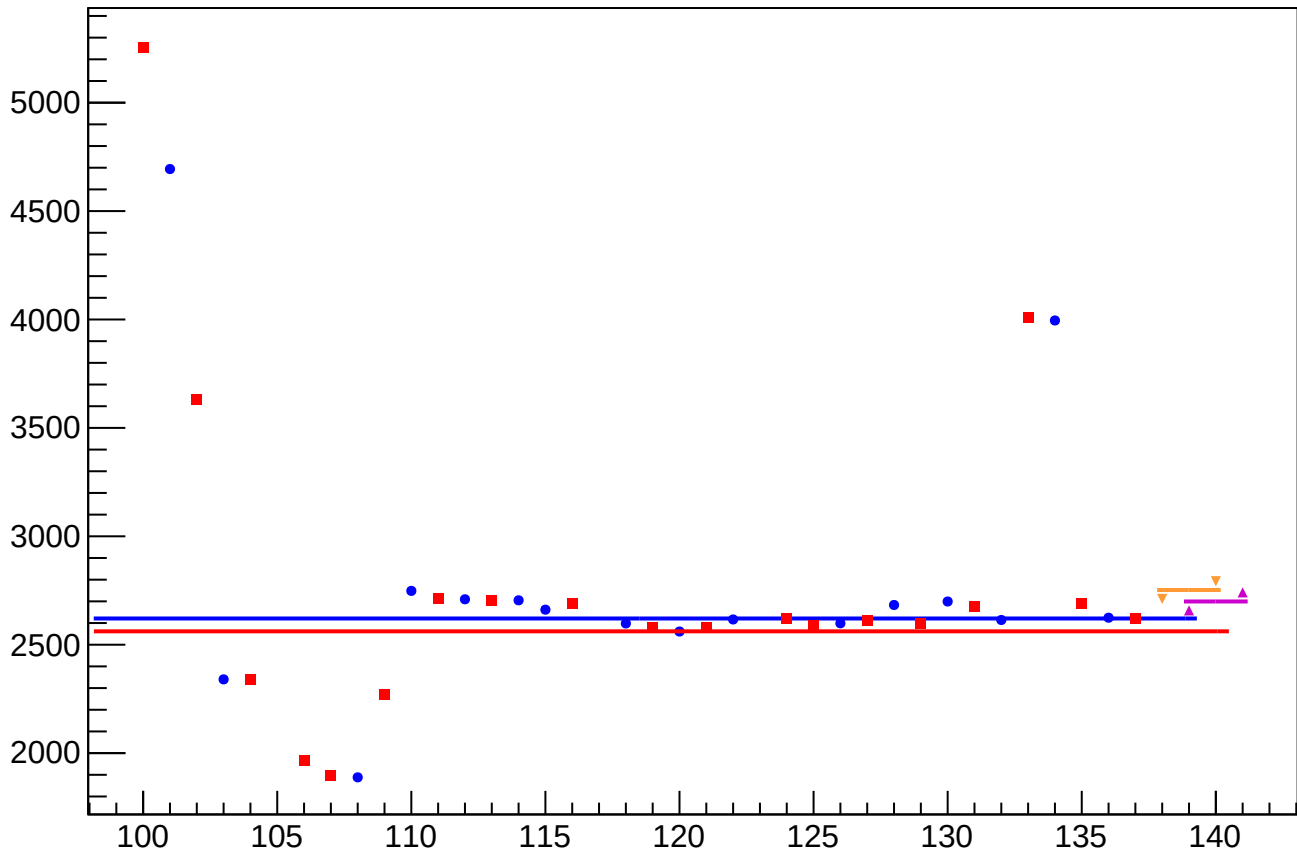
Left In: -5838.229 $\pm$ 2051.781 χ^2 /NDF:0.2/1

+ sign 3469.287 $\pm$ 900.429 χ^2 /NDF: 15.7/17

All: 48.225 $\pm$ 627.153 χ^2 /NDF: 63.6/38

- sign -3175.071 $\pm$ 874.016 χ^2 /NDF: 19.9/20

dit_asym_atr2_rms vs Slug



Right In: 2620.964 $\pm$ 0.700 χ^2 /NDF: 485914.1/15

Left Out: 2752.318 $\pm$ 1.528 χ^2 /NDF: 711.8/1

Right Out: 2561.718 $\pm$ 0.683 χ^2 /NDF: 378259.5/18

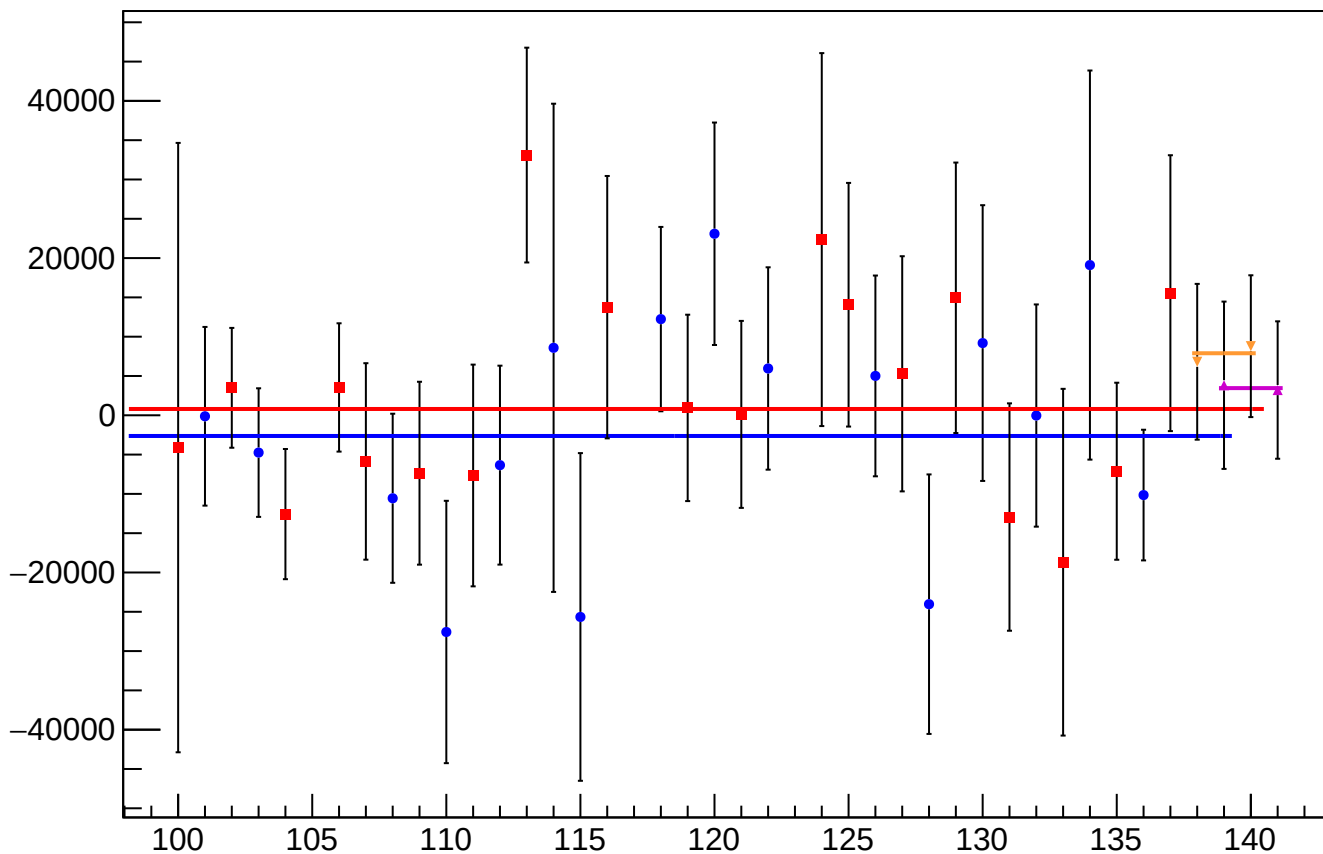
Left In: 2699.436 $\pm$ 1.451 χ^2 /NDF: 821.5/1

+ sign 2643.776 $\pm$ 0.637 χ^2 /NDF: 492733.9/17

All: 2614.367 $\pm$ 0.443 χ^2 /NDF: 883333.6/38

- sign 2586.684 $\pm$ 0.618 χ^2 /NDF: 386458.0/20

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

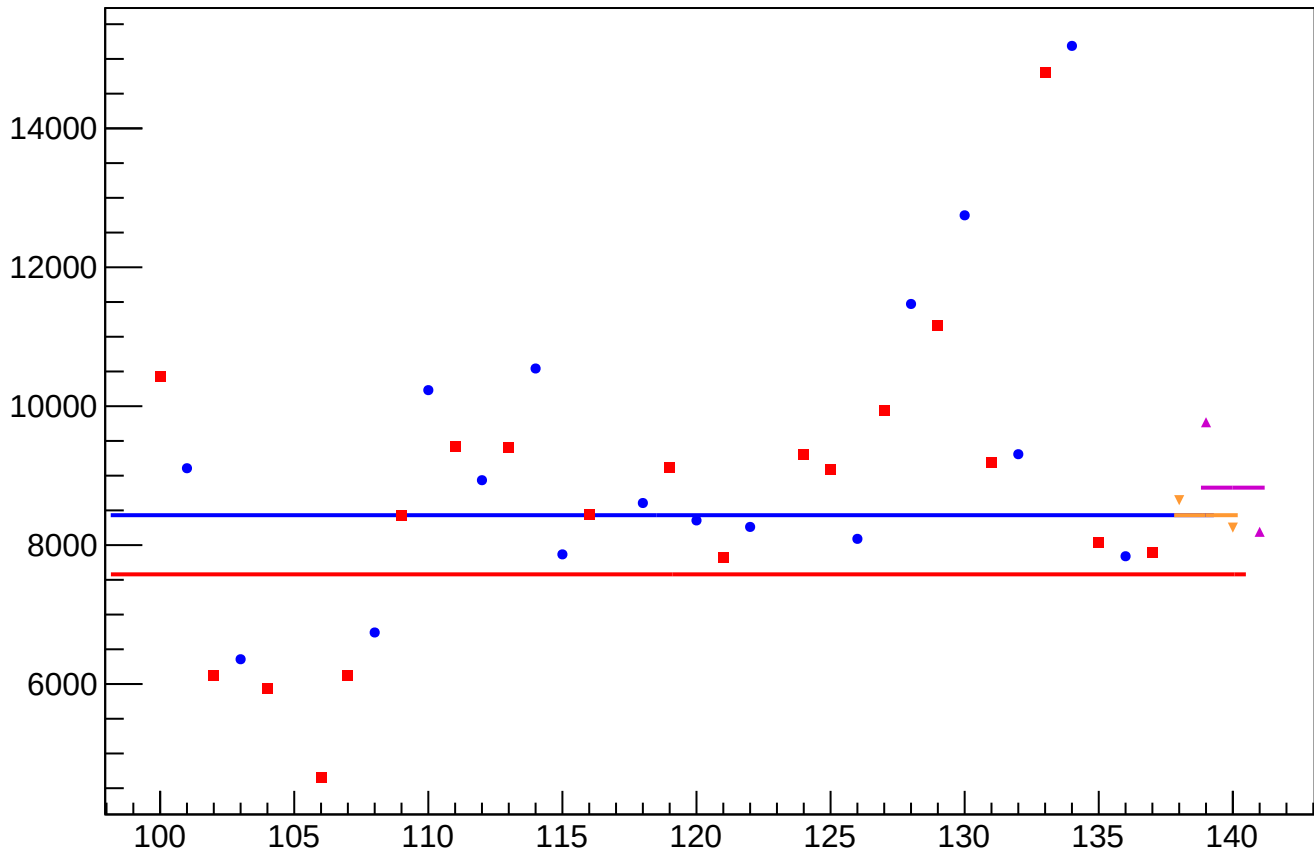
Left In: 3457.816+/-6755.386 χ^2/NDF : 0.0/1

+ sign -651.648+/-2893.647 χ^2/NDF : 15.8/17

All: 362.744+/-1951.805 χ^2/NDF : 31.6/38

- sign 1209.515+/-2643.783 χ^2/NDF : 15.5/20

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

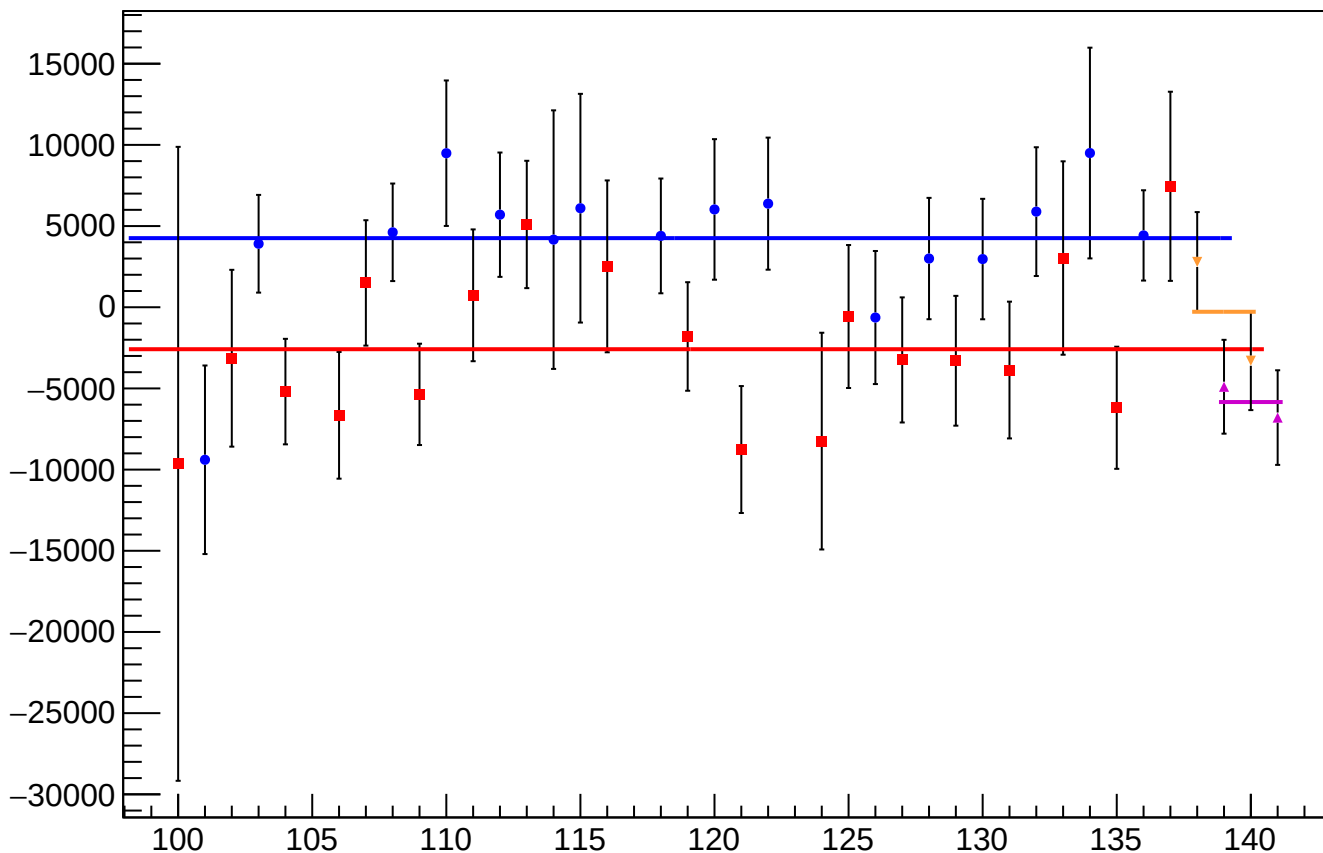
Left In: 8827.220 $\pm$ 4.777 χ^2 /NDF: 26236.0/1

+ sign 8430.790 $\pm$ 2.046 χ^2 /NDF: 582033.7/17

All: 8070.789 $\pm$ 1.380 χ^2 /NDF: 1697007.8/38

- sign 7770.275 $\pm$ 1.869 χ^2 /NDF: 1058177.1/20

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

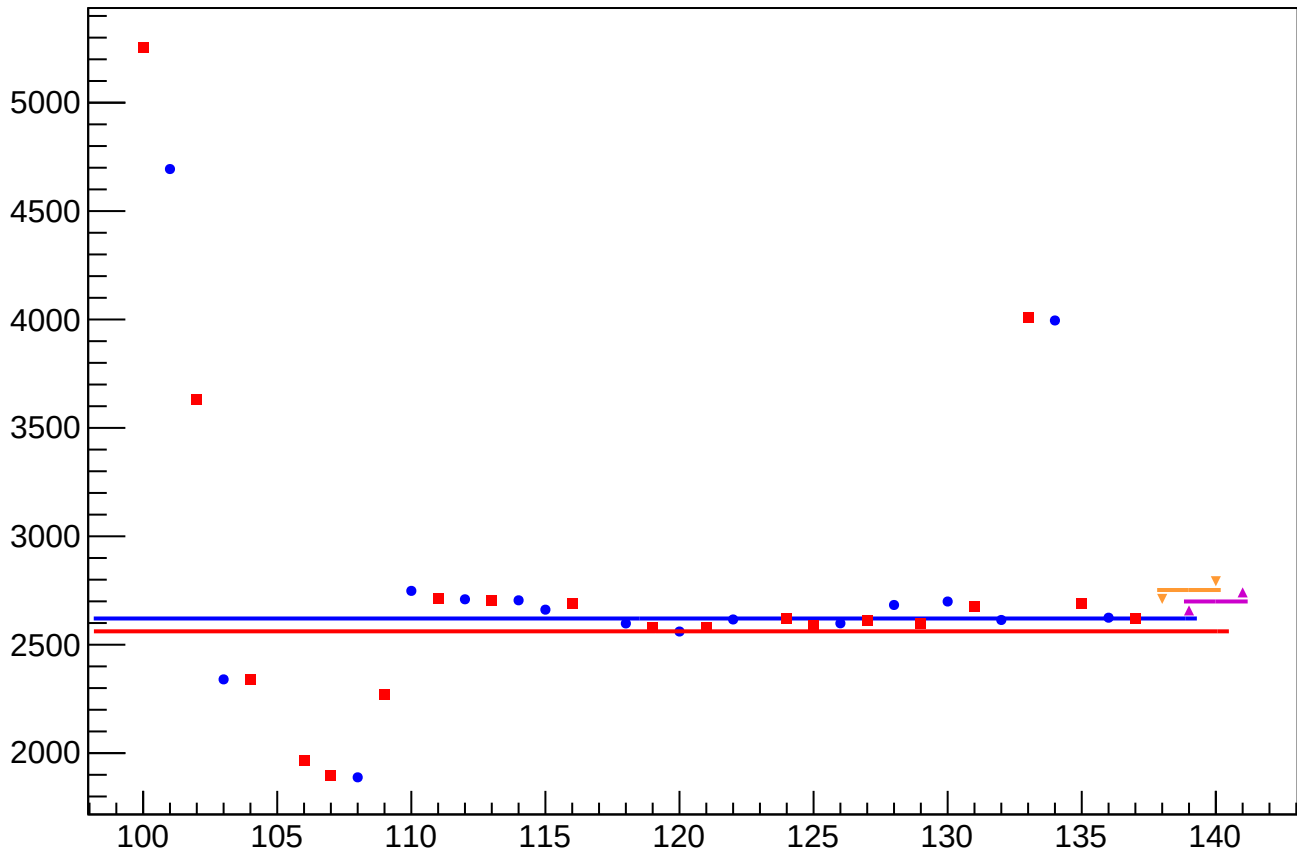
Left In: -5838.190 $\pm$ 2051.781 χ^2 /NDF: 0.2/1

+ sign 3469.291 $\pm$ 900.429 χ^2 /NDF: 15.7/17

All: 48.228 $\pm$ 627.153 χ^2 /NDF: 63.6/38

- sign -3175.072 $\pm$ 874.016 χ^2 /NDF: 19.9/20

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF : 485914.3/15

Left Out: 2752.318+/-1.528 χ^2/NDF : 711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF : 378258.9/18

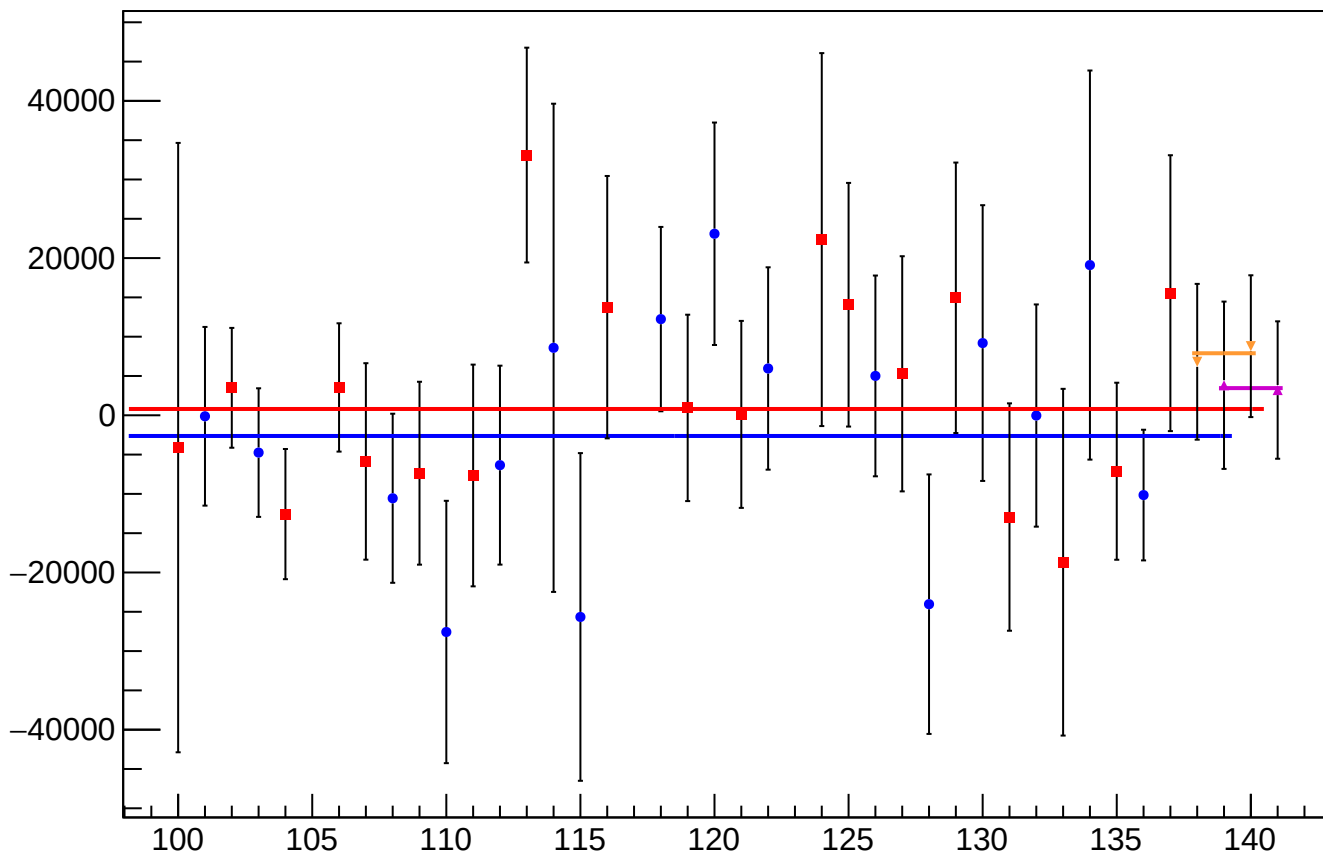
Left In: 2699.437+/-1.451 χ^2/NDF : 821.4/1

+ sign 2643.775+/-0.637 χ^2/NDF : 492734.2/17

All: 2614.367+/-0.443 χ^2/NDF : 883333.3/38

- sign 2586.684+/-0.618 χ^2/NDF : 386457.5/20

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

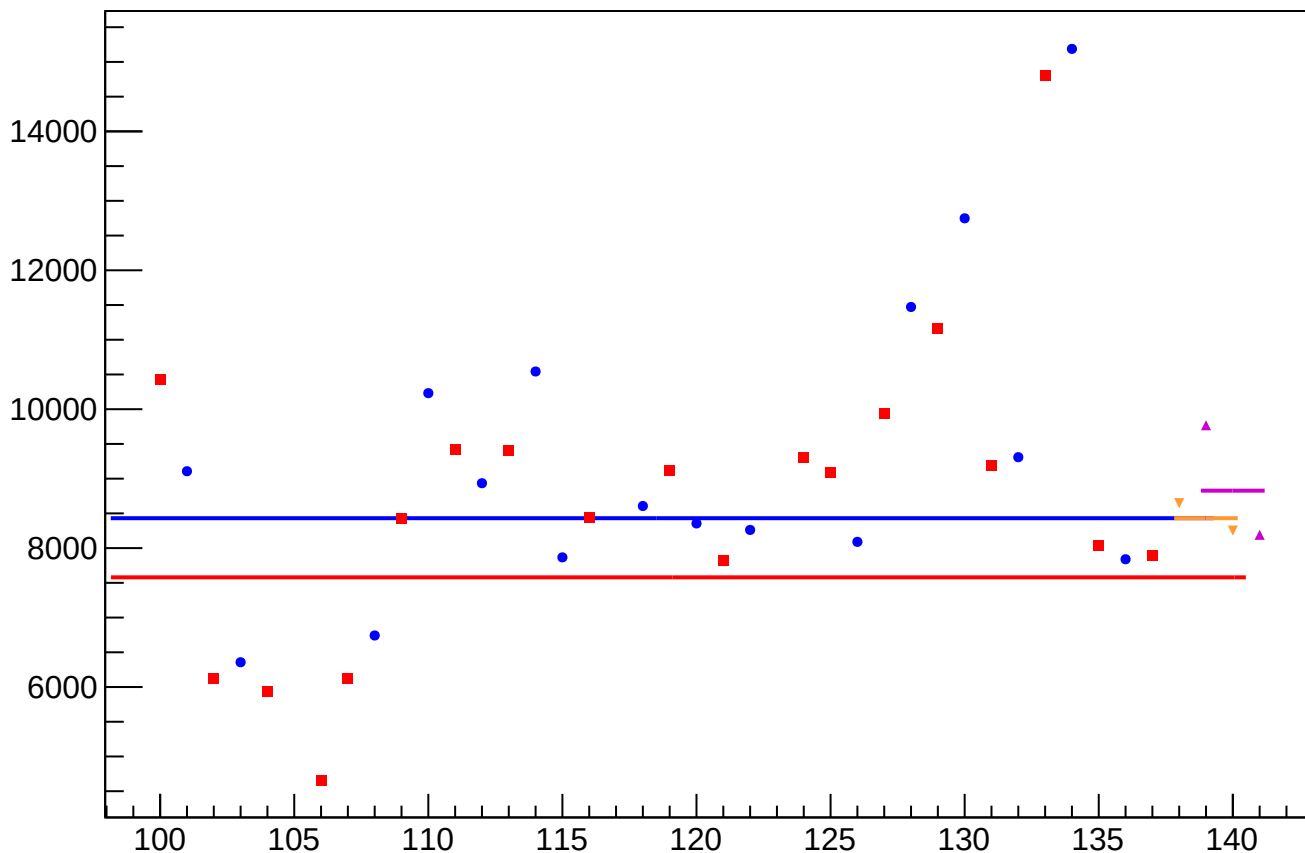
Left In: 3457.856 ± 6755.391 χ^2/NDF : 0.0/1

+ sign -651.629 ± 2893.644 χ^2/NDF : 15.8/17

All: 362.753 ± 1951.803 χ^2/NDF : 31.6/38

- sign 1209.516 ± 2643.780 χ^2/NDF : 15.5/20

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758 $\pm$ 2.271 χ^2 /NDF: 580289.4/15

Left Out: 8430.889 $\pm$ 4.717 χ^2 /NDF:1738.8/1

Right Out: 7579.100 $\pm$ 2.031 χ^2 /NDF: 974123.2/18

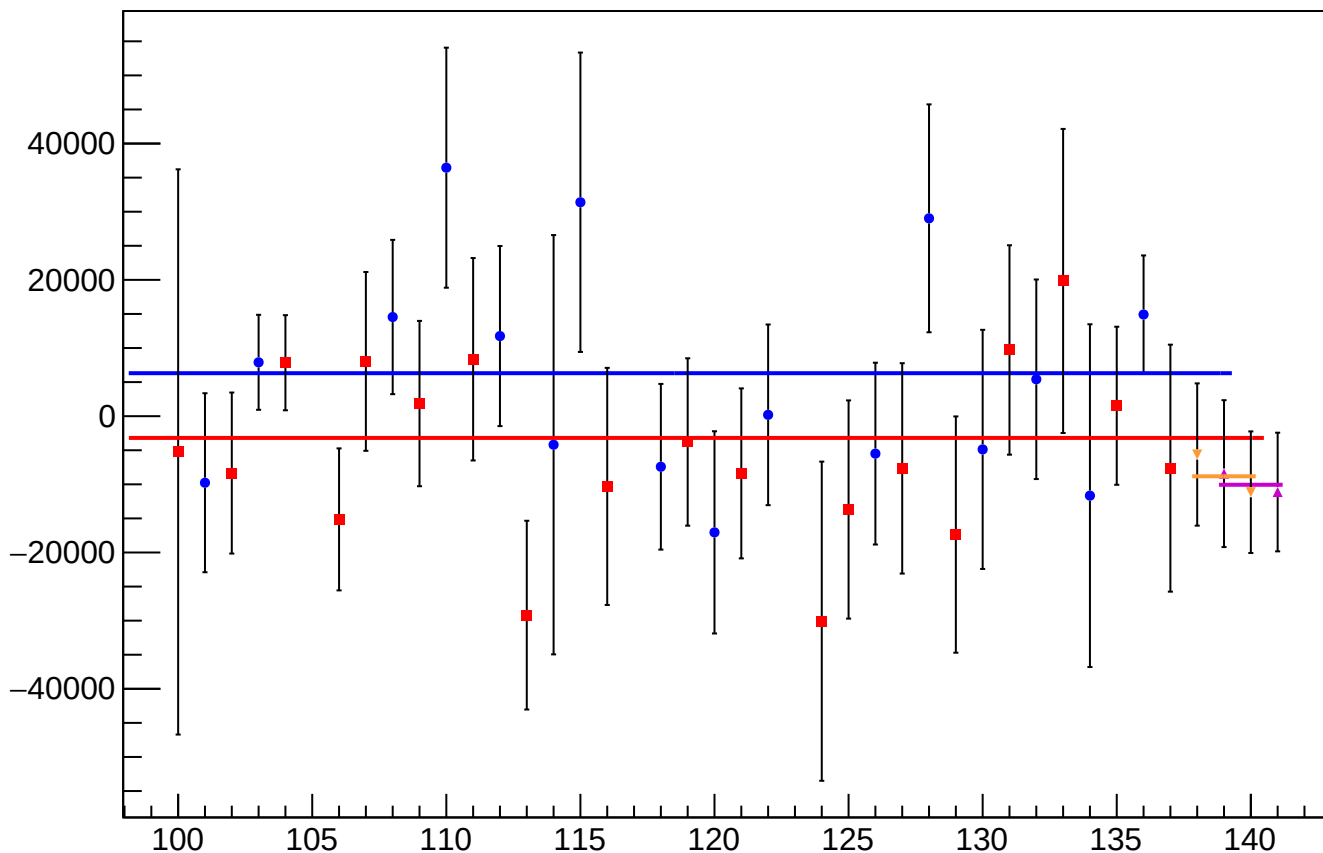
Left In: 8827.226 $\pm$ 4.777 χ^2 /NDF:26236.7/1

+ sign 8430.783 $\pm$ 2.046 χ^2 /NDF: 582028.1/17

All: 8070.780 $\pm$ 1.380 χ^2 /NDF: 1697001.4/38

- sign 7770.265 $\pm$ 1.869 χ^2 /NDF: 1058175.7/20

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF : 15.1/15

Left Out: -8819.853+/-6780.310 χ^2/NDF : 0.2/1

Right Out: -3189.356+/-3068.645 χ^2/NDF : 13.9/18

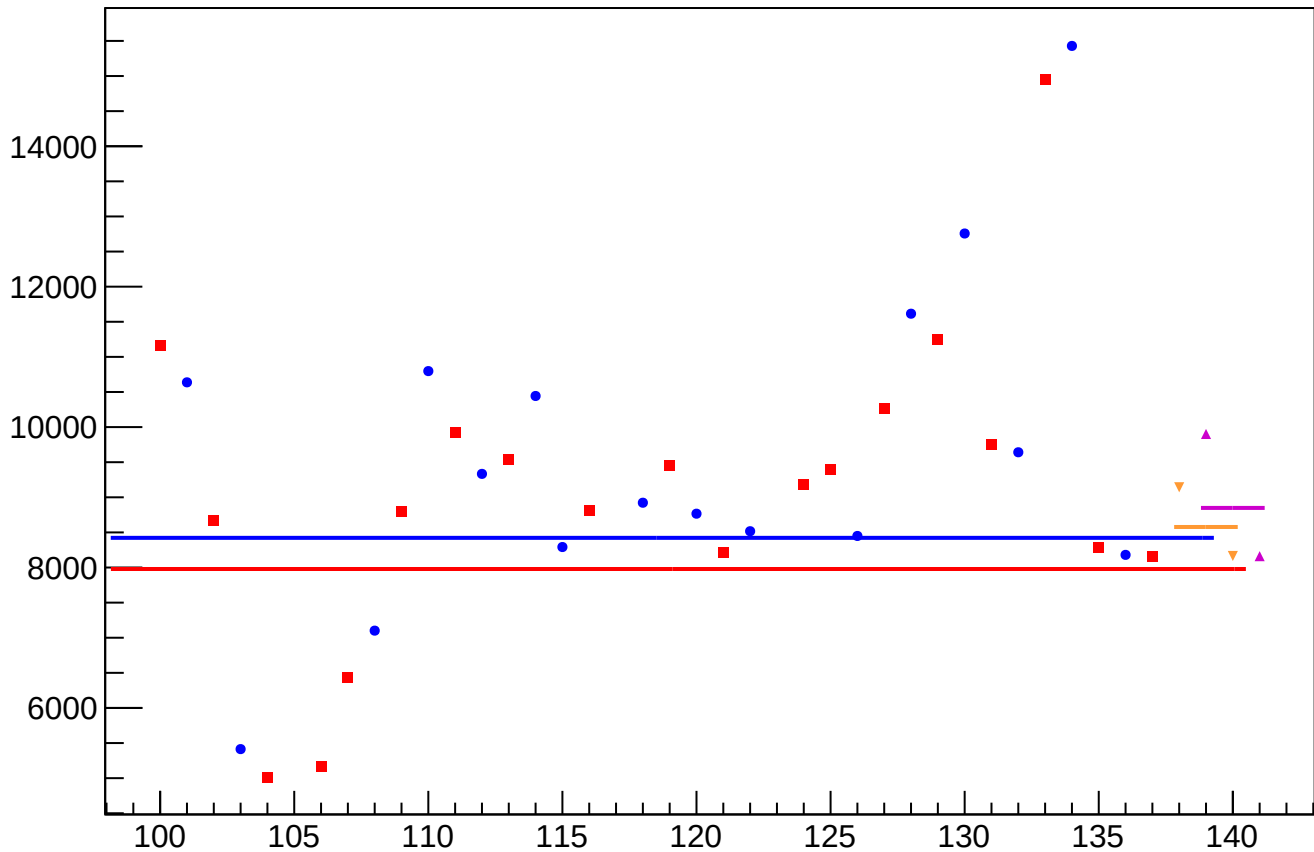
Left In: -10062.859+/-6771.532 χ^2/NDF : 0.0/1

+ sign 3495.422+/-2923.159 χ^2/NDF : 19.3/17

All: -608.425+/-2020.167 χ^2/NDF : 37.9/38

- sign -4360.419+/-2795.040 χ^2/NDF : 14.8/20

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF : 881833.9/15

Left Out: 8577.347+/-4.794 χ^2/NDF : 10157.7/1

Right Out: 7978.997+/-2.170 χ^2/NDF : 1016019.0/18

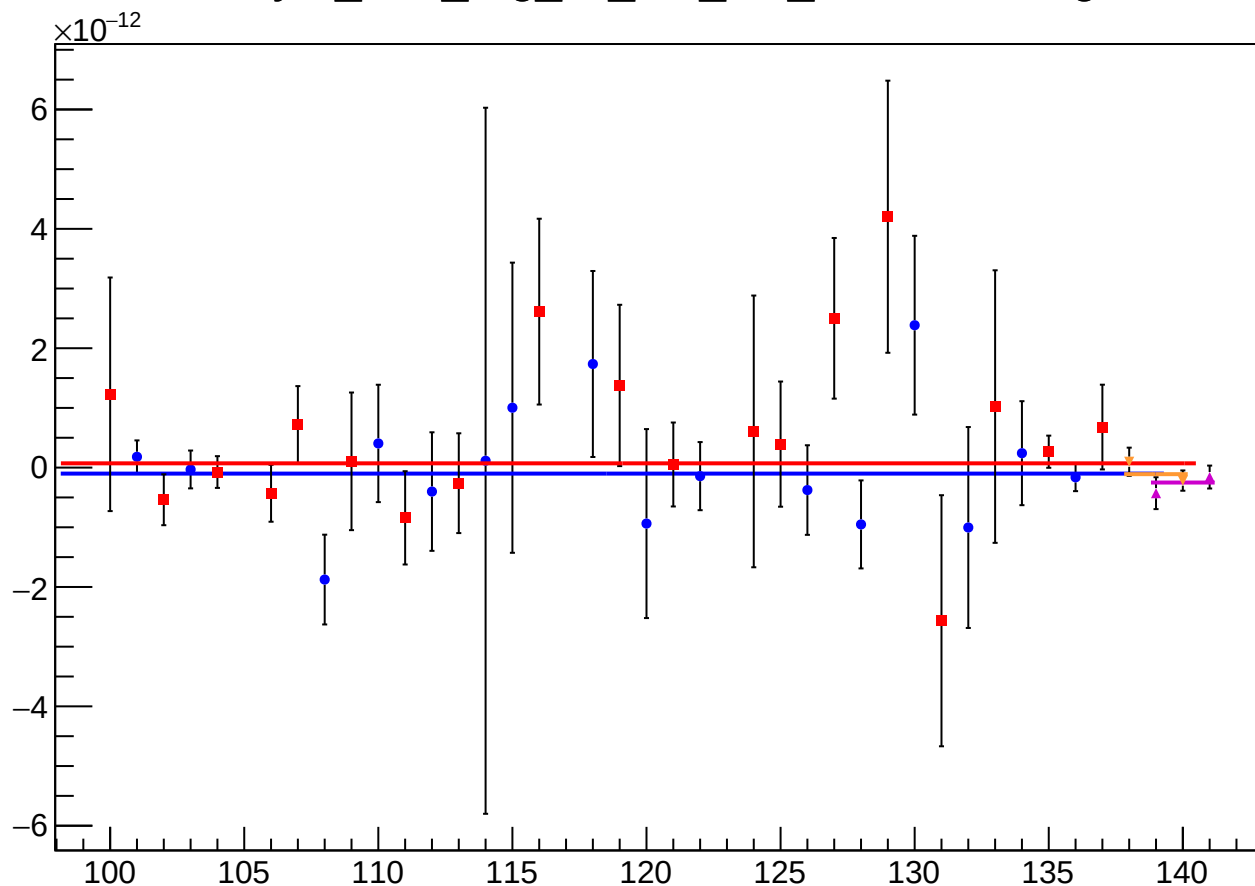
Left In: 8848.889+/-4.788 χ^2/NDF : 31566.0/1

+ sign 8451.458+/-2.067 χ^2/NDF : 892838.4/17

All: 8282.065+/-1.428 χ^2/NDF : 1980662.1/38

- sign 8127.199+/-1.976 χ^2/NDF : 1074967.4/20

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.6/18

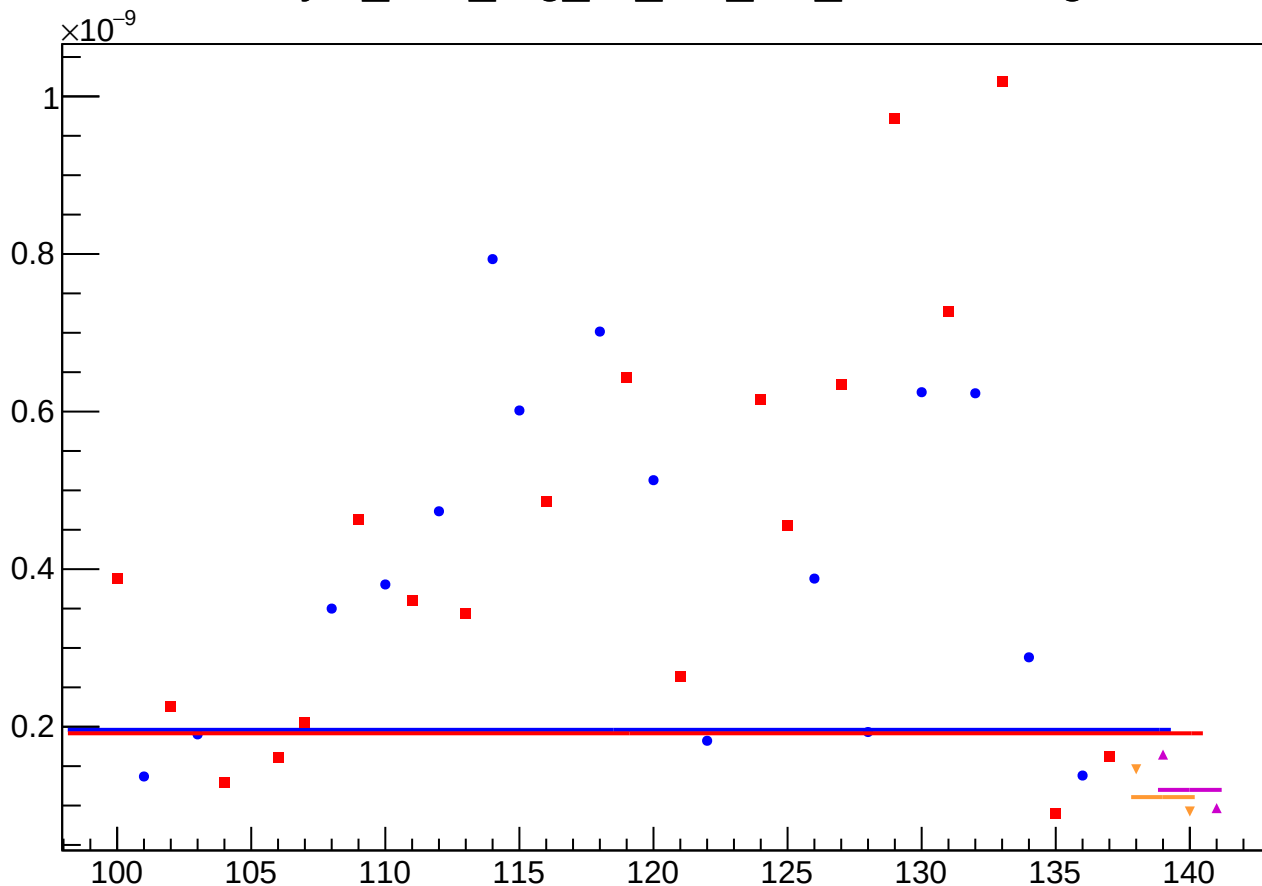
Left In: -0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign -0.000 ± 0.000 χ^2/NDF : 14.8/17

All: -0.000 ± 0.000 χ^2/NDF : 37.5/38

- sign -0.000 ± 0.000 χ^2/NDF : 22.7/20

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 67795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2066454.3/18

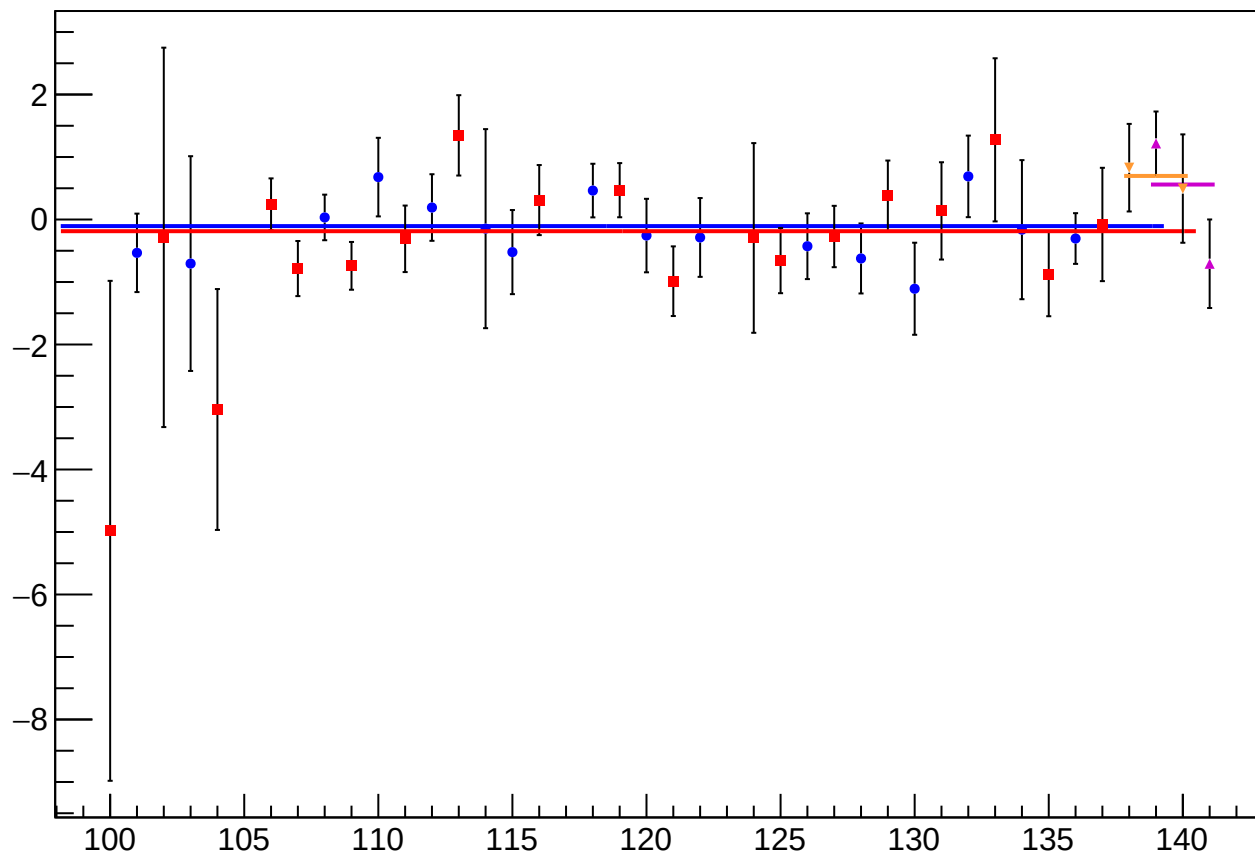
Left In: 0.000+/-0.000 χ^2/NDF : 85334.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 1803473.9/17

All: 0.000+/-0.000 χ^2/NDF : 4193931.7/38

- sign 0.000+/-0.000 χ^2/NDF : 2387680.6/20

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.697 ± 0.545 χ^2/NDF : 0.1/1

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

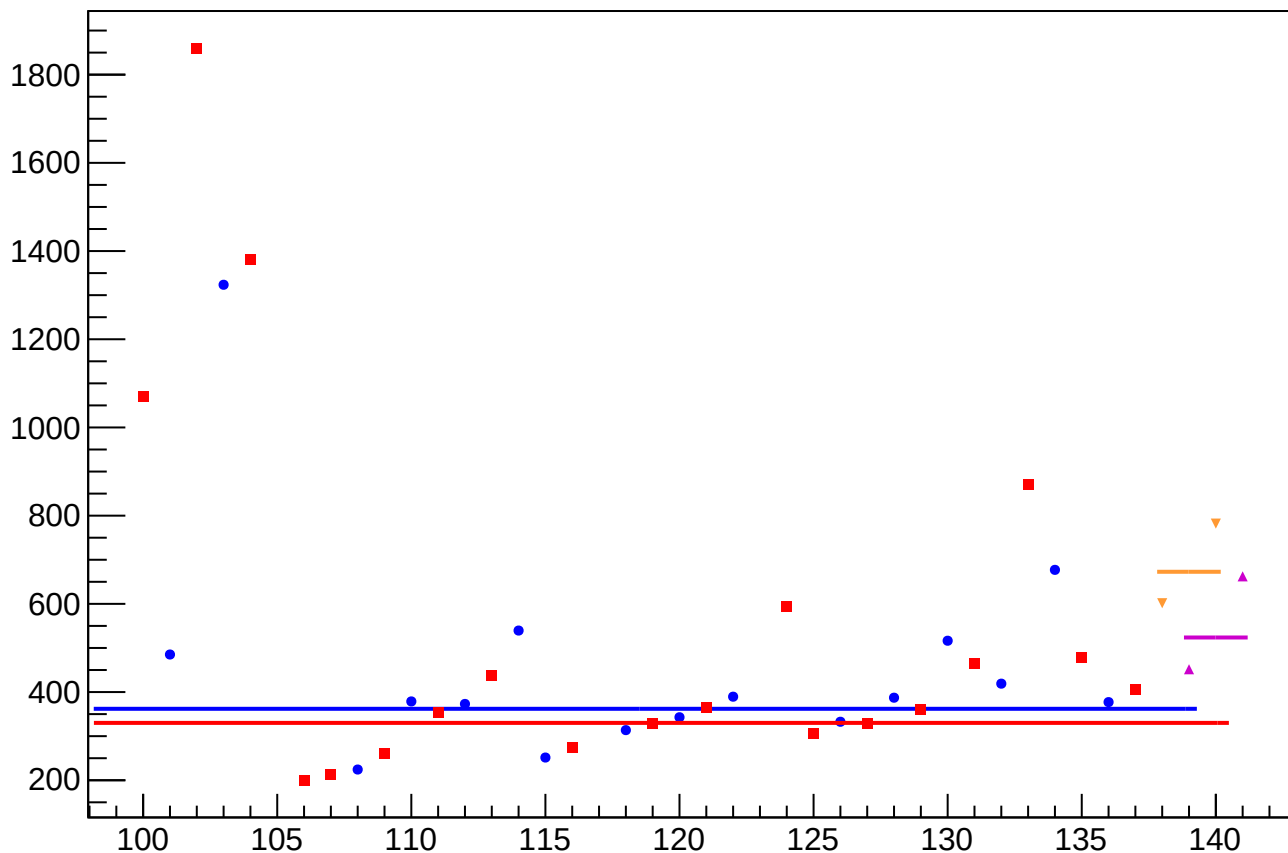
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.085 ± 0.095 χ^2/NDF : 43.6/38

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF : 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF : 52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF : 2246513.0/18

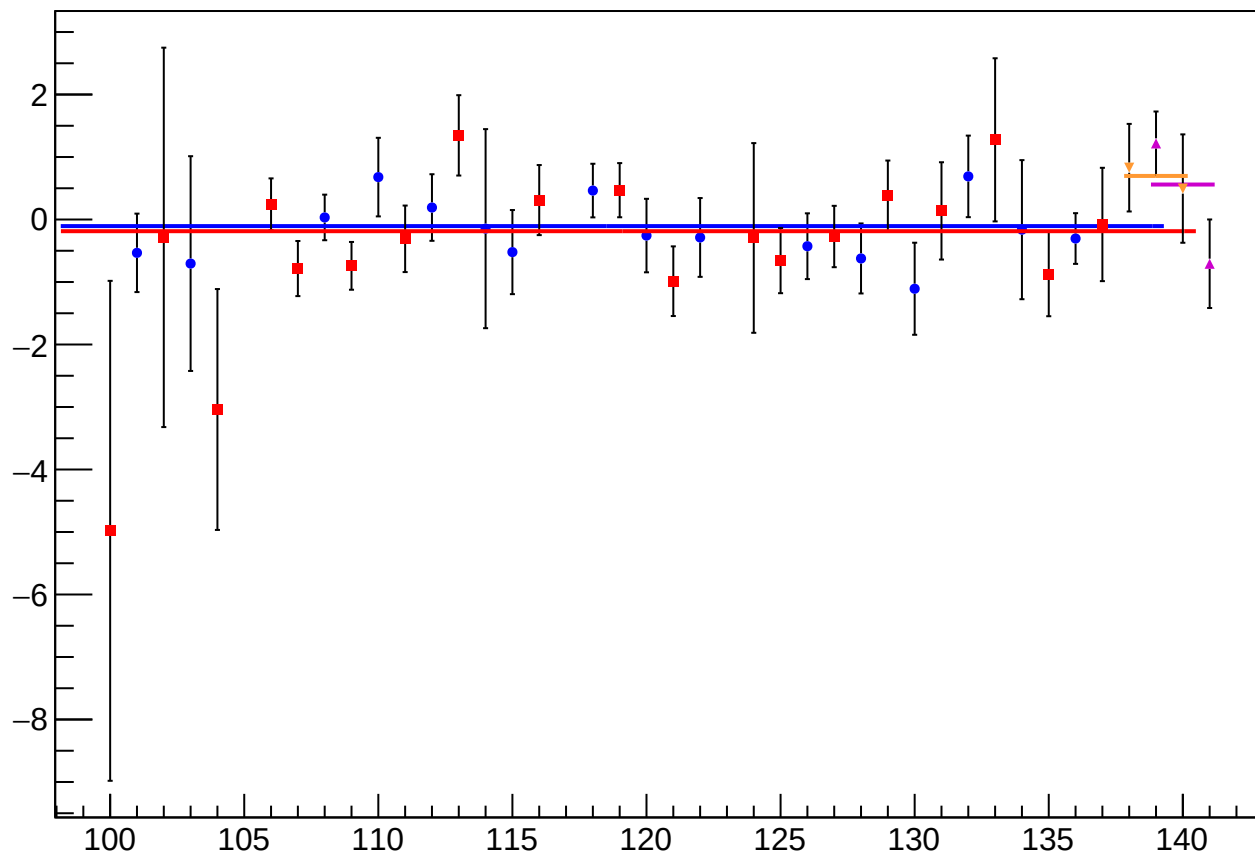
Left In: 523.728+/-0.293 χ^2/NDF : 116379.8/1

+ sign 382.494+/-0.099 χ^2/NDF : 2037063.4/17

All: 364.735+/-0.067 χ^2/NDF : 4854156.6/38

- sign 349.287+/-0.092 χ^2/NDF : 2756778.7/20

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

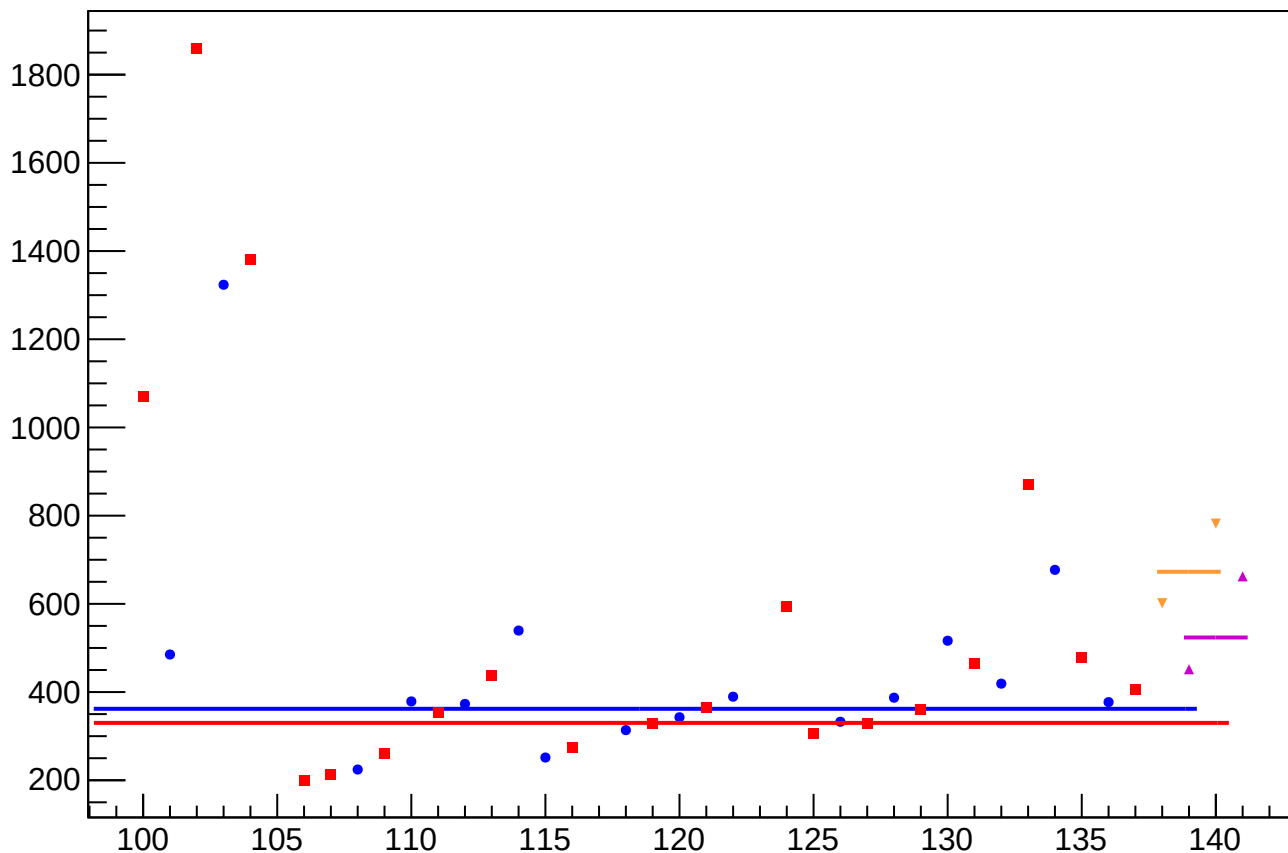
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.085 ± 0.095 χ^2/NDF : 43.6/38

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF : 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF : 52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF : 2246513.0/18

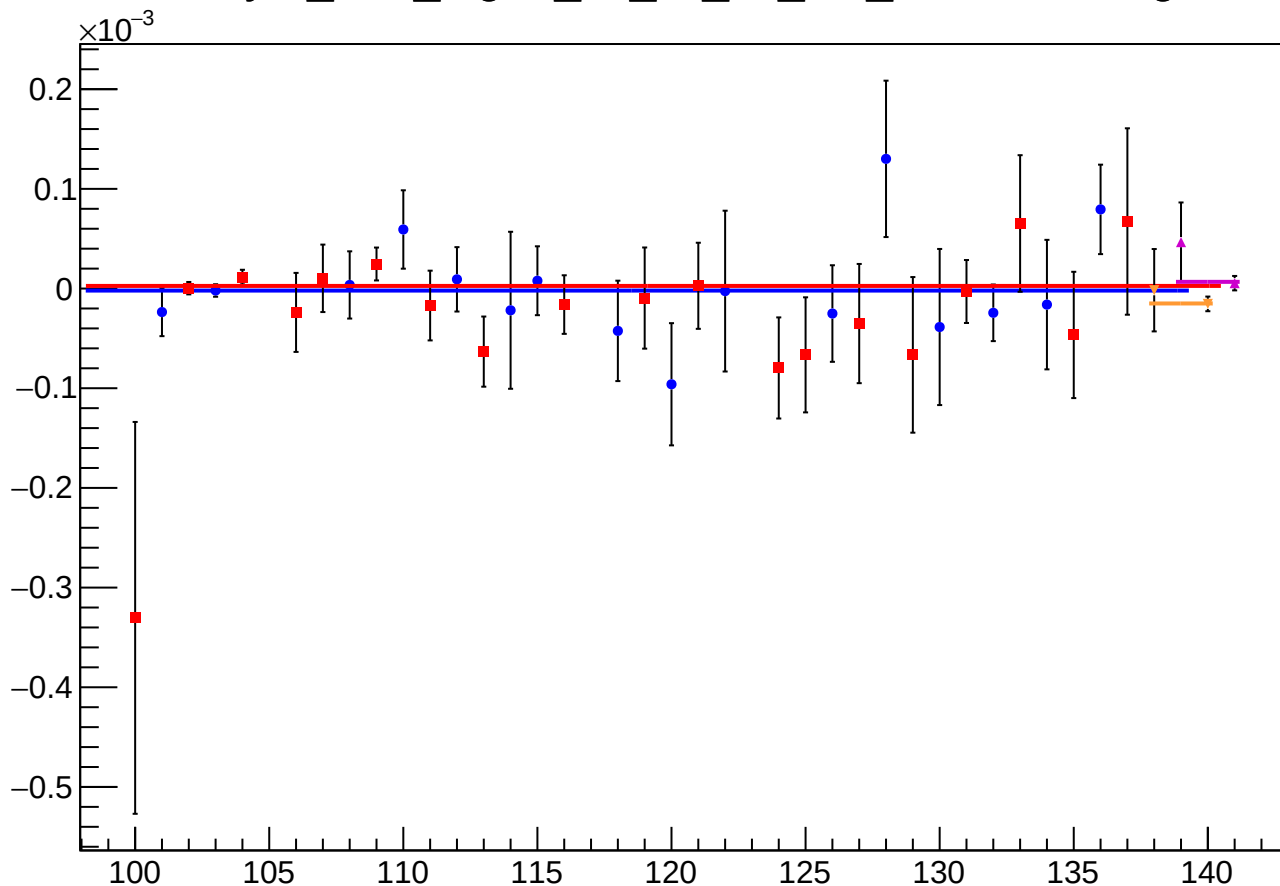
Left In: 523.728+/-0.293 χ^2/NDF : 116379.8/1

+ sign 382.494+/-0.099 χ^2/NDF : 2037063.4/17

All: 364.735+/-0.067 χ^2/NDF : 4854156.6/38

- sign 349.287+/-0.092 χ^2/NDF : 2756778.7/20

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 0.1/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 18.2/18

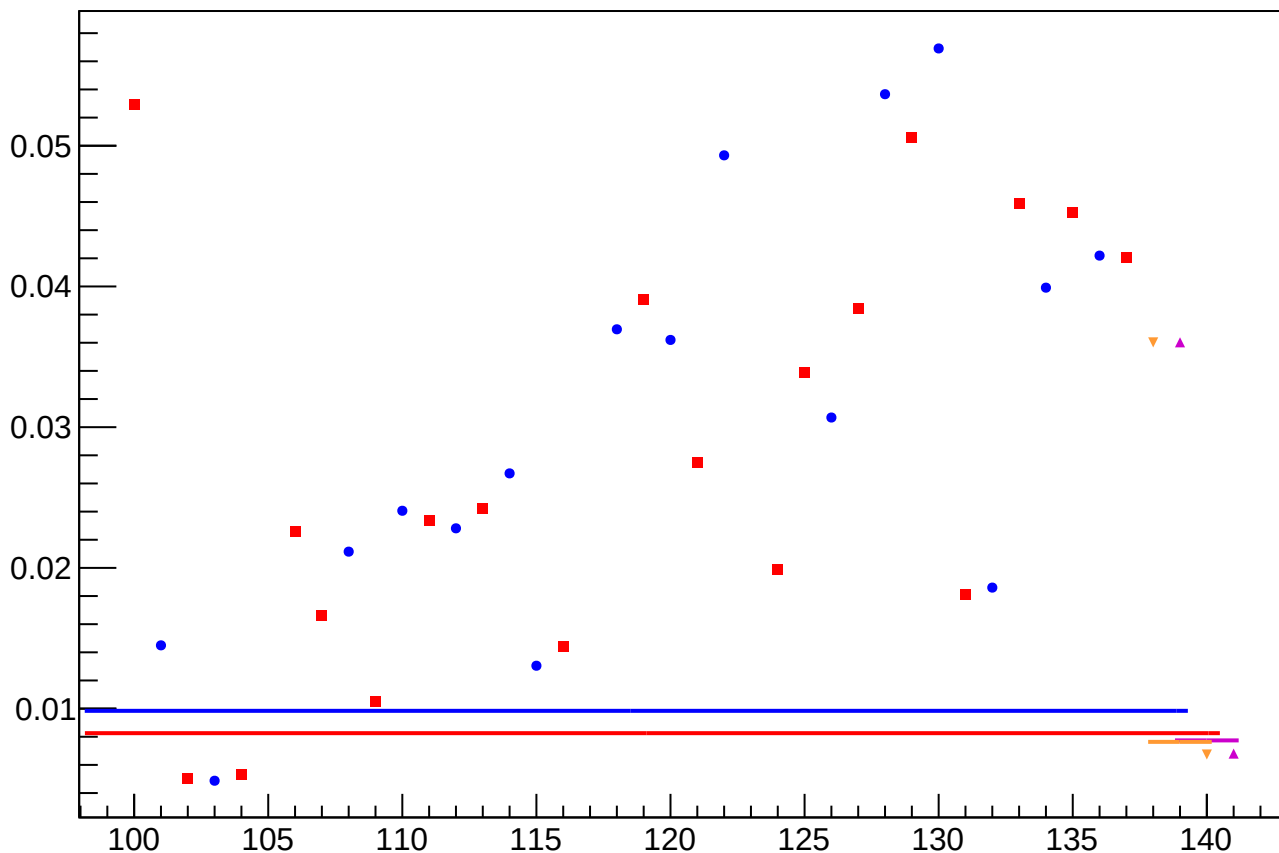
Left In: 0.000+/-0.000 χ^2 /NDF: 1.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 15.9/17

All: -0.000+/-0.000 χ^2 /NDF: 38.8/38

- sign 0.000+/-0.000 χ^2 /NDF: 19.5/20

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

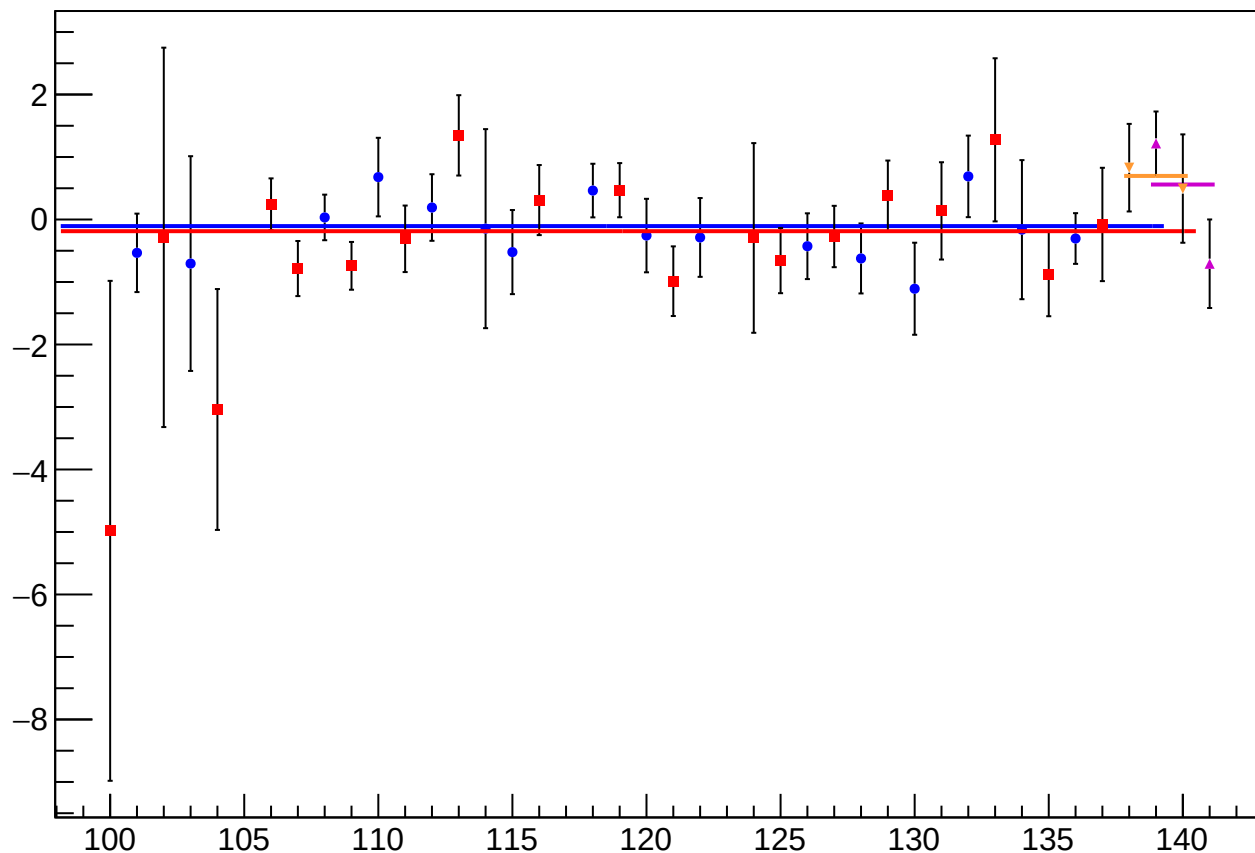
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1045615.1/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8145560.3/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 15993986.7/38

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7794287.6/20

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.697 ± 0.545 χ^2/NDF : 0.1/1

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

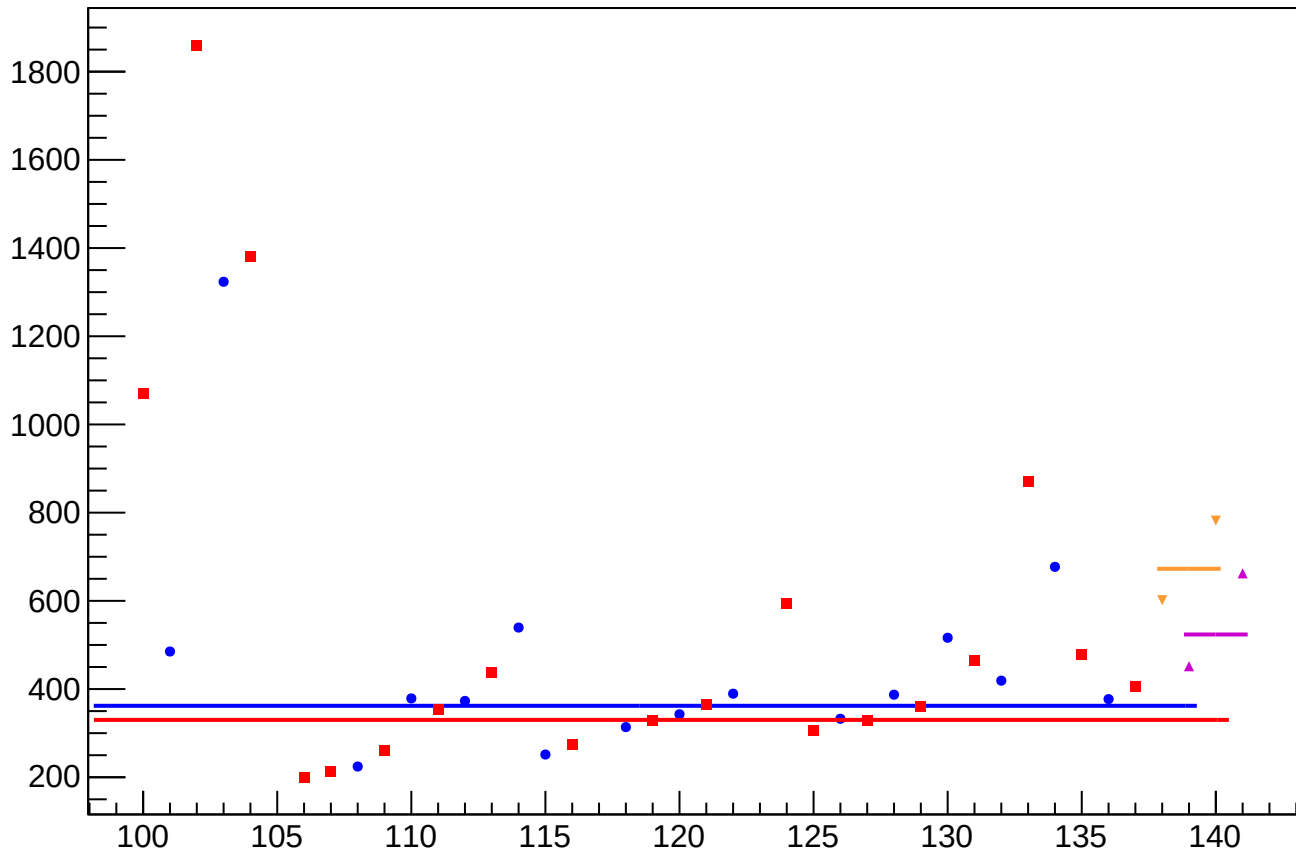
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.085 ± 0.095 χ^2/NDF : 43.6/38

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF : 1377333.3/15

Left Out: 672.757+/-0.385 χ^2/NDF : 52436.6/1

Right Out: 330.082+/-0.097 χ^2/NDF : 2246503.8/18

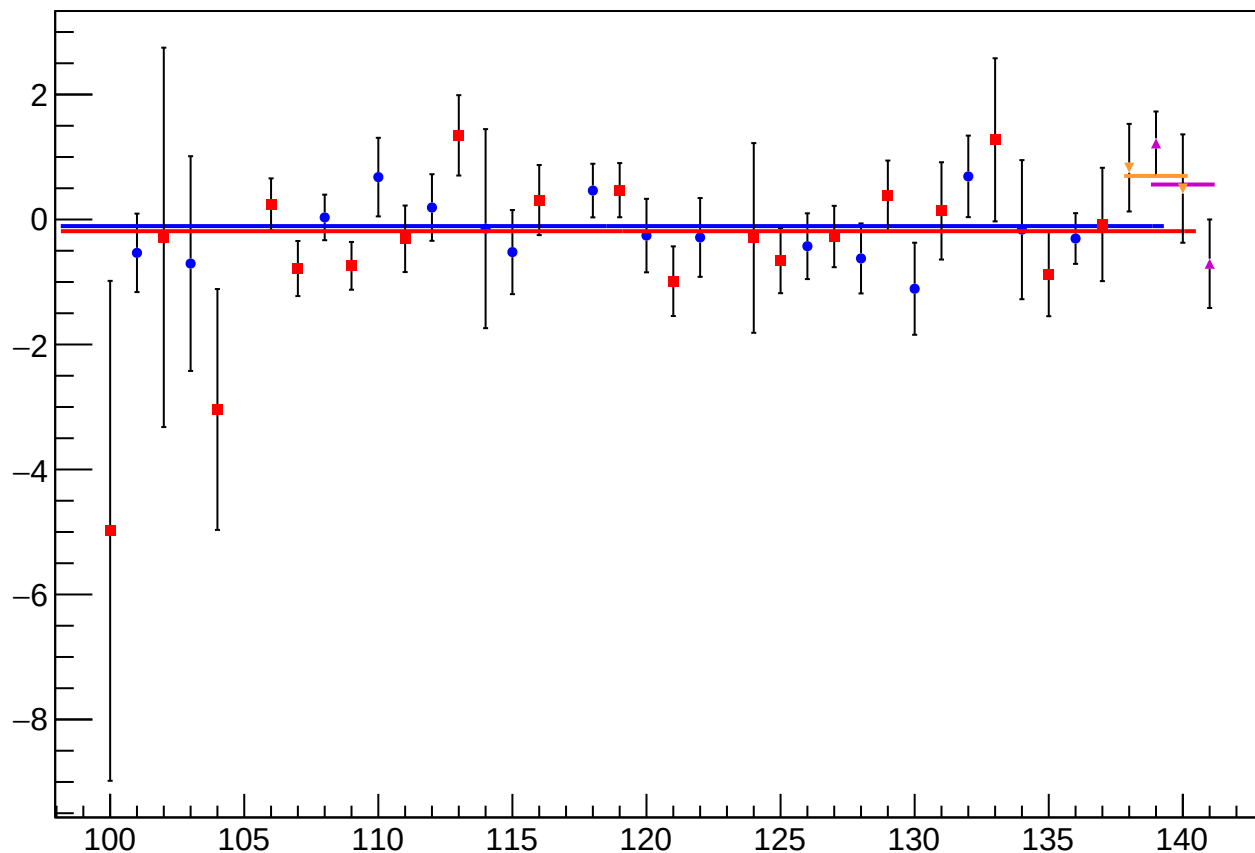
Left In: 523.734+/-0.293 χ^2/NDF : 116368.1/1

+ sign 382.492+/-0.099 χ^2/NDF : 2037087.7/17

All: 364.733+/-0.067 χ^2/NDF : 4854178.7/38

- sign 349.286+/-0.092 χ^2/NDF : 2756781.5/20

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

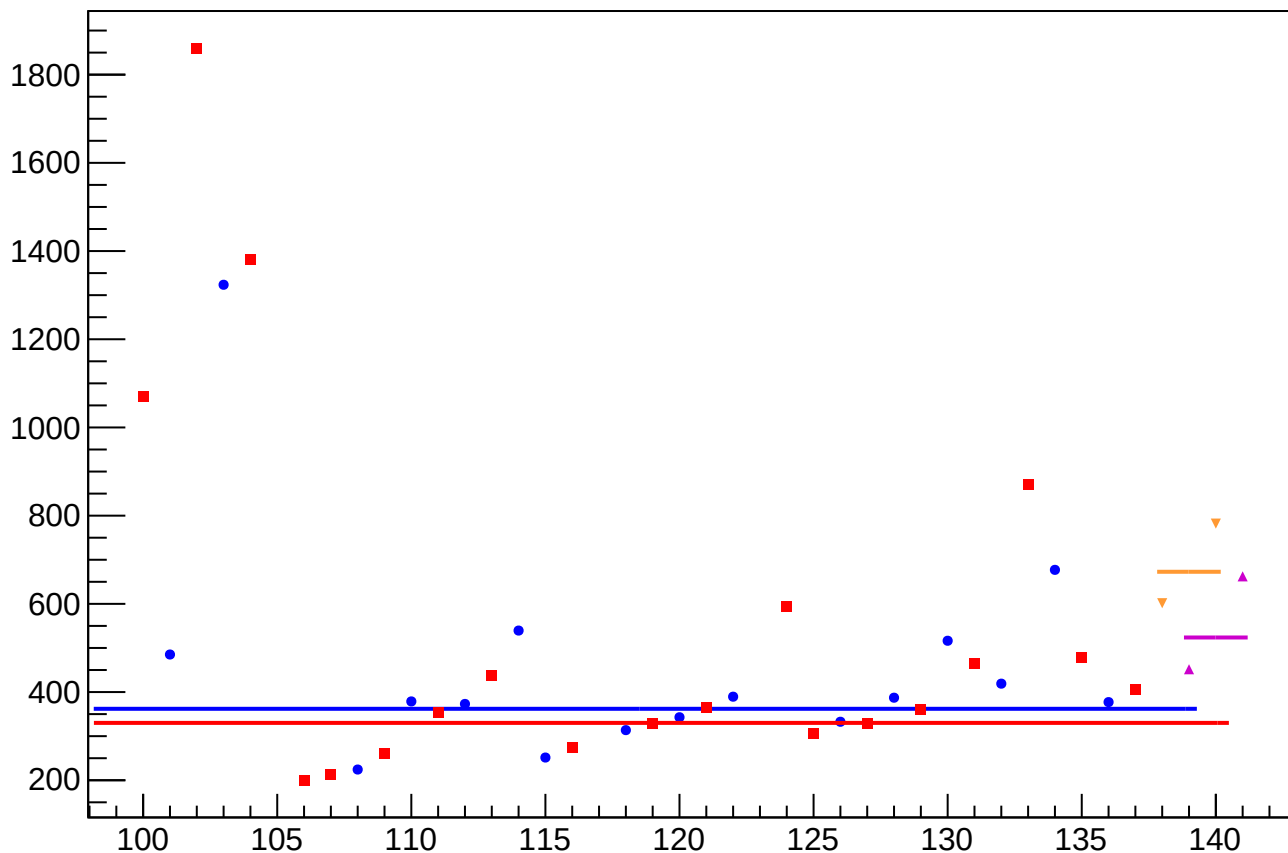
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.053 ± 0.140 χ^2/NDF : 11.8/17

All: -0.085 ± 0.095 χ^2/NDF : 43.6/38

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034 $\pm$ 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

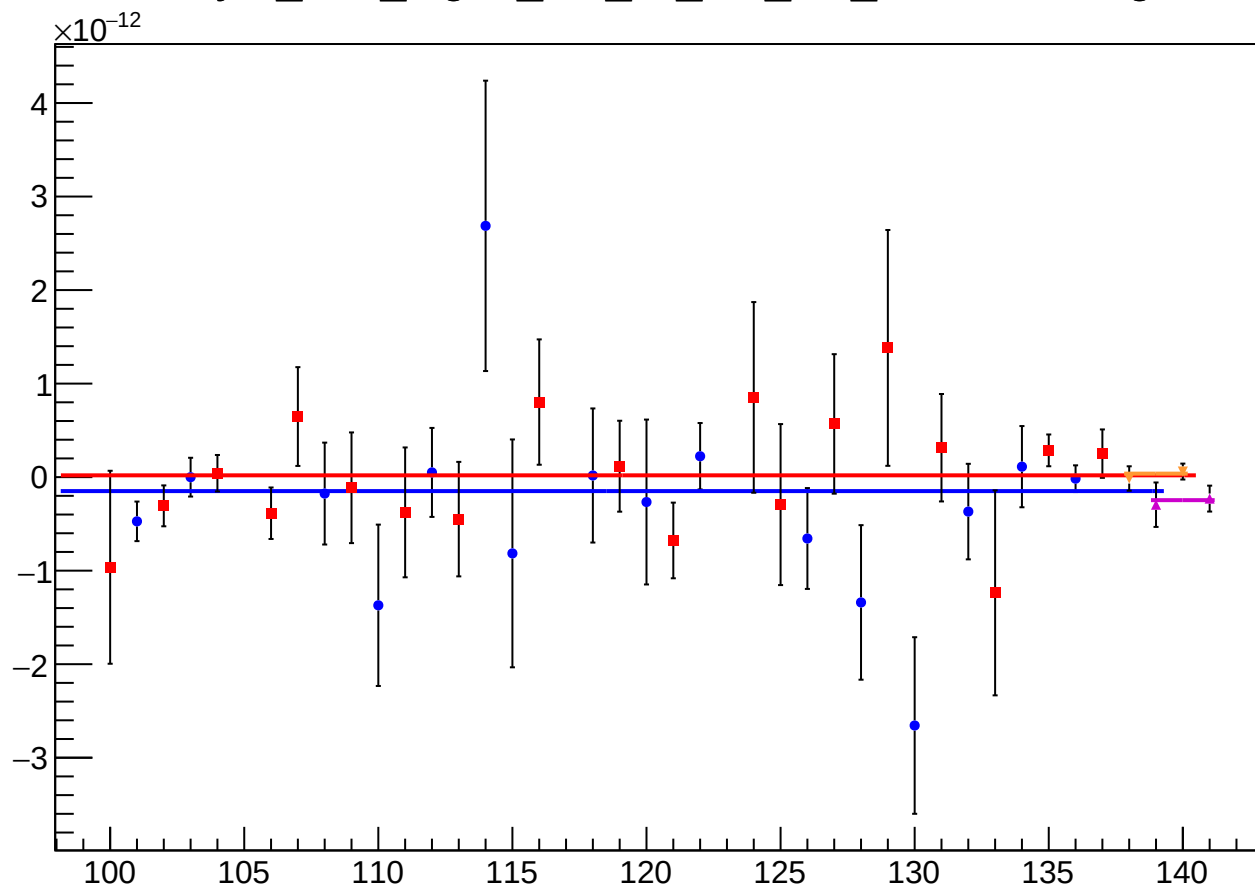
Left In: 523.734 $\pm$ 0.293 χ^2 /NDF: 116368.1/1

+ sign 382.492 $\pm$ 0.099 χ^2 /NDF: 2037087.7/17

All: 364.733 $\pm$ 0.067 χ^2 /NDF: 4854178.7/38

- sign 349.286 $\pm$ 0.092 χ^2 /NDF: 2756781.5/20

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.4/18

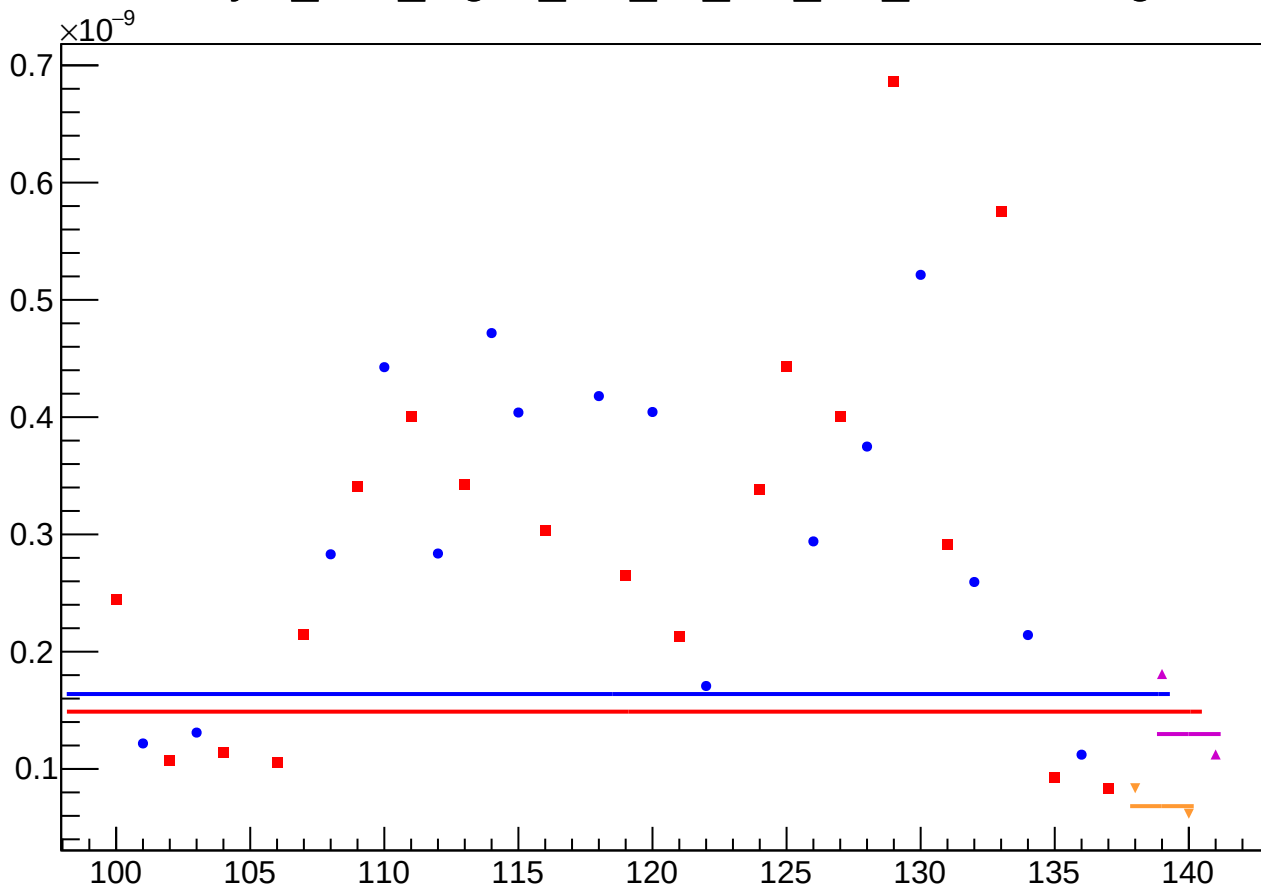
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.2/17

All: -0.000 ± 0.000 χ^2/NDF : 47.1/38

- sign -0.000 ± 0.000 χ^2/NDF : 22.8/20

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 38774.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2846265.5/18

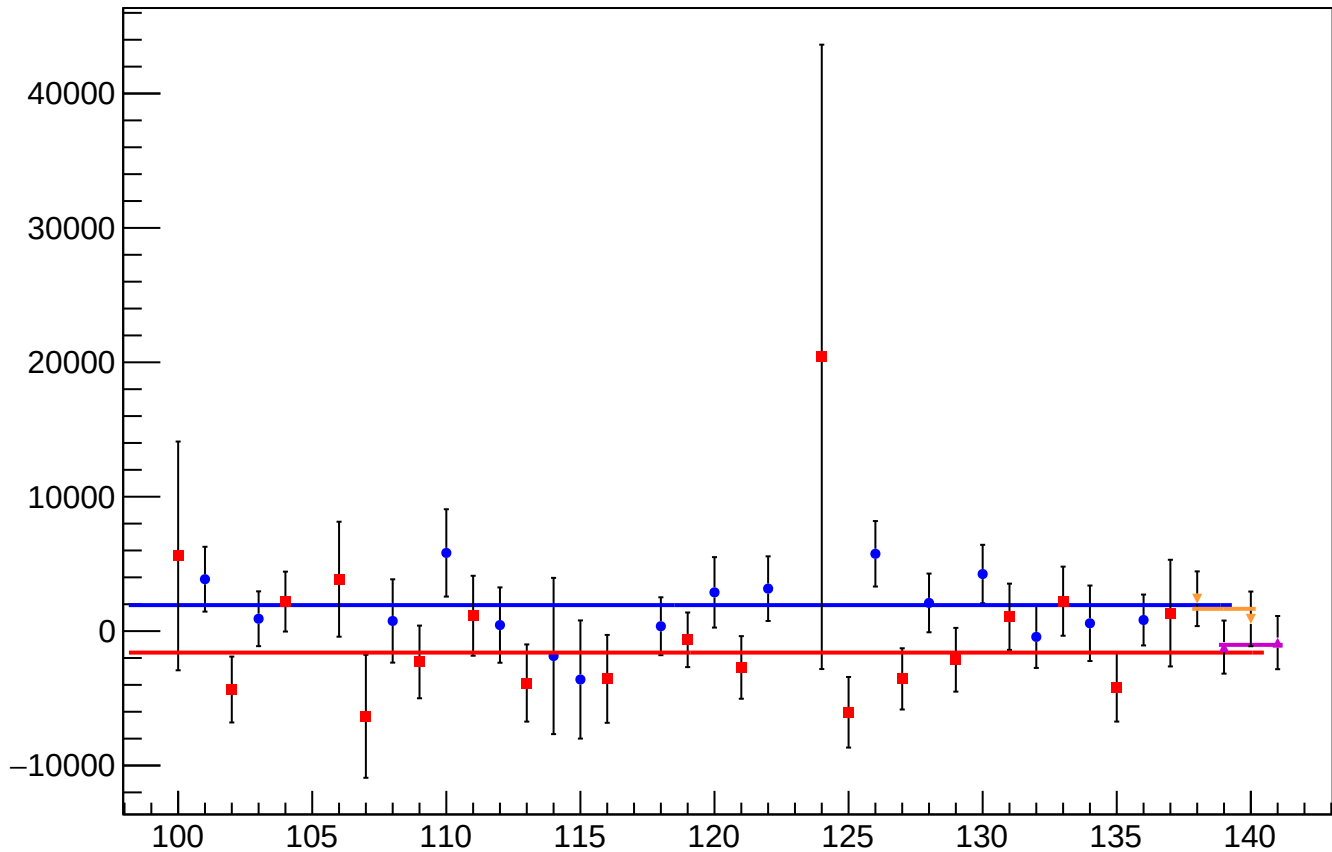
Left In: 0.000+/-0.000 χ^2/NDF : 124534.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3488578.9/17

All: 0.000+/-0.000 χ^2/NDF : 6829287.4/38

- sign 0.000+/-0.000 χ^2/NDF : 3005032.3/20

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

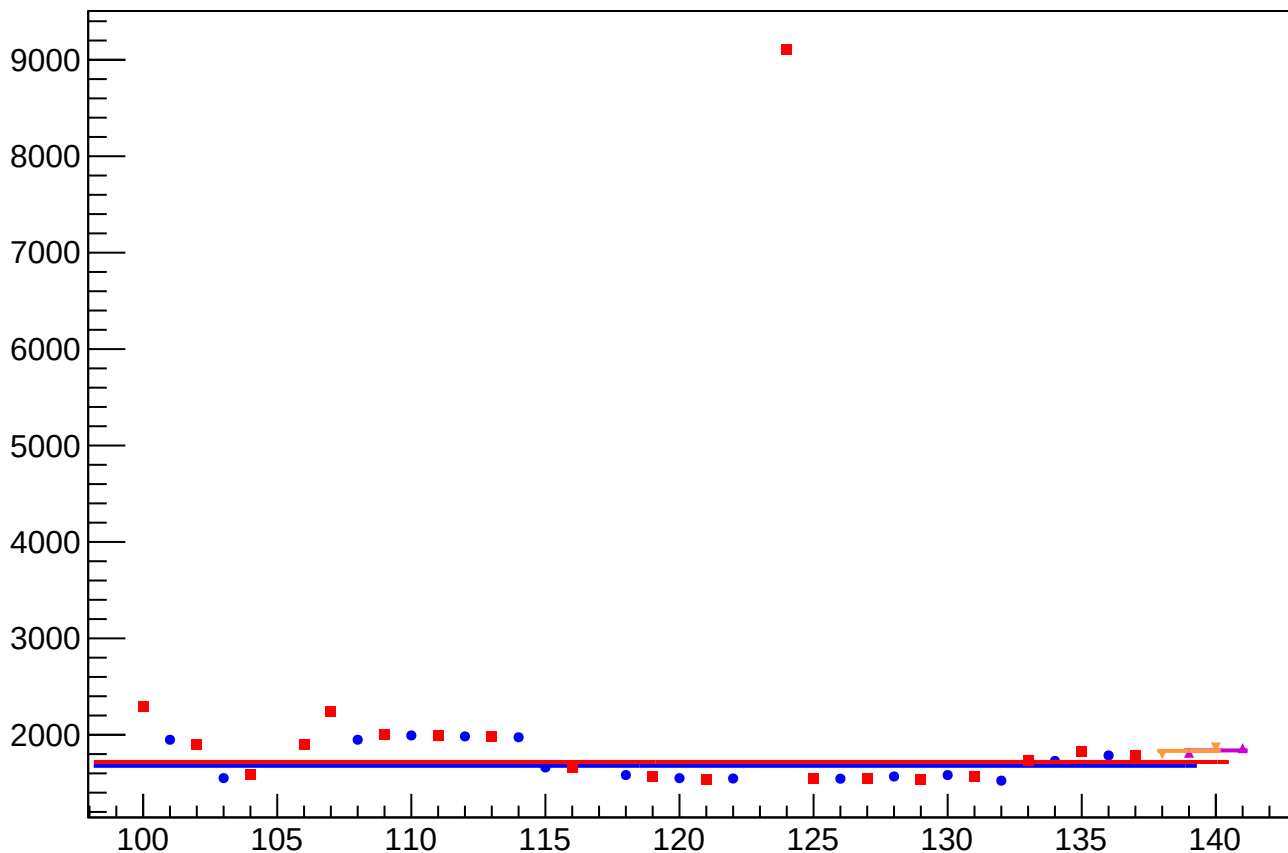
Left In: -1023.008 $\pm$ 1397.568 χ^2 /NDF:0.0/1

+ sign 1890.617 $\pm$ 575.483 χ^2 /NDF: 11.2/17

All: 220.018 $\pm$ 409.749 χ^2 /NDF: 47.8/38

- sign -1497.721 $\pm$ 583.545 χ^2 /NDF: 19.6/20

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.6/15

Left Out: 1833.352+/-1.018 χ^2/NDF : 1198.1/1

Right Out: 1718.312+/-0.452 χ^2/NDF : 383179.3/18

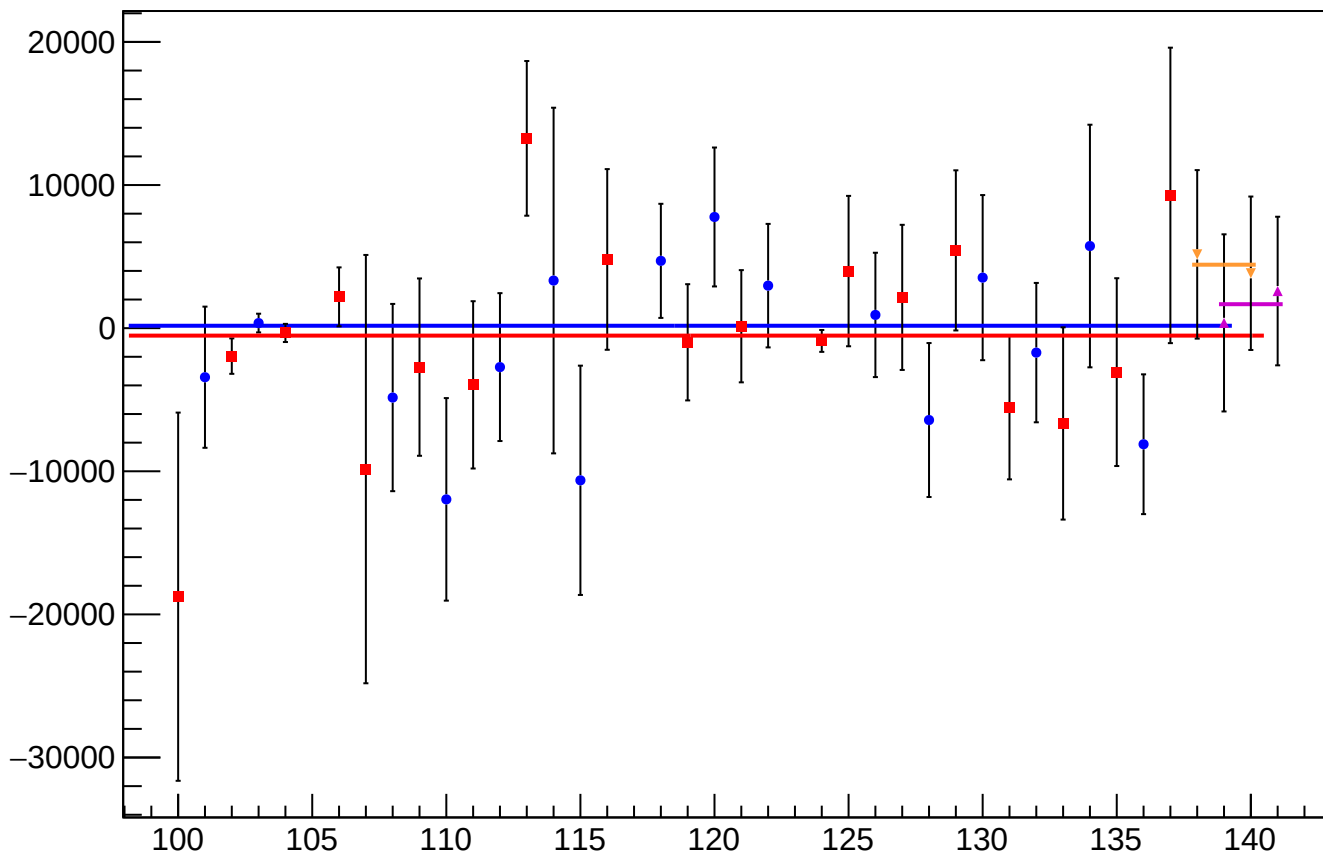
Left In: 1837.971+/-0.988 χ^2/NDF : 587.2/1

+ sign 1703.300+/-0.407 χ^2/NDF : 162124.9/17

All: 1720.977+/-0.289 χ^2/NDF : 561828.7/38

- sign 1739.011+/-0.411 χ^2/NDF : 395891.7/20

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

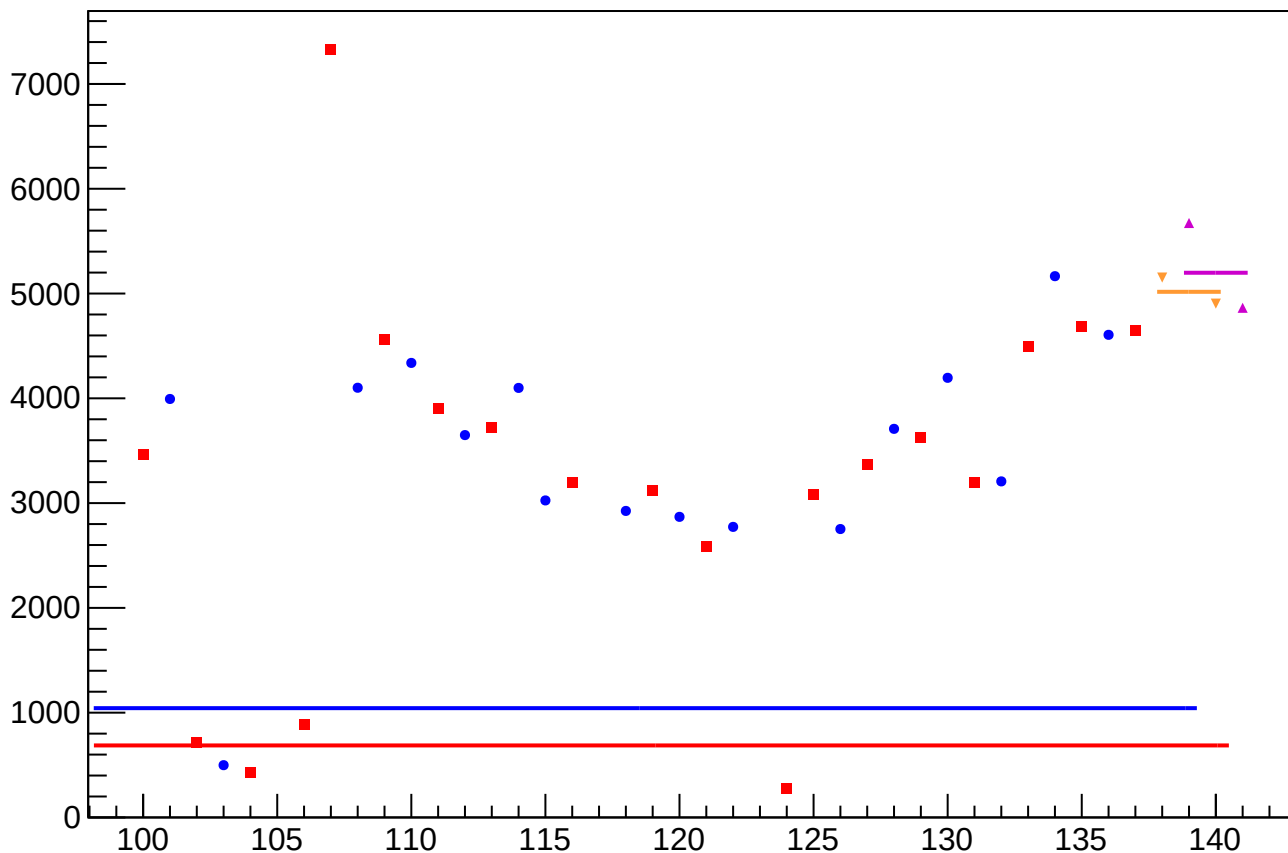
Left In: 1674.422 $\pm$ 3977.504 χ^2 /NDF: 0.1/1

+ sign 261.250 $\pm$ 585.125 χ^2 /NDF: 17.0/17

All: -236.796 $\pm$ 342.474 χ^2 /NDF: 37.0/38

- sign -496.322 $\pm$ 422.381 χ^2 /NDF: 18.9/20

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF : 8111897.6/15

Left Out: 5016.467+/-2.803 χ^2/NDF :1954.1/1

Right Out: 687.329+/-0.300 χ^2/NDF : 8631529.6/18

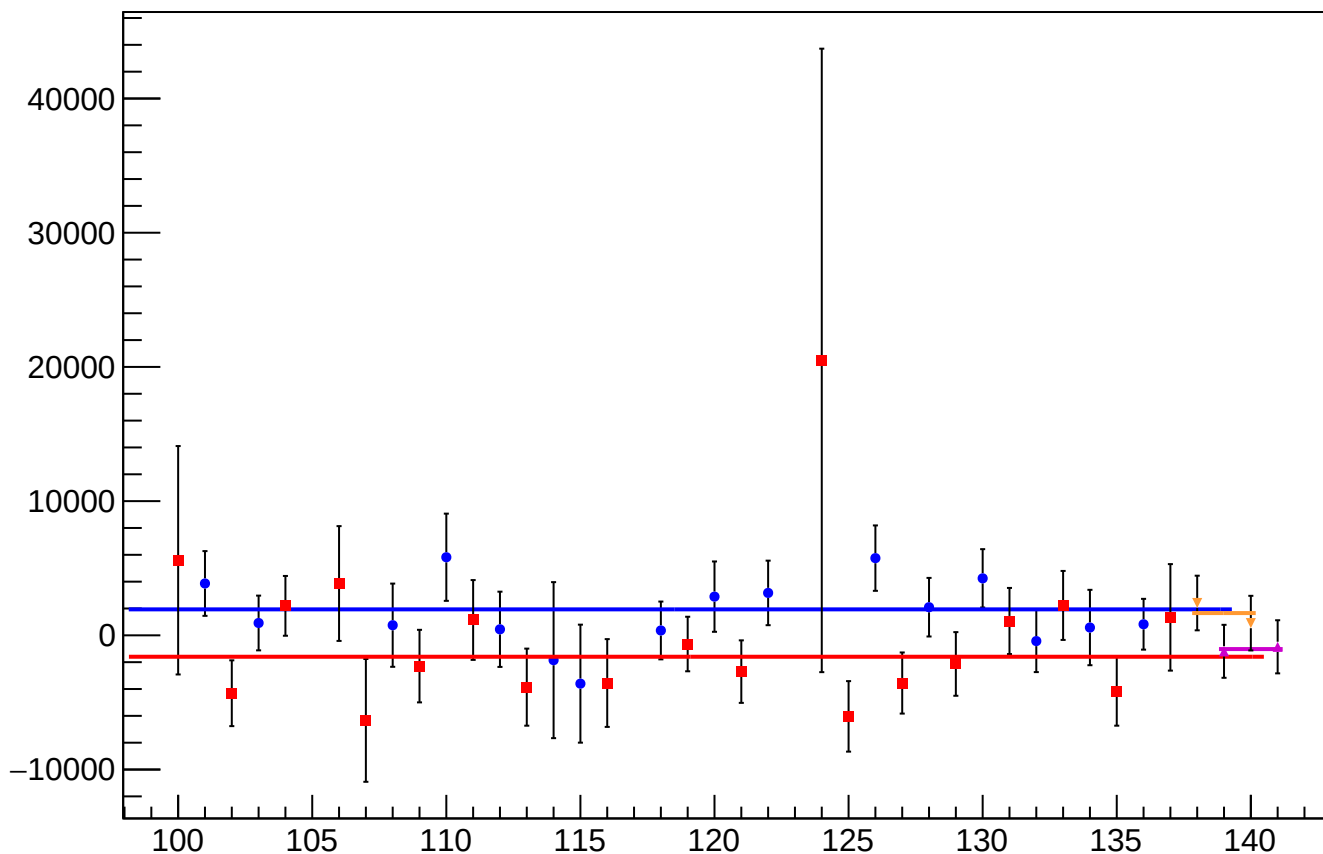
Left In: 5198.362+/-2.813 χ^2/NDF :20064.6/1

+ sign 1129.707+/-0.414 χ^2/NDF : 10079870.8/17

All: 872.320+/-0.242 χ^2/NDF : 21863638.7/38

- sign 738.199+/-0.299 χ^2/NDF : 11195116.3/20

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF : 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF : 0.3/1

Right Out: -1595.521+/-642.212 χ^2/NDF : 19.4/18

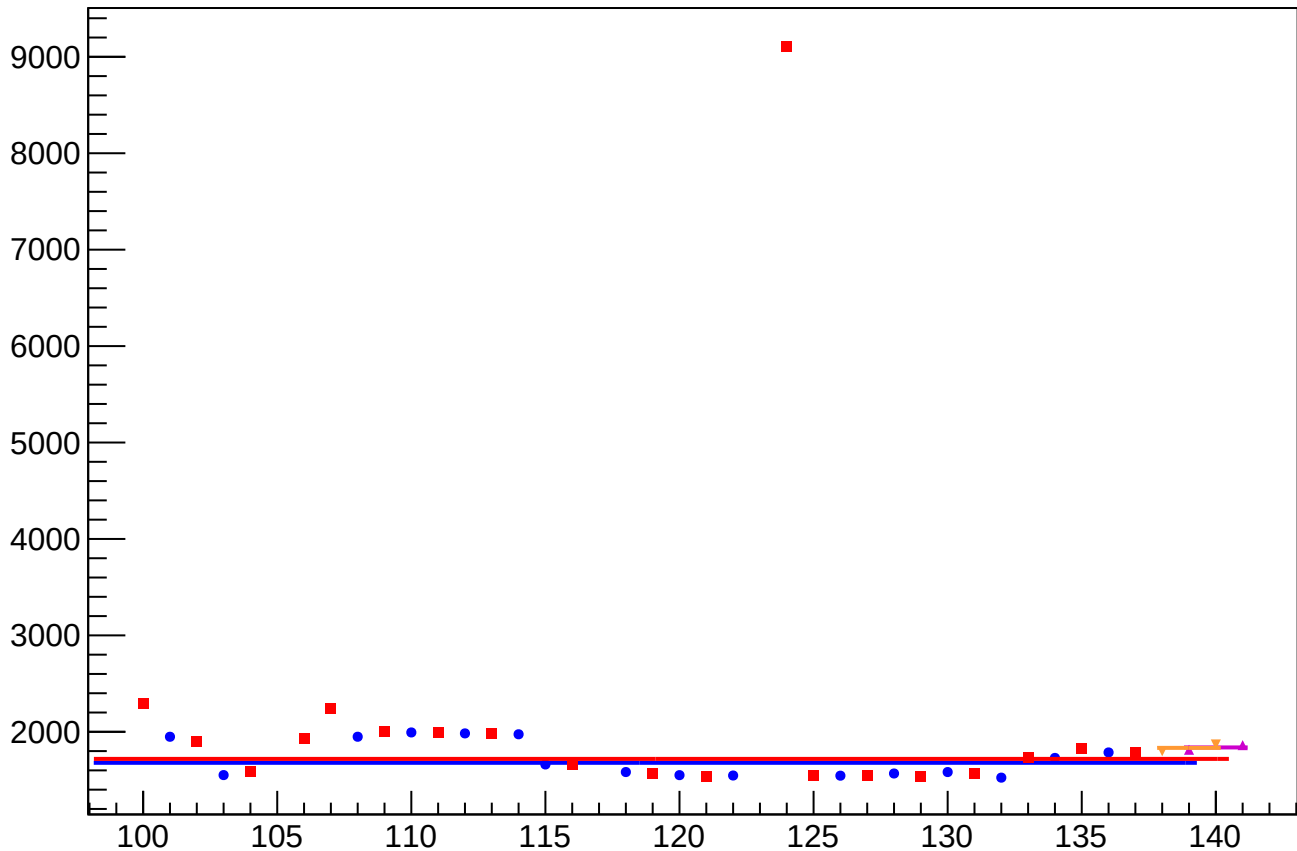
Left In: -1023.162+/-1397.568 χ^2/NDF : 0.0/1

+ sign 1890.736+/-575.483 χ^2/NDF : 11.2/17

All: 221.070+/-409.750 χ^2/NDF : 47.8/38

- sign -1495.733+/-583.549 χ^2/NDF : 19.5/20

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF : 1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

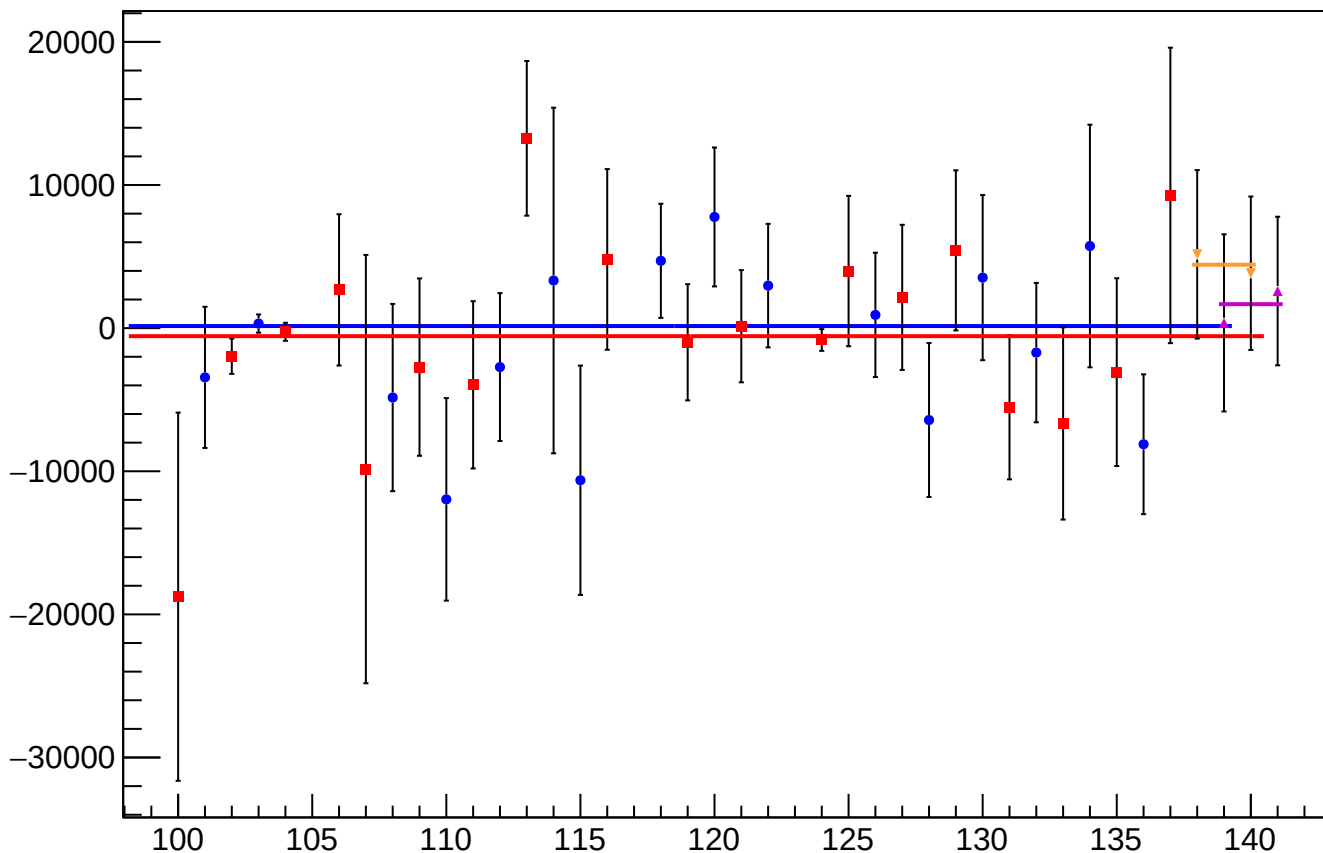
Left In: 1837.971+/-0.988 χ^2/NDF : 587.2/1

+ sign 1703.300+/-0.407 χ^2/NDF : 162125.0/17

All: 1721.320+/-0.289 χ^2/NDF : 563552.0/38

- sign 1739.718+/-0.411 χ^2/NDF : 397464.2/20

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

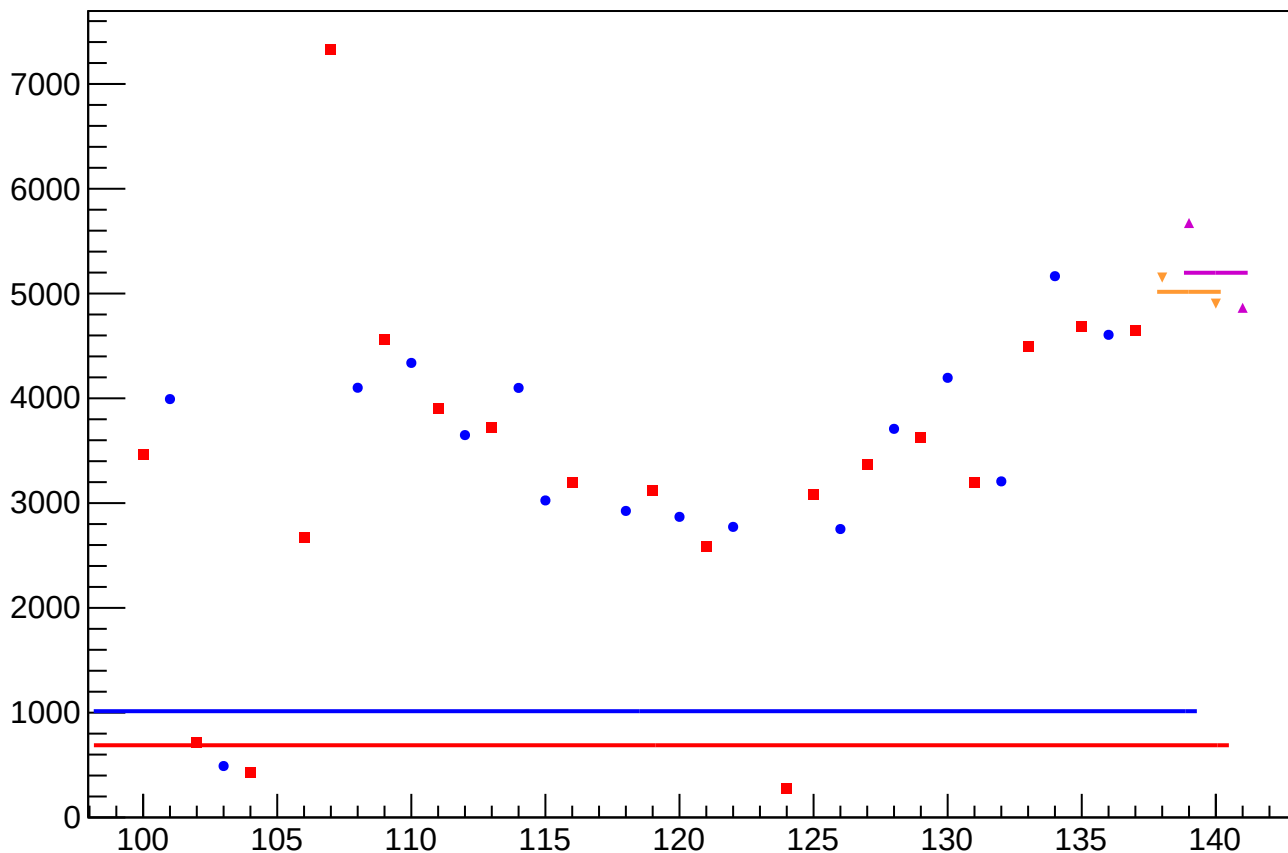
Left In: 1674.325 $\pm$ 3977.502 χ^2 /NDF: 0.1/1

+ sign 236.246 $\pm$ 573.265 χ^2 /NDF: 17.0/17

All: -259.219 $\pm$ 343.020 χ^2 /NDF: 35.7/38

- sign -535.552 $\pm$ 428.120 χ^2 /NDF: 17.6/20

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094 $\pm$ 0.410 χ^2/NDF : 8223017.6/15

Left Out: 5016.468 $\pm$ 2.803 χ^2/NDF :1954.3/1

Right Out: 689.055 $\pm$ 0.304 χ^2/NDF : 8910364.4/18

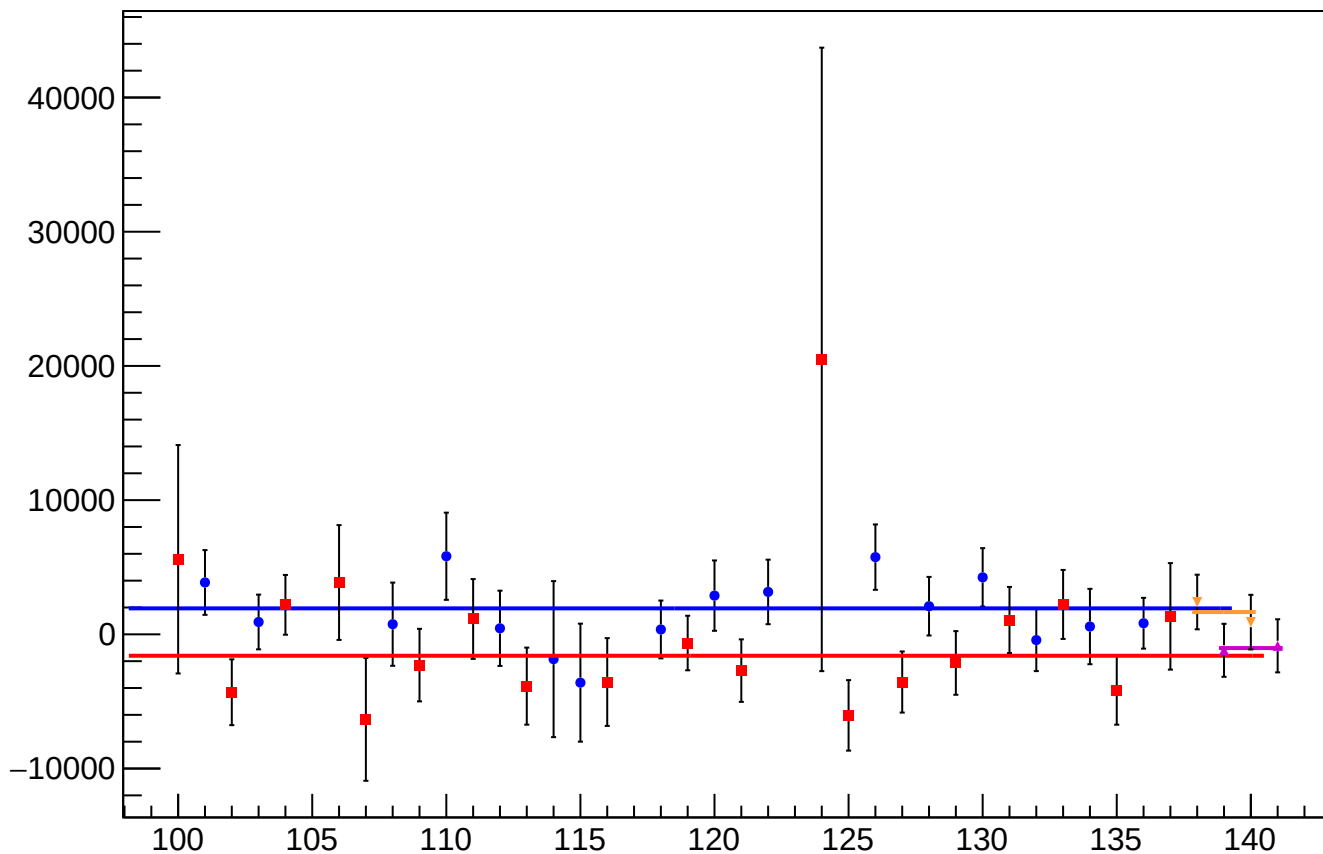
Left In: 5198.359 $\pm$ 2.813 χ^2/NDF :20064.9/1

+ sign 1097.817 $\pm$ 0.405 χ^2/NDF : 10221600.4/17

All: 868.944 $\pm$ 0.243 χ^2/NDF : 22189401.4/38

- sign 741.296 $\pm$ 0.303 χ^2/NDF : 11471211.7/20

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF : 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF : 0.3/1

Right Out: -1595.521+/-642.212 χ^2/NDF : 19.4/18

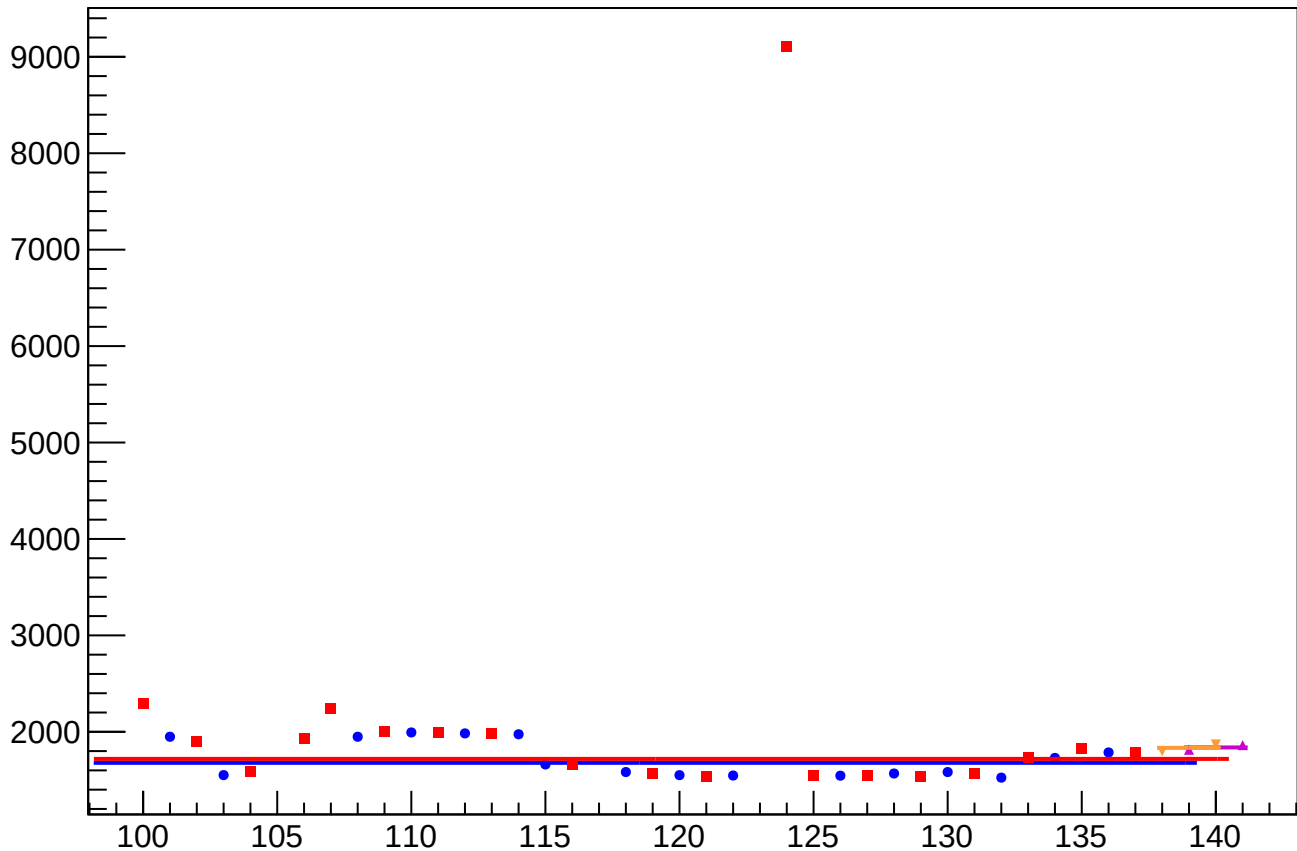
Left In: -1023.162+/-1397.568 χ^2/NDF : 0.0/1

+ sign 1890.736+/-575.483 χ^2/NDF : 11.2/17

All: 221.070+/-409.750 χ^2/NDF : 47.8/38

- sign -1495.733+/-583.549 χ^2/NDF : 19.5/20

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF : 1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

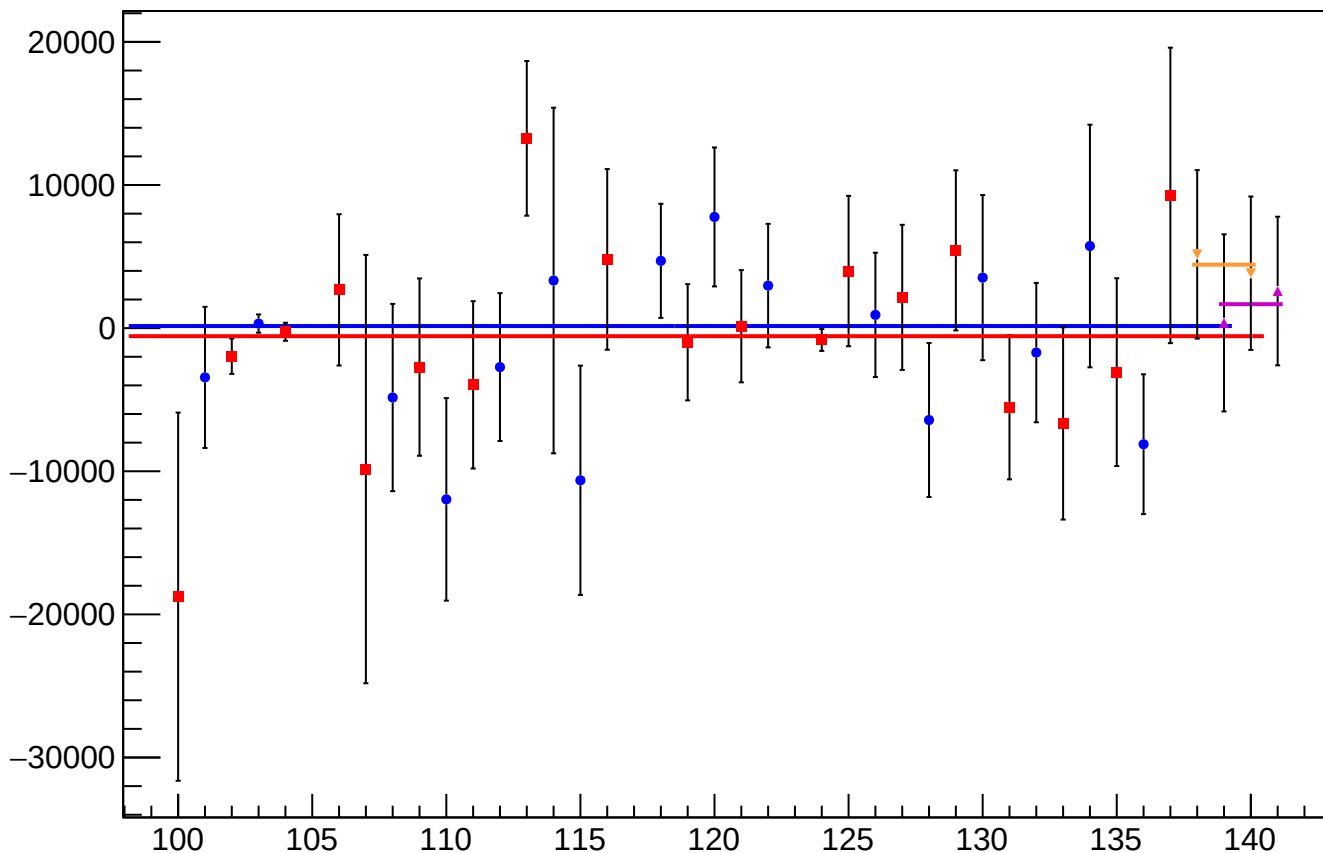
Left In: 1837.971+/-0.988 χ^2/NDF : 587.2/1

+ sign 1703.300+/-0.407 χ^2/NDF : 162125.0/17

All: 1721.320+/-0.289 χ^2/NDF : 563552.0/38

- sign 1739.718+/-0.411 χ^2/NDF : 397464.2/20

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

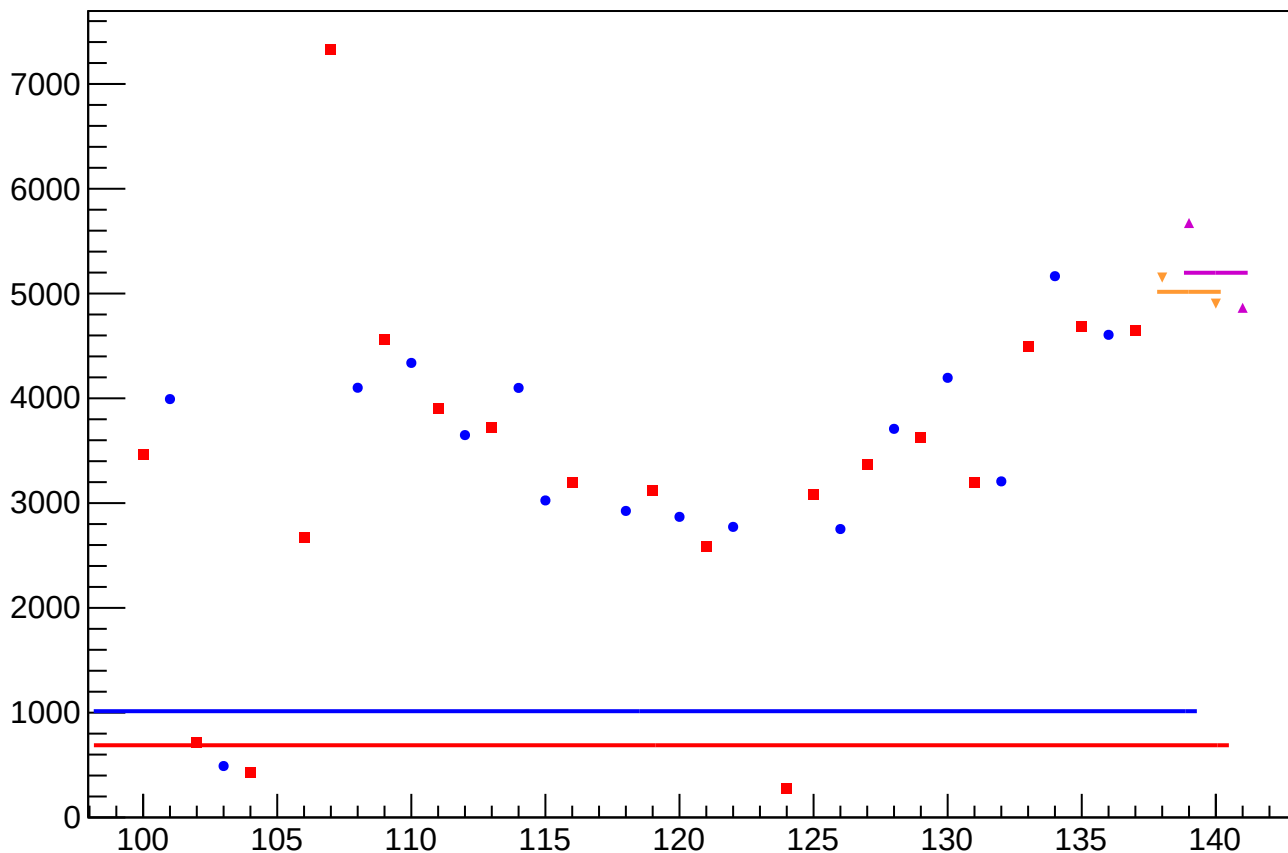
Left In: 1674.325 $\pm$ 3977.502 χ^2 /NDF: 0.1/1

+ sign 236.246 $\pm$ 573.265 χ^2 /NDF: 17.0/17

All: -259.219 $\pm$ 343.020 χ^2 /NDF: 35.7/38

- sign -535.552 $\pm$ 428.120 χ^2 /NDF: 17.6/20

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF : 8223017.6/15

Left Out: 5016.468+/-2.803 χ^2/NDF : 1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF : 8910364.4/18

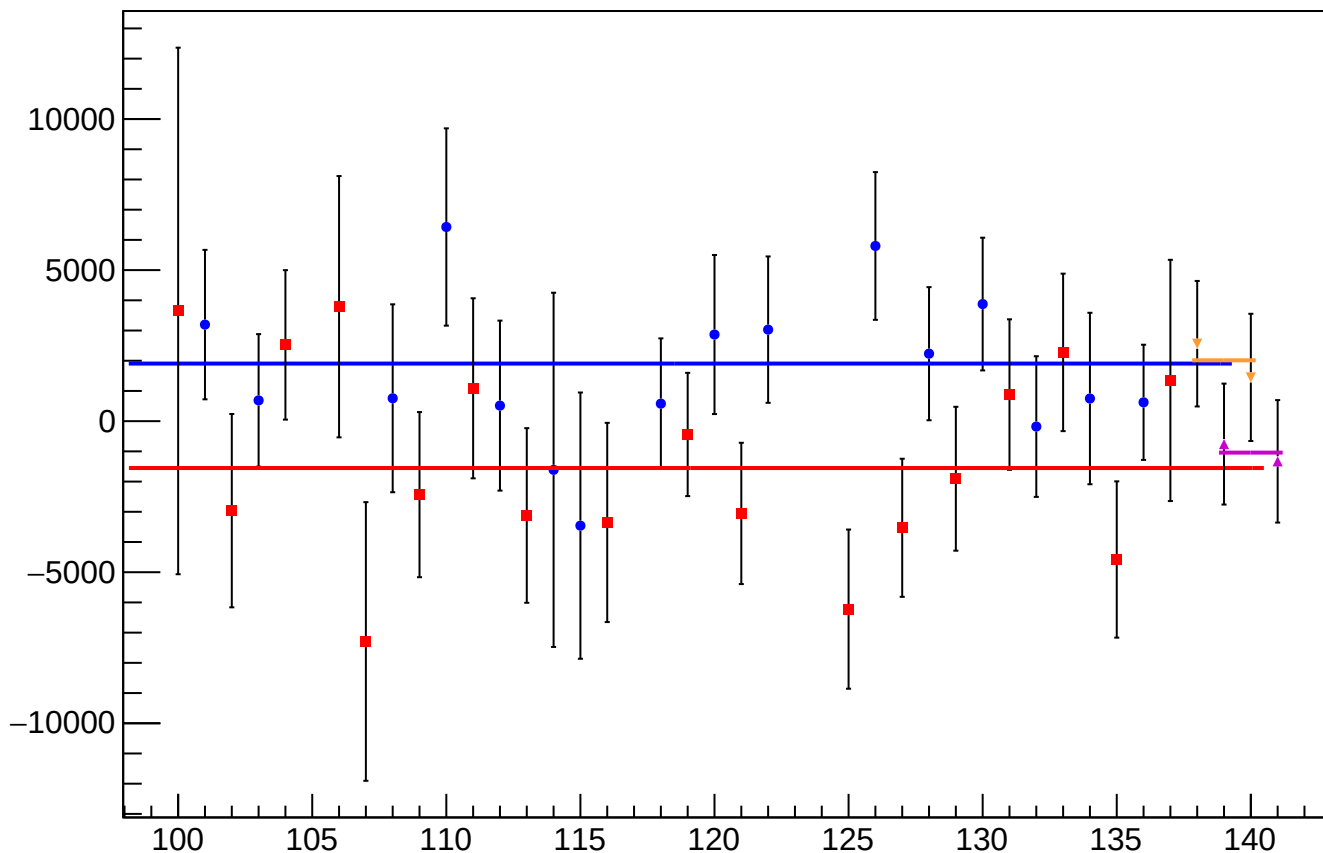
Left In: 5198.359+/-2.813 χ^2/NDF : 20064.9/1

+ sign 1097.817+/-0.405 χ^2/NDF : 10221600.4/17

All: 868.944+/-0.243 χ^2/NDF : 22189401.4/38

- sign 741.296+/-0.303 χ^2/NDF : 11471211.7/20

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

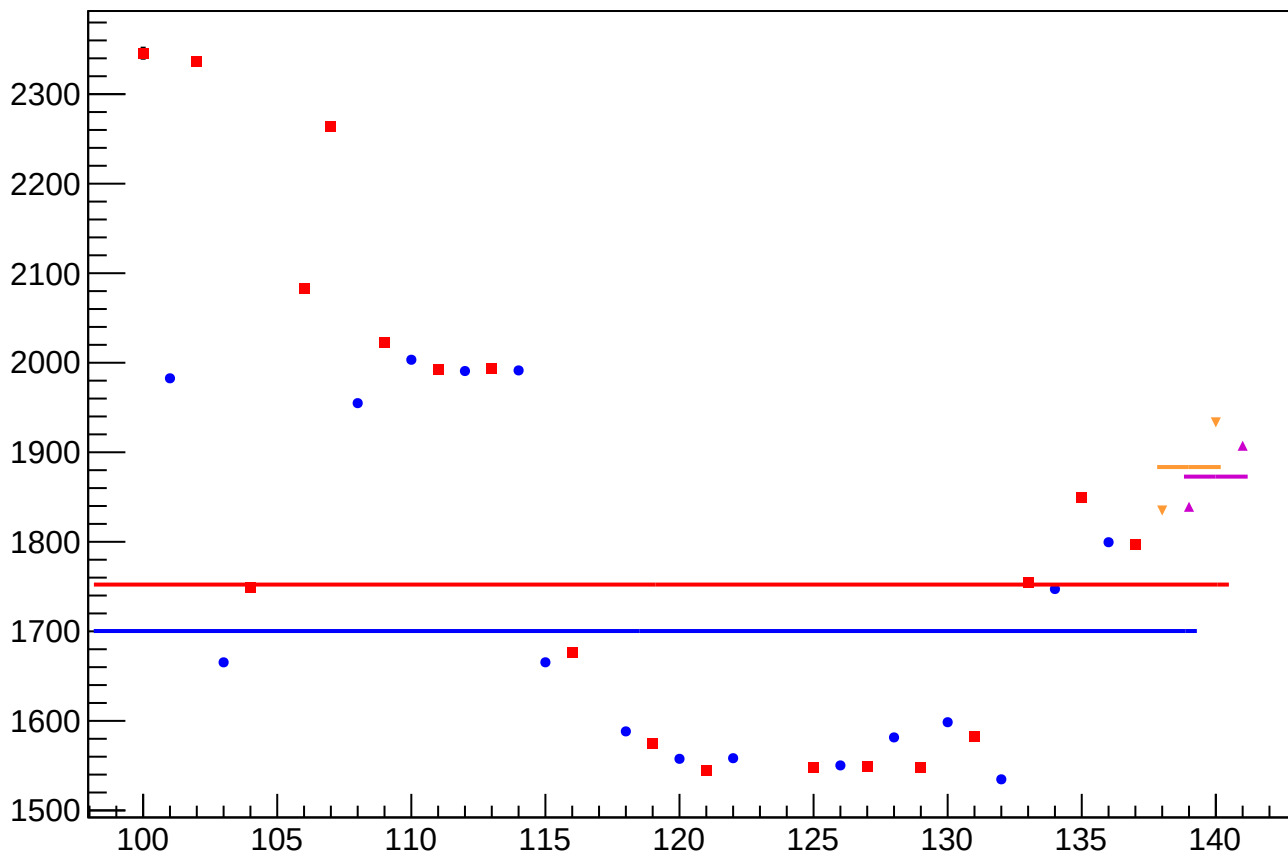
Left In: -1040.808 $\pm$ 1424.394 χ^2 /NDF:0.0/1

+ sign 1923.045 $\pm$ 584.592 χ^2 /NDF: 10.4/17

All: 274.184 $\pm$ 418.583 χ^2 /NDF: 44.3/37

- sign -1460.575 $\pm$ 599.626 χ^2 /NDF: 17.6/19

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF : 135419.2/15

Left Out: 1883.500+/-1.046 χ^2/NDF : 2215.6/1

Right Out: 1752.239+/-0.466 χ^2/NDF : 247952.8/17

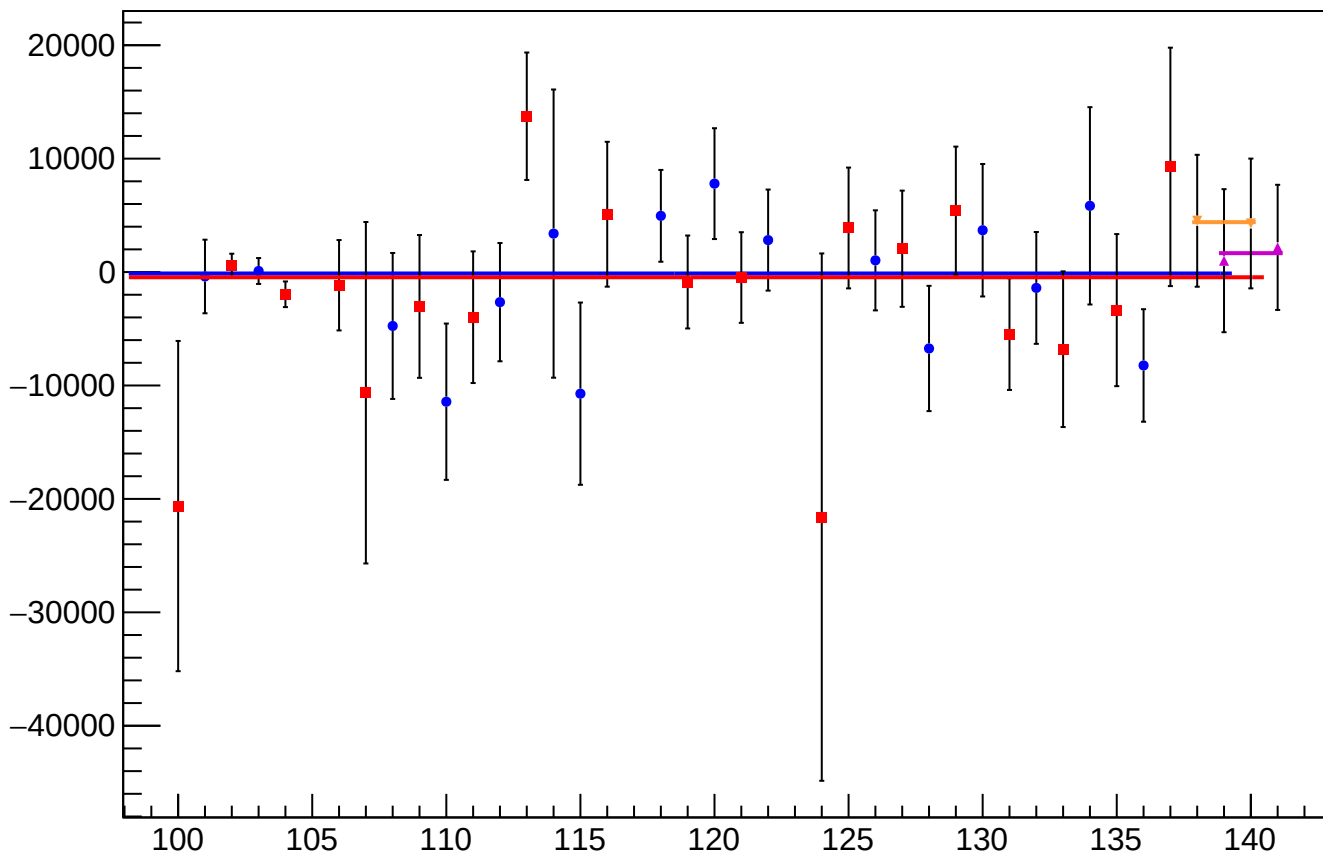
Left In: 1872.804+/-1.007 χ^2/NDF : 1145.1/1

+ sign 1728.978+/-0.413 χ^2/NDF : 163517.2/17

All: 1750.728+/-0.296 χ^2/NDF : 430084.2/37

- sign 1773.525+/-0.423 χ^2/NDF : 260897.0/19

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 χ^2/NDF : 0.0/1

Right Out: -459.431+/-679.157 χ^2/NDF : 18.5/18

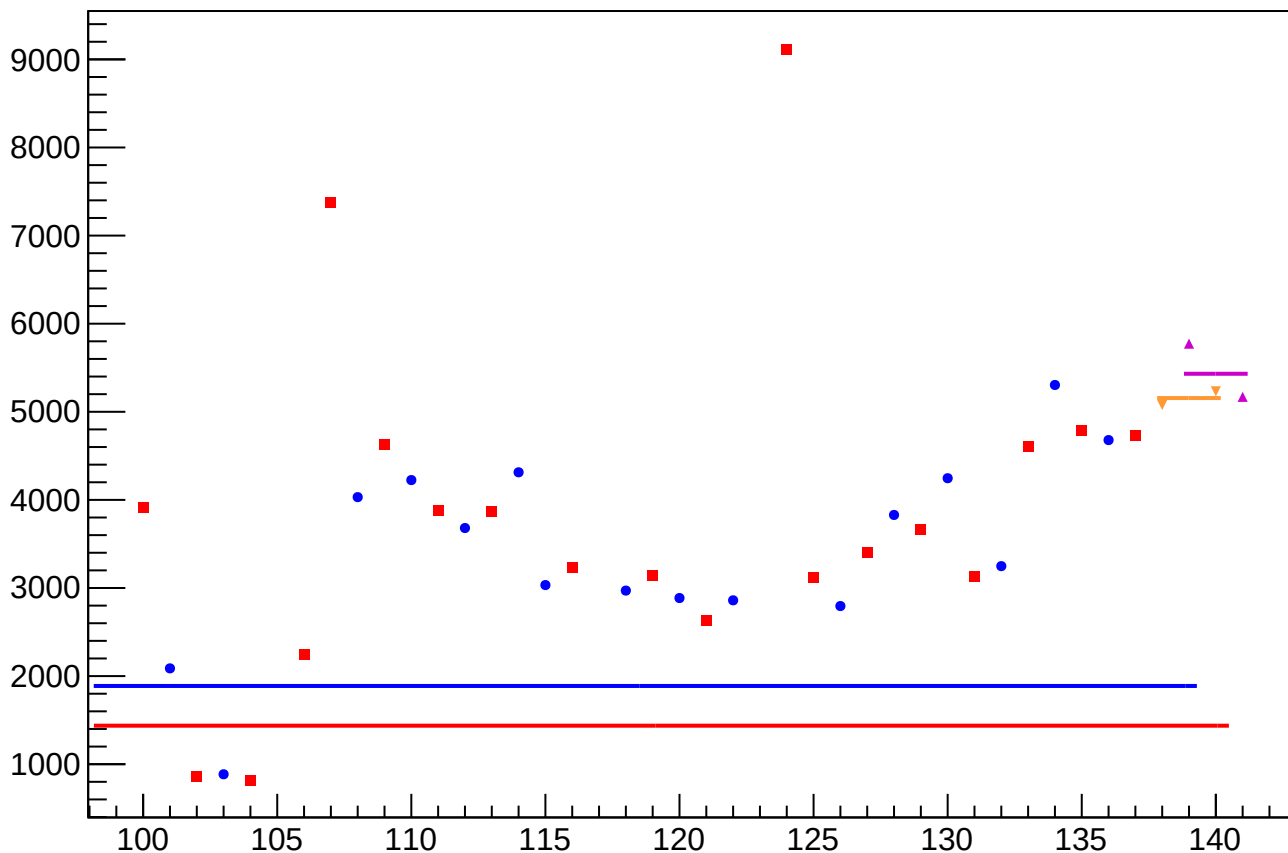
Left In: 1667.139+/-4151.791 χ^2/NDF : 0.0/1

+ sign 70.572+/-848.646 χ^2/NDF : 16.3/17

All: -221.701+/-525.987 χ^2/NDF : 35.2/38

- sign -404.009+/-670.248 χ^2/NDF : 18.8/20

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF : 4425691.6/15

Left Out: 5155.998+/-2.883 χ^2/NDF : 723.9/1

Right Out: 1437.108+/-0.480 χ^2/NDF : 5964193.5/18

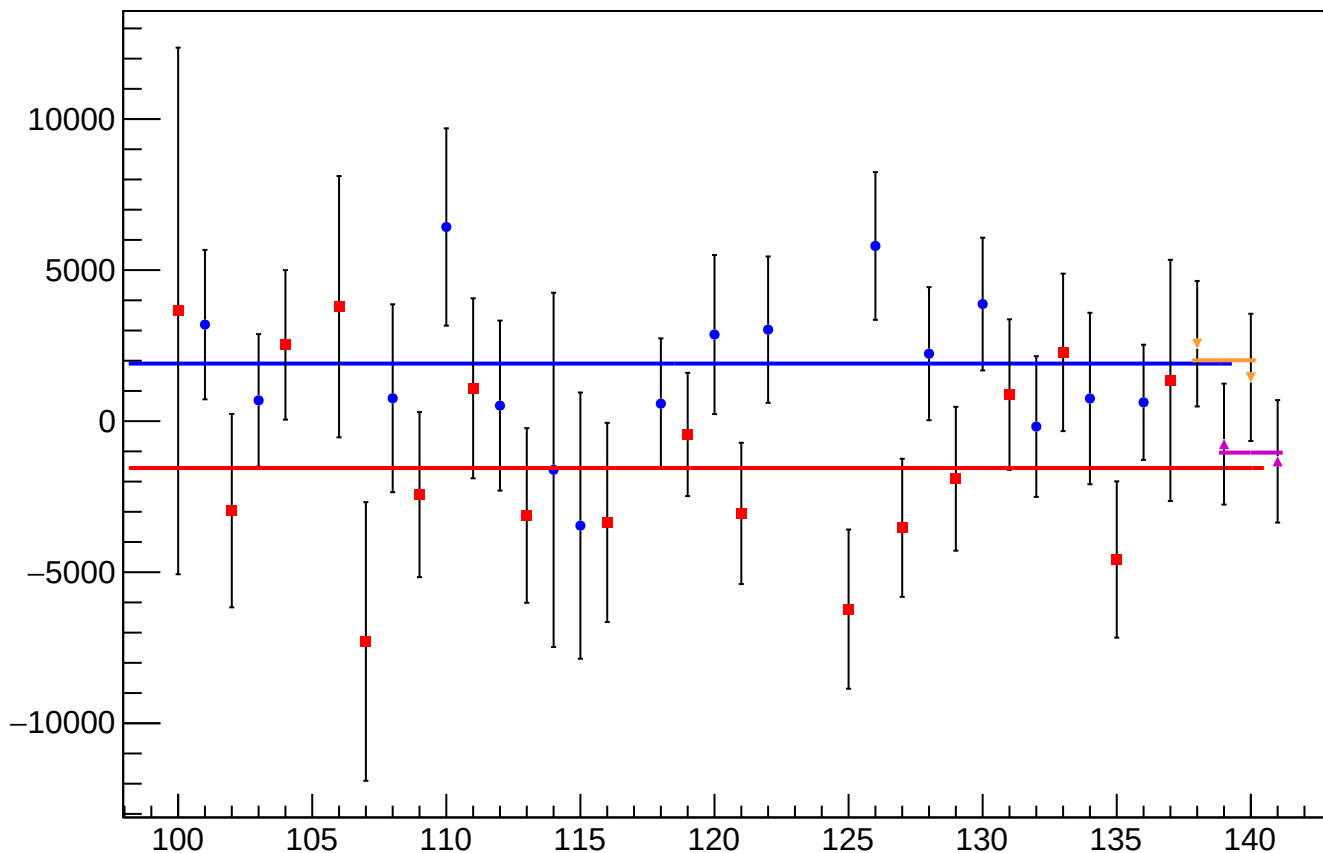
Left In: 5431.582+/-2.936 χ^2/NDF : 10384.8/1

+ sign 2029.556+/-0.600 χ^2/NDF : 5655438.7/17

All: 1728.806+/-0.372 χ^2/NDF : 13840933.5/3

- sign 1541.210+/-0.474 χ^2/NDF : 7777636.2/20

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

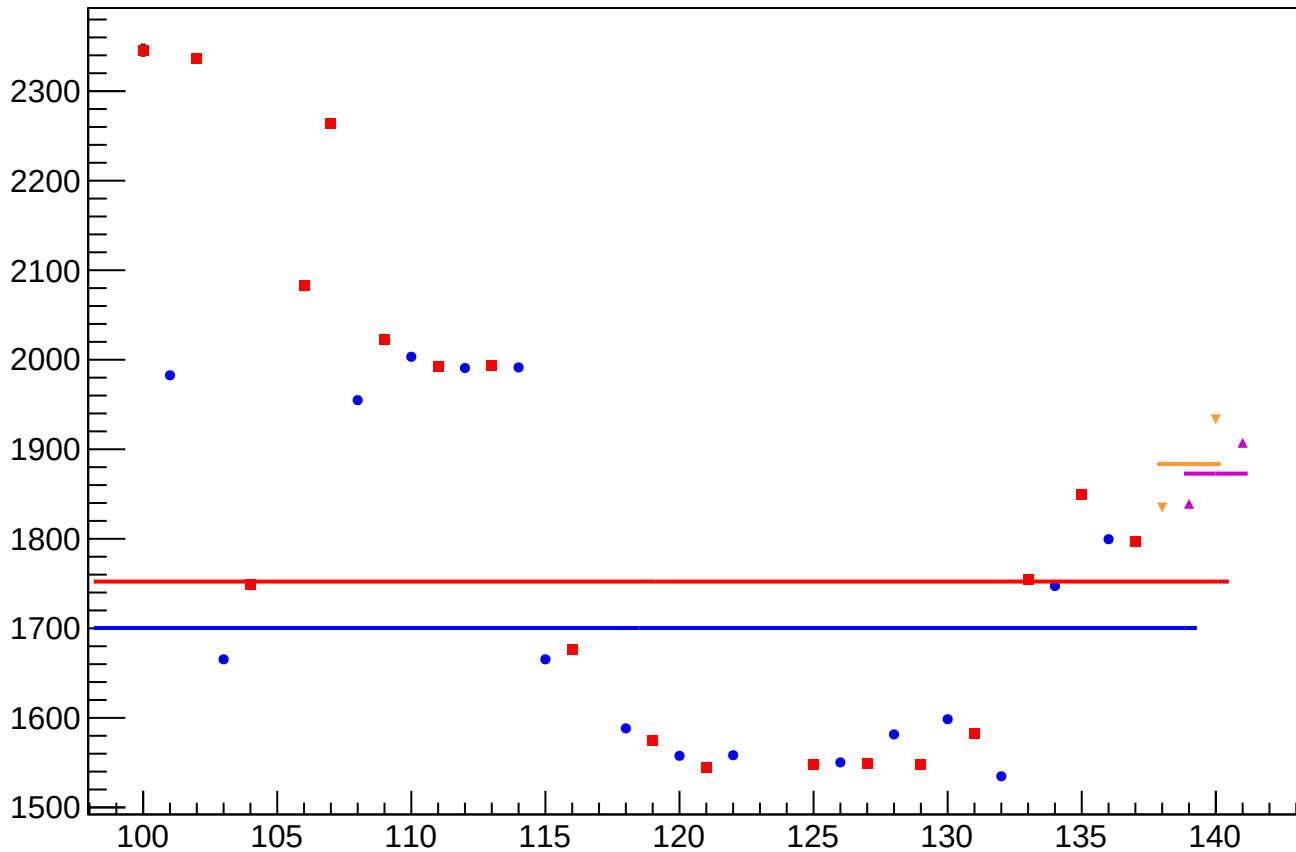
Left In: -1040.805 $\pm$ 1424.395 χ^2 /NDF:0.0/1

+ sign 1923.046 $\pm$ 584.592 χ^2 /NDF: 10.4/17

All: 274.186 $\pm$ 418.583 χ^2 /NDF: 44.3/37

- sign -1460.572 $\pm$ 599.626 χ^2 /NDF: 17.6/19

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF : 135419.5/15

Left Out: 1883.501+/-1.046 χ^2/NDF : 2215.6/1

Right Out: 1752.238+/-0.466 χ^2/NDF : 247952.3/17

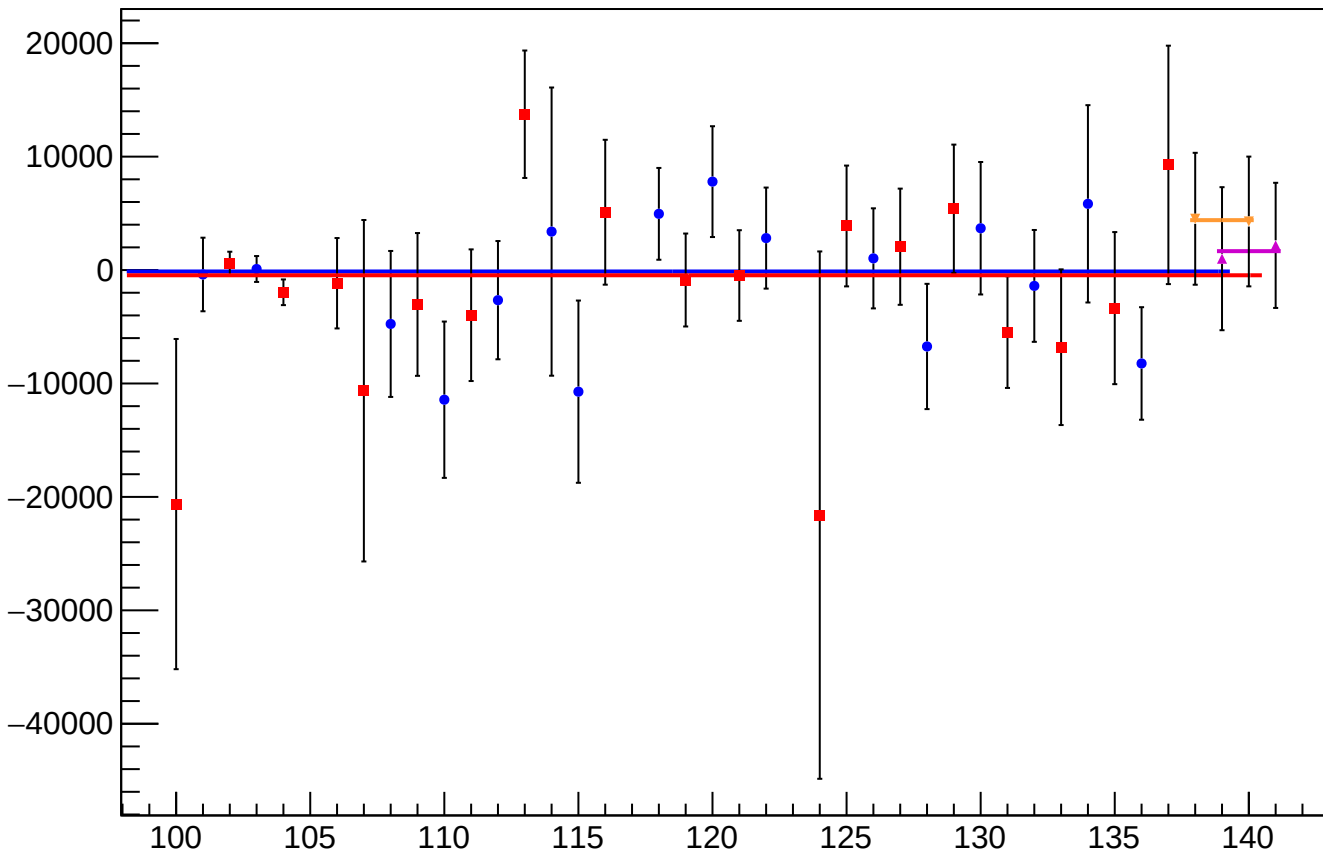
Left In: 1872.805+/-1.007 χ^2/NDF : 1145.1/1

+ sign 1728.978+/-0.413 χ^2/NDF : 163517.7/17

All: 1750.728+/-0.296 χ^2/NDF : 430084.5/37

- sign 1773.524+/-0.423 χ^2/NDF : 260896.8/19

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464+/-867.639 χ^2/NDF : 15.1/15

Left Out: 4400.332+/-4077.578 $\chi^2/\text{NDF}:0.0/1$

Right Out: -459.430 ± 679.152 χ^2/NDF : 18.5/18

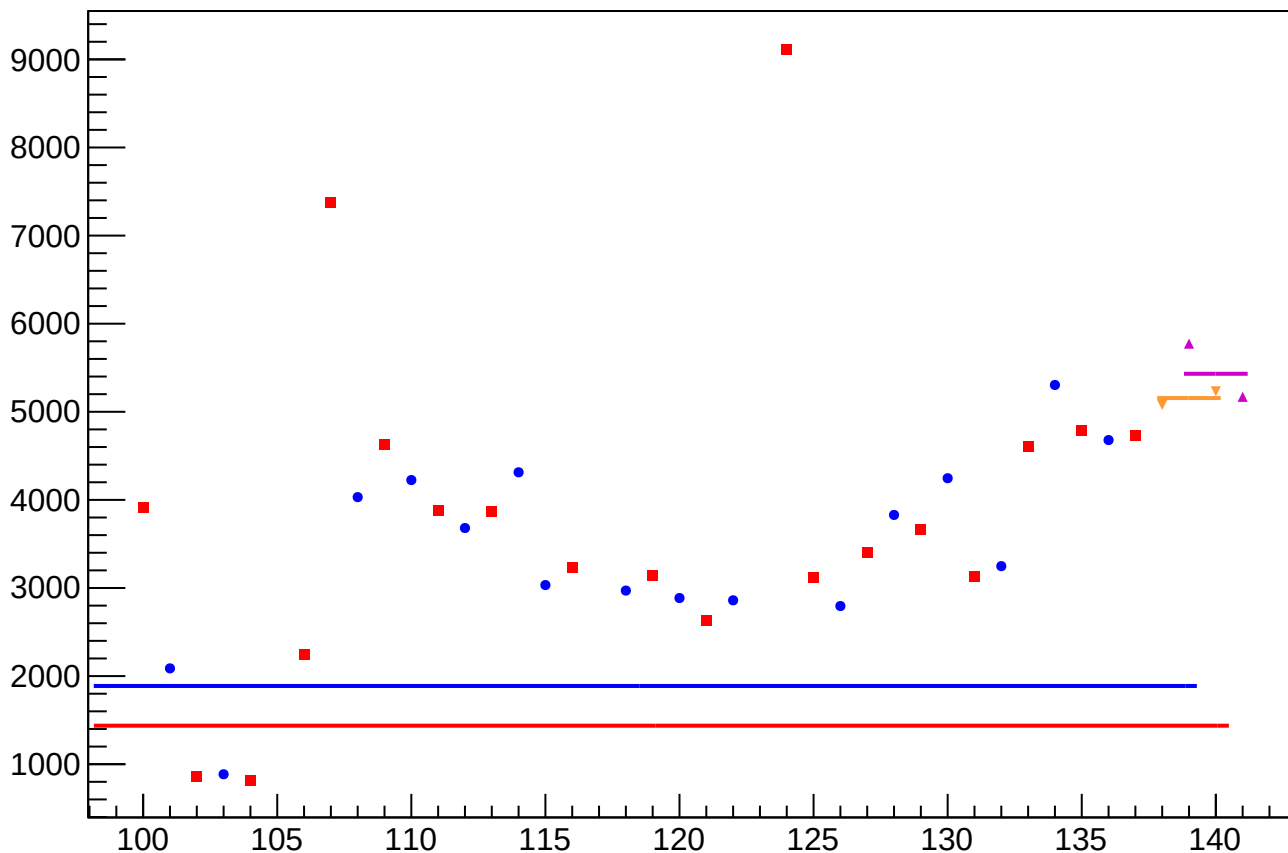
Left In: 1667.141+/-4151.801 χ^2/NDF :0.0/1

+ sign 70.573+/-848.640 χ^2 /NDF: 16.3/17

All: -221.700 ± 525.983 χ^2/NDF : 35.2/38

- sign -404.009+/-670.244 χ^2/NDF : 18.8/20

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF : 4425728.6/15

Left Out: 5156.011+/-2.883 χ^2/NDF : 723.8/1

Right Out: 1437.095+/-0.480 χ^2/NDF : 5964228.2/18

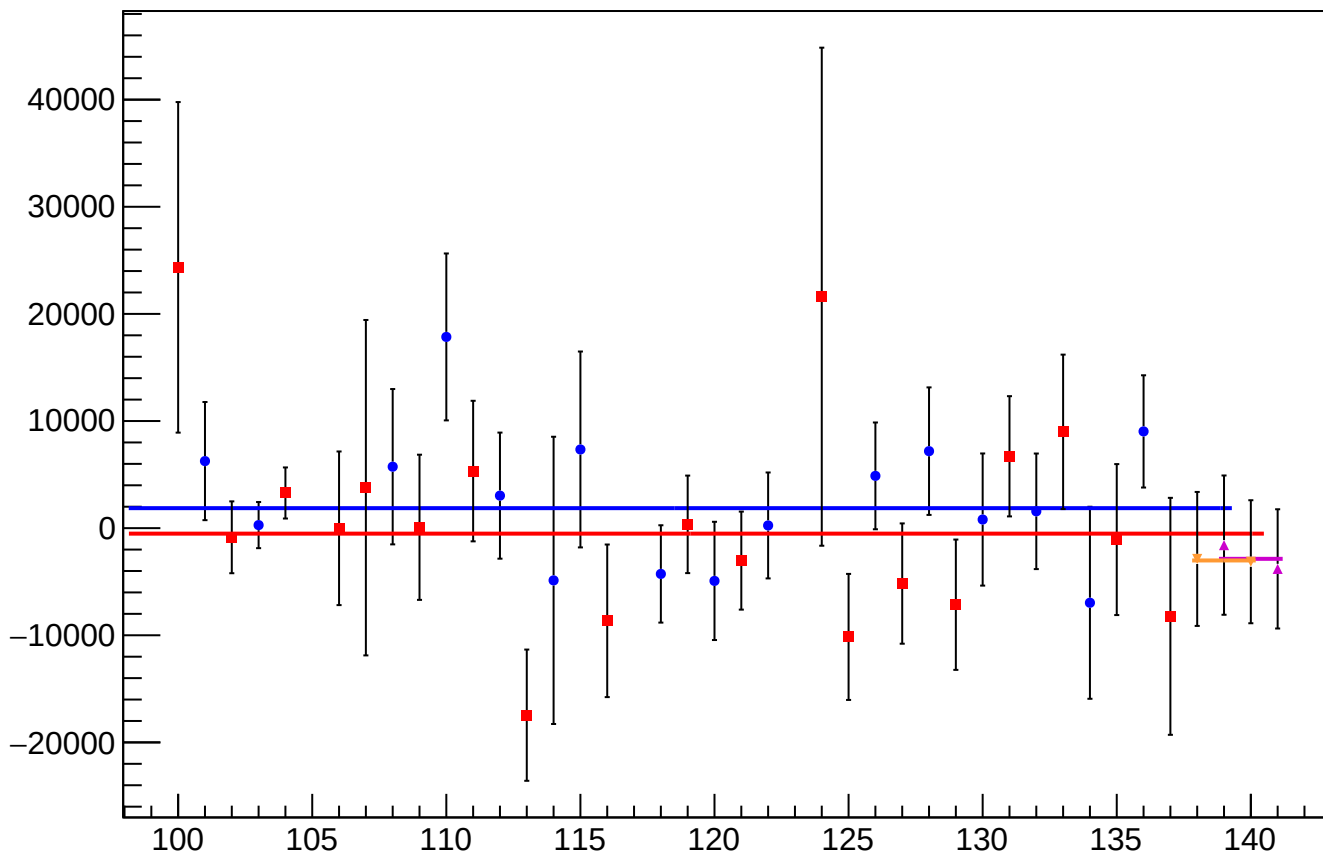
Left In: 5431.594+/-2.936 χ^2/NDF : 10385.2/1

+ sign 2029.538+/-0.600 χ^2/NDF : 5655492.5/17

All: 1728.790+/-0.372 χ^2/NDF : 13841038.9/3

- sign 1541.195+/-0.474 χ^2/NDF : 7777687.1/20

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

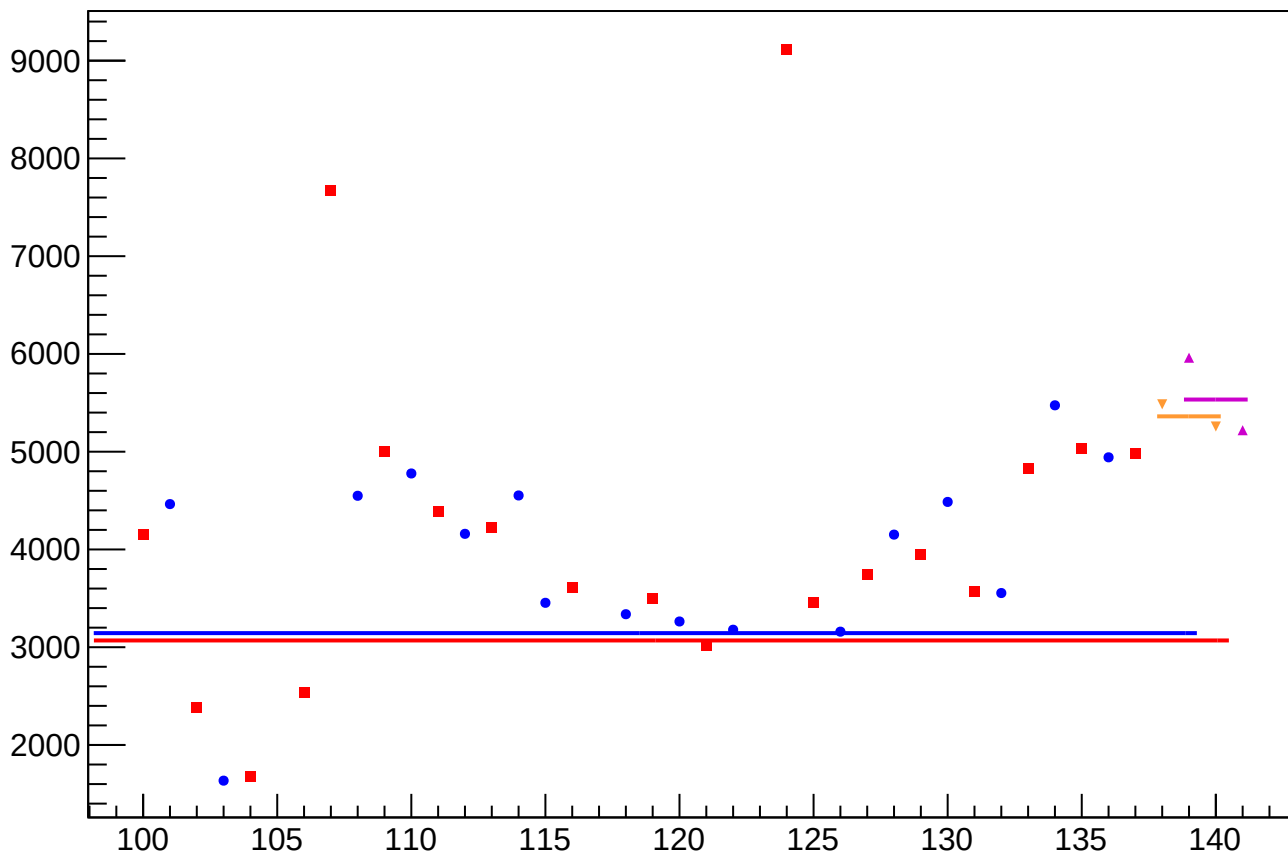
Left In: -2864.428 $\pm$ 4227.968 χ^2 /NDF: 0.1/1

+ sign 1469.146 $\pm$ 1206.845 χ^2 /NDF: 15.0/17

All: 370.830 $\pm$ 847.789 χ^2 /NDF: 41.7/38

- sign -699.225 $\pm$ 1191.218 χ^2 /NDF: 25.0/20

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF : 1883139.2/15

Left Out: 5361.494+/-2.991 χ^2/NDF :1431.1/1

Right Out: 3069.098+/-0.864 χ^2/NDF : 1881644.6/18

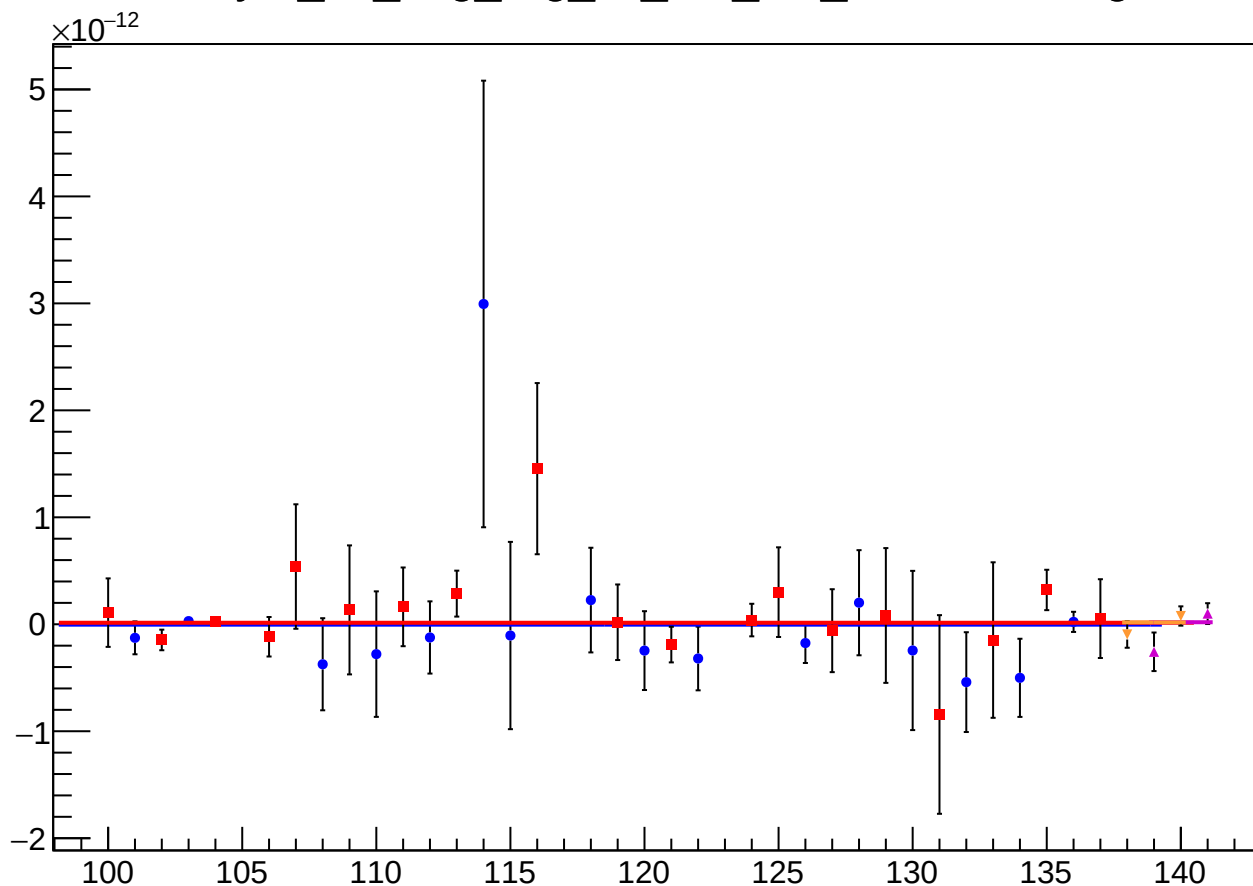
Left In: 5533.560+/-2.990 χ^2/NDF :15023.7/1

+ sign 3324.646+/-0.853 χ^2/NDF : 2389451.3/17

All: 3290.997+/-0.595 χ^2/NDF : 4916276.3/38

- sign 3259.148+/-0.830 χ^2/NDF : 2523798.6/20

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.7/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.9/18

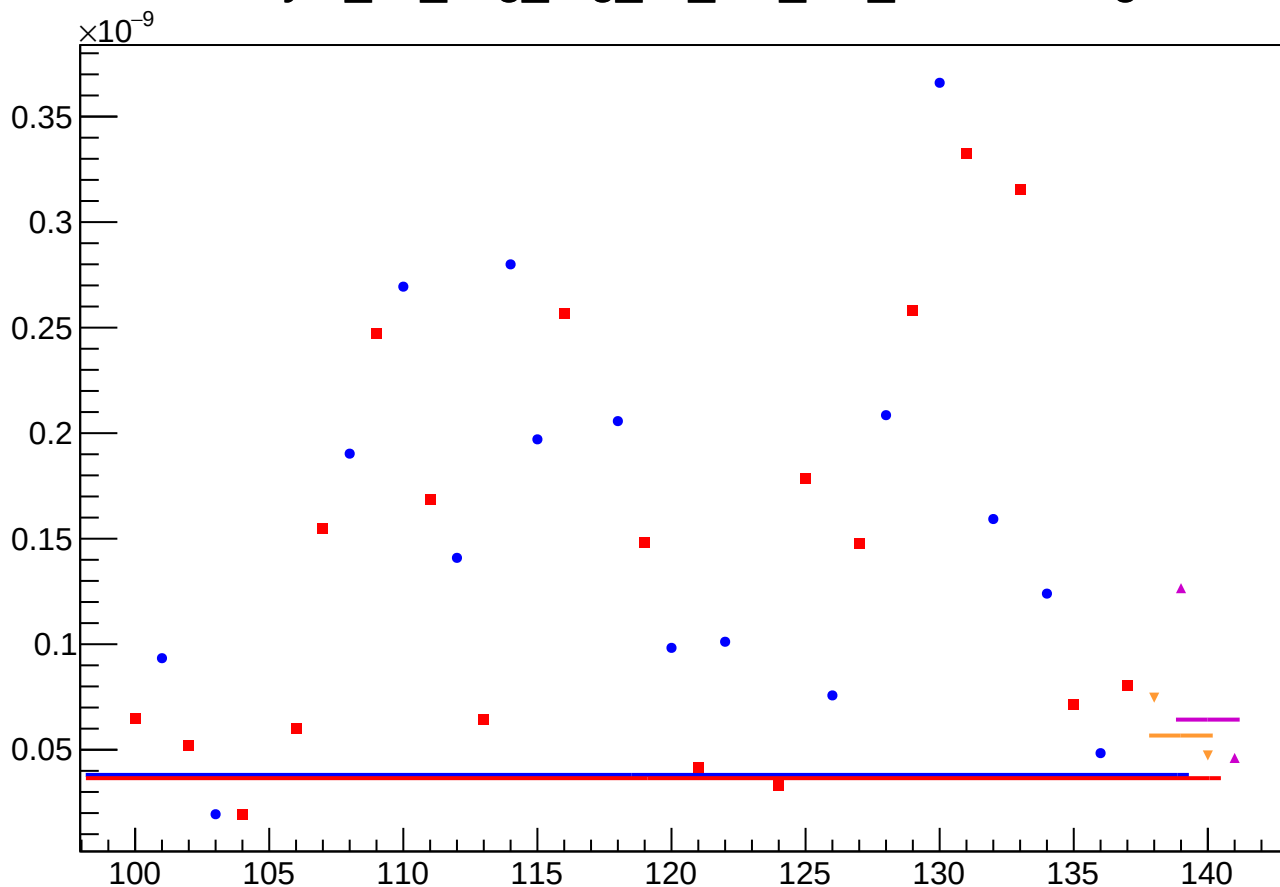
Left In: 0.000 ± 0.000 χ^2/NDF : 3.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 12.0/17

All: 0.000 ± 0.000 χ^2/NDF : 30.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 18.0/20

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

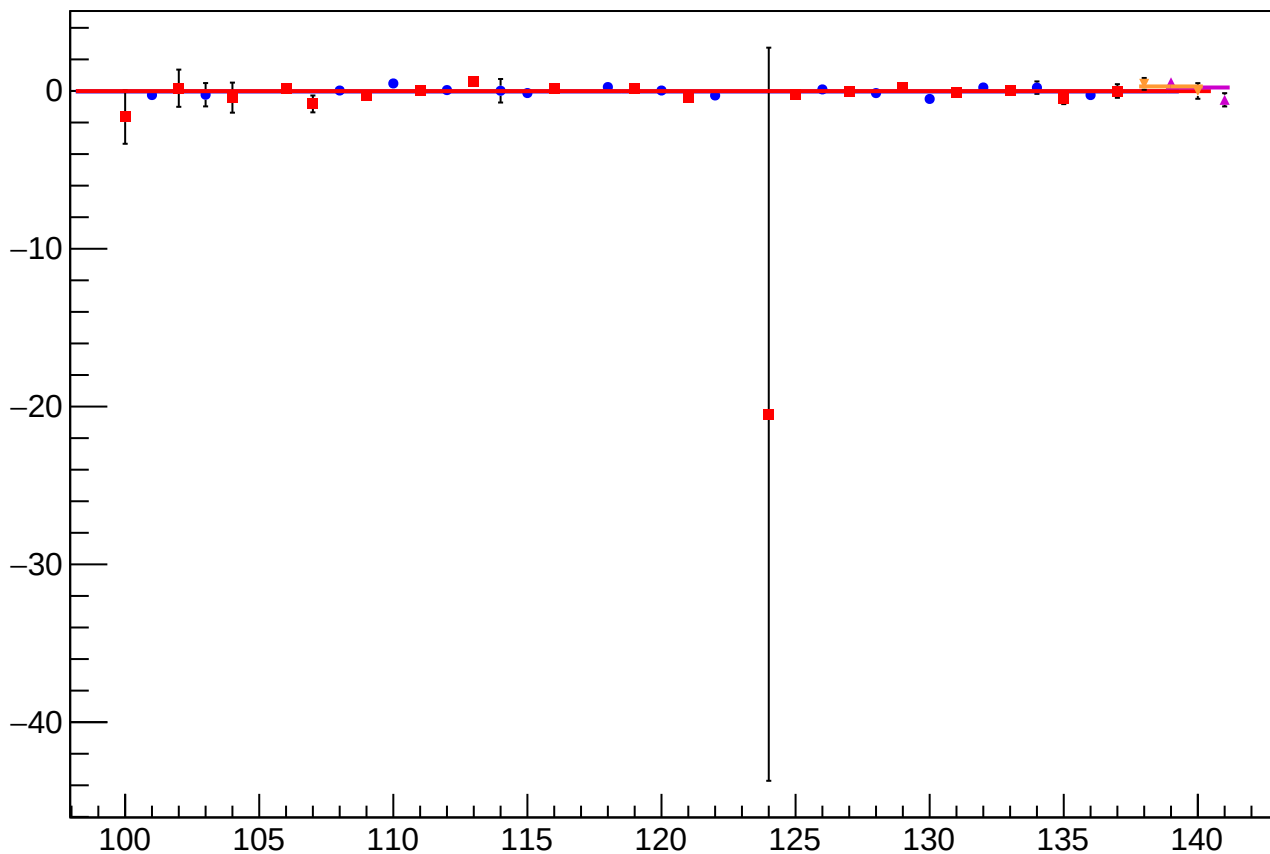
Left In: 0.000+/-0.000 χ^2/NDF : 308522.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 3059137.9/17

All: 0.000+/-0.000 χ^2/NDF : 6236562.4/38

- sign 0.000+/-0.000 χ^2/NDF : 3175438.4/20

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 $\pm$ 0.058 χ^2 /NDF: 17.2/15

Left Out: 0.286 $\pm$ 0.299 χ^2 /NDF: 0.5/1

Right Out: -0.011 $\pm$ 0.057 χ^2 /NDF: 21.8/18

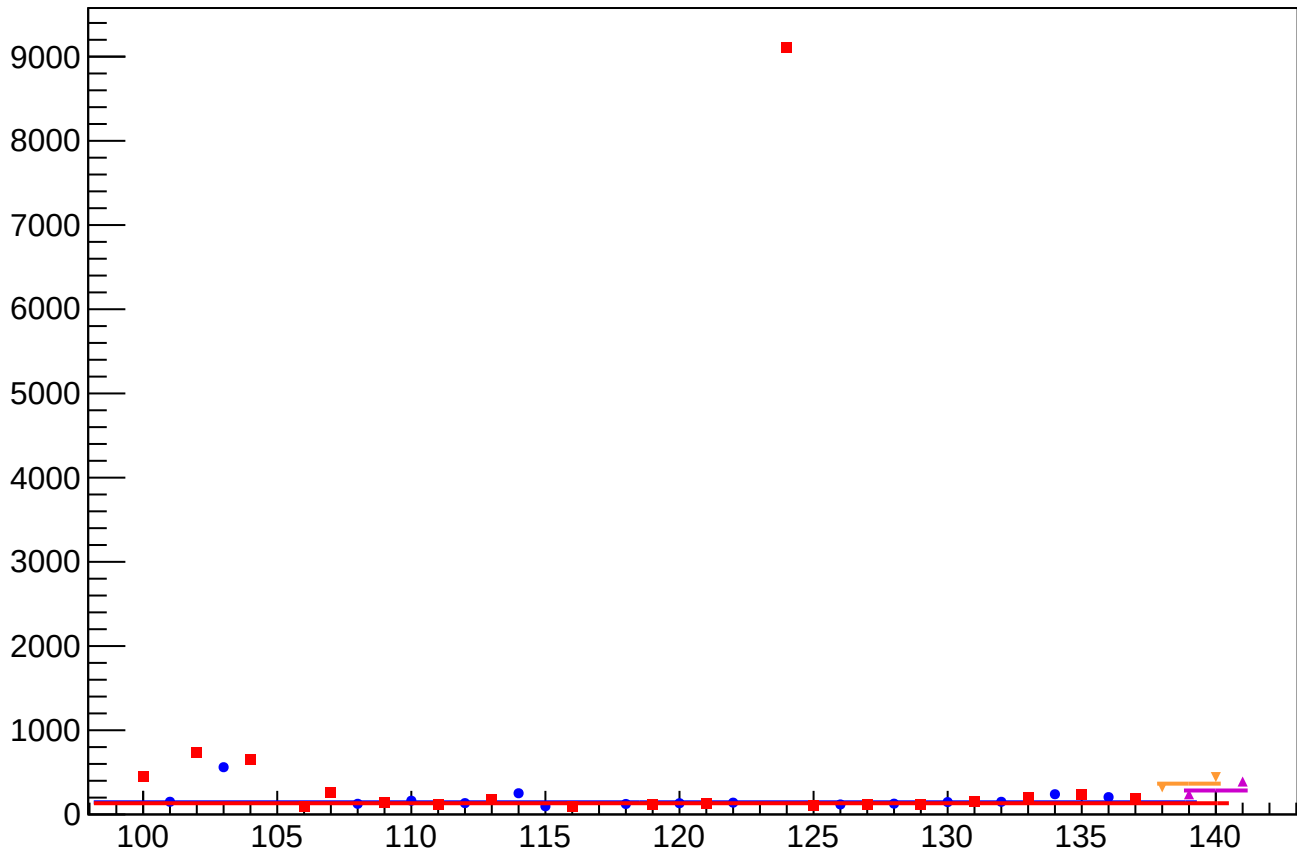
Left In: 0.220 $\pm$ 0.229 χ^2 /NDF: 4.9/1

+ sign -0.017 $\pm$ 0.057 χ^2 /NDF: 18.8/17

All: -0.007 $\pm$ 0.039 χ^2 /NDF: 46.5/38

- sign 0.003 $\pm$ 0.055 χ^2 /NDF: 27.6/20

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

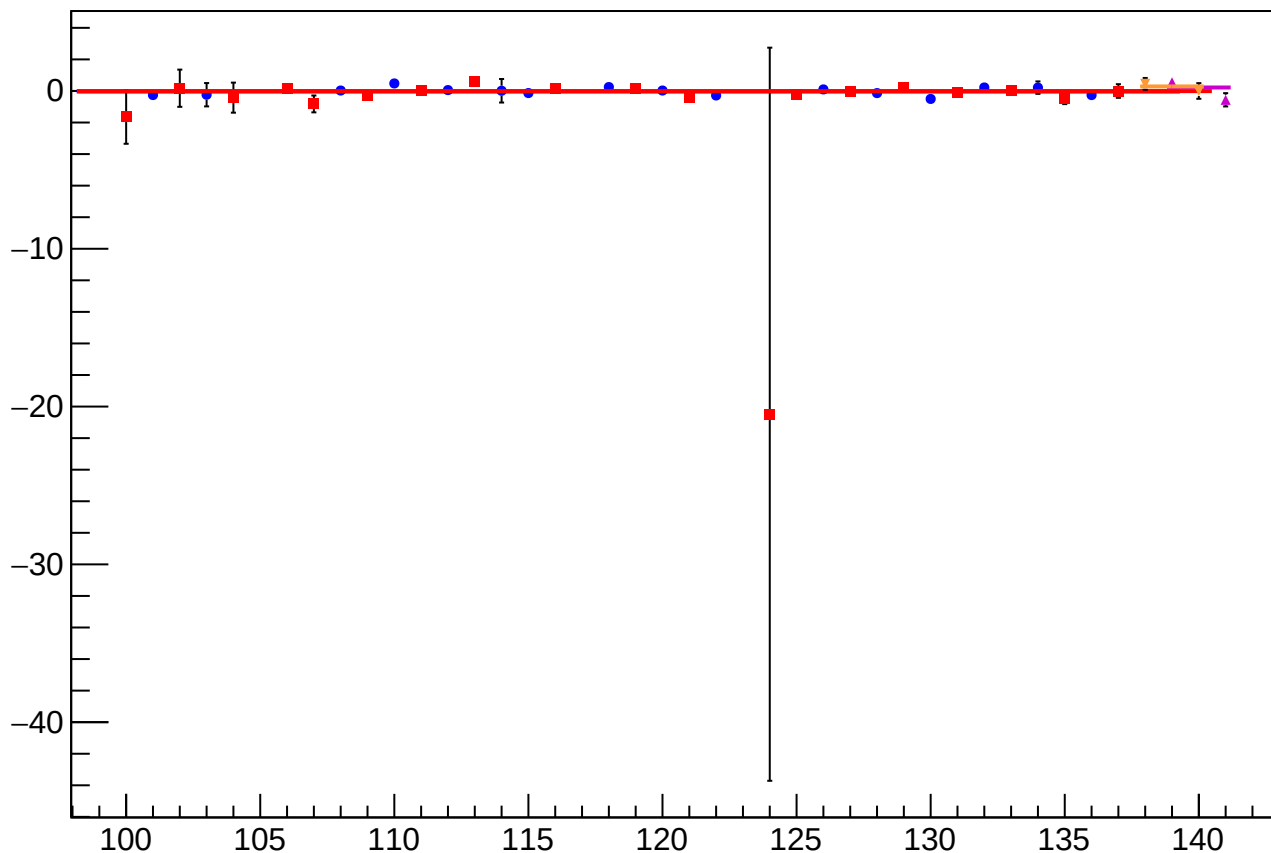
Left In: 284.610 $\pm$ 0.162 χ^2 /NDF: 181981.3/1

+ sign 152.289 $\pm$ 0.040 χ^2 /NDF: 2265767.7/17

All: 146.940 $\pm$ 0.028 χ^2 /NDF: 5526562.8/38

- sign 141.945 $\pm$ 0.039 χ^2 /NDF: 3226465.0/20

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

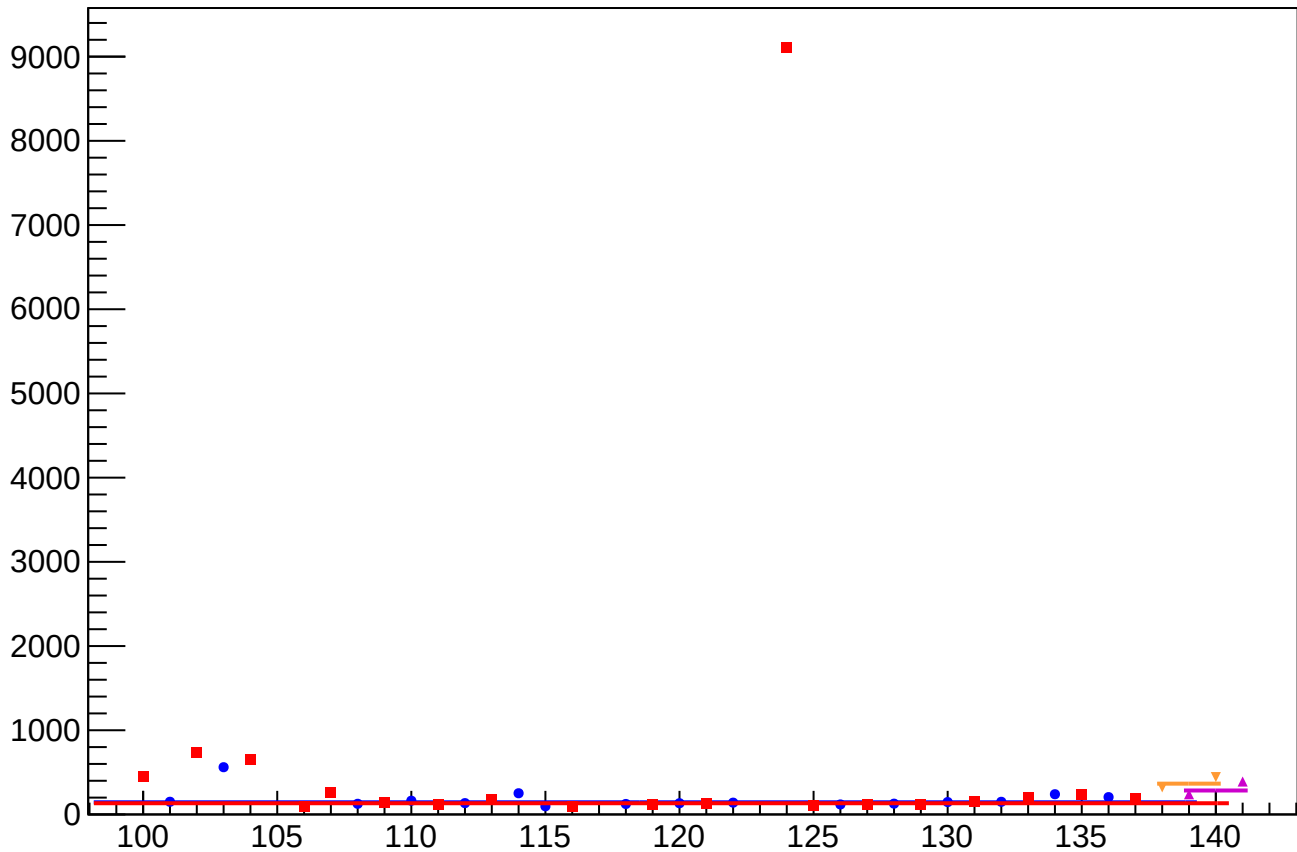
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.007 ± 0.039 χ^2/NDF : 46.5/38

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF : 1128779.2/15

Left Out: 365.839+/-0.211 χ^2/NDF : 77209.8/1

Right Out: 133.253+/-0.040 χ^2/NDF : 2220645.6/18

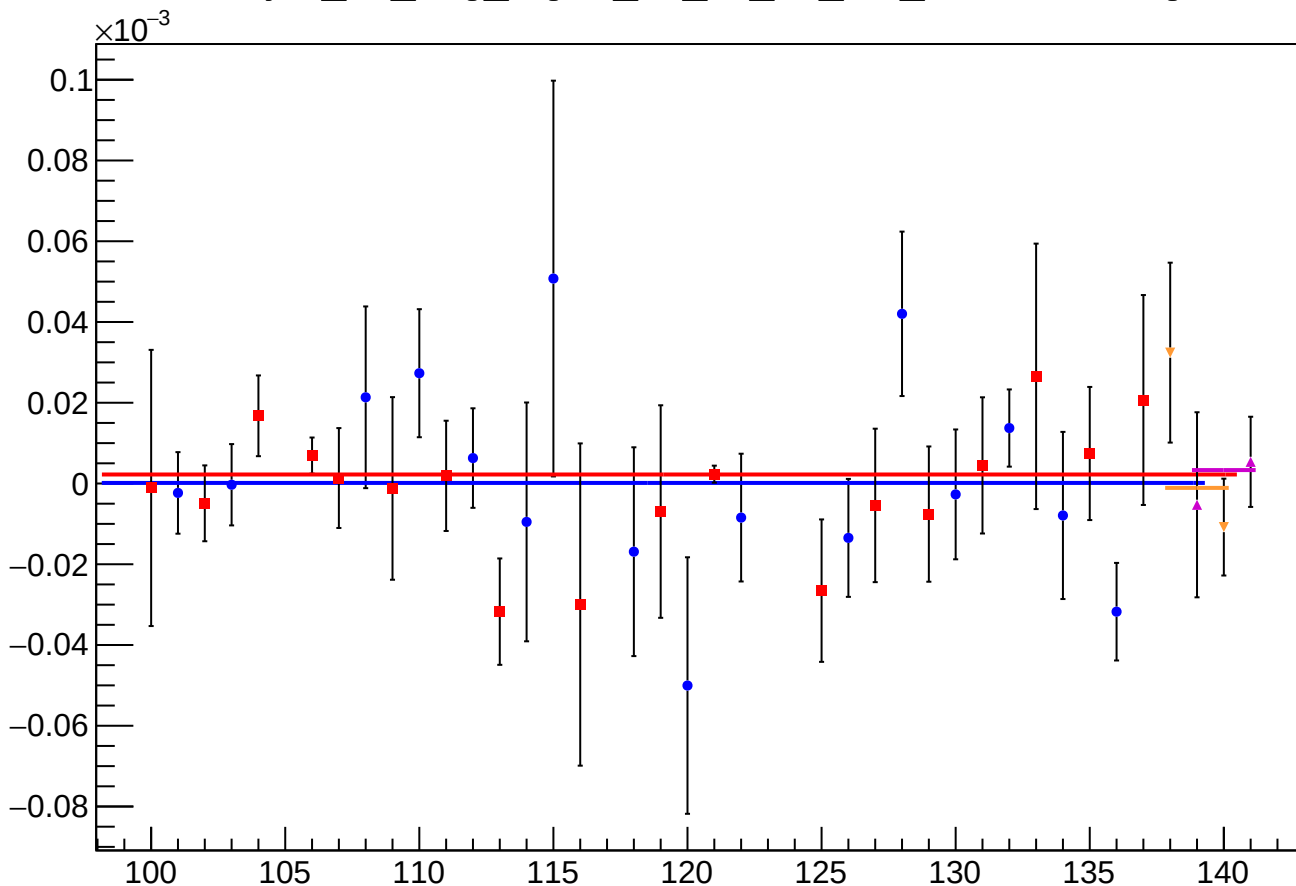
Left In: 284.610+/-0.162 χ^2/NDF : 181981.3/1

+ sign 152.289+/-0.040 χ^2/NDF : 2265767.7/17

All: 146.940+/-0.028 χ^2/NDF : 5526562.8/38

- sign 141.945+/-0.039 χ^2/NDF : 3226465.0/20

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

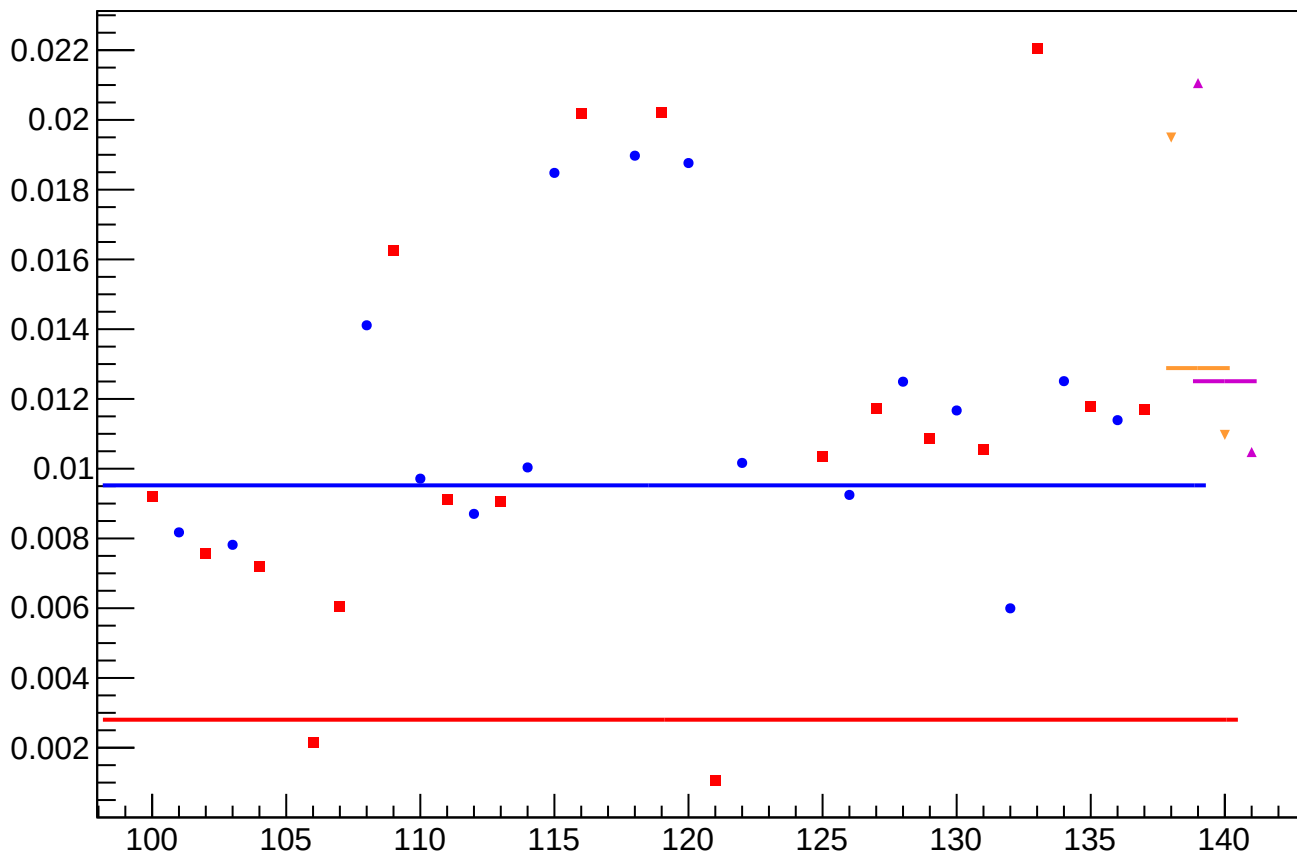
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/19

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

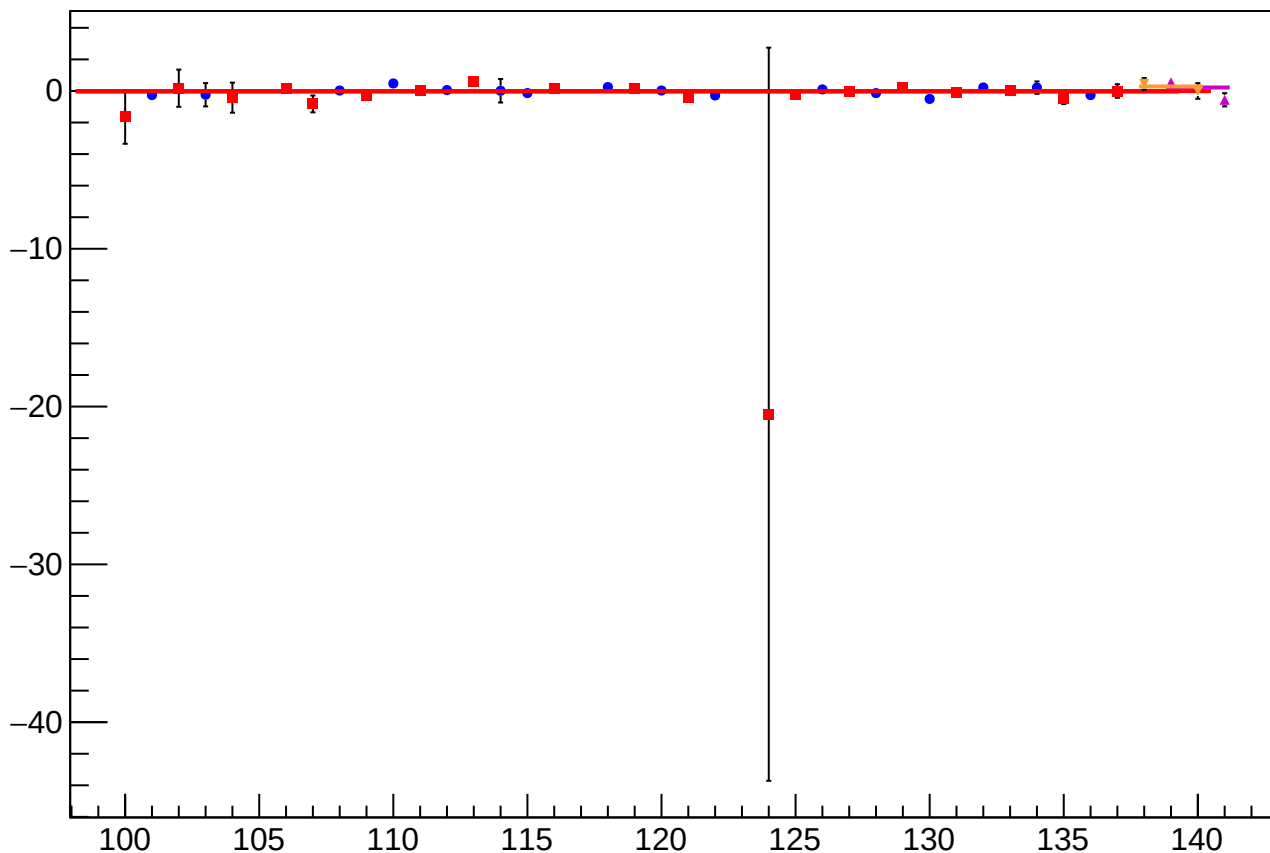
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:344325.0/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1540106.7/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 18334212.5/37

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10728742.7/19

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: 0.286 ± 0.299 χ^2/NDF : 0.5/1

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

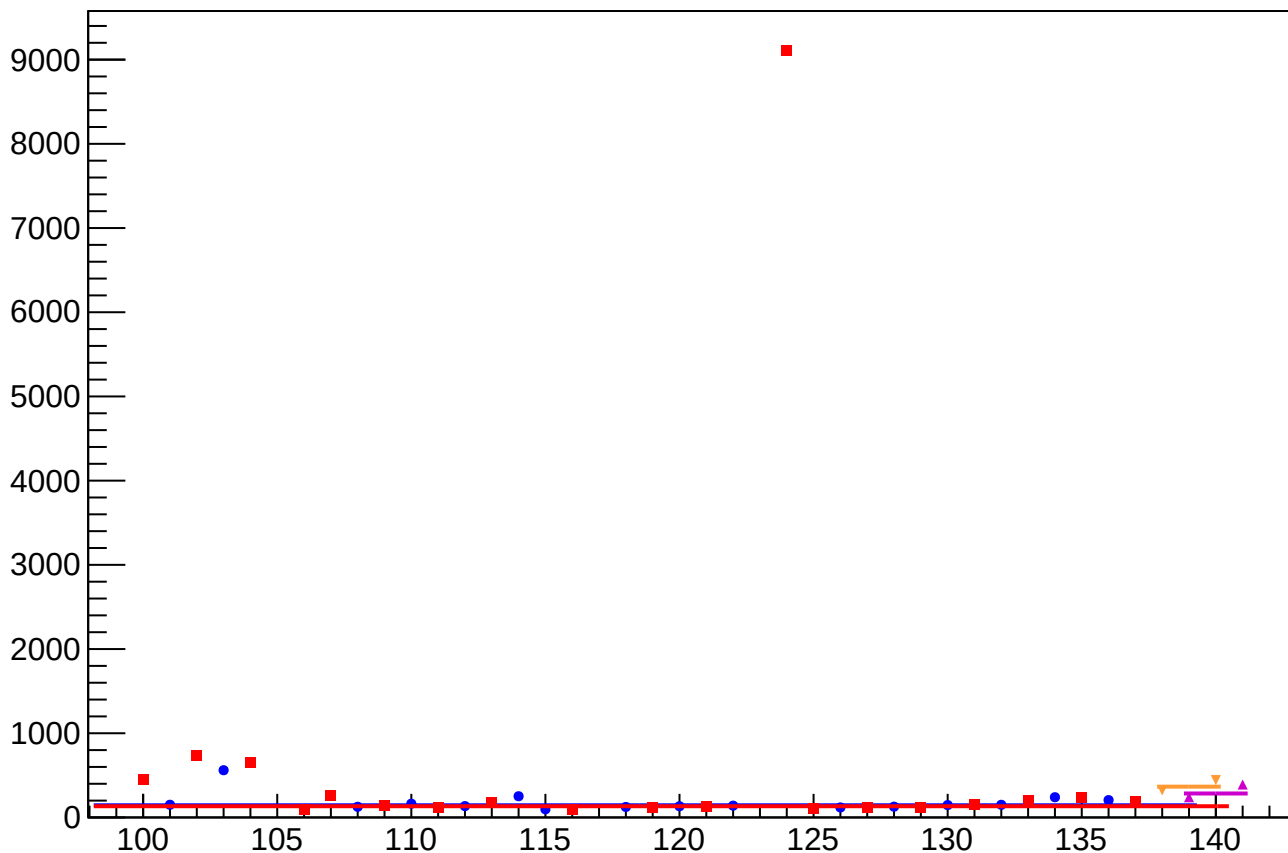
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.007 ± 0.039 χ^2/NDF : 46.5/38

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF : 1128804.3/15

Left Out: 365.842+/-0.211 χ^2/NDF : 77213.2/1

Right Out: 133.253+/-0.040 χ^2/NDF : 2220606.0/18

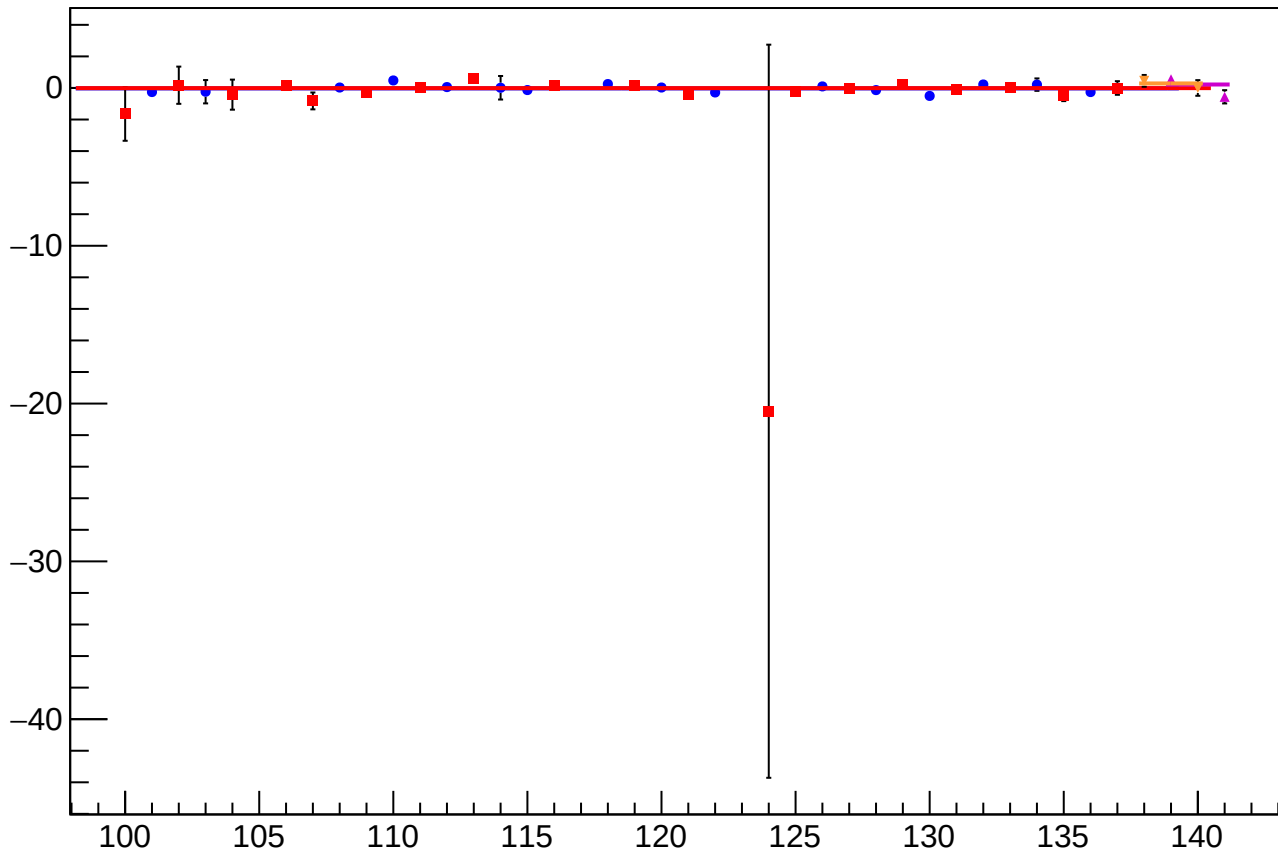
Left In: 284.616+/-0.162 χ^2/NDF : 181971.0/1

+ sign 152.287+/-0.040 χ^2/NDF : 2265821.8/17

All: 146.939+/-0.028 χ^2/NDF : 5526607.9/38

- sign 141.944+/-0.039 χ^2/NDF : 3226461.5/20

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

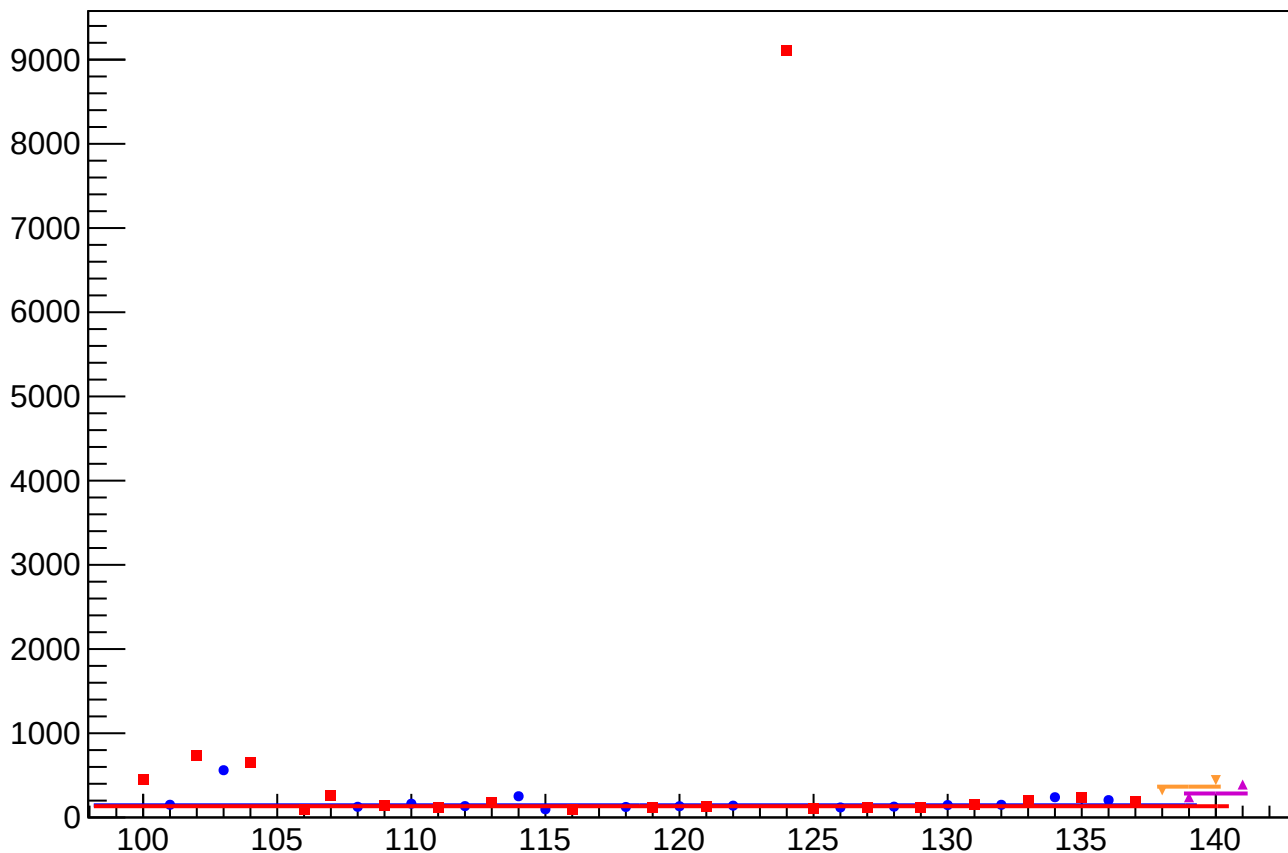
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.017 ± 0.057 χ^2/NDF : 18.8/17

All: -0.007 ± 0.039 χ^2/NDF : 46.5/38

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

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

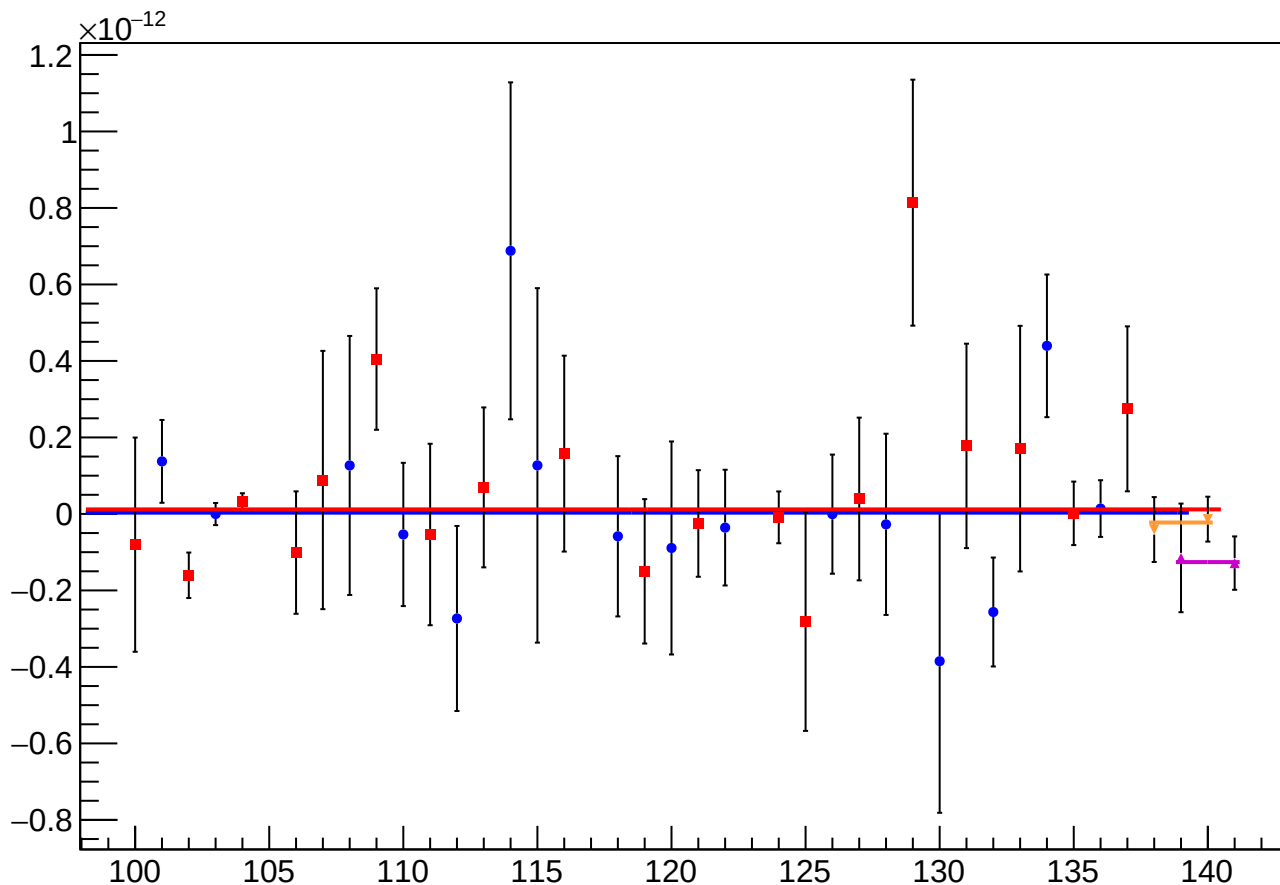
Left In: 284.616 $\pm$ 0.162 χ^2 /NDF: 181971.0/1

+ sign 152.287 $\pm$ 0.040 χ^2 /NDF: 2265821.8/17

All: 146.939 $\pm$ 0.028 χ^2 /NDF: 5526607.9/38

- sign 141.944 $\pm$ 0.039 χ^2 /NDF: 3226461.5/20

asym_atl_avg_eigen_cor_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 : 0.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.1/18

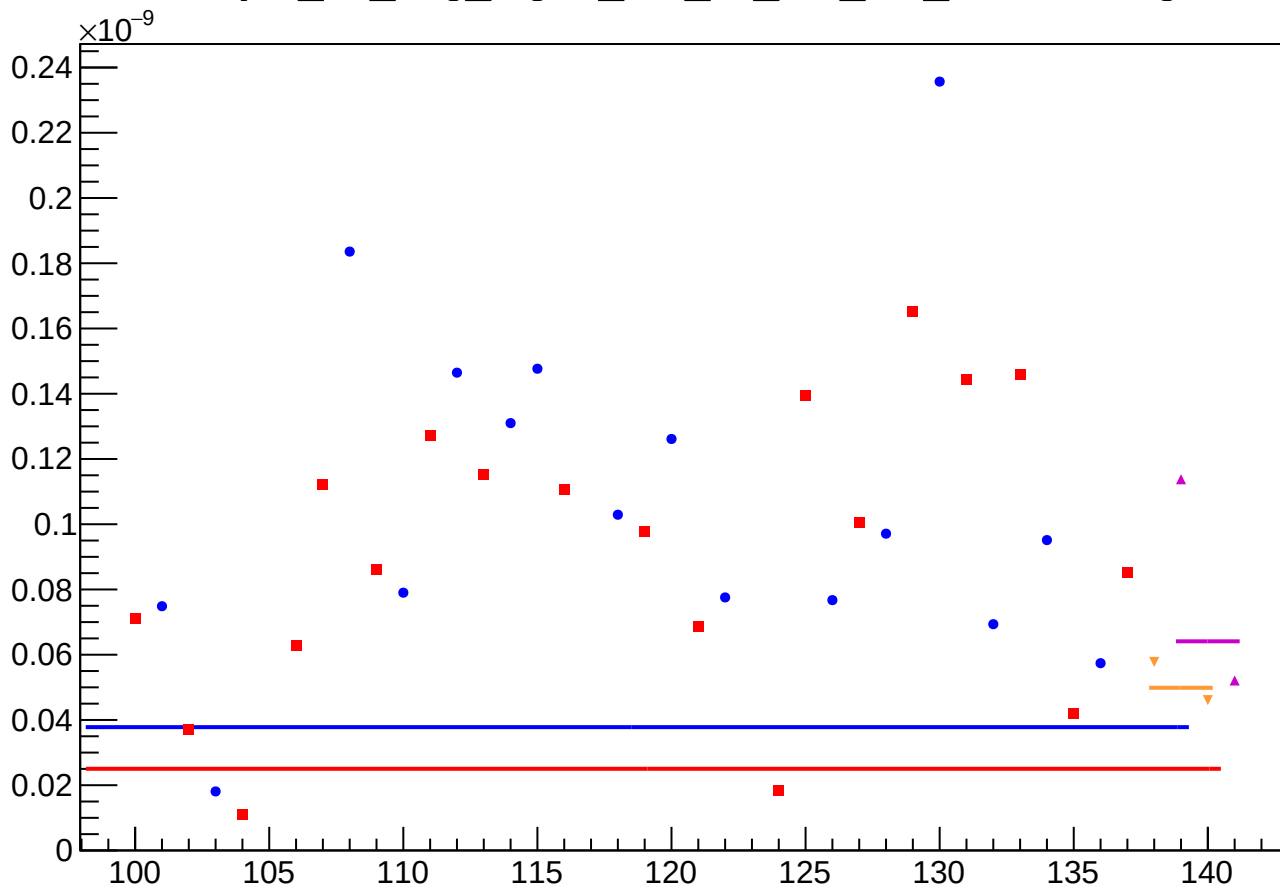
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 15.9/17

All: -0.000 ± 0.000 χ^2/NDF : 45.5/38

- sign 0.000 ± 0.000 χ^2/NDF : 29.6/20

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 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

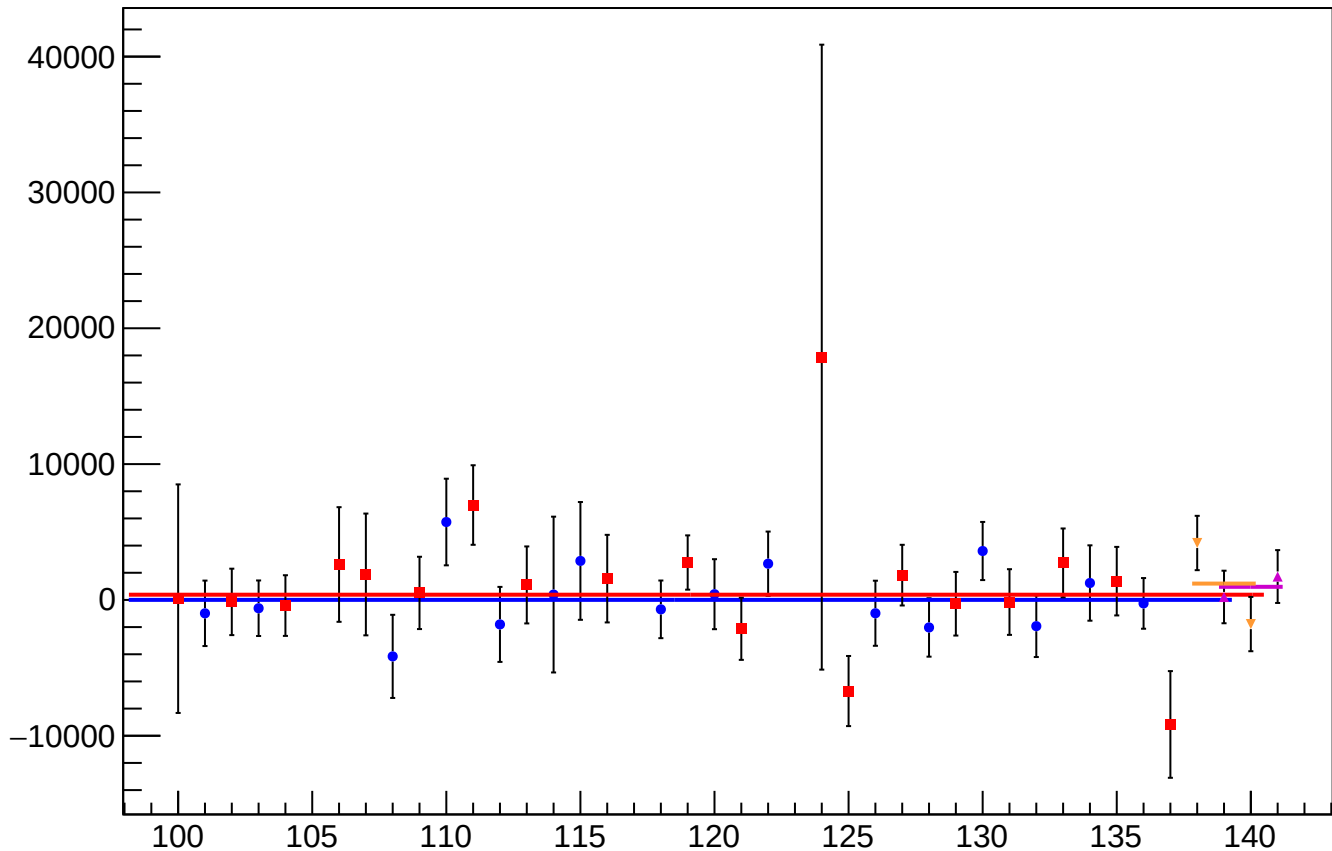
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:303958.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4068827.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10160870.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5721214.1/20

reg_asym_atl_dd_mean vs Slug



Right In: 4.373 ± 619.905 χ^2/NDF : 12.4/15

Left Out: 1203.305 ± 1413.676 χ^2/NDF : 4.5/1

Right Out: 384.758 ± 633.682 χ^2/NDF : 24.1/18

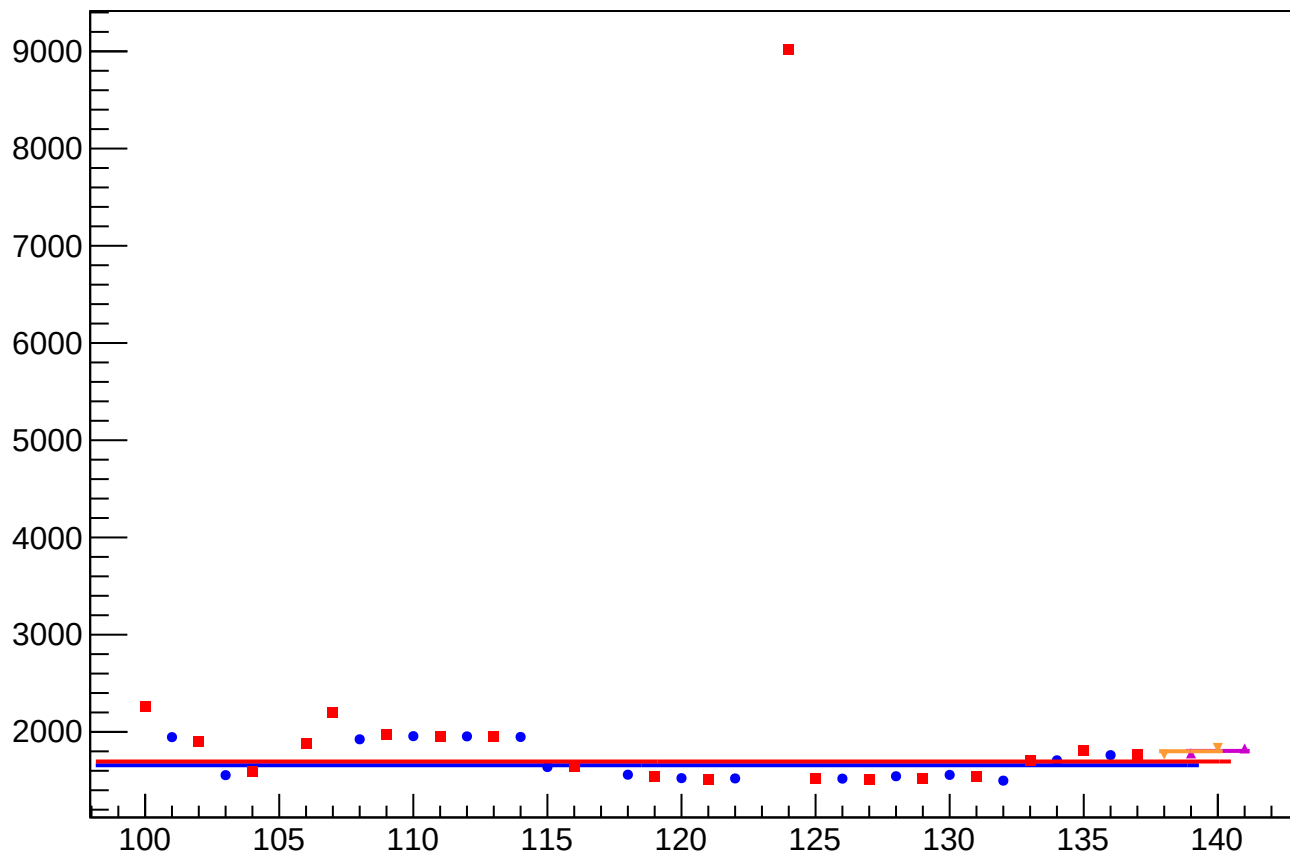
Left In: 965.469 ± 1371.733 χ^2/NDF : 0.3/1

+ sign 197.732 ± 567.721 χ^2/NDF : 17.5/17

All: 340.402 ± 404.080 χ^2/NDF : 42.1/38

- sign 486.889 ± 575.266 χ^2/NDF : 24.5/20

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.4/15

Left Out: 1801.034+/-1.000 $\chi^2/\text{NDF}: 1149.7/1$

+ sign 1680.329+/-0.401 χ^2/NDF : 162516.5/17

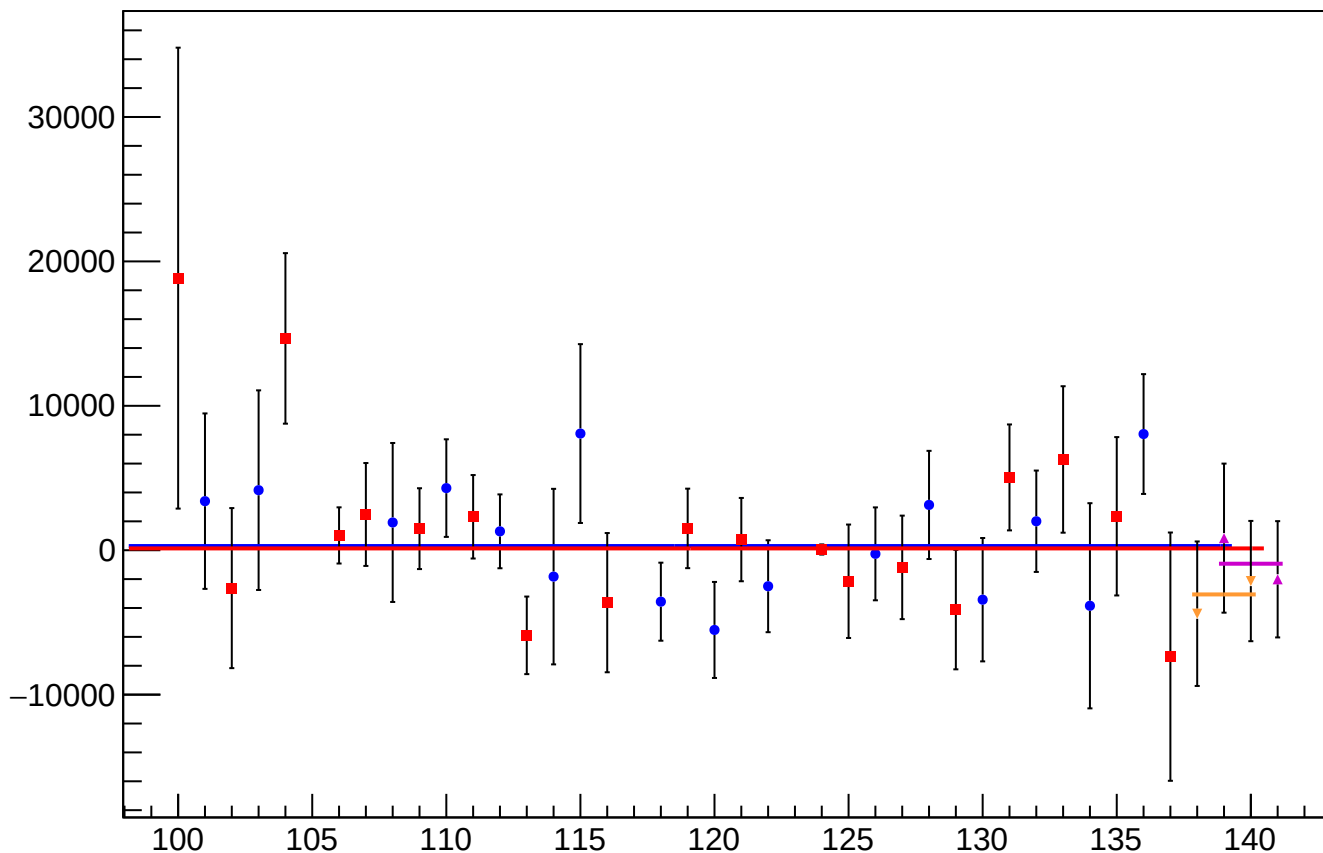
Right Out: 1695.649+/-0.446 χ^2/NDF : 386216.2/18

All: 1697.334+/-0.285 χ^2/NDF : 563460.1/38

- sign 1714.663+/-0.405 χ^2/NDF : 397320.6/20

Left In: 1804.585+/-0.970 χ^2/NDF :692.4/1

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 $\chi^2/\text{NDF}: 20.8/18$

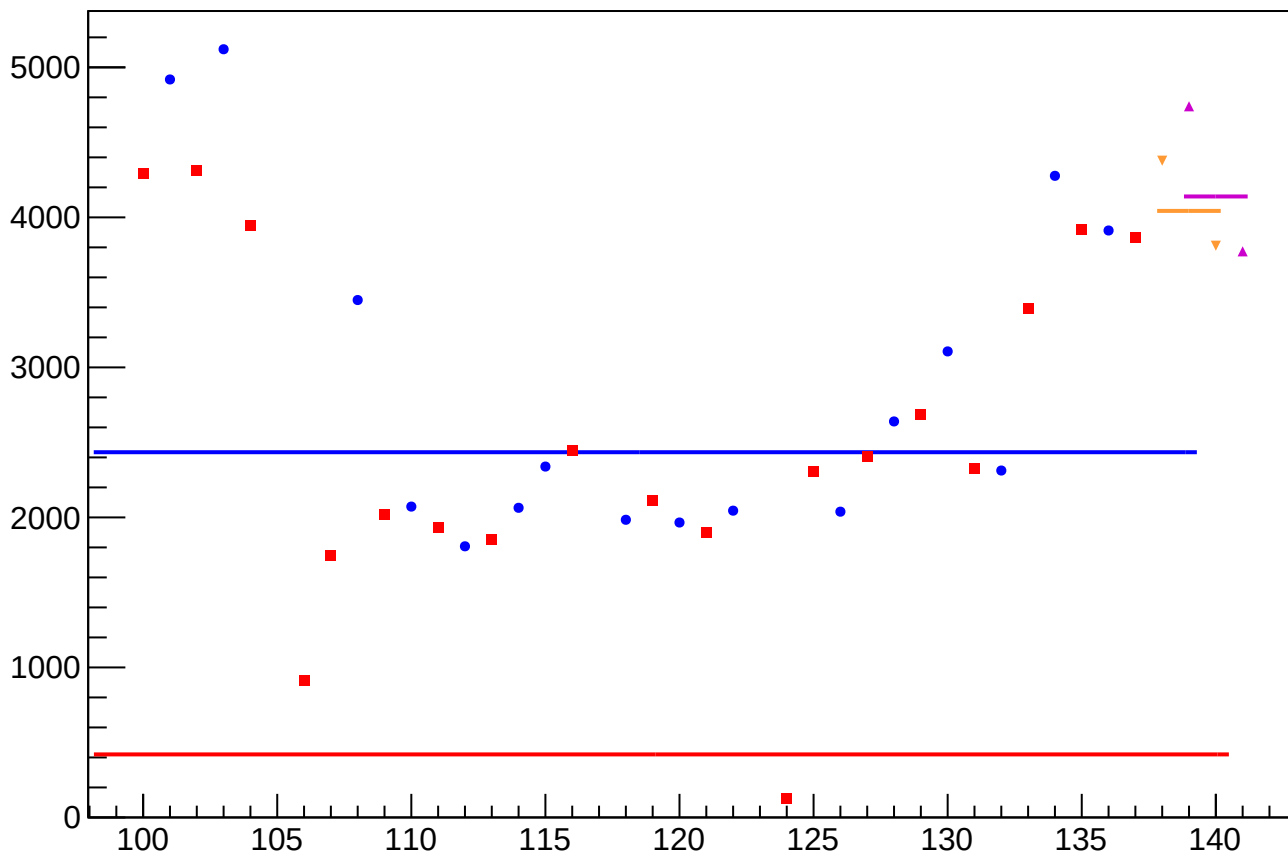
Left In: -934.344 ± 3174.353 $\chi^2/\text{NDF}: 0.2/1$

+ sign 12.223 ± 920.471 $\chi^2/\text{NDF}: 16.3/17$

All: 103.503 ± 303.977 $\chi^2/\text{NDF}: 37.5/38$

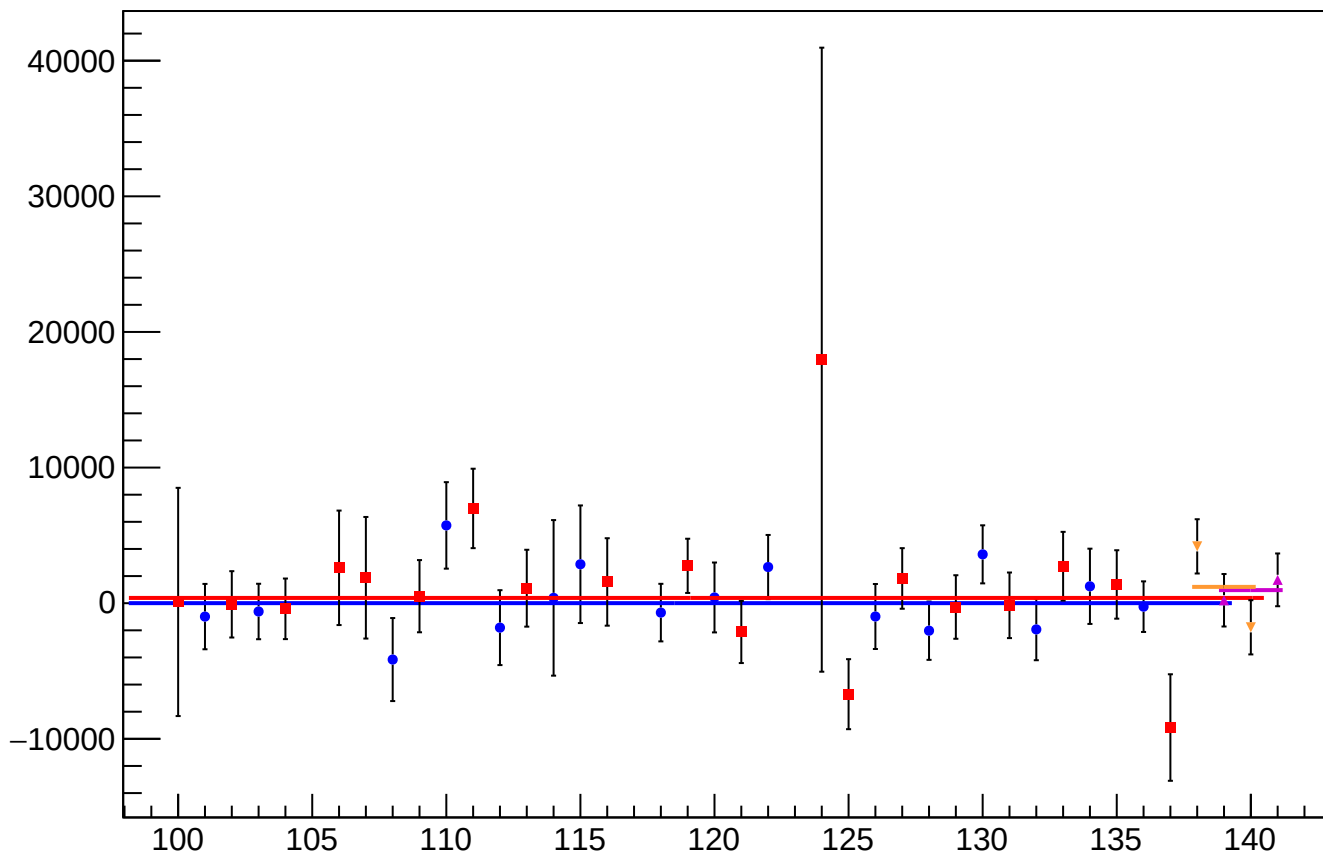
- sign 114.676 ± 322.044 $\chi^2/\text{NDF}: 21.1/20$

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680	χ^2/NDF : 1457721.5/15	+ sign 2567.624+/-0.651	χ^2/NDF : 1936216.9/17
Left Out: 4043.115+/-2.263	χ^2/NDF : 15157.3/1	All: 688.581+/-0.215	χ^2/NDF : 25115666.8/30
Right Out: 420.292+/-0.229	χ^2/NDF : 11063973.9/18	- sign 458.571+/-0.228	χ^2/NDF : 13824668.9/20
Left In: 4139.377+/-2.245	χ^2/NDF : 43638.1/1		

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

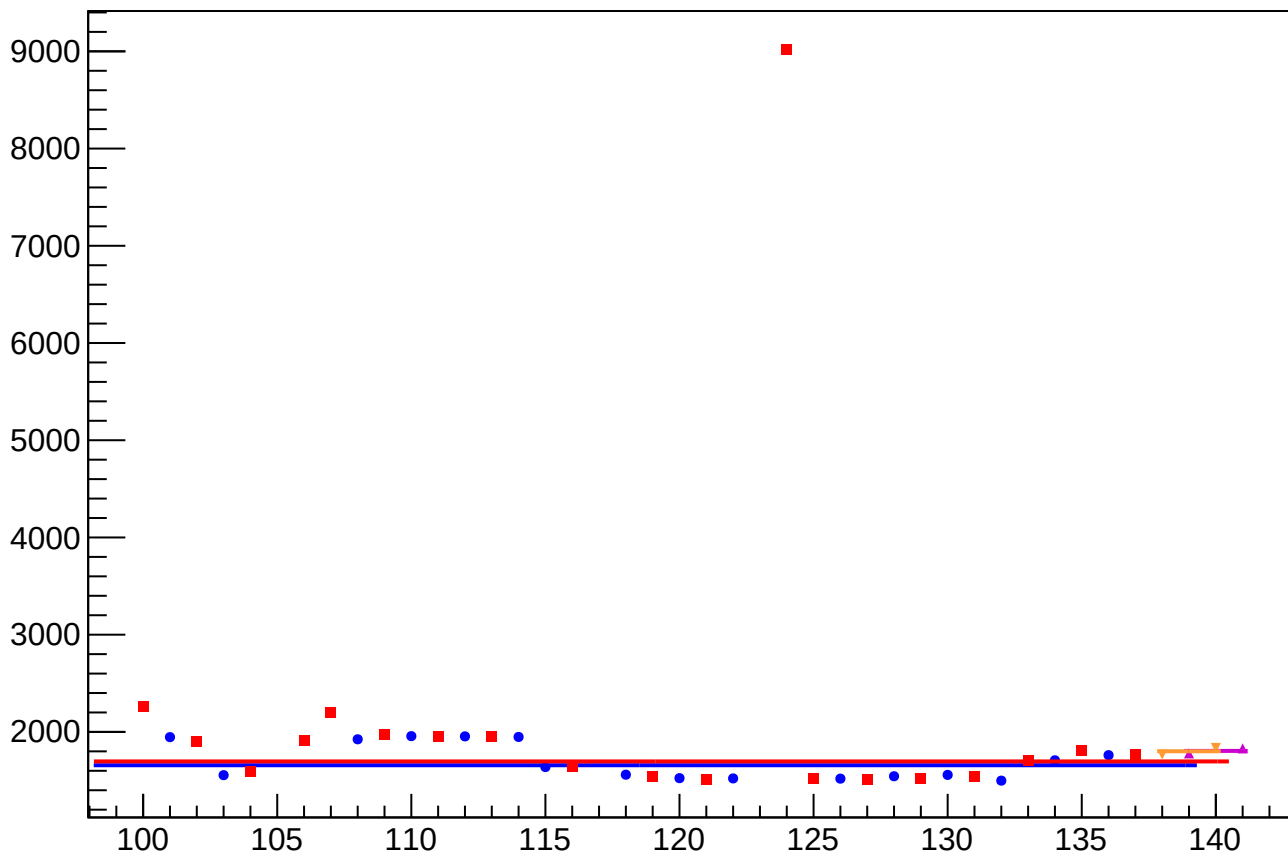
Left In: 965.124 ± 1371.733 χ^2/NDF : 0.3/1

+ sign 197.646 ± 567.721 χ^2/NDF : 17.5/17

All: 342.075 ± 404.082 χ^2/NDF : 42.1/38

- sign 490.371 ± 575.270 χ^2/NDF : 24.5/20

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF :1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF : 387974.4/18

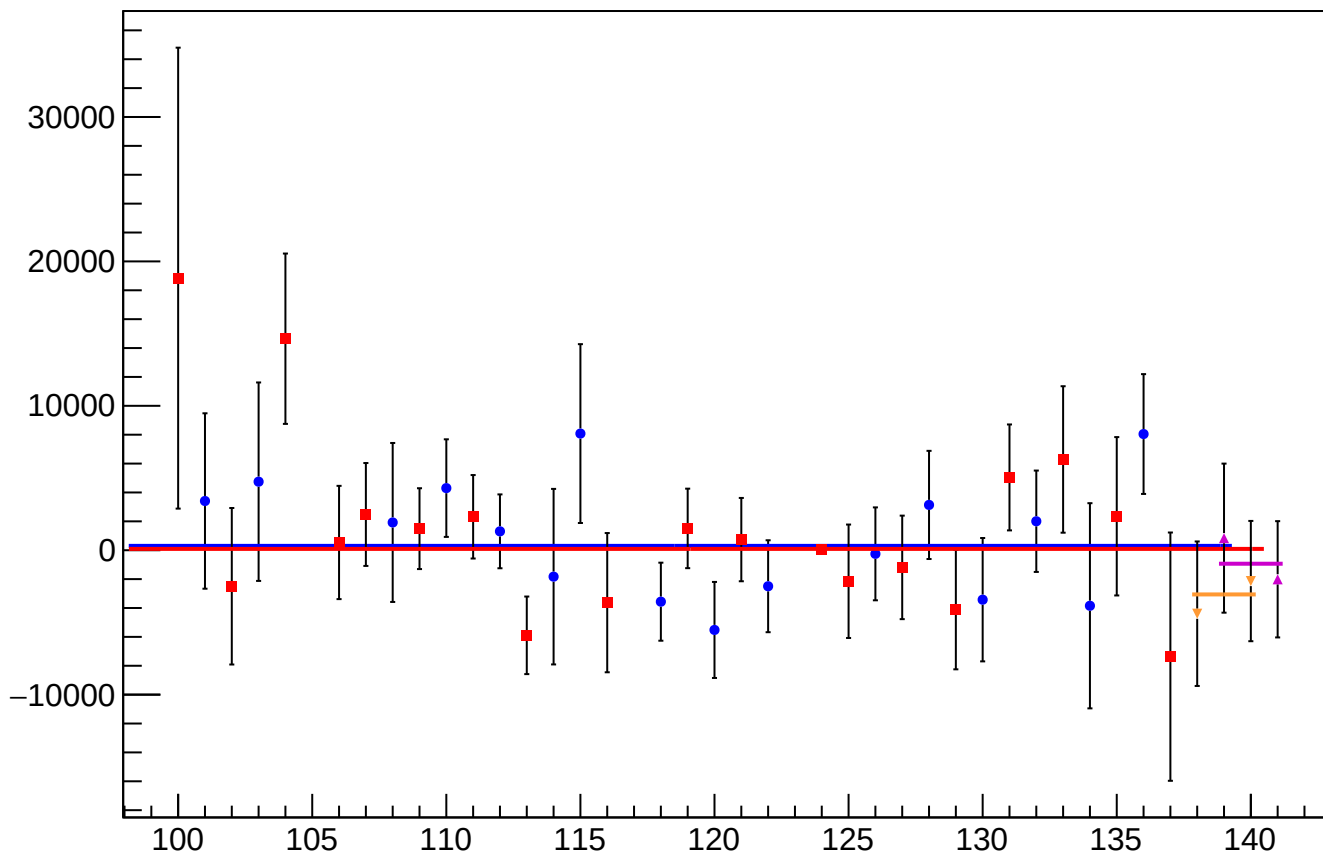
Left In: 1804.585+/-0.970 χ^2/NDF :692.4/1

+ sign 1680.329+/-0.401 χ^2/NDF : 162516.6/17

All: 1697.659+/-0.285 χ^2/NDF : 565206.9/38

- sign 1715.333+/-0.405 χ^2/NDF : 398926.0/20

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839 $\pm$ 960.952 χ^2 /NDF: 15.3/15

Left Out: -3060.650 $\pm$ 3200.720 χ^2 /NDF: 0.1/1

Right Out: 92.243 $\pm$ 315.757 χ^2 /NDF: 20.6/18

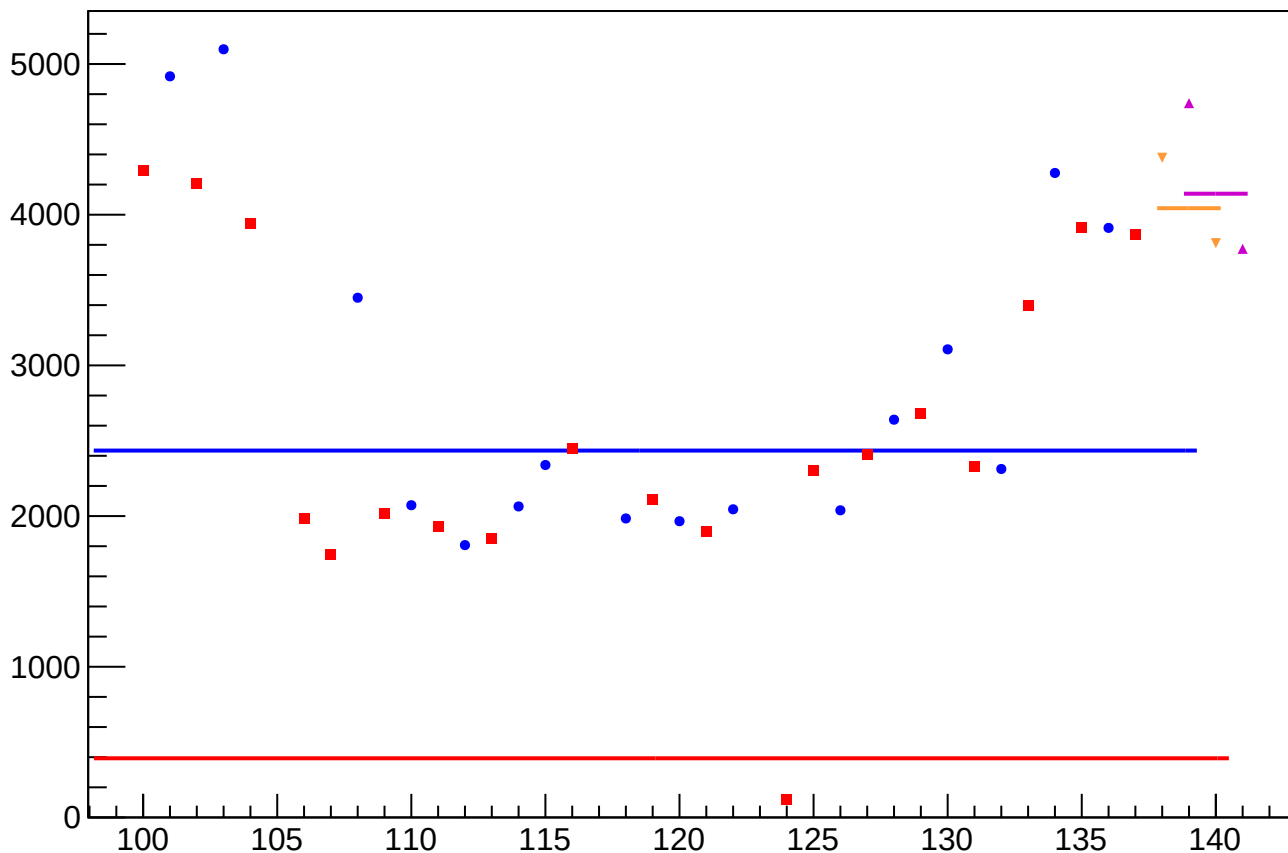
Left In: -934.502 $\pm$ 3174.344 χ^2 /NDF: 0.2/1

+ sign 23.811 $\pm$ 920.367 χ^2 /NDF: 16.5/17

All: 76.090 $\pm$ 297.356 χ^2 /NDF: 37.4/38

- sign 82.183 $\pm$ 314.207 χ^2 /NDF: 20.9/20

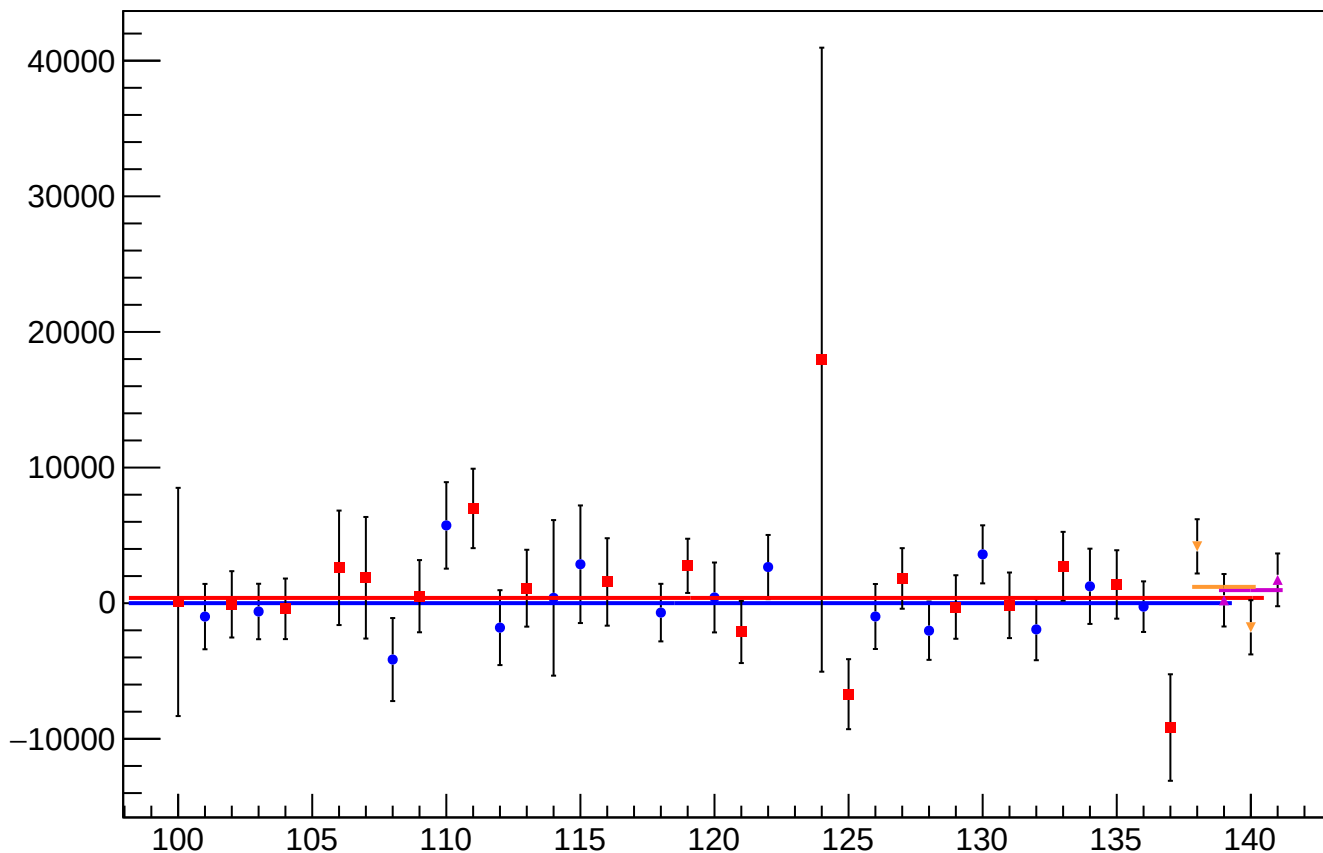
asym_atl_dd_cor_correction_rms vs Slug



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: 4139.366 $\pm$ 2.245 χ^2/NDF : 43638.0/1

+ sign 2567.745 $\pm$ 0.651 χ^2/NDF : 1934435.6/17
 All: 652.584 $\pm$ 0.210 χ^2/NDF : 25814352.1/30
 - sign 429.374 $\pm$ 0.222 χ^2/NDF : 14210594.8/20

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF : 12.4/15

Left Out: 1203.178+/-1413.676 χ^2/NDF : 4.5/1

Right Out: 389.054+/-633.688 χ^2/NDF : 24.0/18

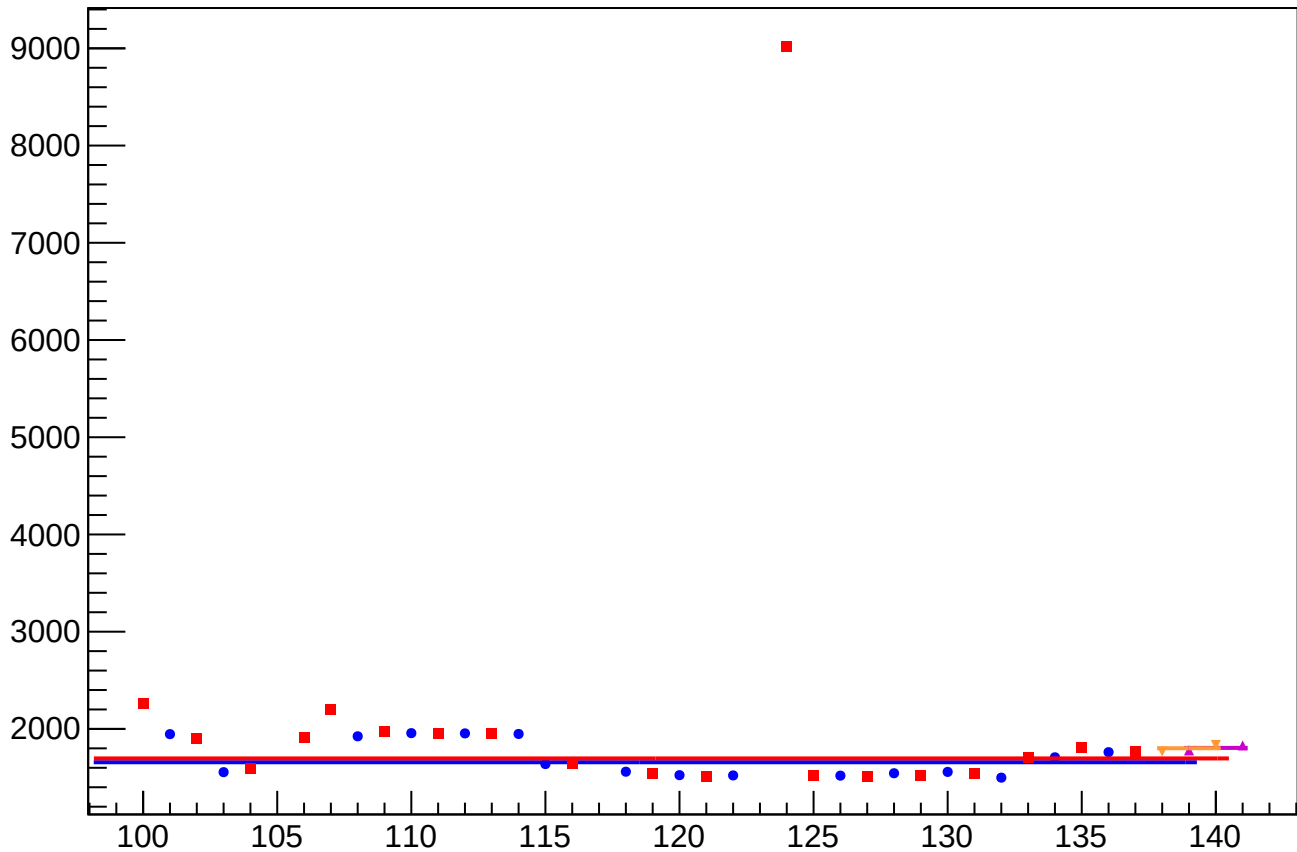
Left In: 965.124+/-1371.733 χ^2/NDF : 0.3/1

+ sign 197.646+/-567.721 χ^2/NDF : 17.5/17

All: 342.075+/-404.082 χ^2/NDF : 42.1/38

- sign 490.371+/-575.270 χ^2/NDF : 24.5/20

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2 /NDF: 143982.5/15

Left Out: 1801.034 $\pm$ 1.000 χ^2 /NDF:1149.7/1

Right Out: 1696.442 $\pm$ 0.446 χ^2 /NDF: 387974.4/18

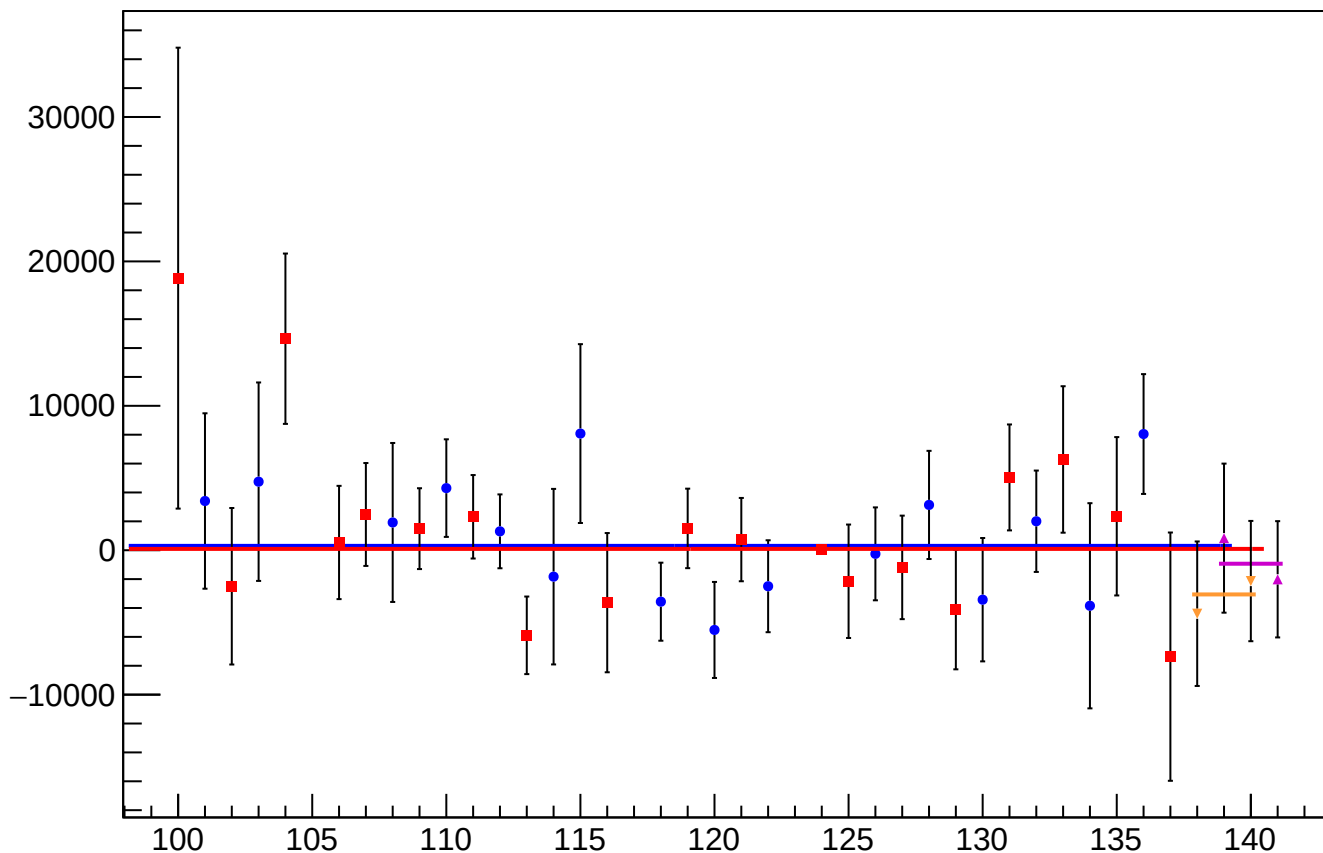
Left In: 1804.585 $\pm$ 0.970 χ^2 /NDF:692.4/1

+ sign 1680.329 $\pm$ 0.401 χ^2 /NDF: 162516.6/17

All: 1697.659 $\pm$ 0.285 χ^2 /NDF: 565206.9/38

- sign 1715.333 $\pm$ 0.405 χ^2 /NDF: 398926.0/20

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839 ± 960.952 χ^2/NDF : 15.3/15

Left Out: -3060.650 ± 3200.720 χ^2/NDF : 0.1/1

Right Out: 92.243 ± 315.757 χ^2/NDF : 20.6/18

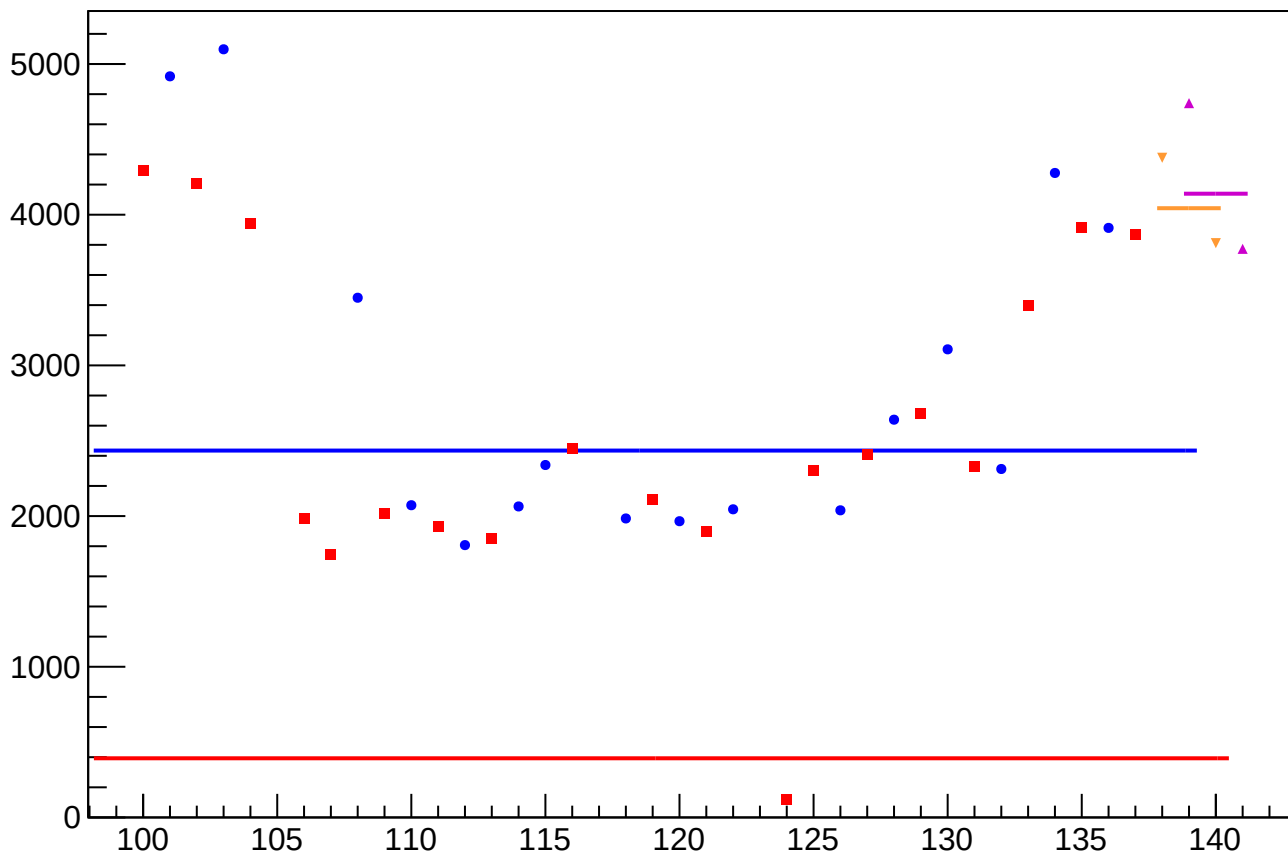
Left In: -934.502 ± 3174.344 χ^2/NDF : 0.2/1

+ sign 23.811 ± 920.367 χ^2/NDF : 16.5/17

All: 76.090 ± 297.356 χ^2/NDF : 37.4/38

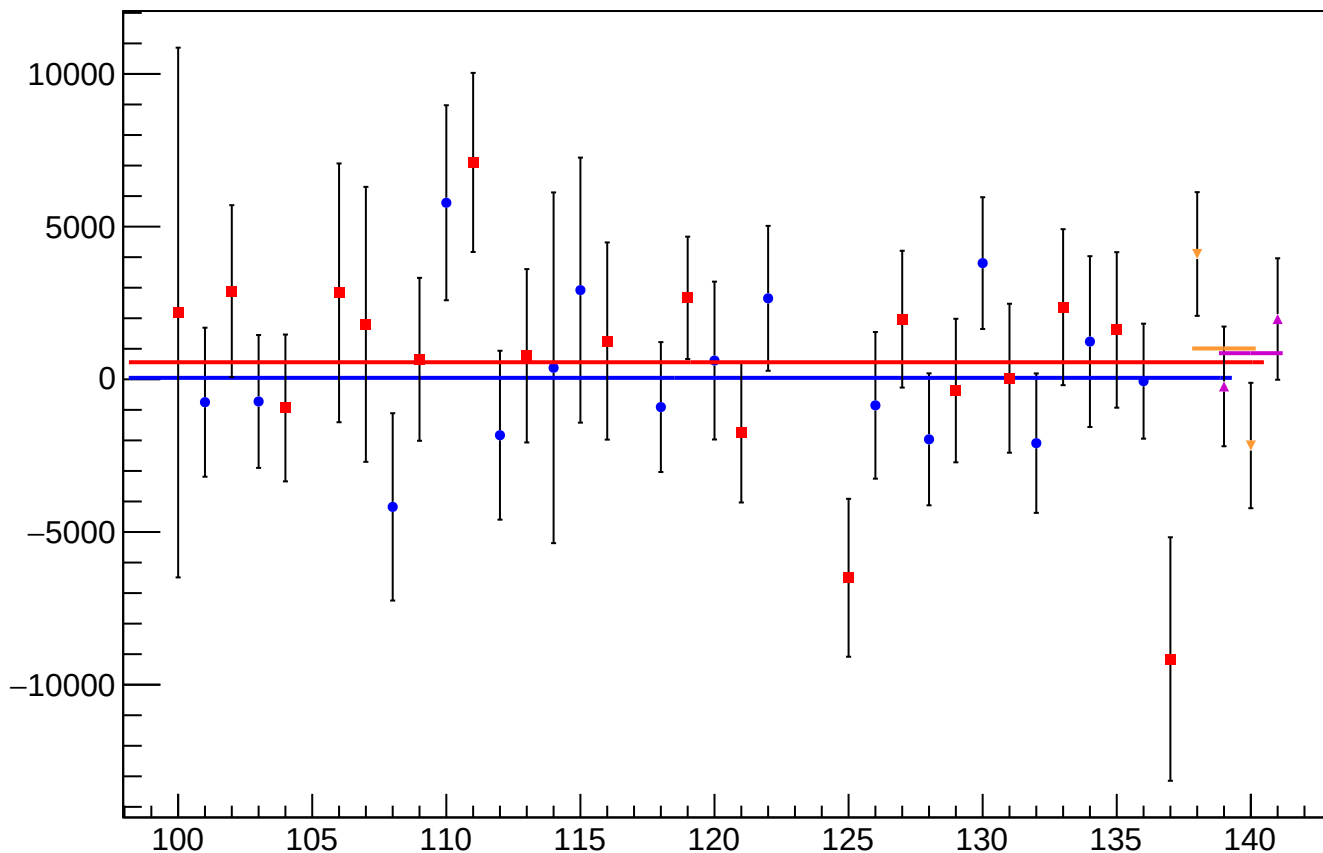
- sign 82.183 ± 314.207 χ^2/NDF : 20.9/20

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679	χ^2/NDF : 1456027.7/15	+ sign 2567.745+/-0.651	χ^2/NDF : 1934435.6/17
Left Out: 4043.113+/-2.263	χ^2/NDF : 15156.8/1	All: 652.584+/-0.210	χ^2/NDF : 25814352.1/30
Right Out: 392.666+/-0.223	χ^2/NDF : 11408006.3/18	- sign 429.374+/-0.222	χ^2/NDF : 14210594.8/20
Left In: 4139.366+/-2.245	χ^2/NDF : 43638.0/1		

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

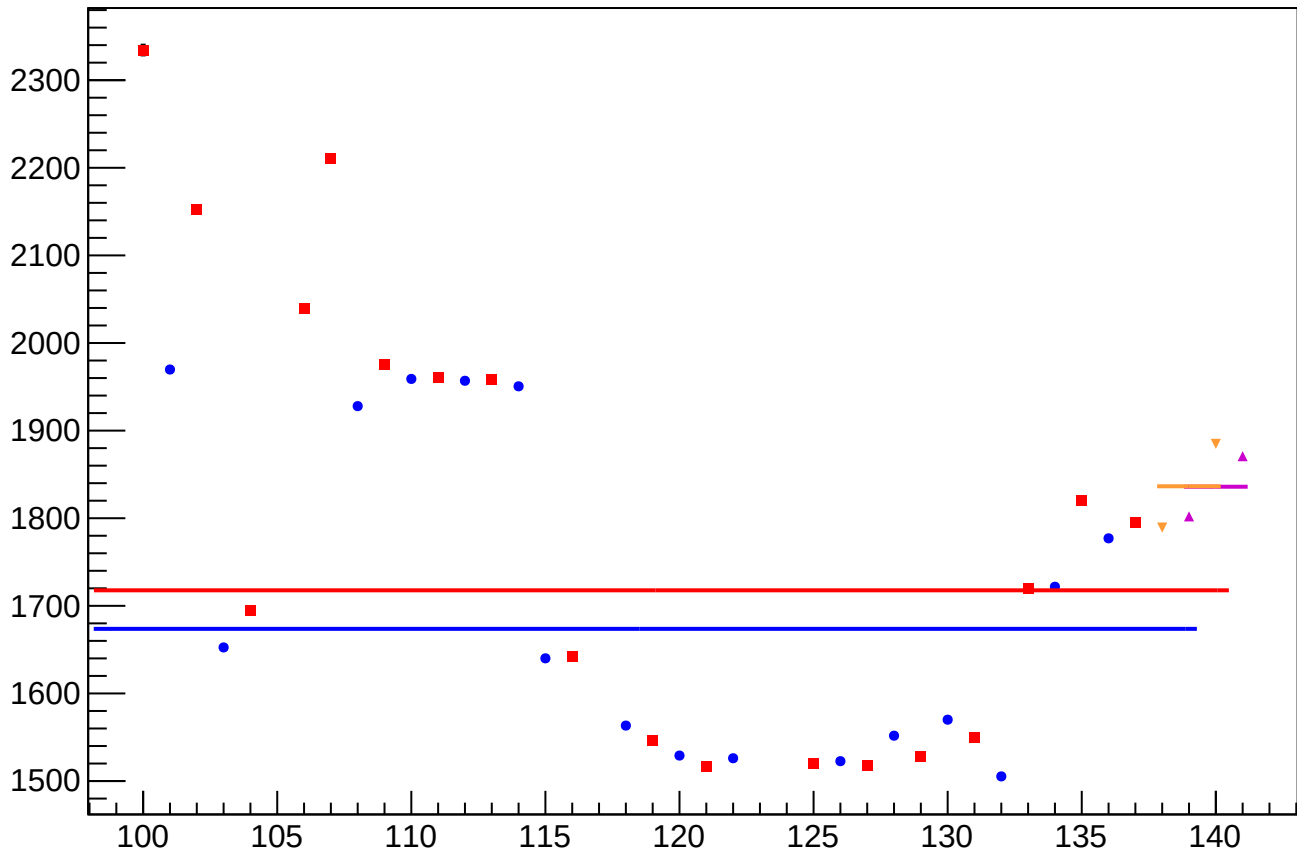
Left In: 855.865+/-1395.913 χ^2/NDF : 0.6/1

+ sign 201.041+/-574.330 χ^2/NDF : 17.9/17

All: 402.364+/-410.085 χ^2/NDF : 42.1/37

- sign 611.762+/-585.735 χ^2/NDF : 23.9/19

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF : 140873.1/15

Left Out: 1836.455+/-1.020 χ^2/NDF : 2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF : 227642.0/17

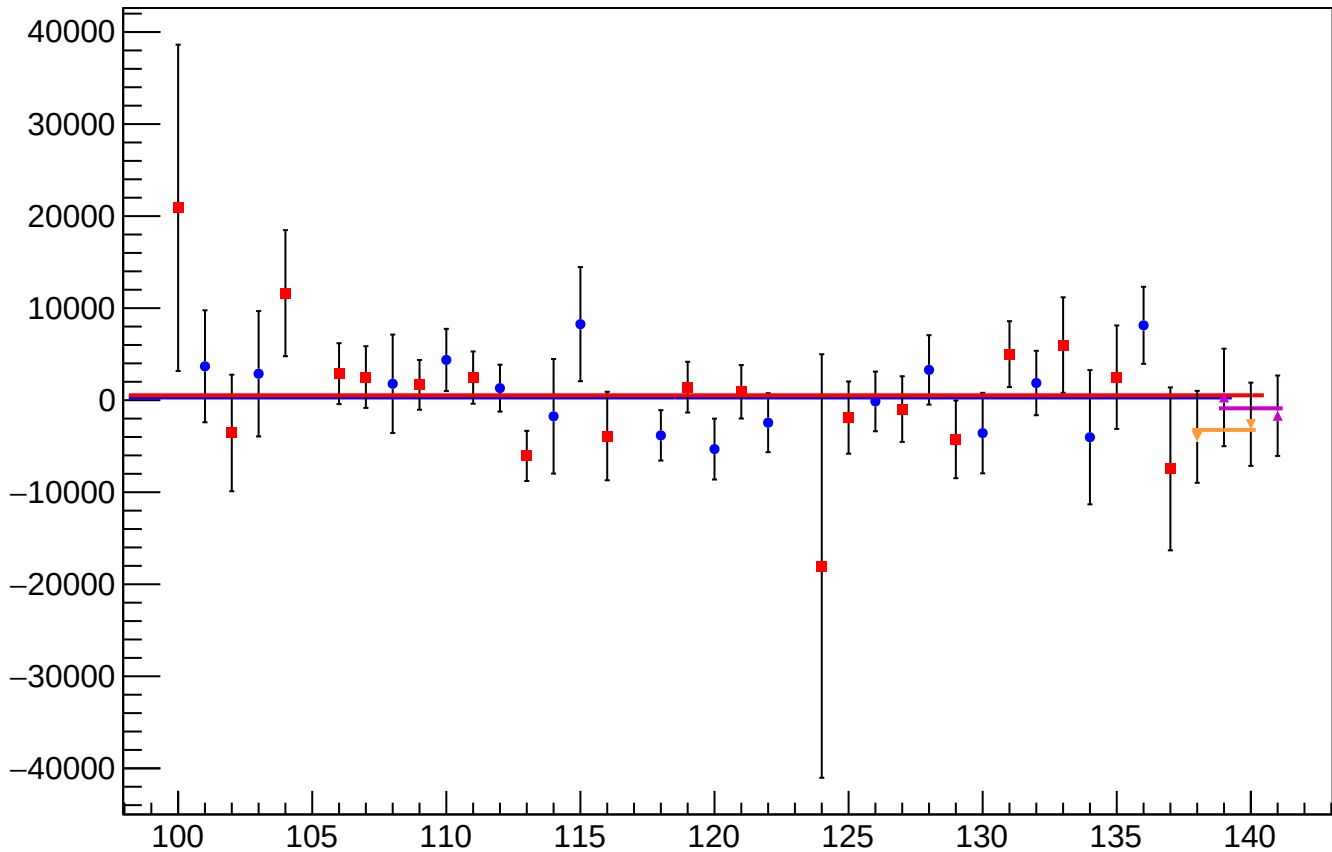
Left In: 1835.965+/-0.987 χ^2/NDF : 1210.5/1

+ sign 1699.549+/-0.406 χ^2/NDF : 164502.8/17

All: 1718.656+/-0.290 χ^2/NDF : 409698.0/37

- sign 1738.455+/-0.413 χ^2/NDF : 240687.7/19

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

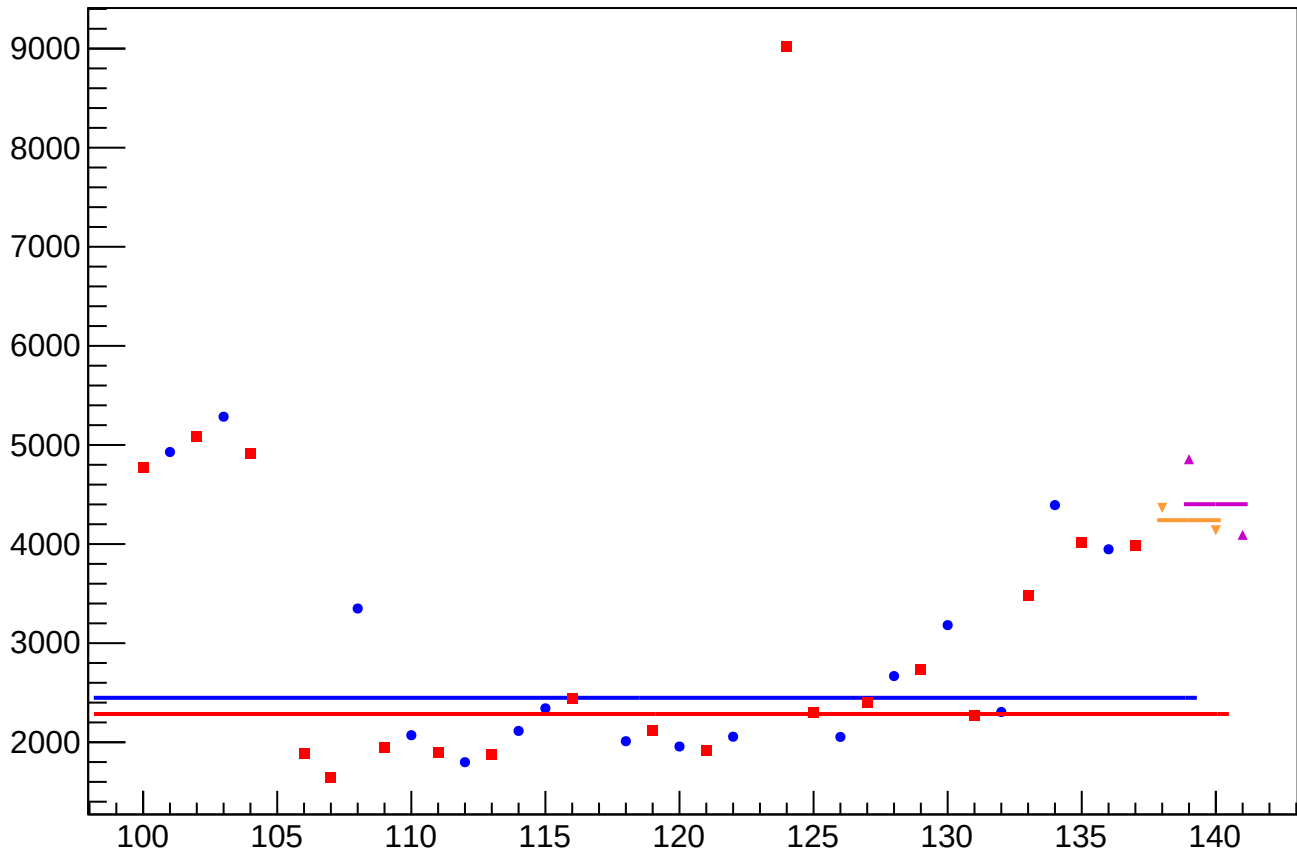
Left In: -884.142 $\pm$ 3369.546 χ^2 /NDF:0.1/1

+ sign 26.892 $\pm$ 927.080 χ^2 /NDF: 16.3/17

All: 250.057 $\pm$ 628.530 χ^2 /NDF: 35.4/38

- sign 439.884 $\pm$ 855.035 χ^2 /NDF: 19.0/20

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598 $\pm$ 0.682 χ^2 /NDF: 1517585.7/15

Left Out: 4240.934 $\pm$ 2.371 χ^2 /NDF:2253.8/1

Right Out: 2285.075 $\pm$ 0.625 χ^2 /NDF: 1548819.2/18

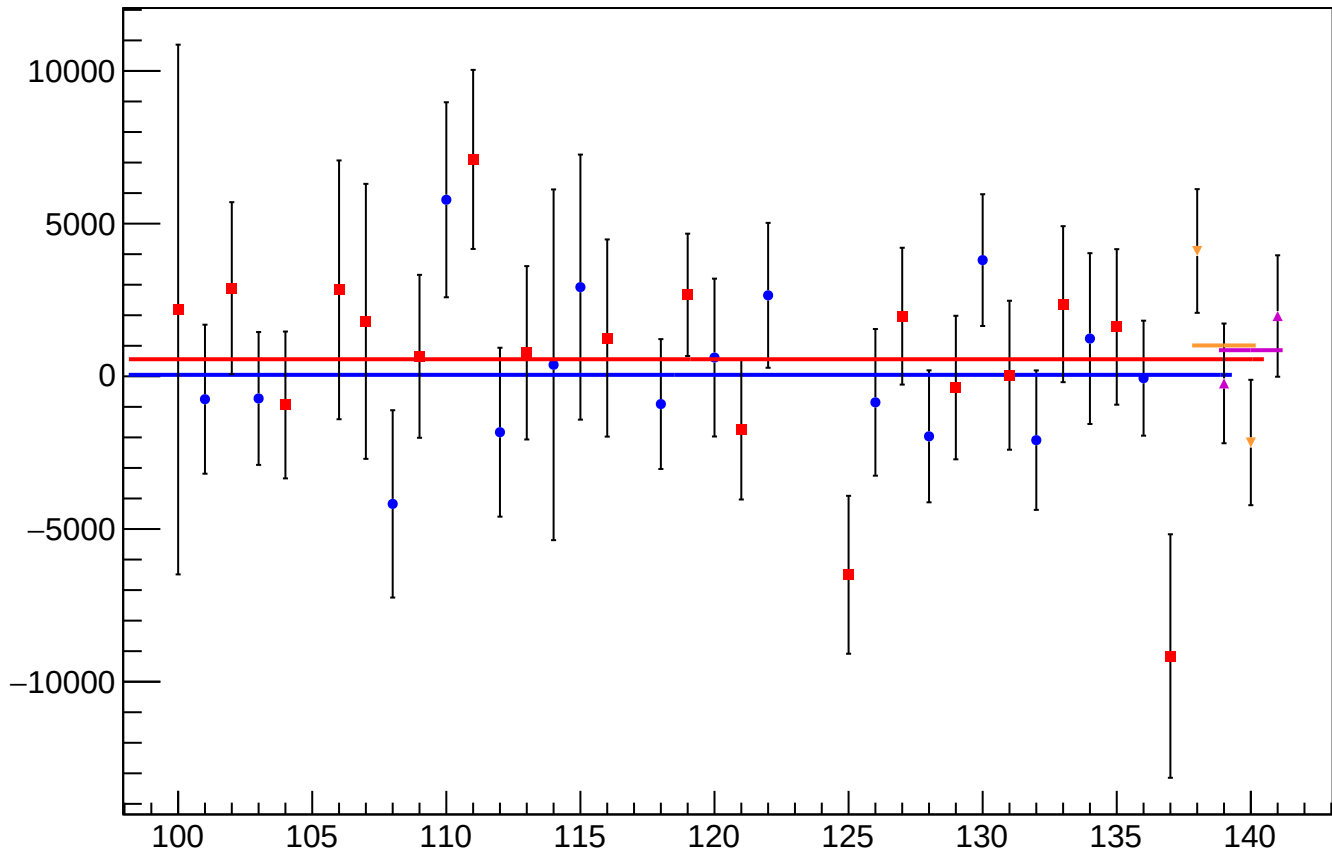
Left In: 4402.373 $\pm$ 2.383 χ^2 /NDF:24715.5/1

+ sign 2585.584 $\pm$ 0.656 χ^2 /NDF: 2047508.6/17

All: 2496.871 $\pm$ 0.444 χ^2 /NDF: 4393766.8/38

- sign 2421.410 $\pm$ 0.605 χ^2 /NDF: 2312366.7/20

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

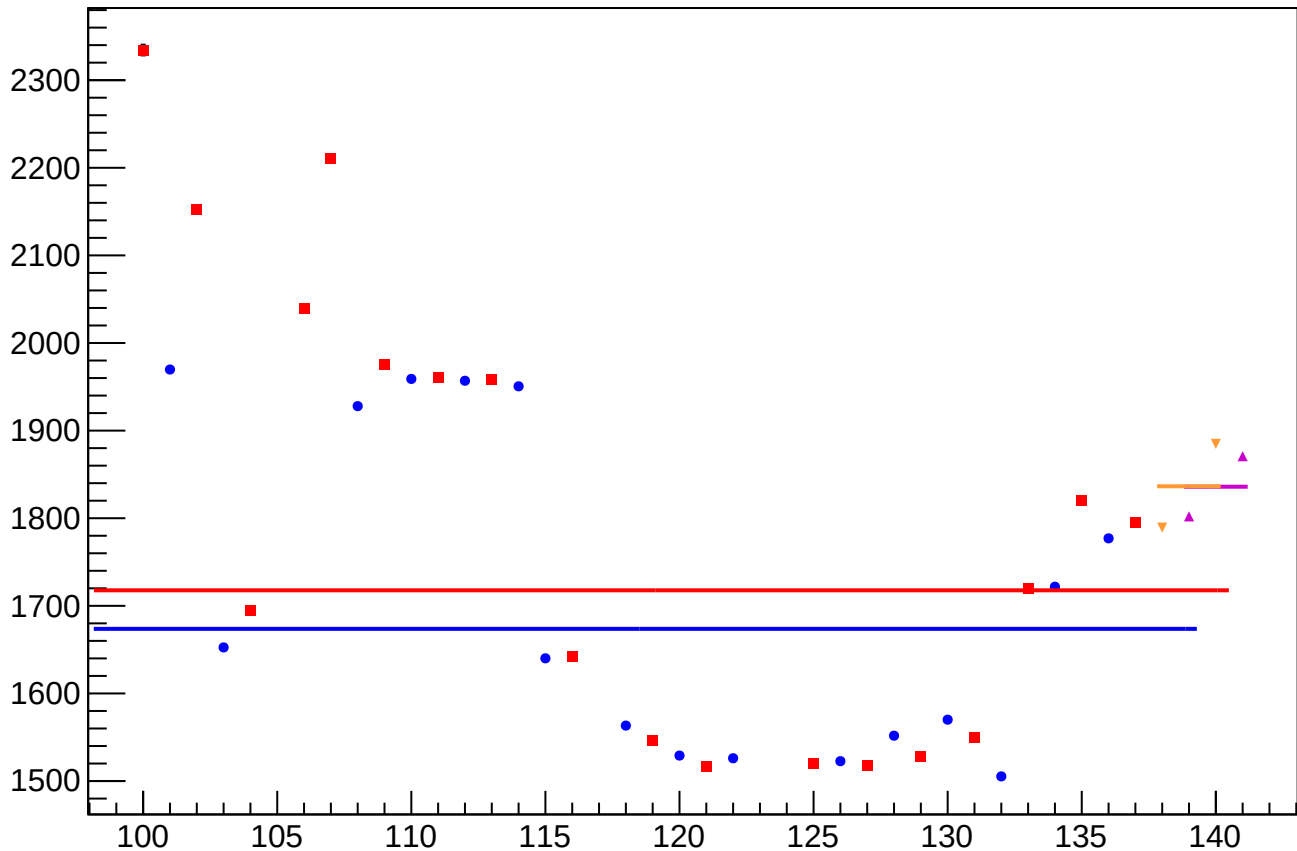
Left In: 855.865+/-1395.914 χ^2/NDF : 0.6/1

+ sign 201.037+/-574.330 χ^2/NDF : 17.9/17

All: 402.363+/-410.085 χ^2/NDF : 42.1/37

- sign 611.763+/-585.735 χ^2/NDF : 23.9/19

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF : 140873.1/15

Left Out: 1836.456+/-1.020 χ^2/NDF : 2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF : 227641.3/17

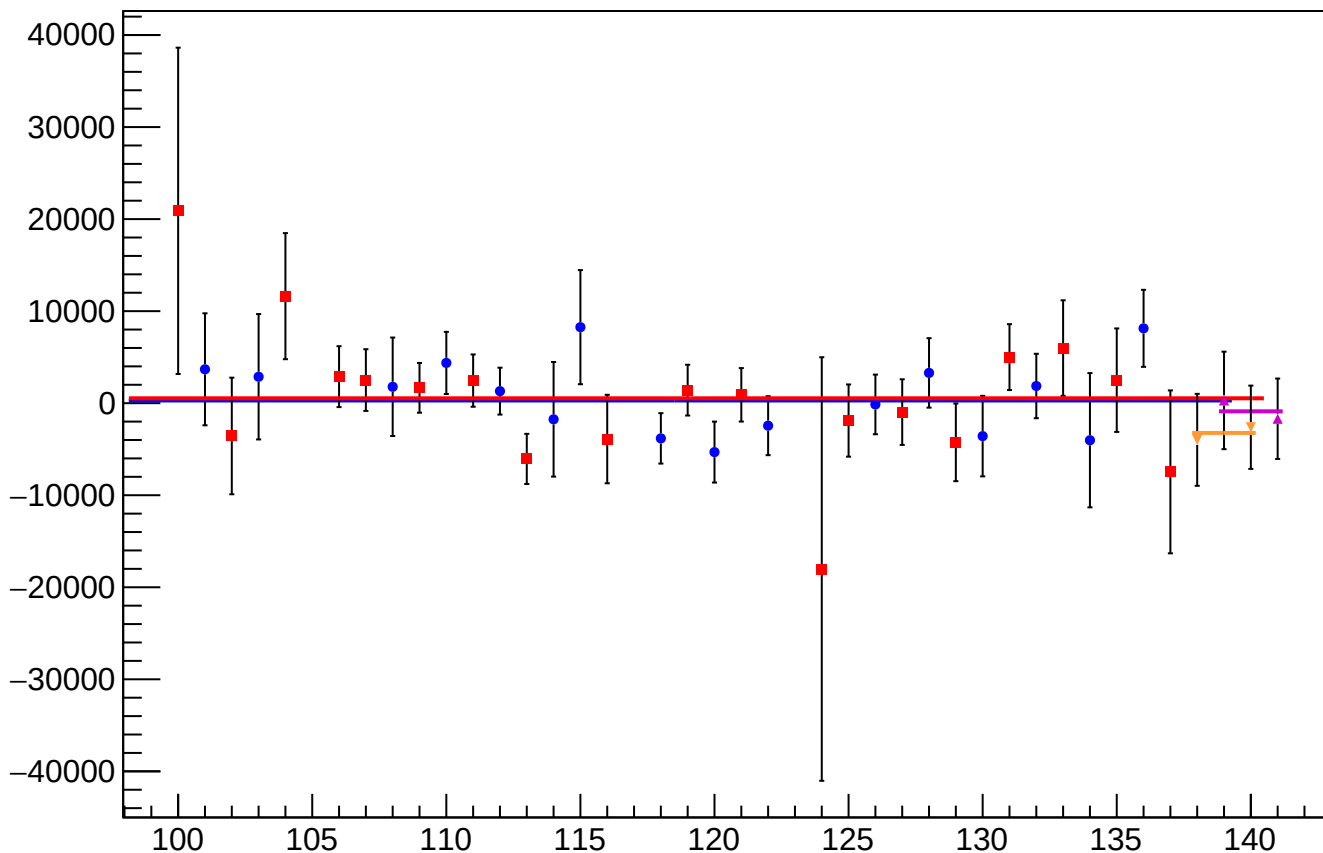
Left In: 1835.967+/-0.987 χ^2/NDF : 1210.5/1

+ sign 1699.549+/-0.406 χ^2/NDF : 164503.1/17

All: 1718.656+/-0.290 χ^2/NDF : 409697.8/37

- sign 1738.455+/-0.413 χ^2/NDF : 240687.2/19

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

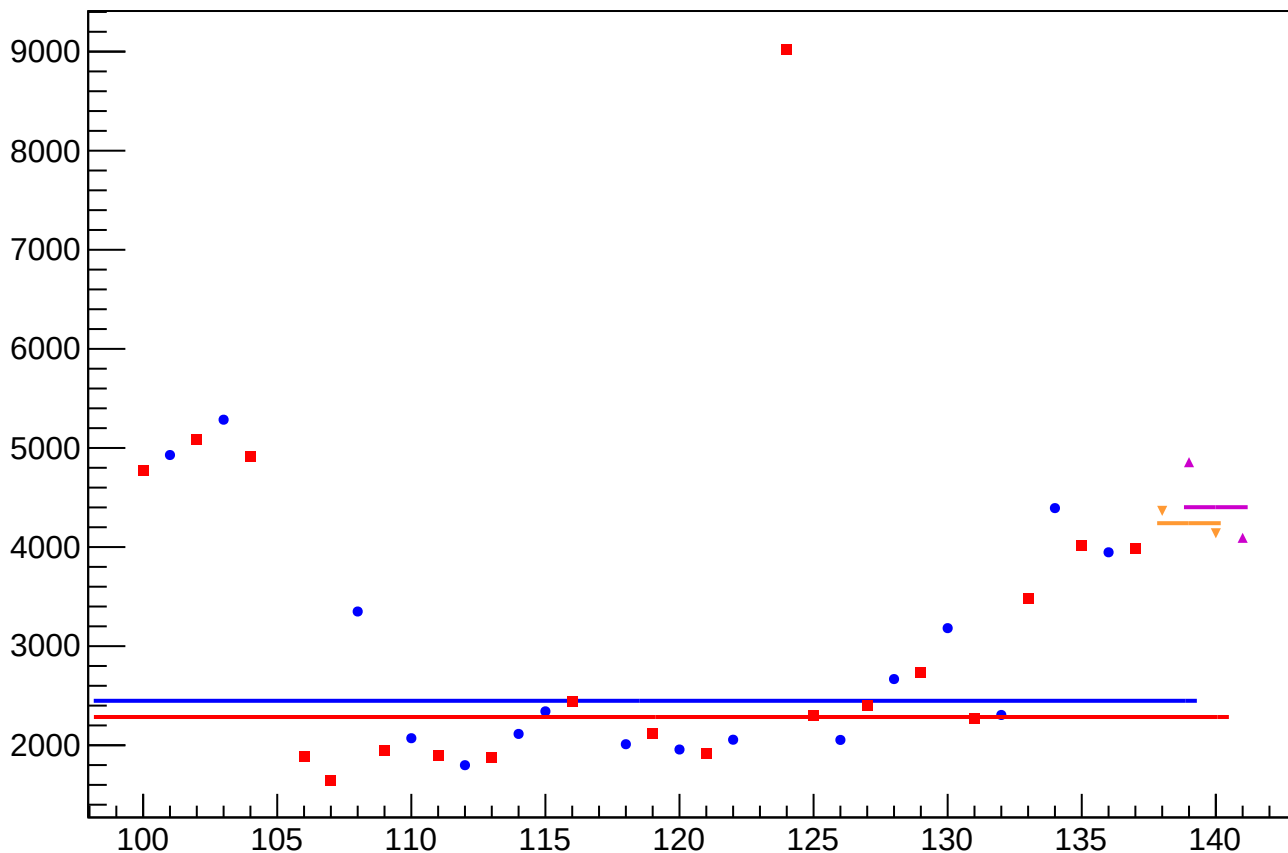
Left In: -884.144+/-3369.555 χ^2/NDF : 0.1/1

+ sign 26.890+/-927.077 χ^2/NDF : 16.3/17

All: 250.057+/-628.528 χ^2/NDF : 35.4/38

- sign 439.887+/-855.033 χ^2/NDF : 19.0/20

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF : 1517598.4/15

Left Out: 4240.945+/-2.371 χ^2/NDF : 2254.0/1

Right Out: 2285.066+/-0.625 χ^2/NDF : 1548827.3/18

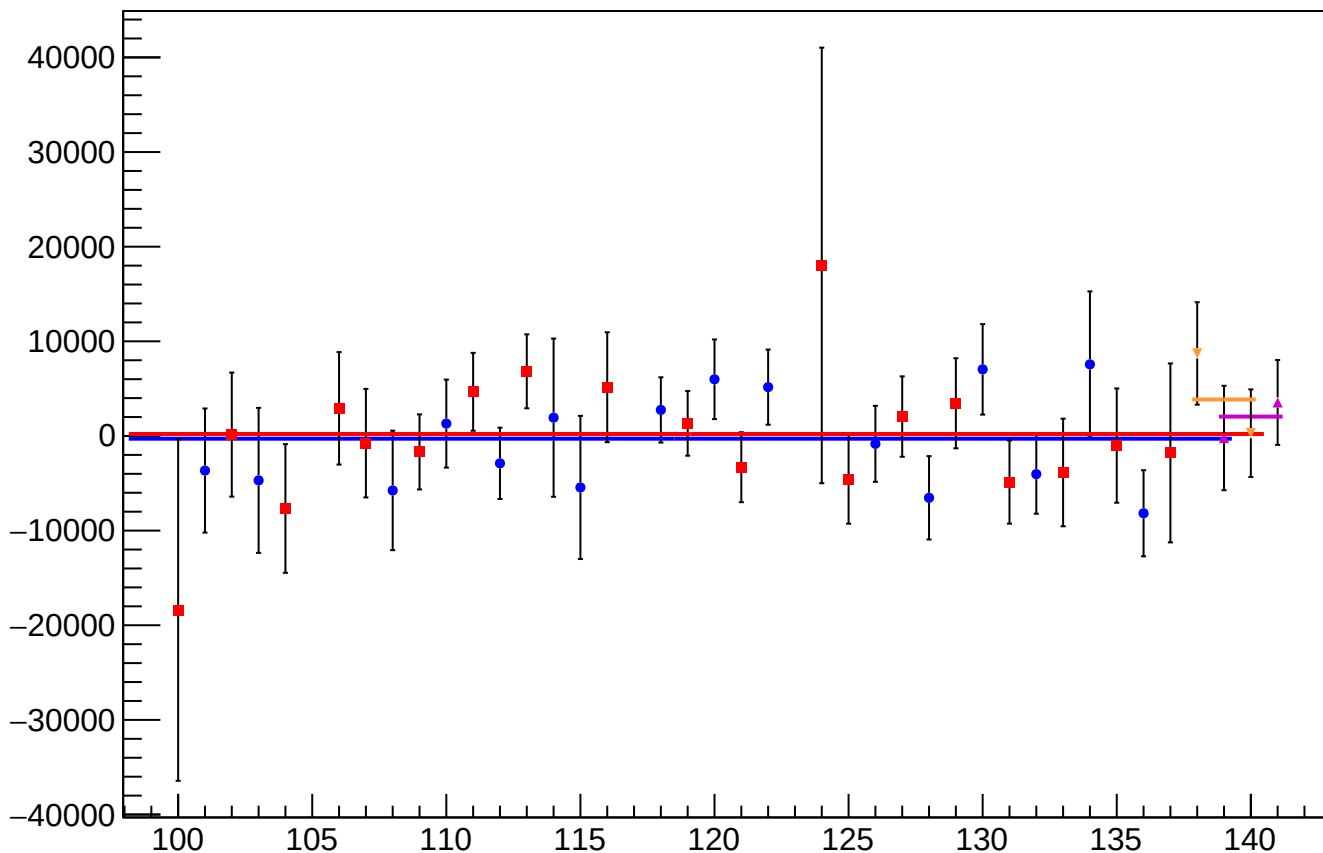
Left In: 4402.384+/-2.383 χ^2/NDF : 24716.2/1

+ sign 2585.573+/-0.656 χ^2/NDF : 2047532.2/17

All: 2496.861+/-0.444 χ^2/NDF : 4393808.9/38

- sign 2421.401+/-0.605 χ^2/NDF : 2312385.8/20

asym_atl_dd_mean vs Slug



Right In: -287.276 ± 1197.339 χ^2/NDF : 16.6/15

Left Out: 3854.091 ± 3517.886 χ^2/NDF : 1.4/1

Right Out: 209.473 ± 1153.742 χ^2/NDF : 12.9/18

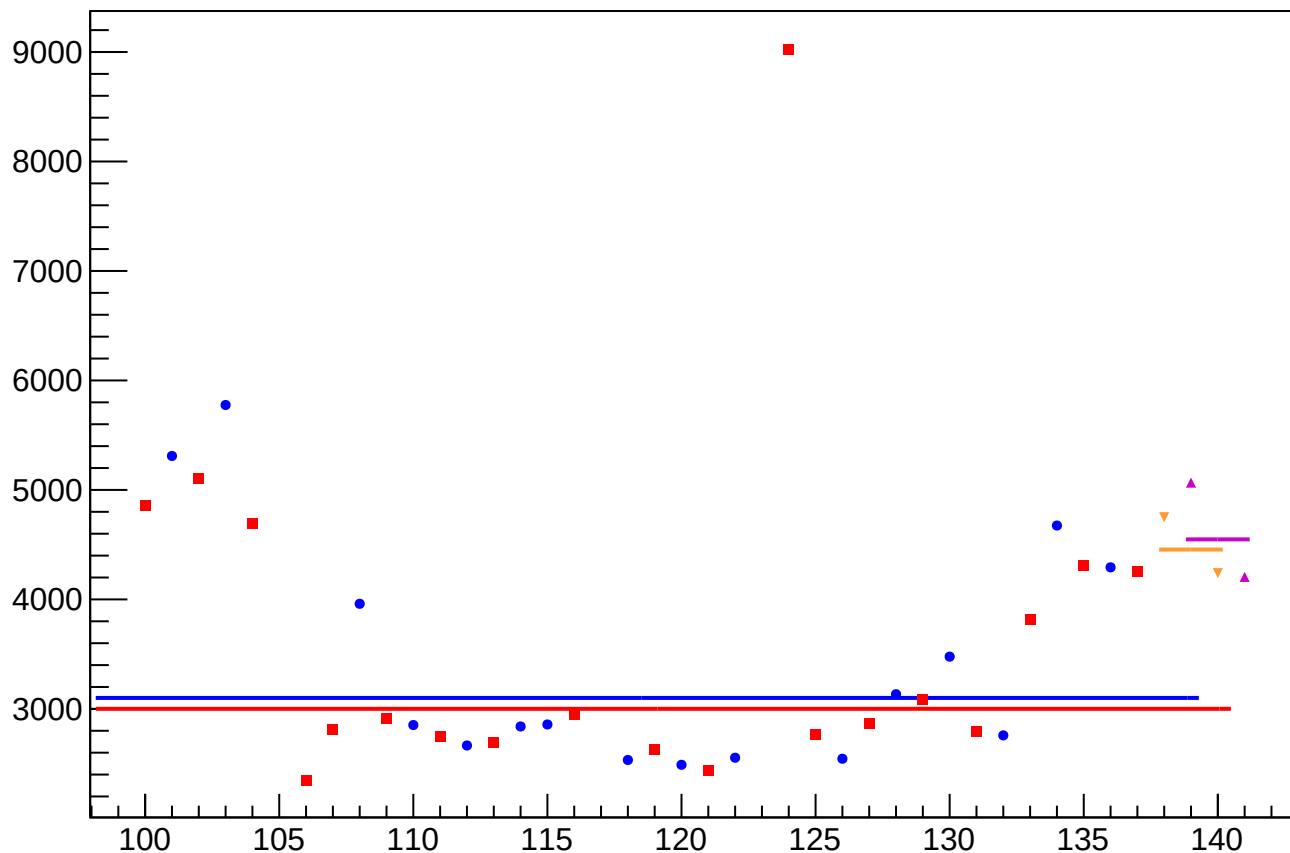
Left In: 2047.309 ± 3477.893 χ^2/NDF : 0.3/1

+ sign 142.667 ± 1133.484 χ^2/NDF : 19.2/17

All: 271.462 ± 787.558 χ^2/NDF : 32.6/38

- sign 391.673 ± 1095.060 χ^2/NDF : 13.4/20

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF : 963669.6/15

Left Out: 4455.412+/-2.488 χ^2/NDF :10274.3/1

Right Out: 3000.750+/-0.805 χ^2/NDF : 806601.4/18

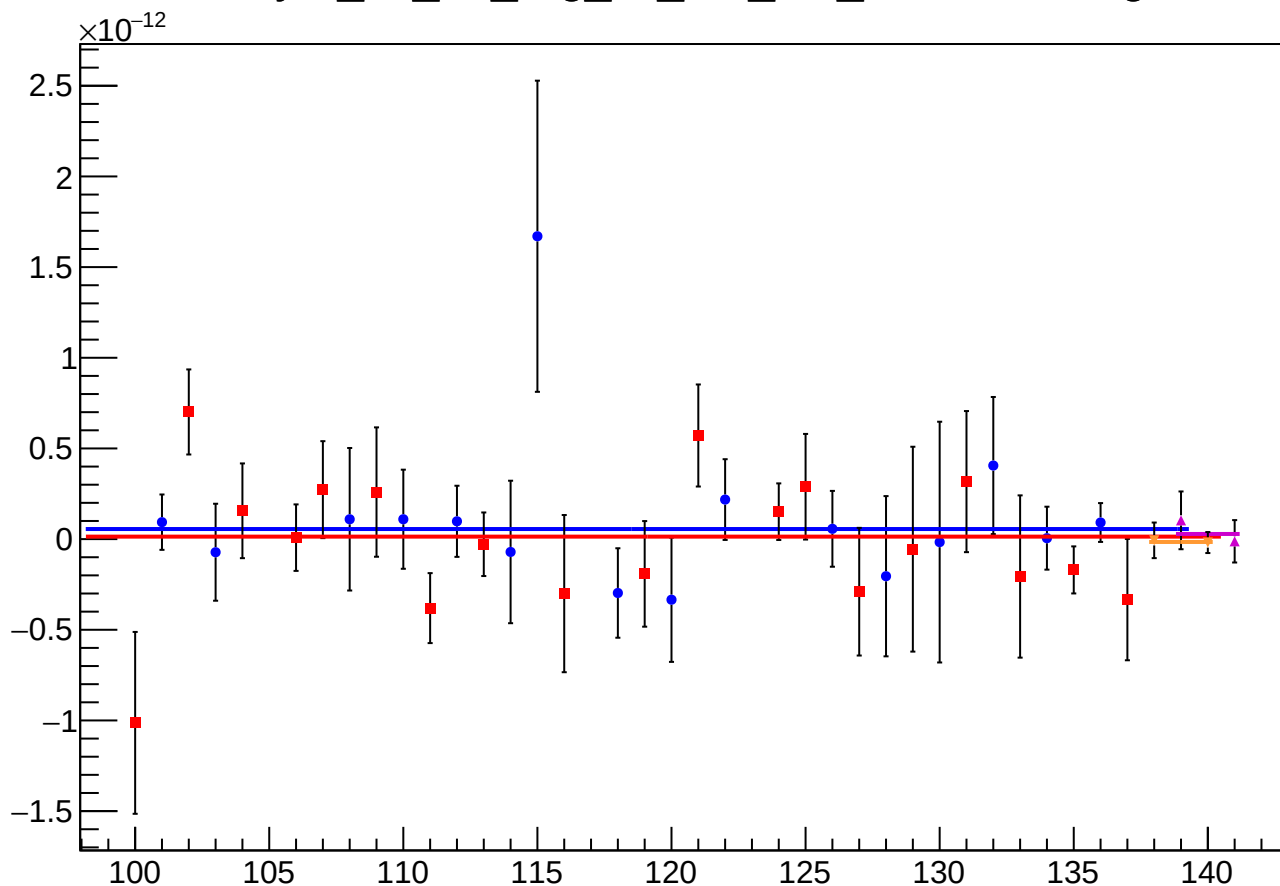
Left In: 4548.294+/-2.459 χ^2/NDF :29362.4/1

+ sign 3240.835+/-0.801 χ^2/NDF : 1239967.1/17

All: 3193.534+/-0.553 χ^2/NDF : 2440268.0/38

- sign 3150.455+/-0.765 χ^2/NDF : 1193646.0/20

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 9.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.0/18

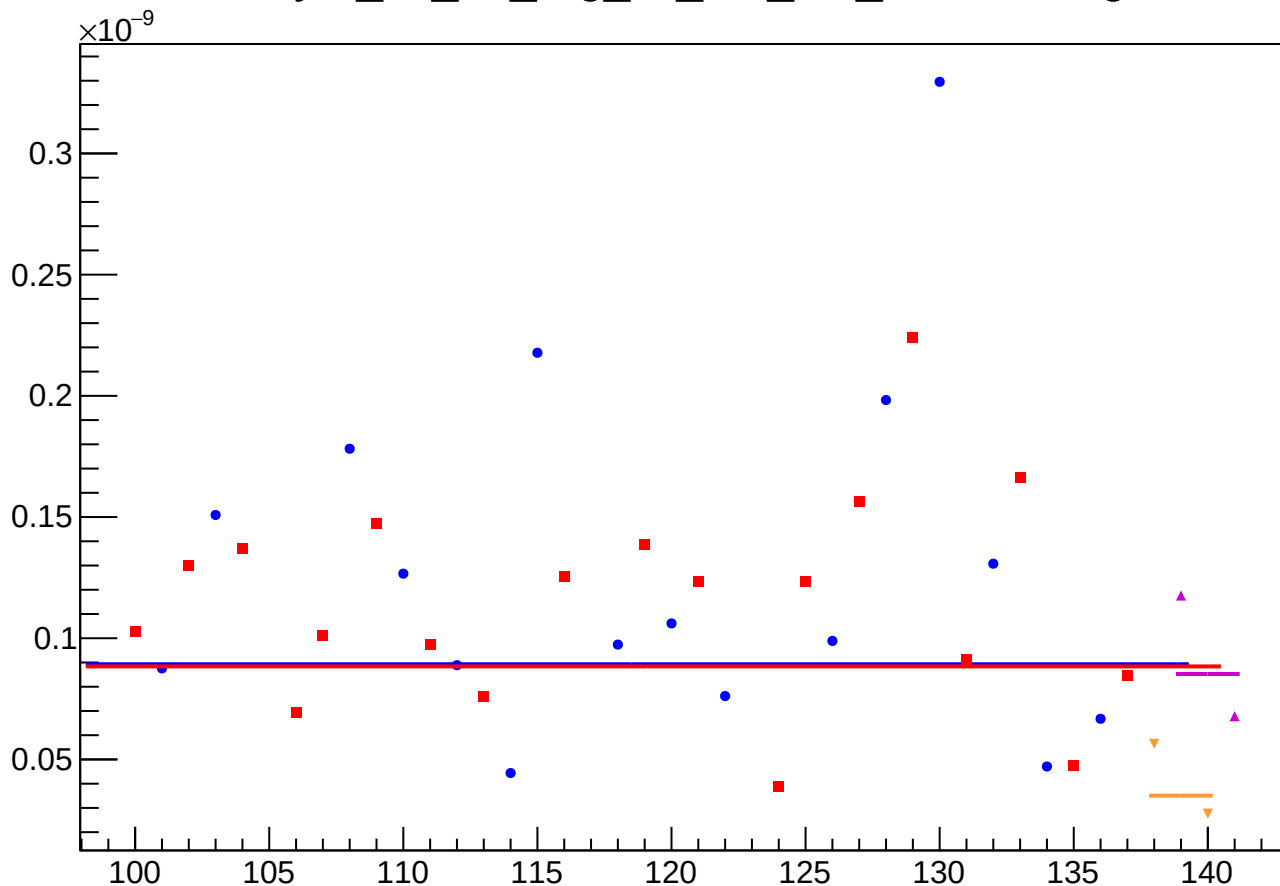
Left In: 0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign 0.000 ± 0.000 χ^2/NDF : 10.2/17

All: 0.000 ± 0.000 χ^2/NDF : 40.6/38

- sign 0.000 ± 0.000 χ^2/NDF : 30.4/20

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 949608.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 128067.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1013814.1/18

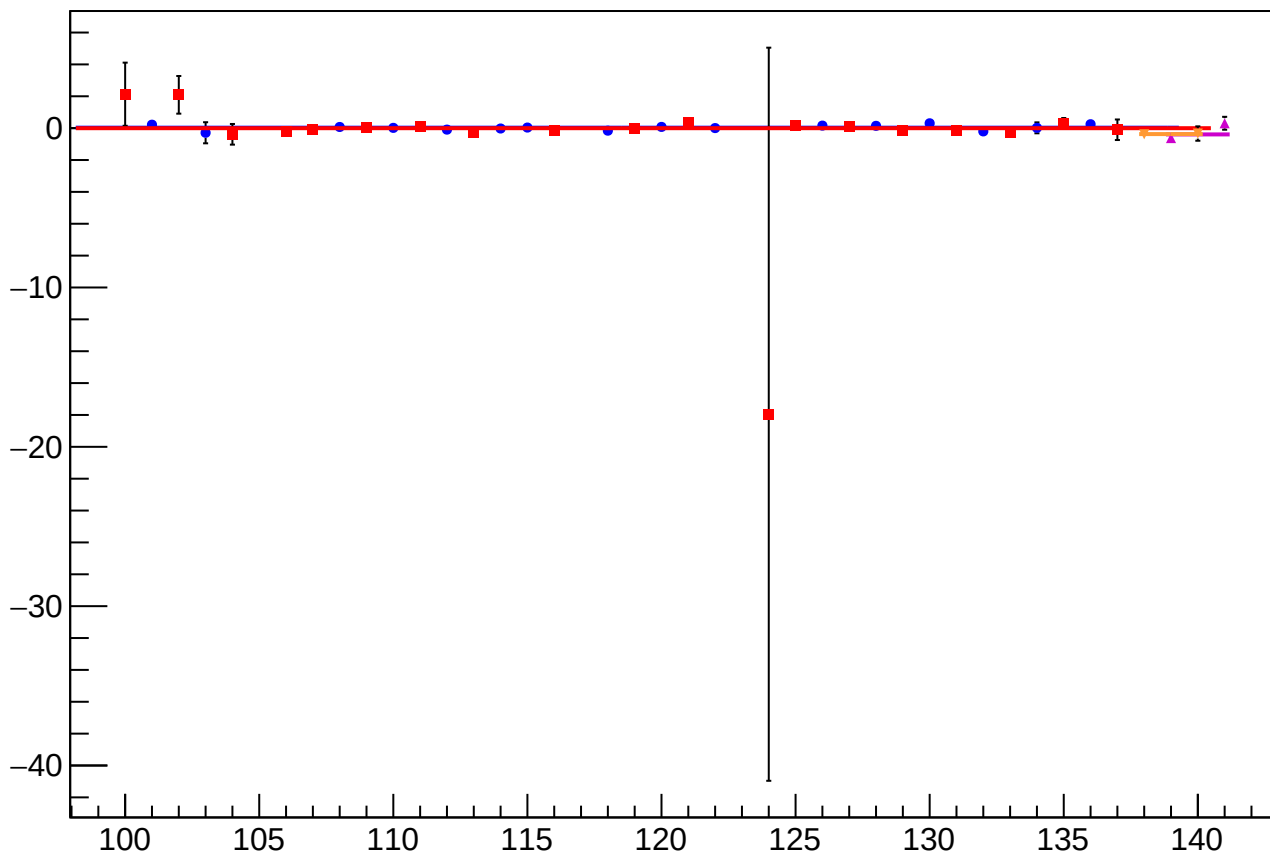
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 127040.7/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2112267.3/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 3701236.6/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1142471.8/20

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: -0.373 ± 0.246 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

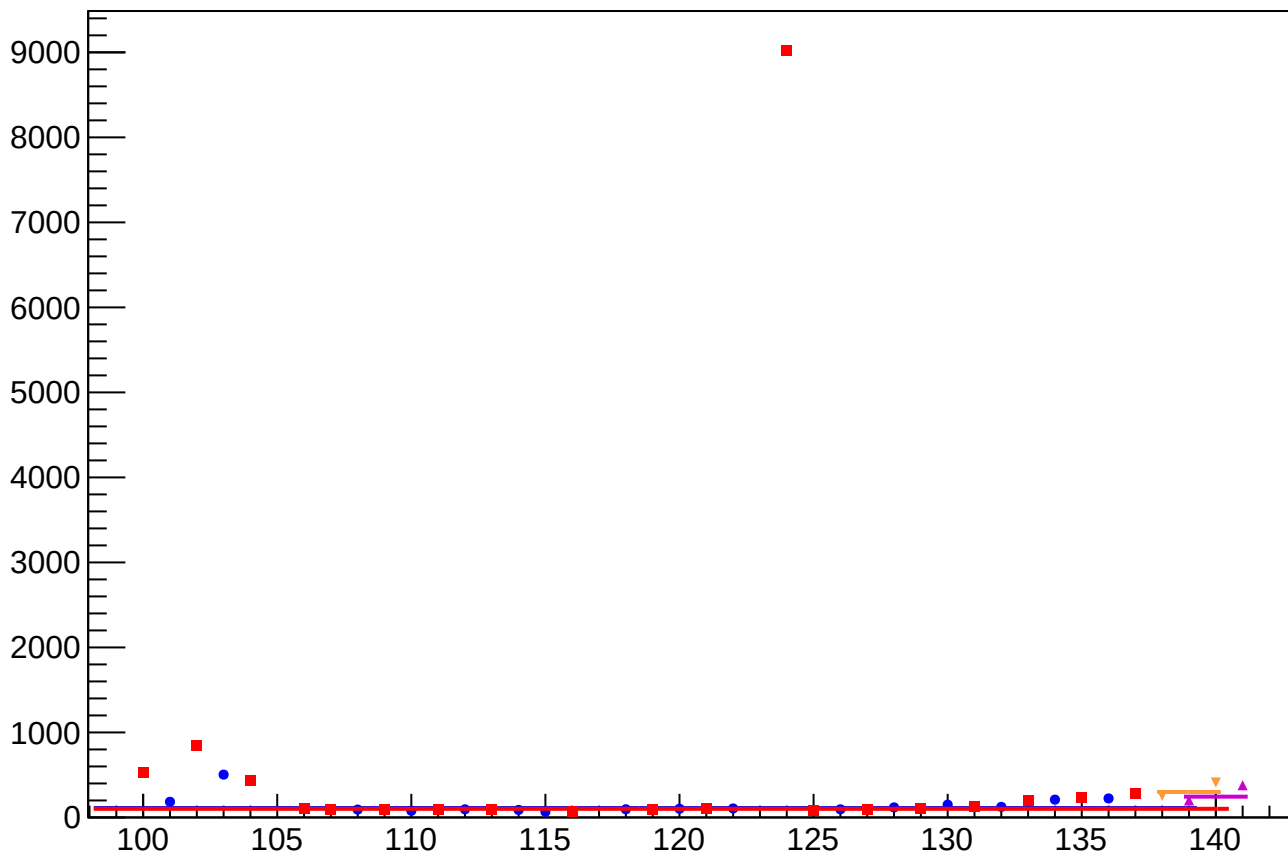
Left In: -0.393 ± 0.201 χ^2/NDF : 4.0/1

+ sign 0.015 ± 0.045 χ^2/NDF : 11.5/17

All: -0.004 ± 0.031 χ^2/NDF : 41.7/38

- sign -0.021 ± 0.042 χ^2/NDF : 29.9/20

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988 $\pm$ 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

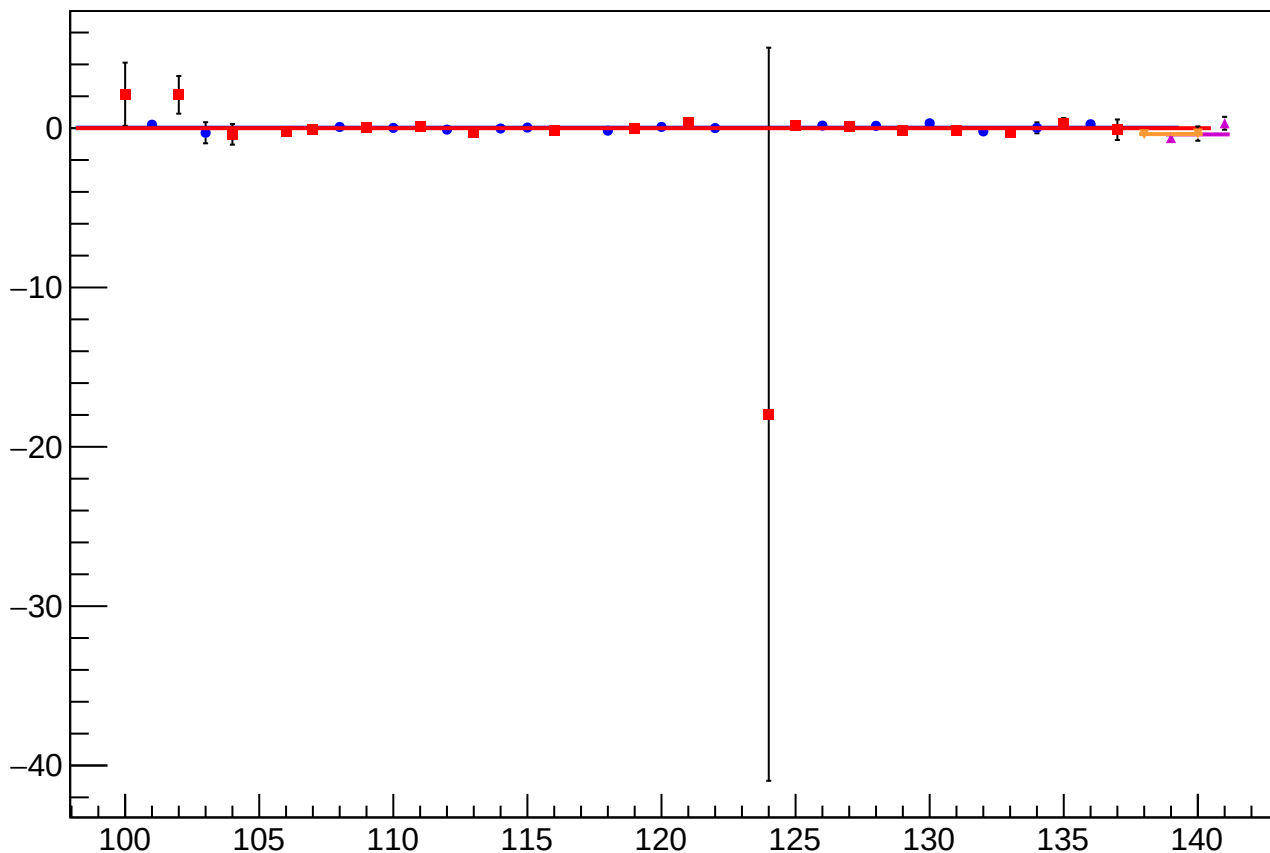
Left In: 244.644 $\pm$ 0.142 χ^2 /NDF:293529.3/1

+ sign 116.235 $\pm$ 0.032 χ^2 /NDF: 3259031.4/17

All: 112.015 $\pm$ 0.022 χ^2 /NDF: 7139208.7/38

- sign 108.193 $\pm$ 0.030 χ^2 /NDF: 3845980.8/20

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

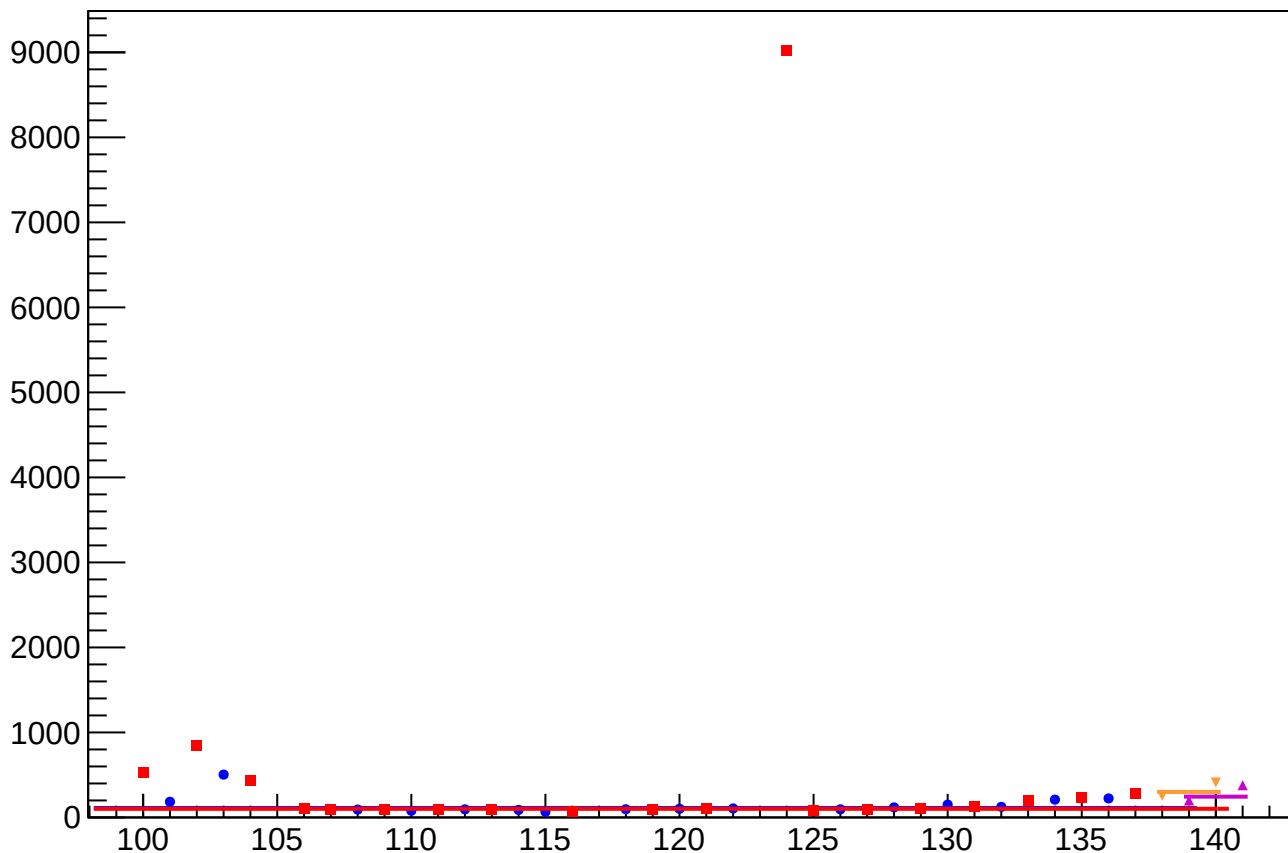
Left In: -0.393 ± 0.201 χ^2/NDF : 4.0/1

+ sign 0.015 ± 0.045 χ^2/NDF : 11.5/17

All: -0.004 ± 0.031 χ^2/NDF : 41.7/38

- sign -0.021 ± 0.042 χ^2/NDF : 29.9/20

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988 $\pm$ 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

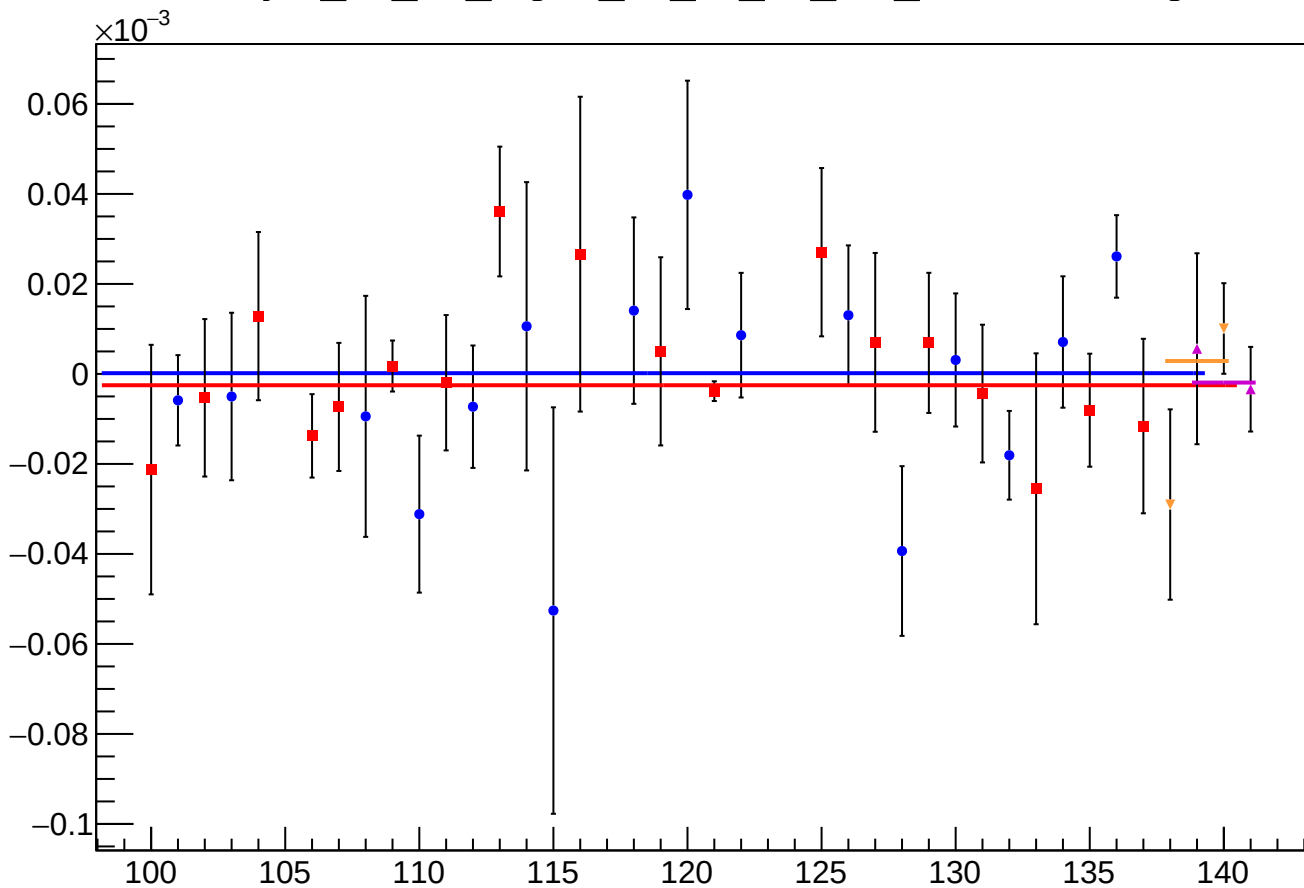
Left In: 244.644 $\pm$ 0.142 χ^2 /NDF:293529.3/1

+ sign 116.235 $\pm$ 0.032 χ^2 /NDF: 3259031.4/17

All: 112.015 $\pm$ 0.022 χ^2 /NDF: 7139208.7/38

- sign 108.193 $\pm$ 0.030 χ^2 /NDF: 3845980.8/20

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.8/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.8/17

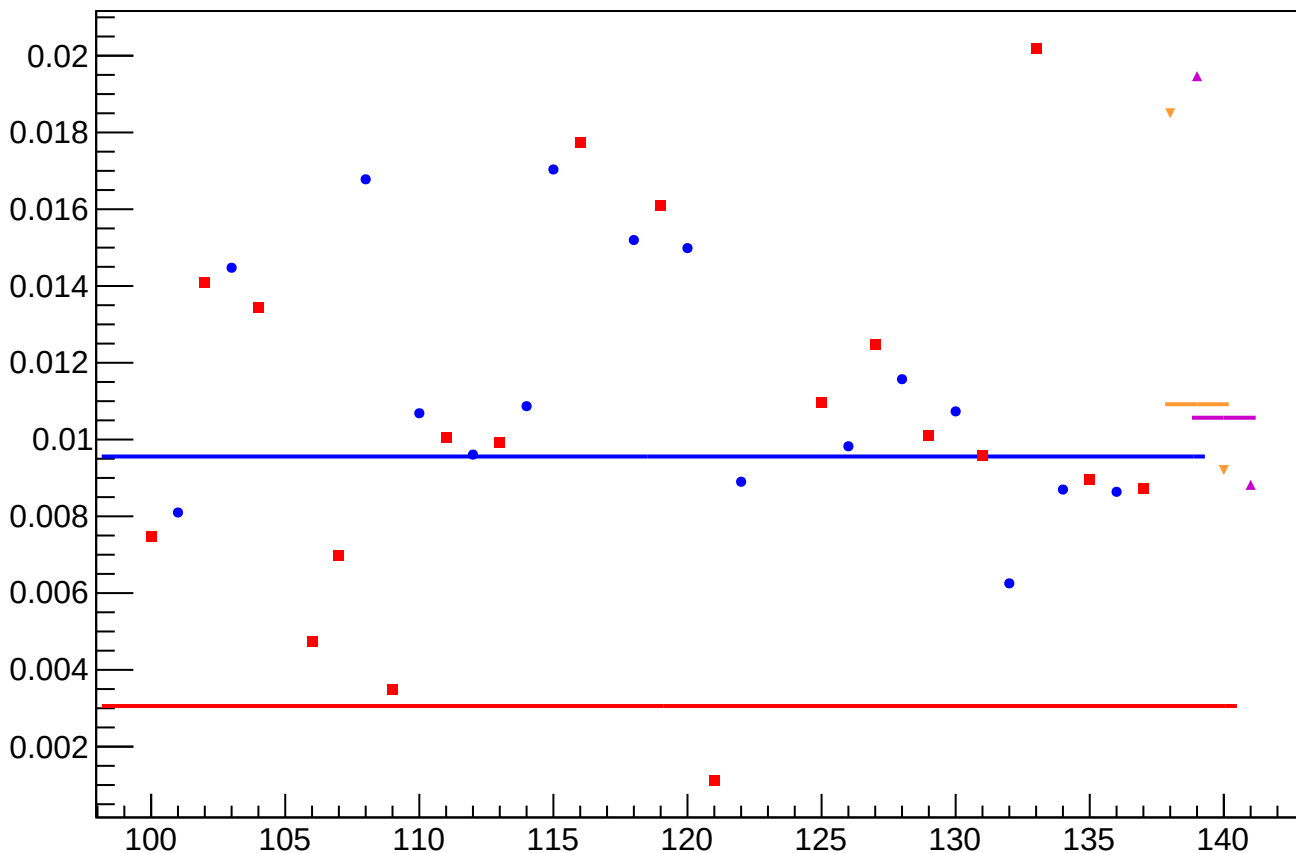
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign 0.000 ± 0.000 χ^2/NDF : 28.5/17

All: -0.000 ± 0.000 χ^2/NDF : 45.0/37

- sign -0.000 ± 0.000 χ^2/NDF : 15.9/19

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

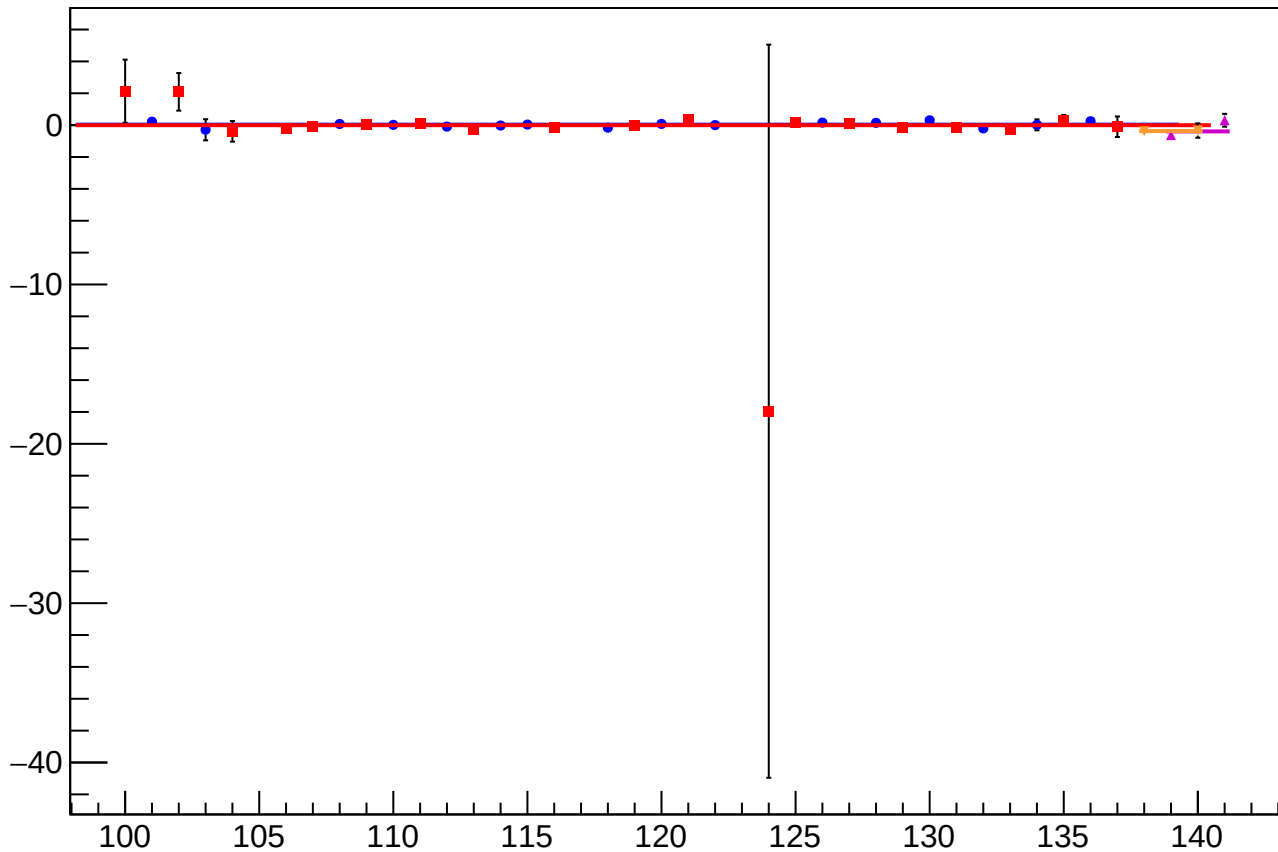
Left In: 0.011+/-0.000 χ^2/NDF : 420850.9/1

+ sign 0.010+/-0.000 χ^2/NDF : 1279385.7/17

All: 0.005+/-0.000 χ^2/NDF : 16656565.3/37

- sign 0.003+/-0.000 χ^2/NDF : 10003171.6/19

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: -0.373 ± 0.246 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

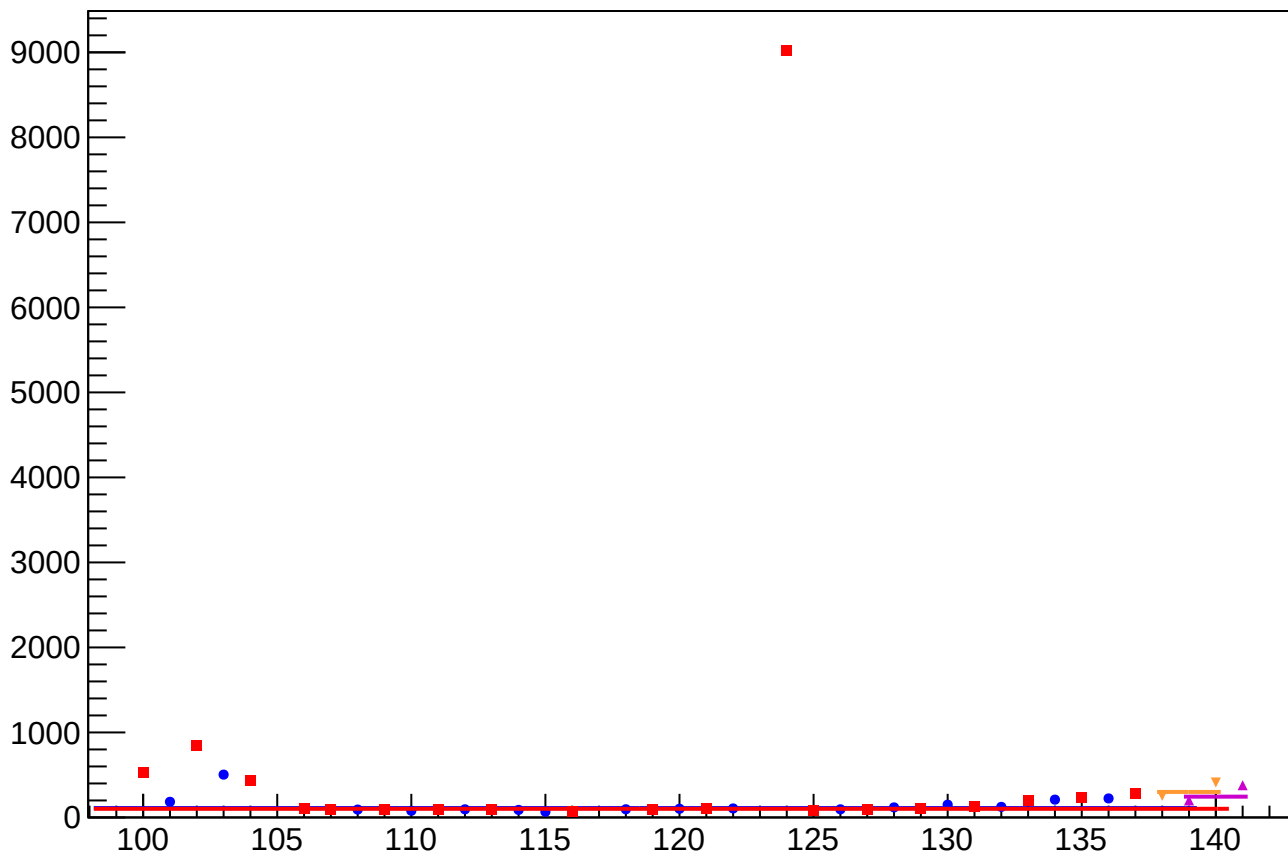
Left In: -0.393 ± 0.201 χ^2/NDF : 4.0/1

+ sign 0.015 ± 0.045 χ^2/NDF : 11.5/17

All: -0.004 ± 0.031 χ^2/NDF : 41.7/38

- sign -0.021 ± 0.042 χ^2/NDF : 29.9/20

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989 $\pm$ 0.032 χ^2 /NDF: 1930489.2/15

Left Out: 300.106 $\pm$ 0.174 χ^2 /NDF: 171075.3/1

Right Out: 101.853 $\pm$ 0.031 χ^2 /NDF: 2589710.5/18

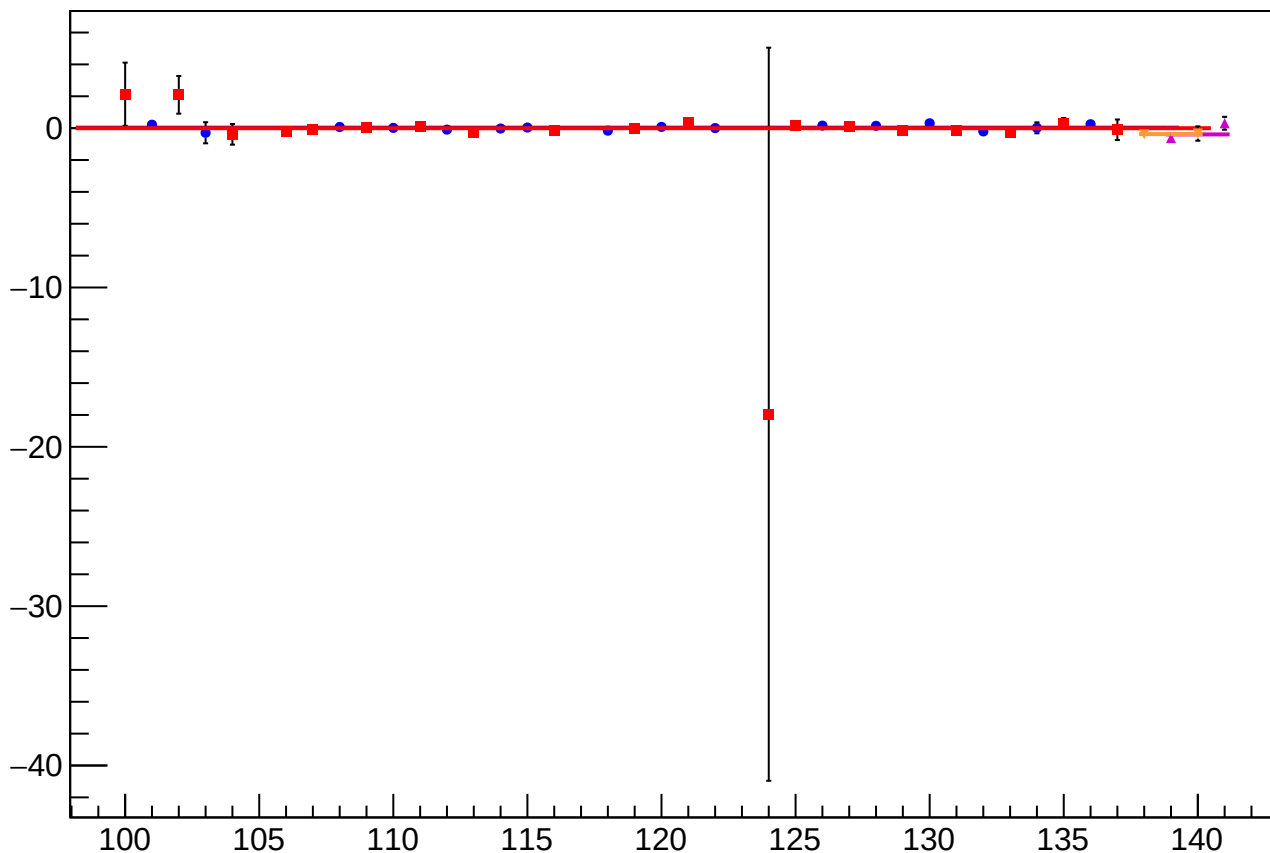
Left In: 244.651 $\pm$ 0.142 χ^2 /NDF: 293515.2/1

+ sign 116.236 $\pm$ 0.032 χ^2 /NDF: 3258971.1/17

All: 112.016 $\pm$ 0.022 χ^2 /NDF: 7139077.0/38

- sign 108.194 $\pm$ 0.030 χ^2 /NDF: 3845913.4/20

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

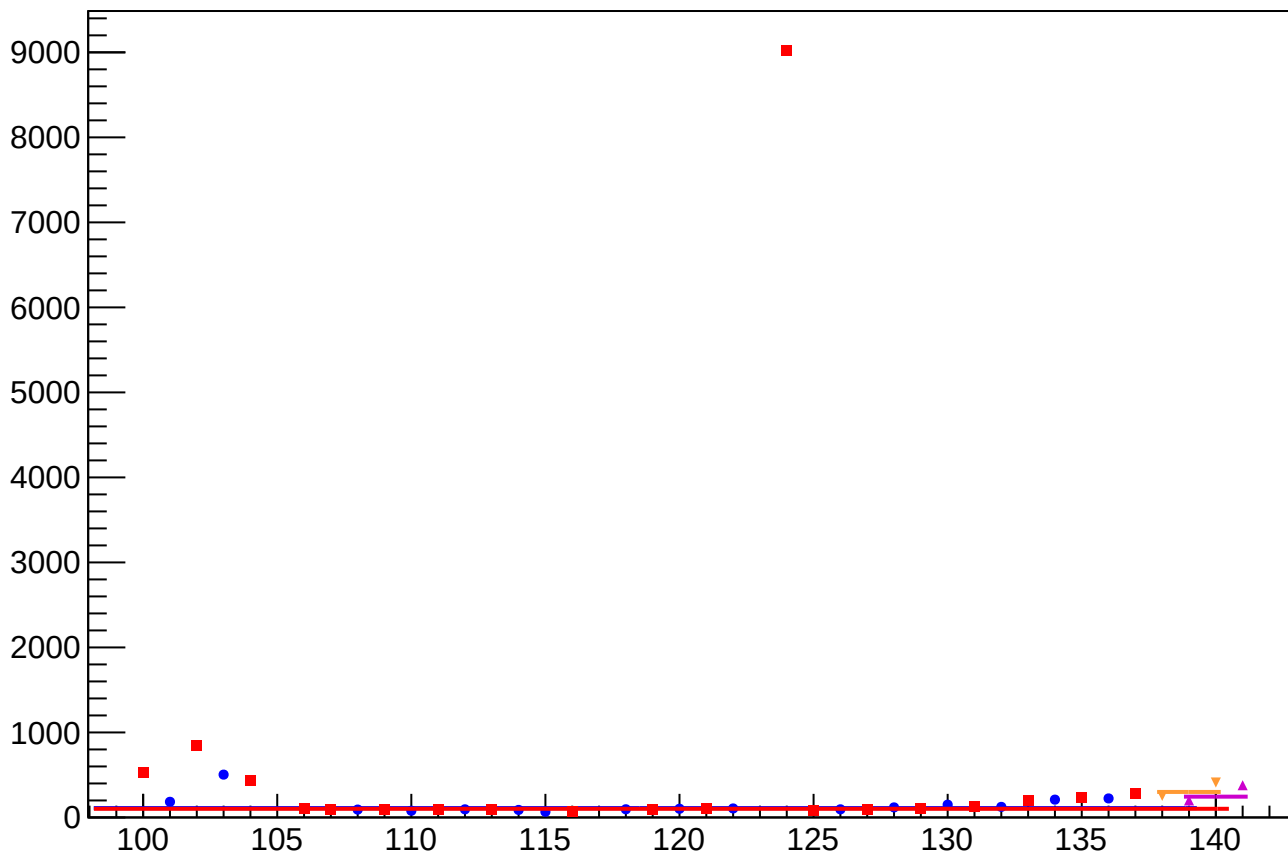
Left In: -0.393 $\pm$ 0.201 χ^2 /NDF: 4.0/1

+ sign 0.015 $\pm$ 0.045 χ^2 /NDF: 11.5/17

All: -0.004 $\pm$ 0.031 χ^2 /NDF: 41.7/38

- sign -0.021 $\pm$ 0.042 χ^2 /NDF: 29.9/20

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989 $\pm$ 0.032 χ^2 /NDF: 1930489.2/15

Left Out: 300.106 $\pm$ 0.174 χ^2 /NDF:171075.3/1

Right Out: 101.853 $\pm$ 0.031 χ^2 /NDF: 2589710.5/18

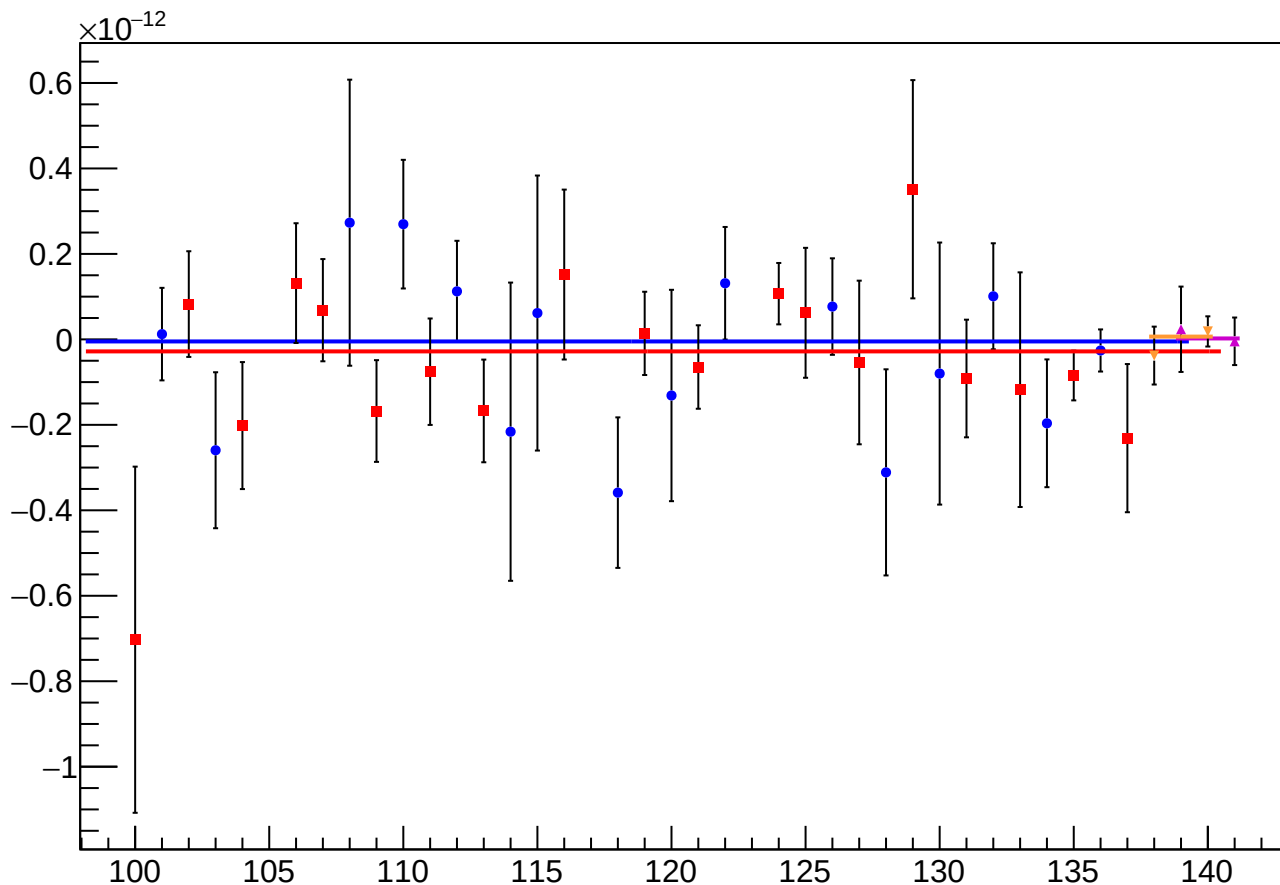
Left In: 244.651 $\pm$ 0.142 χ^2 /NDF:293515.2/1

+ sign 116.236 $\pm$ 0.032 χ^2 /NDF: 3258971.1/17

All: 112.016 $\pm$ 0.022 χ^2 /NDF: 7139077.0/38

- sign 108.194 $\pm$ 0.030 χ^2 /NDF: 3845913.4/20

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/18

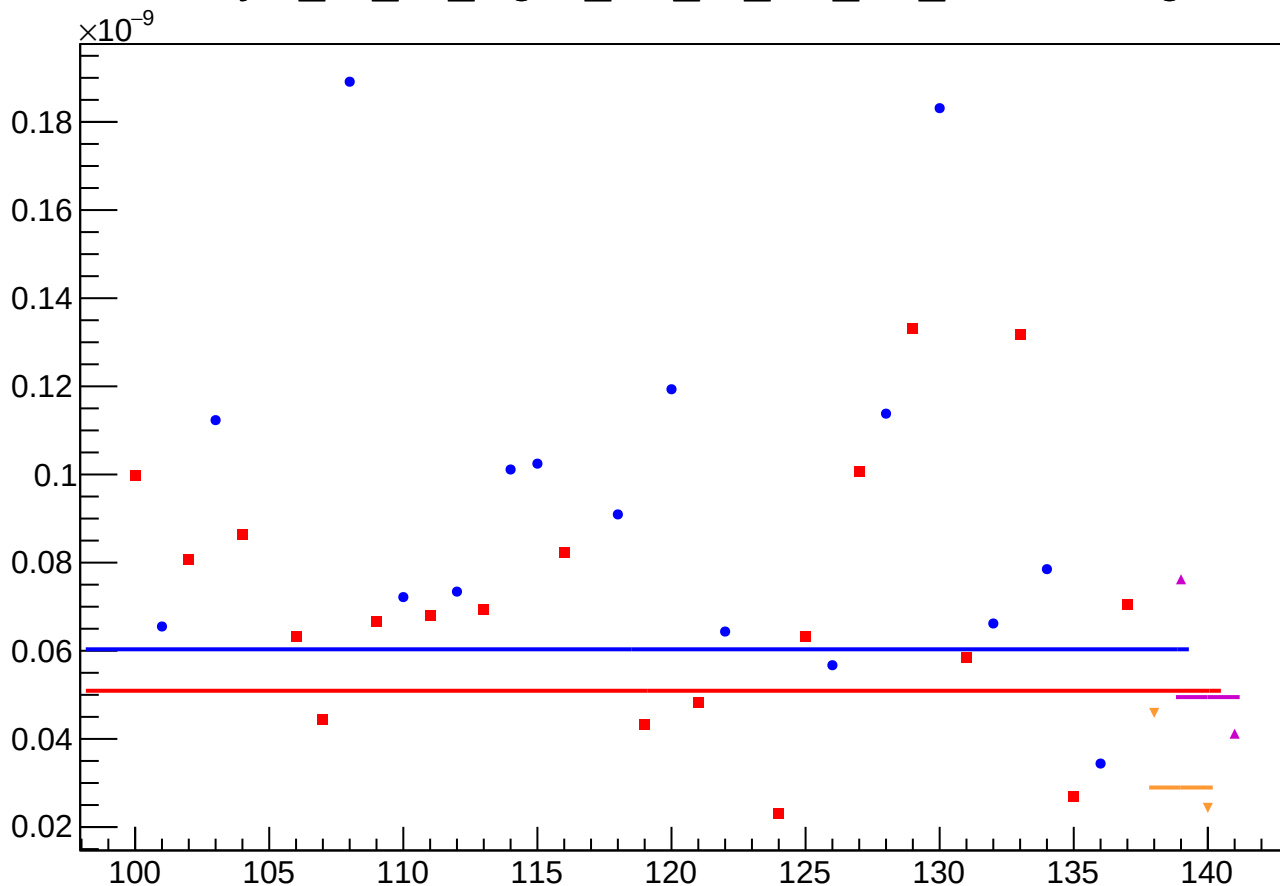
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/20

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :159047.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1667004.7/18

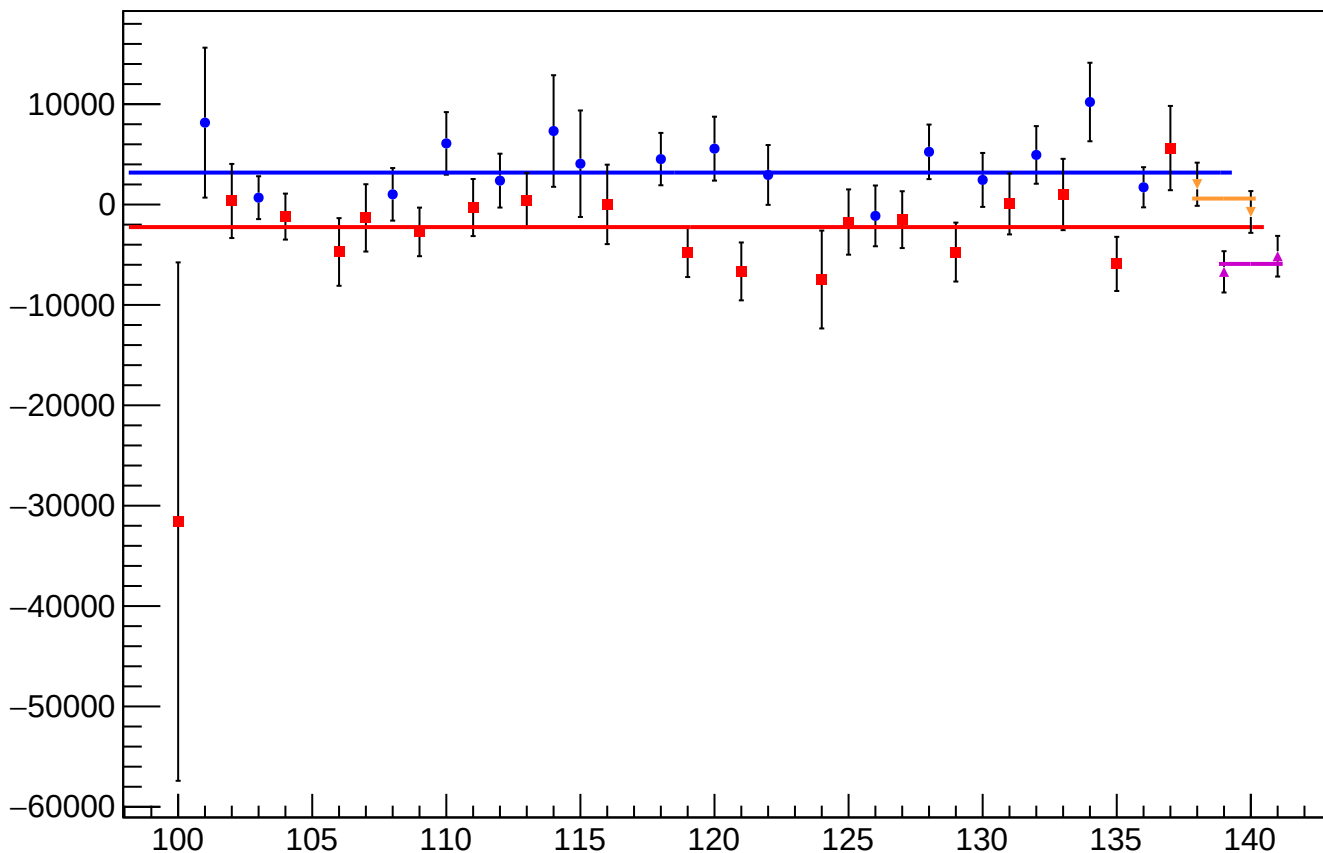
Left In: 0.000+/-0.000 χ^2/NDF :187850.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 2893382.5/17

All: 0.000+/-0.000 χ^2/NDF : 4820578.4/38

- sign 0.000+/-0.000 χ^2/NDF : 1856188.5/20

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705 $\pm$ 731.133 χ^2 /NDF: 11.7/15

Left Out: 595.425 $\pm$ 1494.986 χ^2 /NDF: 0.9/1

Right Out: -2246.057 $\pm$ 710.912 χ^2 /NDF: 16.5/18

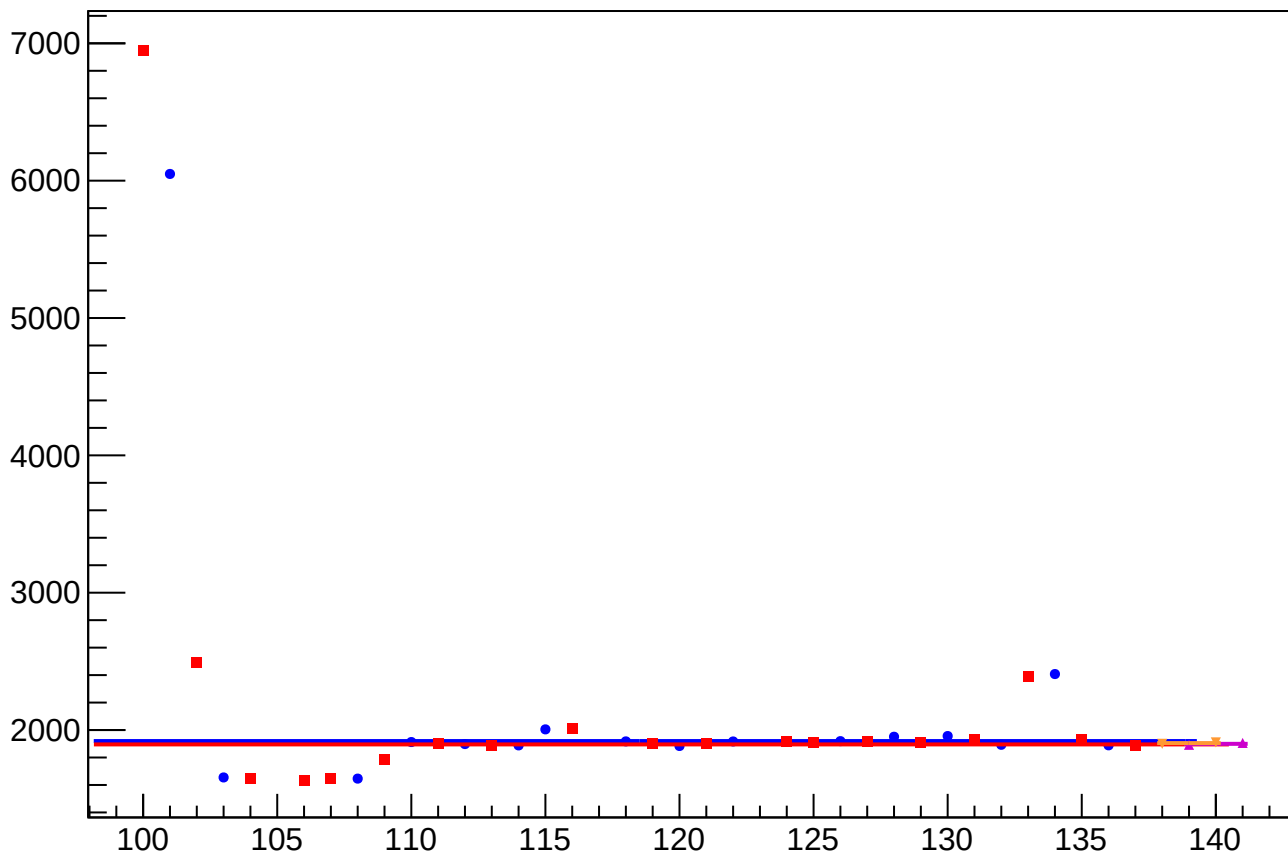
Left In: -5914.592 $\pm$ 1443.519 χ^2 /NDF: 0.3/1

+ sign 2684.135 $\pm$ 656.795 χ^2 /NDF: 15.0/17

All: -221.992 $\pm$ 457.547 χ^2 /NDF: 75.0/38

- sign -2962.148 $\pm$ 637.764 χ^2 /NDF: 22.0/20

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF : 697331.5/15

Left Out: 1904.983+/-1.057 χ^2/NDF : 23.6/1

Right Out: 1895.361+/-0.501 χ^2/NDF : 222273.9/18

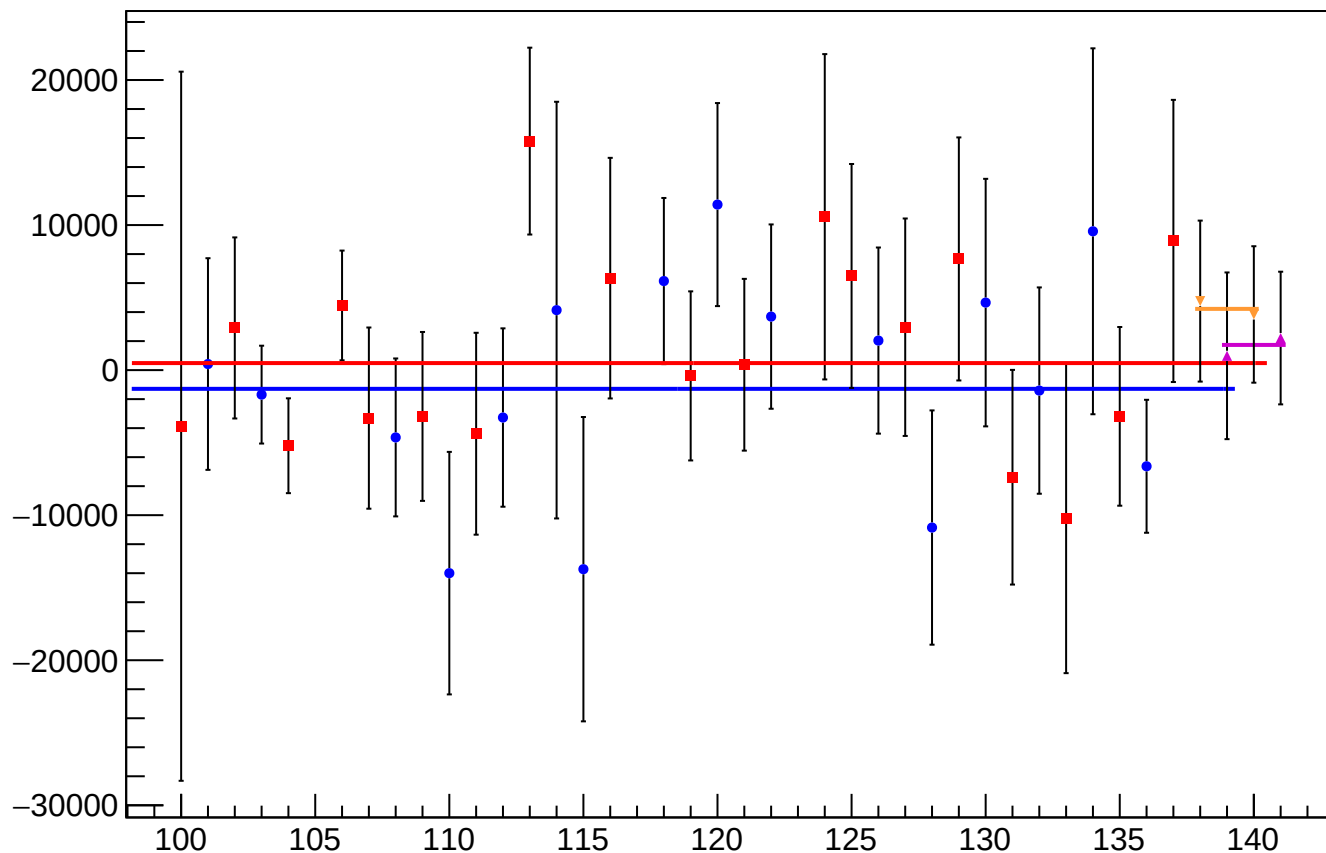
Left In: 1899.488+/-1.021 χ^2/NDF : 45.5/1

+ sign 1916.962+/-0.464 χ^2/NDF : 697514.2/17

All: 1906.227+/-0.323 χ^2/NDF : 920881.9/38

- sign 1896.162+/-0.450 χ^2/NDF : 222332.6/20

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

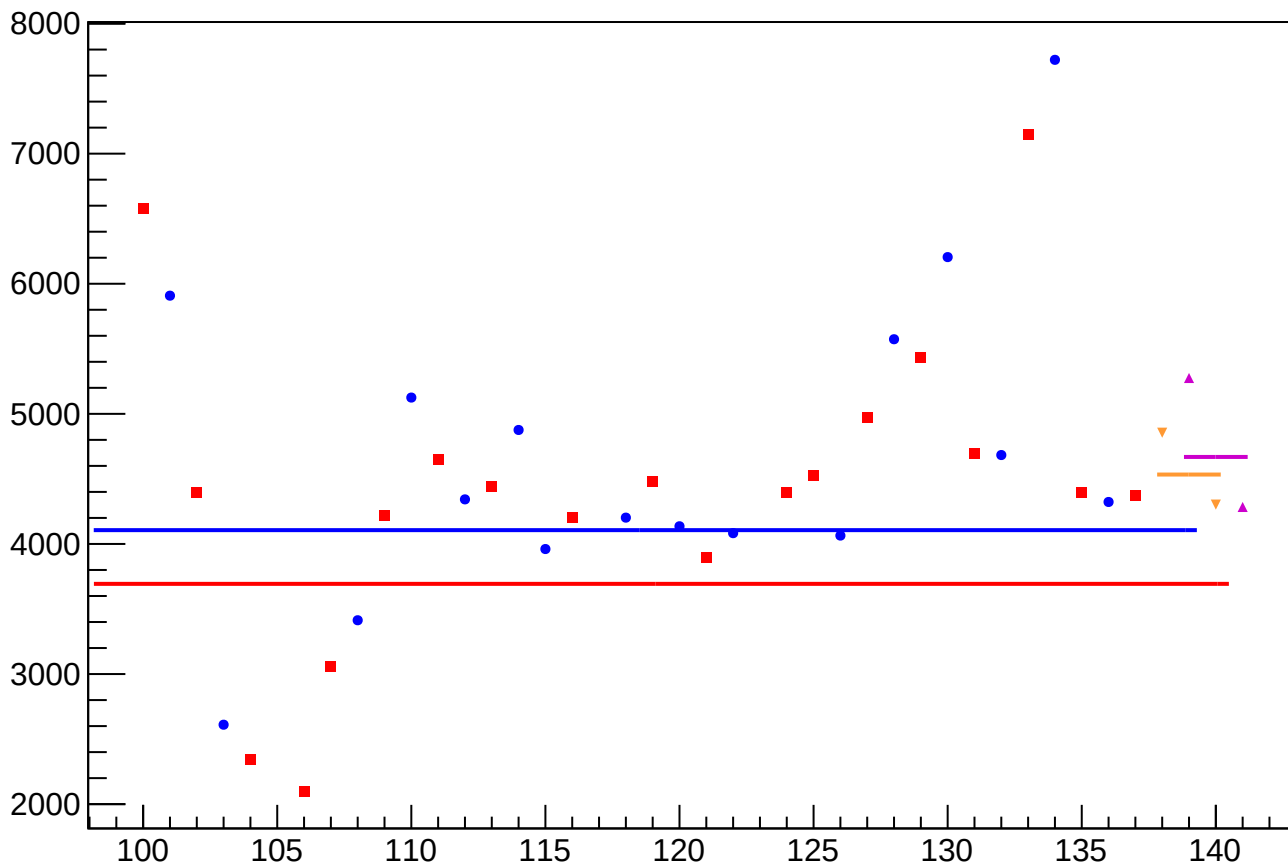
Left In: 1736.607 ± 3578.241 χ^2/NDF : 0.0/1

+ sign -390.041 ± 1450.177 χ^2/NDF : 16.2/17

All: 178.289 ± 981.730 χ^2/NDF : 33.9/38

- sign 659.104 ± 1333.858 χ^2/NDF : 17.4/20

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF : 956130.4/15

Left Out: 4533.503+/-2.537 χ^2/NDF : 11543.2/1

Right Out: 3693.266+/-1.016 χ^2/NDF : 1356643.3/18

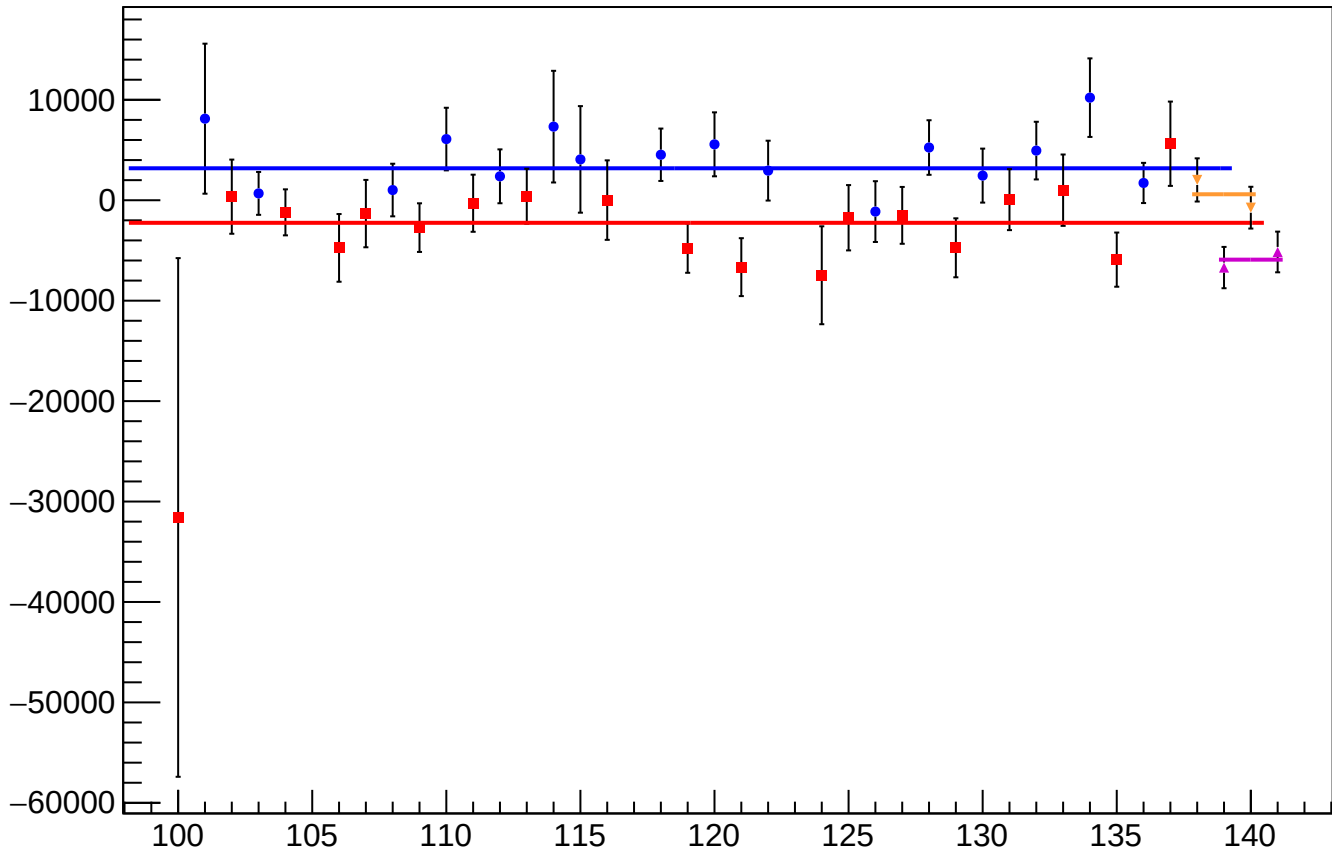
Left In: 4668.775+/-2.530 χ^2/NDF : 36443.9/1

+ sign 4175.949+/-1.025 χ^2/NDF : 991411.0/17

All: 3987.907+/-0.694 χ^2/NDF : 2574566.3/38

- sign 3828.820+/-0.943 χ^2/NDF : 1521077.8/20

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

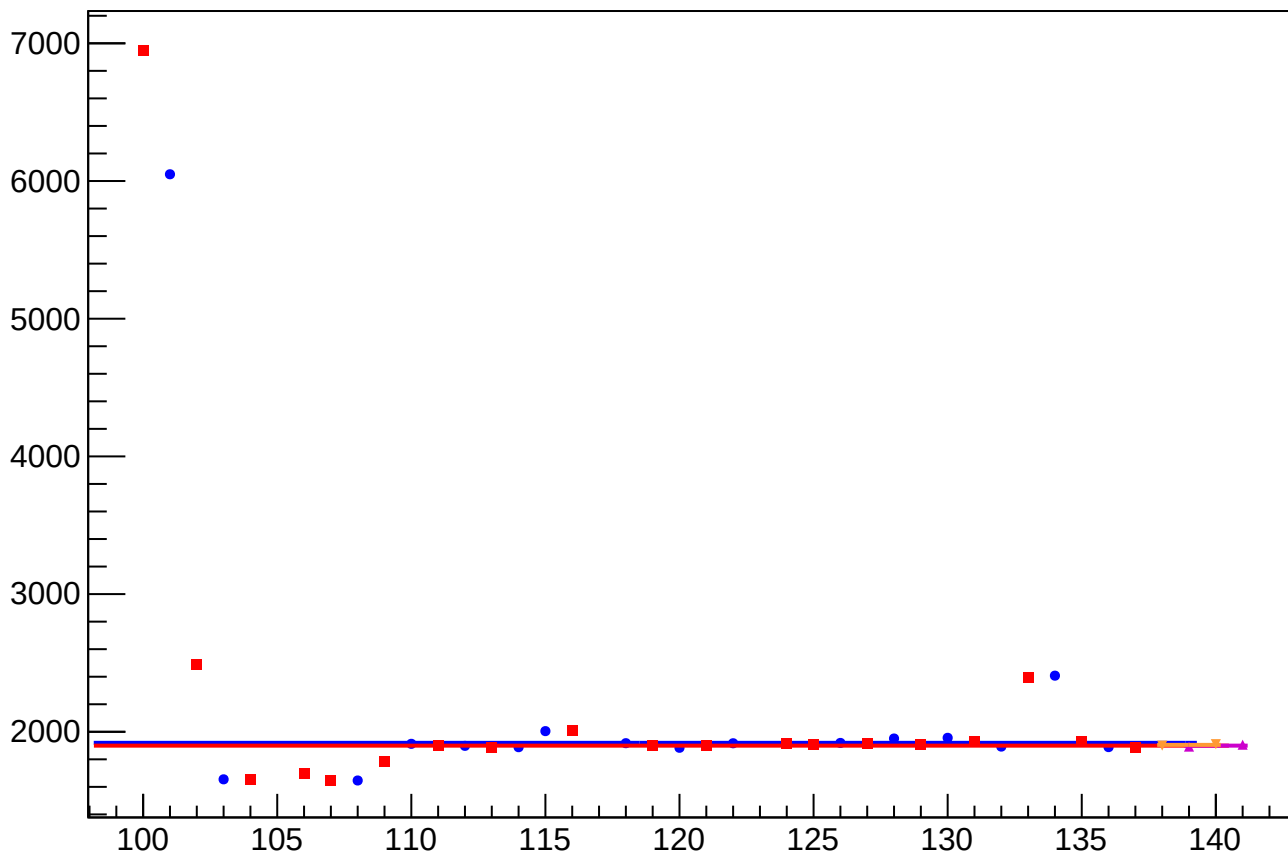
Left In: -5914.957 ± 1443.519 χ^2/NDF : 0.3/1

+ sign 2683.554 ± 656.795 χ^2/NDF : 15.0/17

All: -222.772 ± 457.549 χ^2/NDF : 75.0/38

- sign -2963.140 ± 637.767 χ^2/NDF : 22.0/20

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

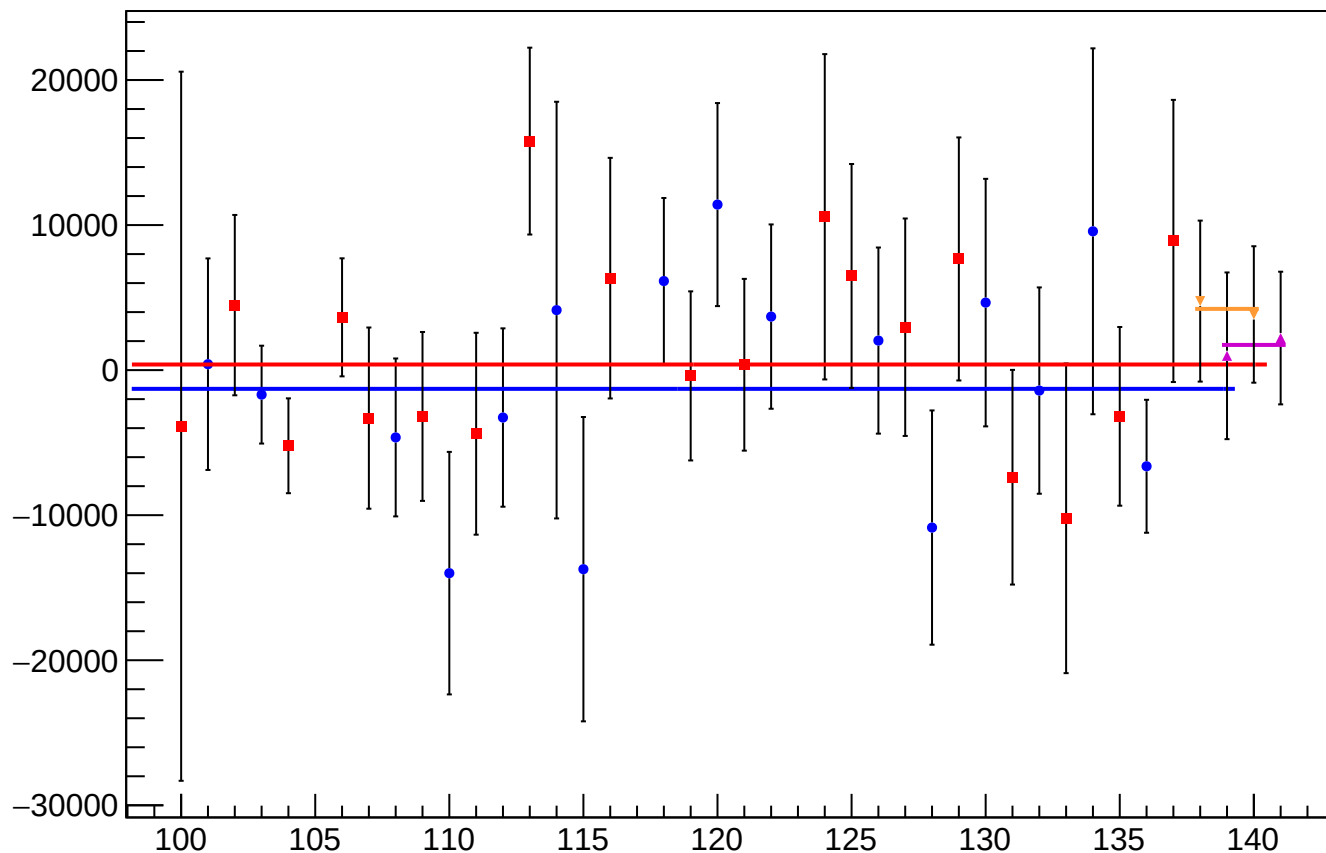
Left In: 1899.488 $\pm$ 1.021 χ^2 /NDF: 45.5/1

+ sign 1916.962 $\pm$ 0.464 χ^2 /NDF: 697513.4/17

All: 1907.906 $\pm$ 0.323 χ^2 /NDF: 913950.9/38

- sign 1899.388 $\pm$ 0.450 χ^2 /NDF: 215699.6/20

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

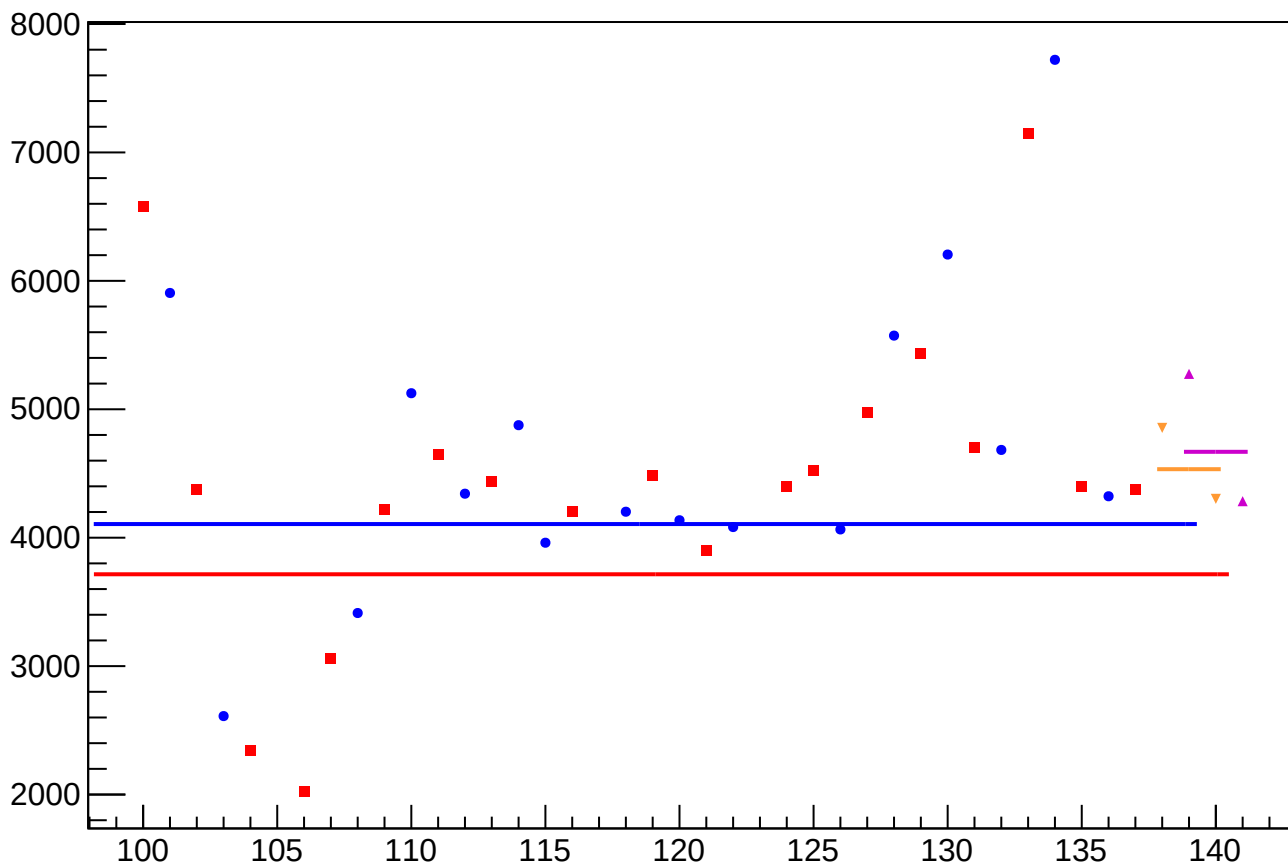
Left In: 1736.830 ± 3578.243 χ^2/NDF : 0.0/1

+ sign -390.365 ± 1450.178 χ^2/NDF : 16.2/17

All: 130.324 ± 986.176 χ^2/NDF : 33.6/38

- sign 578.273 ± 1345.073 χ^2/NDF : 17.2/20

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

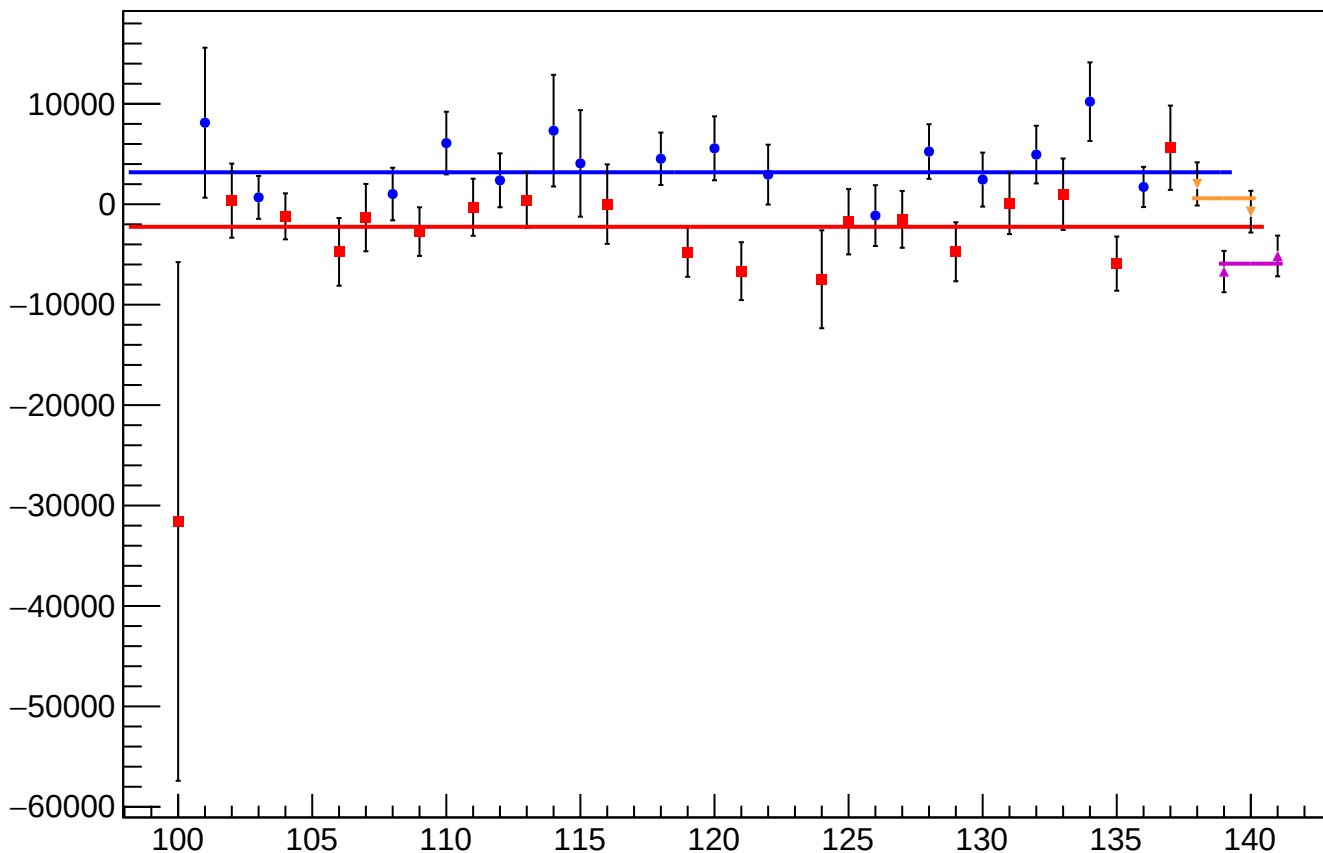
Left In: 4668.777+/-2.530 χ^2/NDF : 36445.4/1

+ sign 4176.024+/-1.025 χ^2/NDF : 990899.8/17

All: 4000.741+/-0.697 χ^2/NDF : 2538768.2/38

- sign 3849.946+/-0.951 χ^2/NDF : 1493512.2/20

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

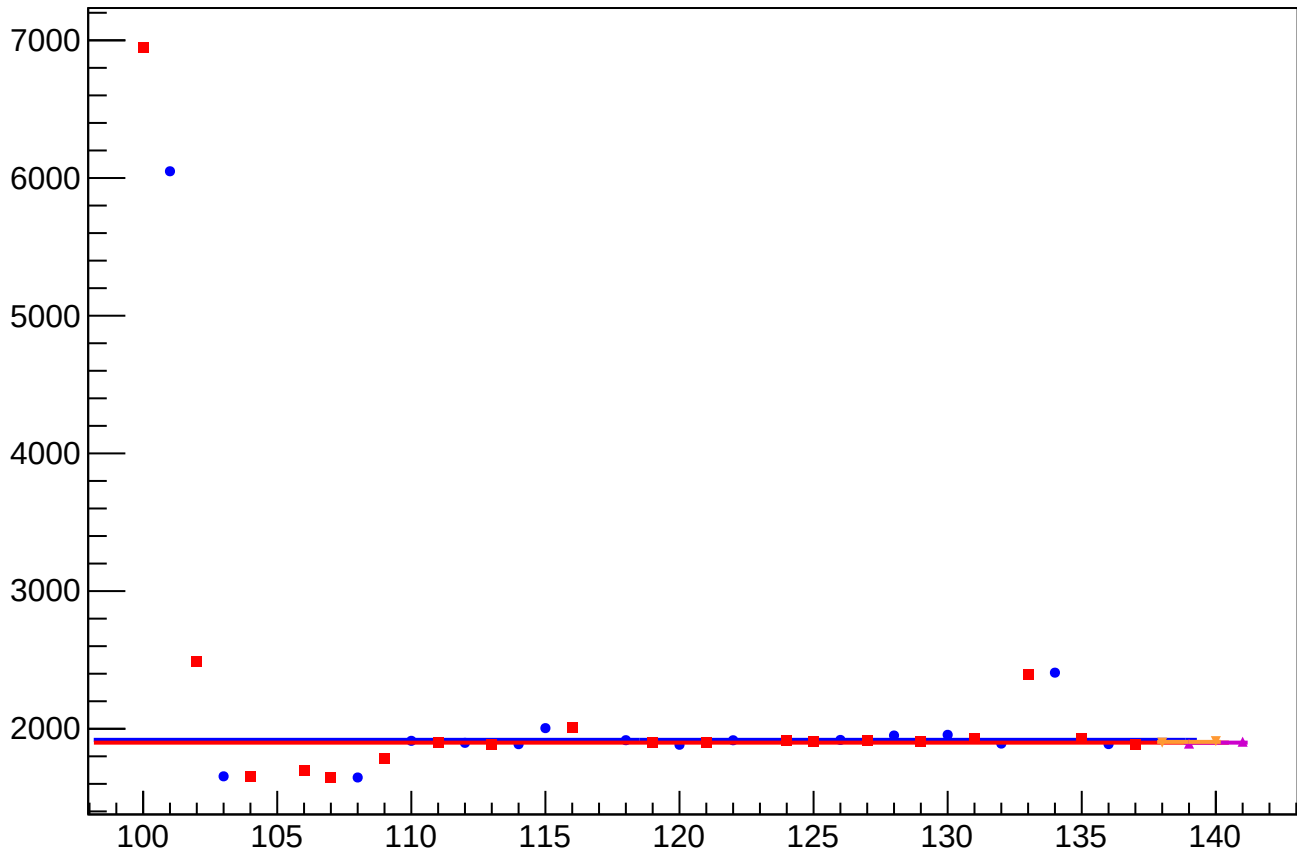
Left In: -5914.957+/-1443.519 χ^2/NDF : 0.3/1

+ sign 2683.554+/-656.795 χ^2/NDF : 15.0/17

All: -222.772+/-457.549 χ^2/NDF : 75.0/38

- sign -2963.140+/-637.767 χ^2/NDF : 22.0/20

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

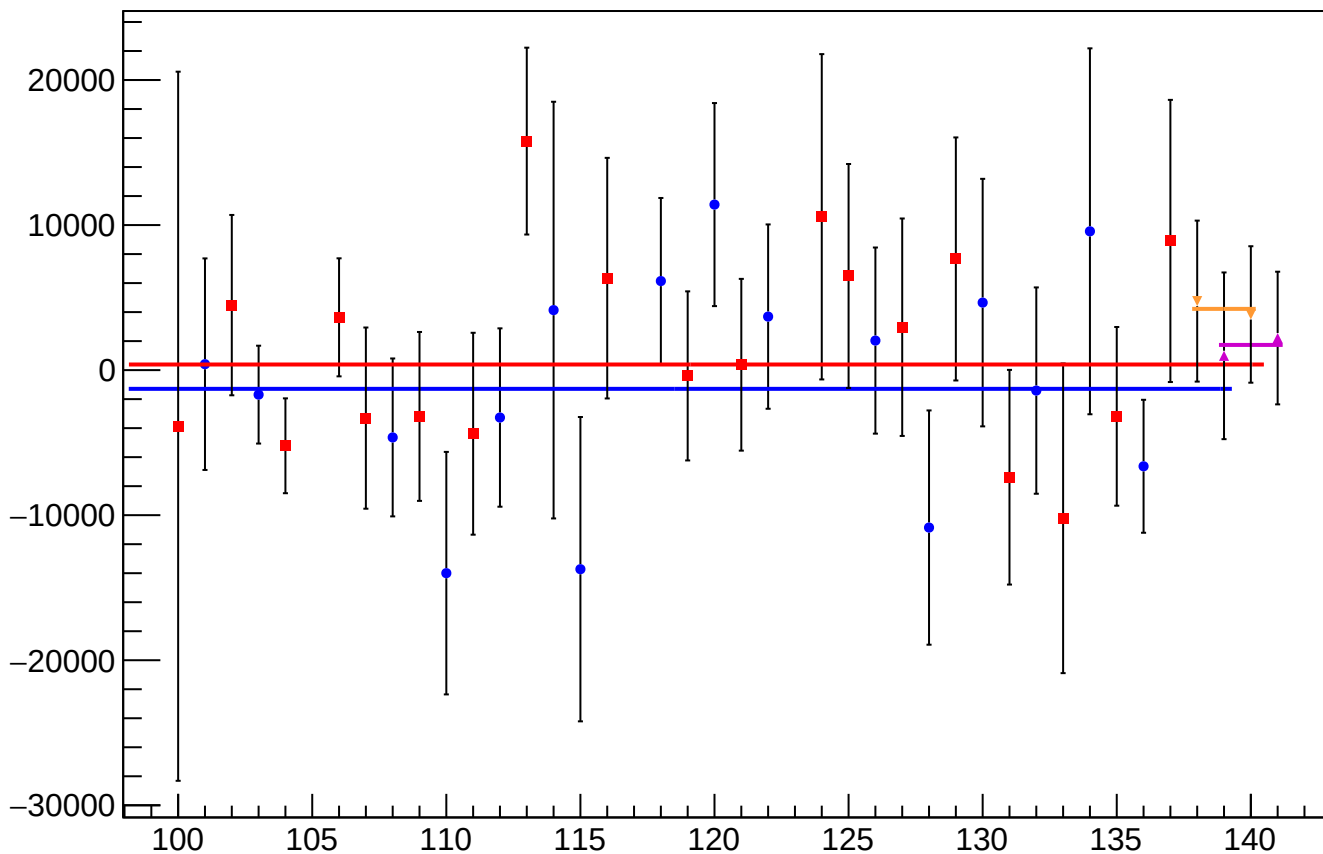
Left In: 1899.488 $\pm$ 1.021 χ^2 /NDF: 45.5/1

+ sign 1916.962 $\pm$ 0.464 χ^2 /NDF: 697513.4/17

All: 1907.906 $\pm$ 0.323 χ^2 /NDF: 913950.9/38

- sign 1899.388 $\pm$ 0.450 χ^2 /NDF: 215699.6/20

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862 $\pm$ 1585.435 χ^2 /NDF: 14.3/15

Left Out: 4221.941 $\pm$ 3588.115 χ^2 /NDF: 0.0/1

Right Out: 387.626 $\pm$ 1451.530 χ^2 /NDF: 17.0/18

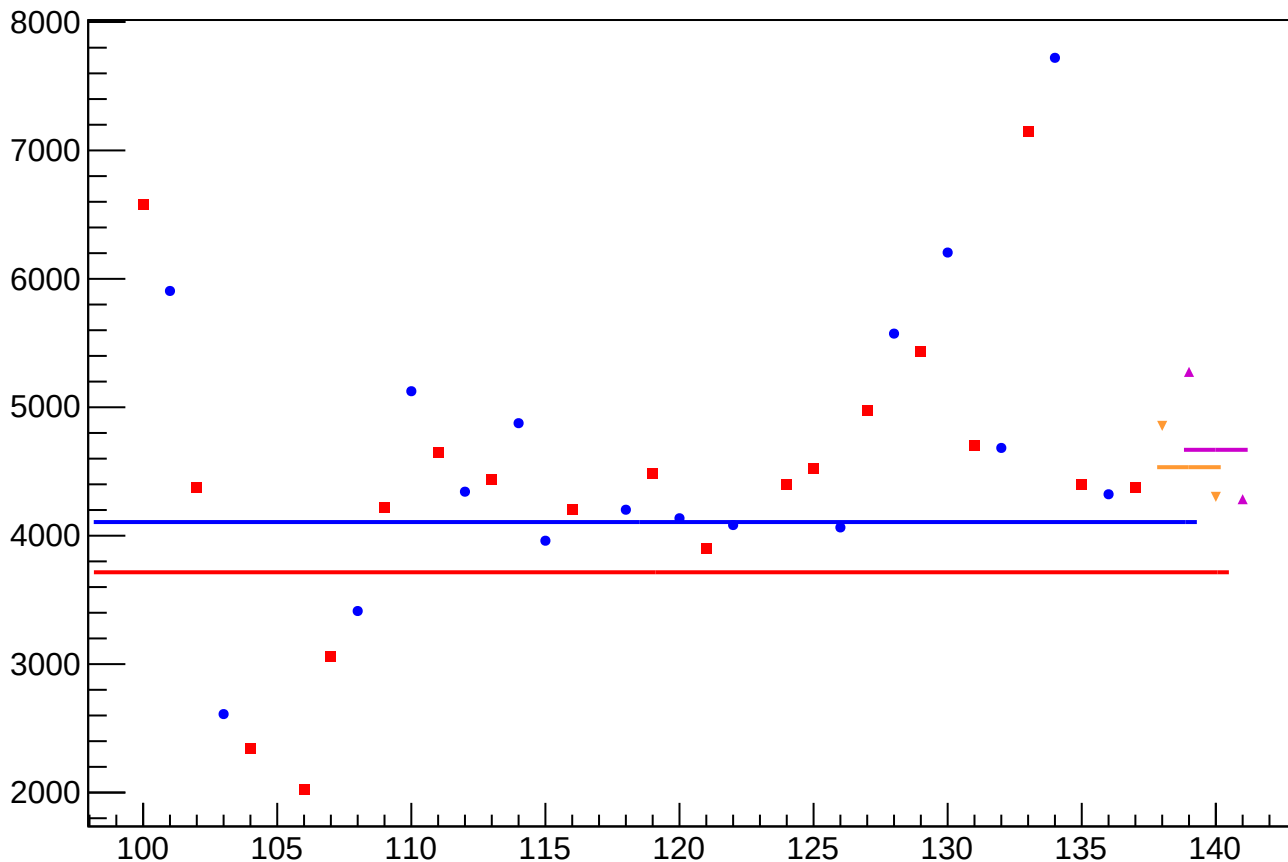
Left In: 1736.830 $\pm$ 3578.243 χ^2 /NDF: 0.0/1

+ sign -390.365 $\pm$ 1450.178 χ^2 /NDF: 16.2/17

All: 130.324 $\pm$ 986.176 χ^2 /NDF: 33.6/38

- sign 578.273 $\pm$ 1345.073 χ^2 /NDF: 17.2/20

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

Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

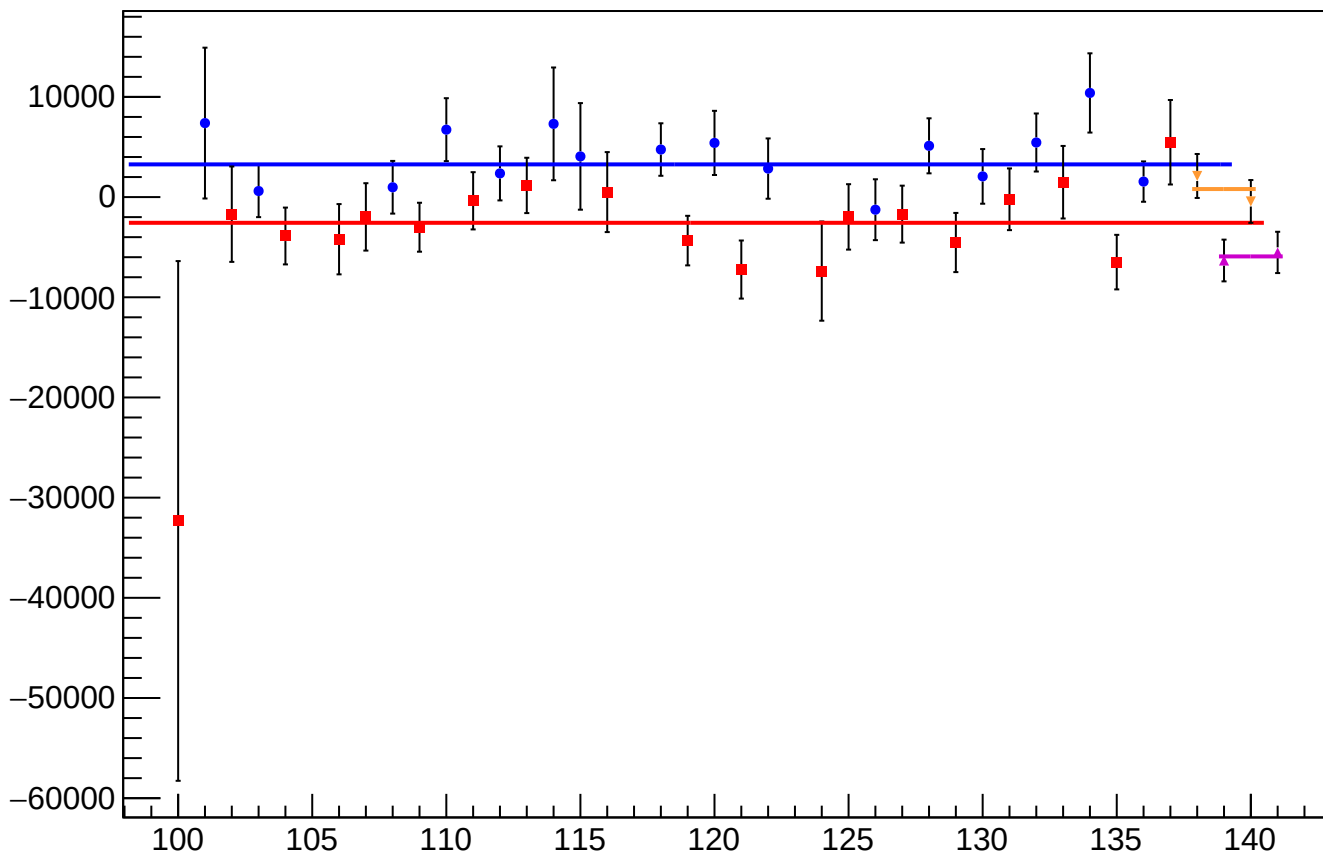
Left In: 4668.777+/-2.530 χ^2/NDF : 36445.4/1

+ sign 4176.024+/-1.025 χ^2/NDF : 990899.8/17

All: 4000.741+/-0.697 χ^2/NDF : 2538768.2/38

- sign 3849.946+/-0.951 χ^2/NDF : 1493512.2/20

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

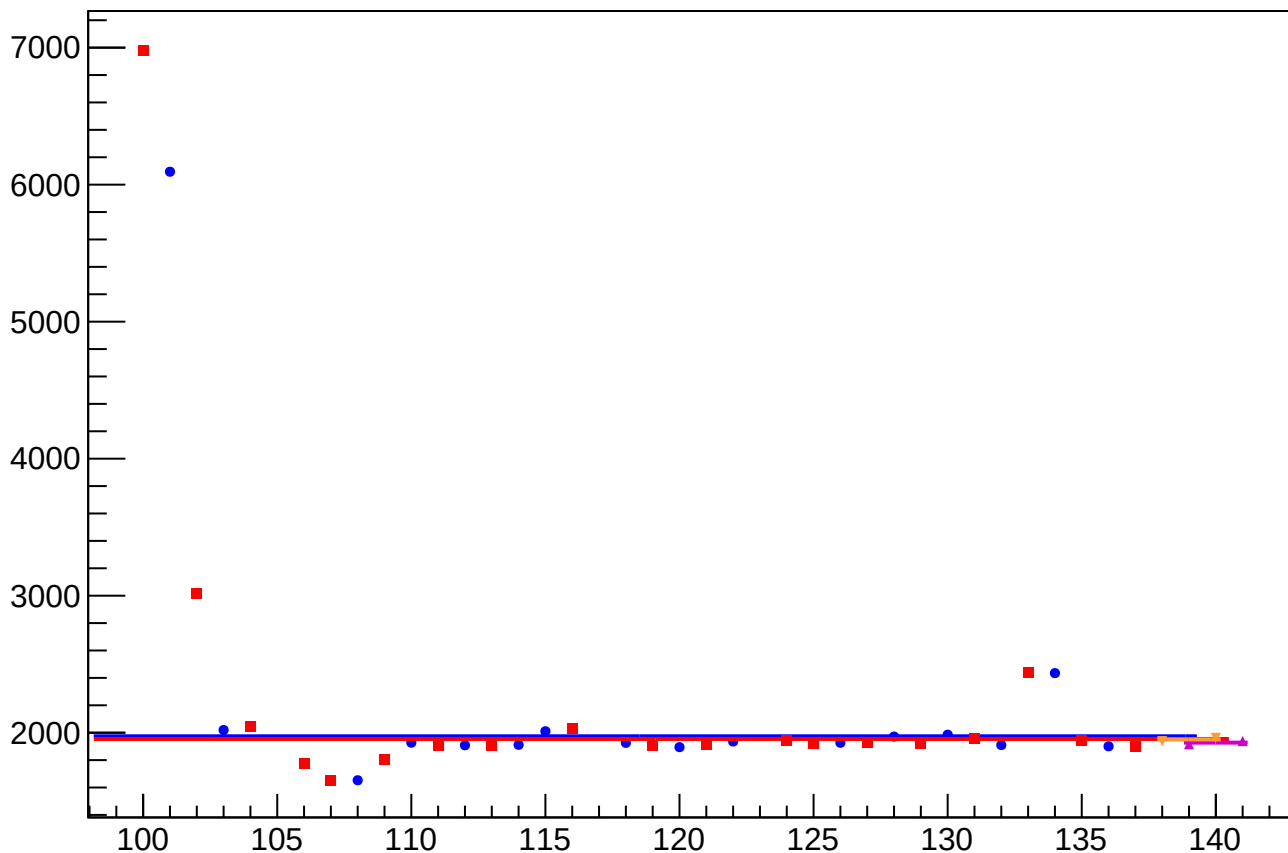
Left In: -5921.866 ± 1464.912 χ^2/NDF : 0.1/1

+ sign 2787.360 ± 674.159 χ^2/NDF : 14.9/17

All: -305.303 ± 470.466 χ^2/NDF : 77.2/38

- sign -3241.268 ± 656.858 χ^2/NDF : 21.3/20

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF : 665124.2/15

Left Out: 1950.815+/-1.083 χ^2/NDF : 121.8/1

Right Out: 1954.339+/-0.519 χ^2/NDF : 246211.3/18

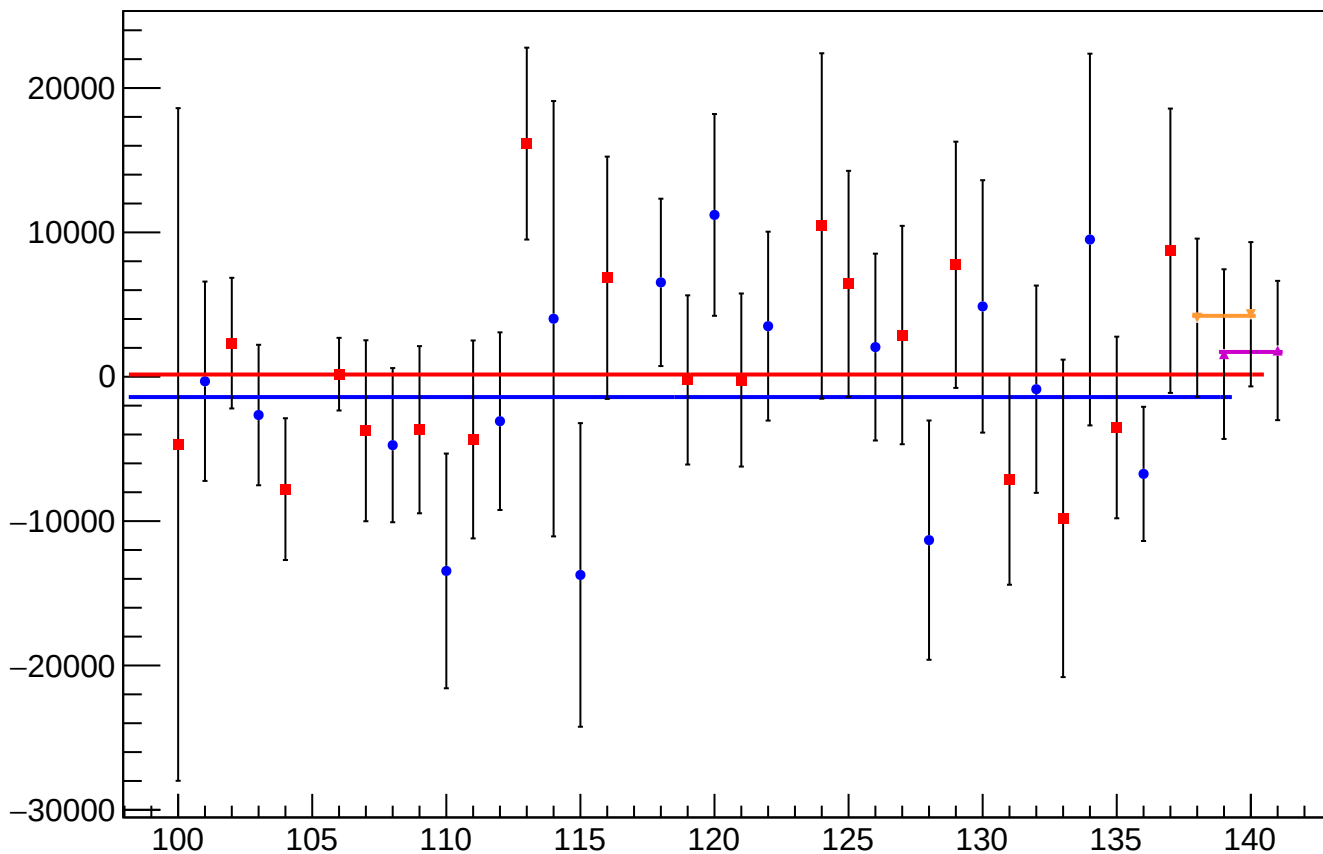
Left In: 1927.537+/-1.036 χ^2/NDF : 126.1/1

+ sign 1969.302+/-0.477 χ^2/NDF : 665607.8/17

All: 1958.858+/-0.333 χ^2/NDF : 913415.3/38

- sign 1948.958+/-0.464 χ^2/NDF : 246872.5/20

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382 $\pm$ 1689.989 χ^2 /NDF: 14.2/15

Left Out: 4219.646 $\pm$ 3693.111 χ^2 /NDF: 0.0/1

Right Out: 155.271 $\pm$ 1363.642 χ^2 /NDF: 15.8/18

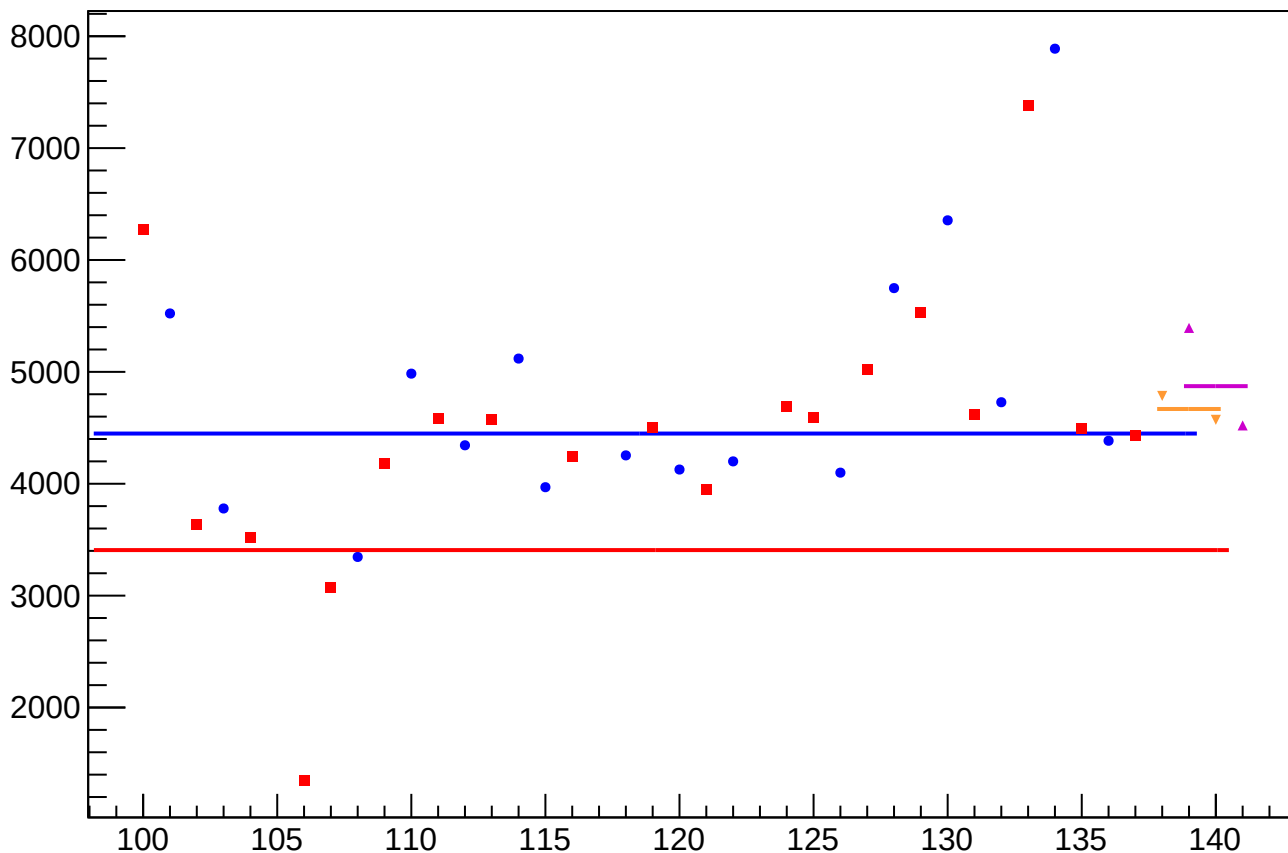
Left In: 1717.450 $\pm$ 3729.023 χ^2 /NDF: 0.0/1

+ sign -433.086 $\pm$ 1536.732 χ^2 /NDF: 16.1/17

All: 22.860 $\pm$ 983.832 χ^2 /NDF: 32.3/38

- sign 339.533 $\pm$ 1280.698 χ^2 /NDF: 16.0/20

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF : 494613.5/15

Left Out: 4668.259+/-2.611 χ^2/NDF :1659.4/1

Right Out: 3407.128+/-0.964 χ^2/NDF : 2326060.4/18

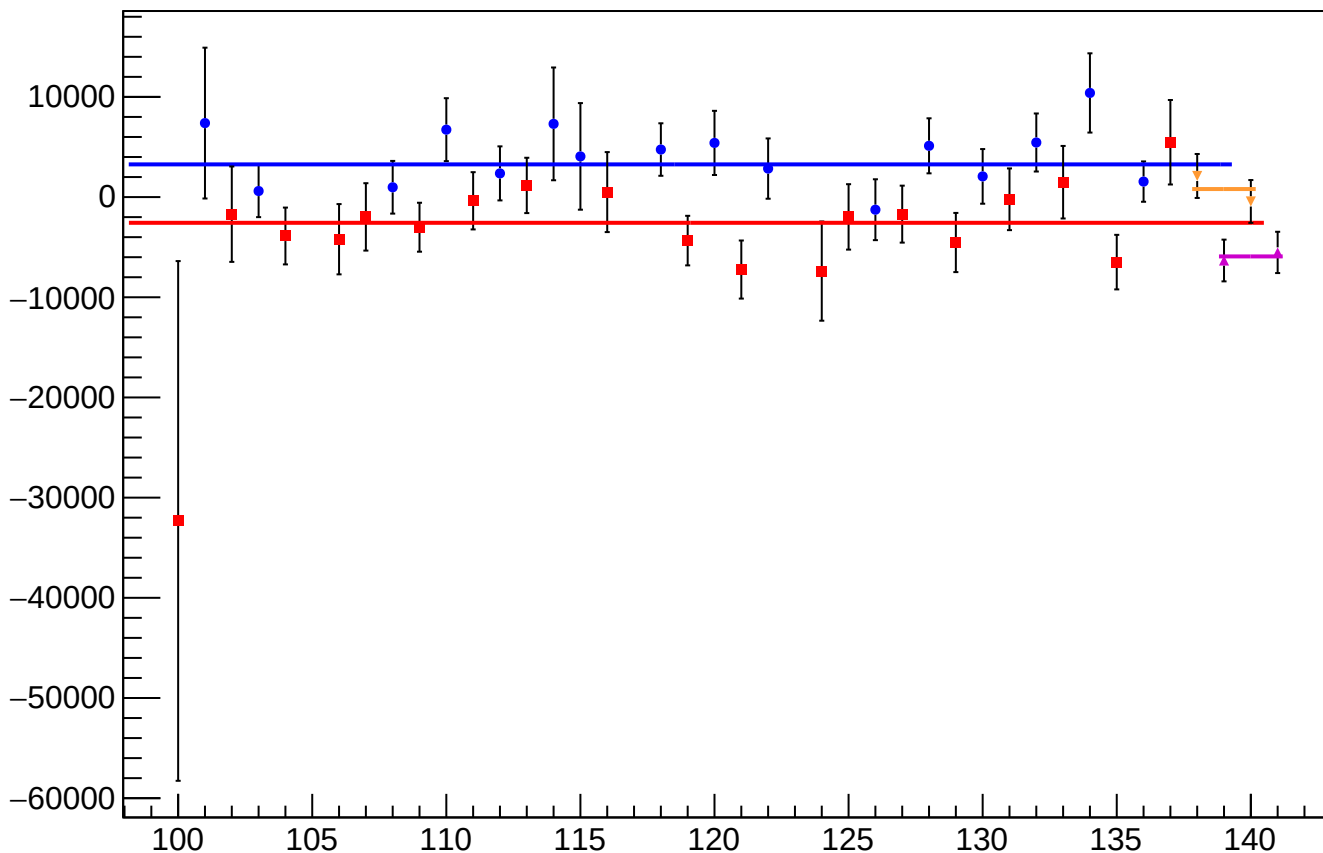
Left In: 4872.373+/-2.637 χ^2/NDF :26284.5/1

+ sign 4486.725+/-1.087 χ^2/NDF : 502117.2/17

All: 3951.612+/-0.696 χ^2/NDF : 3537765.1/38

- sign 3579.955+/-0.906 χ^2/NDF : 2624710.8/20

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

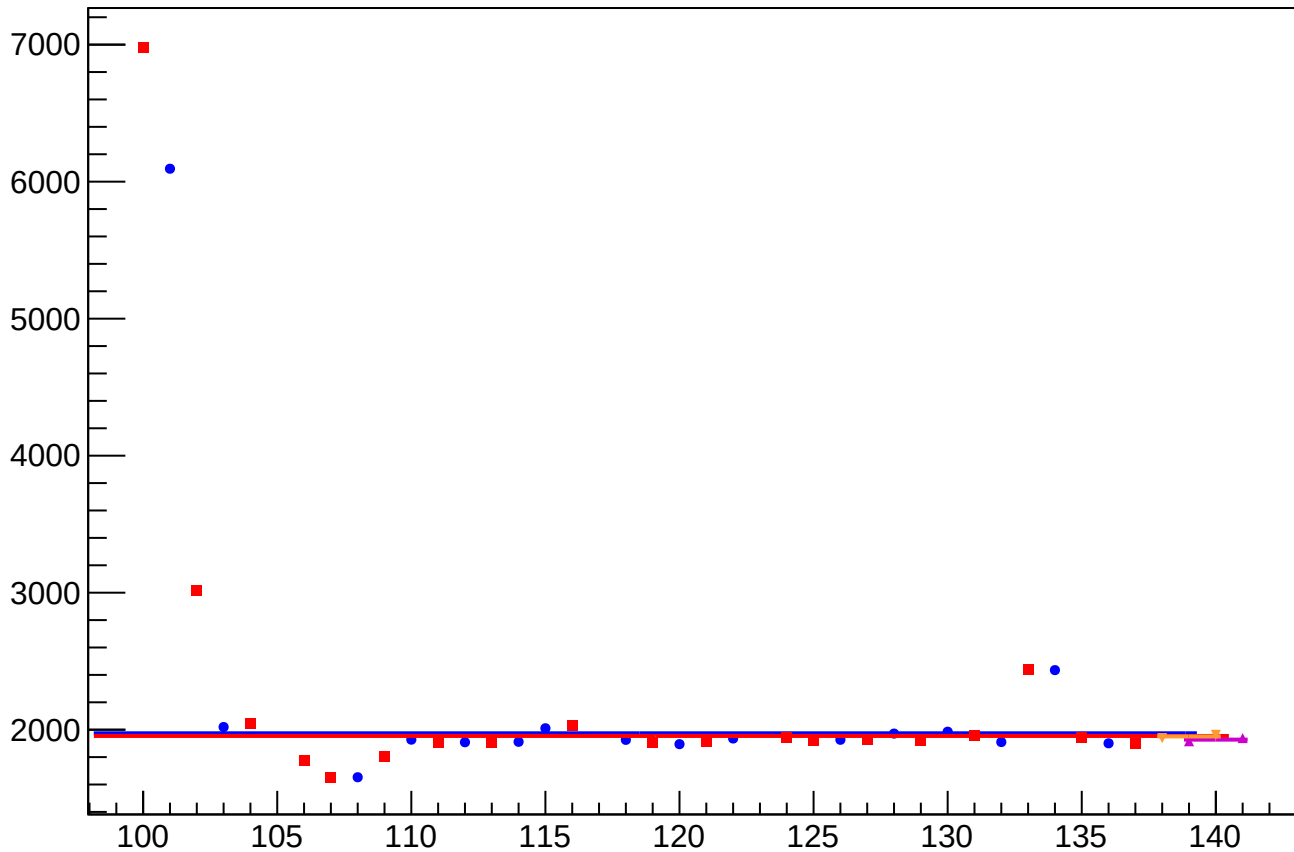
Left In: -5921.844+/-1464.912 χ^2/NDF : 0.1/1

+ sign 2787.363+/-674.159 χ^2/NDF : 14.9/17

All: -305.302+/-470.466 χ^2/NDF : 77.2/38

- sign -3241.268+/-656.858 χ^2/NDF : 21.3/20

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2 /NDF: 665124.2/15

Left Out: 1950.816+/-1.083 χ^2 /NDF:121.8/1

Right Out: 1954.339+/-0.519 χ^2 /NDF: 246210.8/18

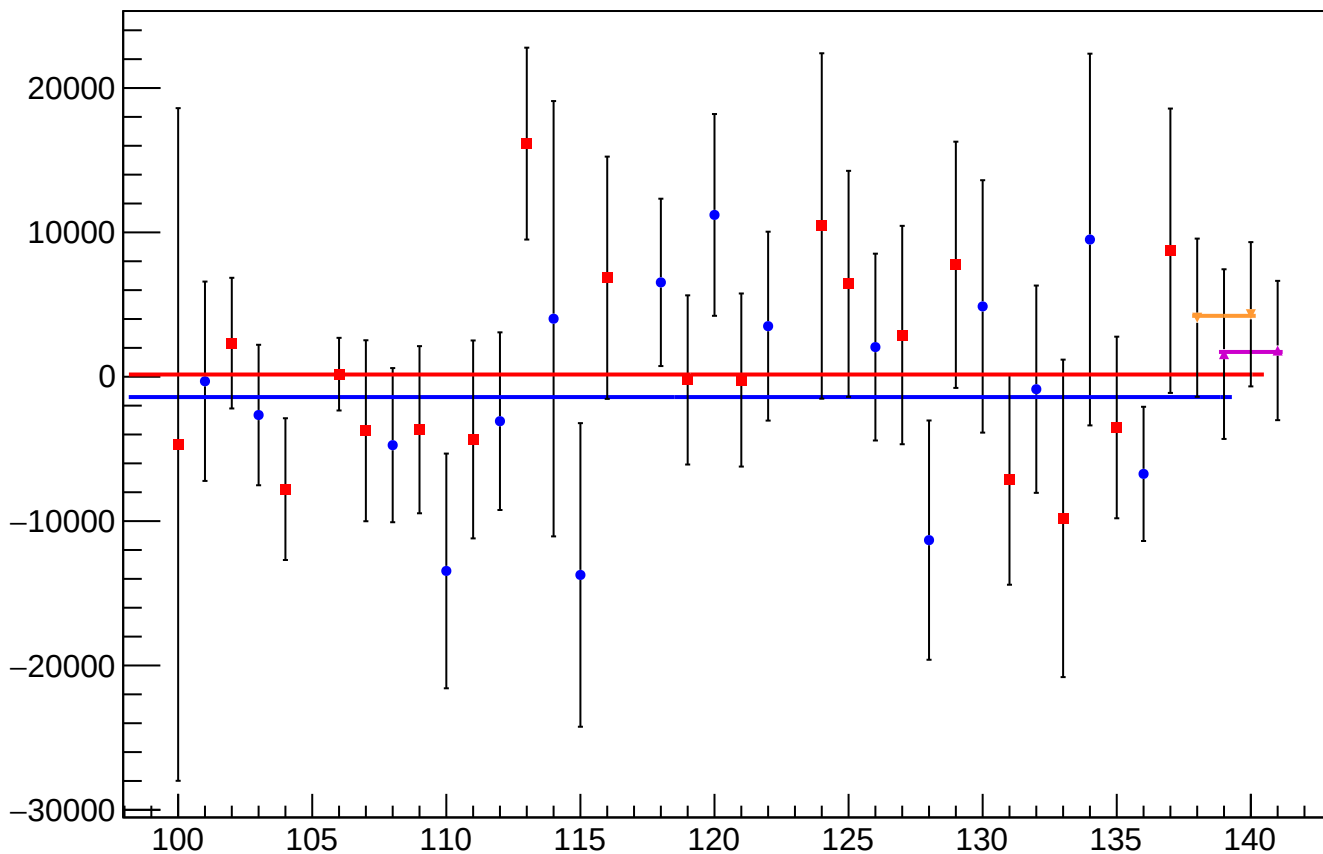
Left In: 1927.537+/-1.036 χ^2 /NDF:126.1/1

+ sign 1969.302+/-0.477 χ^2 /NDF: 665607.7/17

All: 1958.858+/-0.333 χ^2 /NDF: 913414.7/38

- sign 1948.958+/-0.464 χ^2 /NDF: 246872.0/20

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

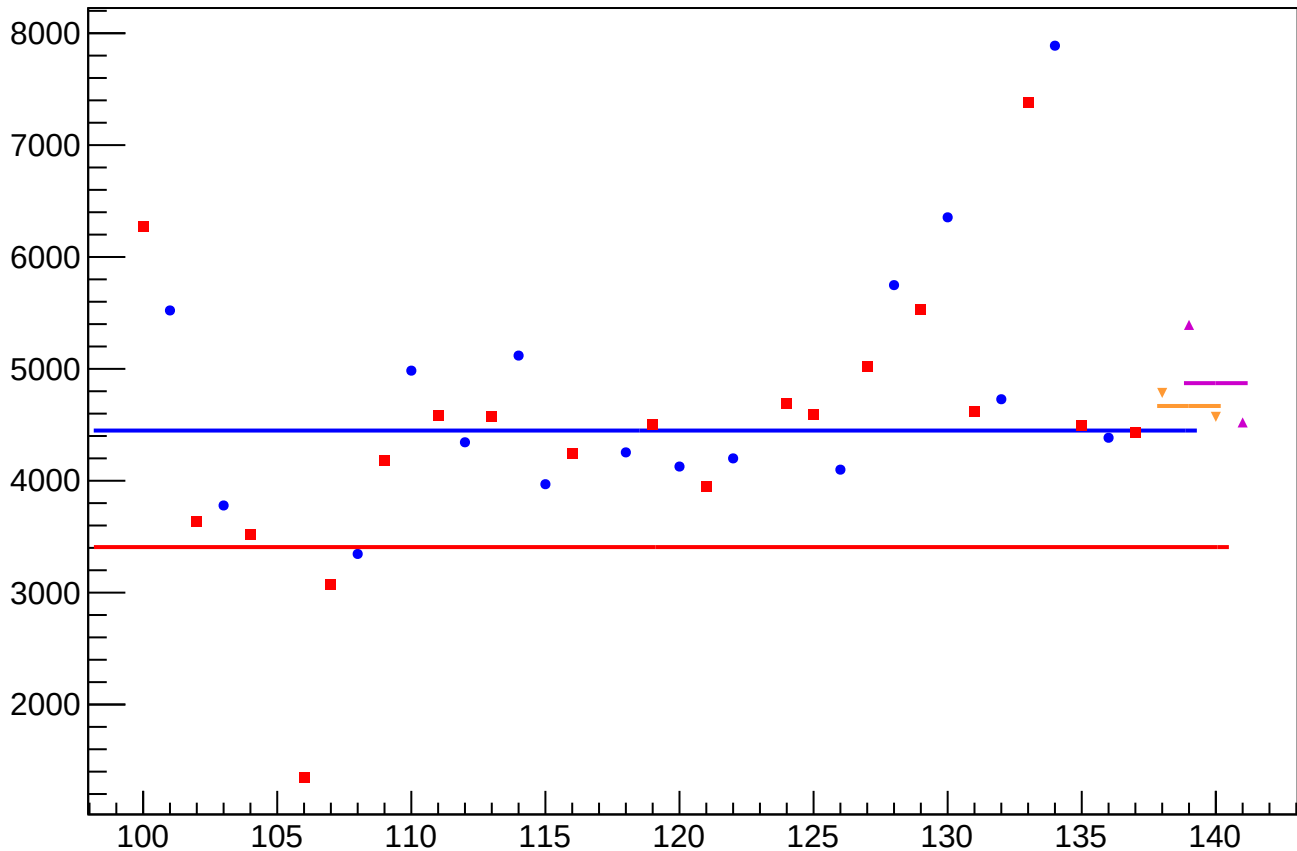
Left In: 1717.471+/-3729.026 χ^2/NDF : 0.0/1

+ sign -433.075+/-1536.730 χ^2/NDF : 16.1/17

All: 22.866+/-983.830 χ^2/NDF : 32.3/38

- sign 339.535+/-1280.696 χ^2/NDF : 16.0/20

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF : 494610.6/15

Left Out: 4668.262+/-2.611 χ^2/NDF : 1659.5/1

Right Out: 3407.120+/-0.964 χ^2/NDF : 2326064.2/18

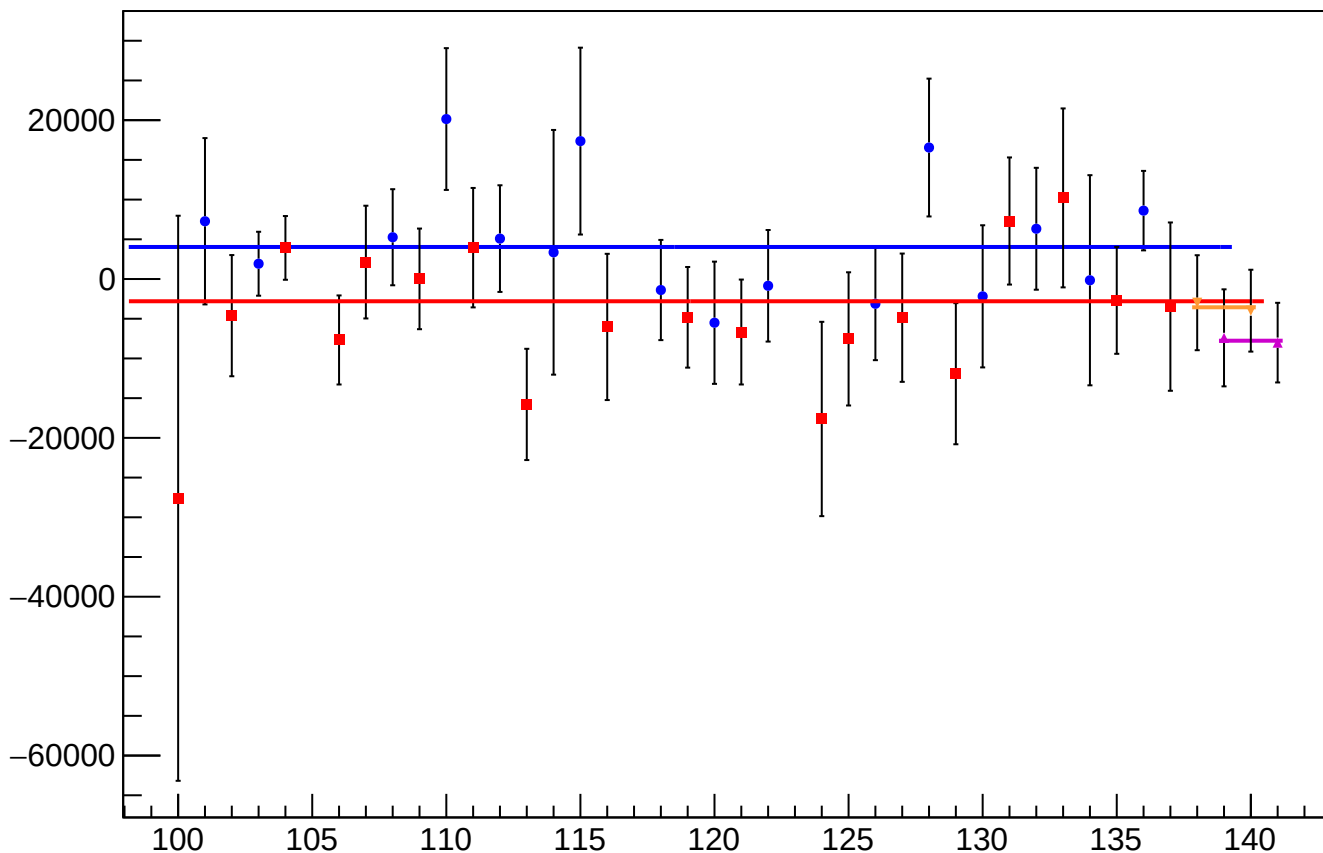
Left In: 4872.376+/-2.637 χ^2/NDF : 26285.0/1

+ sign 4486.719+/-1.087 χ^2/NDF : 502114.9/17

All: 3951.605+/-0.696 χ^2/NDF : 3537774.3/38

- sign 3579.948+/-0.906 χ^2/NDF : 2624719.2/20

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

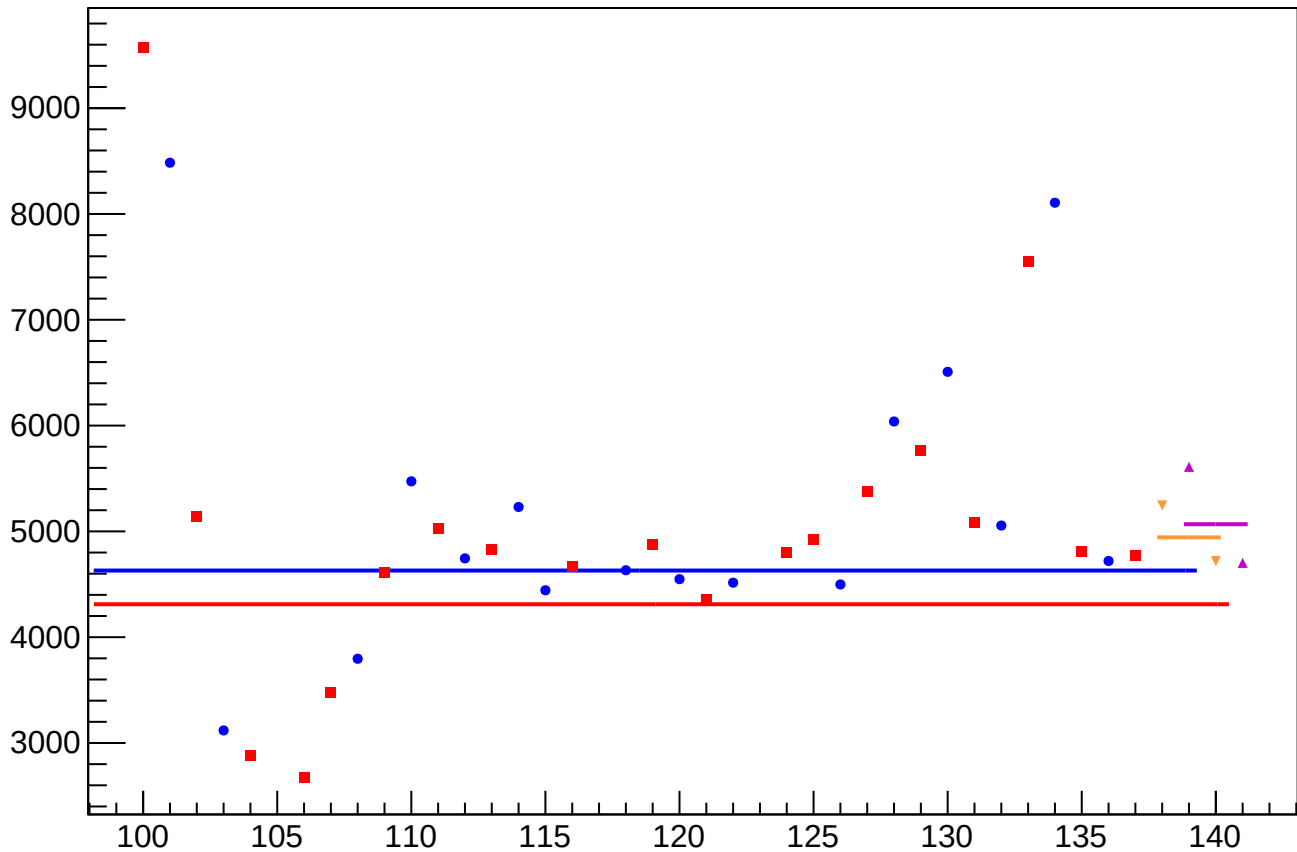
Left In: -7767.364+/-3875.090 χ^2/NDF : 0.0/1

+ sign 2725.108+/-1621.110 χ^2/NDF : 15.5/17

All: -599.141+/-1114.645 χ^2/NDF : 40.3/38

- sign -3579.994+/-1535.097 χ^2/NDF : 16.8/20

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF : 900246.3/15

Left Out: 4943.350+/-2.760 χ^2/NDF : 8898.6/1

Right Out: 4311.218+/-1.172 χ^2/NDF : 904737.2/18

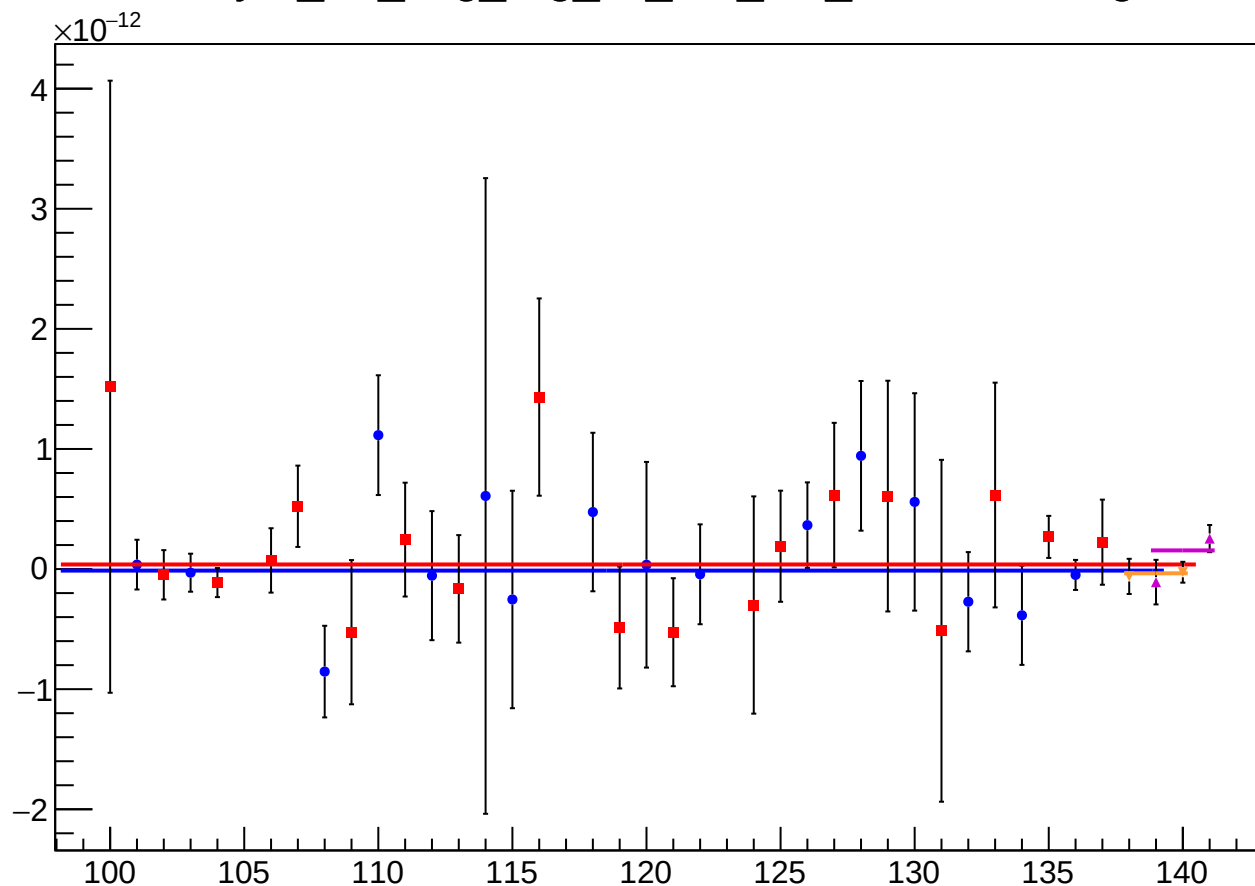
Left In: 5067.791+/-2.740 χ^2/NDF : 26370.0/1

+ sign 4684.010+/-1.146 χ^2/NDF : 919811.1/17

All: 4548.213+/-0.785 χ^2/NDF : 1941800.9/38

- sign 4428.219+/-1.078 χ^2/NDF : 995554.8/20

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.9/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.0/18

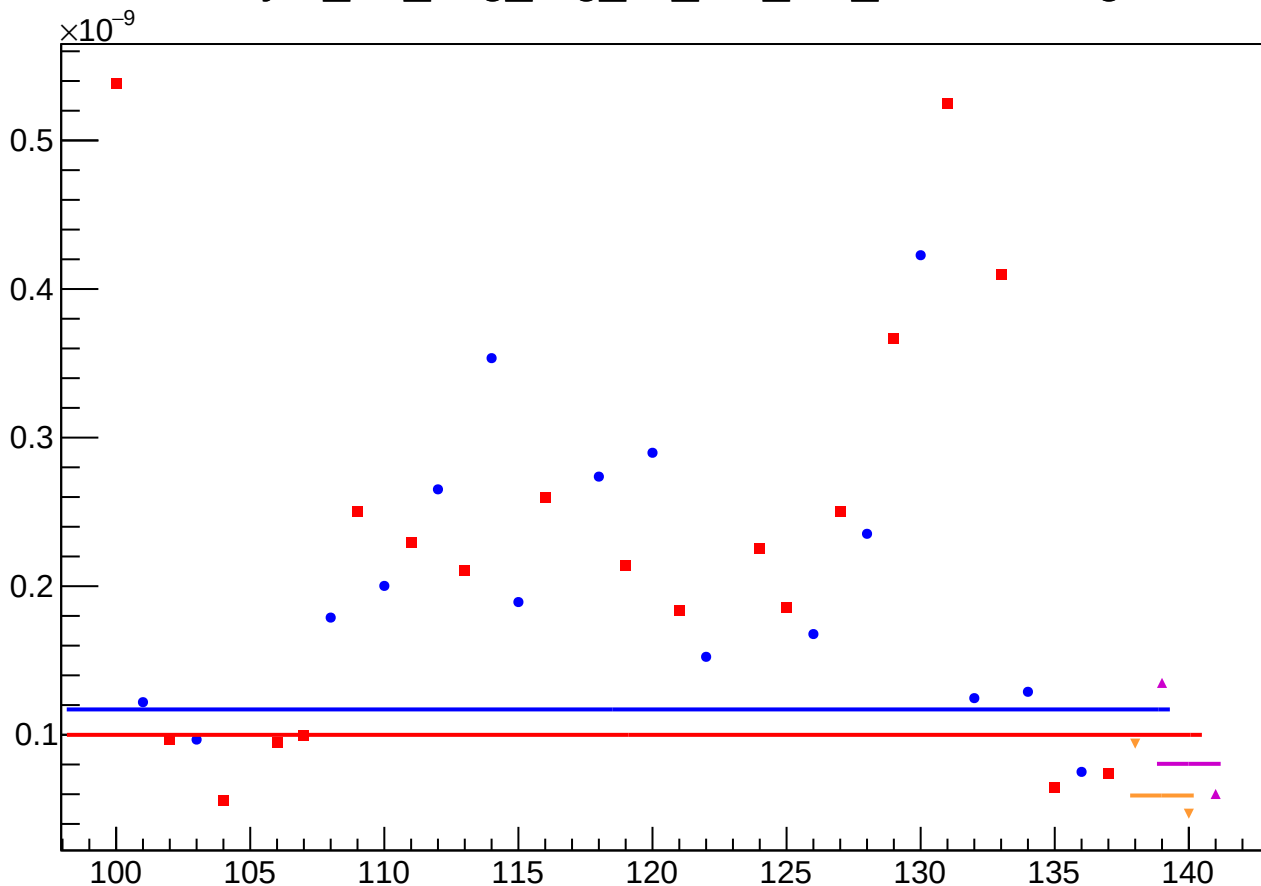
Left In: 0.000 ± 0.000 χ^2/NDF : 2.8/1

+ sign -0.000 ± 0.000 χ^2/NDF : 16.0/17

All: 0.000 ± 0.000 χ^2/NDF : 36.5/38

- sign 0.000 ± 0.000 χ^2/NDF : 18.7/20

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

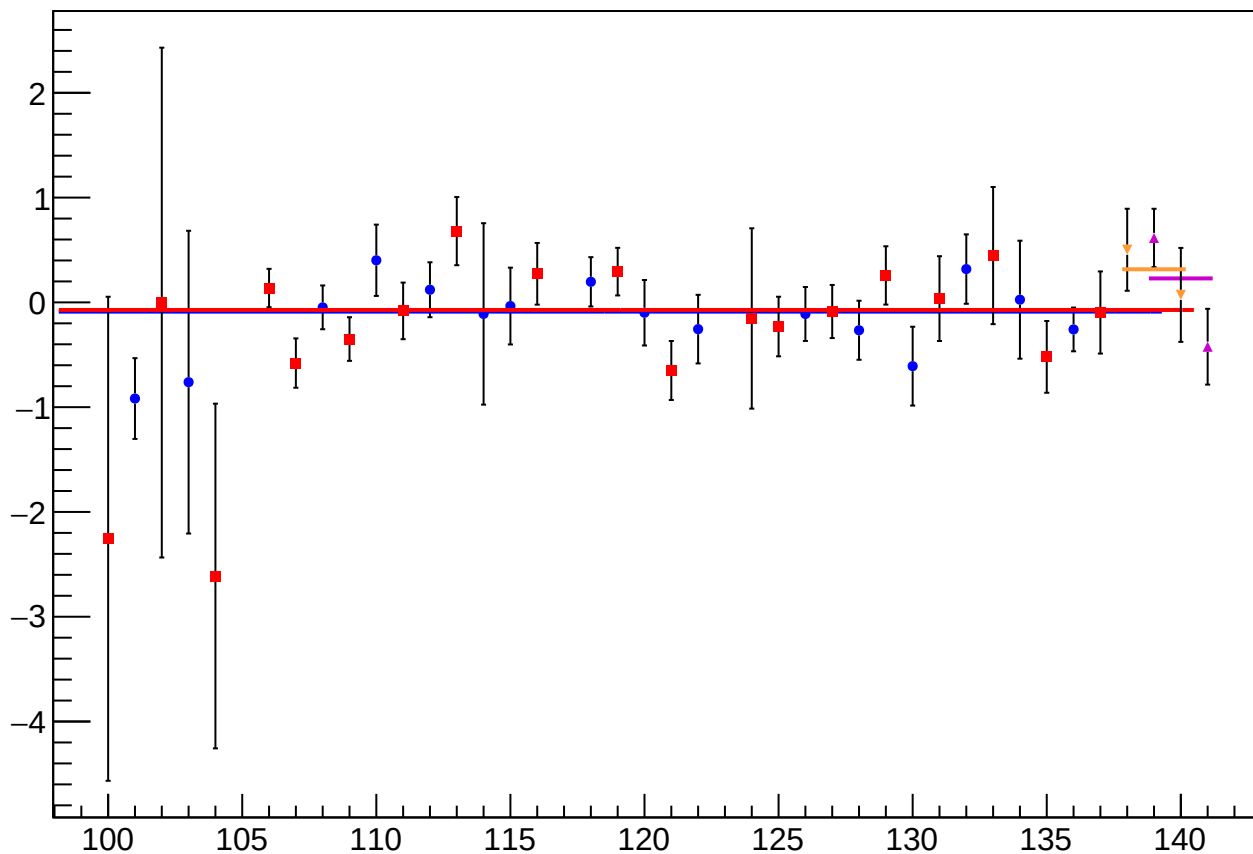
Left In: 0.000+/-0.000 χ^2/NDF : 236660.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 1850214.4/17

All: 0.000+/-0.000 χ^2/NDF : 3991513.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2132832.6/20

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

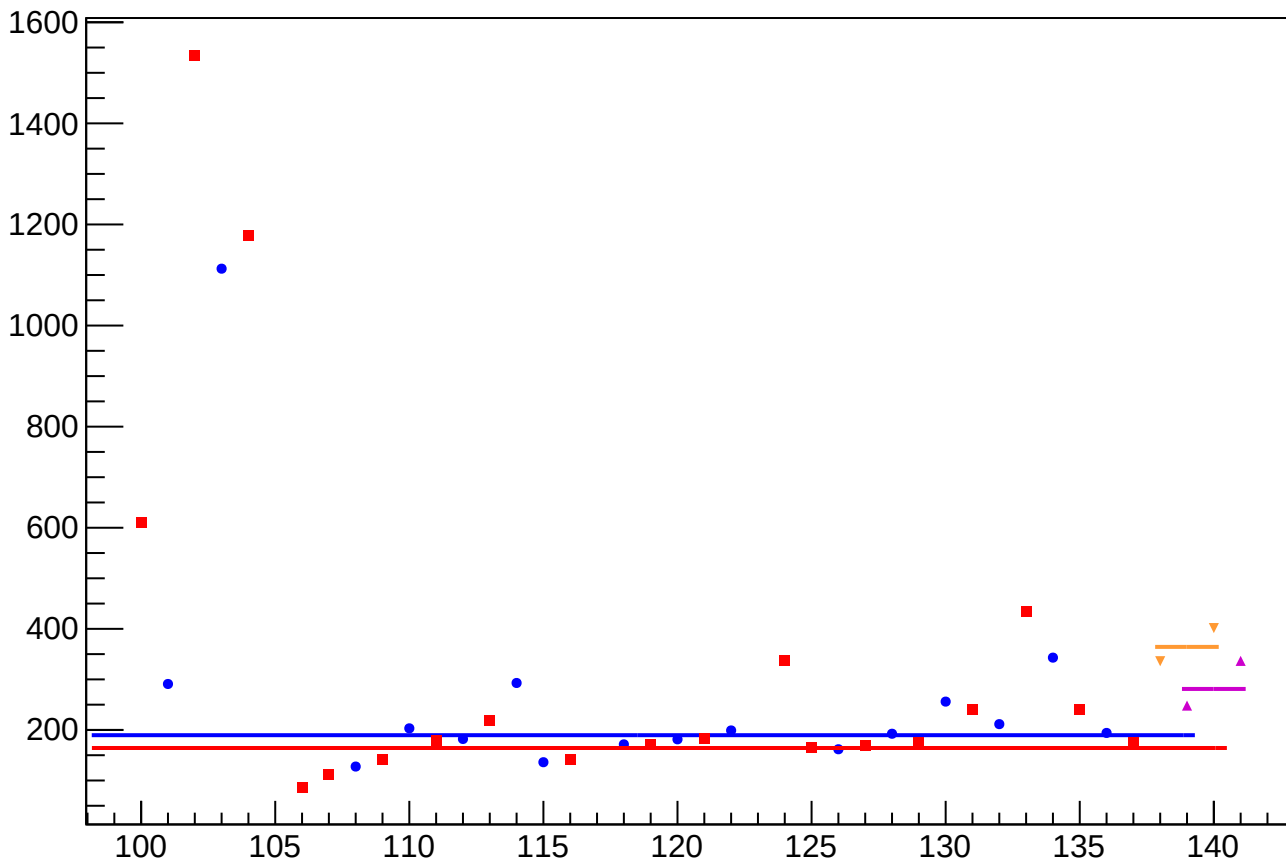
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.053 ± 0.050 χ^2/NDF : 51.7/38

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 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

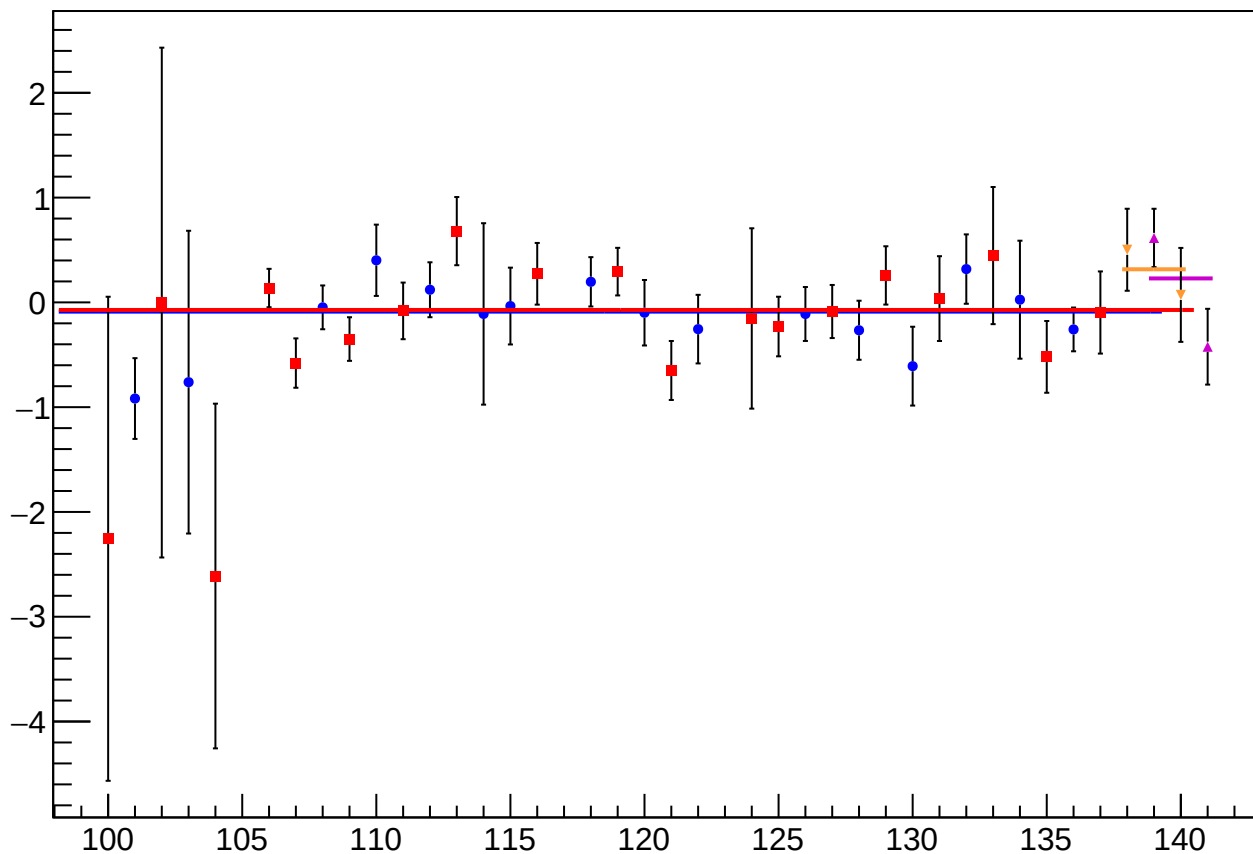
Left In: 281.110 $\pm$ 0.156 χ^2 /NDF:75125.0/1

+ sign 200.719 $\pm$ 0.053 χ^2 /NDF: 2147186.7/17

All: 186.470 $\pm$ 0.035 χ^2 /NDF: 5508051.8/38

- sign 174.972 $\pm$ 0.047 χ^2 /NDF: 3227917.7/20

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

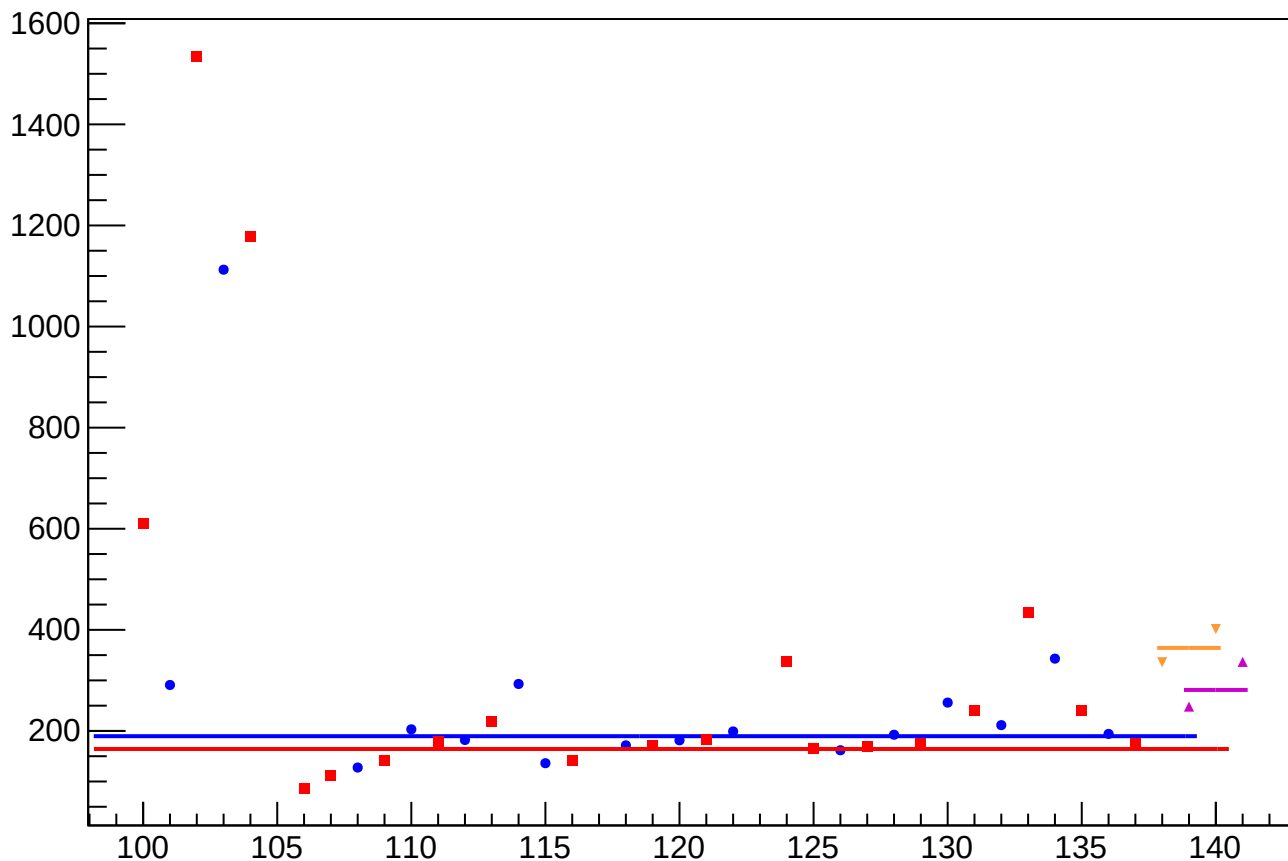
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.053 ± 0.050 χ^2/NDF : 51.7/38

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 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

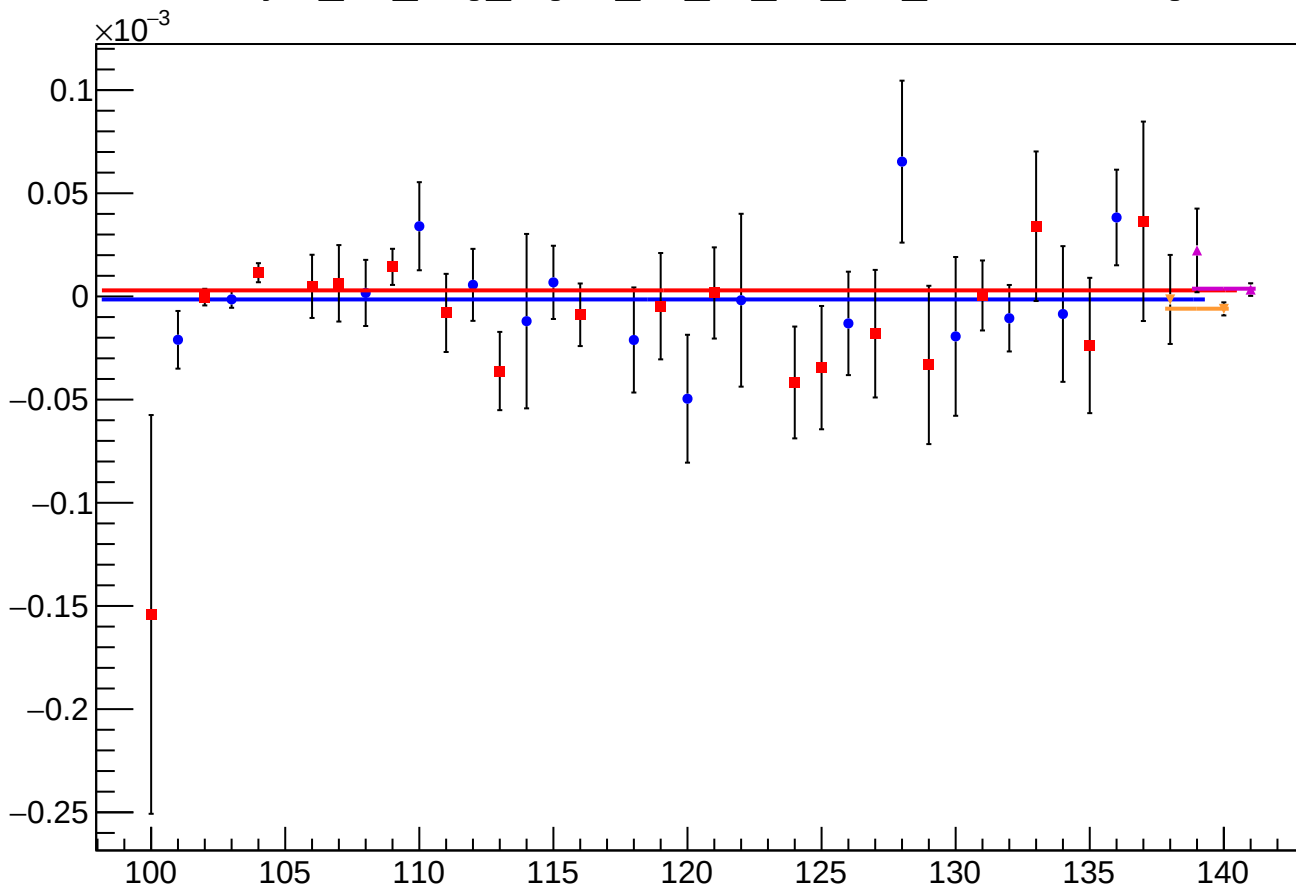
Left In: 281.110 $\pm$ 0.156 χ^2 /NDF:75125.0/1

+ sign 200.719 $\pm$ 0.053 χ^2 /NDF: 2147186.7/17

All: 186.470 $\pm$ 0.035 χ^2 /NDF: 5508051.8/38

- sign 174.972 $\pm$ 0.047 χ^2 /NDF: 3227917.7/20

asym_atr_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: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/18

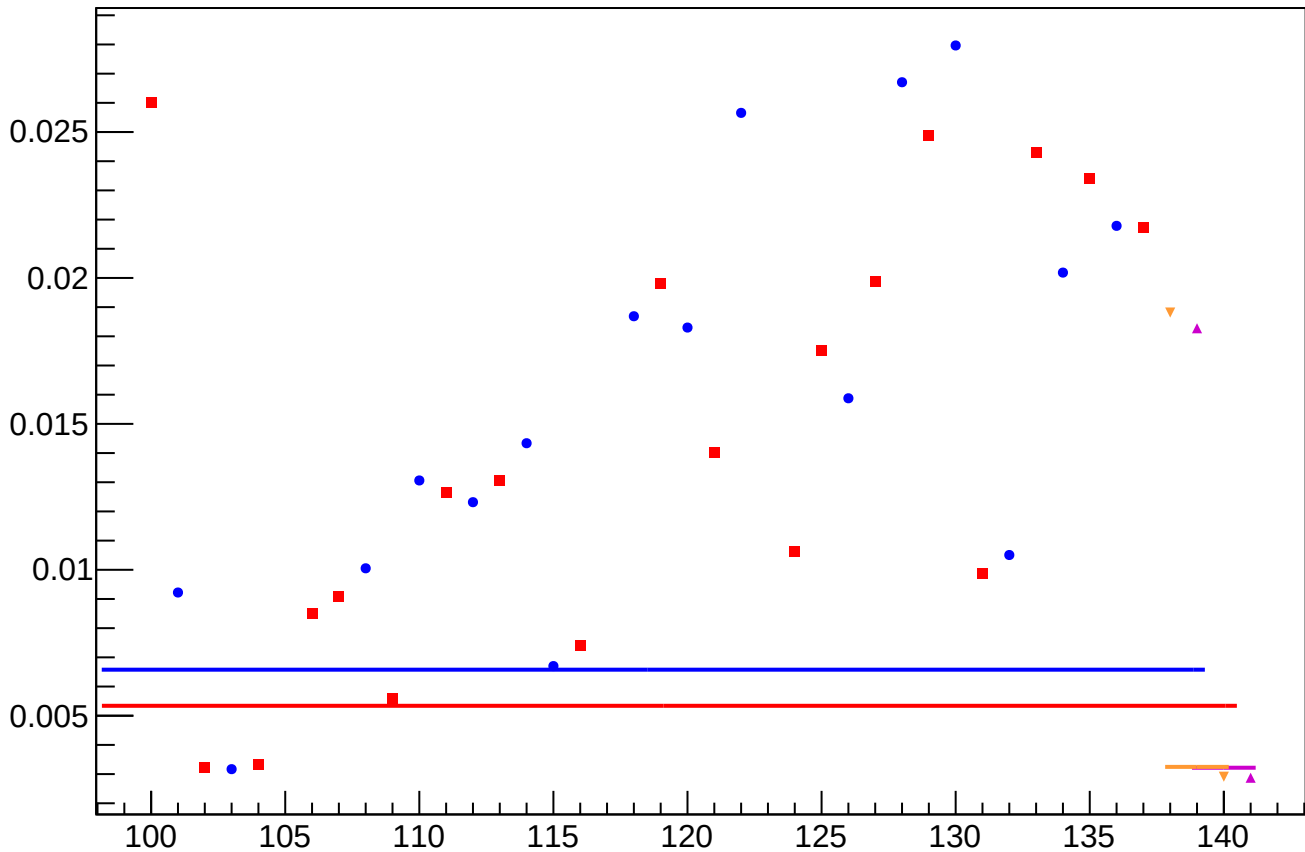
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.6/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/20

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5928012.0/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 1063507.5/1

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 5685915.4/18

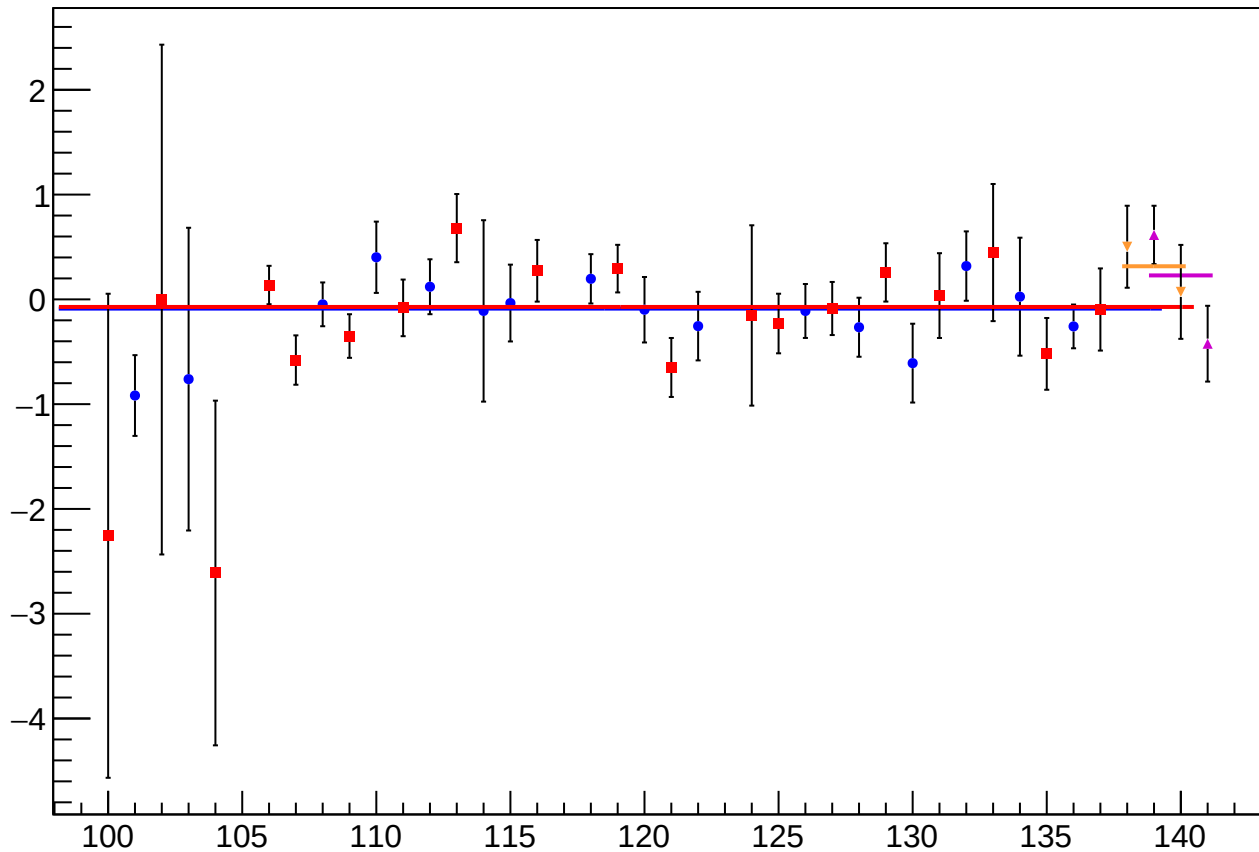
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1128866.2/1

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 8056436.0/17

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 15474304.6/38

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7387497.2/20

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.316 ± 0.295 χ^2/NDF : 0.5/1

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

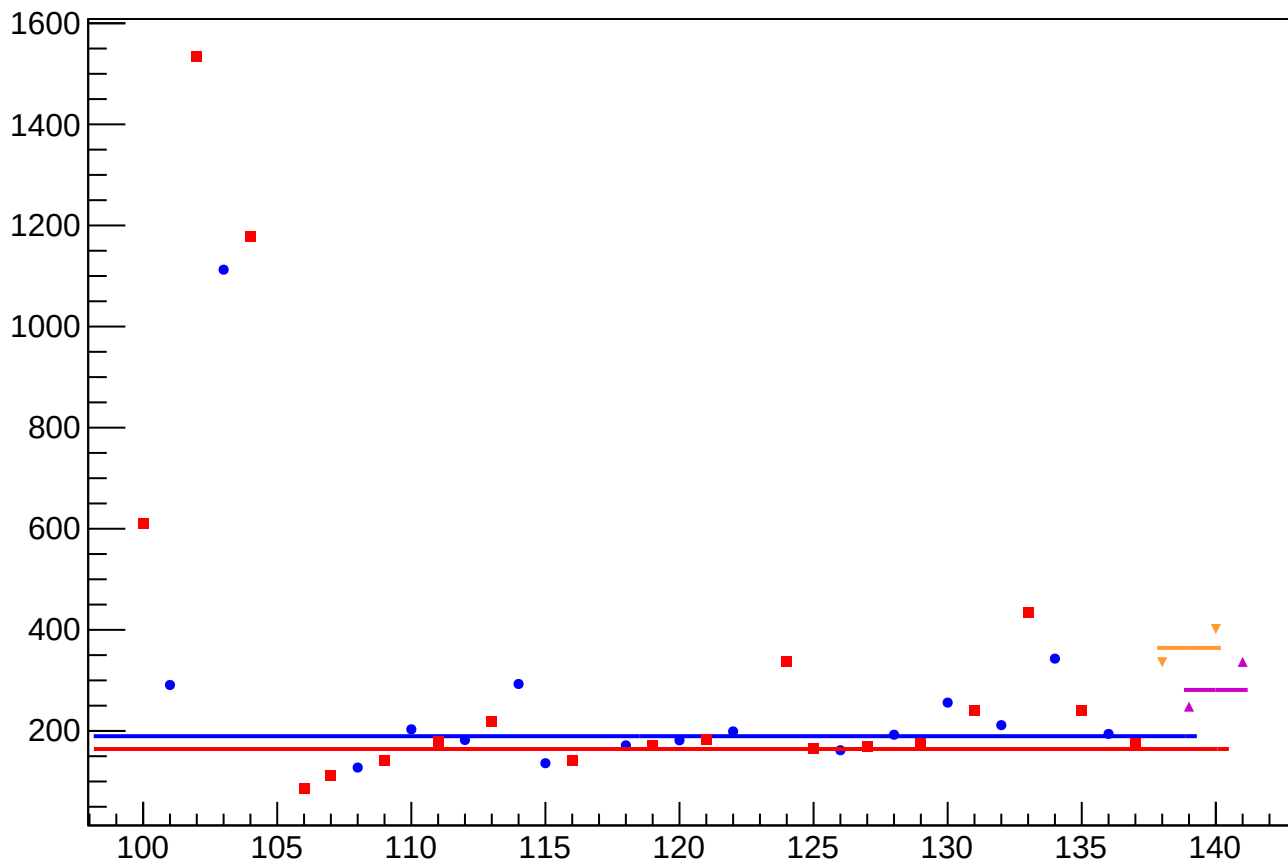
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.053 ± 0.050 χ^2/NDF : 51.7/38

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 ± 0.054 $\chi^2/\text{NDF}: 1465464.1/15$

Left Out: 364.295 ± 0.208 $\chi^2/\text{NDF}: 24285.7/1$

Right Out: 164.286 ± 0.050 $\chi^2/\text{NDF}: 2643465.6/18$

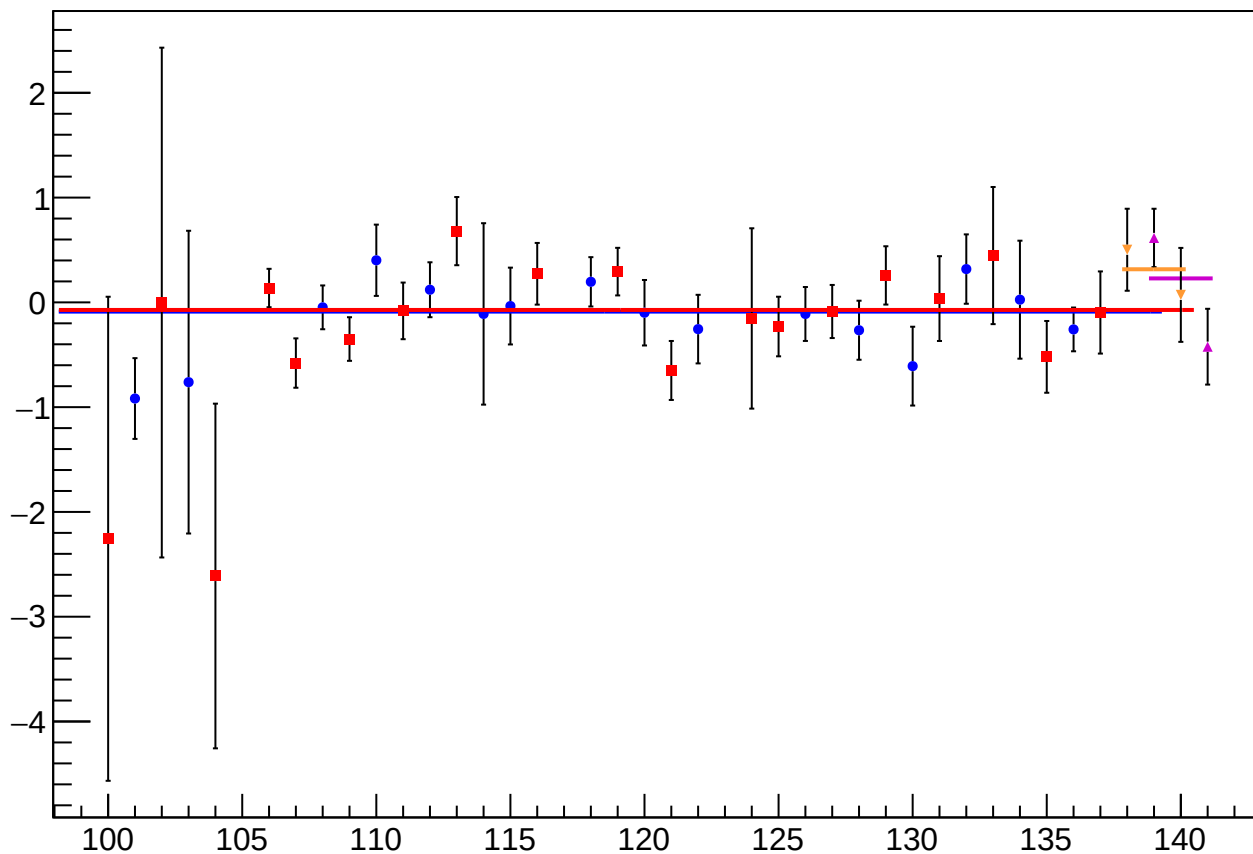
Left In: 281.113 ± 0.156 $\chi^2/\text{NDF}: 75116.2/1$

+ sign 200.719 ± 0.053 $\chi^2/\text{NDF}: 2147190.6/17$

All: 186.469 ± 0.035 $\chi^2/\text{NDF}: 5508047.6/38$

- sign 174.971 ± 0.047 $\chi^2/\text{NDF}: 3227908.8/20$

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

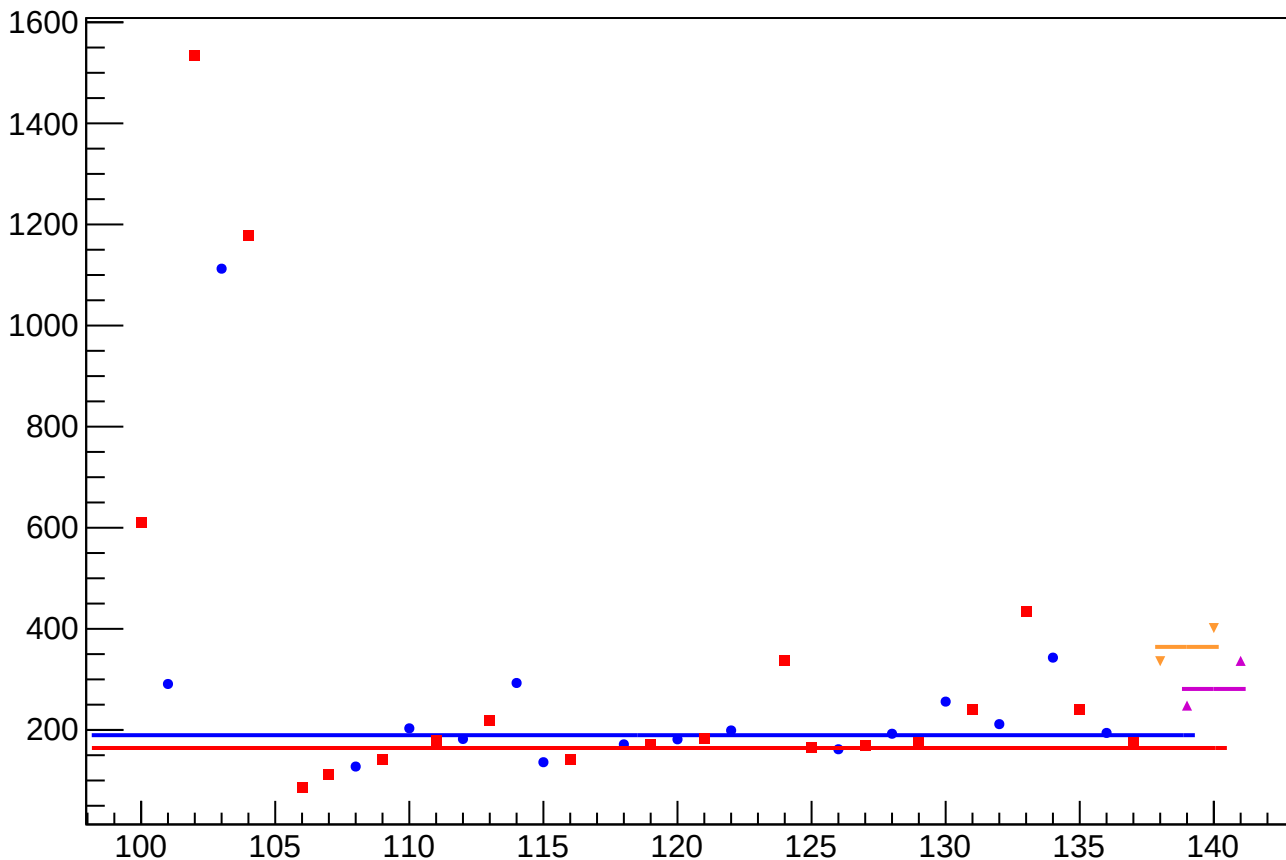
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.062 ± 0.074 χ^2/NDF : 16.1/17

All: -0.053 ± 0.050 χ^2/NDF : 51.7/38

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

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

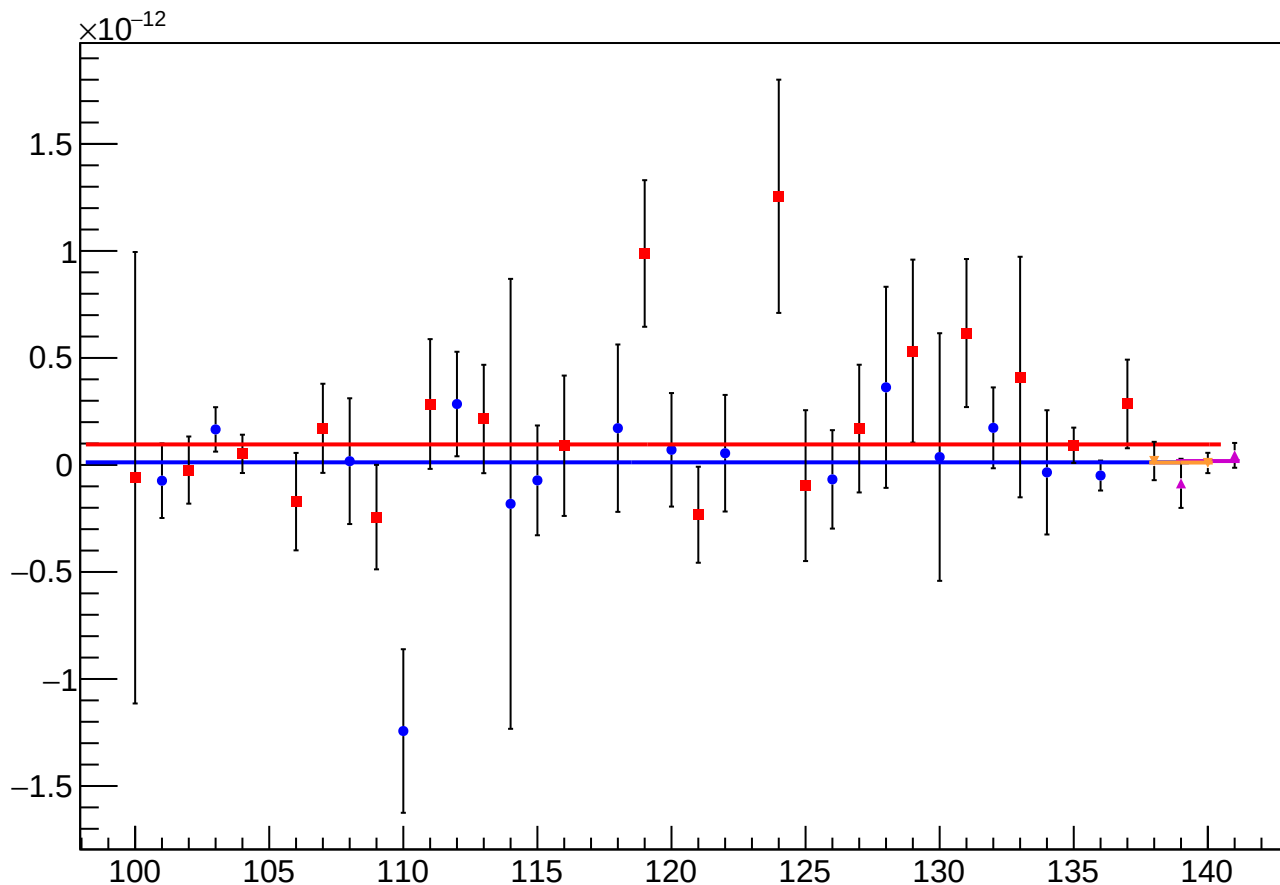
Left In: 281.113 $\pm$ 0.156 χ^2 /NDF:75116.2/1

+ sign 200.719 $\pm$ 0.053 χ^2 /NDF: 2147190.6/17

All: 186.469 $\pm$ 0.035 χ^2 /NDF: 5508047.6/38

- sign 174.971 $\pm$ 0.047 χ^2 /NDF: 3227908.8/20

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

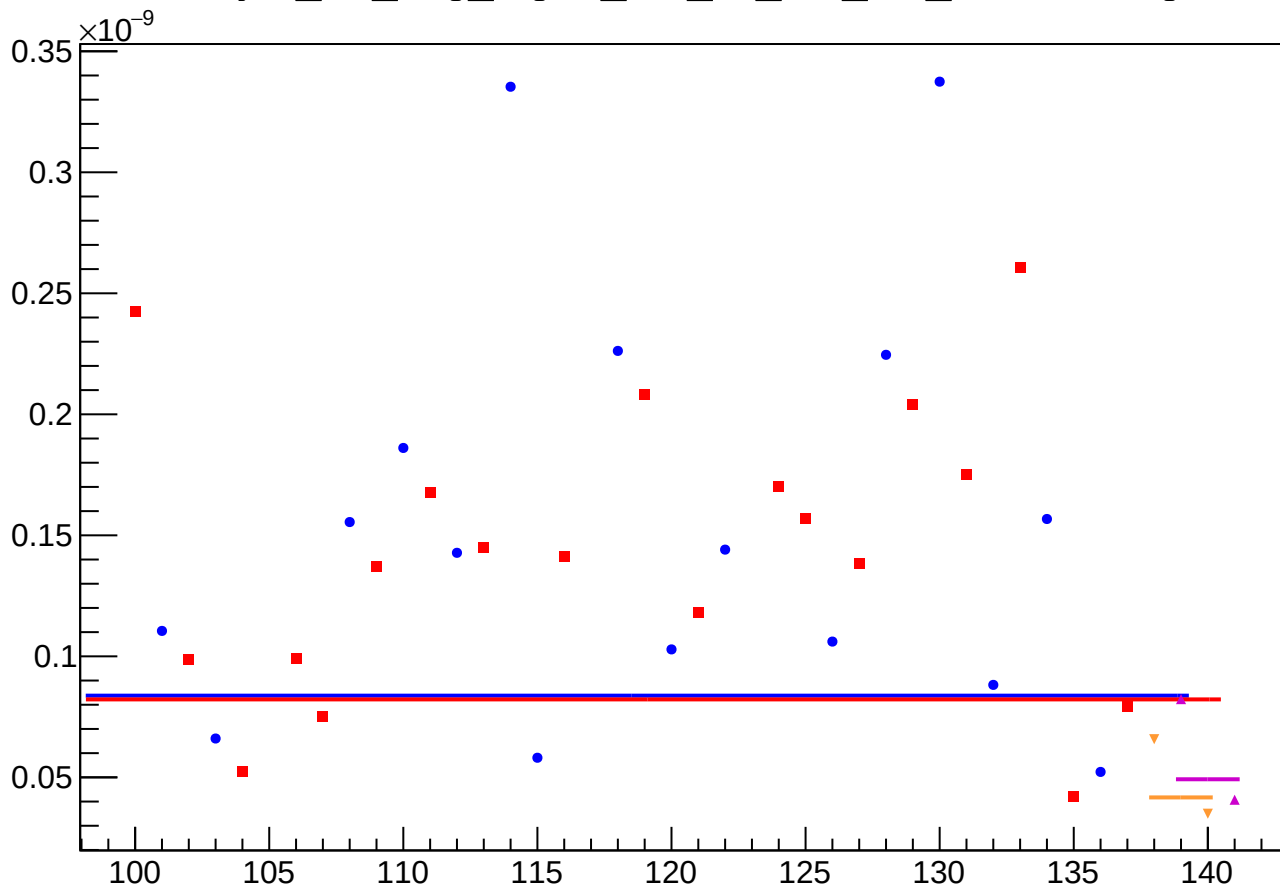
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/20

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2109060.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:184644.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2271900.5/18

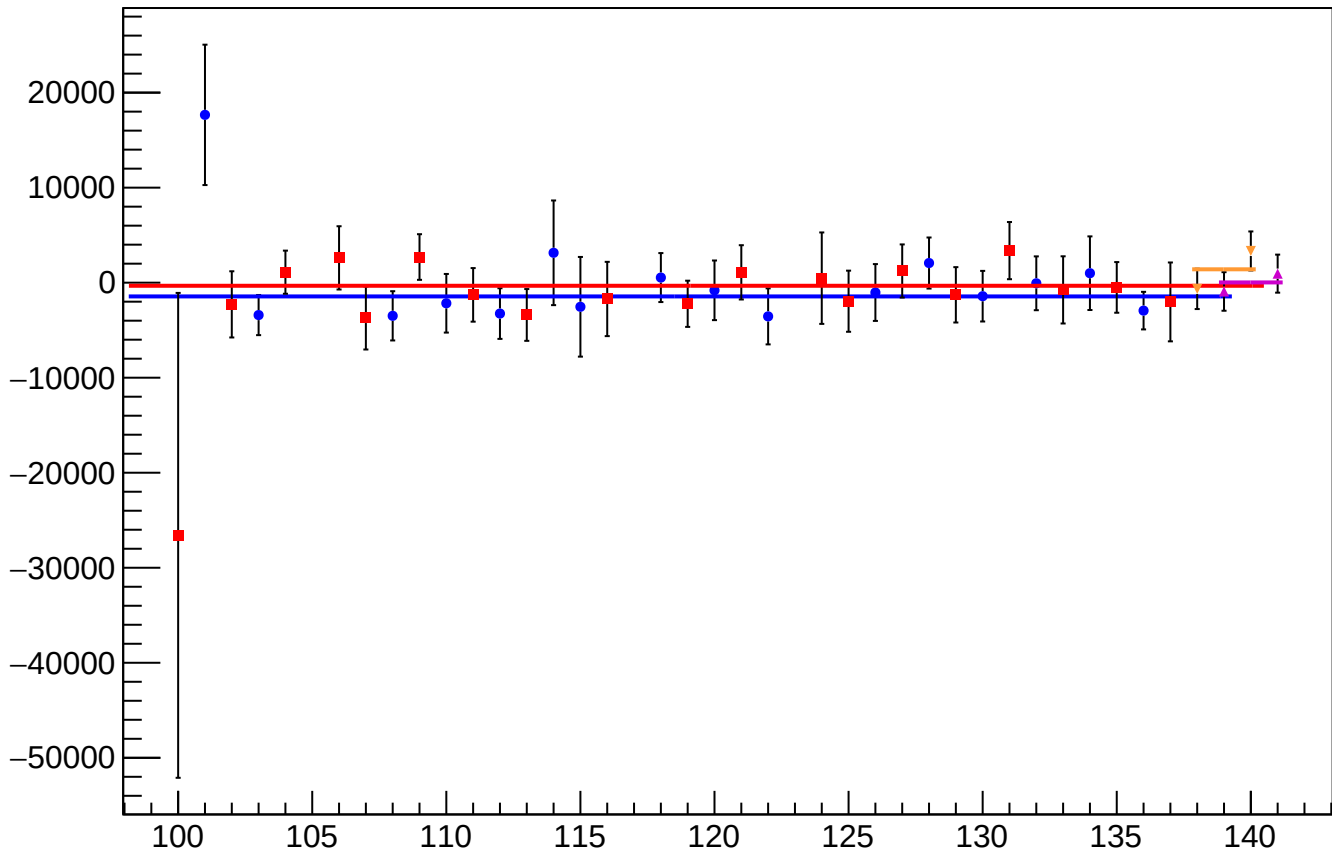
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:209030.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3216605.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6211310.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2946261.2/20

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1406.599 ± 1475.622 χ^2/NDF : 1.8/1

Right Out: -325.908 ± 702.648 χ^2/NDF : 9.9/18

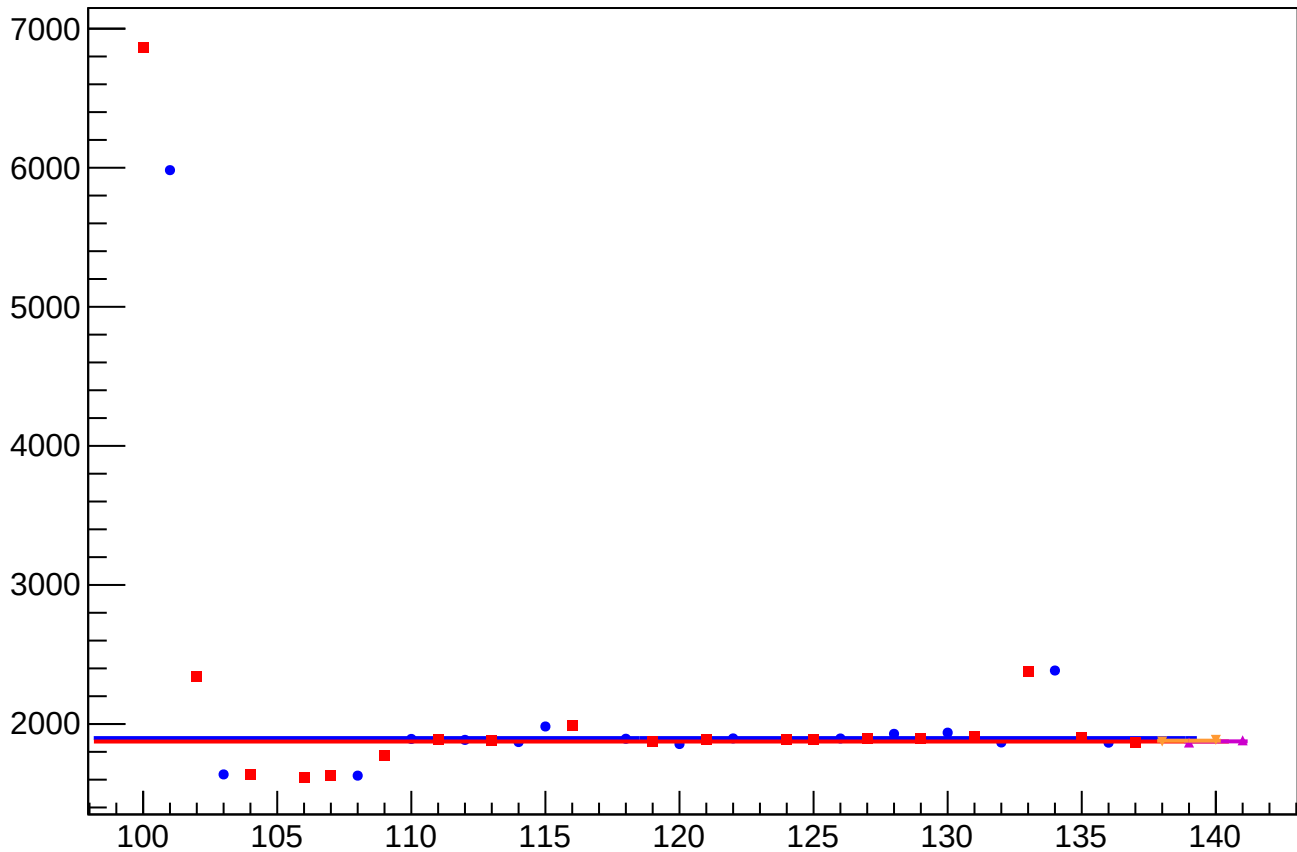
Left In: 26.227 ± 1425.044 χ^2/NDF : 0.4/1

+ sign -894.034 ± 649.358 χ^2/NDF : 18.3/17

All: -566.004 ± 452.242 χ^2/NDF : 29.3/38

- sign -257.040 ± 630.205 χ^2/NDF : 10.4/20

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.2/15

Left Out: 1880.279+/-1.043 χ^2/NDF :31.3/1

Right Out: 1874.251+/-0.495 χ^2/NDF : 207657.7/18

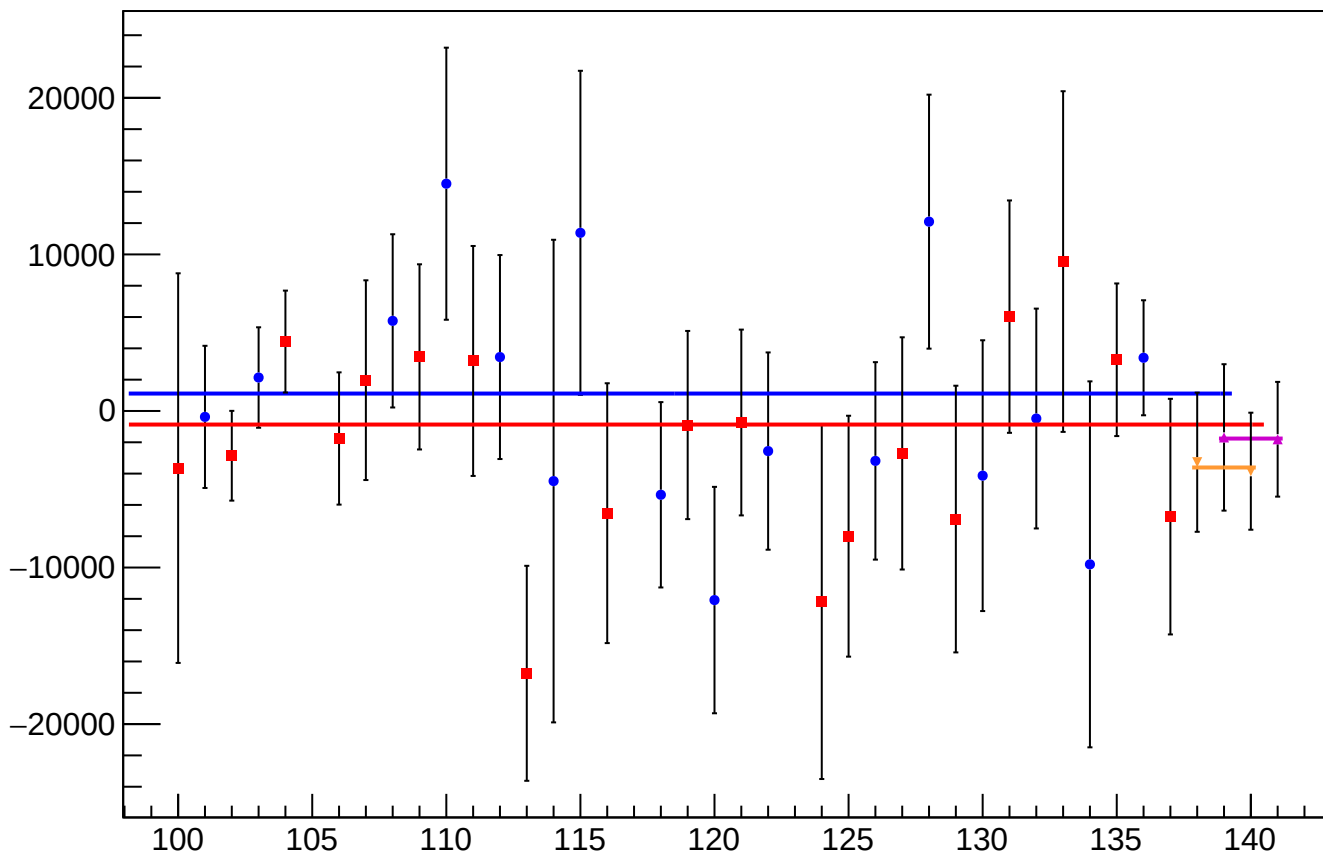
Left In: 1875.303+/-1.008 χ^2/NDF :61.4/1

+ sign 1895.234+/-0.459 χ^2/NDF : 697800.3/17

All: 1884.506+/-0.319 χ^2/NDF : 906577.6/38

- sign 1874.456+/-0.444 χ^2/NDF : 207720.0/20

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

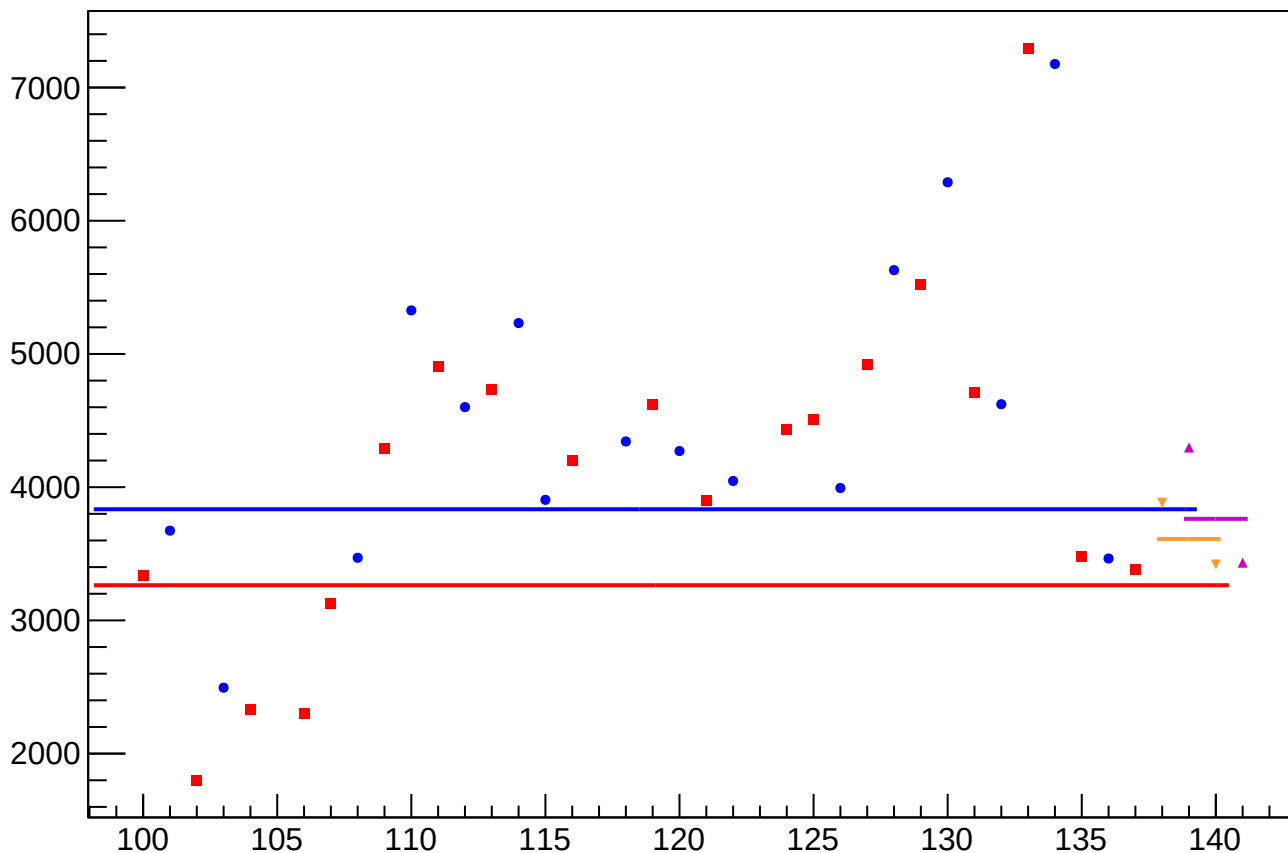
Left In: -1761.924 $\pm$ 2884.461 χ^2 /NDF: 0.0/1

+ sign 116.272 $\pm$ 1313.966 χ^2 /NDF: 15.5/17

All: -507.377 $\pm$ 882.303 χ^2 /NDF: 31.6/38

- sign -1019.466 $\pm$ 1190.657 χ^2 /NDF: 15.7/20

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF : 956775.6/15

Left Out: 3611.435+/-2.023 χ^2/NDF : 12708.1/1

Right Out: 3264.110+/-0.924 χ^2/NDF : 1864241.4/18

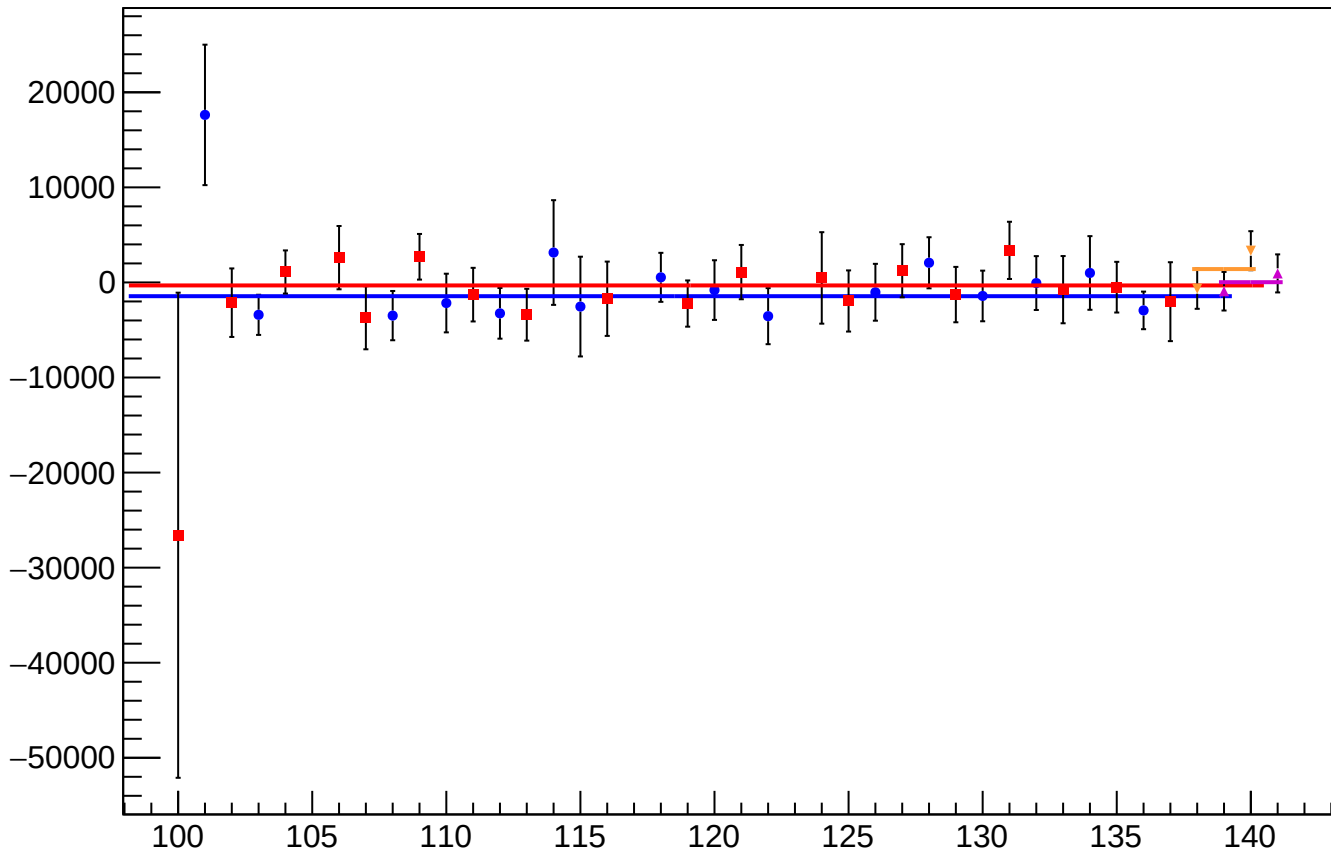
Left In: 3762.431+/-2.040 χ^2/NDF : 42340.5/1

+ sign 3787.168+/-0.929 χ^2/NDF : 979050.7/17

All: 3546.574+/-0.624 χ^2/NDF : 3057268.3/38

- sign 3349.019+/-0.842 χ^2/NDF : 1956103.2/20

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1406.569 ± 1475.622 χ^2/NDF : 1.8/1

Right Out: -315.462 ± 703.596 χ^2/NDF : 9.9/18

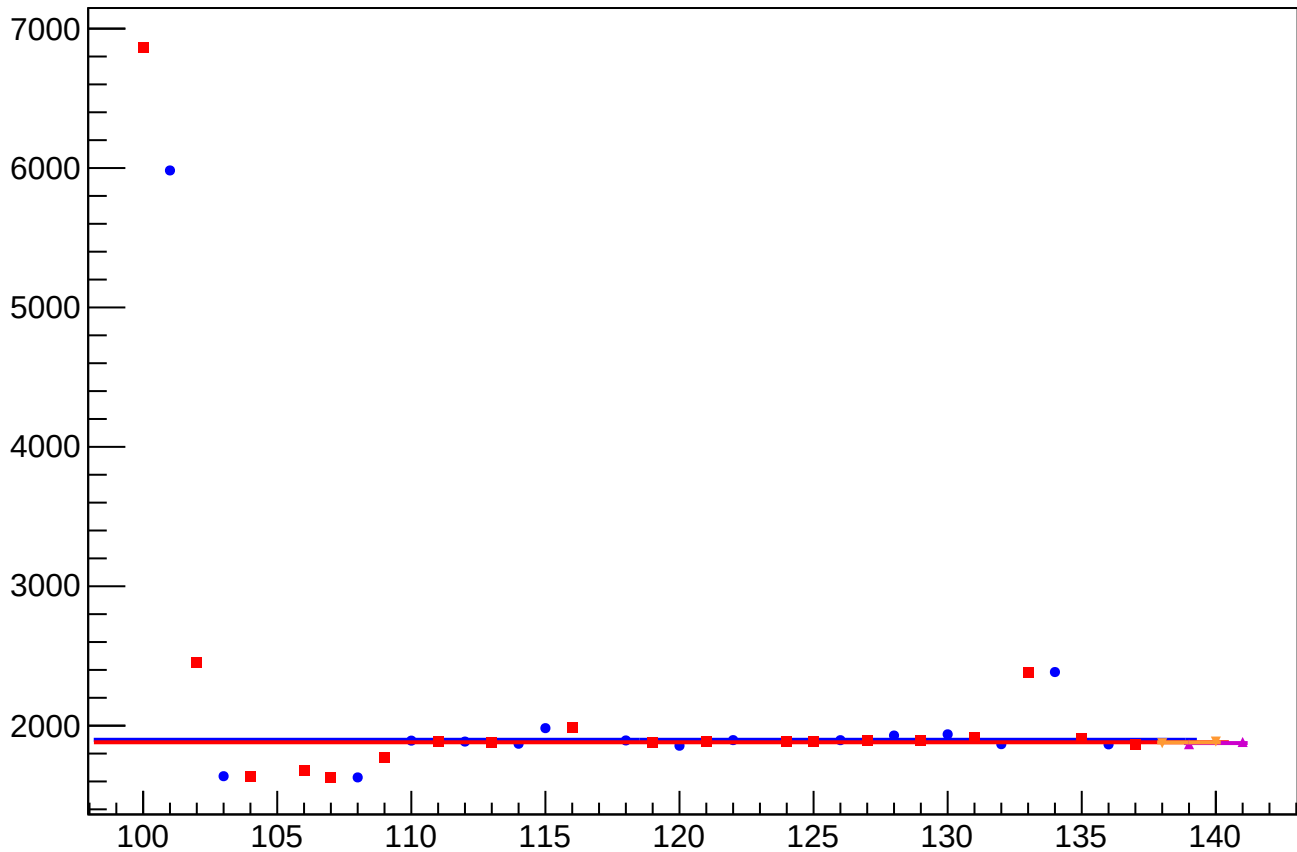
Left In: 26.121 ± 1425.044 χ^2/NDF : 0.4/1

+ sign -894.351 ± 649.358 χ^2/NDF : 18.3/17

All: -562.117 ± 452.494 χ^2/NDF : 29.2/38

- sign -248.513 ± 630.888 χ^2/NDF : 10.4/20

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.4/15

Left Out: 1880.279+/-1.043 χ^2/NDF :31.3/1

Right Out: 1881.007+/-0.497 χ^2/NDF : 216564.4/18

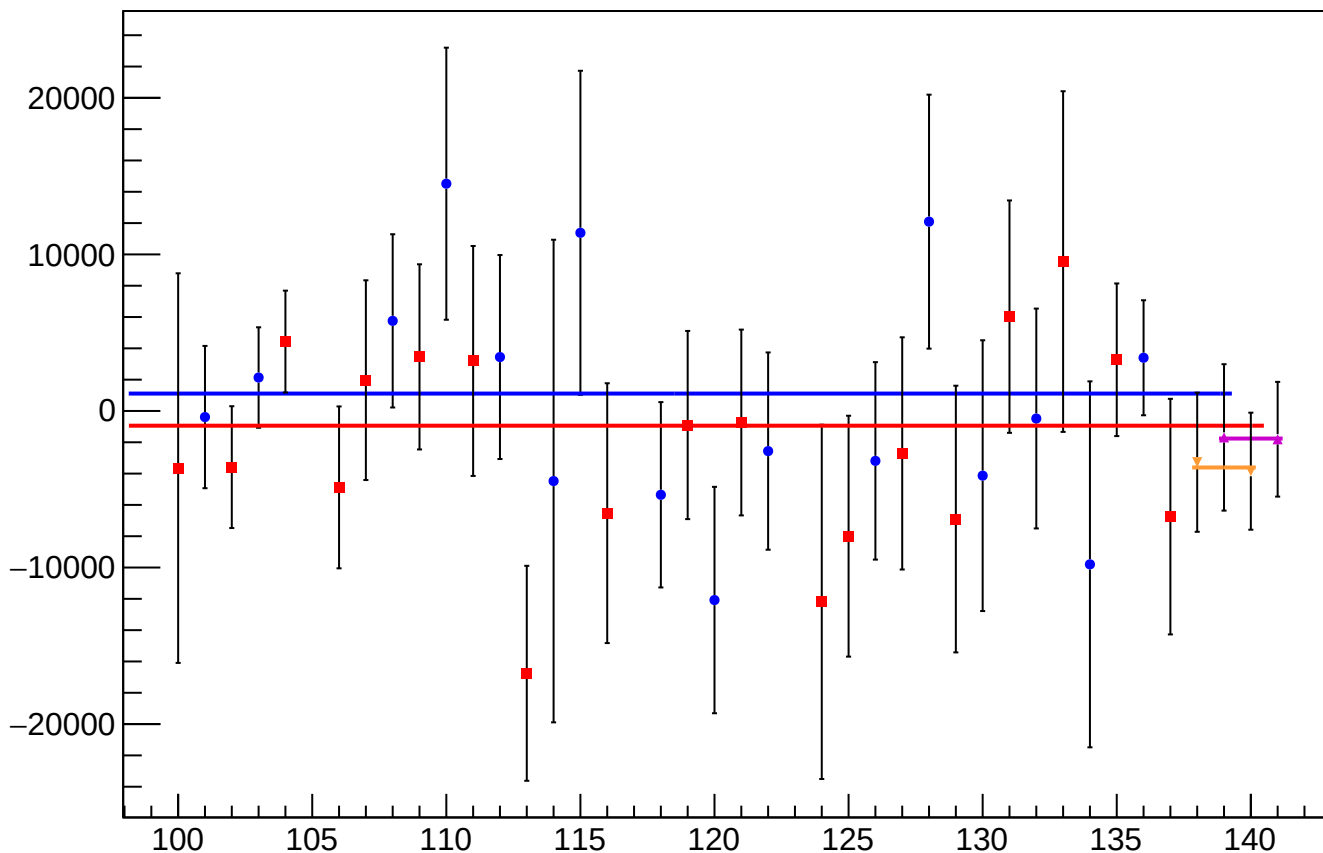
Left In: 1875.303+/-1.008 χ^2/NDF :61.4/1

+ sign 1895.234+/-0.459 χ^2/NDF : 697800.4/17

All: 1887.332+/-0.320 χ^2/NDF : 915027.0/38

- sign 1879.891+/-0.446 χ^2/NDF : 216651.5/20

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

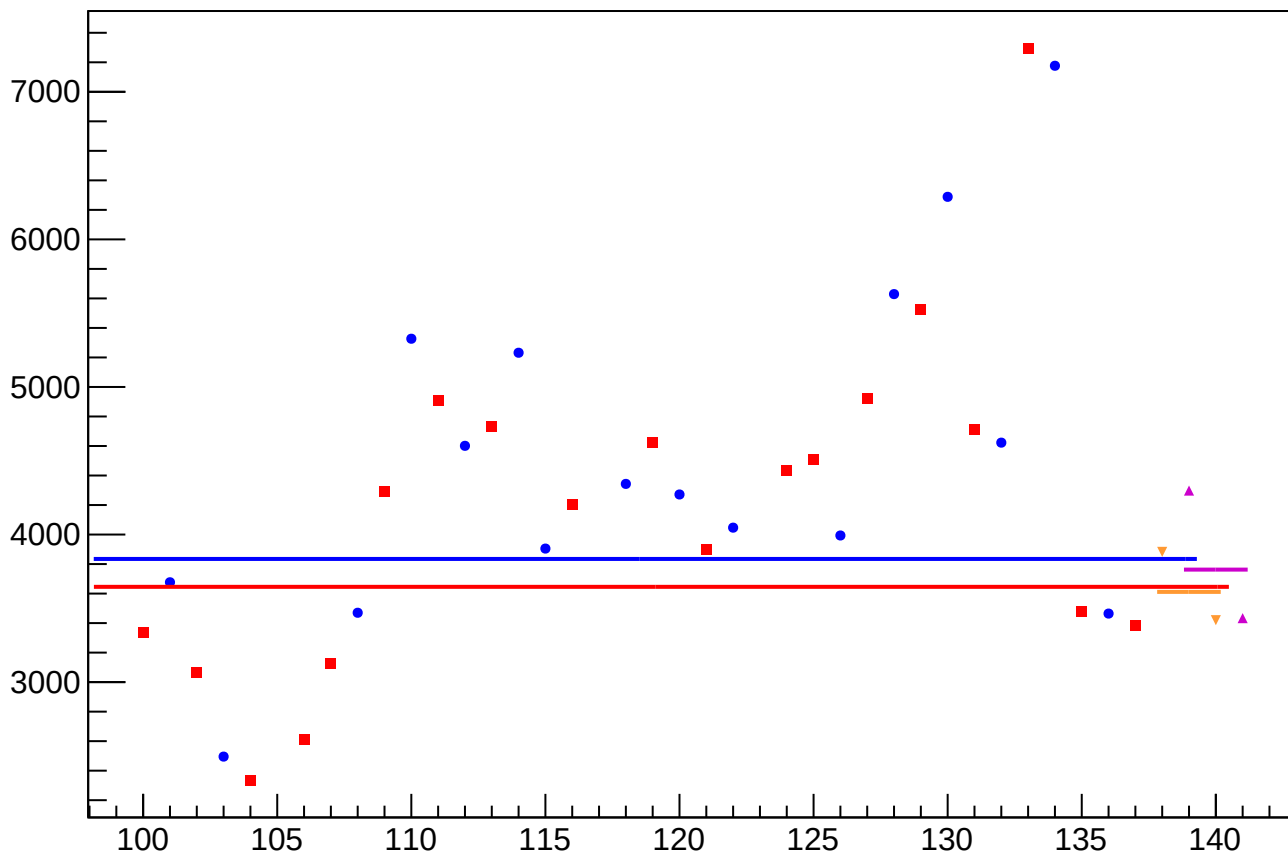
Left In: -1761.616 $\pm$ 2884.452 χ^2 /NDF: 0.0/1

+ sign 115.201 $\pm$ 1314.086 χ^2 /NDF: 15.5/17

All: -516.981 $\pm$ 909.005 χ^2 /NDF: 32.2/38

- sign -1097.043 $\pm$ 1258.753 χ^2 /NDF: 16.2/20

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF : 12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

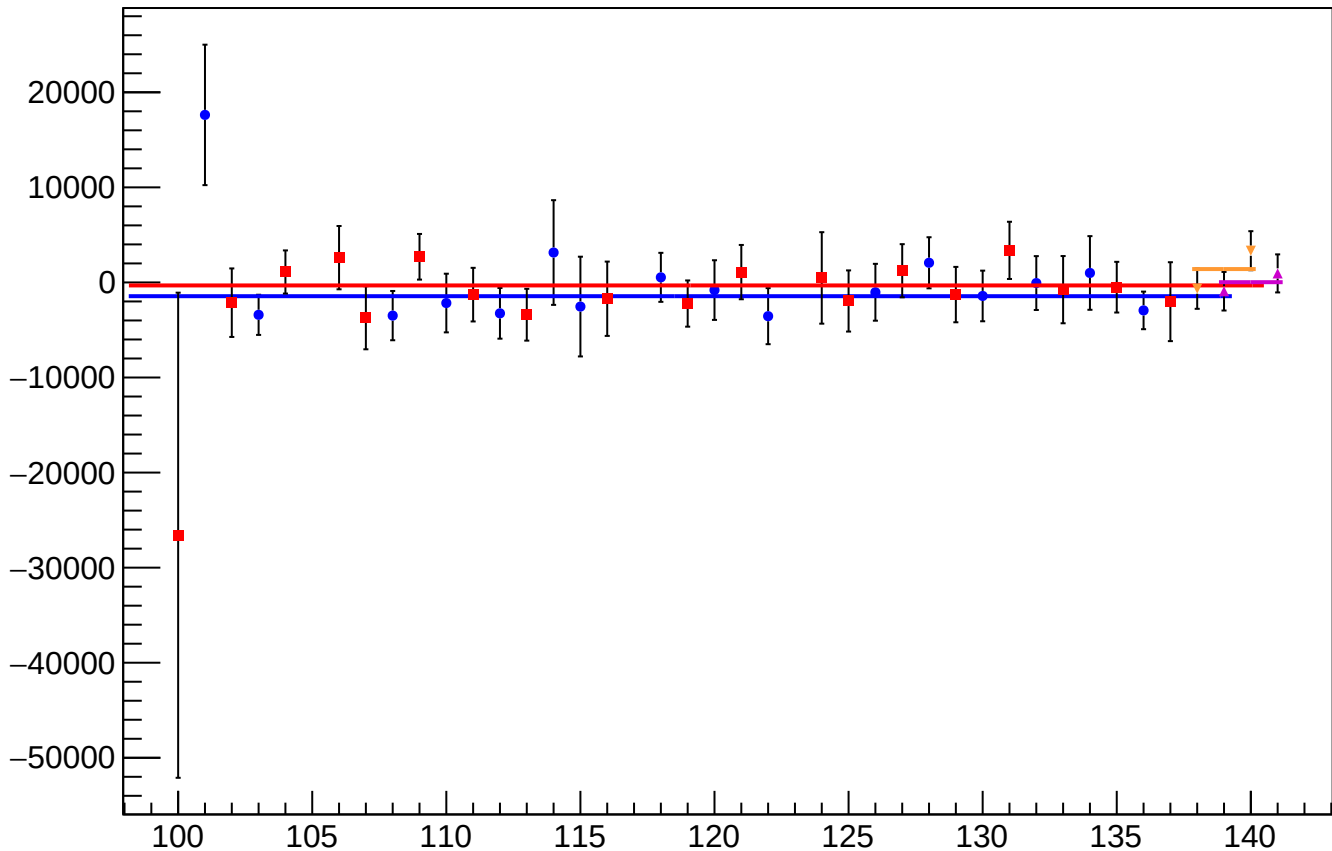
Left In: 3762.420+/-2.040 χ^2/NDF : 42339.6/1

+ sign 3787.573+/-0.929 χ^2/NDF : 978633.3/17

All: 3725.174+/-0.643 χ^2/NDF : 2157253.4/38

- sign 3667.919+/-0.890 χ^2/NDF : 1169972.7/20

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1406.569 ± 1475.622 χ^2/NDF : 1.8/1

Right Out: -315.462 ± 703.596 χ^2/NDF : 9.9/18

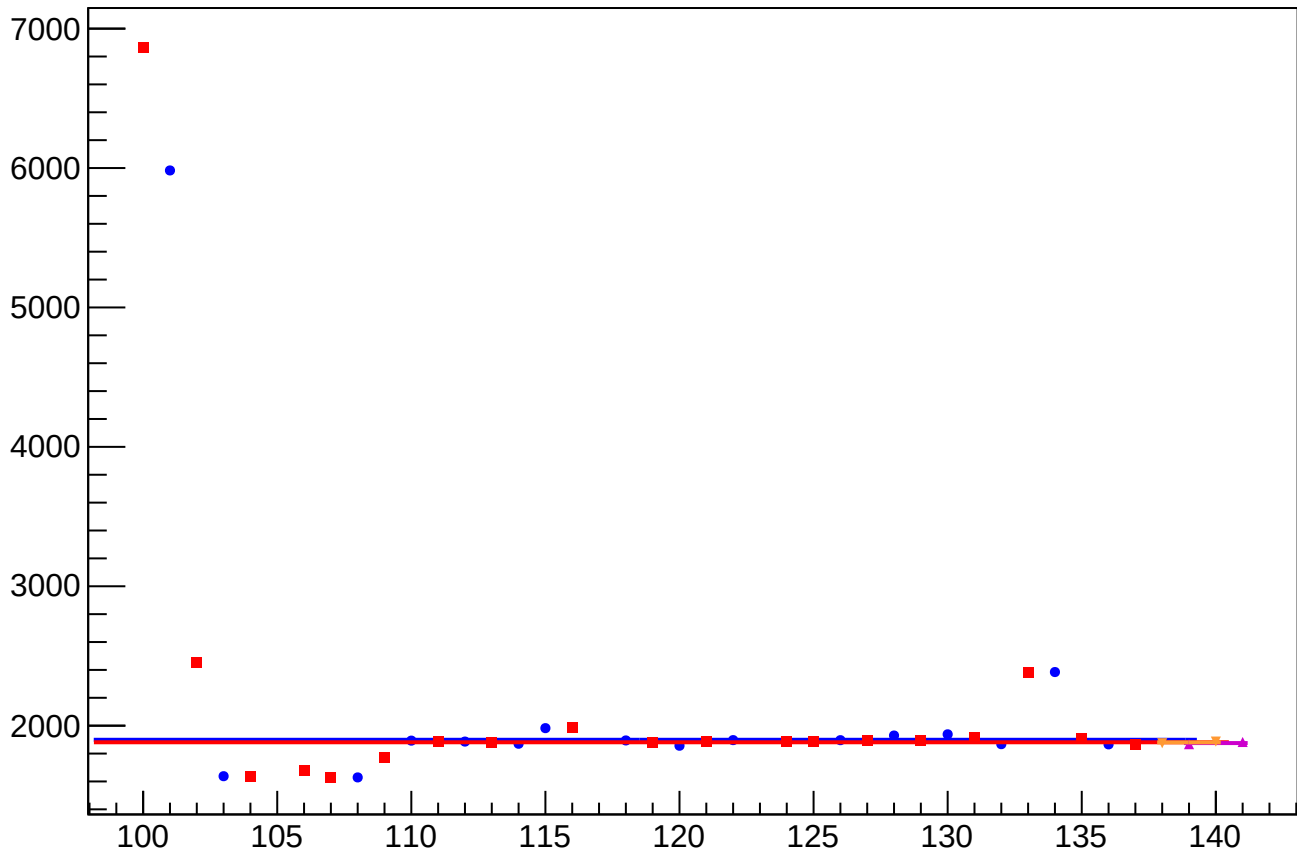
Left In: 26.121 ± 1425.044 χ^2/NDF : 0.4/1

+ sign -894.351 ± 649.358 χ^2/NDF : 18.3/17

All: -562.117 ± 452.494 χ^2/NDF : 29.2/38

- sign -248.513 ± 630.888 χ^2/NDF : 10.4/20

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2 /NDF: 697514.4/15

Left Out: 1880.279+/-1.043 χ^2 /NDF:31.3/1

Right Out: 1881.007+/-0.497 χ^2 /NDF: 216564.4/18

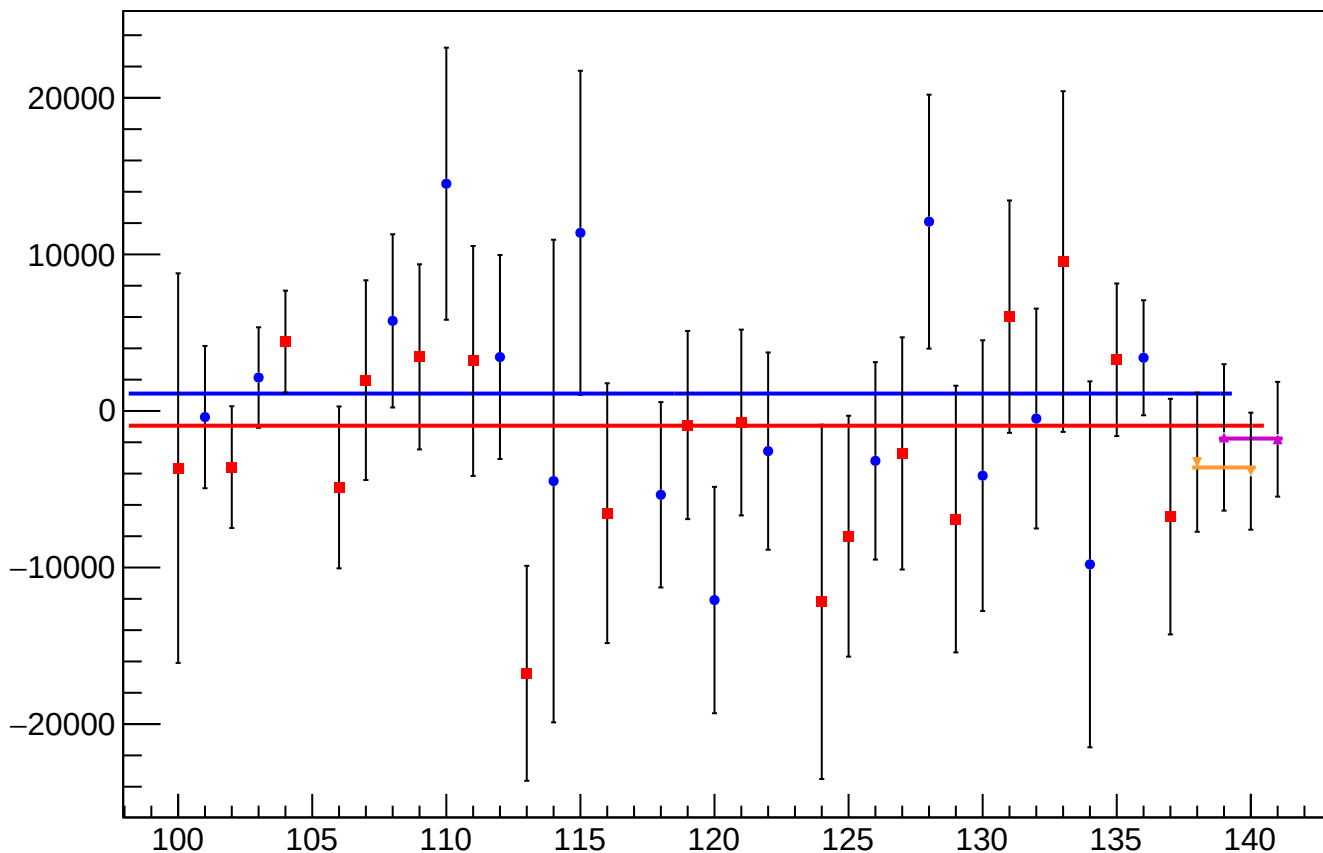
Left In: 1875.303+/-1.008 χ^2 /NDF:61.4/1

+ sign 1895.234+/-0.459 χ^2 /NDF: 697800.4/17

All: 1887.332+/-0.320 χ^2 /NDF: 915027.0/38

- sign 1879.891+/-0.446 χ^2 /NDF: 216651.5/20

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

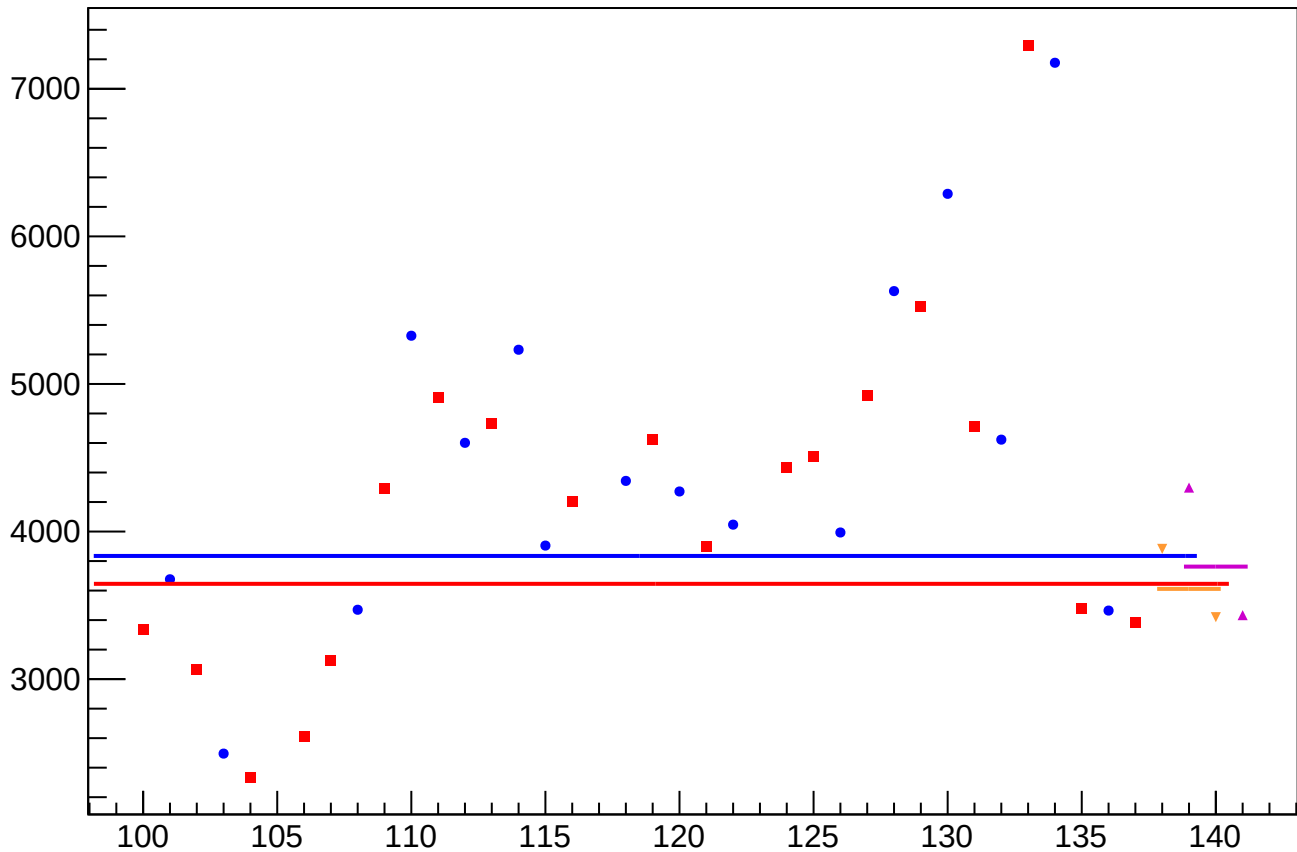
Left In: -1761.616+/-2884.452 χ^2/NDF : 0.0/1

+ sign 115.201+/-1314.086 χ^2/NDF : 15.5/17

All: -516.981+/-909.005 χ^2/NDF : 32.2/38

- sign -1097.043+/-1258.753 χ^2/NDF : 16.2/20

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF :12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

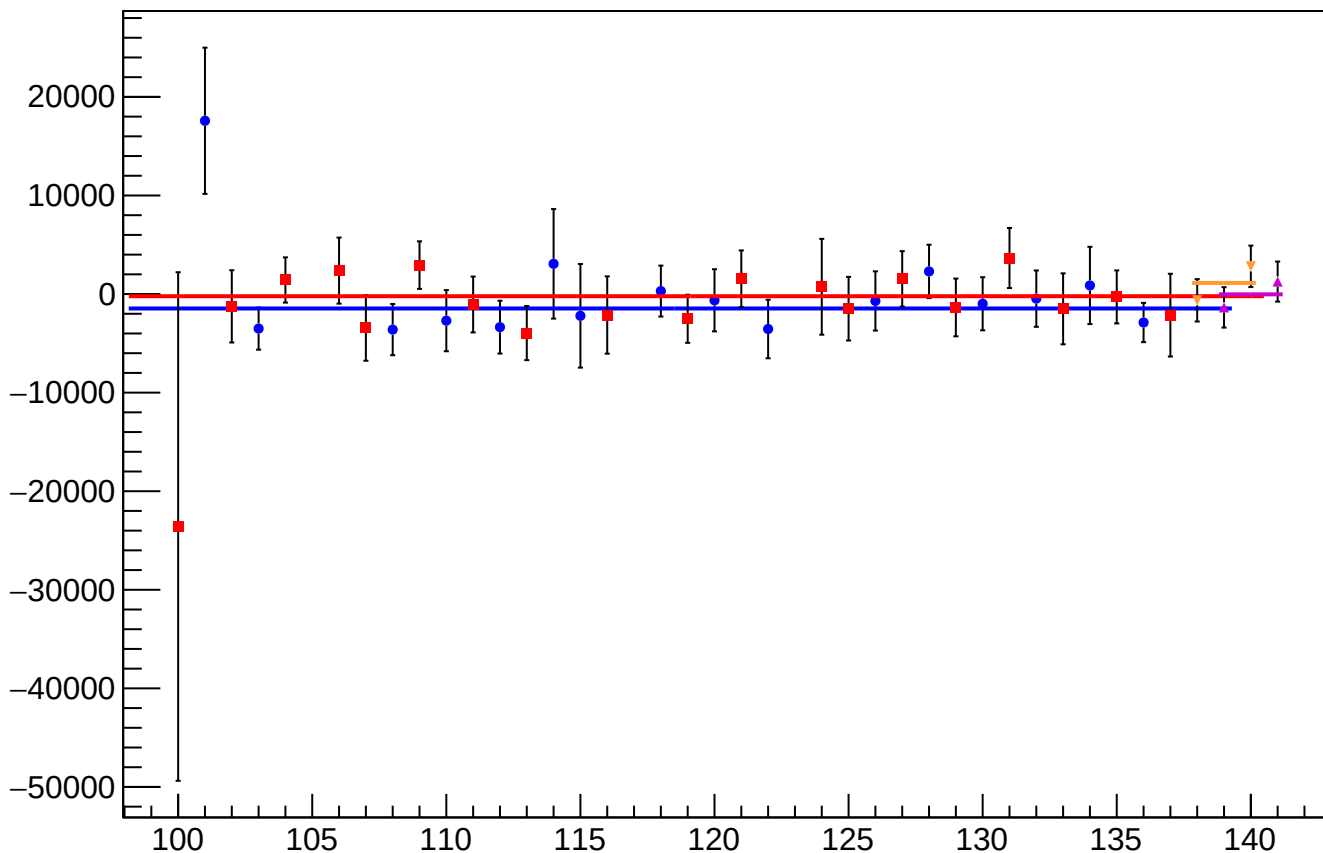
Left In: 3762.420+/-2.040 χ^2/NDF :42339.6/1

+ sign 3787.573+/-0.929 χ^2/NDF : 978633.3/17

All: 3725.174+/-0.643 χ^2/NDF : 2157253.4/38

- sign 3667.919+/-0.890 χ^2/NDF : 1169972.7/20

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

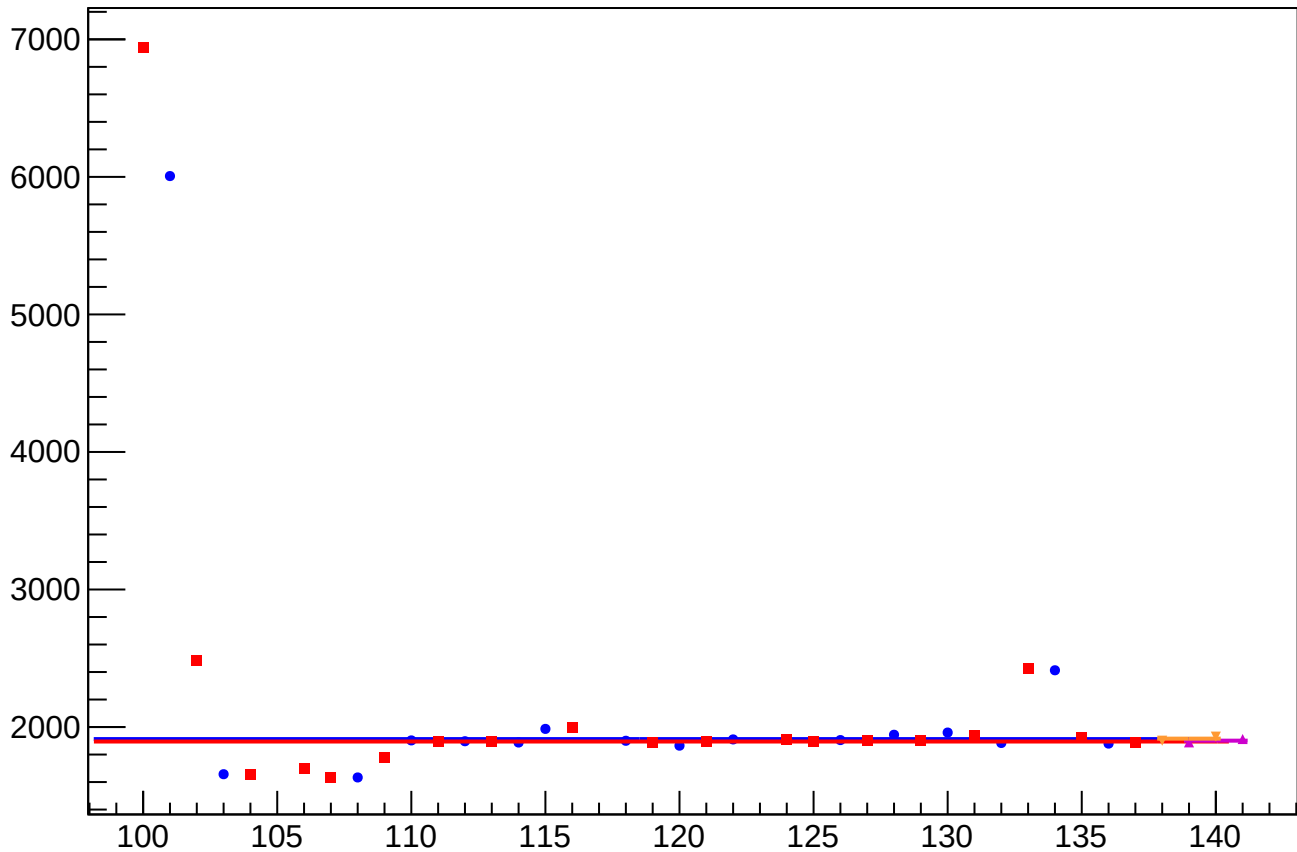
Left In: -29.598 ± 1444.584 χ^2/NDF : 0.8/1

+ sign -970.137 ± 655.437 χ^2/NDF : 17.3/17

All: -564.863 ± 456.572 χ^2/NDF : 29.7/38

- sign -182.830 ± 636.367 χ^2/NDF : 11.6/20

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378 ± 0.515 $\chi^2/\text{NDF}: 696220.3/15$

Left Out: 1915.717 ± 1.063 $\chi^2/\text{NDF}: 193.2/1$

Right Out: 1894.765 ± 0.501 $\chi^2/\text{NDF}: 219781.5/18$

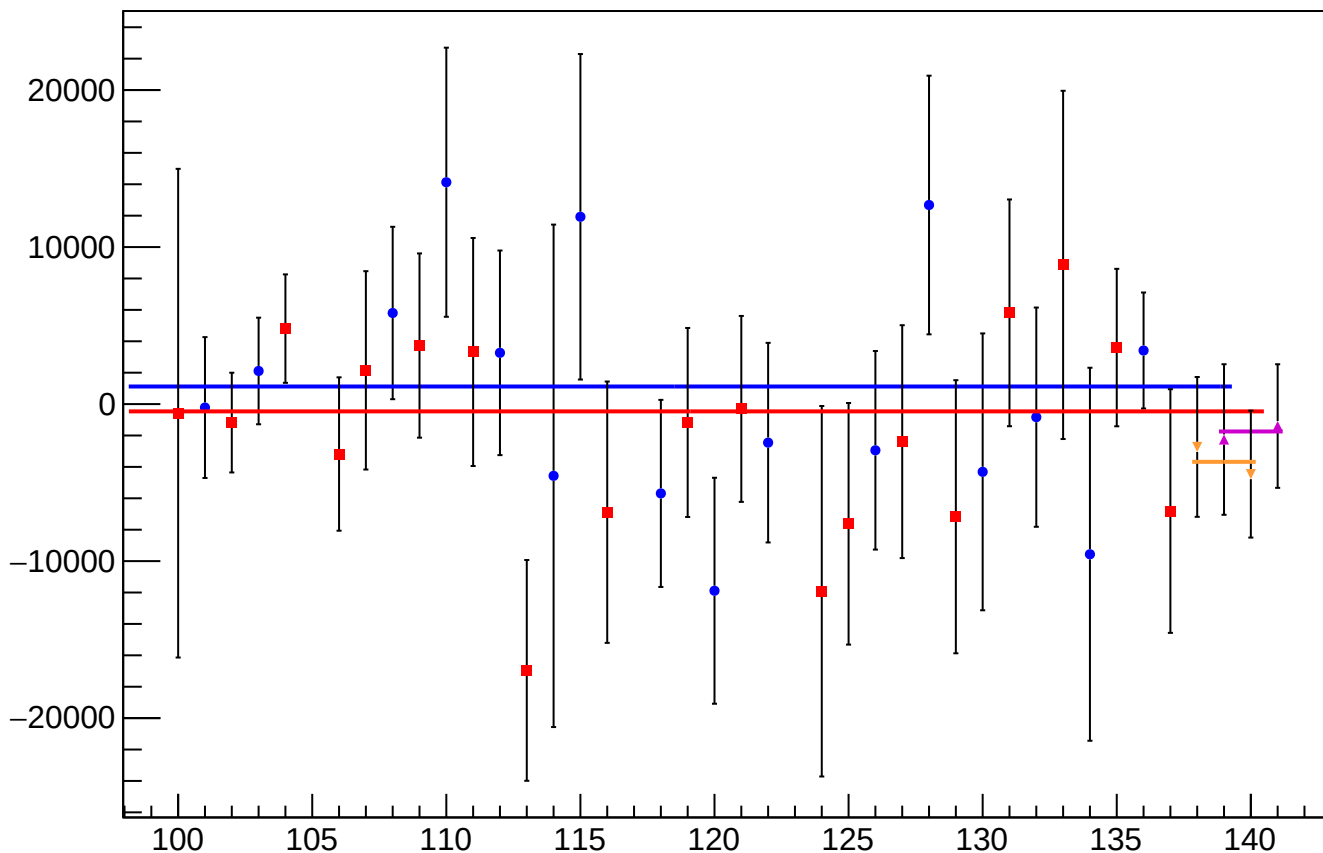
Left In: 1900.960 ± 1.021 $\chi^2/\text{NDF}: 140.9/1$

+ sign 1913.013 ± 0.463 $\chi^2/\text{NDF}: 696421.4/17$

All: 1904.230 ± 0.323 $\chi^2/\text{NDF}: 917070.5/38$

- sign 1895.965 ± 0.450 $\chi^2/\text{NDF}: 219952.0/20$

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF : 13.5/15

Left Out: -3677.129+/-2992.847 χ^2/NDF : 0.1/1

Right Out: -464.368+/-1370.818 χ^2/NDF : 15.0/18

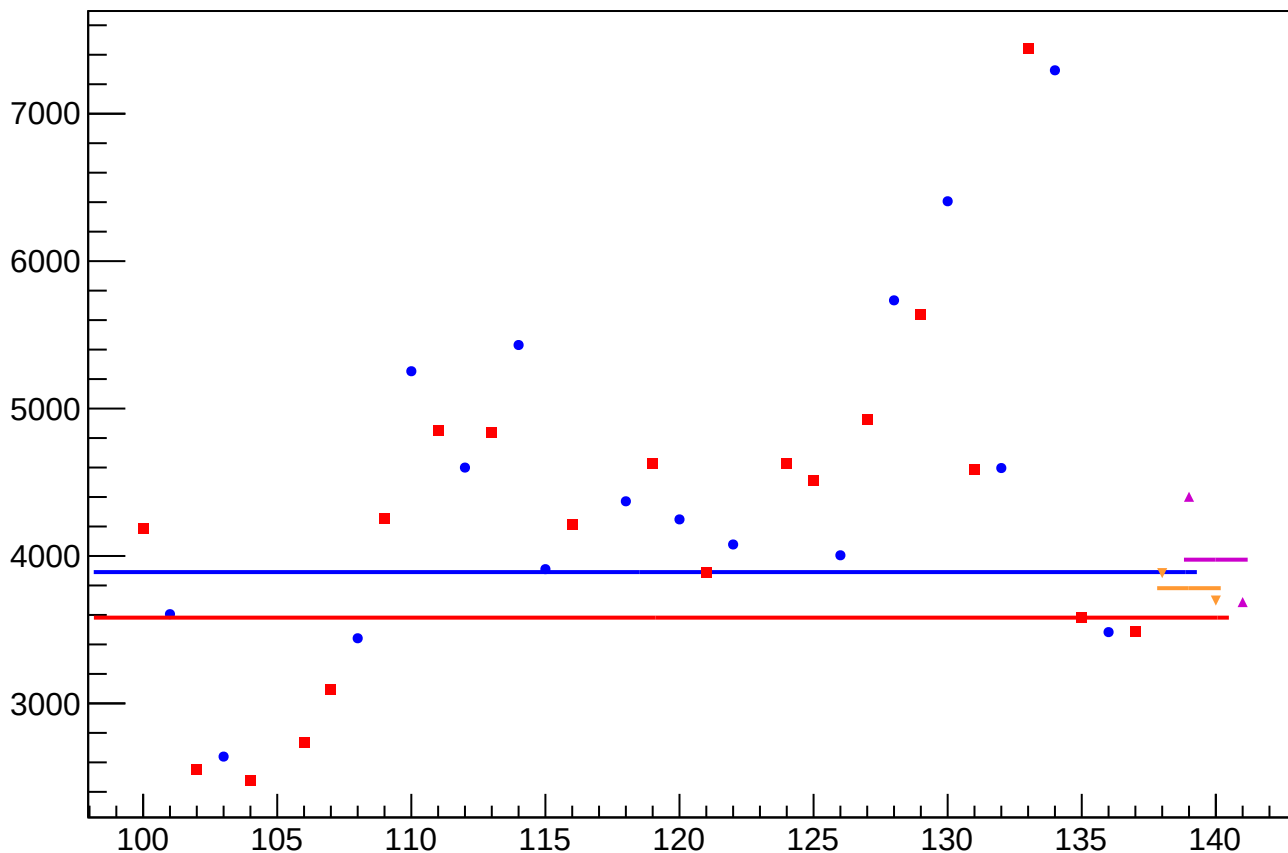
Left In: -1743.623+/-3041.882 χ^2/NDF : 0.0/1

+ sign 159.433+/-1339.334 χ^2/NDF : 15.6/17

All: -289.451+/-913.747 χ^2/NDF : 31.0/38

- sign -680.309+/-1249.775 χ^2/NDF : 15.2/20

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708 $\pm$ 1.059 χ^2/NDF : 878418.2/15

Left Out: 3781.579 $\pm$ 2.116 χ^2/NDF : 1915.8/1

Right Out: 3581.780 $\pm$ 0.969 χ^2/NDF : 1221855.2/18

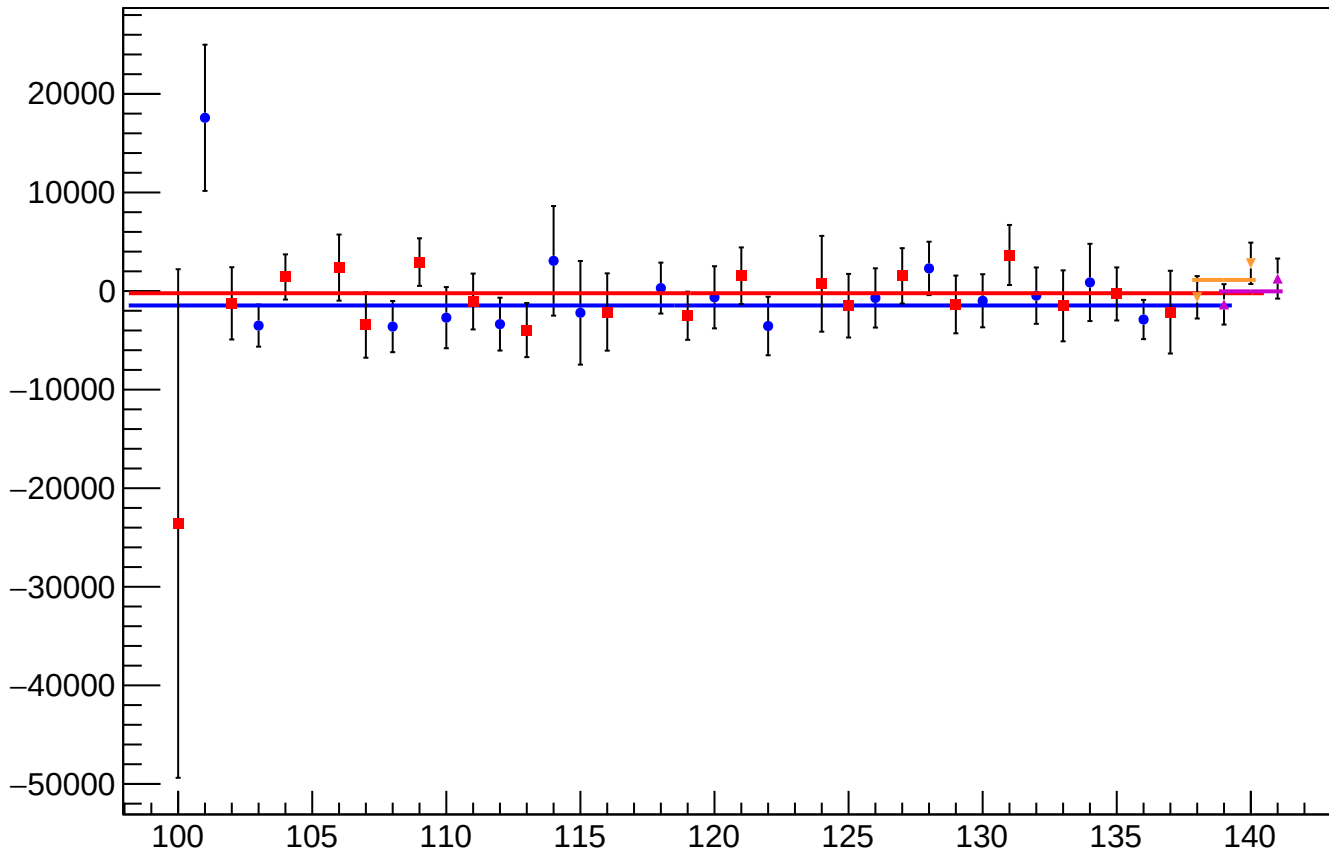
Left In: 3974.975 $\pm$ 2.151 χ^2/NDF : 26532.6/1

+ sign 3868.853 $\pm$ 0.947 χ^2/NDF : 882460.6/17

All: 3750.878 $\pm$ 0.646 χ^2/NDF : 2187654.1/38

- sign 3648.153 $\pm$ 0.884 χ^2/NDF : 1276163.5/20

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646 ± 728.274 χ^2/NDF : 13.6/15

Left Out: 1129.167 ± 1503.582 χ^2/NDF : 1.3/1

Right Out: -219.720 ± 708.852 χ^2/NDF : 10.8/18

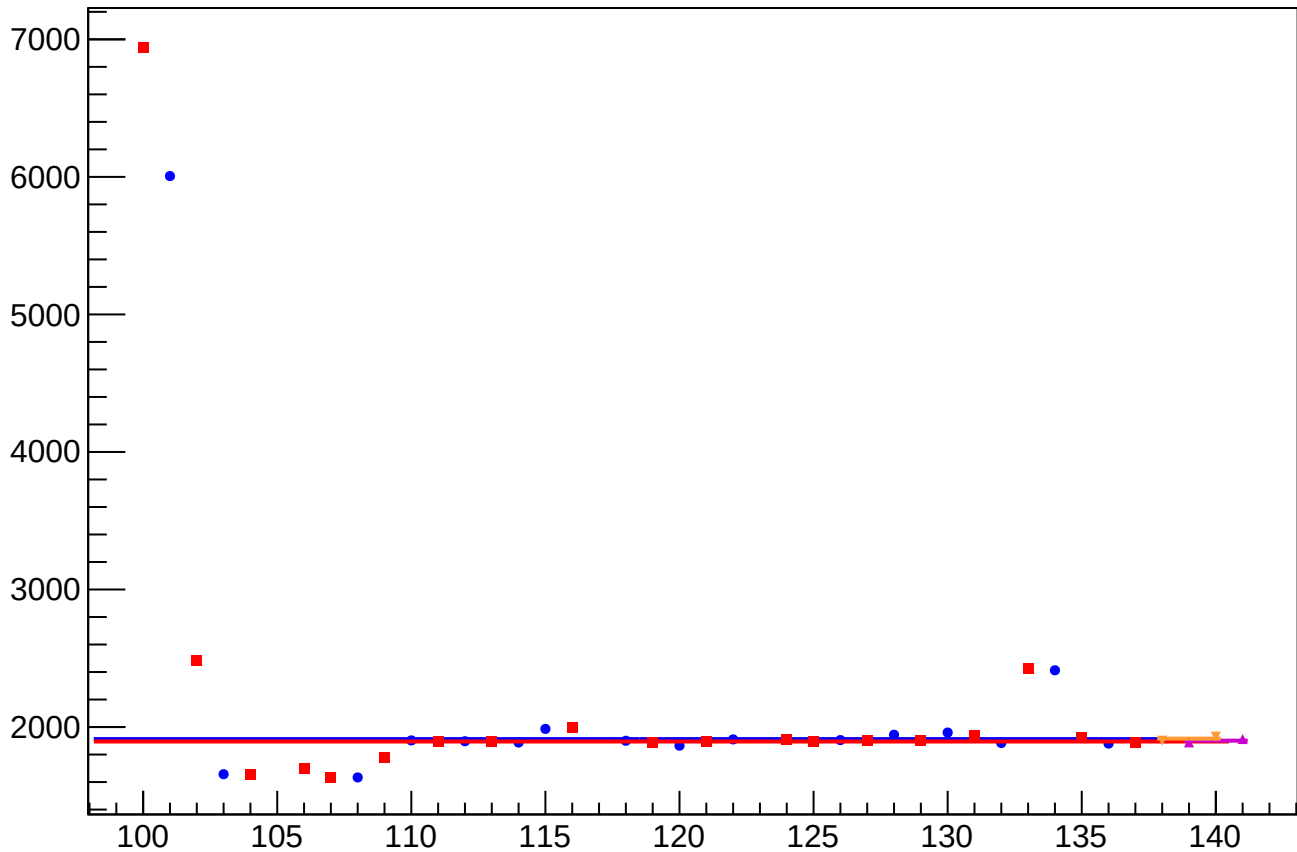
Left In: -29.615 ± 1444.584 χ^2/NDF : 0.8/1

+ sign -970.140 ± 655.437 χ^2/NDF : 17.3/17

All: -564.864 ± 456.572 χ^2/NDF : 29.7/38

- sign -182.829 ± 636.367 χ^2/NDF : 11.6/20

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.1/15

Left Out: 1915.717+/-1.063 χ^2/NDF : 193.2/1

+ sign 1913.013+/-0.463 χ^2/NDF : 696421.3/17

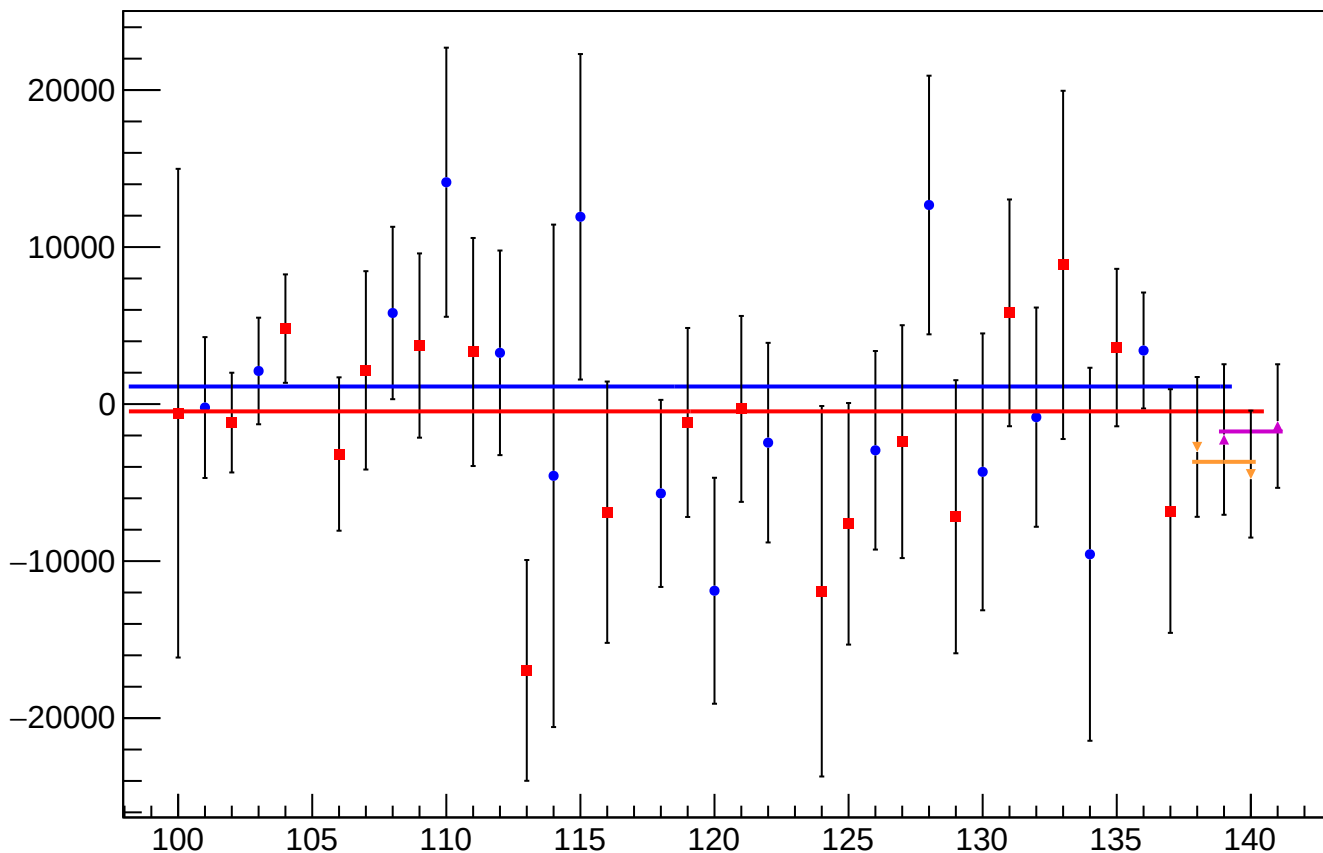
Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

All: 1904.230+/-0.323 χ^2/NDF : 917070.3/38

- sign 1895.965+/-0.450 χ^2/NDF : 219952.0/20

Left In: 1900.961+/-1.021 χ^2/NDF : 140.8/1

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

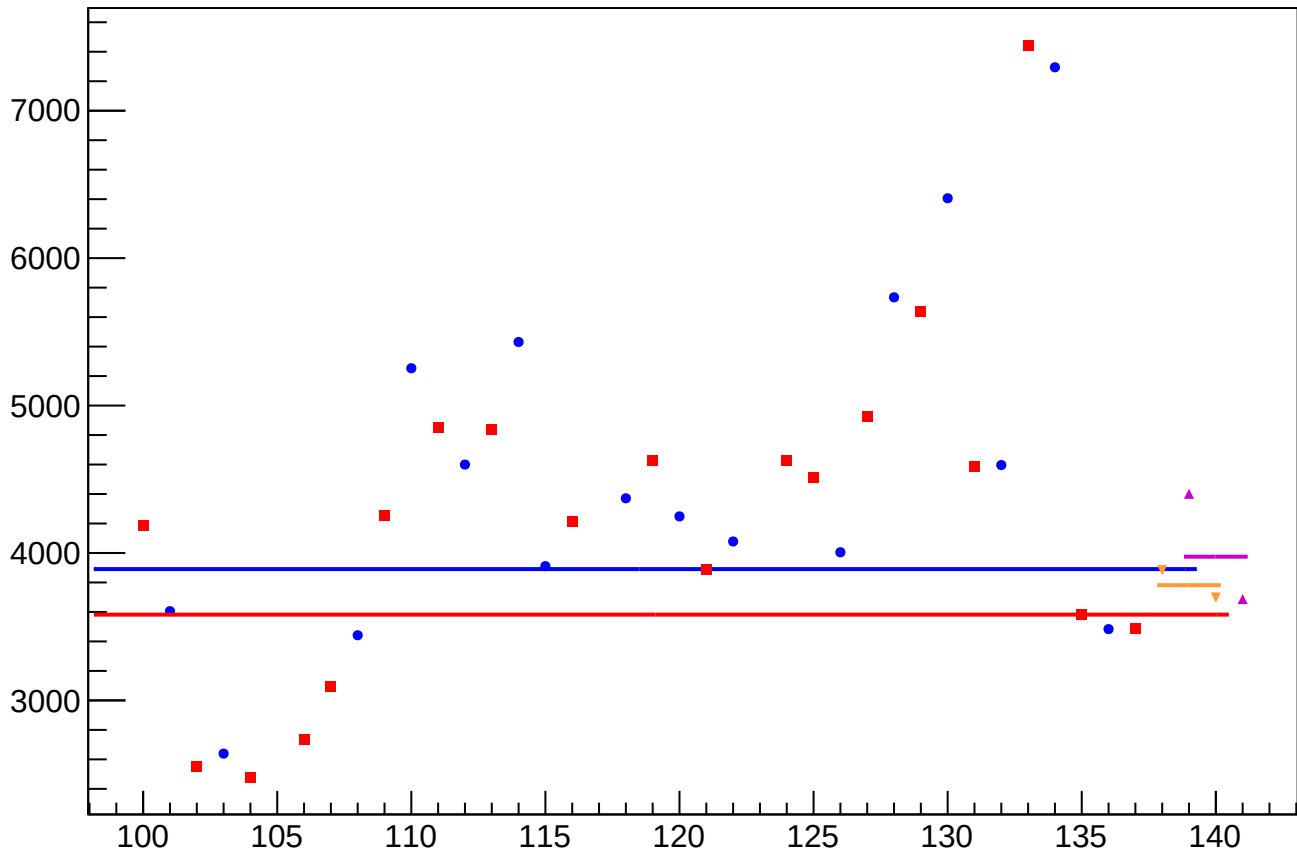
Left In: -1743.640+/-3041.884 χ^2/NDF : 0.0/1

+ sign 159.426+/-1339.333 χ^2/NDF : 15.6/17

All: -289.455+/-913.746 χ^2/NDF : 31.0/38

- sign -680.311+/-1249.774 χ^2/NDF : 15.2/20

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF : 878409.2/15

Left Out: 3781.582+/-2.116 χ^2/NDF : 1916.0/1

+ sign 3868.852+/-0.947 χ^2/NDF : 882451.6/17

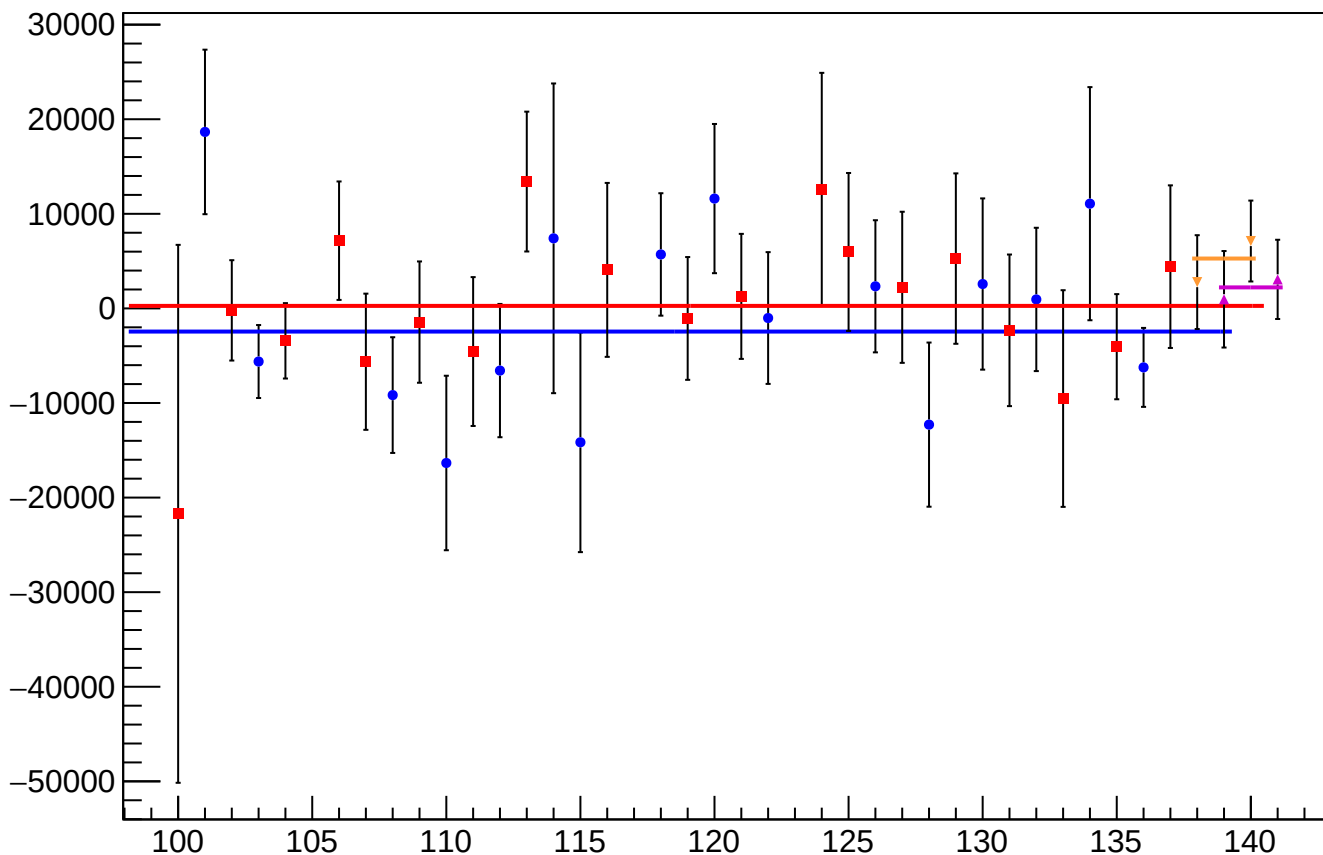
Right Out: 3581.777+/-0.969 χ^2/NDF : 1221846.6/18

All: 3750.876+/-0.646 χ^2/NDF : 2187638.4/38

- sign 3648.150+/-0.884 χ^2/NDF : 1276156.6/20

Left In: 3974.978+/-2.151 χ^2/NDF : 26533.5/1

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

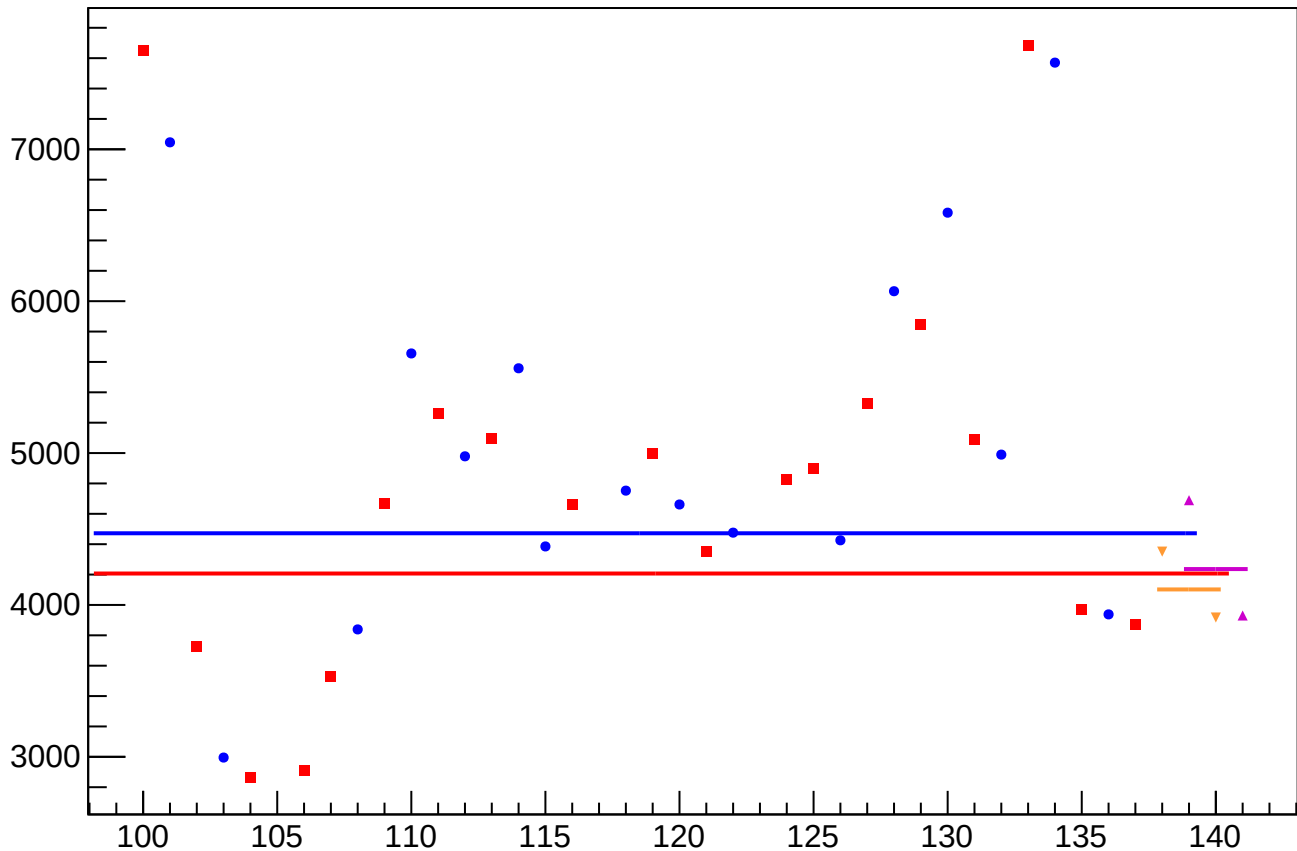
Left In: 2221.307 $\pm$ 3236.870 χ^2 /NDF: 0.1/1

+ sign -750.049 $\pm$ 1518.821 χ^2 /NDF: 25.7/17

All: -13.361 $\pm$ 1048.992 χ^2 /NDF: 37.3/38

- sign 658.571 $\pm$ 1450.532 χ^2 /NDF: 11.1/20

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF : 891678.4/15

Left Out: 4102.122+/-2.290 χ^2/NDF : 8779.4/1

Right Out: 4206.907+/-1.138 χ^2/NDF : 846525.2/18

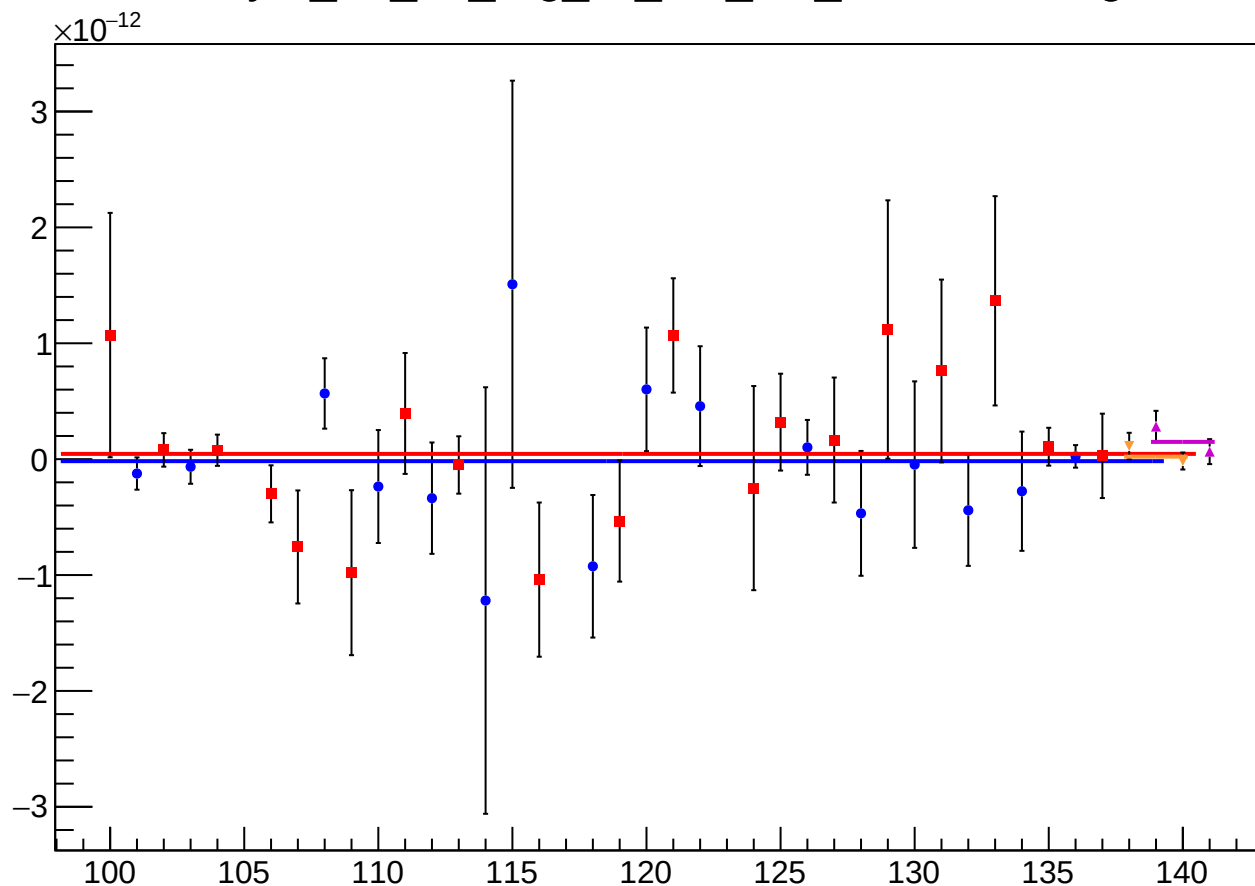
Left In: 4236.270+/-2.289 χ^2/NDF : 26470.1/1

+ sign 4390.563+/-1.074 χ^2/NDF : 920799.4/17

All: 4296.976+/-0.739 χ^2/NDF : 1808356.3/38

- sign 4212.727+/-1.019 χ^2/NDF : 873127.3/20

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.2/18

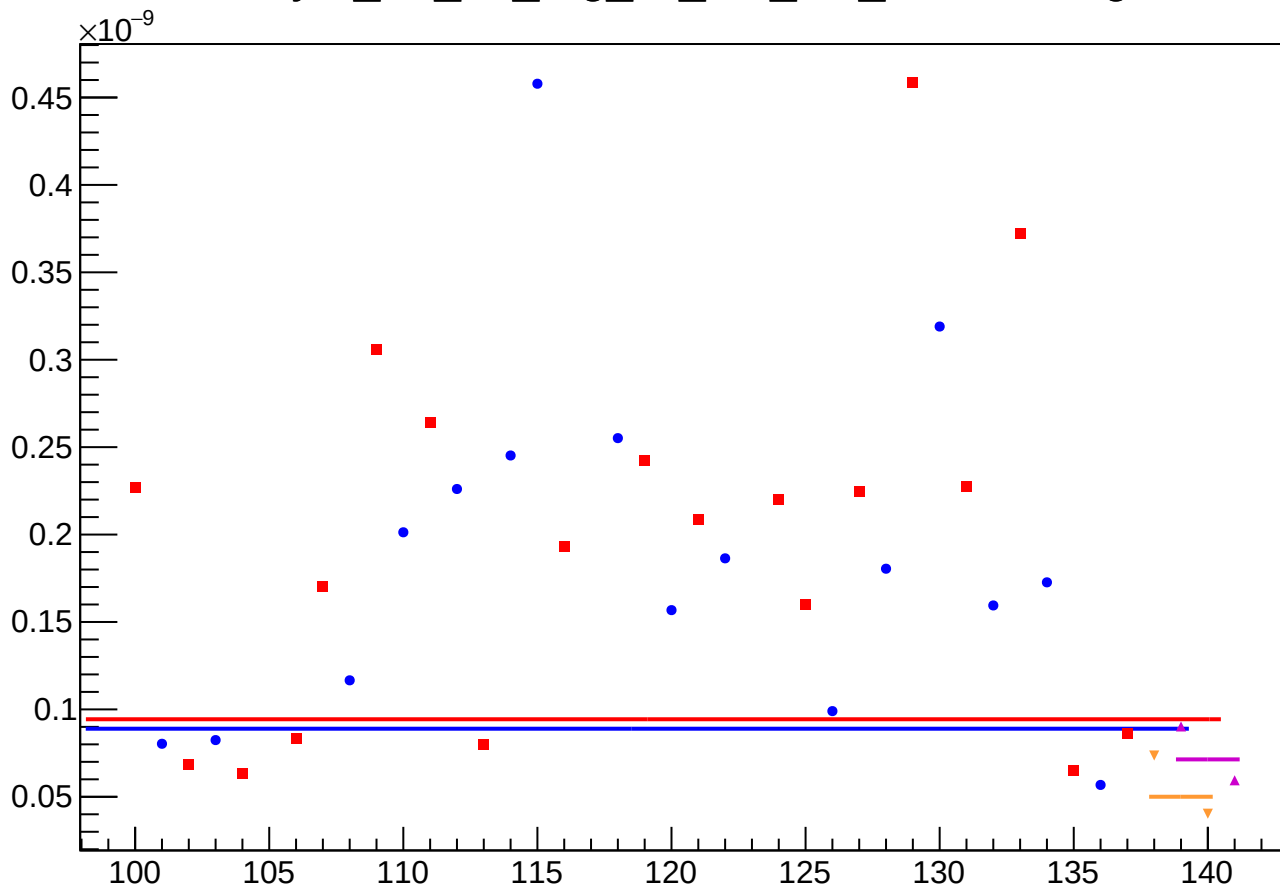
Left In: 0.000 ± 0.000 χ^2/NDF : 1.6/1

+ sign 0.000 ± 0.000 χ^2/NDF : 13.9/17

All: 0.000 ± 0.000 χ^2/NDF : 39.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 23.7/20

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

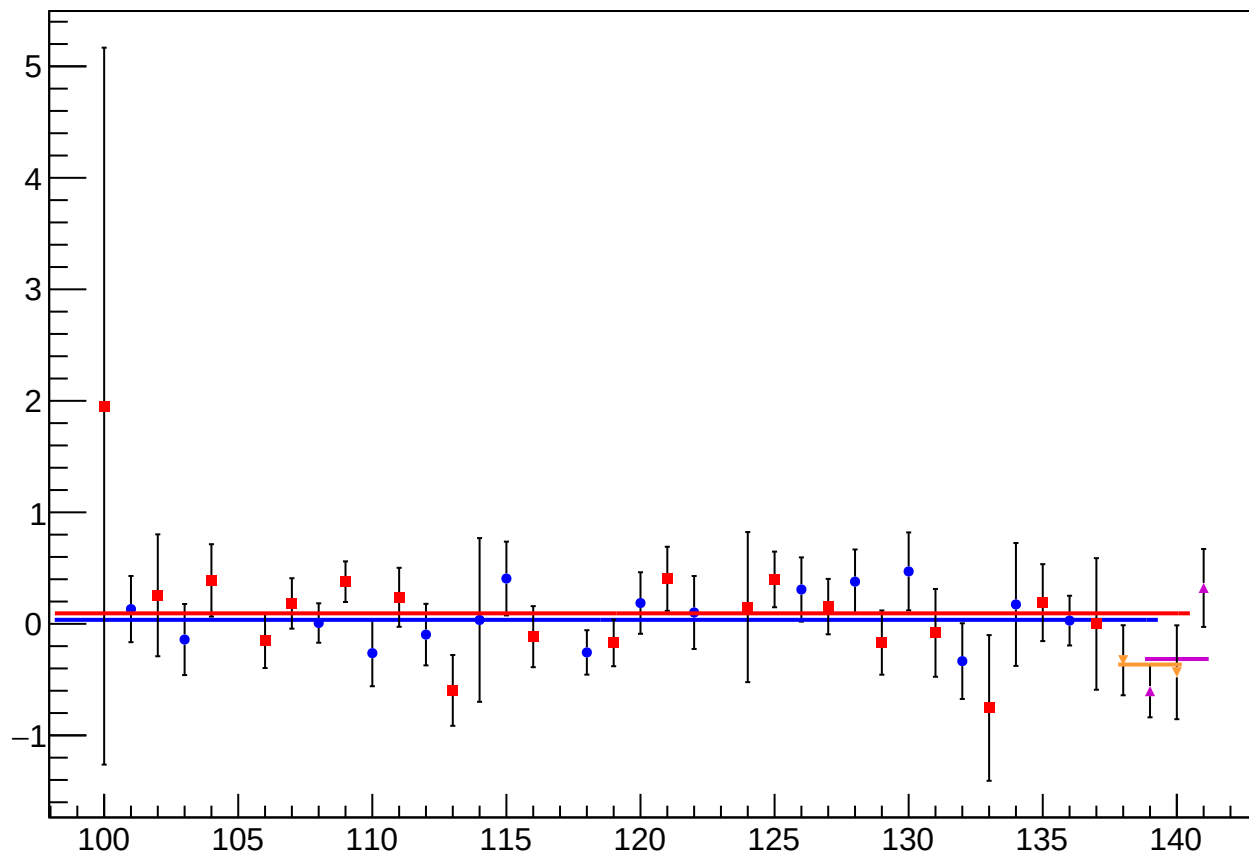
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 63307.8/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1750611.2/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 3704340.9/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1848114.8/20

asym_atr_dd_dit_vs_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

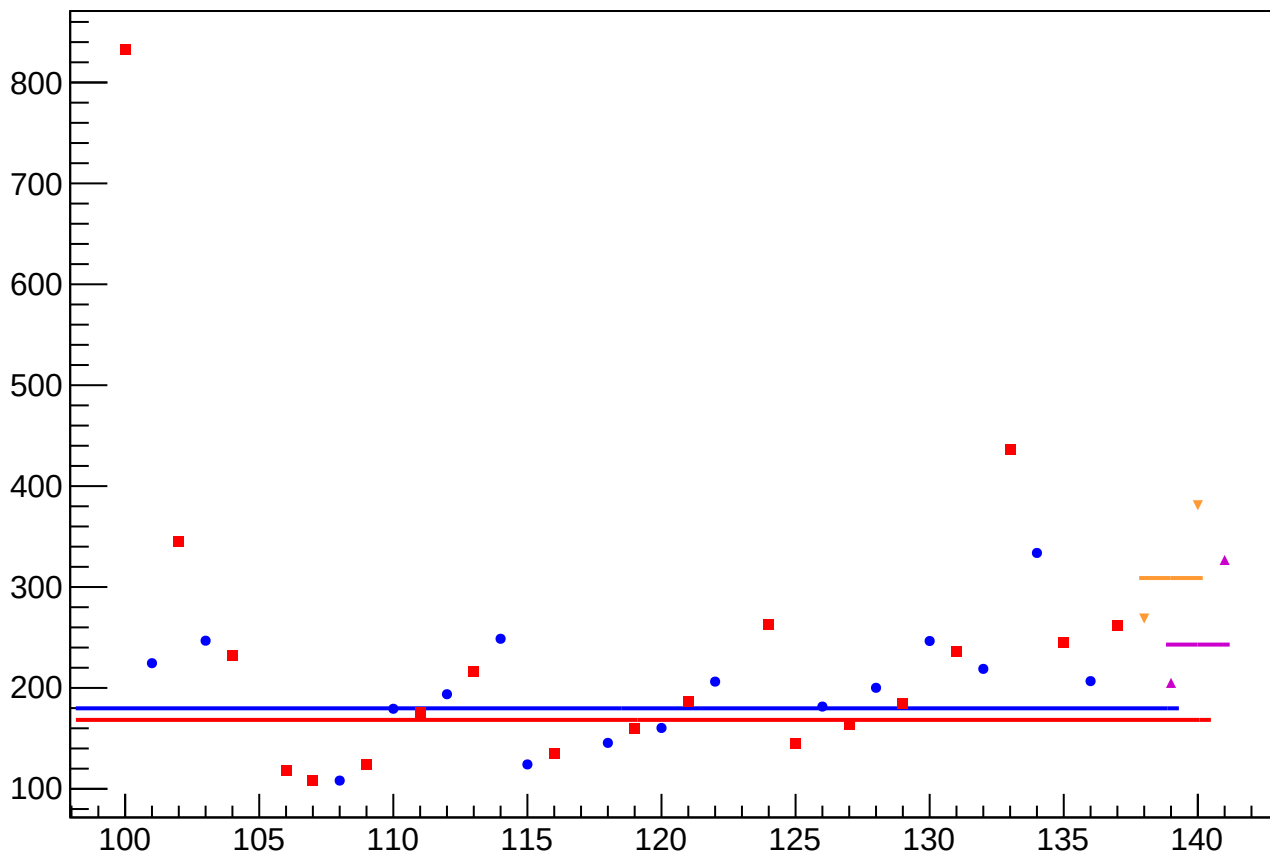
Left In: -0.315 $\pm$ 0.195 χ^2 /NDF: 4.8/1

+ sign 0.007 $\pm$ 0.068 χ^2 /NDF: 12.9/17

All: 0.030 $\pm$ 0.047 χ^2 /NDF: 39.5/38

- sign 0.050 $\pm$ 0.064 χ^2 /NDF: 26.4/20

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796 $\pm$ 0.050 χ^2 /NDF: 918536.0/15

Left Out: 308.907 $\pm$ 0.178 χ^2 /NDF: 91390.8/1

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

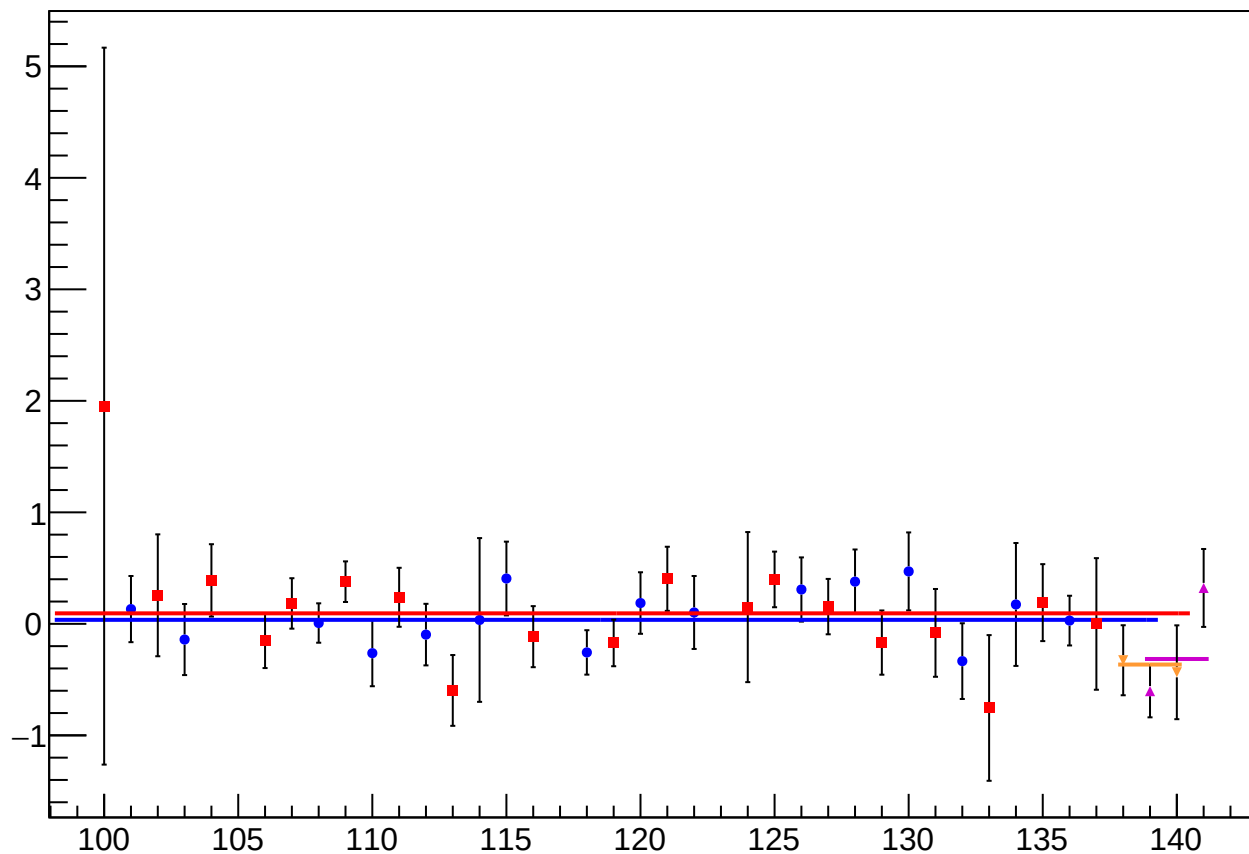
Left In: 242.956 $\pm$ 0.138 χ^2 /NDF: 167259.3/1

+ sign 189.211 $\pm$ 0.048 χ^2 /NDF: 1497966.7/17

All: 182.382 $\pm$ 0.033 χ^2 /NDF: 3373891.8/38

- sign 176.343 $\pm$ 0.045 χ^2 /NDF: 1837870.4/20

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF : 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF : 0.0/1

Right Out: 0.094+/-0.068 χ^2/NDF : 17.6/18

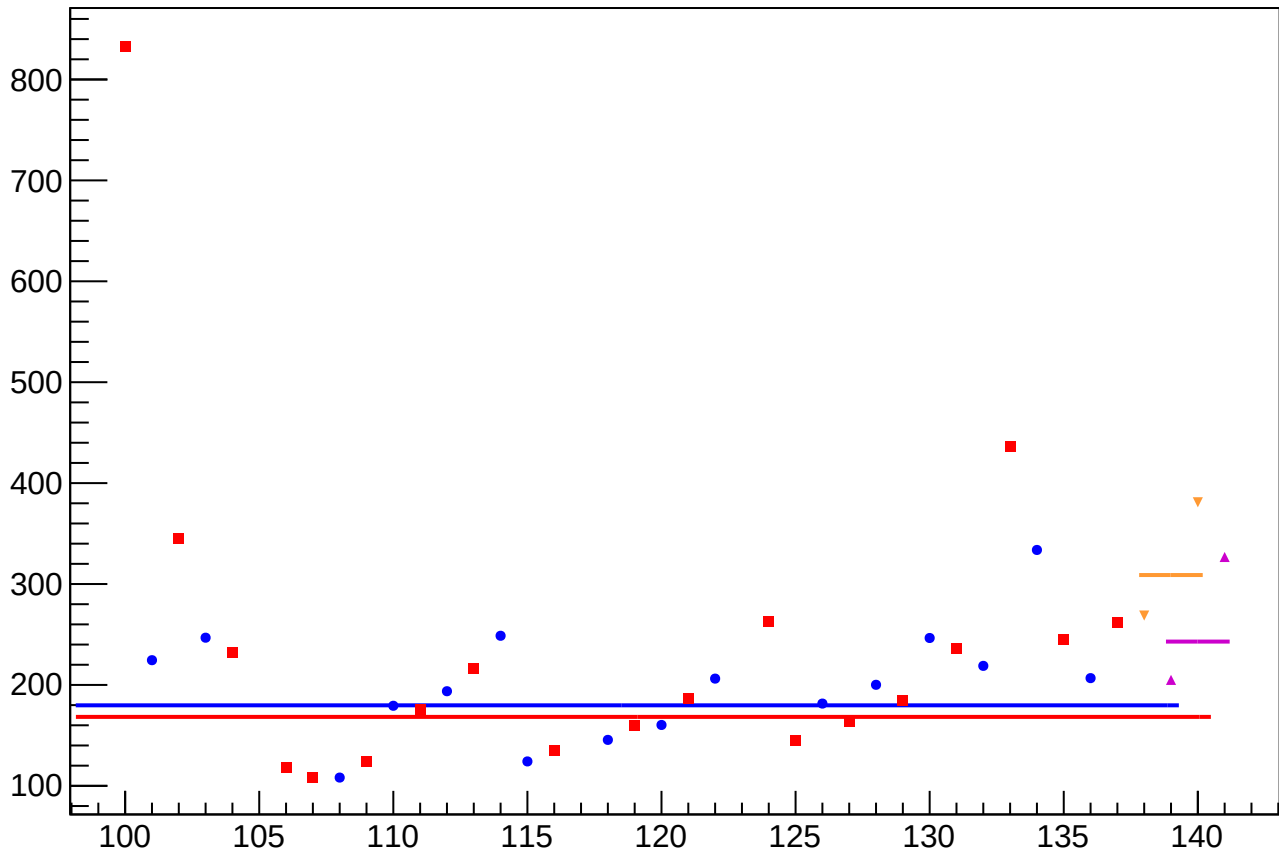
Left In: -0.315+/-0.195 χ^2/NDF : 4.8/1

+ sign 0.007+/-0.068 χ^2/NDF : 12.9/17

All: 0.030+/-0.047 χ^2/NDF : 39.5/38

- sign 0.050+/-0.064 χ^2/NDF : 26.4/20

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796 $\pm$ 0.050 χ^2 /NDF: 918536.0/15

Left Out: 308.907 $\pm$ 0.178 χ^2 /NDF:91390.8/1

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

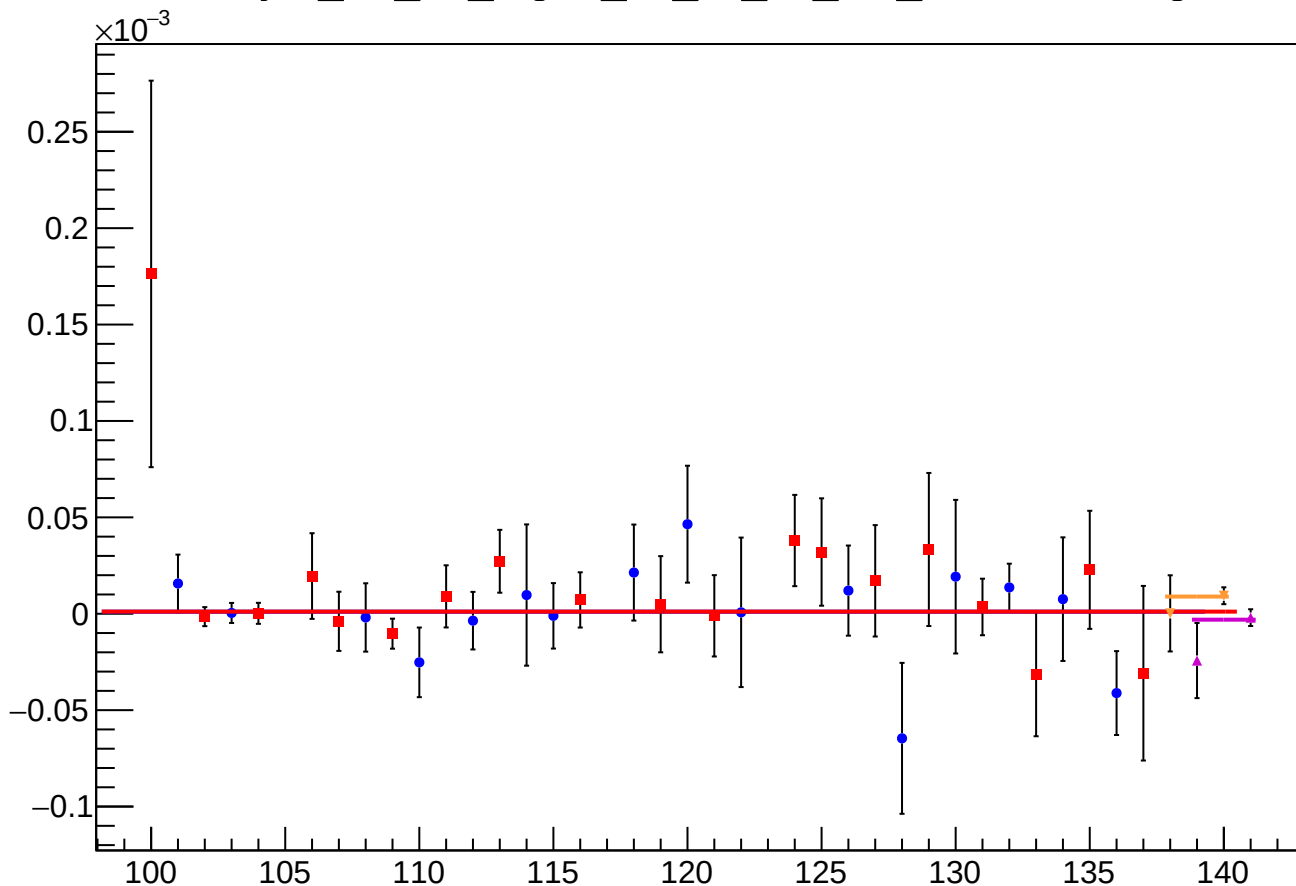
Left In: 242.956 $\pm$ 0.138 χ^2 /NDF:167259.3/1

+ sign 189.211 $\pm$ 0.048 χ^2 /NDF: 1497966.7/17

All: 182.382 $\pm$ 0.033 χ^2 /NDF: 3373891.8/38

- sign 176.343 $\pm$ 0.045 χ^2 /NDF: 1837870.4/20

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

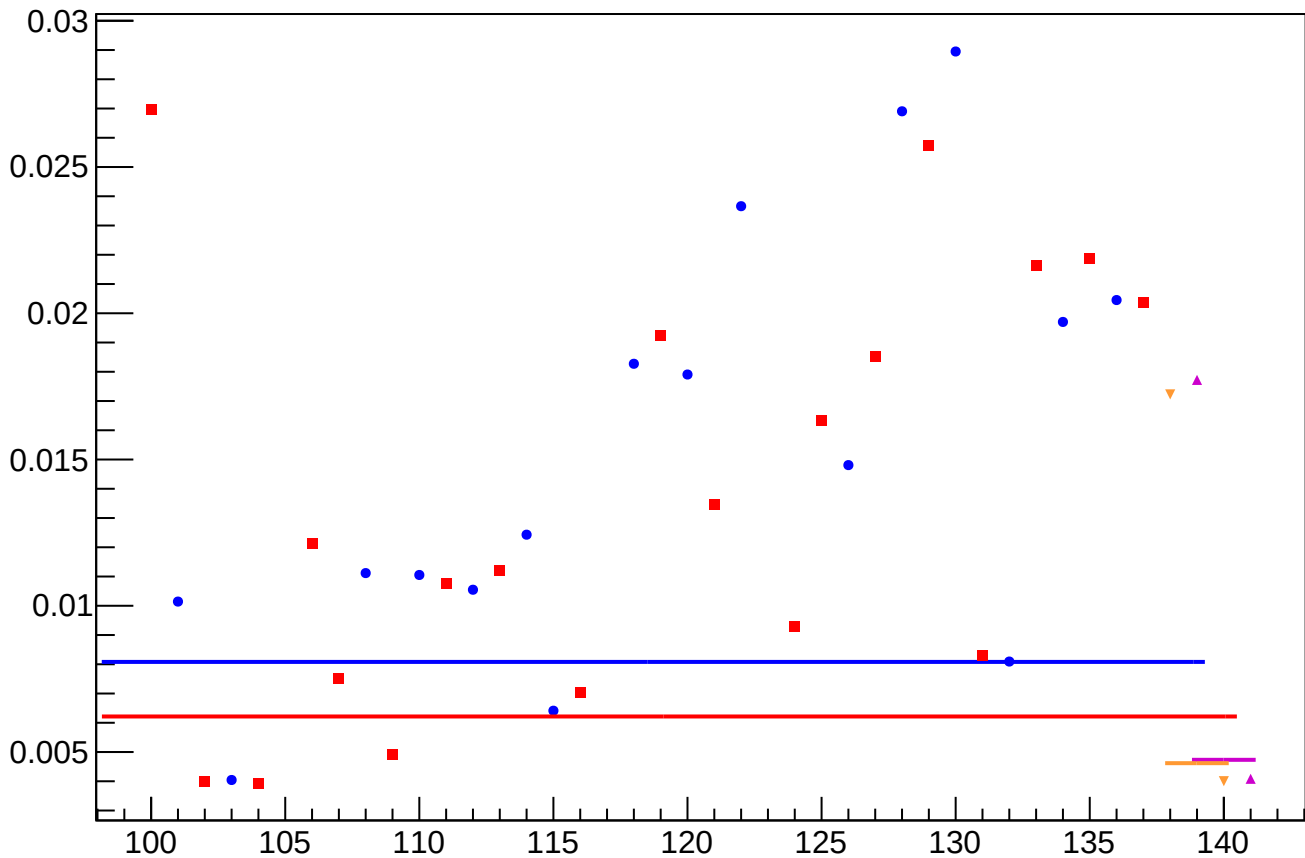
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/20

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

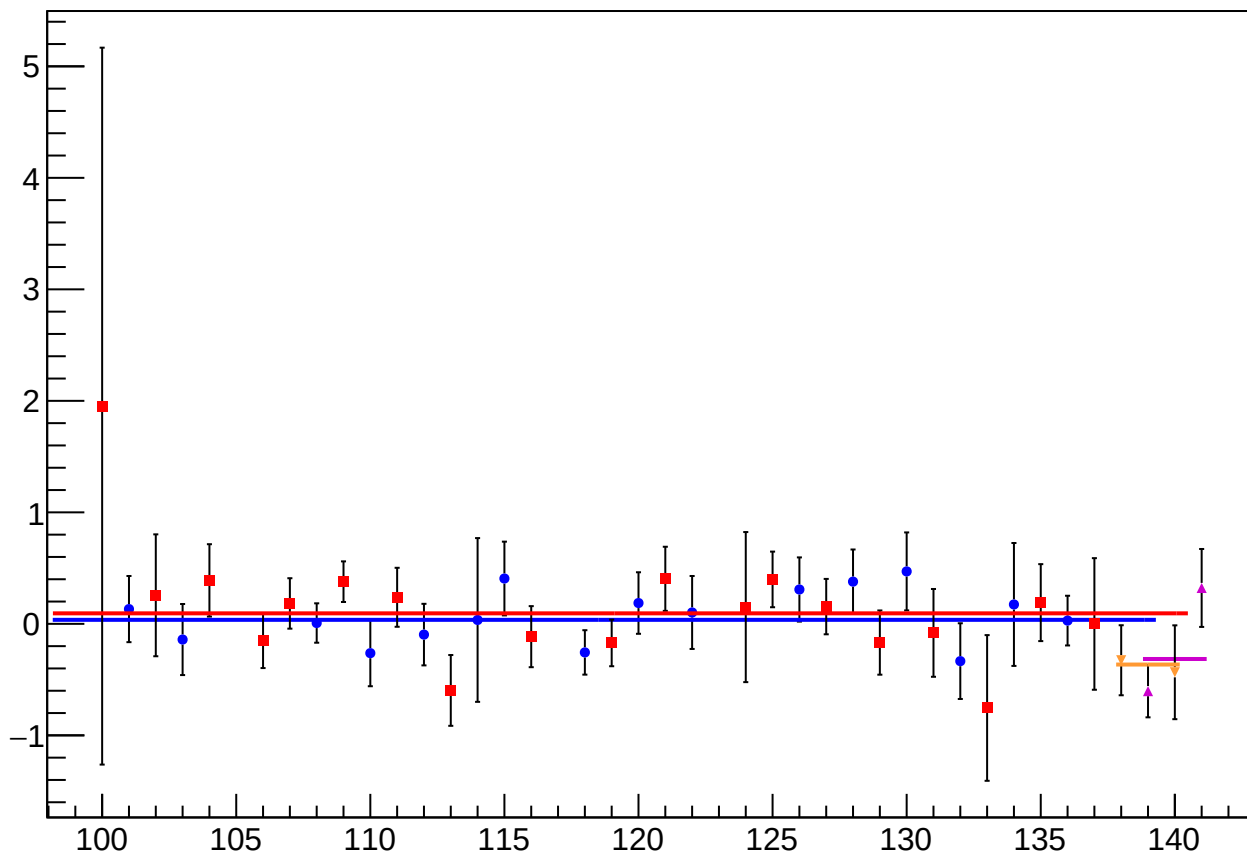
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:933943.9/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6017519.6/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 11783761.7/38

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 5664094.8/20

asym_atr_dd_eigen_dit_vs_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

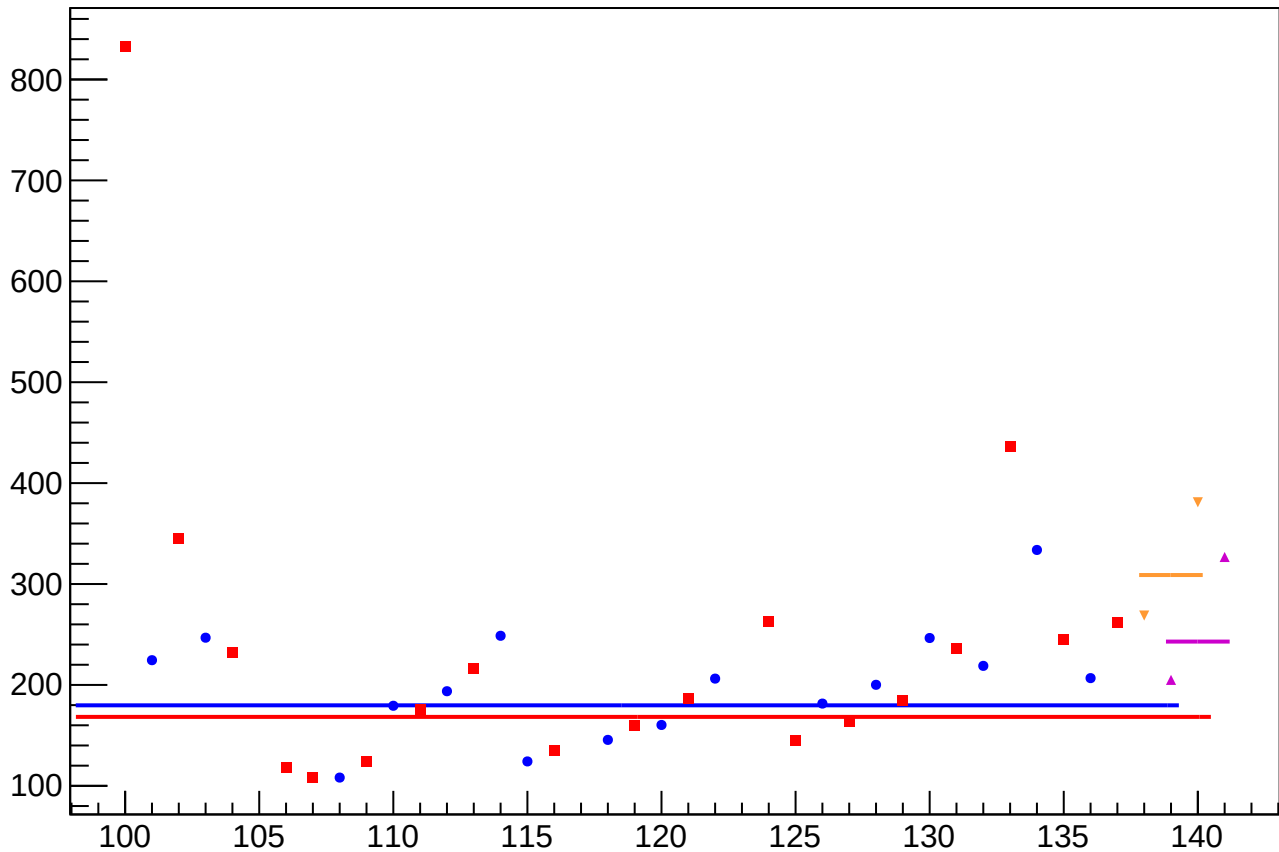
Left In: -0.315 $\pm$ 0.195 χ^2 /NDF: 4.8/1

+ sign 0.007 $\pm$ 0.068 χ^2 /NDF: 12.9/17

All: 0.030 $\pm$ 0.047 χ^2 /NDF: 39.5/38

- sign 0.050 $\pm$ 0.064 χ^2 /NDF: 26.4/20

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF : 918583.7/15

Left Out: 308.911+/-0.178 χ^2/NDF : 91380.1/1

Right Out: 168.334+/-0.048 χ^2/NDF : 1409289.2/18

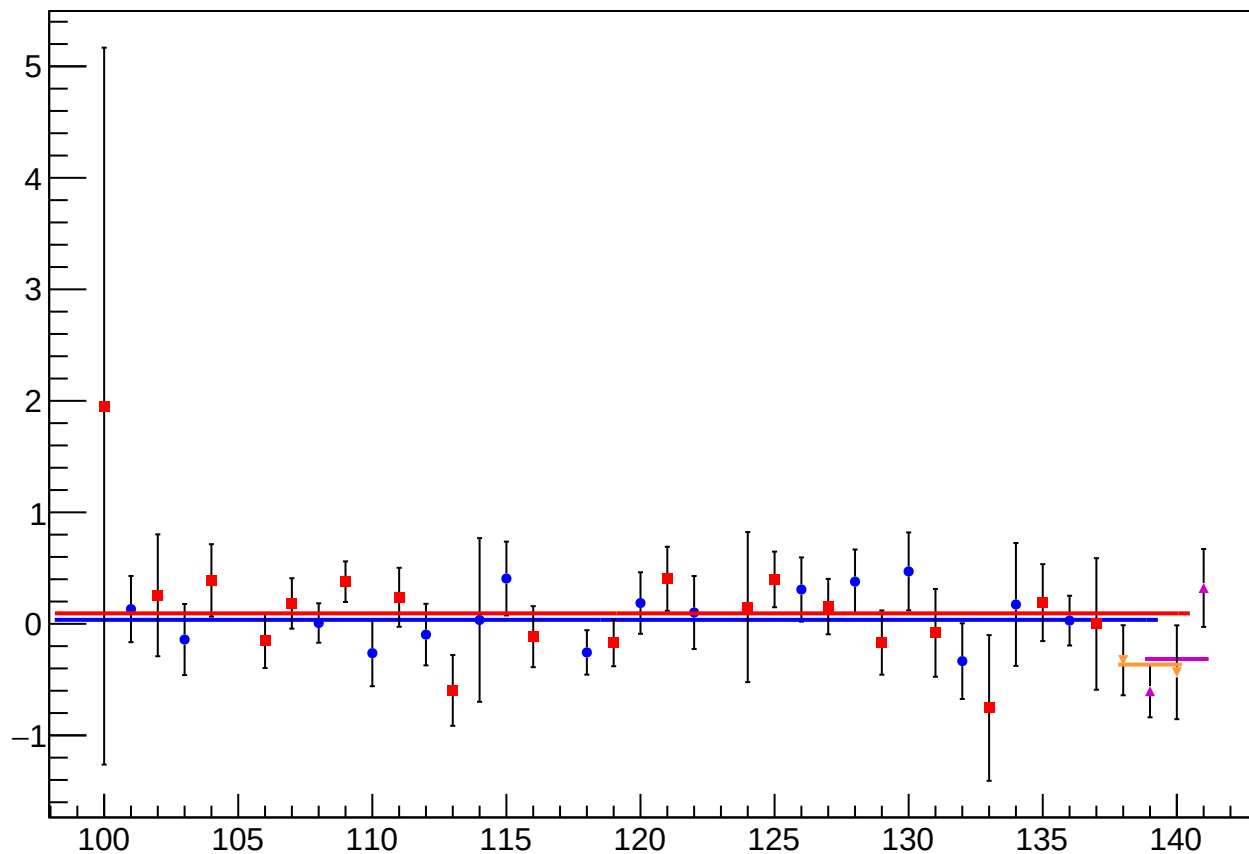
Left In: 242.959+/-0.138 χ^2/NDF : 167244.4/1

+ sign 189.208+/-0.048 χ^2/NDF : 1498043.1/17

All: 182.381+/-0.033 χ^2/NDF : 3373955.6/38

- sign 176.343+/-0.045 χ^2/NDF : 1837872.5/20

asym_atr_dd_eigen_dit_vs_eigen_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 $\chi^2/\text{NDF}: 17.6/18$

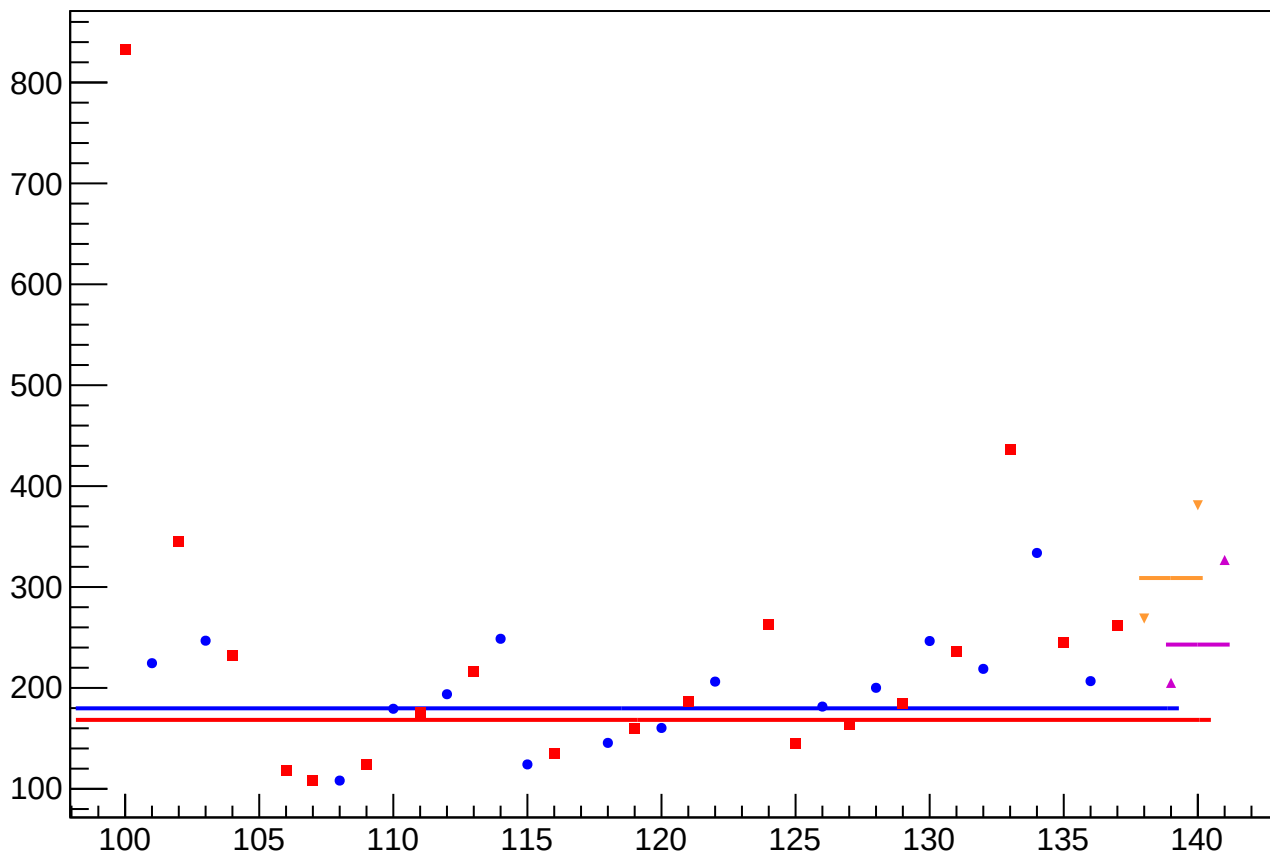
Left In: -0.315 ± 0.195 $\chi^2/\text{NDF}: 4.8/1$

+ sign 0.007 ± 0.068 $\chi^2/\text{NDF}: 12.9/17$

All: 0.030 ± 0.047 $\chi^2/\text{NDF}: 39.5/38$

- sign 0.050 ± 0.064 $\chi^2/\text{NDF}: 26.4/20$

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

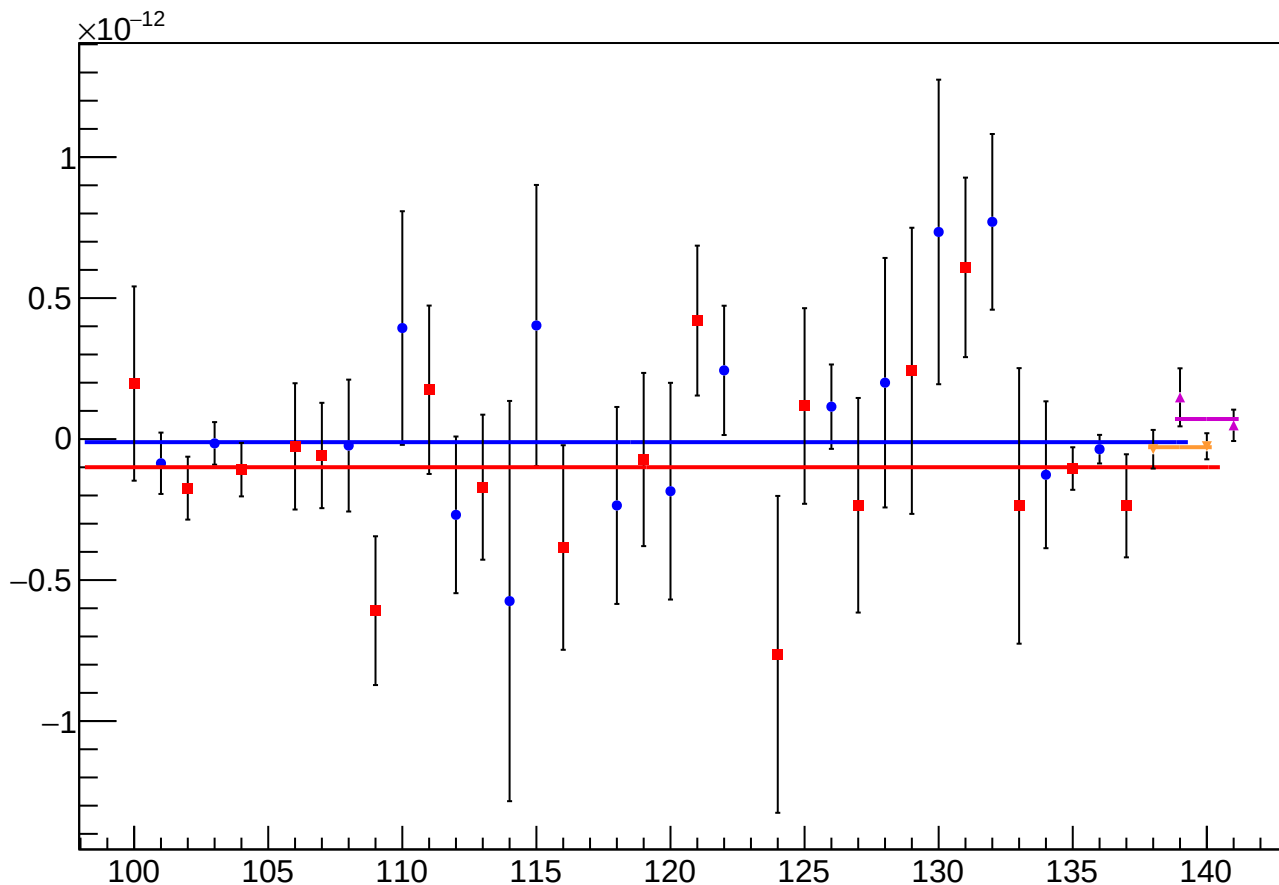
Left In: 242.959 $\pm$ 0.138 χ^2 /NDF: 167244.4/1

+ sign 189.208 $\pm$ 0.048 χ^2 /NDF: 1498043.1/17

All: 182.381 $\pm$ 0.033 χ^2 /NDF: 3373955.6/38

- sign 176.343 $\pm$ 0.045 χ^2 /NDF: 1837872.5/20

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

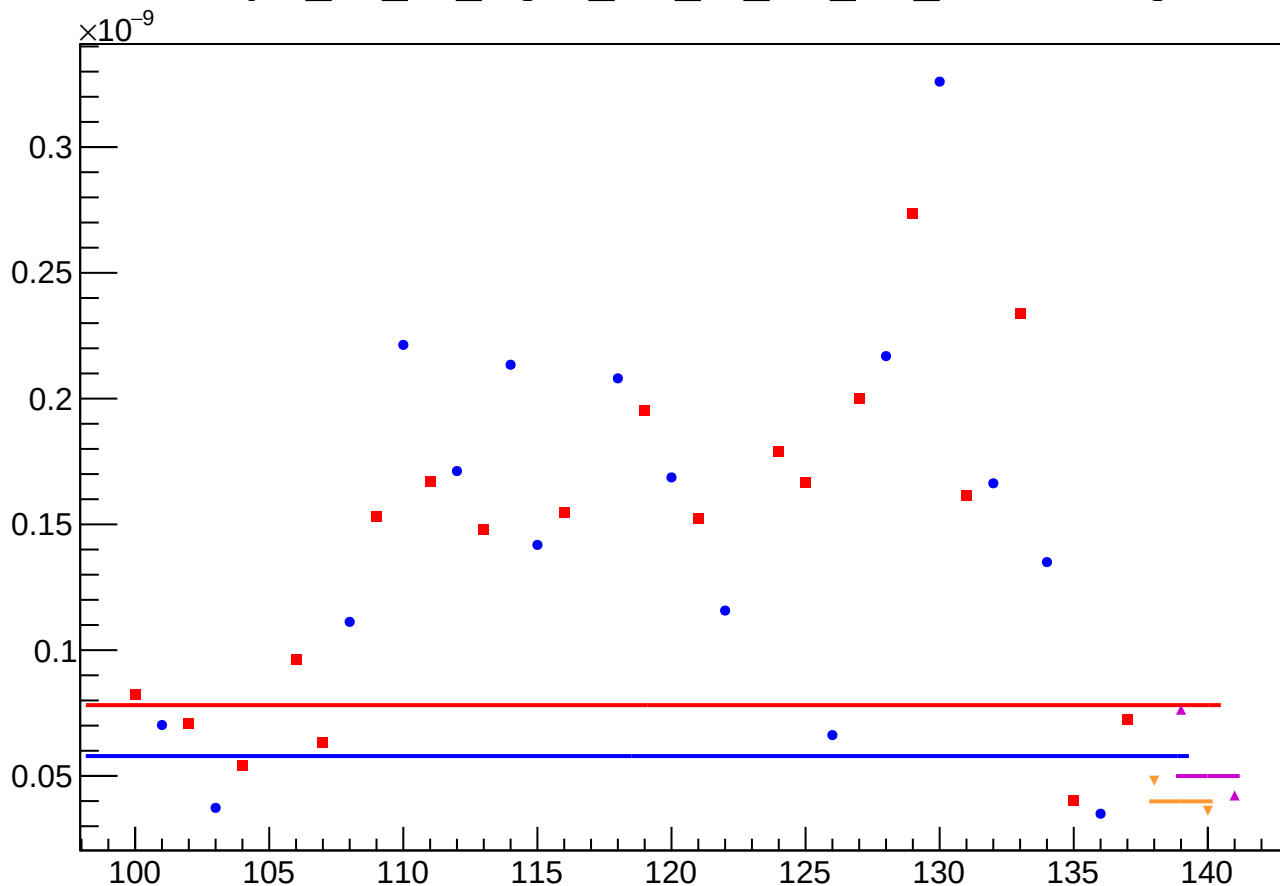
Left In: 0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign -0.000 ± 0.000 χ^2/NDF : 15.2/17

All: -0.000 ± 0.000 χ^2/NDF : 41.3/38

- sign -0.000 ± 0.000 χ^2/NDF : 26.1/20

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

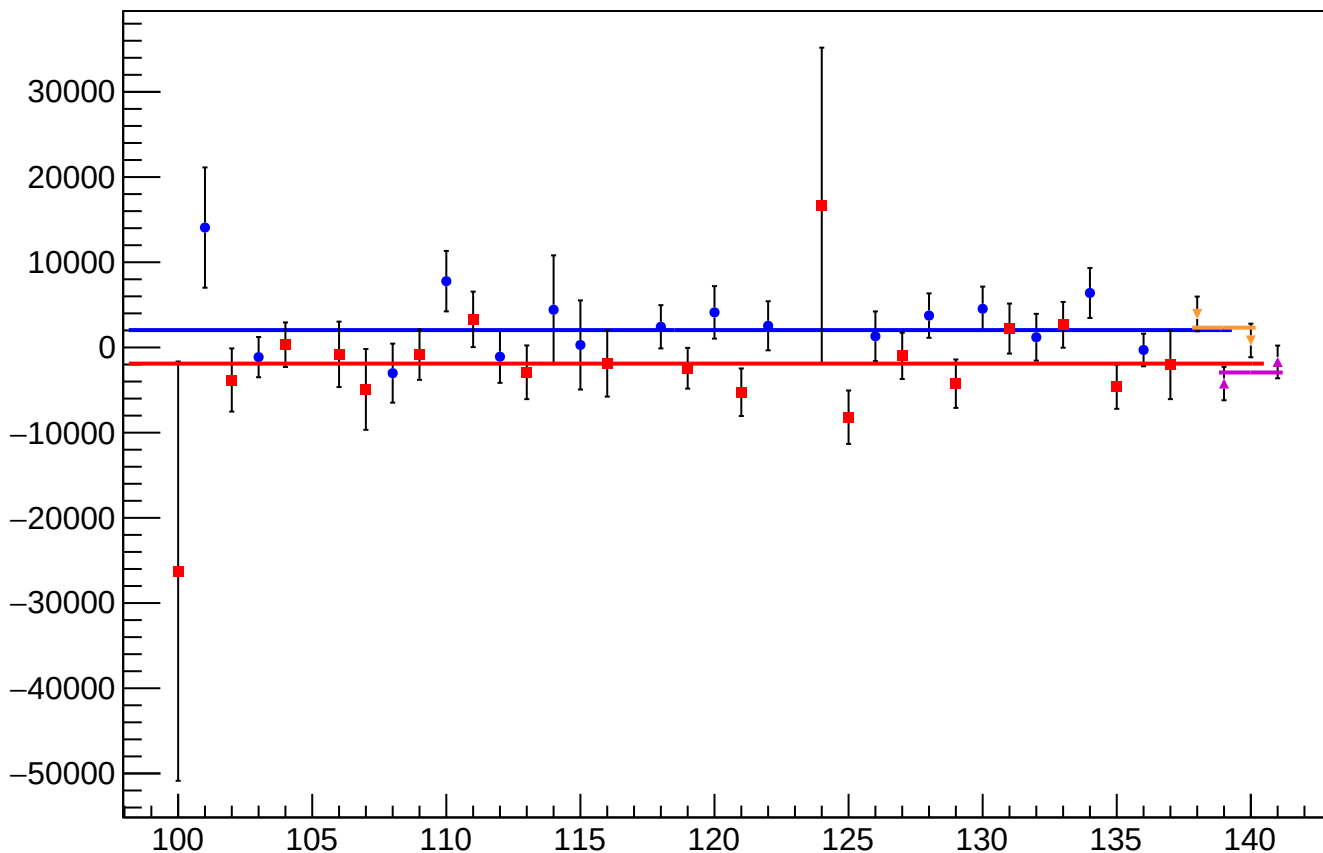
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 170056.2/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3603871.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7209854.6/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3283883.0/20

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF : 16.4/15

Left Out: 2323.357+/-1416.790 χ^2/NDF : 1.2/1

Right Out: -1895.242+/-736.762 χ^2/NDF : 18.5/18

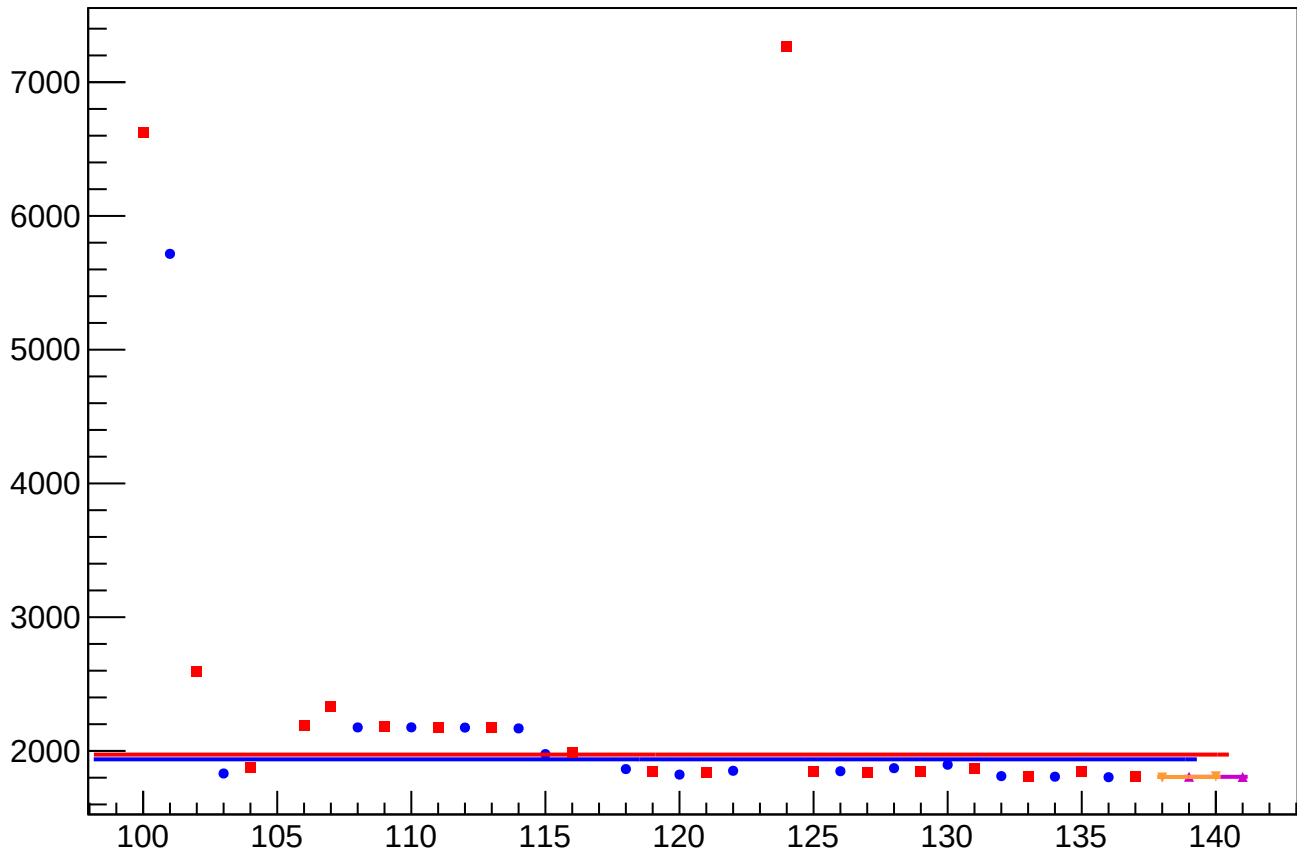
Left In: -2935.847+/-1372.779 χ^2/NDF : 0.9/1

+ sign 2099.624+/-653.277 χ^2/NDF : 17.7/17

All: -27.474+/-460.480 χ^2/NDF : 58.6/38

- sign -2127.949+/-649.176 χ^2/NDF : 19.8/20

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF : 20.3/1

Right Out: 1972.760+/-0.521 χ^2/NDF : 377537.1/18

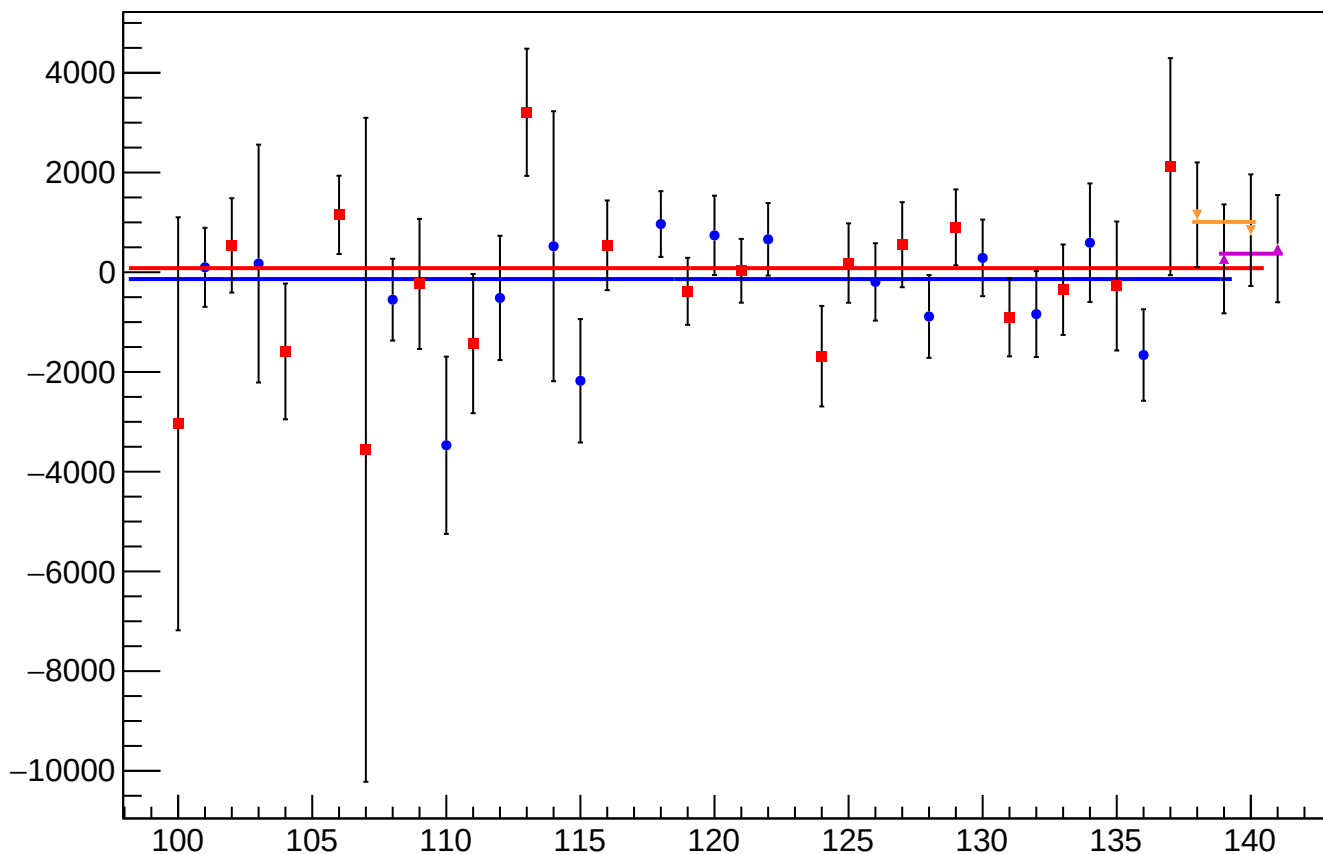
Left In: 1806.414+/-0.971 χ^2/NDF : 0.7/1

+ sign 1909.197+/-0.462 χ^2/NDF : 651772.1/17

All: 1922.462+/-0.326 χ^2/NDF : 1053748.1/38

- sign 1935.561+/-0.459 χ^2/NDF : 400337.1/20

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

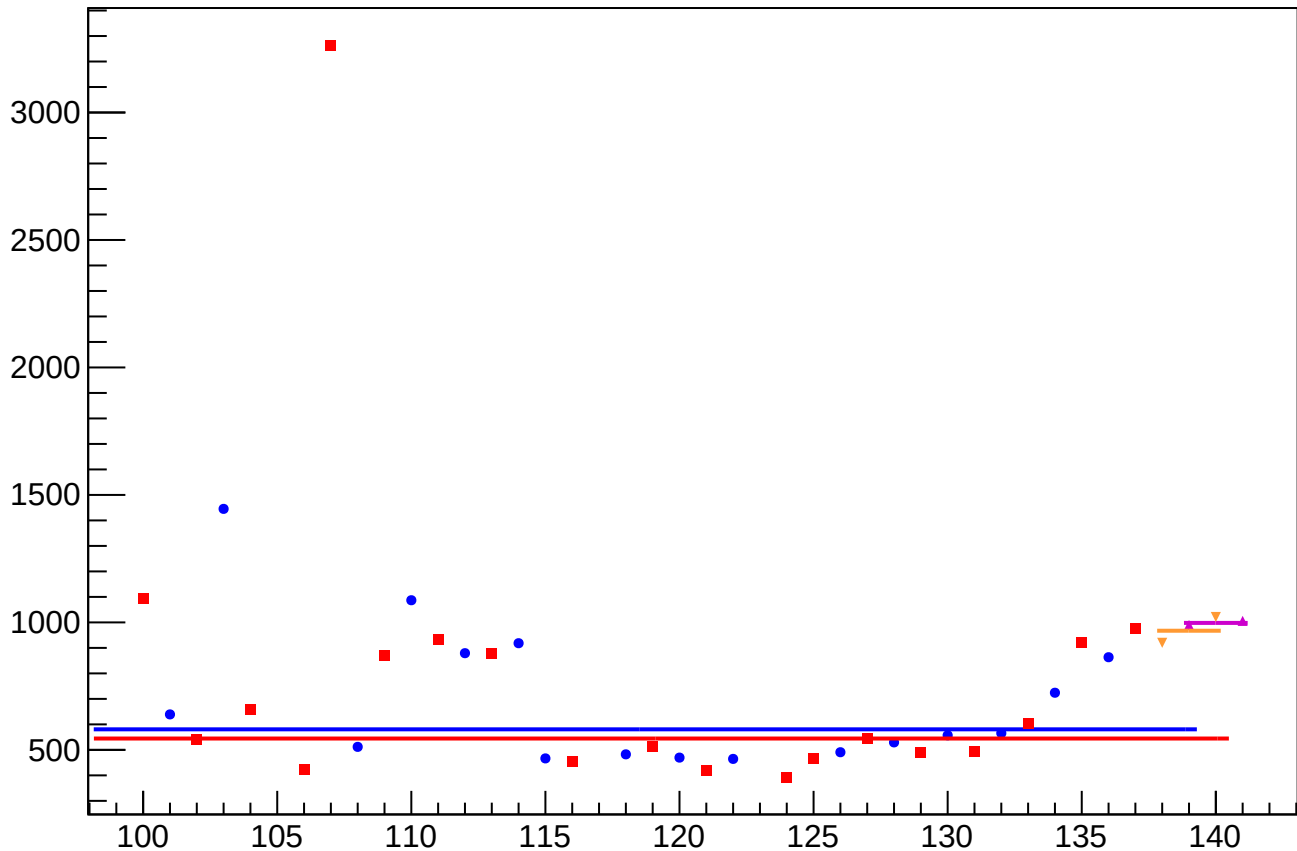
Left In: 372.310 ± 766.313 χ^2/NDF : 0.0/1

+ sign -41.436 ± 220.647 χ^2/NDF : 19.0/17

All: 34.151 ± 153.338 χ^2/NDF : 39.1/38

- sign 104.754 ± 213.249 χ^2/NDF : 19.9/20

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF : 1003410.8/15

Left Out: 967.342+/-0.541 χ^2/NDF : 8714.1/1

Right Out: 544.530+/-0.157 χ^2/NDF : 1287643.0/18

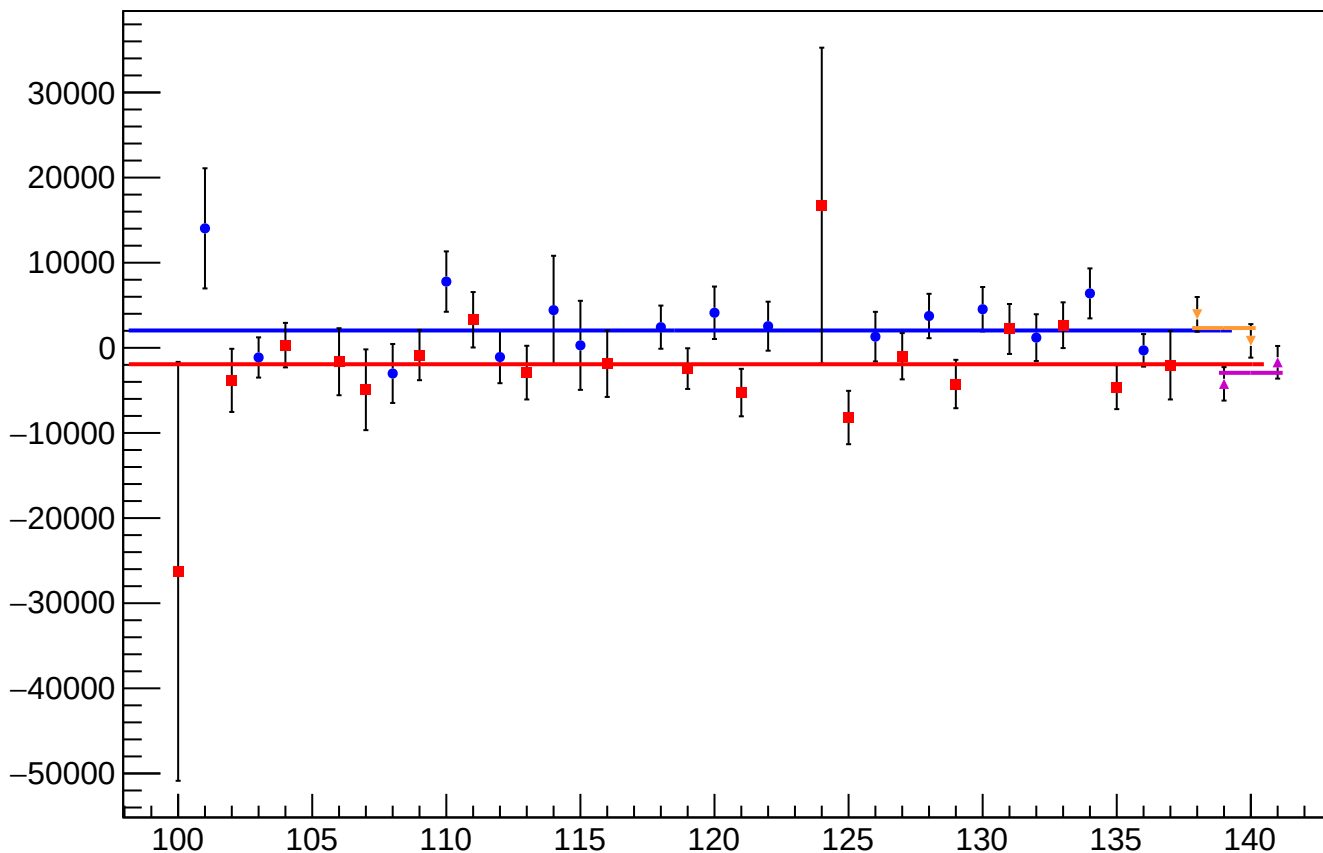
Left In: 998.003+/-0.542 χ^2/NDF : 225.2/1

+ sign 612.755+/-0.156 χ^2/NDF : 1480355.2/17

All: 595.637+/-0.108 χ^2/NDF : 3437628.1/38

- sign 579.647+/-0.151 χ^2/NDF : 1933990.6/20

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

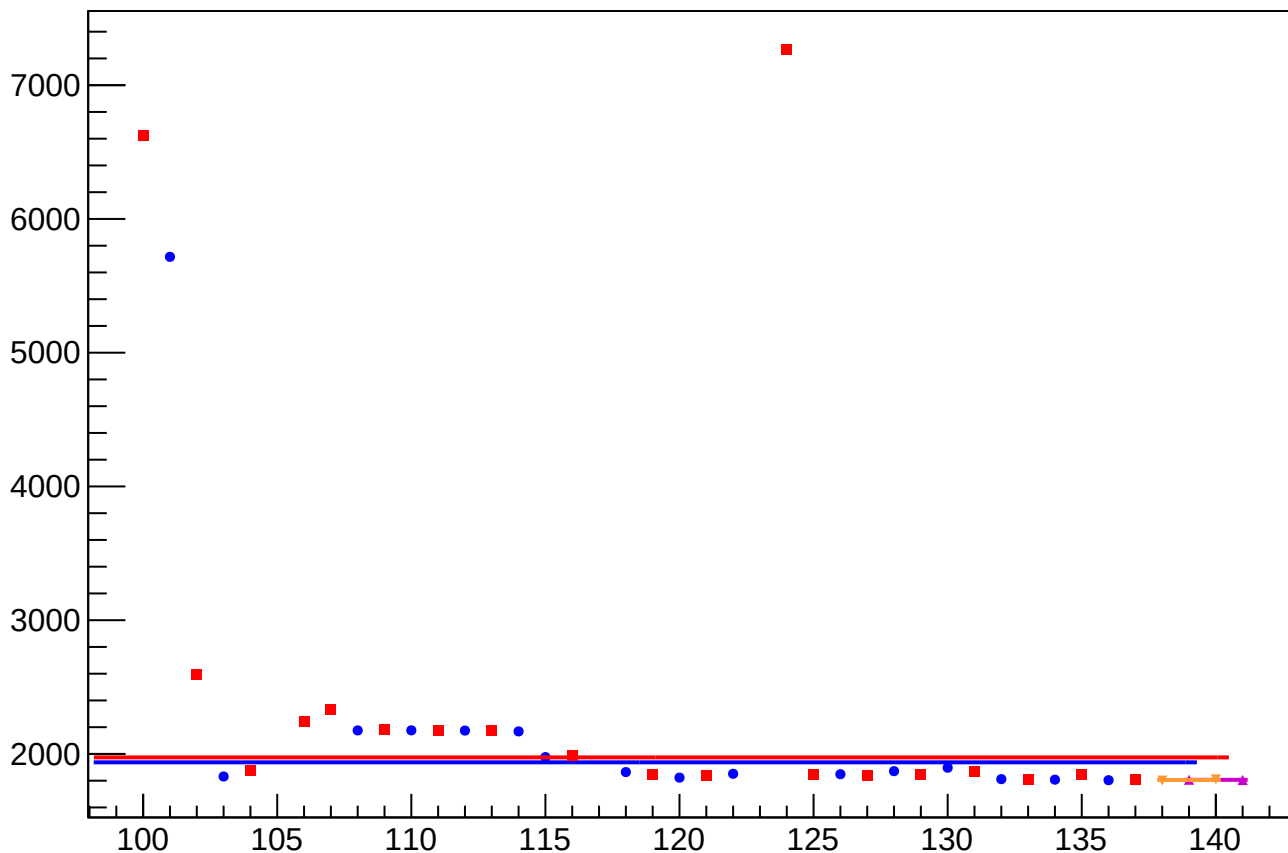
Left In: -2936.337 $\pm$ 1372.779 χ^2 /NDF:0.9/1

+ sign 2099.337 $\pm$ 653.277 χ^2 /NDF: 17.7/17

All: -38.493 $\pm$ 460.638 χ^2 /NDF: 58.7/38

- sign -2152.452 $\pm$ 649.620 χ^2 /NDF: 19.7/20

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF : 20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

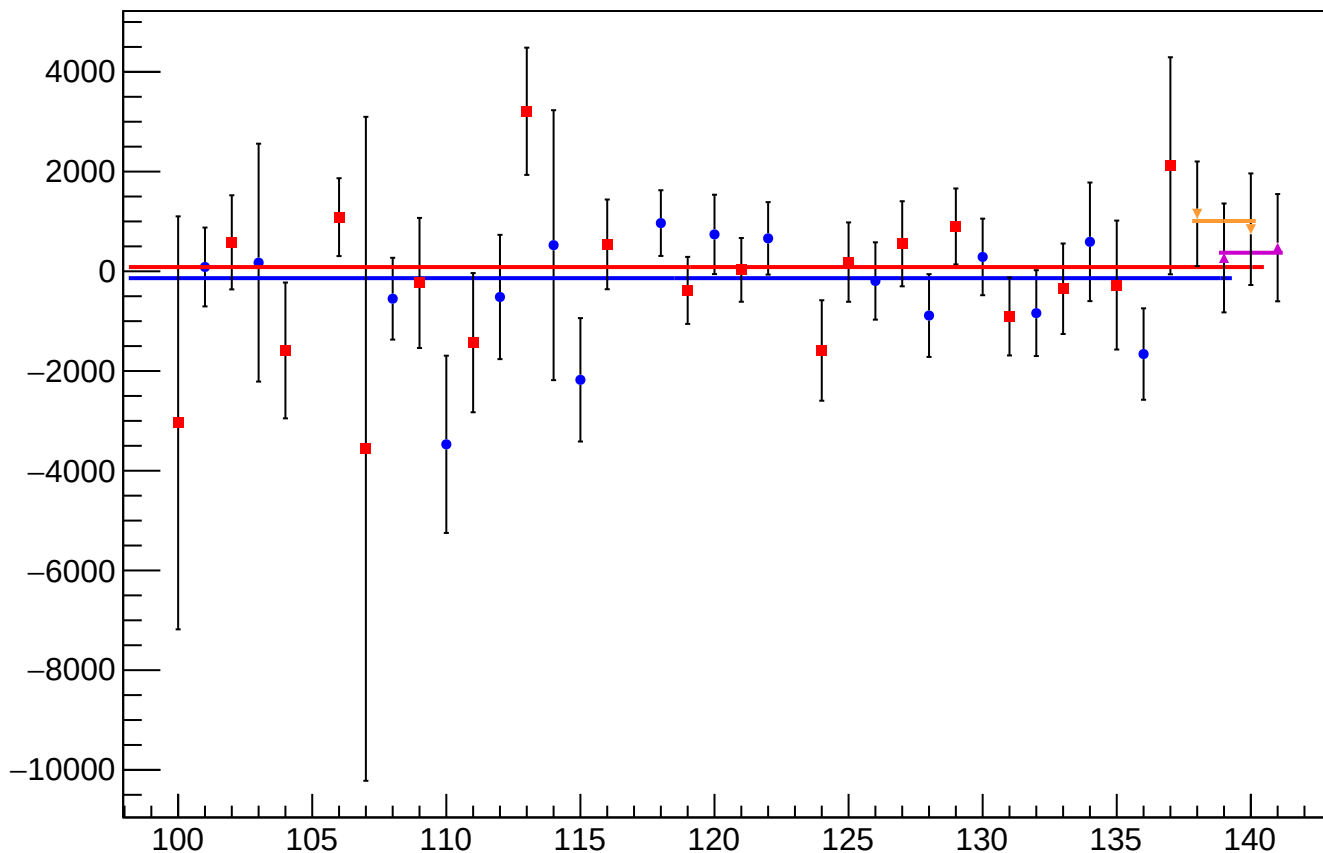
Left In: 1806.415+/-0.971 χ^2/NDF : 0.7/1

+ sign 1909.197+/-0.462 χ^2/NDF : 651772.1/17

All: 1922.972+/-0.326 χ^2/NDF : 1057146.0/38

- sign 1936.592+/-0.459 χ^2/NDF : 403605.4/20

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

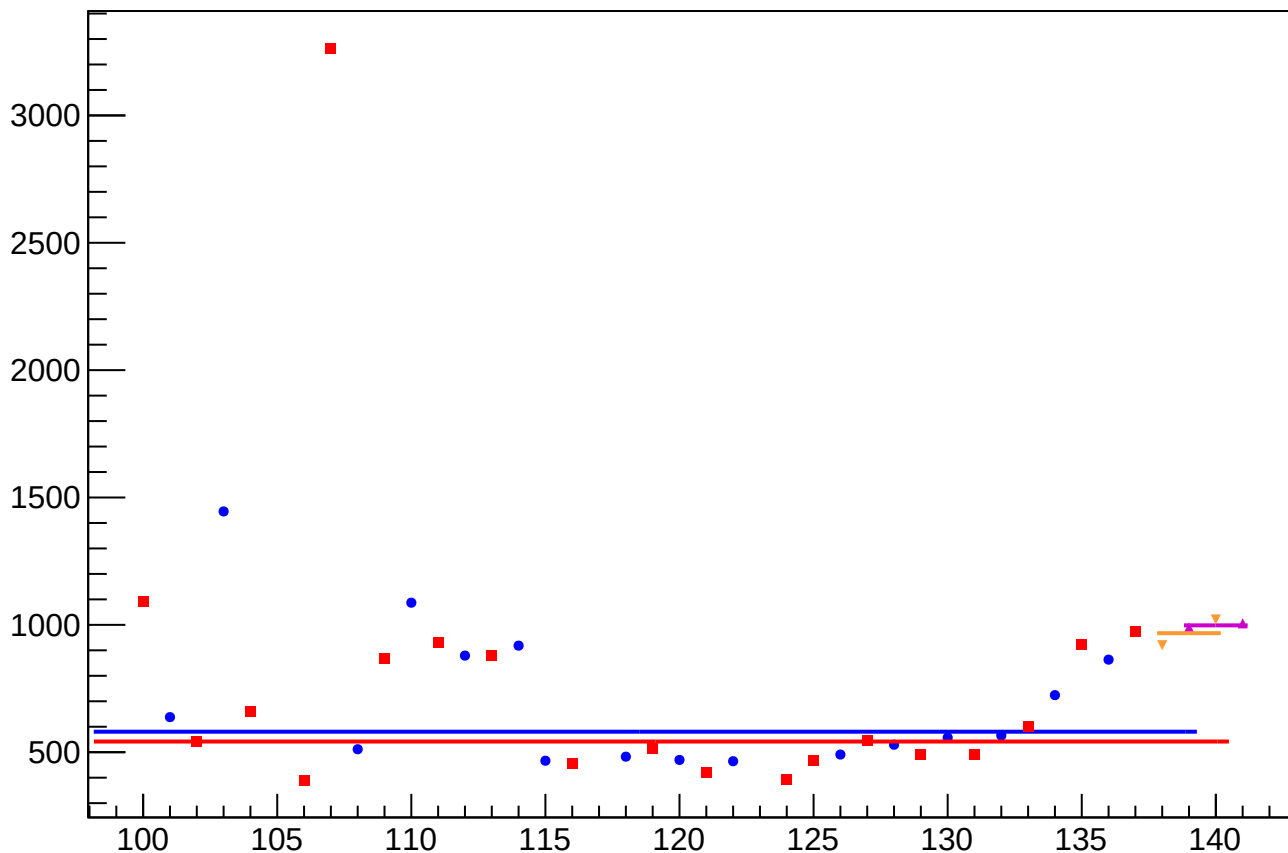
Left In: 372.359 ± 766.319 χ^2/NDF : 0.0/1

+ sign -42.247 ± 220.604 χ^2/NDF : 19.0/17

All: 35.041 ± 153.279 χ^2/NDF : 38.6/38

- sign 107.178 ± 213.127 χ^2/NDF : 19.4/20

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519 $\pm$ 0.163 χ^2/NDF : 1002900.5/15

Left Out: 967.339 $\pm$ 0.541 χ^2/NDF : 8712.0/1

Right Out: 541.939 $\pm$ 0.157 χ^2/NDF : 1318850.5/18

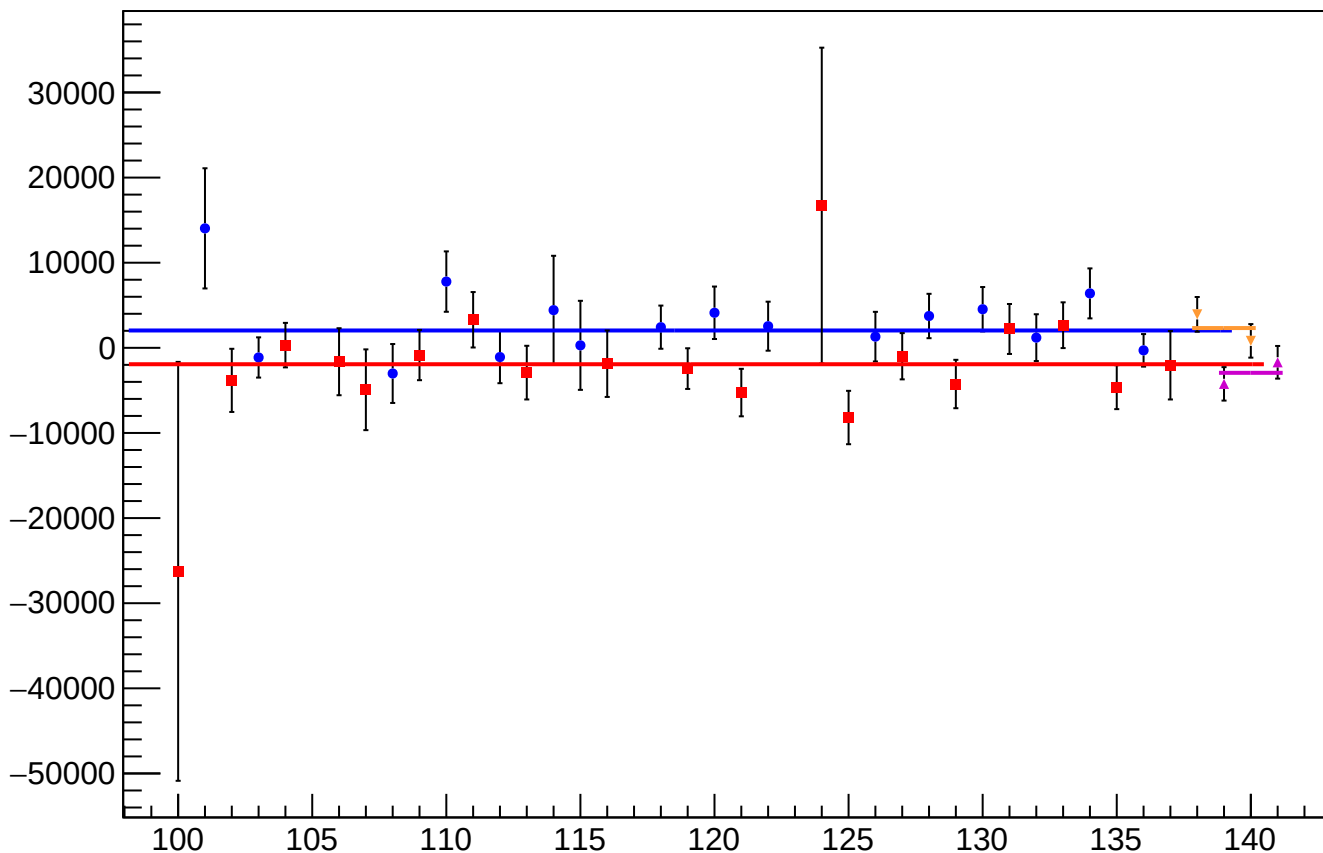
Left In: 998.009 $\pm$ 0.542 χ^2/NDF : 224.7/1

+ sign 612.658 $\pm$ 0.156 χ^2/NDF : 1480075.6/17

All: 594.326 $\pm$ 0.108 χ^2/NDF : 3479452.2/38

- sign 577.216 $\pm$ 0.151 χ^2/NDF : 1972675.1/20

eigen_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

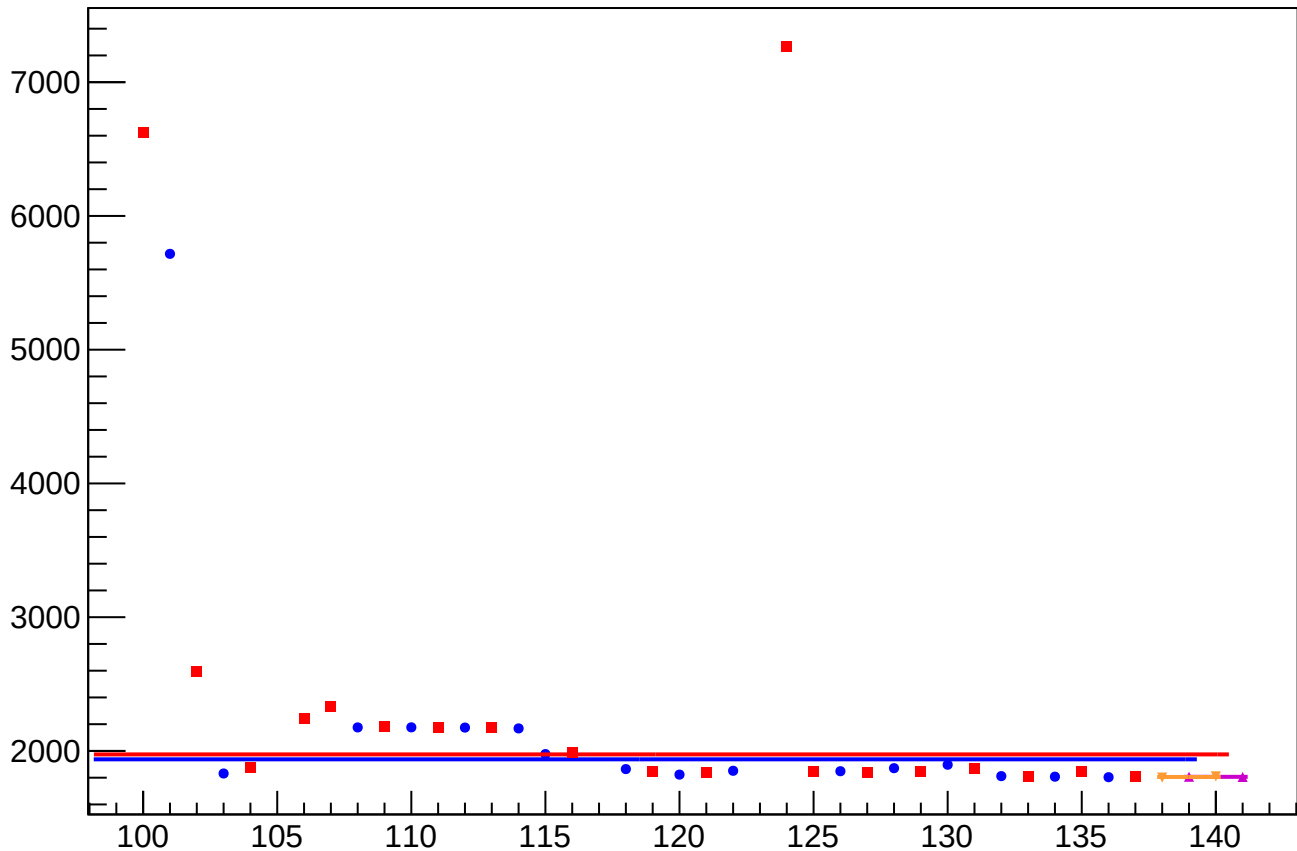
Left In: -2936.337 $\pm$ 1372.779 χ^2 /NDF:0.9/1

+ sign 2099.337 $\pm$ 653.277 χ^2 /NDF: 17.7/17

All: -38.493 $\pm$ 460.638 χ^2 /NDF: 58.7/38

- sign -2152.452 $\pm$ 649.620 χ^2 /NDF: 19.7/20

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF :20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

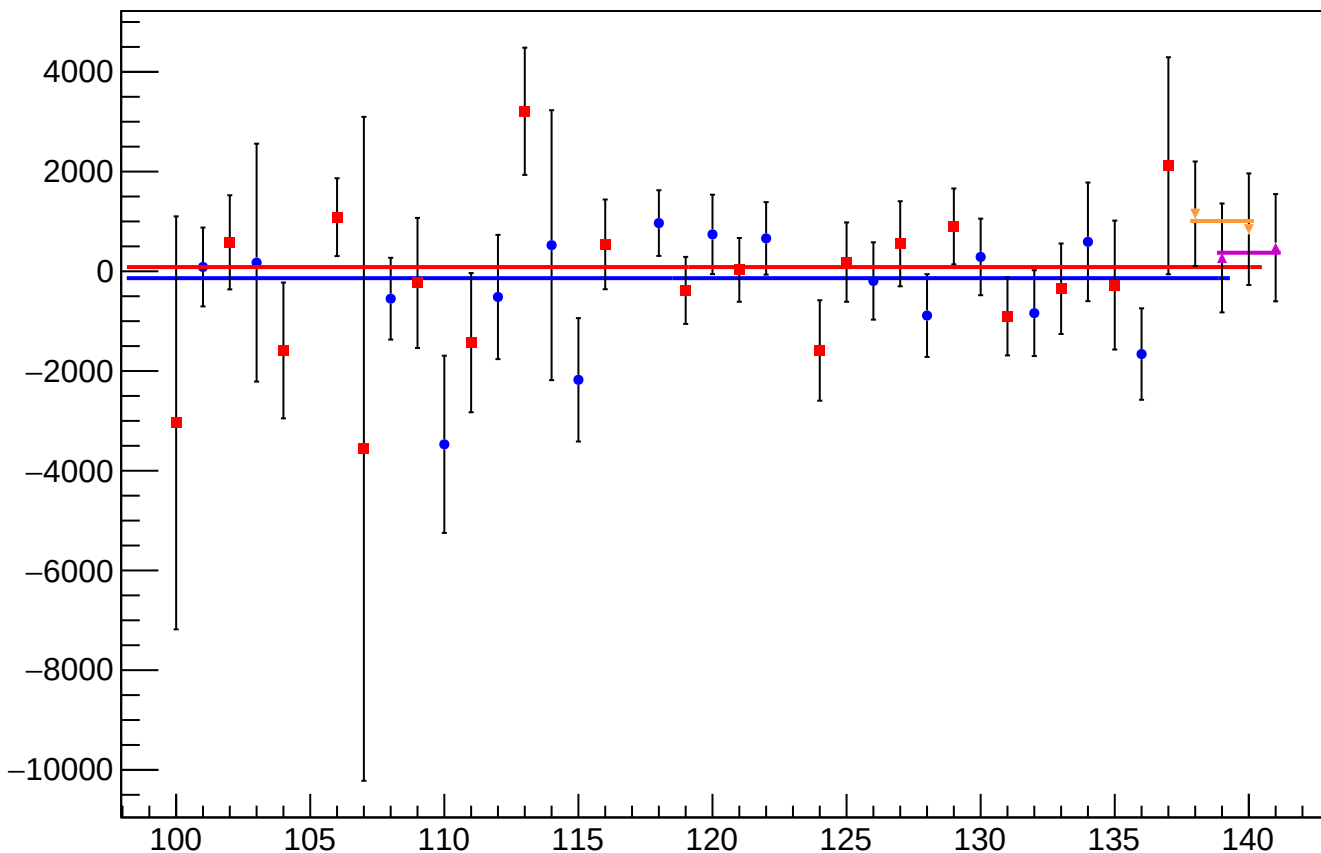
Left In: 1806.415+/-0.971 χ^2/NDF :0.7/1

+ sign 1909.197+/-0.462 χ^2/NDF : 651772.1/17

All: 1922.972+/-0.326 χ^2/NDF : 1057146.0/38

- sign 1936.592+/-0.459 χ^2/NDF : 403605.4/20

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

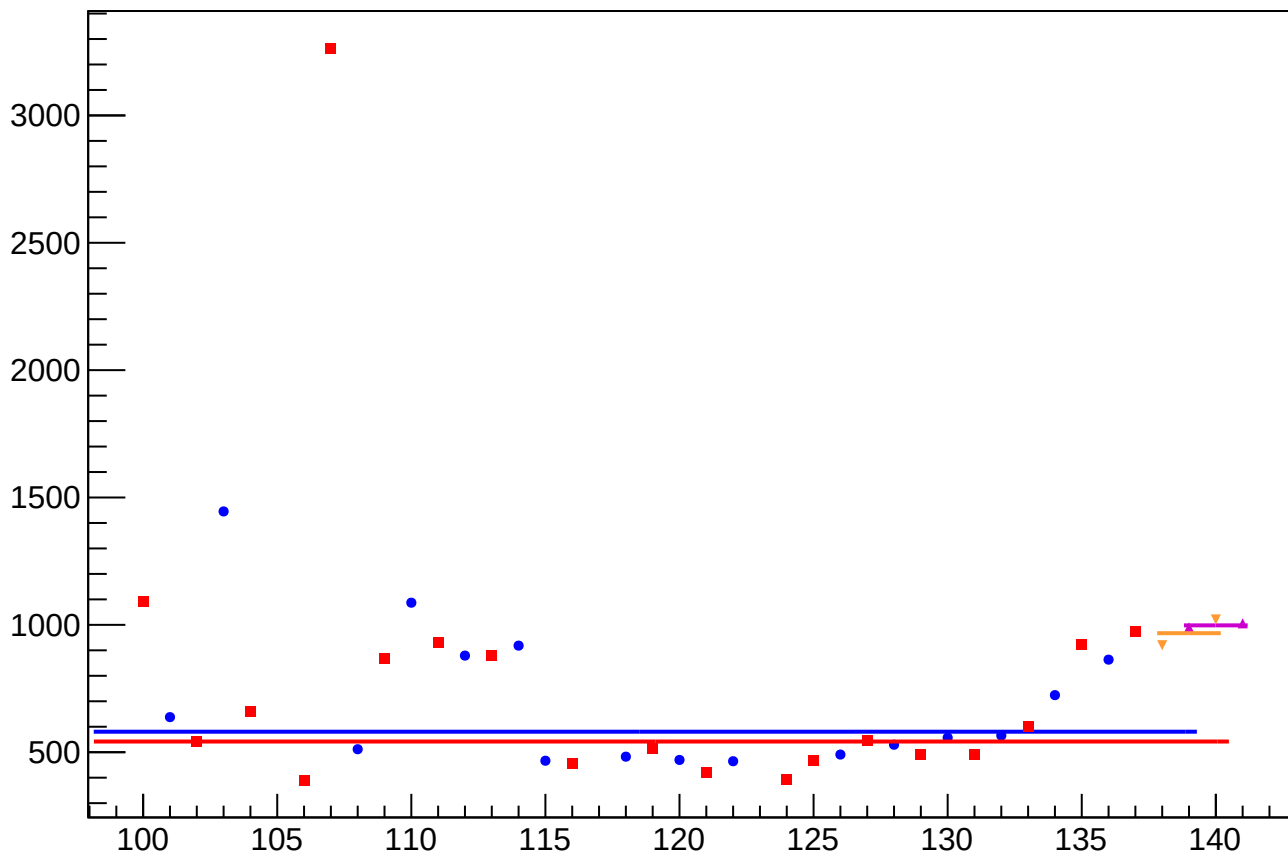
Left In: 372.359 ± 766.319 χ^2/NDF : 0.0/1

+ sign -42.247 ± 220.604 χ^2/NDF : 19.0/17

All: 35.041 ± 153.279 χ^2/NDF : 38.6/38

- sign 107.178 ± 213.127 χ^2/NDF : 19.4/20

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF : 1002900.5/15

Left Out: 967.339+/-0.541 χ^2/NDF : 8712.0/1

Right Out: 541.939+/-0.157 χ^2/NDF : 1318850.5/18

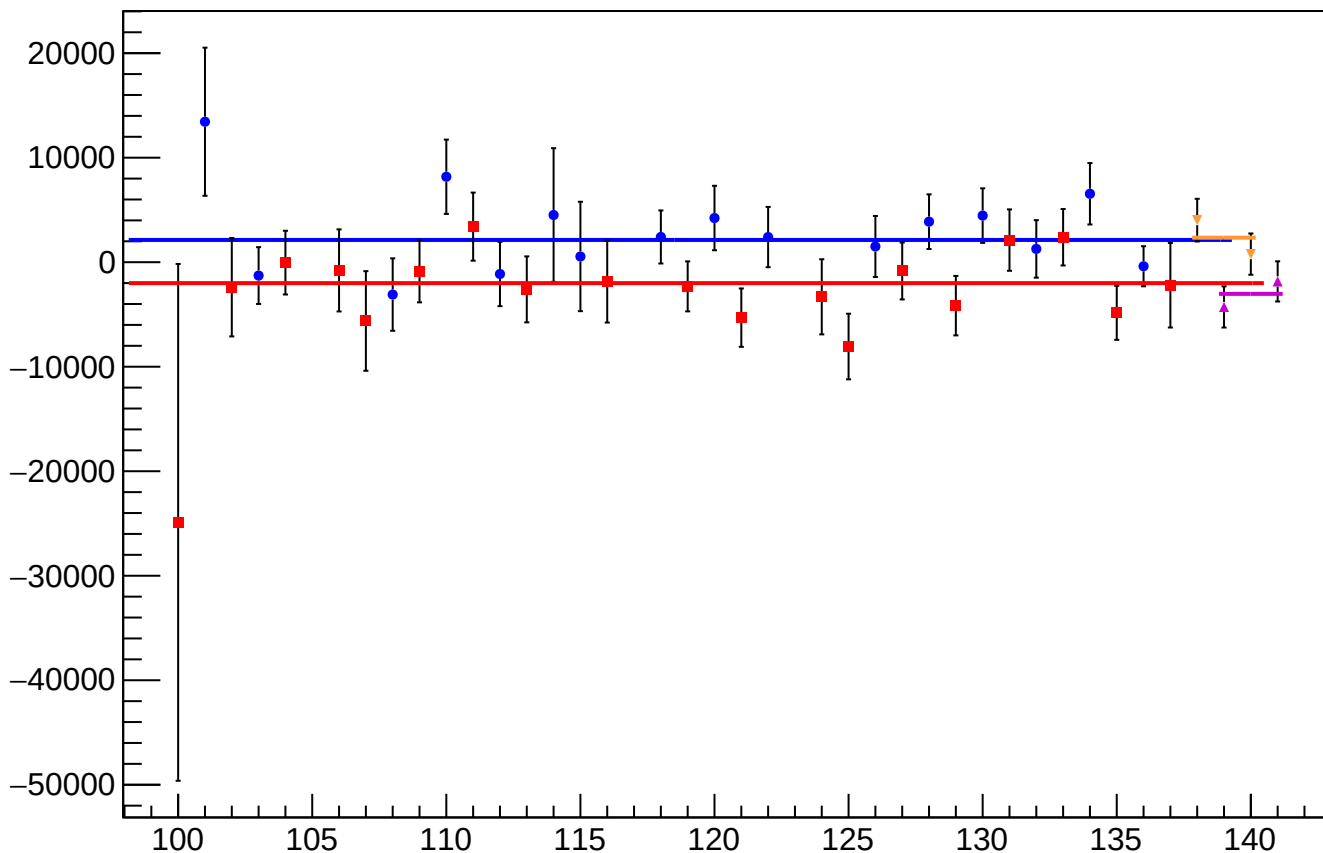
Left In: 998.009+/-0.542 χ^2/NDF : 224.7/1

+ sign 612.658+/-0.156 χ^2/NDF : 1480075.6/17

All: 594.326+/-0.108 χ^2/NDF : 3479452.2/38

- sign 577.216+/-0.151 χ^2/NDF : 1972675.1/20

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

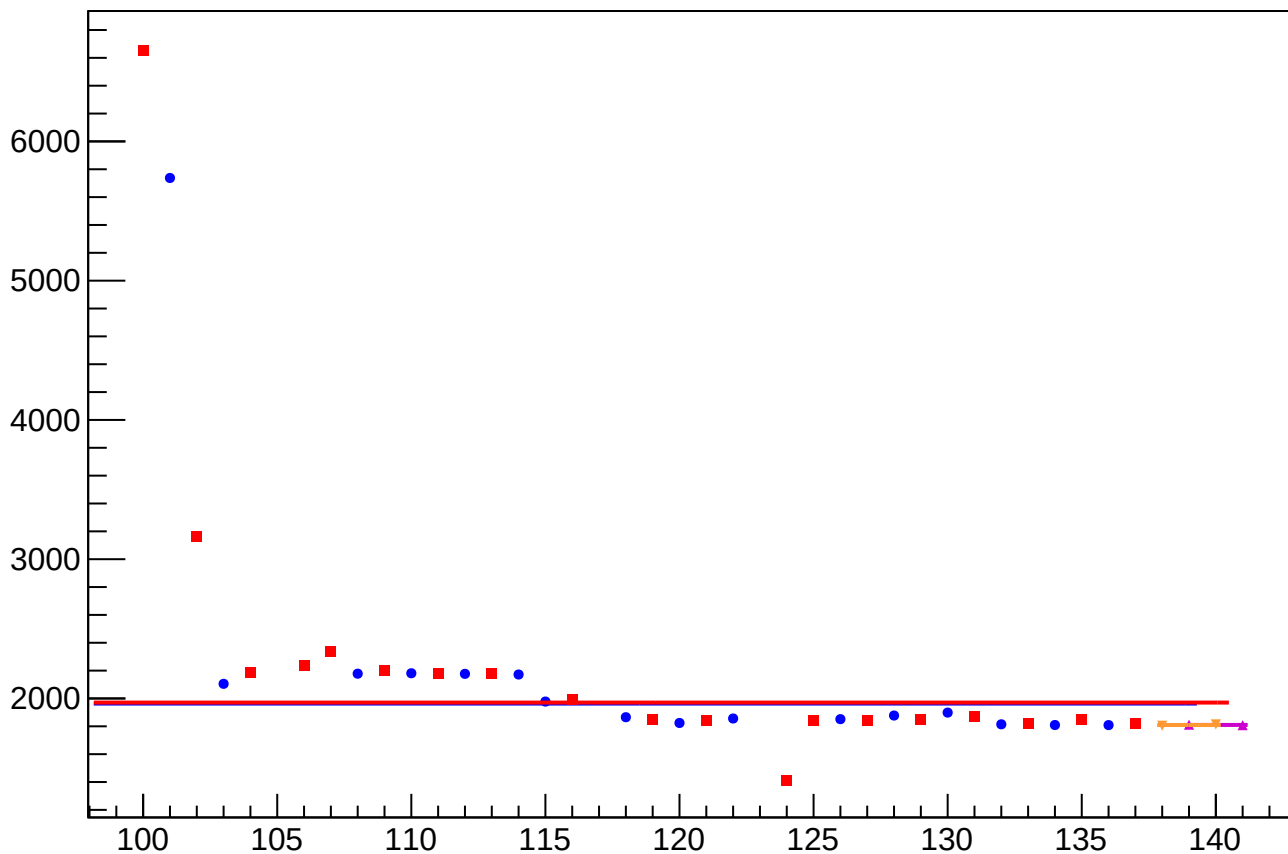
Left In: -3030.413 $\pm$ 1375.592 χ^2 /NDF:0.8/1

+ sign 2175.567 $\pm$ 660.572 χ^2 /NDF: 17.8/17

All: -64.363 $\pm$ 463.228 χ^2 /NDF: 58.4/38

- sign -2231.631 $\pm$ 649.769 χ^2 /NDF: 18.0/20

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF : 640254.1/15

Left Out: 1809.275+/-1.004 χ^2/NDF : 23.0/1

Right Out: 1970.459+/-0.521 χ^2/NDF : 345133.0/18

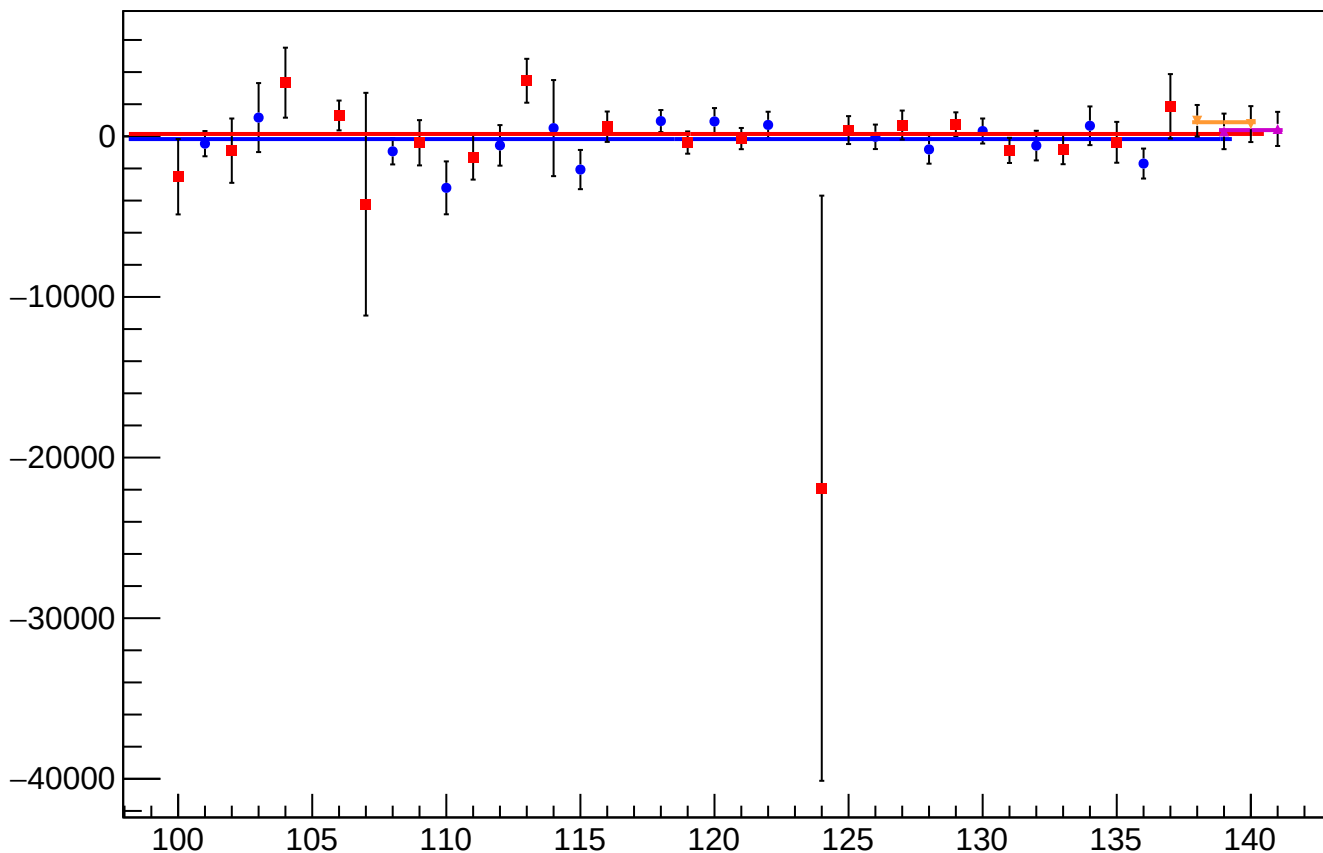
Left In: 1809.974+/-0.973 χ^2/NDF : 3.5/1

+ sign 1930.055+/-0.467 χ^2/NDF : 658744.5/17

All: 1932.391+/-0.328 χ^2/NDF : 1025078.5/38

- sign 1934.652+/-0.459 χ^2/NDF : 366284.8/20

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774 ± 236.912 χ^2/NDF : 17.2/15

Left Out: 879.055 ± 738.453 χ^2/NDF : 0.0/1

Right Out: 147.489 ± 242.848 χ^2/NDF : 20.1/18

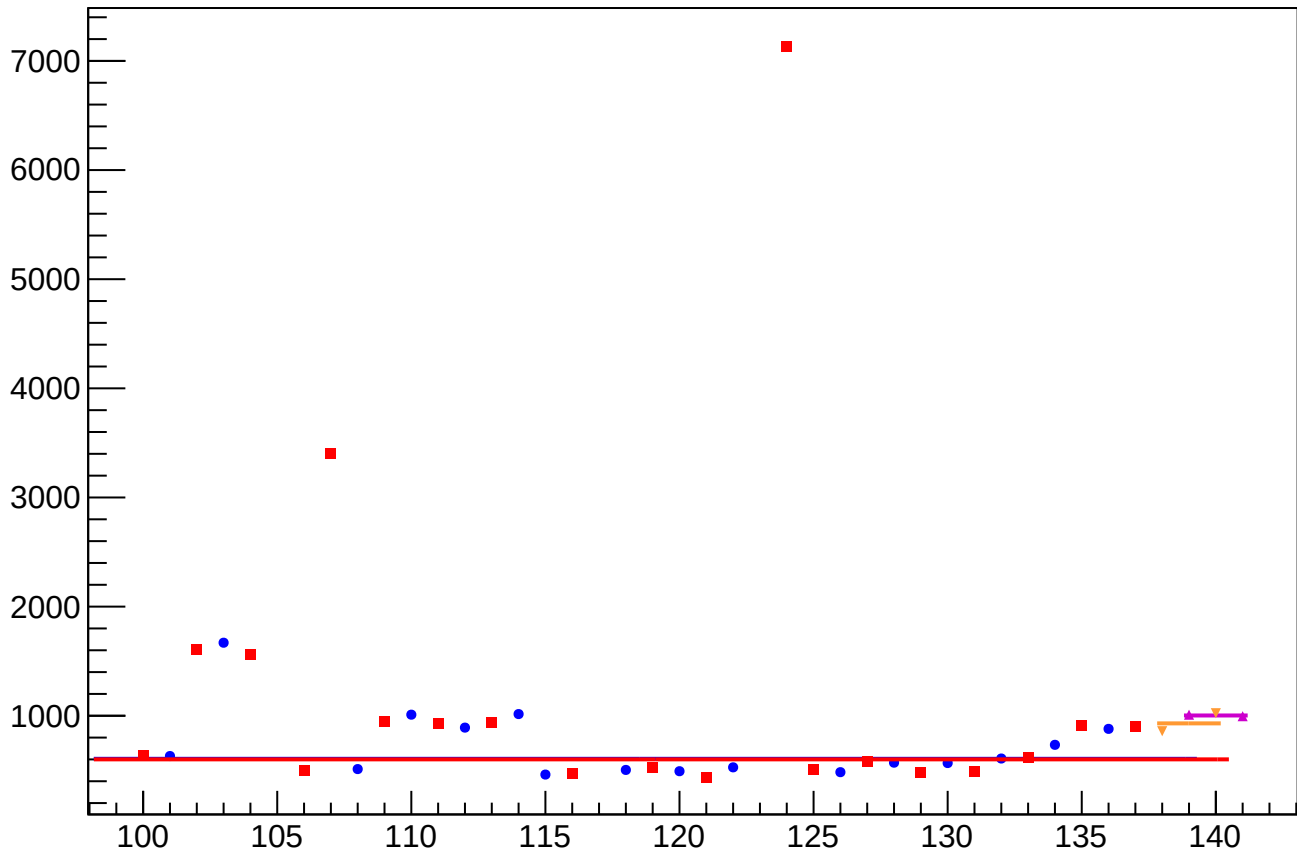
Left In: 388.220 ± 766.579 χ^2/NDF : 0.0/1

+ sign -72.802 ± 225.587 χ^2/NDF : 19.1/17

All: 45.184 ± 161.567 χ^2/NDF : 39.8/38

- sign 169.445 ± 231.508 χ^2/NDF : 20.2/20

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF : 1162454.5/15

Left Out: 930.171+/-0.522 χ^2/NDF :24466.5/1

Right Out: 600.447+/-0.172 χ^2/NDF : 2328523.8/18

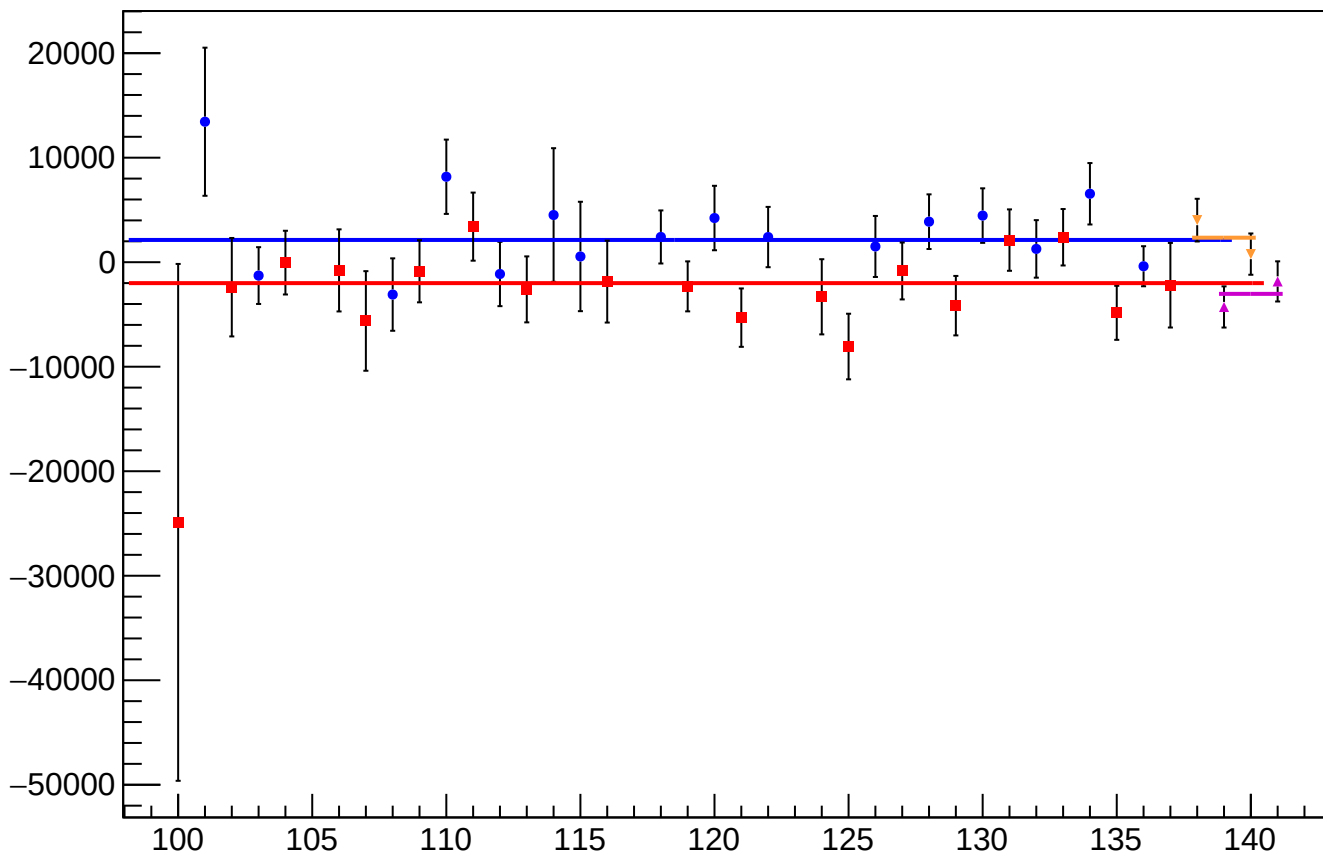
Left In: 1002.556+/-0.542 χ^2/NDF :160.9/1

+ sign 635.735+/-0.160 χ^2/NDF : 1537602.9/17

All: 636.410+/-0.114 χ^2/NDF : 4366439.9/38

- sign 637.121+/-0.164 χ^2/NDF : 2828800.2/20

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

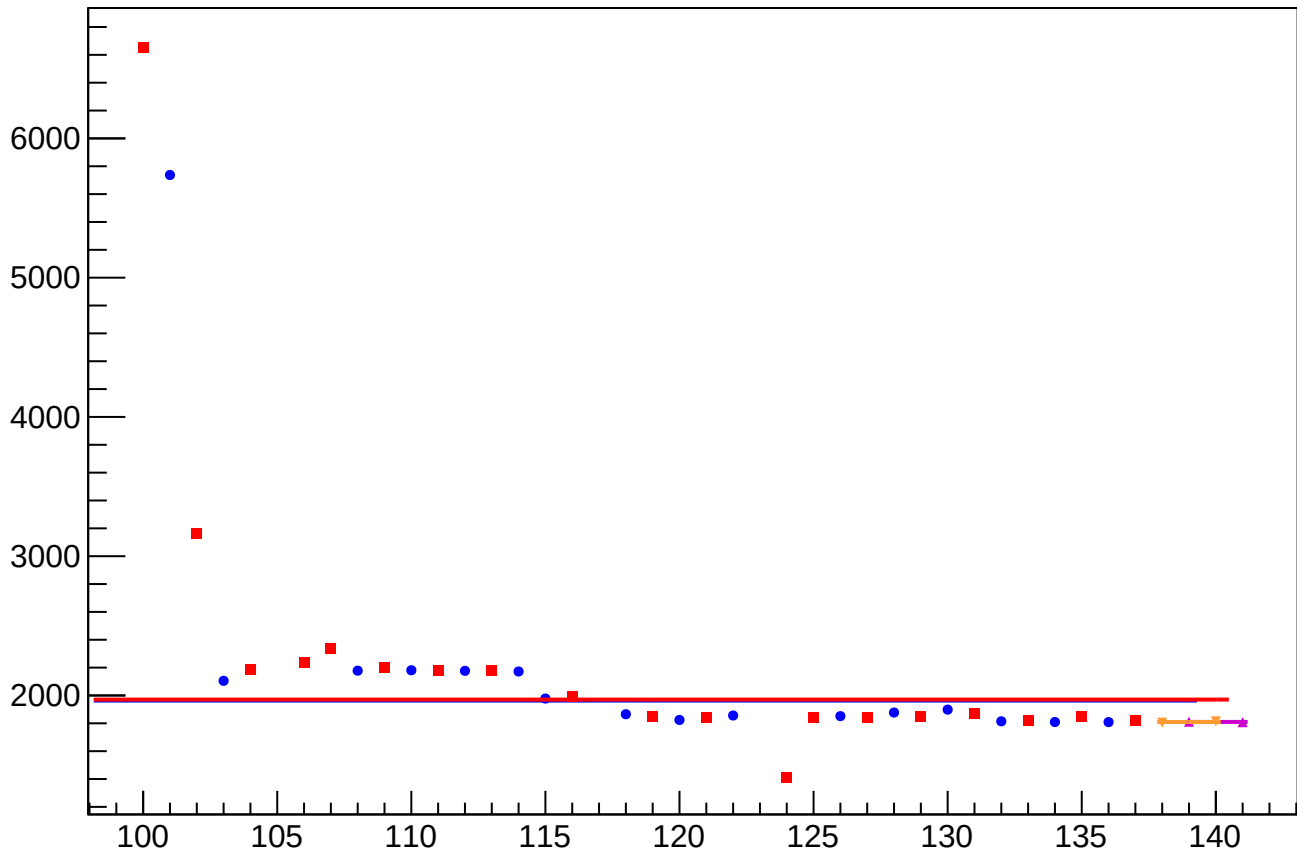
Left In: -3030.412 $\pm$ 1375.592 χ^2 /NDF:0.8/1

+ sign 2175.566 $\pm$ 660.572 χ^2 /NDF: 17.8/17

All: -64.363 $\pm$ 463.228 χ^2 /NDF: 58.4/38

- sign -2231.629 $\pm$ 649.769 χ^2 /NDF: 18.0/20

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

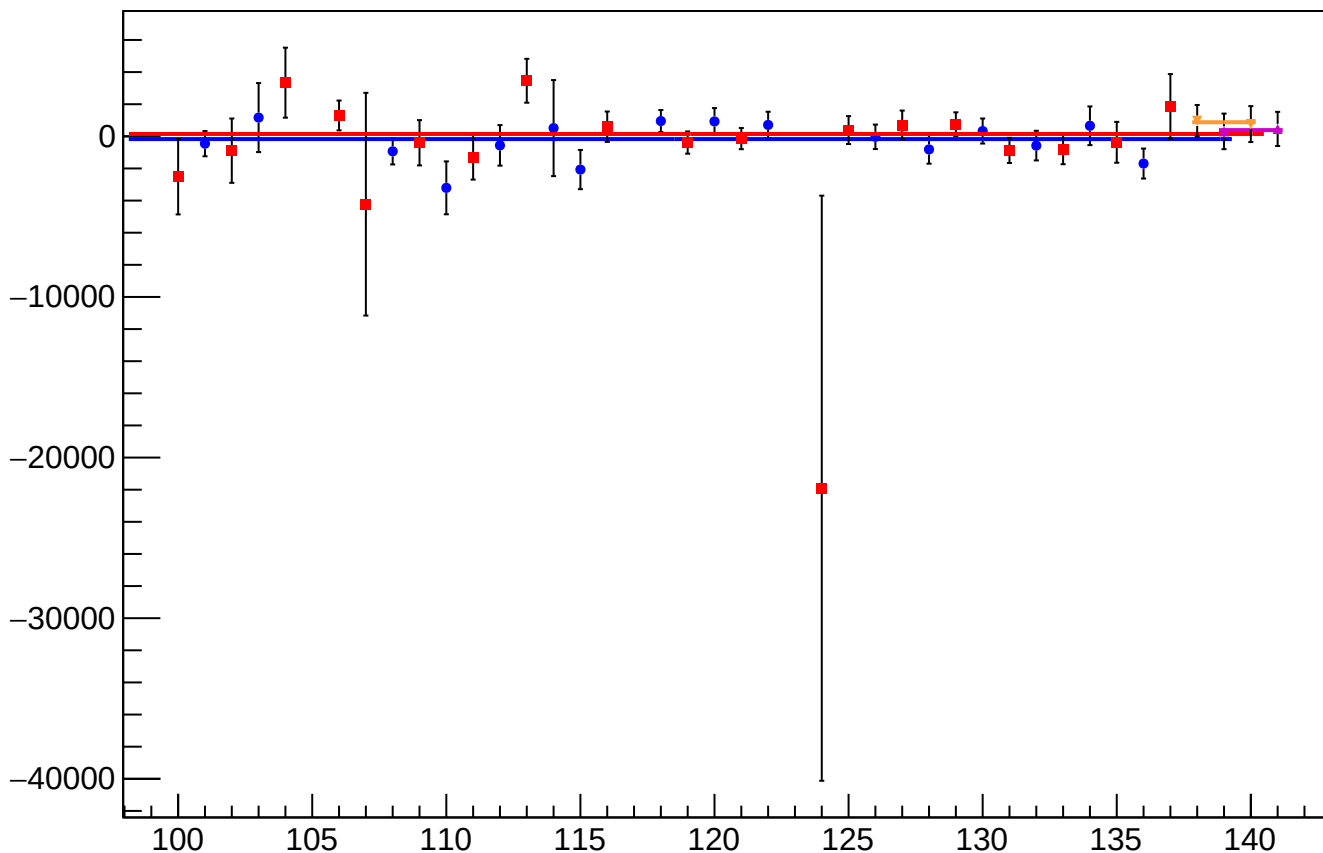
Left In: 1809.974 $\pm$ 0.973 χ^2 /NDF:3.5/1

+ sign 1930.055 $\pm$ 0.467 χ^2 /NDF: 658744.2/17

All: 1932.391 $\pm$ 0.328 χ^2 /NDF: 1025076.8/38

- sign 1934.651 $\pm$ 0.459 χ^2 /NDF: 366283.5/20

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

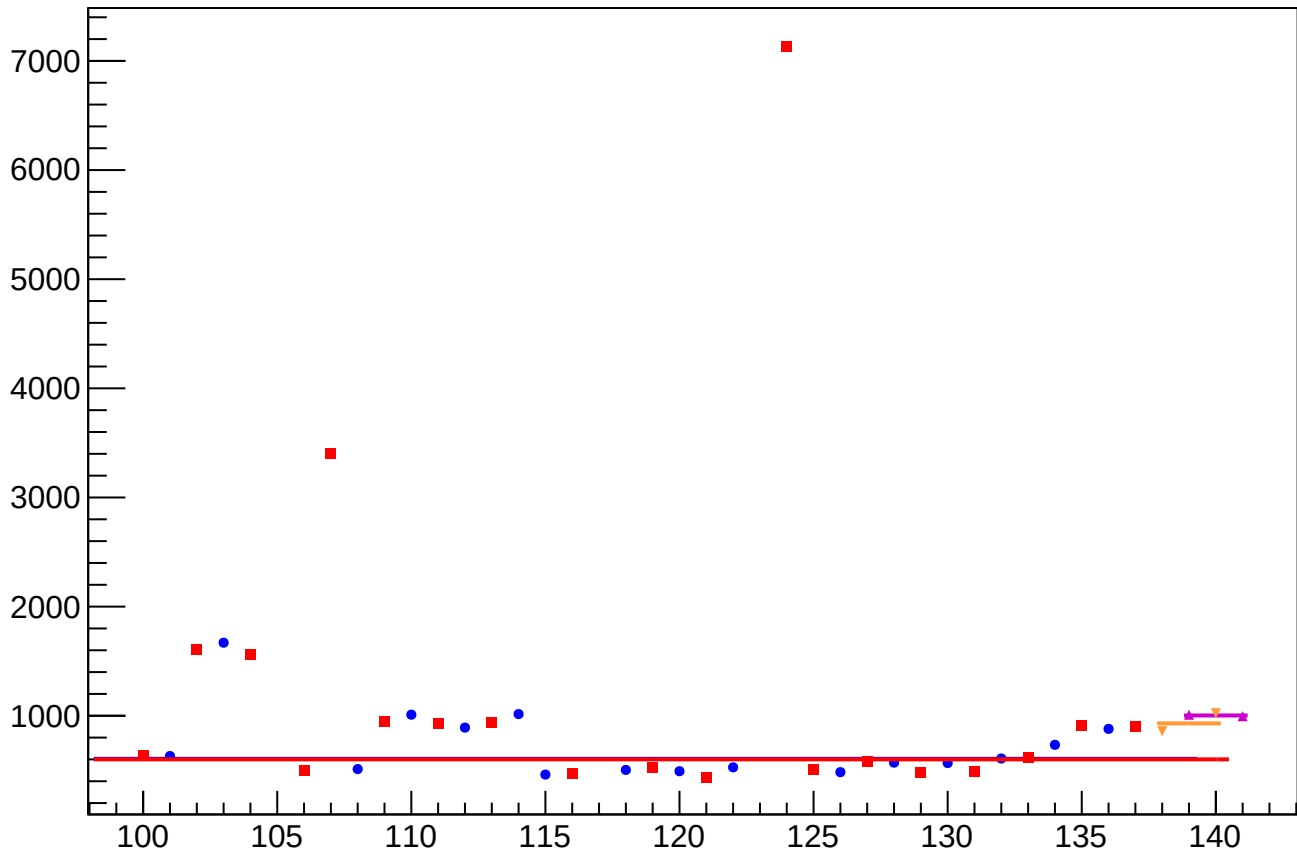
Left In: 388.222 ± 766.579 χ^2/NDF : 0.0/1

+ sign -72.802 ± 225.587 χ^2/NDF : 19.1/17

All: 45.184 ± 161.567 χ^2/NDF : 39.8/38

- sign 169.445 ± 231.508 χ^2/NDF : 20.2/20

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF : 1162462.4/15

Left Out: 930.171+/-0.522 χ^2/NDF :24466.9/1

Right Out: 600.446+/-0.172 χ^2/NDF : 2328531.9/18

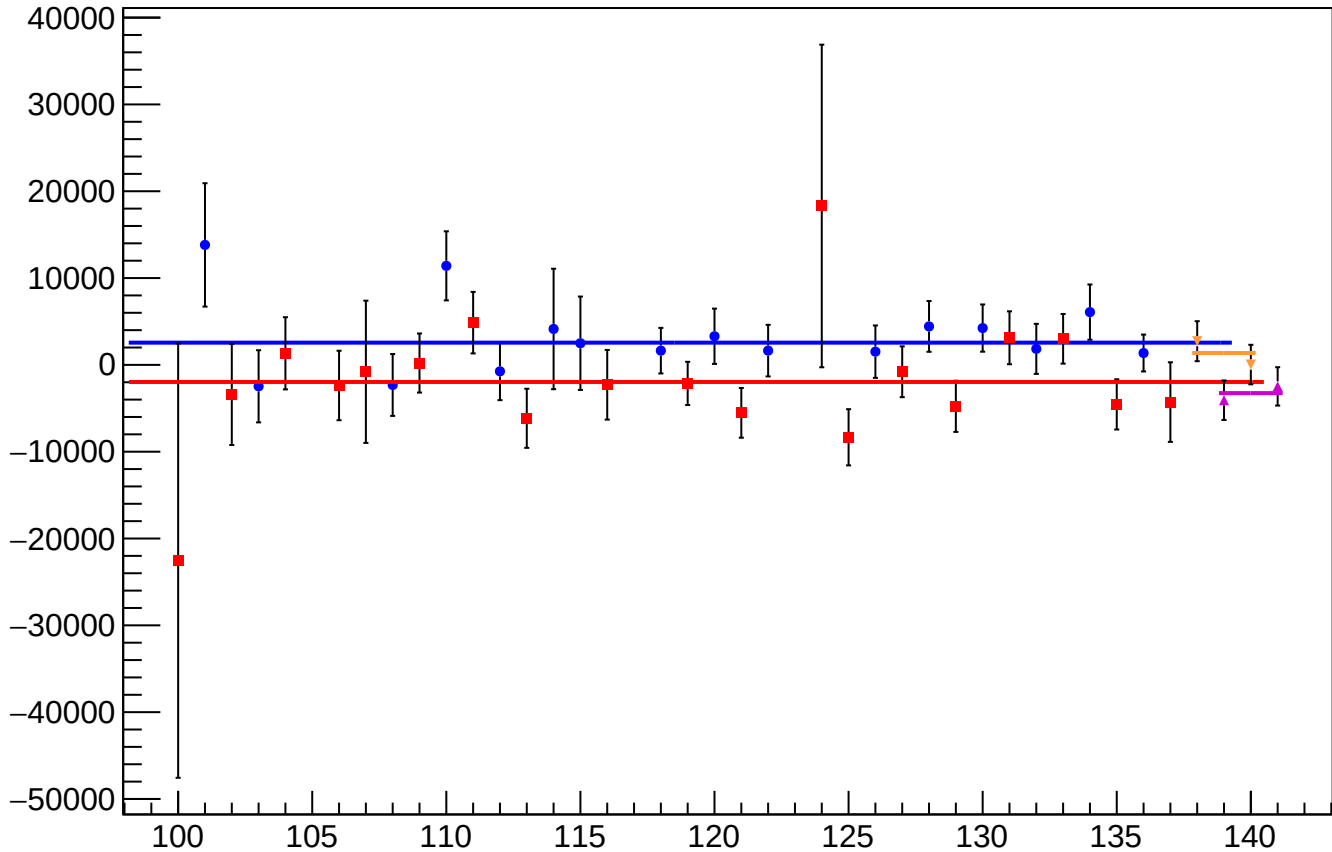
Left In: 1002.557+/-0.542 χ^2/NDF :160.9/1

+ sign 635.734+/-0.160 χ^2/NDF : 1537614.0/17

All: 636.409+/-0.114 χ^2/NDF : 4366462.2/38

- sign 637.120+/-0.164 χ^2/NDF : 2828811.4/20

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF : 14.6/15

Left Out: 1366.074+/-1619.159 χ^2/NDF : 0.7/1

Right Out: -1966.731+/-818.839 χ^2/NDF : 21.6/18

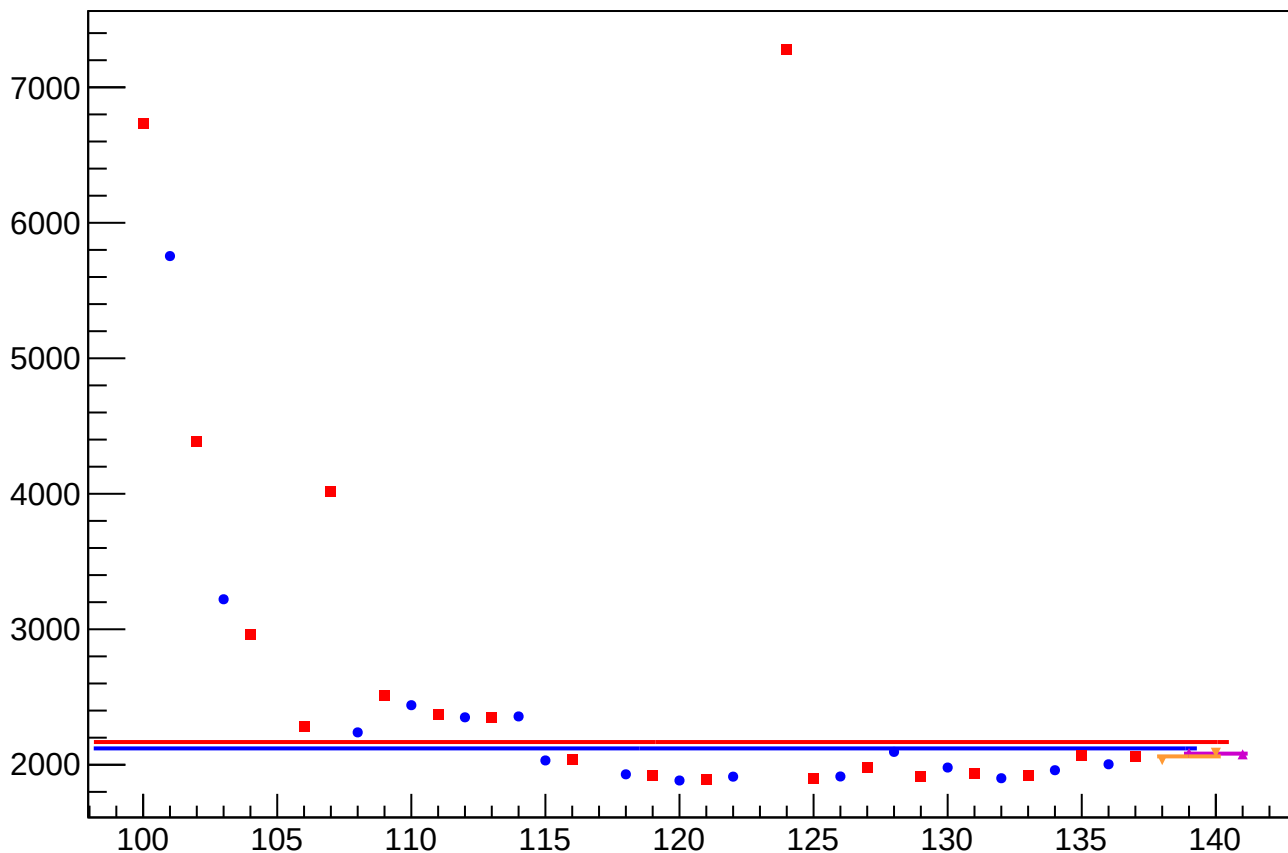
Left In: -3250.917+/-1584.300 χ^2/NDF : 0.3/1

+ sign 2321.954+/-724.166 χ^2/NDF : 15.7/17

All: 52.483+/-513.211 χ^2/NDF : 57.8/38

- sign -2237.457+/-727.425 χ^2/NDF : 22.4/20

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF : 759969.1/15

Left Out: 2061.876+/-1.145 χ^2/NDF : 565.3/1

Right Out: 2167.840+/-0.579 χ^2/NDF : 823925.5/18

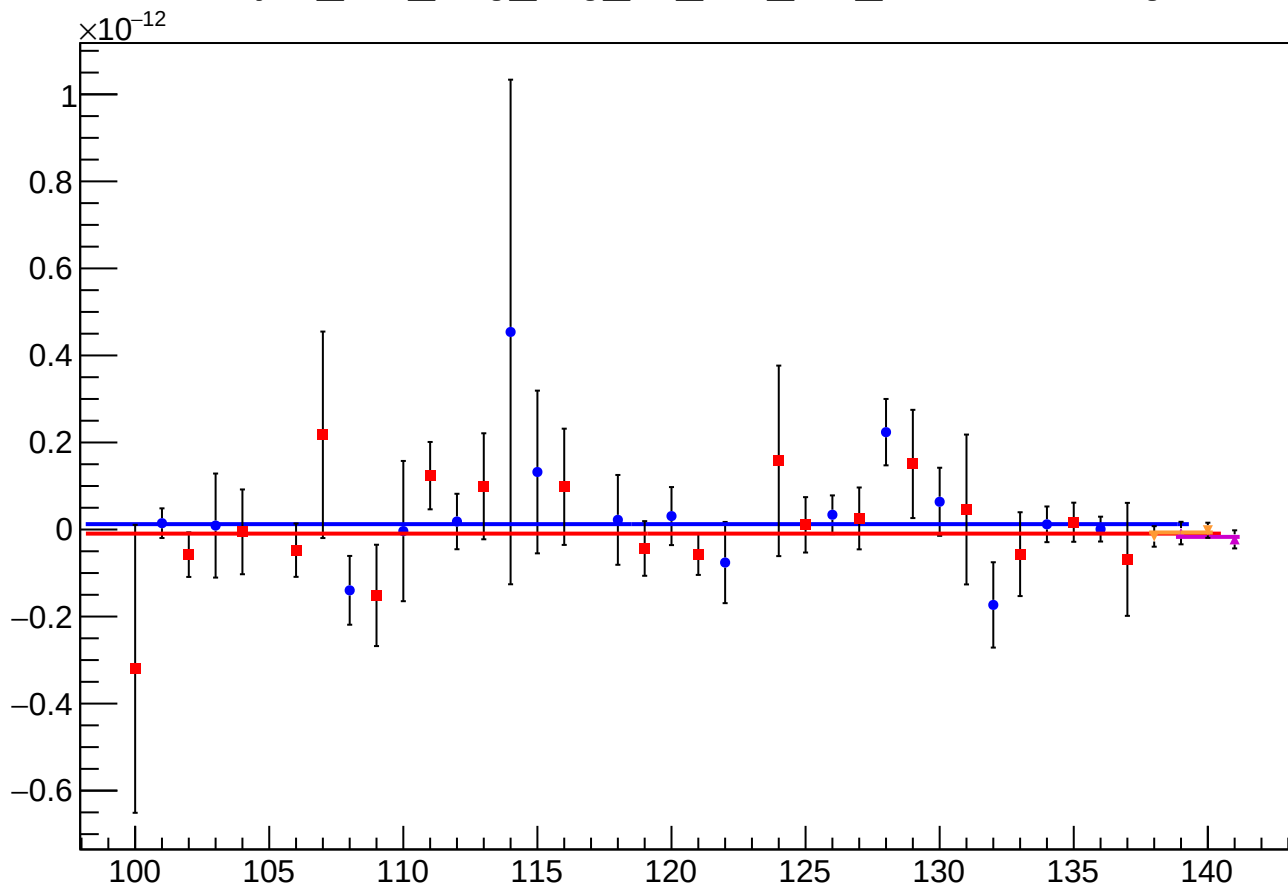
Left In: 2082.264+/-1.120 χ^2/NDF : 21.5/1

+ sign 2108.995+/-0.512 χ^2/NDF : 762651.7/17

All: 2129.306+/-0.363 χ^2/NDF : 1594364.4/38

- sign 2149.799+/-0.514 χ^2/NDF : 828552.1/20

asym_at1_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: 0.2/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

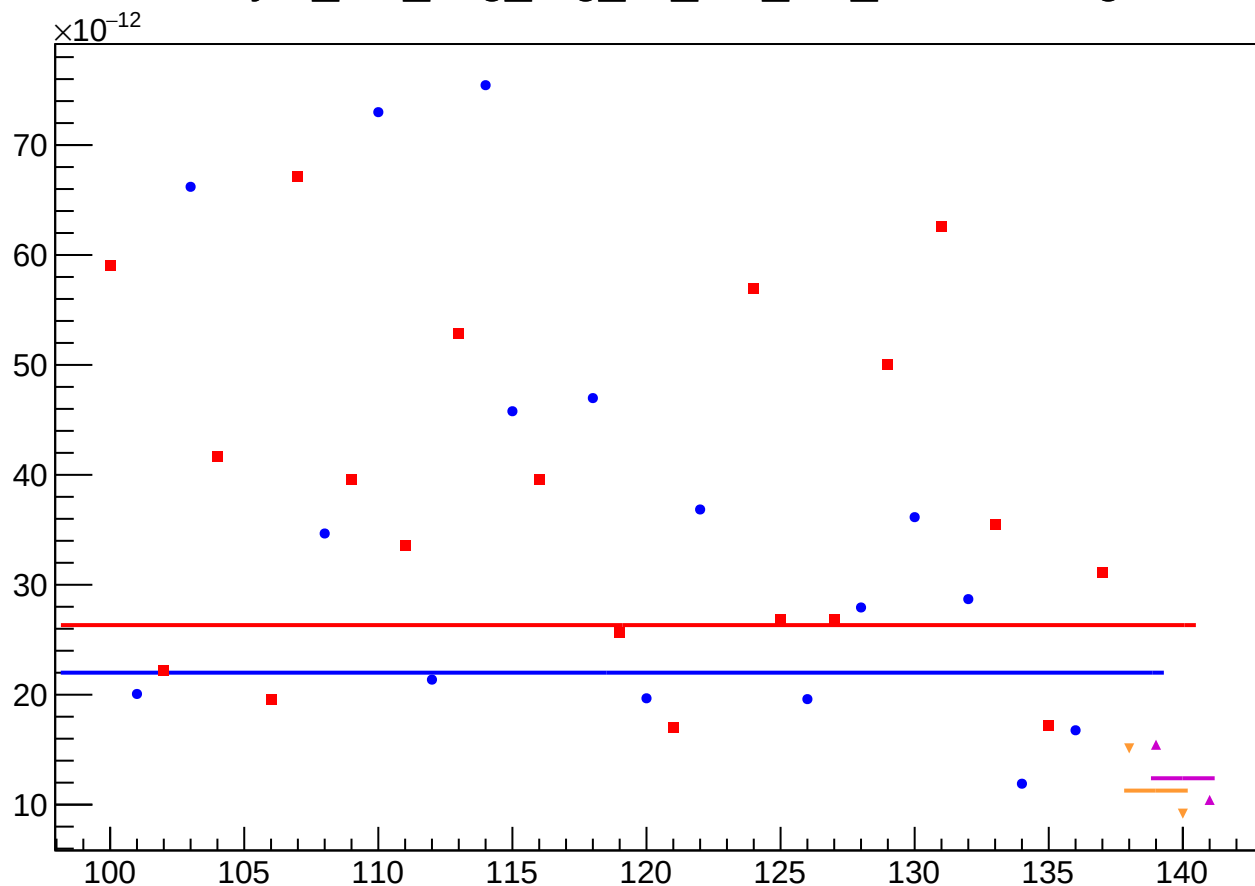
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.0/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/20

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 82222.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 705211.2/18

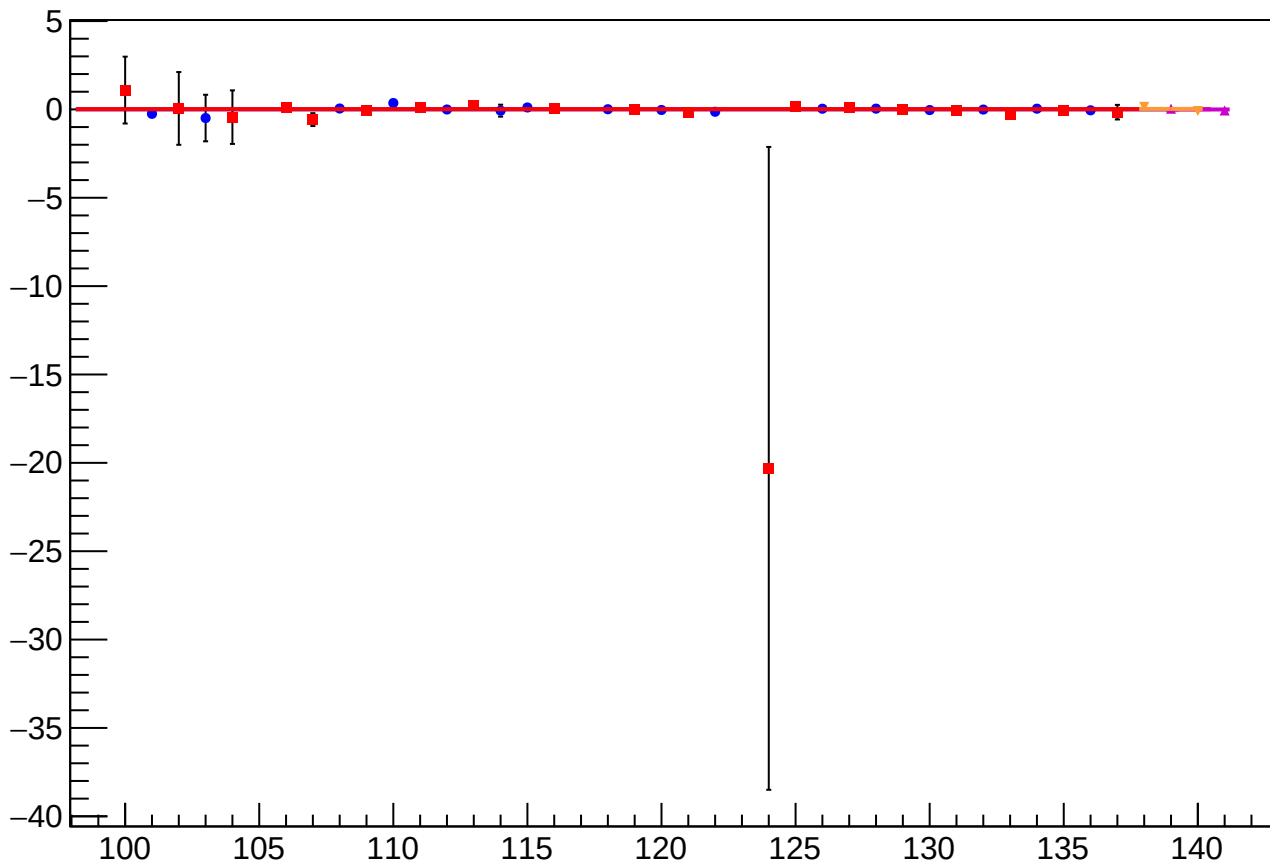
Left In: 0.000+/-0.000 χ^2/NDF : 45758.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 1672055.2/17

All: 0.000+/-0.000 χ^2/NDF : 3124371.0/38

- sign 0.000+/-0.000 χ^2/NDF : 1411361.2/20

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.027 $\chi^2/\text{NDF}: 11.4/15$

Left Out: 0.027 ± 0.067 $\chi^2/\text{NDF}: 3.1/1$

Right Out: 0.013 ± 0.026 $\chi^2/\text{NDF}: 17.6/18$

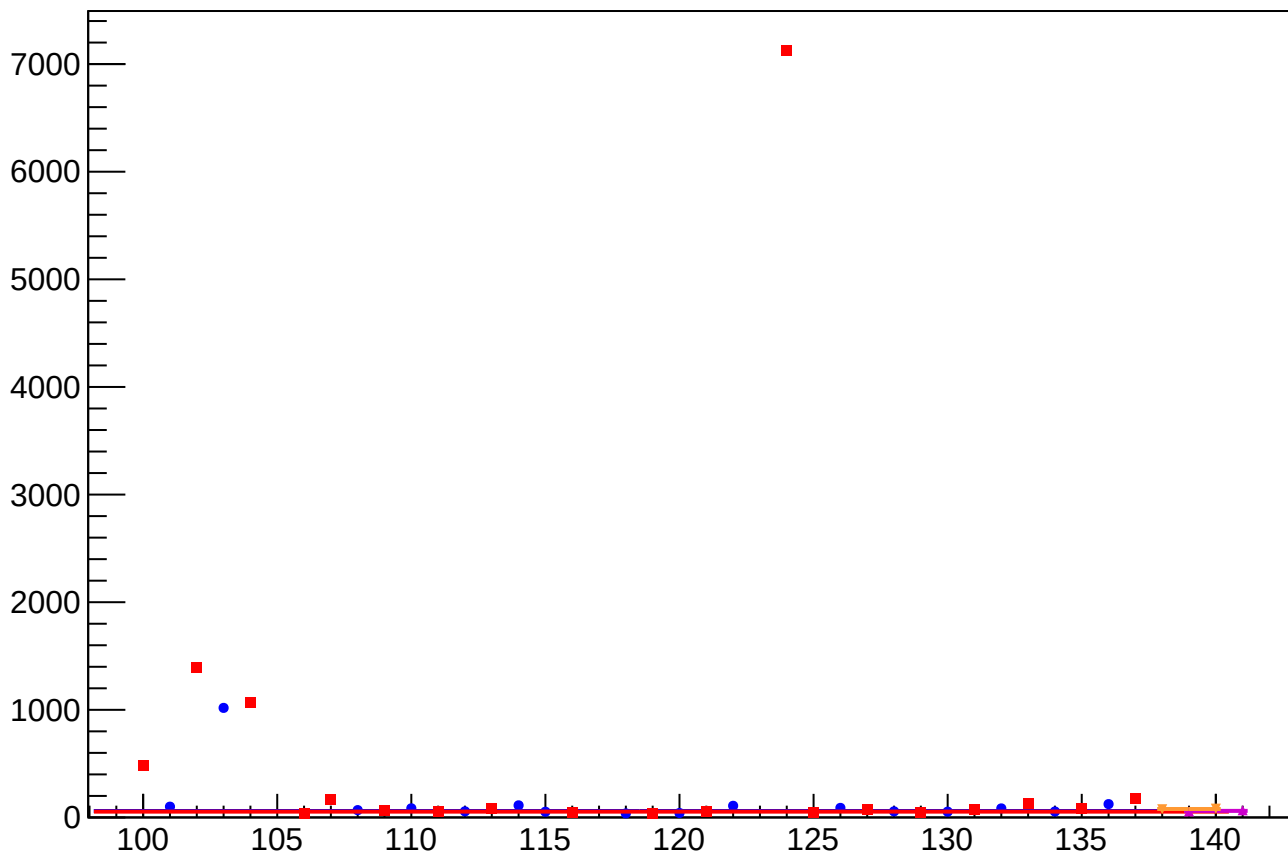
Left In: -0.005 ± 0.051 $\chi^2/\text{NDF}: 1.0/1$

+ sign 0.007 ± 0.025 $\chi^2/\text{NDF}: 14.6/17$

All: 0.008 ± 0.017 $\chi^2/\text{NDF}: 33.3/38$

- sign 0.009 ± 0.023 $\chi^2/\text{NDF}: 18.6/20$

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

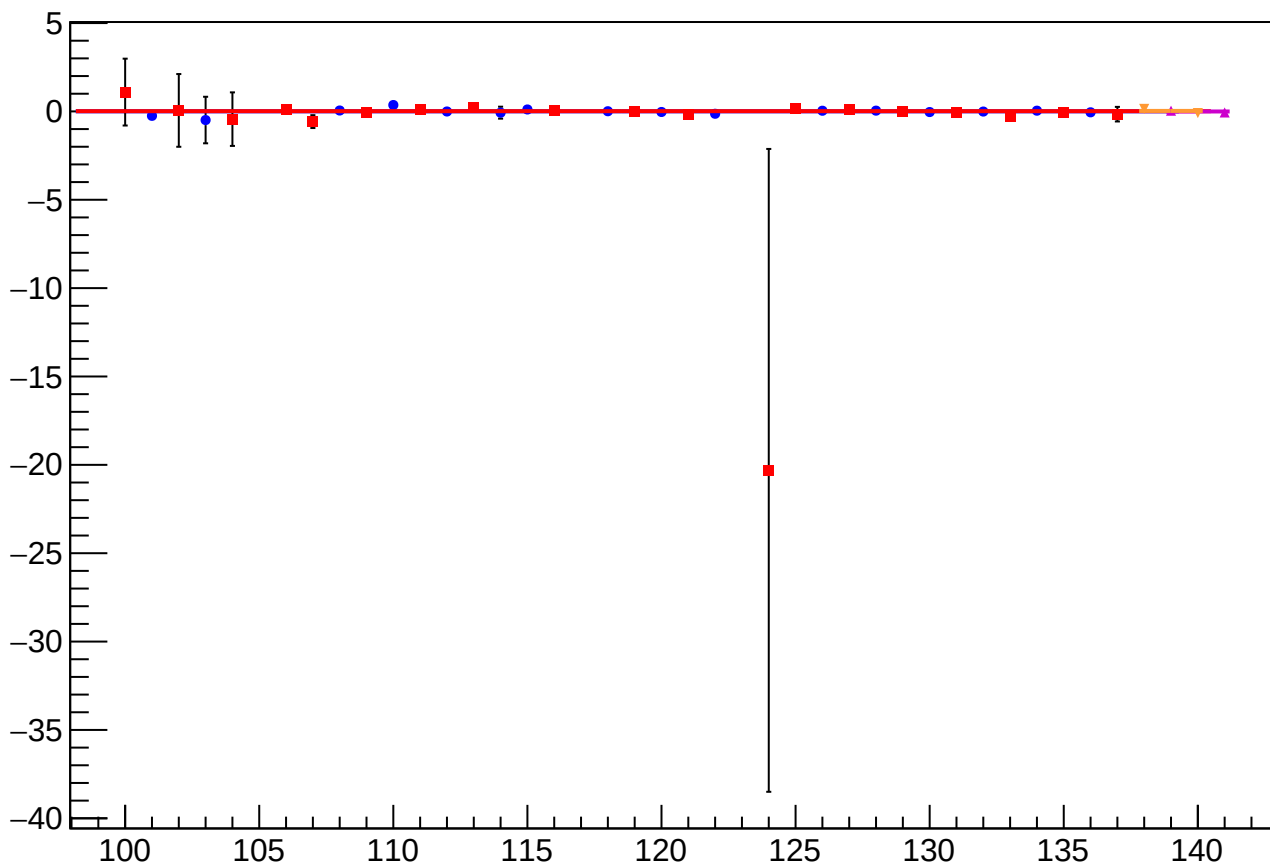
Left In: 61.013 $\pm$ 0.036 χ^2 /NDF: 21252.9/1

+ sign 62.427 $\pm$ 0.018 χ^2 /NDF: 2678434.2/17

All: 58.778 $\pm$ 0.012 χ^2 /NDF: 6330024.4/38

- sign 55.644 $\pm$ 0.016 χ^2 /NDF: 3571171.8/20

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

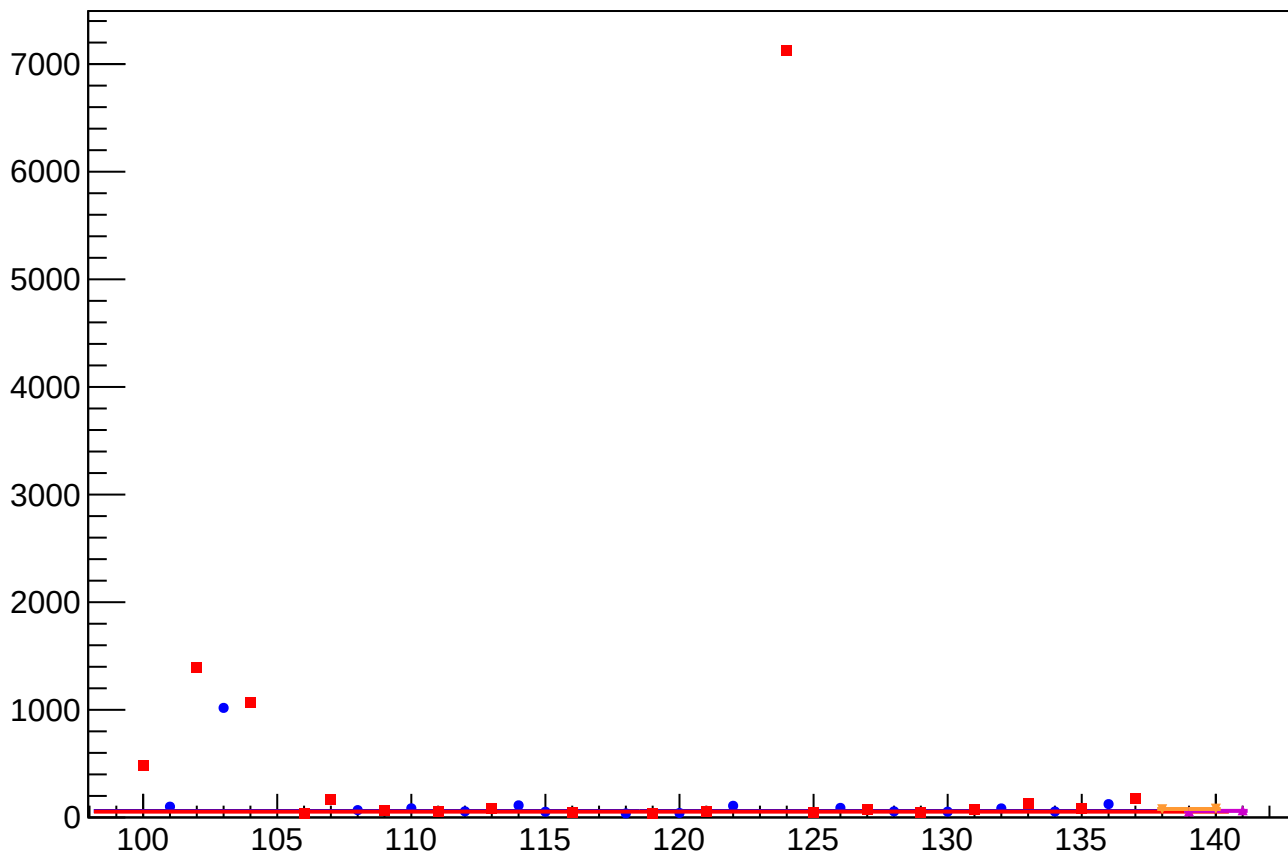
Left In: -0.005 $\pm$ 0.051 χ^2 /NDF: 1.0/1

+ sign 0.007 $\pm$ 0.025 χ^2 /NDF: 14.6/17

All: 0.008 $\pm$ 0.017 χ^2 /NDF: 33.3/38

- sign 0.009 $\pm$ 0.023 χ^2 /NDF: 18.6/20

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF : 2538867.4/15

Left Out: 78.626+/-0.047 χ^2/NDF : 3374.7/1

Right Out: 54.249+/-0.018 χ^2/NDF : 3521580.5/18

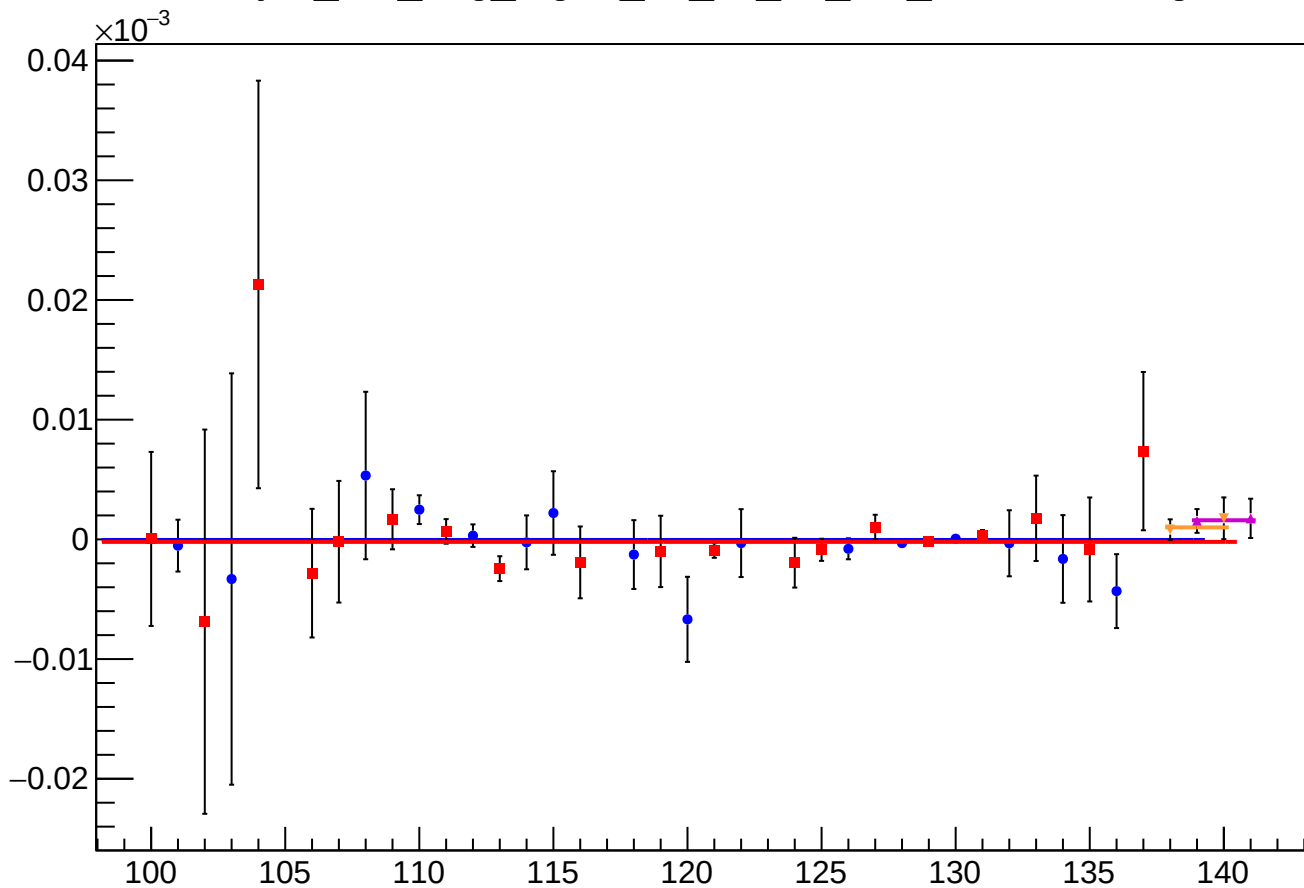
Left In: 61.013+/-0.036 χ^2/NDF : 21252.9/1

+ sign 62.427+/-0.018 χ^2/NDF : 2678434.2/17

All: 58.778+/-0.012 χ^2/NDF : 6330024.4/38

- sign 55.644+/-0.016 χ^2/NDF : 3571171.8/20

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 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

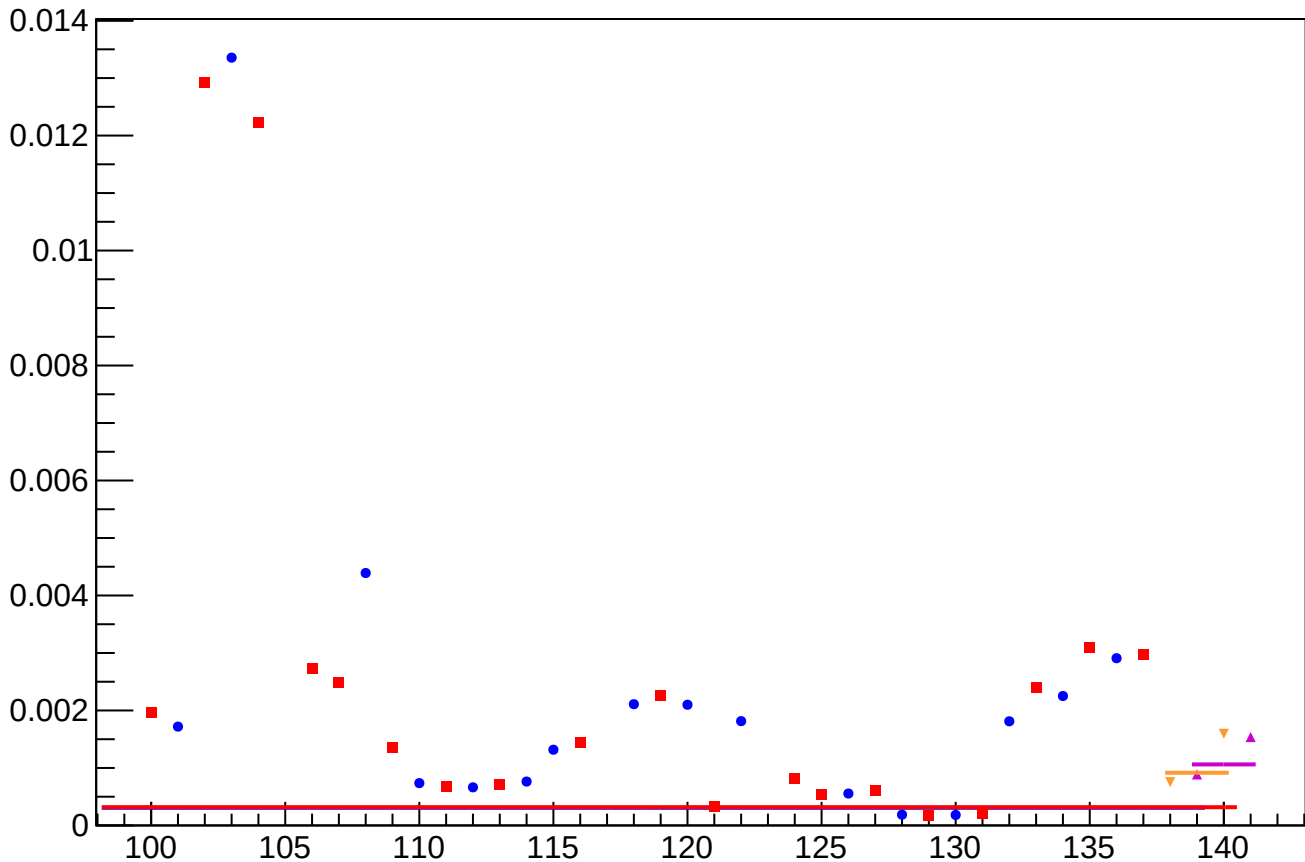
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.0/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/20

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 375267.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 8015537.3/18

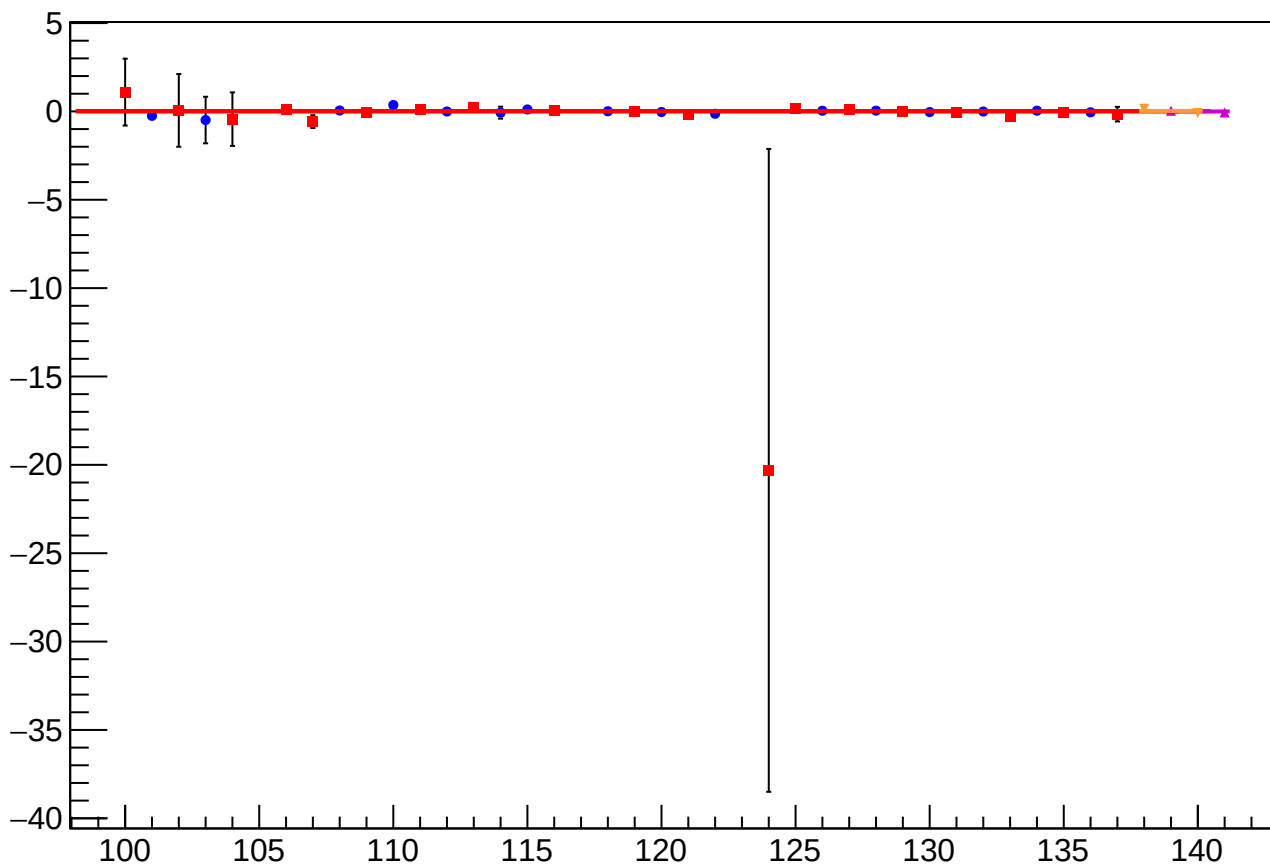
Left In: 0.001+/-0.000 χ^2/NDF : 230231.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 10309377.1/17

All: 0.000+/-0.000 χ^2/NDF : 20018884.2/38

- sign 0.000+/-0.000 χ^2/NDF : 9707148.0/20

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

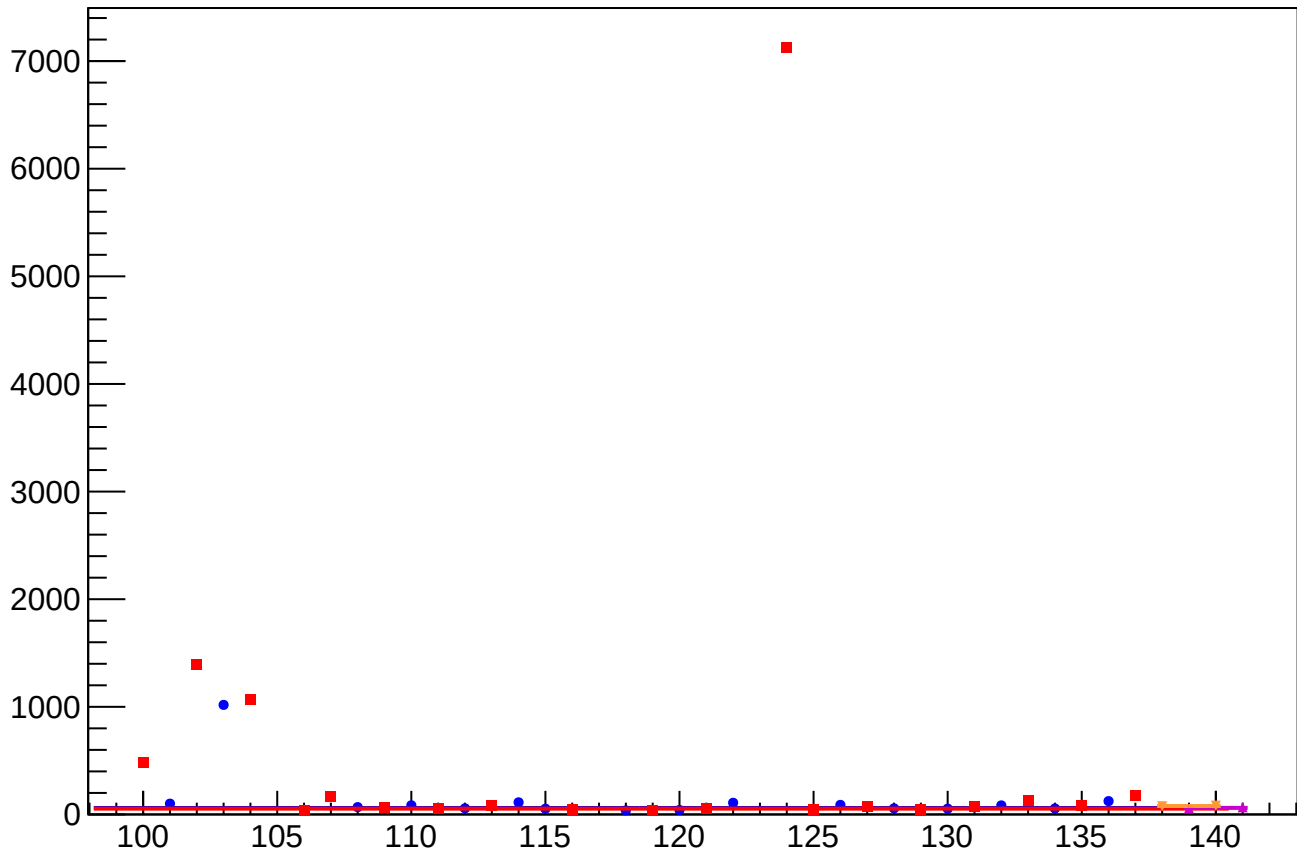
Left In: -0.005 $\pm$ 0.051 χ^2 /NDF: 1.0/1

+ sign 0.007 $\pm$ 0.025 χ^2 /NDF: 14.6/17

All: 0.008 $\pm$ 0.017 χ^2 /NDF: 33.3/38

- sign 0.009 $\pm$ 0.023 χ^2 /NDF: 18.6/20

asym_at1_avg_eigen_dit_vs_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

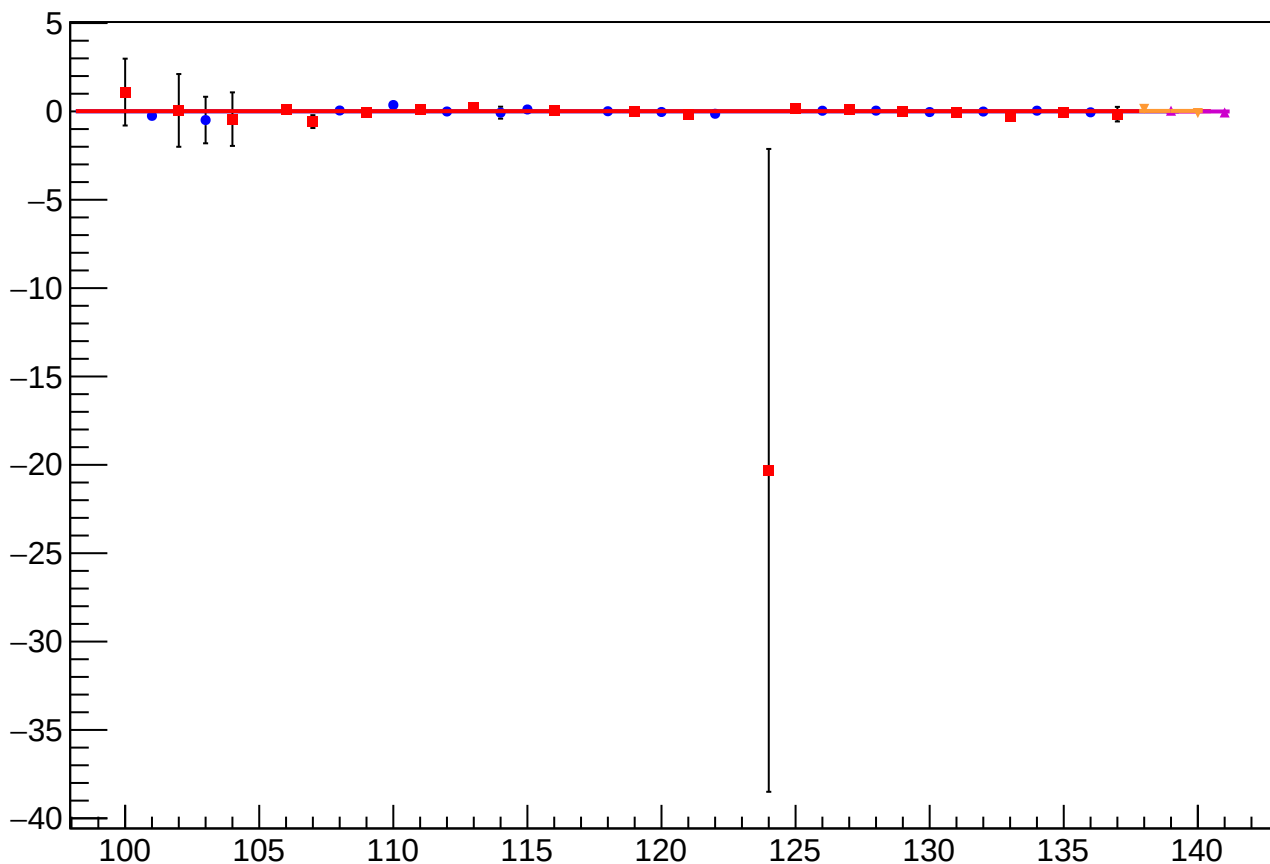
Left In: 61.012 $\pm$ 0.036 χ^2 /NDF: 21252.6/1

+ sign 62.427 $\pm$ 0.018 χ^2 /NDF: 2678448.7/17

All: 58.778 $\pm$ 0.012 χ^2 /NDF: 6330123.6/38

- sign 55.643 $\pm$ 0.016 χ^2 /NDF: 3571239.2/20

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

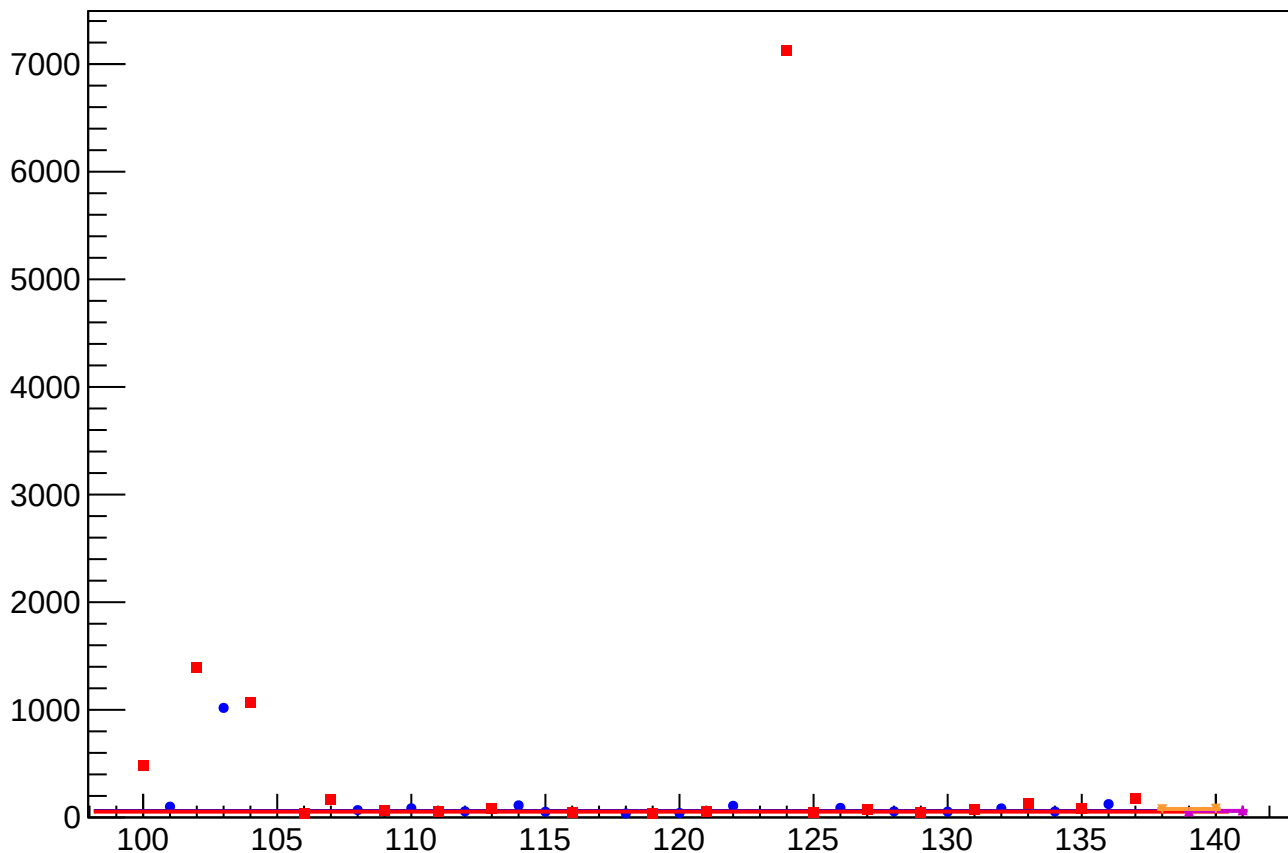
Left In: -0.005 $\pm$ 0.051 χ^2 /NDF: 1.0/1

+ sign 0.007 $\pm$ 0.025 χ^2 /NDF: 14.6/17

All: 0.008 $\pm$ 0.017 χ^2 /NDF: 33.3/38

- sign 0.009 $\pm$ 0.023 χ^2 /NDF: 18.6/20

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF : 2538881.2/15

Left Out: 78.626+/-0.047 χ^2/NDF : 3373.9/1

Right Out: 54.248+/-0.018 χ^2/NDF : 3521640.4/18

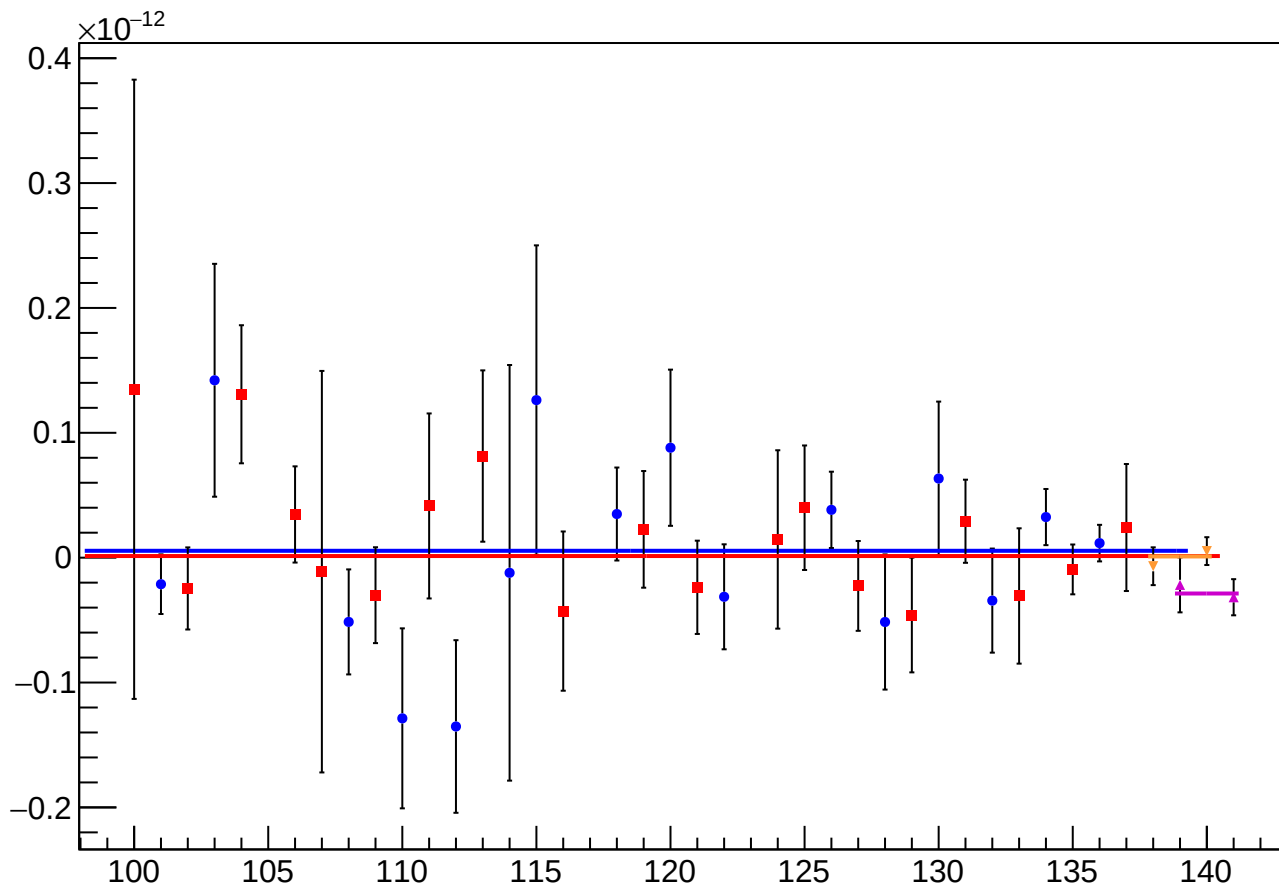
Left In: 61.012+/-0.036 χ^2/NDF : 21252.6/1

+ sign 62.427+/-0.018 χ^2/NDF : 2678448.7/17

All: 58.778+/-0.012 χ^2/NDF : 6330123.6/38

- sign 55.643+/-0.016 χ^2/NDF : 3571239.2/20

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 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

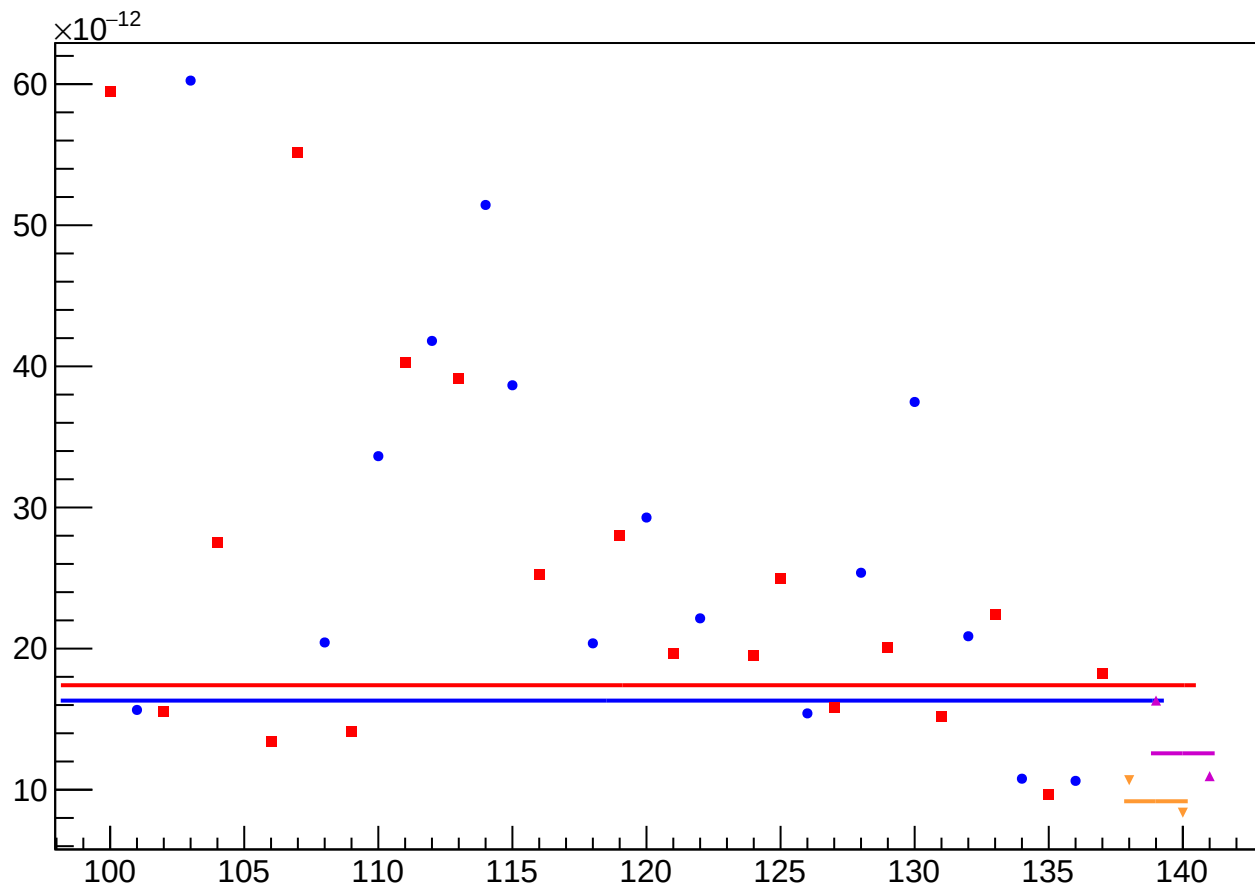
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.3/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/20

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

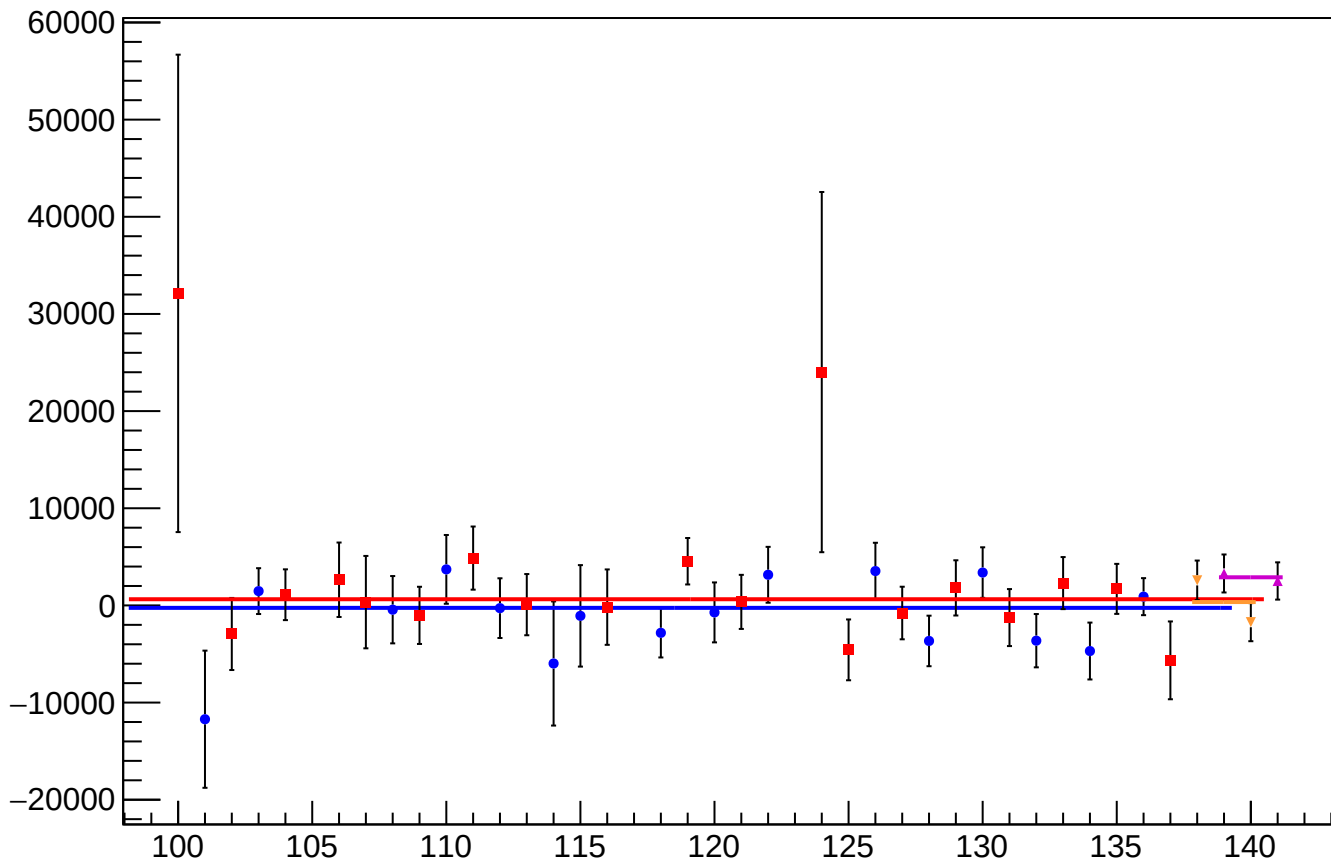
Left In: 0.000+/-0.000 χ^2/NDF : 82737.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 2580554.0/17

All: 0.000+/-0.000 χ^2/NDF : 4194859.9/38

- sign 0.000+/-0.000 χ^2/NDF : 1472398.7/20

reg_asym_at1_dd_mean vs Slug



Right In: -251.297 ± 735.111 χ^2/NDF : 17.3/15

Left Out: 346.911 ± 1412.393 χ^2/NDF : 2.3/1

Right Out: 636.082 ± 735.477 χ^2/NDF : 15.9/18

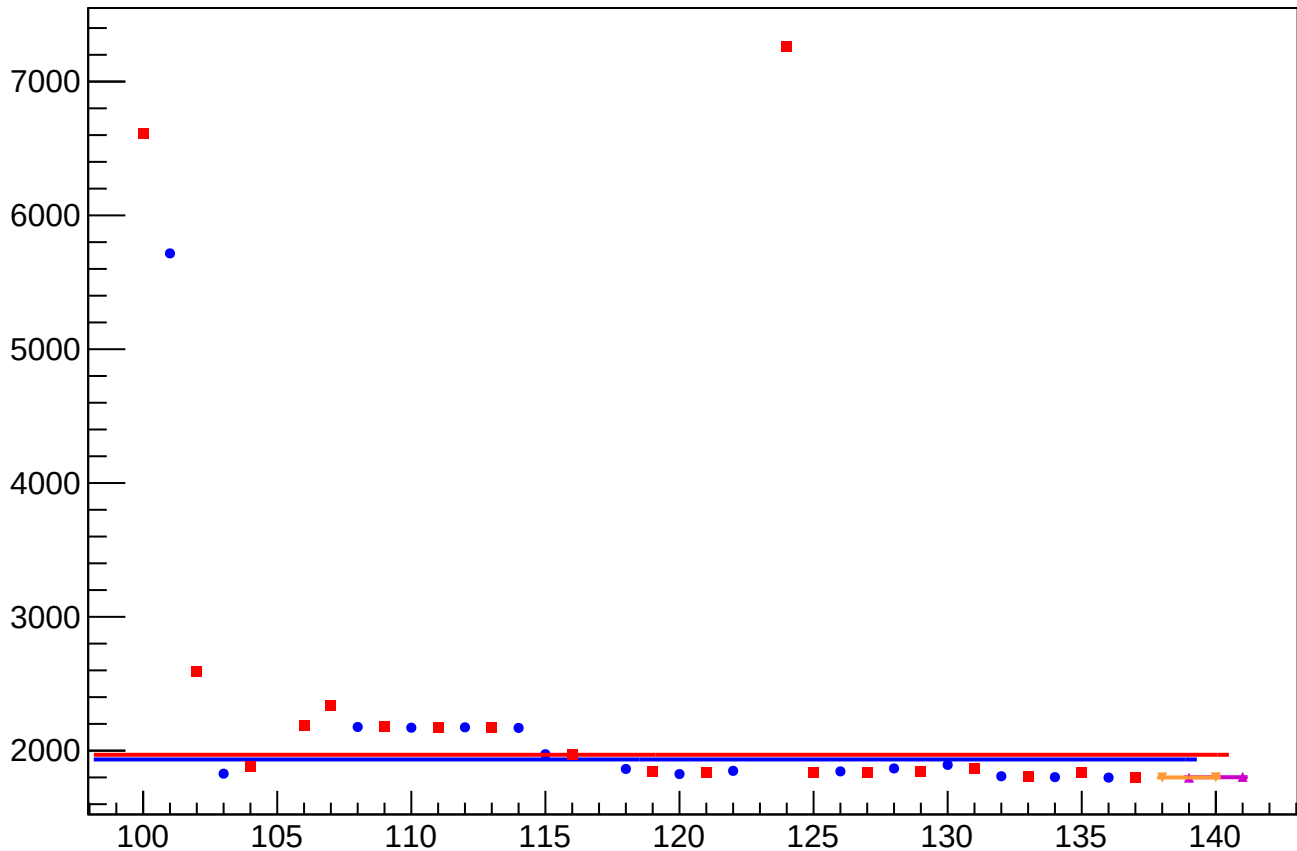
Left In: 2894.460 ± 1369.039 χ^2/NDF : 0.1/1

+ sign -123.788 ± 652.077 χ^2/NDF : 19.7/17

All: 513.115 ± 459.605 χ^2/NDF : 39.7/38

- sign 1141.887 ± 647.901 χ^2/NDF : 18.1/20

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF : 639920.0/15

Left Out: 1799.768+/-0.999 χ^2/NDF : 0.5/1

Right Out: 1969.204+/-0.520 χ^2/NDF : 378378.8/18

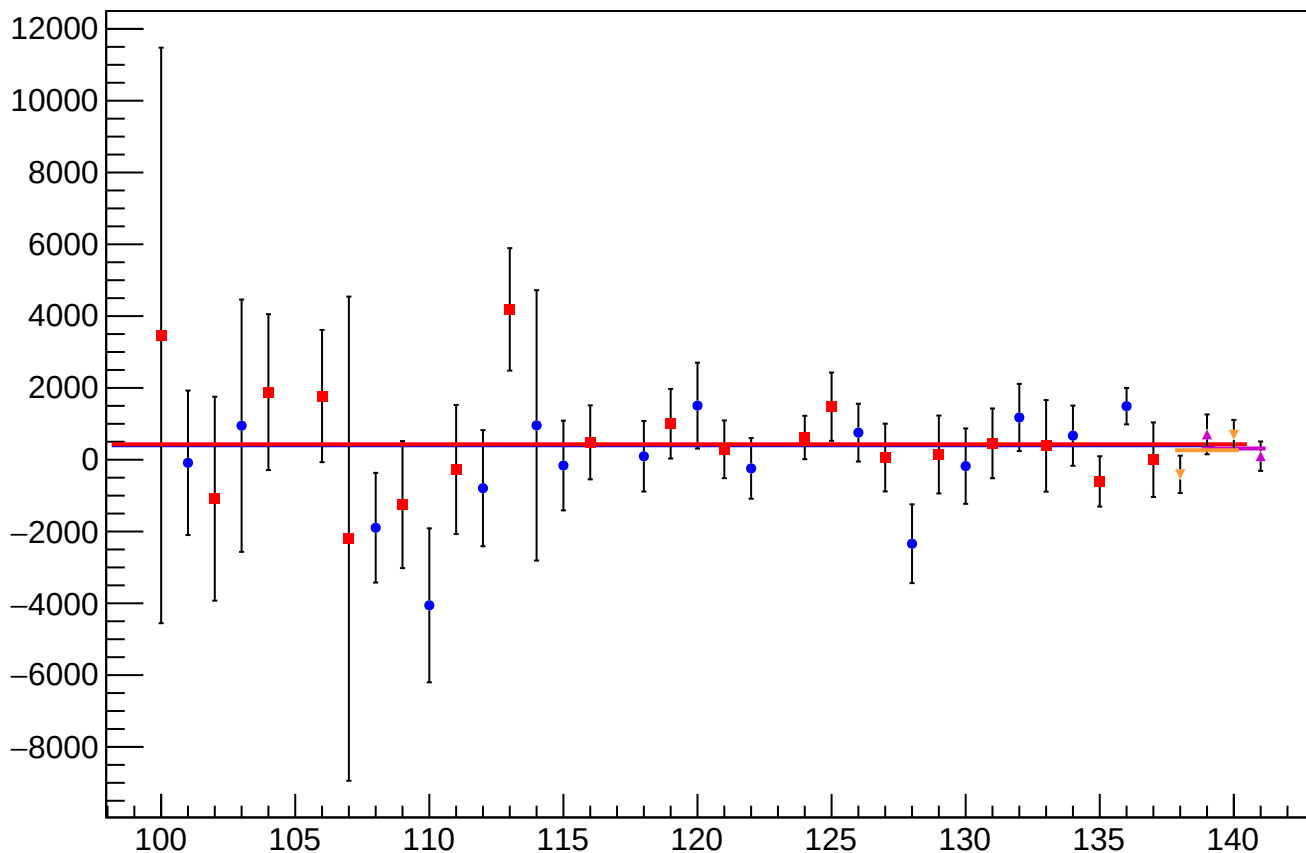
Left In: 1801.639+/-0.968 χ^2/NDF : 8.9/1

+ sign 1905.559+/-0.461 χ^2/NDF : 654180.7/17

All: 1918.701+/-0.325 χ^2/NDF : 1057433.9/38

- sign 1931.675+/-0.458 χ^2/NDF : 401638.9/20

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF : 21.1/15

Left Out: 264.224+/-324.964 χ^2/NDF : 2.7/1

Right Out: 430.066+/-252.823 χ^2/NDF : 11.7/18

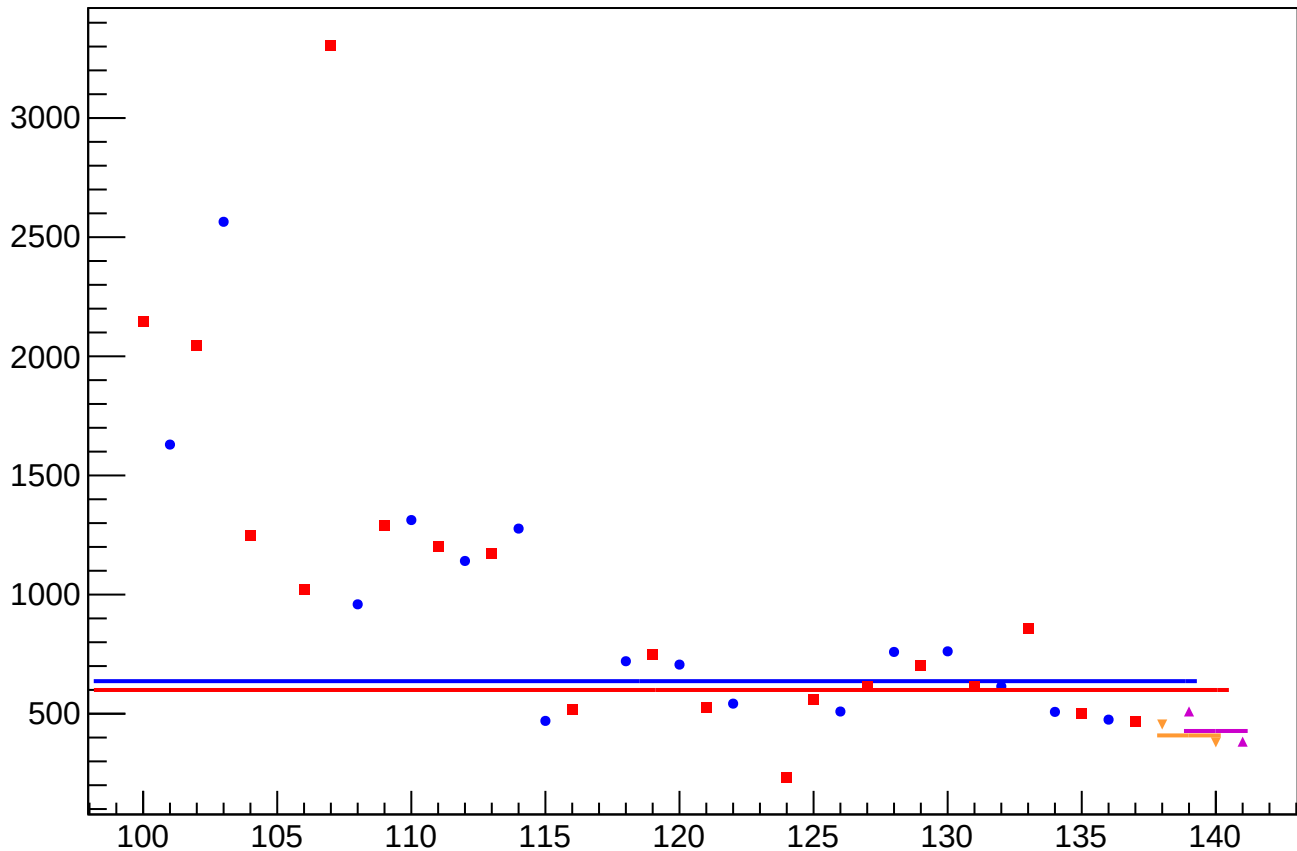
Left In: 312.988+/-329.500 χ^2/NDF : 0.8/1

+ sign 348.970+/-202.336 χ^2/NDF : 24.0/17

All: 367.989+/-142.449 χ^2/NDF : 36.6/38

- sign 386.681+/-200.581 χ^2/NDF : 12.6/20

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700 $\pm$ 0.183 χ^2 /NDF: 2066891.4/15

Left Out: 408.948 $\pm$ 0.230 χ^2 /NDF: 25293.6/1

Right Out: 599.631 $\pm$ 0.179 χ^2 /NDF: 2944100.6/18

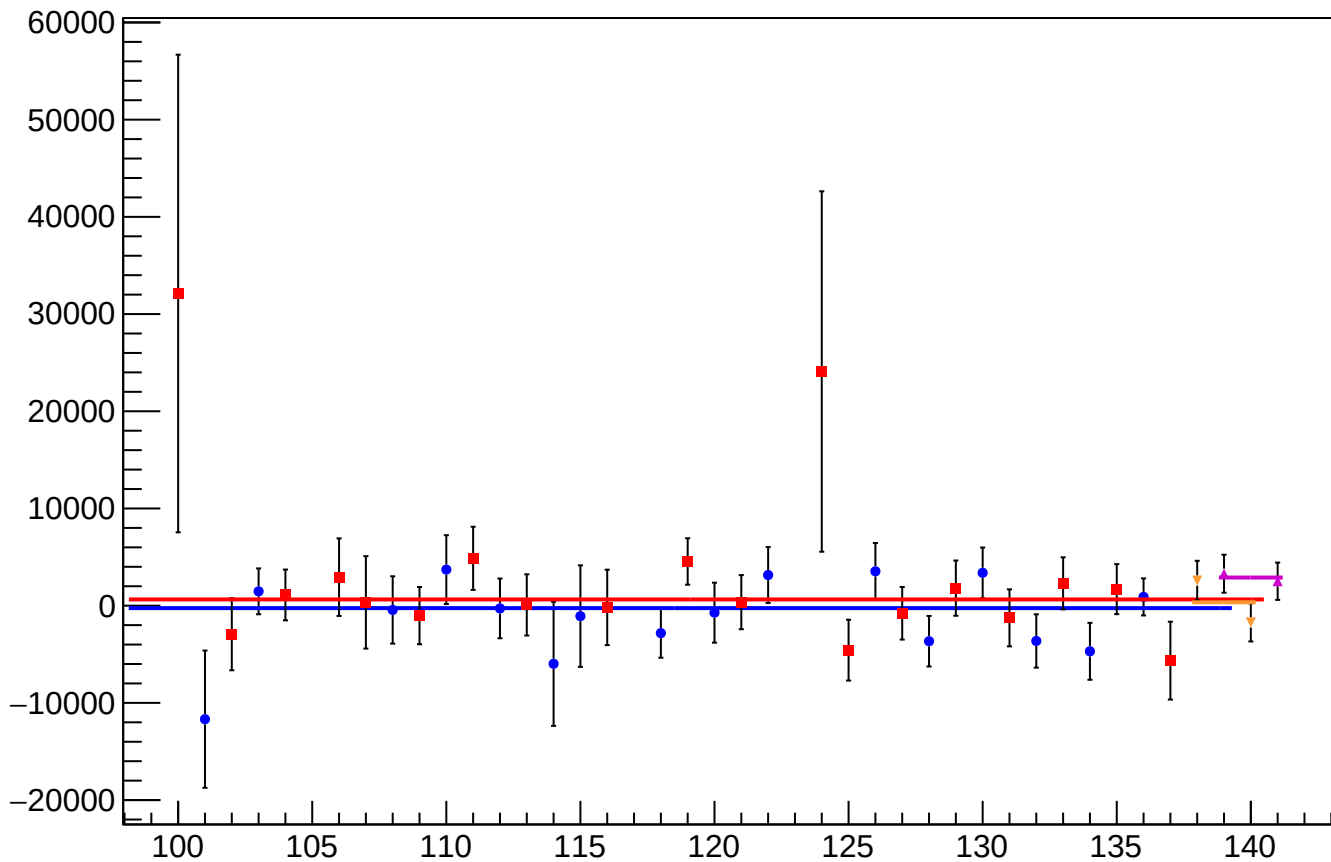
Left In: 427.579 $\pm$ 0.233 χ^2 /NDF: 67639.4/1

+ sign 548.404 $\pm$ 0.143 χ^2 /NDF: 2693719.2/17

All: 542.085 $\pm$ 0.101 χ^2 /NDF: 6052559.4/38

- sign 535.874 $\pm$ 0.142 χ^2 /NDF: 3354971.4/20

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF : 17.2/15

Left Out: 346.904+/-1412.393 χ^2/NDF : 2.3/1

Right Out: 640.865+/-736.549 χ^2/NDF : 16.0/18

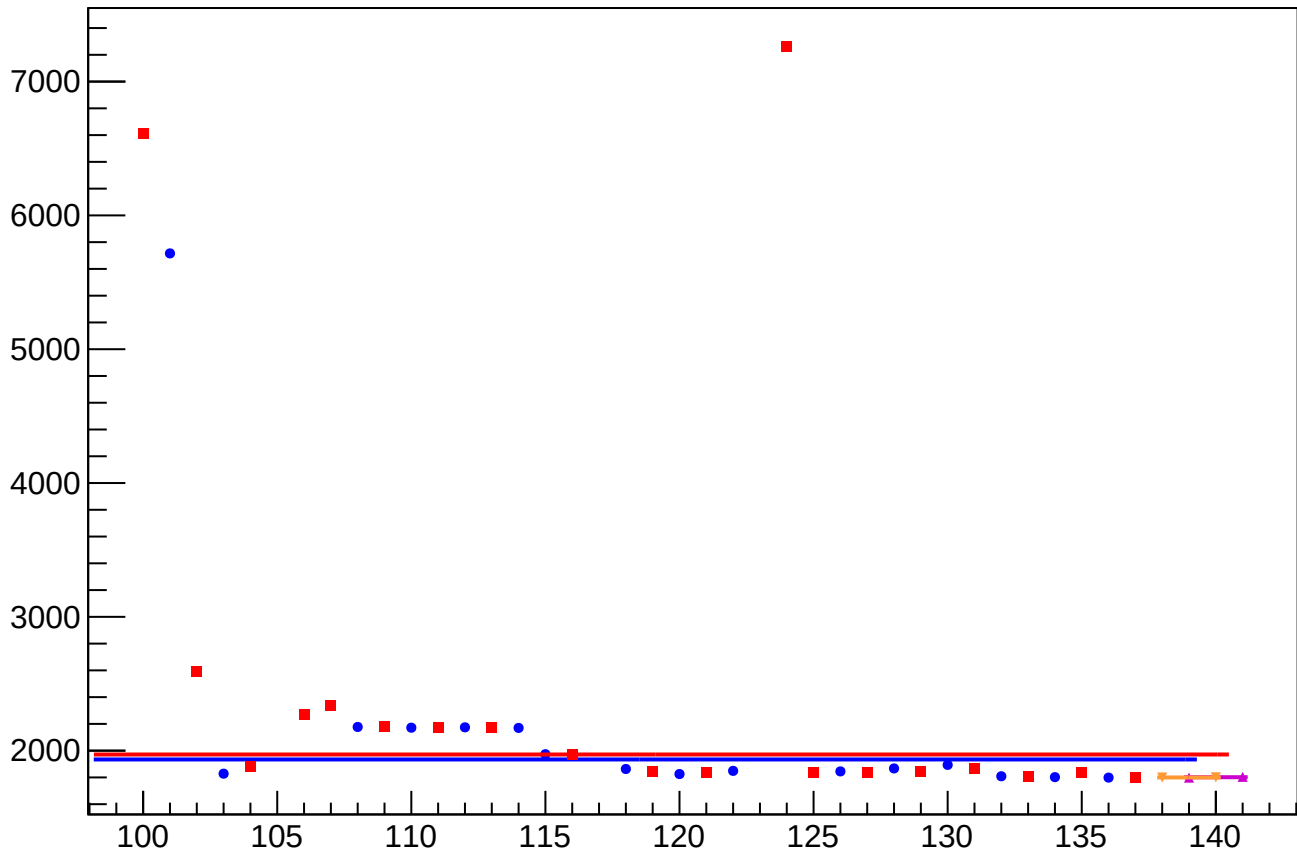
Left In: 2894.450+/-1369.039 χ^2/NDF : 0.1/1

+ sign -123.153+/-652.077 χ^2/NDF : 19.7/17

All: 515.154+/-459.866 χ^2/NDF : 39.8/38

- sign 1146.737+/-648.634 χ^2/NDF : 18.1/20

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

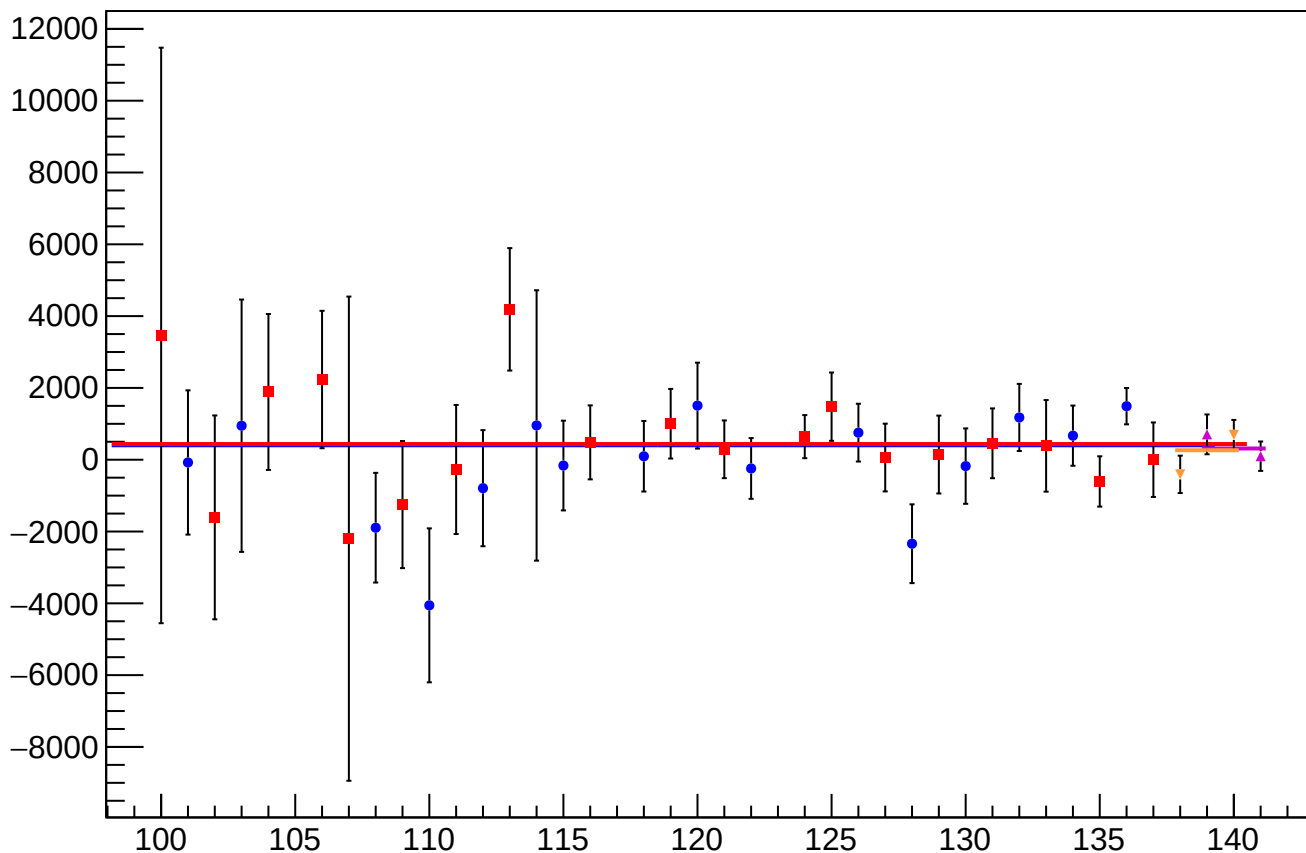
Left In: 1801.639 $\pm$ 0.968 χ^2 /NDF: 8.9/1

+ sign 1905.559 $\pm$ 0.461 χ^2 /NDF: 654180.6/17

All: 1919.482 $\pm$ 0.325 χ^2 /NDF: 1063017.1/38

- sign 1933.260 $\pm$ 0.459 χ^2 /NDF: 407022.3/20

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

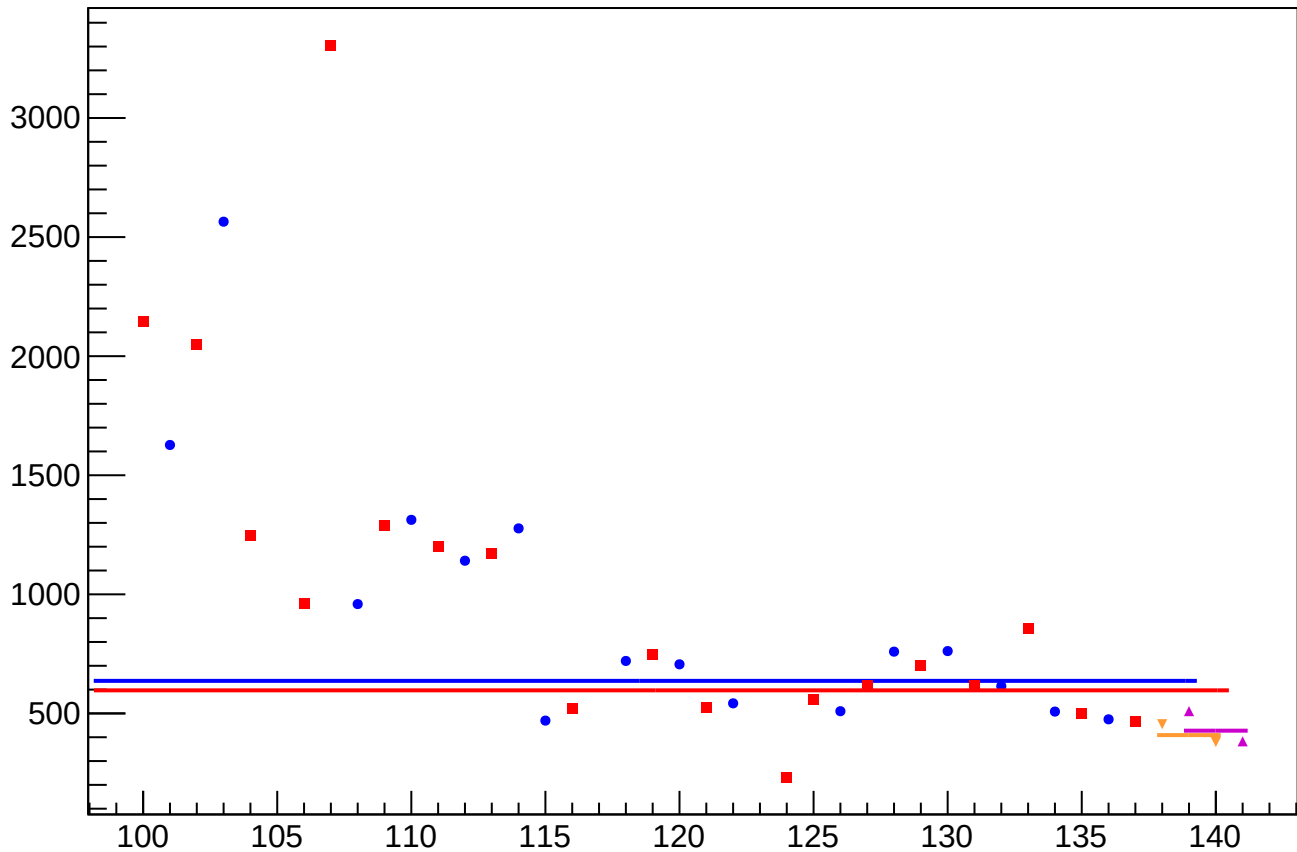
Left In: 313.115 $\pm$ 329.491 χ^2 /NDF: 0.8/1

+ sign 349.016 $\pm$ 202.333 χ^2 /NDF: 24.0/17

All: 370.164 $\pm$ 142.420 χ^2 /NDF: 37.2/38

- sign 390.931 $\pm$ 200.504 χ^2 /NDF: 13.2/20

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

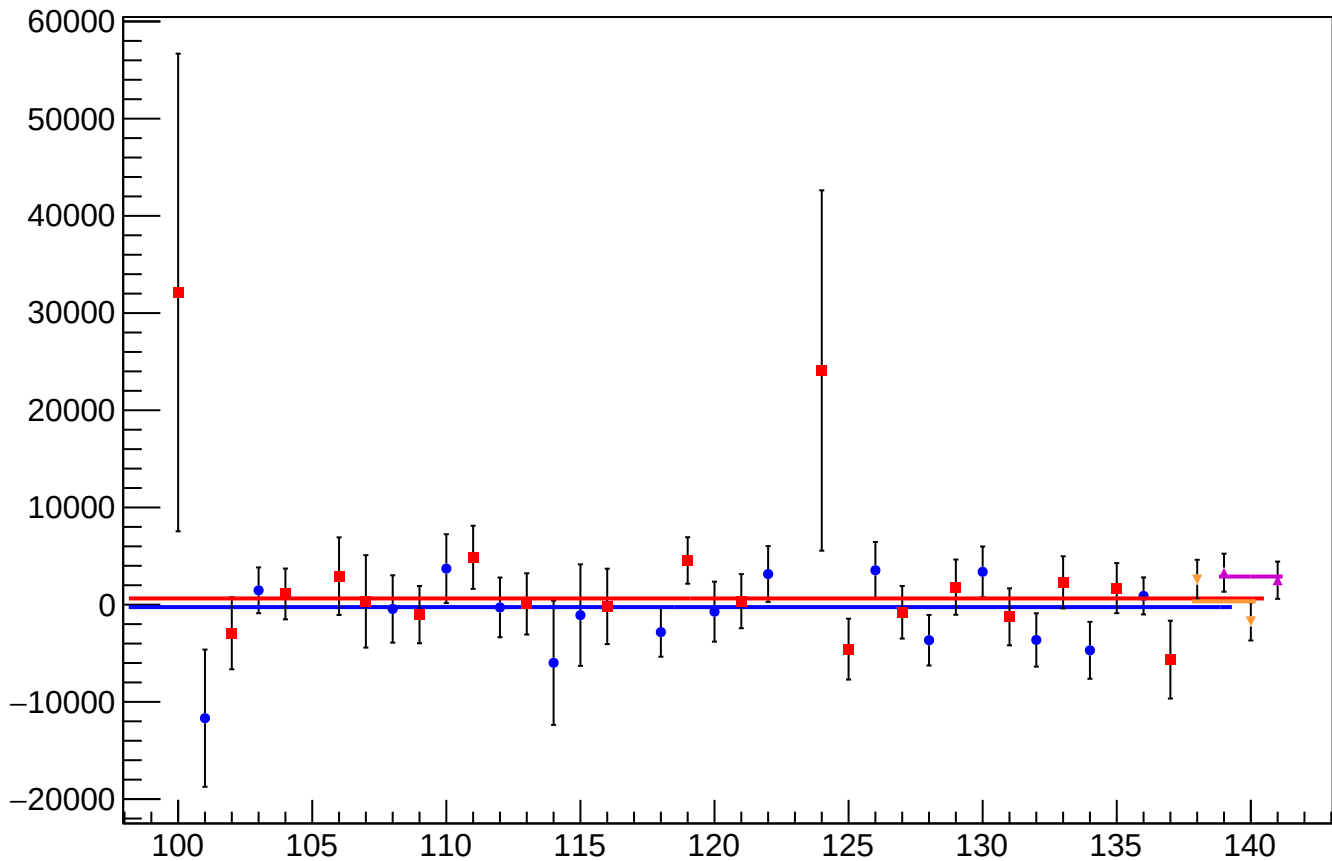
Left In: 427.566 $\pm$ 0.233 χ^2 /NDF: 67634.1/1

+ sign 548.417 $\pm$ 0.143 χ^2 /NDF: 2692742.6/17

All: 541.229 $\pm$ 0.101 χ^2 /NDF: 6028302.6/38

- sign 534.171 $\pm$ 0.142 χ^2 /NDF: 3330557.9/20

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487 ± 735.112 χ^2/NDF : 17.2/15

Left Out: 346.904 ± 1412.393 χ^2/NDF : 2.3/1

Right Out: 640.865 ± 736.549 χ^2/NDF : 16.0/18

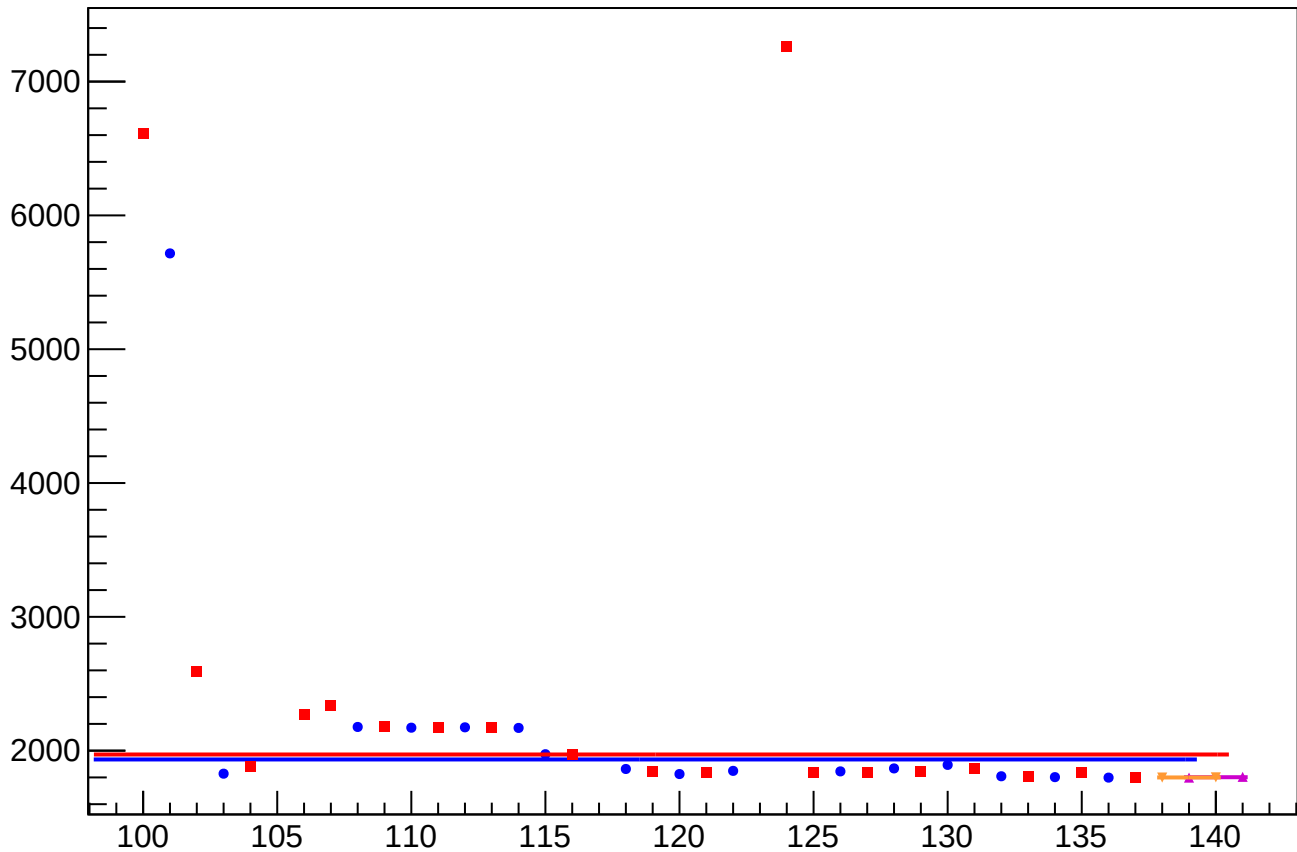
Left In: 2894.450 ± 1369.039 χ^2/NDF : 0.1/1

+ sign -123.153 ± 652.077 χ^2/NDF : 19.7/17

All: 515.154 ± 459.866 χ^2/NDF : 39.8/38

- sign 1146.737 ± 648.634 χ^2/NDF : 18.1/20

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF : 639919.9/15

Left Out: 1799.768+/-0.999 χ^2/NDF : 0.5/1

Right Out: 1971.357+/-0.521 χ^2/NDF : 383176.6/18

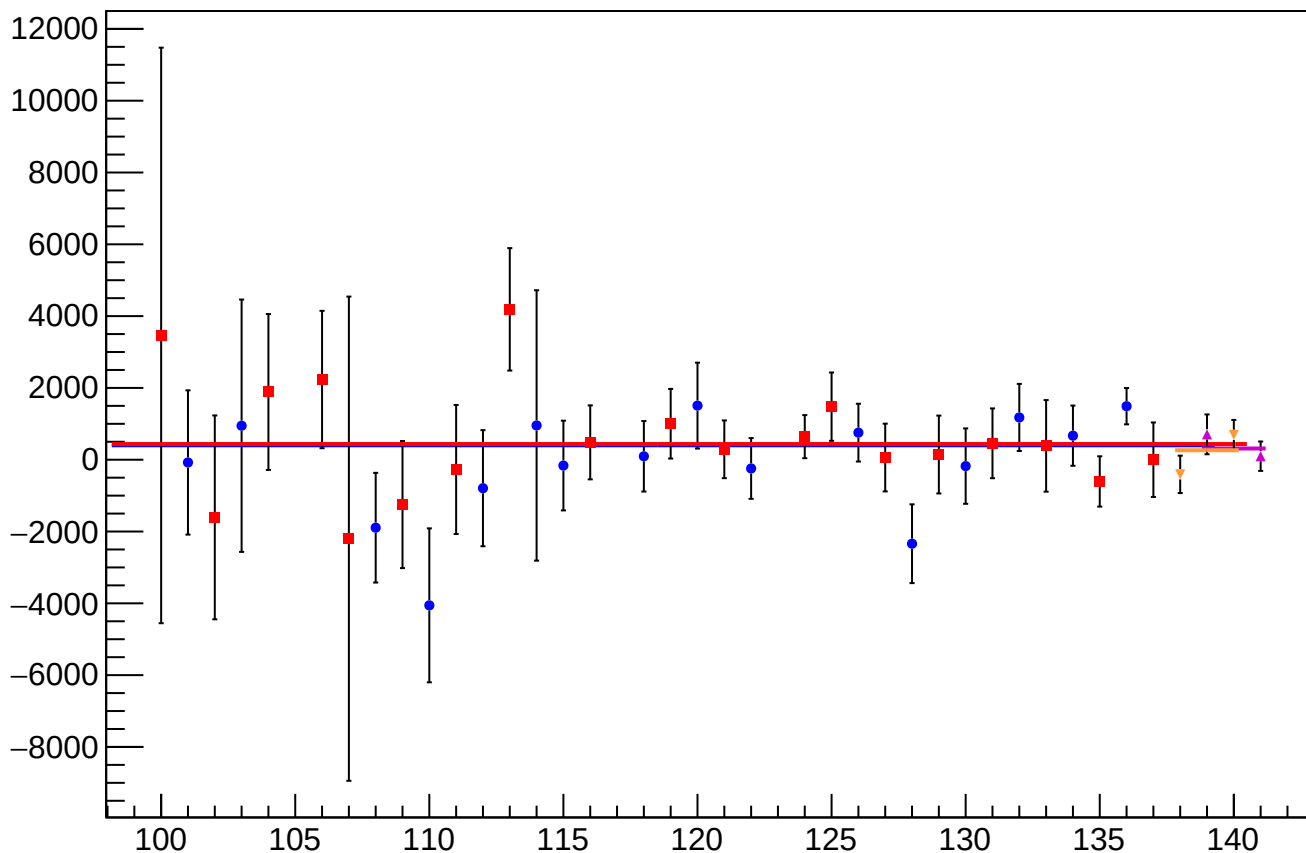
Left In: 1801.639+/-0.968 χ^2/NDF : 8.9/1

+ sign 1905.559+/-0.461 χ^2/NDF : 654180.6/17

All: 1919.482+/-0.325 χ^2/NDF : 1063017.1/38

- sign 1933.260+/-0.459 χ^2/NDF : 407022.3/20

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF : 21.1/15

Left Out: 264.213+/-324.974 χ^2/NDF : 2.7/1

Right Out: 436.691+/-252.672 χ^2/NDF : 12.4/18

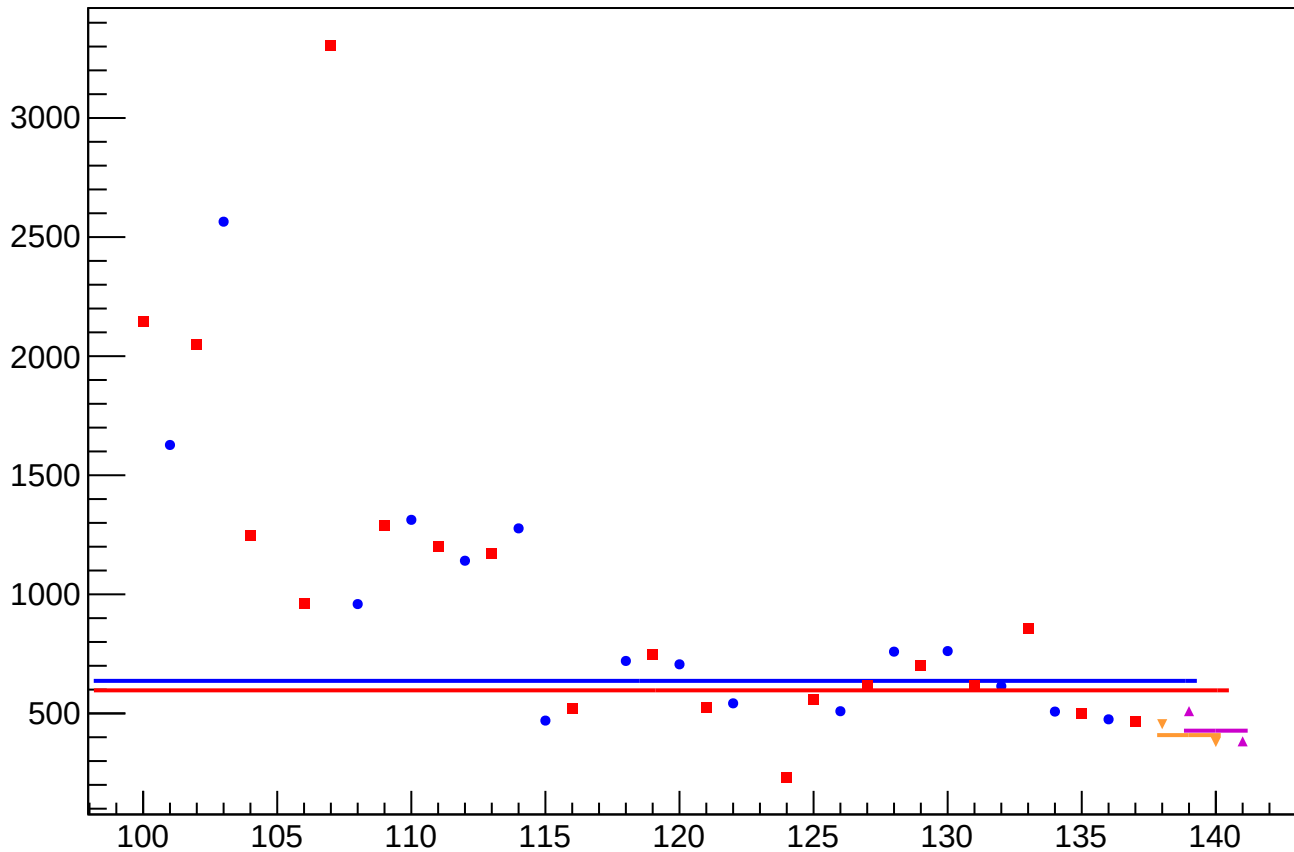
Left In: 313.115+/-329.491 χ^2/NDF : 0.8/1

+ sign 349.016+/-202.333 χ^2/NDF : 24.0/17

All: 370.164+/-142.420 χ^2/NDF : 37.2/38

- sign 390.931+/-200.504 χ^2/NDF : 13.2/20

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF : 2066022.1/15

Left Out: 408.962+/-0.230 χ^2/NDF : 25275.2/1

Right Out: 596.862+/-0.179 χ^2/NDF : 2930443.7/18

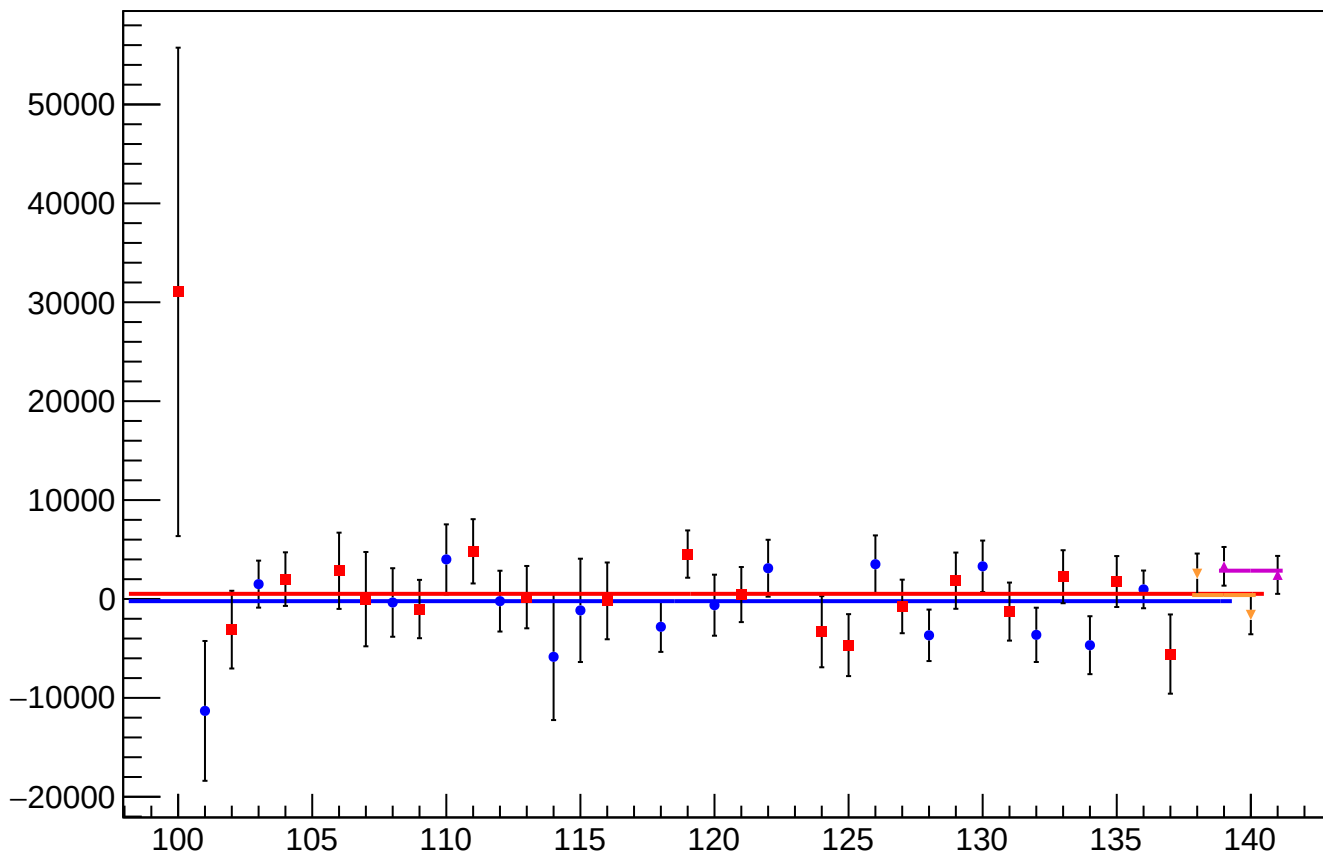
Left In: 427.566+/-0.233 χ^2/NDF : 67634.1/1

+ sign 548.417+/-0.143 χ^2/NDF : 2692742.6/17

All: 541.229+/-0.101 χ^2/NDF : 6028302.6/38

- sign 534.171+/-0.142 χ^2/NDF : 3330557.9/20

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF : 17.1/15

Left Out: 396.174+/-1412.831 χ^2/NDF : 2.2/1

Right Out: 520.265+/-724.980 χ^2/NDF : 15.6/18

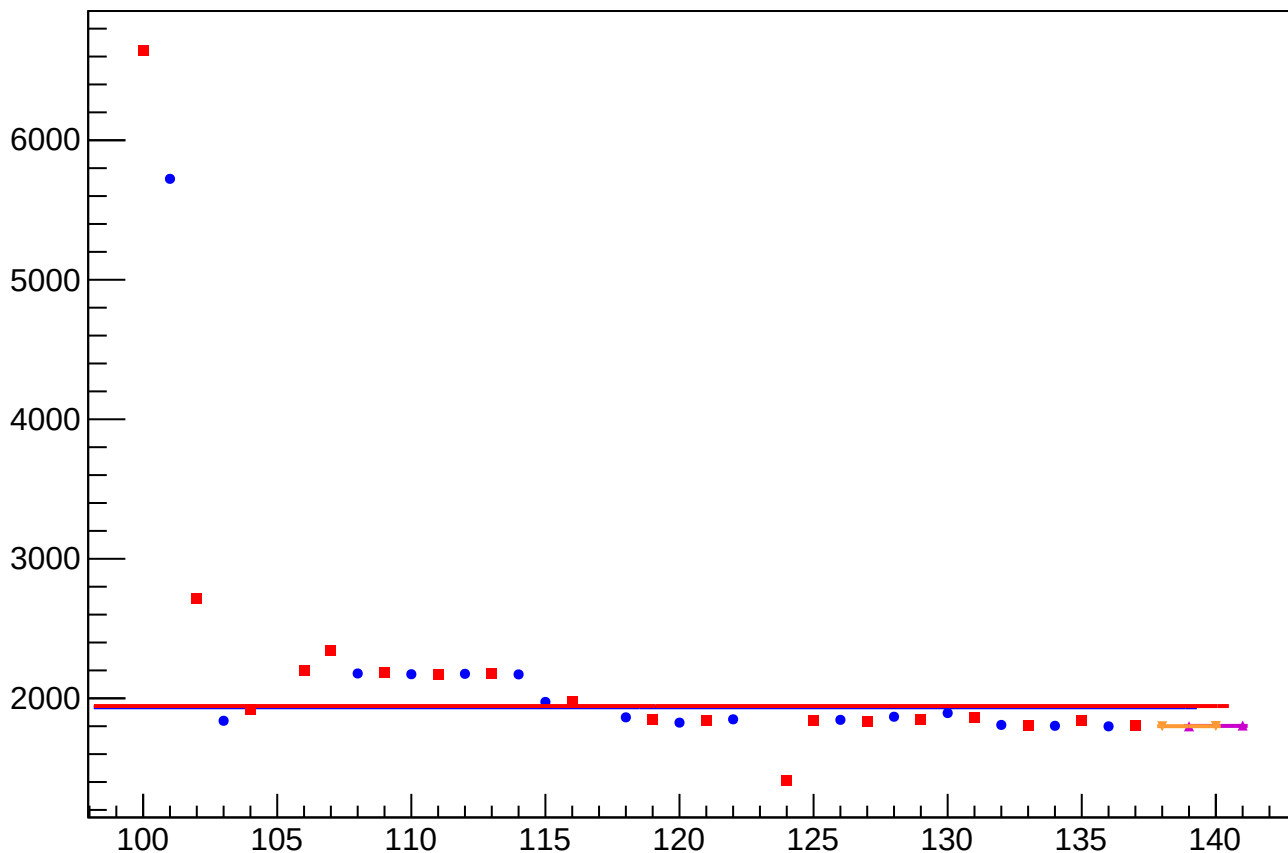
Left In: 2861.193+/-1369.454 χ^2/NDF : 0.1/1

+ sign -88.817+/-652.662 χ^2/NDF : 19.4/17

All: 482.290+/-457.226 χ^2/NDF : 38.9/38

- sign 1032.711+/-640.733 χ^2/NDF : 18.0/20

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1800.326 $\pm$ 0.999 χ^2 /NDF: 0.7/1

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.6/18

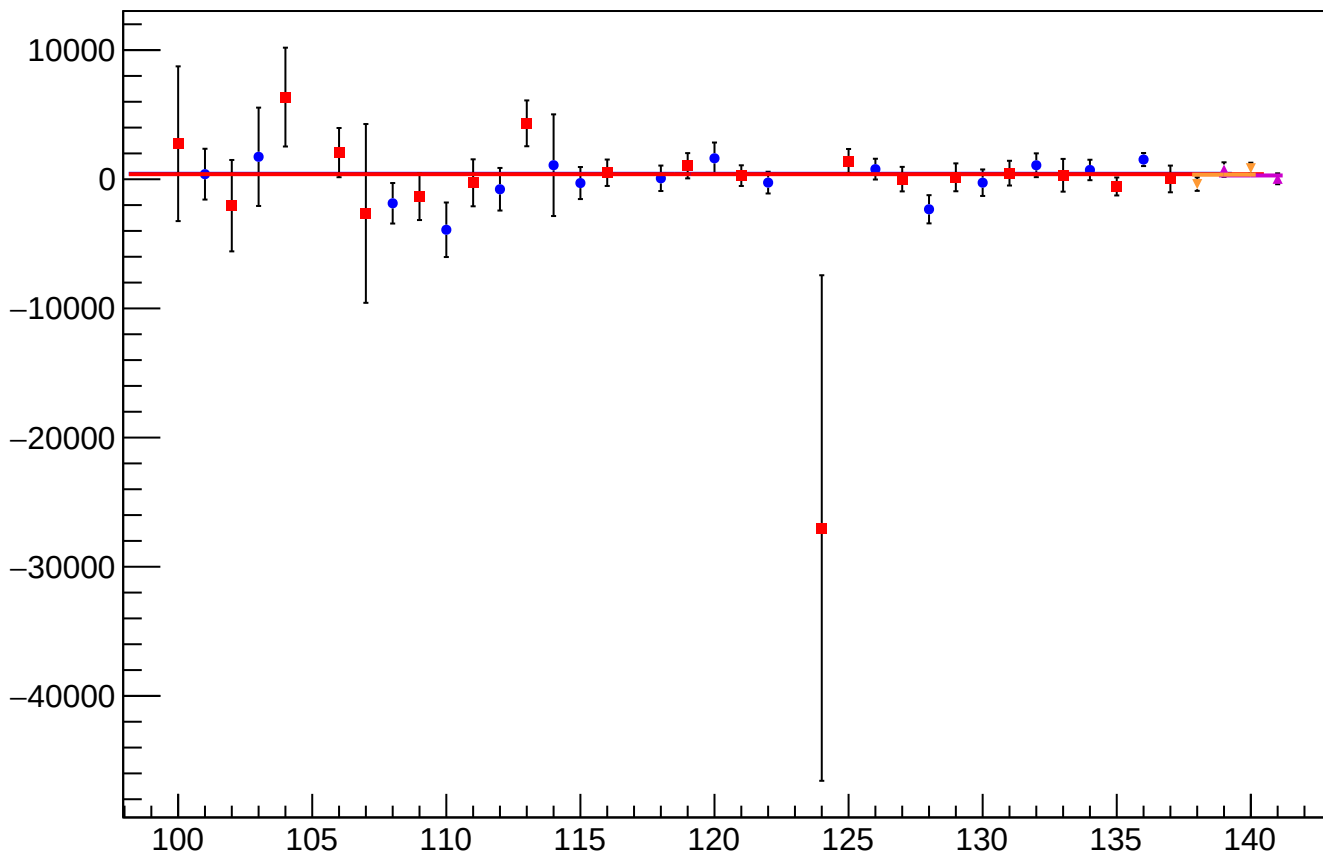
Left In: 1802.185 $\pm$ 0.968 χ^2 /NDF: 8.7/1

+ sign 1907.027 $\pm$ 0.462 χ^2 /NDF: 654310.7/17

All: 1910.243 $\pm$ 0.323 χ^2 /NDF: 947508.2/38

- sign 1913.342 $\pm$ 0.453 χ^2 /NDF: 293102.1/20

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

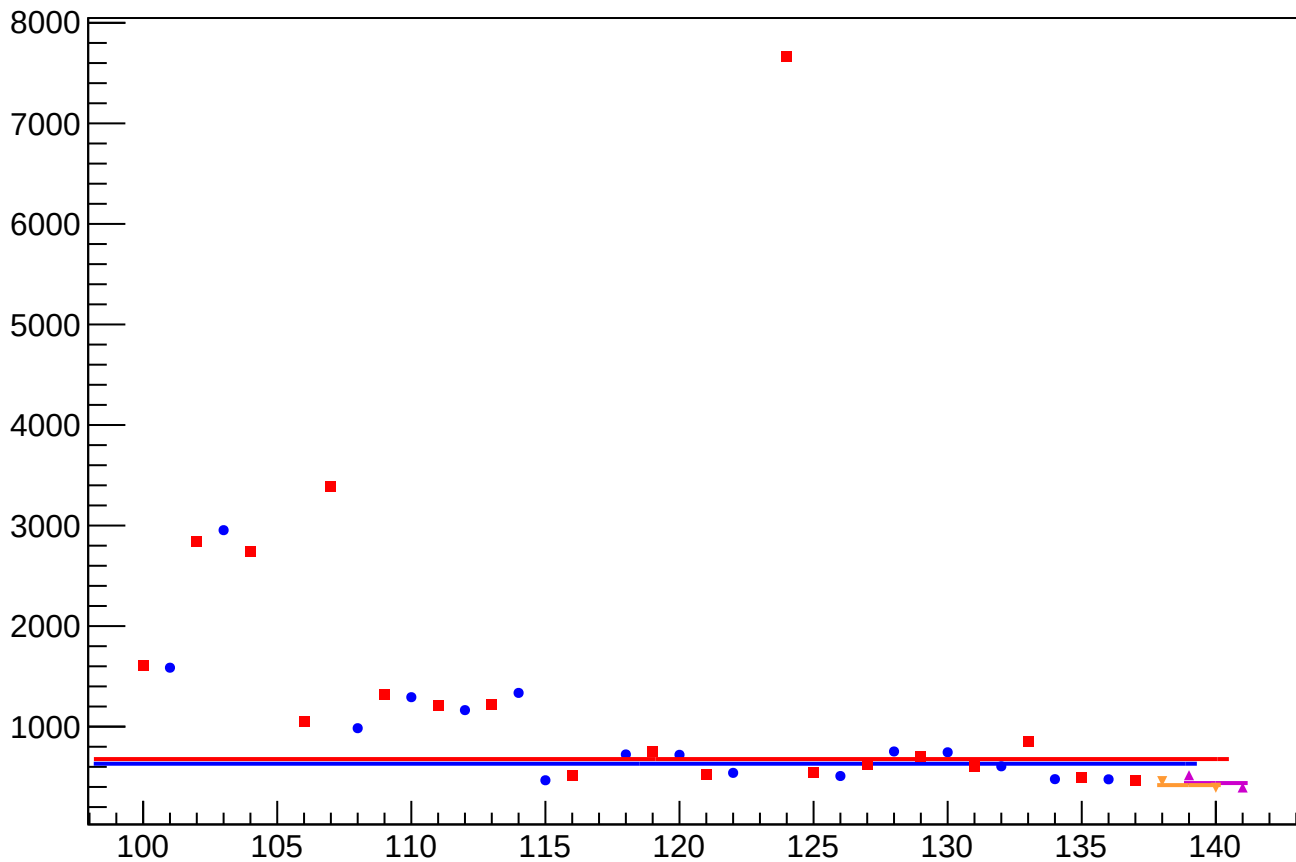
Left In: 293.891 $\pm$ 337.322 χ^2 /NDF: 1.0/1

+ sign 397.927 $\pm$ 203.055 χ^2 /NDF: 24.8/17

All: 376.770 $\pm$ 147.704 χ^2 /NDF: 41.8/38

- sign 352.995 $\pm$ 215.248 χ^2 /NDF: 16.9/20

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF : 2234480.1/15

Left Out: 418.452+/-0.235 χ^2/NDF : 18959.9/1

Right Out: 677.438+/-0.198 χ^2/NDF : 3081569.8/18

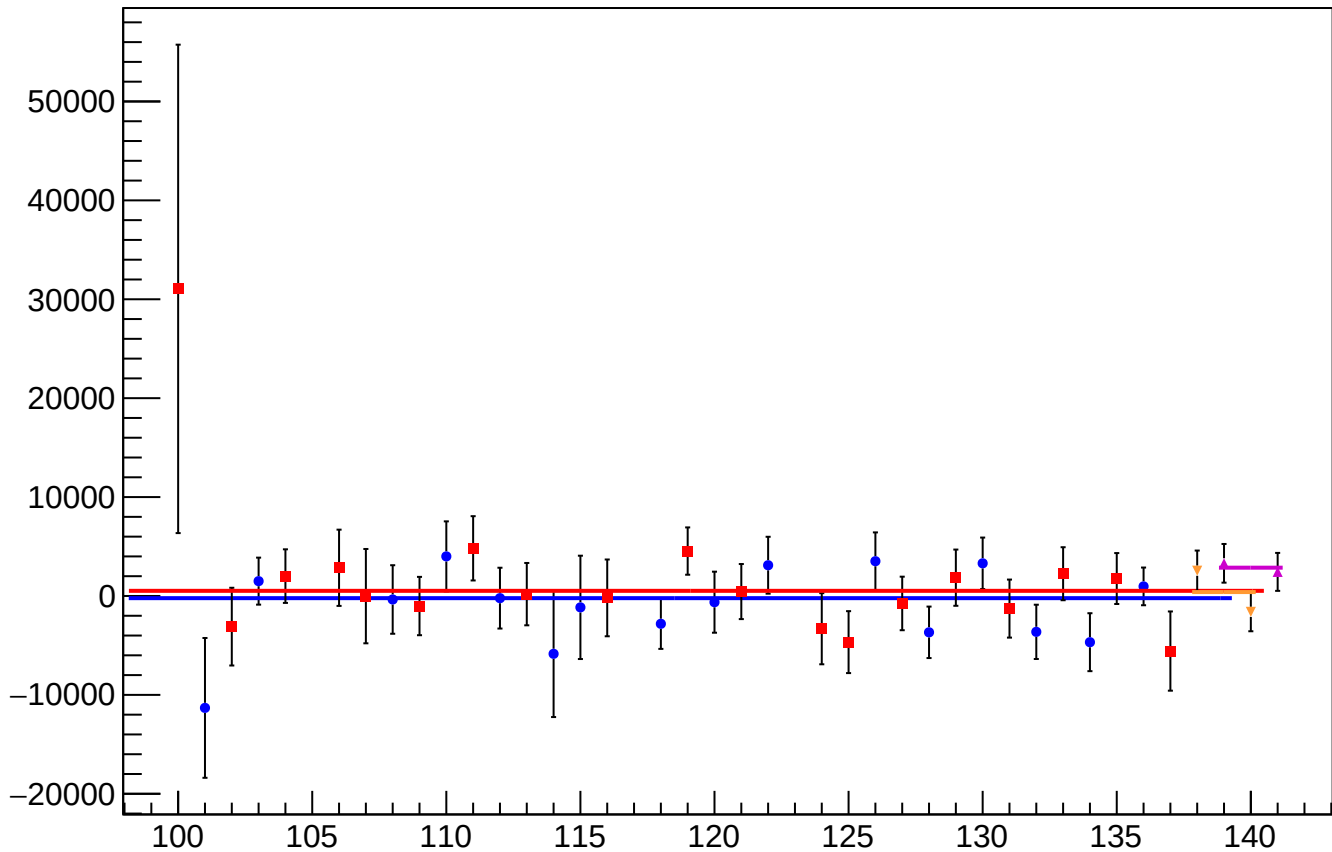
Left In: 438.801+/-0.239 χ^2/NDF : 60318.1/1

+ sign 551.482+/-0.144 χ^2/NDF : 2767461.7/17

All: 565.037+/-0.104 χ^2/NDF : 6521659.6/38

- sign 580.269+/-0.152 χ^2/NDF : 3735270.1/20

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393 ± 735.888 χ^2/NDF : 17.1/15

Left Out: 396.175 ± 1412.831 χ^2/NDF : 2.2/1

Right Out: 520.265 ± 724.980 χ^2/NDF : 15.6/18

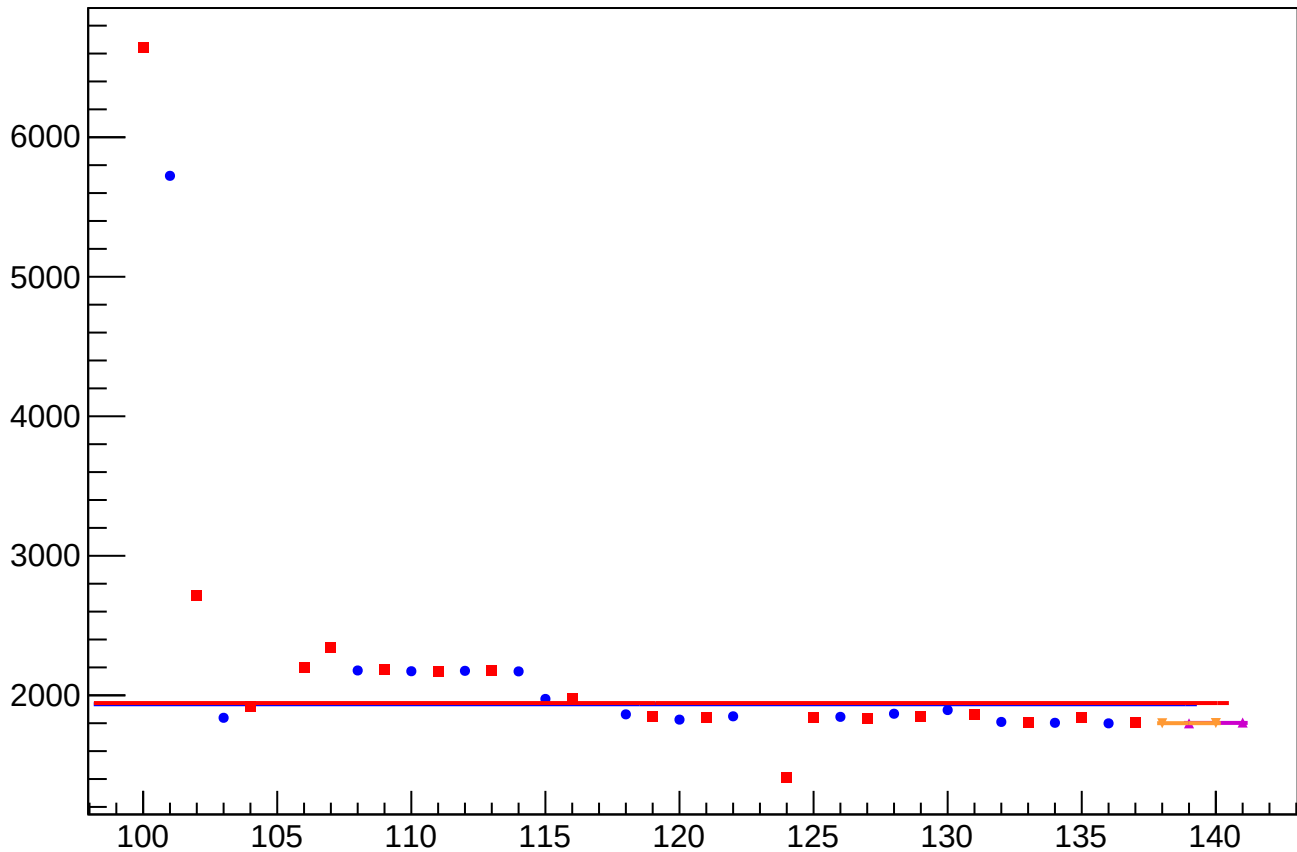
Left In: 2861.193 ± 1369.454 χ^2/NDF : 0.1/1

+ sign -88.817 ± 652.662 χ^2/NDF : 19.4/17

All: 482.290 ± 457.226 χ^2/NDF : 38.9/38

- sign 1032.711 ± 640.733 χ^2/NDF : 18.0/20

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1800.326 $\pm$ 0.999 χ^2 /NDF: 0.7/1

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.5/18

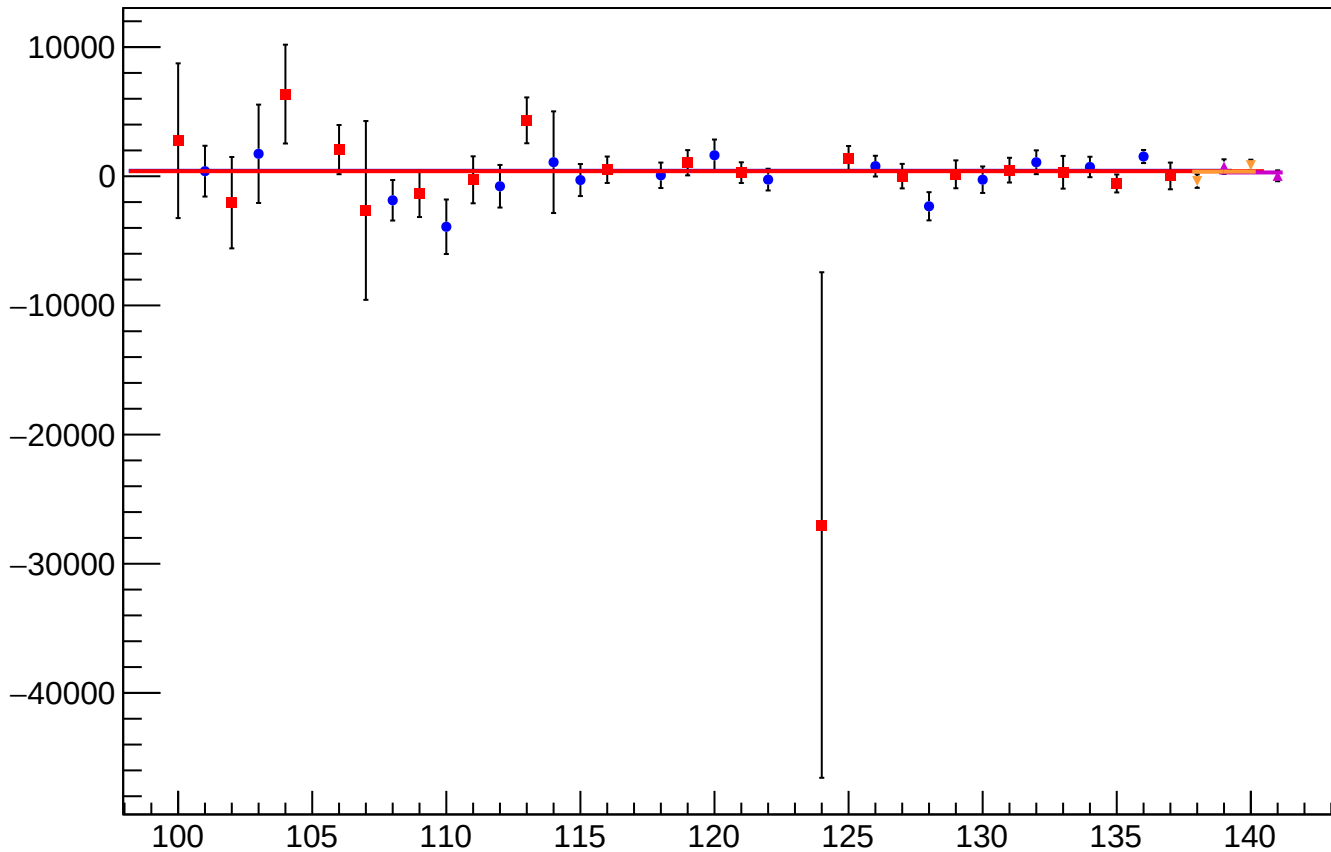
Left In: 1802.185 $\pm$ 0.968 χ^2 /NDF: 8.7/1

+ sign 1907.027 $\pm$ 0.462 χ^2 /NDF: 654310.8/17

All: 1910.243 $\pm$ 0.323 χ^2 /NDF: 947508.0/38

- sign 1913.342 $\pm$ 0.453 χ^2 /NDF: 293101.9/20

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 359.152 $\pm$ 331.795 χ^2 /NDF:3.3/1

Right Out: 393.591 $\pm$ 279.562 χ^2 /NDF: 15.9/18

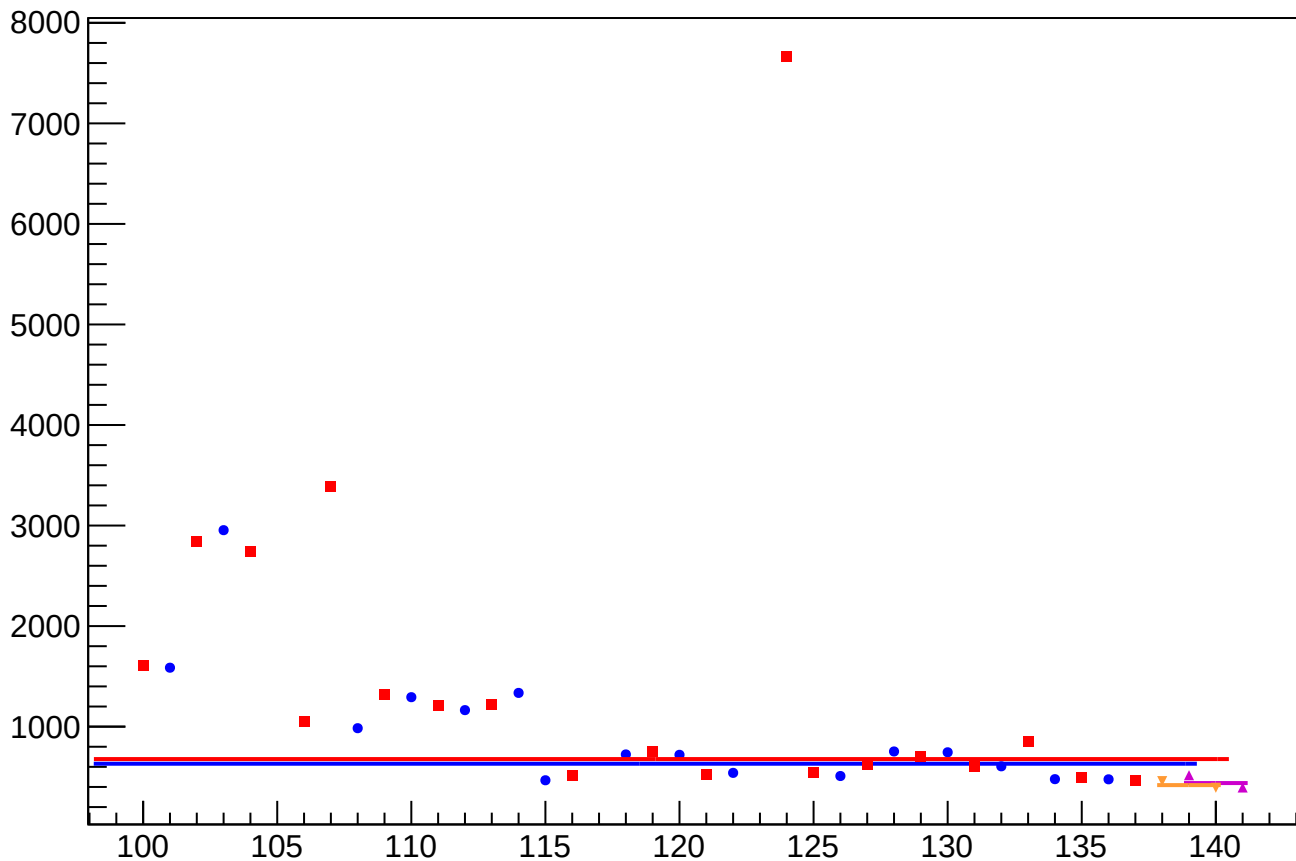
Left In: 293.891 $\pm$ 337.321 χ^2 /NDF:1.0/1

+ sign 397.926 $\pm$ 203.055 χ^2 /NDF: 24.8/17

All: 376.769 $\pm$ 147.704 χ^2 /NDF: 41.8/38

- sign 352.995 $\pm$ 215.248 χ^2 /NDF: 16.9/20

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF : 2234479.1/15

Left Out: 418.451+/-0.235 χ^2/NDF : 18959.7/1

Right Out: 677.437+/-0.198 χ^2/NDF : 3081570.5/18

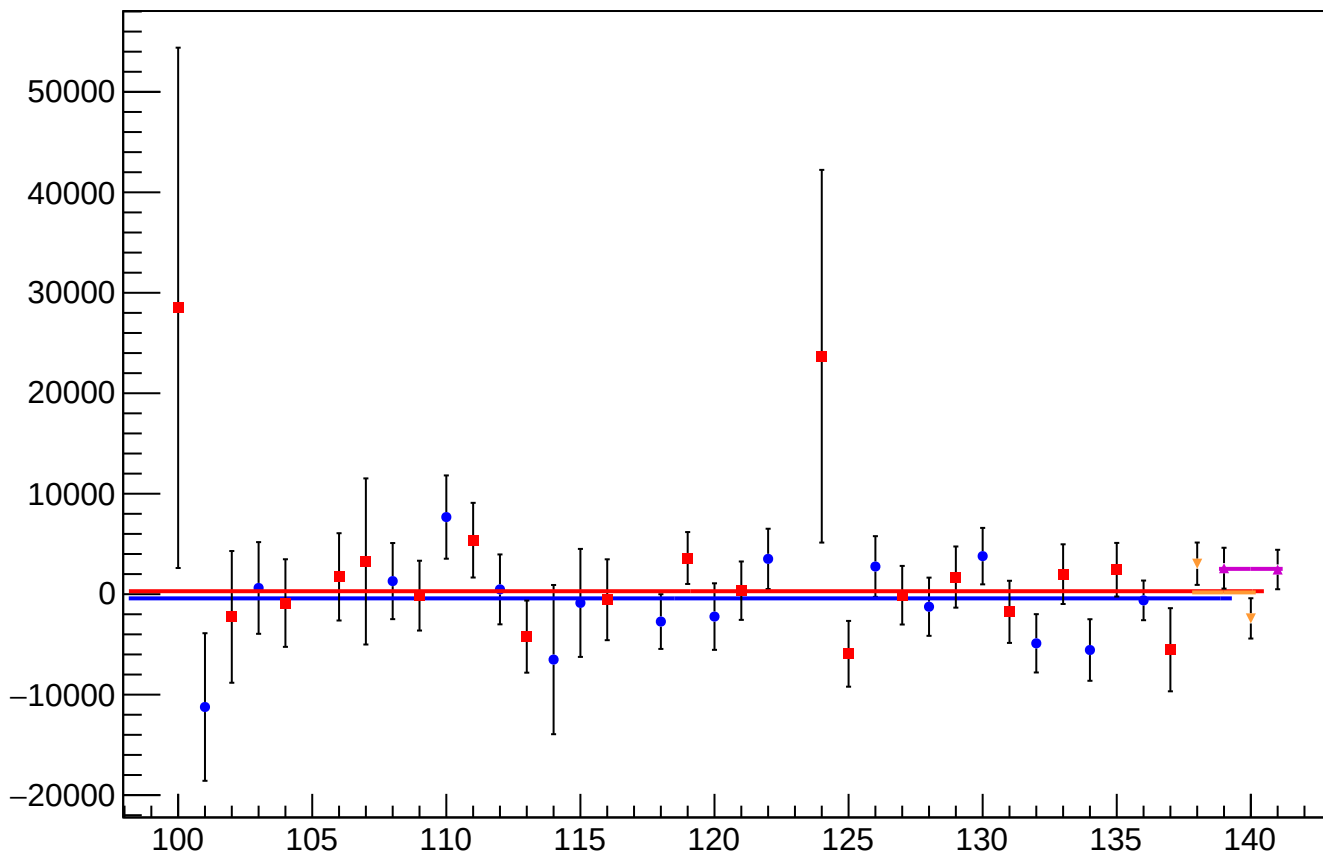
Left In: 438.801+/-0.239 χ^2/NDF : 60318.5/1

+ sign 551.481+/-0.144 χ^2/NDF : 2767466.1/17

All: 565.036+/-0.104 χ^2/NDF : 6521669.9/38

- sign 580.268+/-0.152 χ^2/NDF : 3735275.9/20

asym_at1_dd_mean vs Slug



Right In: -417.662 ± 815.370 χ^2/NDF : 18.3/15

Left Out: 177.251 ± 1453.049 χ^2/NDF : 3.5/1

Right Out: 294.527 ± 831.610 χ^2/NDF : 15.6/18

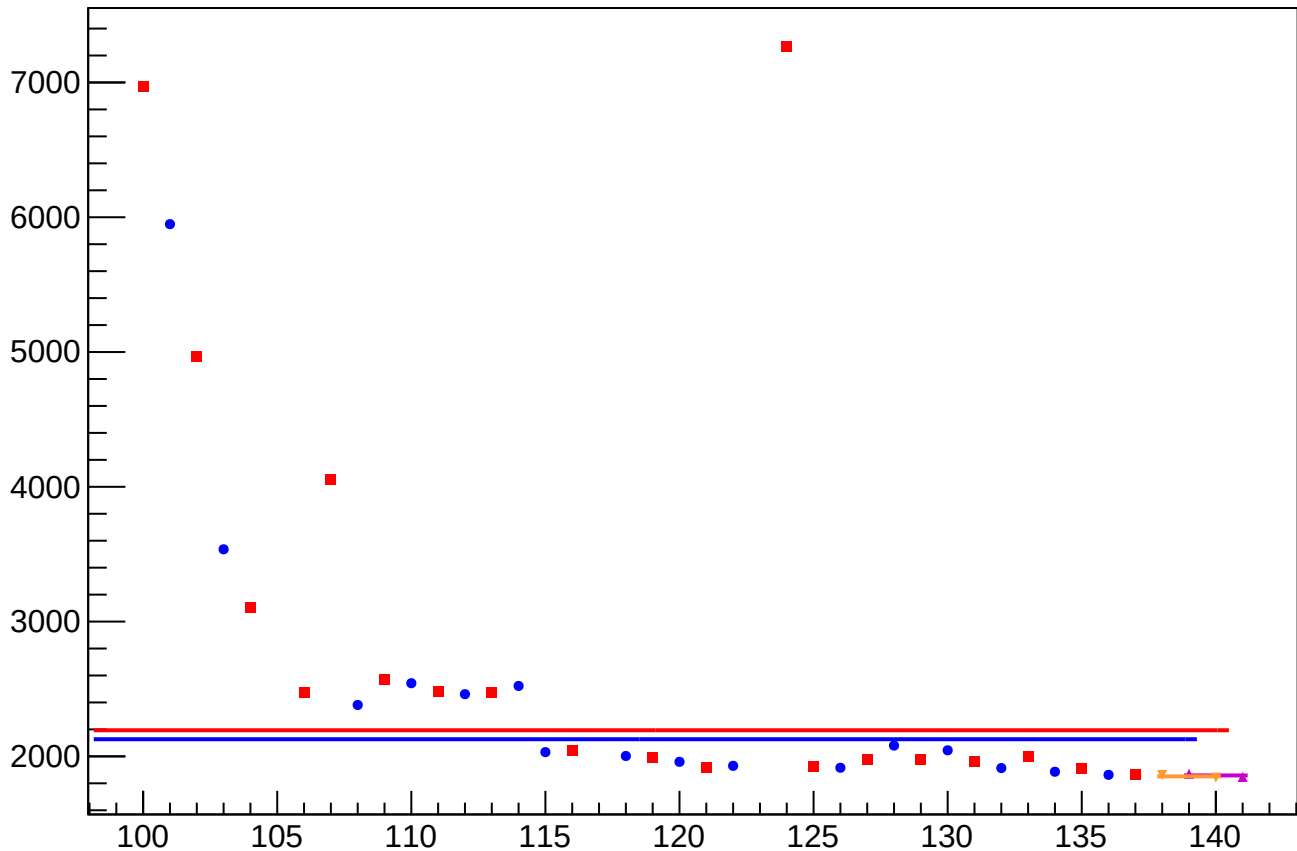
Left In: 2518.900 ± 1412.251 χ^2/NDF : 0.0/1

+ sign -275.194 ± 711.068 χ^2/NDF : 22.0/17

All: 291.596 ± 504.745 χ^2/NDF : 40.7/38

- sign 867.239 ± 716.599 χ^2/NDF : 17.5/20

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF : 875078.1/15

Left Out: 1851.524+/-1.027 χ^2/NDF : 87.9/1

Right Out: 2193.560+/-0.588 χ^2/NDF : 942581.2/18

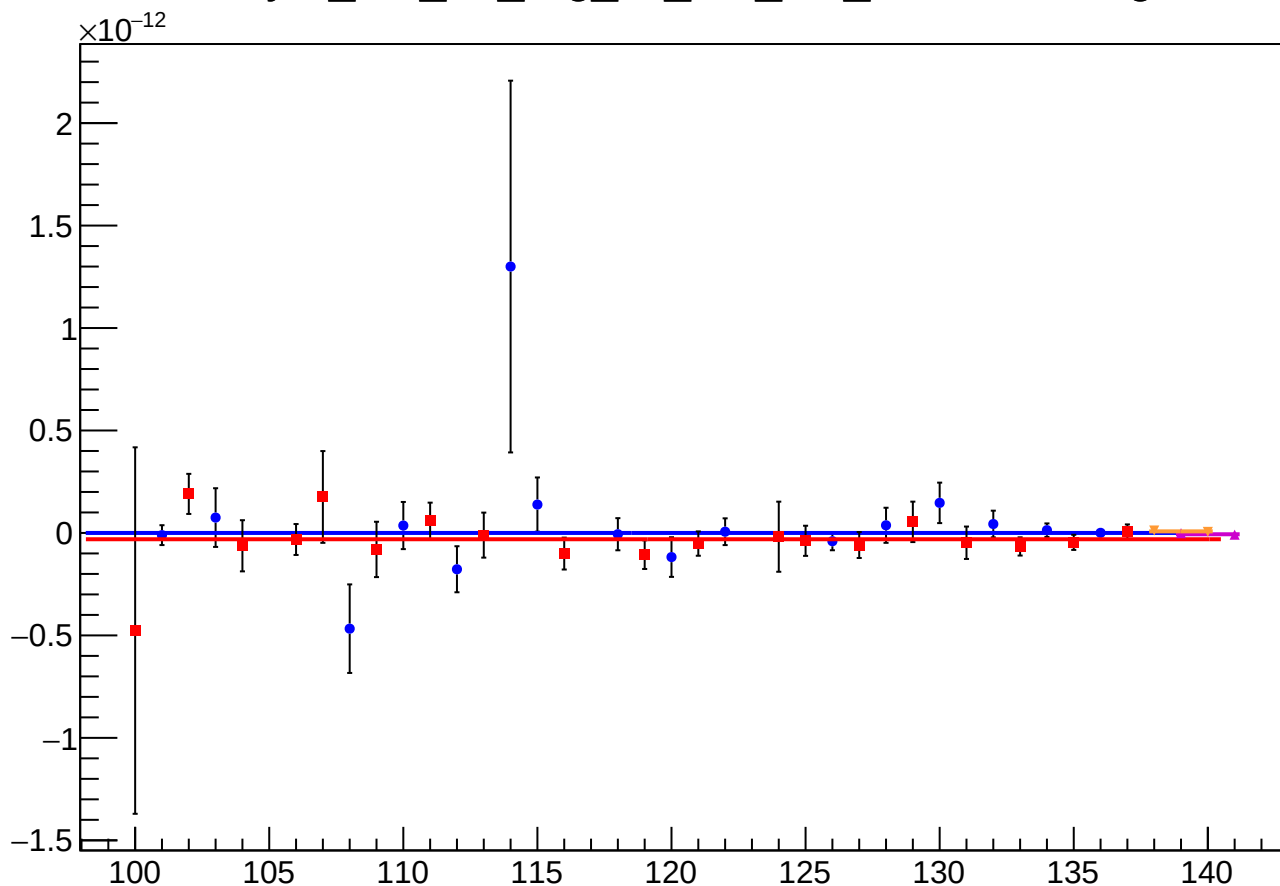
Left In: 1858.462+/-0.999 χ^2/NDF : 134.1/1

+ sign 2061.062+/-0.503 χ^2/NDF : 929852.6/17

All: 2083.993+/-0.357 χ^2/NDF : 1960371.2/38

- sign 2107.282+/-0.507 χ^2/NDF : 1026326.2/20

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

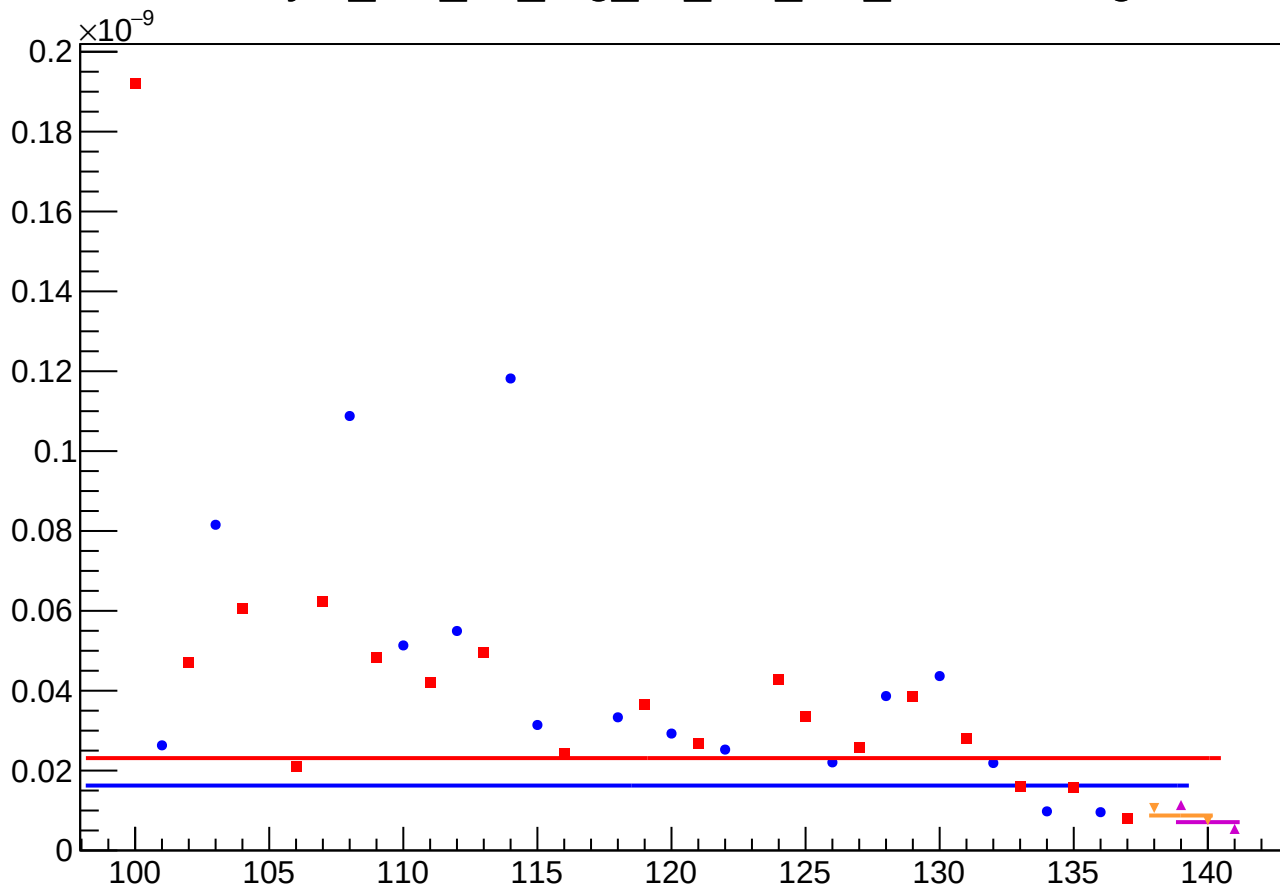
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 16.4/17

All: -0.000 ± 0.000 χ^2/NDF : 33.0/38

- sign -0.000 ± 0.000 χ^2/NDF : 14.3/20

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2286703.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 40332.1/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 1411720.5/18

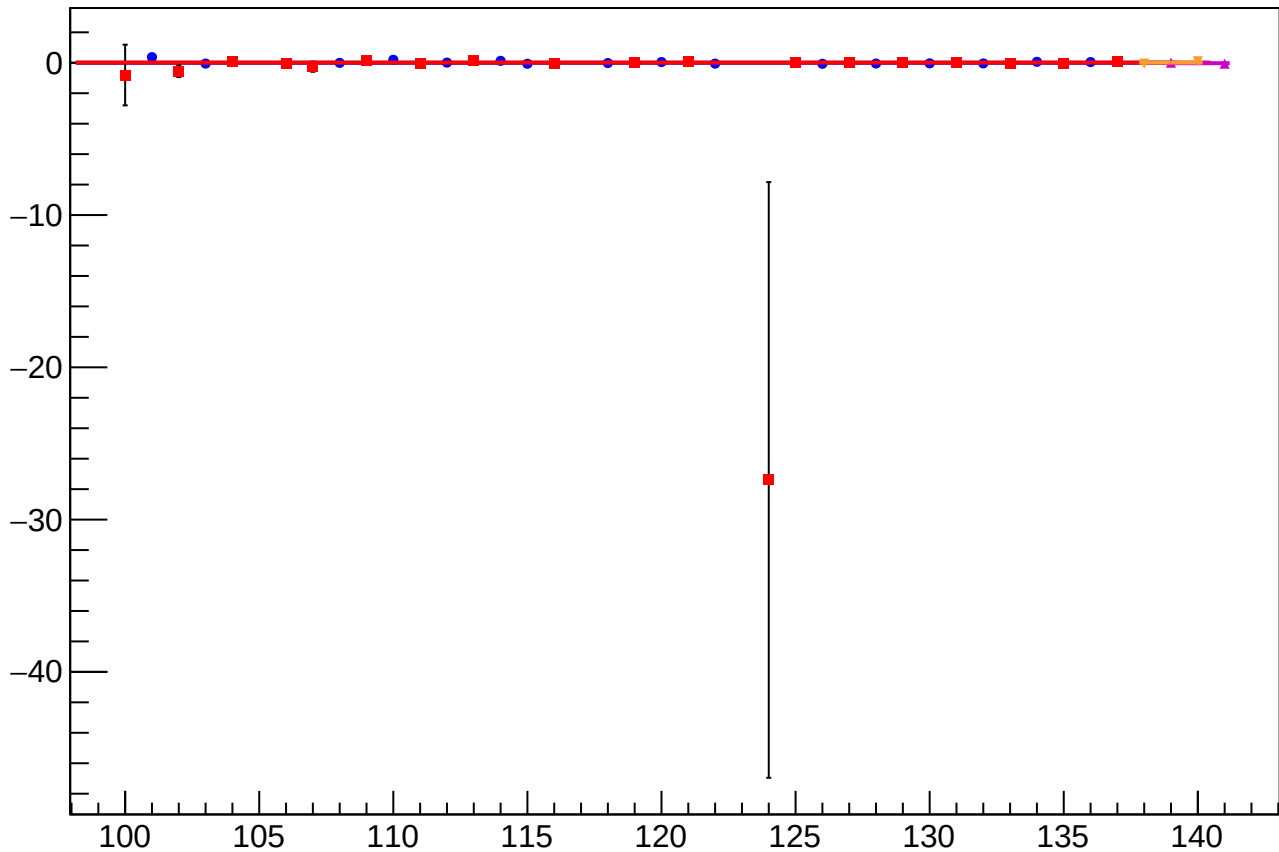
Left In: 0.000 ± 0.000 χ^2/NDF : 160347.5/1

+ sign 0.000 ± 0.000 χ^2/NDF : 2772092.9/17

All: 0.000 ± 0.000 χ^2/NDF : 5873938.8/38

- sign 0.000 ± 0.000 χ^2/NDF : 3094538.4/20

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 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

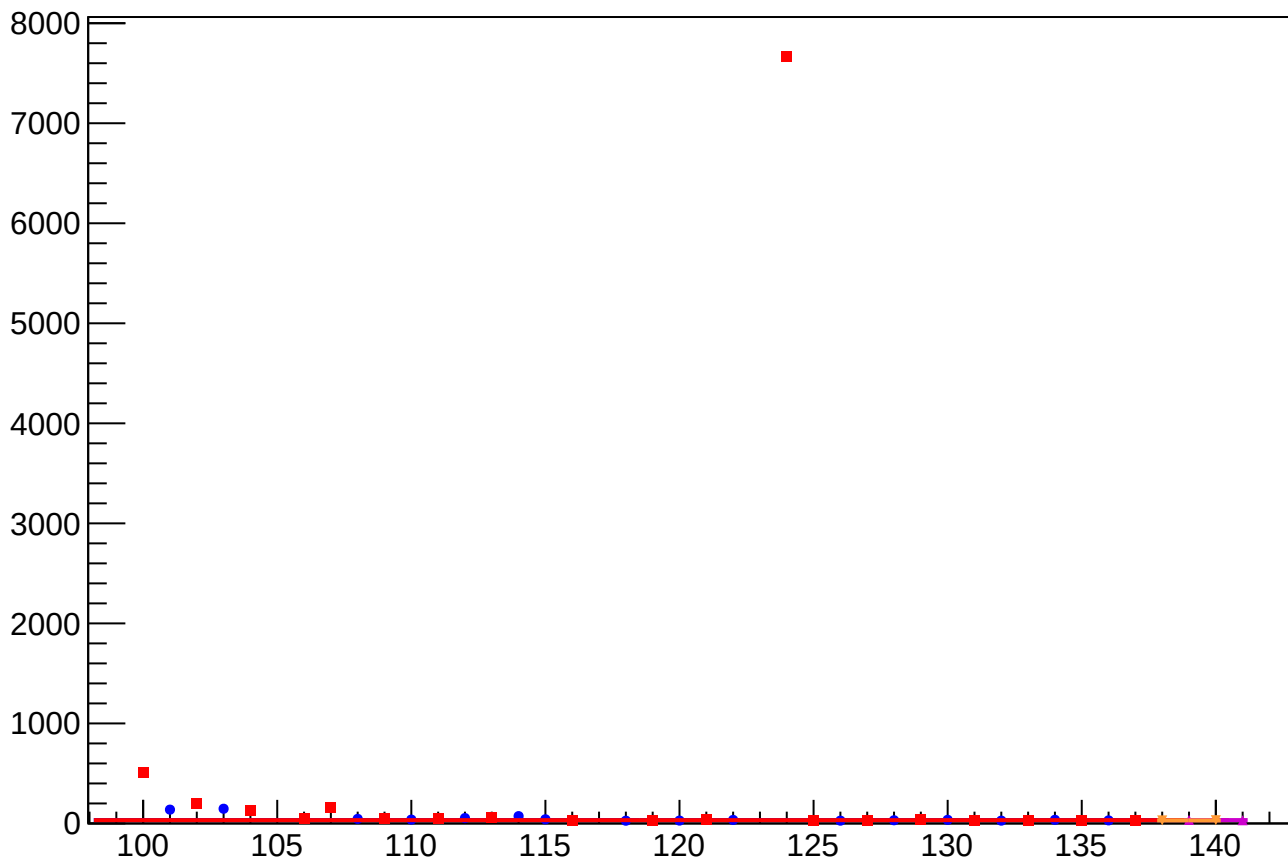
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF: 1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/38

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055 $\pm$ 0.010 χ^2 /NDF: 1717266.1/15

Left Out: 31.153 $\pm$ 0.019 χ^2 /NDF: 2433.5/1

Right Out: 33.084 $\pm$ 0.011 χ^2 /NDF: 2075124.6/18

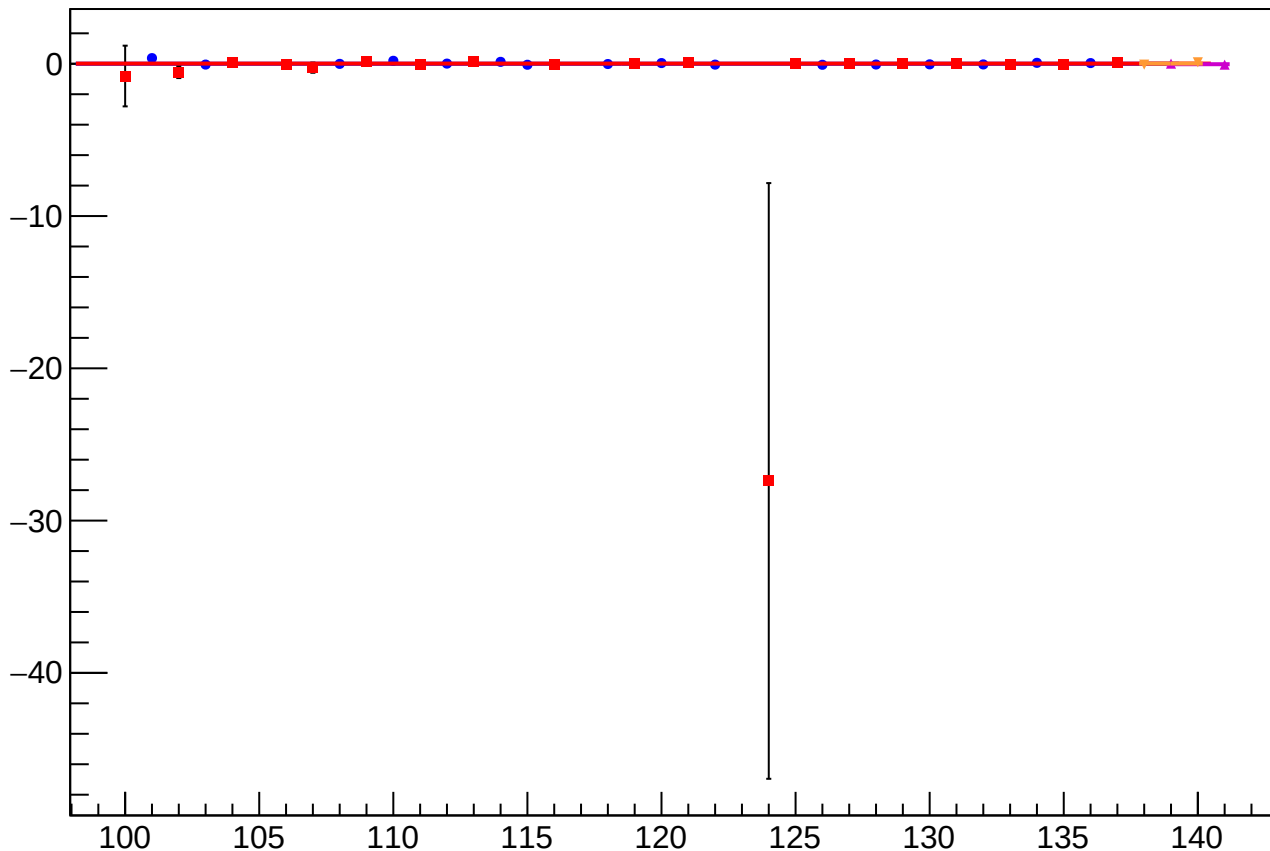
Left In: 33.865 $\pm$ 0.019 χ^2 /NDF: 9308.3/1

+ sign 33.380 $\pm$ 0.009 χ^2 /NDF: 1737700.3/17

All: 33.321 $\pm$ 0.006 χ^2 /NDF: 3823472.6/38

- sign 33.261 $\pm$ 0.009 χ^2 /NDF: 2085688.1/20

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.015 χ^2/NDF : 21.0/15

Left Out: 0.014 ± 0.027 χ^2/NDF : 8.1/1

Right Out: 0.012 ± 0.015 χ^2/NDF : 14.2/18

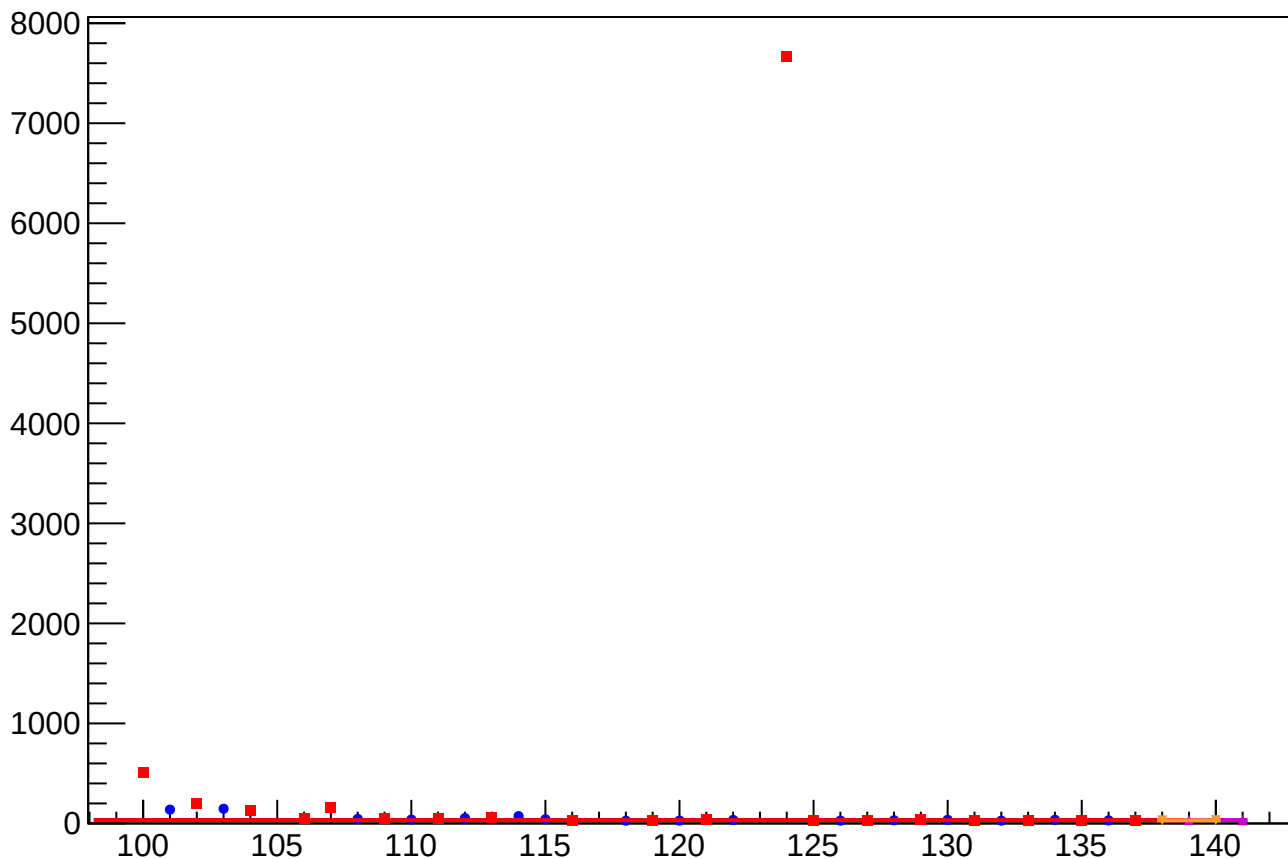
Left In: -0.029 ± 0.027 χ^2/NDF : 1.5/1

+ sign 0.005 ± 0.013 χ^2/NDF : 29.3/17

All: 0.004 ± 0.009 χ^2/NDF : 46.7/38

- sign 0.002 ± 0.013 χ^2/NDF : 17.4/20

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF : 1717266.1/15

Left Out: 31.153+/-0.019 χ^2/NDF : 2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF : 2075124.6/18

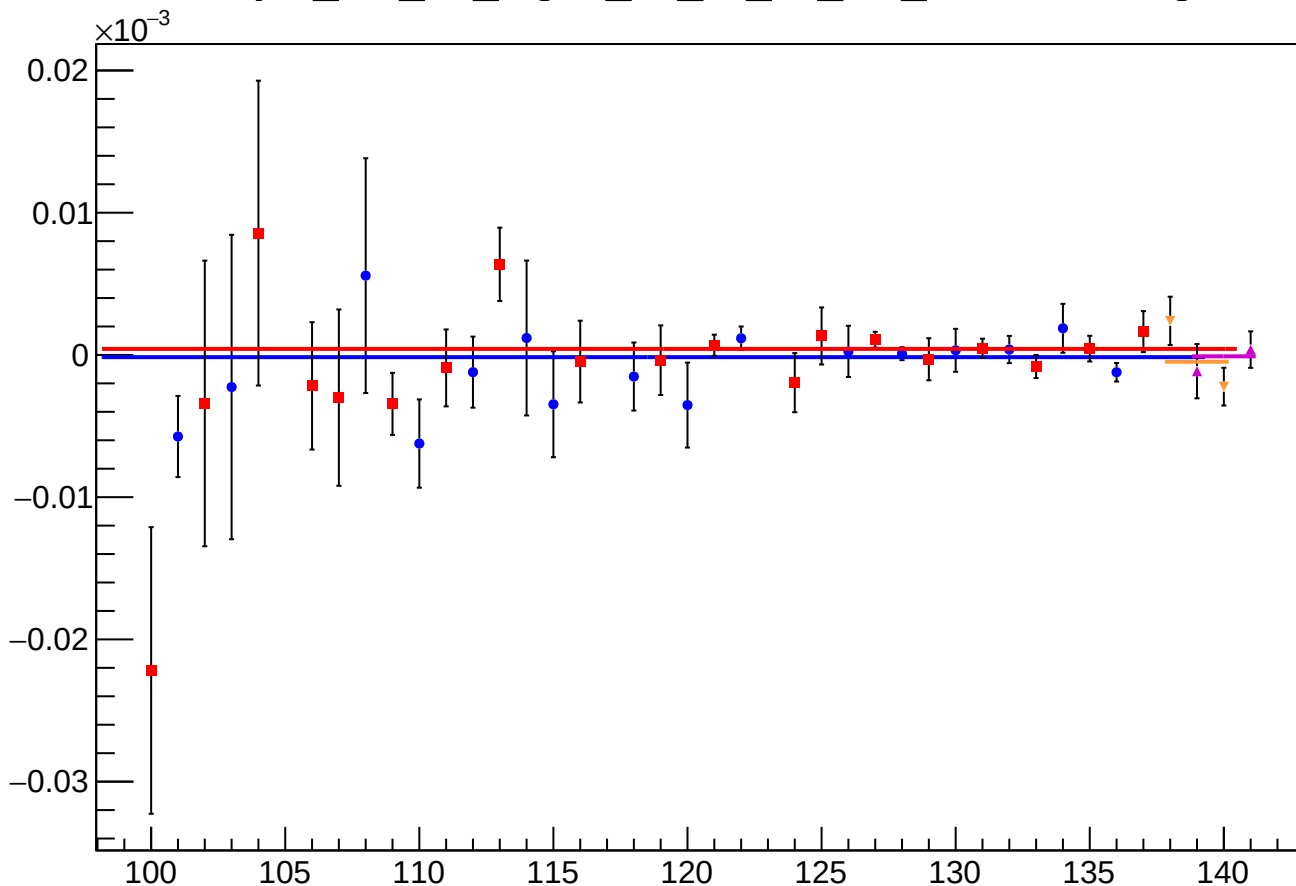
Left In: 33.865+/-0.019 χ^2/NDF : 9308.3/1

+ sign 33.380+/-0.009 χ^2/NDF : 1737700.3/17

All: 33.321+/-0.006 χ^2/NDF : 3823472.6/38

- sign 33.261+/-0.009 χ^2/NDF : 2085688.1/20

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

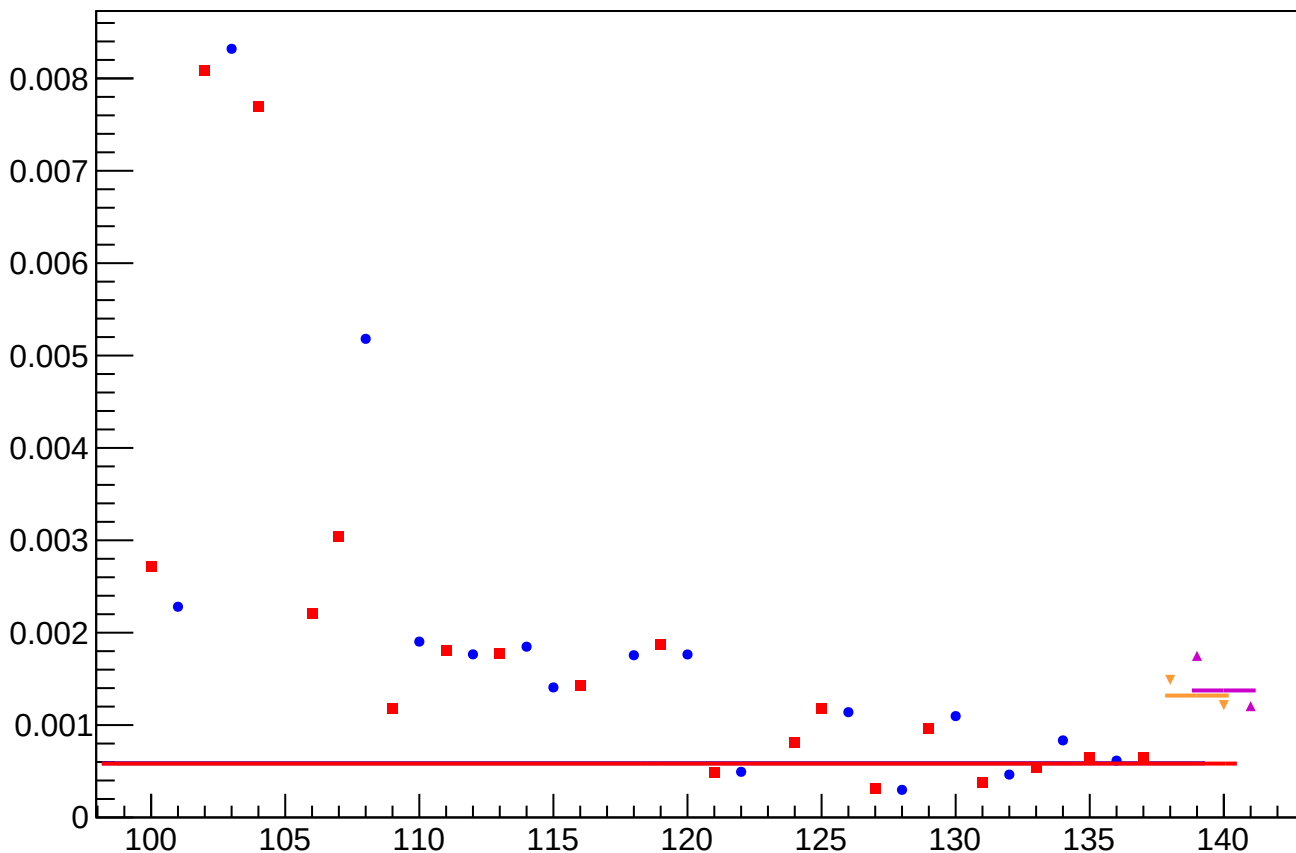
Left In: -0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.9/17

All: 0.000 ± 0.000 χ^2/NDF : 47.2/38

- sign 0.000 ± 0.000 χ^2/NDF : 22.2/20

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

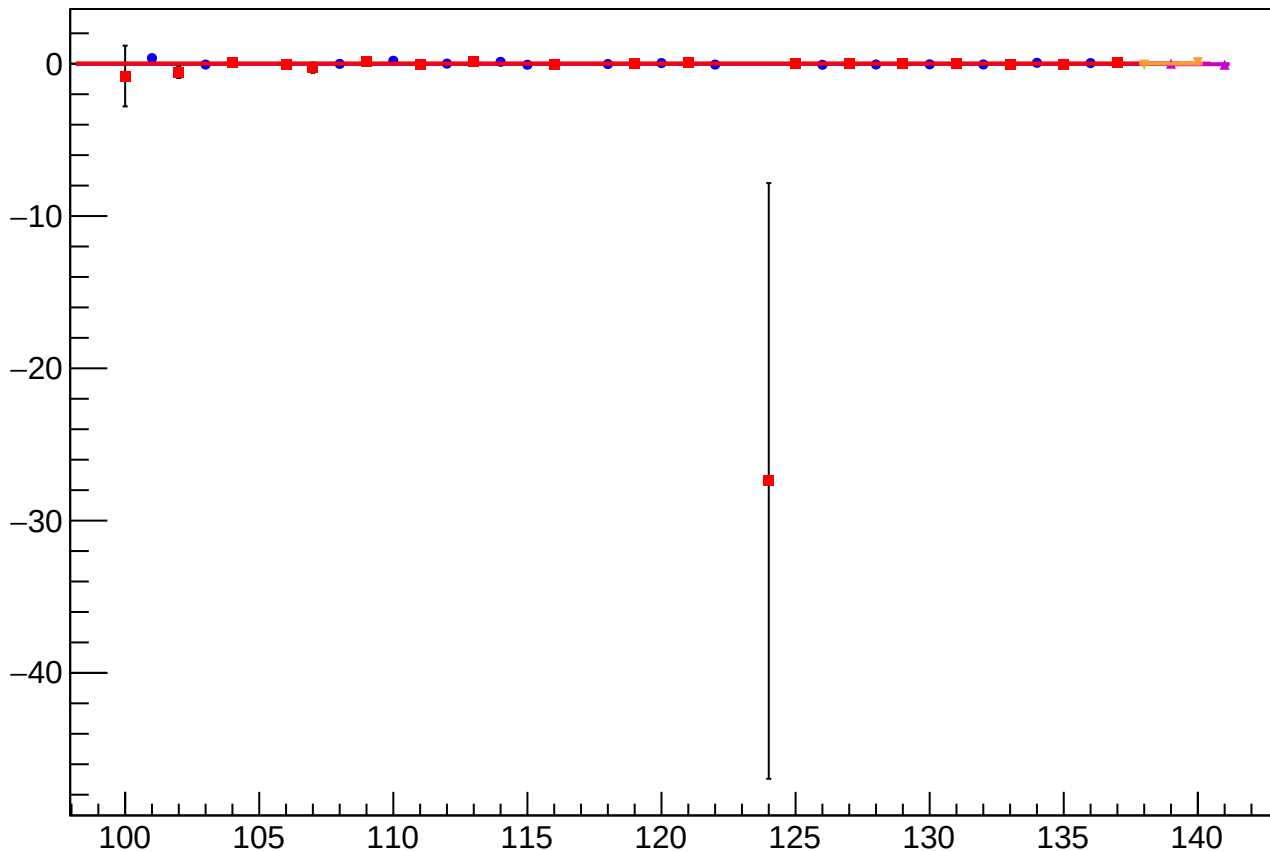
Left In: 0.001+/-0.000 χ^2/NDF : 112334.2/1

+ sign 0.001+/-0.000 χ^2/NDF : 6427798.4/17

All: 0.001+/-0.000 χ^2/NDF : 13003564.1/38

- sign 0.001+/-0.000 χ^2/NDF : 6575542.2/20

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

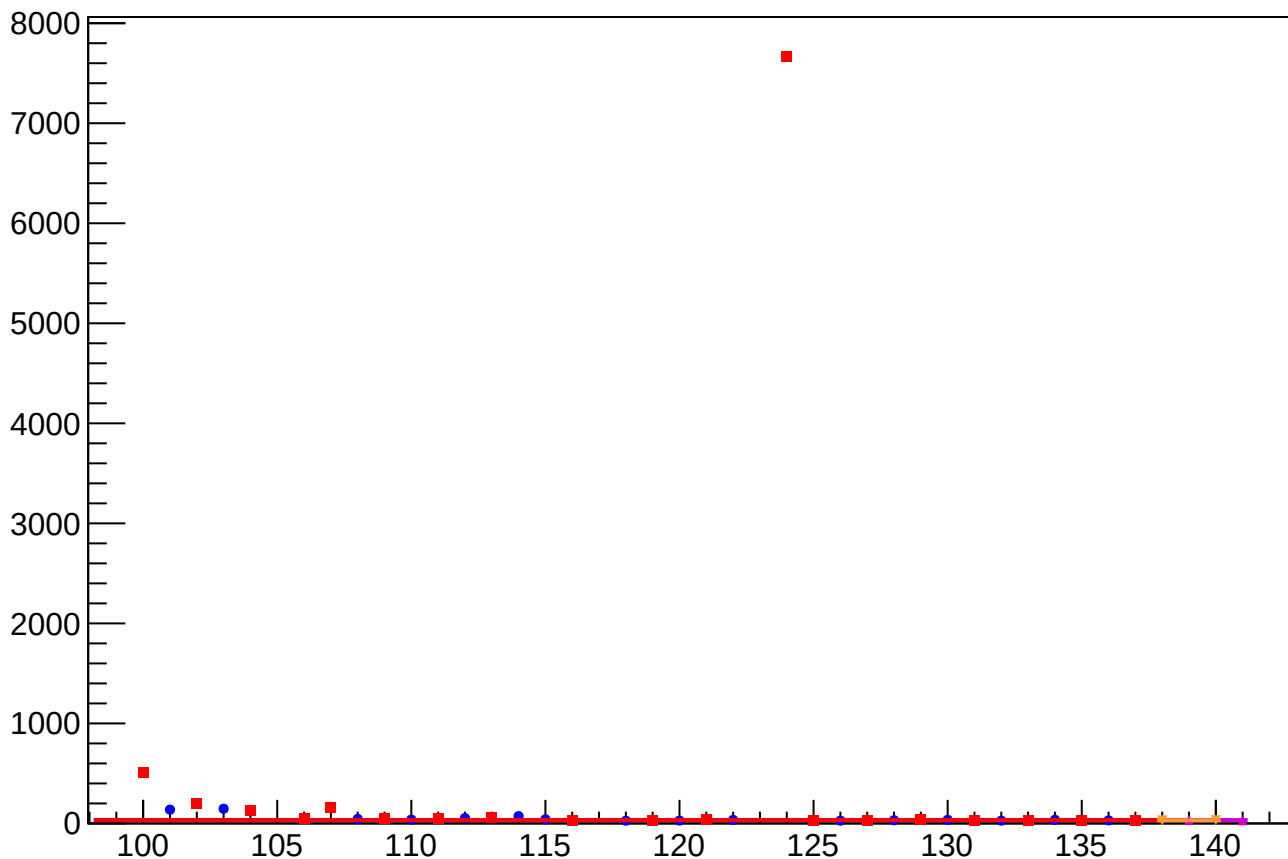
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF: 1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/38

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

asym_at1_dd_eigen_dit_vs_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

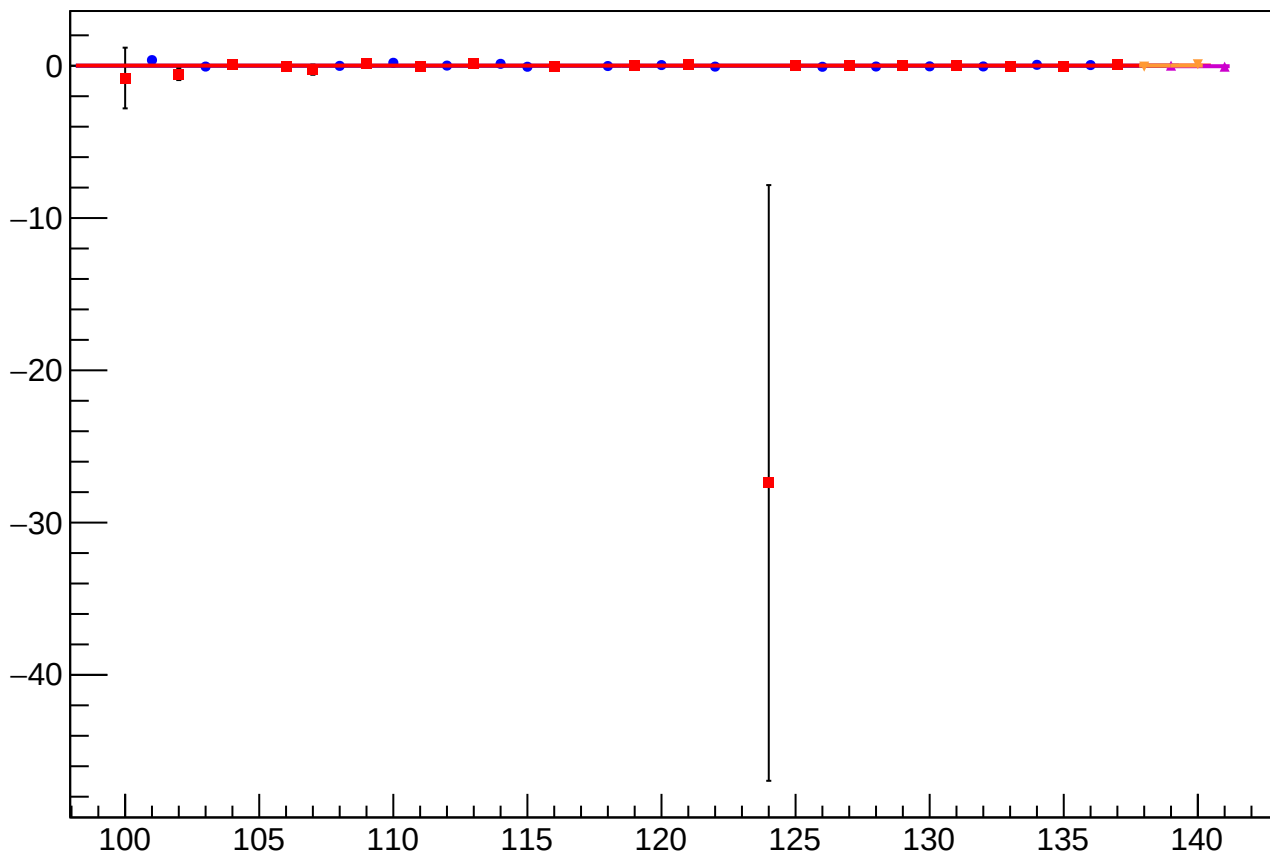
Left In: 33.865 $\pm$ 0.019 χ^2 /NDF: 9308.0/1

+ sign 33.380 $\pm$ 0.009 χ^2 /NDF: 1737695.0/17

All: 33.321 $\pm$ 0.006 χ^2 /NDF: 3823448.9/38

- sign 33.261 $\pm$ 0.009 χ^2 /NDF: 2085669.8/20

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

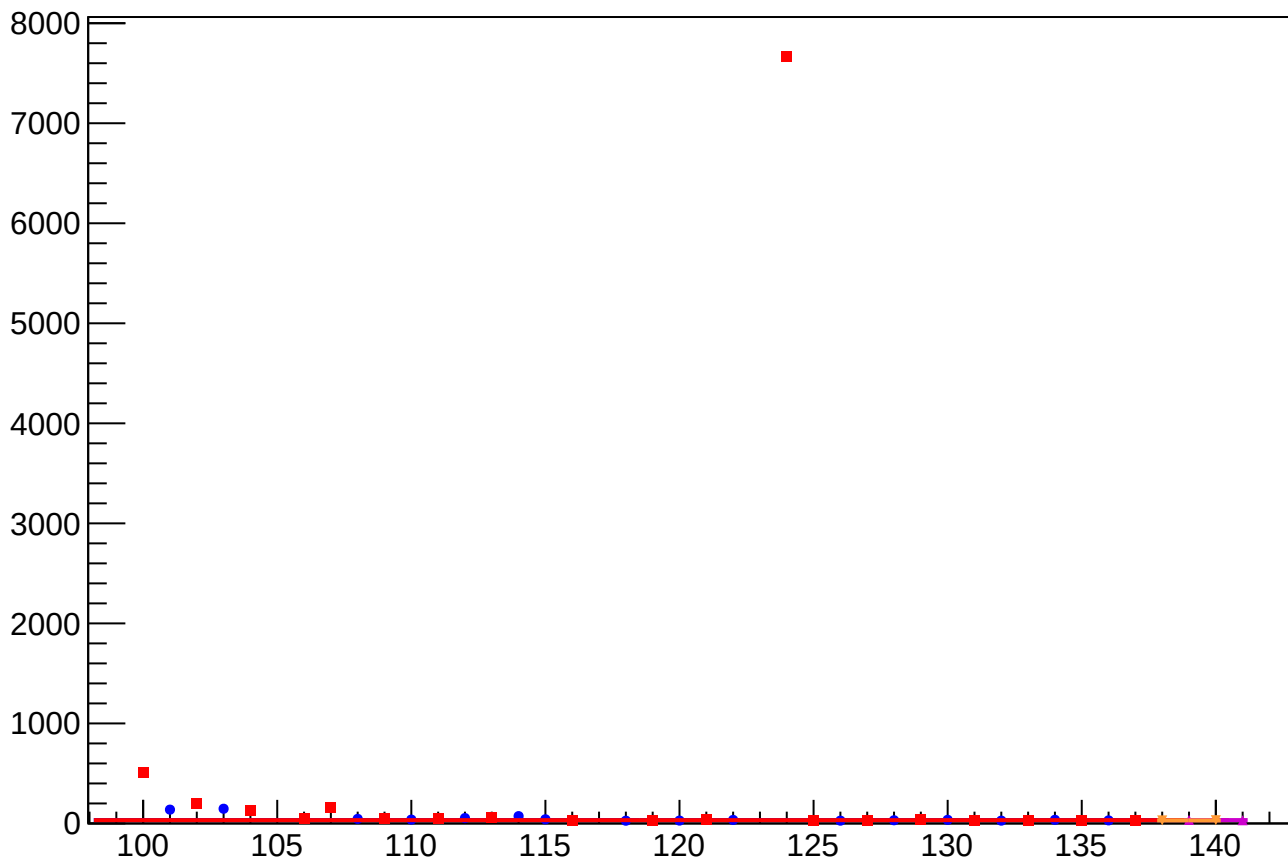
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF: 1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/17

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/38

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

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

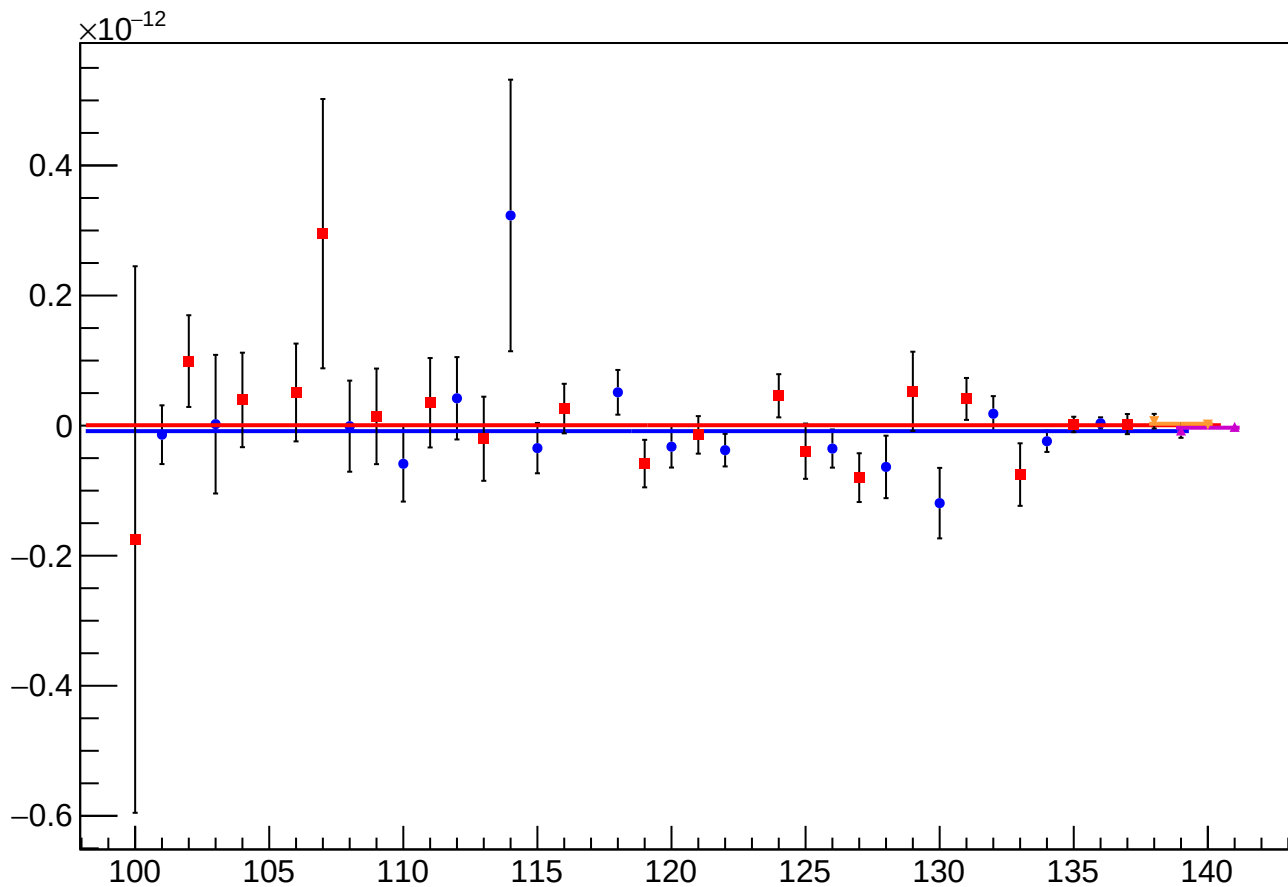
Left In: 33.865 $\pm$ 0.019 χ^2 /NDF: 9308.0/1

+ sign 33.380 $\pm$ 0.009 χ^2 /NDF: 1737695.0/17

All: 33.321 $\pm$ 0.006 χ^2 /NDF: 3823448.9/38

- sign 33.261 $\pm$ 0.009 χ^2 /NDF: 2085669.8/20

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

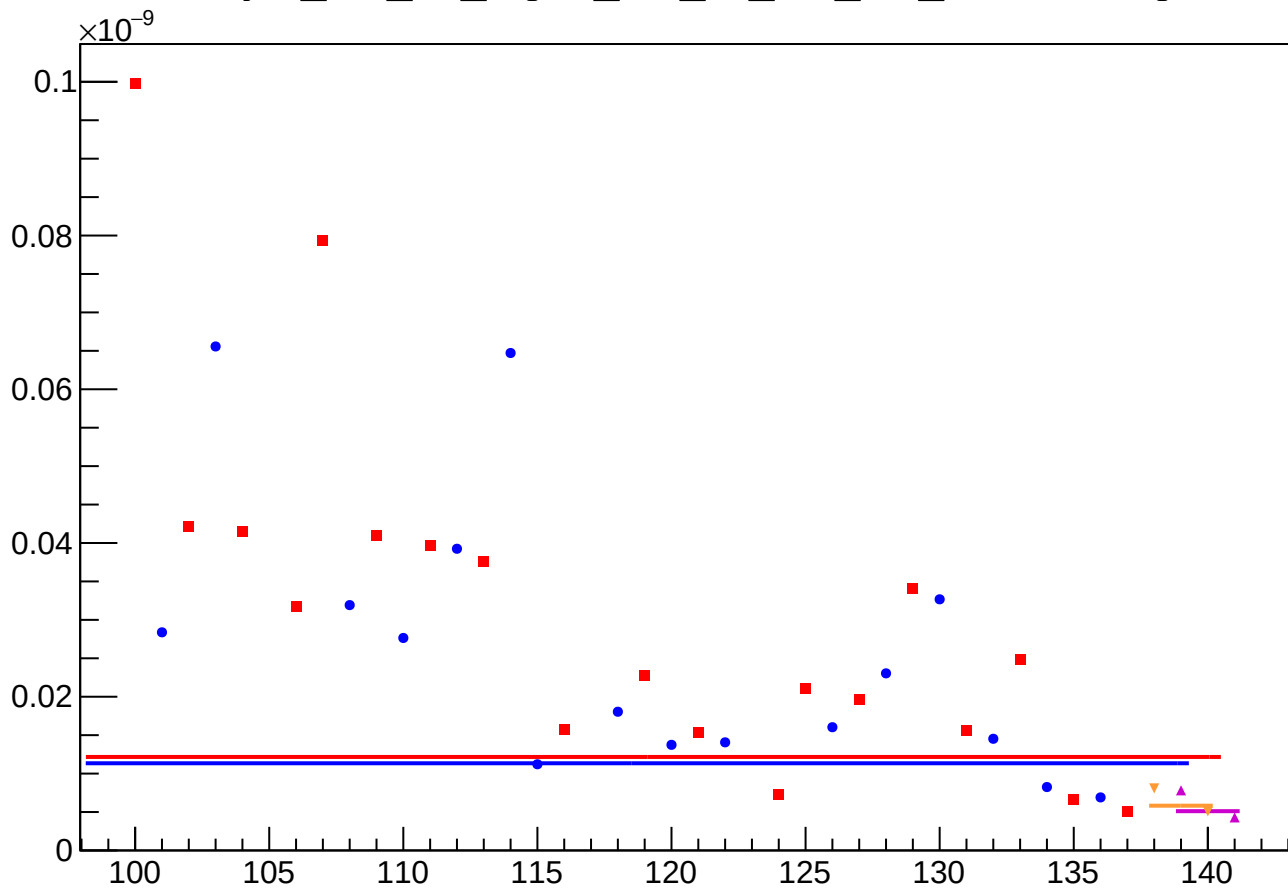
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 21.2/17

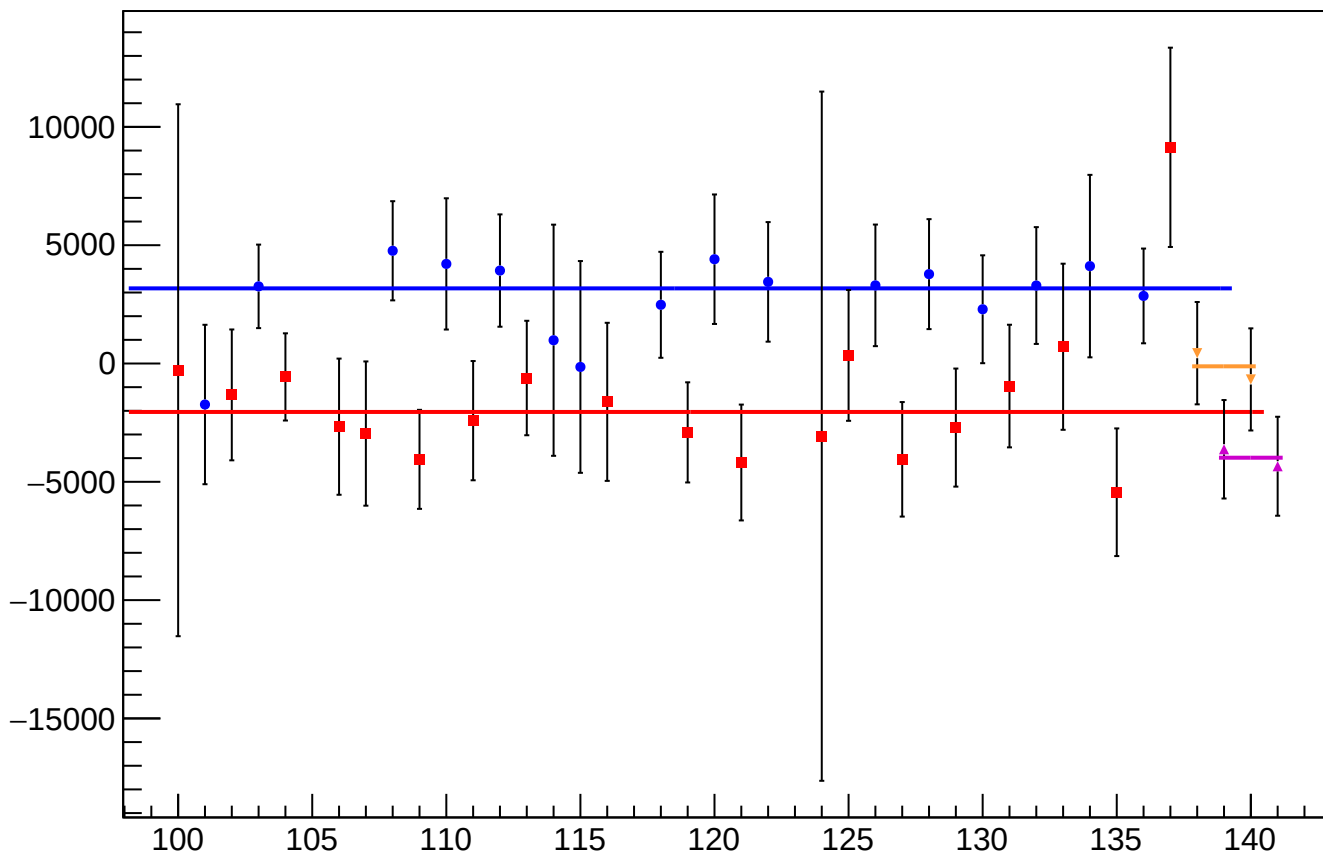
All: -0.000 ± 0.000 χ^2/NDF : 42.4/38

- sign -0.000 ± 0.000 χ^2/NDF : 21.2/20

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

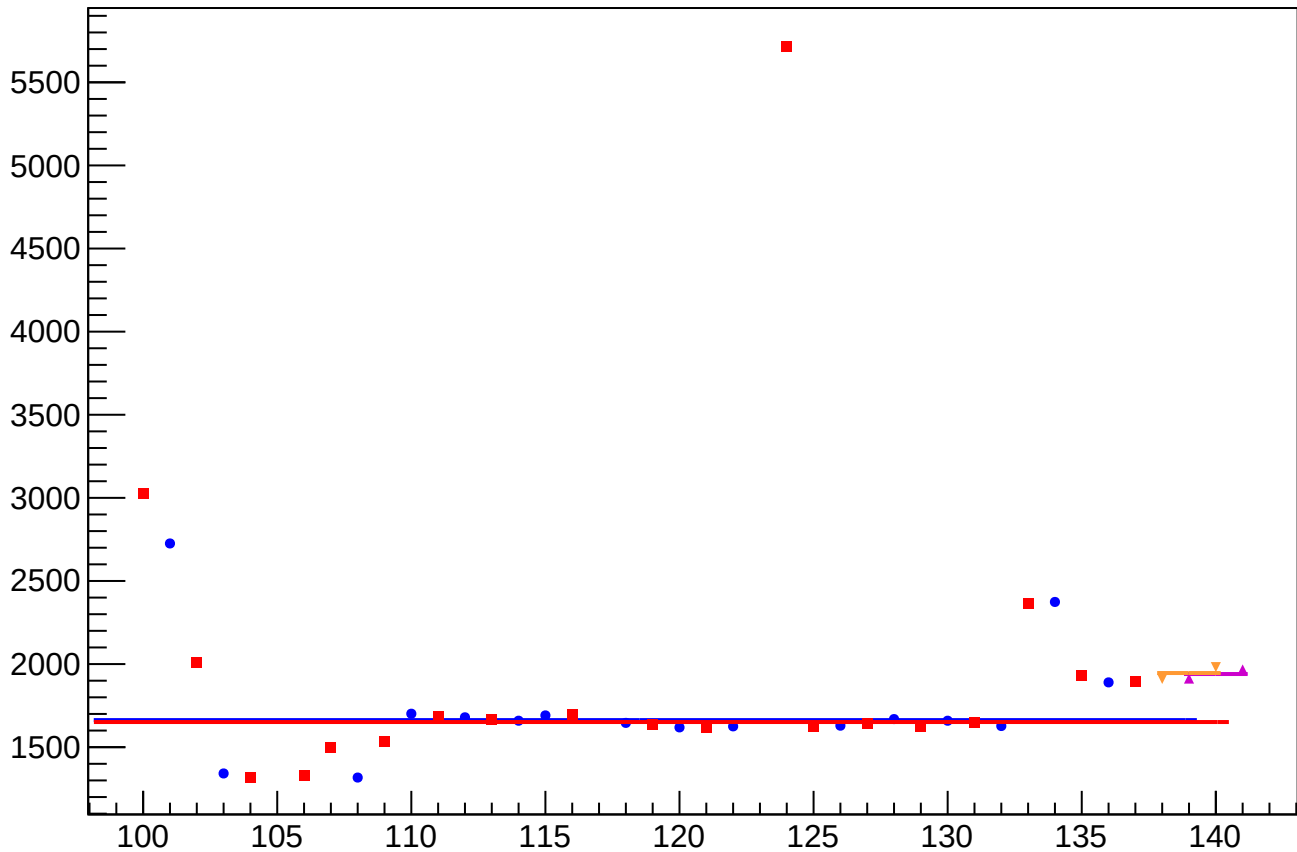
Left In: -3981.499 ± 1475.079 χ^2/NDF : 0.1/1

+ sign 2699.329 ± 580.827 χ^2/NDF : 8.4/17

All: 144.840 ± 407.817 χ^2/NDF : 62.1/38

- sign -2338.984 ± 572.737 χ^2/NDF : 15.6/20

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415630.7/15

Left Out: 1946.135+/-1.080 χ^2/NDF :1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.1/18

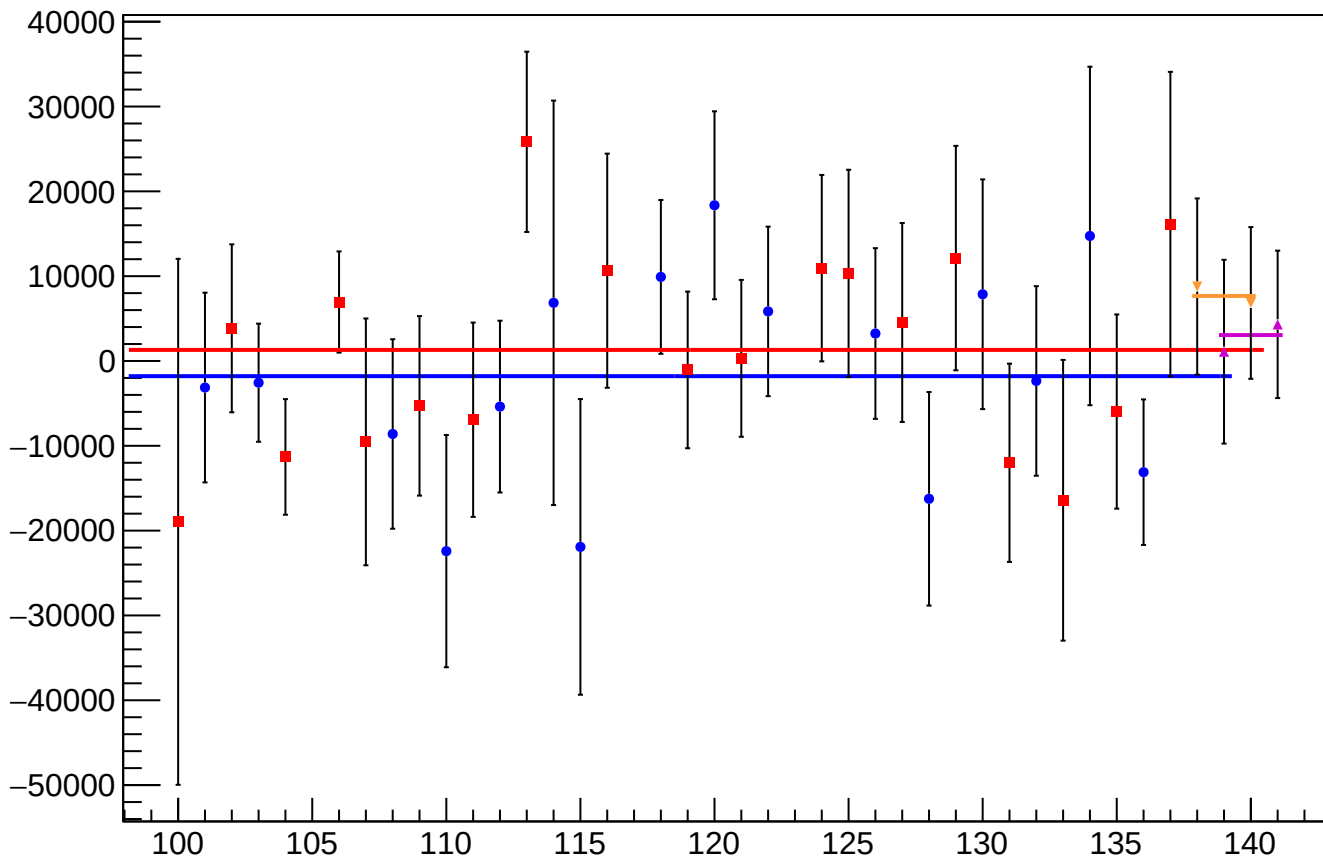
Left In: 1940.171+/-1.043 χ^2/NDF :690.4/1

+ sign 1703.847+/-0.411 χ^2/NDF : 475525.1/17

All: 1699.295+/-0.288 χ^2/NDF : 973551.7/38

- sign 1694.868+/-0.405 χ^2/NDF : 497784.2/20

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030 ± 2743.617 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 7665.554 ± 6778.310 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 1306.311 ± 2430.063 $\chi^2/\text{NDF}: 17.7/18$

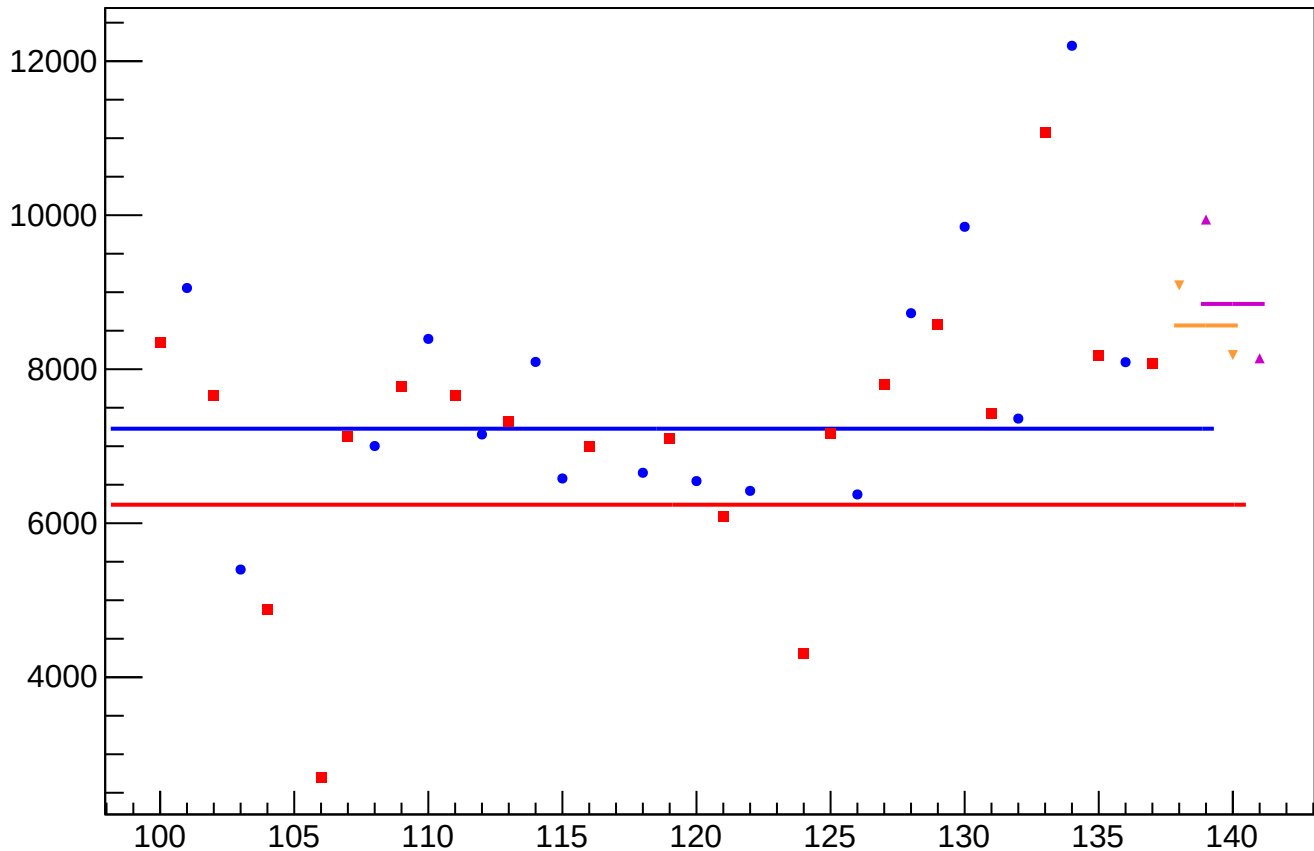
Left In: 3055.028 ± 6777.638 $\chi^2/\text{NDF}: 0.1/1$

+ sign -459.818 ± 2543.185 $\chi^2/\text{NDF}: 16.0/17$

All: 626.586 ± 1700.731 $\chi^2/\text{NDF}: 34.2/38$

- sign 1505.505 ± 2287.478 $\chi^2/\text{NDF}: 17.8/20$

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF : 503260.9/15

Left Out: 8568.385+/-4.793 χ^2/NDF : 8708.5/1

Right Out: 6240.557+/-1.718 χ^2/NDF : 1399077.4/18

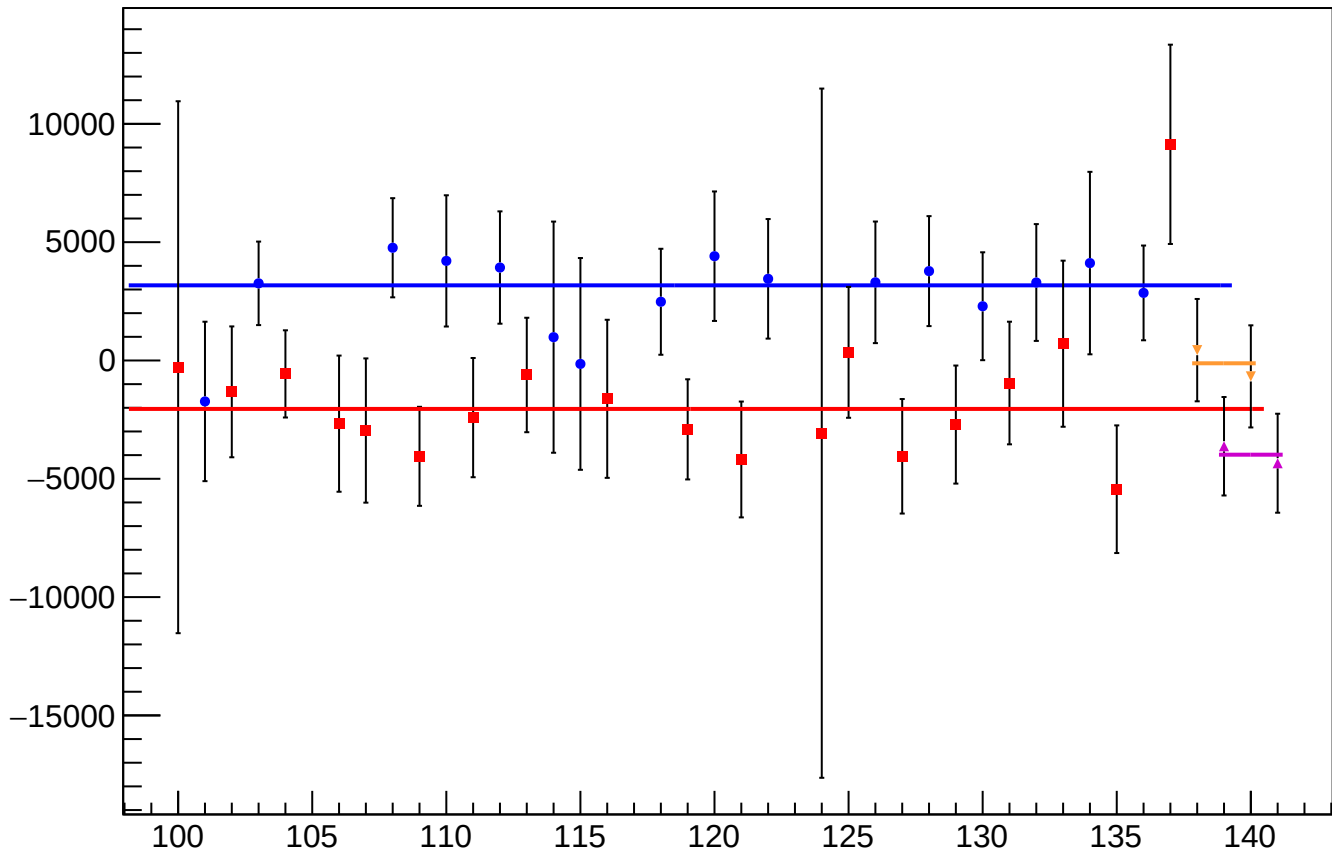
Left In: 8847.743+/-4.793 χ^2/NDF : 33692.1/1

+ sign 7416.335+/-1.798 χ^2/NDF : 579208.3/17

All: 6930.548+/-1.203 χ^2/NDF : 2406226.4/38

- sign 6537.538+/-1.617 χ^2/NDF : 1695007.6/20

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

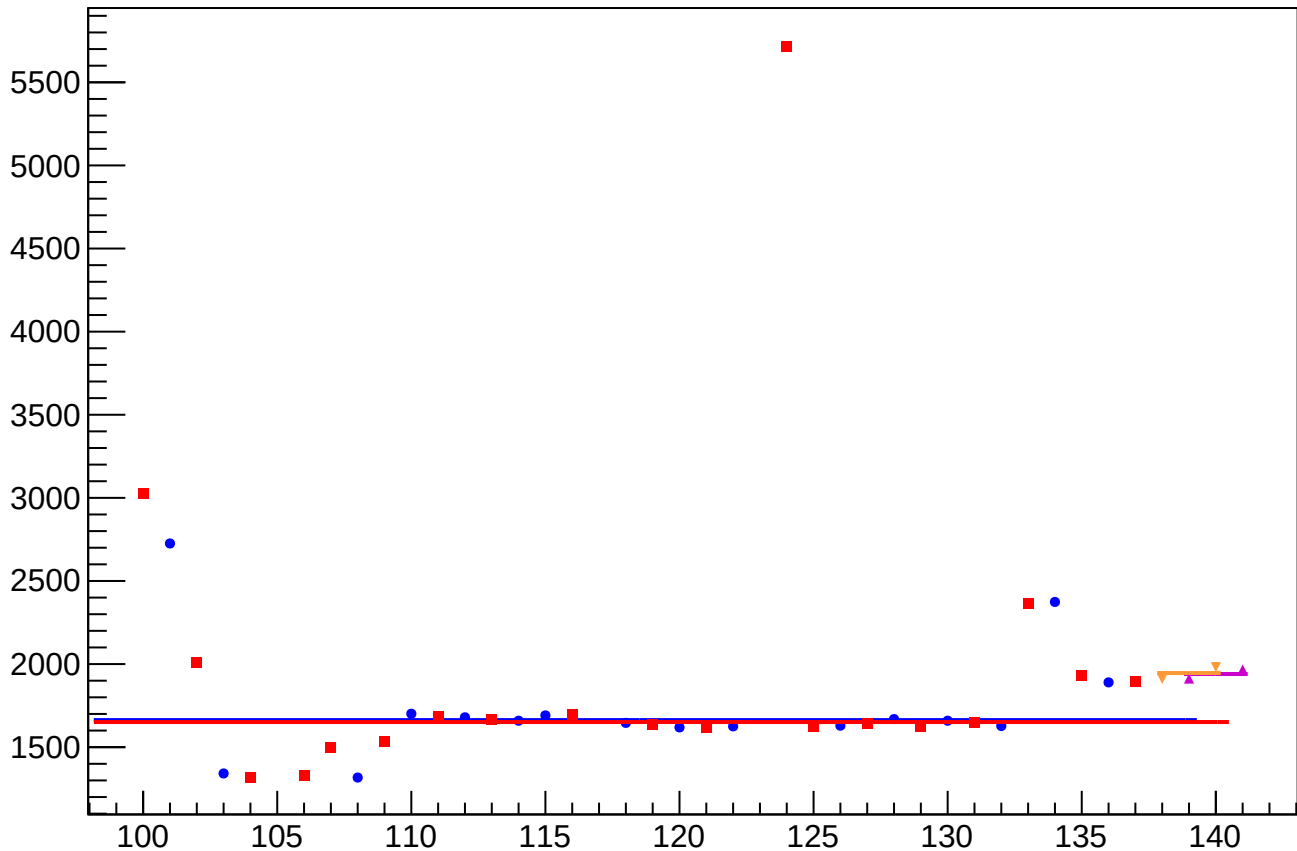
Left In: -3981.542 $\pm$ 1475.079 χ^2 /NDF:0.1/1

+ sign 2699.431 $\pm$ 580.828 χ^2 /NDF: 8.4/17

All: 144.971 $\pm$ 407.817 χ^2 /NDF: 62.1/38

- sign -2338.825 $\pm$ 572.737 χ^2 /NDF: 15.6/20

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF : 1080.6/1

+ sign 1703.847+/-0.411 χ^2/NDF : 475525.5/17

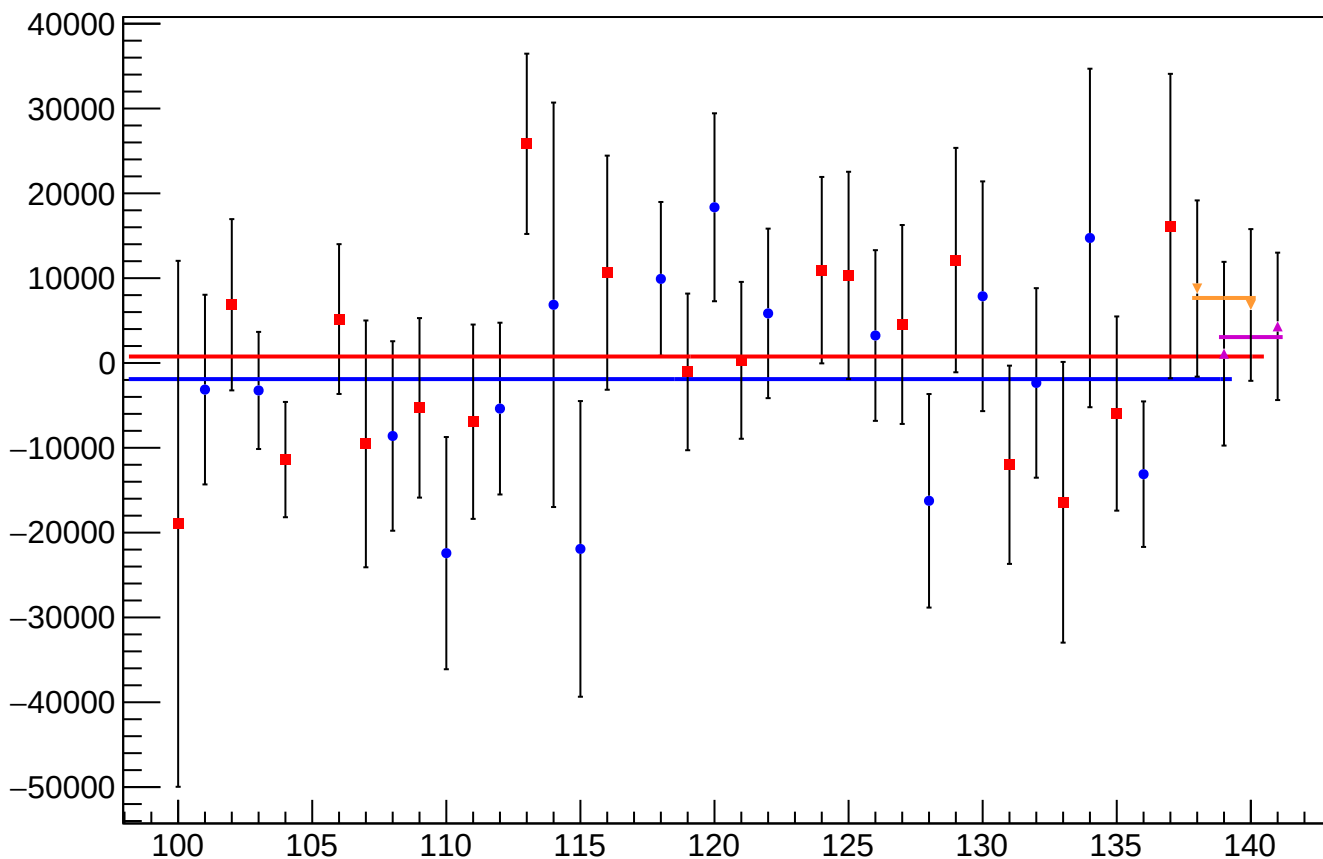
Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

All: 1699.295+/-0.288 χ^2/NDF : 973552.2/38

- sign 1694.868+/-0.405 χ^2/NDF : 497784.4/20

Left In: 1940.171+/-1.043 χ^2/NDF : 690.4/1

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125 ± 2739.954 χ^2/NDF : 14.4/15

Left Out: 7665.707 ± 6778.300 χ^2/NDF : 0.0/1

Right Out: 762.513 ± 2549.943 χ^2/NDF : 17.3/18

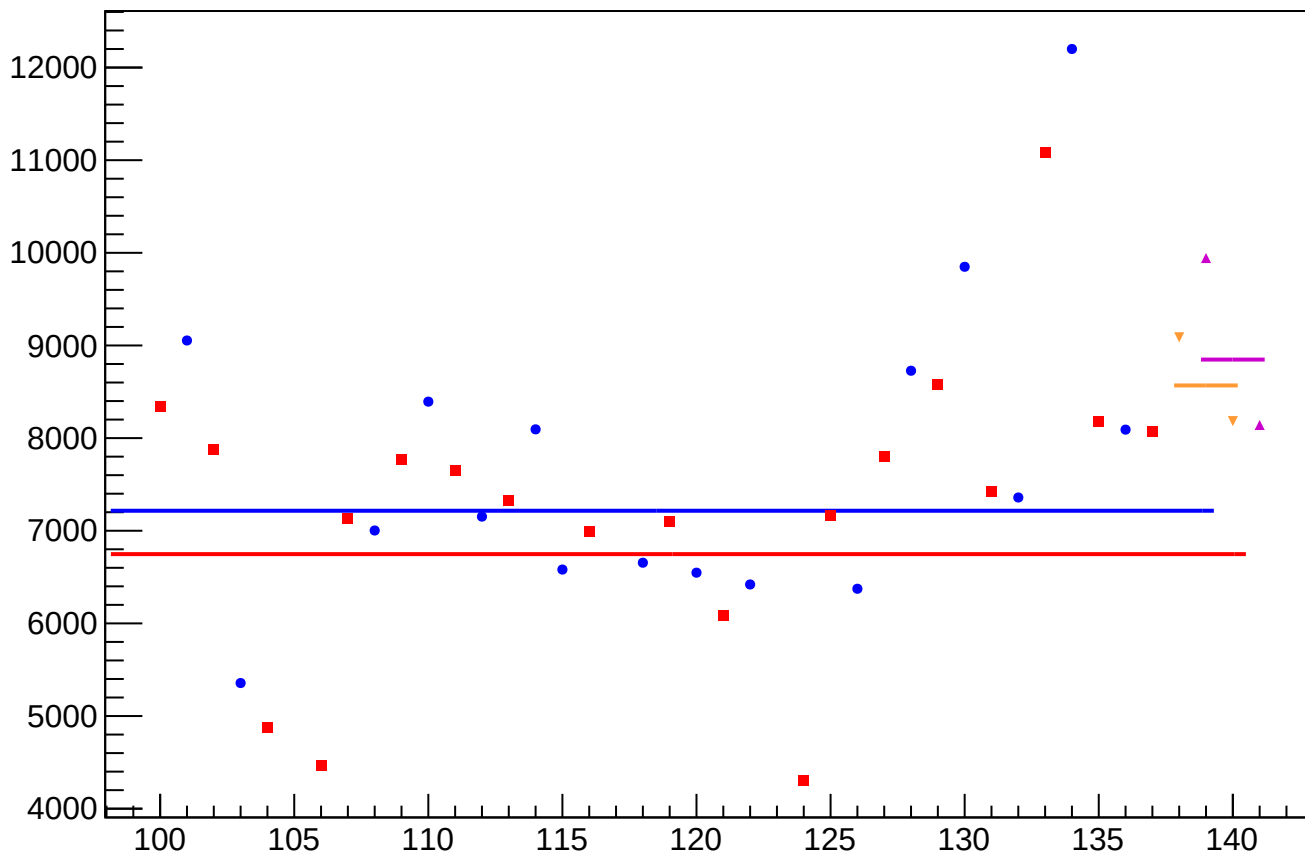
Left In: 3055.098 ± 6777.632 χ^2/NDF : 0.1/1

+ sign -556.619 ± 2540.266 χ^2/NDF : 16.1/17

All: 295.037 ± 1739.378 χ^2/NDF : 33.7/38

- sign 1046.786 ± 2386.620 χ^2/NDF : 17.4/20

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

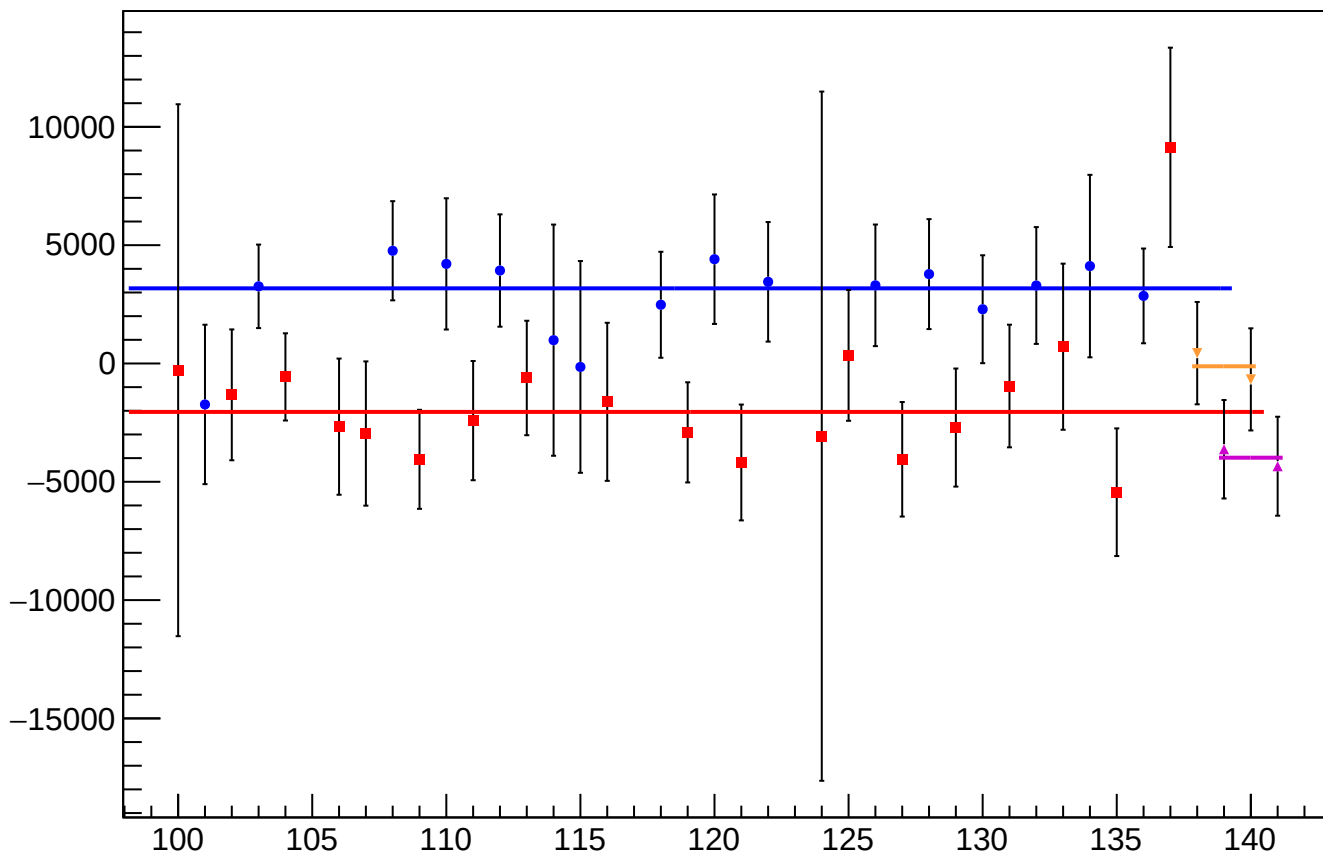
Left In: 8847.734 $\pm$ 4.793 χ^2/NDF : 33692.3/1

+ sign 7405.963 $\pm$ 1.796 χ^2/NDF : 589262.9/17

All: 7194.652 $\pm$ 1.230 χ^2/NDF : 1526000.5/38

- sign 7008.129 $\pm$ 1.688 χ^2/NDF : 910682.2/20

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

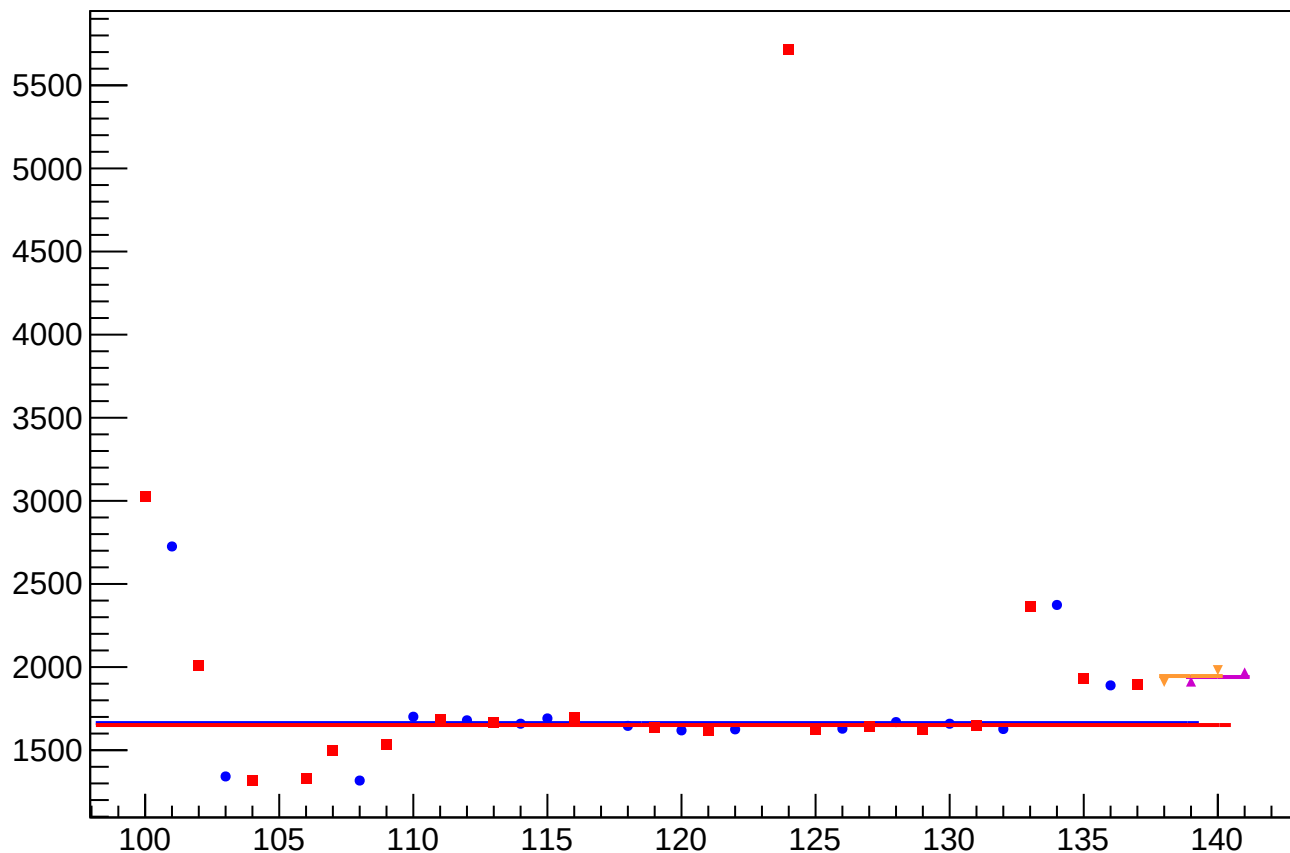
Left In: -3981.542 $\pm$ 1475.079 χ^2 /NDF: 0.1/1

+ sign 2699.431 $\pm$ 580.828 χ^2 /NDF: 8.4/17

All: 144.971 $\pm$ 407.817 χ^2 /NDF: 62.1/38

- sign -2338.825 $\pm$ 572.737 χ^2 /NDF: 15.6/20

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF :1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

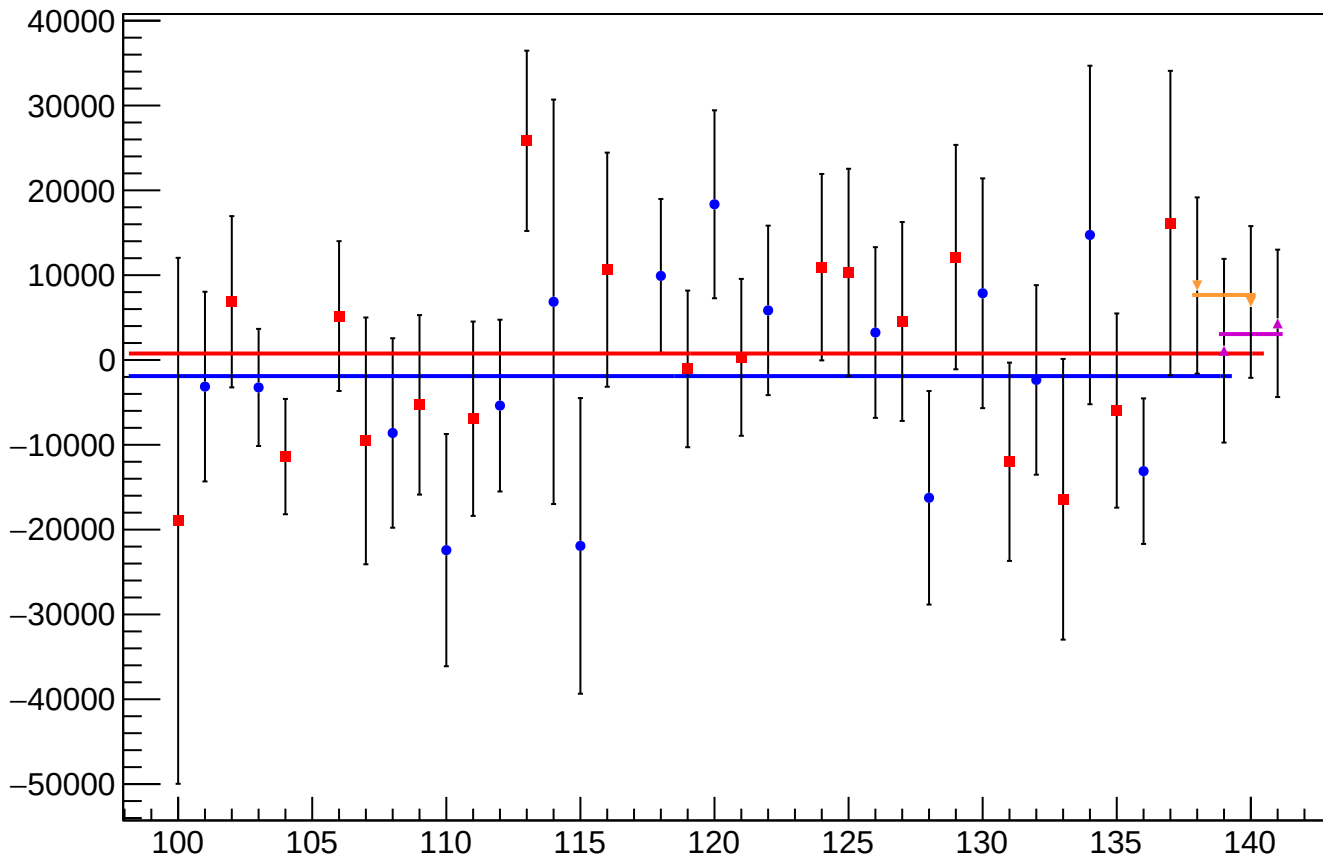
Left In: 1940.171+/-1.043 χ^2/NDF :690.4/1

+ sign 1703.847+/-0.411 χ^2/NDF : 475525.5/17

All: 1699.295+/-0.288 χ^2/NDF : 973552.2/38

- sign 1694.868+/-0.405 χ^2/NDF : 497784.4/20

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

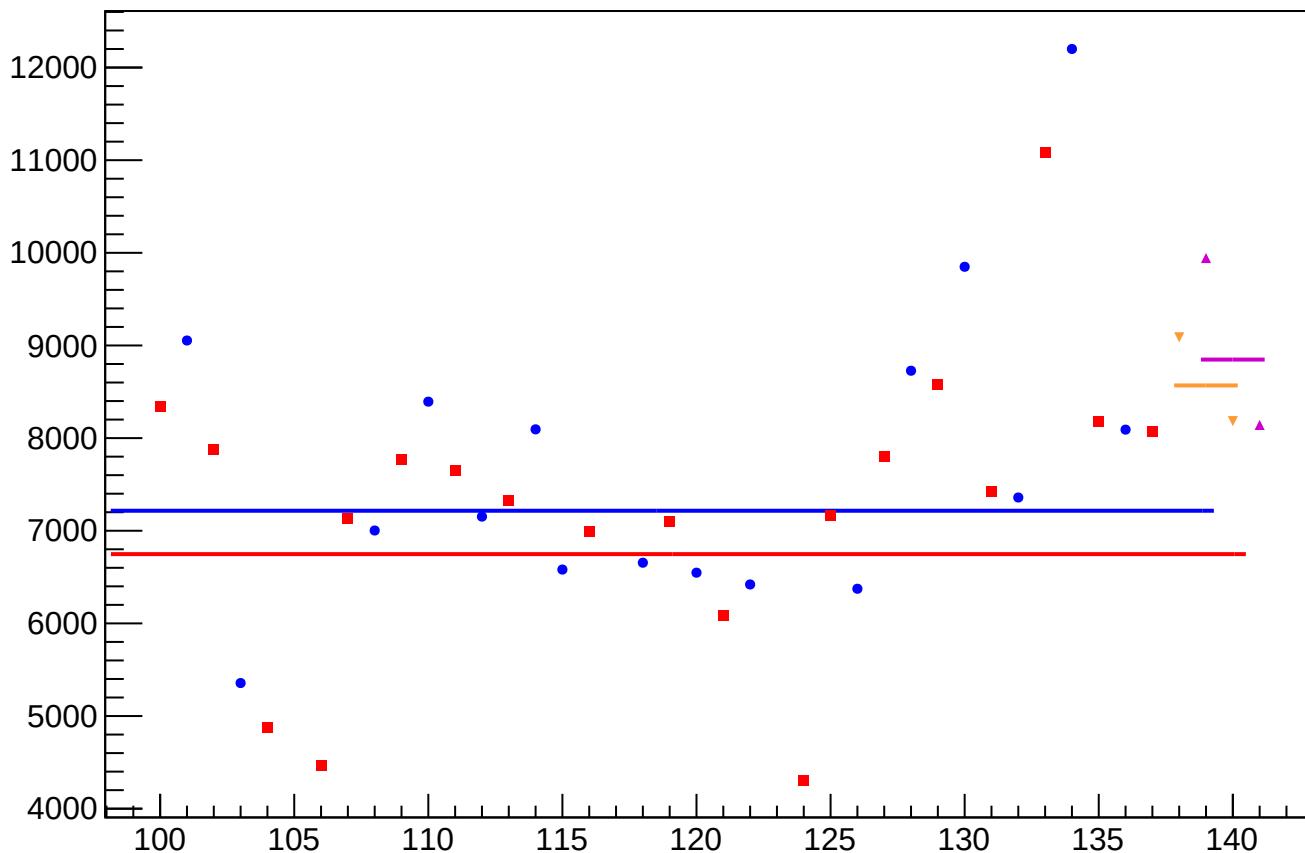
Left In: 3055.098 $\pm$ 6777.632 χ^2 /NDF: 0.1/1

+ sign -556.619 $\pm$ 2540.266 χ^2 /NDF: 16.1/17

All: 295.037 $\pm$ 1739.378 χ^2 /NDF: 33.7/38

- sign 1046.786 $\pm$ 2386.620 χ^2 /NDF: 17.4/20

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF : 512126.4/15

Left Out: 8568.370+/-4.793 χ^2/NDF : 8708.8/1

Right Out: 6747.736+/-1.803 χ^2/NDF : 708793.3/18

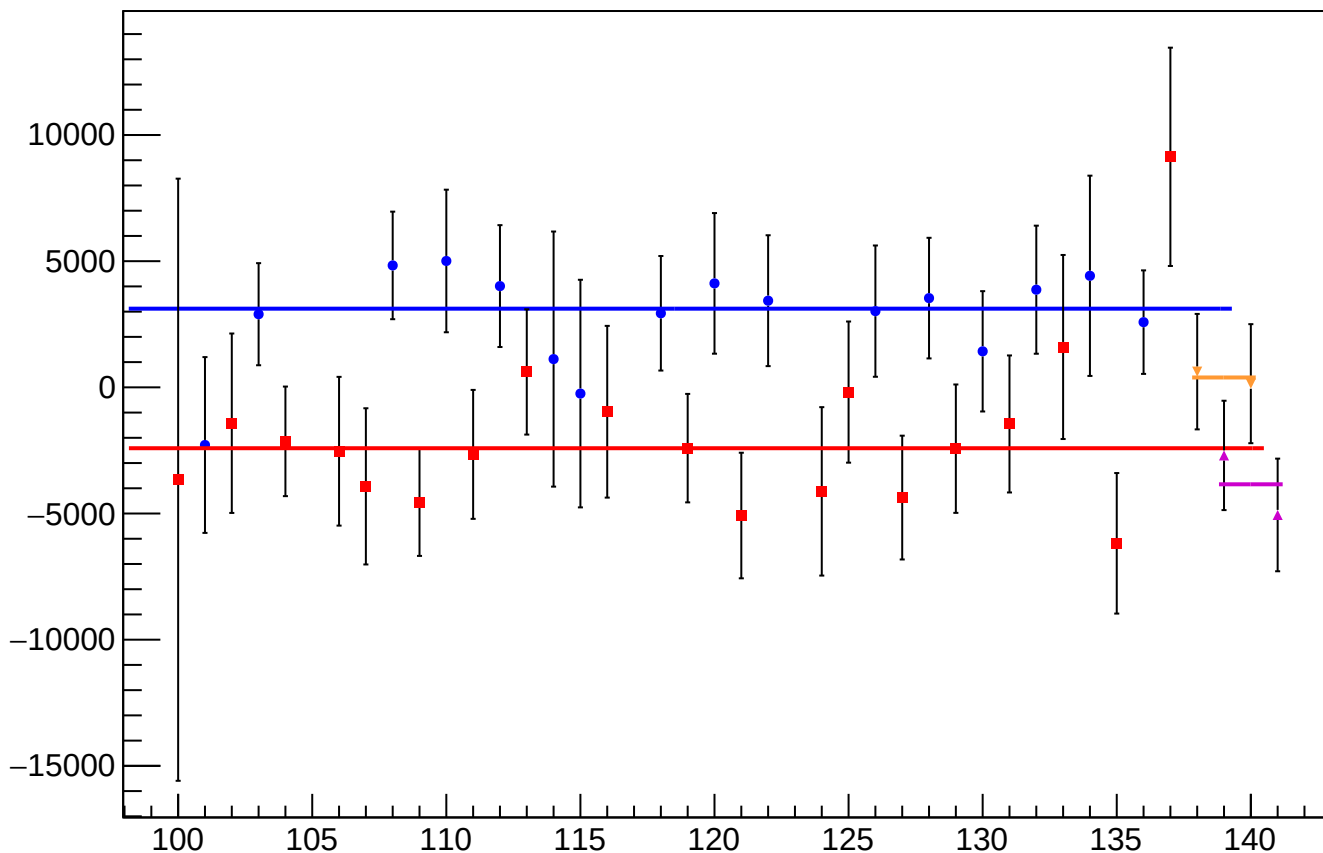
Left In: 8847.734+/-4.793 χ^2/NDF : 33692.3/1

+ sign 7405.963+/-1.796 χ^2/NDF : 589262.9/17

All: 7194.652+/-1.230 χ^2/NDF : 1526000.5/38

- sign 7008.129+/-1.688 χ^2/NDF : 910682.2/20

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878 ± 651.119 χ^2/NDF : 5.3/15

Left Out: 390.970 ± 1642.466 χ^2/NDF : 0.0/1

Right Out: -2412.473 ± 639.018 χ^2/NDF : 16.0/18

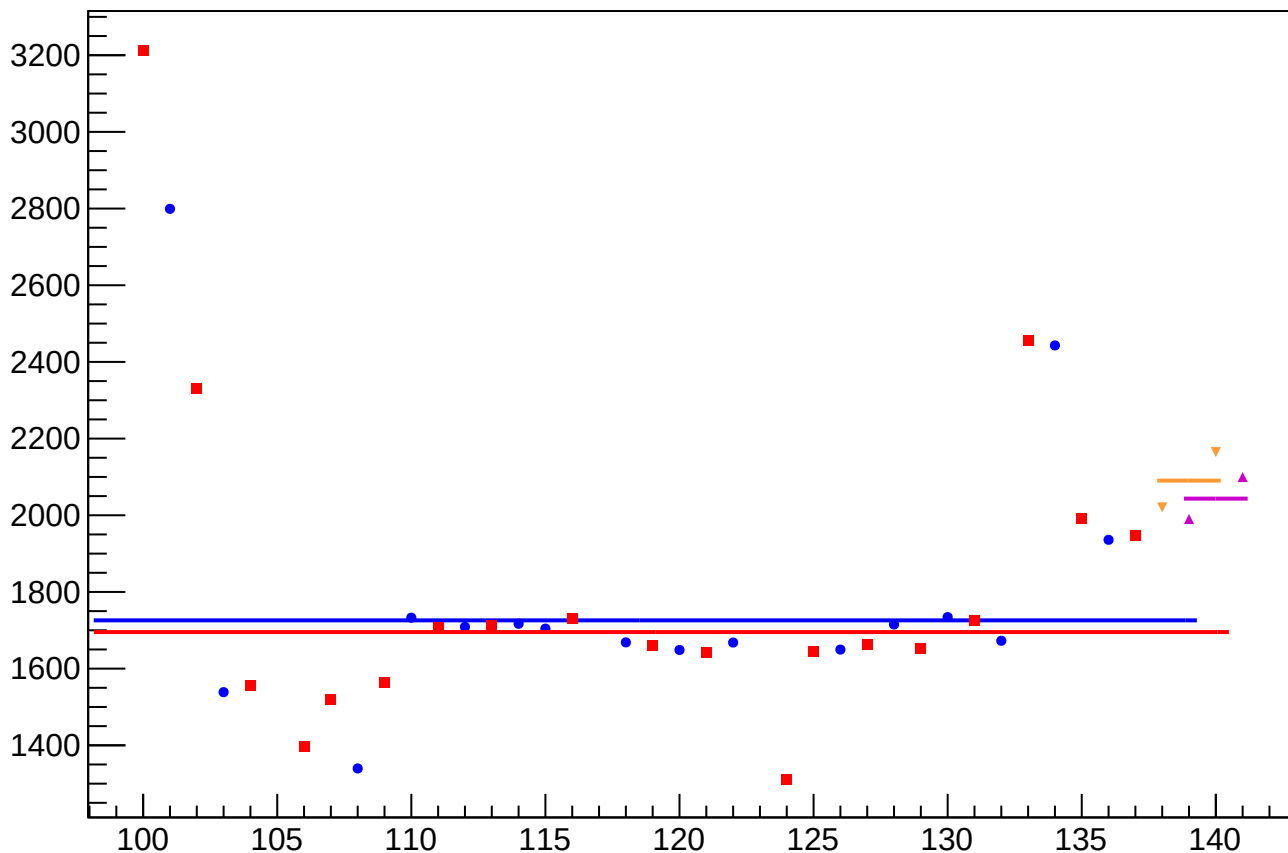
Left In: -3842.124 ± 1554.671 χ^2/NDF : 0.6/1

+ sign 2747.533 ± 605.291 χ^2/NDF : 7.7/17

All: 0.290 ± 422.876 χ^2/NDF : 65.2/38

- sign -2619.099 ± 591.038 χ^2/NDF : 17.3/20

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF : 365638.9/15

Left Out: 2090.413+/-1.161 χ^2/NDF : 3860.6/1

+ sign 1775.414+/-0.428 χ^2/NDF : 454622.5/17

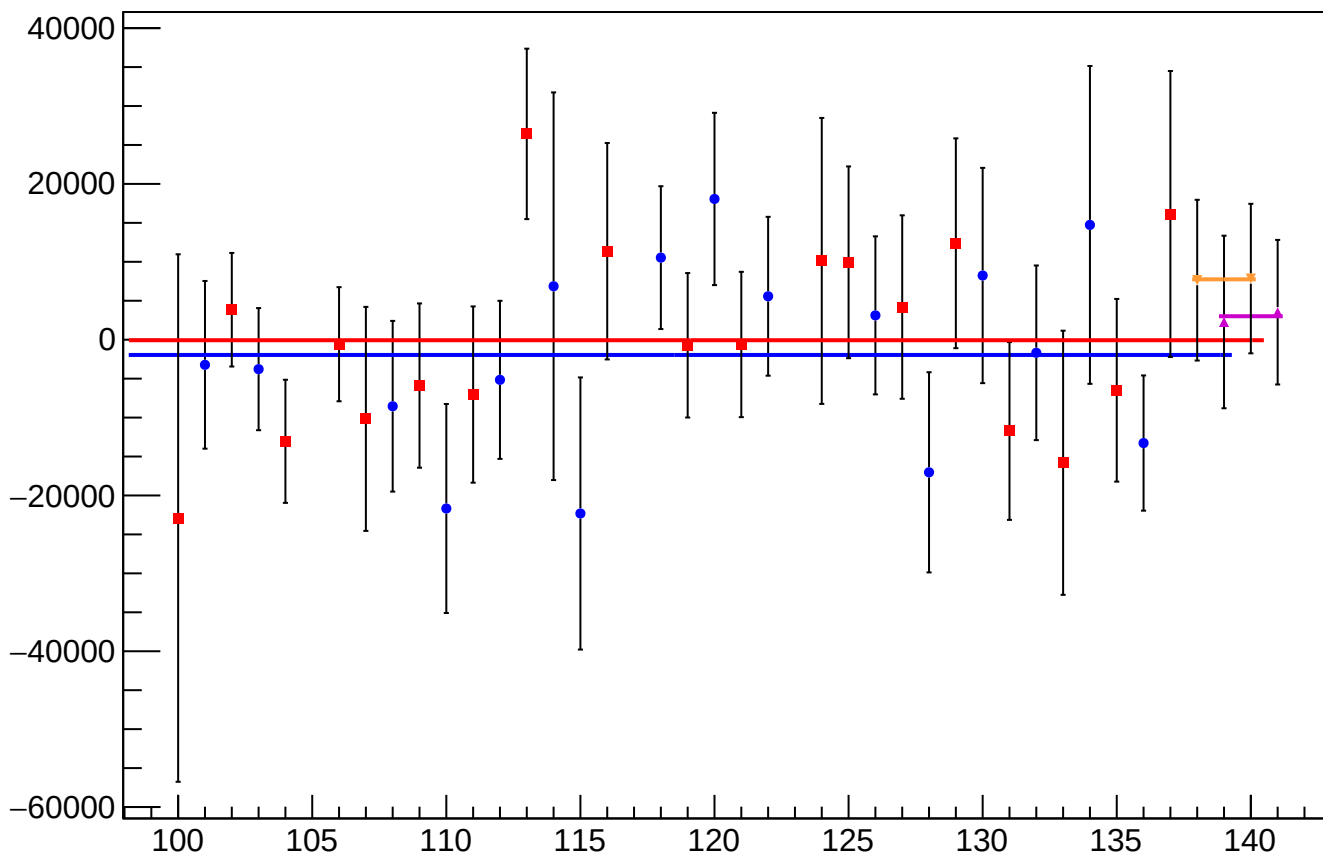
Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.0/18

All: 1760.176+/-0.299 χ^2/NDF : 830948.3/38

- sign 1745.656+/-0.418 χ^2/NDF : 373850.4/20

Left In: 2043.421+/-1.099 χ^2/NDF : 2475.6/1

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

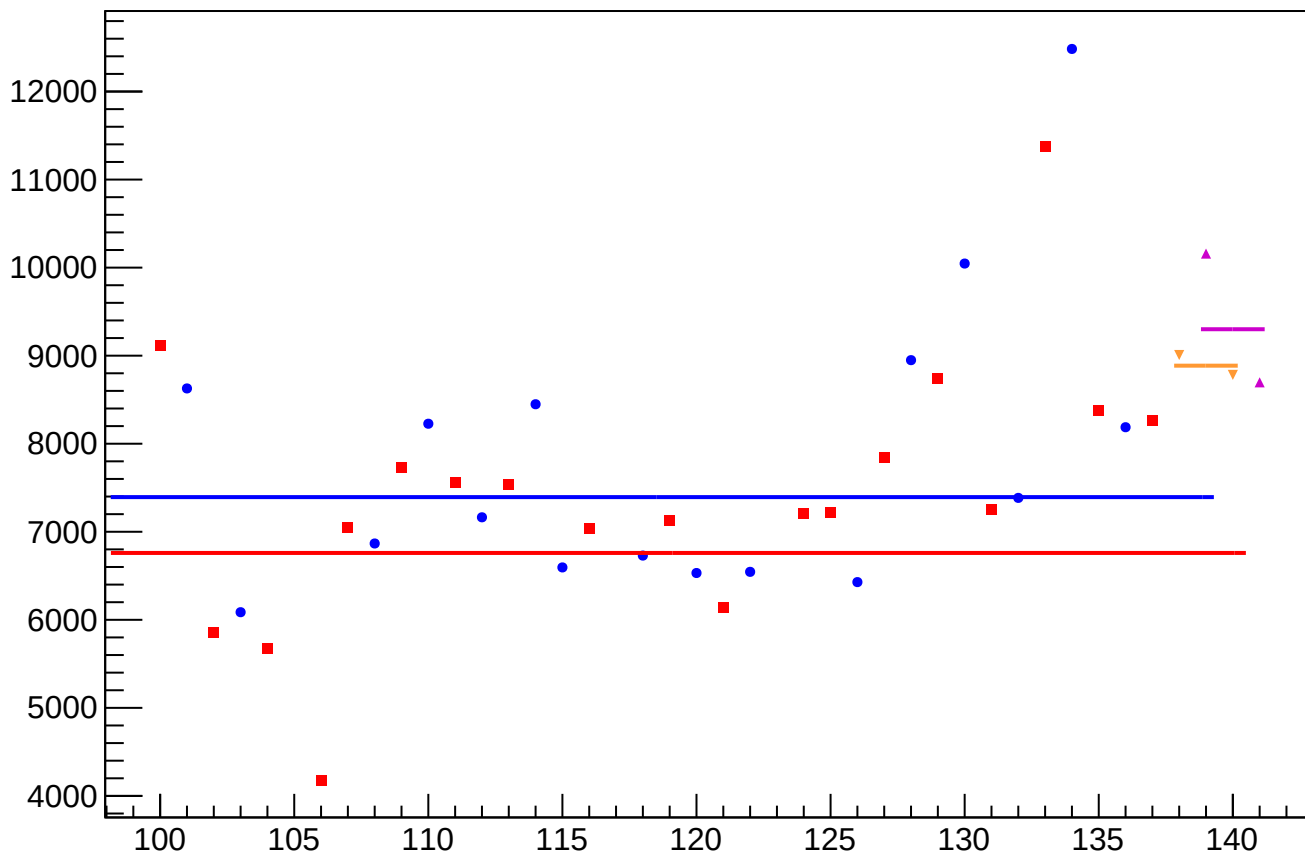
Left In: 3011.596 $\pm$ 7114.105 χ^2 /NDF: 0.0/1

+ sign -629.938 $\pm$ 2599.814 χ^2 /NDF: 16.0/17

All: -136.872 $\pm$ 1756.833 χ^2 /NDF: 32.4/38

- sign 277.505 $\pm$ 2383.350 χ^2 /NDF: 16.3/20

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622 $\pm$ 1.979 χ^2 /NDF: 401826.8/15

Left Out: 8886.468 $\pm$ 4.970 χ^2 /NDF: 513.5/1

Right Out: 6759.428 $\pm$ 1.789 χ^2 /NDF: 644290.9/18

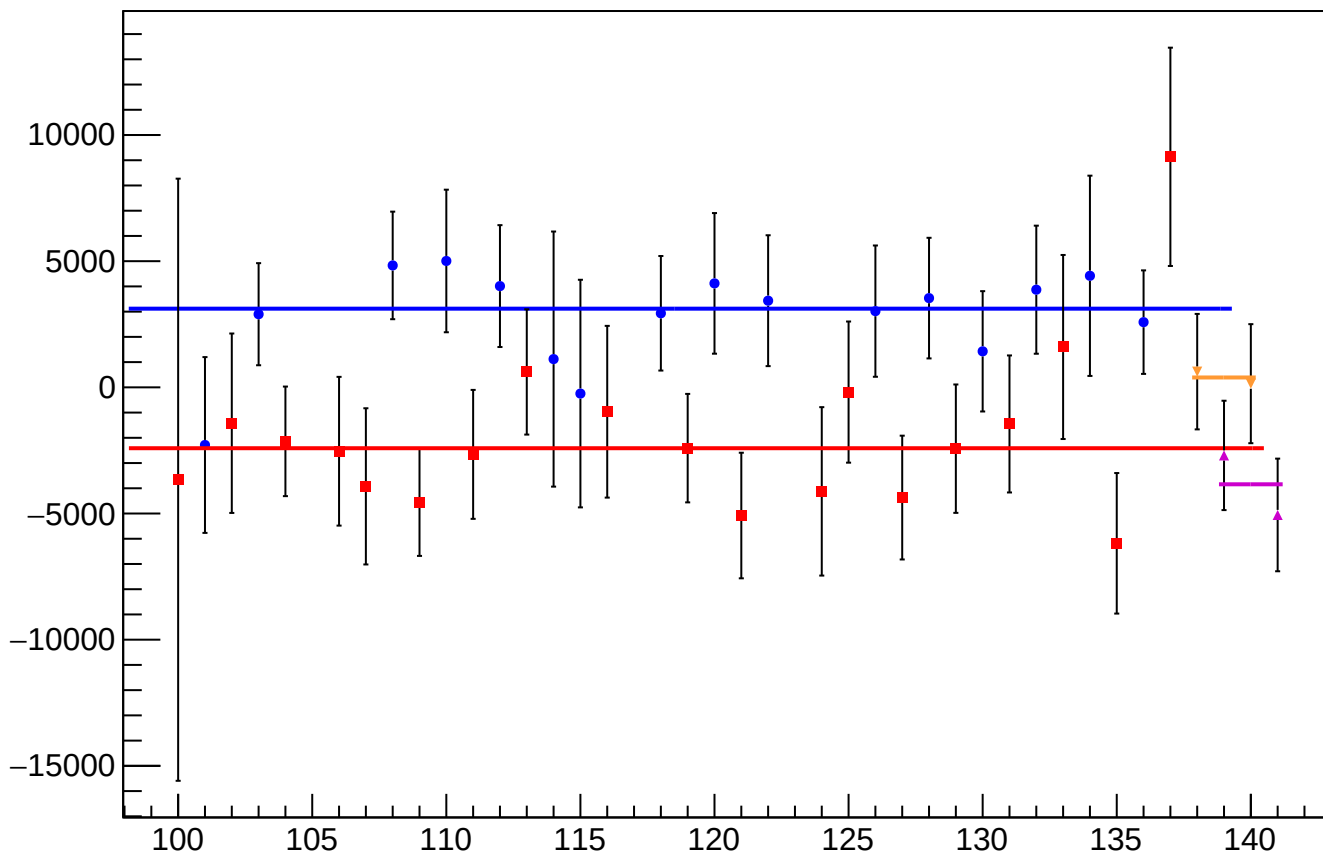
Left In: 9300.263 $\pm$ 5.030 χ^2 /NDF: 20471.7/1

+ sign 7597.897 $\pm$ 1.838 χ^2 /NDF: 480227.9/17

All: 7297.261 $\pm$ 1.242 χ^2 /NDF: 1420695.9/38

- sign 7044.603 $\pm$ 1.685 χ^2 /NDF: 891247.8/20

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882 $\pm$ 651.118 χ^2/NDF : 5.3/15

Left Out: 390.974 $\pm$ 1642.467 χ^2/NDF : 0.0/1

Right Out: -2412.481 $\pm$ 639.018 χ^2/NDF : 16.0/18

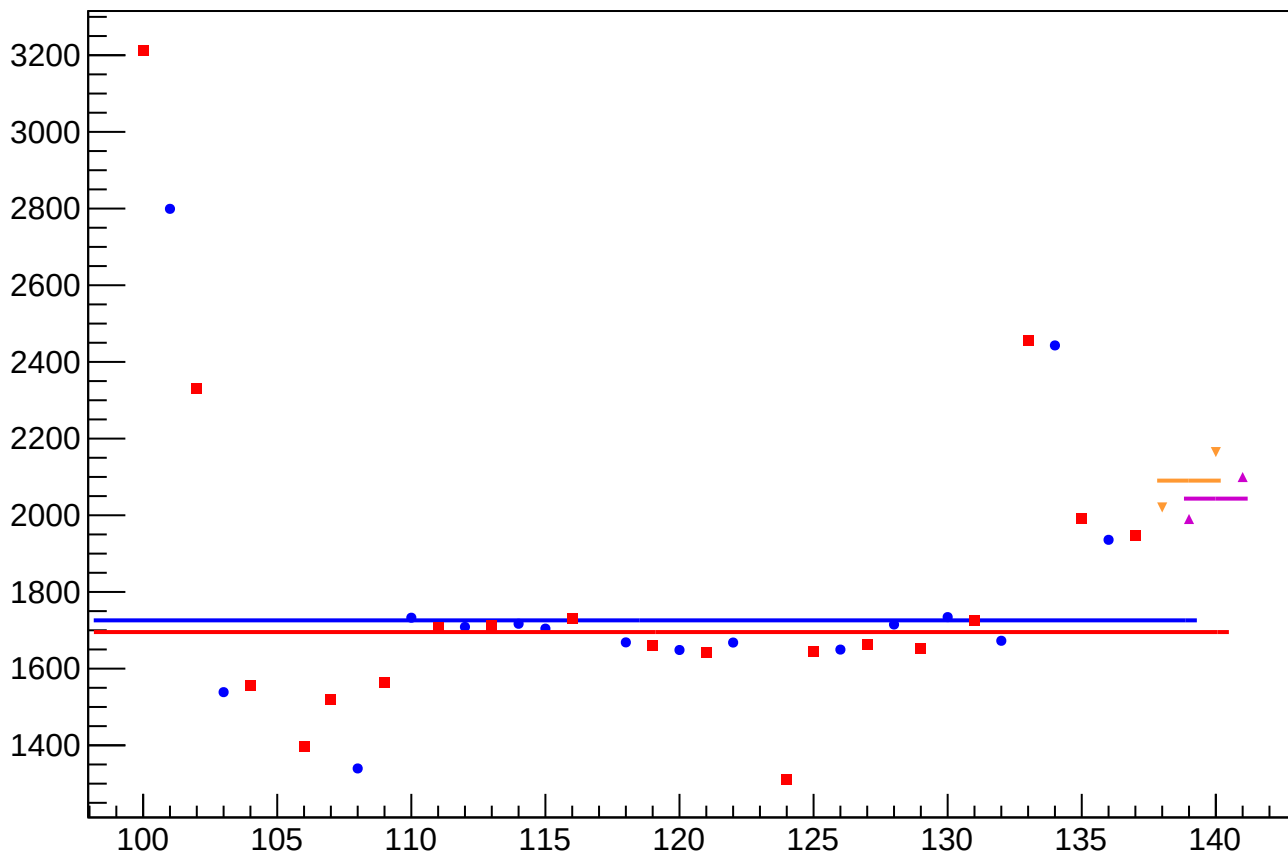
Left In: -3842.099 $\pm$ 1554.672 χ^2/NDF : 0.6/1

+ sign 2747.537 $\pm$ 605.291 χ^2/NDF : 7.7/17

All: 0.290 $\pm$ 422.876 χ^2/NDF : 65.2/38

- sign -2619.102 $\pm$ 591.038 χ^2/NDF : 17.3/20

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF : 365639.0/15

Left Out: 2090.415+/-1.161 χ^2/NDF : 3860.6/1

Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.3/18

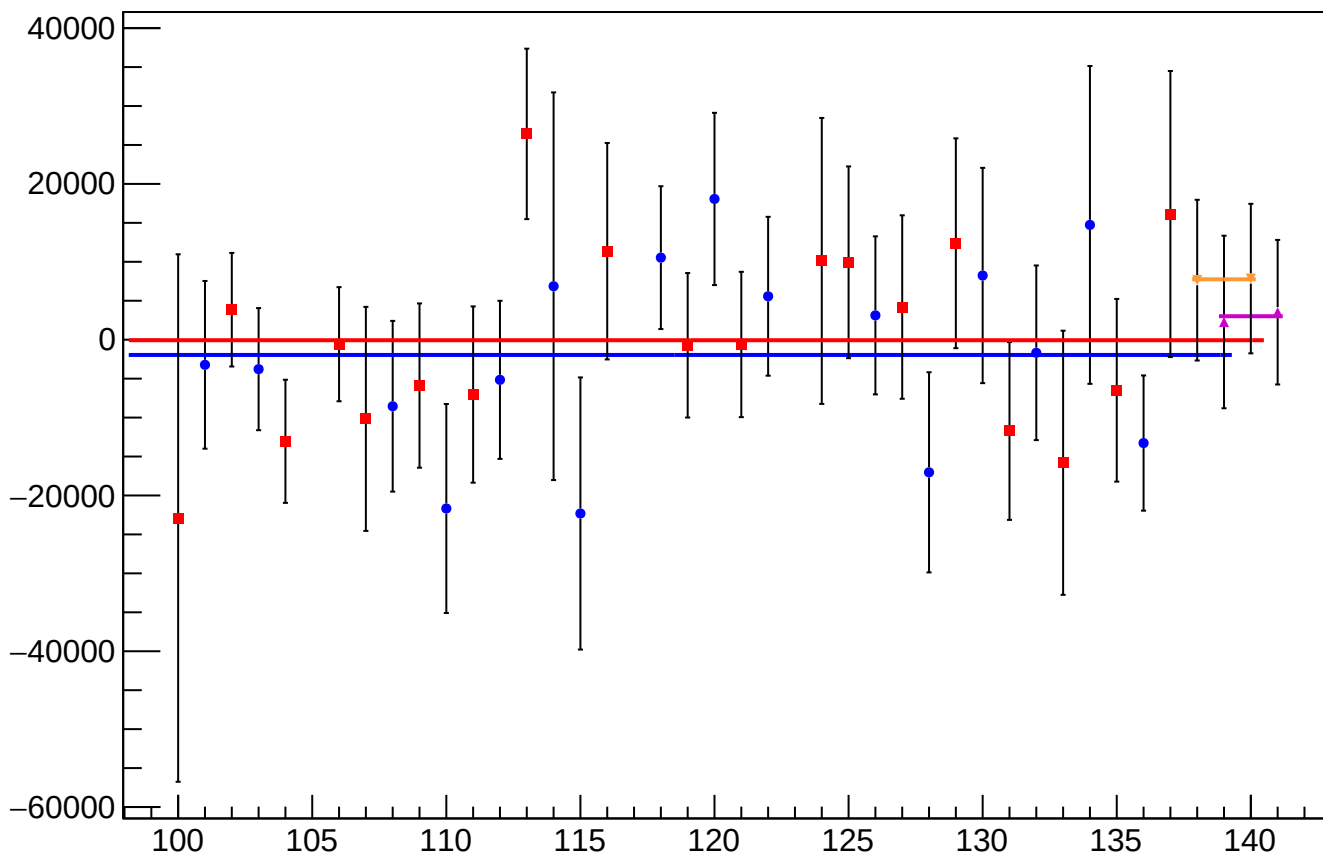
Left In: 2043.424+/-1.099 χ^2/NDF : 2475.4/1

+ sign 1775.414+/-0.428 χ^2/NDF : 454623.3/17

All: 1760.176+/-0.299 χ^2/NDF : 830950.4/38

- sign 1745.656+/-0.418 χ^2/NDF : 373851.8/20

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

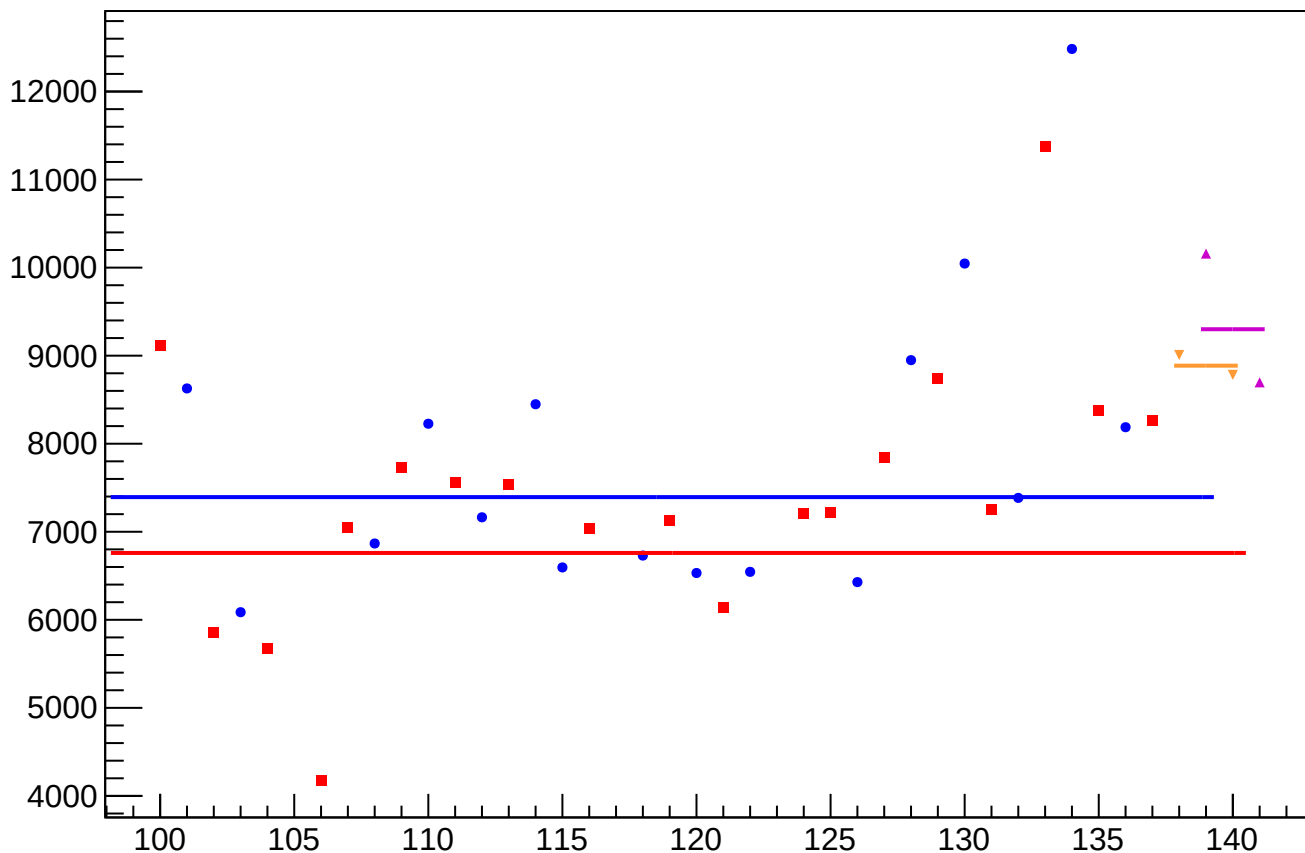
Left In: 3011.618 ± 7114.116 χ^2/NDF : 0.0/1

+ sign -629.928 ± 2599.810 χ^2/NDF : 16.0/17

All: -136.871 ± 1756.830 χ^2/NDF : 32.4/38

- sign 277.499 ± 2383.346 χ^2/NDF : 16.3/20

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

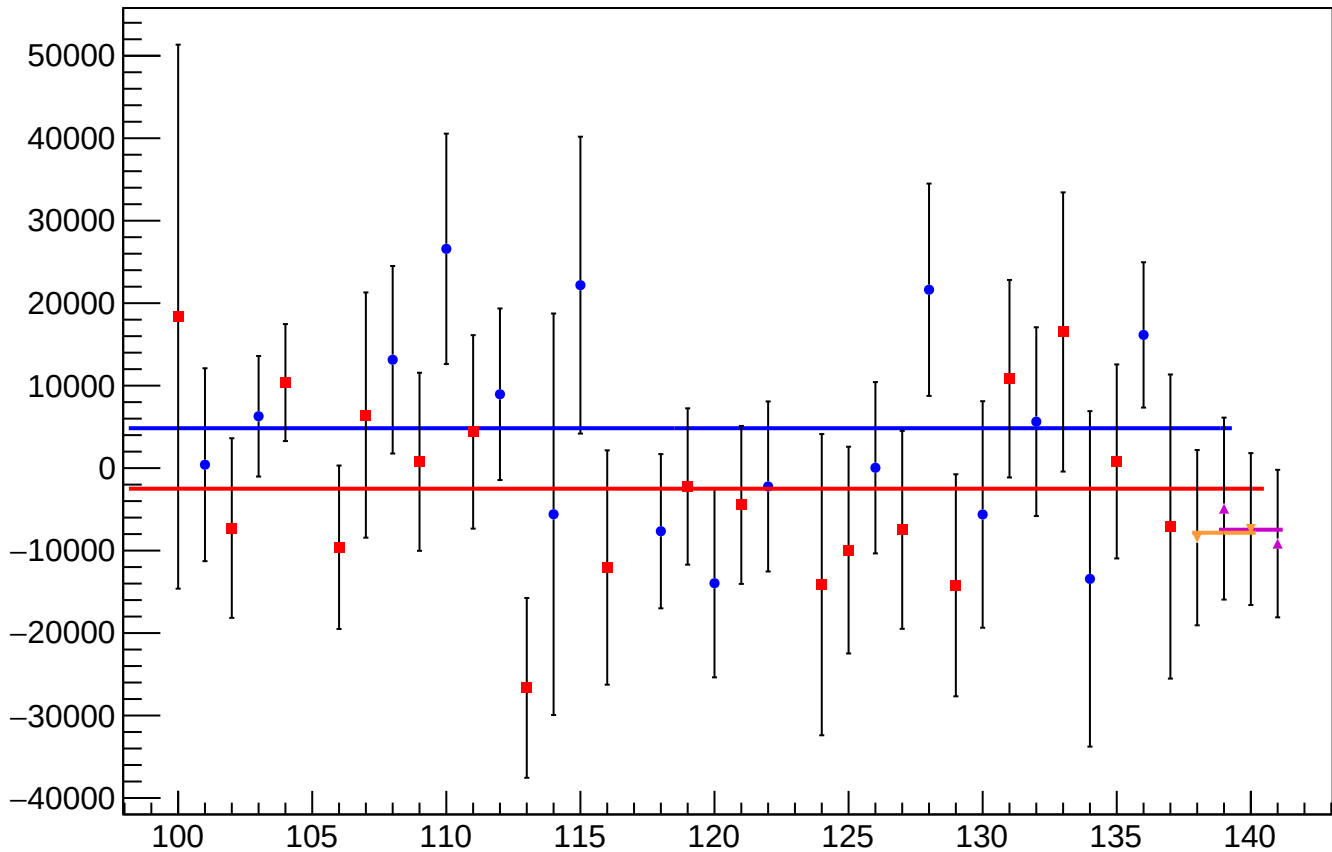
Left In: 9300.277 $\pm$ 5.030 χ^2/NDF :20472.3/1

+ sign 7597.883 $\pm$ 1.838 χ^2/NDF : 480233.3/17

All: 7297.247 $\pm$ 1.242 χ^2/NDF : 1420705.1/38

- sign 7044.590 $\pm$ 1.685 χ^2/NDF : 891251.7/20

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

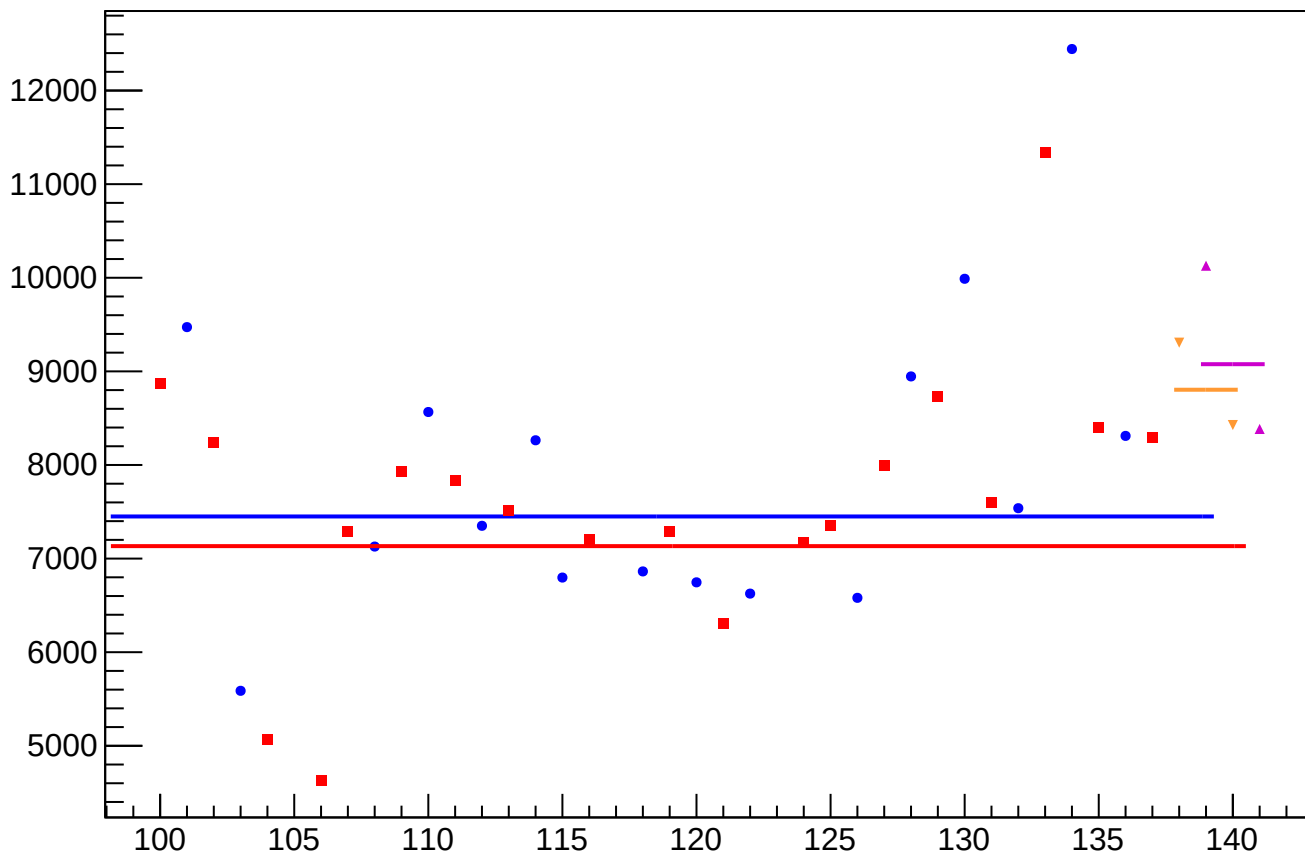
Left In: -7468.997+/-6947.646 χ^2/NDF : 0.1/1

+ sign 3040.455+/-2620.676 χ^2/NDF : 17.2/17

All: -182.707+/-1813.839 χ^2/NDF : 35.5/38

- sign -3146.495+/-2513.020 χ^2/NDF : 15.5/20

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF : 486427.7/15

Left Out: 8803.804+/-4.921 χ^2/NDF : 7830.5/1

Right Out: 7133.115+/-1.906 χ^2/NDF : 556993.0/18

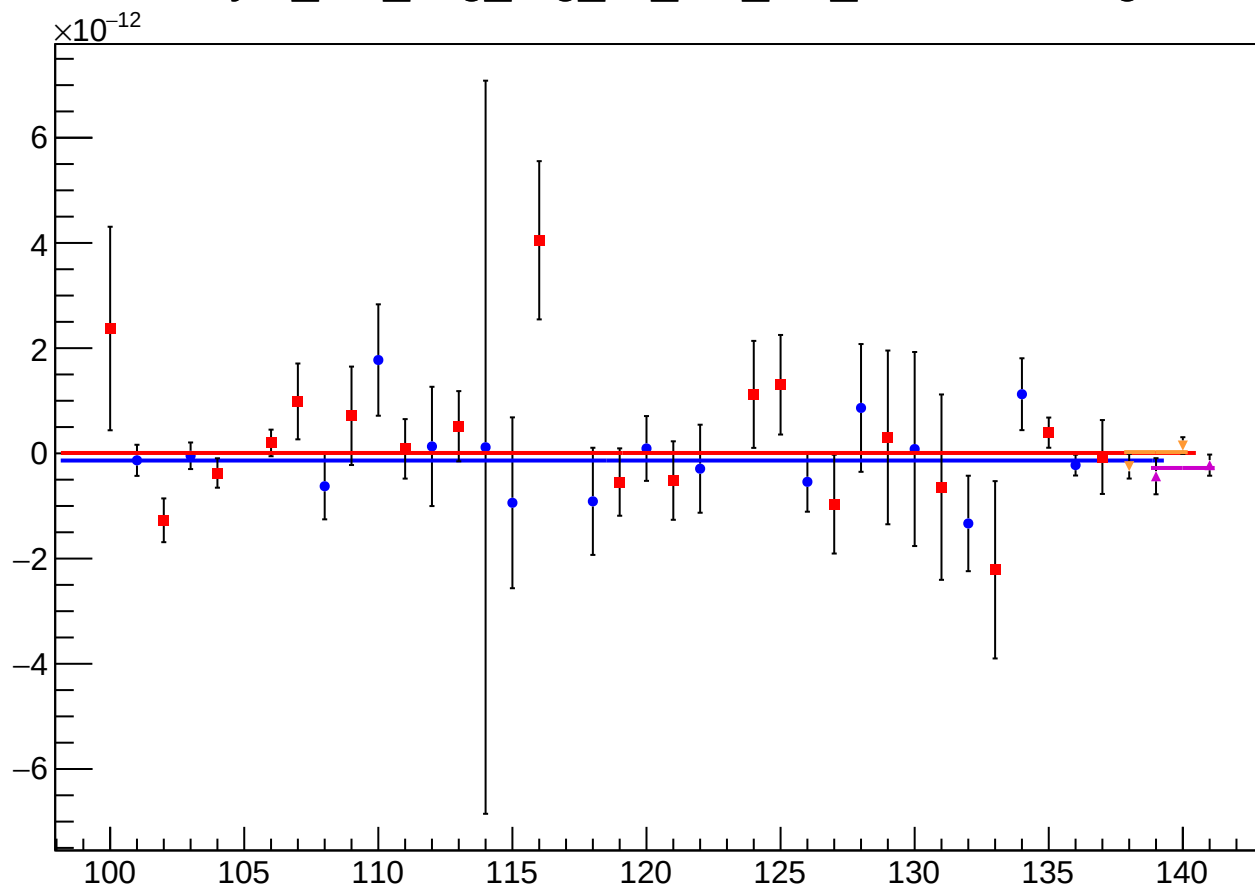
Left In: 9076.745+/-4.913 χ^2/NDF : 30154.2/1

+ sign 7641.960+/-1.853 χ^2/NDF : 559211.7/17

All: 7509.324+/-1.283 χ^2/NDF : 1292240.7/38

- sign 7387.374+/-1.777 χ^2/NDF : 723195.6/20

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.8/18

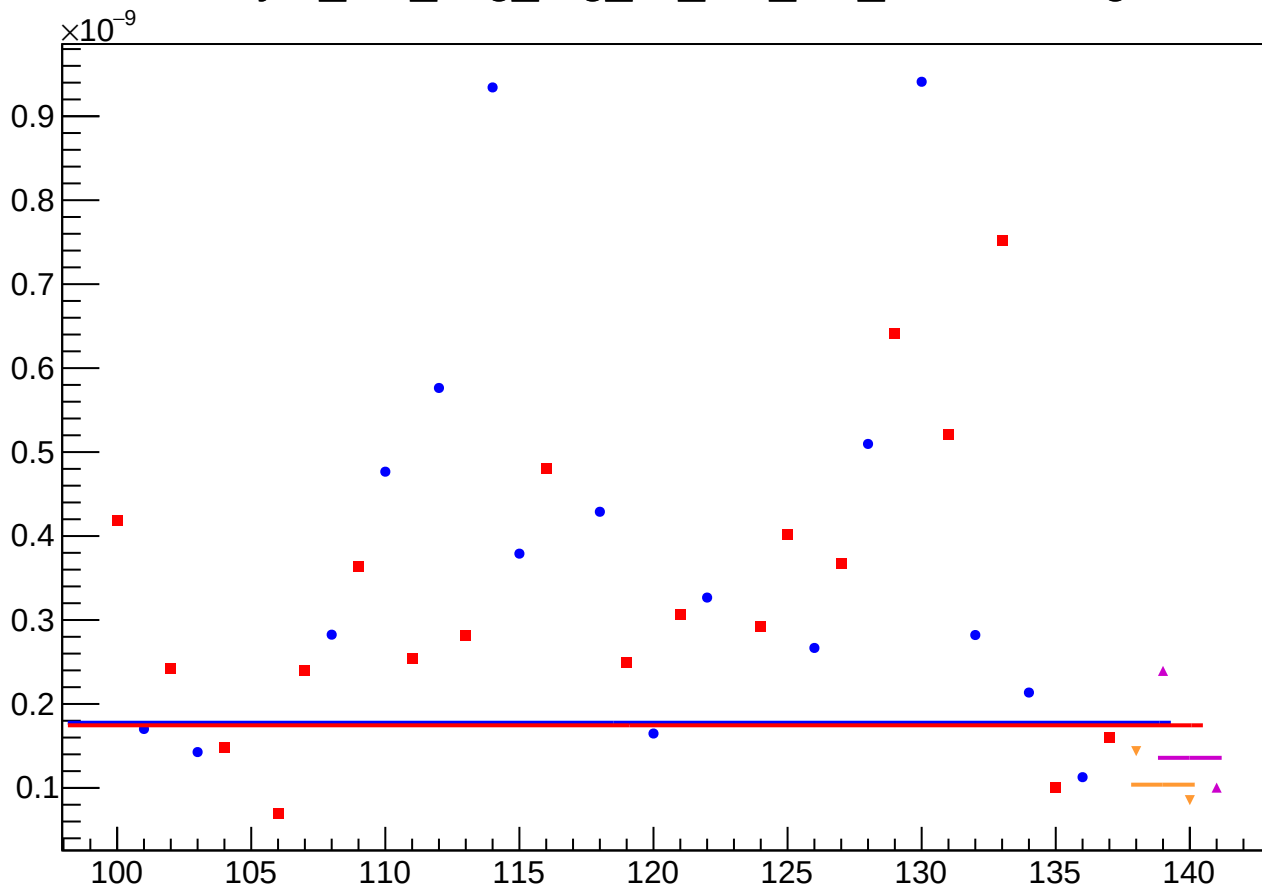
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 14.3/17

All: -0.000 ± 0.000 χ^2/NDF : 49.2/38

- sign -0.000 ± 0.000 χ^2/NDF : 34.8/20

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

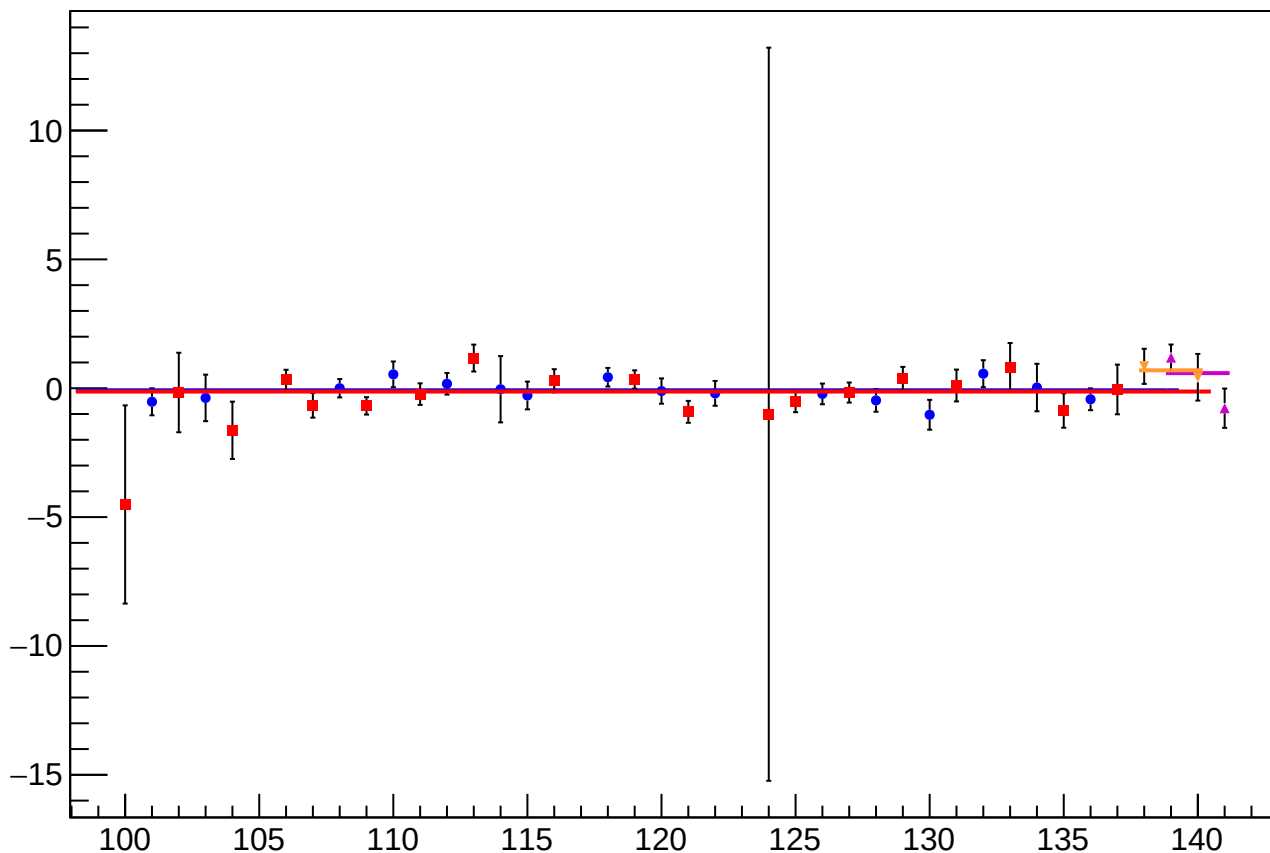
Left In: 0.000+/-0.000 χ^2/NDF : 244457.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 1958078.7/17

All: 0.000+/-0.000 χ^2/NDF : 3943952.3/38

- sign 0.000+/-0.000 χ^2/NDF : 1952199.0/20

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.696 ± 0.544 χ^2/NDF : 0.1/1

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

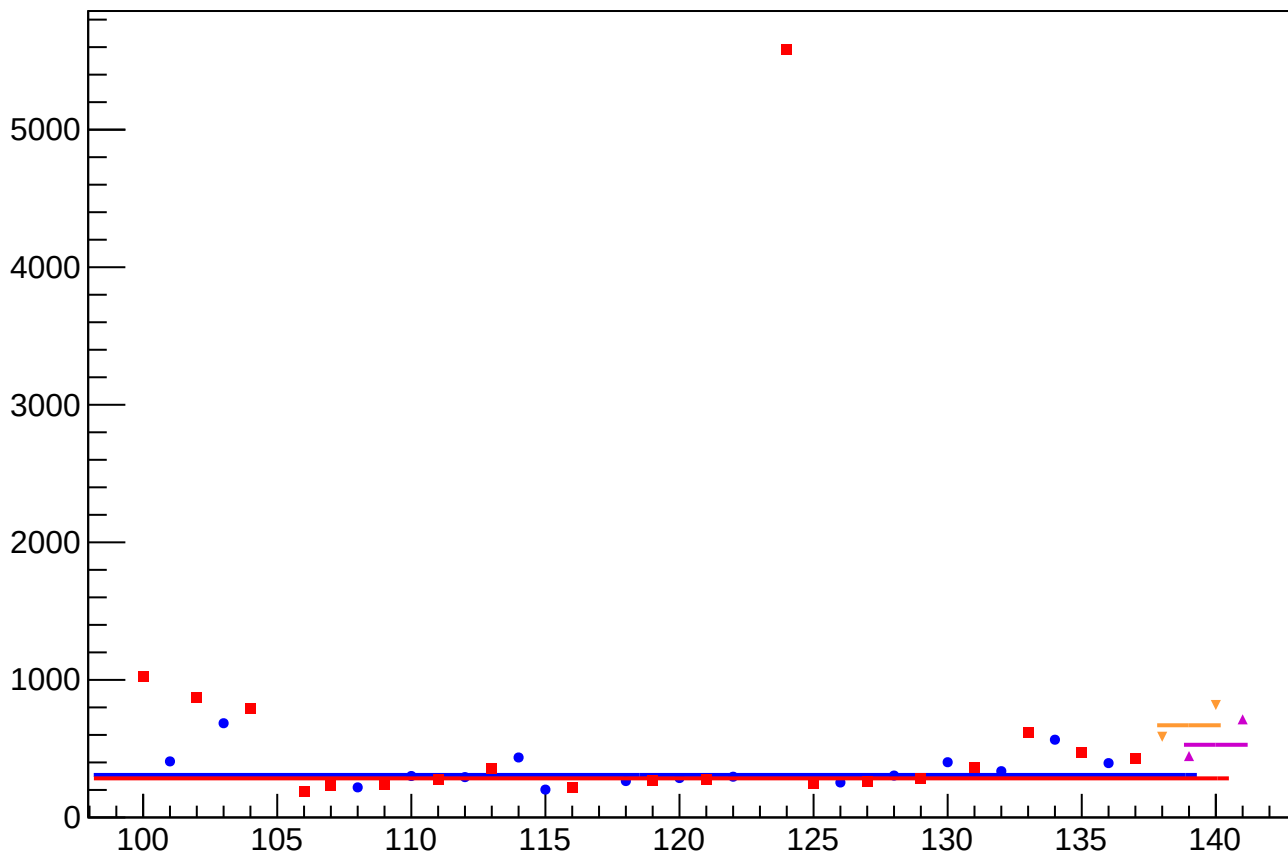
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.061 ± 0.082 χ^2/NDF : 45.4/38

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF : 1014604.9/15

Left Out: 670.145+/-0.385 χ^2/NDF : 83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF : 1856451.4/18

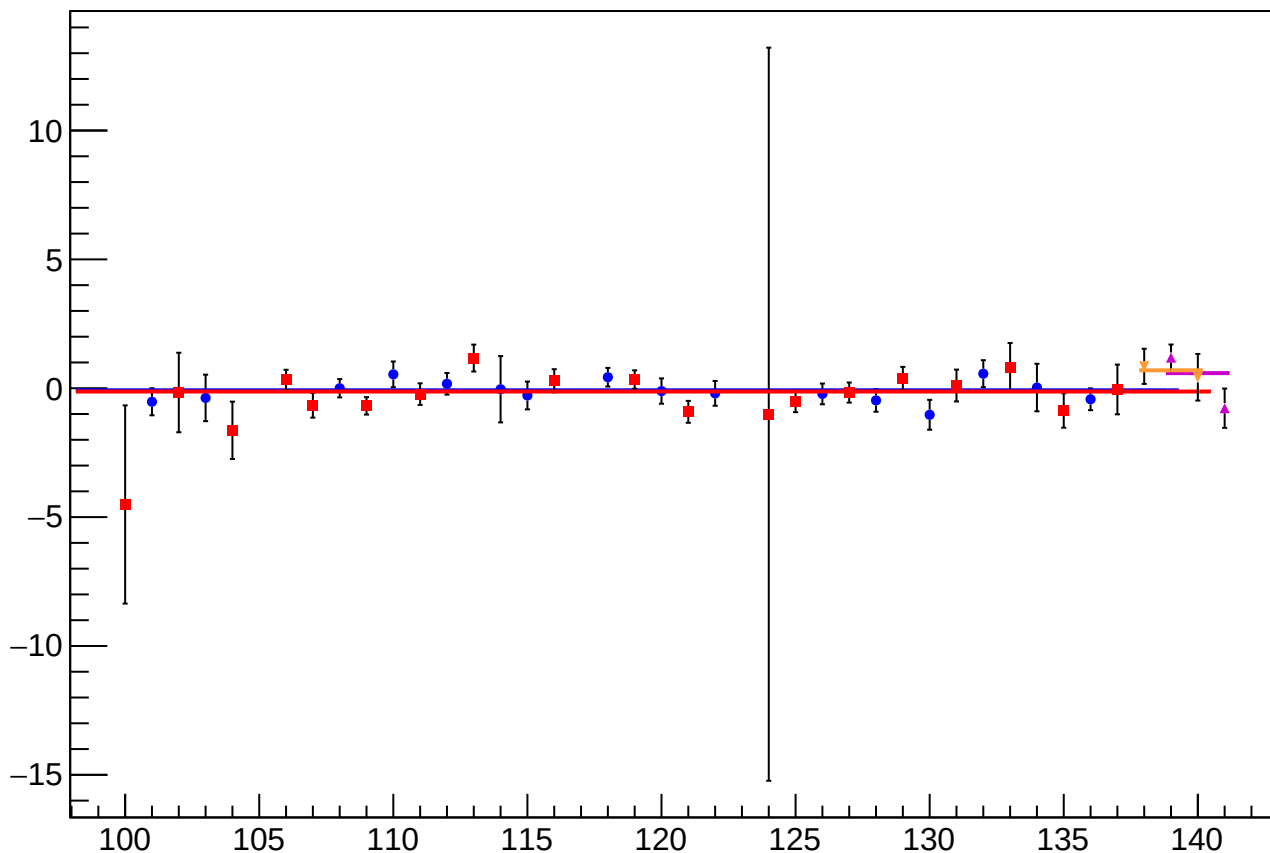
Left In: 528.296+/-0.299 χ^2/NDF : 169923.7/1

+ sign 326.332+/-0.084 χ^2/NDF : 1935829.4/17

All: 313.282+/-0.058 χ^2/NDF : 4628693.1/38

- sign 301.569+/-0.080 χ^2/NDF : 2647165.6/20

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

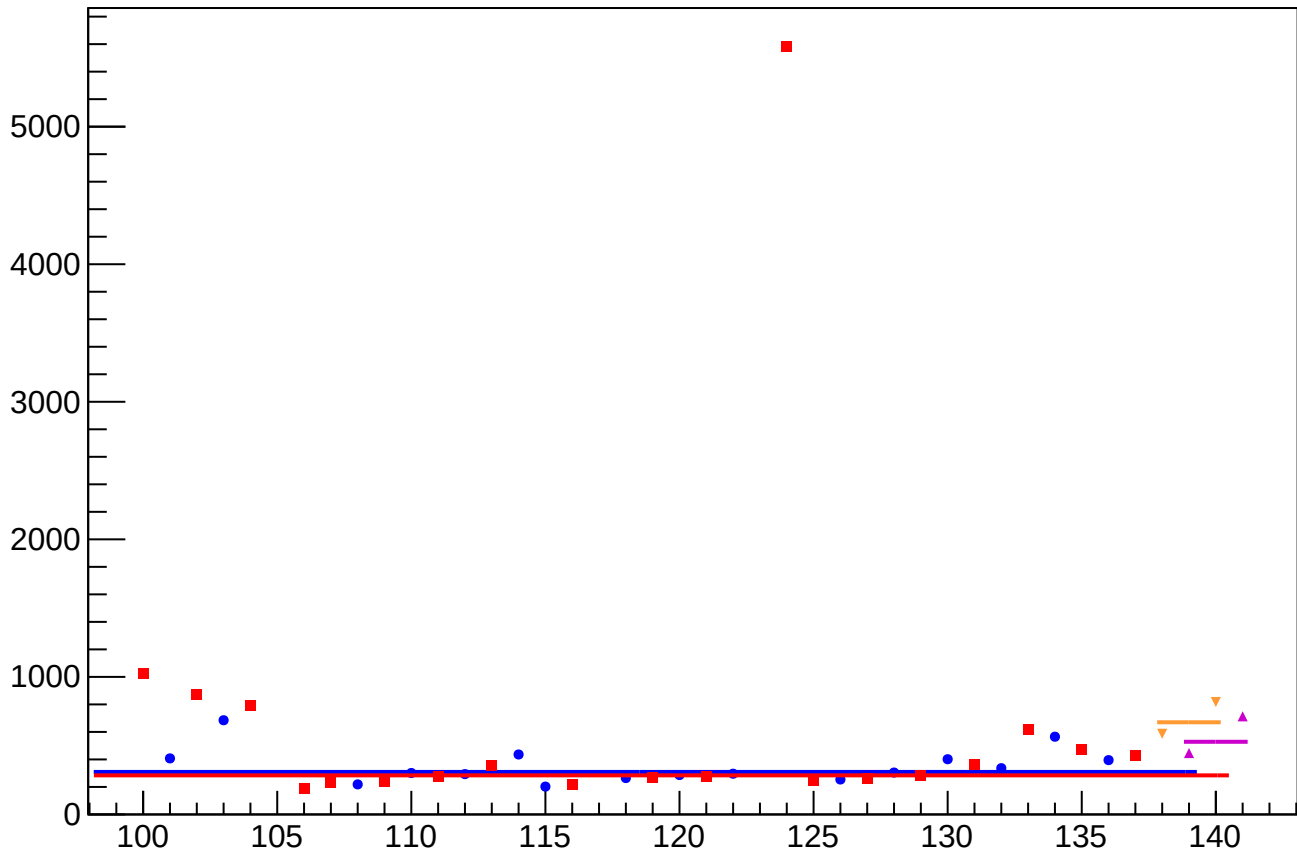
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.061 ± 0.082 χ^2/NDF : 45.4/38

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093 $\pm$ 0.086 χ^2 /NDF: 1014604.9/15

Left Out: 670.145 $\pm$ 0.385 χ^2 /NDF:83065.3/1

Right Out: 284.189 $\pm$ 0.083 χ^2 /NDF: 1856451.4/18

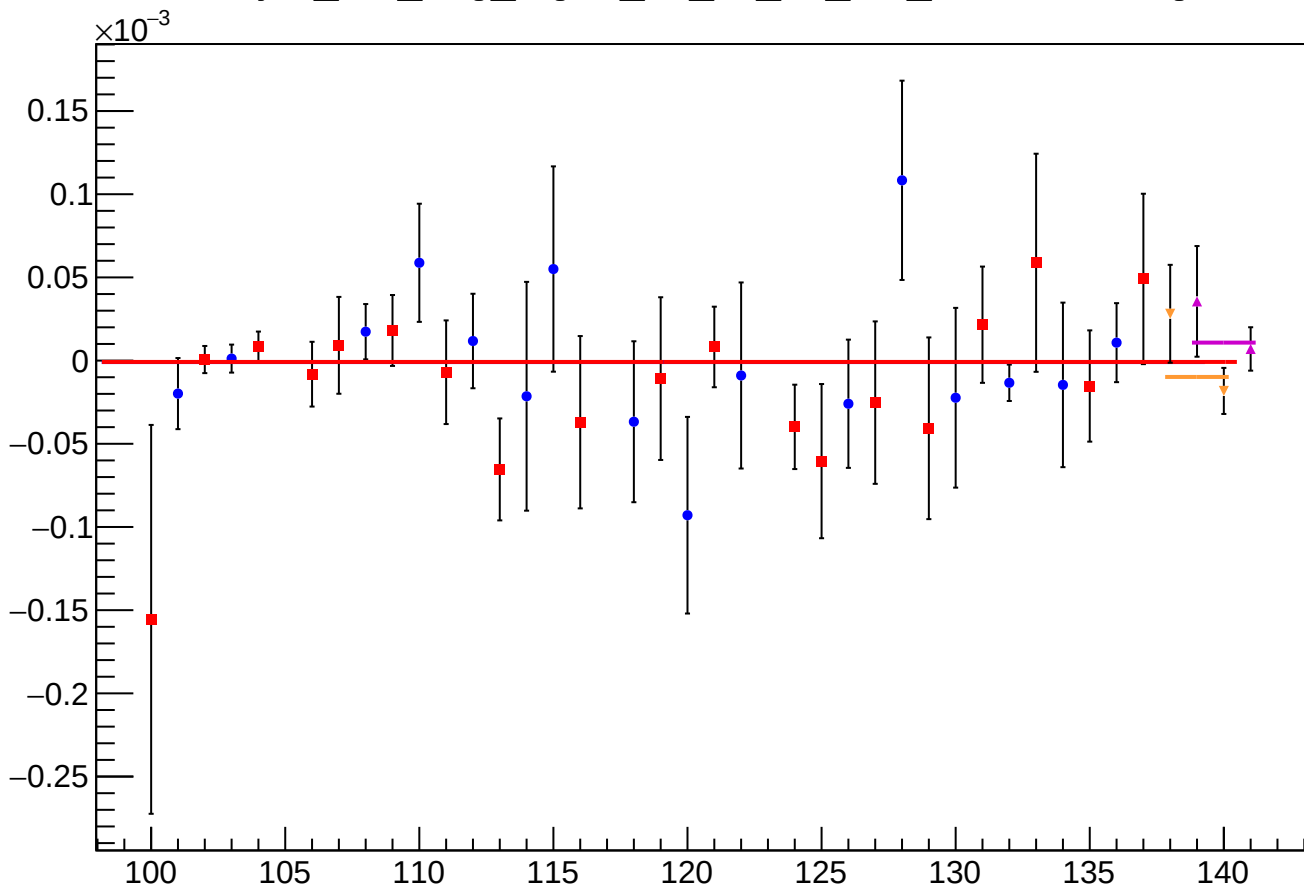
Left In: 528.296 $\pm$ 0.299 χ^2 /NDF:169923.7/1

+ sign 326.332 $\pm$ 0.084 χ^2 /NDF: 1935829.4/17

All: 313.282 $\pm$ 0.058 χ^2 /NDF: 4628693.1/38

- sign 301.569 $\pm$ 0.080 χ^2 /NDF: 2647165.6/20

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

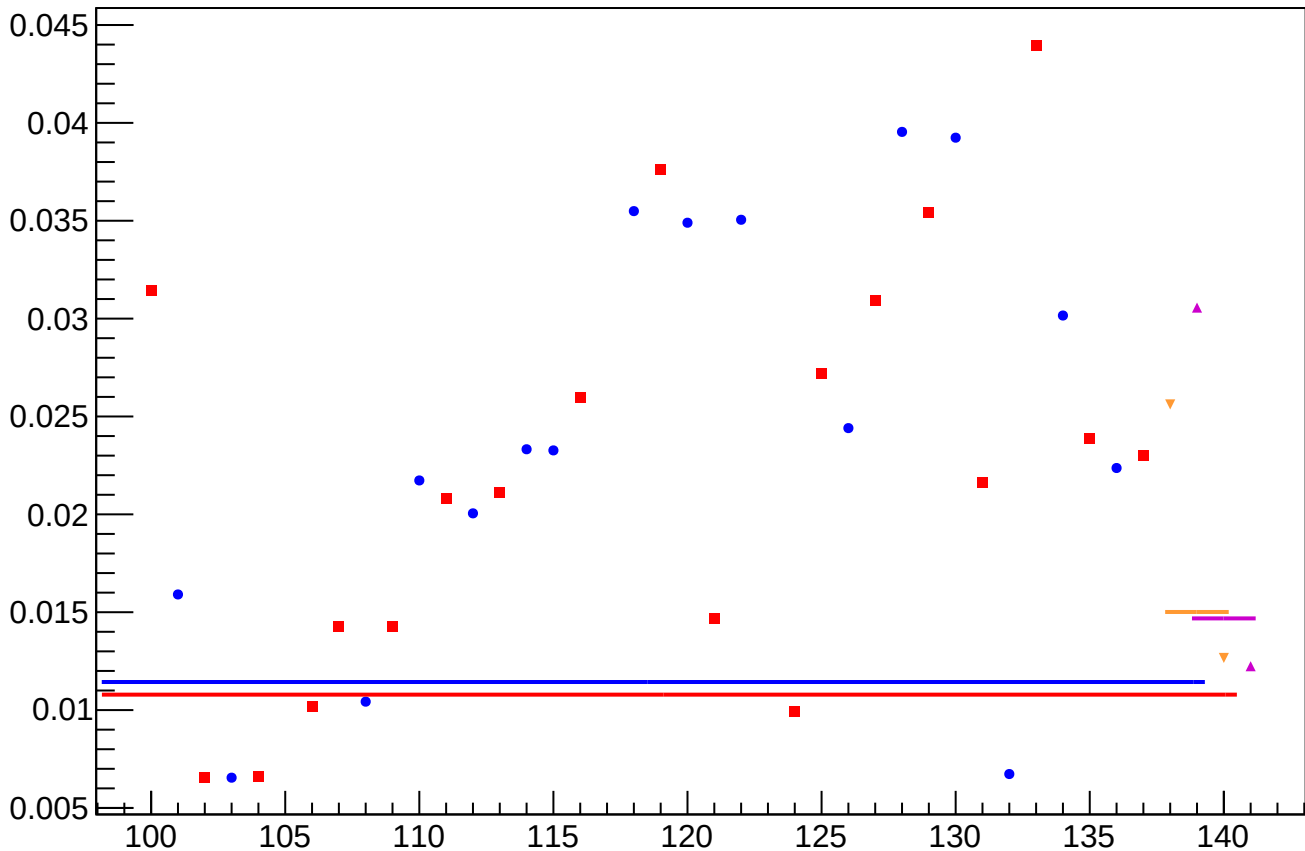
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/20

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 4699938.2/15

Left Out: 0.015+/-0.000 χ^2/NDF :317570.8/1

Right Out: 0.011+/-0.000 χ^2/NDF : 4473688.9/18

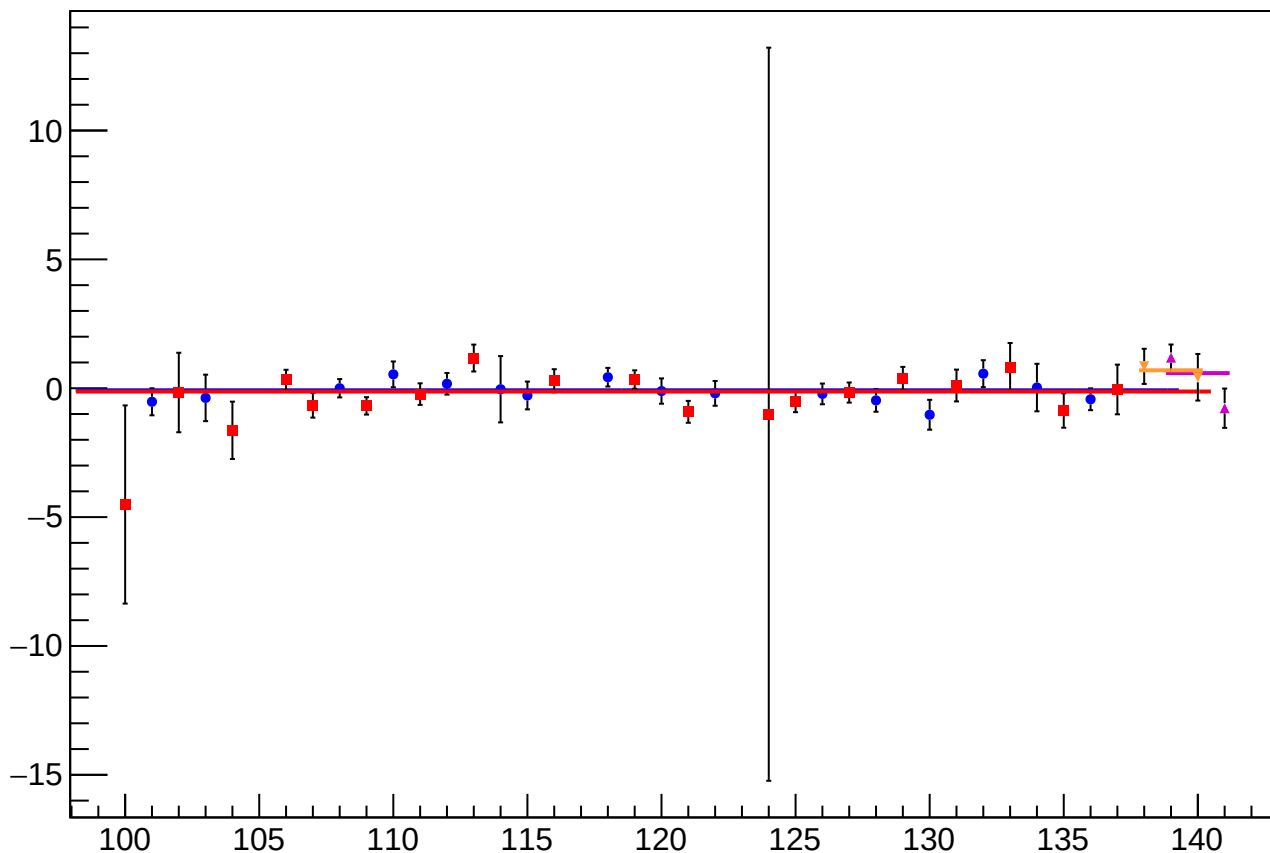
Left In: 0.015+/-0.000 χ^2/NDF :526056.1/1

+ sign 0.012+/-0.000 χ^2/NDF : 5155793.2/17

All: 0.012+/-0.000 χ^2/NDF : 10352624.9/38

- sign 0.011+/-0.000 χ^2/NDF : 5177227.1/20

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

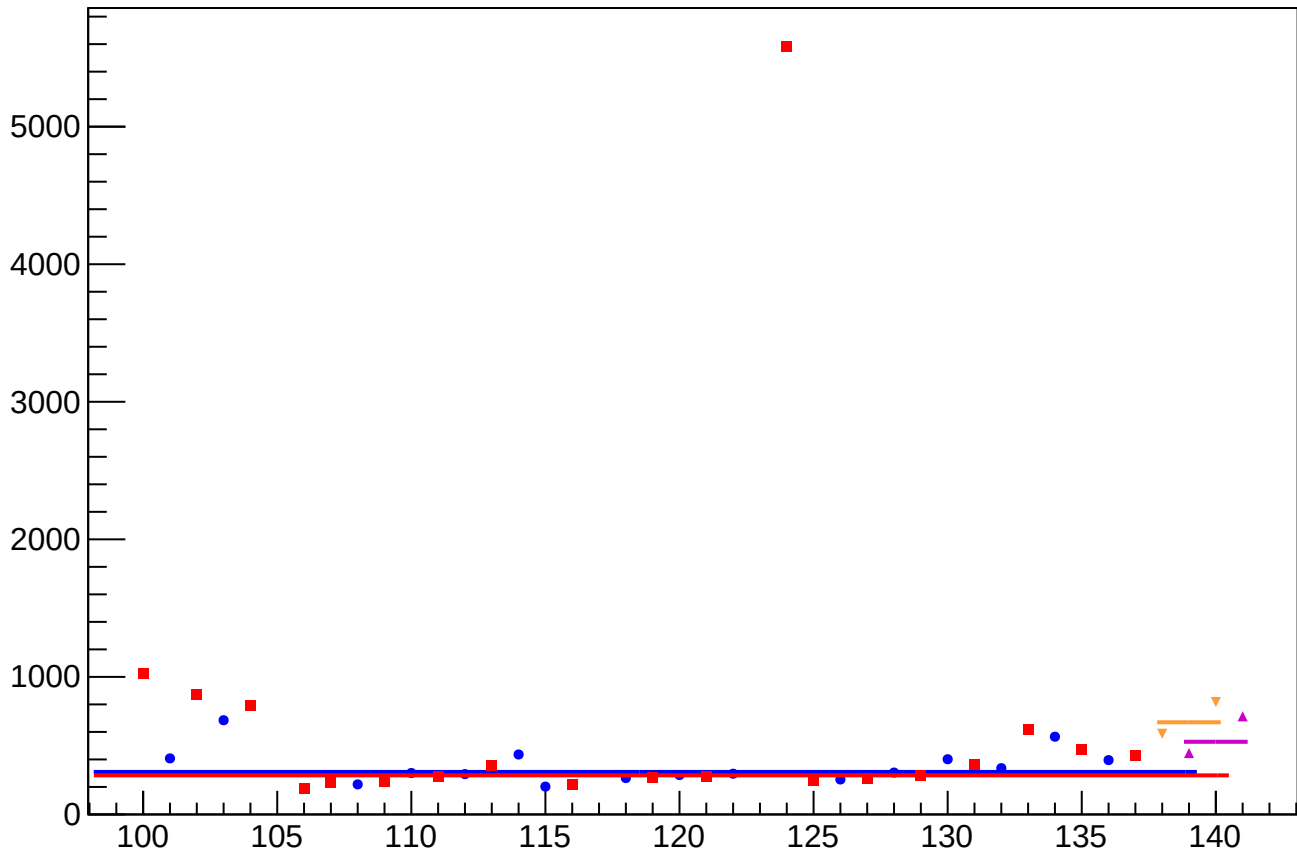
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.061 ± 0.082 χ^2/NDF : 45.4/38

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF : 1014573.4/15

Left Out: 670.151+/-0.385 χ^2/NDF : 83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF : 1856434.1/18

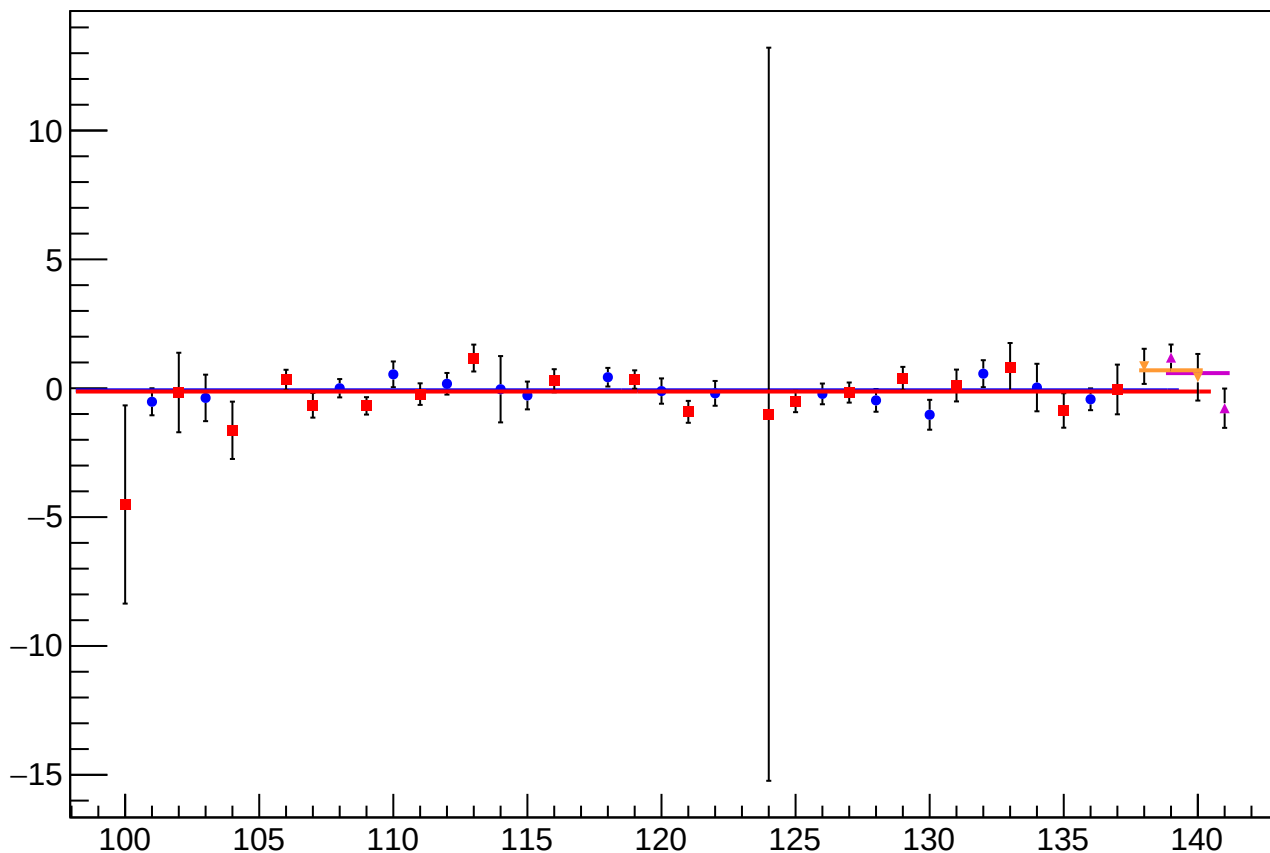
Left In: 528.306+/-0.299 χ^2/NDF : 169911.8/1

+ sign 326.331+/-0.084 χ^2/NDF : 1935814.9/17

All: 313.282+/-0.058 χ^2/NDF : 4628683.4/38

- sign 301.568+/-0.080 χ^2/NDF : 2647171.1/20

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

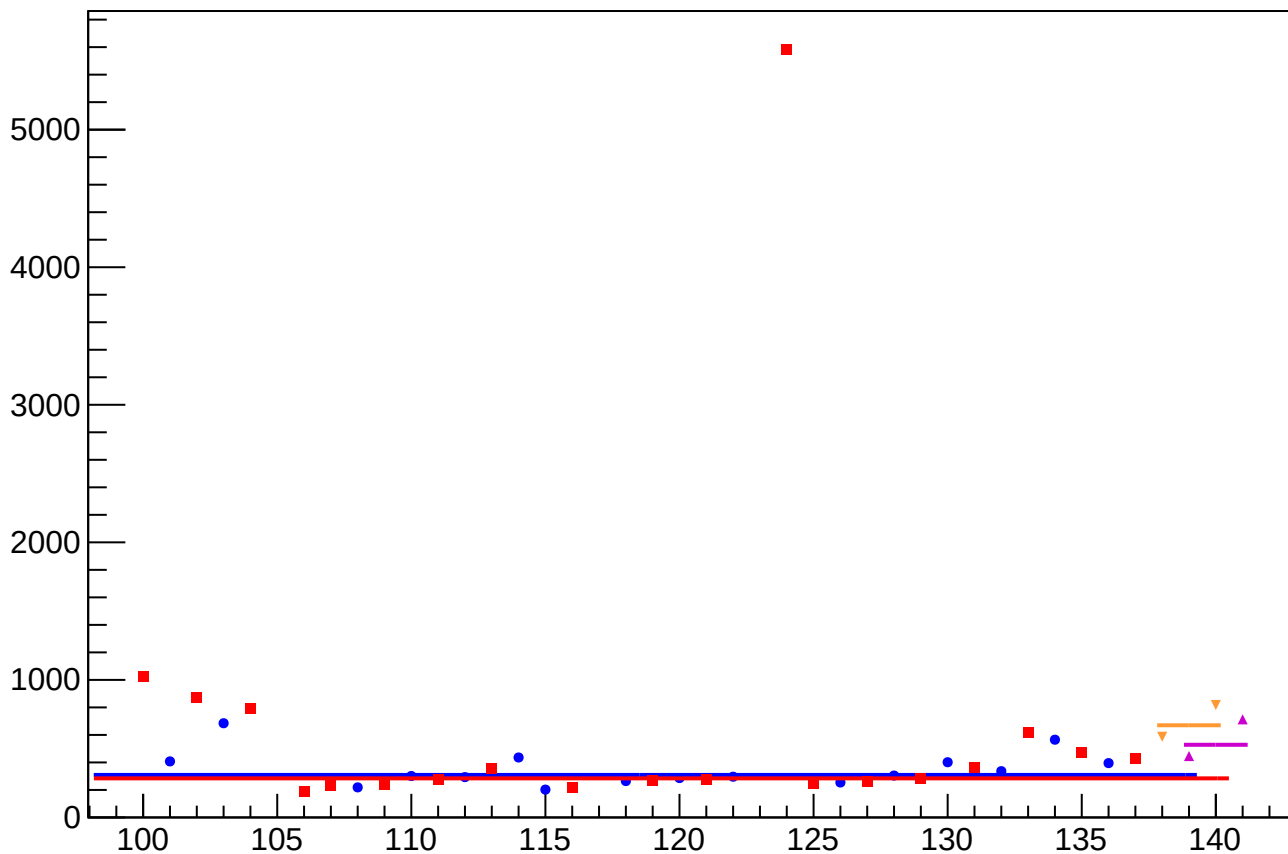
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.043 ± 0.119 χ^2/NDF : 12.8/17

All: -0.061 ± 0.082 χ^2/NDF : 45.4/38

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

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

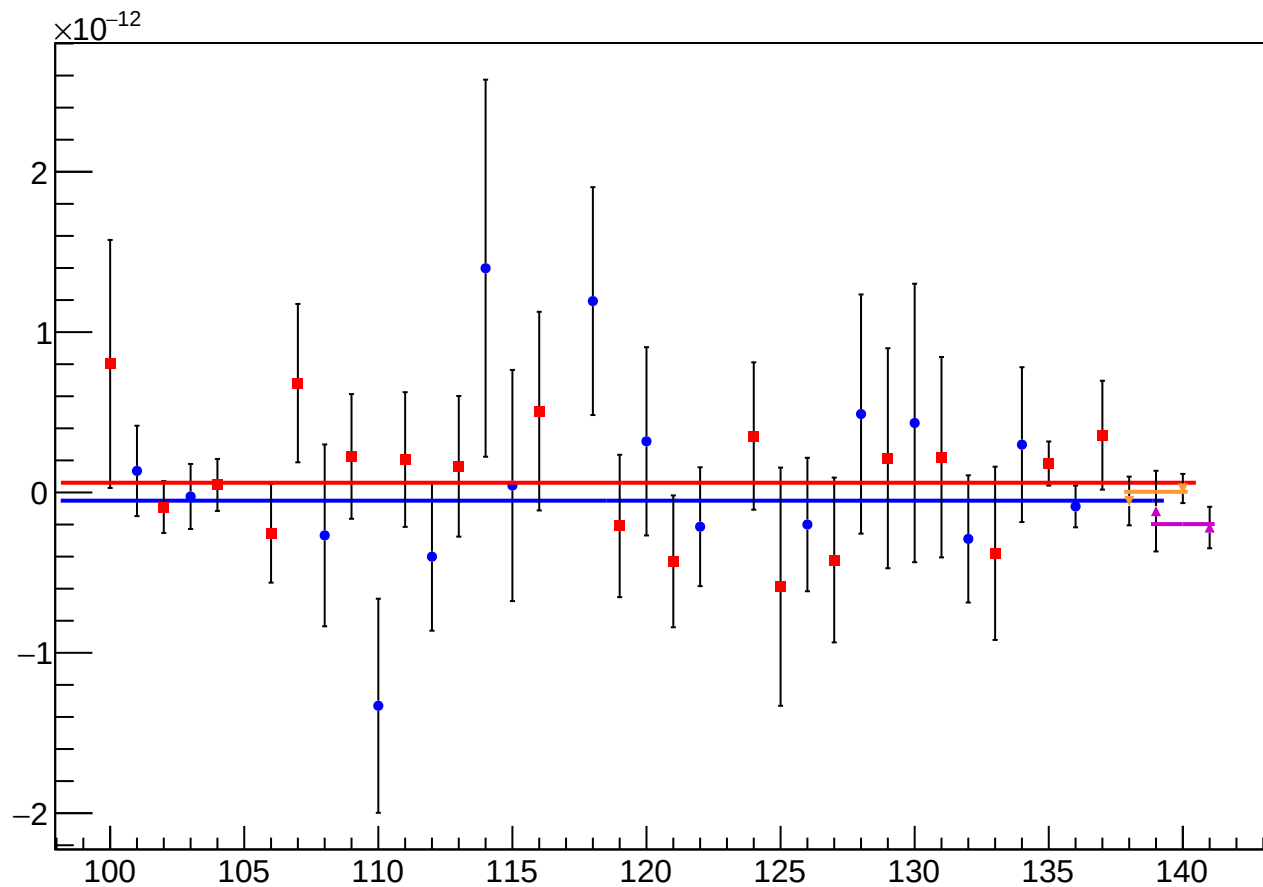
Left In: 528.306+/-0.299 χ^2/NDF : 169911.8/1

+ sign 326.331+/-0.084 χ^2/NDF : 1935814.9/17

All: 313.282+/-0.058 χ^2/NDF : 4628683.4/38

- sign 301.568+/-0.080 χ^2/NDF : 2647171.1/20

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.0/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.2/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 11.4/18

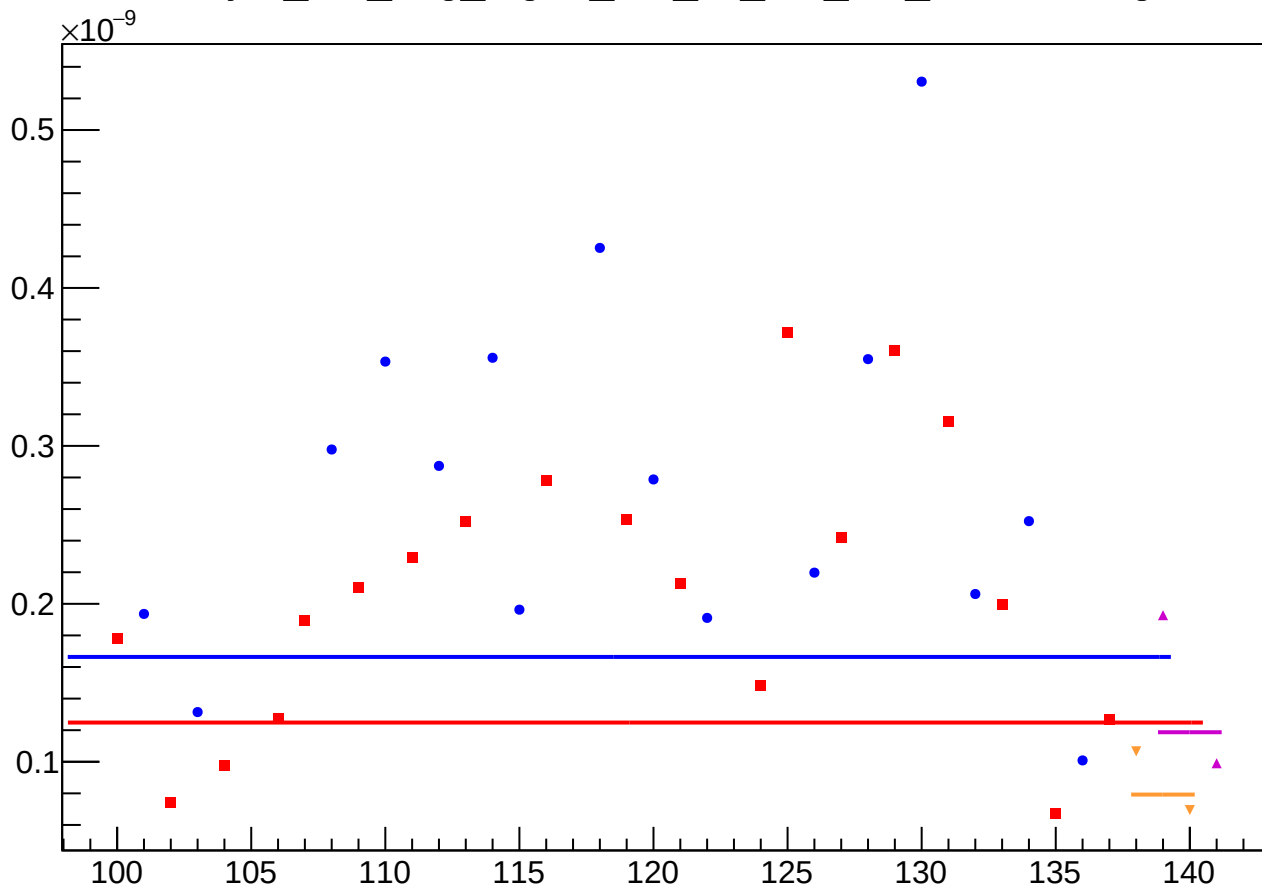
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 12.4/17

All: -0.000 ± 0.000 χ^2/NDF : 27.6/38

- sign -0.000 ± 0.000 χ^2/NDF : 15.2/20

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

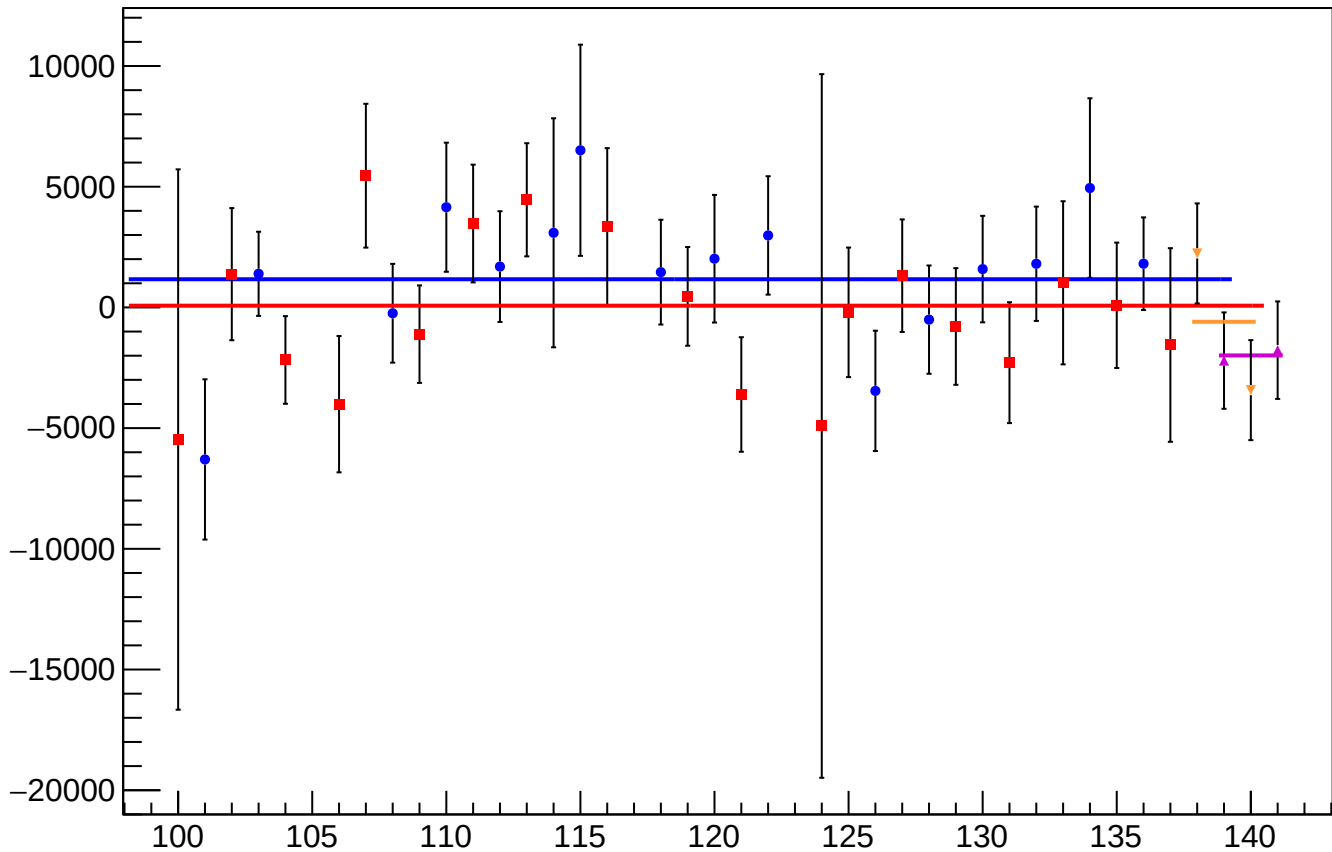
Left In: 0.000+/-0.000 χ^2/NDF : 219577.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 3220332.5/17

All: 0.000+/-0.000 χ^2/NDF : 5657791.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2433272.2/20

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

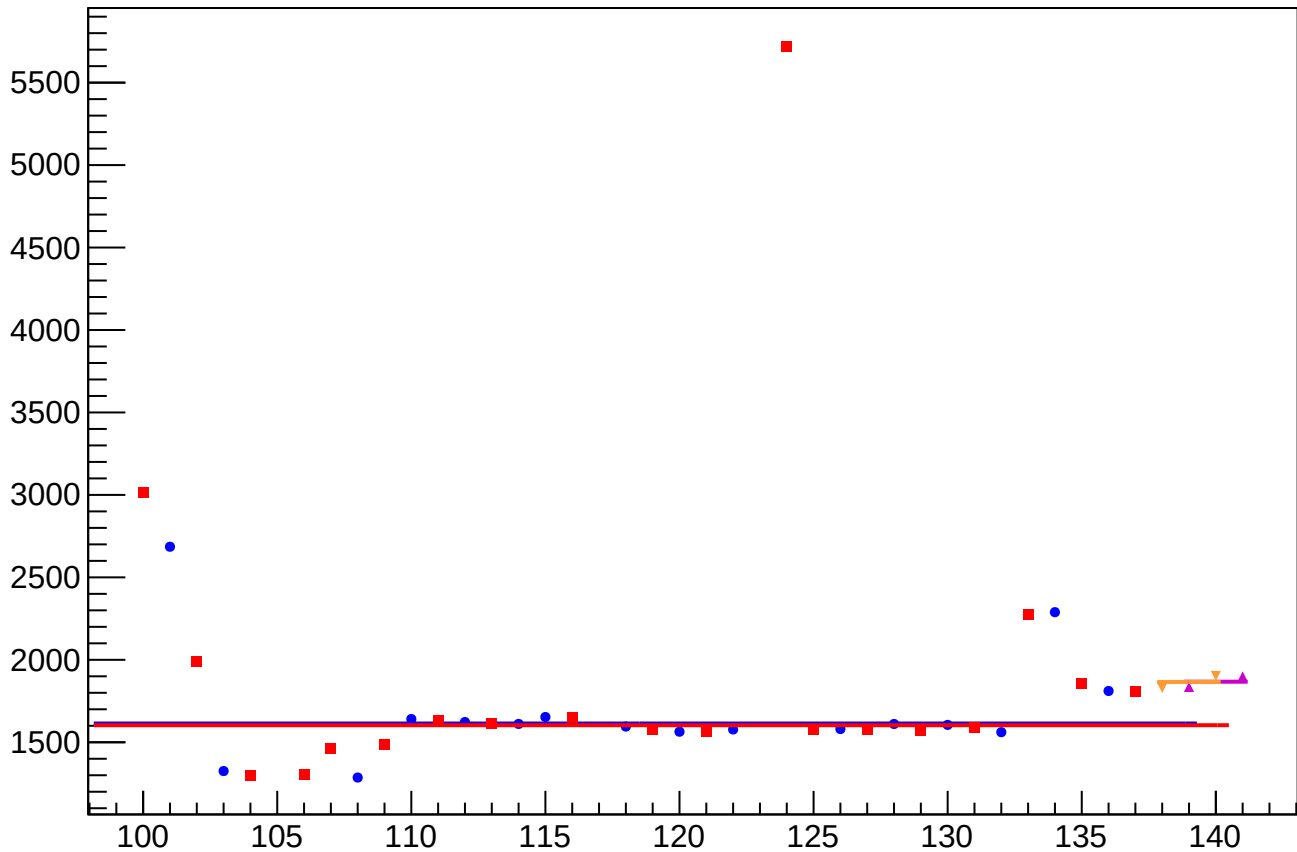
Left In: -1989.033 $\pm$ 1419.510 χ^2 /NDF: 0.0/1

+ sign 907.081 $\pm$ 562.455 χ^2 /NDF: 19.4/17

All: 324.546 $\pm$ 395.155 χ^2 /NDF: 41.6/38

- sign -243.228 $\pm$ 555.282 χ^2 /NDF: 20.1/20

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

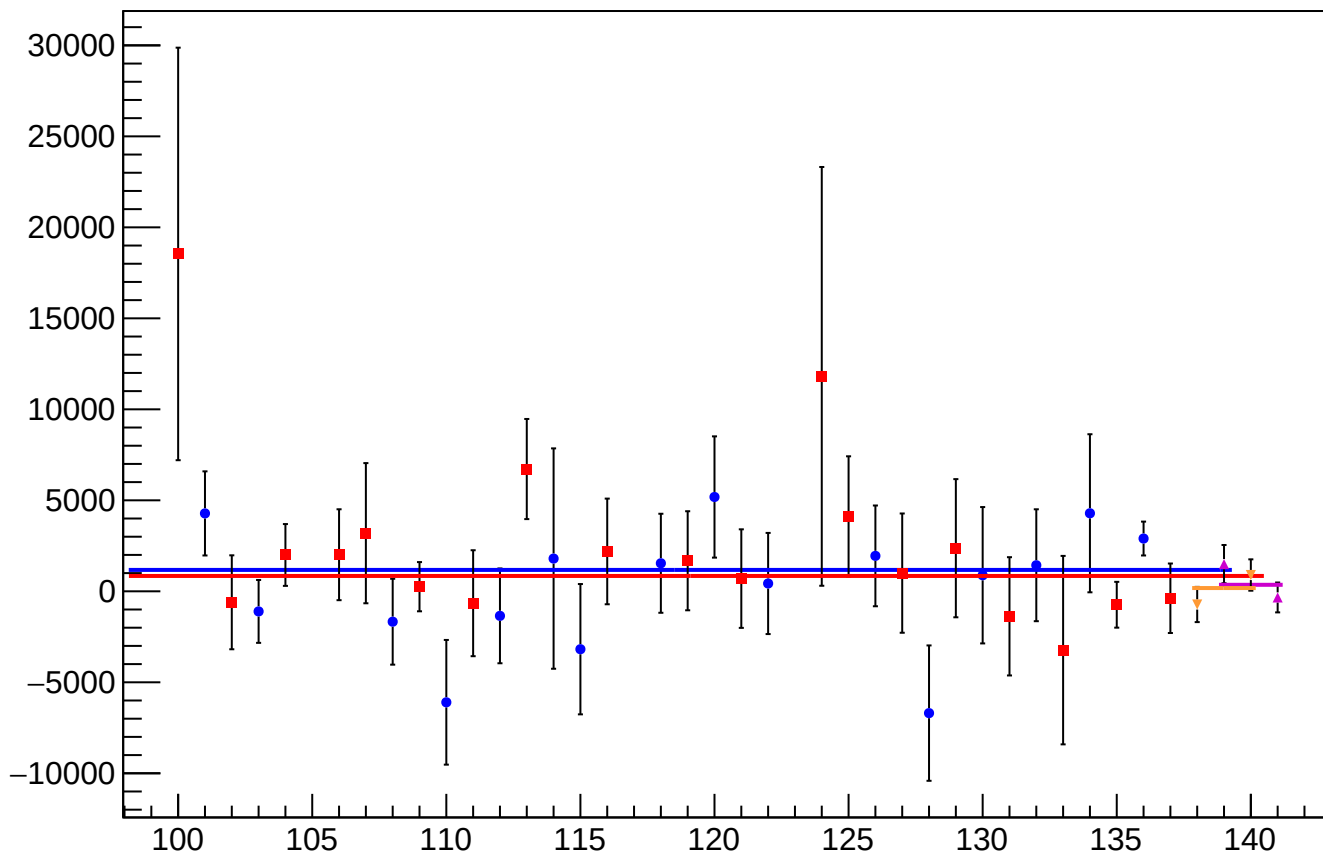
Left In: 1867.217 $\pm$ 1.004 χ^2 /NDF:1013.3/1

+ sign 1650.860 $\pm$ 0.398 χ^2 /NDF: 456442.7/17

All: 1647.297 $\pm$ 0.279 χ^2 /NDF: 941889.4/38

- sign 1643.824 $\pm$ 0.393 χ^2 /NDF: 485288.3/20

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479 $\pm$ 579.062 χ^2 /NDF: 22.0/15

Left Out: 179.003 $\pm$ 643.358 χ^2 /NDF: 1.6/1

Right Out: 843.857 $\pm$ 557.438 χ^2 /NDF: 14.3/18

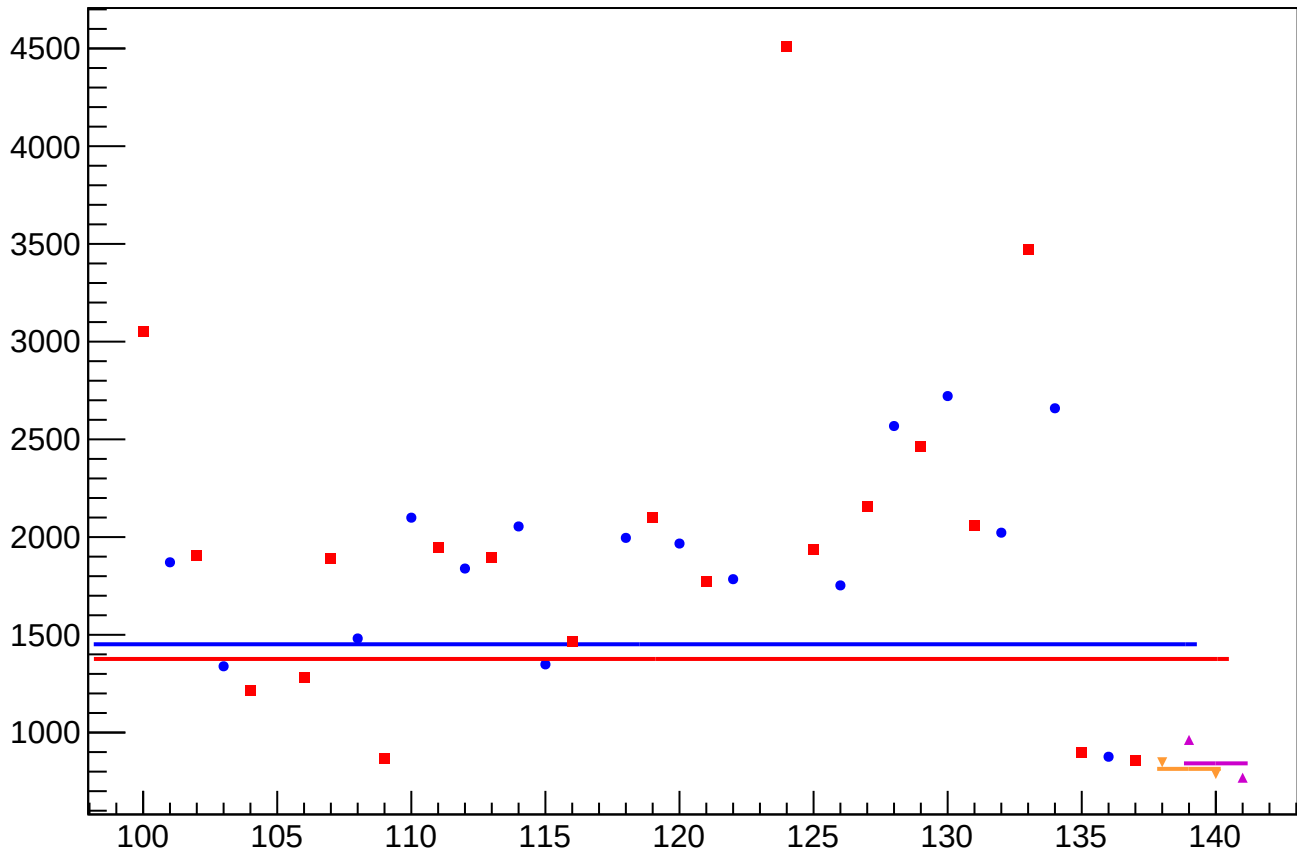
Left In: 357.244 $\pm$ 646.666 χ^2 /NDF: 1.9/1

+ sign 729.508 $\pm$ 430.400 χ^2 /NDF: 24.9/17

All: 682.067 $\pm$ 301.405 χ^2 /NDF: 41.4/38

- sign 636.413 $\pm$ 422.220 χ^2 /NDF: 16.5/20

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF : 1790839.5/15

Left Out: 814.120+/-0.455 χ^2/NDF : 4321.4/1

Right Out: 1376.470+/-0.394 χ^2/NDF : 2132051.1/18

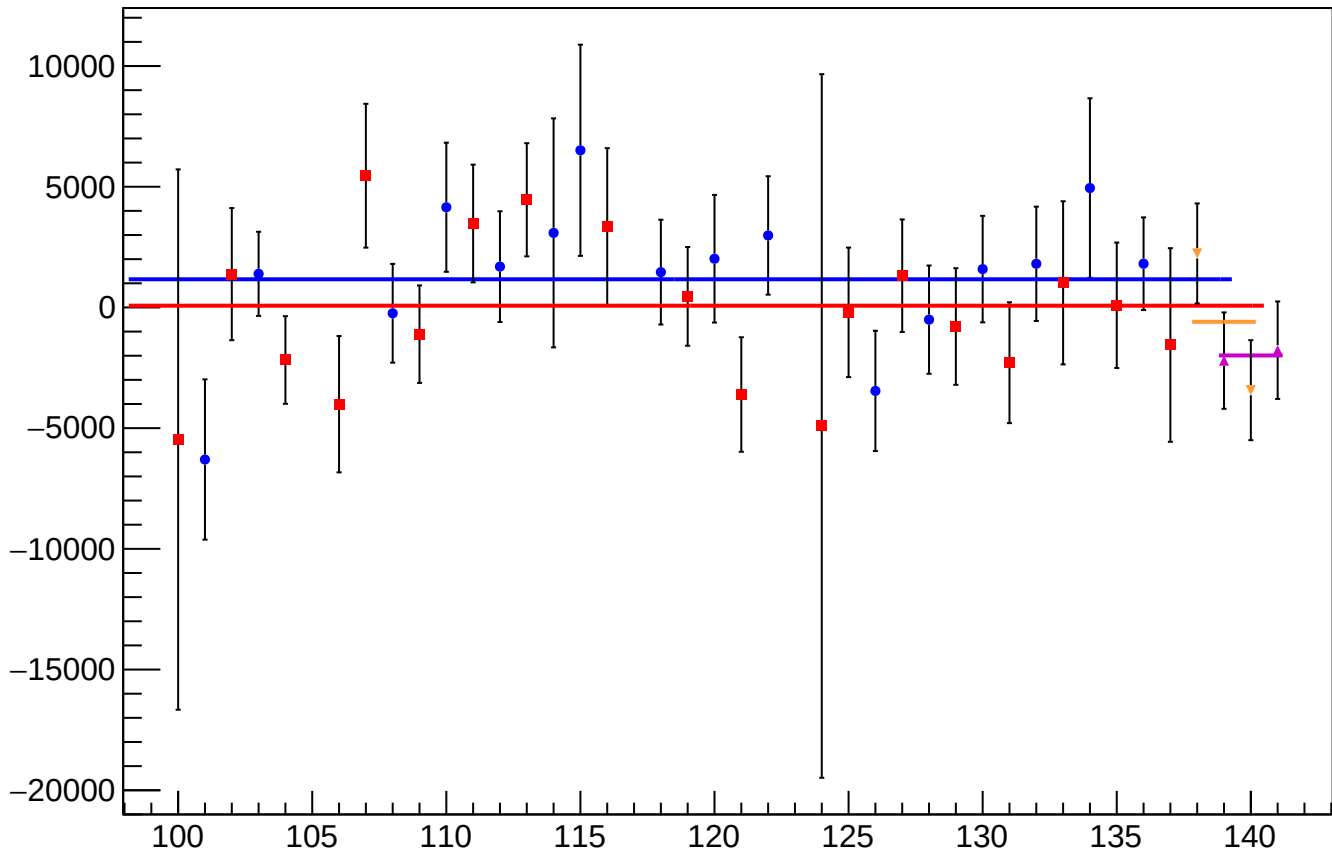
Left In: 842.299+/-0.457 χ^2/NDF : 42056.5/1

+ sign 1166.314+/-0.304 χ^2/NDF : 2880073.9/17

All: 1157.365+/-0.213 χ^2/NDF : 5838791.9/38

- sign 1148.752+/-0.299 χ^2/NDF : 2957021.0/20

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

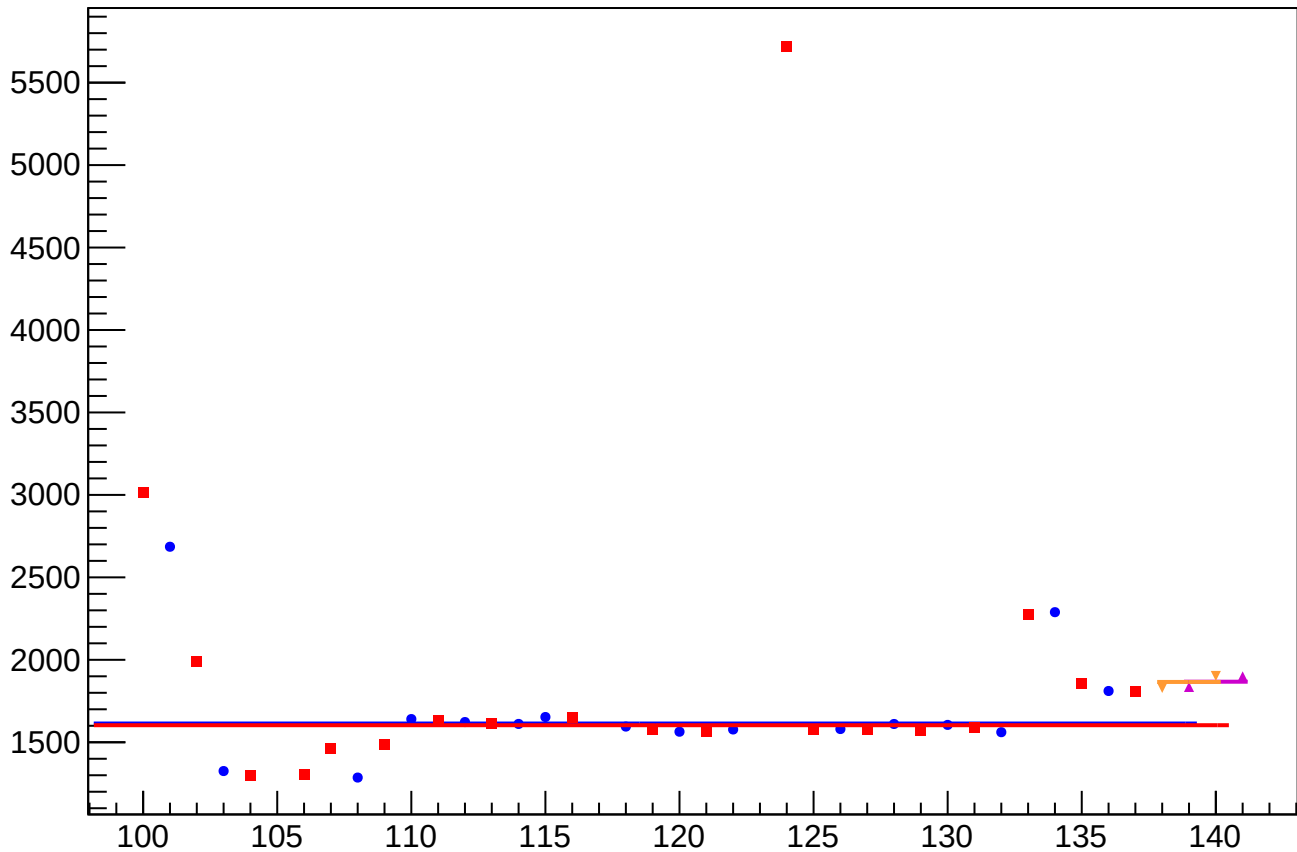
Left In: -1989.263 $\pm$ 1419.510 χ^2 /NDF: 0.0/1

+ sign 906.990 $\pm$ 562.455 χ^2 /NDF: 19.4/17

All: 324.619 $\pm$ 395.155 χ^2 /NDF: 41.6/38

- sign -242.994 $\pm$ 555.282 χ^2 /NDF: 20.1/20

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF : 404688.8/15

Left Out: 1865.788+/-1.036 χ^2/NDF :1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF : 425793.4/18

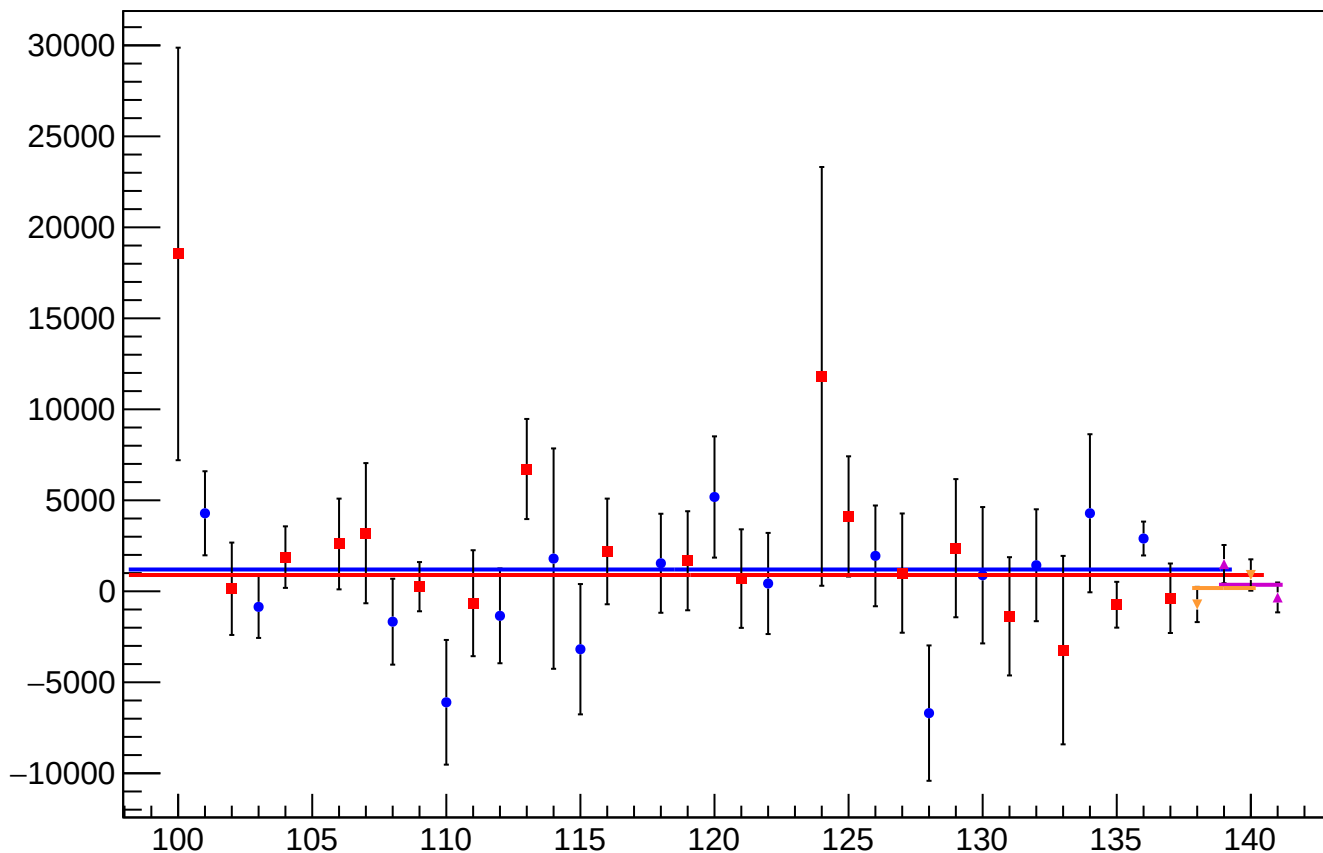
Left In: 1867.217+/-1.004 χ^2/NDF :1013.3/1

+ sign 1650.859+/-0.398 χ^2/NDF : 456443.0/17

All: 1647.296+/-0.279 χ^2/NDF : 941889.8/38

- sign 1643.824+/-0.393 χ^2/NDF : 485288.3/20

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

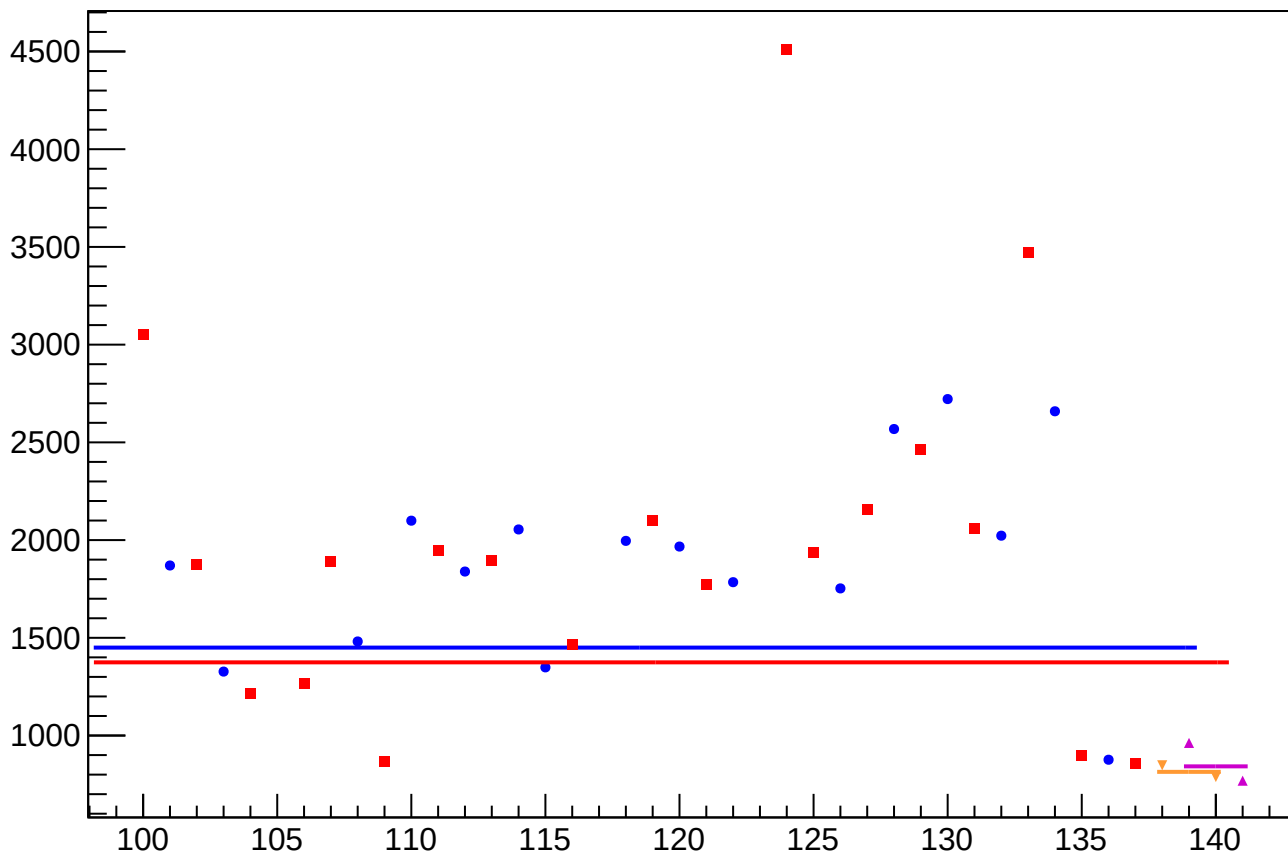
Left In: 357.550 $\pm$ 646.652 χ^2 /NDF: 1.9/1

+ sign 742.982 $\pm$ 430.067 χ^2 /NDF: 24.6/17

All: 704.011 $\pm$ 301.167 χ^2 /NDF: 41.1/38

- sign 666.509 $\pm$ 421.880 χ^2 /NDF: 16.5/20

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF : 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF : 4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF : 2127695.6/18

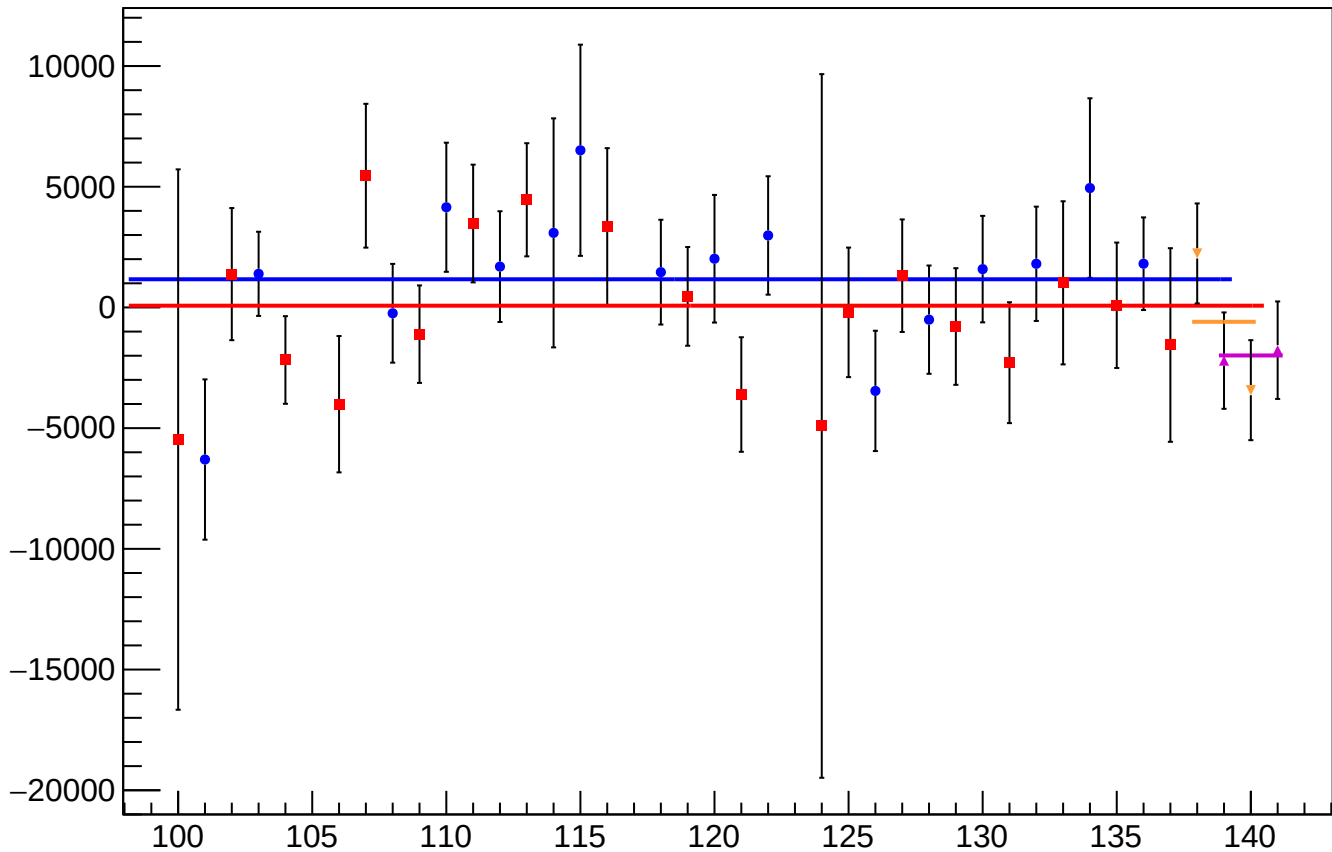
Left In: 842.278+/-0.457 χ^2/NDF : 42070.1/1

+ sign 1165.843+/-0.304 χ^2/NDF : 2877418.2/17

All: 1156.715+/-0.213 χ^2/NDF : 5826916.9/38

- sign 1147.932+/-0.298 χ^2/NDF : 2947731.0/20

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

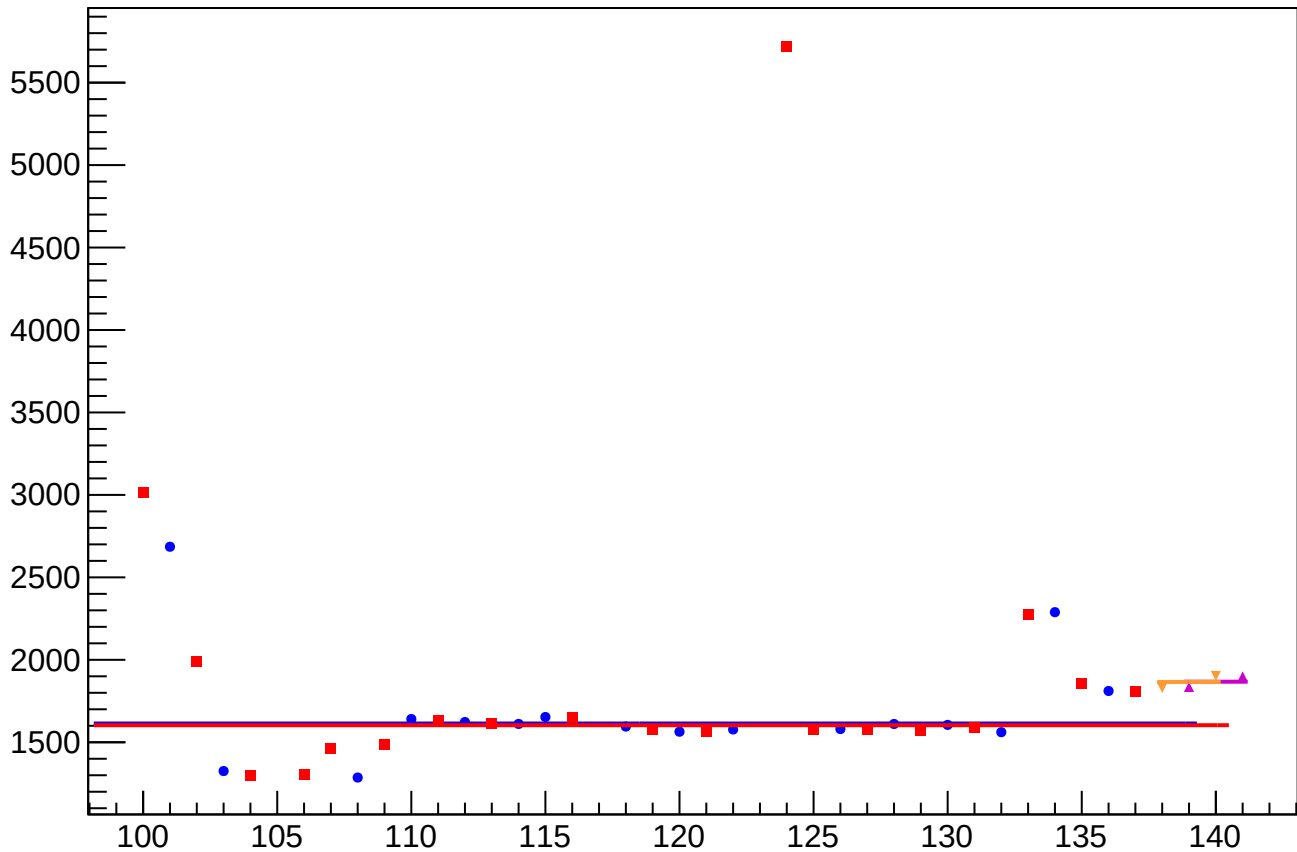
Left In: -1989.263 $\pm$ 1419.510 χ^2 /NDF: 0.0/1

+ sign 906.990 $\pm$ 562.455 χ^2 /NDF: 19.4/17

All: 324.619 $\pm$ 395.155 χ^2 /NDF: 41.6/38

- sign -242.994 $\pm$ 555.282 χ^2 /NDF: 20.1/20

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF : 404688.8/15

Left Out: 1865.788+/-1.036 χ^2/NDF :1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF : 425793.4/18

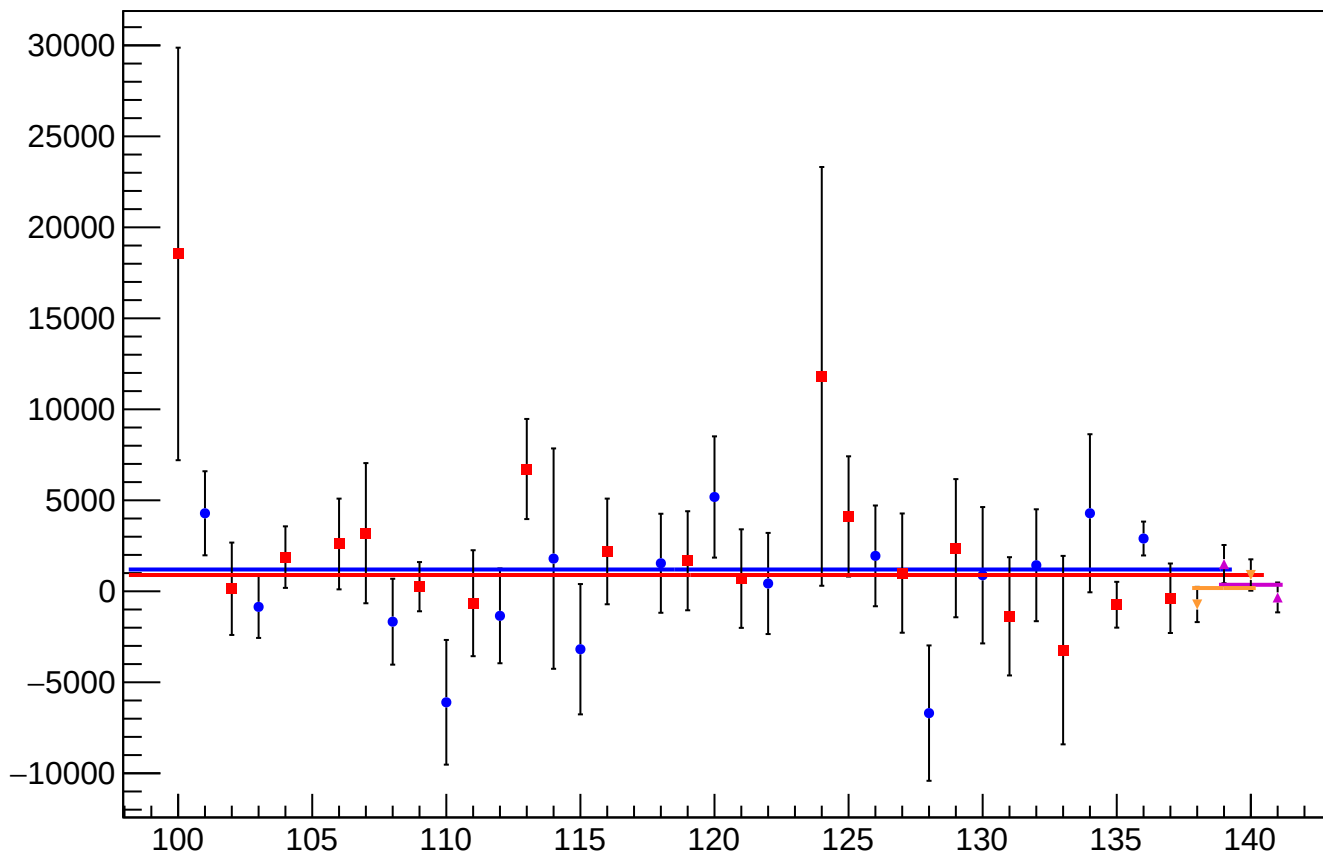
Left In: 1867.217+/-1.004 χ^2/NDF :1013.3/1

+ sign 1650.859+/-0.398 χ^2/NDF : 456443.0/17

All: 1647.296+/-0.279 χ^2/NDF : 941889.8/38

- sign 1643.824+/-0.393 χ^2/NDF : 485288.3/20

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

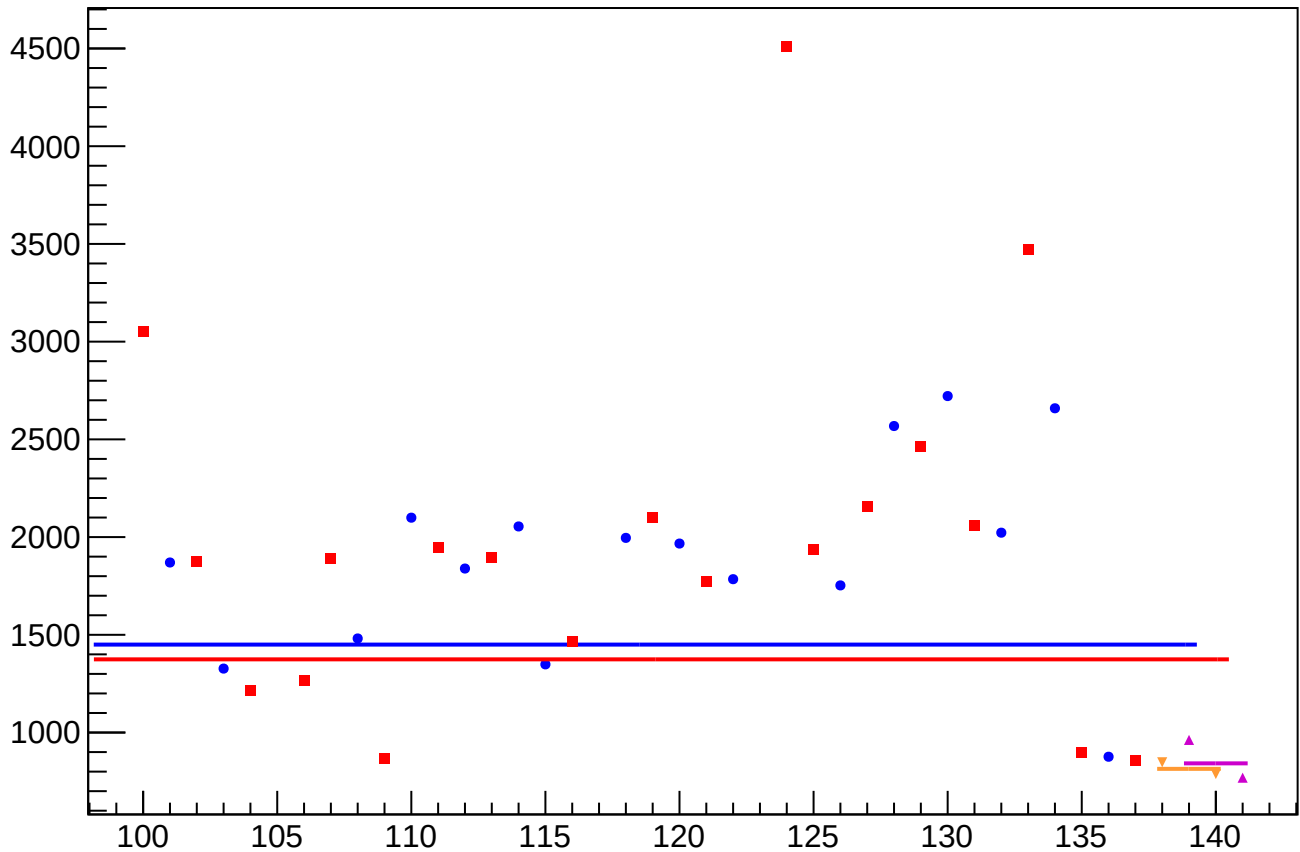
Left In: 357.550 $\pm$ 646.652 χ^2 /NDF: 1.9/1

+ sign 742.982 $\pm$ 430.067 χ^2 /NDF: 24.6/17

All: 704.011 $\pm$ 301.167 χ^2 /NDF: 41.1/38

- sign 666.509 $\pm$ 421.880 χ^2 /NDF: 16.5/20

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF : 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF : 4316.0/1

+ sign 1165.843+/-0.304 χ^2/NDF : 2877418.2/17

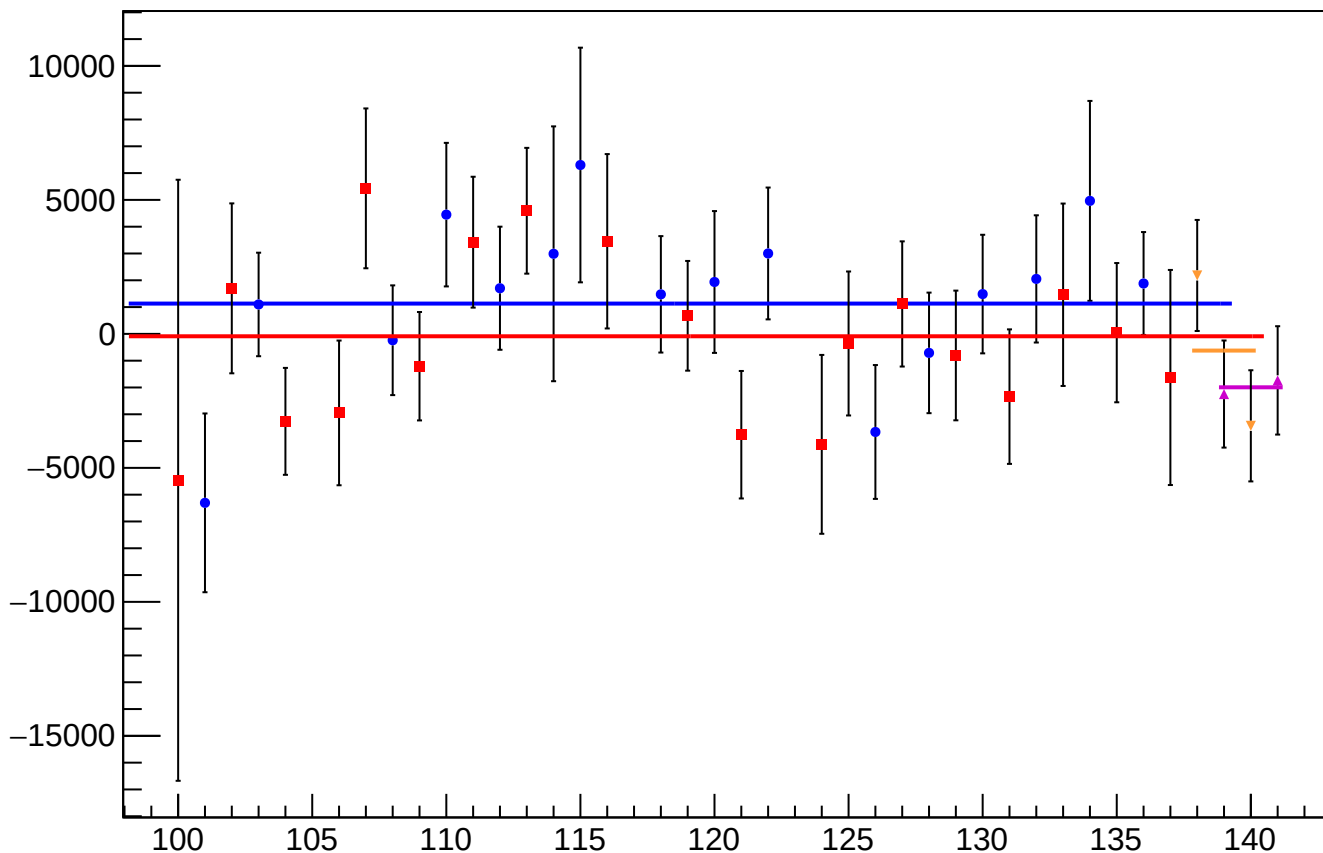
Right Out: 1374.438+/-0.394 χ^2/NDF : 2127695.6/18

All: 1156.715+/-0.213 χ^2/NDF : 5826916.9/38

- sign 1147.932+/-0.298 χ^2/NDF : 2947731.0/20

Left In: 842.278+/-0.457 χ^2/NDF : 42070.1/1

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

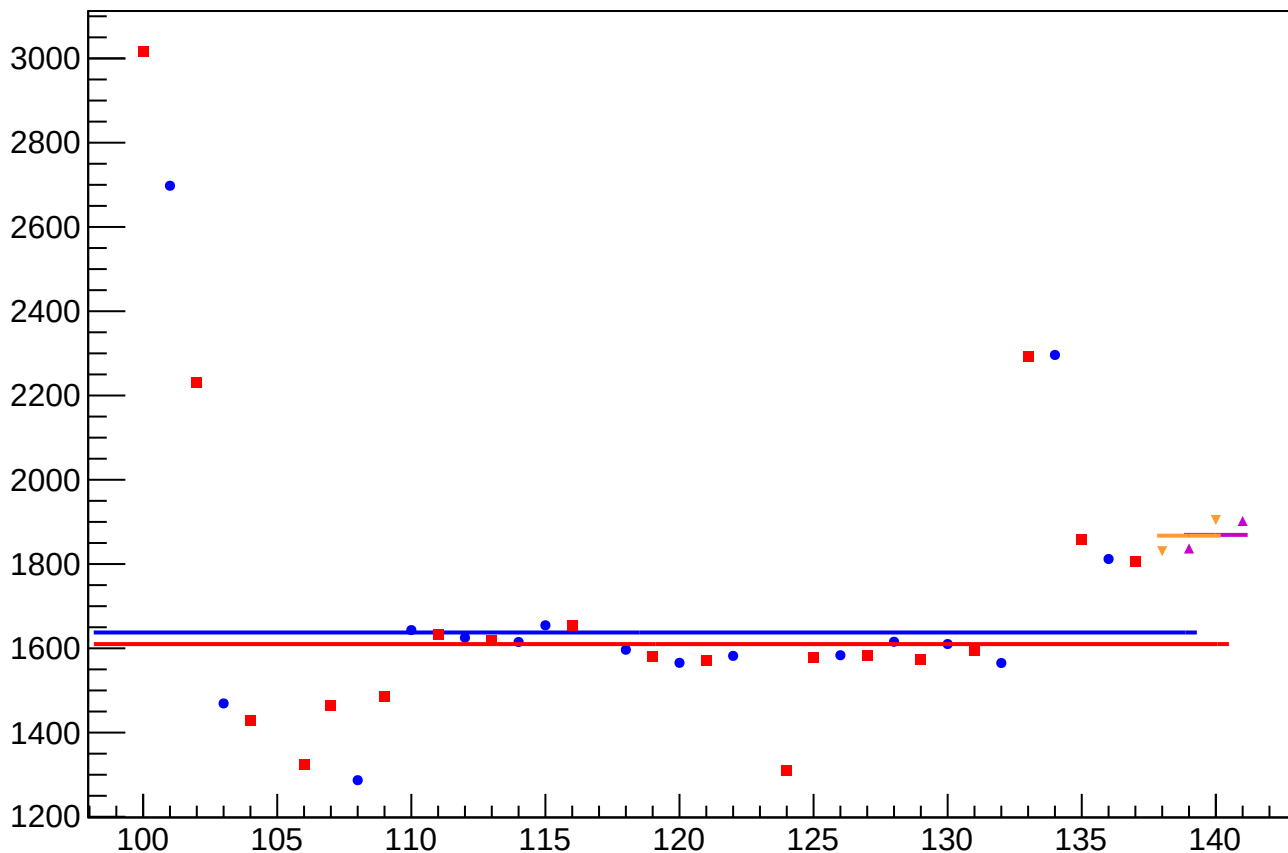
Left In: -1993.633 $\pm$ 1421.067 χ^2 /NDF: 0.0/1

+ sign 866.609 $\pm$ 568.859 χ^2 /NDF: 19.9/17

All: 228.175 $\pm$ 397.308 χ^2 /NDF: 44.6/38

- sign -379.858 $\pm$ 555.150 χ^2 /NDF: 22.2/20

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

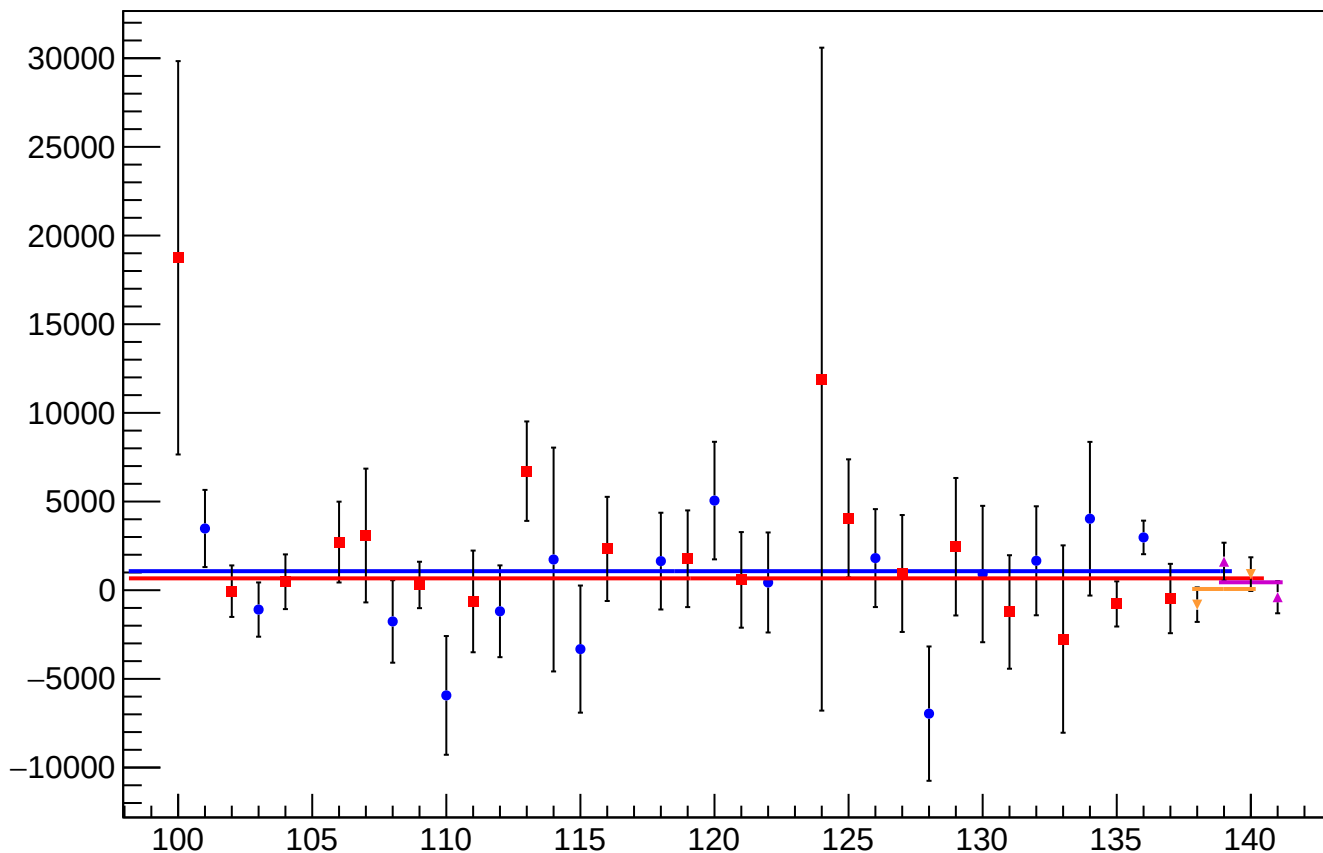
Left In: 1869.215+/-1.005 χ^2/NDF :1053.4/1

+ sign 1672.188+/-0.402 χ^2/NDF : 404457.4/17

All: 1660.616+/-0.281 χ^2/NDF : 744310.5/38

- sign 1649.596+/-0.393 χ^2/NDF : 338237.4/20

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF : 22.0/15

Left Out: 69.256+/-679.285 χ^2/NDF : 1.6/1

Right Out: 667.777+/-523.477 χ^2/NDF : 13.6/18

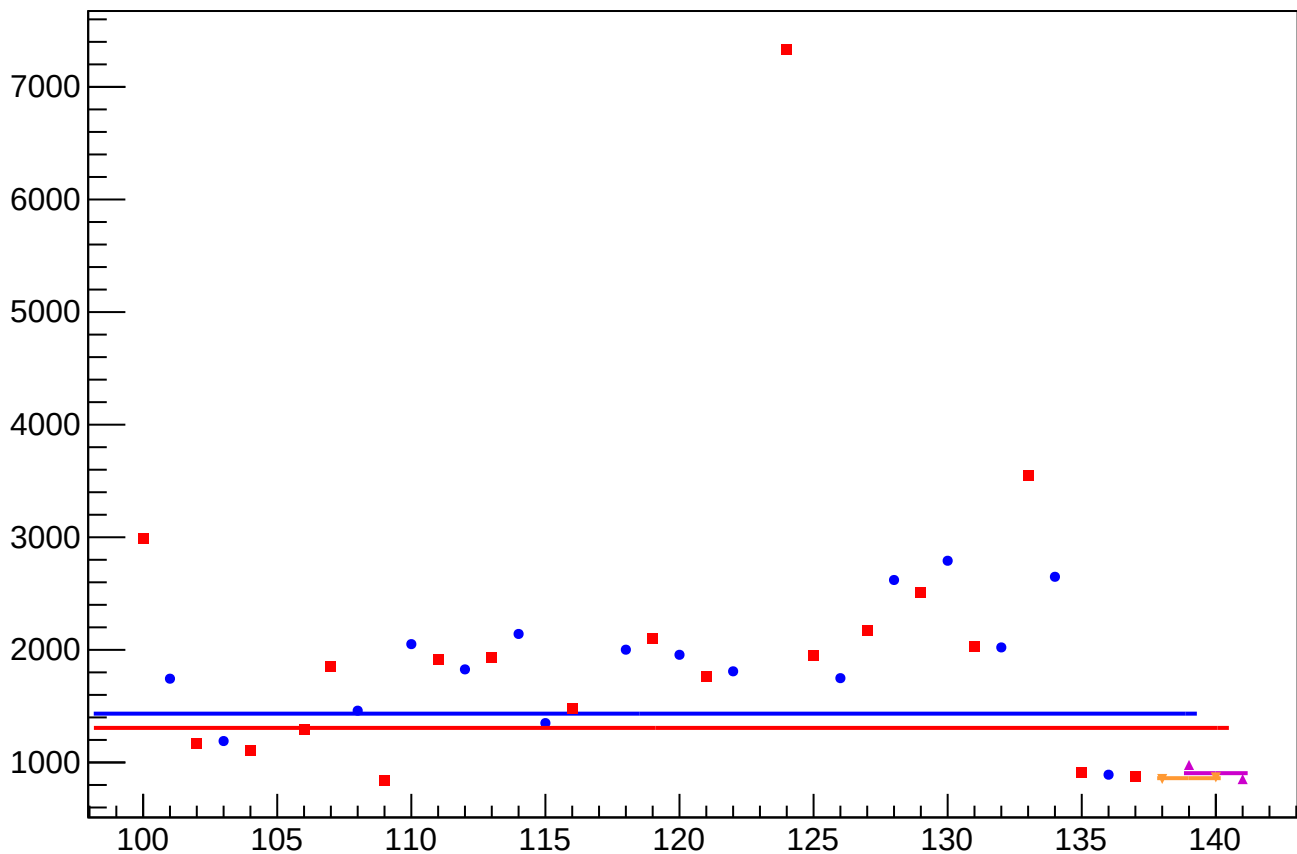
Left In: 446.607+/-692.595 χ^2/NDF : 2.0/1

+ sign 657.246+/-437.363 χ^2/NDF : 24.9/17

All: 620.693+/-302.038 χ^2/NDF : 40.6/38

- sign 587.367+/-417.612 χ^2/NDF : 15.7/20

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF : 1763491.8/15

Left Out: 860.401+/-0.480 χ^2/NDF :224.8/1

Right Out: 1306.866+/-0.370 χ^2/NDF : 2183906.3/18

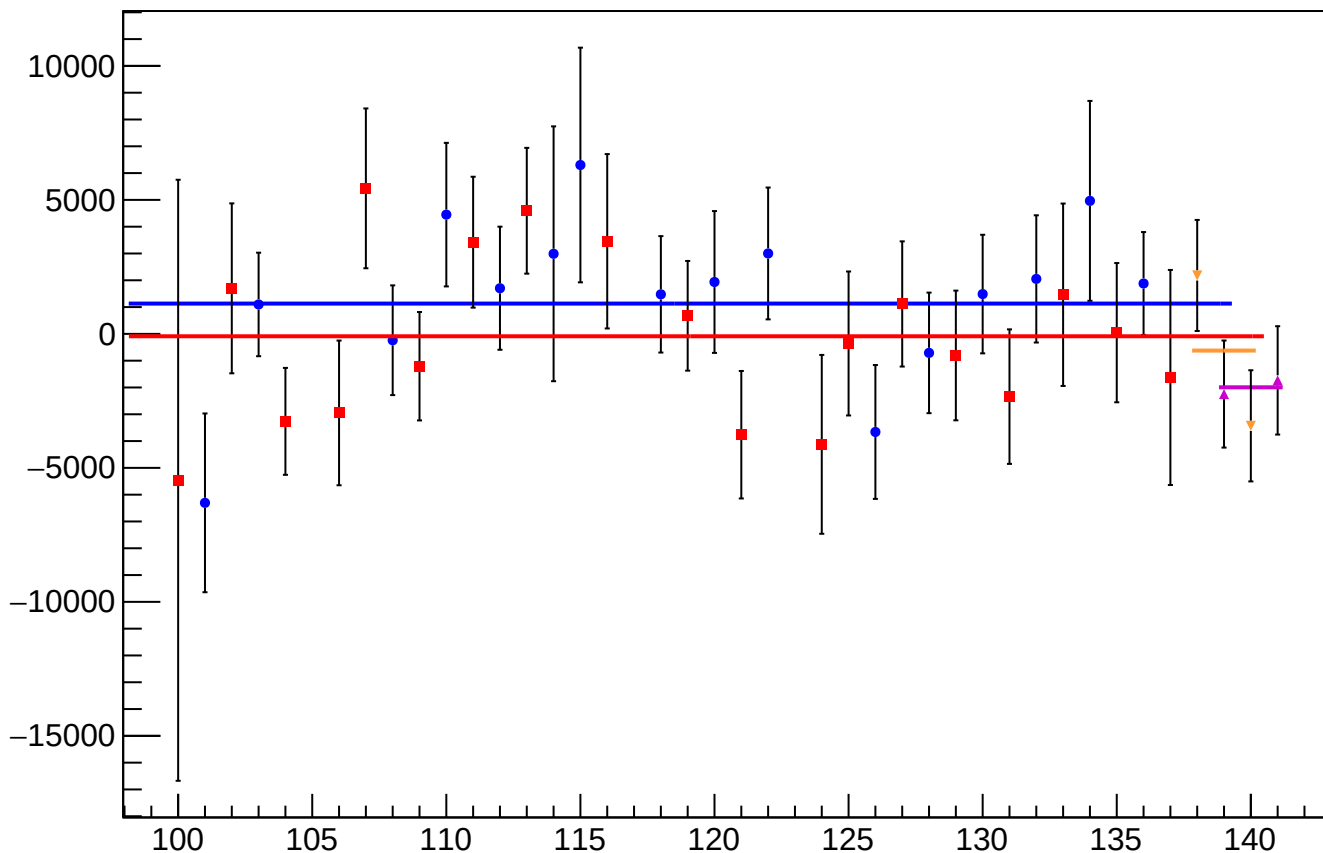
Left In: 904.854+/-0.490 χ^2/NDF :16068.2/1

+ sign 1195.906+/-0.309 χ^2/NDF : 2597086.3/17

All: 1177.494+/-0.214 χ^2/NDF : 5232683.4/38

- sign 1160.707+/-0.295 χ^2/NDF : 2628820.9/20

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

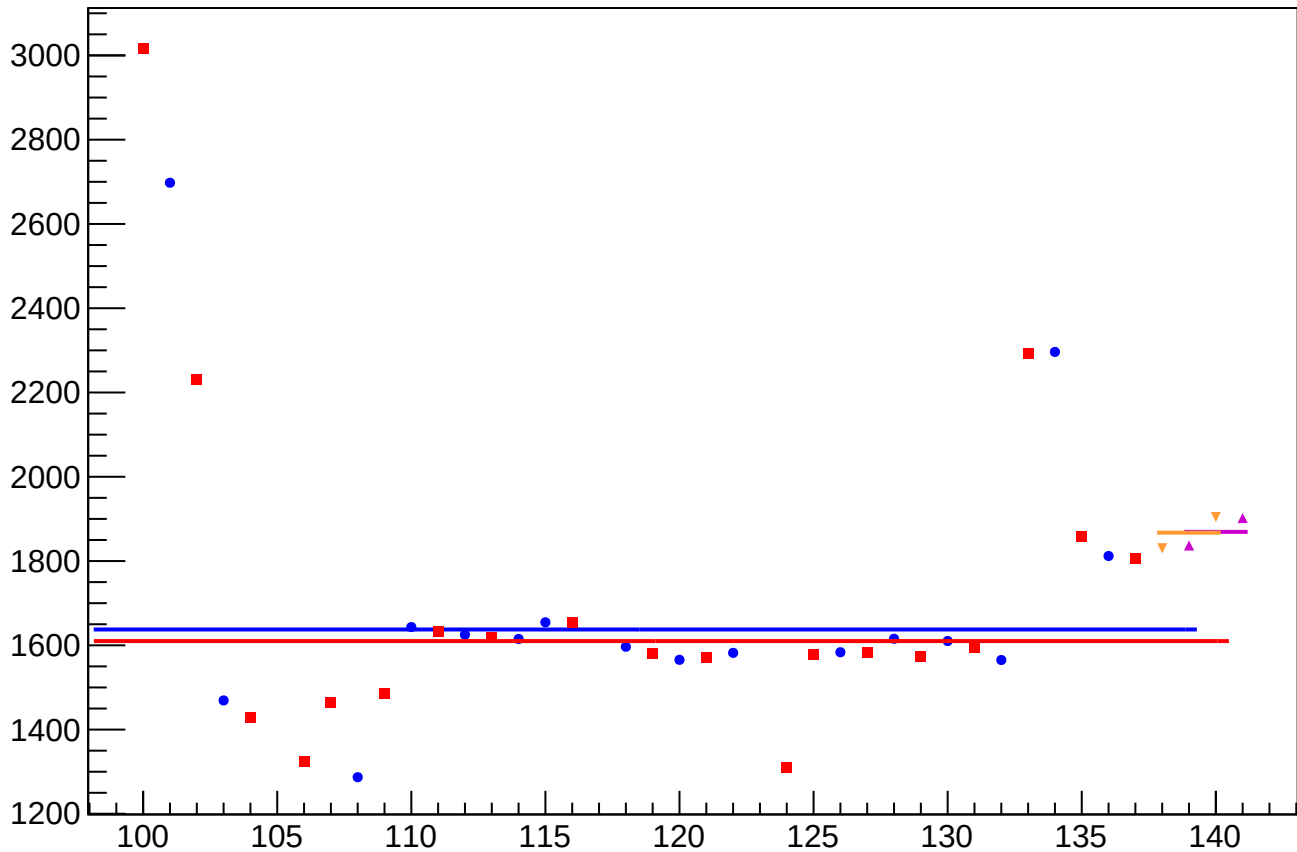
Left In: -1993.615 $\pm$ 1421.067 χ^2 /NDF: 0.0/1

+ sign 866.608 $\pm$ 568.859 χ^2 /NDF: 19.9/17

All: 228.174 $\pm$ 397.308 χ^2 /NDF: 44.6/38

- sign -379.860 $\pm$ 555.150 χ^2 /NDF: 22.2/20

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361416.8/15

Left Out: 1867.396+/-1.036 χ^2/NDF :1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.7/18

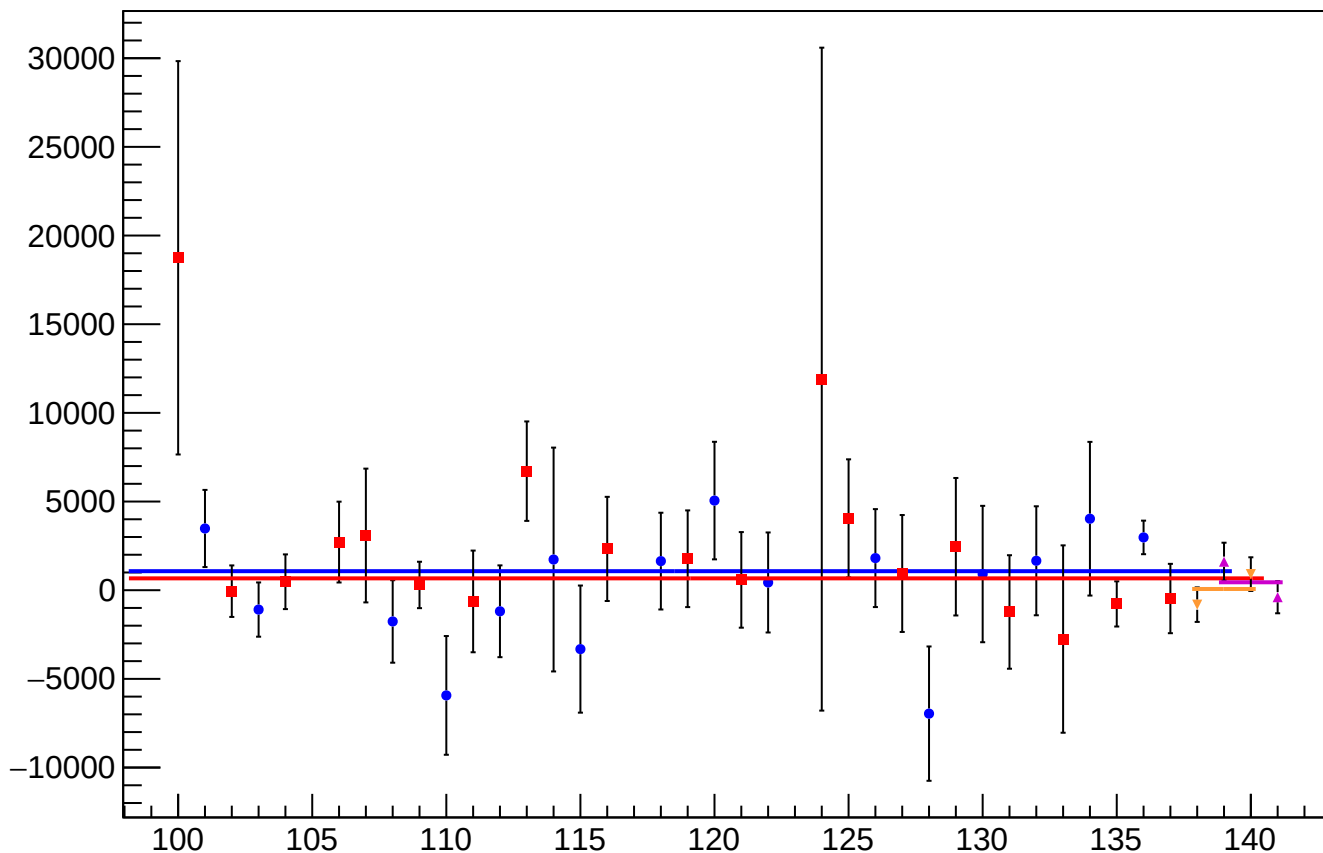
Left In: 1869.216+/-1.005 χ^2/NDF :1053.4/1

+ sign 1672.188+/-0.402 χ^2/NDF : 404457.3/17

All: 1660.616+/-0.281 χ^2/NDF : 744310.7/38

- sign 1649.596+/-0.393 χ^2/NDF : 338237.8/20

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF : 22.0/15

Left Out: 69.262+/-679.299 χ^2/NDF : 1.6/1

Right Out: 667.789+/-523.481 χ^2/NDF : 13.6/18

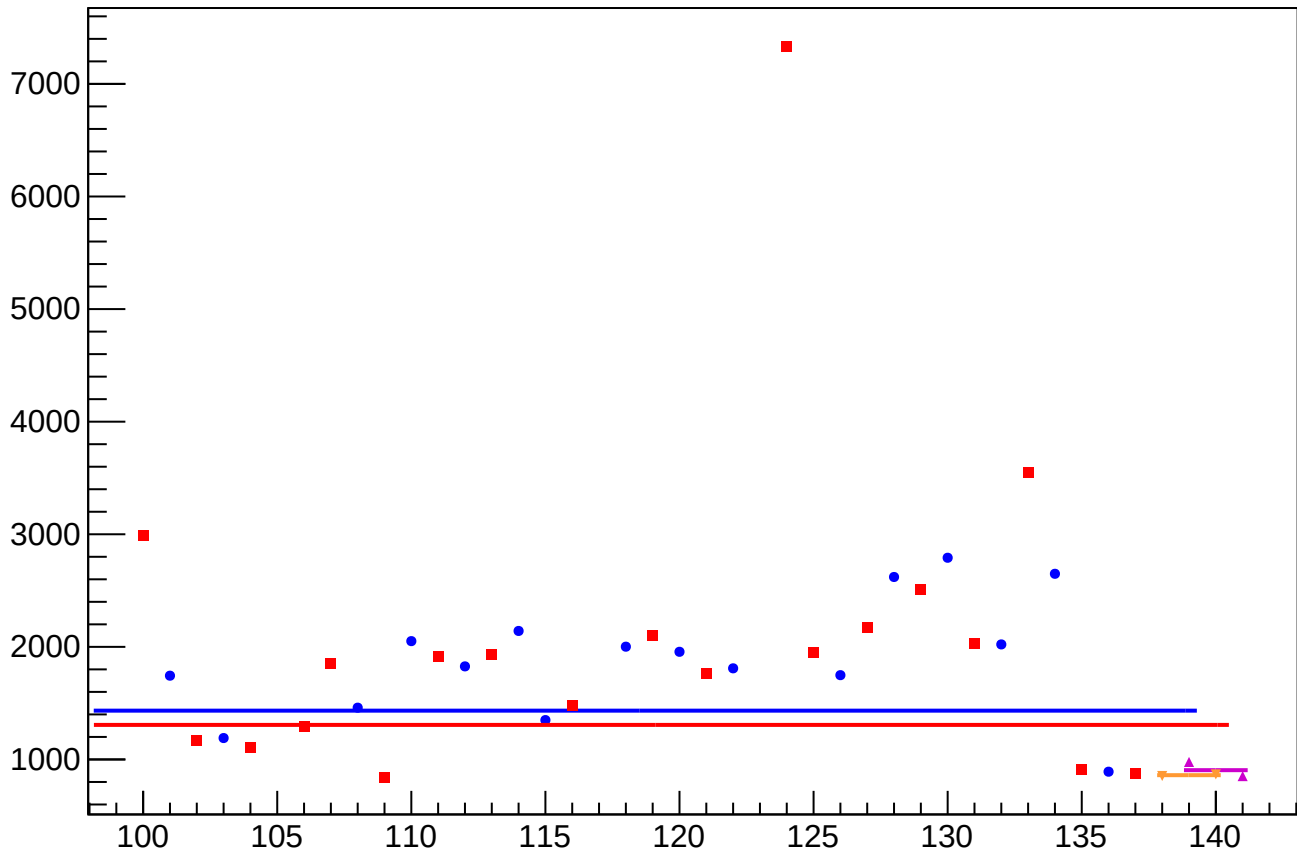
Left In: 446.604+/-692.606 χ^2/NDF : 2.0/1

+ sign 657.248+/-437.369 χ^2/NDF : 24.9/17

All: 620.697+/-302.041 χ^2/NDF : 40.6/38

- sign 587.374+/-417.616 χ^2/NDF : 15.7/20

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF : 1763397.4/15

Left Out: 860.417+/-0.480 χ^2/NDF :224.2/1

+ sign 1195.926+/-0.309 χ^2/NDF : 2596963.3/17

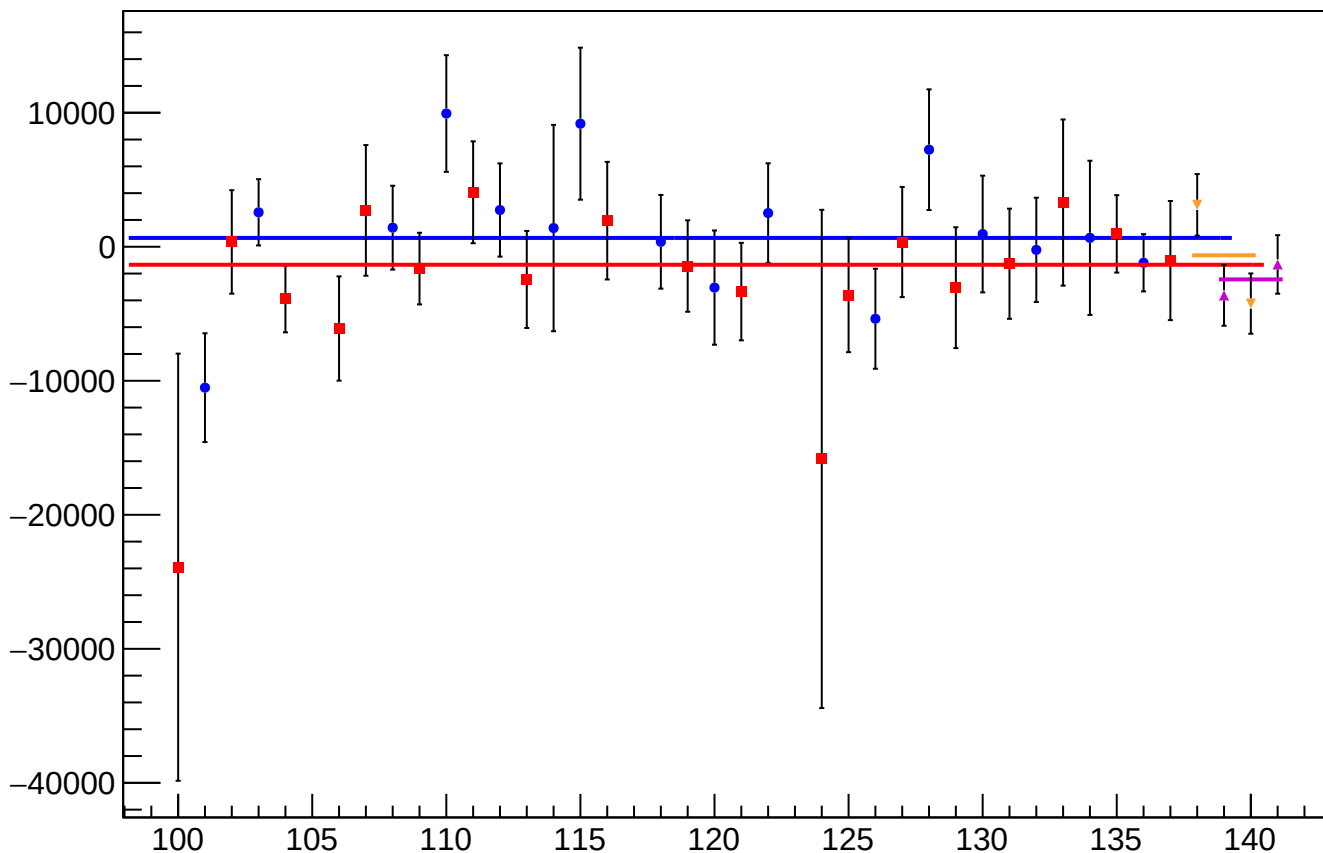
Right Out: 1306.880+/-0.370 χ^2/NDF : 2183835.0/18

All: 1177.511+/-0.214 χ^2/NDF : 5232481.9/38

- sign 1160.722+/-0.295 χ^2/NDF : 2628741.0/20

Left In: 904.868+/-0.490 χ^2/NDF :16072.8/1

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

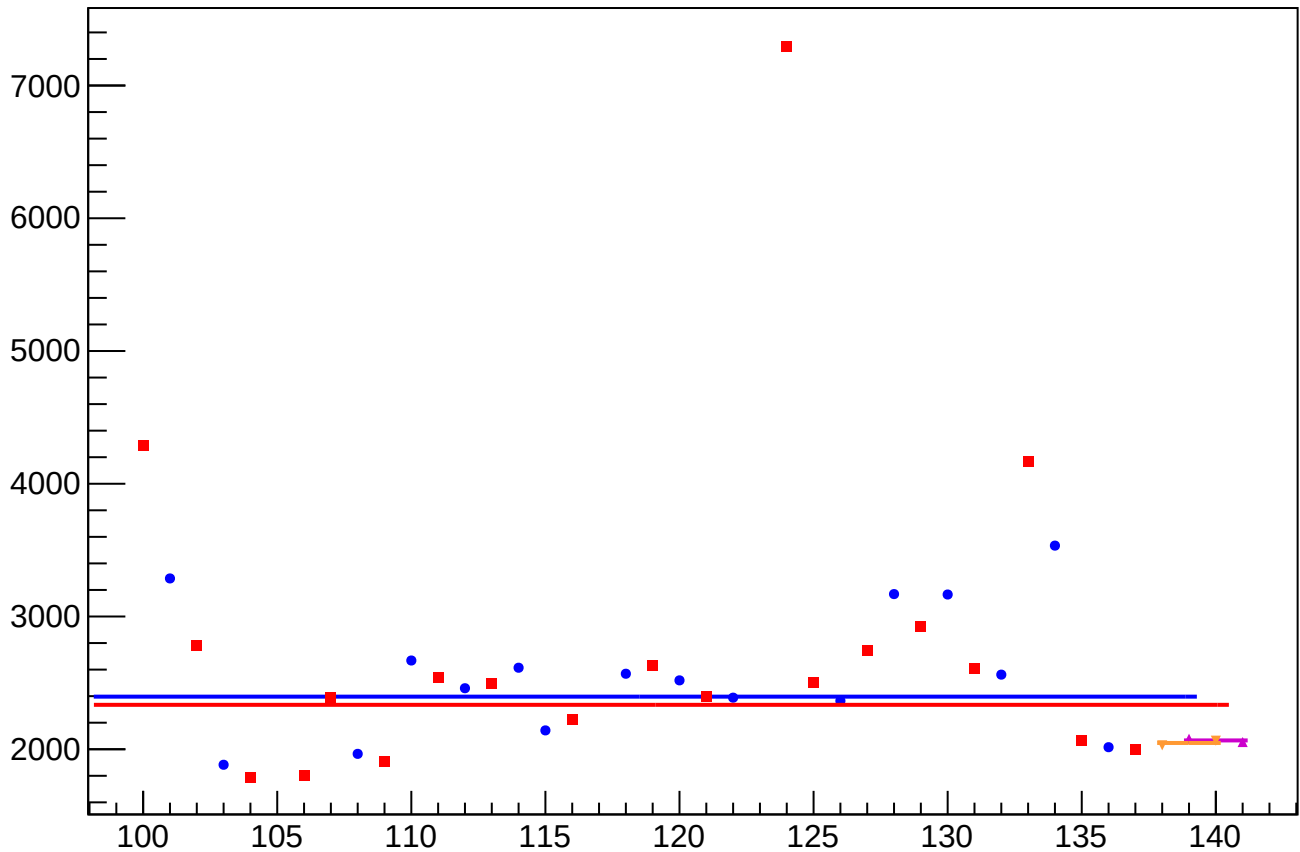
Left In: -2436.071+/-1570.997 χ^2/NDF : 0.5/1

+ sign 344.944+/-791.566 χ^2/NDF : 27.7/17

All: -652.536+/-553.680 χ^2/NDF : 42.6/38

- sign -1608.080+/-774.748 χ^2/NDF : 11.7/20

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF : 507897.2/15

Left Out: 2047.325+/-1.136 χ^2/NDF :237.0/1

Right Out: 2334.592+/-0.630 χ^2/NDF : 681568.6/18

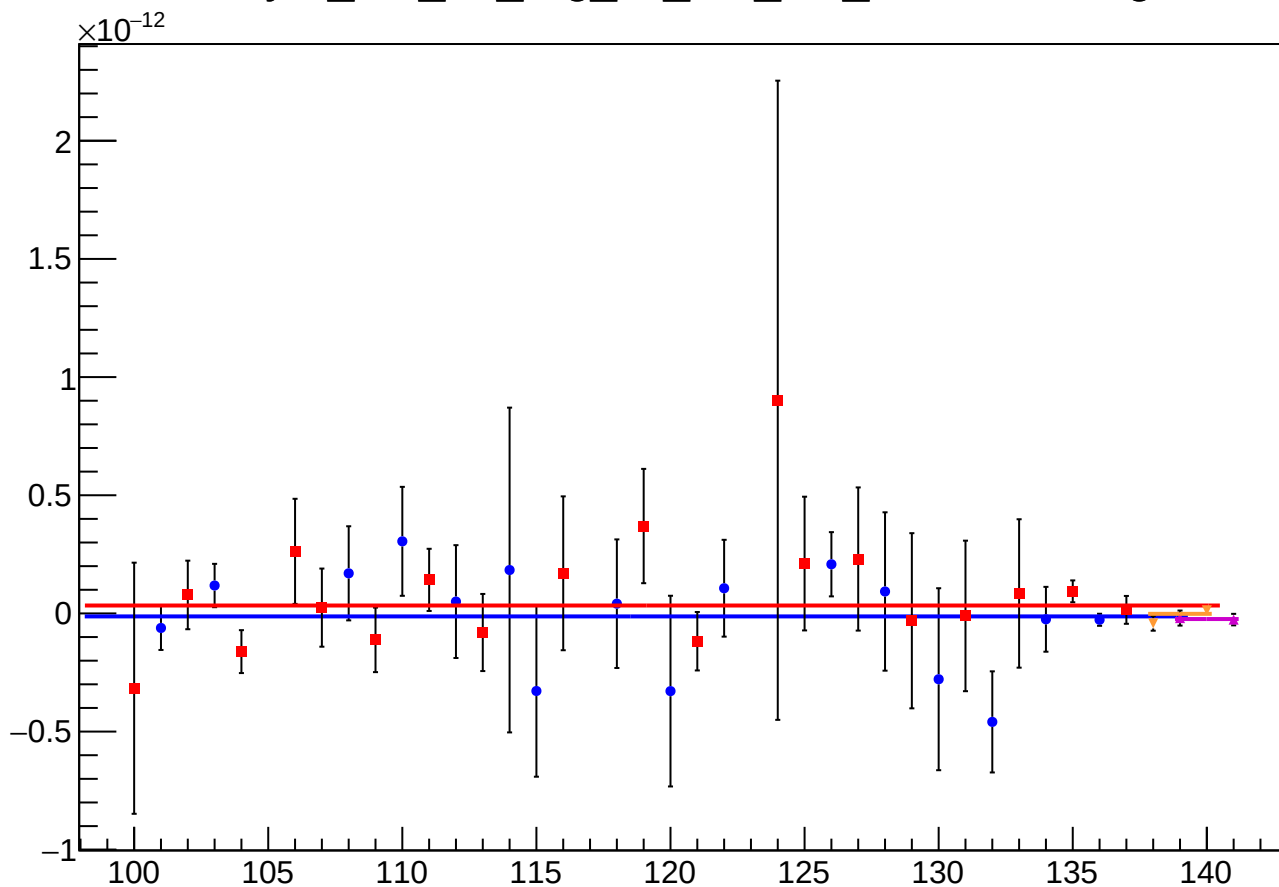
Left In: 2066.470+/-1.111 χ^2/NDF :125.3/1

+ sign 2311.606+/-0.560 χ^2/NDF : 579559.1/17

All: 2290.042+/-0.392 χ^2/NDF : 1308247.8/38

- sign 2269.385+/-0.548 χ^2/NDF : 725782.5/20

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

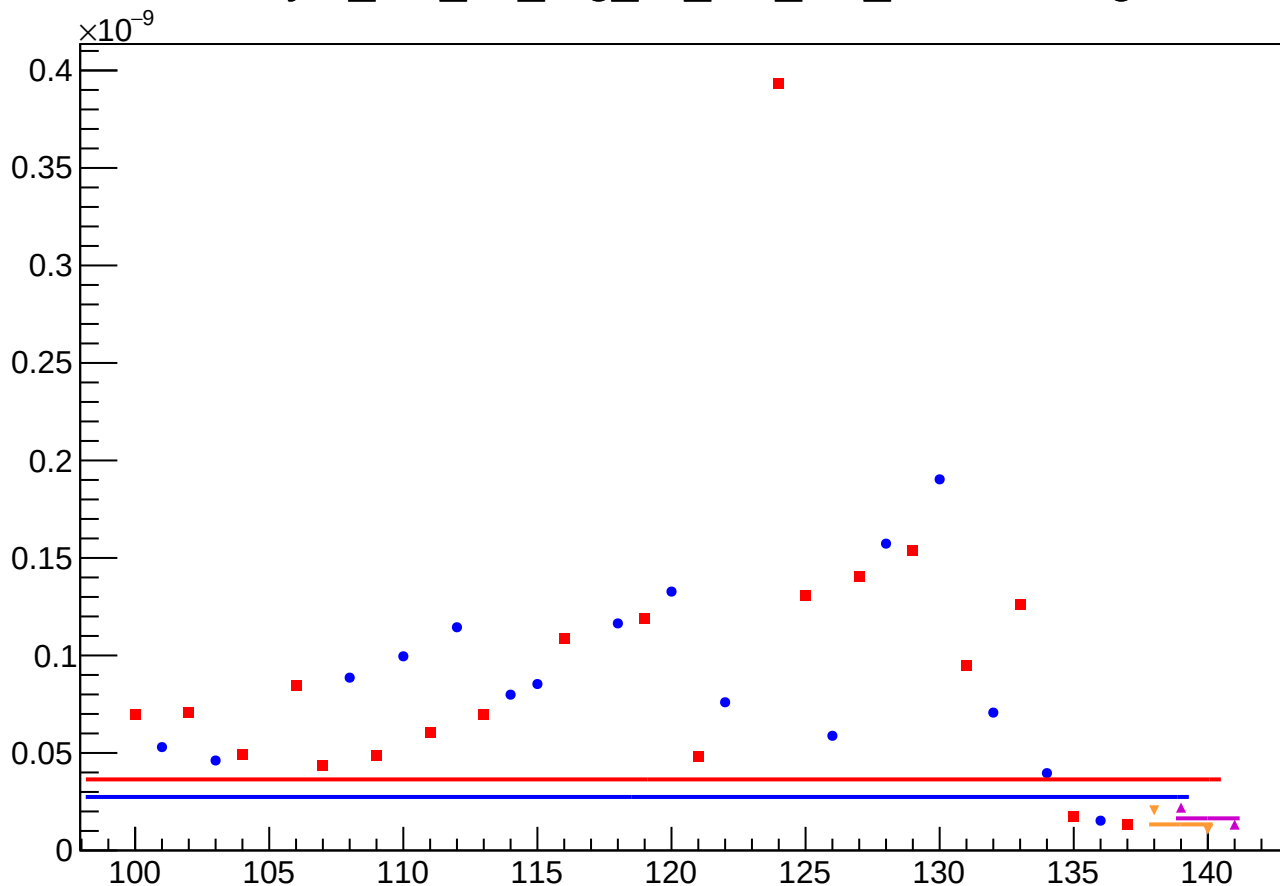
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.3/17

All: -0.000 ± 0.000 χ^2/NDF : 35.4/38

- sign -0.000 ± 0.000 χ^2/NDF : 18.1/20

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF :146882.1/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2442395.8/18

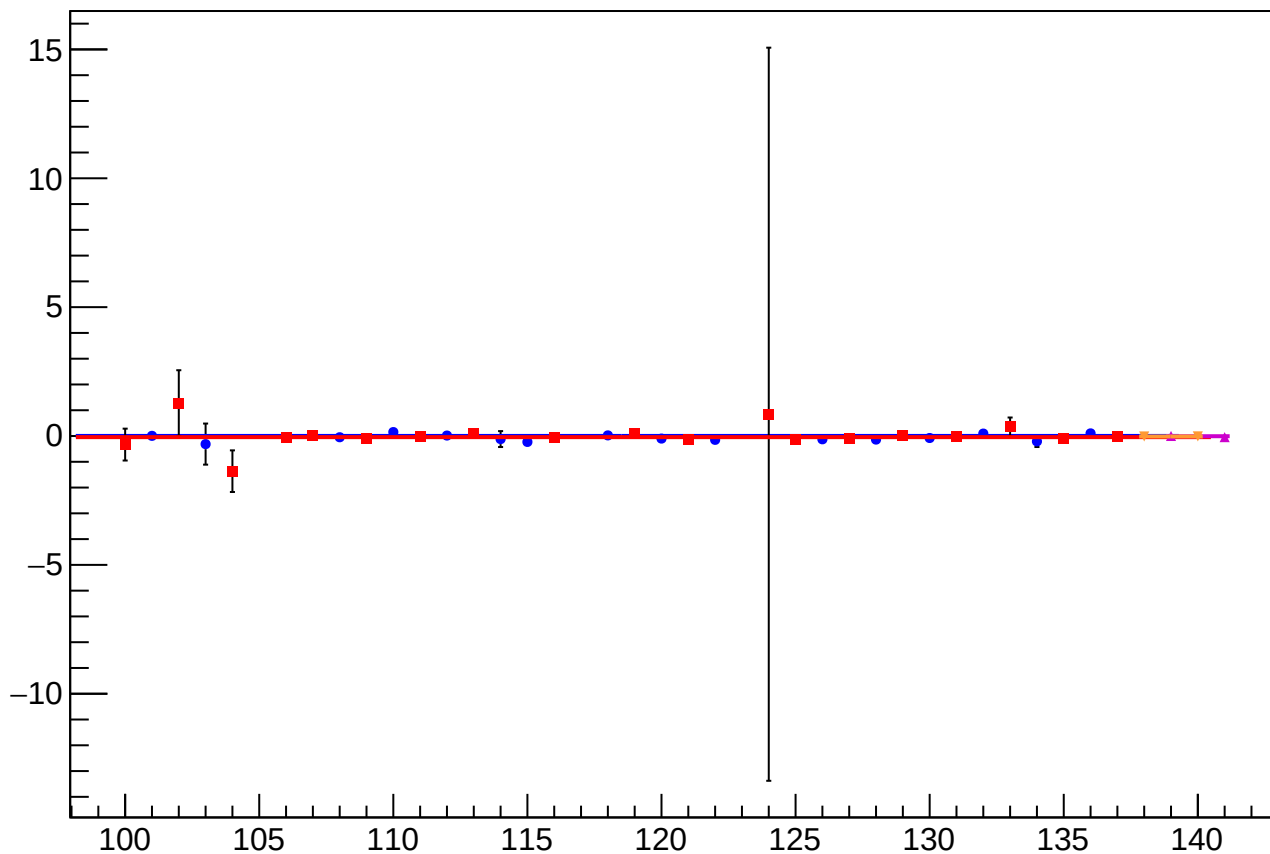
Left In: 0.000+/-0.000 χ^2/NDF :94598.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 3400864.9/17

All: 0.000+/-0.000 χ^2/NDF : 6730713.8/38

- sign 0.000+/-0.000 χ^2/NDF : 3225963.0/20

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 χ^2/NDF : 13.3/15

Left Out: -0.017 ± 0.040 χ^2/NDF : 0.0/1

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

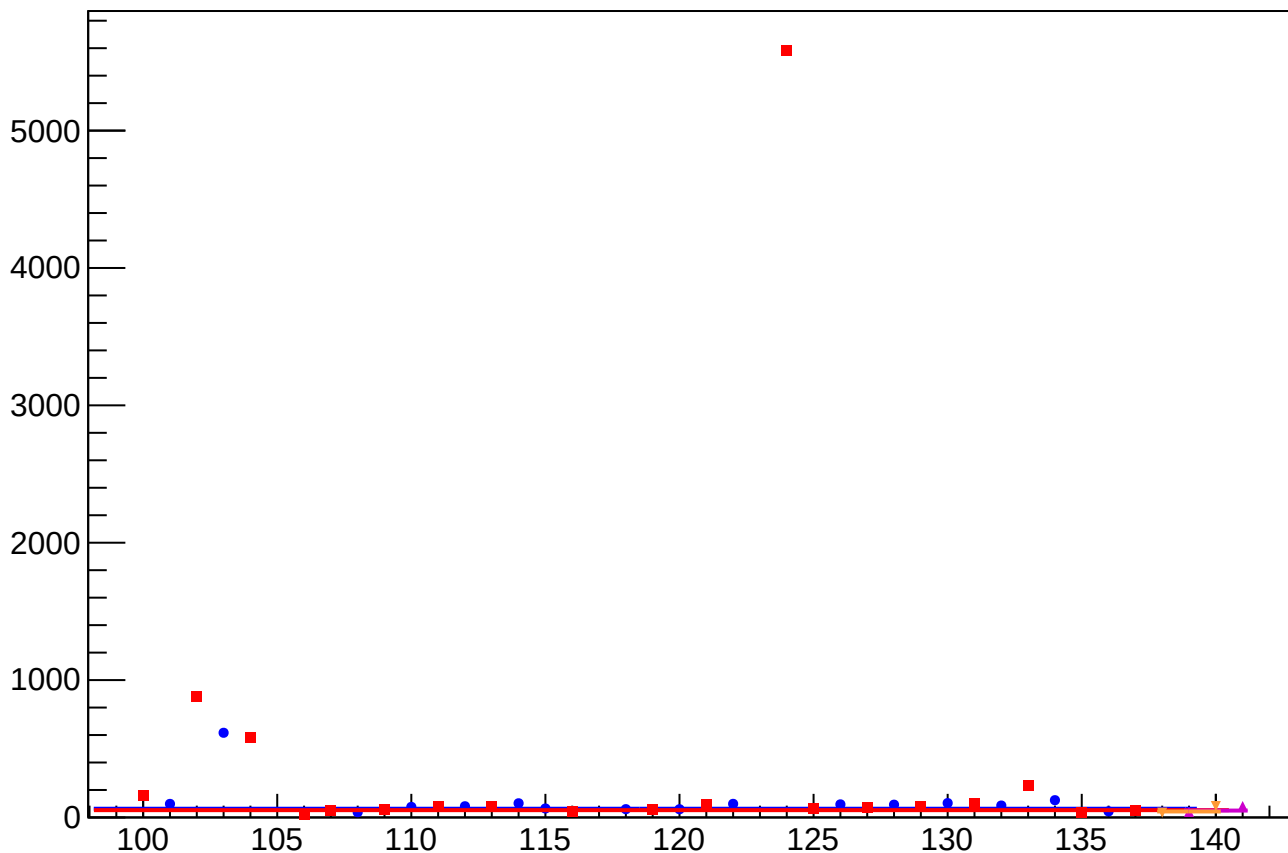
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.003 ± 0.022 χ^2/NDF : 13.5/17

All: -0.020 ± 0.016 χ^2/NDF : 27.9/38

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF : 2445255.1/15

Left Out: 43.724+/-0.028 χ^2/NDF : 432172.9/1

Right Out: 53.206+/-0.018 χ^2/NDF : 3945779.6/18

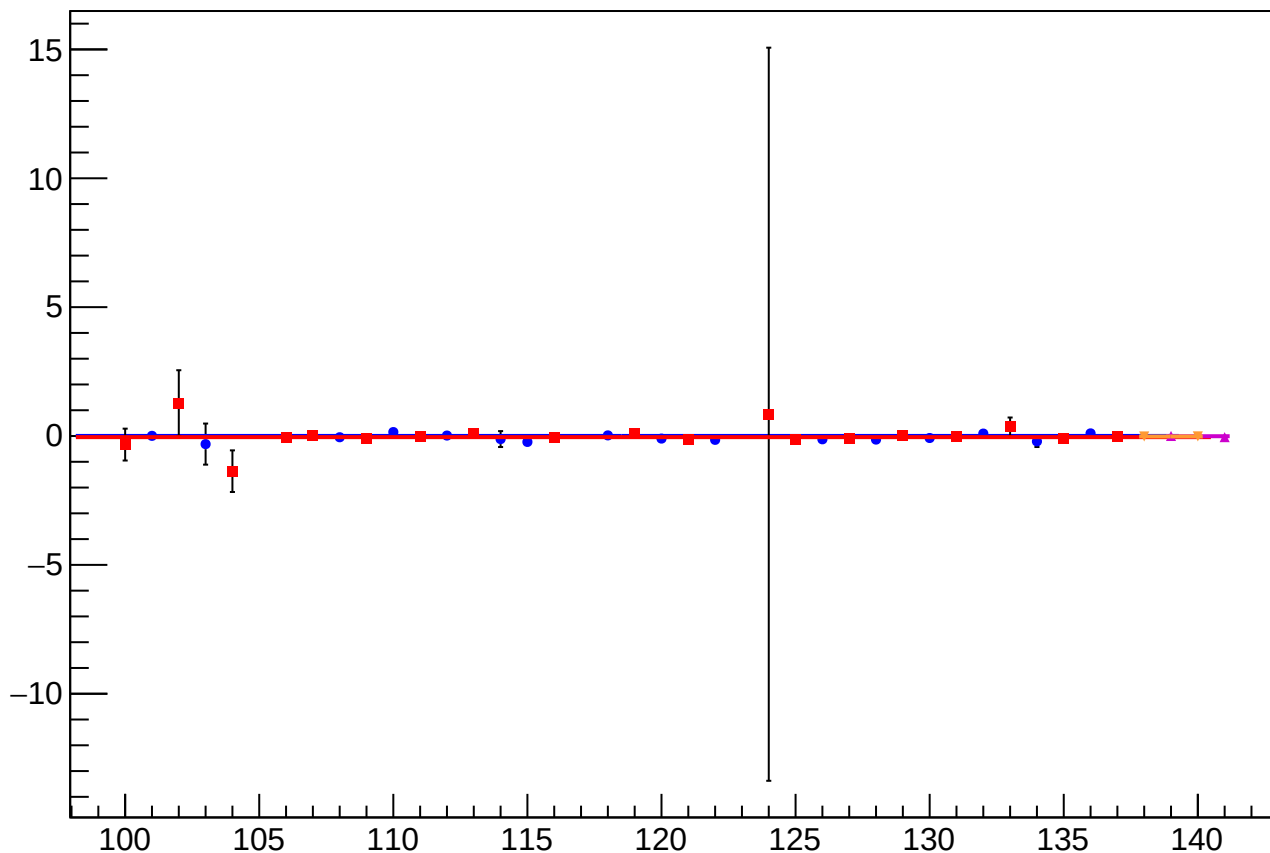
Left In: 50.119+/-0.031 χ^2/NDF : 327935.7/1

+ sign 57.169+/-0.016 χ^2/NDF : 3212329.9/17

All: 54.713+/-0.011 χ^2/NDF : 7539587.0/38

- sign 52.448+/-0.015 χ^2/NDF : 4281306.3/20

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 χ^2/NDF : 13.3/15

Left Out: -0.017 ± 0.040 χ^2/NDF : 0.0/1

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

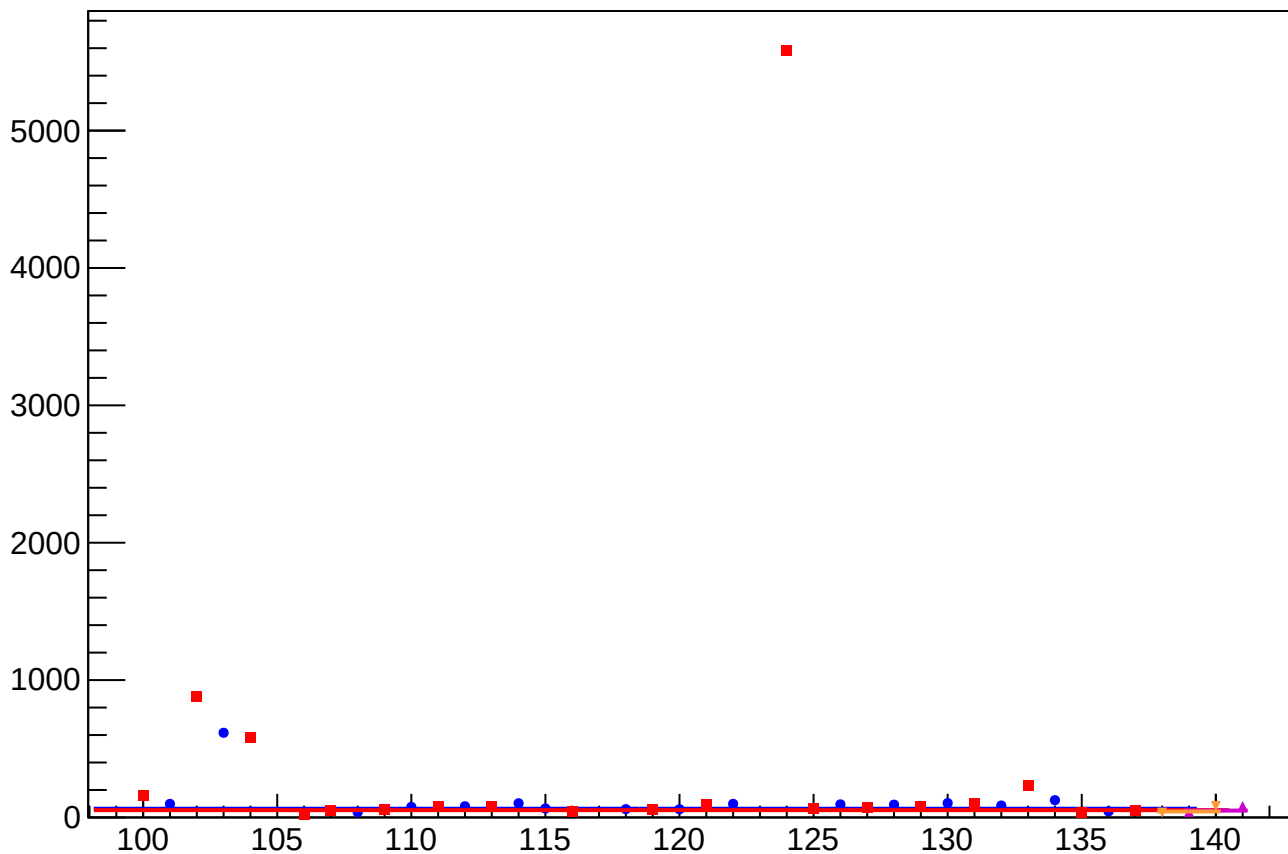
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.003 ± 0.022 χ^2/NDF : 13.5/17

All: -0.020 ± 0.016 χ^2/NDF : 27.9/38

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454 $\pm$ 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

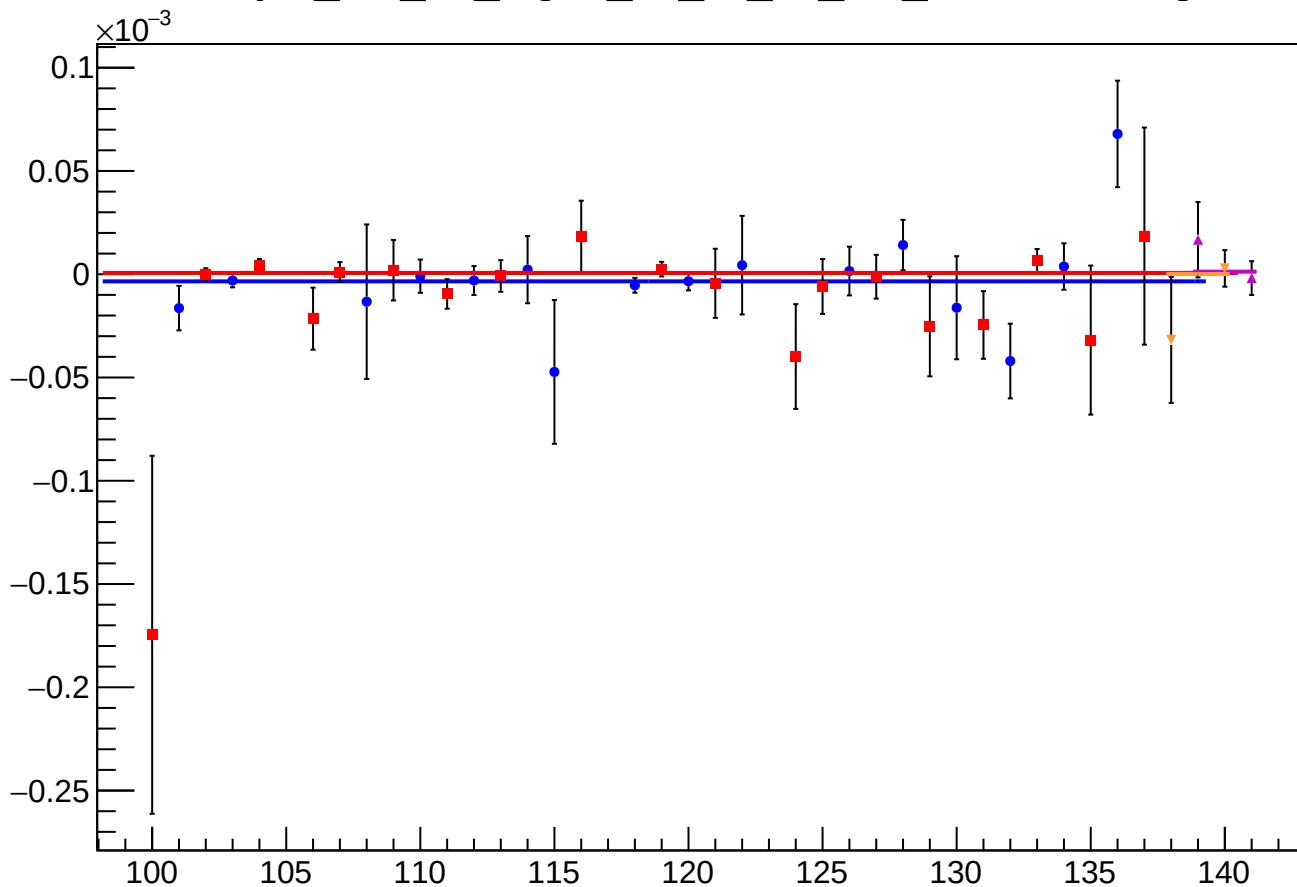
Left In: 50.119 $\pm$ 0.031 χ^2 /NDF: 327935.7/1

+ sign 57.169 $\pm$ 0.016 χ^2 /NDF: 3212329.9/17

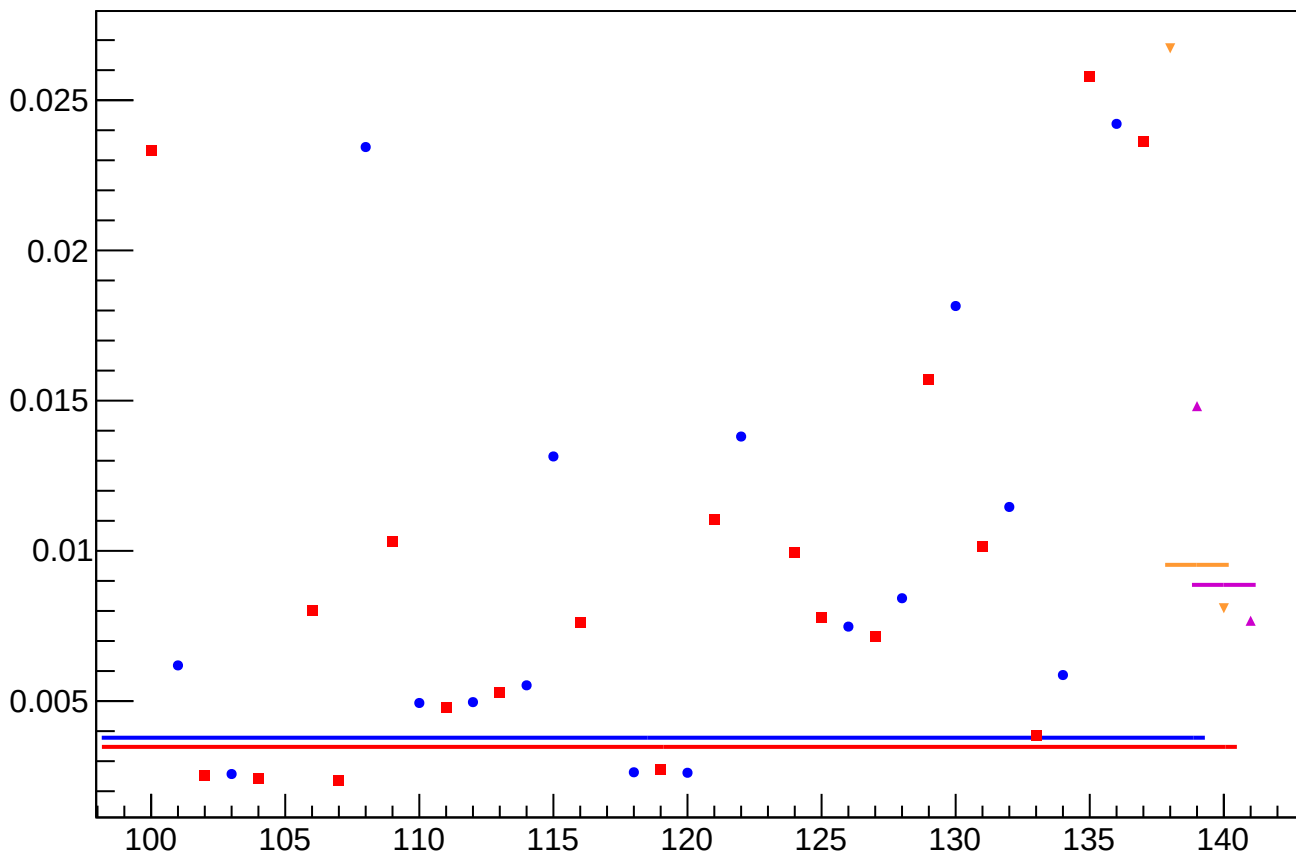
All: 54.713 $\pm$ 0.011 χ^2 /NDF: 7539587.0/38

- sign 52.448 $\pm$ 0.015 χ^2 /NDF: 4281306.3/20

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 4719536.5/15

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 688241.0/1

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 4495340.7/18

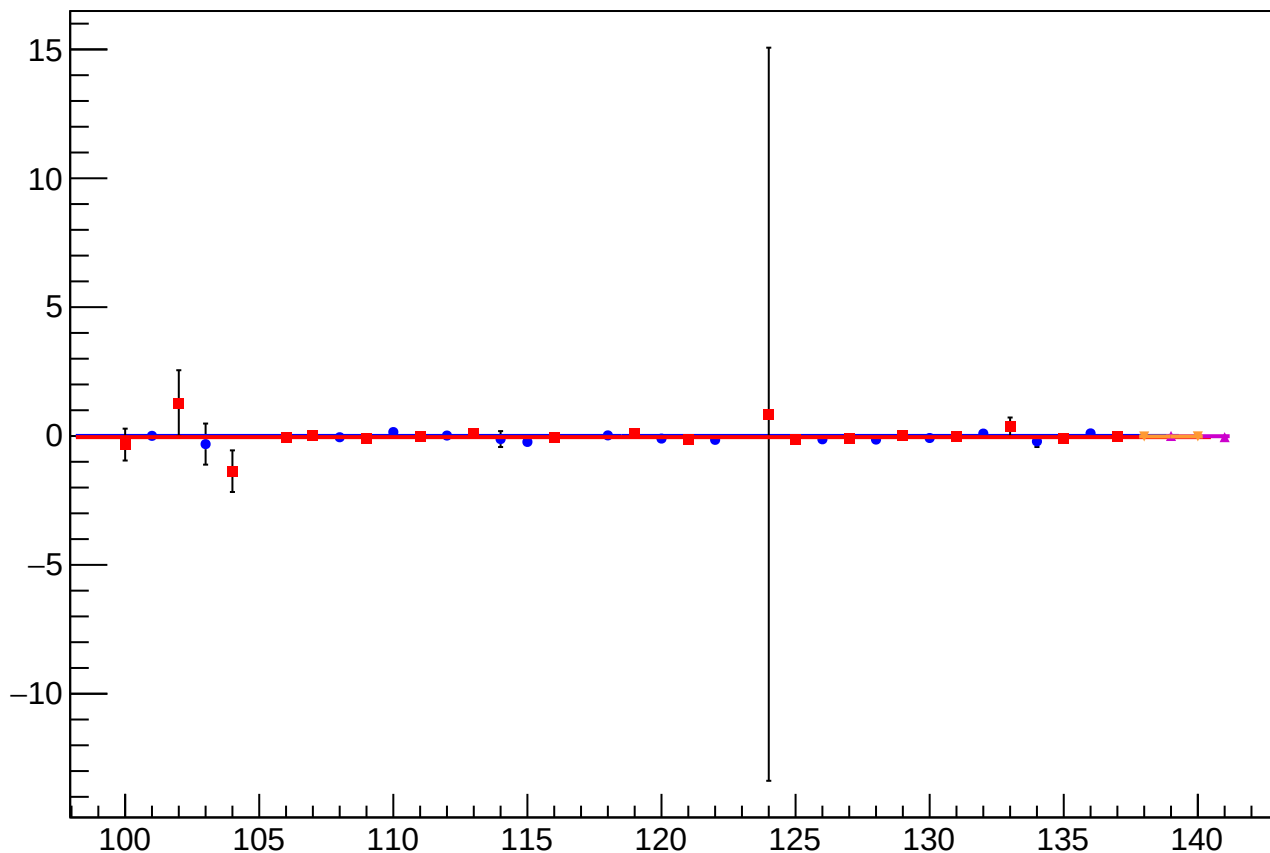
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 254851.0/1

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 6284448.5/17

All: 0.004 $\pm$ 0.000 χ^2/NDF : 12076517.3/38

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 5750354.8/20

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

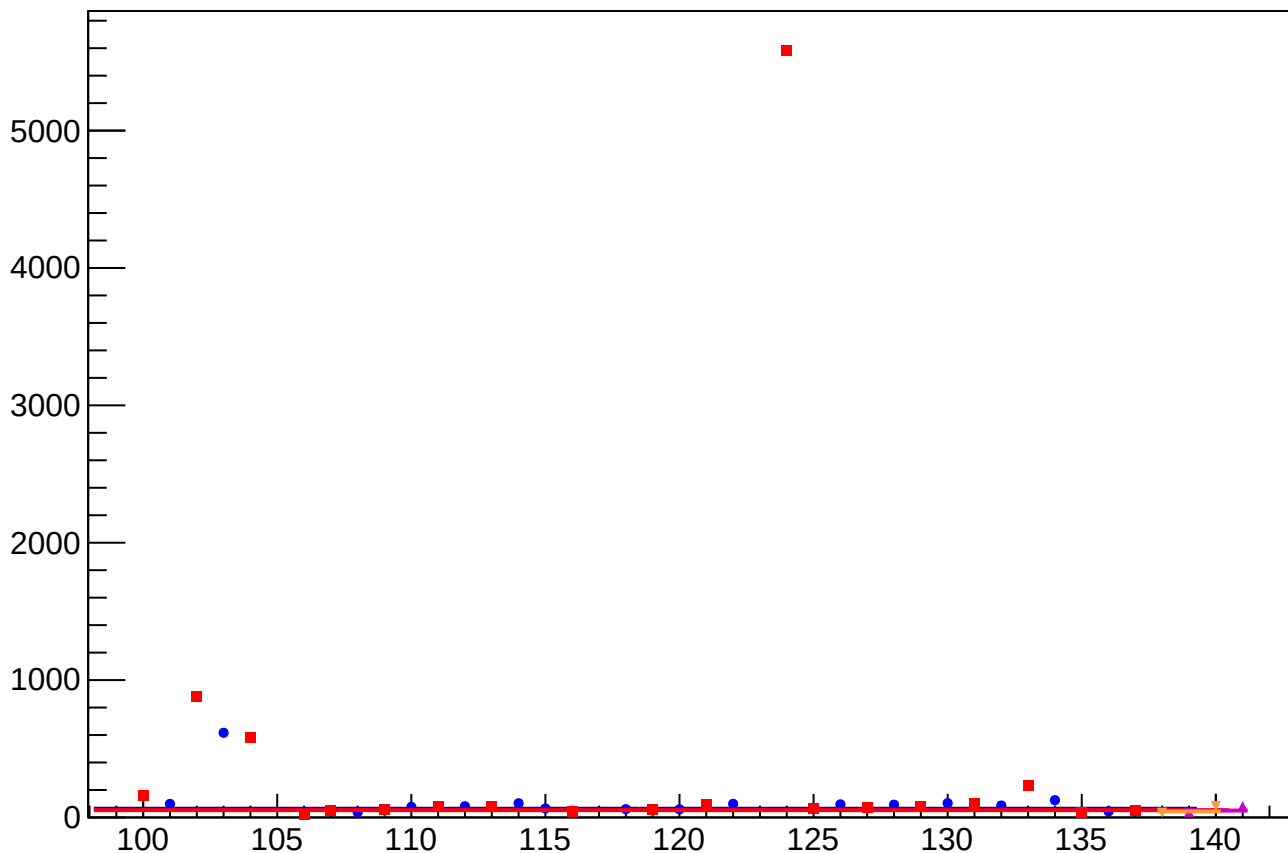
Left In: -0.008 $\pm$ 0.044 χ^2 /NDF: 0.2/1

+ sign -0.003 $\pm$ 0.022 χ^2 /NDF: 13.5/17

All: -0.020 $\pm$ 0.016 χ^2 /NDF: 27.9/38

- sign -0.035 $\pm$ 0.022 χ^2 /NDF: 13.4/20

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF : 2444357.3/15

Left Out: 43.725+/-0.028 χ^2/NDF : 432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

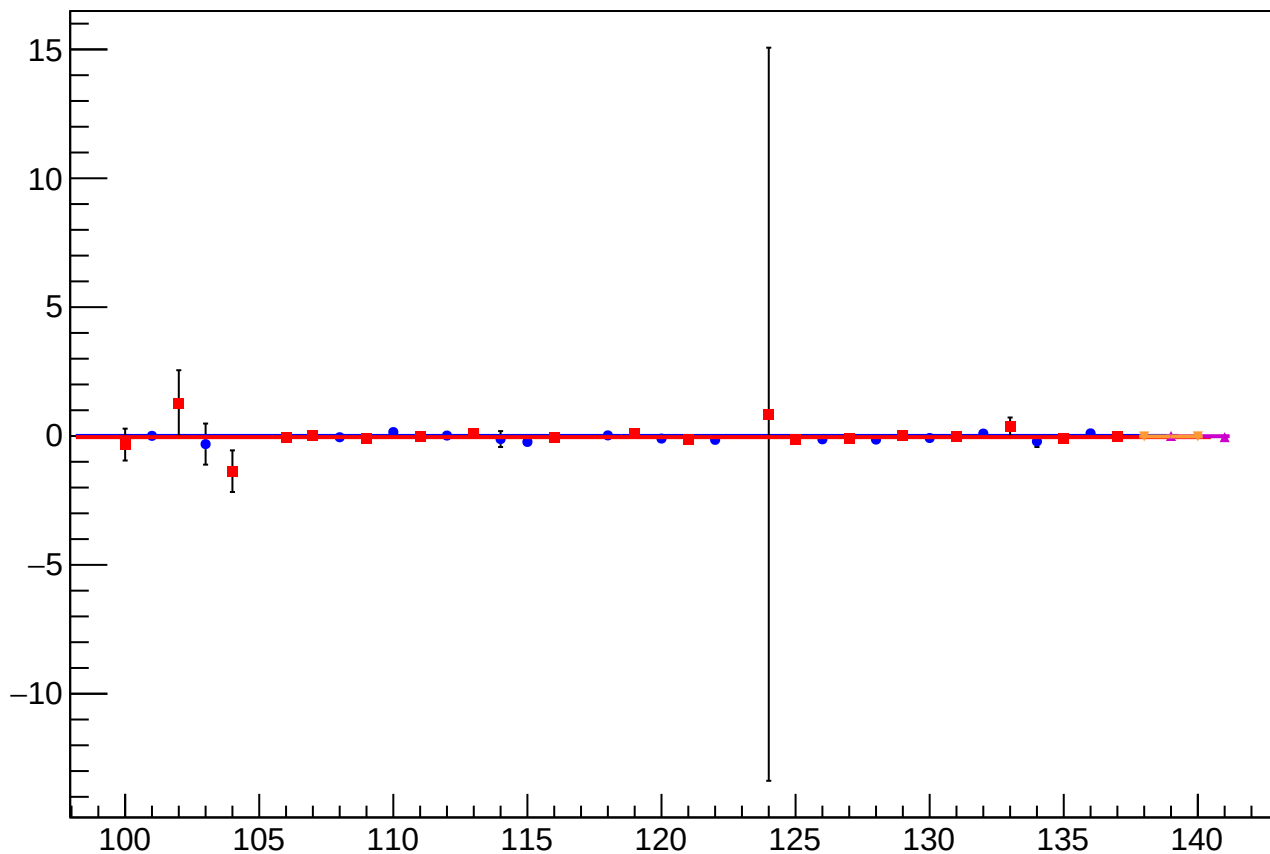
Left In: 50.131+/-0.031 χ^2/NDF : 327802.1/1

+ sign 57.175+/-0.016 χ^2/NDF : 3211726.5/17

All: 54.715+/-0.011 χ^2/NDF : 7539436.6/38

- sign 52.447+/-0.015 χ^2/NDF : 4281636.8/20

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

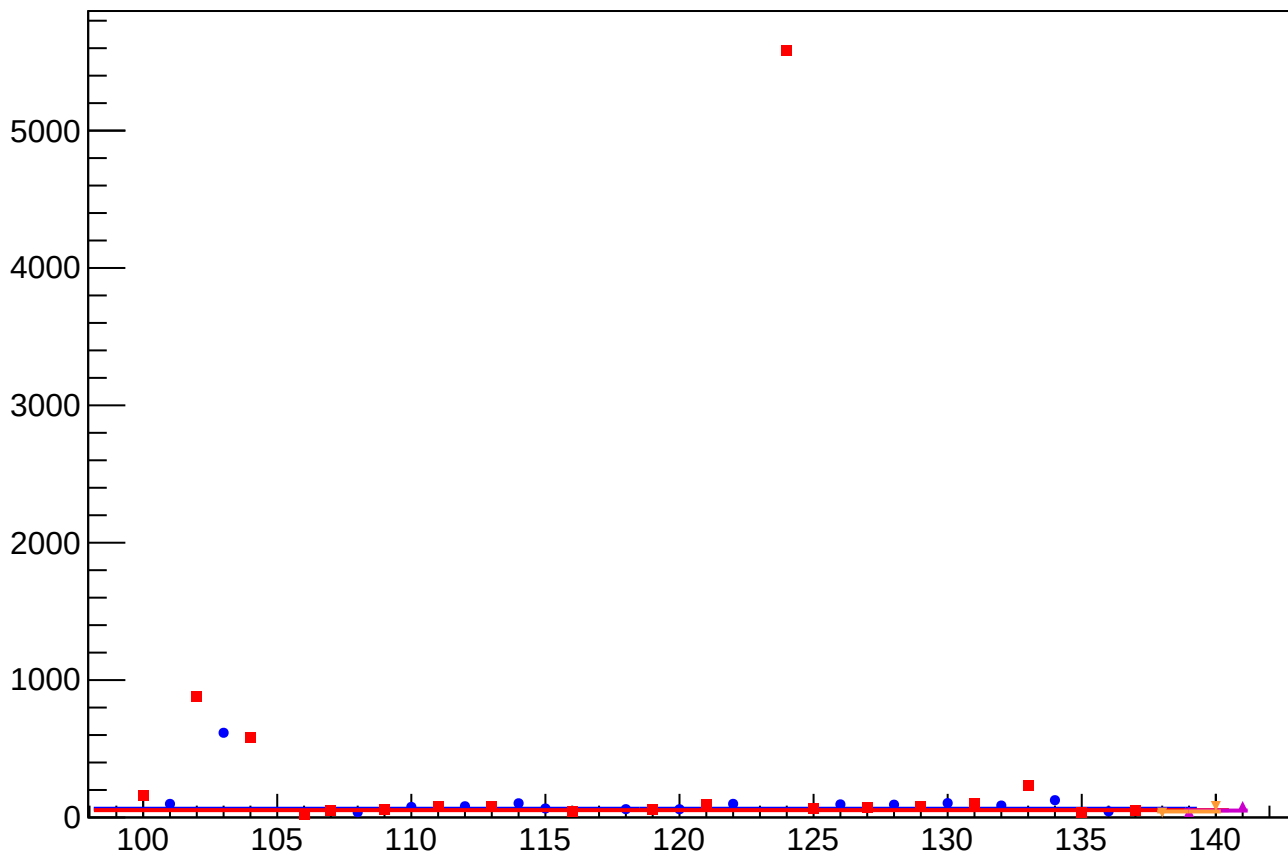
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.003 ± 0.022 χ^2/NDF : 13.5/17

All: -0.020 ± 0.016 χ^2/NDF : 27.9/38

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

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

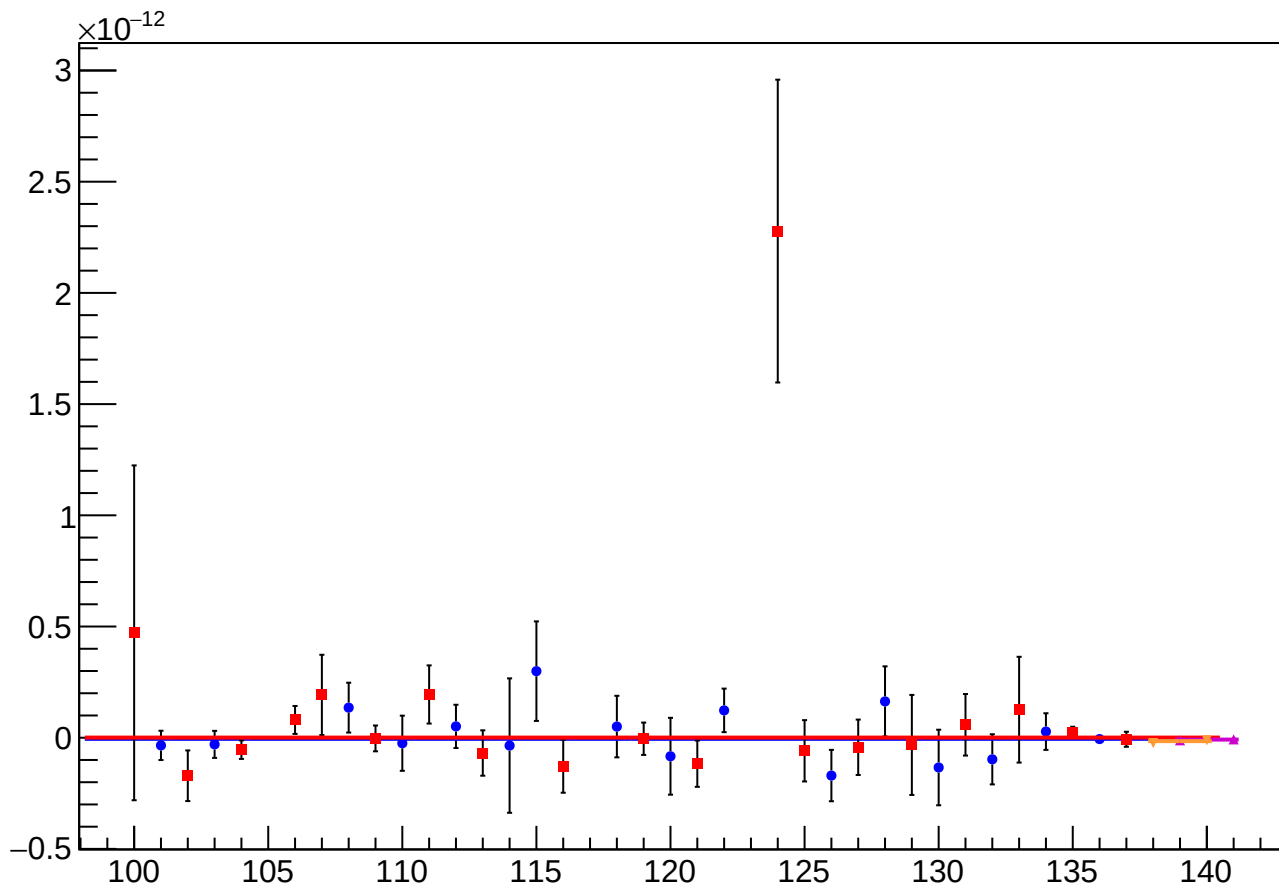
Left In: 50.131+/-0.031 χ^2/NDF : 327802.1/1

+ sign 57.175+/-0.016 χ^2/NDF : 3211726.5/17

All: 54.715+/-0.011 χ^2/NDF : 7539436.6/38

- sign 52.447+/-0.015 χ^2/NDF : 4281636.8/20

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 10.8/15

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

Right Out: 0.000+/-0.000 χ^2/NDF : 25.1/18

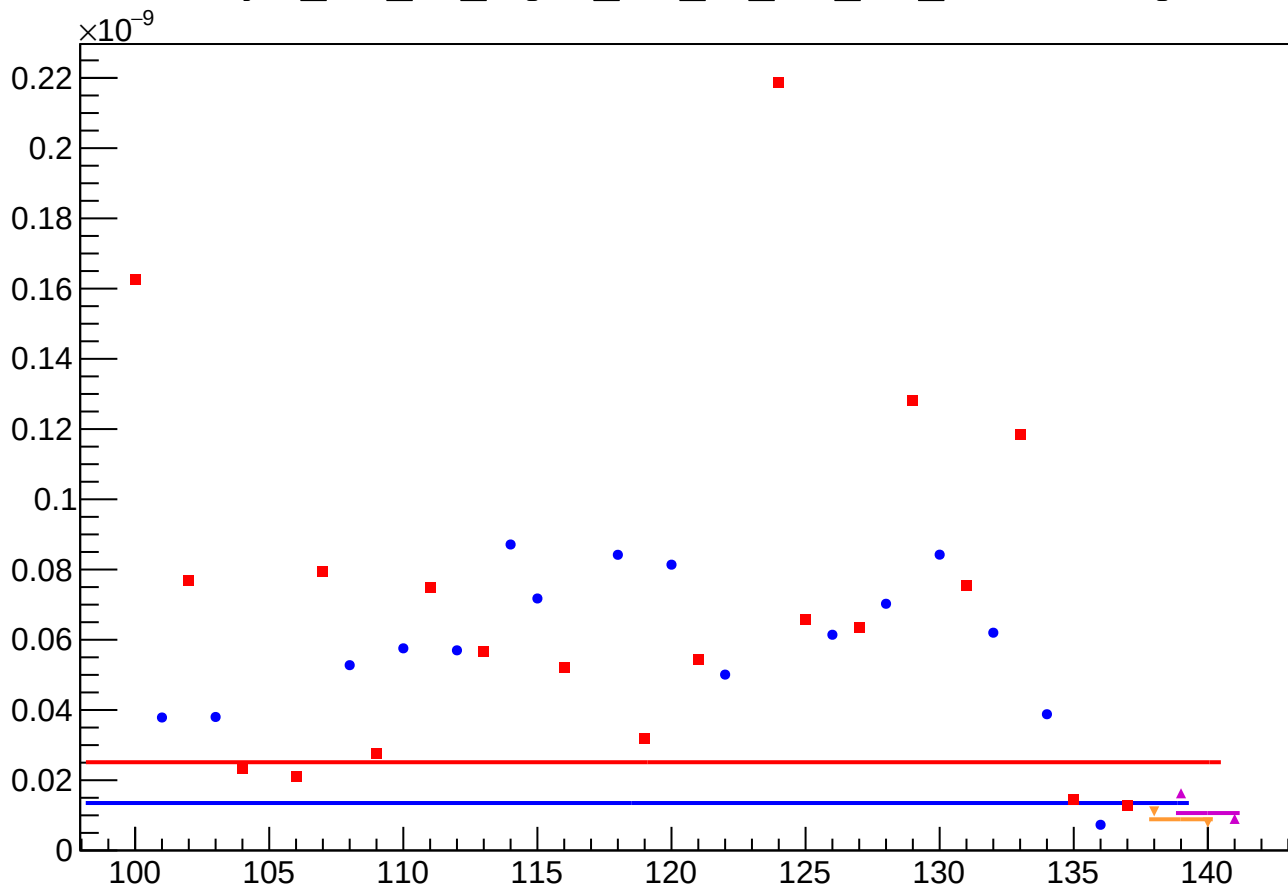
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 11.8/17

All: -0.000+/-0.000 χ^2/NDF : 37.5/38

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

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

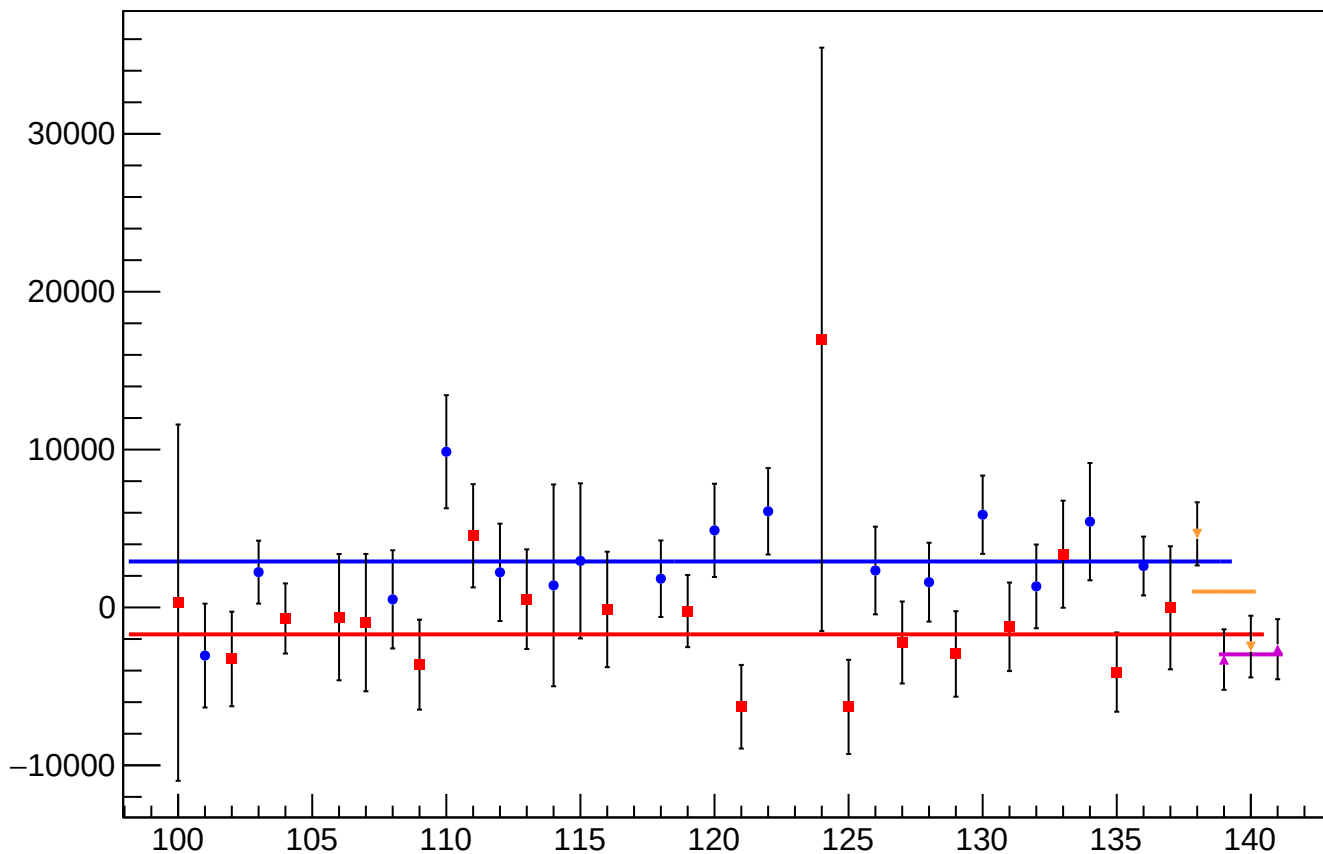
Left In: 0.000+/-0.000 χ^2/NDF : 169193.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 5288607.2/17

All: 0.000+/-0.000 χ^2/NDF : 10638431.1/38

- sign 0.000+/-0.000 χ^2/NDF : 4989321.9/20

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

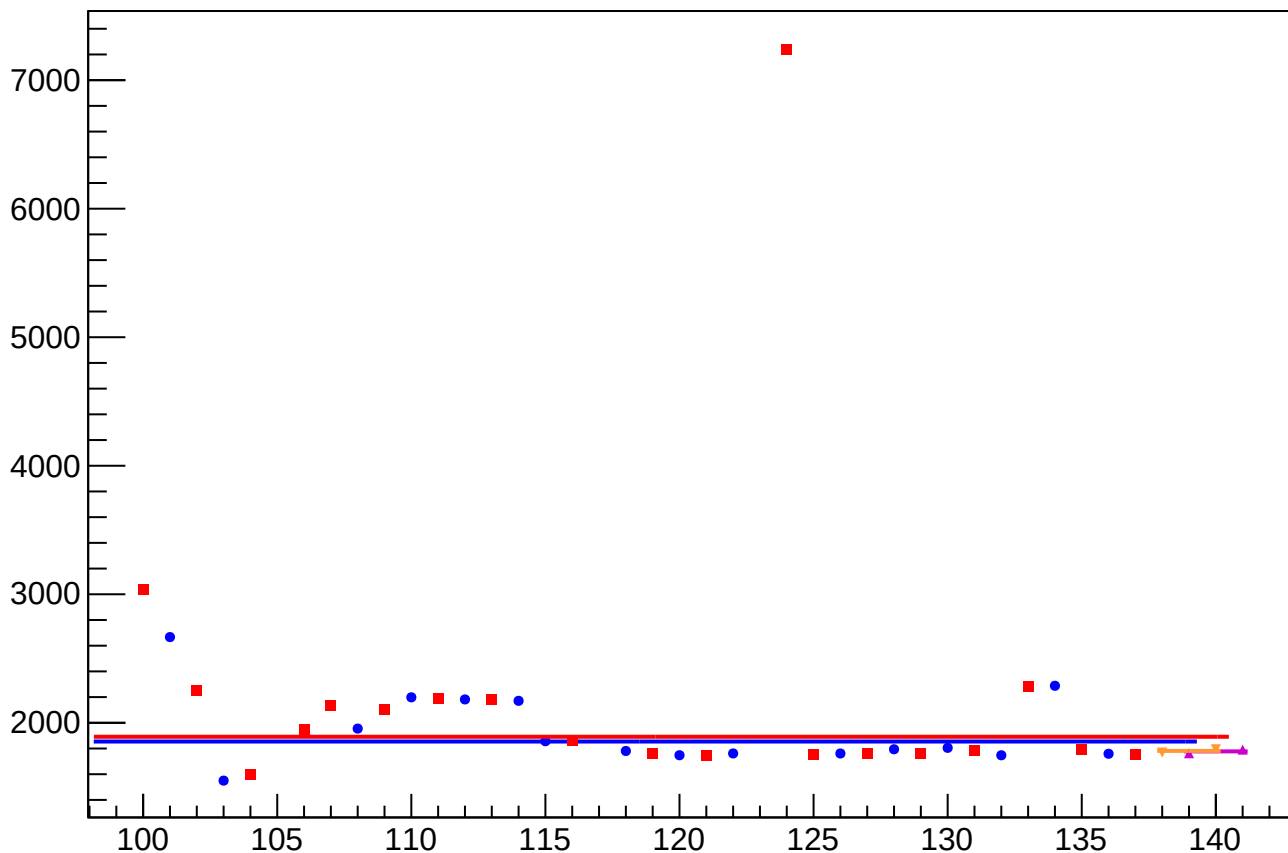
Left In: -2972.476 $\pm$ 1350.895 χ^2 /NDF: 0.1/1

+ sign 2534.769 $\pm$ 622.380 χ^2 /NDF: 20.5/17

All: 292.846 $\pm$ 441.466 χ^2 /NDF: 63.1/38

- sign -1977.352 $\pm$ 626.293 χ^2 /NDF: 16.6/20

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.7/15

Left Out: 1781.328+/-0.989 χ^2/NDF :168.0/1

Right Out: 1891.469+/-0.499 χ^2/NDF : 364050.6/18

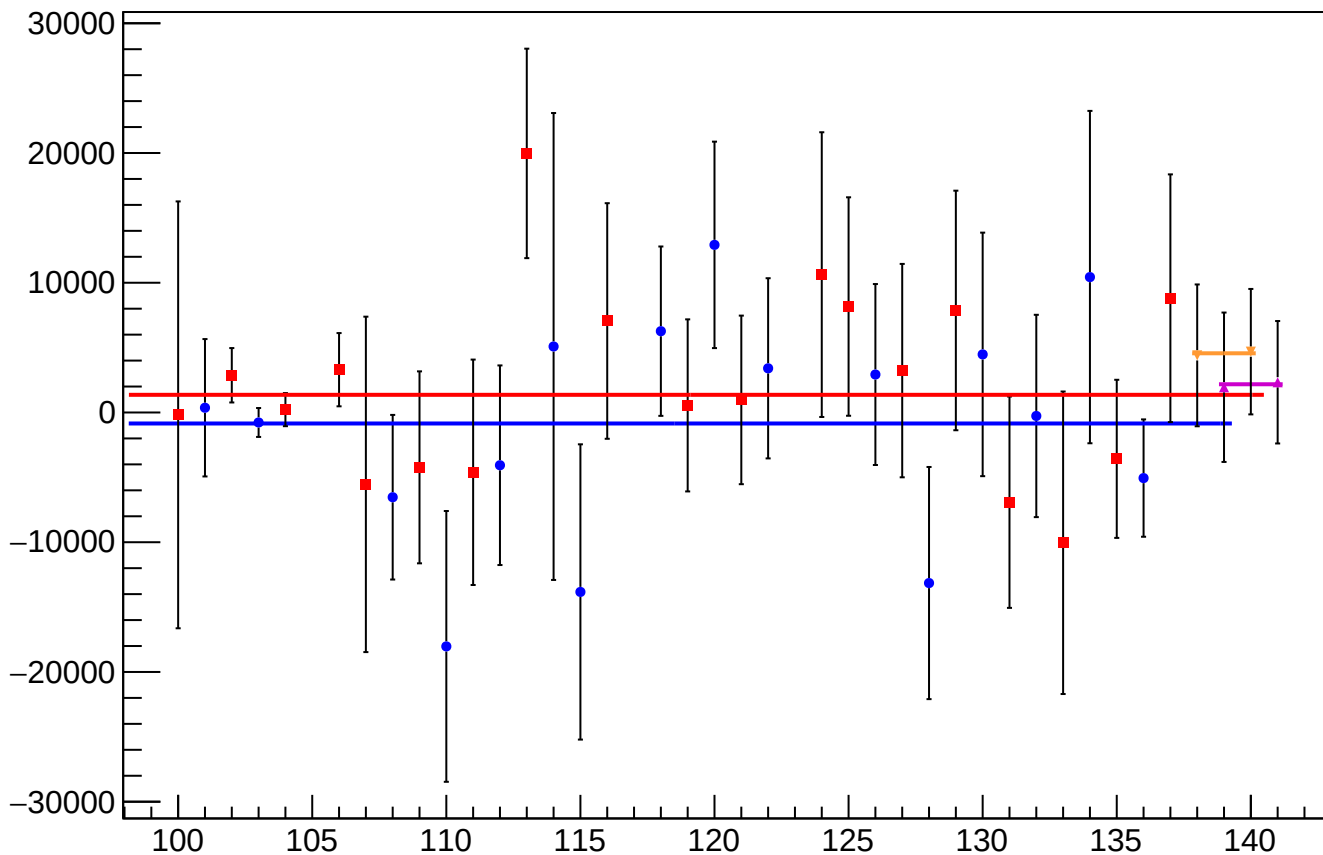
Left In: 1777.562+/-0.955 χ^2/NDF :217.4/1

+ sign 1839.848+/-0.440 χ^2/NDF : 267861.6/17

All: 1853.401+/-0.312 χ^2/NDF : 645209.2/38

- sign 1867.075+/-0.442 χ^2/NDF : 375442.3/20

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977 ± 962.920 χ^2/NDF : 13.9/15

Left Out: 4562.432 ± 3621.161 χ^2/NDF : 0.0/1

Right Out: 1361.523 ± 915.925 χ^2/NDF : 14.0/18

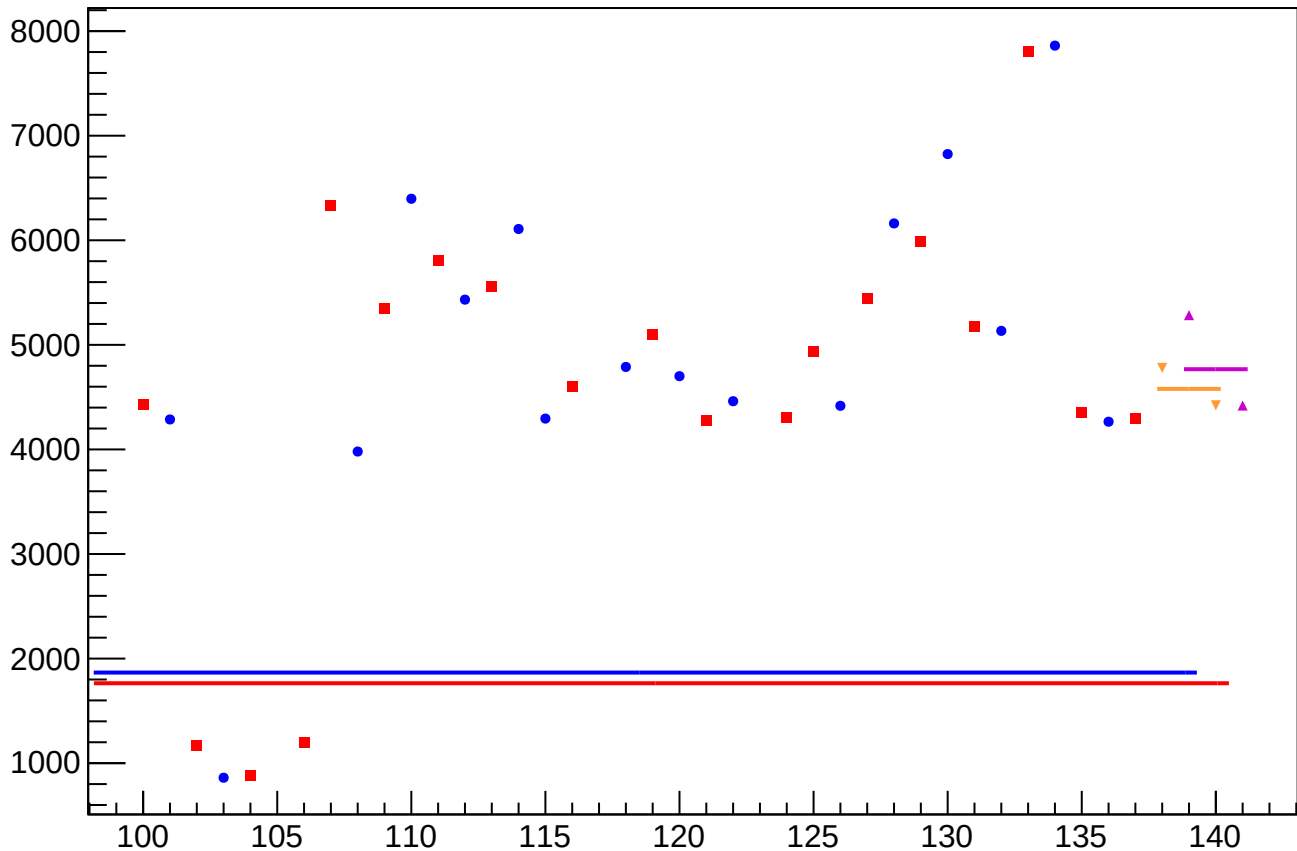
Left In: 2175.480 ± 3649.437 χ^2/NDF : 0.0/1

+ sign -490.669 ± 930.581 χ^2/NDF : 16.0/17

All: 503.618 ± 642.578 χ^2/NDF : 32.2/38

- sign 1409.755 ± 888.373 χ^2/NDF : 14.1/20

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF : 6849638.3/15

Left Out: 4578.989+/-2.561 χ^2/NDF : 4808.3/1

Right Out: 1764.281+/-0.648 χ^2/NDF : 6434807.7/18

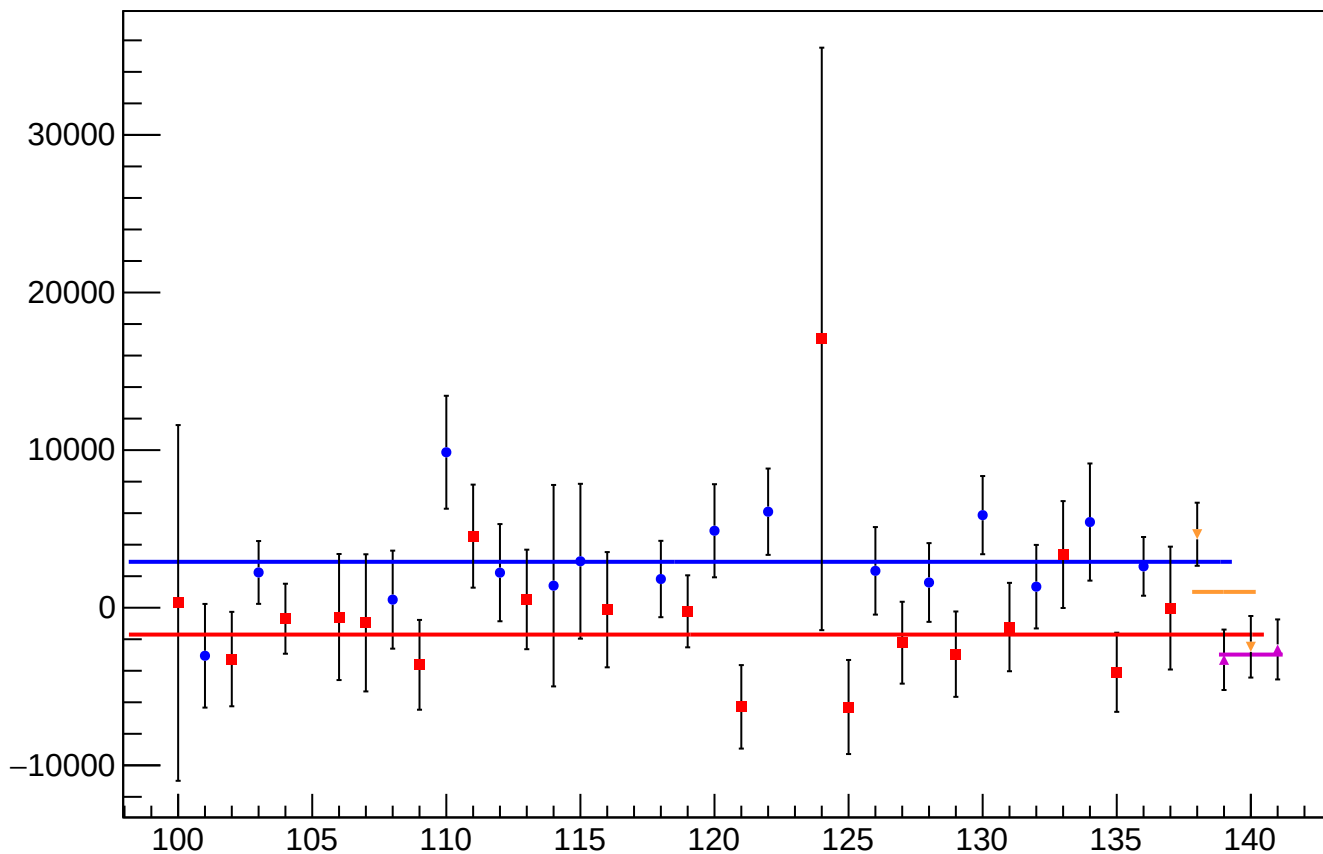
Left In: 4767.225+/-2.581 χ^2/NDF : 26962.7/1

+ sign 2045.546+/-0.658 χ^2/NDF : 7902609.0/17

All: 1991.490+/-0.454 χ^2/NDF : 15651202.4/3

- sign 1942.226+/-0.628 χ^2/NDF : 7735694.6/20

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 $\pm$ 695.062 χ^2 /NDF: 12.4/15

Left Out: 1004.783 $\pm$ 1397.981 χ^2 /NDF:6.5/1

Right Out: -1703.523 $\pm$ 706.847 χ^2 /NDF: 15.8/18

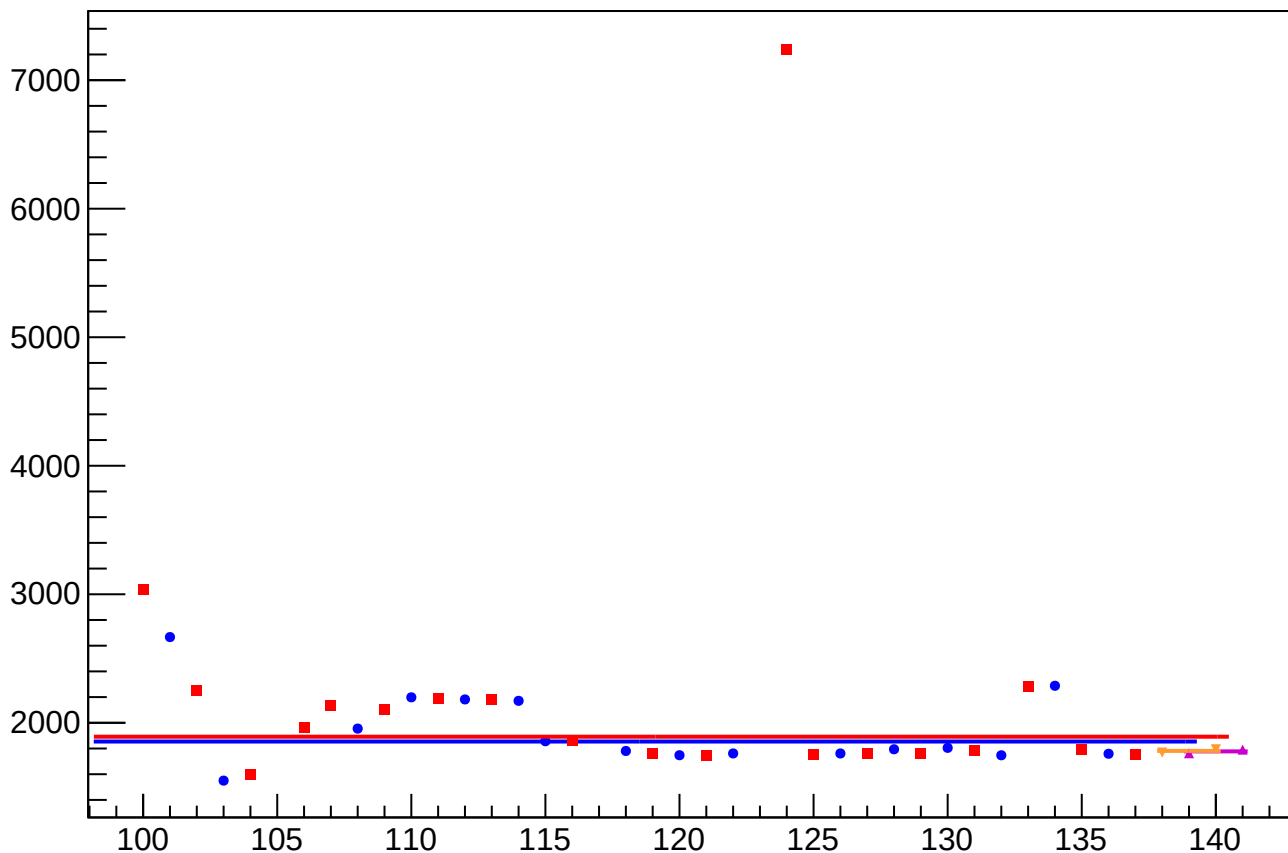
Left In: -2972.863 $\pm$ 1350.895 χ^2 /NDF:0.1/1

+ sign 2534.859 $\pm$ 622.380 χ^2 /NDF: 20.5/17

All: 293.390 $\pm$ 441.466 χ^2 /NDF: 63.1/38

- sign -1976.352 $\pm$ 626.293 χ^2 /NDF: 16.6/20

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF :168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

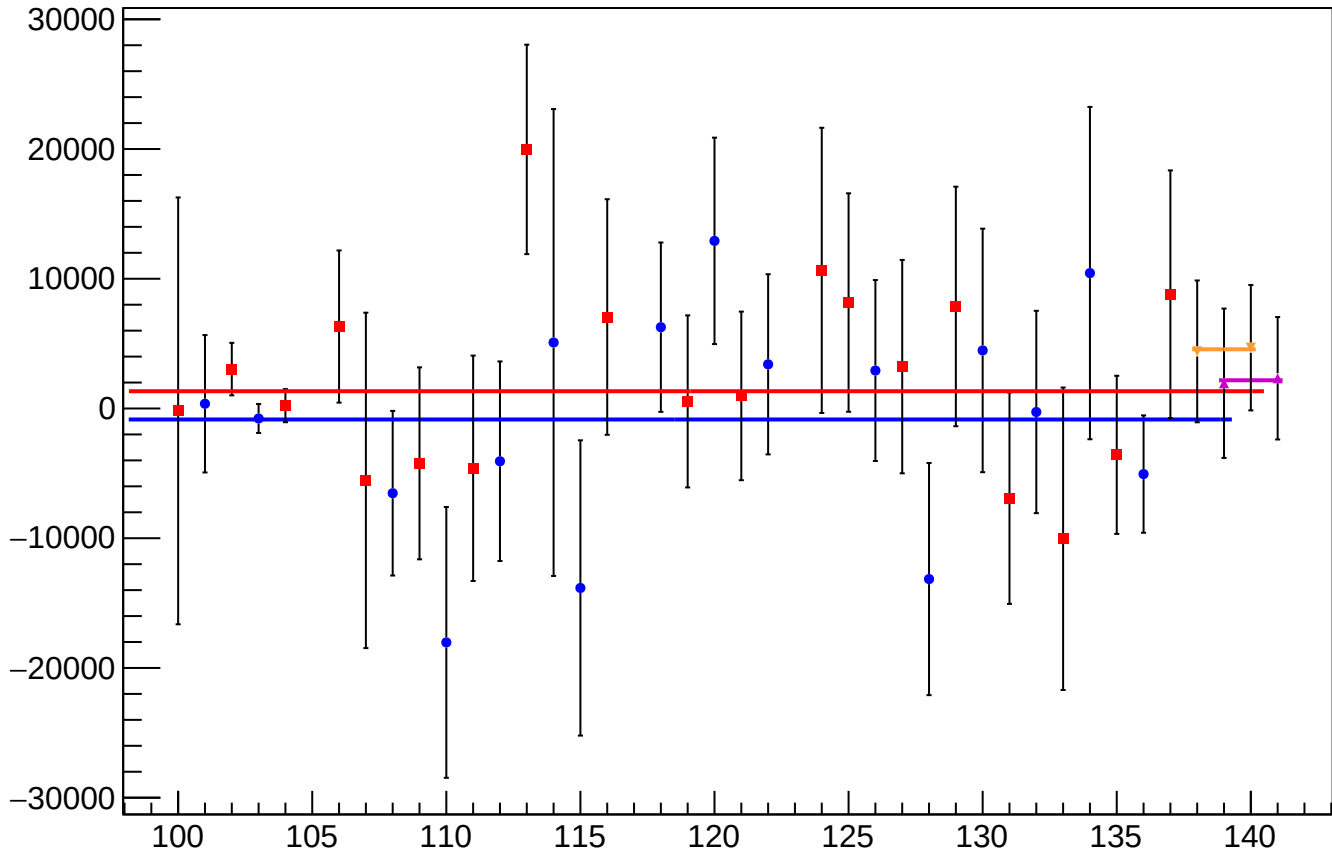
Left In: 1777.562+/-0.955 χ^2/NDF :217.4/1

+ sign 1839.848+/-0.440 χ^2/NDF : 267861.4/17

All: 1853.573+/-0.312 χ^2/NDF : 645588.8/38

- sign 1867.427+/-0.442 χ^2/NDF : 375772.9/20

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF : 13.9/15

Left Out: 4562.325+/-3621.155 χ^2/NDF : 0.0/1

Right Out: 1331.371+/-948.163 χ^2/NDF : 14.4/18

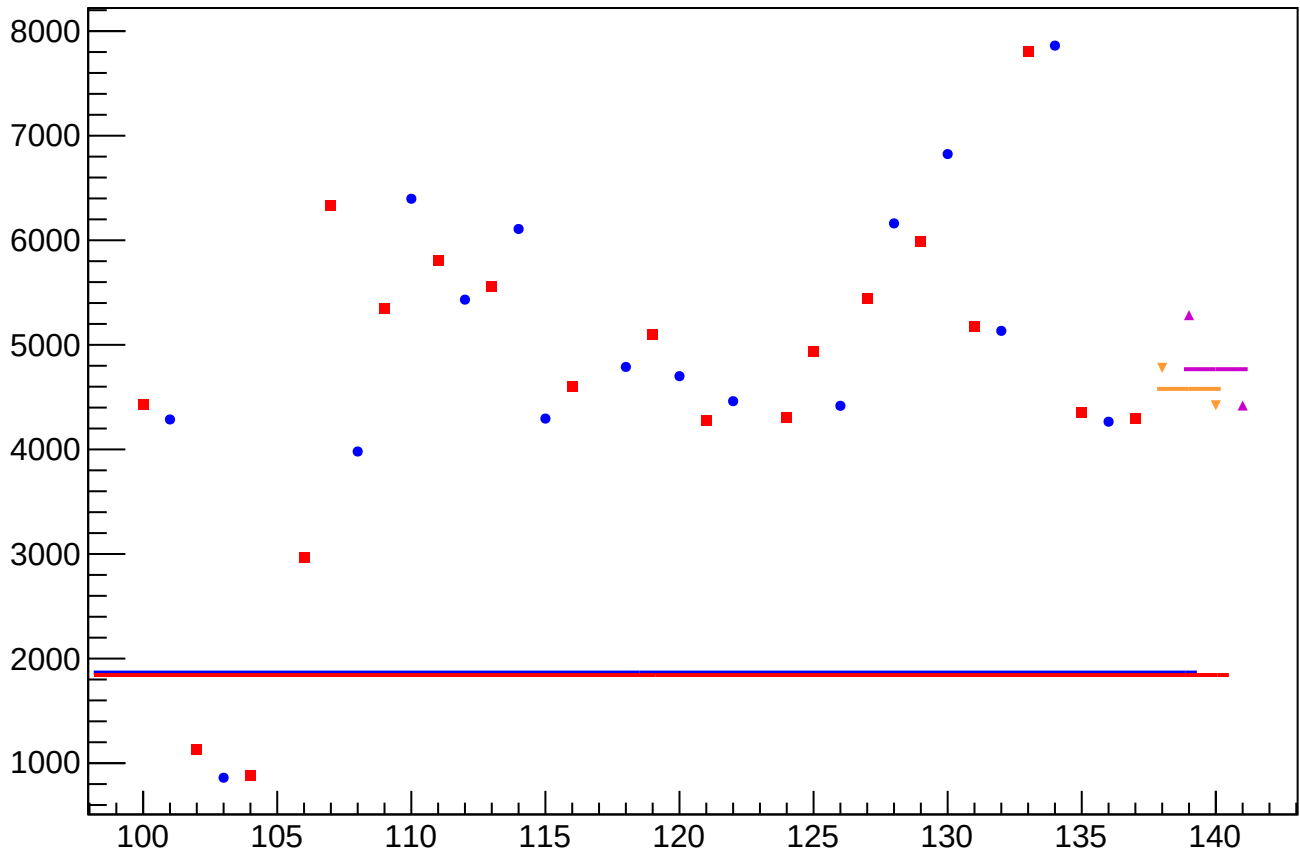
Left In: 2175.352+/-3649.437 χ^2/NDF : 0.0/1

+ sign -490.270+/-930.532 χ^2/NDF : 16.0/17

All: 460.257+/-653.400 χ^2/NDF : 32.5/38

- sign 1384.739+/-917.696 χ^2/NDF : 14.5/20

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF : 4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

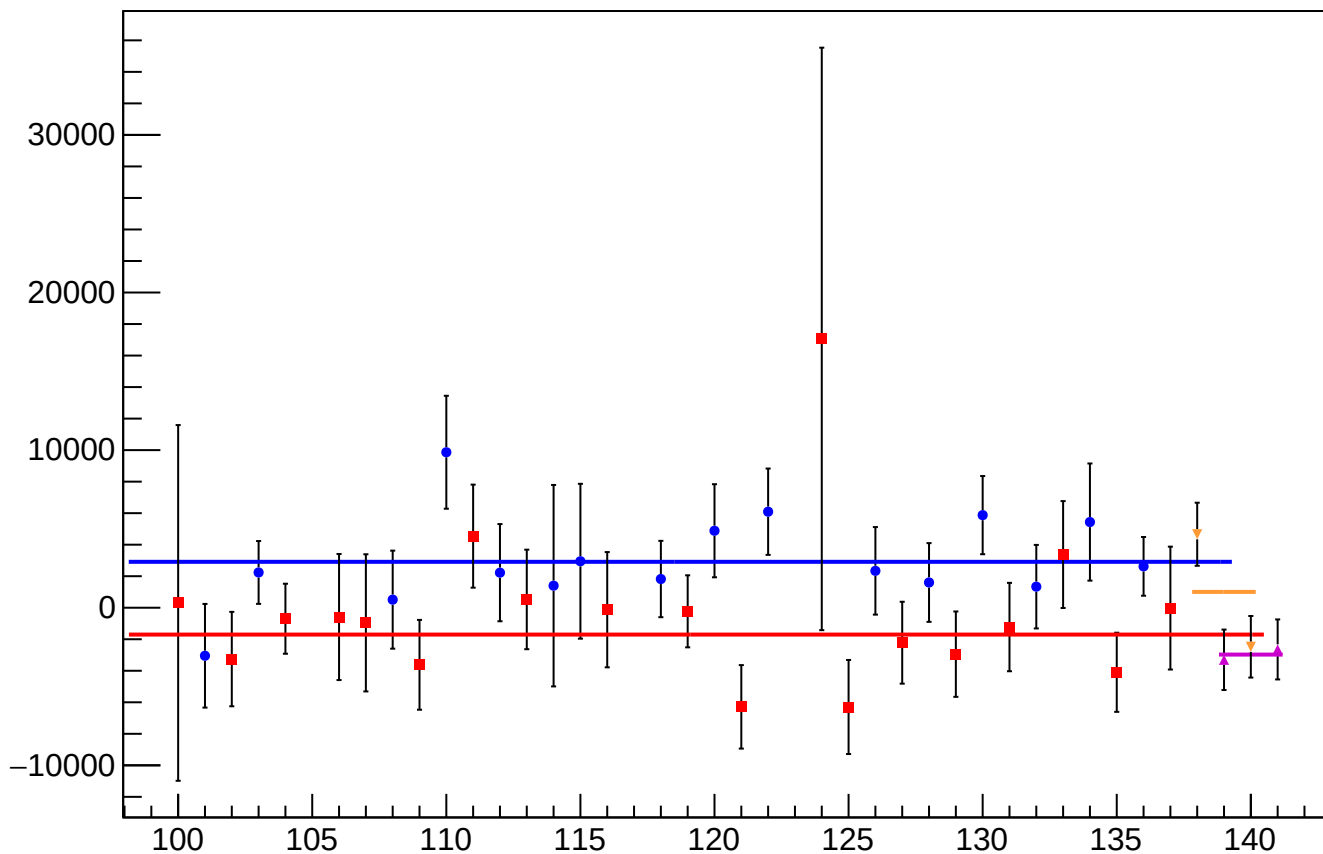
Left In: 4767.225+/-2.581 χ^2/NDF : 26963.2/1

+ sign 2045.384+/-0.658 χ^2/NDF : 7903155.9/17

All: 2036.469+/-0.462 χ^2/NDF : 15591939.1/3

- sign 2027.798+/-0.649 χ^2/NDF : 7688421.0/20

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 $\pm$ 695.062 χ^2 /NDF: 12.4/15

Left Out: 1004.783 $\pm$ 1397.981 χ^2 /NDF: 6.5/1

Right Out: -1703.523 $\pm$ 706.847 χ^2 /NDF: 15.8/18

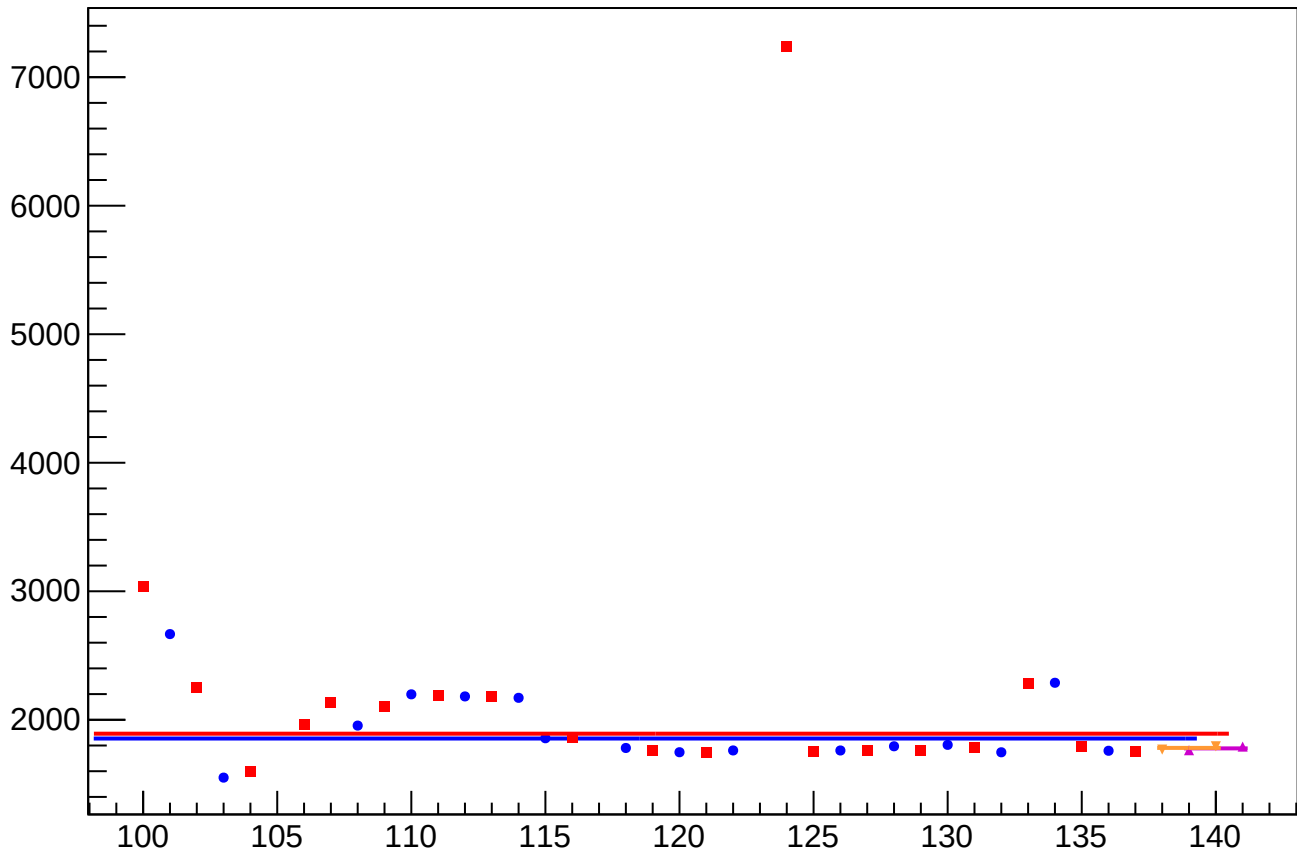
Left In: -2972.863 $\pm$ 1350.895 χ^2 /NDF: 0.1/1

+ sign 2534.859 $\pm$ 622.380 χ^2 /NDF: 20.5/17

All: 293.390 $\pm$ 441.466 χ^2 /NDF: 63.1/38

- sign -1976.352 $\pm$ 626.293 χ^2 /NDF: 16.6/20

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF :168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

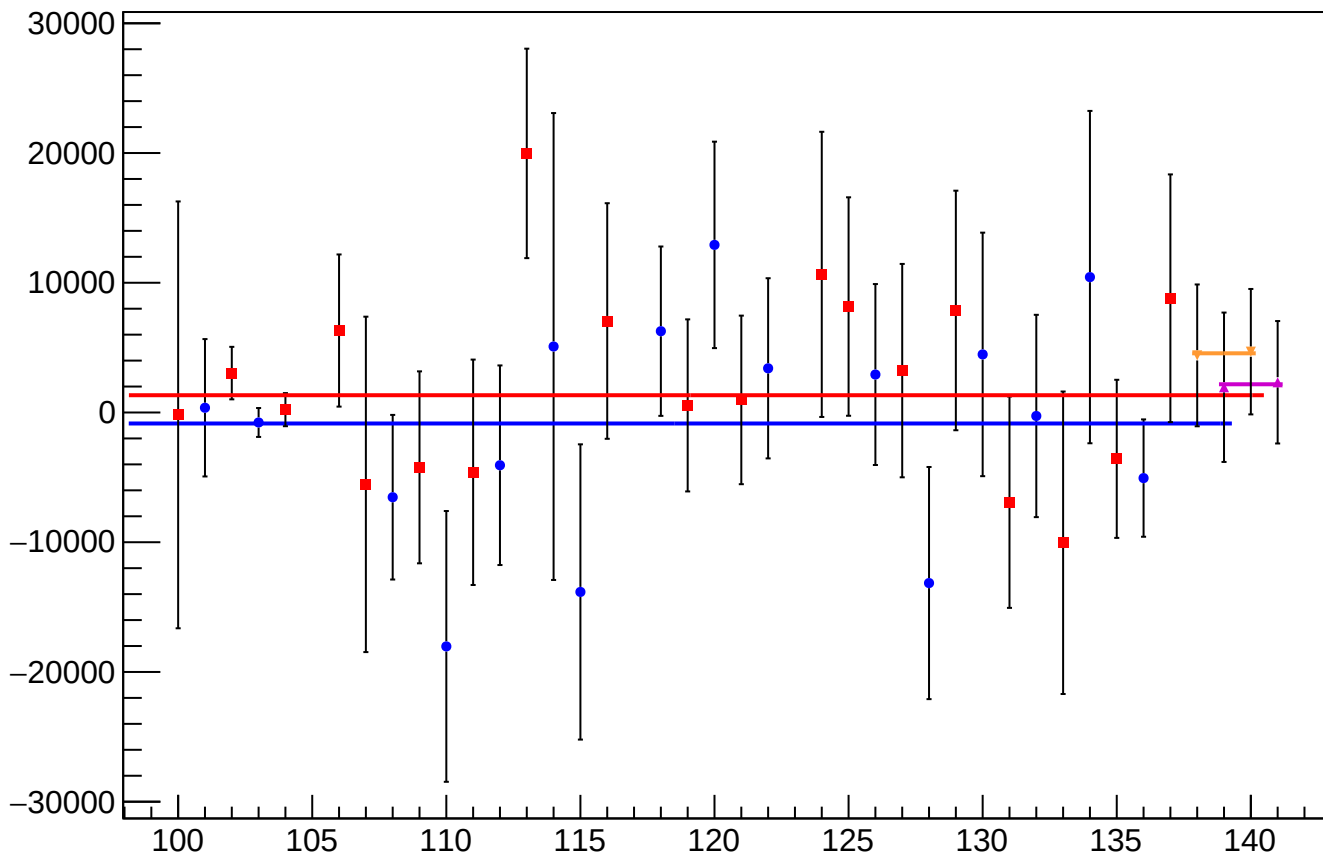
Left In: 1777.562+/-0.955 χ^2/NDF :217.4/1

+ sign 1839.848+/-0.440 χ^2/NDF : 267861.4/17

All: 1853.573+/-0.312 χ^2/NDF : 645588.8/38

- sign 1867.427+/-0.442 χ^2/NDF : 375772.9/20

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

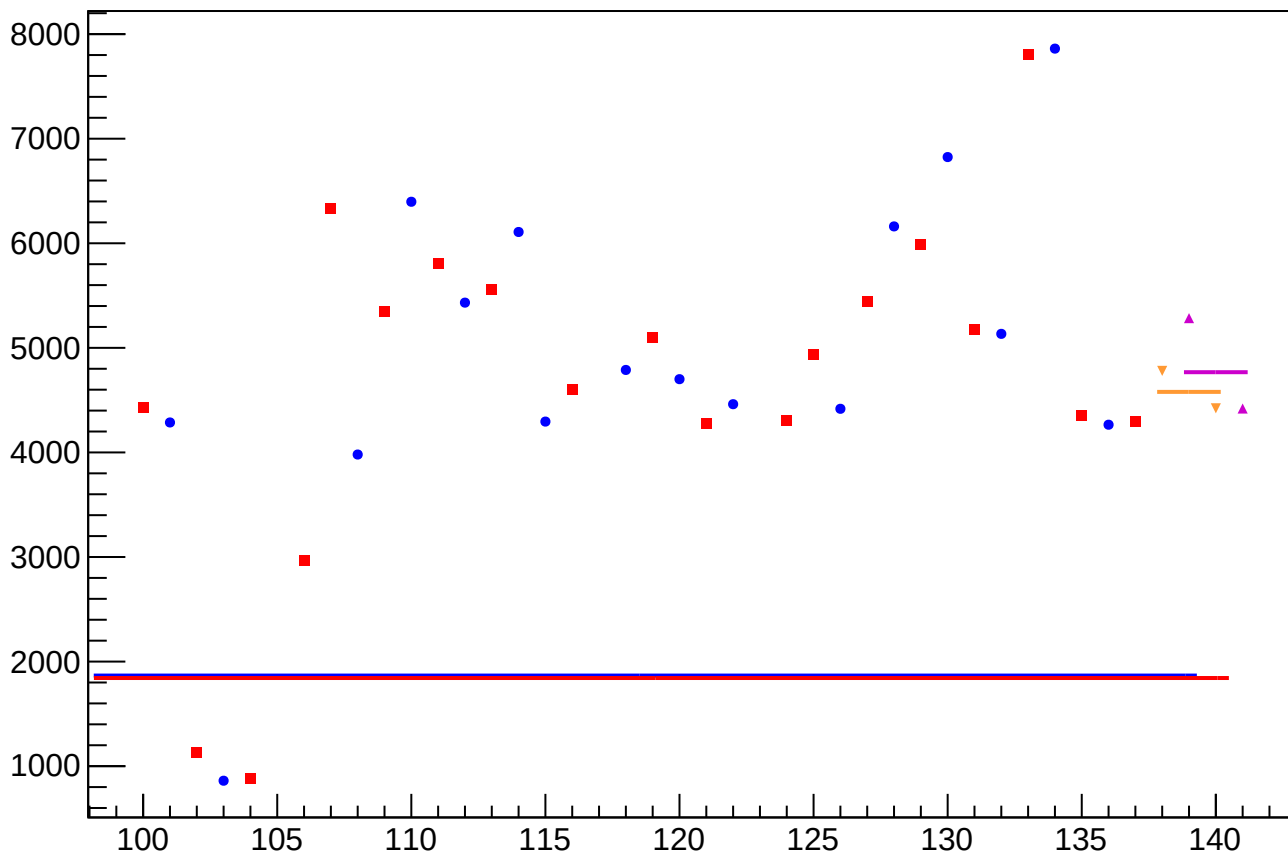
Left In: 2175.352 ± 3649.437 χ^2/NDF : 0.0/1

+ sign -490.270 ± 930.532 χ^2/NDF : 16.0/17

All: 460.257 ± 653.400 χ^2/NDF : 32.5/38

- sign 1384.739 ± 917.696 χ^2/NDF : 14.5/20

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF : 4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

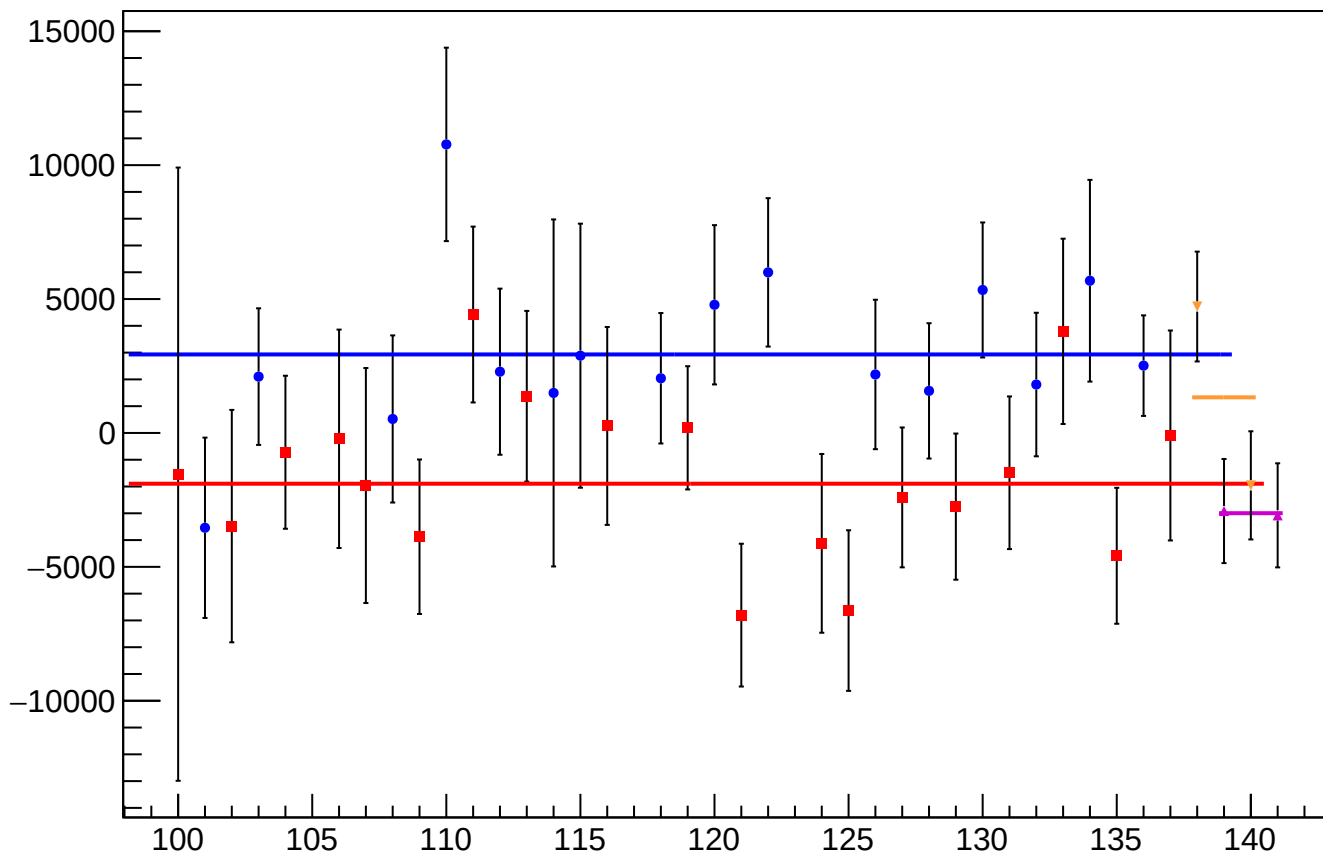
Left In: 4767.225+/-2.581 χ^2/NDF : 26963.2/1

+ sign 2045.384+/-0.658 χ^2/NDF : 7903155.9/17

All: 2036.469+/-0.462 χ^2/NDF : 15591939.1/3

- sign 2027.798+/-0.649 χ^2/NDF : 7688421.0/20

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF : 13.0/15

Left Out: 1330.318+/-1438.718 χ^2/NDF : 5.4/1

Right Out: -1895.503+/-721.954 χ^2/NDF : 17.4/18

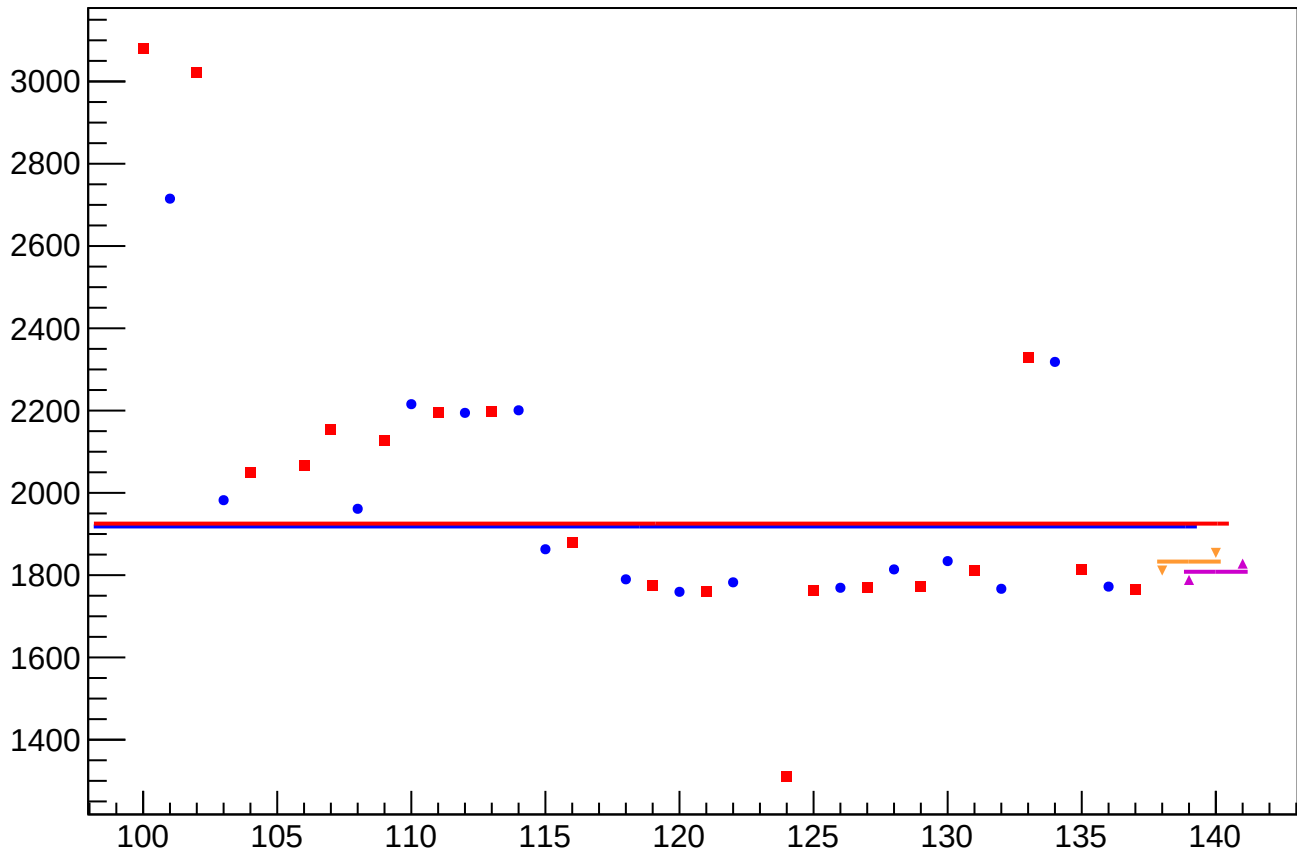
Left In: -2996.164+/-1374.327 χ^2/NDF : 0.0/1

+ sign 2612.166+/-642.660 χ^2/NDF : 19.4/17

All: 226.253+/-453.177 χ^2/NDF : 64.7/38

- sign -2133.546+/-639.133 χ^2/NDF : 17.9/20

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF : 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF : 446.0/1

Right Out: 1925.260+/-0.510 χ^2/NDF : 339095.4/18

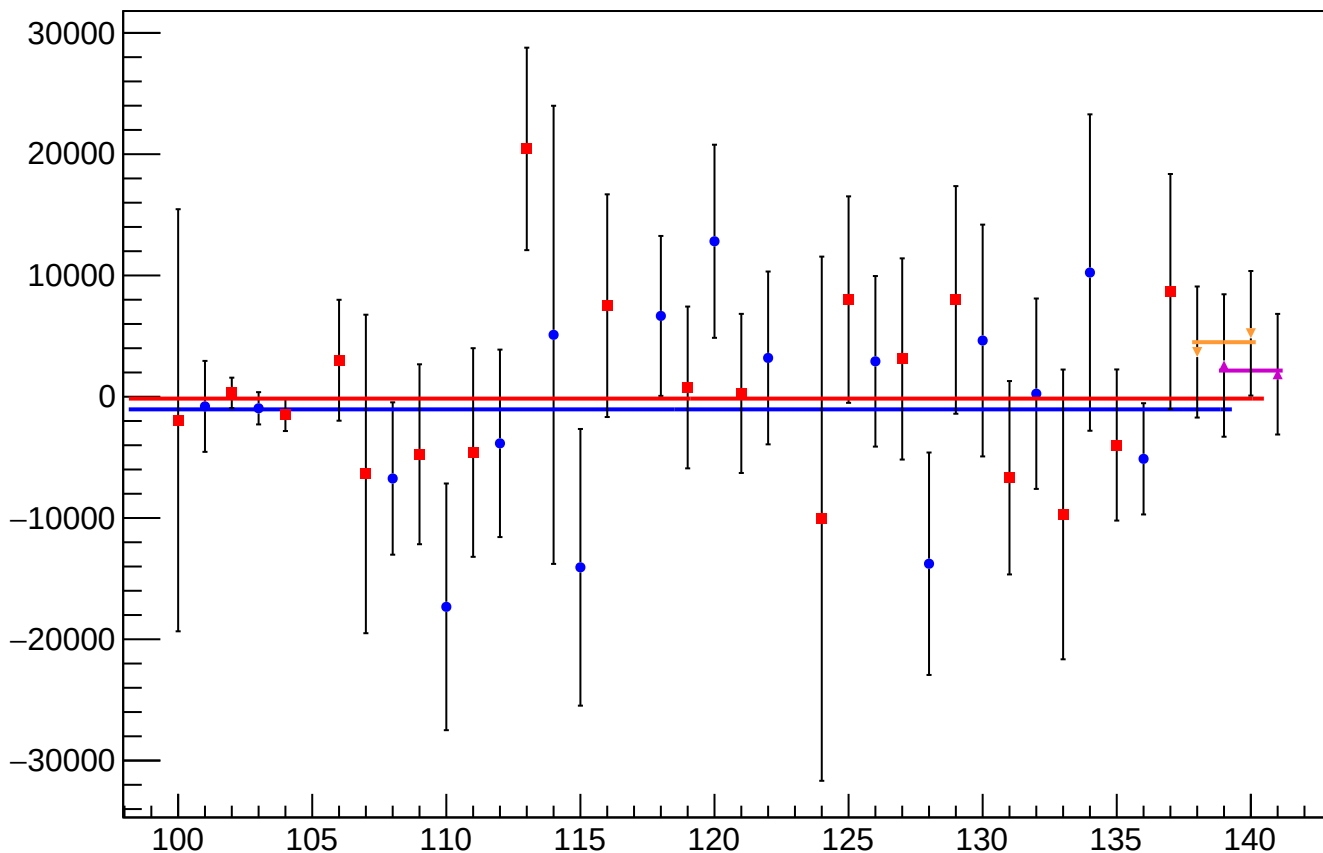
Left In: 1808.215+/-0.972 χ^2/NDF : 416.3/1

+ sign 1901.331+/-0.454 χ^2/NDF : 221677.0/17

All: 1900.651+/-0.320 χ^2/NDF : 572566.1/38

- sign 1899.979+/-0.452 χ^2/NDF : 350884.6/20

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

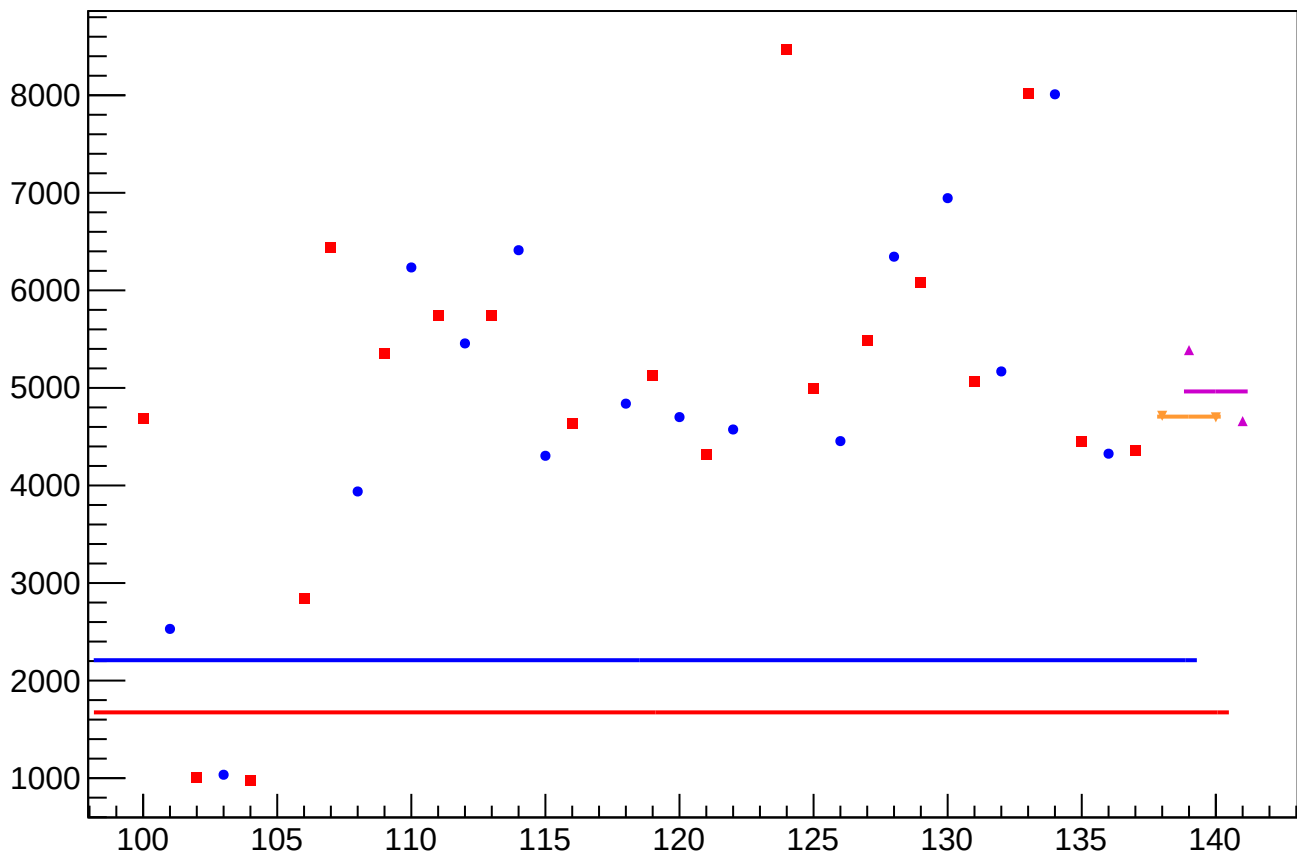
Left In: 2157.871 ± 3795.312 χ^2/NDF : 0.0/1

+ sign -617.460 ± 1030.506 χ^2/NDF : 15.9/17

All: -266.719 ± 639.778 χ^2/NDF : 30.2/38

- sign -46.741 ± 816.107 χ^2/NDF : 14.1/20

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF : 5499011.4/15

Left Out: 4705.809+/-2.633 χ^2/NDF : 9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853212.9/18

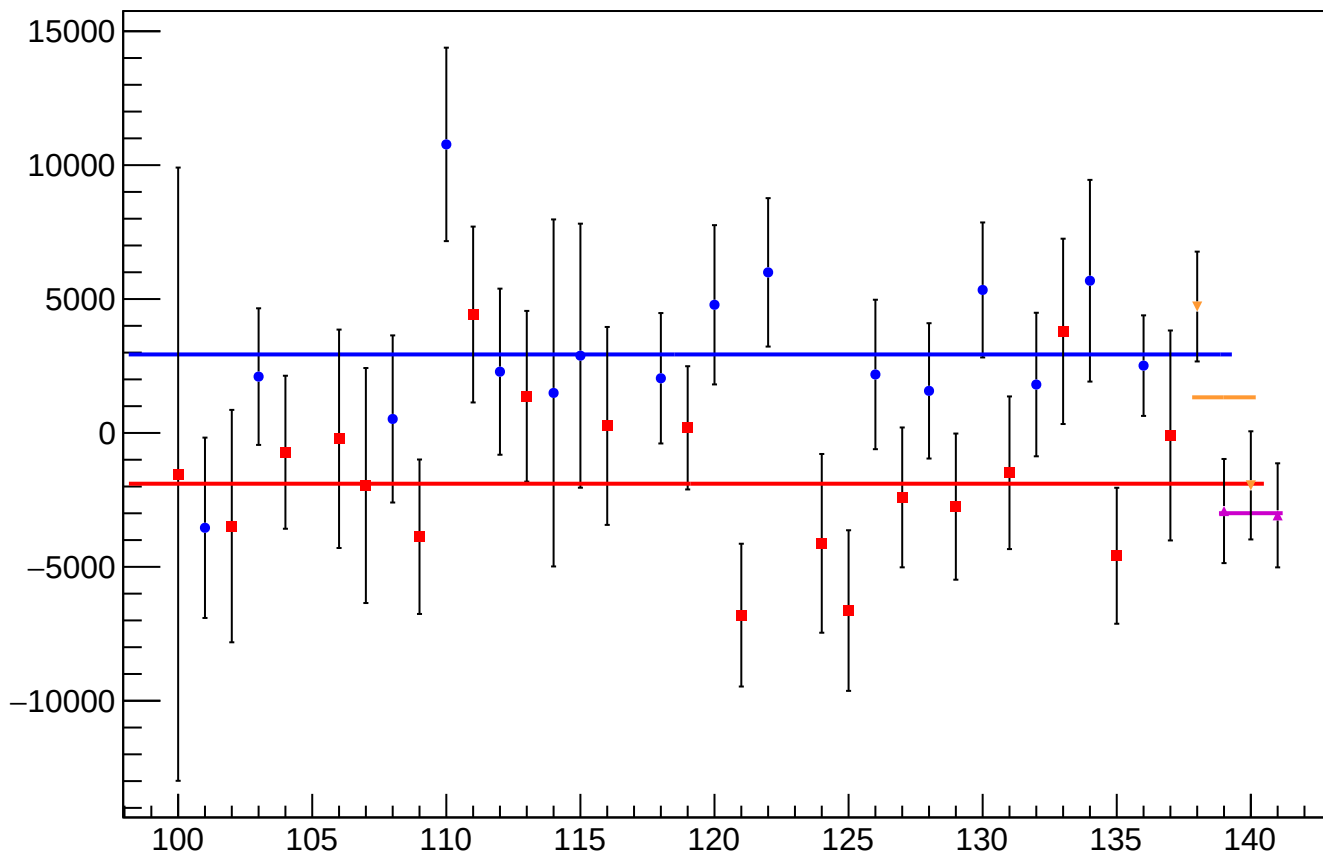
Left In: 4963.769+/-2.684 χ^2/NDF : 17880.6/1

+ sign 2400.215+/-0.729 χ^2/NDF : 6329699.1/17

All: 2047.490+/-0.452 χ^2/NDF : 15015122.6/3

- sign 1826.267+/-0.577 χ^2/NDF : 8304149.4/20

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693 $\pm$ 718.305 χ^2/NDF : 13.0/15

Left Out: 1330.312 $\pm$ 1438.718 χ^2/NDF : 5.4/1

Right Out: -1895.508 $\pm$ 721.953 χ^2/NDF : 17.4/18

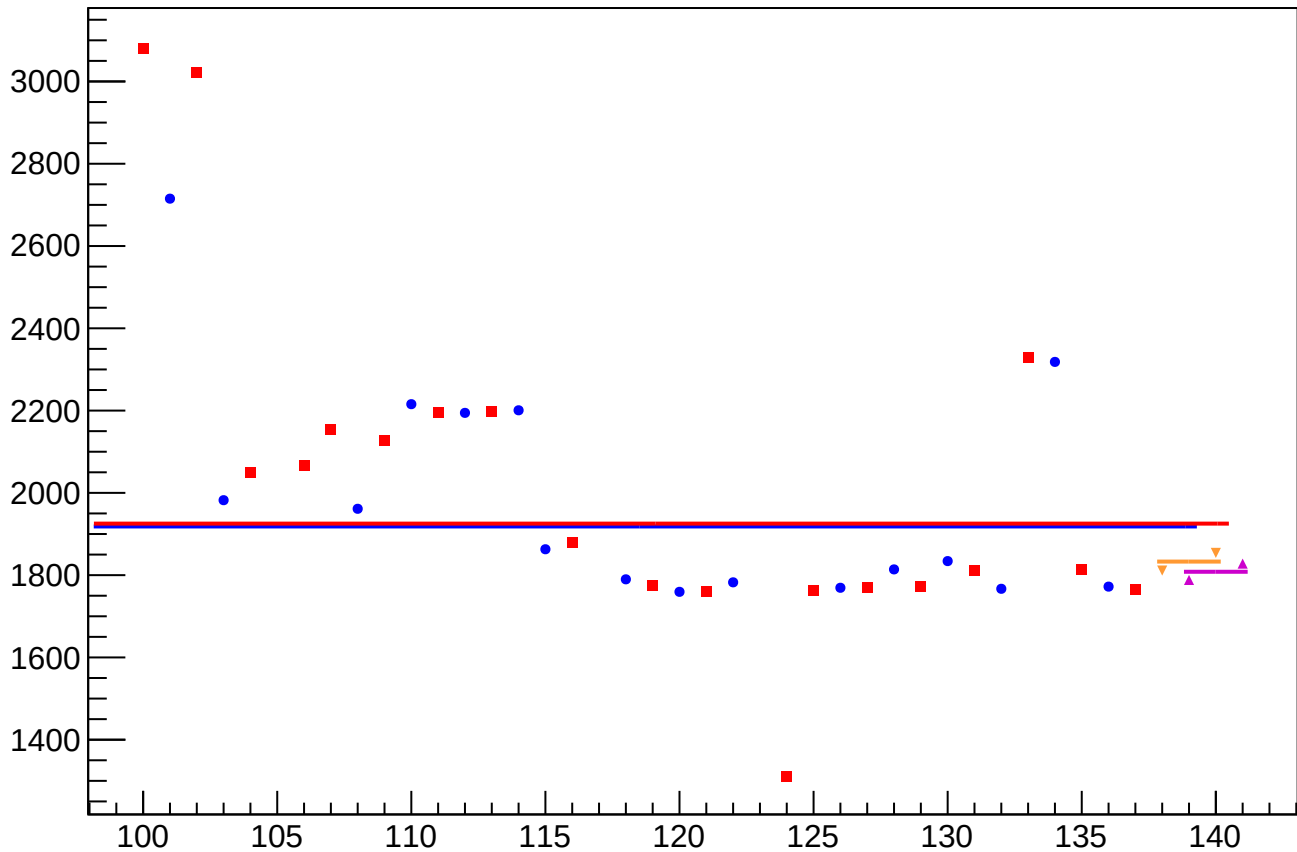
Left In: -2996.144 $\pm$ 1374.327 χ^2/NDF : 0.0/1

+ sign 2612.167 $\pm$ 642.660 χ^2/NDF : 19.4/17

All: 226.254 $\pm$ 453.177 χ^2/NDF : 64.7/38

- sign -2133.546 $\pm$ 639.133 χ^2/NDF : 17.9/20

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF : 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF : 446.0/1

Right Out: 1925.259+/-0.510 χ^2/NDF : 339094.4/18

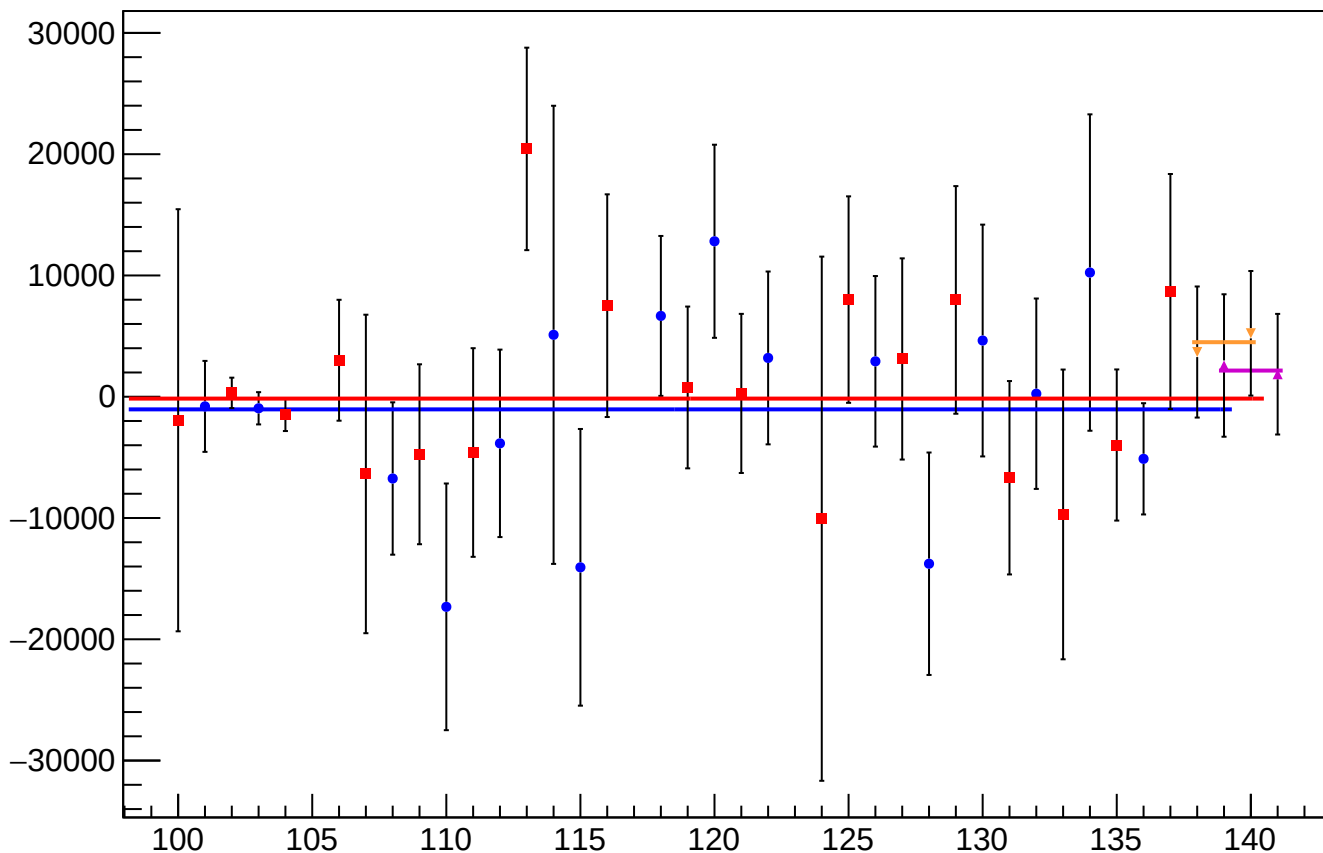
Left In: 1808.216+/-0.972 χ^2/NDF : 416.3/1

+ sign 1901.331+/-0.454 χ^2/NDF : 221677.0/17

All: 1900.650+/-0.320 χ^2/NDF : 572564.8/38

- sign 1899.978+/-0.452 χ^2/NDF : 350883.4/20

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF : 13.8/15

Left Out: 4498.017+/-3722.979 χ^2/NDF : 0.0/1

Right Out: -153.614+/-835.655 χ^2/NDF : 13.7/18

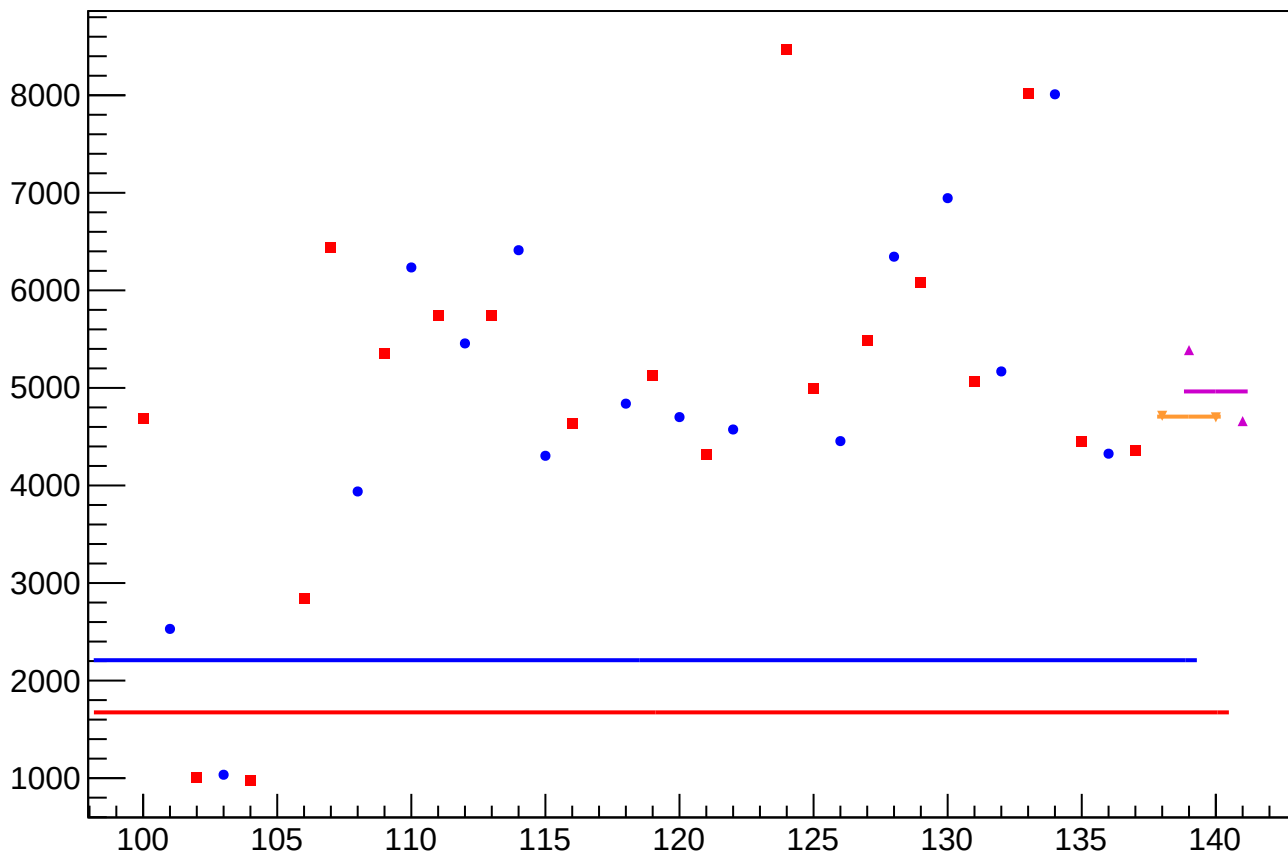
Left In: 2157.892+/-3795.315 χ^2/NDF : 0.0/1

+ sign -617.459+/-1030.505 χ^2/NDF : 15.9/17

All: -266.715+/-639.777 χ^2/NDF : 30.2/38

- sign -46.735+/-816.107 χ^2/NDF : 14.1/20

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF : 5499004.2/15

Left Out: 4705.813+/-2.633 χ^2/NDF : 9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853204.8/18

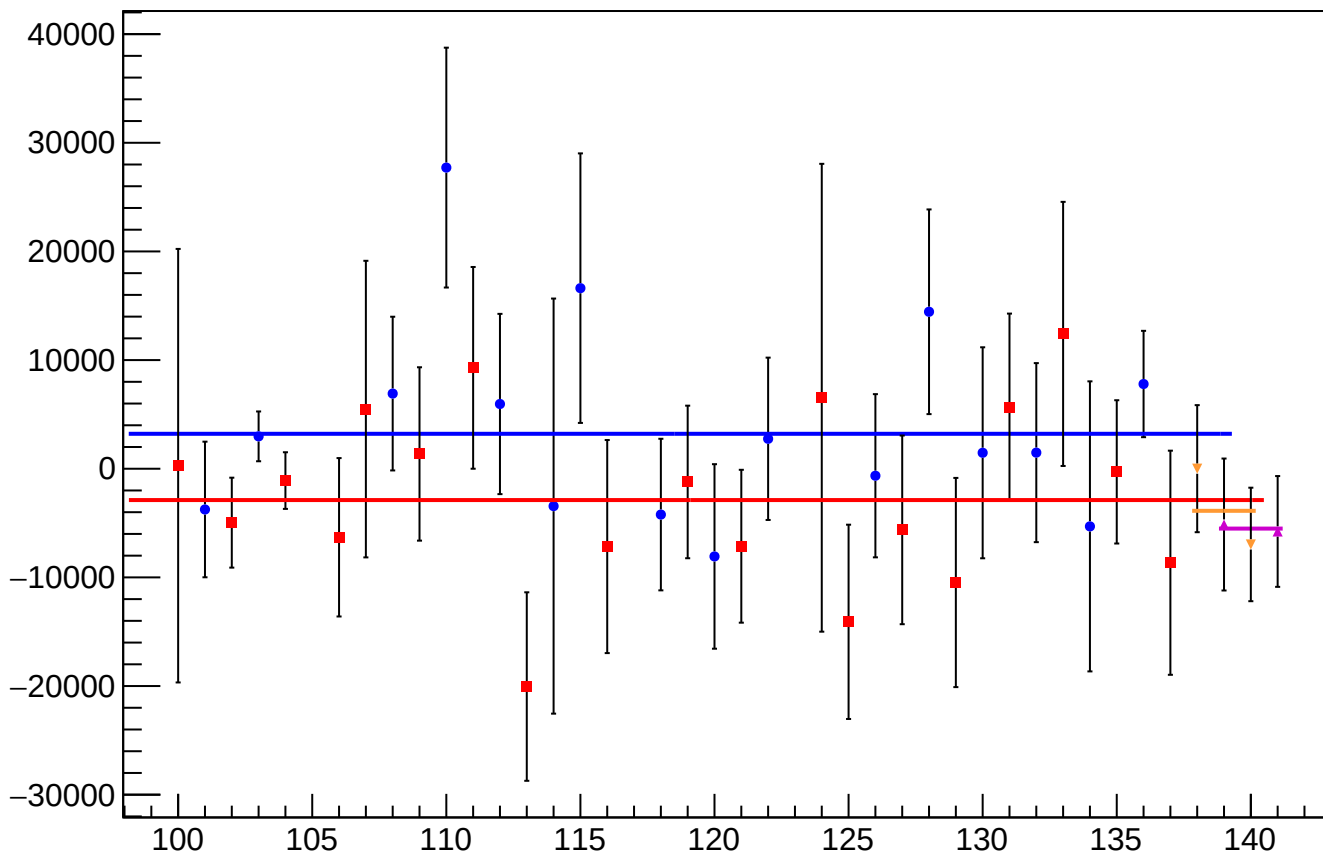
Left In: 4963.773+/-2.684 χ^2/NDF : 17881.1/1

+ sign 2400.214+/-0.729 χ^2/NDF : 6329693.8/17

All: 2047.489+/-0.452 χ^2/NDF : 15015110.9/3

- sign 1826.267+/-0.577 χ^2/NDF : 8304143.2/20

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

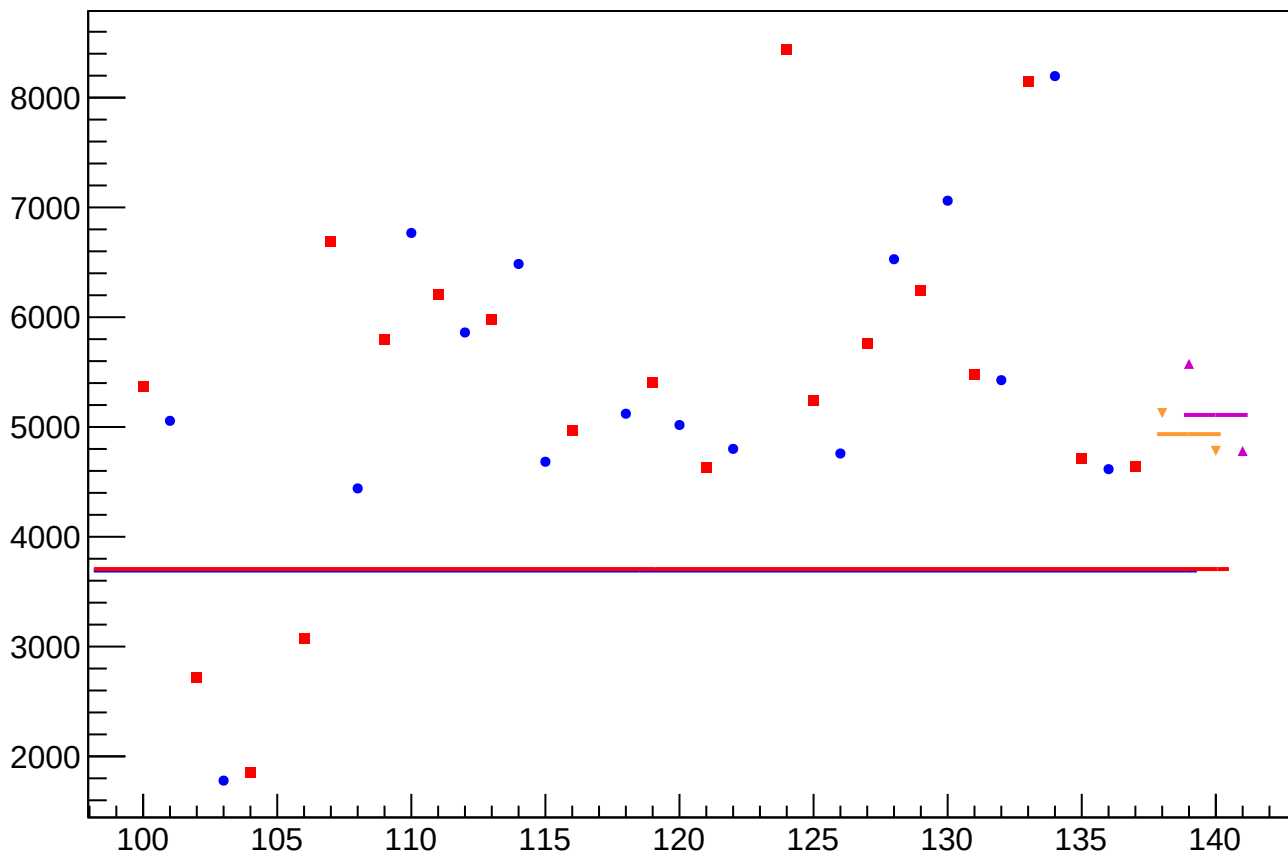
Left In: -5508.728 $\pm$ 3904.735 χ^2 /NDF:0.0/1

+ sign 2258.430 $\pm$ 1431.563 χ^2 /NDF: 17.5/17

All: -470.955 $\pm$ 1016.060 χ^2 /NDF: 38.6/38

- sign -3241.622 $\pm$ 1442.349 χ^2 /NDF: 13.8/20

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

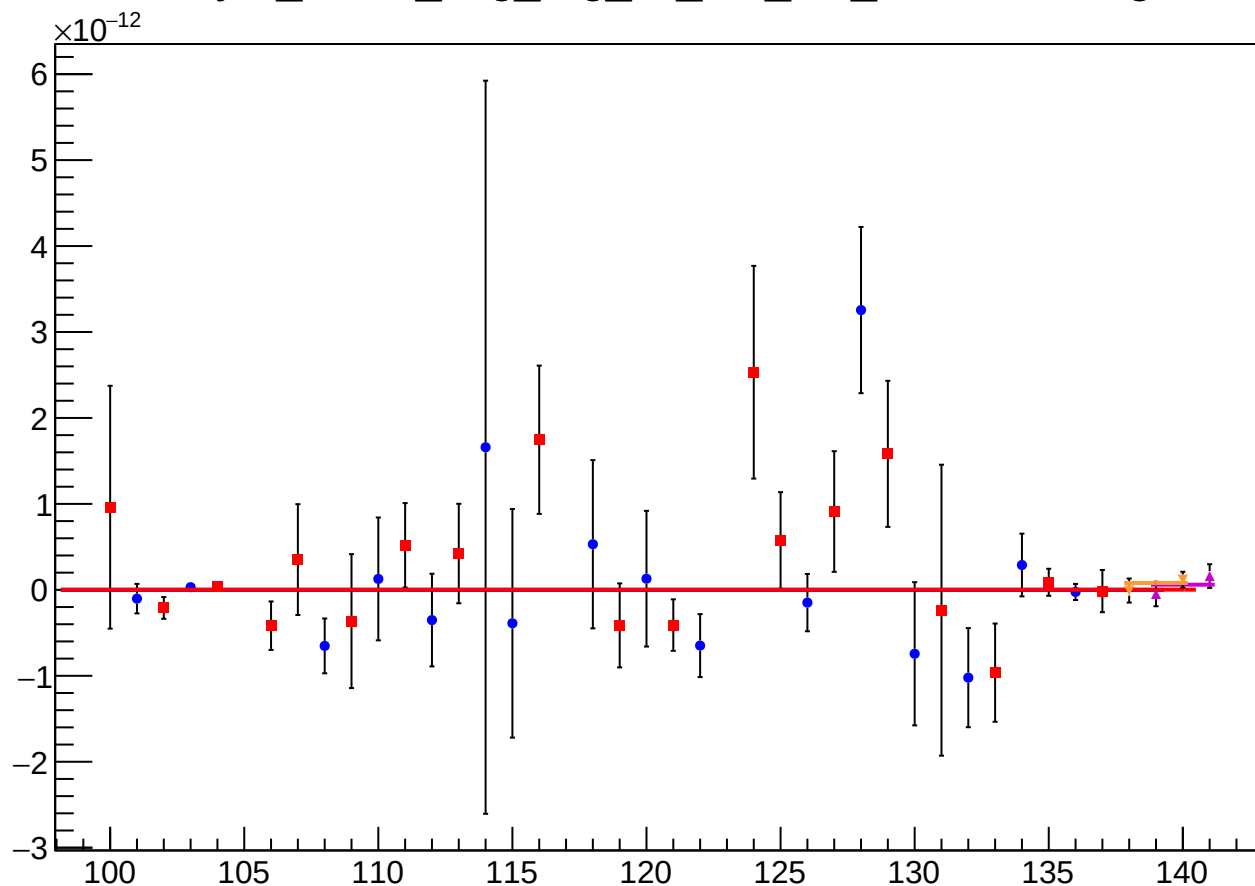
Left In: 5109.757+/-2.761 χ^2/NDF : 20051.1/1

+ sign 3860.593+/-1.012 χ^2/NDF : 3065480.0/17

All: 3877.472+/-0.715 χ^2/NDF : 5994408.9/38

- sign 3894.311+/-1.011 χ^2/NDF : 2928373.5/20

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2/NDF : 25.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 28.2/18

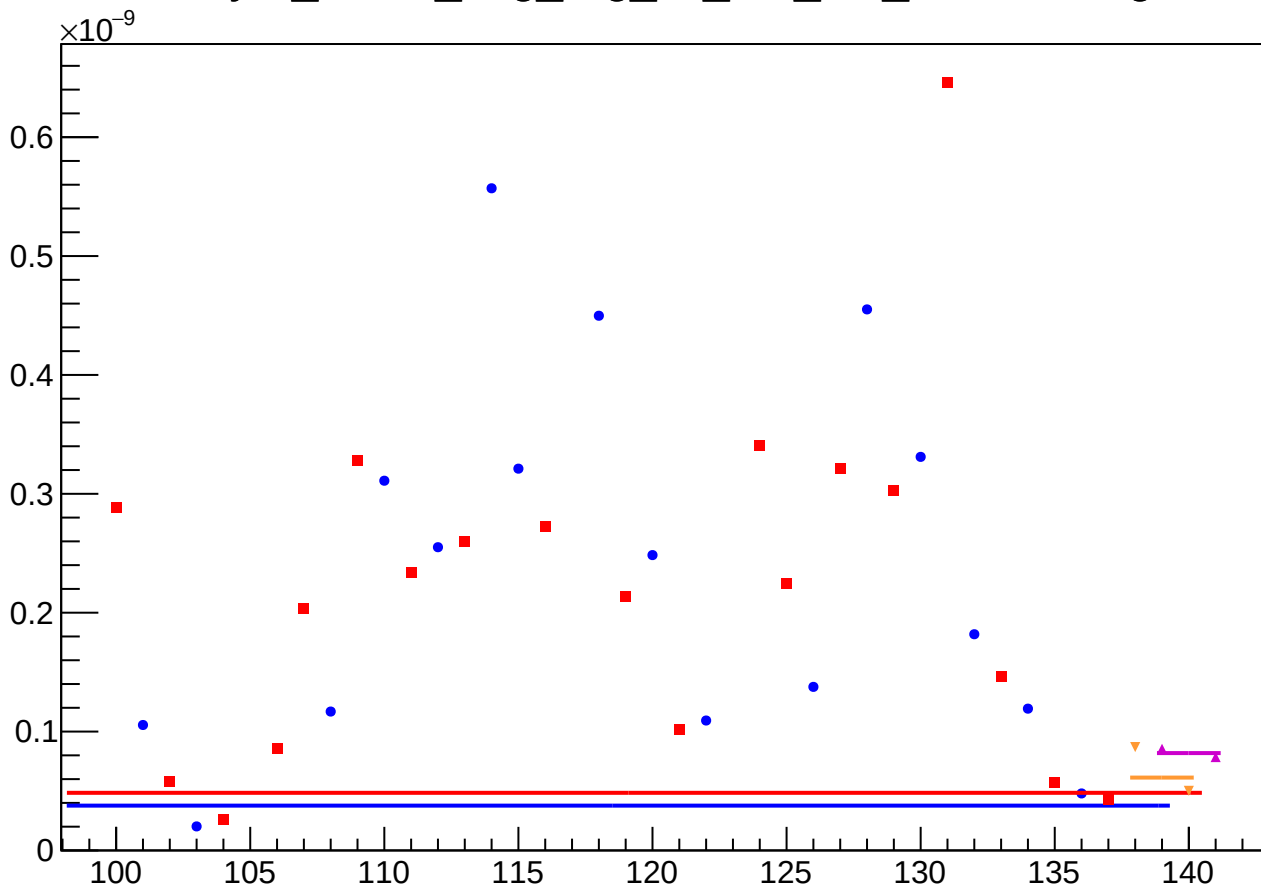
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 26.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 56.5/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 29.6/20

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

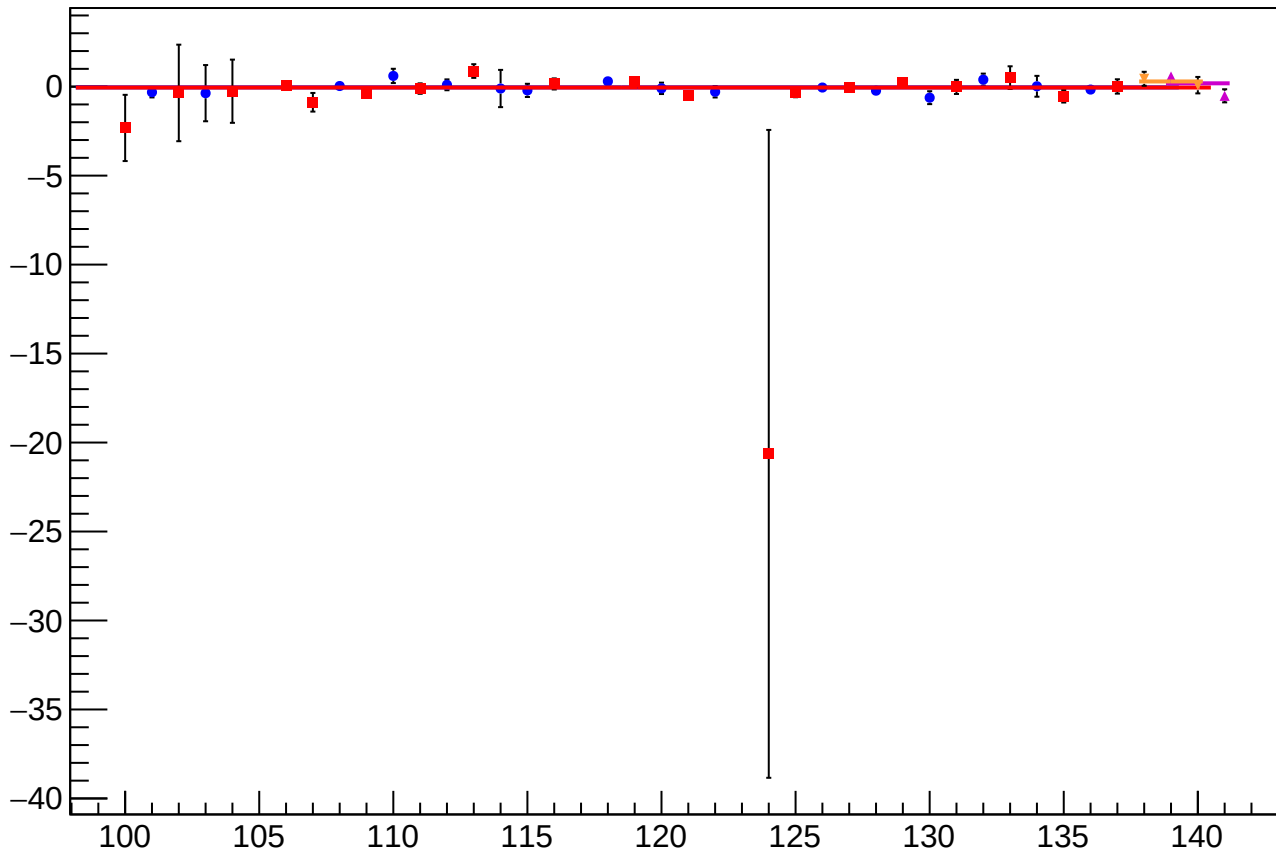
Left In: 0.000+/-0.000 χ^2/NDF : 2465.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 3390755.3/17

All: 0.000+/-0.000 χ^2/NDF : 6585274.0/38

- sign 0.000+/-0.000 χ^2/NDF : 3086810.2/20

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

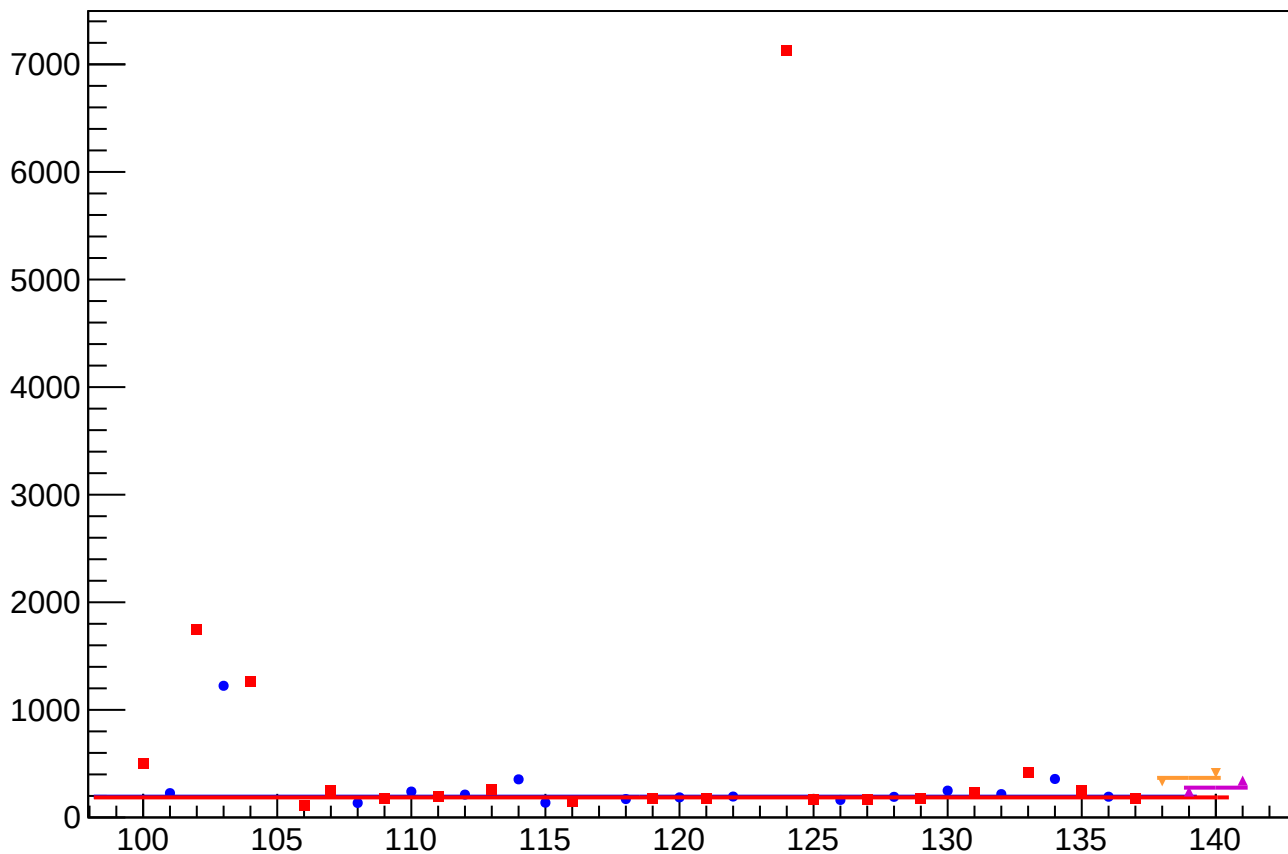
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.021 ± 0.053 χ^2/NDF : 42.9/38

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF : 1408397.0/15

Left Out: 367.850+/-0.212 χ^2/NDF : 32213.3/1

Right Out: 186.379+/-0.056 χ^2/NDF : 2479083.9/18

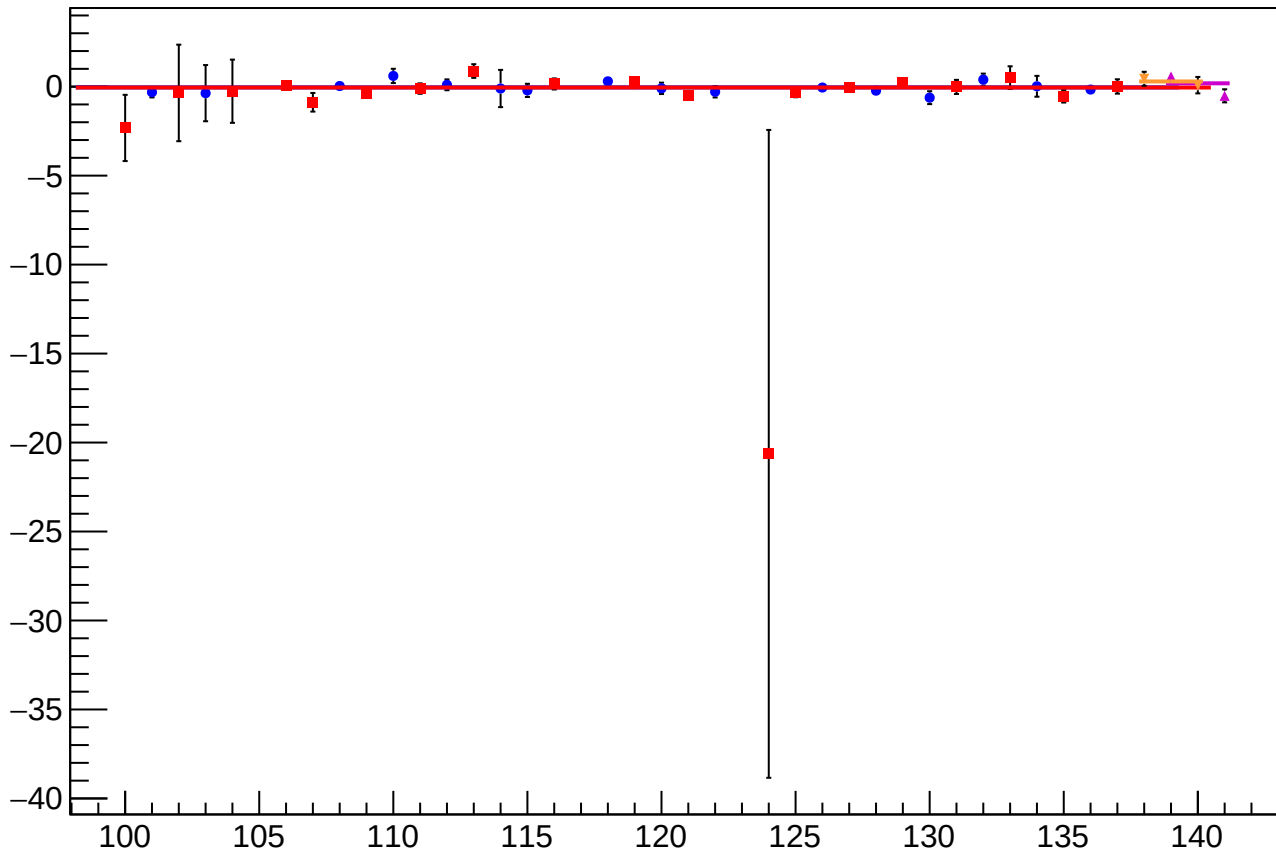
Left In: 276.967+/-0.155 χ^2/NDF : 97914.6/1

+ sign 204.297+/-0.053 χ^2/NDF : 2078805.3/17

All: 200.475+/-0.037 χ^2/NDF : 4969119.9/38

- sign 196.766+/-0.052 χ^2/NDF : 2880148.4/20

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

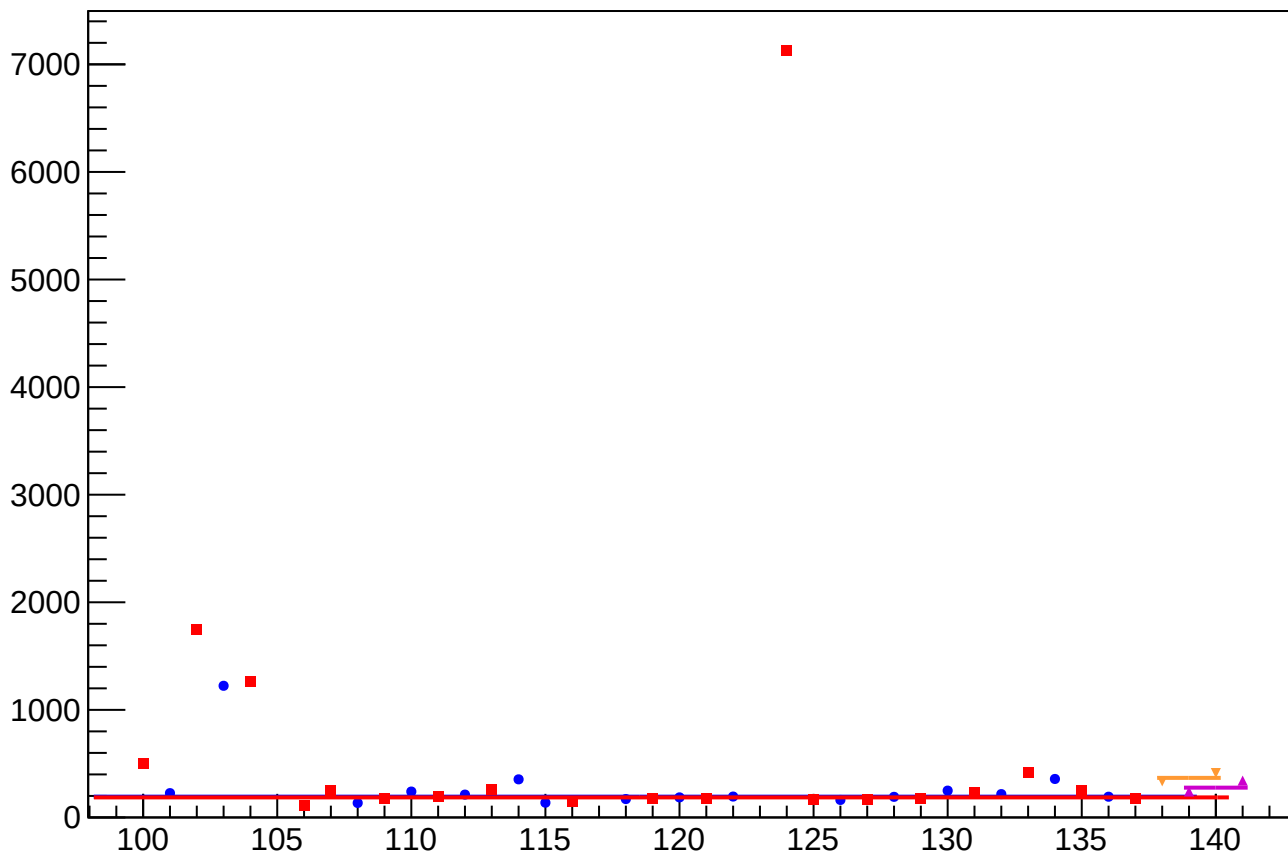
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.021 ± 0.053 χ^2/NDF : 42.9/38

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248 $\pm$ 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

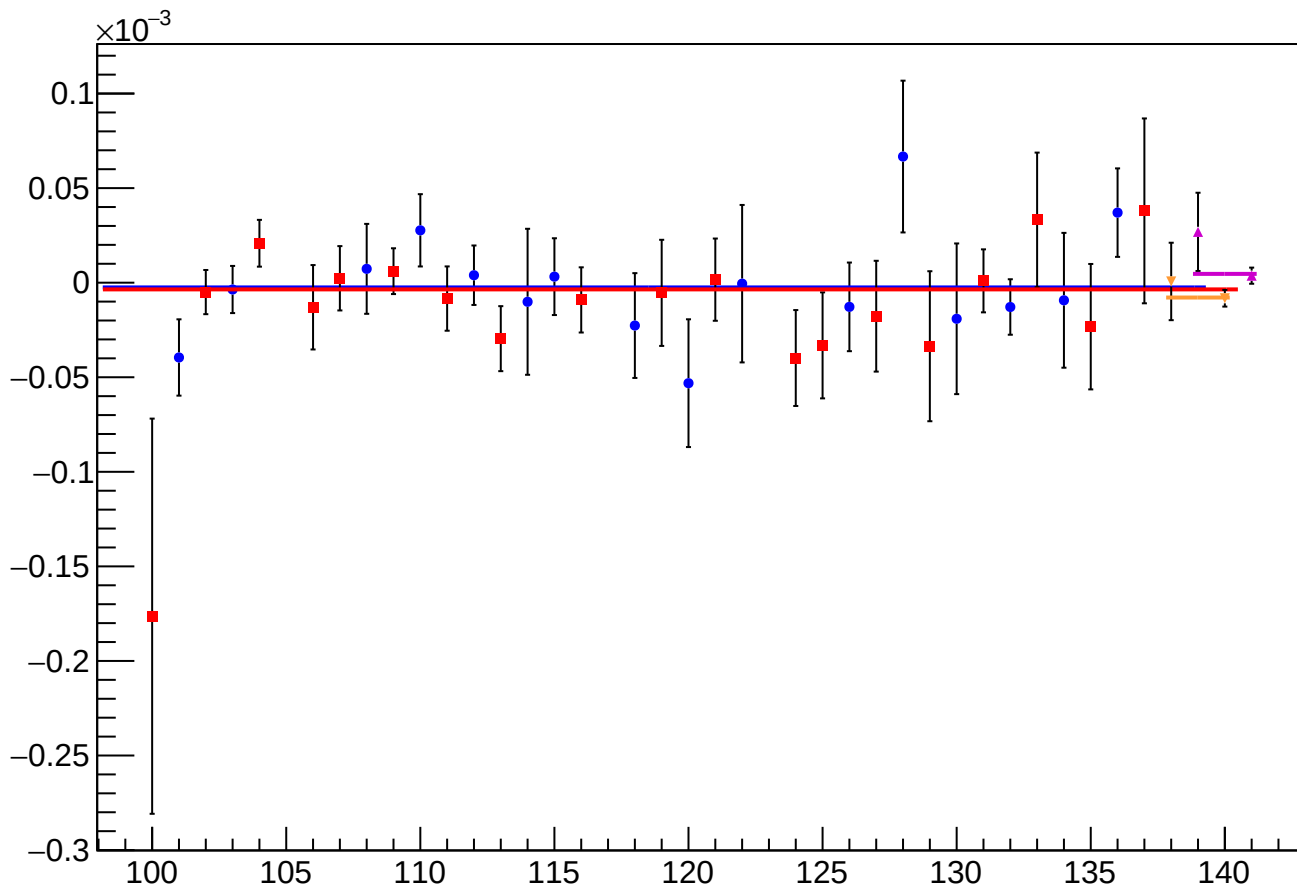
Left In: 276.967 $\pm$ 0.155 χ^2 /NDF:97914.6/1

+ sign 204.297 $\pm$ 0.053 χ^2 /NDF: 2078805.3/17

All: 200.475 $\pm$ 0.037 χ^2 /NDF: 4969119.9/38

- sign 196.766 $\pm$ 0.052 χ^2 /NDF: 2880148.4/20

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

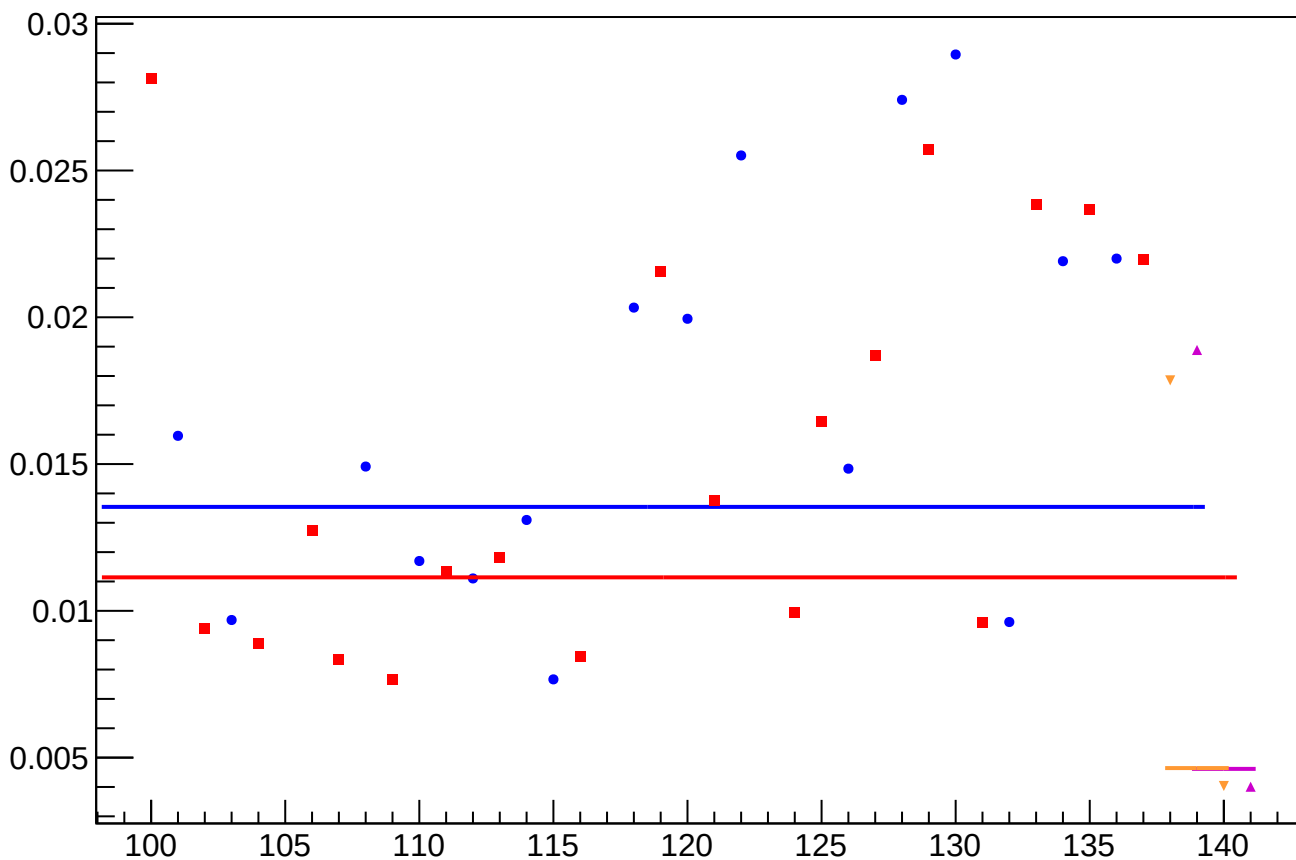
Left In: 0.000+/-0.000 χ^2 /NDF: 1.2/1

+ sign -0.000+/-0.000 χ^2 /NDF: 16.6/17

All: -0.000+/-0.000 χ^2 /NDF: 38.0/38

- sign 0.000+/-0.000 χ^2 /NDF: 19.3/20

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 $\pm$ 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

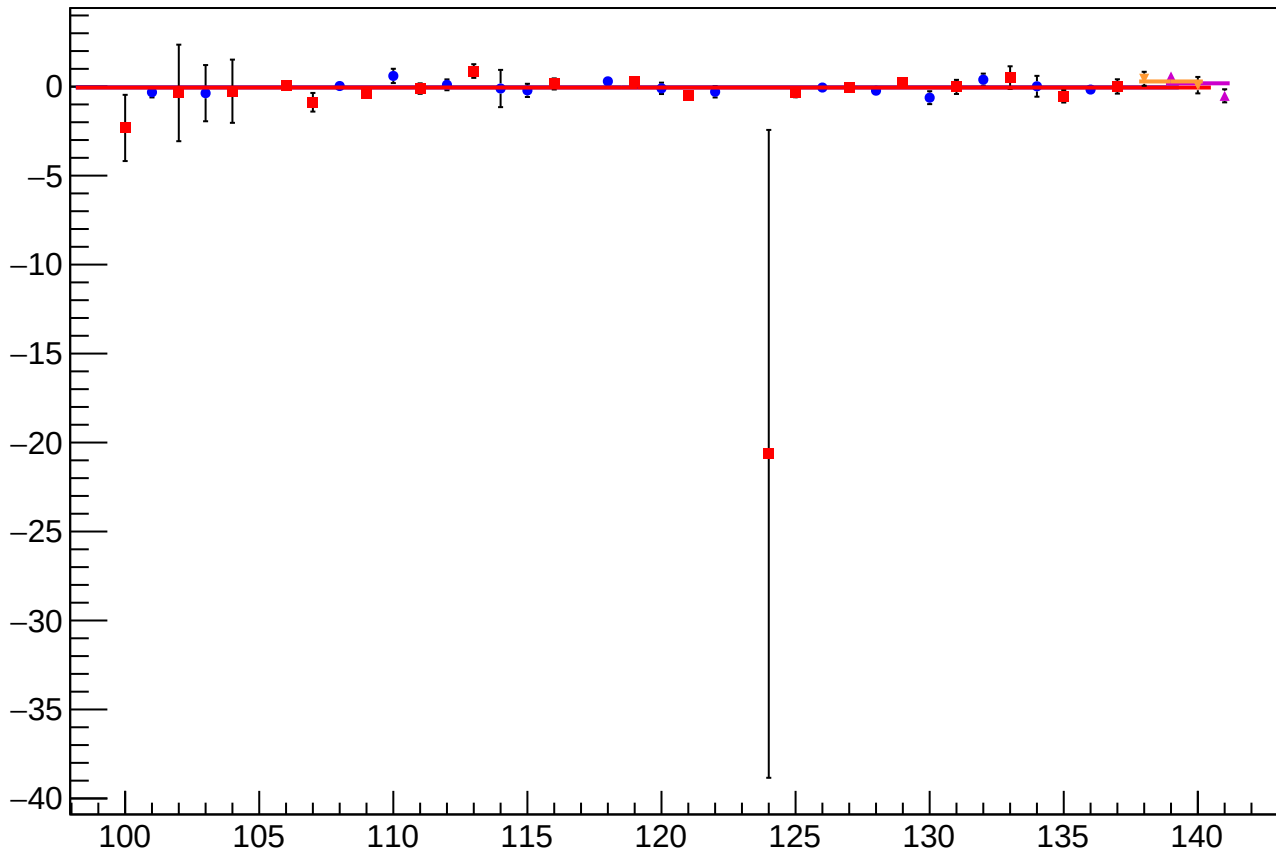
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 992797.1/1

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6031671.6/17

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 11204596.2/38

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5158082.0/20

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

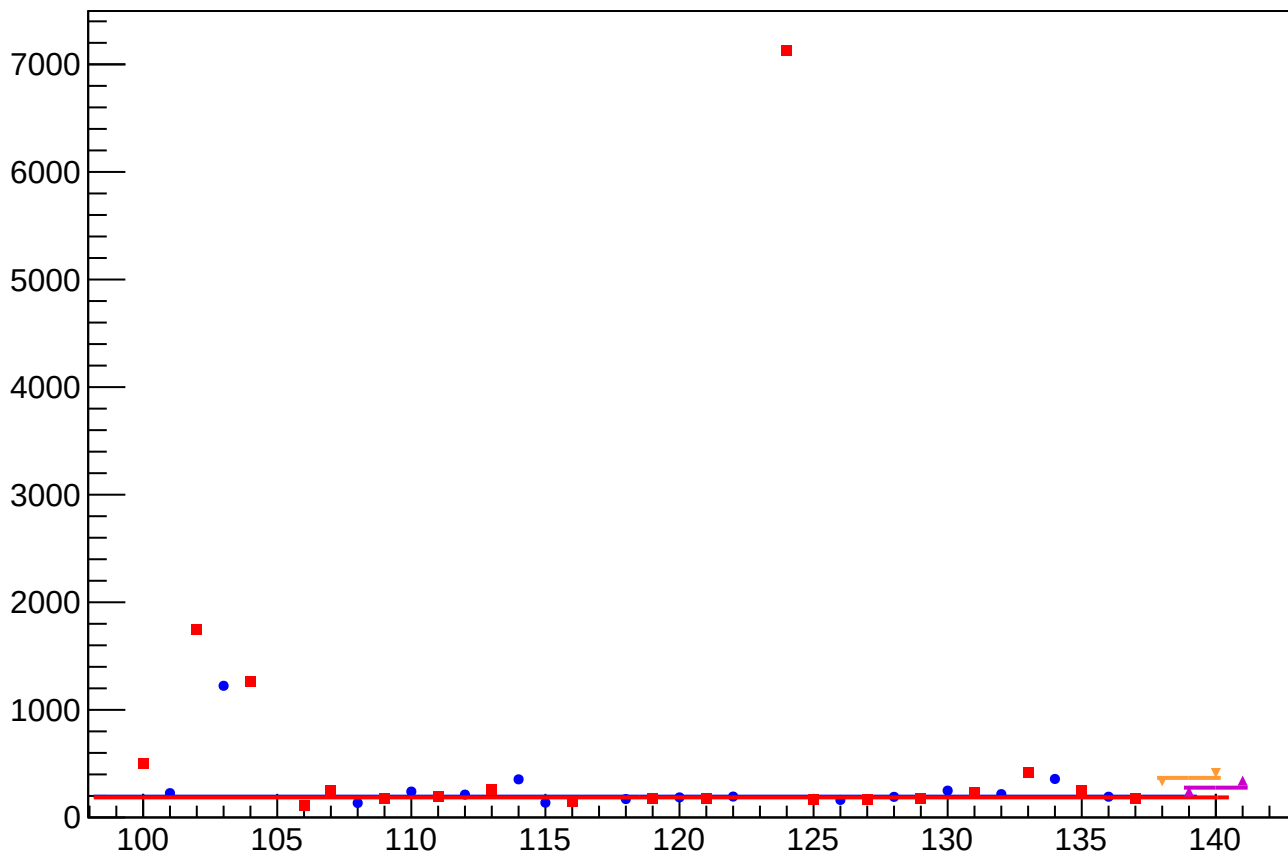
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.021 ± 0.053 χ^2/NDF : 42.9/38

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF : 1408390.6/15

Left Out: 367.854+/-0.212 χ^2/NDF : 32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF : 2479113.1/18

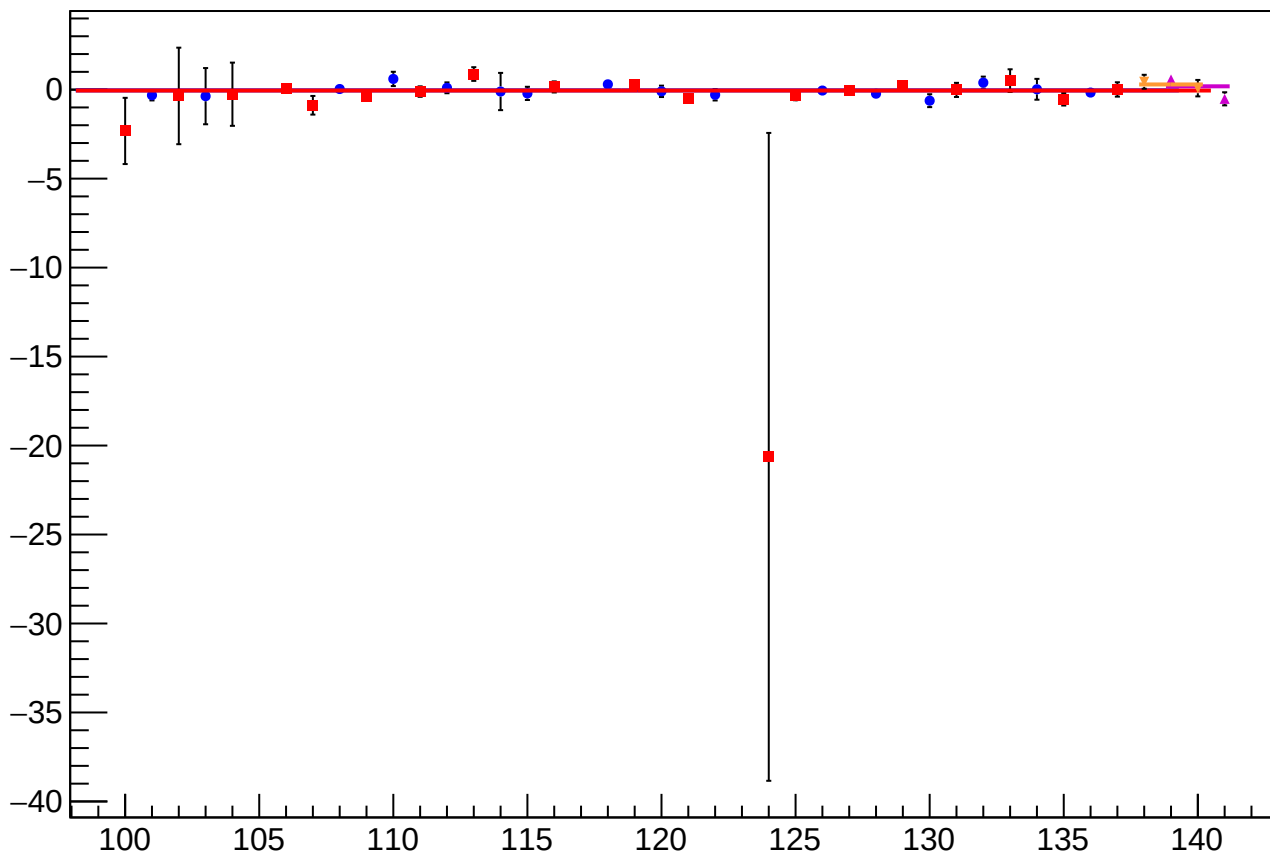
Left In: 276.971+/-0.155 χ^2/NDF : 97901.9/1

+ sign 204.296+/-0.053 χ^2/NDF : 2078819.3/17

All: 200.474+/-0.037 χ^2/NDF : 4969186.8/38

- sign 196.764+/-0.052 χ^2/NDF : 2880200.0/20

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

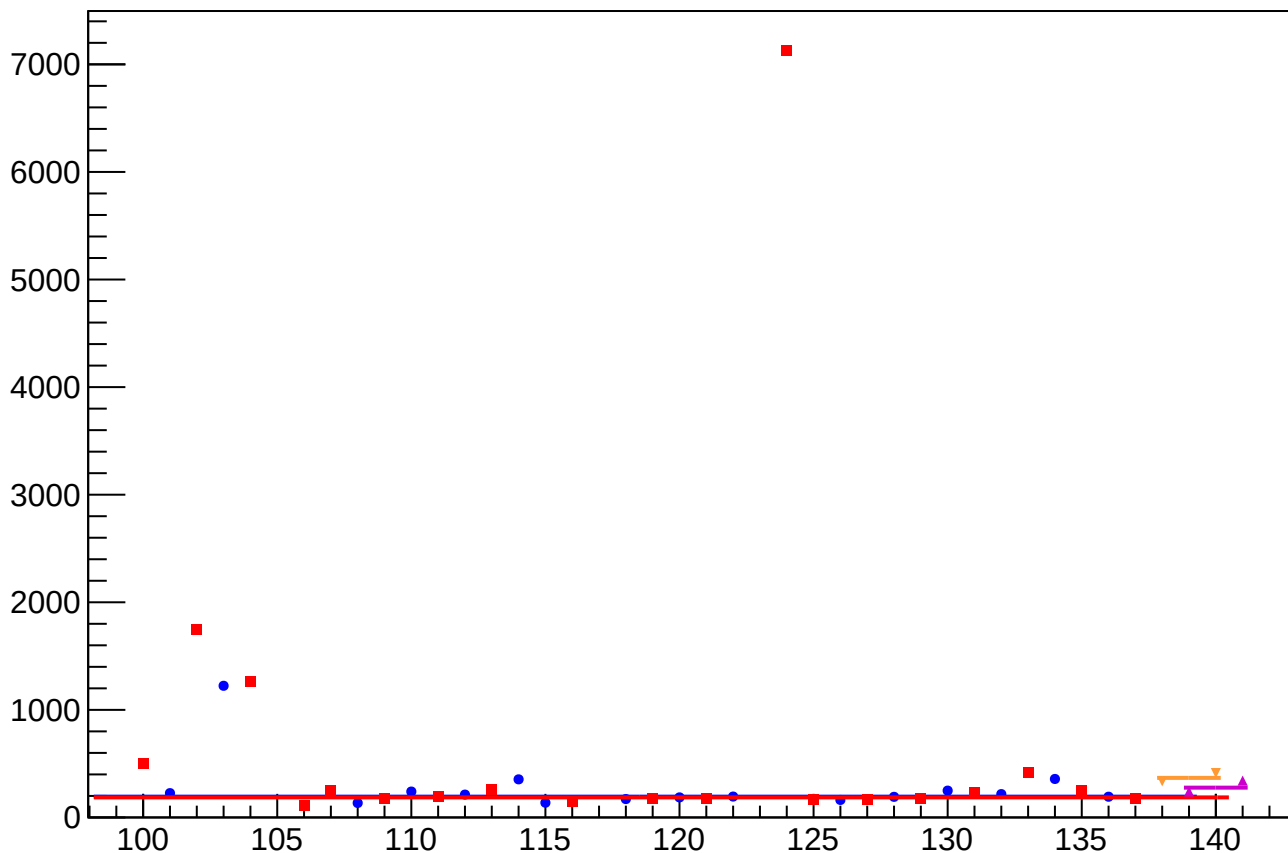
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.020 ± 0.075 χ^2/NDF : 13.2/17

All: -0.021 ± 0.053 χ^2/NDF : 42.9/38

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

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

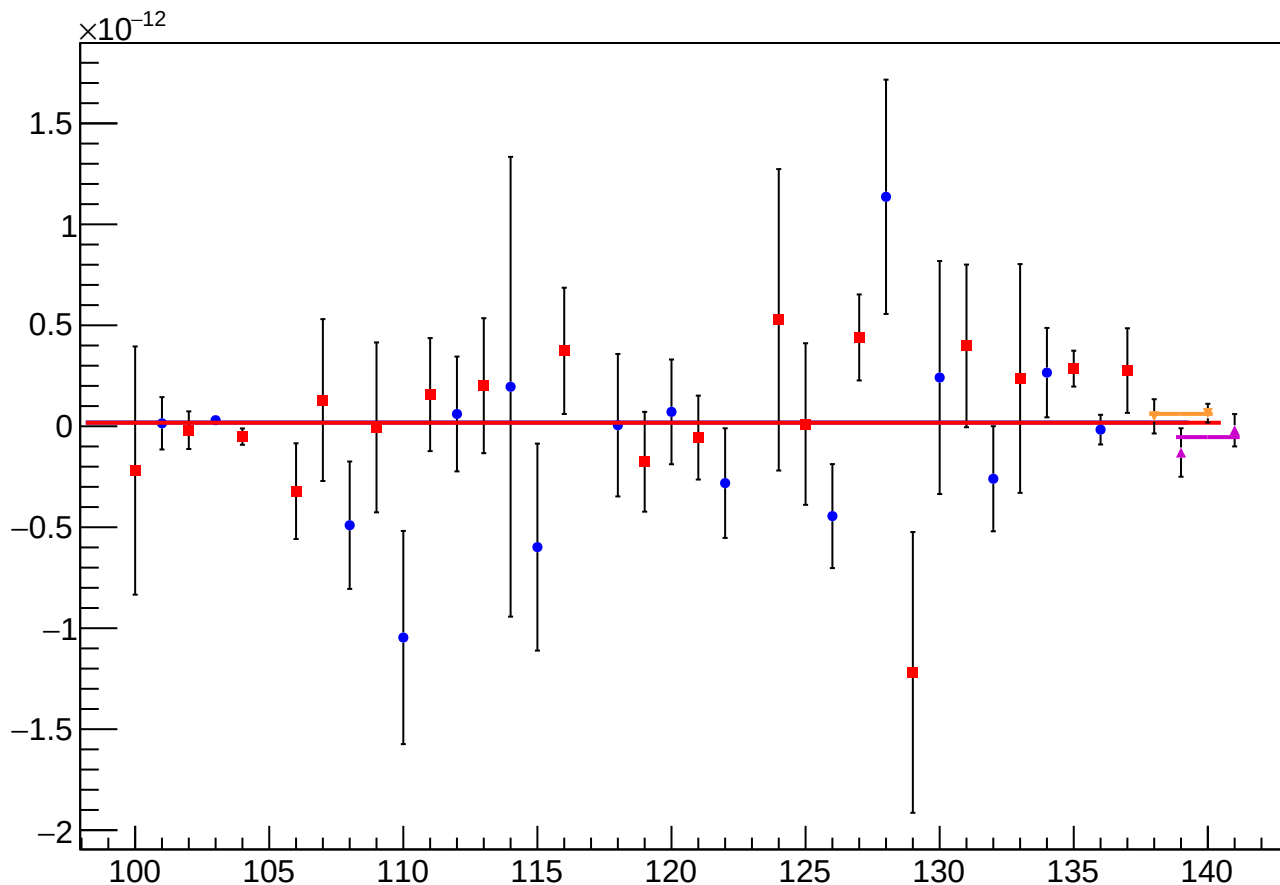
Left In: 276.971+/-0.155 χ^2/NDF : 97901.9/1

+ sign 204.296+/-0.053 χ^2/NDF : 2078819.3/17

All: 200.474+/-0.037 χ^2/NDF : 4969186.8/38

- sign 196.764+/-0.052 χ^2/NDF : 2880200.0/20

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

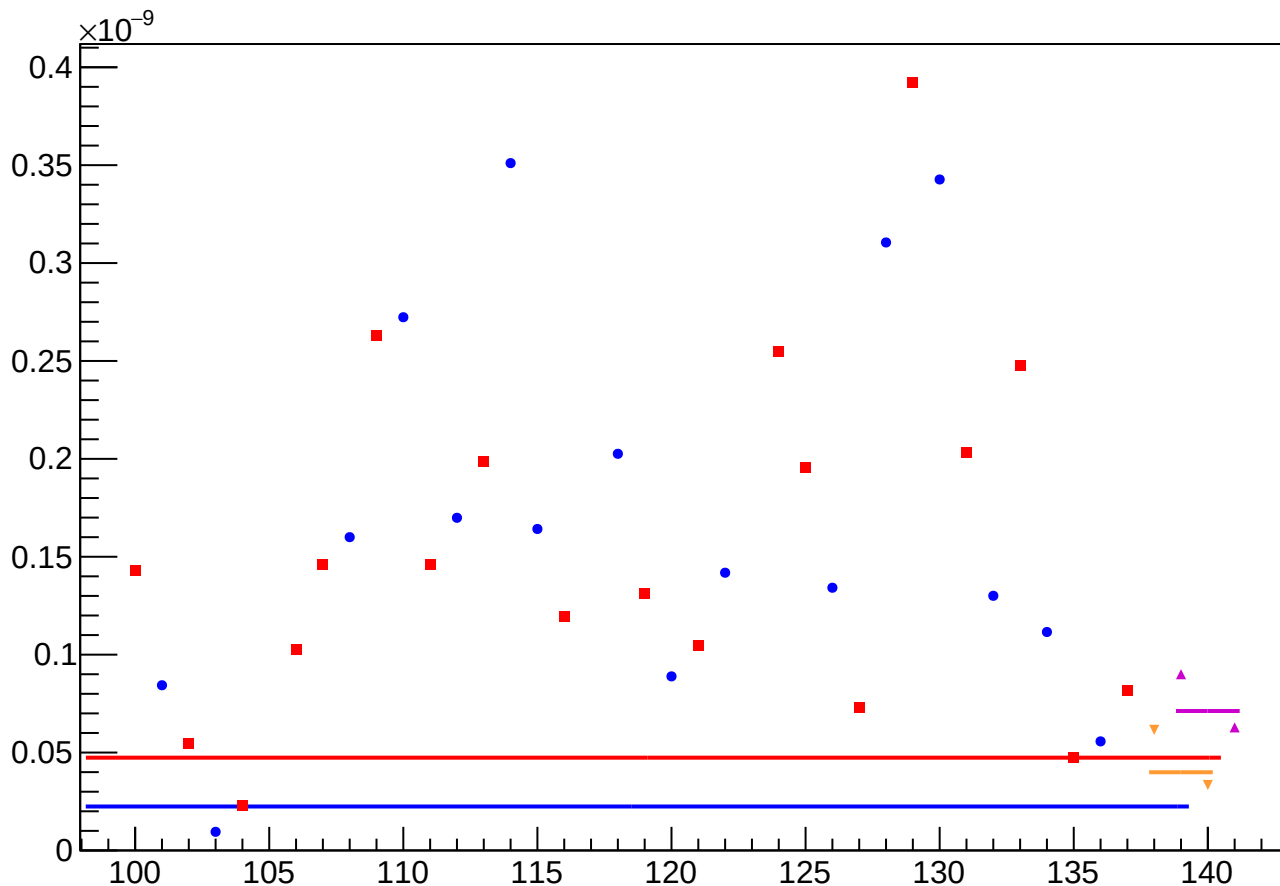
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.7/20

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

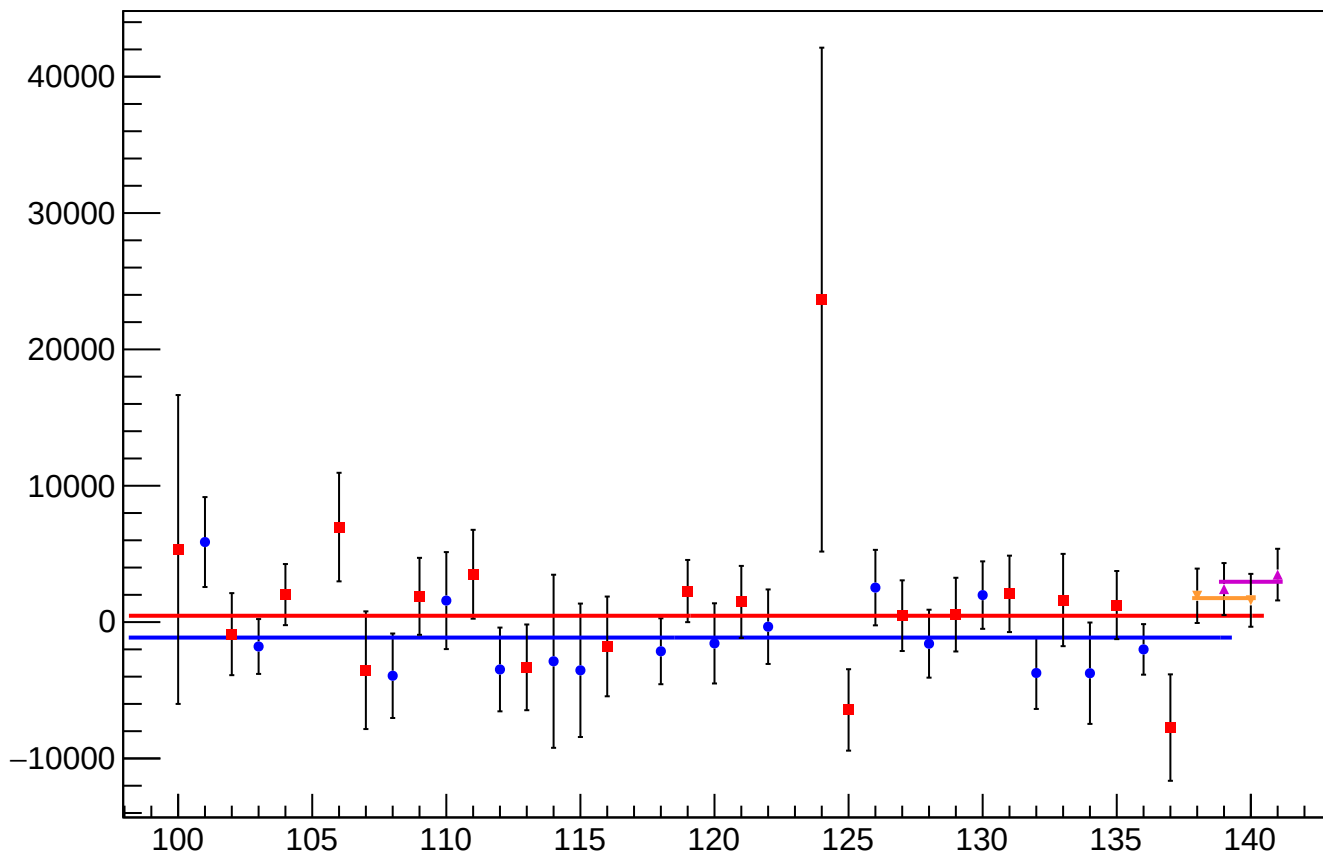
Left In: 0.000+/-0.000 χ^2/NDF : 70835.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 6873802.4/17

All: 0.000+/-0.000 χ^2/NDF : 12549256.5/38

- sign 0.000+/-0.000 χ^2/NDF : 4516953.1/20

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

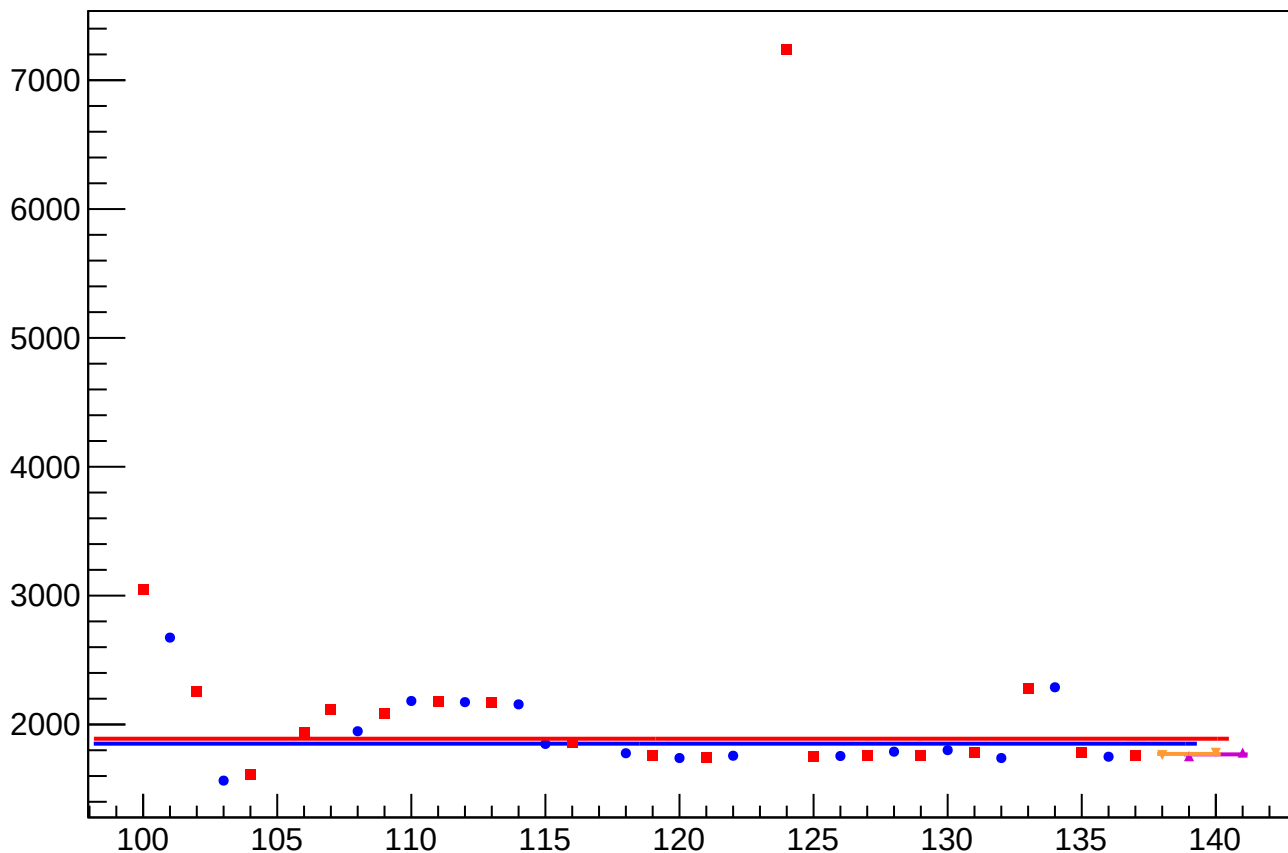
Left In: 2957.030 $\pm$ 1343.467 χ^2 /NDF: 0.2/1

+ sign -557.690 $\pm$ 620.781 χ^2 /NDF: 15.7/17

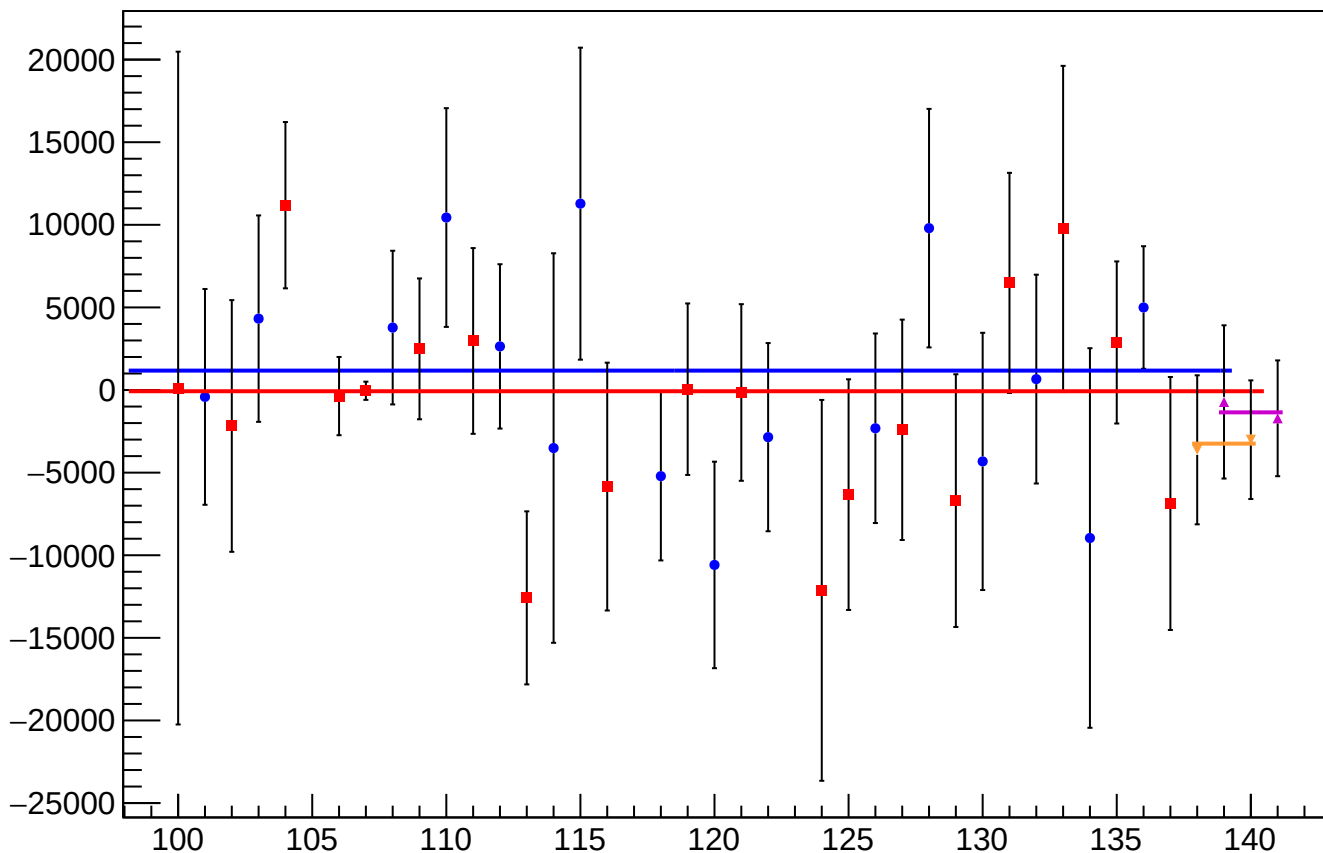
All: 218.270 $\pm$ 440.411 χ^2 /NDF: 41.7/38

- sign 1004.586 $\pm$ 624.909 χ^2 /NDF: 22.9/20

reg_asym_atl1r2_dd_rms vs Slug



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

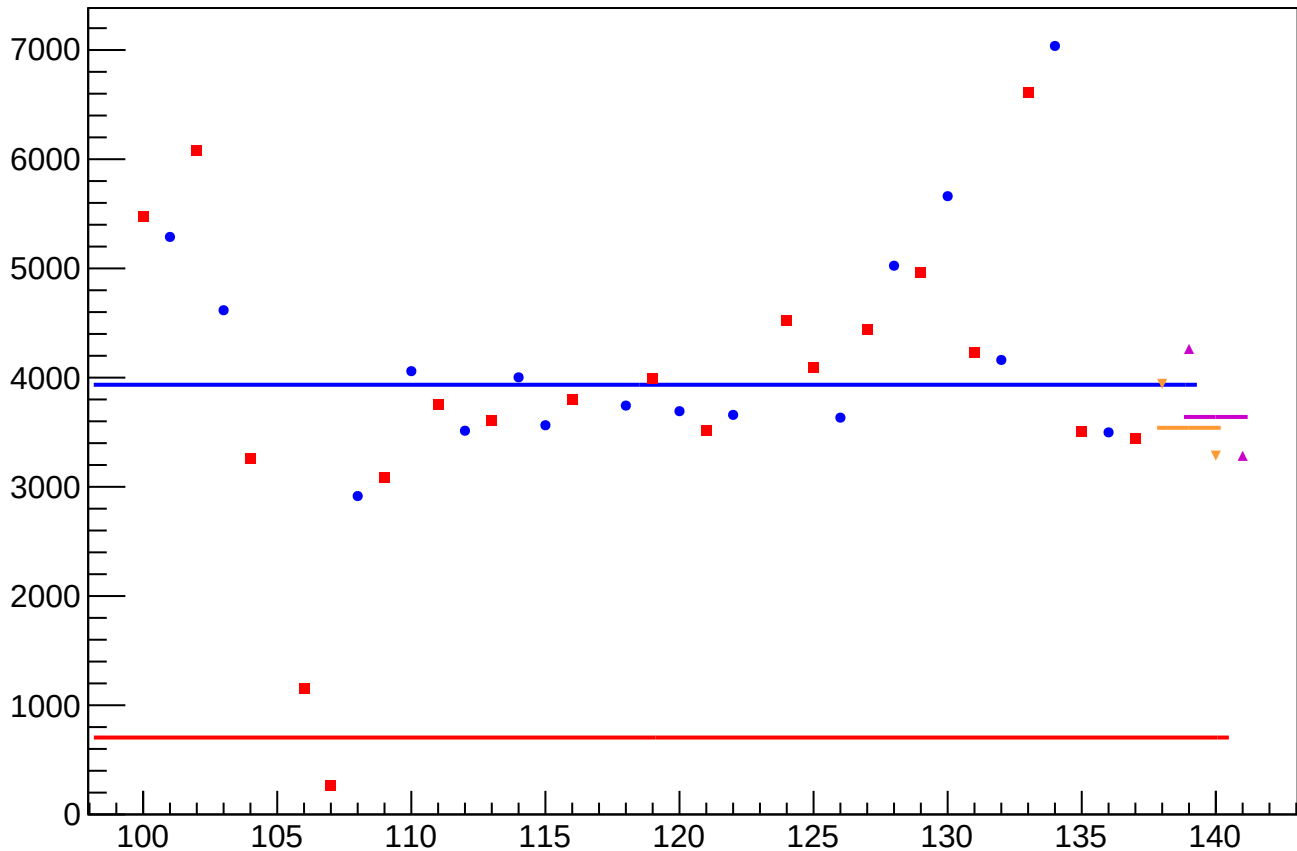
Left In: -1351.260 $\pm$ 2796.007 χ^2 /NDF:0.0/1

+ sign 192.790 $\pm$ 1324.656 χ^2 /NDF: 15.7/17

All: -75.342 $\pm$ 465.835 χ^2 /NDF: 33.9/38

- sign -113.180 $\pm$ 497.620 χ^2 /NDF: 18.2/20

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

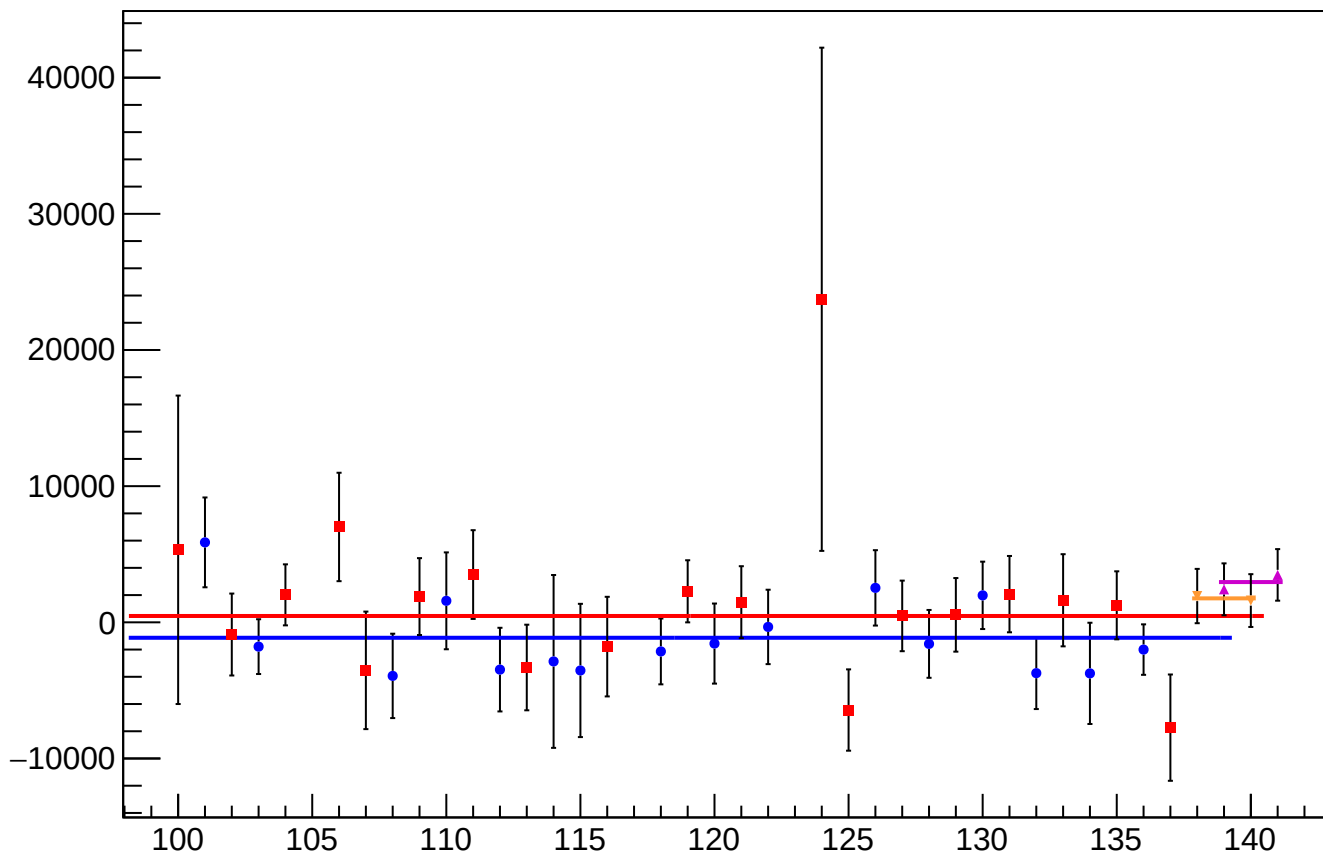
Left In: 3639.801 $\pm$ 1.977 χ^2 /NDF: 56738.4/1

+ sign 3847.097 $\pm$ 0.937 χ^2 /NDF: 616734.1/17

All: 1174.519 $\pm$ 0.329 χ^2 /NDF: 22716697.6/3

- sign 797.365 $\pm$ 0.352 χ^2 /NDF: 12809968.9/20

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203 ± 693.782 χ^2/NDF : 12.2/15

Left Out: 1759.128 ± 1390.294 χ^2/NDF : 0.0/1

Right Out: 465.899 ± 705.928 χ^2/NDF : 20.0/18

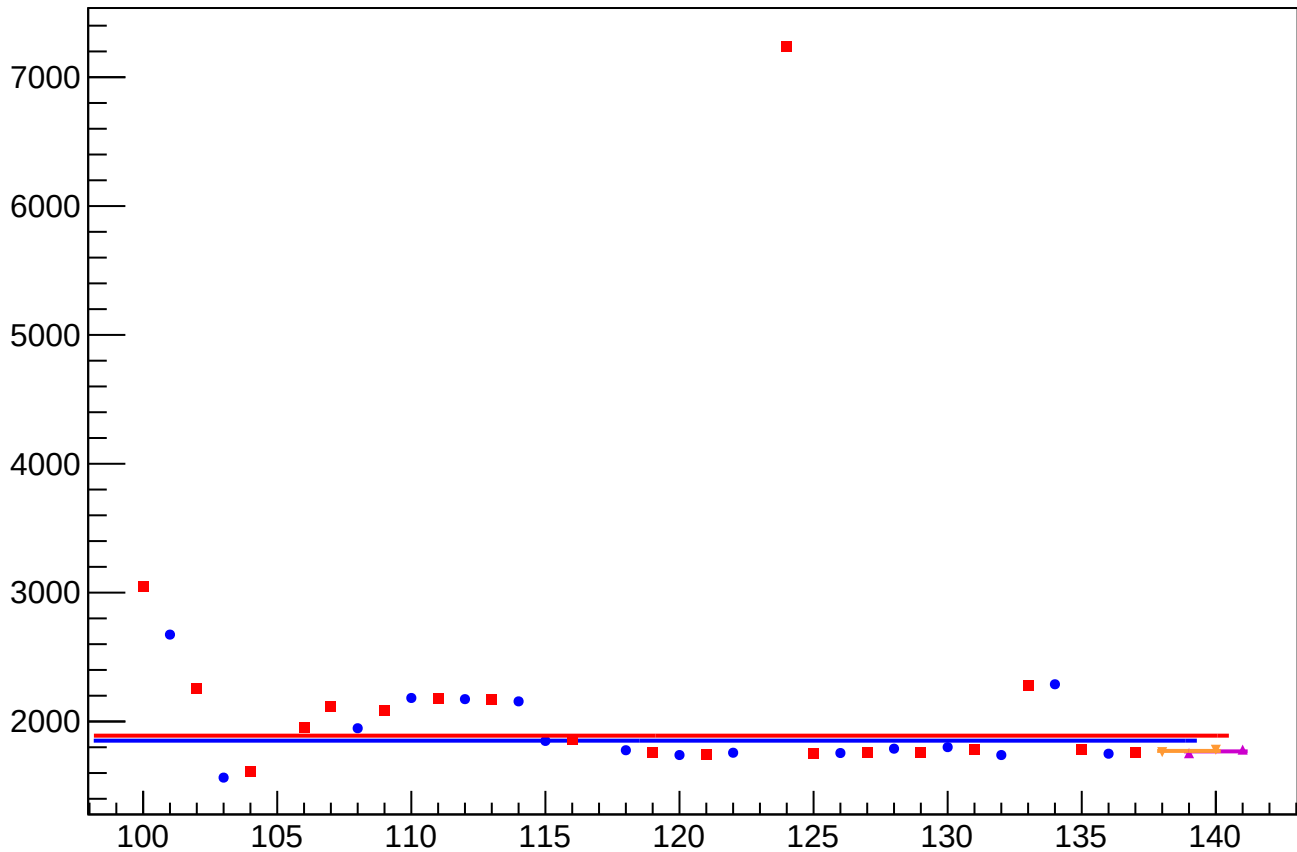
Left In: 2956.911 ± 1343.467 χ^2/NDF : 0.2/1

+ sign -557.355 ± 620.781 χ^2/NDF : 15.7/17

All: 218.574 ± 440.411 χ^2/NDF : 41.8/38

- sign 1004.860 ± 624.911 χ^2/NDF : 22.9/20

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF : 85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

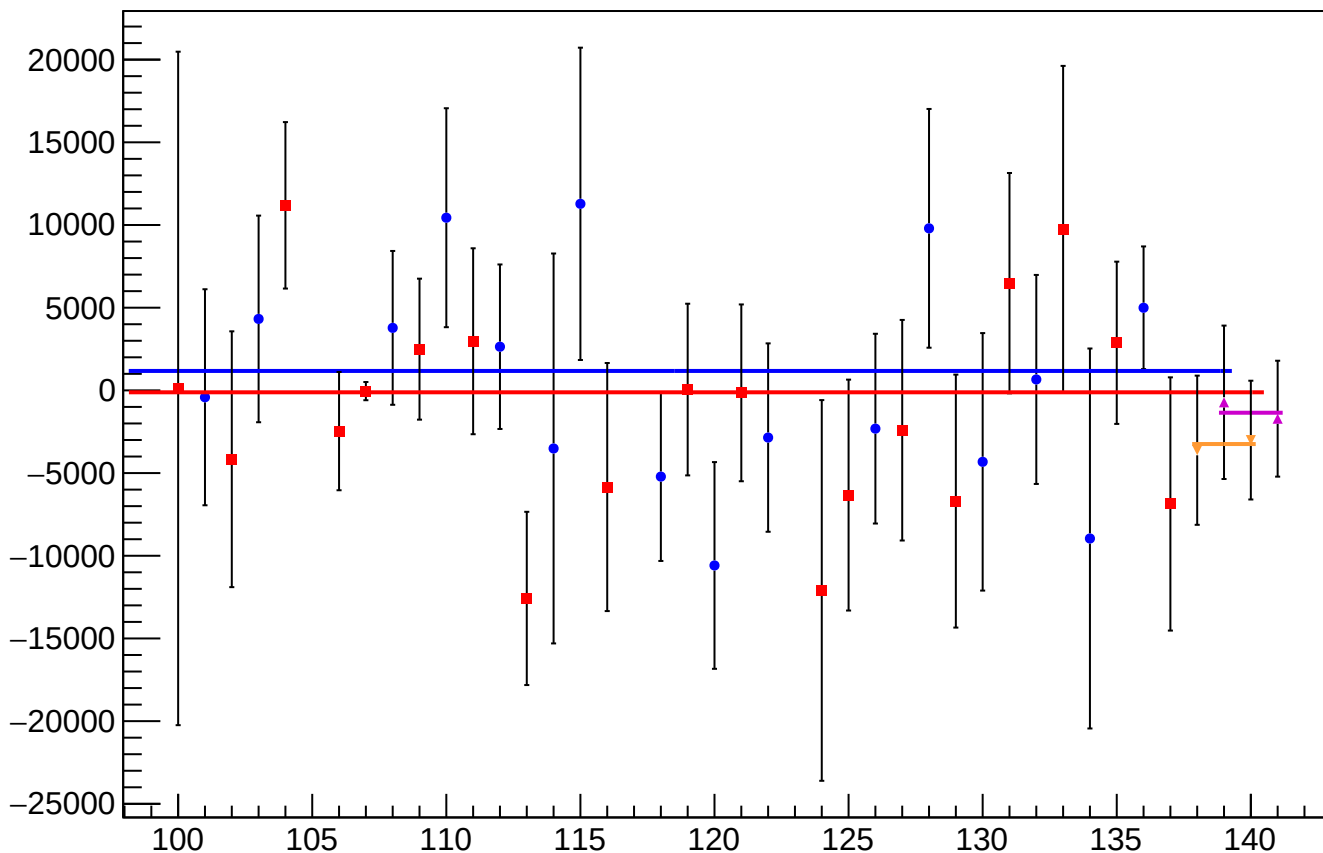
Left In: 1767.901+/-0.950 χ^2/NDF : 213.6/1

+ sign 1835.262+/-0.439 χ^2/NDF : 265314.3/17

All: 1849.389+/-0.311 χ^2/NDF : 639686.1/38

- sign 1863.658+/-0.441 χ^2/NDF : 372290.0/20

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

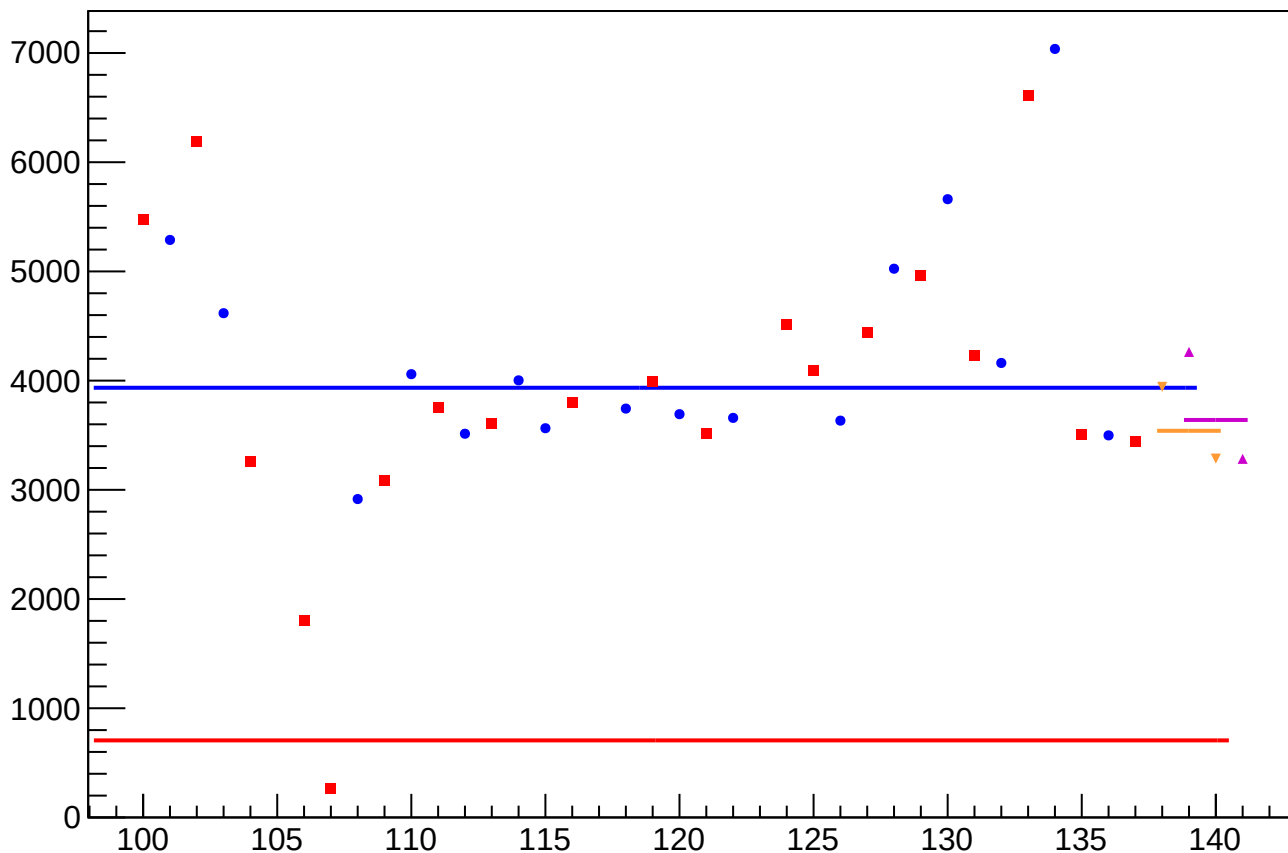
Left In: -1351.369 $\pm$ 2796.002 χ^2 /NDF: 0.0/1

+ sign 192.810 $\pm$ 1324.659 χ^2 /NDF: 15.7/17

All: -111.945 $\pm$ 470.976 χ^2 /NDF: 34.5/38

- sign -156.044 $\pm$ 503.901 χ^2 /NDF: 18.8/20

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

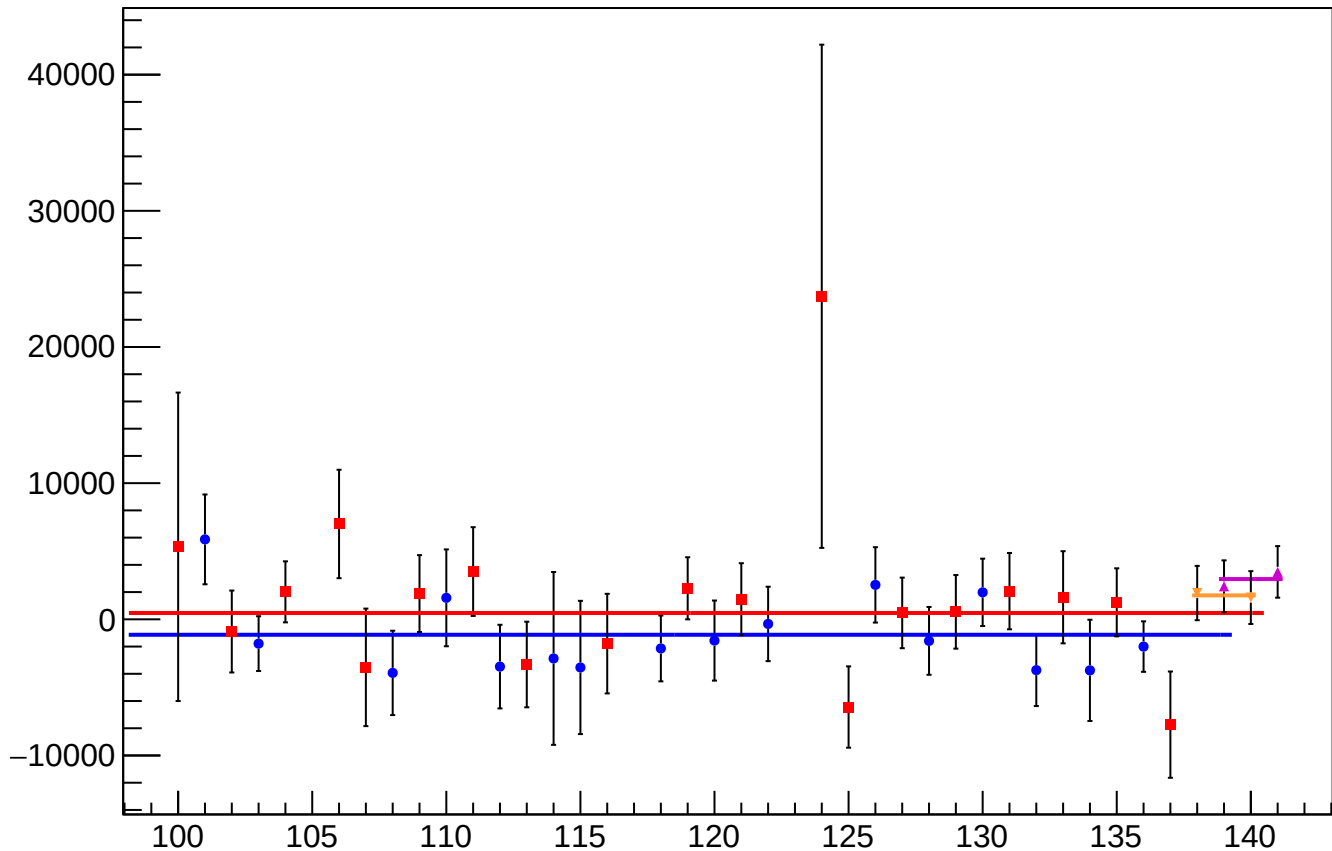
Left In: 3639.795 $\pm$ 1.977 χ^2 /NDF: 56738.3/1

+ sign 3847.099 $\pm$ 0.937 χ^2 /NDF: 616762.1/17

All: 1185.995 $\pm$ 0.333 χ^2 /NDF: 22791017.5/3

- sign 800.922 $\pm$ 0.356 χ^2 /NDF: 12934964.1/20

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

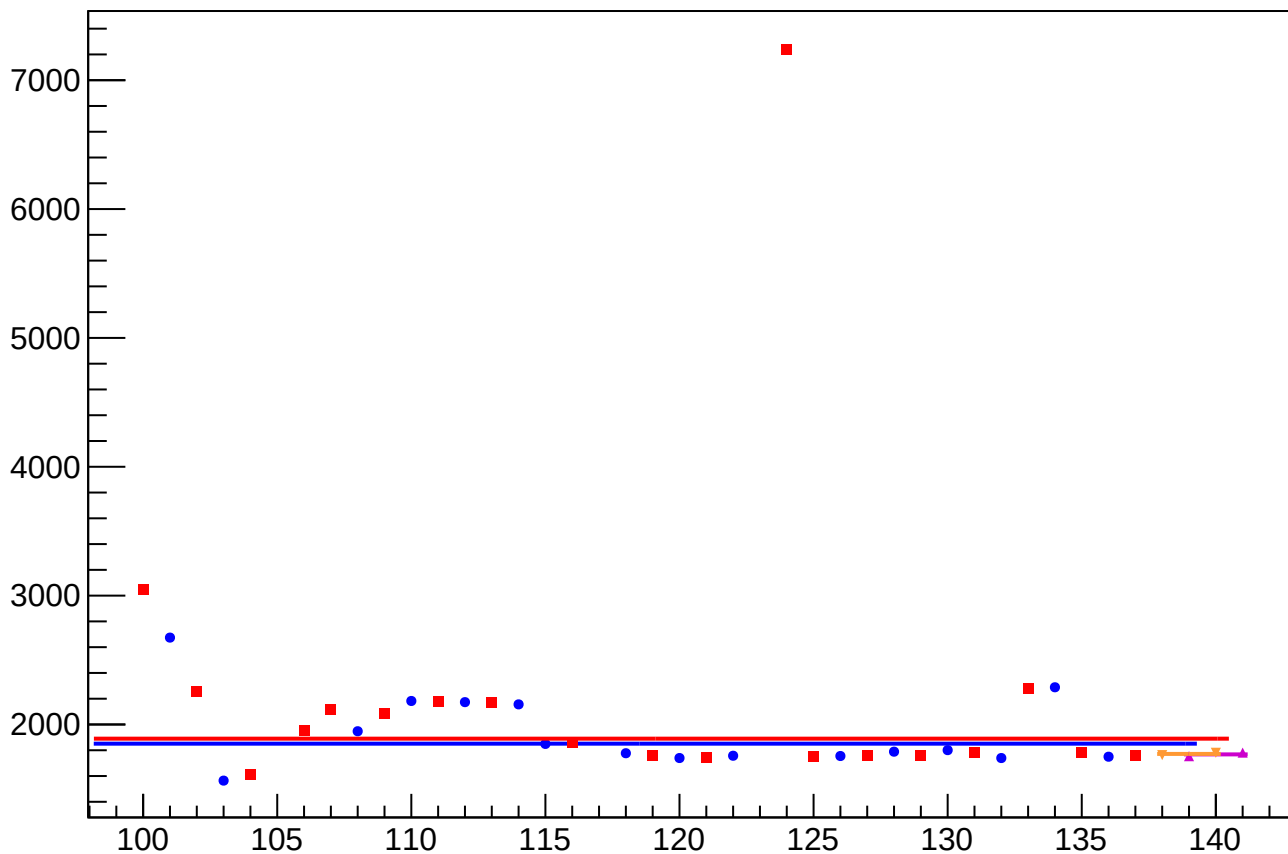
Left In: 2956.911 $\pm$ 1343.467 χ^2 /NDF: 0.2/1

+ sign -557.355 $\pm$ 620.781 χ^2 /NDF: 15.7/17

All: 218.574 $\pm$ 440.411 χ^2 /NDF: 41.8/38

- sign 1004.860 $\pm$ 624.911 χ^2 /NDF: 22.9/20

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF : 85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

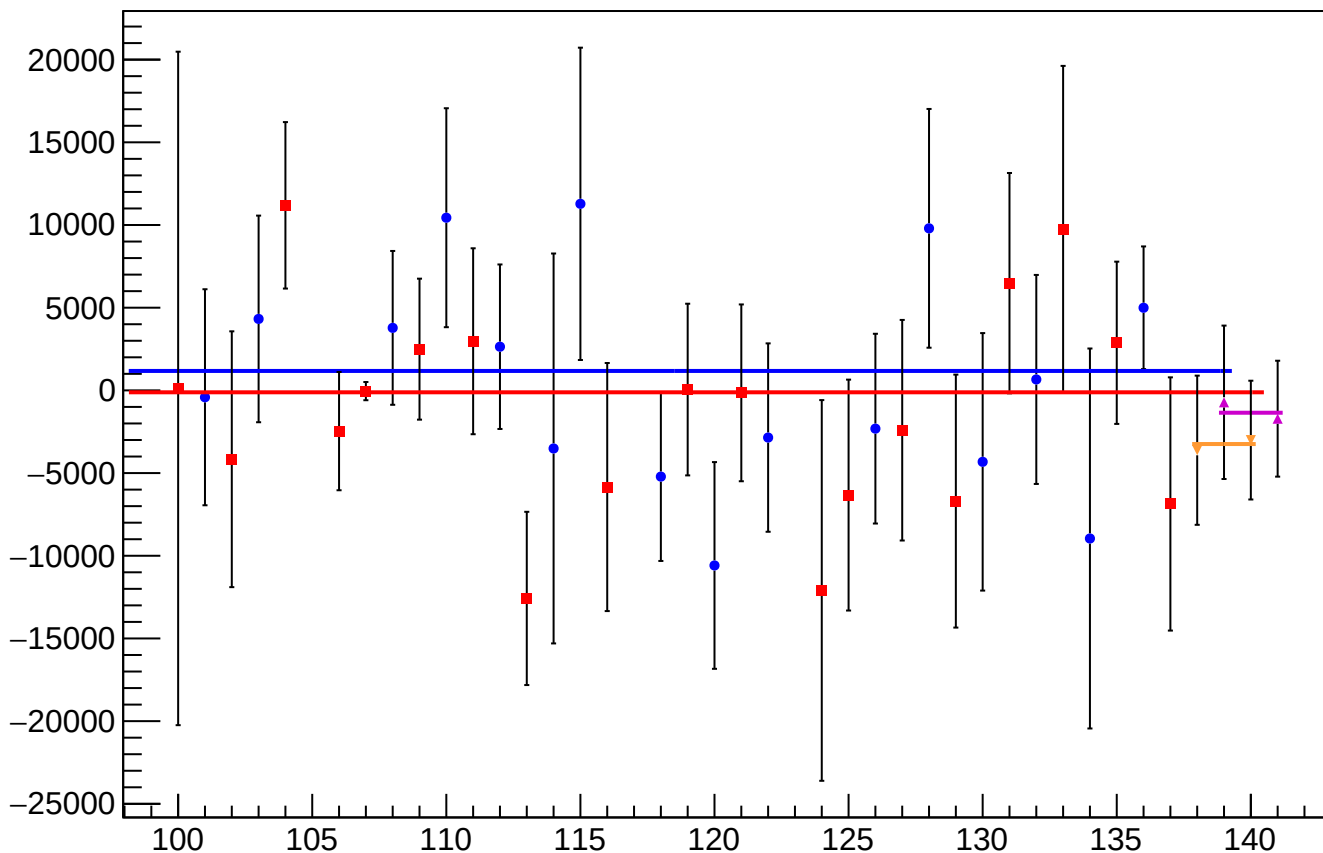
Left In: 1767.901+/-0.950 χ^2/NDF : 213.6/1

+ sign 1835.262+/-0.439 χ^2/NDF : 265314.3/17

All: 1849.389+/-0.311 χ^2/NDF : 639686.1/38

- sign 1863.658+/-0.441 χ^2/NDF : 372290.0/20

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

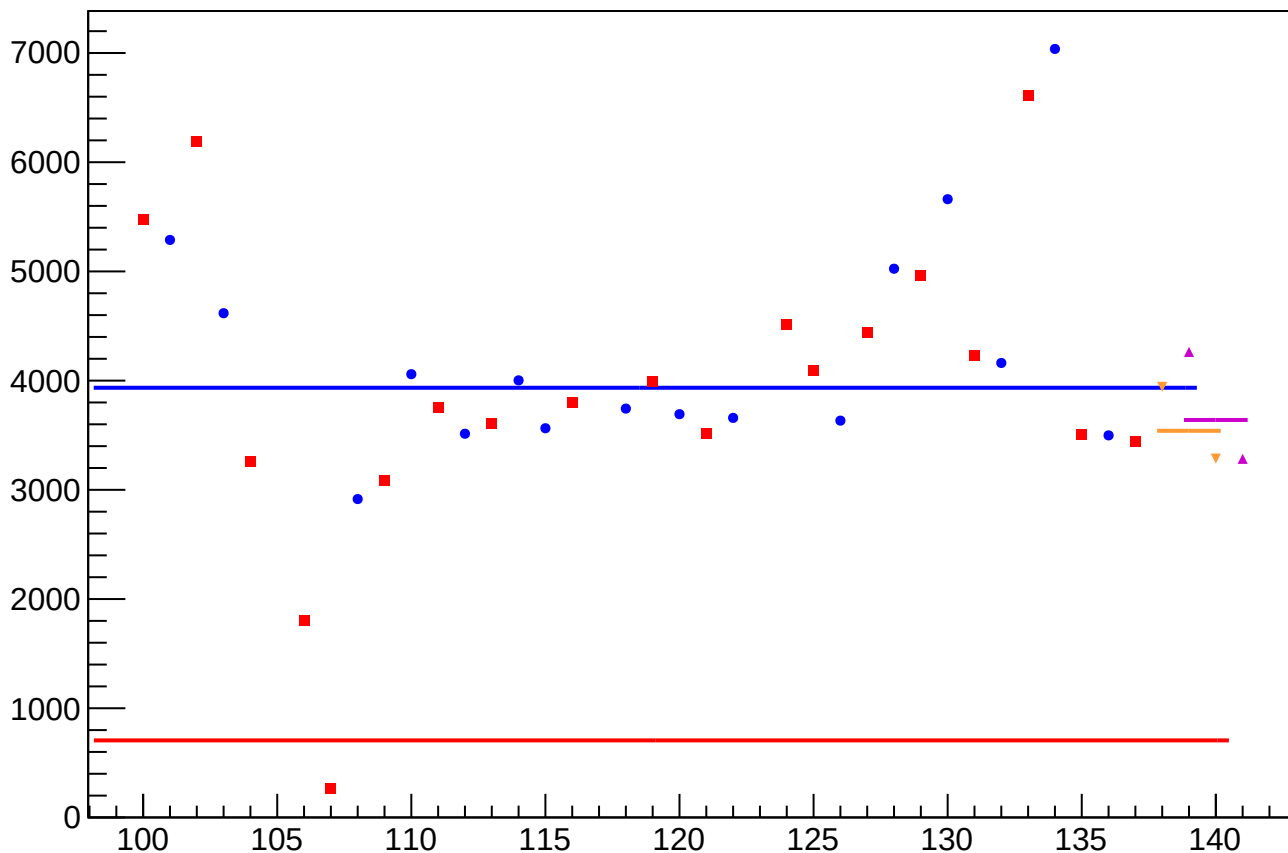
Left In: -1351.369 $\pm$ 2796.002 χ^2 /NDF: 0.0/1

+ sign 192.810 $\pm$ 1324.659 χ^2 /NDF: 15.7/17

All: -111.945 $\pm$ 470.976 χ^2 /NDF: 34.5/38

- sign -156.044 $\pm$ 503.901 χ^2 /NDF: 18.8/20

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

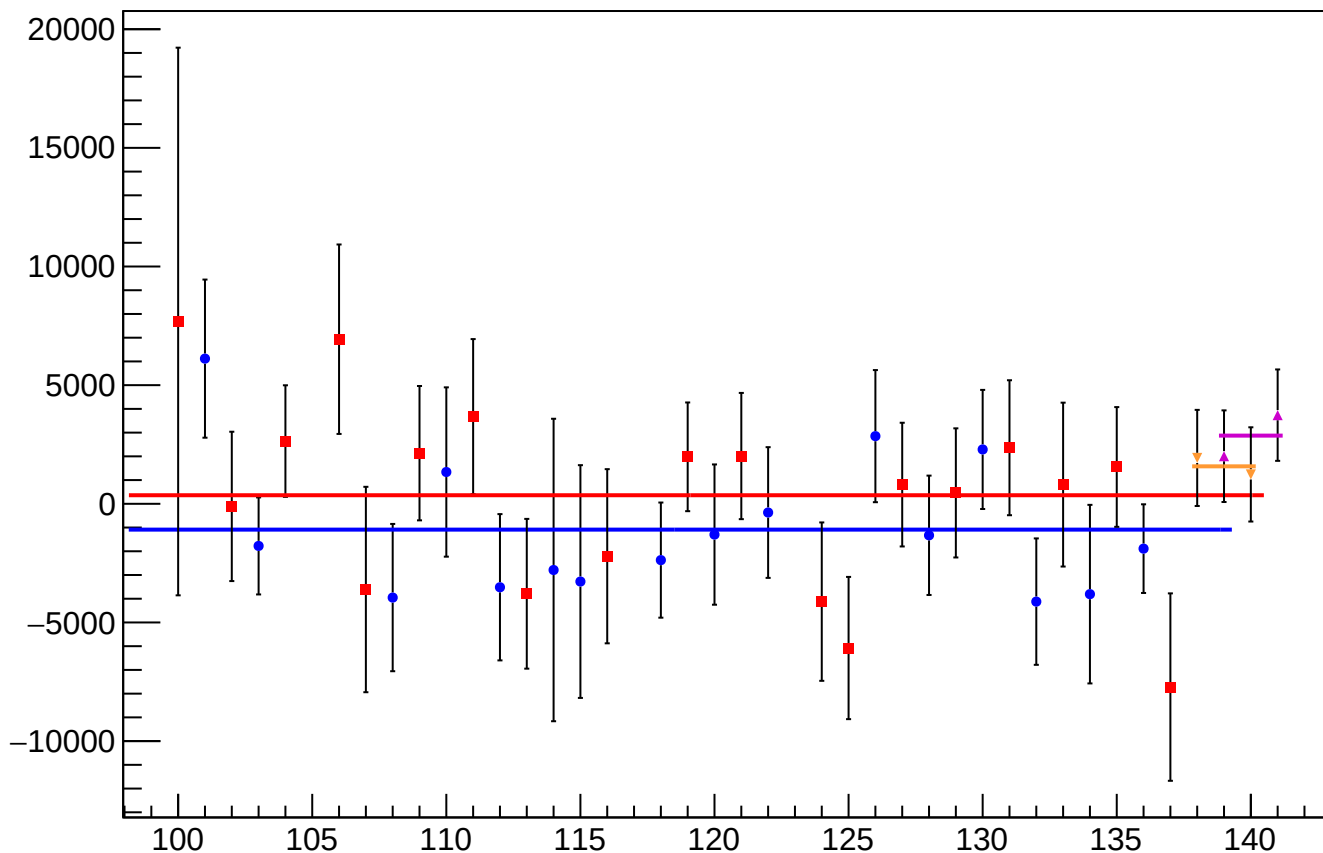
Left In: 3639.795 $\pm$ 1.977 χ^2 /NDF: 56738.3/1

+ sign 3847.099 $\pm$ 0.937 χ^2 /NDF: 616762.1/17

All: 1185.995 $\pm$ 0.333 χ^2 /NDF: 22791017.5/3

- sign 800.922 $\pm$ 0.356 χ^2 /NDF: 12934964.1/20

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731 ± 699.579 χ^2/NDF : 13.2/15

Left Out: 1579.108 ± 1417.805 χ^2/NDF : 0.1/1

Right Out: 361.218 ± 699.665 χ^2/NDF : 20.8/18

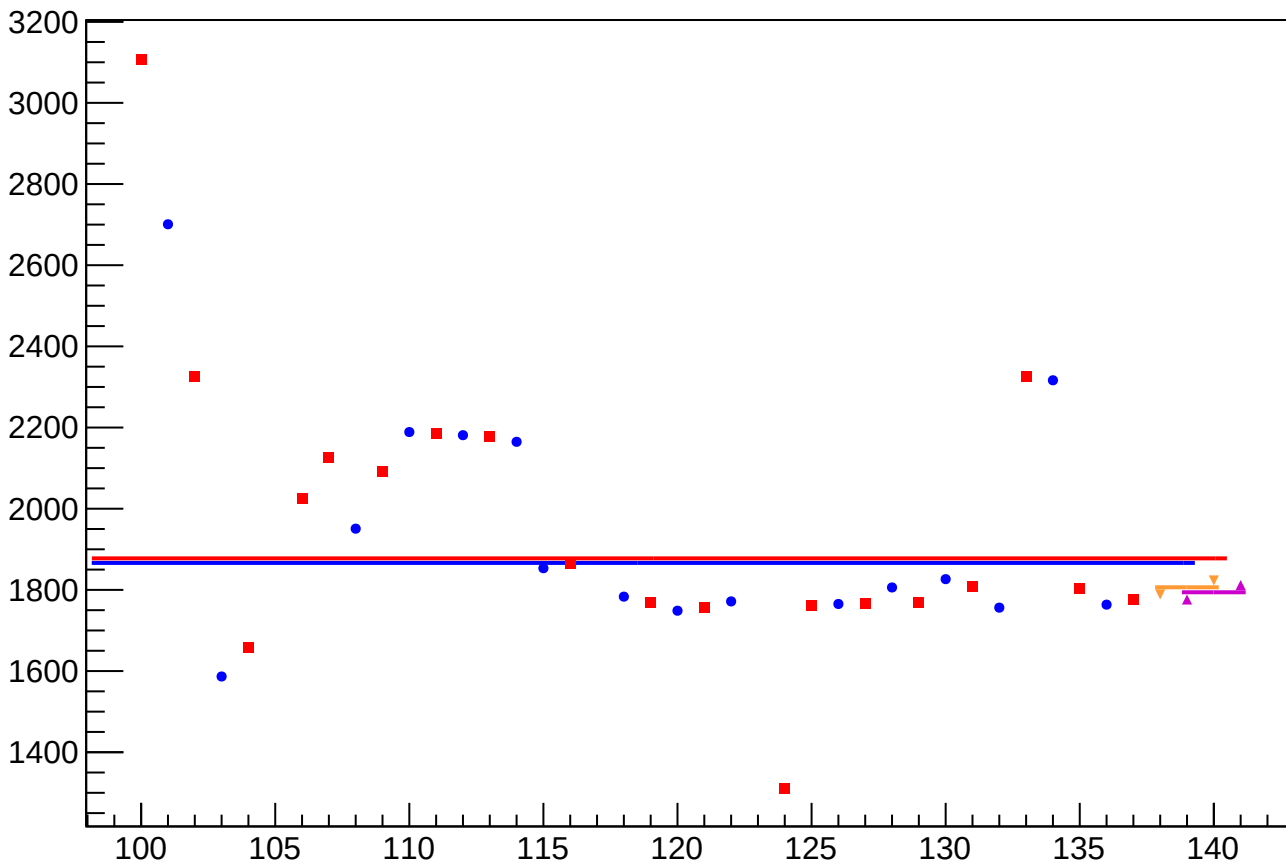
Left In: 2873.669 ± 1363.460 χ^2/NDF : 0.4/1

+ sign -565.572 ± 627.364 χ^2/NDF : 16.1/17

All: 165.326 ± 441.880 χ^2/NDF : 42.7/38

- sign 884.911 ± 622.490 χ^2/NDF : 23.9/20

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 ± 0.495 χ^2/NDF : 256262.4/15

Left Out: 1806.398 ± 1.003 χ^2/NDF : 293.2/1

Right Out: 1877.659 ± 0.494 χ^2/NDF : 251850.5/18

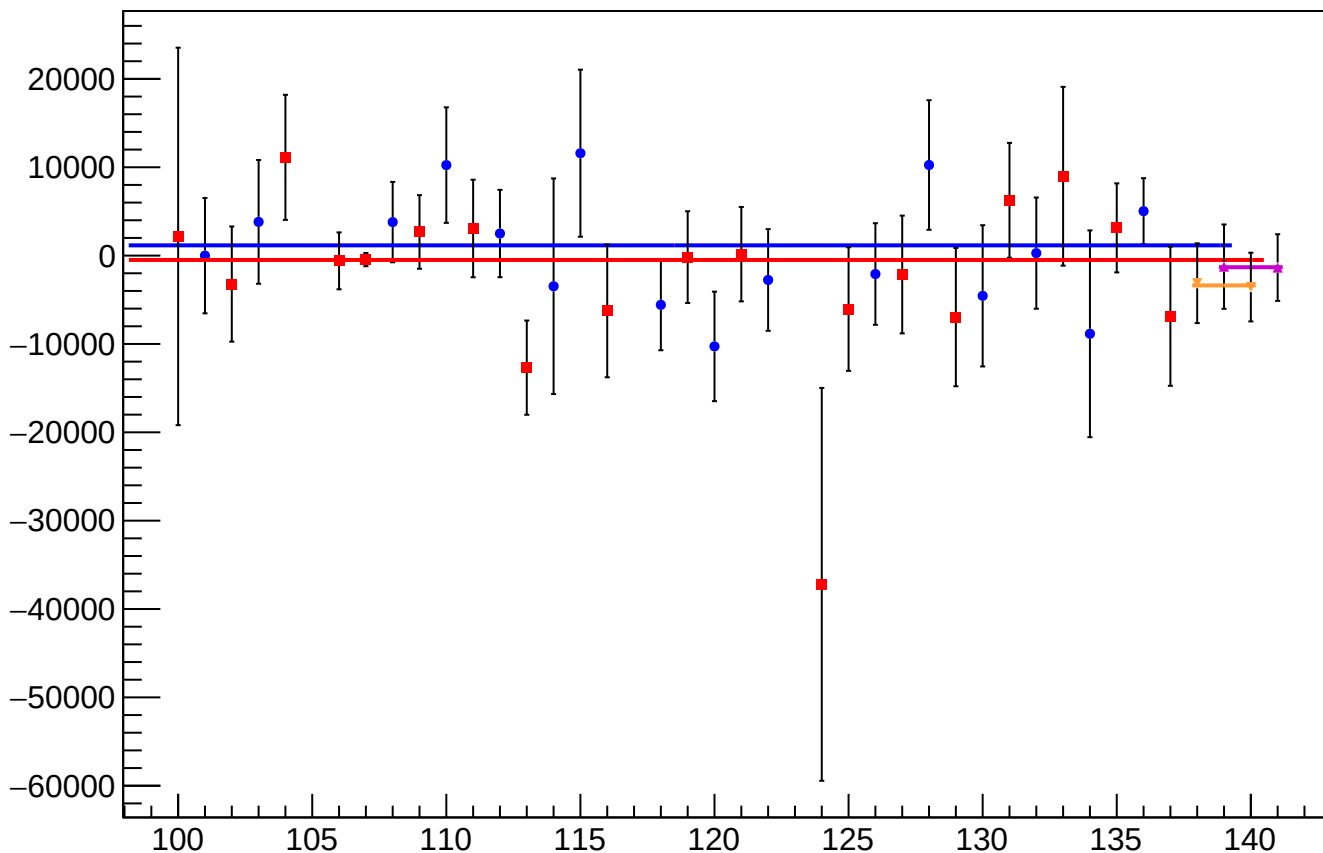
Left In: 1794.126 ± 0.964 χ^2/NDF : 339.3/1

+ sign 1854.697 ± 0.444 χ^2/NDF : 259441.6/17

All: 1857.507 ± 0.312 χ^2/NDF : 517655.2/38

- sign 1860.270 ± 0.440 χ^2/NDF : 258134.0/20

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

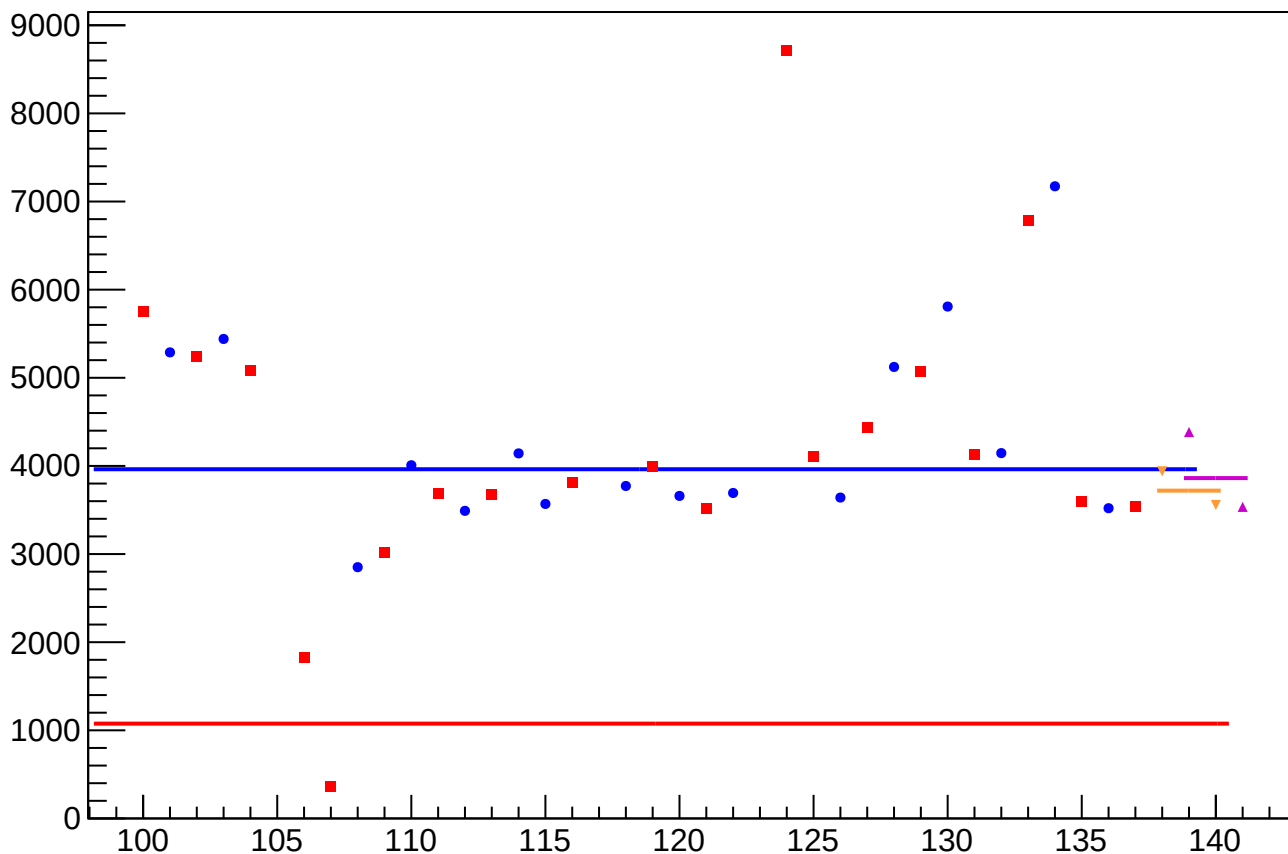
Left In: -1314.229 $\pm$ 2960.070 χ^2 /NDF: 0.0/1

+ sign 215.124 $\pm$ 1345.317 χ^2 /NDF: 15.5/17

All: -392.842 $\pm$ 579.992 χ^2 /NDF: 32.8/38

- sign -531.638 $\pm$ 642.796 χ^2 /NDF: 17.0/20

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF : 668339.6/15

Left Out: 3719.814+/-2.083 χ^2/NDF : 8215.5/1

Right Out: 1075.957+/-0.466 χ^2/NDF : 9558372.9/18

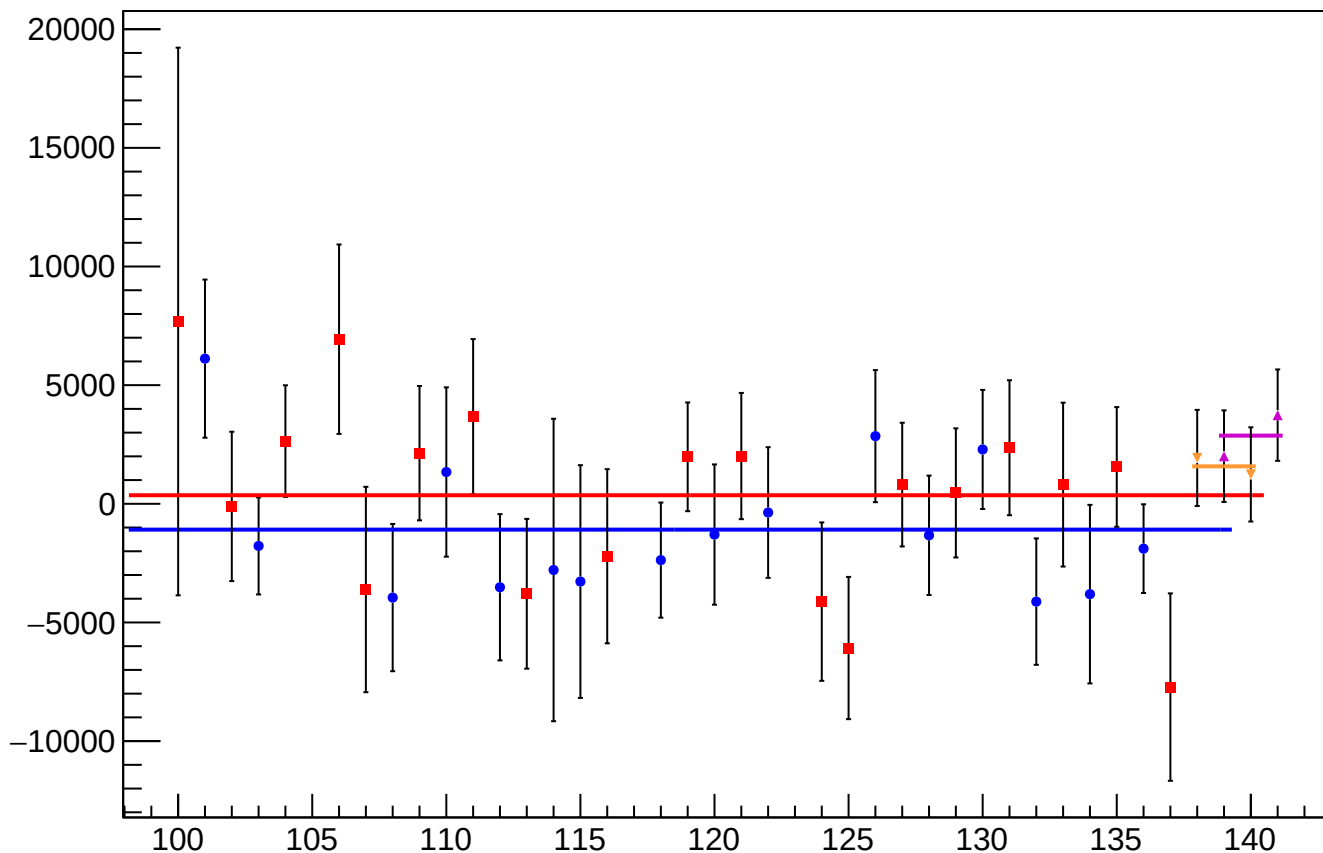
Left In: 3861.937+/-2.093 χ^2/NDF : 38962.1/1

+ sign 3911.780+/-0.951 χ^2/NDF : 687286.3/17

All: 1709.993+/-0.410 χ^2/NDF : 18552867.0/3

- sign 1207.335+/-0.455 χ^2/NDF : 11285454.9/20

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736 ± 699.579 χ^2/NDF : 13.2/15

Left Out: 1579.113 ± 1417.805 χ^2/NDF : 0.1/1

Right Out: 361.223 ± 699.665 χ^2/NDF : 20.8/18

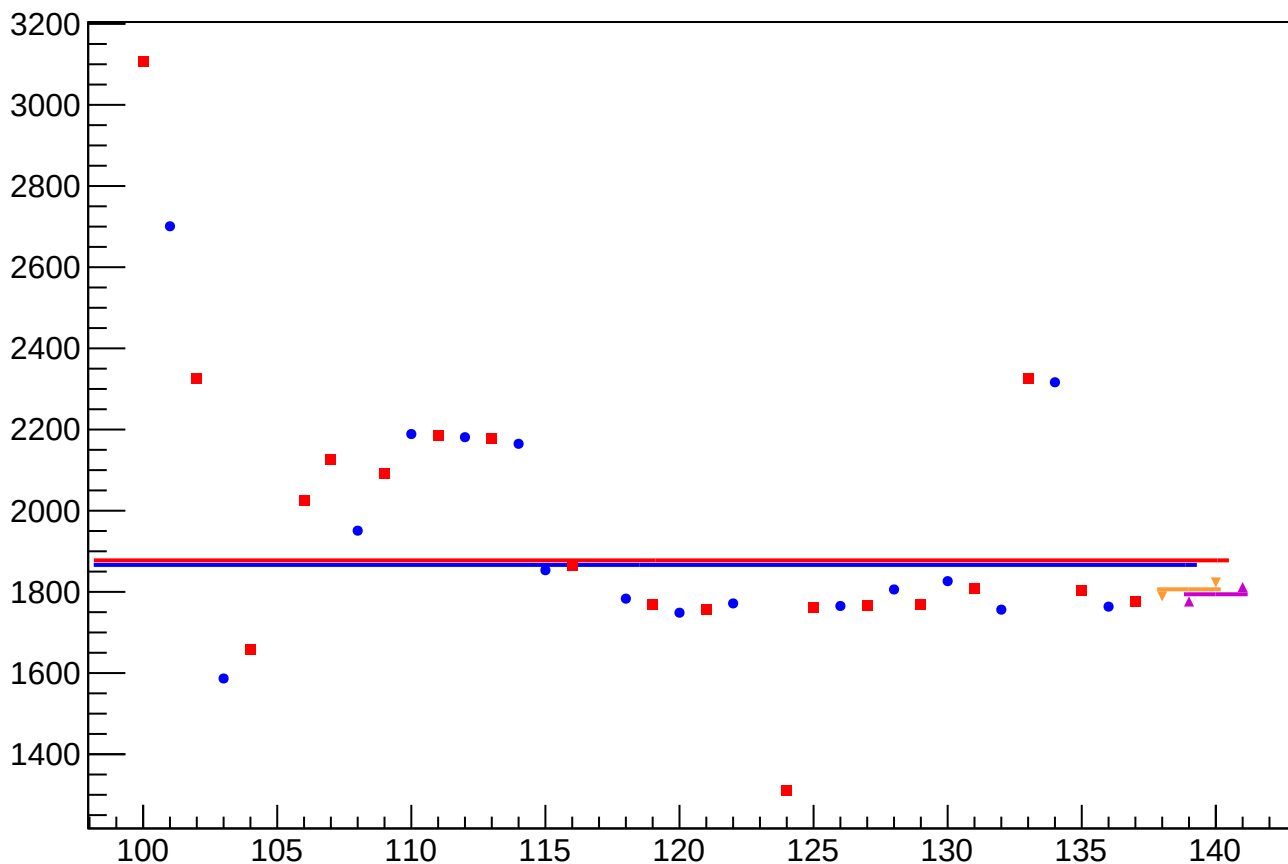
Left In: 2873.651 ± 1363.460 χ^2/NDF : 0.4/1

+ sign -565.575 ± 627.364 χ^2/NDF : 16.1/17

All: 165.325 ± 441.880 χ^2/NDF : 42.7/38

- sign 884.912 ± 622.490 χ^2/NDF : 23.9/20

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

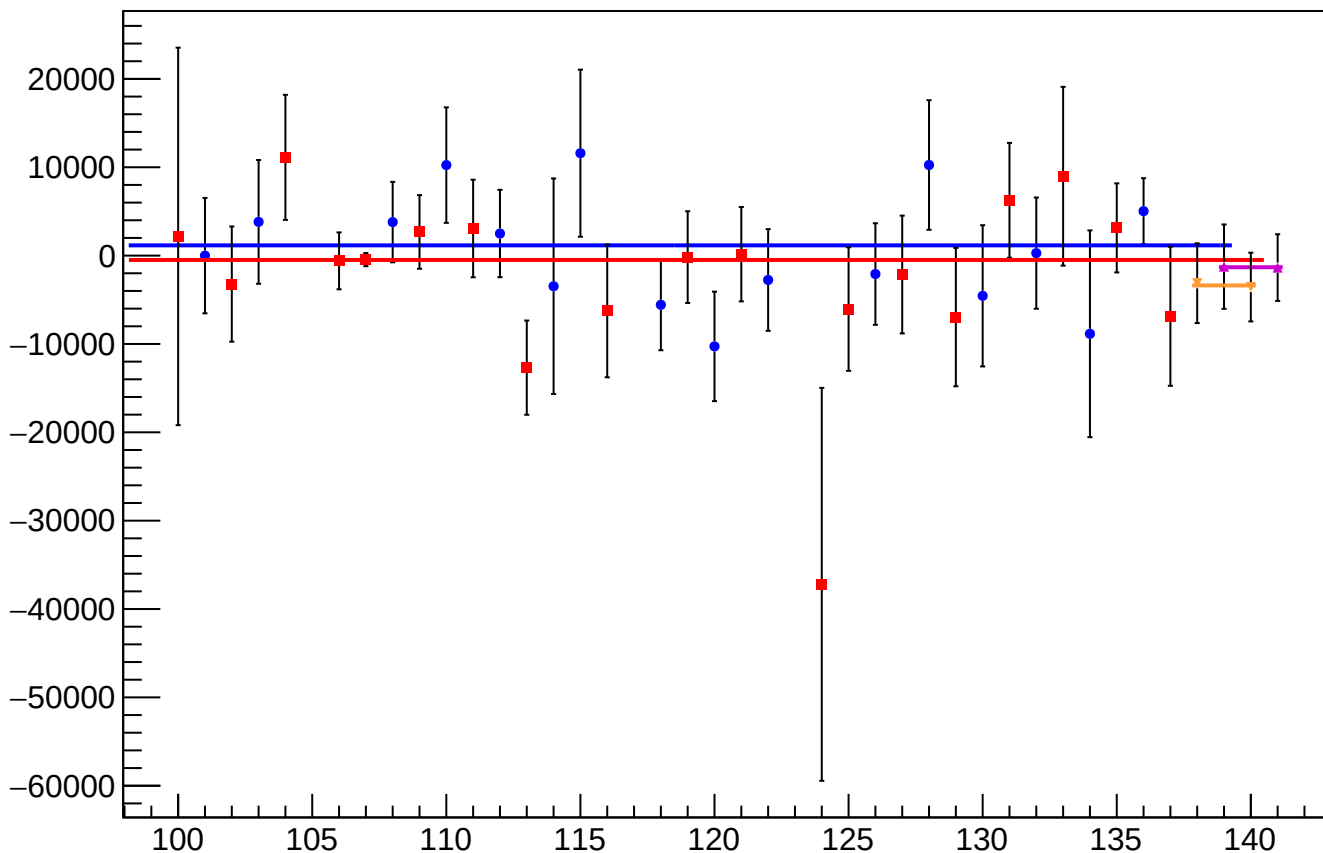
Left In: 1794.126 $\pm$ 0.964 χ^2 /NDF:339.3/1

+ sign 1854.697 $\pm$ 0.444 χ^2 /NDF: 259441.5/17

All: 1857.507 $\pm$ 0.312 χ^2 /NDF: 517655.3/38

- sign 1860.270 $\pm$ 0.440 χ^2 /NDF: 258134.2/20

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

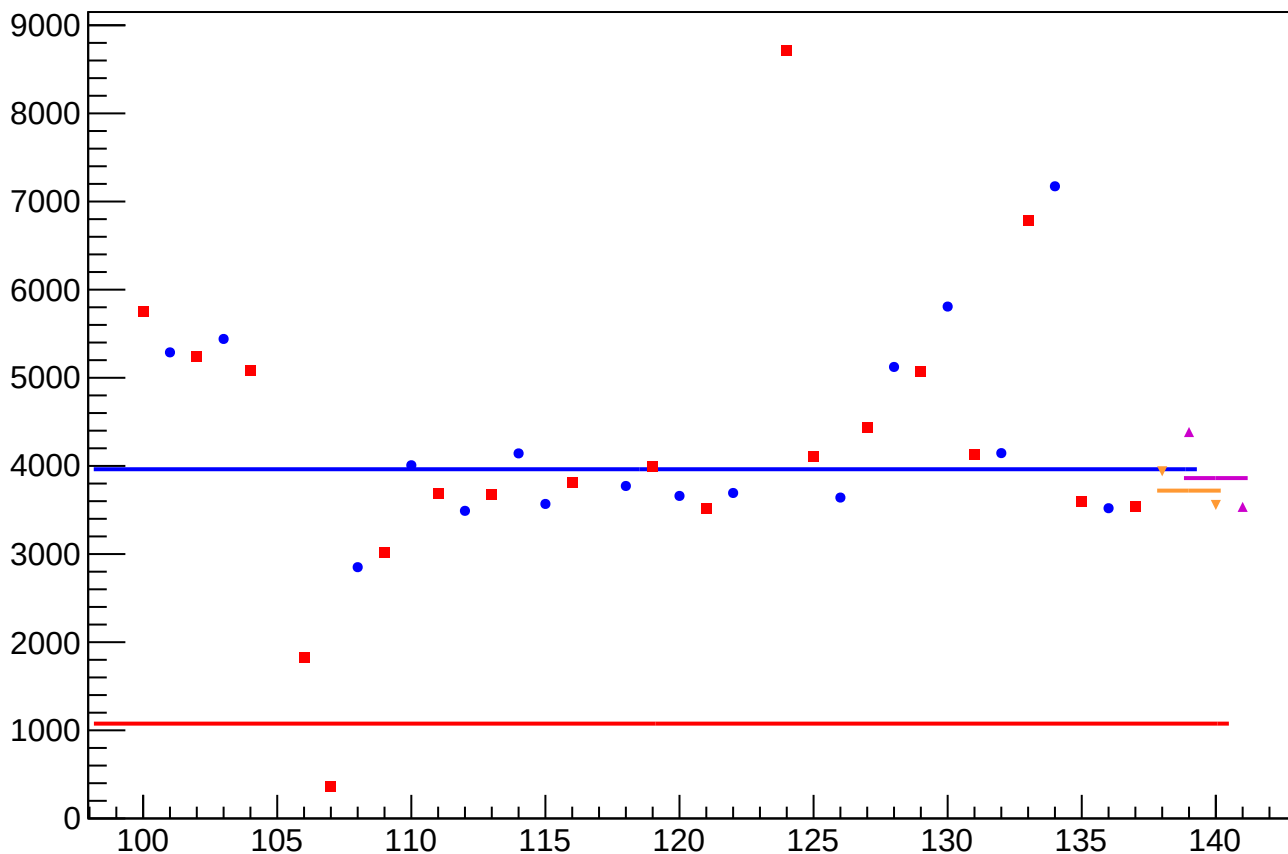
Left In: -1314.247 $\pm$ 2960.072 χ^2 /NDF: 0.0/1

+ sign 215.113 $\pm$ 1345.316 χ^2 /NDF: 15.5/17

All: -392.847 $\pm$ 579.999 χ^2 /NDF: 32.8/38

- sign -531.647 $\pm$ 642.806 χ^2 /NDF: 17.0/20

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF : 668335.9/15

Left Out: 3719.816+/-2.083 χ^2/NDF : 8215.8/1

Right Out: 1075.988+/-0.466 χ^2/NDF : 9558243.3/18

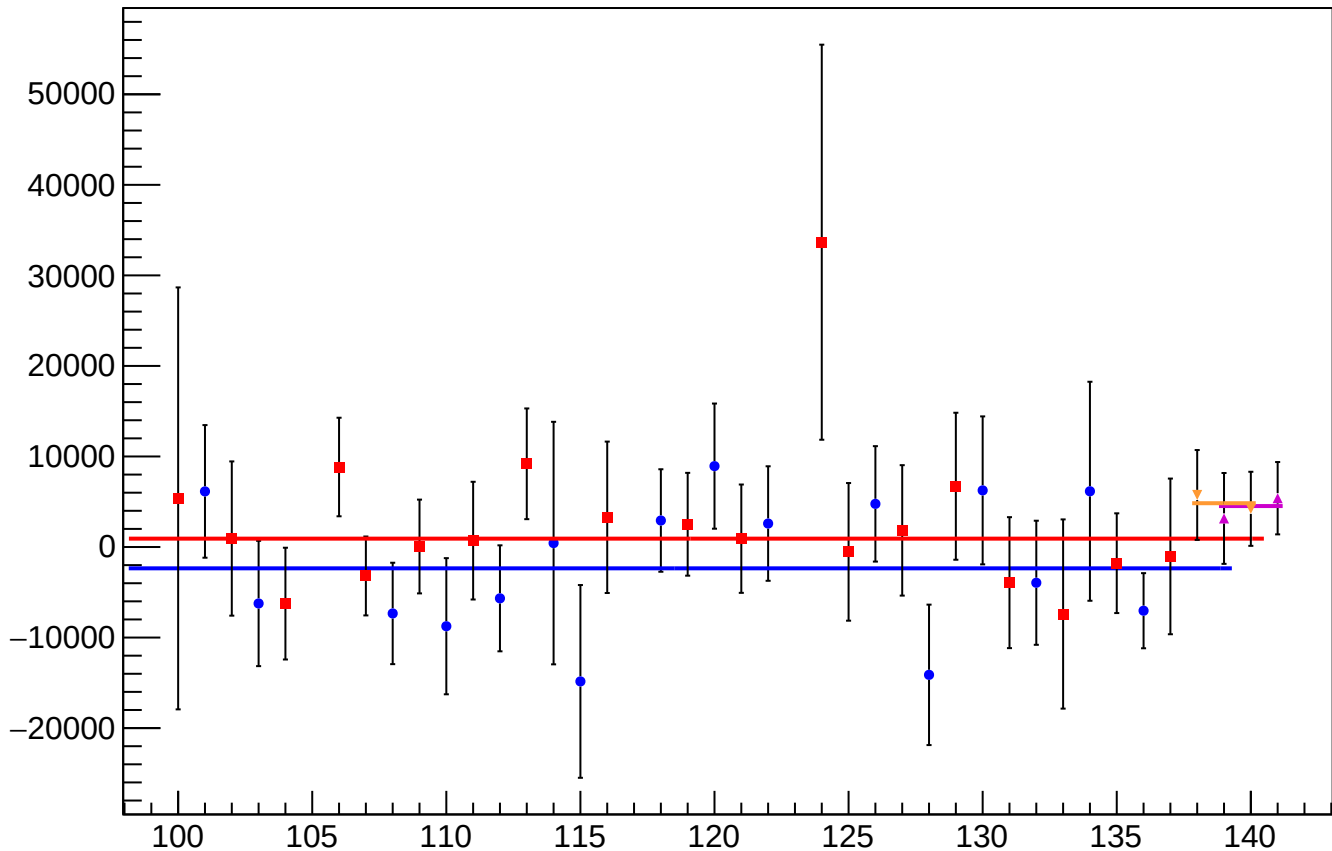
Left In: 3861.939+/-2.093 χ^2/NDF : 38963.0/1

+ sign 3911.776+/-0.951 χ^2/NDF : 687282.2/17

All: 1710.033+/-0.410 χ^2/NDF : 18552485.8/3

- sign 1207.368+/-0.455 χ^2/NDF : 11285286.6/20

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF : 15.5/15

Left Out: 4837.999+/-3156.411 χ^2/NDF : 0.1/1

Right Out: 924.896+/-1546.889 χ^2/NDF : 10.6/18

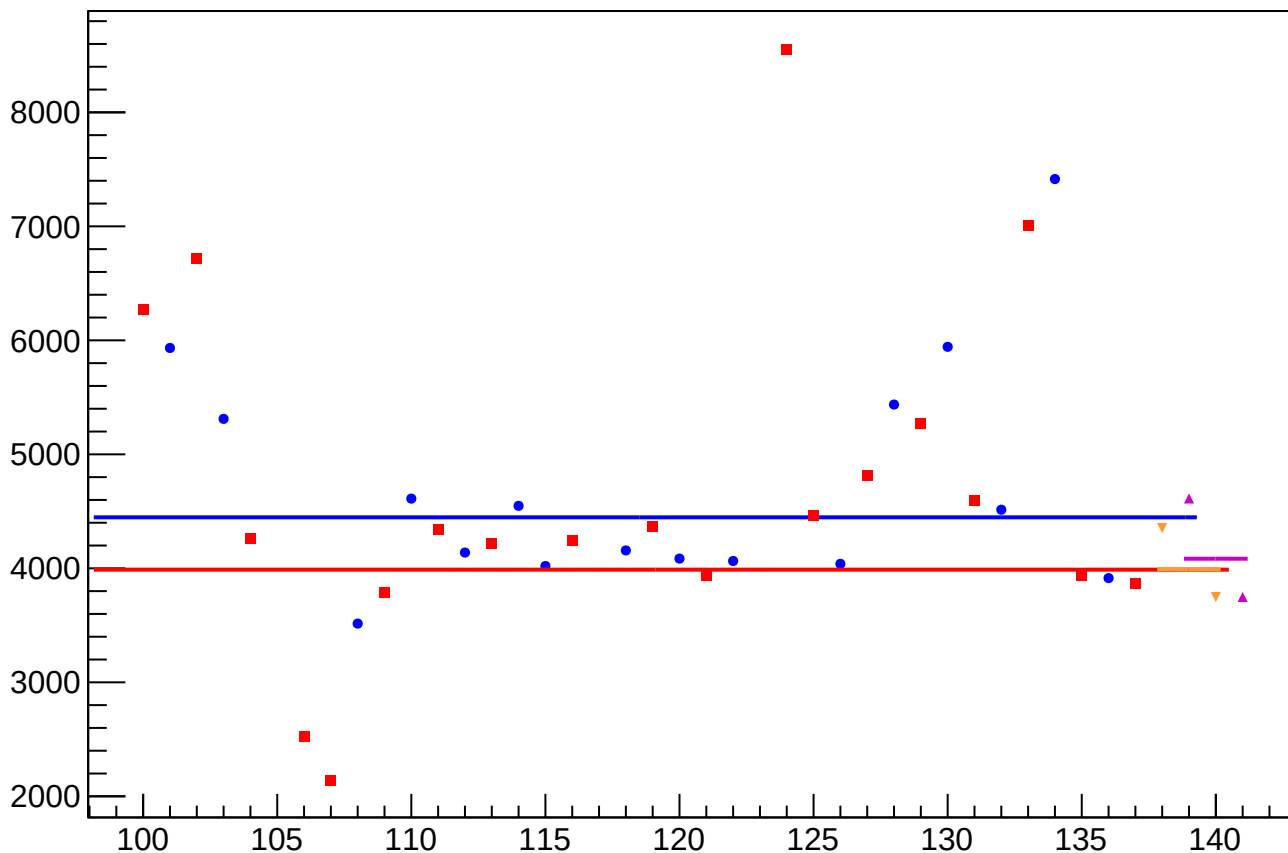
Left In: 4524.031+/-3125.079 χ^2/NDF : 0.1/1

+ sign -759.959+/-1486.307 χ^2/NDF : 19.6/17

All: 519.796+/-1013.793 χ^2/NDF : 32.8/38

- sign 1633.199+/-1386.346 χ^2/NDF : 11.8/20

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF : 458251.2/15

Left Out: 3992.800+/-2.232 χ^2/NDF : 17714.3/1

Right Out: 3988.249+/-1.083 χ^2/NDF : 1143932.4/18

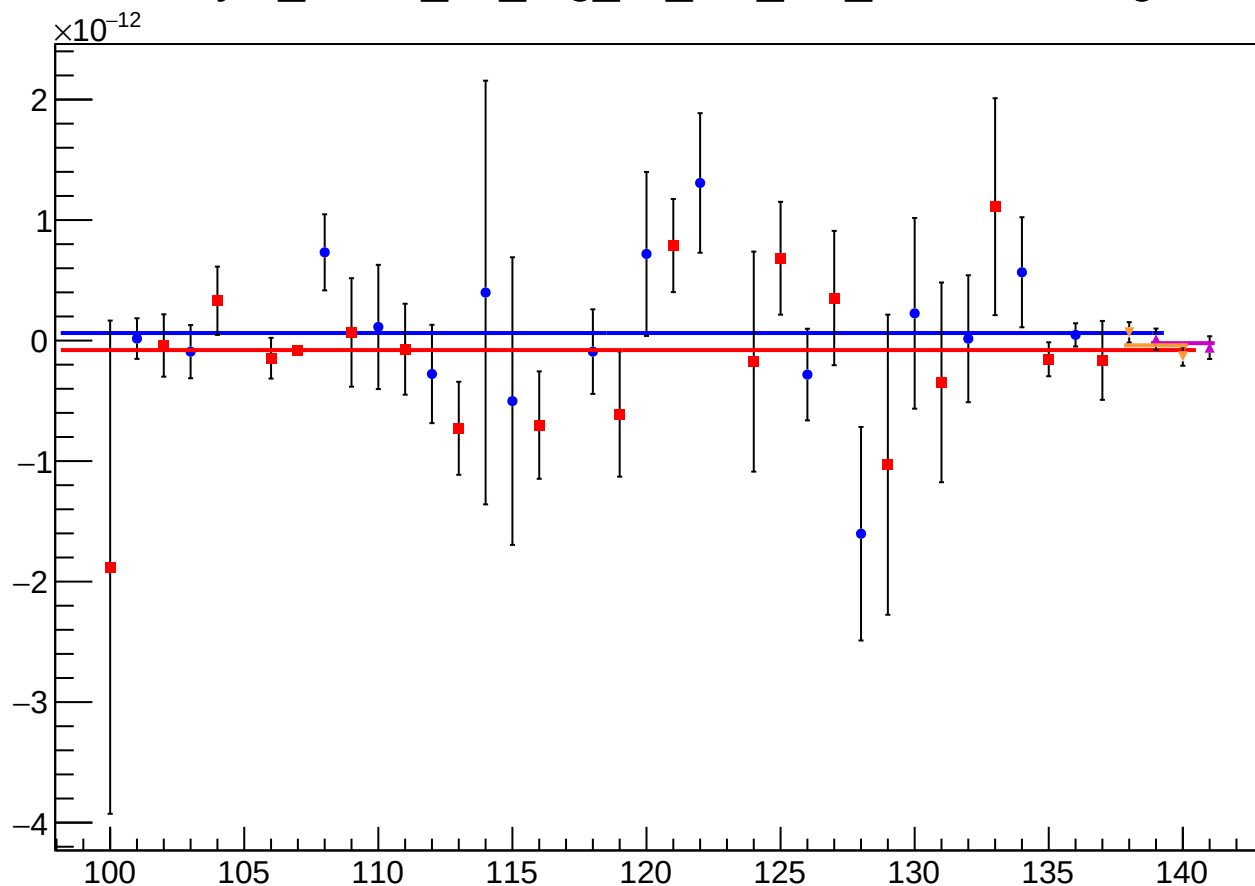
Left In: 4084.341+/-2.210 χ^2/NDF : 36272.2/1

+ sign 4346.619+/-1.051 χ^2/NDF : 508256.1/17

All: 4163.575+/-0.714 χ^2/NDF : 1746289.5/38

- sign 4006.859+/-0.972 χ^2/NDF : 1181729.4/20

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 2.9/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.1/18

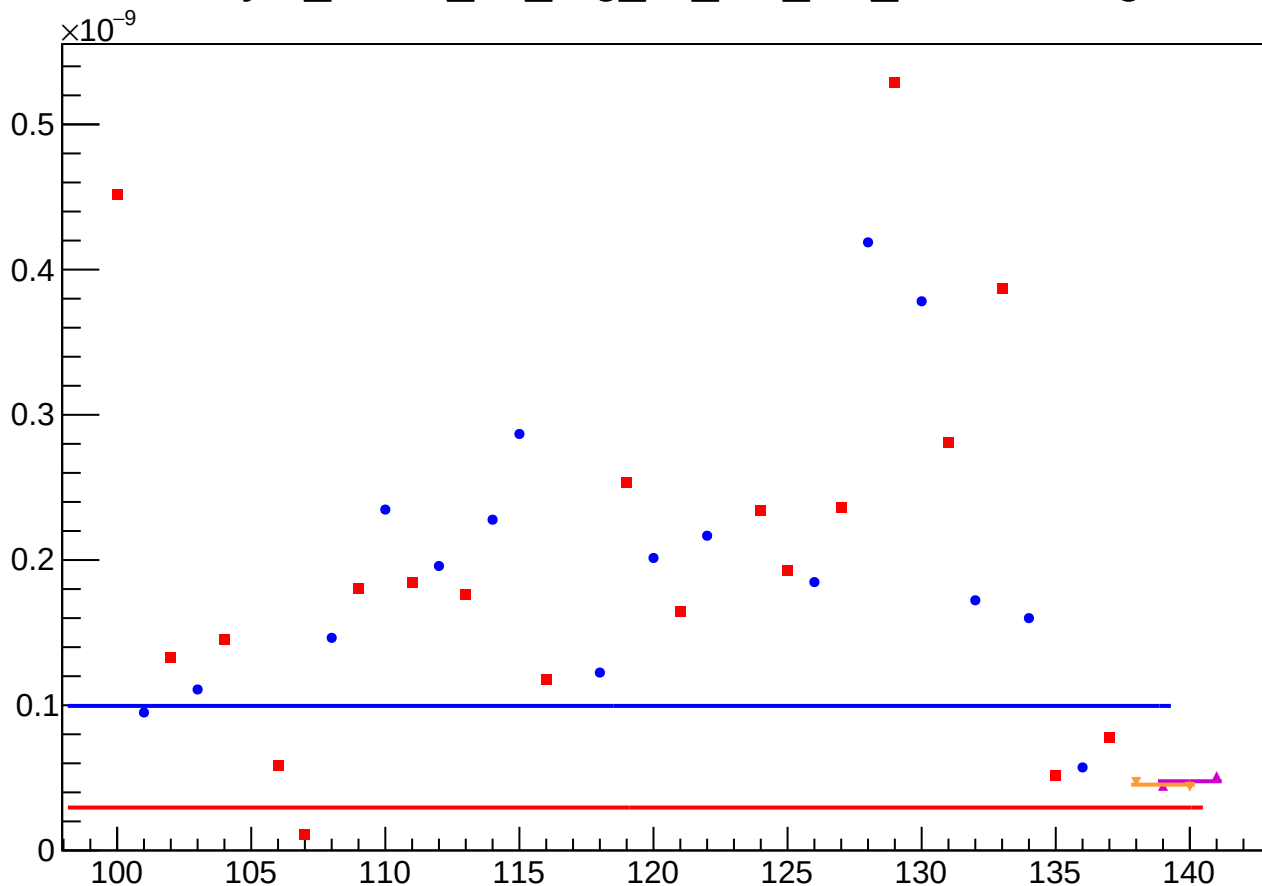
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign 0.000 ± 0.000 χ^2/NDF : 21.7/17

All: -0.000 ± 0.000 χ^2/NDF : 44.4/38

- sign -0.000 ± 0.000 χ^2/NDF : 21.0/20

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1562904.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1703.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4363474.8/18

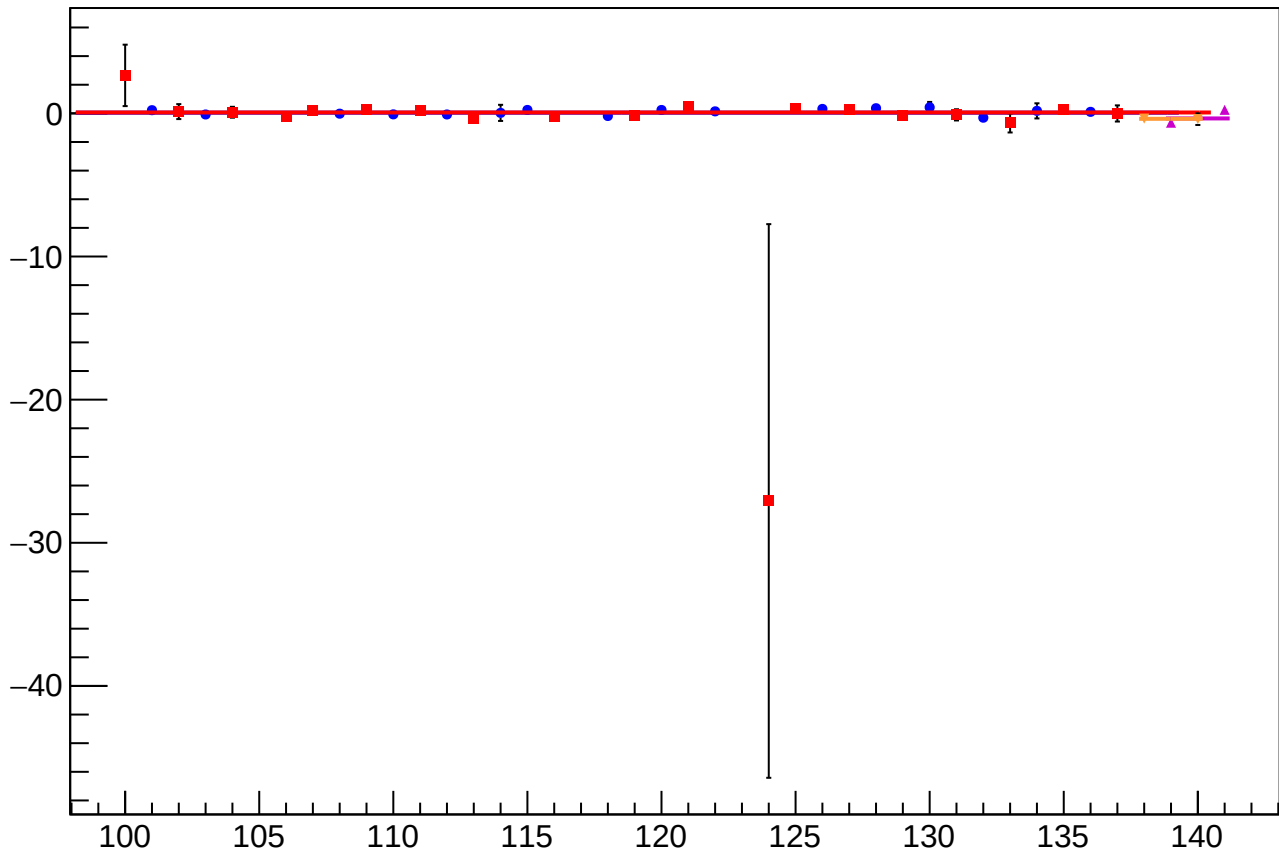
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :5303.6/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2304169.3/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7648063.4/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4493046.9/20

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

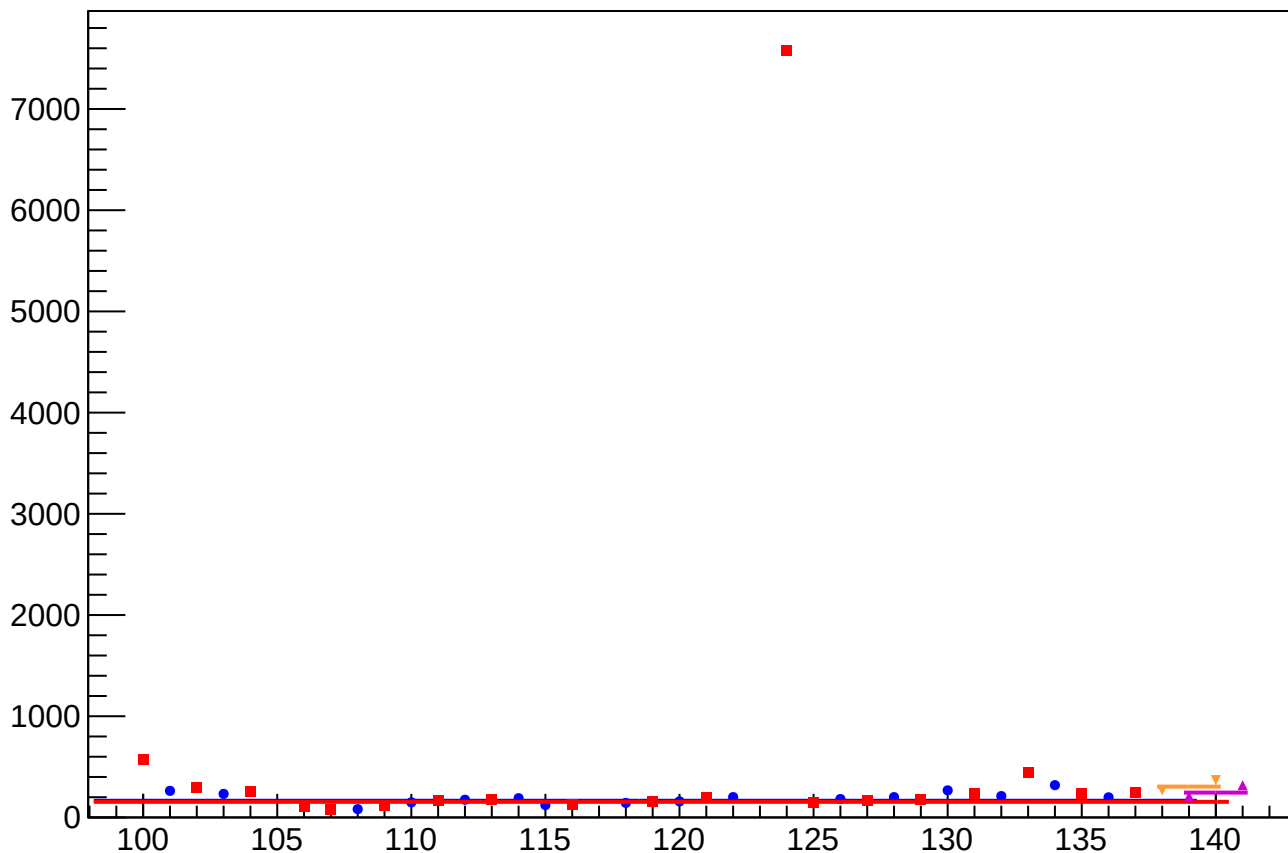
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF: 4.7/1

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.020 $\pm$ 0.044 χ^2 /NDF: 37.6/38

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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

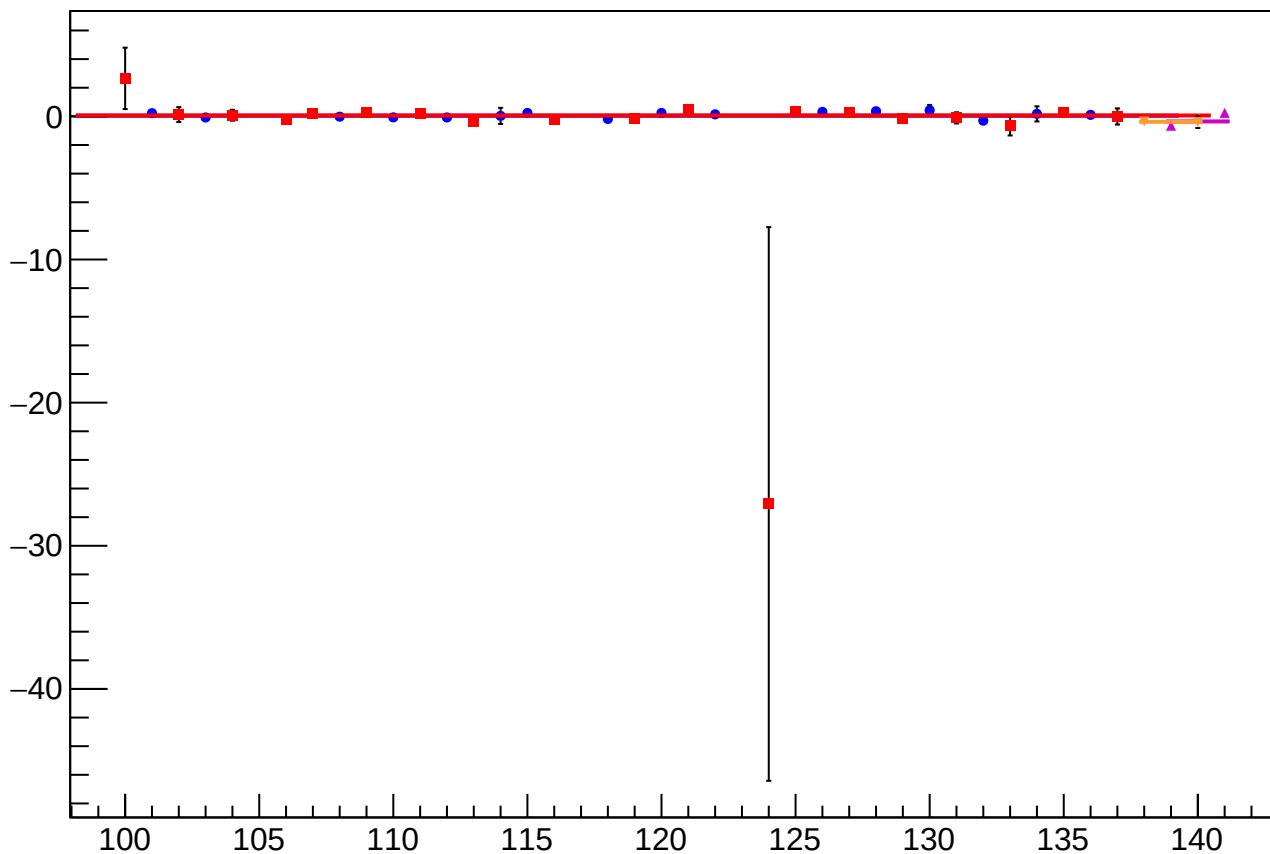
Left In: 245.538 $\pm$ 0.139 χ^2 /NDF:138754.4/1

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150972.4/17

All: 168.526 $\pm$ 0.031 χ^2 /NDF: 4632739.0/38

- sign 163.281 $\pm$ 0.043 χ^2 /NDF: 2450912.0/20

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

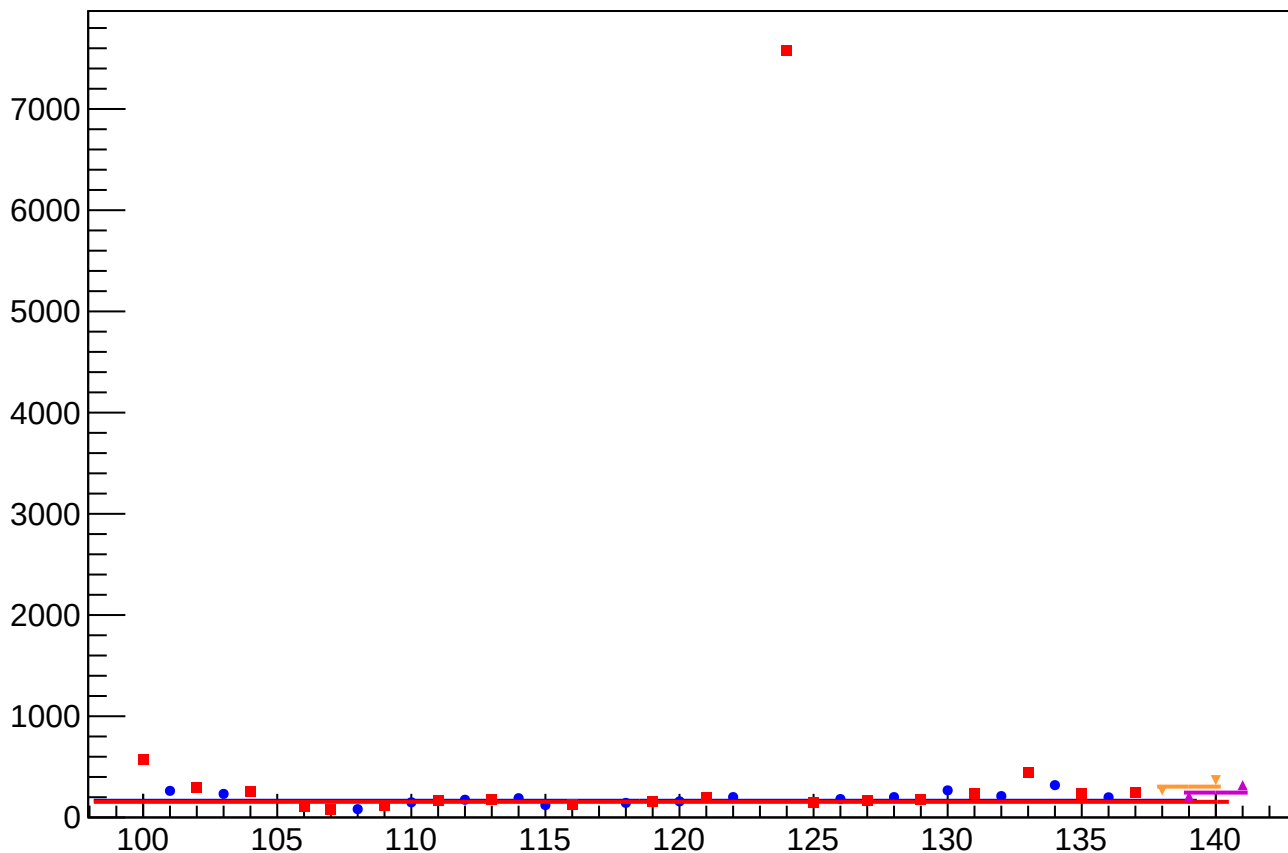
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF:4.7/1

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.020 $\pm$ 0.044 χ^2 /NDF: 37.6/38

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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

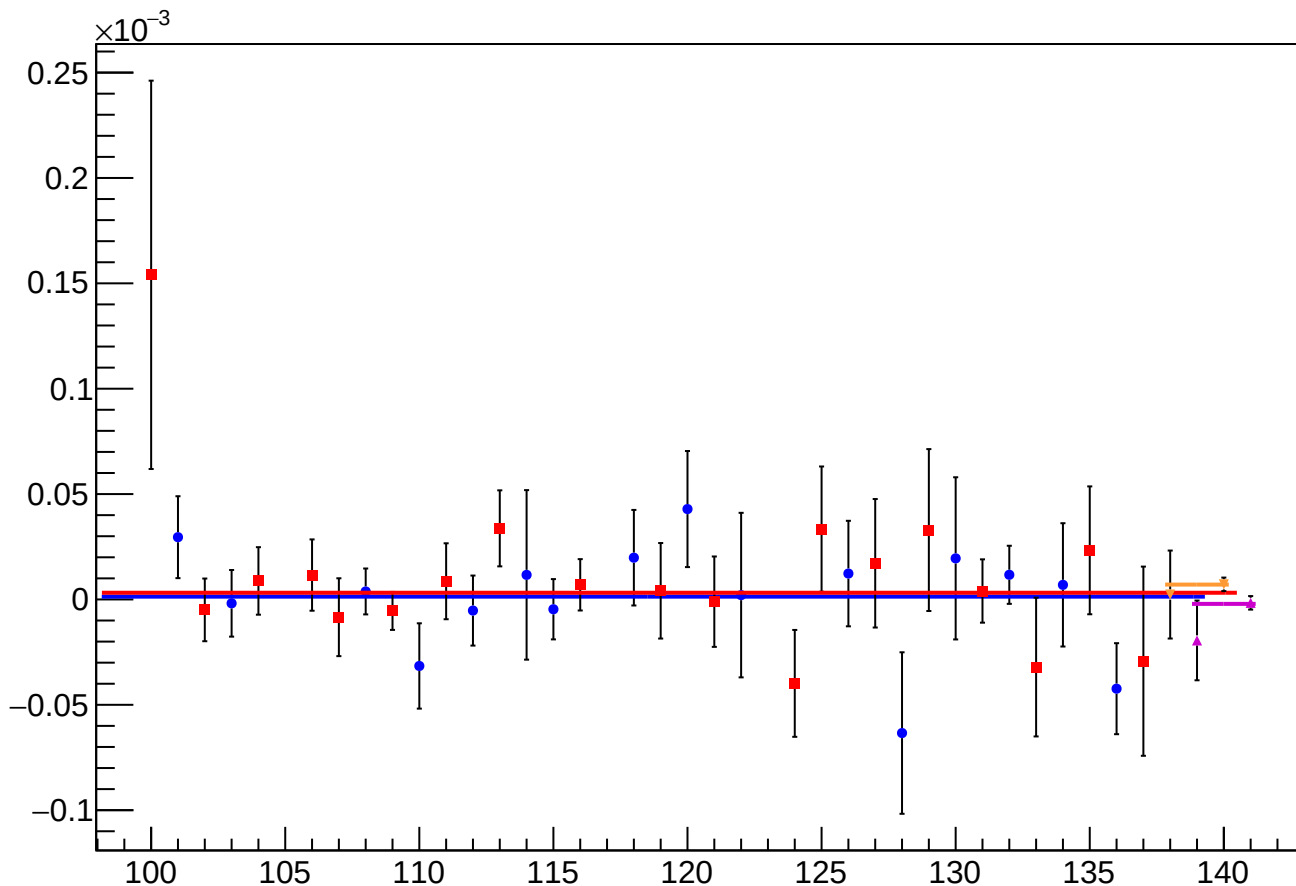
Left In: 245.538 $\pm$ 0.139 χ^2 /NDF: 138754.4/1

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150972.4/17

All: 168.526 $\pm$ 0.031 χ^2 /NDF: 4632739.0/38

- sign 163.281 $\pm$ 0.043 χ^2 /NDF: 2450912.0/20

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

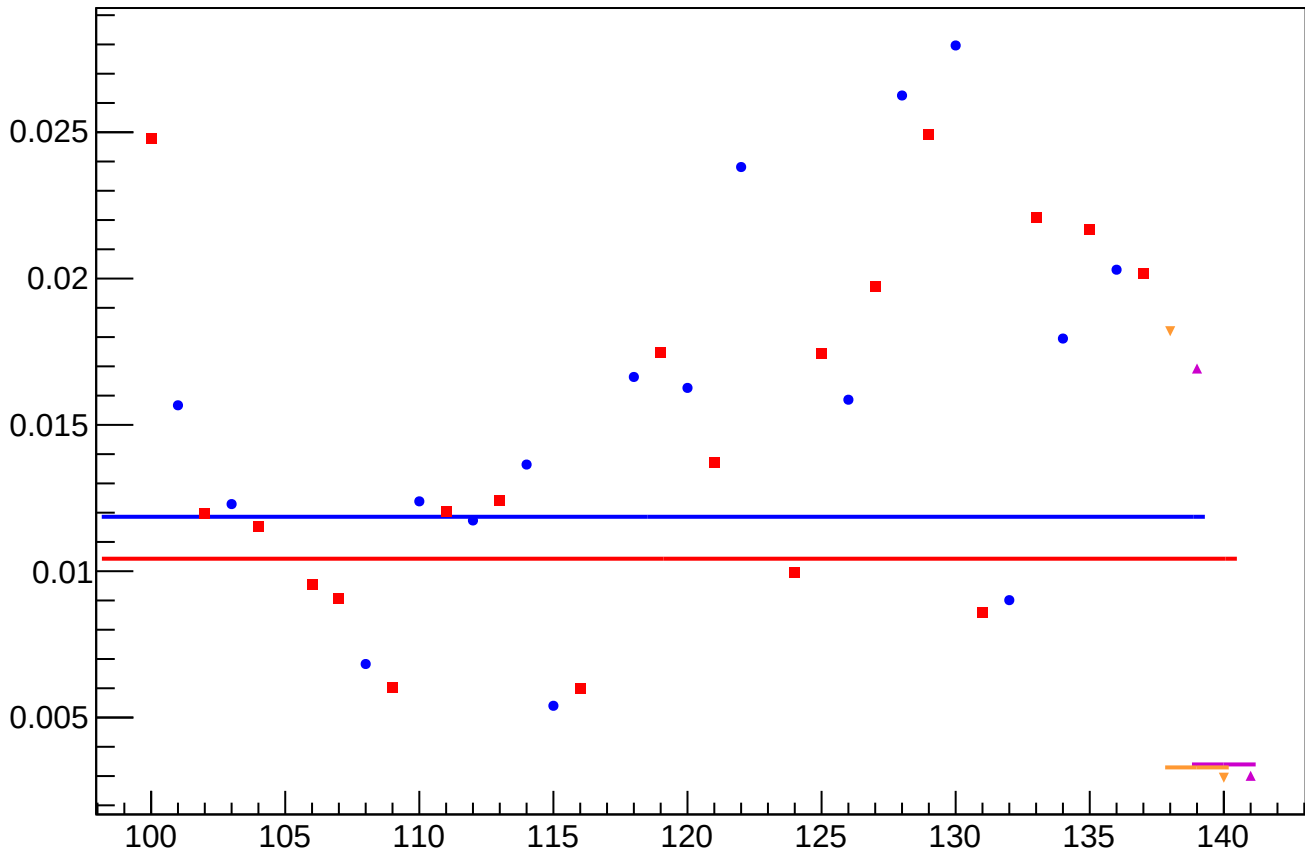
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/20

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2407192.9/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1043755.8/1

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2355101.8/18

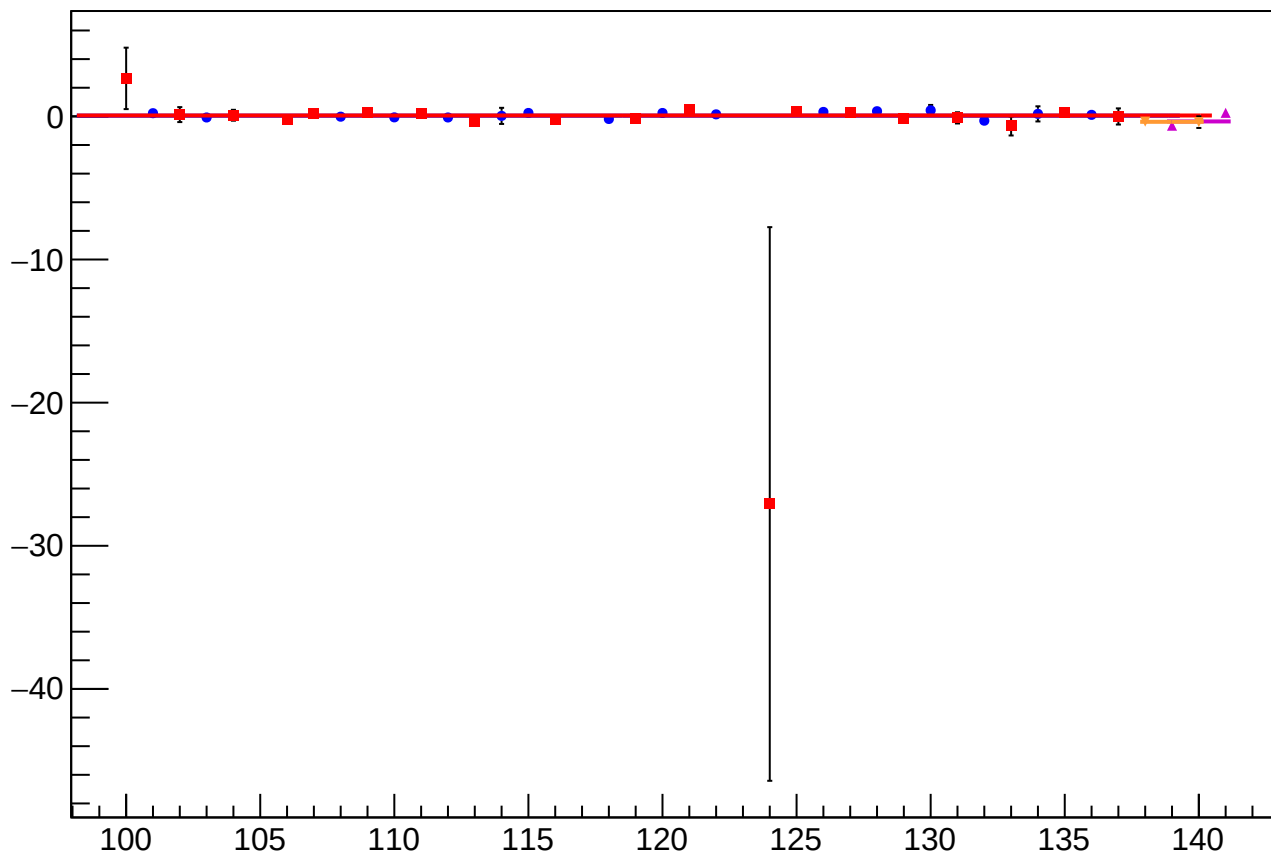
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1052547.9/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7787020.3/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 14732308.2/38

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6944717.1/20

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

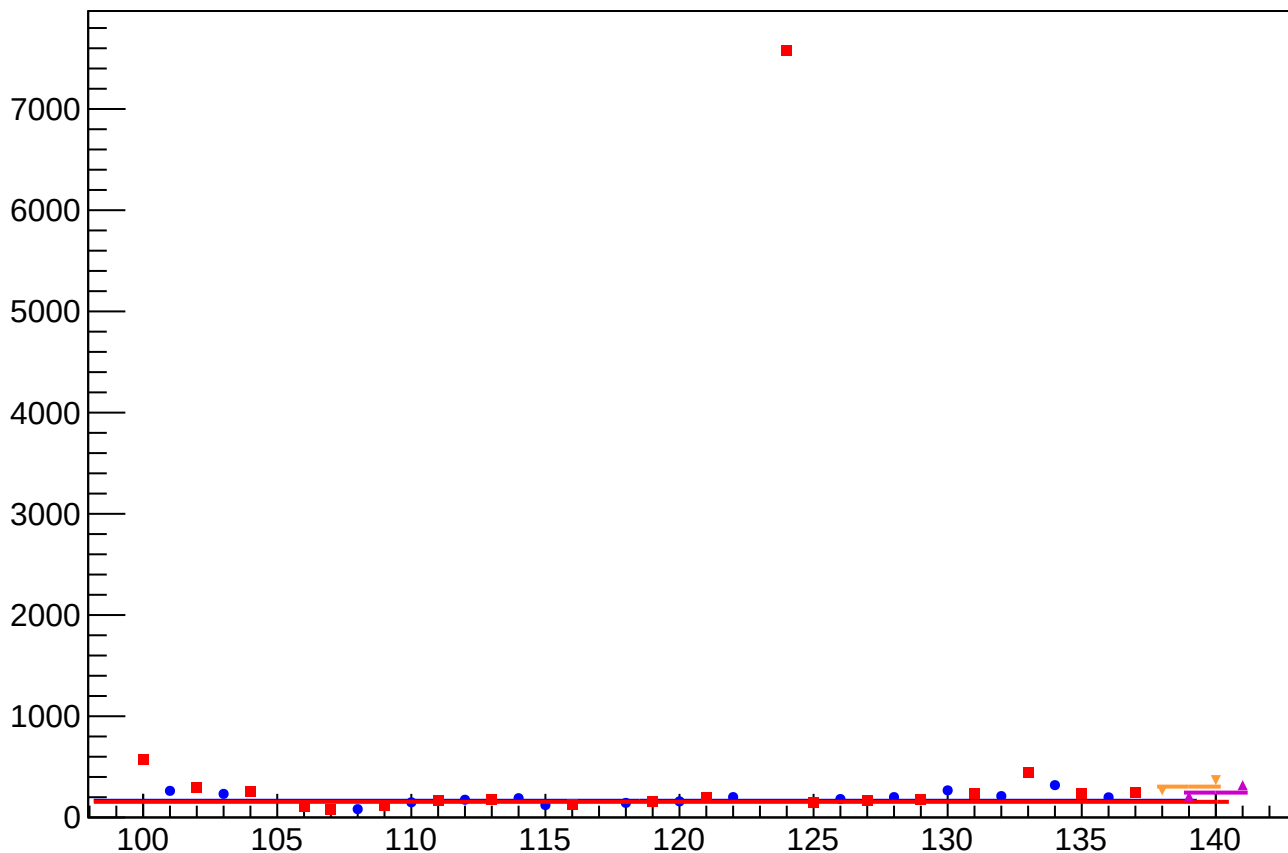
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF:4.7/1

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.020 $\pm$ 0.044 χ^2 /NDF: 37.6/38

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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

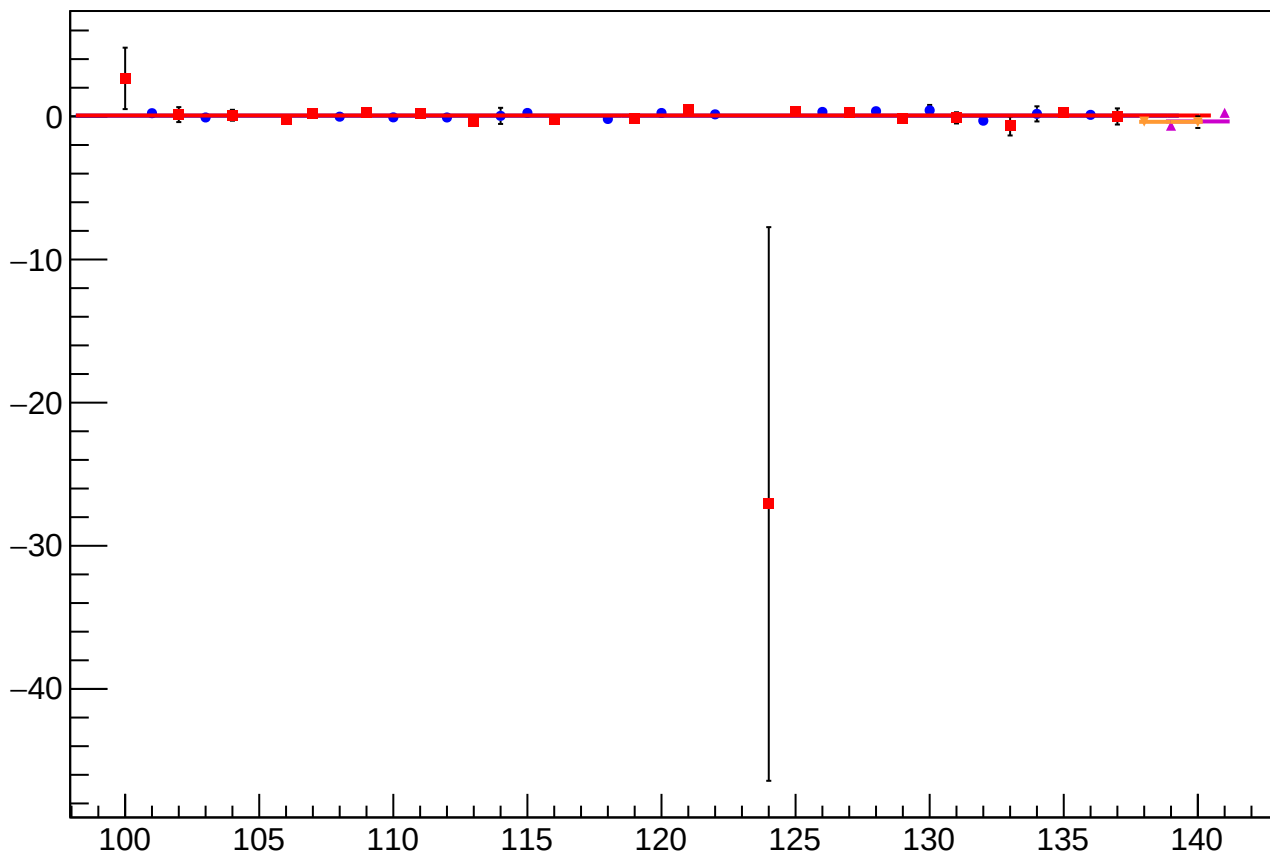
Left In: 245.540 $\pm$ 0.139 χ^2 /NDF: 138743.7/1

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150959.6/17

All: 168.526 $\pm$ 0.031 χ^2 /NDF: 4632755.8/38

- sign 163.280 $\pm$ 0.043 χ^2 /NDF: 2450941.3/20

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

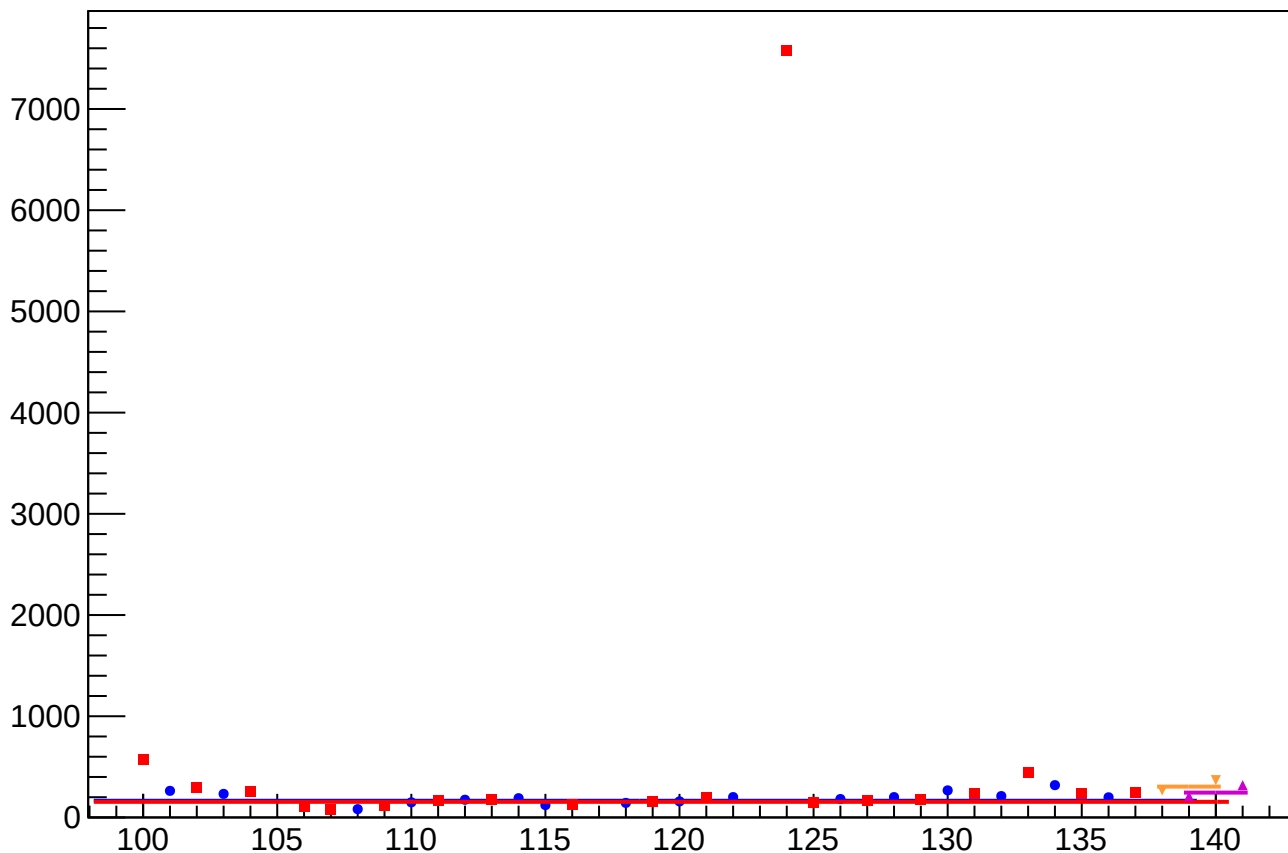
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF:4.7/1

+ sign 0.019 $\pm$ 0.064 χ^2 /NDF: 10.4/17

All: 0.020 $\pm$ 0.044 χ^2 /NDF: 37.6/38

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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

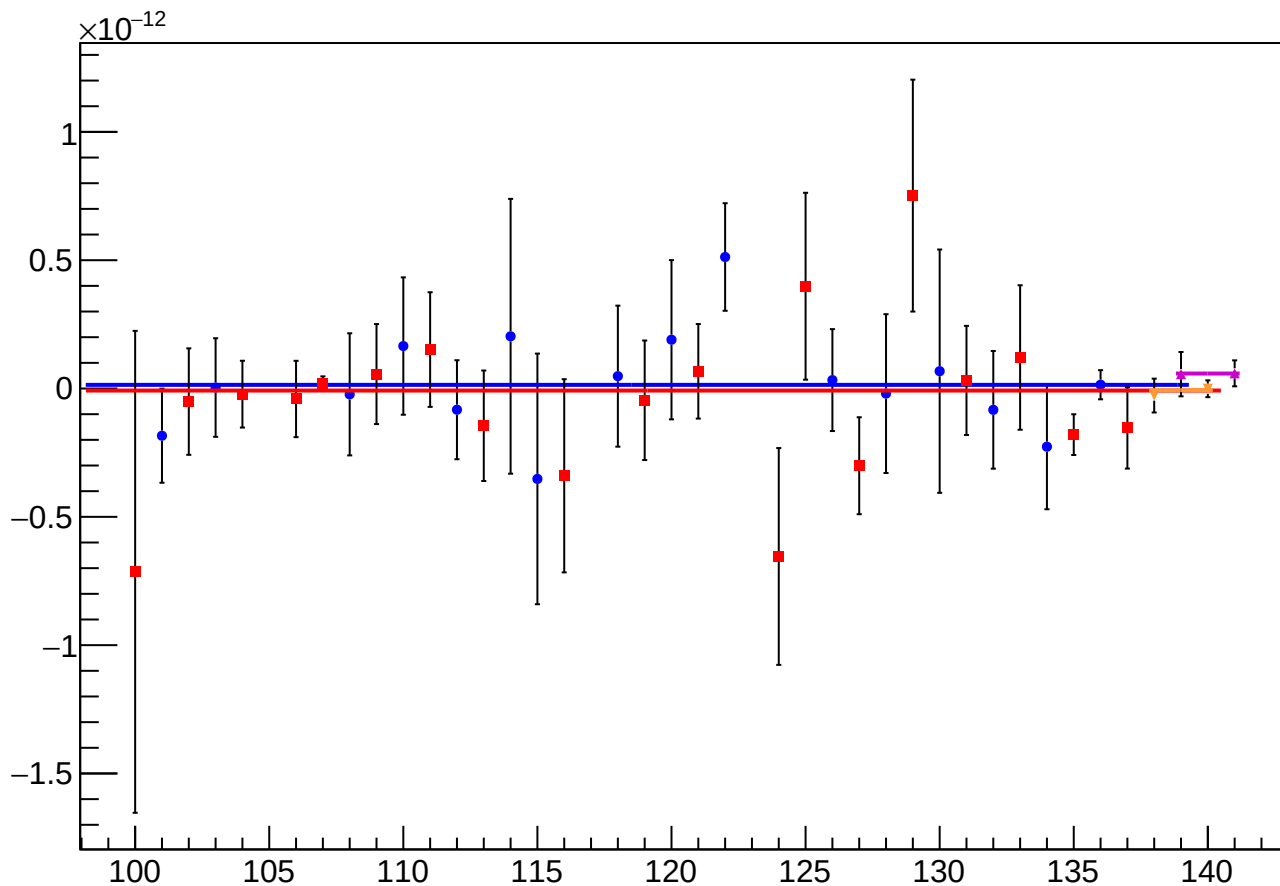
Left In: 245.540 $\pm$ 0.139 χ^2 /NDF: 138743.7/1

+ sign 174.289 $\pm$ 0.045 χ^2 /NDF: 2150959.6/17

All: 168.526 $\pm$ 0.031 χ^2 /NDF: 4632755.8/38

- sign 163.280 $\pm$ 0.043 χ^2 /NDF: 2450941.3/20

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

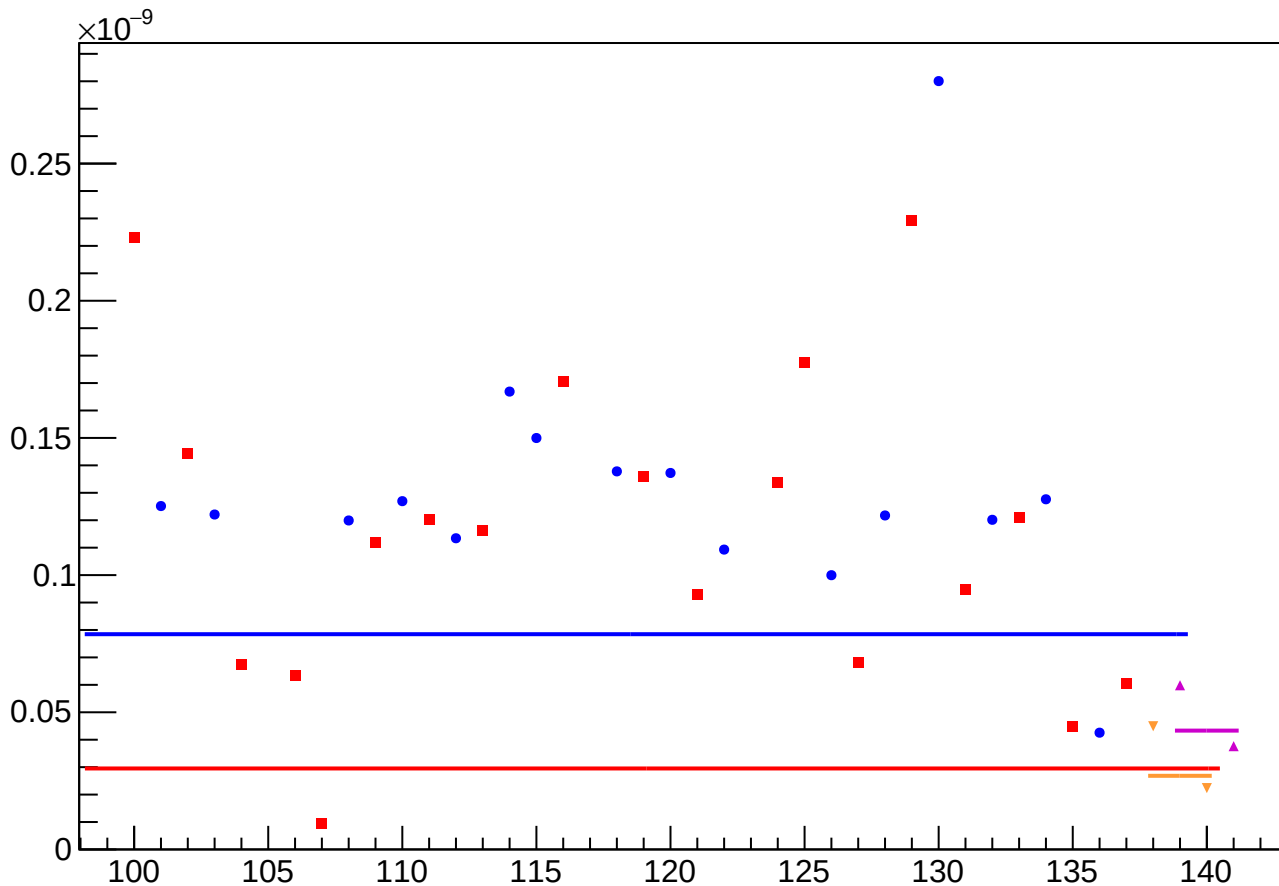
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/20

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

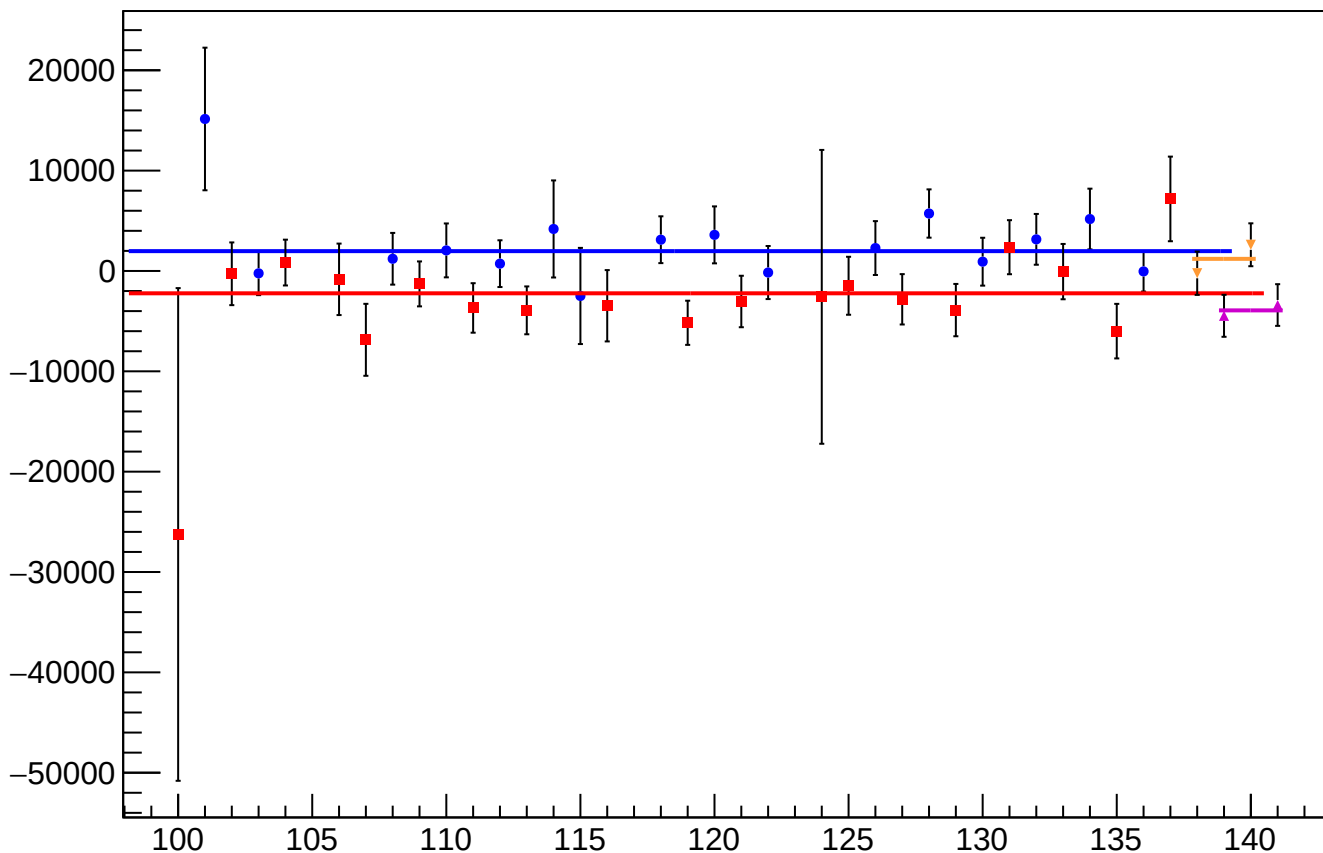
Left In: 0.000+/-0.000 χ^2/NDF : 98448.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4292933.2/17

All: 0.000+/-0.000 χ^2/NDF : 10281822.7/38

- sign 0.000+/-0.000 χ^2/NDF : 5742526.7/20

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF : 12.1/15

Left Out: 1206.877+/-1518.895 χ^2/NDF : 0.9/1

Right Out: -2226.171+/-656.286 χ^2/NDF : 19.0/18

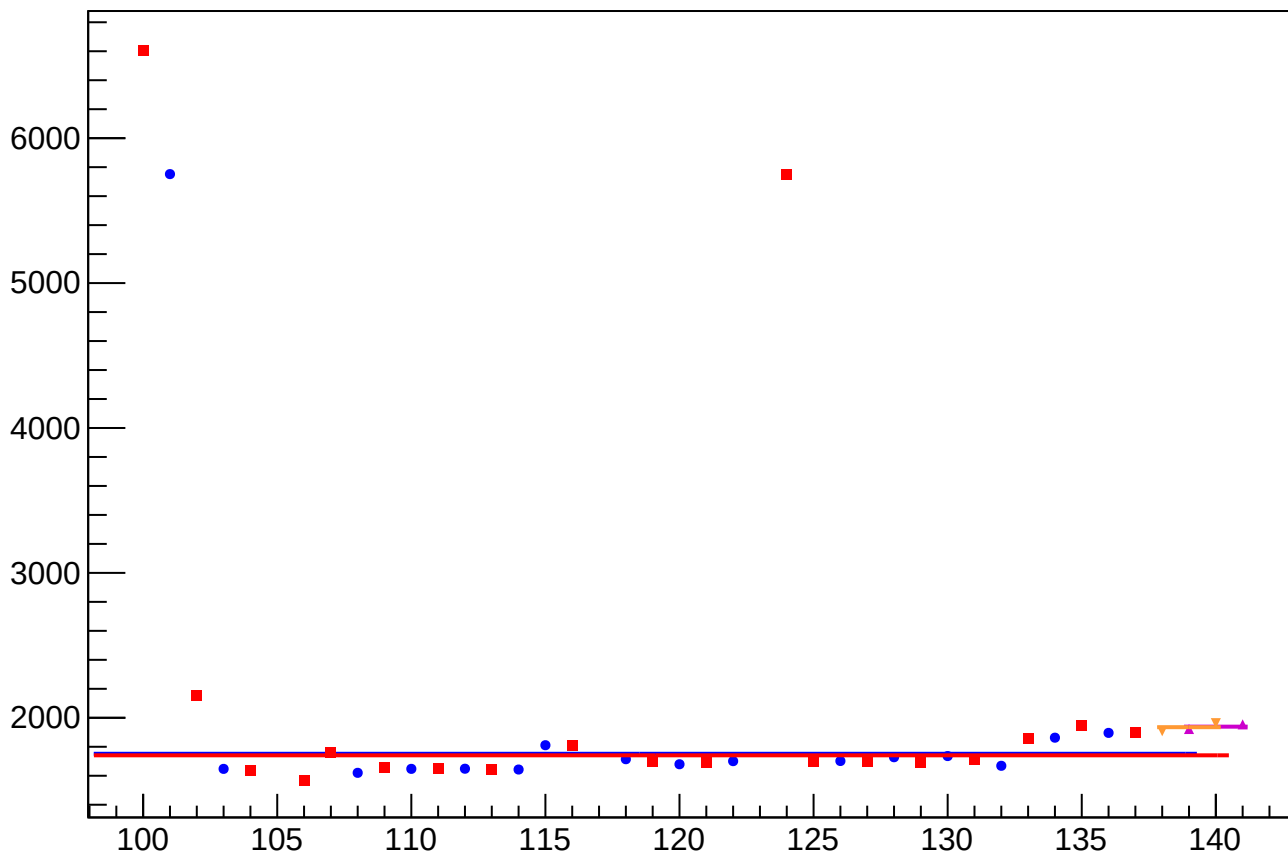
Left In: -3927.864+/-1473.880 χ^2/NDF : 0.1/1

+ sign 1851.689+/-611.254 χ^2/NDF : 13.2/17

All: -370.212+/-428.019 χ^2/NDF : 59.4/38

- sign -2507.742+/-599.536 χ^2/NDF : 20.2/20

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607 $\pm$ 0.472 χ^2 /NDF: 670651.4/15

Left Out: 1935.238 $\pm$ 1.074 χ^2 /NDF:662.9/1

Right Out: 1741.052 $\pm$ 0.461 χ^2 /NDF: 304655.0/18

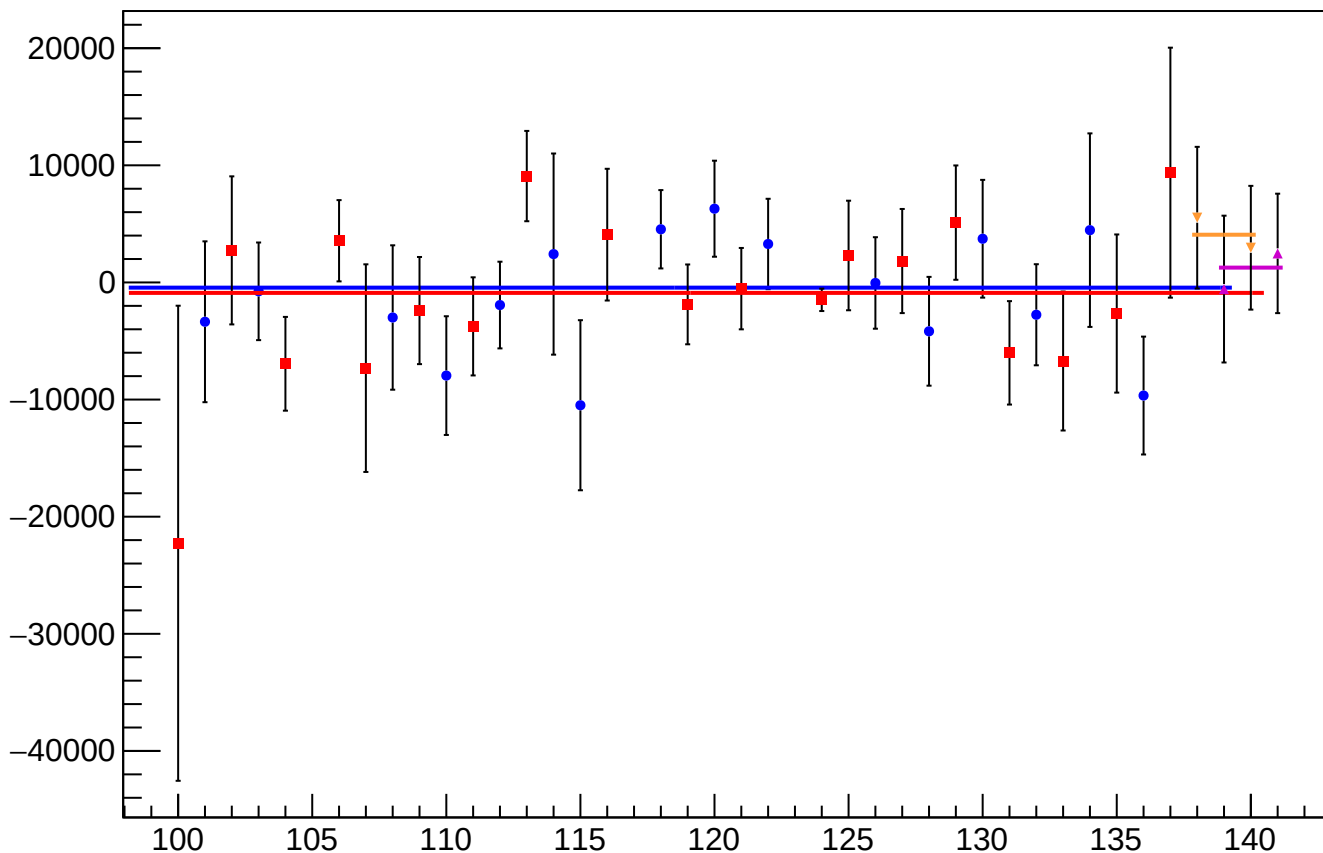
Left In: 1938.811 $\pm$ 1.042 χ^2 /NDF:232.7/1

+ sign 1781.346 $\pm$ 0.432 χ^2 /NDF: 695812.6/17

All: 1777.258 $\pm$ 0.302 χ^2 /NDF: 1030996.5/38

- sign 1773.373 $\pm$ 0.421 χ^2 /NDF: 335009.4/20

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

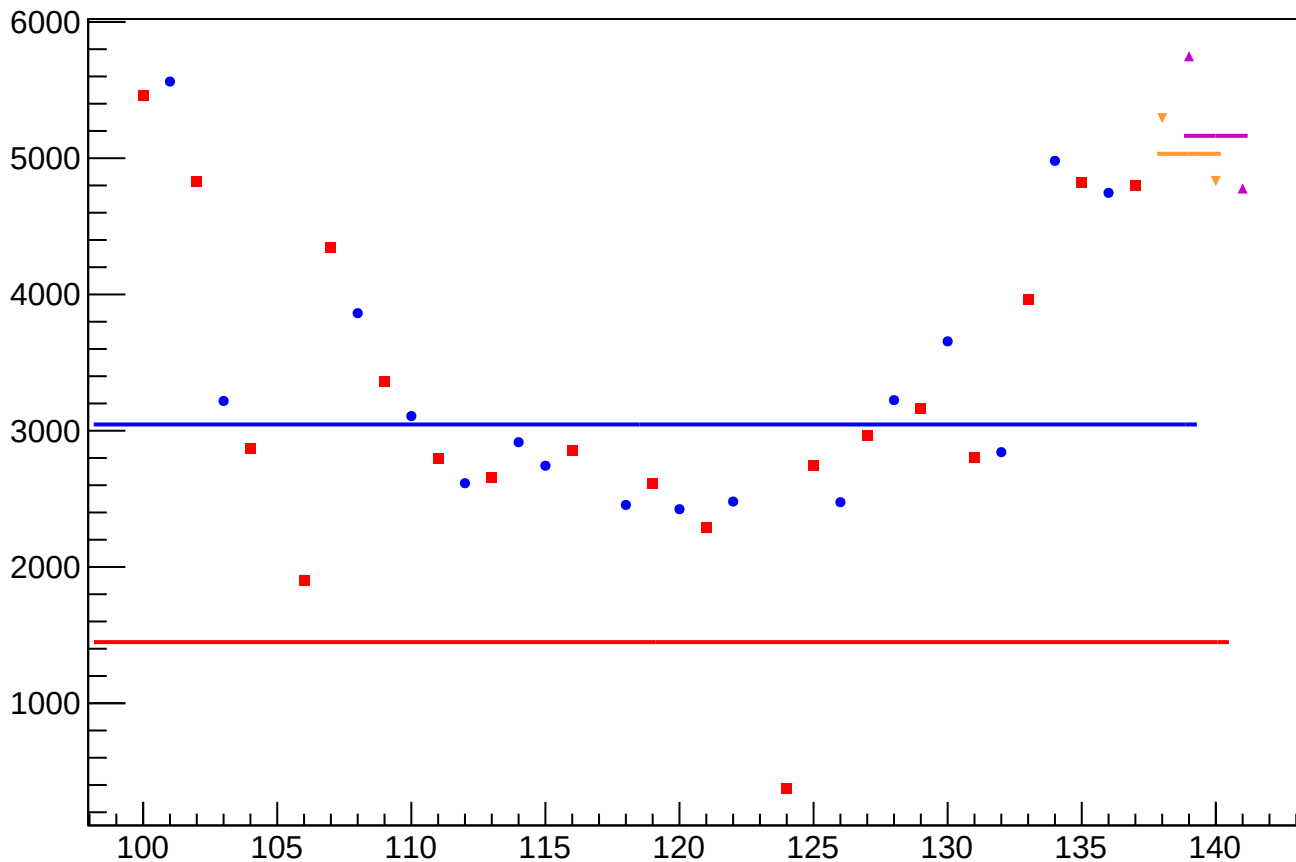
Left In: 1265.437 ± 3955.222 χ^2/NDF : 0.1/1

+ sign -82.063 ± 1126.390 χ^2/NDF : 17.2/17

All: -609.955 ± 602.942 χ^2/NDF : 38.0/38

- sign -821.959 ± 713.820 χ^2/NDF : 20.5/20

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917 $\pm$ 0.830 χ^2 /NDF: 907385.5/15

Left Out: 5032.388 $\pm$ 2.813 χ^2 /NDF:6593.9/1

Right Out: 1448.519 $\pm$ 0.513 χ^2 /NDF: 6786925.8/18

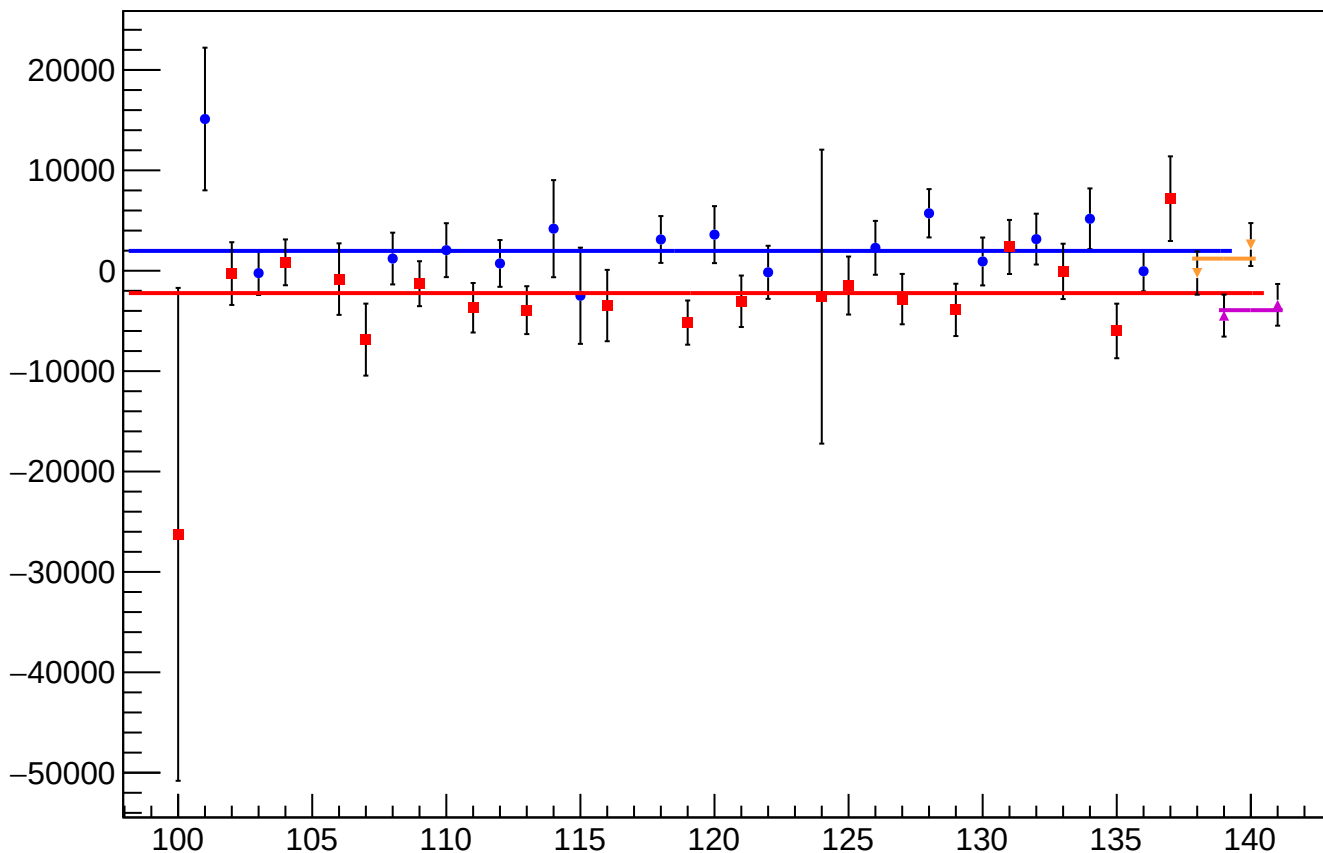
Left In: 5164.333 $\pm$ 2.797 χ^2 /NDF:28842.3/1

+ sign 3205.164 $\pm$ 0.796 χ^2 /NDF: 1372664.2/17

All: 2038.205 $\pm$ 0.426 χ^2 /NDF: 12904916.6/3

- sign 1569.548 $\pm$ 0.505 χ^2 /NDF: 8523481.4/20

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 ± 667.710 χ^2/NDF : 12.1/15

Left Out: 1207.014 ± 1518.895 χ^2/NDF : 0.9/1

Right Out: -2226.267 ± 656.286 χ^2/NDF : 19.0/18

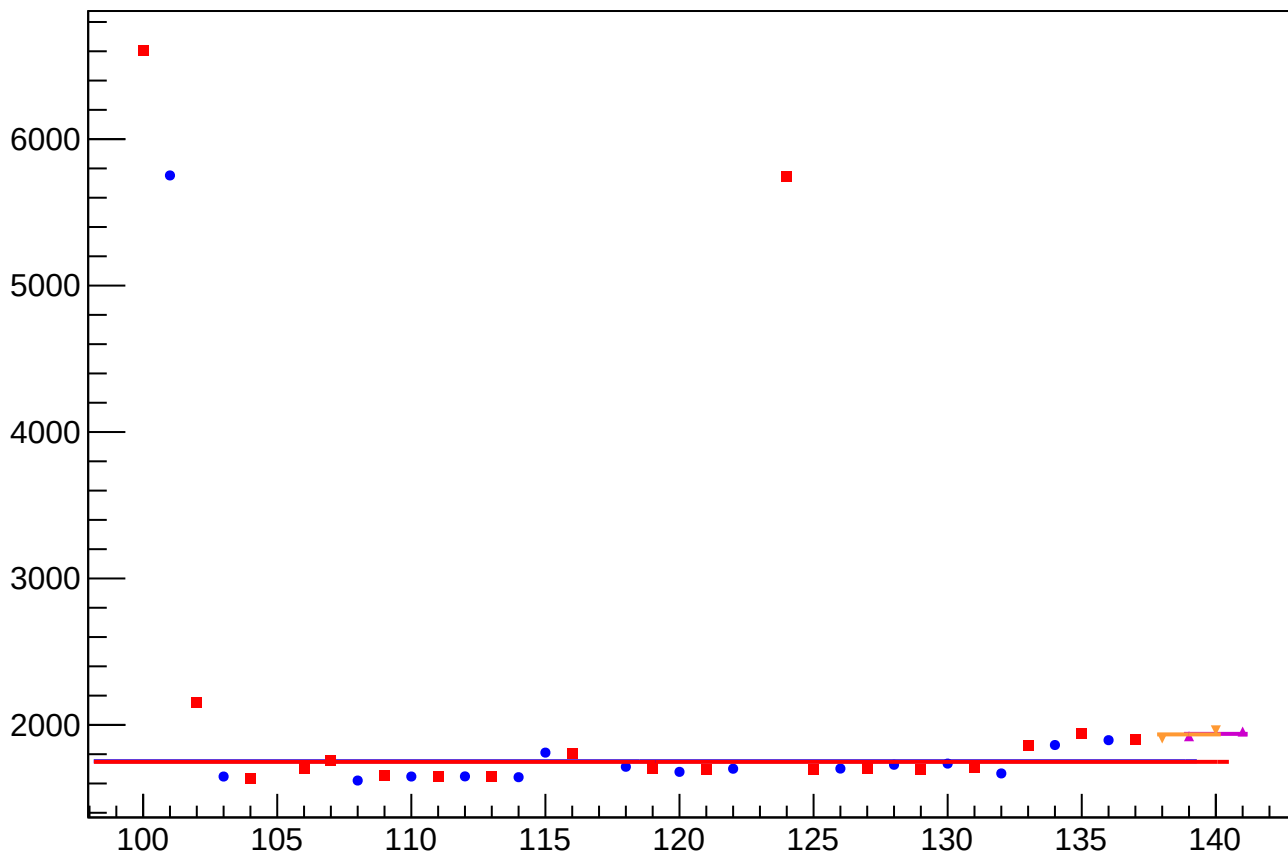
Left In: -3928.008 ± 1473.880 χ^2/NDF : 0.1/1

+ sign 1851.416 ± 611.254 χ^2/NDF : 13.2/17

All: -370.400 ± 428.019 χ^2/NDF : 59.3/38

- sign -2507.846 ± 599.536 χ^2/NDF : 20.2/20

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

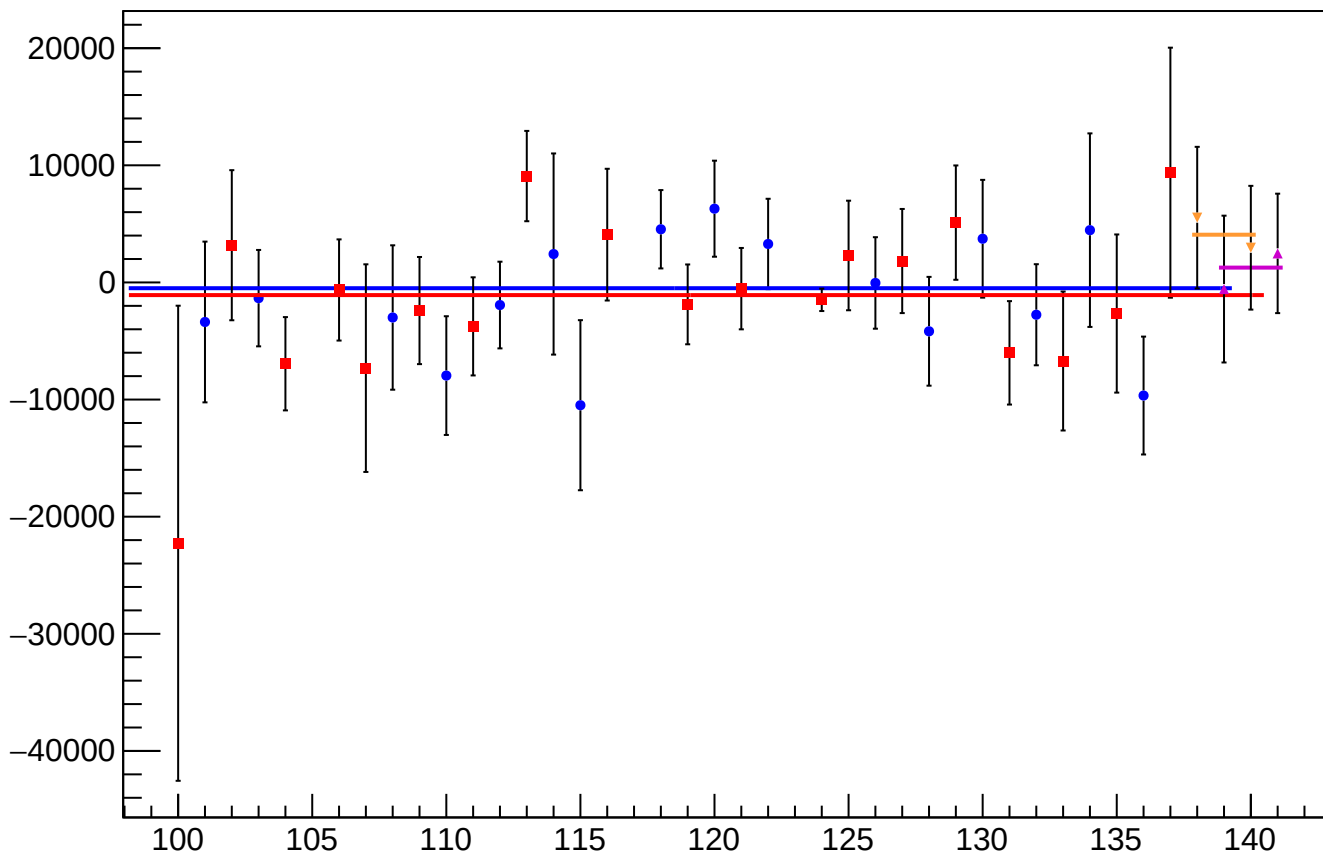
Left In: 1938.811 $\pm$ 1.042 χ^2 /NDF:232.7/1

+ sign 1781.346 $\pm$ 0.432 χ^2 /NDF: 695812.9/17

All: 1780.247 $\pm$ 0.302 χ^2 /NDF: 1022047.6/38

- sign 1779.197 $\pm$ 0.423 χ^2 /NDF: 326222.0/20

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF : 16.0/15

Left Out: 4074.199+/-3978.272 χ^2/NDF : 0.1/1

Right Out: -1080.924+/-731.458 χ^2/NDF : 18.5/18

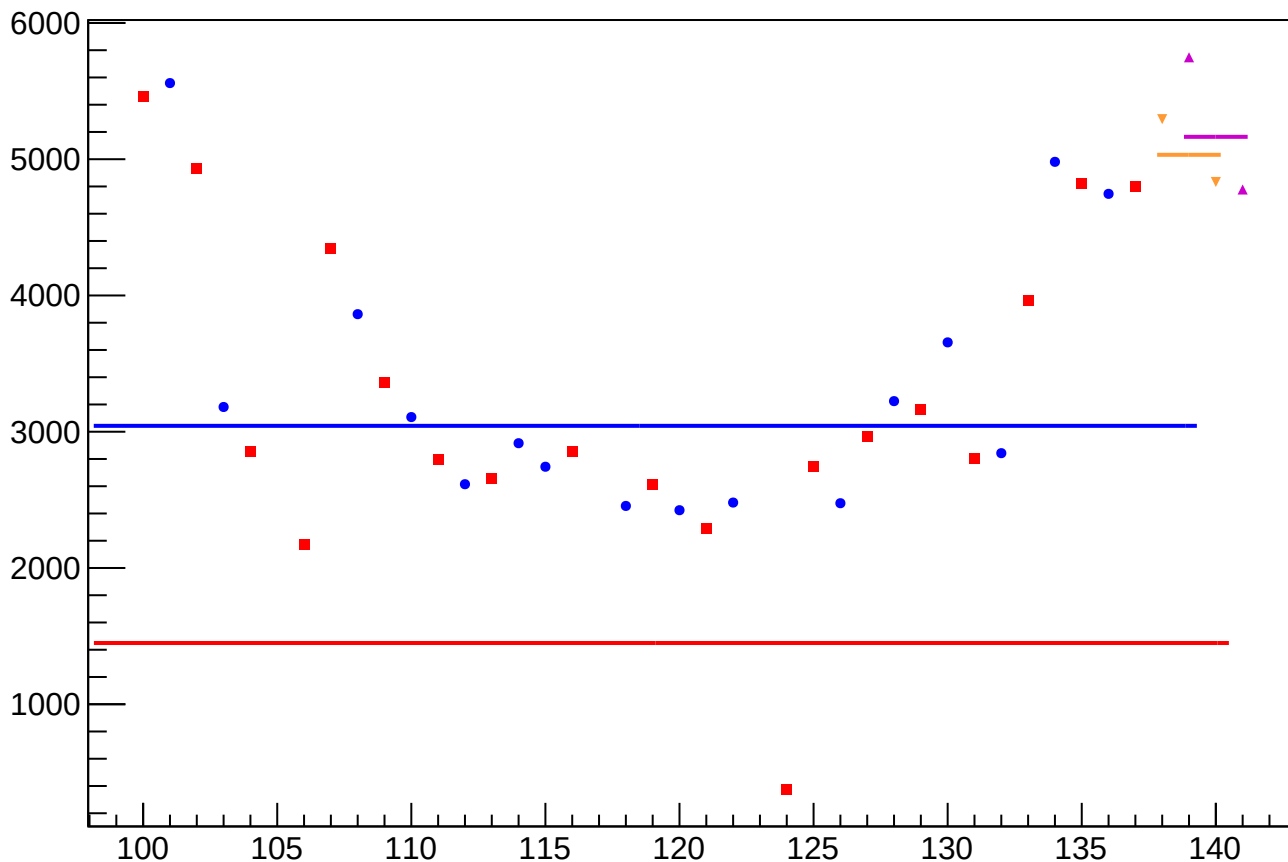
Left In: 1265.611+/-3955.219 χ^2/NDF : 0.1/1

+ sign -127.484+/-1125.323 χ^2/NDF : 17.3/17

All: -749.297+/-606.045 χ^2/NDF : 36.7/38

- sign -1003.325+/-719.262 χ^2/NDF : 18.9/20

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270 $\pm$ 0.830 χ^2 /NDF: 905659.7/15

Left Out: 5032.382 $\pm$ 2.813 χ^2 /NDF:6593.9/1

Right Out: 1449.516 $\pm$ 0.517 χ^2 /NDF: 6825716.5/18

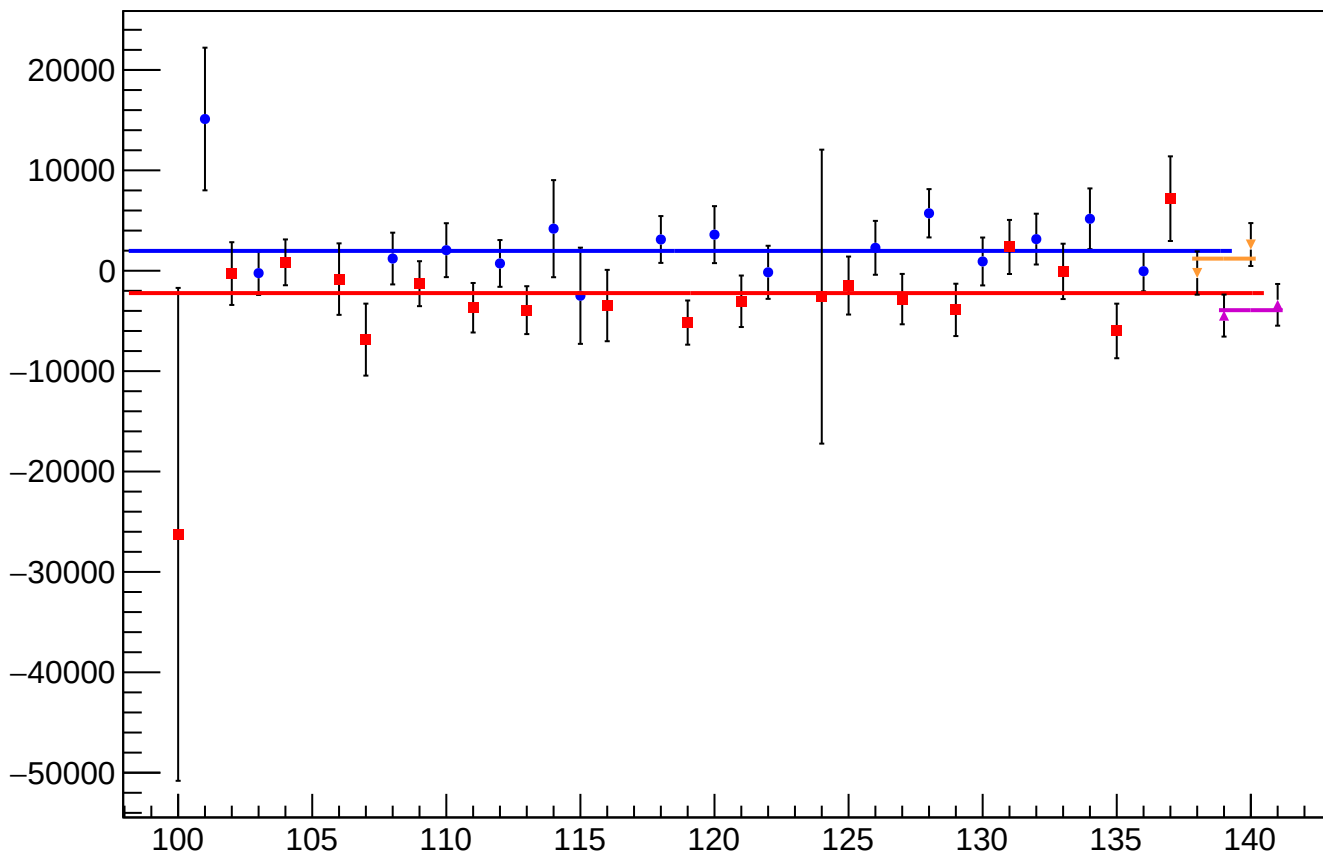
Left In: 5164.327 $\pm$ 2.797 χ^2 /NDF:28843.4/1

+ sign 3202.427 $\pm$ 0.796 χ^2 /NDF: 1372235.3/17

All: 2045.144 $\pm$ 0.429 χ^2 /NDF: 12912044.9/3

- sign 1572.364 $\pm$ 0.509 χ^2 /NDF: 8560475.1/20

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF : 12.1/15

Left Out: 1207.014+/-1518.895 χ^2/NDF : 0.9/1

Right Out: -2226.267+/-656.286 χ^2/NDF : 19.0/18

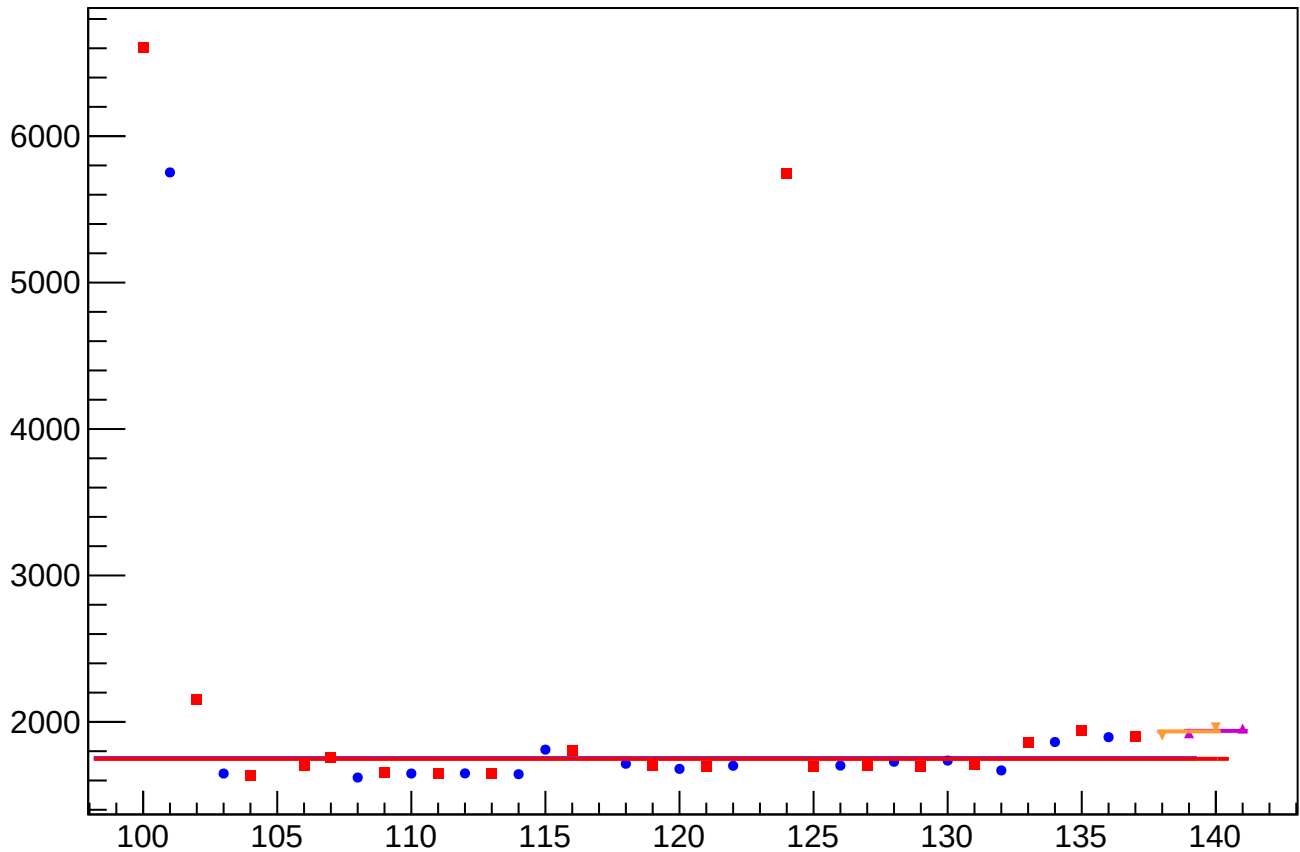
Left In: -3928.008+/-1473.880 χ^2/NDF : 0.1/1

+ sign 1851.416+/-611.254 χ^2/NDF : 13.2/17

All: -370.400+/-428.019 χ^2/NDF : 59.3/38

- sign -2507.846+/-599.536 χ^2/NDF : 20.2/20

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

+ sign 1781.346 $\pm$ 0.432 χ^2 /NDF: 695812.9/17

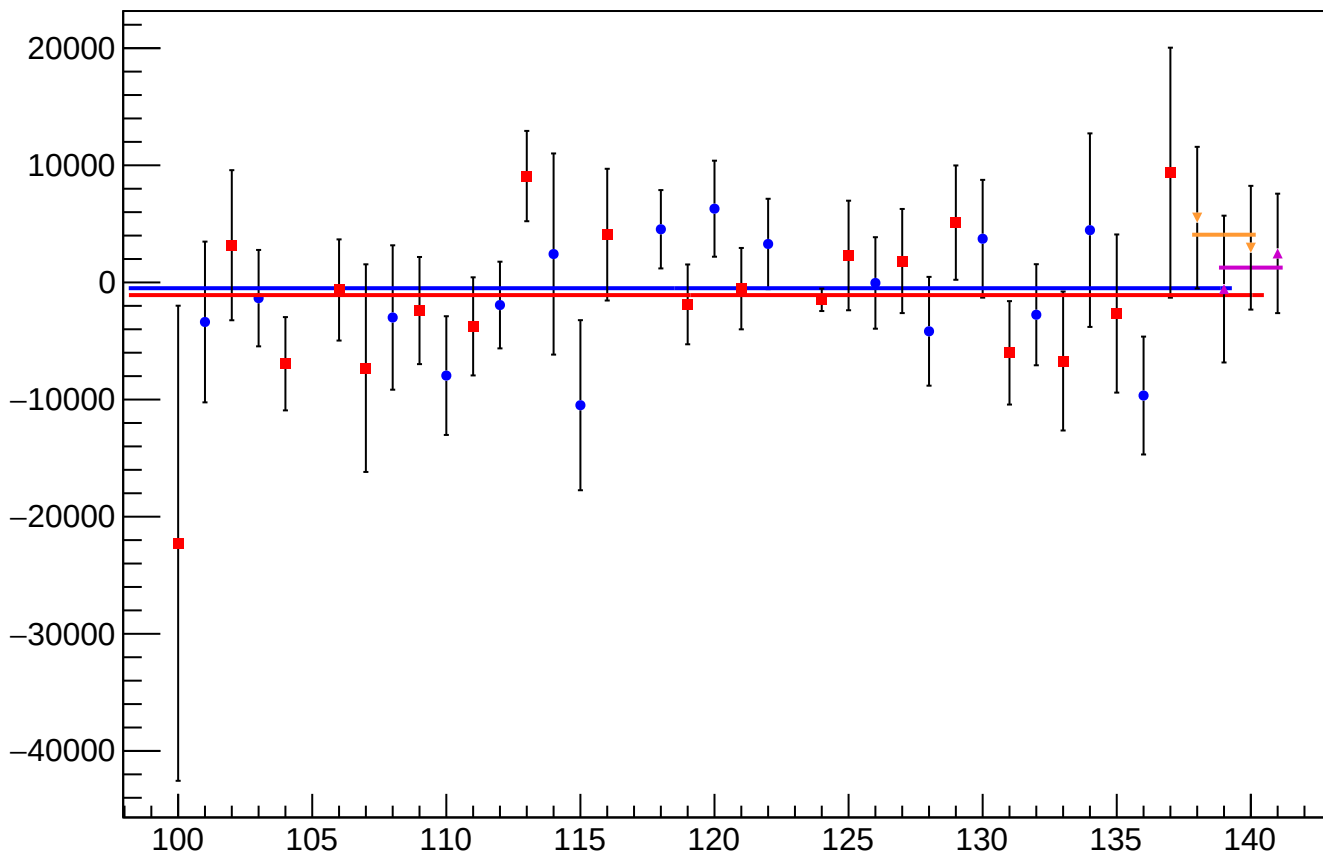
Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

All: 1780.247 $\pm$ 0.302 χ^2 /NDF: 1022047.6/38

- sign 1779.197 $\pm$ 0.423 χ^2 /NDF: 326222.0/20

Left In: 1938.811 $\pm$ 1.042 χ^2 /NDF:232.7/1

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

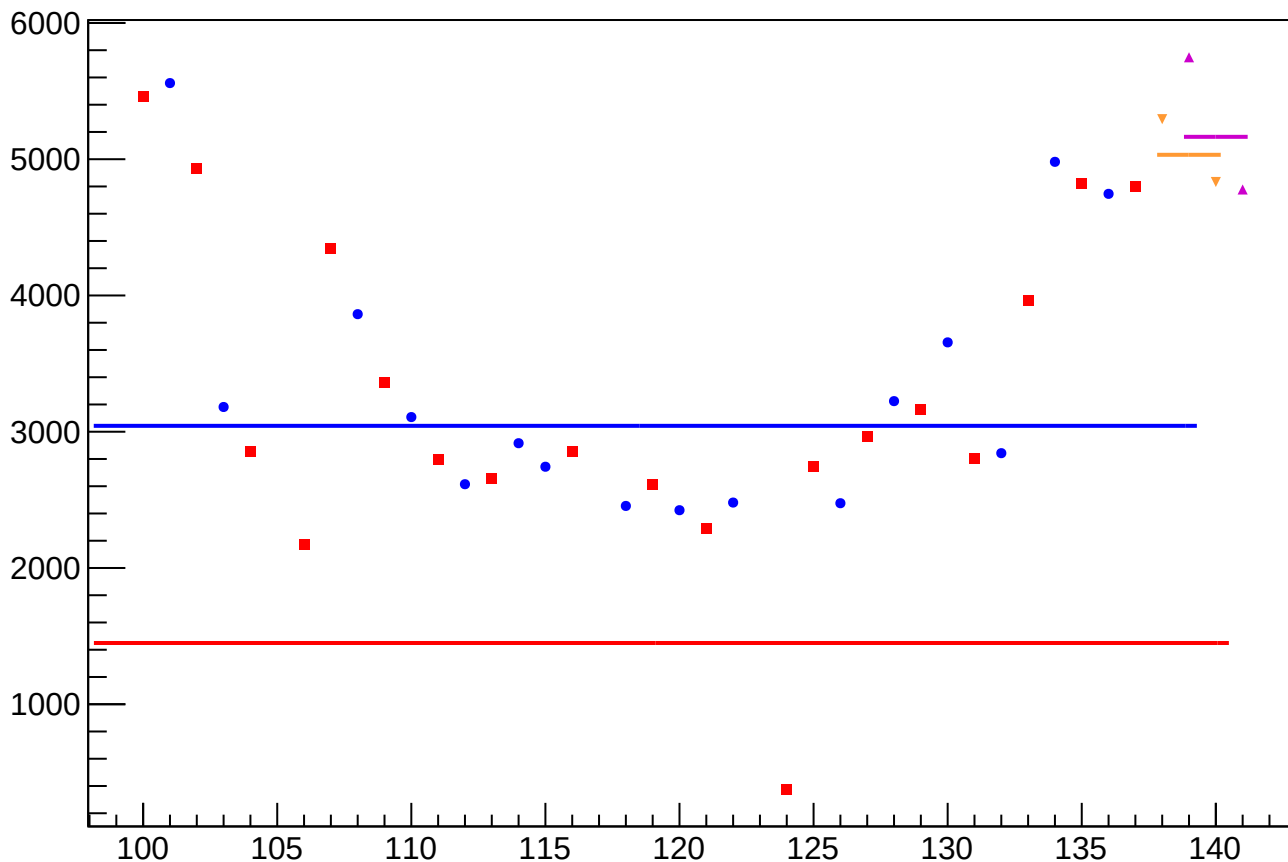
Left In: 1265.611+/-3955.219 χ^2/NDF : 0.1/1

+ sign -127.484+/-1125.323 χ^2/NDF : 17.3/17

All: -749.297+/-606.045 χ^2/NDF : 36.7/38

- sign -1003.325+/-719.262 χ^2/NDF : 18.9/20

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

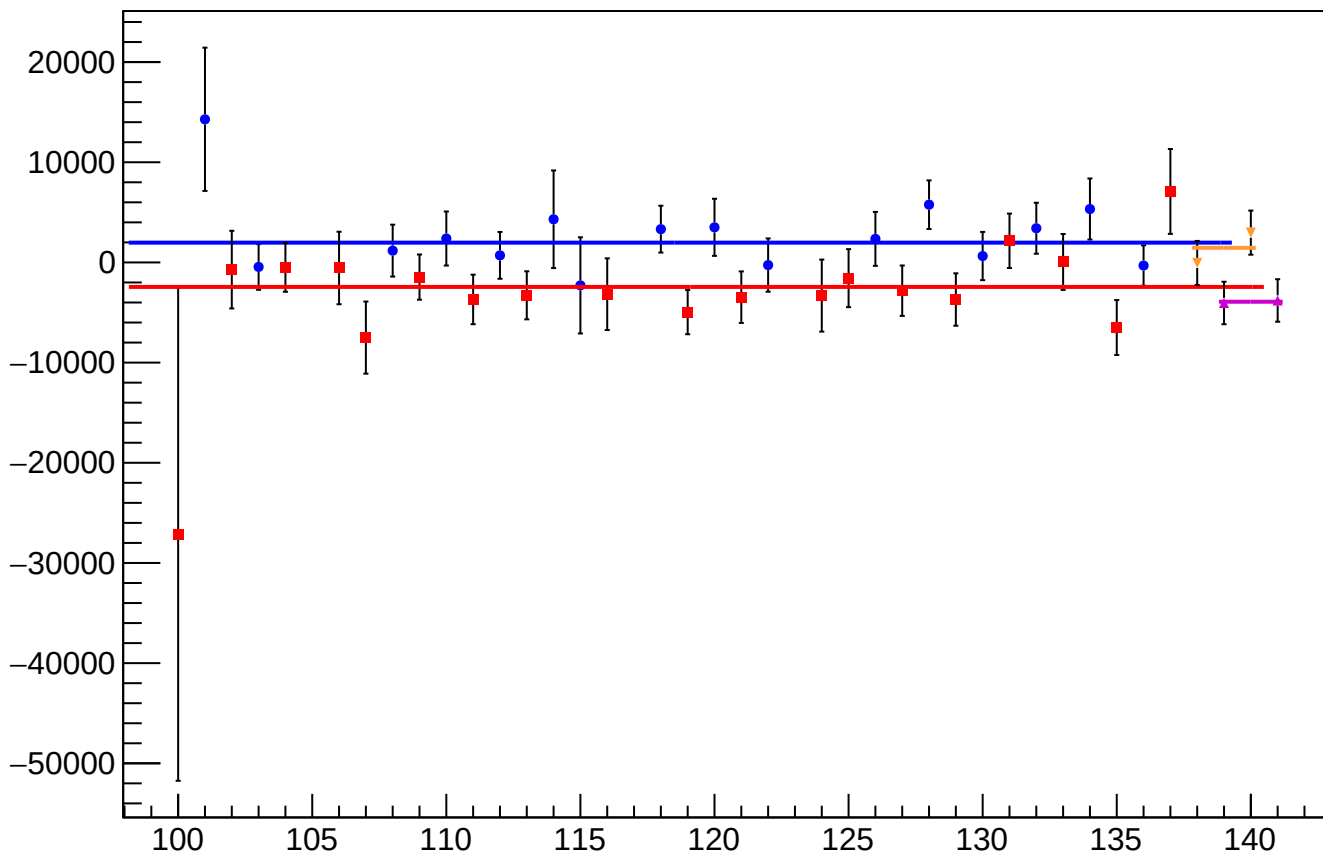
Left In: 5164.327+/-2.797 χ^2/NDF : 28843.4/1

+ sign 3202.427+/-0.796 χ^2/NDF : 1372235.3/17

All: 2045.144+/-0.429 χ^2/NDF : 12912044.9/3

- sign 1572.364+/-0.509 χ^2/NDF : 8560475.1/20

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF : 12.4/15

Left Out: 1459.599+/-1554.888 χ^2/NDF : 0.9/1

Right Out: -2444.199+/-657.682 χ^2/NDF : 17.5/18

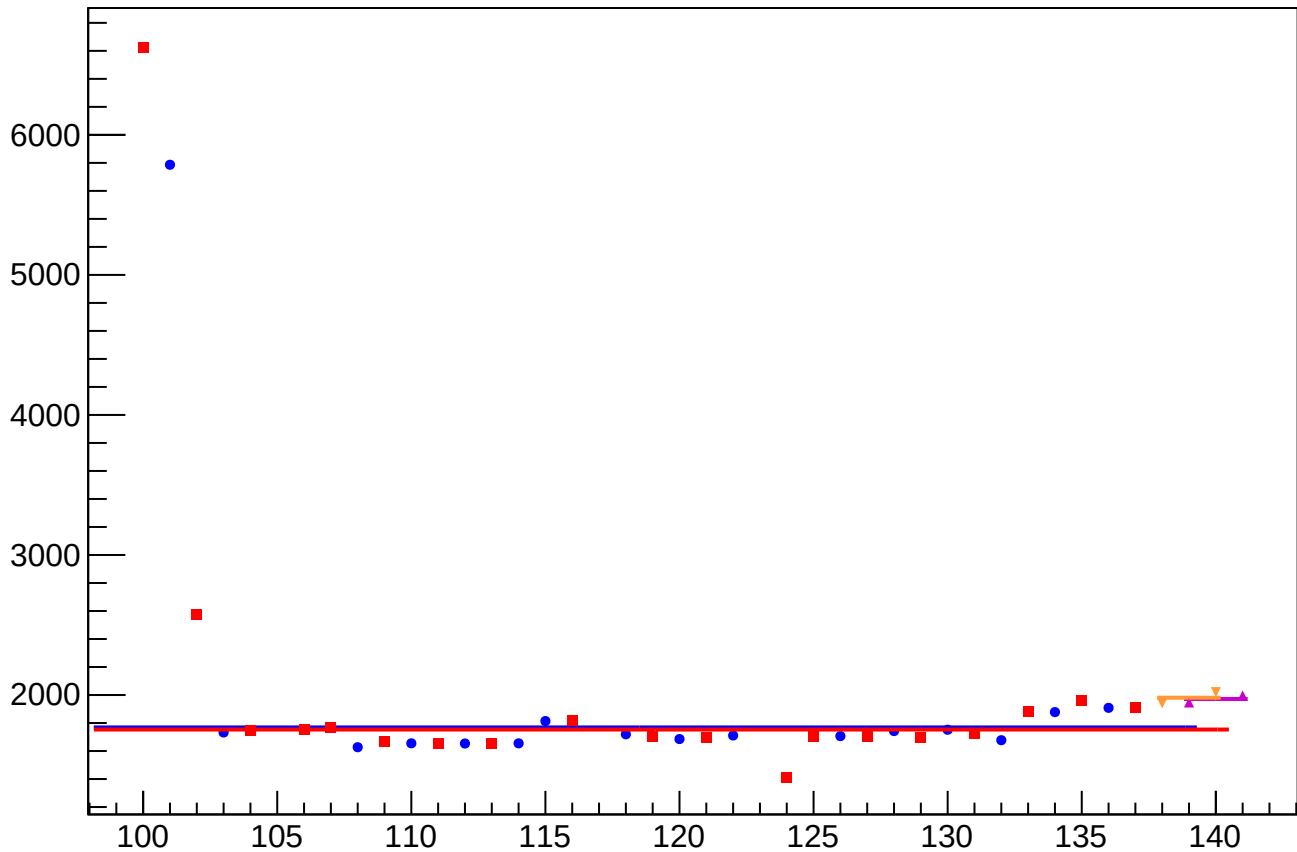
Left In: -3922.599+/-1499.115 χ^2/NDF : 0.0/1

+ sign 1894.135+/-618.468 χ^2/NDF : 13.5/17

All: -455.056+/-431.483 χ^2/NDF : 59.9/38

- sign -2682.819+/-602.272 χ^2/NDF : 18.3/20

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF : 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF :1306.1/1

Right Out: 1753.383+/-0.464 χ^2/NDF : 218864.4/18

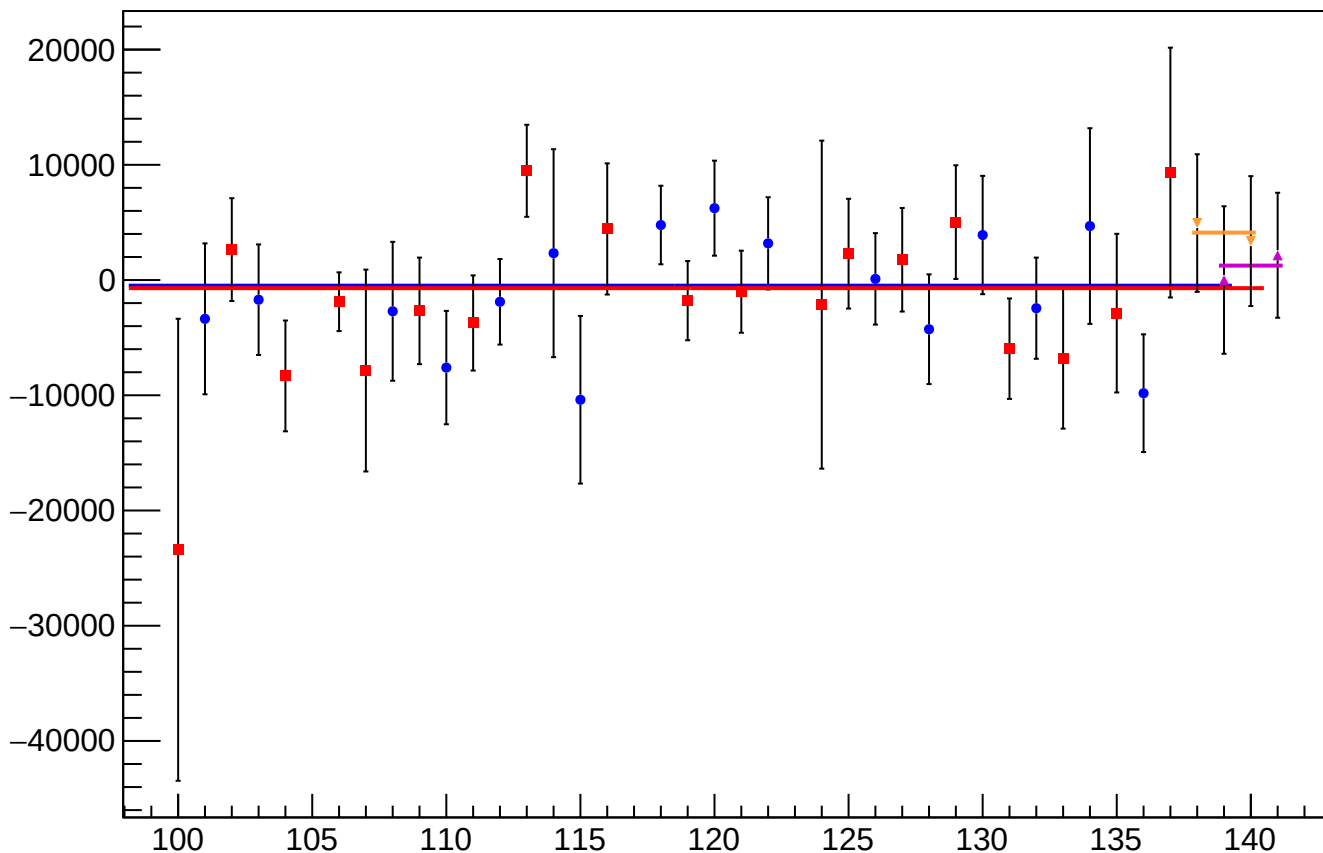
Left In: 1971.699+/-1.060 χ^2/NDF :548.8/1

+ sign 1802.066+/-0.437 χ^2/NDF : 700056.4/17

All: 1795.069+/-0.305 χ^2/NDF : 955567.8/38

- sign 1788.463+/-0.425 χ^2/NDF : 255013.7/20

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF : 15.8/15

Left Out: 4118.763+/-4098.653 χ^2/NDF : 0.0/1

Right Out: -703.324+/-1069.467 χ^2/NDF : 18.8/18

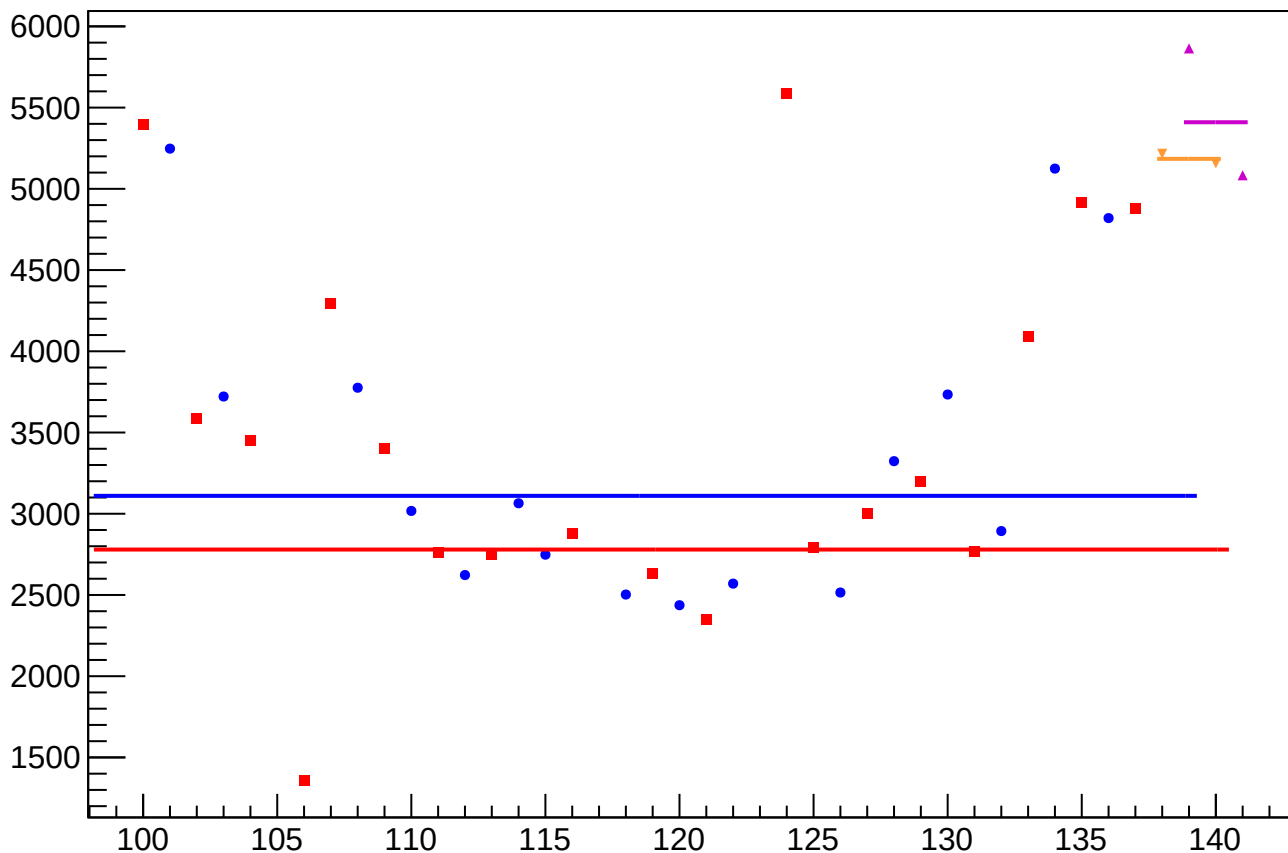
Left In: 1253.414+/-4137.760 χ^2/NDF : 0.1/1

+ sign -125.217+/-1150.334 χ^2/NDF : 17.0/17

All: -376.885+/-769.590 χ^2/NDF : 36.2/38

- sign -580.791+/-1035.440 χ^2/NDF : 19.1/20

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF : 883262.4/15

Left Out: 5184.666+/-2.898 χ^2/NDF :103.8/1

Right Out: 2779.630+/-0.756 χ^2/NDF : 1348141.7/18

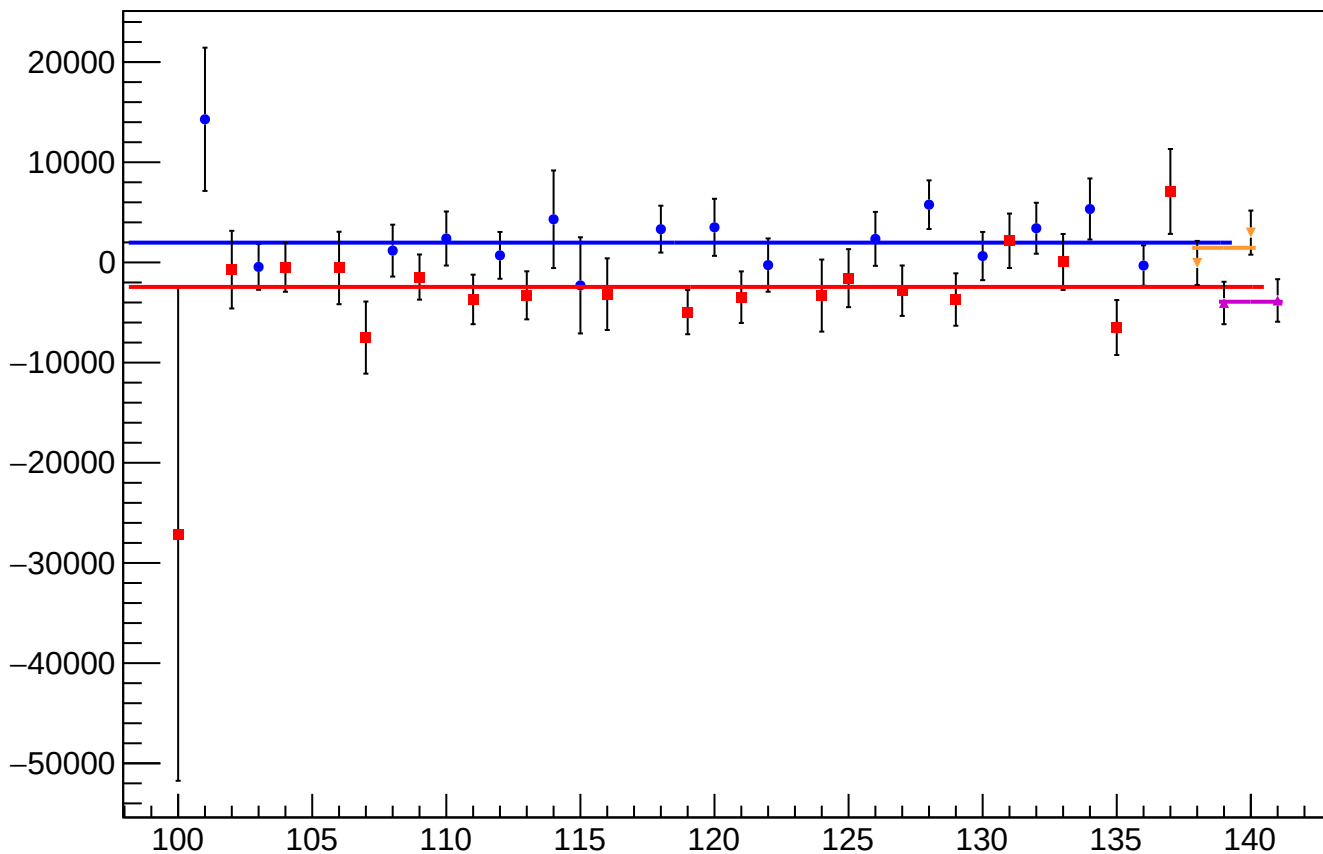
Left In: 5409.893+/-2.926 χ^2/NDF :17329.0/1

+ sign 3273.545+/-0.813 χ^2/NDF : 1355381.6/17

All: 3091.686+/-0.544 χ^2/NDF : 3568892.0/38

- sign 2944.340+/-0.732 χ^2/NDF : 2123023.5/20

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF : 12.4/15

Left Out: 1459.609+/-1554.889 χ^2/NDF : 0.9/1

Right Out: -2444.199+/-657.682 χ^2/NDF : 17.5/18

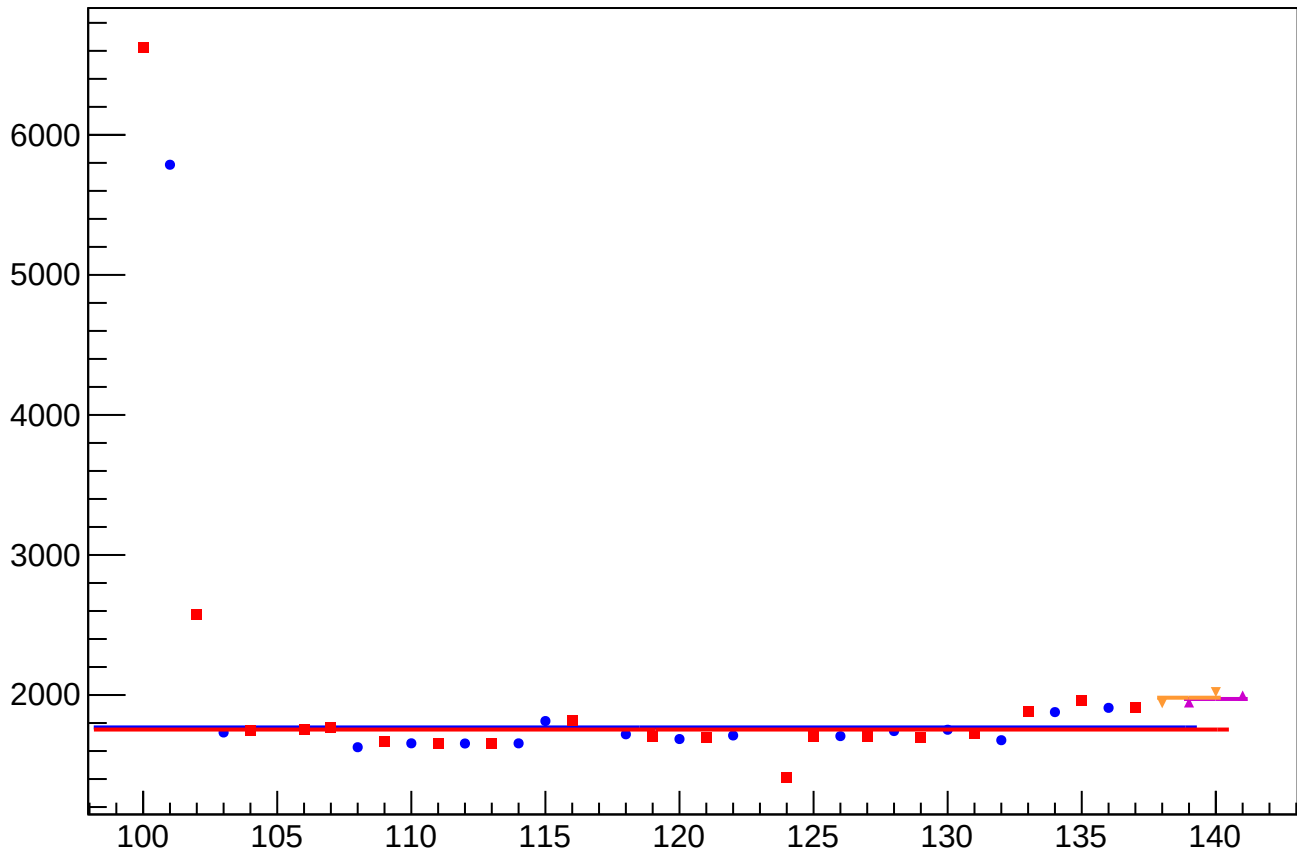
Left In: -3922.594+/-1499.116 χ^2/NDF : 0.0/1

+ sign 1894.137+/-618.468 χ^2/NDF : 13.5/17

All: -455.055+/-431.483 χ^2/NDF : 59.9/38

- sign -2682.818+/-602.272 χ^2/NDF : 18.3/20

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF : 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF :1306.1/1

+ sign 1802.067+/-0.437 χ^2/NDF : 700056.6/17

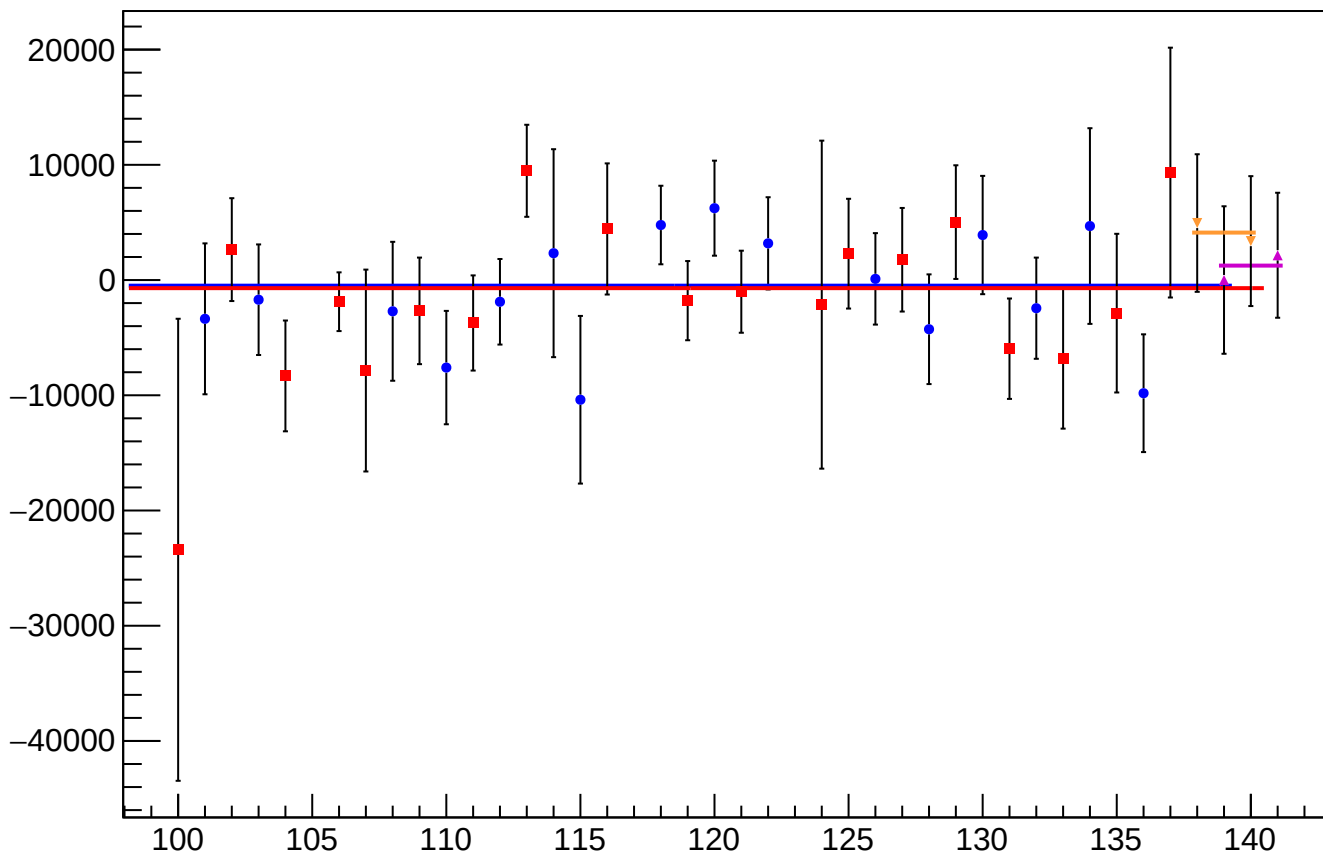
Right Out: 1753.382+/-0.464 χ^2/NDF : 218864.3/18

All: 1795.069+/-0.305 χ^2/NDF : 955568.4/38

- sign 1788.463+/-0.425 χ^2/NDF : 255014.0/20

Left In: 1971.700+/-1.060 χ^2/NDF :548.8/1

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

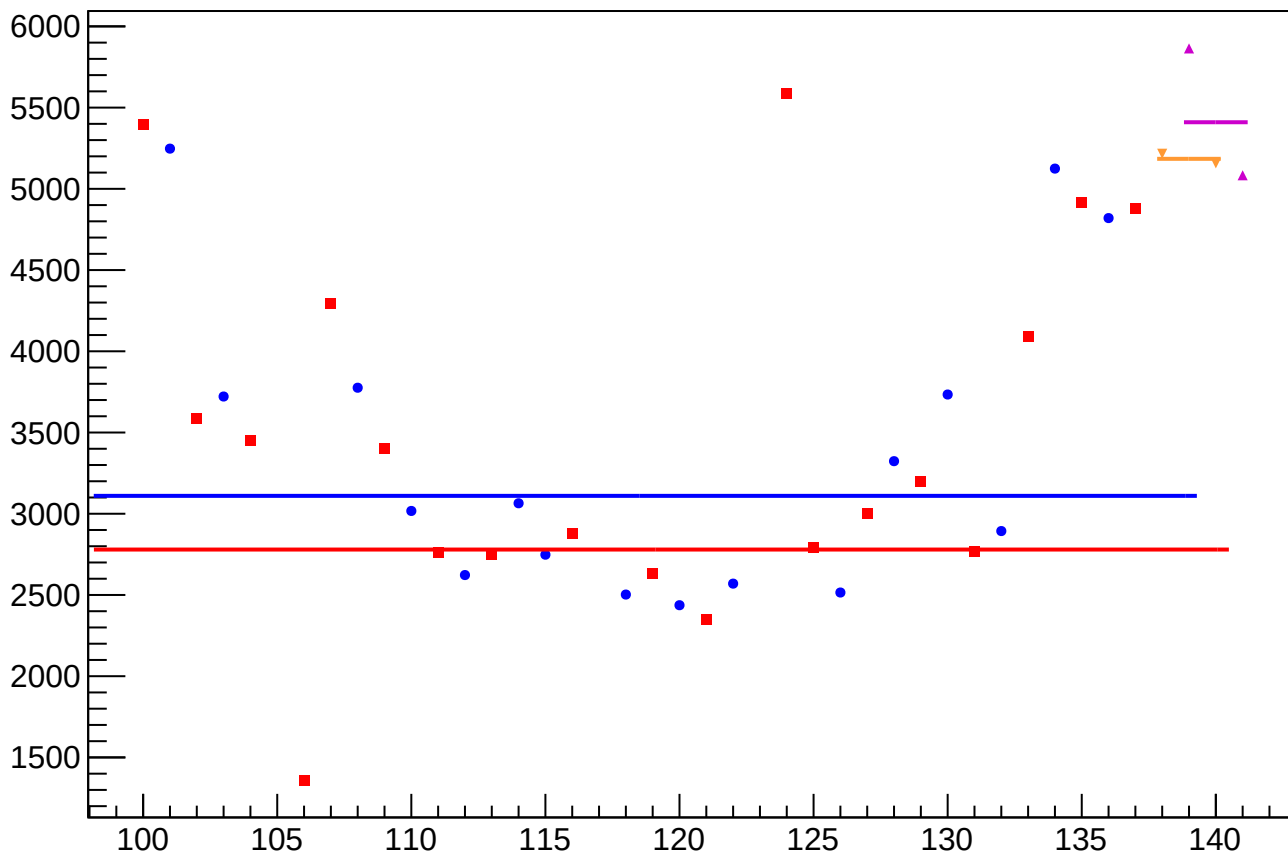
Left In: 1253.417 ± 4137.769 χ^2/NDF : 0.1/1

+ sign -125.215 ± 1150.331 χ^2/NDF : 17.0/17

All: -376.886 ± 769.588 χ^2/NDF : 36.2/38

- sign -580.794 ± 1035.437 χ^2/NDF : 19.1/20

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF : 883272.2/15

Left Out: 5184.678+/-2.898 χ^2/NDF : 103.9/1

+ sign 3273.534+/-0.813 χ^2/NDF : 1355400.3/17

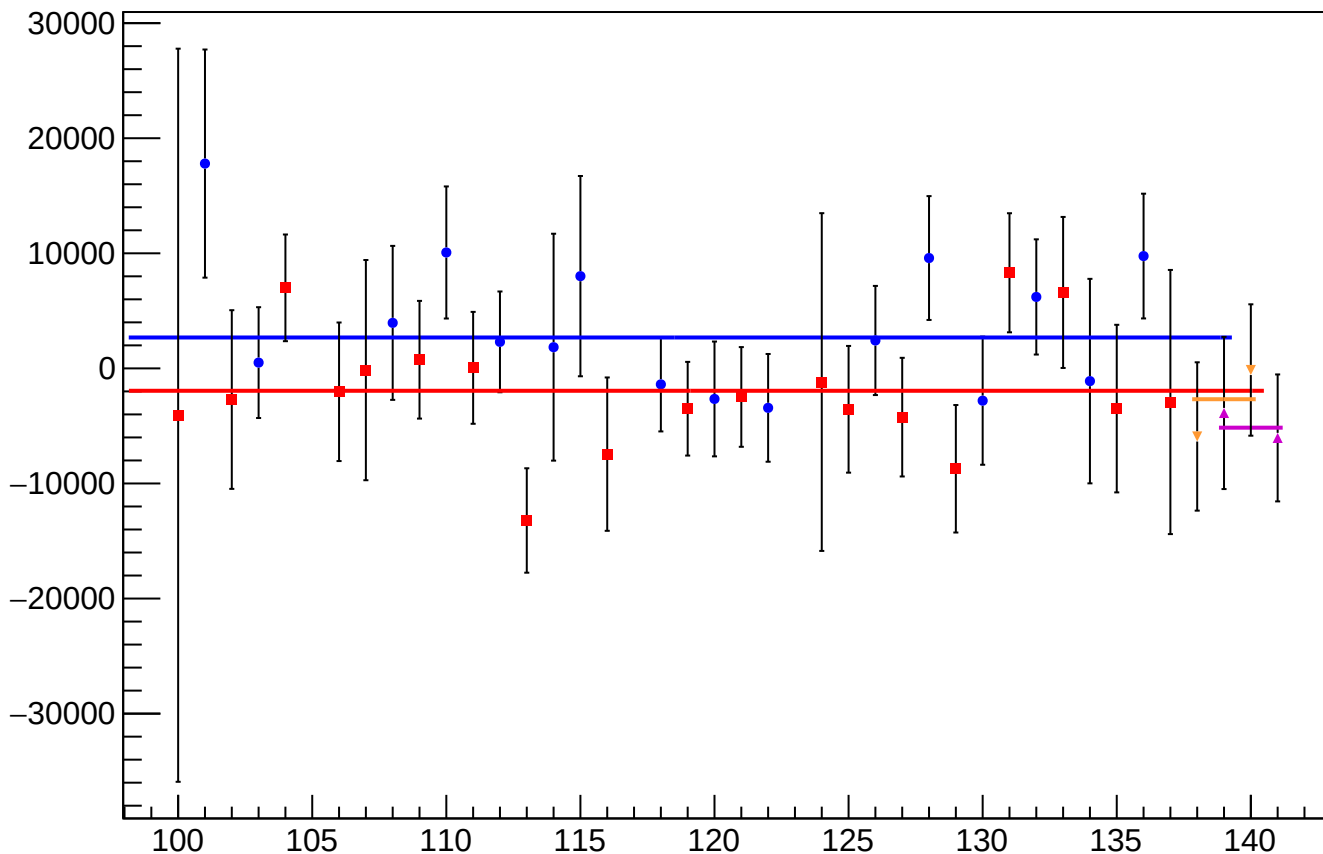
Right Out: 2779.617+/-0.756 χ^2/NDF : 1348160.7/18

All: 3091.673+/-0.544 χ^2/NDF : 3568943.4/38

- sign 2944.326+/-0.732 χ^2/NDF : 2123054.4/20

Left In: 5409.904+/-2.926 χ^2/NDF : 17329.4/1

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

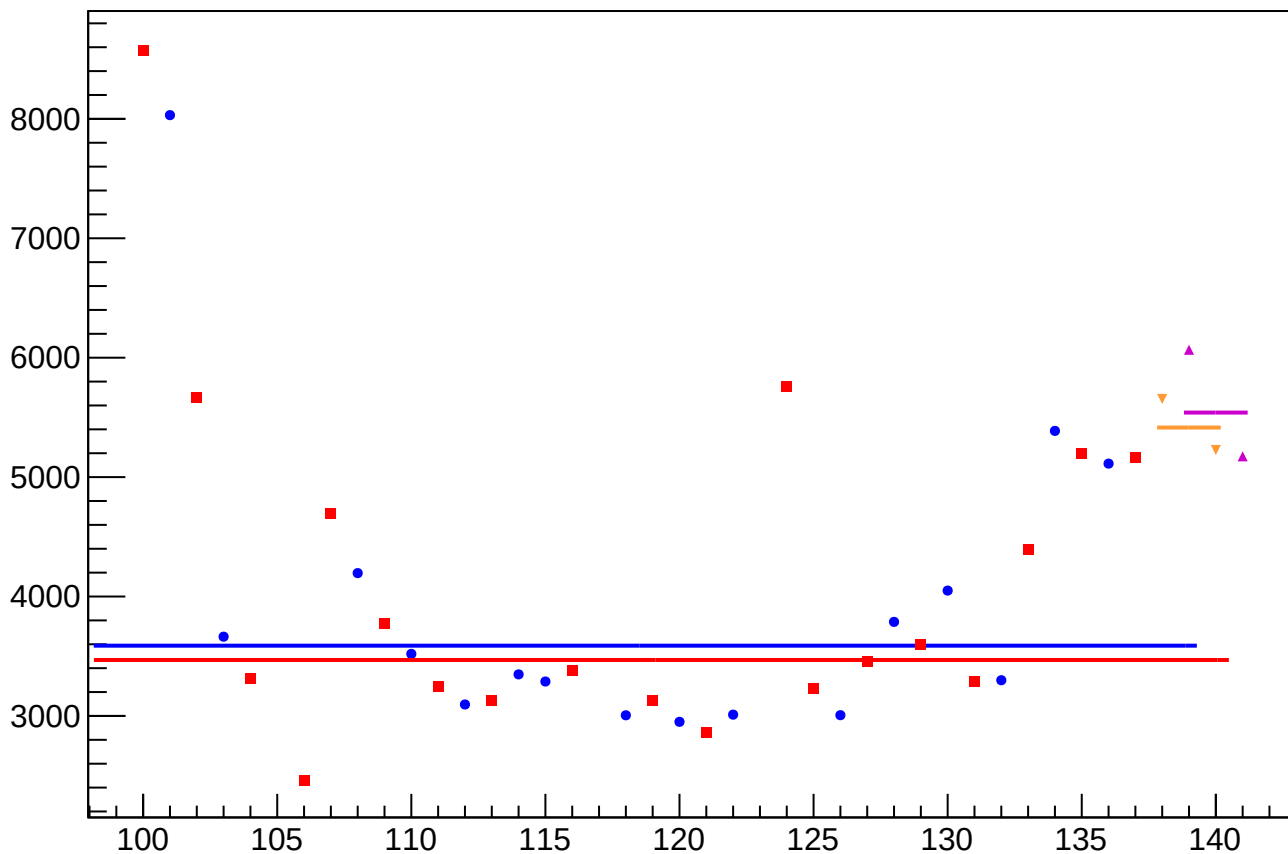
Left In: -5152.388 $\pm$ 4235.628 χ^2 /NDF:0.1/1

+ sign 2178.866 $\pm$ 1313.141 χ^2 /NDF: 15.3/17

All: -98.974 $\pm$ 913.455 χ^2 /NDF: 40.4/38

- sign -2234.660 $\pm$ 1271.507 χ^2 /NDF: 19.3/20

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF : 845218.6/15

Left Out: 5414.988+/-3.022 χ^2/NDF : 4932.6/1

+ sign 3760.907+/-0.929 χ^2/NDF : 1181050.2/17

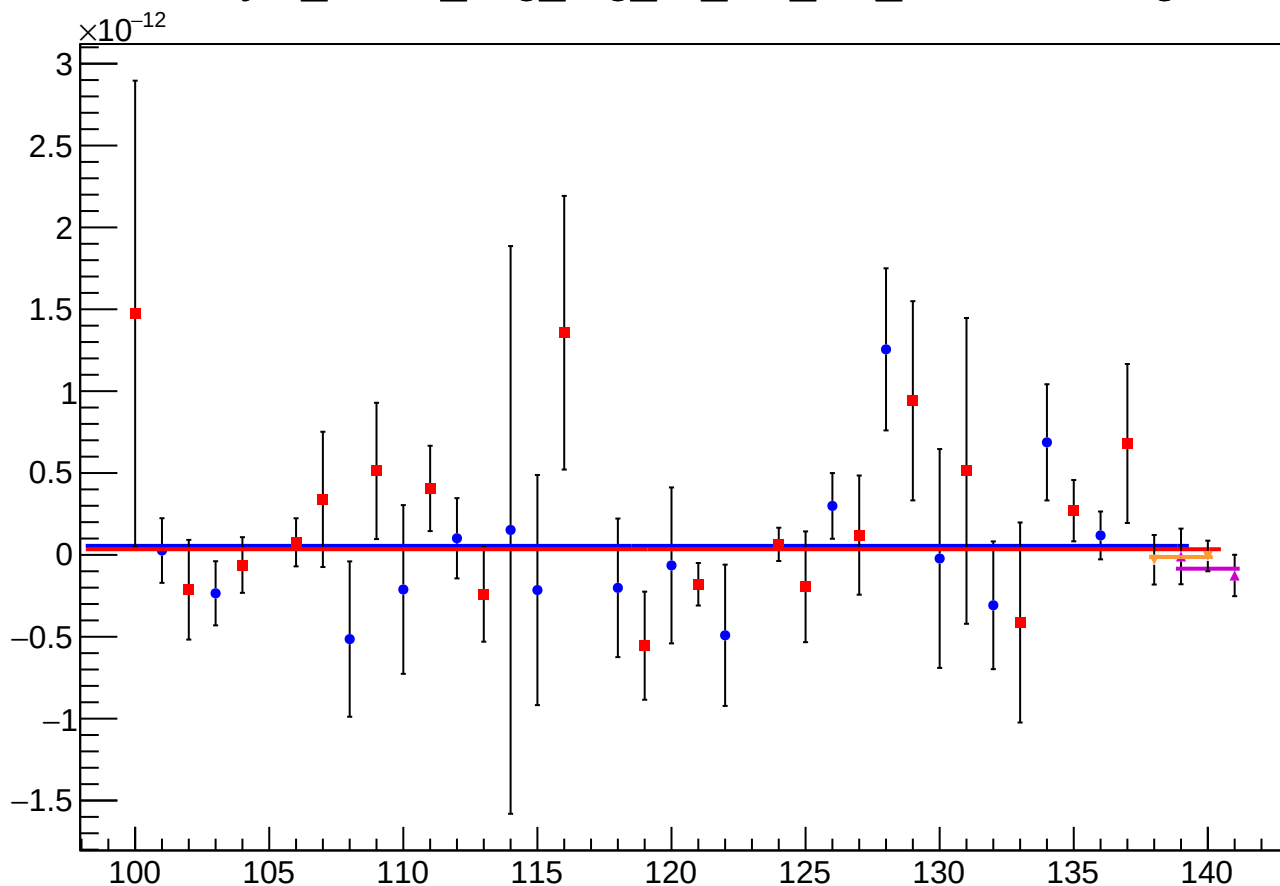
Right Out: 3468.624+/-0.928 χ^2/NDF : 666541.5/18

All: 3702.997+/-0.641 χ^2/NDF : 2313088.7/38

- sign 3650.194+/-0.887 χ^2/NDF : 1124602.3/20

Left In: 5540.454+/-2.995 χ^2/NDF : 21474.8/1

asym_atr1l2_avg_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: 0.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

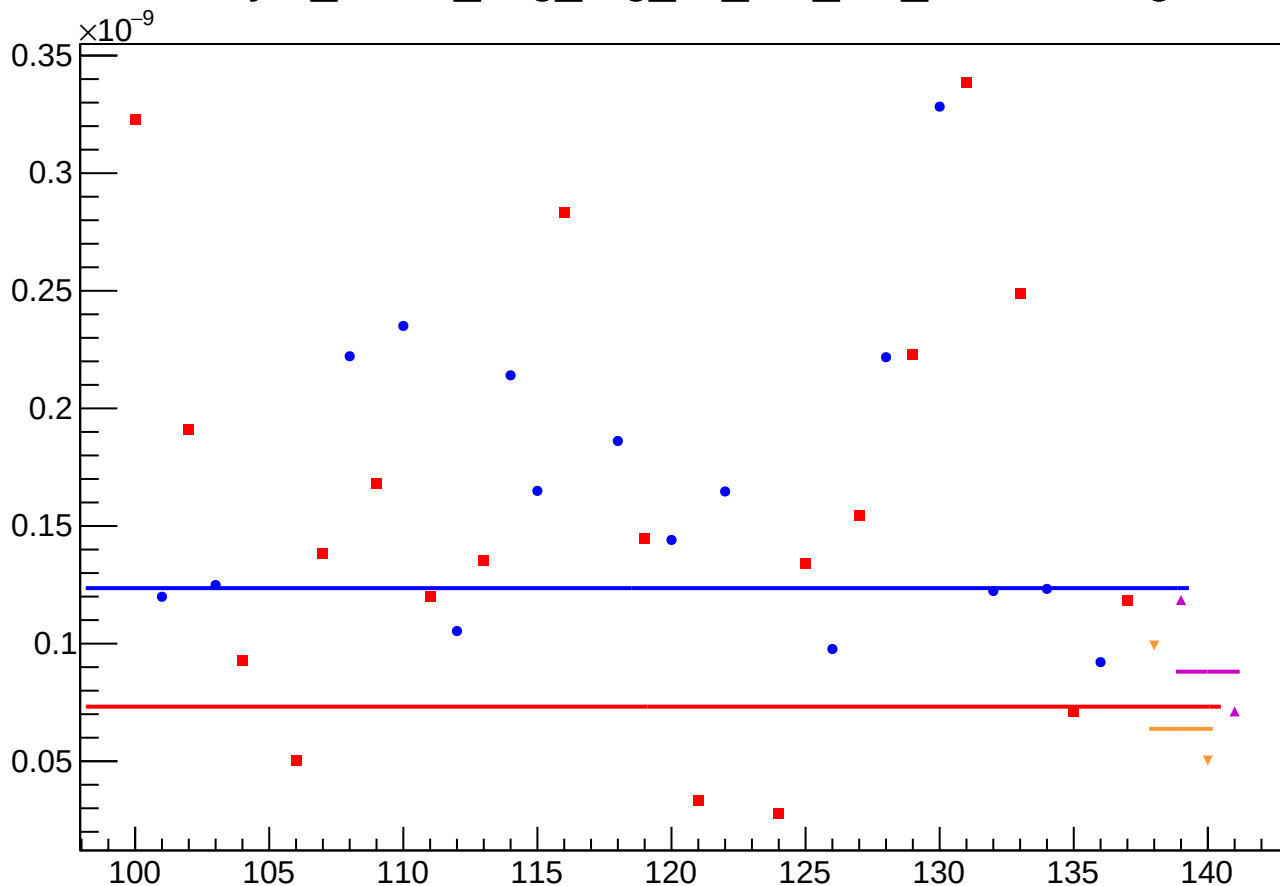
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/20

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 : 218857.9/18

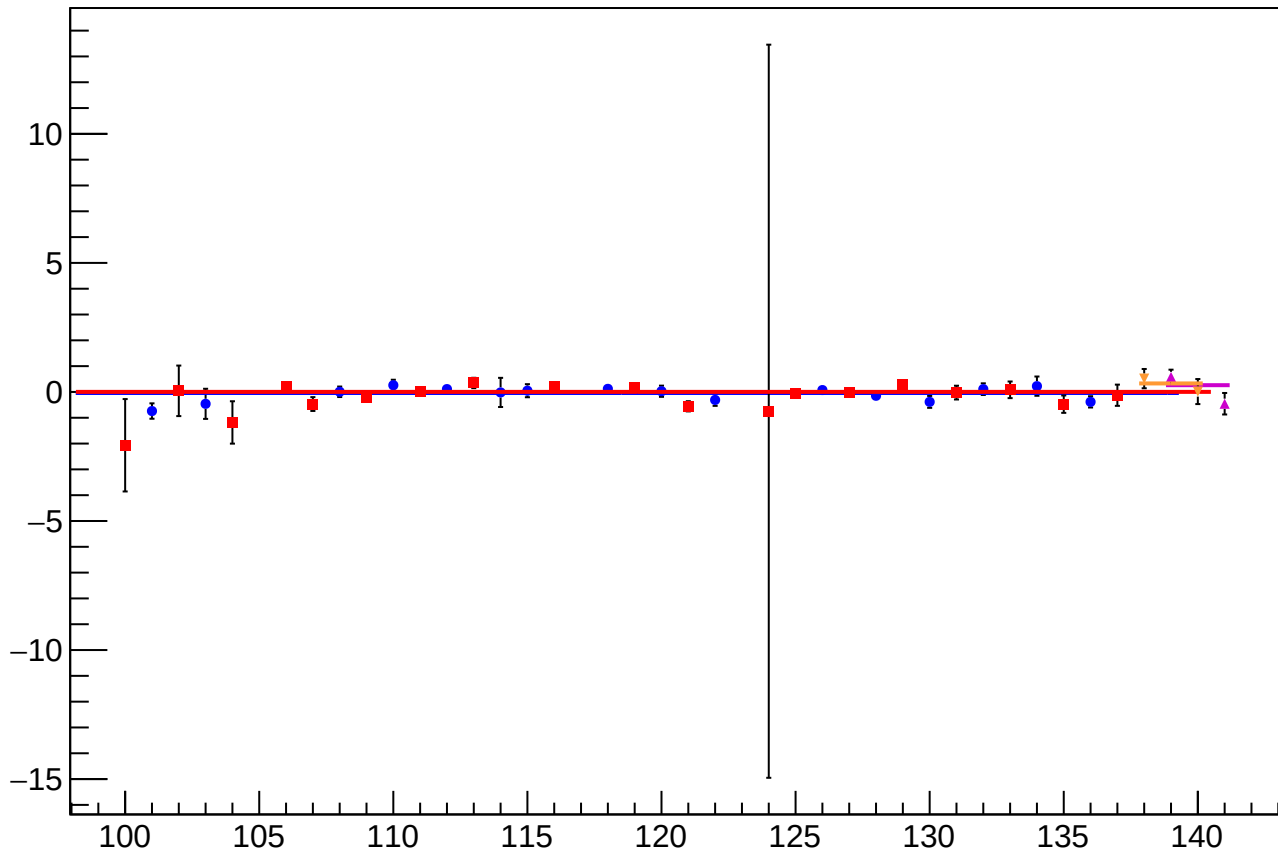
Left In: 0.000+/-0.000 χ^2/NDF :100163.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 1426778.1/17

All: 0.000+/-0.000 χ^2/NDF : 3901708.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2322758.3/20

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: 0.330 ± 0.296 χ^2/NDF : 0.7/1

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

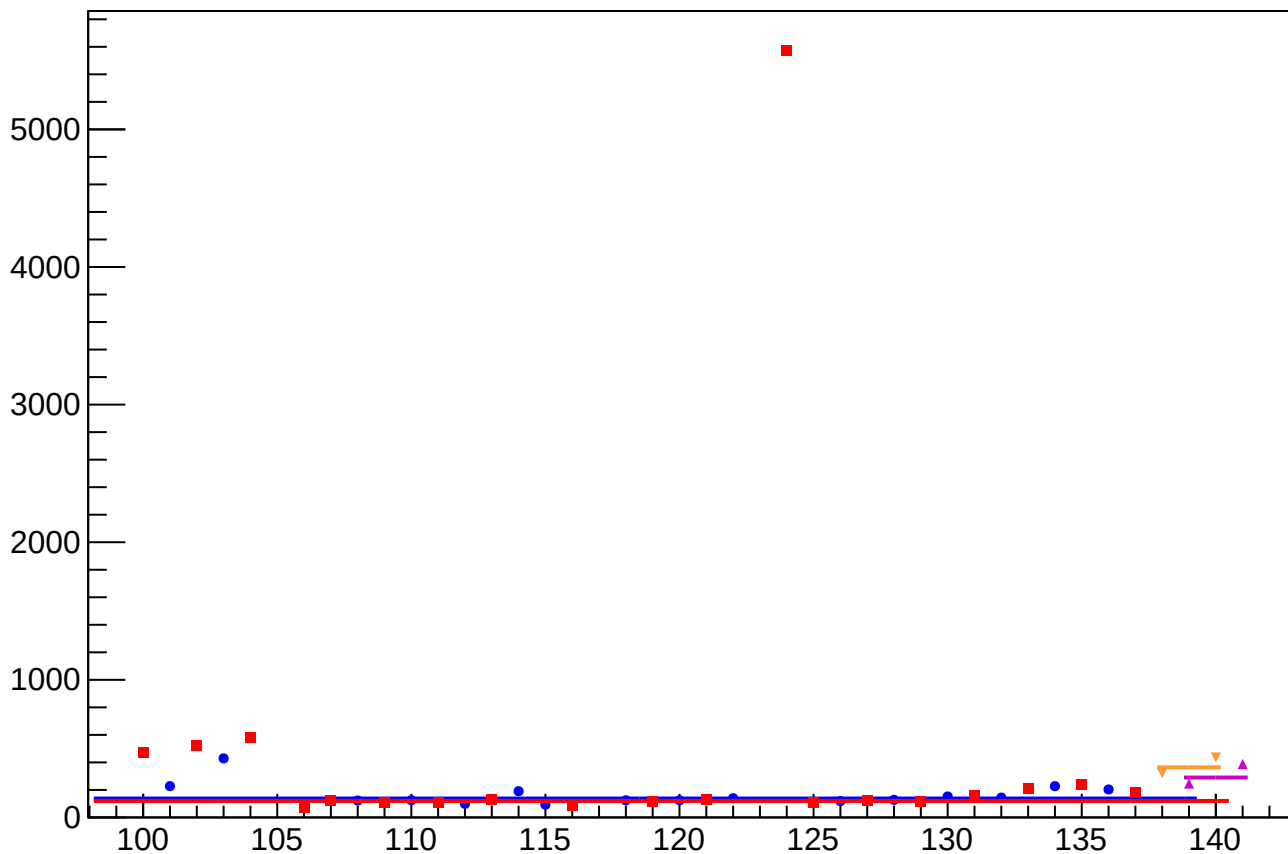
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.004 ± 0.037 χ^2/NDF : 54.6/38

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

asym atr1l2 avg dit vs cor diff rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF : 1268257.0/15

Left Out: 364.283+/-0.209 χ^2/NDF :68914.1/1

Right Out: 120.006 ± 0.036 χ^2/NDF : 2139894.0/18

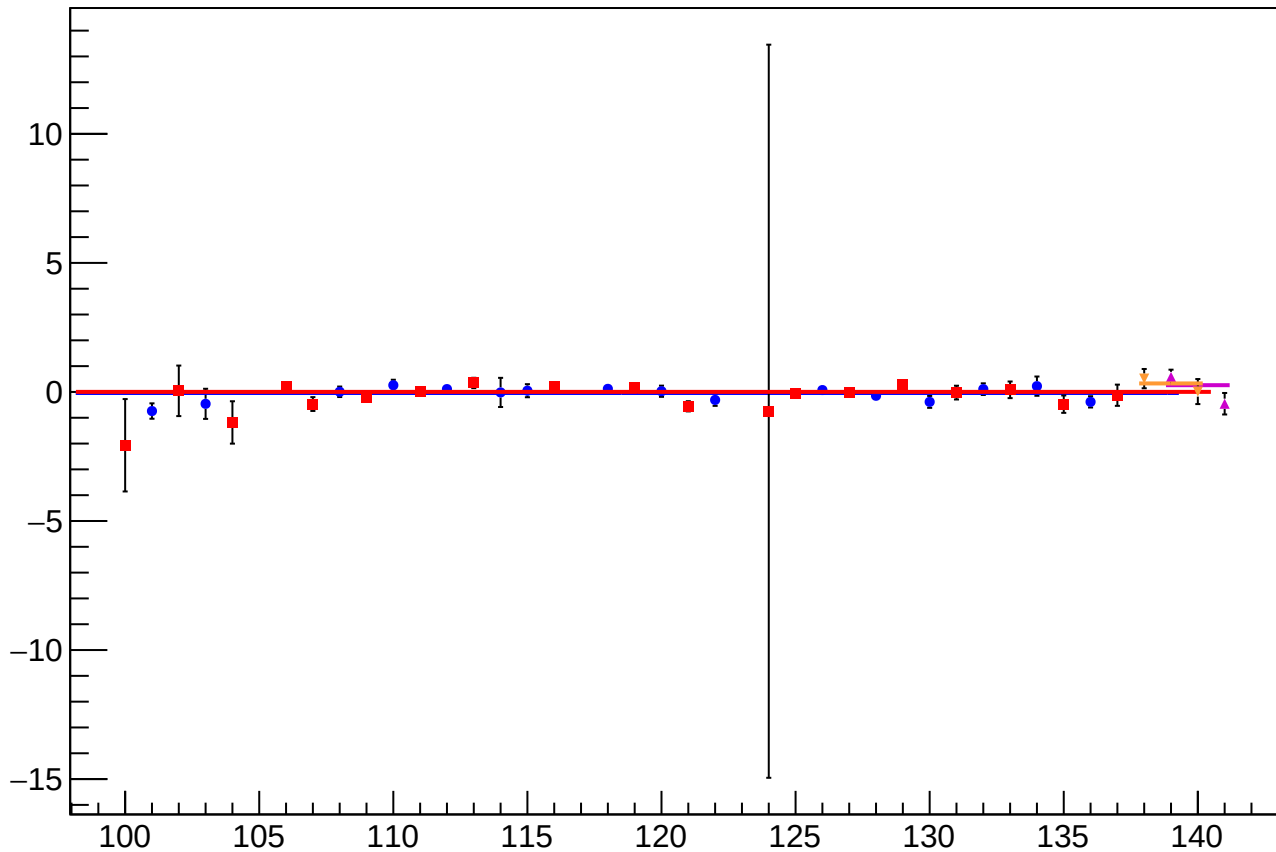
Left In: 289.991+/-0.164 χ^2/NDF :160020.7/1

+ sign 145.199+/-0.039 χ^2/NDF : 2473016.4/17

All: 135.671 ± 0.026 $\chi^2/\text{NDF}: 5909362.5/38$

- sign 127.836+/-0.035 χ^2/NDF : 3326379.9/20

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: 0.330 ± 0.296 χ^2/NDF : 0.7/1

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

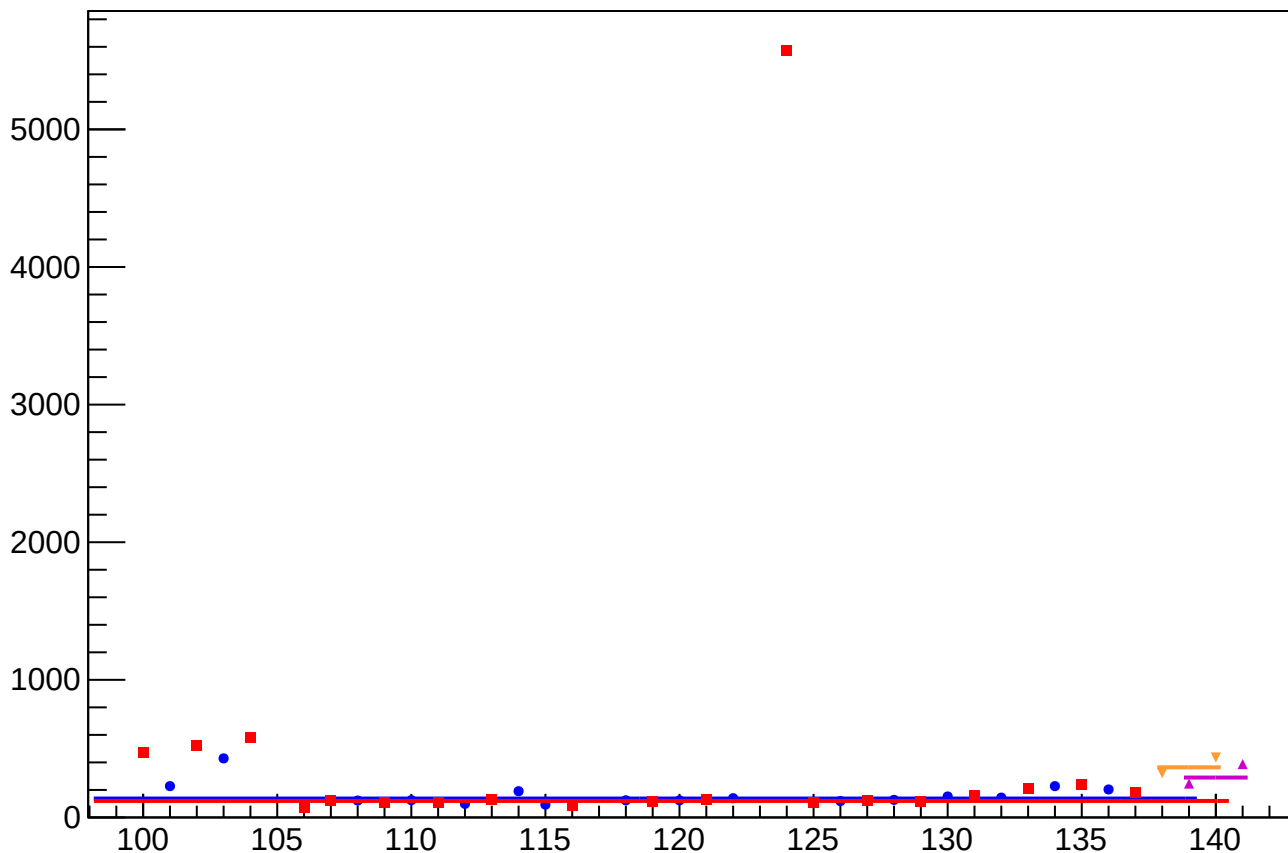
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.004 ± 0.037 χ^2/NDF : 54.6/38

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF : 1268257.0/15

Left Out: 364.283+/-0.209 χ^2/NDF : 68914.1/1

Right Out: 120.006+/-0.036 χ^2/NDF : 2139894.0/18

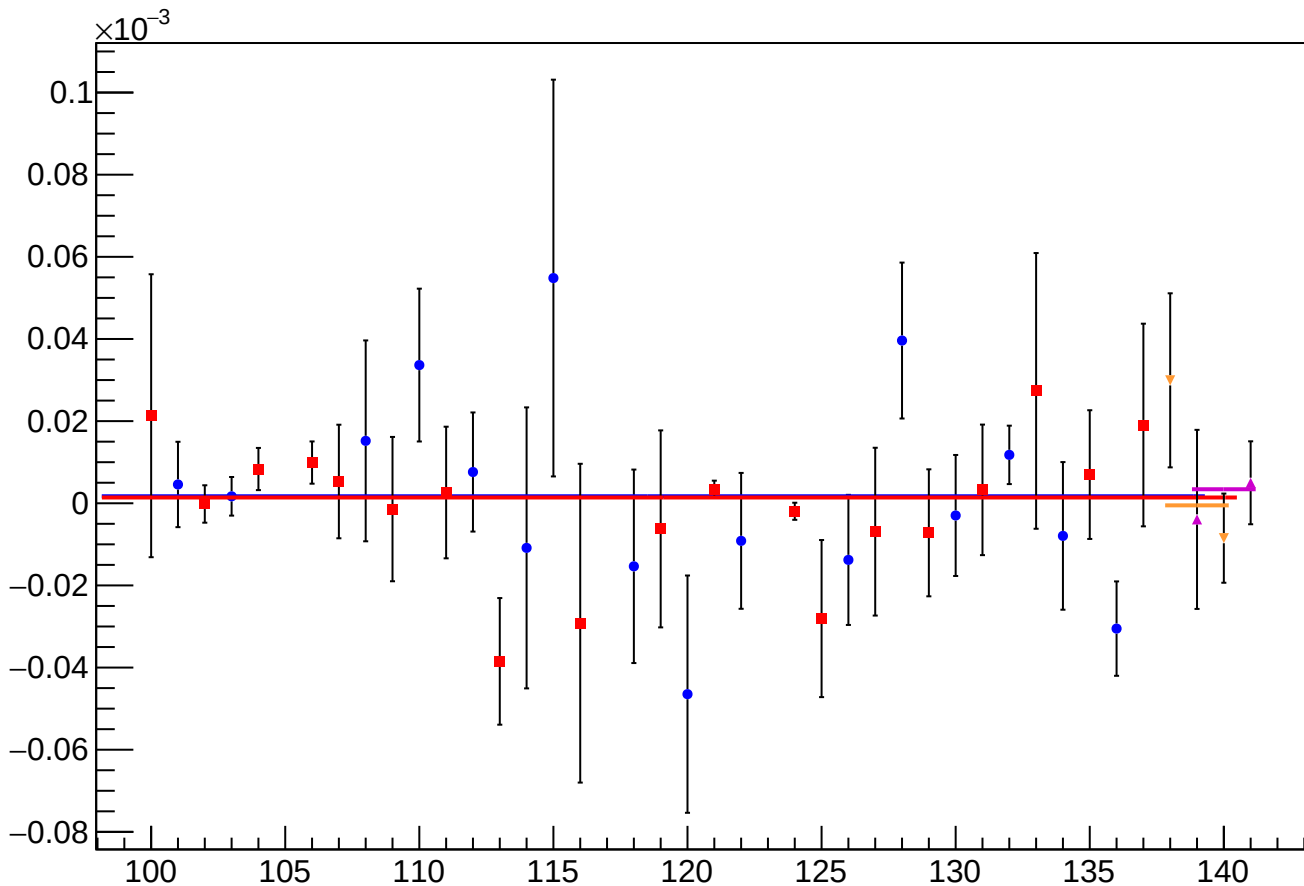
Left In: 289.991+/-0.164 χ^2/NDF : 160020.7/1

+ sign 145.199+/-0.039 χ^2/NDF : 2473016.4/17

All: 135.671+/-0.026 χ^2/NDF : 5909362.5/38

- sign 127.836+/-0.035 χ^2/NDF : 3326379.9/20

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

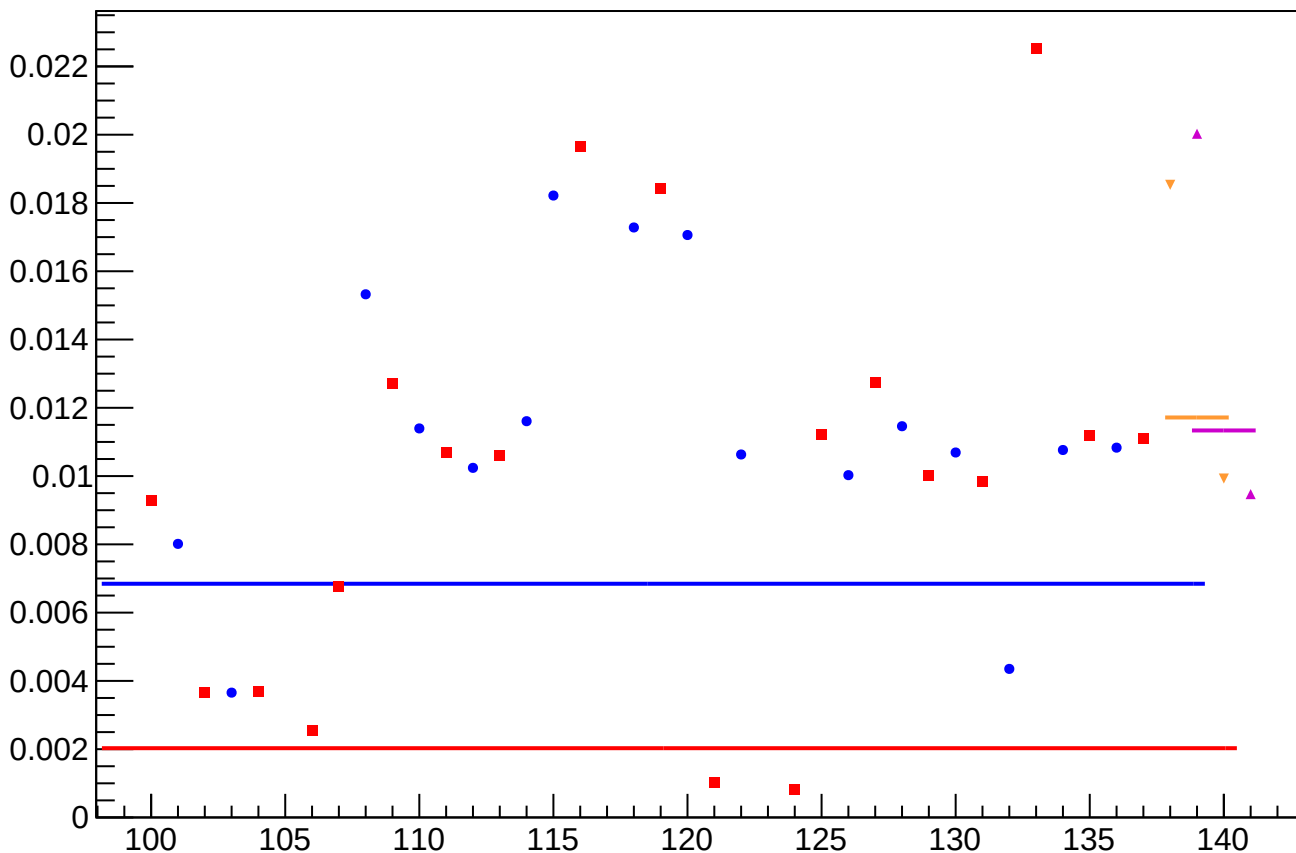
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 26.4/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 46.9/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 20.4/20

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3230112.6/15

Left Out: 0.012+/-0.000 χ^2/NDF : 261214.6/1

Right Out: 0.002+/-0.000 χ^2/NDF : 9007527.0/18

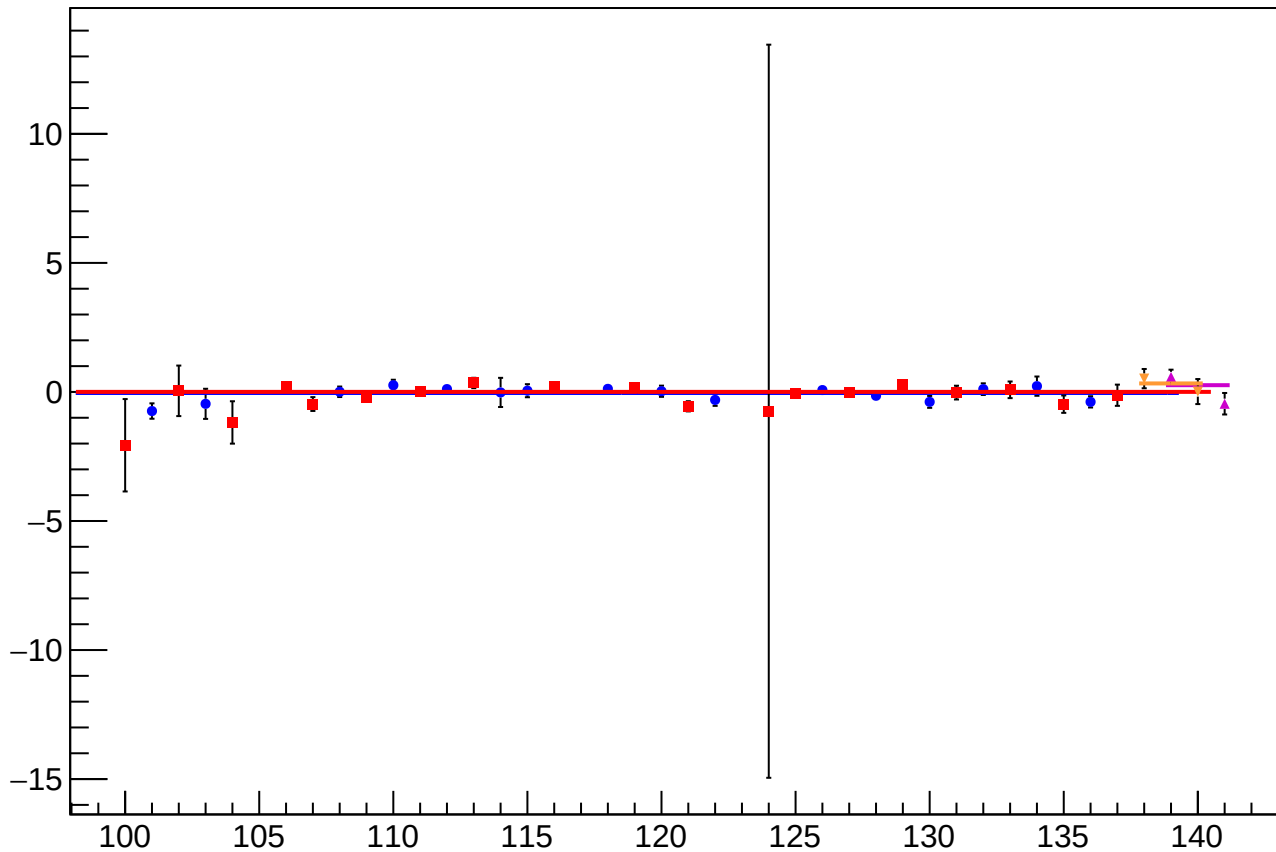
Left In: 0.011+/-0.000 χ^2/NDF : 386162.0/1

+ sign 0.007+/-0.000 χ^2/NDF : 3955845.2/17

All: 0.003+/-0.000 χ^2/NDF : 20723111.9/38

- sign 0.002+/-0.000 χ^2/NDF : 11419753.2/20

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

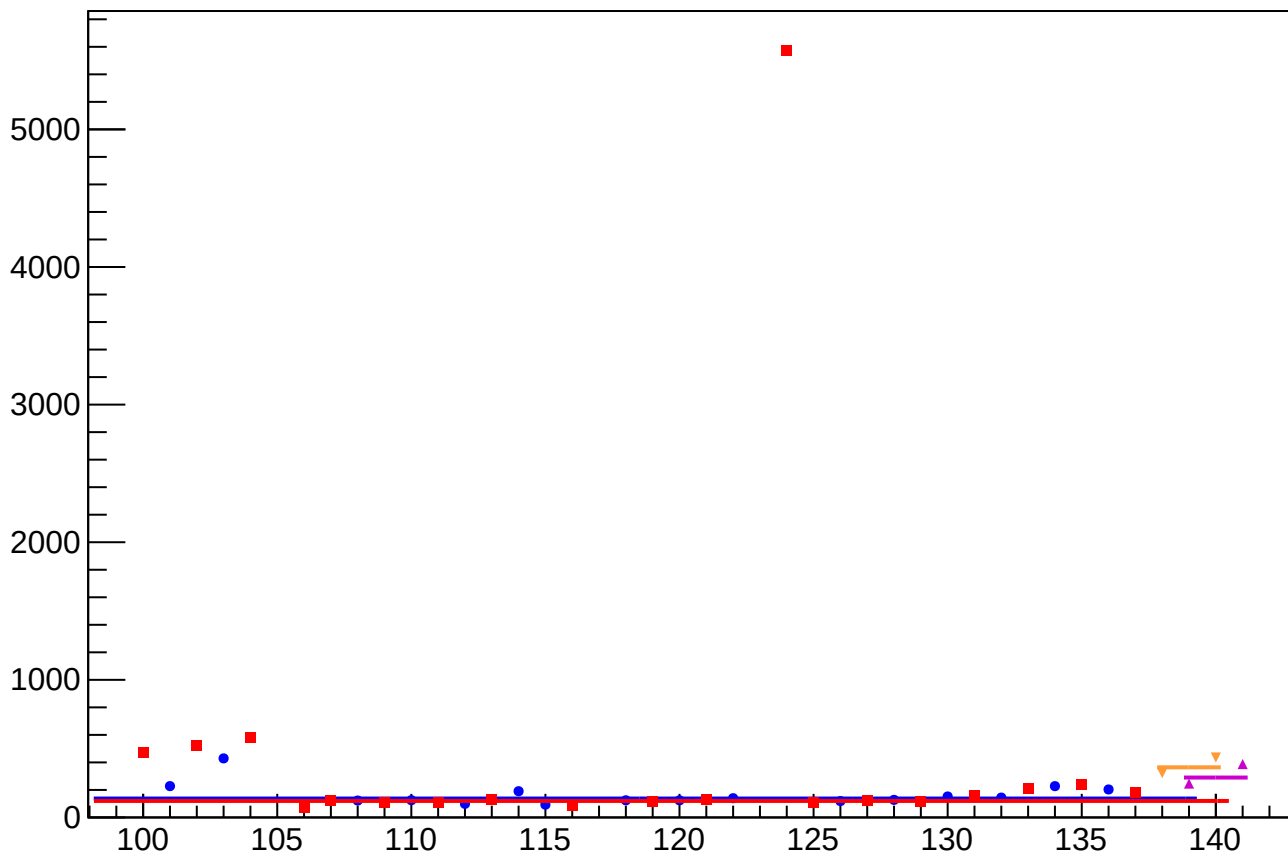
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.004 ± 0.037 χ^2/NDF : 54.6/38

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400 $\pm$ 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

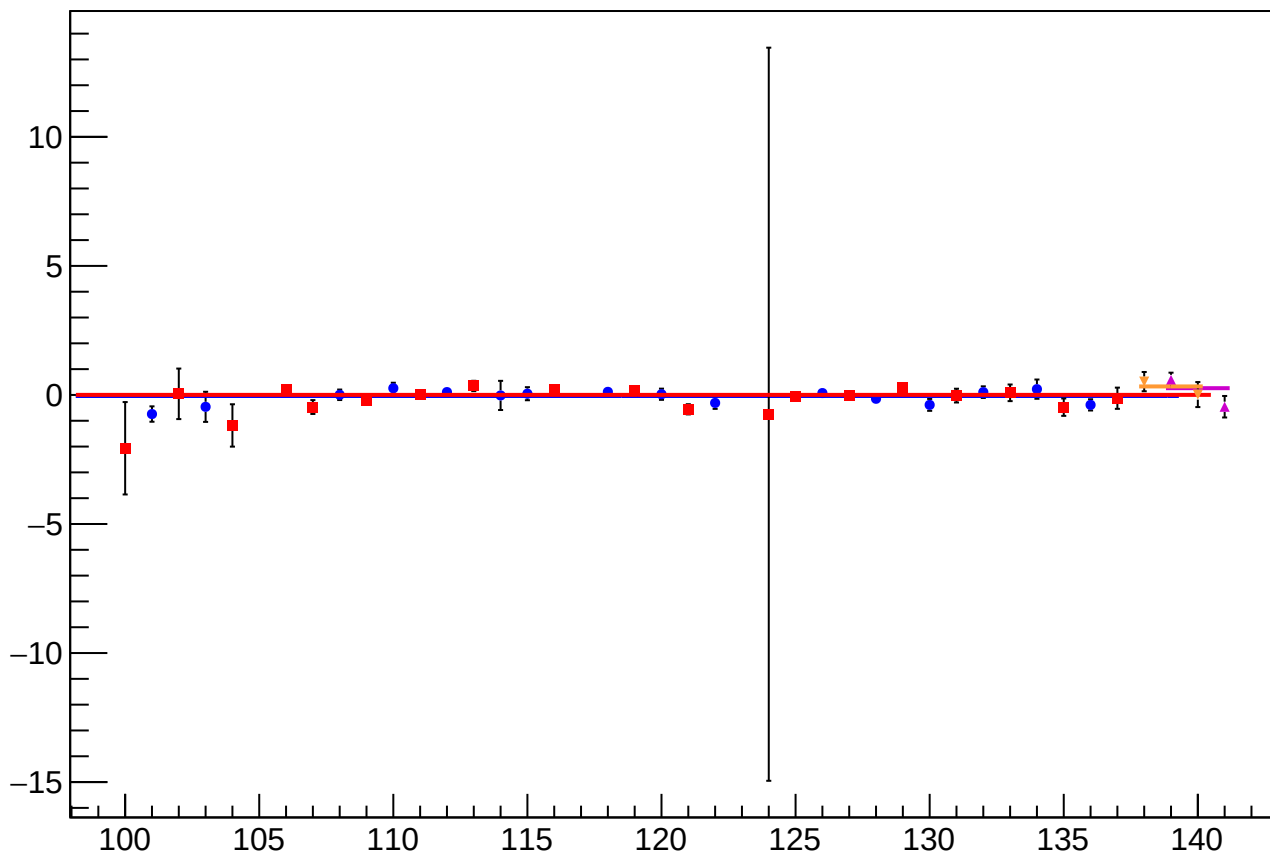
Left In: 289.998 $\pm$ 0.164 χ^2 /NDF: 160008.8/1

+ sign 145.200 $\pm$ 0.039 χ^2 /NDF: 2472962.7/17

All: 135.671 $\pm$ 0.026 χ^2 /NDF: 5909280.1/38

- sign 127.836 $\pm$ 0.035 χ^2 /NDF: 3326339.6/20

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

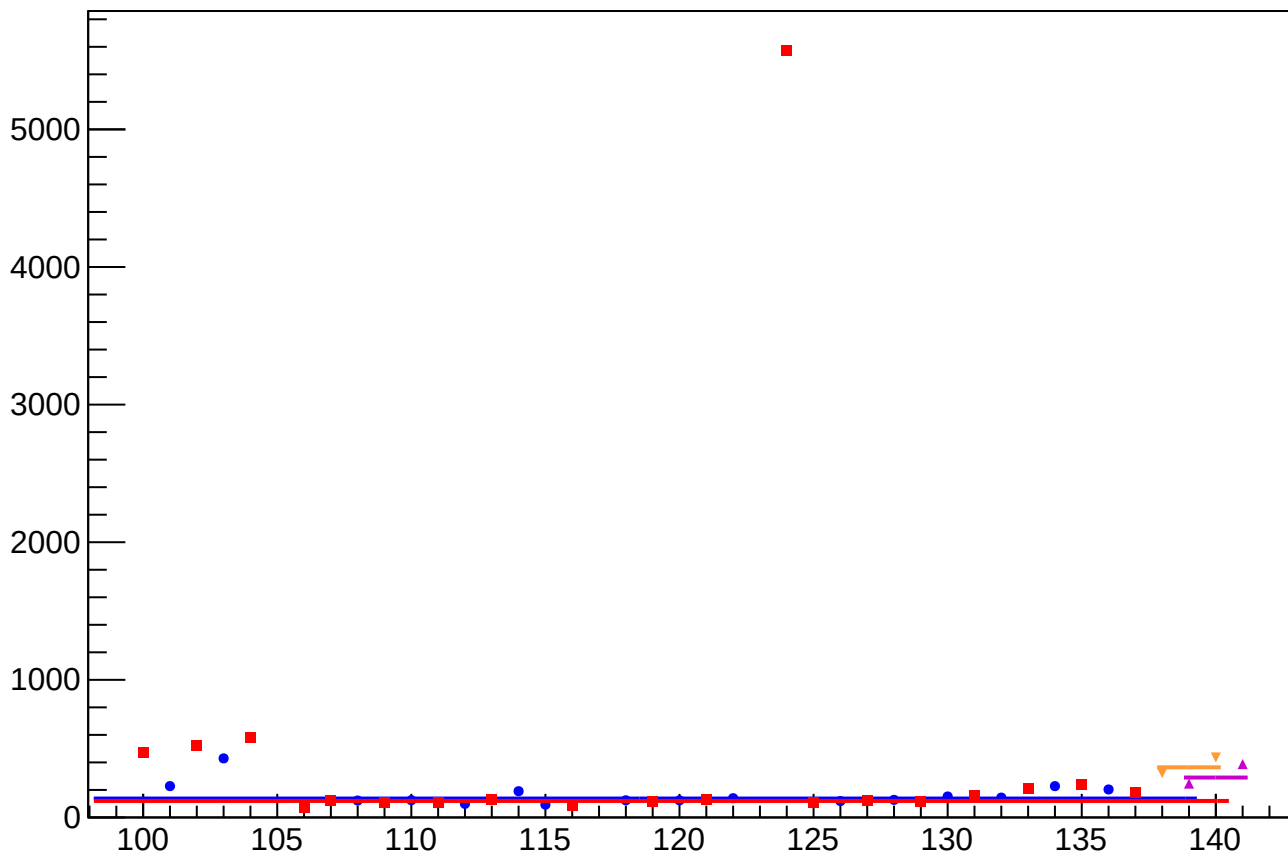
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.027 ± 0.055 χ^2/NDF : 20.1/17

All: -0.004 ± 0.037 χ^2/NDF : 54.6/38

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

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

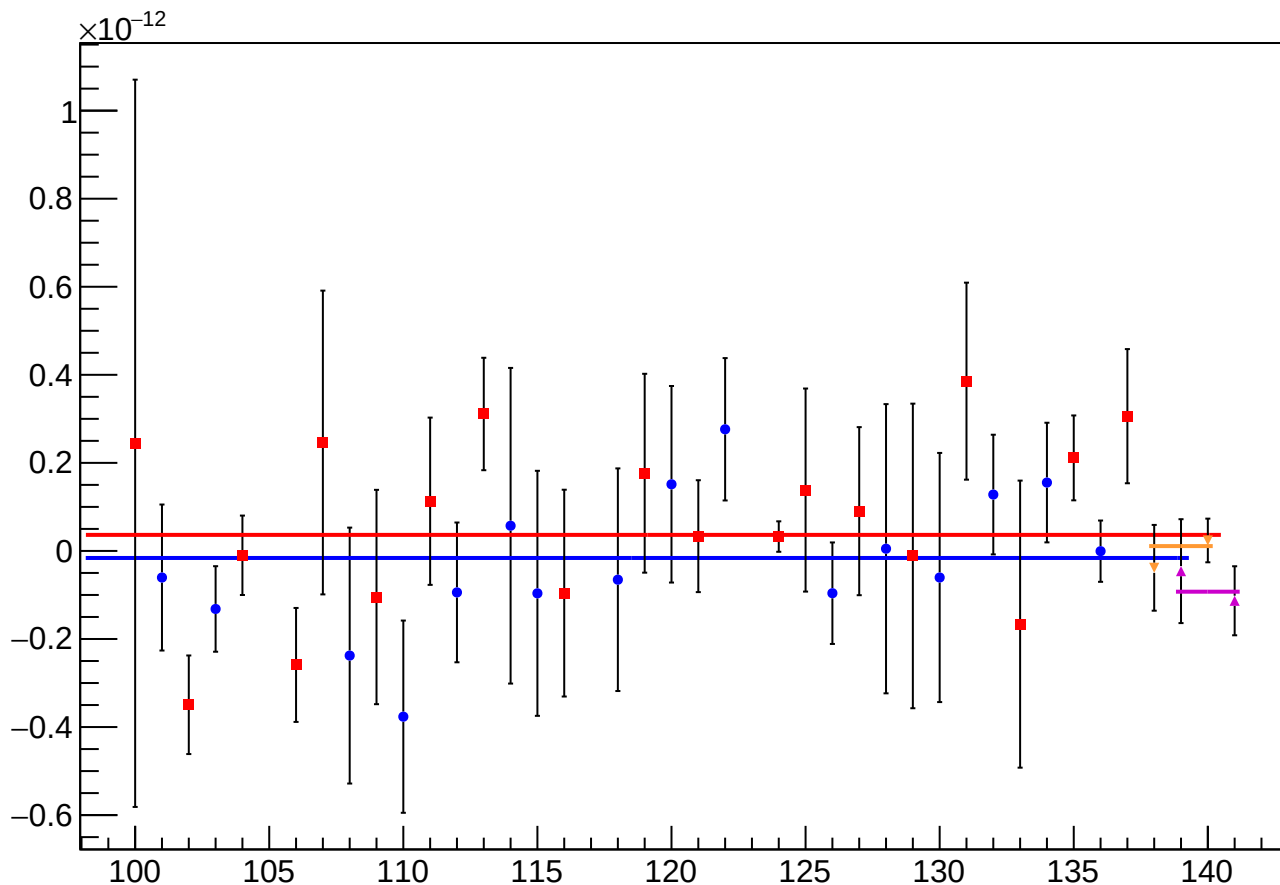
Left In: 289.998 $\pm$ 0.164 χ^2 /NDF: 160008.8/1

+ sign 145.200 $\pm$ 0.039 χ^2 /NDF: 2472962.7/17

All: 135.671 $\pm$ 0.026 χ^2 /NDF: 5909280.1/38

- sign 127.836 $\pm$ 0.035 χ^2 /NDF: 3326339.6/20

asym_atr1l2_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: 0.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/18

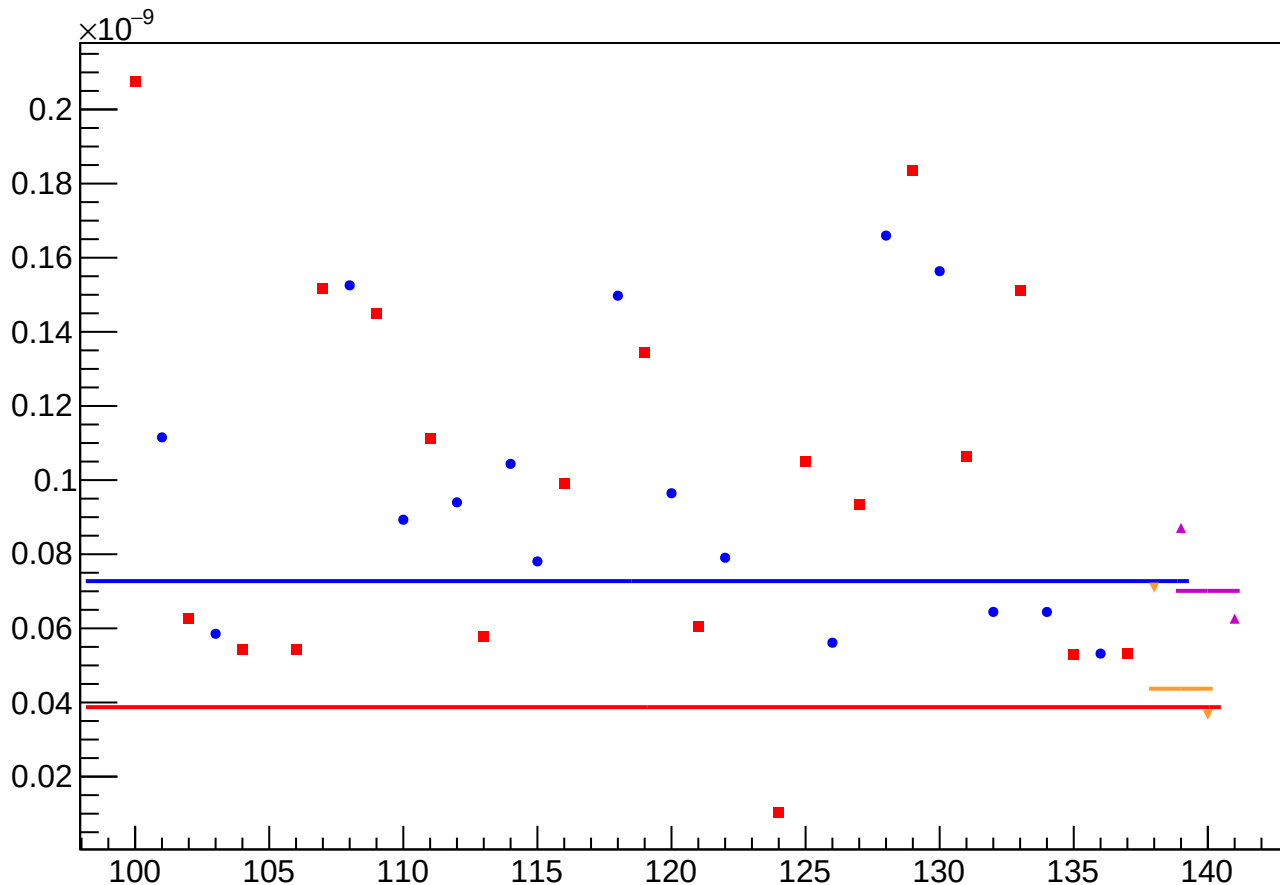
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/20

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

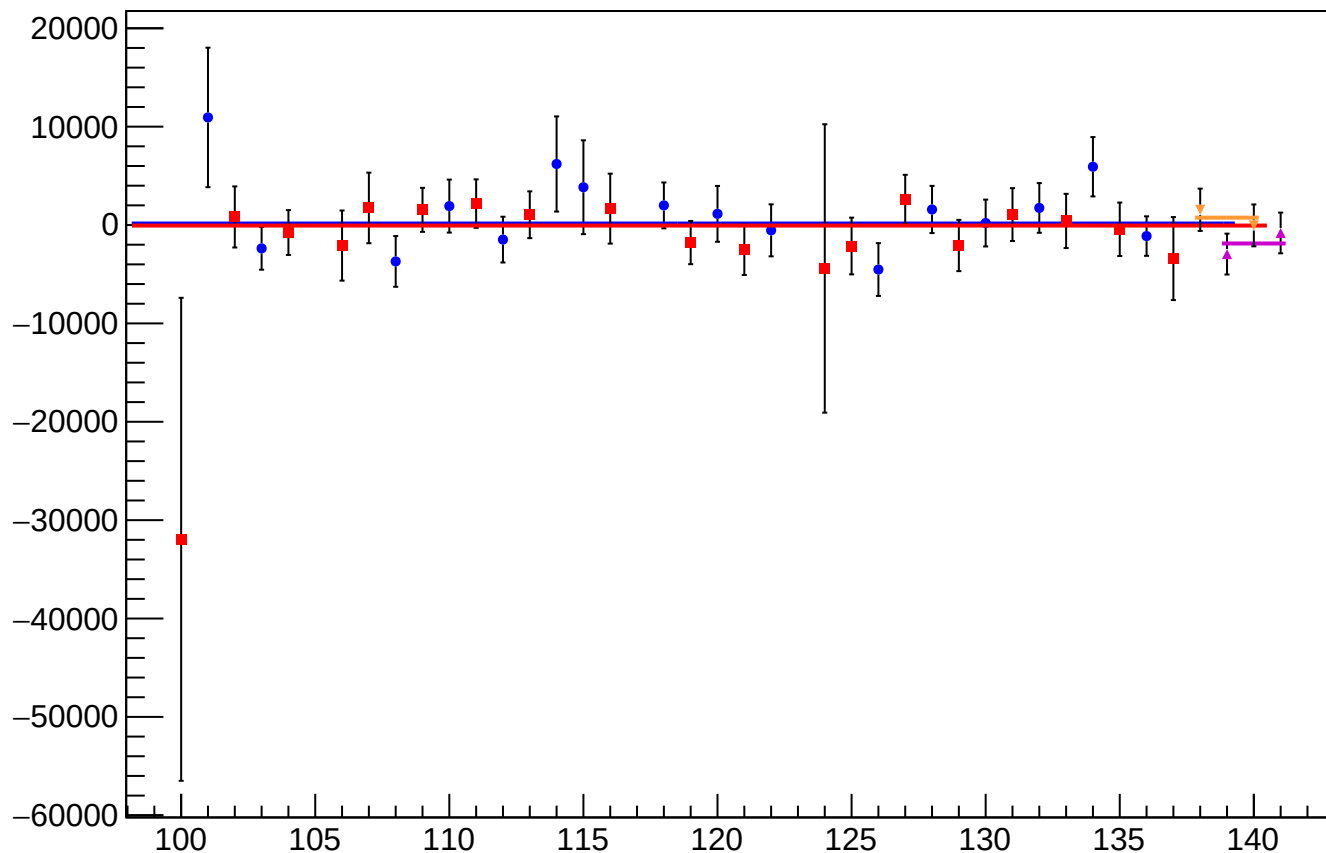
Left In: 0.000+/-0.000 χ^2/NDF : 59775.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 1830234.1/17

All: 0.000+/-0.000 χ^2/NDF : 7020343.8/38

- sign 0.000+/-0.000 χ^2/NDF : 4726926.5/20

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

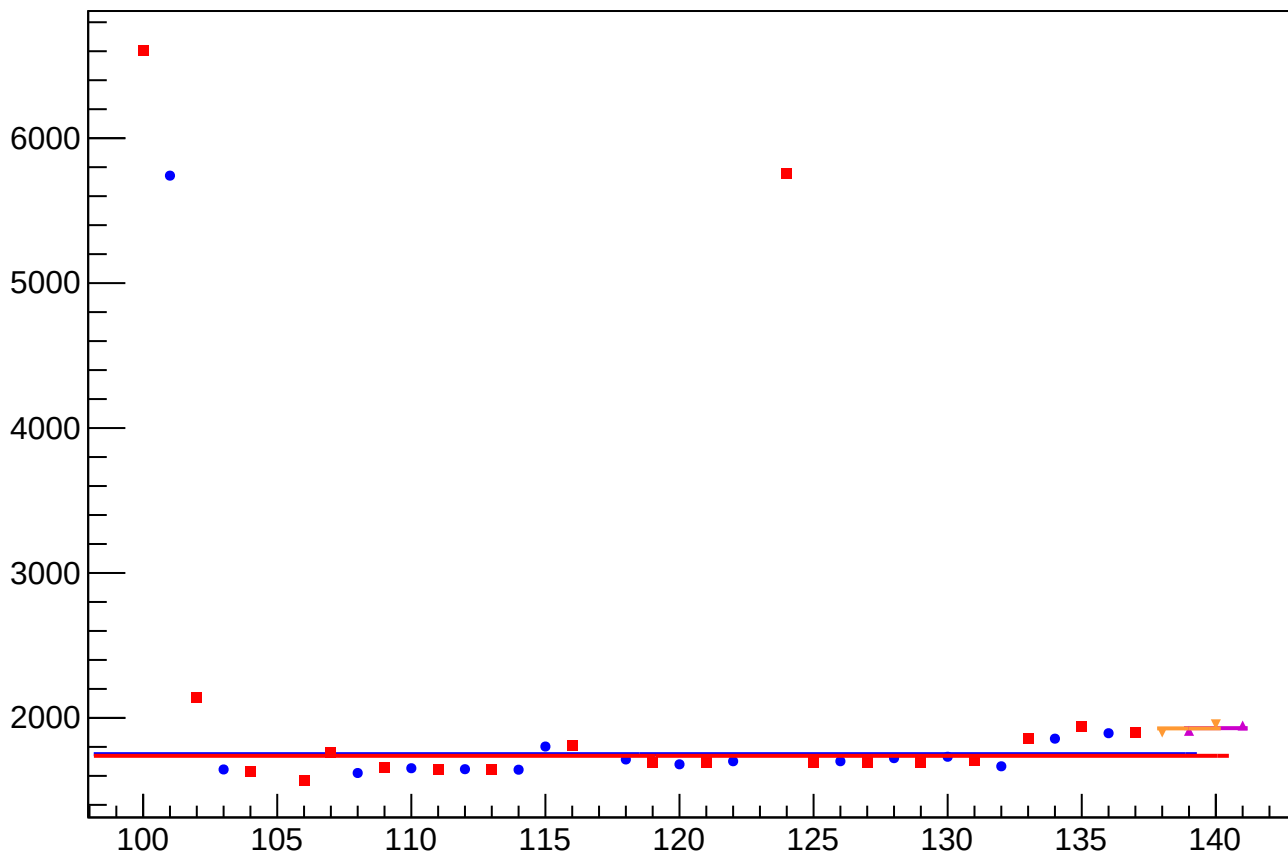
Left In: -1876.008 $\pm$ 1466.512 χ^2 /NDF: 0.5/1

+ sign 248.186 $\pm$ 610.346 χ^2 /NDF: 18.1/17

All: -60.616 $\pm$ 427.243 χ^2 /NDF: 29.4/38

- sign -357.310 $\pm$ 598.261 χ^2 /NDF: 10.8/20

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.0/15

Left Out: 1927.695+/-1.070 χ^2/NDF : 682.7/1

Right Out: 1738.493+/-0.460 χ^2/NDF : 304493.3/18

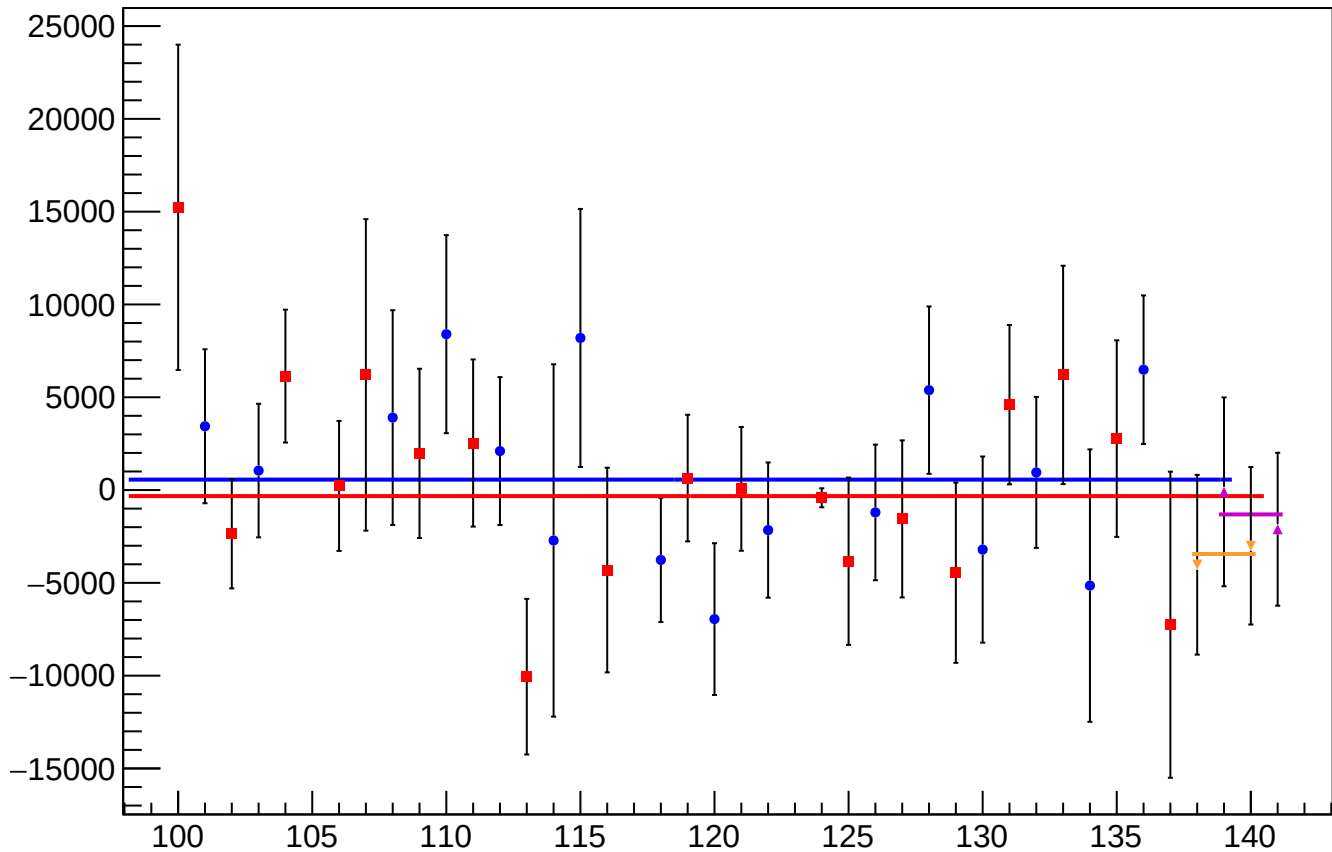
Left In: 1929.351+/-1.037 χ^2/NDF : 305.8/1

+ sign 1778.804+/-0.432 χ^2/NDF : 693391.8/17

All: 1774.219+/-0.301 χ^2/NDF : 1026717.0/38

- sign 1769.868+/-0.420 χ^2/NDF : 333105.3/20

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339 ± 1101.163 χ^2/NDF : 14.8/15

Left Out: -3445.864 ± 3191.395 χ^2/NDF : 0.0/1

Right Out: -325.567 ± 457.948 χ^2/NDF : 19.2/18

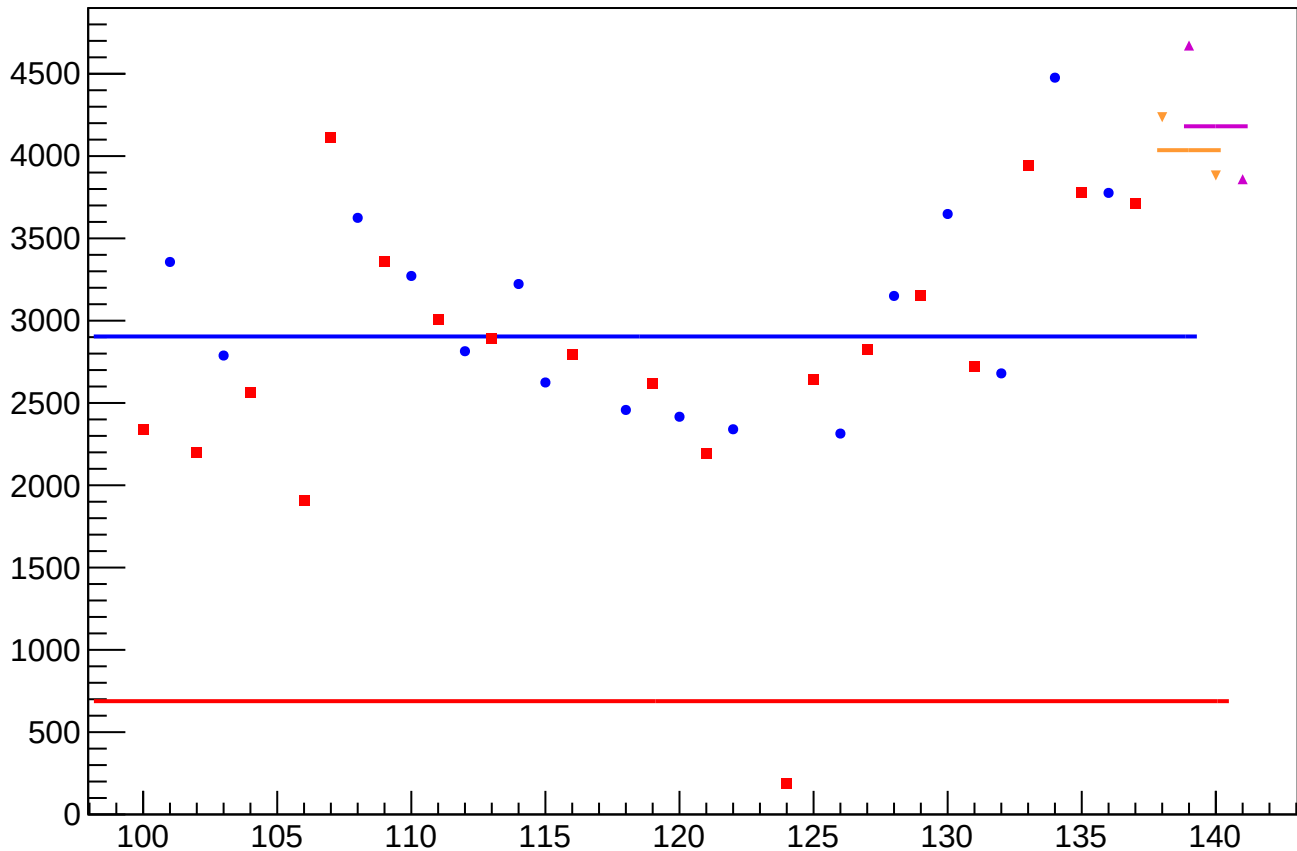
Left In: -1312.417 ± 3201.238 χ^2/NDF : 0.1/1

+ sign 135.916 ± 1040.941 χ^2/NDF : 16.2/17

All: -268.630 ± 415.629 χ^2/NDF : 35.8/38

- sign -345.357 ± 453.333 χ^2/NDF : 19.4/20

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

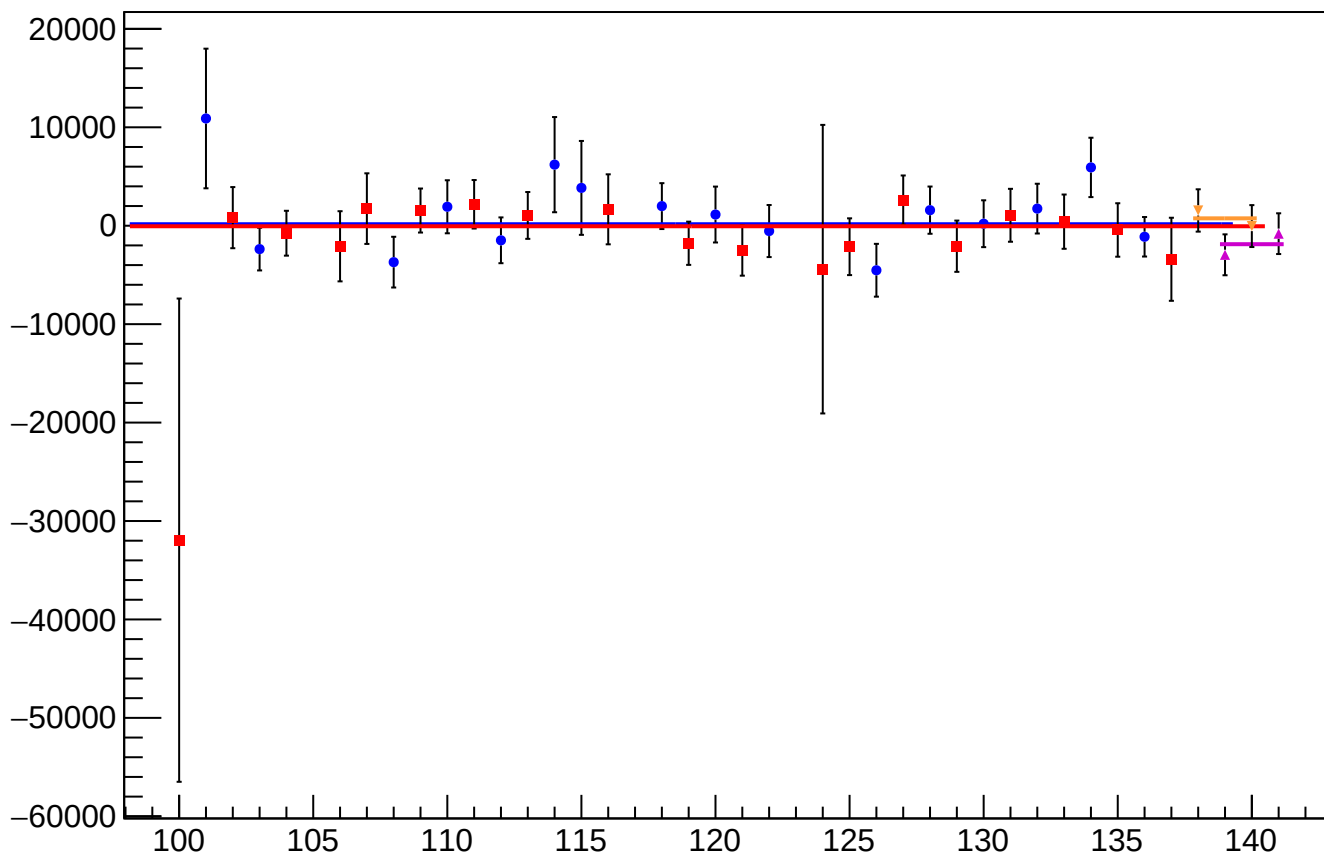
Left In: 4181.070 $\pm$ 2.264 χ^2 /NDF: 30778.4/1

+ sign 3024.474 $\pm$ 0.736 χ^2 /NDF: 710617.7/17

All: 1119.639 $\pm$ 0.294 χ^2 /NDF: 21190801.6/3

- sign 758.362 $\pm$ 0.321 χ^2 /NDF: 12512782.8/20

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

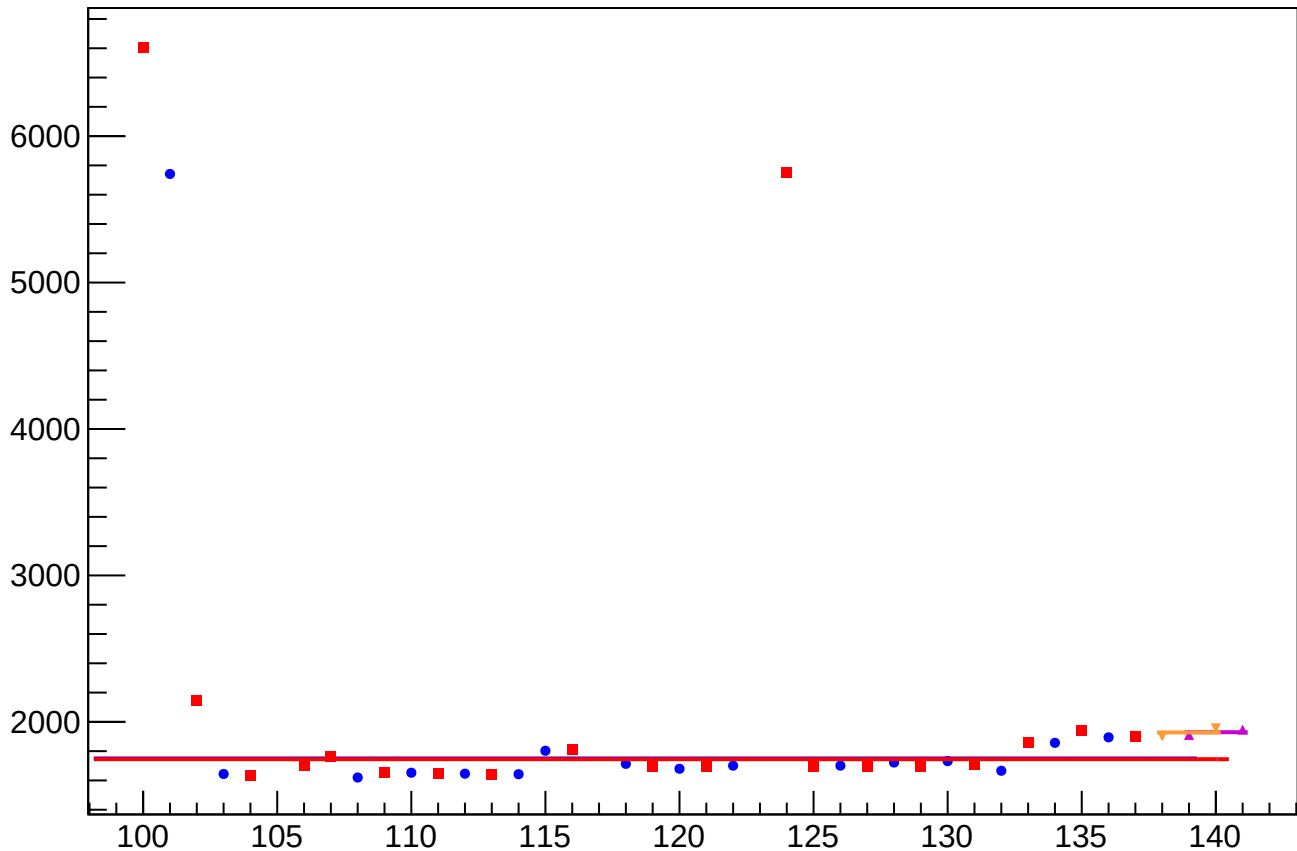
Left In: -1876.340 $\pm$ 1466.512 χ^2 /NDF: 0.5/1

+ sign 247.775 $\pm$ 610.346 χ^2 /NDF: 18.1/17

All: -60.867 $\pm$ 427.243 χ^2 /NDF: 29.3/38

- sign -357.408 $\pm$ 598.261 χ^2 /NDF: 10.8/20

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF : 682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

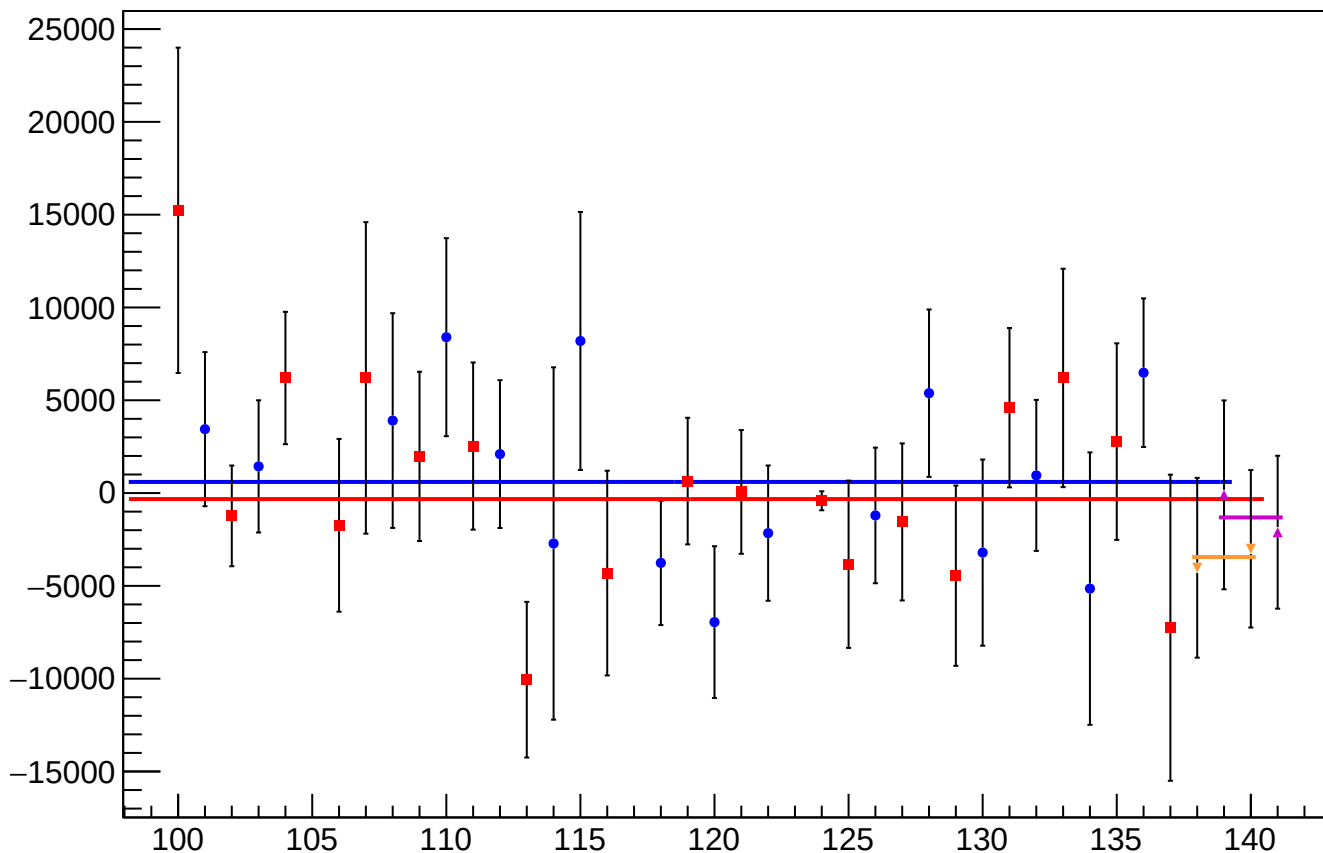
Left In: 1929.351+/-1.037 χ^2/NDF : 305.8/1

+ sign 1778.804+/-0.432 χ^2/NDF : 693392.1/17

All: 1777.188+/-0.302 χ^2/NDF : 1018028.0/38

- sign 1775.646+/-0.422 χ^2/NDF : 324608.5/20

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202 ± 1100.125 χ^2/NDF : 14.9/15

Left Out: -3446.136 ± 3191.397 χ^2/NDF : 0.0/1

Right Out: -323.164 ± 458.862 χ^2/NDF : 19.0/18

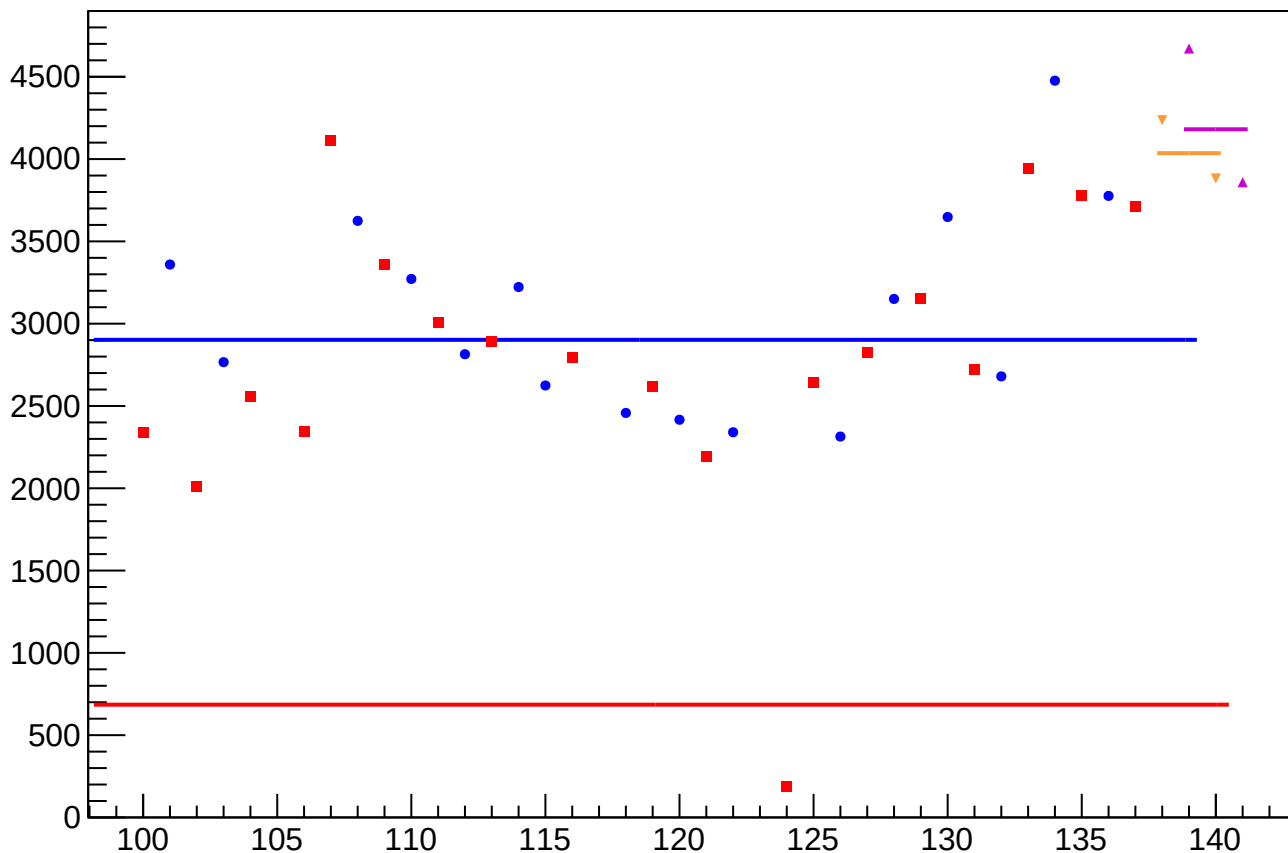
Left In: -1312.259 ± 3201.229 χ^2/NDF : 0.1/1

+ sign 170.447 ± 1040.065 χ^2/NDF : 16.3/17

All: -260.822 ± 416.256 χ^2/NDF : 35.7/38

- sign -343.077 ± 454.220 χ^2/NDF : 19.2/20

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

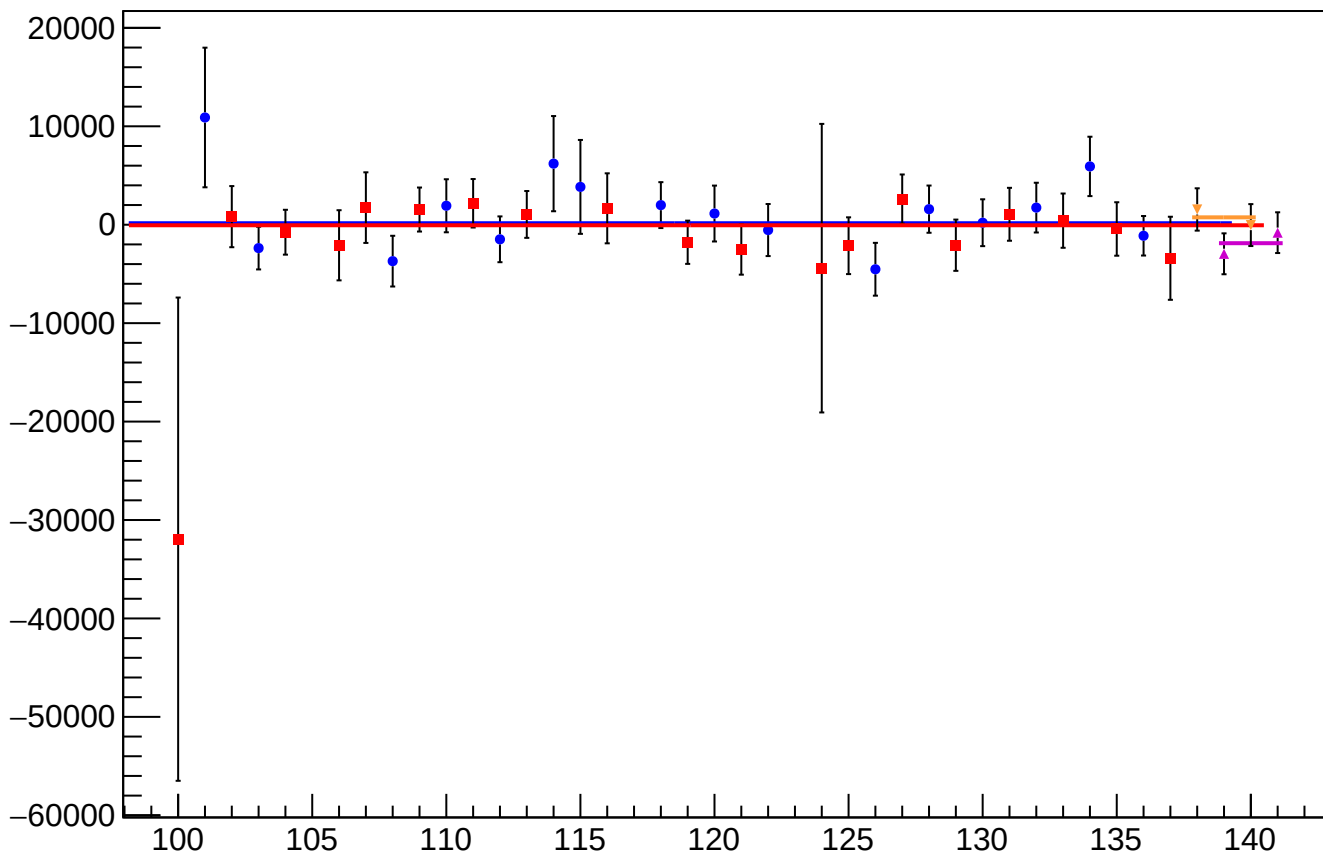
Left In: 4181.060+/-2.264 χ^2/NDF : 30777.5/1

+ sign 3022.307+/-0.735 χ^2/NDF : 712698.5/17

All: 1118.704+/-0.294 χ^2/NDF : 21163905.7/3

- sign 755.636+/-0.321 χ^2/NDF : 12473569.3/20

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

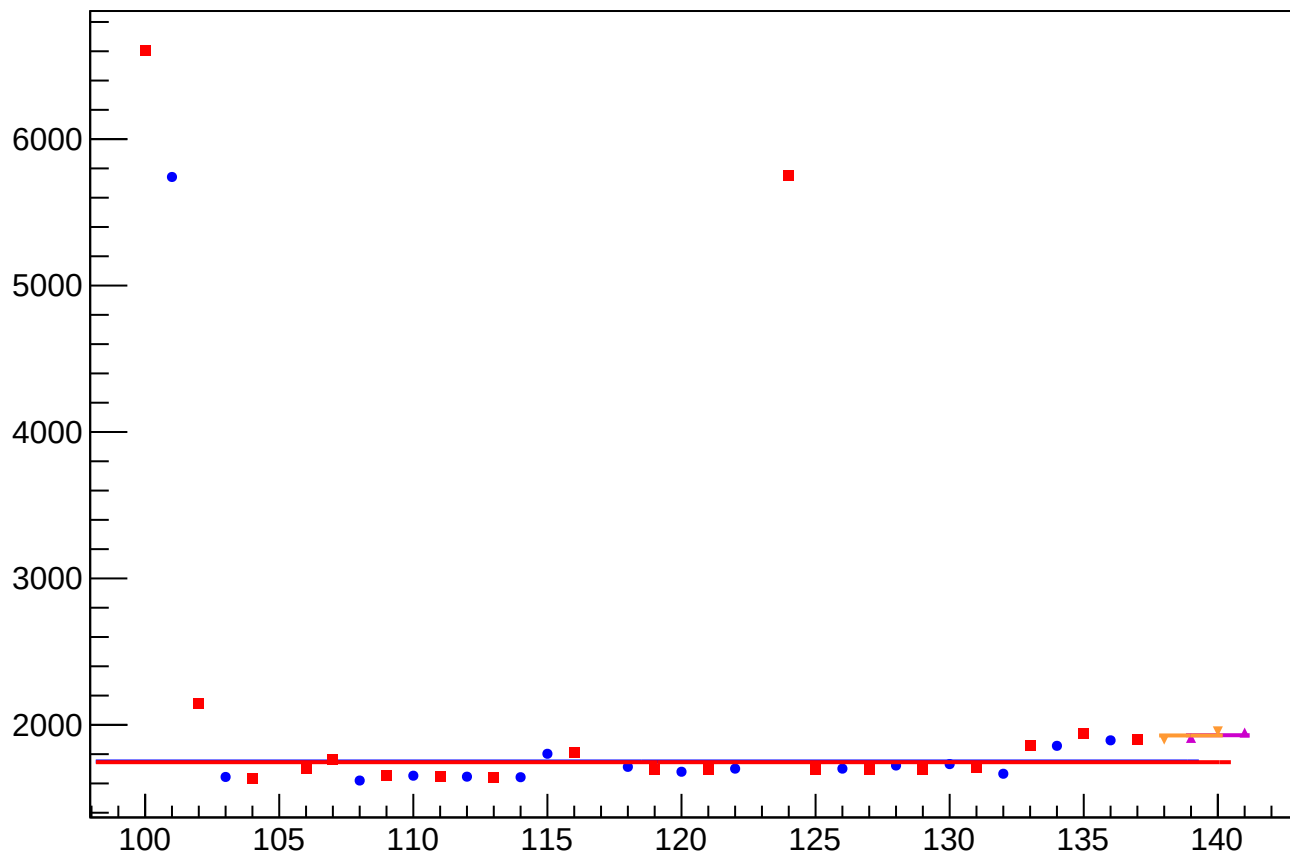
Left In: -1876.340 $\pm$ 1466.512 χ^2 /NDF: 0.5/1

+ sign 247.775 $\pm$ 610.346 χ^2 /NDF: 18.1/17

All: -60.867 $\pm$ 427.243 χ^2 /NDF: 29.3/38

- sign -357.408 $\pm$ 598.261 χ^2 /NDF: 10.8/20

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF : 682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

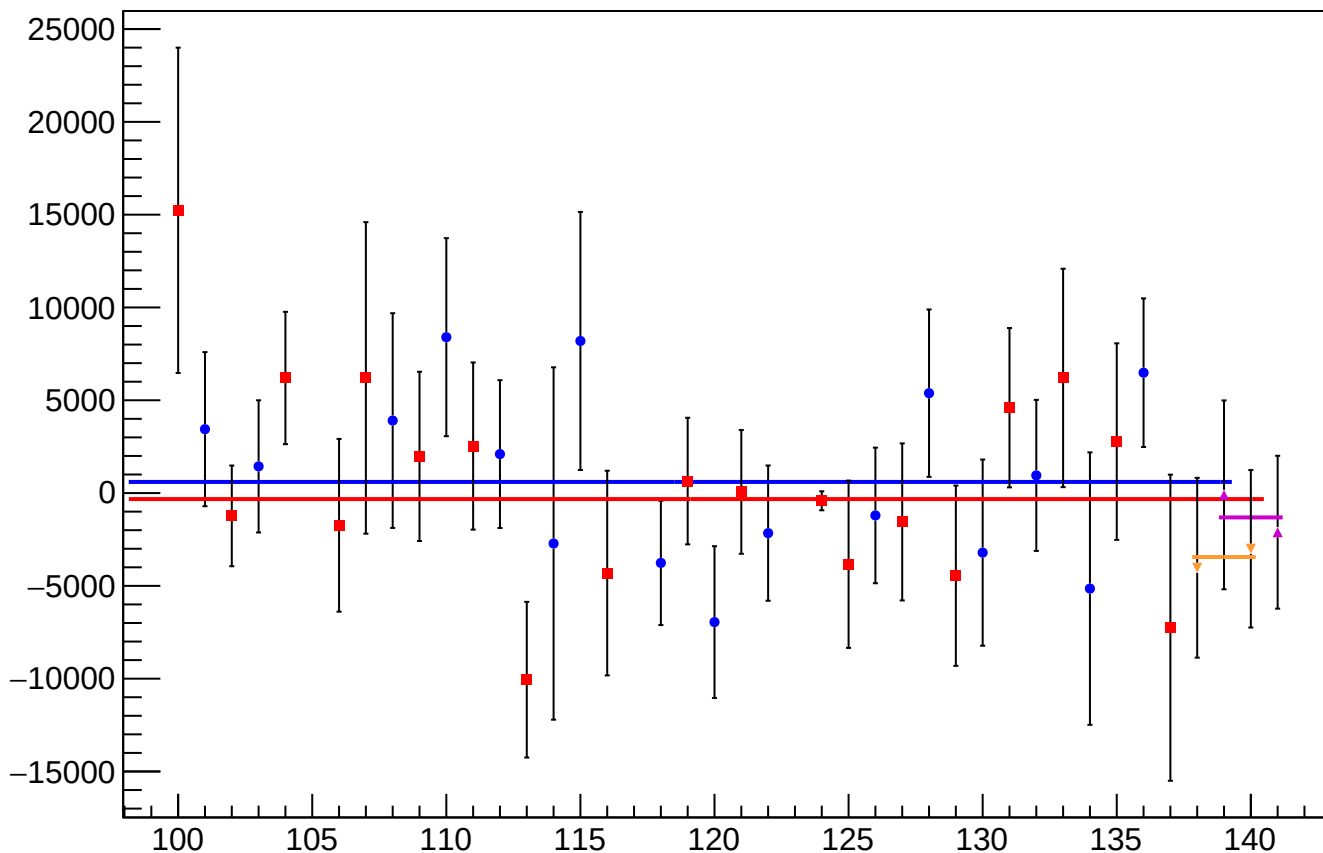
Left In: 1929.351+/-1.037 χ^2/NDF : 305.8/1

+ sign 1778.804+/-0.432 χ^2/NDF : 693392.1/17

All: 1777.188+/-0.302 χ^2/NDF : 1018028.0/38

- sign 1775.646+/-0.422 χ^2/NDF : 324608.5/20

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202 ± 1100.125 $\chi^2/\text{NDF}: 14.9/15$

Left Out: -3446.136 ± 3191.397 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -323.164 ± 458.862 $\chi^2/\text{NDF}: 19.0/18$

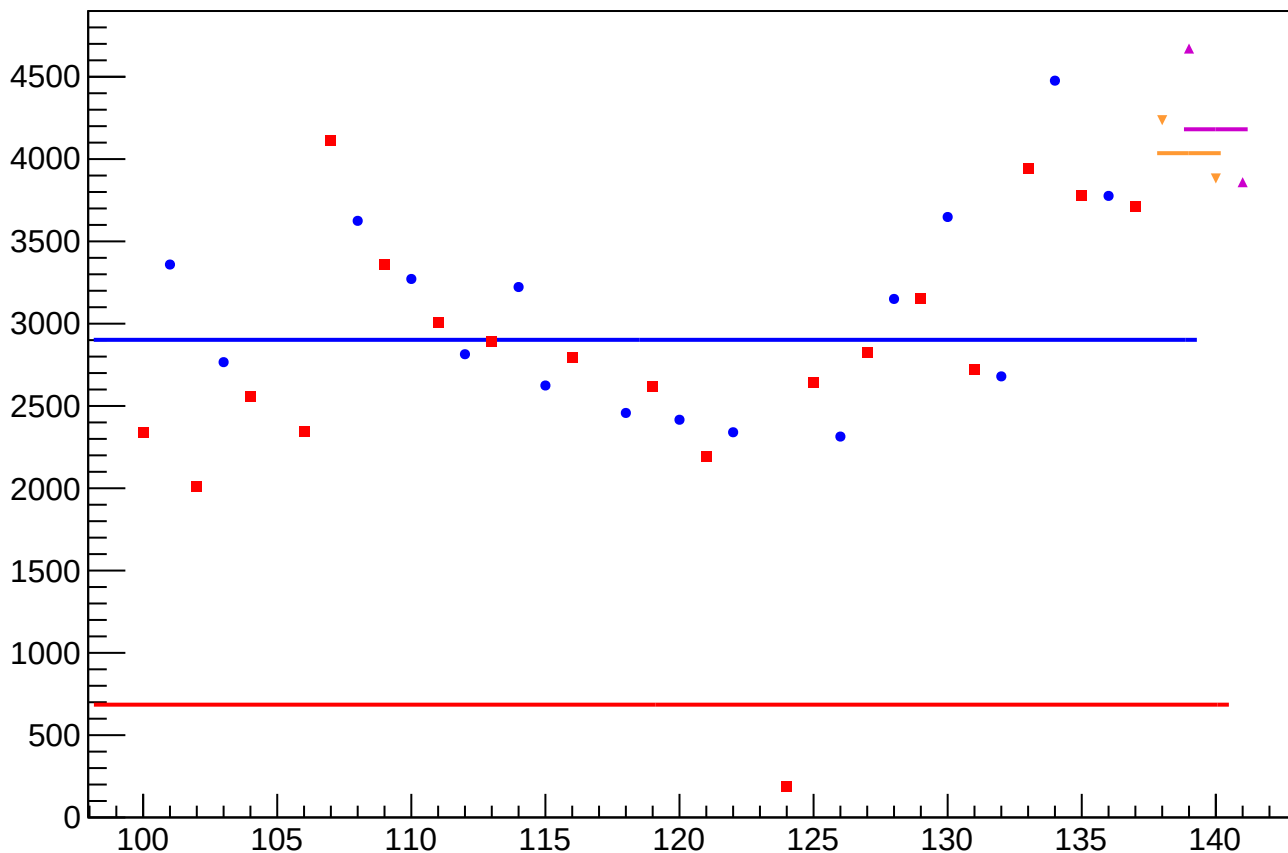
Left In: -1312.259 ± 3201.229 $\chi^2/\text{NDF}: 0.1/1$

+ sign 170.447 ± 1040.065 $\chi^2/\text{NDF}: 16.3/17$

All: -260.822 ± 416.256 $\chi^2/\text{NDF}: 35.7/38$

- sign -343.077 ± 454.220 $\chi^2/\text{NDF}: 19.2/20$

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

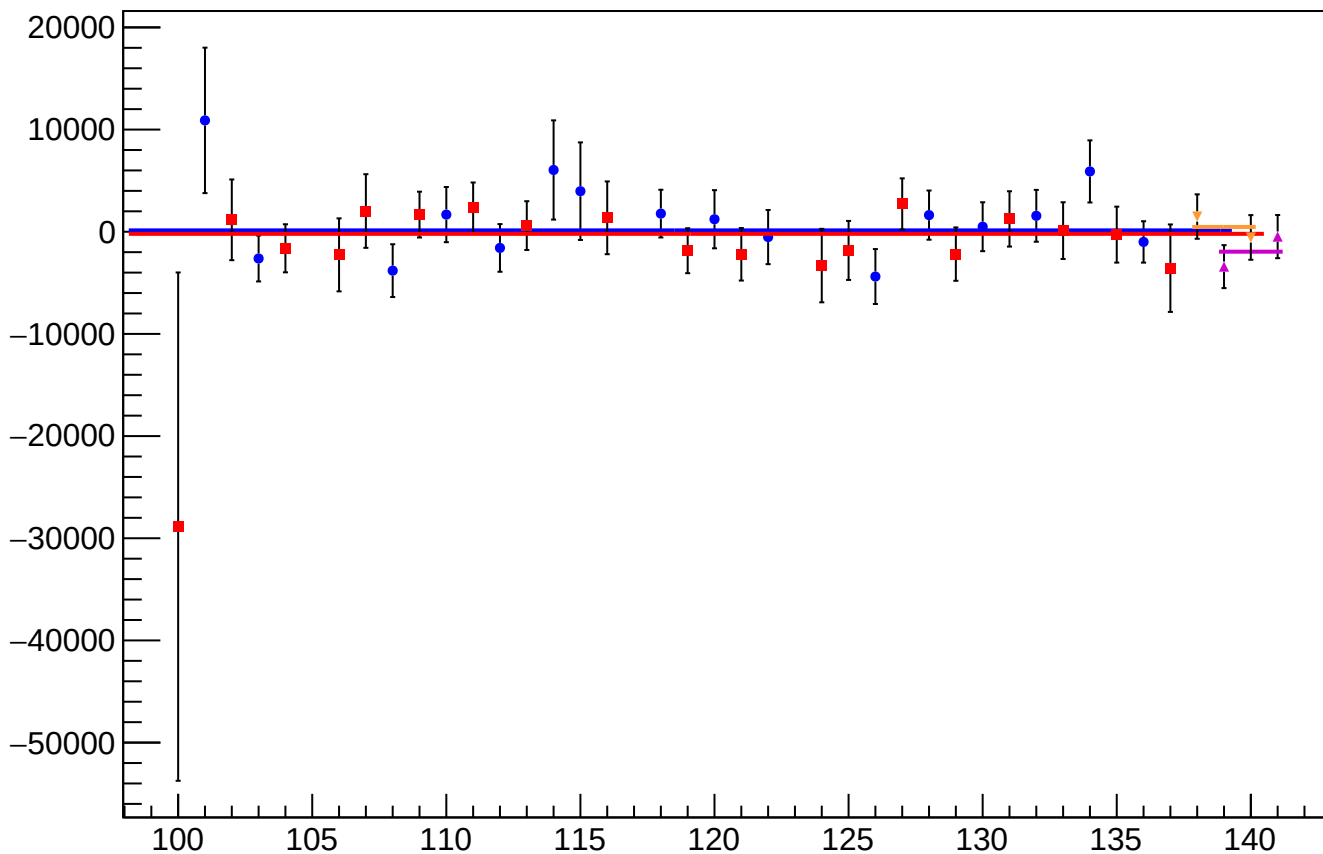
Left In: 4181.060 $\pm$ 2.264 χ^2 /NDF:30777.5/1

+ sign 3022.307 $\pm$ 0.735 χ^2 /NDF: 712698.5/17

All: 1118.704 $\pm$ 0.294 χ^2 /NDF: 21163905.7/3

- sign 755.636 $\pm$ 0.321 χ^2 /NDF: 12473569.3/20

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838 ± 671.621 χ^2/NDF : 17.3/15

Left Out: 468.280 ± 1541.176 χ^2/NDF : 0.4/1

Right Out: -205.424 ± 654.444 χ^2/NDF : 9.7/18

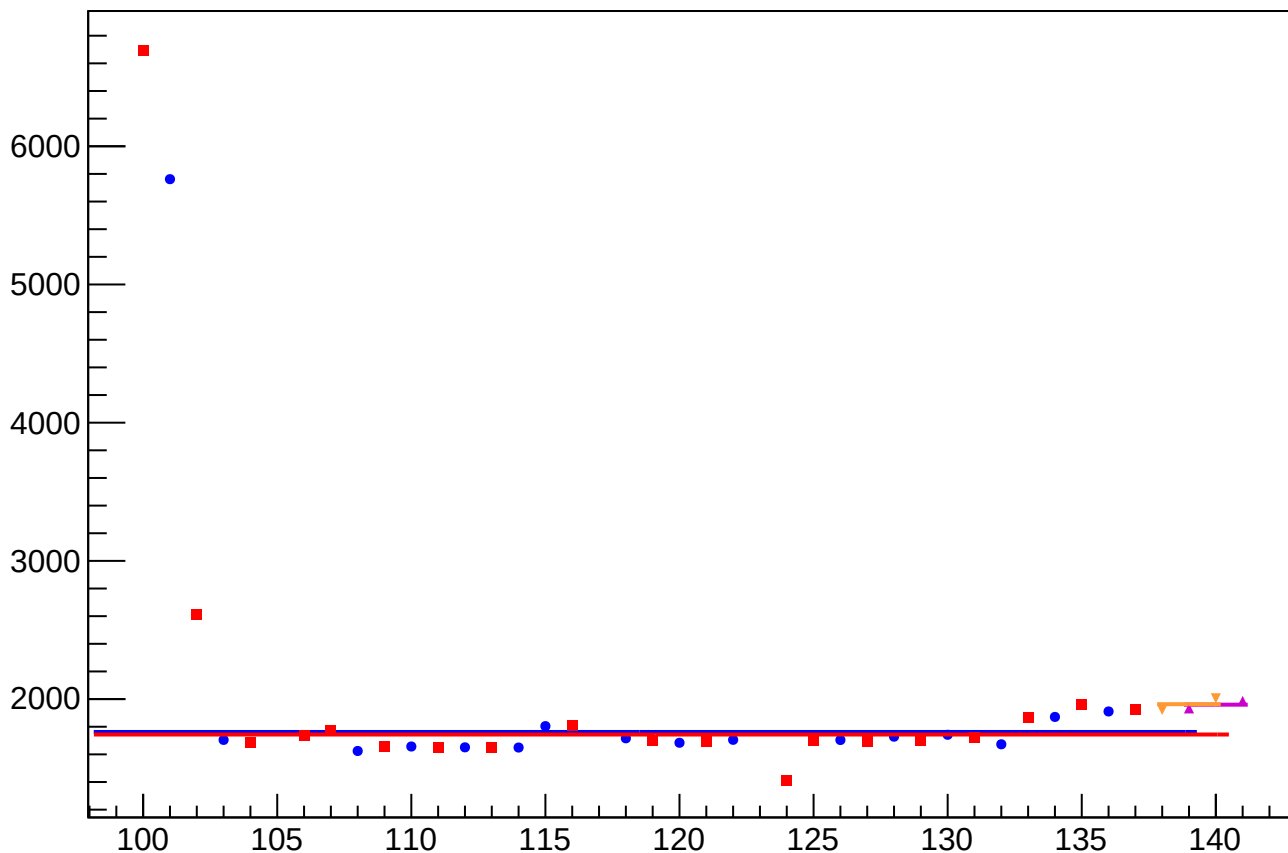
Left In: -1950.617 ± 1489.776 χ^2/NDF : 1.0/1

+ sign 187.215 ± 615.697 χ^2/NDF : 17.8/17

All: -159.431 ± 429.405 χ^2/NDF : 30.2/38

- sign -487.727 ± 599.179 χ^2/NDF : 11.8/20

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

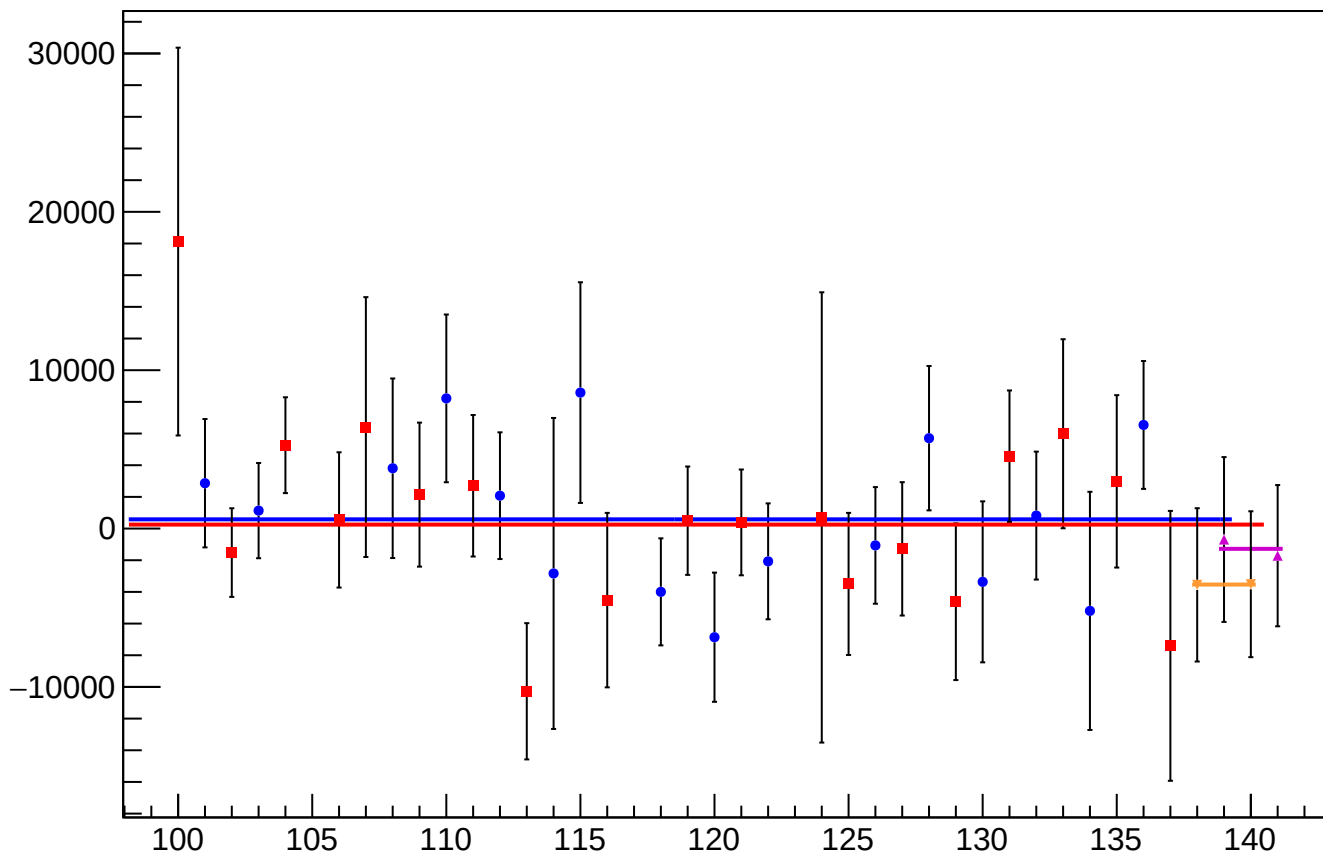
Left In: 1959.595 $\pm$ 1.053 χ^2 /NDF:653.0/1

+ sign 1794.158 $\pm$ 0.435 χ^2 /NDF: 697836.9/17

All: 1786.084 $\pm$ 0.303 χ^2 /NDF: 962153.3/38

- sign 1778.474 $\pm$ 0.423 χ^2 /NDF: 263648.3/20

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223 ± 1081.481 χ^2/NDF : 14.9/15

Left Out: -3534.904 ± 3336.886 χ^2/NDF : 0.0/1

Right Out: 250.224 ± 1021.012 χ^2/NDF : 17.9/18

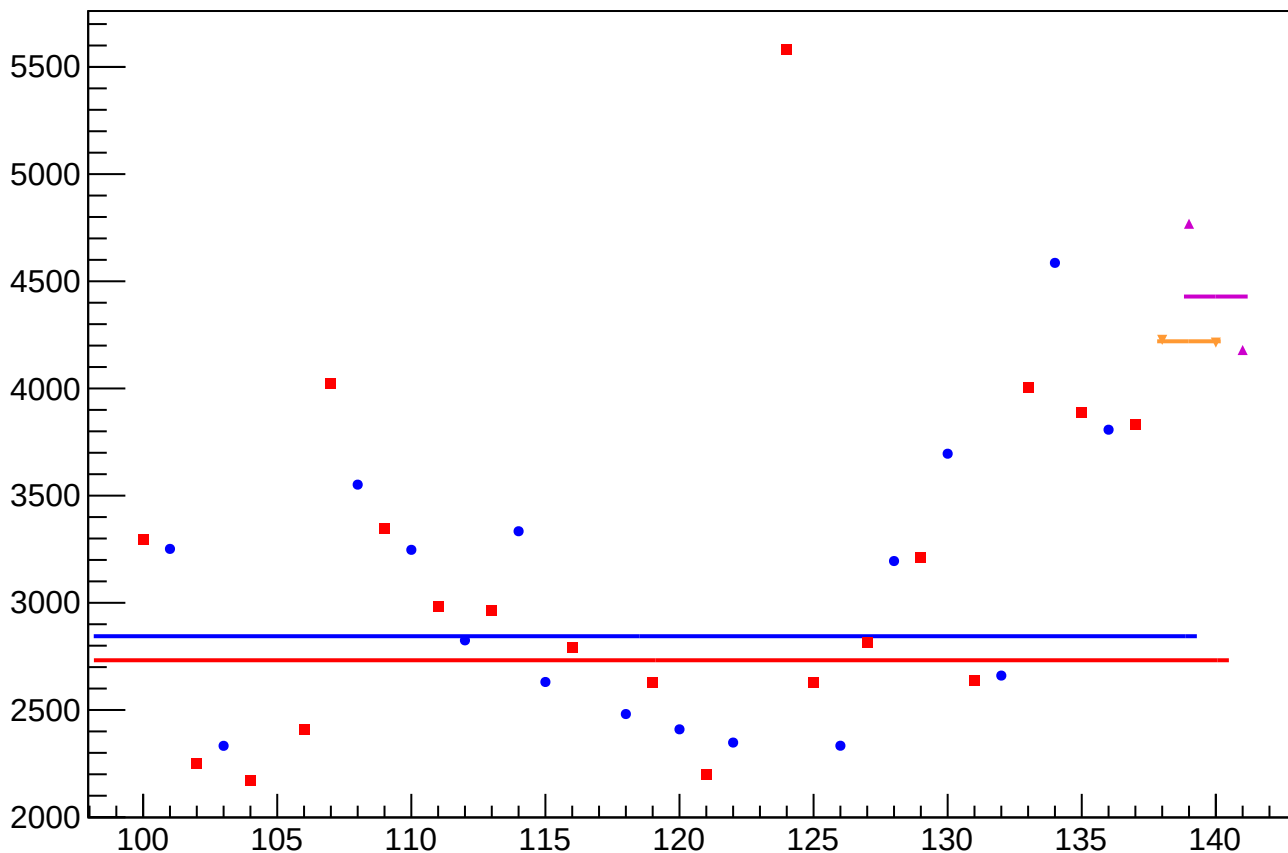
Left In: -1280.575 ± 3386.370 χ^2/NDF : 0.0/1

+ sign 190.868 ± 1028.797 χ^2/NDF : 16.2/17

All: 155.024 ± 708.656 χ^2/NDF : 34.4/38

- sign 122.662 ± 977.546 χ^2/NDF : 18.1/20

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153 $\pm$ 0.765 χ^2/NDF : 542032.5/15

Left Out: 4220.039 $\pm$ 2.360 χ^2/NDF : 7.5/1

Right Out: 2731.978 $\pm$ 0.722 χ^2/NDF : 611275.1/18

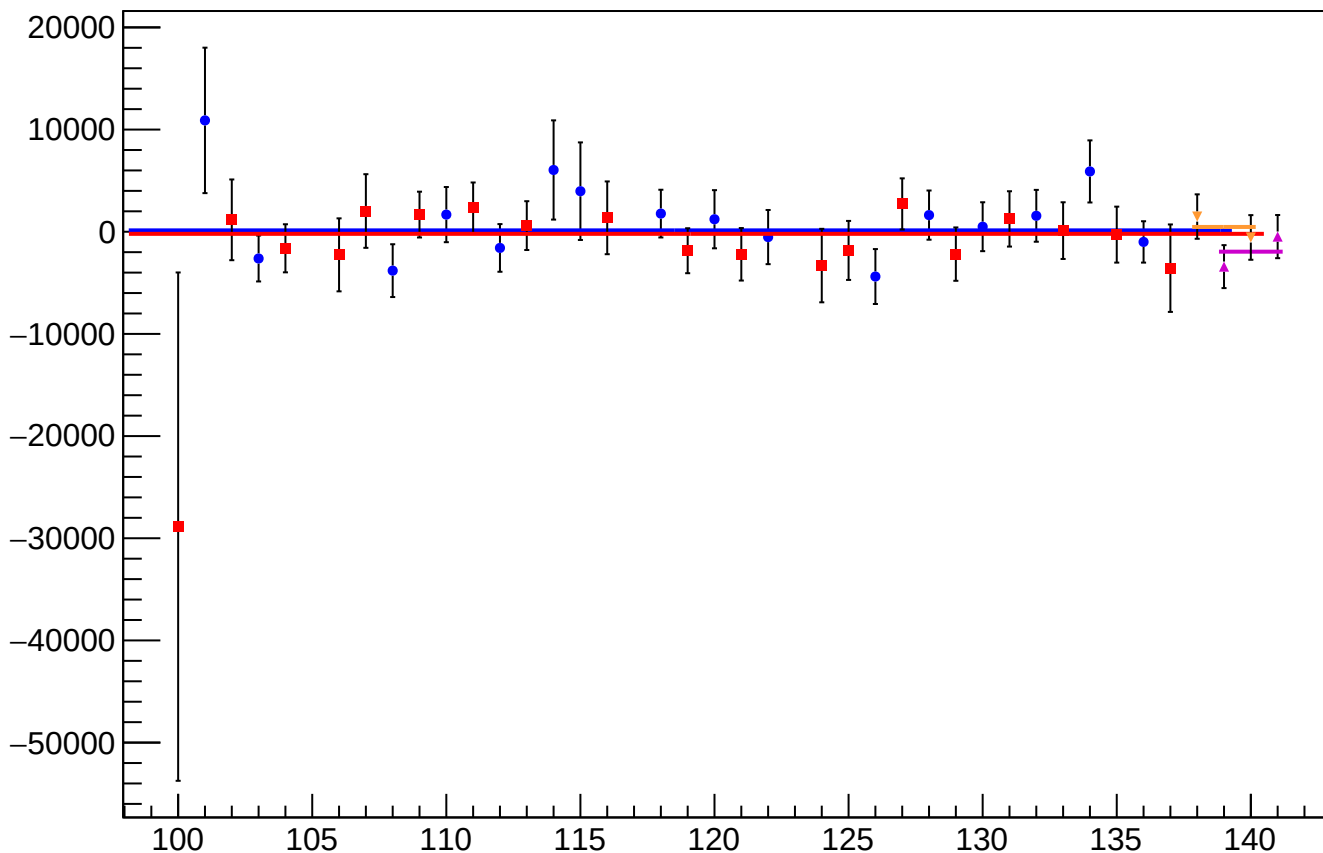
Left In: 4428.854 $\pm$ 2.395 χ^2/NDF : 14778.2/1

+ sign 2974.938 $\pm$ 0.727 χ^2/NDF : 849745.0/17

All: 2921.566 $\pm$ 0.501 χ^2/NDF : 1946376.0/38

- sign 2873.380 $\pm$ 0.691 χ^2/NDF : 1086388.7/20

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837 ± 671.621 χ^2/NDF : 17.3/15

Left Out: 468.270 ± 1541.176 χ^2/NDF : 0.4/1

Right Out: -205.422 ± 654.444 χ^2/NDF : 9.7/18

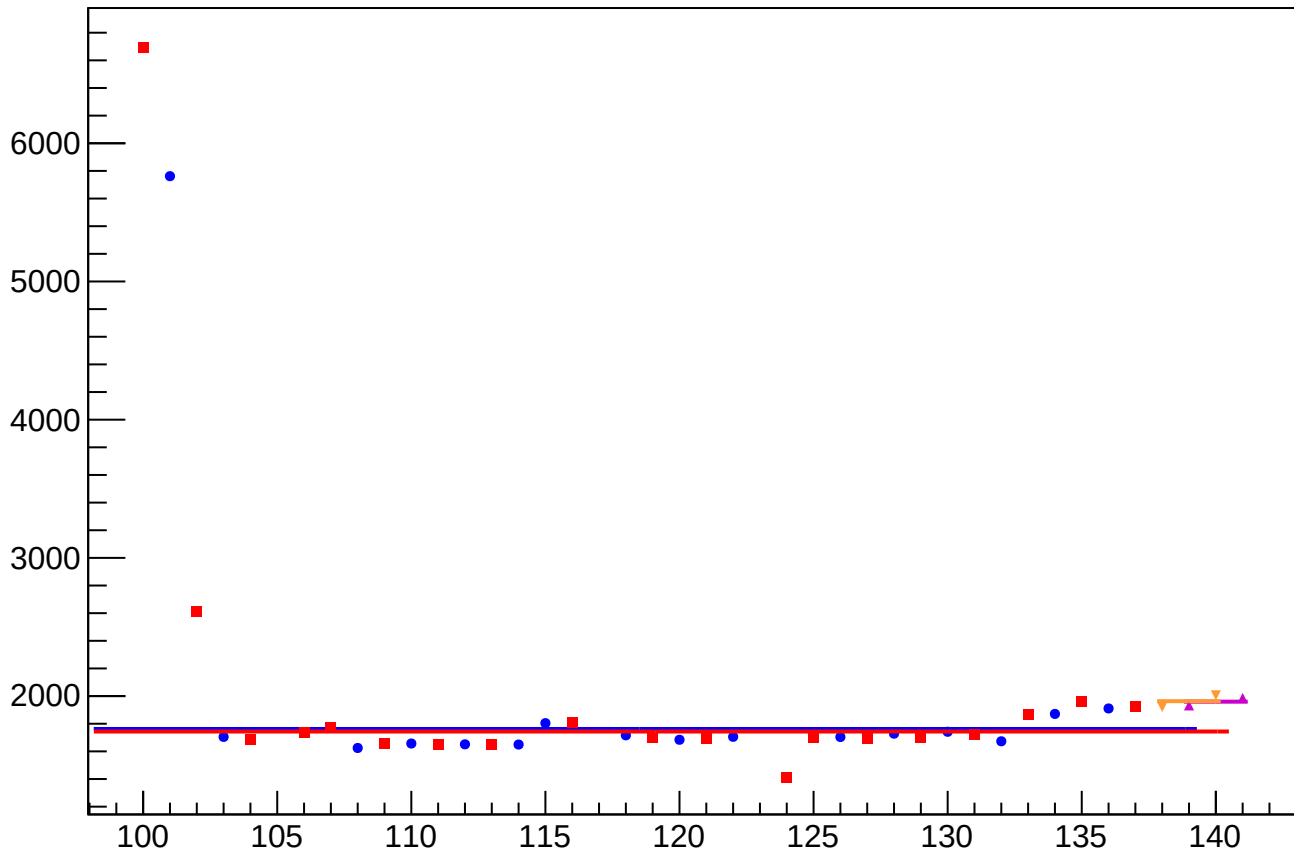
Left In: -1950.616 ± 1489.777 χ^2/NDF : 1.0/1

+ sign 187.212 ± 615.697 χ^2/NDF : 17.8/17

All: -159.432 ± 429.405 χ^2/NDF : 30.2/38

- sign -487.725 ± 599.179 χ^2/NDF : 11.8/20

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

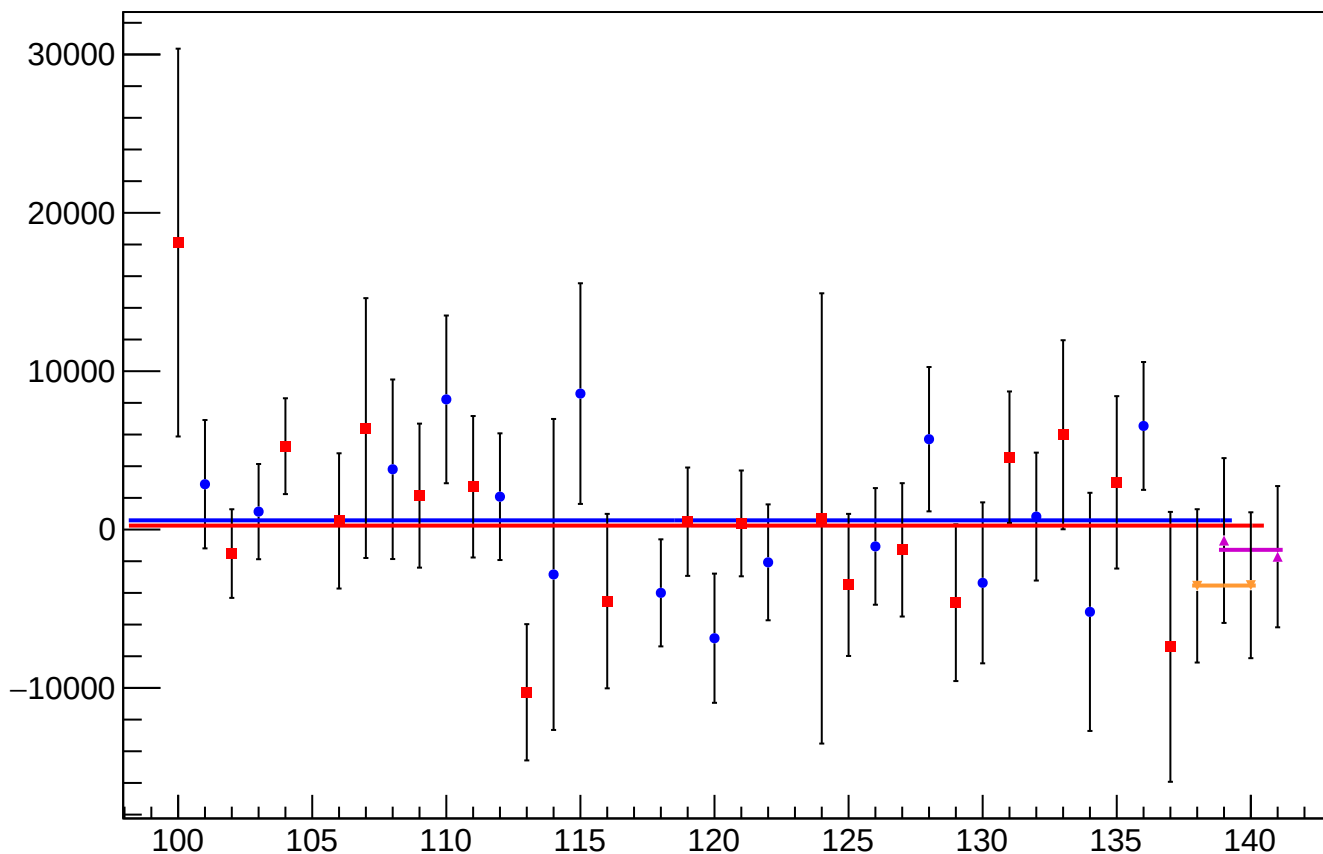
Left In: 1959.596 $\pm$ 1.053 χ^2 /NDF:653.0/1

+ sign 1794.158 $\pm$ 0.435 χ^2 /NDF: 697837.1/17

All: 1786.084 $\pm$ 0.303 χ^2 /NDF: 962153.8/38

- sign 1778.474 $\pm$ 0.423 χ^2 /NDF: 263648.7/20

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 $\chi^2/\text{NDF}: 17.9/18$

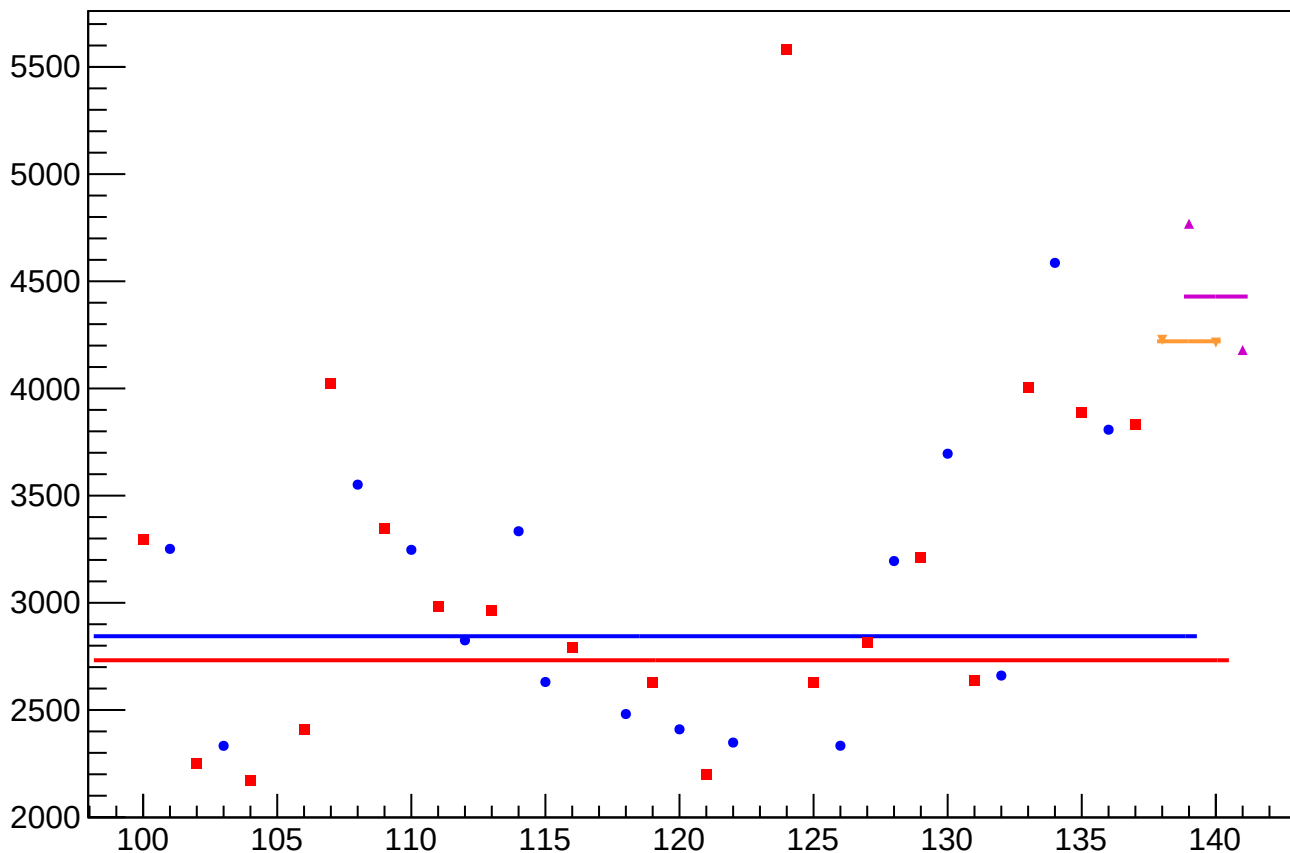
Left In: -1280.575 ± 3386.379 $\chi^2/\text{NDF}: 0.0/1$

+ sign 190.866 ± 1028.795 $\chi^2/\text{NDF}: 16.2/17$

All: 155.024 ± 708.654 $\chi^2/\text{NDF}: 34.4/38$

- sign 122.663 ± 977.545 $\chi^2/\text{NDF}: 18.1/20$

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

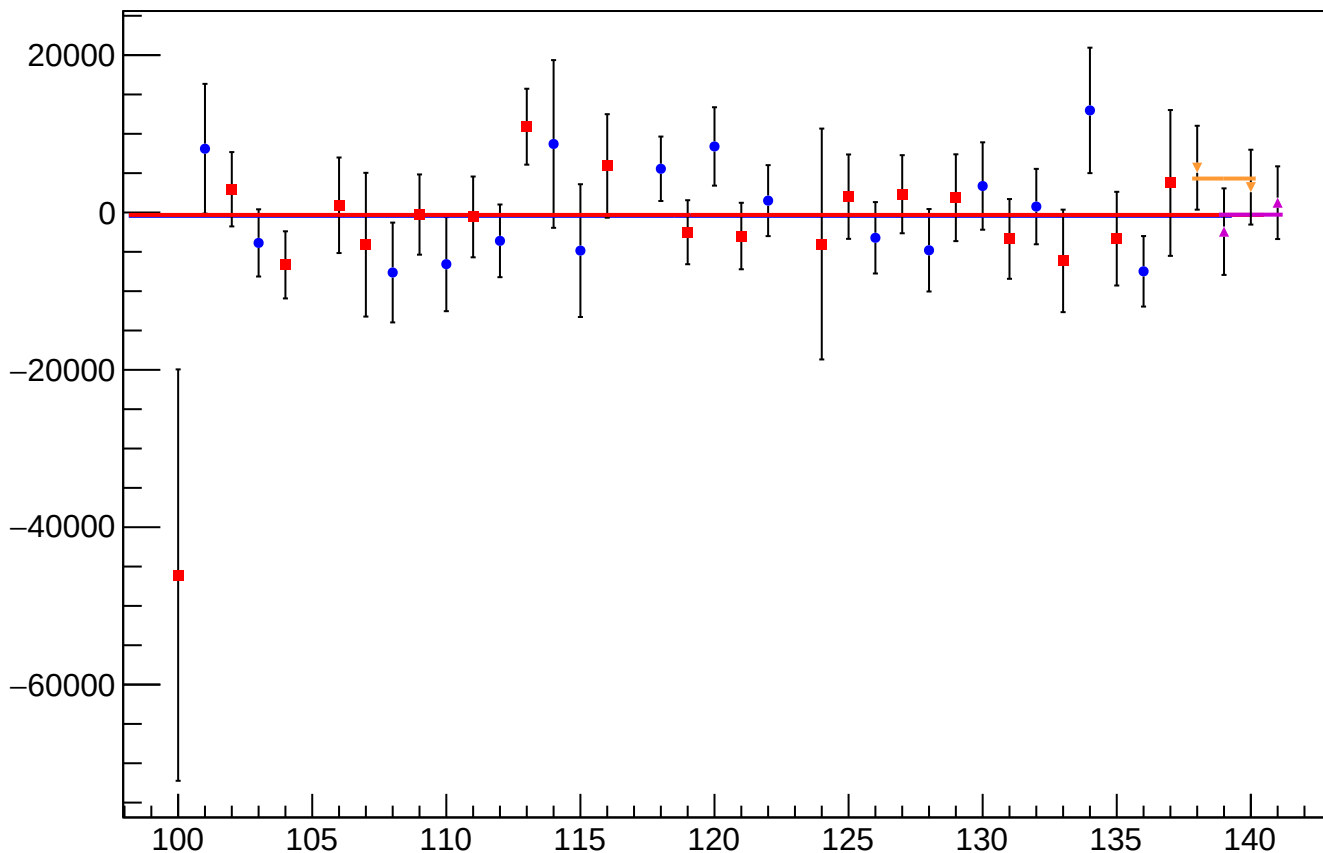
Left In: 4428.865+/-2.395 χ^2/NDF : 14778.8/1

+ sign 2974.931+/-0.727 χ^2/NDF : 849755.9/17

All: 2921.560+/-0.501 χ^2/NDF : 1946391.4/38

- sign 2873.374+/-0.691 χ^2/NDF : 1086393.5/20

asym_atr1l2_dd_mean vs Slug



Right In: -423.131 ± 1327.258 χ^2/NDF : 17.9/15

Left Out: 4314.519 ± 3549.249 χ^2/NDF : 0.1/1

Right Out: -307.823 ± 1275.718 χ^2/NDF : 15.3/18

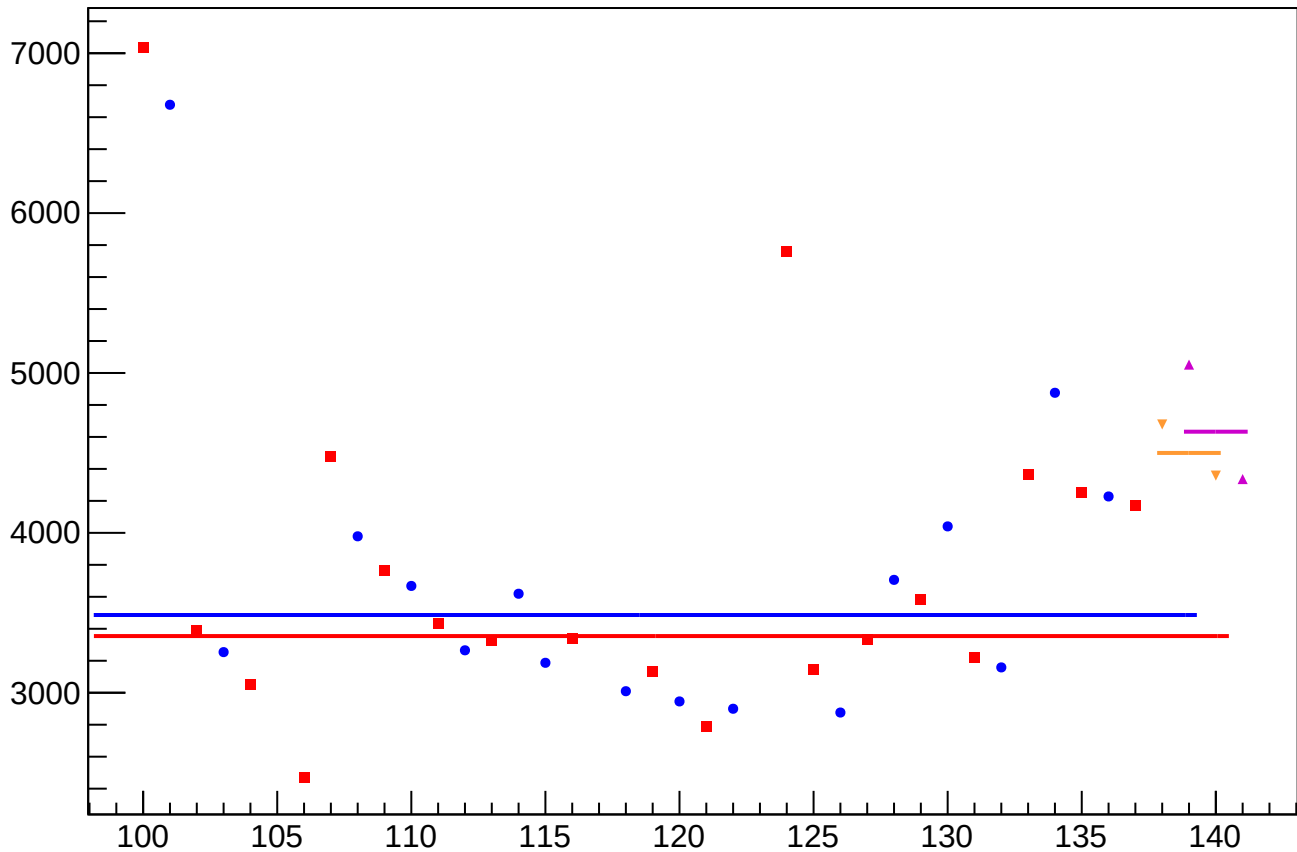
Left In: -276.411 ± 3538.112 χ^2/NDF : 0.3/1

+ sign 158.110 ± 1243.177 χ^2/NDF : 19.6/17

All: -81.200 ± 863.423 χ^2/NDF : 35.2/38

- sign -304.209 ± 1200.091 χ^2/NDF : 15.5/20

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF : 595790.9/15

Left Out: 4499.852+/-2.510 χ^2/NDF : 4011.3/1

Right Out: 3354.426+/-0.889 χ^2/NDF : 376426.3/18

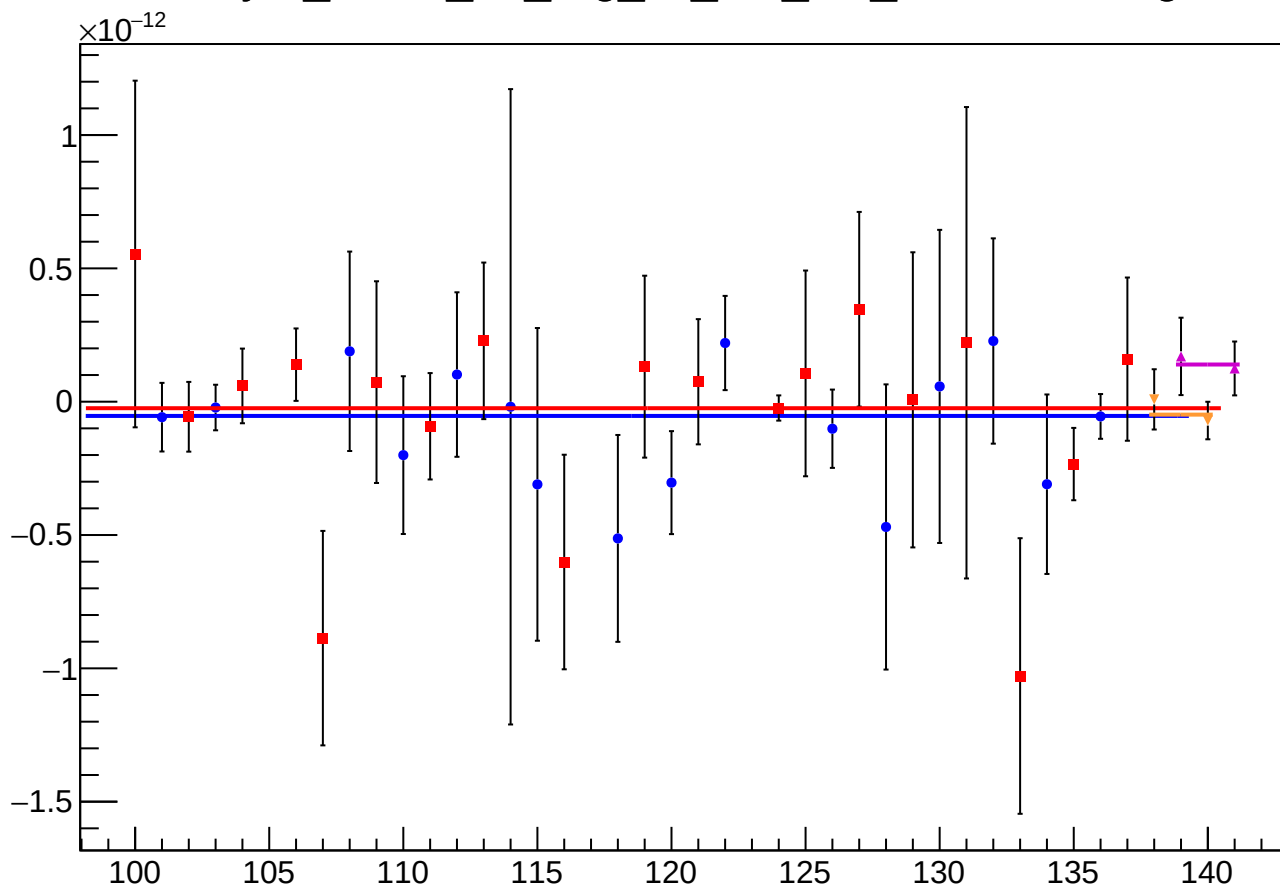
Left In: 4632.709+/-2.502 χ^2/NDF : 19863.7/1

+ sign 3610.531+/-0.879 χ^2/NDF : 742928.3/17

All: 3551.519+/-0.607 χ^2/NDF : 1379585.0/38

- sign 3497.877+/-0.838 χ^2/NDF : 628053.6/20

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 8.6/15

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

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

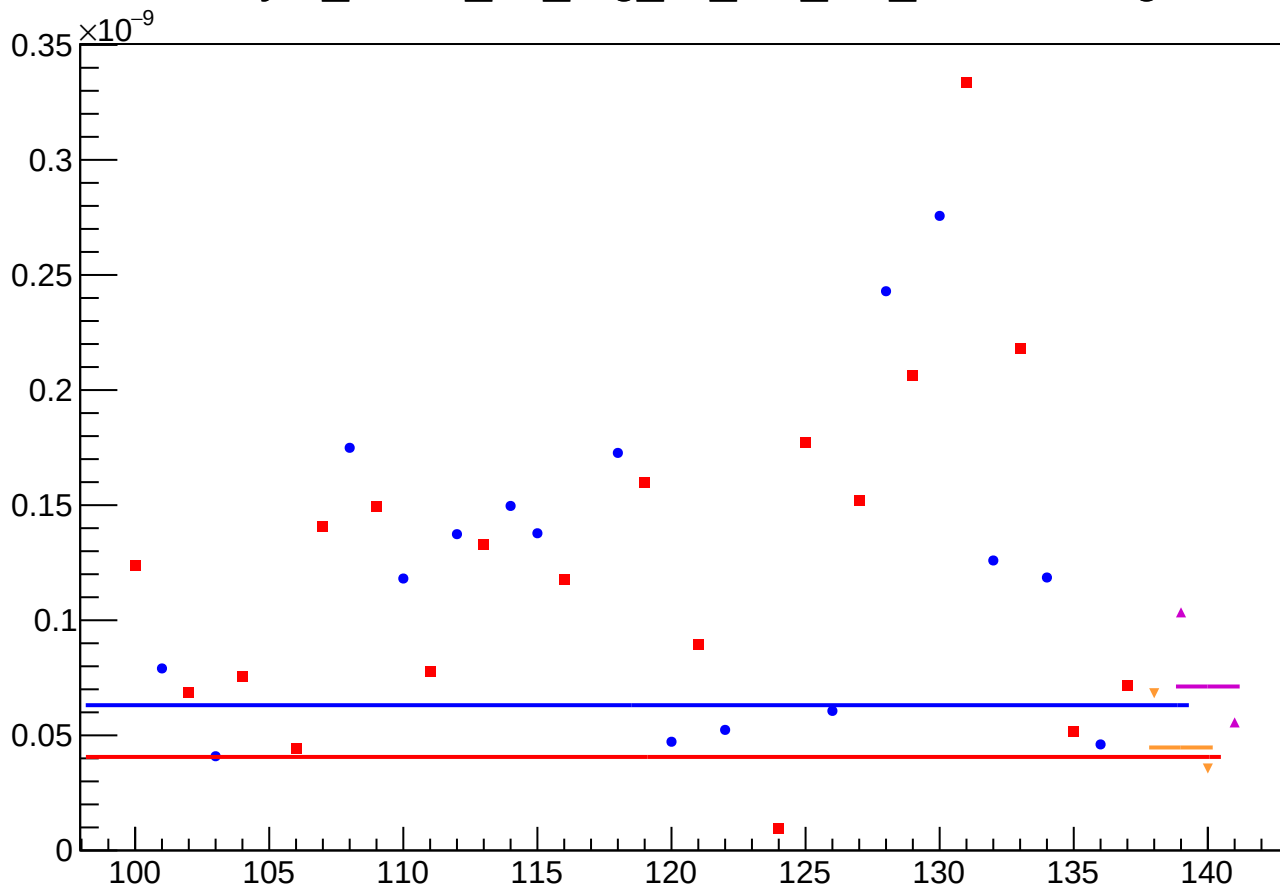
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 8.9/17

All: -0.000 ± 0.000 χ^2/NDF : 31.9/38

- sign 0.000 ± 0.000 χ^2/NDF : 21.7/20

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

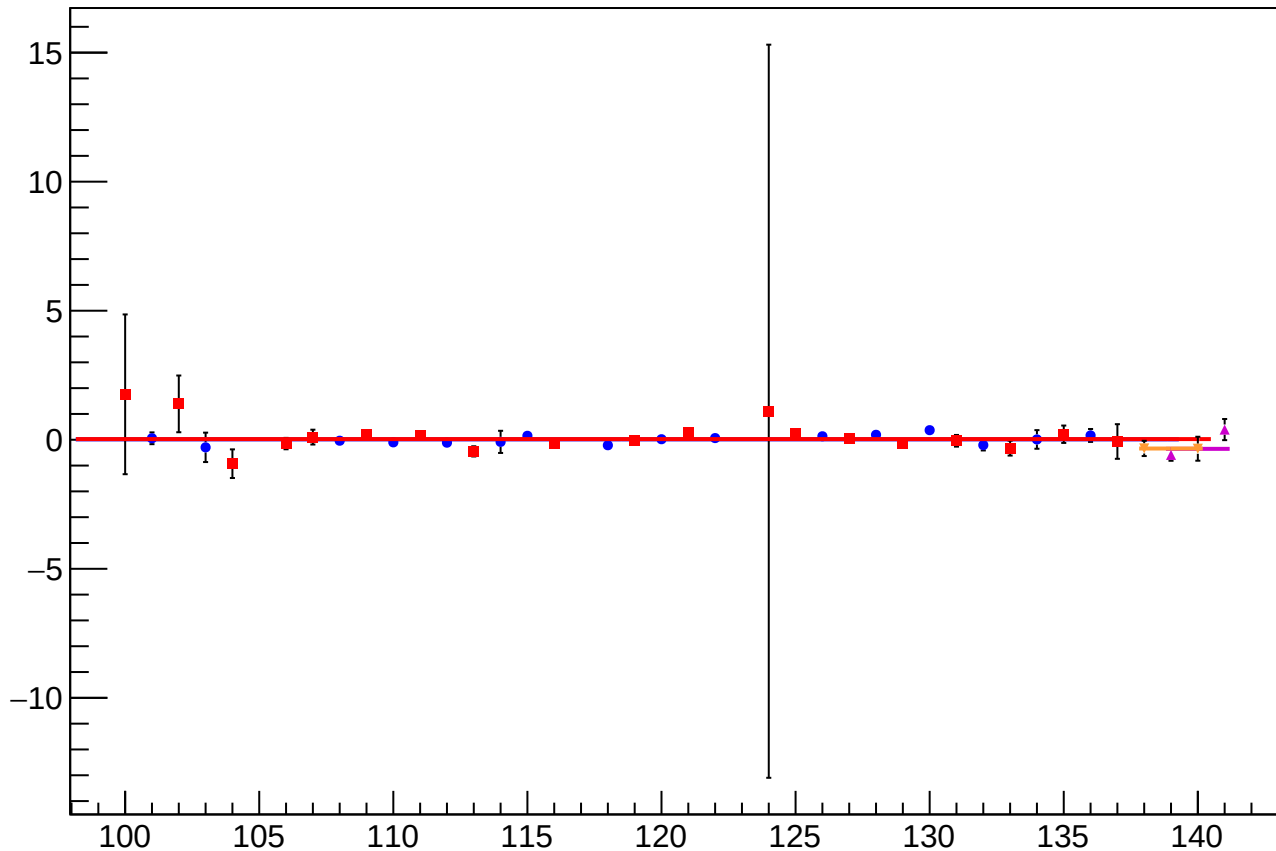
Left In: 0.000+/-0.000 χ^2/NDF :146245.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 1674343.8/17

All: 0.000+/-0.000 χ^2/NDF : 5328368.6/38

- sign 0.000+/-0.000 χ^2/NDF : 3548420.3/20

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.048 χ^2/NDF : 11.8/15

Left Out: -0.339 ± 0.249 χ^2/NDF : 0.0/1

Right Out: 0.026 ± 0.047 χ^2/NDF : 22.1/18

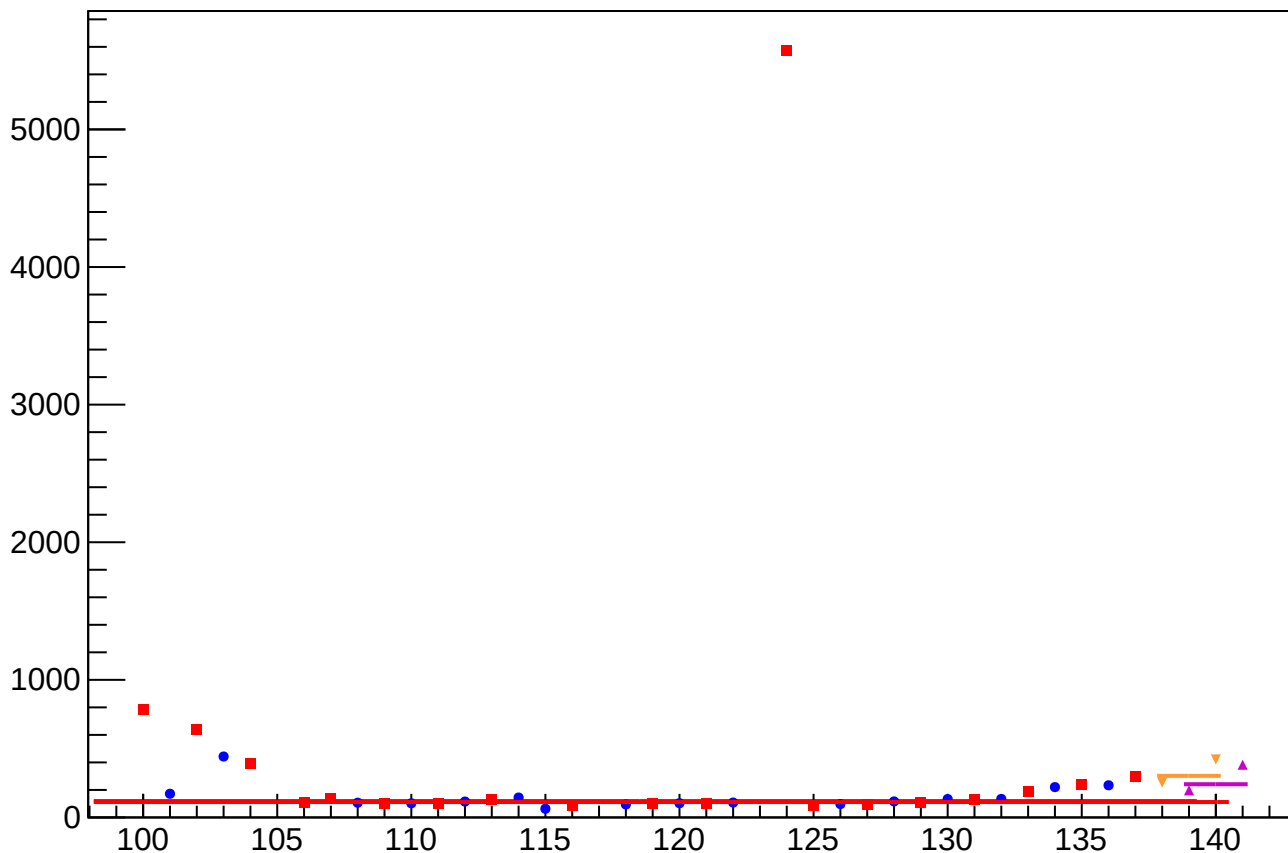
Left In: -0.352 ± 0.200 χ^2/NDF : 4.4/1

+ sign 0.003 ± 0.047 χ^2/NDF : 13.8/17

All: 0.004 ± 0.033 χ^2/NDF : 43.6/38

- sign 0.006 ± 0.046 χ^2/NDF : 29.8/20

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 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

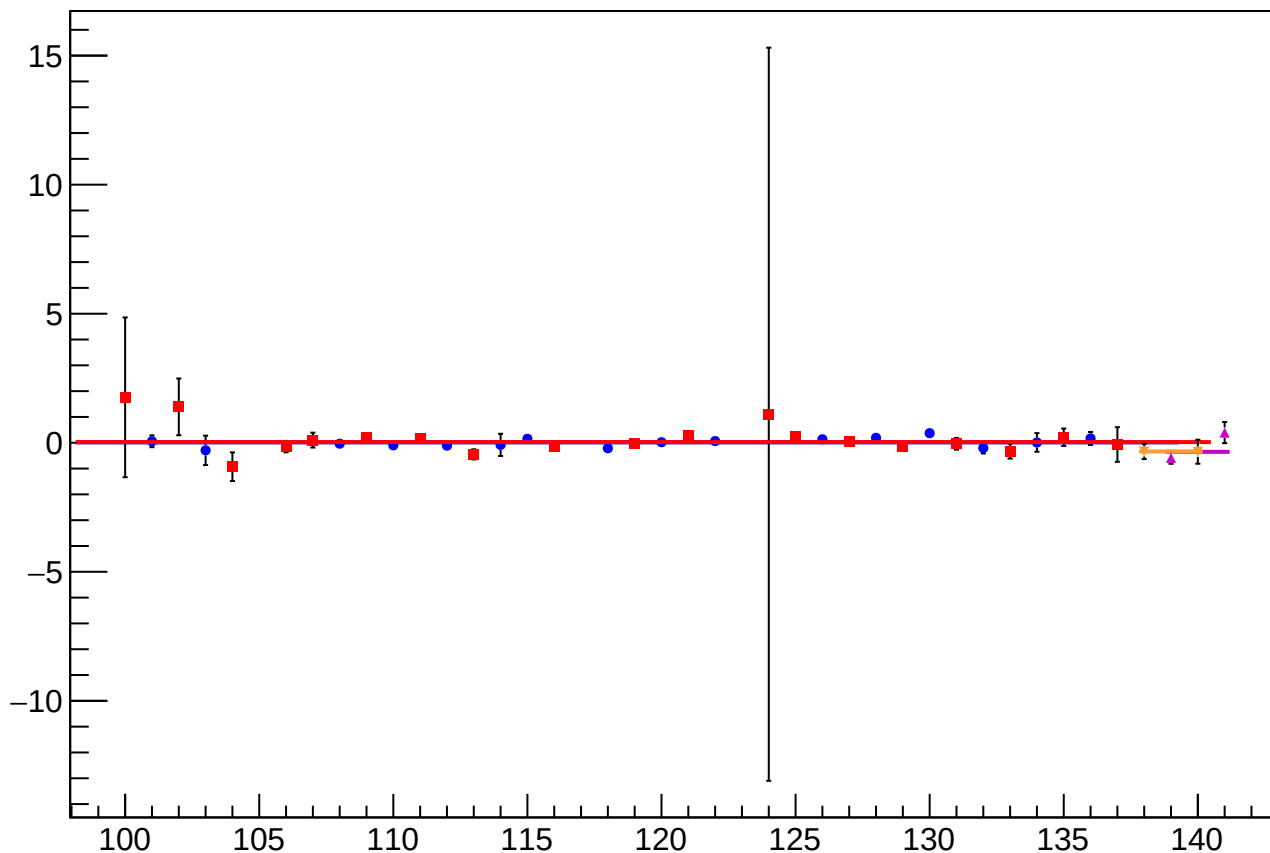
Left In: 241.587 $\pm$ 0.141 χ^2 /NDF:314417.2/1

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968121.7/17

All: 121.471 $\pm$ 0.023 χ^2 /NDF: 6278641.9/38

- sign 118.873 $\pm$ 0.032 χ^2 /NDF: 3297121.3/20

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

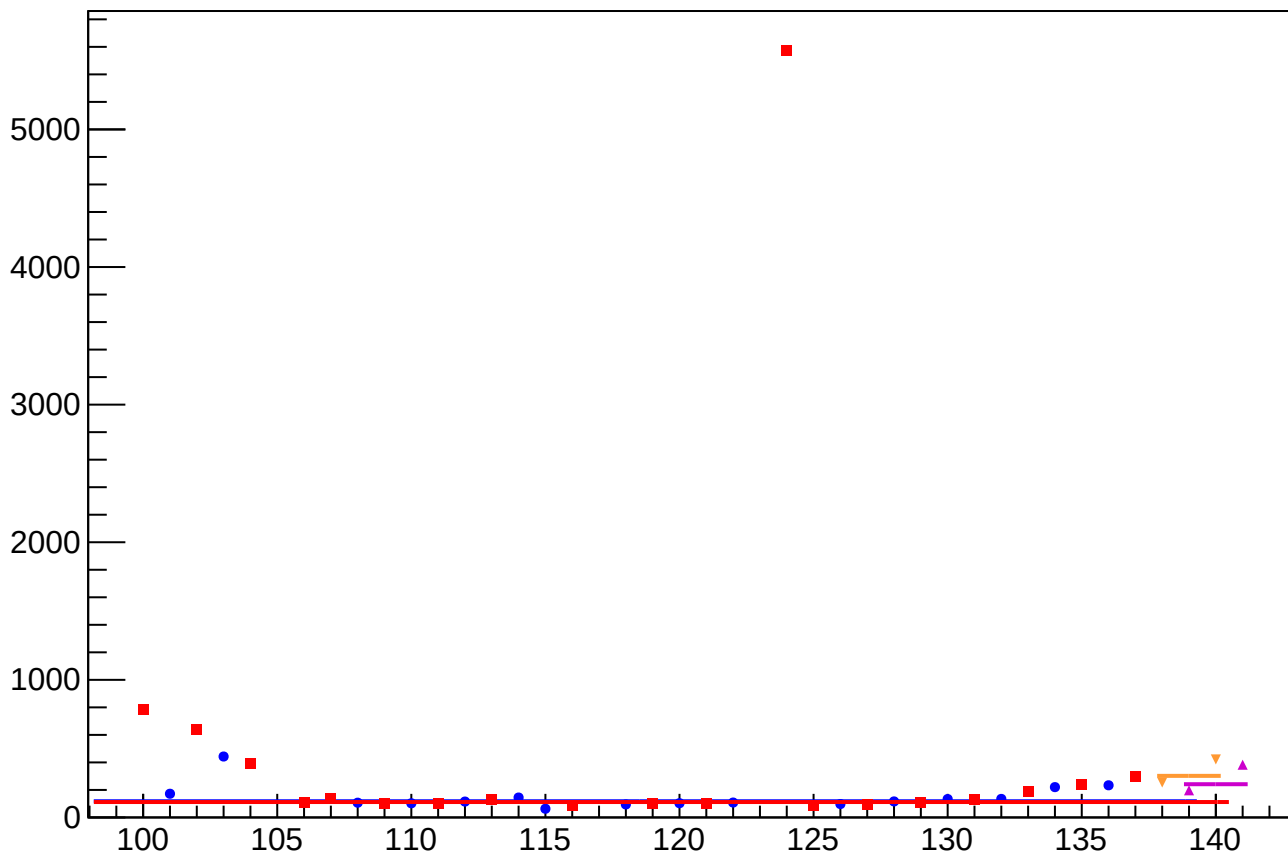
Left In: -0.352 ± 0.200 χ^2/NDF : 4.4/1

+ sign 0.003 ± 0.047 χ^2/NDF : 13.8/17

All: 0.004 ± 0.033 χ^2/NDF : 43.6/38

- sign 0.006 ± 0.046 χ^2/NDF : 29.8/20

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 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

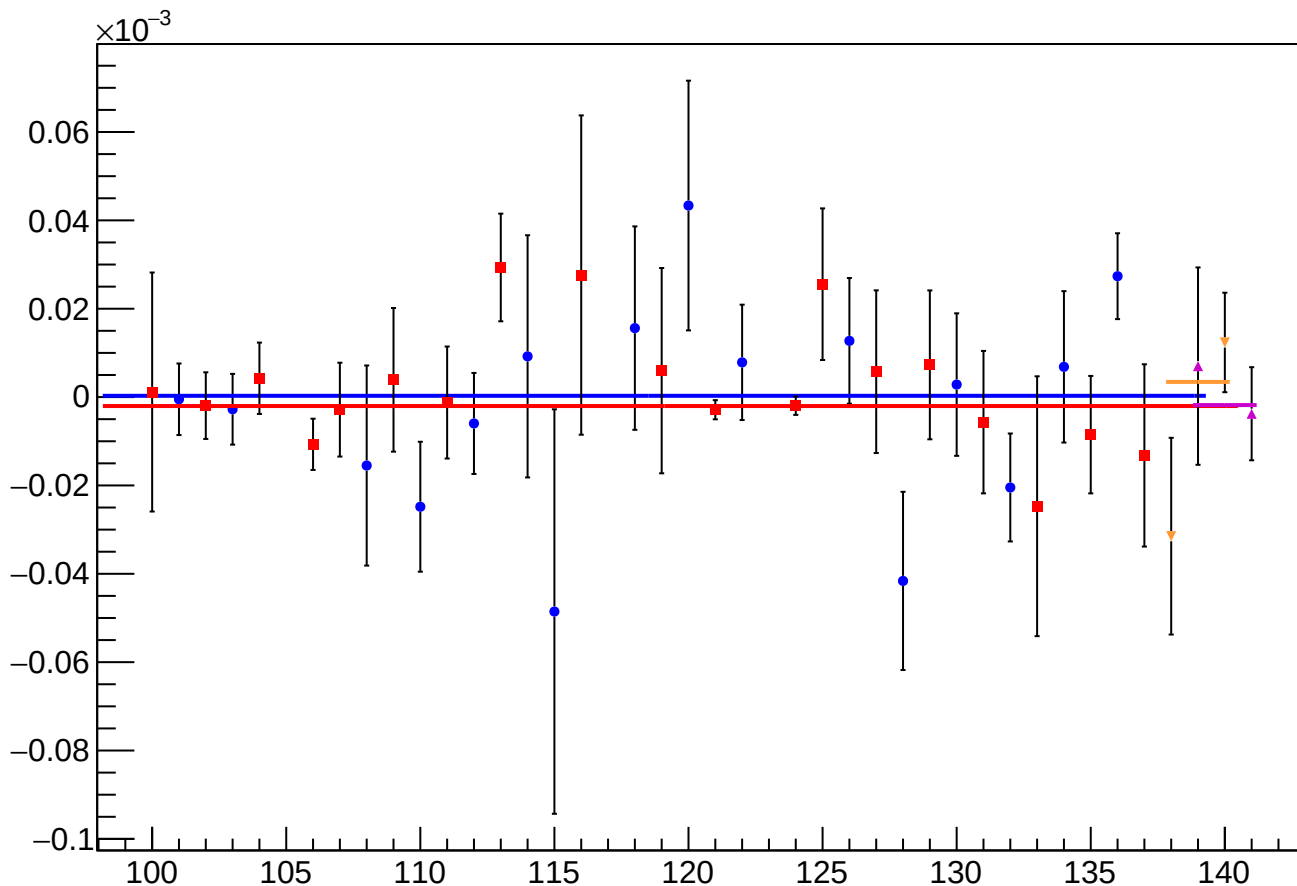
Left In: 241.587 $\pm$ 0.141 χ^2 /NDF:314417.2/1

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968121.7/17

All: 121.471 $\pm$ 0.023 χ^2 /NDF: 6278641.9/38

- sign 118.873 $\pm$ 0.032 χ^2 /NDF: 3297121.3/20

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

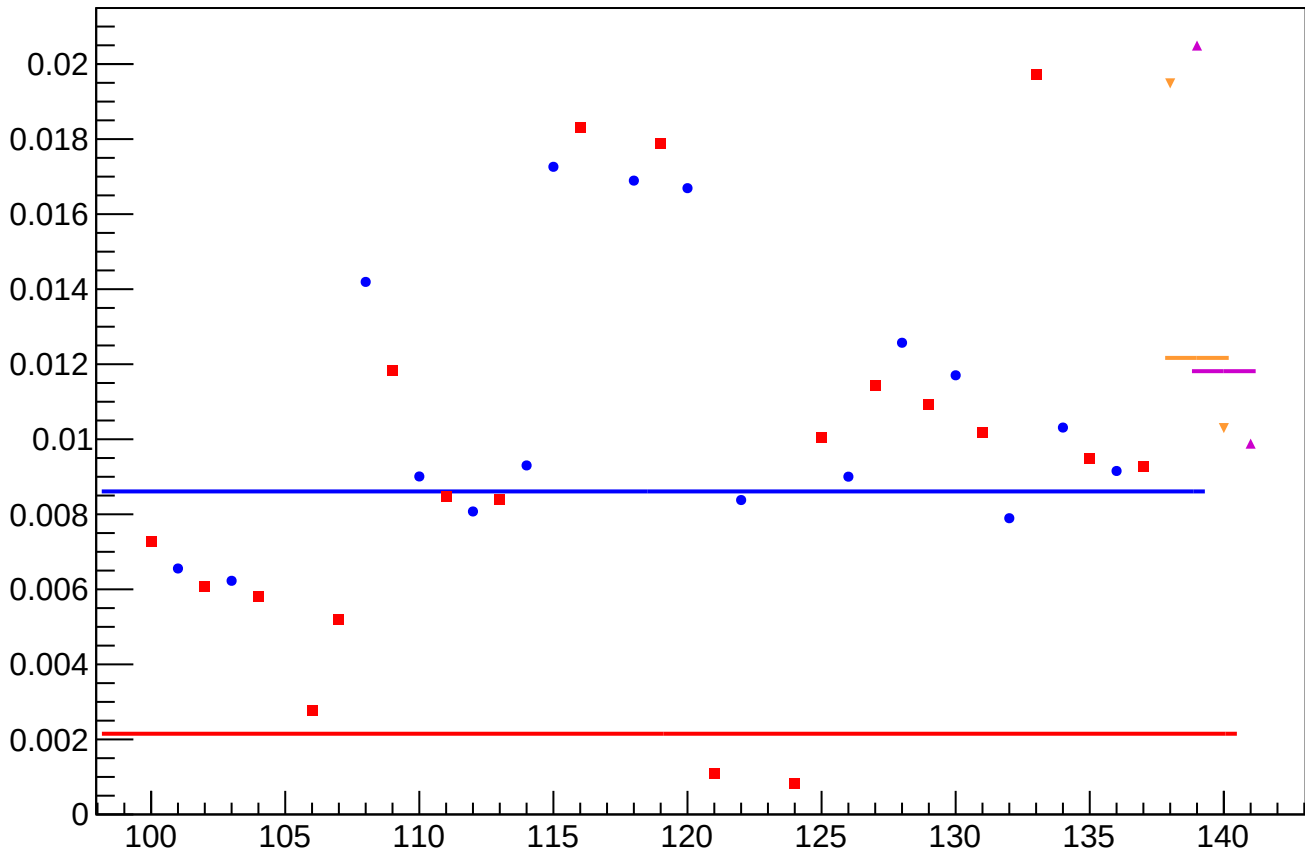
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/20

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

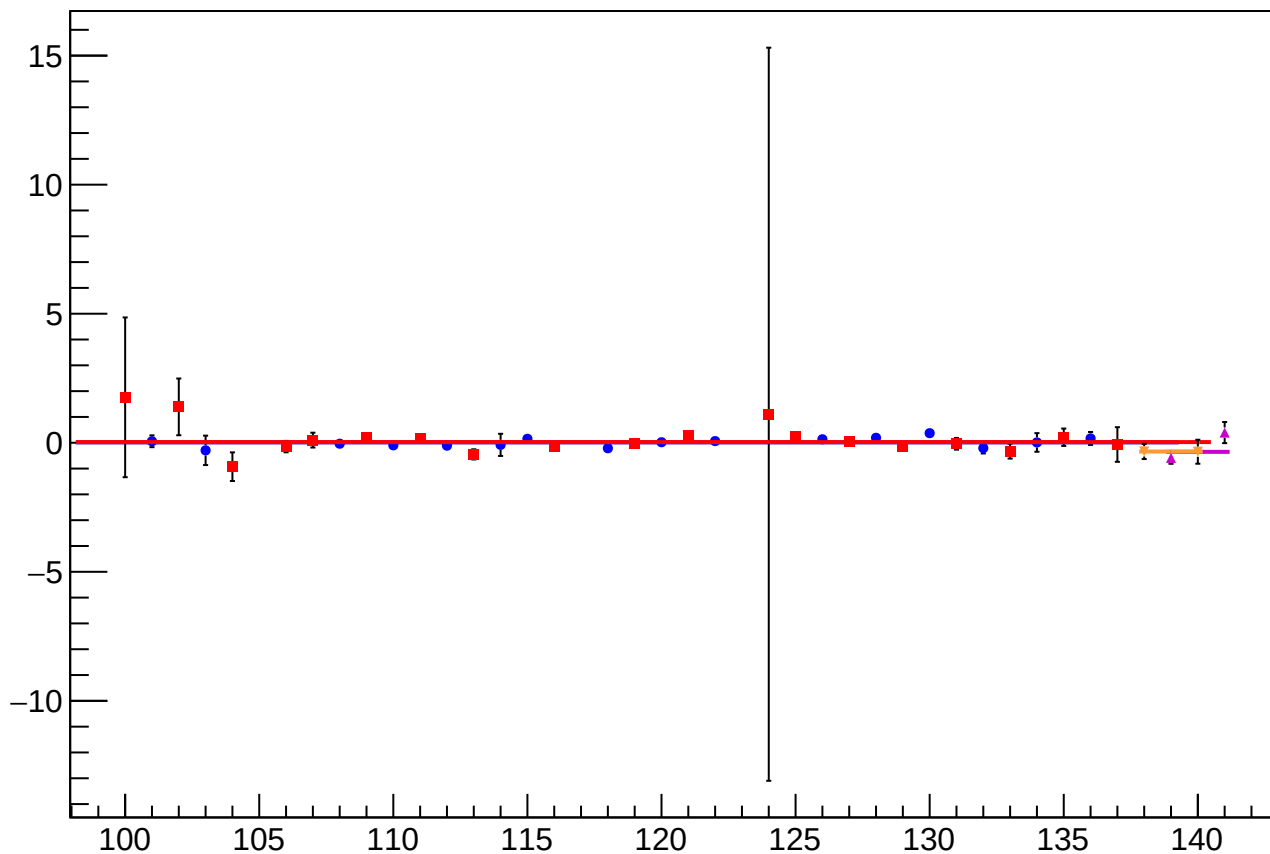
Left In: 0.012+/-0.000 χ^2/NDF : 369094.2/1

+ sign 0.009+/-0.000 χ^2/NDF : 1610861.3/17

All: 0.003+/-0.000 χ^2/NDF : 20423599.8/38

- sign 0.002+/-0.000 χ^2/NDF : 11472734.2/20

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

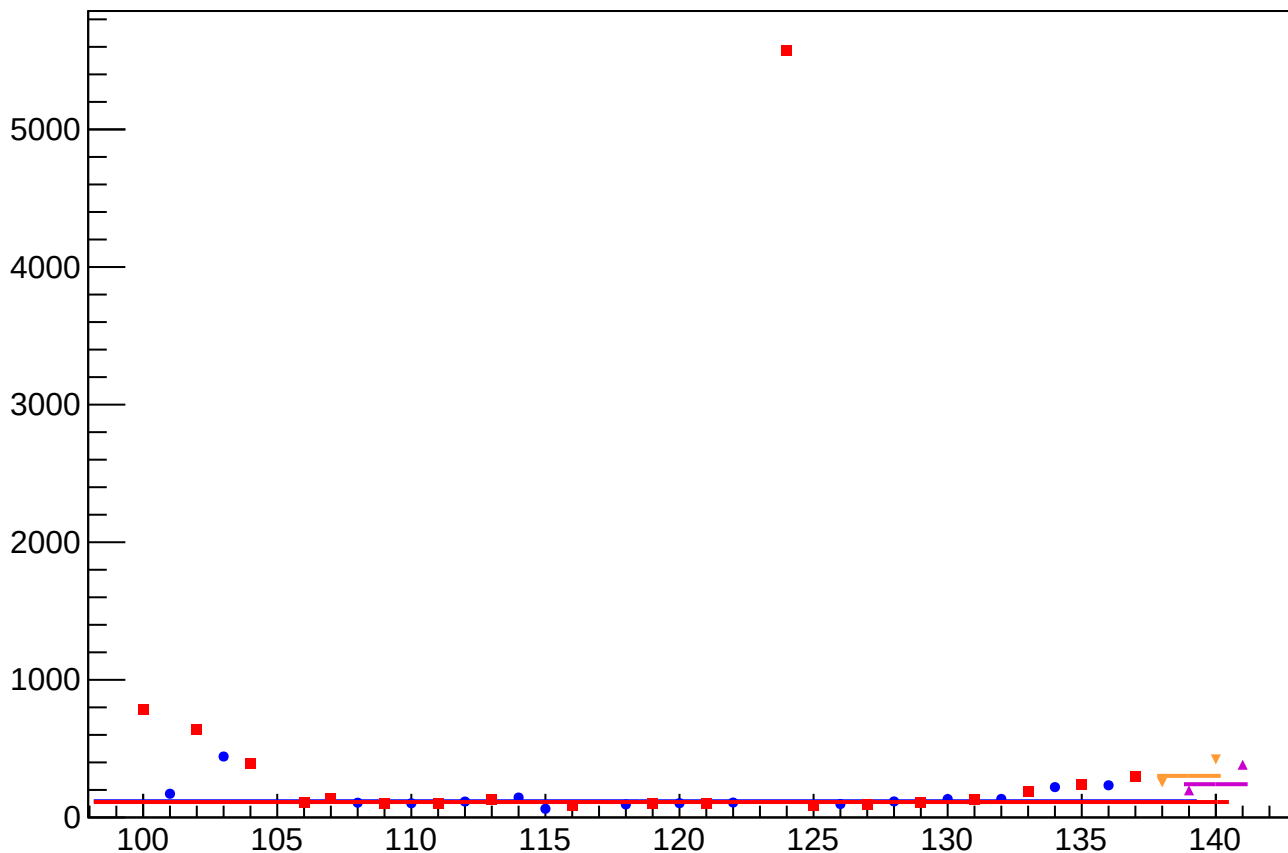
Left In: -0.352 $\pm$ 0.200 χ^2 /NDF: 4.4/1

+ sign 0.003 $\pm$ 0.047 χ^2 /NDF: 13.8/17

All: 0.004 $\pm$ 0.033 χ^2 /NDF: 43.6/38

- sign 0.006 $\pm$ 0.046 χ^2 /NDF: 29.8/20

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF : 1722367.8/15

Left Out: 302.281+/-0.176 χ^2/NDF : 185588.3/1

Right Out: 112.126+/-0.033 χ^2/NDF : 2186296.2/18

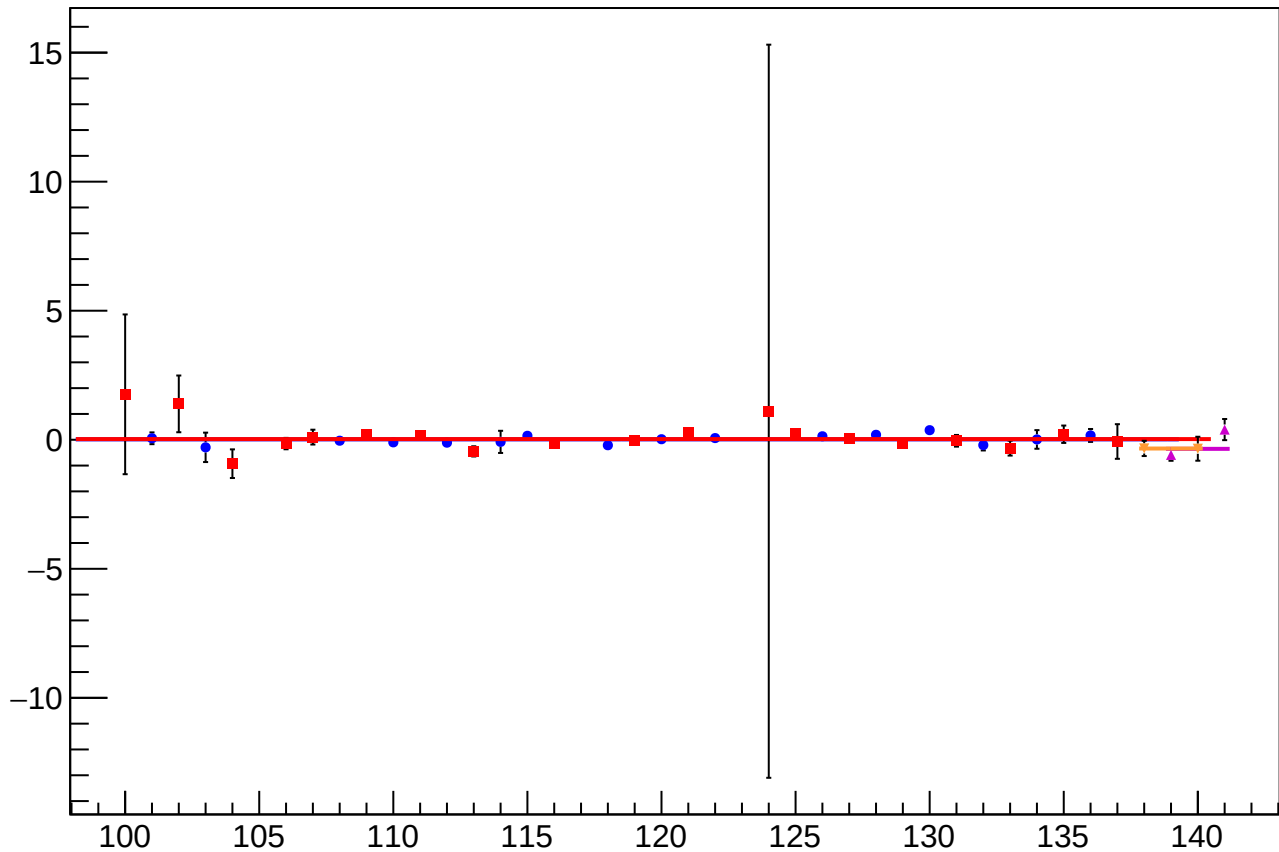
Left In: 241.592+/-0.141 χ^2/NDF : 314410.6/1

+ sign 124.235+/-0.033 χ^2/NDF : 2968106.7/17

All: 121.472+/-0.023 χ^2/NDF : 6278551.6/38

- sign 118.874+/-0.032 χ^2/NDF : 3297054.5/20

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

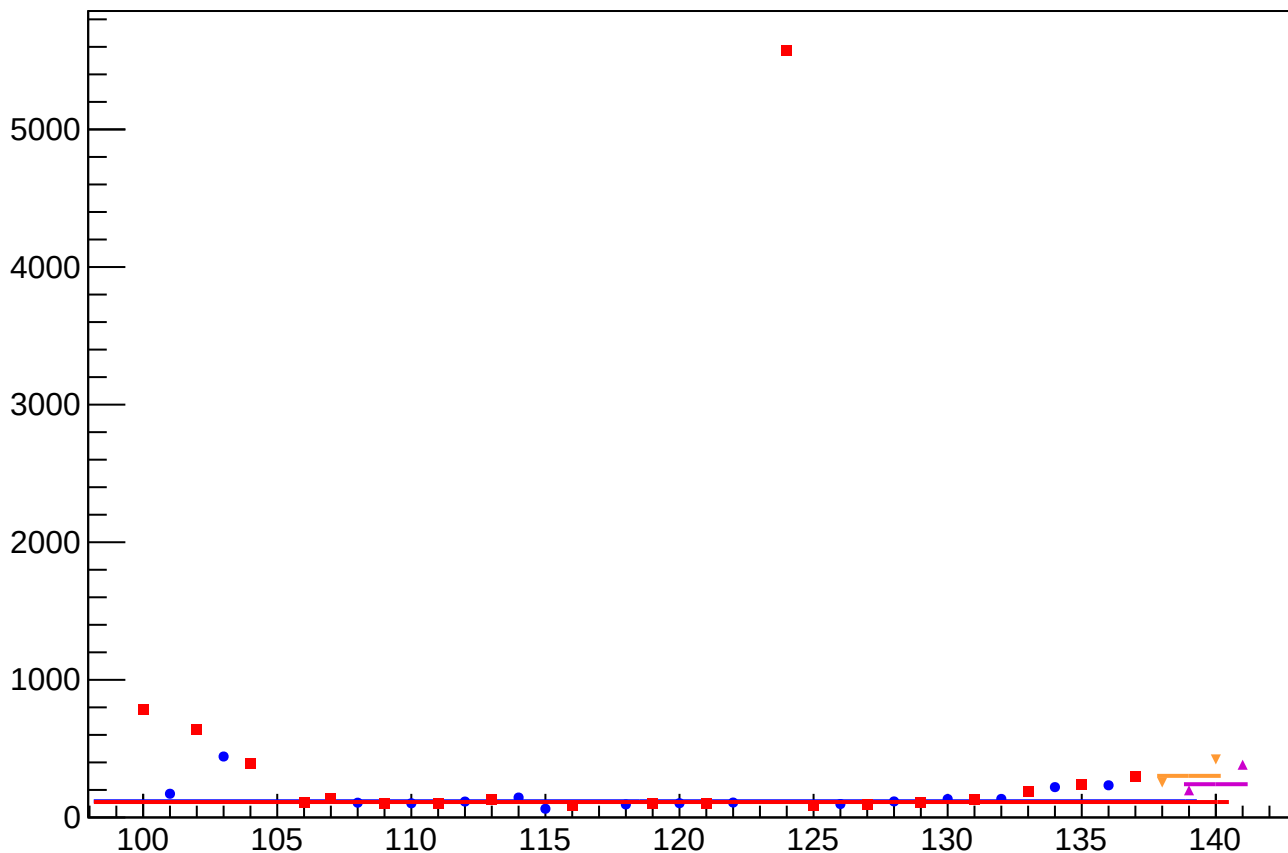
Left In: -0.352 $\pm$ 0.200 χ^2 /NDF: 4.4/1

+ sign 0.003 $\pm$ 0.047 χ^2 /NDF: 13.8/17

All: 0.004 $\pm$ 0.033 χ^2 /NDF: 43.6/38

- sign 0.006 $\pm$ 0.046 χ^2 /NDF: 29.8/20

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

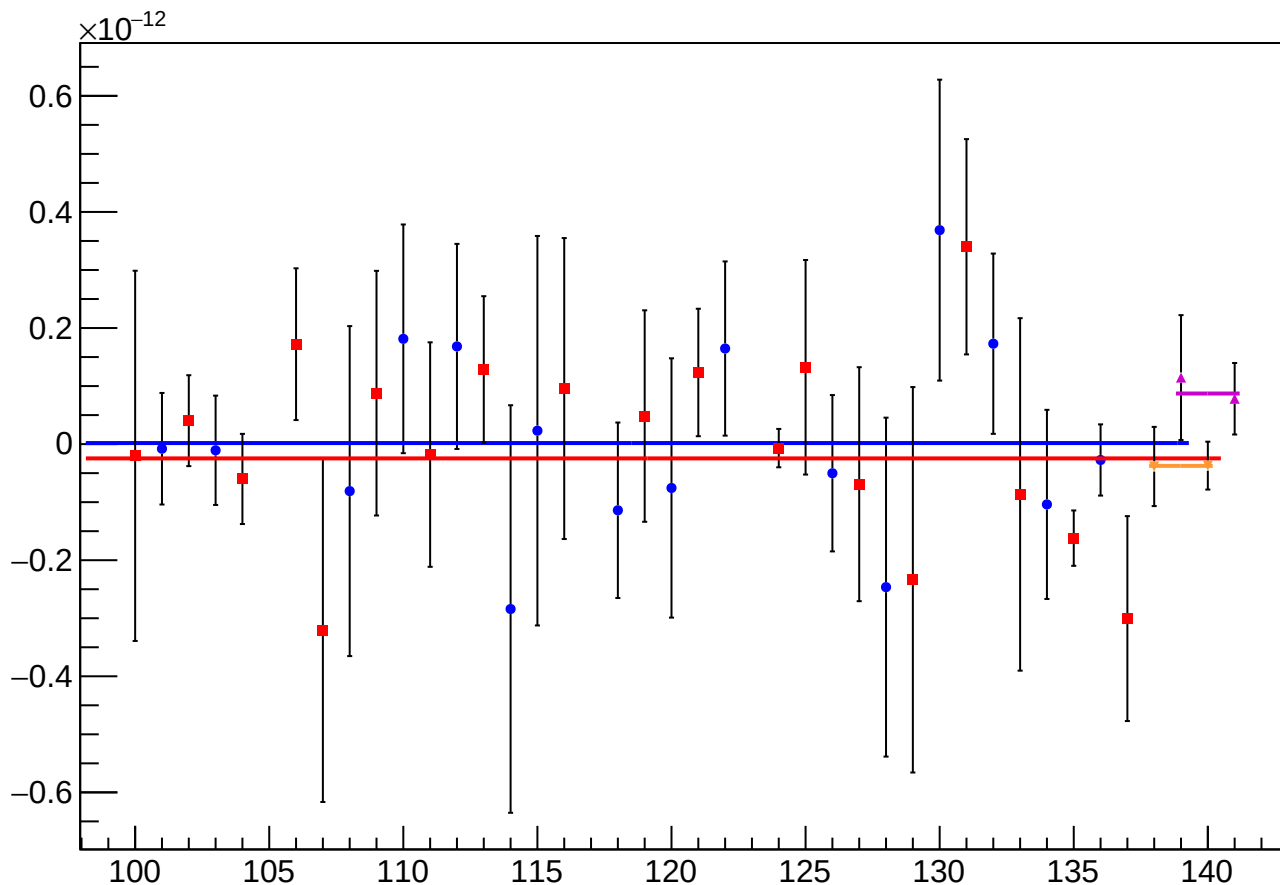
Left In: 241.592 $\pm$ 0.141 χ^2 /NDF:314410.6/1

+ sign 124.235 $\pm$ 0.033 χ^2 /NDF: 2968106.7/17

All: 121.472 $\pm$ 0.023 χ^2 /NDF: 6278551.6/38

- sign 118.874 $\pm$ 0.032 χ^2 /NDF: 3297054.5/20

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/18

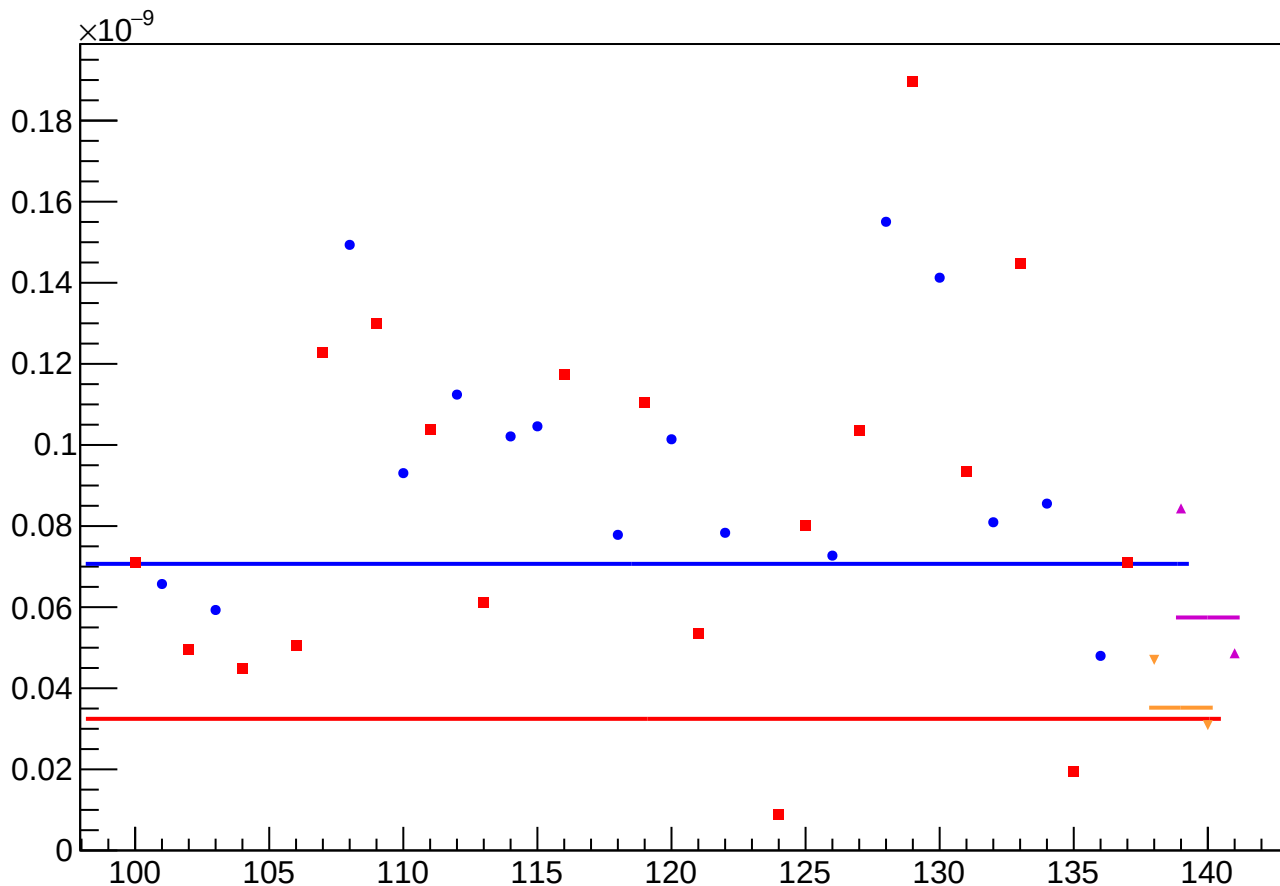
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 9.8/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/20

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

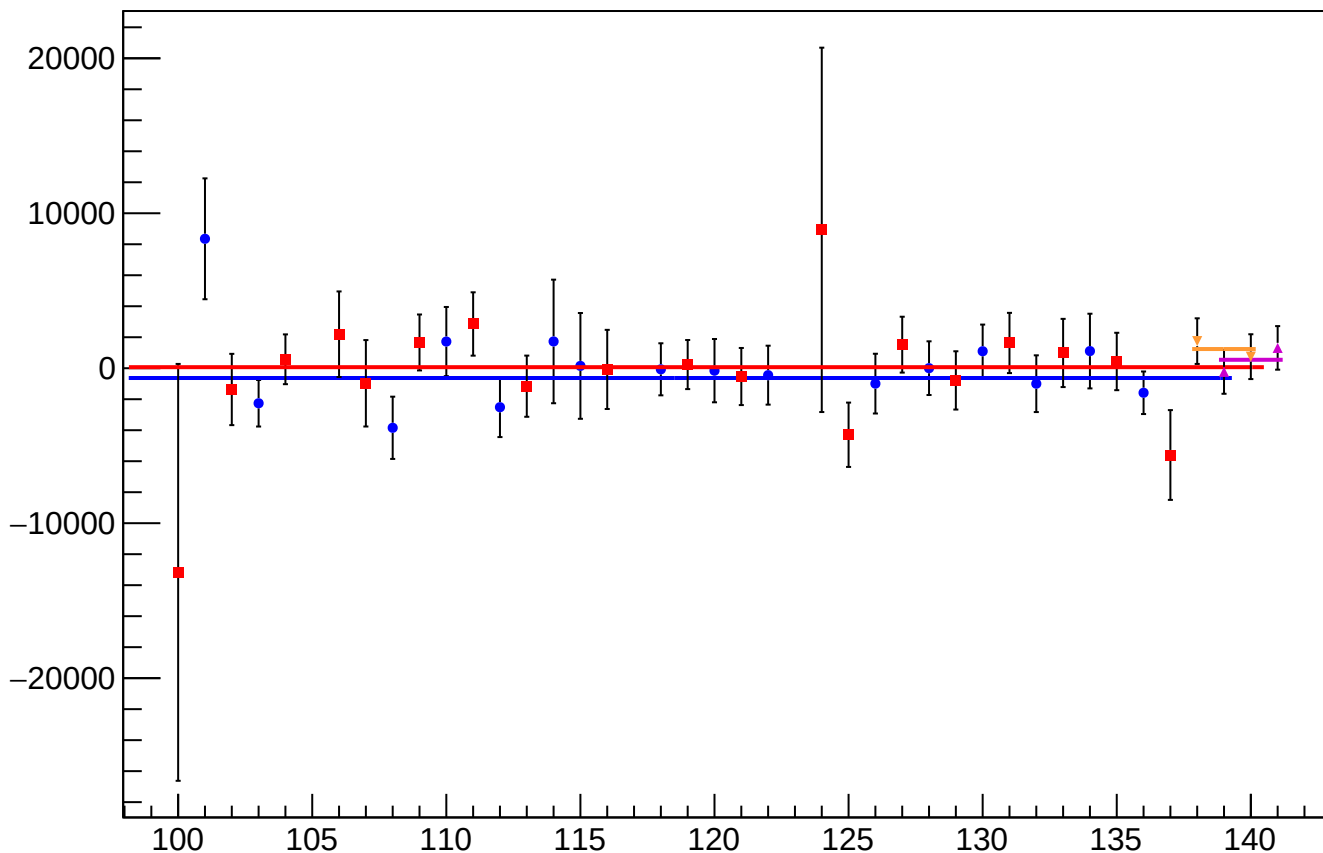
Left In: 0.000+/-0.000 χ^2/NDF : 166158.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2139432.1/17

All: 0.000+/-0.000 χ^2/NDF : 7731062.5/38

- sign 0.000+/-0.000 χ^2/NDF : 4991372.3/20

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

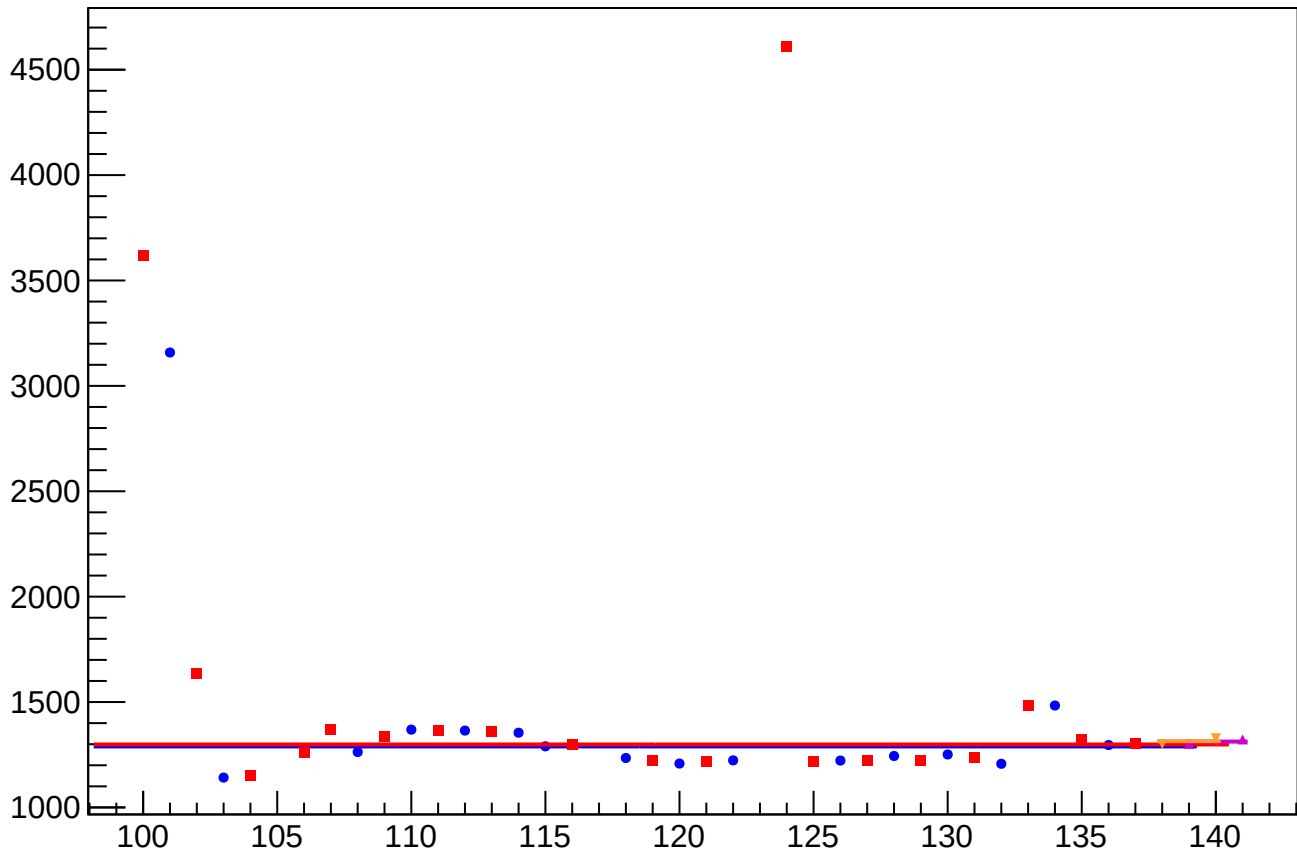
Left In: 544.636 ± 997.379 χ^2/NDF : 0.6/1

+ sign -288.393 ± 441.622 χ^2/NDF : 16.8/17

All: -62.586 ± 311.046 χ^2/NDF : 34.0/38

- sign 159.704 ± 438.170 χ^2/NDF : 16.7/20

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 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

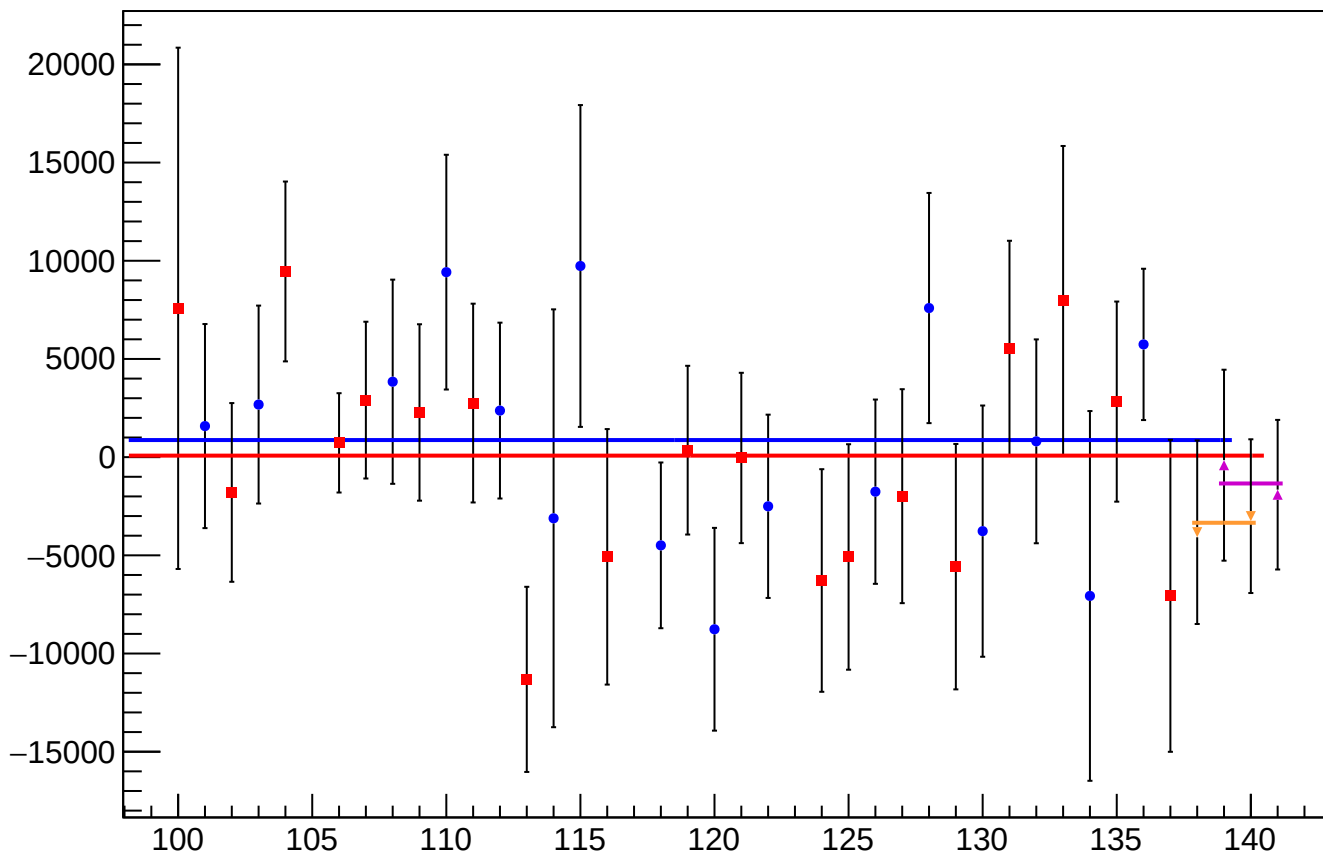
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF:216.7/1

+ sign 1294.033 $\pm$ 0.312 χ^2 /NDF: 515981.5/17

All: 1297.700 $\pm$ 0.220 χ^2 /NDF: 836152.2/38

- sign 1301.294 $\pm$ 0.309 χ^2 /NDF: 319897.7/20

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

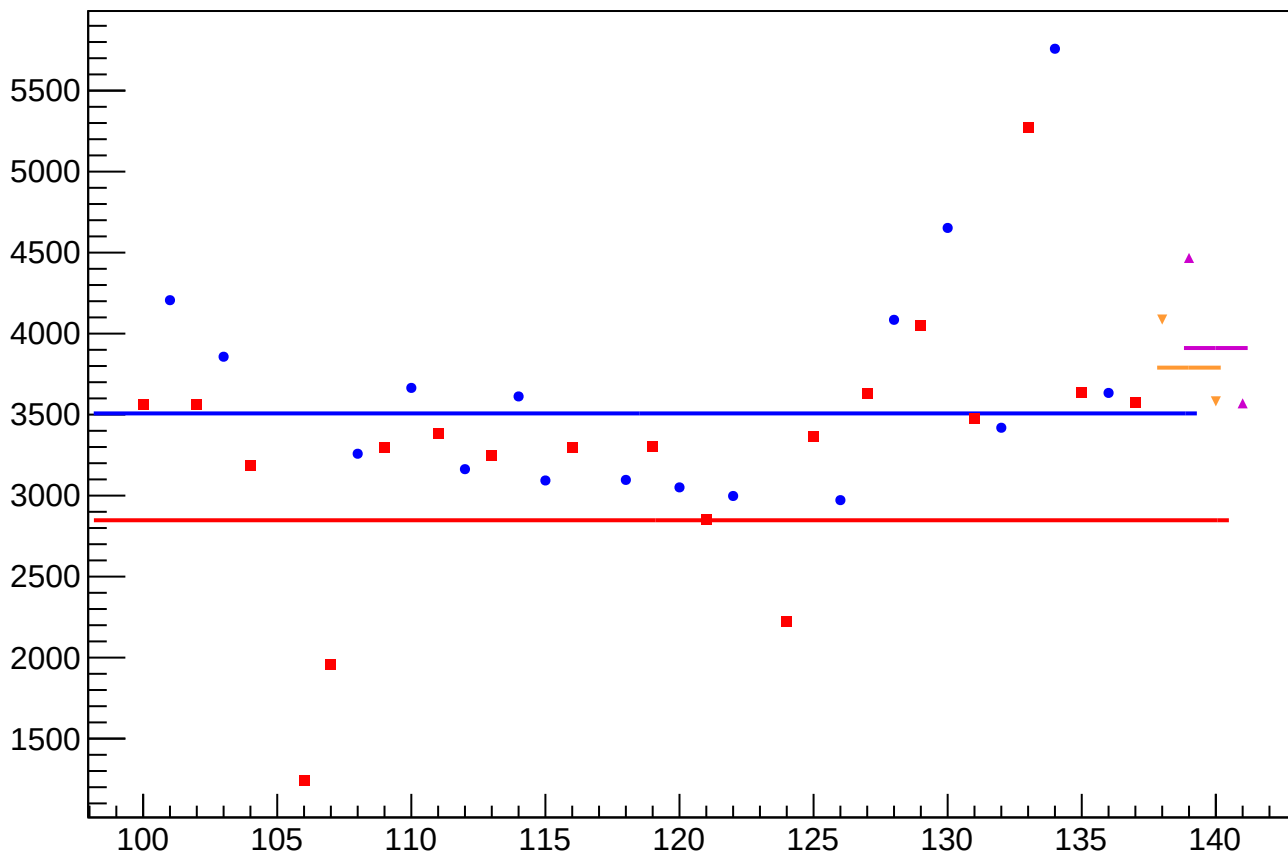
Left In: -1340.957 $\pm$ 2998.457 χ^2 /NDF: 0.1/1

+ sign 182.842 $\pm$ 1212.320 χ^2 /NDF: 15.7/17

All: 23.658 $\pm$ 790.154 χ^2 /NDF: 34.4/38

- sign -93.905 $\pm$ 1041.848 χ^2 /NDF: 18.6/20

asym_atl_dd_atr_dd_avg_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

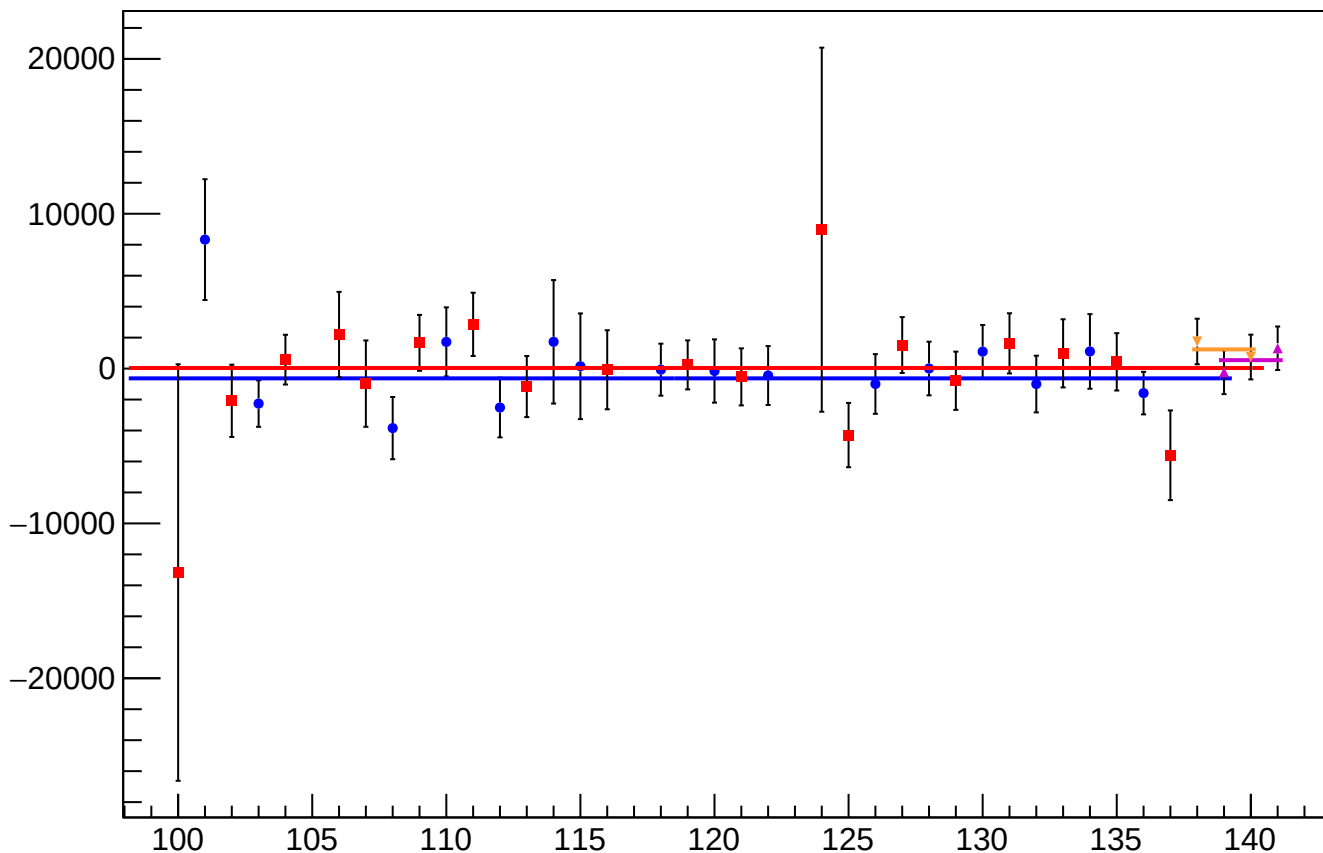
Left In: 3910.991 $\pm$ 2.120 χ^2/NDF :42242.3/1

+ sign 3553.520 $\pm$ 0.857 χ^2/NDF : 382542.1/17

All: 3221.441 $\pm$ 0.559 χ^2/NDF : 2406133.0/38

- sign 2976.187 $\pm$ 0.737 χ^2/NDF : 1762697.4/20

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

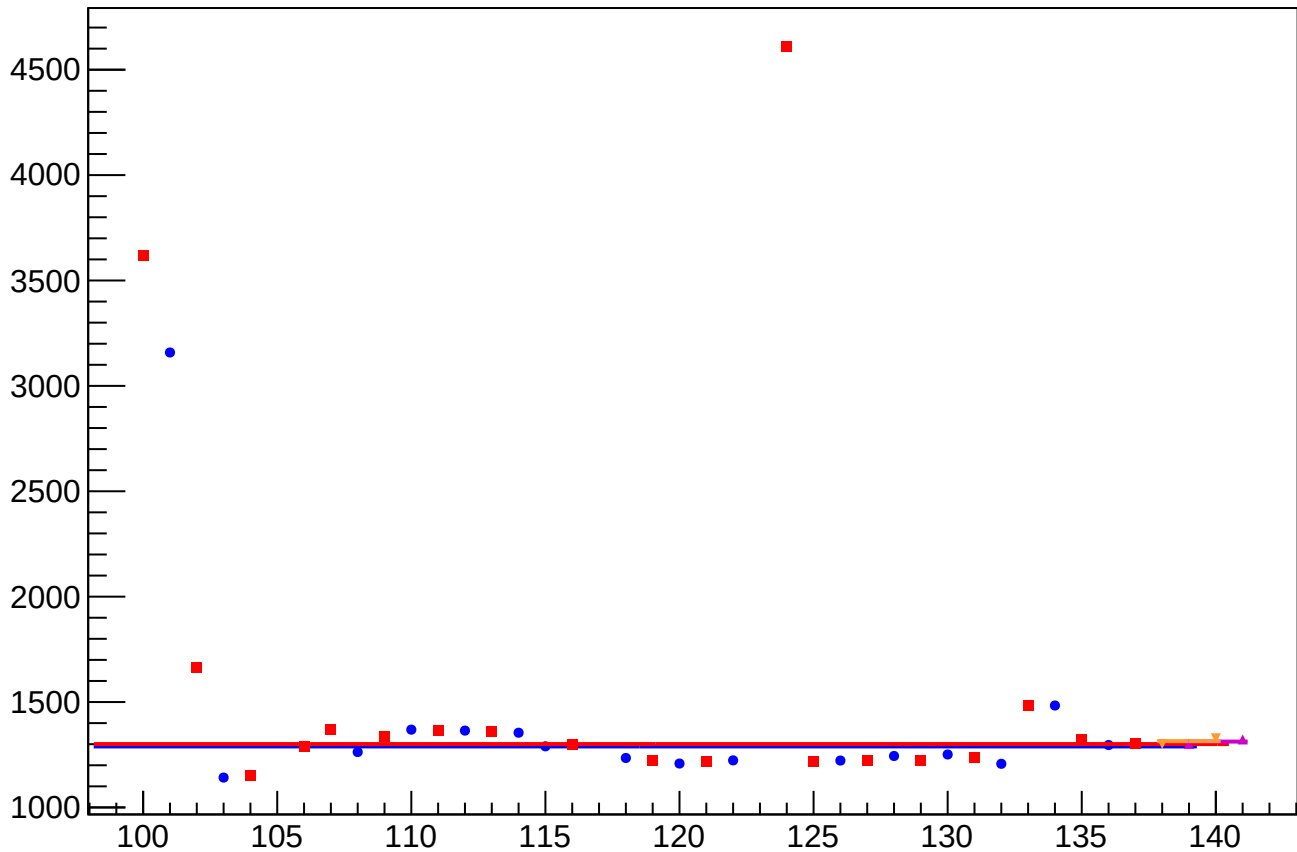
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -74.633+/-311.130 χ^2/NDF : 34.4/38

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 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

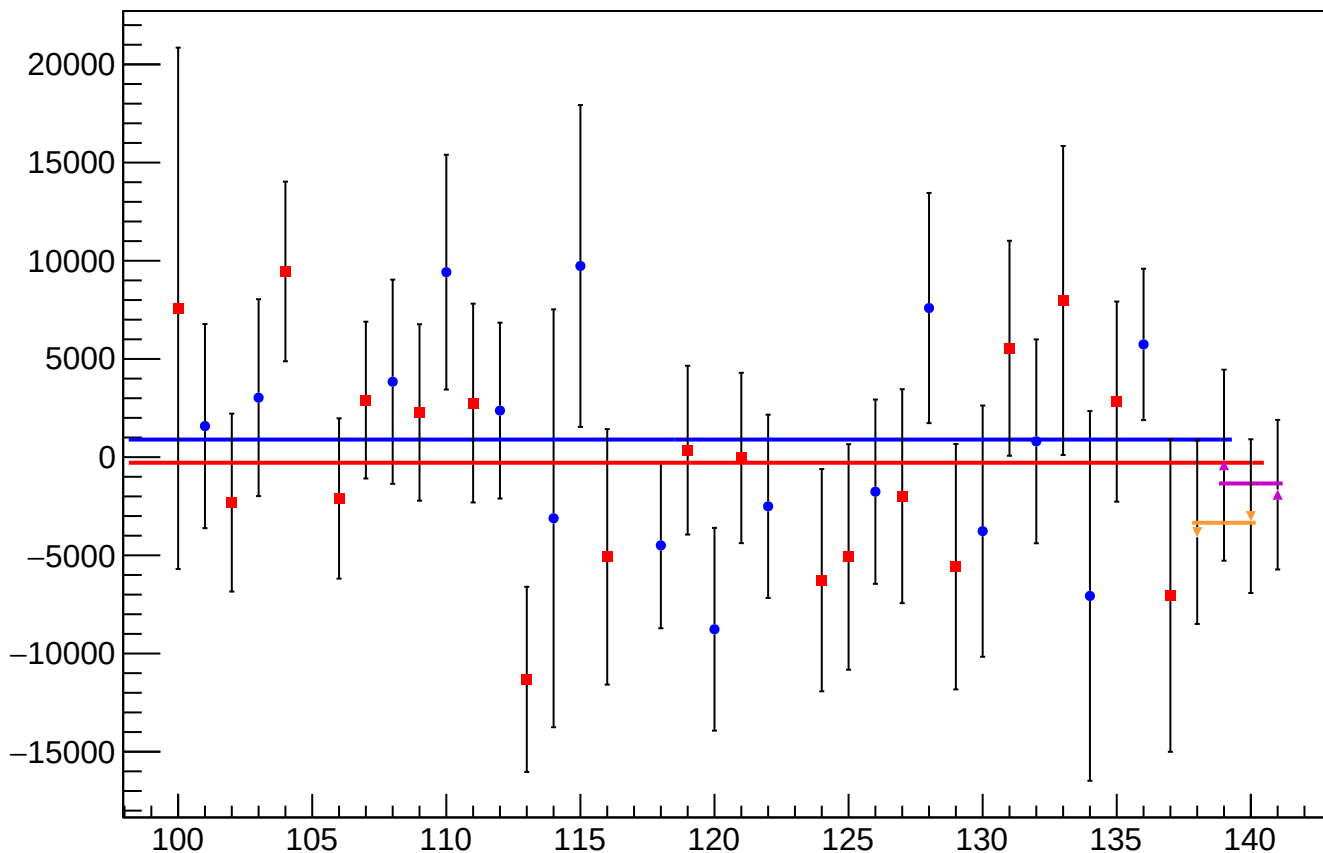
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1298.524 $\pm$ 0.220 χ^2 /NDF: 842739.8/38

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3342.029 ± 3000.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

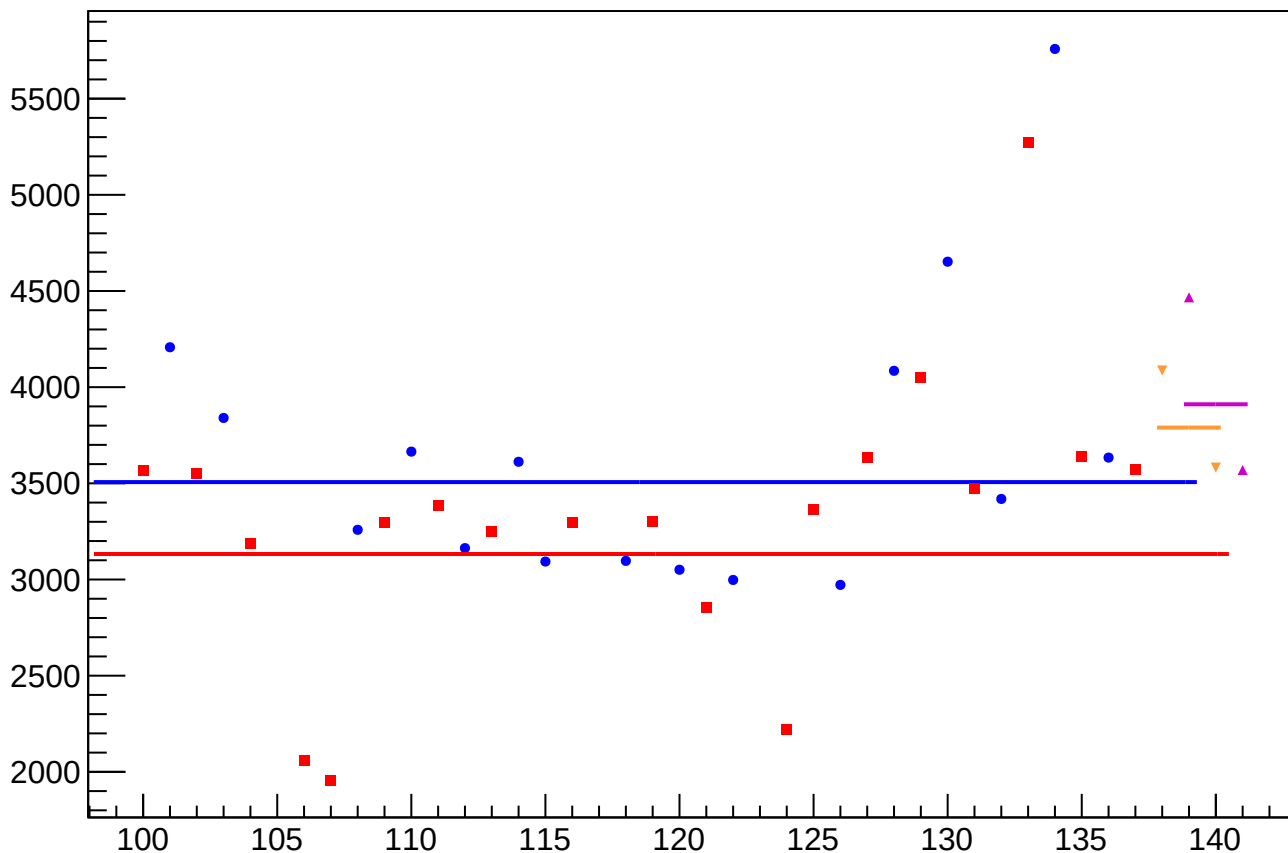
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign 204.754 ± 1211.971 $\chi^2/\text{NDF}: 15.8/17$

All: -141.134 ± 814.771 $\chi^2/\text{NDF}: 34.7/38$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF : 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF :13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

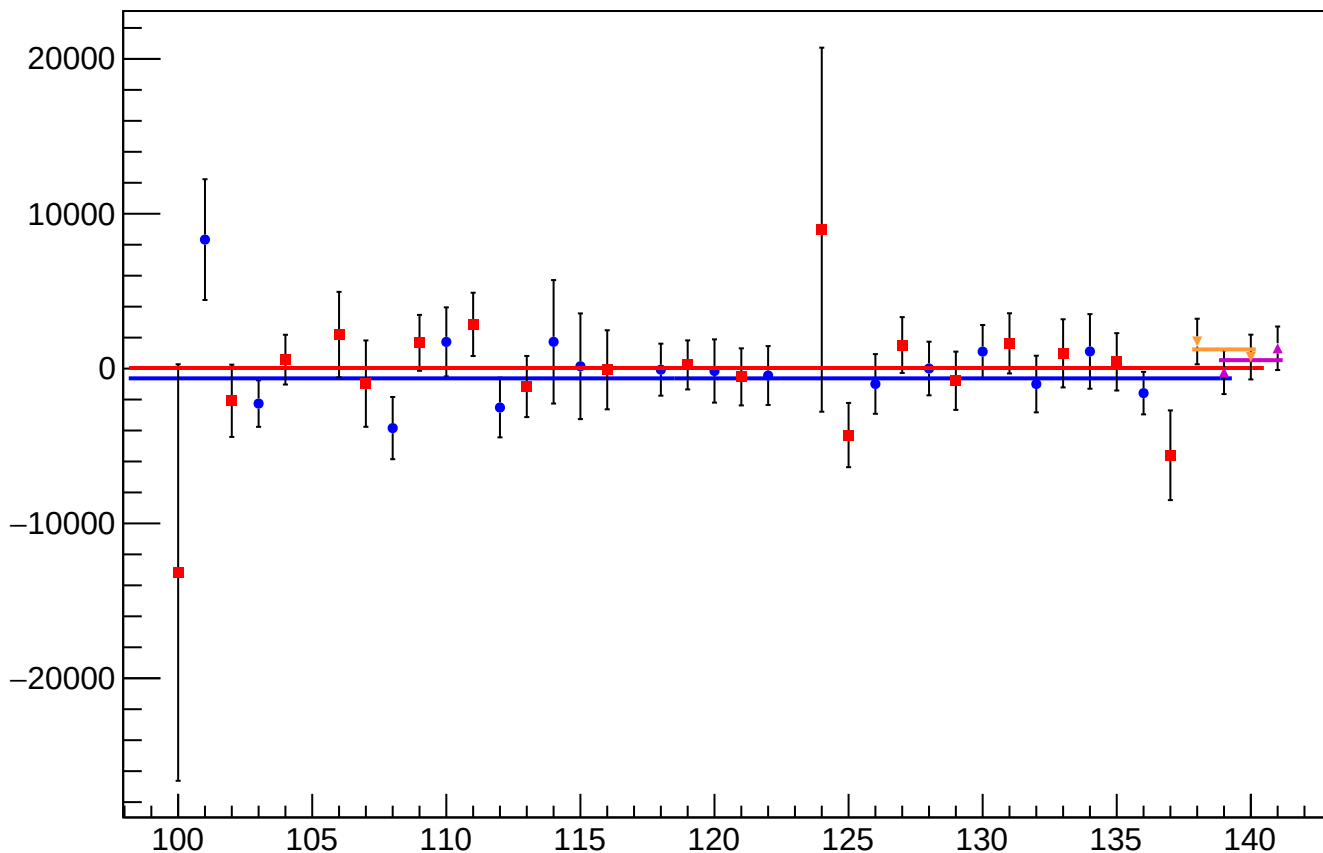
Left In: 3910.982+/-2.120 χ^2/NDF :42241.5/1

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3379.943+/-0.576 χ^2/NDF : 1264547.0/38

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

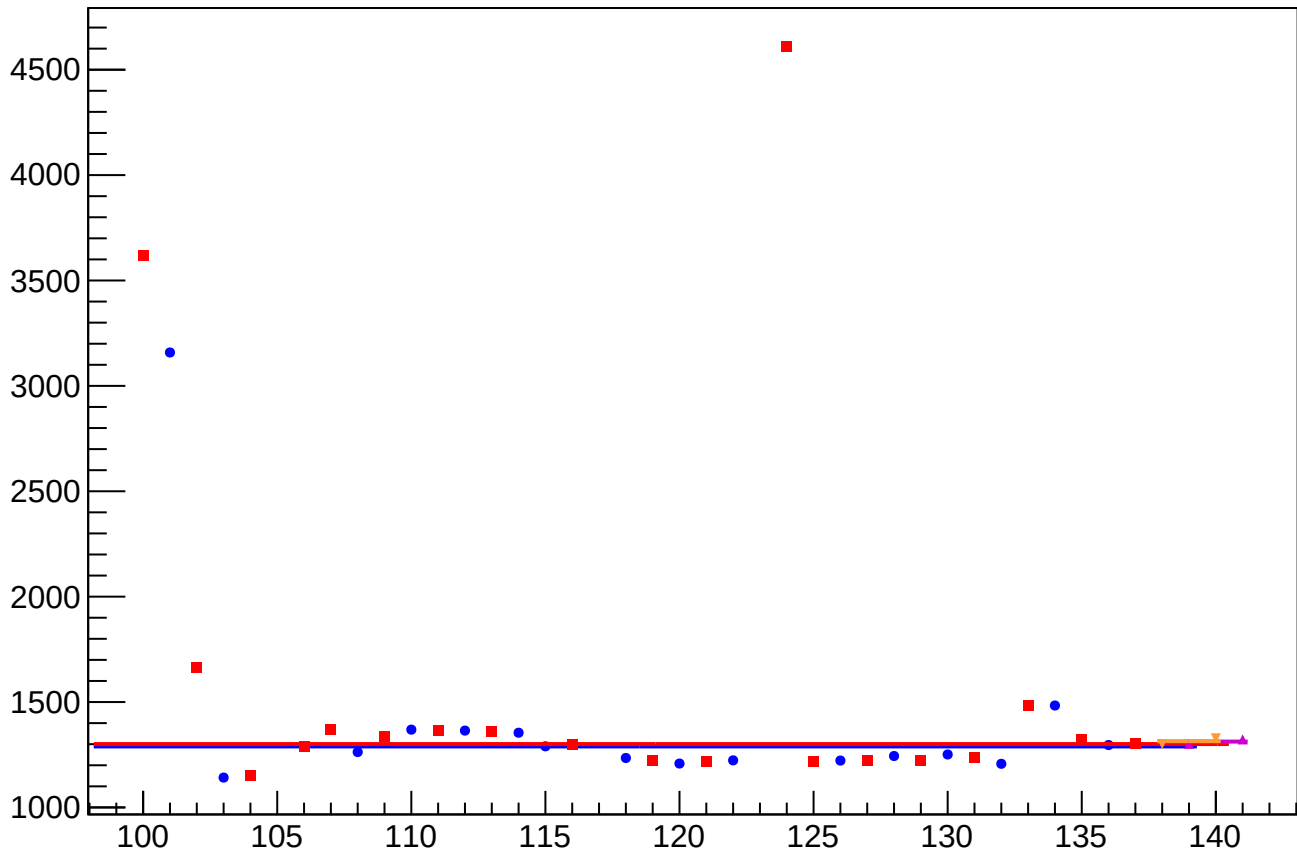
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -74.633+/-311.130 χ^2/NDF : 34.4/38

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF : 325907.6/18

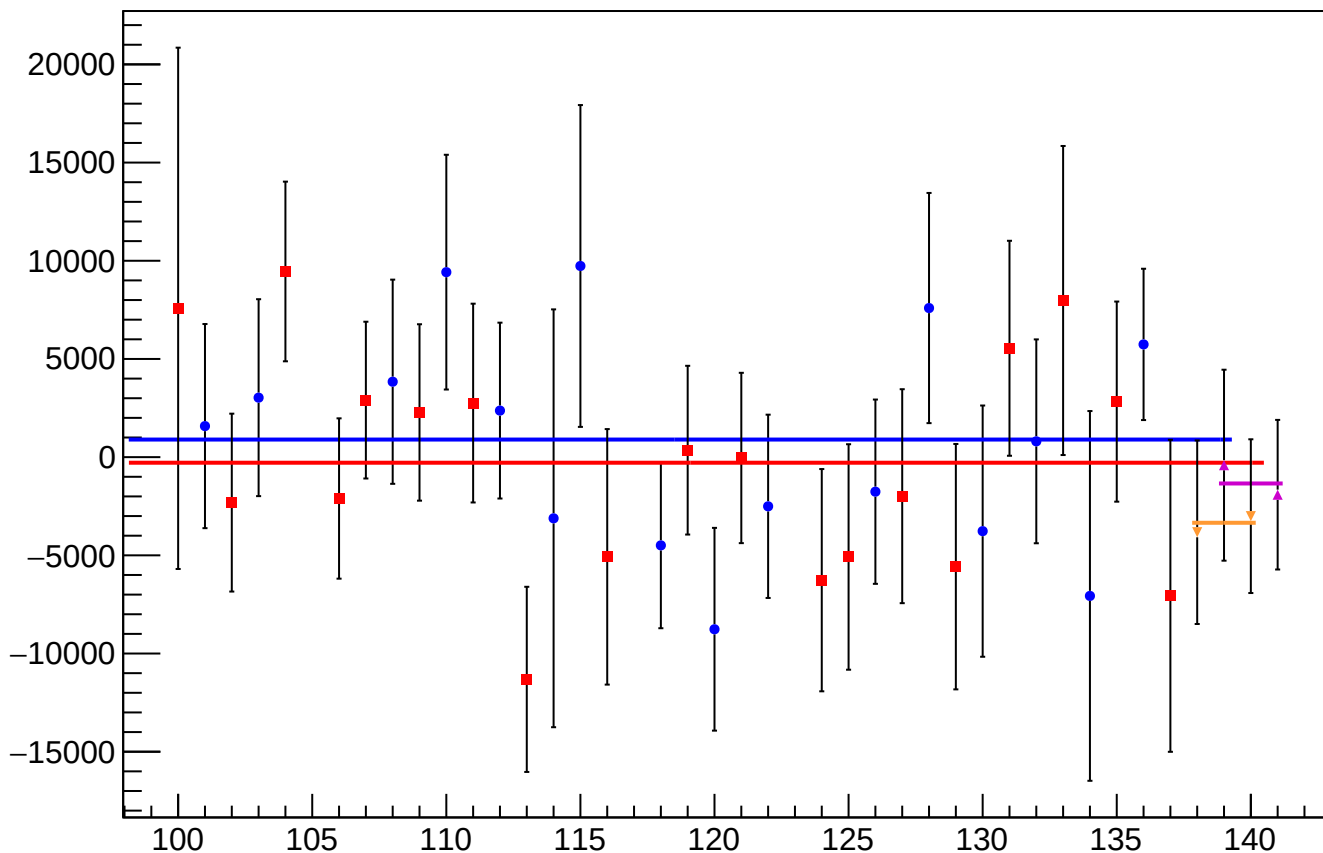
Left In: 1312.384+/-0.705 χ^2/NDF : 216.7/1

+ sign 1294.032+/-0.312 χ^2/NDF : 515983.0/17

All: 1298.524+/-0.220 χ^2/NDF : 842739.8/38

- sign 1302.938+/-0.310 χ^2/NDF : 326346.6/20

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3342.029 ± 3000.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

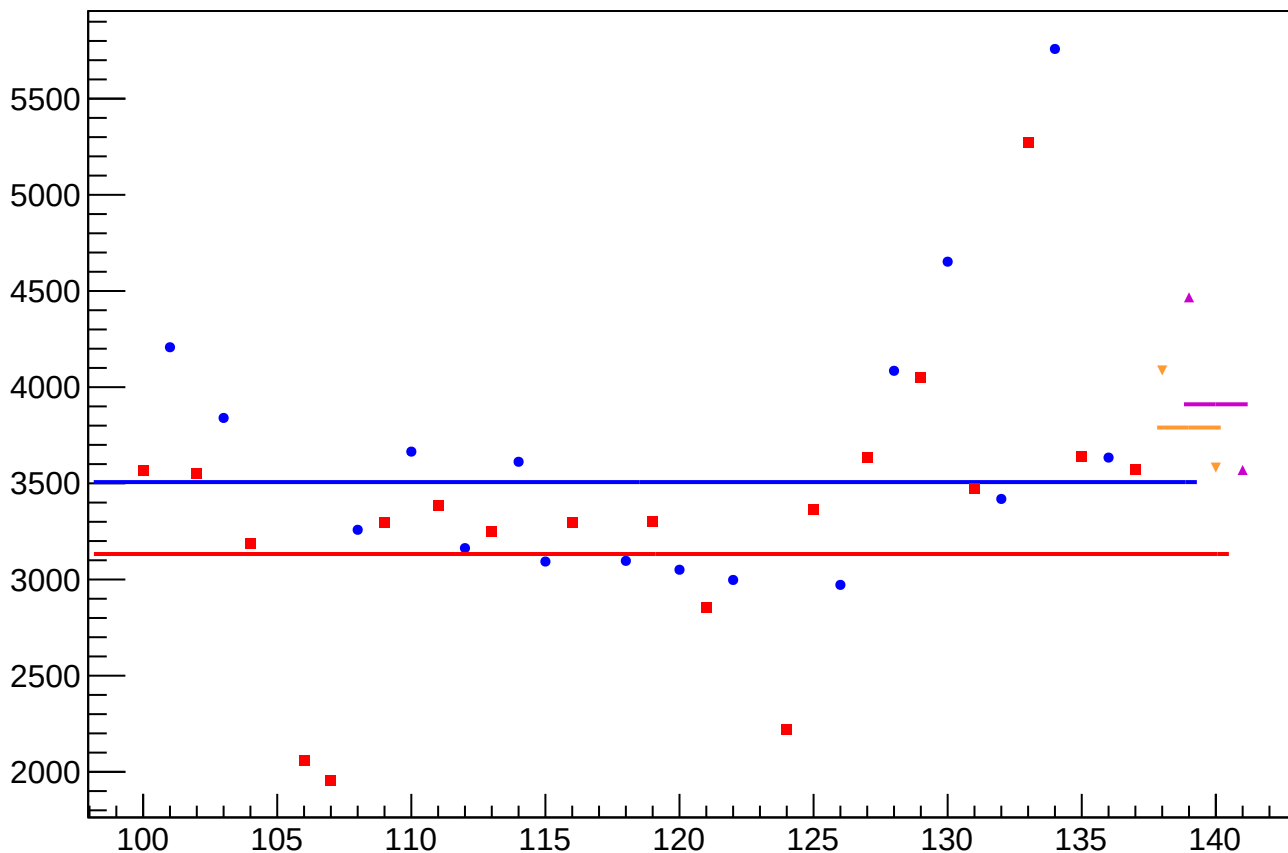
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign 204.754 ± 1211.971 $\chi^2/\text{NDF}: 15.8/17$

All: -141.134 ± 814.771 $\chi^2/\text{NDF}: 34.7/38$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

asym_atl_dd_atr_dd_avg_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

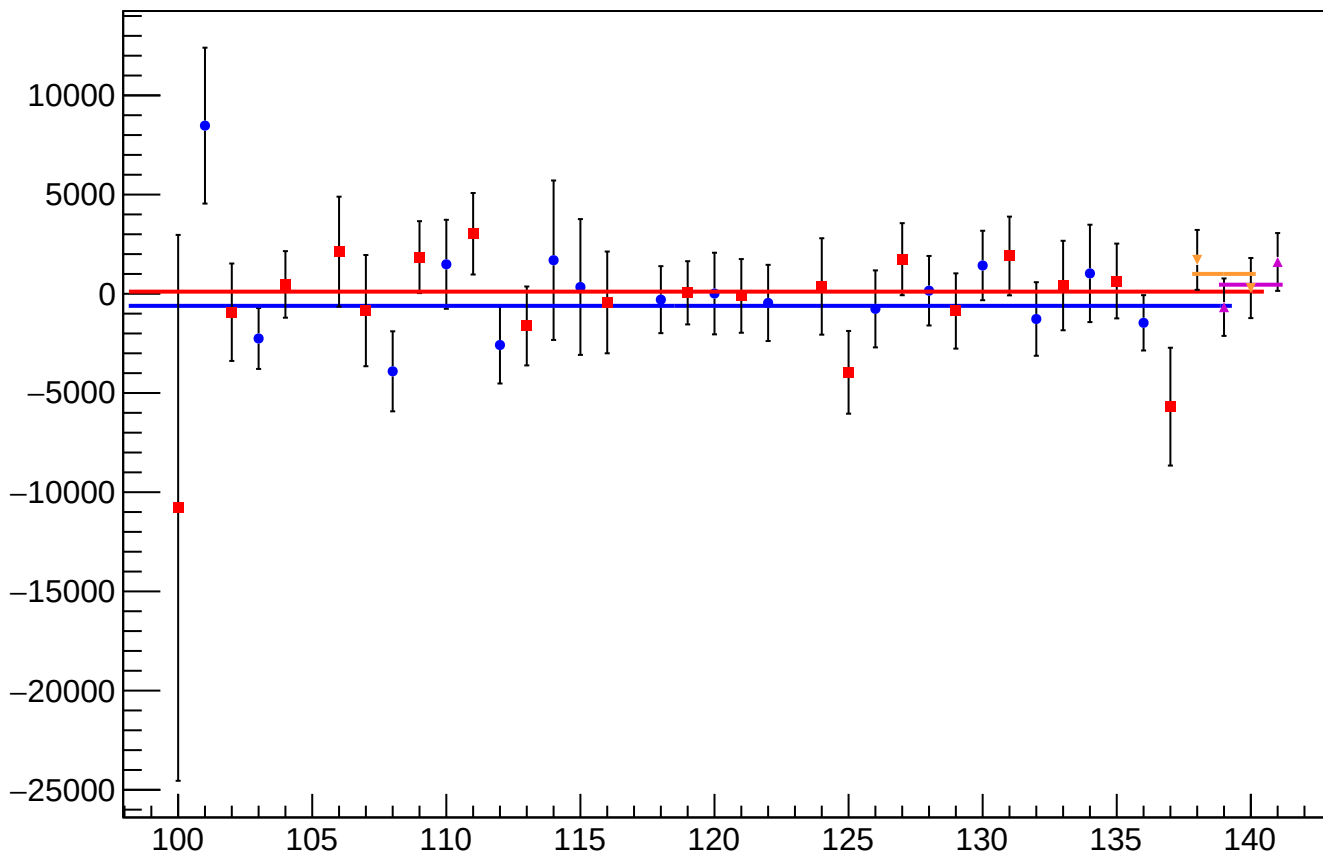
Left In: 3910.982+/-2.120 χ^2/NDF :42241.5/1

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3379.943+/-0.576 χ^2/NDF : 1264547.0/38

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

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 $\chi^2/\text{NDF}: 14.9/18$

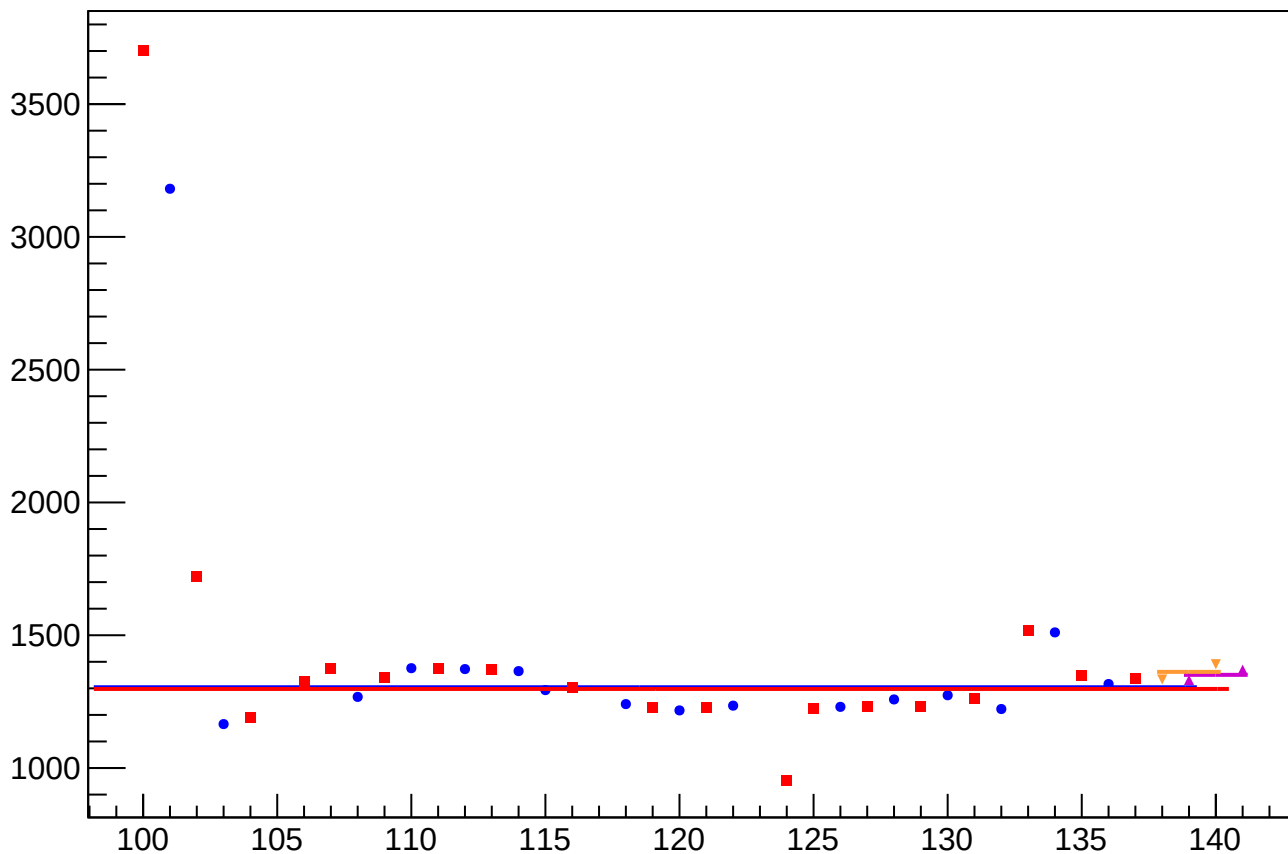
Left In: 458.128 ± 1026.913 $\chi^2/\text{NDF}: 1.2/1$

+ sign -324.610 ± 448.603 $\chi^2/\text{NDF}: 16.4/17$

All: -70.666 ± 313.745 $\chi^2/\text{NDF}: 33.2/38$

- sign 172.476 ± 438.958 $\chi^2/\text{NDF}: 16.2/20$

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

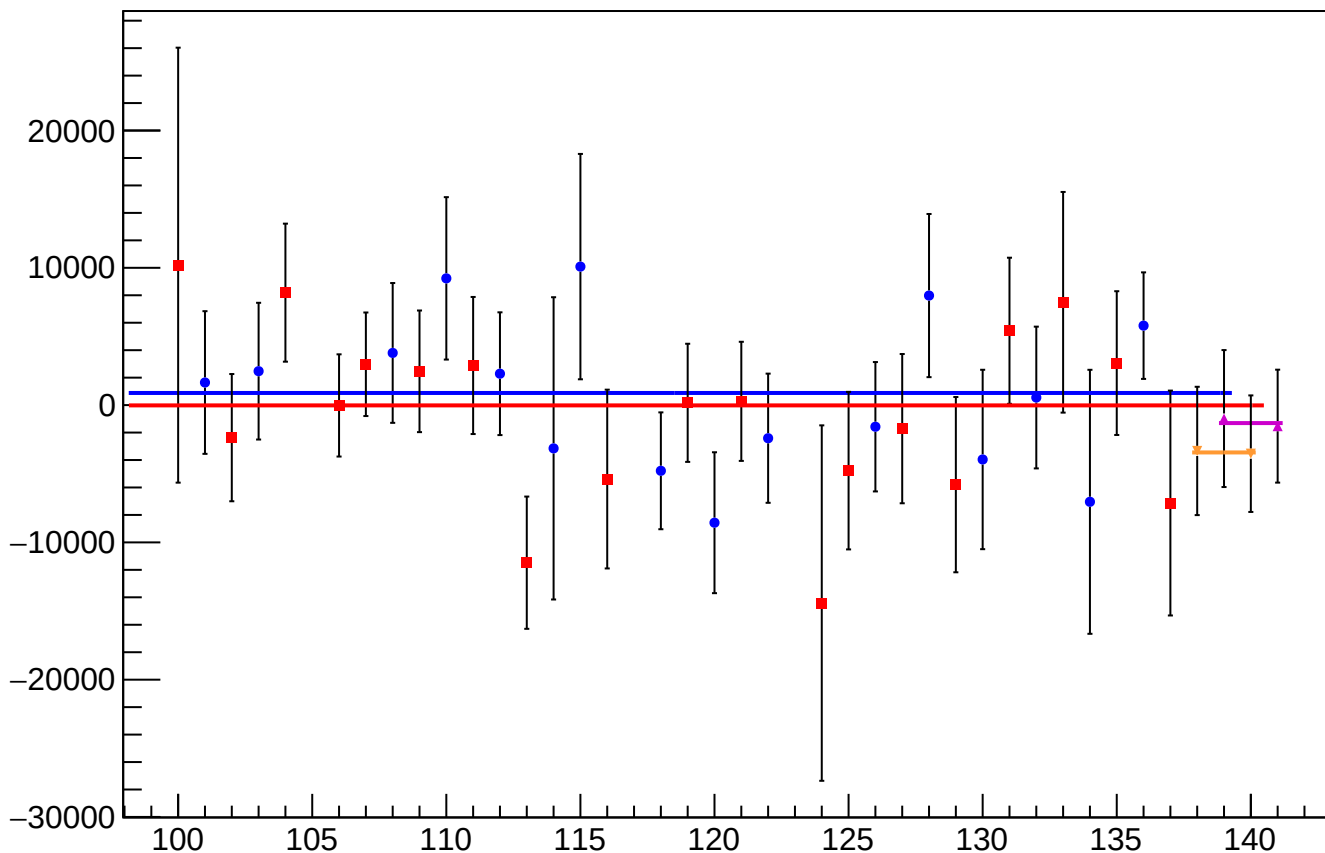
Left In: 1350.869 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.2/17

All: 1310.816 $\pm$ 0.222 χ^2 /NDF: 735286.5/38

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.0/20

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

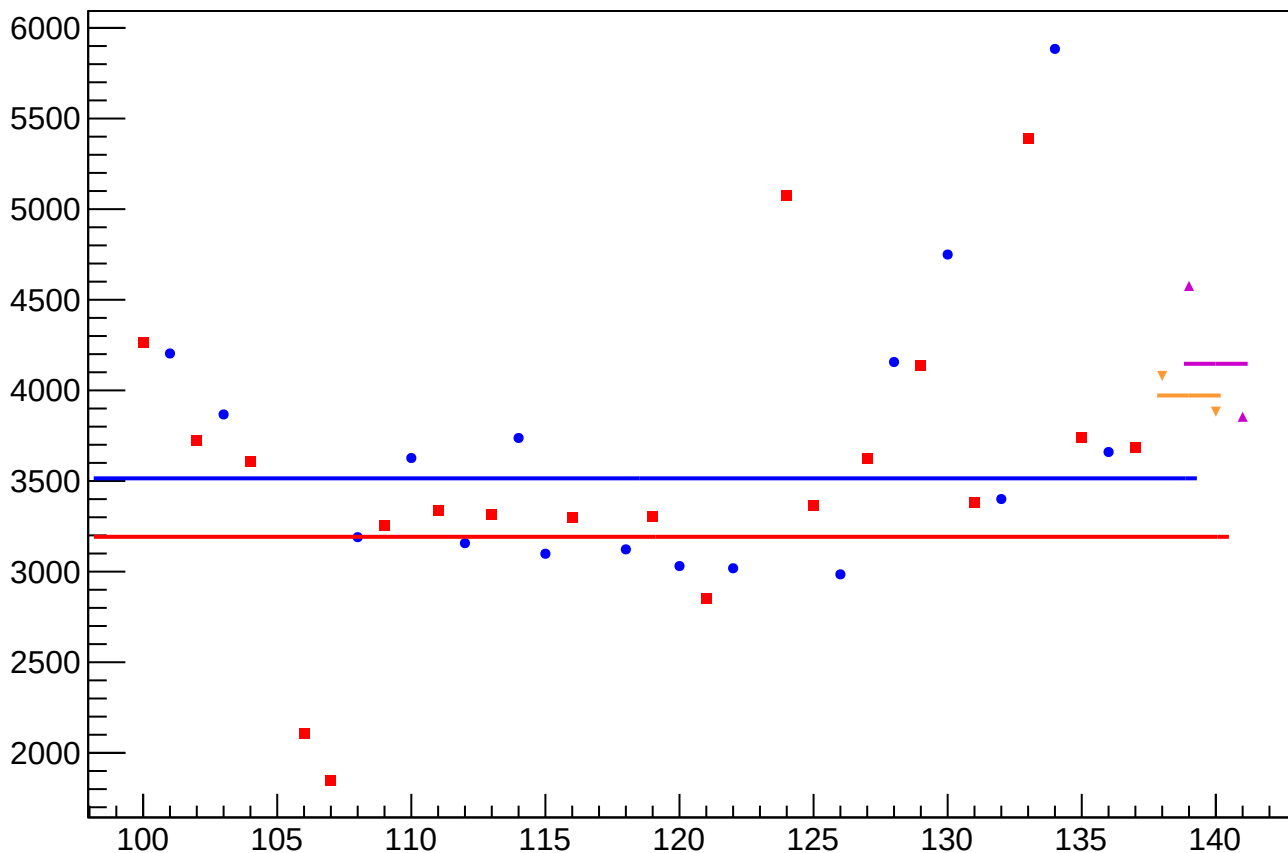
Left In: -1309.261 $\pm$ 3173.459 χ^2 /NDF: 0.0/1

+ sign 227.910 $\pm$ 1222.752 χ^2 /NDF: 15.7/17

All: 5.517 $\pm$ 826.880 χ^2 /NDF: 32.8/38

- sign -181.885 $\pm$ 1122.446 χ^2 /NDF: 17.0/20

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

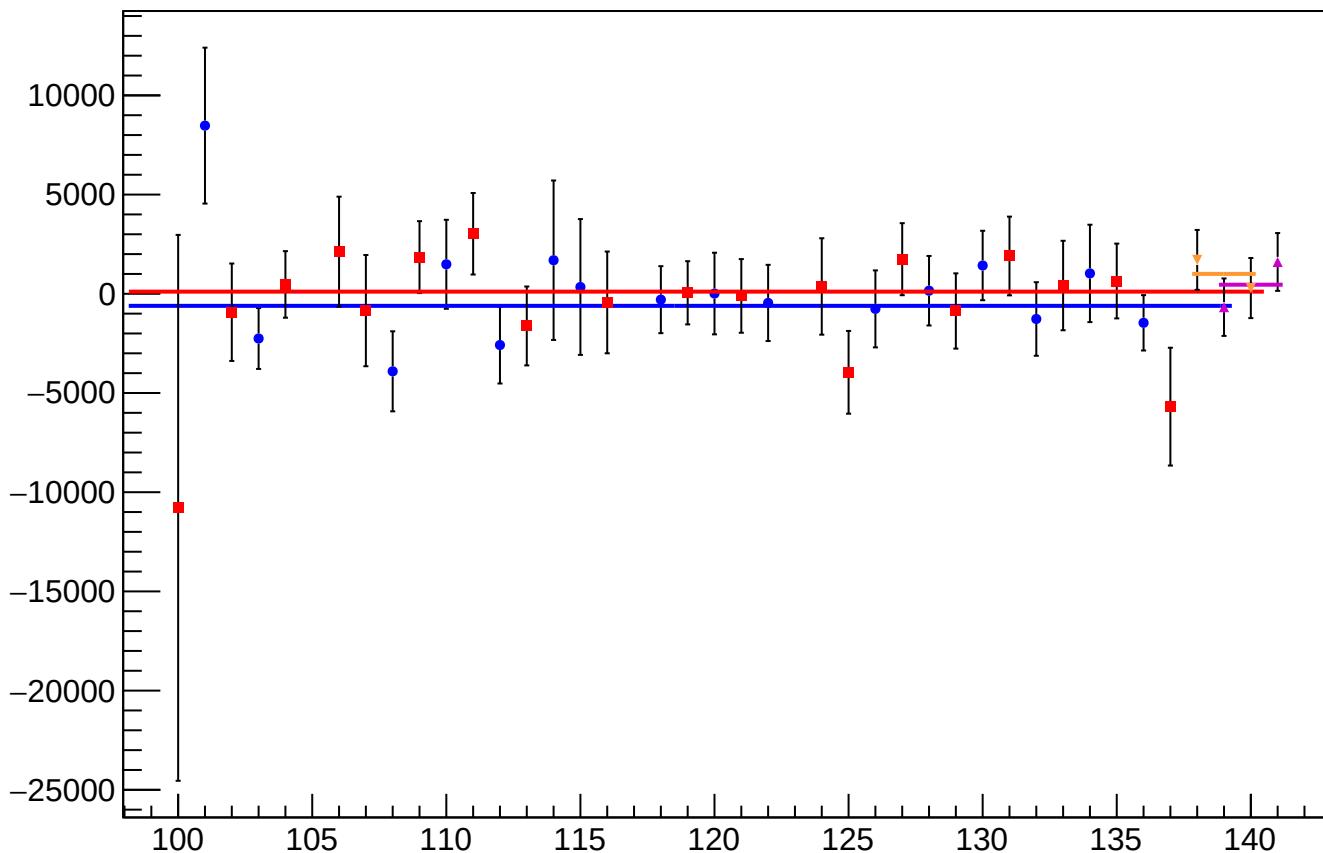
Left In: 4146.801 $\pm$ 2.244 χ^2/NDF : 24941.6/1

+ sign 3583.970 $\pm$ 0.865 χ^2/NDF : 412942.2/17

All: 3436.170 $\pm$ 0.585 χ^2/NDF : 1422553.7/38

- sign 3311.626 $\pm$ 0.794 χ^2/NDF : 955766.8/20

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

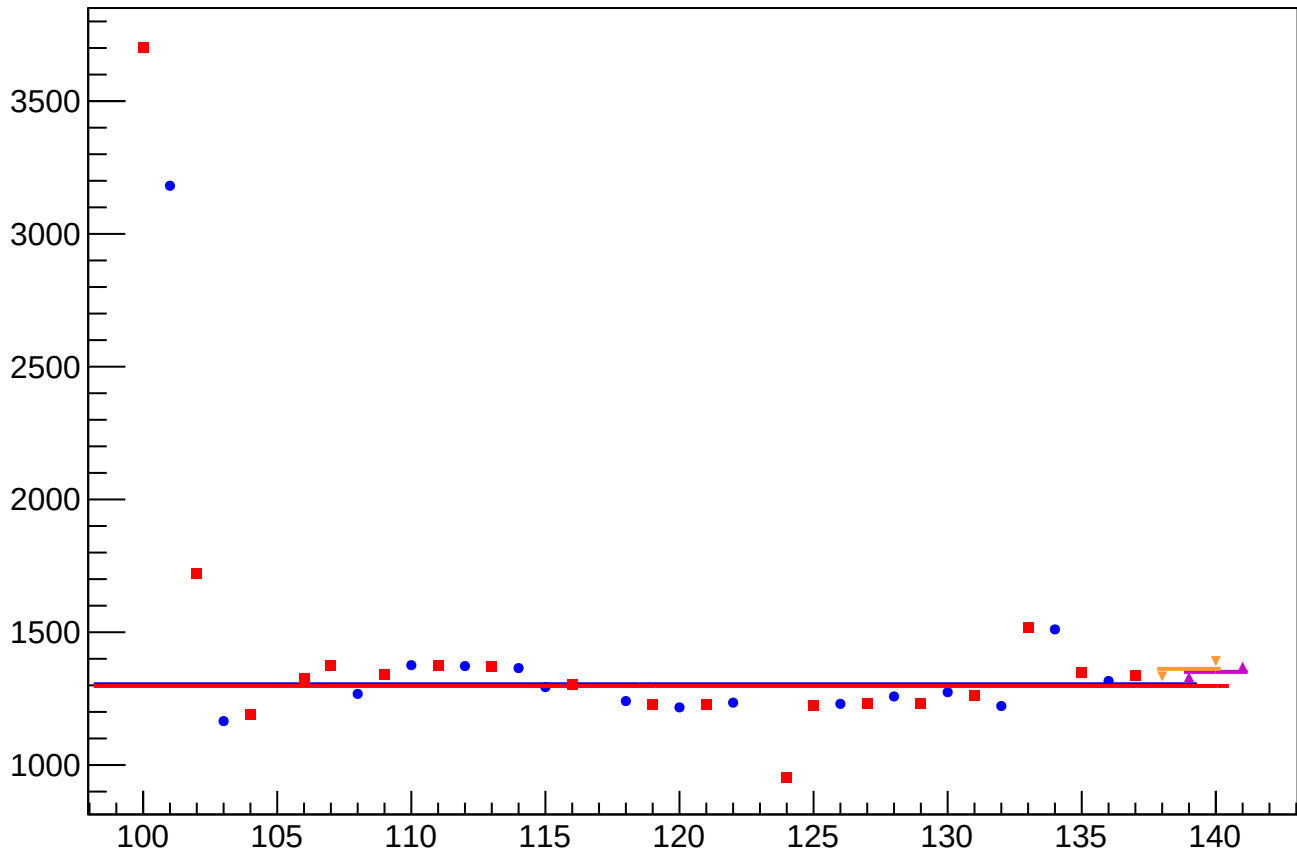
Left In: 458.120+/-1026.914 χ^2/NDF : 1.2/1

+ sign -324.614+/-448.603 χ^2/NDF : 16.4/17

All: -70.666+/-313.745 χ^2/NDF : 33.2/38

- sign 172.479+/-438.958 χ^2/NDF : 16.2/20

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102 $\pm$ 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

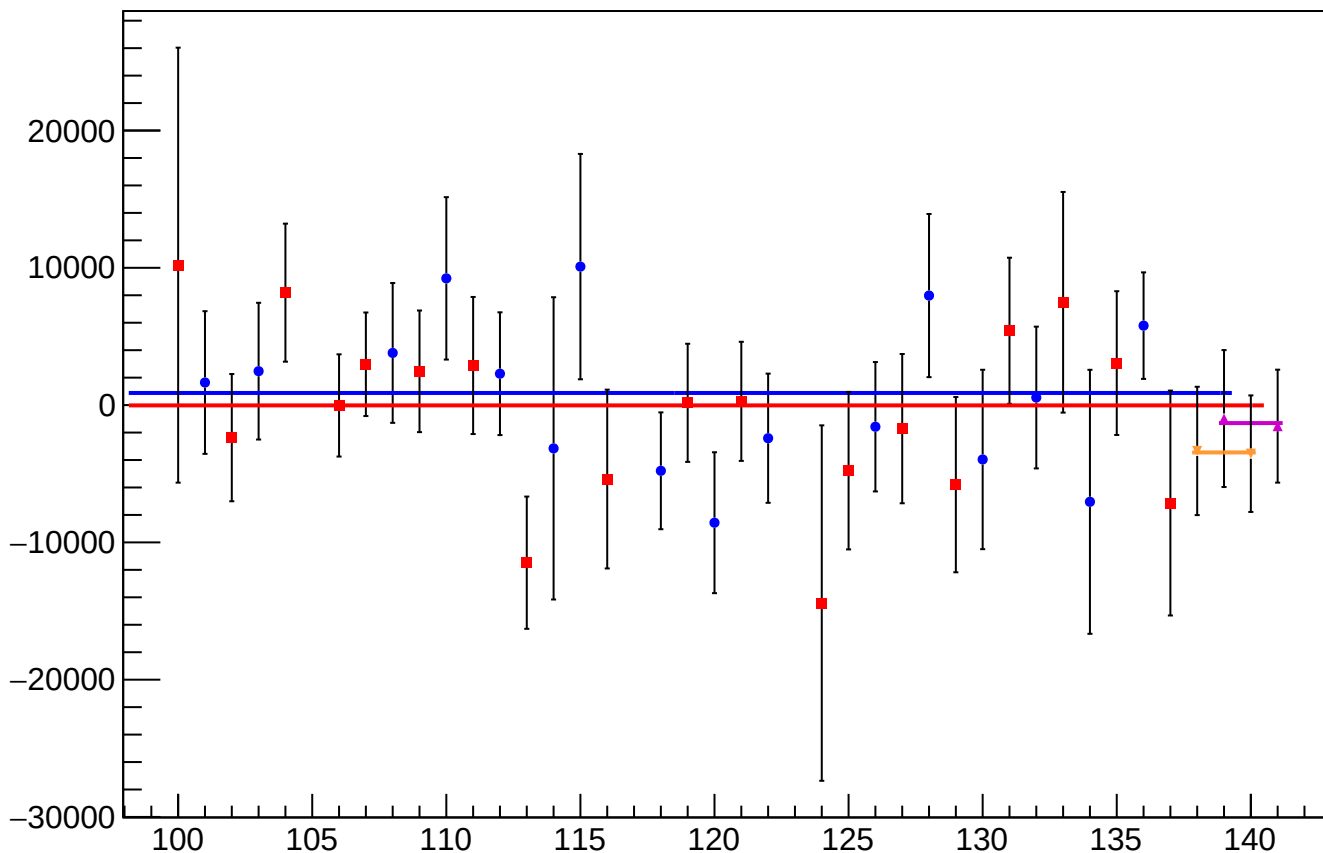
Left In: 1350.870 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.4/17

All: 1310.816 $\pm$ 0.222 χ^2 /NDF: 735286.9/38

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.1/20

asym_atl_dd_atr_dd_avg_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

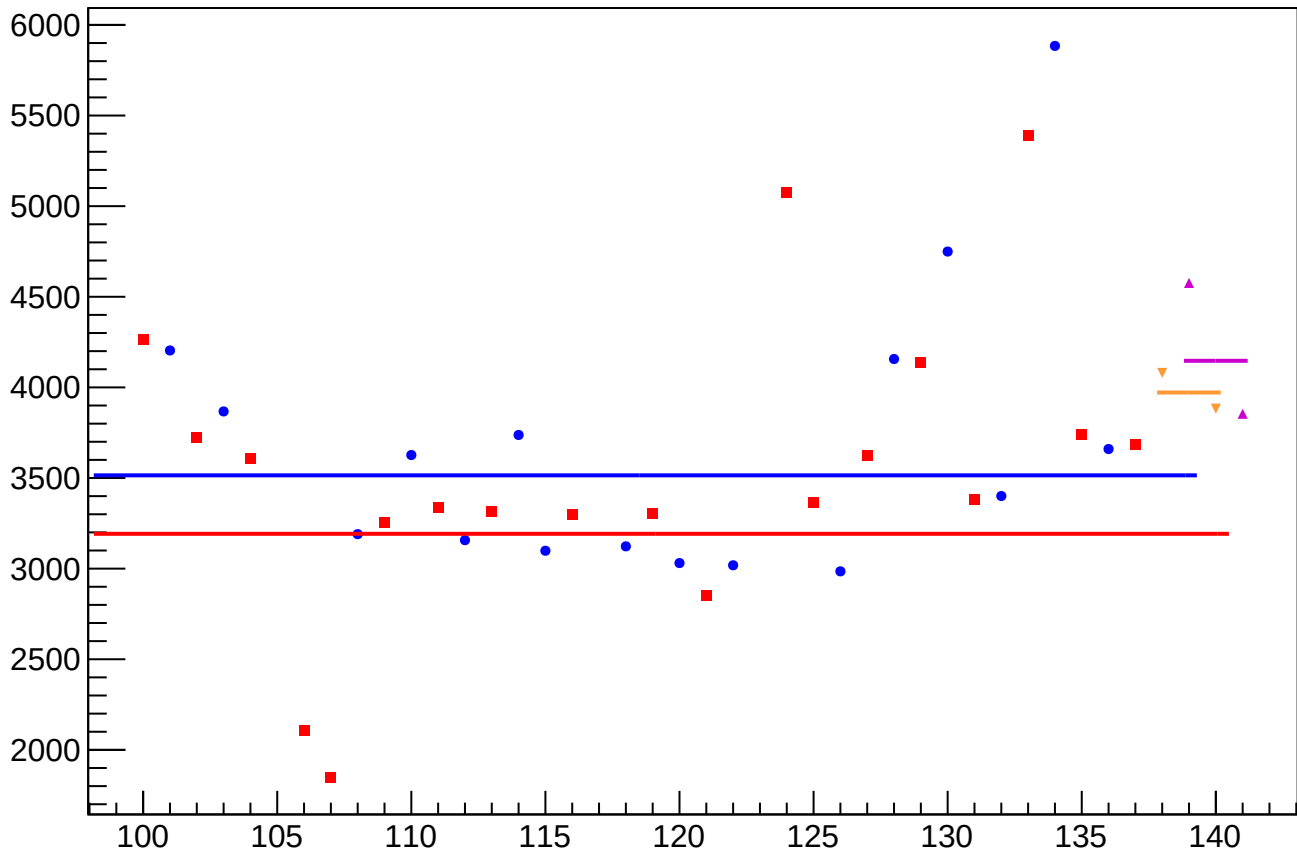
Left In: -1309.271 ± 3173.463 χ^2/NDF : 0.0/1

+ sign 227.905 ± 1222.750 χ^2/NDF : 15.7/17

All: 5.517 ± 826.878 χ^2/NDF : 32.8/38

- sign -181.882 ± 1122.443 χ^2/NDF : 17.0/20

asym_atl_dd_atr_dd_avg_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

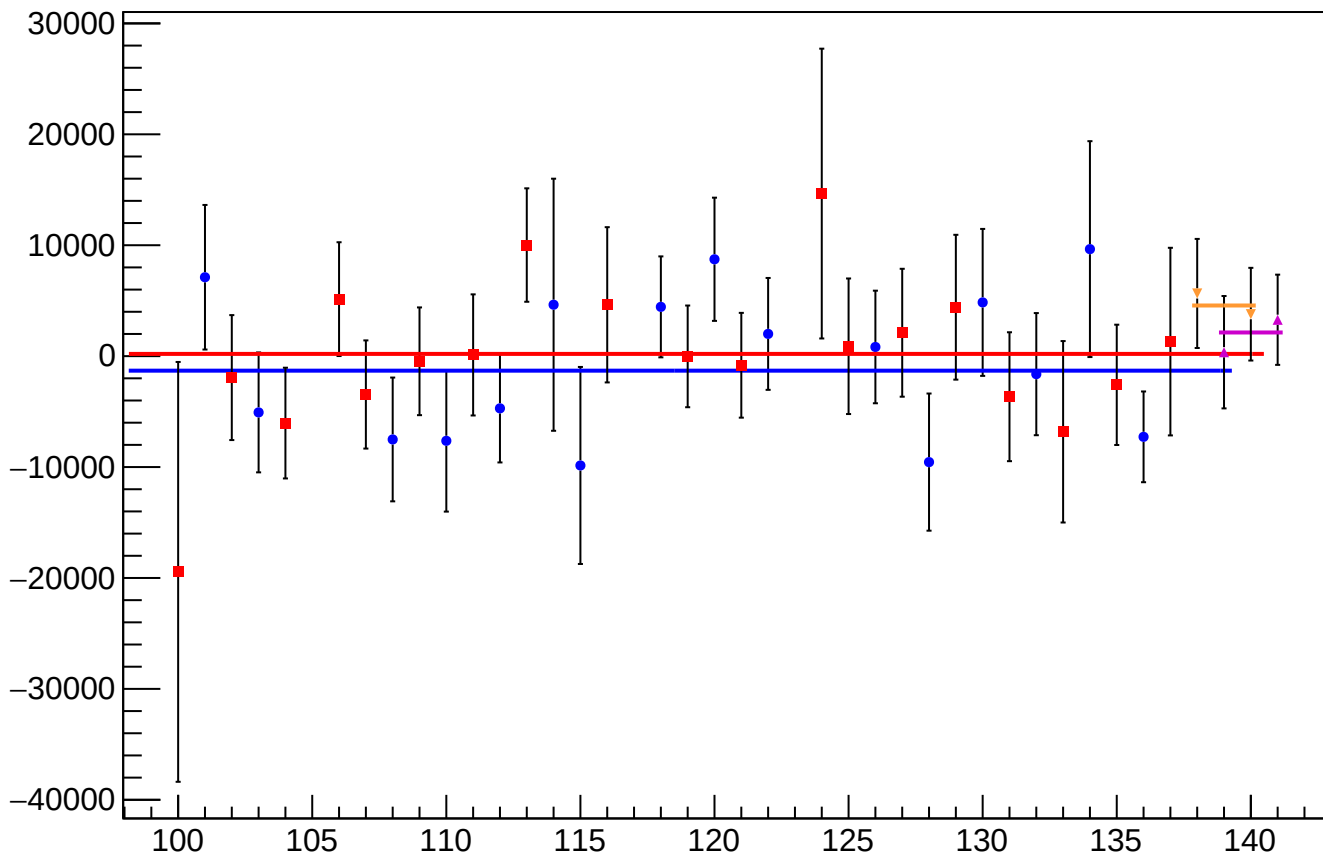
Left In: 4146.807+/-2.244 χ^2/NDF :24942.3/1

+ sign 3583.962+/-0.865 χ^2/NDF : 412948.9/17

All: 3436.163+/-0.585 χ^2/NDF : 1422567.6/38

- sign 3311.619+/-0.794 χ^2/NDF : 955774.0/20

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 4566.386 ± 3184.192 χ^2/NDF : 0.1/1

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

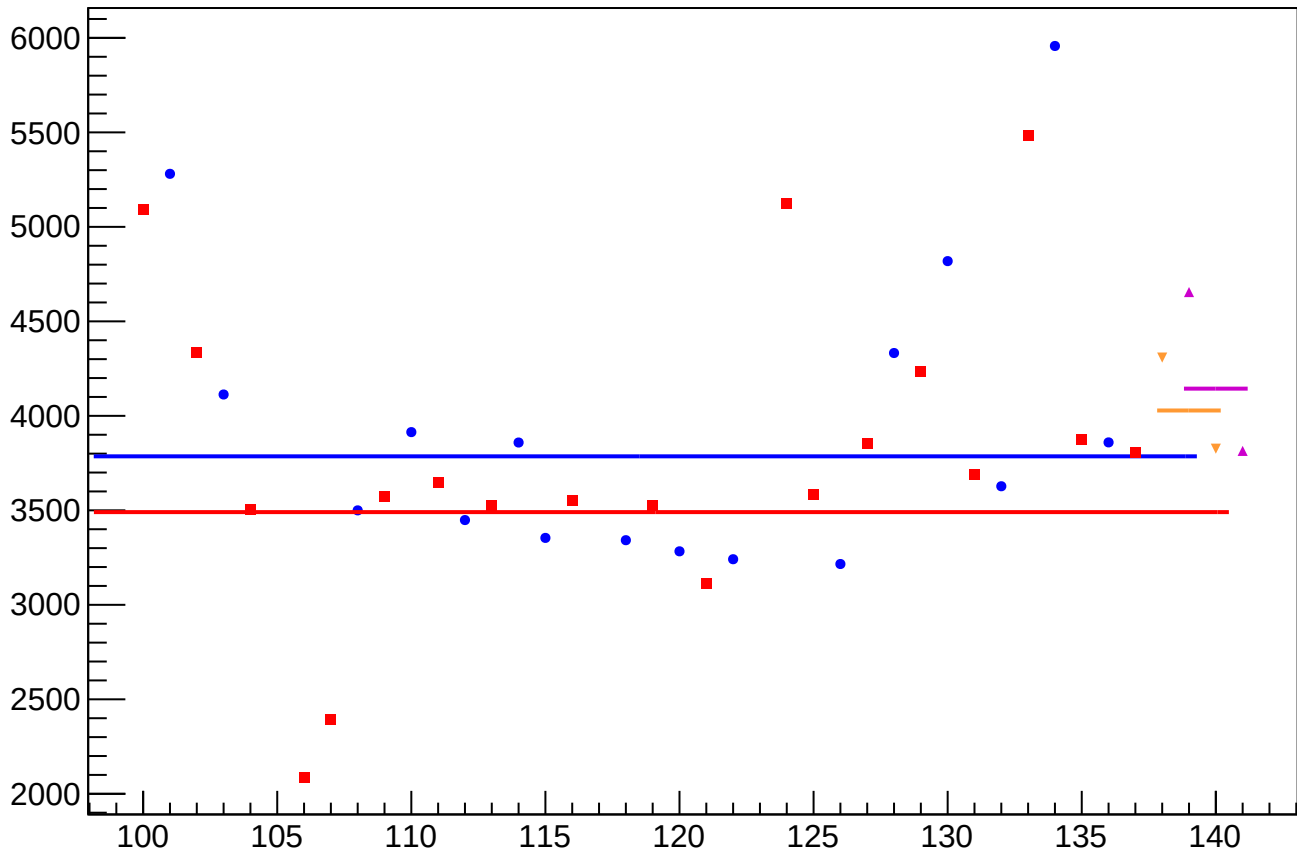
Left In: 2133.541 ± 3171.289 χ^2/NDF : 0.2/1

+ sign -321.330 ± 1305.722 χ^2/NDF : 20.5/17

All: 109.618 ± 895.798 χ^2/NDF : 32.9/38

- sign 492.812 ± 1231.253 χ^2/NDF : 12.2/20

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF : 11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

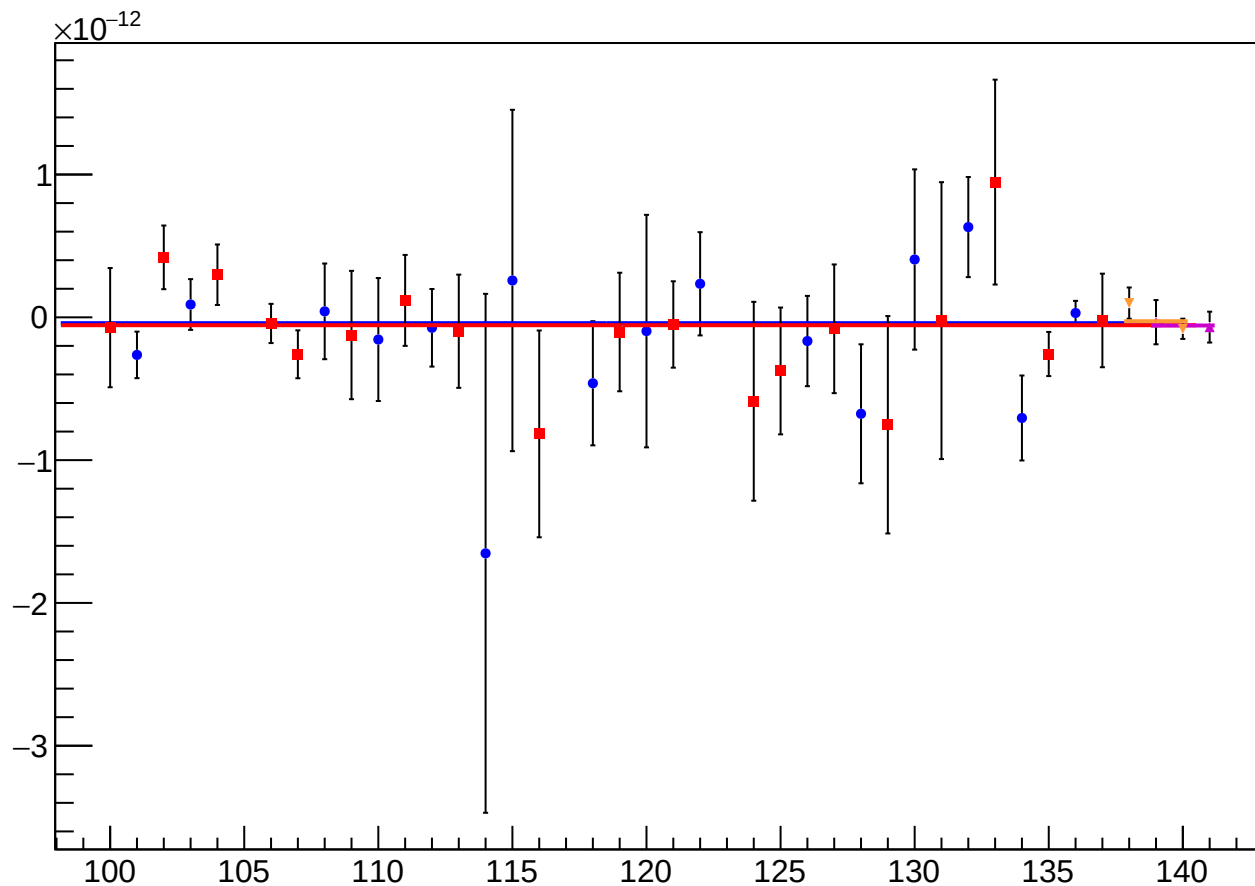
Left In: 4143.971+/-2.242 χ^2/NDF : 33477.9/1

+ sign 3826.565+/-0.923 χ^2/NDF : 403814.1/17

All: 3698.271+/-0.629 χ^2/NDF : 1132478.6/38

- sign 3586.825+/-0.861 χ^2/NDF : 692583.1/20

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

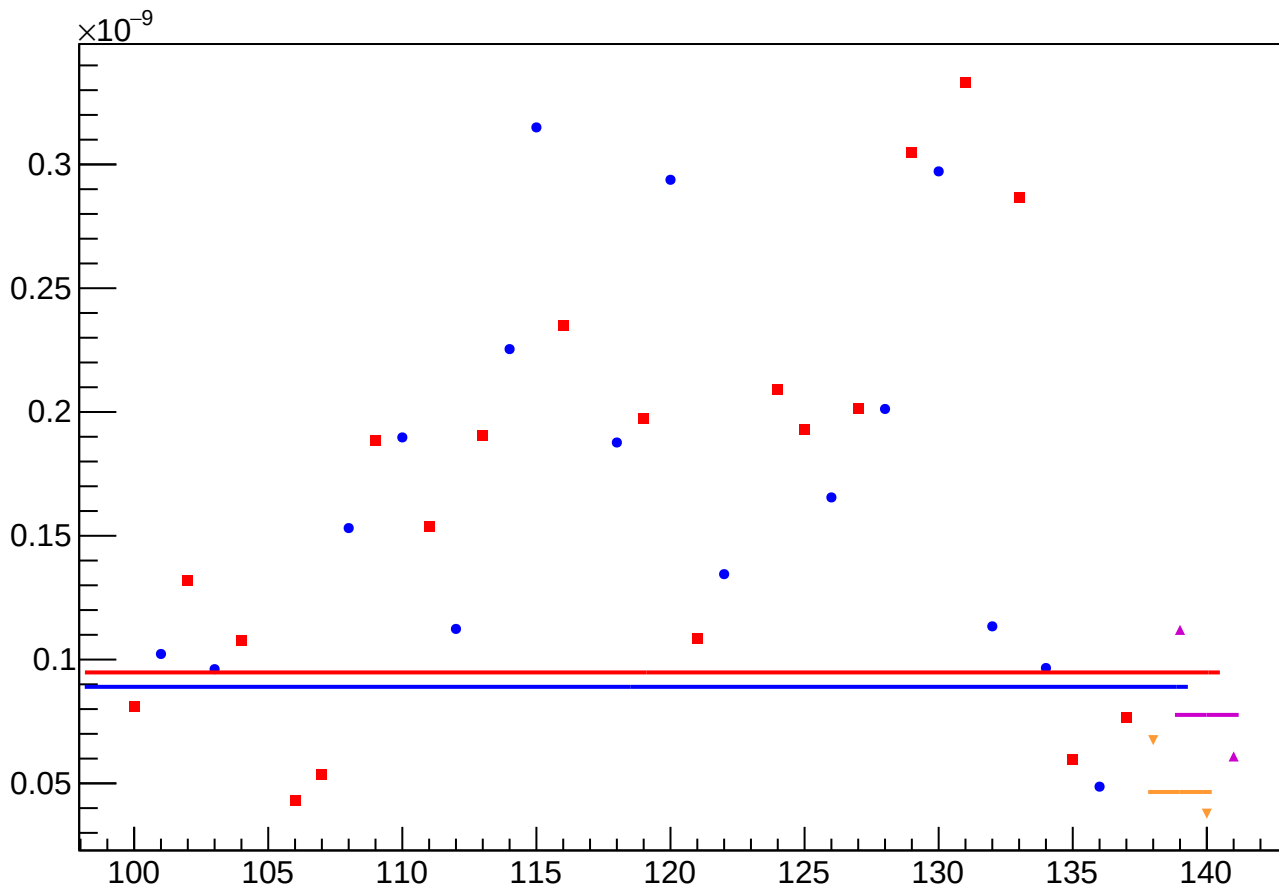
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 18.6/17

All: -0.000+/-0.000 χ^2 /NDF: 34.6/38

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

asym_atl_dd_atr_dd_avg_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

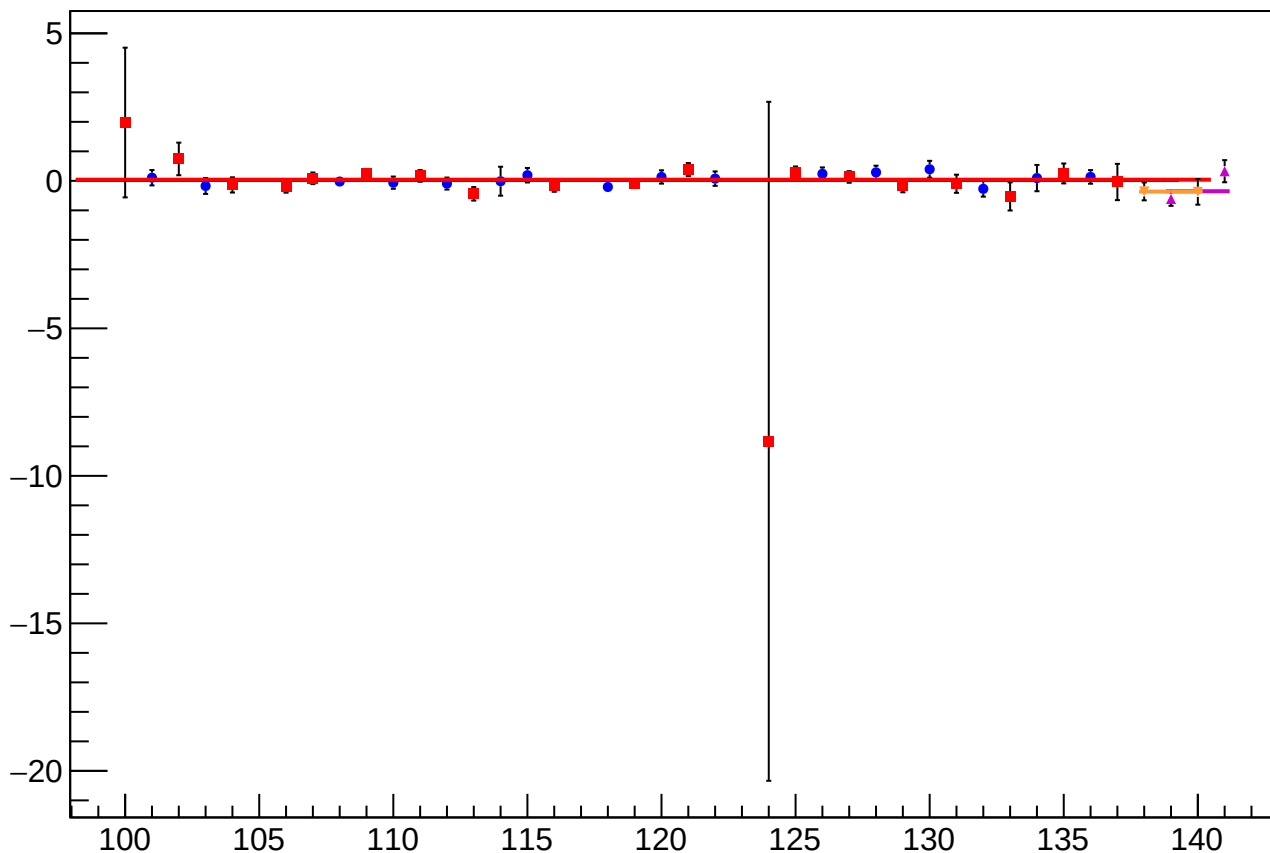
Left In: 0.000+/-0.000 χ^2/NDF : 146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2078463.8/17

All: 0.000+/-0.000 χ^2/NDF : 4207660.4/38

- sign 0.000+/-0.000 χ^2/NDF : 1930525.7/20

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

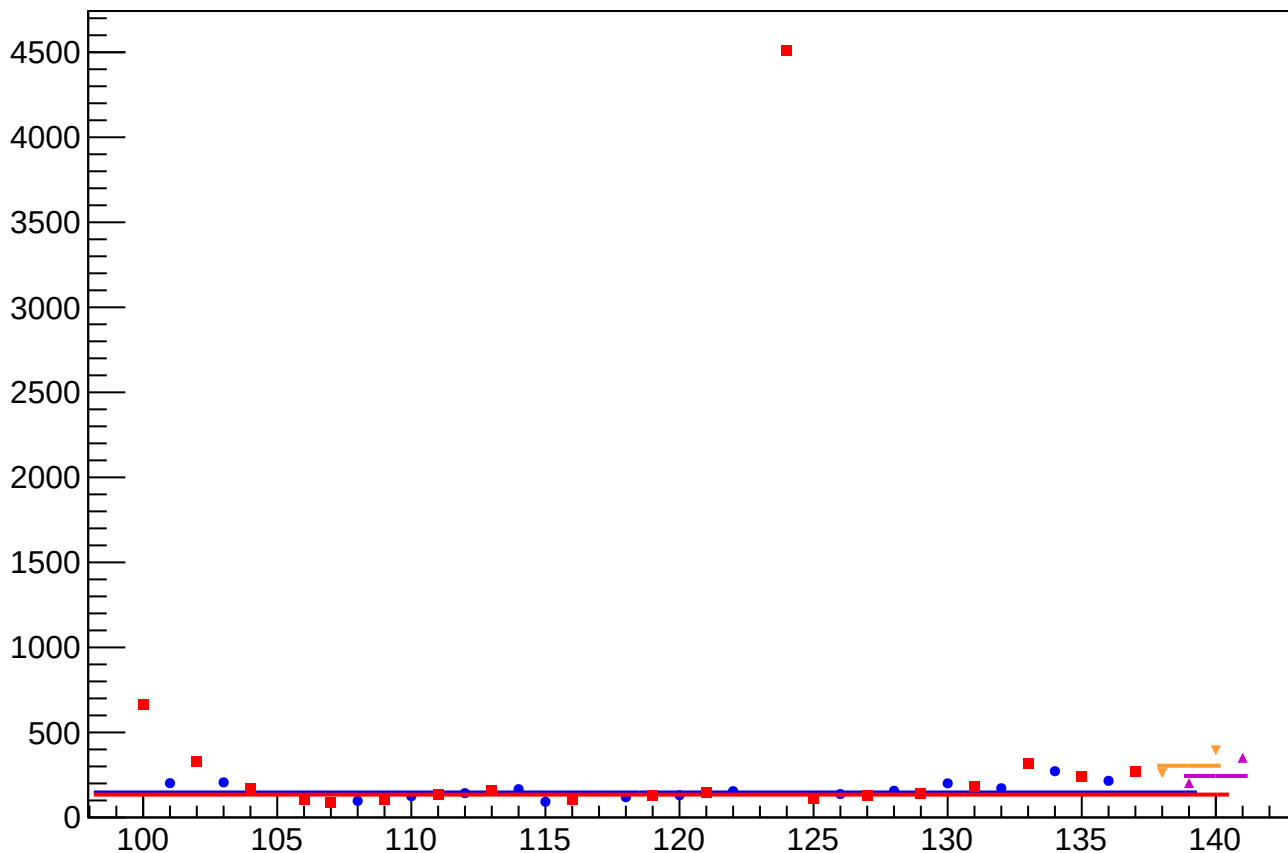
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.010 ± 0.038 χ^2/NDF : 40.0/38

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF : 127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

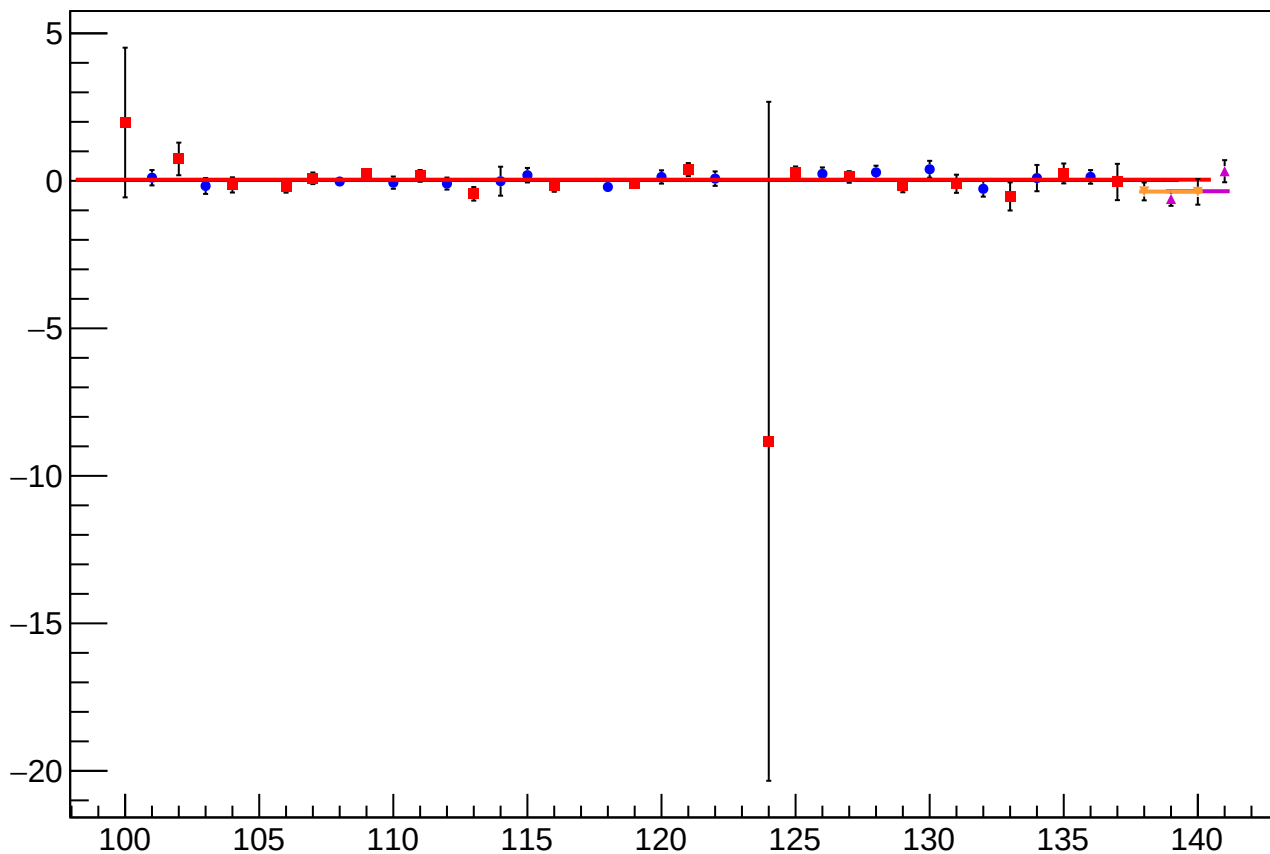
Left In: 243.847+/-0.140 χ^2/NDF : 226761.4/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 148.208+/-0.027 χ^2/NDF : 4344358.7/38

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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

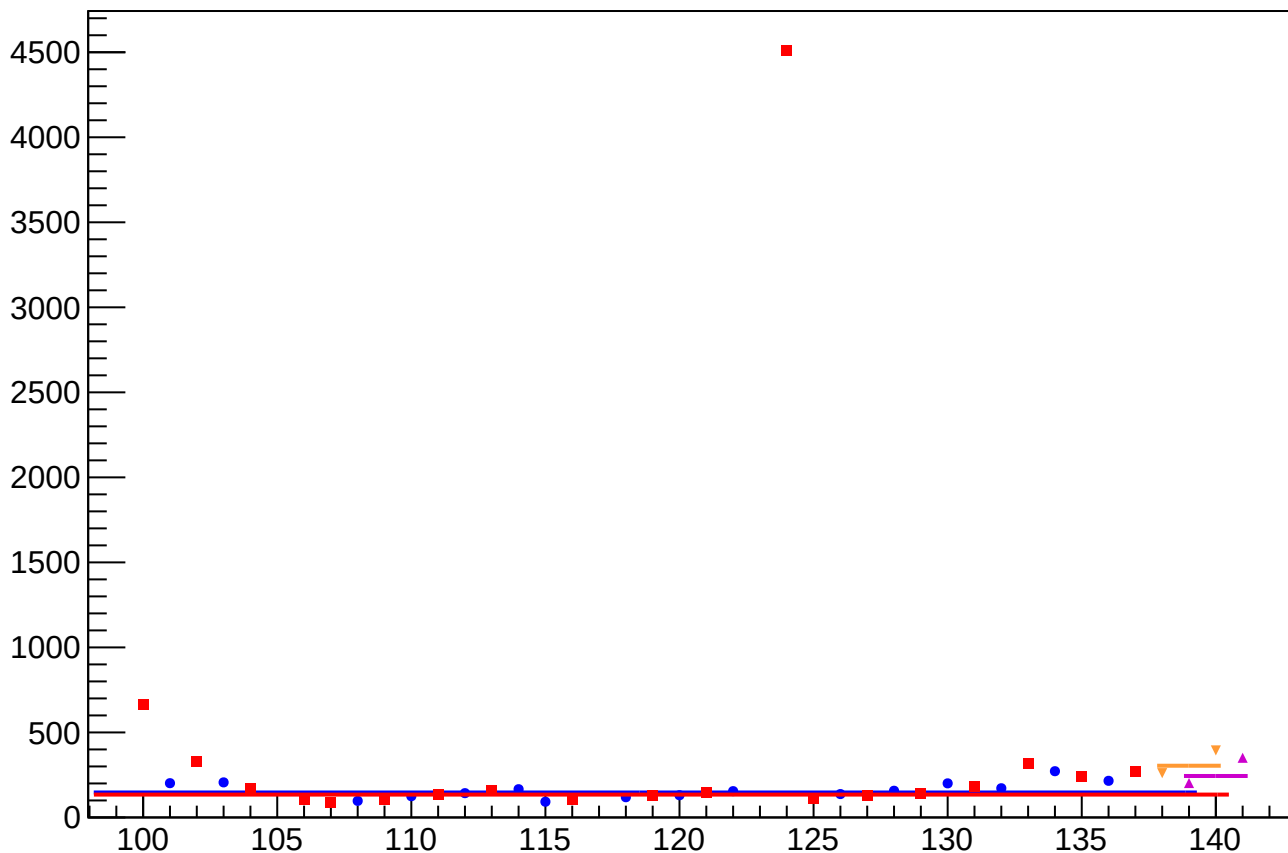
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.010 ± 0.038 χ^2/NDF : 40.0/38

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF :127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

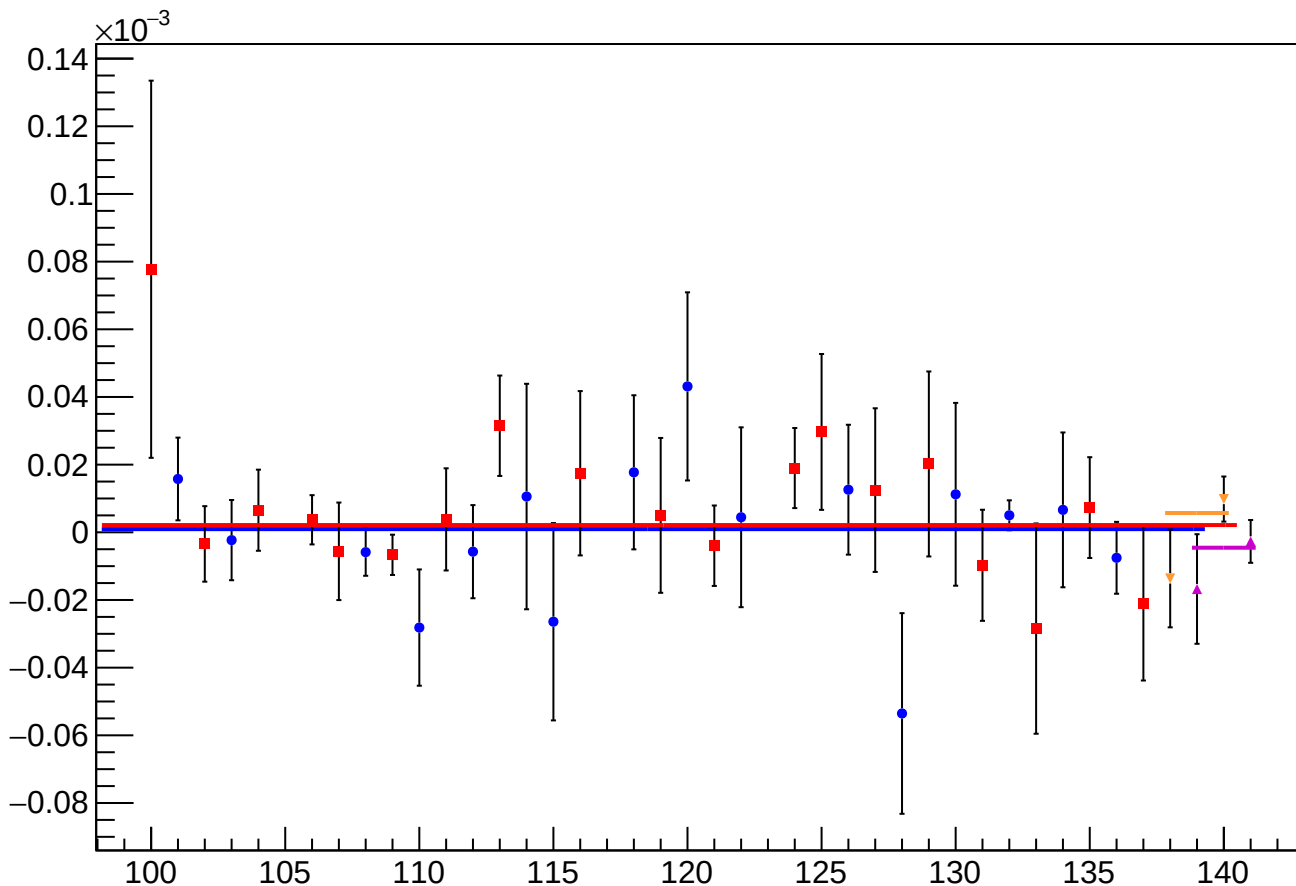
Left In: 243.847+/-0.140 χ^2/NDF :226761.4/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 148.208+/-0.027 χ^2/NDF : 4344358.7/38

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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

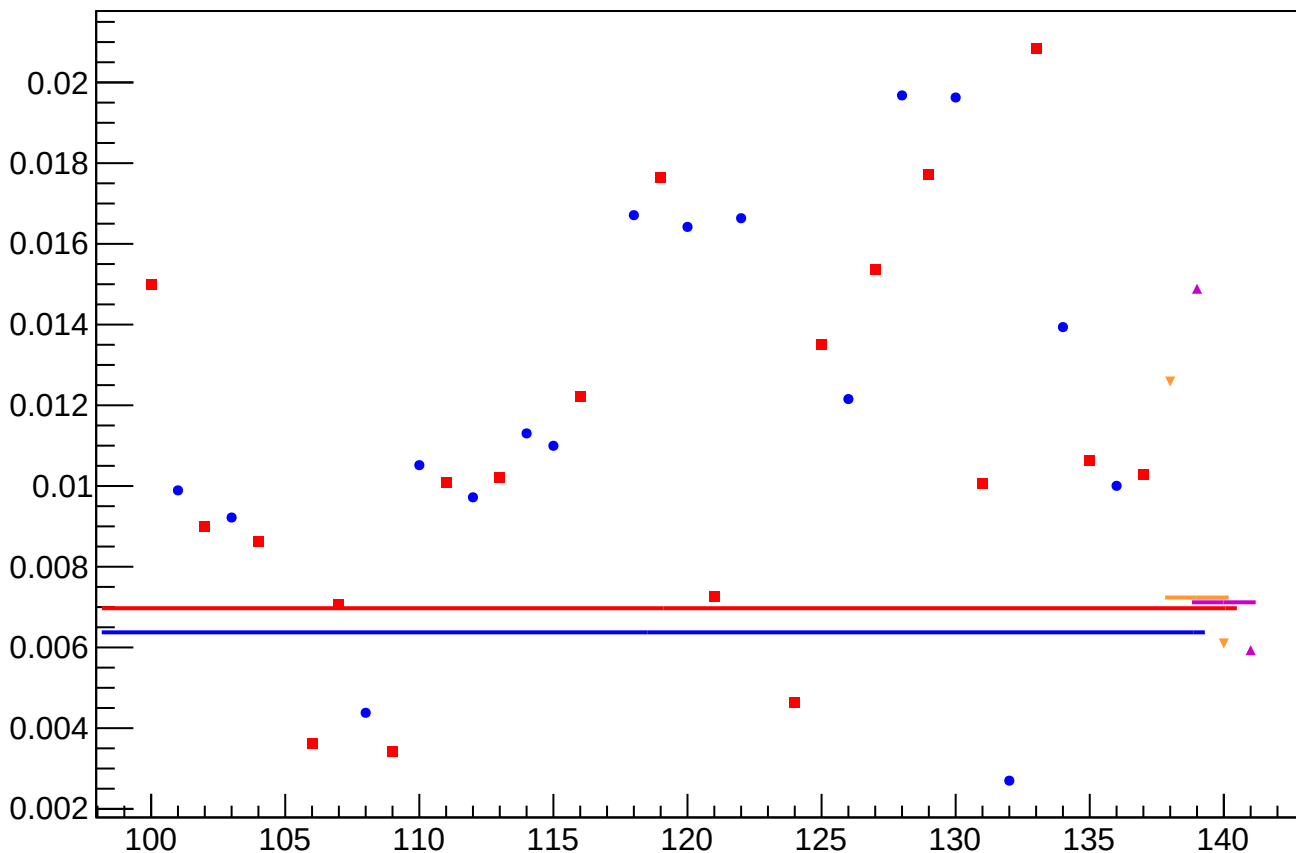
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

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

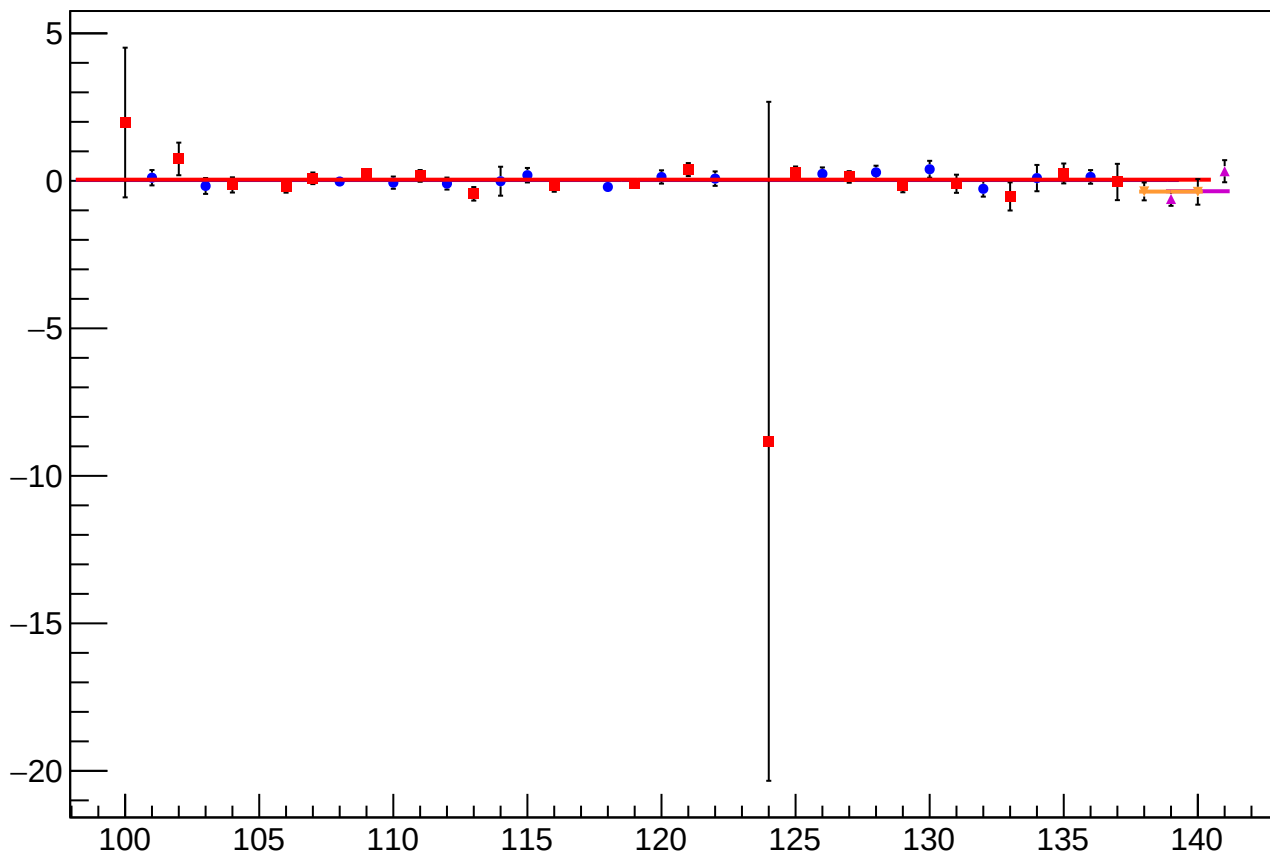
Left In: 0.007+/-0.000 χ^2/NDF : 530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 5005153.1/17

All: 0.007+/-0.000 χ^2/NDF : 8977044.0/38

- sign 0.007+/-0.000 χ^2/NDF : 3941392.2/20

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

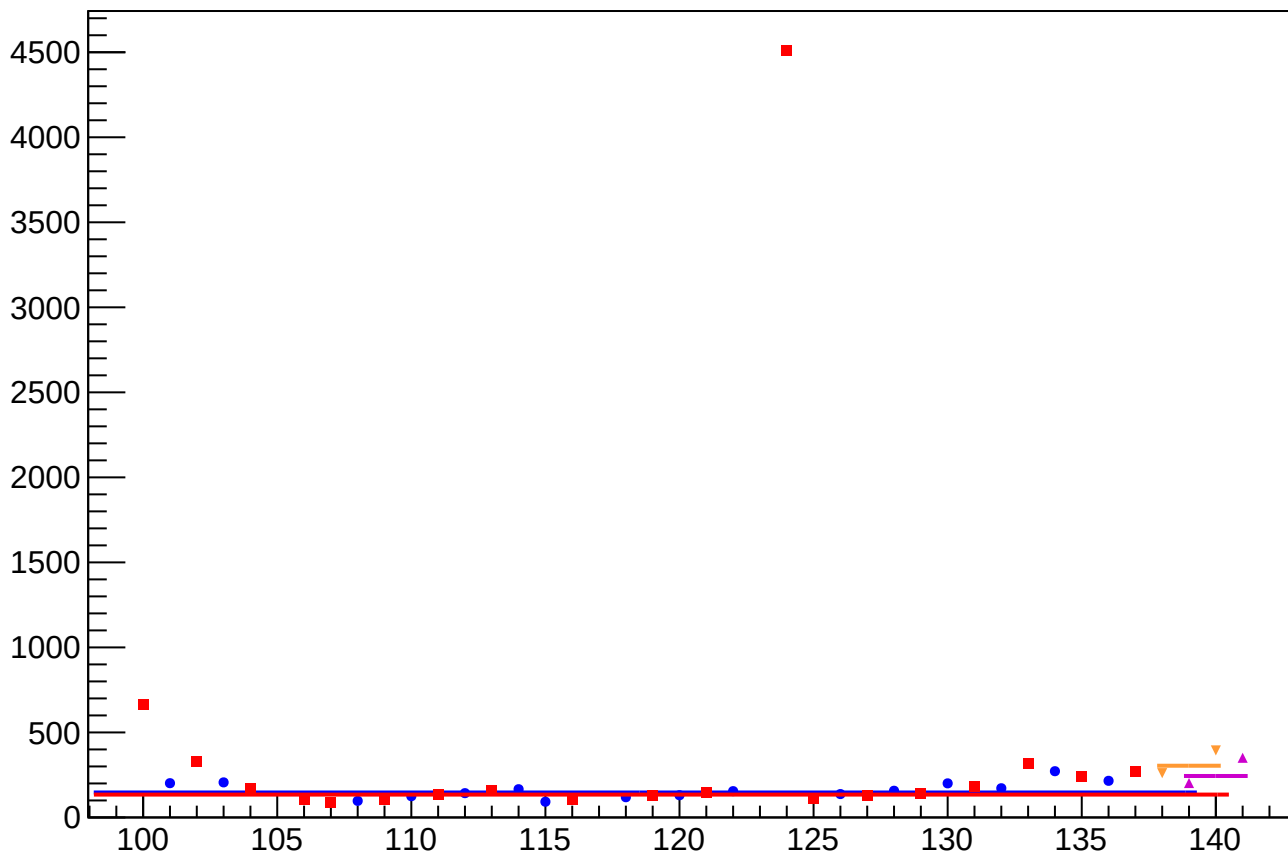
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.010 ± 0.038 χ^2/NDF : 40.0/38

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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

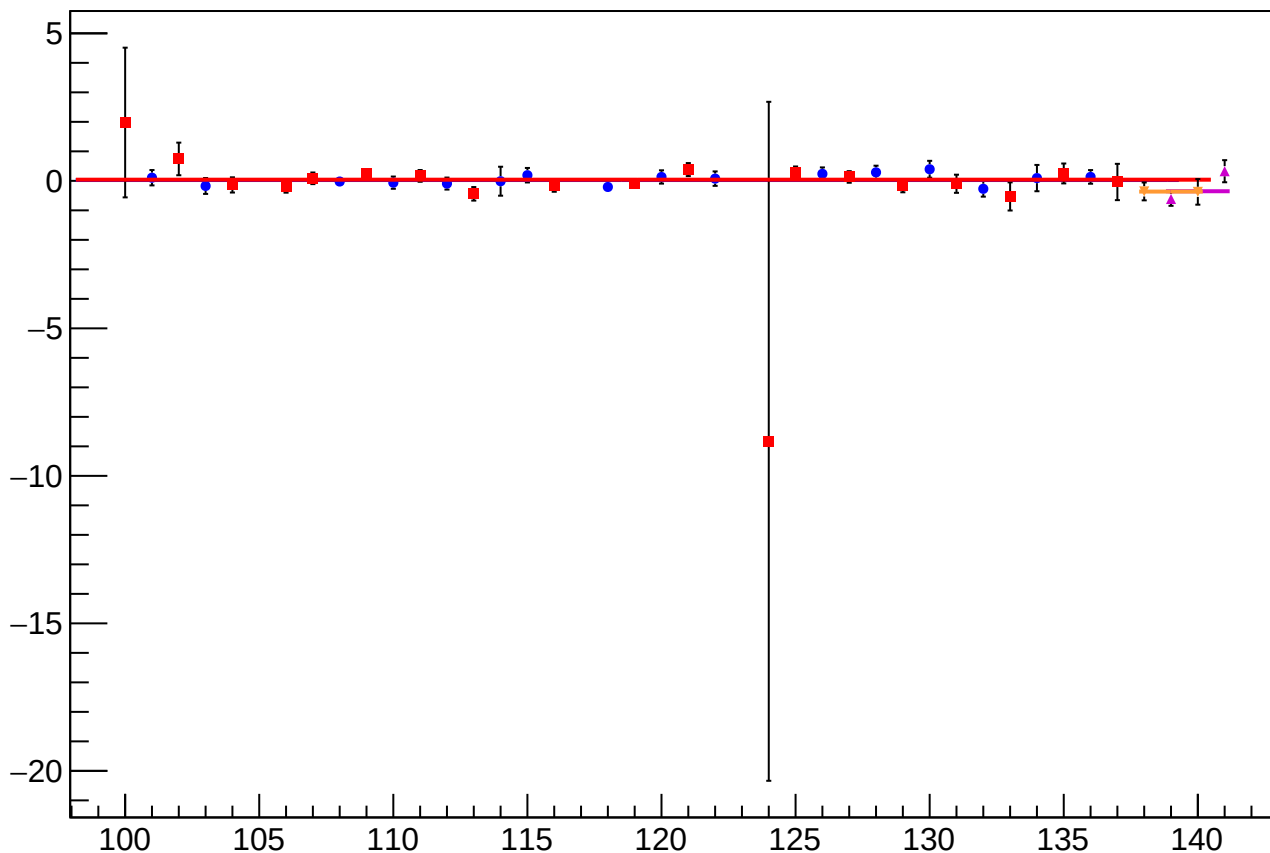
Left In: 243.852 $\pm$ 0.140 χ^2 /NDF:226749.0/1

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889483.6/17

All: 148.208 $\pm$ 0.027 χ^2 /NDF: 4344233.6/38

- sign 142.304 $\pm$ 0.037 χ^2 /NDF: 2401371.6/20

asym_atl_dd_atr_dd_avg_eigen_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

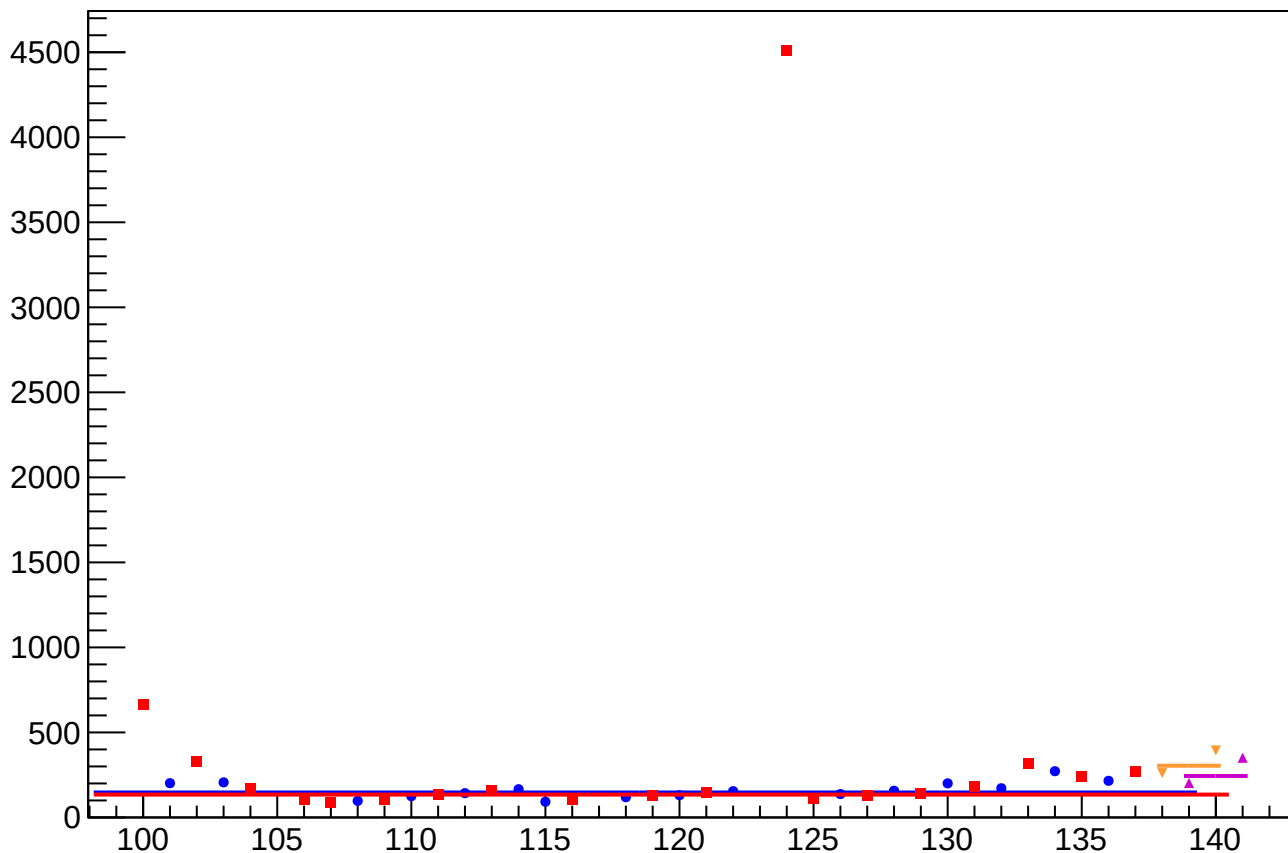
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

asym_atl_dd_atr_dd_avg_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

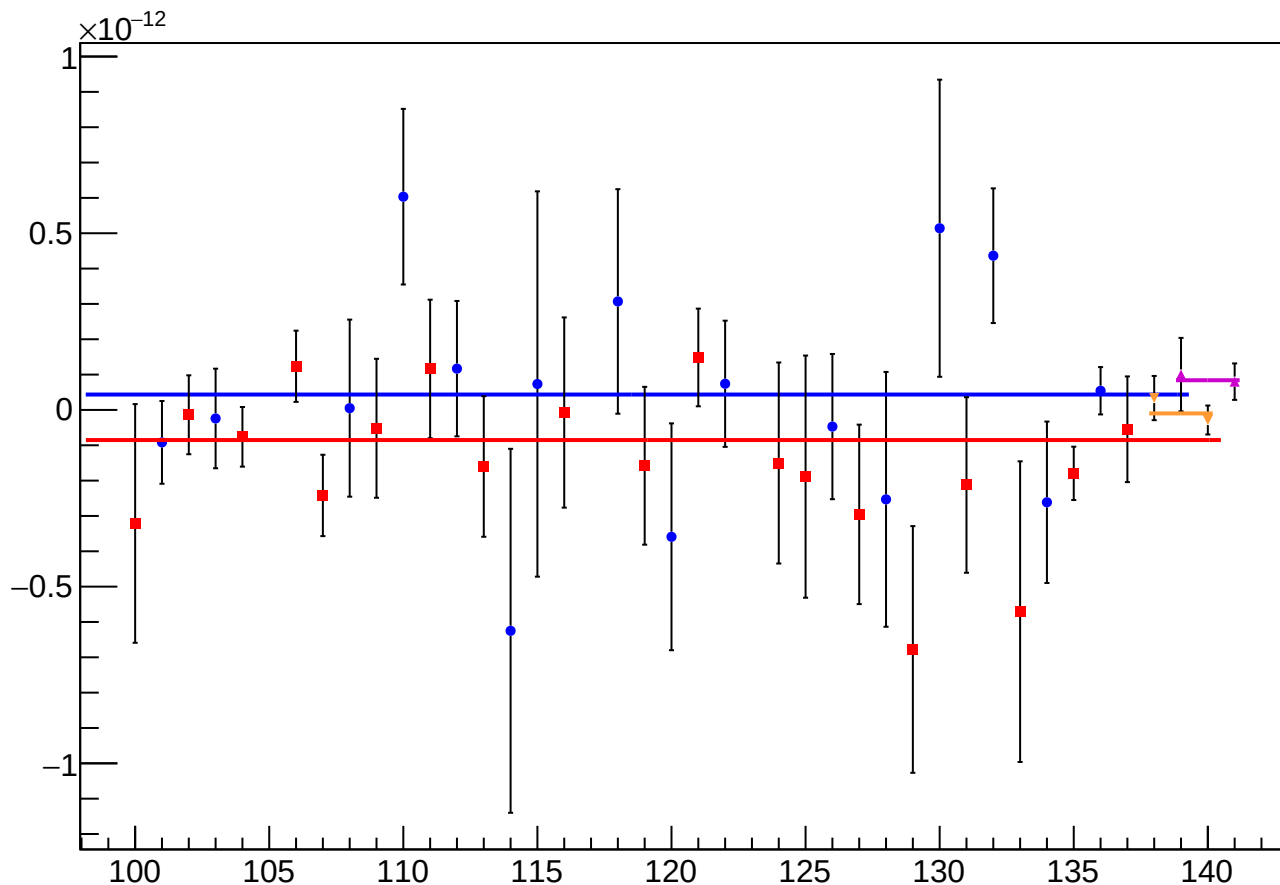
Left In: 243.852+/-0.140 χ^2/NDF : 226749.0/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 148.208+/-0.027 χ^2/NDF : 4344233.6/38

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

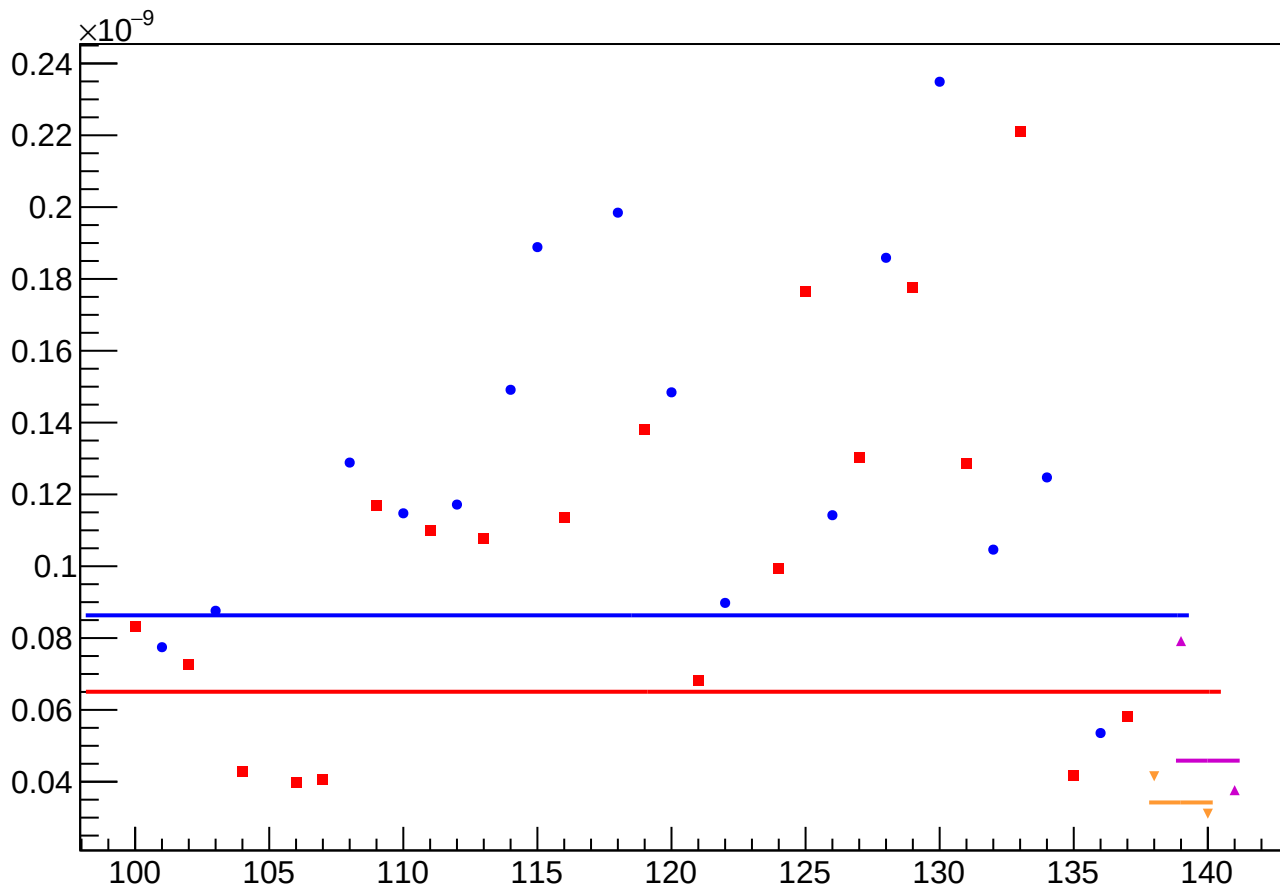
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 48.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/20

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

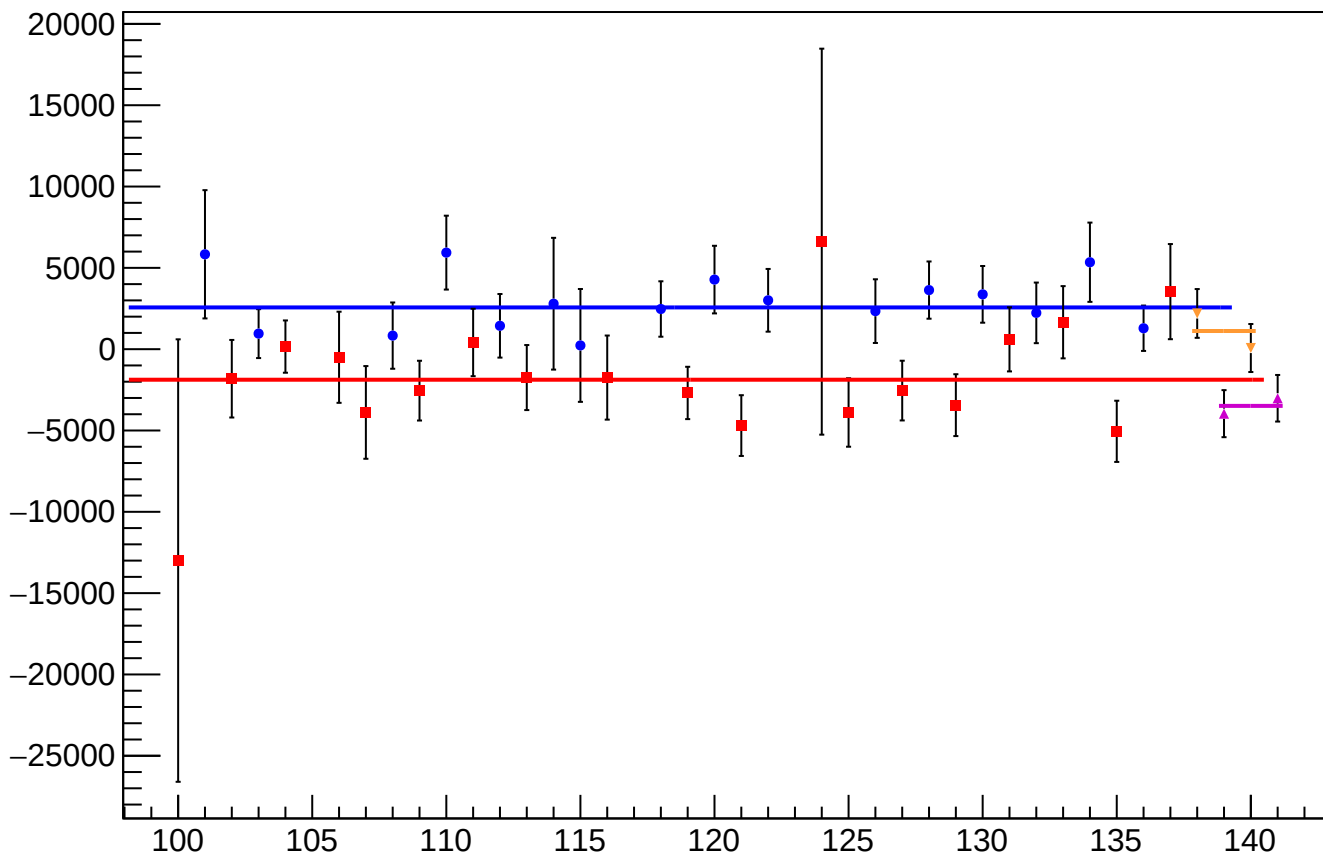
Left In: 0.000+/-0.000 χ^2/NDF : 256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3414015.0/17

All: 0.000+/-0.000 χ^2/NDF : 6070234.1/38

- sign 0.000+/-0.000 χ^2/NDF : 2638271.2/20

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1117.388+/-1052.039 χ^2/NDF : 1.0/1

Right Out: -1878.030+/-494.719 χ^2/NDF : 19.5/18

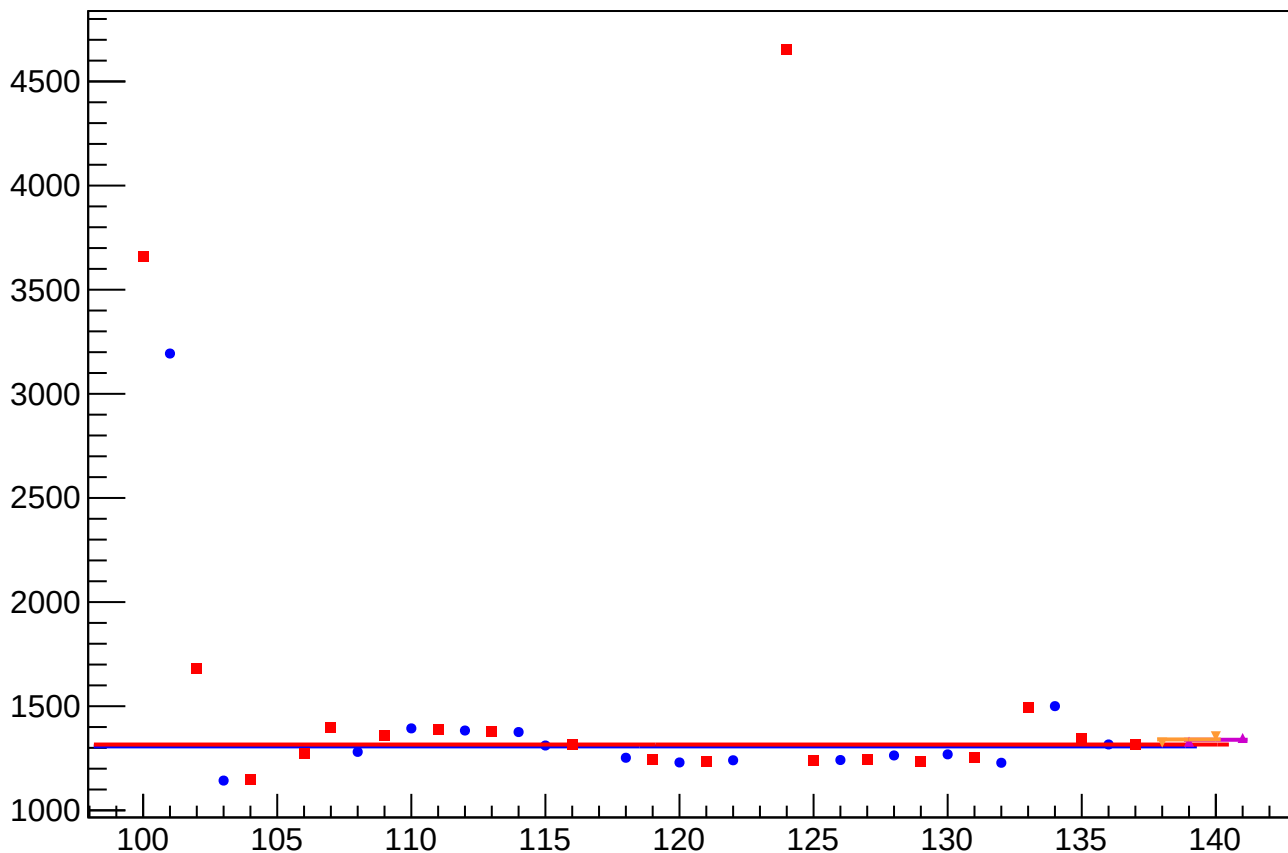
Left In: -3486.669+/-1017.829 χ^2/NDF : 0.2/1

+ sign 2304.308+/-448.168 χ^2/NDF : 11.6/17

All: 43.231+/-315.757 χ^2/NDF : 83.9/38

- sign -2185.442+/-444.945 χ^2/NDF : 21.8/20

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF : 516249.0/15

Left Out: 1340.454+/-0.744 χ^2/NDF :419.7/1

Right Out: 1315.999+/-0.349 χ^2/NDF : 326420.0/18

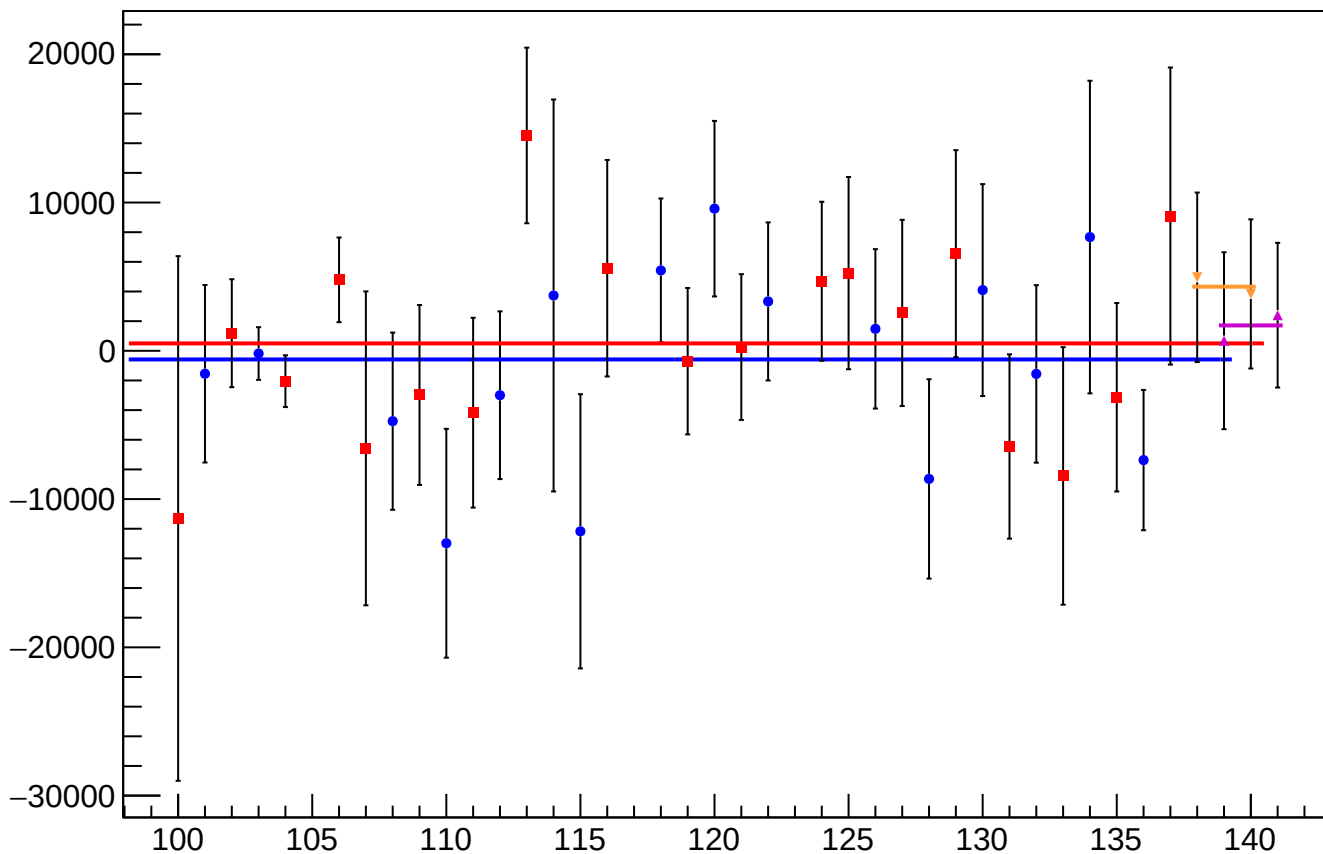
Left In: 1338.861+/-0.720 χ^2/NDF :149.6/1

+ sign 1313.127+/-0.317 χ^2/NDF : 518317.3/17

All: 1316.772+/-0.223 χ^2/NDF : 845966.1/38

- sign 1320.349+/-0.314 χ^2/NDF : 327386.7/20

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

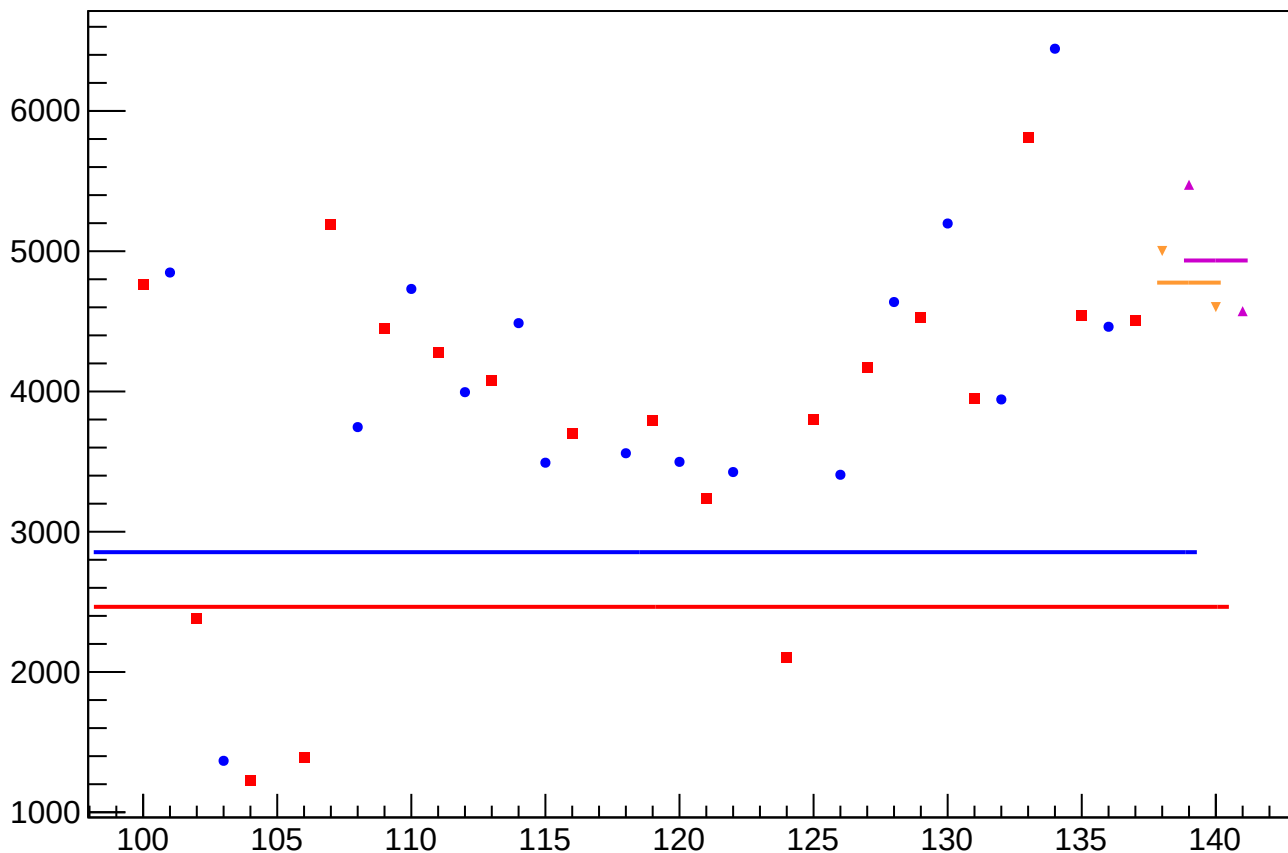
Left In: 1712.622+/-3777.686 χ^2/NDF : 0.0/1

+ sign -136.467+/-1137.460 χ^2/NDF : 16.3/17

All: 266.260+/-757.947 χ^2/NDF : 34.4/38

- sign 587.891+/-1016.507 χ^2/NDF : 17.8/20

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

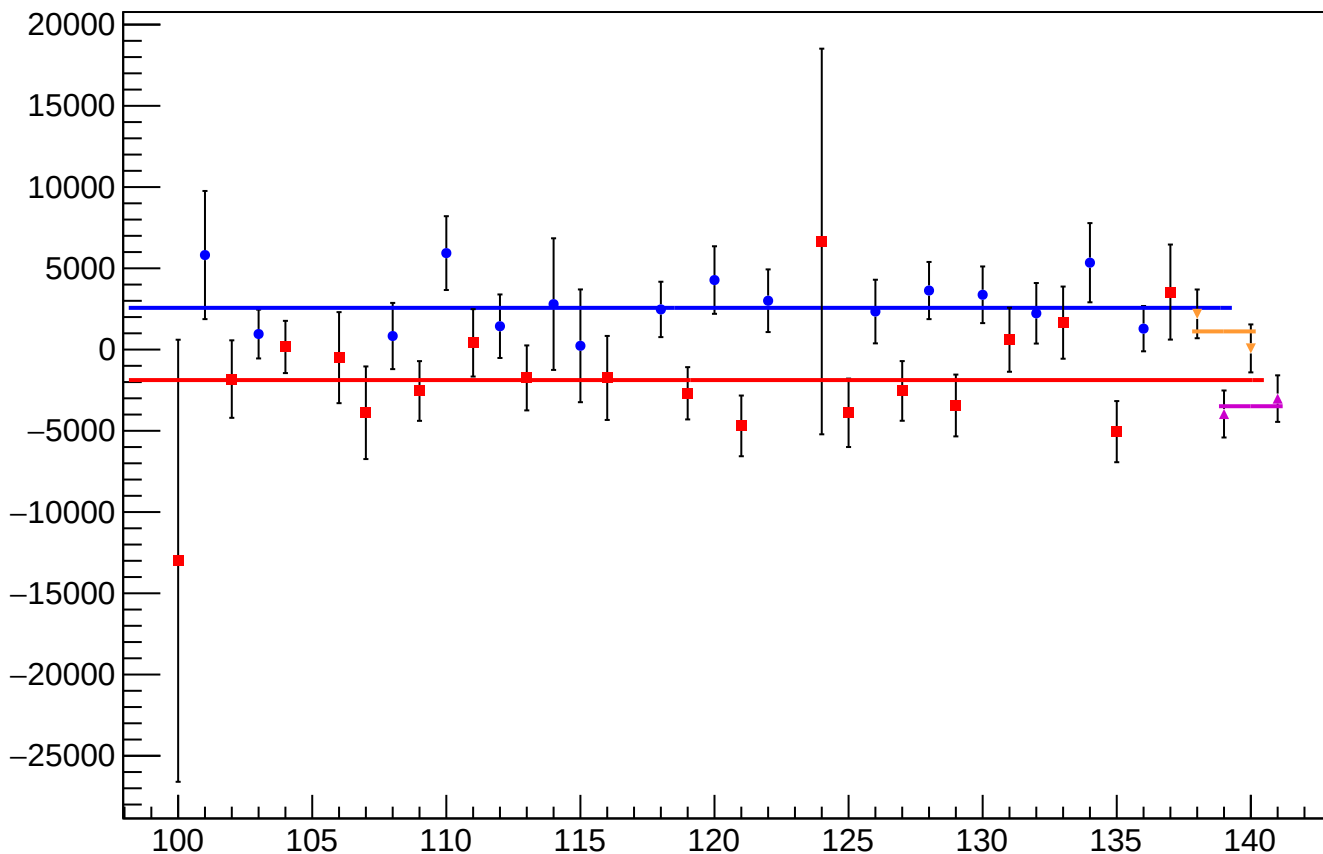
Left In: 4933.926+/-2.671 χ^2/NDF : 27330.5/1

+ sign 3028.674+/-0.804 χ^2/NDF : 3381382.7/17

All: 2814.462+/-0.536 χ^2/NDF : 7684918.4/38

- sign 2643.385+/-0.719 χ^2/NDF : 4175953.9/20

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF : 1.0/1

Right Out: -1877.774+/-494.719 χ^2/NDF : 19.5/18

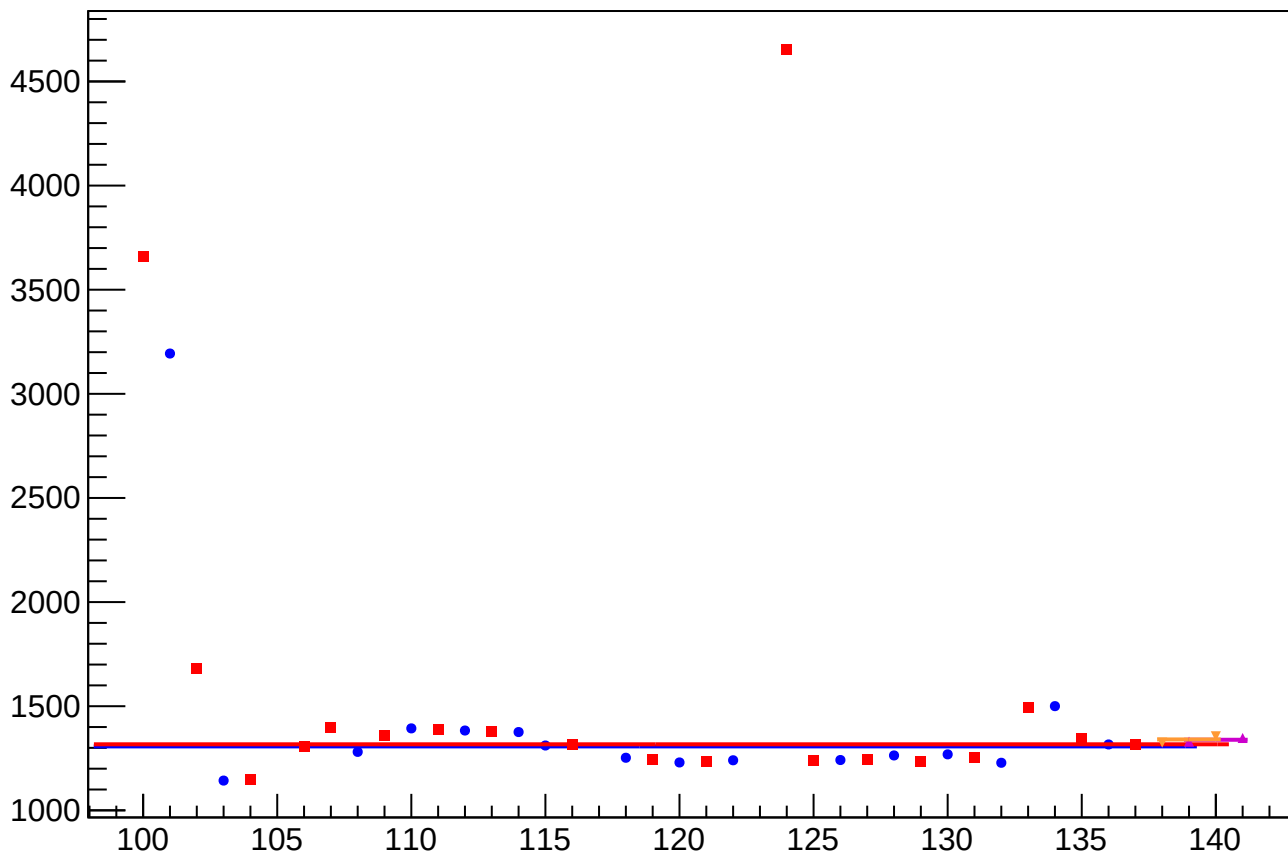
Left In: -3486.936+/-1017.829 χ^2/NDF : 0.2/1

+ sign 2304.096+/-448.168 χ^2/NDF : 11.6/17

All: 43.204+/-315.757 χ^2/NDF : 83.9/38

- sign -2185.286+/-444.945 χ^2/NDF : 21.8/20

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF : 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF : 419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF : 325926.8/18

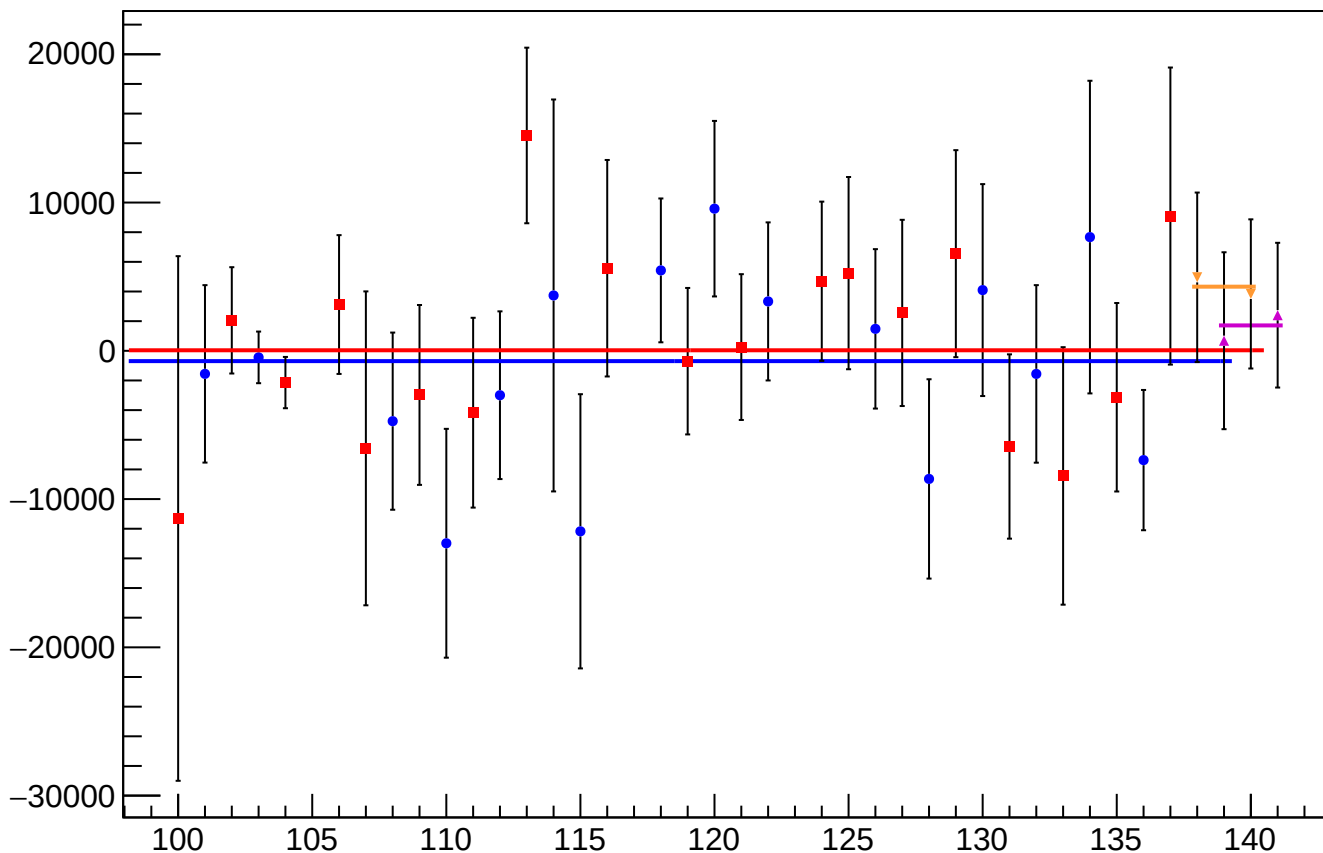
Left In: 1338.861+/-0.720 χ^2/NDF : 149.6/1

+ sign 1313.127+/-0.317 χ^2/NDF : 518318.9/17

All: 1317.233+/-0.223 χ^2/NDF : 845466.3/38

- sign 1321.268+/-0.314 χ^2/NDF : 326814.5/20

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

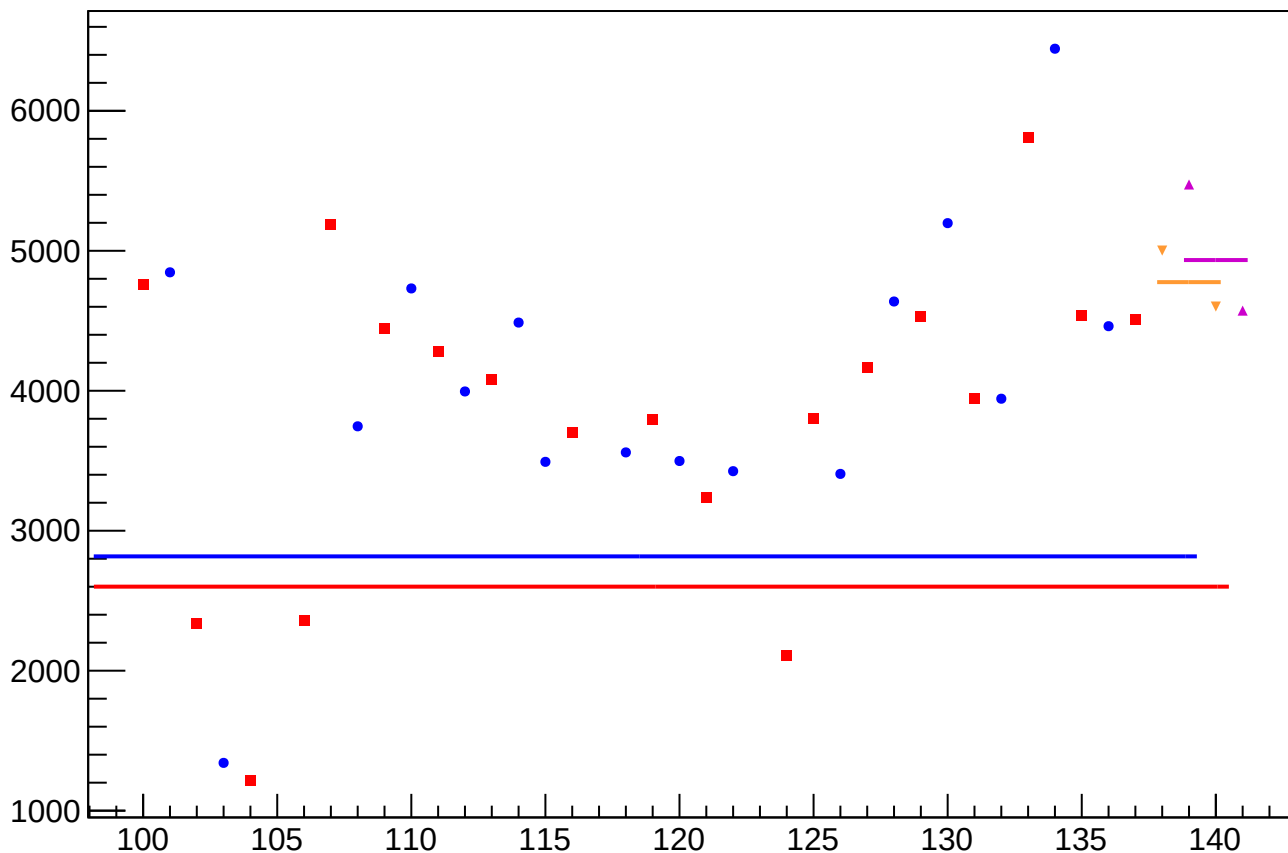
Left In: 1712.696 ± 3777.686 χ^2/NDF : 0.0/1

+ sign -246.845 ± 1128.407 χ^2/NDF : 16.3/17

All: -26.063 ± 770.467 χ^2/NDF : 32.6/38

- sign 166.764 ± 1054.550 χ^2/NDF : 16.2/20

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

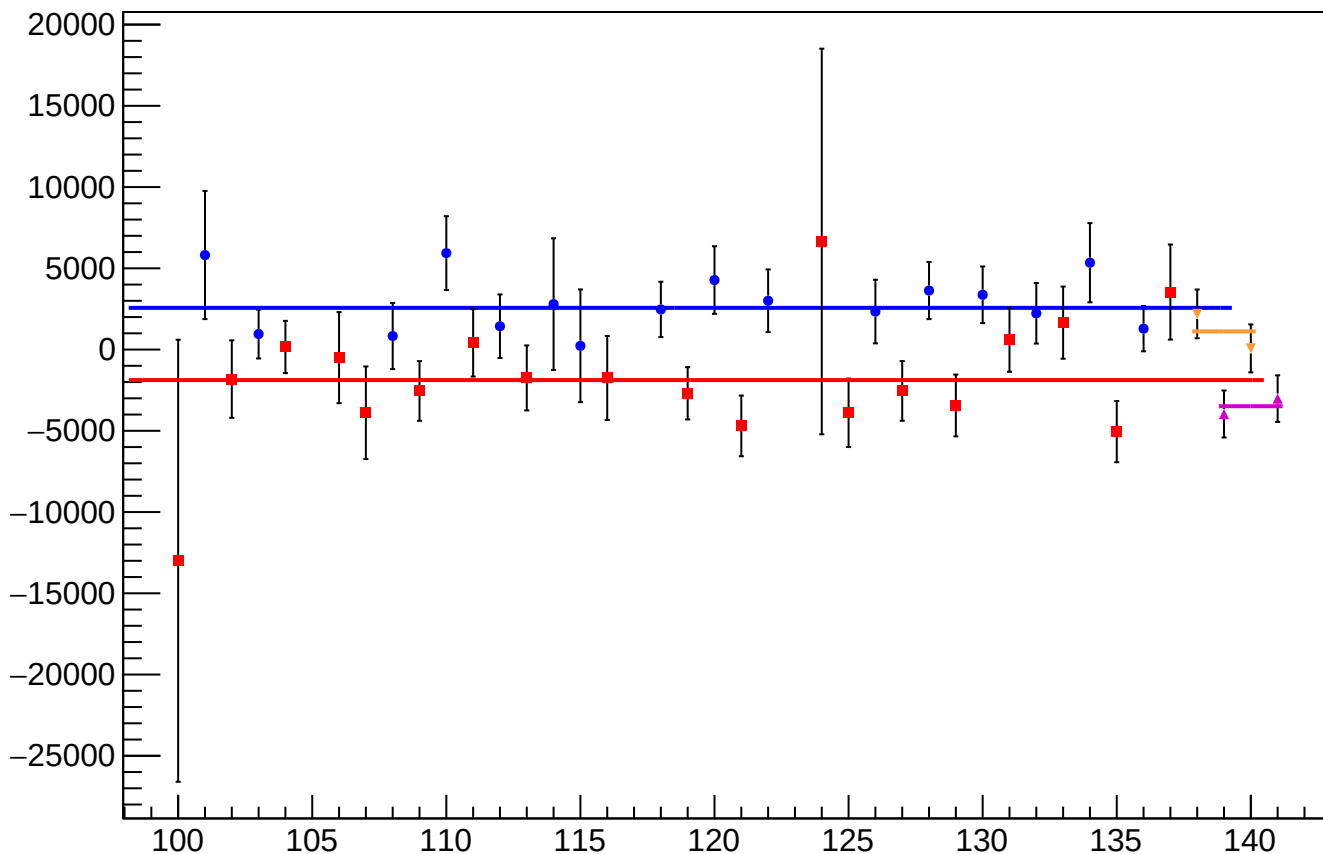
Left In: 4933.925 $\pm$ 2.671 χ^2 /NDF:27331.2/1

+ sign 2991.743 $\pm$ 0.798 χ^2 /NDF: 3503471.7/17

All: 2879.974 $\pm$ 0.545 χ^2 /NDF: 7351929.2/38

- sign 2782.357 $\pm$ 0.746 χ^2 /NDF: 3811697.9/20

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

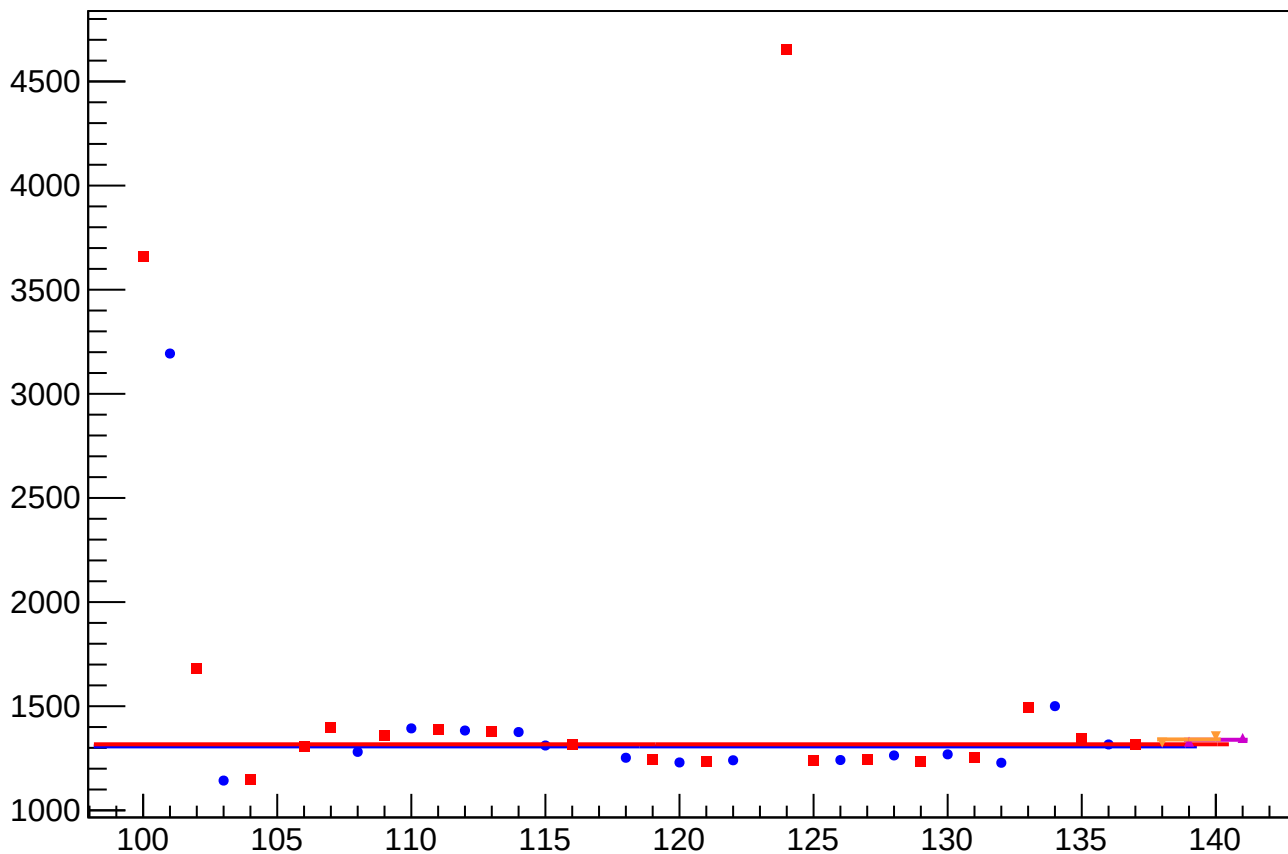
Left In: -3486.936+/-1017.829 χ^2/NDF : 0.2/1

+ sign 2304.096+/-448.168 χ^2/NDF : 11.6/17

All: 43.204+/-315.757 χ^2/NDF : 83.9/38

- sign -2185.286+/-444.945 χ^2/NDF : 21.8/20

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF : 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF : 419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF : 325926.8/18

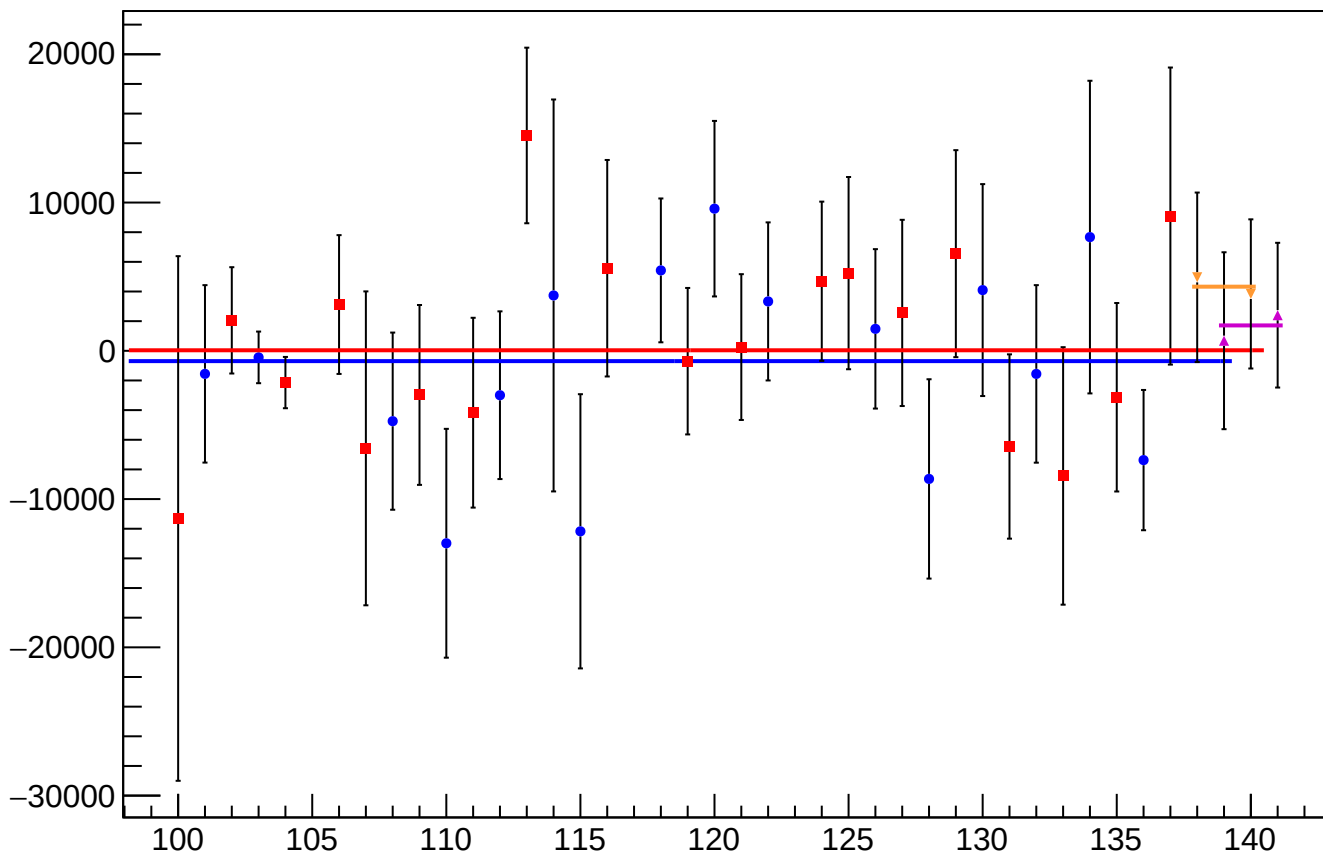
Left In: 1338.861+/-0.720 χ^2/NDF : 149.6/1

+ sign 1313.127+/-0.317 χ^2/NDF : 518318.9/17

All: 1317.233+/-0.223 χ^2/NDF : 845466.3/38

- sign 1321.268+/-0.314 χ^2/NDF : 326814.5/20

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

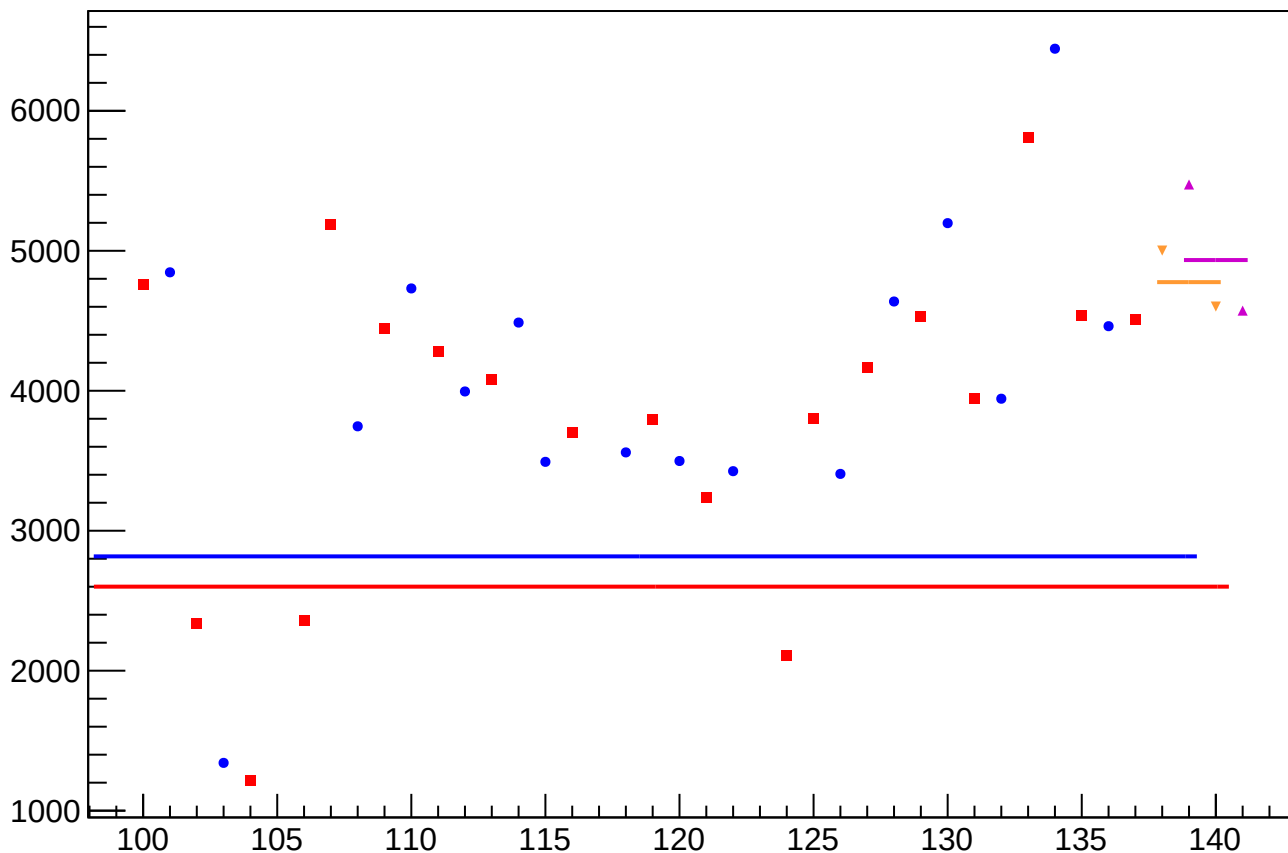
Left In: 1712.696+/-3777.686 χ^2/NDF : 0.0/1

+ sign -246.845+/-1128.407 χ^2/NDF : 16.3/17

All: -26.063+/-770.467 χ^2/NDF : 32.6/38

- sign 166.764+/-1054.550 χ^2/NDF : 16.2/20

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

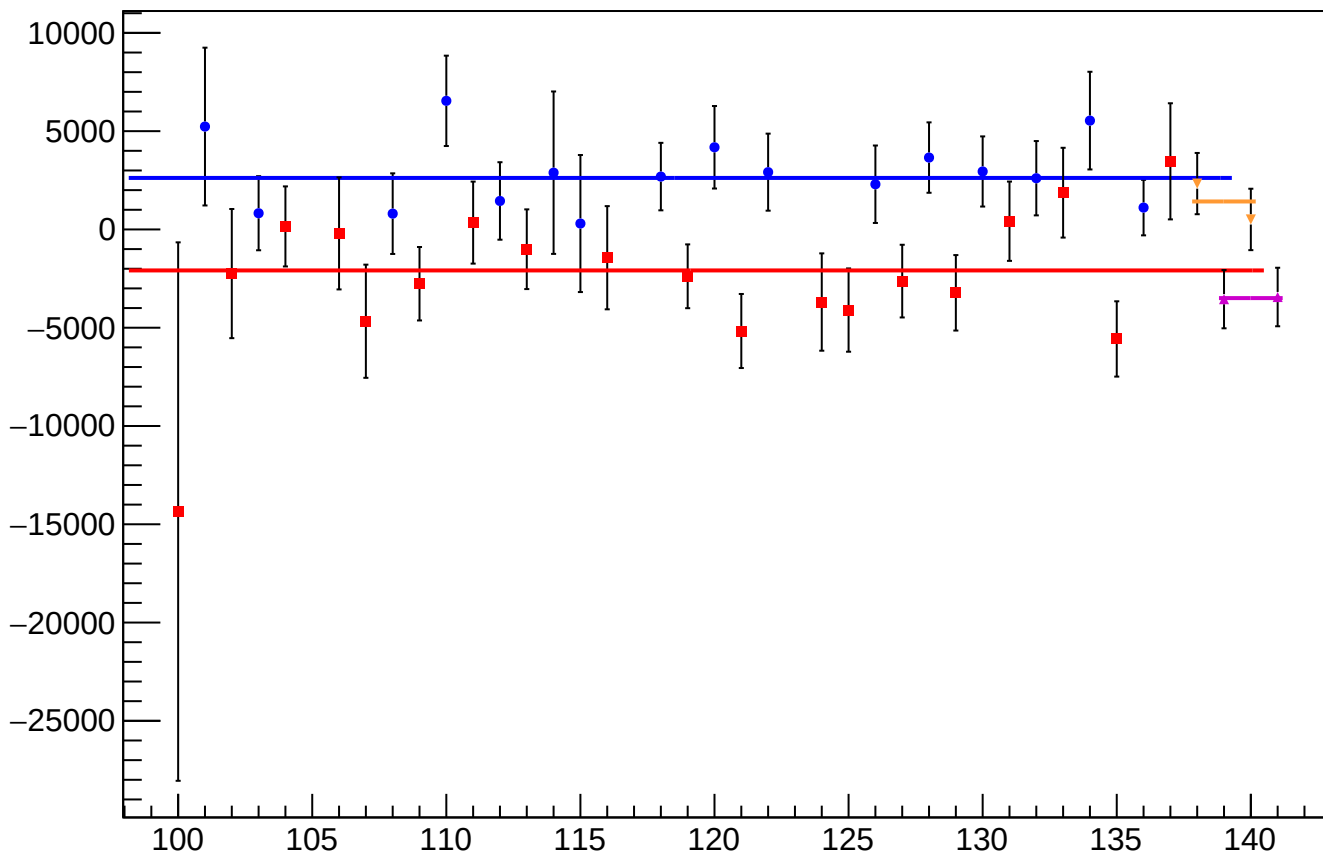
Left In: 4933.925+/-2.671 χ^2/NDF : 27331.2/1

+ sign 2991.743+/-0.798 χ^2/NDF : 3503471.7/17

All: 2879.974+/-0.545 χ^2/NDF : 7351929.2/38

- sign 2782.357+/-0.746 χ^2/NDF : 3811697.9/20

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535 $\pm$ 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

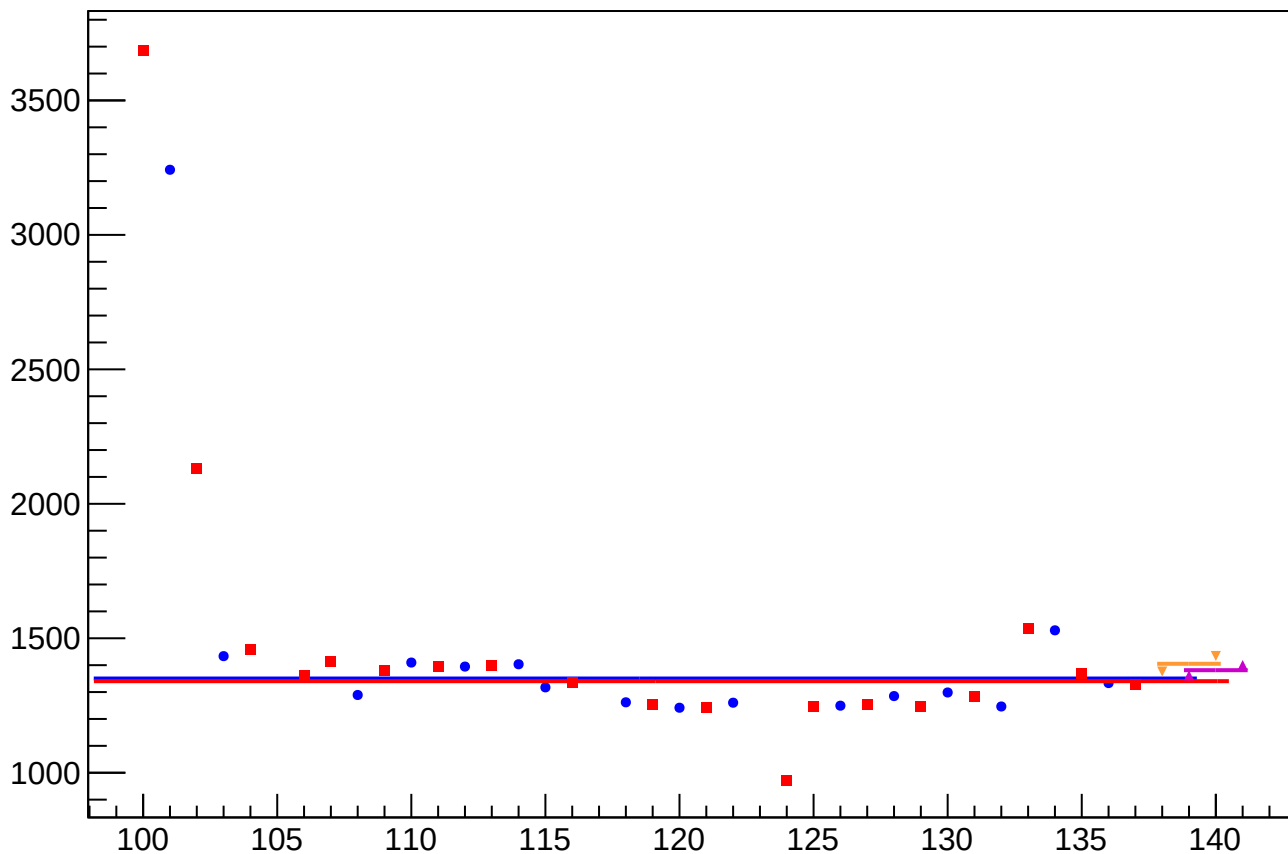
Left In: -3492.907 $\pm$ 1050.422 χ^2 /NDF: 0.0/1

+ sign 2408.656 $\pm$ 464.060 χ^2 /NDF: 11.0/17

All: -17.208 $\pm$ 324.904 χ^2 /NDF: 87.0/38

- sign -2349.702 $\pm$ 455.041 χ^2 /NDF: 22.4/20

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369 $\pm$ 0.362 χ^2 /NDF: 494051.1/15

Left Out: 1405.148 $\pm$ 0.780 χ^2 /NDF:1371.5/1

Right Out: 1340.429 $\pm$ 0.357 χ^2 /NDF: 272183.5/18

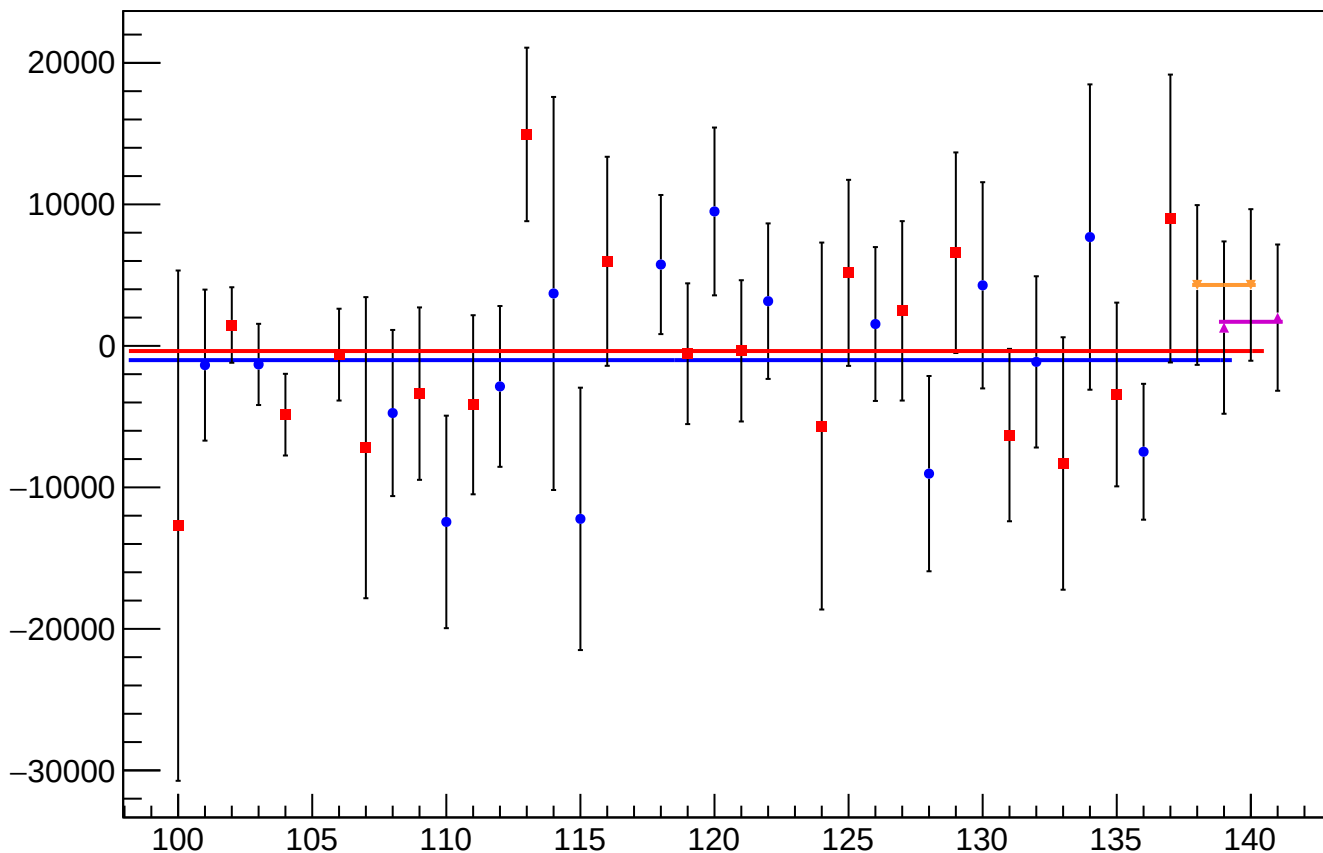
Left In: 1381.333 $\pm$ 0.743 χ^2 /NDF:664.4/1

+ sign 1360.061 $\pm$ 0.328 χ^2 /NDF: 499480.7/17

All: 1353.959 $\pm$ 0.230 χ^2 /NDF: 775470.9/38

- sign 1348.097 $\pm$ 0.322 χ^2 /NDF: 275312.1/20

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

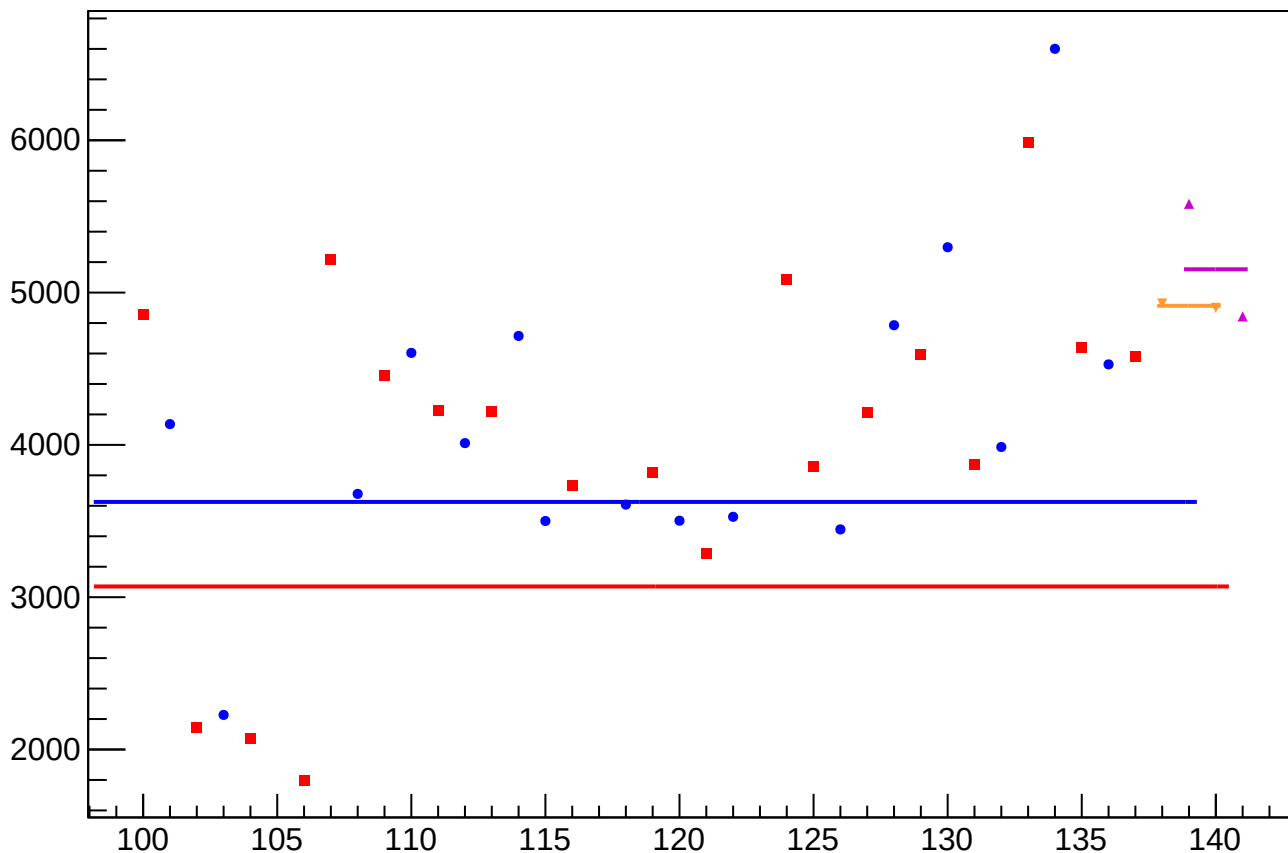
Left In: 1701.984 ± 3940.607 χ^2/NDF : 0.0/1

+ sign -392.986 ± 1320.827 χ^2/NDF : 16.2/17

All: -276.660 ± 867.383 χ^2/NDF : 32.7/38

- sign -188.456 ± 1150.140 χ^2/NDF : 16.5/20

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

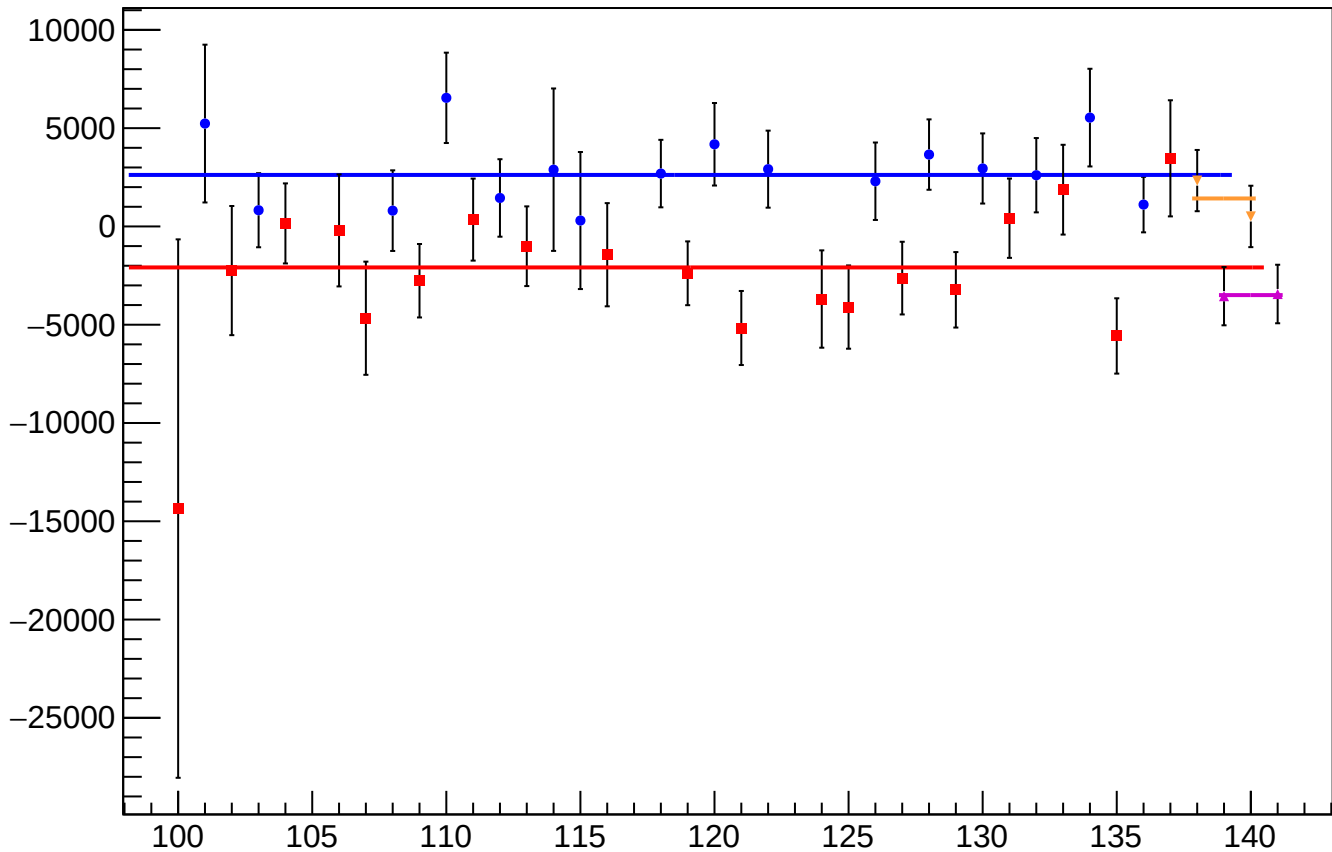
Left In: 5153.116 $\pm$ 2.786 χ^2 /NDF: 17142.5/1

+ sign 3774.324 $\pm$ 0.934 χ^2 /NDF: 1139255.8/17

All: 3474.898 $\pm$ 0.613 χ^2 /NDF: 3686840.9/36

- sign 3247.859 $\pm$ 0.813 χ^2 /NDF: 2366869.0/20

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

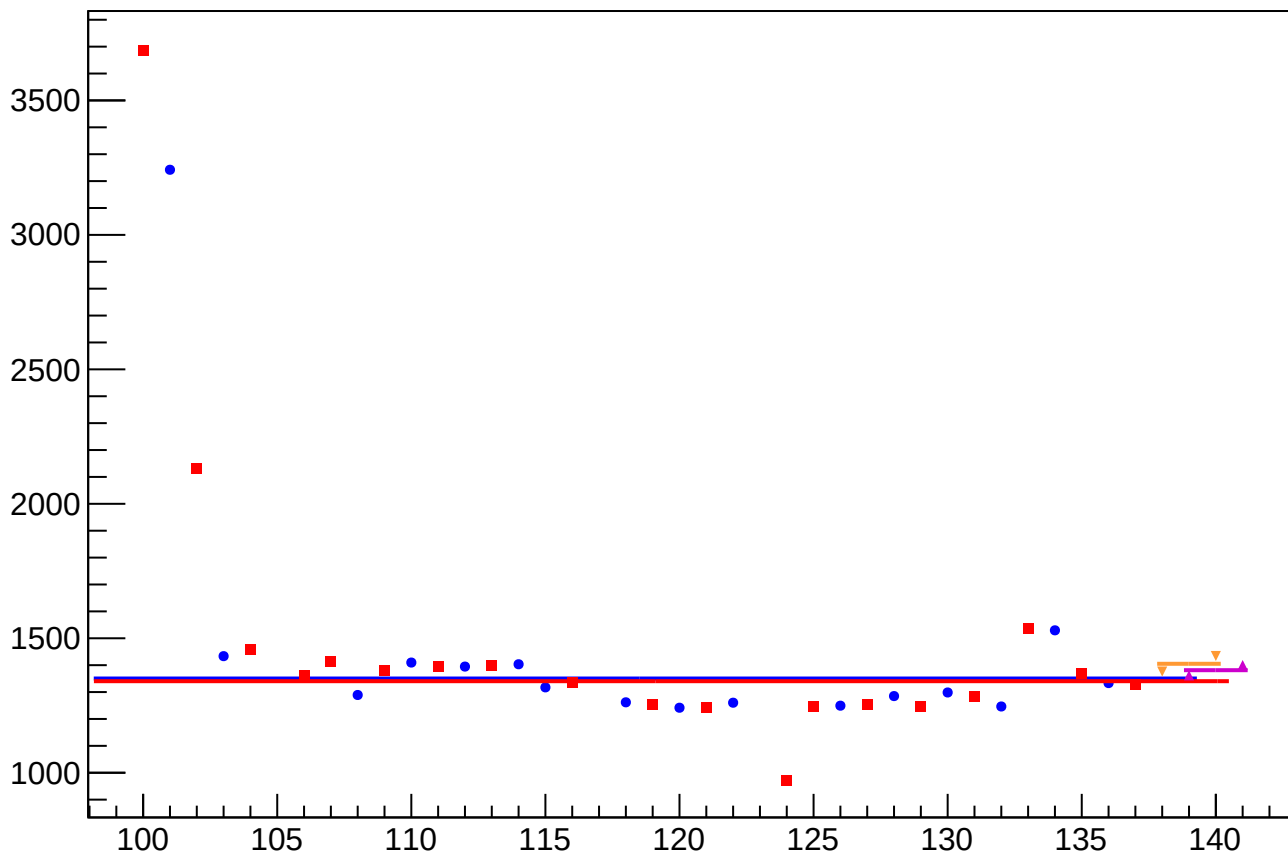
Left In: -3492.892 $\pm$ 1050.423 χ^2 /NDF: 0.0/1

+ sign 2408.657 $\pm$ 464.059 χ^2 /NDF: 11.0/17

All: -17.206 $\pm$ 324.904 χ^2 /NDF: 87.0/38

- sign -2349.700 $\pm$ 455.041 χ^2 /NDF: 22.4/20

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF : 494051.2/15

Left Out: 1405.148+/-0.780 χ^2/NDF :1371.5/1

Right Out: 1340.428+/-0.357 χ^2/NDF : 272182.5/18

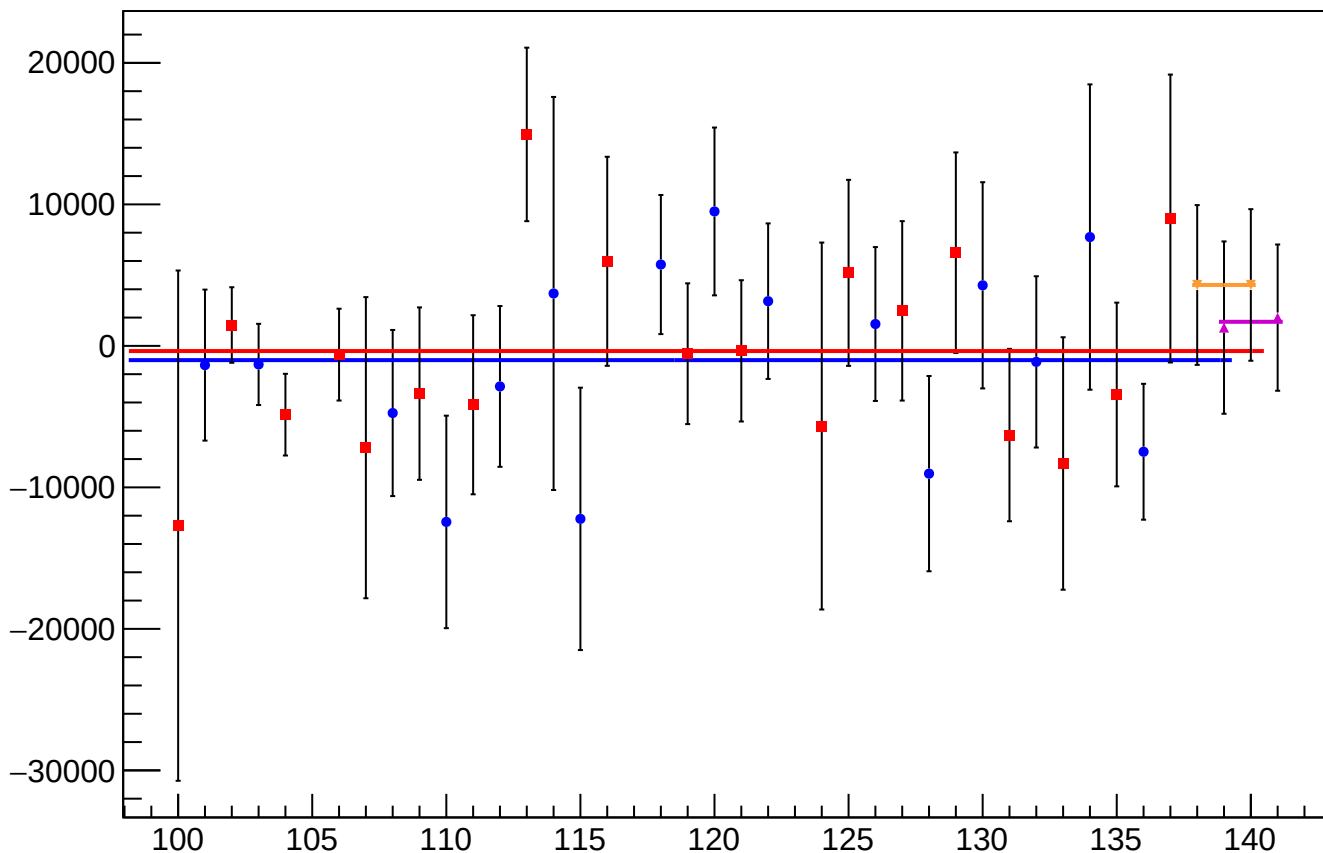
Left In: 1381.334+/-0.743 χ^2/NDF :664.3/1

+ sign 1360.061+/-0.328 χ^2/NDF : 499481.0/17

All: 1353.958+/-0.230 χ^2/NDF : 775470.3/38

- sign 1348.097+/-0.322 χ^2/NDF : 275311.3/20

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1006.742 ± 1404.455 χ^2/NDF : 14.6/15

Left Out: 4305.015 ± 3885.660 χ^2/NDF : 0.0/1

Right Out: -364.495 ± 1202.495 χ^2/NDF : 16.2/18

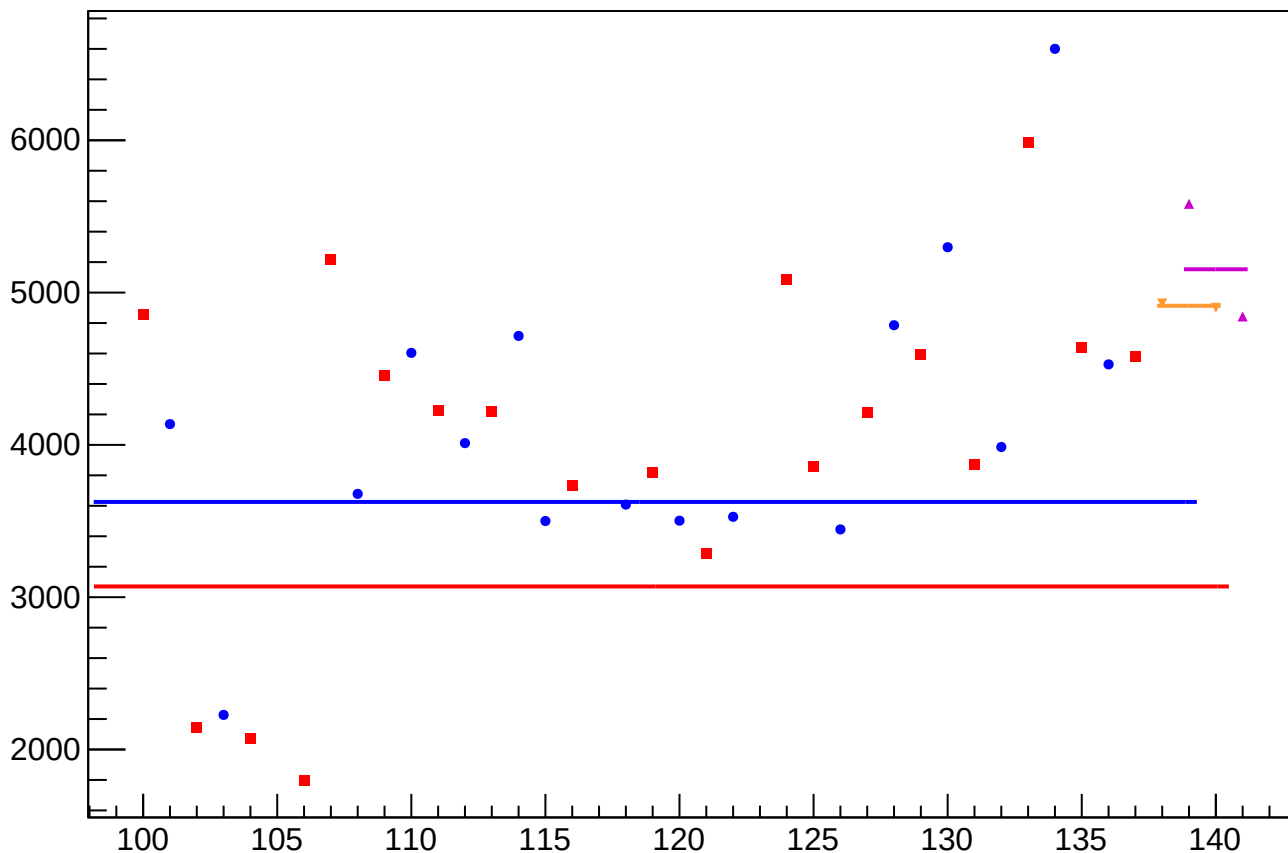
Left In: 1701.996 ± 3940.613 χ^2/NDF : 0.0/1

+ sign -392.982 ± 1320.824 χ^2/NDF : 16.2/17

All: -276.659 ± 867.381 χ^2/NDF : 32.7/38

- sign -188.457 ± 1150.137 χ^2/NDF : 16.5/20

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

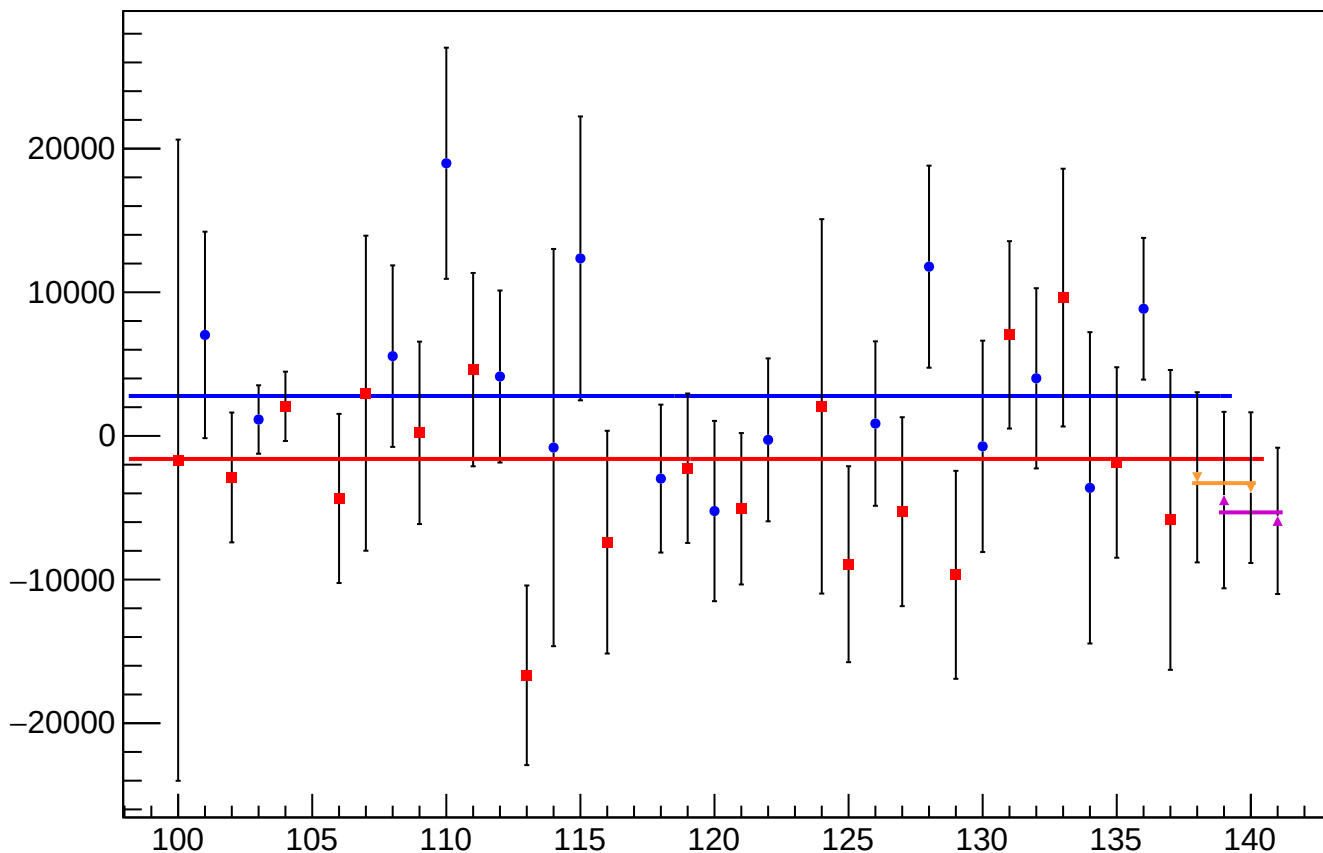
Left In: 5153.123+/-2.786 χ^2/NDF : 17143.0/1

+ sign 3774.316+/-0.934 χ^2/NDF : 1139262.5/17

All: 3474.889+/-0.613 χ^2/NDF : 3686858.6/36

- sign 3247.851+/-0.813 χ^2/NDF : 2366879.0/20

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

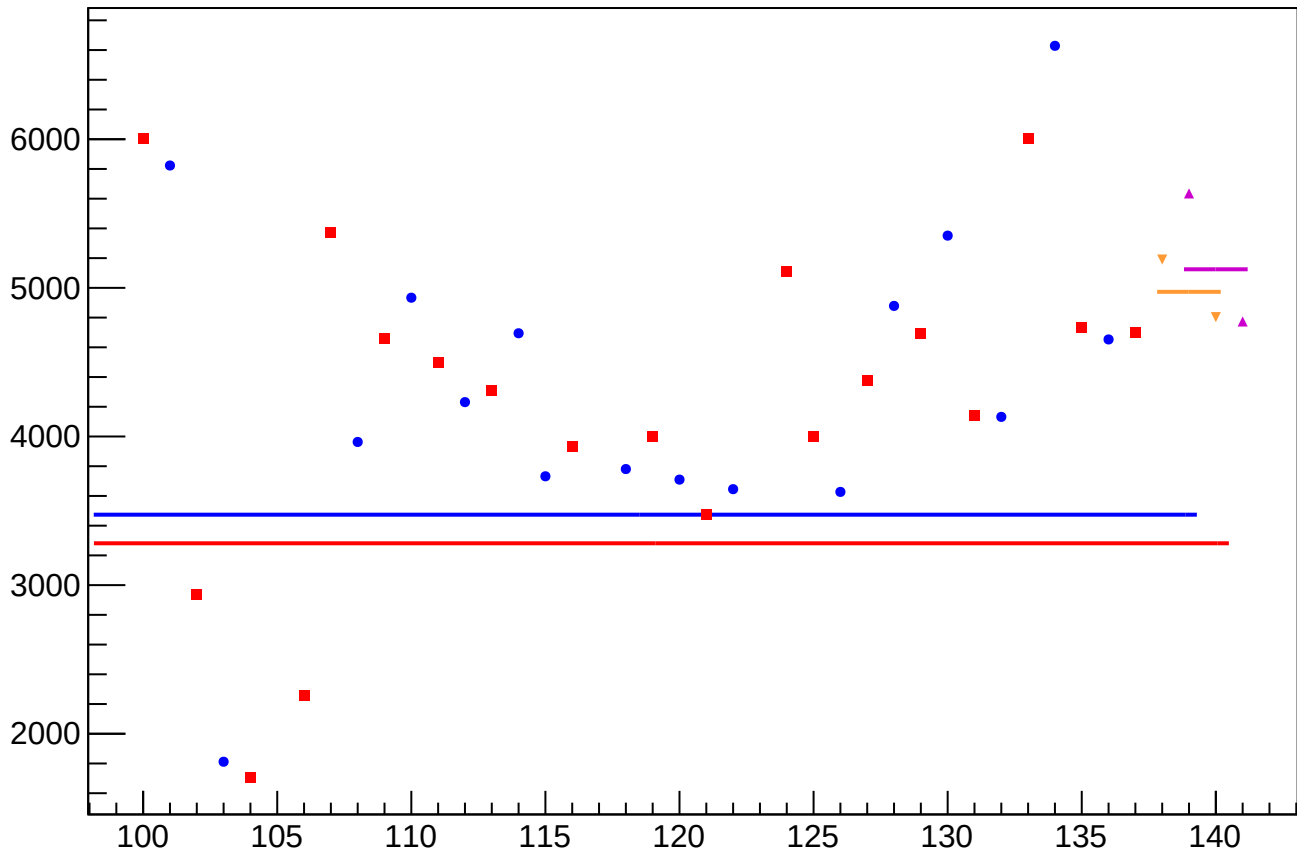
Left In: -5322.907 $\pm$ 3920.039 χ^2 /NDF: 0.0/1

+ sign 2106.367 $\pm$ 1309.908 χ^2 /NDF: 15.3/17

All: -12.690 $\pm$ 910.115 χ^2 /NDF: 38.0/38

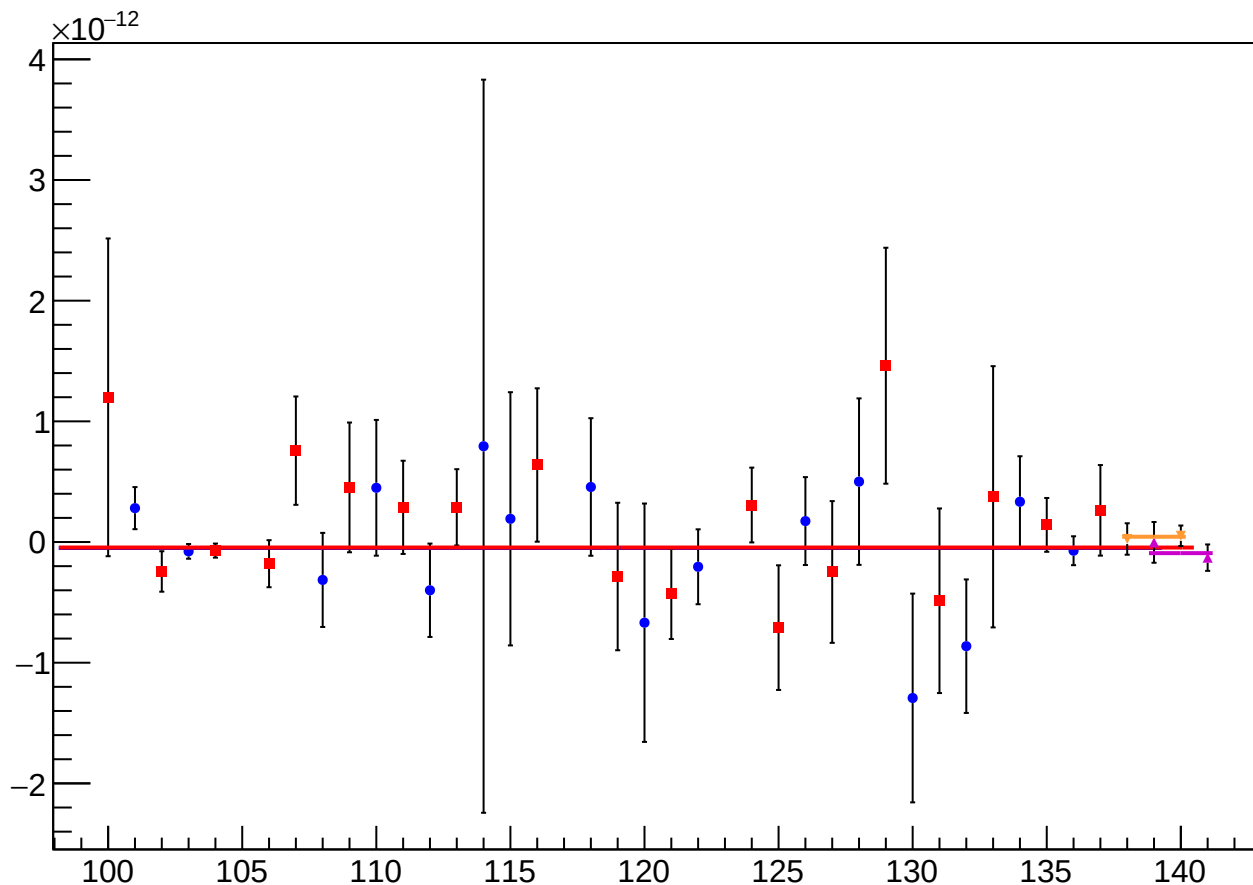
- sign -1990.309 $\pm$ 1265.438 χ^2 /NDF: 17.6/20

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF : 1843964.2/15 + sign 3640.639+/-0.926 χ^2/NDF : 2107776.5/17
 Left Out: 4973.340+/-2.778 χ^2/NDF : 4794.9/1 All: 3550.746+/-0.639 χ^2/NDF : 4421926.7/38
 Right Out: 3281.478+/-0.932 χ^2/NDF : 1875493.9/18 - sign 3468.898+/-0.884 χ^2/NDF : 2296155.1/20
 Left In: 5124.951+/-2.772 χ^2/NDF : 23322.9/1

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

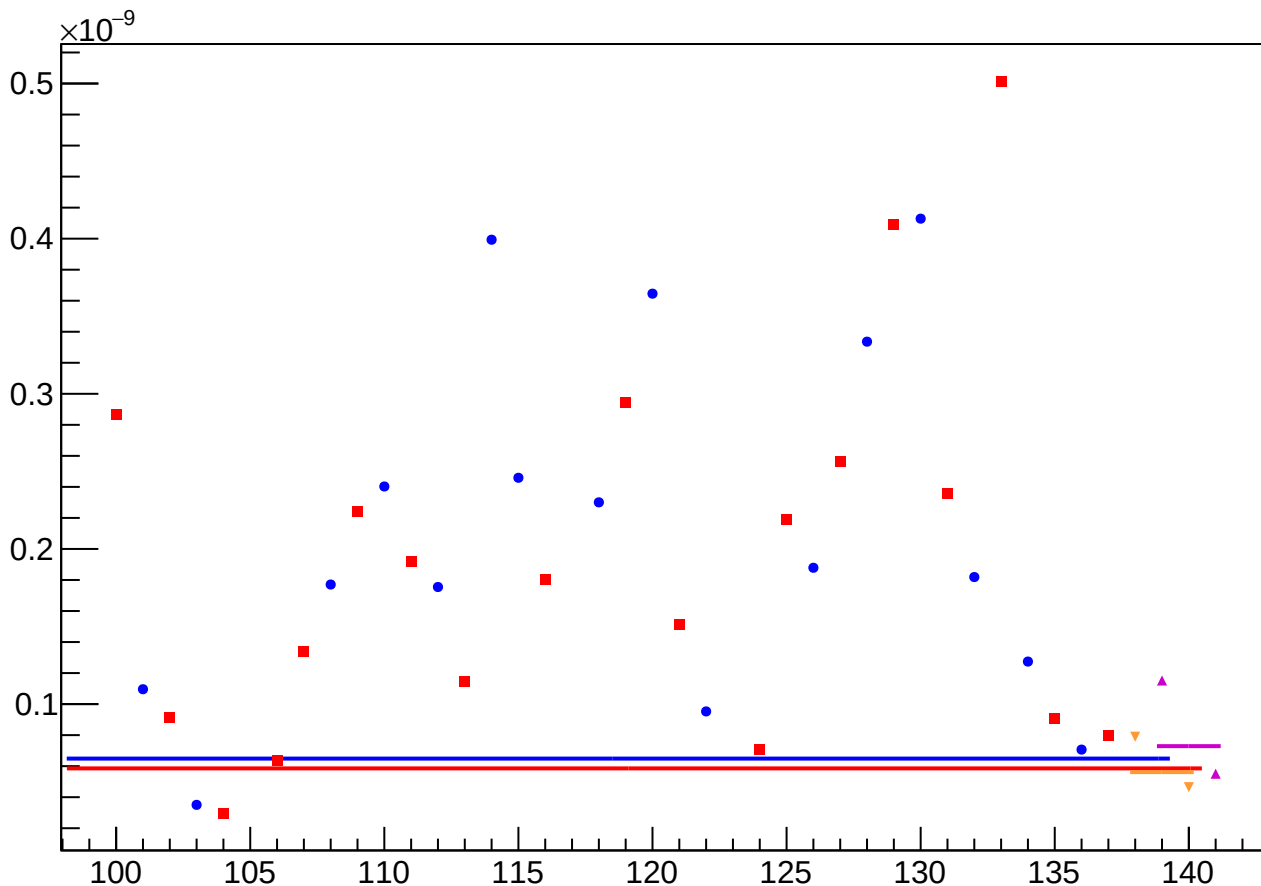
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.5/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/20

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2592912.3/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 87394.9/1$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2855105.2/18$

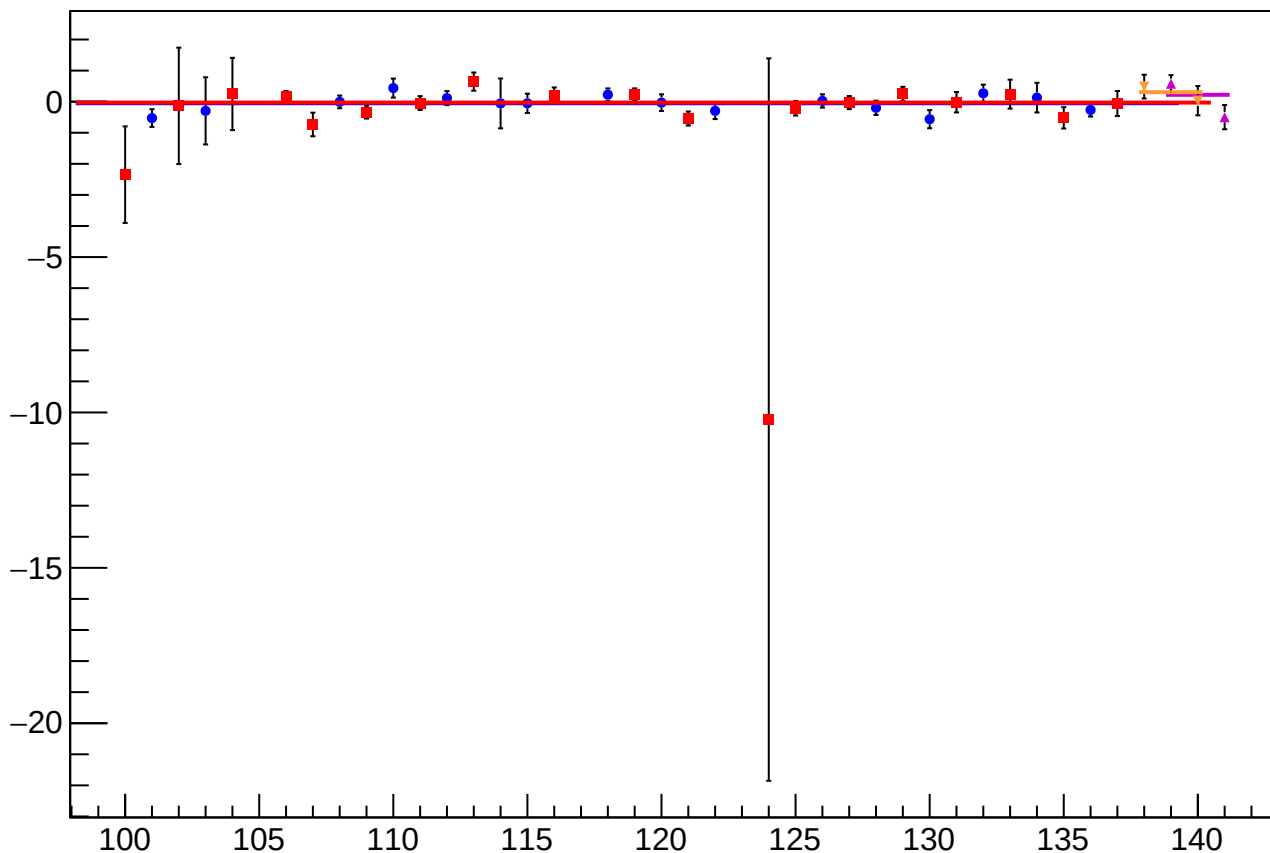
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 178274.0/1$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 2700784.2/17$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 5772777.6/38$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 3071833.9/20$

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

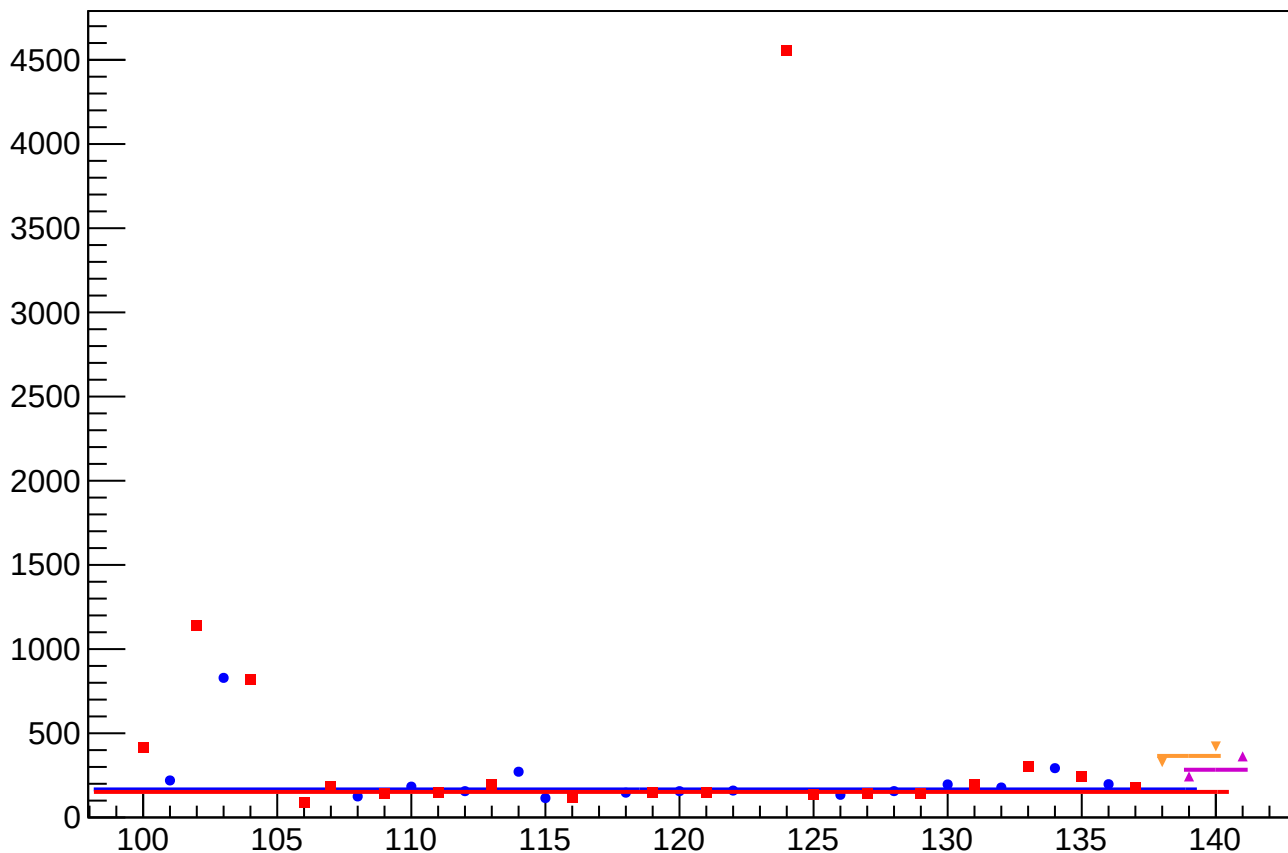
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.021 ± 0.045 χ^2/NDF : 50.6/38

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360 $\pm$ 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

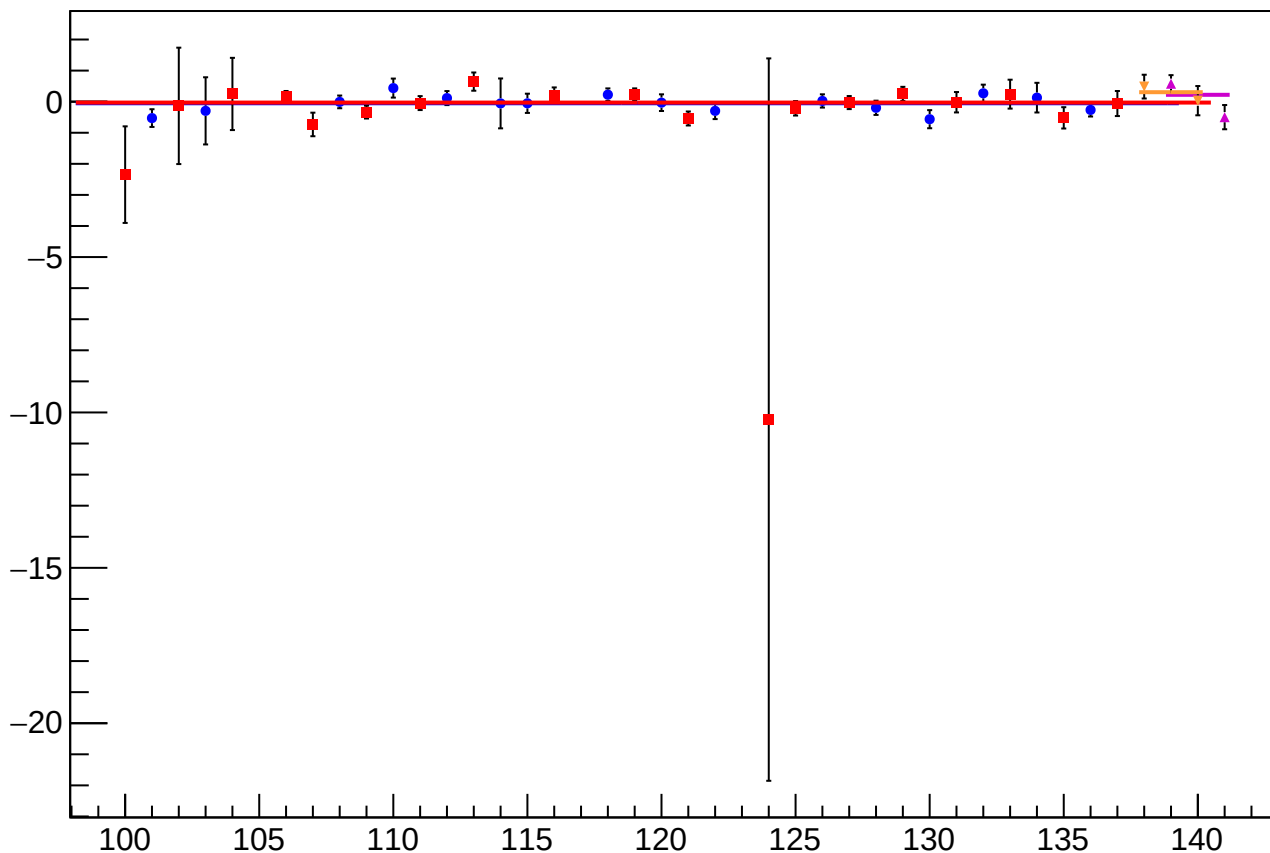
Left In: 283.374 $\pm$ 0.159 χ^2 /NDF: 124396.6/1

+ sign 175.942 $\pm$ 0.046 χ^2 /NDF: 2187003.3/17

All: 168.405 $\pm$ 0.032 χ^2 /NDF: 5311647.3/38

- sign 161.663 $\pm$ 0.044 χ^2 /NDF: 3073861.8/20

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

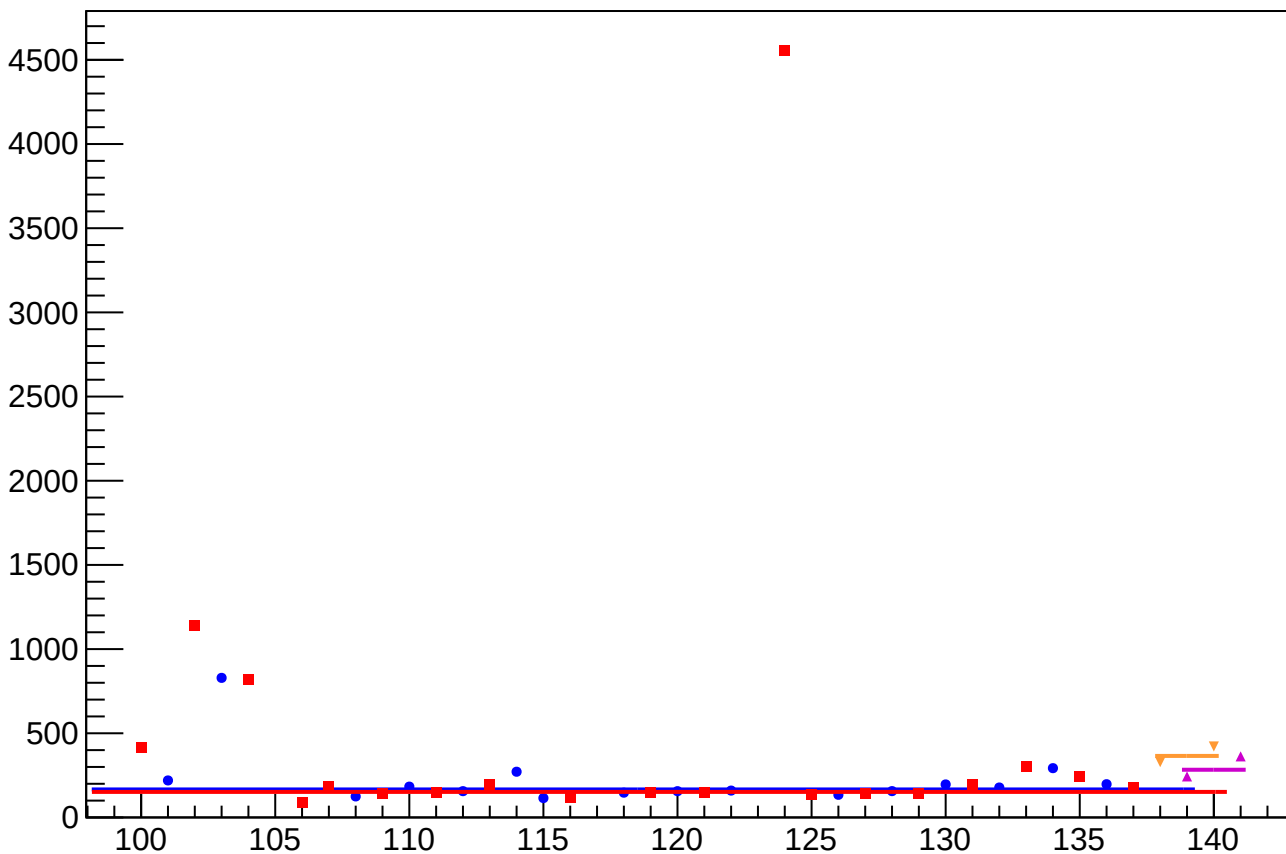
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.021 ± 0.045 χ^2/NDF : 50.6/38

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

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

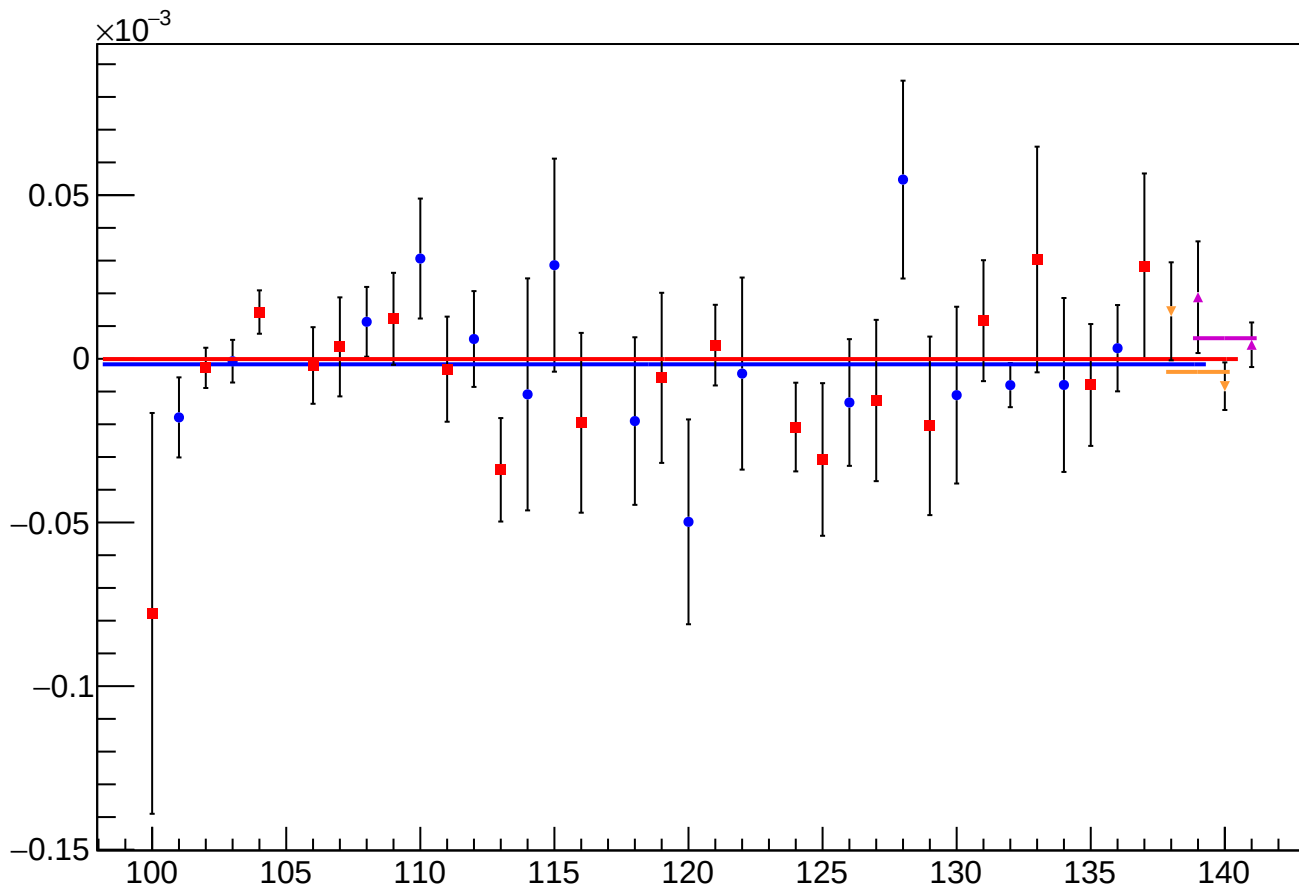
Left In: 283.374+/-0.159 χ^2/NDF : 124396.6/1

+ sign 175.942+/-0.046 χ^2/NDF : 2187003.3/17

All: 168.405+/-0.032 χ^2/NDF : 5311647.3/38

- sign 161.663+/-0.044 χ^2/NDF : 3073861.8/20

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

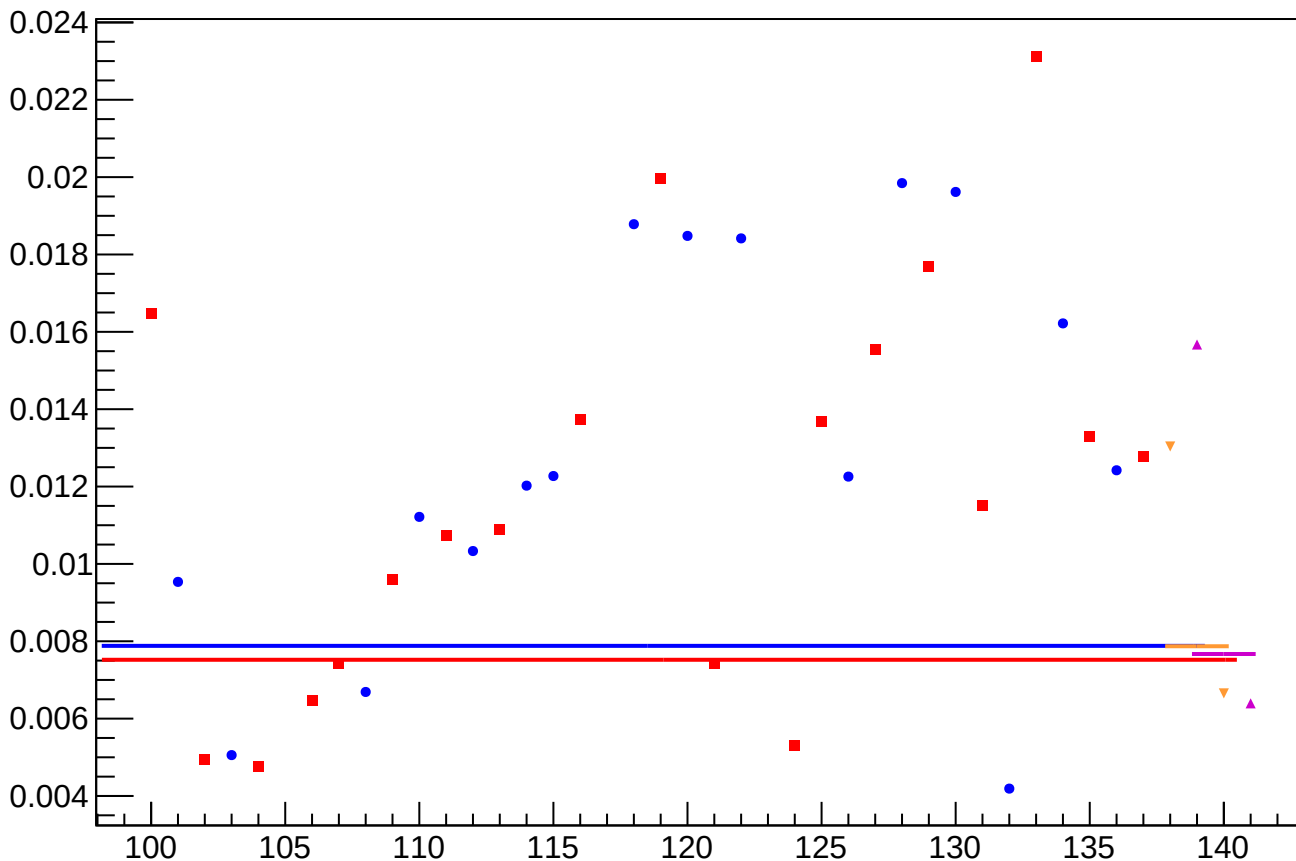
Left In: 0.000+/-0.000 χ^2/NDF : 0.6/1

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

All: -0.000+/-0.000 χ^2/NDF : 39.5/38

- sign 0.000+/-0.000 χ^2/NDF : 21.3/20

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

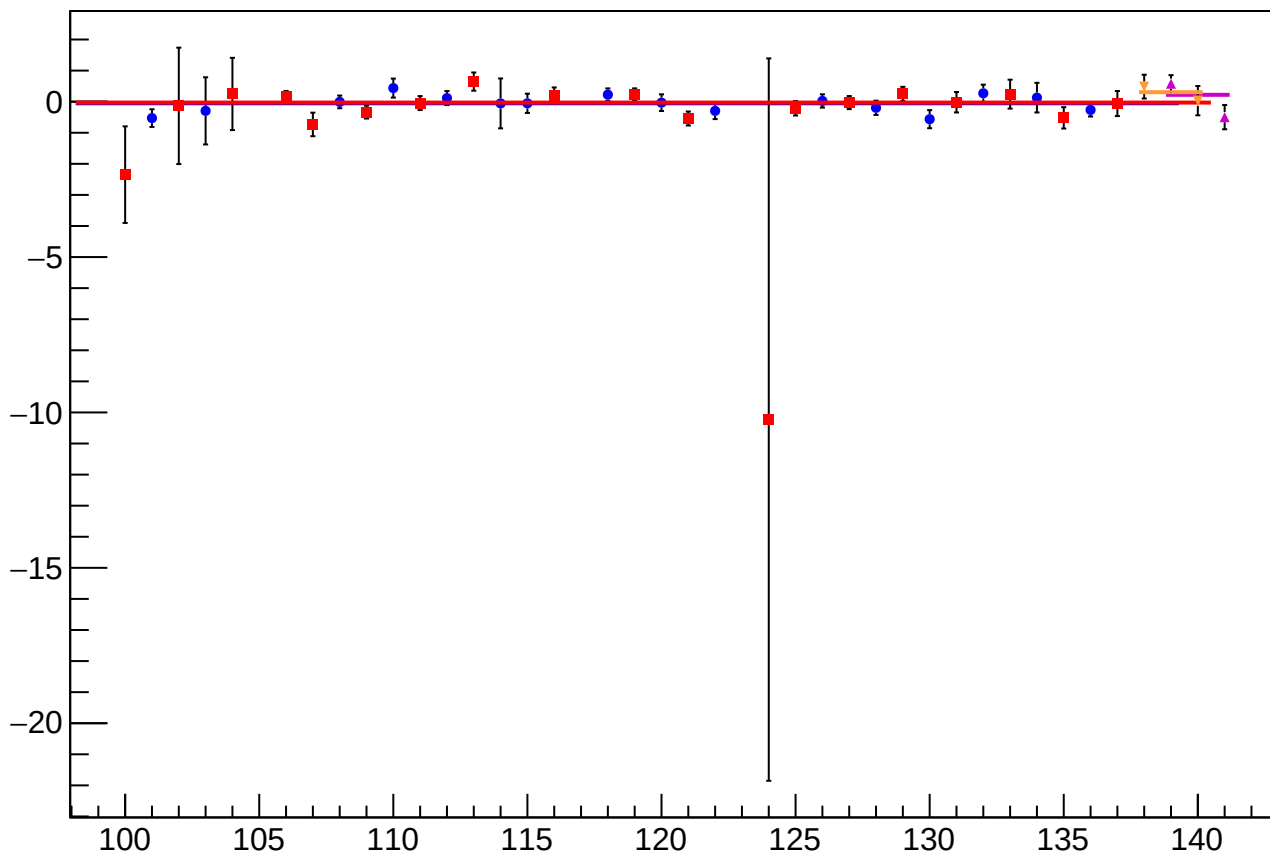
Left In: 0.008+/-0.000 χ^2/NDF : 510064.9/1

+ sign 0.008+/-0.000 χ^2/NDF : 3596123.7/17

All: 0.008+/-0.000 χ^2/NDF : 7095097.3/38

- sign 0.008+/-0.000 χ^2/NDF : 3486292.7/20

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

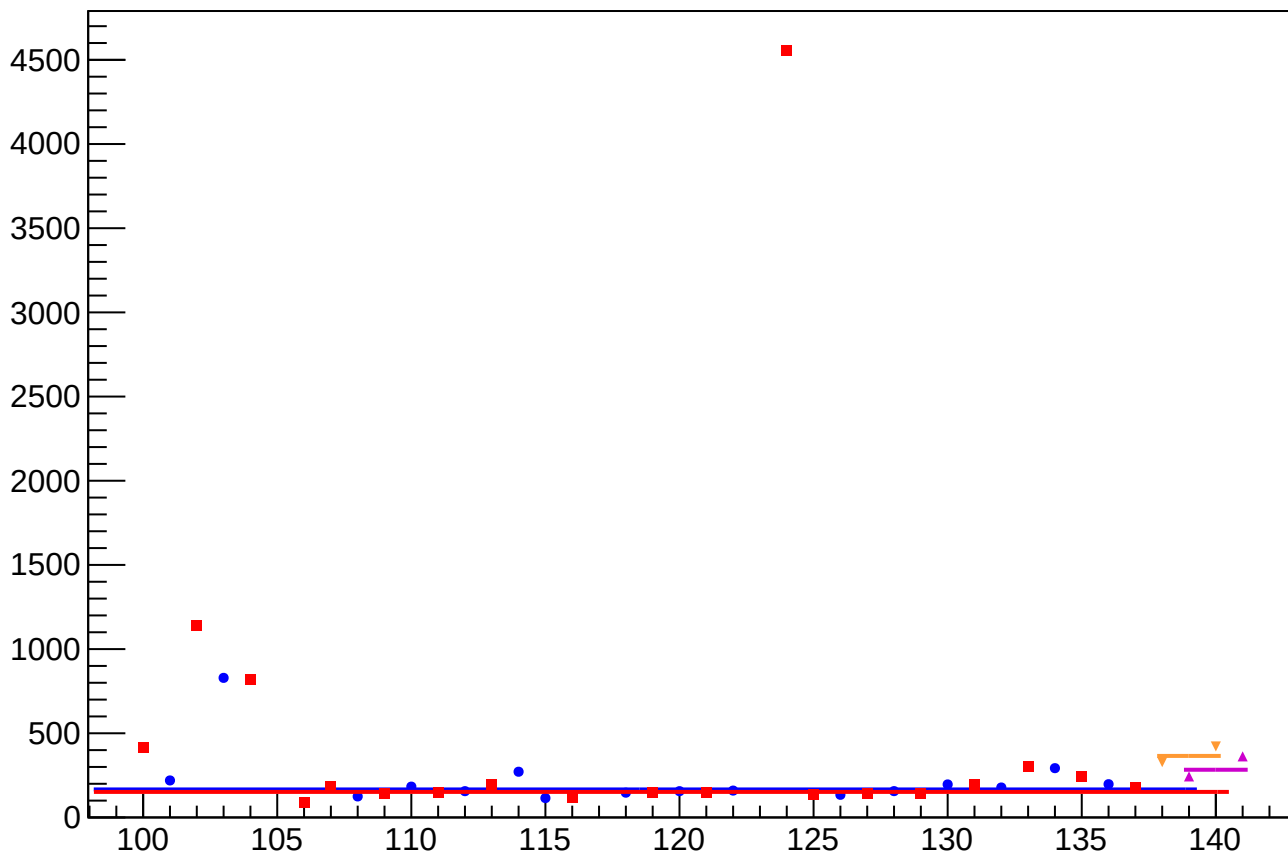
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.021 ± 0.045 χ^2/NDF : 50.6/38

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

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

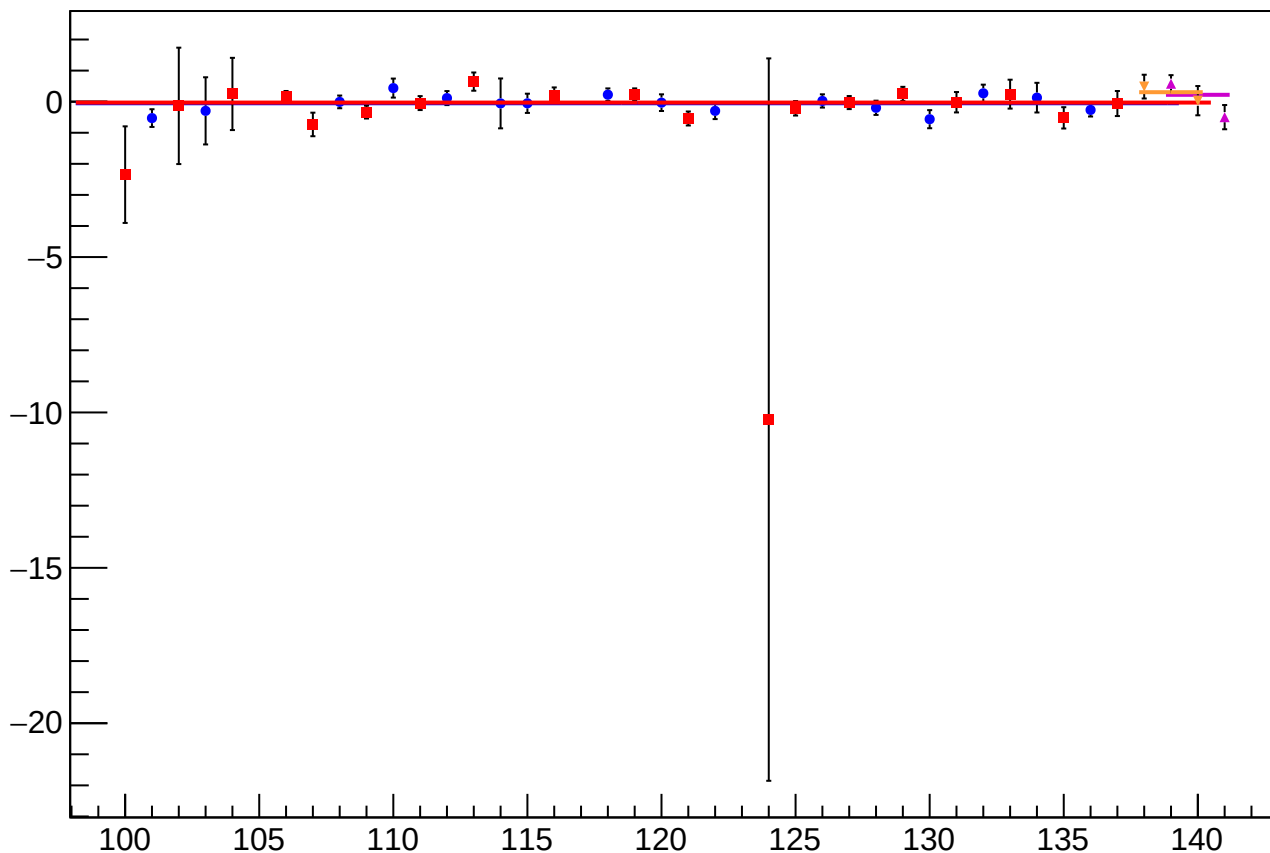
Left In: 283.379+/-0.159 χ^2/NDF : 124385.5/1

+ sign 175.941+/-0.046 χ^2/NDF : 2187017.8/17

All: 168.404+/-0.032 χ^2/NDF : 5311702.5/38

- sign 161.662+/-0.044 χ^2/NDF : 3073898.4/20

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

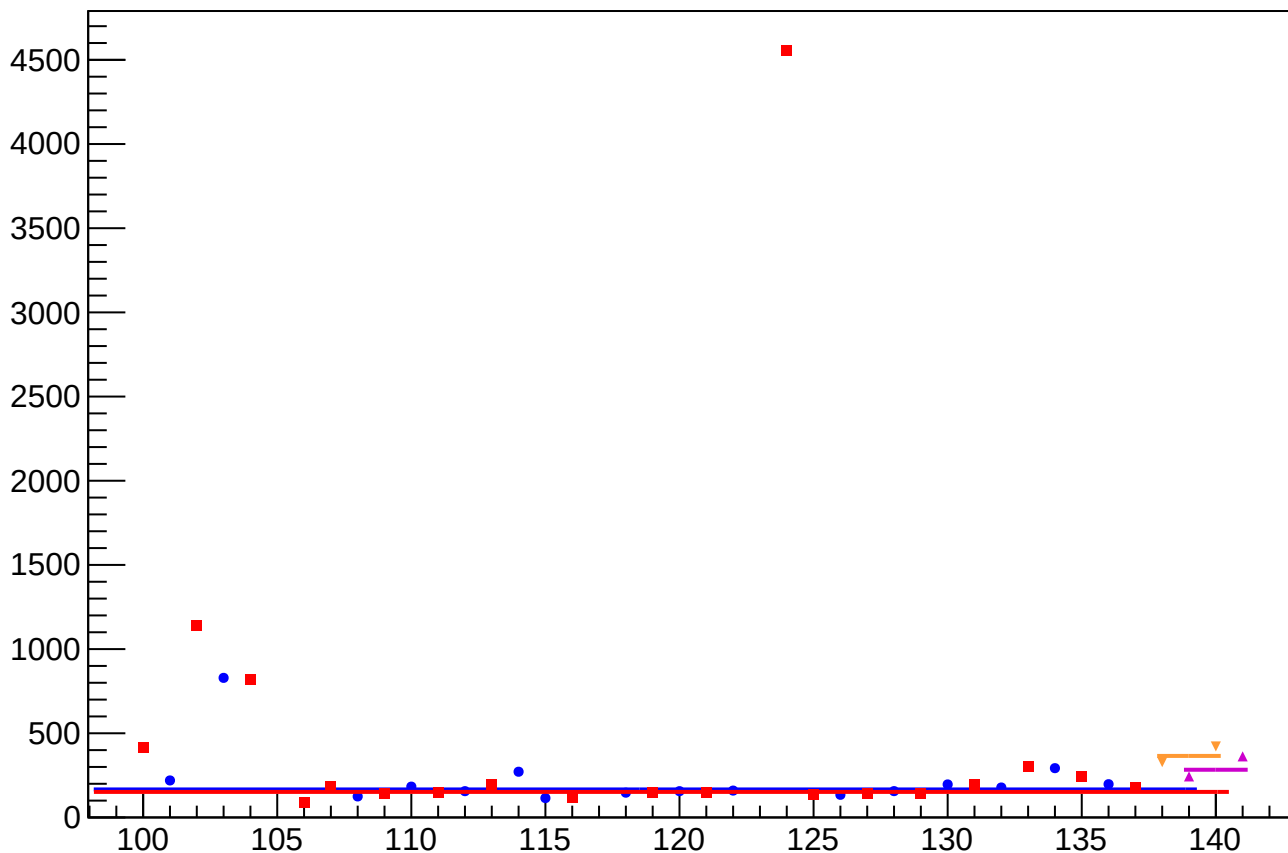
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.034 ± 0.065 χ^2/NDF : 16.8/17

All: -0.021 ± 0.045 χ^2/NDF : 50.6/38

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

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

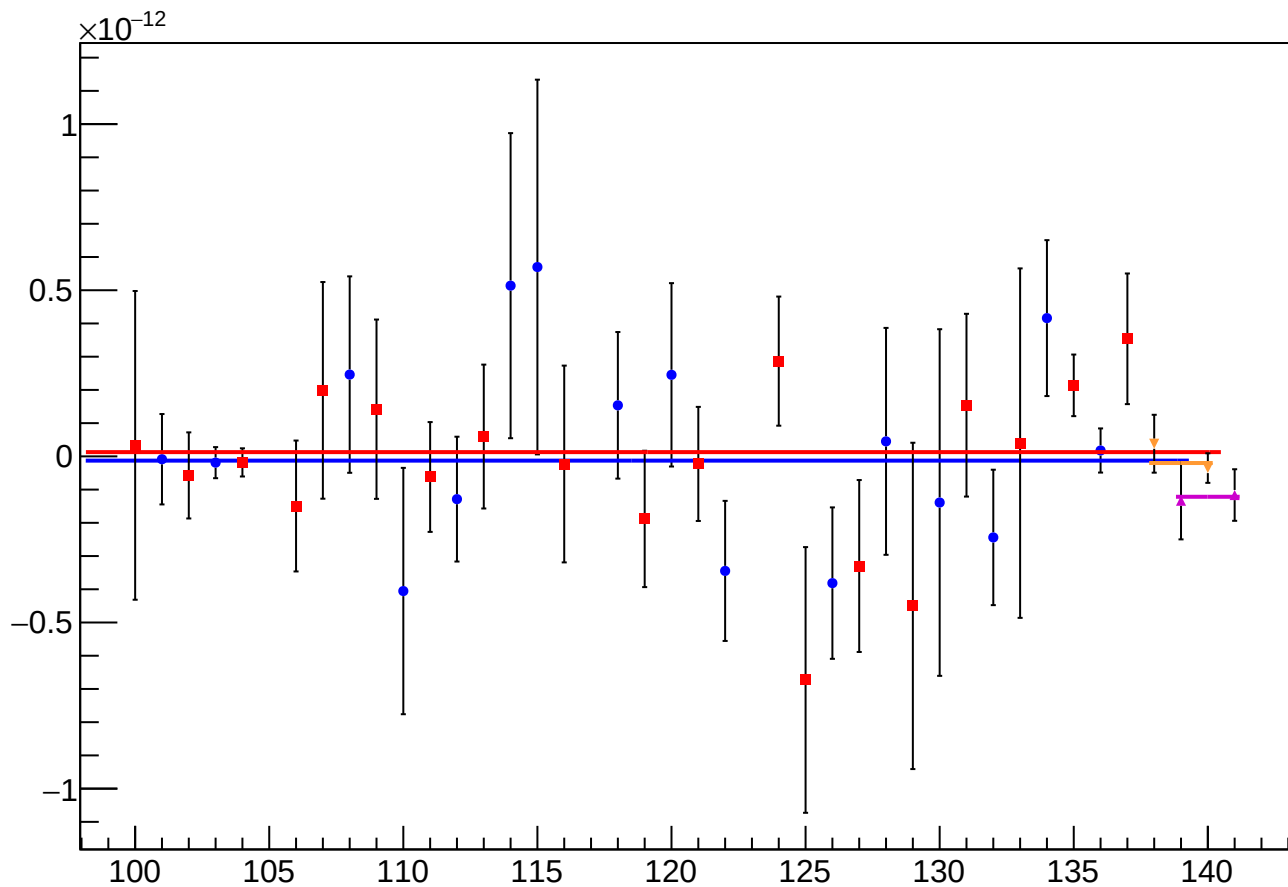
Left In: 283.379+/-0.159 χ^2/NDF : 124385.5/1

+ sign 175.941+/-0.046 χ^2/NDF : 2187017.8/17

All: 168.404+/-0.032 χ^2/NDF : 5311702.5/38

- sign 161.662+/-0.044 χ^2/NDF : 3073898.4/20

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

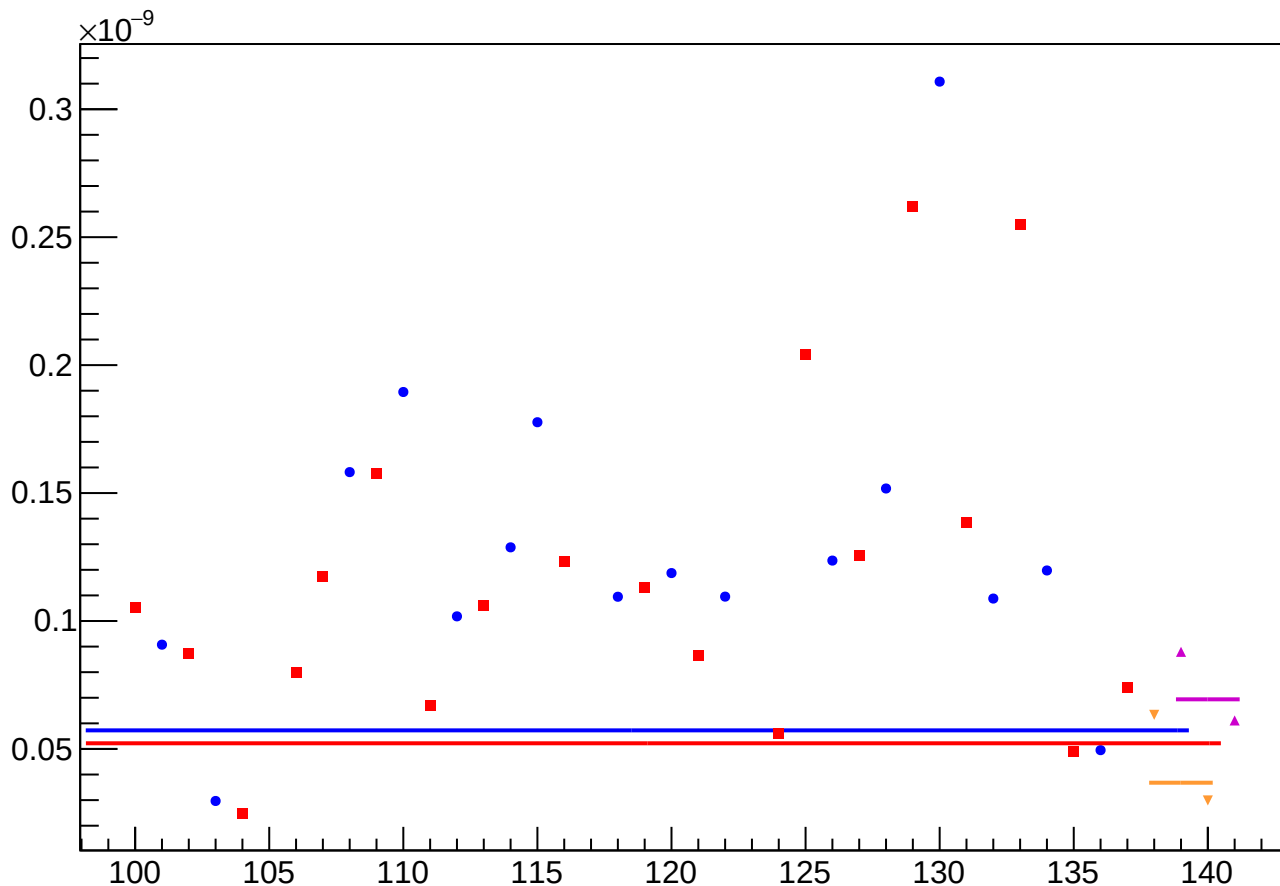
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 16.7/17

All: -0.000+/-0.000 χ^2/NDF : 39.1/38

- sign -0.000+/-0.000 χ^2/NDF : 22.4/20

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

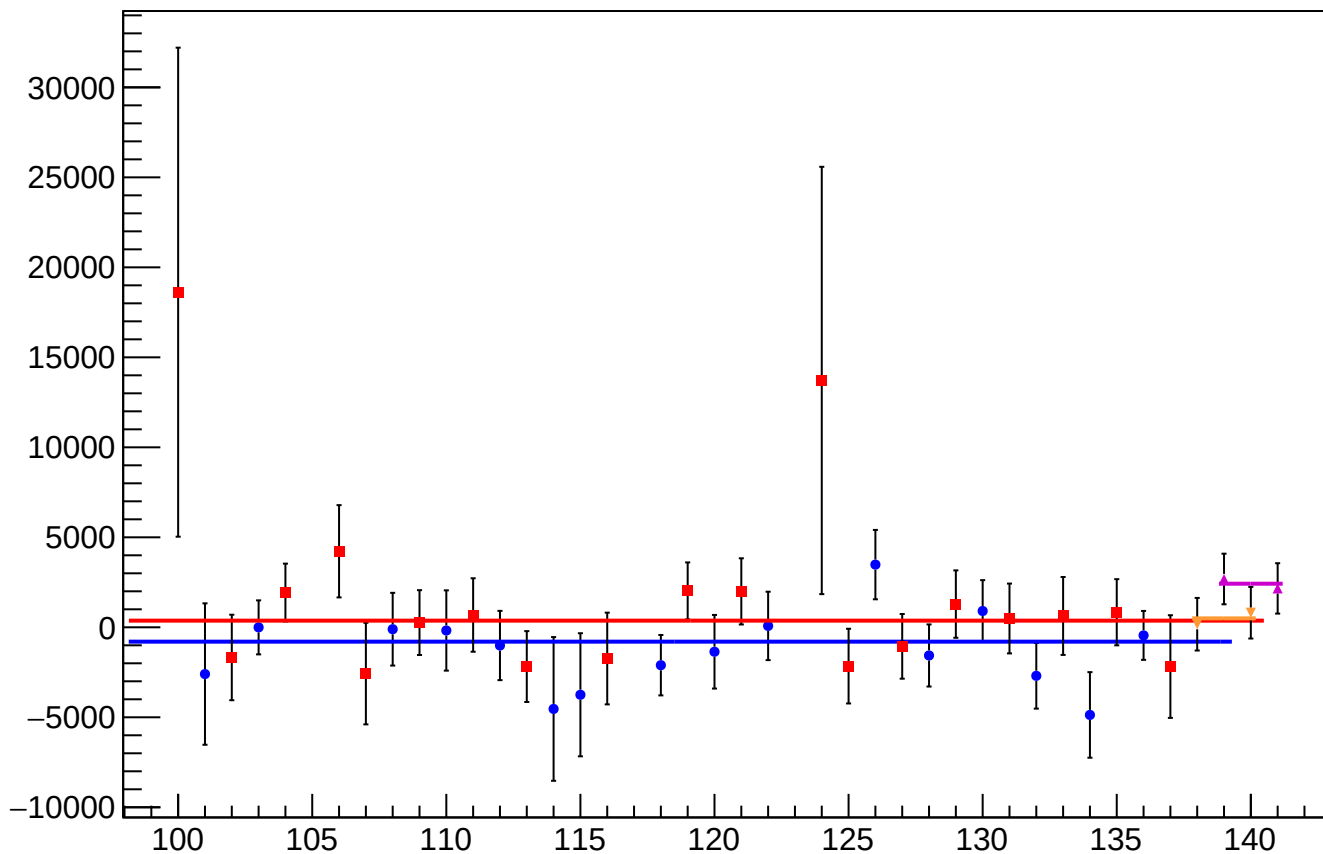
Left In: 0.000+/-0.000 χ^2/NDF :73537.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3532101.1/17

All: 0.000+/-0.000 χ^2/NDF : 7068214.5/38

- sign 0.000+/-0.000 χ^2/NDF : 3475715.3/20

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285 ± 487.453 χ^2/NDF : 13.4/15

Left Out: 496.407 ± 1023.076 χ^2/NDF : 0.1/1

Right Out: 370.010 ± 485.826 χ^2/NDF : 15.6/18

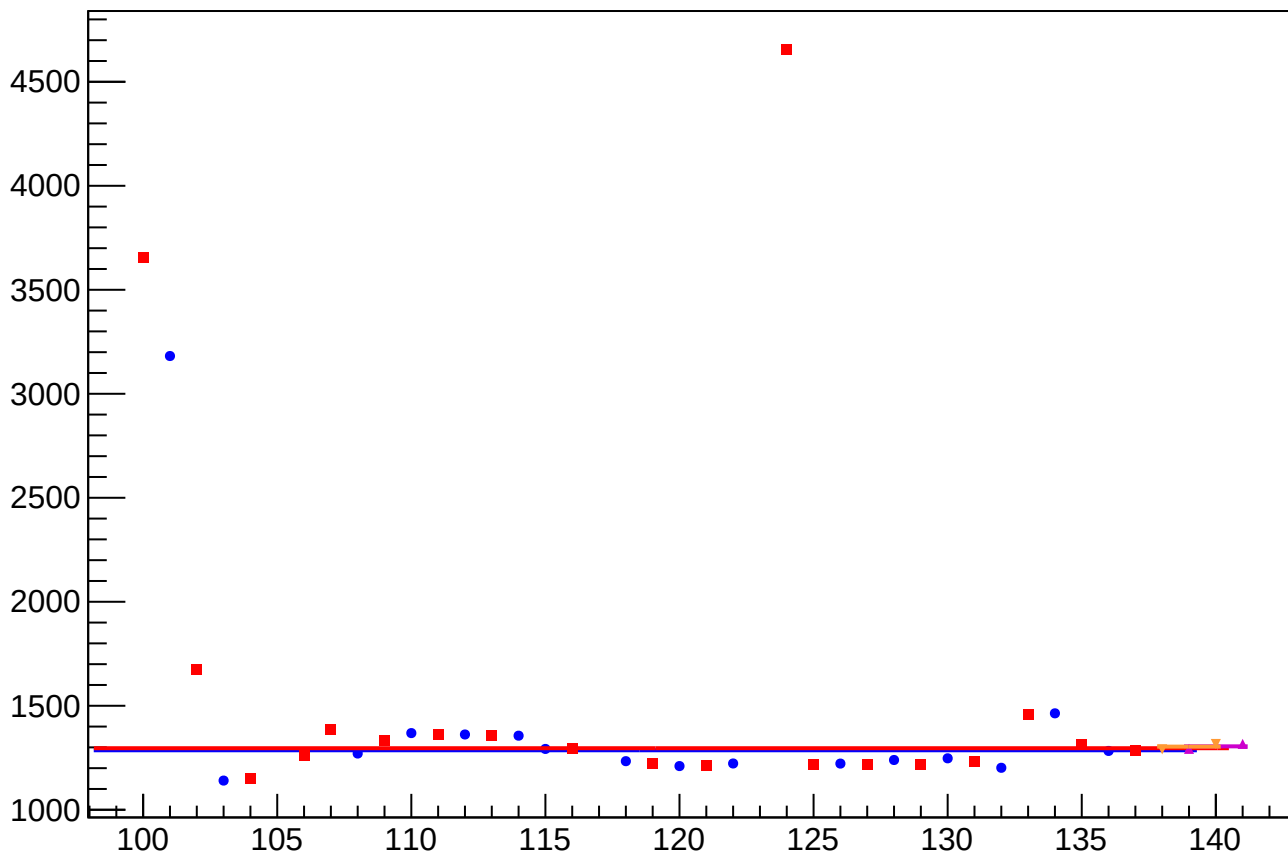
Left In: 2421.580 ± 991.779 χ^2/NDF : 0.1/1

+ sign -557.936 ± 440.057 χ^2/NDF : 14.8/17

All: 110.239 ± 309.827 χ^2/NDF : 38.5/38

- sign 767.029 ± 436.292 χ^2/NDF : 19.1/20

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF :317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF : 328069.9/18

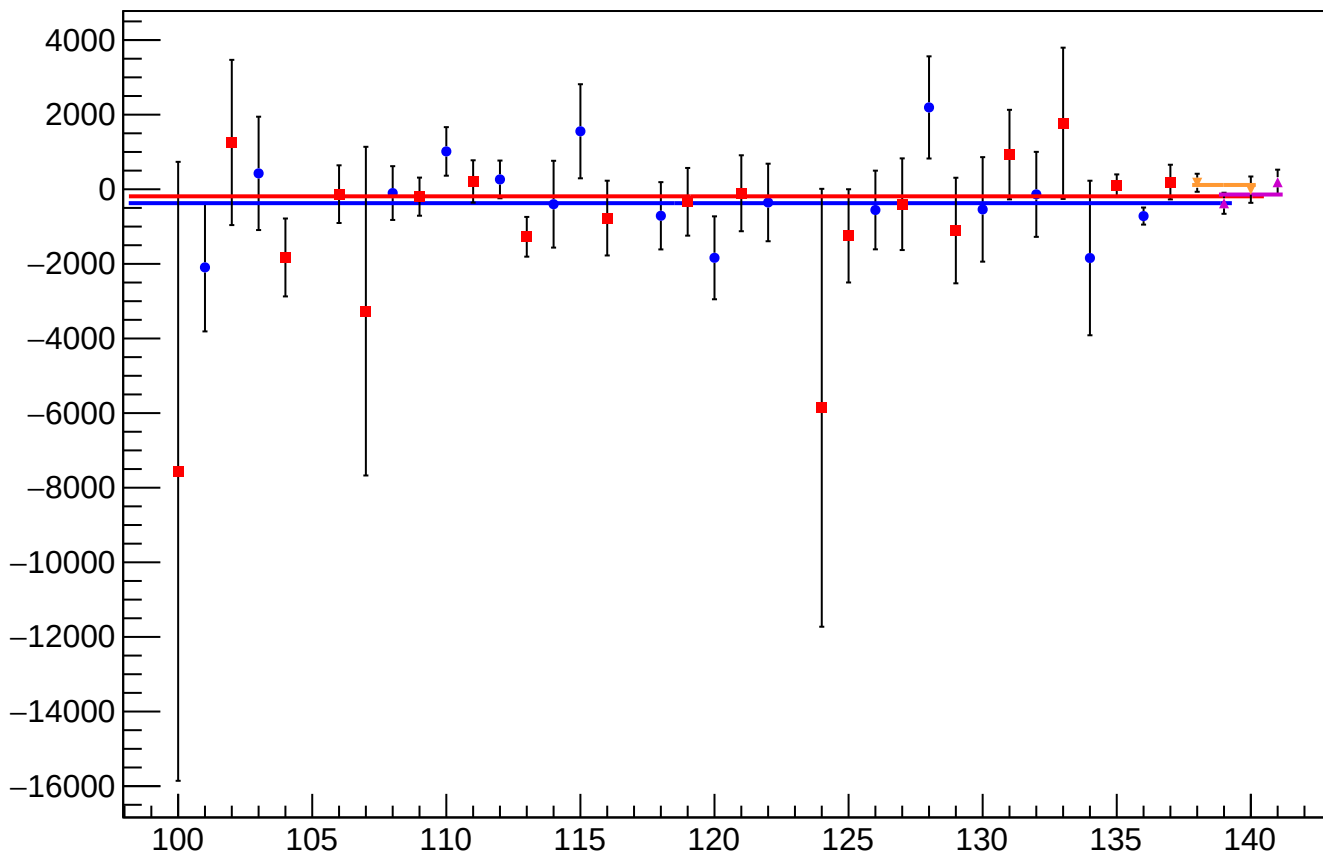
Left In: 1304.917+/-0.701 χ^2/NDF :288.4/1

+ sign 1289.334+/-0.311 χ^2/NDF : 518920.9/17

All: 1293.543+/-0.219 χ^2/NDF : 847774.0/38

- sign 1297.679+/-0.309 χ^2/NDF : 328490.4/20

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

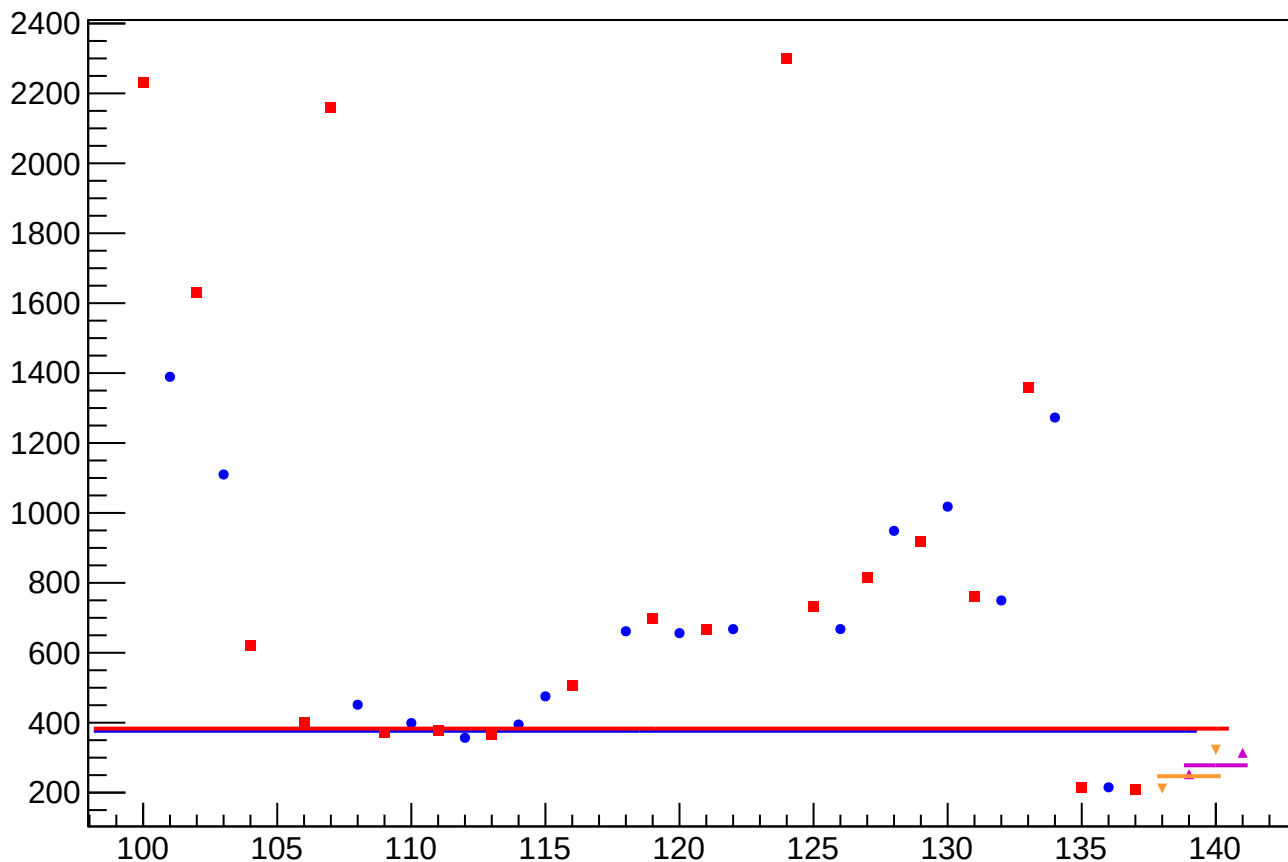
Left In: -140.955 ± 215.928 χ^2/NDF : 1.7/1

+ sign -169.444 ± 128.541 χ^2/NDF : 21.8/17

All: -170.019 ± 92.551 χ^2/NDF : 38.2/38

- sign -170.638 ± 133.365 χ^2/NDF : 16.3/20

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF : 4190194.7/15

Left Out: 246.956+/-0.141 χ^2/NDF :135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

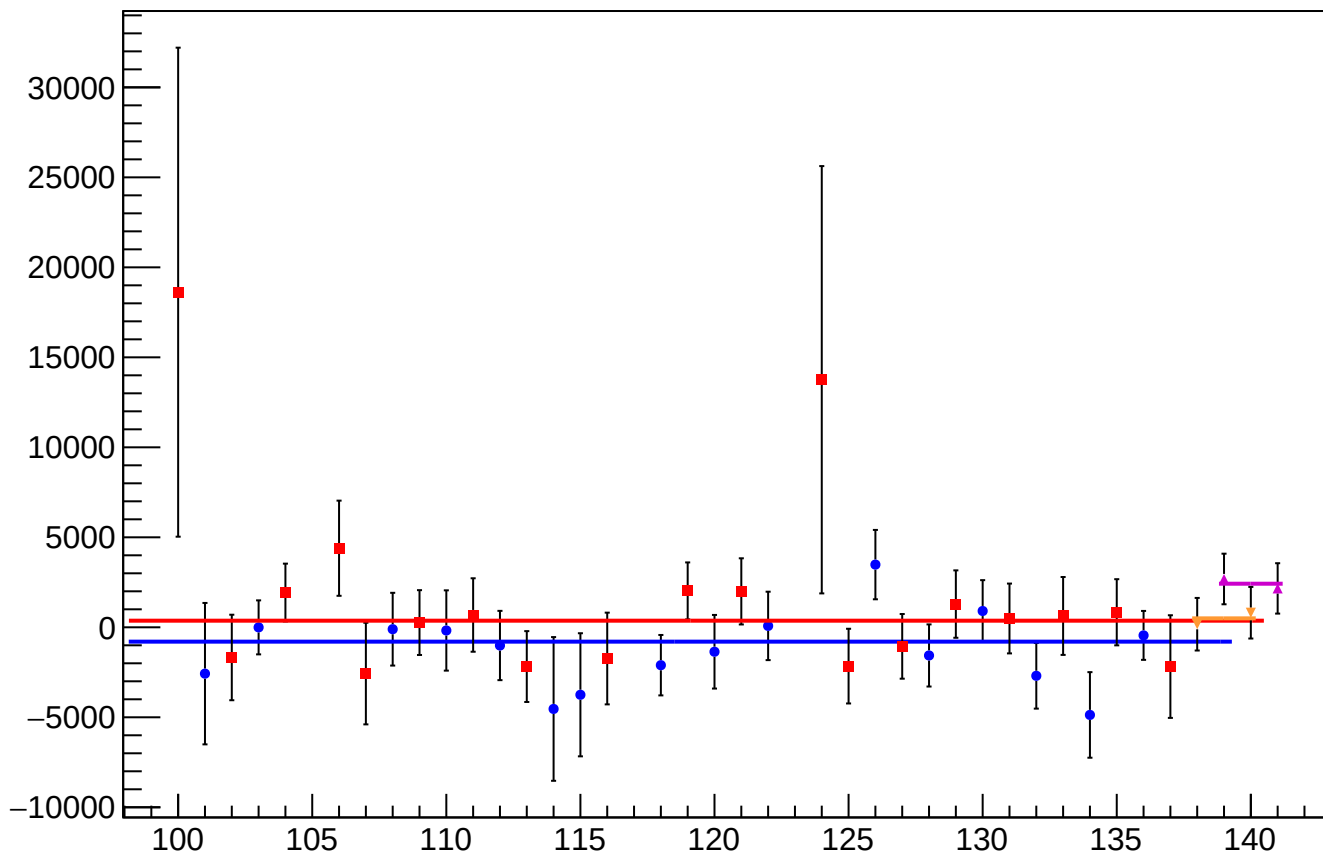
Left In: 278.092+/-0.153 χ^2/NDF :39183.4/1

+ sign 322.839+/-0.091 χ^2/NDF : 4821719.5/17

All: 332.561+/-0.065 χ^2/NDF : 9231195.6/38

- sign 343.026+/-0.094 χ^2/NDF : 4385720.2/20

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF : 13.4/15

Left Out: 496.446+/-1023.076 χ^2/NDF : 0.1/1

Right Out: 367.476+/-486.348 χ^2/NDF : 15.7/18

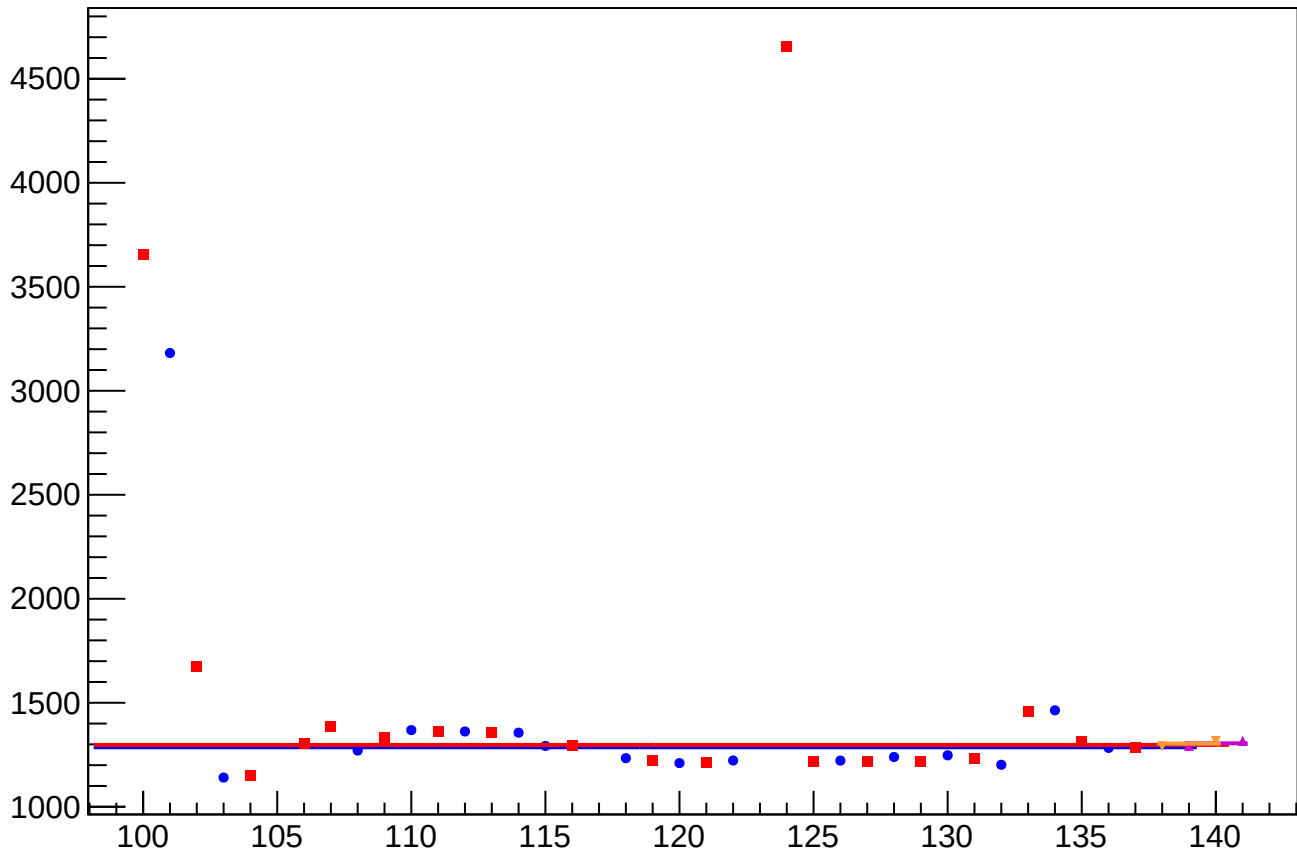
Left In: 2421.688+/-991.779 χ^2/NDF : 0.1/1

+ sign -557.601+/-440.057 χ^2/NDF : 14.8/17

All: 109.159+/-309.963 χ^2/NDF : 38.6/38

- sign 765.697+/-436.671 χ^2/NDF : 19.2/20

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF :317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF : 327741.7/18

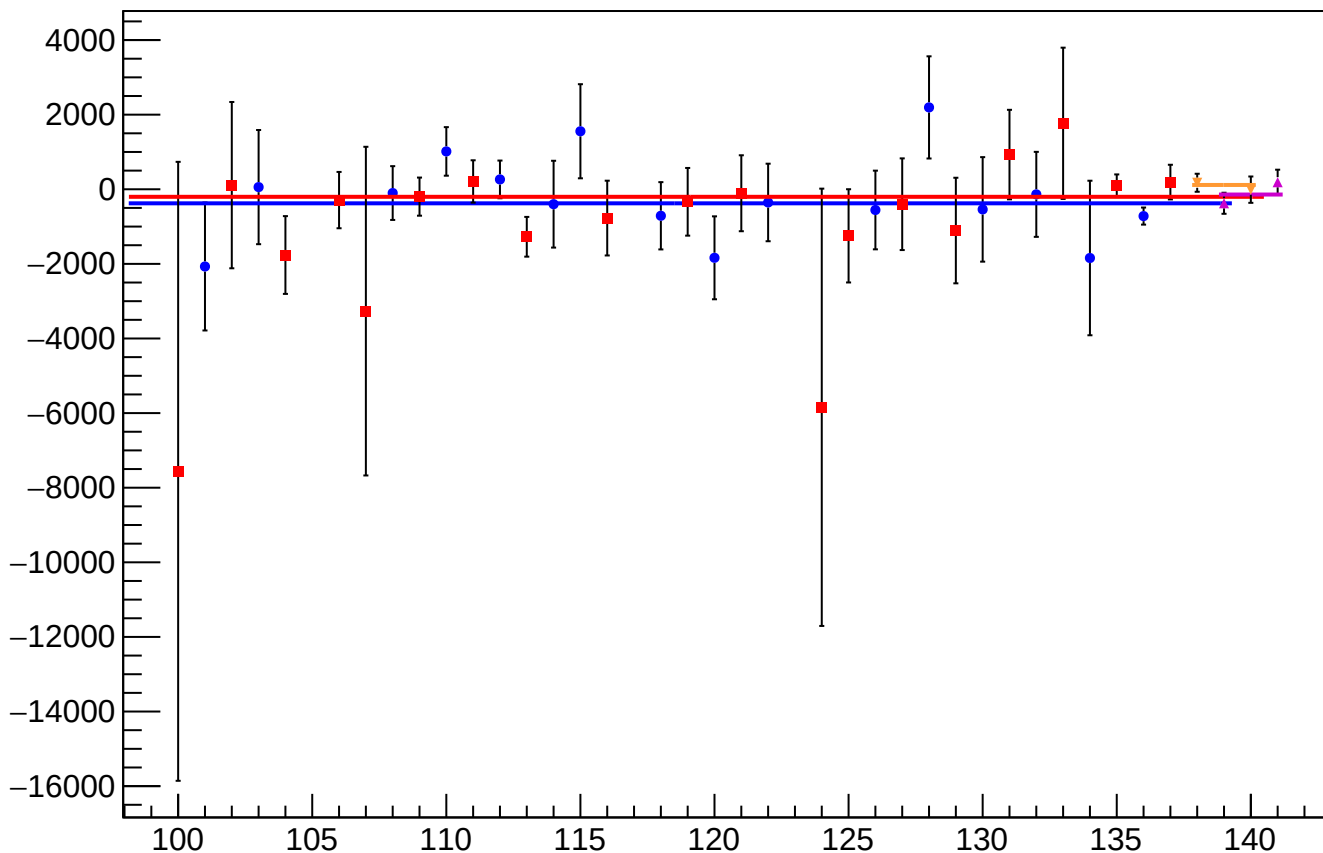
Left In: 1304.917+/-0.701 χ^2/NDF :288.4/1

+ sign 1289.334+/-0.311 χ^2/NDF : 518922.3/17

All: 1294.130+/-0.219 χ^2/NDF : 847516.7/38

- sign 1298.852+/-0.309 χ^2/NDF : 328122.9/20

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

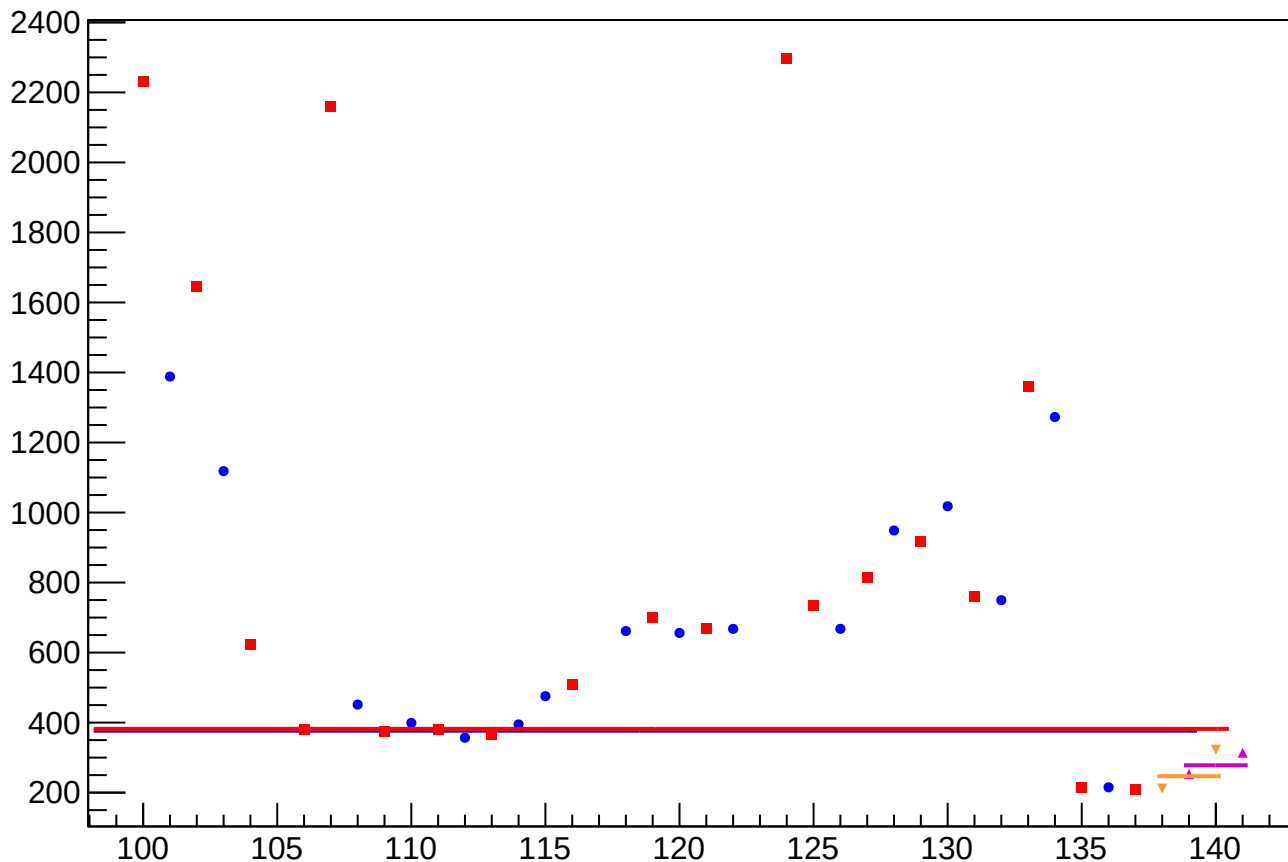
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -175.319 ± 92.522 χ^2/NDF : 37.4/38

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

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

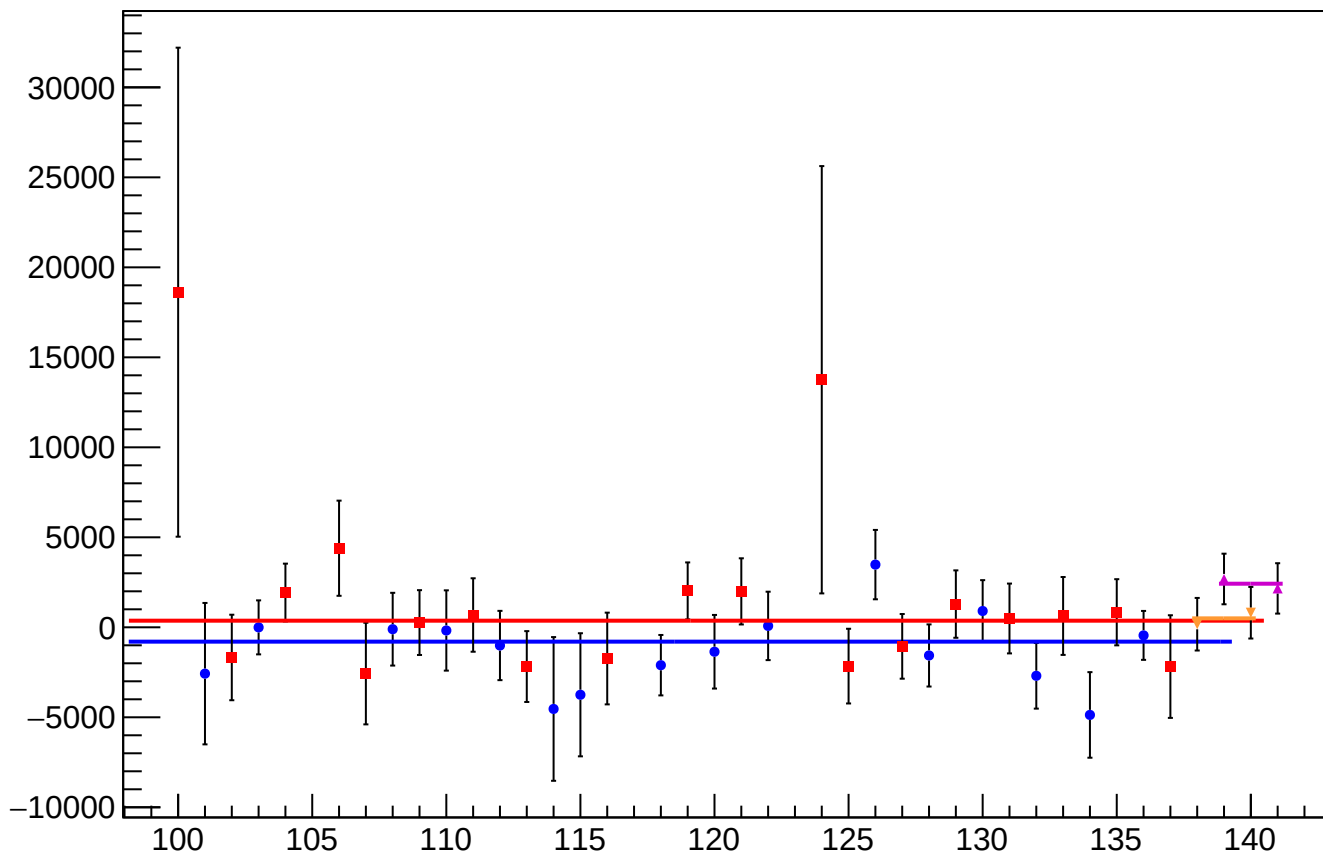
Left In: 278.092+/-0.153 χ^2/NDF :39169.8/1

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 332.313+/-0.065 χ^2/NDF : 9233485.2/38

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

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

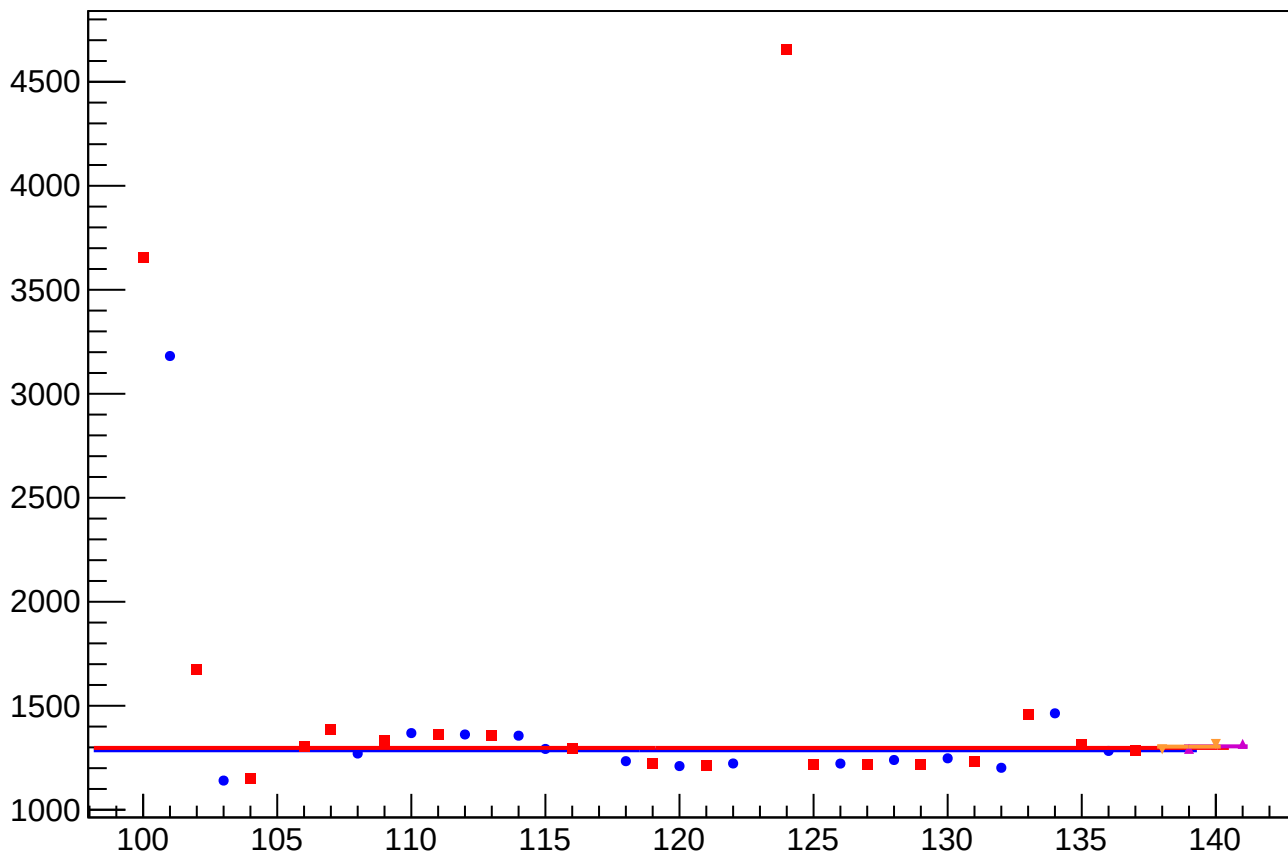
Left In: 2421.688 ± 991.779 χ^2/NDF : 0.1/1

+ sign -557.601 ± 440.057 χ^2/NDF : 14.8/17

All: 109.159 ± 309.963 χ^2/NDF : 38.6/38

- sign 765.697 ± 436.671 χ^2/NDF : 19.2/20

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF : 327741.7/18

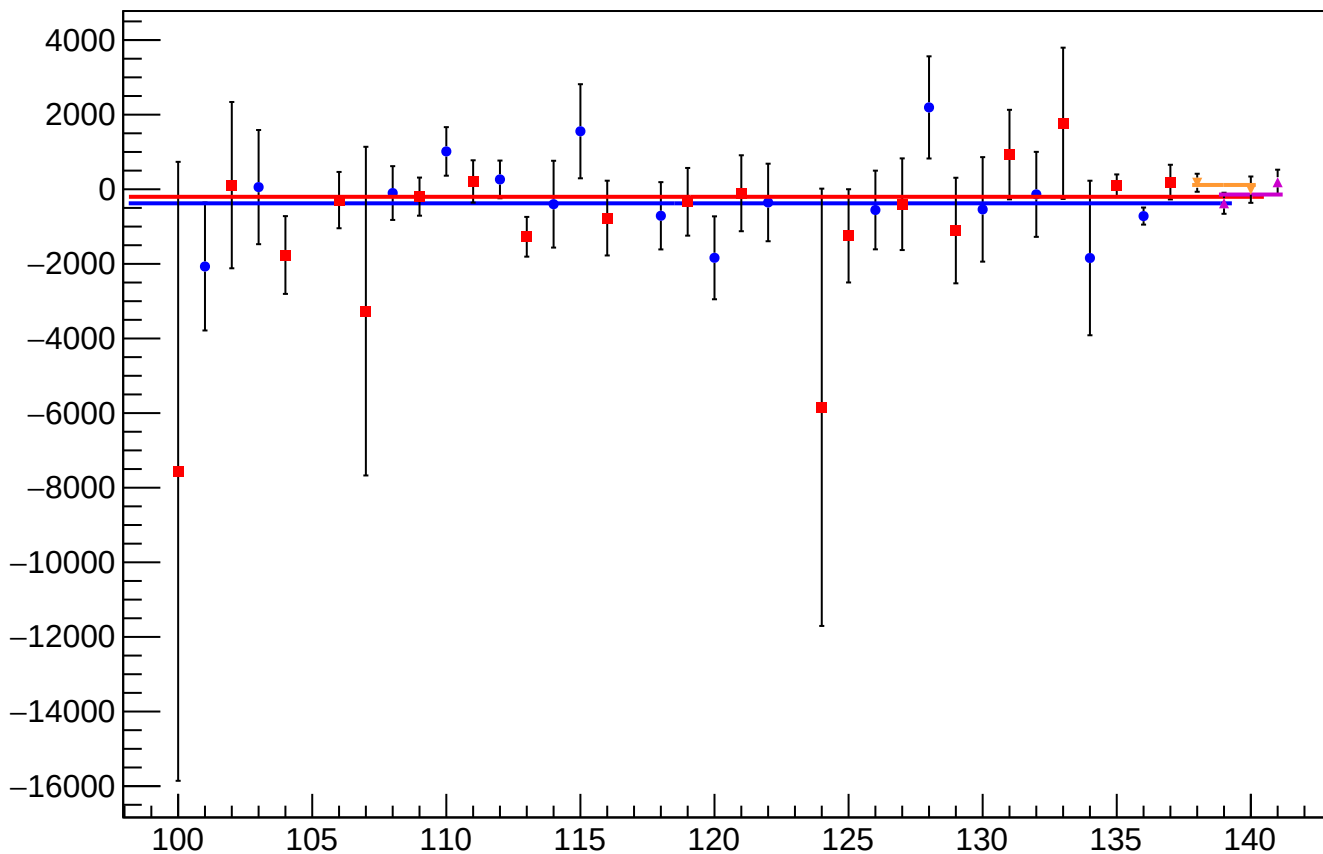
Left In: 1304.917+/-0.701 χ^2/NDF : 288.4/1

+ sign 1289.334+/-0.311 χ^2/NDF : 518922.3/17

All: 1294.130+/-0.219 χ^2/NDF : 847516.7/38

- sign 1298.852+/-0.309 χ^2/NDF : 328122.9/20

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

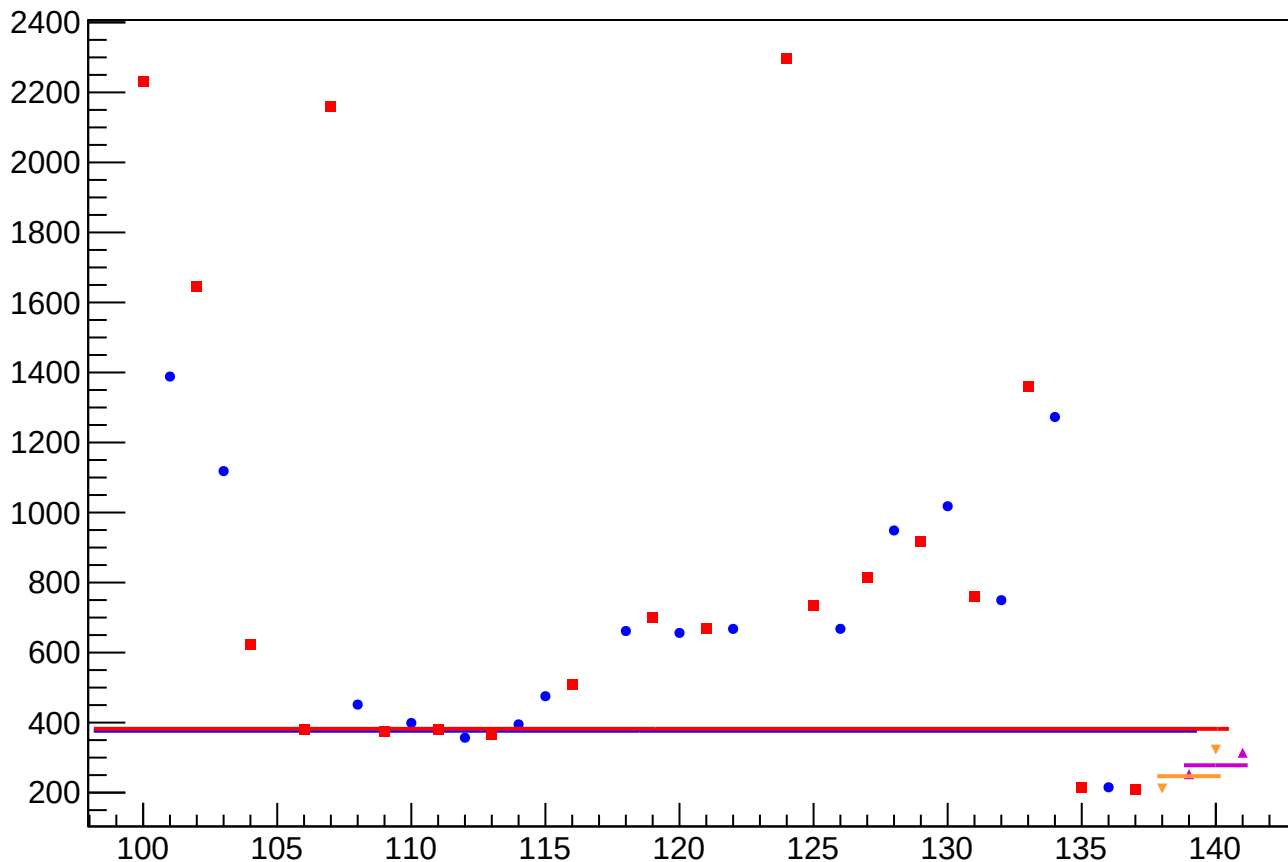
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -175.319 ± 92.522 χ^2/NDF : 37.4/38

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

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

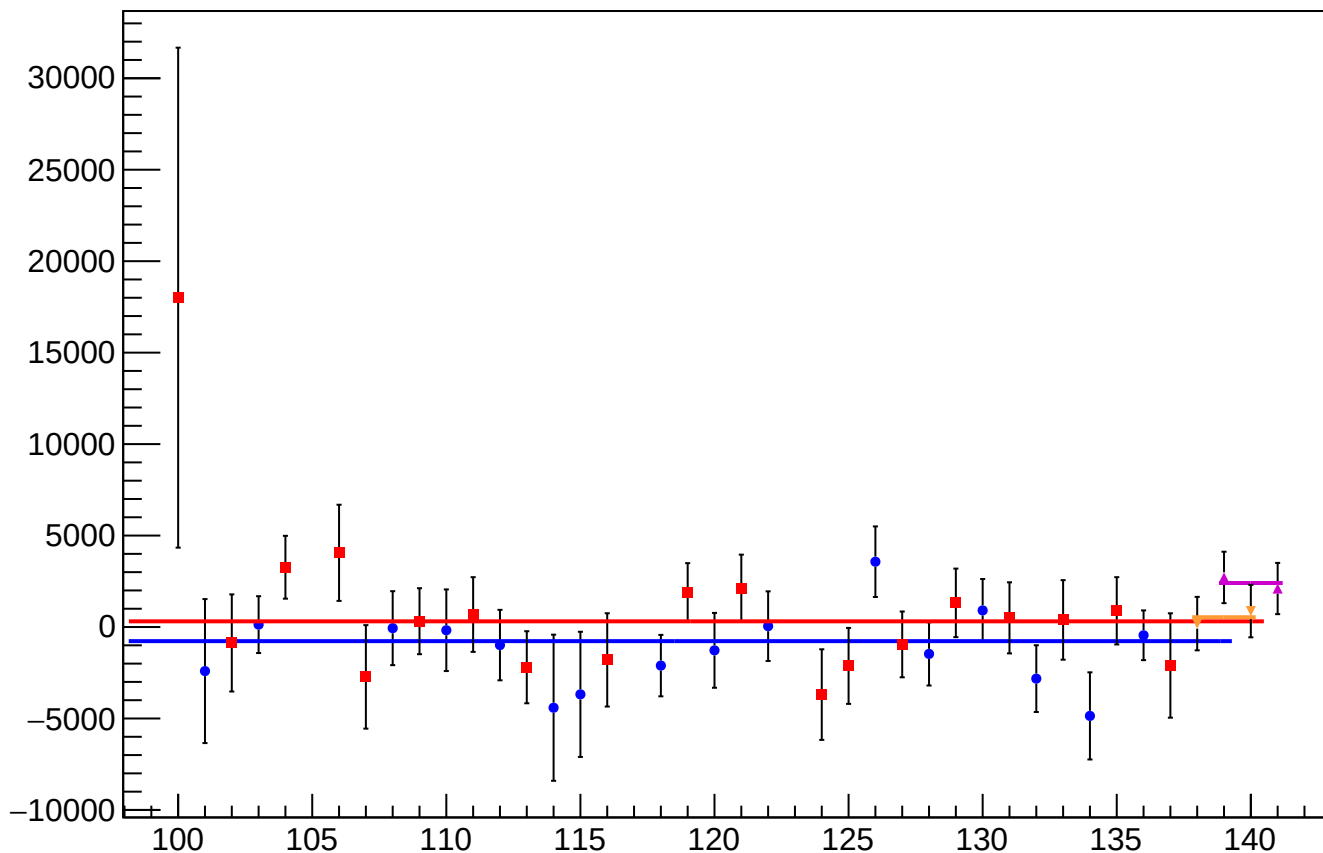
Left In: 278.092+/-0.153 χ^2/NDF :39169.8/1

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 332.313+/-0.065 χ^2/NDF : 9233485.2/38

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499 ± 489.602 χ^2/NDF : 13.6/15

Left Out: 535.661 ± 1023.631 χ^2/NDF : 0.1/1

Right Out: 311.418 ± 482.642 χ^2/NDF : 17.9/18

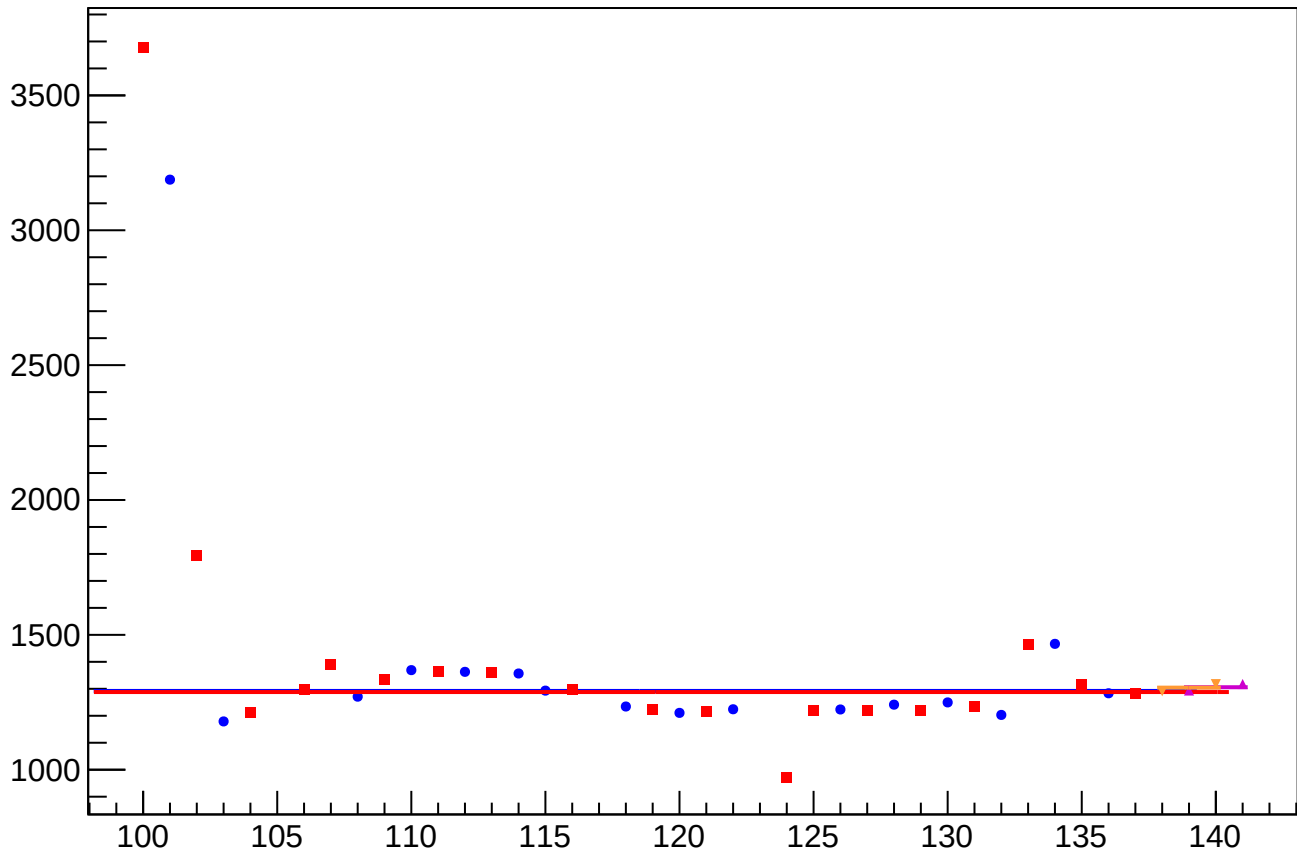
Left In: 2406.569 ± 992.473 χ^2/NDF : 0.1/1

+ sign -528.134 ± 441.680 χ^2/NDF : 15.0/17

All: 102.820 ± 309.579 χ^2/NDF : 40.7/38

- sign 712.135 ± 434.040 χ^2/NDF : 21.6/20

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038 $\pm$ 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

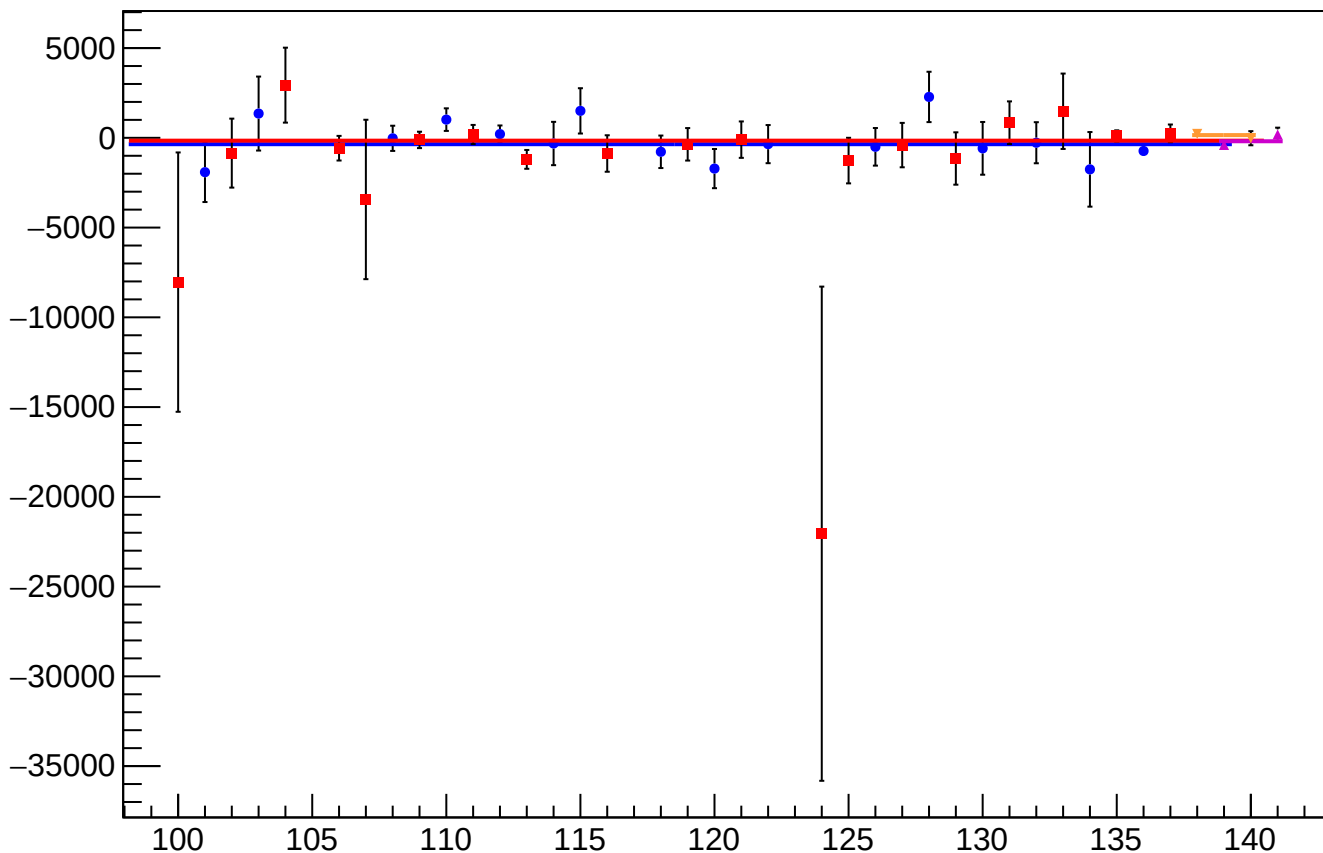
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF:295.2/1

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1292.834 $\pm$ 0.219 χ^2 /NDF: 720041.9/38

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210025.9/20

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

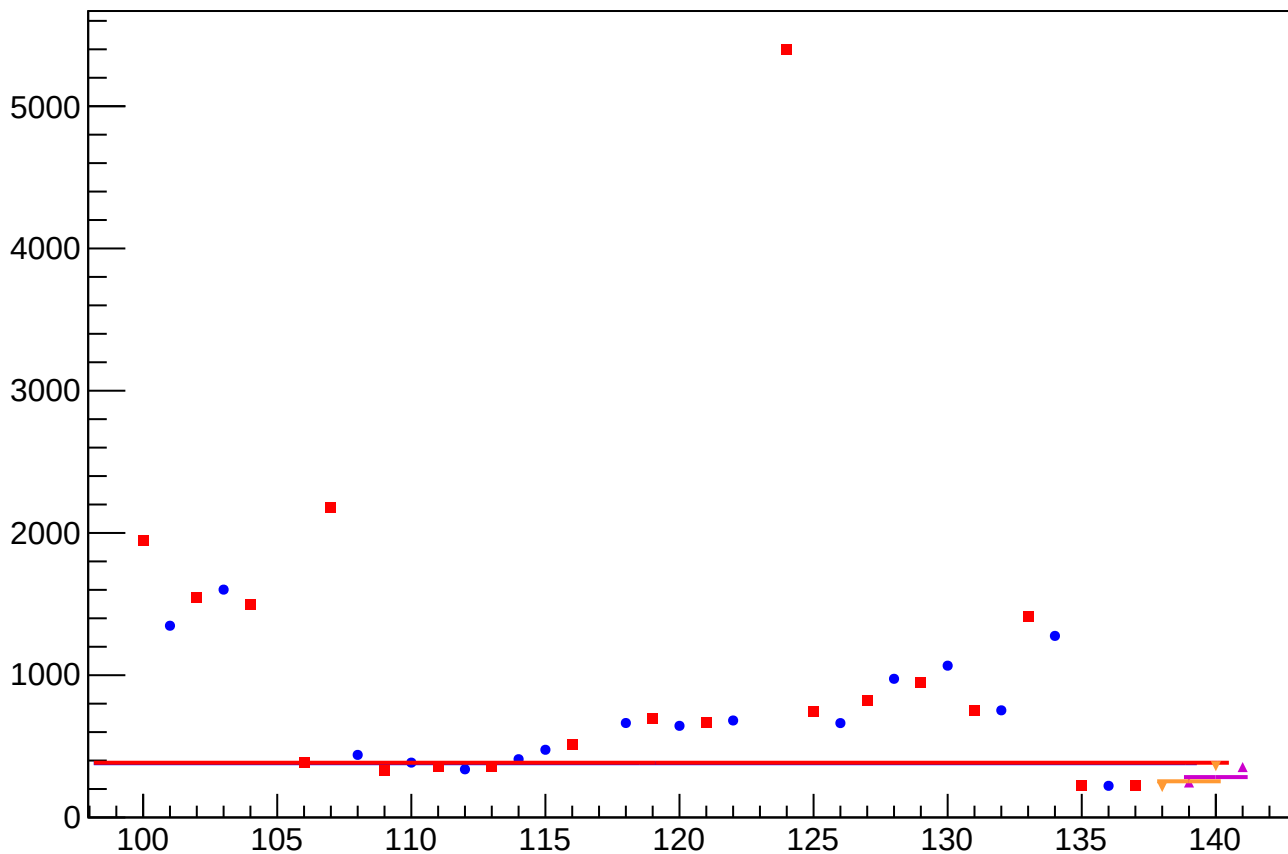
Left In: -191.190+/-223.357 χ^2/NDF : 1.6/1

+ sign -151.241+/-131.401 χ^2/NDF : 22.3/17

All: -160.406+/-94.197 χ^2/NDF : 39.7/38

- sign -170.095+/-135.106 χ^2/NDF : 17.4/20

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

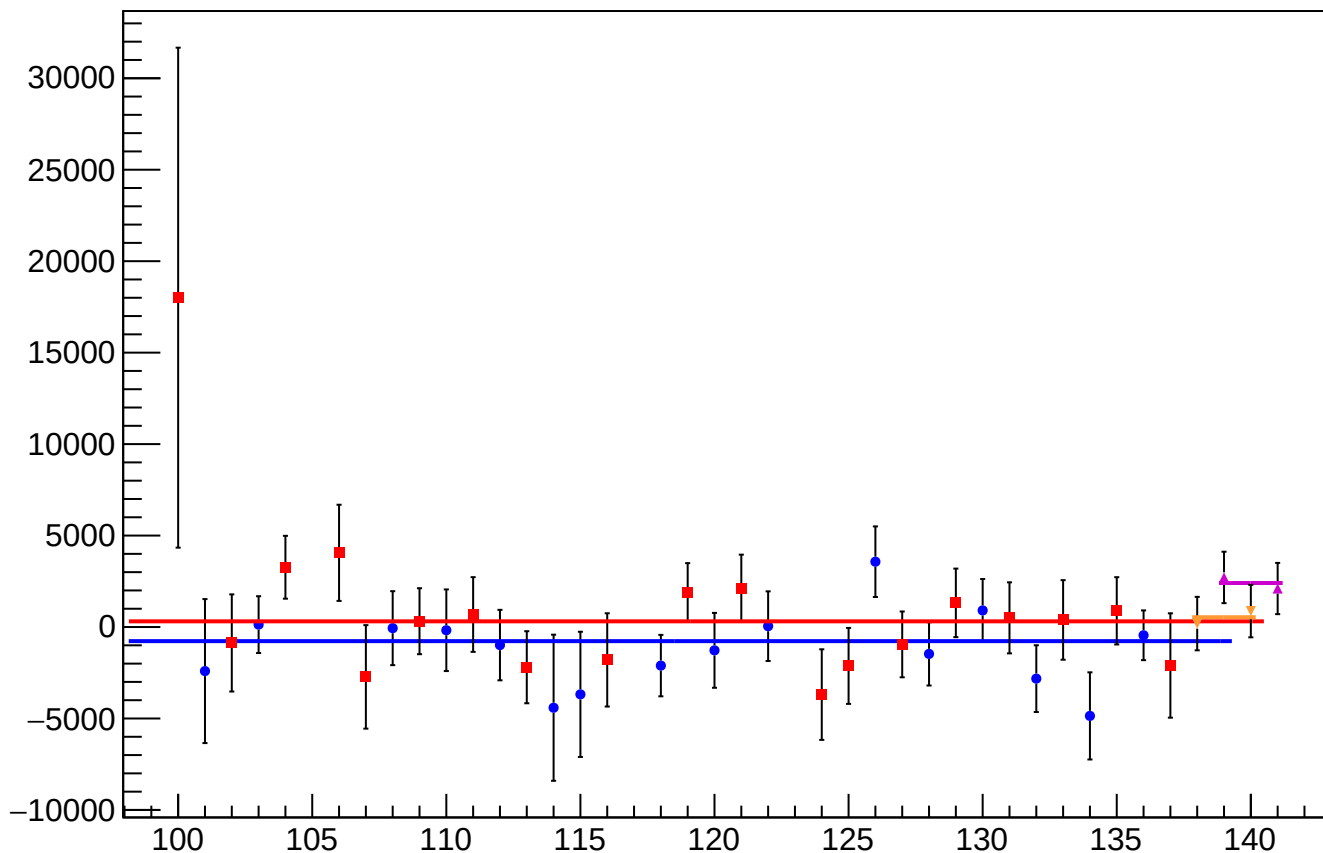
Left In: 283.807+/-0.158 χ^2/NDF : 107020.9/1

+ sign 330.194+/-0.093 χ^2/NDF : 4968493.4/17

All: 338.730+/-0.067 χ^2/NDF : 9911602.2/38

- sign 347.753+/-0.096 χ^2/NDF : 4925749.1/20

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF : 13.6/15

Left Out: 535.669+/-1023.631 χ^2/NDF : 0.1/1

Right Out: 311.419+/-482.642 χ^2/NDF : 17.9/18

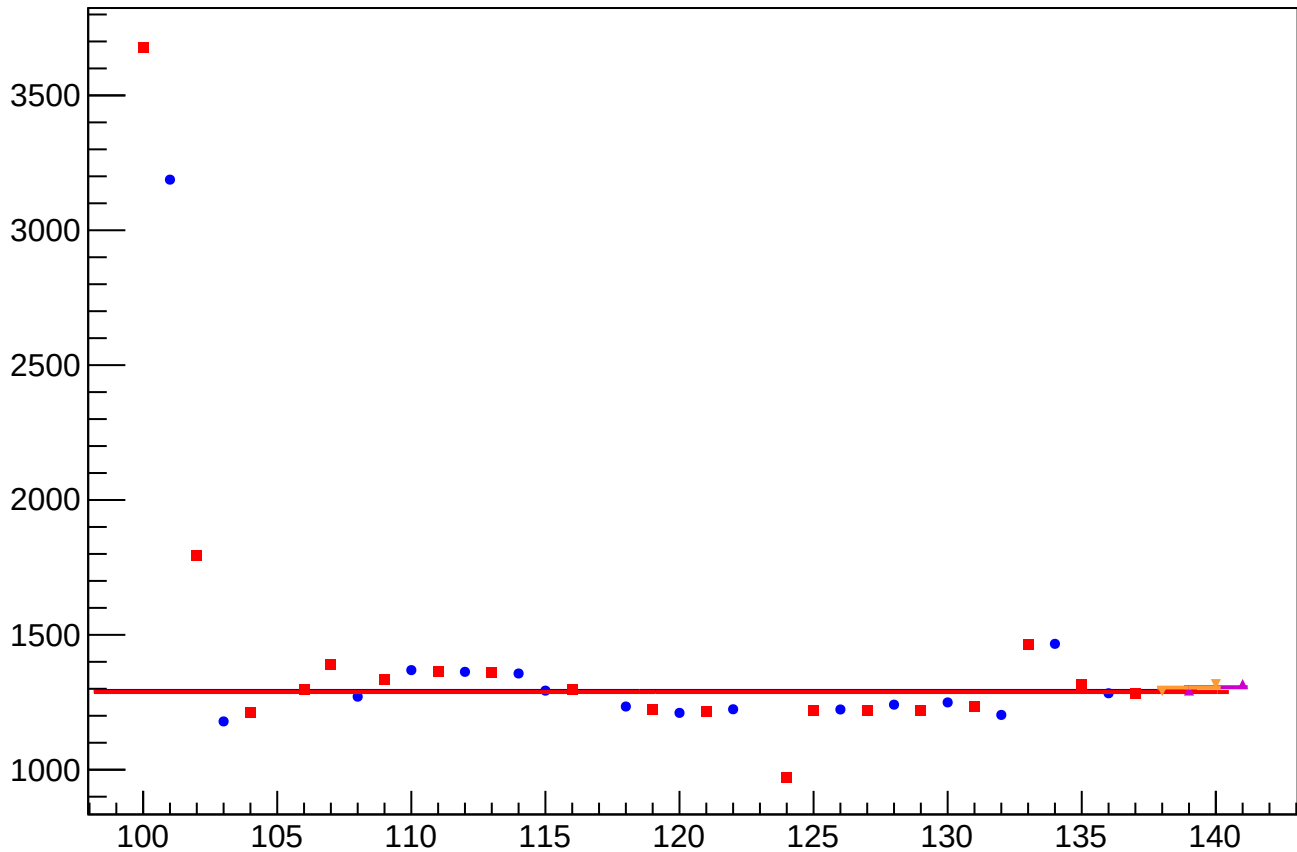
Left In: 2406.560+/-992.473 χ^2/NDF : 0.1/1

+ sign -528.134+/-441.680 χ^2/NDF : 15.0/17

All: 102.820+/-309.579 χ^2/NDF : 40.7/38

- sign 712.135+/-434.040 χ^2/NDF : 21.6/20

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038 $\pm$ 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

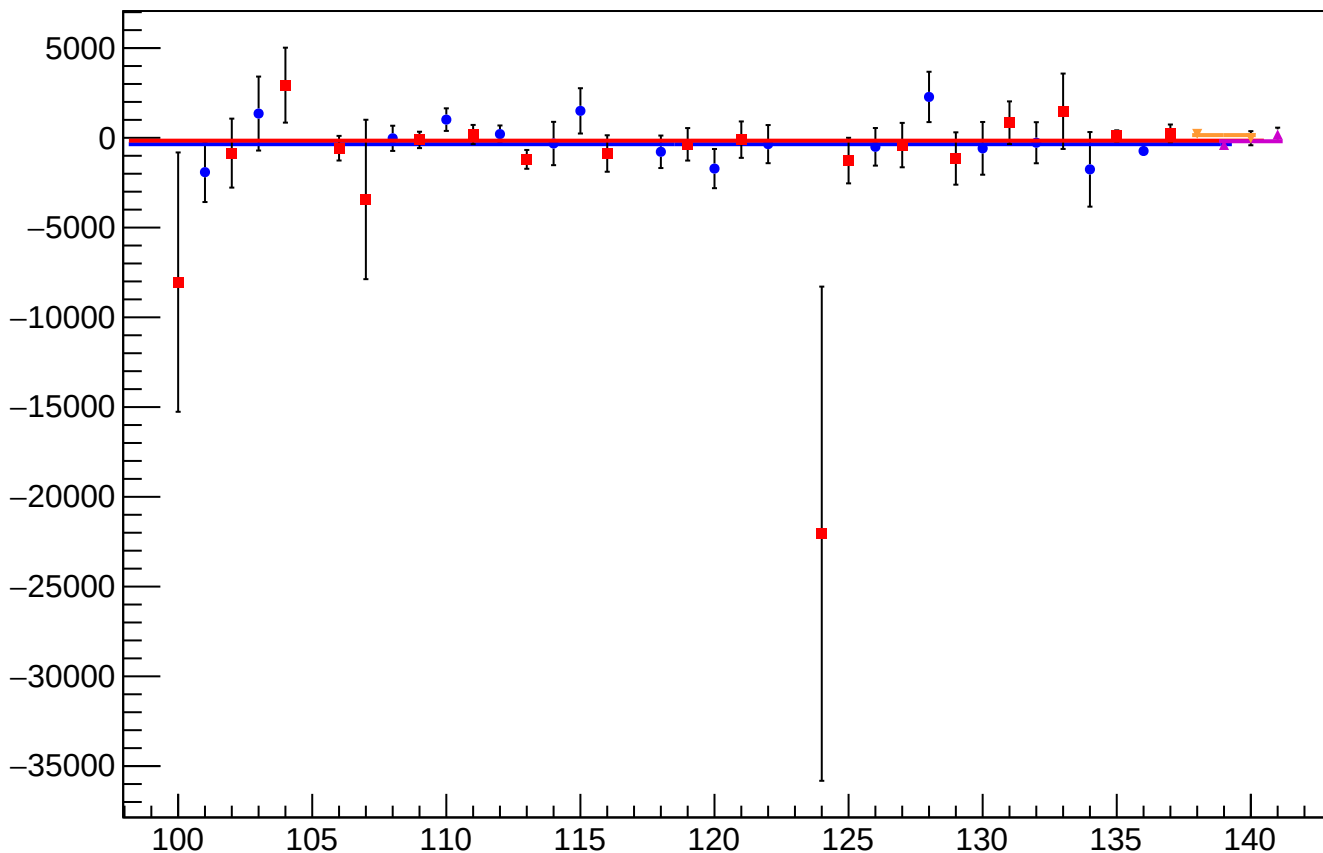
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF:295.2/1

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1292.834 $\pm$ 0.219 χ^2 /NDF: 720042.2/38

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210026.2/20

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

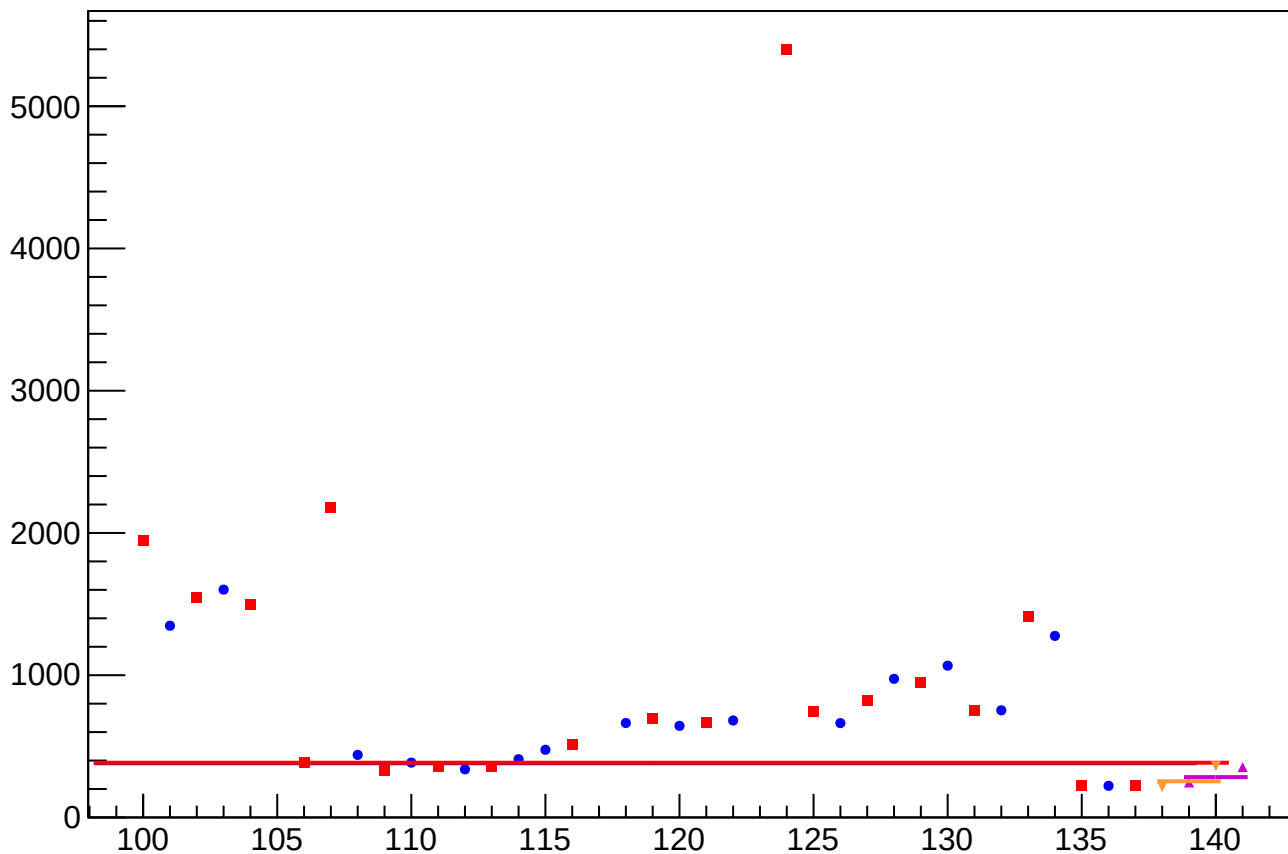
Left In: -191.194+/-223.367 χ^2 /NDF:1.6/1

+ sign -151.246+/-131.405 χ^2 /NDF: 22.3/17

All: -160.411+/-94.200 χ^2 /NDF: 39.7/38

- sign -170.100+/-135.109 χ^2 /NDF: 17.4/20

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 381.359 $\pm$ 0.120 χ^2 /NDF: 4317737.3/15

Left Out: 254.222 $\pm$ 0.146 χ^2 /NDF: 200287.0/1

Right Out: 384.658 $\pm$ 0.120 χ^2 /NDF: 4560068.3/18

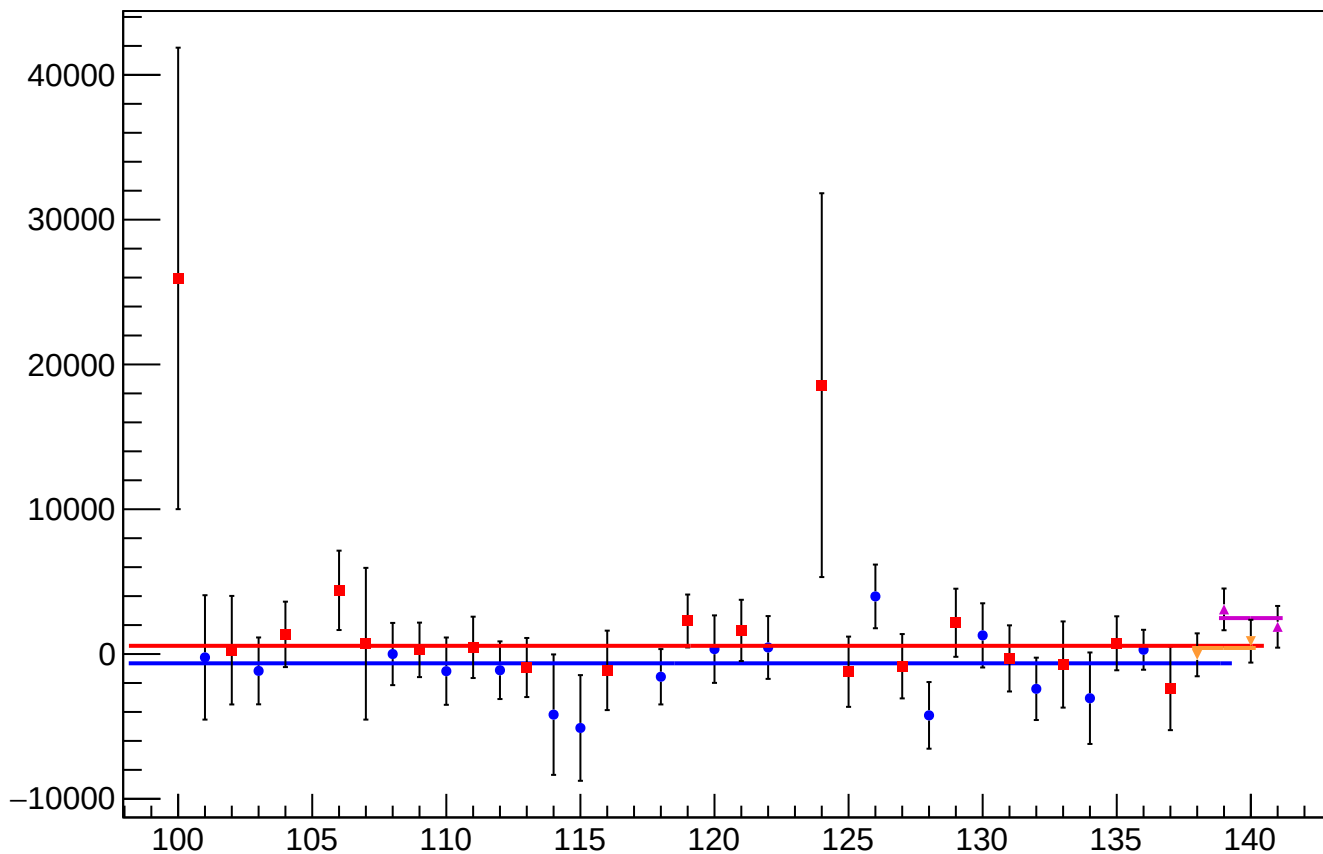
Left In: 283.821 $\pm$ 0.158 χ^2 /NDF: 106991.7/1

+ sign 330.208 $\pm$ 0.093 χ^2 /NDF: 4968216.2/17

All: 338.742 $\pm$ 0.067 χ^2 /NDF: 9911103.1/38

- sign 347.765 $\pm$ 0.096 χ^2 /NDF: 4925532.0/20

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF : 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF : 0.2/1

Right Out: 567.254+/-566.774 χ^2/NDF : 11.3/18

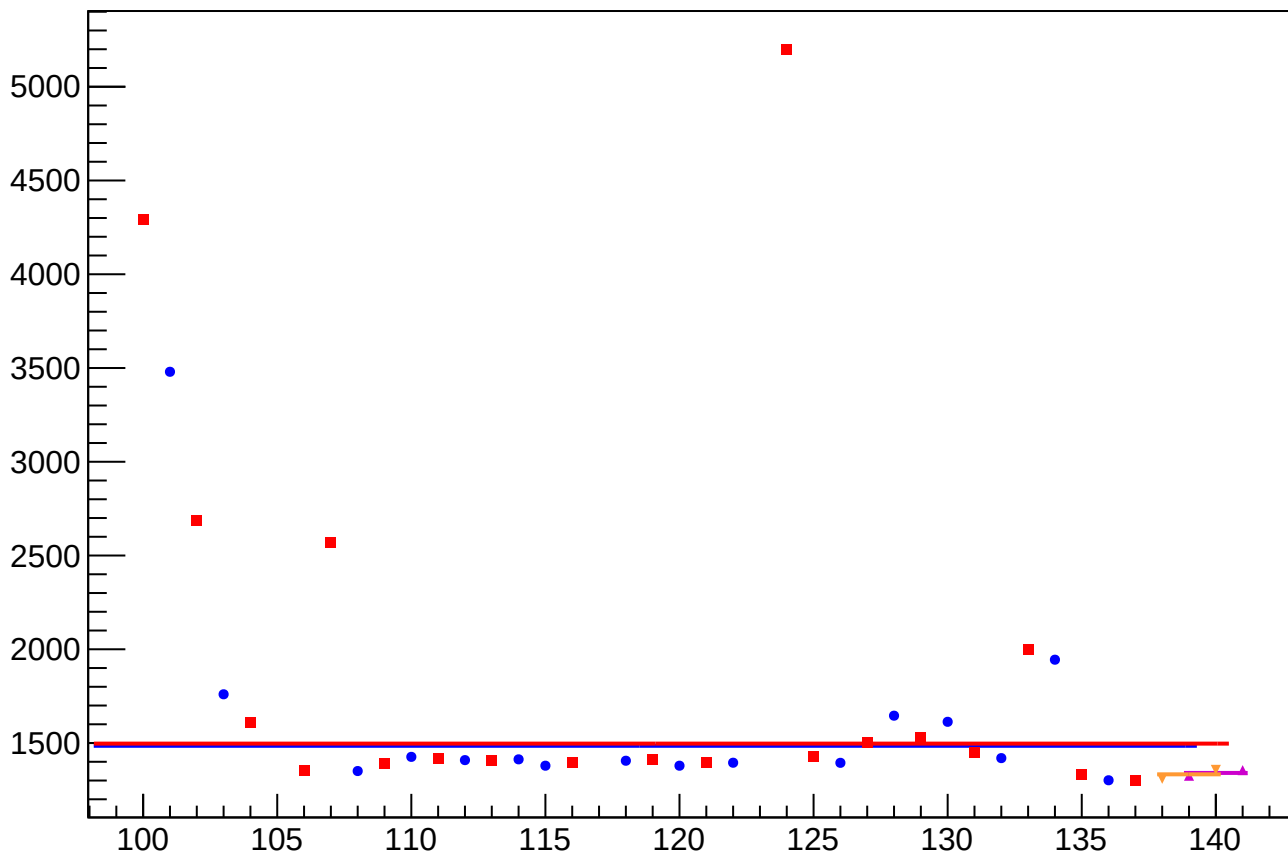
Left In: 2481.984+/-1018.961 χ^2/NDF : 0.3/1

+ sign -402.275+/-496.718 χ^2/NDF : 13.5/17

All: 310.721+/-350.733 χ^2/NDF : 31.9/38

- sign 1019.677+/-495.308 χ^2/NDF : 14.4/20

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF :1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

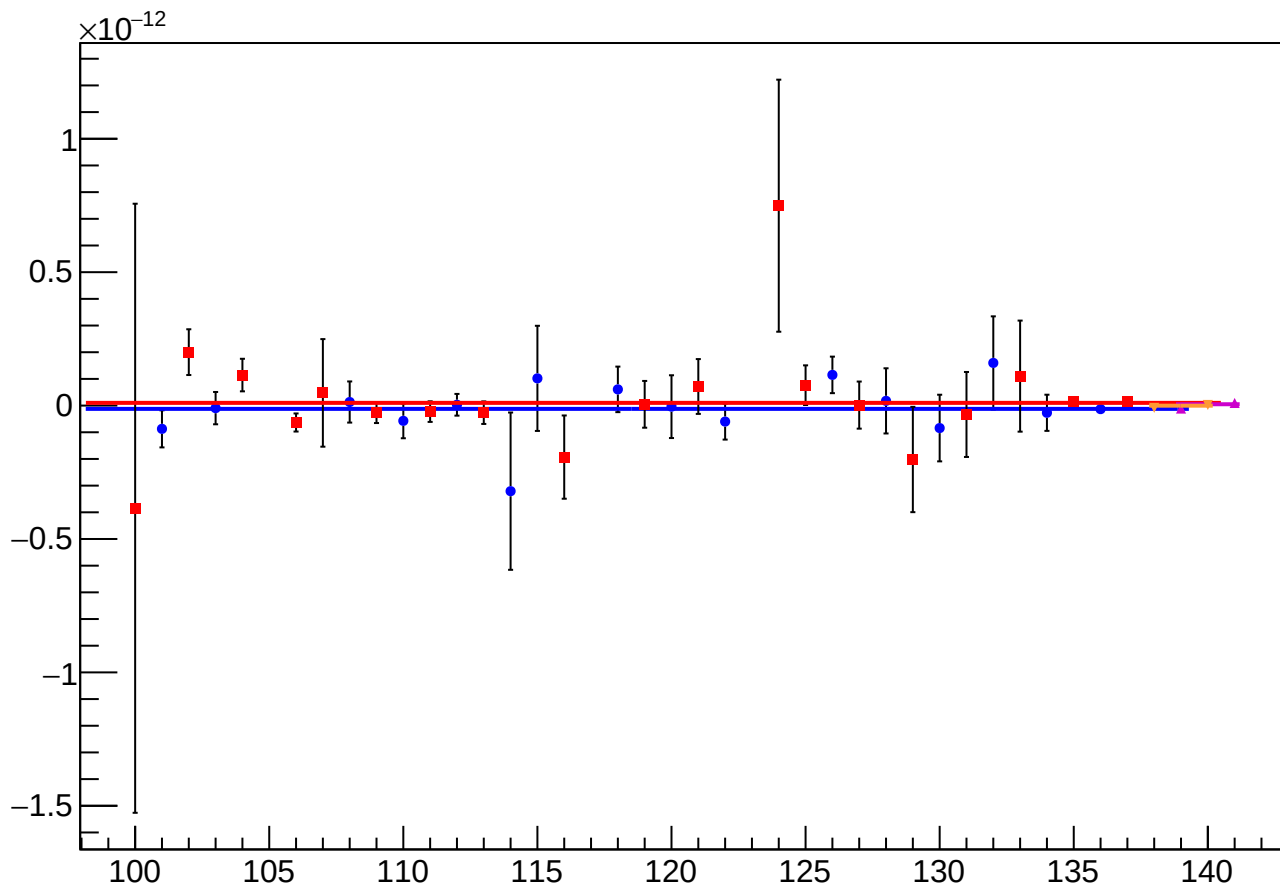
Left In: 1340.532+/-0.721 χ^2/NDF :427.7/1

+ sign 1451.046+/-0.351 χ^2/NDF : 618330.6/17

All: 1455.499+/-0.248 χ^2/NDF : 1278325.7/38

- sign 1459.926+/-0.350 χ^2/NDF : 659674.6/20

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF : 1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 22.3/18

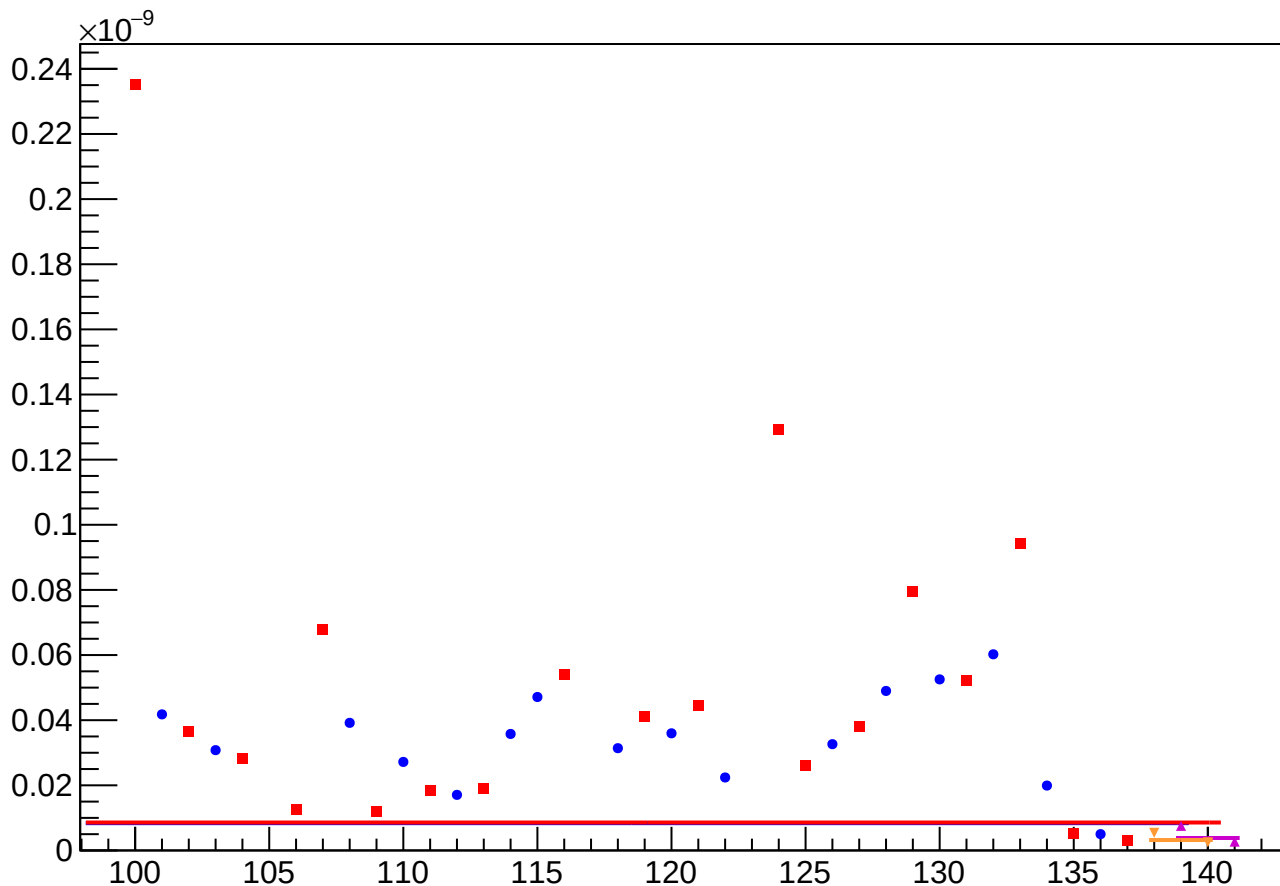
Left In: 0.000+/-0.000 χ^2/NDF : 2.9/1

+ sign -0.000+/-0.000 χ^2/NDF : 12.6/17

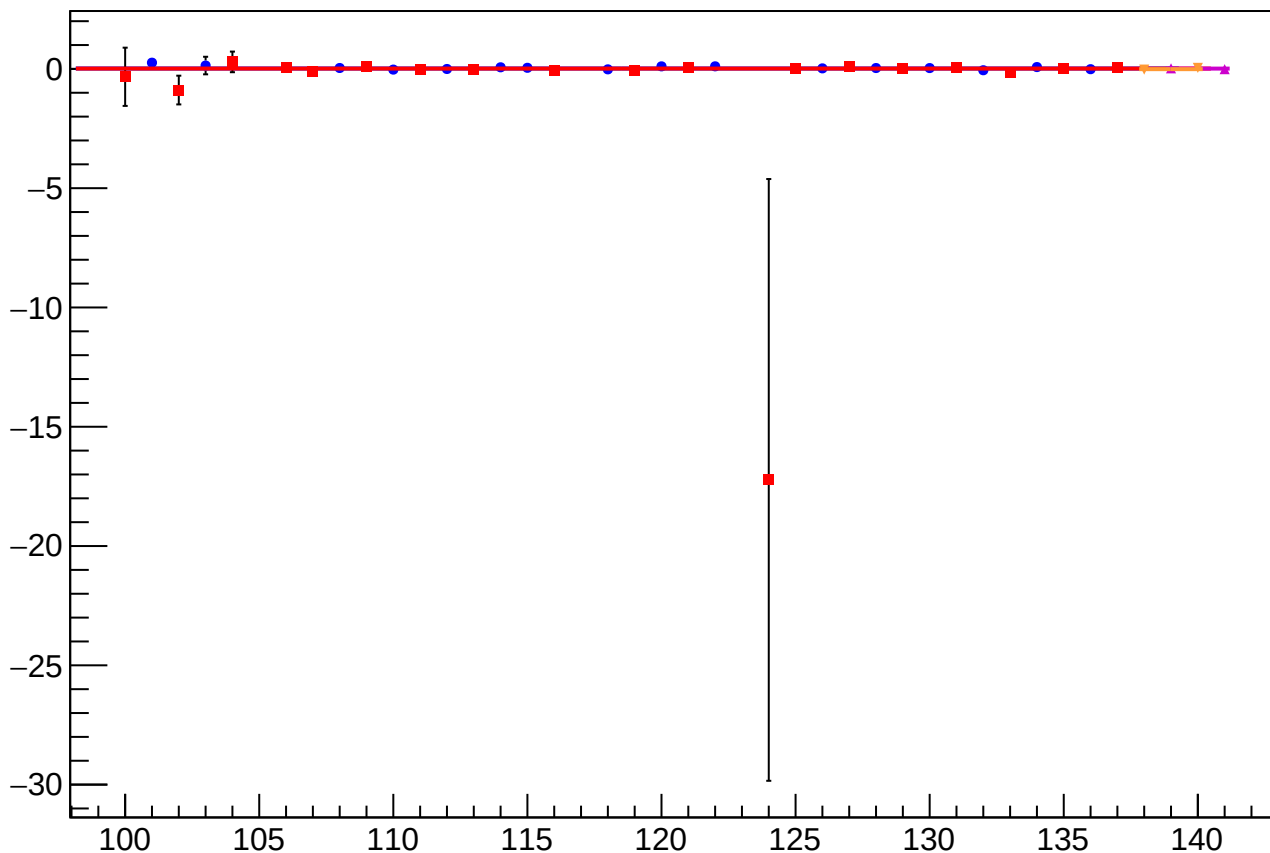
All: 0.000+/-0.000 χ^2/NDF : 41.1/38

- sign 0.000+/-0.000 χ^2/NDF : 25.5/20

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



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

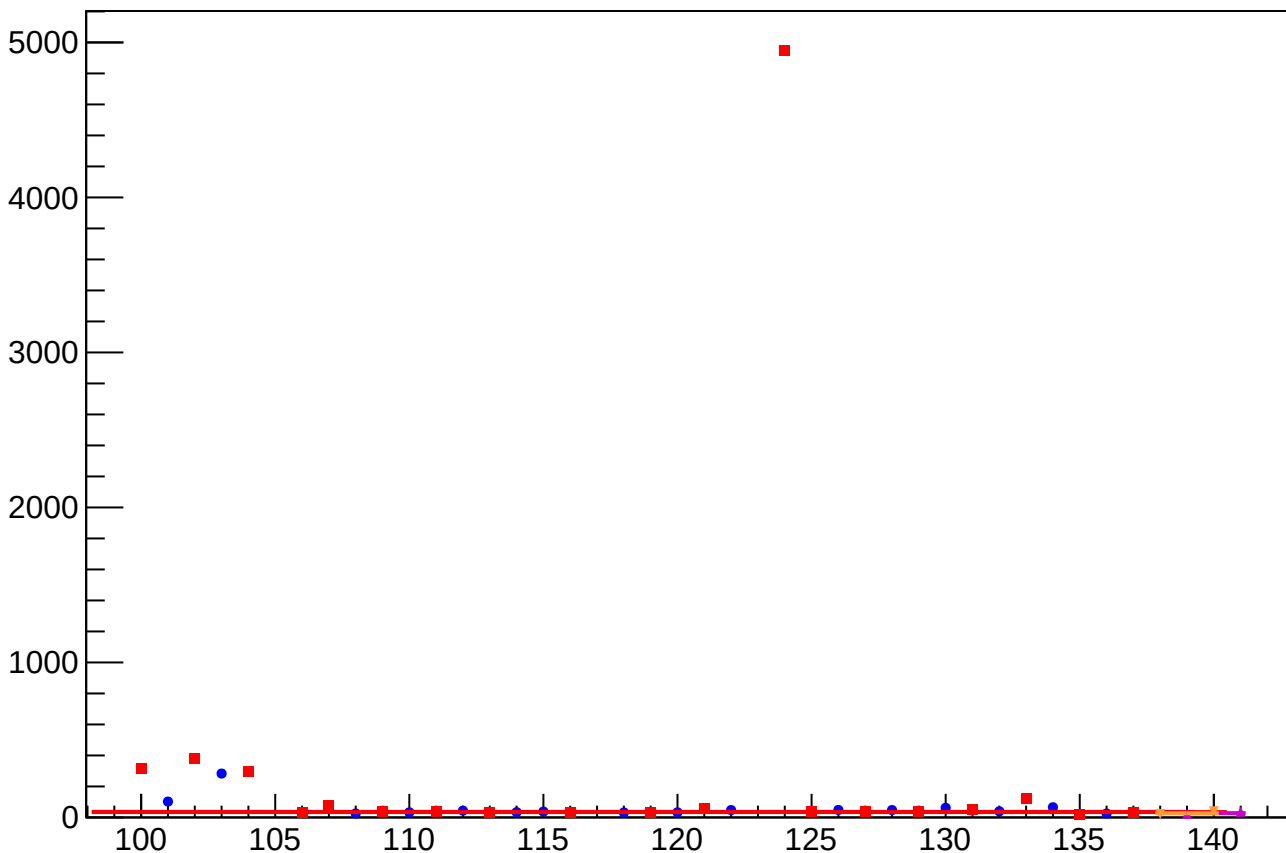
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 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

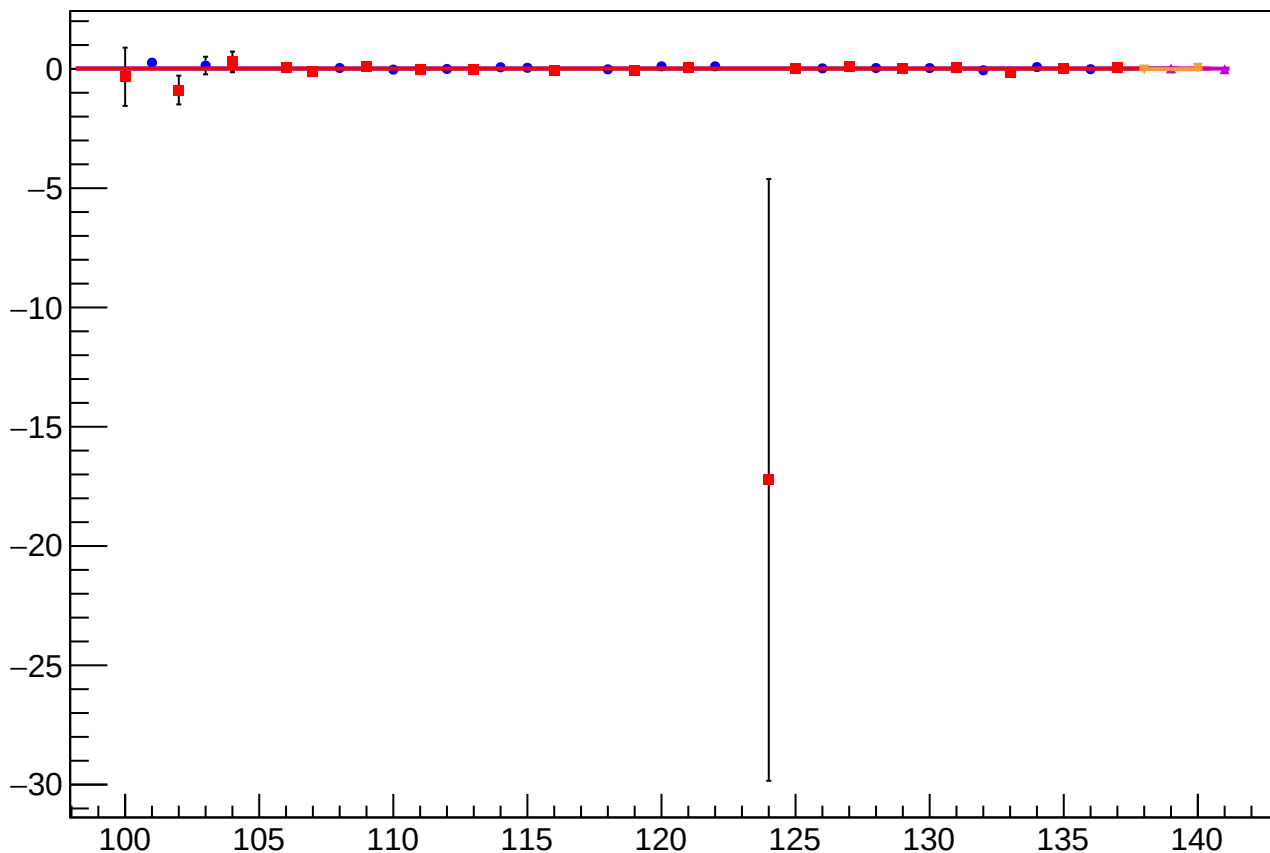
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.944 $\pm$ 0.007 χ^2 /NDF: 5825559.5/38

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

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

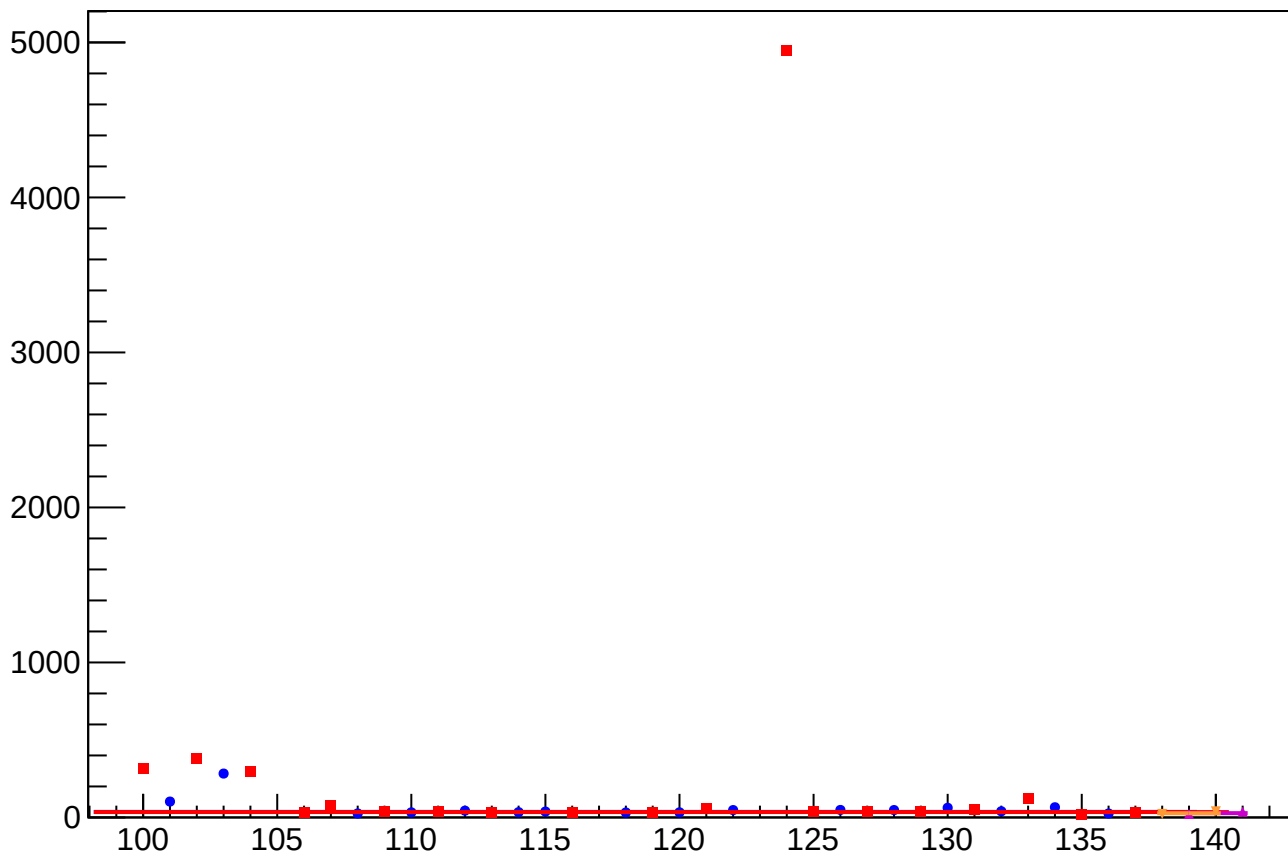
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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

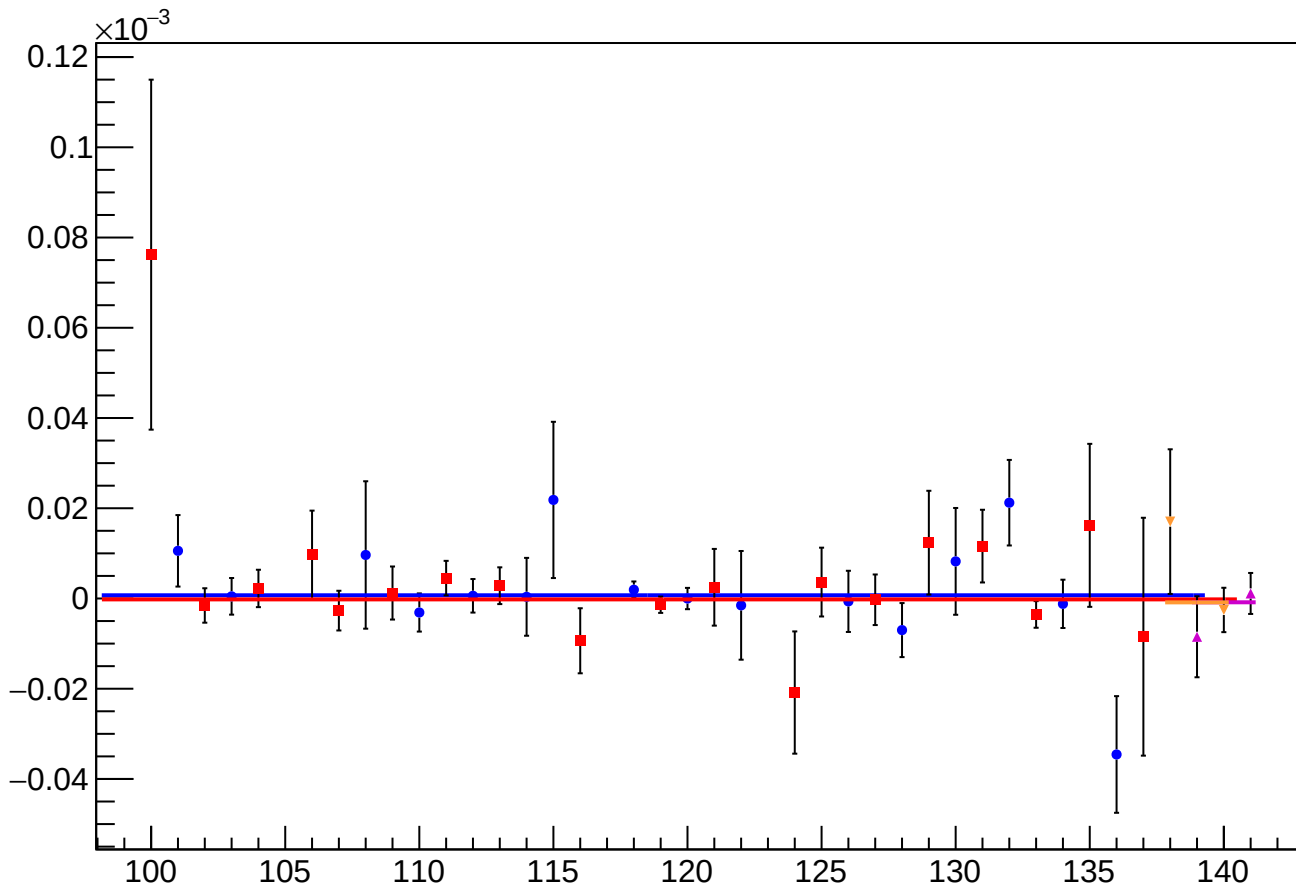
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.944 $\pm$ 0.007 χ^2 /NDF: 5825559.5/38

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

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

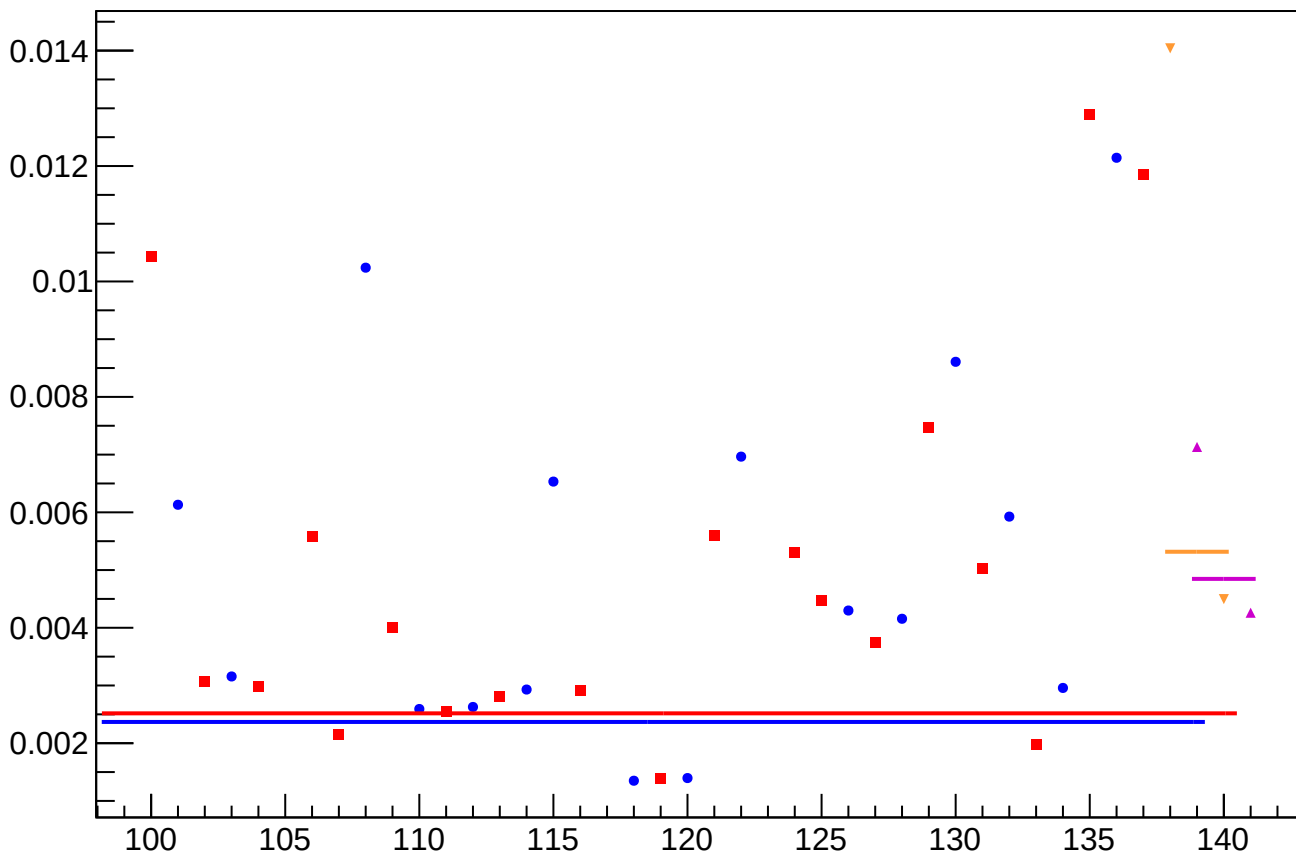
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/20

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

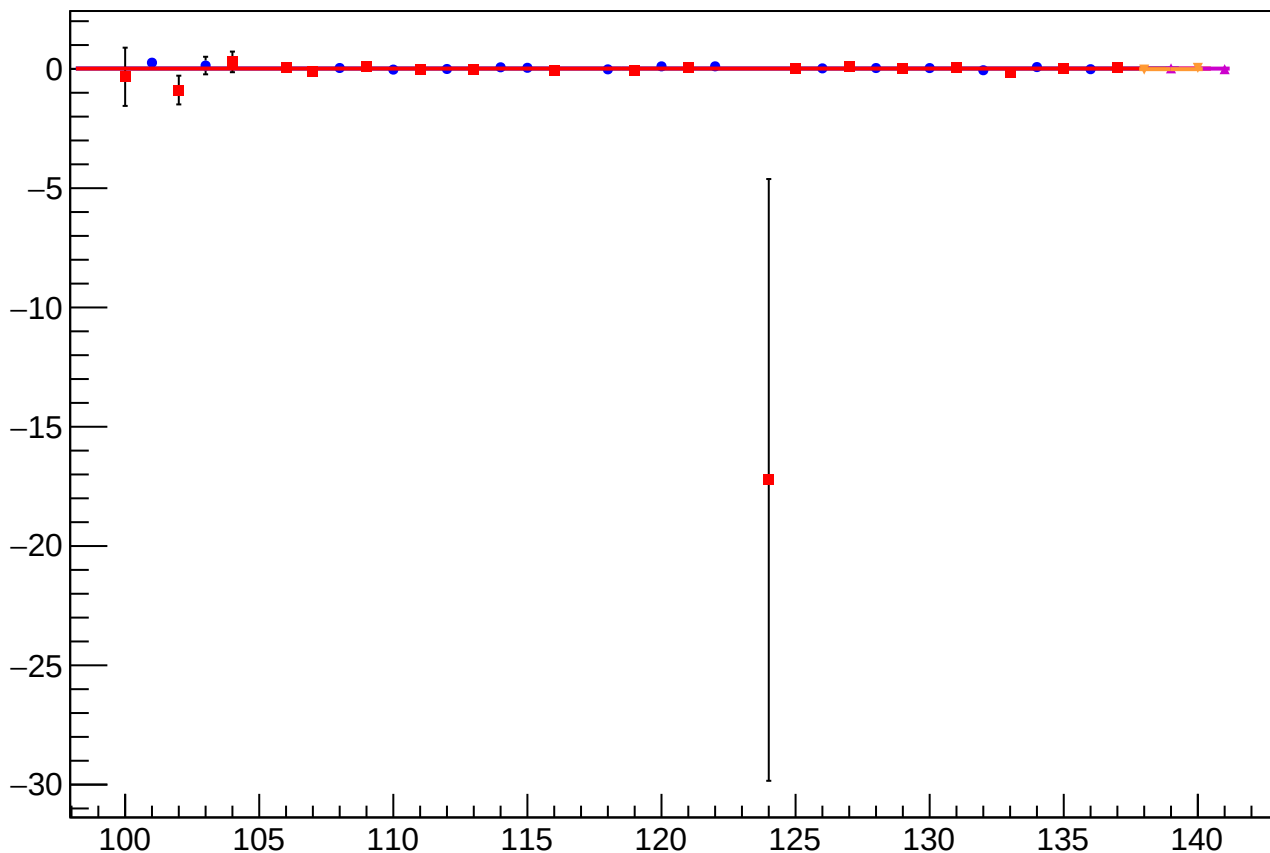
Left In: 0.005+/-0.000 χ^2/NDF : 163119.1/1

+ sign 0.003+/-0.000 χ^2/NDF : 6115096.4/17

All: 0.003+/-0.000 χ^2/NDF : 10312537.1/38

- sign 0.003+/-0.000 χ^2/NDF : 4178584.2/20

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 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

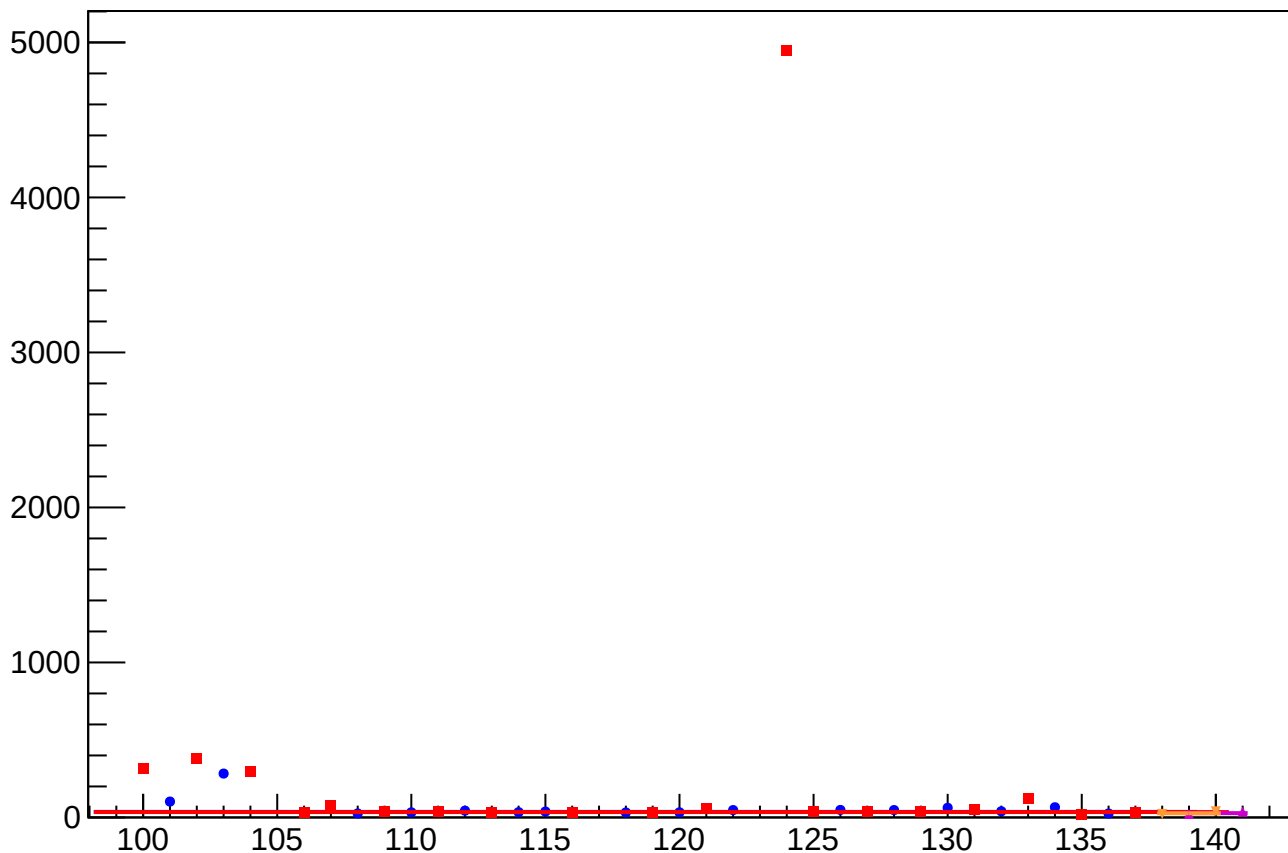
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

asym_atl_avg_atr_avg_dd_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

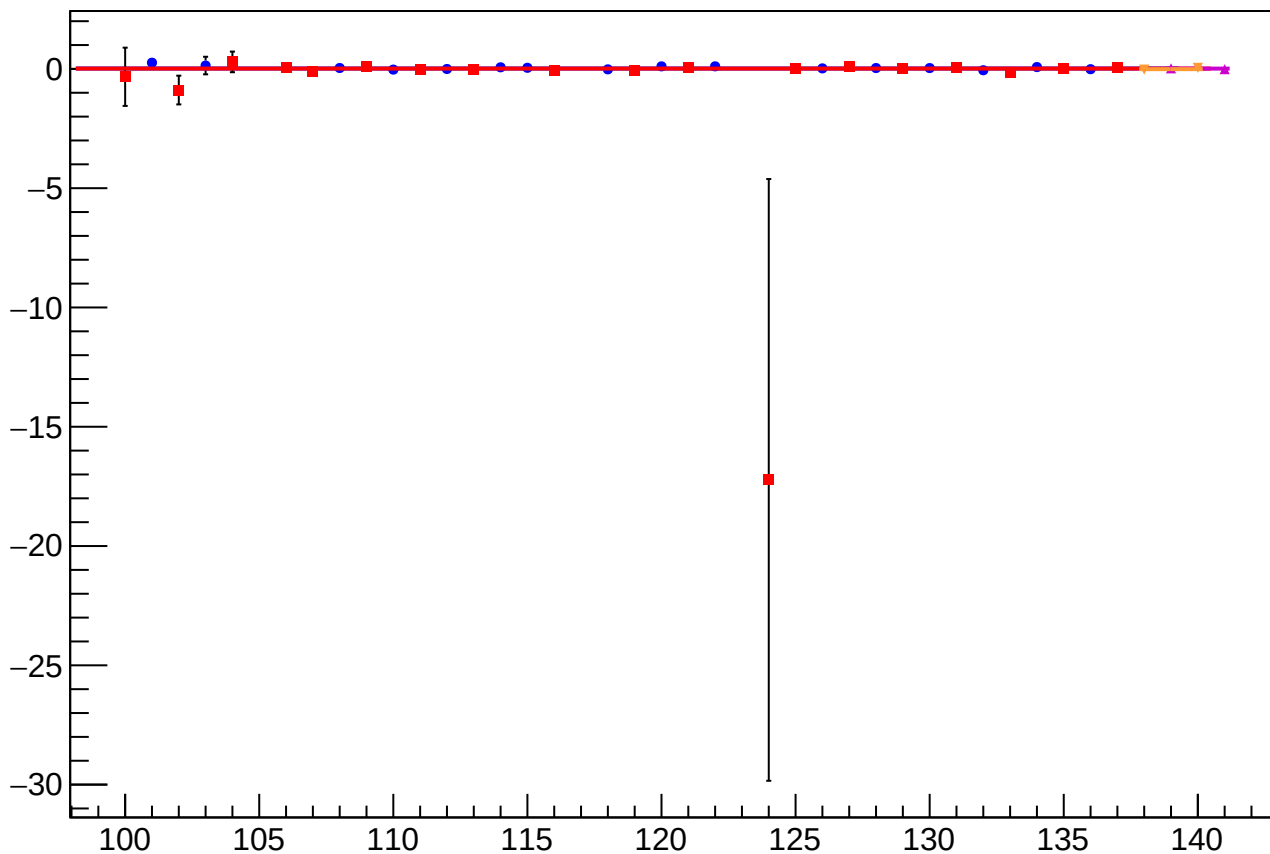
Left In: 27.827 $\pm$ 0.017 χ^2 /NDF: 137739.1/1

+ sign 33.138 $\pm$ 0.009 χ^2 /NDF: 2655758.9/17

All: 32.944 $\pm$ 0.007 χ^2 /NDF: 5825689.9/38

- sign 32.744 $\pm$ 0.009 χ^2 /NDF: 3169017.0/20

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

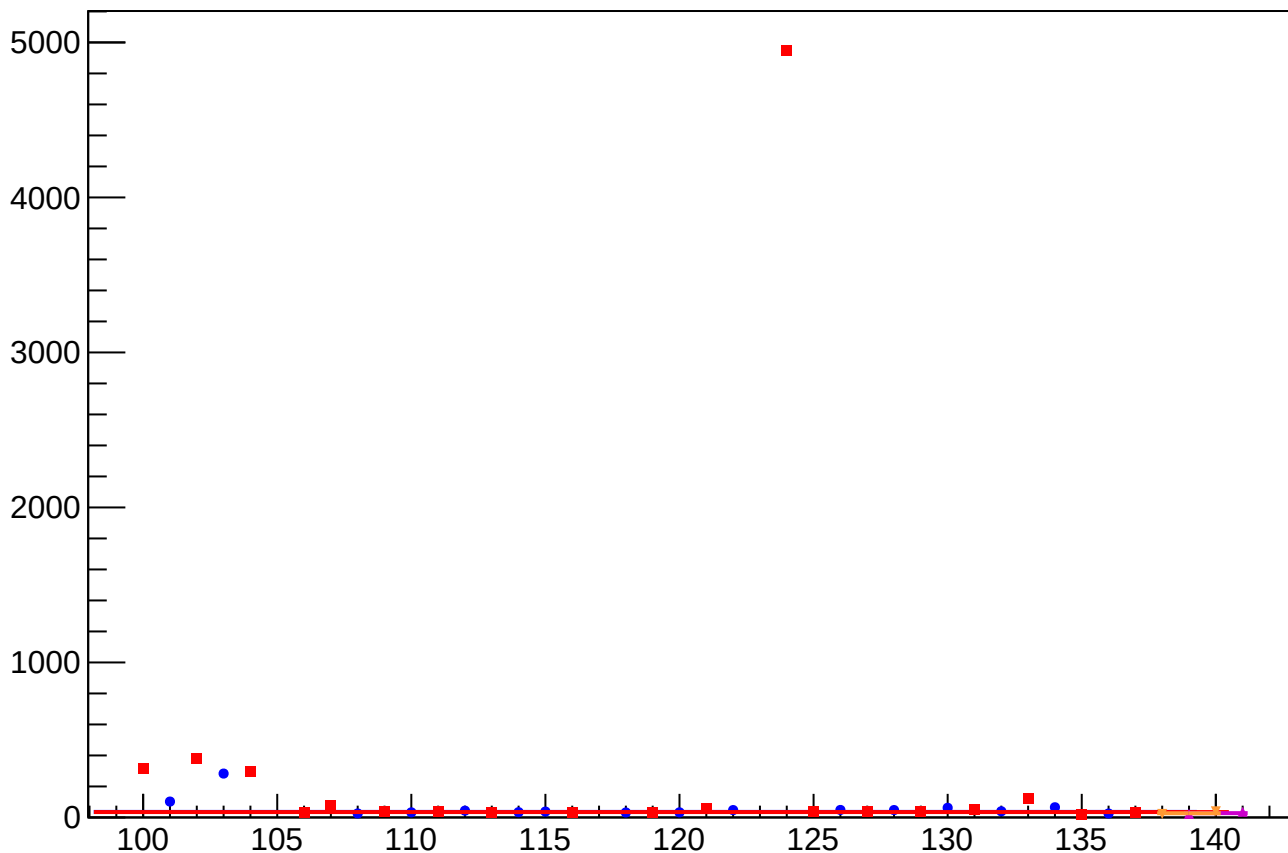
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_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

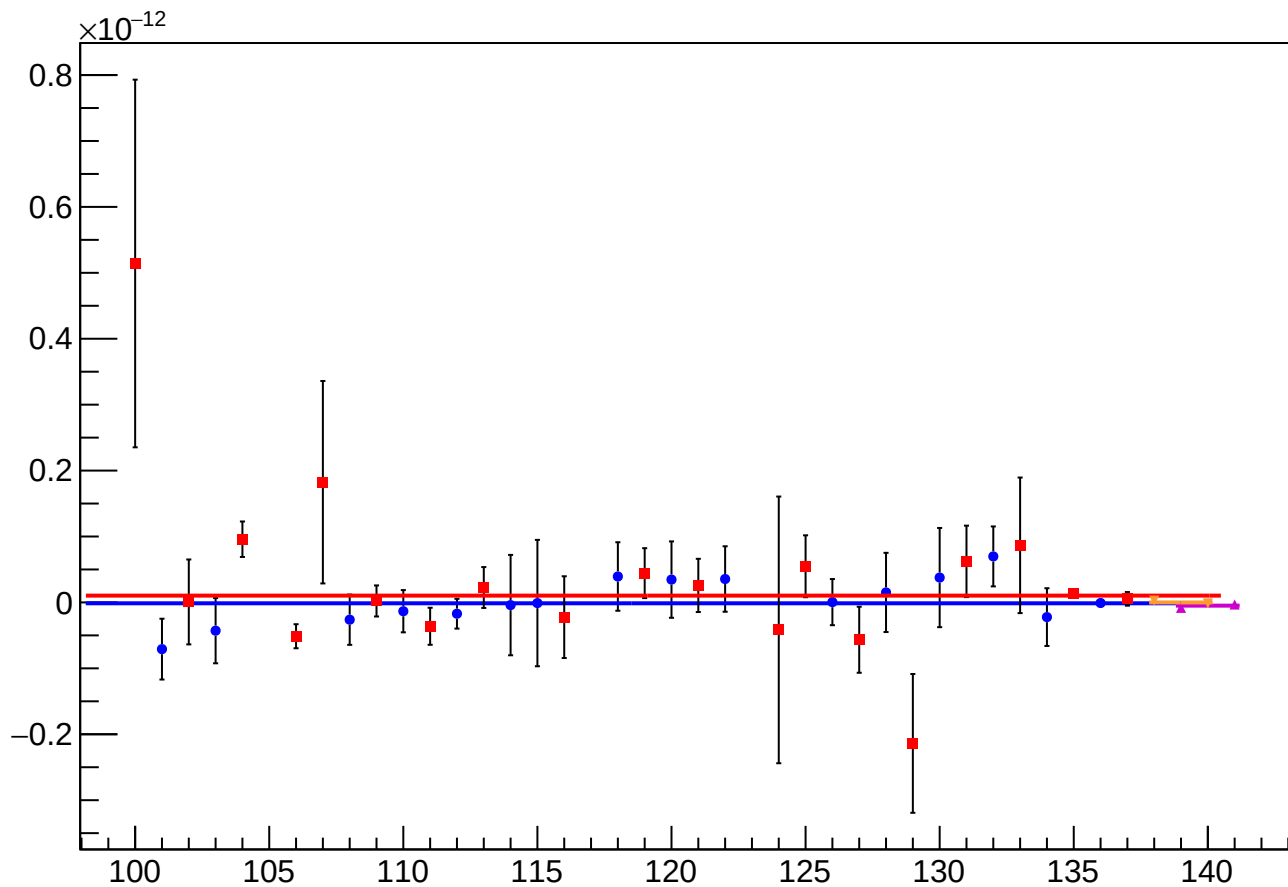
Left In: 27.827 $\pm$ 0.017 χ^2 /NDF: 137739.1/1

+ sign 33.138 $\pm$ 0.009 χ^2 /NDF: 2655758.9/17

All: 32.944 $\pm$ 0.007 χ^2 /NDF: 5825689.9/38

- sign 32.744 $\pm$ 0.009 χ^2 /NDF: 3169017.0/20

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

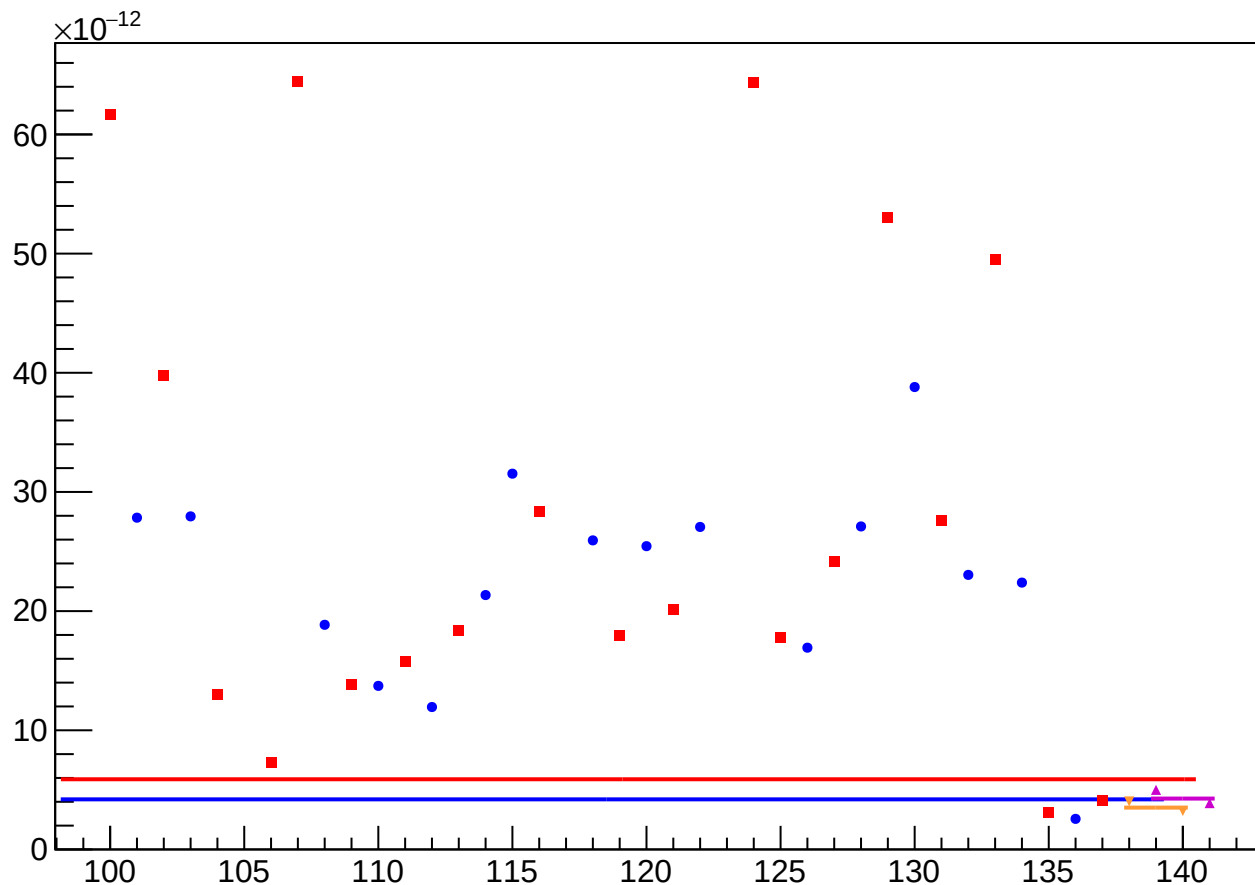
Left In: -0.000+/-0.000 χ^2 /NDF: 0.4/1

+ sign -0.000+/-0.000 χ^2 /NDF: 9.1/17

All: 0.000+/-0.000 χ^2 /NDF: 57.0/38

- sign 0.000+/-0.000 χ^2 /NDF: 47.3/20

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

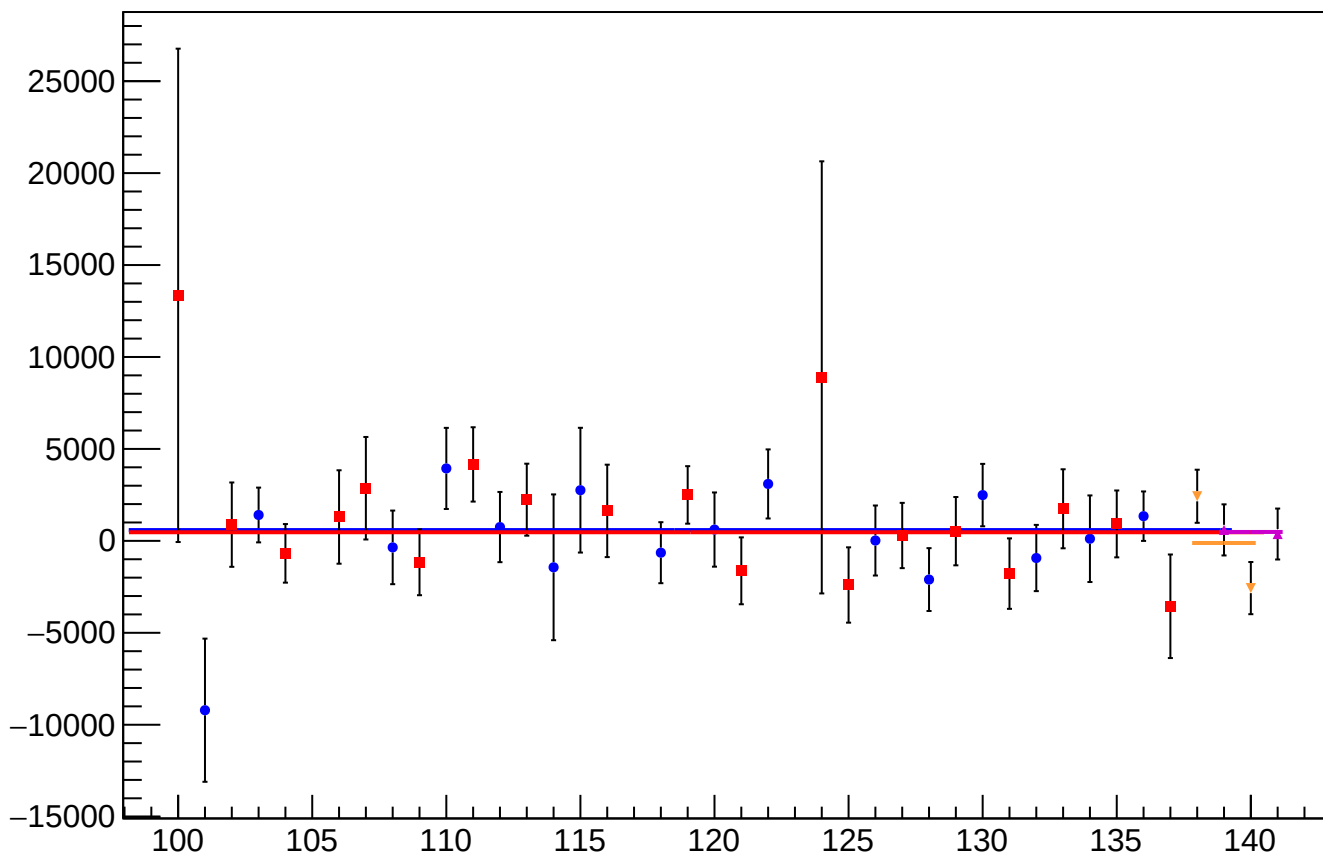
Left In: 0.000+/-0.000 χ^2/NDF : 36200.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 5150867.9/17

All: 0.000+/-0.000 χ^2/NDF : 10413004.2/38

- sign 0.000+/-0.000 χ^2/NDF : 5056896.0/20

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

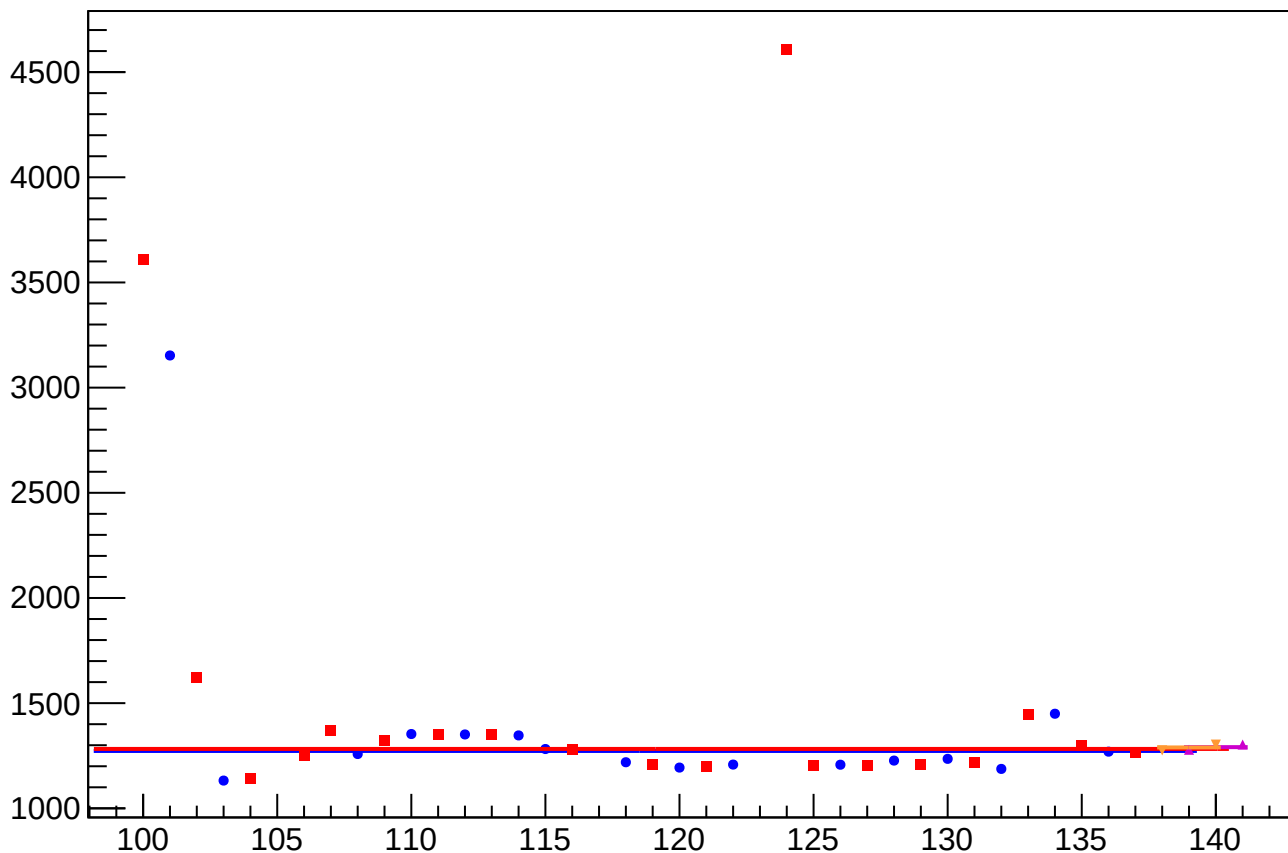
Left In: 483.916 $\pm$ 981.051 χ^2 /NDF:0.0/1

+ sign 456.927 $\pm$ 435.476 χ^2 /NDF: 23.6/17

All: 464.480 $\pm$ 306.524 χ^2 /NDF: 40.4/38

- sign 471.896 $\pm$ 431.533 χ^2 /NDF: 16.9/20

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF : 322078.6/18

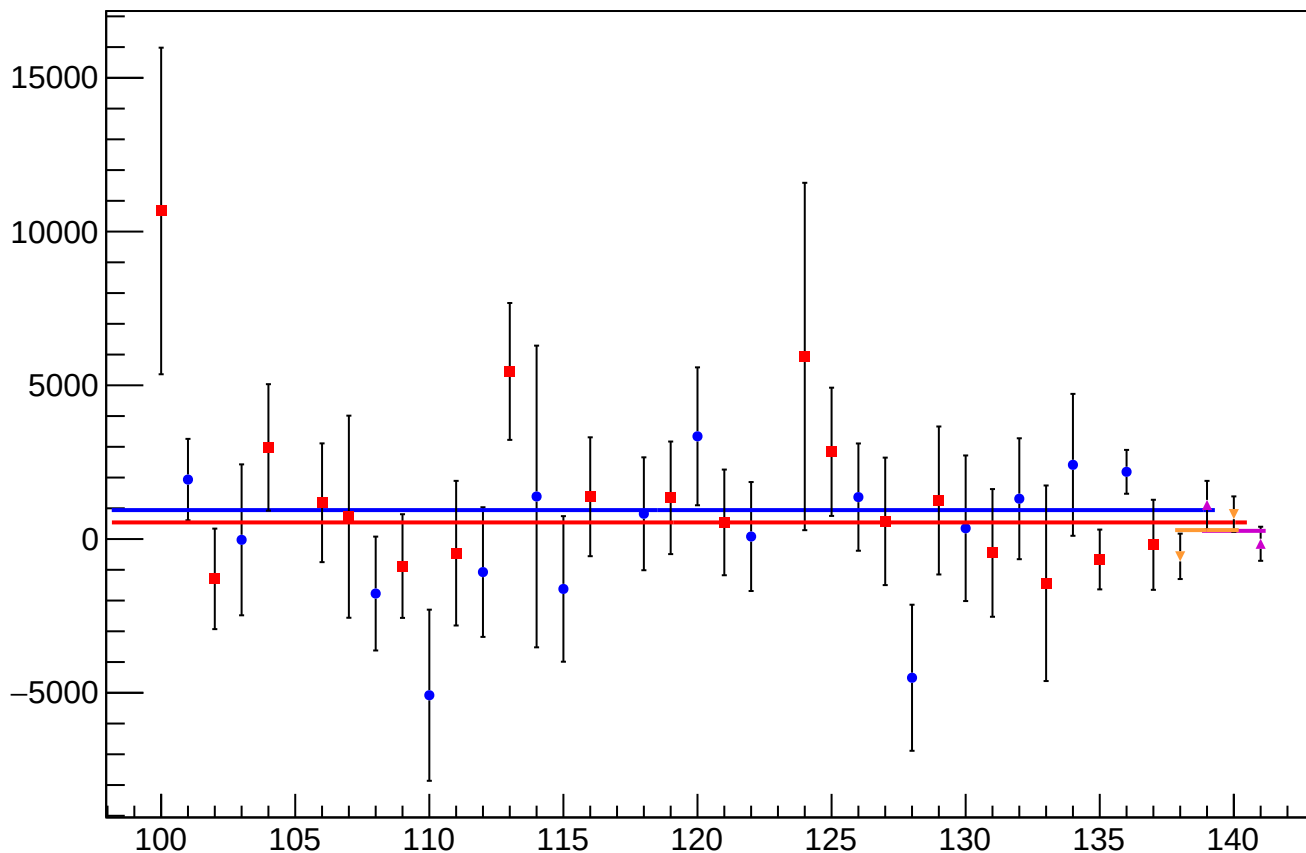
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1275.873+/-0.308 χ^2/NDF : 520103.5/17

All: 1279.982+/-0.217 χ^2/NDF : 842974.0/38

- sign 1284.017+/-0.305 χ^2/NDF : 322517.6/20

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759 ± 425.837 χ^2/NDF : 19.9/15

Left Out: 291.098 ± 454.354 χ^2/NDF : 2.1/1

Right Out: 540.622 ± 439.905 χ^2/NDF : 17.2/18

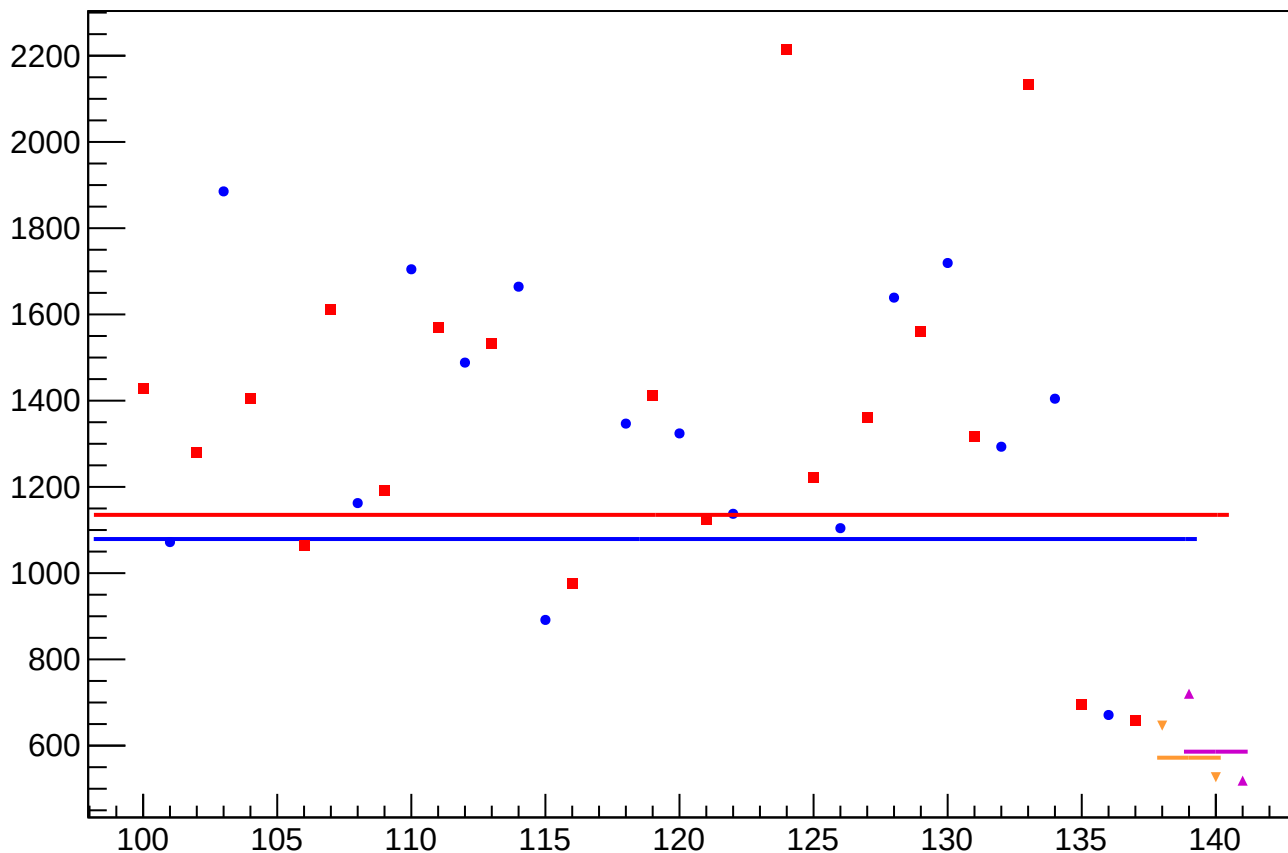
Left In: 266.801 ± 452.548 χ^2/NDF : 1.7/1

+ sign 637.488 ± 310.705 χ^2/NDF : 23.1/17

All: 524.275 ± 221.355 χ^2/NDF : 42.5/38

- sign 407.590 ± 315.435 χ^2/NDF : 19.1/20

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

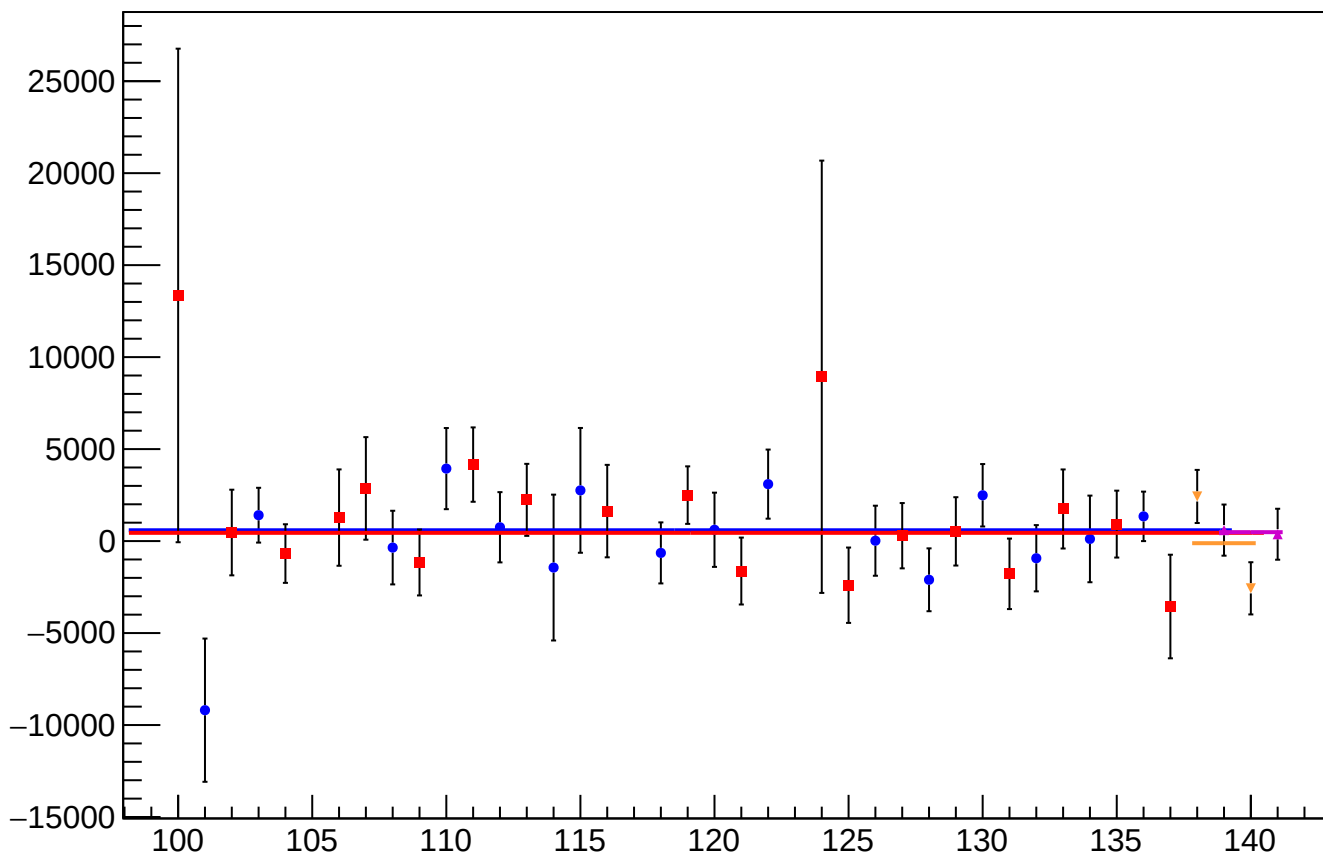
Left In: 585.978+/-0.320 χ^2/NDF : 88146.9/1

+ sign 841.977+/-0.220 χ^2/NDF : 2841228.4/17

All: 854.964+/-0.157 χ^2/NDF : 5743933.6/38

- sign 868.348+/-0.223 χ^2/NDF : 2895610.4/20

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

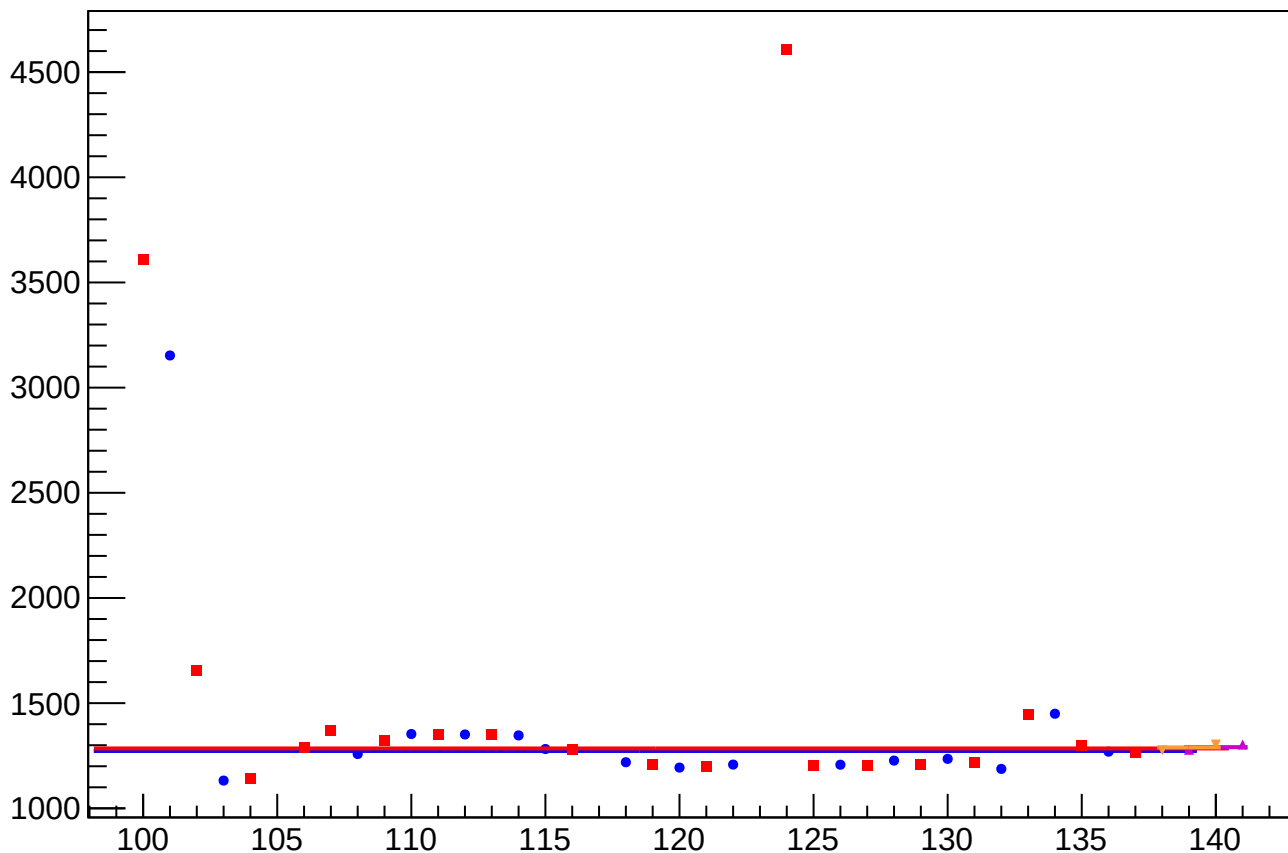
Left In: 483.795+/-981.051 χ^2/NDF : 0.0/1

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 456.221+/-306.736 χ^2/NDF : 40.4/38

- sign 455.277+/-432.125 χ^2/NDF : 16.8/20

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

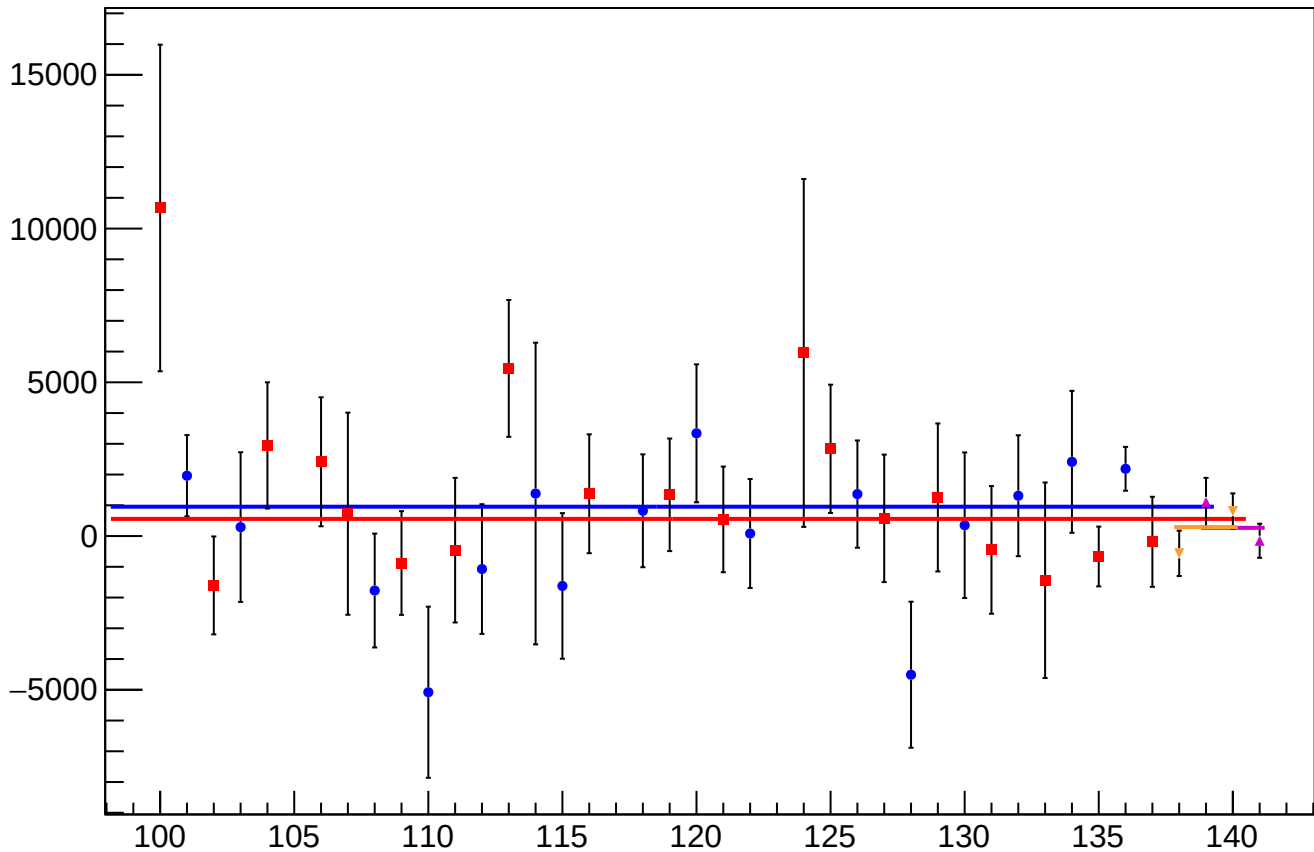
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1275.872+/-0.308 χ^2/NDF : 520104.9/17

All: 1280.908+/-0.217 χ^2/NDF : 849752.8/38

- sign 1285.866+/-0.306 χ^2/NDF : 329117.1/20

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 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

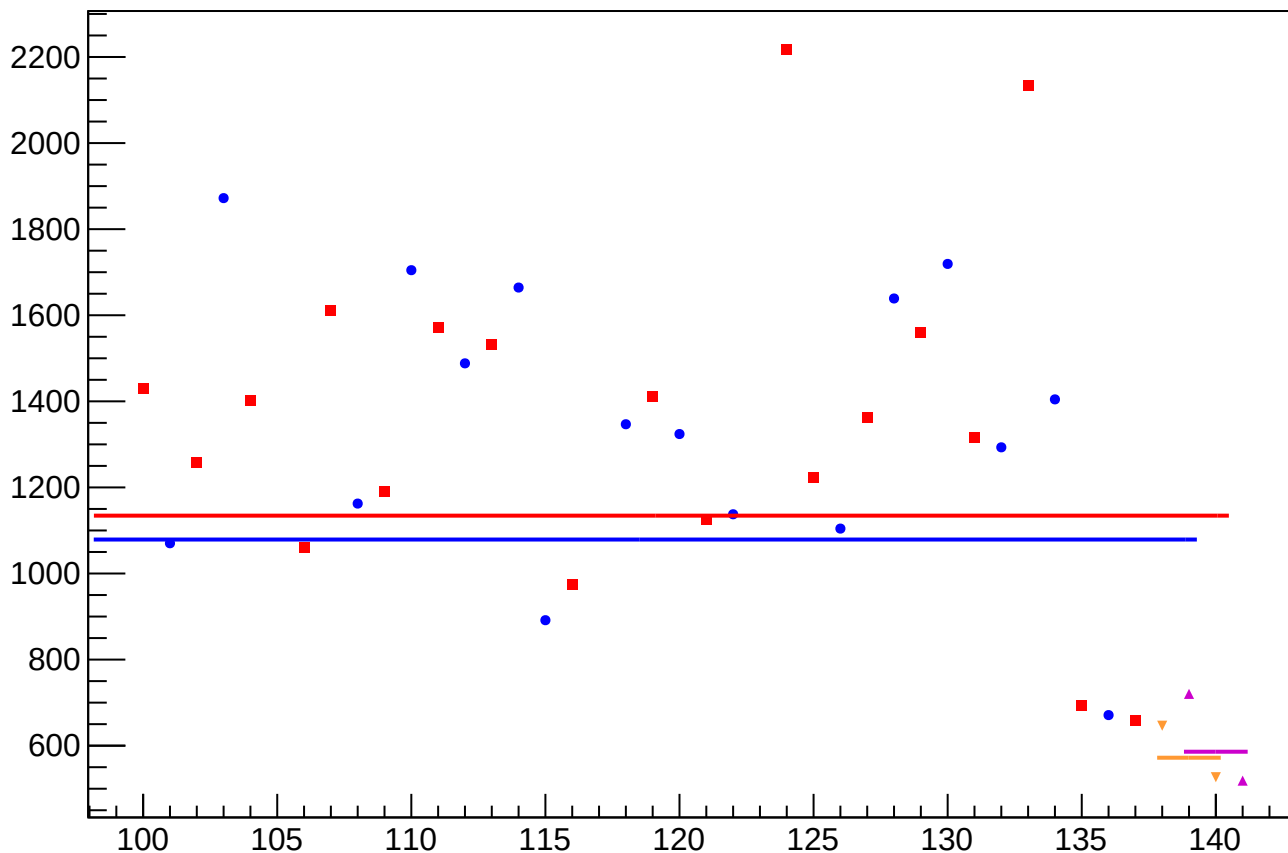
Left In: 266.941 $\pm$ 452.536 χ^2 /NDF:1.7/1

+ sign 644.325 $\pm$ 310.641 χ^2 /NDF: 23.1/17

All: 532.158 $\pm$ 221.439 χ^2 /NDF: 43.7/38

- sign 416.274 $\pm$ 315.745 χ^2 /NDF: 20.3/20

asym_atl_dd_atr_dd_dd_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

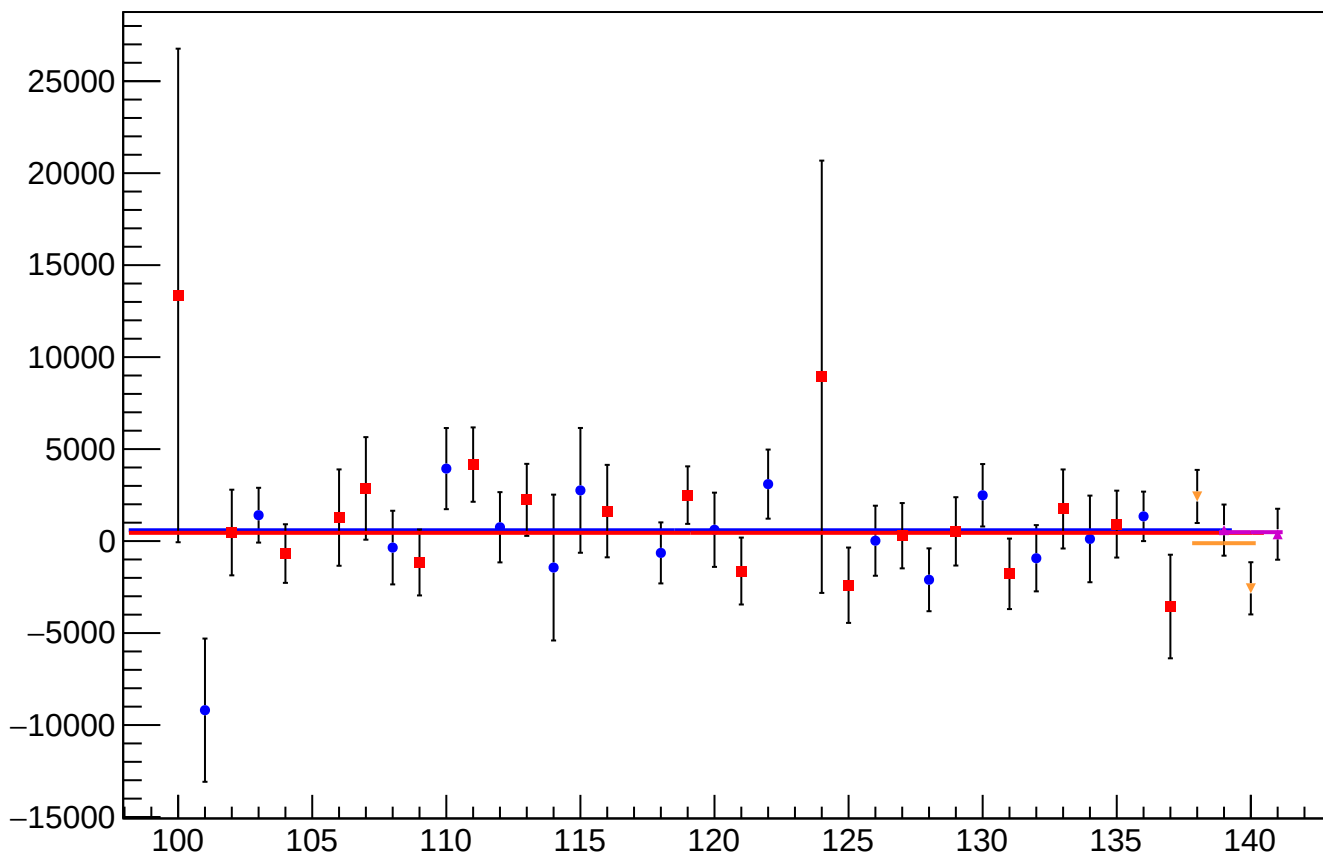
Left In: 585.960 $\pm$ 0.320 χ^2/NDF : 88162.4/1

+ sign 841.999 $\pm$ 0.220 χ^2/NDF : 2837084.5/17

All: 854.504 $\pm$ 0.157 χ^2/NDF : 5728376.2/38

- sign 867.424 $\pm$ 0.223 χ^2/NDF : 2884701.7/20

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

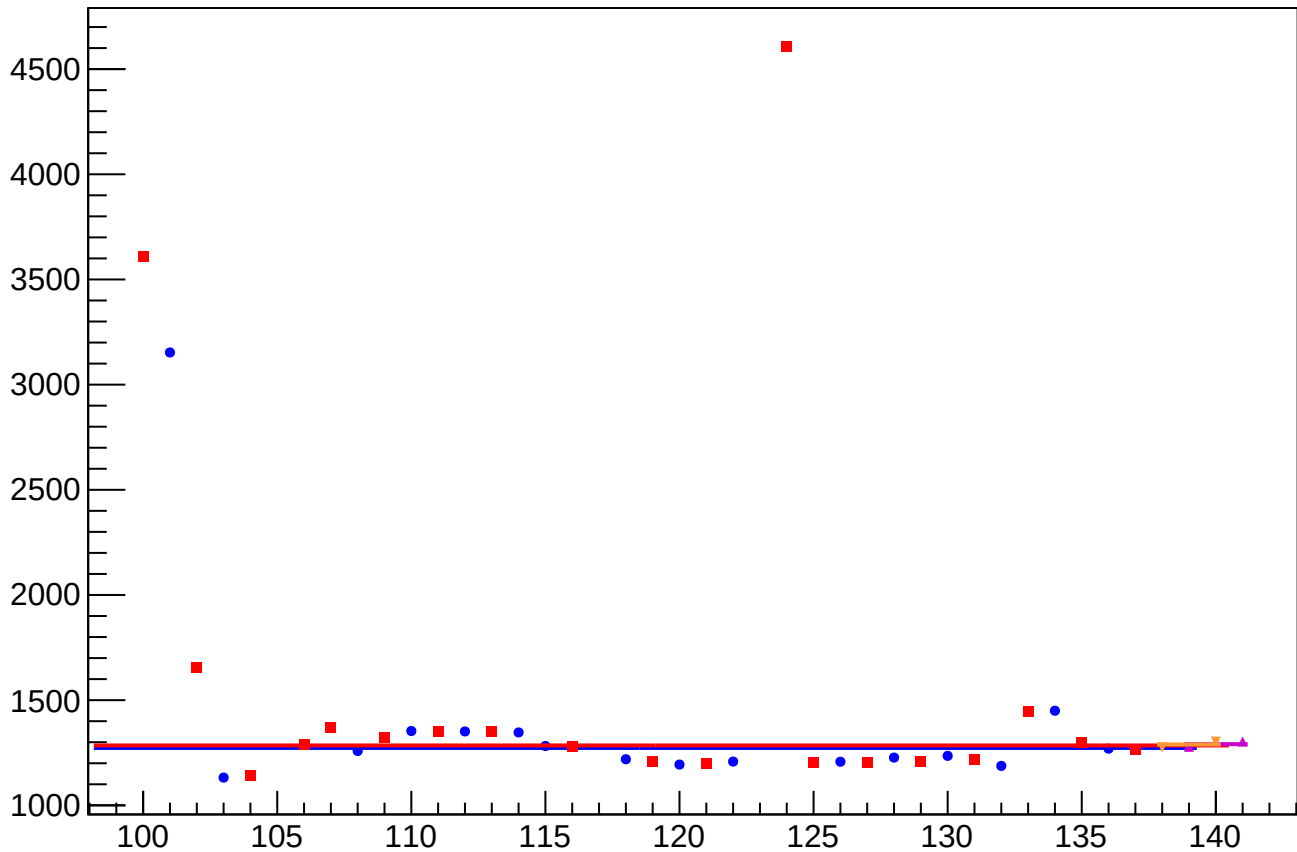
Left In: 483.795+/-981.051 χ^2/NDF : 0.0/1

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 456.221+/-306.736 χ^2/NDF : 40.4/38

- sign 455.277+/-432.125 χ^2/NDF : 16.8/20

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

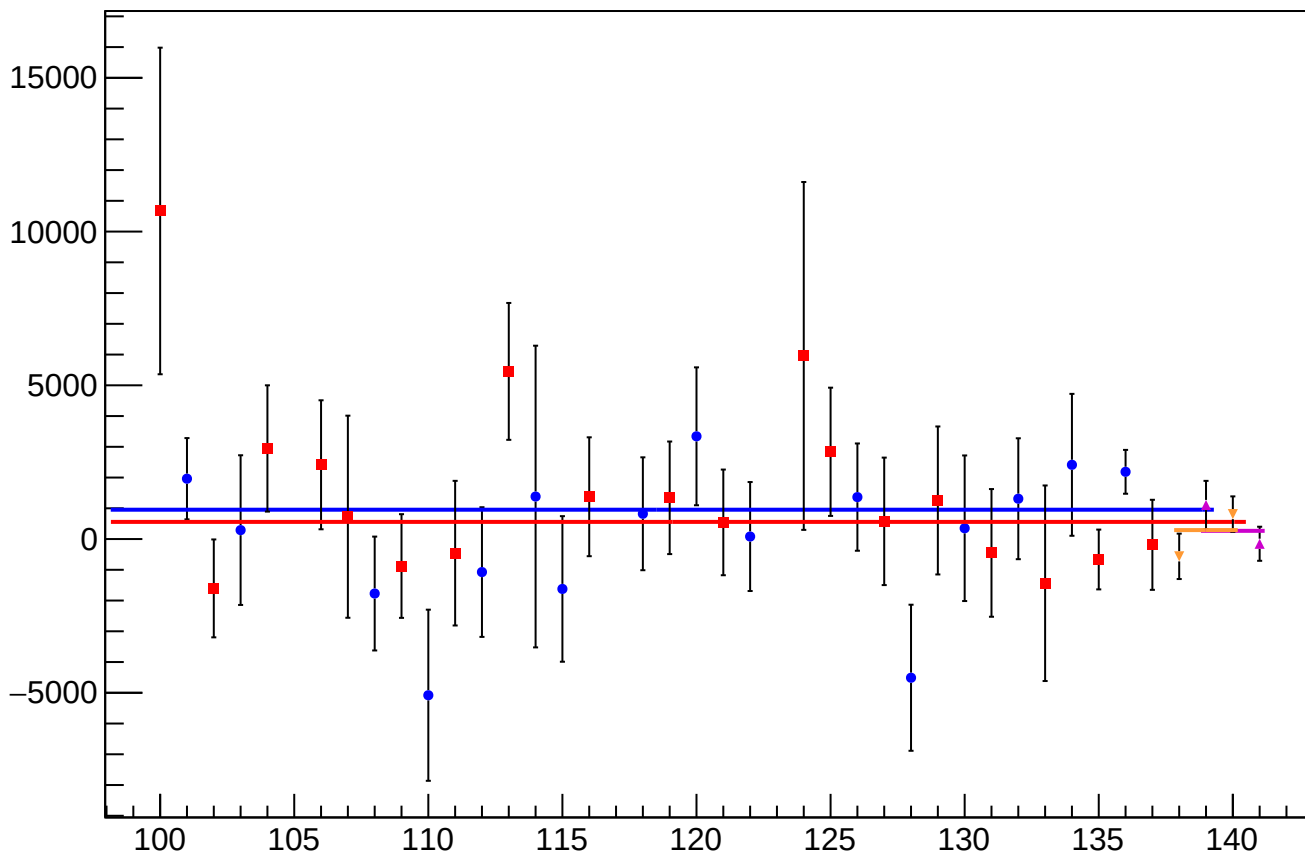
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1275.872+/-0.308 χ^2/NDF : 520104.9/17

All: 1280.908+/-0.217 χ^2/NDF : 849752.8/38

- sign 1285.866+/-0.306 χ^2/NDF : 329117.1/20

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

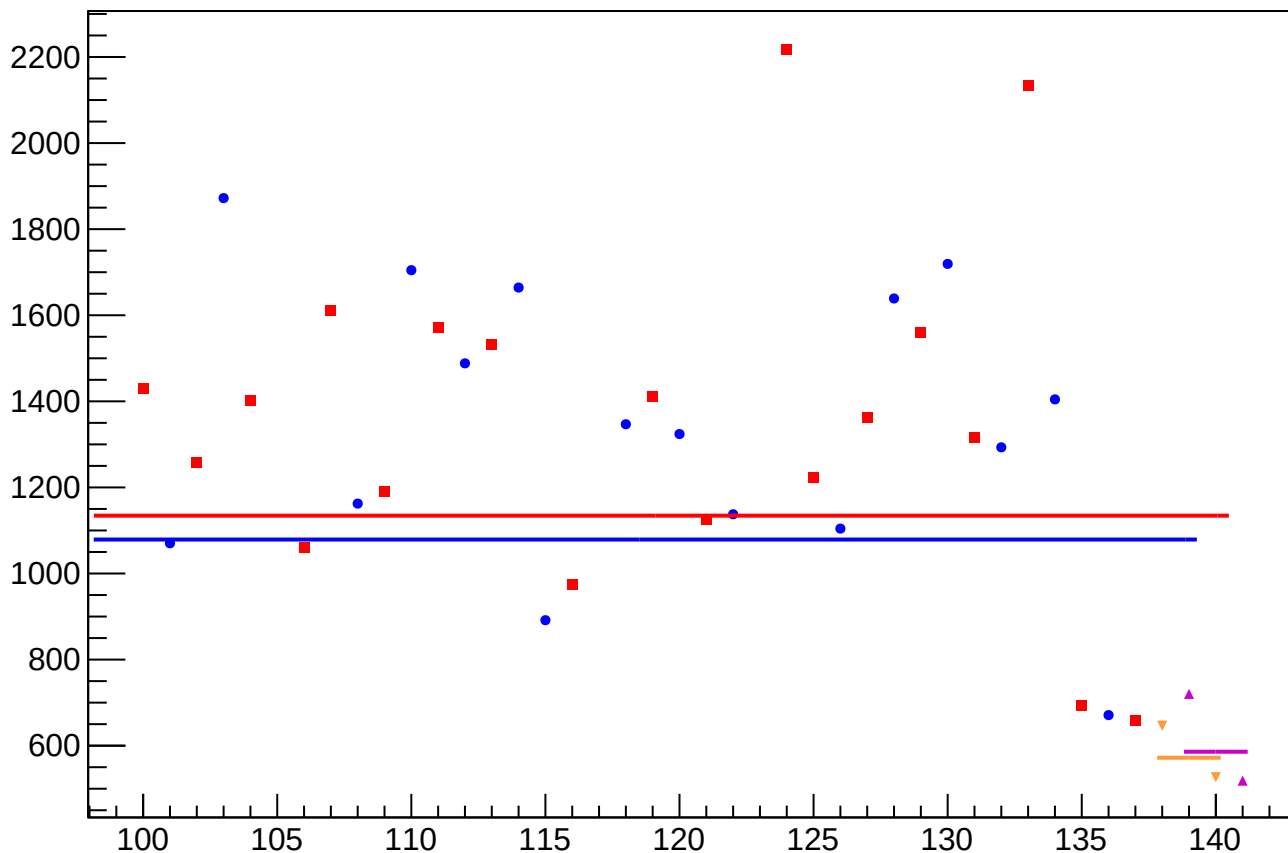
Left In: 266.941 $\pm$ 452.536 χ^2 /NDF:1.7/1

+ sign 644.325 $\pm$ 310.641 χ^2 /NDF: 23.1/17

All: 532.158 $\pm$ 221.439 χ^2 /NDF: 43.7/38

- sign 416.274 $\pm$ 315.745 χ^2 /NDF: 20.3/20

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

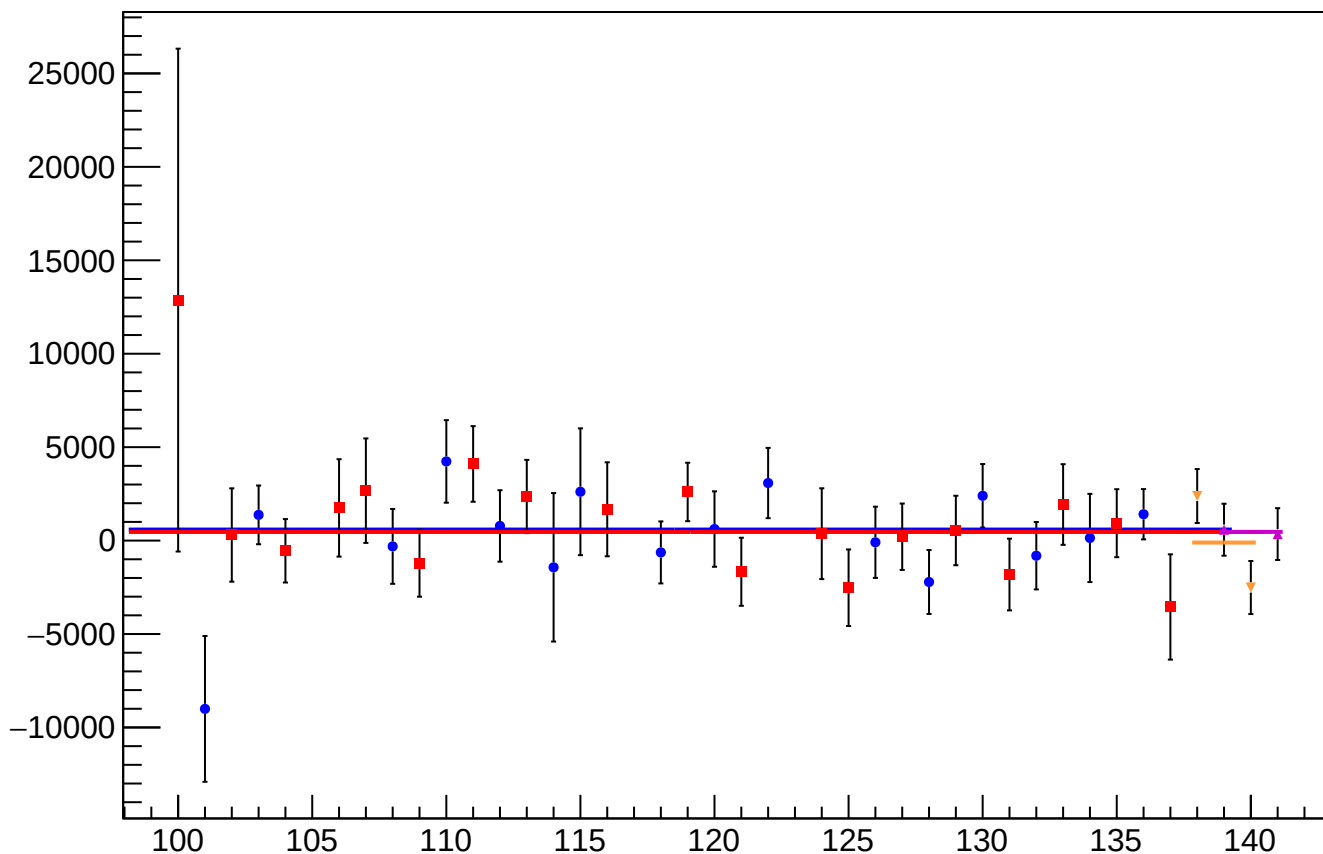
Left In: 585.960 $\pm$ 0.320 χ^2 /NDF: 88162.4/1

+ sign 841.999 $\pm$ 0.220 χ^2 /NDF: 2837084.5/17

All: 854.504 $\pm$ 0.157 χ^2 /NDF: 5728376.2/38

- sign 867.424 $\pm$ 0.223 χ^2 /NDF: 2884701.7/20

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF : 17.1/15

Left Out: -105.070+/-1012.604 χ^2/NDF : 5.8/1

Right Out: 462.606+/-476.795 χ^2/NDF : 16.7/18

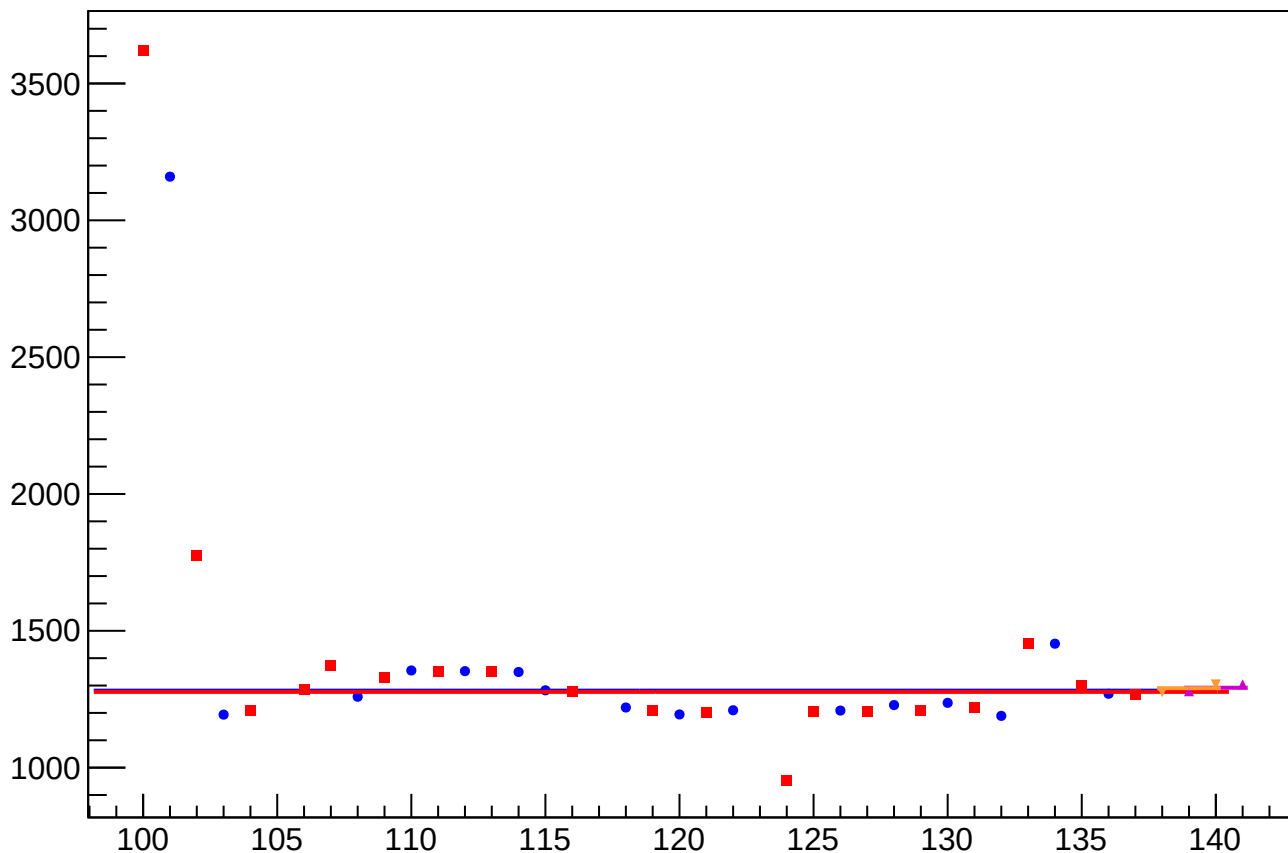
Left In: 465.013+/-981.815 χ^2/NDF : 0.0/1

+ sign 460.352+/-437.769 χ^2/NDF : 23.3/17

All: 461.736+/-306.364 χ^2/NDF : 40.0/38

- sign 463.065+/-428.896 χ^2/NDF : 16.7/20

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF : 387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

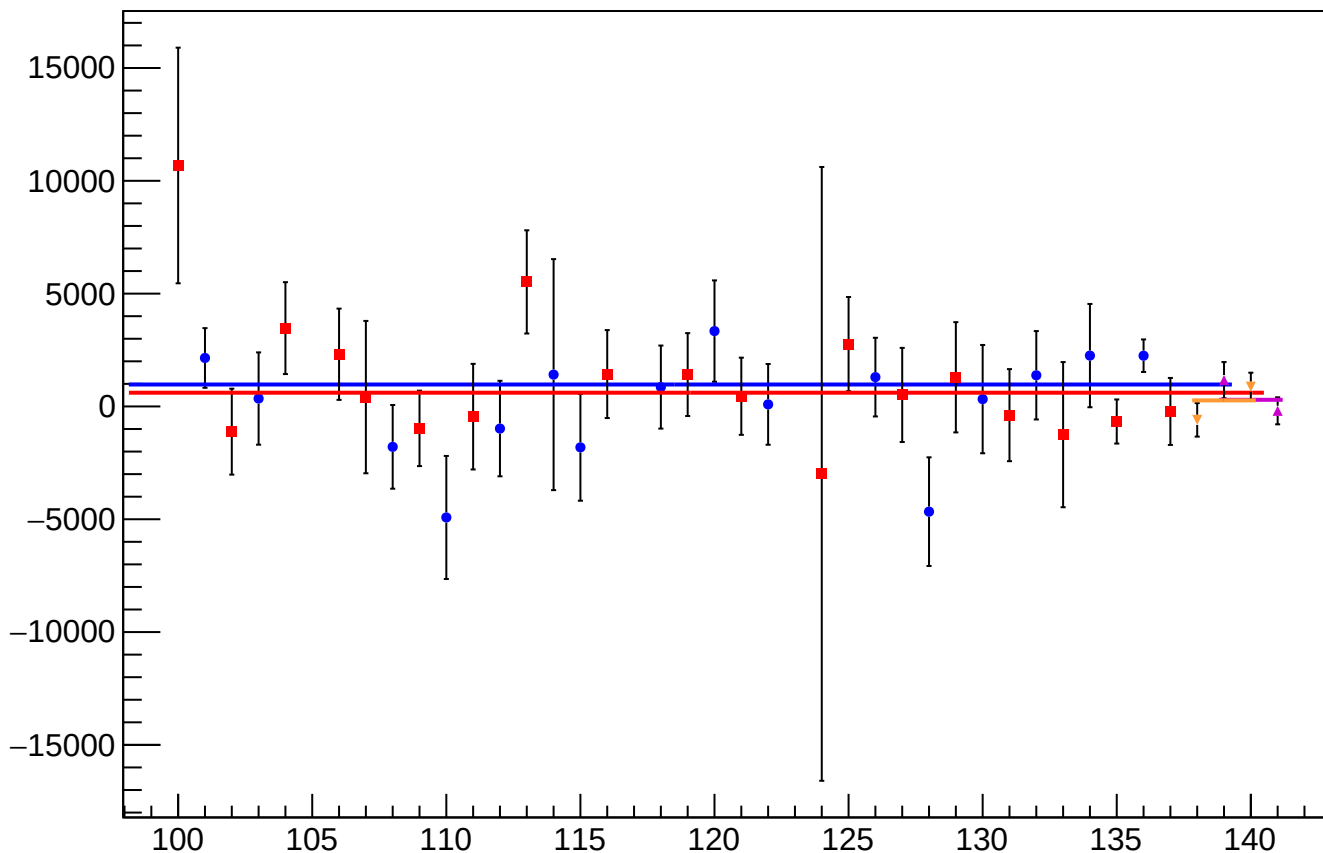
Left In: 1291.897+/-0.694 χ^2/NDF : 329.8/1

+ sign 1283.026+/-0.310 χ^2/NDF : 507590.2/17

All: 1281.344+/-0.217 χ^2/NDF : 728871.1/38

- sign 1279.730+/-0.303 χ^2/NDF : 221223.0/20

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287 $\pm$ 425.219 χ^2 /NDF: 20.4/15

Left Out: 268.805 $\pm$ 476.626 χ^2 /NDF:2.3/1

Right Out: 608.431 $\pm$ 447.734 χ^2 /NDF: 17.1/18

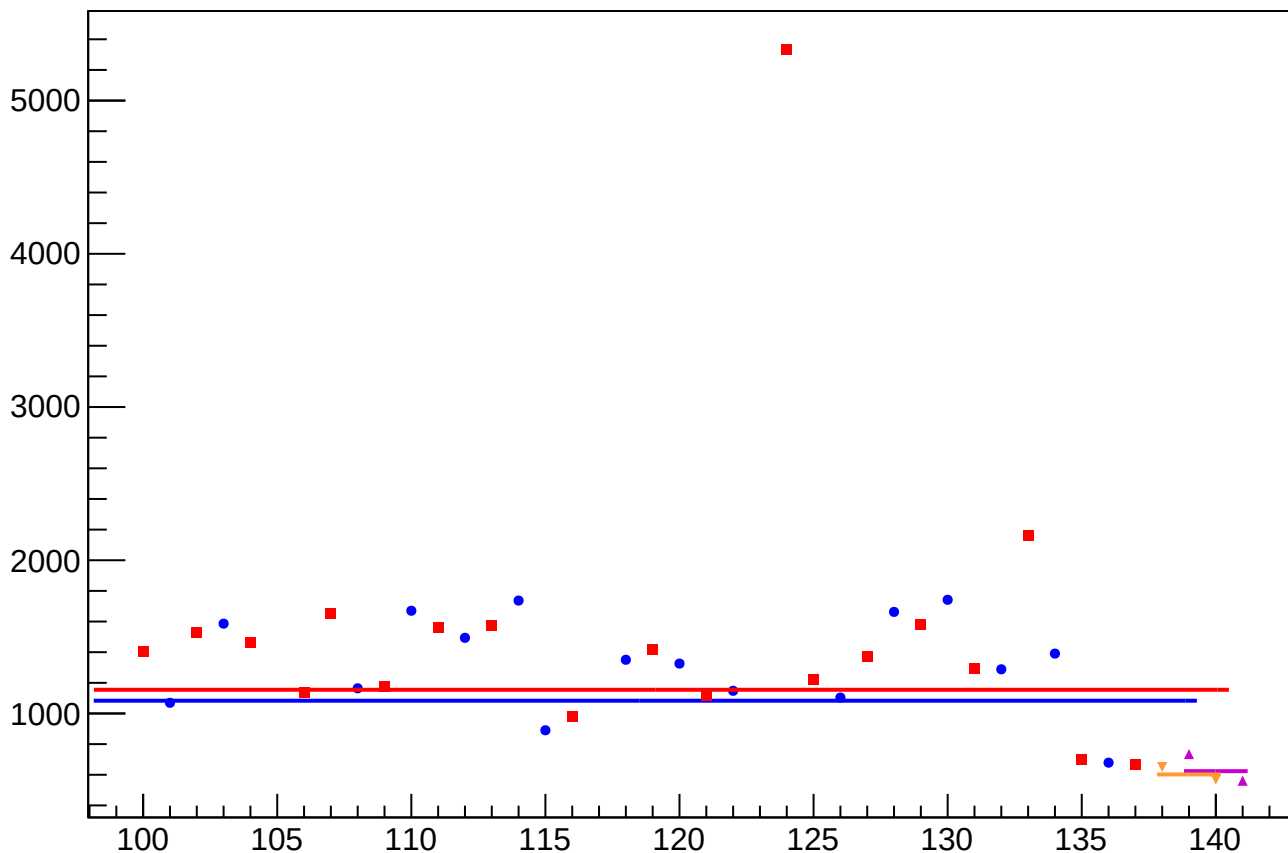
Left In: 294.204 $\pm$ 479.501 χ^2 /NDF:1.9/1

+ sign 660.517 $\pm$ 317.299 χ^2 /NDF: 24.0/17

All: 564.357 $\pm$ 227.801 χ^2 /NDF: 43.4/38

- sign 462.070 $\pm$ 327.250 χ^2 /NDF: 19.2/20

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2 /NDF: 1360153.3/15

Left Out: 602.065+/-0.337 χ^2 /NDF:14404.4/1

Right Out: 1154.724+/-0.317 χ^2 /NDF: 1488304.5/18

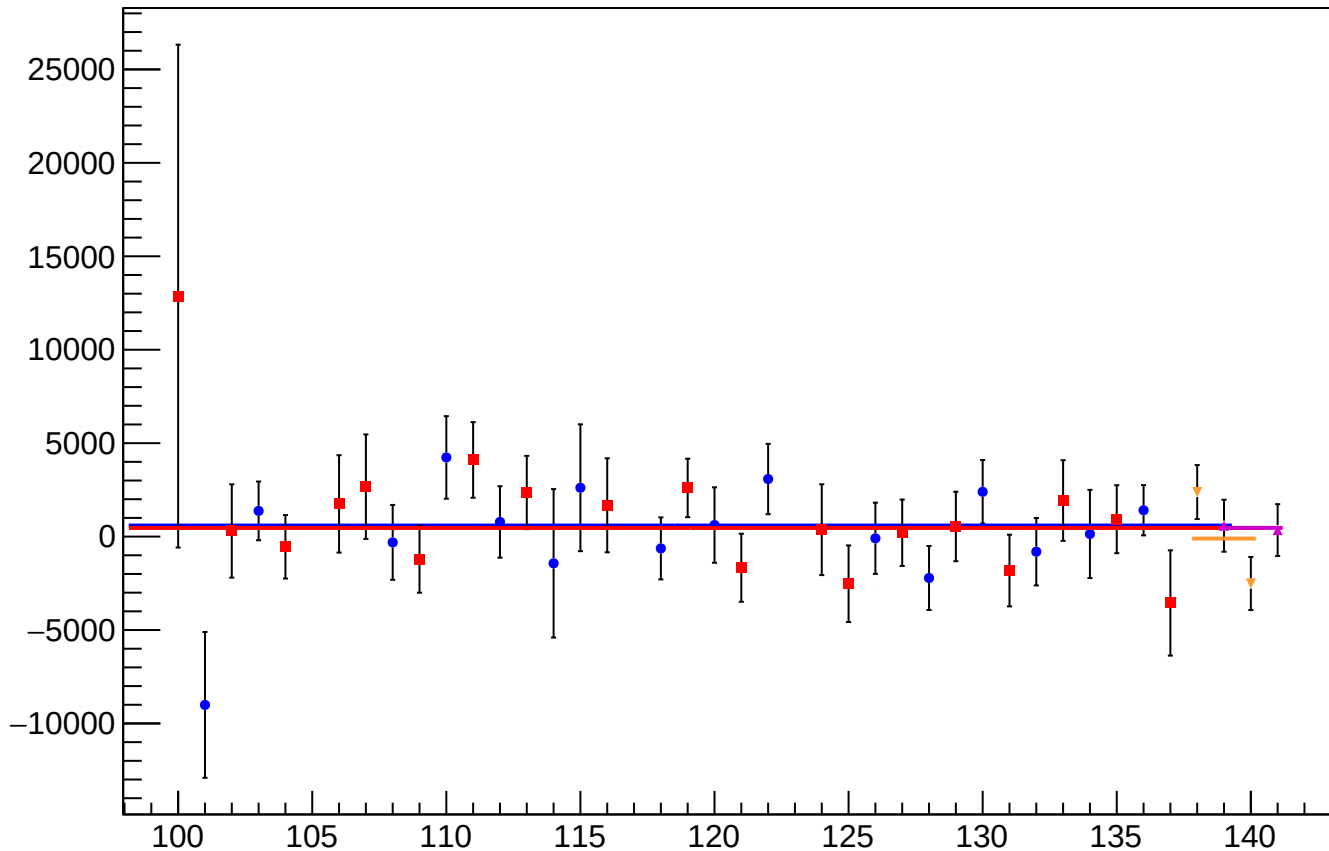
Left In: 623.559+/-0.339 χ^2 /NDF:60772.0/1

+ sign 870.044+/-0.224 χ^2 /NDF: 2510000.7/17

All: 888.106+/-0.161 χ^2 /NDF: 5383535.3/38

- sign 907.318+/-0.231 χ^2 /NDF: 2860161.1/20

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

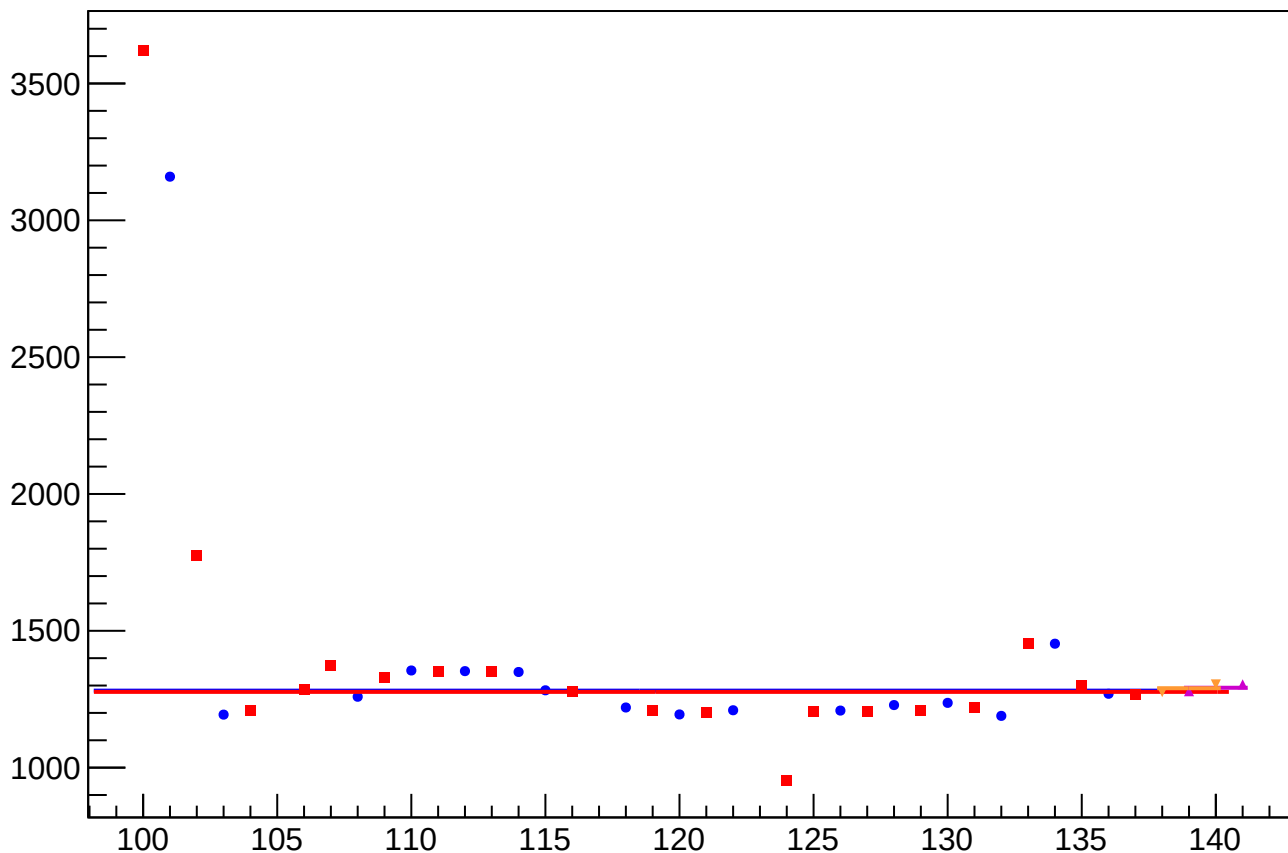
Left In: 465.021+/-981.815 χ^2/NDF : 0.0/1

+ sign 460.352+/-437.769 χ^2/NDF : 23.3/17

All: 461.737+/-306.364 χ^2/NDF : 40.0/38

- sign 463.066+/-428.896 χ^2/NDF : 16.7/20

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.6/15

Left Out: 1290.238+/-0.716 χ^2/NDF : 387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.5/18

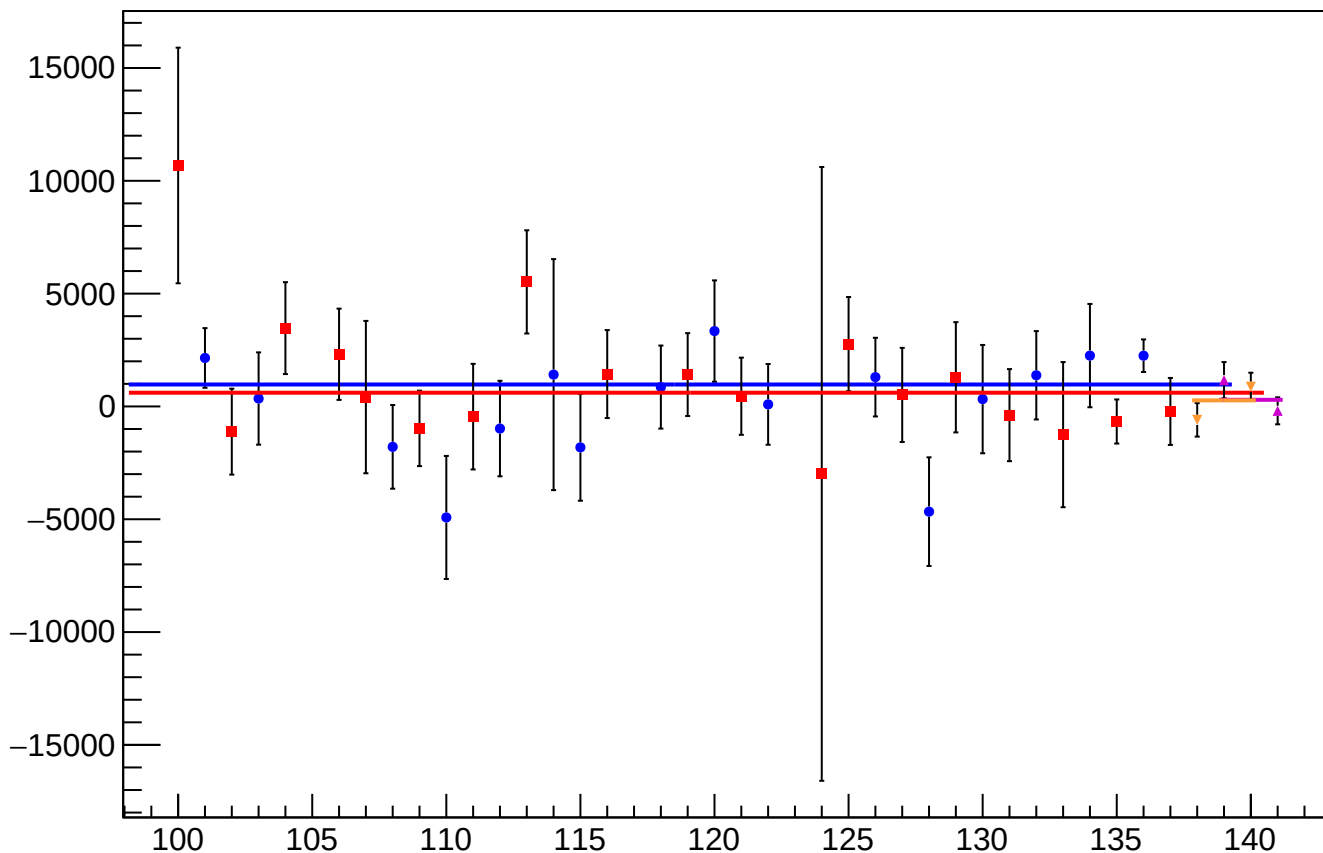
Left In: 1291.898+/-0.694 χ^2/NDF : 329.8/1

+ sign 1283.026+/-0.310 χ^2/NDF : 507590.3/17

All: 1281.344+/-0.217 χ^2/NDF : 728871.1/38

- sign 1279.730+/-0.303 χ^2/NDF : 221222.9/20

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 972.281 $\pm$ 425.220 χ^2 /NDF: 20.4/15

Left Out: 268.810 $\pm$ 476.631 χ^2 /NDF:2.3/1

Right Out: 608.441 $\pm$ 447.736 χ^2 /NDF: 17.1/18

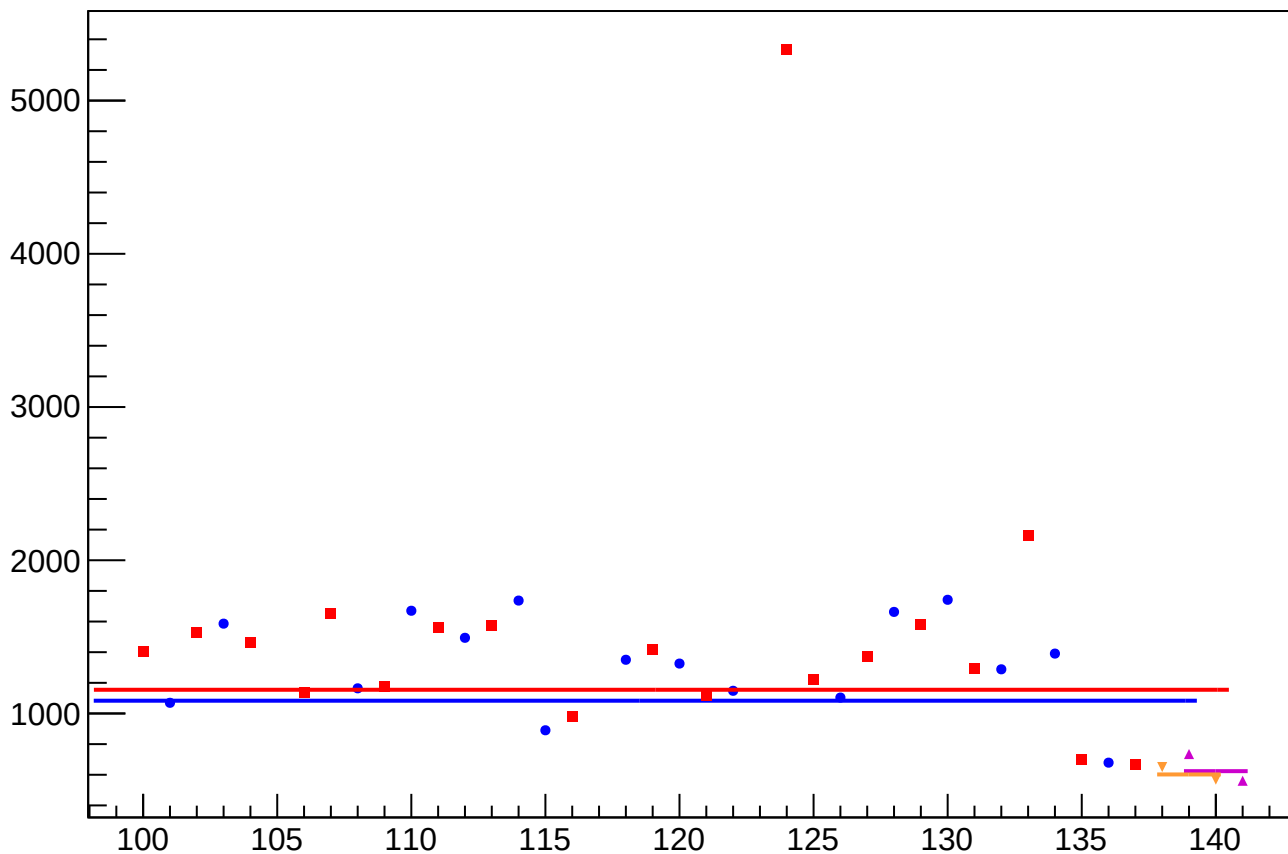
Left In: 294.202 $\pm$ 479.505 χ^2 /NDF:1.9/1

+ sign 660.518 $\pm$ 317.301 χ^2 /NDF: 24.0/17

All: 564.359 $\pm$ 227.803 χ^2 /NDF: 43.4/38

- sign 462.075 $\pm$ 327.252 χ^2 /NDF: 19.2/20

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

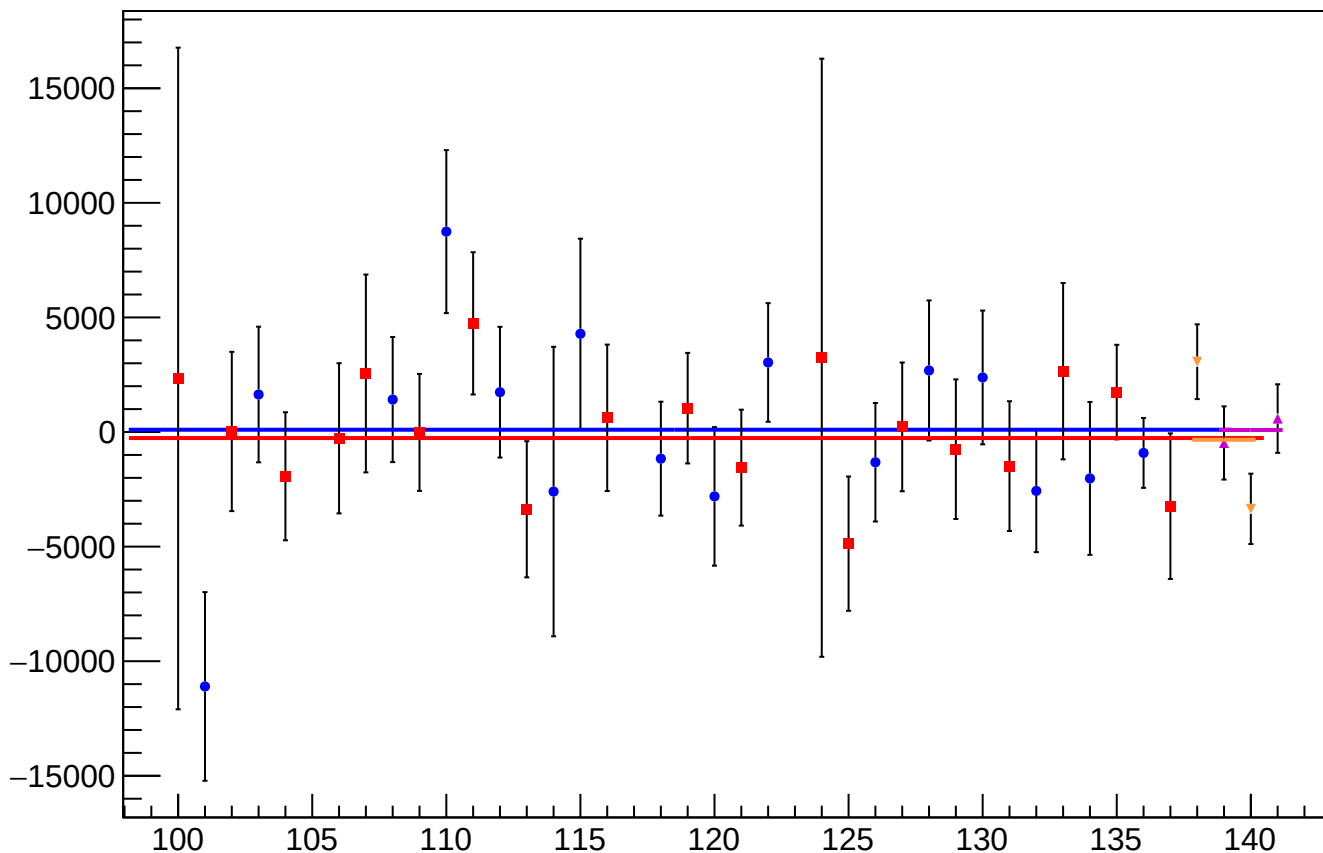
Left In: 623.564+/-0.339 χ^2 /NDF:60777.2/1

+ sign 870.052+/-0.224 χ^2 /NDF: 2509930.0/17

All: 888.113+/-0.161 χ^2 /NDF: 5383410.1/38

- sign 907.325+/-0.231 χ^2 /NDF: 2860107.2/20

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

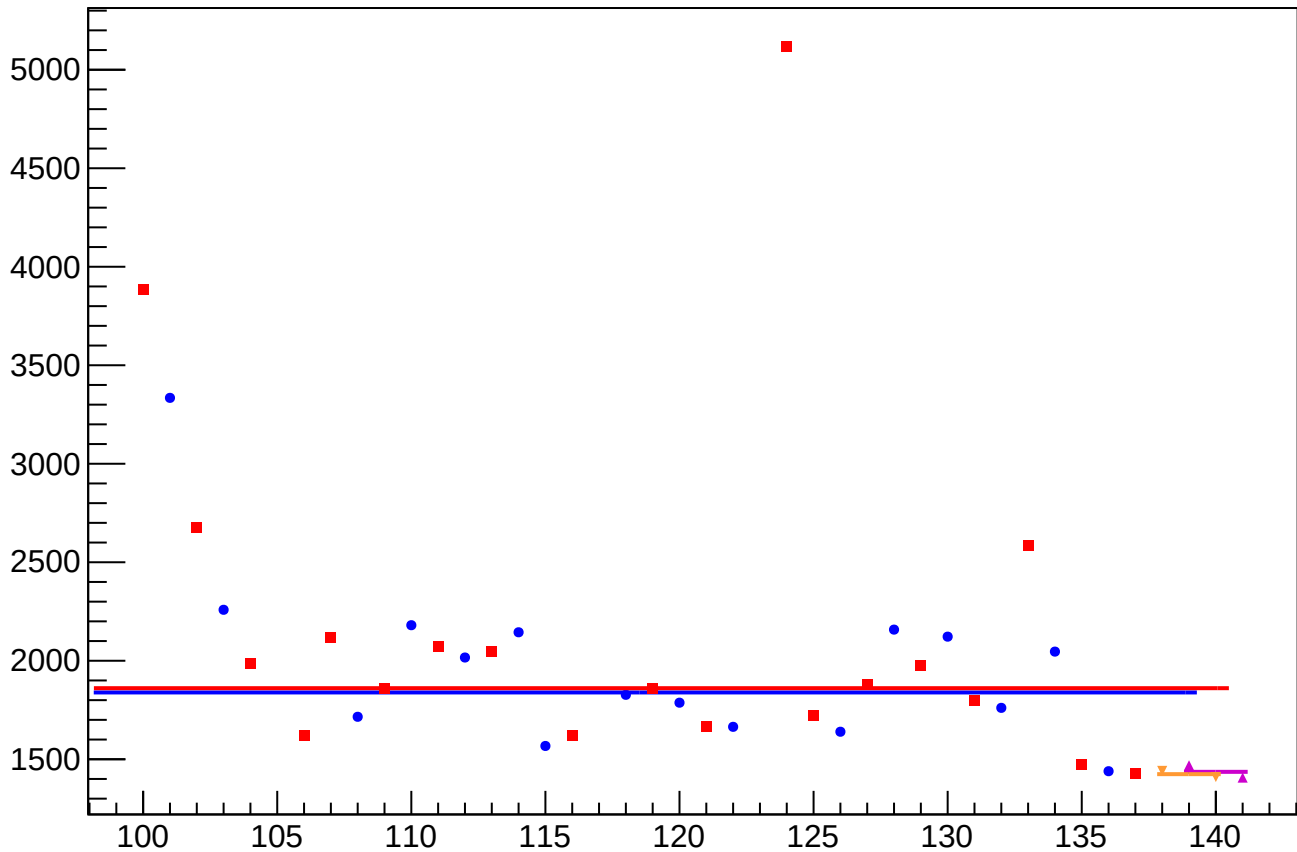
Left In: 90.169 $\pm$ 1091.699 χ^2 /NDF:0.2/1

+ sign -22.401 $\pm$ 592.691 χ^2 /NDF: 29.6/17

All: -91.603 $\pm$ 417.822 χ^2 /NDF: 40.3/38

- sign -159.970 $\pm$ 589.104 χ^2 /NDF: 10.6/20

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF : 385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

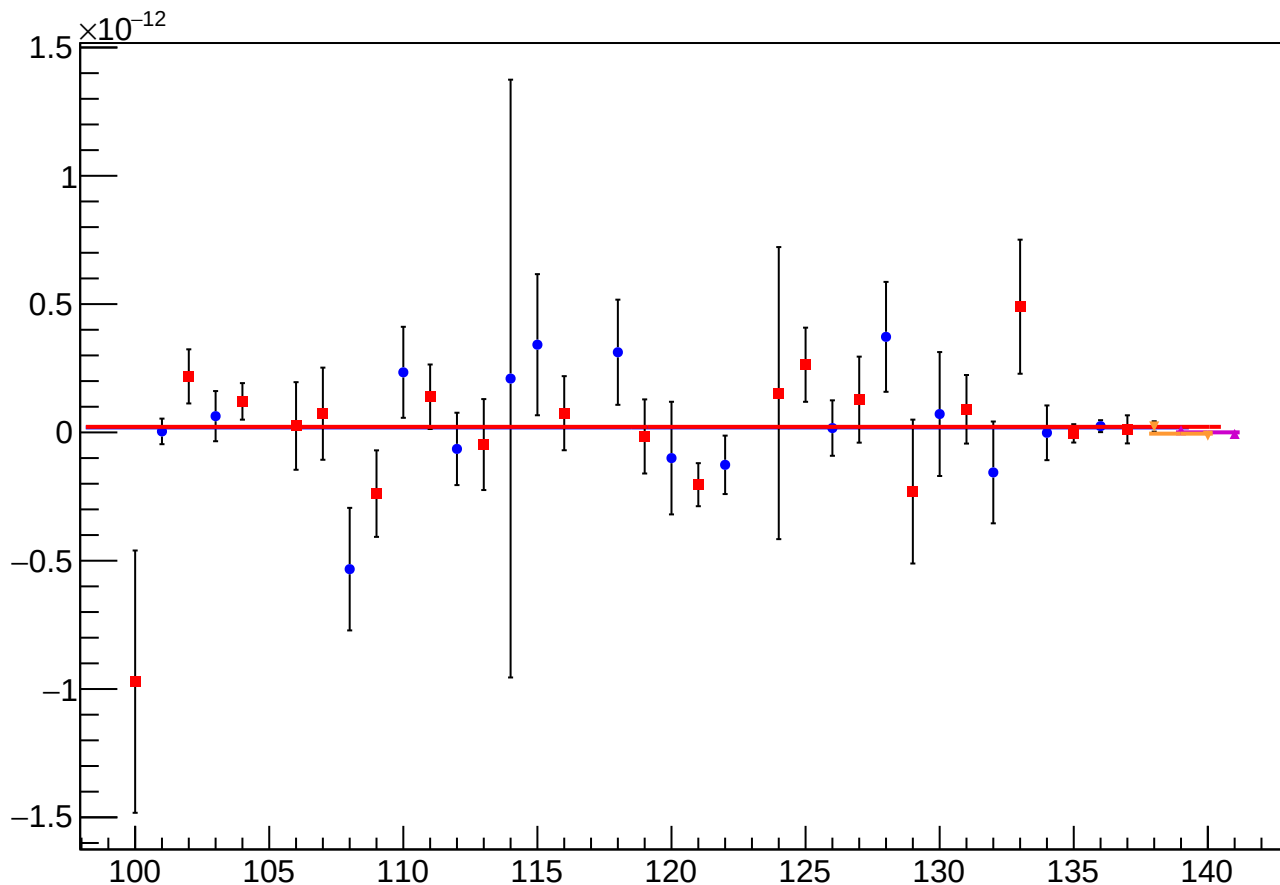
Left In: 1436.114+/-0.772 χ^2/NDF : 1630.3/1

+ sign 1722.567+/-0.419 χ^2/NDF : 754979.0/17

All: 1729.880+/-0.295 χ^2/NDF : 1493813.9/38

- sign 1737.105+/-0.417 χ^2/NDF : 738229.7/20

asym_atl_dd_atr_dd_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: 2.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/18

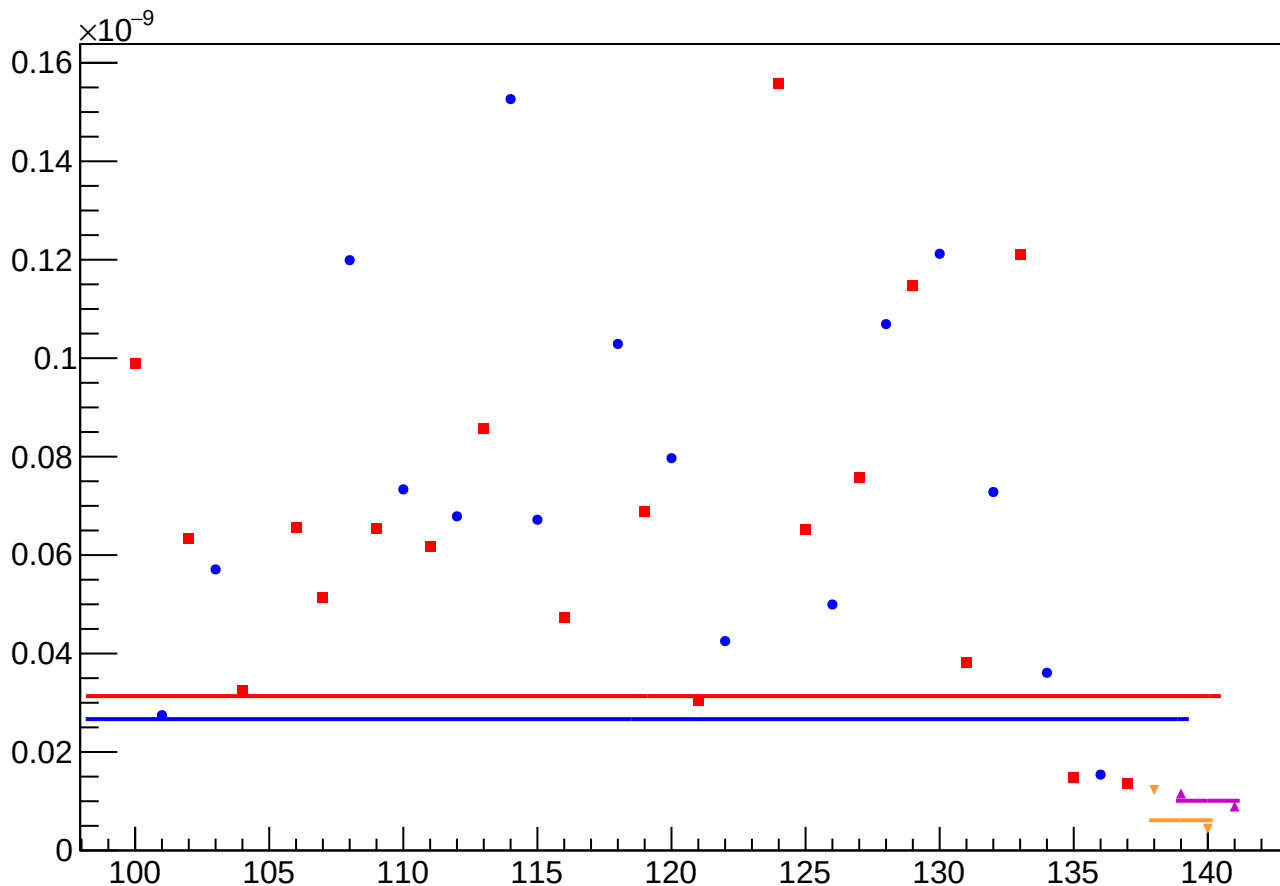
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/17

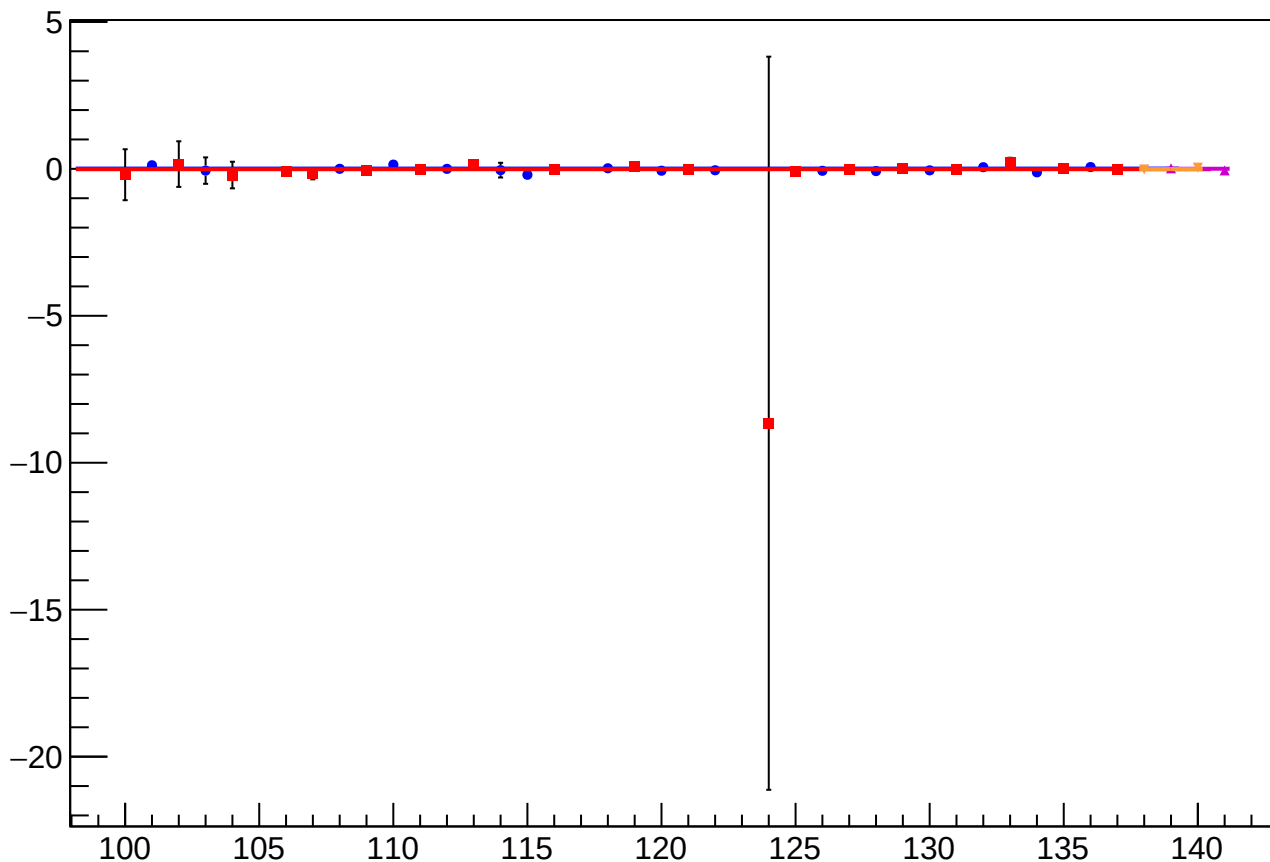
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.6/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/20

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



asym_atl_dd_atr_dd_dd_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

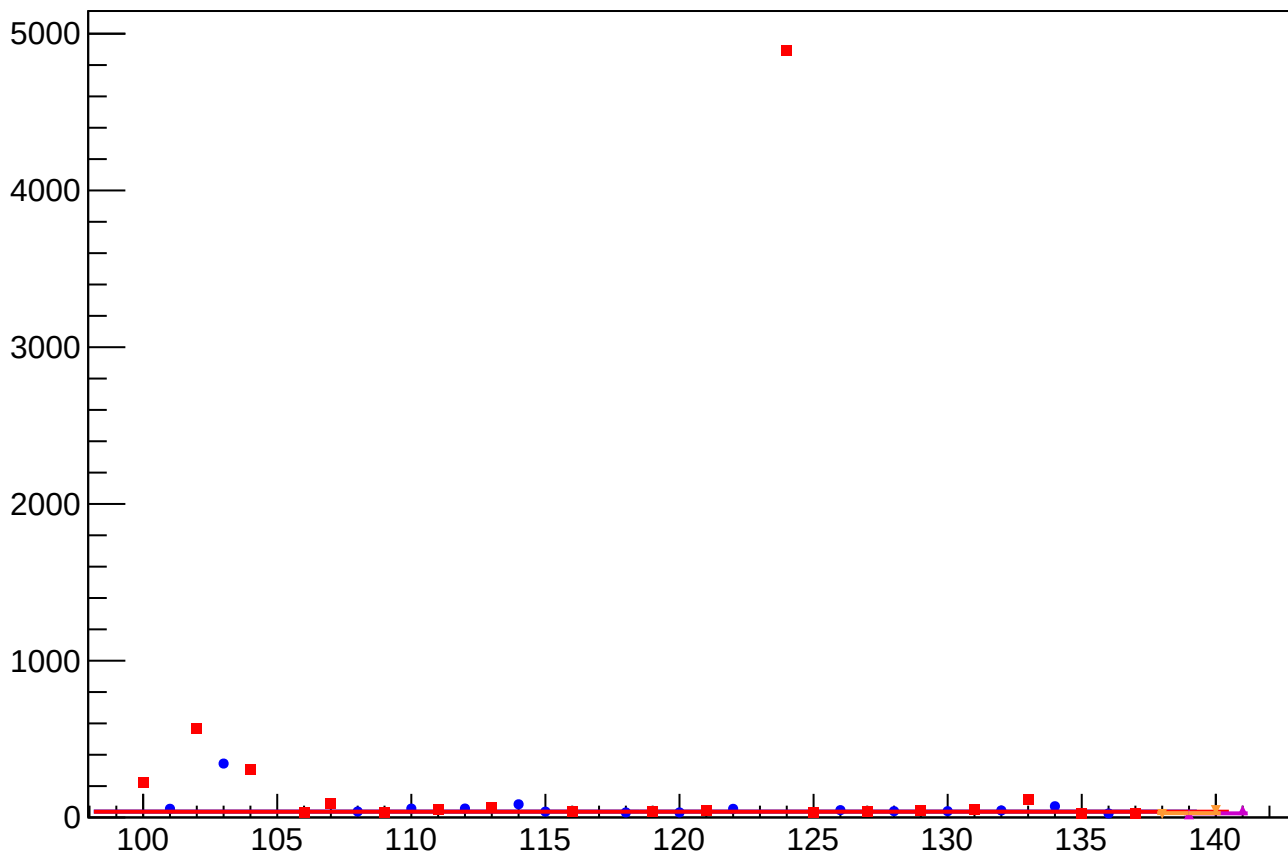
Left In: 0.003 $\pm$ 0.024 χ^2/NDF : 1.4/1

+ sign 0.003 $\pm$ 0.014 χ^2/NDF : 20.6/17

All: -0.002 $\pm$ 0.010 χ^2/NDF : 35.3/38

- sign -0.007 $\pm$ 0.014 χ^2/NDF : 14.3/20

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 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

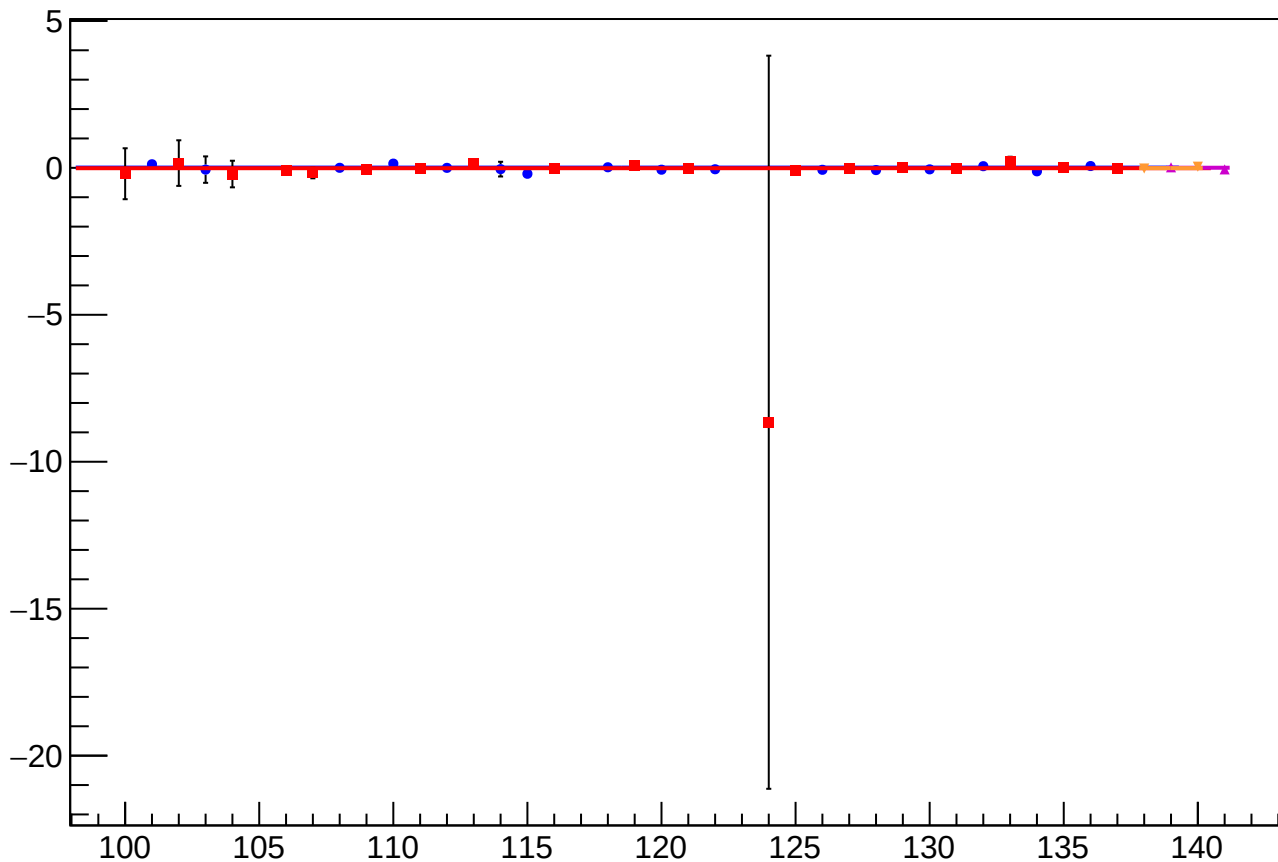
Left In: 26.130 $\pm$ 0.017 χ^2 /NDF: 417356.7/1

+ sign 34.622 $\pm$ 0.010 χ^2 /NDF: 2542079.3/17

All: 33.997 $\pm$ 0.007 χ^2 /NDF: 6421260.9/38

- sign 33.359 $\pm$ 0.010 χ^2 /NDF: 3870597.1/20

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

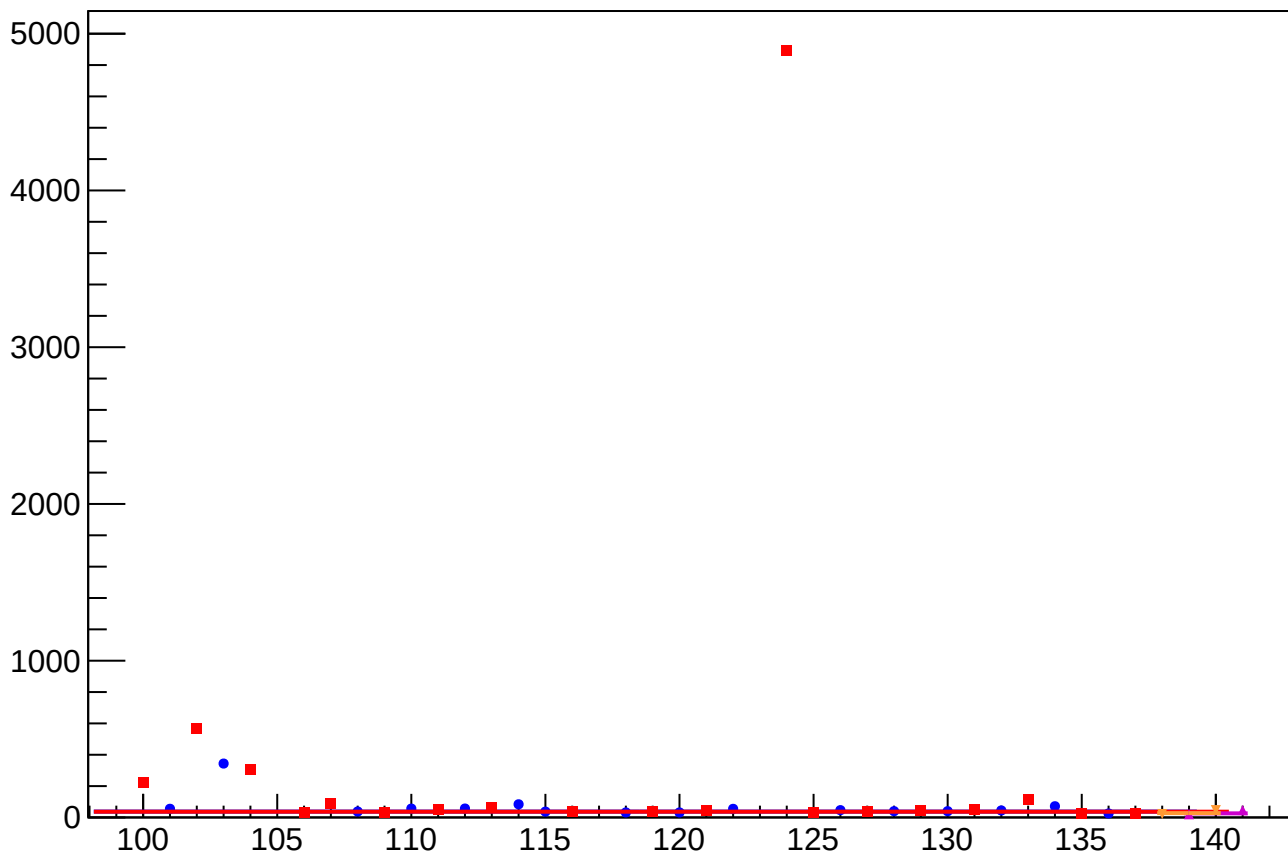
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.002 ± 0.010 χ^2/NDF : 35.3/38

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

asym_atl_dd_atr_dd_dd_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

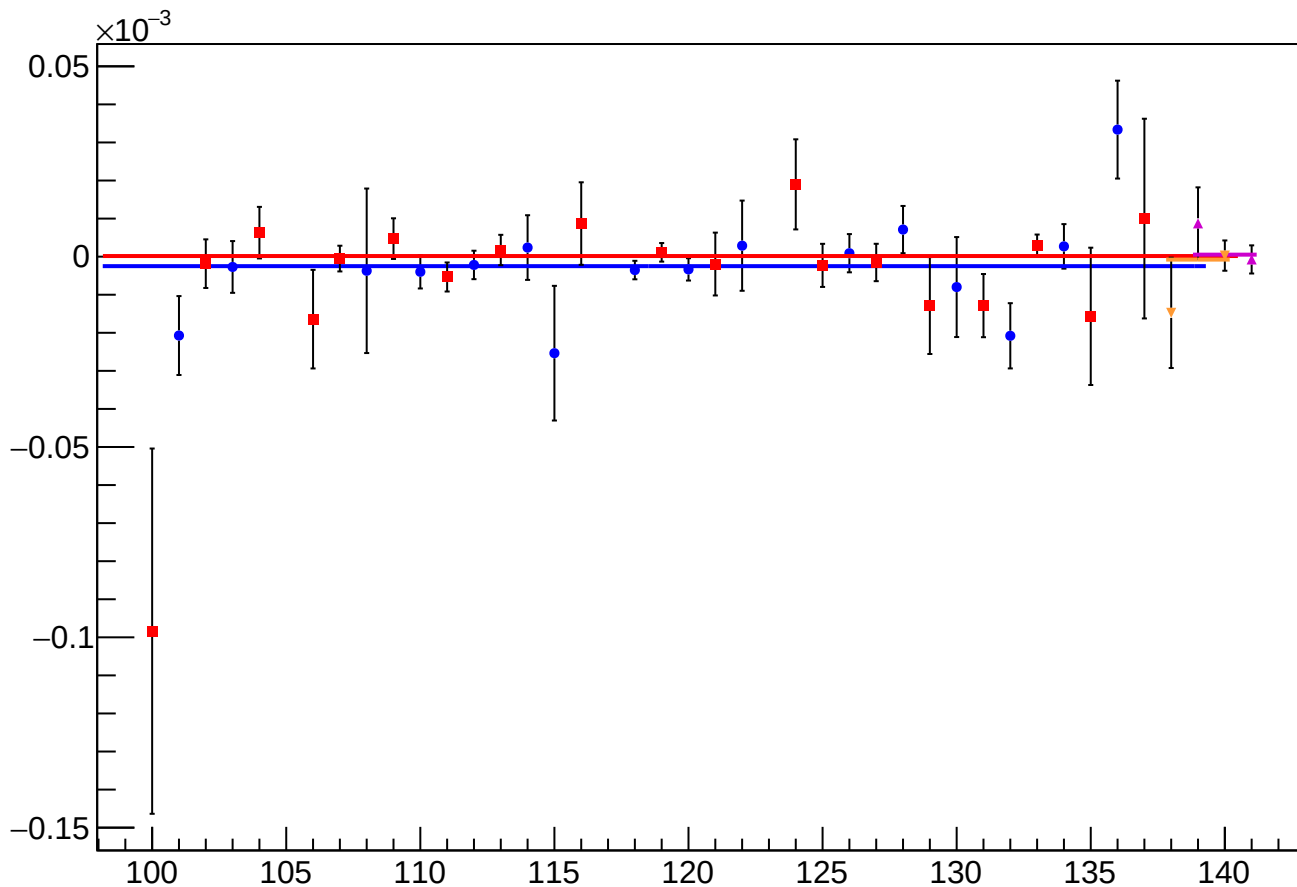
Left In: 26.130 $\pm$ 0.017 χ^2 /NDF: 417356.7/1

+ sign 34.622 $\pm$ 0.010 χ^2 /NDF: 2542079.3/17

All: 33.997 $\pm$ 0.007 χ^2 /NDF: 6421260.9/38

- sign 33.359 $\pm$ 0.010 χ^2 /NDF: 3870597.1/20

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

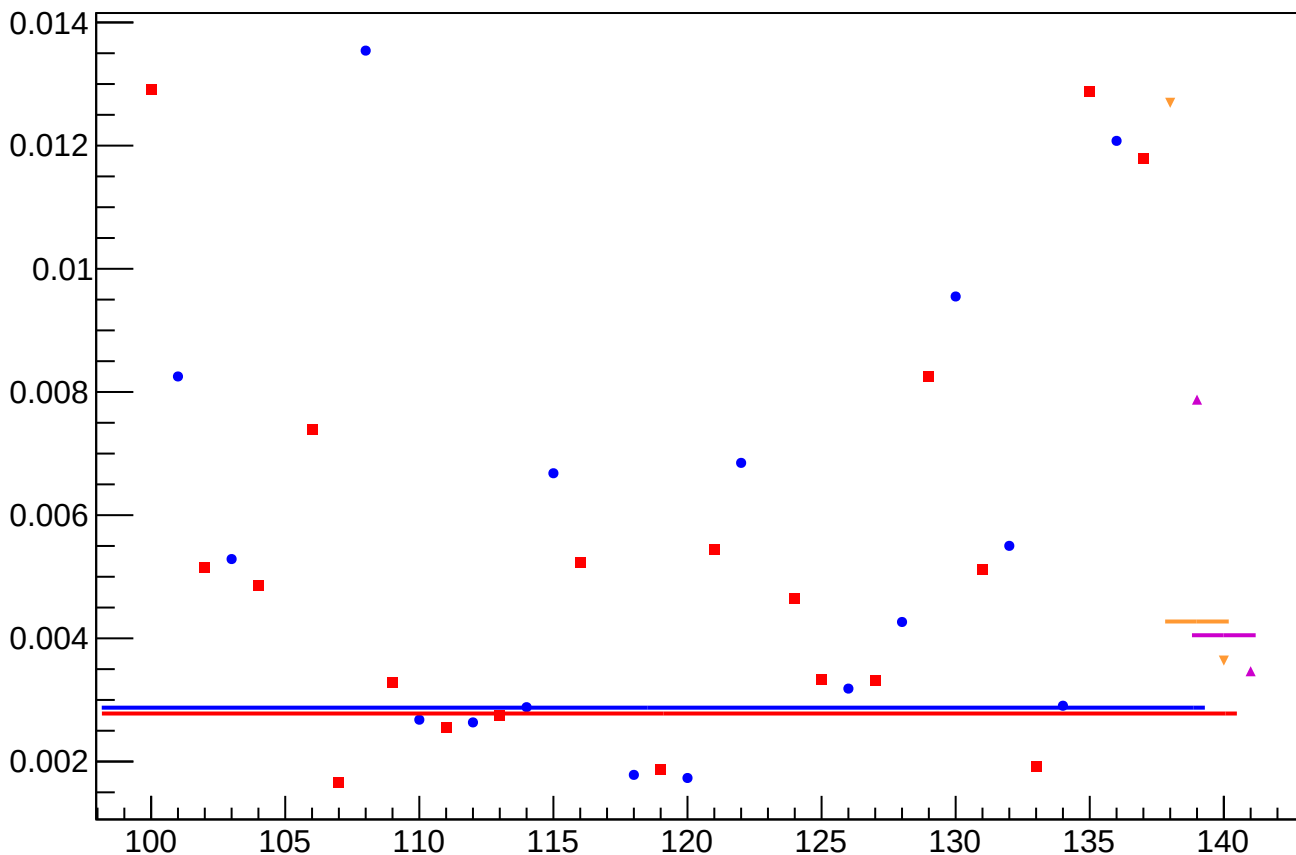
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

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

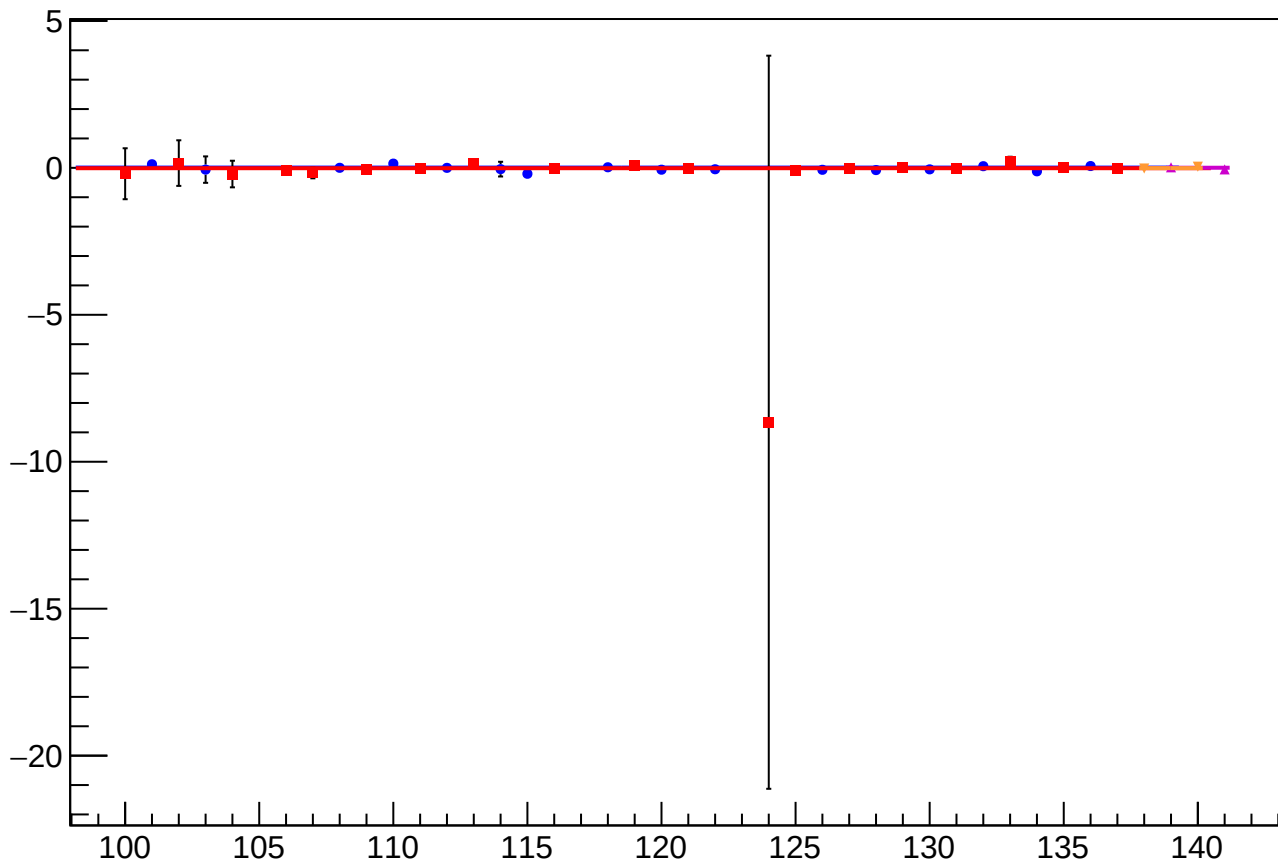
Left In: 0.004+/-0.000 χ^2/NDF : 377253.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 5116632.6/17

All: 0.003+/-0.000 χ^2/NDF : 9057720.3/38

- sign 0.003+/-0.000 χ^2/NDF : 3932658.3/20

asym_atl_dd_atr_dd_dd_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

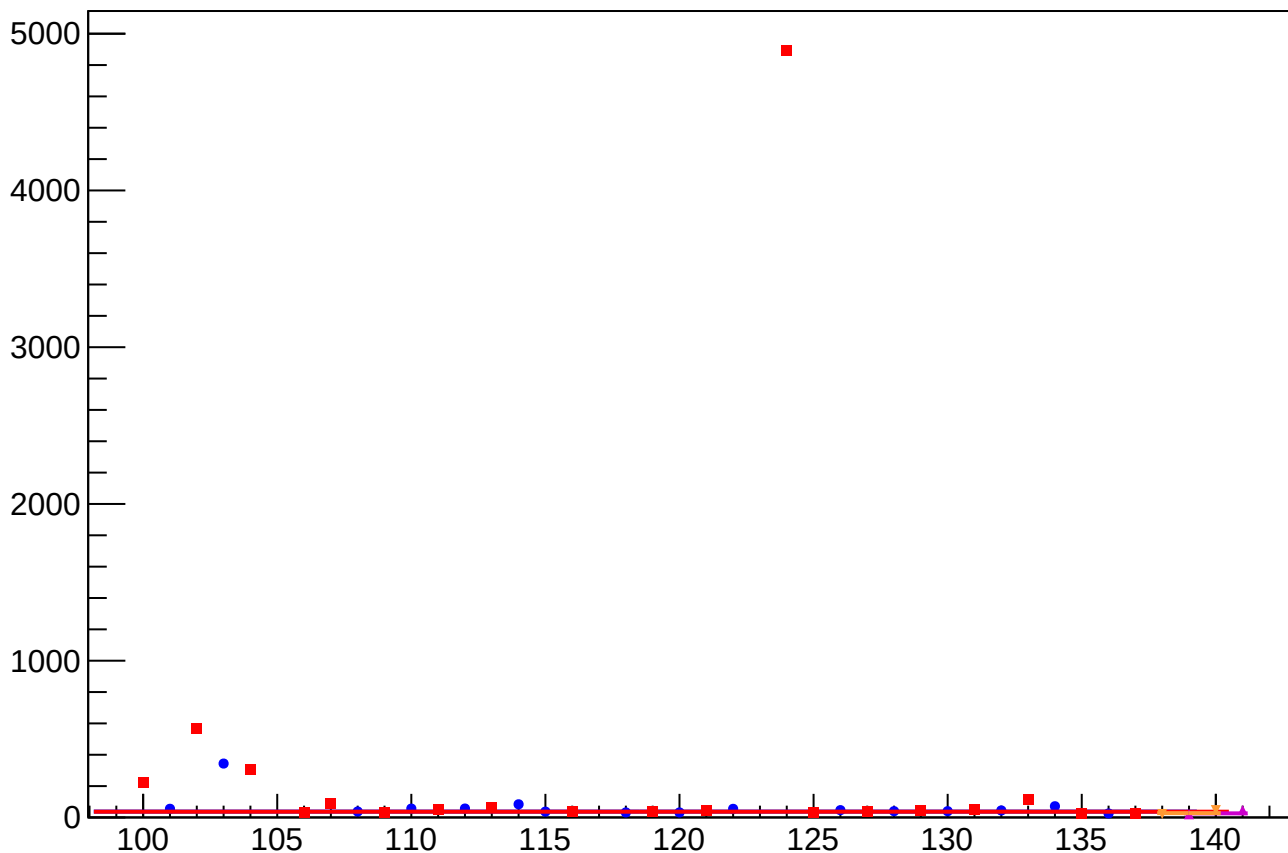
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.002 ± 0.010 χ^2/NDF : 35.3/38

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

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

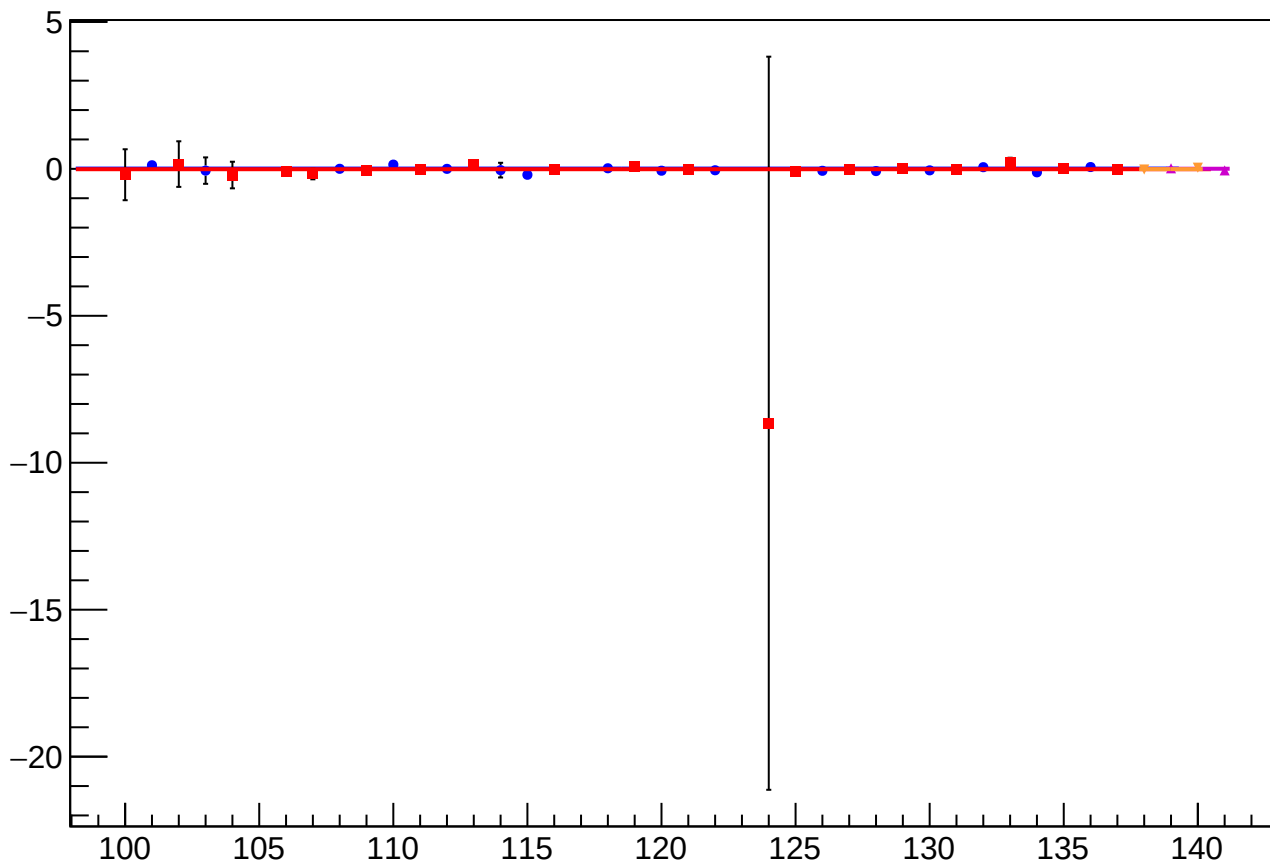
Left In: 26.140 $\pm$ 0.017 χ^2 /NDF: 417082.2/1

+ sign 34.620 $\pm$ 0.010 χ^2 /NDF: 2542446.2/17

All: 33.999 $\pm$ 0.007 χ^2 /NDF: 6420484.6/38

- sign 33.364 $\pm$ 0.010 χ^2 /NDF: 3869541.2/20

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 $\chi^2/\text{NDF}: 19.3/15$

Left Out: -0.009 ± 0.025 $\chi^2/\text{NDF}: 1.0/1$

Right Out: -0.013 ± 0.017 $\chi^2/\text{NDF}: 12.6/18$

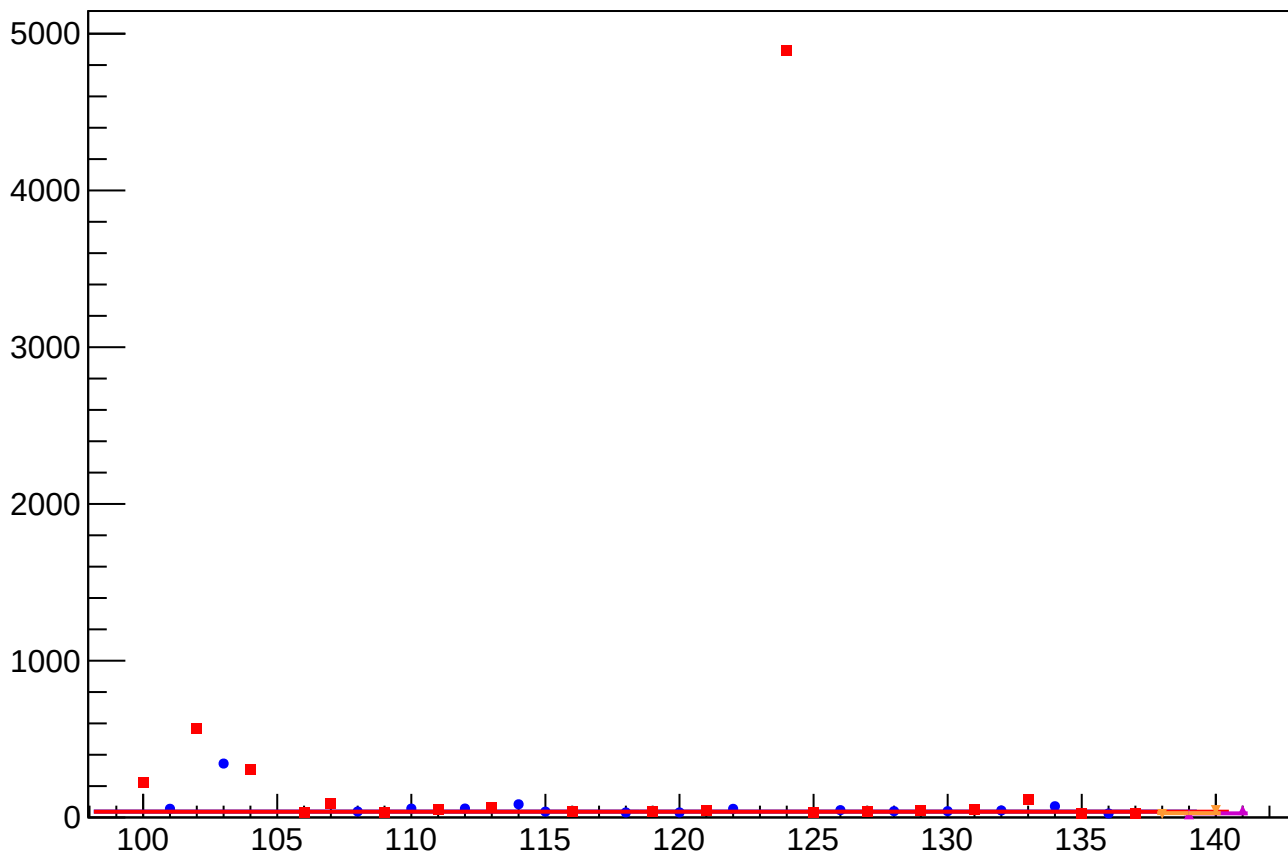
Left In: 0.003 ± 0.024 $\chi^2/\text{NDF}: 1.4/1$

+ sign 0.003 ± 0.014 $\chi^2/\text{NDF}: 20.6/17$

All: -0.002 ± 0.010 $\chi^2/\text{NDF}: 35.3/38$

- sign -0.007 ± 0.014 $\chi^2/\text{NDF}: 14.3/20$

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF : 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF : 337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF : 3190400.7/18

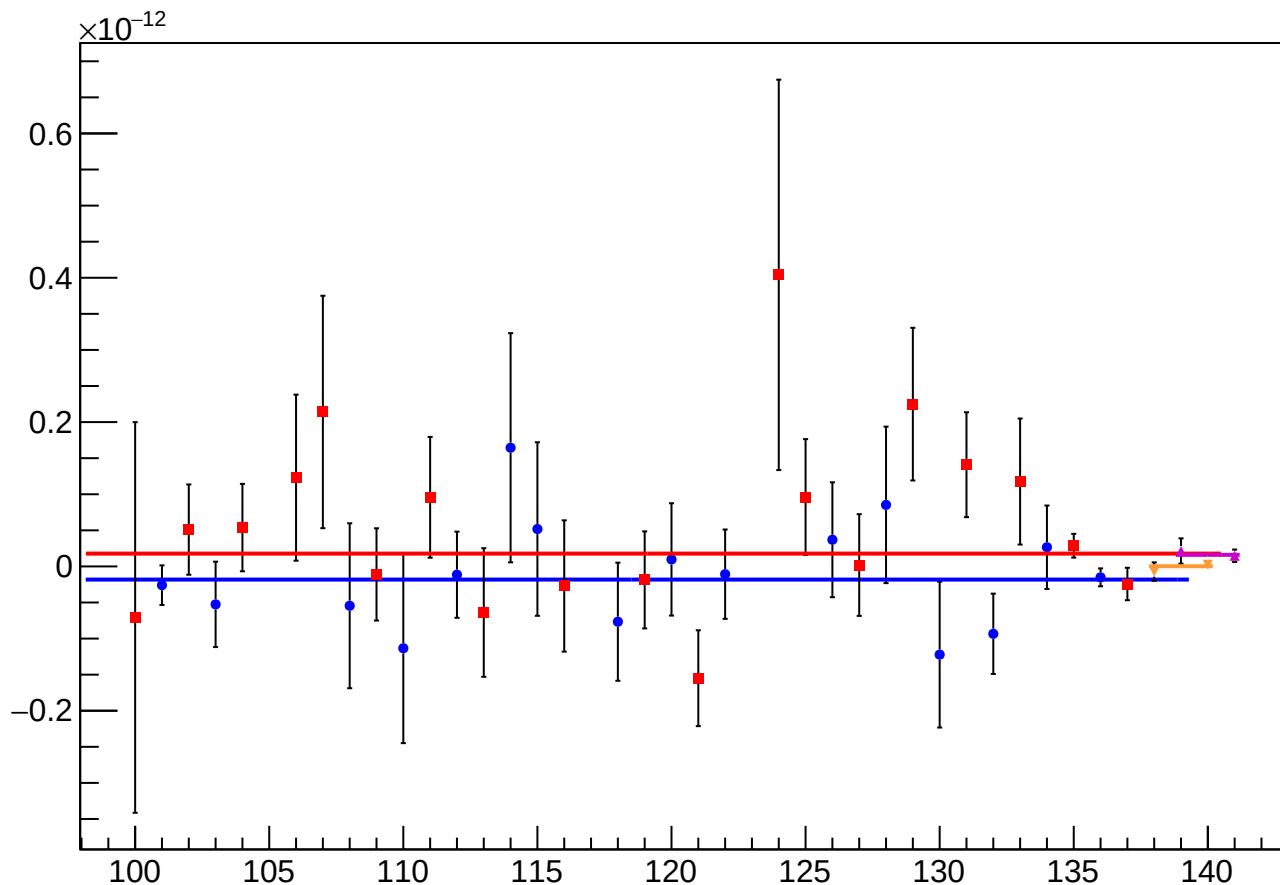
Left In: 26.140+/-0.017 χ^2/NDF : 417082.2/1

+ sign 34.620+/-0.010 χ^2/NDF : 2542446.2/17

All: 33.999+/-0.007 χ^2/NDF : 6420484.6/38

- sign 33.364+/-0.010 χ^2/NDF : 3869541.2/20

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

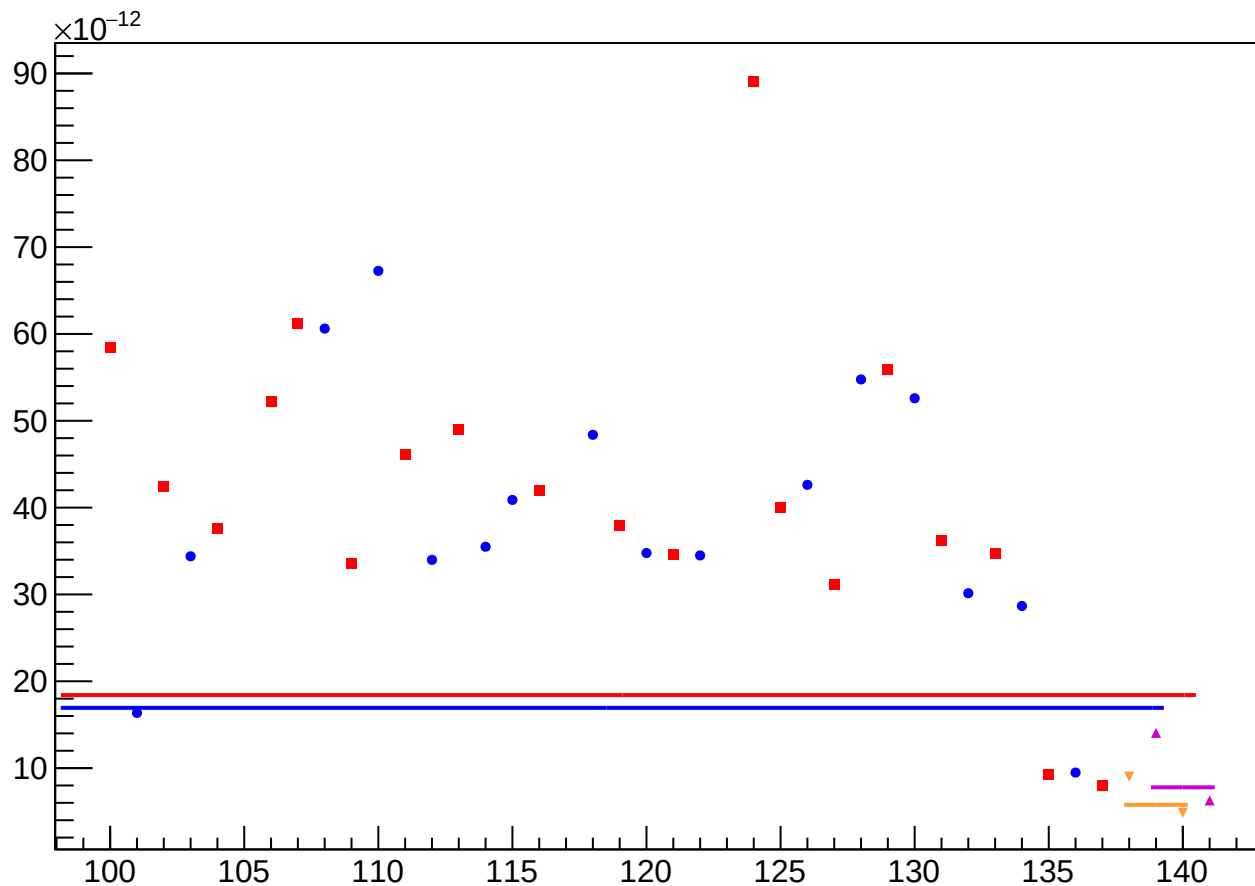
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 11.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.5/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/20

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

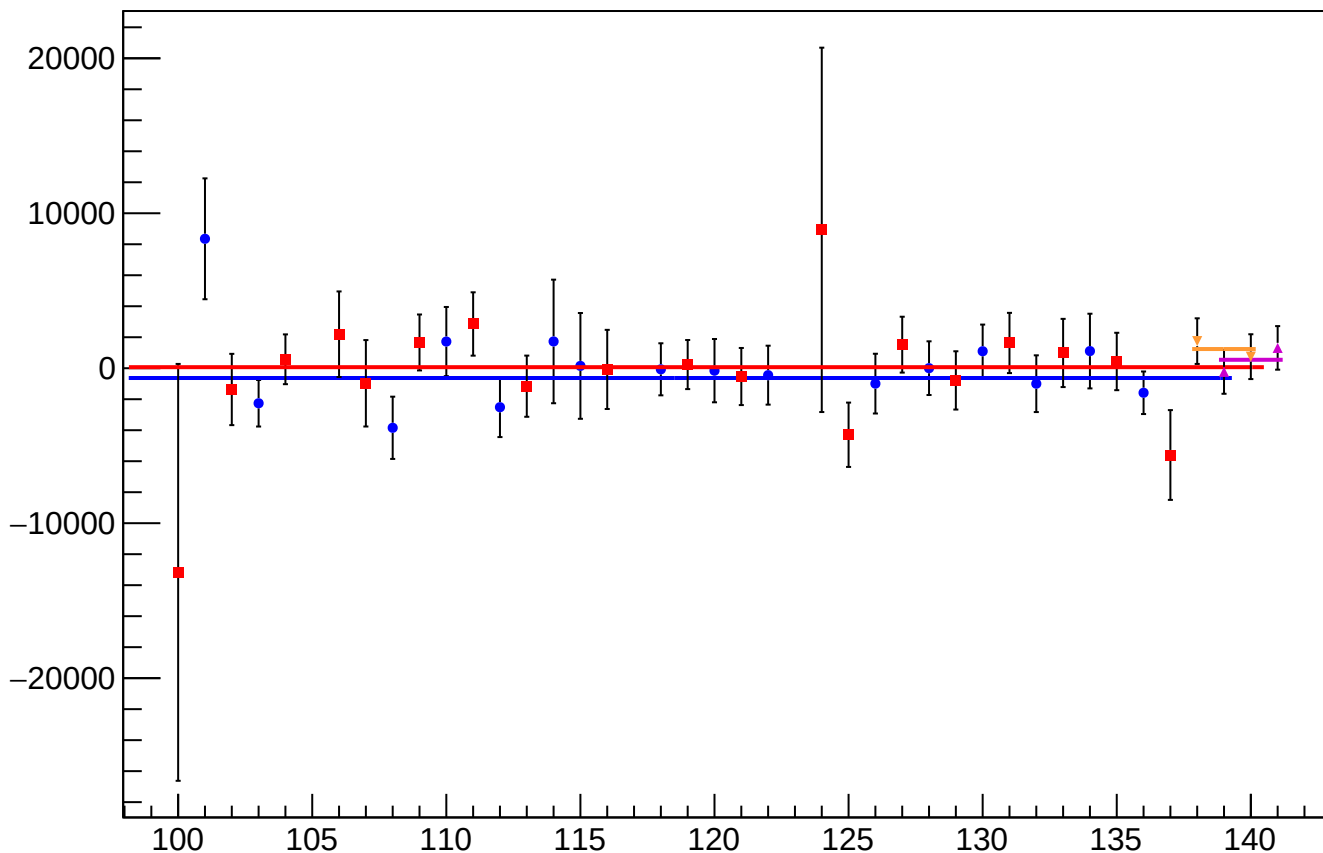
Left In: 0.000+/-0.000 χ^2/NDF :316105.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 5237835.6/17

All: 0.000+/-0.000 χ^2/NDF : 10664000.0/38

- sign 0.000+/-0.000 χ^2/NDF : 5230849.0/20

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 1238.687 ± 1031.611 χ^2/NDF : 0.2/1

Right Out: 67.642 ± 487.761 χ^2/NDF : 15.9/18

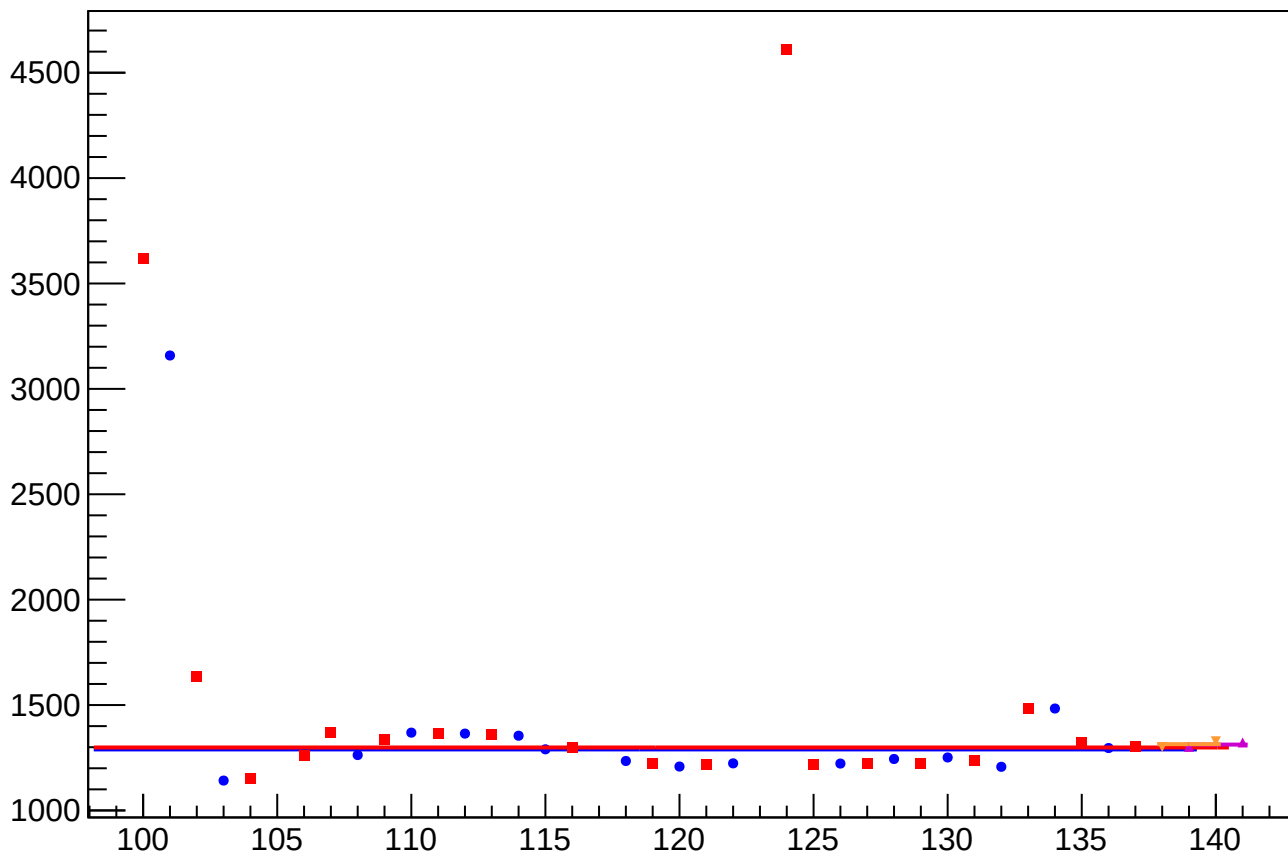
Left In: 544.636 ± 997.379 χ^2/NDF : 0.6/1

+ sign -288.393 ± 441.622 χ^2/NDF : 16.8/17

All: -62.586 ± 311.046 χ^2/NDF : 34.0/38

- sign 159.704 ± 438.170 χ^2/NDF : 16.7/20

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF : 319374.9/18

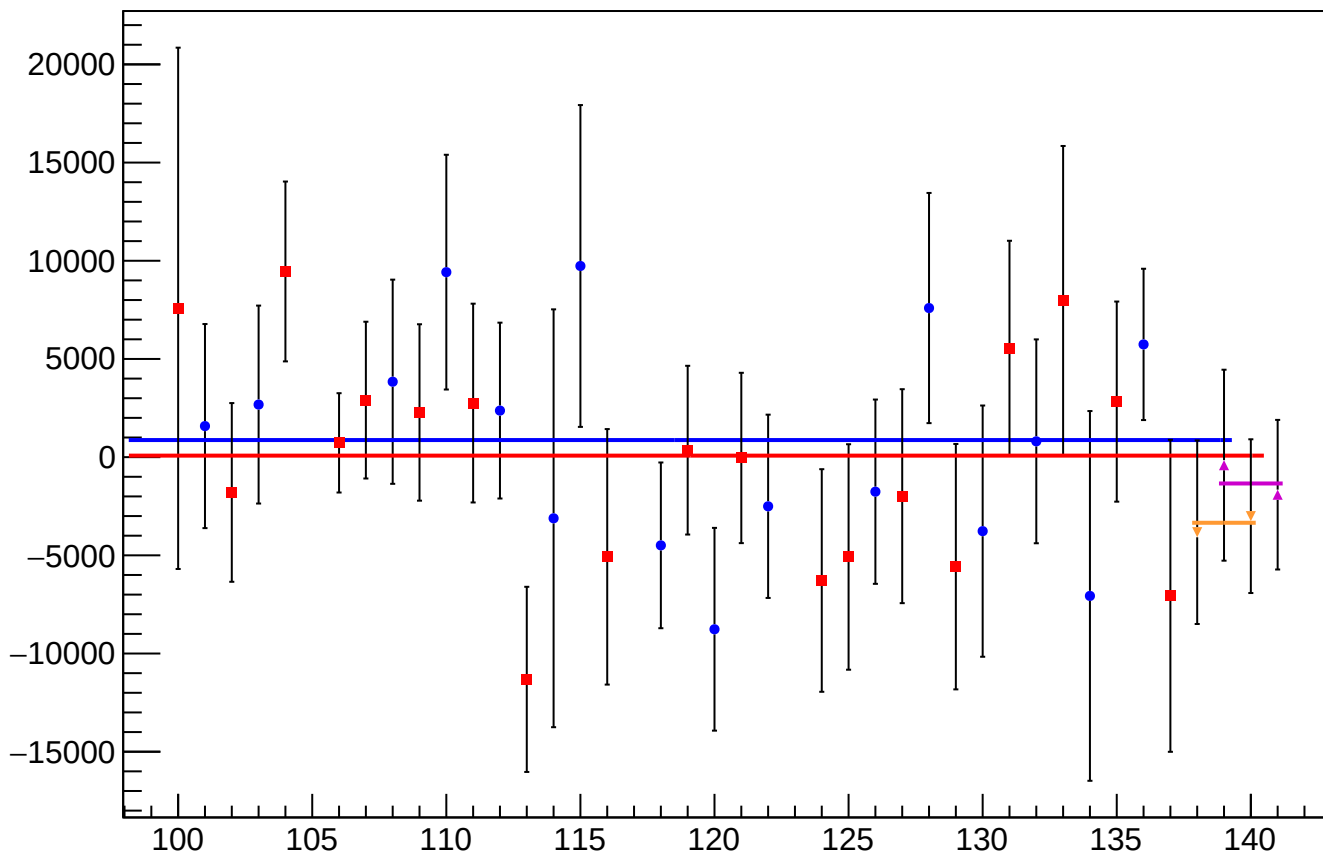
Left In: 1312.384+/-0.705 χ^2/NDF : 216.7/1

+ sign 1294.033+/-0.312 χ^2/NDF : 515981.5/17

All: 1297.700+/-0.220 χ^2/NDF : 836152.2/38

- sign 1301.294+/-0.309 χ^2/NDF : 319897.7/20

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

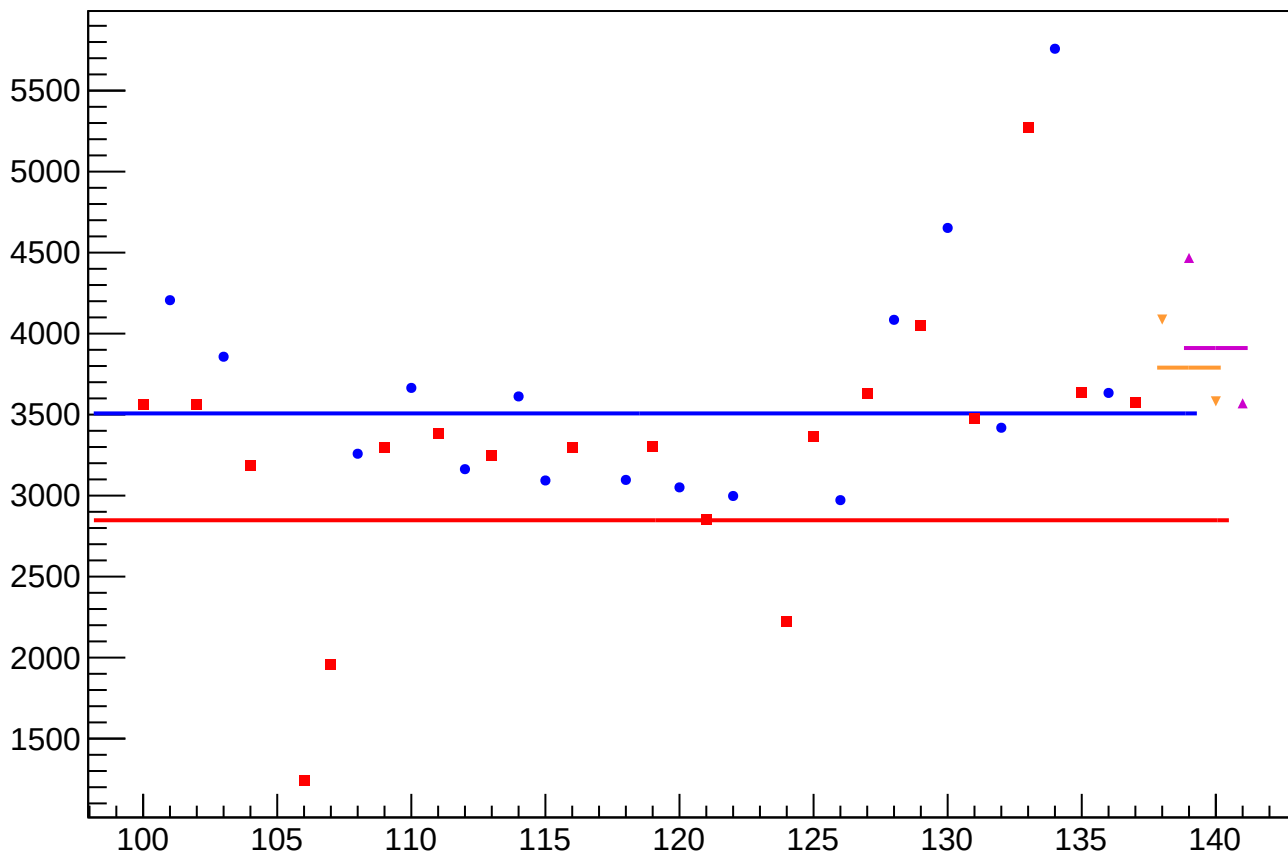
Left In: -1340.957 $\pm$ 2998.457 χ^2 /NDF: 0.1/1

+ sign 182.842 $\pm$ 1212.320 χ^2 /NDF: 15.7/17

All: 23.658 $\pm$ 790.154 χ^2 /NDF: 34.4/38

- sign -93.905 $\pm$ 1041.848 χ^2 /NDF: 18.6/20

asym_at1_avg_at2_avg_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

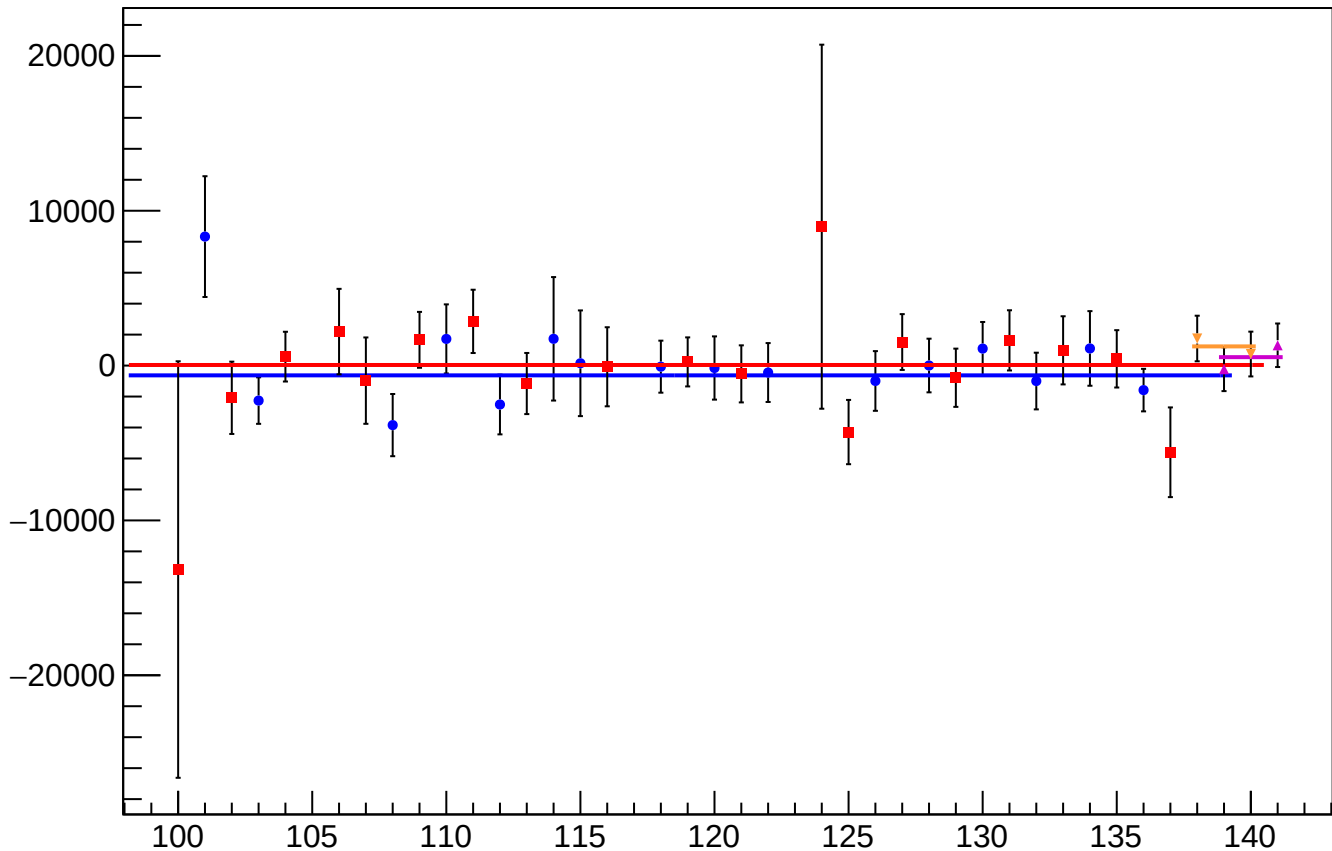
Left In: 3910.991+/-2.120 χ^2/NDF : 42242.3/1

+ sign 3553.520+/-0.857 χ^2/NDF : 382542.1/17

All: 3221.441+/-0.559 χ^2/NDF : 2406133.0/38

- sign 2976.187+/-0.737 χ^2/NDF : 1762697.4/20

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

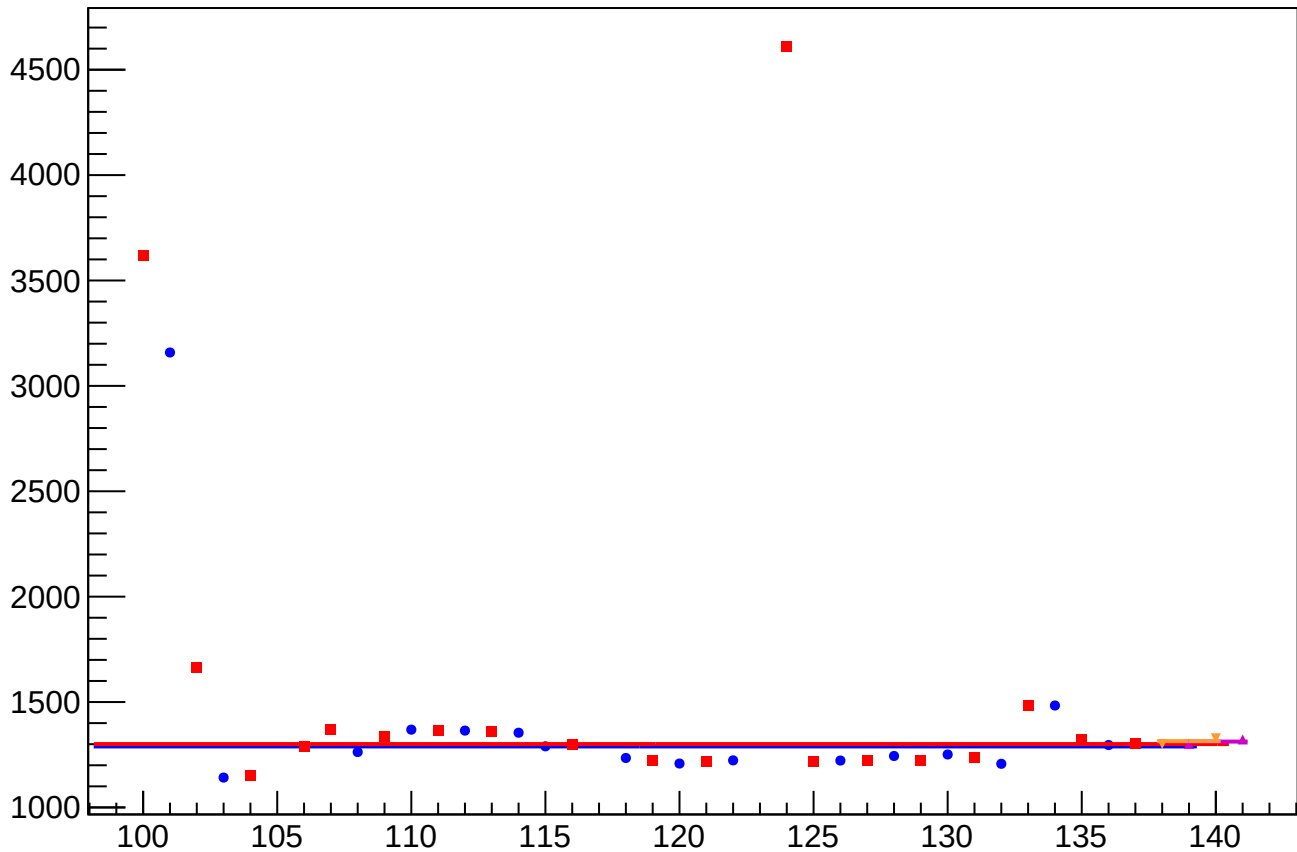
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -74.633+/-311.130 χ^2/NDF : 34.4/38

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466 $\pm$ 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

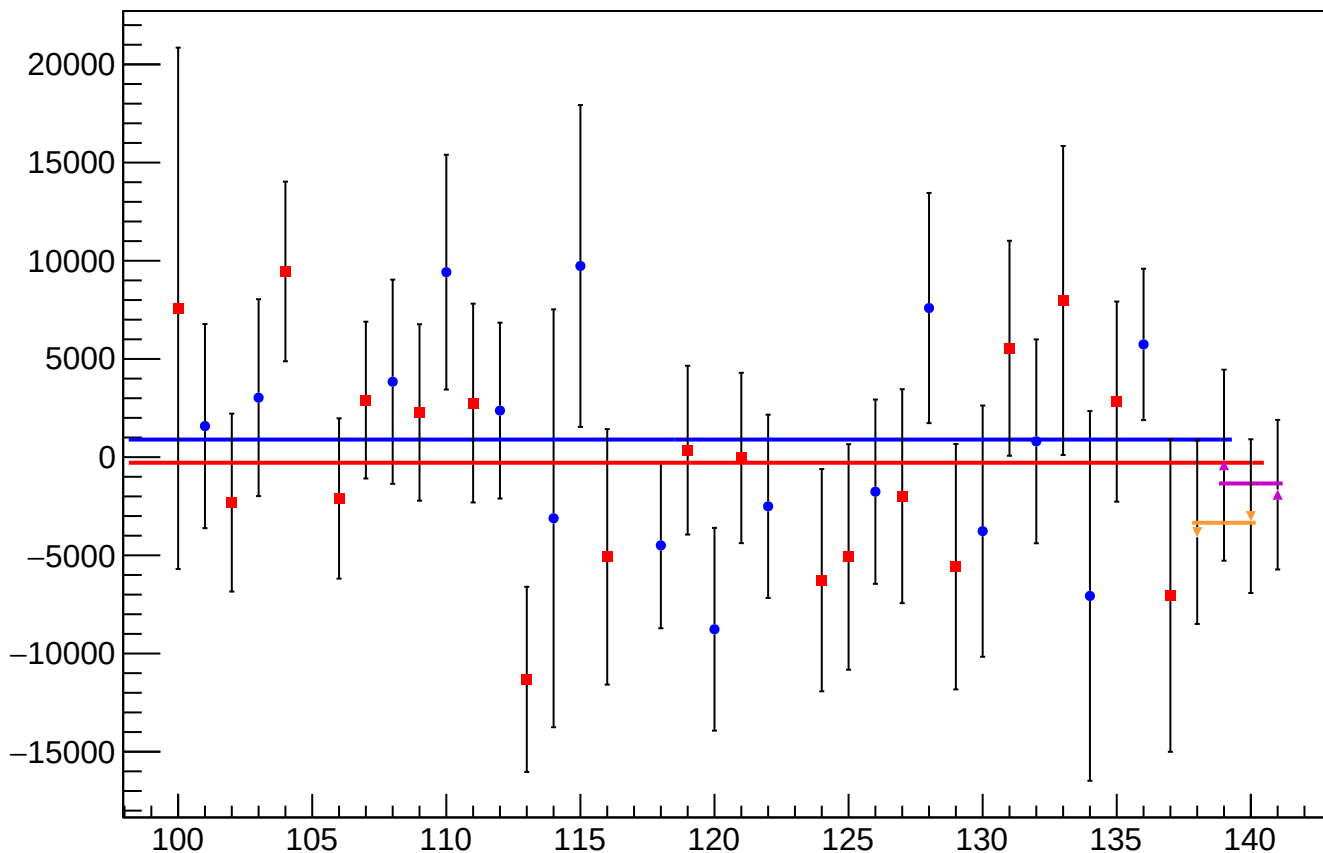
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1298.524 $\pm$ 0.220 χ^2 /NDF: 842739.8/38

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3342.029 ± 3000.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

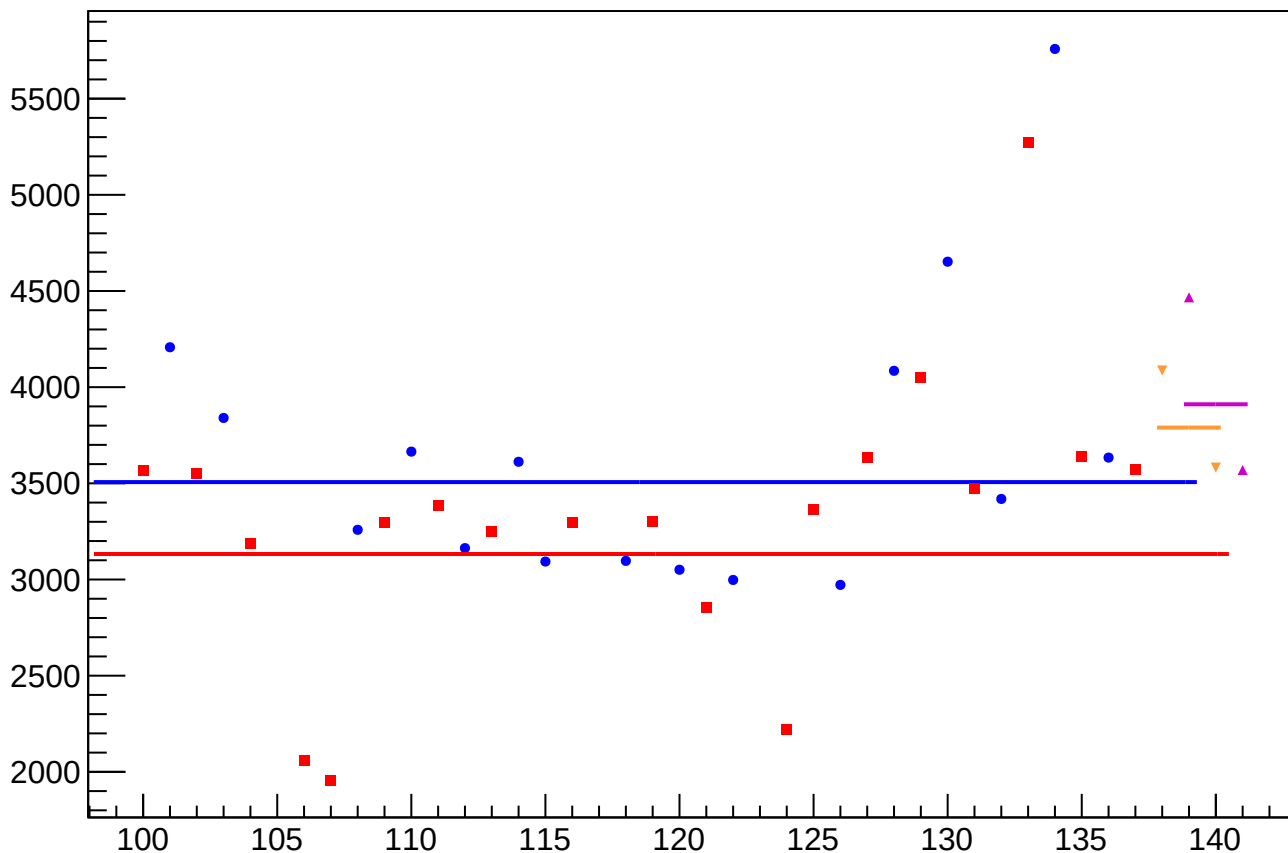
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign 204.754 ± 1211.971 $\chi^2/\text{NDF}: 15.8/17$

All: -141.134 ± 814.771 $\chi^2/\text{NDF}: 34.7/38$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF : 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF :13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

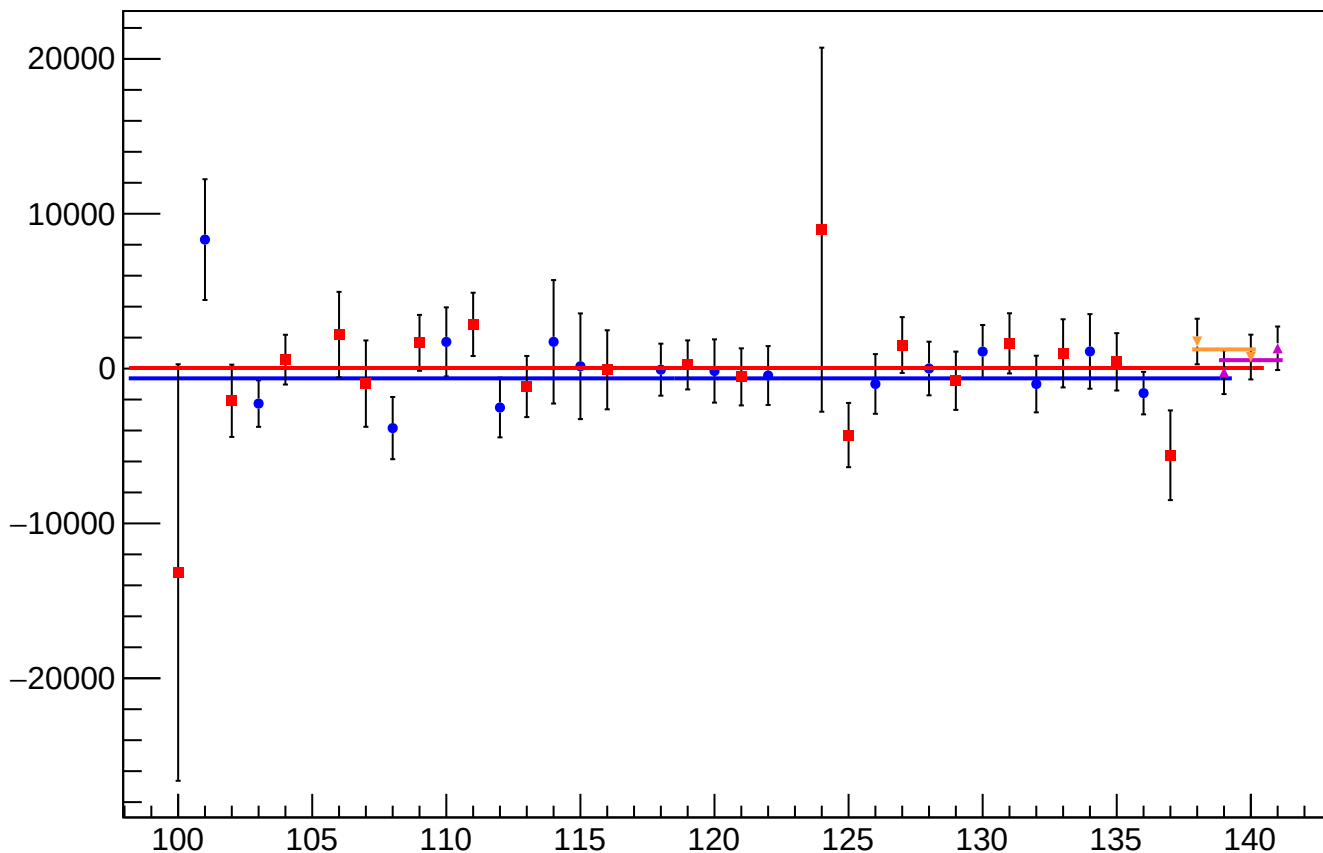
Left In: 3910.982+/-2.120 χ^2/NDF :42241.5/1

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3379.943+/-0.576 χ^2/NDF : 1264547.0/38

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 1238.609 ± 1031.611 χ^2/NDF : 0.2/1

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

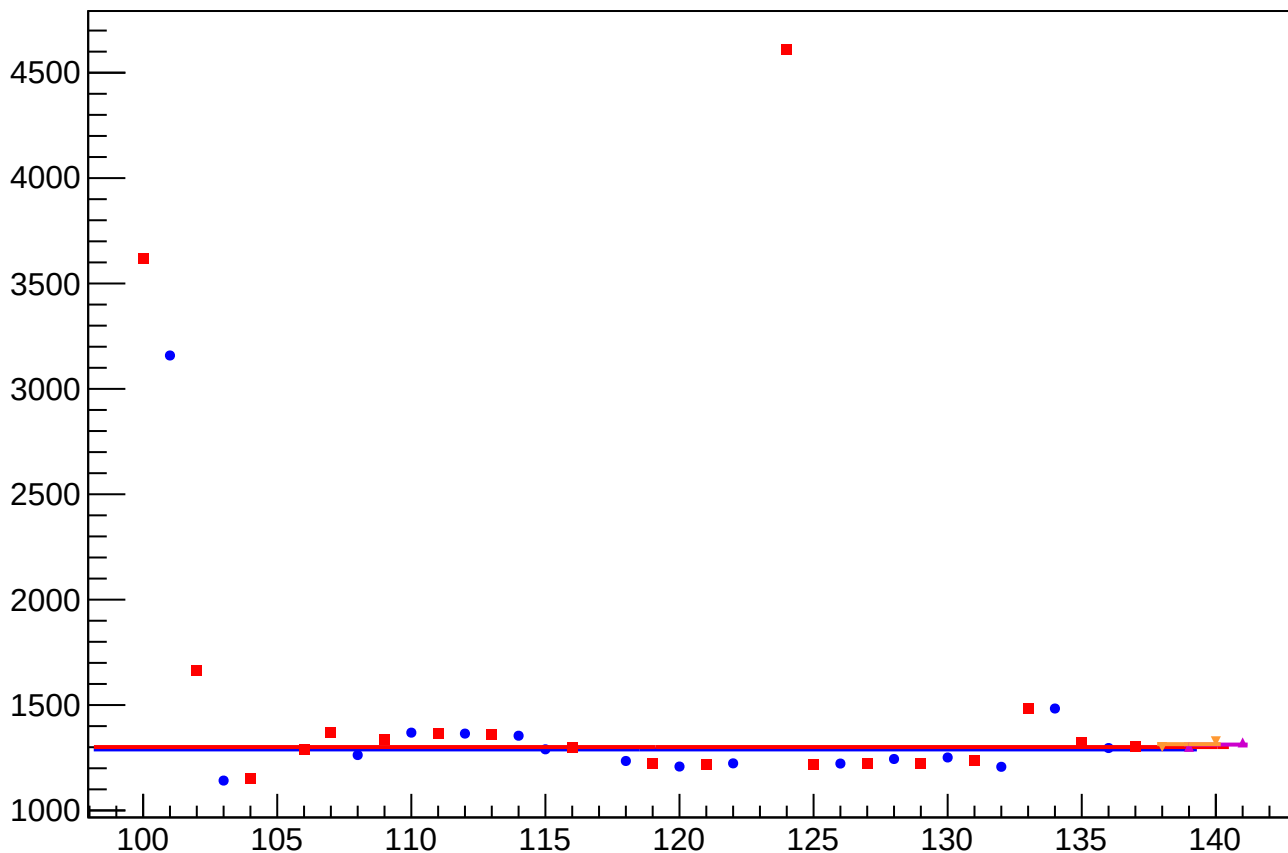
Left In: 544.413 ± 997.379 χ^2/NDF : 0.6/1

+ sign -288.722 ± 441.622 χ^2/NDF : 16.8/17

All: -74.633 ± 311.130 χ^2/NDF : 34.4/38

- sign 136.347 ± 438.404 χ^2/NDF : 17.1/20

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466 $\pm$ 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

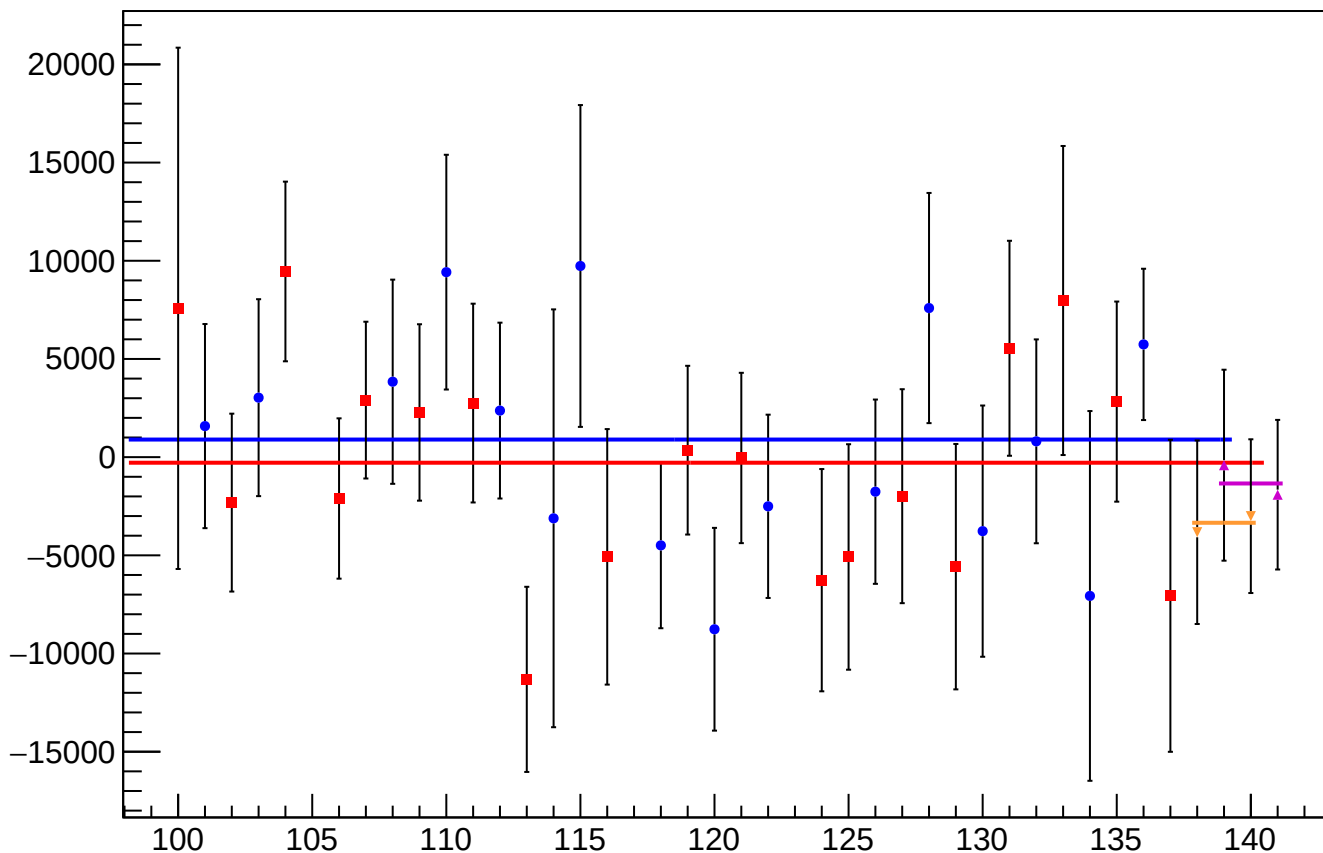
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1298.524 $\pm$ 0.220 χ^2 /NDF: 842739.8/38

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3342.029 ± 3000.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

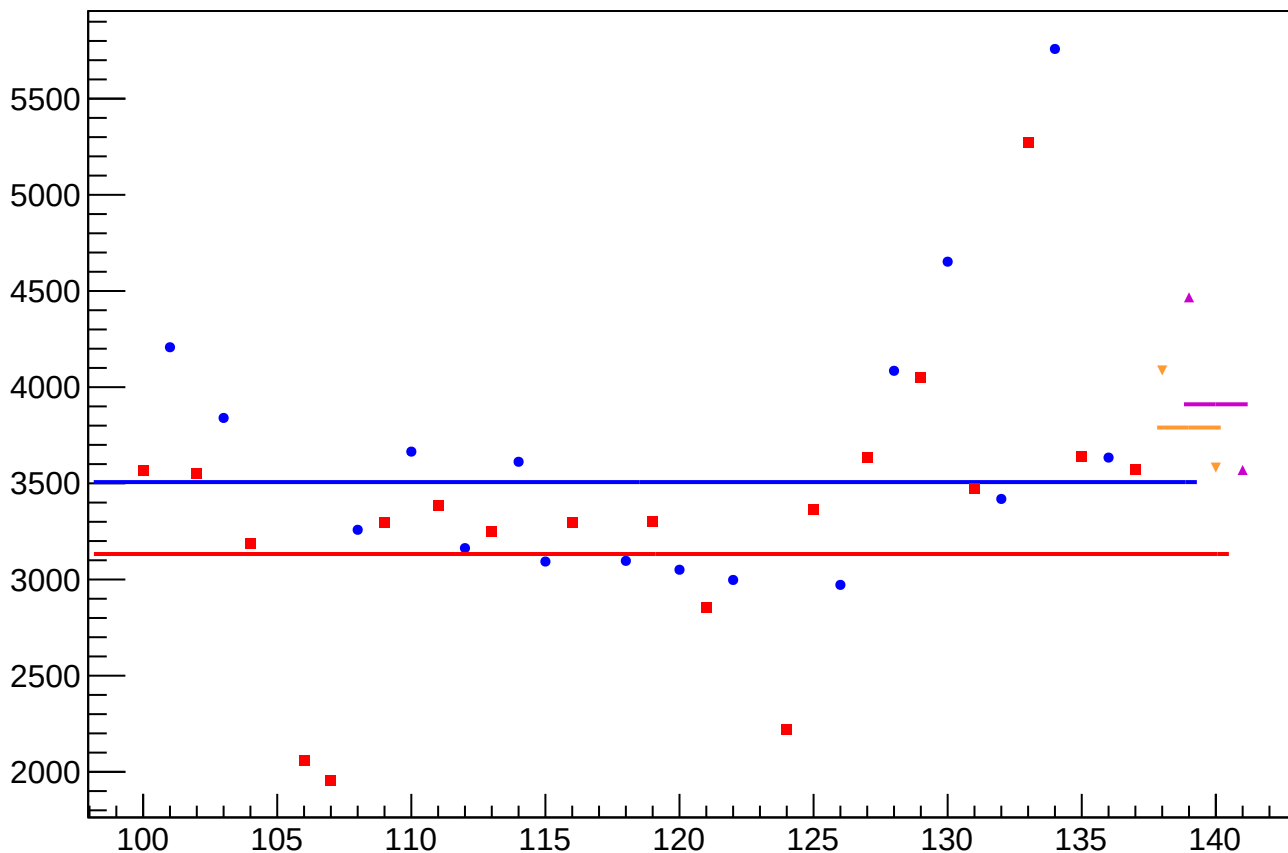
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign 204.754 ± 1211.971 $\chi^2/\text{NDF}: 15.8/17$

All: -141.134 ± 814.771 $\chi^2/\text{NDF}: 34.7/38$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

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

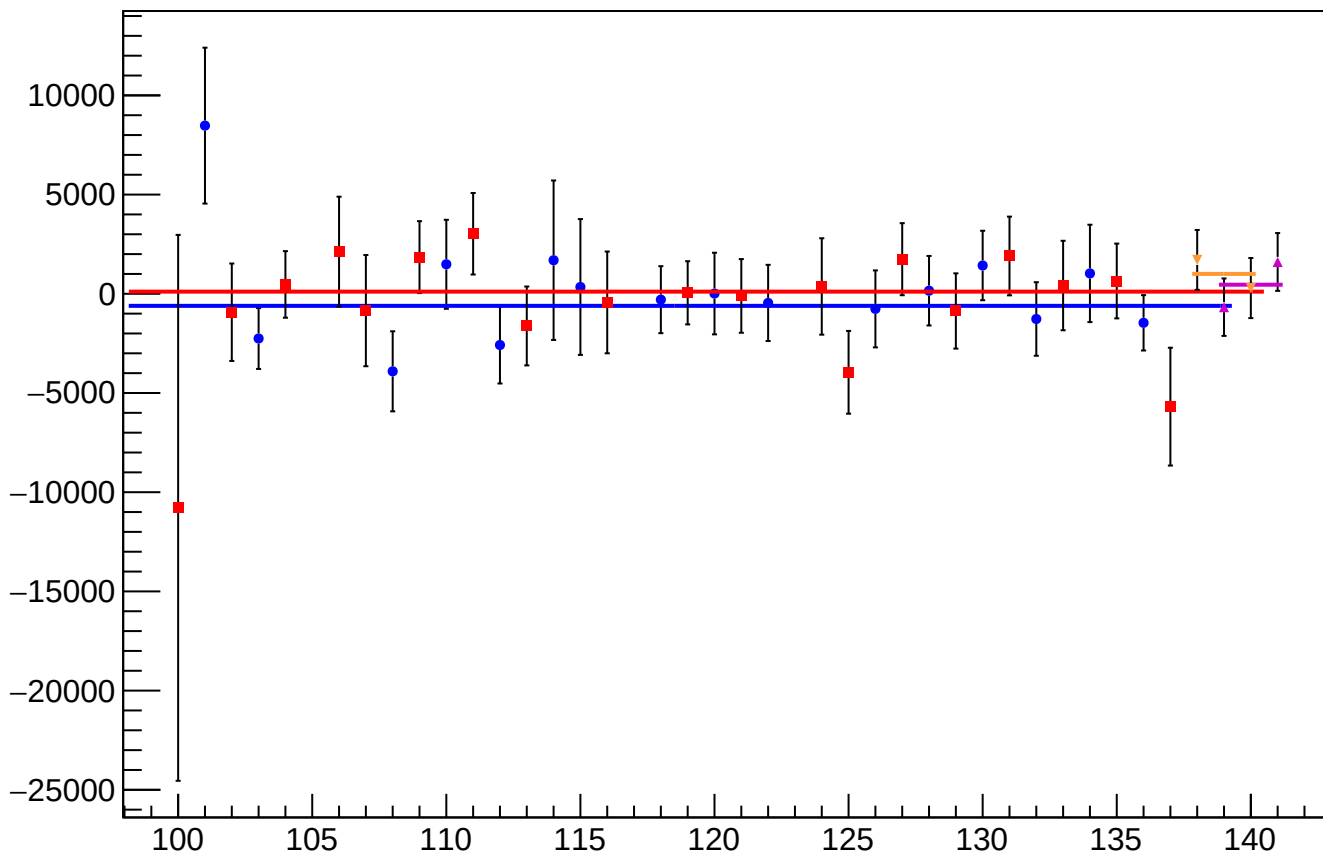
Left In: 3910.982+/-2.120 χ^2/NDF : 42241.5/1

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3379.943+/-0.576 χ^2/NDF : 1264547.0/38

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 1001.801 ± 1069.457 χ^2/NDF : 0.4/1

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

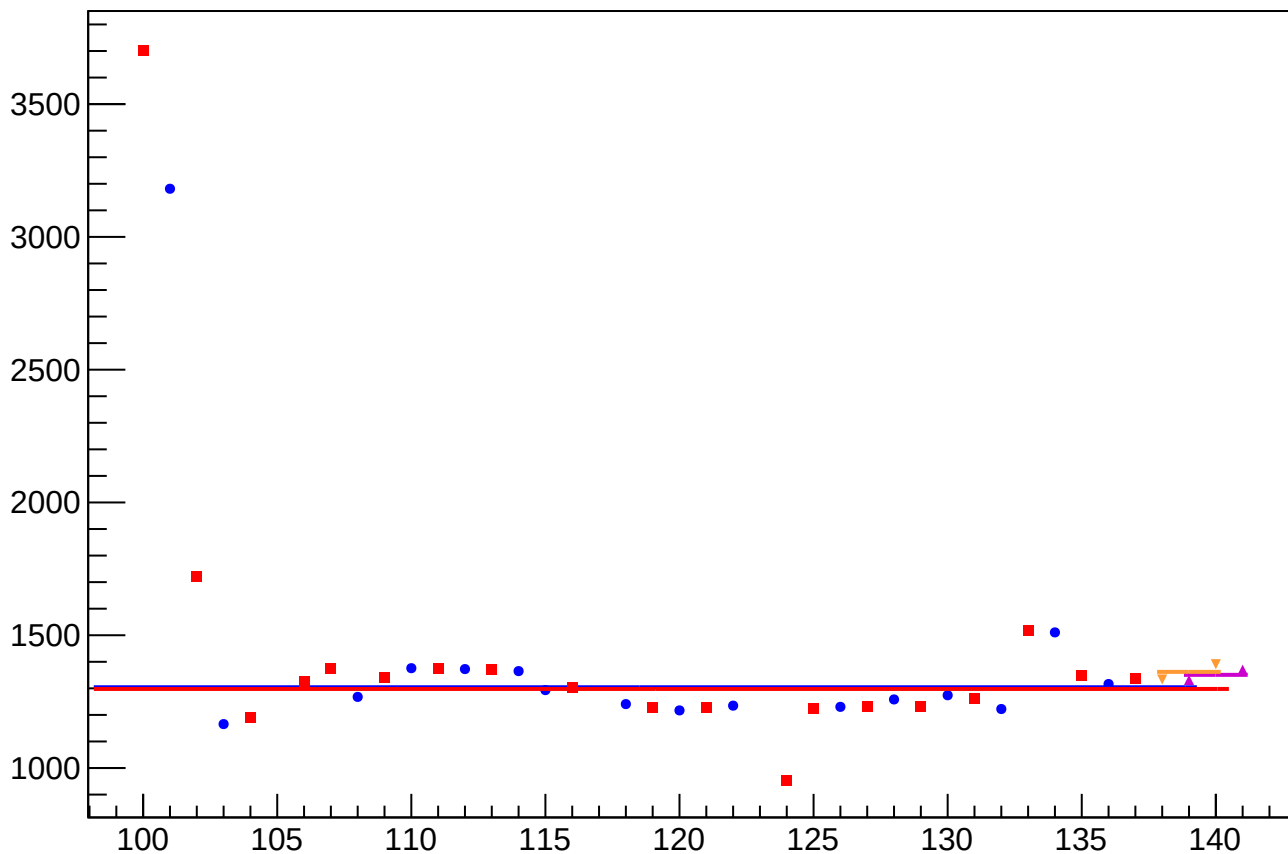
Left In: 458.128 ± 1026.913 χ^2/NDF : 1.2/1

+ sign -324.610 ± 448.603 χ^2/NDF : 16.4/17

All: -70.666 ± 313.745 χ^2/NDF : 33.2/38

- sign 172.476 ± 438.958 χ^2/NDF : 16.2/20

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

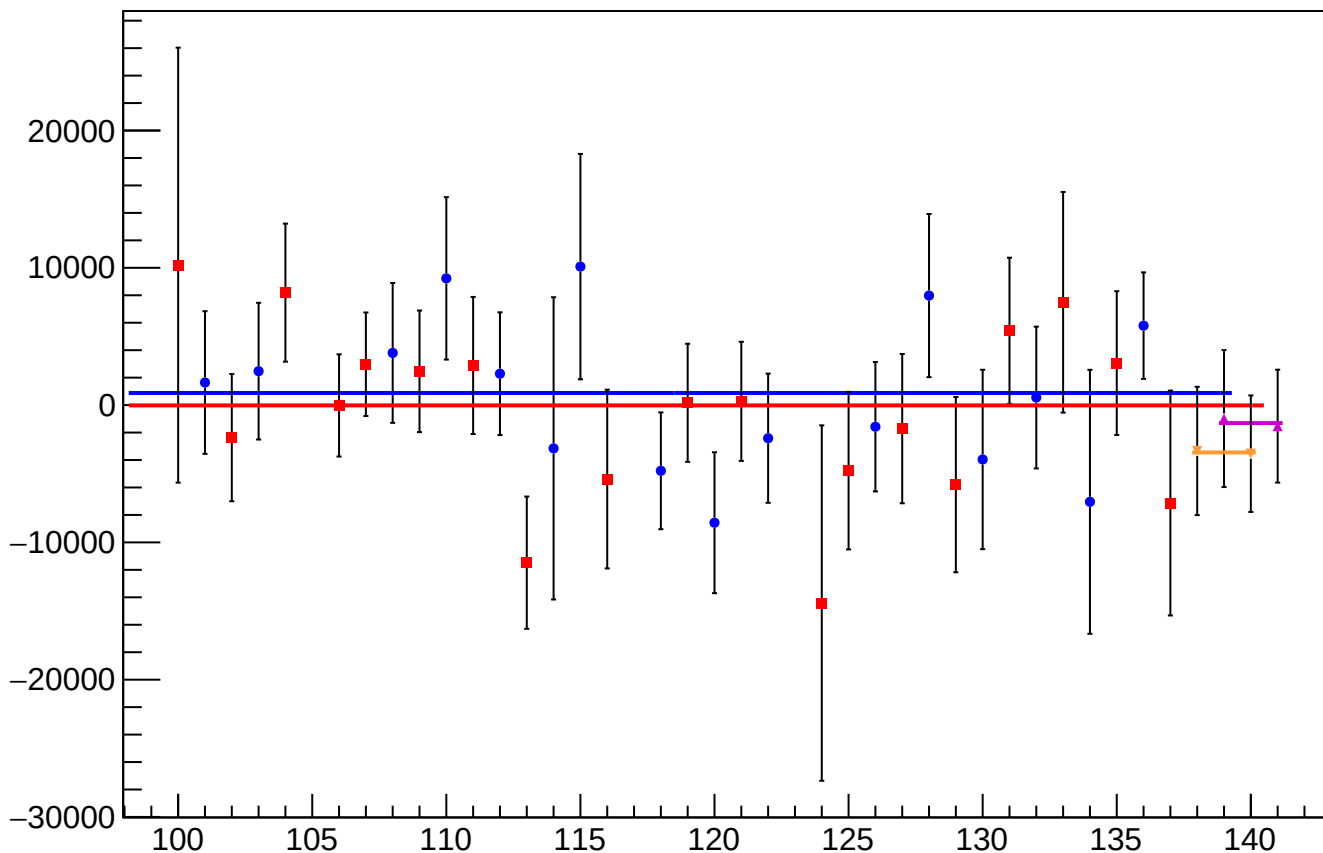
Left In: 1350.869 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.2/17

All: 1310.816 $\pm$ 0.222 χ^2 /NDF: 735286.5/38

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.0/20

asym_at1_avg_at2_avg_dd_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

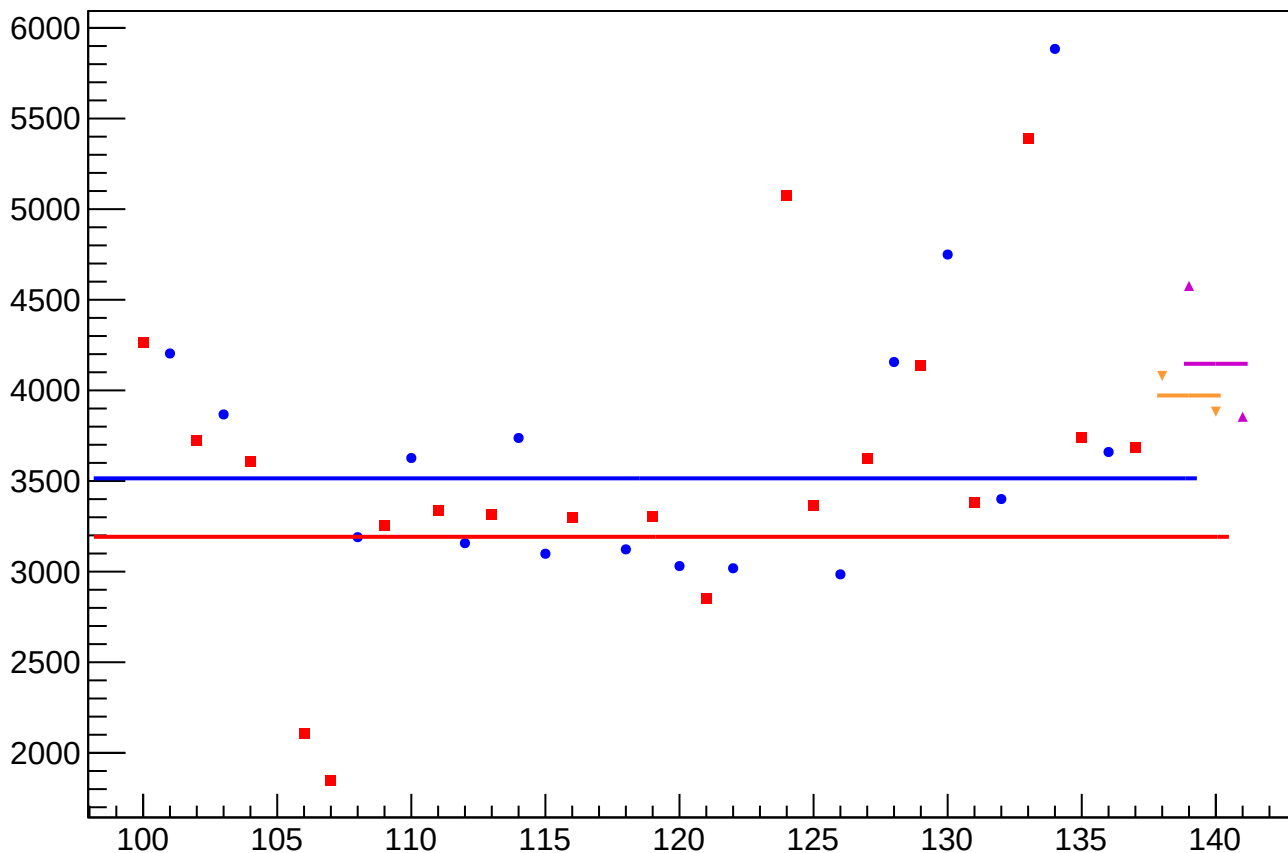
Left In: -1309.261 $\pm$ 3173.459 χ^2 /NDF: 0.0/1

+ sign 227.910 $\pm$ 1222.752 χ^2 /NDF: 15.7/17

All: 5.517 $\pm$ 826.880 χ^2 /NDF: 32.8/38

- sign -181.885 $\pm$ 1122.446 χ^2 /NDF: 17.0/20

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

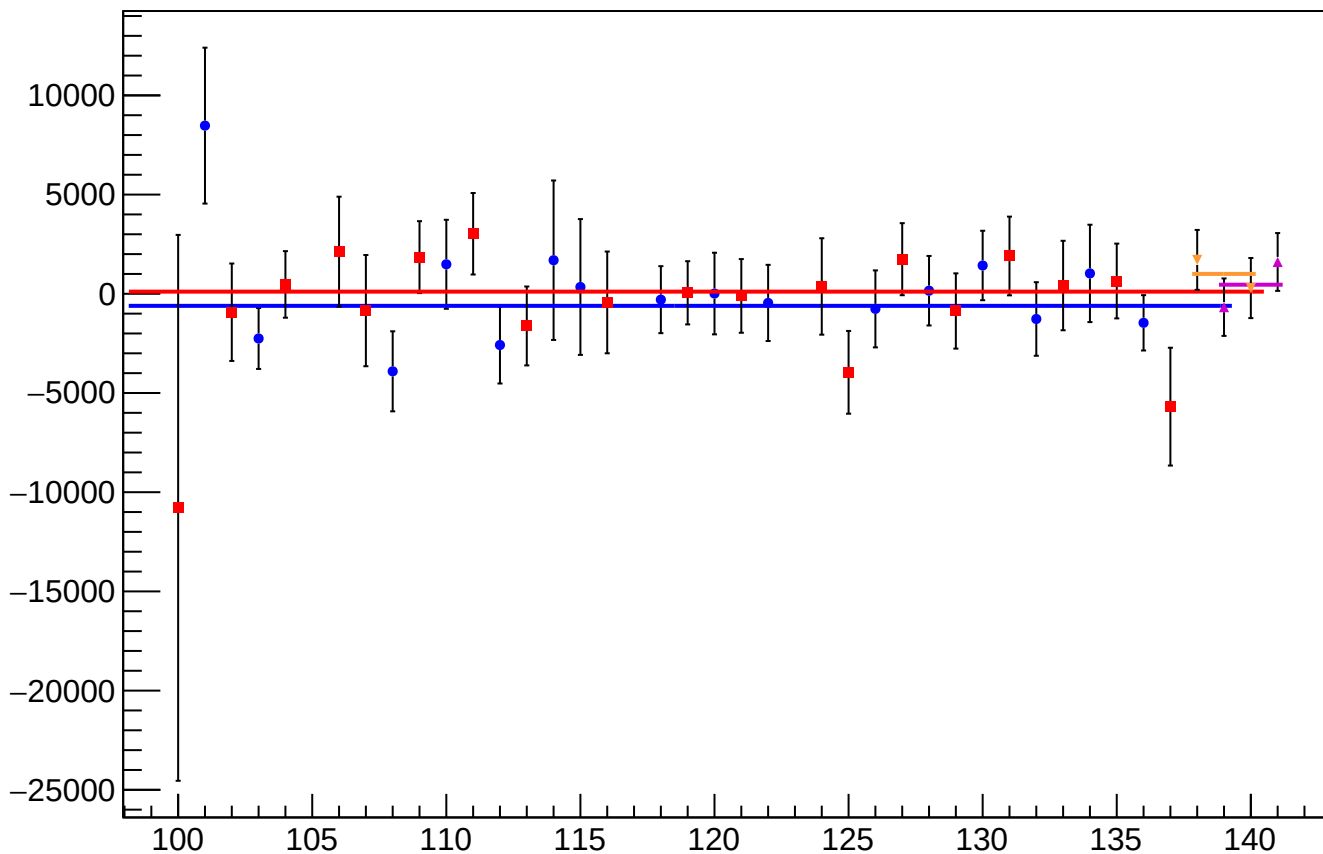
Left In: 4146.801+/-2.244 χ^2/NDF :24941.6/1

+ sign 3583.970+/-0.865 χ^2/NDF : 412942.2/17

All: 3436.170+/-0.585 χ^2/NDF : 1422553.7/38

- sign 3311.626+/-0.794 χ^2/NDF : 955766.8/20

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

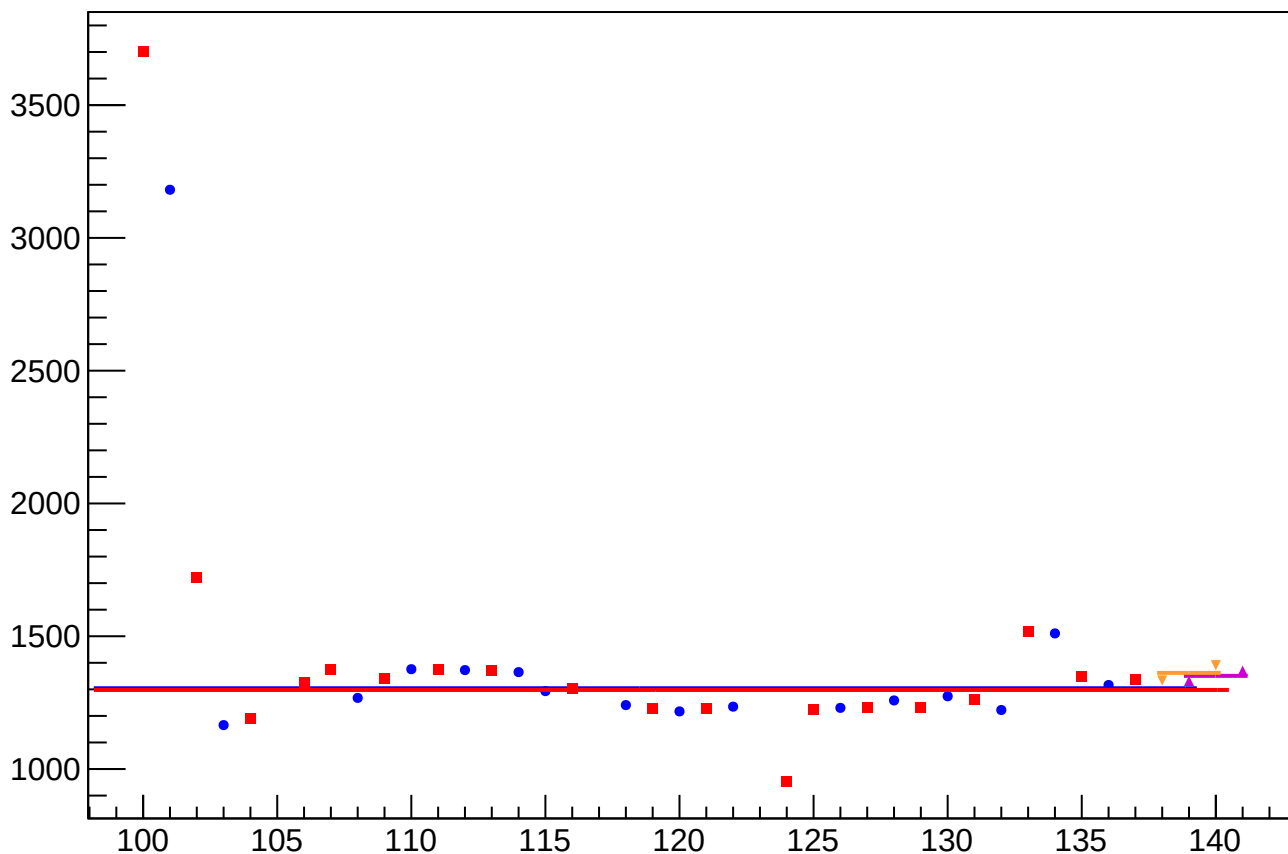
Left In: 458.120+/-1026.914 χ^2/NDF : 1.2/1

+ sign -324.614+/-448.603 χ^2/NDF : 16.4/17

All: -70.666+/-313.745 χ^2/NDF : 33.2/38

- sign 172.479+/-438.958 χ^2/NDF : 16.2/20

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102 $\pm$ 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

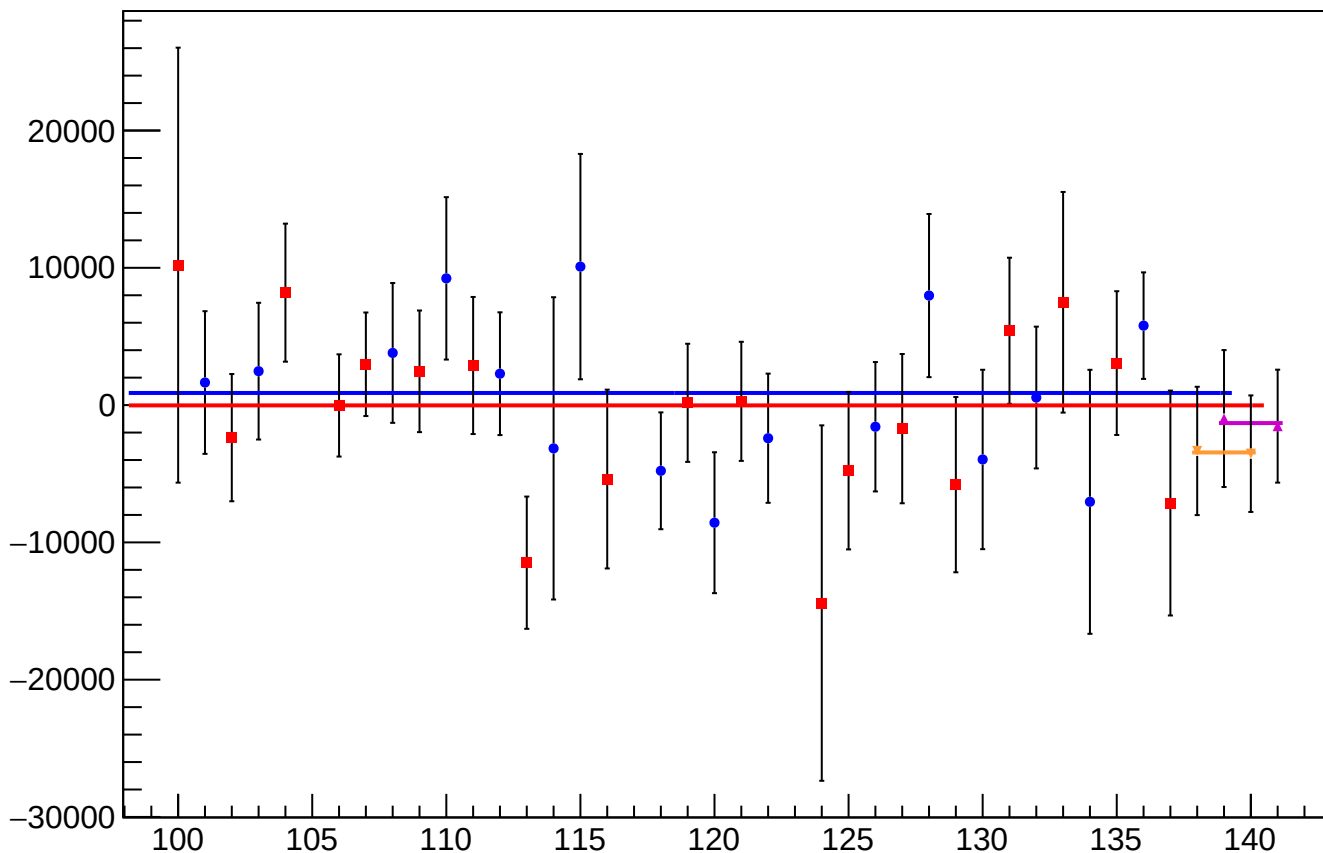
Left In: 1350.870 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.4/17

All: 1310.816 $\pm$ 0.222 χ^2 /NDF: 735286.9/38

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.1/20

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 $\pm$ 1327.396 χ^2 /NDF: 14.1/15

Left Out: -3448.191 $\pm$ 3141.919 χ^2 /NDF: 0.0/1

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

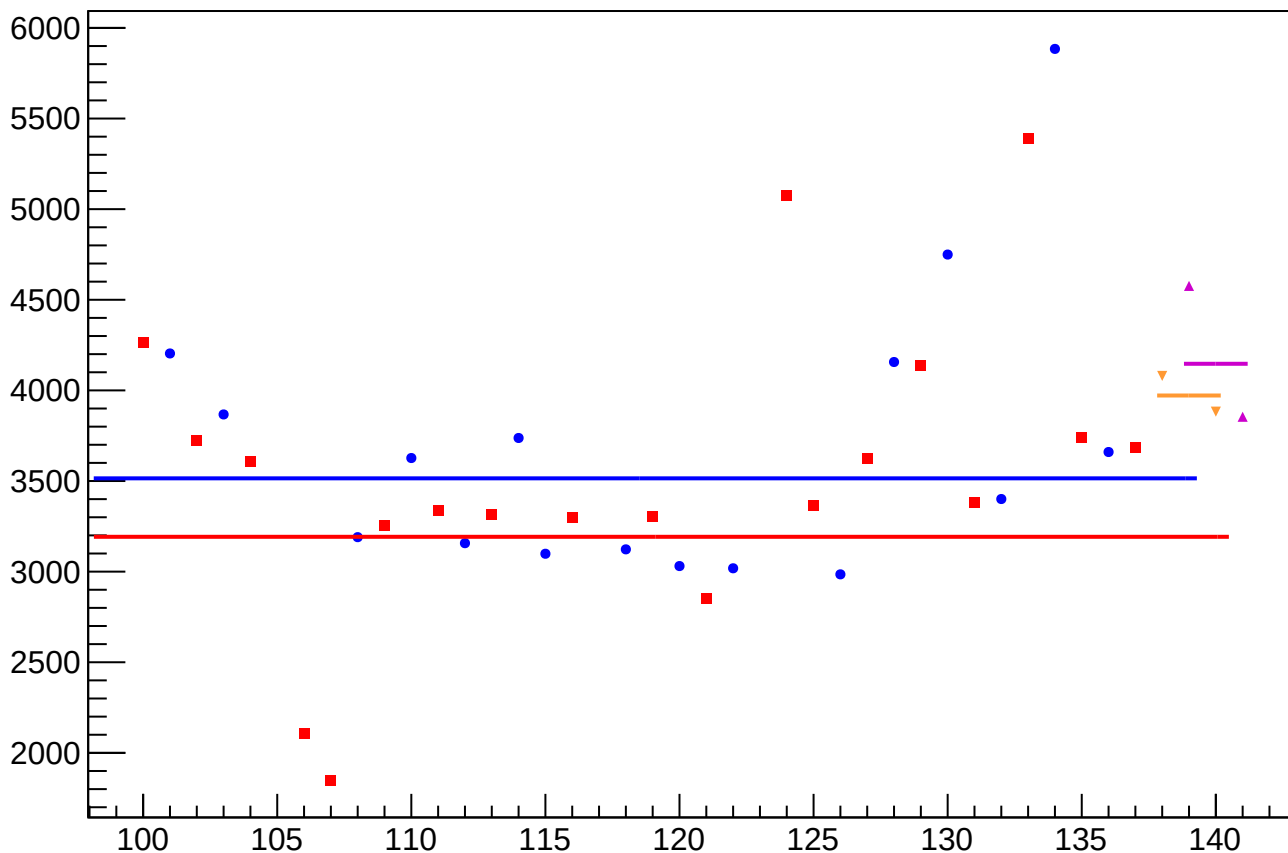
Left In: -1309.271 $\pm$ 3173.463 χ^2 /NDF: 0.0/1

+ sign 227.905 $\pm$ 1222.750 χ^2 /NDF: 15.7/17

All: 5.517 $\pm$ 826.878 χ^2 /NDF: 32.8/38

- sign -181.882 $\pm$ 1122.443 χ^2 /NDF: 17.0/20

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

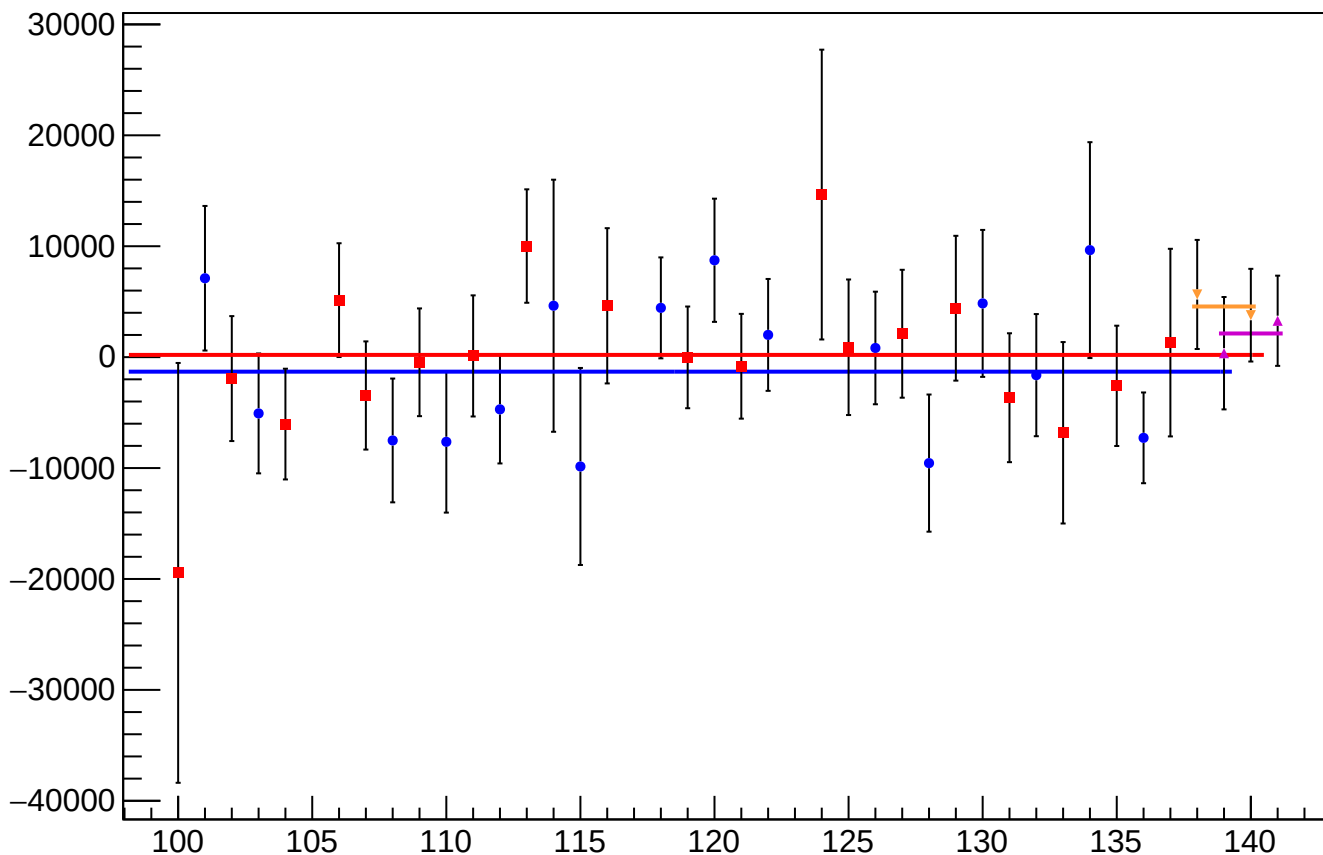
Left In: 4146.807 $\pm$ 2.244 χ^2 /NDF:24942.3/1

+ sign 3583.962 $\pm$ 0.865 χ^2 /NDF: 412948.9/17

All: 3436.163 $\pm$ 0.585 χ^2 /NDF: 1422567.6/38

- sign 3311.619 $\pm$ 0.794 χ^2 /NDF: 955774.0/20

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 4566.386 ± 3184.192 χ^2/NDF : 0.1/1

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

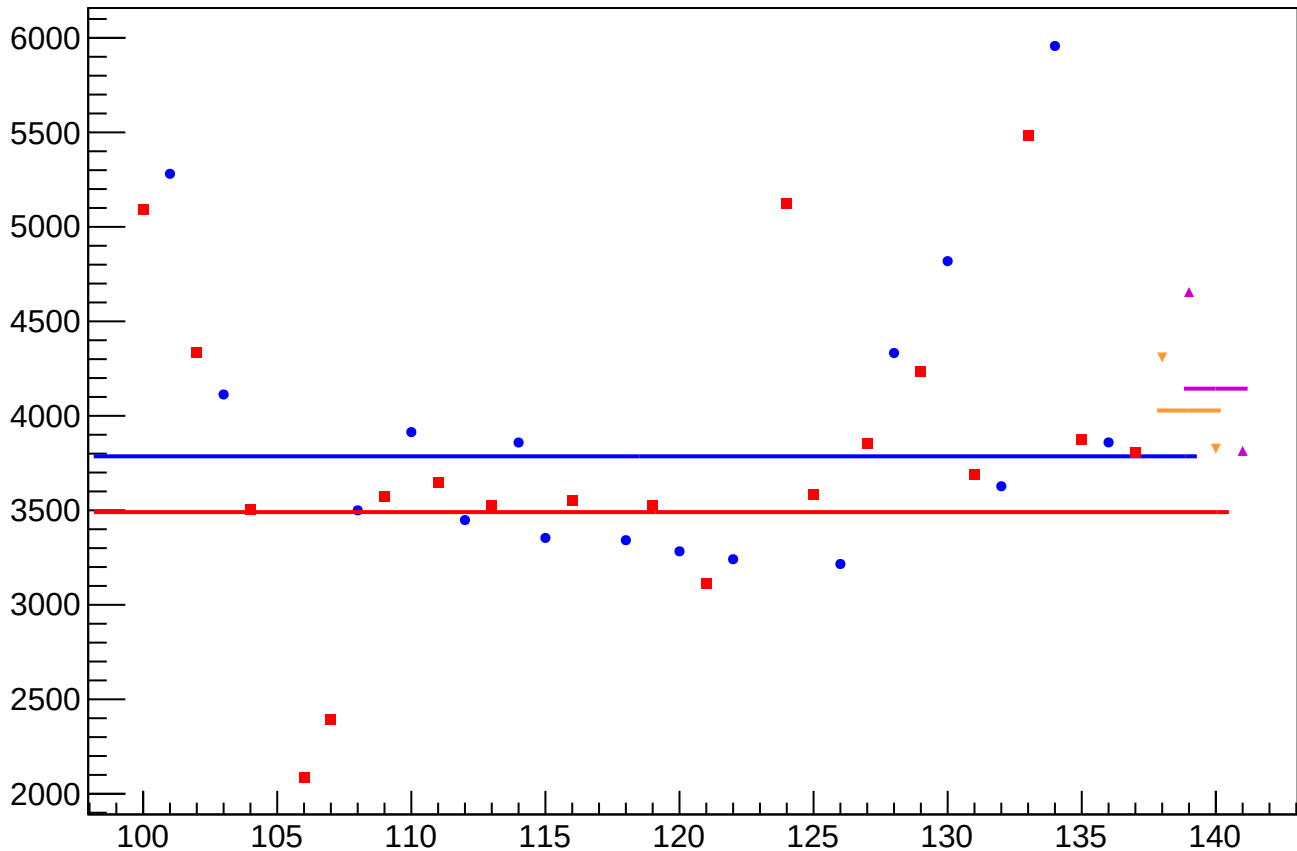
Left In: 2133.541 ± 3171.289 χ^2/NDF : 0.2/1

+ sign -321.330 ± 1305.722 χ^2/NDF : 20.5/17

All: 109.618 ± 895.798 χ^2/NDF : 32.9/38

- sign 492.812 ± 1231.253 χ^2/NDF : 12.2/20

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF : 11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

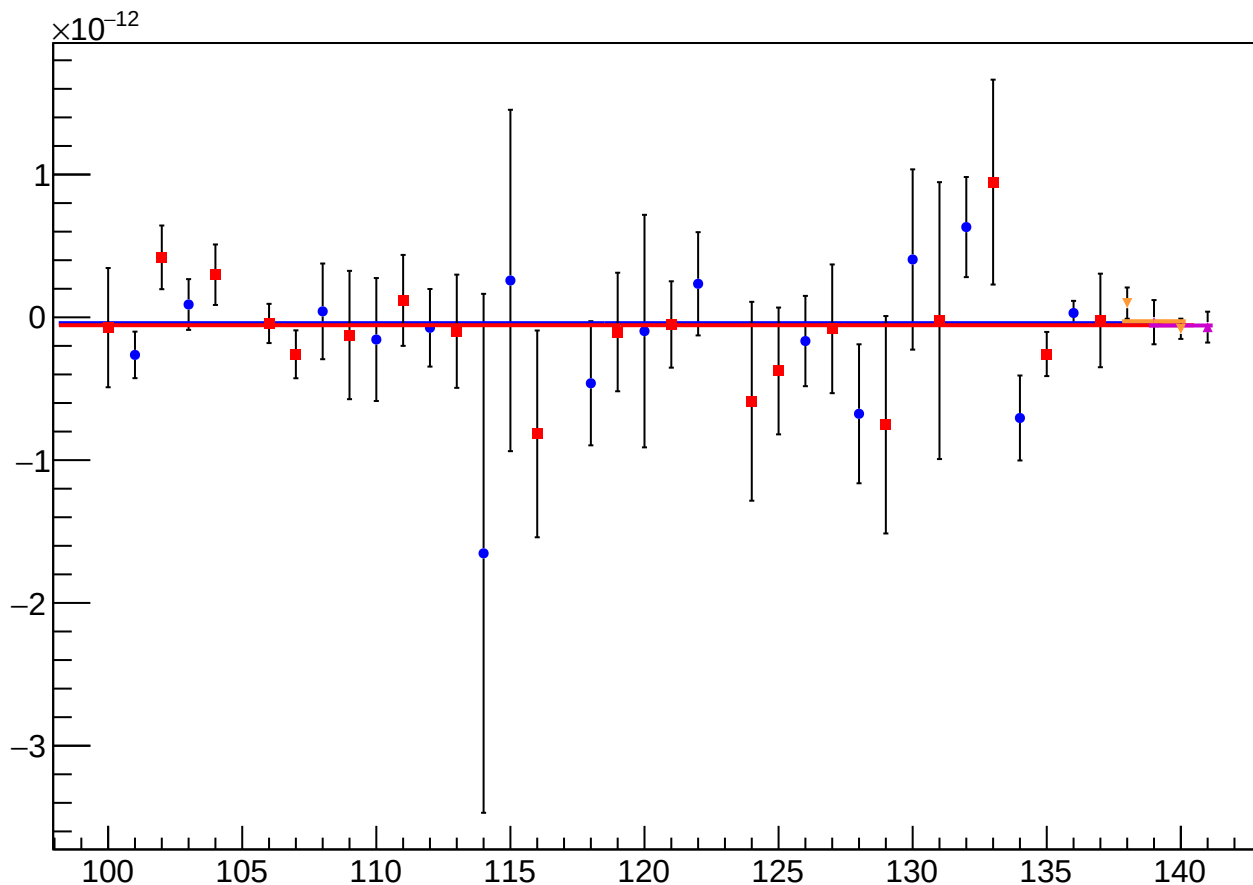
Left In: 4143.971+/-2.242 χ^2/NDF : 33477.9/1

+ sign 3826.565+/-0.923 χ^2/NDF : 403814.1/17

All: 3698.271+/-0.629 χ^2/NDF : 1132478.6/38

- sign 3586.825+/-0.861 χ^2/NDF : 692583.1/20

asym_at1_avg_at2_avg_dd_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

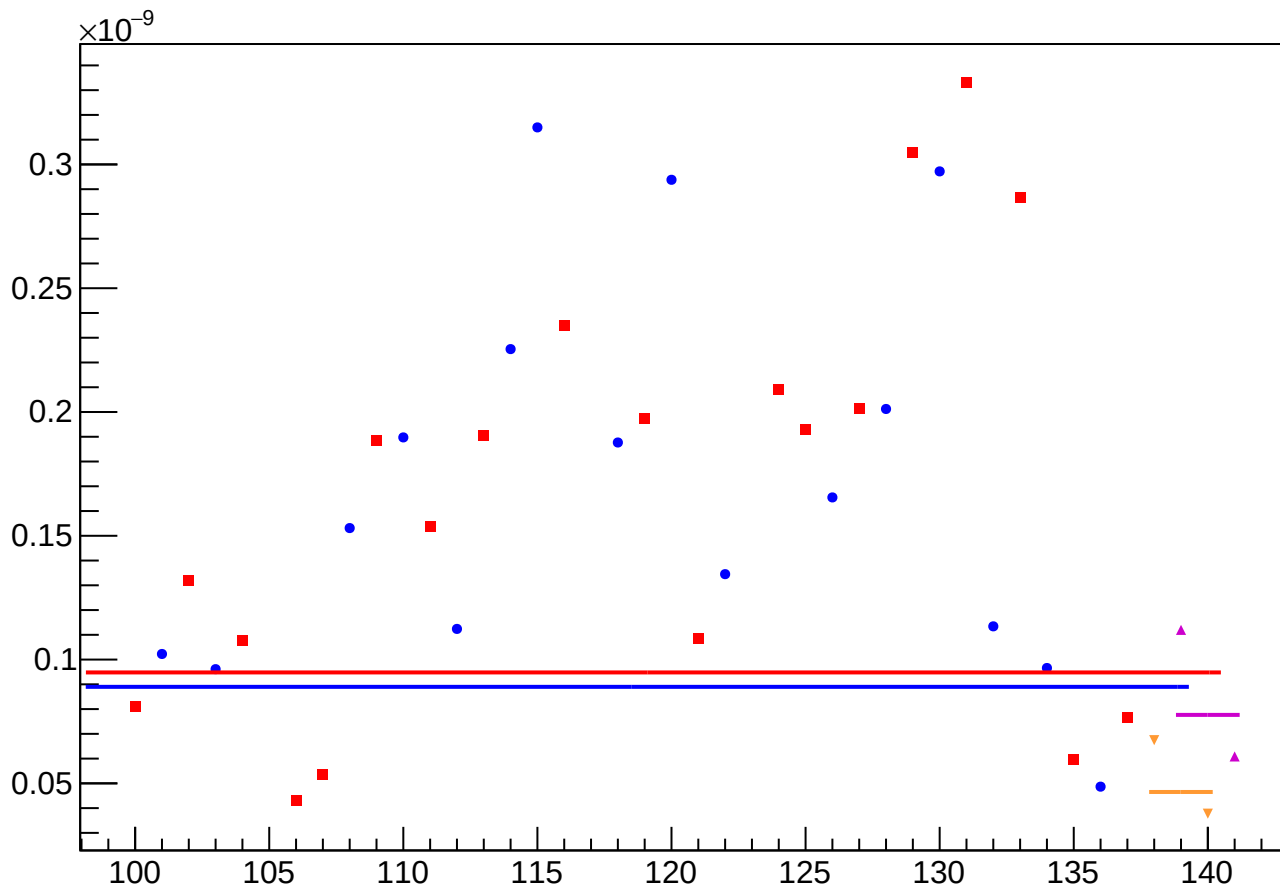
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 18.6/17

All: -0.000+/-0.000 χ^2/NDF : 34.6/38

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

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

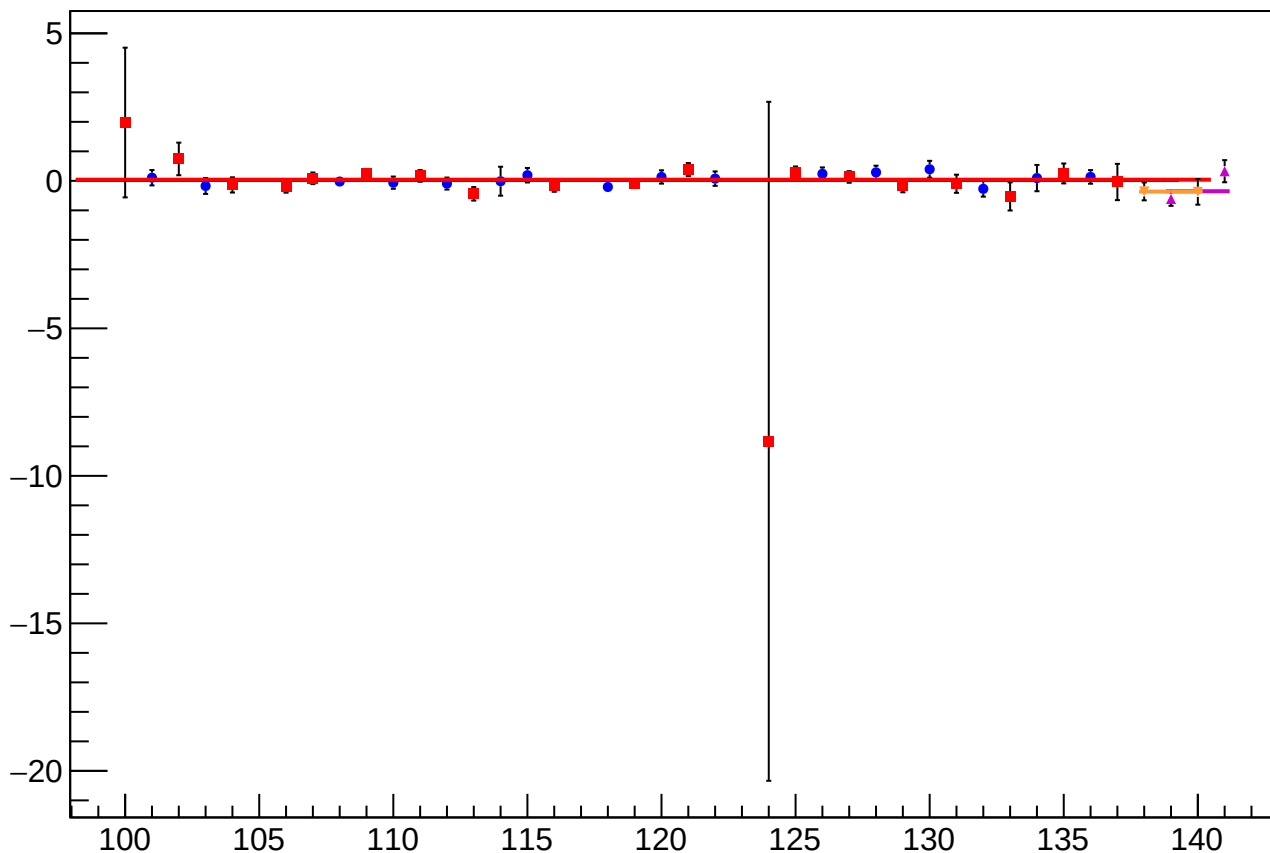
Left In: 0.000+/-0.000 χ^2/NDF :146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2078463.8/17

All: 0.000+/-0.000 χ^2/NDF : 4207660.4/38

- sign 0.000+/-0.000 χ^2/NDF : 1930525.7/20

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

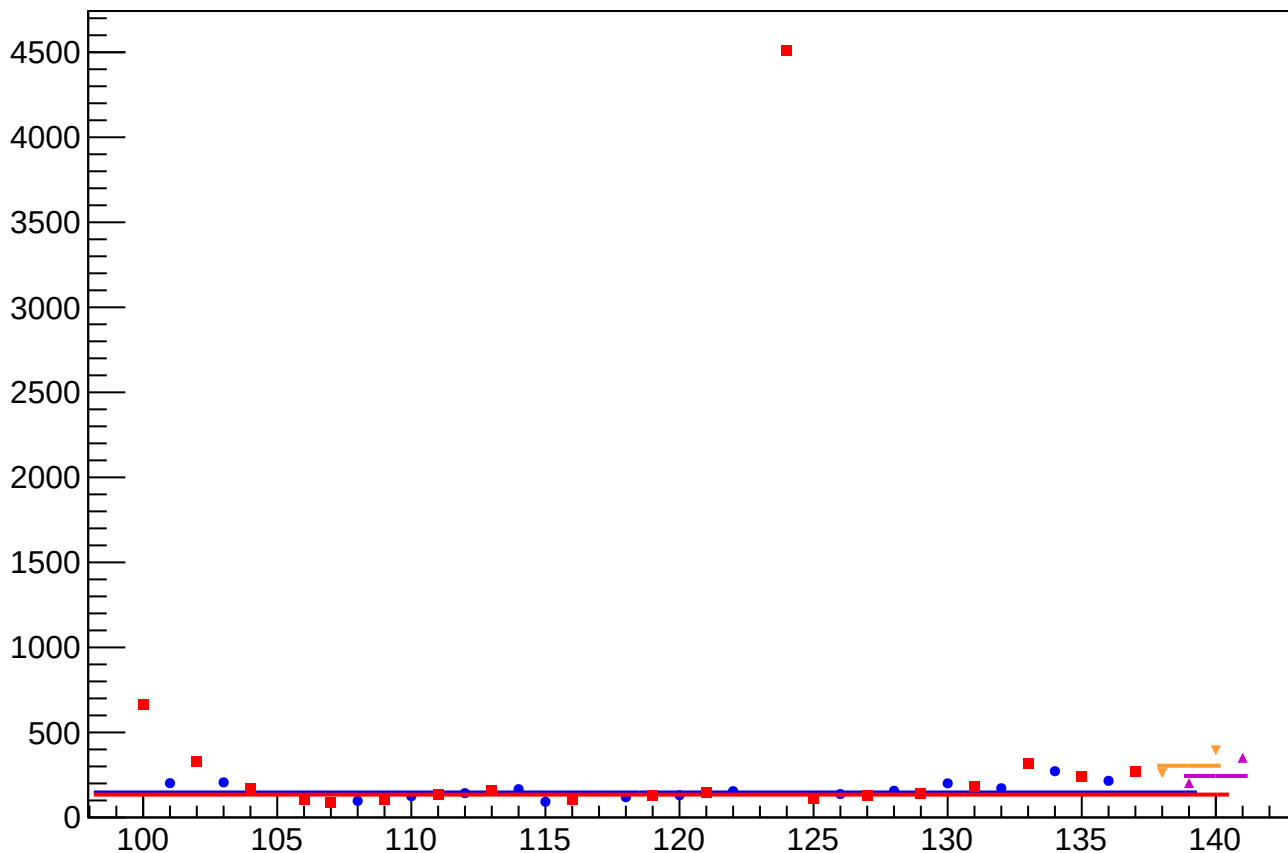
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

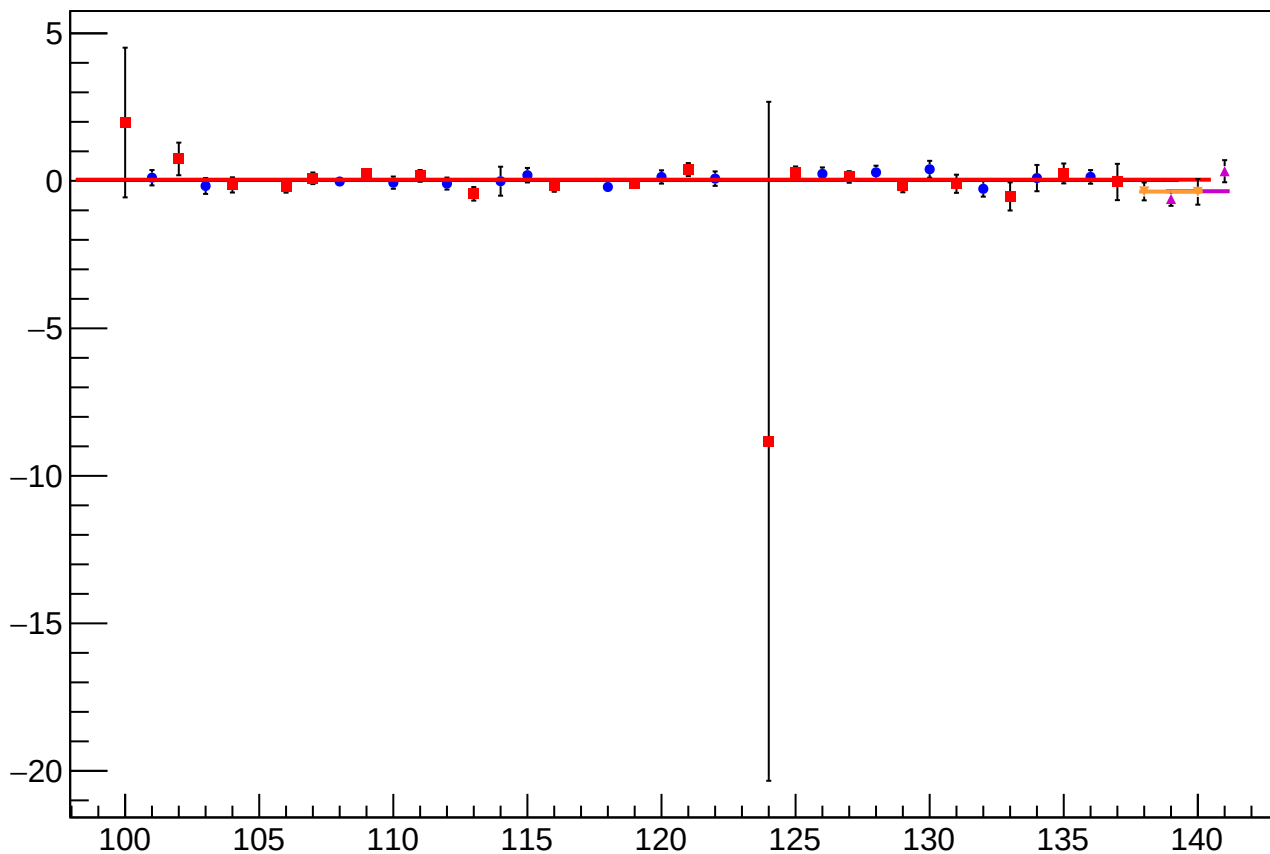
Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

All: 148.208+/-0.027 χ^2/NDF : 4344358.7/38

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

Left In: 243.847+/-0.140 χ^2/NDF :226761.4/1

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

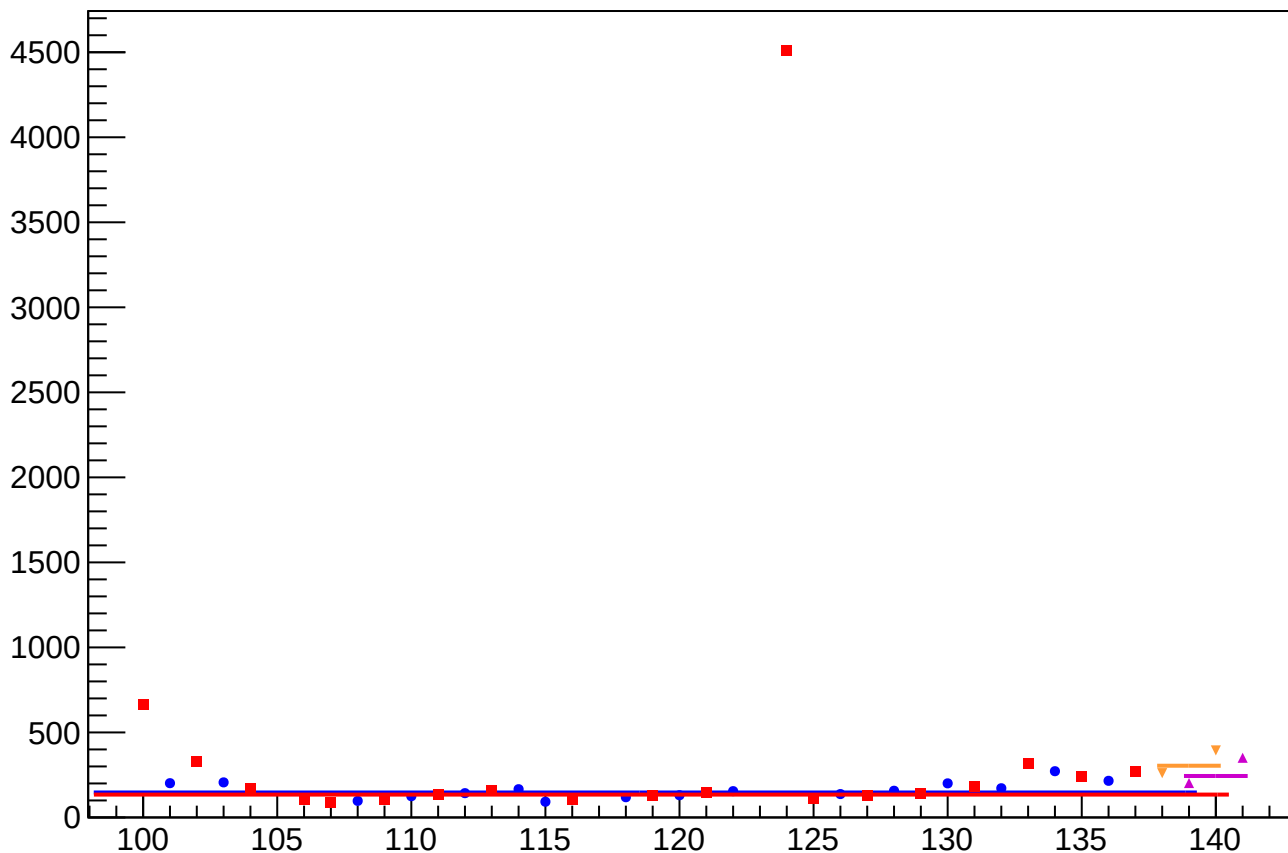
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign 0.008 ± 0.056 χ^2/NDF : 11.8/17

All: 0.010 ± 0.038 χ^2/NDF : 40.0/38

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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

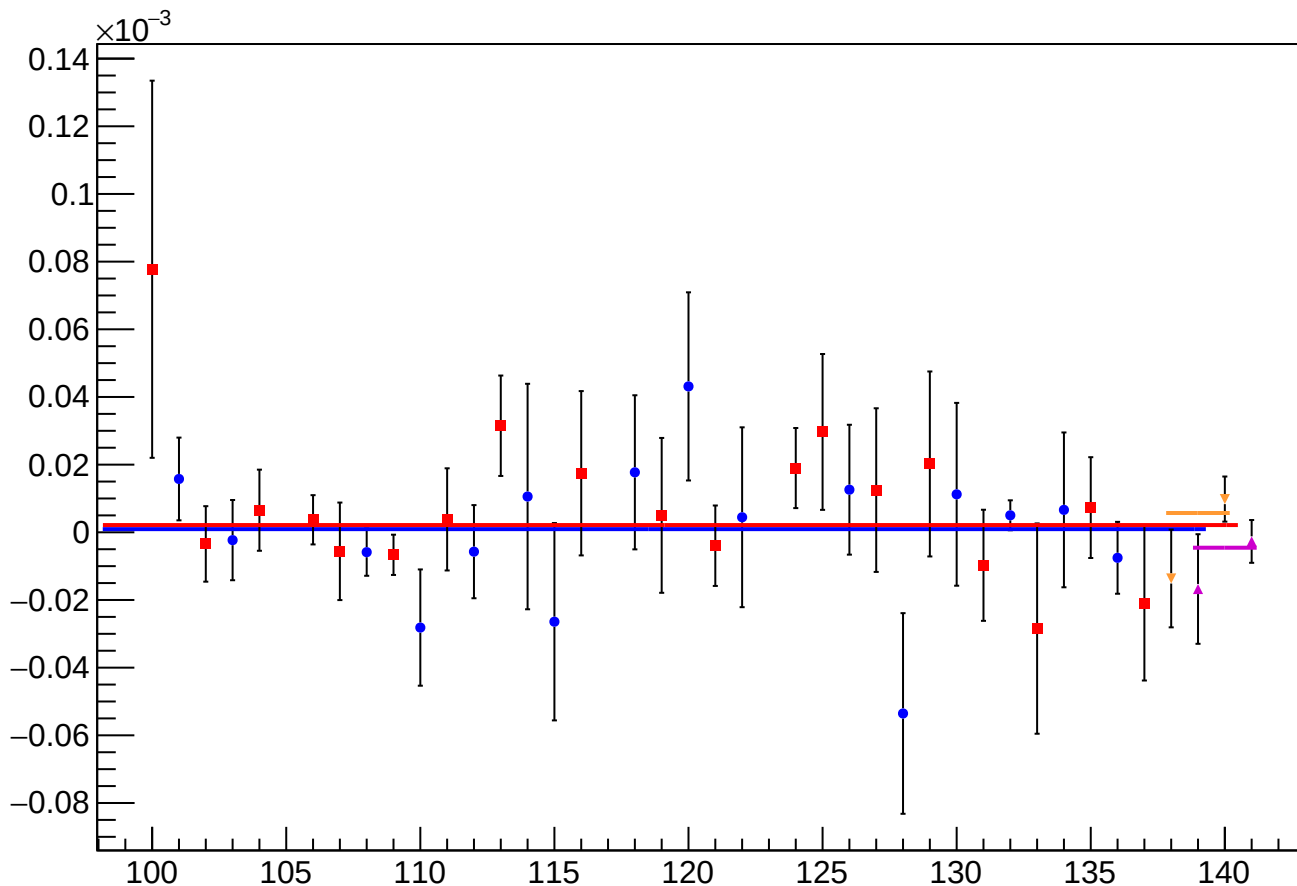
Left In: 243.847+/-0.140 χ^2/NDF :226761.4/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 148.208+/-0.027 χ^2/NDF : 4344358.7/38

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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

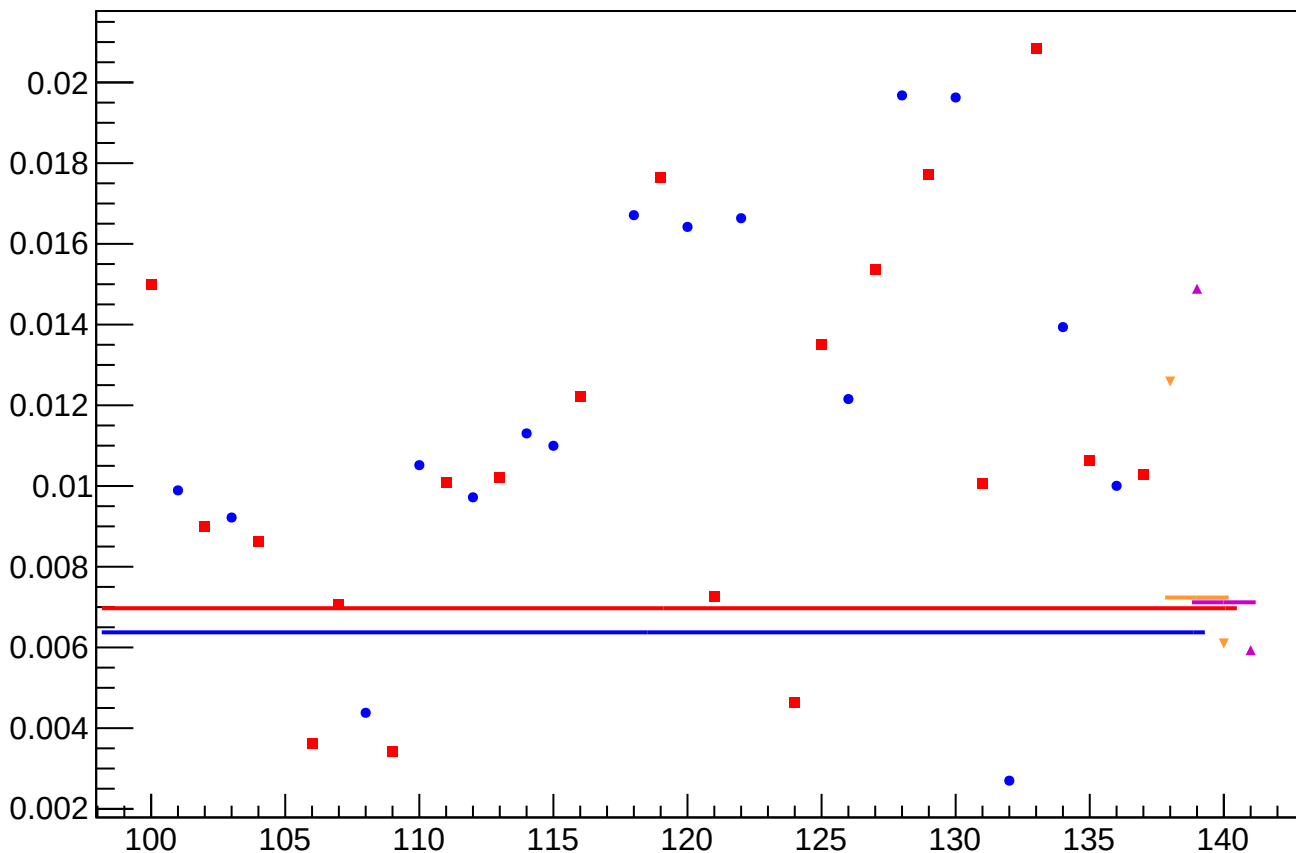
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

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

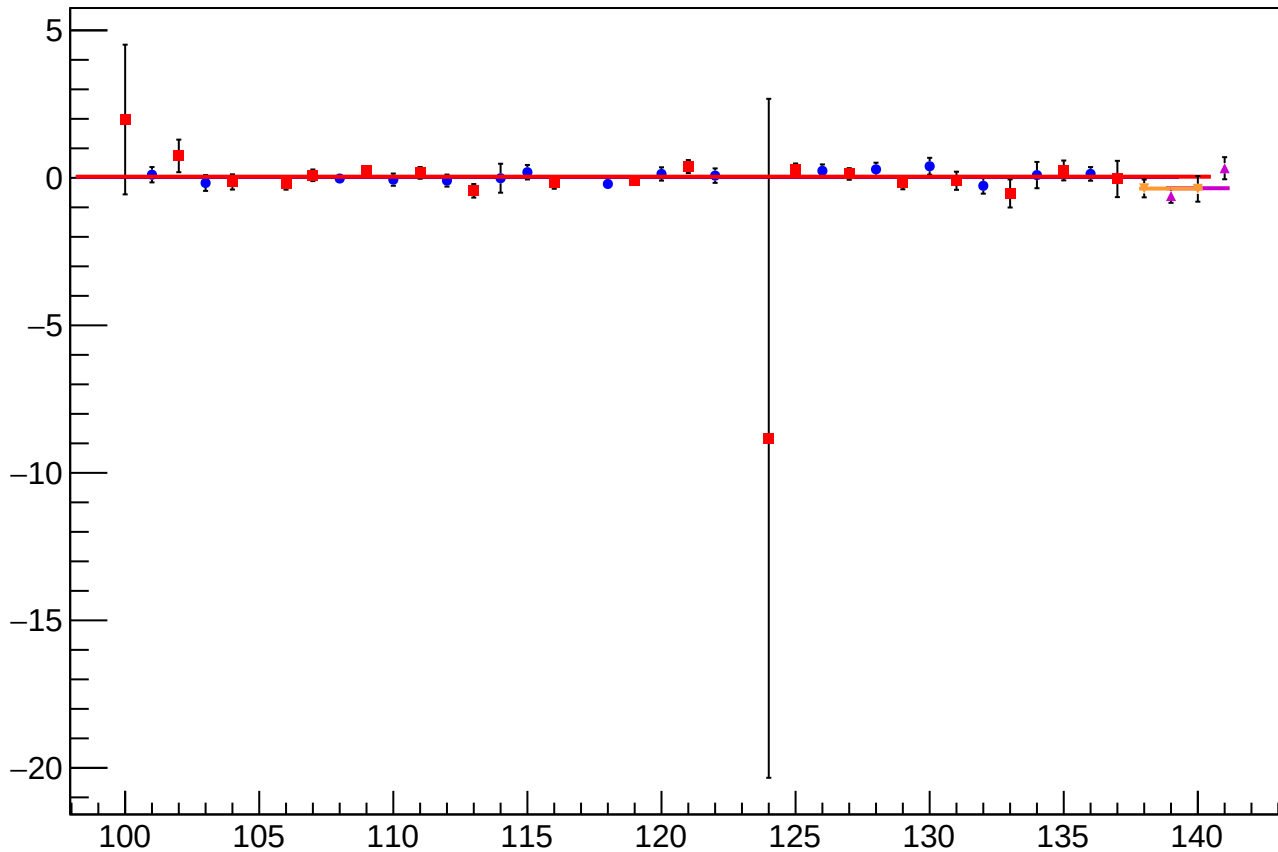
Left In: 0.007+/-0.000 χ^2/NDF : 530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 5005153.1/17

All: 0.007+/-0.000 χ^2/NDF : 8977044.0/38

- sign 0.007+/-0.000 χ^2/NDF : 3941392.2/20

asym_at1_avg_at2_avg_dd_eigen_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

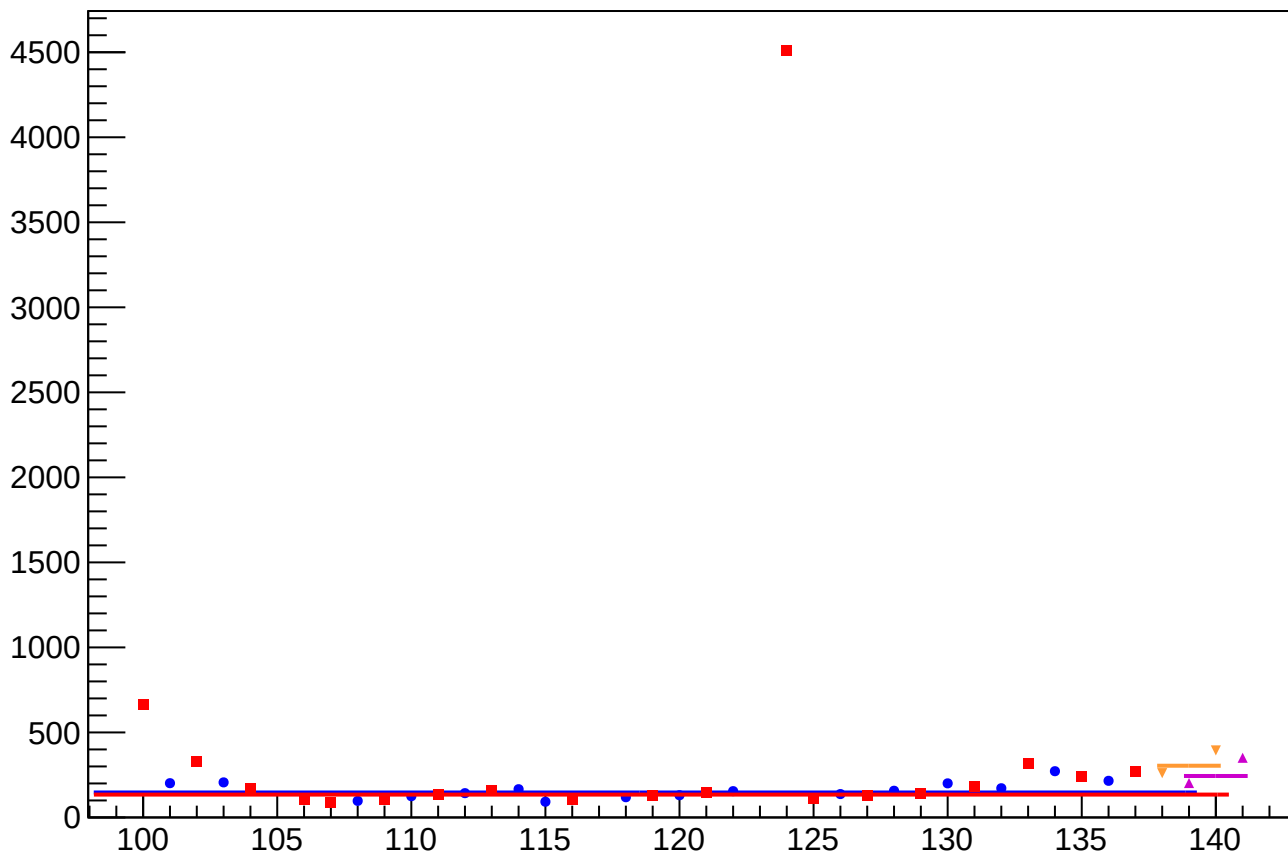
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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

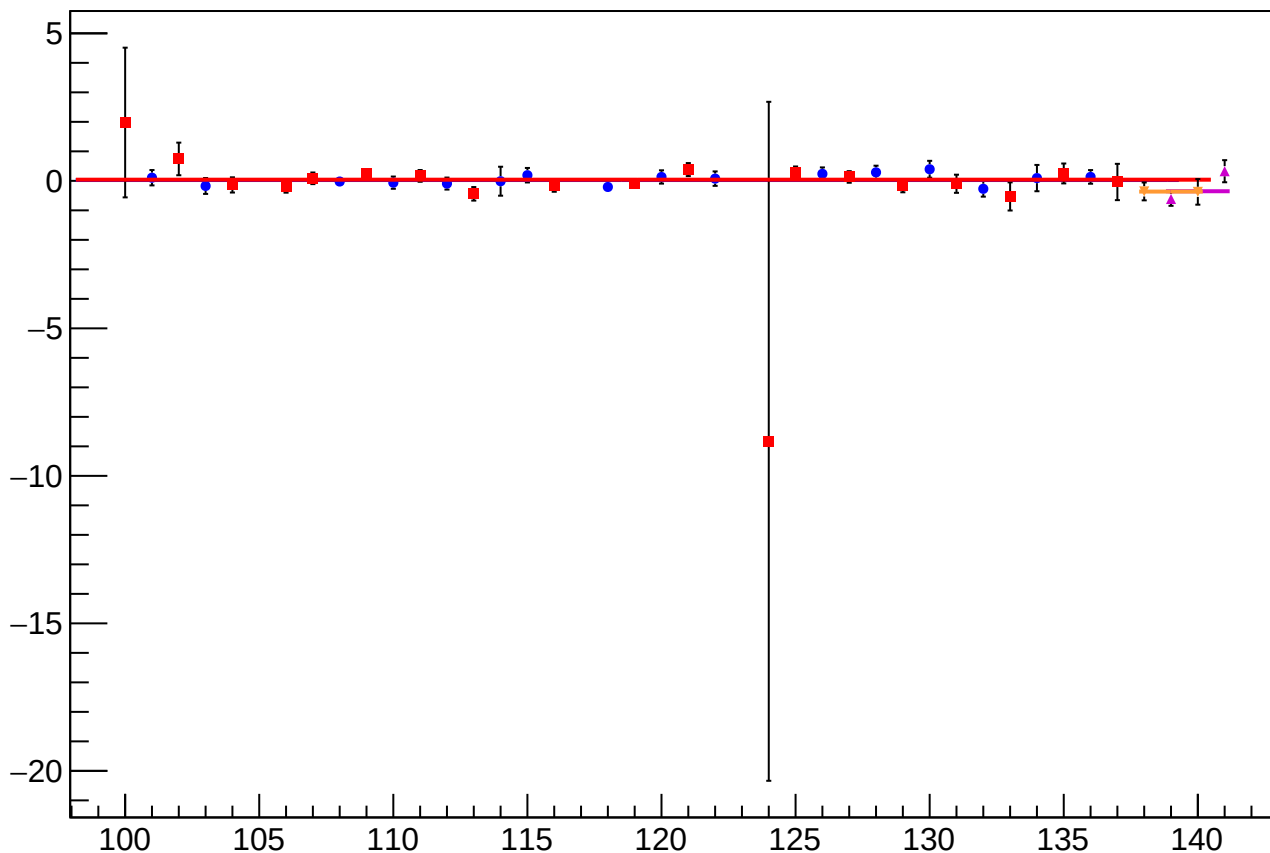
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 148.208+/-0.027 χ^2/NDF : 4344233.6/38

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_at1_avg_at2_avg_dd_eigen_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

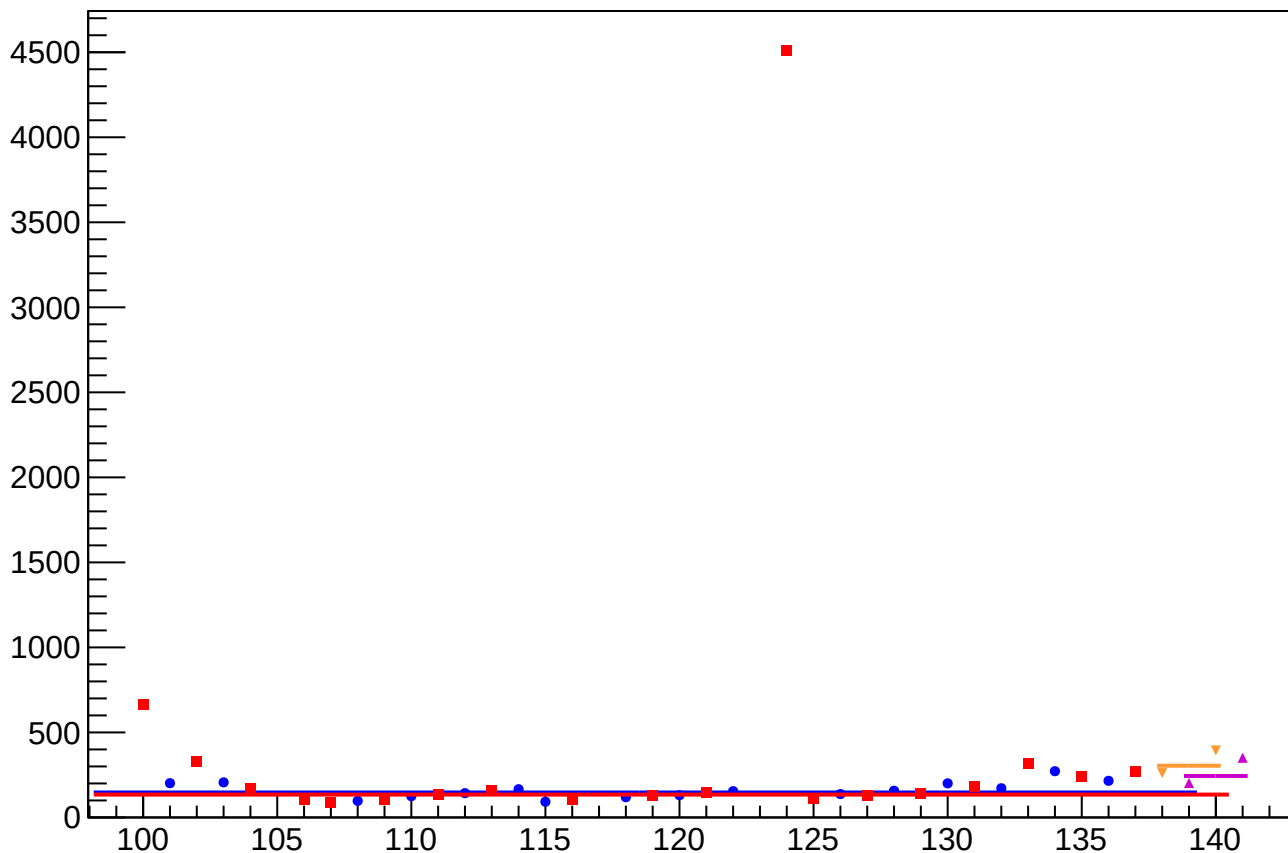
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

asym_at1_avg_at2_avg_dd_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

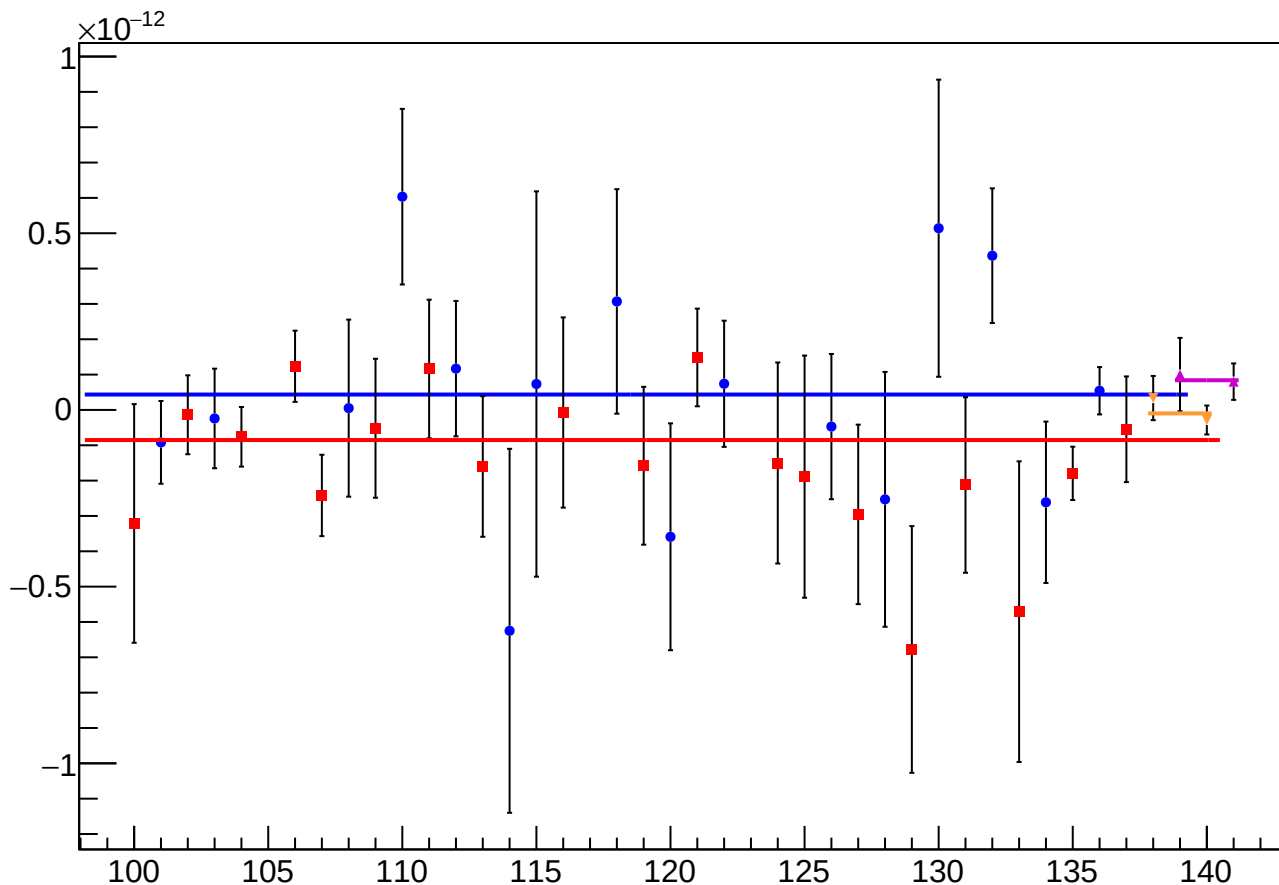
Left In: 243.852 $\pm$ 0.140 χ^2 /NDF:226749.0/1

+ sign 154.901 $\pm$ 0.040 χ^2 /NDF: 1889483.6/17

All: 148.208 $\pm$ 0.027 χ^2 /NDF: 4344233.6/38

- sign 142.304 $\pm$ 0.037 χ^2 /NDF: 2401371.6/20

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

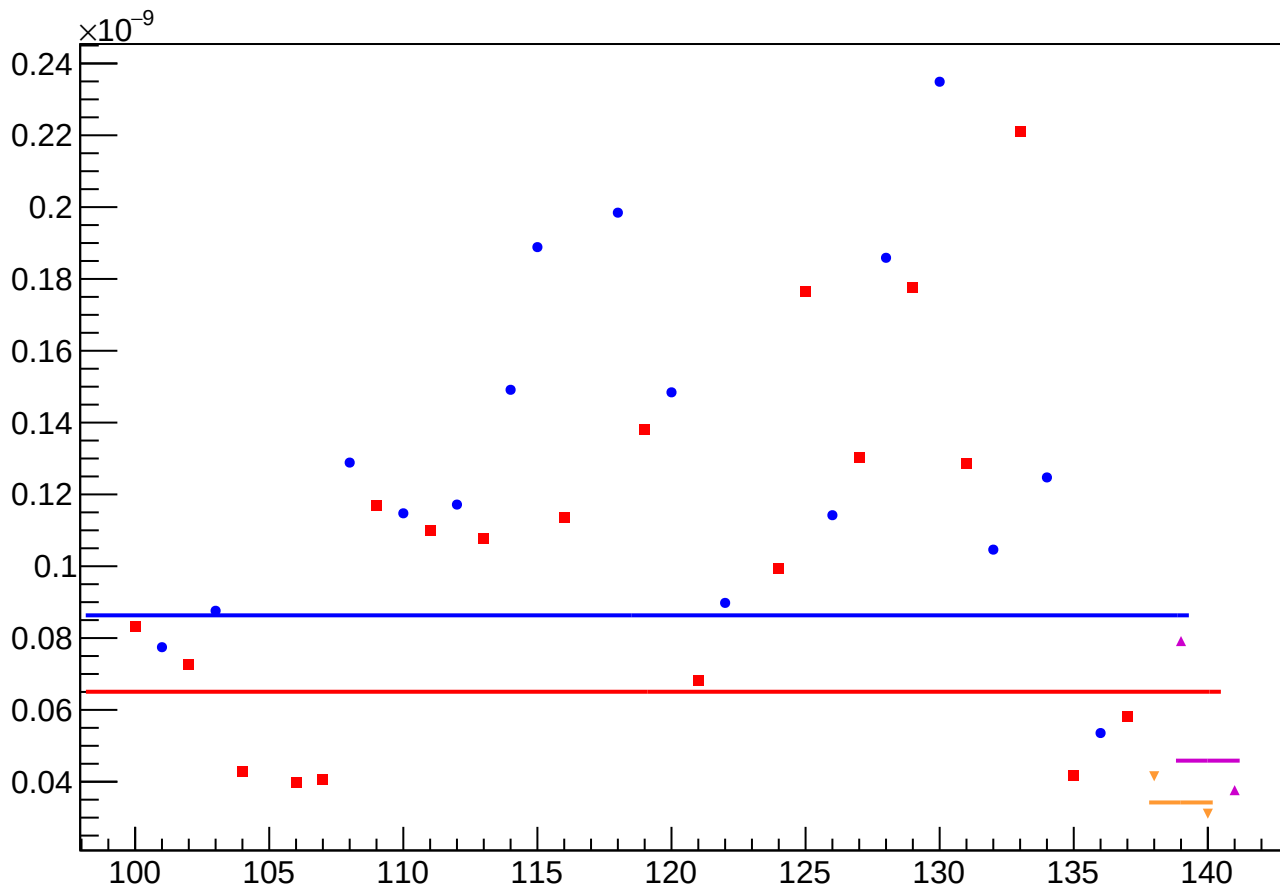
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 20.6/17

All: -0.000 ± 0.000 χ^2/NDF : 48.4/38

- sign -0.000 ± 0.000 χ^2/NDF : 26.9/20

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

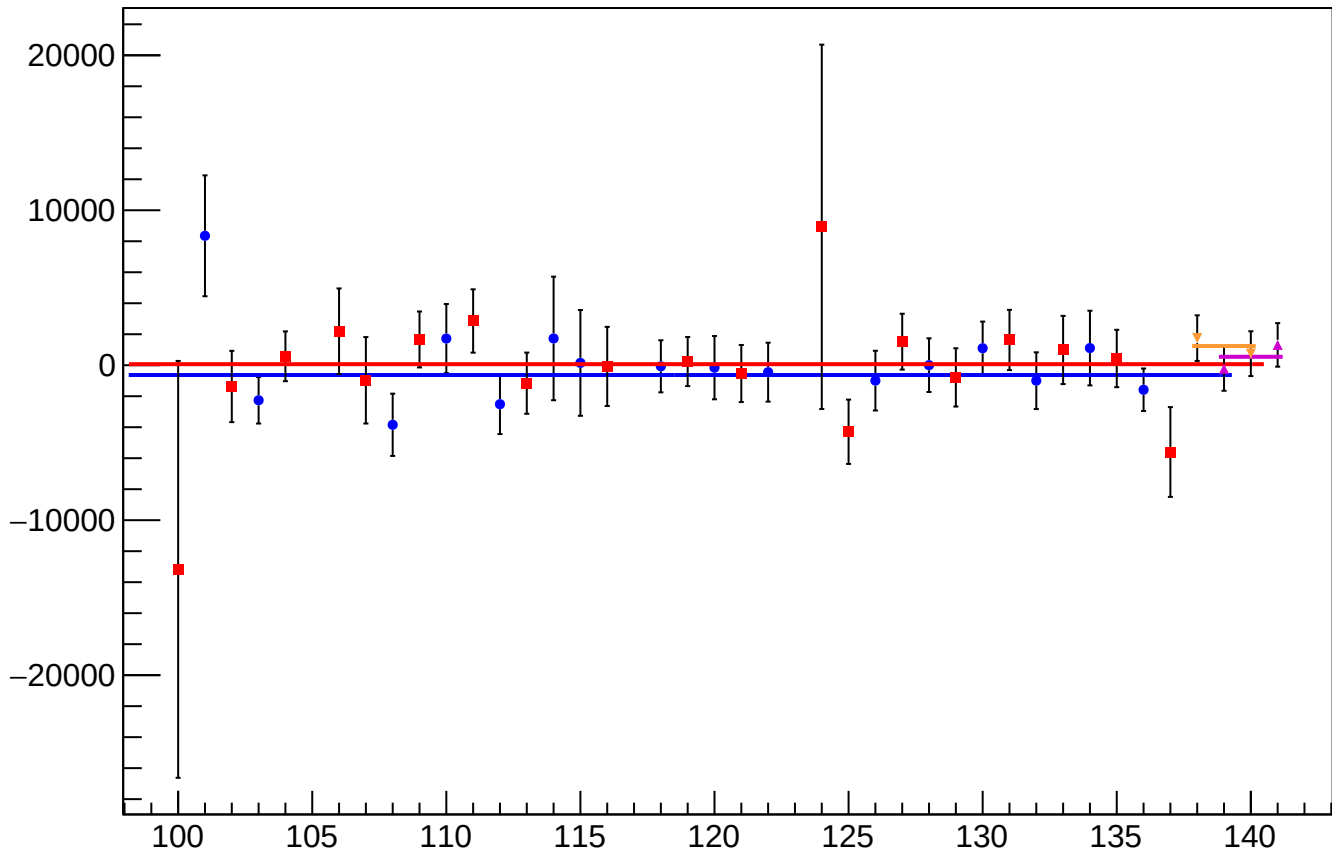
Left In: 0.000+/-0.000 χ^2/NDF : 256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3414015.0/17

All: 0.000+/-0.000 χ^2/NDF : 6070234.1/38

- sign 0.000+/-0.000 χ^2/NDF : 2638271.2/20

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

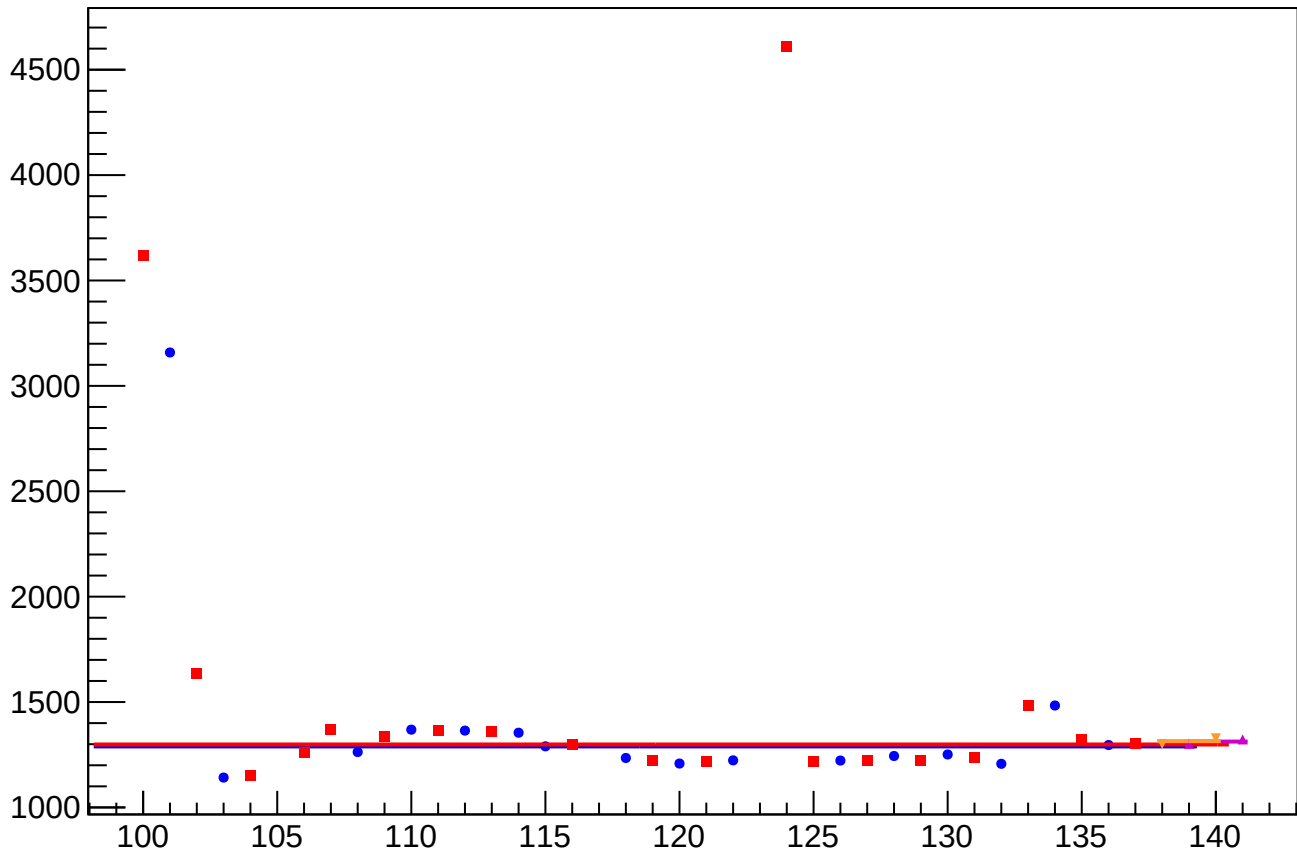
Left In: 544.636+/-997.379 χ^2/NDF : 0.6/1

+ sign -288.393+/-441.622 χ^2/NDF : 16.8/17

All: -62.586+/-311.046 χ^2/NDF : 34.0/38

- sign 159.704+/-438.170 χ^2/NDF : 16.7/20

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF : 353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF : 319374.9/18

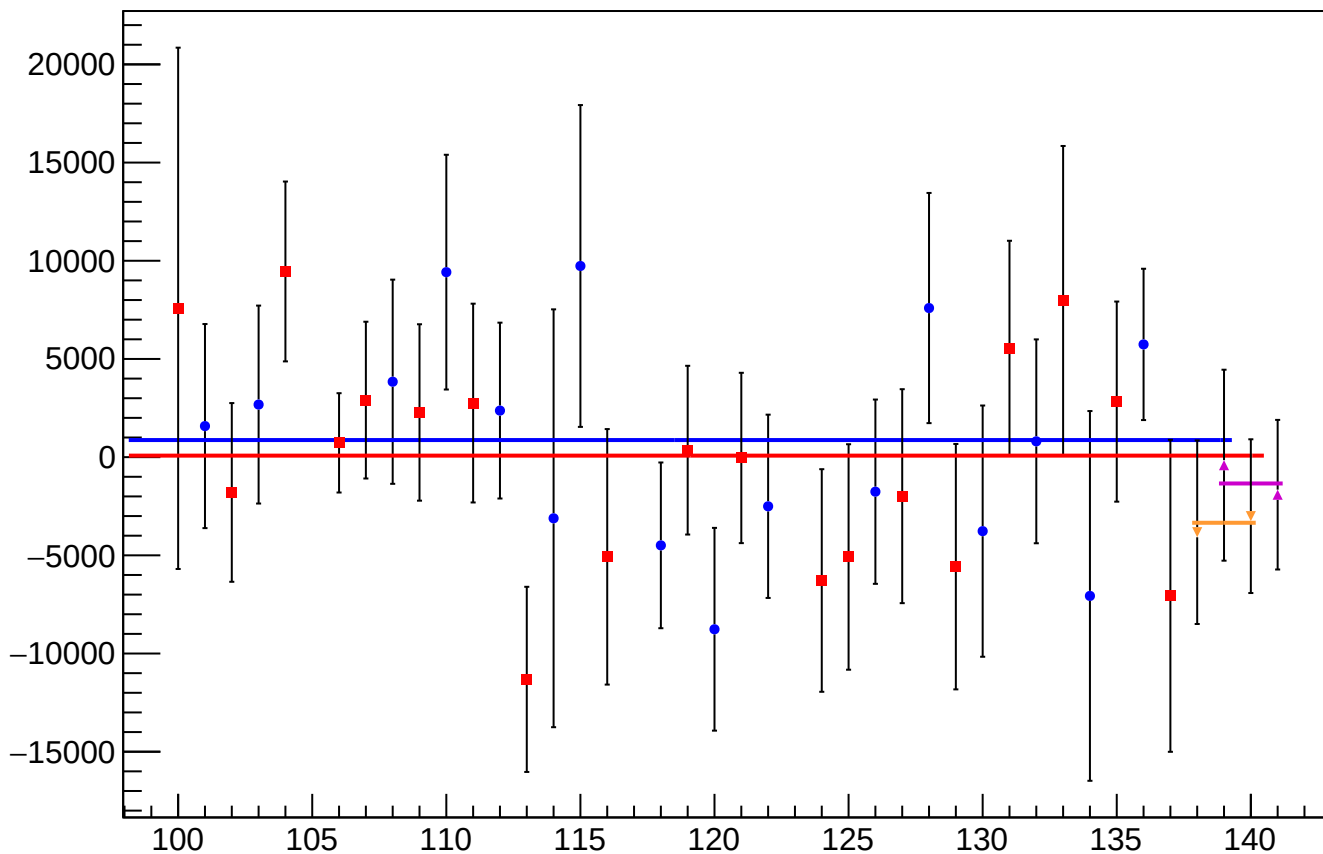
Left In: 1312.384+/-0.705 χ^2/NDF : 216.7/1

+ sign 1294.033+/-0.312 χ^2/NDF : 515981.5/17

All: 1297.700+/-0.220 χ^2/NDF : 836152.2/38

- sign 1301.294+/-0.309 χ^2/NDF : 319897.7/20

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 870.295 ± 1325.278 $\chi^2/\text{NDF}: 14.0/15$

Left Out: -3341.980 ± 3000.918 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 77.323 ± 1111.074 $\chi^2/\text{NDF}: 18.4/18$

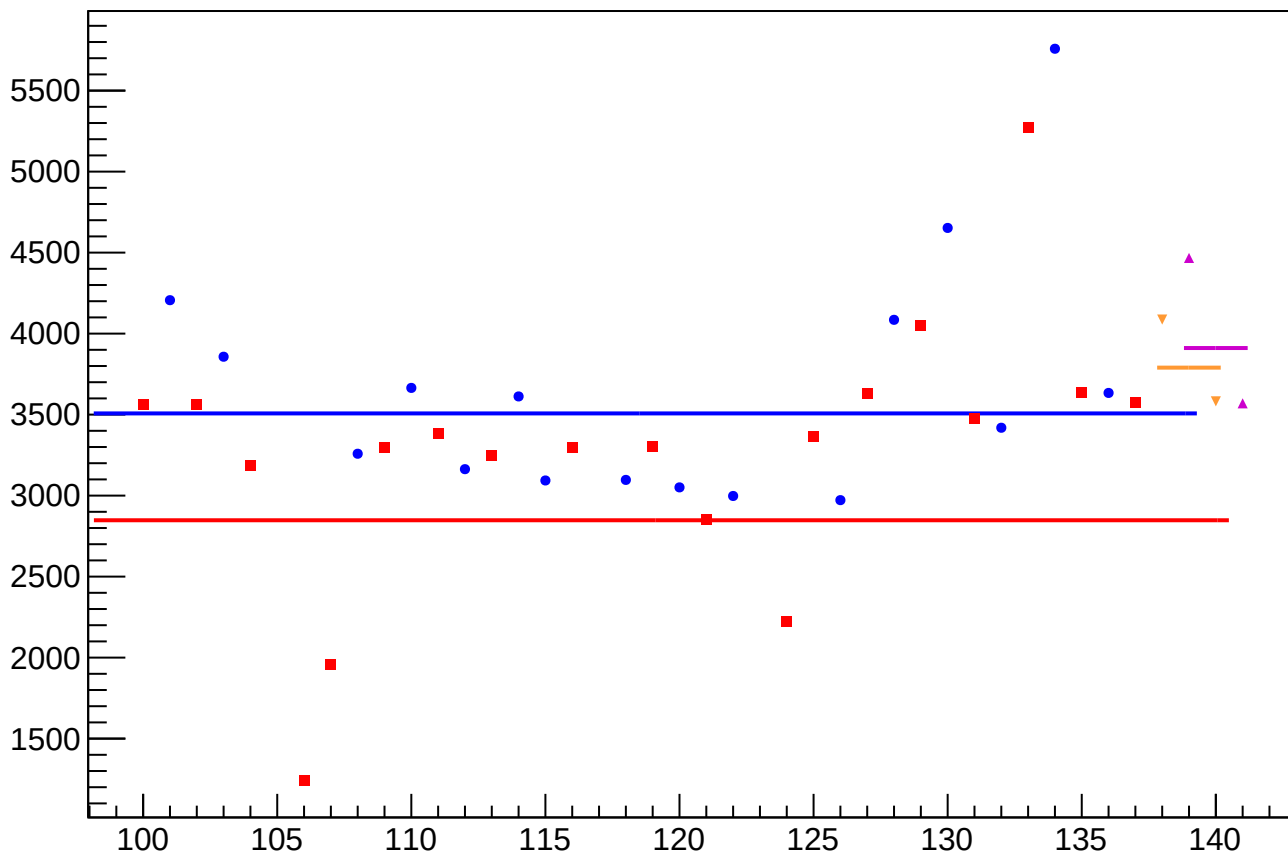
Left In: -1340.957 ± 2998.457 $\chi^2/\text{NDF}: 0.1/1$

+ sign 182.842 ± 1212.320 $\chi^2/\text{NDF}: 15.7/17$

All: 23.658 ± 790.154 $\chi^2/\text{NDF}: 34.4/38$

- sign -93.905 ± 1041.848 $\chi^2/\text{NDF}: 18.6/20$

asym_atl1r2_dd_atl2r1_dd_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

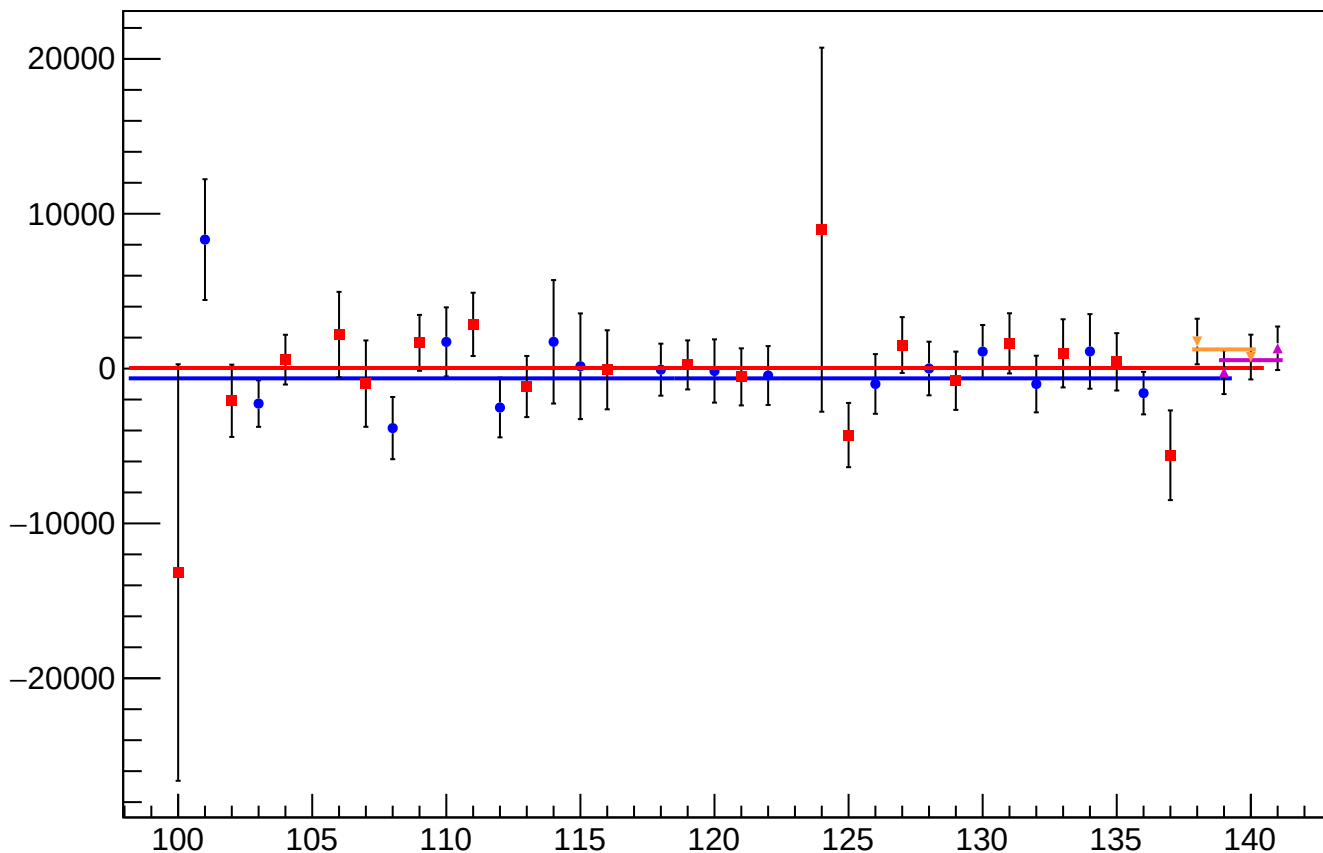
Left In: 3910.991 $\pm$ 2.120 χ^2/NDF :42242.3/1

+ sign 3553.520 $\pm$ 0.857 χ^2/NDF : 382542.1/17

All: 3221.441 $\pm$ 0.559 χ^2/NDF : 2406133.0/38

- sign 2976.187 $\pm$ 0.737 χ^2/NDF : 1762697.4/20

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

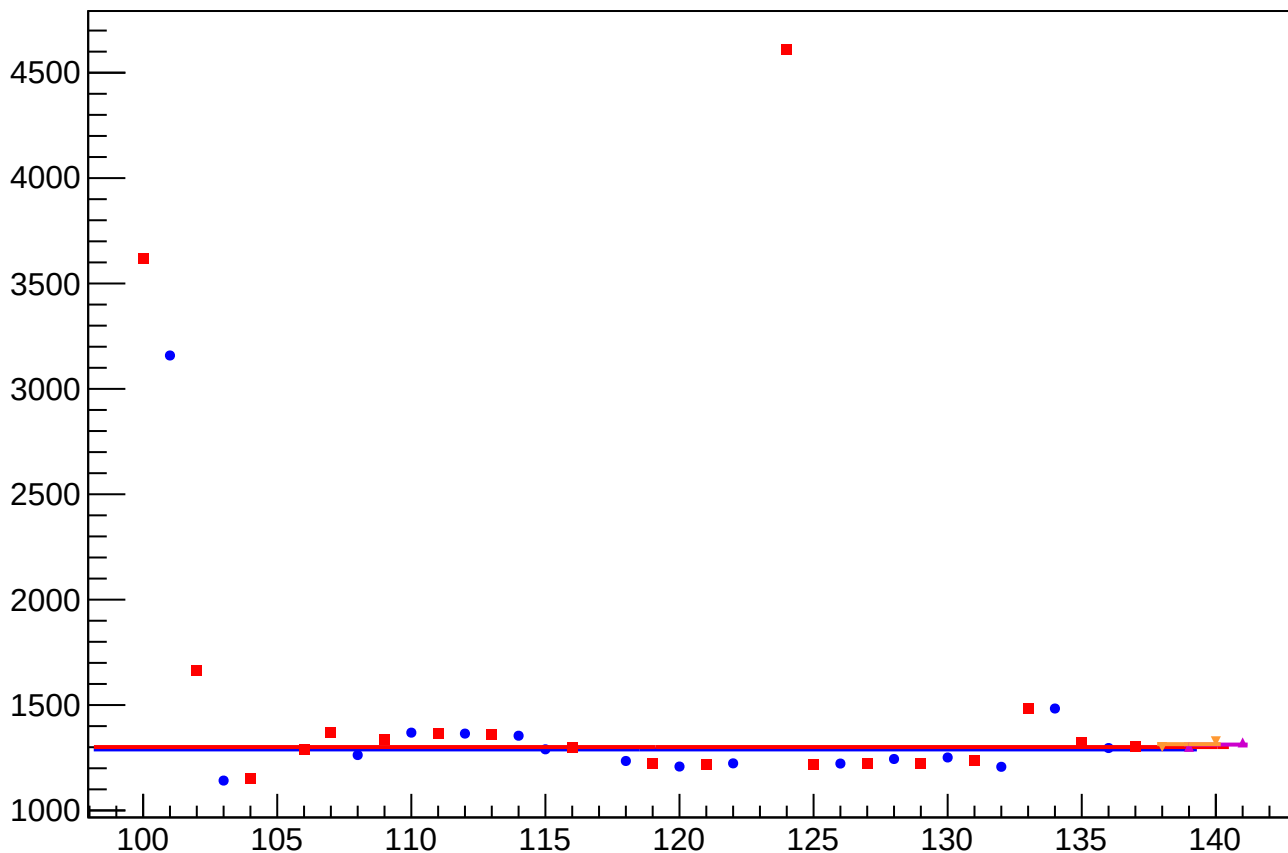
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -74.633+/-311.130 χ^2/NDF : 34.4/38

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 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

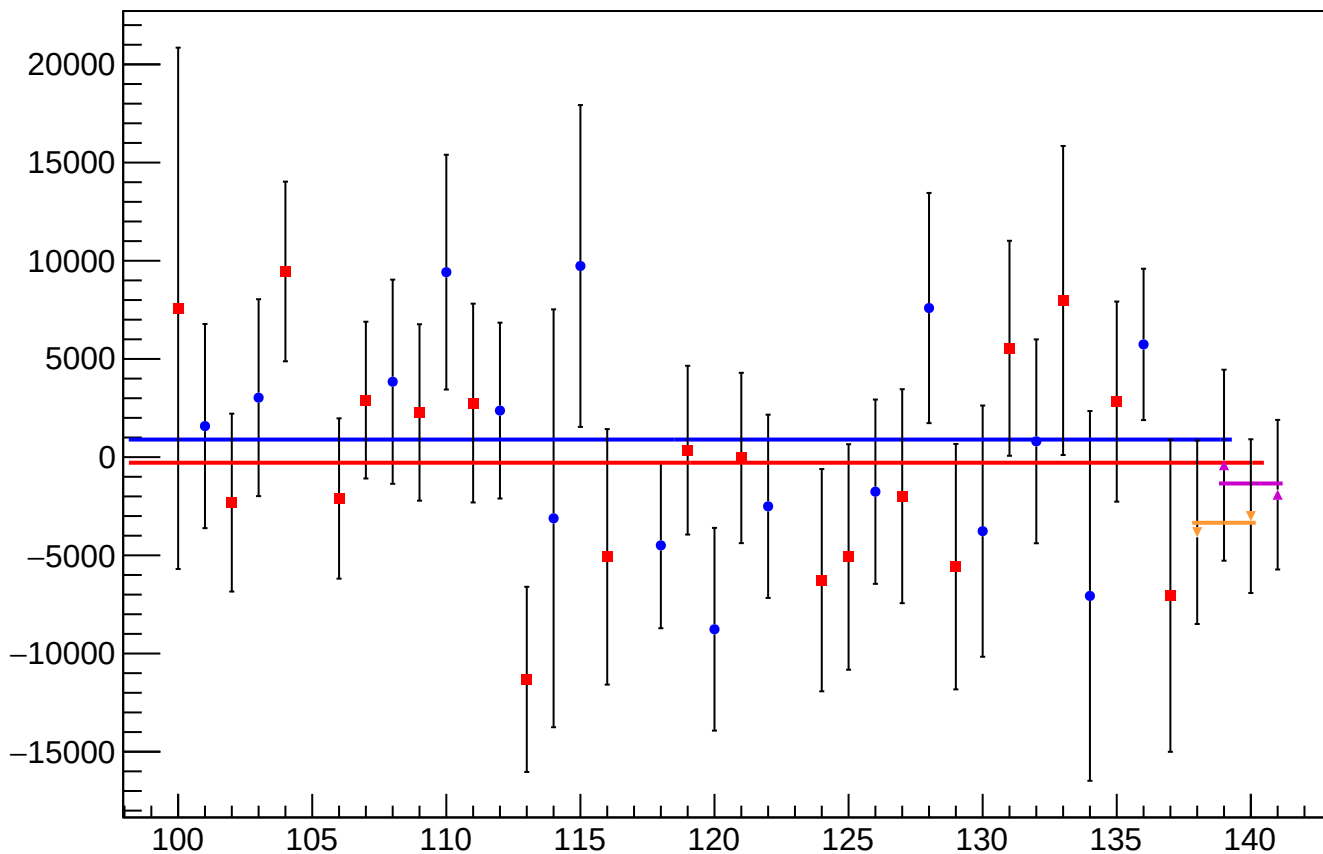
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1298.524 $\pm$ 0.220 χ^2 /NDF: 842739.8/38

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3342.029 ± 3000.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

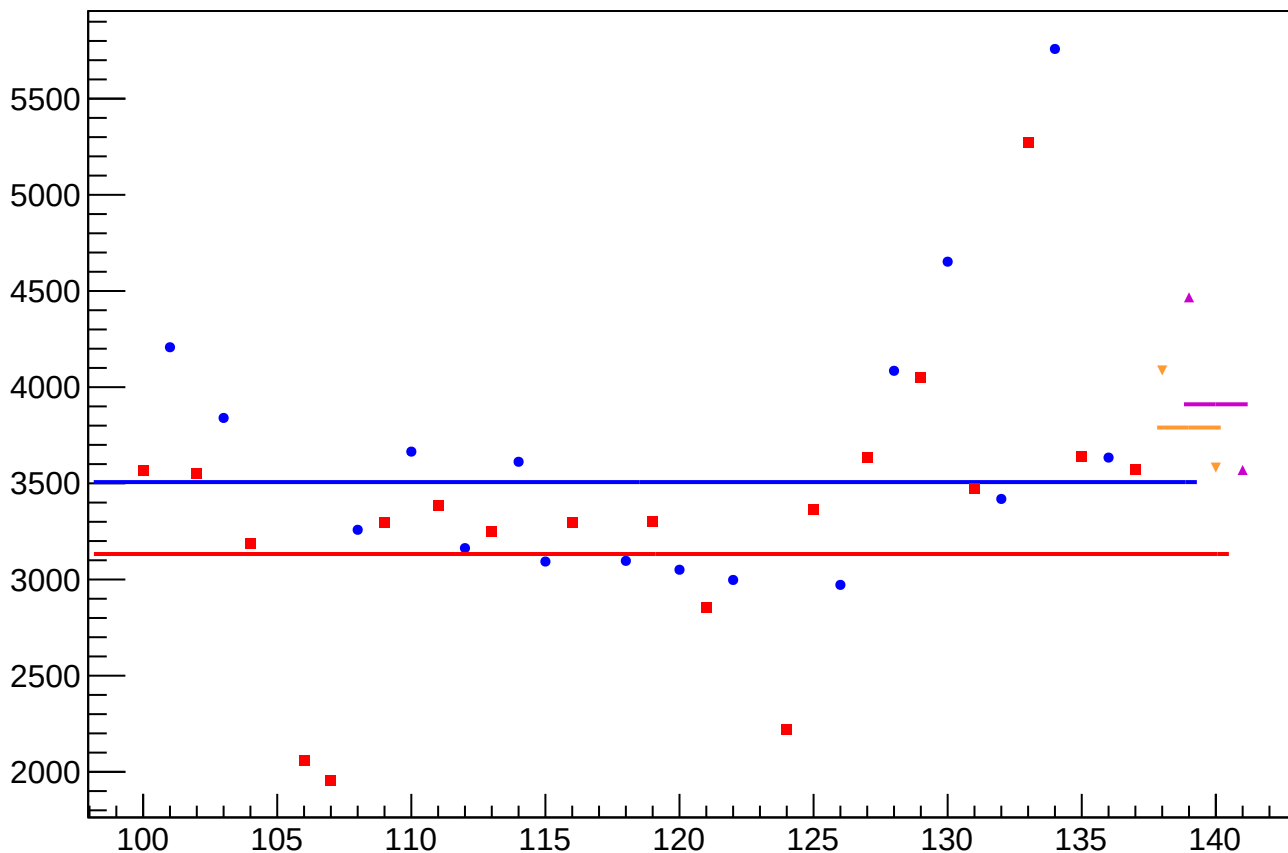
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign 204.754 ± 1211.971 $\chi^2/\text{NDF}: 15.8/17$

All: -141.134 ± 814.771 $\chi^2/\text{NDF}: 34.7/38$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

asym_atl1r2_dd_atl2r1_dd_dd_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

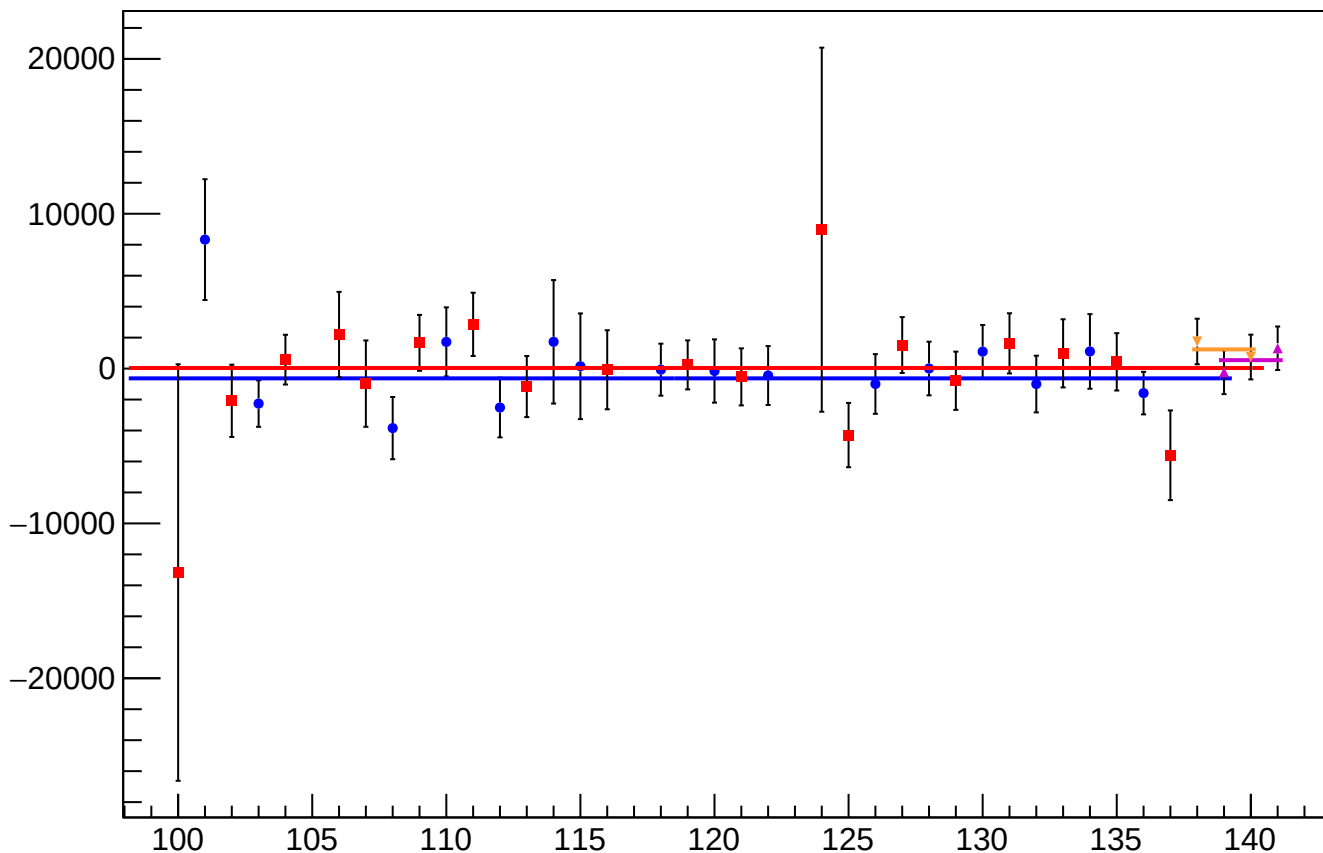
Left In: 3910.982+/-2.120 χ^2/NDF :42241.5/1

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3379.943+/-0.576 χ^2/NDF : 1264547.0/38

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

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

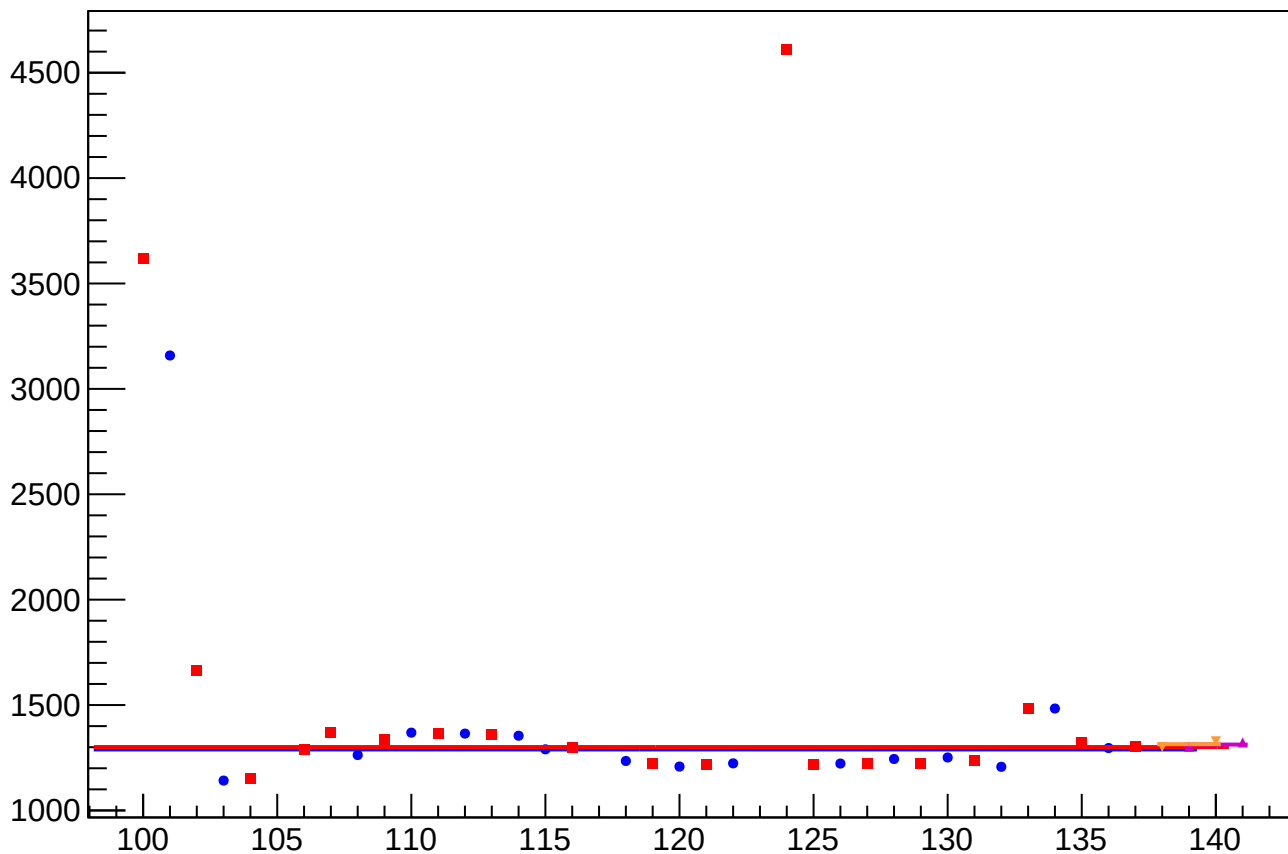
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -288.722+/-441.622 χ^2/NDF : 16.8/17

All: -74.633+/-311.130 χ^2/NDF : 34.4/38

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 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

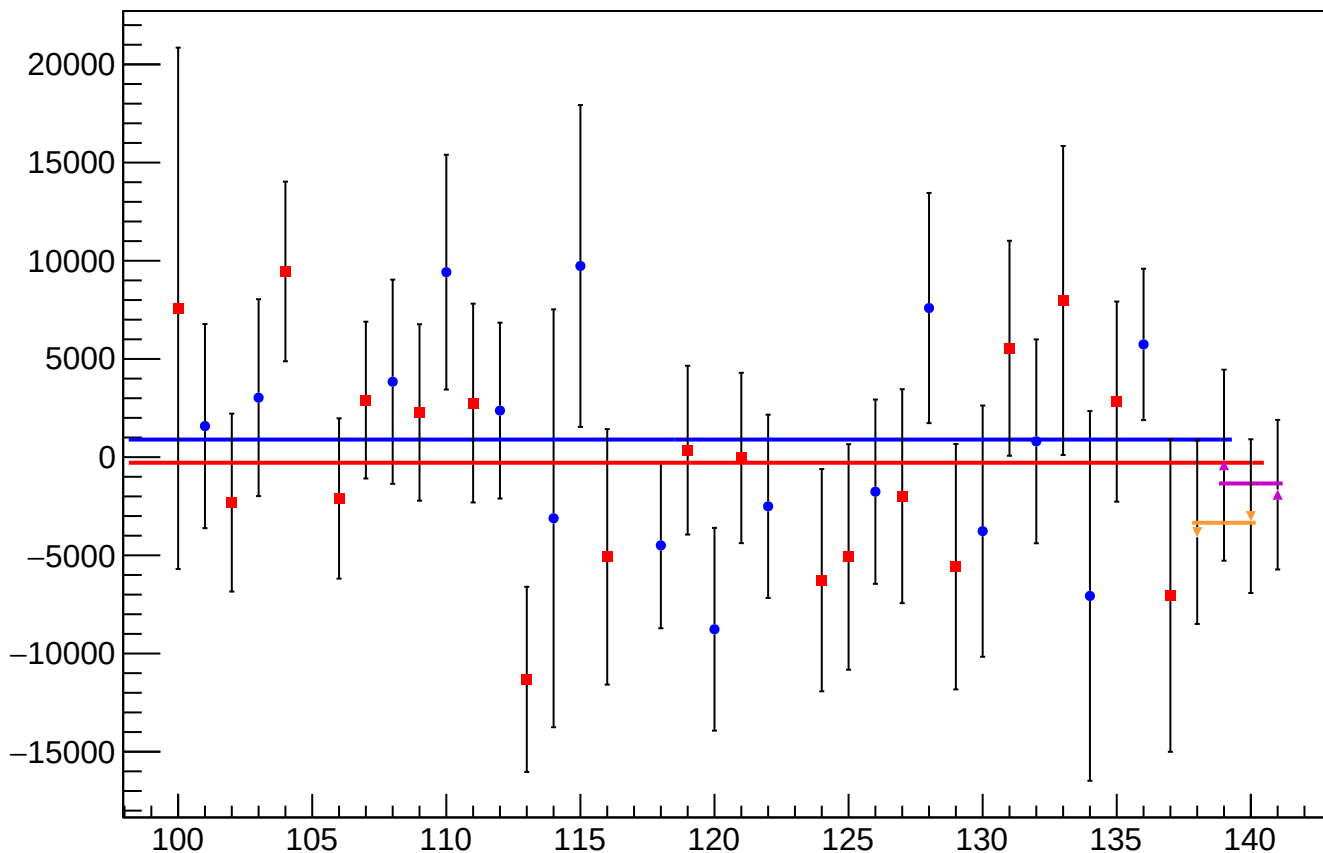
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

+ sign 1294.032 $\pm$ 0.312 χ^2 /NDF: 515983.0/17

All: 1298.524 $\pm$ 0.220 χ^2 /NDF: 842739.8/38

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3342.029 ± 3000.914 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

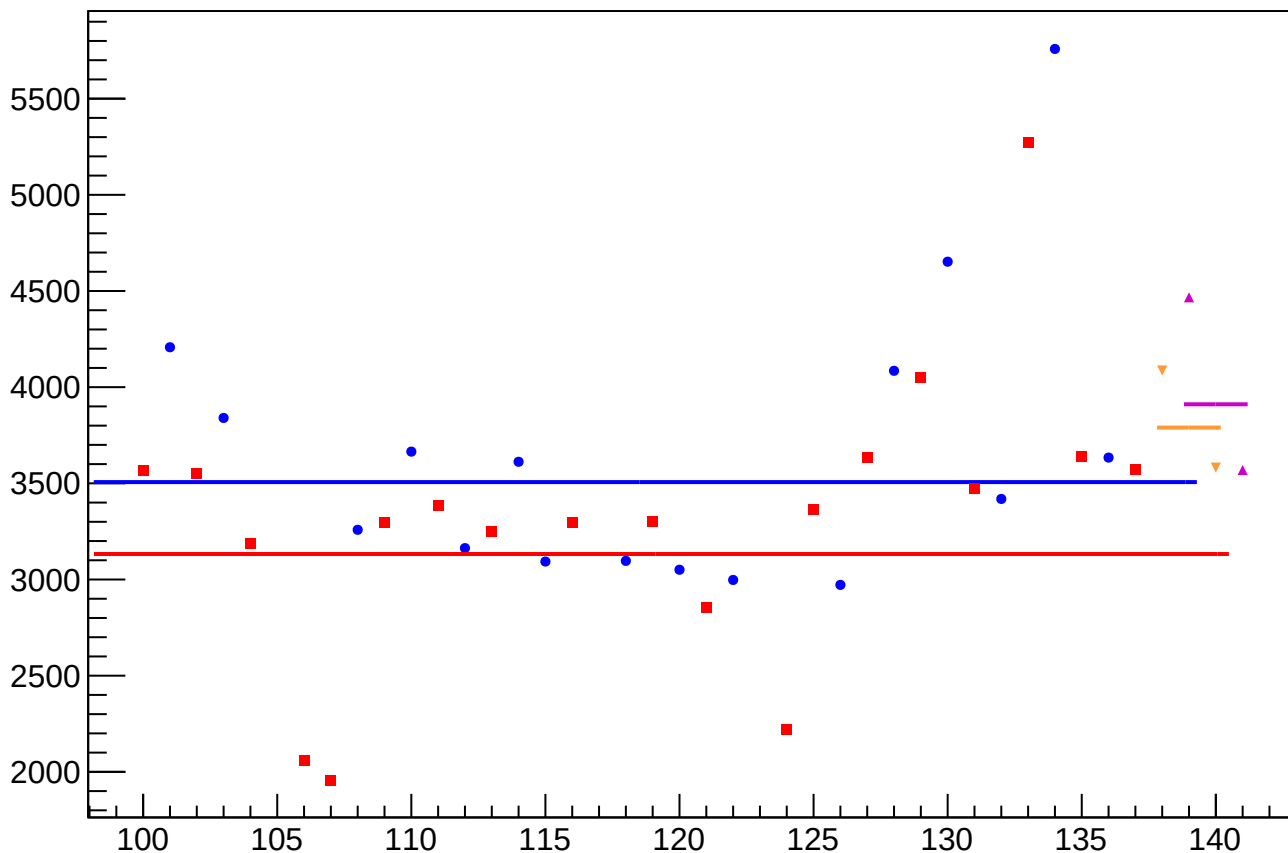
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign 204.754 ± 1211.971 $\chi^2/\text{NDF}: 15.8/17$

All: -141.134 ± 814.771 $\chi^2/\text{NDF}: 34.7/38$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

asym_atl1r2_dd_atl2r1_dd_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

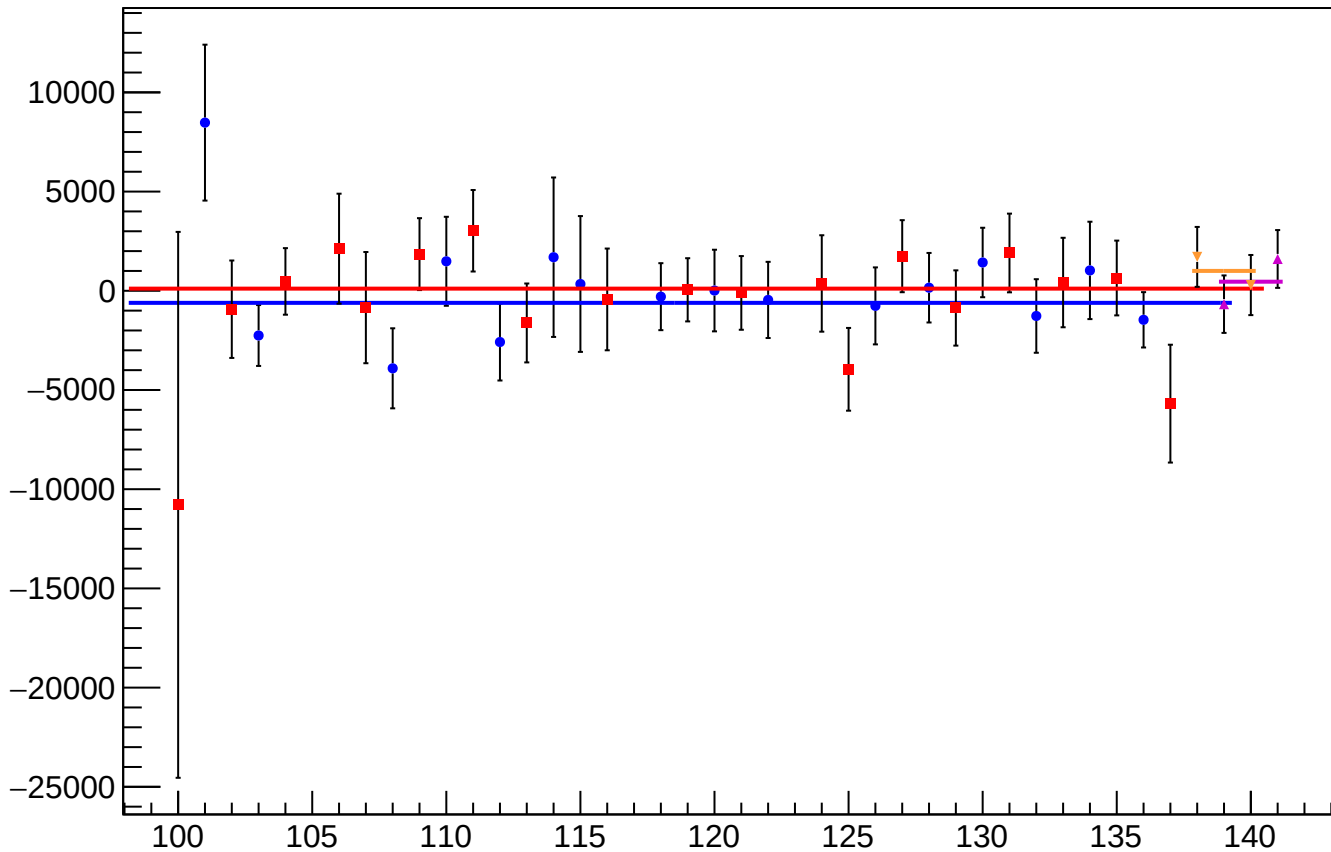
Left In: 3910.982+/-2.120 χ^2/NDF :42241.5/1

+ sign 3552.729+/-0.857 χ^2/NDF : 381898.2/17

All: 3379.943+/-0.576 χ^2/NDF : 1264547.0/38

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 1001.801 ± 1069.457 χ^2/NDF : 0.4/1

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

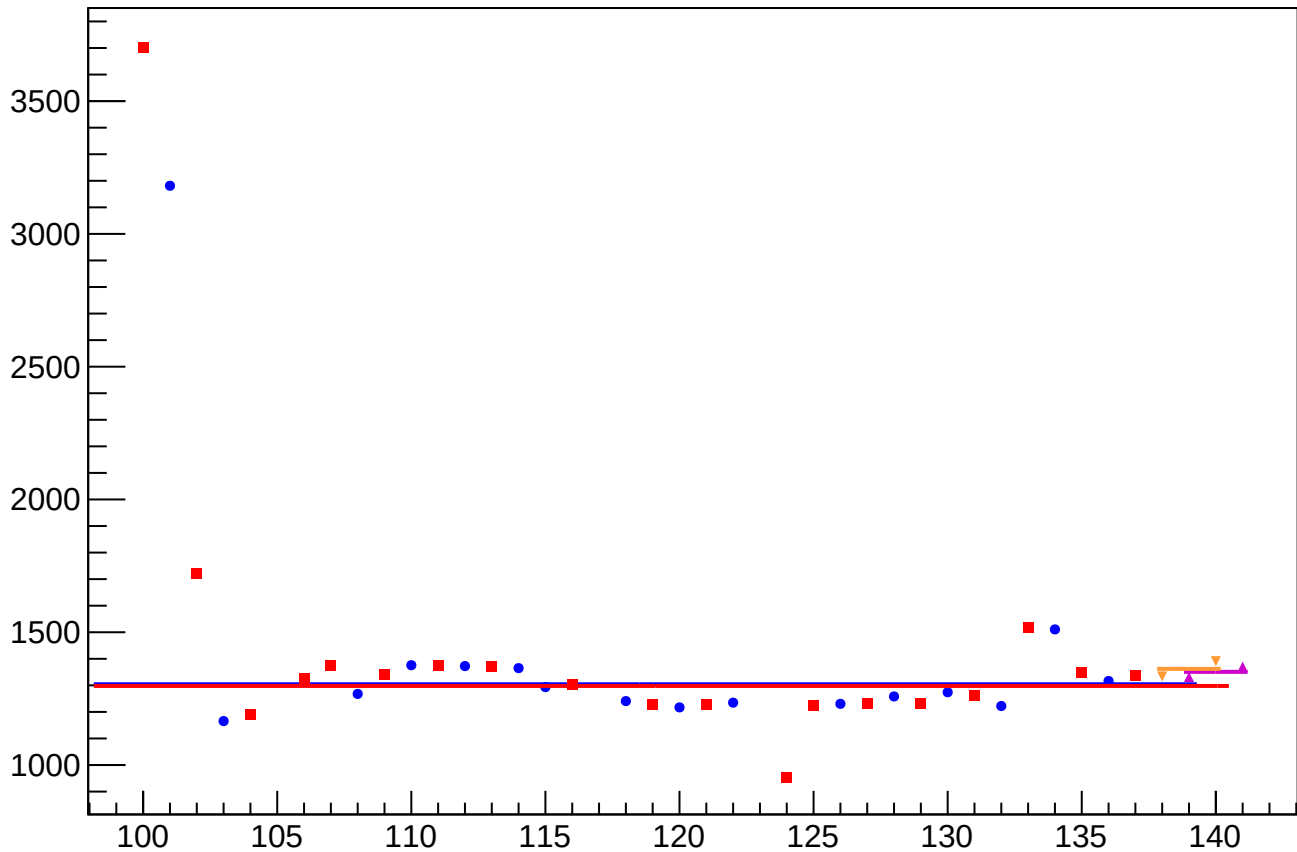
Left In: 458.128 ± 1026.913 χ^2/NDF : 1.2/1

+ sign -324.610 ± 448.603 χ^2/NDF : 16.4/17

All: -70.666 ± 313.745 χ^2/NDF : 33.2/38

- sign 172.476 ± 438.958 χ^2/NDF : 16.2/20

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102 $\pm$ 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

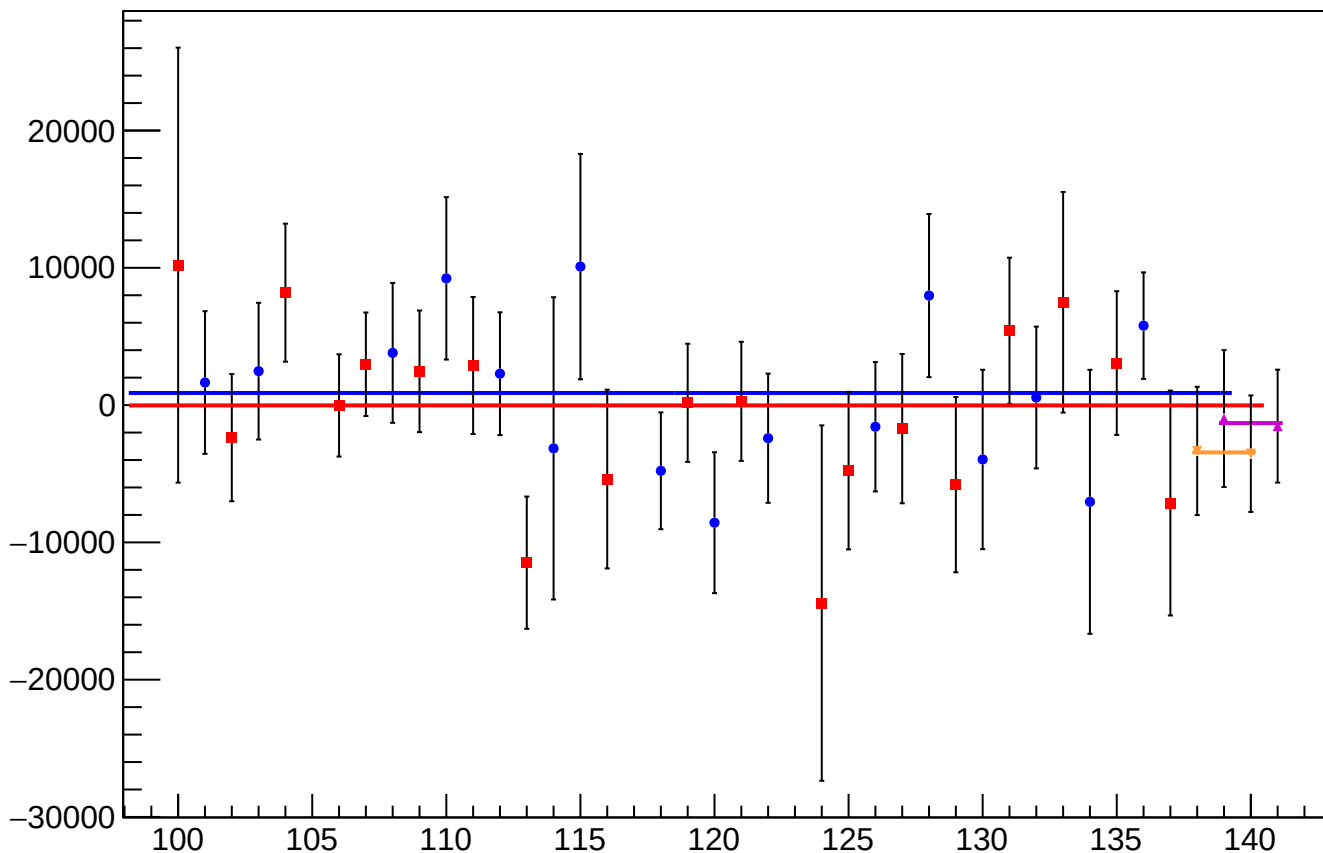
Left In: 1350.869 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1314.303 $\pm$ 0.317 χ^2 /NDF: 516873.2/17

All: 1310.816 $\pm$ 0.222 χ^2 /NDF: 735286.5/38

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.0/20

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: 884.058 ± 1327.399 χ^2/NDF : 14.1/15

Left Out: -3448.190 ± 3141.914 χ^2/NDF : 0.0/1

Right Out: -20.681 ± 1200.015 χ^2/NDF : 16.8/18

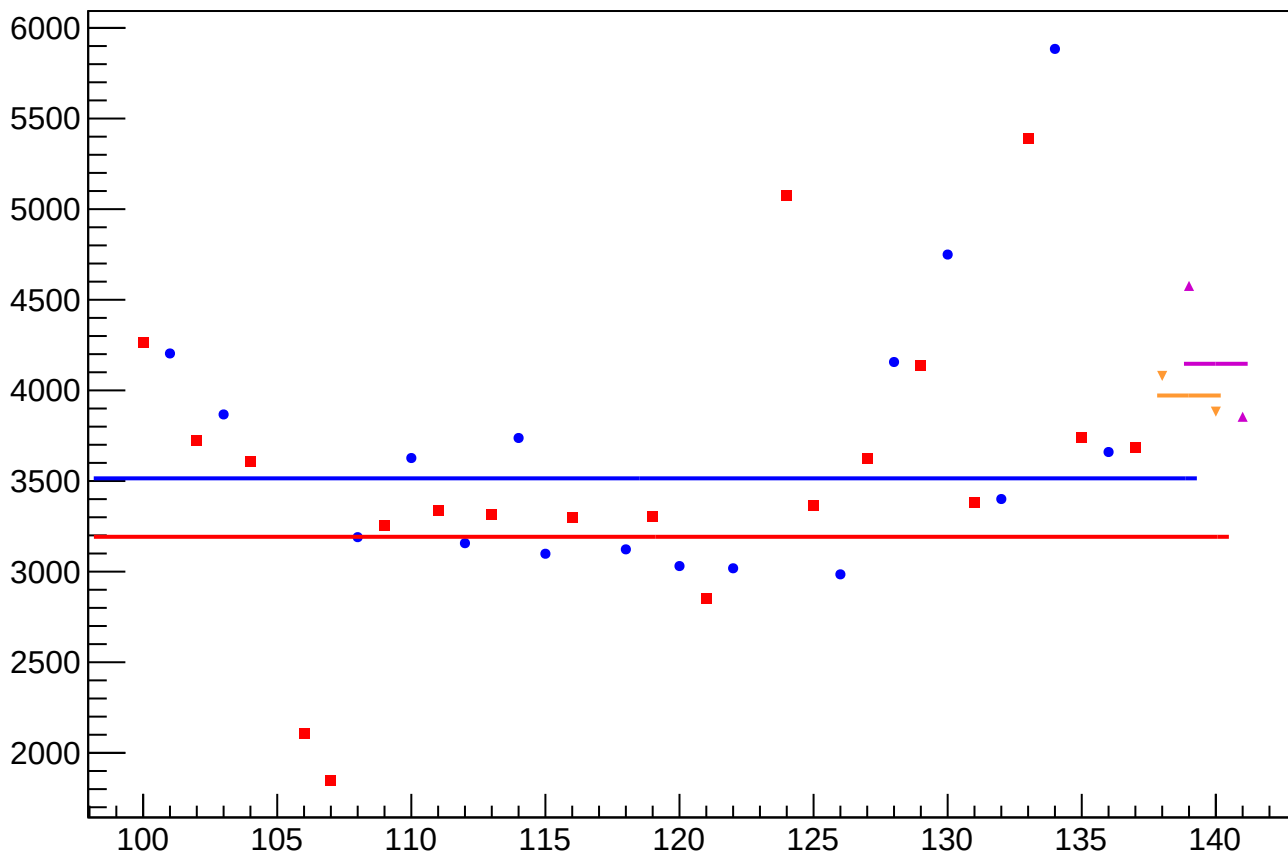
Left In: -1309.261 ± 3173.459 χ^2/NDF : 0.0/1

+ sign 227.910 ± 1222.752 χ^2/NDF : 15.7/17

All: 5.517 ± 826.880 χ^2/NDF : 32.8/38

- sign -181.885 ± 1122.446 χ^2/NDF : 17.0/20

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

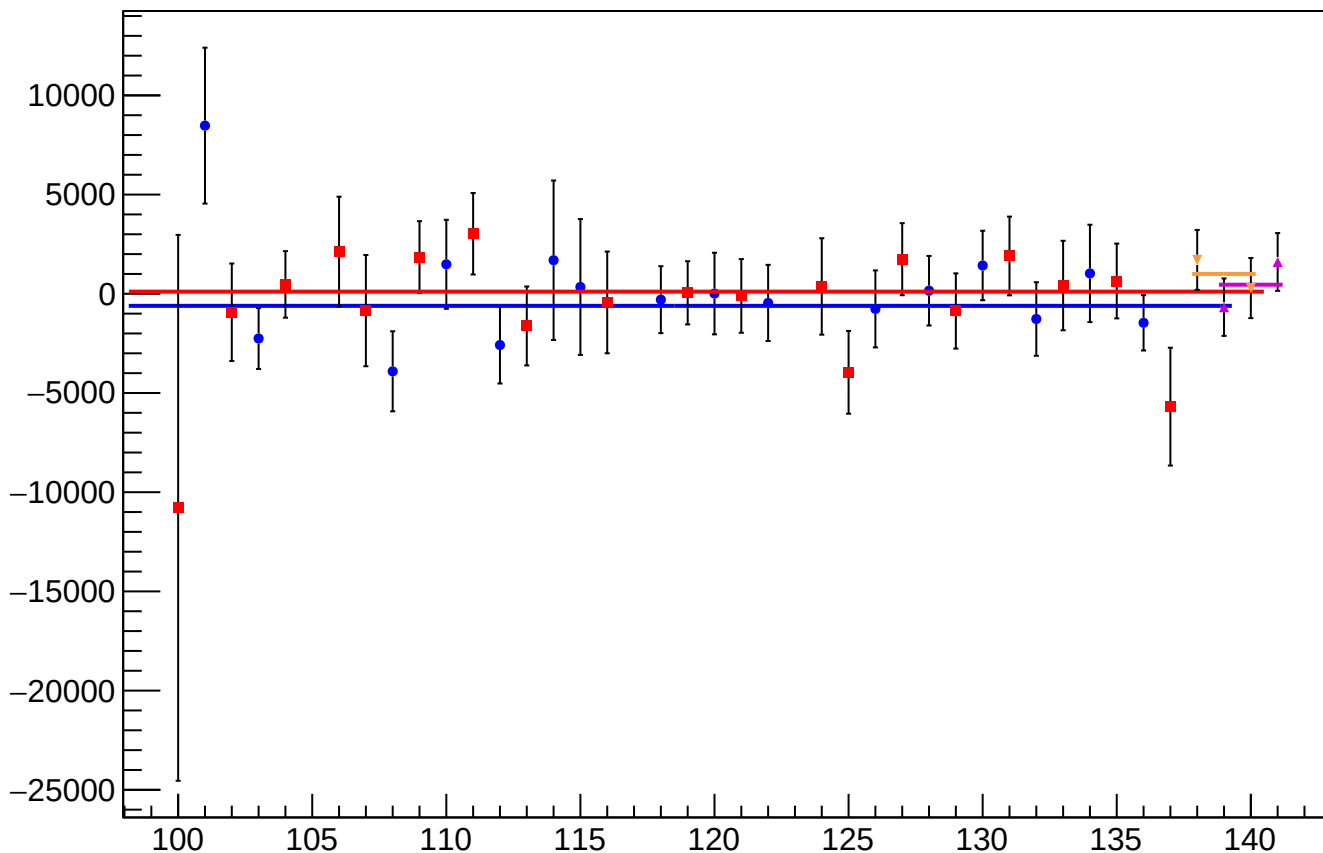
Left In: 4146.801+/-2.244 χ^2/NDF : 24941.6/1

+ sign 3583.970+/-0.865 χ^2/NDF : 412942.2/17

All: 3436.170+/-0.585 χ^2/NDF : 1422553.7/38

- sign 3311.626+/-0.794 χ^2/NDF : 955766.8/20

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

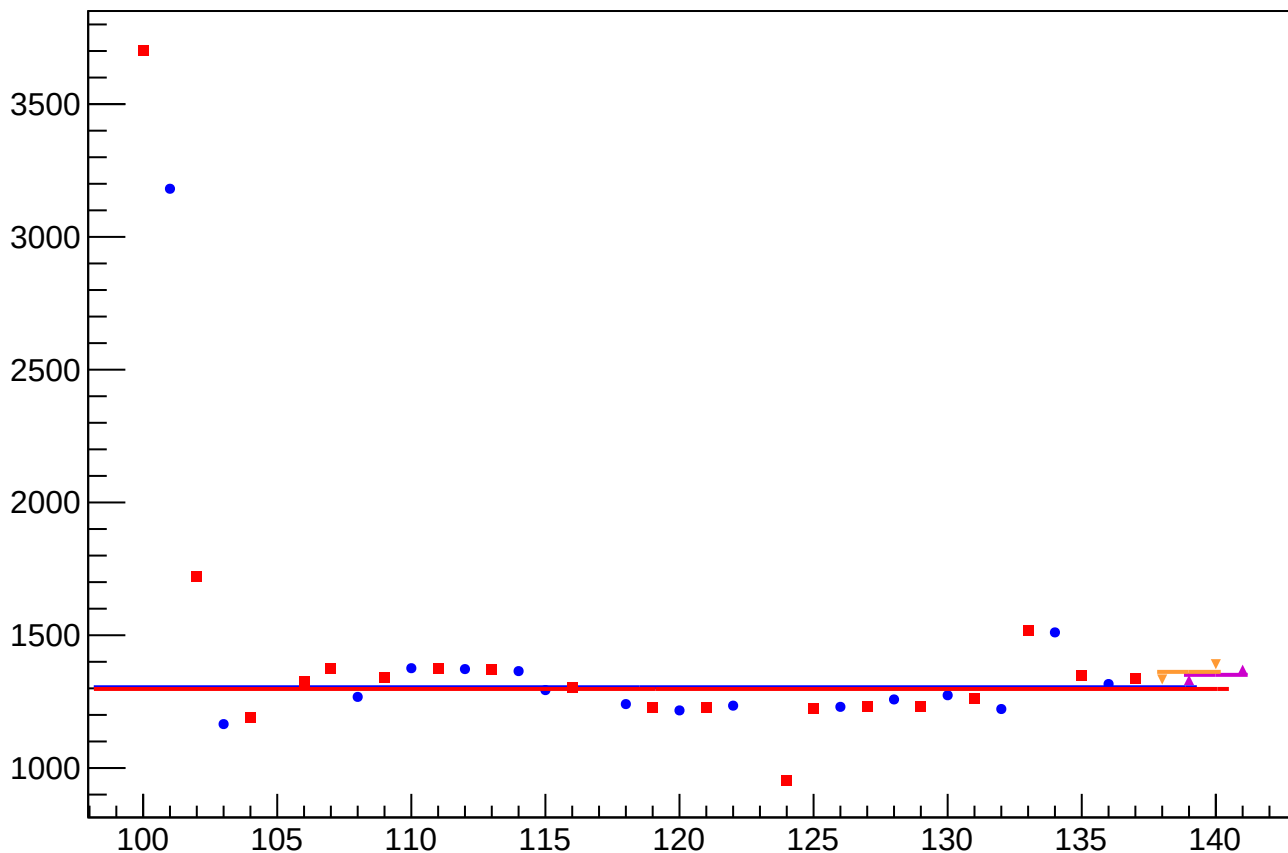
Left In: 458.120+/-1026.914 χ^2/NDF : 1.2/1

+ sign -324.614+/-448.603 χ^2/NDF : 16.4/17

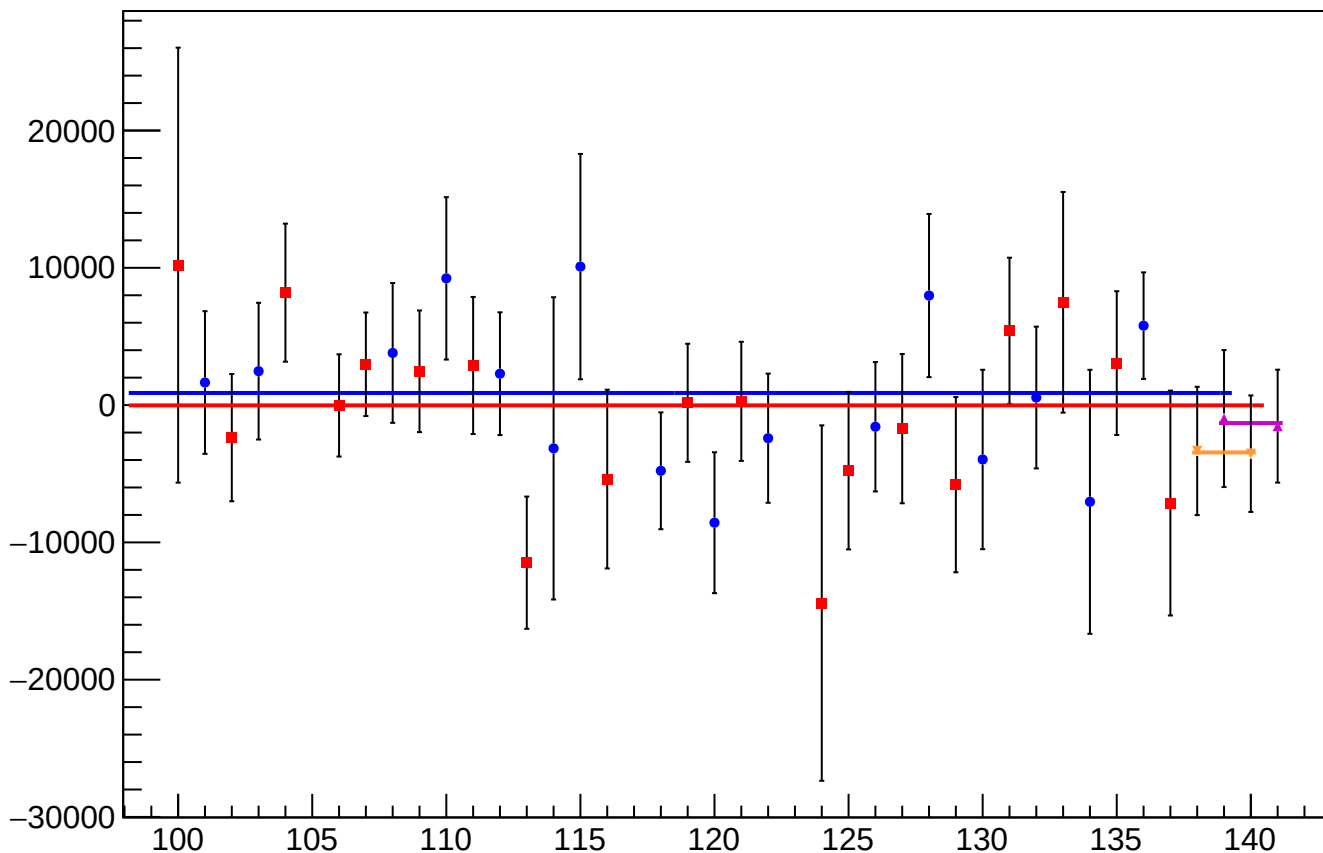
All: -70.666+/-313.745 χ^2/NDF : 33.2/38

- sign 172.479+/-438.958 χ^2/NDF : 16.2/20

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 $\pm$ 1327.396 χ^2 /NDF: 14.1/15

Left Out: -3448.191 $\pm$ 3141.919 χ^2 /NDF:0.0/1

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

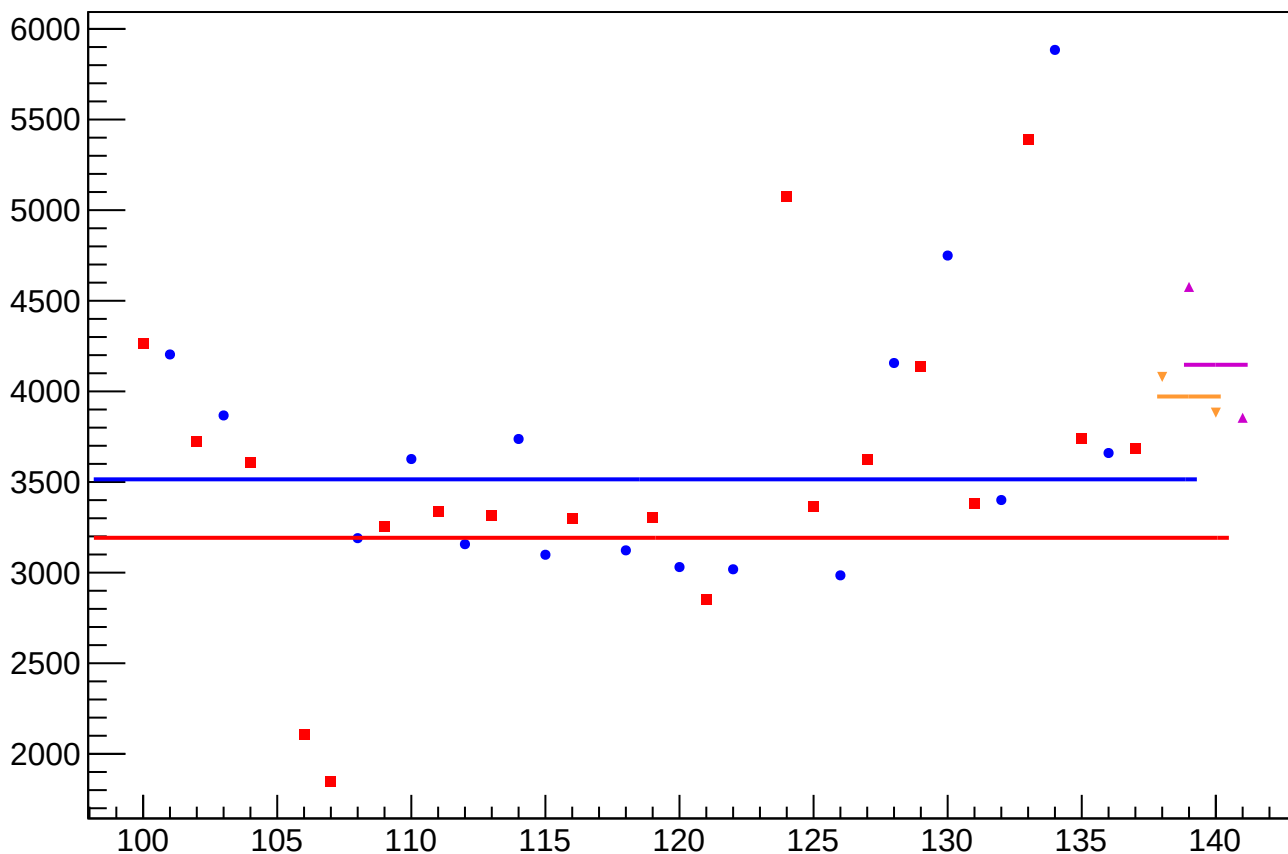
Left In: -1309.271 $\pm$ 3173.463 χ^2 /NDF:0.0/1

+ sign 227.905 $\pm$ 1222.750 χ^2 /NDF: 15.7/17

All: 5.517 $\pm$ 826.878 χ^2 /NDF: 32.8/38

- sign -181.882 $\pm$ 1122.443 χ^2 /NDF: 17.0/20

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

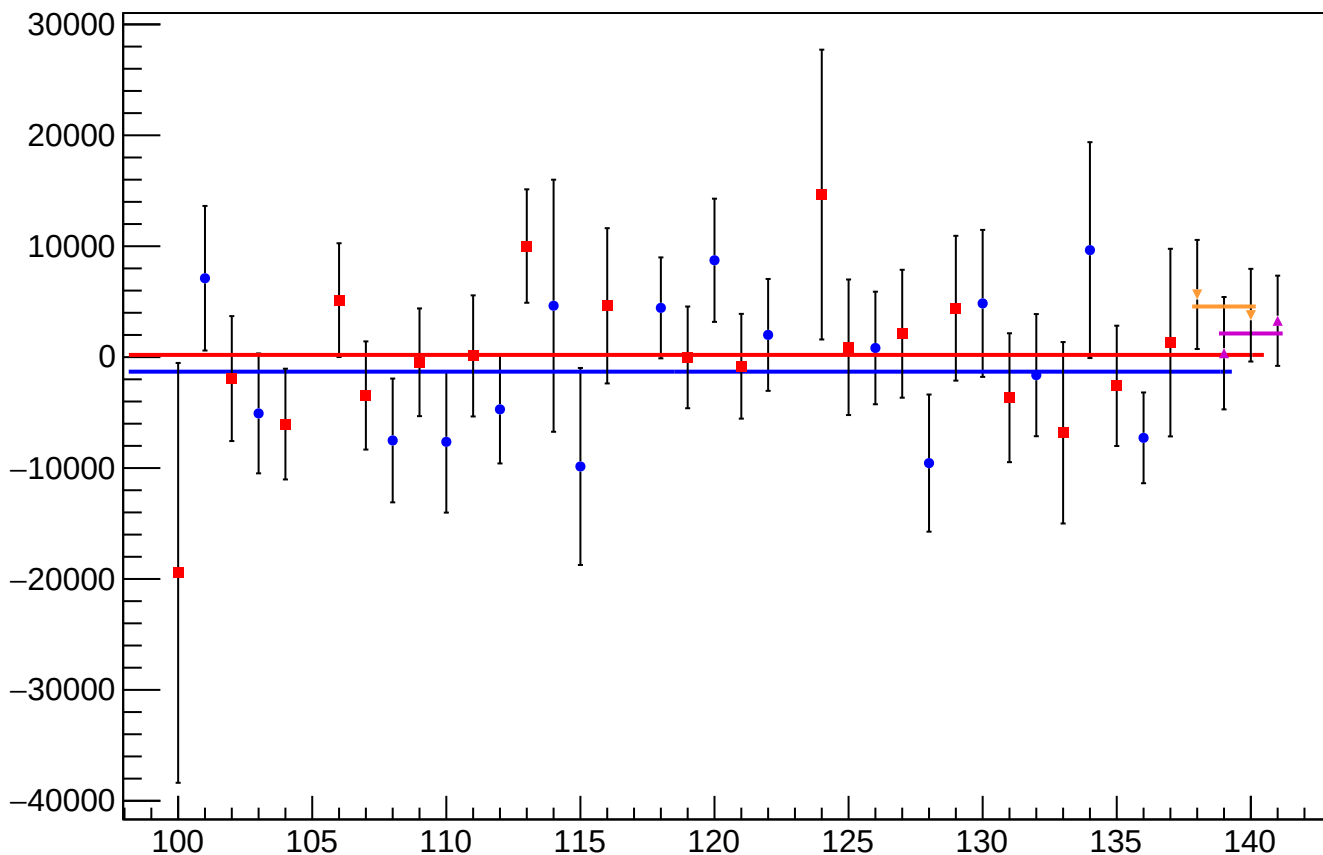
Left In: 4146.807+/-2.244 χ^2/NDF : 24942.3/1

+ sign 3583.962+/-0.865 χ^2/NDF : 412948.9/17

All: 3436.163+/-0.585 χ^2/NDF : 1422567.6/38

- sign 3311.619+/-0.794 χ^2/NDF : 955774.0/20

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF : 17.6/15

Left Out: 4566.386+/-3184.192 χ^2/NDF : 0.1/1

Right Out: 201.593+/-1336.062 χ^2/NDF : 11.6/18

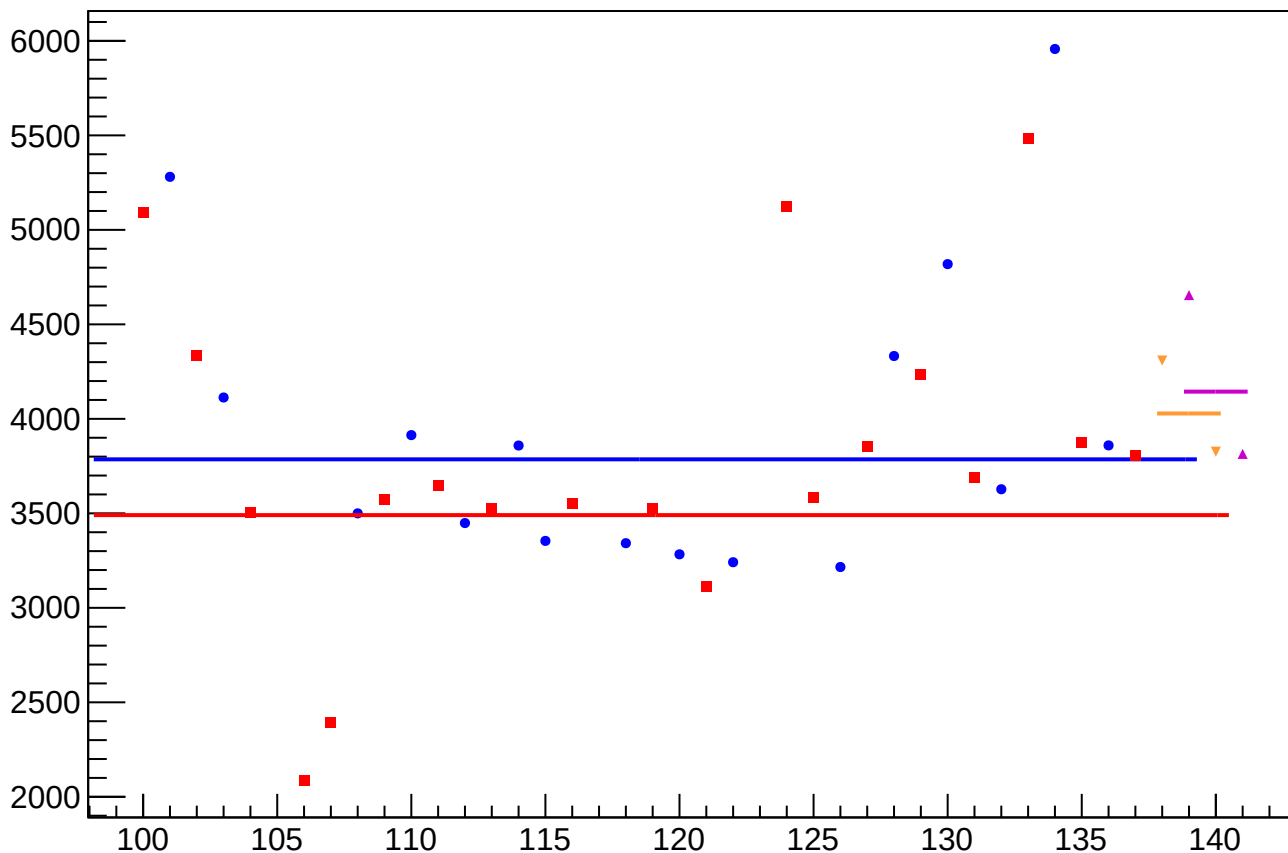
Left In: 2133.541+/-3171.289 χ^2/NDF : 0.2/1

+ sign -321.330+/-1305.722 χ^2/NDF : 20.5/17

All: 109.618+/-895.798 χ^2/NDF : 32.9/38

- sign 492.812+/-1231.253 χ^2/NDF : 12.2/20

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF : 11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

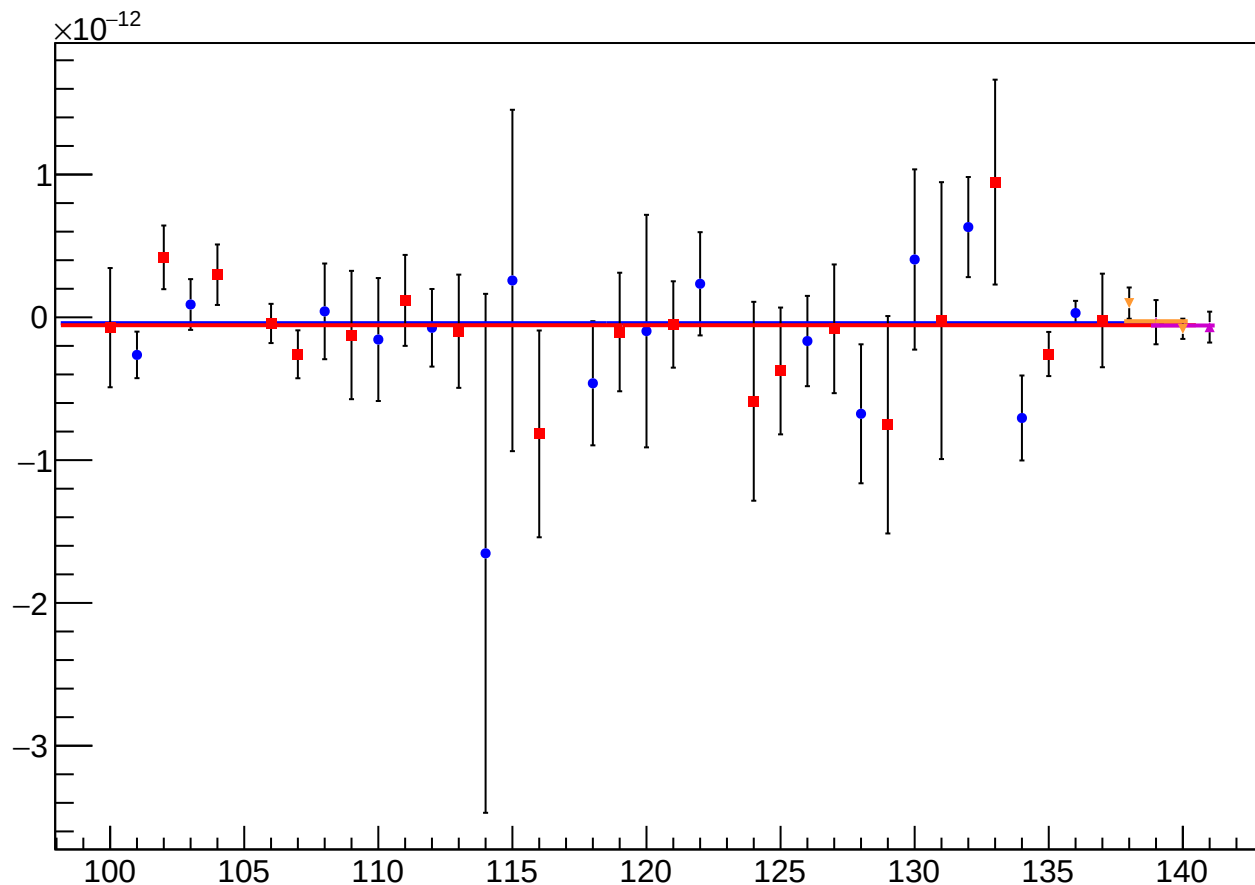
Left In: 4143.971+/-2.242 χ^2/NDF : 33477.9/1

+ sign 3826.565+/-0.923 χ^2/NDF : 403814.1/17

All: 3698.271+/-0.629 χ^2/NDF : 1132478.6/38

- sign 3586.825+/-0.861 χ^2/NDF : 692583.1/20

asym_atl1r2_dd_atl2r1_dd_dd_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

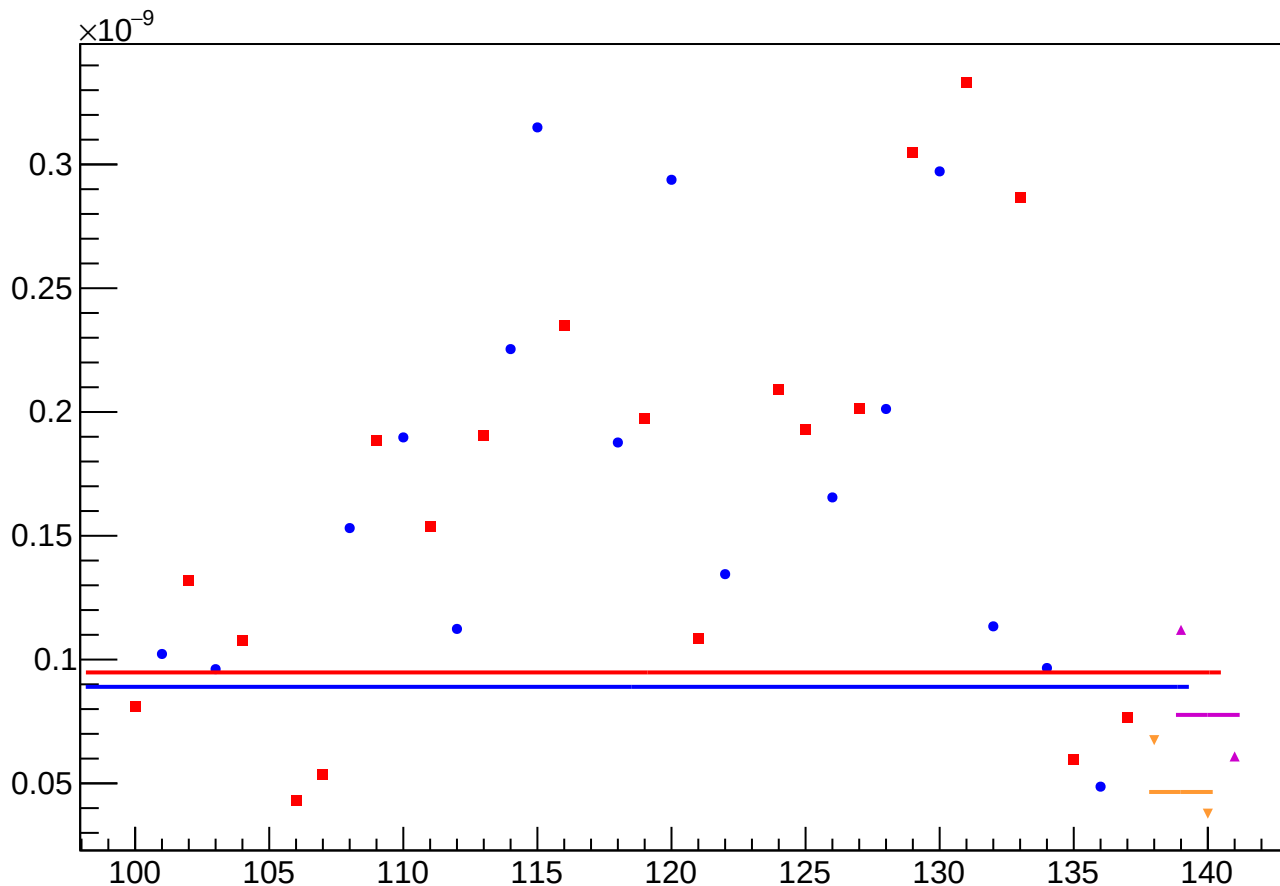
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 18.6/17

All: -0.000+/-0.000 χ^2/NDF : 34.6/38

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

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

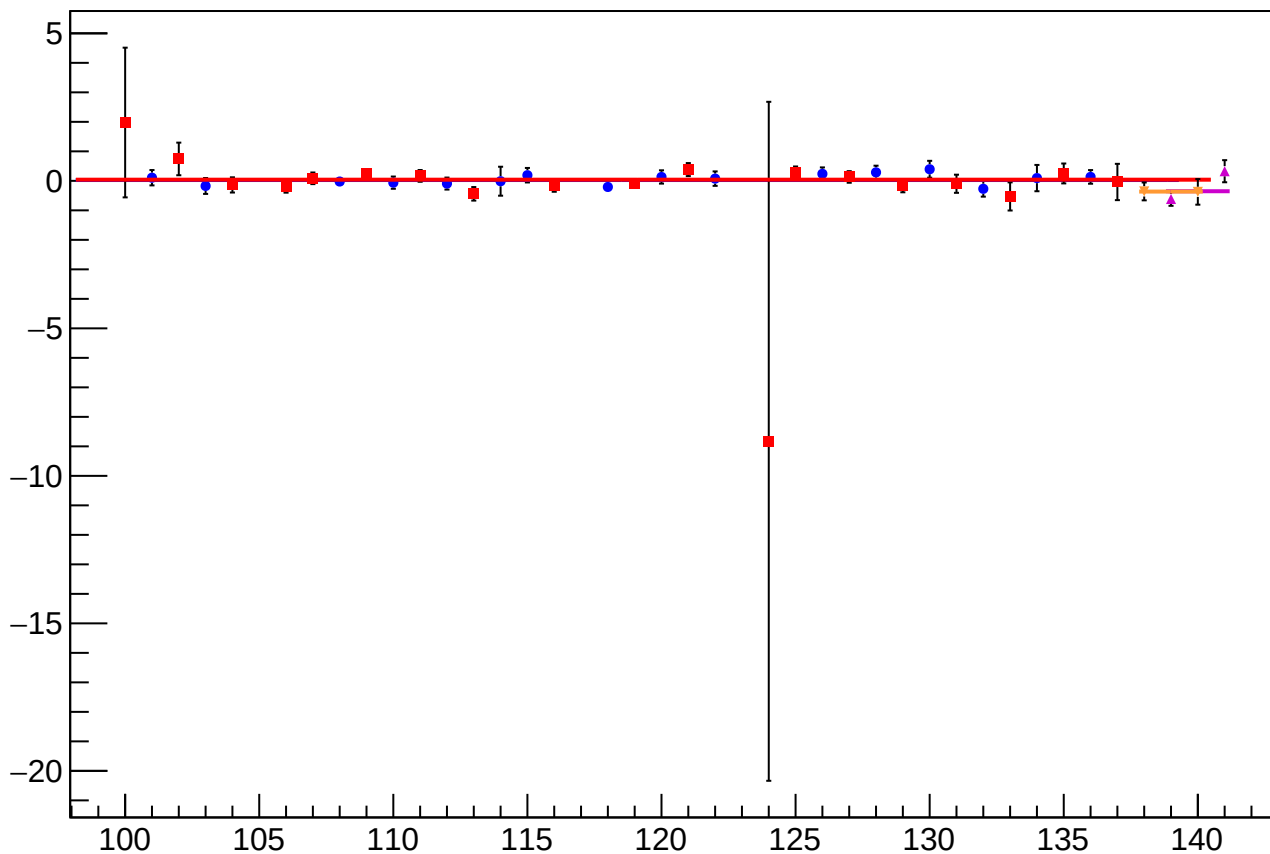
Left In: 0.000+/-0.000 χ^2/NDF : 146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2078463.8/17

All: 0.000+/-0.000 χ^2/NDF : 4207660.4/38

- sign 0.000+/-0.000 χ^2/NDF : 1930525.7/20

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 $\chi^2/\text{NDF}: 9.4/15$

Left Out: -0.363 ± 0.248 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 0.039 ± 0.055 $\chi^2/\text{NDF}: 20.0/18$

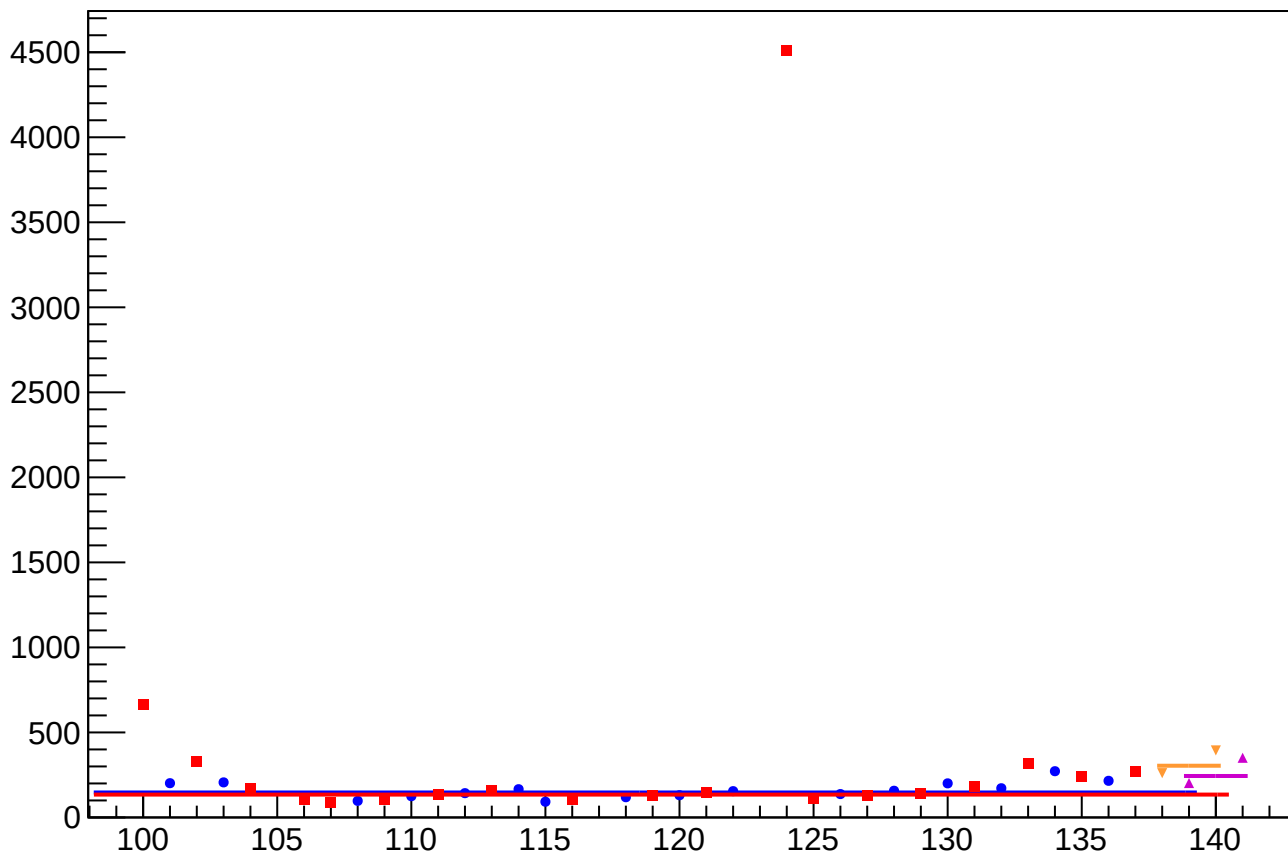
Left In: -0.352 ± 0.198 $\chi^2/\text{NDF}: 4.5/1$

+ sign 0.008 ± 0.056 $\chi^2/\text{NDF}: 11.8/17$

All: 0.010 ± 0.038 $\chi^2/\text{NDF}: 40.0/38$

- sign 0.011 ± 0.053 $\chi^2/\text{NDF}: 28.2/20$

asym_atl1r2_dd_atl2r1_dd_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

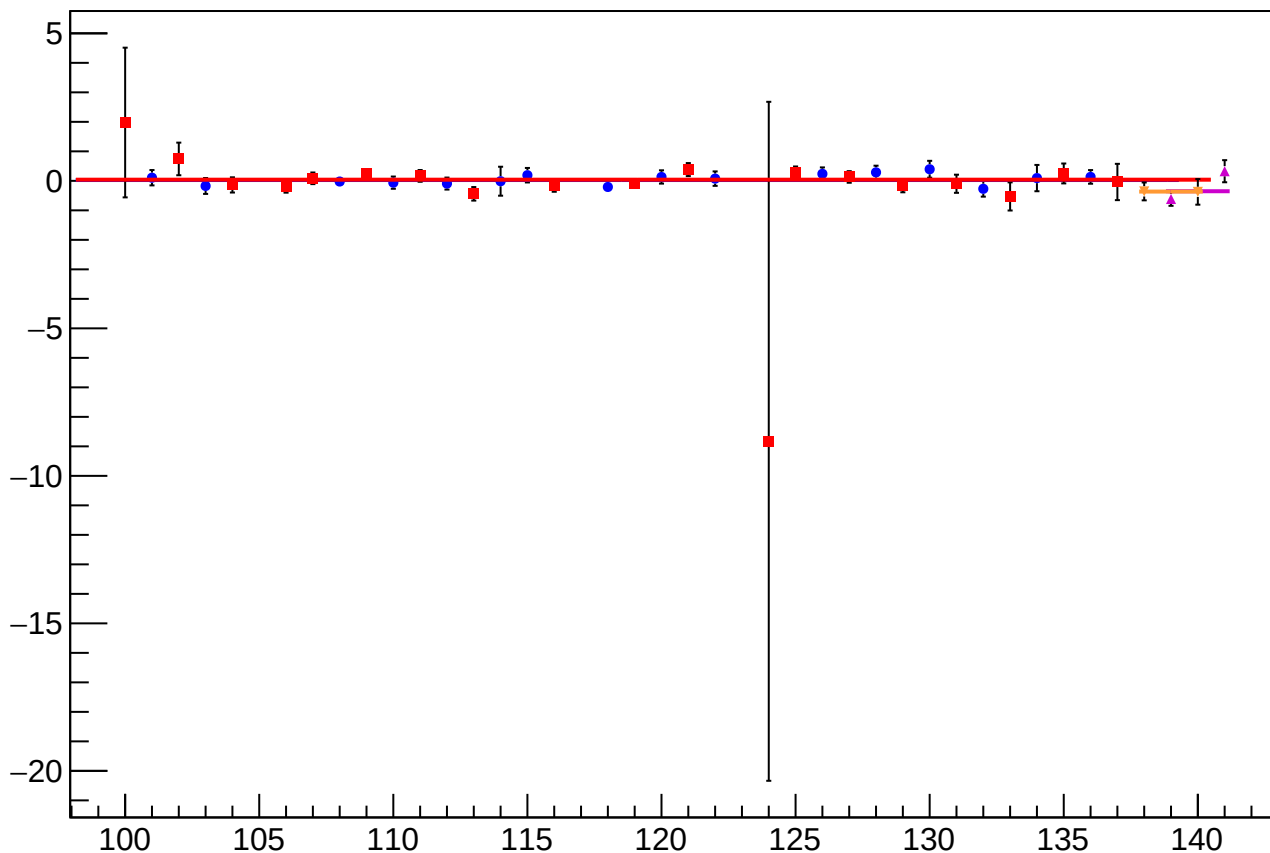
Left In: 243.847+/-0.140 χ^2/NDF :226761.4/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 148.208+/-0.027 χ^2/NDF : 4344358.7/38

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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

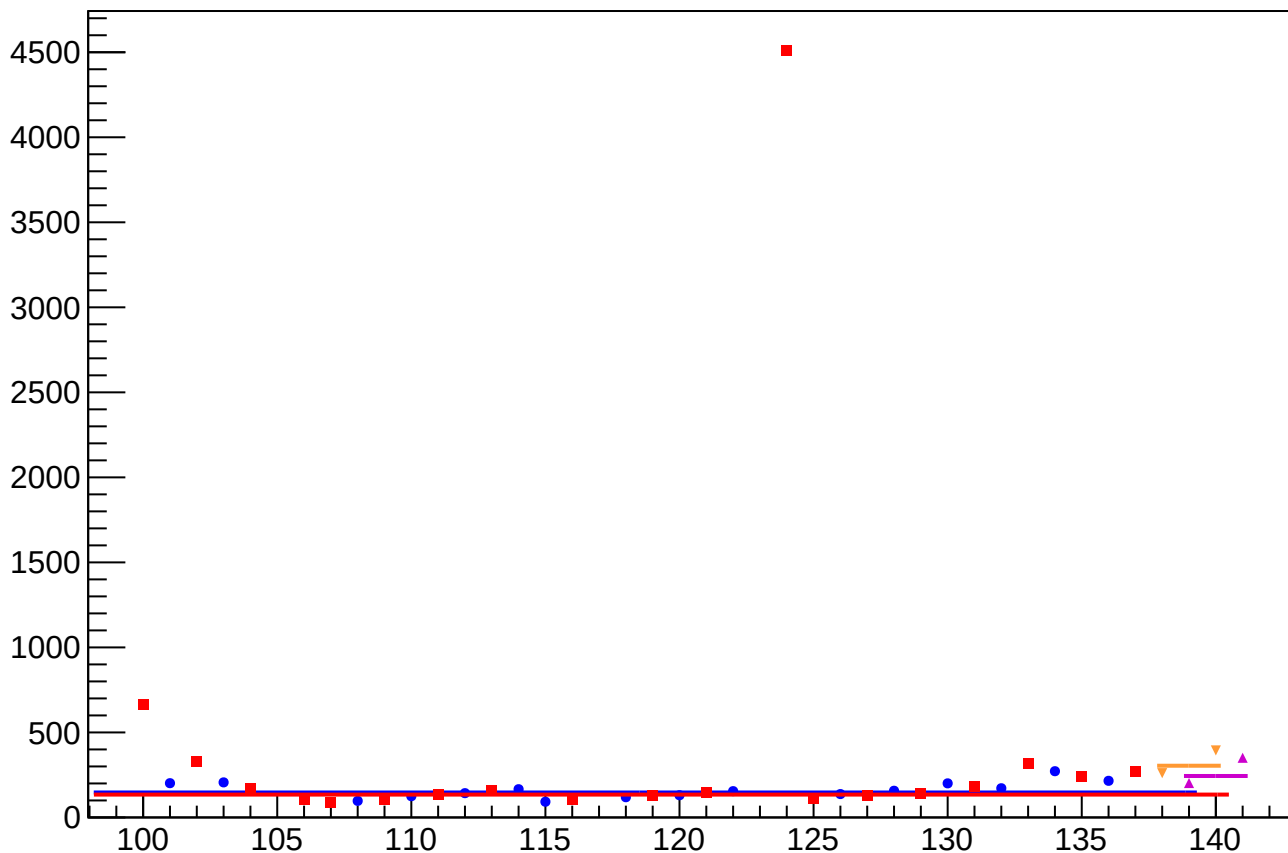
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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

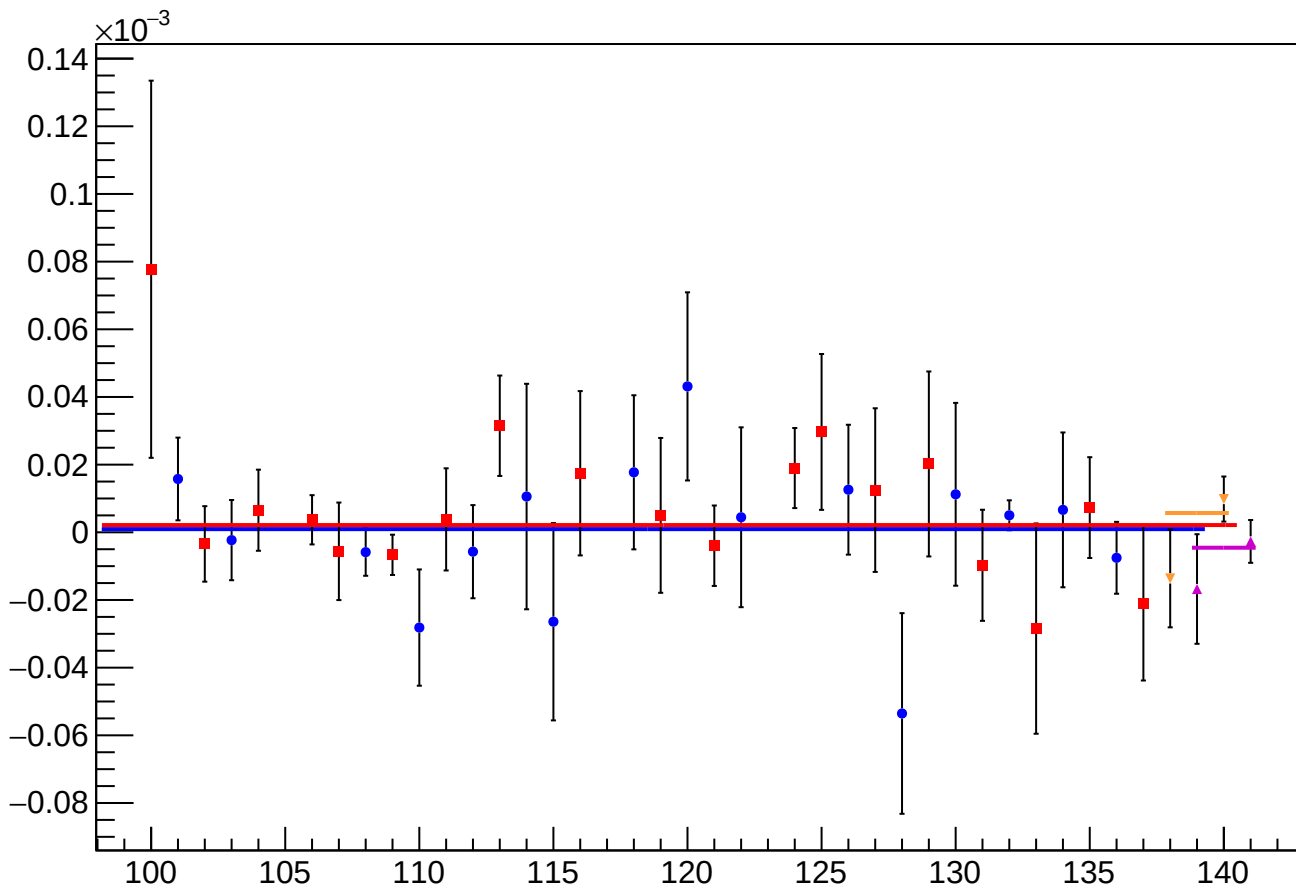
Left In: 243.847+/-0.140 χ^2/NDF : 226761.4/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889526.4/17

All: 148.208+/-0.027 χ^2/NDF : 4344358.7/38

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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

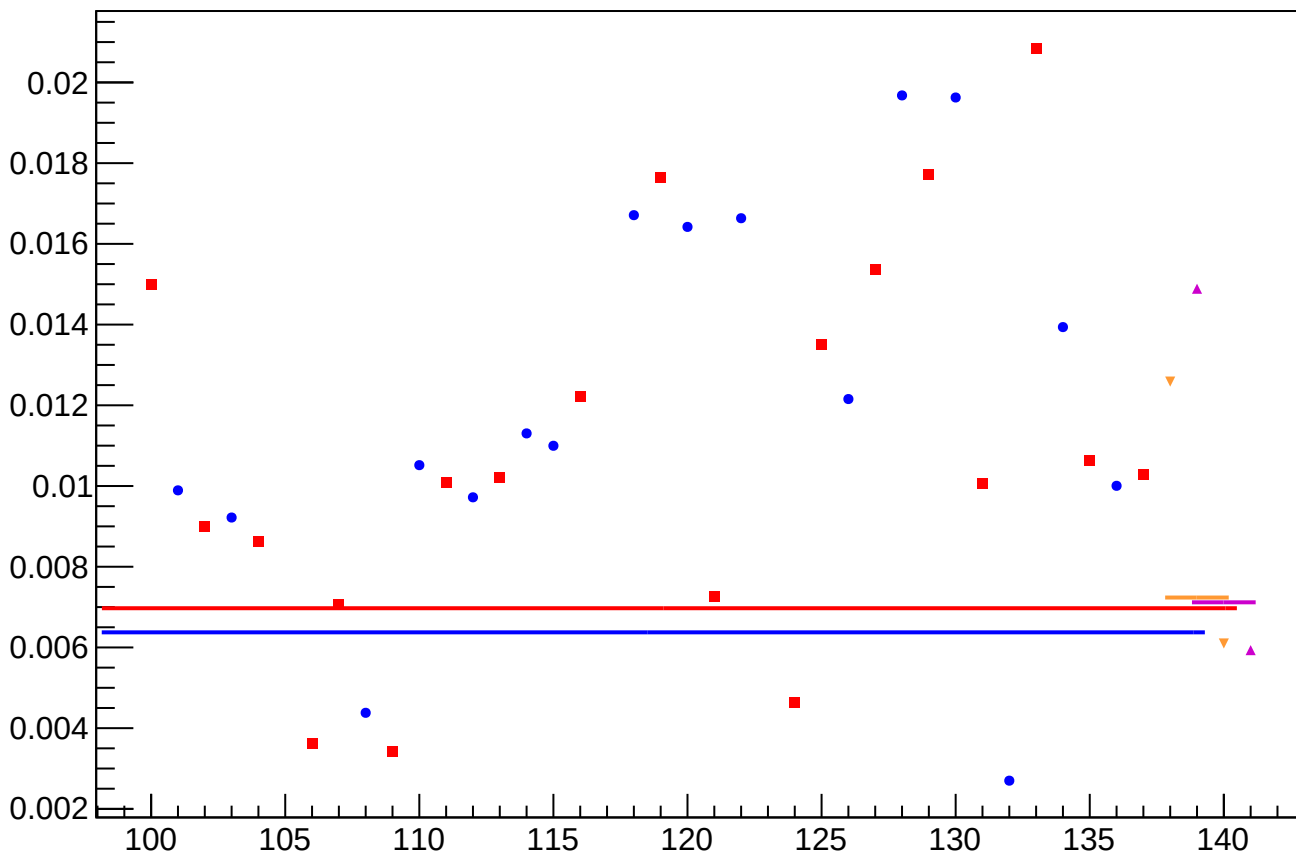
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

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

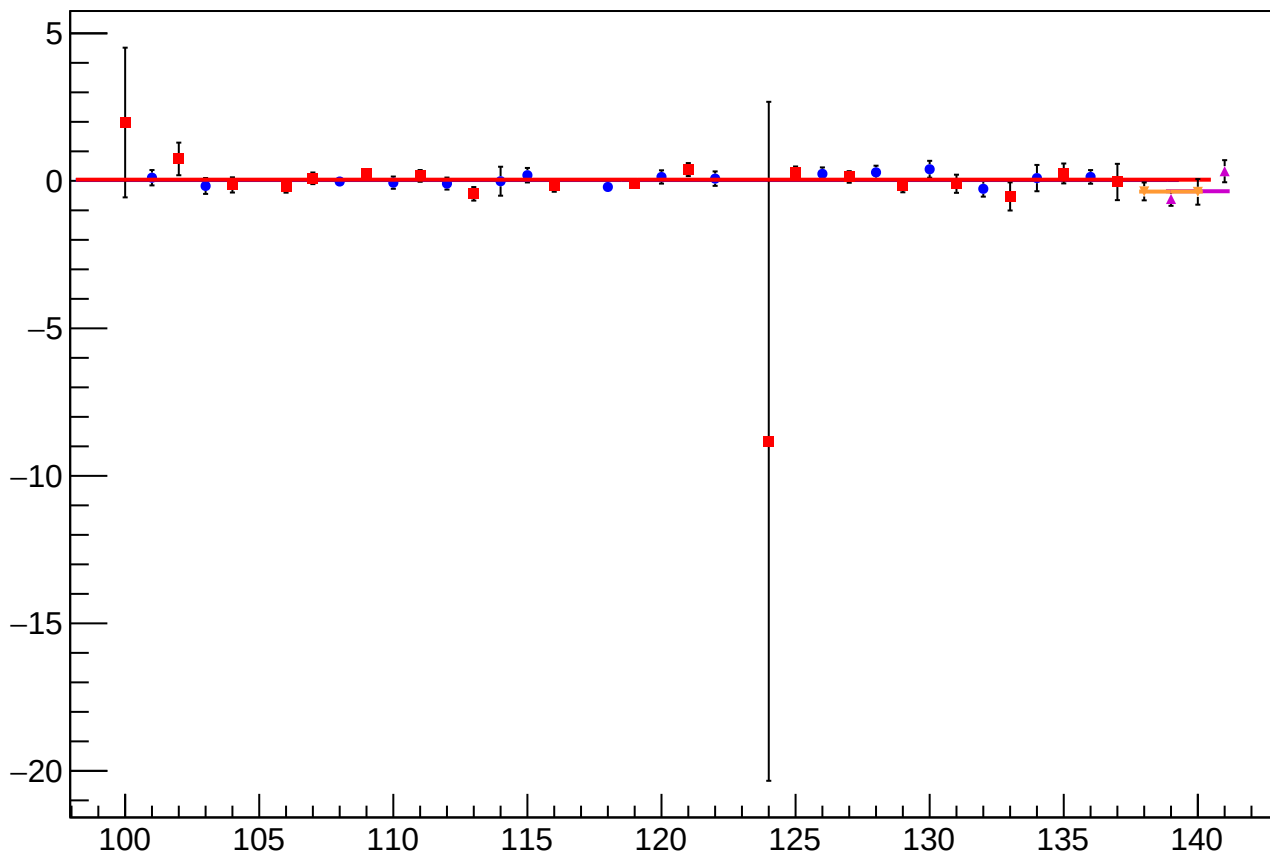
Left In: 0.007+/-0.000 χ^2/NDF : 530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 5005153.1/17

All: 0.007+/-0.000 χ^2/NDF : 8977044.0/38

- sign 0.007+/-0.000 χ^2/NDF : 3941392.2/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_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

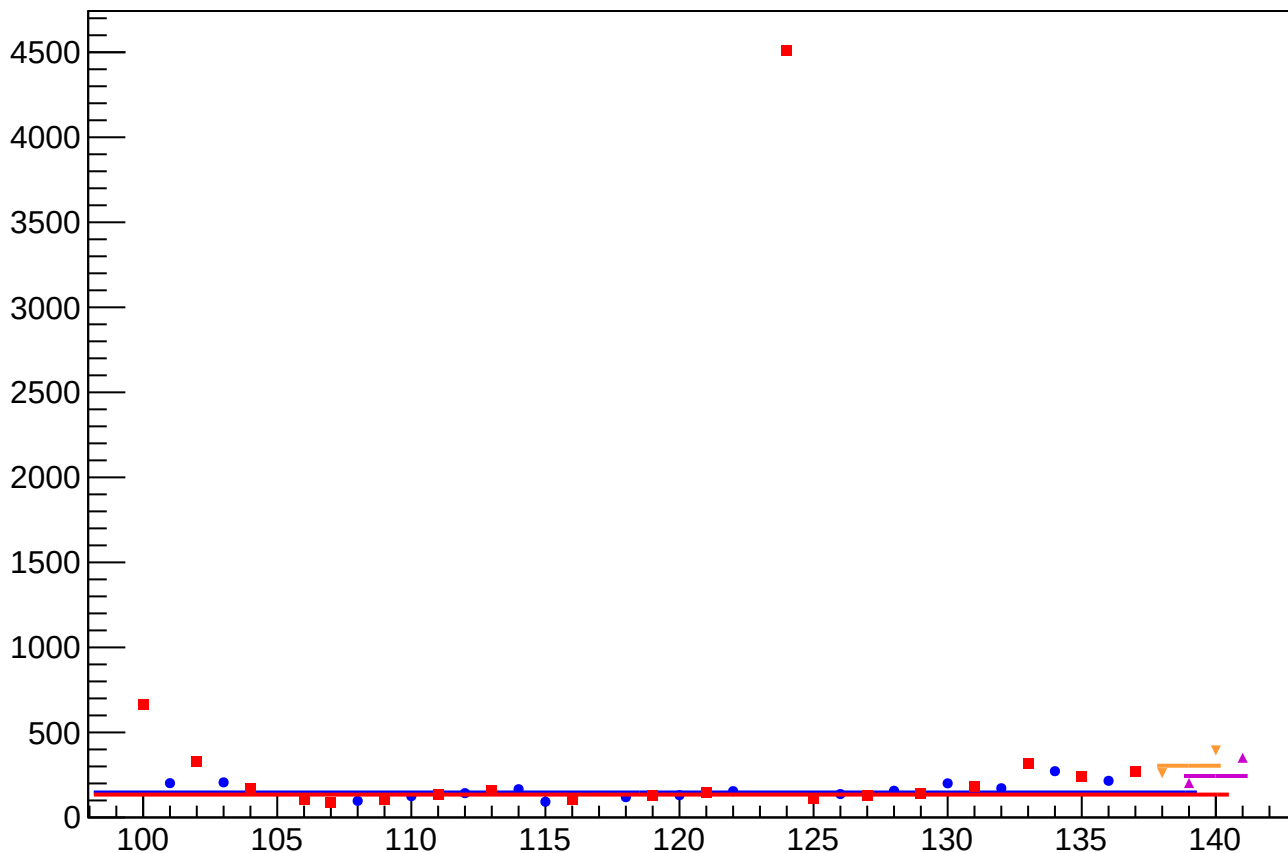
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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

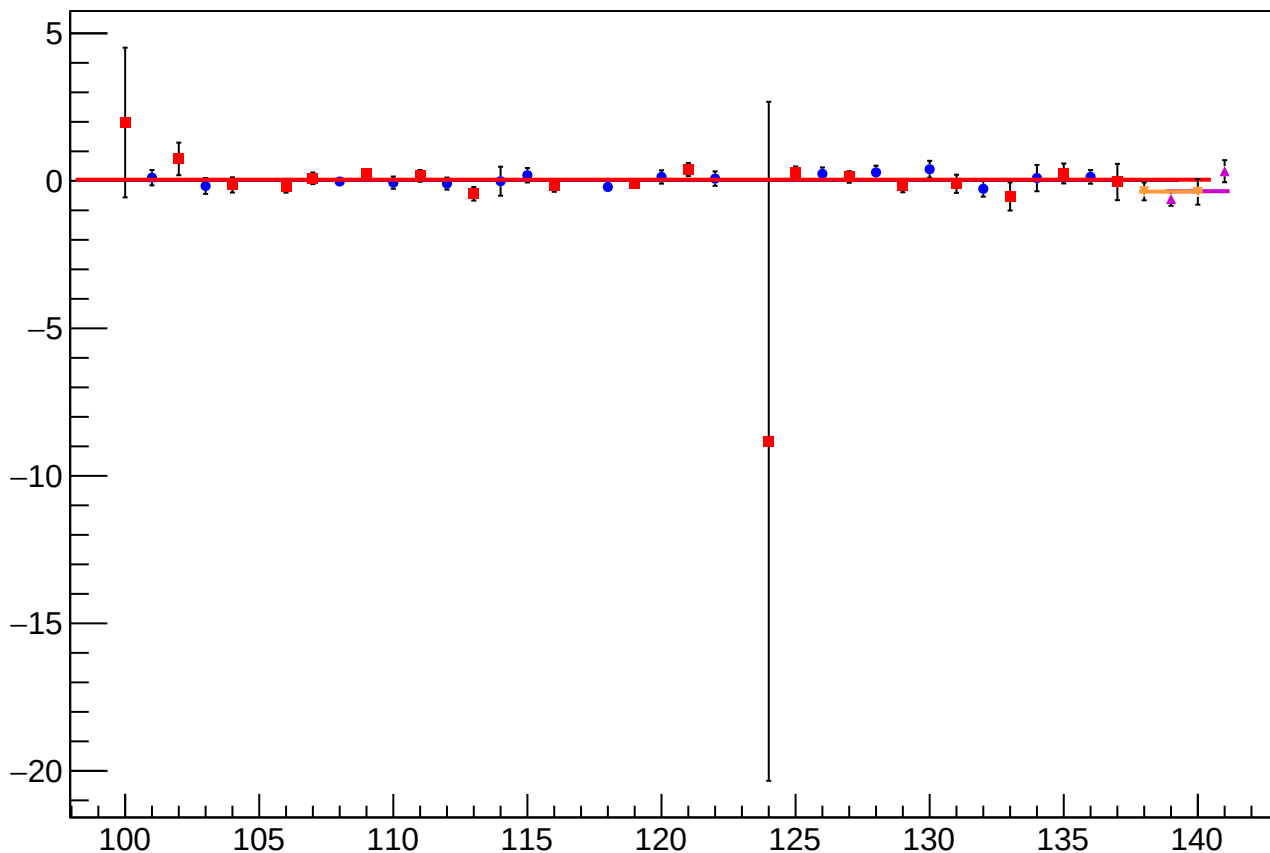
Left In: 243.852+/-0.140 χ^2/NDF : 226749.0/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 148.208+/-0.027 χ^2/NDF : 4344233.6/38

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_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

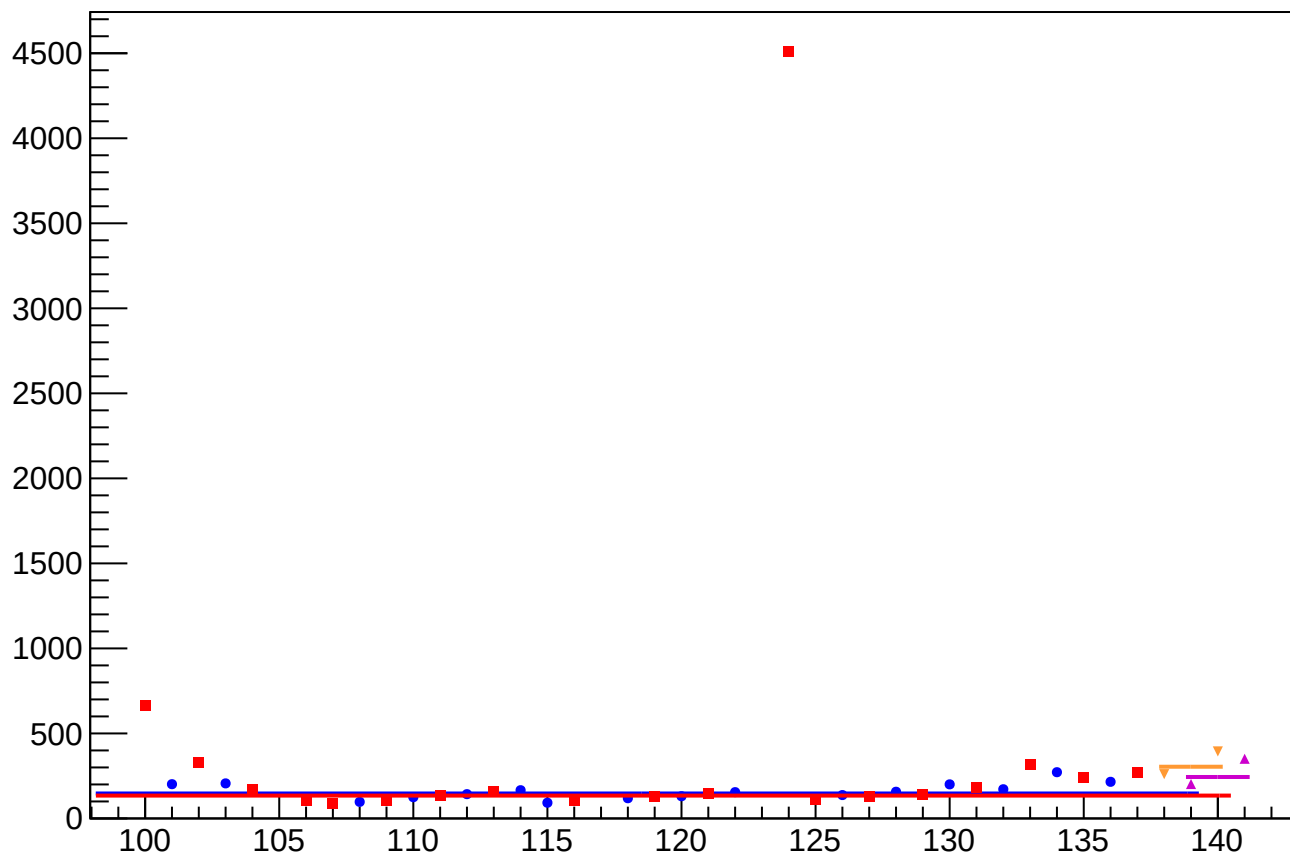
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign 0.008 $\pm$ 0.056 χ^2 /NDF: 11.8/17

All: 0.010 $\pm$ 0.038 χ^2 /NDF: 40.0/38

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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

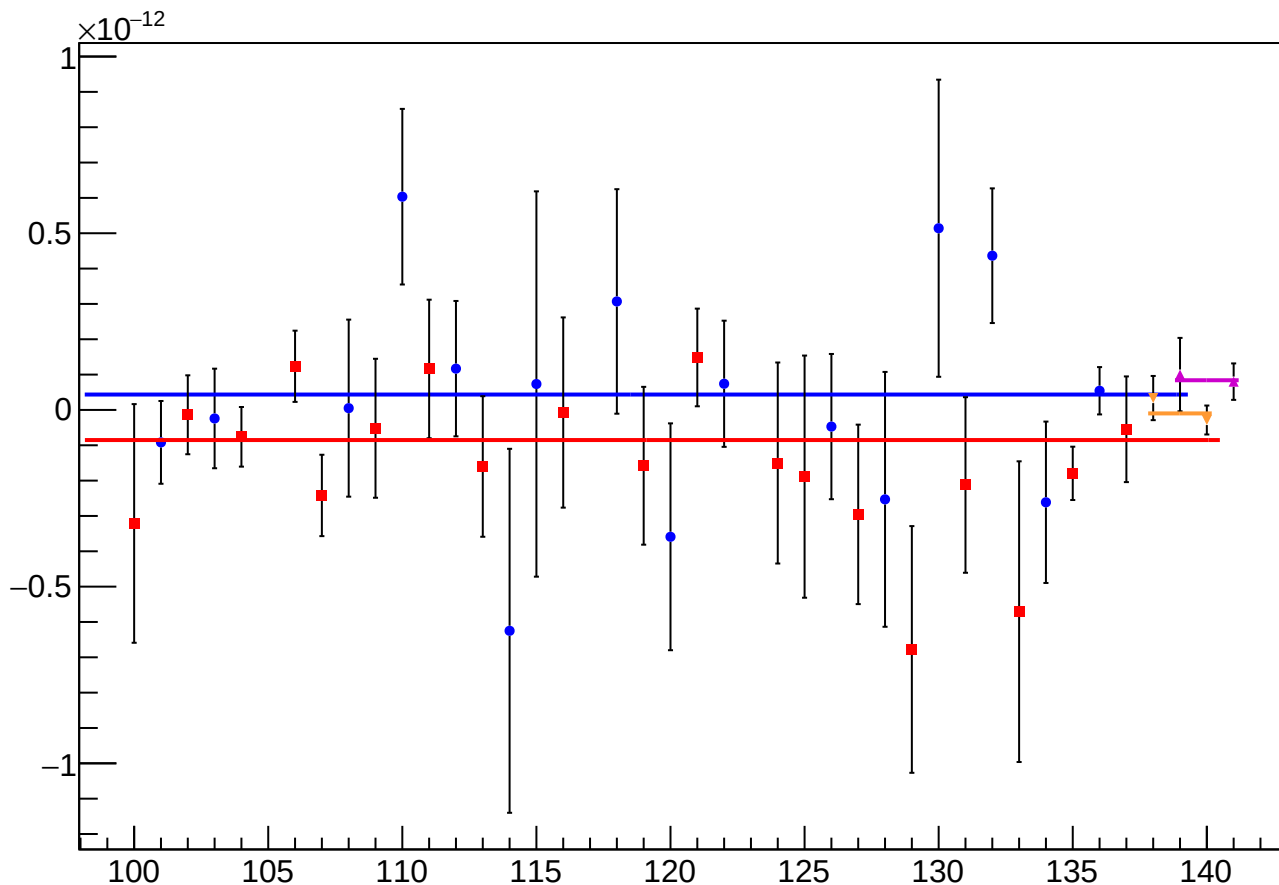
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 154.901+/-0.040 χ^2/NDF : 1889483.6/17

All: 148.208+/-0.027 χ^2/NDF : 4344233.6/38

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

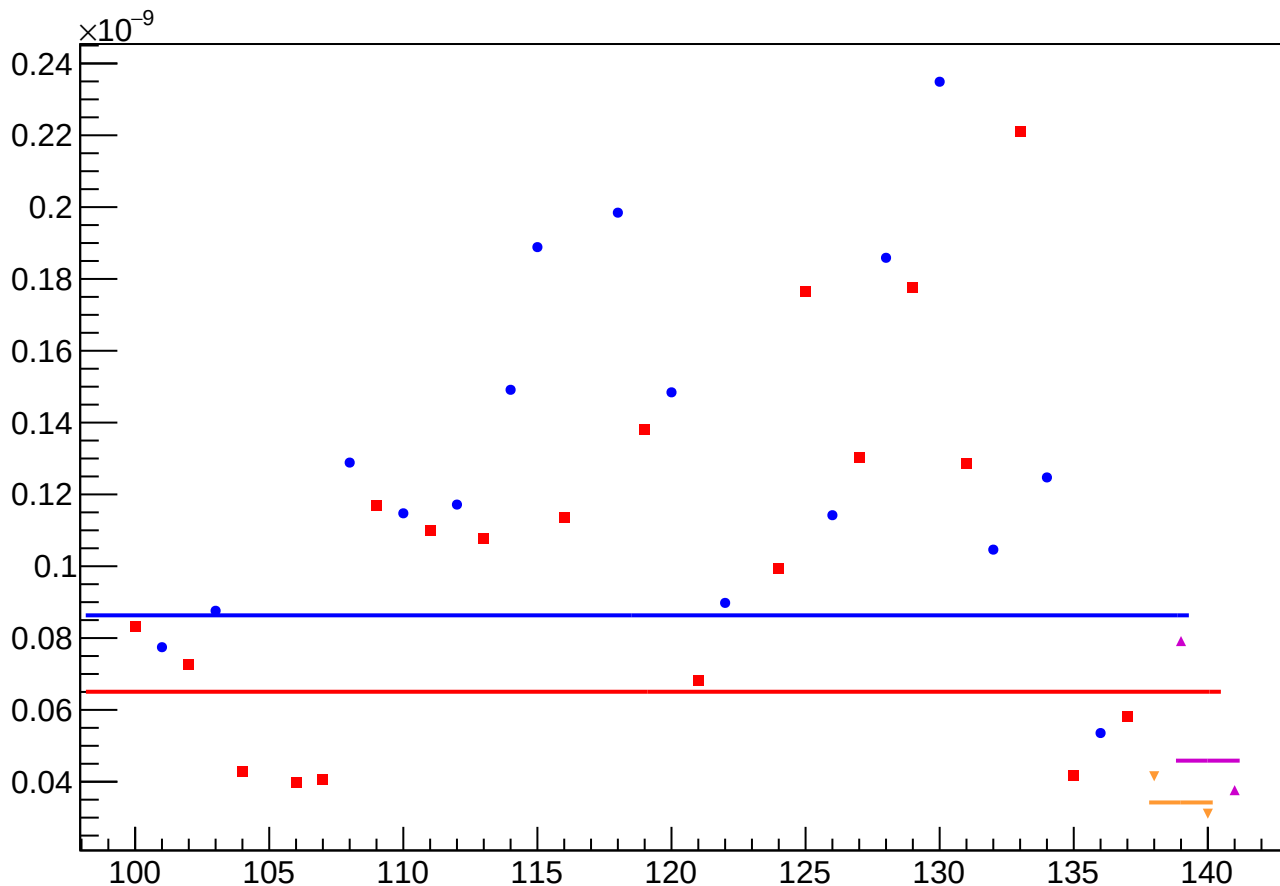
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 48.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/20

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

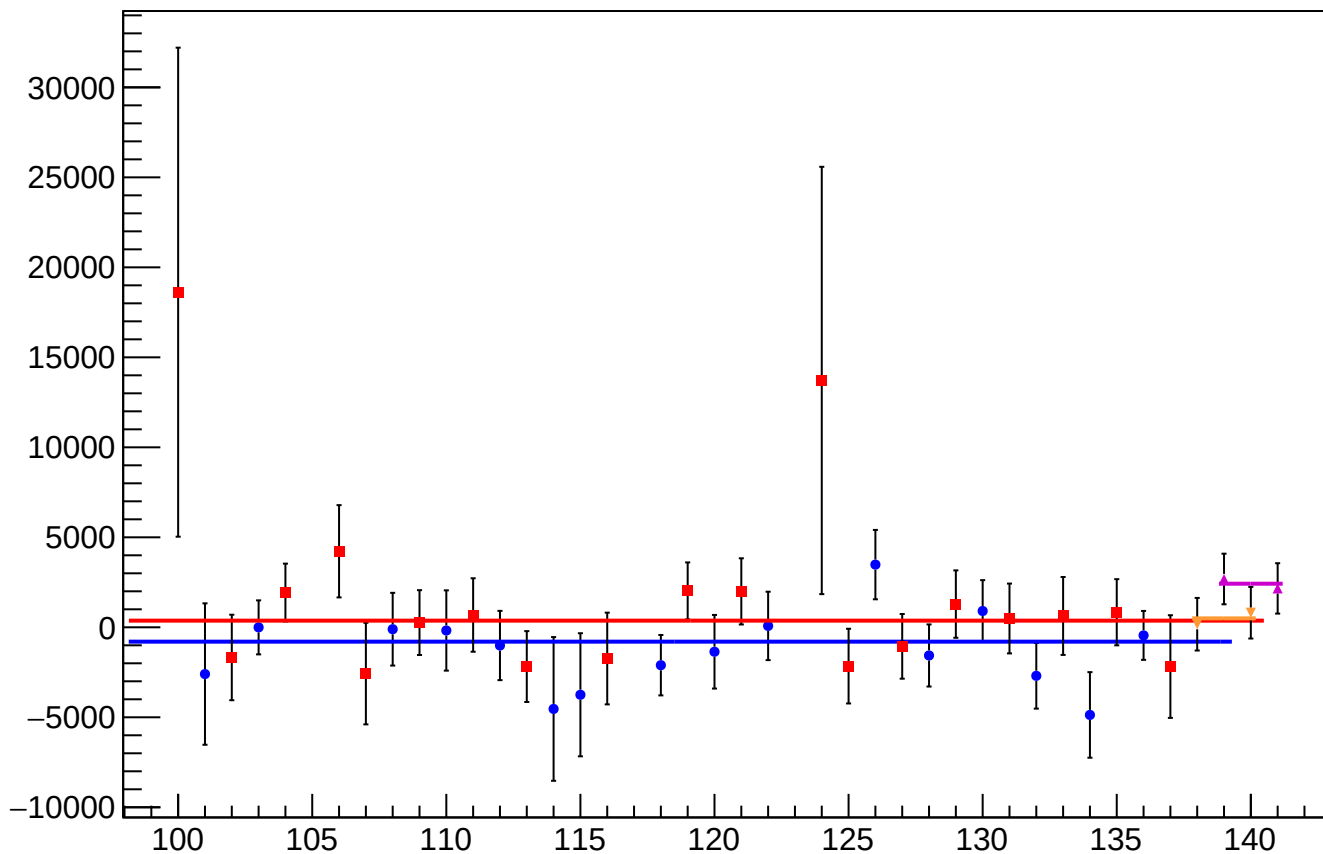
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:256625.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3414015.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6070234.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2638271.2/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF : 13.4/15

Left Out: 496.407+/-1023.076 χ^2/NDF : 0.1/1

Right Out: 370.010+/-485.826 χ^2/NDF : 15.6/18

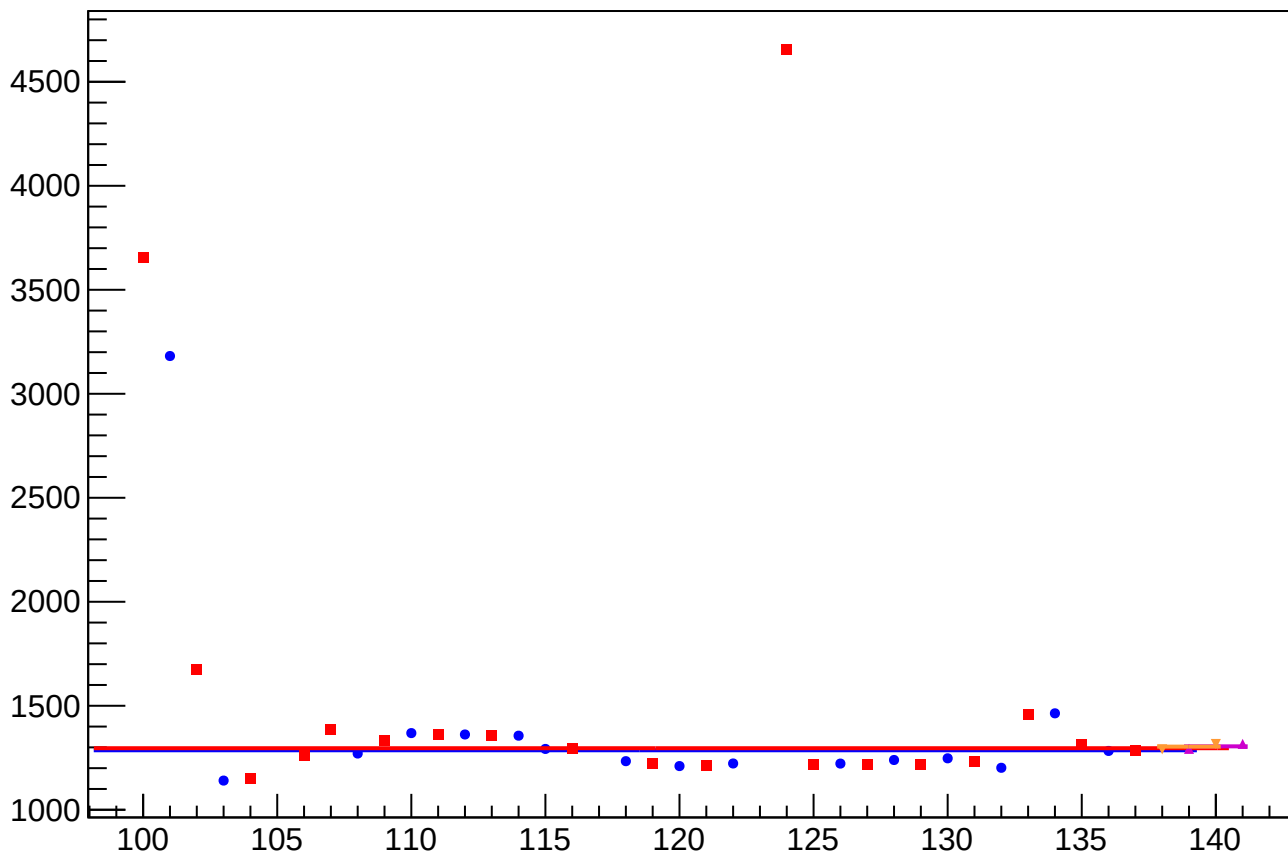
Left In: 2421.580+/-991.779 χ^2/NDF : 0.1/1

+ sign -557.936+/-440.057 χ^2/NDF : 14.8/17

All: 110.239+/-309.827 χ^2/NDF : 38.5/38

- sign 767.029+/-436.292 χ^2/NDF : 19.1/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518126.9/15

Left Out: 1303.595 $\pm$ 0.723 χ^2 /NDF:317.2/1

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

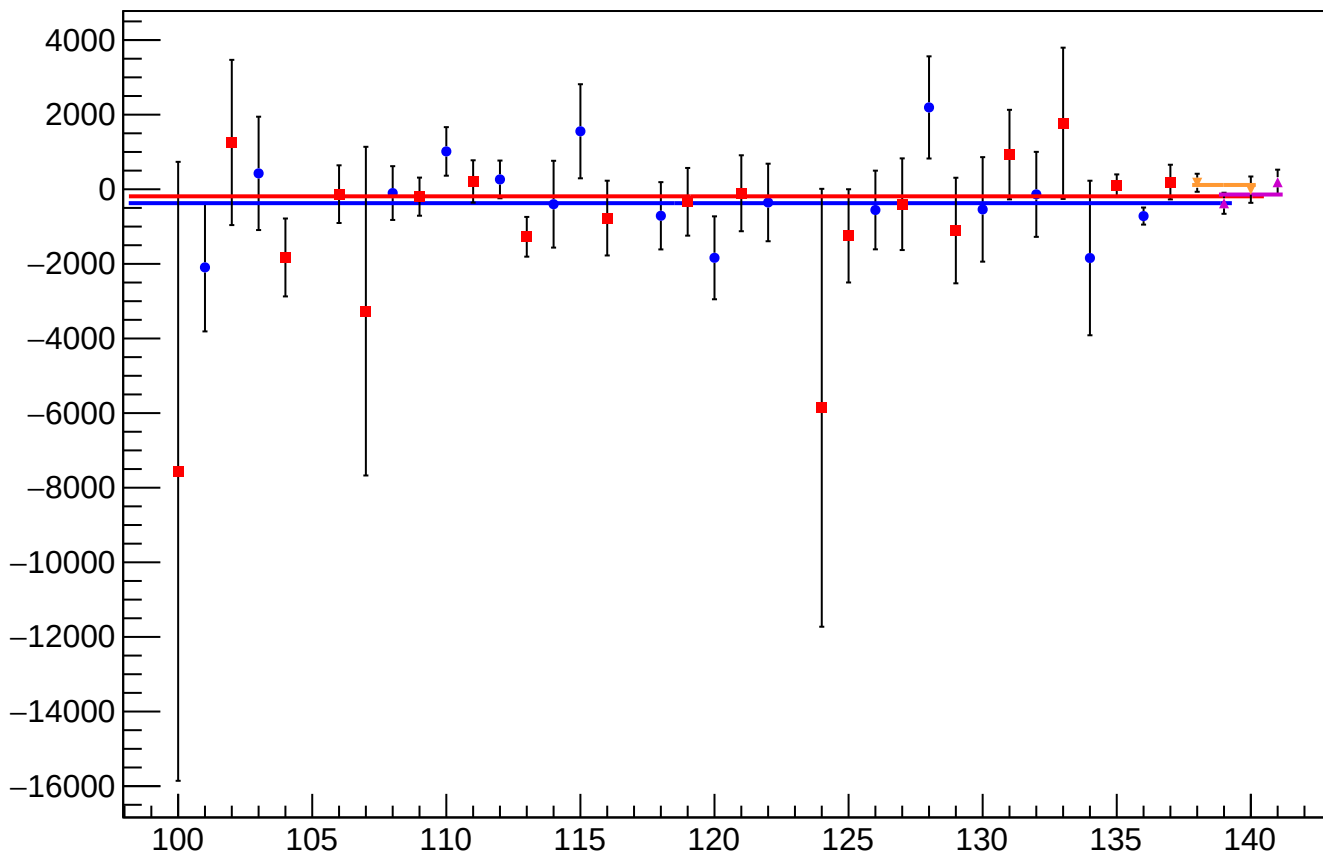
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1289.334 $\pm$ 0.311 χ^2 /NDF: 518920.9/17

All: 1293.543 $\pm$ 0.219 χ^2 /NDF: 847774.0/38

- sign 1297.679 $\pm$ 0.309 χ^2 /NDF: 328490.4/20

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

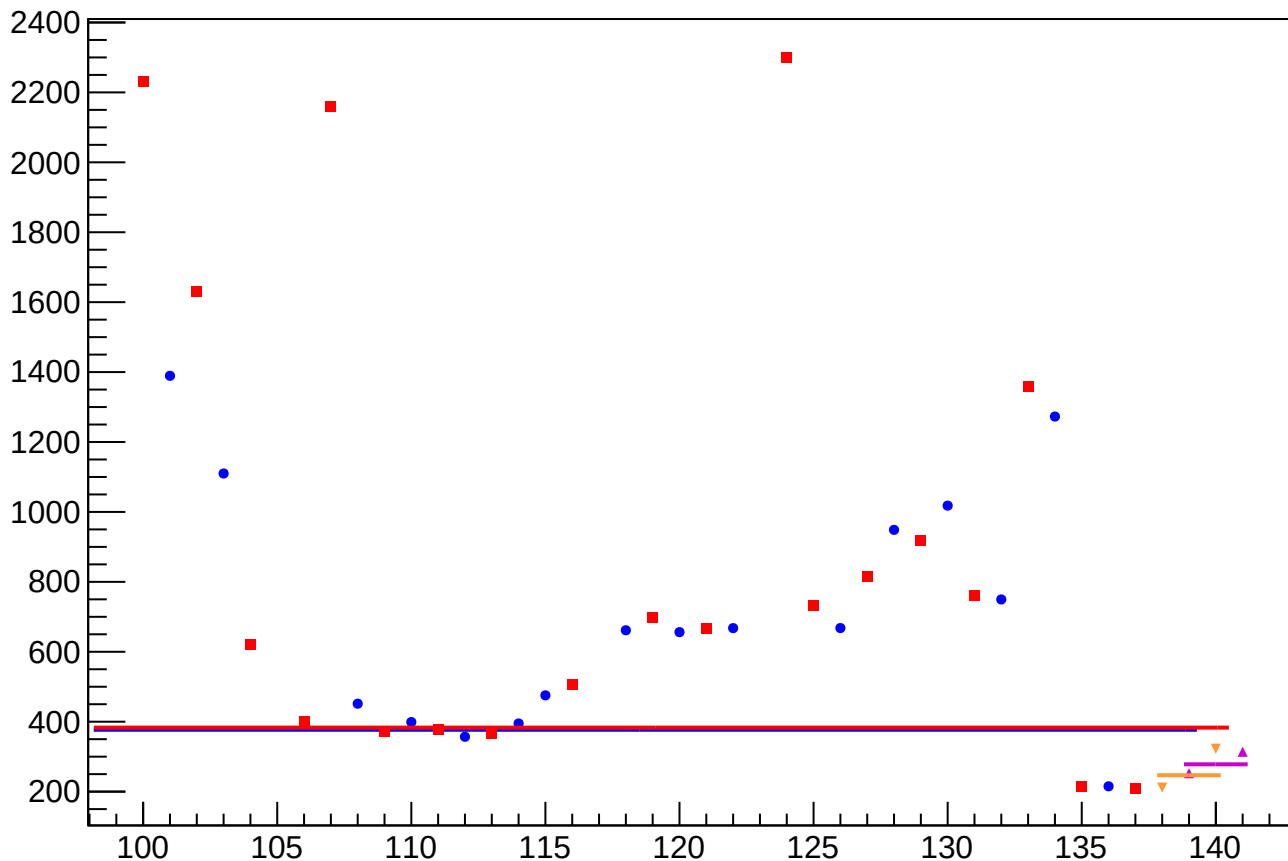
Left In: -140.955 ± 215.928 χ^2/NDF : 1.7/1

+ sign -169.444 ± 128.541 χ^2/NDF : 21.8/17

All: -170.019 ± 92.551 χ^2/NDF : 38.2/38

- sign -170.638 ± 133.365 χ^2/NDF : 16.3/20

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

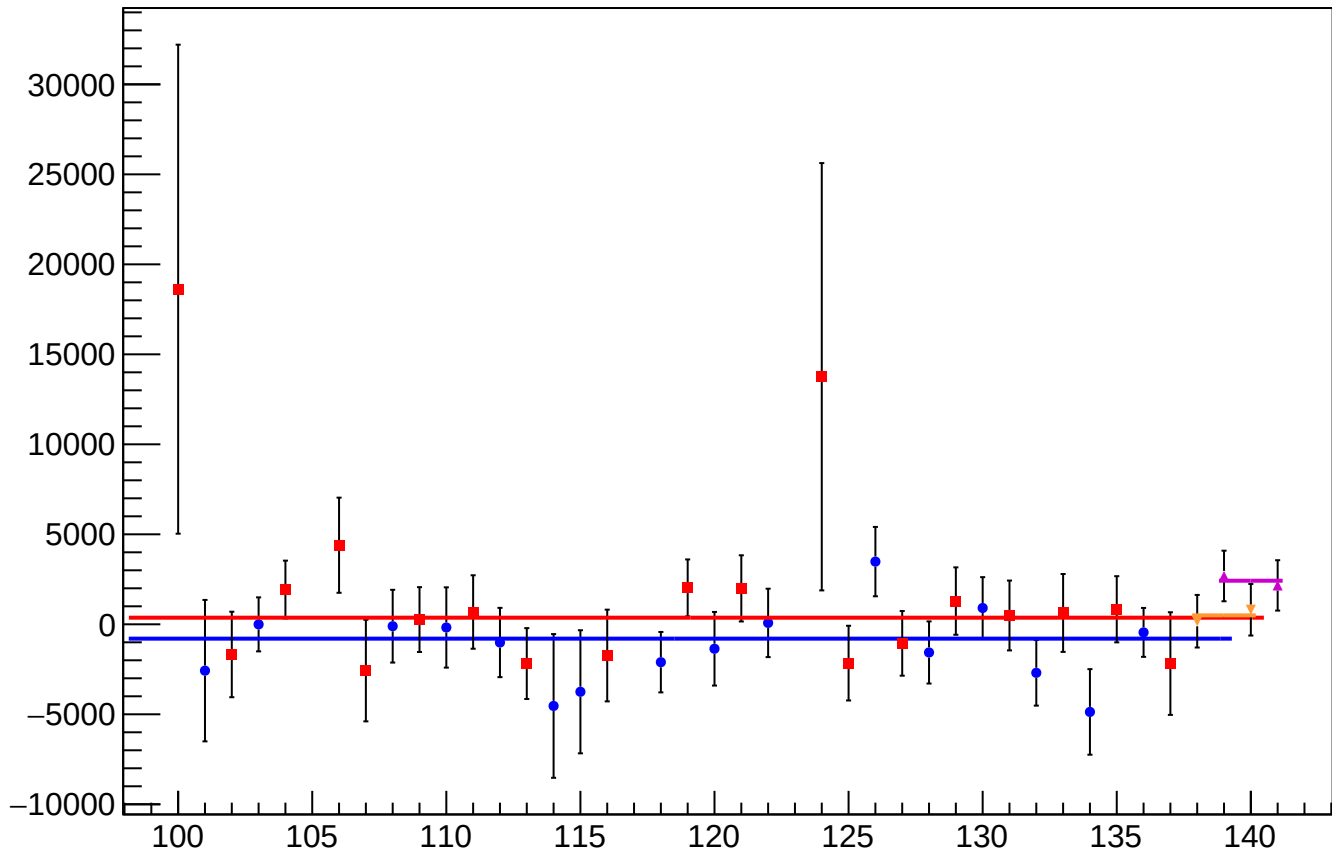
Left In: 278.092+/-0.153 χ^2/NDF :39183.4/1

+ sign 322.839+/-0.091 χ^2/NDF : 4821719.5/17

All: 332.561+/-0.065 χ^2/NDF : 9231195.6/38

- sign 343.026+/-0.094 χ^2/NDF : 4385720.2/20

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883 ± 487.454 χ^2/NDF : 13.4/15

Left Out: 496.446 ± 1023.076 χ^2/NDF : 0.1/1

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

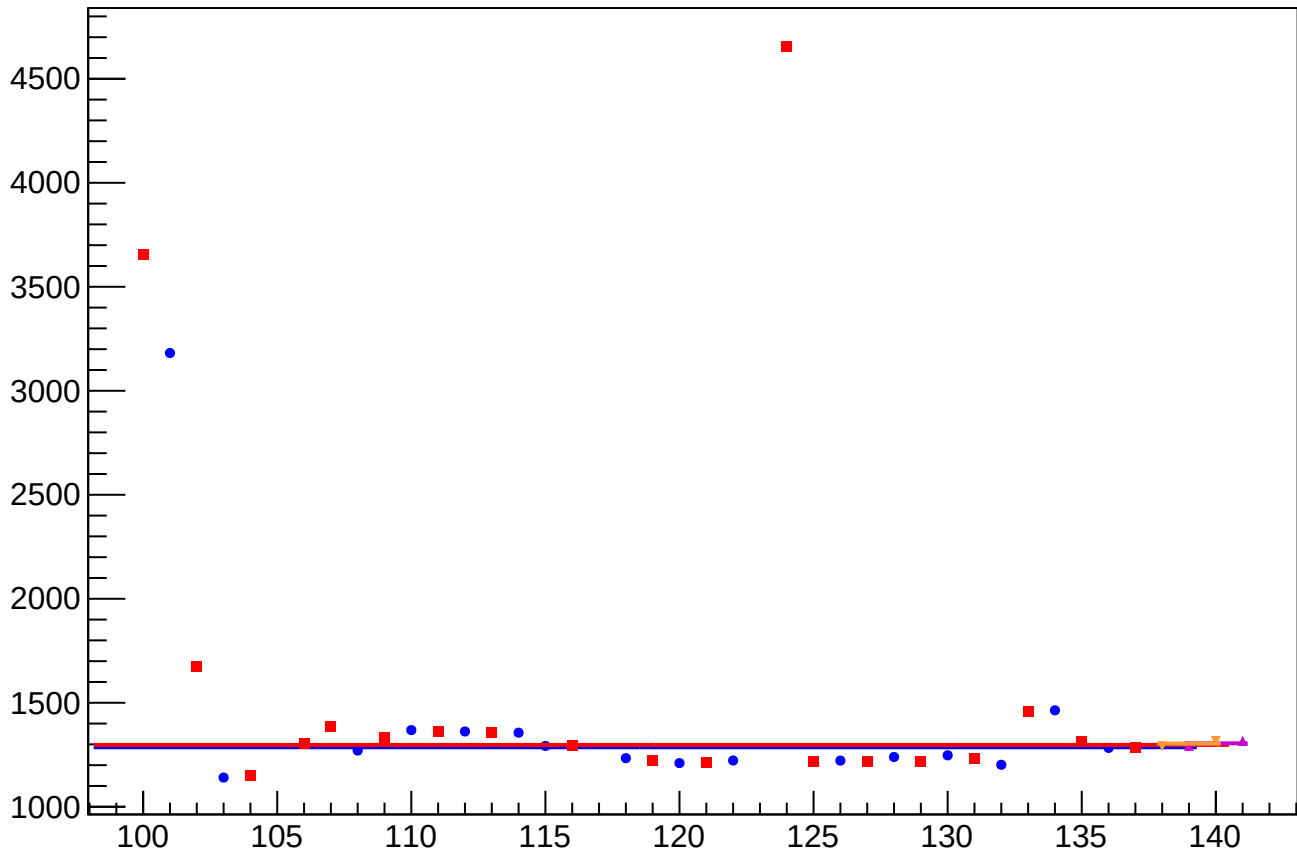
Left In: 2421.688 ± 991.779 χ^2/NDF : 0.1/1

+ sign -557.601 ± 440.057 χ^2/NDF : 14.8/17

All: 109.159 ± 309.963 χ^2/NDF : 38.6/38

- sign 765.697 ± 436.671 χ^2/NDF : 19.2/20

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097 $\pm$ 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

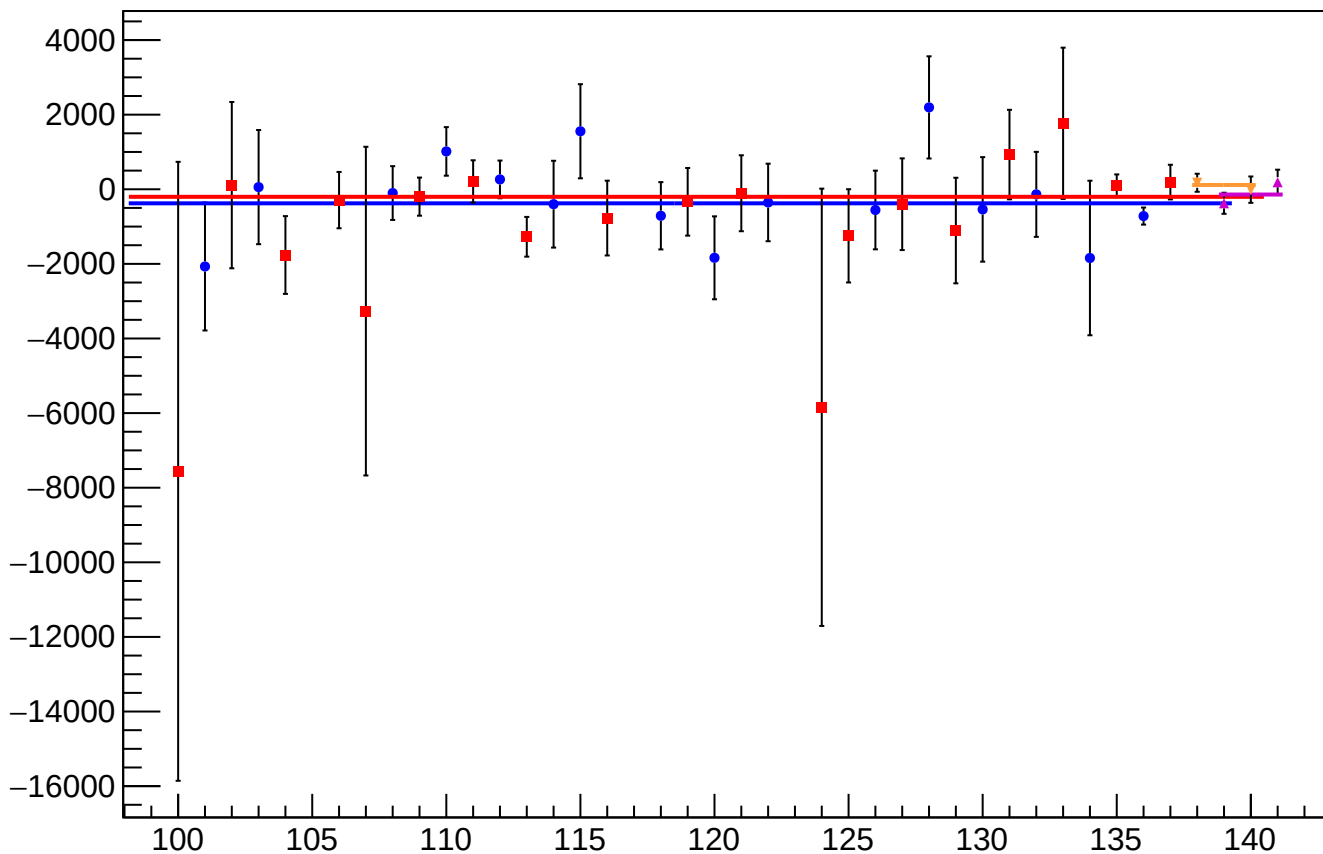
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1289.334 $\pm$ 0.311 χ^2 /NDF: 518922.3/17

All: 1294.130 $\pm$ 0.219 χ^2 /NDF: 847516.7/38

- sign 1298.852 $\pm$ 0.309 χ^2 /NDF: 328122.9/20

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

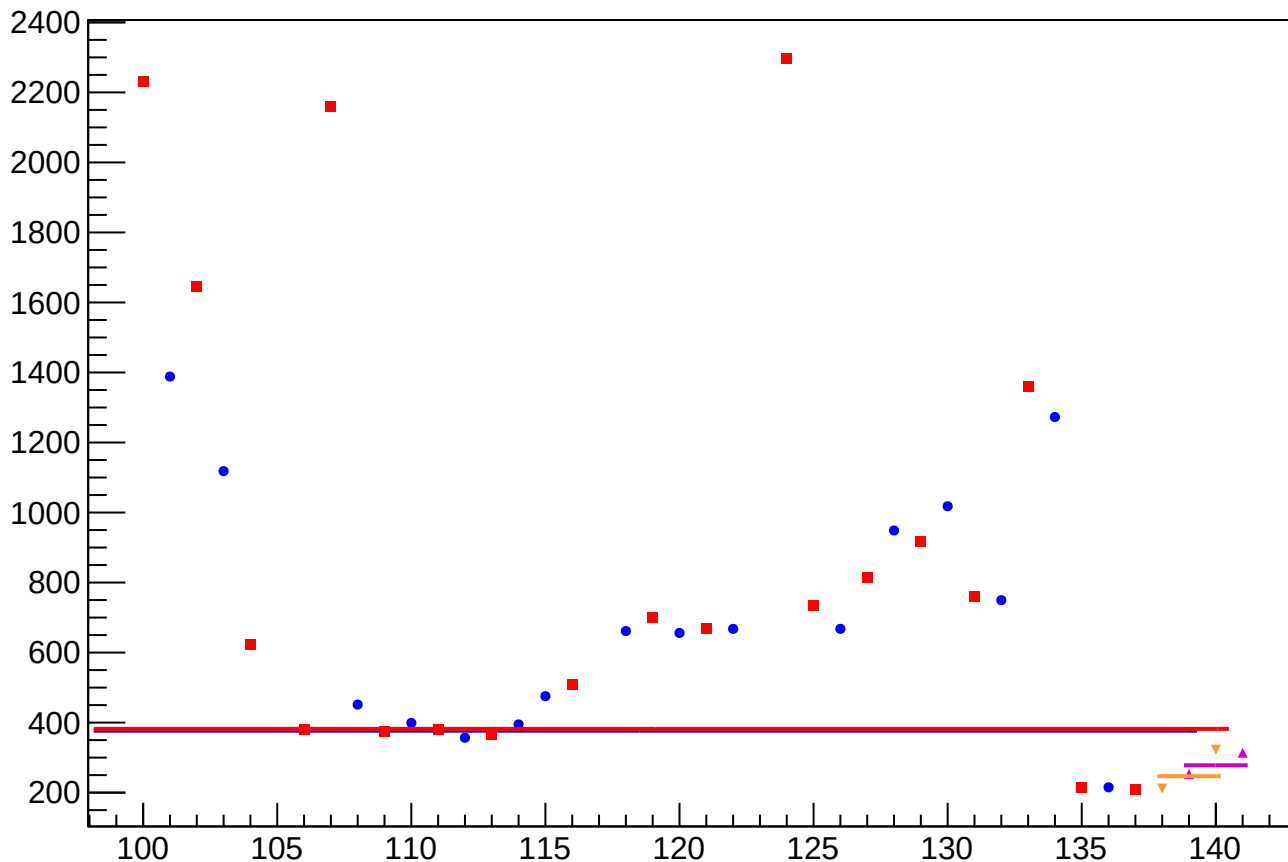
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -175.319 ± 92.522 χ^2/NDF : 37.4/38

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

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

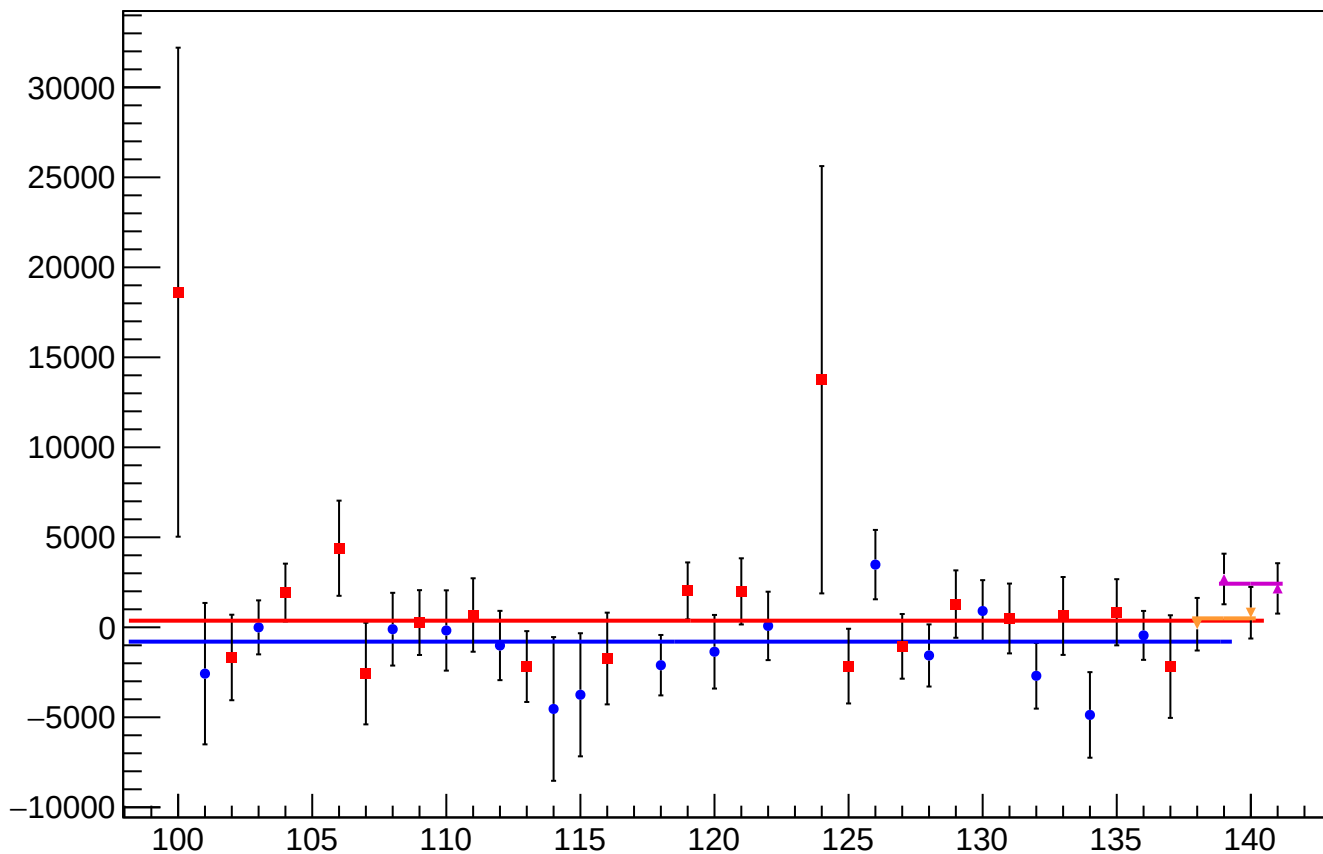
Left In: 278.092+/-0.153 χ^2/NDF :39169.8/1

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 332.313+/-0.065 χ^2/NDF : 9233485.2/38

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

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

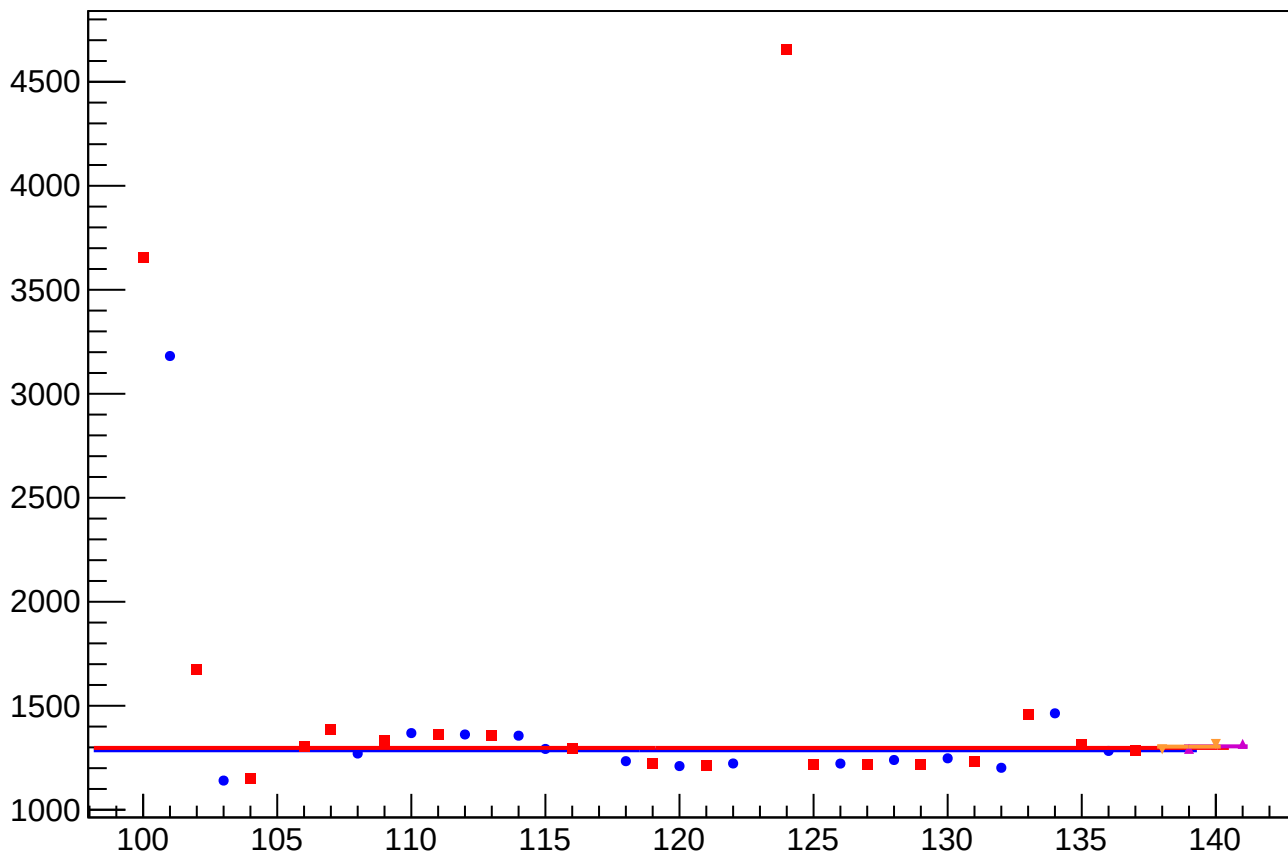
Left In: 2421.688 ± 991.779 χ^2/NDF : 0.1/1

+ sign -557.601 ± 440.057 χ^2/NDF : 14.8/17

All: 109.159 ± 309.963 χ^2/NDF : 38.6/38

- sign 765.697 ± 436.671 χ^2/NDF : 19.2/20

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF : 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF : 317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF : 327741.7/18

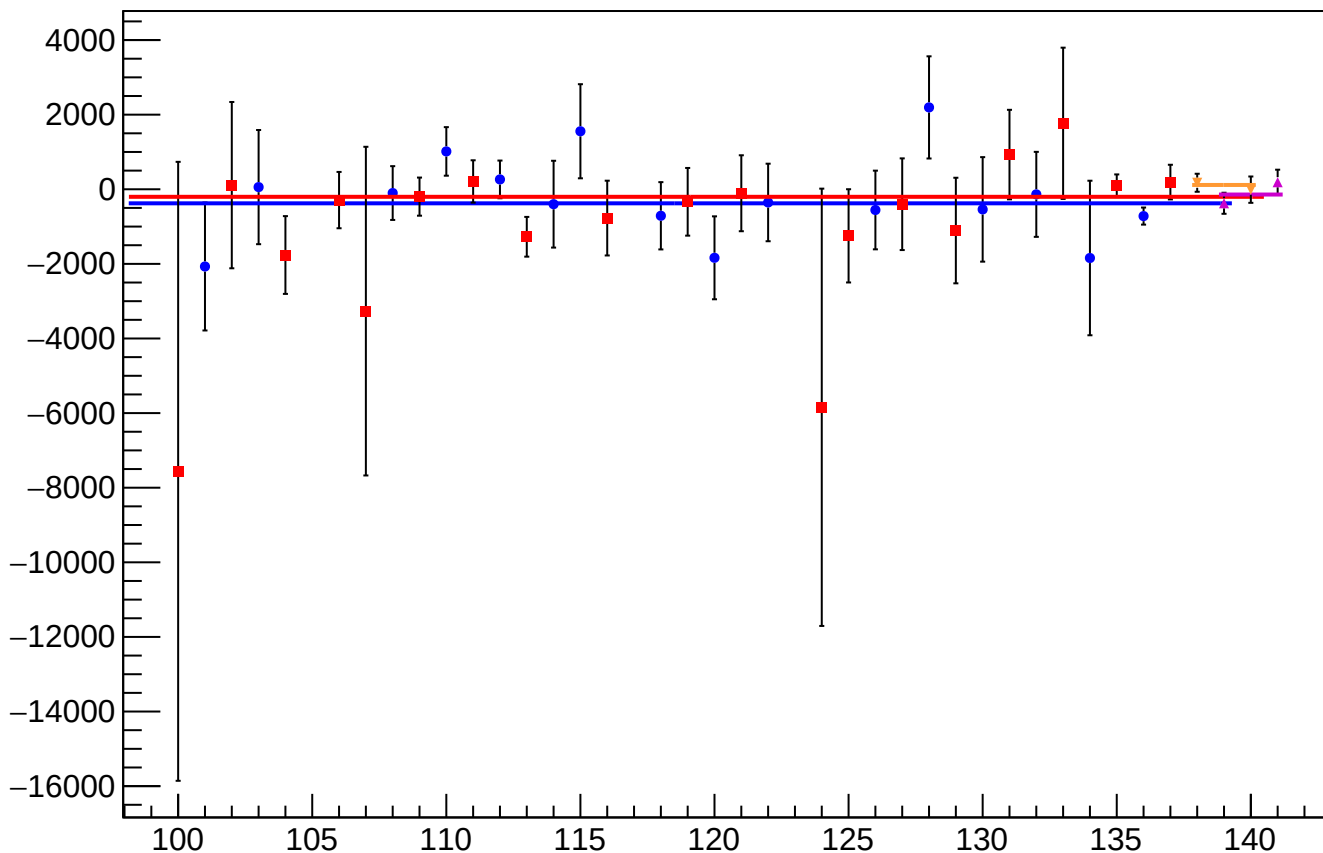
Left In: 1304.917+/-0.701 χ^2/NDF : 288.4/1

+ sign 1289.334+/-0.311 χ^2/NDF : 518922.3/17

All: 1294.130+/-0.219 χ^2/NDF : 847516.7/38

- sign 1298.852+/-0.309 χ^2/NDF : 328122.9/20

asym_atl1r2_dd_atl2r1_dd_avg_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

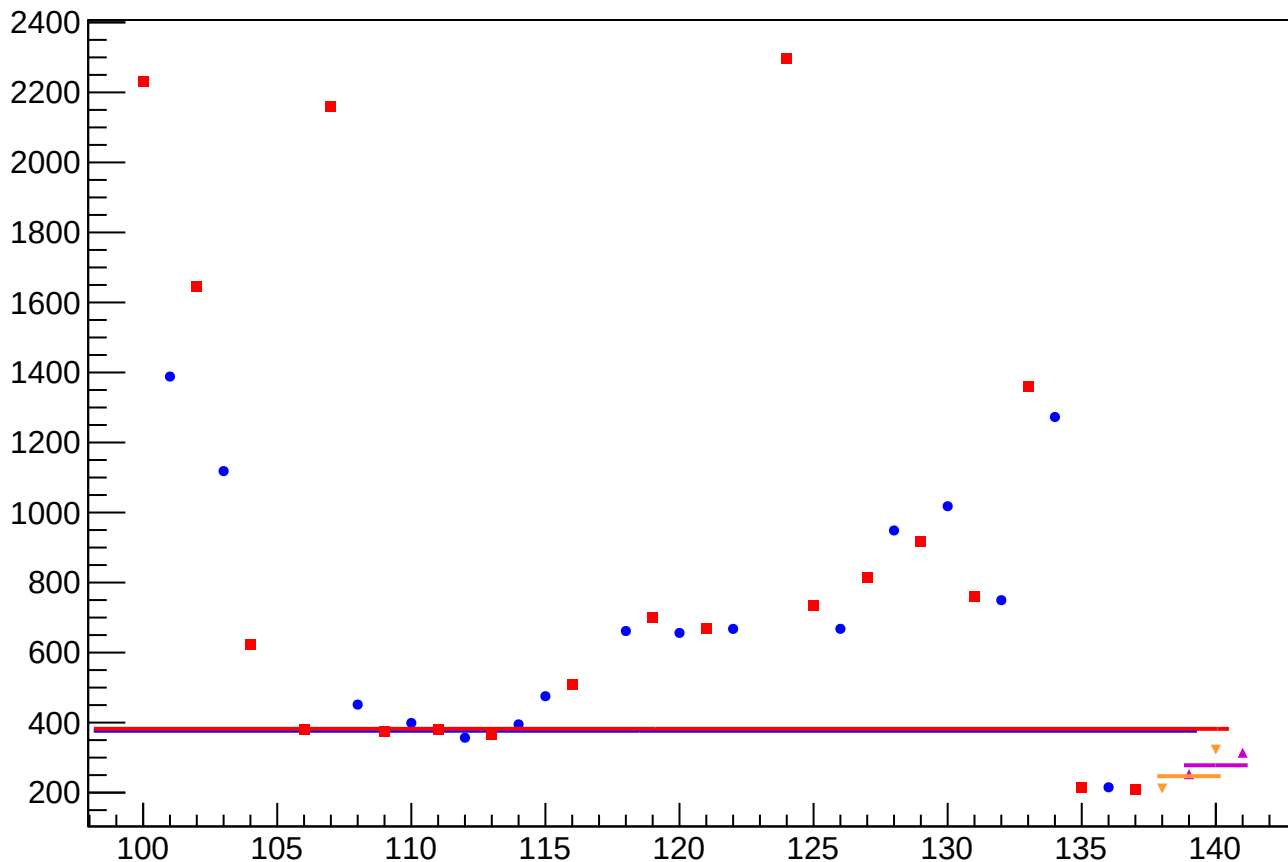
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -171.989 ± 128.551 χ^2/NDF : 21.7/17

All: -175.319 ± 92.522 χ^2/NDF : 37.4/38

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

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

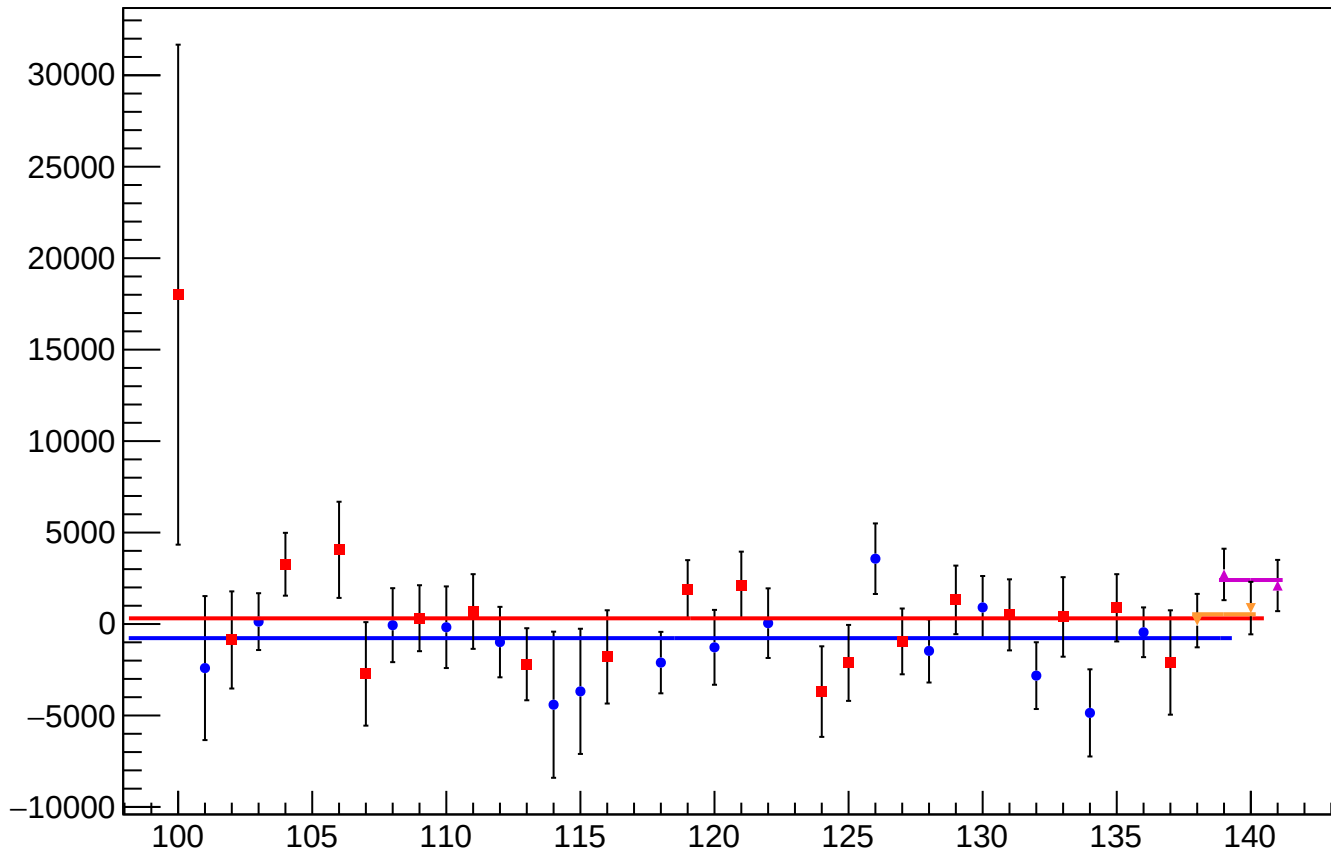
Left In: 278.092+/-0.153 χ^2/NDF :39169.8/1

+ sign 322.831+/-0.091 χ^2/NDF : 4824671.2/17

All: 332.313+/-0.065 χ^2/NDF : 9233485.2/38

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499 ± 489.602 χ^2/NDF : 13.6/15

Left Out: 535.661 ± 1023.631 χ^2/NDF : 0.1/1

Right Out: 311.418 ± 482.642 χ^2/NDF : 17.9/18

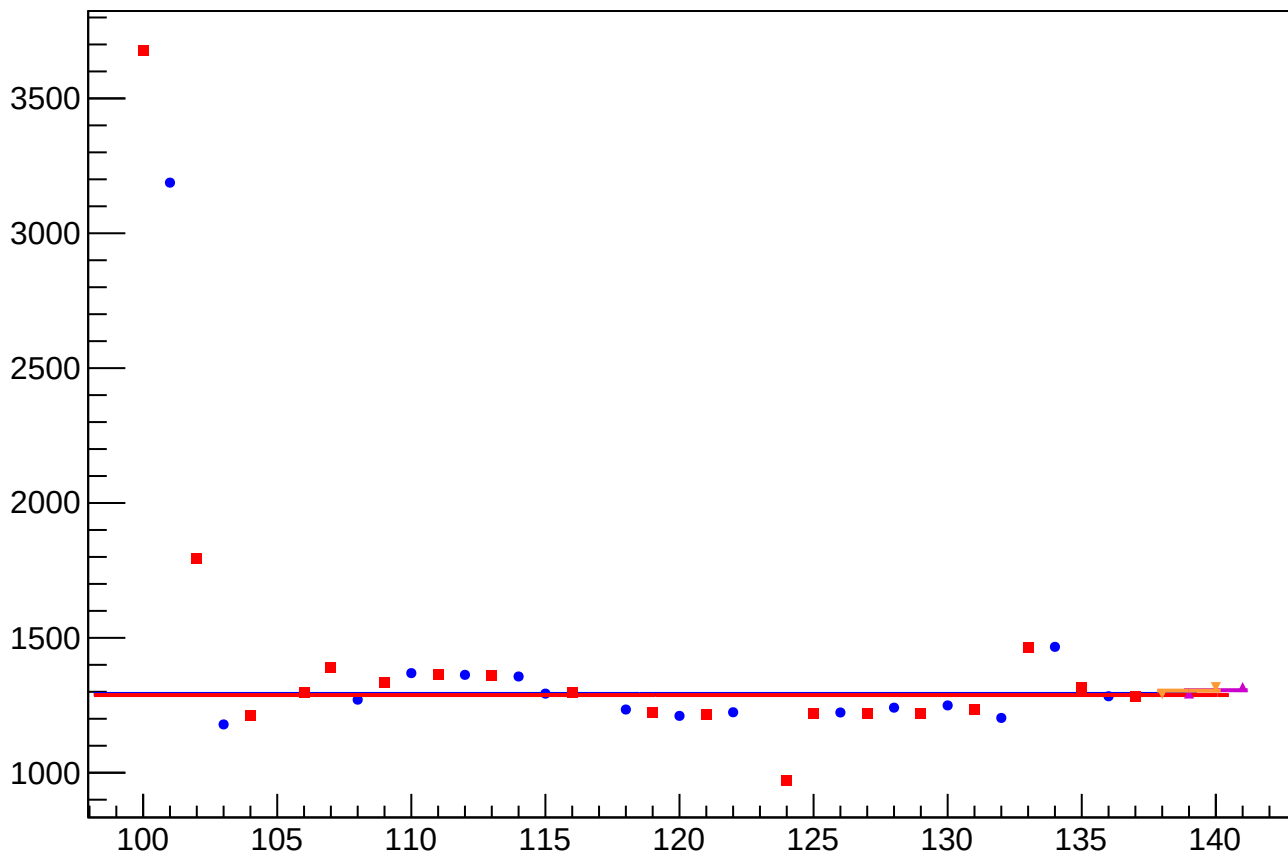
Left In: 2406.569 ± 992.473 χ^2/NDF : 0.1/1

+ sign -528.134 ± 441.680 χ^2/NDF : 15.0/17

All: 102.820 ± 309.579 χ^2/NDF : 40.7/38

- sign 712.135 ± 434.040 χ^2/NDF : 21.6/20

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038 $\pm$ 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

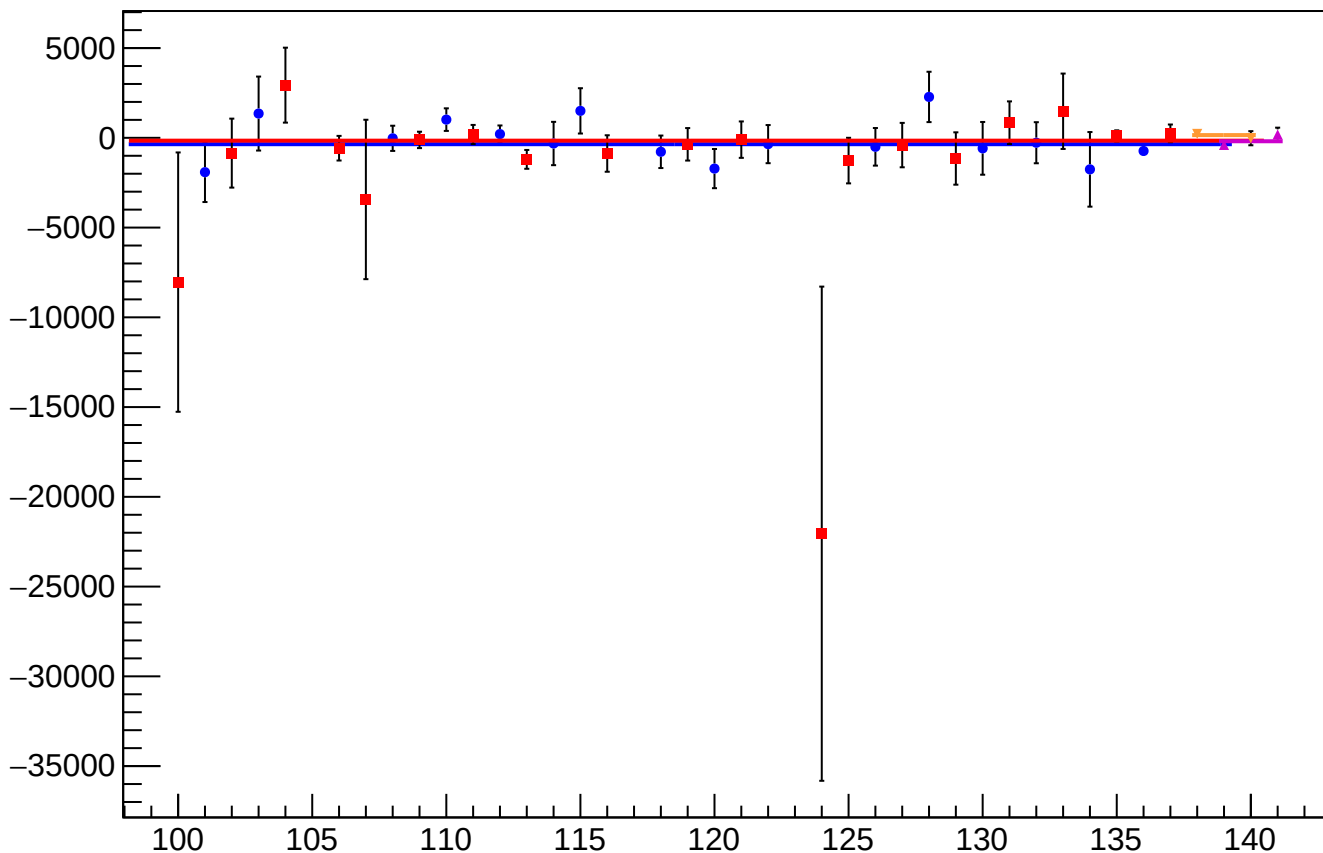
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF:295.2/1

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1292.834 $\pm$ 0.219 χ^2 /NDF: 720041.9/38

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210025.9/20

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

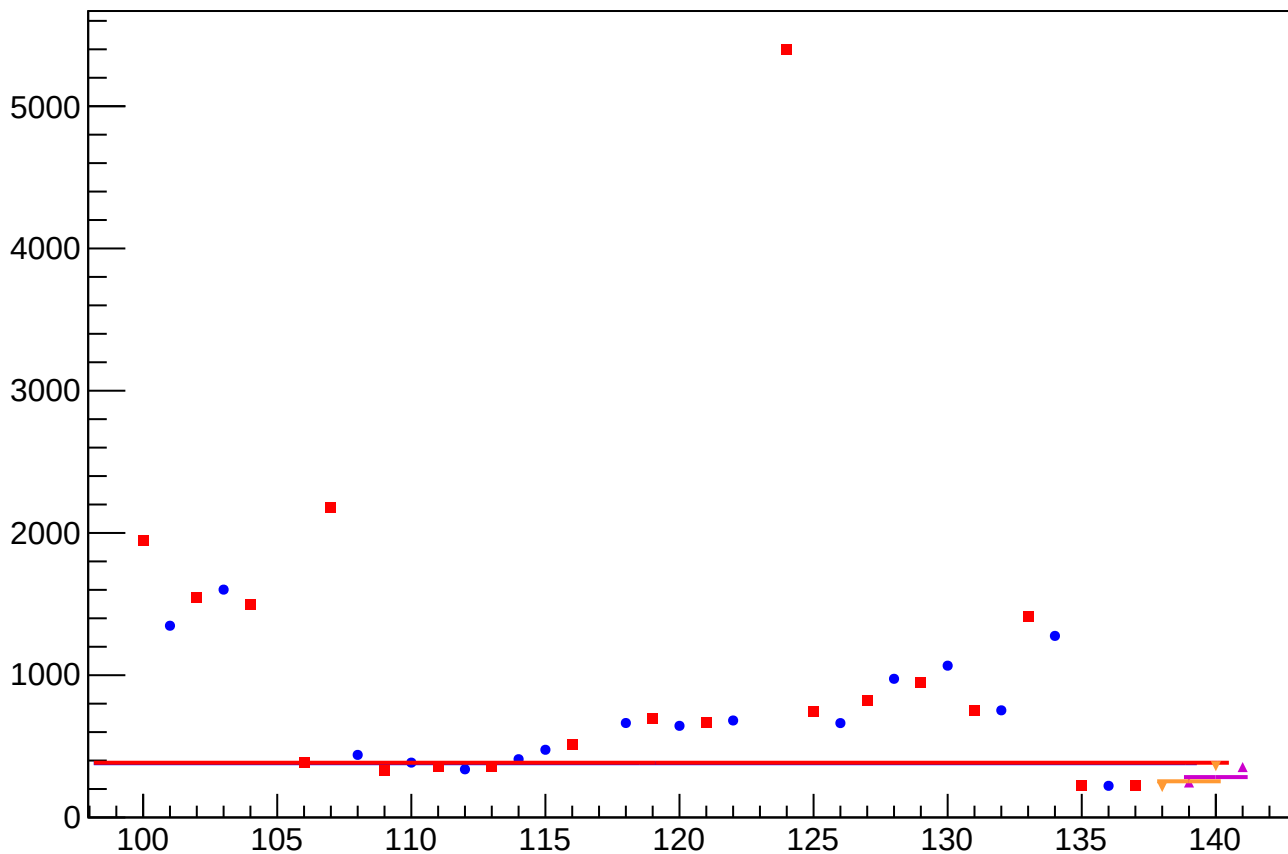
Left In: -191.190 ± 223.357 χ^2/NDF : 1.6/1

+ sign -151.241 ± 131.401 χ^2/NDF : 22.3/17

All: -160.406 ± 94.197 χ^2/NDF : 39.7/38

- sign -170.095 ± 135.106 χ^2/NDF : 17.4/20

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

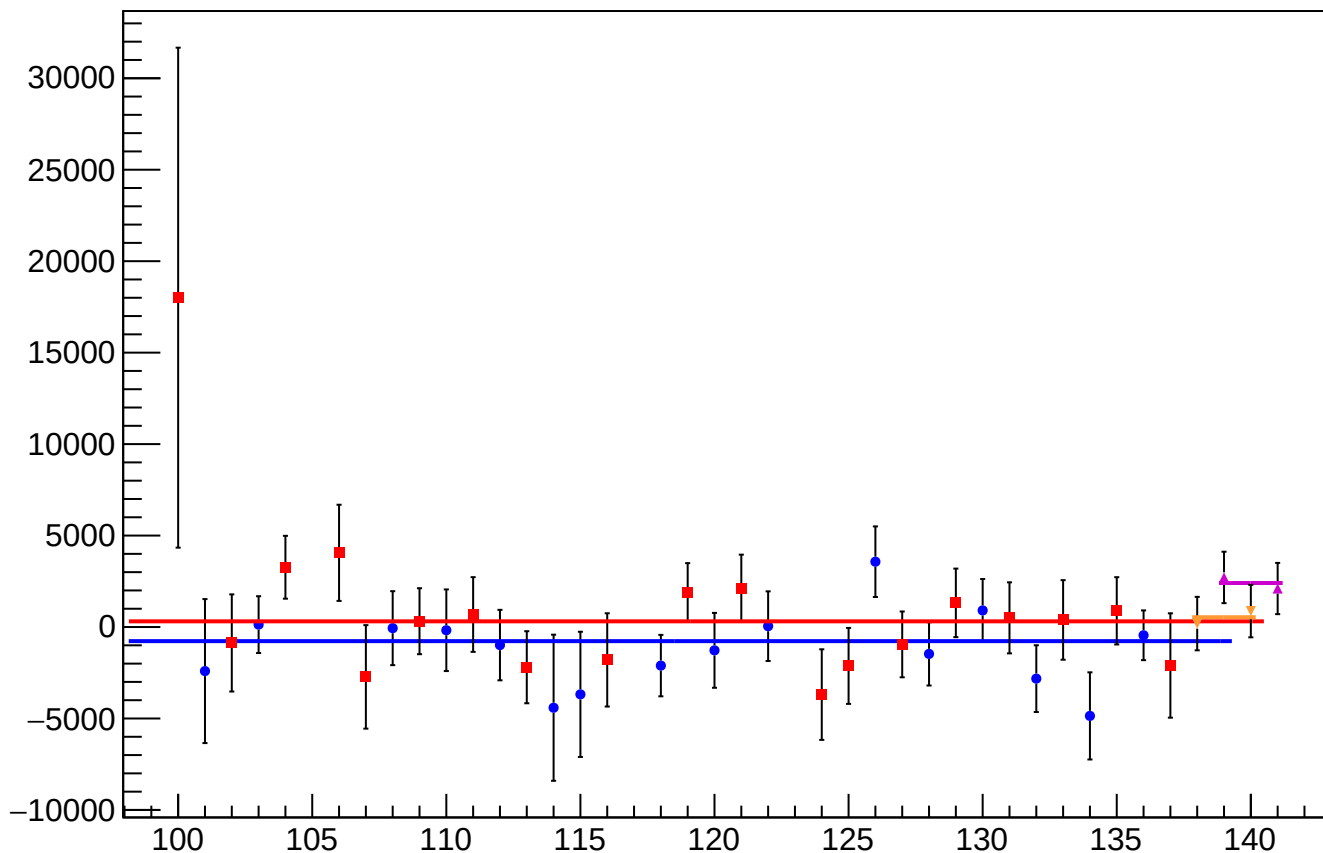
Left In: 283.807+/-0.158 χ^2/NDF : 107020.9/1

+ sign 330.194+/-0.093 χ^2/NDF : 4968493.4/17

All: 338.730+/-0.067 χ^2/NDF : 9911602.2/38

- sign 347.753+/-0.096 χ^2/NDF : 4925749.1/20

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

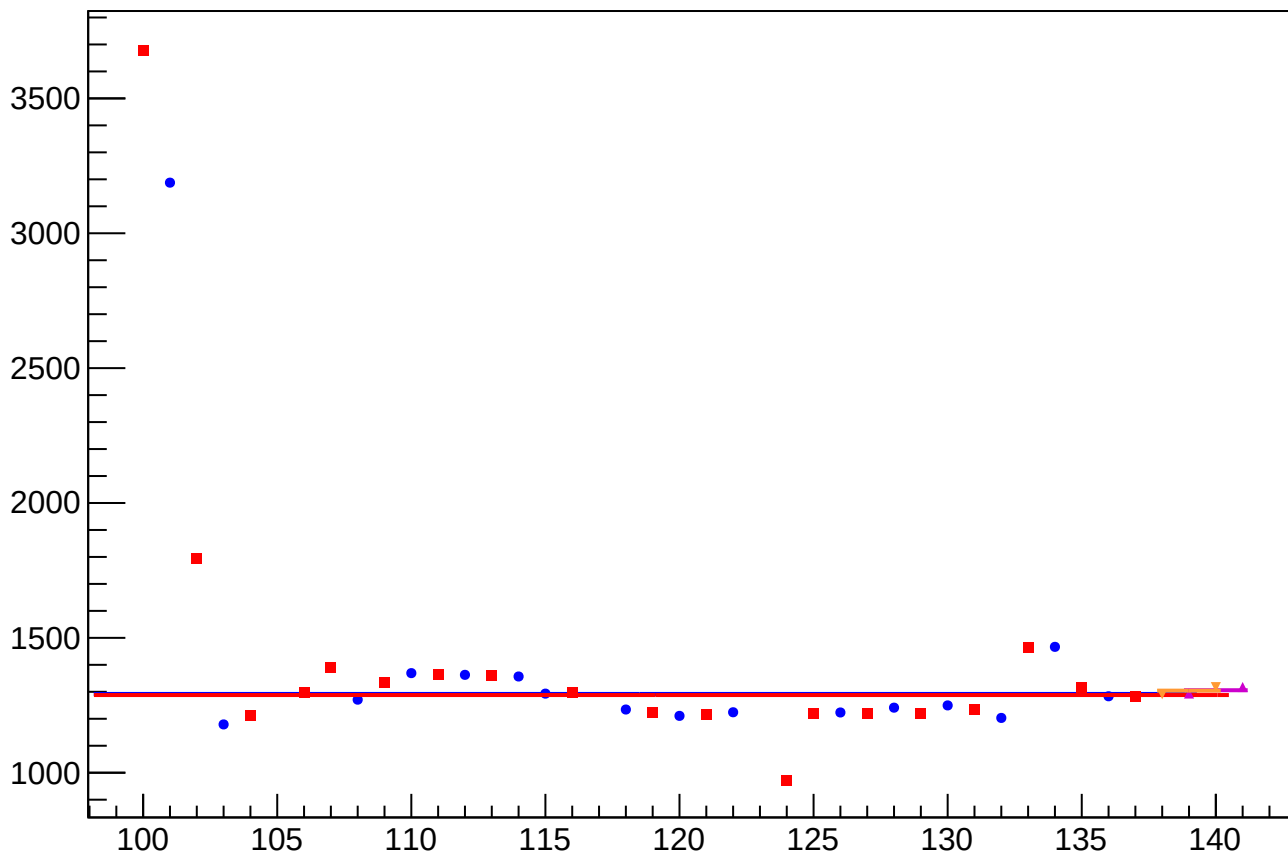
Left In: 2406.560+/-992.473 χ^2/NDF : 0.1/1

+ sign -528.134+/-441.680 χ^2/NDF : 15.0/17

All: 102.820+/-309.579 χ^2/NDF : 40.7/38

- sign 712.135+/-434.040 χ^2/NDF : 21.6/20

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

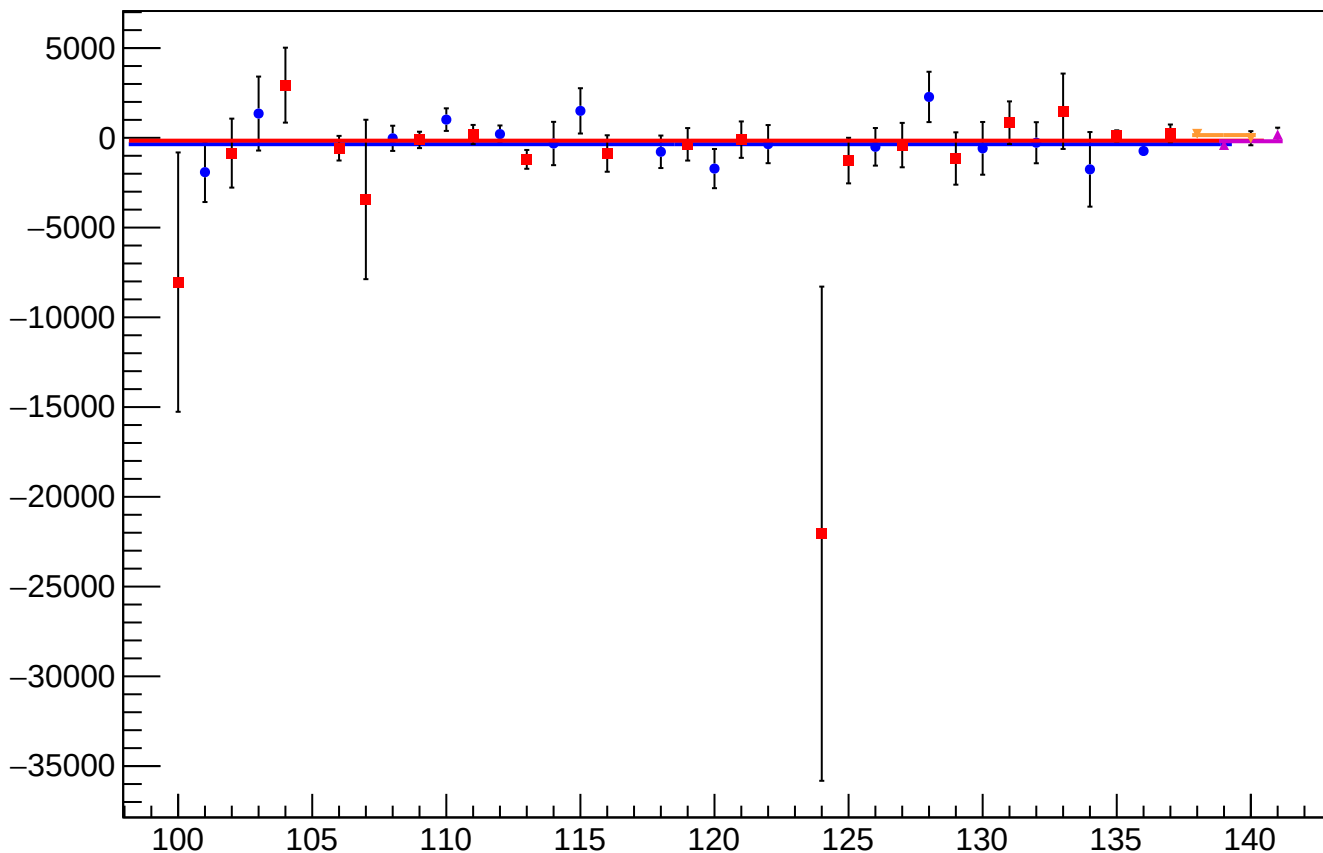
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF:295.2/1

+ sign 1294.321 $\pm$ 0.312 χ^2 /NDF: 509971.4/17

All: 1292.834 $\pm$ 0.219 χ^2 /NDF: 720042.2/38

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210026.2/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -355.226+/-169.973 χ^2/NDF : 18.4/15

Left Out: 151.769+/-207.167 χ^2/NDF : 0.3/1

Right Out: -157.929+/-169.667 χ^2/NDF : 15.8/18

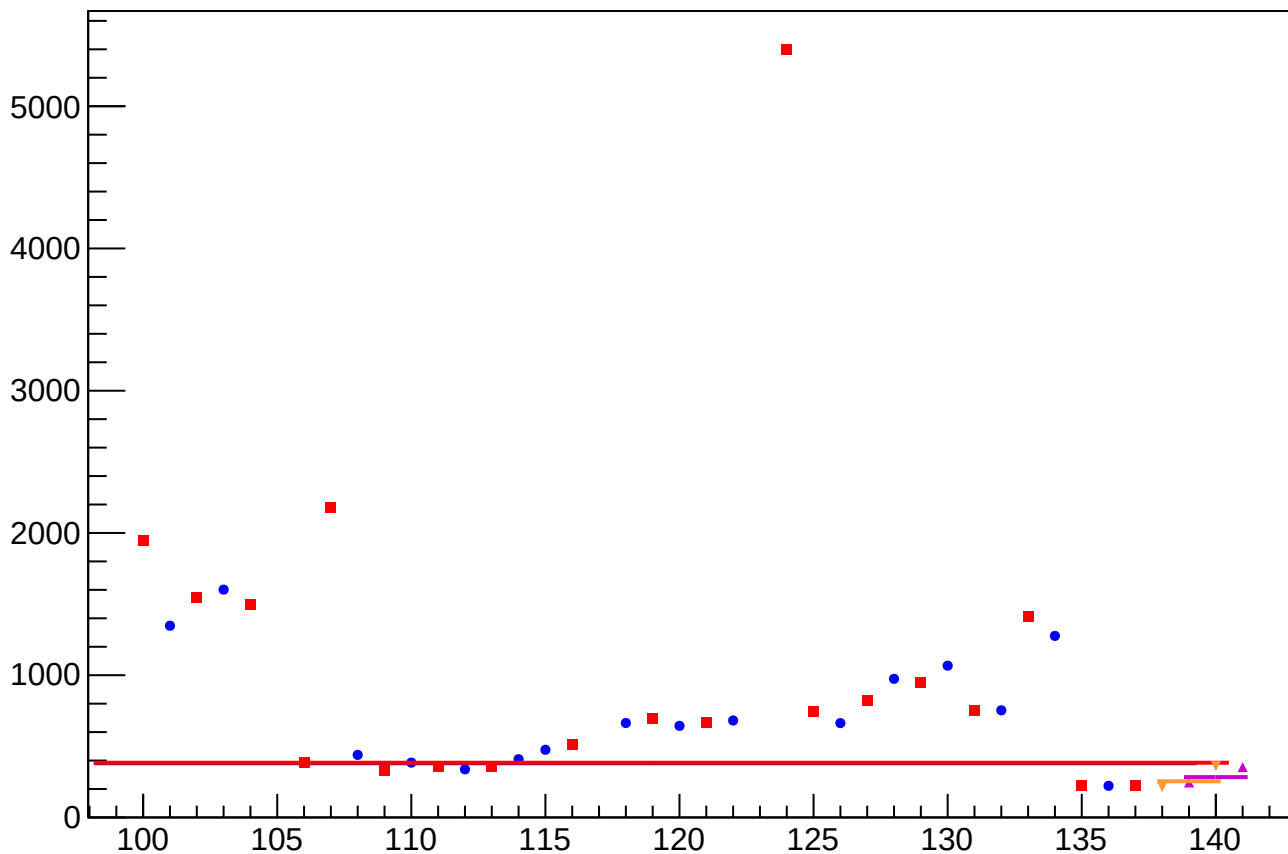
Left In: -191.194+/-223.367 χ^2/NDF : 1.6/1

+ sign -151.246+/-131.405 χ^2/NDF : 22.3/17

All: -160.411+/-94.200 χ^2/NDF : 39.7/38

- sign -170.100+/-135.109 χ^2/NDF : 17.4/20

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

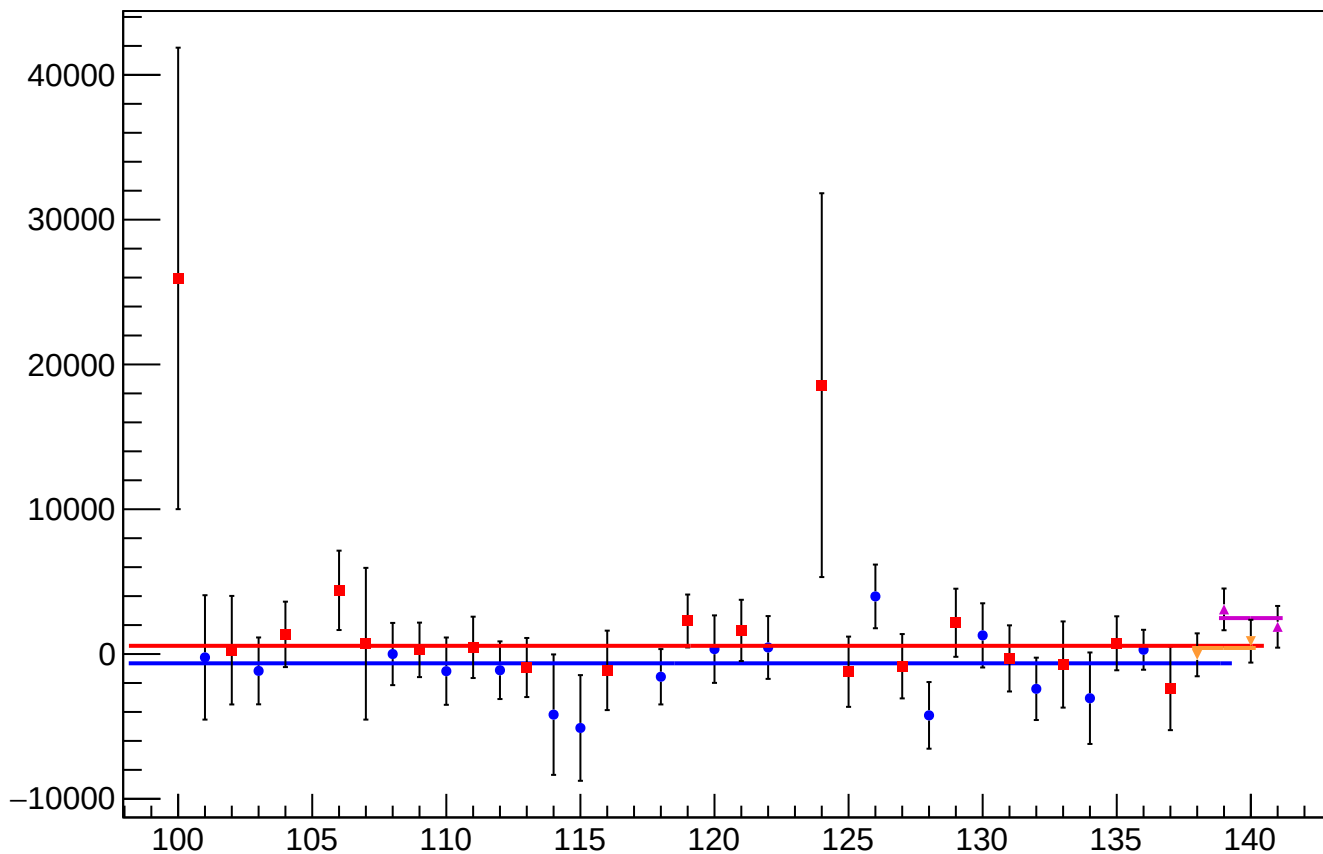
Left In: 283.821+/-0.158 χ^2/NDF : 106991.7/1

+ sign 330.208+/-0.093 χ^2/NDF : 4968216.2/17

All: 338.742+/-0.067 χ^2/NDF : 9911103.1/38

- sign 347.765+/-0.096 χ^2/NDF : 4925532.0/20

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF : 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF : 0.2/1

Right Out: 567.254+/-566.774 χ^2/NDF : 11.3/18

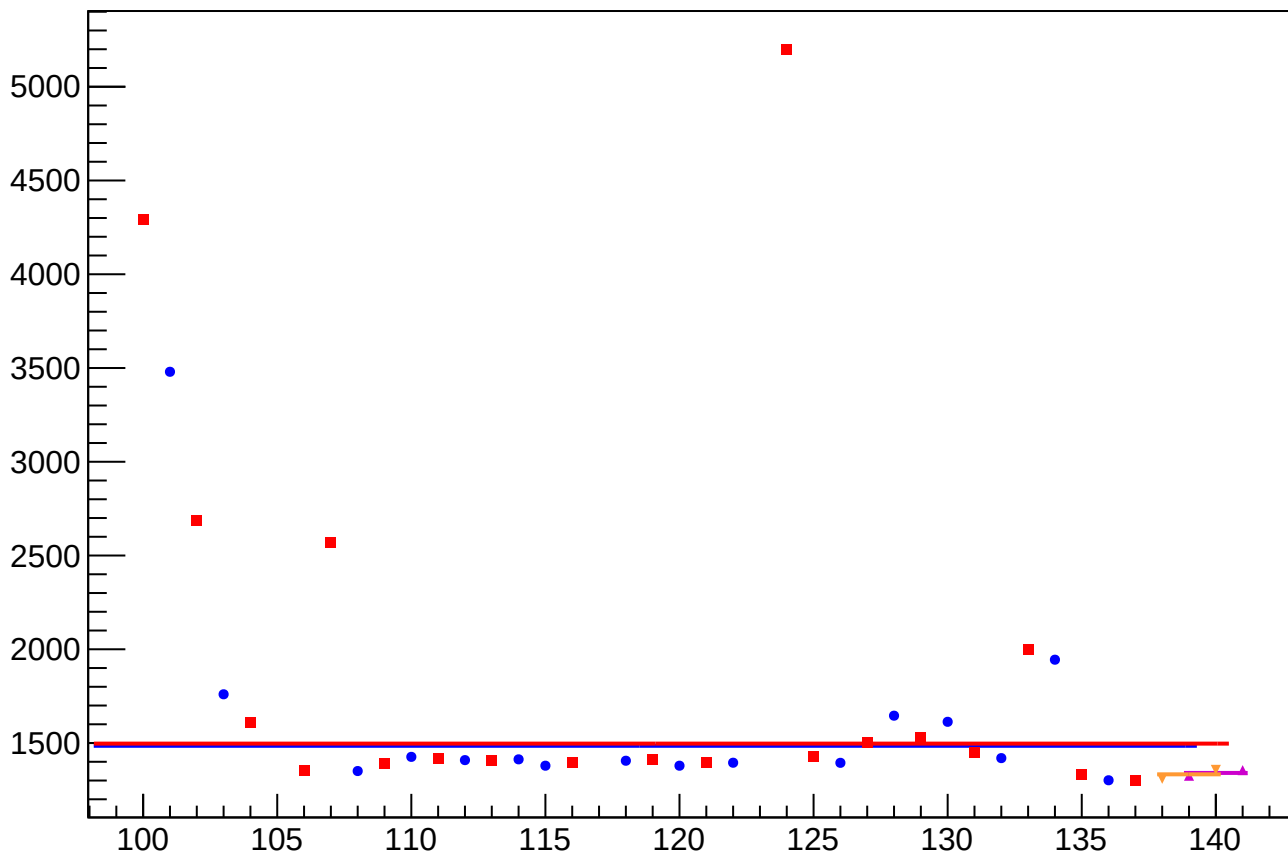
Left In: 2481.984+/-1018.961 χ^2/NDF : 0.3/1

+ sign -402.275+/-496.718 χ^2/NDF : 13.5/17

All: 310.721+/-350.733 χ^2/NDF : 31.9/38

- sign 1019.677+/-495.308 χ^2/NDF : 14.4/20

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF : 1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

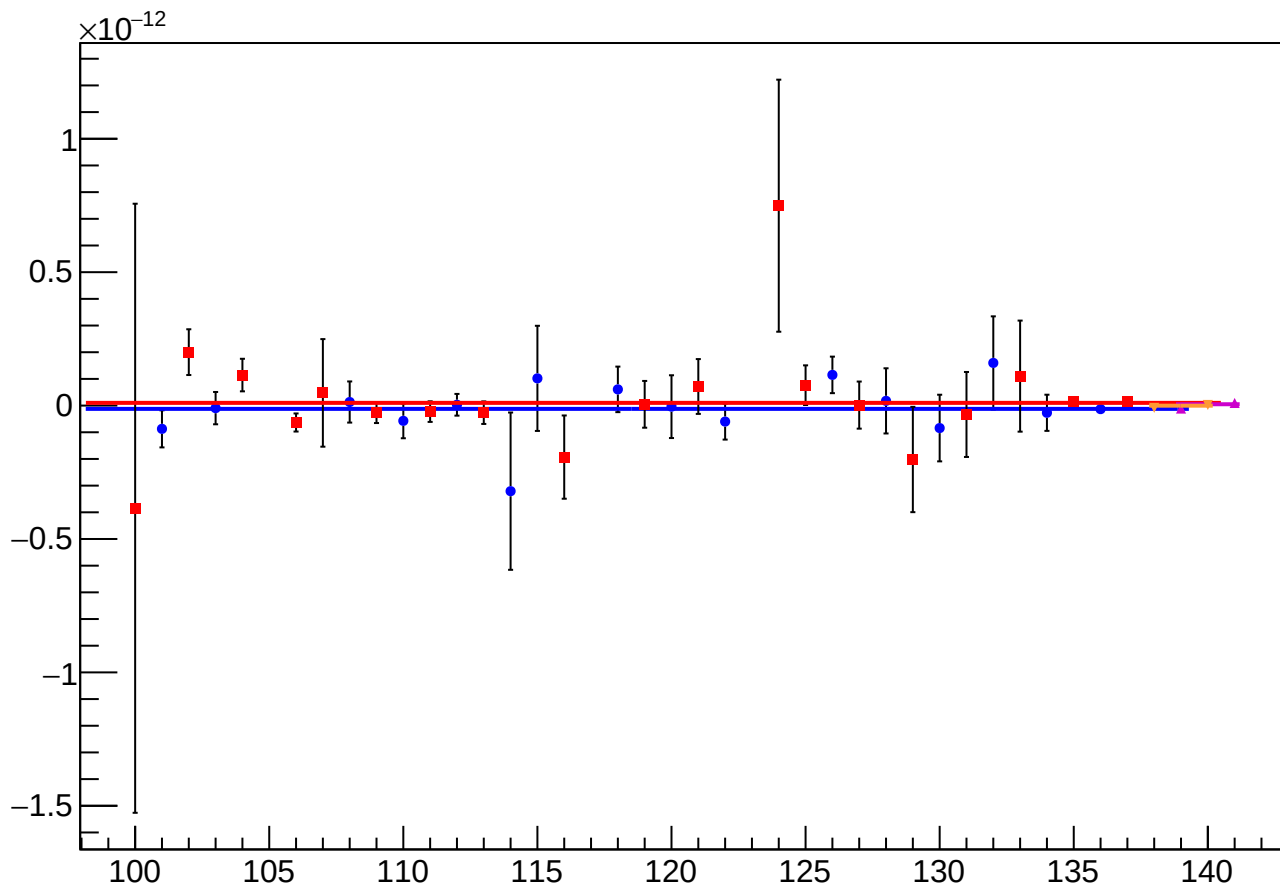
Left In: 1340.532+/-0.721 χ^2/NDF : 427.7/1

+ sign 1451.046+/-0.351 χ^2/NDF : 618330.6/17

All: 1455.499+/-0.248 χ^2/NDF : 1278325.7/38

- sign 1459.926+/-0.350 χ^2/NDF : 659674.6/20

asym_atl1r2_dd_atl2r1_dd_avg_reg_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:1.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

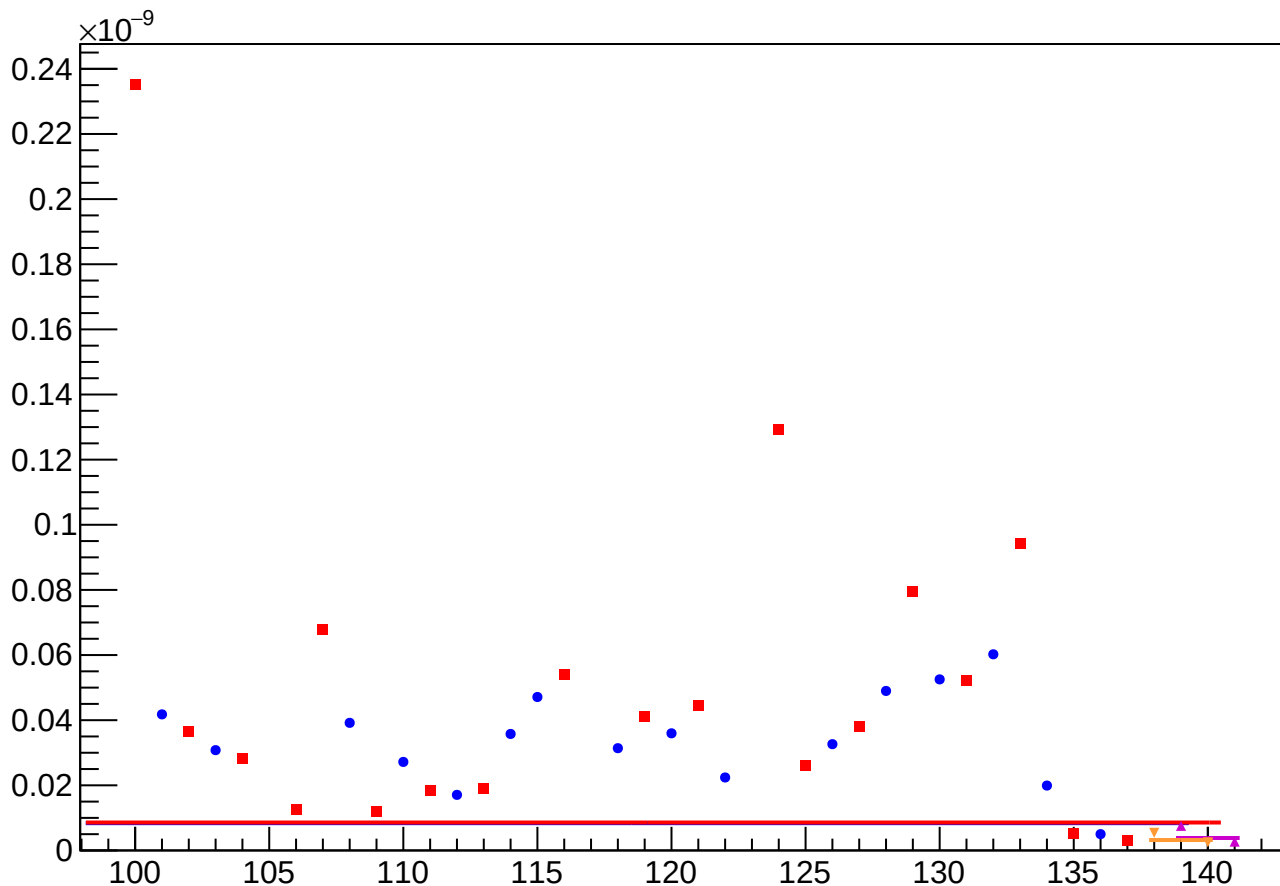
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/20

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3059657.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:171686.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3348571.5/18

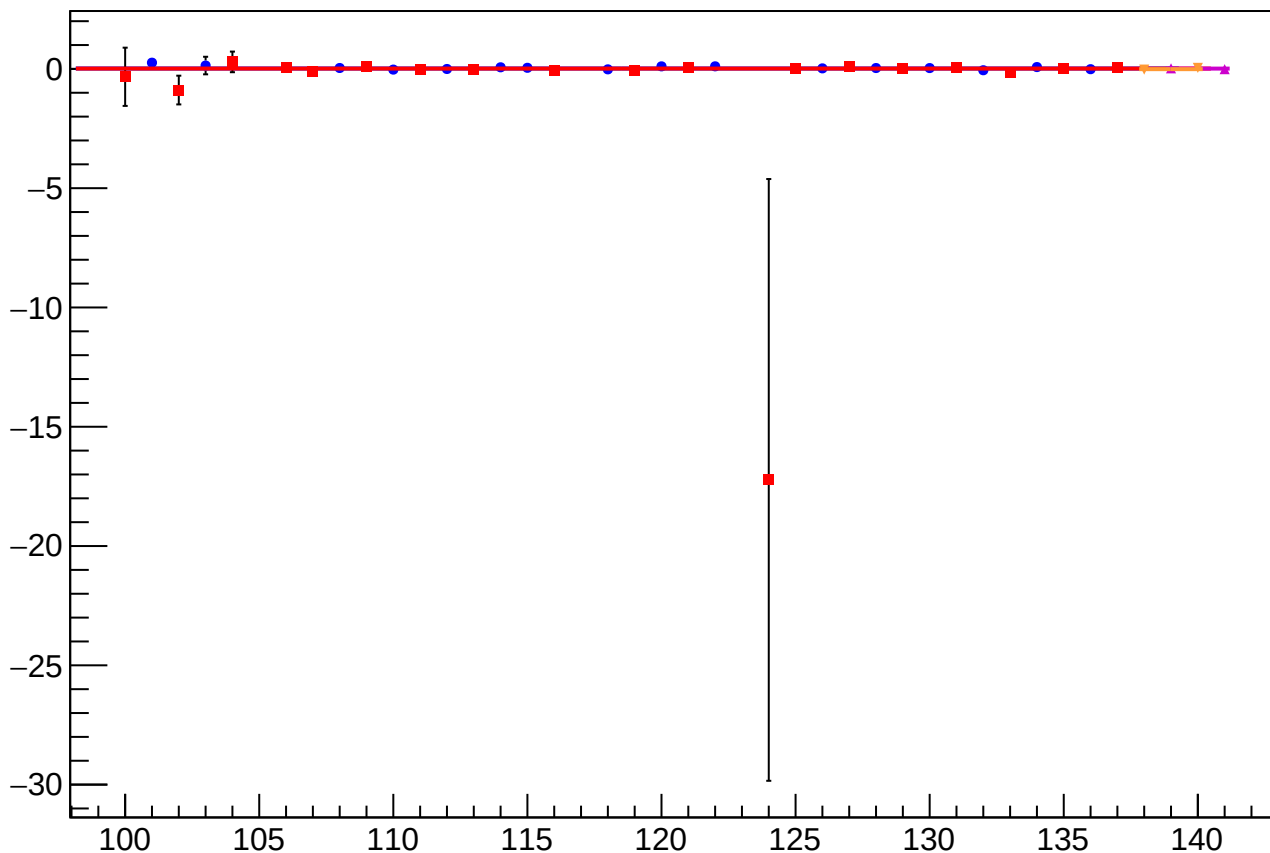
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:314996.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3964271.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8159394.6/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4161537.7/20

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

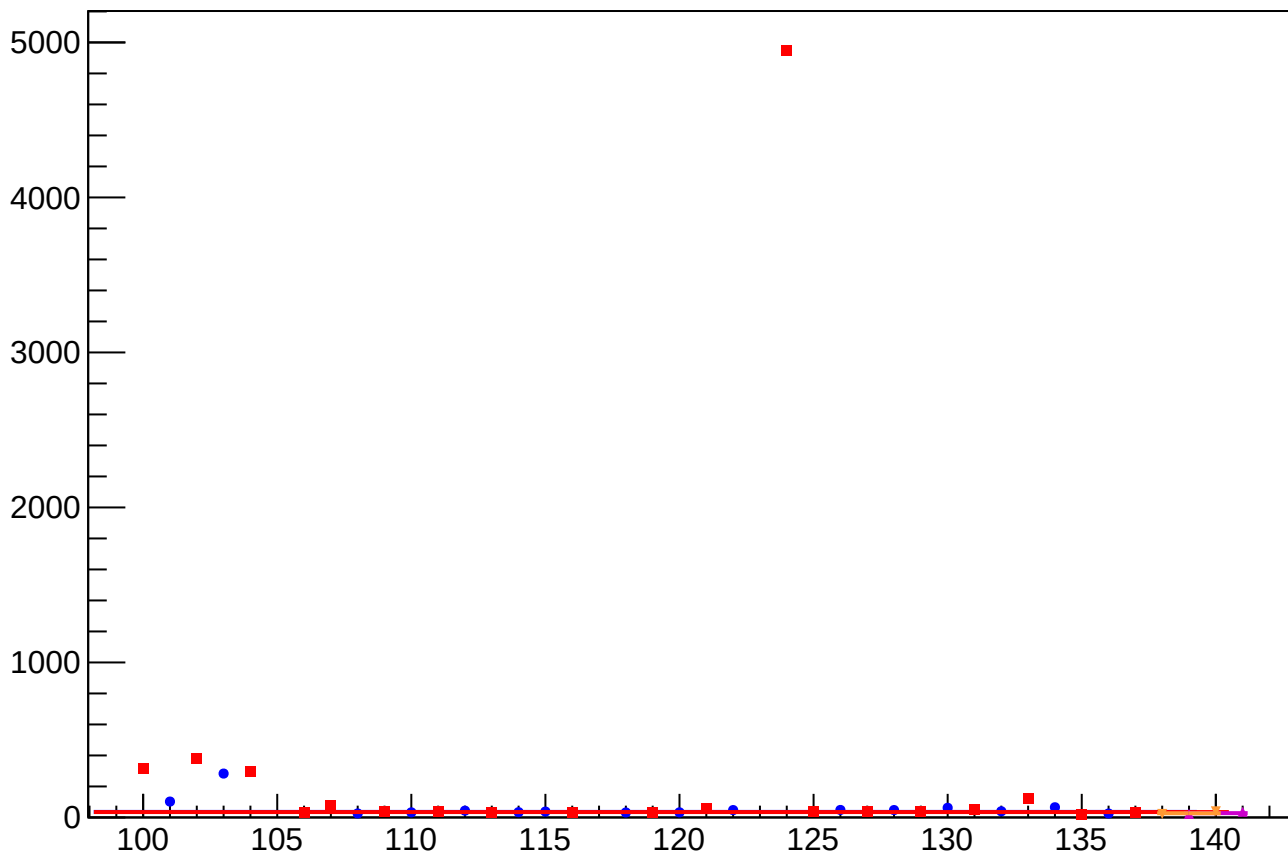
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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

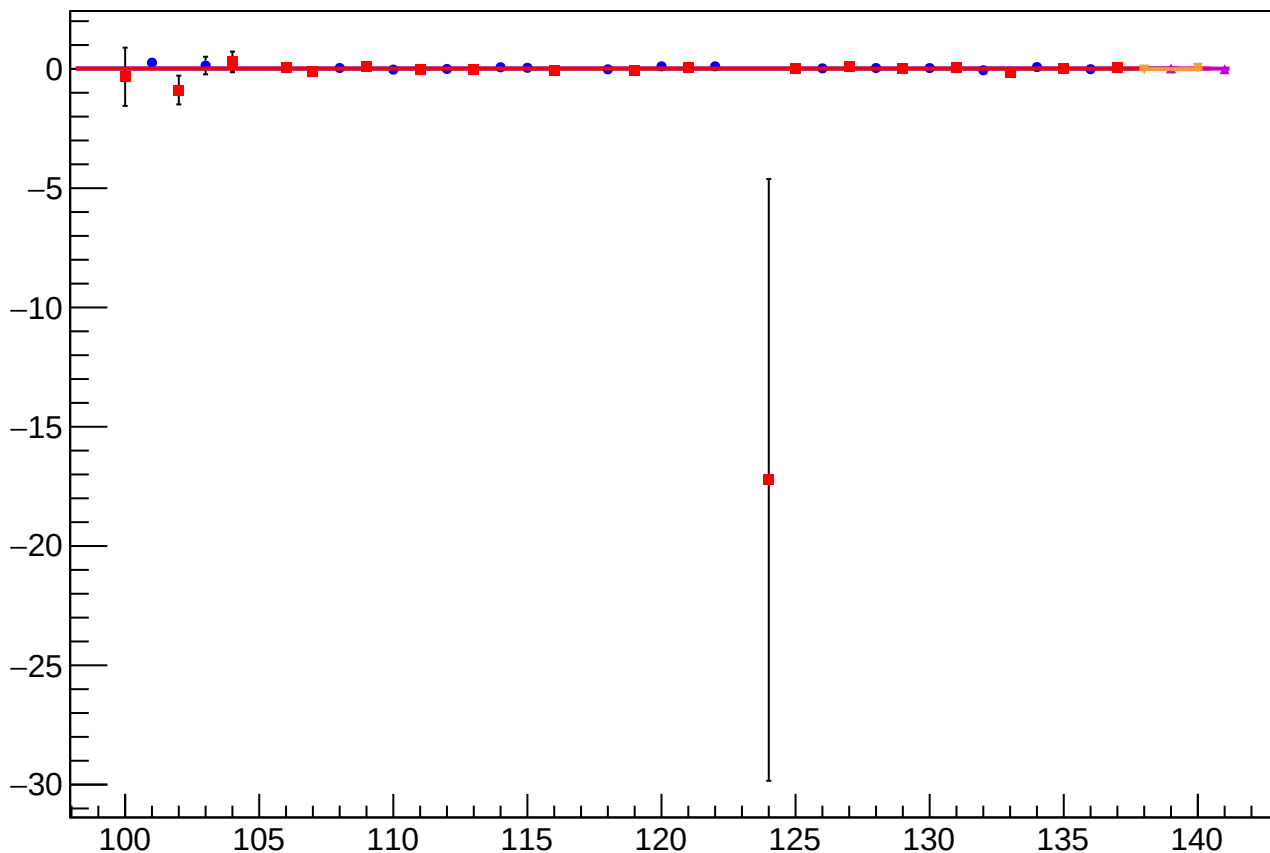
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.944 $\pm$ 0.007 χ^2 /NDF: 5825559.5/38

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 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

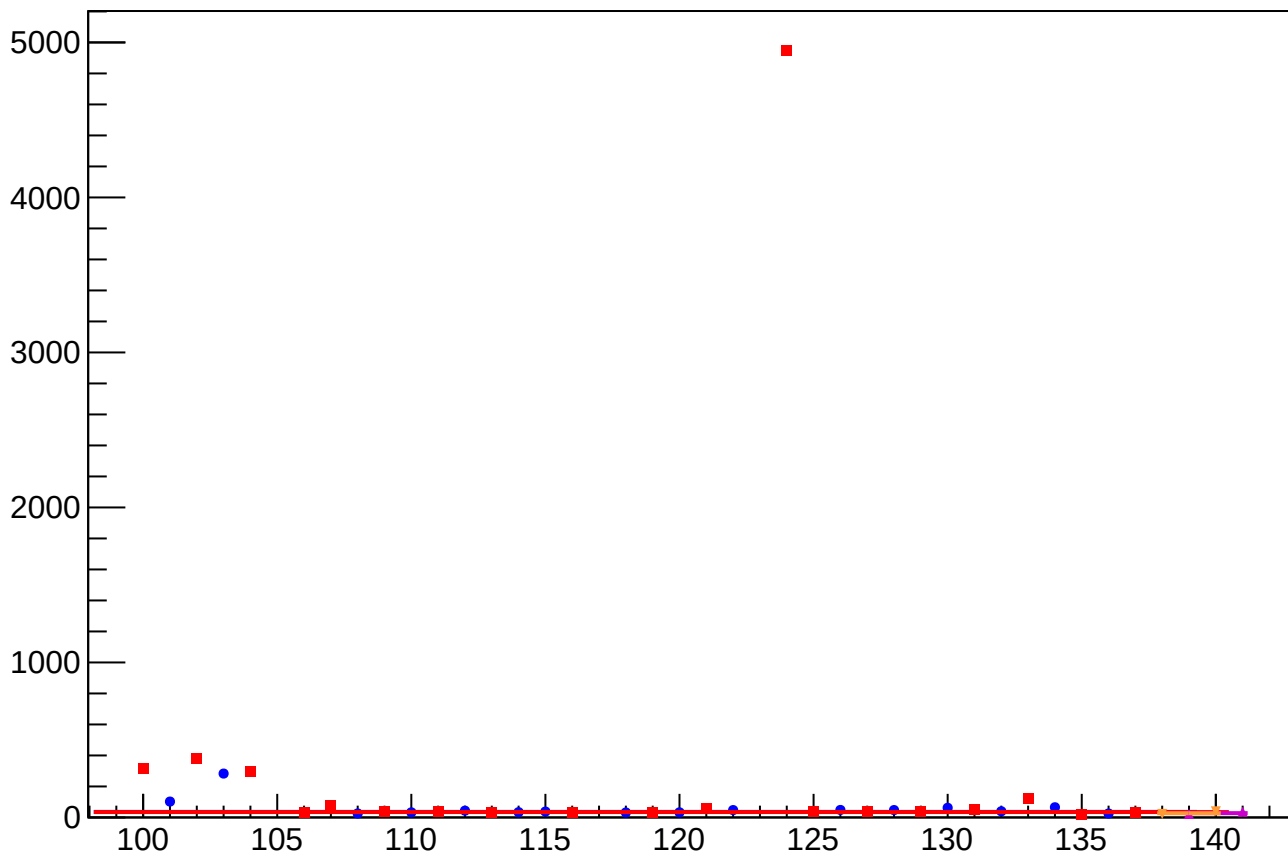
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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

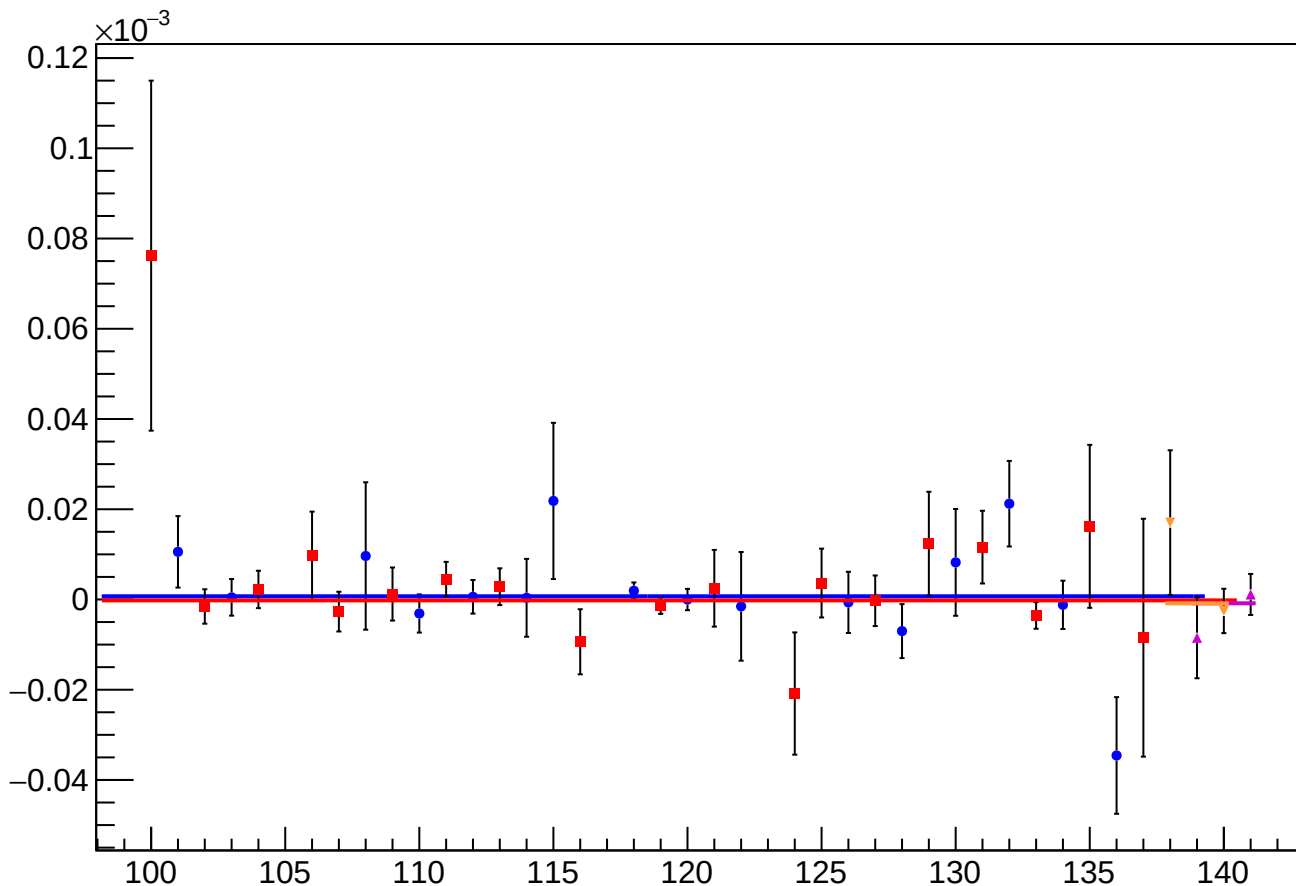
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.137 $\pm$ 0.009 χ^2 /NDF: 2655836.2/17

All: 32.944 $\pm$ 0.007 χ^2 /NDF: 5825559.5/38

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

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

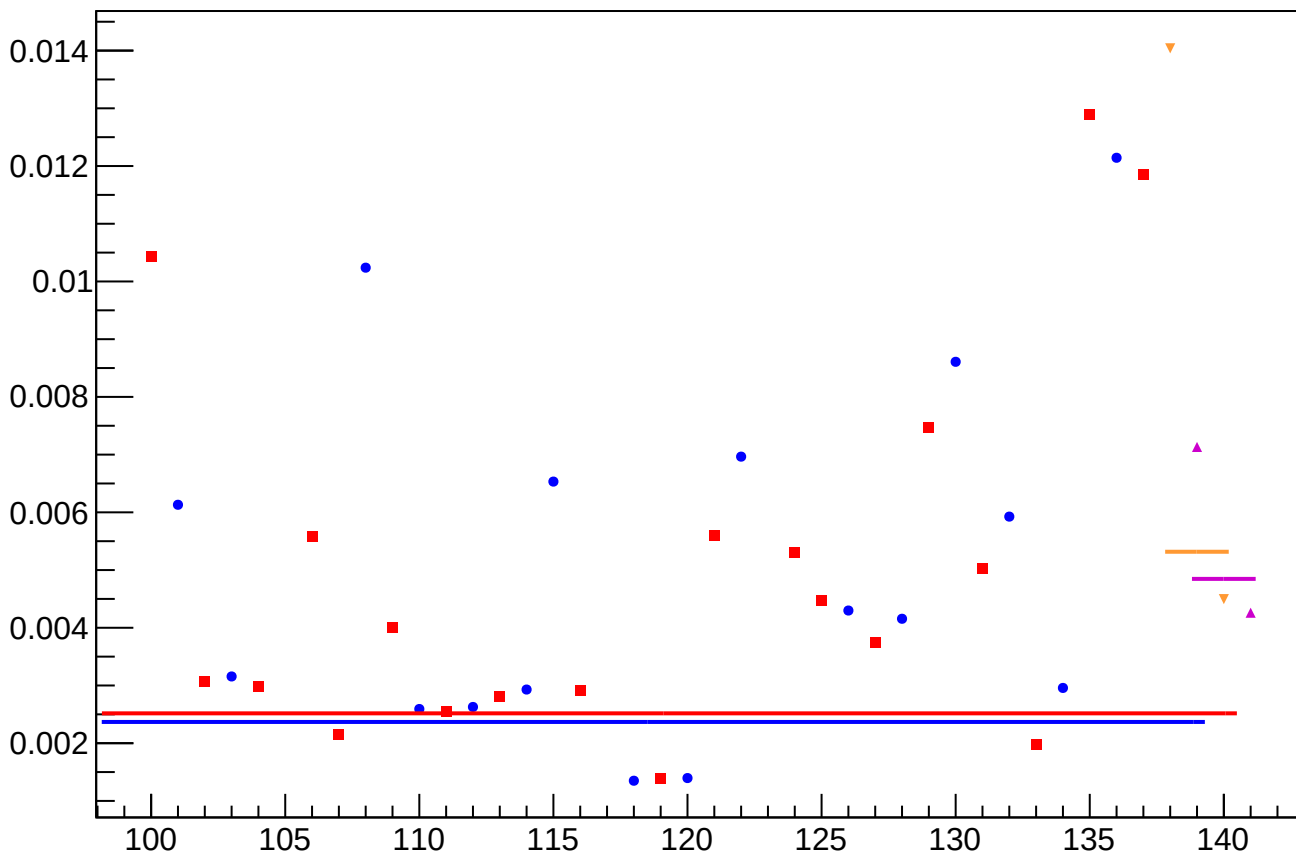
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/20

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

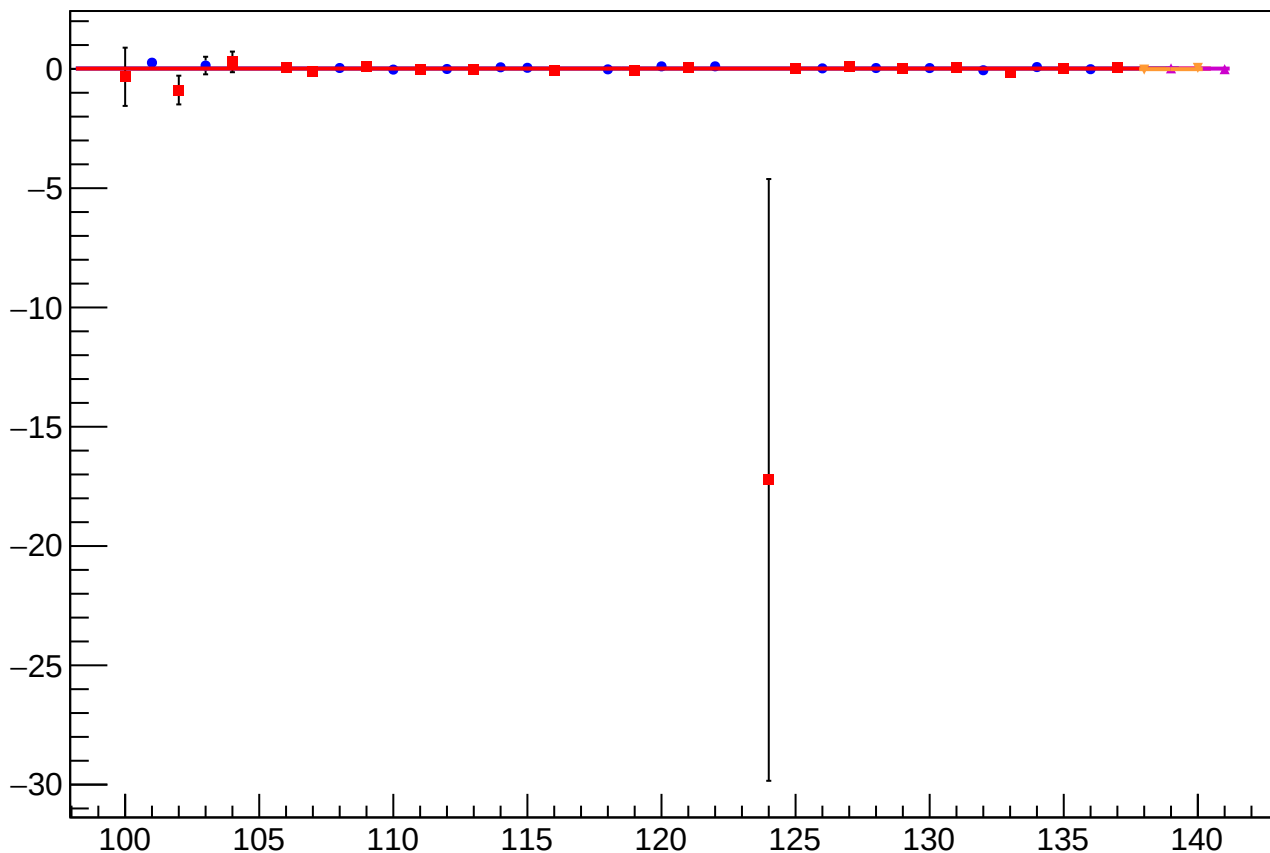
Left In: 0.005+/-0.000 χ^2/NDF : 163119.1/1

+ sign 0.003+/-0.000 χ^2/NDF : 6115096.4/17

All: 0.003+/-0.000 χ^2/NDF : 10312537.1/38

- sign 0.003+/-0.000 χ^2/NDF : 4178584.2/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 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

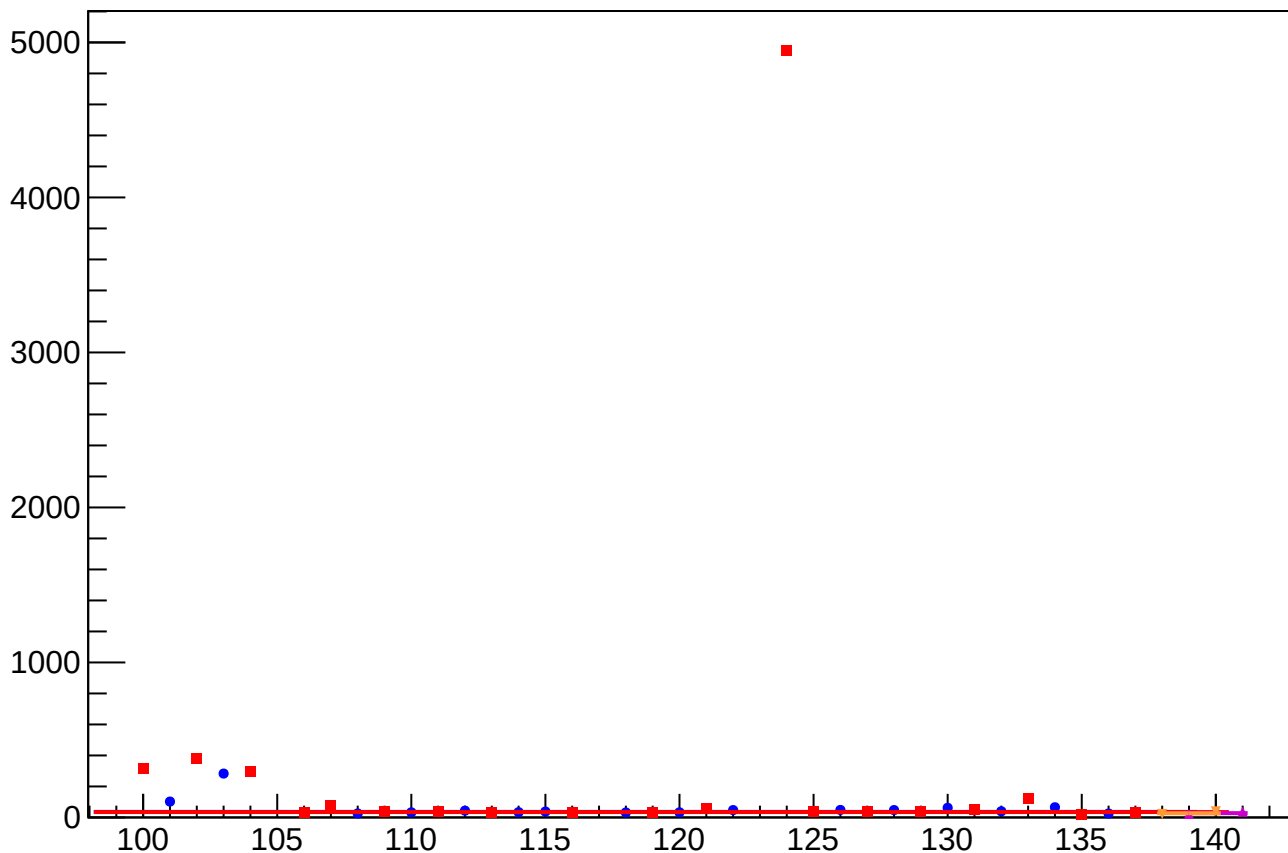
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF : 201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

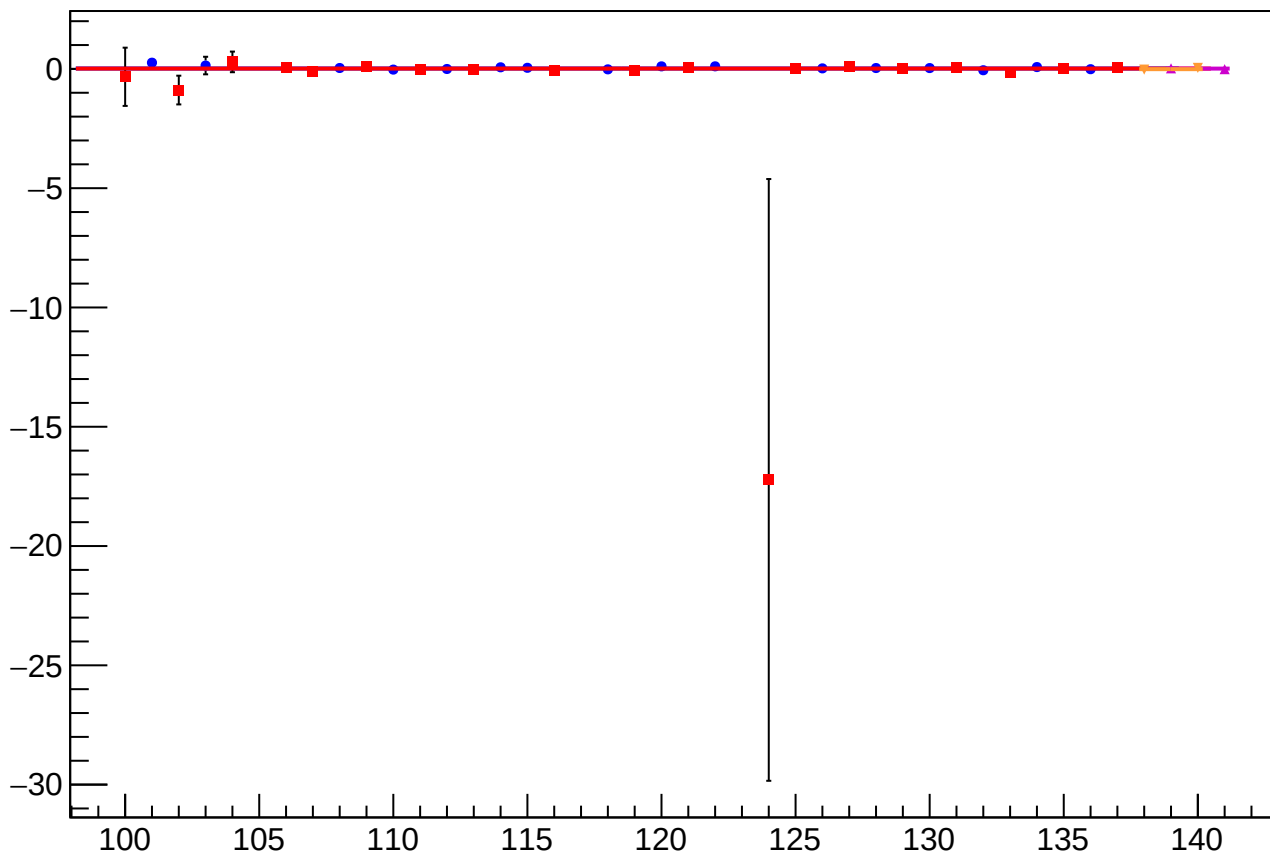
Left In: 27.827+/-0.017 χ^2/NDF : 137739.1/1

+ sign 33.138+/-0.009 χ^2/NDF : 2655758.9/17

All: 32.944+/-0.007 χ^2/NDF : 5825689.9/38

- sign 32.744+/-0.009 χ^2/NDF : 3169017.0/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 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

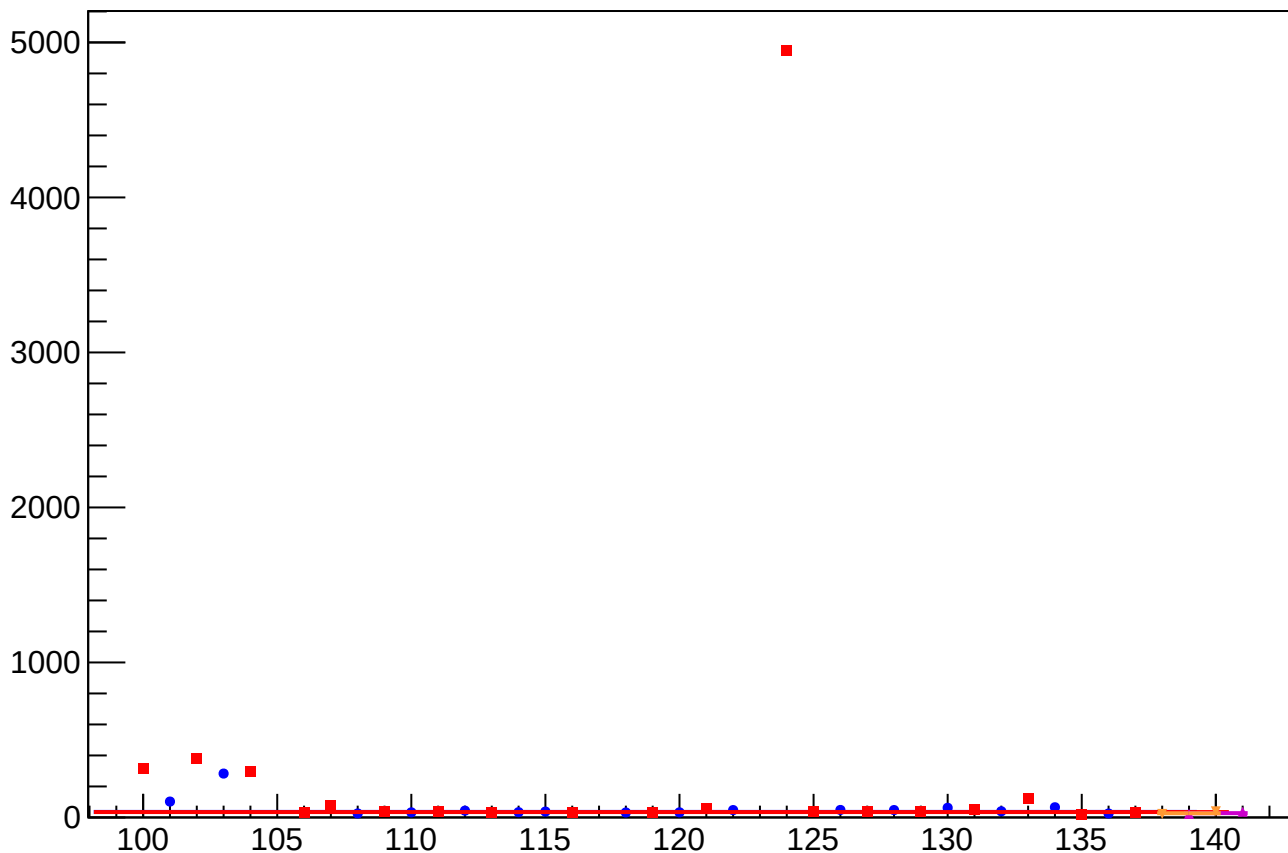
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.009 $\pm$ 0.013 χ^2 /NDF: 14.3/17

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 30.8/38

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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

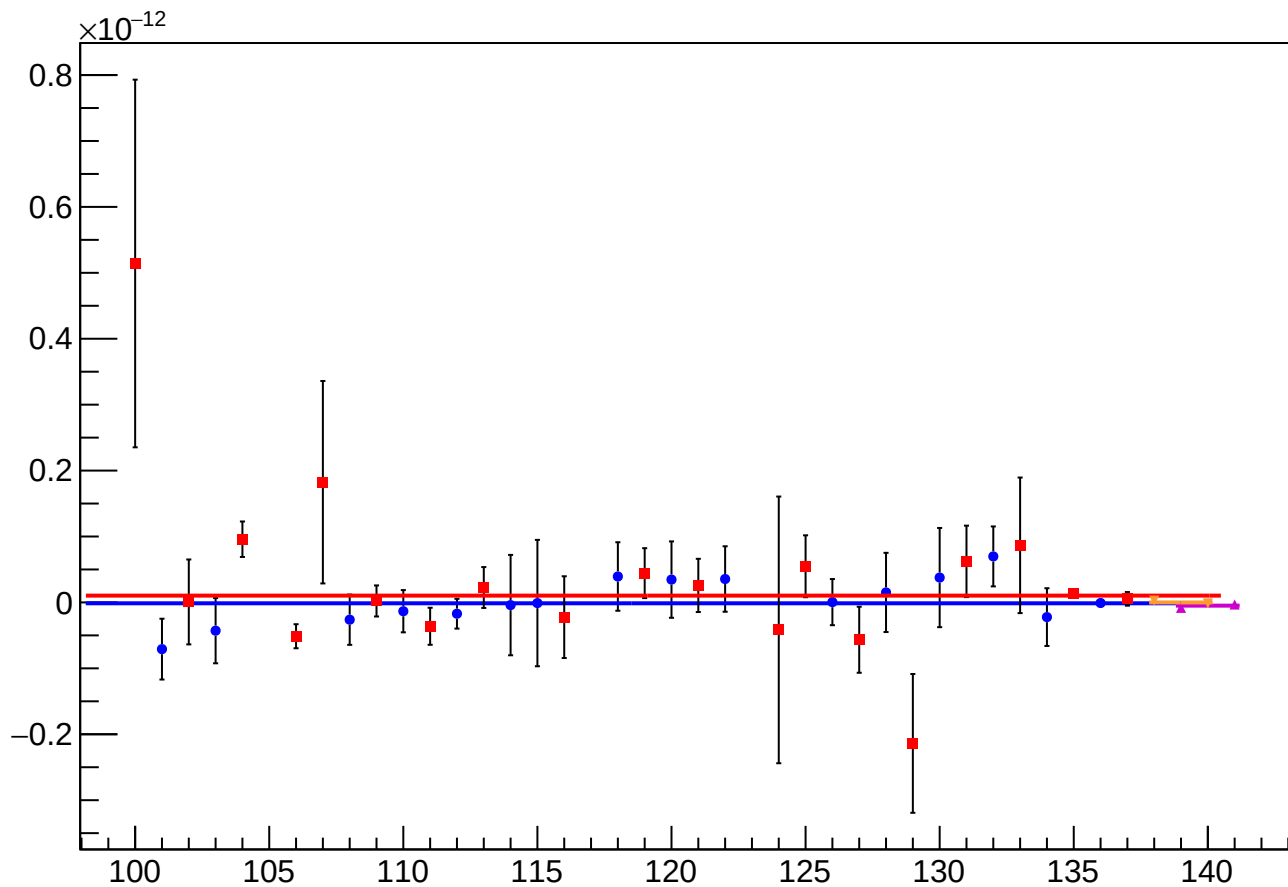
Left In: 27.827+/-0.017 χ^2/NDF : 137739.1/1

+ sign 33.138+/-0.009 χ^2/NDF : 2655758.9/17

All: 32.944+/-0.007 χ^2/NDF : 5825689.9/38

- sign 32.744+/-0.009 χ^2/NDF : 3169017.0/20

asym_atl1r2_dd_atl2r1_dd_avg_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

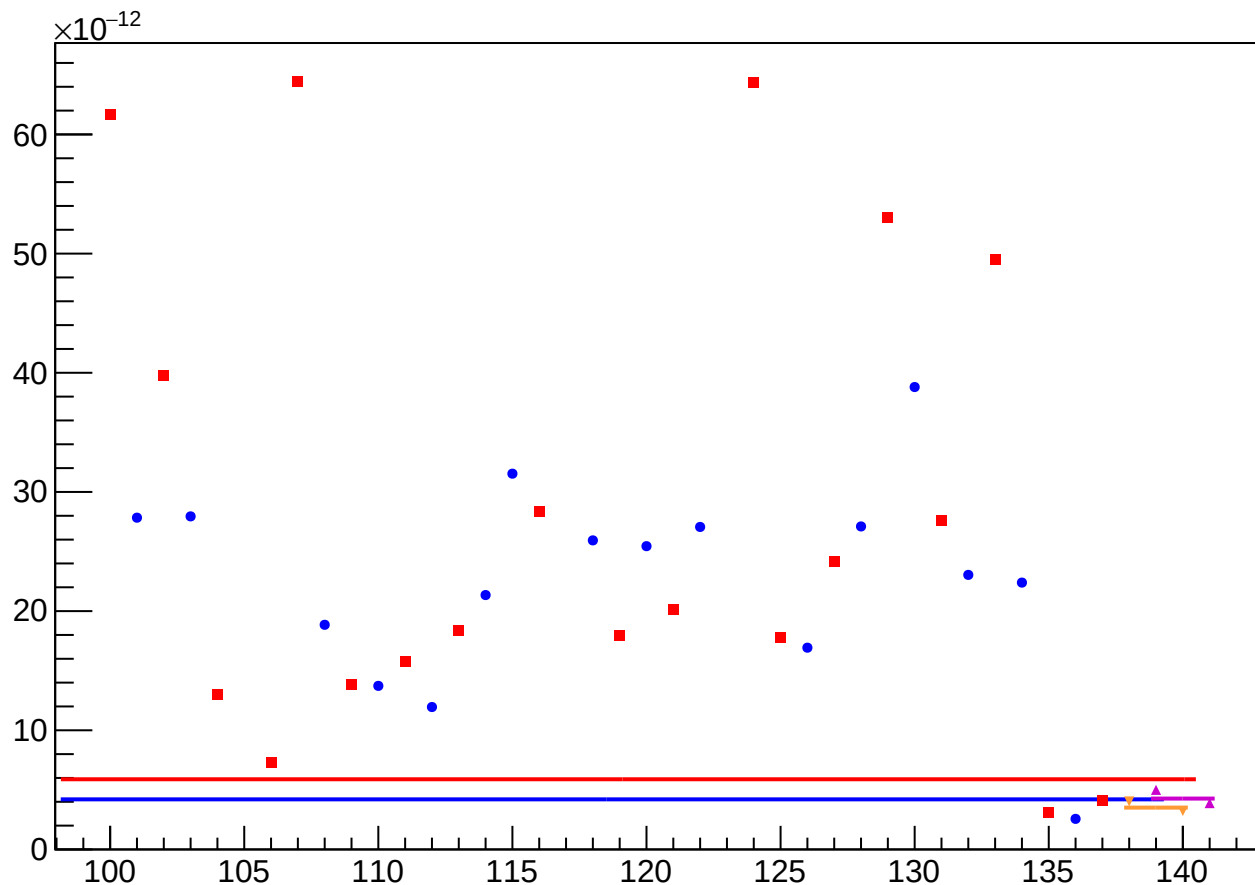
Left In: -0.000+/-0.000 χ^2 /NDF: 0.4/1

+ sign -0.000+/-0.000 χ^2 /NDF: 9.1/17

All: 0.000+/-0.000 χ^2 /NDF: 57.0/38

- sign 0.000+/-0.000 χ^2 /NDF: 47.3/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

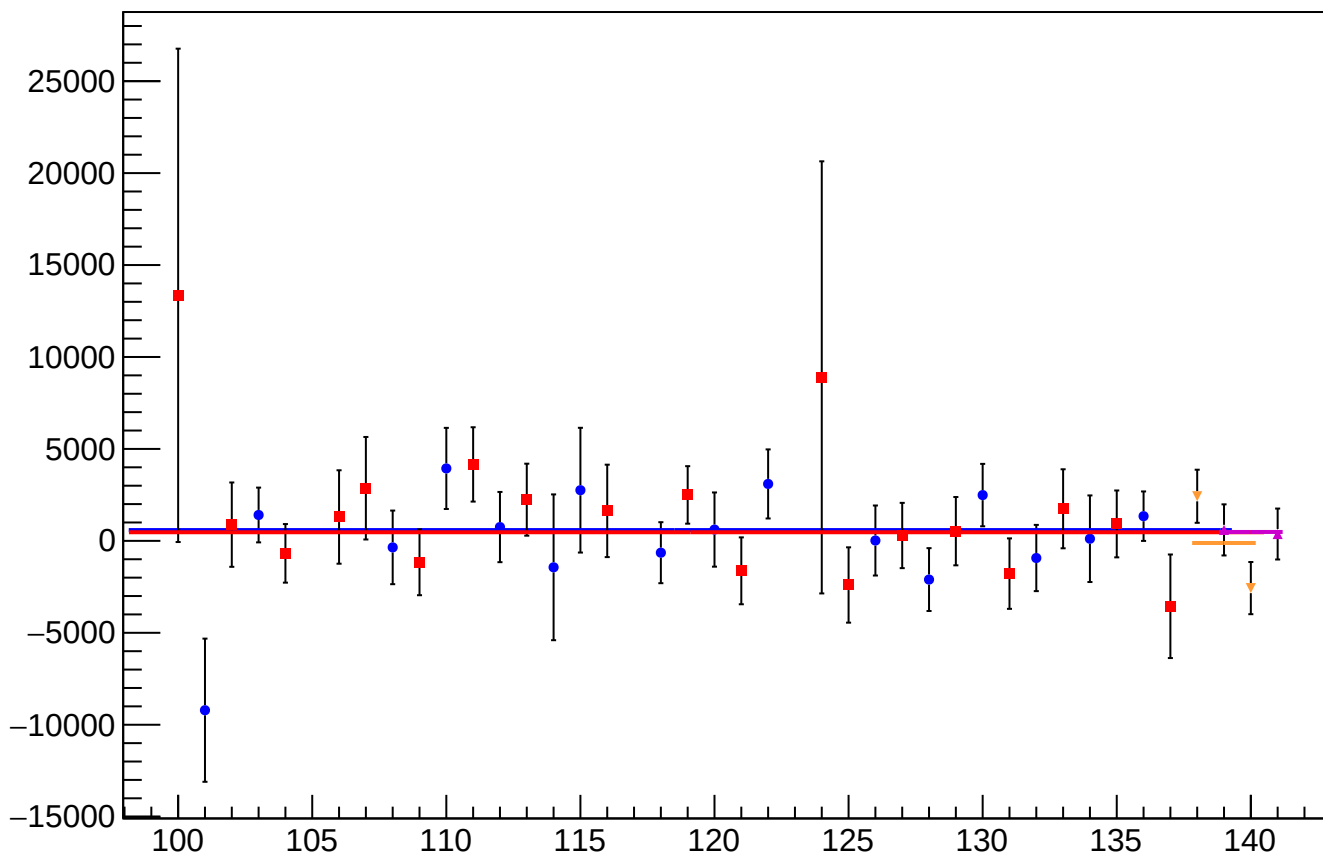
Left In: 0.000+/-0.000 χ^2/NDF : 36200.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 5150867.9/17

All: 0.000+/-0.000 χ^2/NDF : 10413004.2/38

- sign 0.000+/-0.000 χ^2/NDF : 5056896.0/20

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

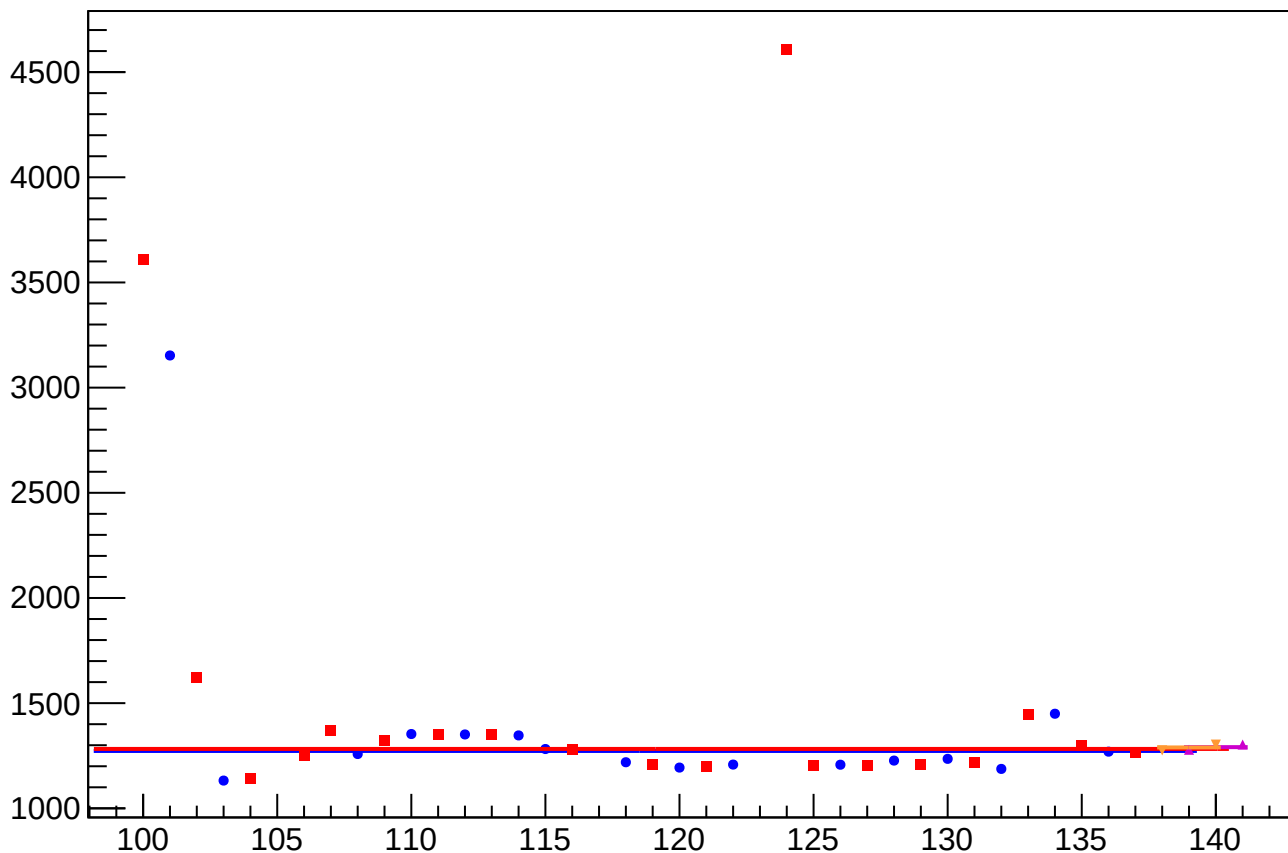
Left In: 483.916 $\pm$ 981.051 χ^2 /NDF:0.0/1

+ sign 456.927 $\pm$ 435.476 χ^2 /NDF: 23.6/17

All: 464.480 $\pm$ 306.524 χ^2 /NDF: 40.4/38

- sign 471.896 $\pm$ 431.533 χ^2 /NDF: 16.9/20

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2 /NDF: 519298.2/15

Left Out: 1289.372+/-0.716 χ^2 /NDF: 368.5/1

Right Out: 1282.365+/-0.340 χ^2 /NDF: 322078.6/18

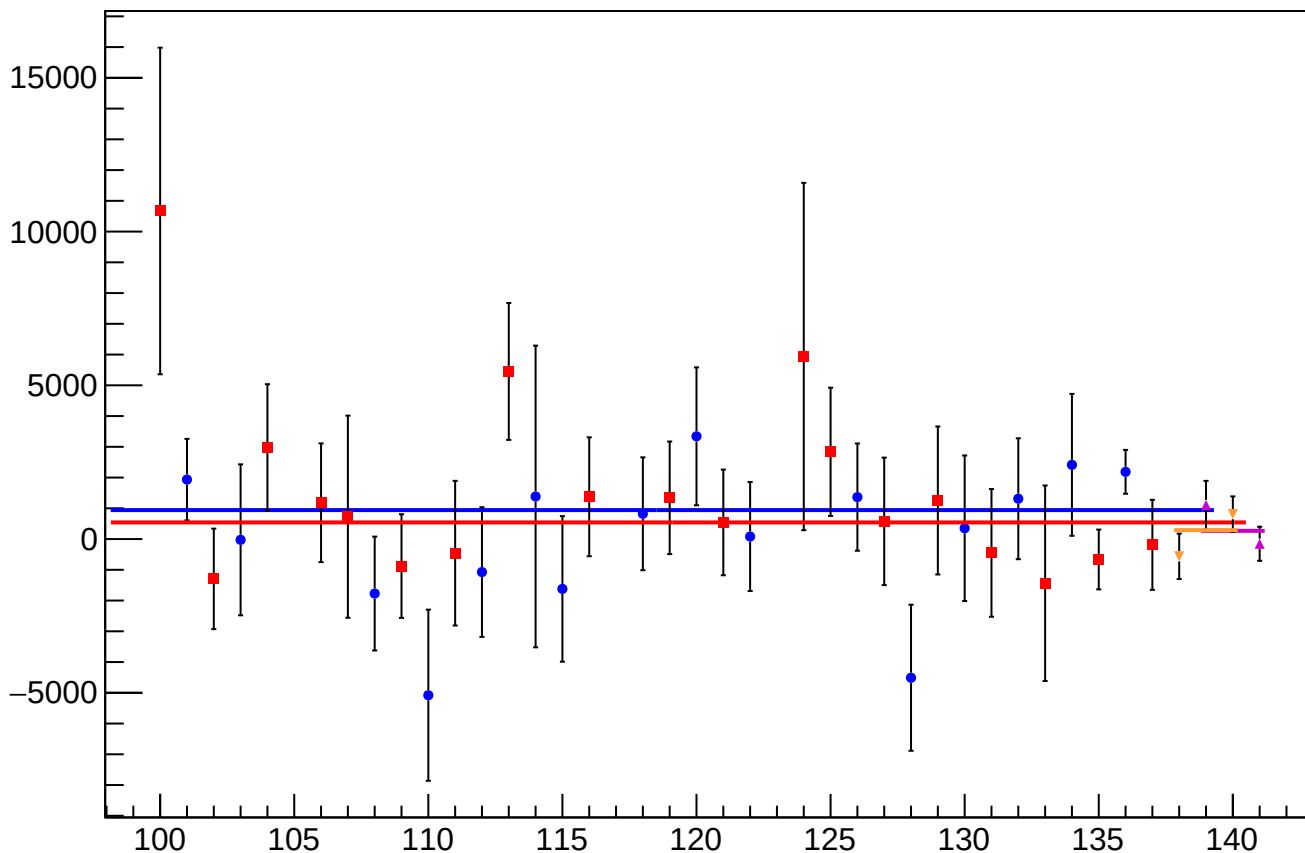
Left In: 1290.901+/-0.694 χ^2 /NDF: 316.8/1

+ sign 1275.873+/-0.308 χ^2 /NDF: 520103.5/17

All: 1279.982+/-0.217 χ^2 /NDF: 842974.0/38

- sign 1284.017+/-0.305 χ^2 /NDF: 322517.6/20

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 941.759 $\pm$ 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

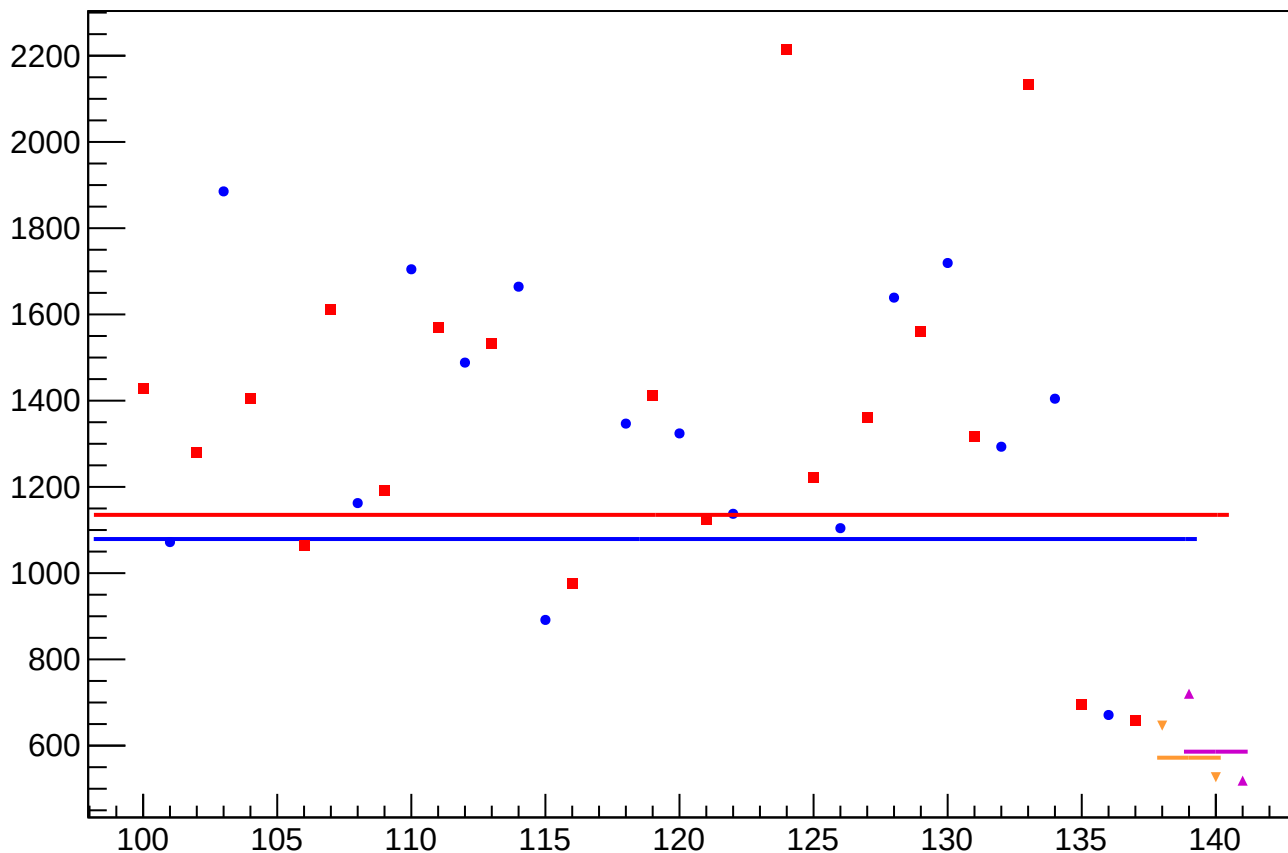
Left In: 266.801 $\pm$ 452.548 χ^2 /NDF: 1.7/1

+ sign 637.488 $\pm$ 310.705 χ^2 /NDF: 23.1/17

All: 524.275 $\pm$ 221.355 χ^2 /NDF: 42.5/38

- sign 407.590 $\pm$ 315.435 χ^2 /NDF: 19.1/20

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

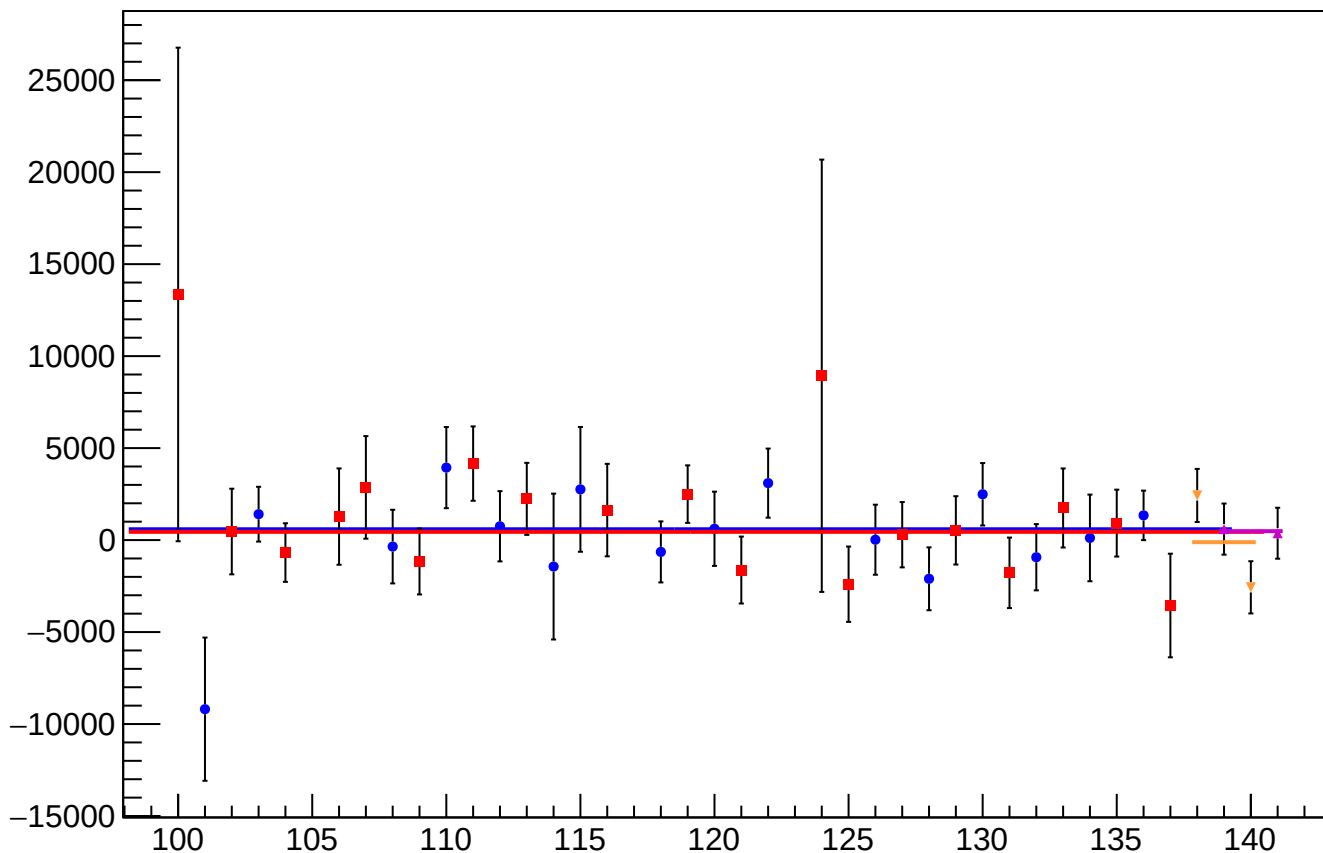
Left In: 585.978+/-0.320 χ^2/NDF : 88146.9/1

+ sign 841.977+/-0.220 χ^2/NDF : 2841228.4/17

All: 854.964+/-0.157 χ^2/NDF : 5743933.6/38

- sign 868.348+/-0.223 χ^2/NDF : 2895610.4/20

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF : 6.1/1

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

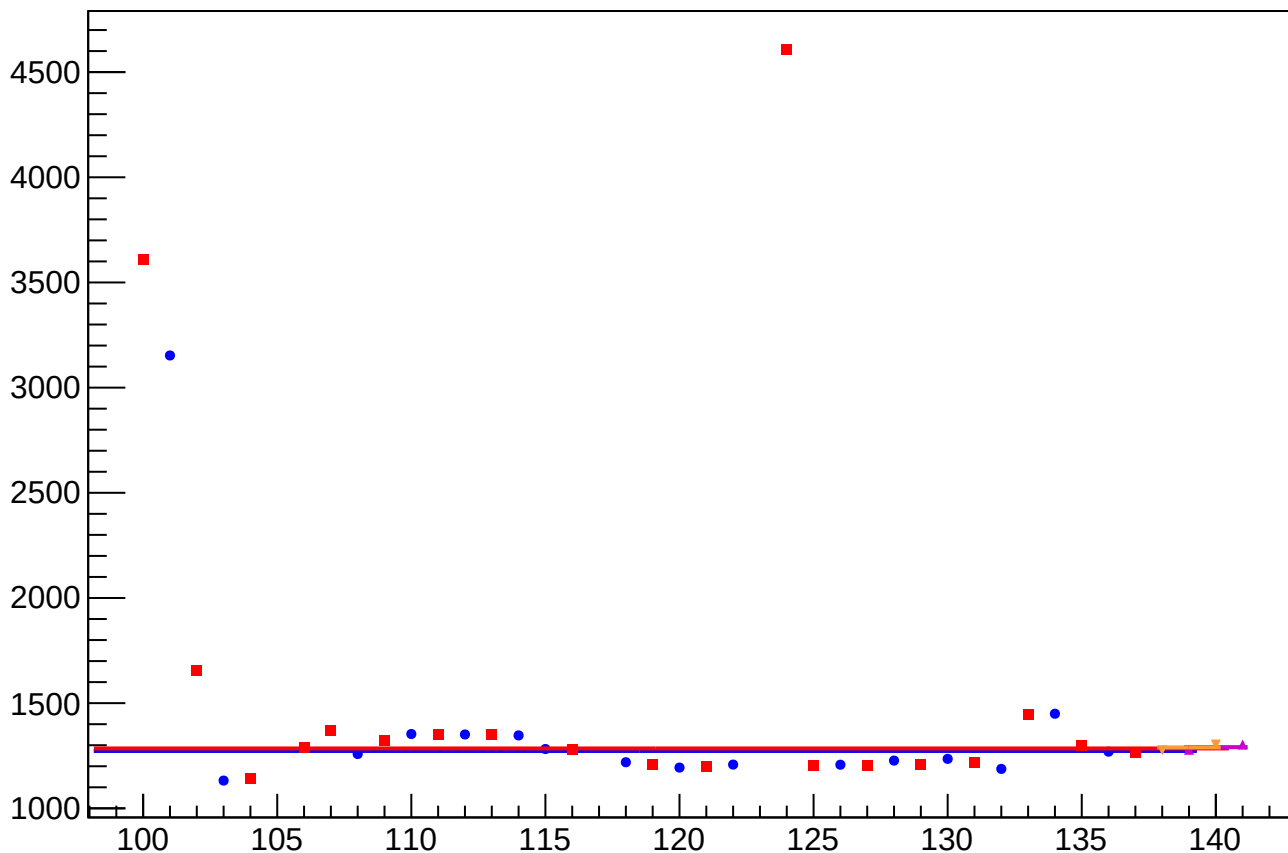
Left In: 483.795+/-981.051 χ^2/NDF : 0.0/1

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 456.221+/-306.736 χ^2/NDF : 40.4/38

- sign 455.277+/-432.125 χ^2/NDF : 16.8/20

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804 $\pm$ 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

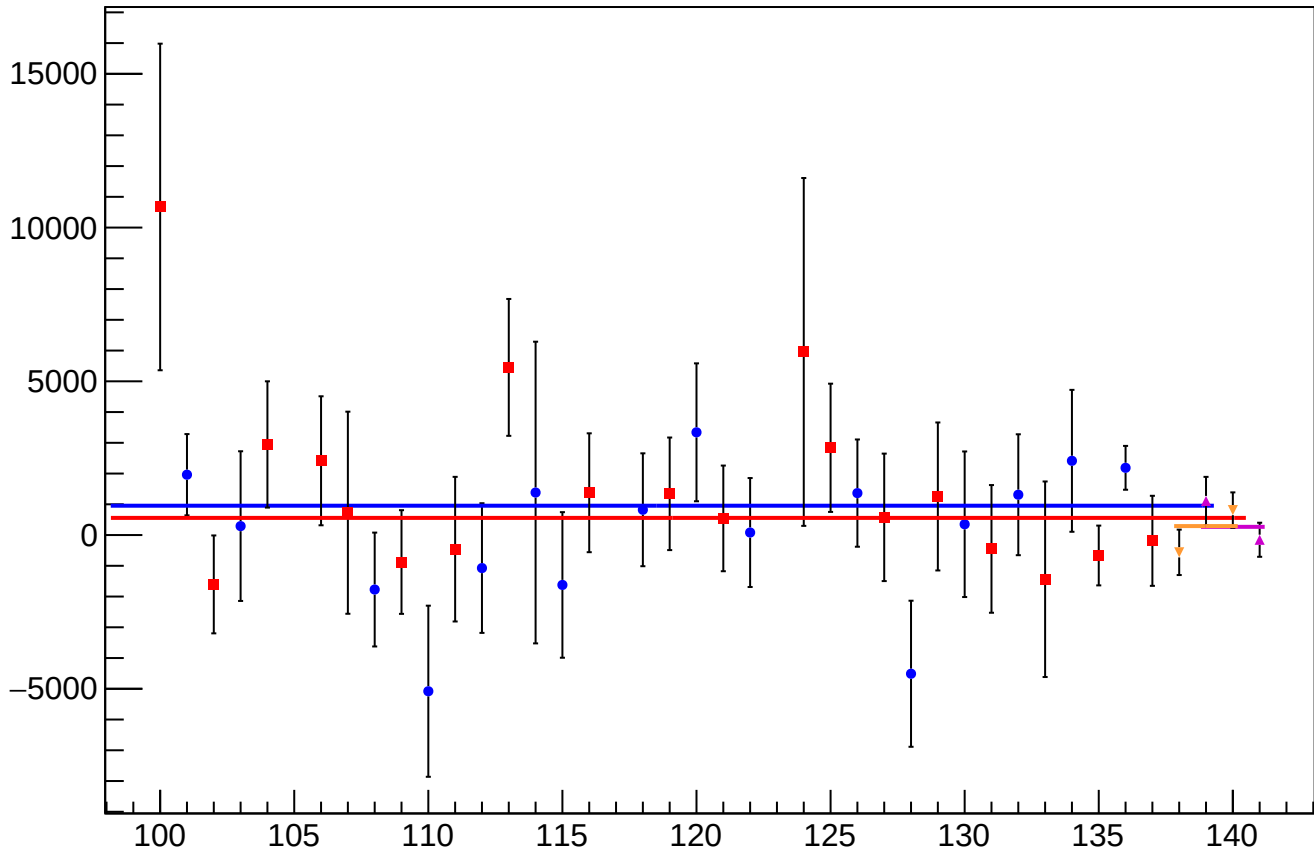
Left In: 1290.901 $\pm$ 0.694 χ^2 /NDF: 316.8/1

+ sign 1275.872 $\pm$ 0.308 χ^2 /NDF: 520104.9/17

All: 1280.908 $\pm$ 0.217 χ^2 /NDF: 849752.8/38

- sign 1285.866 $\pm$ 0.306 χ^2 /NDF: 329117.1/20

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 $\chi^2/\text{NDF}: 18.4/18$

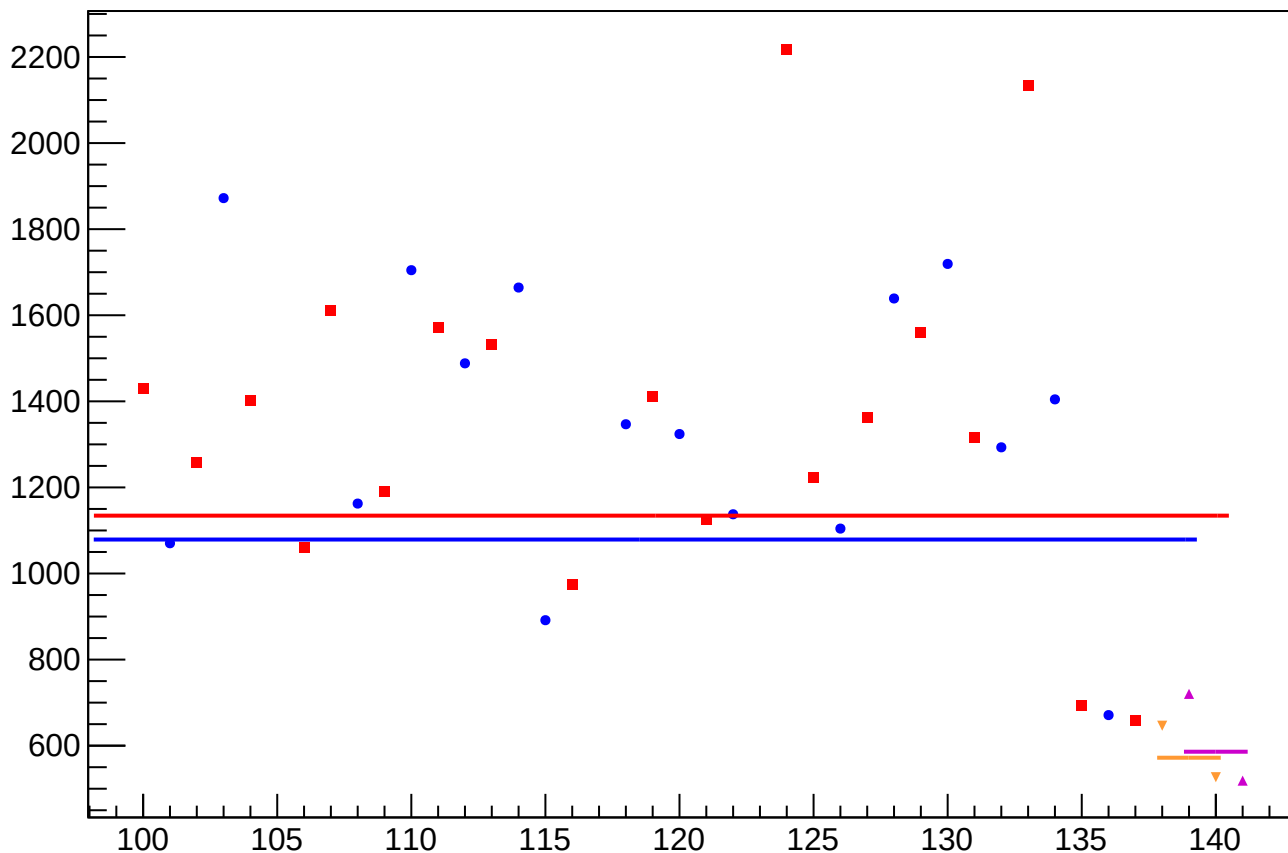
Left In: 266.941 ± 452.536 $\chi^2/\text{NDF}: 1.7/1$

+ sign 644.325 ± 310.641 $\chi^2/\text{NDF}: 23.1/17$

All: 532.158 ± 221.439 $\chi^2/\text{NDF}: 43.7/38$

- sign 416.274 ± 315.745 $\chi^2/\text{NDF}: 20.3/20$

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

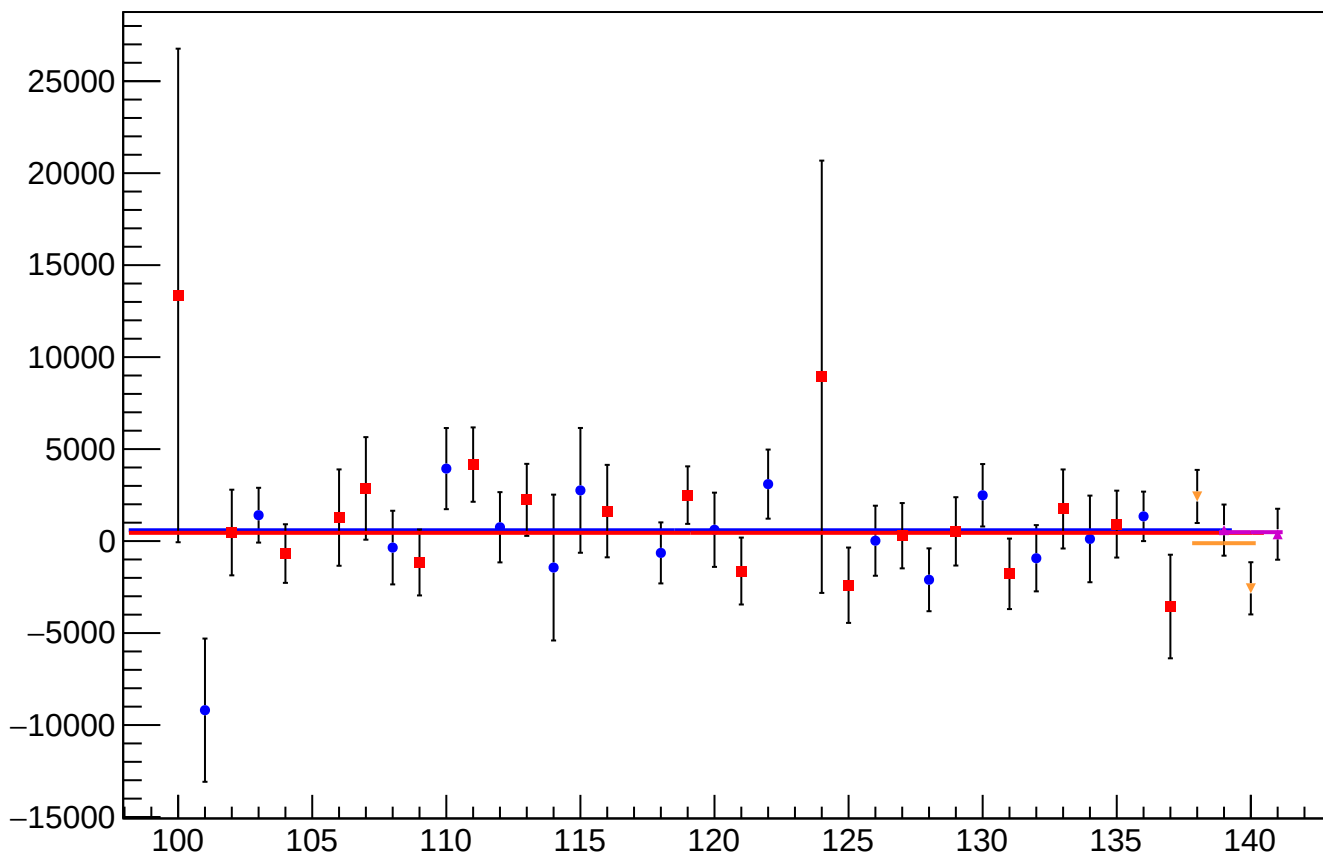
Left In: 585.960 $\pm$ 0.320 χ^2 /NDF: 88162.4/1

+ sign 841.999 $\pm$ 0.220 χ^2 /NDF: 2837084.5/17

All: 854.504 $\pm$ 0.157 χ^2 /NDF: 5728376.2/38

- sign 867.424 $\pm$ 0.223 χ^2 /NDF: 2884701.7/20

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

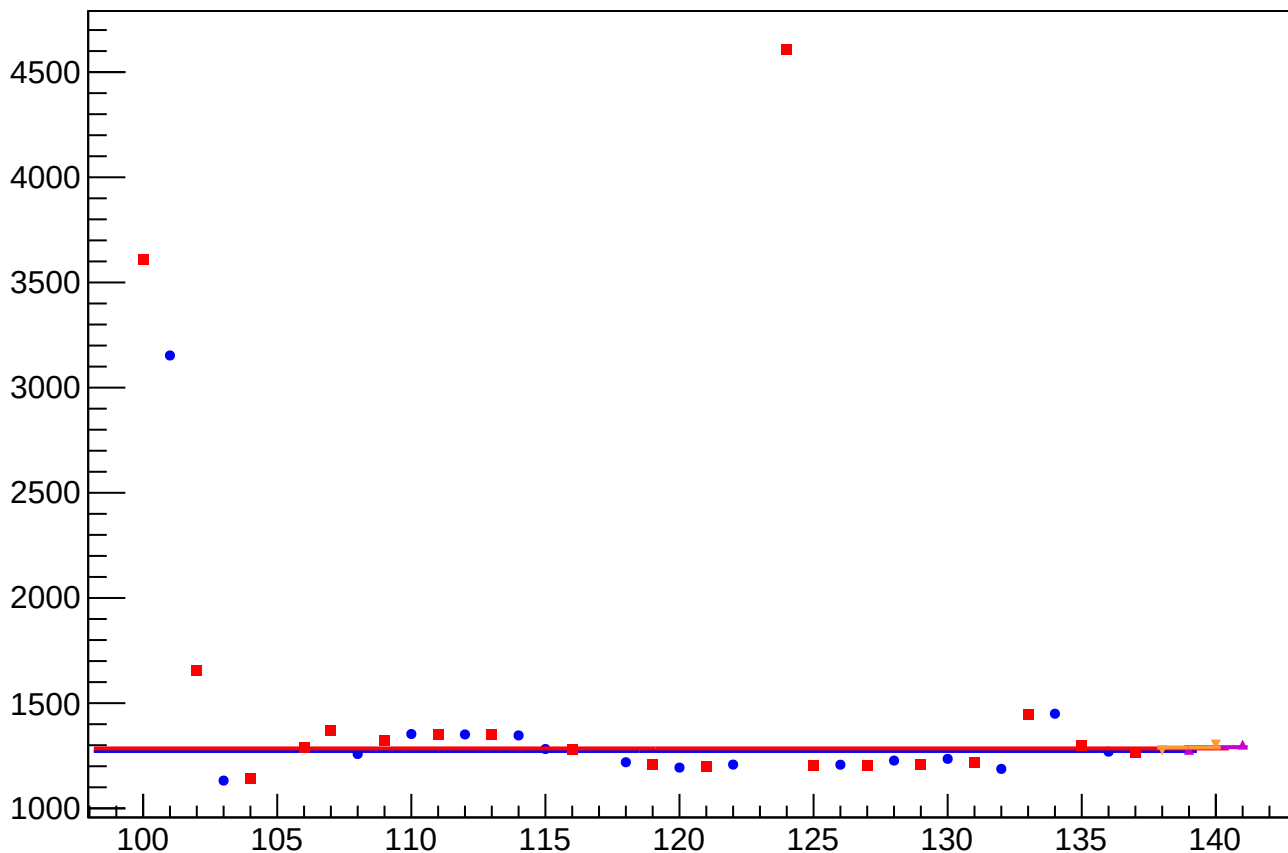
Left In: 483.795+/-981.051 χ^2/NDF : 0.0/1

+ sign 457.179+/-435.476 χ^2/NDF : 23.5/17

All: 456.221+/-306.736 χ^2/NDF : 40.4/38

- sign 455.277+/-432.125 χ^2/NDF : 16.8/20

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF : 368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

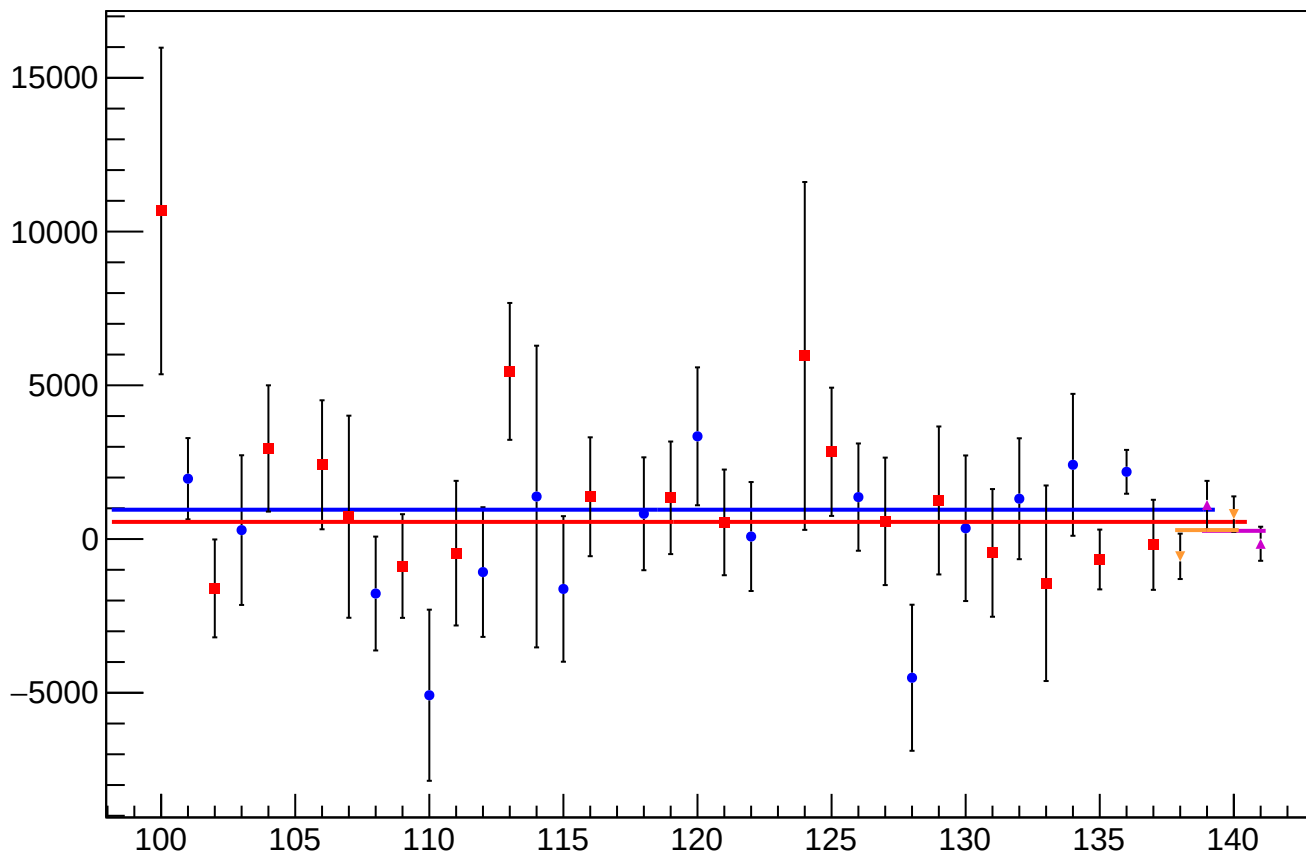
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1275.872+/-0.308 χ^2/NDF : 520104.9/17

All: 1280.908+/-0.217 χ^2/NDF : 849752.8/38

- sign 1285.866+/-0.306 χ^2/NDF : 329117.1/20

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

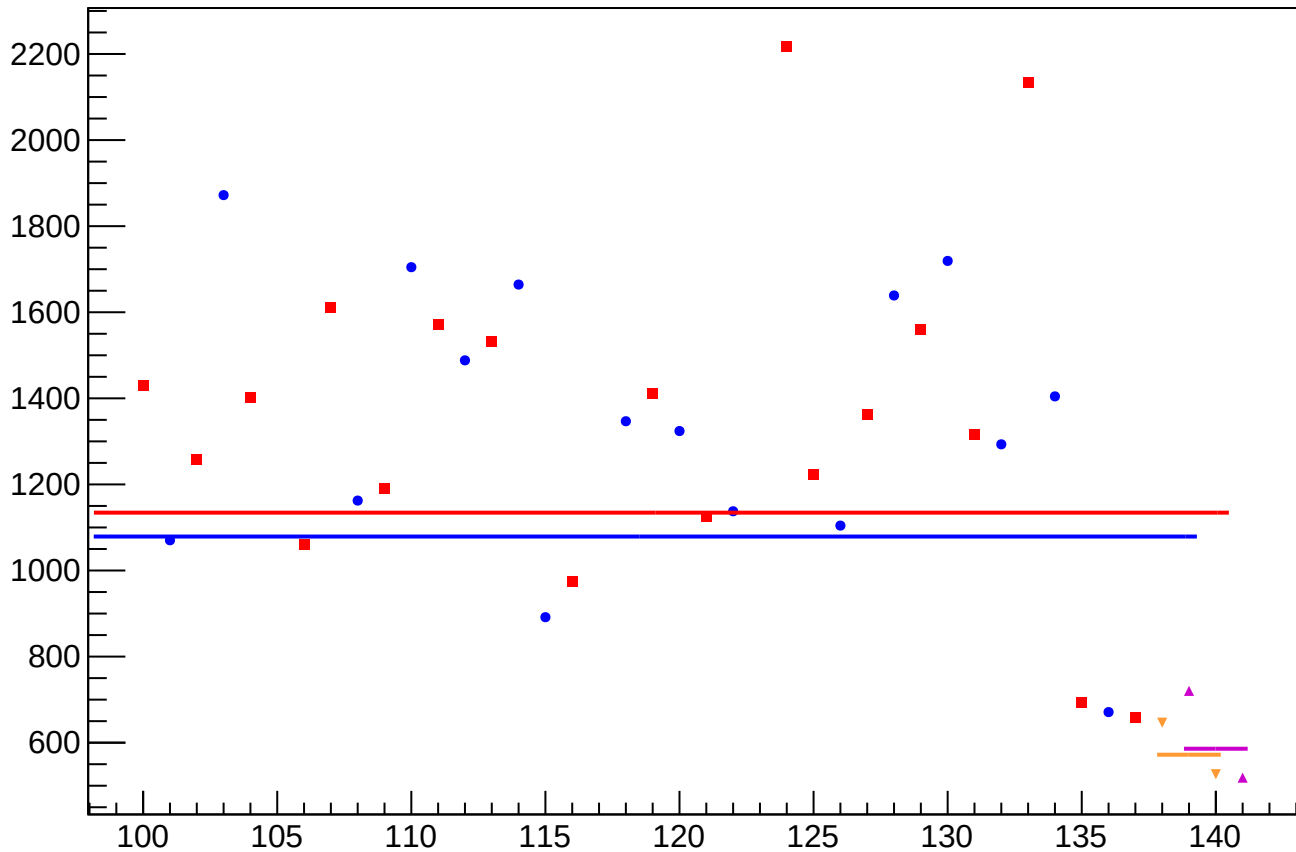
Left In: 266.941 $\pm$ 452.536 χ^2/NDF : 1.7/1

+ sign 644.325 $\pm$ 310.641 χ^2/NDF : 23.1/17

All: 532.158 $\pm$ 221.439 χ^2/NDF : 43.7/38

- sign 416.274 $\pm$ 315.745 χ^2/NDF : 20.3/20

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

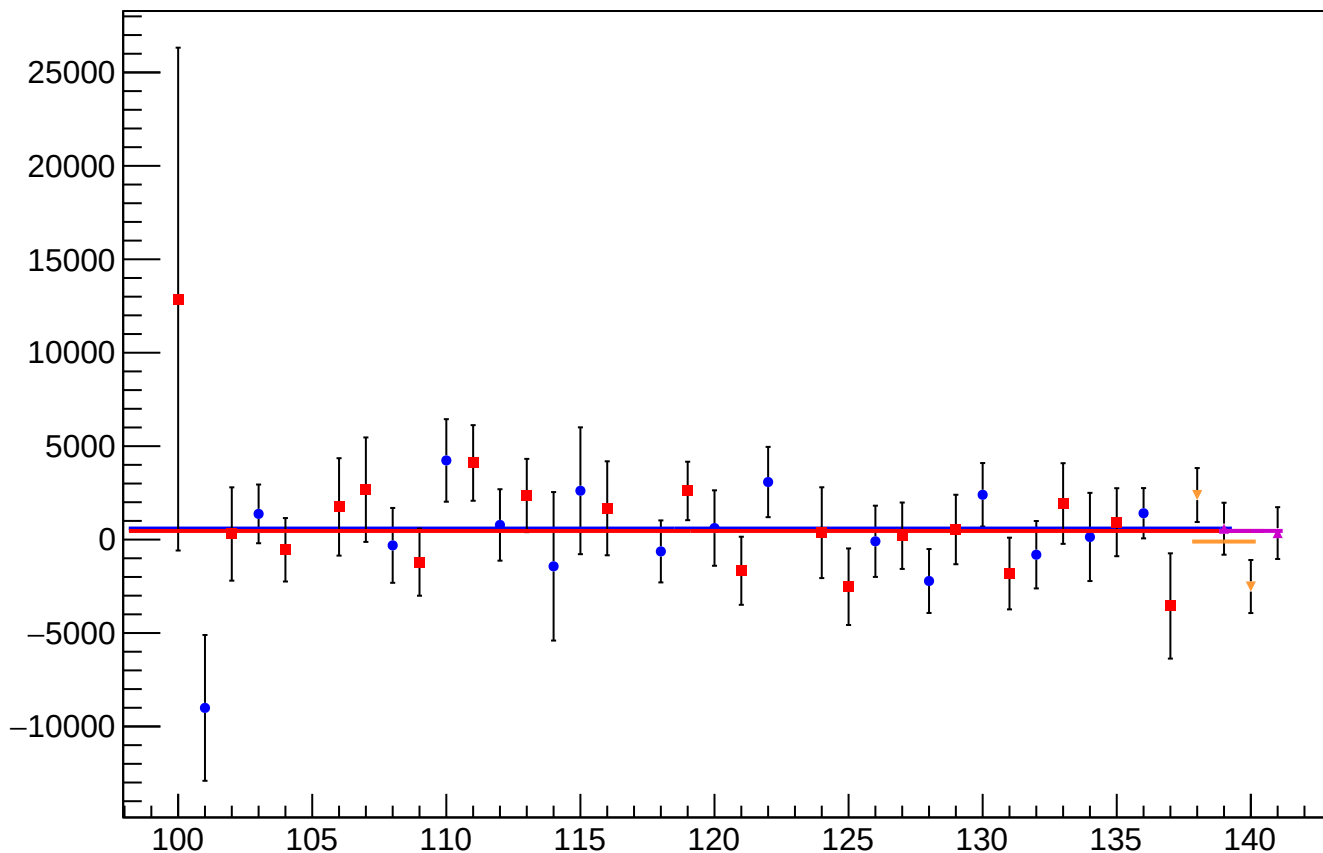
Left In: 585.960 $\pm$ 0.320 χ^2 /NDF: 88162.4/1

+ sign 841.999 $\pm$ 0.220 χ^2 /NDF: 2837084.5/17

All: 854.504 $\pm$ 0.157 χ^2 /NDF: 5728376.2/38

- sign 867.424 $\pm$ 0.223 χ^2 /NDF: 2884701.7/20

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF : 17.1/15

Left Out: -105.070+/-1012.604 χ^2/NDF : 5.8/1

Right Out: 462.606+/-476.795 χ^2/NDF : 16.7/18

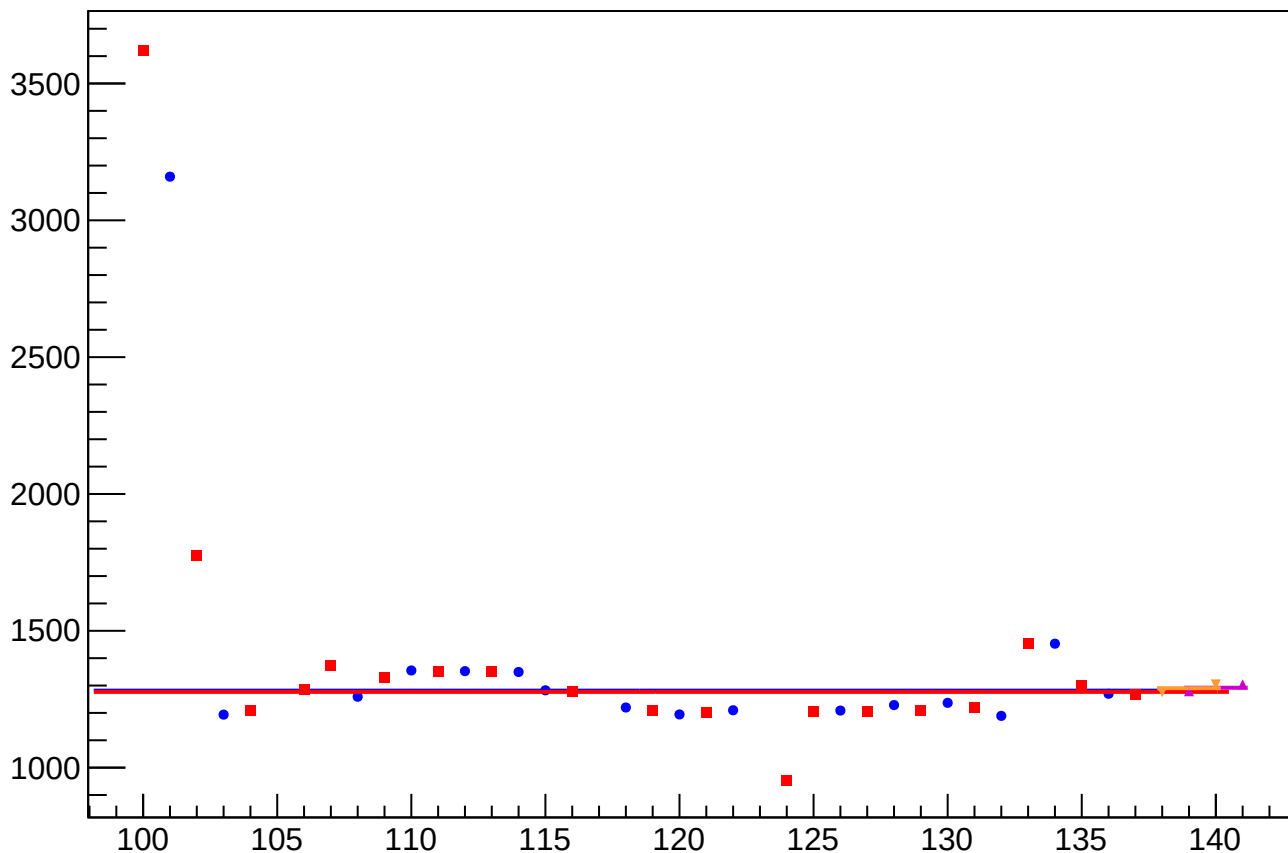
Left In: 465.013+/-981.815 χ^2/NDF : 0.0/1

+ sign 460.352+/-437.769 χ^2/NDF : 23.3/17

All: 461.736+/-306.364 χ^2/NDF : 40.0/38

- sign 463.065+/-428.896 χ^2/NDF : 16.7/20

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF : 387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

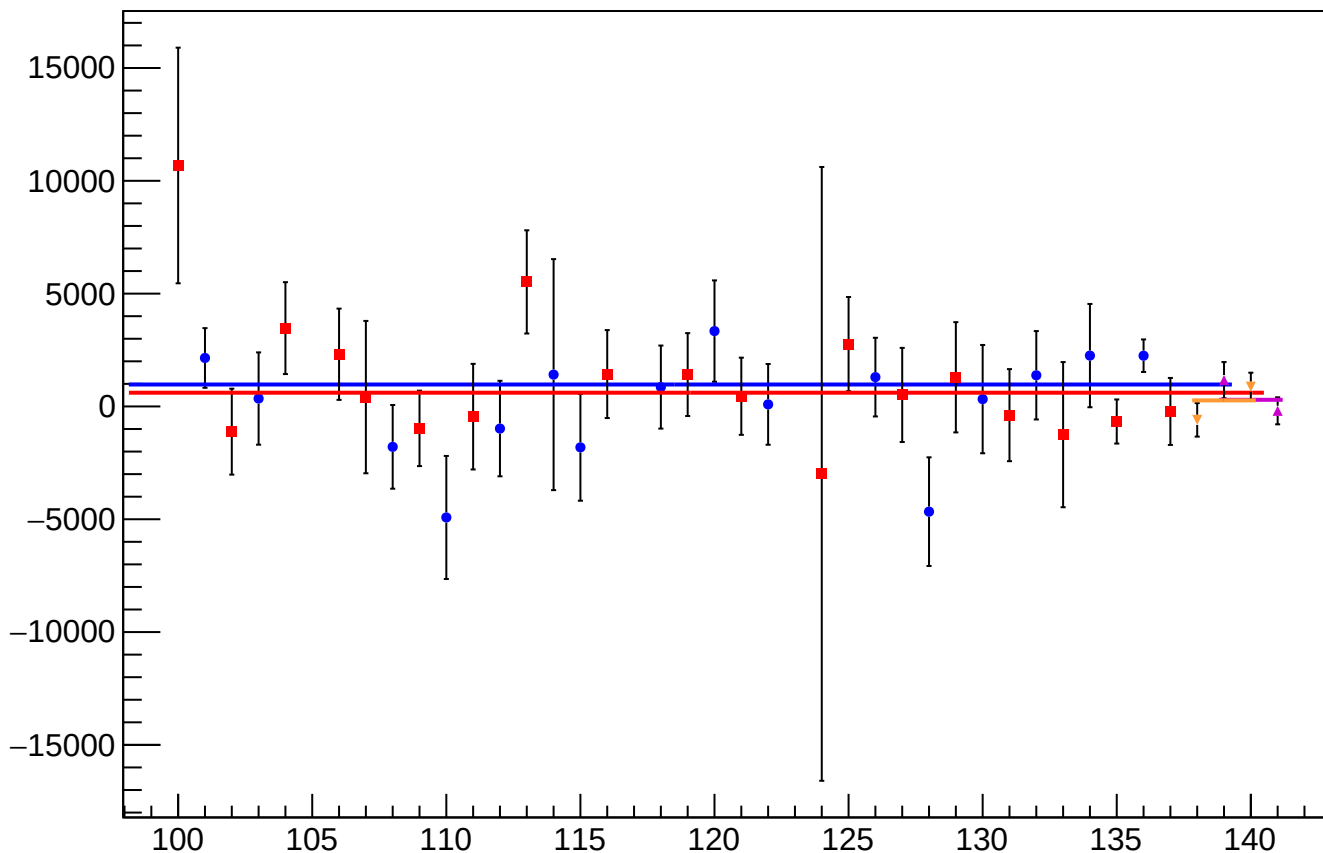
Left In: 1291.897+/-0.694 χ^2/NDF : 329.8/1

+ sign 1283.026+/-0.310 χ^2/NDF : 507590.2/17

All: 1281.344+/-0.217 χ^2/NDF : 728871.1/38

- sign 1279.730+/-0.303 χ^2/NDF : 221223.0/20

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

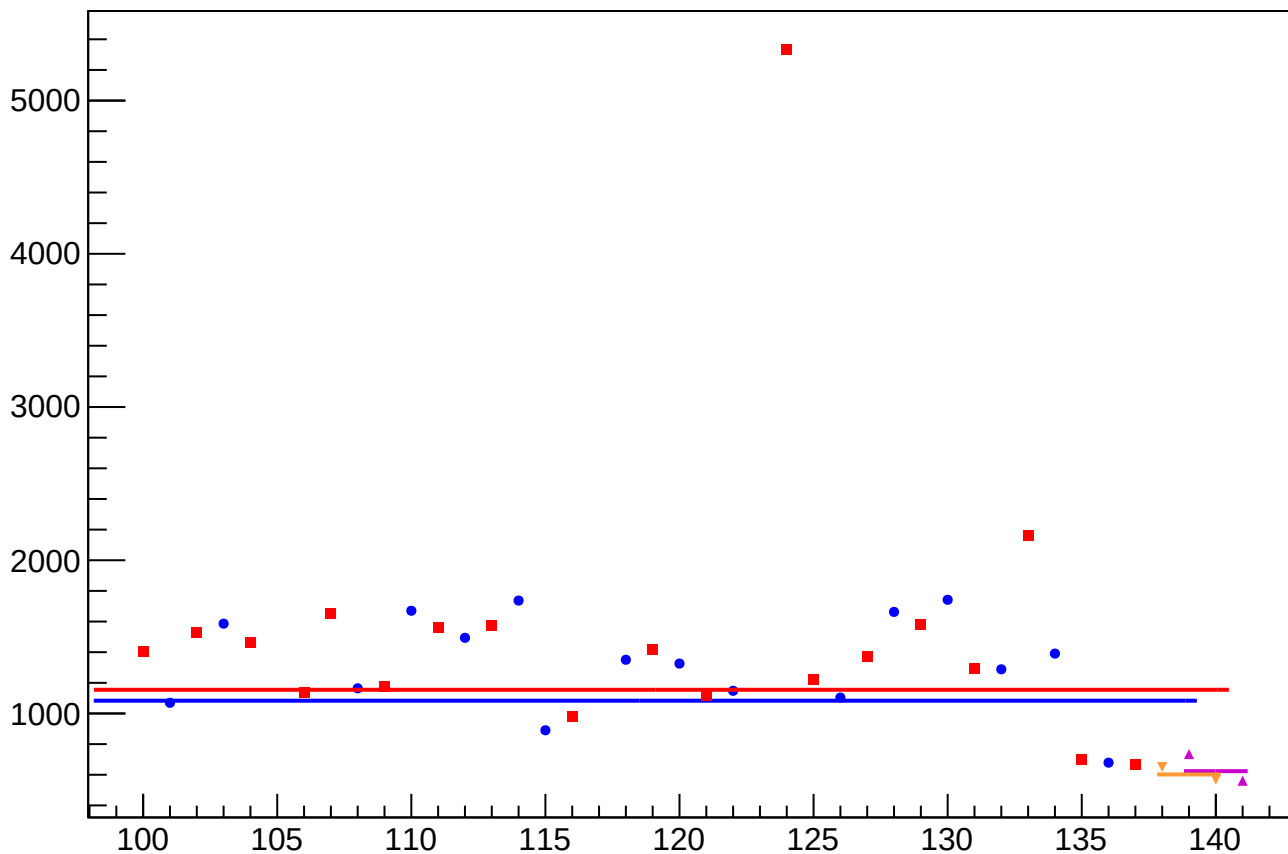
Left In: 294.204 ± 479.501 χ^2/NDF : 1.9/1

+ sign 660.517 ± 317.299 χ^2/NDF : 24.0/17

All: 564.357 ± 227.801 χ^2/NDF : 43.4/38

- sign 462.070 ± 327.250 χ^2/NDF : 19.2/20

asym_at1_dd_at2_dd_avg_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

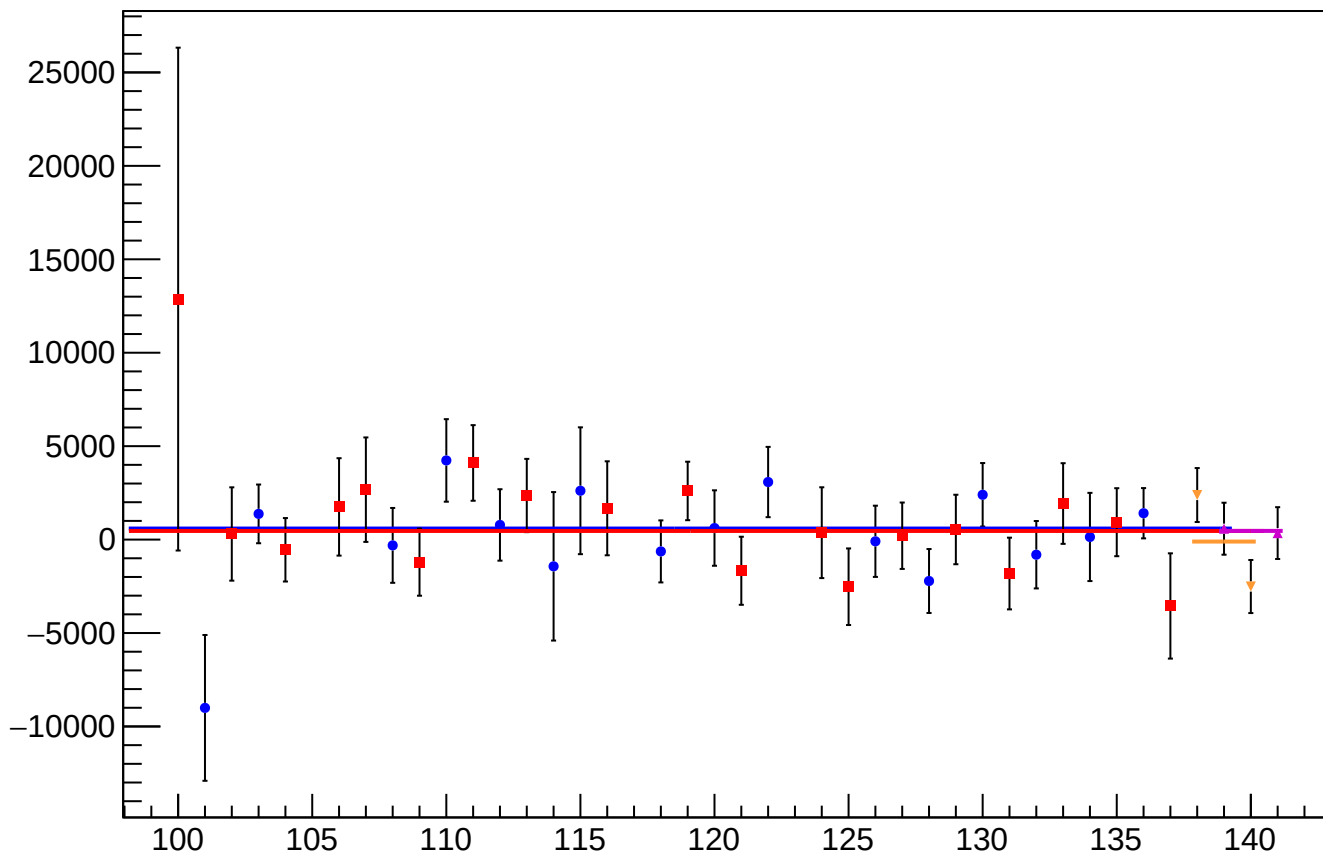
Left In: 623.559+/-0.339 χ^2/NDF : 60772.0/1

+ sign 870.044+/-0.224 χ^2/NDF : 2510000.7/17

All: 888.106+/-0.161 χ^2/NDF : 5383535.3/38

- sign 907.318+/-0.231 χ^2/NDF : 2860161.1/20

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

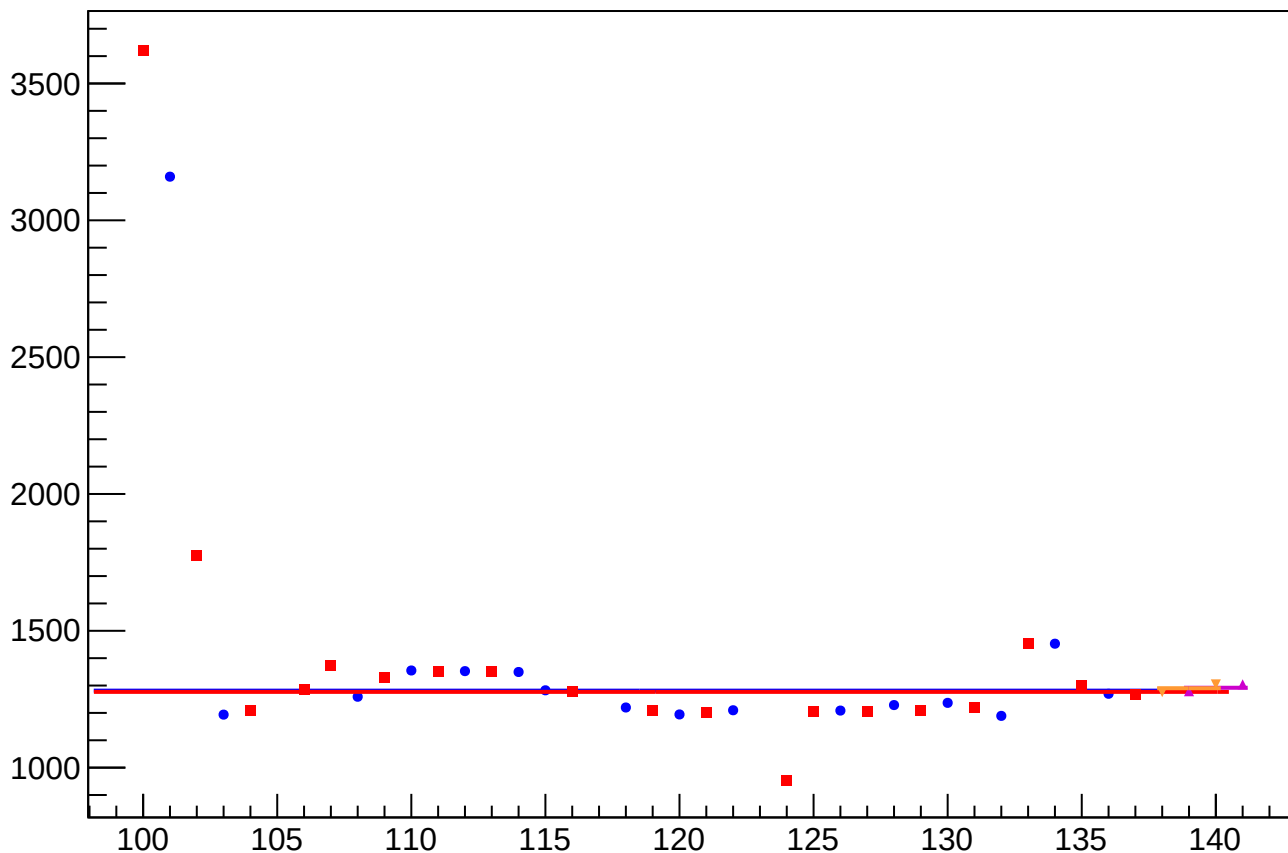
Left In: 465.021+/-981.815 χ^2/NDF : 0.0/1

+ sign 460.352+/-437.769 χ^2/NDF : 23.3/17

All: 461.737+/-306.364 χ^2/NDF : 40.0/38

- sign 463.066+/-428.896 χ^2/NDF : 16.7/20

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.6/15

Left Out: 1290.238+/-0.716 χ^2/NDF : 387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.5/18

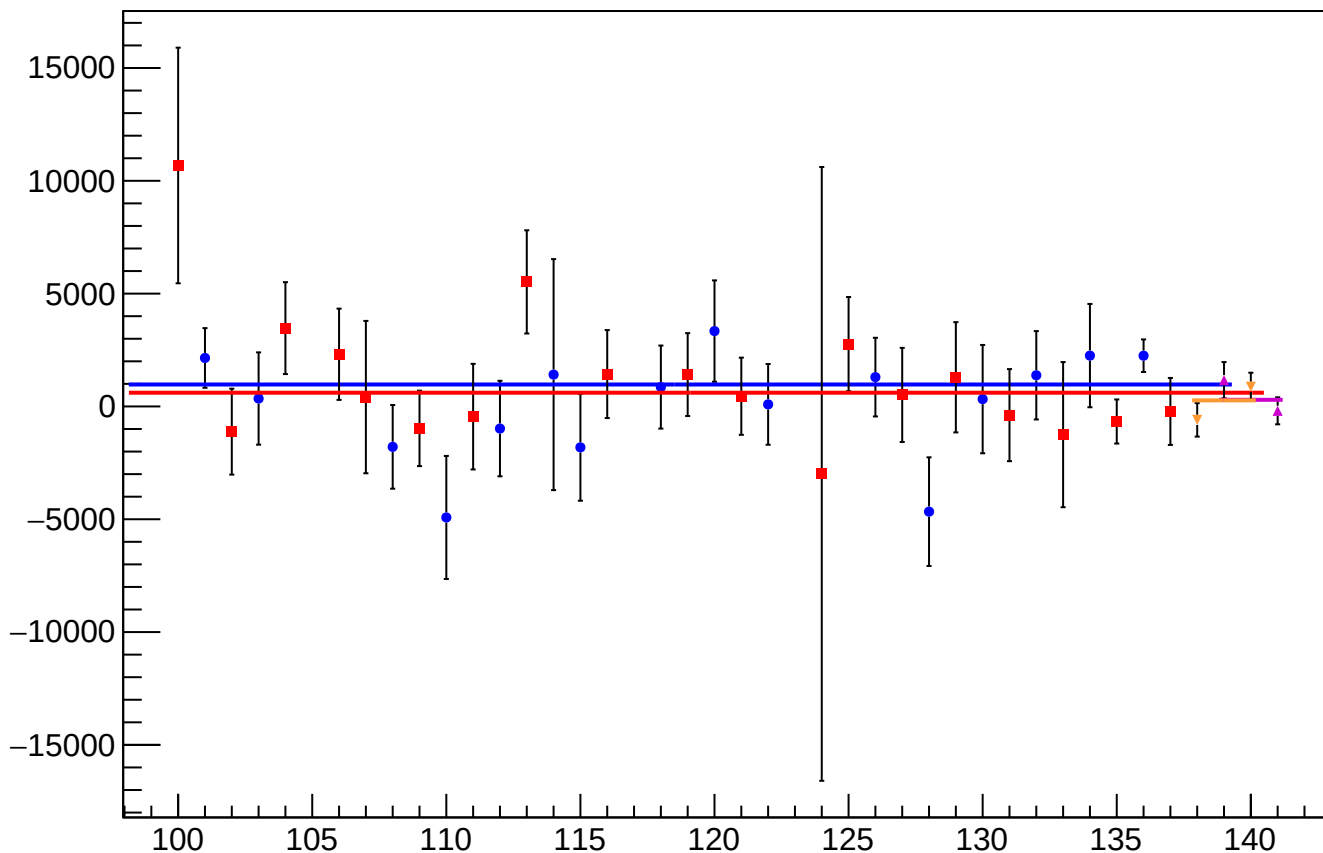
Left In: 1291.898+/-0.694 χ^2/NDF : 329.8/1

+ sign 1283.026+/-0.310 χ^2/NDF : 507590.3/17

All: 1281.344+/-0.217 χ^2/NDF : 728871.1/38

- sign 1279.730+/-0.303 χ^2/NDF : 221222.9/20

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 972.281 $\pm$ 425.220 χ^2 /NDF: 20.4/15

Left Out: 268.810 $\pm$ 476.631 χ^2 /NDF:2.3/1

Right Out: 608.441 $\pm$ 447.736 χ^2 /NDF: 17.1/18

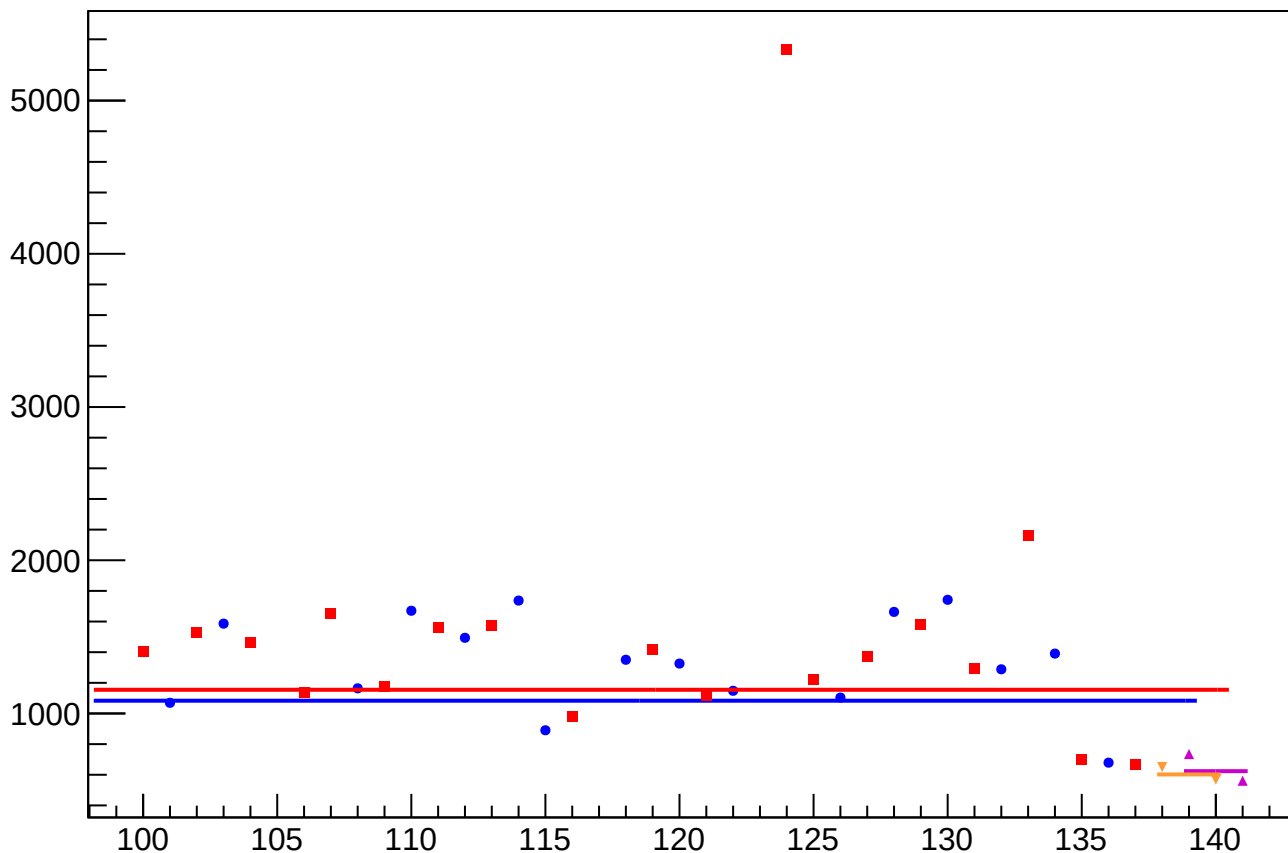
Left In: 294.202 $\pm$ 479.505 χ^2 /NDF:1.9/1

+ sign 660.518 $\pm$ 317.301 χ^2 /NDF: 24.0/17

All: 564.359 $\pm$ 227.803 χ^2 /NDF: 43.4/38

- sign 462.075 $\pm$ 327.252 χ^2 /NDF: 19.2/20

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

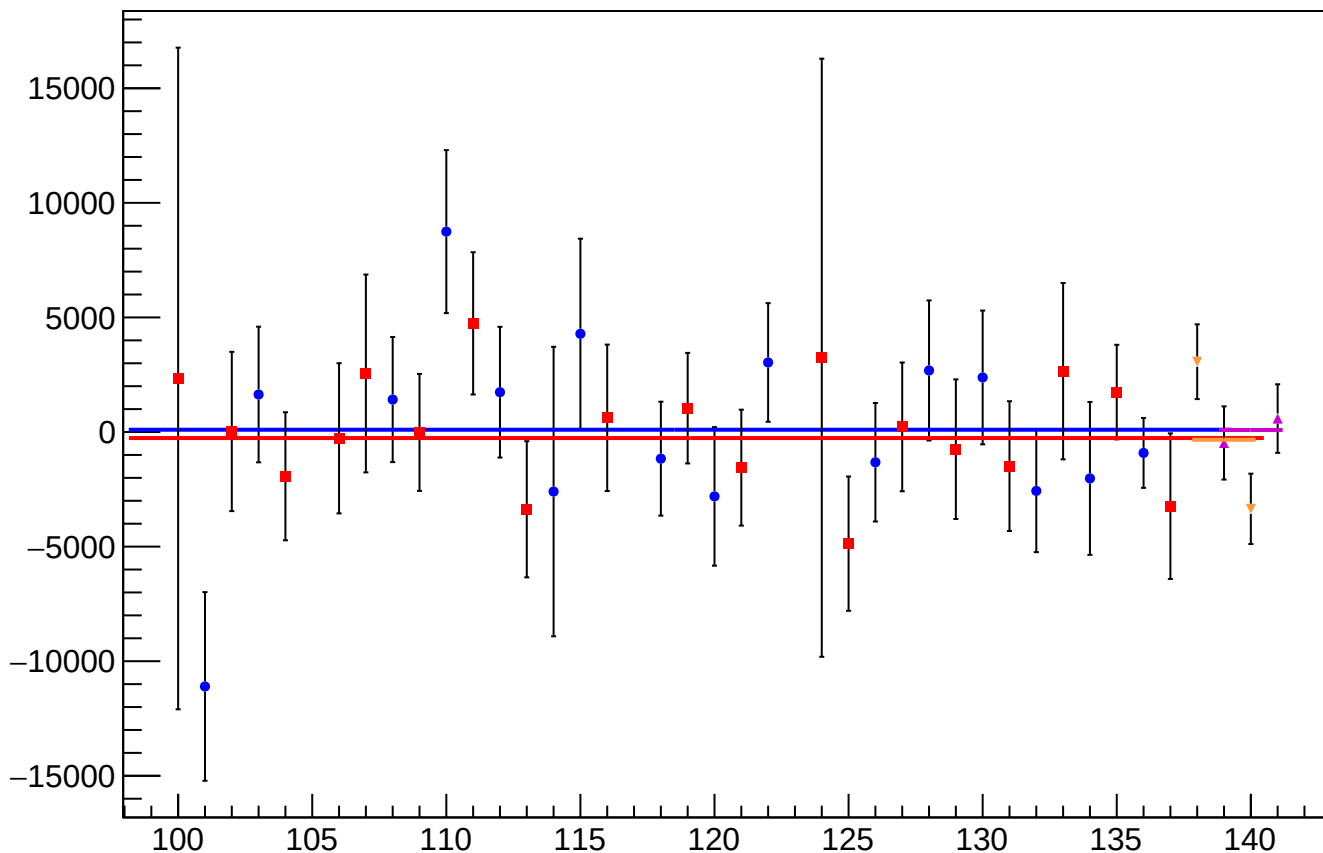
Left In: 623.564+/-0.339 χ^2/NDF : 60777.2/1

+ sign 870.052+/-0.224 χ^2/NDF : 2509930.0/17

All: 888.113+/-0.161 χ^2/NDF : 5383410.1/38

- sign 907.325+/-0.231 χ^2/NDF : 2860107.2/20

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

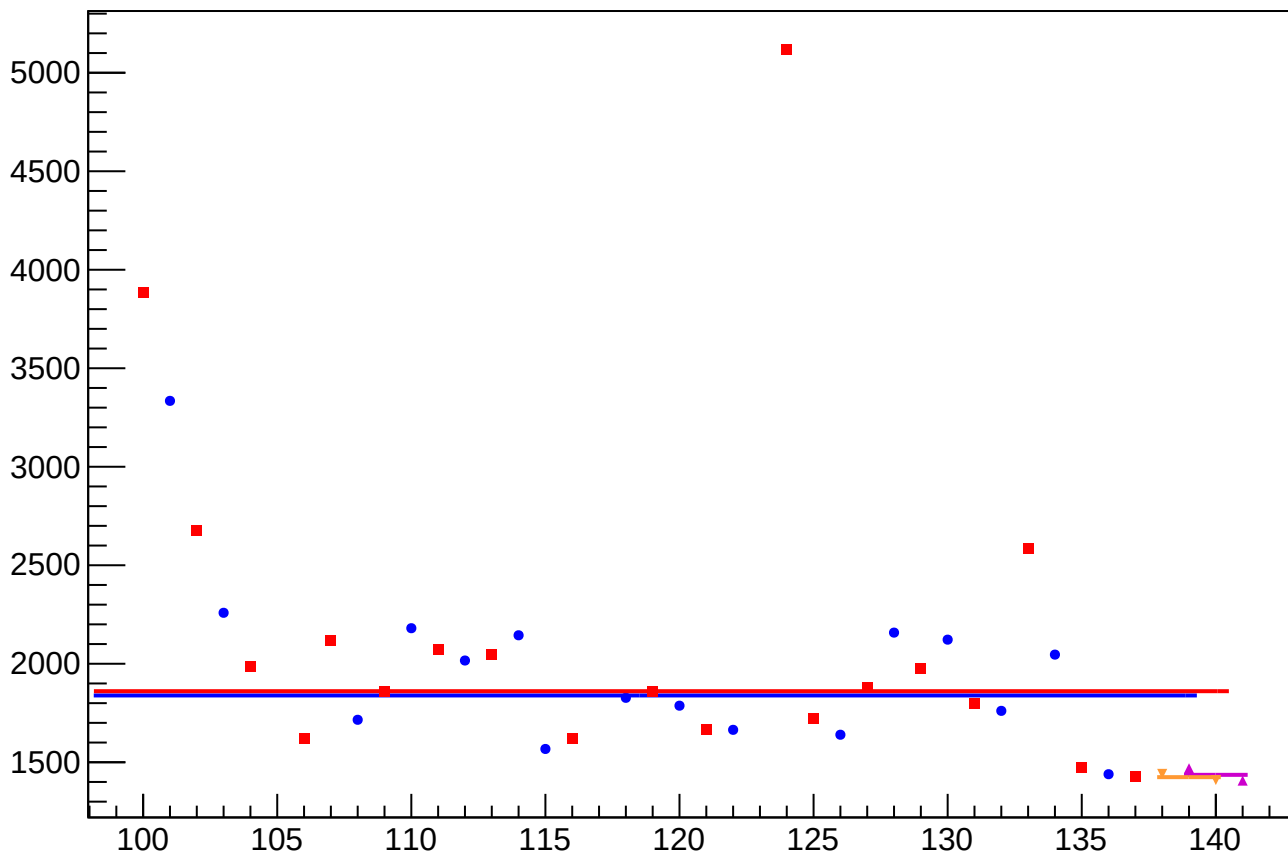
Left In: 90.169 $\pm$ 1091.699 χ^2 /NDF: 0.2/1

+ sign -22.401 $\pm$ 592.691 χ^2 /NDF: 29.6/17

All: -91.603 $\pm$ 417.822 χ^2 /NDF: 40.3/38

- sign -159.970 $\pm$ 589.104 χ^2 /NDF: 10.6/20

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF :385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

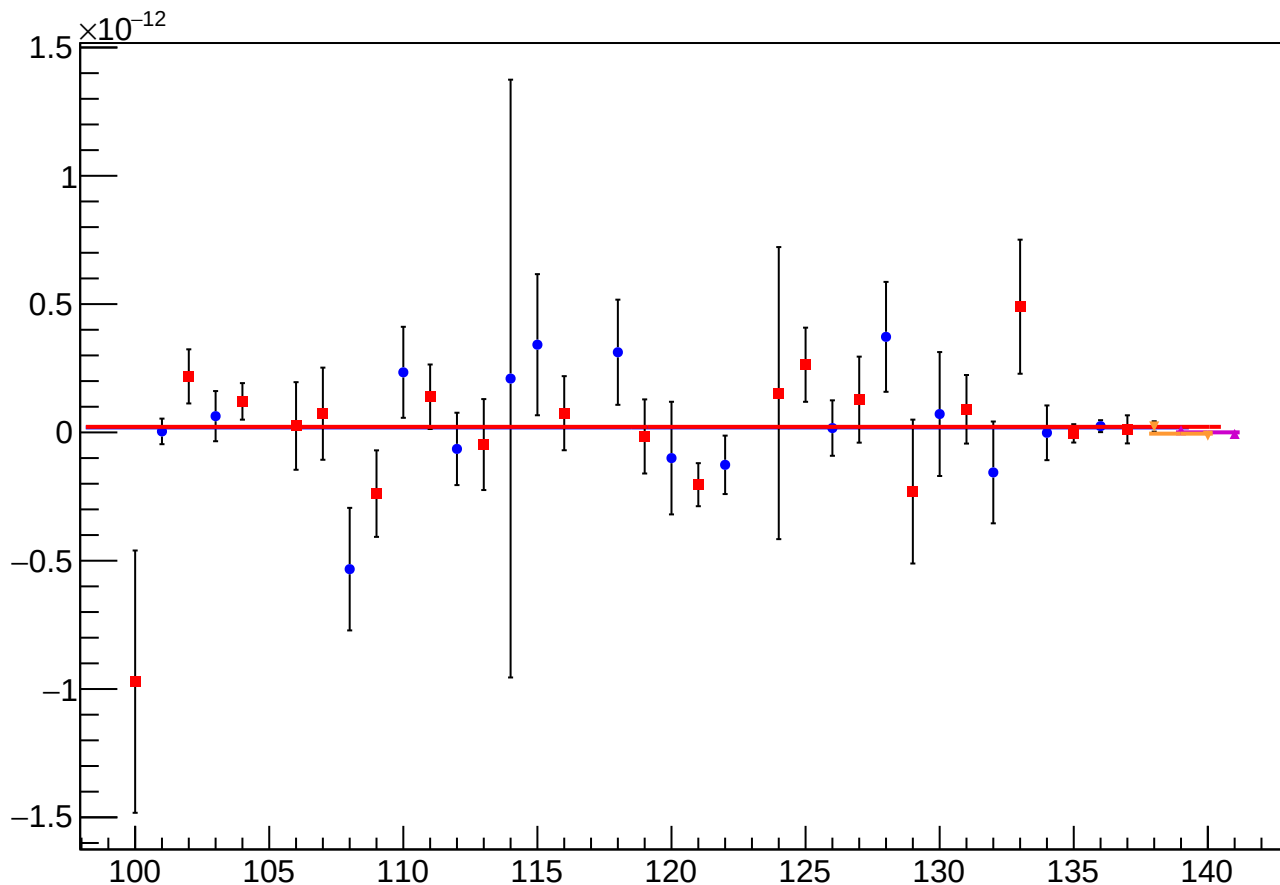
Left In: 1436.114+/-0.772 χ^2/NDF :1630.3/1

+ sign 1722.567+/-0.419 χ^2/NDF : 754979.0/17

All: 1729.880+/-0.295 χ^2/NDF : 1493813.9/38

- sign 1737.105+/-0.417 χ^2/NDF : 738229.7/20

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

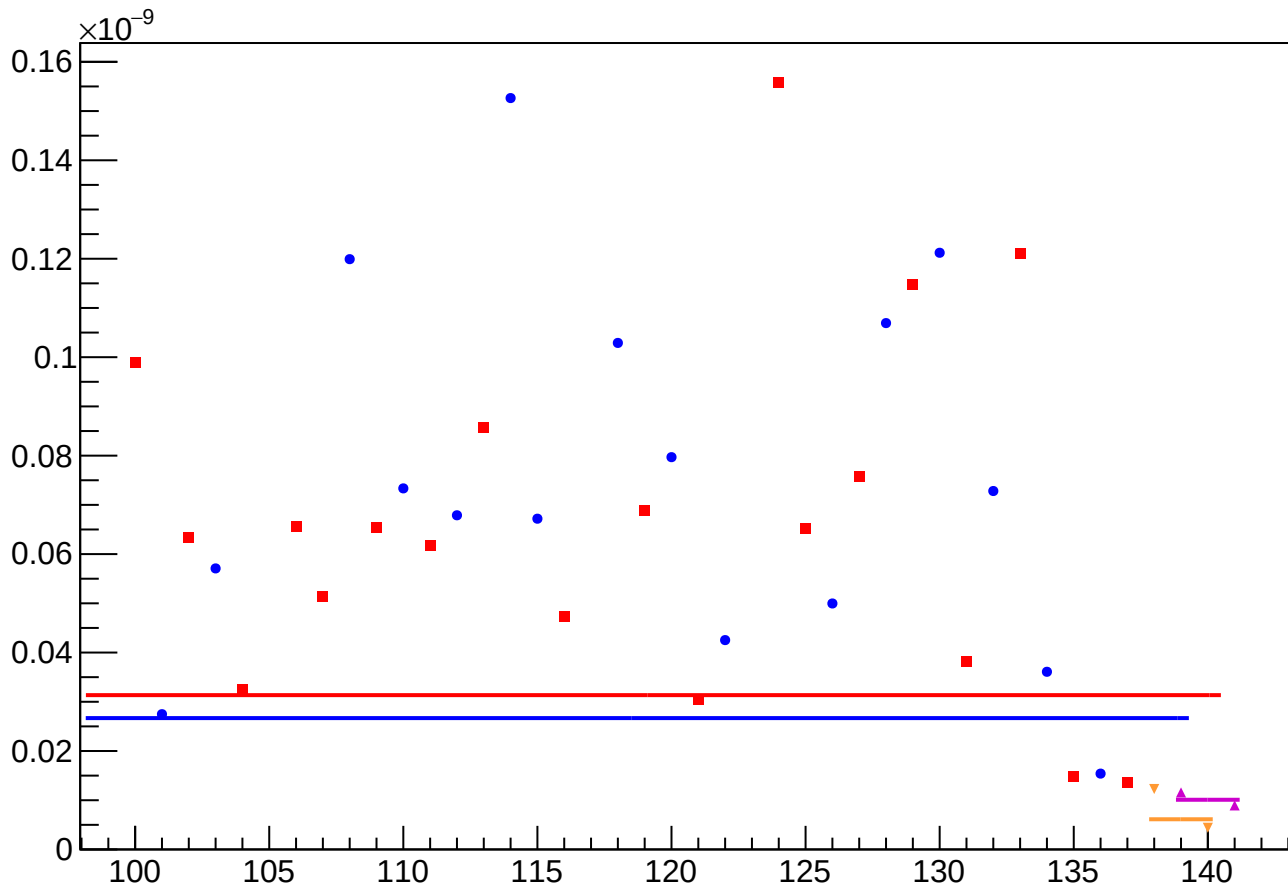
Left In: 0.000+/-0.000 χ^2/NDF : 0.3/1

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

All: 0.000+/-0.000 χ^2/NDF : 49.6/38

- sign 0.000+/-0.000 χ^2/NDF : 29.2/20

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

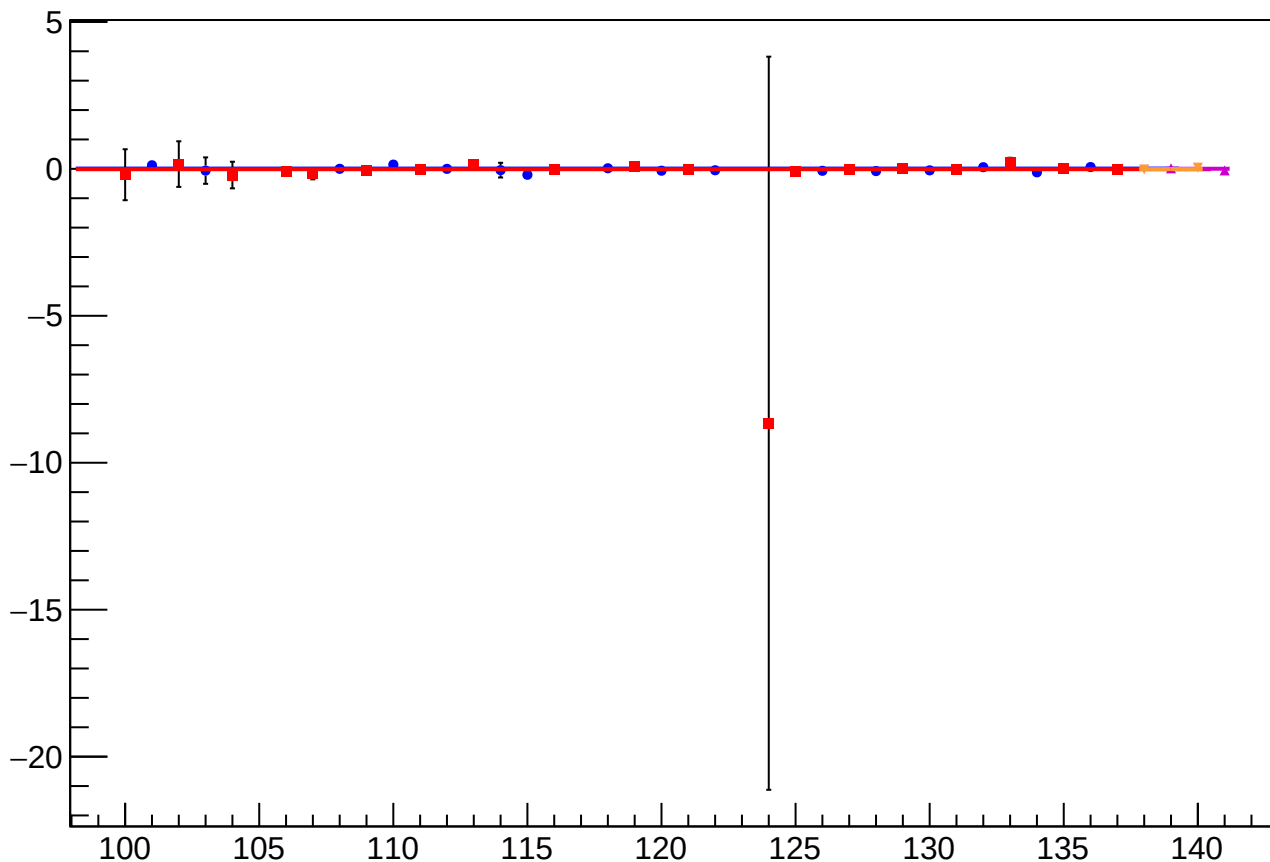
Left In: 0.000+/-0.000 χ^2/NDF : 22407.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4726652.2/17

All: 0.000+/-0.000 χ^2/NDF : 8661876.1/38

- sign 0.000+/-0.000 χ^2/NDF : 3688551.0/20

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 $\chi^2/\text{NDF}: 19.3/15$

Left Out: -0.009 ± 0.025 $\chi^2/\text{NDF}: 1.0/1$

Right Out: -0.012 ± 0.017 $\chi^2/\text{NDF}: 12.6/18$

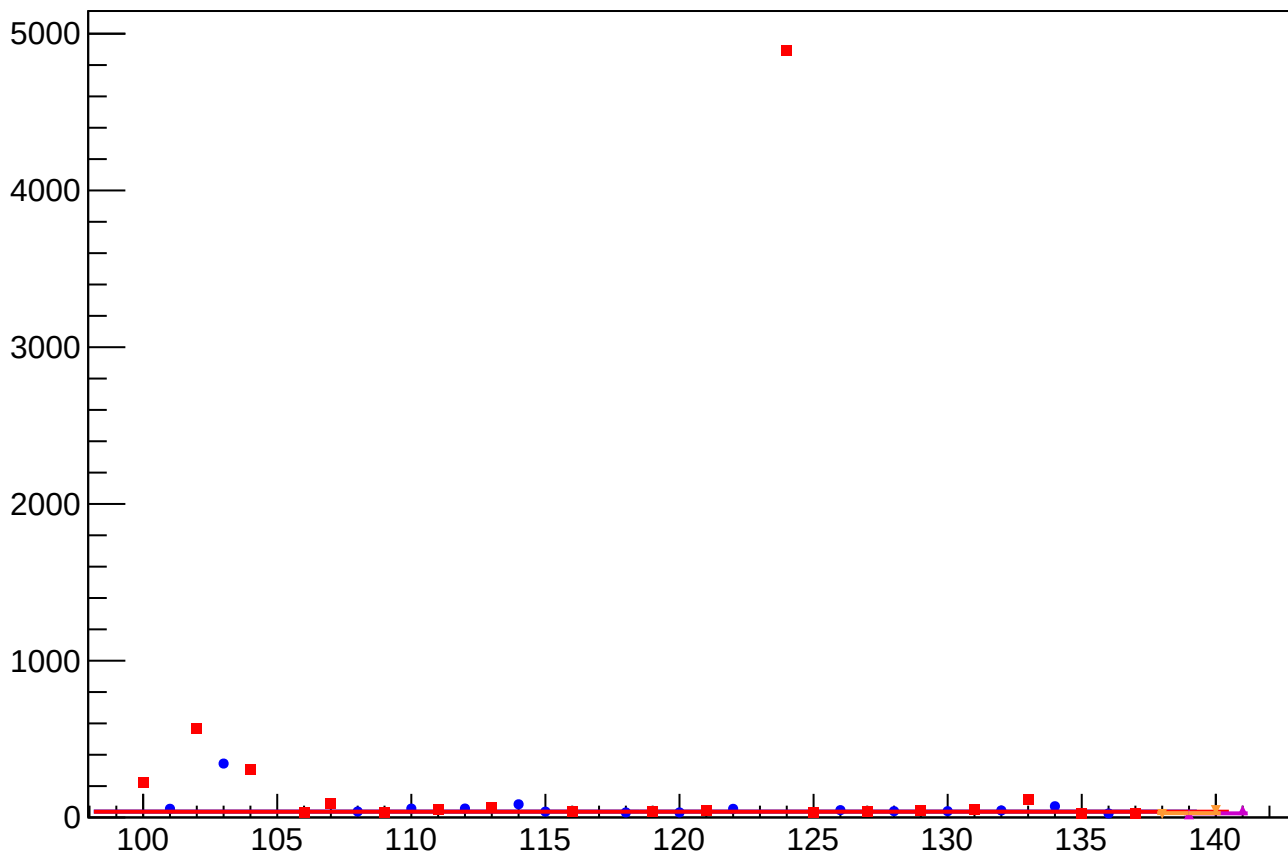
Left In: 0.003 ± 0.024 $\chi^2/\text{NDF}: 1.4/1$

+ sign 0.003 ± 0.014 $\chi^2/\text{NDF}: 20.6/17$

All: -0.002 ± 0.010 $\chi^2/\text{NDF}: 35.3/38$

- sign -0.007 ± 0.014 $\chi^2/\text{NDF}: 14.3/20$

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

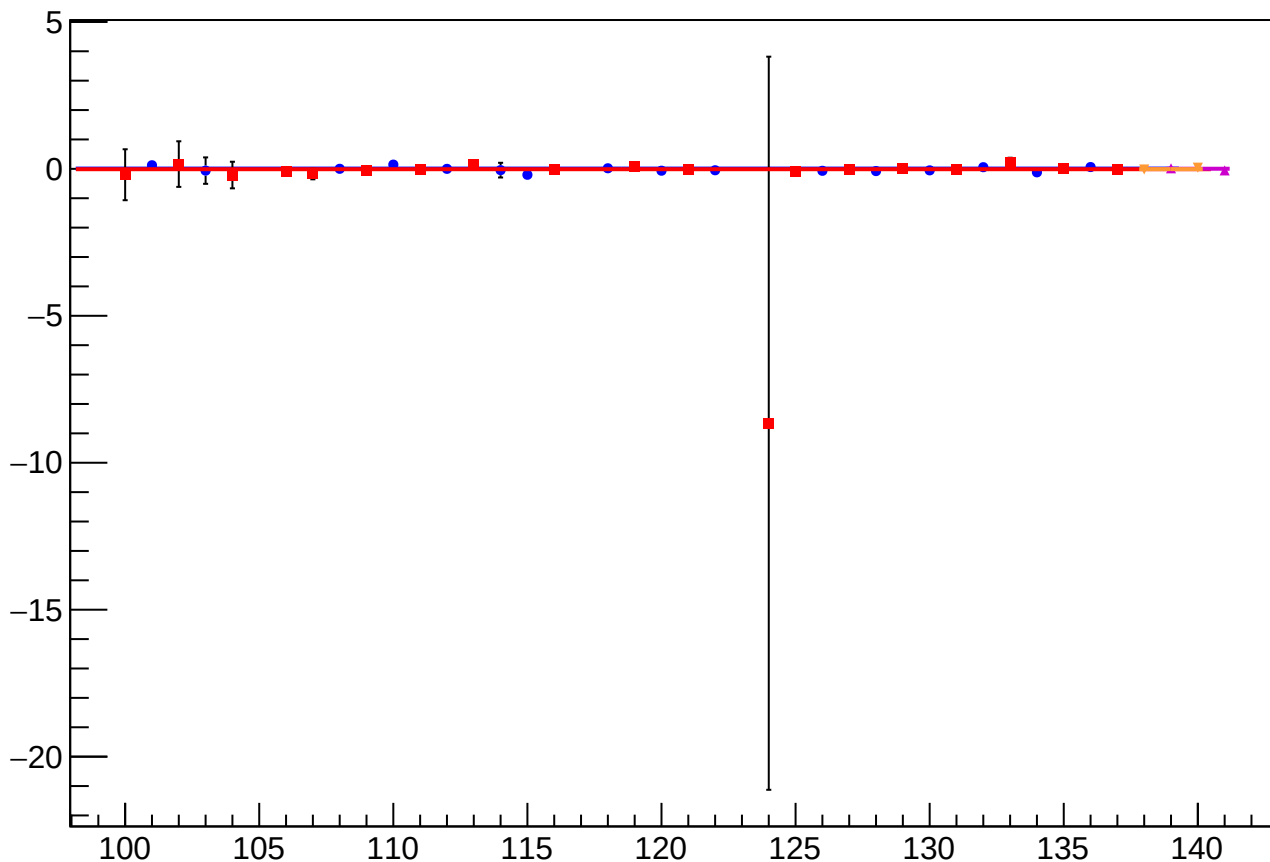
Left In: 26.130 $\pm$ 0.017 χ^2 /NDF: 417356.7/1

+ sign 34.622 $\pm$ 0.010 χ^2 /NDF: 2542079.3/17

All: 33.997 $\pm$ 0.007 χ^2 /NDF: 6421260.9/38

- sign 33.359 $\pm$ 0.010 χ^2 /NDF: 3870597.1/20

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

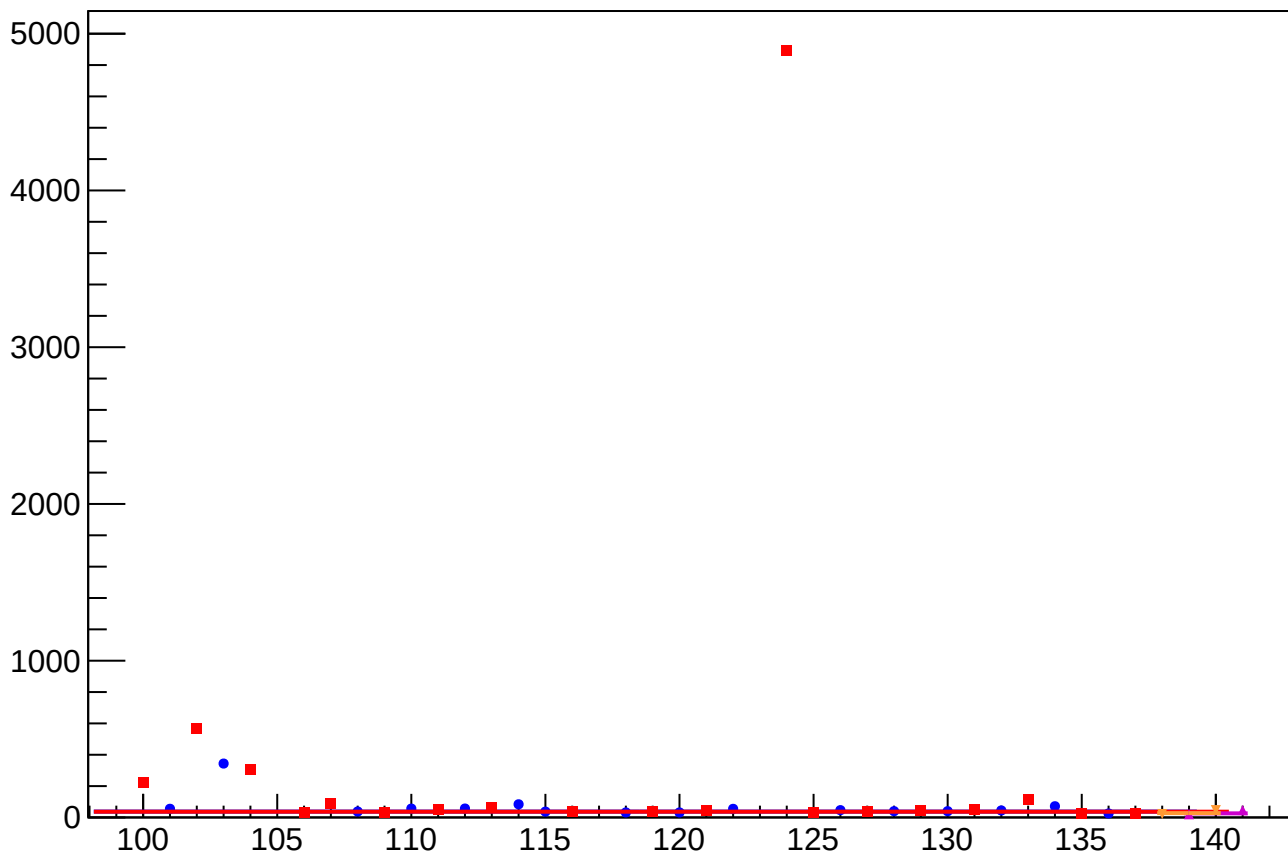
Left In: 0.003 $\pm$ 0.024 χ^2 /NDF: 1.4/1

+ sign 0.003 $\pm$ 0.014 χ^2 /NDF: 20.6/17

All: -0.002 $\pm$ 0.010 χ^2 /NDF: 35.3/38

- sign -0.007 $\pm$ 0.014 χ^2 /NDF: 14.3/20

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF : 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF : 337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

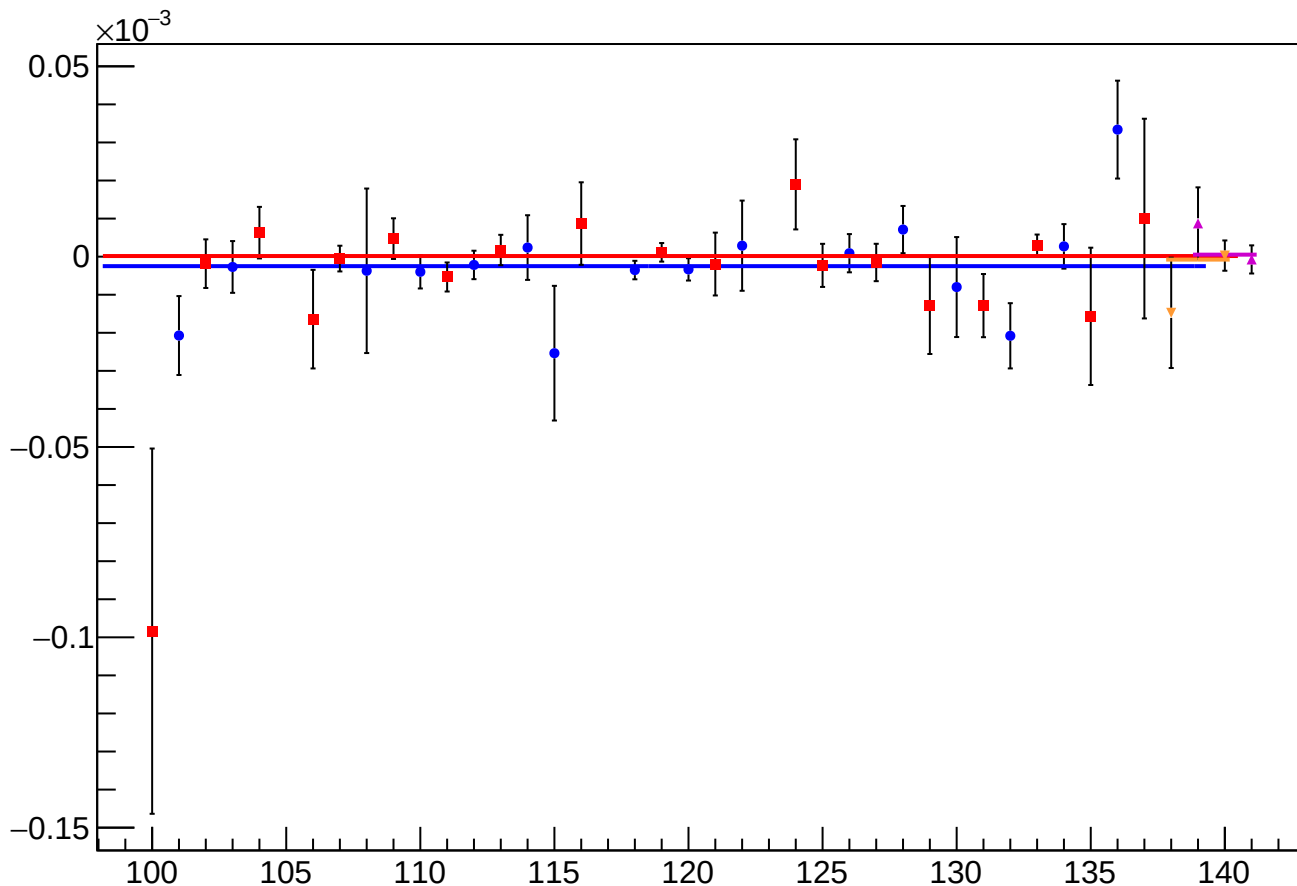
Left In: 26.130+/-0.017 χ^2/NDF : 417356.7/1

+ sign 34.622+/-0.010 χ^2/NDF : 2542079.3/17

All: 33.997+/-0.007 χ^2/NDF : 6421260.9/38

- sign 33.359+/-0.010 χ^2/NDF : 3870597.1/20

asym_at1_dd_at2_dd_avg_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

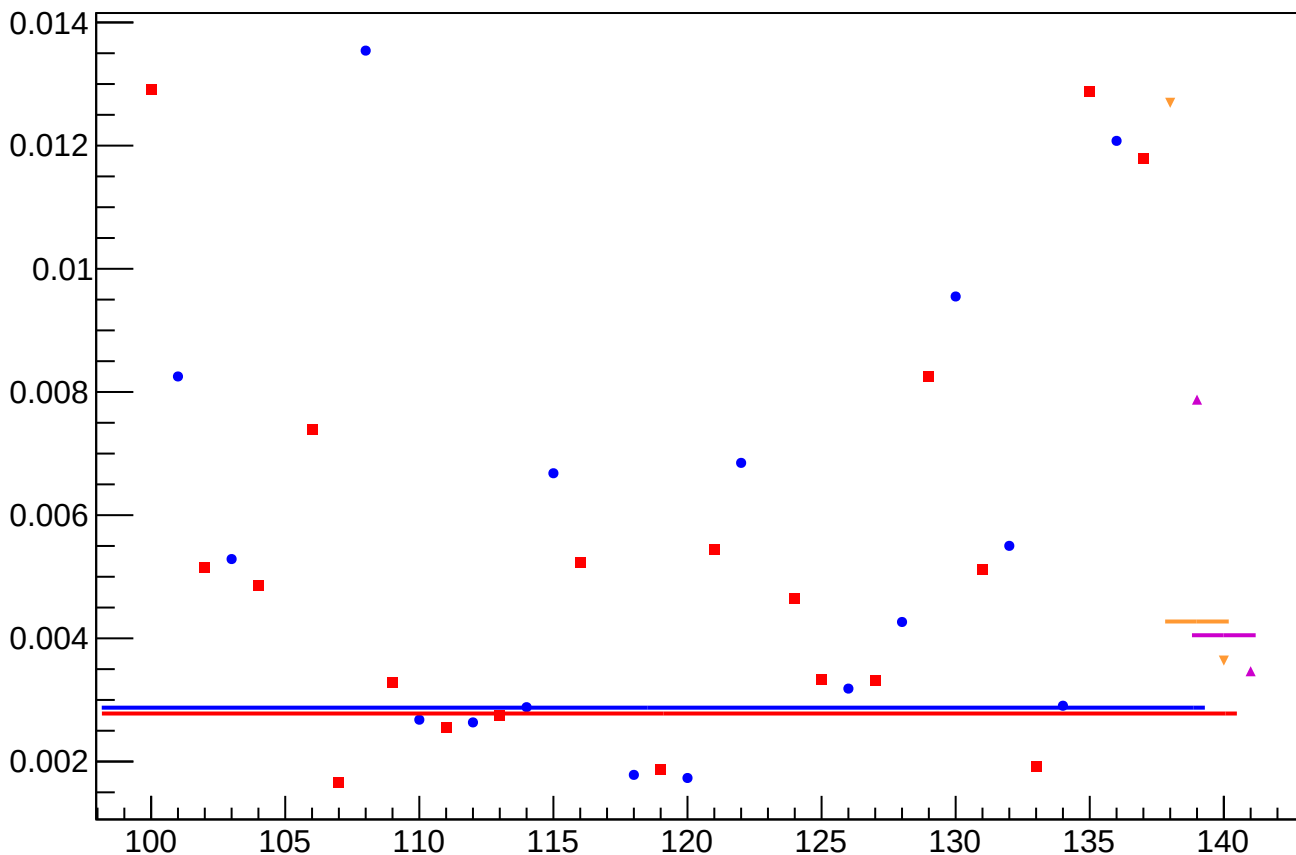
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

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

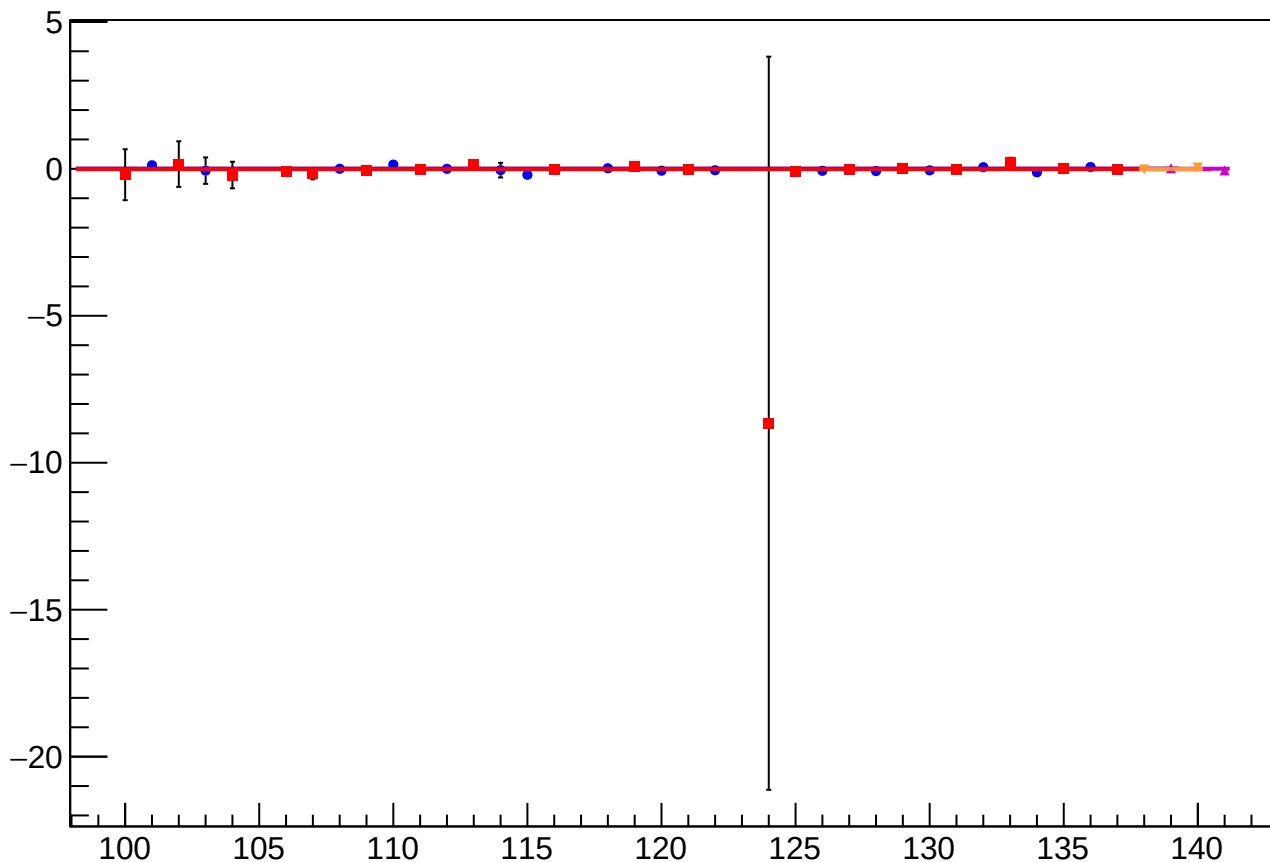
Left In: 0.004+/-0.000 χ^2/NDF : 377253.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 5116632.6/17

All: 0.003+/-0.000 χ^2/NDF : 9057720.3/38

- sign 0.003+/-0.000 χ^2/NDF : 3932658.3/20

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

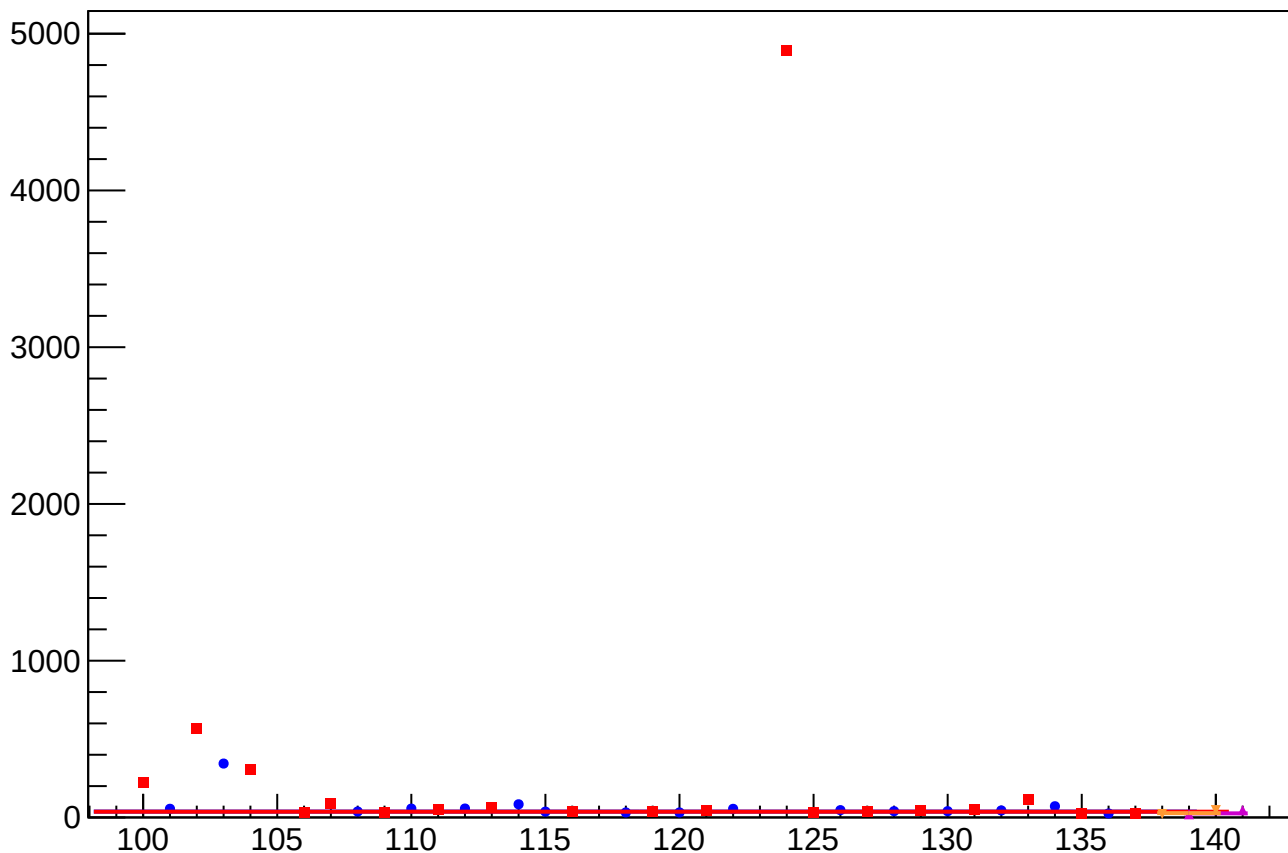
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.002 ± 0.010 χ^2/NDF : 35.3/38

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

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

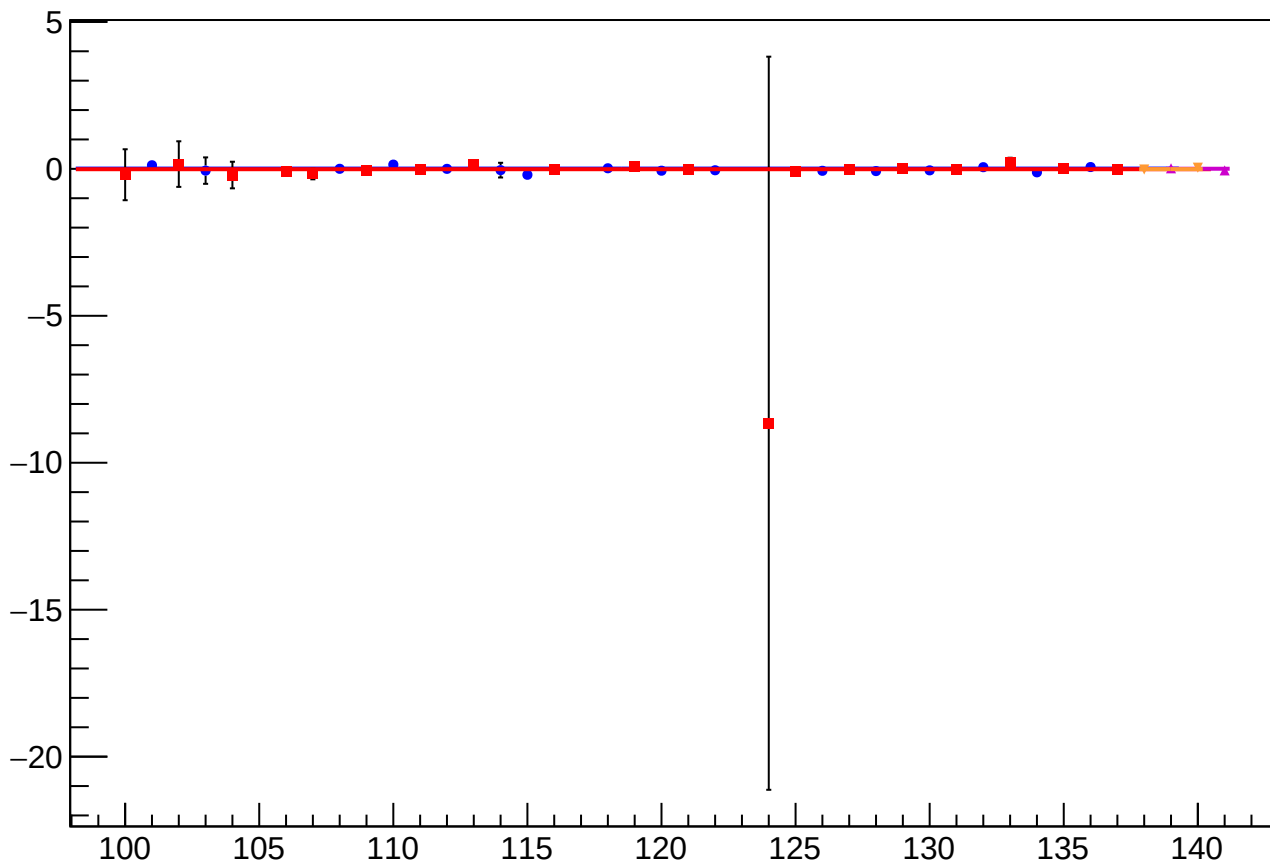
Left In: 26.140 $\pm$ 0.017 χ^2 /NDF: 417082.2/1

+ sign 34.620 $\pm$ 0.010 χ^2 /NDF: 2542446.2/17

All: 33.999 $\pm$ 0.007 χ^2 /NDF: 6420484.6/38

- sign 33.364 $\pm$ 0.010 χ^2 /NDF: 3869541.2/20

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

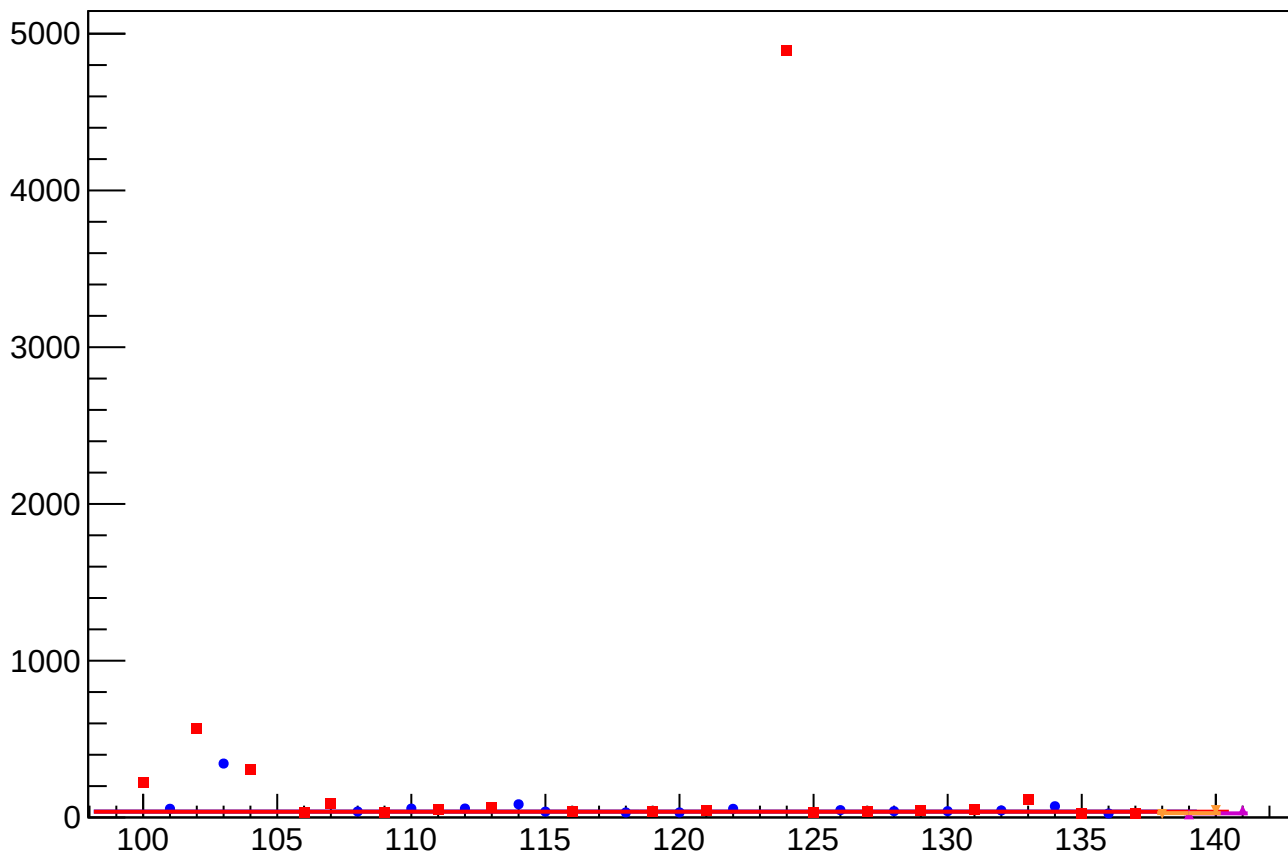
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.003 ± 0.014 χ^2/NDF : 20.6/17

All: -0.002 ± 0.010 χ^2/NDF : 35.3/38

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

asym_at1_dd_at2_dd_avg_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

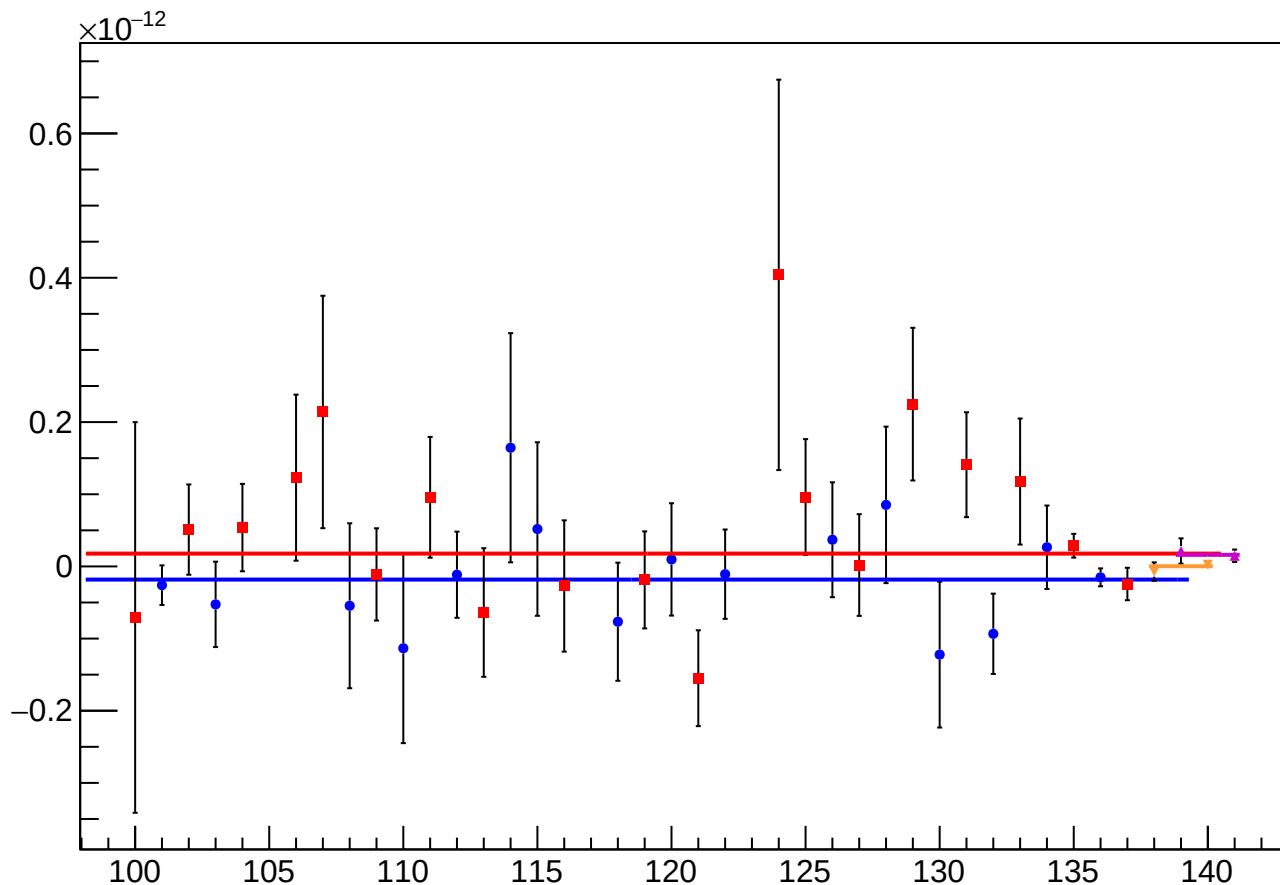
Left In: 26.140 $\pm$ 0.017 χ^2 /NDF: 417082.2/1

+ sign 34.620 $\pm$ 0.010 χ^2 /NDF: 2542446.2/17

All: 33.999 $\pm$ 0.007 χ^2 /NDF: 6420484.6/38

- sign 33.364 $\pm$ 0.010 χ^2 /NDF: 3869541.2/20

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

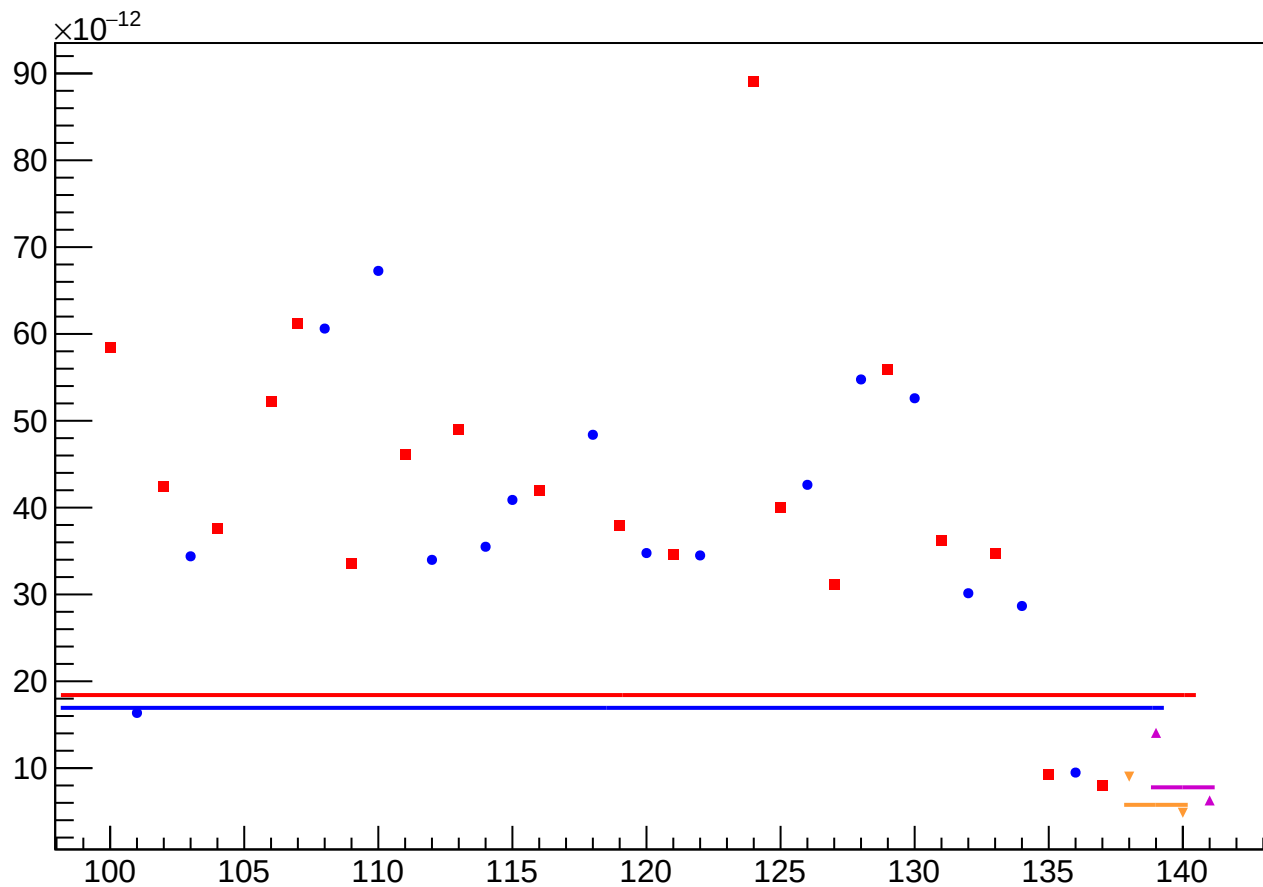
Left In: 0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 11.3/17

All: 0.000+/-0.000 χ^2/NDF : 45.5/38

- sign 0.000+/-0.000 χ^2/NDF : 27.4/20

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3207856.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:166621.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3674861.8/18

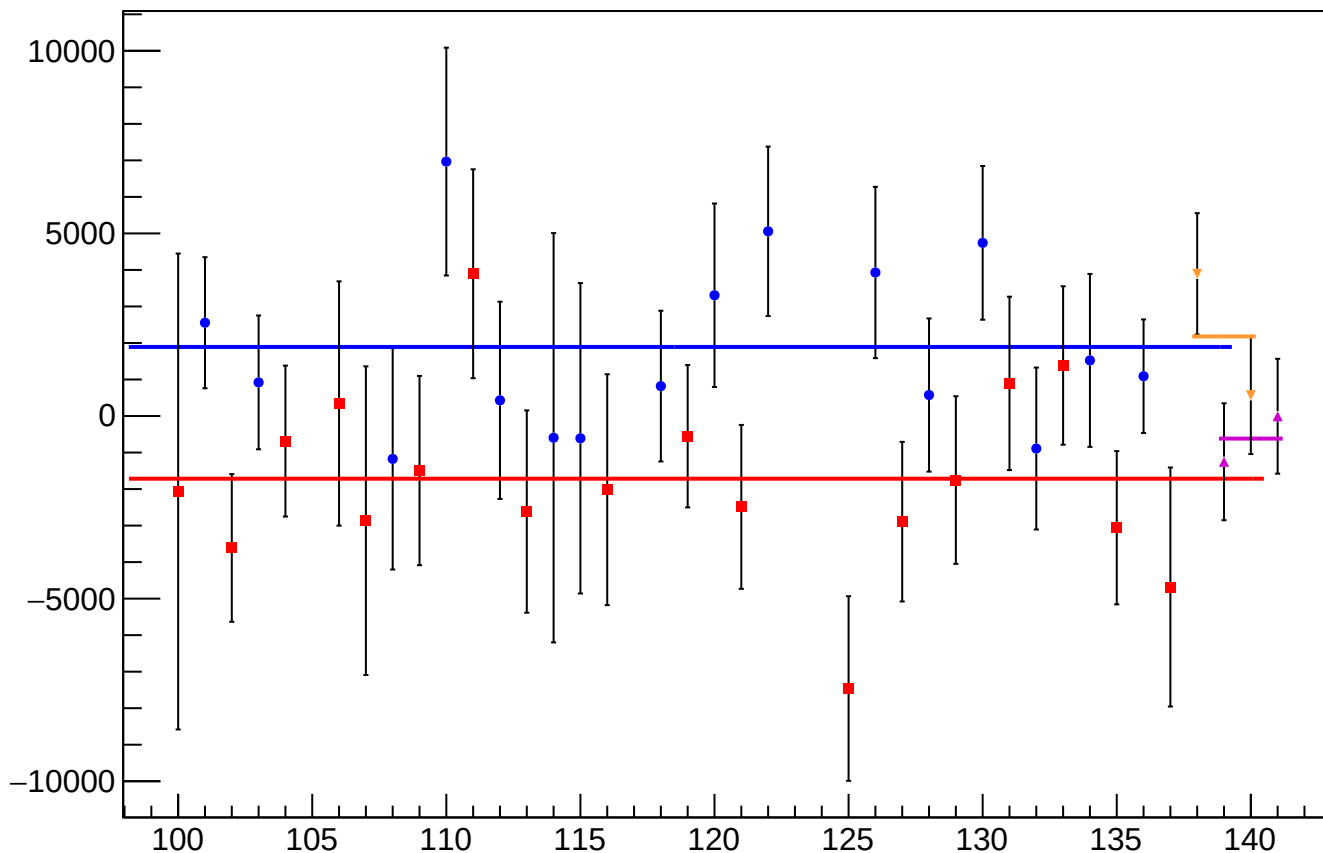
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:316105.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5237835.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10664000.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5230849.0/20

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

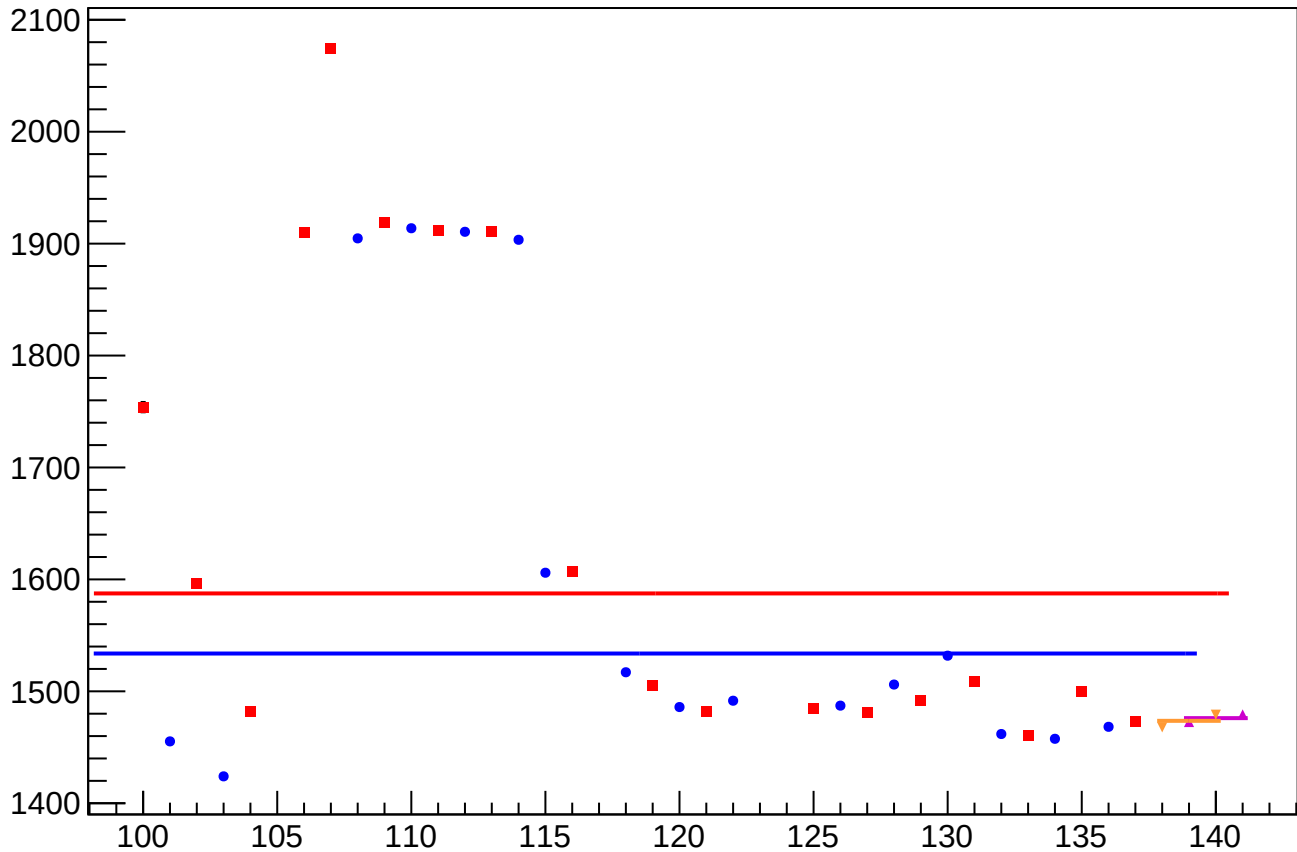
Left In: -617.778 $\pm$ 1121.714 χ^2 /NDF:0.3/1

+ sign 1948.035 $\pm$ 512.892 χ^2 /NDF: 14.3/17

All: 264.523 $\pm$ 365.792 χ^2 /NDF: 53.3/37

- sign -1478.245 $\pm$ 521.840 χ^2 /NDF: 17.0/19

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

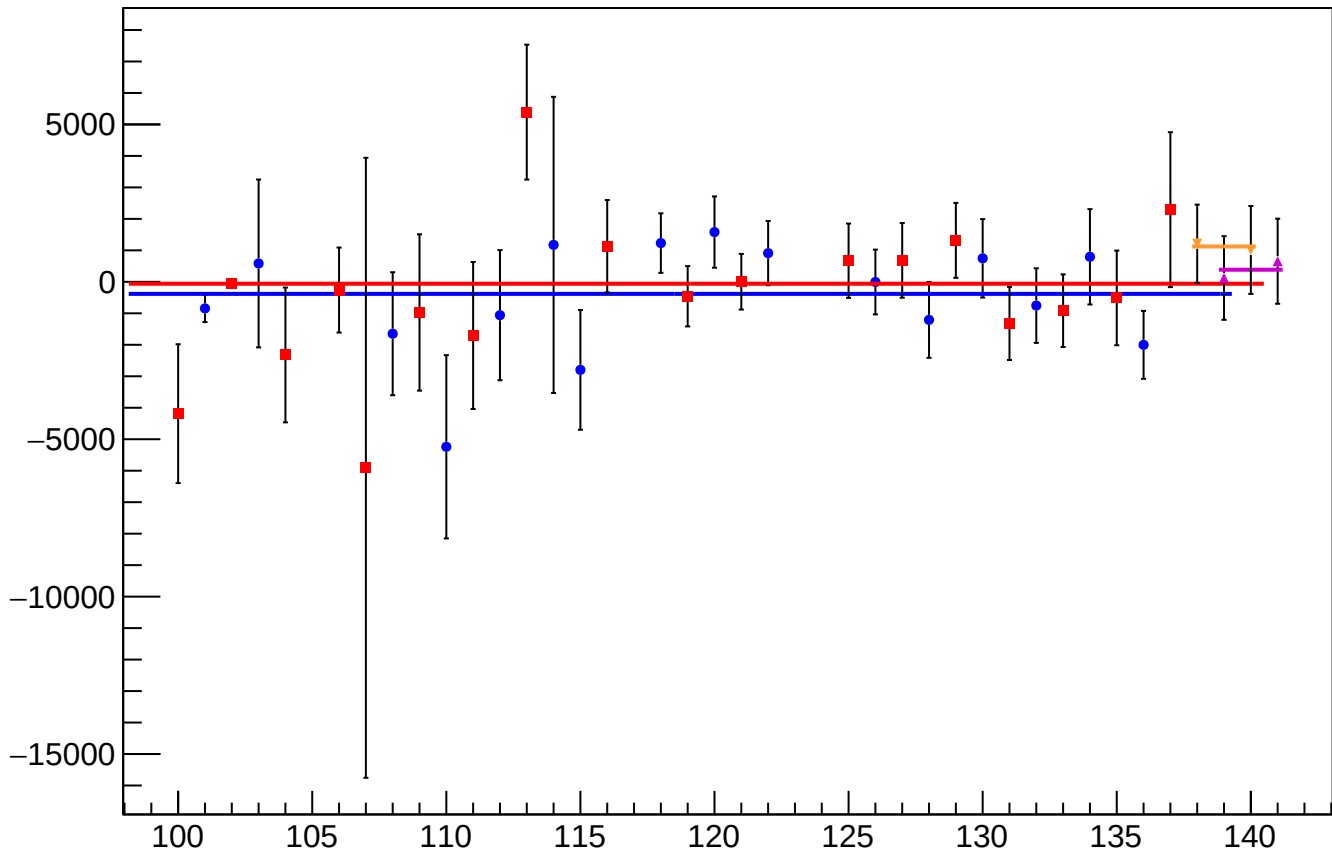
Left In: 1476.042 $\pm$ 0.793 χ^2 /NDF: 18.4/1

+ sign 1521.942 $\pm$ 0.363 χ^2 /NDF: 133664.5/17

All: 1542.287 $\pm$ 0.259 χ^2 /NDF: 327537.8/37

- sign 1563.347 $\pm$ 0.369 χ^2 /NDF: 187468.8/19

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

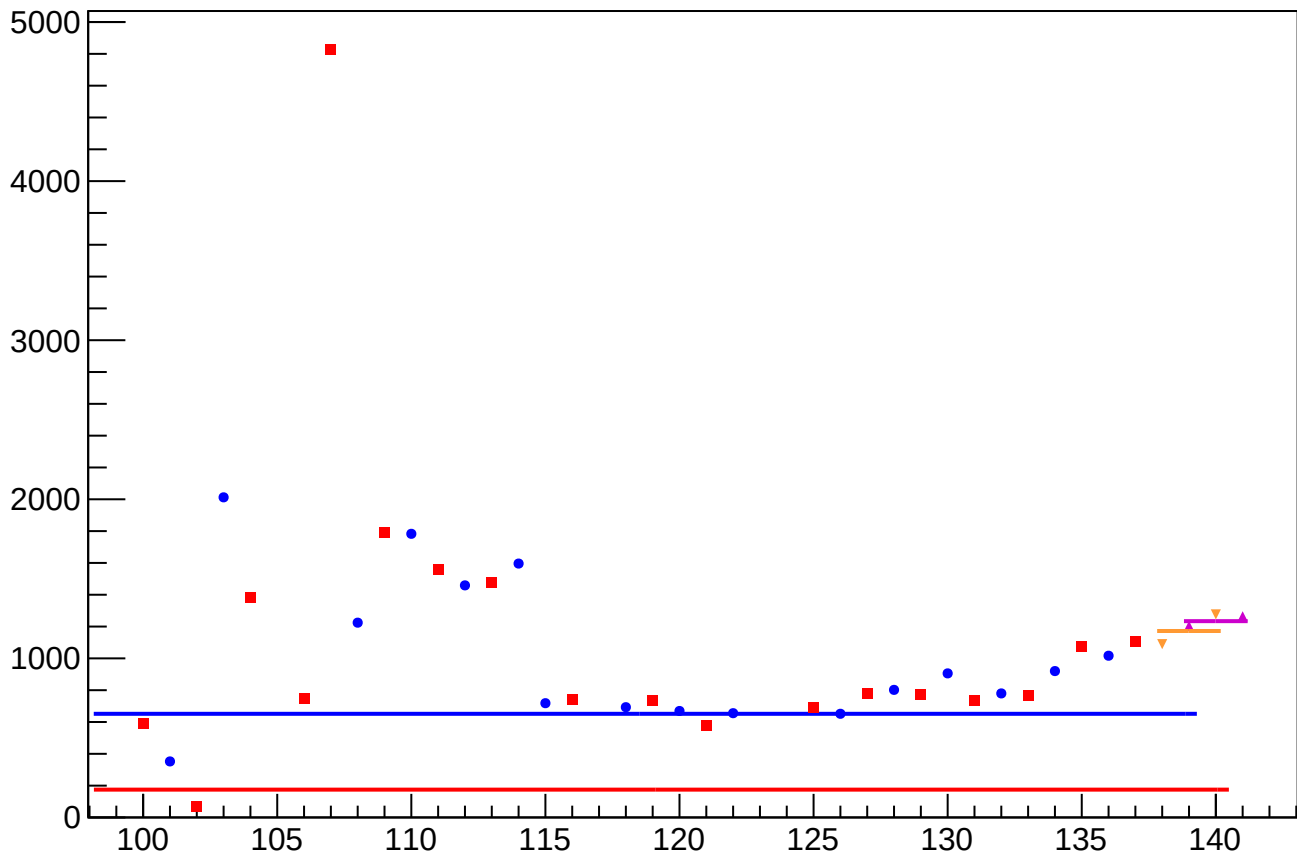
Left In: 384.402+/-947.619 χ^2/NDF : 0.1/1

+ sign -263.664+/-261.219 χ^2/NDF : 20.6/17

All: -92.274+/-113.894 χ^2/NDF : 39.2/37

- sign -52.045+/-126.556 χ^2/NDF : 18.1/19

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF : 2762656.2/15

Left Out: 1172.072+/-0.657 χ^2/NDF : 20006.2/1

Right Out: 174.898+/-0.090 χ^2/NDF : 9761228.2/17

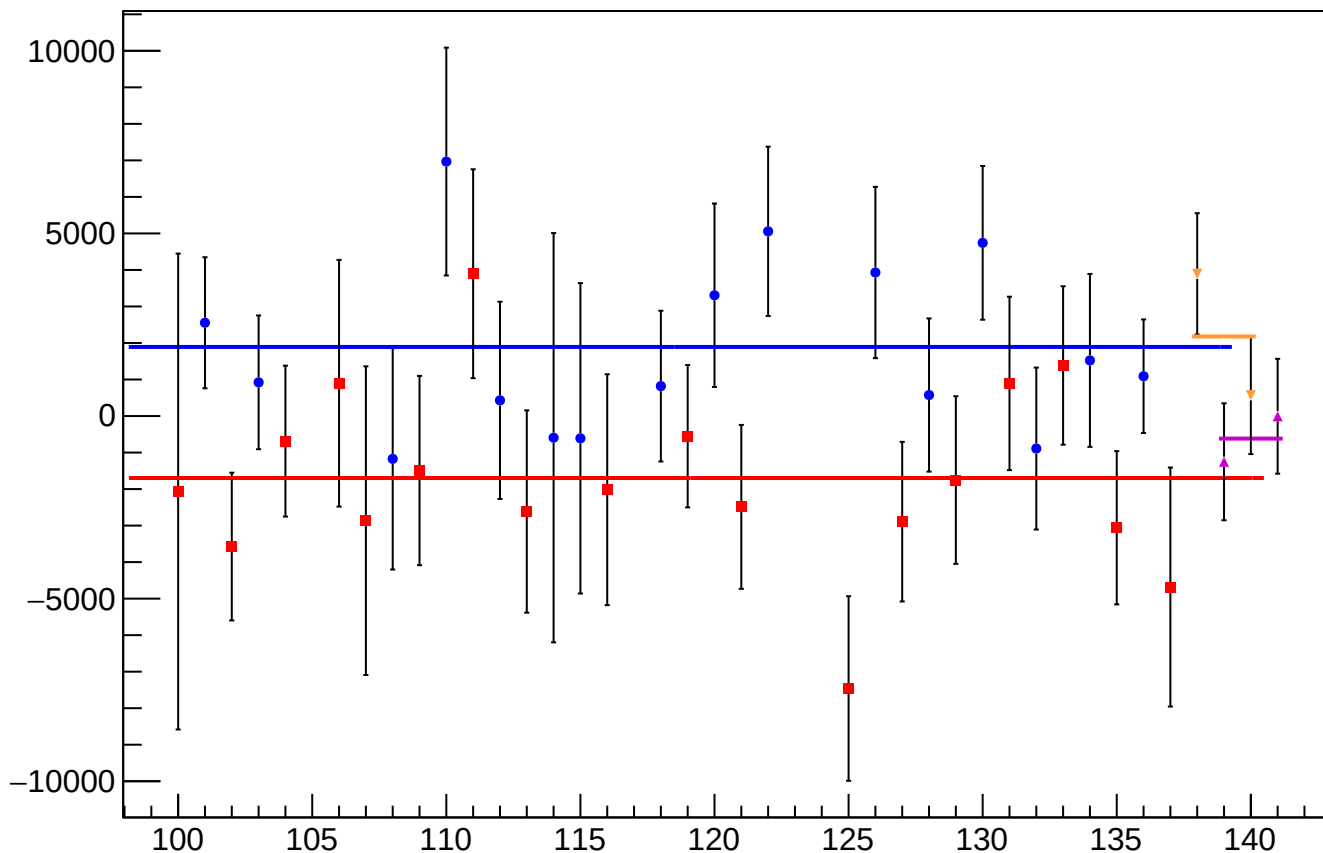
Left In: 1233.965+/-0.670 χ^2/NDF : 2028.3/1

+ sign 692.707+/-0.185 χ^2/NDF : 3361307.3/17

All: 288.634+/-0.081 χ^2/NDF : 21487042.9/37

- sign 193.788+/-0.089 χ^2/NDF : 12216798.5/19

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 2179.207 $\pm$ 1156.497 χ^2 /NDF: 2.1/1

Right Out: -1696.987 $\pm$ 589.699 χ^2 /NDF: 16.2/17

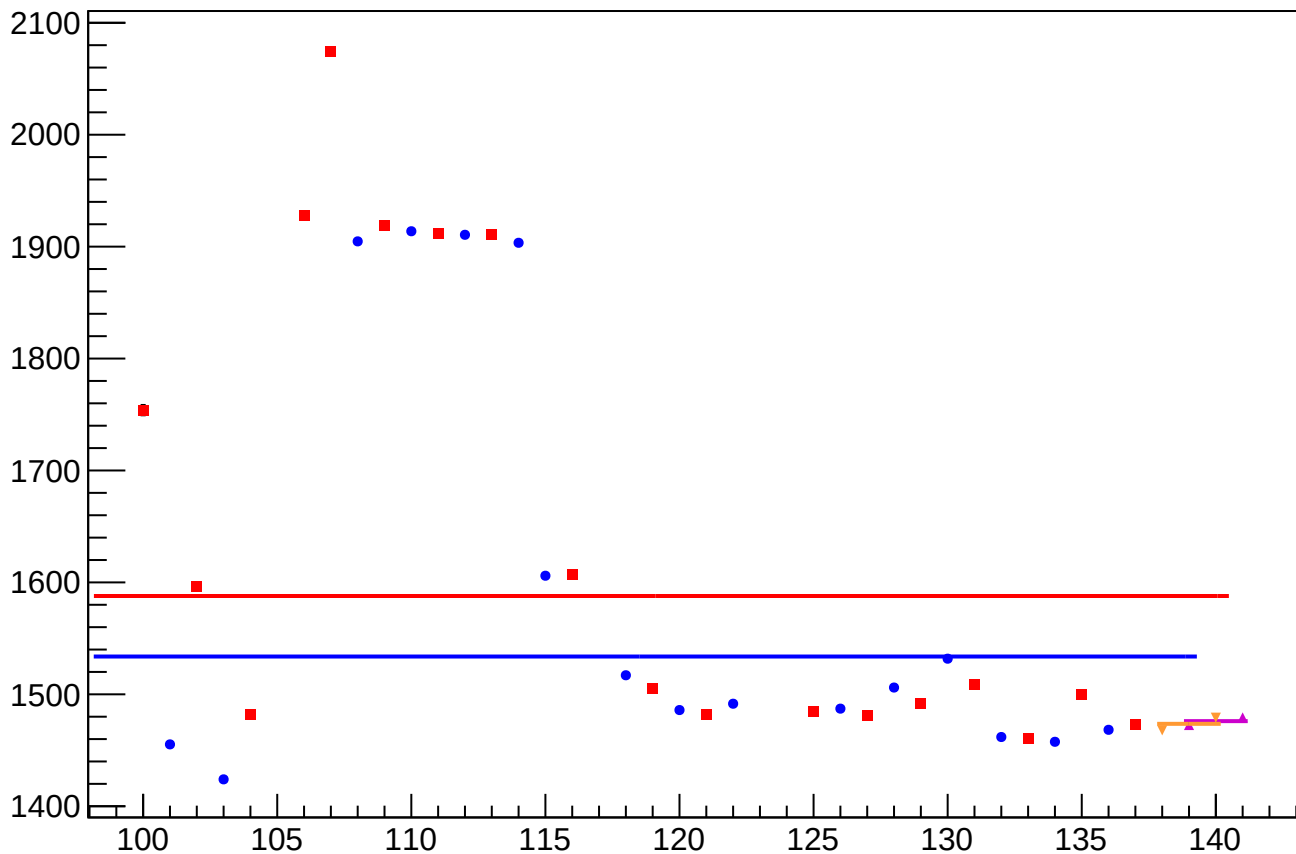
Left In: -618.030 $\pm$ 1121.714 χ^2 /NDF: 0.3/1

+ sign 1948.136 $\pm$ 512.892 χ^2 /NDF: 14.3/17

All: 272.299 $\pm$ 365.835 χ^2 /NDF: 53.3/37

- sign -1463.360 $\pm$ 521.965 χ^2 /NDF: 17.2/19

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF : 129271.5/15

Left Out: 1473.628+/-0.818 χ^2/NDF : 47.9/1

Right Out: 1587.846+/-0.417 χ^2/NDF : 173766.9/17

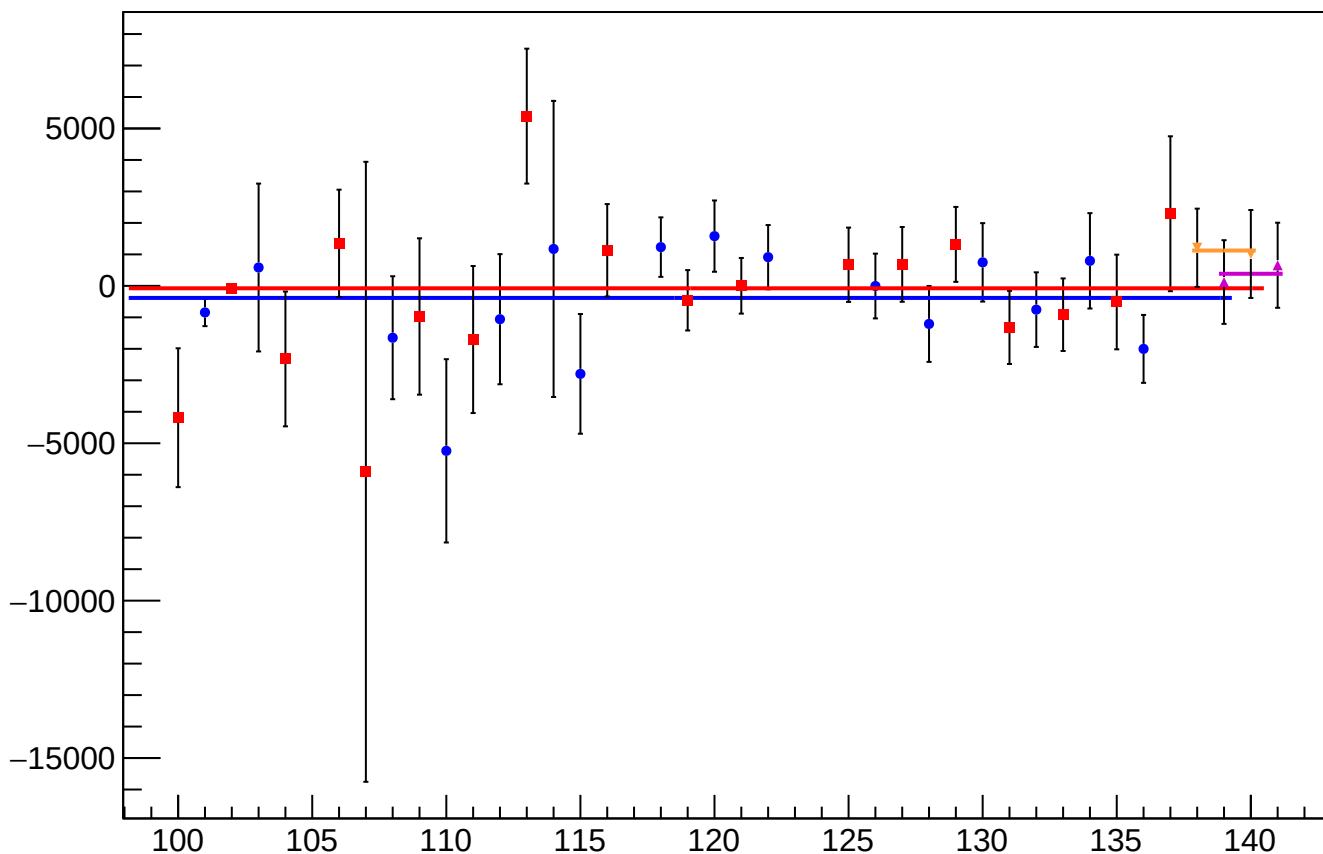
Left In: 1476.042+/-0.793 χ^2/NDF : 18.4/1

+ sign 1521.942+/-0.363 χ^2/NDF : 133664.5/17

All: 1542.424+/-0.259 χ^2/NDF : 329509.7/37

- sign 1563.637+/-0.369 χ^2/NDF : 189352.3/19

asym_usl_atl1_avg_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

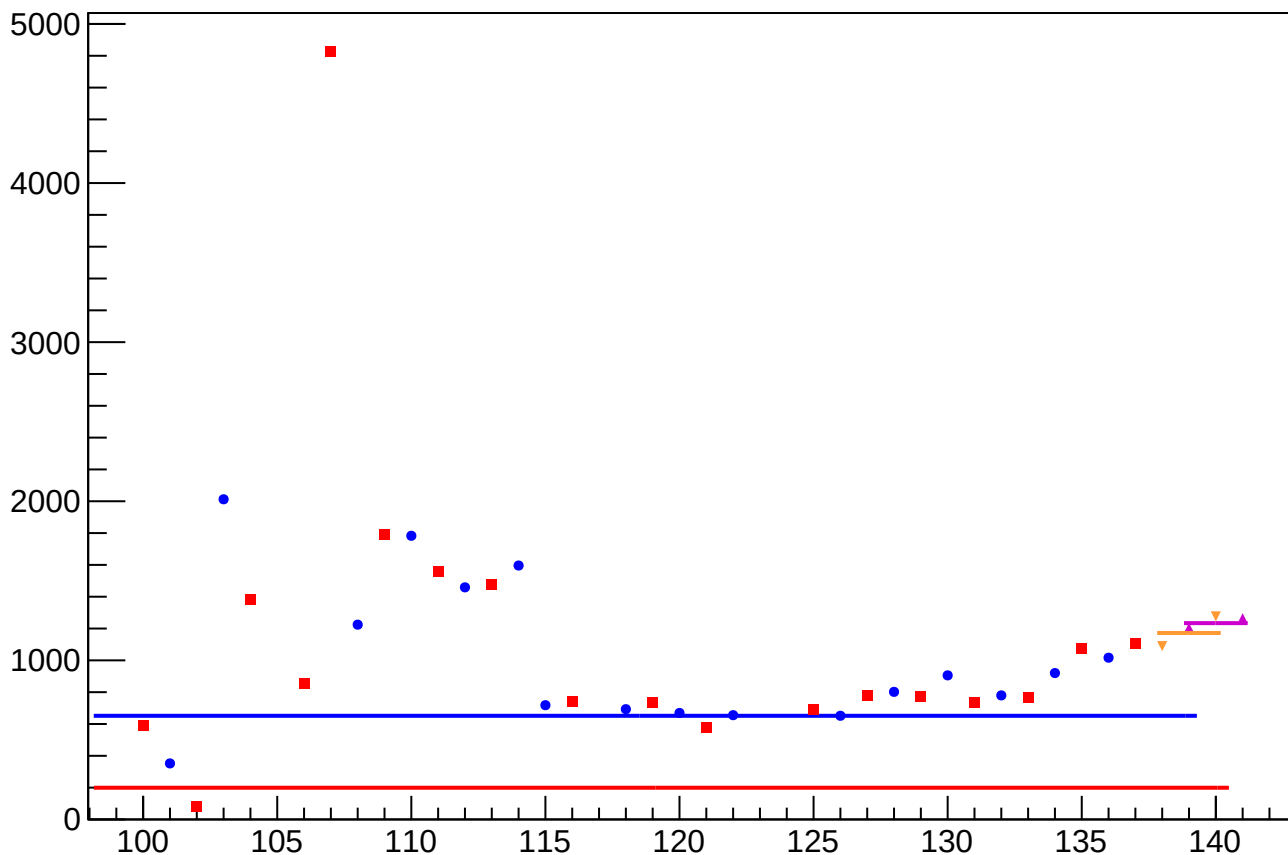
Left In: 384.258+/-947.620 χ^2/NDF : 0.1/1

+ sign -263.628+/-261.219 χ^2/NDF : 20.6/17

All: -109.395+/-121.113 χ^2/NDF : 39.9/37

- sign -67.162+/-136.692 χ^2/NDF : 18.8/19

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF :20002.4/1

Right Out: 199.344 ± 0.098 χ^2/NDF : 9284792.6/17

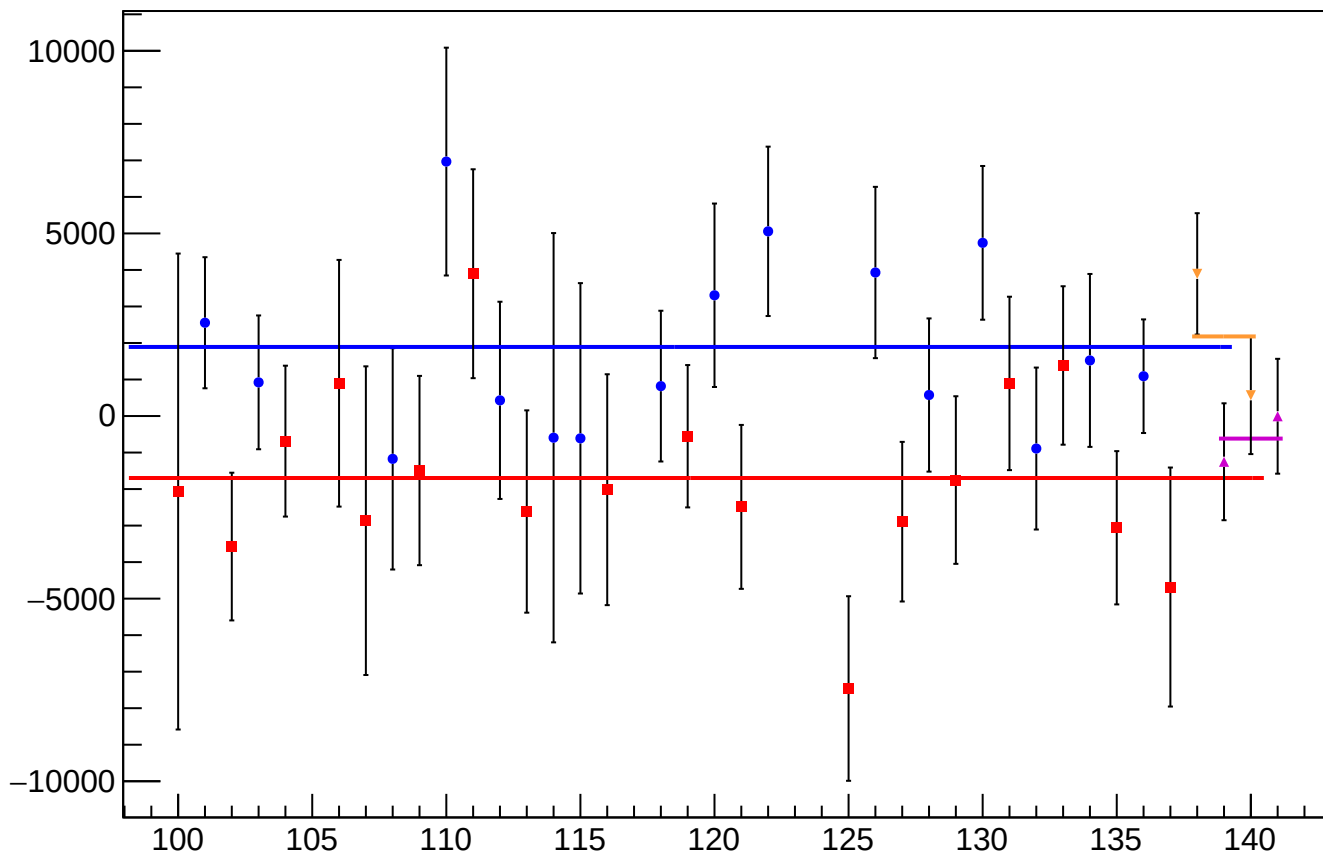
Left In: 1233.967+/-0.670 χ^2/NDF :2027.8/1

+ sign 692.705+/-0.185 χ^2/NDF : 3361340.6/17

All: 322.299 ± 0.086 χ^2/NDF : 20105223.0/37

- sign 220.872+/-0.097 χ^2/NDF : 11621320.8/19

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 2179.207 $\pm$ 1156.497 χ^2 /NDF: 2.1/1

Right Out: -1696.987 $\pm$ 589.699 χ^2 /NDF: 16.2/17

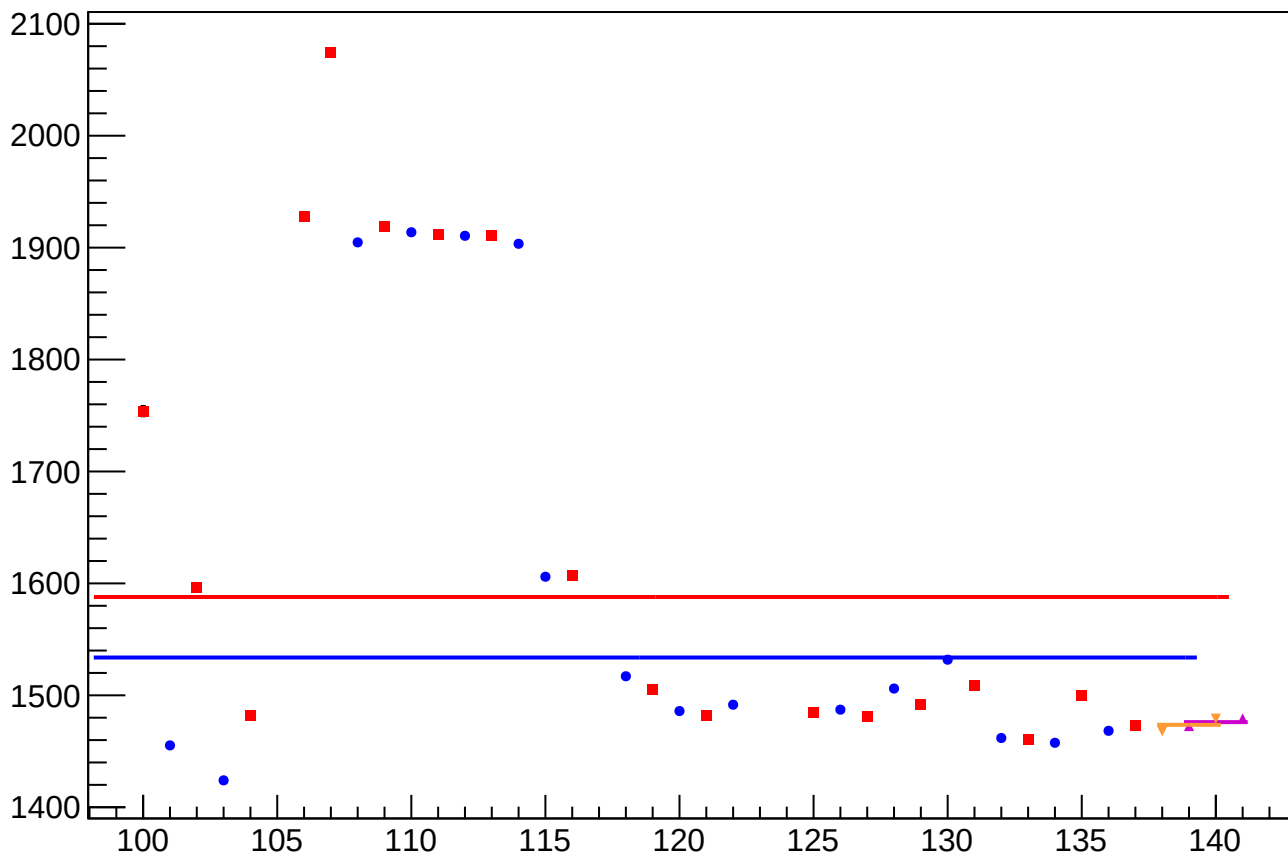
Left In: -618.030 $\pm$ 1121.714 χ^2 /NDF: 0.3/1

+ sign 1948.136 $\pm$ 512.892 χ^2 /NDF: 14.3/17

All: 272.299 $\pm$ 365.835 χ^2 /NDF: 53.3/37

- sign -1463.360 $\pm$ 521.965 χ^2 /NDF: 17.2/19

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

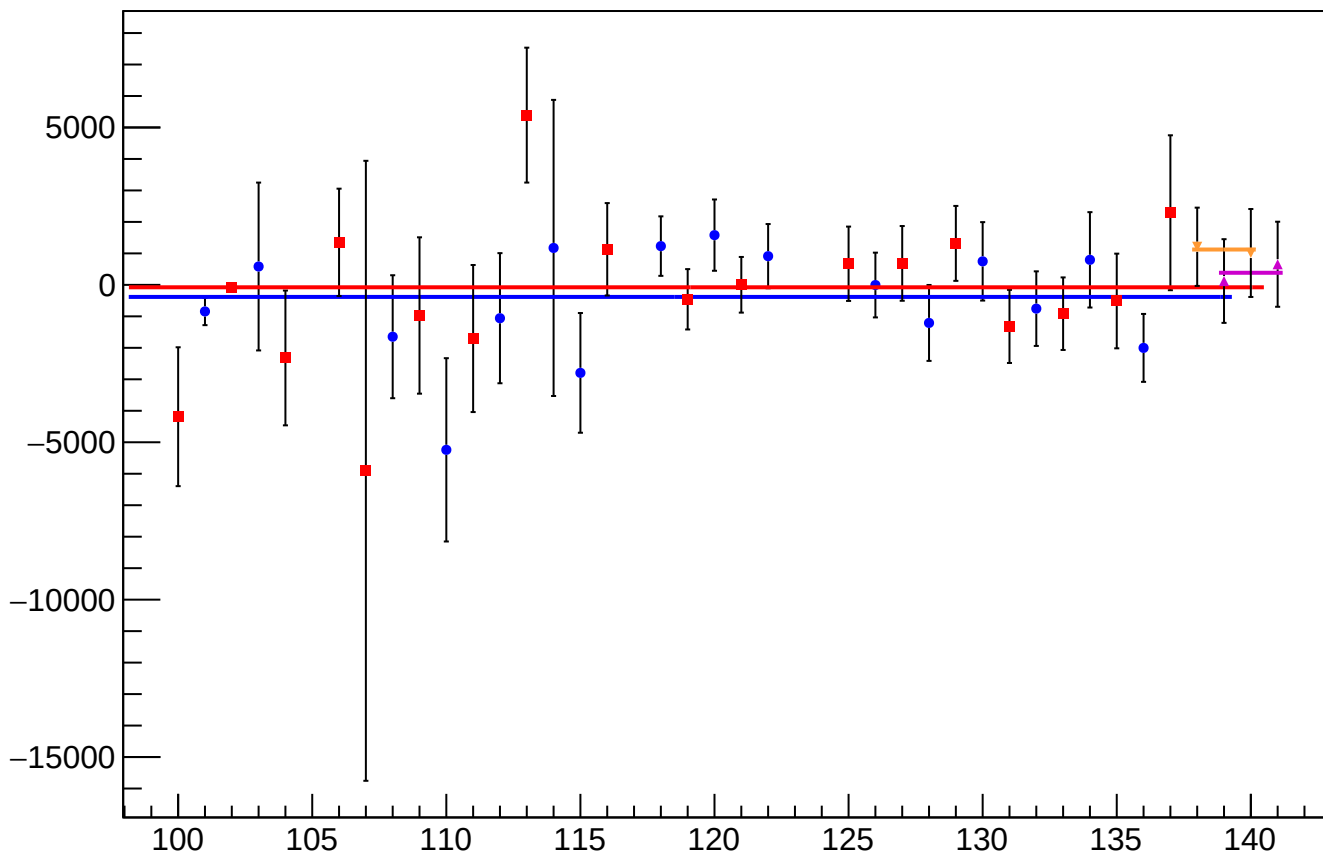
Left In: 1476.042 $\pm$ 0.793 χ^2 /NDF: 18.4/1

+ sign 1521.942 $\pm$ 0.363 χ^2 /NDF: 133664.5/17

All: 1542.424 $\pm$ 0.259 χ^2 /NDF: 329509.7/37

- sign 1563.637 $\pm$ 0.369 χ^2 /NDF: 189352.3/19

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

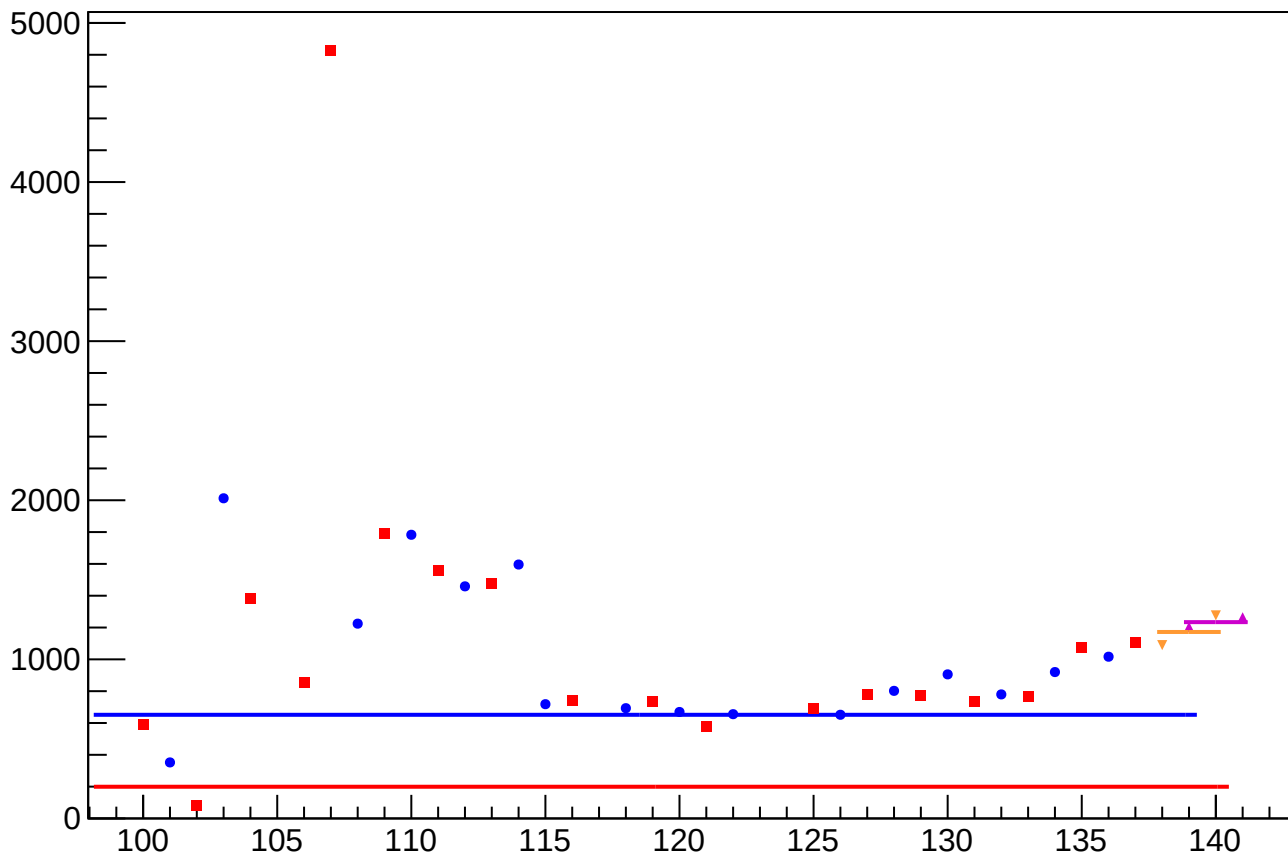
Left In: 384.258+/-947.620 χ^2/NDF : 0.1/1

+ sign -263.628+/-261.219 χ^2/NDF : 20.6/17

All: -109.395+/-121.113 χ^2/NDF : 39.9/37

- sign -67.162+/-136.692 χ^2/NDF : 18.8/19

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF : 20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

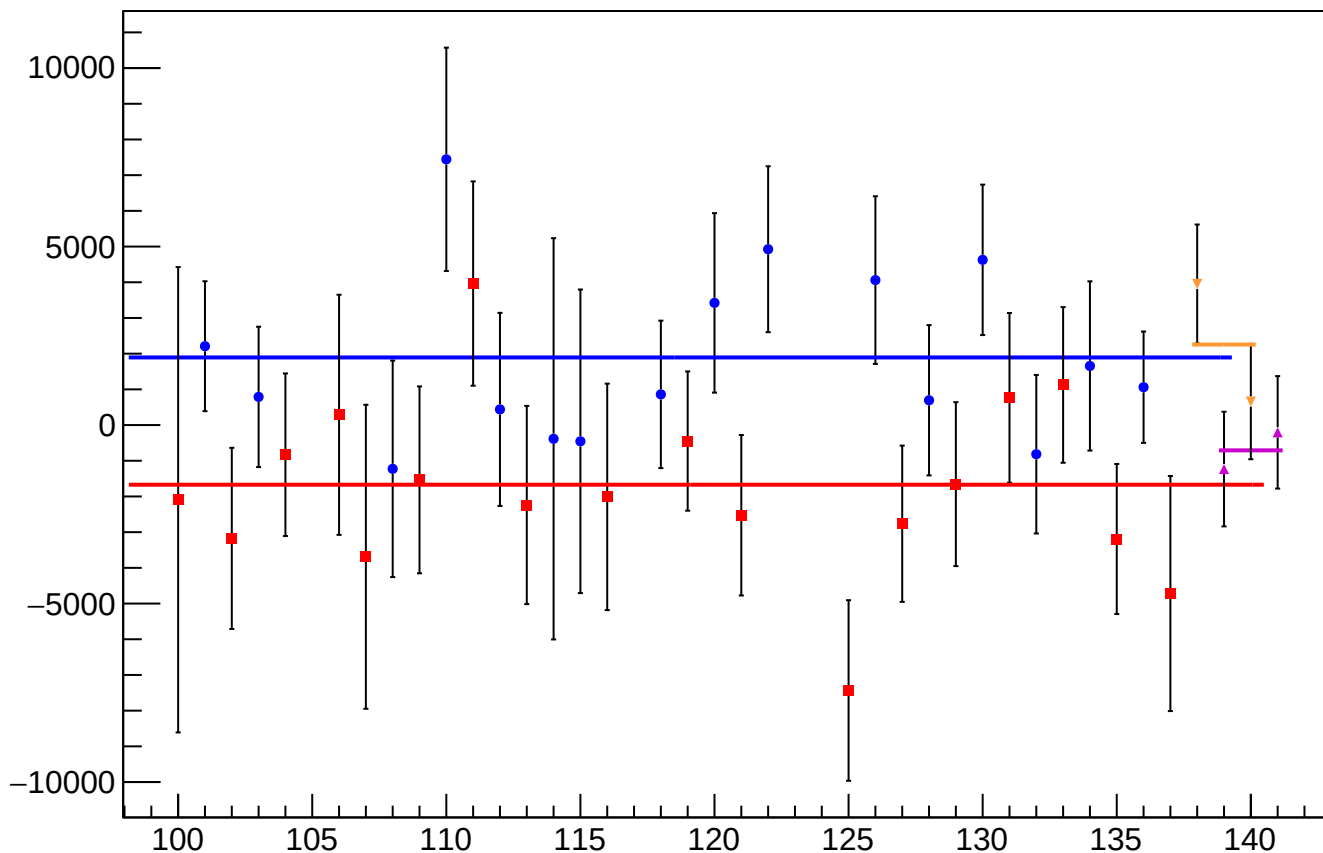
Left In: 1233.967+/-0.670 χ^2/NDF : 2027.8/1

+ sign 692.705+/-0.185 χ^2/NDF : 3361340.6/17

All: 322.299+/-0.086 χ^2/NDF : 20105223.0/37

- sign 220.872+/-0.097 χ^2/NDF : 11621320.8/19

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

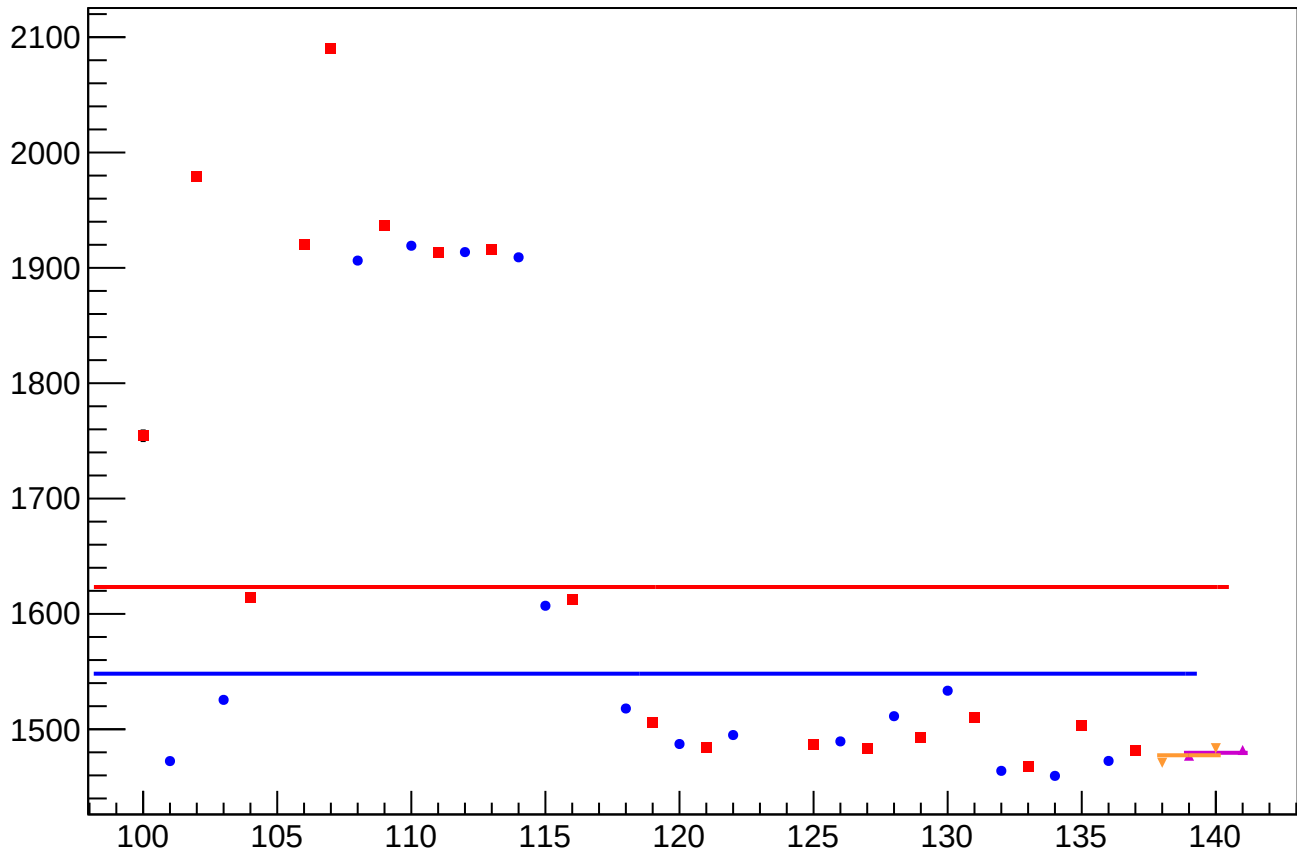
Left In: -708.640 $\pm$ 1124.518 χ^2 /NDF: 0.2/1

+ sign 1966.087 $\pm$ 517.027 χ^2 /NDF: 14.4/17

All: 306.525 $\pm$ 371.002 χ^2 /NDF: 51.4/37

- sign -1455.010 $\pm$ 532.675 χ^2 /NDF: 15.8/19

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF : 119905.3/15

Left Out: 1477.456+/-0.820 χ^2/NDF : 59.4/1

Right Out: 1623.331+/-0.428 χ^2/NDF : 211534.0/17

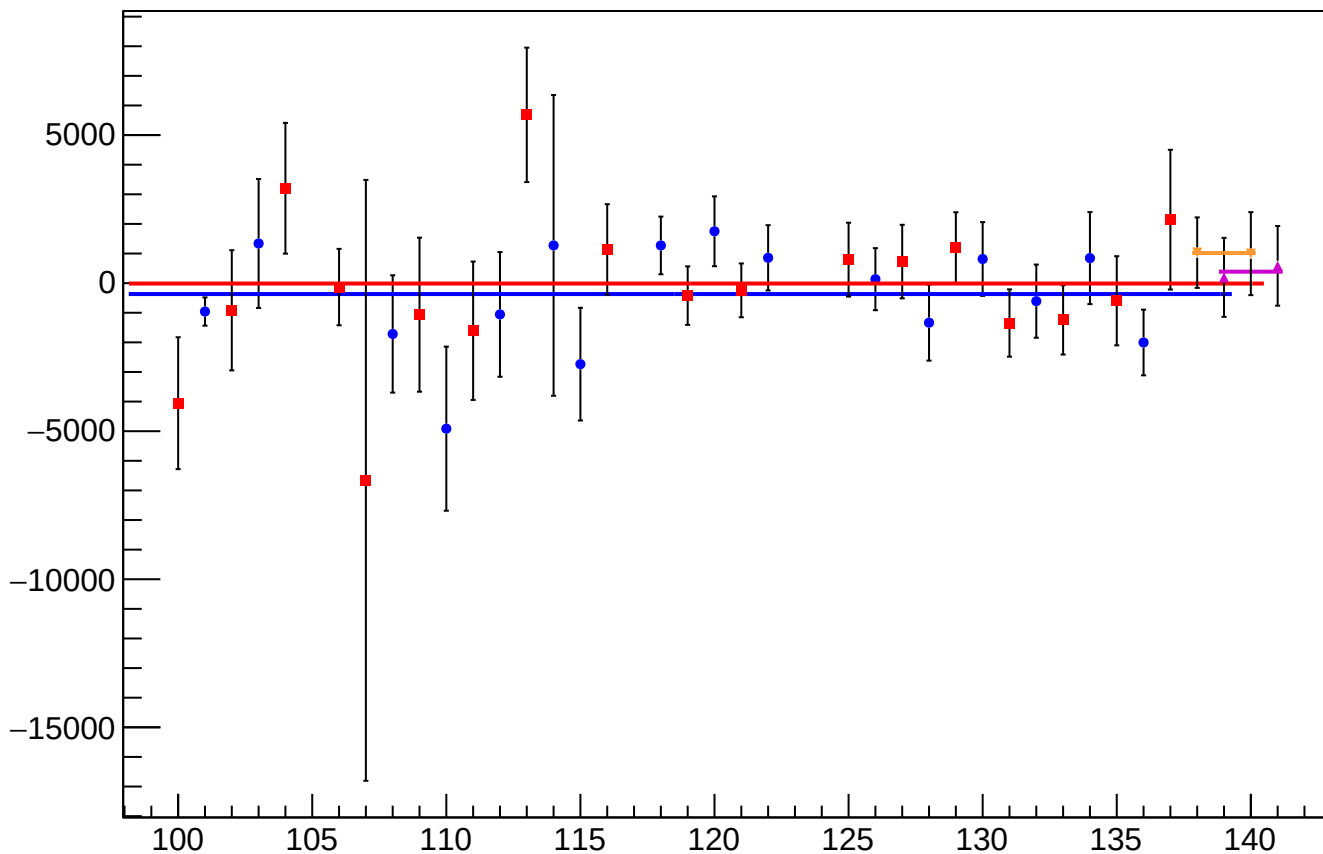
Left In: 1479.603+/-0.795 χ^2/NDF : 9.7/1

+ sign 1534.113+/-0.366 χ^2/NDF : 125925.0/17

All: 1561.748+/-0.262 χ^2/NDF : 374588.0/37

- sign 1591.080+/-0.377 χ^2/NDF : 236884.9/19

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

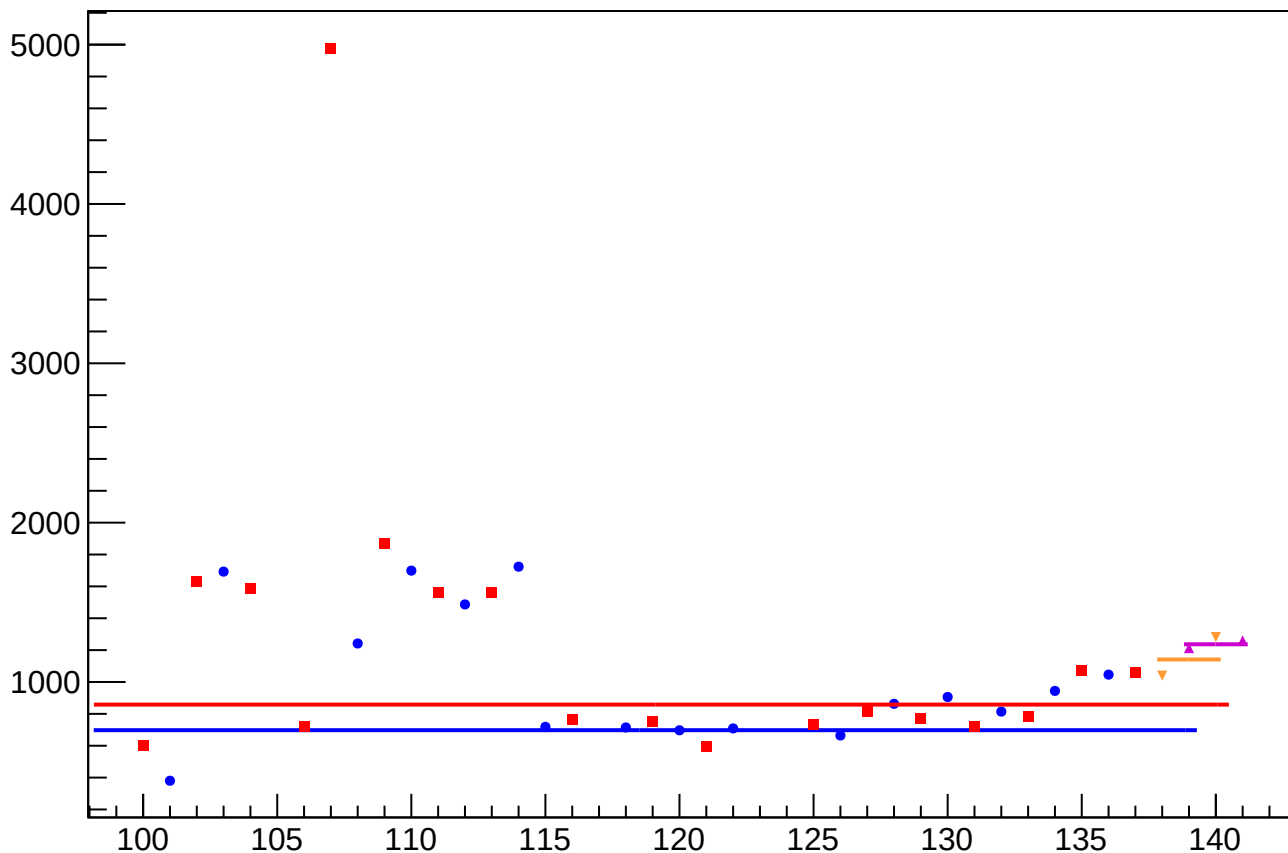
Left In: 387.562 ± 946.886 χ^2/NDF : 0.0/1

+ sign -243.060 ± 273.269 χ^2/NDF : 21.0/17

All: -127.408 ± 208.163 χ^2/NDF : 40.7/37

- sign 32.476 ± 321.303 χ^2/NDF : 19.3/19

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435601.0/15

Left Out: 1141.154+/-0.642 χ^2/NDF : 34774.9/1

Right Out: 858.095+/-0.242 χ^2/NDF : 1882164.5/17

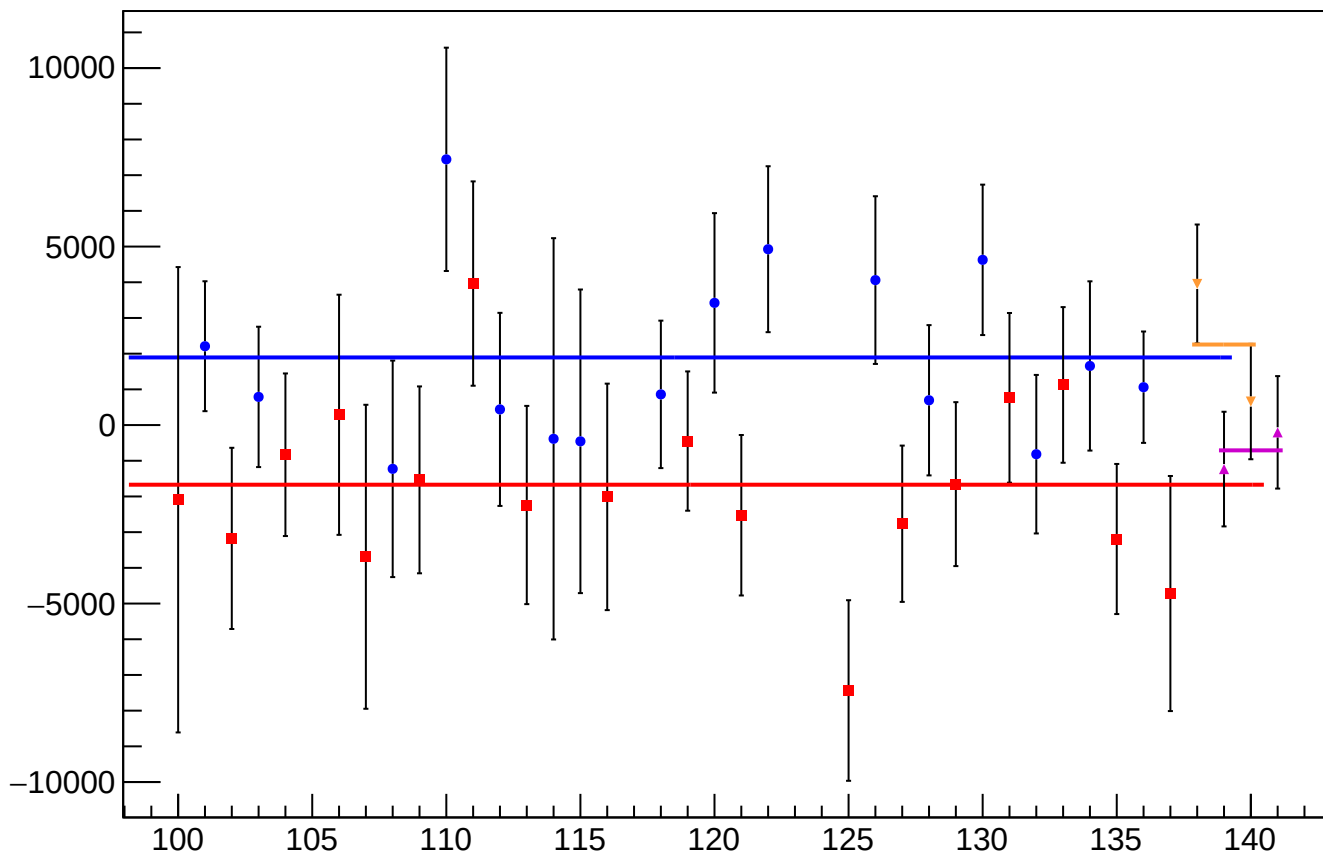
Left In: 1236.564+/-0.670 χ^2/NDF : 1289.3/1

+ sign 737.762+/-0.193 χ^2/NDF : 2905175.1/17

All: 806.561+/-0.147 χ^2/NDF : 5373382.2/37

- sign 901.673+/-0.227 χ^2/NDF : 2166181.0/19

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF : 12.3/15

Left Out: 2255.875+/-1159.516 χ^2/NDF : 2.0/1

Right Out: -1670.931+/-604.838 χ^2/NDF : 15.0/17

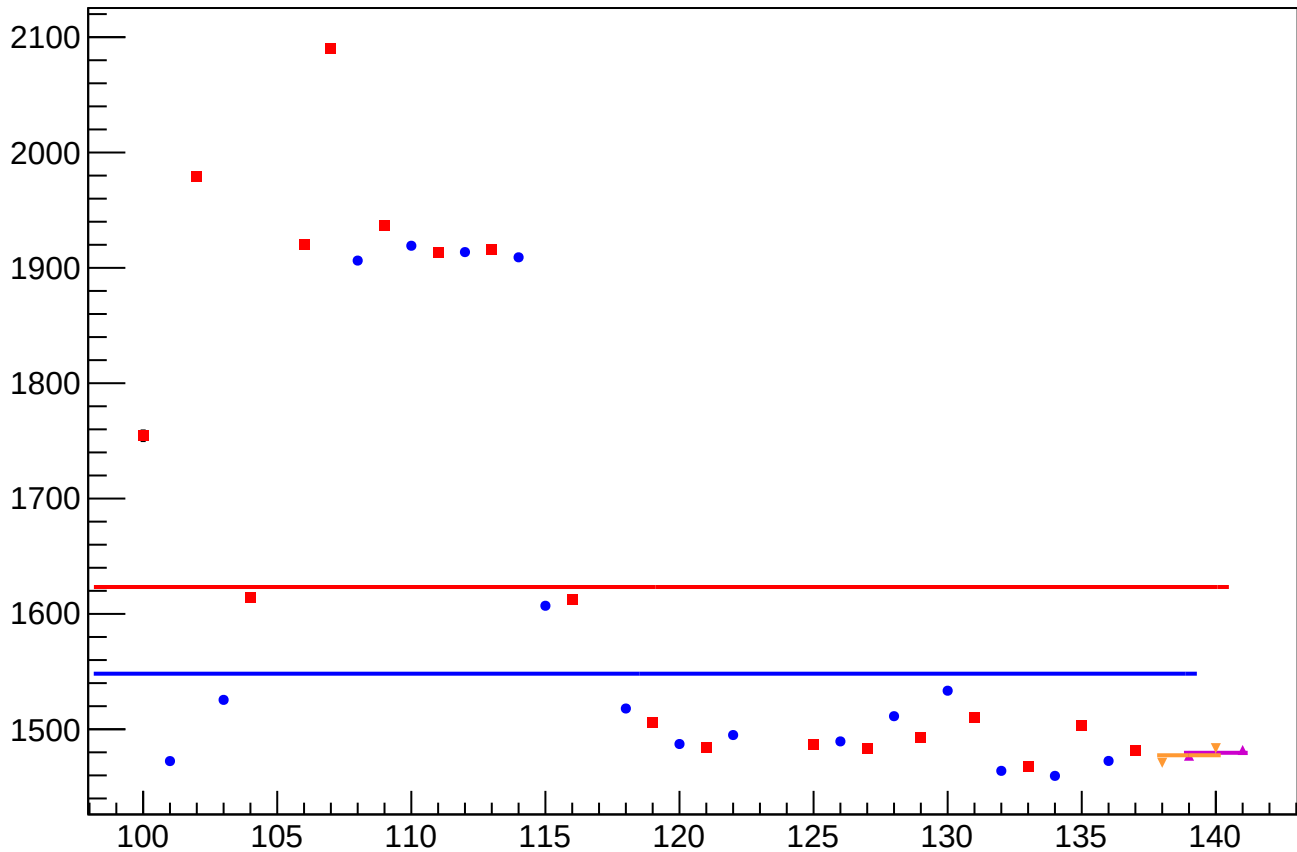
Left In: -708.641+/-1124.518 χ^2/NDF : 0.2/1

+ sign 1966.085+/-517.027 χ^2/NDF : 14.4/17

All: 306.525+/-371.002 χ^2/NDF : 51.4/37

- sign -1455.009+/-532.675 χ^2/NDF : 15.8/19

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF : 119905.4/15

Left Out: 1477.456+/-0.820 χ^2/NDF : 59.4/1

Right Out: 1623.330+/-0.428 χ^2/NDF : 211533.9/17

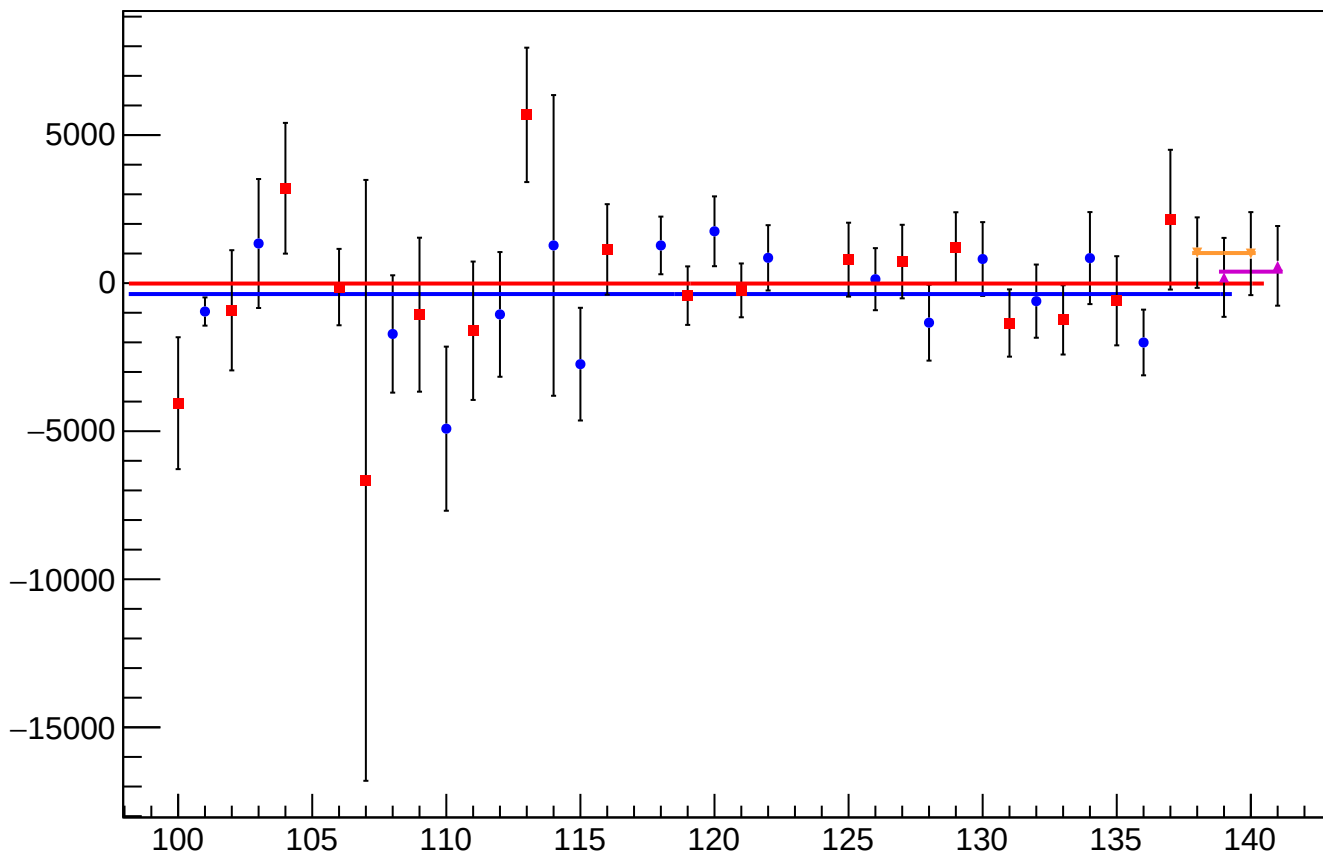
Left In: 1479.602+/-0.795 χ^2/NDF : 9.7/1

+ sign 1534.113+/-0.366 χ^2/NDF : 125925.0/17

All: 1561.748+/-0.262 χ^2/NDF : 374587.8/37

- sign 1591.080+/-0.377 χ^2/NDF : 236884.6/19

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -368.707 ± 286.576 χ^2/NDF : 18.9/15

Left Out: 1016.365 ± 907.296 χ^2/NDF : 0.0/1

Right Out: -13.730 ± 341.568 χ^2/NDF : 19.1/17

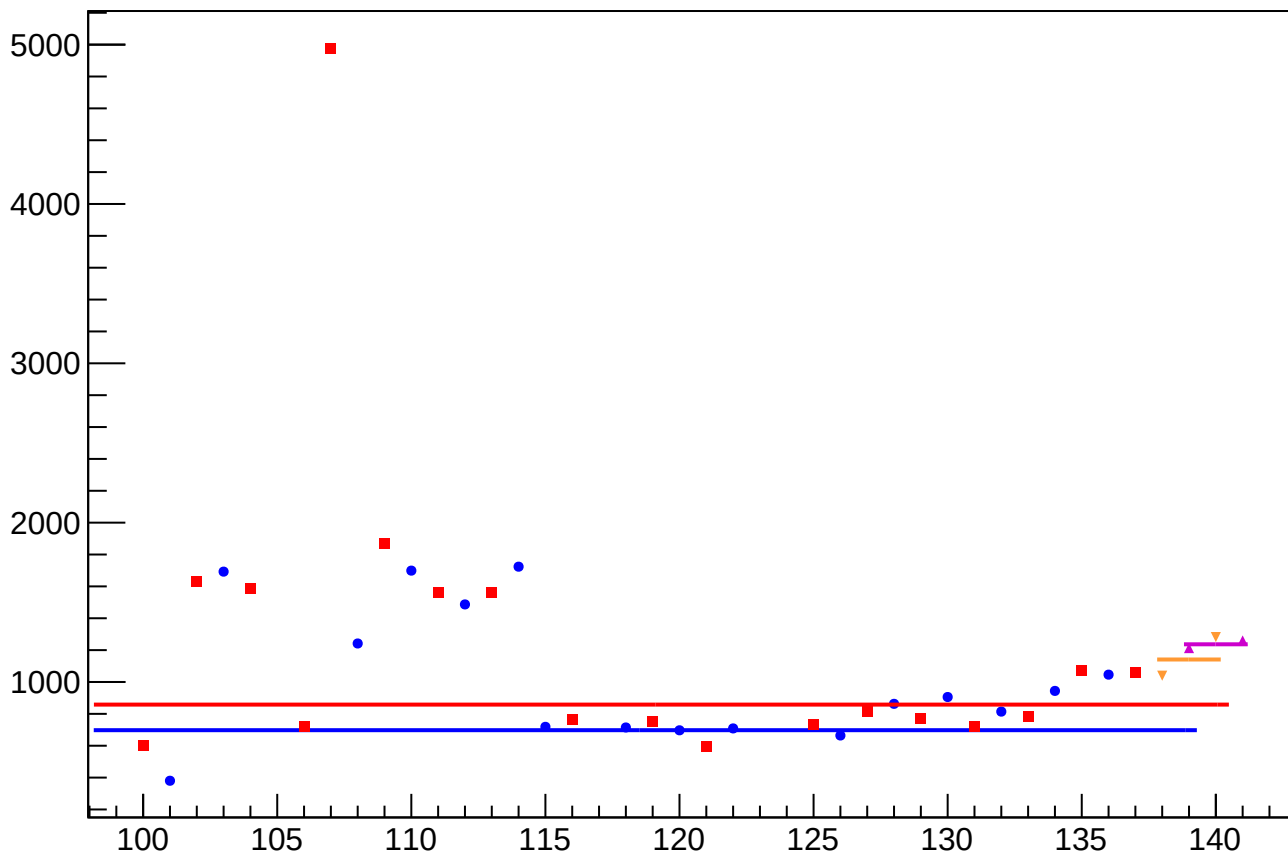
Left In: 387.561 ± 946.887 χ^2/NDF : 0.0/1

+ sign -243.059 ± 273.269 χ^2/NDF : 21.0/17

All: -127.407 ± 208.163 χ^2/NDF : 40.7/37

- sign 32.475 ± 321.303 χ^2/NDF : 19.3/19

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435593.9/15

Left Out: 1141.155+/-0.642 χ^2/NDF : 34775.0/1

Right Out: 858.094+/-0.242 χ^2/NDF : 1882174.1/17

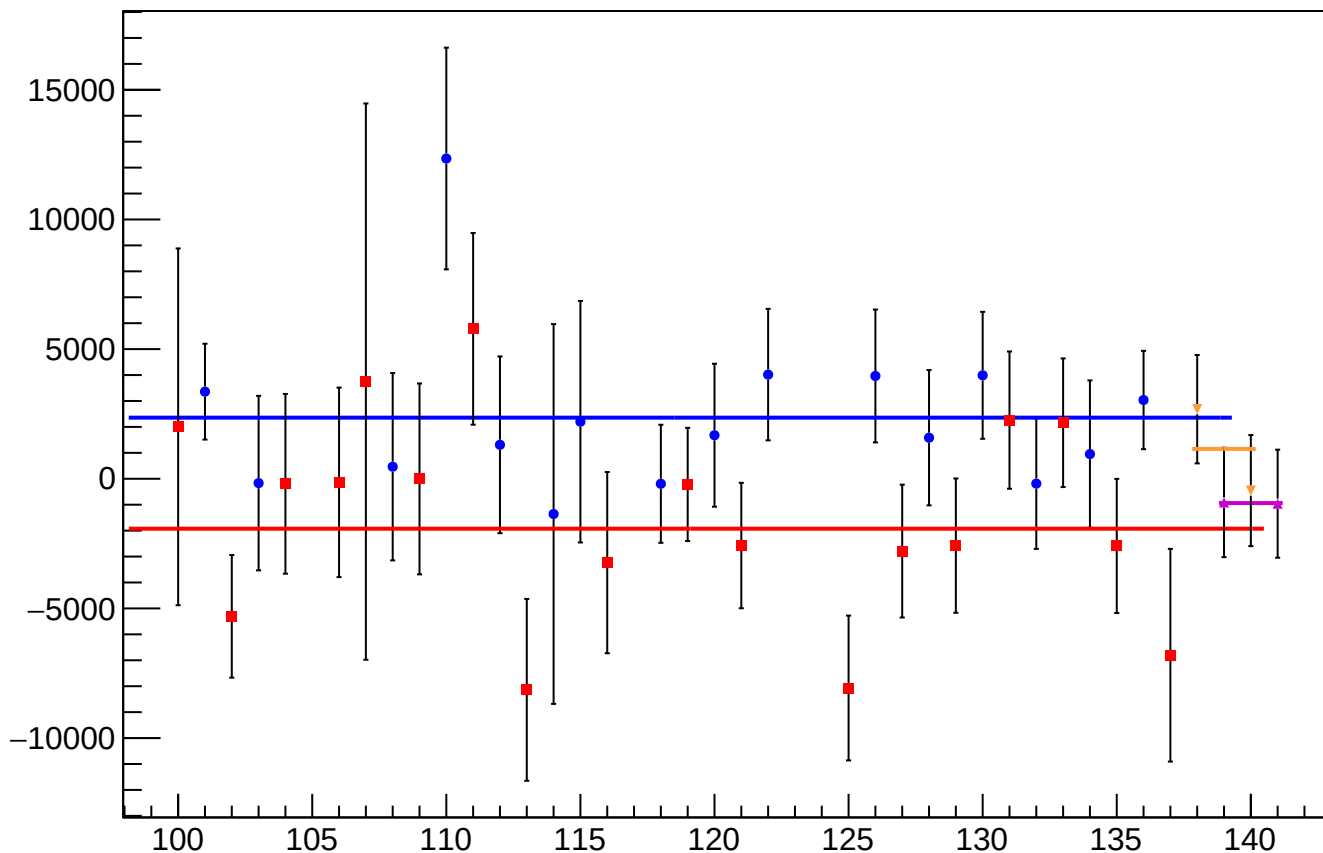
Left In: 1236.565+/-0.670 χ^2/NDF : 1289.3/1

+ sign 737.762+/-0.193 χ^2/NDF : 2905169.7/17

All: 806.561+/-0.147 χ^2/NDF : 5373385.1/37

- sign 901.672+/-0.227 χ^2/NDF : 2166194.6/19

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

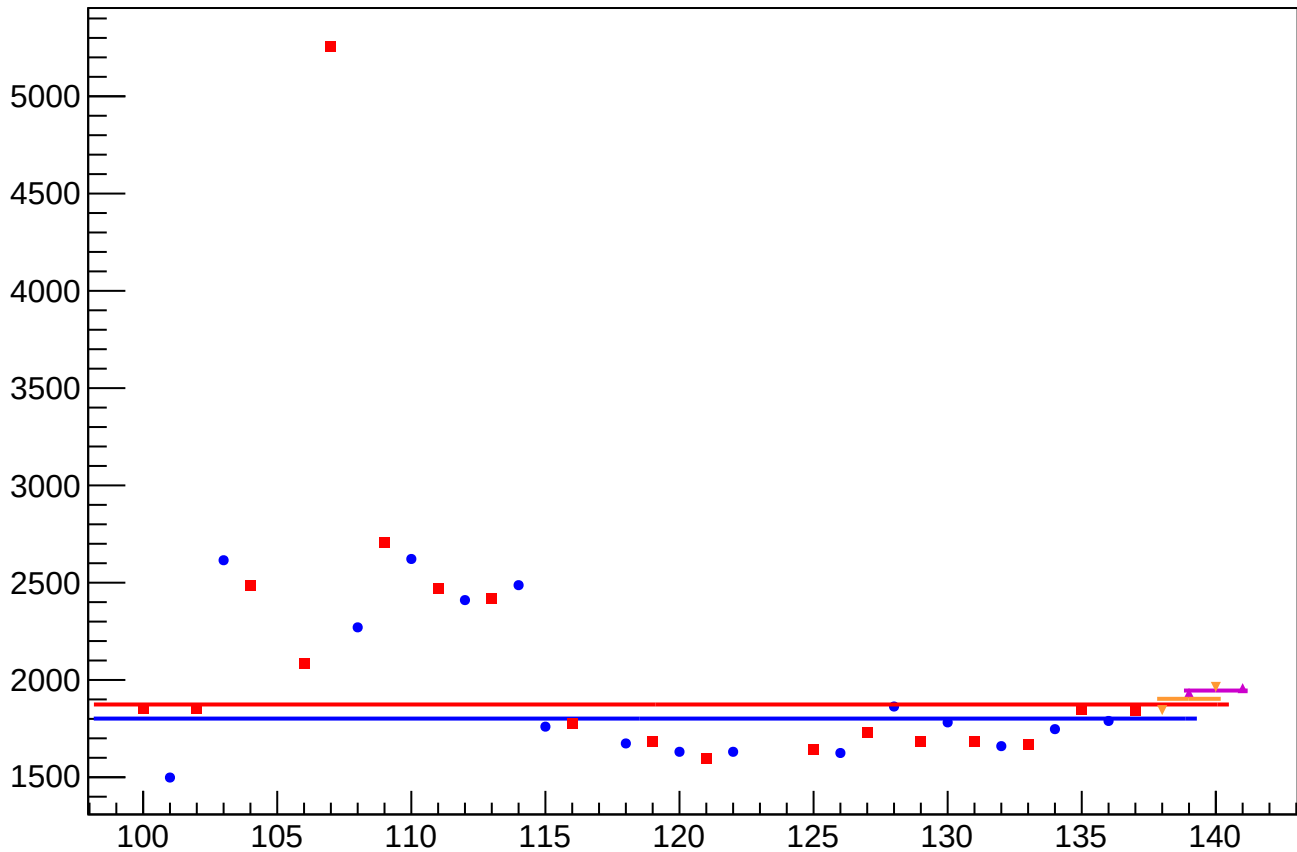
Left In: -937.183 $\pm$ 1482.495 χ^2 /NDF:0.0/1

+ sign 2151.165 $\pm$ 618.249 χ^2 /NDF: 12.7/17

All: 265.843 $\pm$ 443.989 χ^2 /NDF: 55.7/37

- sign -1741.904 $\pm$ 638.006 χ^2 /NDF: 23.8/19

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF : 400702.5/15

Left Out: 1903.095+/-1.058 χ^2/NDF :3181.7/1

Right Out: 1873.976+/-0.500 χ^2/NDF : 569909.0/17

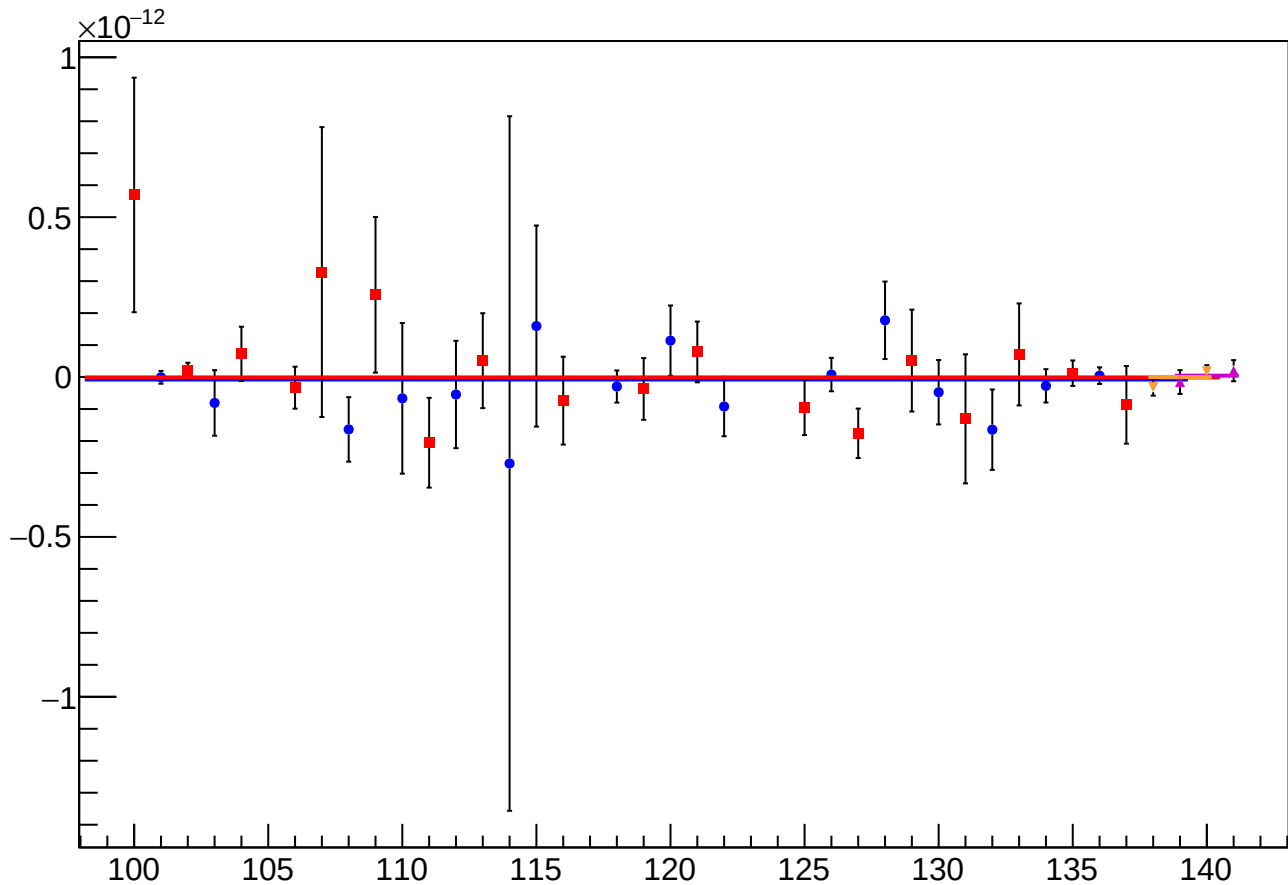
Left In: 1945.606+/-1.048 χ^2/NDF :144.7/1

+ sign 1818.876+/-0.437 χ^2/NDF : 411528.8/17

All: 1851.985+/-0.314 χ^2/NDF : 997230.3/37

- sign 1887.243+/-0.451 χ^2/NDF : 573858.0/19

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 2.1/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 16.7/17

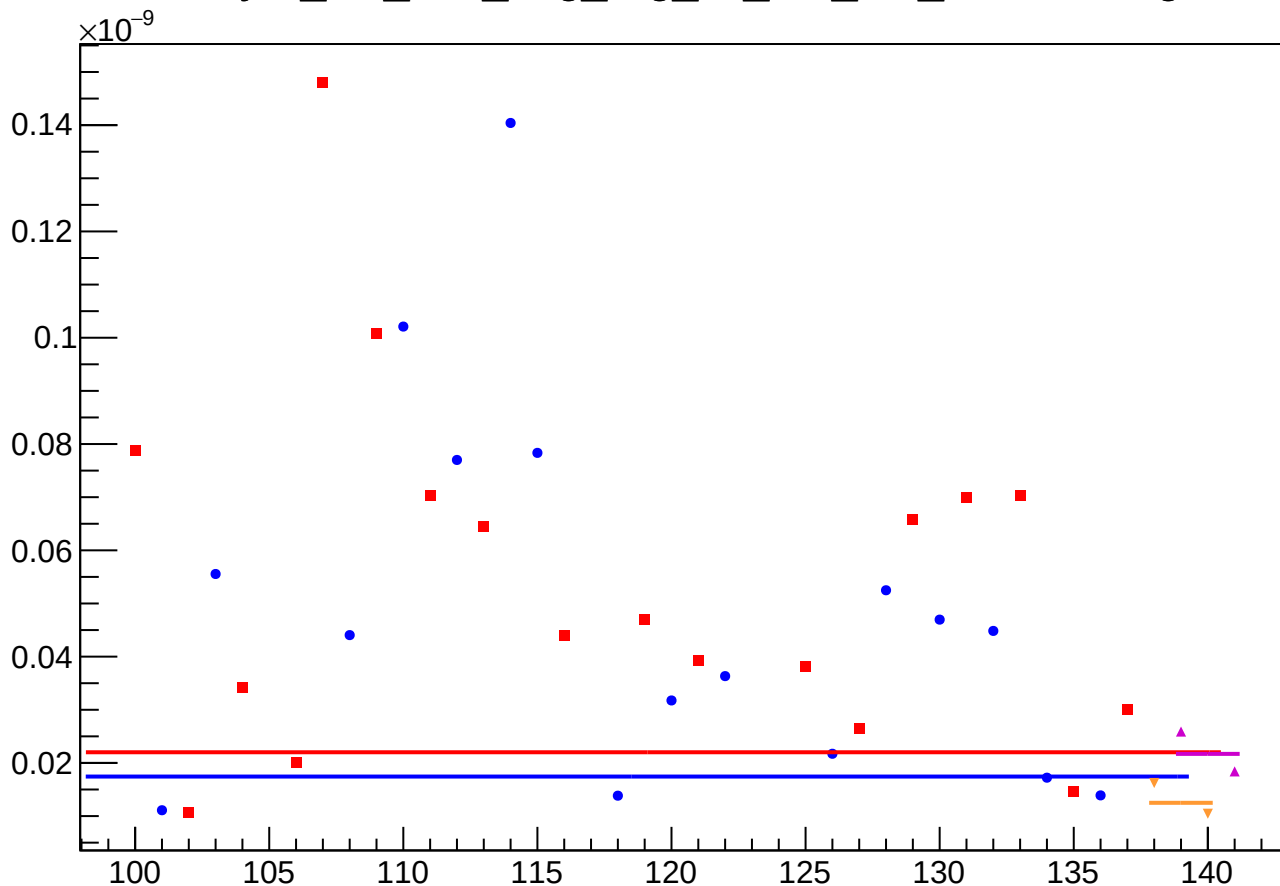
Left In: 0.000+/-0.000 χ^2 /NDF: 0.5/1

+ sign -0.000+/-0.000 χ^2 /NDF: 12.5/17

All: -0.000+/-0.000 χ^2 /NDF: 29.8/37

- sign 0.000+/-0.000 χ^2 /NDF: 17.2/19

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

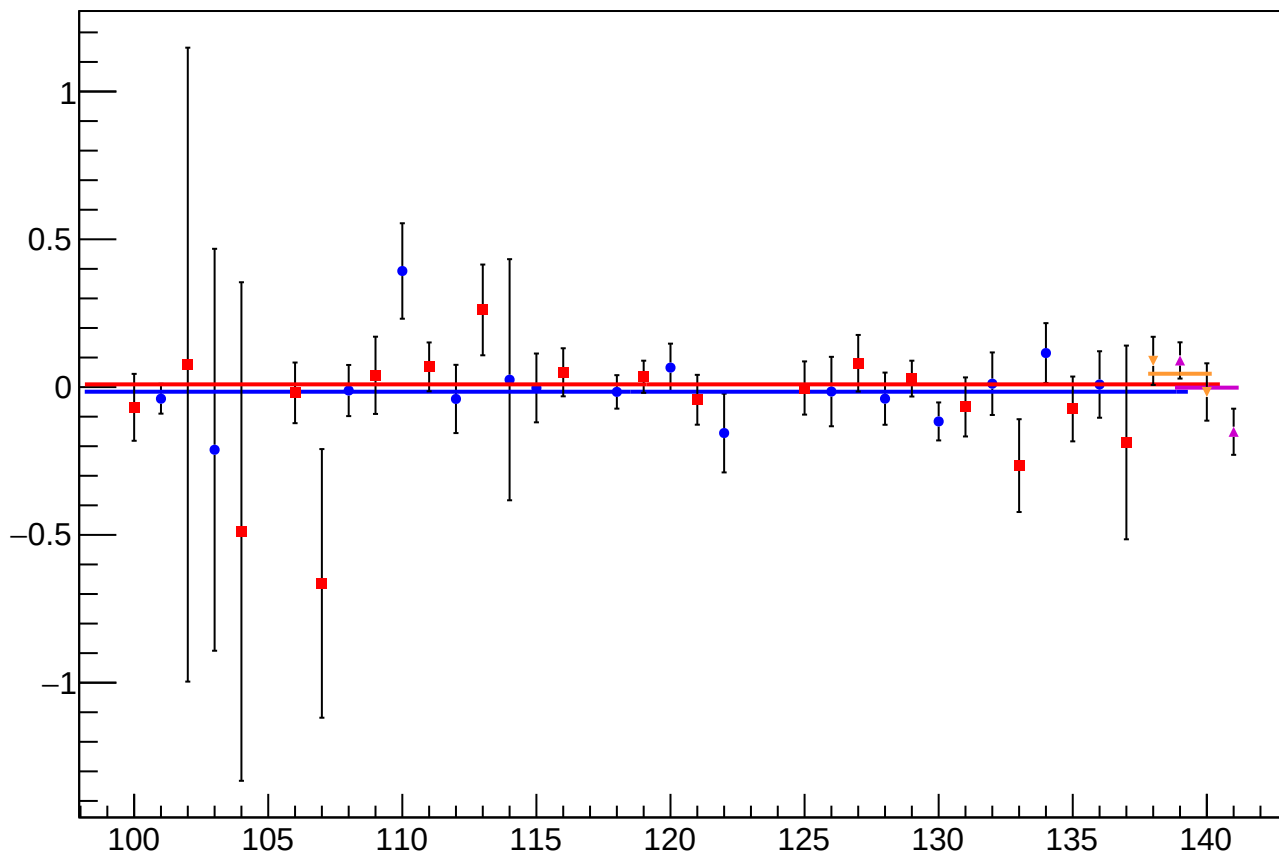
Left In: 0.000 +/- 0.000 χ^2/NDF : 45321.6/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 2013904.1/17

All: 0.000 +/- 0.000 χ^2/NDF : 4434966.1/37

- sign 0.000 +/- 0.000 χ^2/NDF : 2144167.9/19

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 χ^2/NDF : 13.2/15

Left Out: 0.045 ± 0.062 χ^2/NDF : 0.7/1

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

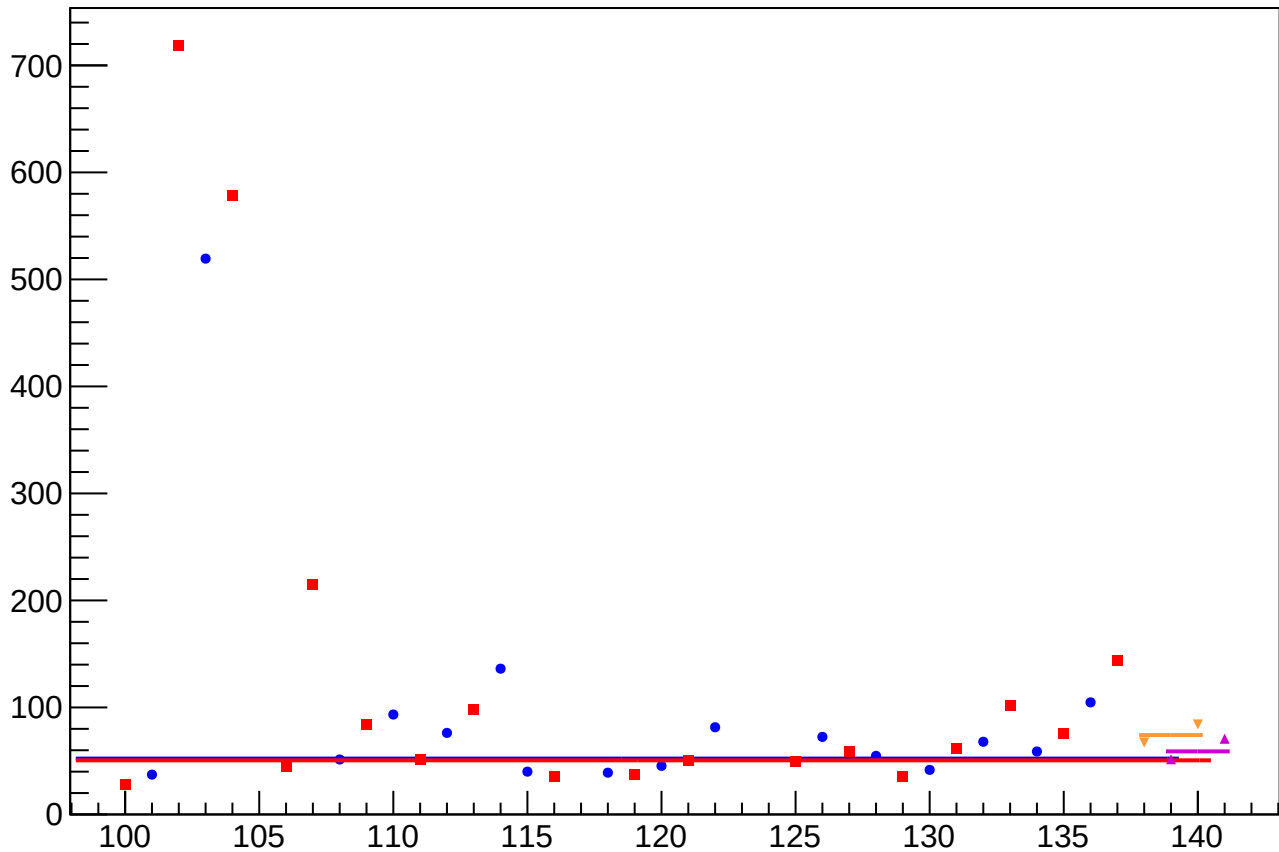
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.009 ± 0.021 χ^2/NDF : 14.7/17

All: -0.001 ± 0.015 χ^2/NDF : 33.4/37

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191 $\pm$ 0.016 χ^2 /NDF: 2266928.1/15

Left Out: 74.199 $\pm$ 0.044 χ^2 /NDF: 35543.7/1

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051379.6/17

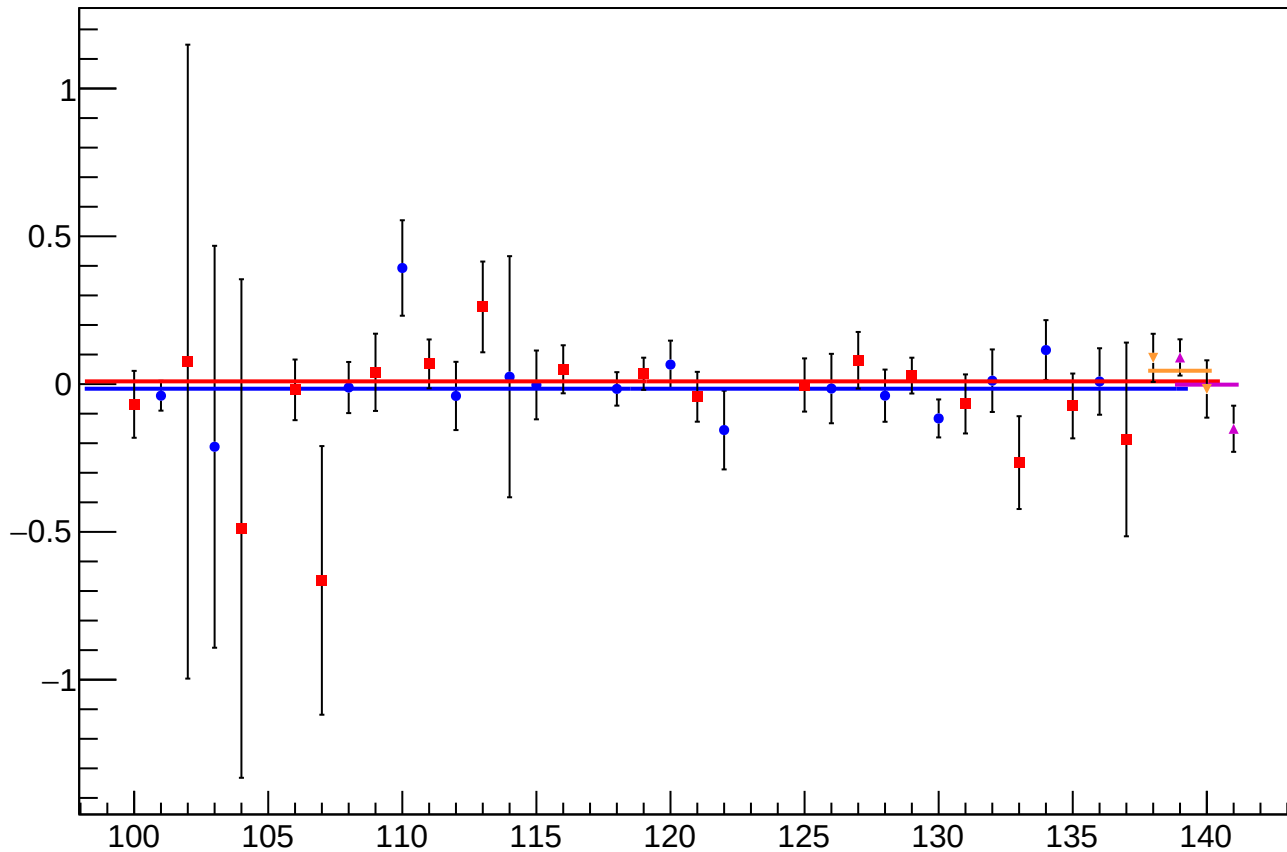
Left In: 58.932 $\pm$ 0.034 χ^2 /NDF: 74358.6/1

+ sign 54.752 $\pm$ 0.015 χ^2 /NDF: 2522404.0/17

All: 53.468 $\pm$ 0.011 χ^2 /NDF: 5711024.7/37

- sign 52.195 $\pm$ 0.015 χ^2 /NDF: 3174123.5/19

asym_usl_atl1_avg_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

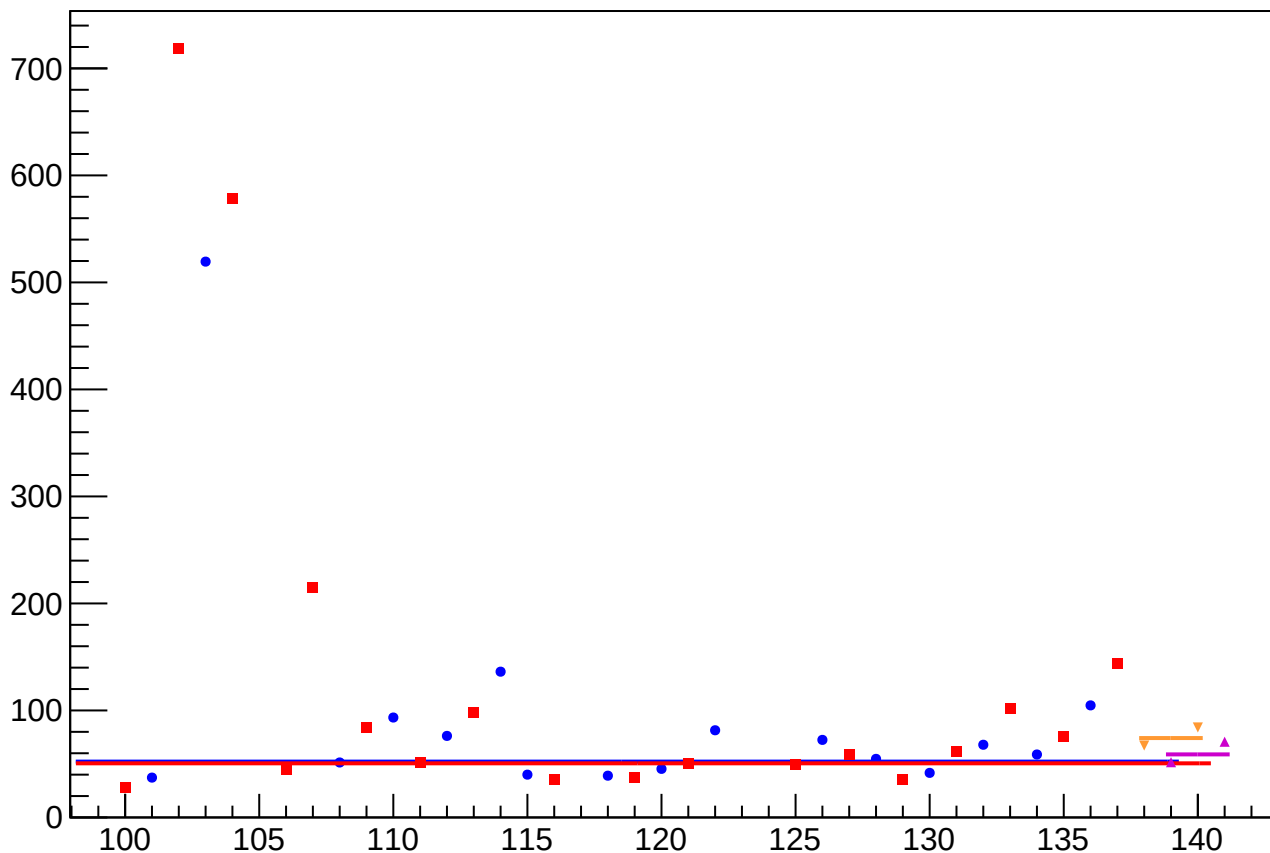
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.009 ± 0.021 χ^2/NDF : 14.7/17

All: -0.001 ± 0.015 χ^2/NDF : 33.4/37

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191 $\pm$ 0.016 χ^2 /NDF: 2266928.1/15

Left Out: 74.199 $\pm$ 0.044 χ^2 /NDF: 35543.7/1

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051379.6/17

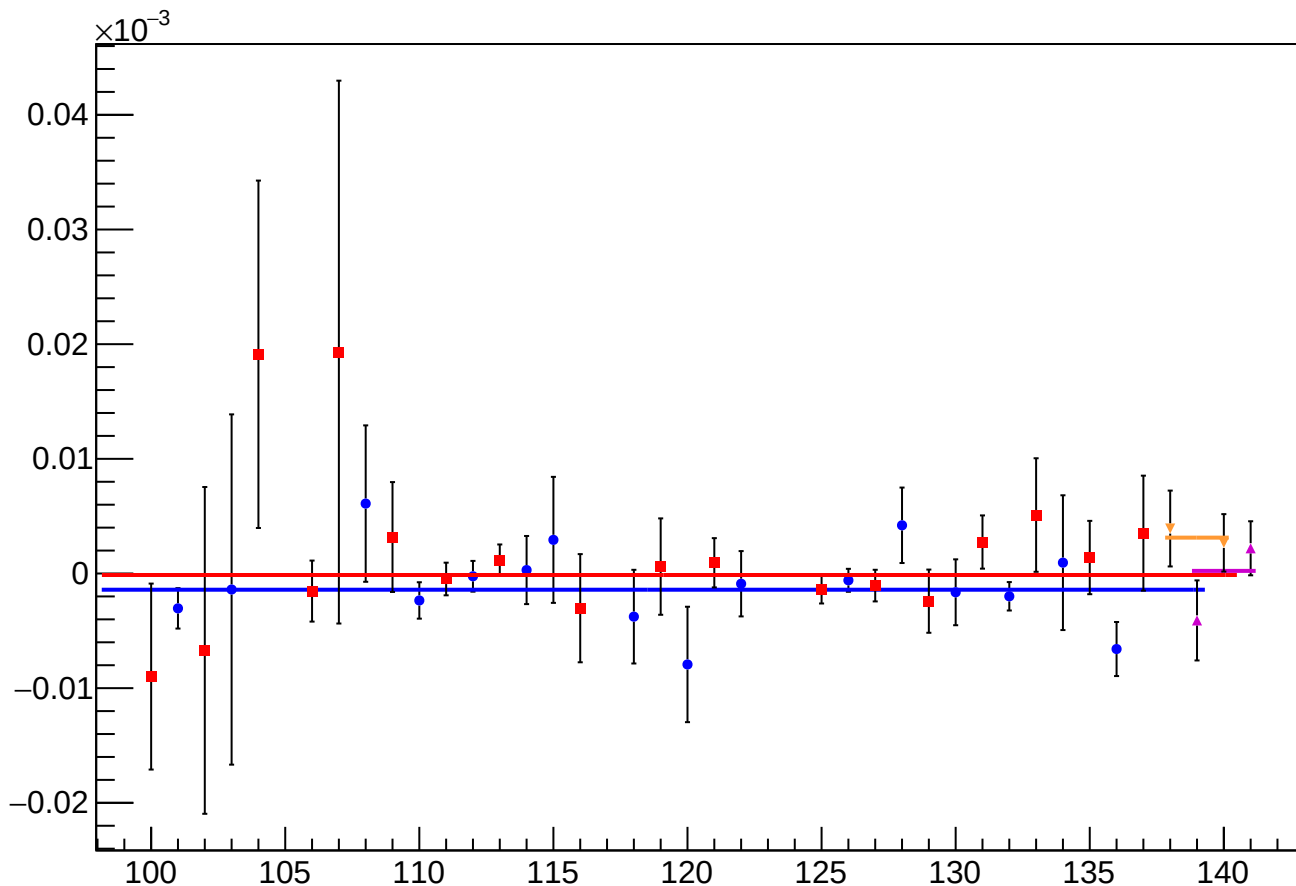
Left In: 58.932 $\pm$ 0.034 χ^2 /NDF: 74358.6/1

+ sign 54.752 $\pm$ 0.015 χ^2 /NDF: 2522404.0/17

All: 53.468 $\pm$ 0.011 χ^2 /NDF: 5711024.7/37

- sign 52.195 $\pm$ 0.015 χ^2 /NDF: 3174123.5/19

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

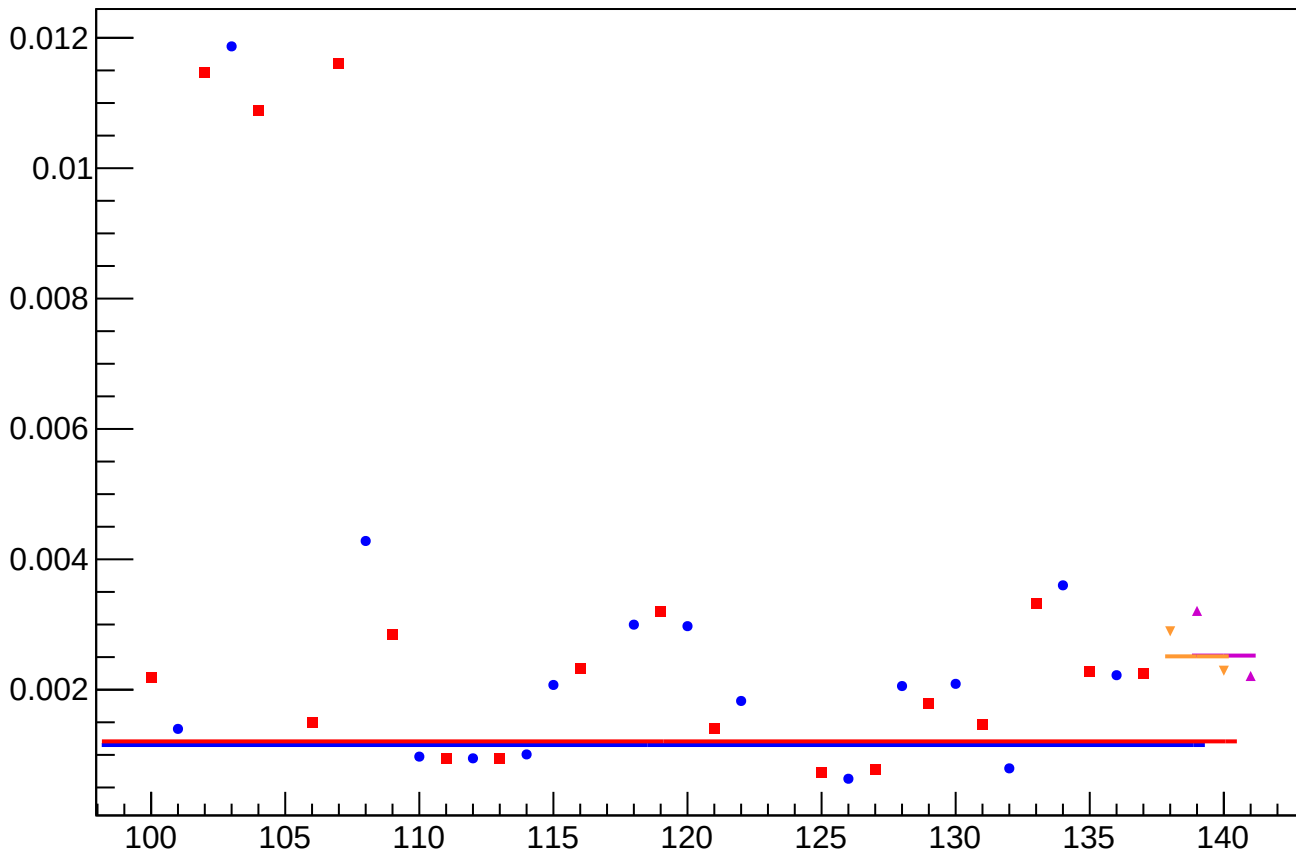
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.9/19

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

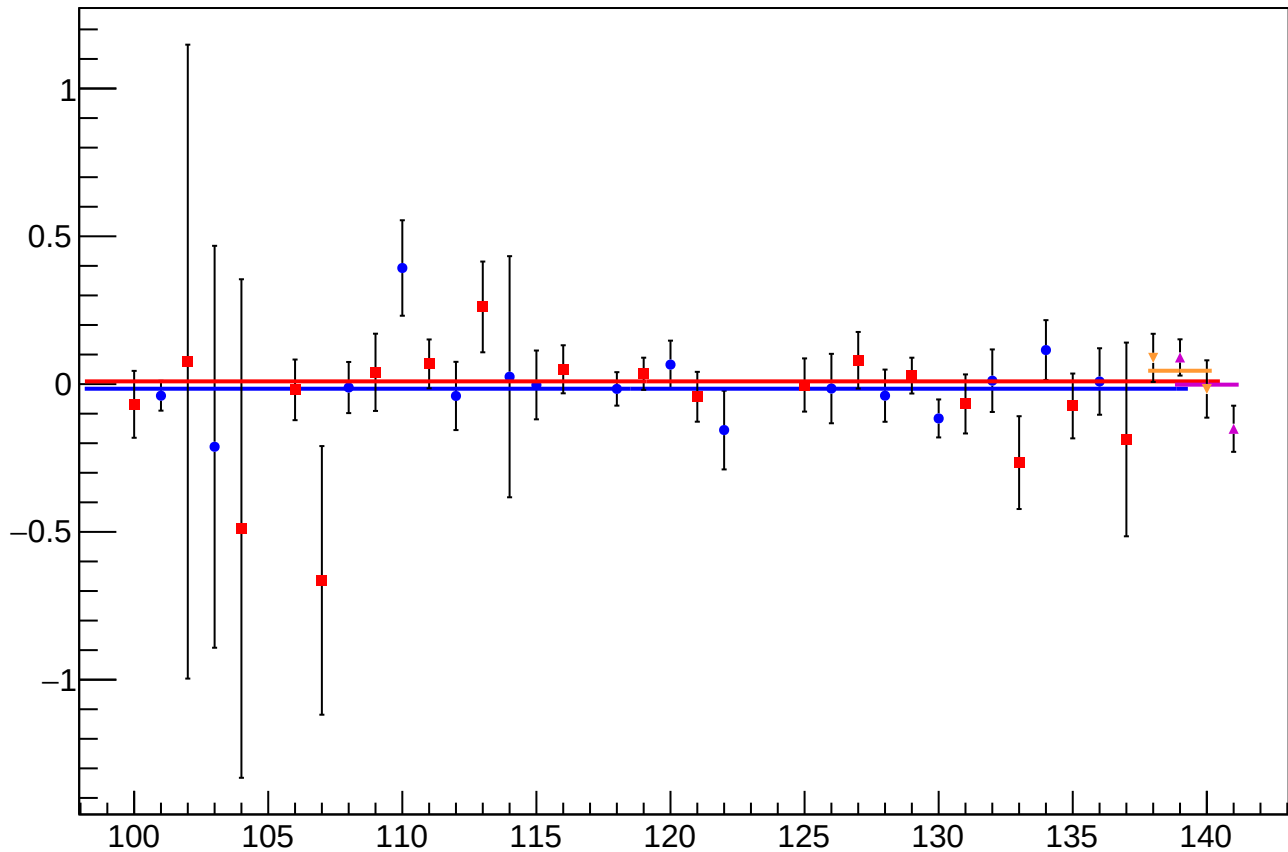
Left In: 0.003+/-0.000 χ^2/NDF : 112371.6/1

+ sign 0.001+/-0.000 χ^2/NDF : 5099755.5/17

All: 0.001+/-0.000 χ^2/NDF : 10591168.5/37

- sign 0.001+/-0.000 χ^2/NDF : 5473562.1/19

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

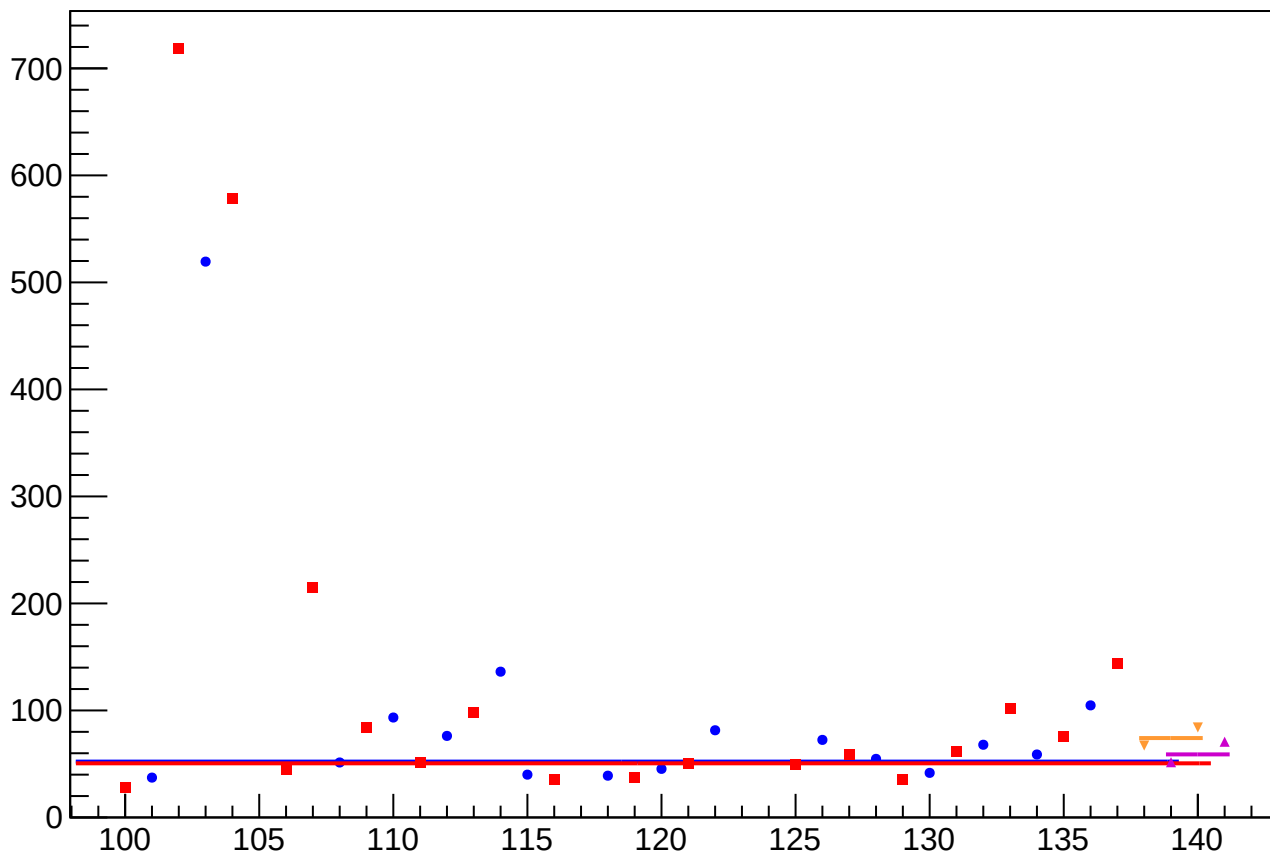
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.009 ± 0.021 χ^2/NDF : 14.7/17

All: -0.001 ± 0.015 χ^2/NDF : 33.4/37

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

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

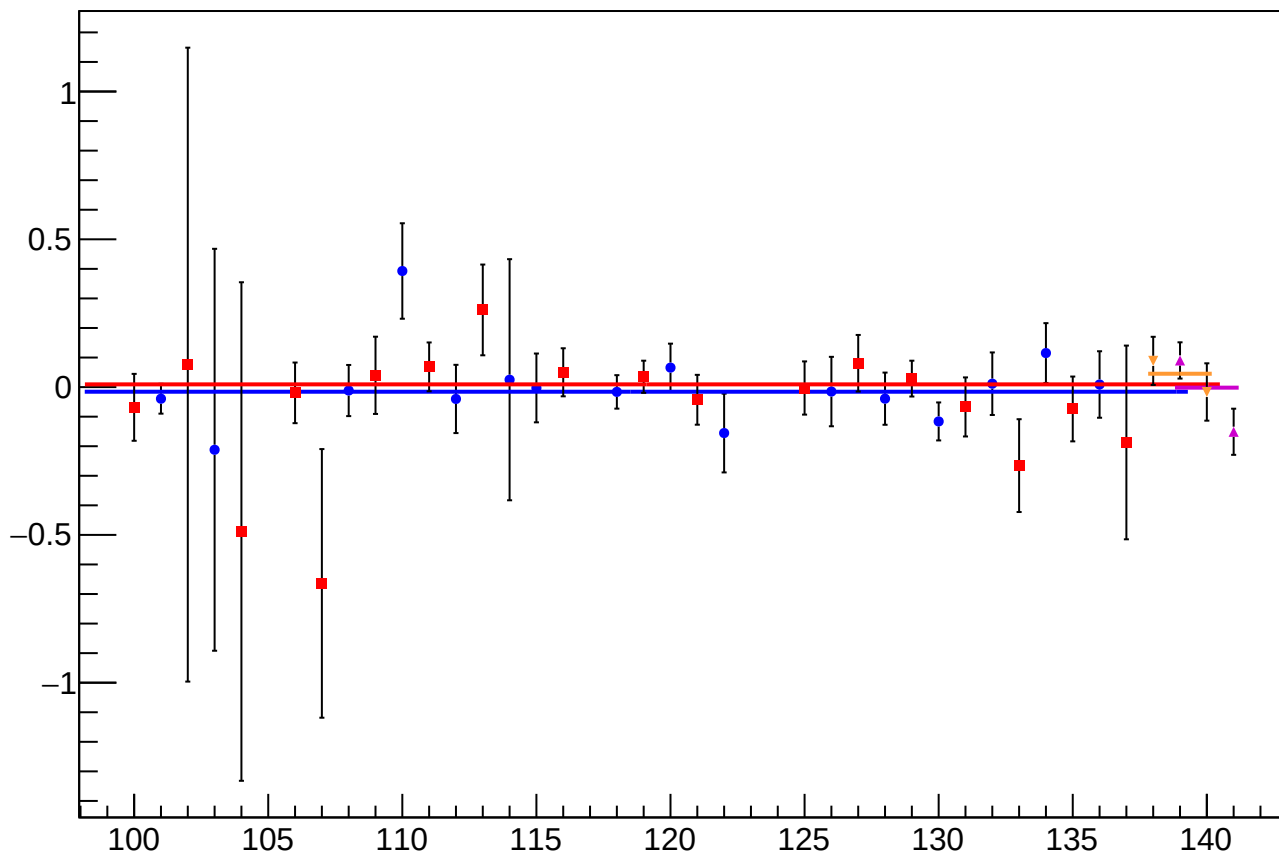
Left In: 58.932 $\pm$ 0.034 χ^2 /NDF: 74358.3/1

+ sign 54.752 $\pm$ 0.015 χ^2 /NDF: 2522393.7/17

All: 53.468 $\pm$ 0.011 χ^2 /NDF: 5711001.2/37

- sign 52.195 $\pm$ 0.015 χ^2 /NDF: 3174109.3/19

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

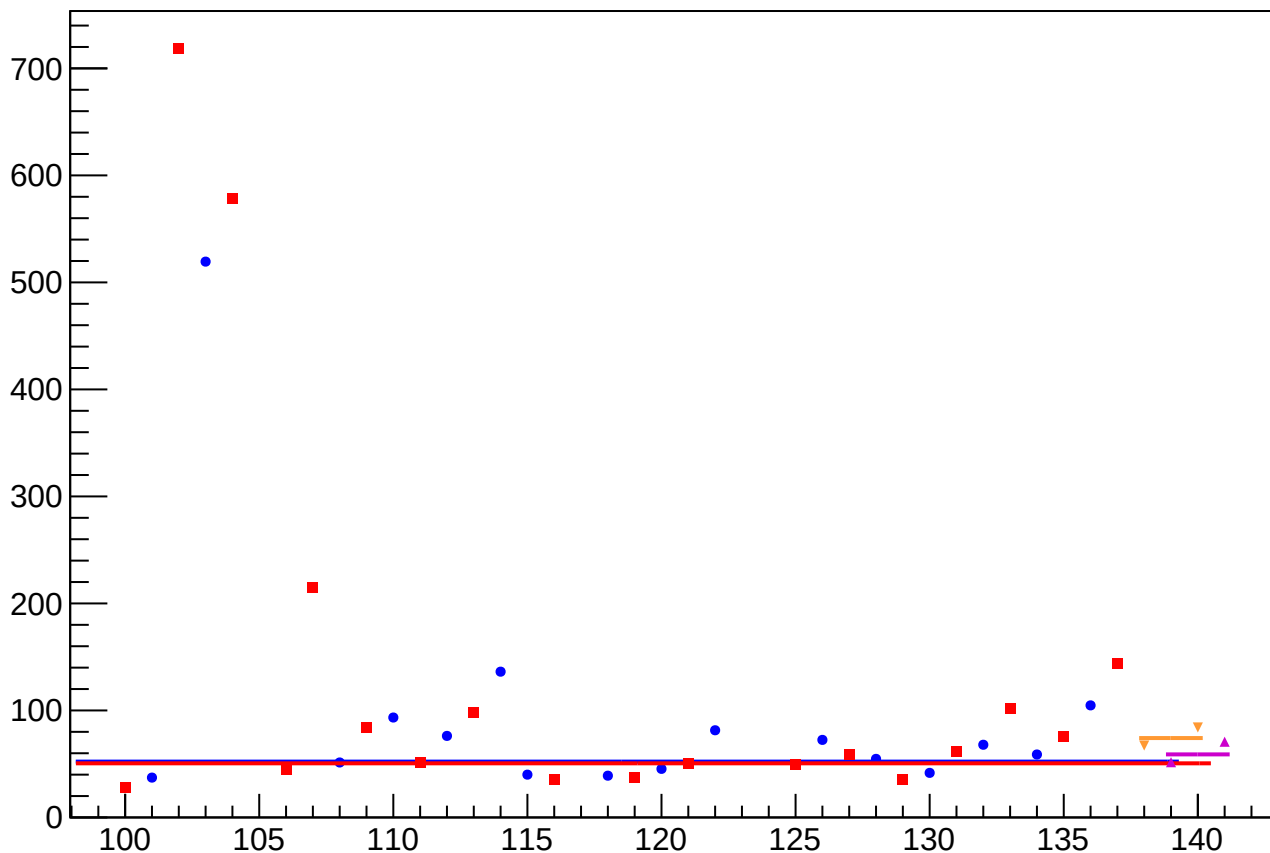
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.009 ± 0.021 χ^2/NDF : 14.7/17

All: -0.001 ± 0.015 χ^2/NDF : 33.4/37

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

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

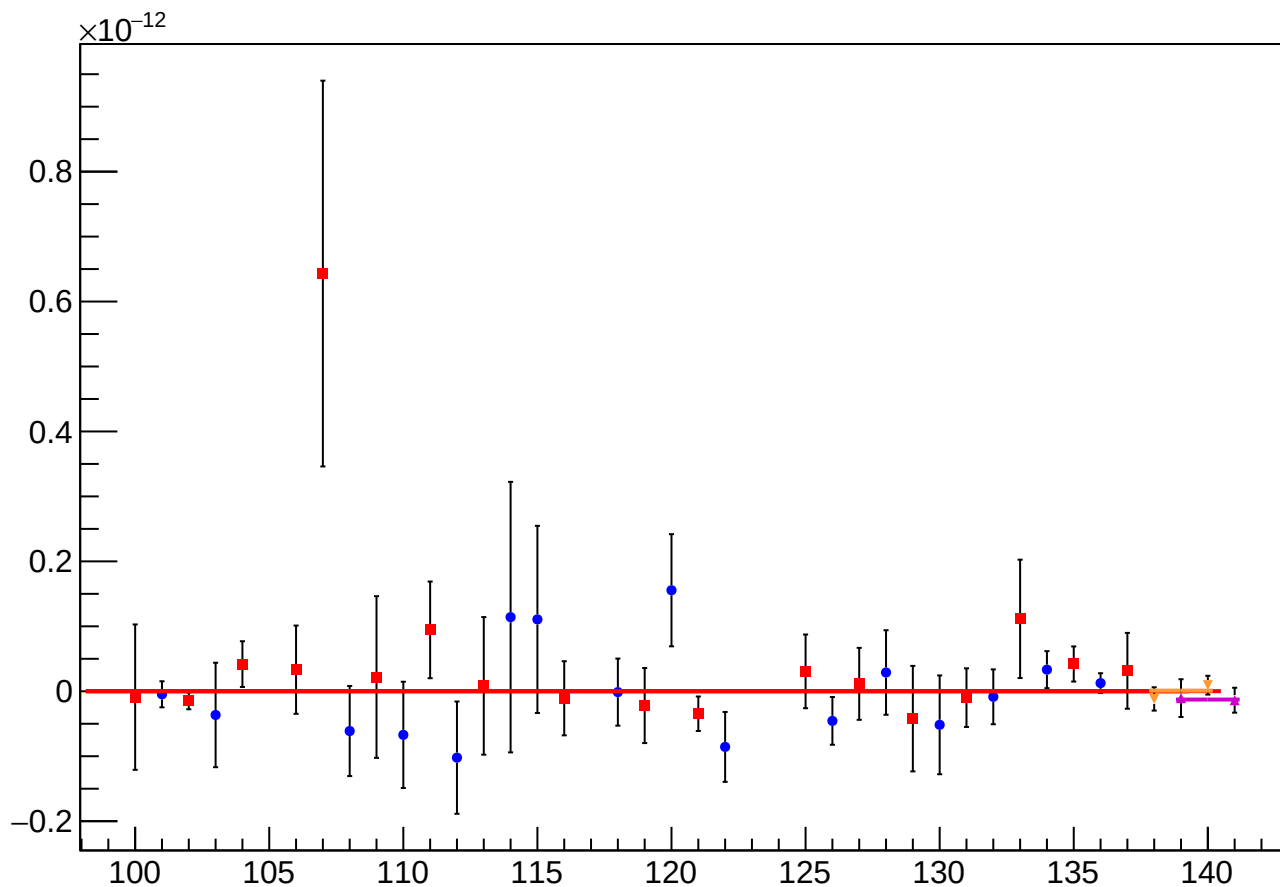
Left In: 58.932 $\pm$ 0.034 χ^2 /NDF: 74358.3/1

+ sign 54.752 $\pm$ 0.015 χ^2 /NDF: 2522393.7/17

All: 53.468 $\pm$ 0.011 χ^2 /NDF: 5711001.2/37

- sign 52.195 $\pm$ 0.015 χ^2 /NDF: 3174109.3/19

asym_usl_atl1_avg_eigen_cor_vs_cor_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 : 0.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 16.0/17

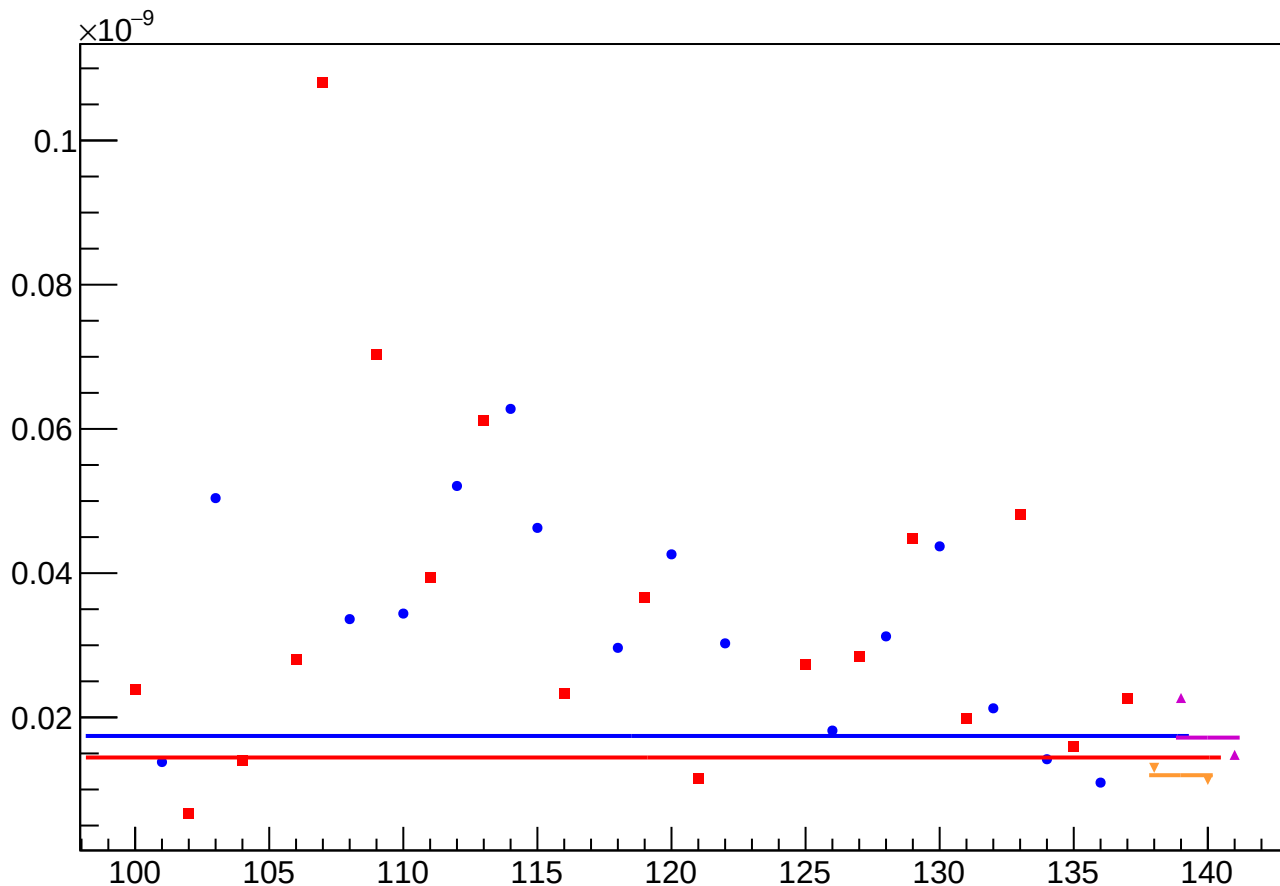
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 14.9/17

All: -0.000+/-0.000 χ^2/NDF : 31.5/37

- sign -0.000+/-0.000 χ^2/NDF : 16.5/19

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2224531.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:10622.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3261103.3/17

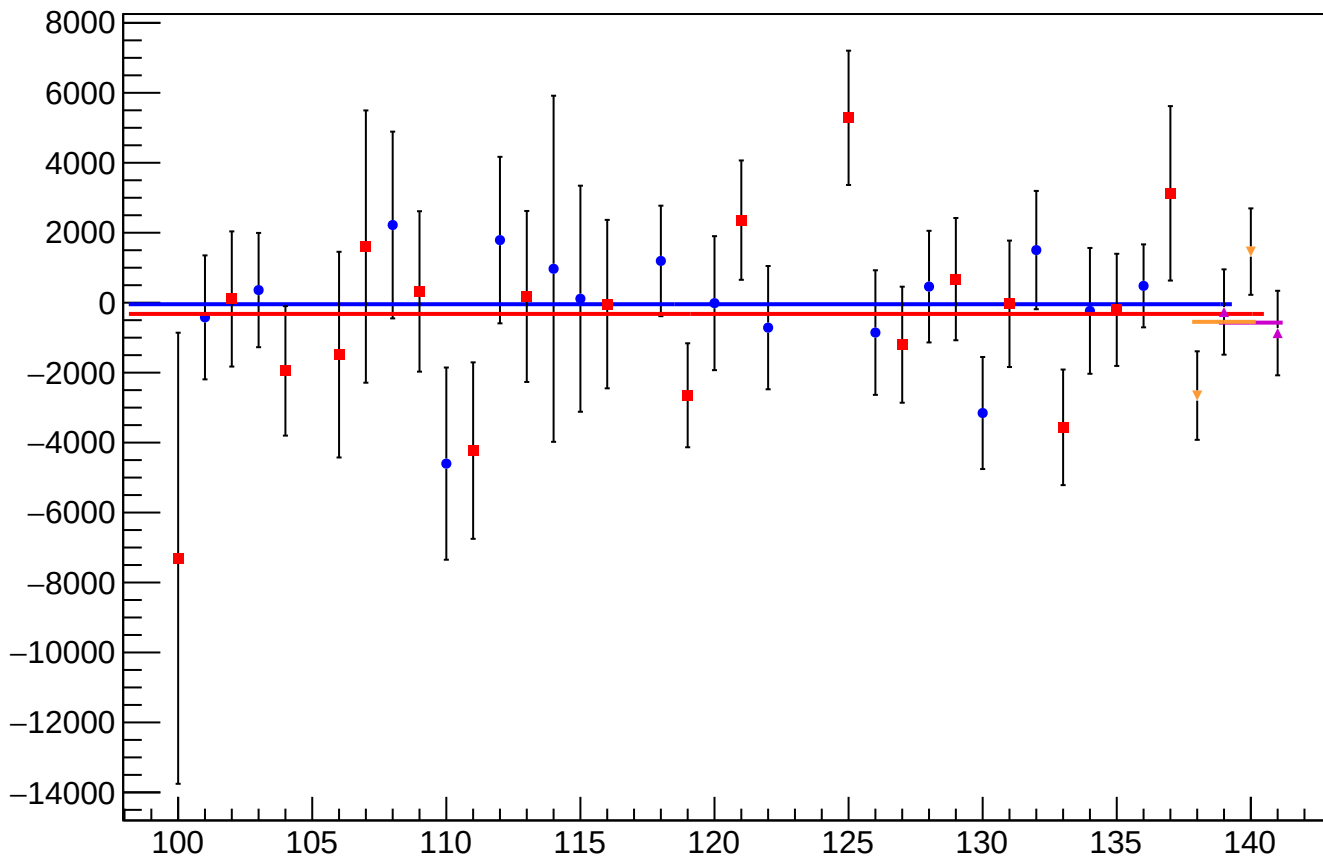
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:102688.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2510735.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5919901.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3409006.9/19

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -547.593 ± 884.216 χ^2/NDF : 5.4/1

Right Out: -321.266 ± 474.939 χ^2/NDF : 24.8/17

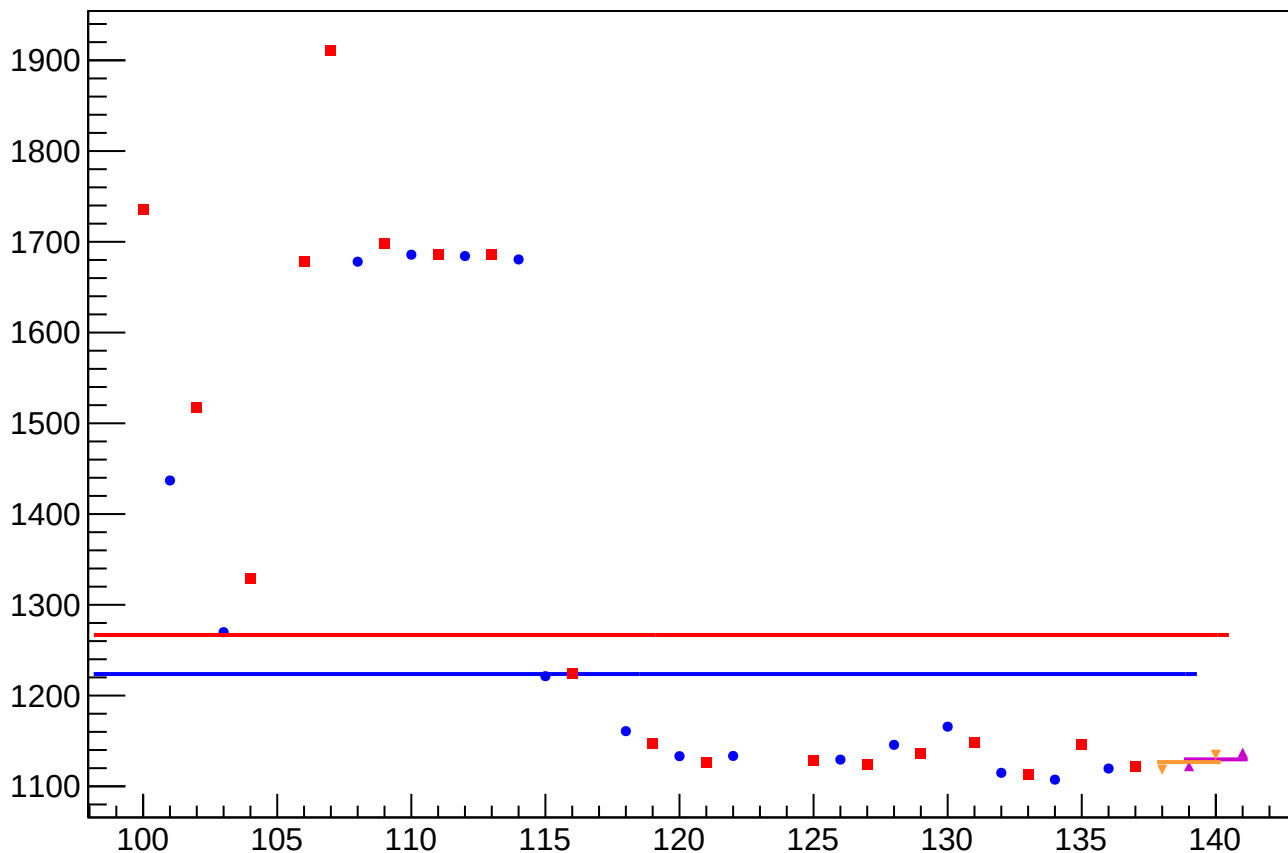
Left In: -570.101 ± 858.507 χ^2/NDF : 0.1/1

+ sign -150.727 ± 407.537 χ^2/NDF : 15.8/17

All: -262.914 ± 290.975 χ^2/NDF : 40.9/37

- sign -379.576 ± 415.584 χ^2/NDF : 25.0/19

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

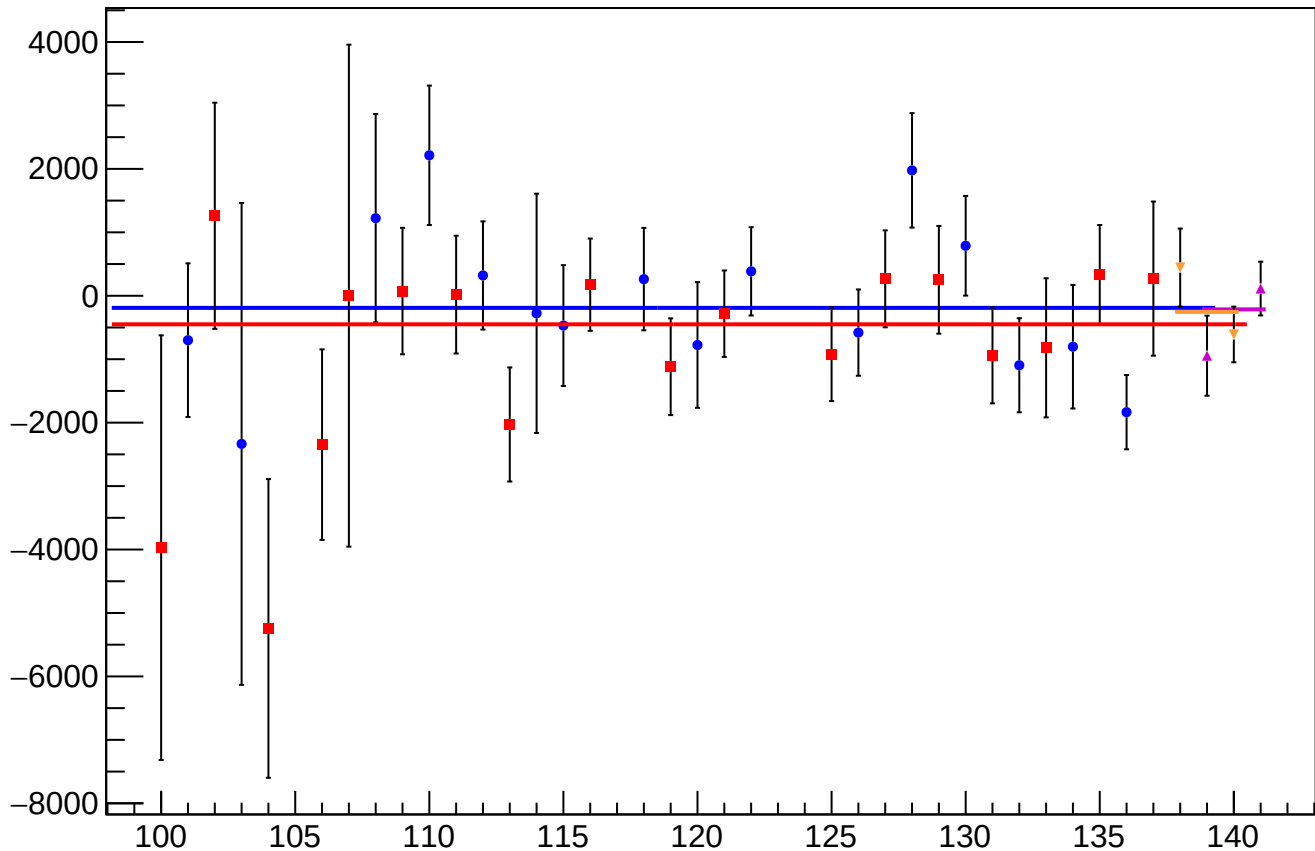
Left In: 1129.711 $\pm$ 0.607 χ^2 /NDF:150.4/1

+ sign 1203.097 $\pm$ 0.288 χ^2 /NDF: 314100.7/17

All: 1218.570 $\pm$ 0.206 χ^2 /NDF: 792013.0/37

- sign 1234.660 $\pm$ 0.294 χ^2 /NDF: 472031.2/19

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634 ± 222.869 χ^2/NDF : 25.2/15

Left Out: -254.491 ± 357.174 χ^2/NDF : 1.9/1

Right Out: -449.847 ± 223.203 χ^2/NDF : 16.8/17

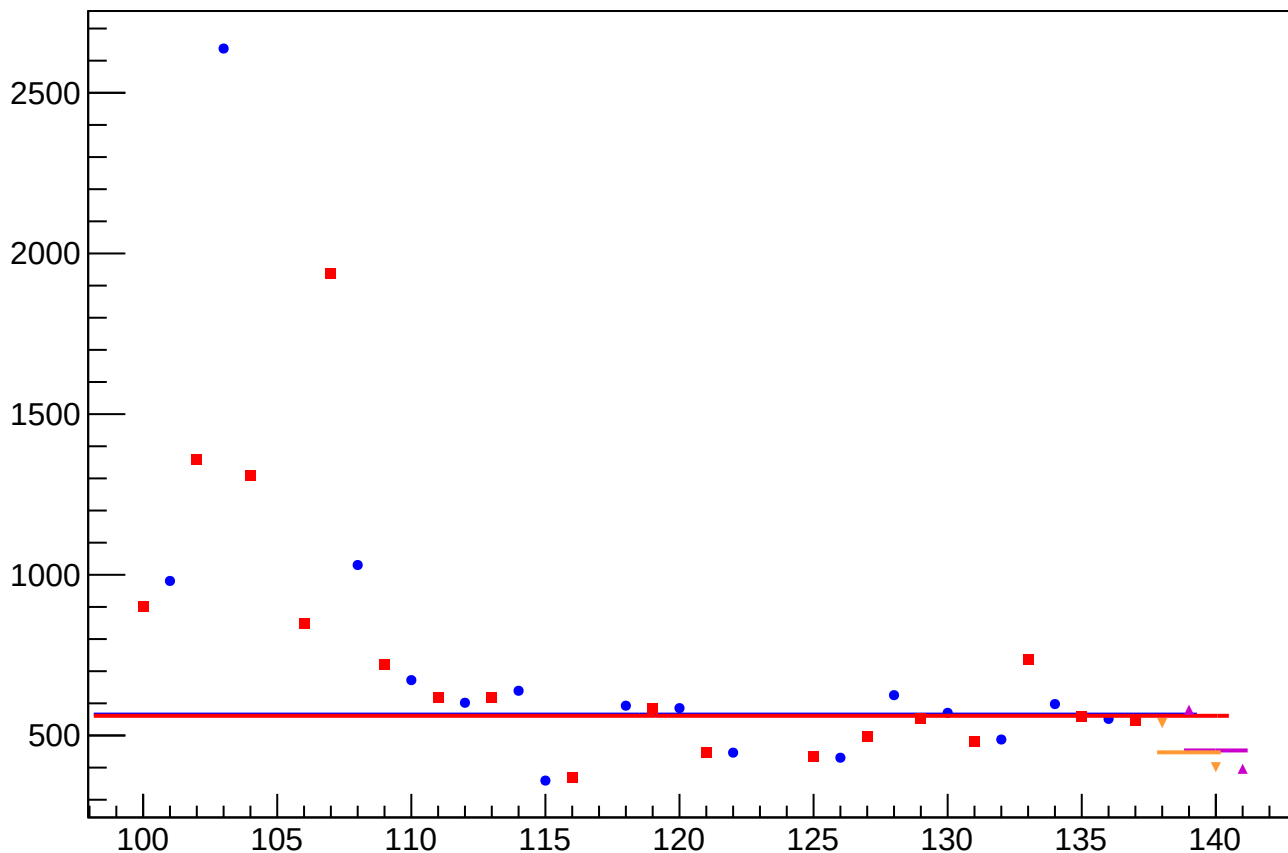
Left In: -214.492 ± 351.549 χ^2/NDF : 1.9/1

+ sign -208.530 ± 189.079 χ^2/NDF : 27.2/17

All: -295.678 ± 133.470 χ^2/NDF : 46.7/37

- sign -382.230 ± 188.431 χ^2/NDF : 19.1/19

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

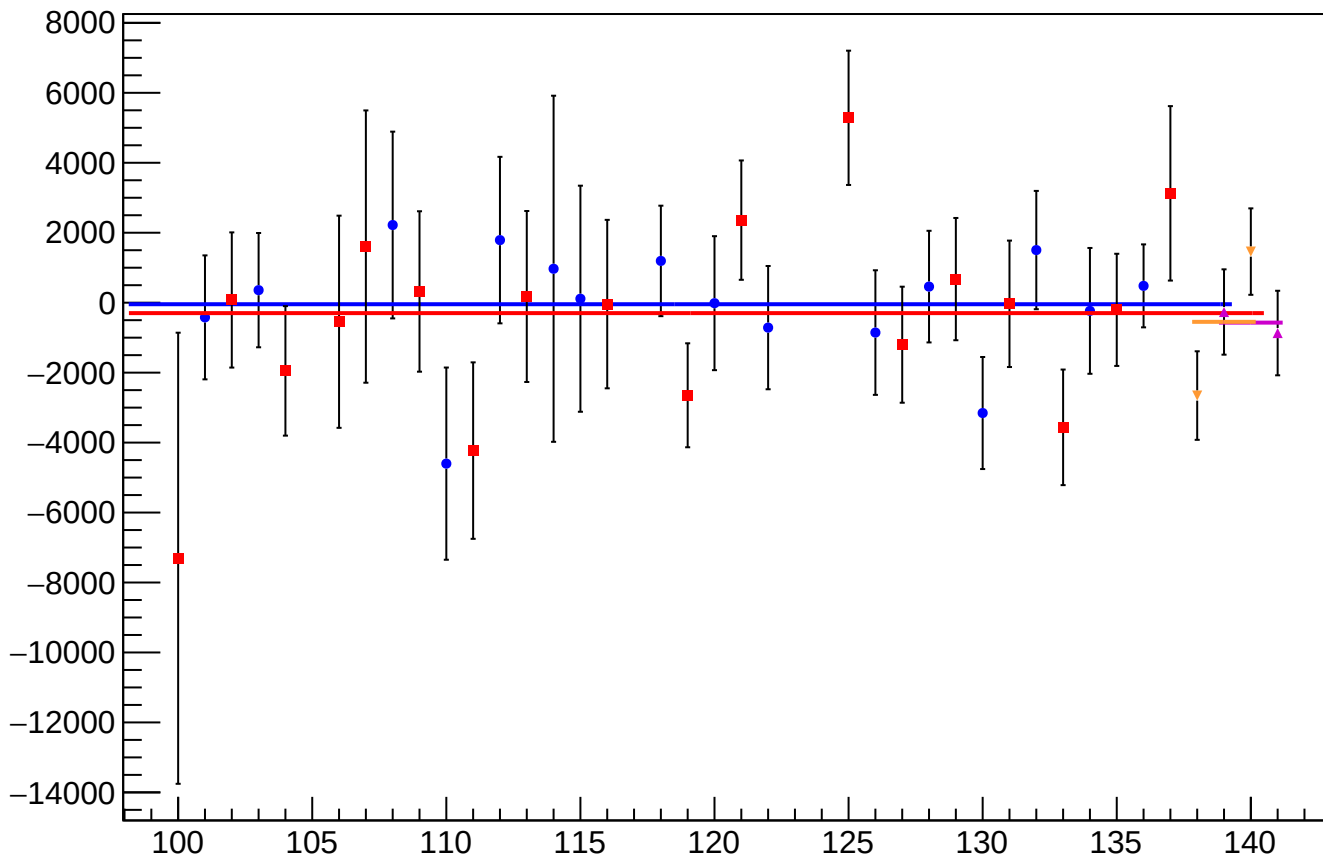
Left In: 453.383 $\pm$ 0.249 χ^2 /NDF: 116939.2/1

+ sign 532.044 $\pm$ 0.134 χ^2 /NDF: 1506220.4/17

All: 531.146 $\pm$ 0.094 χ^2 /NDF: 3109669.8/37

- sign 530.255 $\pm$ 0.133 χ^2 /NDF: 1603359.6/19

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -547.521 ± 884.216 χ^2/NDF : 5.4/1

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

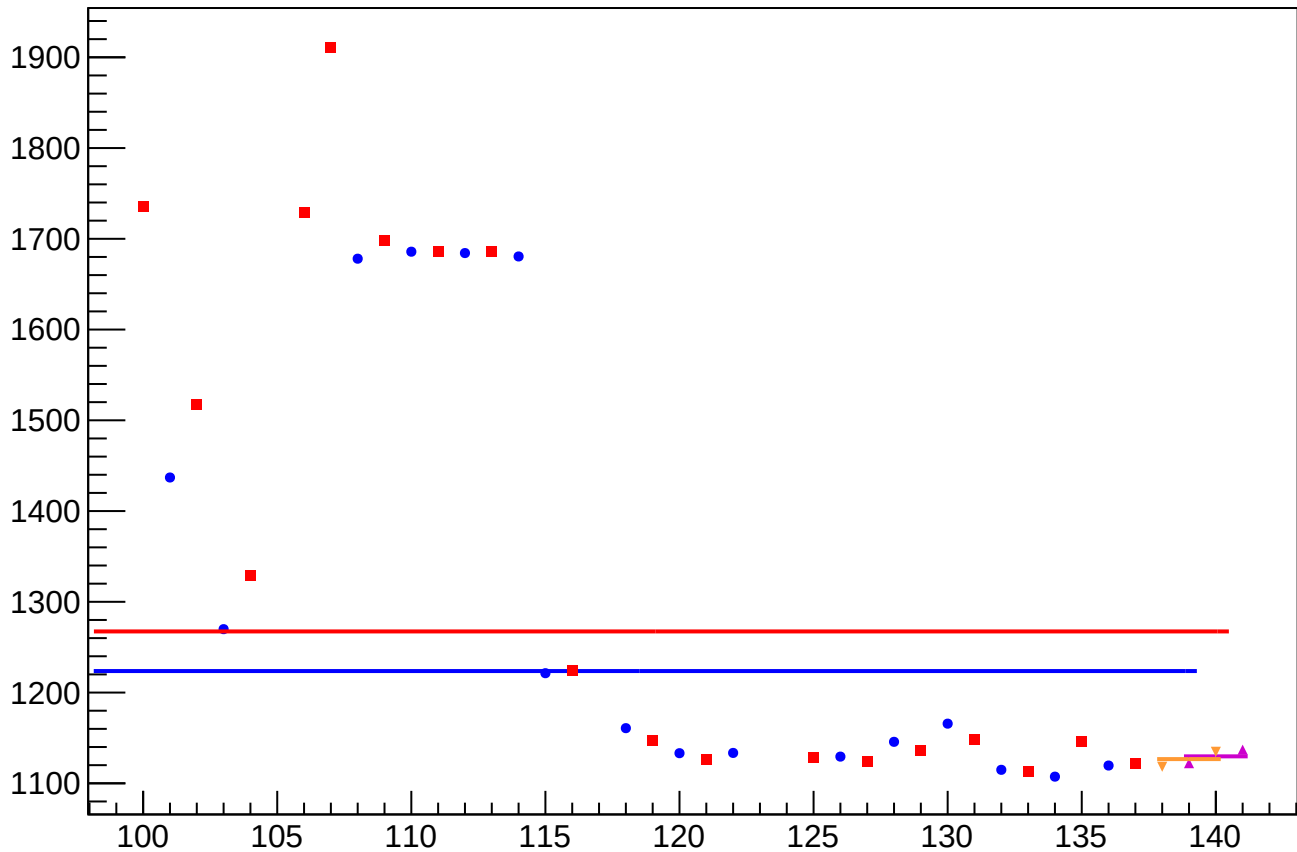
Left In: -569.851 ± 858.507 χ^2/NDF : 0.1/1

+ sign -150.902 ± 407.537 χ^2/NDF : 15.8/17

All: -254.294 ± 291.062 χ^2/NDF : 40.7/37

- sign -361.939 ± 415.835 χ^2/NDF : 24.8/19

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

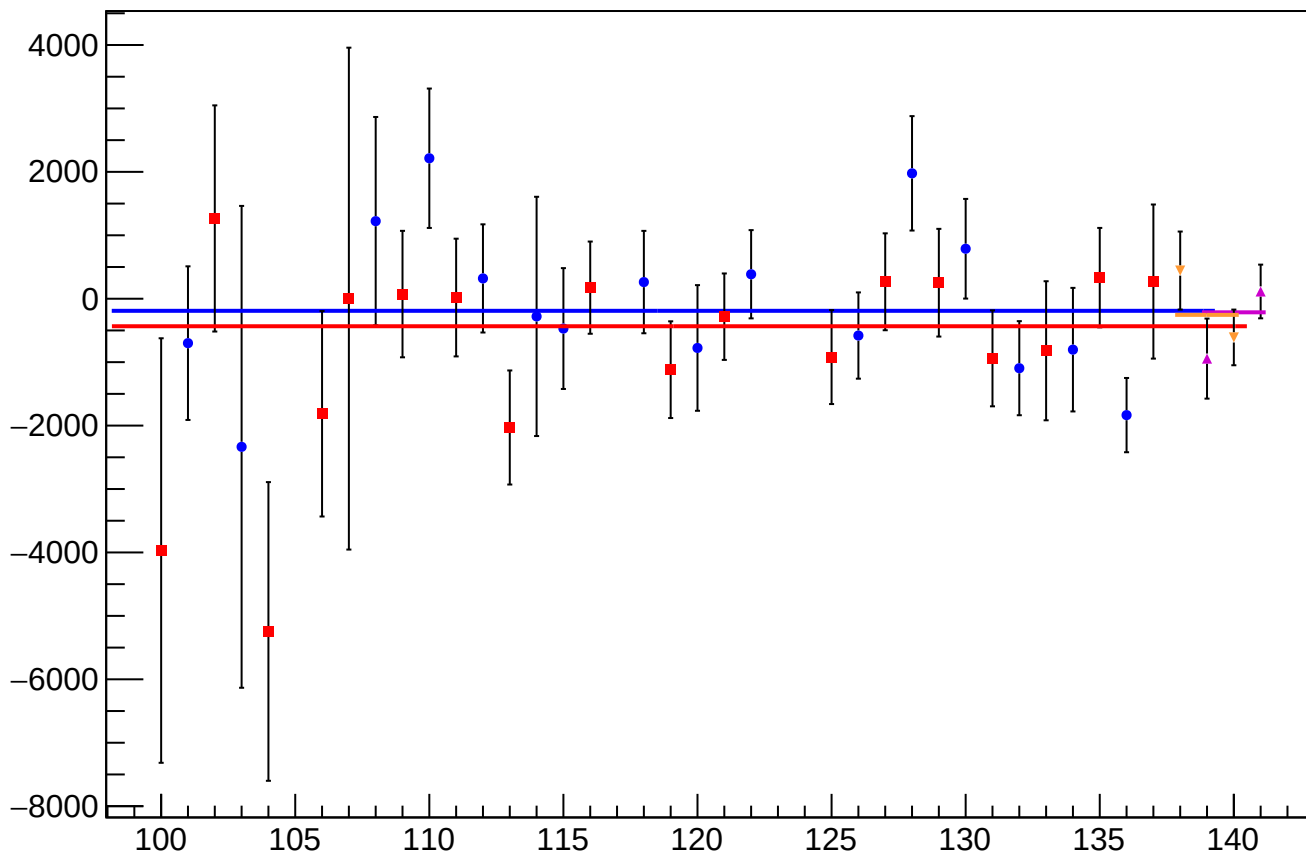
Left In: 1129.711 $\pm$ 0.607 χ^2 /NDF:150.4/1

+ sign 1203.097 $\pm$ 0.288 χ^2 /NDF: 314100.8/17

All: 1218.760 $\pm$ 0.206 χ^2 /NDF: 799617.6/37

- sign 1235.068 $\pm$ 0.294 χ^2 /NDF: 479486.6/19

asym_usl_atl1_dd_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

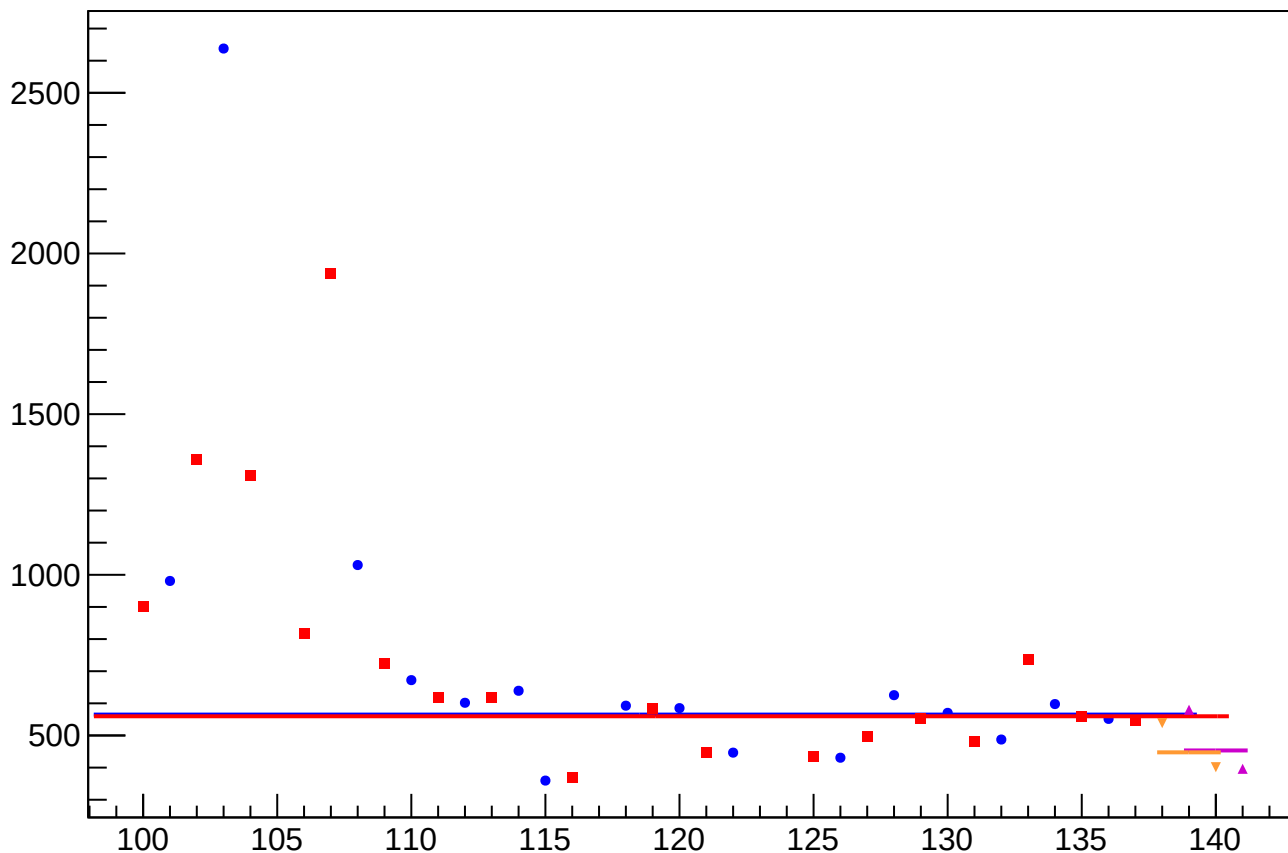
Left In: -214.308 $\pm$ 351.549 χ^2/NDF : 1.9/1

+ sign -208.531 $\pm$ 189.078 χ^2/NDF : 27.2/17

All: -289.783 $\pm$ 133.543 χ^2/NDF : 45.7/37

- sign -370.657 $\pm$ 188.638 χ^2/NDF : 18.2/19

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF : 1284455.7/15

Left Out: 447.507+/-0.253 χ^2/NDF : 66062.5/1

Right Out: 559.758+/-0.158 χ^2/NDF : 1329357.2/17

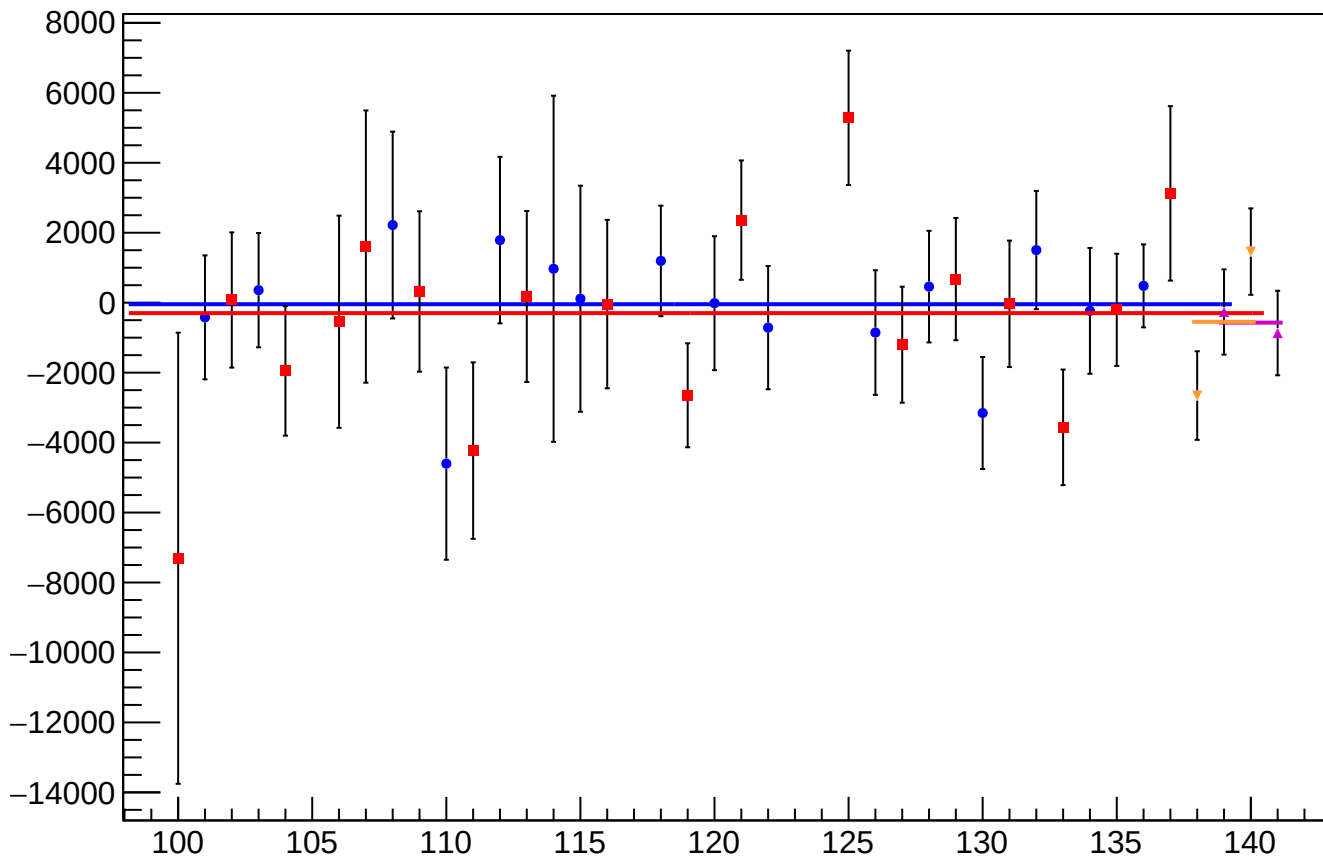
Left In: 453.383+/-0.249 χ^2/NDF : 116935.3/1

+ sign 532.041+/-0.134 χ^2/NDF : 1506168.3/17

All: 530.582+/-0.094 χ^2/NDF : 3083092.2/37

- sign 529.129+/-0.133 χ^2/NDF : 1576686.1/19

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 $\pm$ 459.222 χ^2 /NDF: 10.1/15

Left Out: -547.521 $\pm$ 884.216 χ^2 /NDF:5.4/1

Right Out: -298.207 $\pm$ 475.315 χ^2 /NDF: 24.6/17

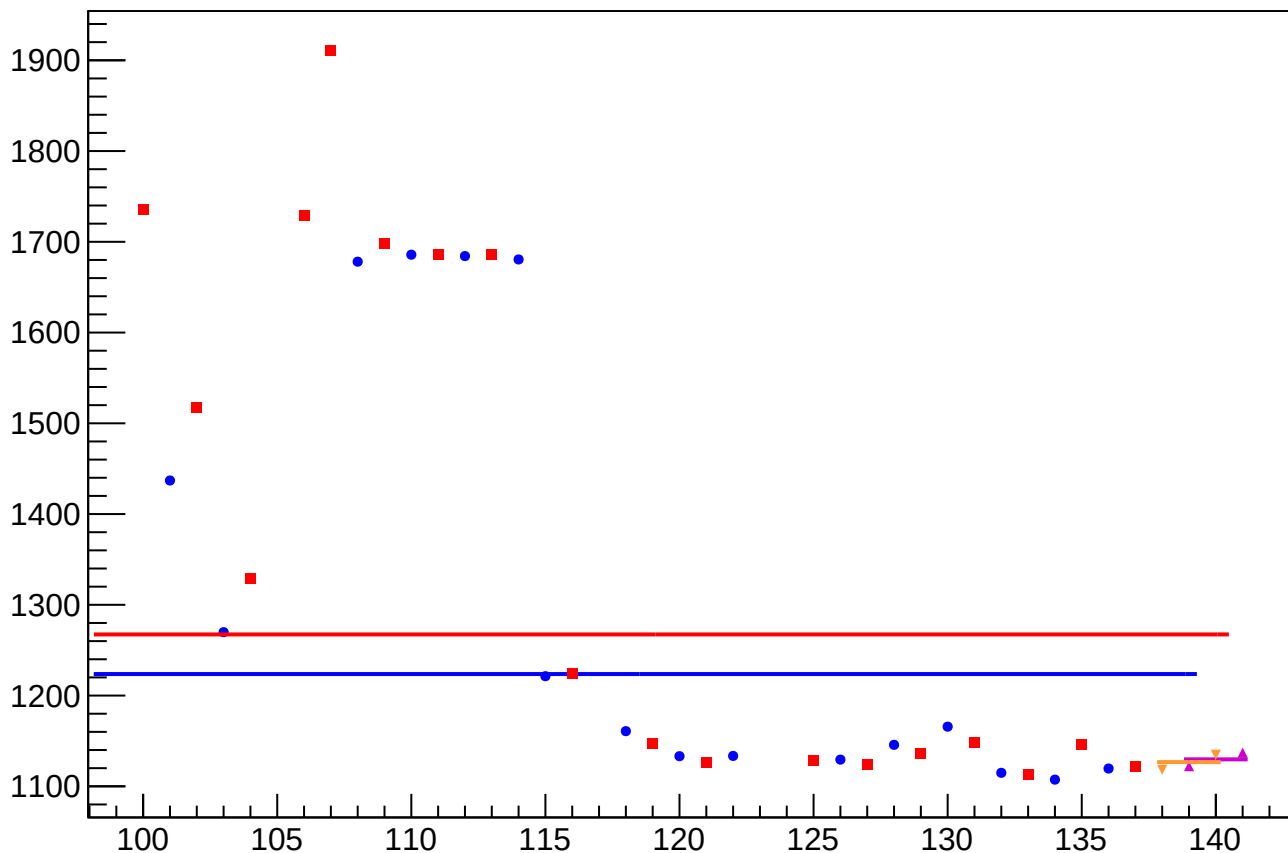
Left In: -569.851 $\pm$ 858.507 χ^2 /NDF:0.1/1

+ sign -150.902 $\pm$ 407.537 χ^2 /NDF: 15.8/17

All: -254.294 $\pm$ 291.062 χ^2 /NDF: 40.7/37

- sign -361.939 $\pm$ 415.835 χ^2 /NDF: 24.8/19

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

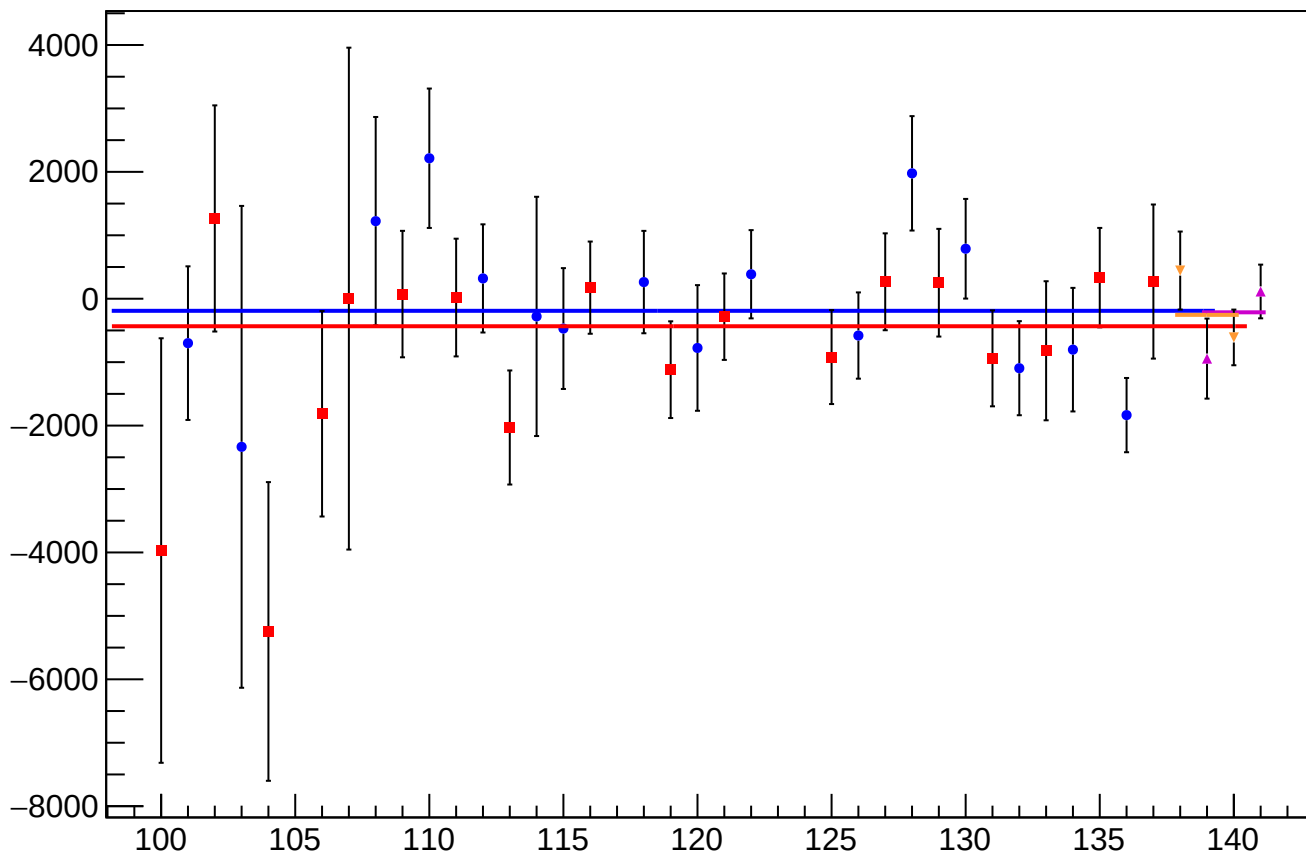
Left In: 1129.711 $\pm$ 0.607 χ^2 /NDF:150.4/1

+ sign 1203.097 $\pm$ 0.288 χ^2 /NDF: 314100.8/17

All: 1218.760 $\pm$ 0.206 χ^2 /NDF: 799617.6/37

- sign 1235.068 $\pm$ 0.294 χ^2 /NDF: 479486.6/19

asym_usl_atl1_dd_eigen_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

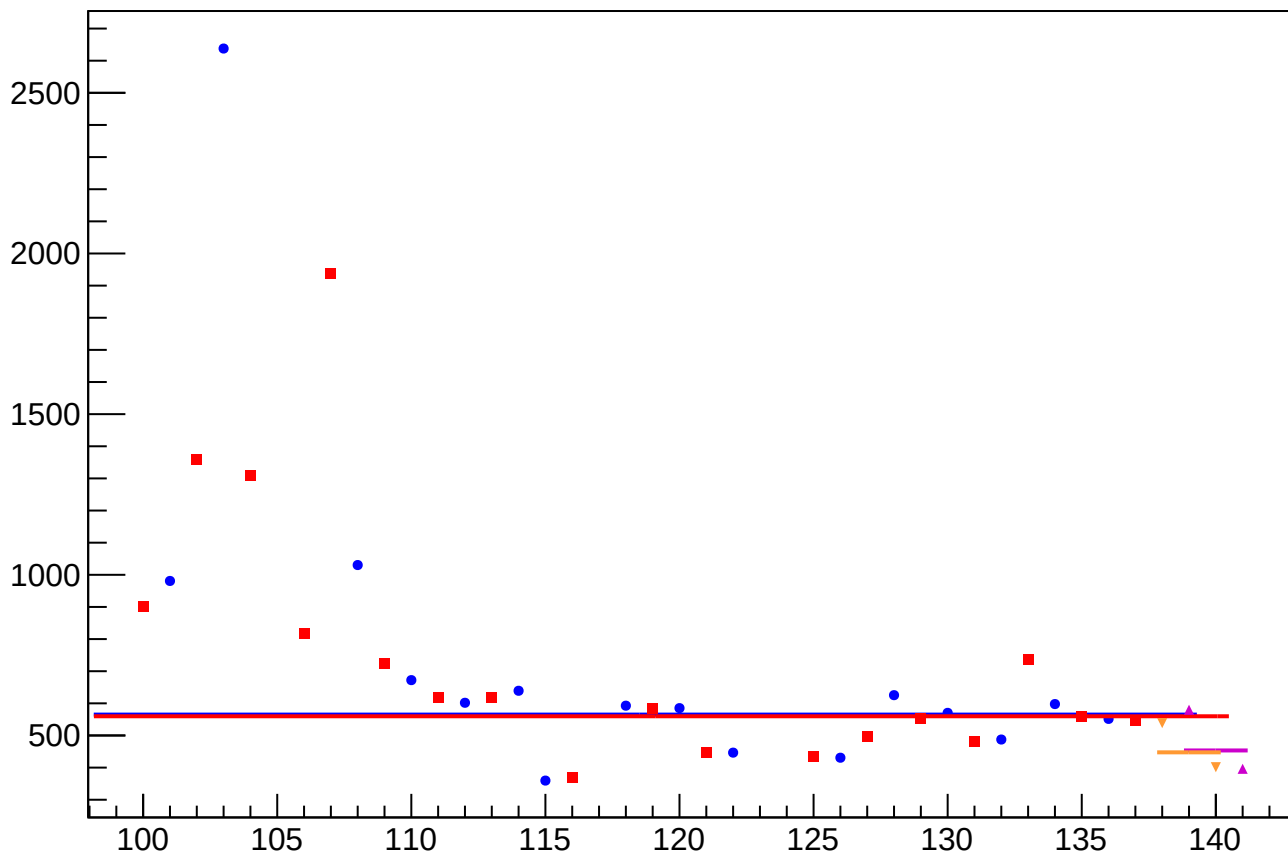
Left In: -214.308 ± 351.549 χ^2/NDF : 1.9/1

+ sign -208.531 ± 189.078 χ^2/NDF : 27.2/17

All: -289.783 ± 133.543 χ^2/NDF : 45.7/37

- sign -370.657 ± 188.638 χ^2/NDF : 18.2/19

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

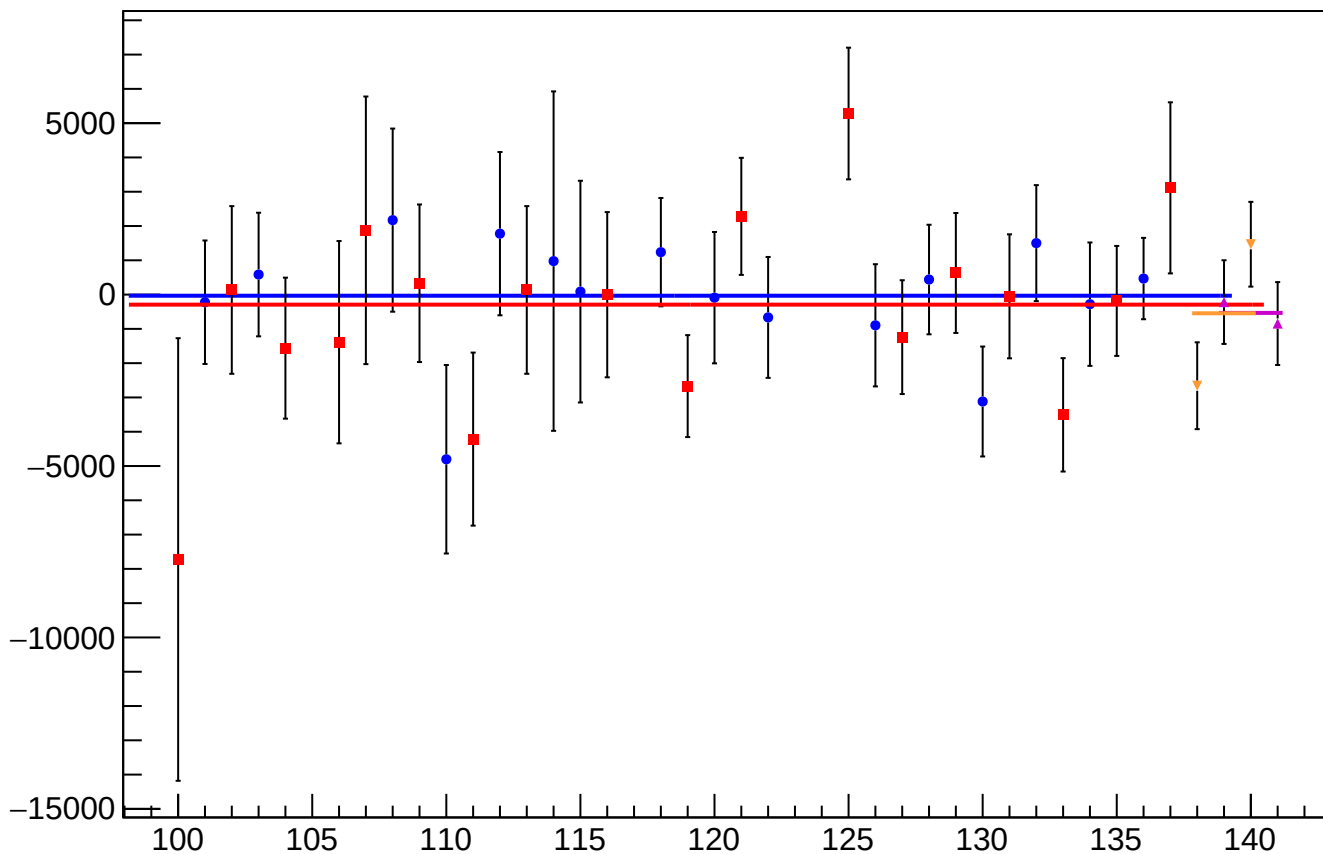
Left In: 453.383 $\pm$ 0.249 χ^2 /NDF: 116935.3/1

+ sign 532.041 $\pm$ 0.134 χ^2 /NDF: 1506168.3/17

All: 530.582 $\pm$ 0.094 χ^2 /NDF: 3083092.2/37

- sign 529.129 $\pm$ 0.133 χ^2 /NDF: 1576686.1/19

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -545.429 ± 884.669 χ^2/NDF : 5.4/1

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

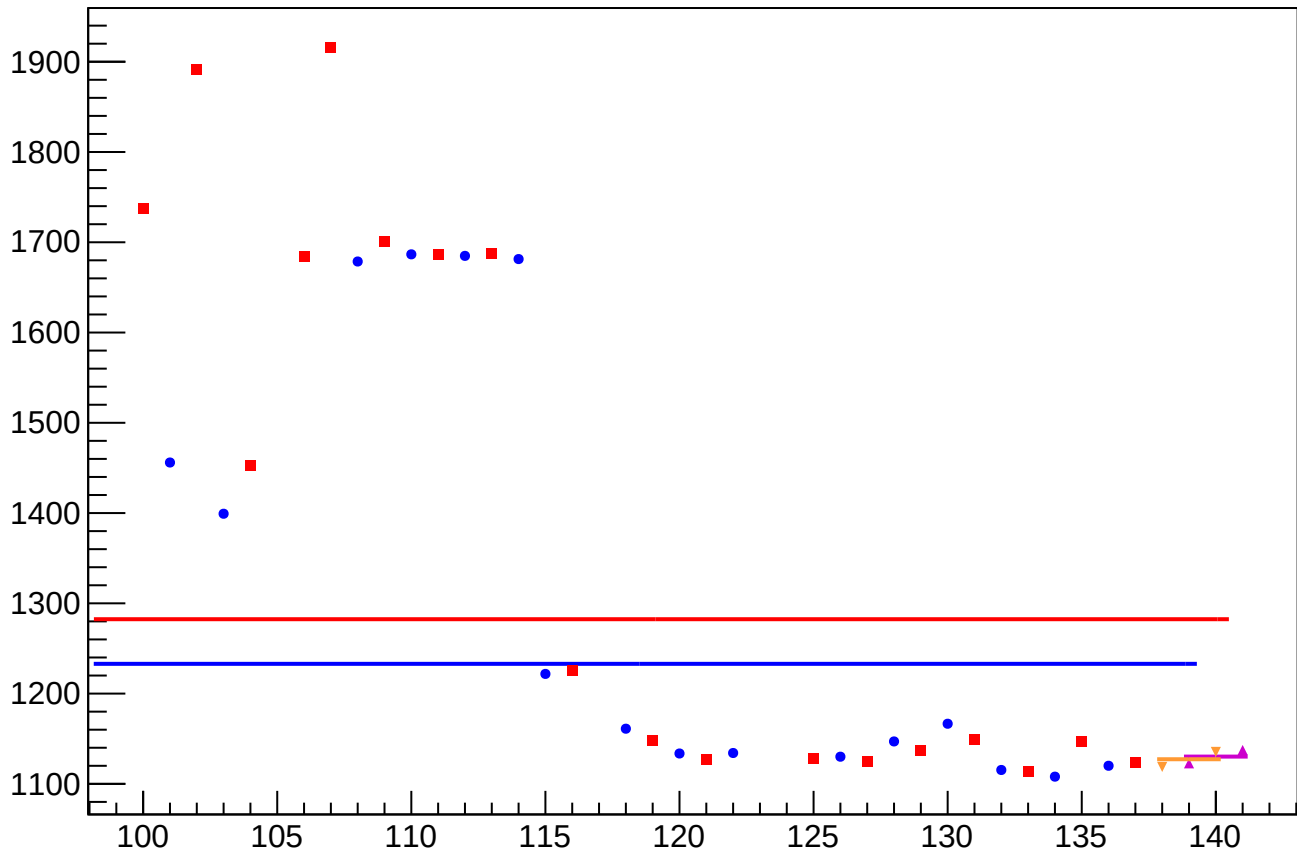
Left In: -534.506 ± 858.886 χ^2/NDF : 0.1/1

+ sign -143.308 ± 410.366 χ^2/NDF : 16.0/17

All: -244.591 ± 294.047 χ^2/NDF : 40.5/37

- sign -351.470 ± 421.551 χ^2/NDF : 24.4/19

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF : 315470.6/15

Left Out: 1127.270+/-0.626 χ^2/NDF : 177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF : 543403.8/17

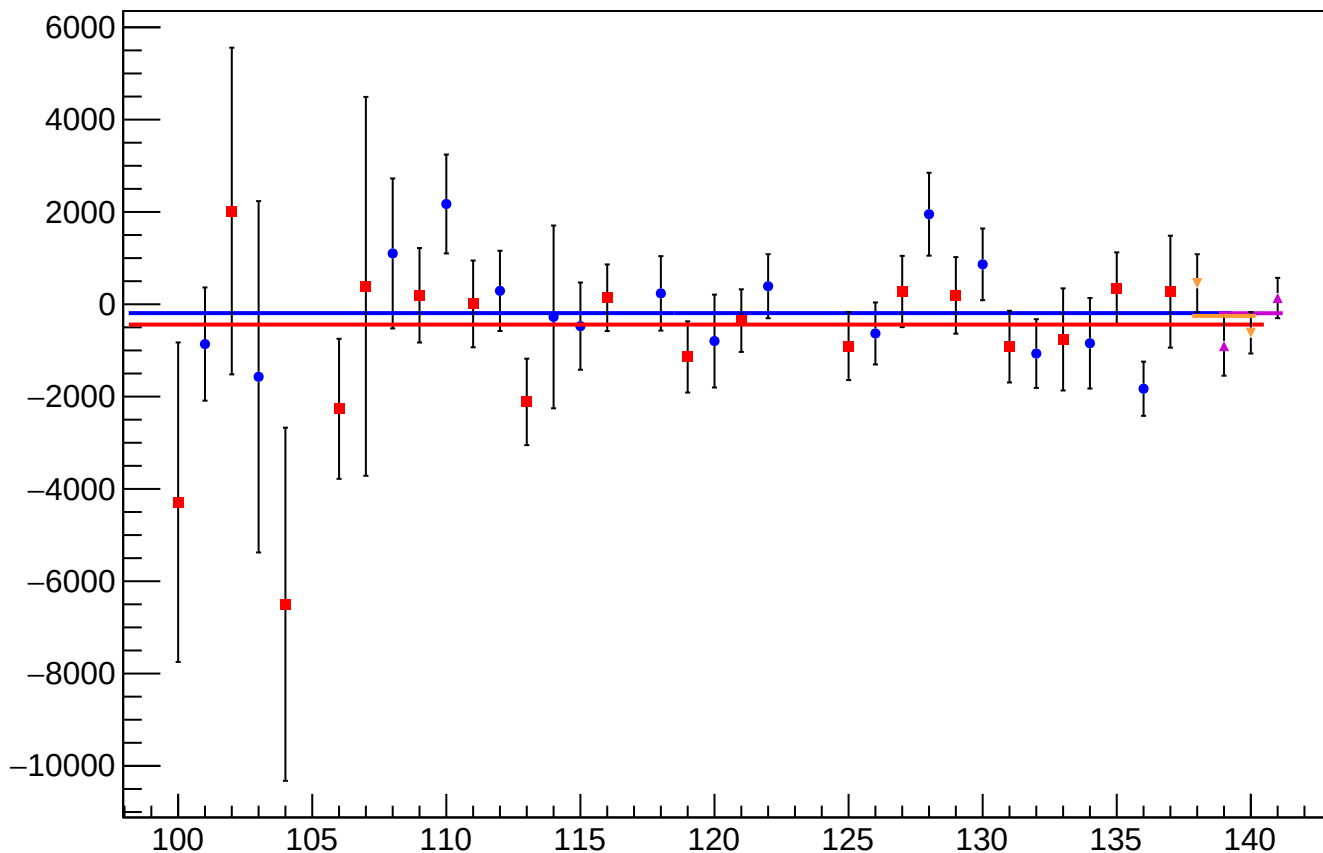
Left In: 1130.209+/-0.607 χ^2/NDF : 148.4/1

+ sign 1210.223+/-0.290 χ^2/NDF : 338052.9/17

All: 1227.505+/-0.208 χ^2/NDF : 936569.7/37

- sign 1245.743+/-0.298 χ^2/NDF : 591226.0/19

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528 ± 222.764 χ^2/NDF : 25.3/15

Left Out: -252.799 ± 365.575 χ^2/NDF : 1.9/1

Right Out: -439.610 ± 226.600 χ^2/NDF : 14.6/17

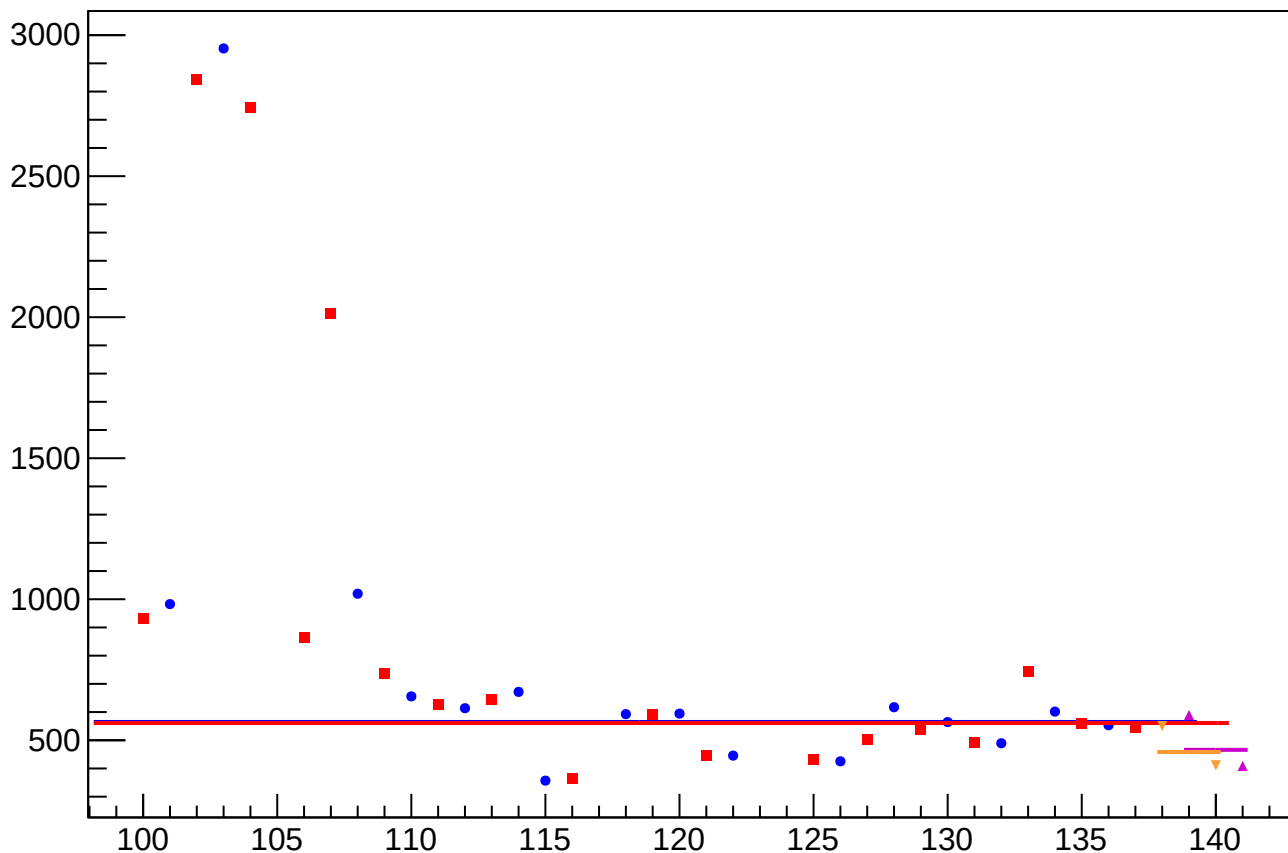
Left In: -194.194 ± 360.728 χ^2/NDF : 1.8/1

+ sign -208.118 ± 190.229 χ^2/NDF : 27.2/17

All: -288.442 ± 135.093 χ^2/NDF : 44.4/37

- sign -370.169 ± 191.882 χ^2/NDF : 16.8/19

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF : 1480375.5/15

Left Out: 458.414+/-0.259 χ^2/NDF : 64956.1/1

Right Out: 561.273+/-0.160 χ^2/NDF : 2273371.7/17

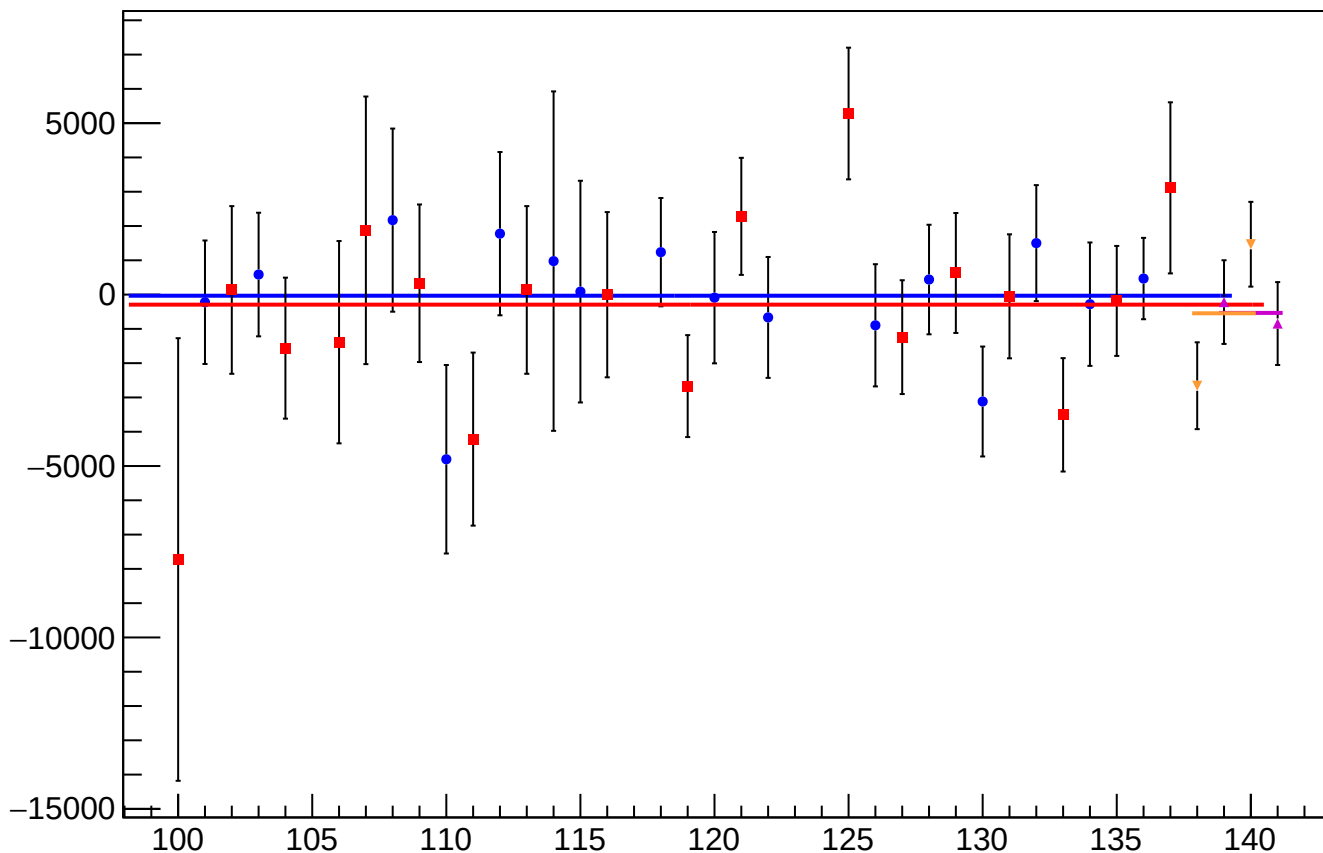
Left In: 466.107+/-0.255 χ^2/NDF : 108589.6/1

+ sign 536.046+/-0.135 χ^2/NDF : 1669007.5/17

All: 535.203+/-0.096 χ^2/NDF : 4150859.5/37

- sign 534.346+/-0.136 χ^2/NDF : 2481772.9/19

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -545.427 ± 884.669 χ^2/NDF : 5.4/1

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

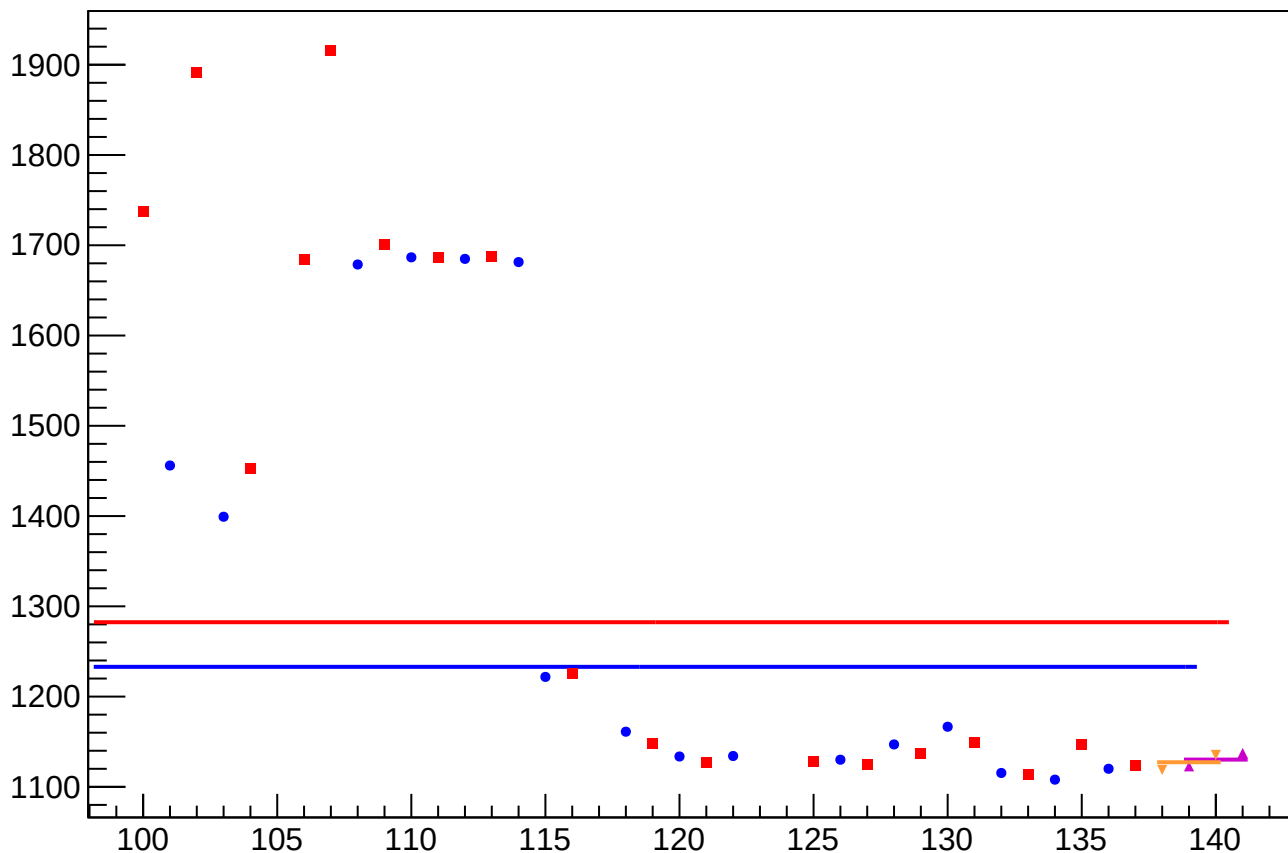
Left In: -534.508 ± 858.886 χ^2/NDF : 0.1/1

+ sign -143.307 ± 410.366 χ^2/NDF : 16.0/17

All: -244.590 ± 294.047 χ^2/NDF : 40.5/37

- sign -351.470 ± 421.551 χ^2/NDF : 24.4/19

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF : 315470.2/15

Left Out: 1127.270+/-0.626 χ^2/NDF :177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF : 543403.2/17

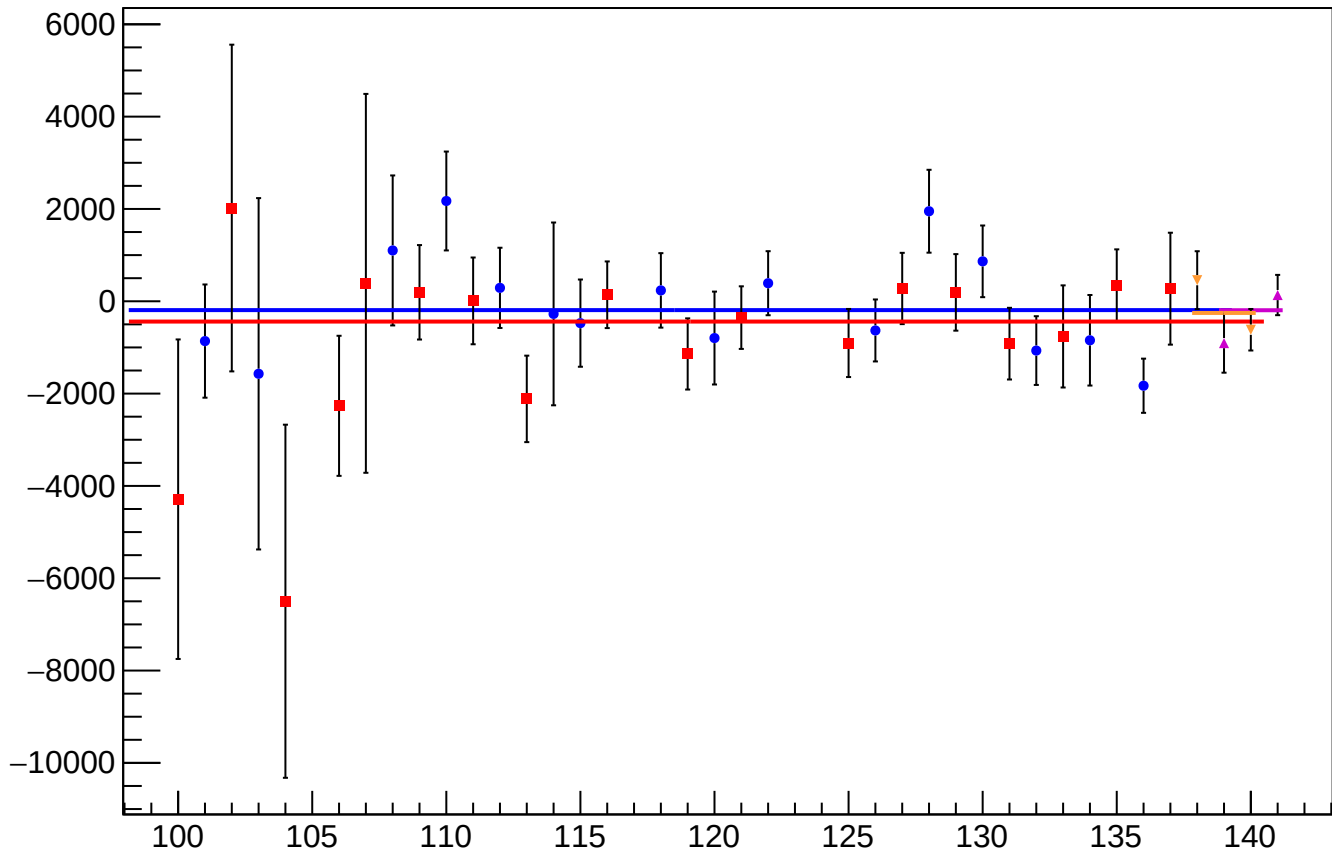
Left In: 1130.209+/-0.607 χ^2/NDF :148.4/1

+ sign 1210.223+/-0.290 χ^2/NDF : 338052.5/17

All: 1227.505+/-0.208 χ^2/NDF : 936568.7/37

- sign 1245.743+/-0.298 χ^2/NDF : 591225.4/19

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527 ± 222.763 χ^2/NDF : 25.3/15

Left Out: -252.799 ± 365.575 χ^2/NDF : 1.9/1

Right Out: -439.611 ± 226.600 χ^2/NDF : 14.6/17

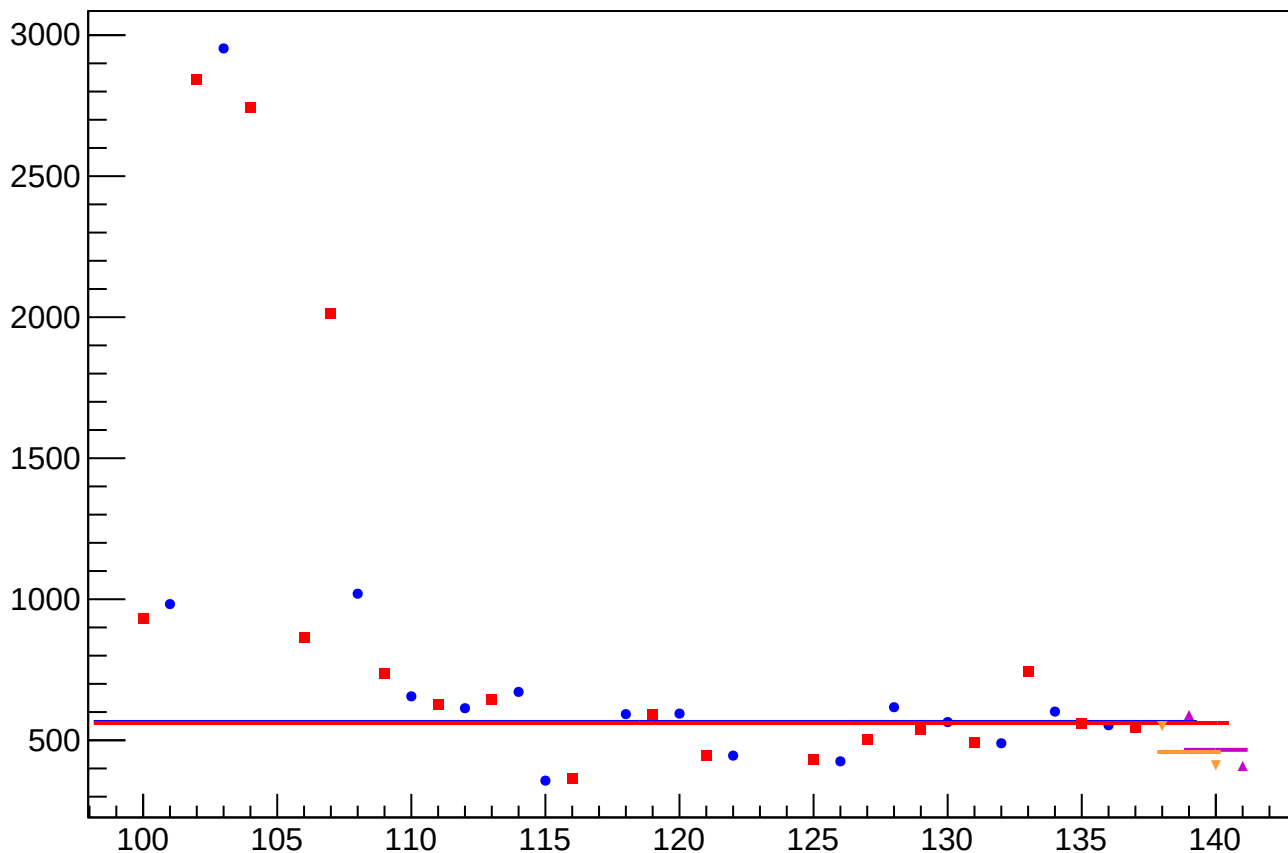
Left In: -194.192 ± 360.727 χ^2/NDF : 1.8/1

+ sign -208.118 ± 190.229 χ^2/NDF : 27.2/17

All: -288.442 ± 135.093 χ^2/NDF : 44.4/37

- sign -370.169 ± 191.882 χ^2/NDF : 16.8/19

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF : 1480372.9/15

Left Out: 458.414+/-0.259 χ^2/NDF : 64958.6/1

Right Out: 561.273+/-0.160 χ^2/NDF : 2273372.4/17

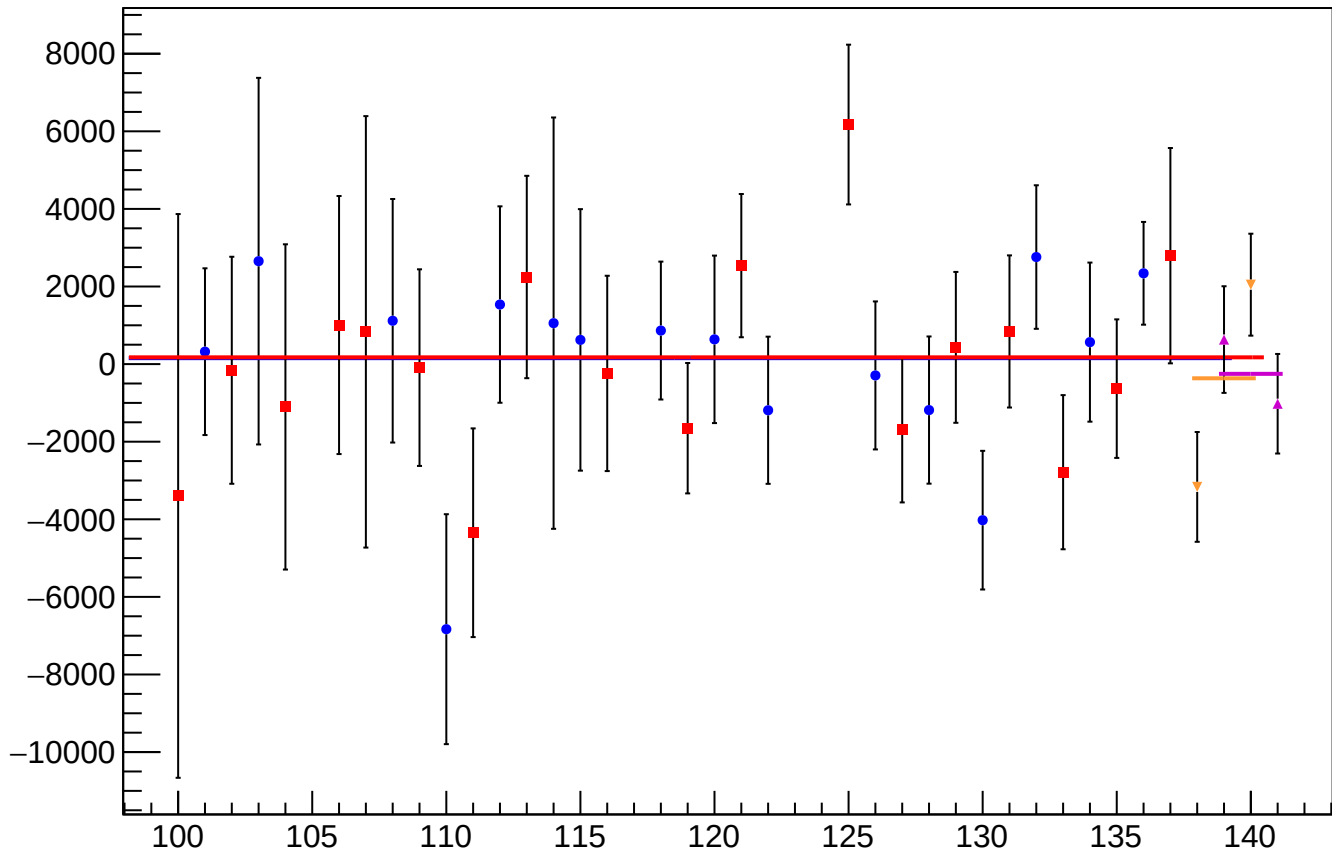
Left In: 466.107+/-0.255 χ^2/NDF : 108593.0/1

+ sign 536.045+/-0.135 χ^2/NDF : 1669008.1/17

All: 535.203+/-0.096 χ^2/NDF : 4150865.0/37

- sign 534.346+/-0.136 χ^2/NDF : 2481777.7/19

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

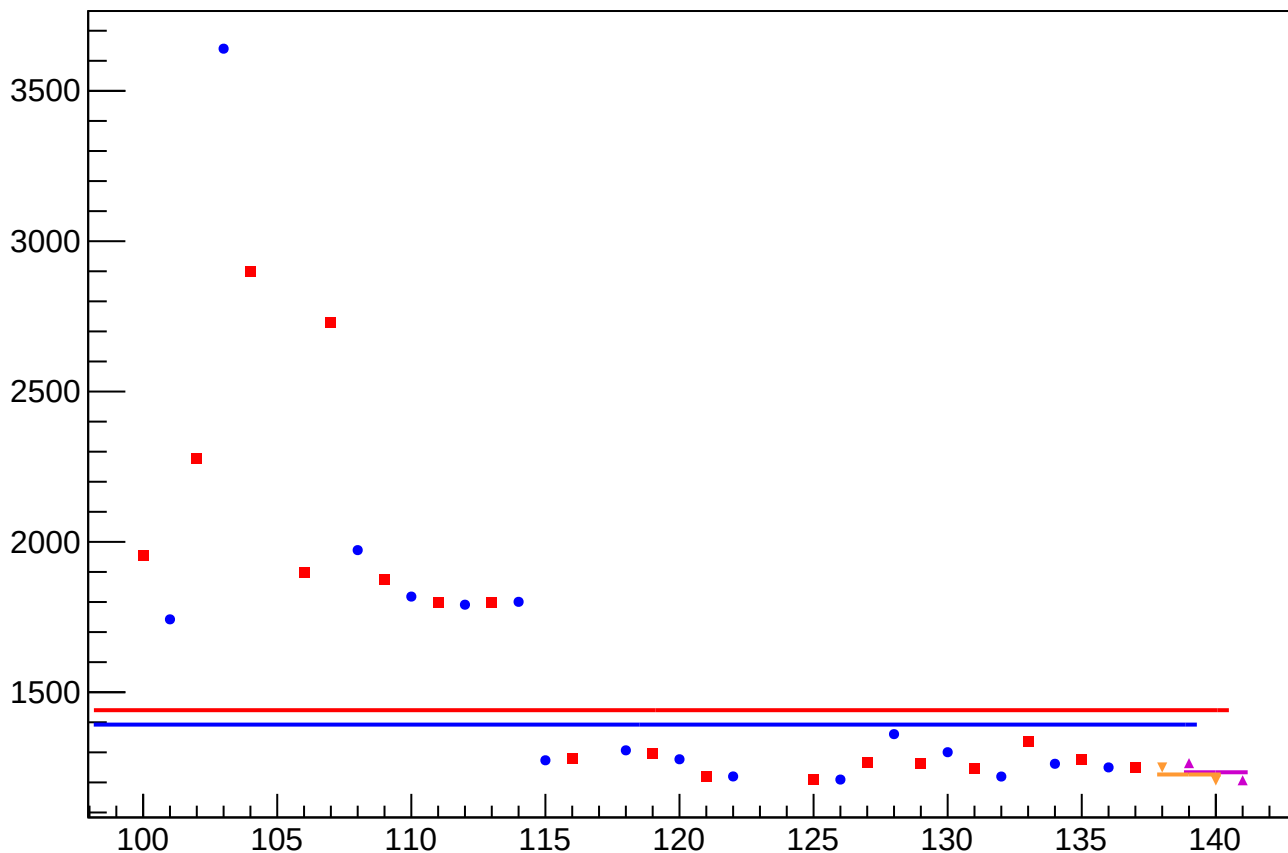
Left In: -251.176 $\pm$ 937.829 χ^2 /NDF: 0.8/1

+ sign 31.896 $\pm$ 465.701 χ^2 /NDF: 25.3/17

All: 48.325 $\pm$ 332.378 χ^2 /NDF: 45.9/37

- sign 65.382 $\pm$ 474.529 χ^2 /NDF: 20.6/19

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF : 779240.9/15

Left Out: 1226.419+/-0.681 χ^2/NDF :1010.9/1

Right Out: 1440.222+/-0.389 χ^2/NDF : 854885.8/17

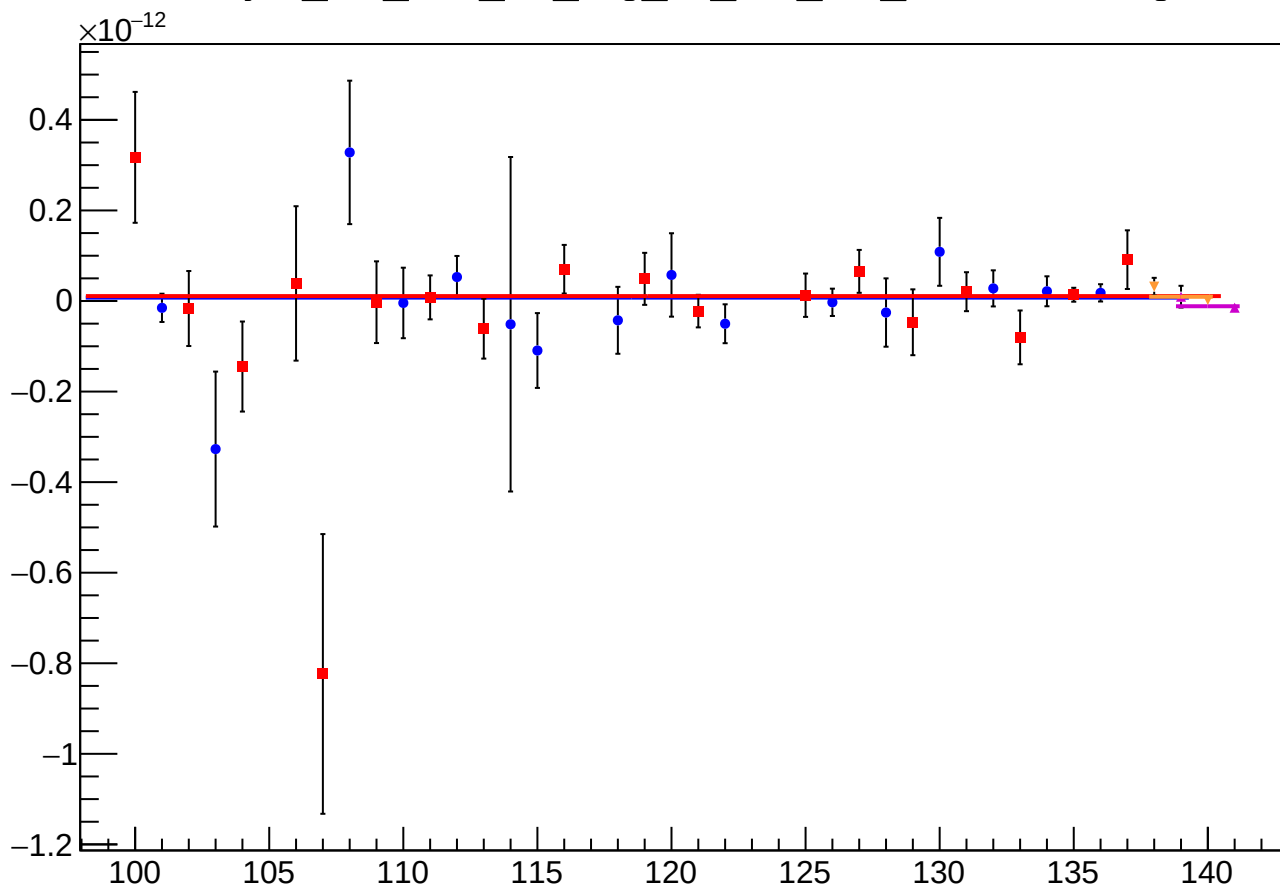
Left In: 1233.752+/-0.663 χ^2/NDF :1840.1/1

+ sign 1353.485+/-0.329 χ^2/NDF : 825733.1/17

All: 1370.105+/-0.235 χ^2/NDF : 1759771.5/37

- sign 1387.361+/-0.336 χ^2/NDF : 928846.2/19

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

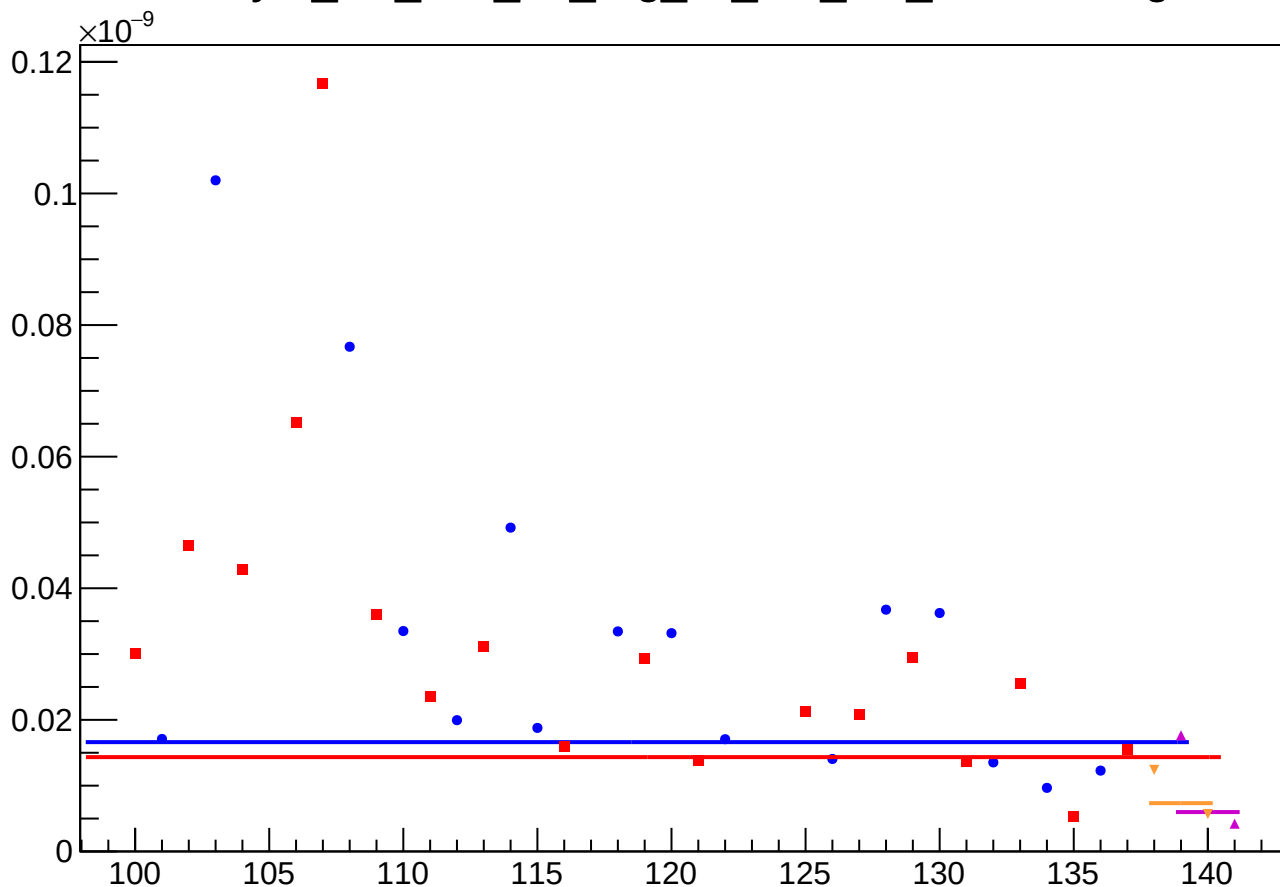
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/19

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1573068.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:179548.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2258014.9/17

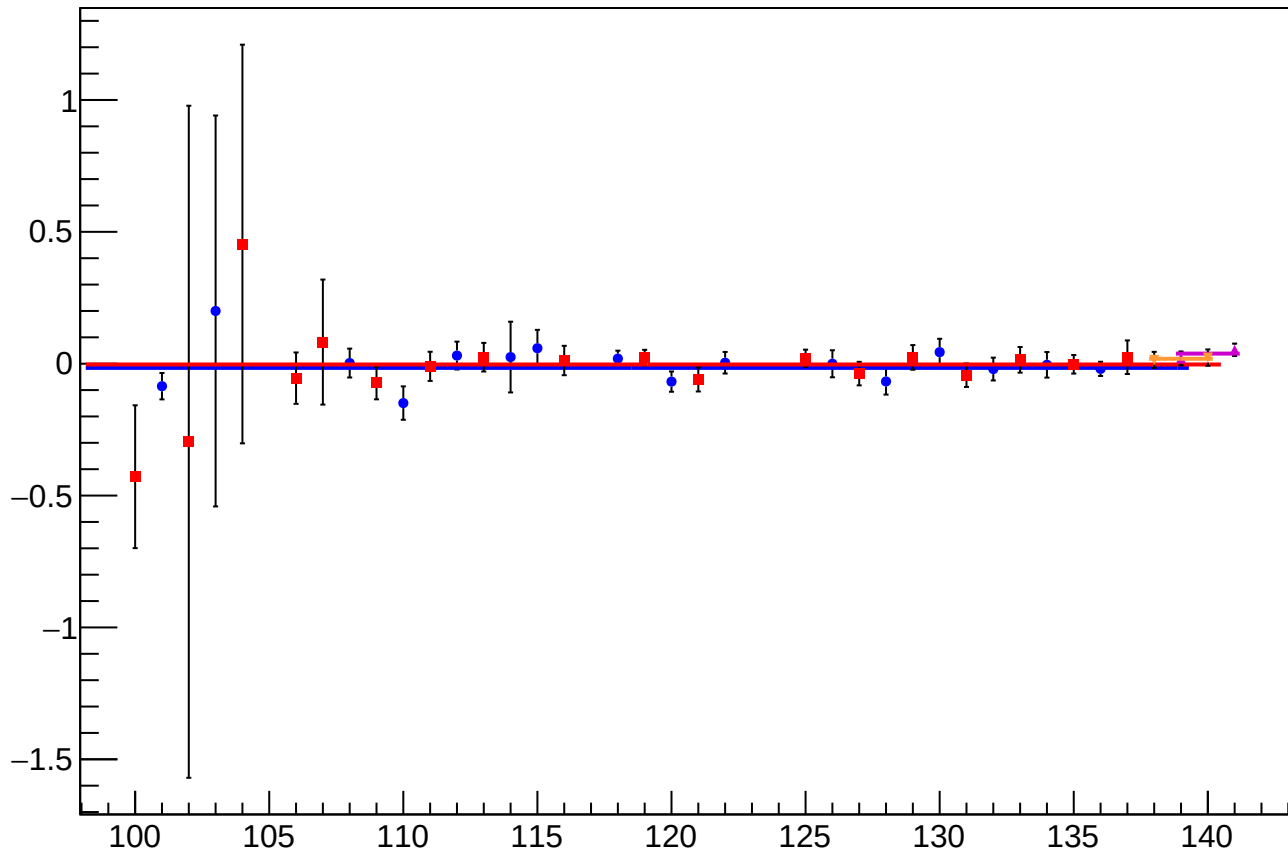
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:542968.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2568444.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6199411.1/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3542687.3/19

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 14.6/15

Left Out: 0.019 ± 0.022 χ^2/NDF : 0.0/1

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

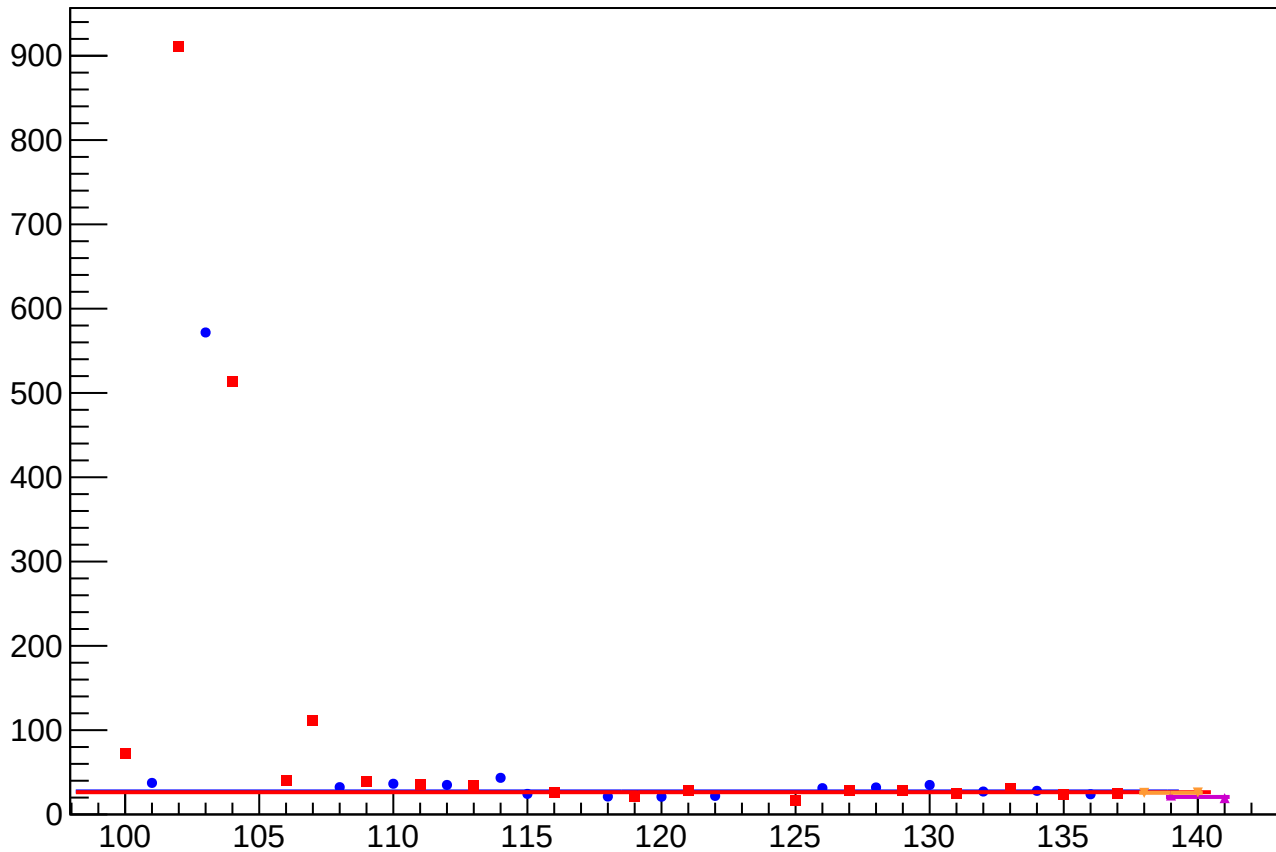
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: 0.001 ± 0.007 χ^2/NDF : 32.8/37

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF : 1568329.0/15

Left Out: 25.805+/-0.015 χ^2/NDF :192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

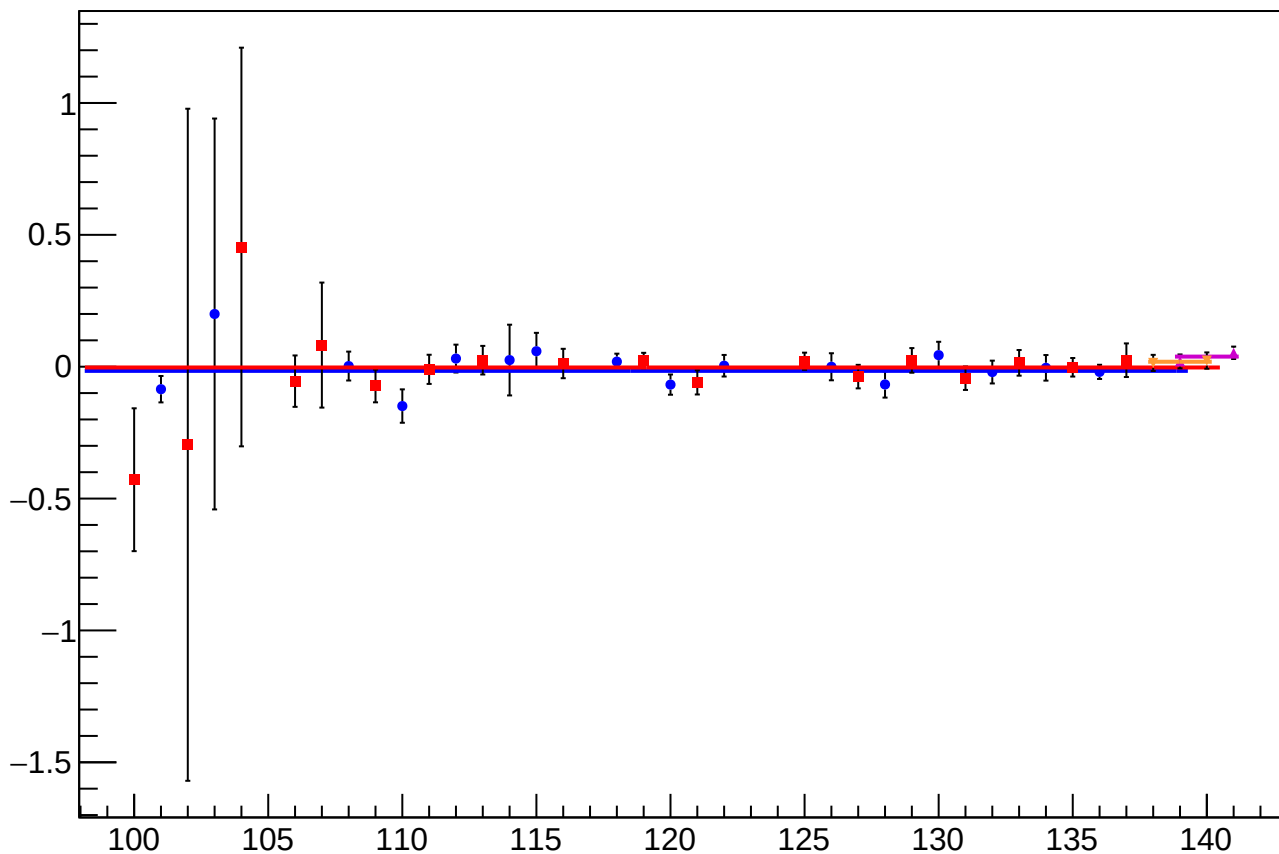
Left In: 20.759+/-0.012 χ^2/NDF :15533.9/1

+ sign 26.975+/-0.007 χ^2/NDF : 1575935.8/17

All: 25.749+/-0.005 χ^2/NDF : 4403258.3/37

- sign 24.593+/-0.007 χ^2/NDF : 2771279.5/19

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

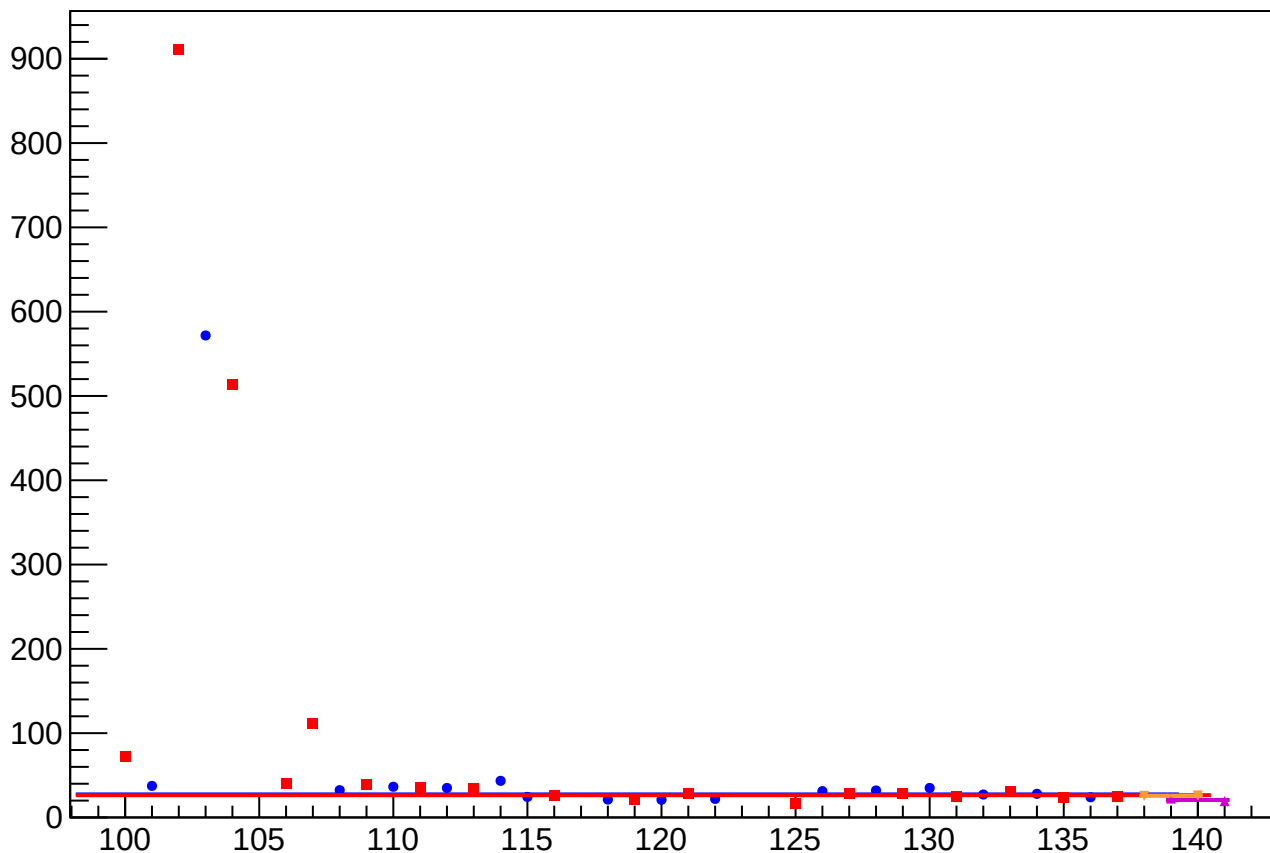
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: 0.001 ± 0.007 χ^2/NDF : 32.8/37

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

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

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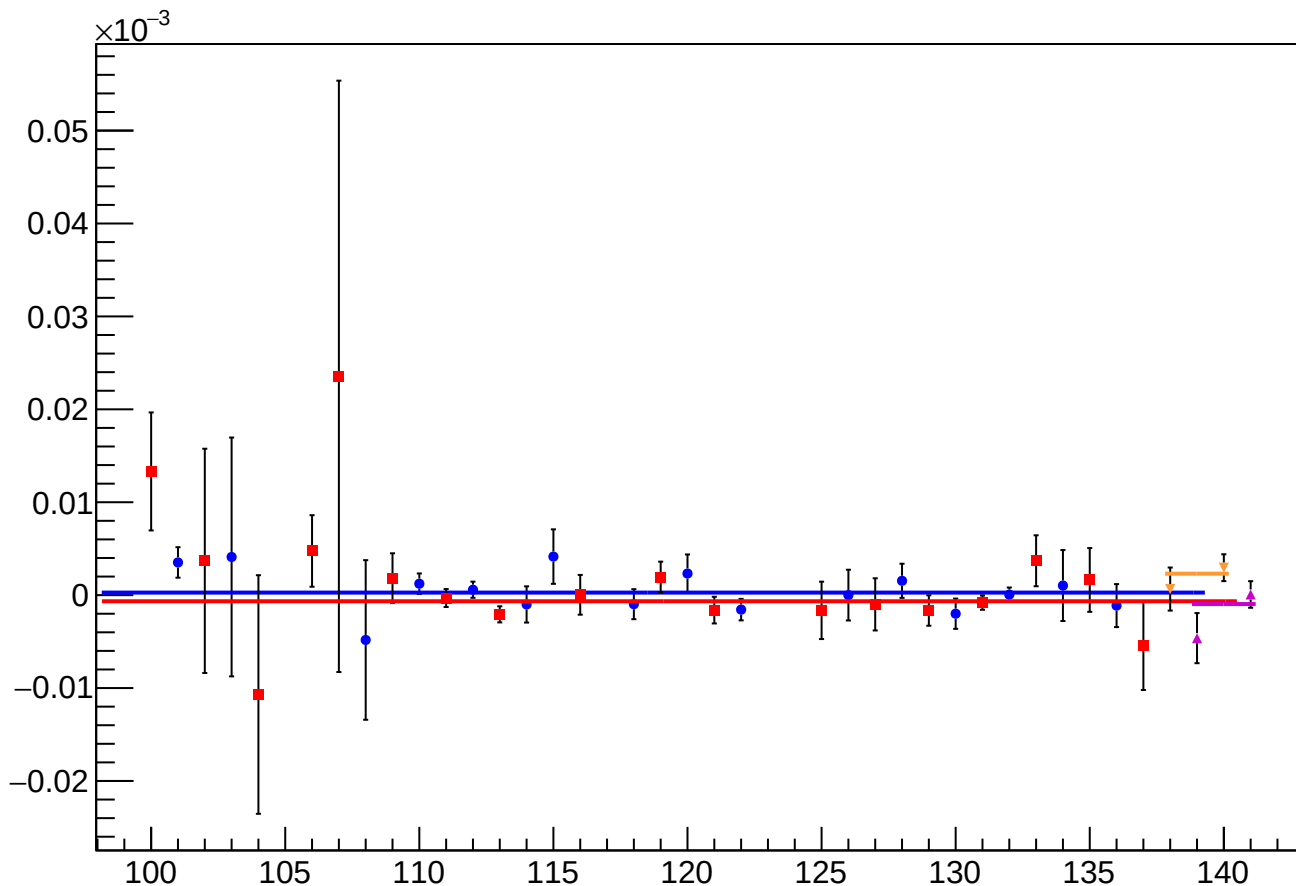
Left In: 20.759+/-0.012 χ^2/NDF :15533.9/1

+ sign 26.975+/-0.007 χ^2/NDF : 1575935.8/17

All: 25.749+/-0.005 χ^2/NDF : 4403258.3/37

- sign 24.593+/-0.007 χ^2/NDF : 2771279.5/19

asym_usl_atl1_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: 0.7/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.3/17

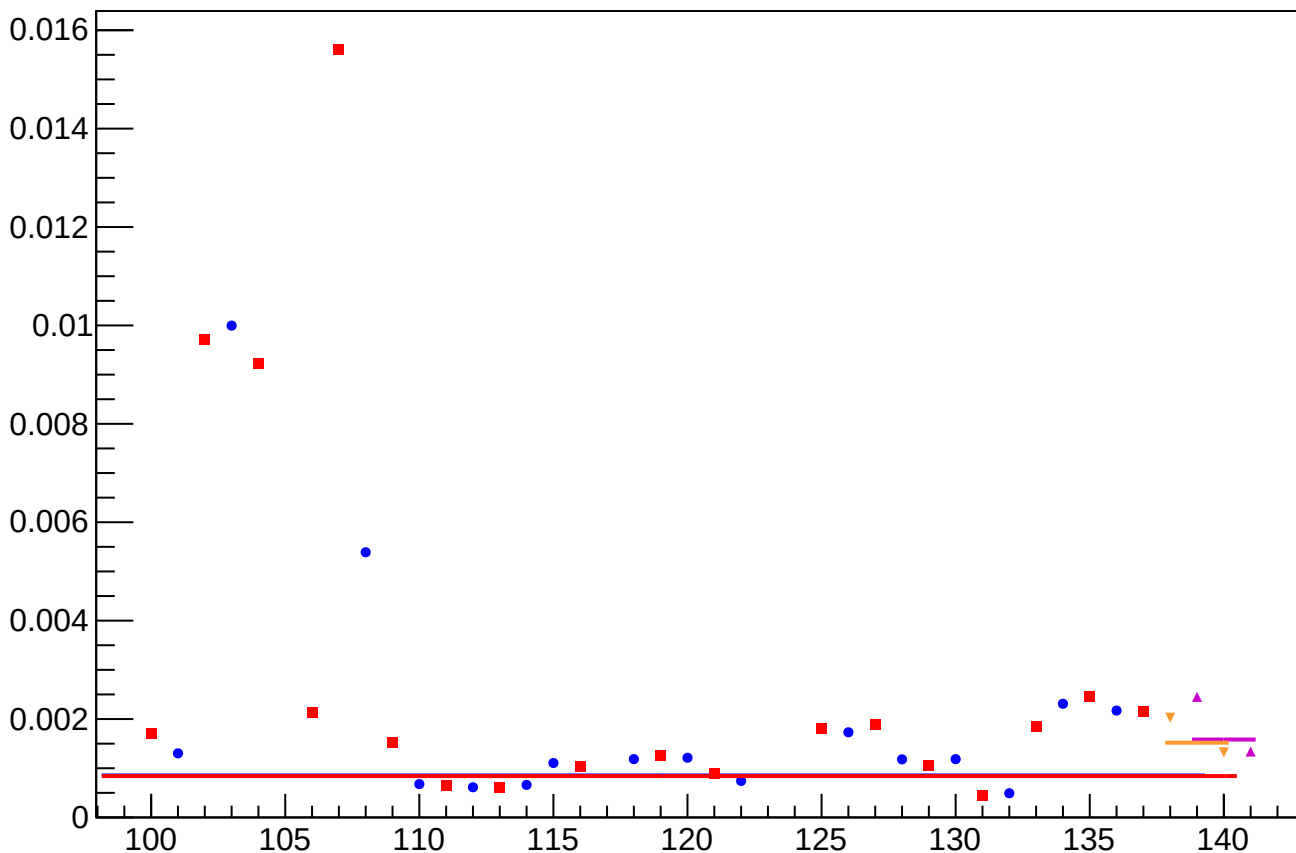
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 44.1/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/19

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF :133131.7/1

Right Out: 0.001+/-0.000 χ^2/NDF : 5039455.2/17

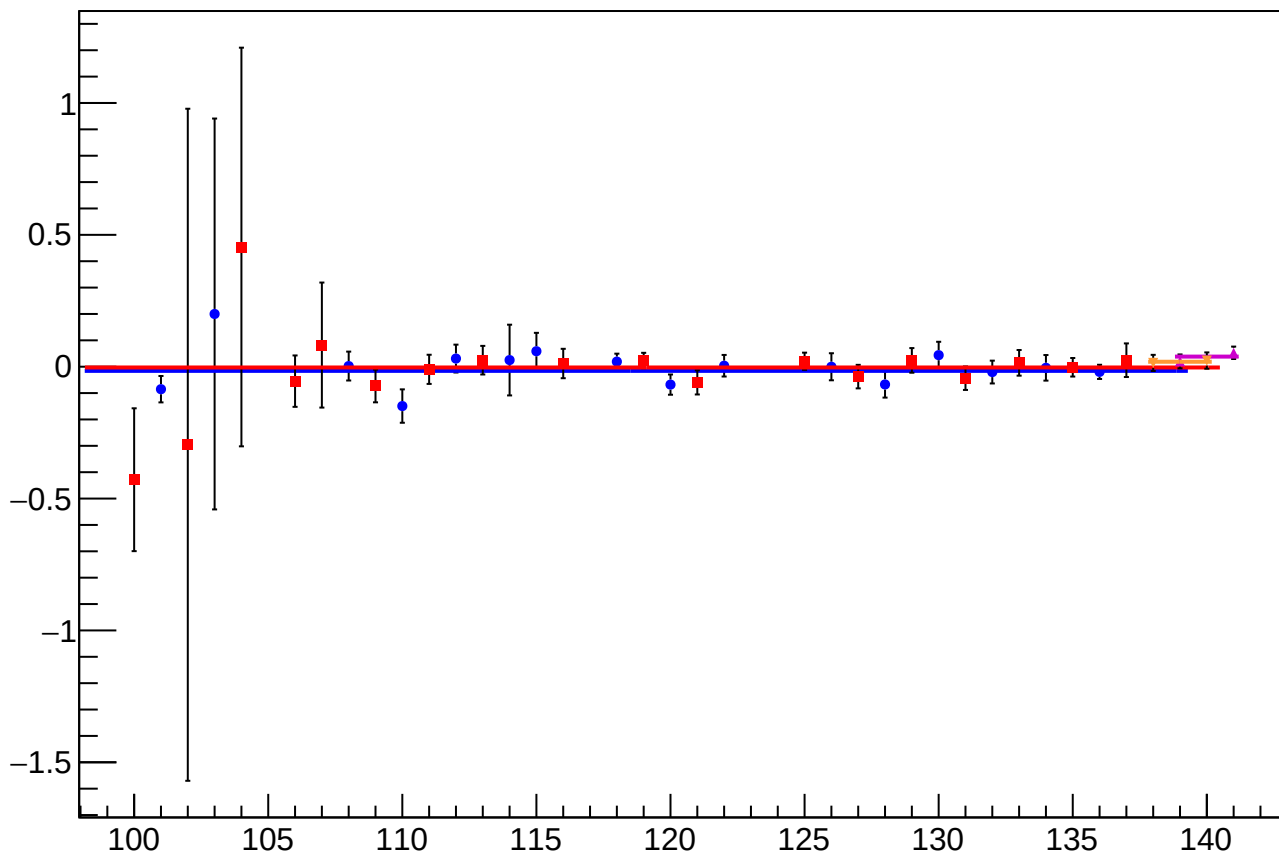
Left In: 0.002+/-0.000 χ^2/NDF :265008.5/1

+ sign 0.001+/-0.000 χ^2/NDF : 4536266.3/17

All: 0.001+/-0.000 χ^2/NDF : 10469904.2/37

- sign 0.001+/-0.000 χ^2/NDF : 5933589.1/19

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

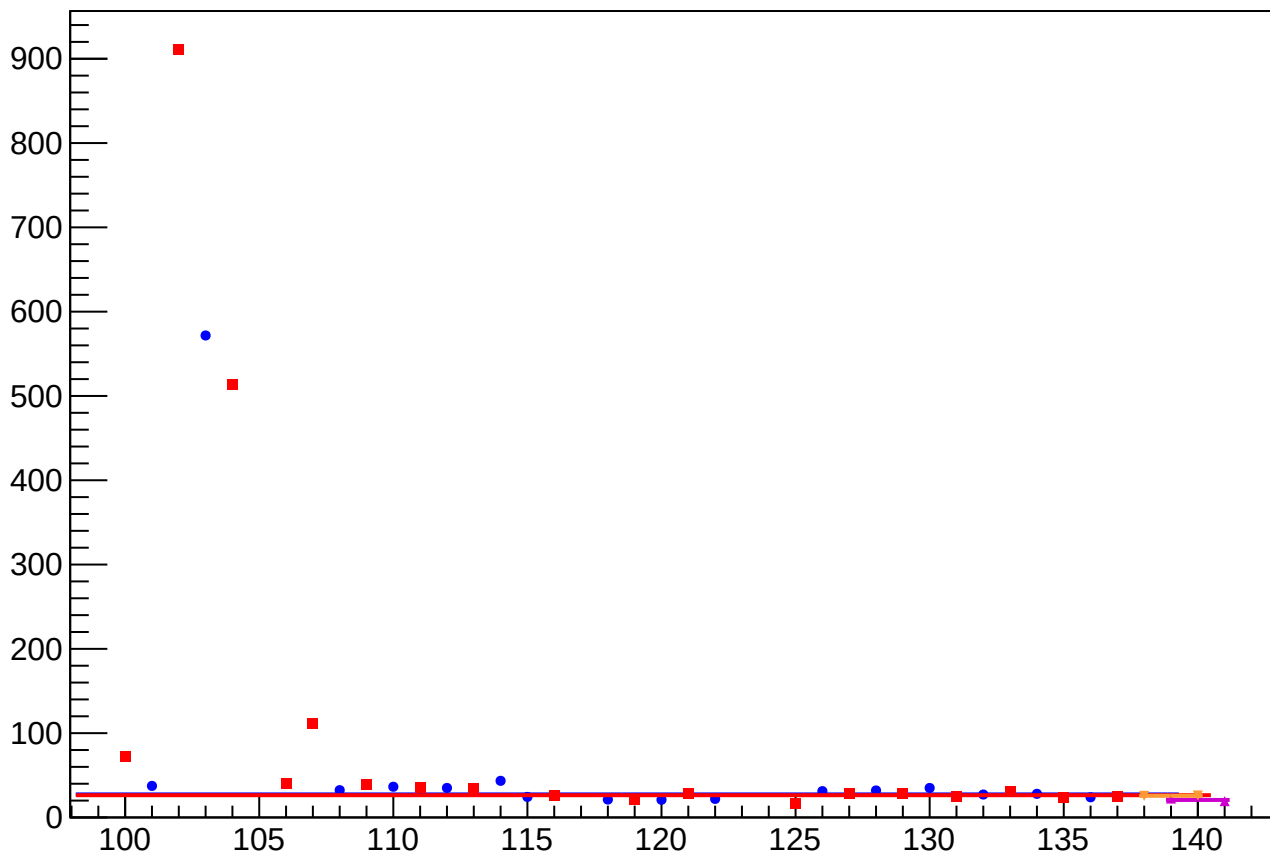
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: 0.001 ± 0.007 χ^2/NDF : 32.8/37

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

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

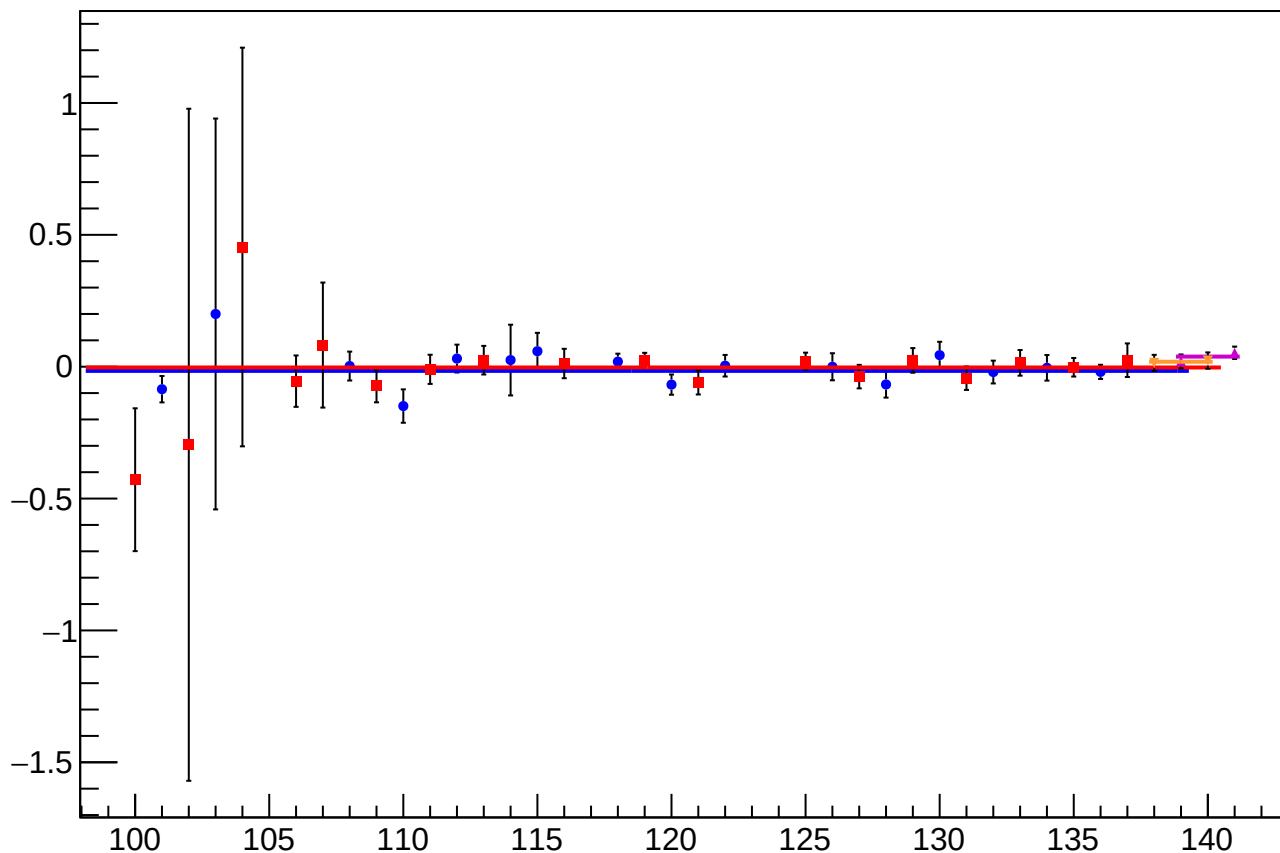
Left In: 20.758+/-0.012 χ^2/NDF :15547.1/1

+ sign 26.975+/-0.007 χ^2/NDF : 1575931.7/17

All: 25.749+/-0.005 χ^2/NDF : 4403300.7/37

- sign 24.593+/-0.007 χ^2/NDF : 2771322.2/19

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

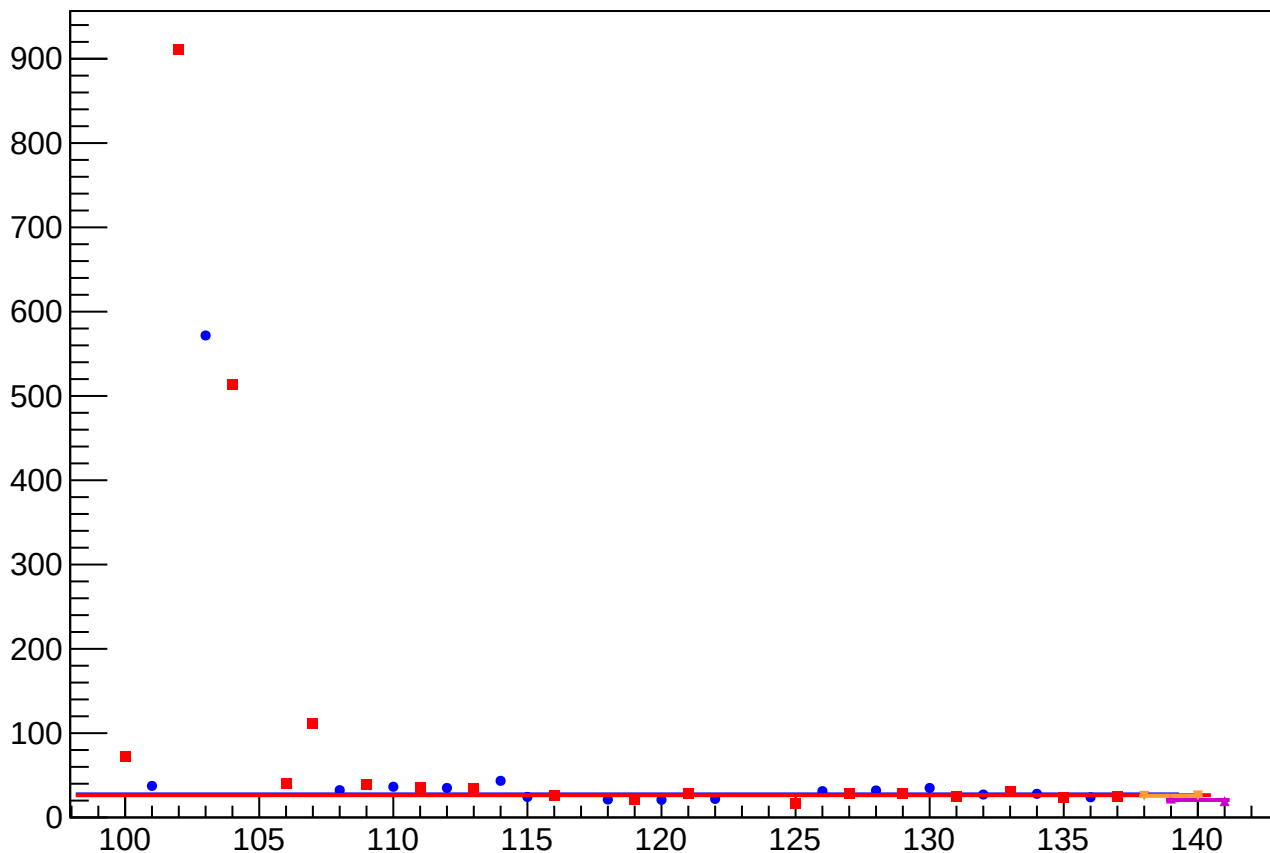
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/17

All: 0.001 ± 0.007 χ^2/NDF : 32.8/37

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

asym_usl_atl1_dd_eigen_dit_vs_eigen_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

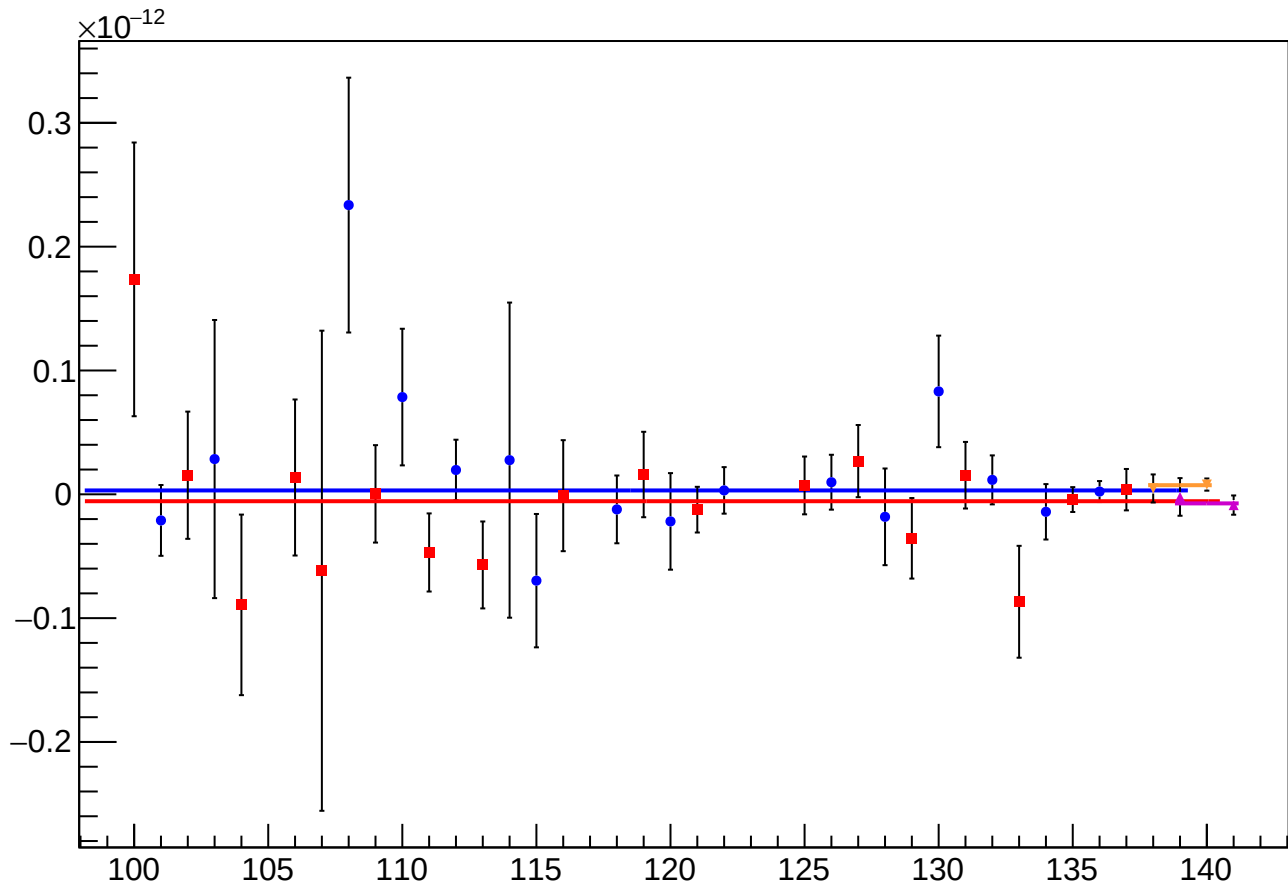
Left In: 20.758+/-0.012 χ^2/NDF :15547.1/1

+ sign 26.975+/-0.007 χ^2/NDF : 1575931.7/17

All: 25.749+/-0.005 χ^2/NDF : 4403300.7/37

- sign 24.593+/-0.007 χ^2/NDF : 2771322.2/19

asym_usl_atl1_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 : 0.1/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.3/17

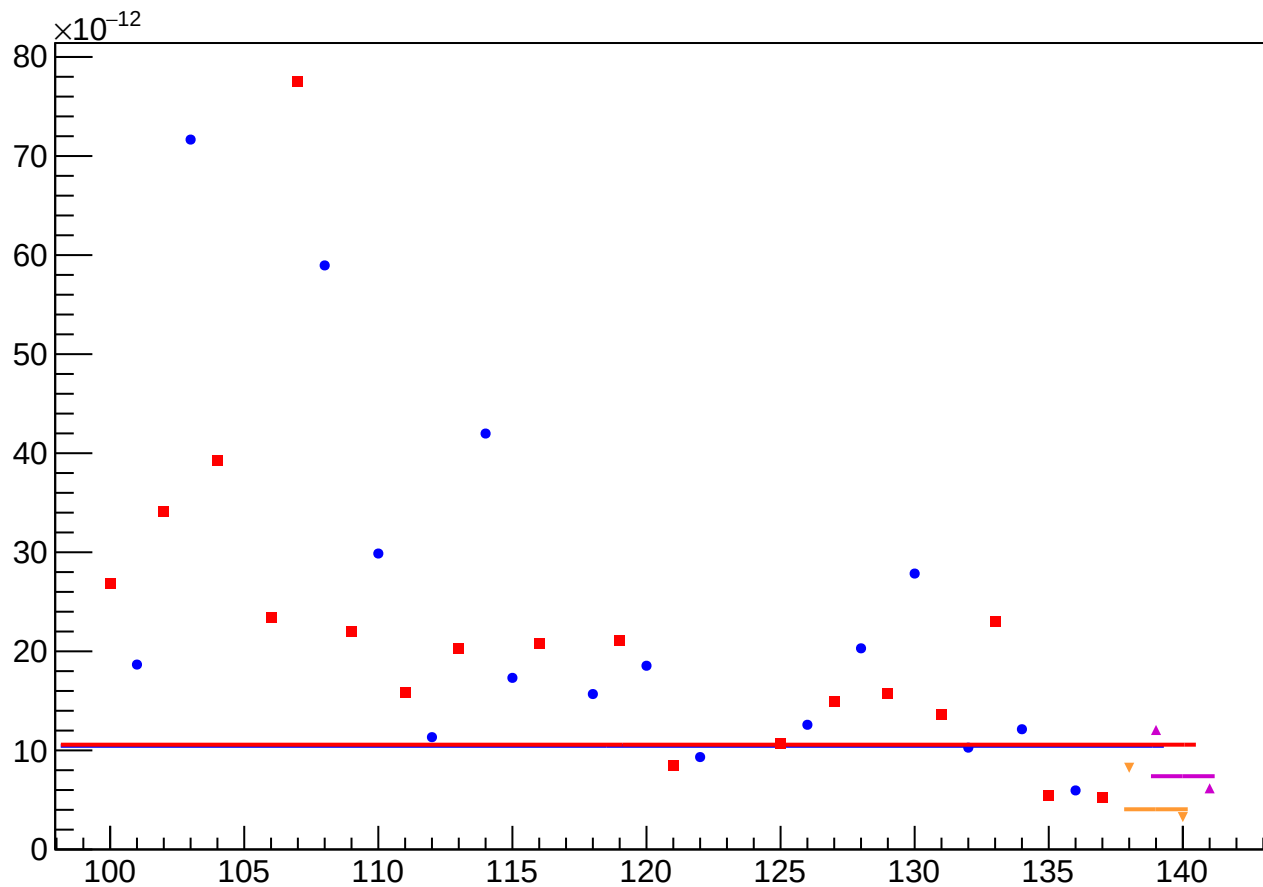
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 15.4/17

All: 0.000 ± 0.000 χ^2/NDF : 35.3/37

- sign -0.000 ± 0.000 χ^2/NDF : 15.5/19

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2794895.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:325778.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2771384.1/17

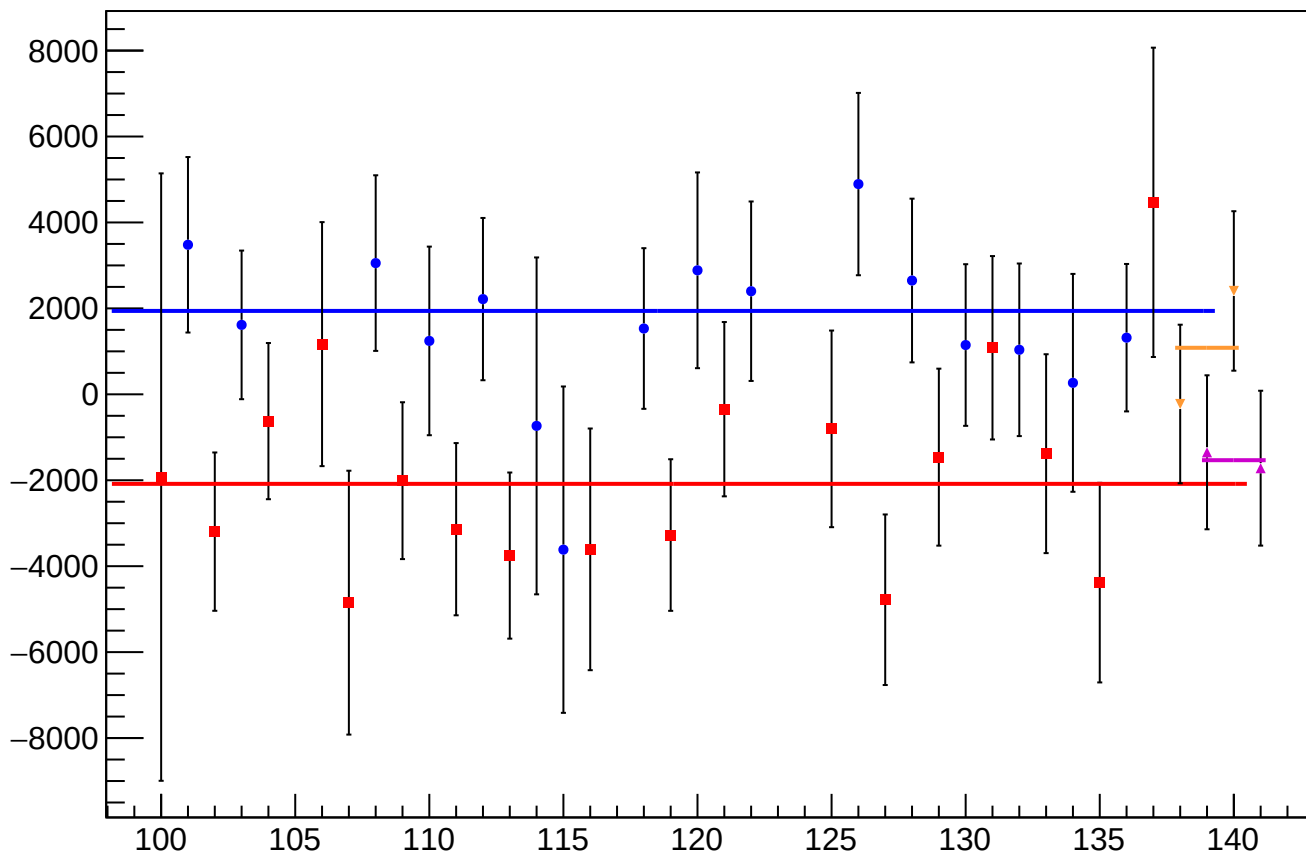
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:237990.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4660618.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8339351.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3247603.3/19

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

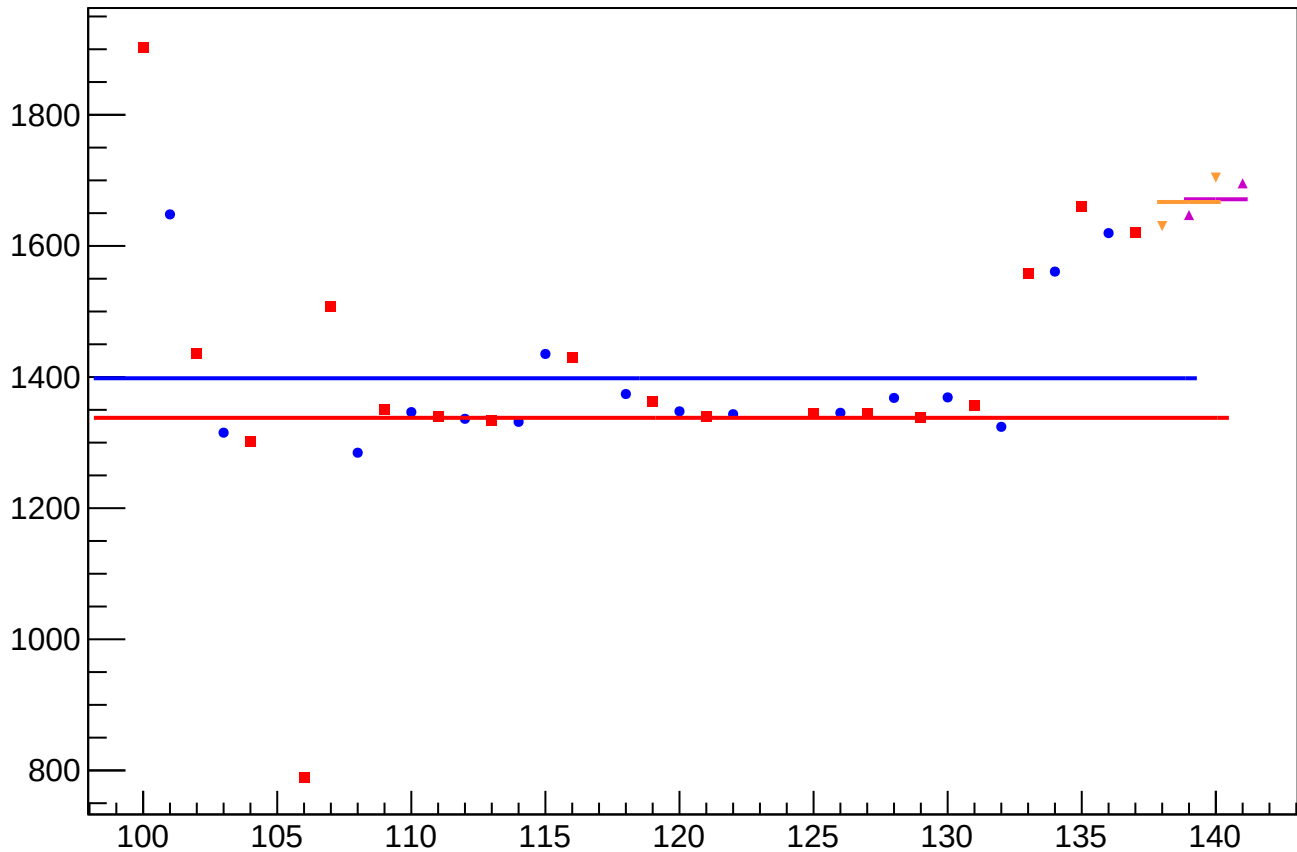
Left In: -1533.100 $\pm$ 1270.775 χ^2/NDF : 0.0/1

+ sign 1823.119 $\pm$ 484.989 χ^2/NDF : 8.3/17

All: -107.028 $\pm$ 341.497 χ^2/NDF : 54.4/37

- sign -2005.053 $\pm$ 480.936 χ^2/NDF : 14.7/19

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF :1596.9/1

Right Out: 1337.819+/-0.356 χ^2/NDF : 317763.3/17

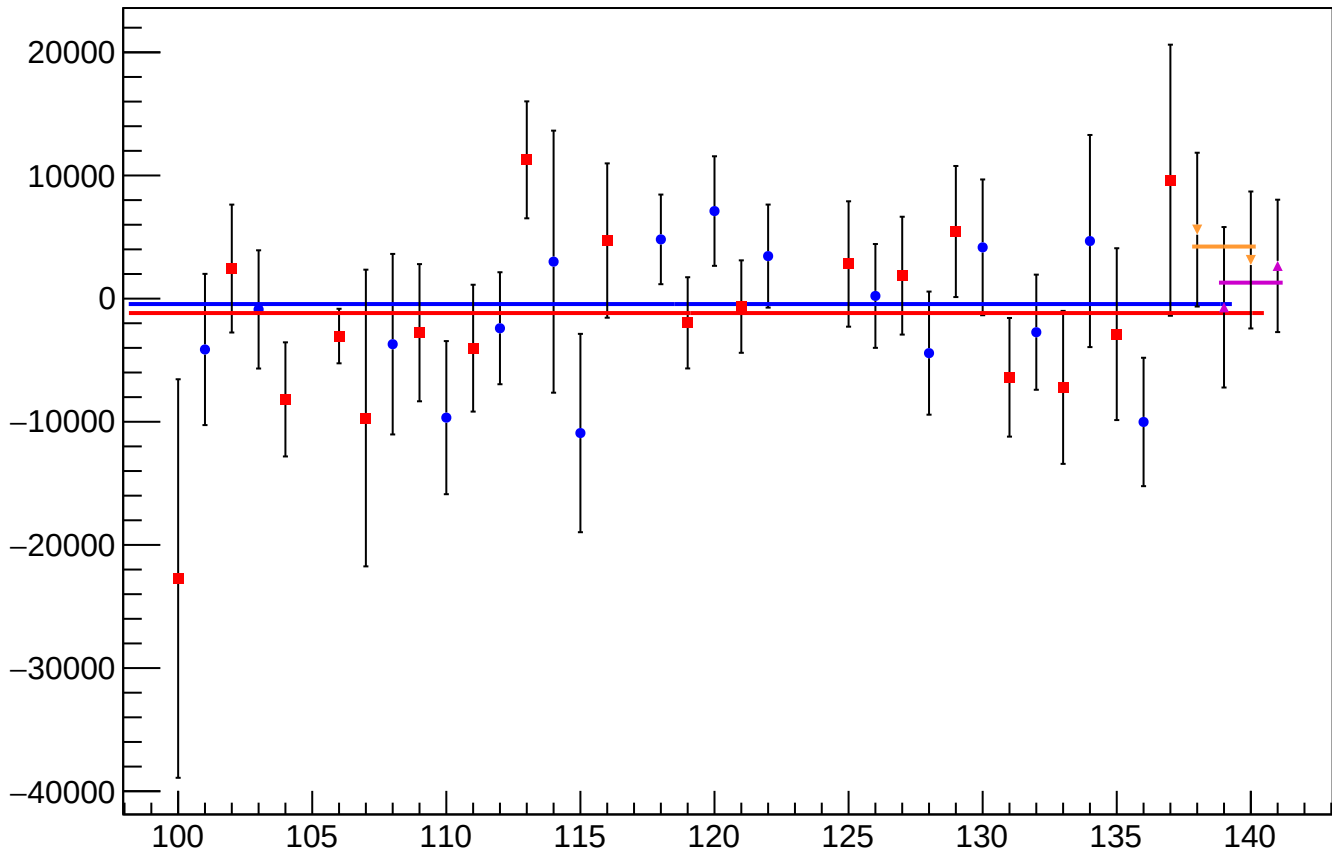
Left In: 1671.201+/-0.899 χ^2/NDF :724.8/1

+ sign 1435.096+/-0.343 χ^2/NDF : 168370.1/17

All: 1408.131+/-0.238 χ^2/NDF : 617780.4/37

- sign 1383.027+/-0.331 χ^2/NDF : 437472.4/19

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

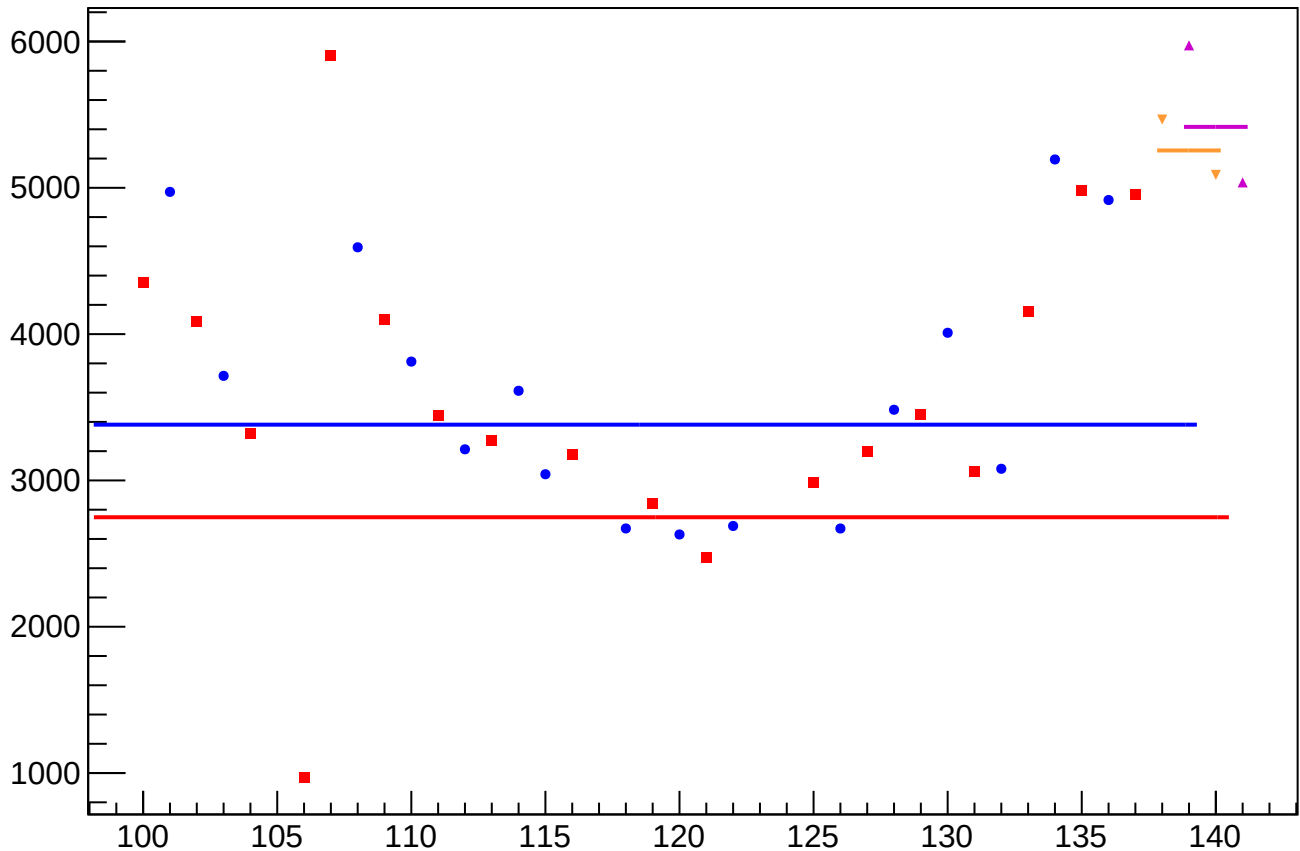
Left In: 1296.464 ± 4146.397 χ^2/NDF : 0.2/1

+ sign -26.835 ± 1237.087 χ^2/NDF : 17.1/17

All: -580.711 ± 814.073 χ^2/NDF : 37.7/37

- sign -1003.754 ± 1081.150 χ^2/NDF : 20.2/19

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117 $\pm$ 0.916 χ^2 /NDF: 757146.6/15

Left Out: 5255.380 $\pm$ 2.937 χ^2 /NDF:4093.3/1

Right Out: 2748.372 $\pm$ 0.792 χ^2 /NDF: 2264563.8/17

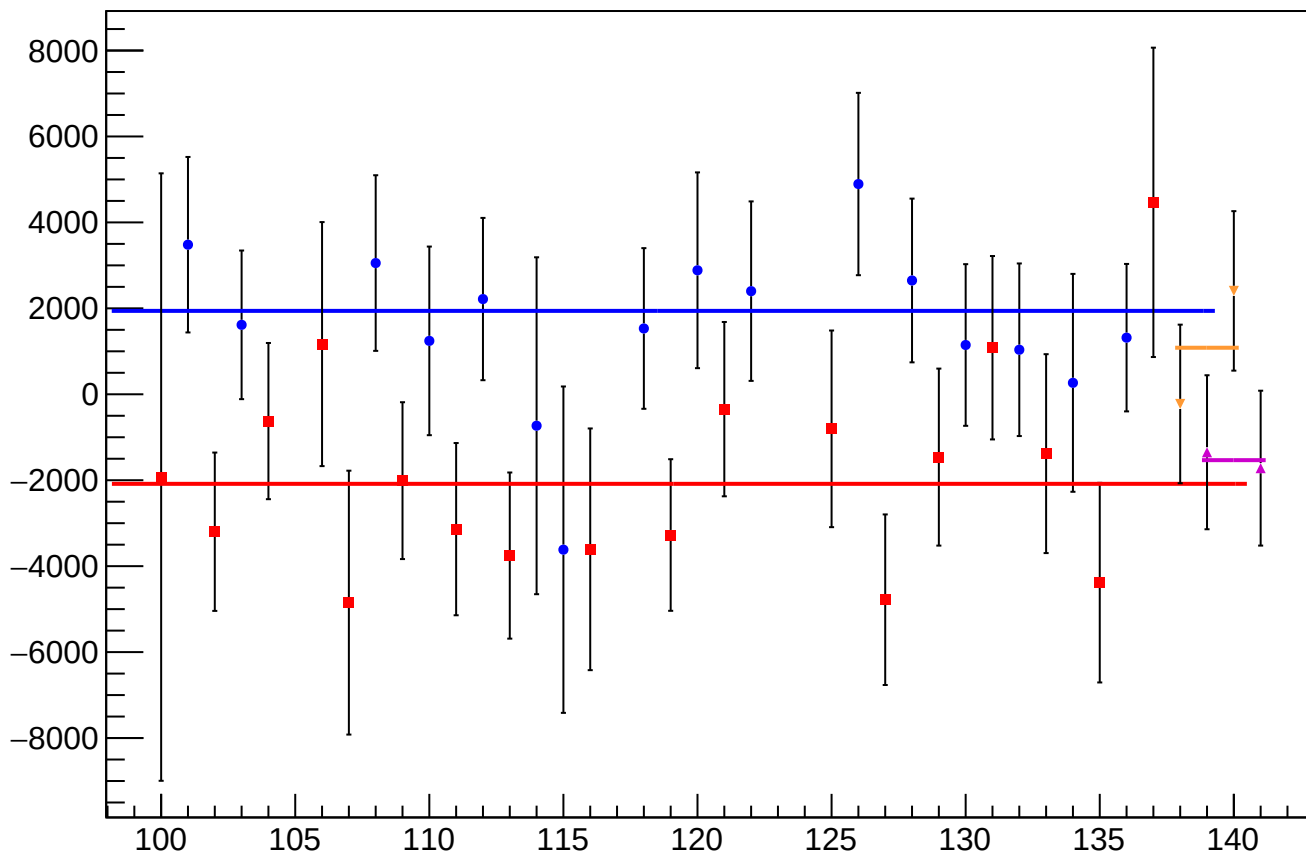
Left In: 5416.513 $\pm$ 2.932 χ^2 /NDF:24589.3/1

+ sign 3547.421 $\pm$ 0.875 χ^2 /NDF: 1132441.5/17

All: 3197.238 $\pm$ 0.576 χ^2 /NDF: 4476095.8/37

- sign 2929.773 $\pm$ 0.764 χ^2 /NDF: 3060993.1/19

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

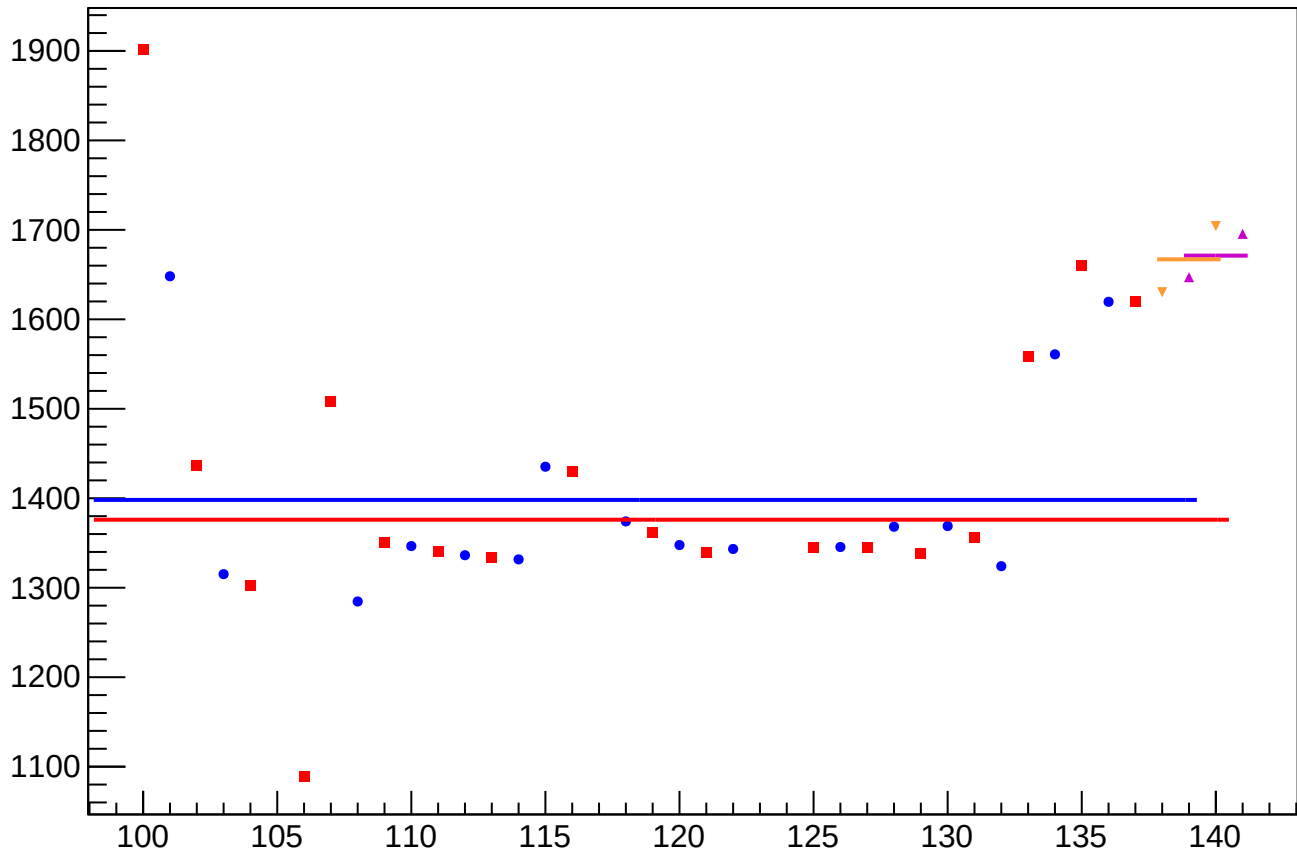
Left In: -1533.008 $\pm$ 1270.775 χ^2 /NDF:0.0/1

+ sign 1823.196 $\pm$ 484.989 χ^2 /NDF: 8.3/17

All: -107.066 $\pm$ 341.498 χ^2 /NDF: 54.4/37

- sign -2005.222 $\pm$ 480.938 χ^2 /NDF: 14.7/19

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF : 1596.9/1

Right Out: 1376.021+/-0.363 χ^2/NDF : 114033.6/17

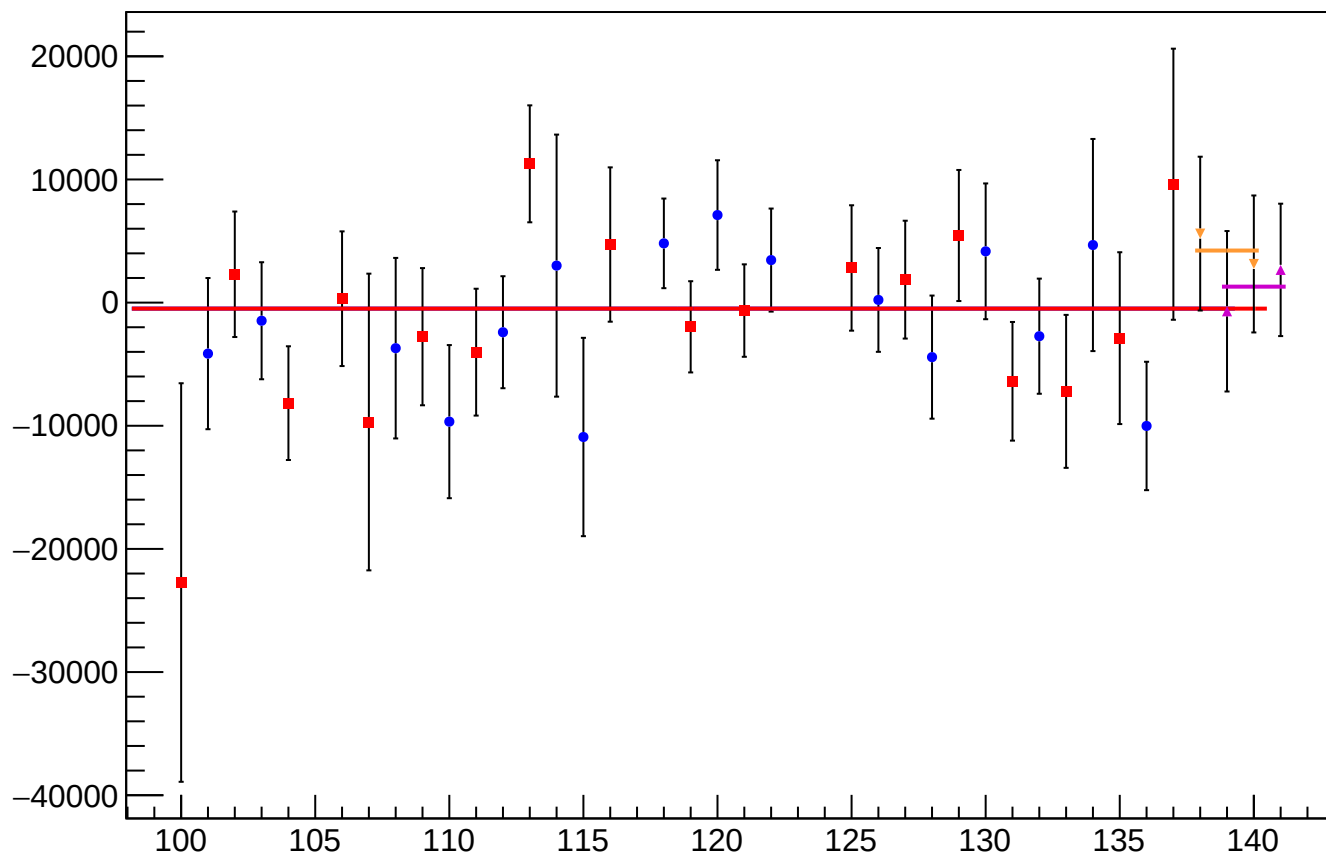
Left In: 1671.201+/-0.899 χ^2/NDF : 724.8/1

+ sign 1435.095+/-0.343 χ^2/NDF : 168370.1/17

All: 1426.041+/-0.240 χ^2/NDF : 377301.5/37

- sign 1417.340+/-0.336 χ^2/NDF : 207564.4/19

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -486.563 ± 1294.930 χ^2/NDF : 15.9/15

Left Out: 4228.383 ± 4153.020 χ^2/NDF : 0.1/1

Right Out: -488.594 ± 1261.315 χ^2/NDF : 18.7/17

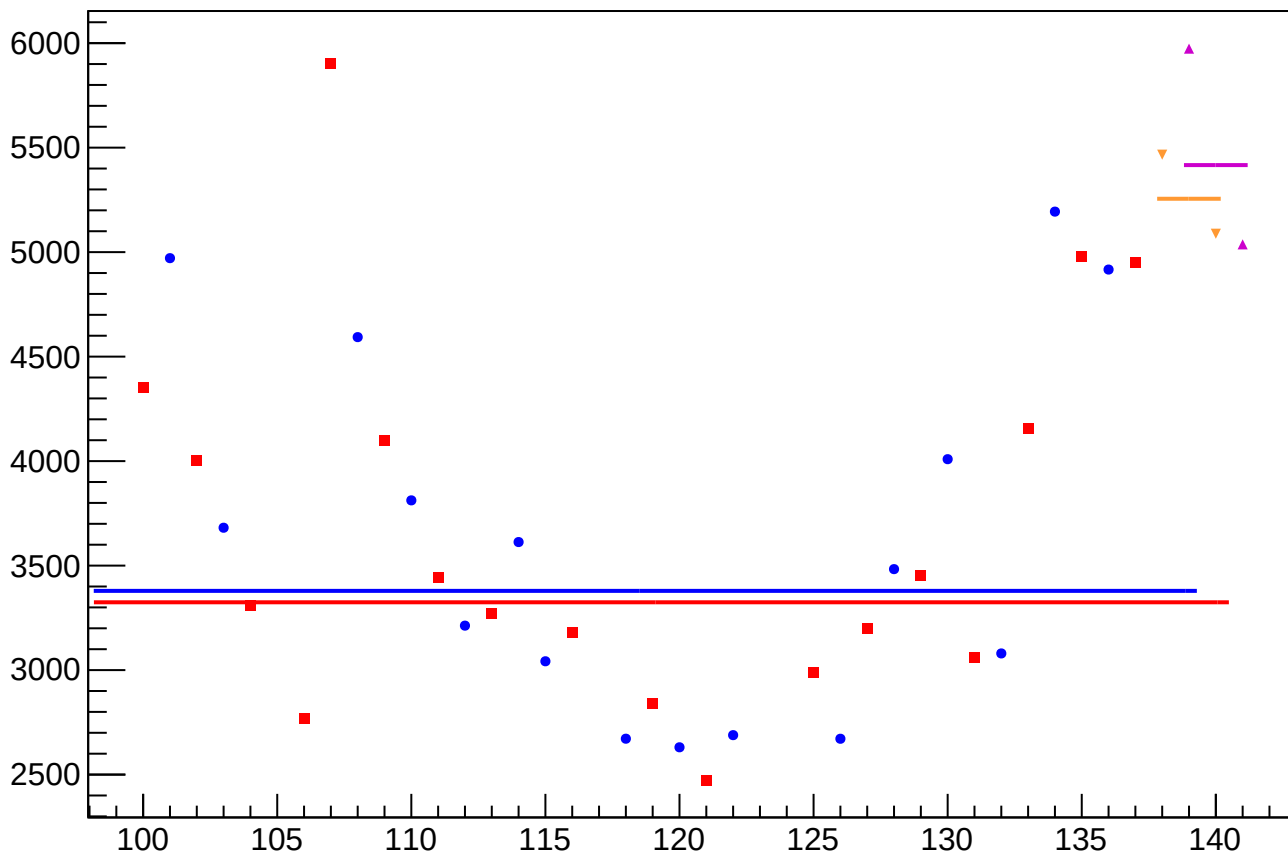
Left In: 1296.442 ± 4146.390 χ^2/NDF : 0.2/1

+ sign -68.784 ± 1236.230 χ^2/NDF : 17.2/17

All: -206.339 ± 863.523 χ^2/NDF : 36.3/37

- sign -337.406 ± 1206.718 χ^2/NDF : 19.0/19

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110 $\pm$ 0.916 χ^2/NDF : 755339.9/15

Left Out: 5255.379 $\pm$ 2.937 χ^2/NDF : 4093.5/1

Right Out: 3324.449 $\pm$ 0.892 χ^2/NDF : 543813.3/17

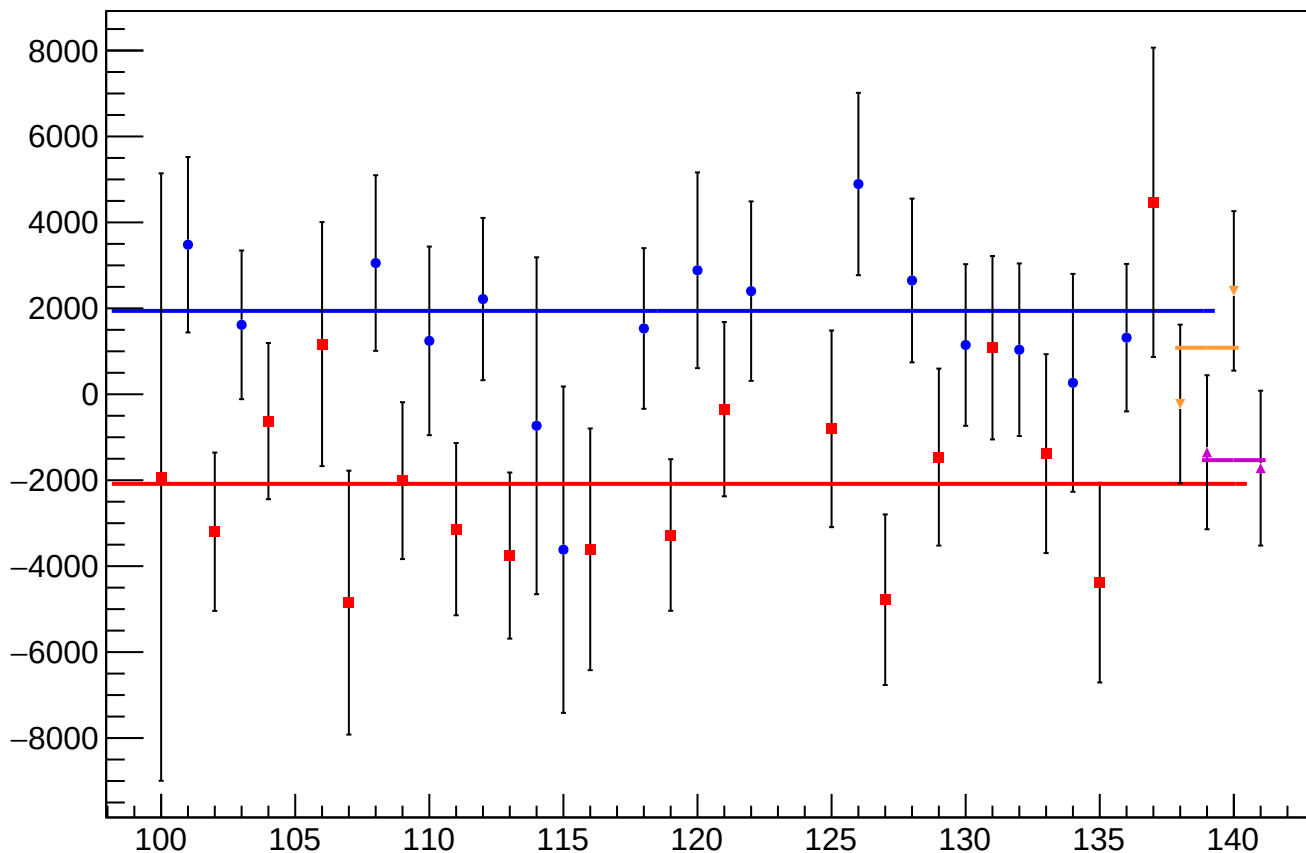
Left In: 5416.502 $\pm$ 2.932 χ^2/NDF : 24589.9/1

+ sign 3545.362 $\pm$ 0.874 χ^2/NDF : 1131480.2/17

All: 3522.973 $\pm$ 0.611 χ^2/NDF : 2167178.9/37

- sign 3501.641 $\pm$ 0.853 χ^2/NDF : 1034417.8/19

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

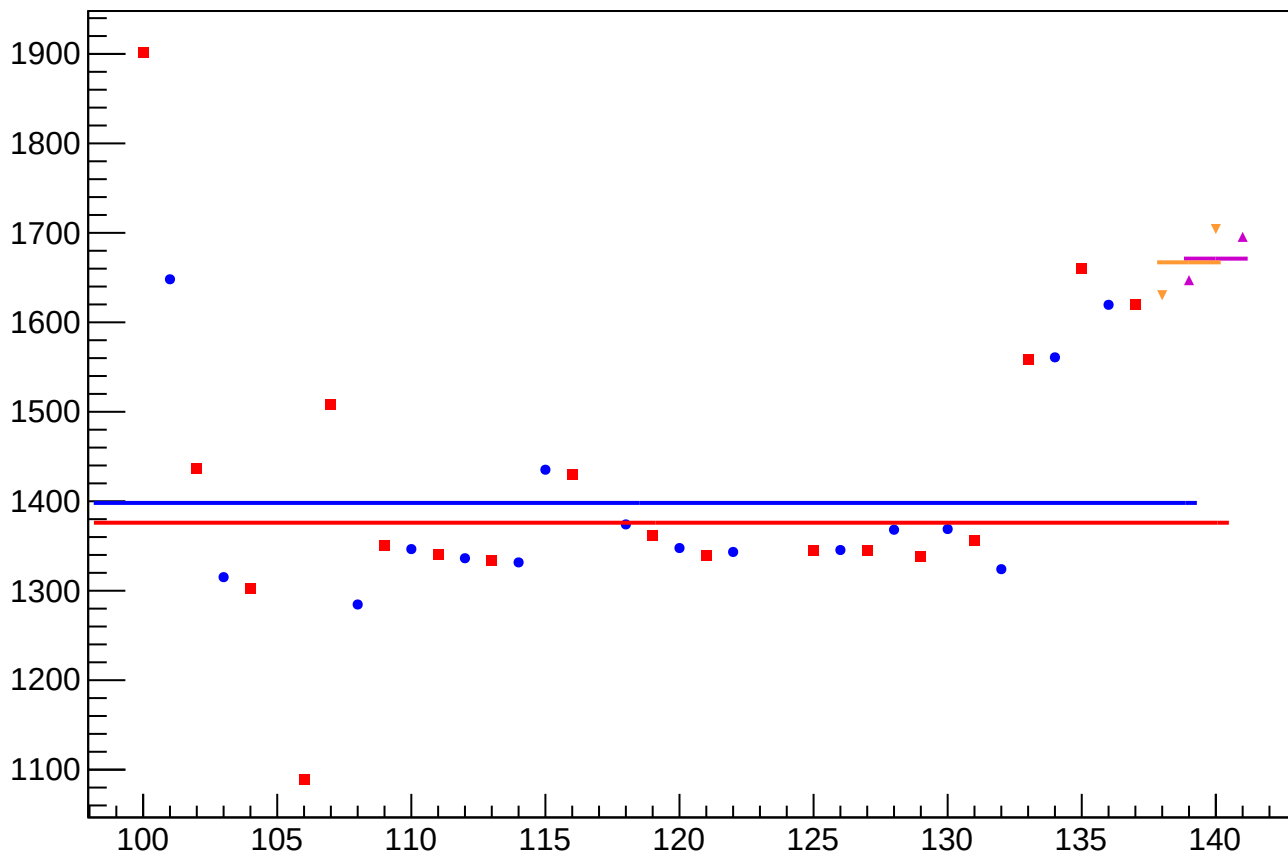
Left In: -1533.008 $\pm$ 1270.775 χ^2 /NDF:0.0/1

+ sign 1823.196 $\pm$ 484.989 χ^2 /NDF: 8.3/17

All: -107.066 $\pm$ 341.498 χ^2 /NDF: 54.4/37

- sign -2005.222 $\pm$ 480.938 χ^2 /NDF: 14.7/19

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

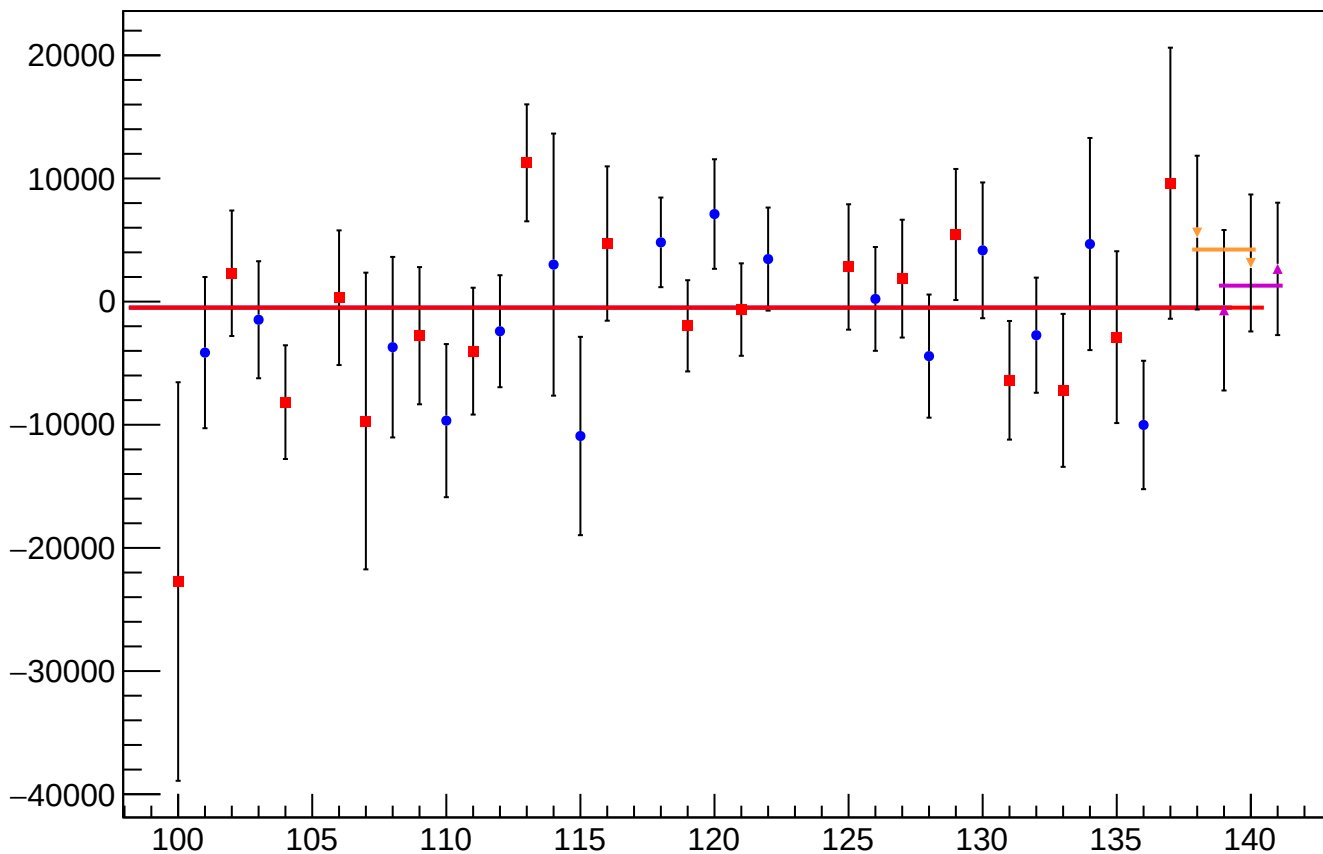
Left In: 1671.201 $\pm$ 0.899 χ^2 /NDF: 724.8/1

+ sign 1435.095 $\pm$ 0.343 χ^2 /NDF: 168370.1/17

All: 1426.041 $\pm$ 0.240 χ^2 /NDF: 377301.5/37

- sign 1417.340 $\pm$ 0.336 χ^2 /NDF: 207564.4/19

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

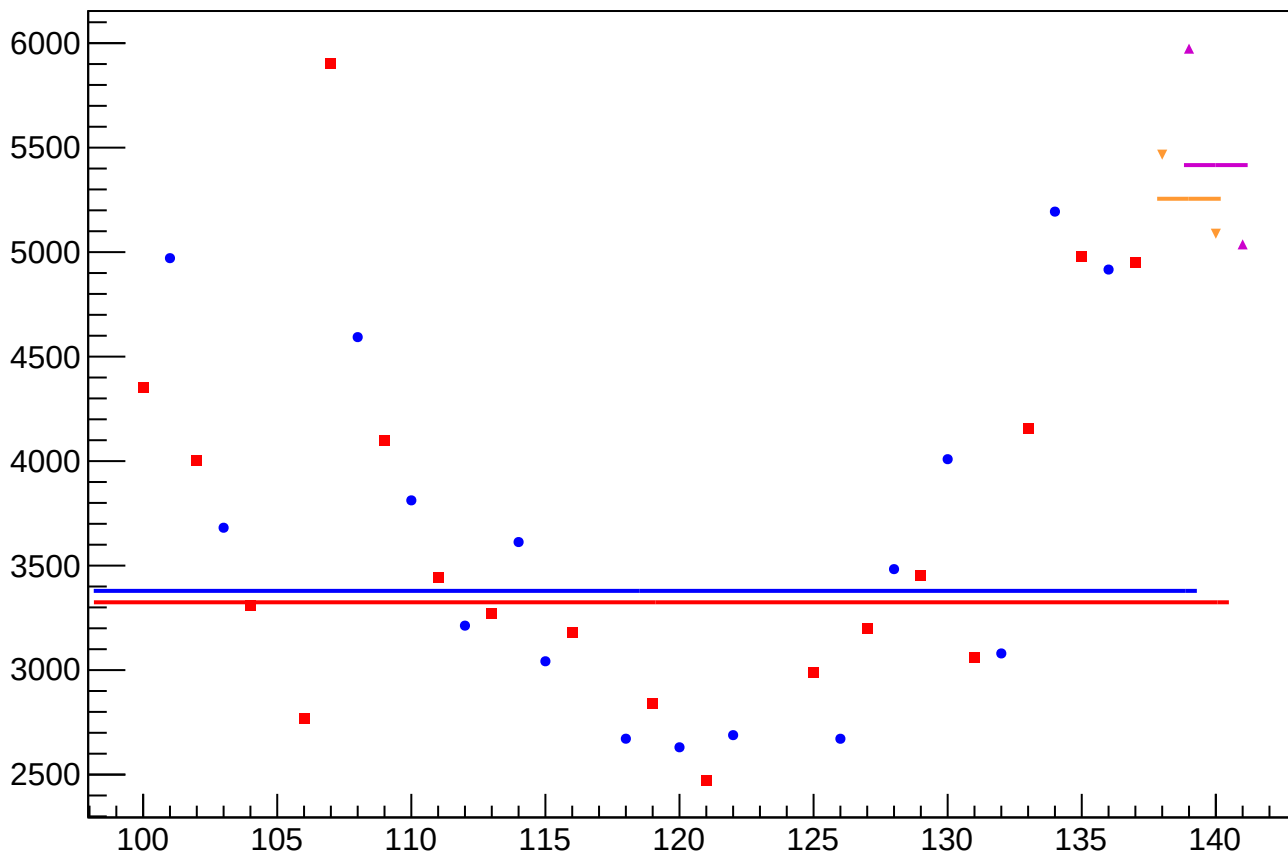
Left In: 1296.442 ± 4146.390 χ^2/NDF : 0.2/1

+ sign -68.784 ± 1236.230 χ^2/NDF : 17.2/17

All: -206.339 ± 863.523 χ^2/NDF : 36.3/37

- sign -337.406 ± 1206.718 χ^2/NDF : 19.0/19

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

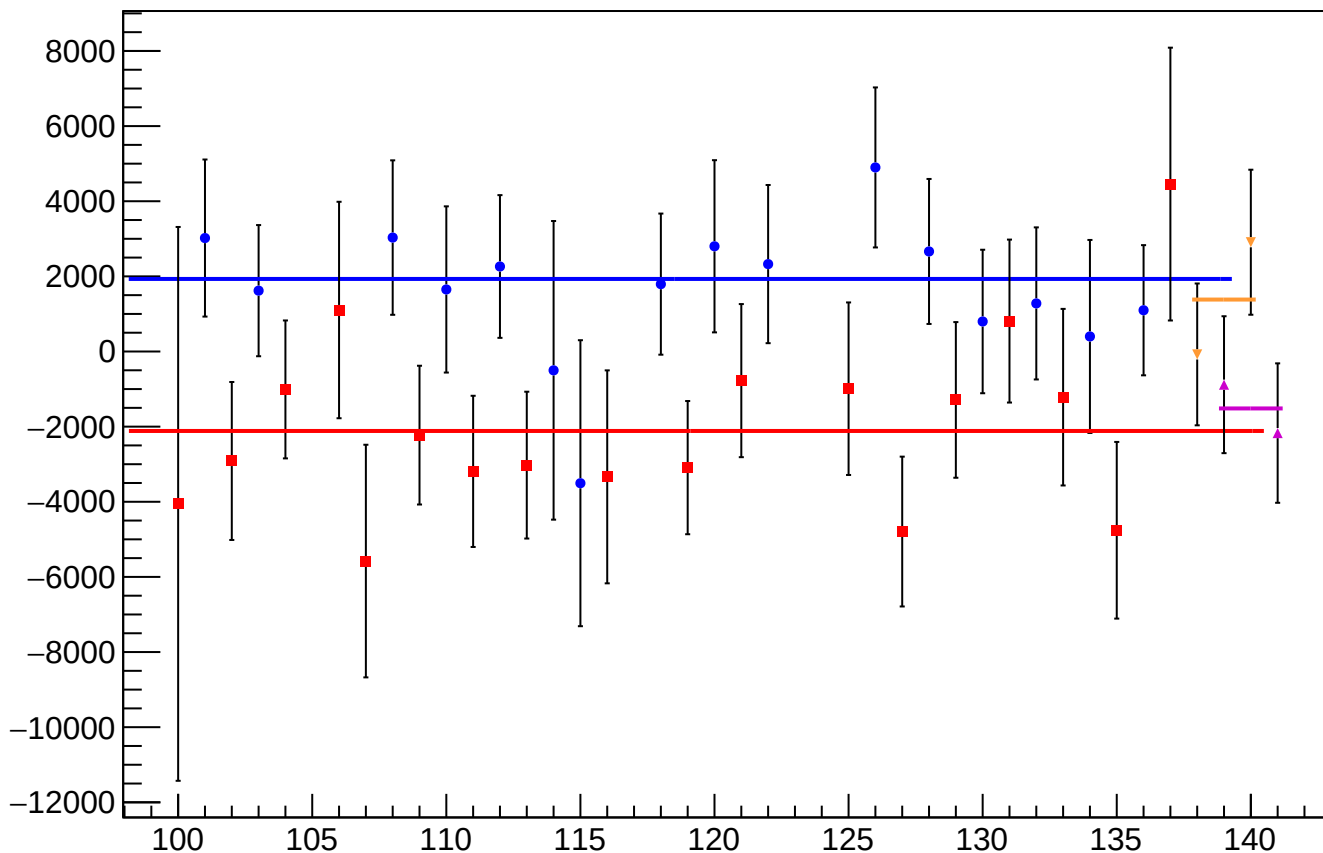
Left In: 5416.502+/-2.932 χ^2/NDF : 24589.9/1

+ sign 3545.362+/-0.874 χ^2/NDF : 1131480.2/17

All: 3522.973+/-0.611 χ^2/NDF : 2167178.9/37

- sign 3501.641+/-0.853 χ^2/NDF : 1034417.8/19

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

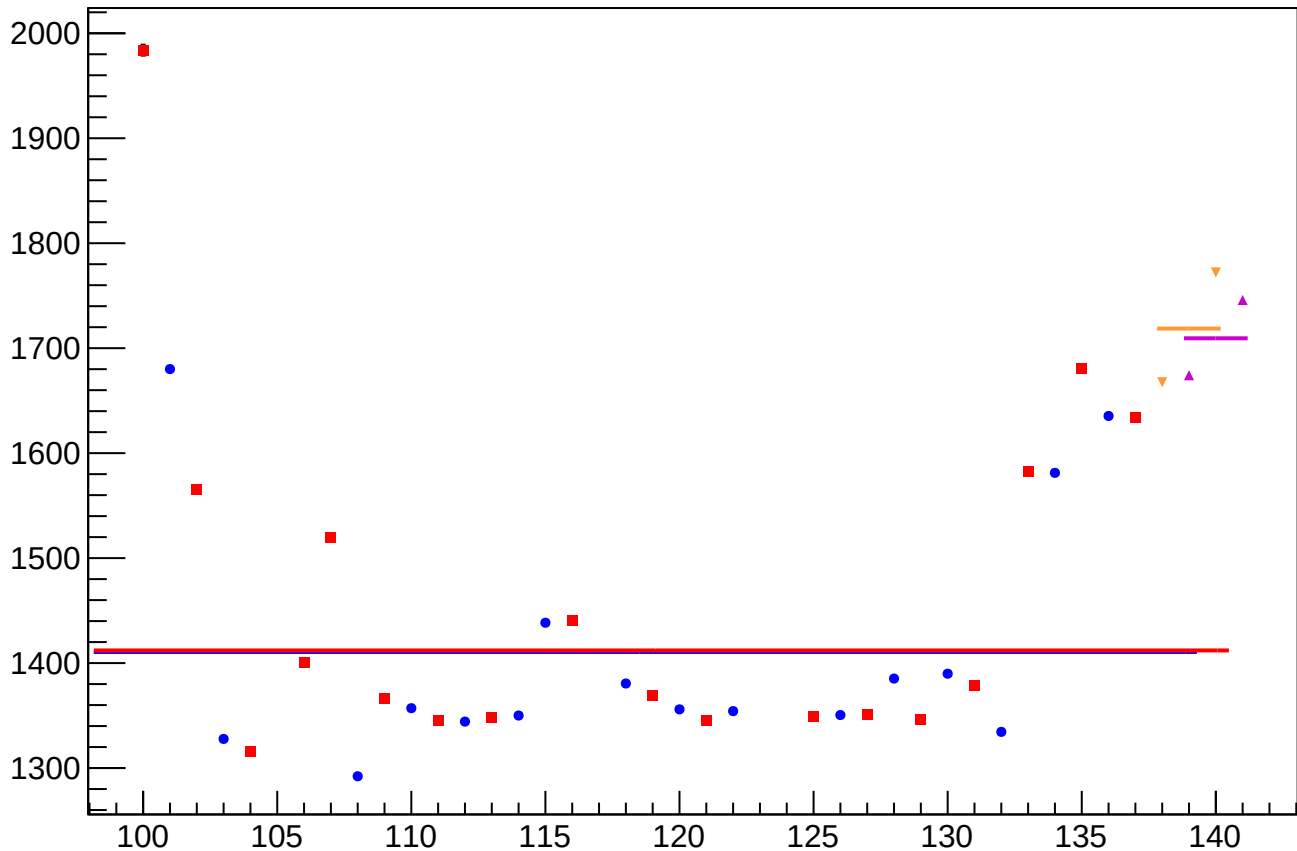
Left In: -1515.730 $\pm$ 1300.195 χ^2 /NDF:0.2/1

+ sign 1858.878 $\pm$ 491.008 χ^2 /NDF: 7.7/17

All: -90.252 $\pm$ 346.781 χ^2 /NDF: 52.8/37

- sign -2030.109 $\pm$ 489.839 χ^2 /NDF: 13.6/19

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2 /NDF: 99150.0/15

Left Out: 1718.664+/-0.954 χ^2 /NDF:3008.5/1

Right Out: 1412.048+/-0.373 χ^2 /NDF: 89704.5/17

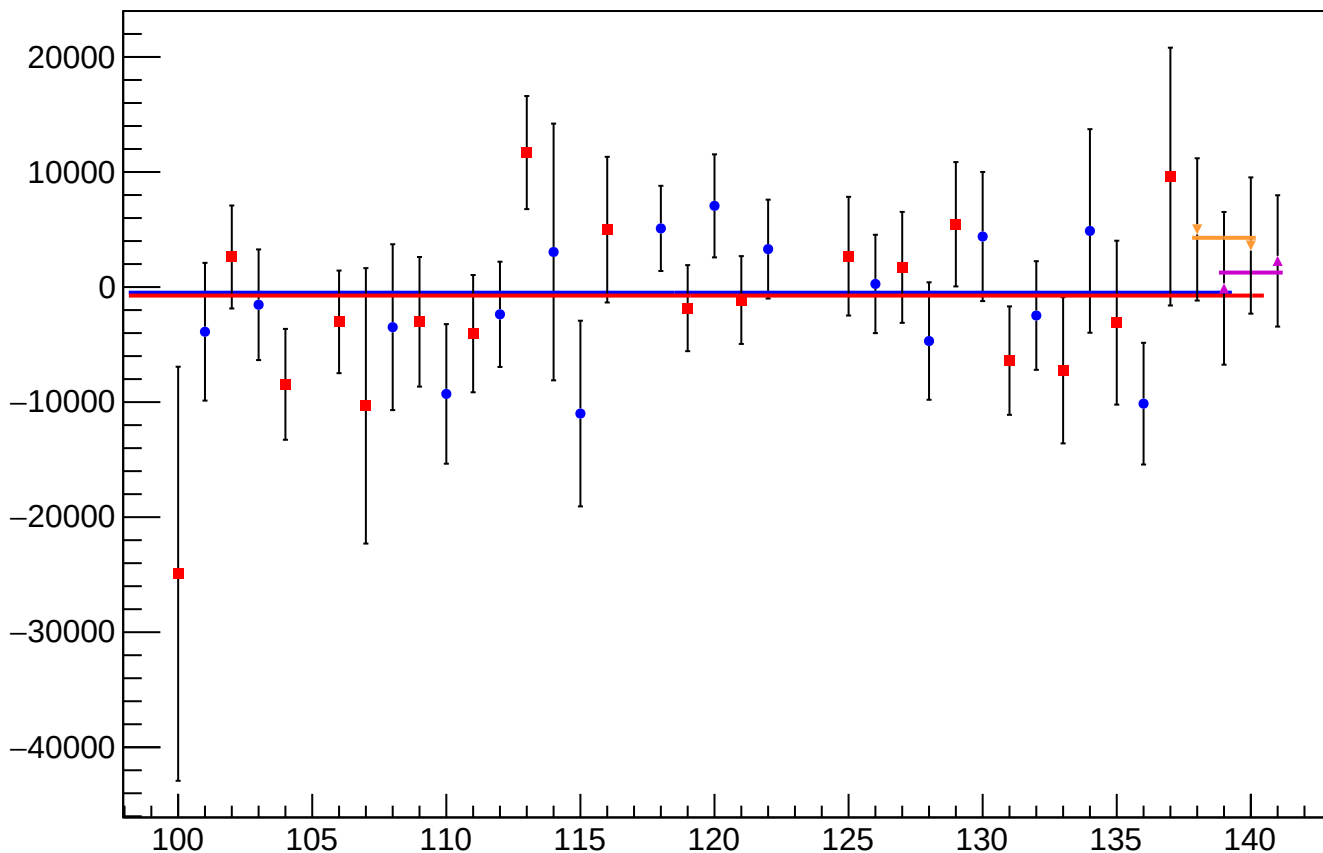
Left In: 1709.409+/-0.919 χ^2 /NDF:1517.7/1

+ sign 1451.375+/-0.347 χ^2 /NDF: 192581.2/17

All: 1452.724+/-0.245 χ^2 /NDF: 373665.4/37

- sign 1454.061+/-0.346 χ^2 /NDF: 181054.1/19

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

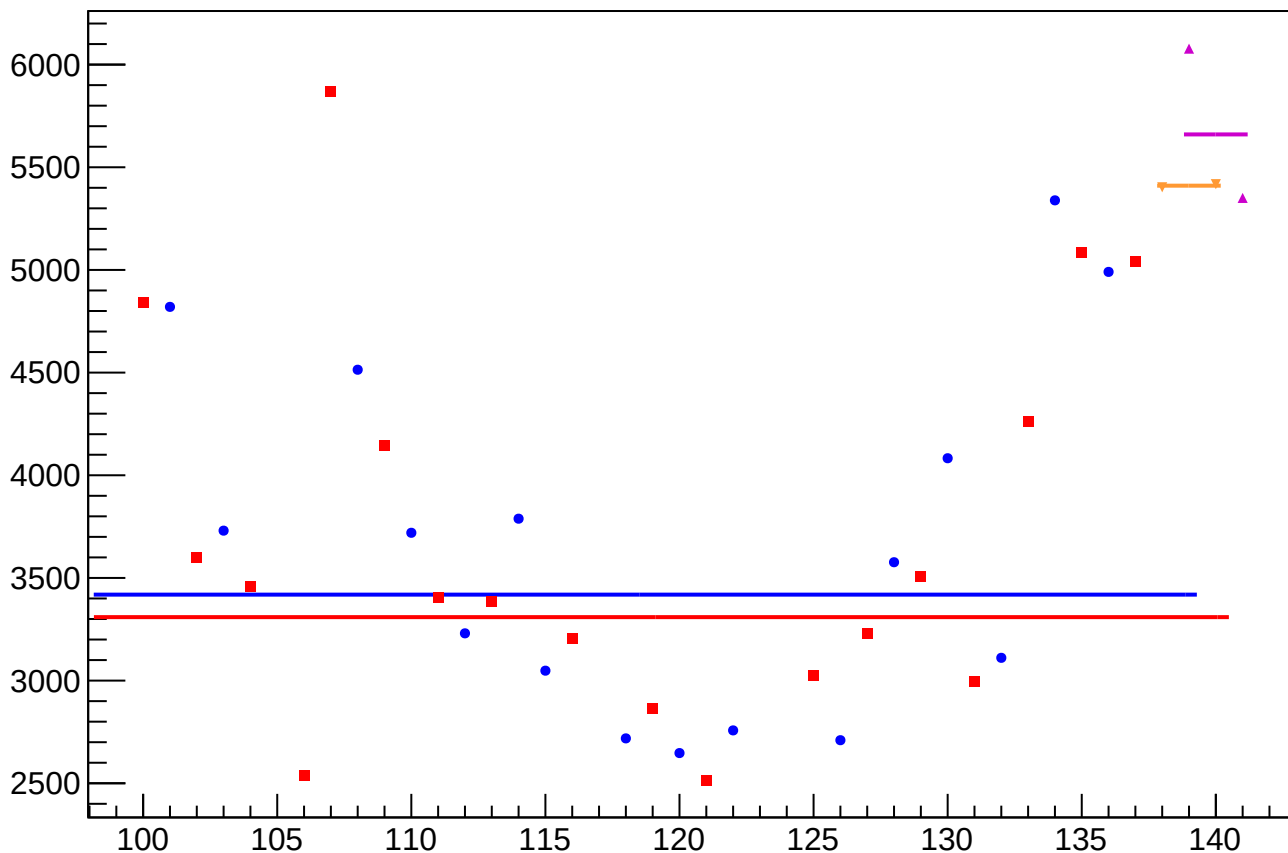
Left In: 1259.386+/-4327.843 χ^2/NDF : 0.1/1

+ sign -80.986+/-1251.417 χ^2/NDF : 17.0/17

All: -344.826+/-865.794 χ^2/NDF : 36.5/37

- sign -587.064+/-1199.092 χ^2/NDF : 19.5/19

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF : 721215.3/15

Left Out: 5410.346+/-3.024 χ^2/NDF : 6.3/1

Right Out: 3309.112+/-0.882 χ^2/NDF : 571940.6/17

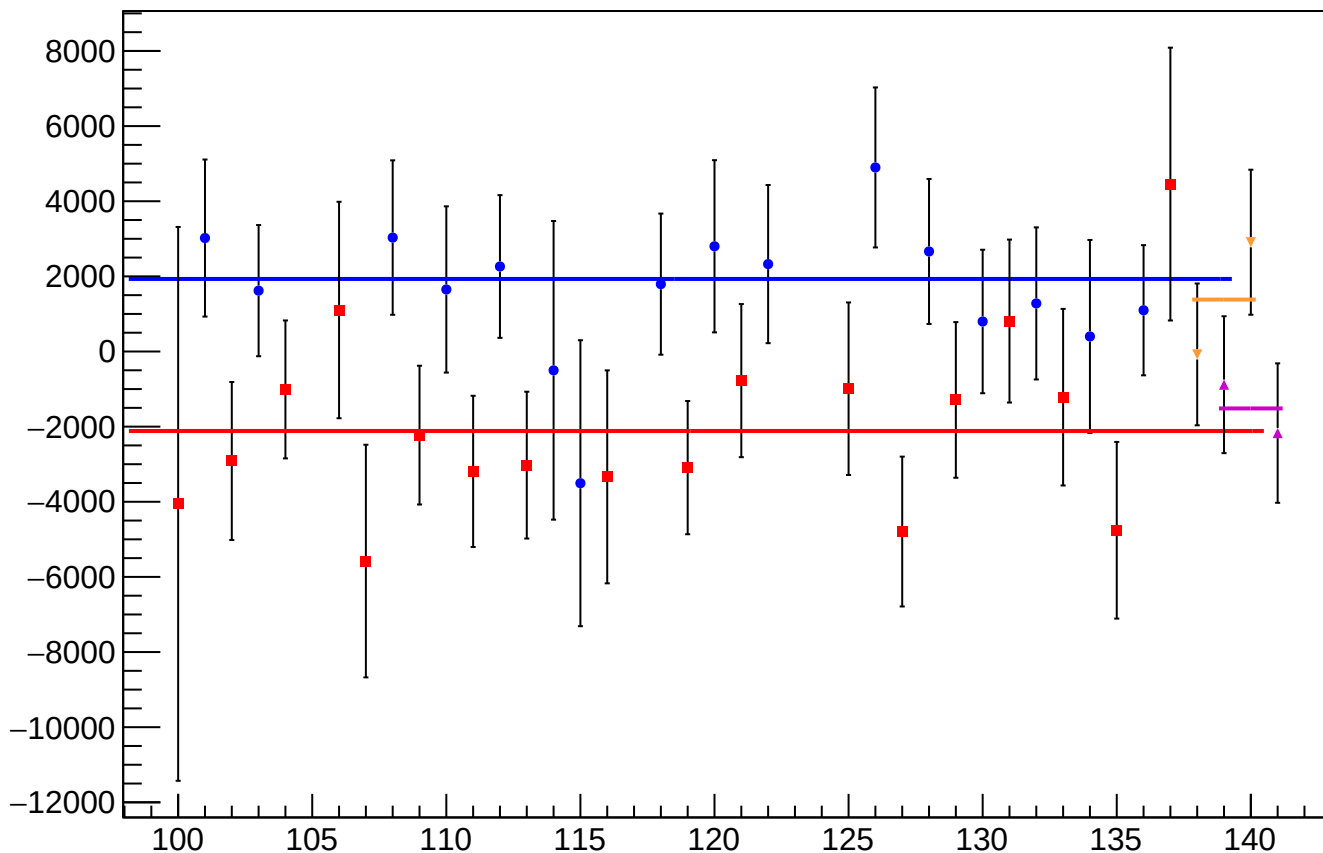
Left In: 5659.971+/-3.060 χ^2/NDF : 13793.1/1

+ sign 3589.213+/-0.885 χ^2/NDF : 1117793.6/17

All: 3537.267+/-0.612 χ^2/NDF : 2254956.2/37

- sign 3489.575+/-0.848 χ^2/NDF : 1130552.8/19

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

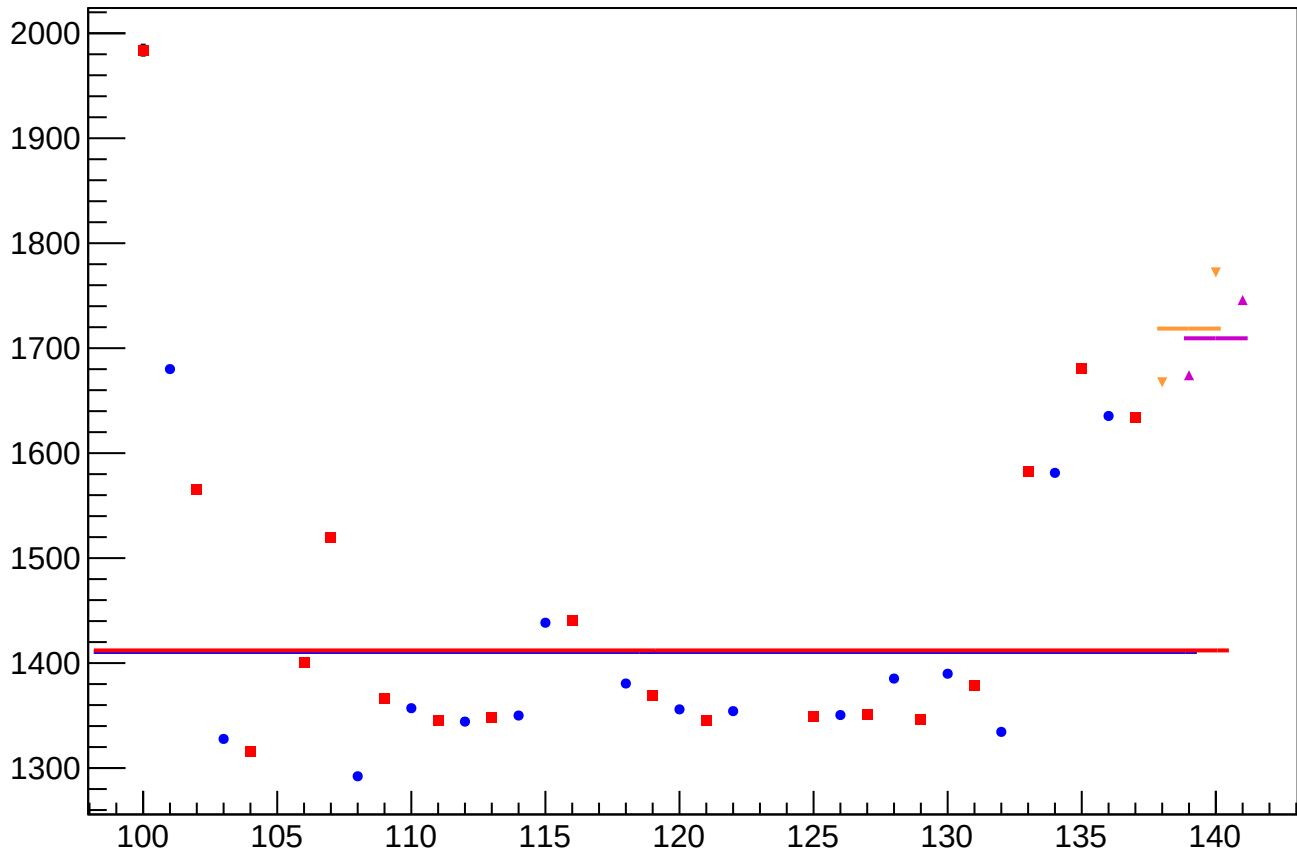
Left In: -1515.729 $\pm$ 1300.196 χ^2 /NDF:0.2/1

+ sign 1858.881 $\pm$ 491.008 χ^2 /NDF: 7.7/17

All: -90.251 $\pm$ 346.781 χ^2 /NDF: 52.8/37

- sign -2030.110 $\pm$ 489.839 χ^2 /NDF: 13.6/19

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF : 99150.0/15

Left Out: 1718.665+/-0.954 χ^2/NDF : 3008.6/1

Right Out: 1412.048+/-0.373 χ^2/NDF : 89704.6/17

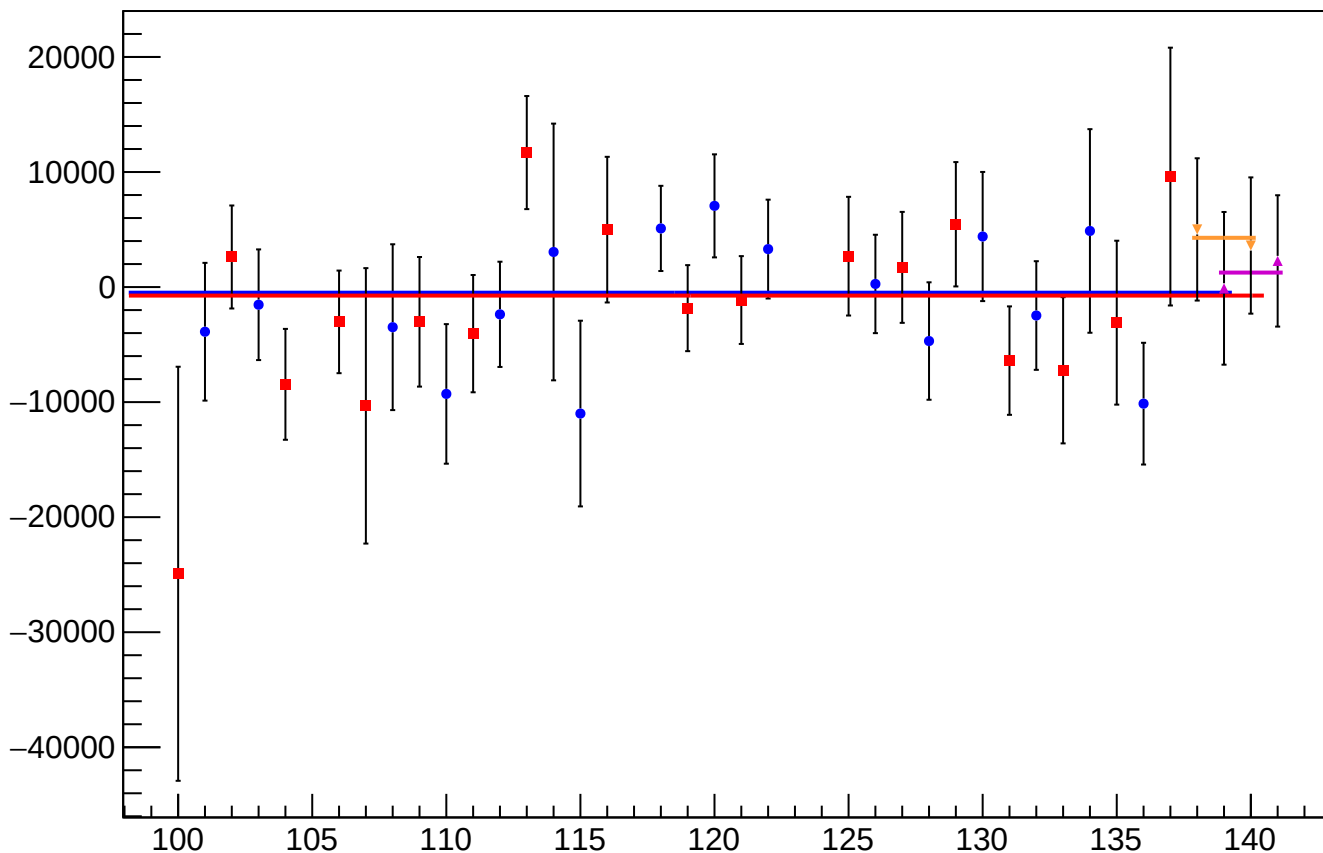
Left In: 1709.411+/-0.919 χ^2/NDF : 1517.7/1

+ sign 1451.375+/-0.347 χ^2/NDF : 192581.6/17

All: 1452.724+/-0.245 χ^2/NDF : 373666.6/37

- sign 1454.061+/-0.346 χ^2/NDF : 181055.0/19

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

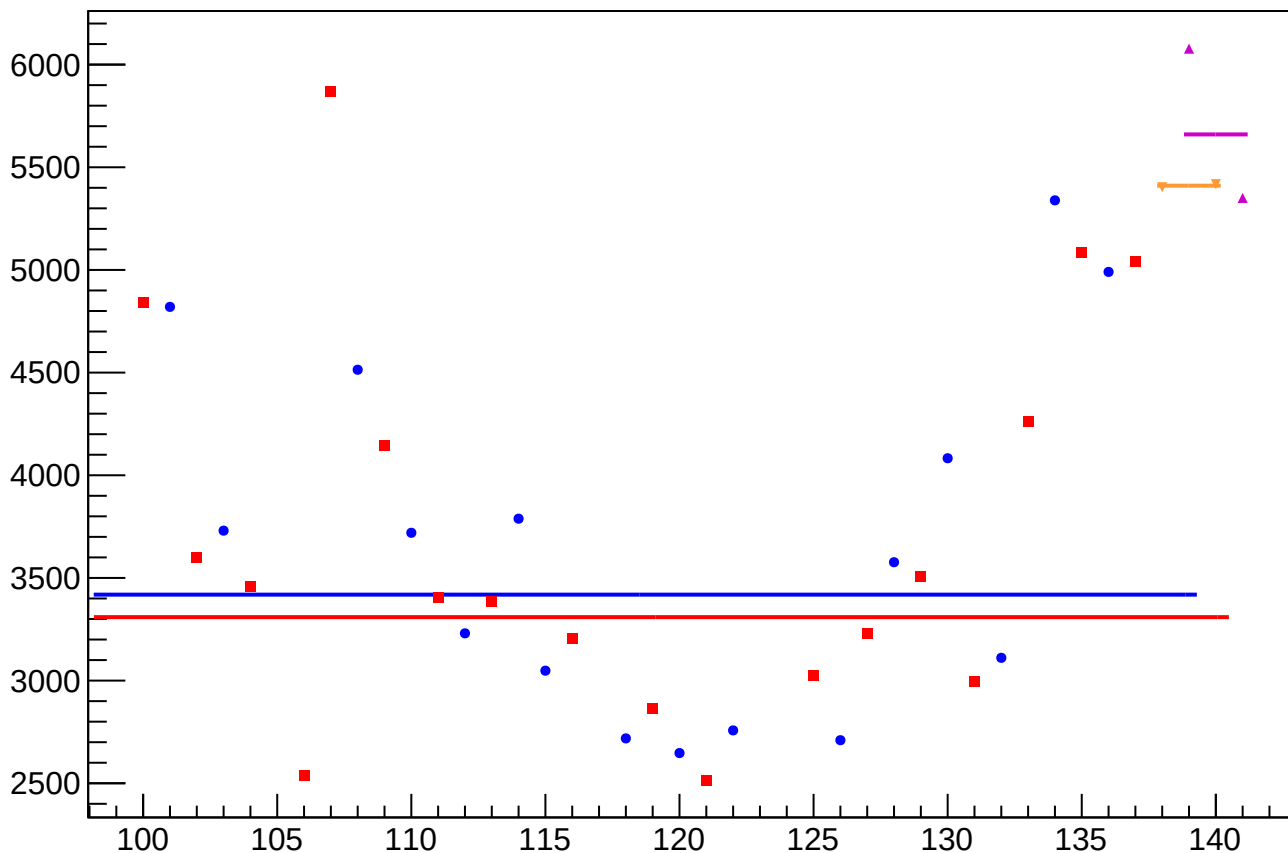
Left In: 1259.386 ± 4327.853 χ^2/NDF : 0.1/1

+ sign -80.983 ± 1251.414 χ^2/NDF : 17.0/17

All: -344.827 ± 865.791 χ^2/NDF : 36.5/37

- sign -587.068 ± 1199.089 χ^2/NDF : 19.5/19

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

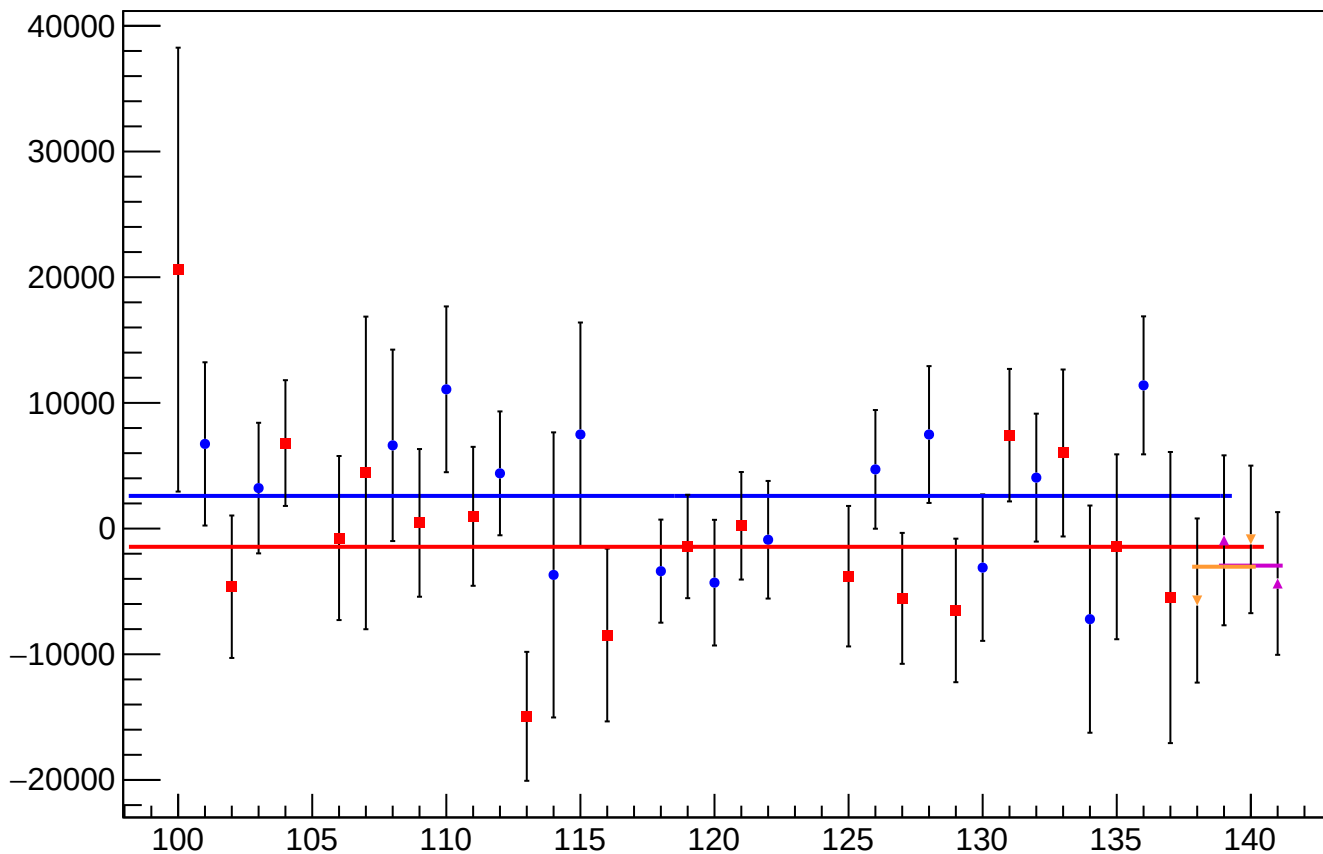
Left In: 5659.983+/-3.060 χ^2/NDF : 13793.5/1

+ sign 3589.202+/-0.885 χ^2/NDF : 1117810.3/17

All: 3537.257+/-0.612 χ^2/NDF : 2254985.6/37

- sign 3489.565+/-0.848 χ^2/NDF : 1130565.5/19

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF : 13.5/15

Left Out: -3033.989+/-4365.549 χ^2/NDF : 0.3/1

Right Out: -1450.418+/-1382.818 χ^2/NDF : 19.0/17

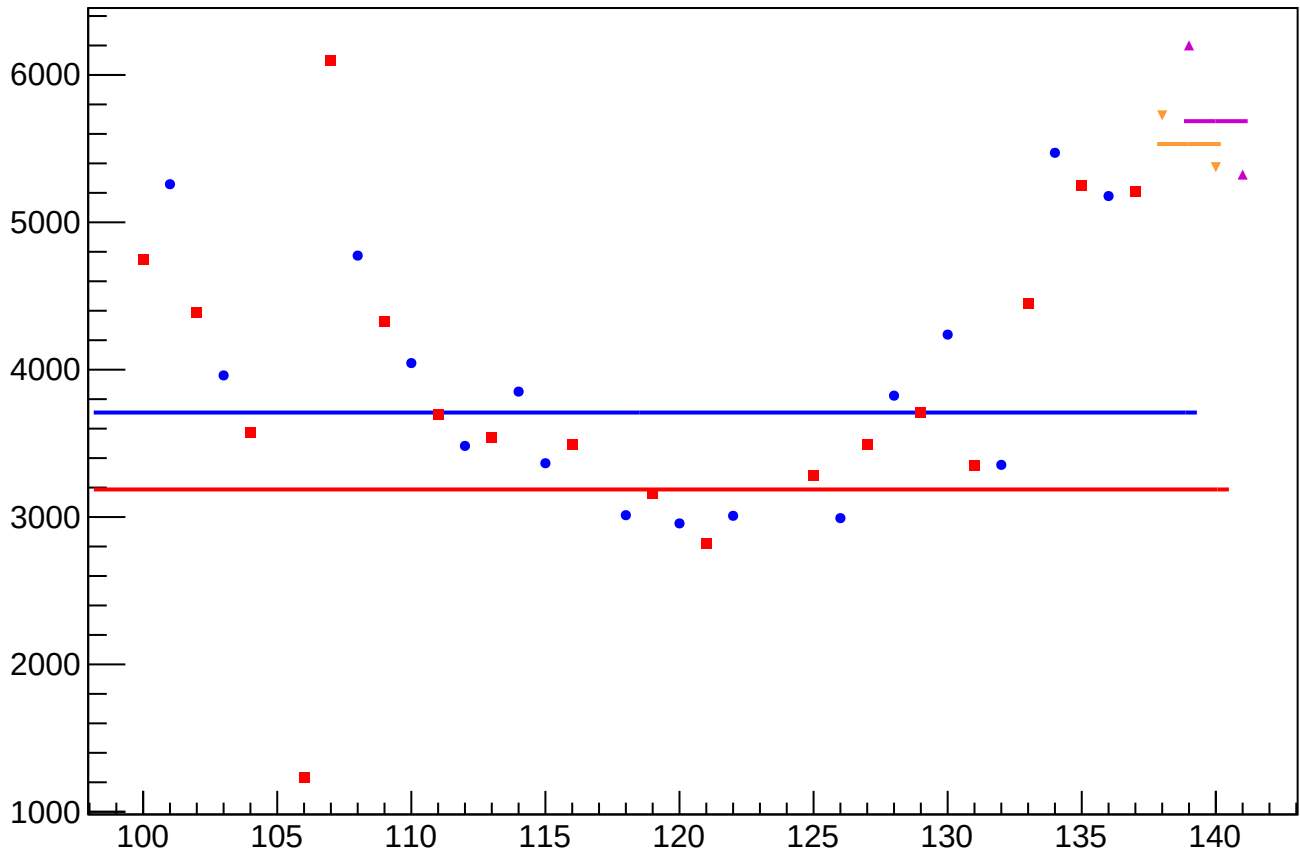
Left In: -2947.290+/-4347.803 χ^2/NDF : 0.2/1

+ sign 2064.370+/-1345.626 χ^2/NDF : 15.3/17

All: 200.032+/-941.499 χ^2/NDF : 38.4/37

- sign -1587.926+/-1317.773 χ^2/NDF : 19.3/19

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF : 610637.3/15

Left Out: 5531.087+/-3.087 χ^2/NDF :3208.2/1

Right Out: 3187.191+/-0.896 χ^2/NDF : 1610818.1/17

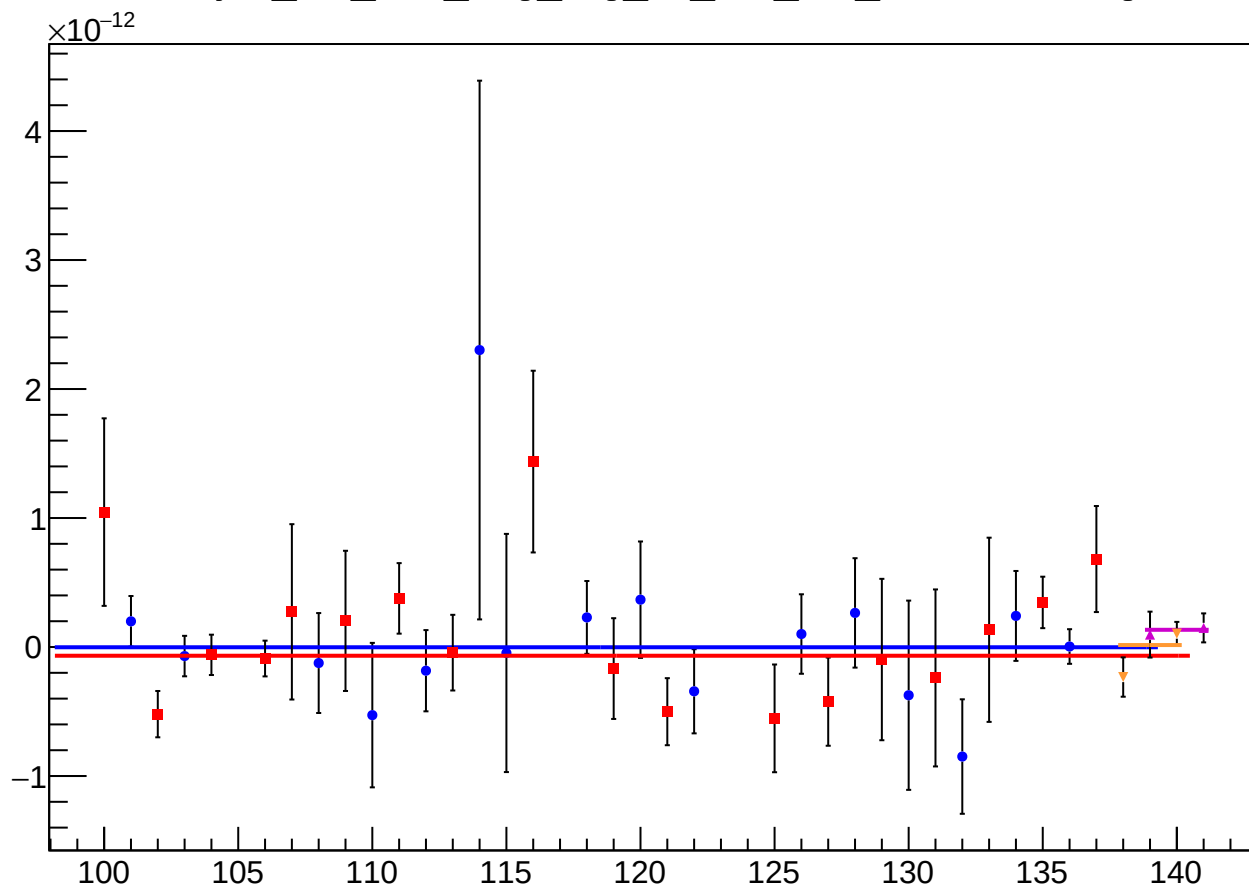
Left In: 5686.617+/-3.074 χ^2/NDF :19725.5/1

+ sign 3882.256+/-0.951 χ^2/NDF : 929099.5/17

All: 3607.257+/-0.638 χ^2/NDF : 3320638.4/37

- sign 3382.695+/-0.860 χ^2/NDF : 2239797.7/19

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

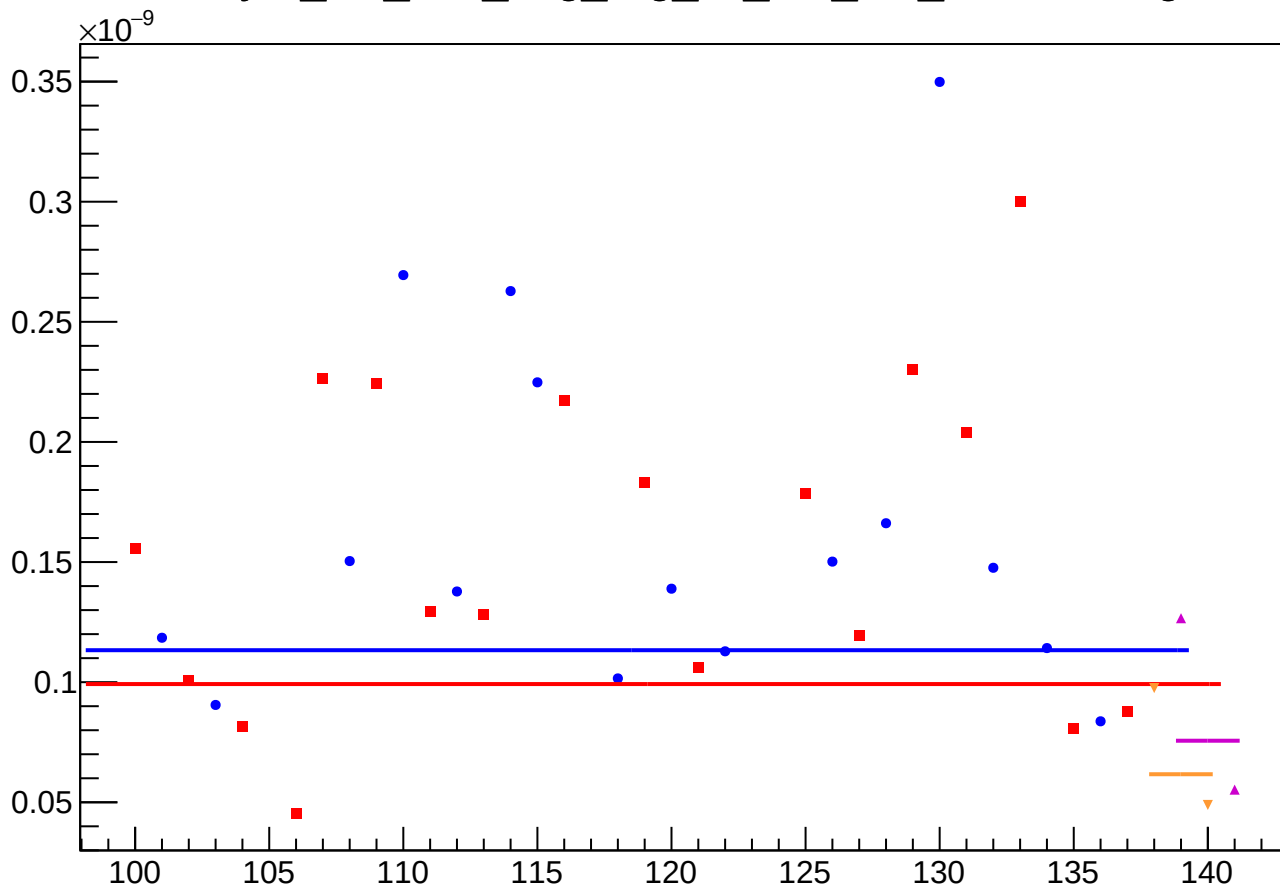
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 14.7/17

All: 0.000 ± 0.000 χ^2/NDF : 47.3/37

- sign -0.000 ± 0.000 χ^2/NDF : 32.6/19

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF :150265.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1100854.2/17

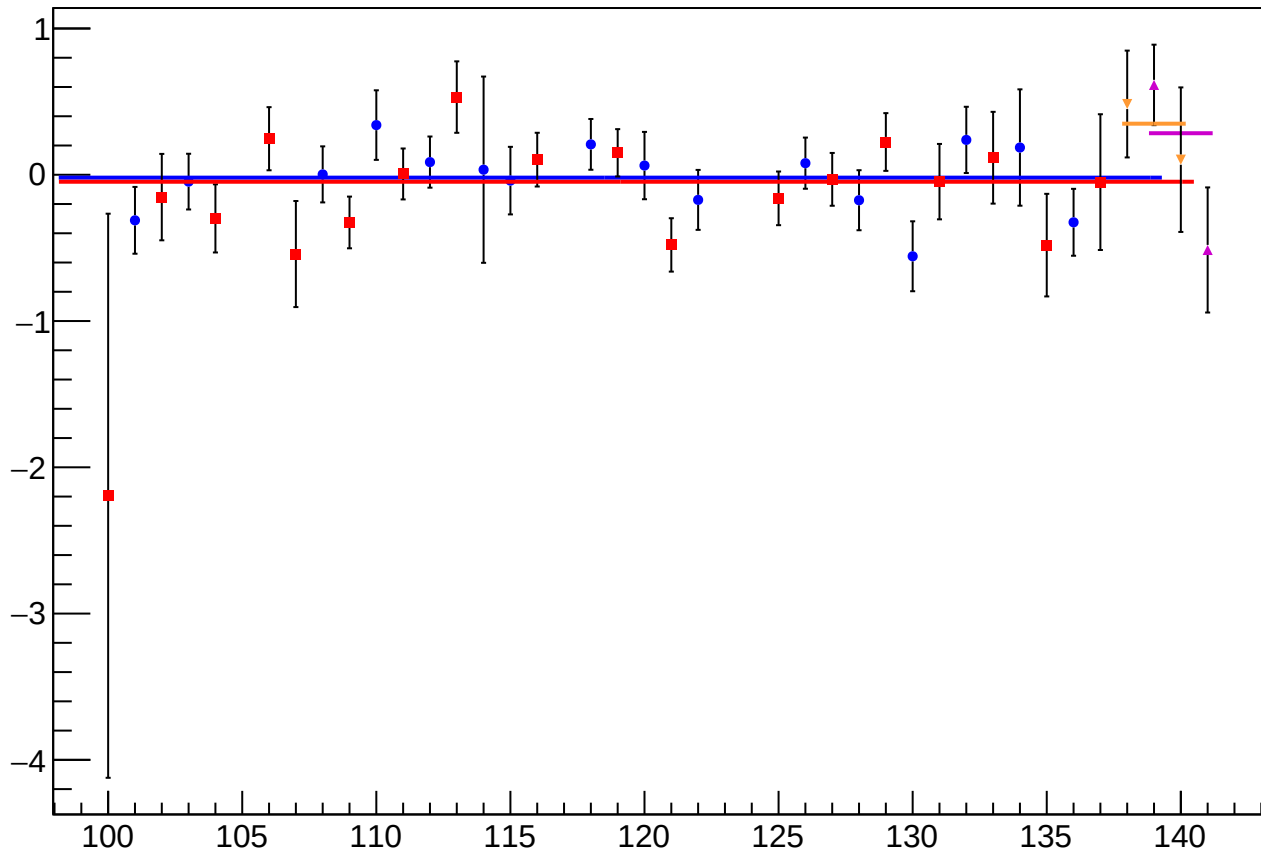
Left In: 0.000+/-0.000 χ^2/NDF :230009.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 1287790.8/17

All: 0.000+/-0.000 χ^2/NDF : 2702777.4/37

- sign 0.000+/-0.000 χ^2/NDF : 1414271.9/19

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 χ^2/NDF : 16.0/15

Left Out: 0.349 ± 0.294 χ^2/NDF : 0.4/1

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

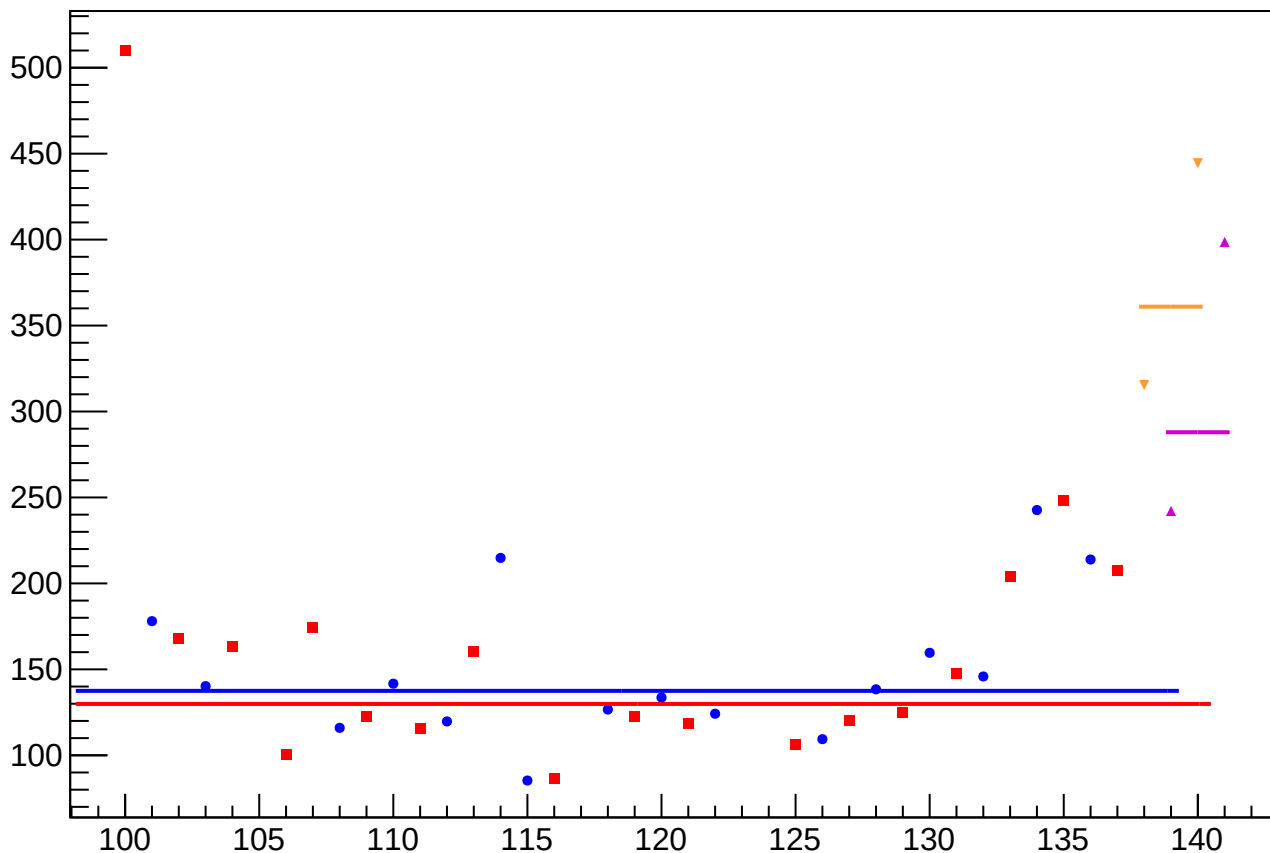
Left In: 0.284 ± 0.231 χ^2/NDF : 4.9/1

+ sign -0.008 ± 0.053 χ^2/NDF : 17.9/17

All: -0.020 ± 0.037 χ^2/NDF : 51.2/37

- sign -0.031 ± 0.051 χ^2/NDF : 33.2/19

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 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

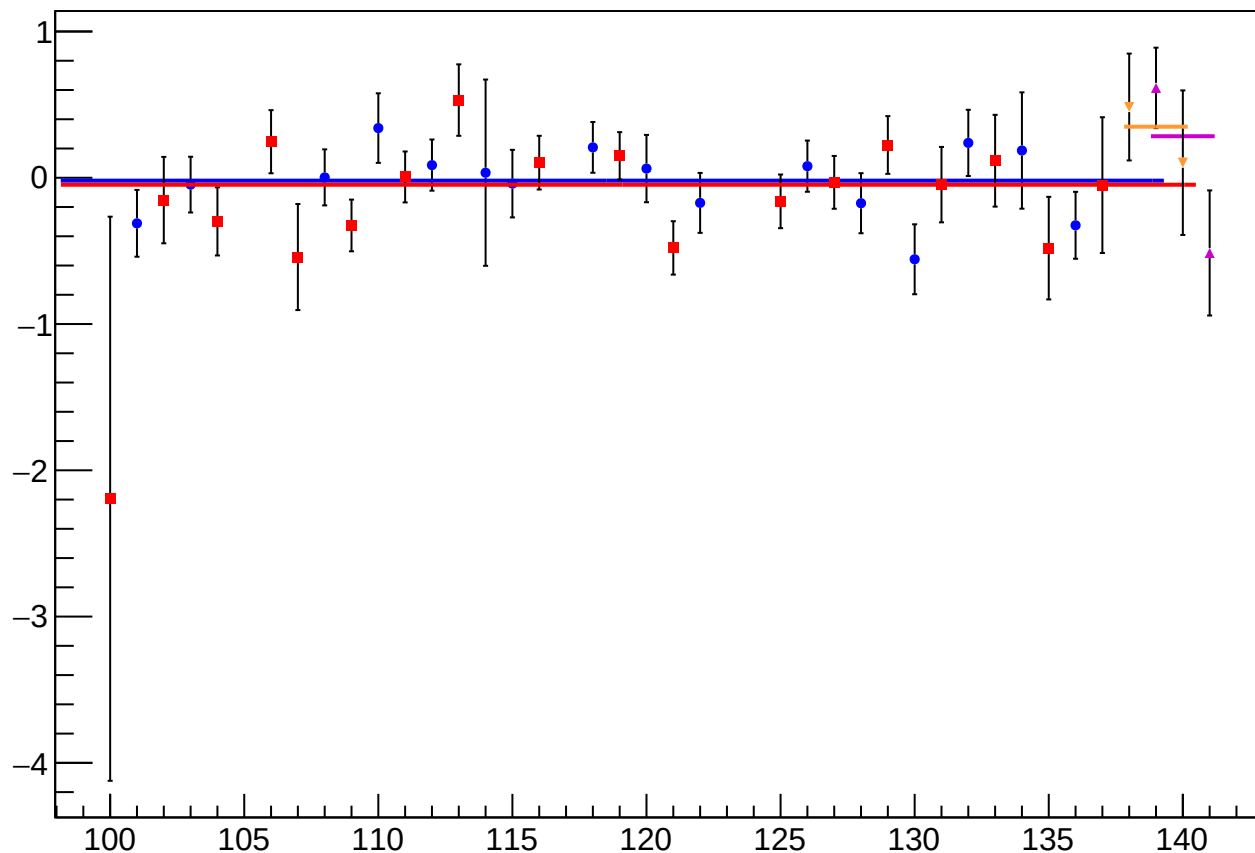
Left In: 287.945 $\pm$ 0.164 χ^2 /NDF: 189442.9/1

+ sign 144.856 $\pm$ 0.038 χ^2 /NDF: 1901456.0/17

All: 141.095 $\pm$ 0.026 χ^2 /NDF: 3831691.1/37

- sign 137.625 $\pm$ 0.036 χ^2 /NDF: 1911089.1/19

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 $\chi^2/\text{NDF}: 16.0/15$

Left Out: 0.349 ± 0.294 $\chi^2/\text{NDF}: 0.4/1$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

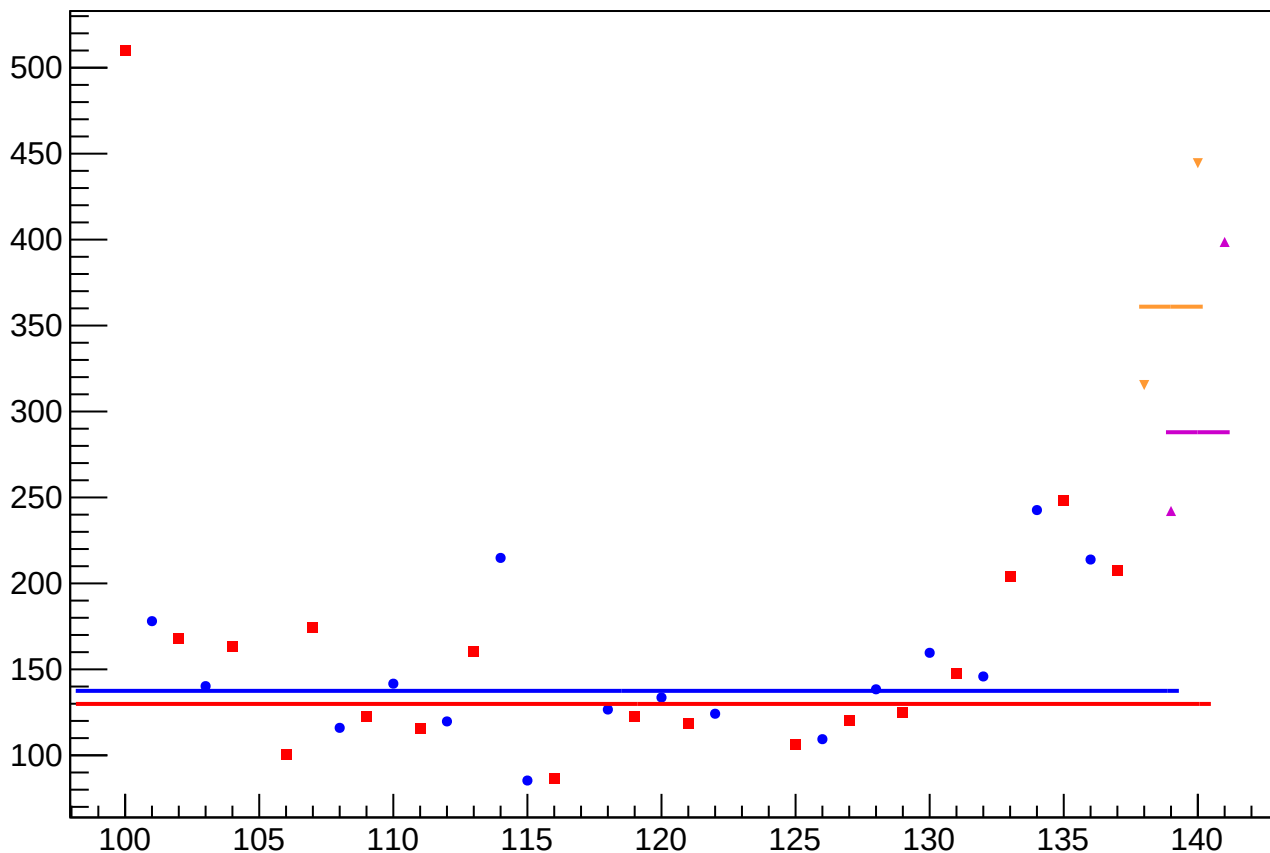
Left In: 0.284 ± 0.231 $\chi^2/\text{NDF}: 4.9/1$

+ sign -0.008 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

All: -0.020 ± 0.037 $\chi^2/\text{NDF}: 51.2/37$

- sign -0.031 ± 0.051 $\chi^2/\text{NDF}: 33.2/19$

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF : 692947.9/15

Left Out: 360.986+/-0.208 χ^2/NDF : 88237.4/1

Right Out: 129.887+/-0.037 χ^2/NDF : 833983.9/17

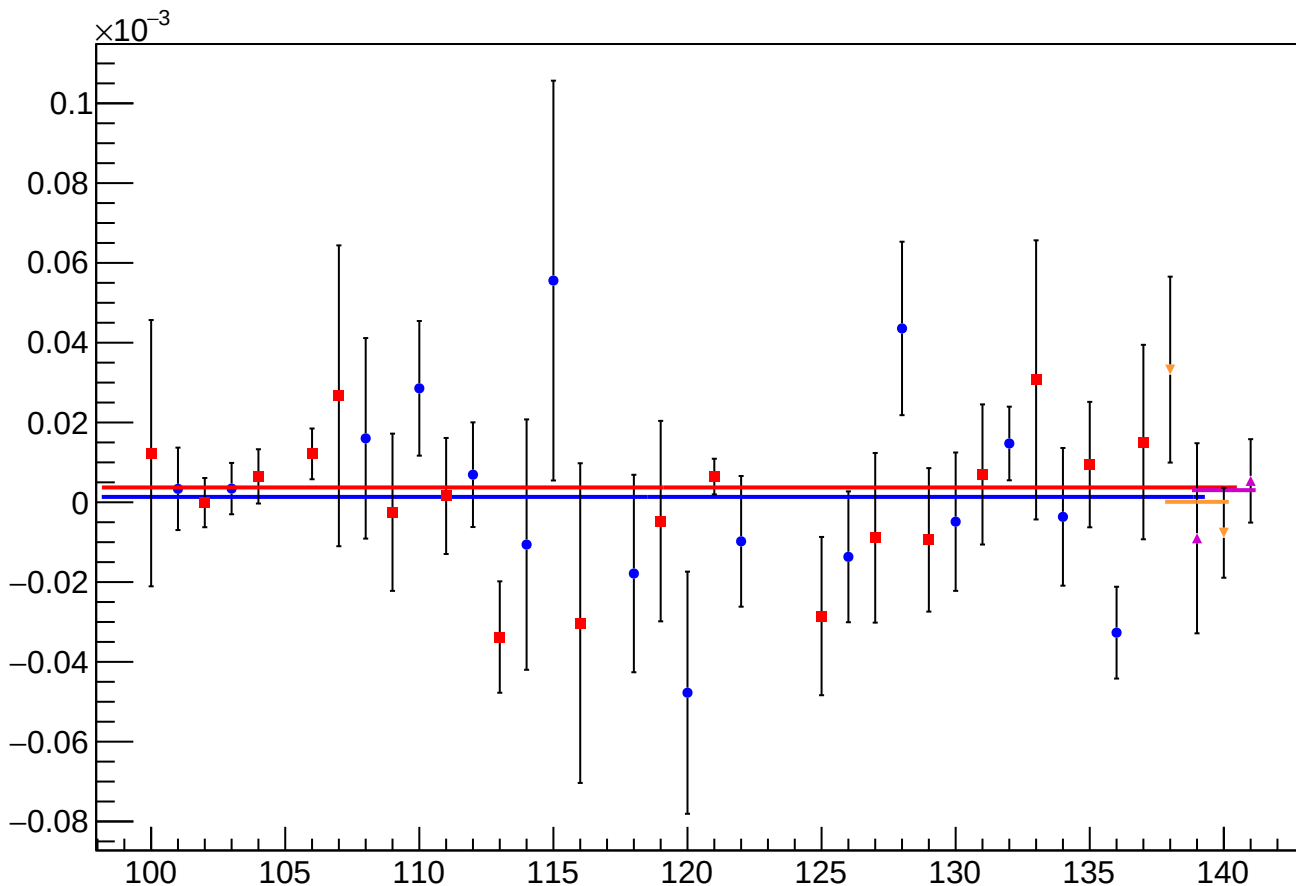
Left In: 287.945+/-0.164 χ^2/NDF : 189442.9/1

+ sign 144.856+/-0.038 χ^2/NDF : 1901456.0/17

All: 141.095+/-0.026 χ^2/NDF : 3831691.1/37

- sign 137.625+/-0.036 χ^2/NDF : 1911089.1/19

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

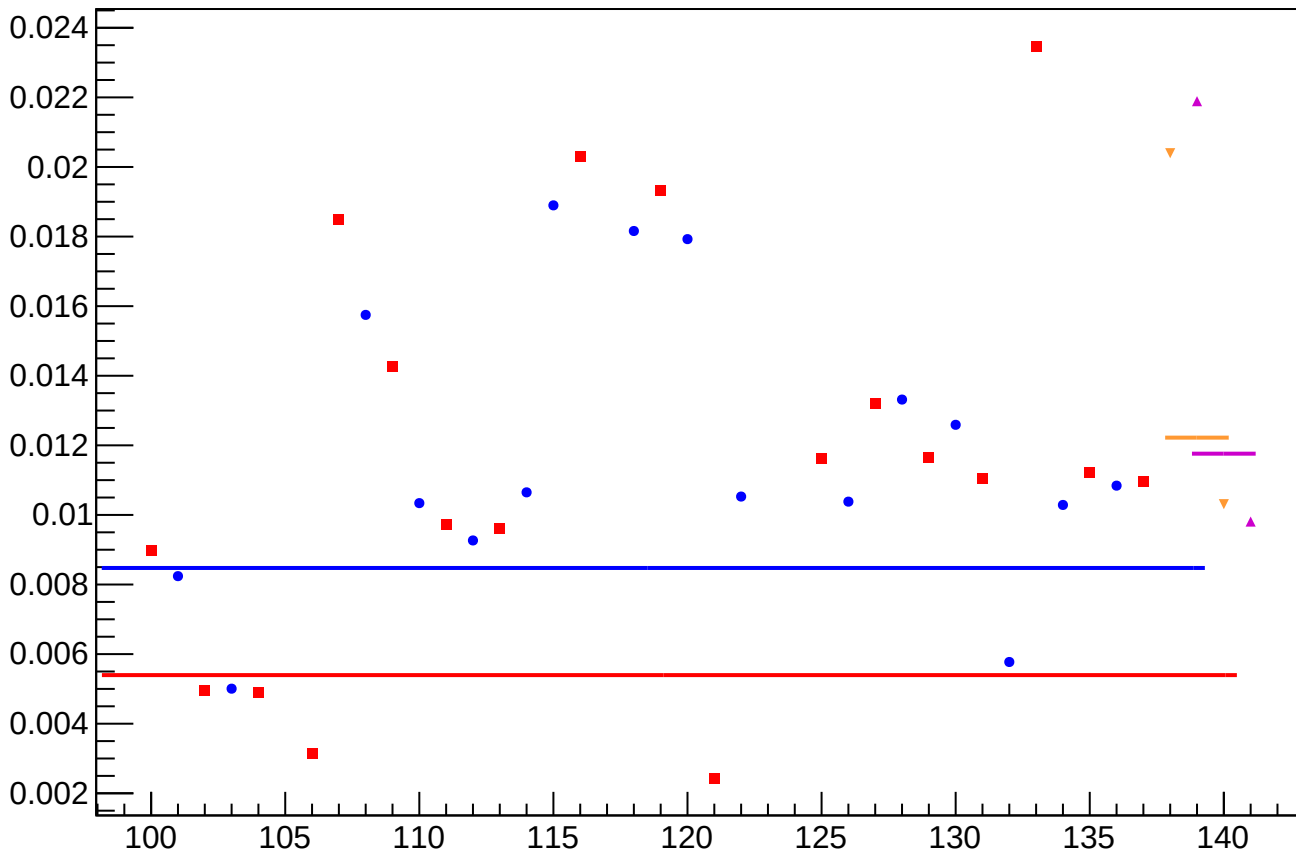
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 26.4/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 42.9/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16.1/19

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1925998.4/15

Left Out: 0.012+/-0.000 χ^2/NDF :303754.5/1

Right Out: 0.005+/-0.000 χ^2/NDF : 4909074.3/17

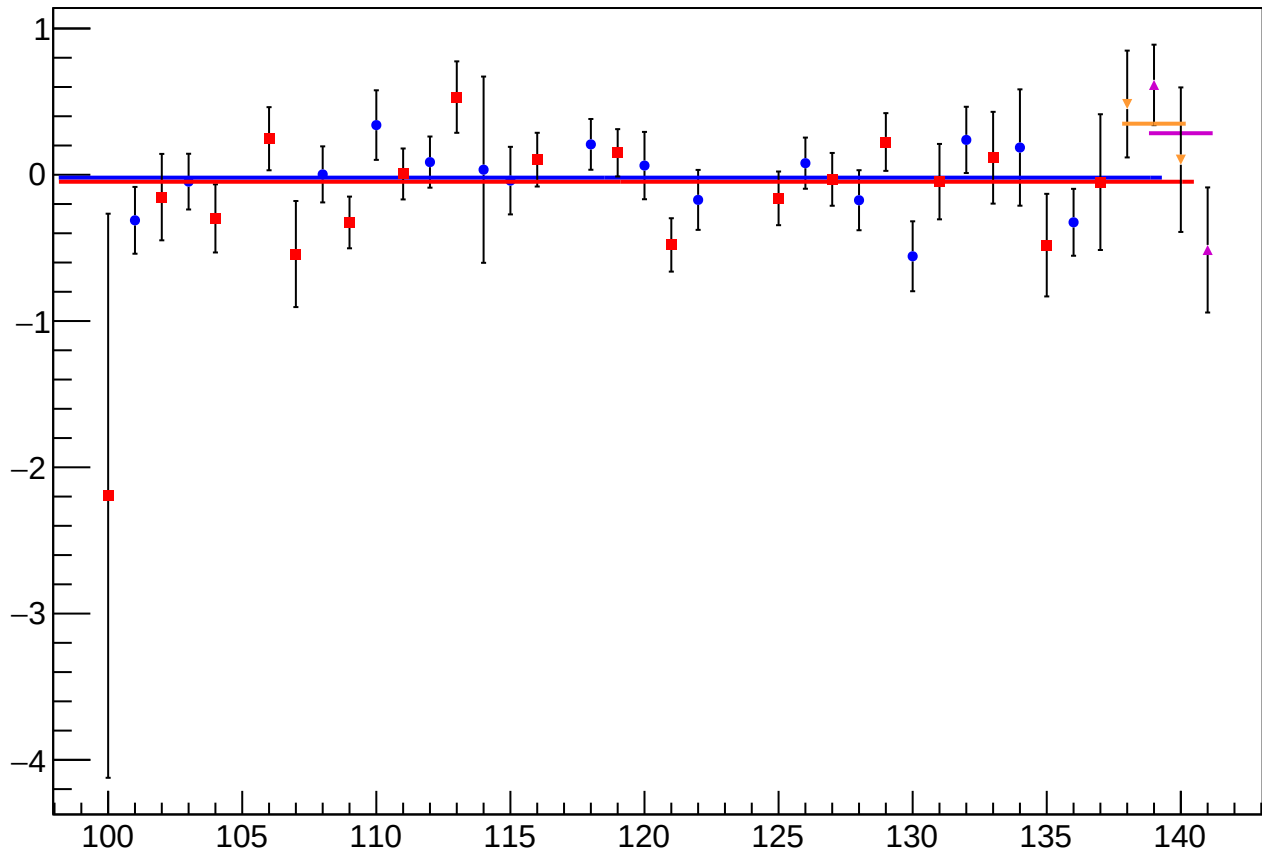
Left In: 0.012+/-0.000 χ^2/NDF :431261.6/1

+ sign 0.009+/-0.000 χ^2/NDF : 2474114.5/17

All: 0.007+/-0.000 χ^2/NDF : 9761283.5/37

- sign 0.006+/-0.000 χ^2/NDF : 6166441.2/19

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 χ^2/NDF : 16.0/15

Left Out: 0.349 ± 0.294 χ^2/NDF : 0.4/1

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

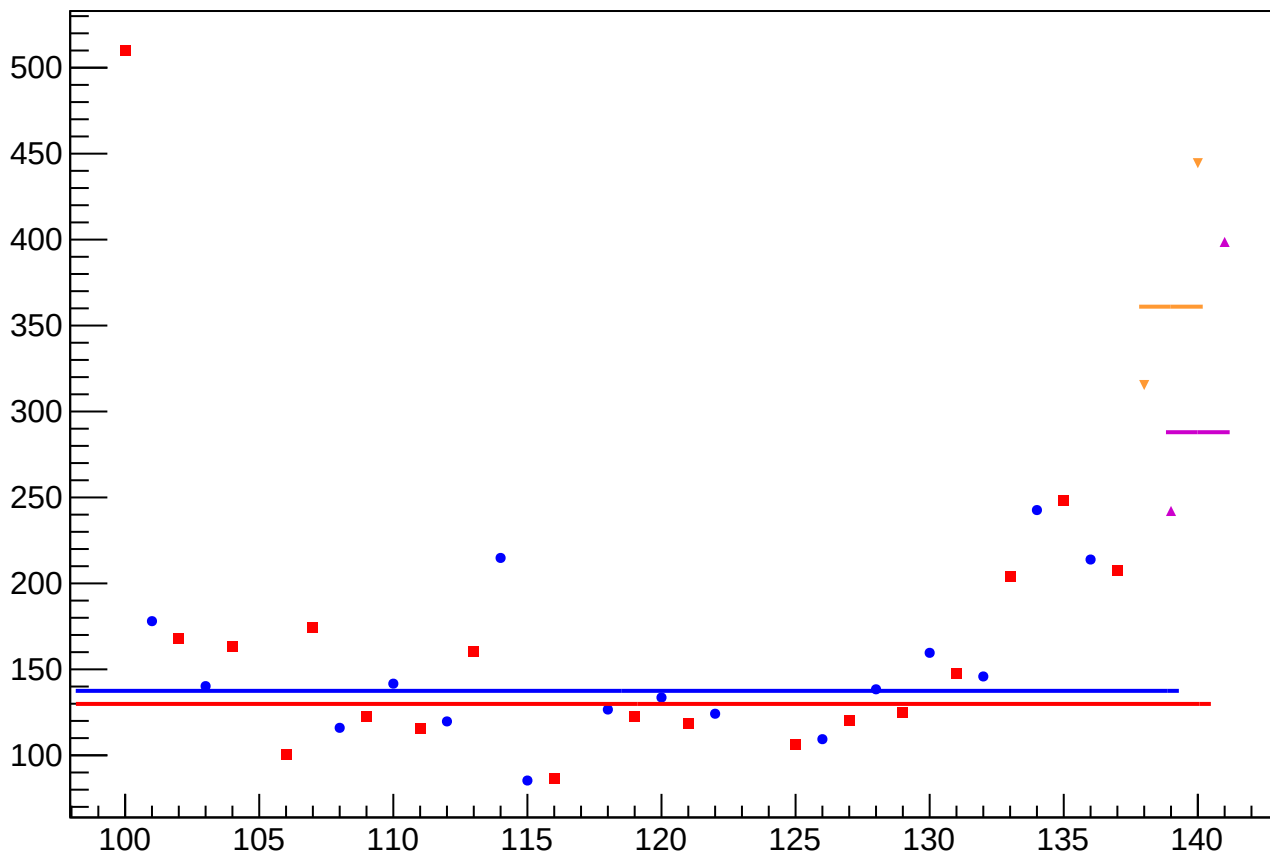
Left In: 0.284 ± 0.231 χ^2/NDF : 4.9/1

+ sign -0.008 ± 0.053 χ^2/NDF : 17.9/17

All: -0.020 ± 0.037 χ^2/NDF : 51.2/37

- sign -0.031 ± 0.051 χ^2/NDF : 33.2/19

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF : 692923.1/15

Left Out: 360.989+/-0.208 χ^2/NDF : 88241.3/1

Right Out: 129.887+/-0.037 χ^2/NDF : 833937.8/17

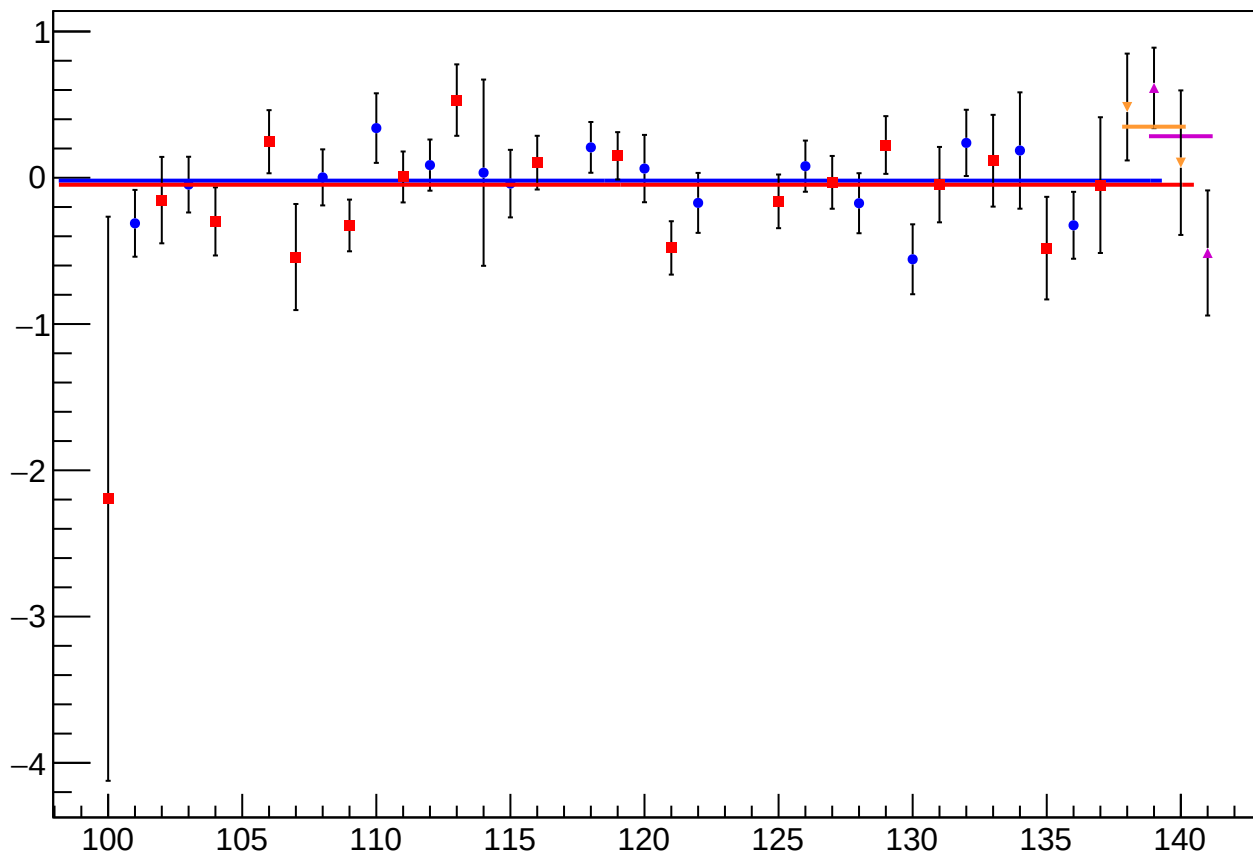
Left In: 287.953+/-0.164 χ^2/NDF : 189431.9/1

+ sign 144.856+/-0.038 χ^2/NDF : 1901449.4/17

All: 141.095+/-0.026 χ^2/NDF : 3831669.2/37

- sign 137.625+/-0.036 χ^2/NDF : 1911074.7/19

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 χ^2/NDF : 16.0/15

Left Out: 0.349 ± 0.294 χ^2/NDF : 0.4/1

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

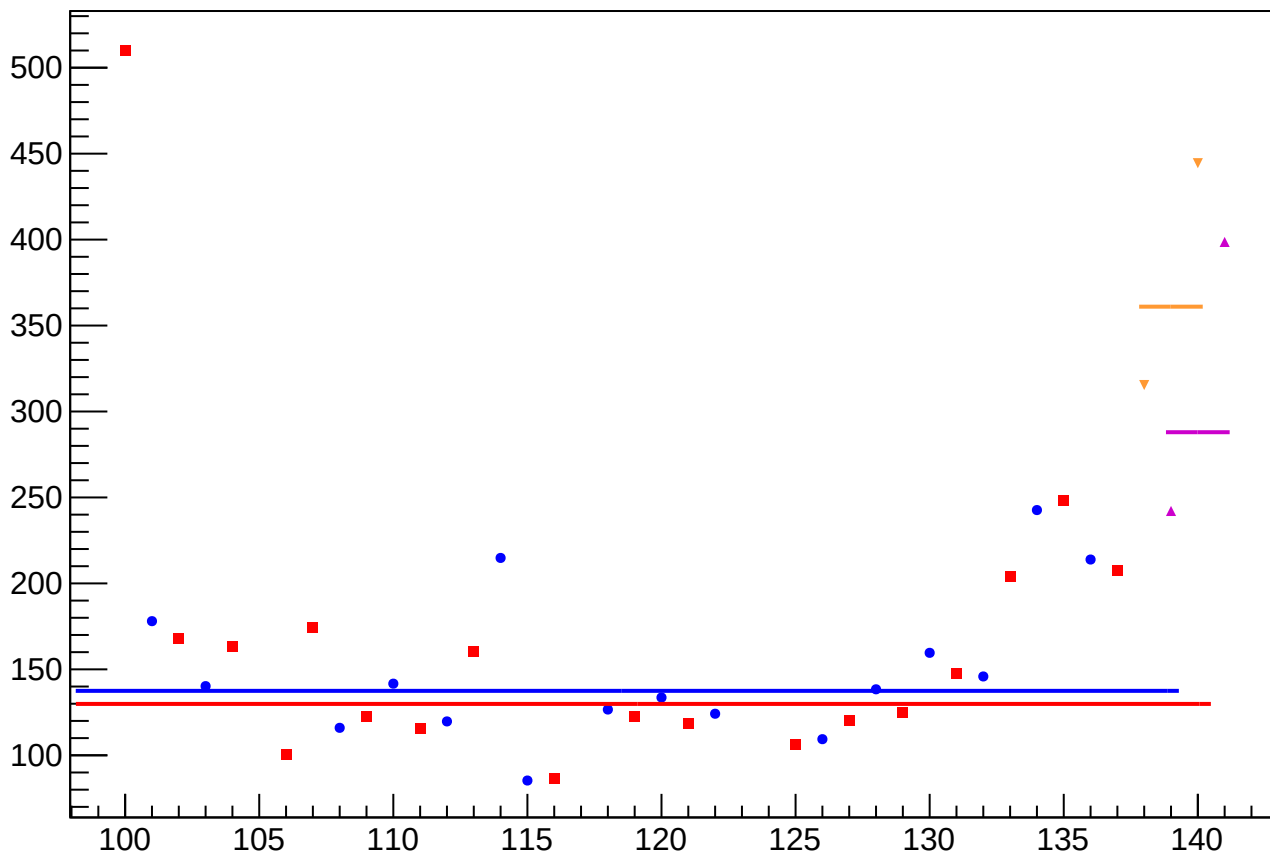
Left In: 0.284 ± 0.231 χ^2/NDF : 4.9/1

+ sign -0.008 ± 0.053 χ^2/NDF : 17.9/17

All: -0.020 ± 0.037 χ^2/NDF : 51.2/37

- sign -0.031 ± 0.051 χ^2/NDF : 33.2/19

asym_usl_atl2_avg_eigen_dit_vs_eigen_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

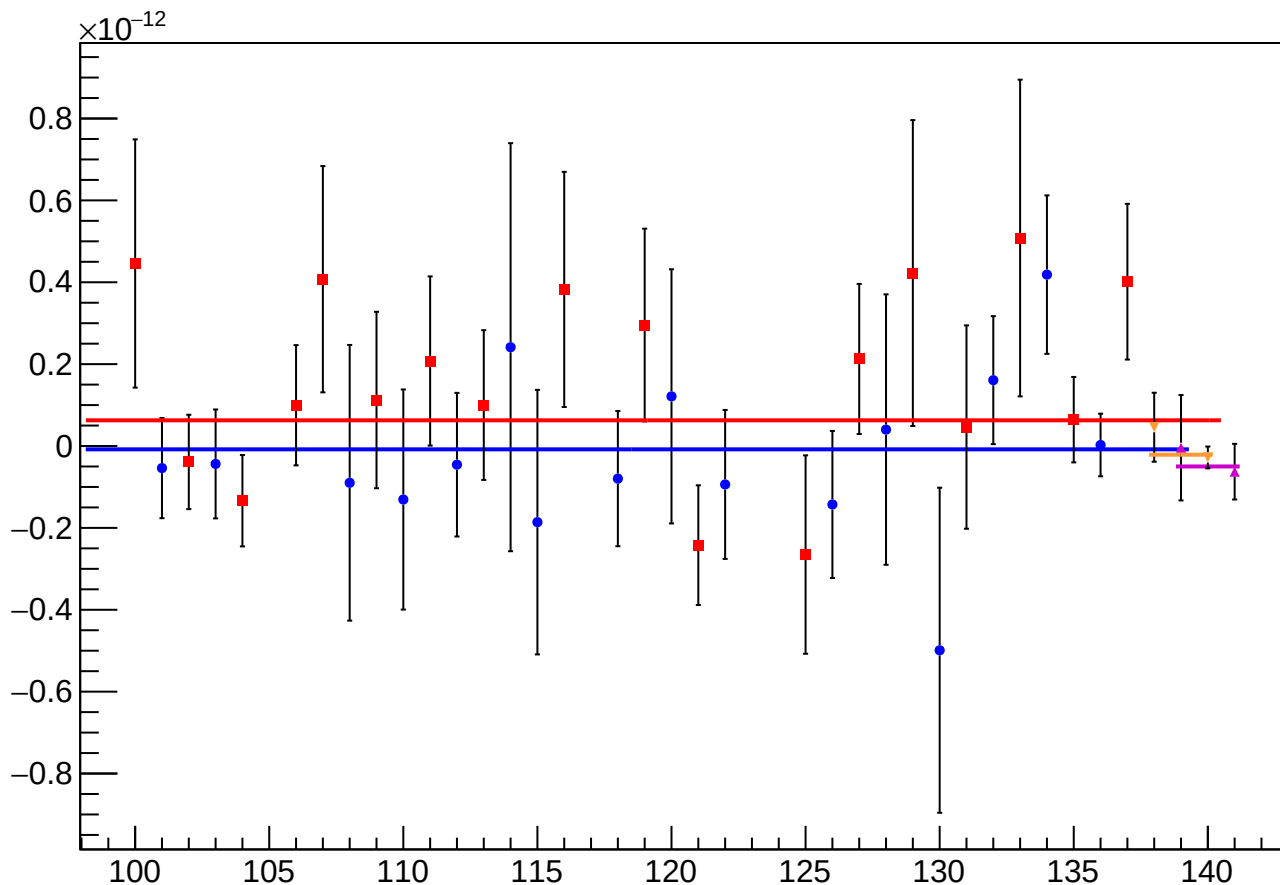
Left In: 287.953 $\pm$ 0.164 χ^2 /NDF: 189431.9/1

+ sign 144.856 $\pm$ 0.038 χ^2 /NDF: 1901449.4/17

All: 141.095 $\pm$ 0.026 χ^2 /NDF: 3831669.2/37

- sign 137.625 $\pm$ 0.036 χ^2 /NDF: 1911074.7/19

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 9.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.2/17

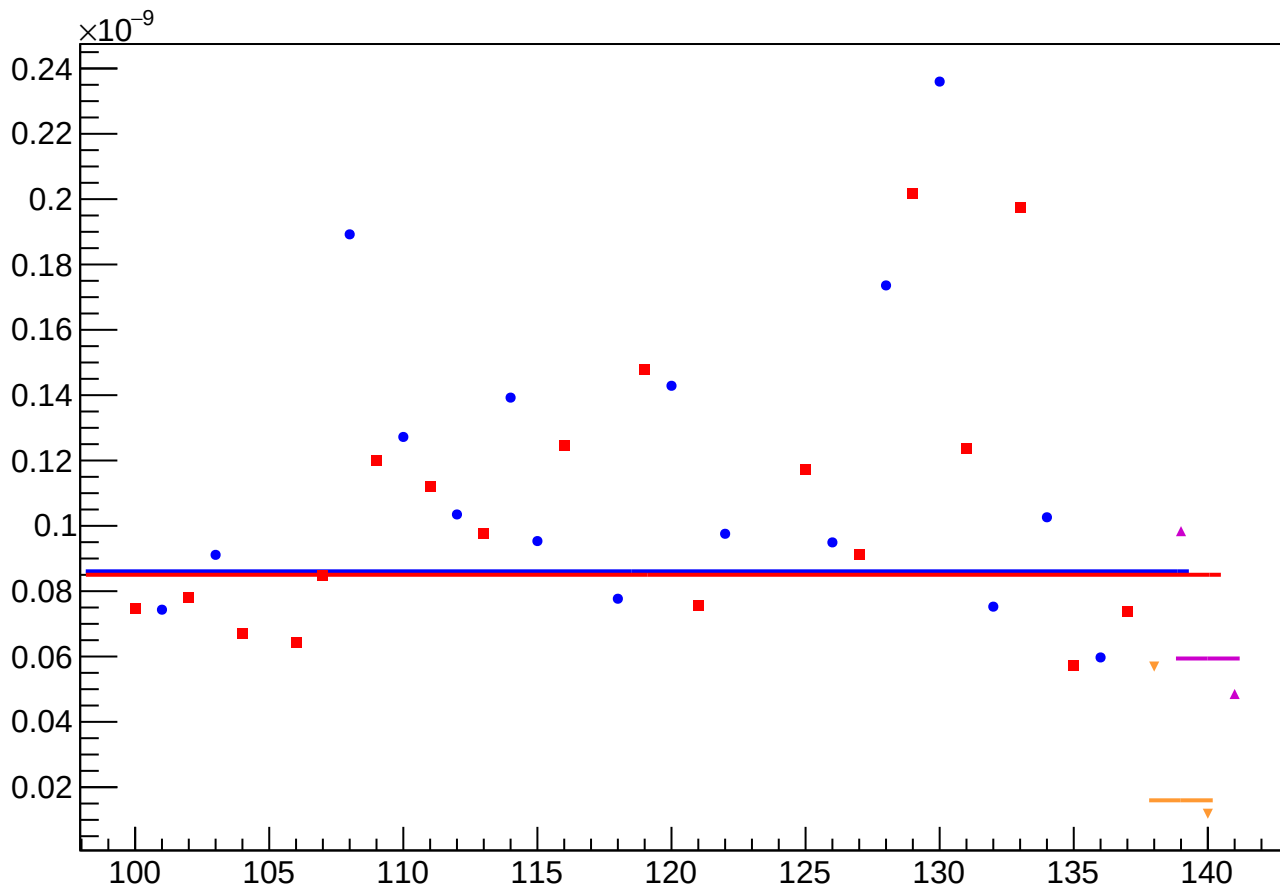
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 10.6/17

All: -0.000 ± 0.000 χ^2/NDF : 36.5/37

- sign 0.000 ± 0.000 χ^2/NDF : 24.7/19

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

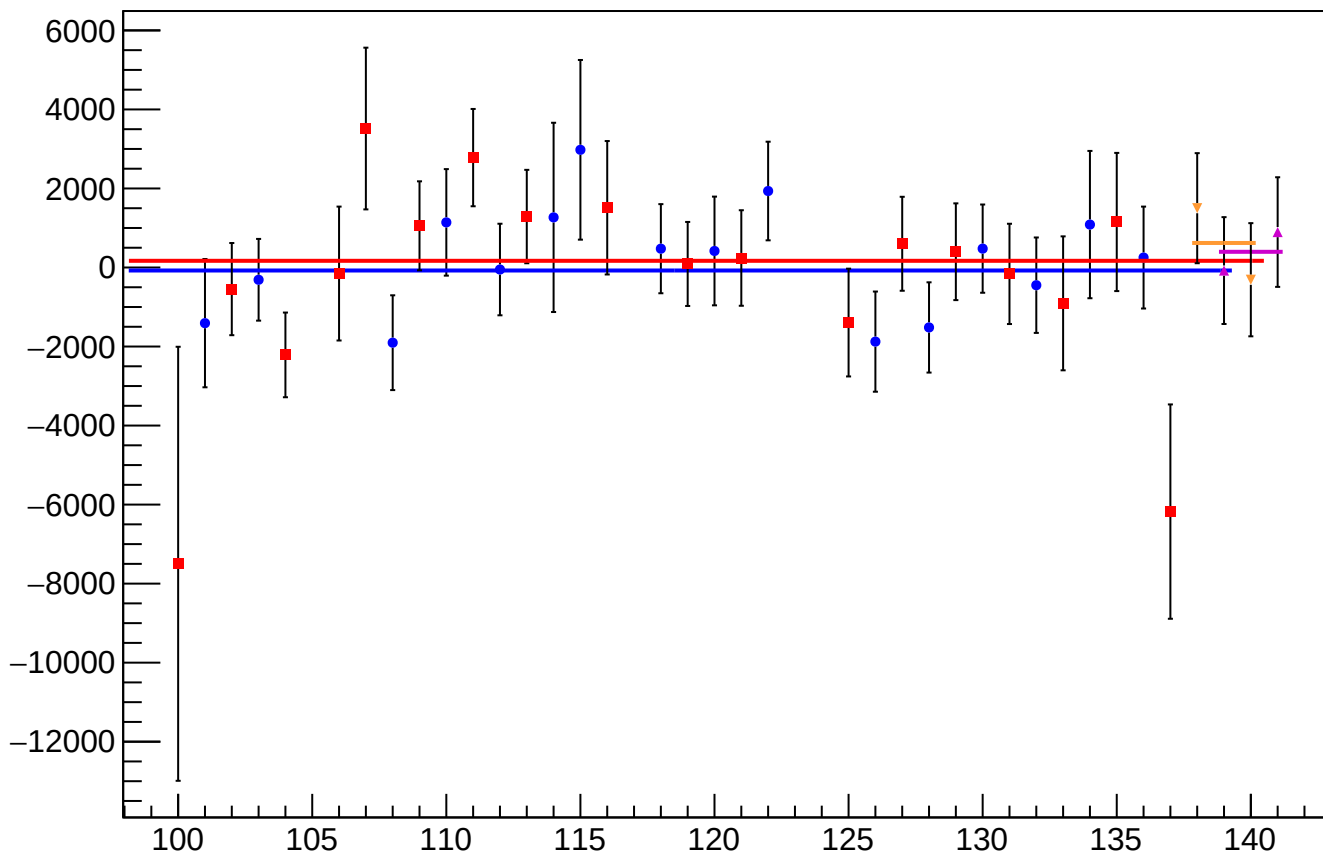
Left In: 0.000+/-0.000 χ^2/NDF : 234584.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 5600921.3/17

All: 0.000+/-0.000 χ^2/NDF : 9221269.5/37

- sign 0.000+/-0.000 χ^2/NDF : 1463279.5/19

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944 $\pm$ 326.226 χ^2 /NDF: 13.4/15

Left Out: 620.759 $\pm$ 998.400 χ^2 /NDF: 0.8/1

Right Out: 169.345 $\pm$ 321.827 χ^2 /NDF: 24.4/17

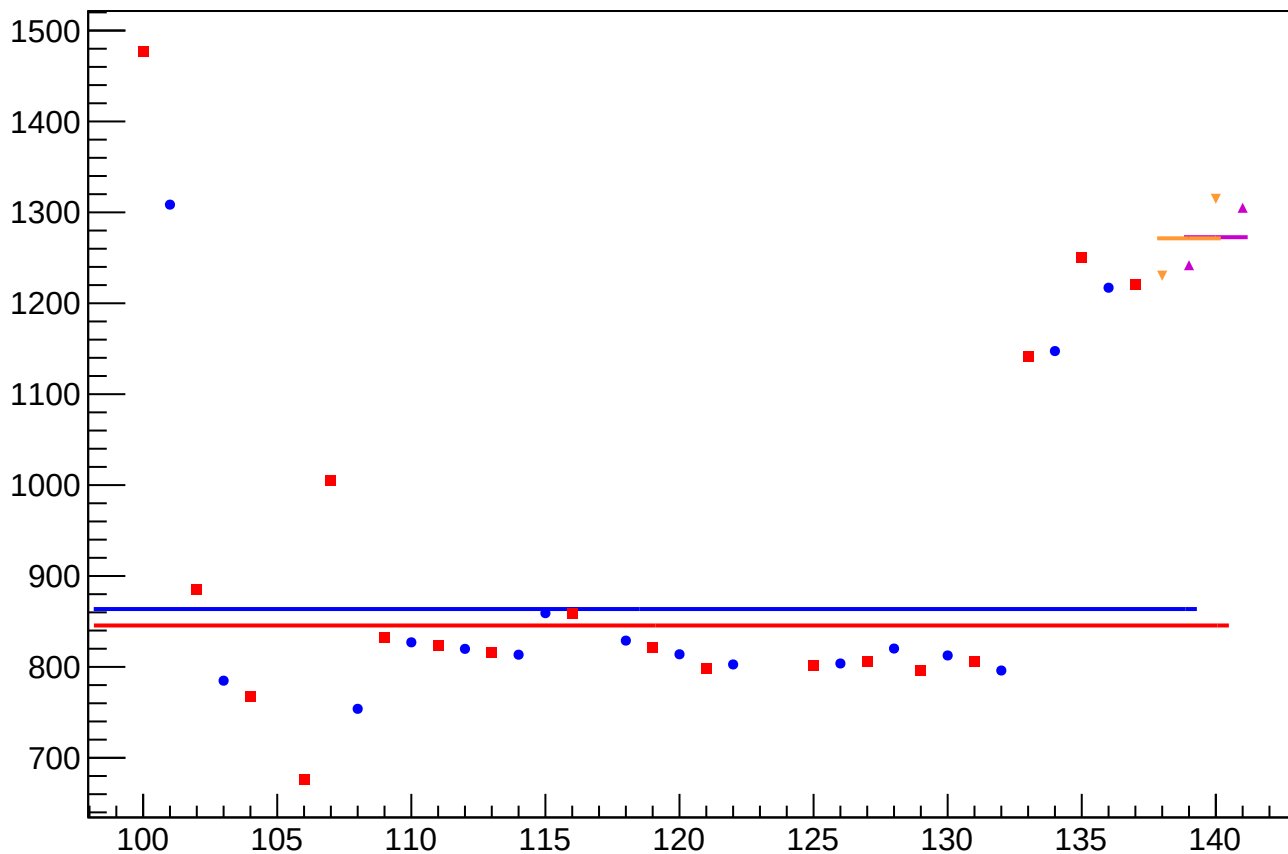
Left In: 396.916 $\pm$ 968.181 χ^2 /NDF: 0.3/1

+ sign -8.736 $\pm$ 310.092 χ^2 /NDF: 14.6/17

All: 93.157 $\pm$ 217.589 χ^2 /NDF: 39.5/37

- sign 191.988 $\pm$ 305.397 χ^2 /NDF: 24.7/19

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF : 407498.8/15

Left Out: 1271.438+/-0.706 χ^2/NDF : 3583.2/1

Right Out: 845.579+/-0.225 χ^2/NDF : 307774.6/17

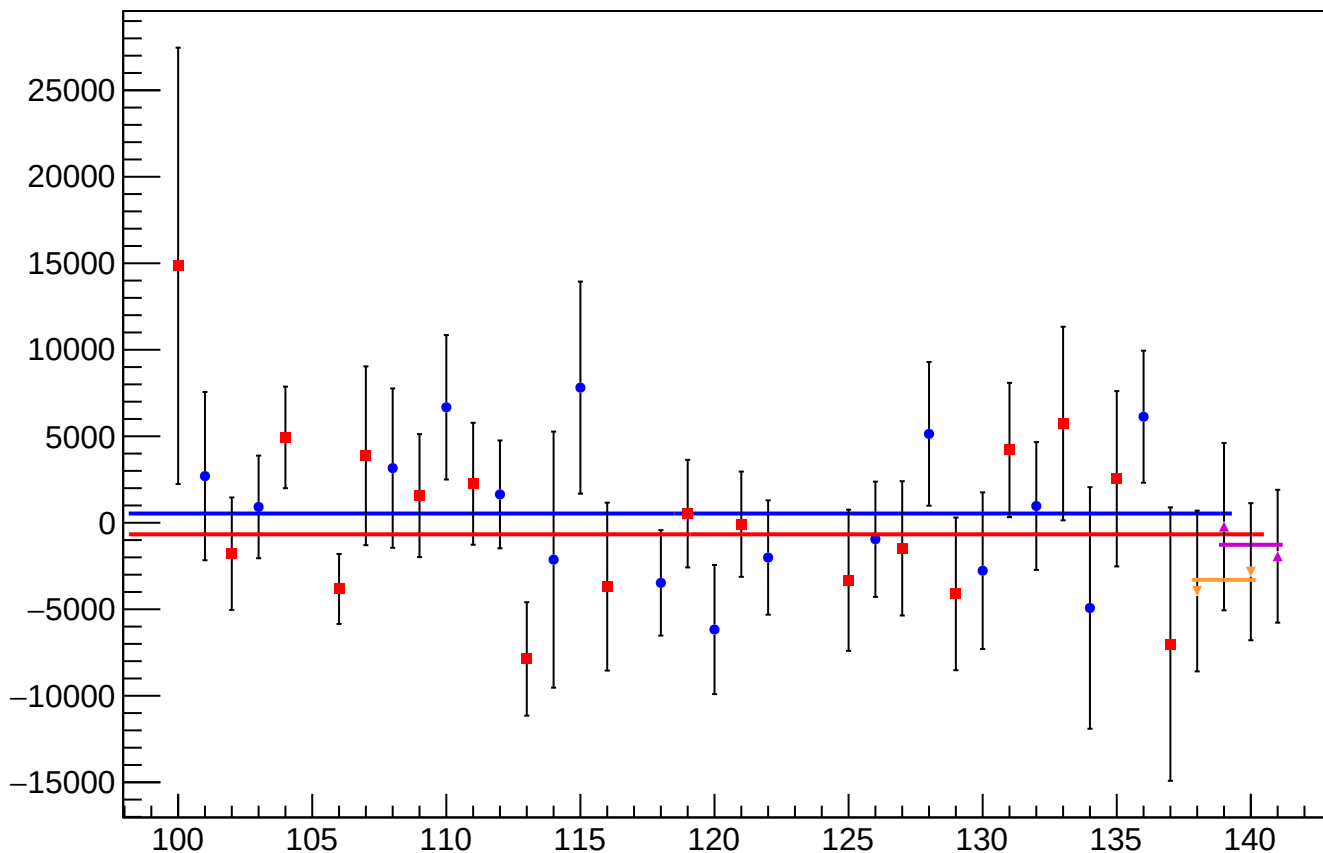
Left In: 1272.683+/-0.685 χ^2/NDF : 2127.1/1

+ sign 902.998+/-0.219 χ^2/NDF : 712527.6/17

All: 894.855+/-0.153 χ^2/NDF : 1376460.7/37

- sign 887.133+/-0.214 χ^2/NDF : 661246.2/19

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

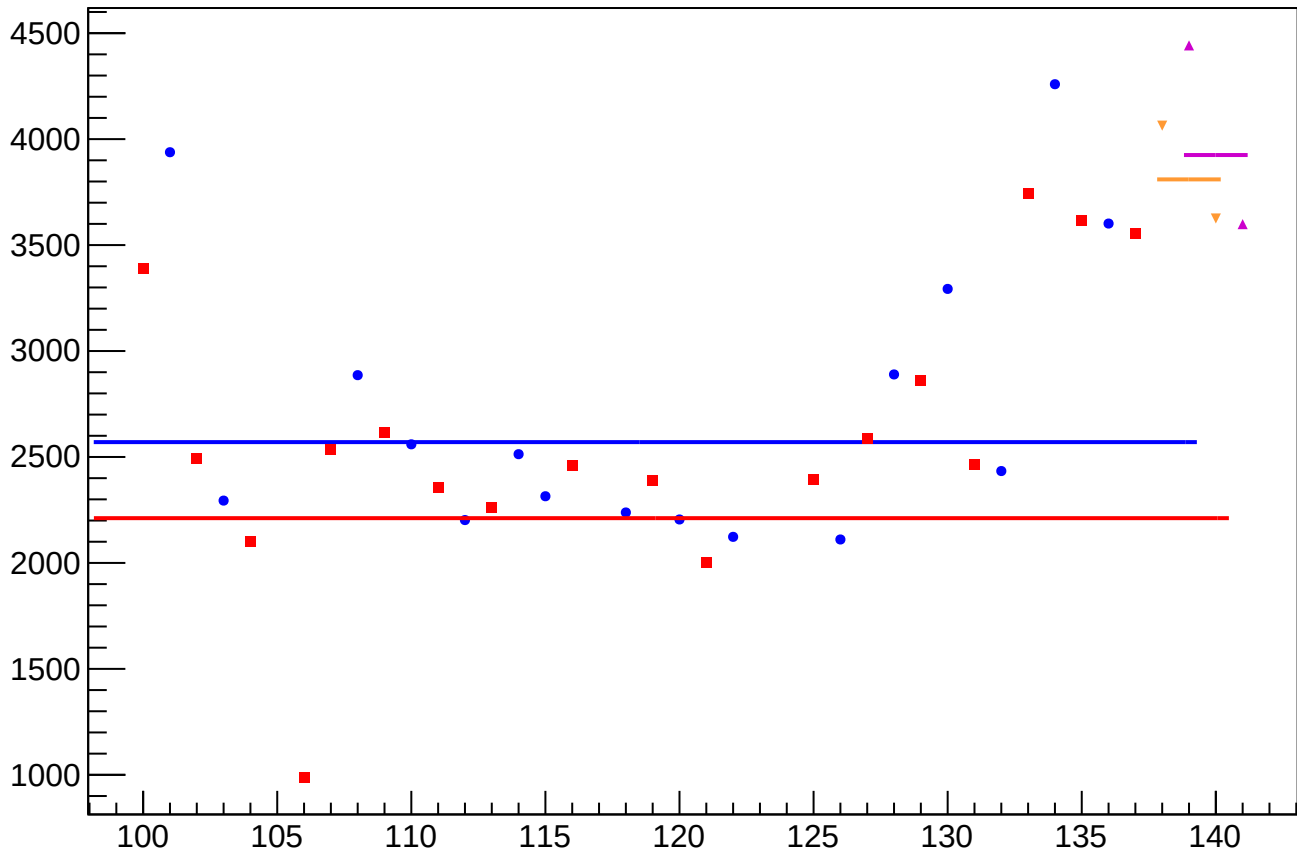
Left In: -1272.122 $\pm$ 3007.420 χ^2 /NDF: 0.1/1

+ sign 167.287 $\pm$ 933.099 χ^2 /NDF: 16.1/17

All: -323.044 $\pm$ 620.689 χ^2 /NDF: 36.7/37

- sign -712.196 $\pm$ 831.271 χ^2 /NDF: 20.1/19

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF : 662477.9/15

Left Out: 3809.959+/-2.132 χ^2/NDF : 10297.4/1

+ sign 2688.920+/-0.660 χ^2/NDF : 978659.3/17

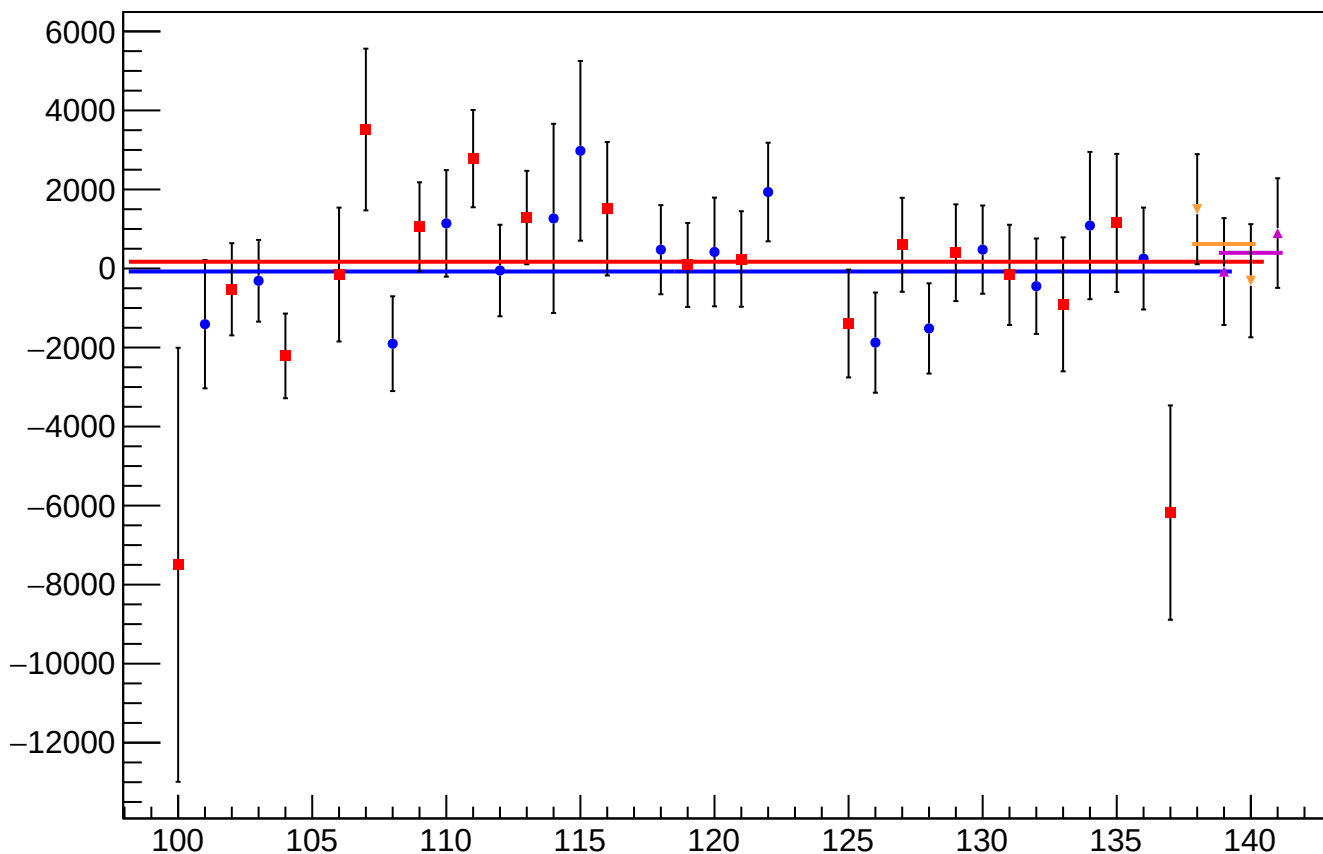
Right Out: 2211.269+/-0.612 χ^2/NDF : 1264087.9/17

All: 2495.614+/-0.439 χ^2/NDF : 3033792.8/37

- sign 2342.196+/-0.588 χ^2/NDF : 1901175.1/19

Left In: 3924.953+/-2.127 χ^2/NDF : 37314.7/1

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

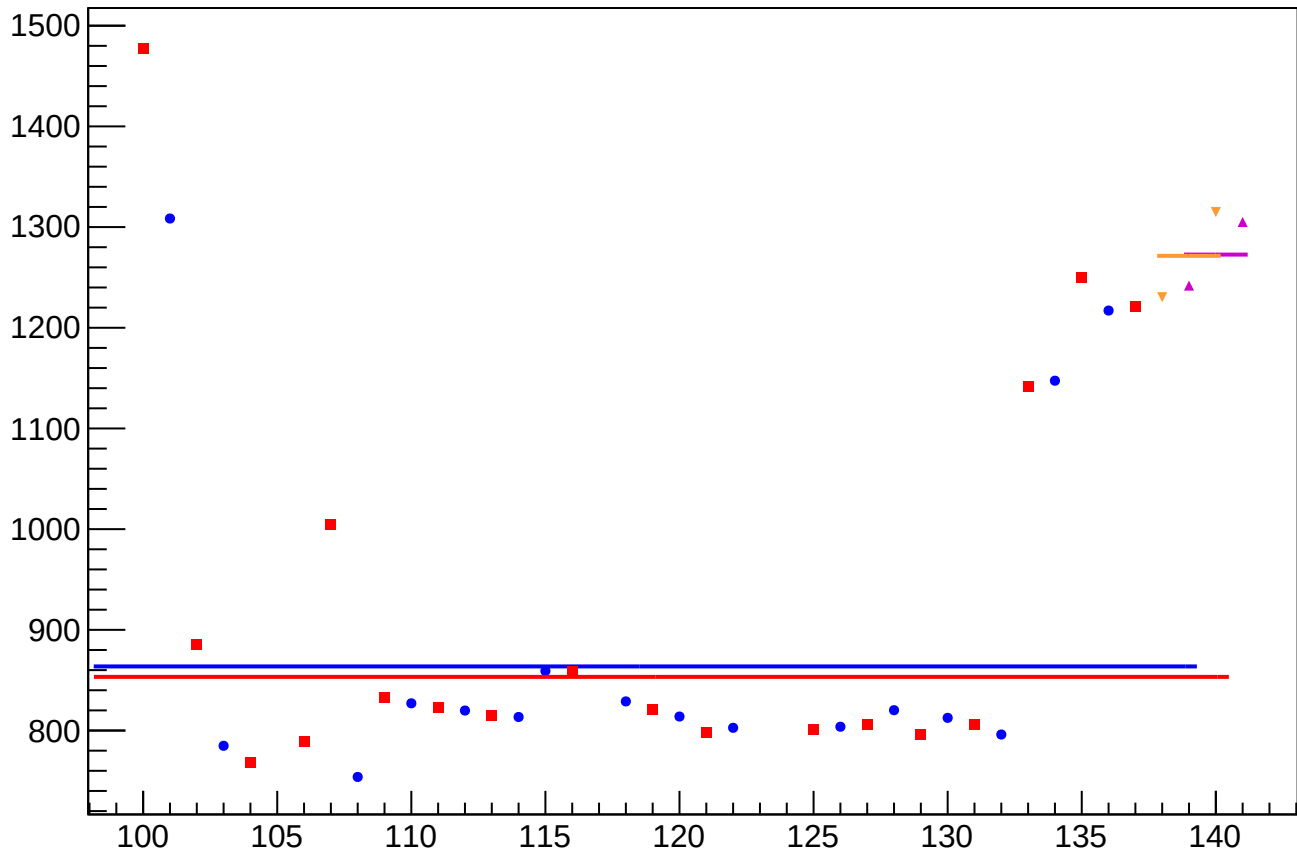
Left In: 396.815 ± 968.181 χ^2/NDF : 0.3/1

+ sign -8.812 ± 310.093 χ^2/NDF : 14.6/17

All: 93.862 ± 217.591 χ^2/NDF : 39.5/37

- sign 193.453 ± 305.401 χ^2/NDF : 24.7/19

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

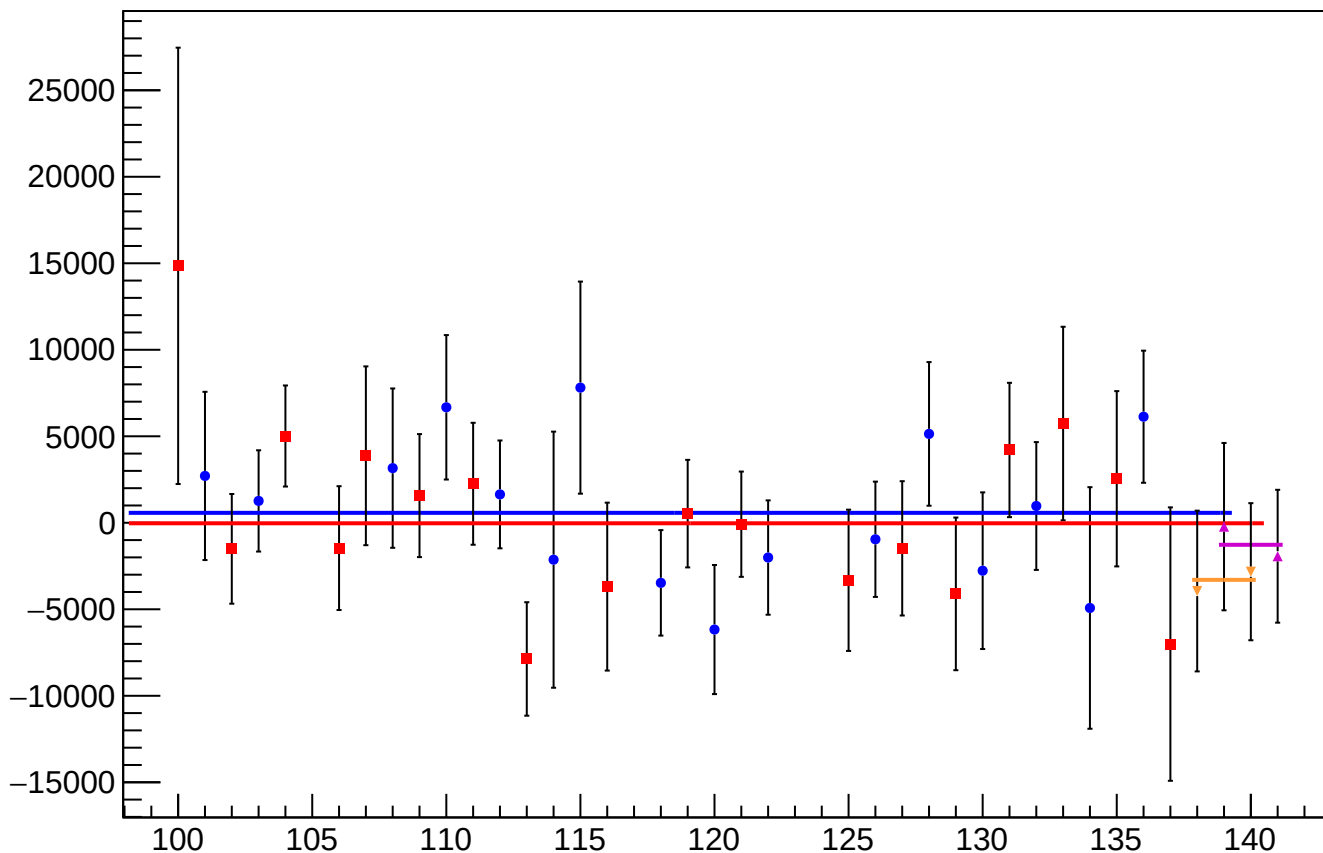
Left In: 1272.683 $\pm$ 0.685 χ^2/NDF : 2127.1/1

+ sign 902.998 $\pm$ 0.219 χ^2/NDF : 712527.4/17

All: 898.732 $\pm$ 0.153 χ^2/NDF : 1329044.9/37

- sign 894.632 $\pm$ 0.215 χ^2/NDF : 615775.2/19

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

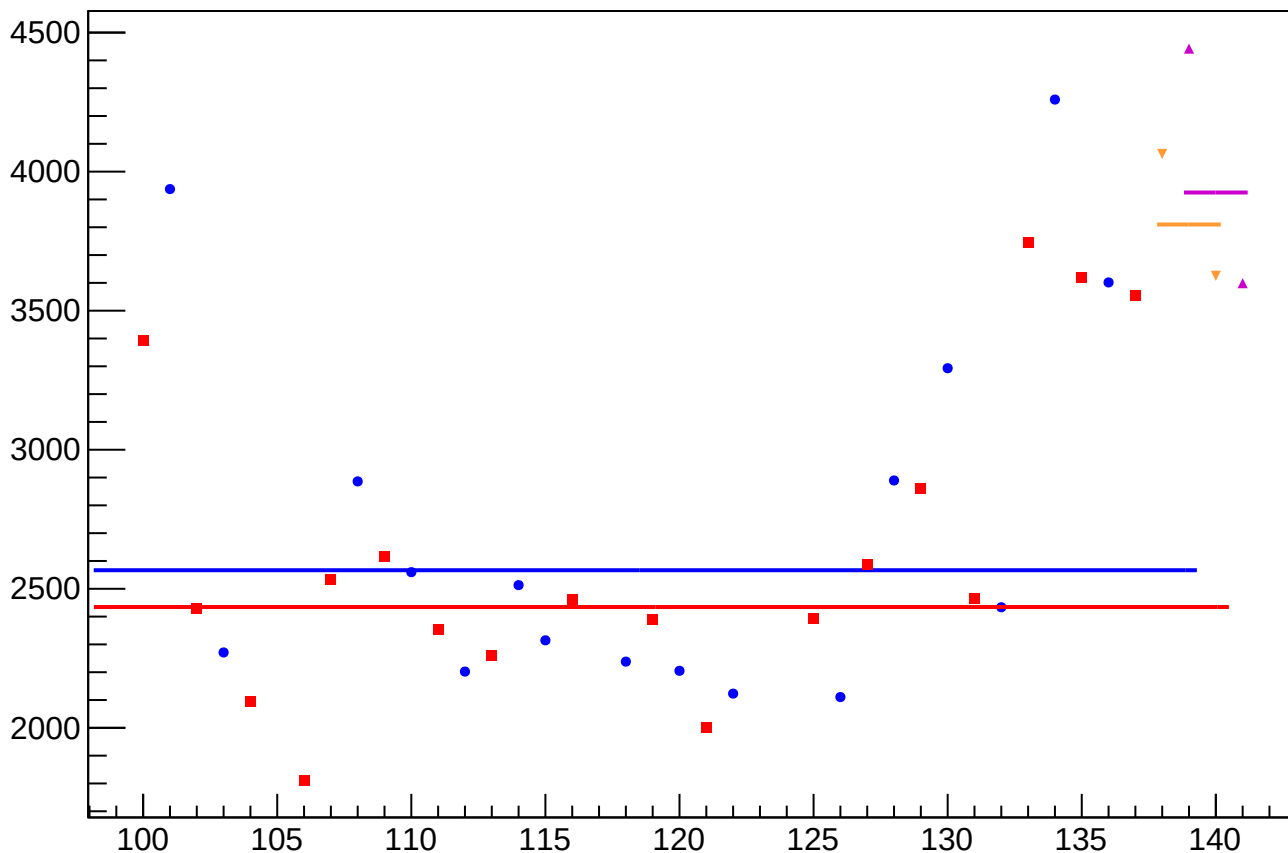
Left In: -1272.185 $\pm$ 3007.418 χ^2 /NDF:0.1/1

+ sign 204.832 $\pm$ 931.866 χ^2 /NDF: 16.2/17

All: 25.258 $\pm$ 640.420 χ^2 /NDF: 33.7/37

- sign -135.469 $\pm$ 881.605 χ^2 /NDF: 17.4/19

asym_usl_atl2_dd_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

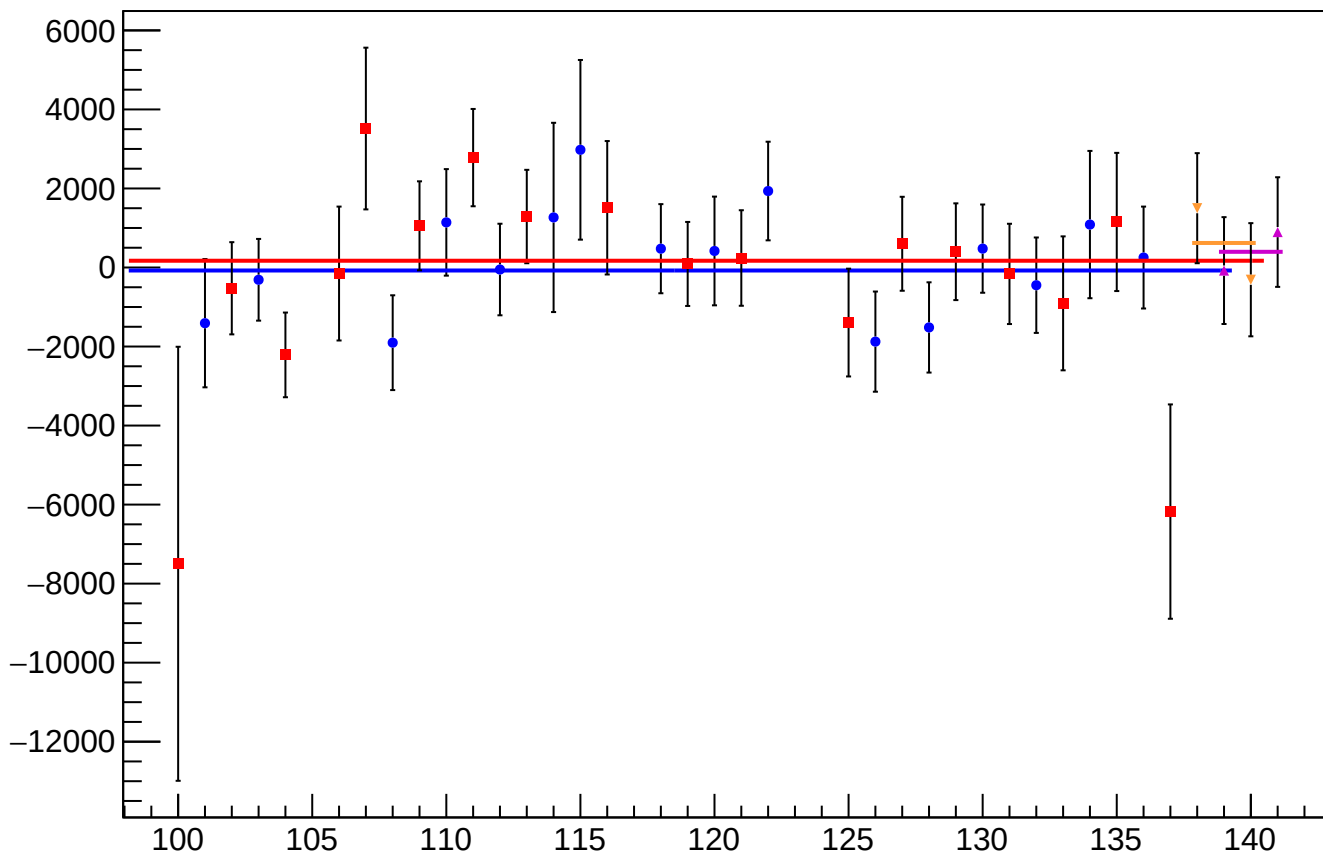
Left In: 3924.949 $\pm$ 2.127 χ^2 /NDF: 37314.3/1

+ sign 2685.528 $\pm$ 0.659 χ^2 /NDF: 983819.2/17

All: 2620.615 $\pm$ 0.453 χ^2 /NDF: 1922654.4/37

- sign 2562.515 $\pm$ 0.623 χ^2 /NDF: 920444.0/19

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 χ^2/NDF : 13.3/15

Left Out: 620.703 ± 998.400 χ^2/NDF : 0.8/1

Right Out: 170.982 ± 321.832 χ^2/NDF : 24.4/17

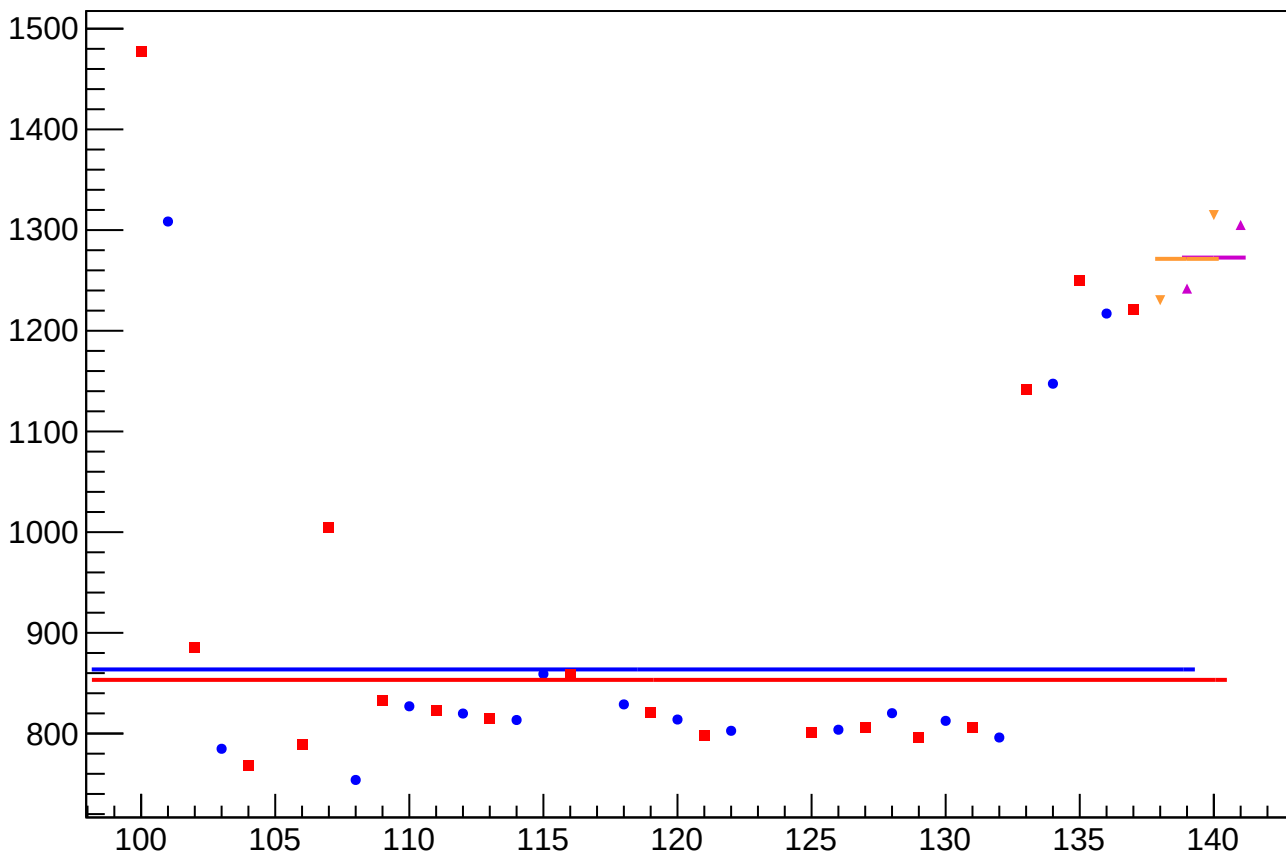
Left In: 396.815 ± 968.181 χ^2/NDF : 0.3/1

+ sign -8.812 ± 310.093 χ^2/NDF : 14.6/17

All: 93.862 ± 217.591 χ^2/NDF : 39.5/37

- sign 193.453 ± 305.401 χ^2/NDF : 24.7/19

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF : 407498.5/15

Left Out: 1271.438+/-0.706 χ^2/NDF : 3583.2/1

Right Out: 853.289+/-0.226 χ^2/NDF : 275357.1/17

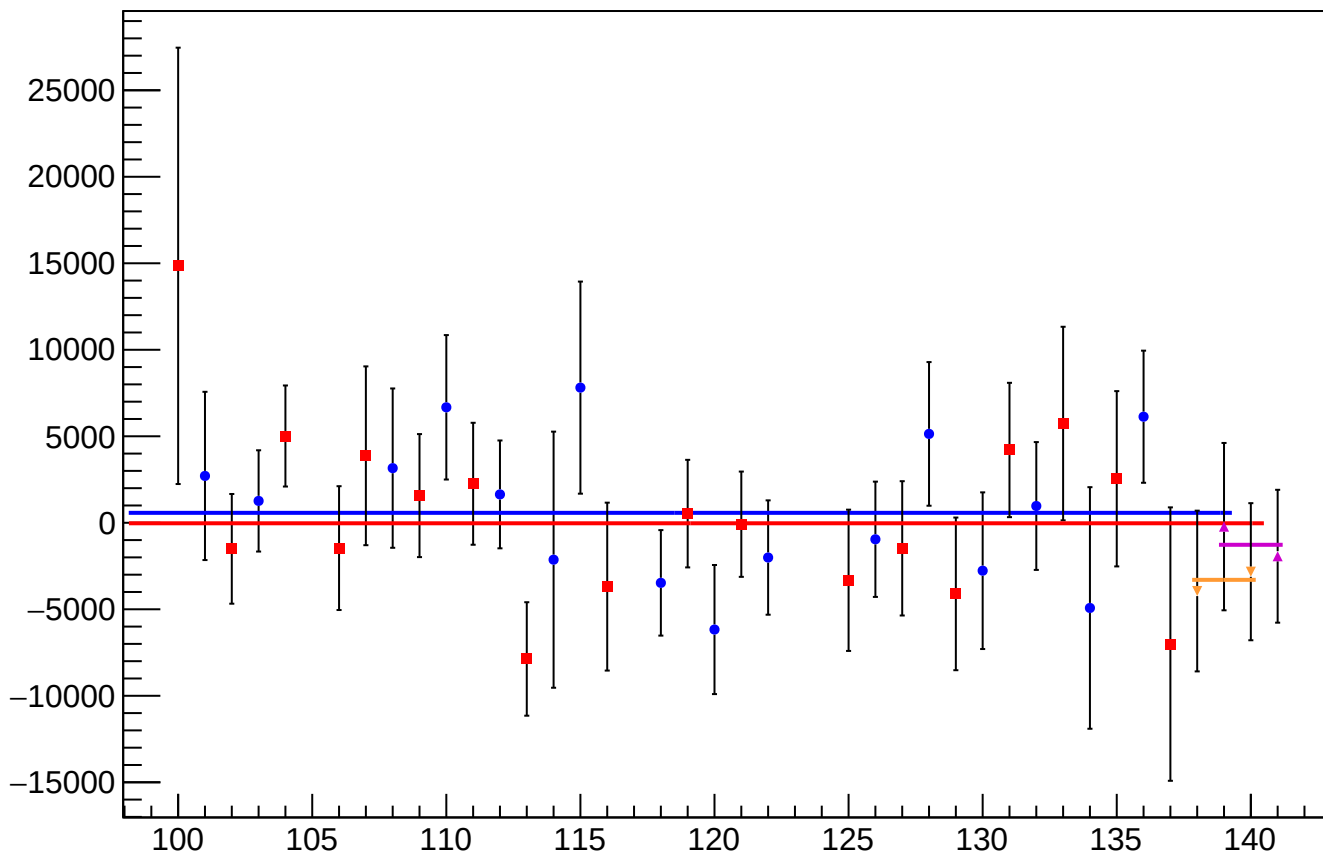
Left In: 1272.683+/-0.685 χ^2/NDF : 2127.1/1

+ sign 902.998+/-0.219 χ^2/NDF : 712527.4/17

All: 898.732+/-0.153 χ^2/NDF : 1329044.9/37

- sign 894.632+/-0.215 χ^2/NDF : 615775.2/19

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

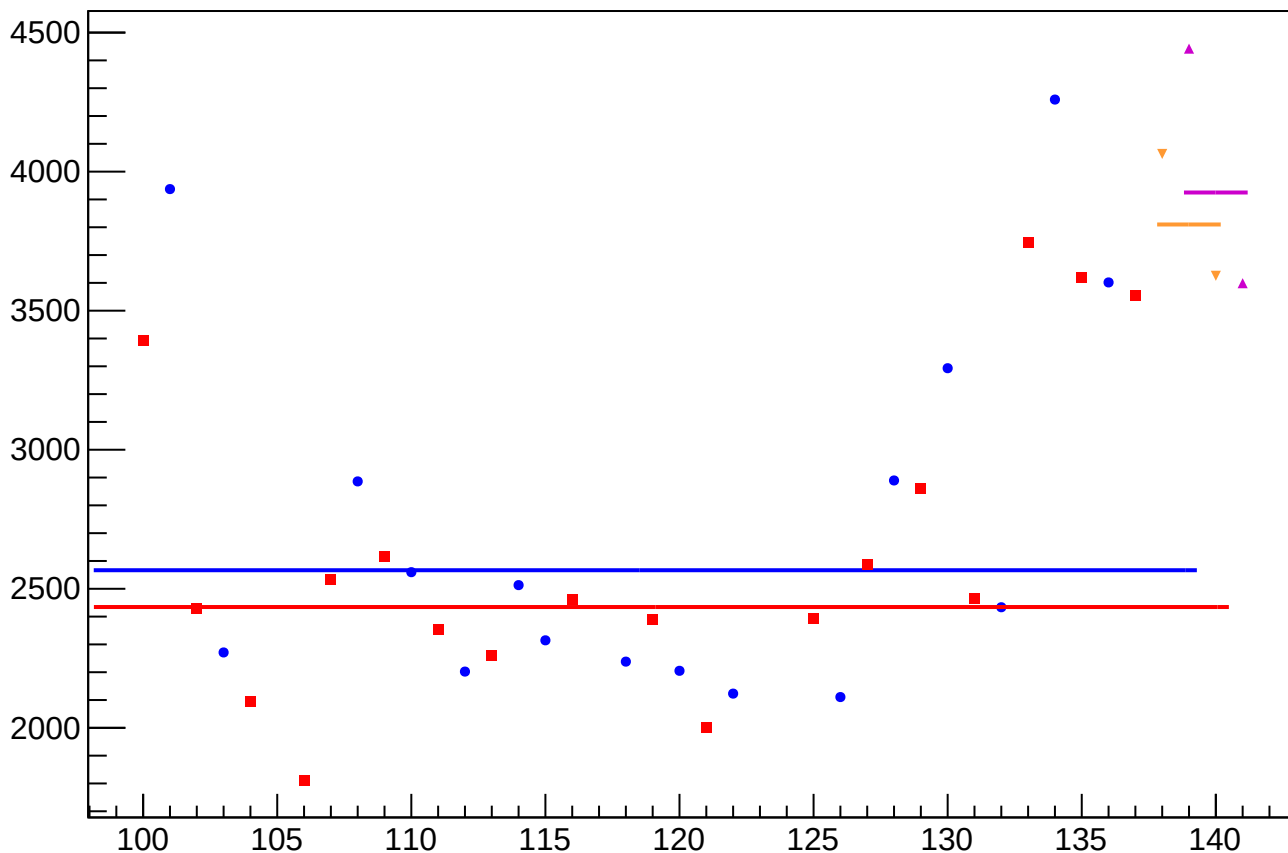
Left In: -1272.185 $\pm$ 3007.418 χ^2 /NDF:0.1/1

+ sign 204.832 $\pm$ 931.866 χ^2 /NDF: 16.2/17

All: 25.258 $\pm$ 640.420 χ^2 /NDF: 33.7/37

- sign -135.469 $\pm$ 881.605 χ^2 /NDF: 17.4/19

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

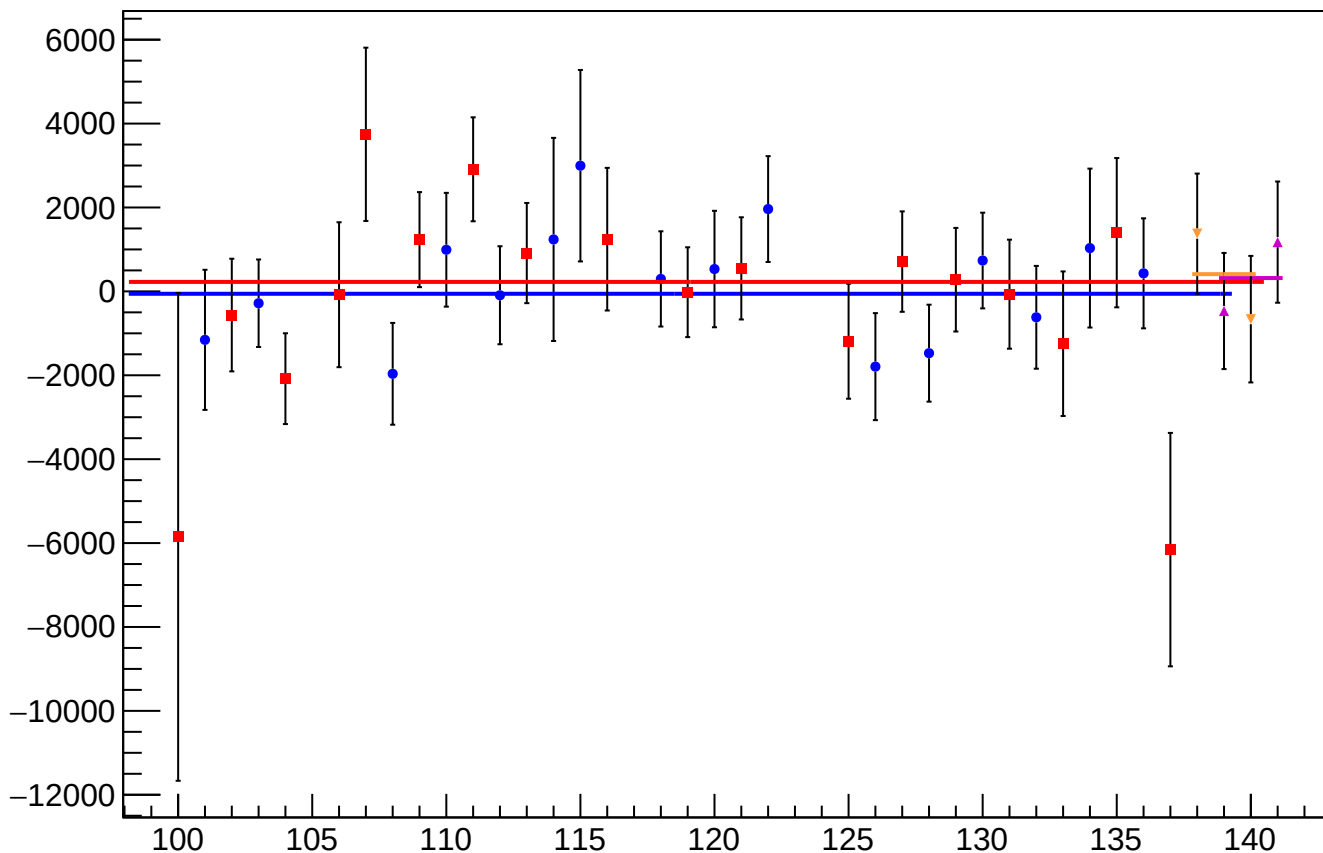
Left In: 3924.949 $\pm$ 2.127 χ^2 /NDF: 37314.3/1

+ sign 2685.528 $\pm$ 0.659 χ^2 /NDF: 983819.2/17

All: 2620.615 $\pm$ 0.453 χ^2 /NDF: 1922654.4/37

- sign 2562.515 $\pm$ 0.623 χ^2 /NDF: 920444.0/19

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

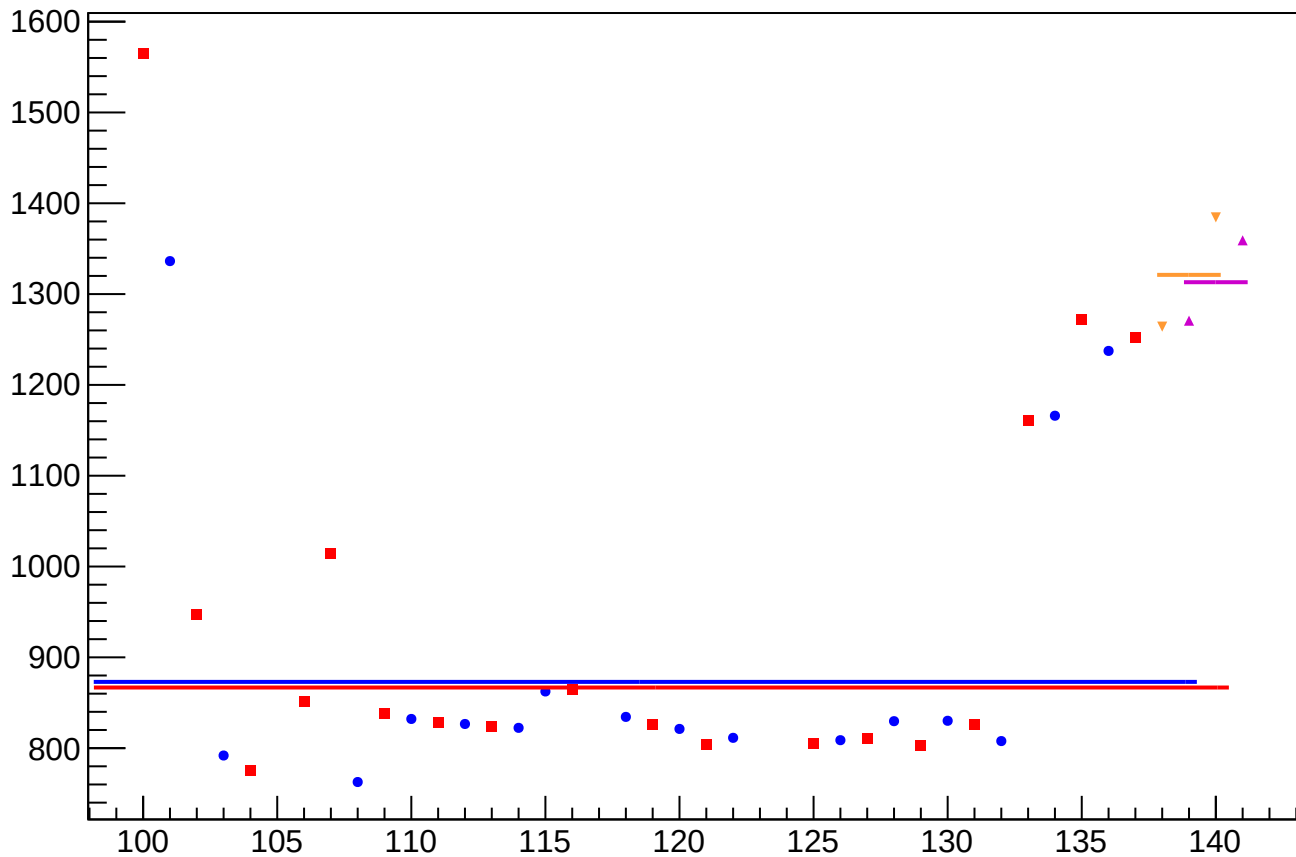
Left In: 318.081 ± 999.569 χ^2/NDF : 0.7/1

+ sign -14.266 ± 314.570 χ^2/NDF : 14.1/17

All: 111.517 ± 221.416 χ^2/NDF : 38.0/37

- sign 235.022 ± 311.709 χ^2/NDF : 23.6/19

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF : 417099.2/15

Left Out: 1321.165+/-0.734 χ^2/NDF : 6696.6/1

Right Out: 866.772+/-0.232 χ^2/NDF : 290386.4/17

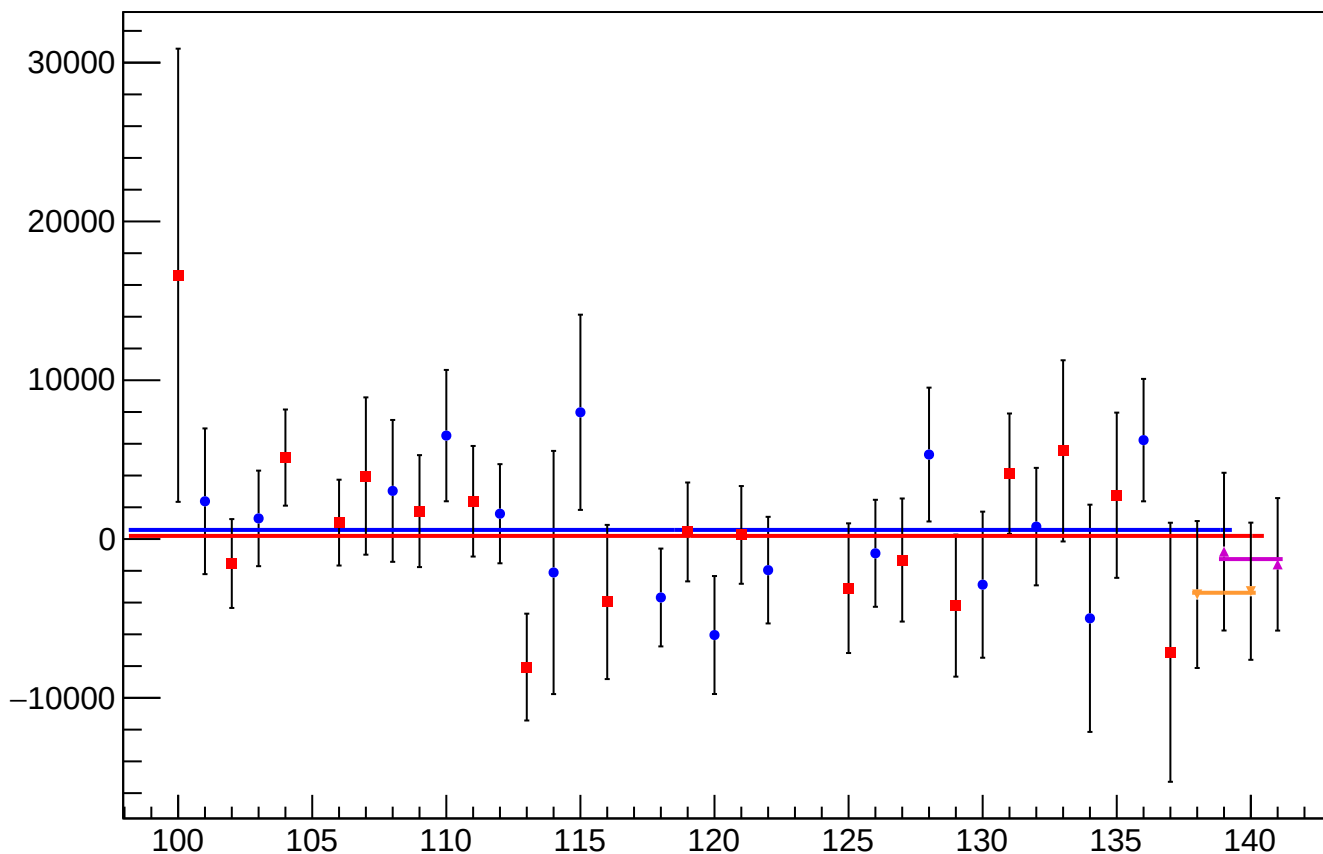
Left In: 1313.081+/-0.707 χ^2/NDF : 3911.4/1

+ sign 914.120+/-0.222 χ^2/NDF : 762320.6/17

All: 912.088+/-0.156 χ^2/NDF : 1416805.7/37

- sign 910.096+/-0.220 χ^2/NDF : 654319.8/19

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF : 14.7/15

Left Out: -3382.051+/-3157.233 χ^2/NDF : 0.0/1

Right Out: 197.953+/-894.121 χ^2/NDF : 17.2/17

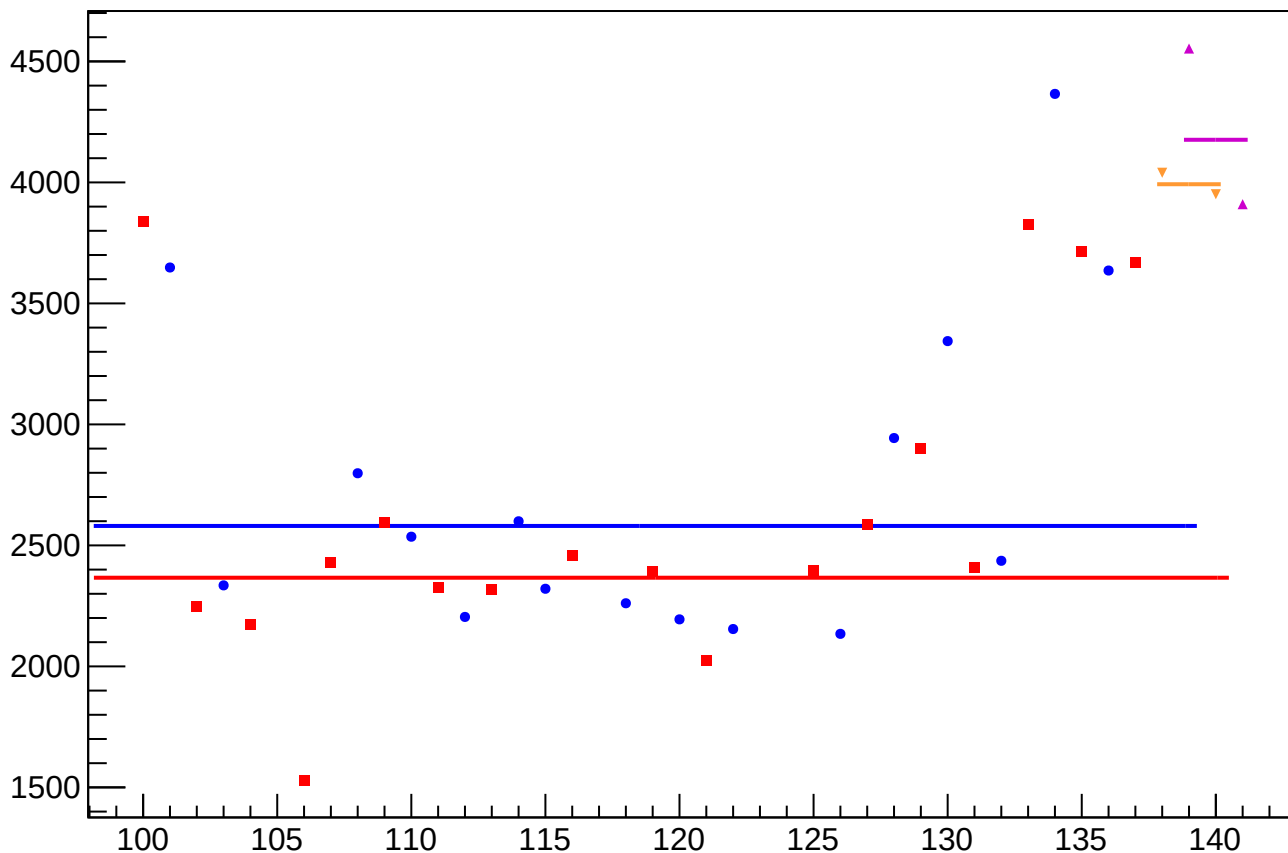
Left In: -1261.607+/-3194.469 χ^2/NDF : 0.0/1

+ sign 224.332+/-940.204 χ^2/NDF : 16.1/17

All: 152.314+/-634.989 χ^2/NDF : 33.5/37

- sign 91.916+/-861.030 χ^2/NDF : 17.4/19

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF : 617156.1/15

Left Out: 3992.455+/-2.233 χ^2/NDF : 393.5/1

Right Out: 2366.412+/-0.632 χ^2/NDF : 611695.1/17

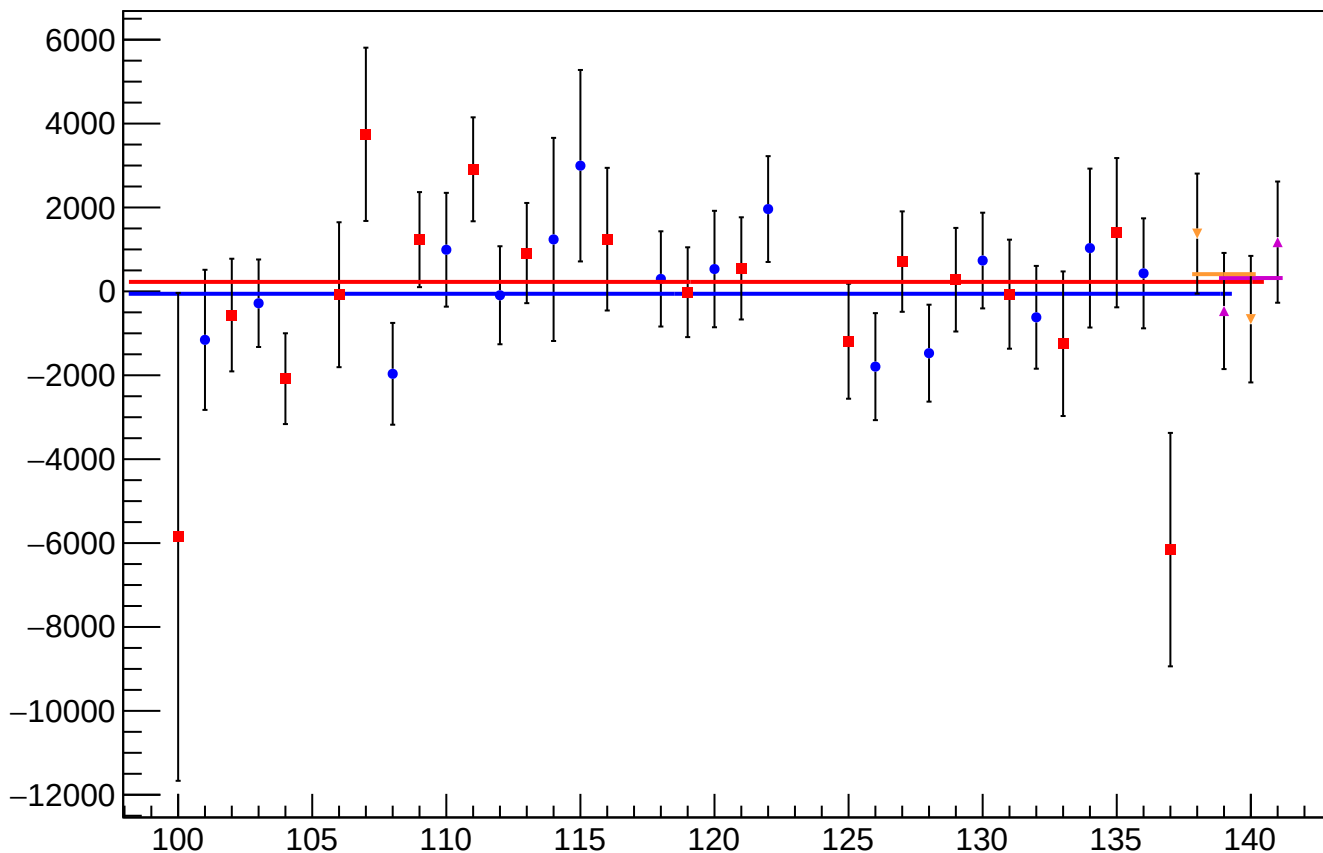
Left In: 4176.145+/-2.259 χ^2/NDF : 19674.0/1

+ sign 2705.601+/-0.665 χ^2/NDF : 982139.3/17

All: 2592.633+/-0.449 χ^2/NDF : 2261854.2/37

- sign 2497.890+/-0.609 χ^2/NDF : 1226626.4/19

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211 ± 330.088 χ^2/NDF : 13.0/15

Left Out: 410.505 ± 1038.182 χ^2/NDF : 1.0/1

Right Out: 226.078 ± 328.069 χ^2/NDF : 22.9/17

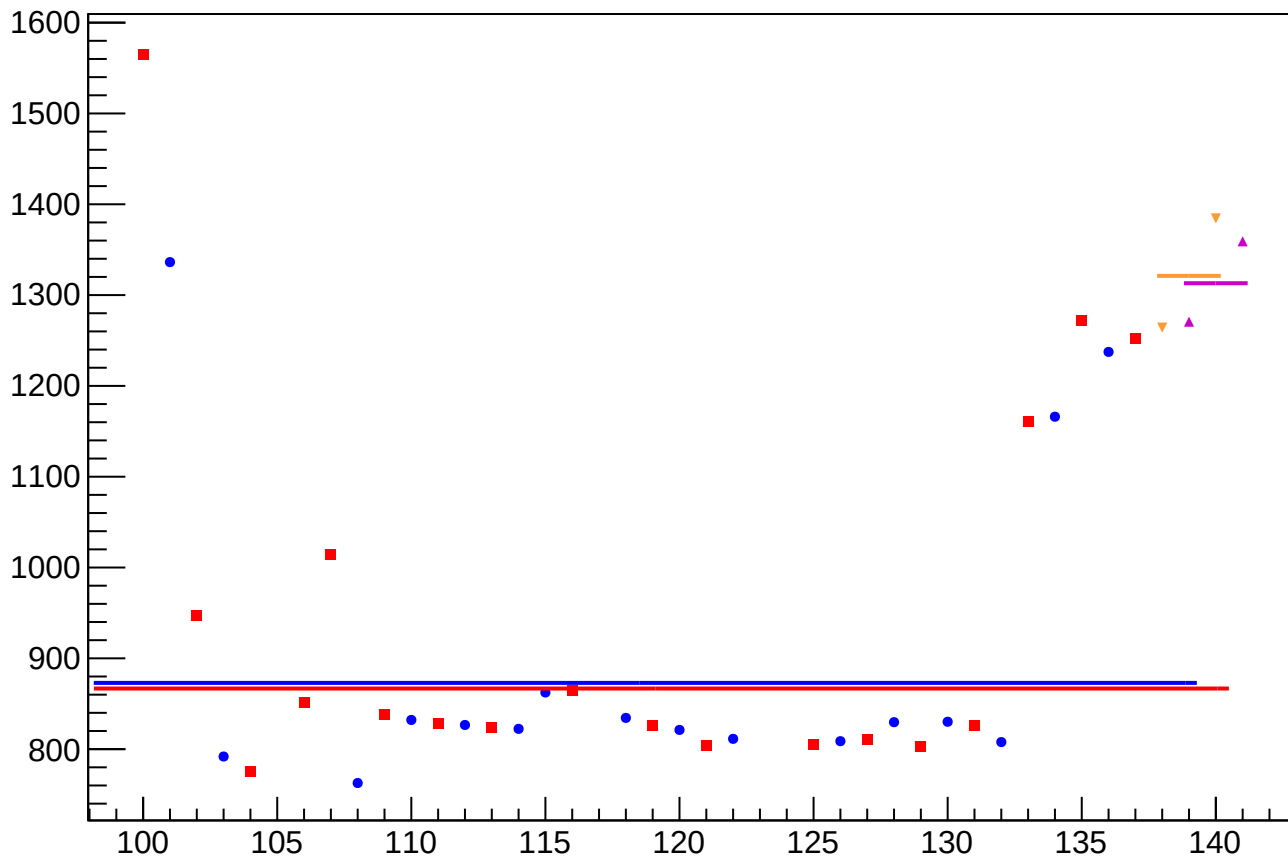
Left In: 318.079 ± 999.570 χ^2/NDF : 0.7/1

+ sign -14.270 ± 314.571 χ^2/NDF : 14.1/17

All: 111.516 ± 221.416 χ^2/NDF : 38.0/37

- sign 235.025 ± 311.709 χ^2/NDF : 23.6/19

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF : 417098.9/15

Left Out: 1321.165+/-0.734 χ^2/NDF : 6696.8/1

Right Out: 866.772+/-0.232 χ^2/NDF : 290386.6/17

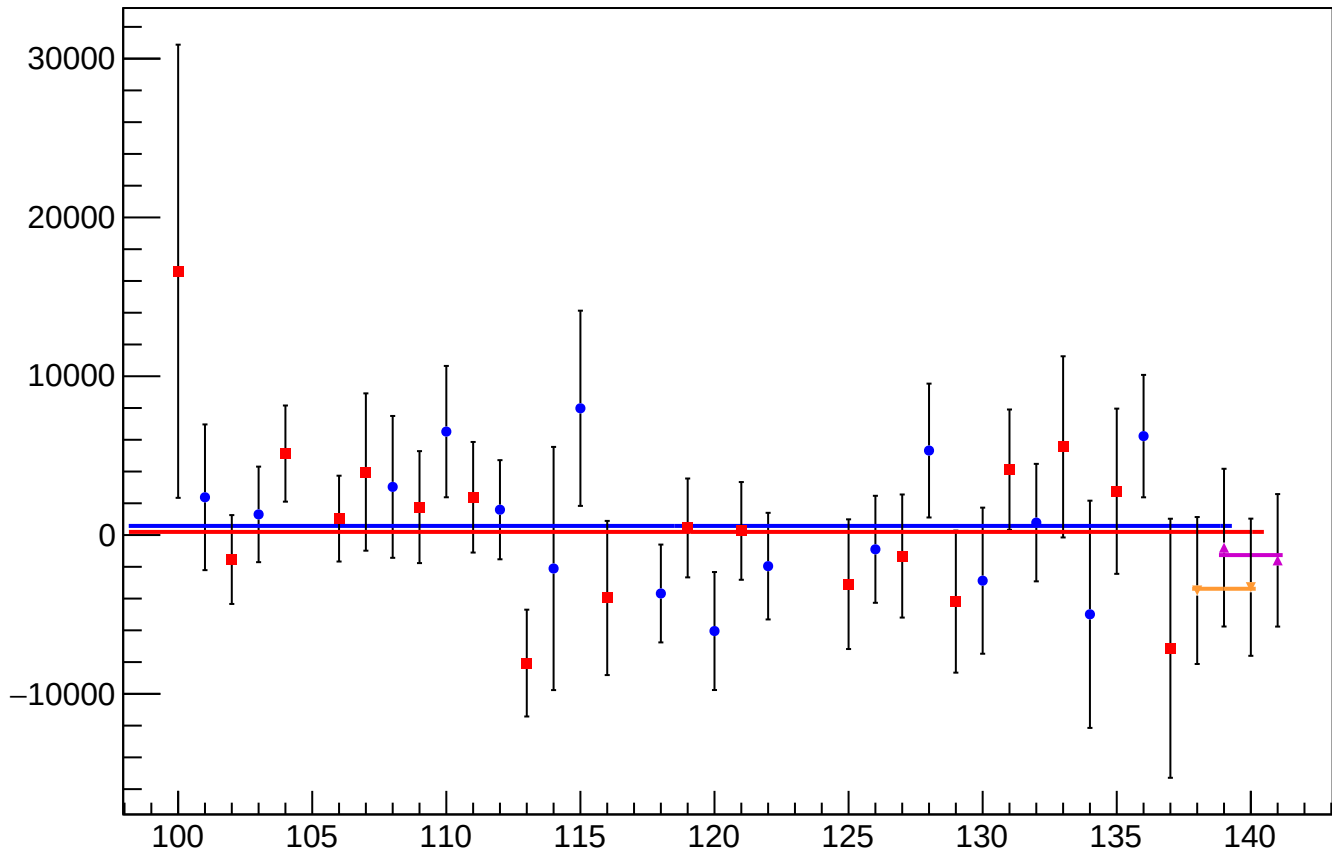
Left In: 1313.082+/-0.707 χ^2/NDF : 3911.4/1

+ sign 914.120+/-0.222 χ^2/NDF : 762321.1/17

All: 912.088+/-0.156 χ^2/NDF : 1416807.6/37

- sign 910.097+/-0.220 χ^2/NDF : 654321.3/19

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

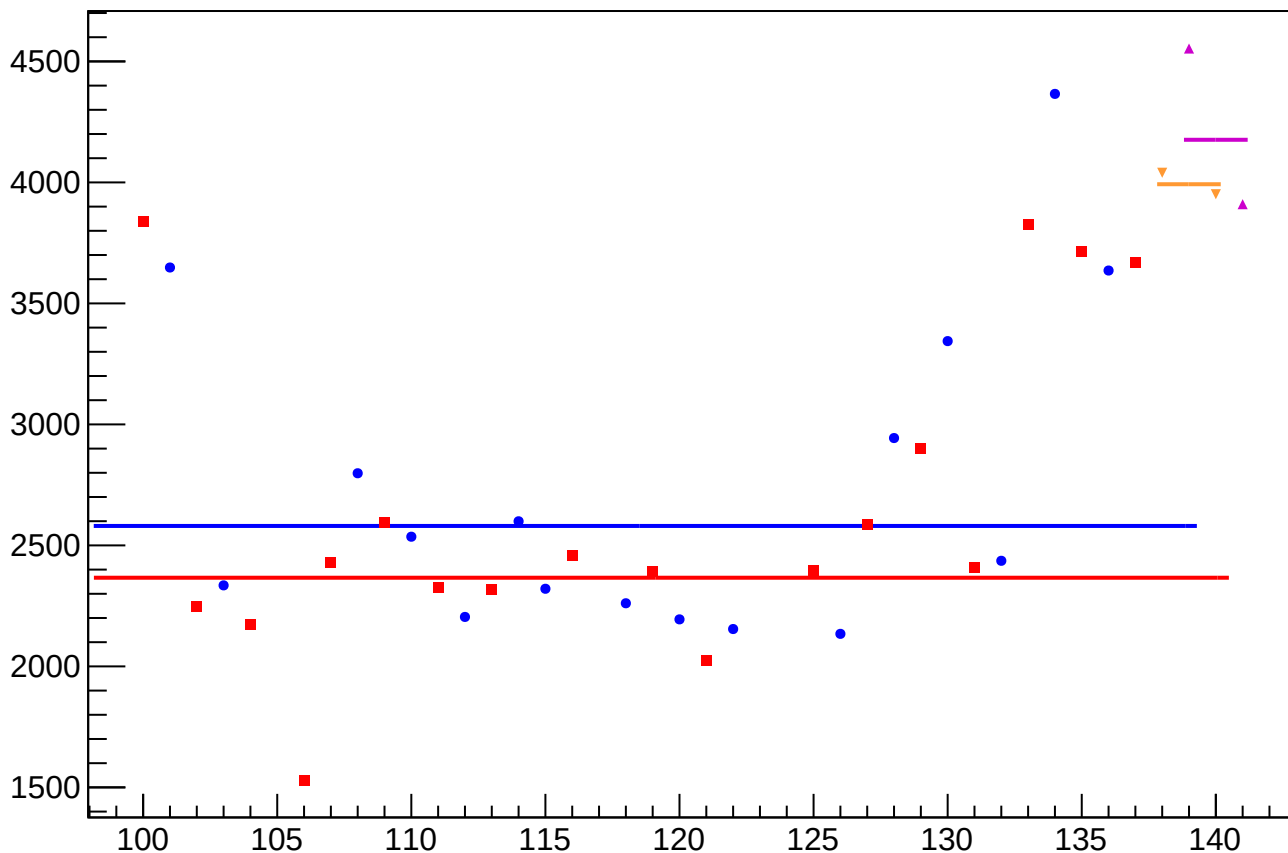
Left In: -1261.609 $\pm$ 3194.477 χ^2 /NDF:0.0/1

+ sign 224.331 $\pm$ 940.202 χ^2 /NDF: 16.1/17

All: 152.315 $\pm$ 634.987 χ^2 /NDF: 33.5/37

- sign 91.918 $\pm$ 861.028 χ^2 /NDF: 17.4/19

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

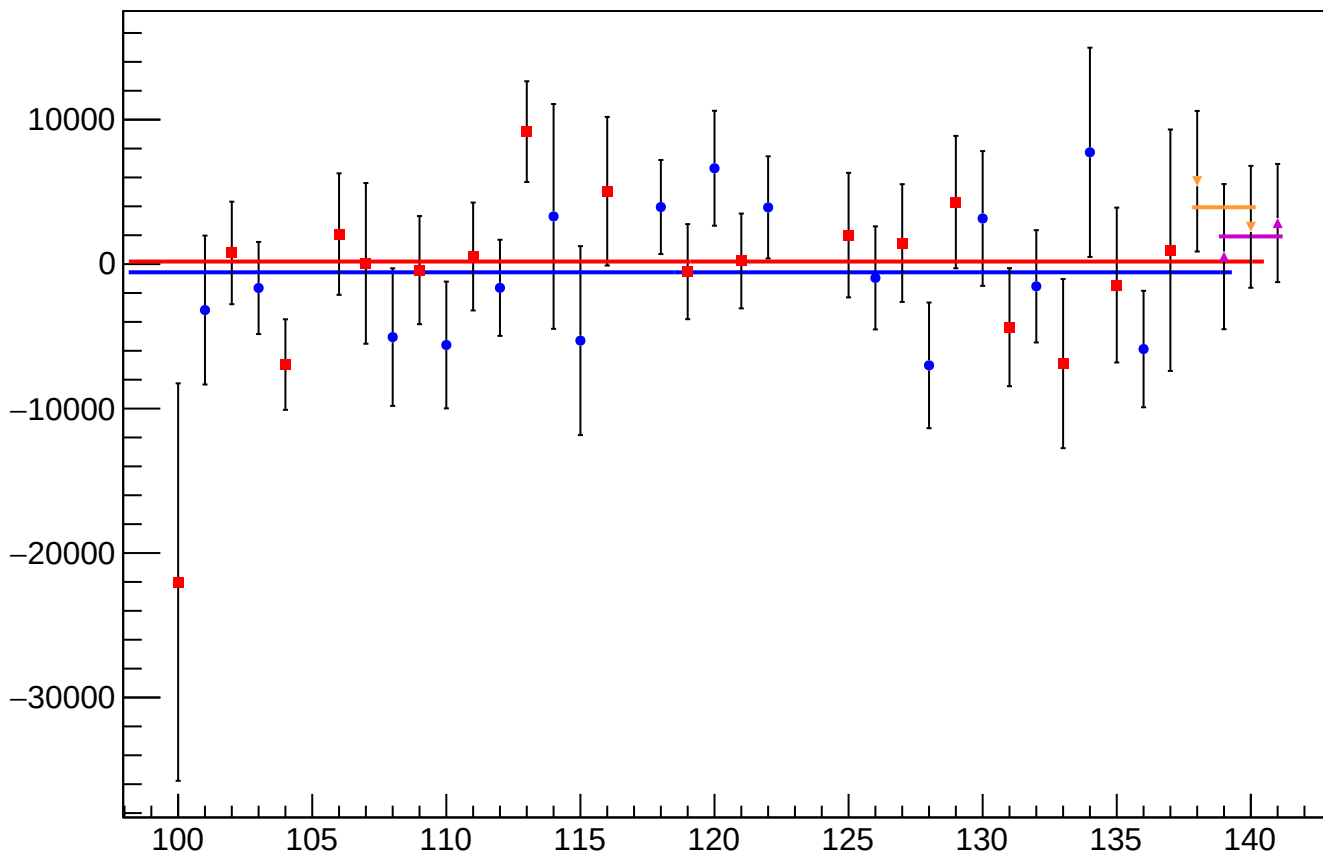
Left In: 4176.154 $\pm$ 2.259 χ^2 /NDF:19674.7/1

+ sign 2705.593 $\pm$ 0.665 χ^2 /NDF: 982154.8/17

All: 2592.626 $\pm$ 0.449 χ^2 /NDF: 2261882.3/37

- sign 2497.883 $\pm$ 0.609 χ^2 /NDF: 1226639.3/19

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

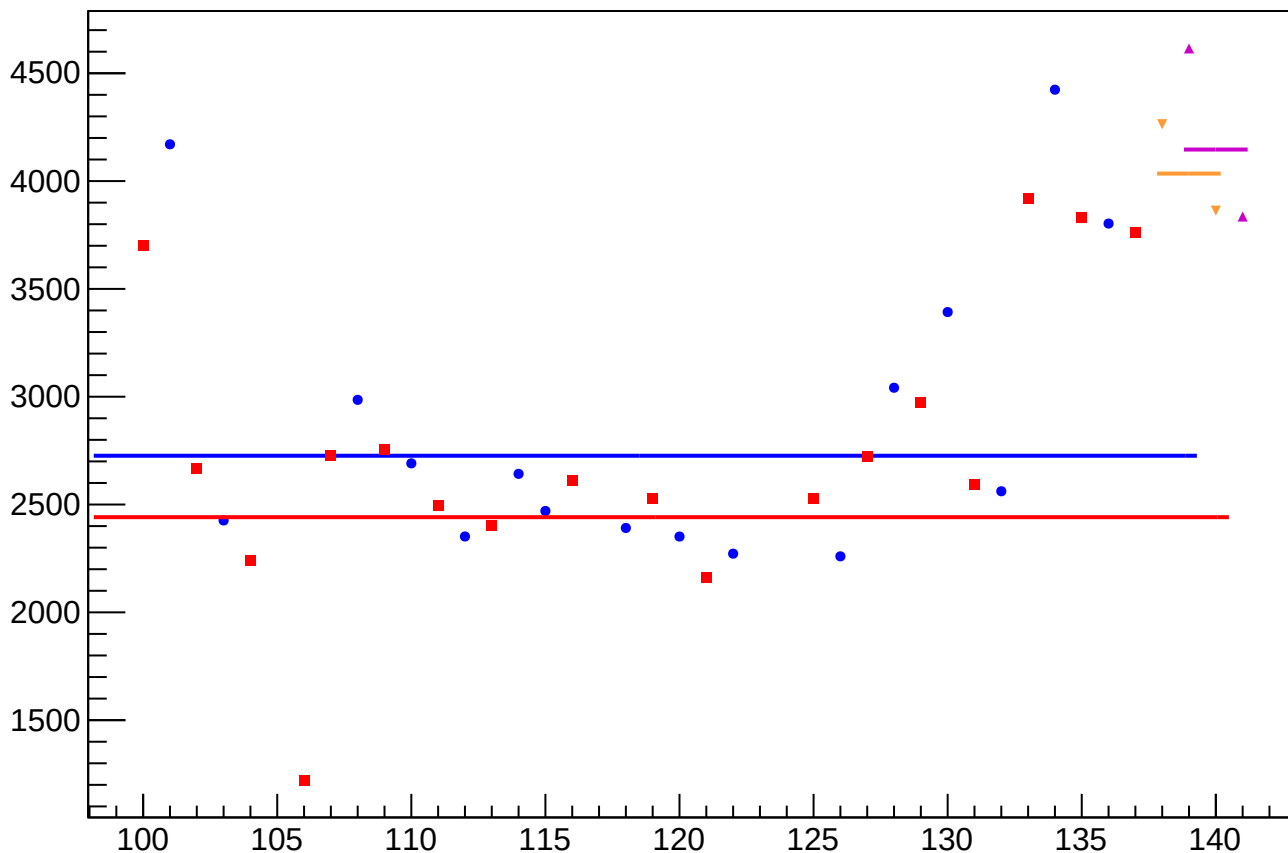
Left In: 1917.423+/-3171.590 χ^2/NDF : 0.1/1

+ sign -132.646+/-988.969 χ^2/NDF : 18.3/17

All: 110.839+/-682.714 χ^2/NDF : 38.3/37

- sign 332.512+/-943.632 χ^2/NDF : 19.9/19

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF : 623079.8/15

Left Out: 4034.776+/-2.254 χ^2/NDF : 7752.5/1

Right Out: 2441.363+/-0.667 χ^2/NDF : 891132.7/17

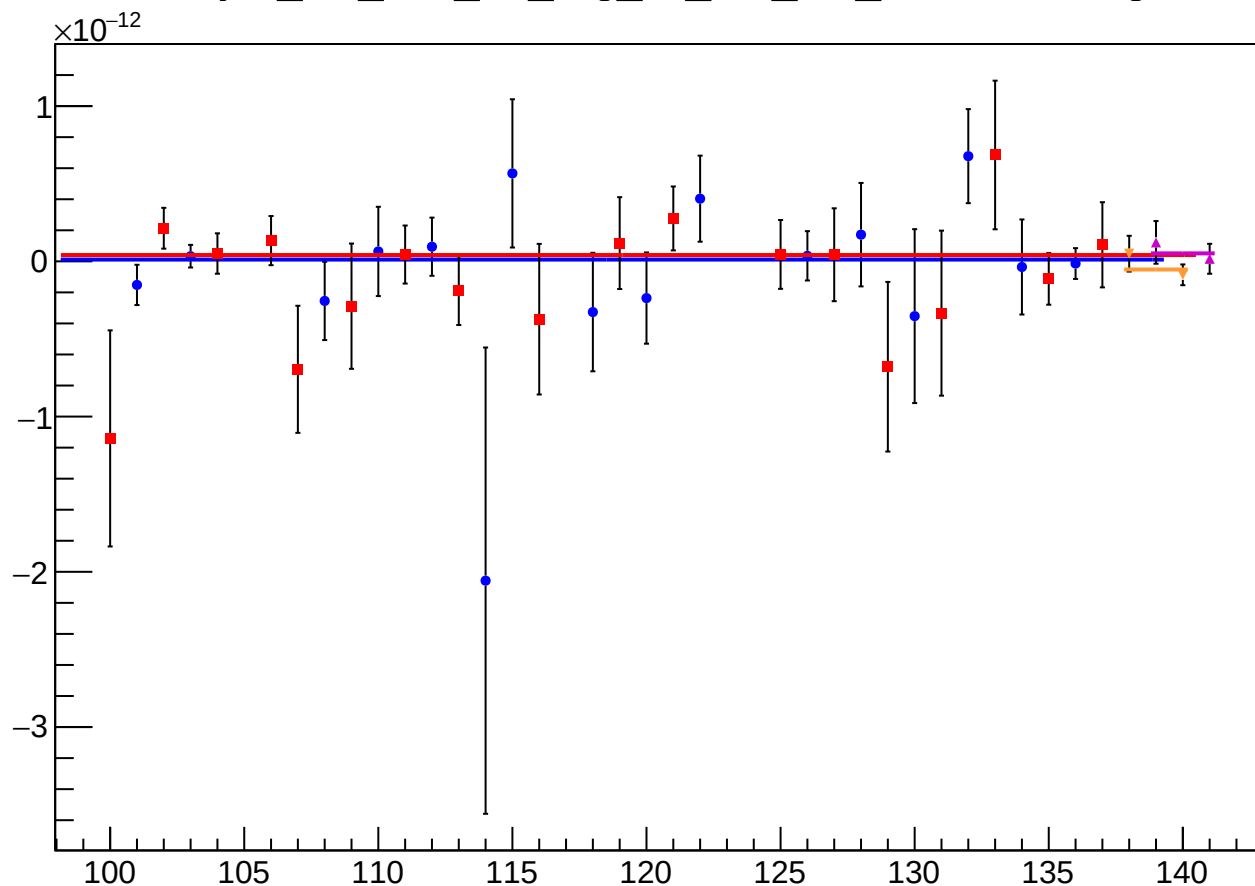
Left In: 4146.221+/-2.243 χ^2/NDF : 28962.0/1

+ sign 2852.210+/-0.699 χ^2/NDF : 935473.2/17

All: 2703.861+/-0.472 χ^2/NDF : 2469120.0/37

- sign 2579.890+/-0.639 χ^2/NDF : 1451037.4/19

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

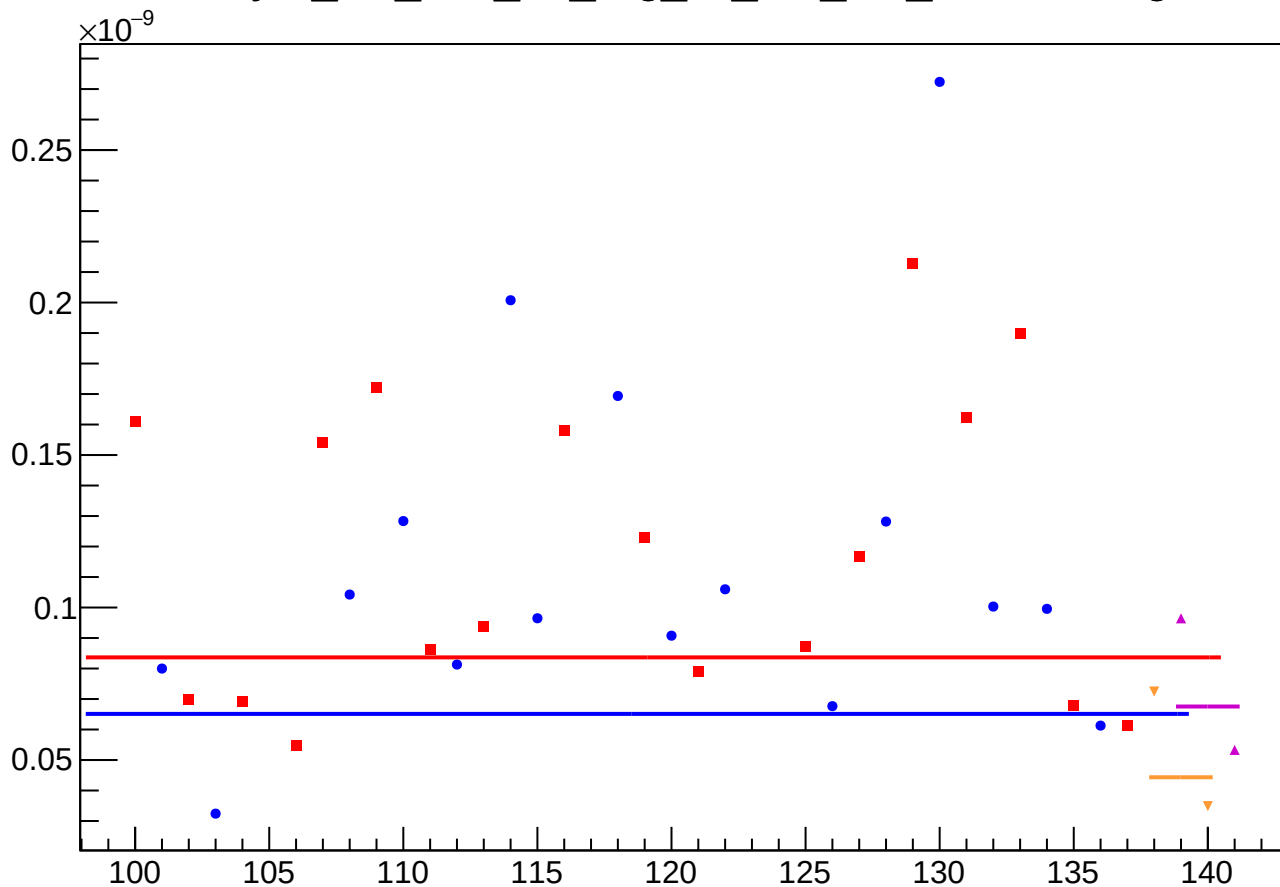
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/19

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

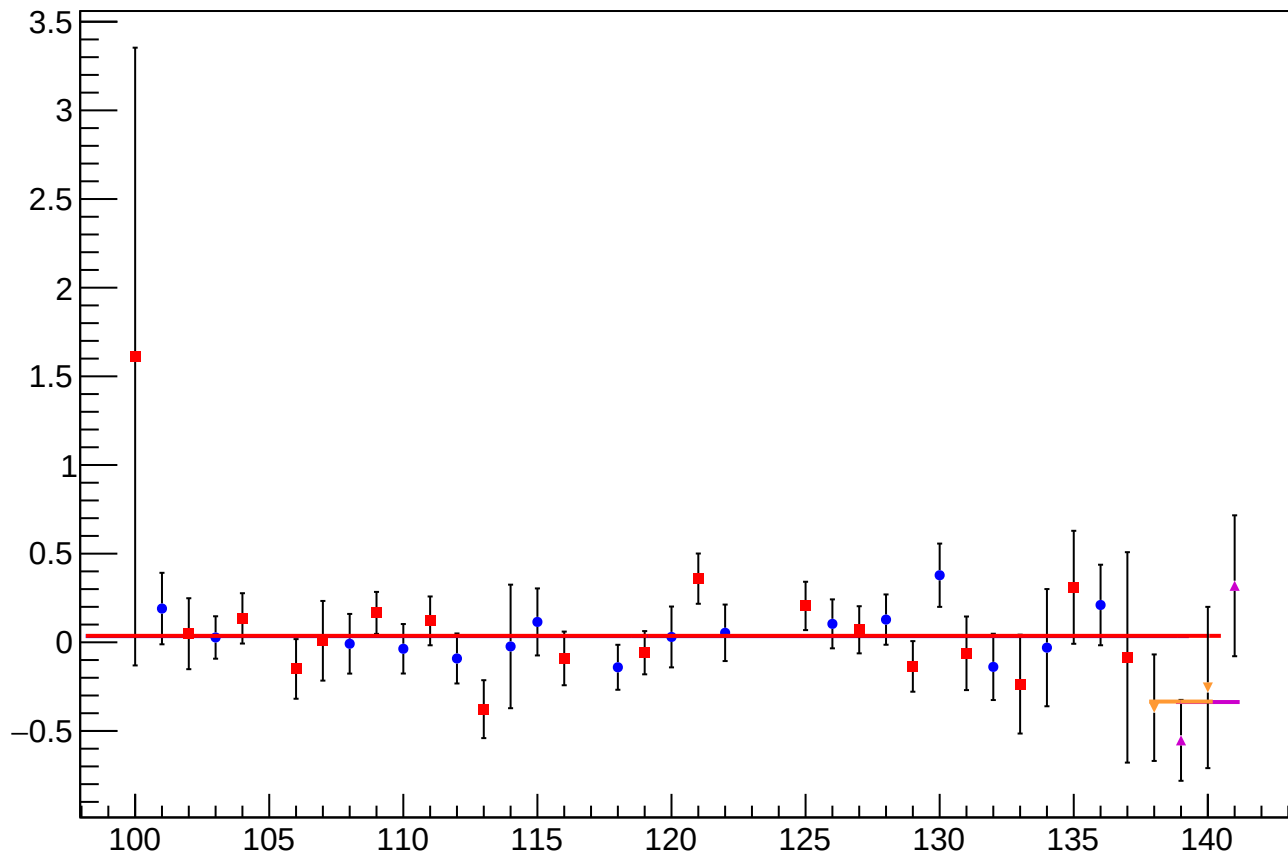
Left In: 0.000 ± 0.000 χ^2/NDF : 132148.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 1544923.2/17

All: 0.000 ± 0.000 χ^2/NDF : 2705898.1/37

- sign 0.000 ± 0.000 χ^2/NDF : 880887.7/19

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 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

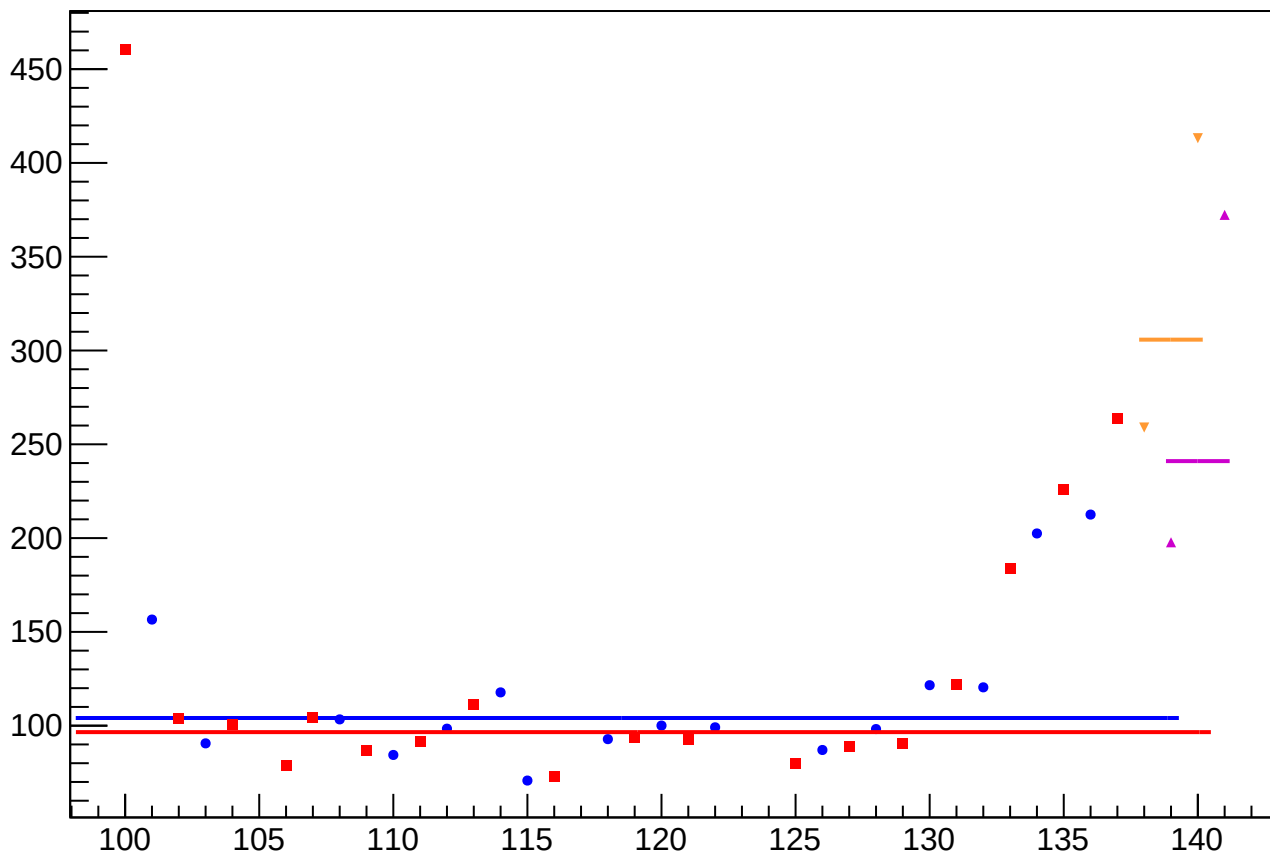
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF: 3.6/1

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 41.0/37

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF : 989856.1/15

Left Out: 305.790+/-0.177 χ^2/NDF : 160166.1/1

Right Out: 96.569+/-0.028 χ^2/NDF : 955547.2/17

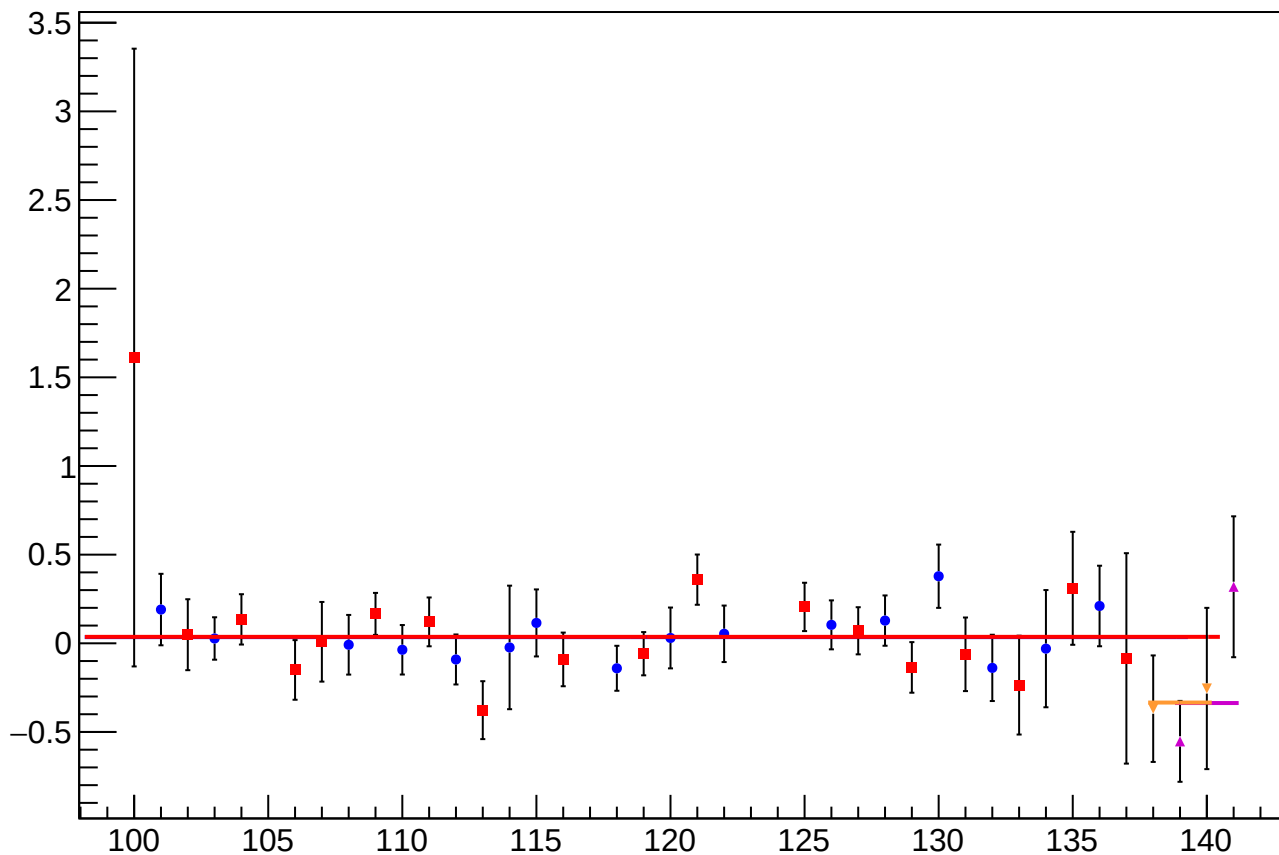
Left In: 241.042+/-0.140 χ^2/NDF : 290247.1/1

+ sign 109.364+/-0.029 χ^2/NDF : 2411485.1/17

All: 105.437+/-0.020 χ^2/NDF : 4719739.2/37

- sign 101.947+/-0.027 χ^2/NDF : 2272724.9/19

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 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

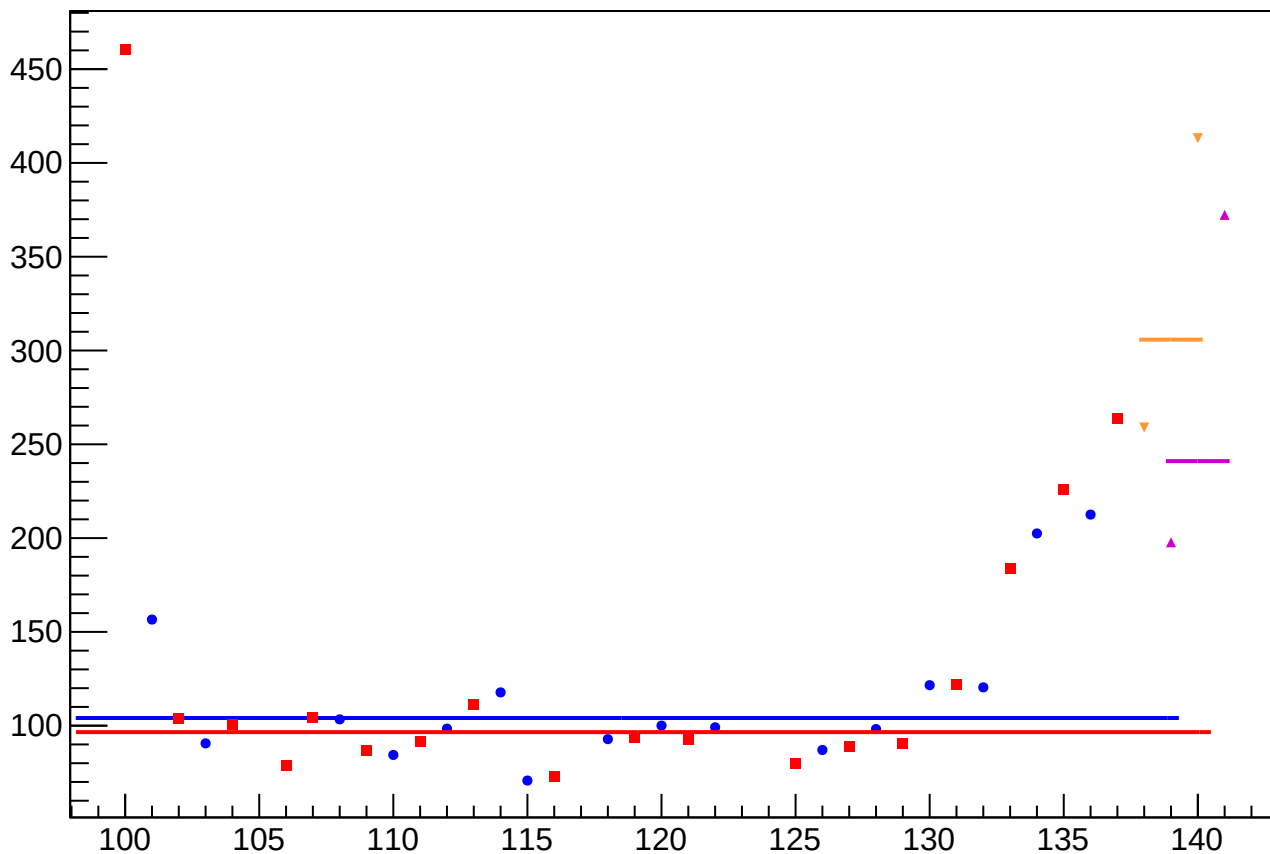
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF: 3.6/1

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 41.0/37

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

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

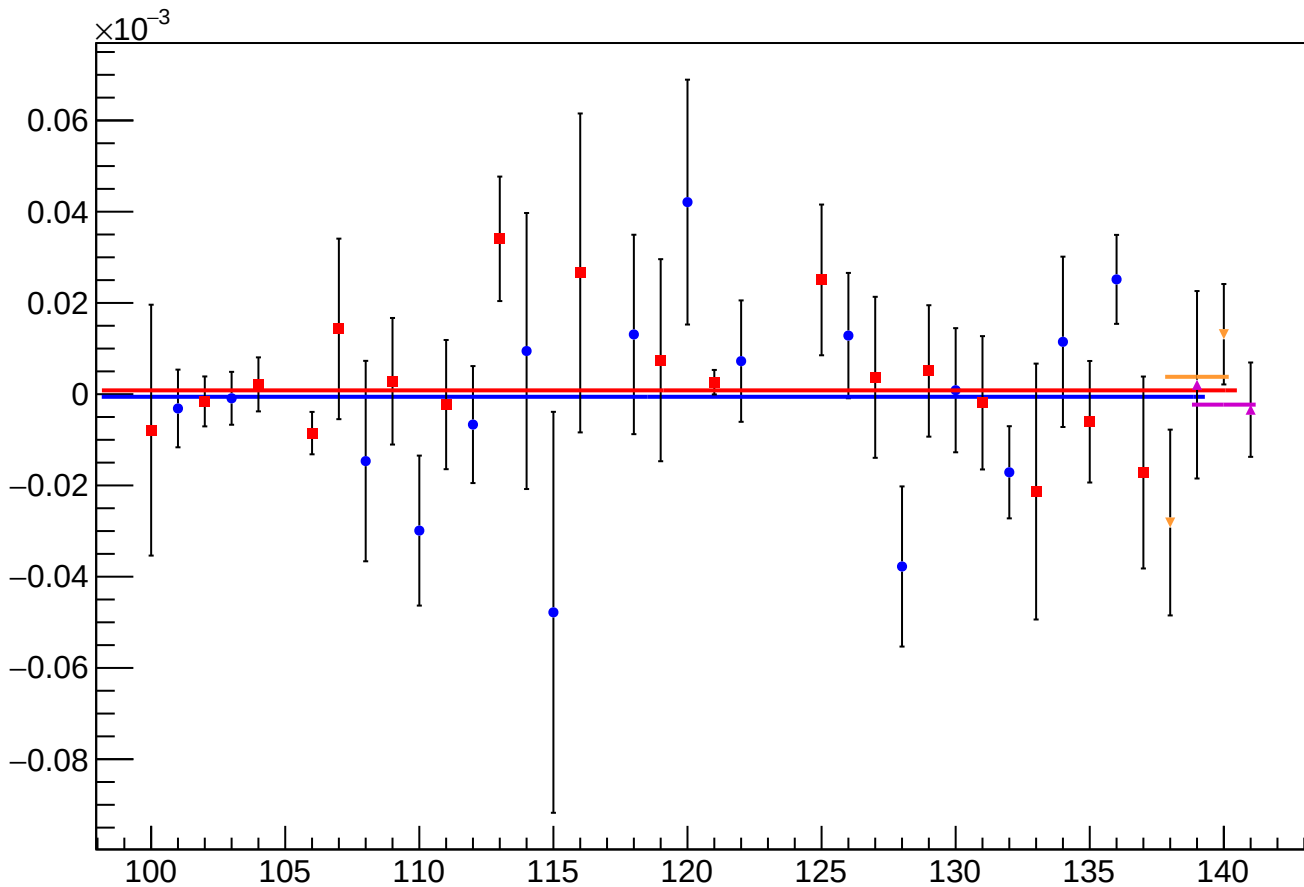
Left In: 241.042 $\pm$ 0.140 χ^2/NDF : 290247.1/1

+ sign 109.364 $\pm$ 0.029 χ^2/NDF : 2411485.1/17

All: 105.437 $\pm$ 0.020 χ^2/NDF : 4719739.2/37

- sign 101.947 $\pm$ 0.027 χ^2/NDF : 2272724.9/19

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

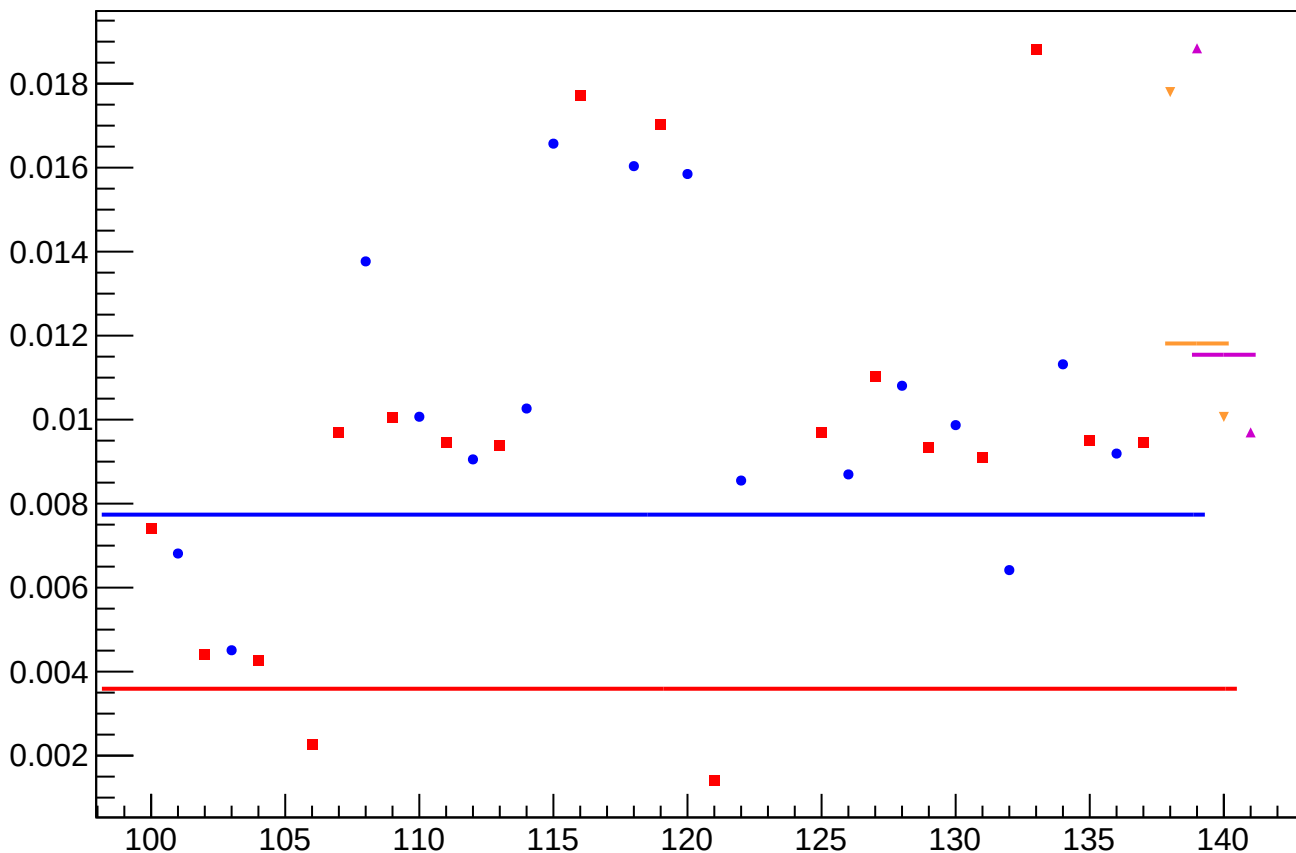
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 27.3/17

All: 0.000 ± 0.000 χ^2/NDF : 43.4/37

- sign 0.000 ± 0.000 χ^2/NDF : 16.0/19

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

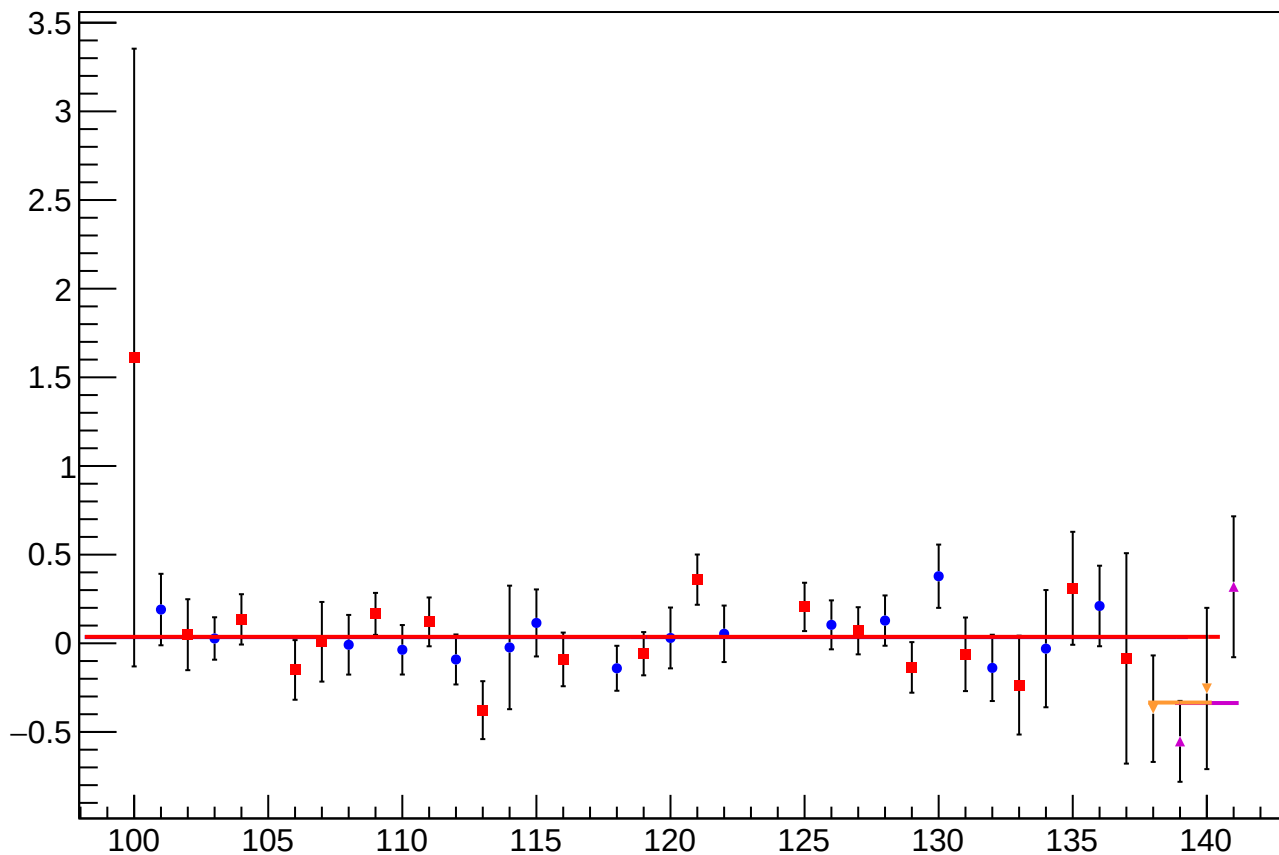
Left In: 0.012+/-0.000 χ^2/NDF : 316237.6/1

+ sign 0.008+/-0.000 χ^2/NDF : 2245938.5/17

All: 0.005+/-0.000 χ^2/NDF : 13315970.1/37

- sign 0.004+/-0.000 χ^2/NDF : 8107197.5/19

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 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

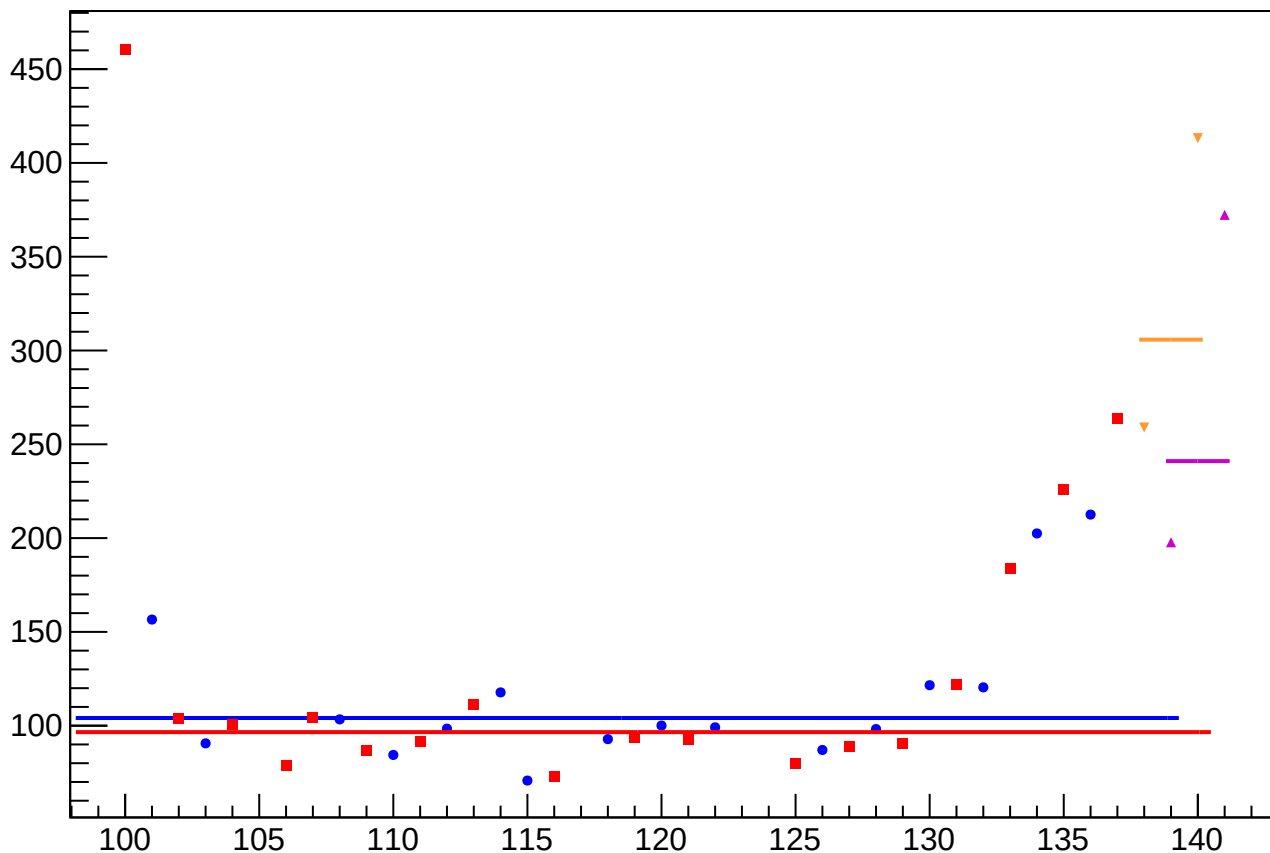
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF:3.6/1

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 41.0/37

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

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

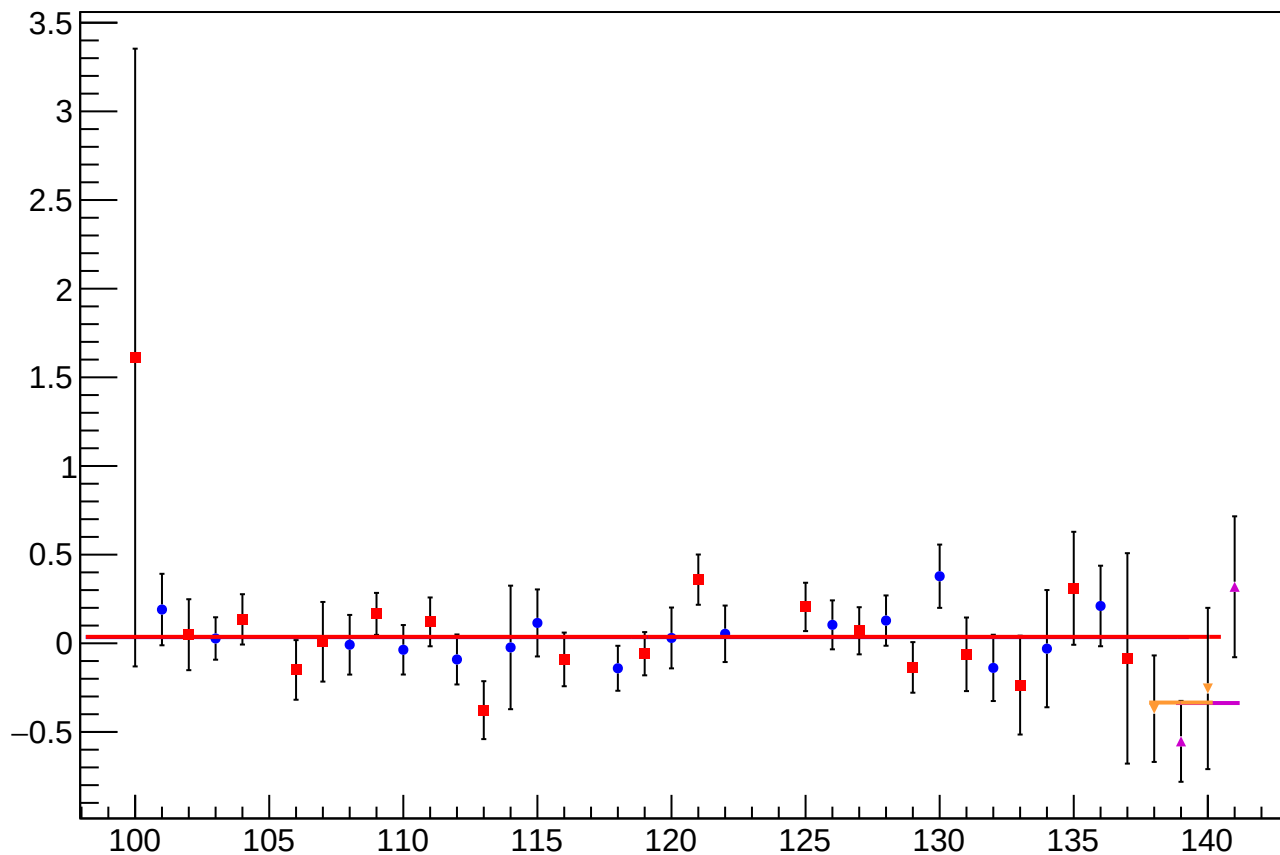
Left In: 241.049 $\pm$ 0.140 χ^2 /NDF:290234.7/1

+ sign 109.365 $\pm$ 0.029 χ^2 /NDF: 2411443.1/17

All: 105.438 $\pm$ 0.020 χ^2 /NDF: 4719632.9/37

- sign 101.948 $\pm$ 0.027 χ^2 /NDF: 2272665.4/19

asym_usl_atl2_dd_eigen_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

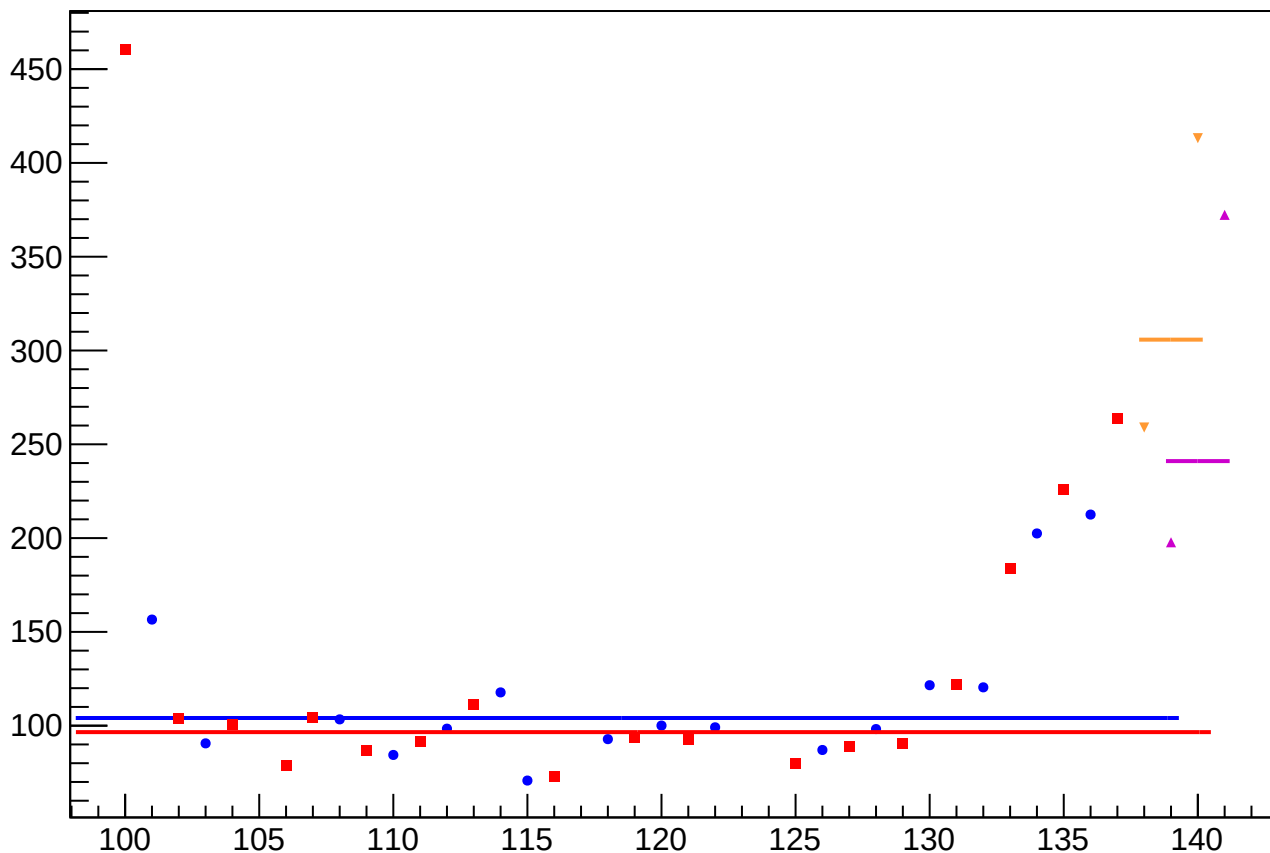
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF:3.6/1

+ sign 0.025 $\pm$ 0.040 χ^2 /NDF: 11.9/17

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 41.0/37

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

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

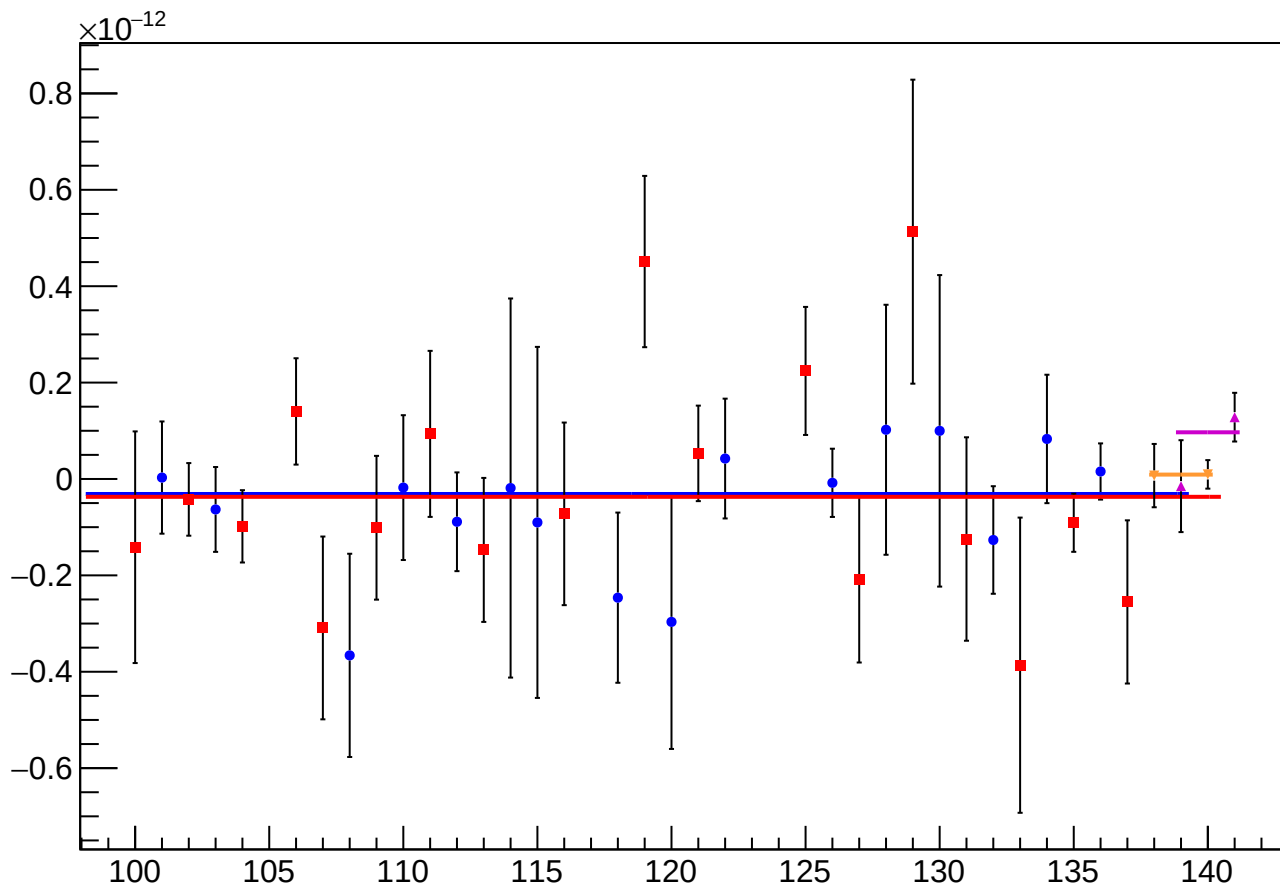
Left In: 241.049 $\pm$ 0.140 χ^2 /NDF: 290234.7/1

+ sign 109.365 $\pm$ 0.029 χ^2 /NDF: 2411443.1/17

All: 105.438 $\pm$ 0.020 χ^2 /NDF: 4719632.9/37

- sign 101.948 $\pm$ 0.027 χ^2 /NDF: 2272665.4/19

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

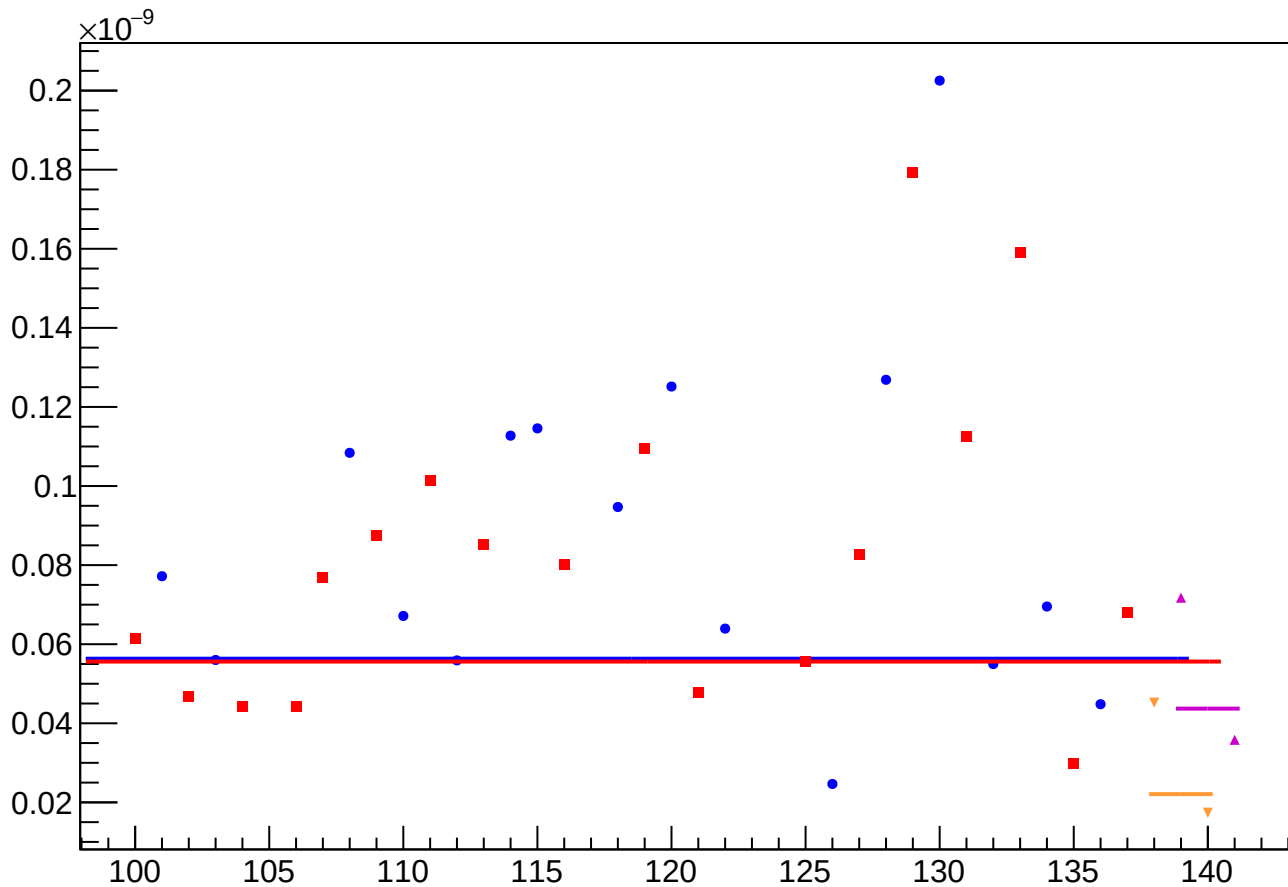
Left In: 0.000+/-0.000 χ^2 /NDF:1.8/1

+ sign -0.000+/-0.000 χ^2 /NDF: 9.6/17

All: -0.000+/-0.000 χ^2 /NDF: 44.9/37

- sign 0.000+/-0.000 χ^2 /NDF: 35.2/19

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

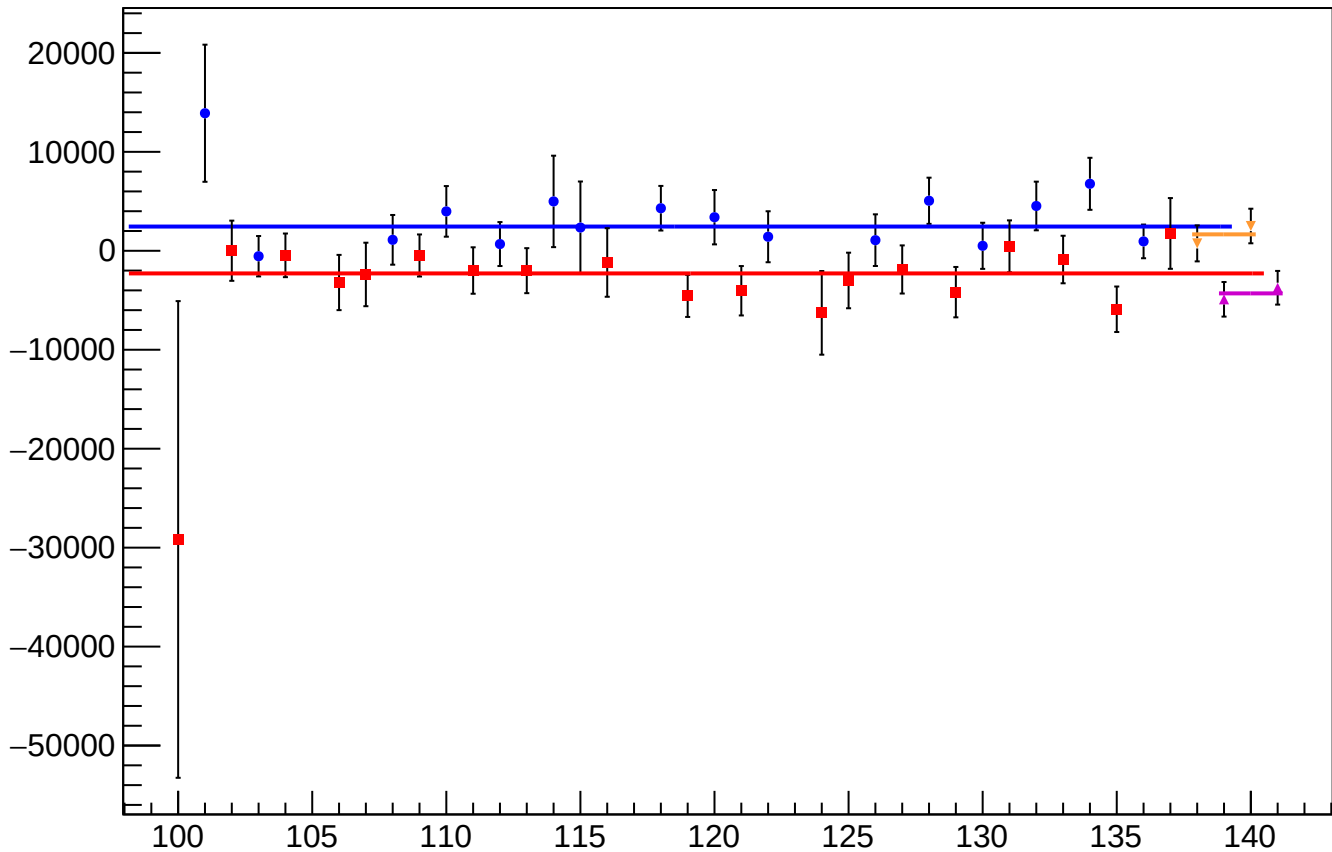
Left In: 0.000+/-0.000 χ^2/NDF : 222000.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3345754.0/17

All: 0.000+/-0.000 χ^2/NDF : 5861806.1/37

- sign 0.000+/-0.000 χ^2/NDF : 2089866.7/19

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

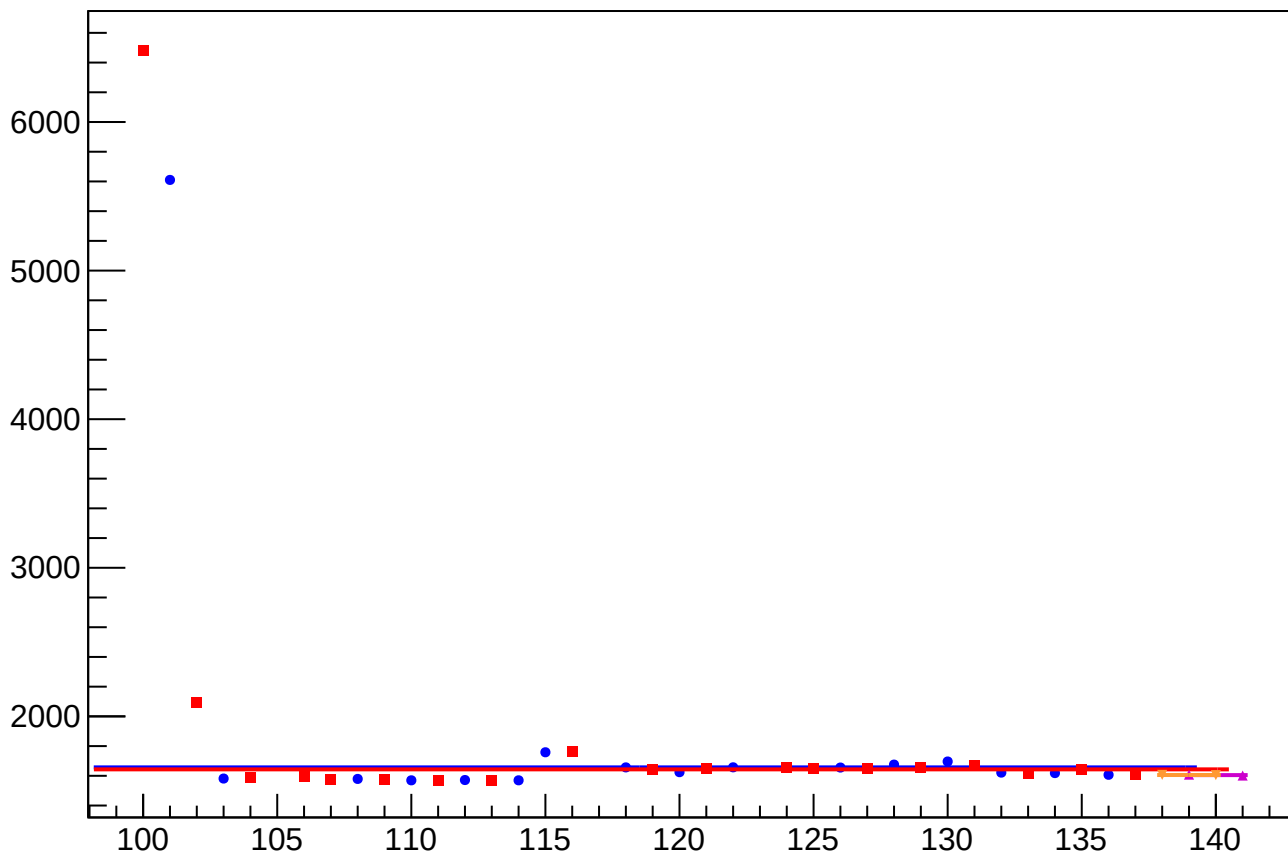
Left In: -4304.384 $\pm$ 1219.507 χ^2 /NDF: 0.2/1

+ sign 2292.129 $\pm$ 563.647 χ^2 /NDF: 14.6/17

All: -282.668 $\pm$ 391.782 χ^2 /NDF: 69.3/38

- sign -2689.504 $\pm$ 544.953 χ^2 /NDF: 14.3/20

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666226.2/15

Left Out: 1605.401+/-0.891 χ^2/NDF : 0.8/1

Right Out: 1643.430+/-0.431 χ^2/NDF : 136997.9/18

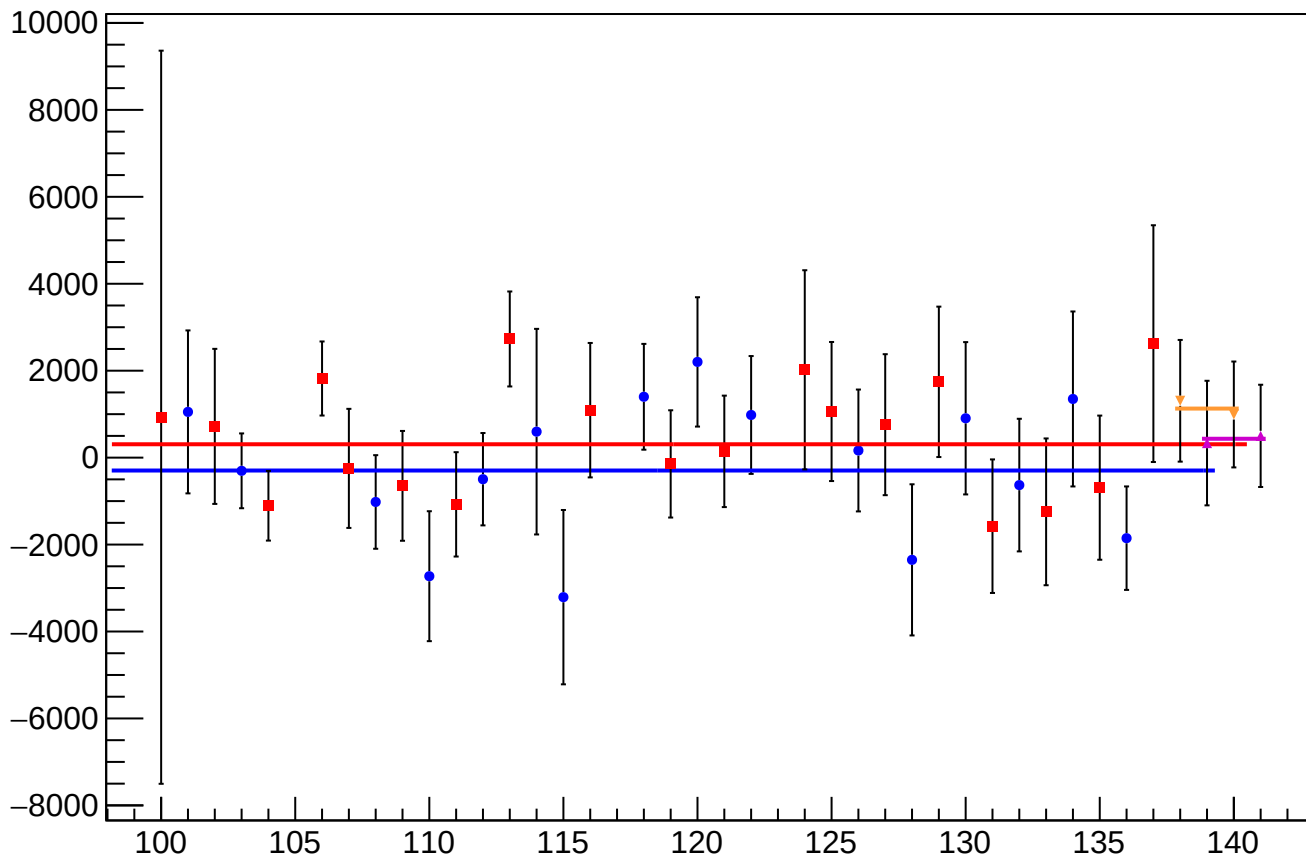
Left In: 1604.781+/-0.862 χ^2/NDF : 12.5/1

+ sign 1646.419+/-0.399 χ^2/NDF : 668877.4/17

All: 1640.885+/-0.277 χ^2/NDF : 807868.5/38

- sign 1635.712+/-0.385 χ^2/NDF : 138618.1/20

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450 ± 343.436 χ^2/NDF : 16.0/15

Left Out: 1128.560 ± 918.845 χ^2/NDF : 0.0/1

Right Out: 307.671 ± 312.976 χ^2/NDF : 18.7/18

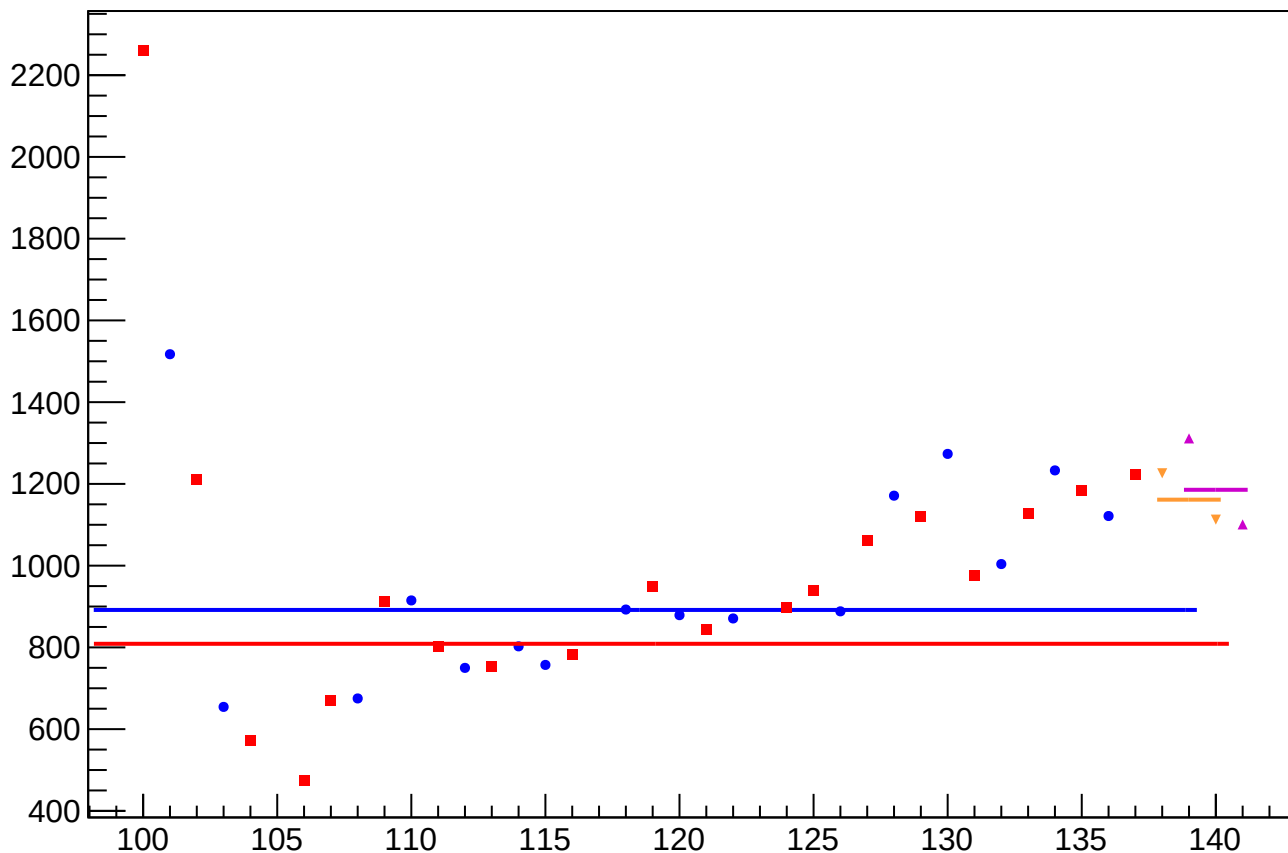
Left In: 434.032 ± 909.075 χ^2/NDF : 0.0/1

+ sign -121.774 ± 321.699 χ^2/NDF : 18.1/17

All: 118.088 ± 217.795 χ^2/NDF : 37.9/38

- sign 321.061 ± 295.929 χ^2/NDF : 18.7/20

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF : 793897.2/15

Left Out: 1161.446+/-0.650 χ^2/NDF : 7472.9/1

Right Out: 808.809+/-0.221 χ^2/NDF : 1083841.8/18

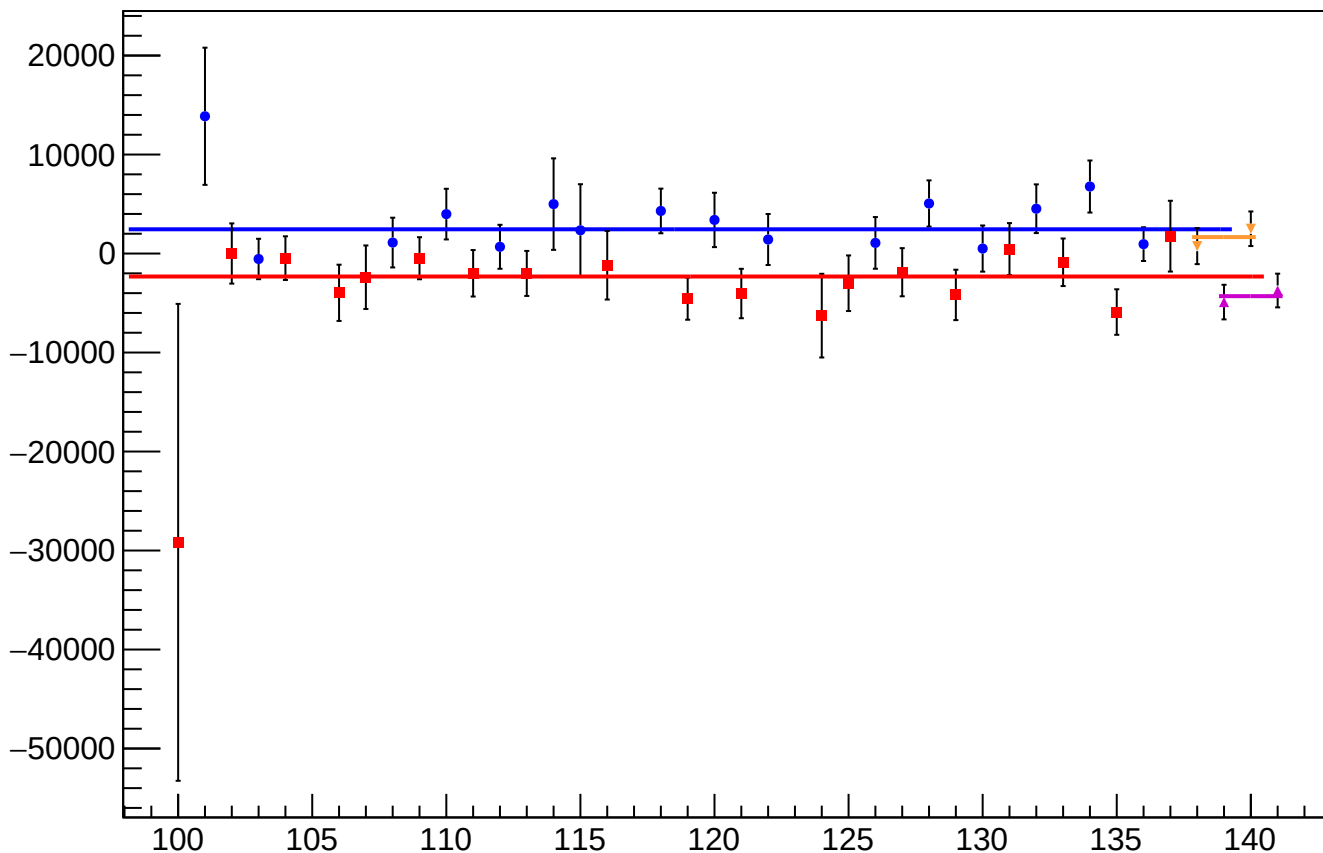
Left In: 1185.604+/-0.643 χ^2/NDF : 25776.3/1

+ sign 924.706+/-0.227 χ^2/NDF : 952684.1/17

All: 883.558+/-0.154 χ^2/NDF : 2429893.8/38

- sign 848.738+/-0.209 χ^2/NDF : 1416798.1/20

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

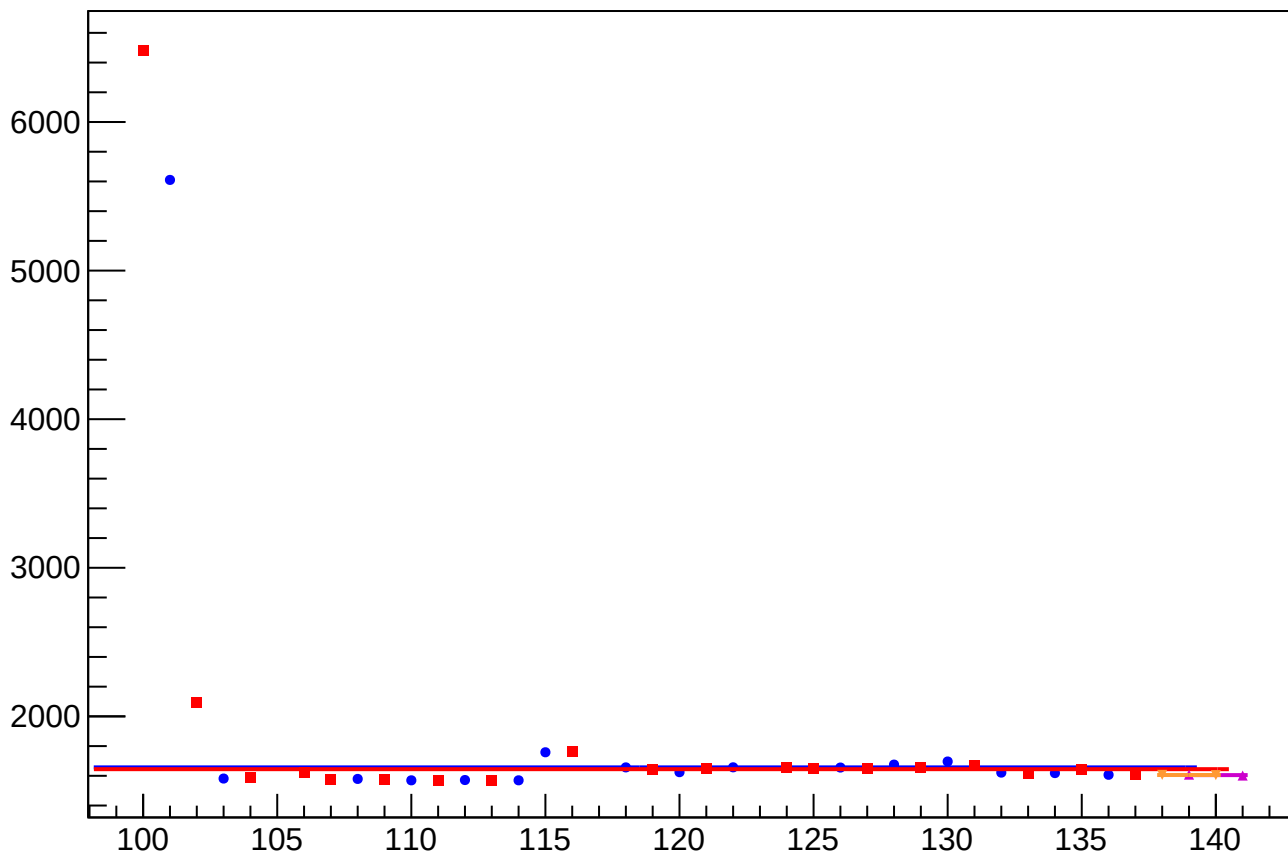
Left In: -4304.696 $\pm$ 1219.507 χ^2 /NDF: 0.2/1

+ sign 2291.686 $\pm$ 563.647 χ^2 /NDF: 14.6/17

All: -295.606 $\pm$ 391.915 χ^2 /NDF: 69.8/38

- sign -2717.299 $\pm$ 545.311 χ^2 /NDF: 14.4/20

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF : 0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF : 136483.1/18

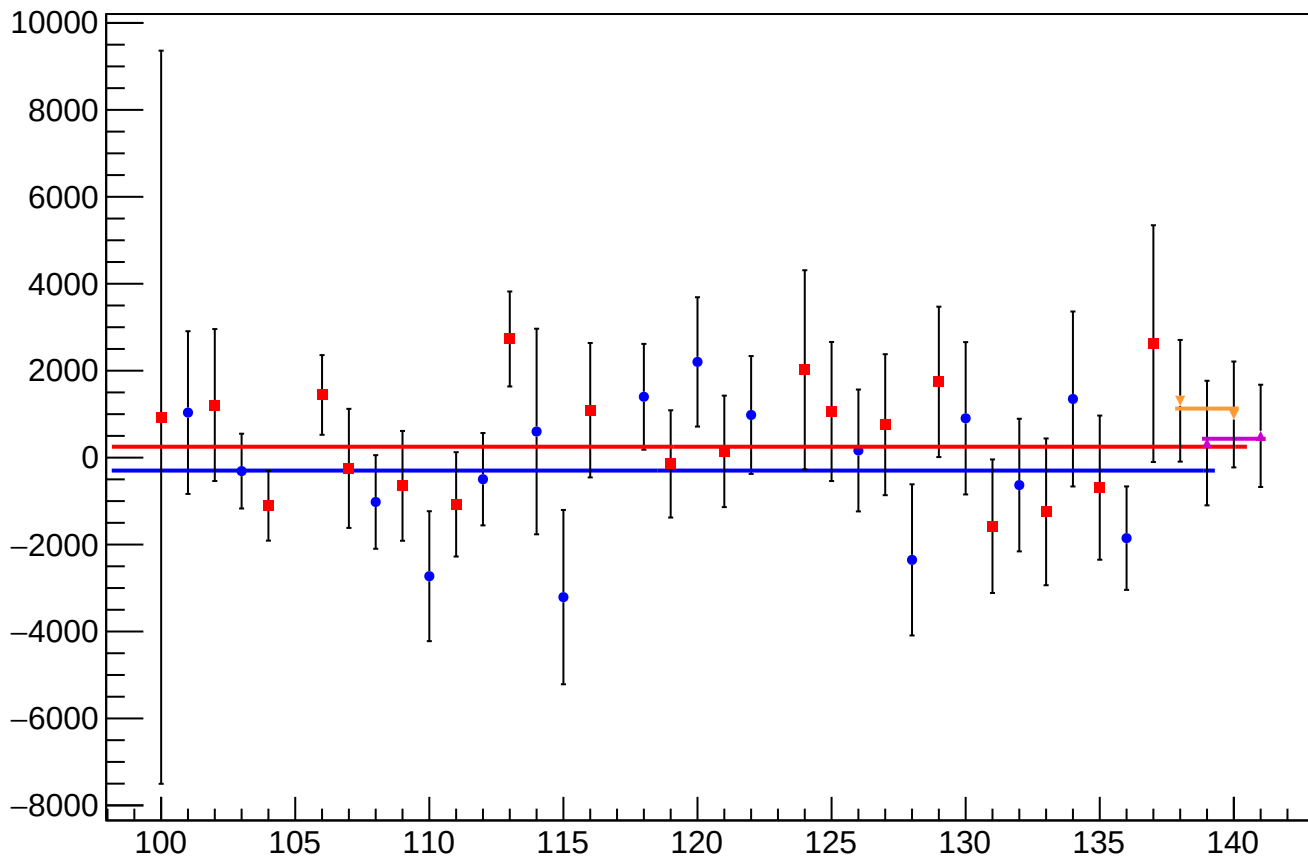
Left In: 1604.781+/-0.862 χ^2/NDF : 12.5/1

+ sign 1646.419+/-0.399 χ^2/NDF : 668876.9/17

All: 1641.422+/-0.277 χ^2/NDF : 807394.3/38

- sign 1636.744+/-0.386 χ^2/NDF : 138213.0/20

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

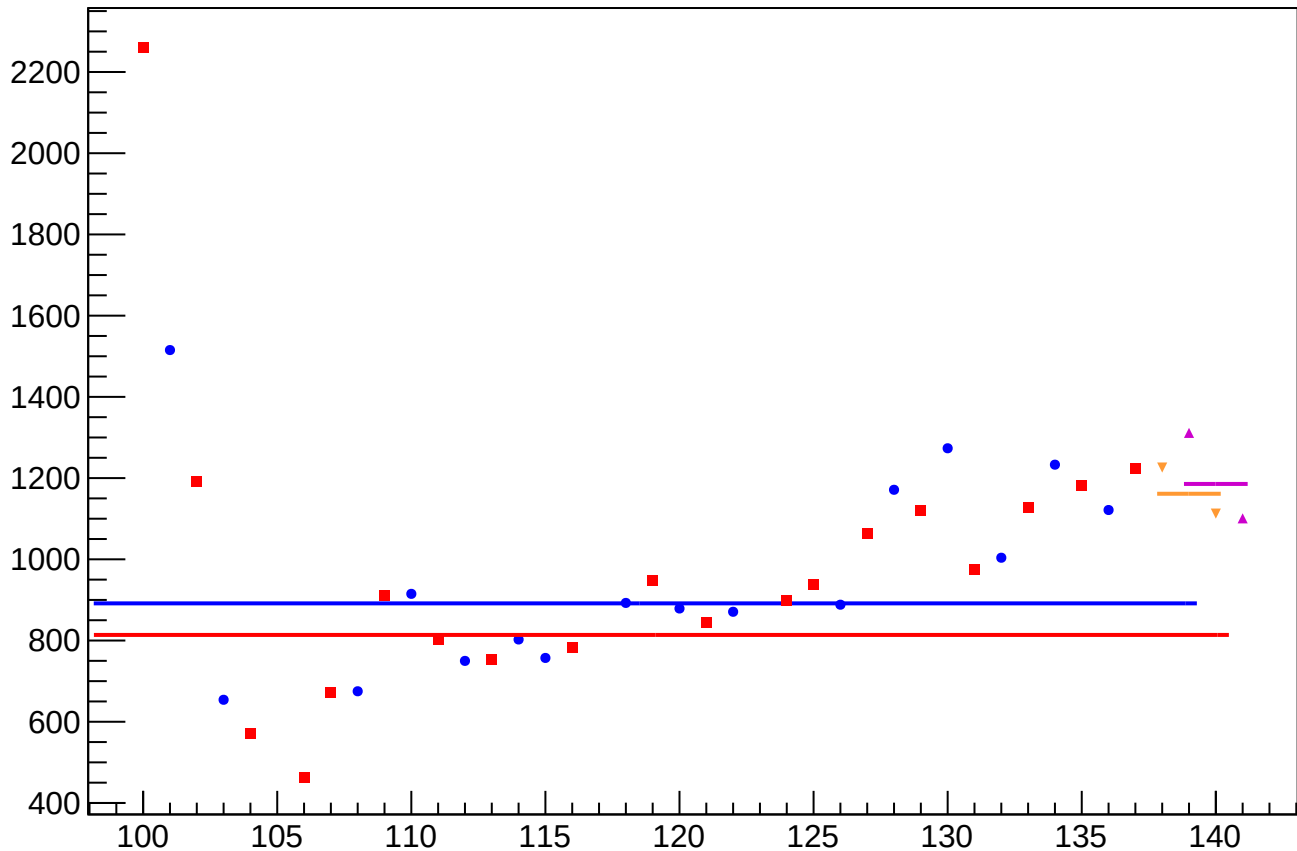
Left In: 434.262+/-909.076 χ^2 /NDF: 0.0/1

+ sign -122.989+/-321.662 χ^2 /NDF: 18.1/17

All: 88.815+/-218.711 χ^2 /NDF: 36.2/38

- sign 270.934+/-298.270 χ^2 /NDF: 17.3/20

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF : 793657.2/15

Left Out: 1161.438+/-0.650 χ^2/NDF : 7472.9/1

Right Out: 813.807+/-0.223 χ^2/NDF : 1052991.6/18

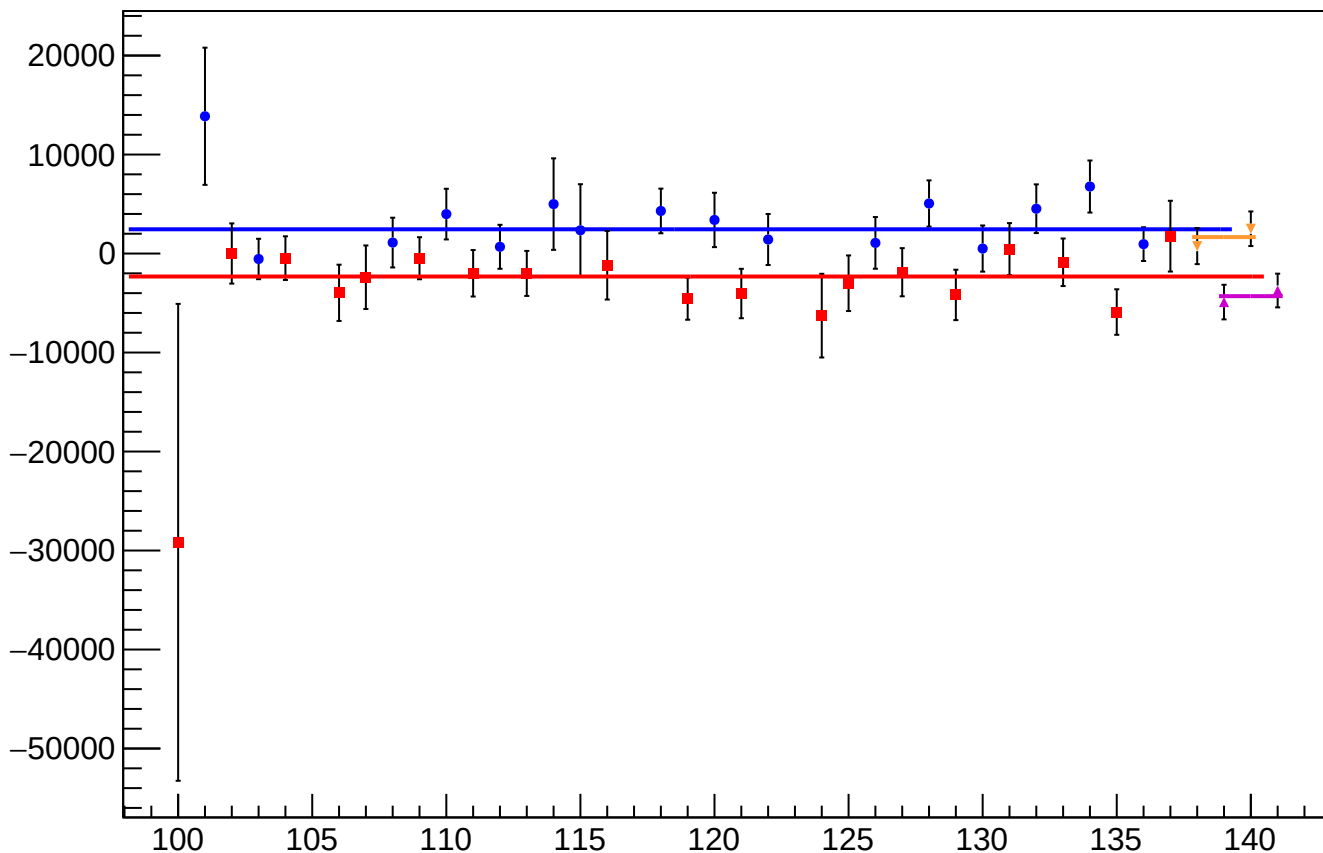
Left In: 1185.604+/-0.643 χ^2/NDF : 25781.4/1

+ sign 924.610+/-0.227 χ^2/NDF : 952554.1/17

All: 886.554+/-0.155 χ^2/NDF : 2381915.2/38

- sign 853.831+/-0.211 χ^2/NDF : 1377294.4/20

eigen_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

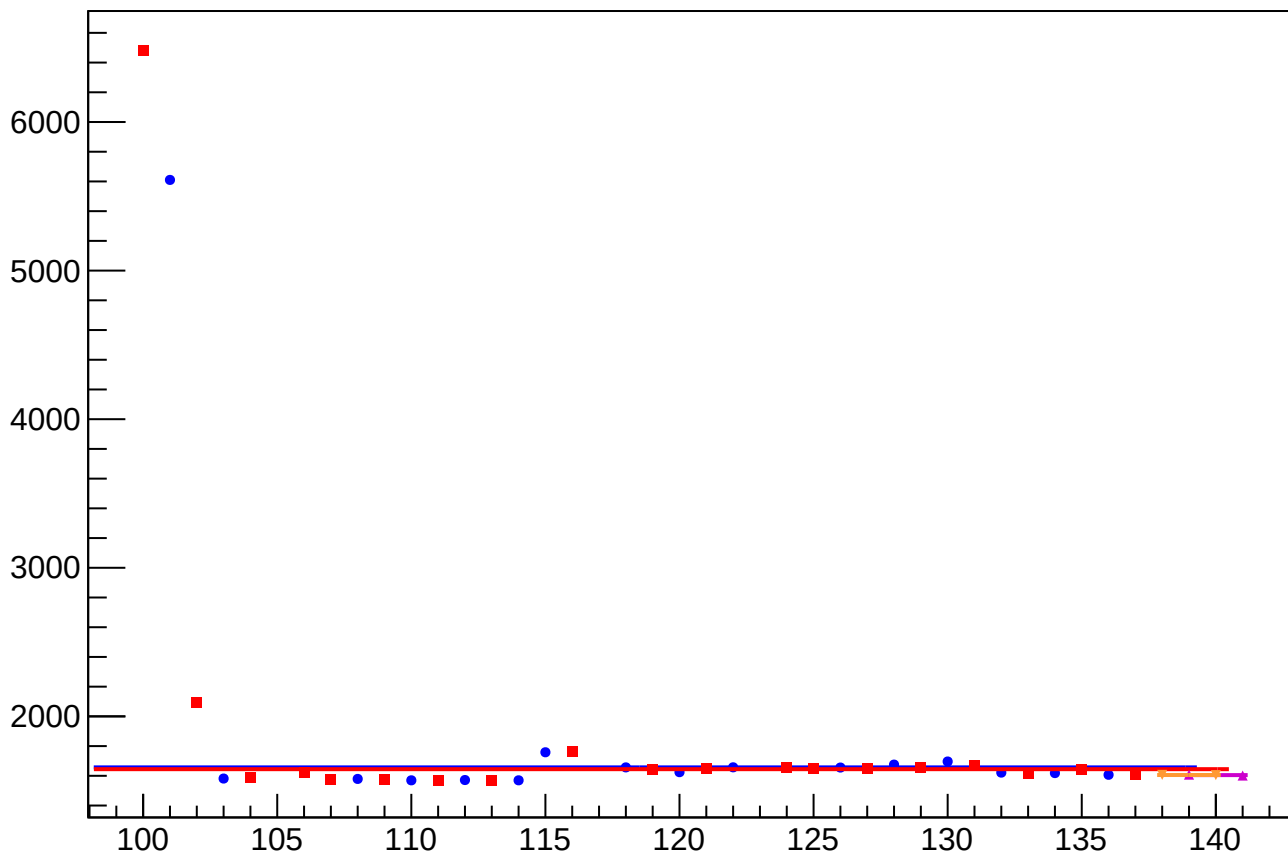
Left In: -4304.696 $\pm$ 1219.507 χ^2 /NDF: 0.2/1

+ sign 2291.686 $\pm$ 563.647 χ^2 /NDF: 14.6/17

All: -295.606 $\pm$ 391.915 χ^2 /NDF: 69.8/38

- sign -2717.299 $\pm$ 545.311 χ^2 /NDF: 14.4/20

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF : 0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF : 136483.1/18

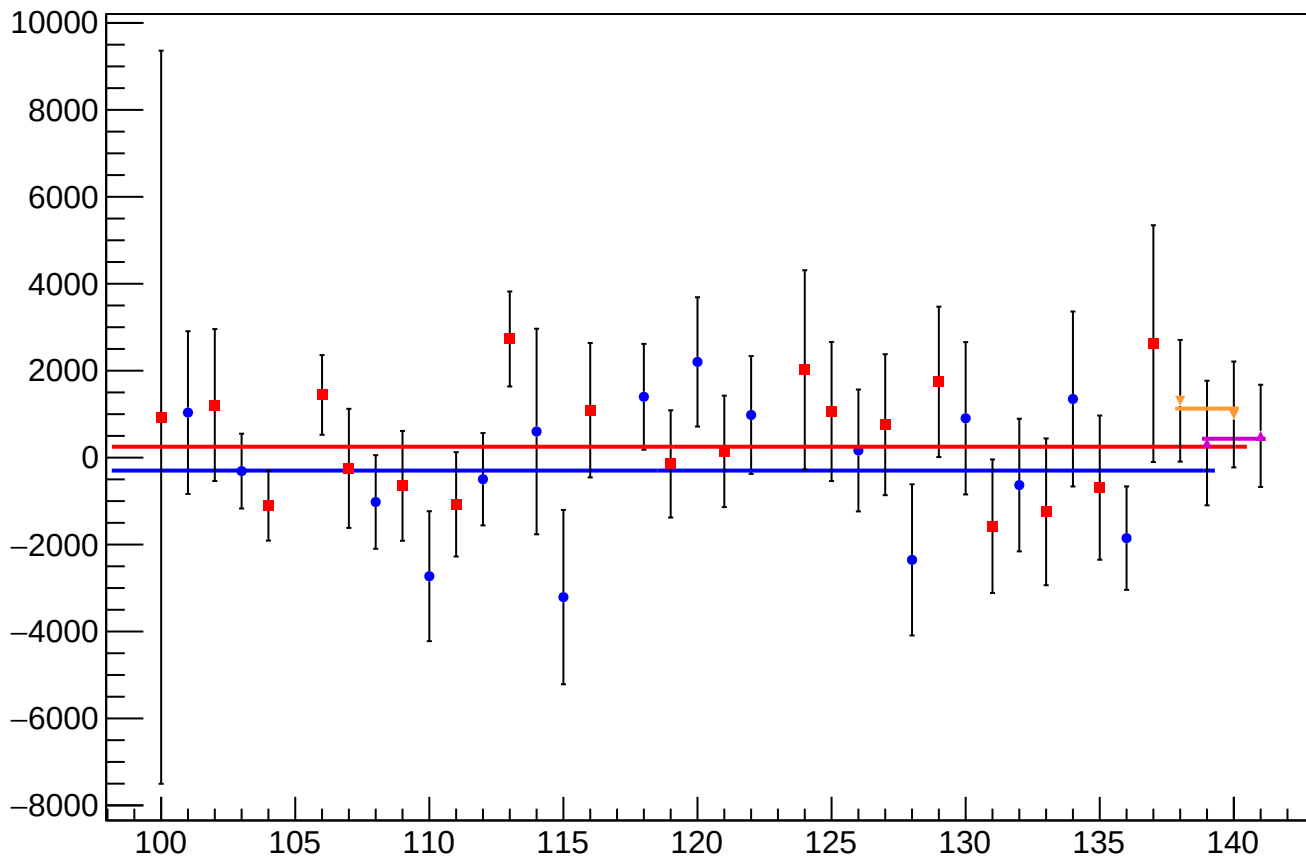
Left In: 1604.781+/-0.862 χ^2/NDF : 12.5/1

+ sign 1646.419+/-0.399 χ^2/NDF : 668876.9/17

All: 1641.422+/-0.277 χ^2/NDF : 807394.3/38

- sign 1636.744+/-0.386 χ^2/NDF : 138213.0/20

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

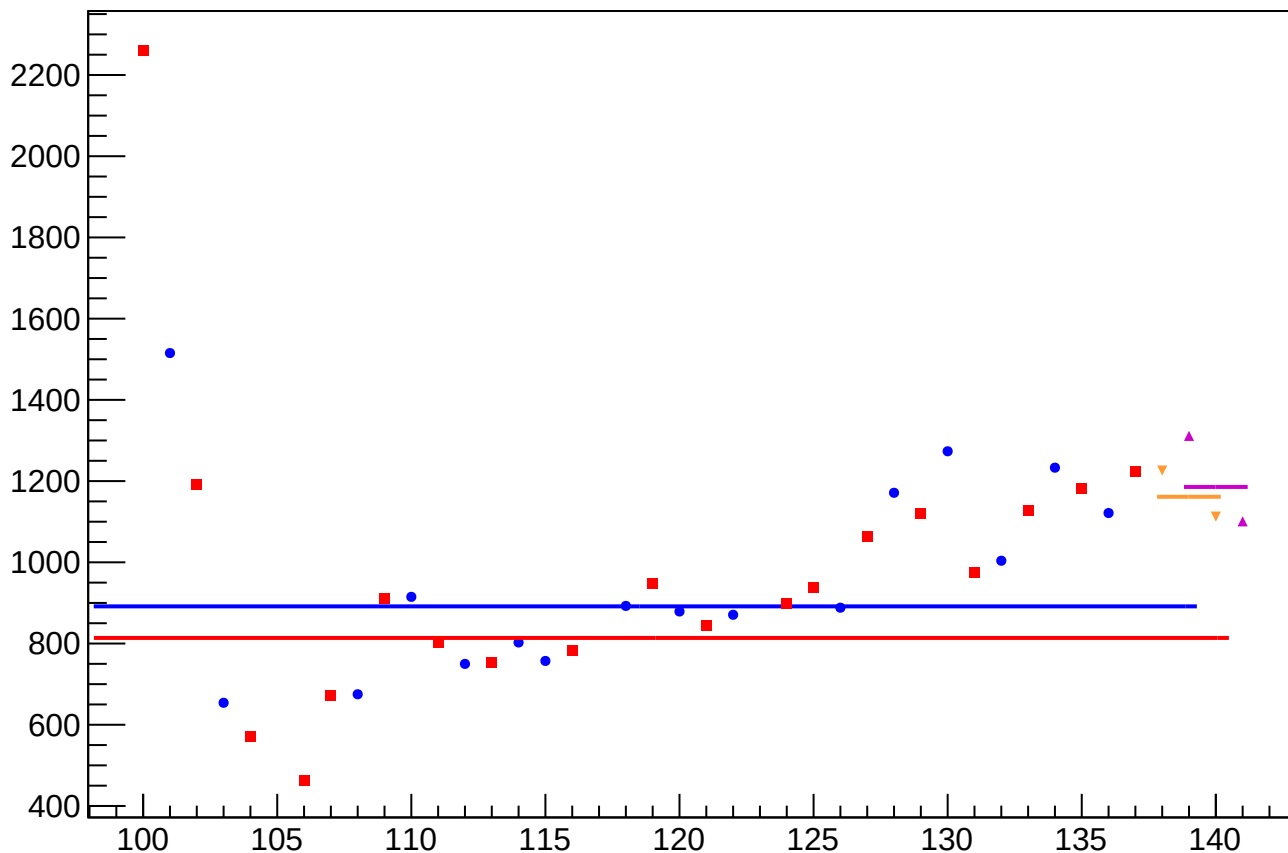
Left In: 434.262 ± 909.076 χ^2/NDF : 0.0/1

+ sign -122.989 ± 321.662 χ^2/NDF : 18.1/17

All: 88.815 ± 218.711 χ^2/NDF : 36.2/38

- sign 270.934 ± 298.270 χ^2/NDF : 17.3/20

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF : 793657.2/15

Left Out: 1161.438+/-0.650 χ^2/NDF : 7472.9/1

Right Out: 813.807+/-0.223 χ^2/NDF : 1052991.6/18

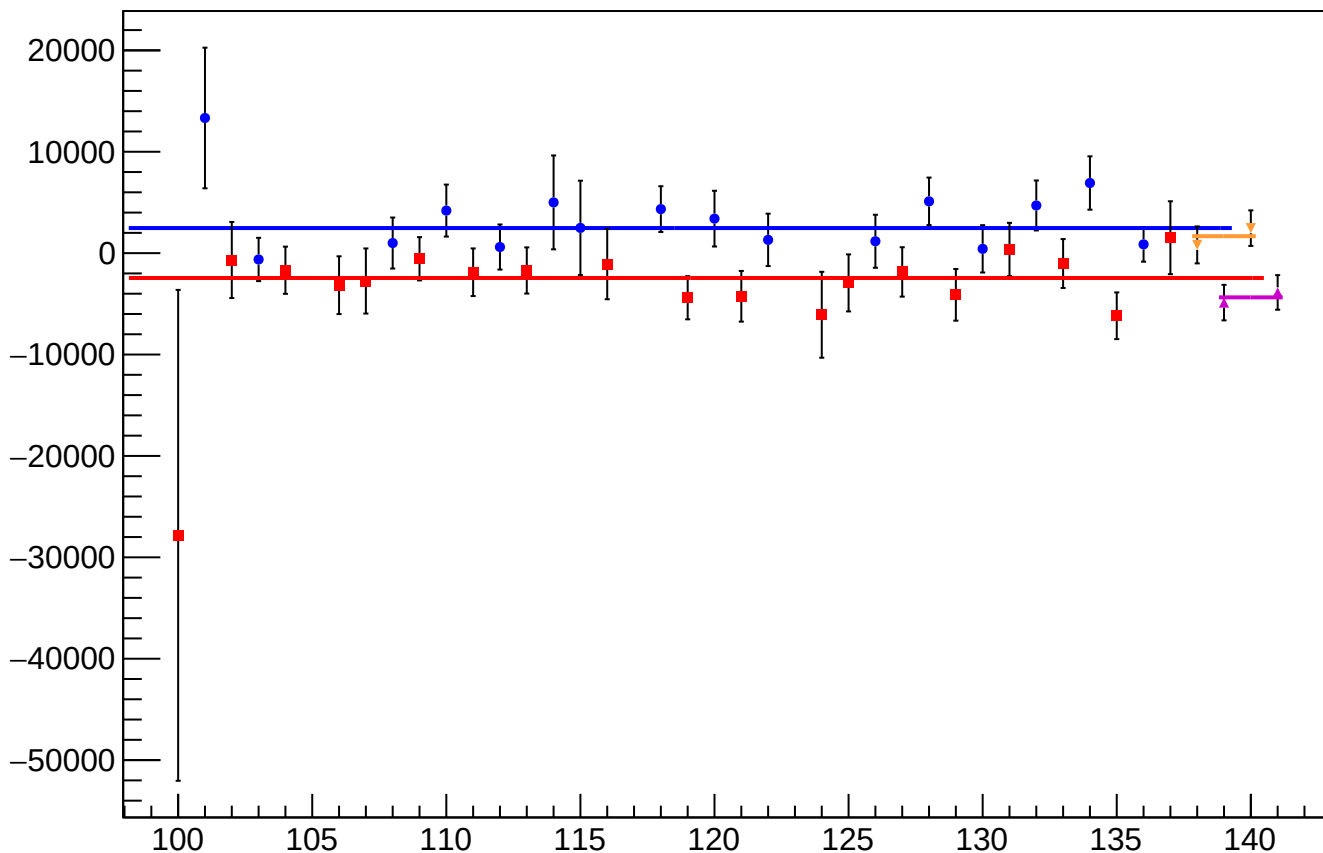
Left In: 1185.604+/-0.643 χ^2/NDF : 25781.4/1

+ sign 924.610+/-0.227 χ^2/NDF : 952554.1/17

All: 886.554+/-0.155 χ^2/NDF : 2381915.2/38

- sign 853.831+/-0.211 χ^2/NDF : 1377294.4/20

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

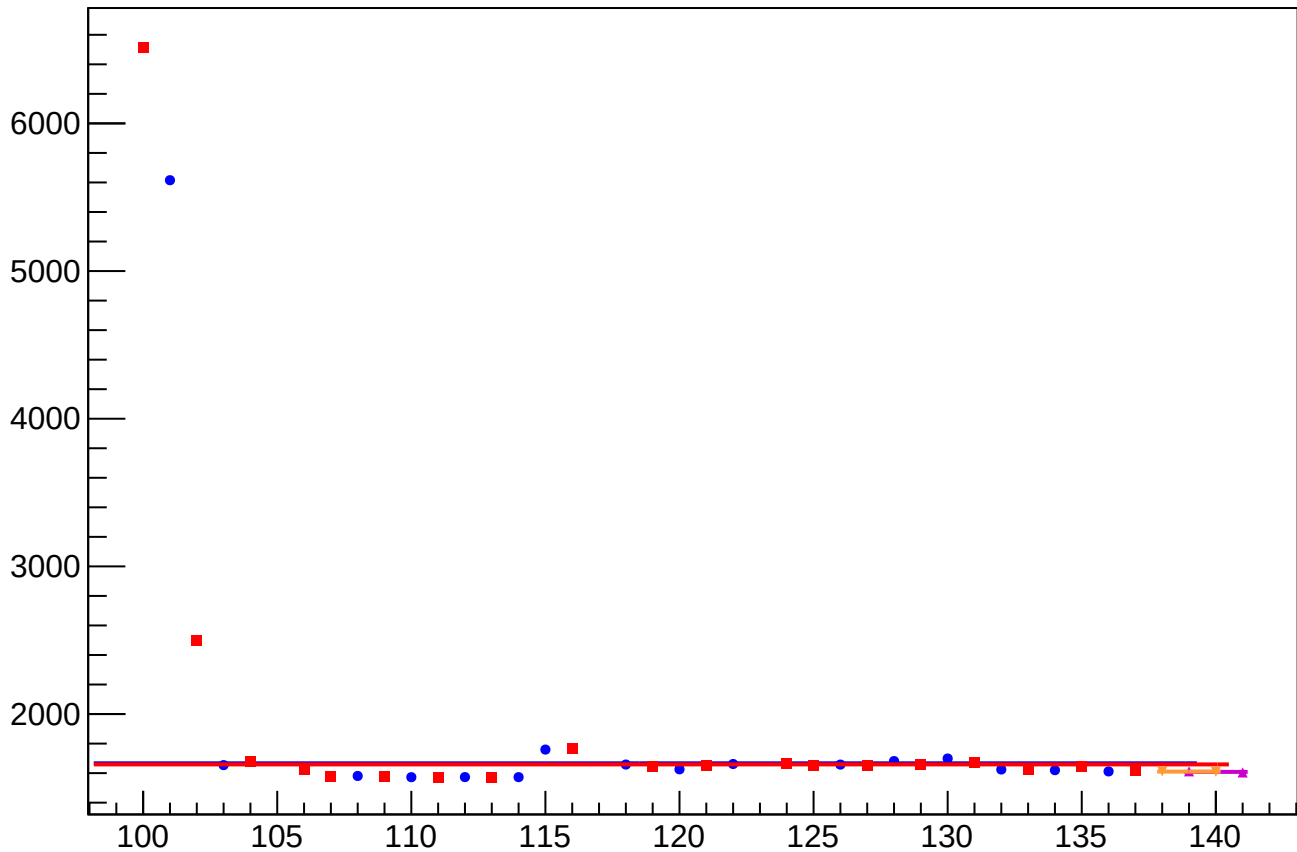
Left In: -4362.204 $\pm$ 1222.203 χ^2 /NDF:0.2/1

+ sign 2313.882 $\pm$ 566.591 χ^2 /NDF: 15.0/17

All: -333.181 $\pm$ 395.076 χ^2 /NDF: 70.1/38

- sign -2838.132 $\pm$ 551.173 χ^2 /NDF: 12.7/20

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF : 1.4/1

Right Out: 1659.005+/-0.437 χ^2/NDF : 193223.7/18

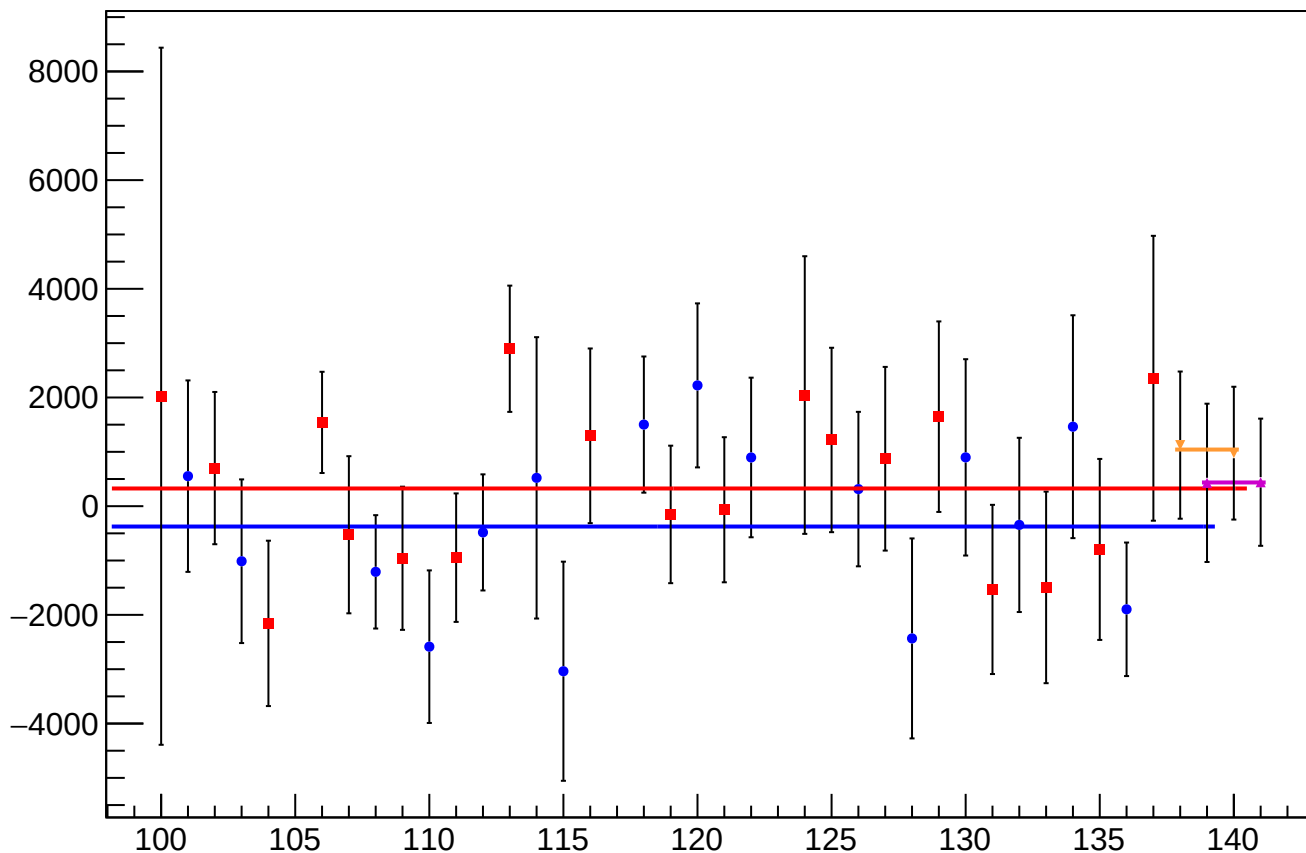
Left In: 1608.256+/-0.864 χ^2/NDF : 19.7/1

+ sign 1655.131+/-0.401 χ^2/NDF : 666060.9/17

All: 1651.818+/-0.279 χ^2/NDF : 862184.2/38

- sign 1648.684+/-0.390 χ^2/NDF : 195990.3/20

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF : 15.7/15

Left Out: 1041.979+/-907.288 χ^2/NDF : 0.0/1

Right Out: 325.671+/-340.620 χ^2/NDF : 17.4/18

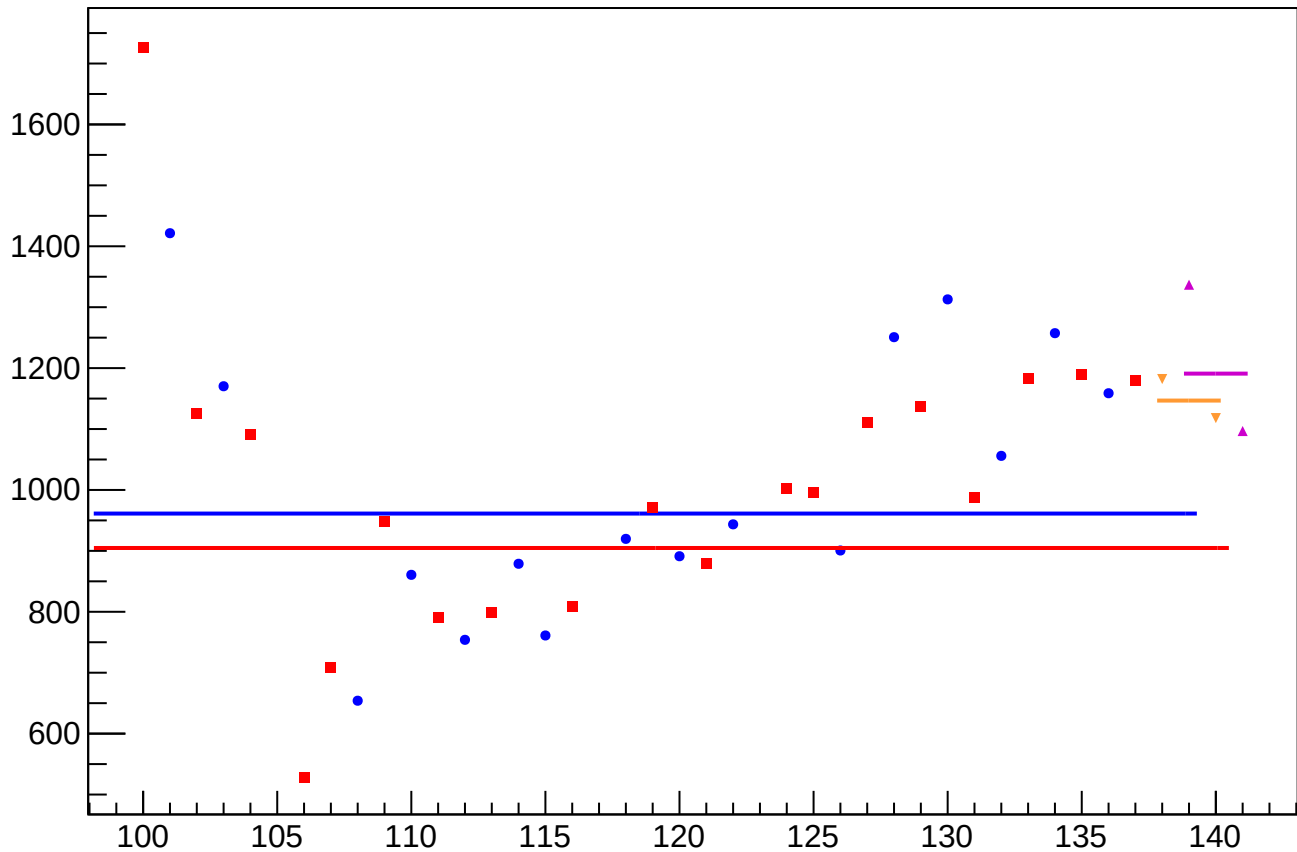
Left In: 436.270+/-912.262 χ^2/NDF : 0.0/1

+ sign -174.520+/-340.972 χ^2/NDF : 17.8/17

All: 99.344+/-232.988 χ^2/NDF : 36.5/38

- sign 339.204+/-319.102 χ^2/NDF : 17.4/20

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

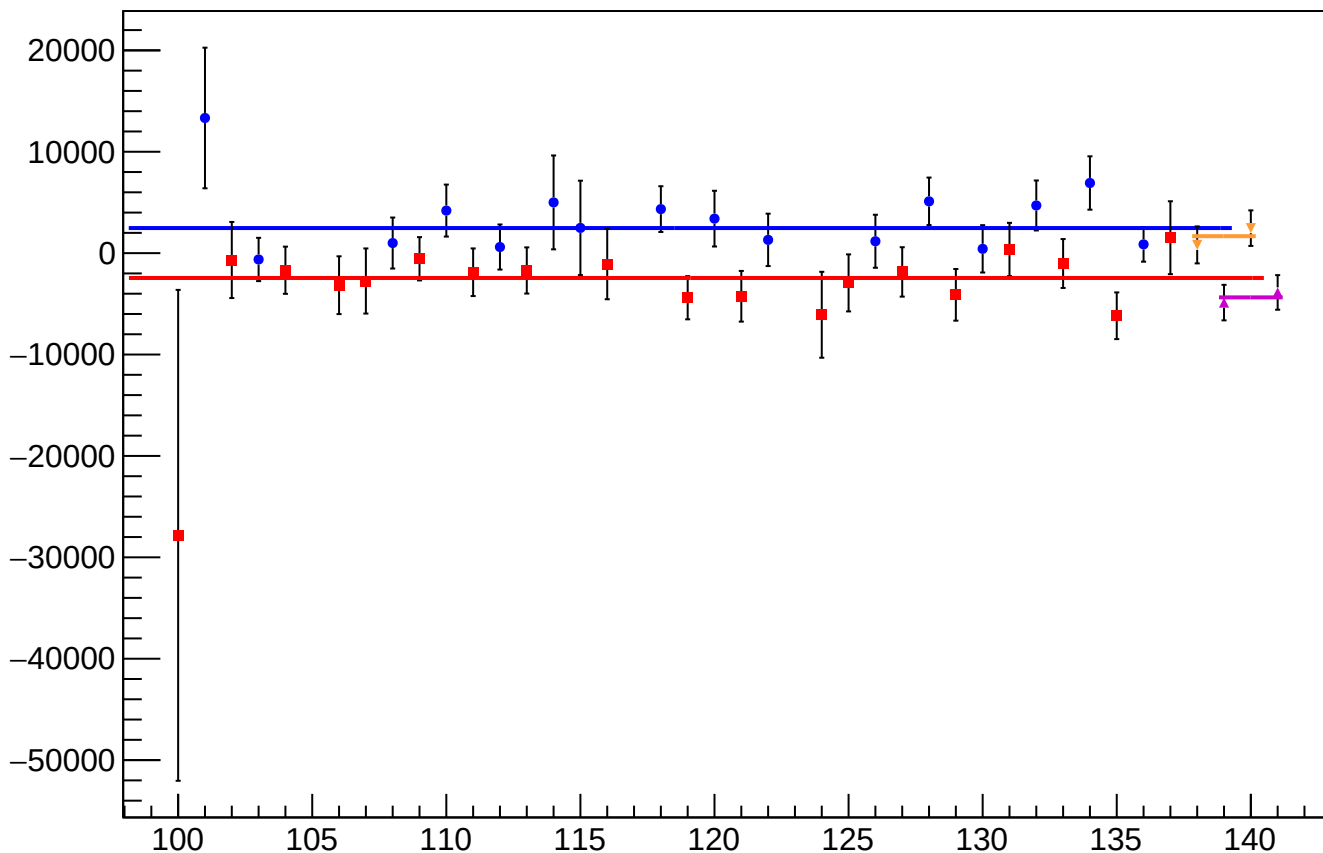
Left In: 1190.967 $\pm$ 0.645 χ^2/NDF : 33048.4/1

+ sign 987.440 $\pm$ 0.241 χ^2/NDF : 766132.4/17

All: 962.021 $\pm$ 0.165 χ^2/NDF : 1729315.1/38

- sign 939.758 $\pm$ 0.226 χ^2/NDF : 942332.3/20

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228 $\pm$ 633.866 χ^2 /NDF: 14.2/15

Left Out: 1672.518 $\pm$ 1263.773 χ^2 /NDF:0.4/1

Right Out: -2449.053 $\pm$ 617.532 χ^2 /NDF: 10.6/18

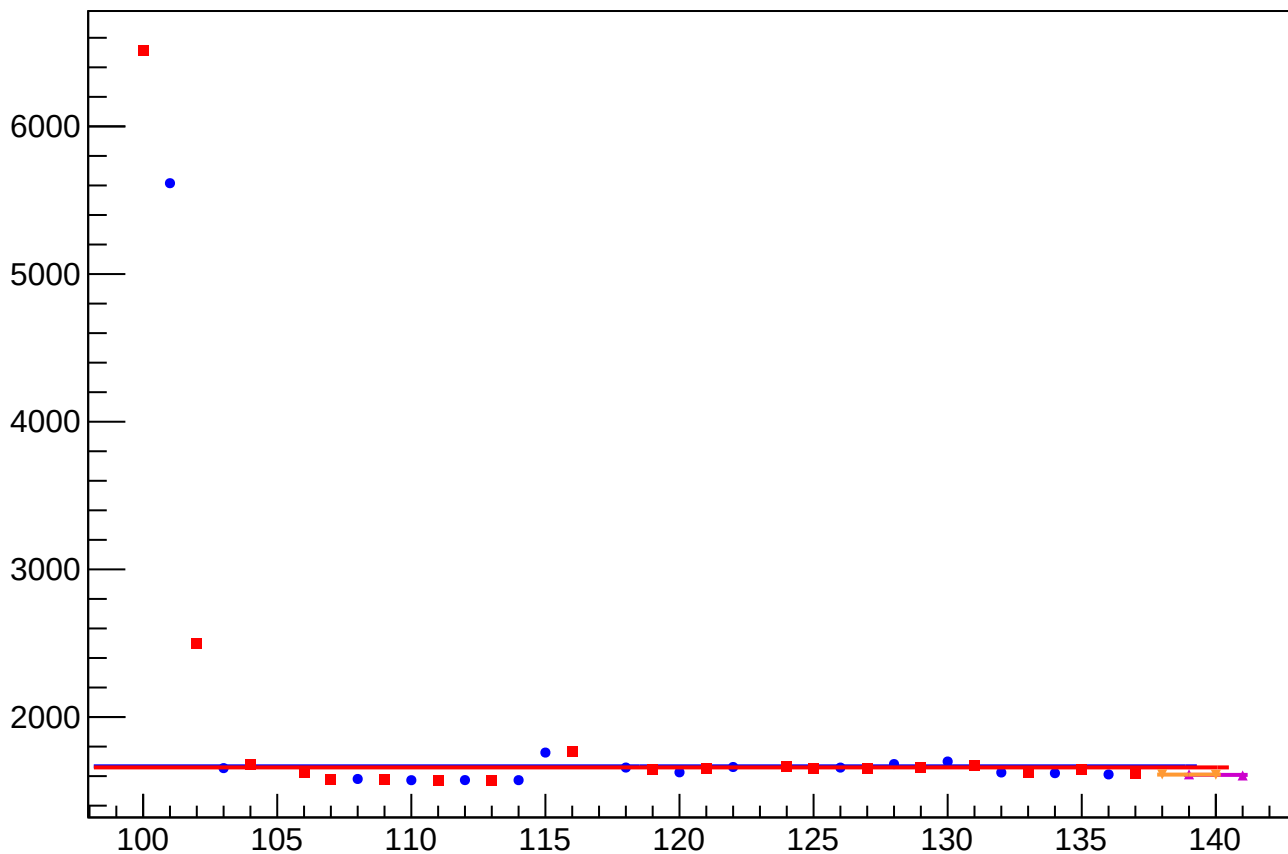
Left In: -4362.199 $\pm$ 1222.203 χ^2 /NDF:0.2/1

+ sign 2313.881 $\pm$ 566.591 χ^2 /NDF: 15.0/17

All: -333.180 $\pm$ 395.076 χ^2 /NDF: 70.1/38

- sign -2838.131 $\pm$ 551.173 χ^2 /NDF: 12.7/20

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400 ± 0.448 χ^2/NDF : 662914.5/15

Left Out: 1610.335 ± 0.894 χ^2/NDF : 1.4/1

Right Out: 1659.004 ± 0.437 χ^2/NDF : 193223.5/18

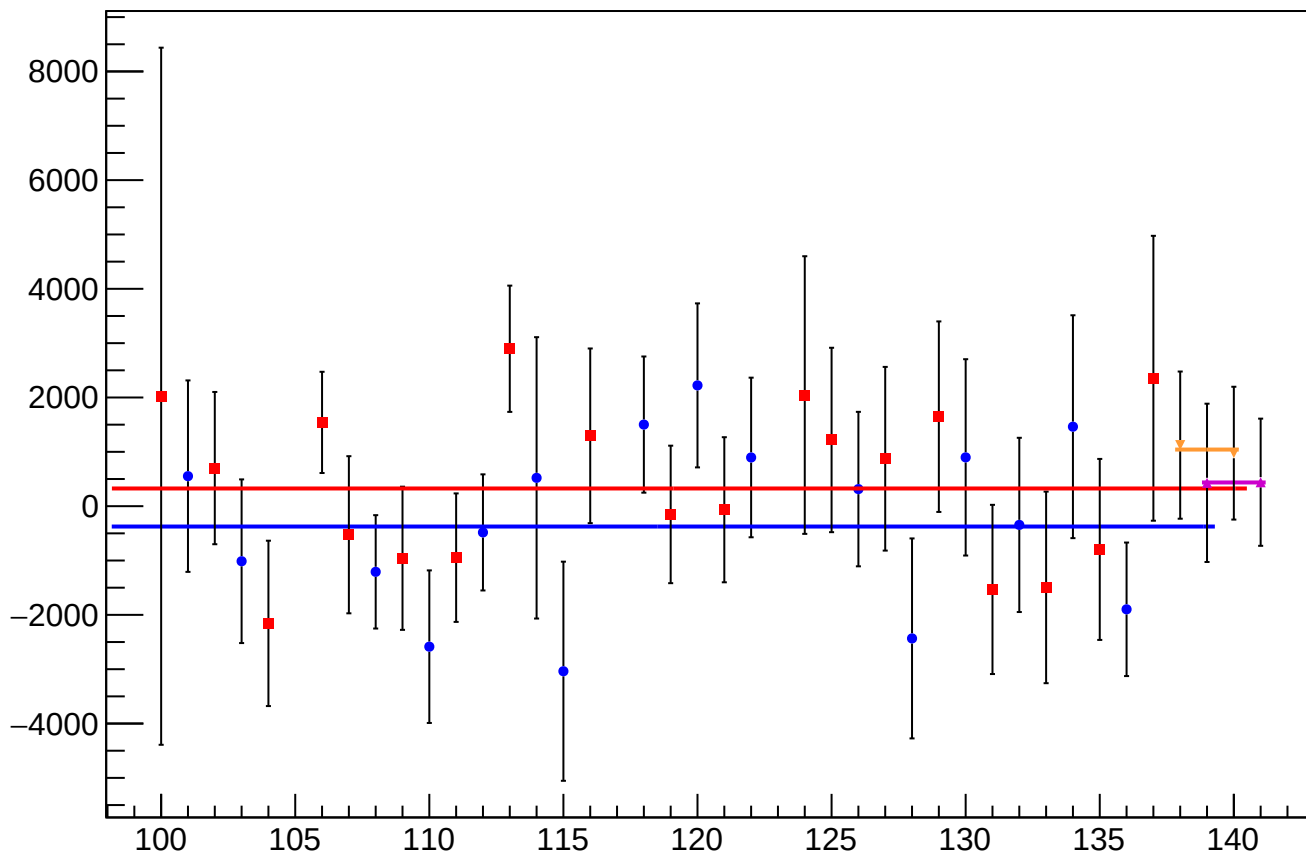
Left In: 1608.256 ± 0.864 χ^2/NDF : 19.7/1

+ sign 1655.131 ± 0.401 χ^2/NDF : 666060.9/17

All: 1651.818 ± 0.279 χ^2/NDF : 862184.0/38

- sign 1648.684 ± 0.390 χ^2/NDF : 195990.1/20

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

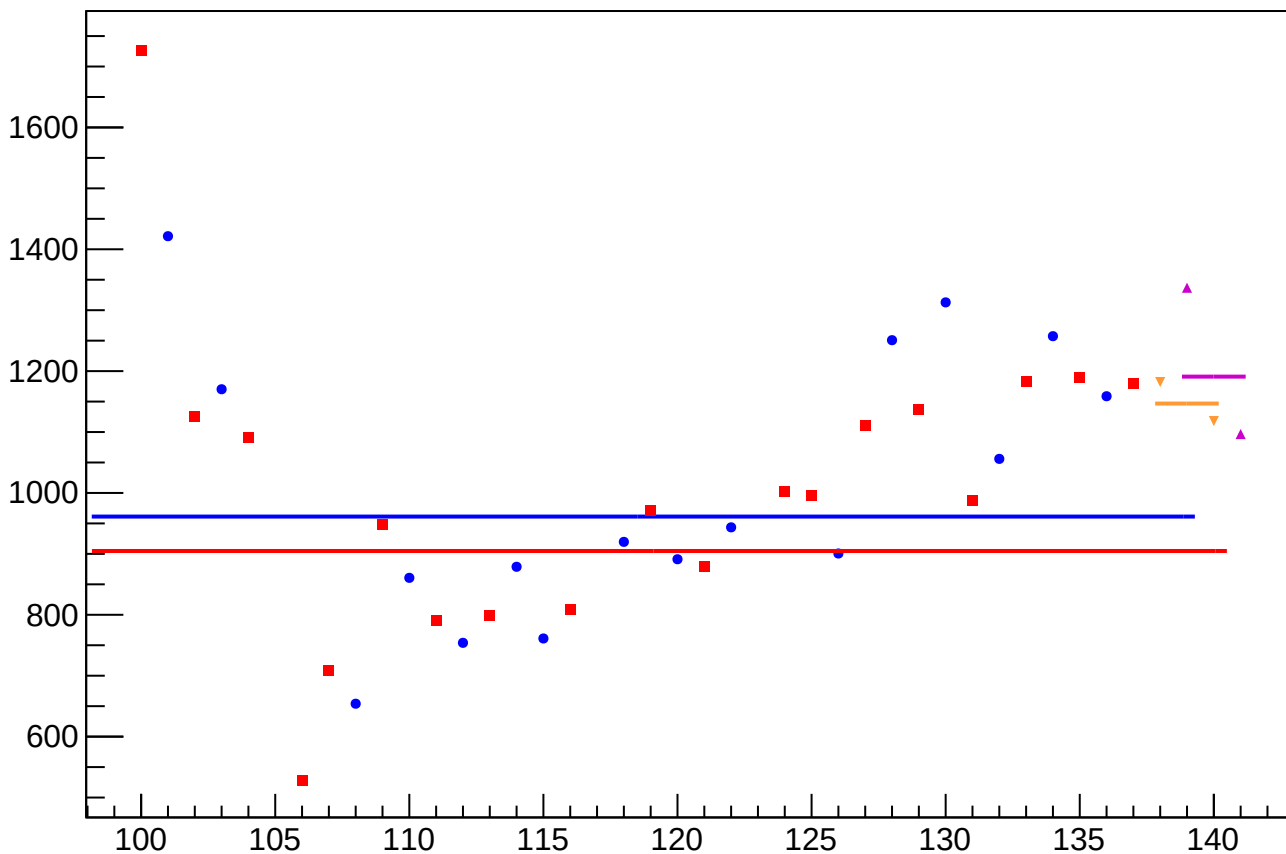
Left In: 436.274+/-912.264 χ^2/NDF : 0.0/1

+ sign -174.521+/-340.971 χ^2/NDF : 17.8/17

All: 99.343+/-232.987 χ^2/NDF : 36.5/38

- sign 339.203+/-319.102 χ^2/NDF : 17.4/20

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF : 691883.4/15

Left Out: 1146.734+/-0.642 χ^2/NDF : 2469.5/1

Right Out: 904.734+/-0.241 χ^2/NDF : 736482.2/18

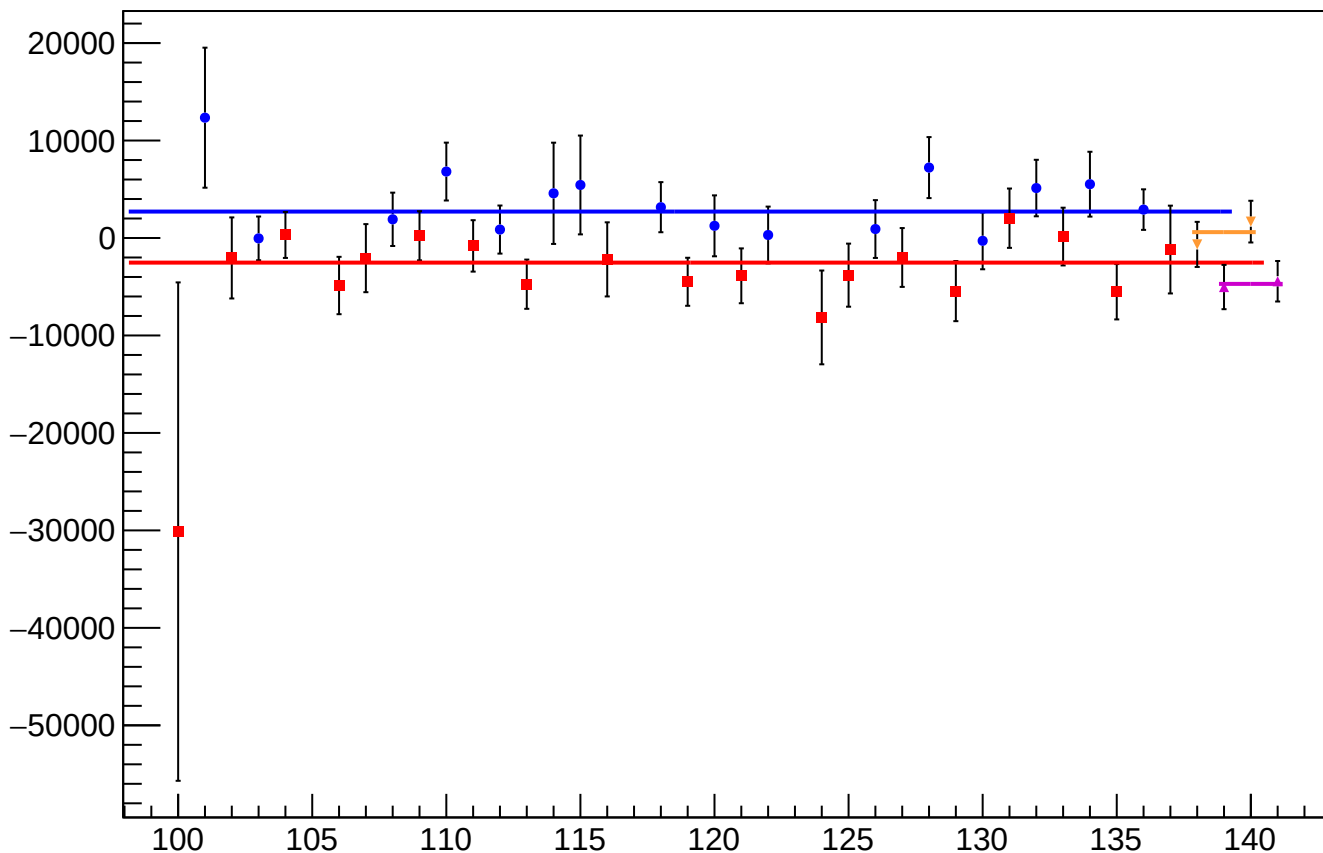
Left In: 1190.969+/-0.645 χ^2/NDF : 33048.6/1

+ sign 987.437+/-0.241 χ^2/NDF : 766145.2/17

All: 962.018+/-0.165 χ^2/NDF : 1729330.3/38

- sign 939.756+/-0.226 χ^2/NDF : 942335.5/20

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394 $\pm$ 735.088 χ^2 /NDF: 12.1/15

Left Out: 602.431 $\pm$ 1570.724 χ^2 /NDF: 0.6/1

Right Out: -2525.536 $\pm$ 706.449 χ^2 /NDF: 13.2/18

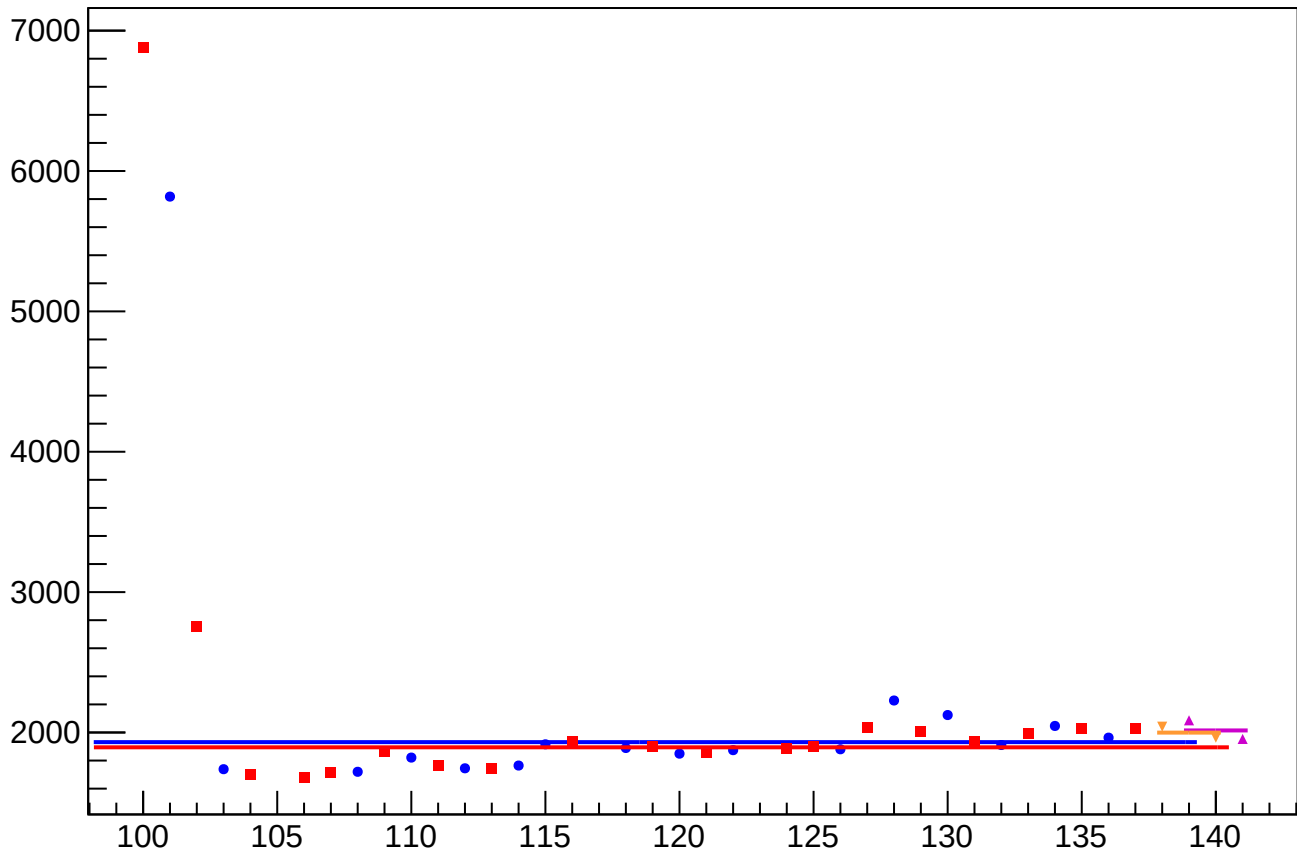
Left In: -4708.931 $\pm$ 1533.186 χ^2 /NDF: 0.0/1

+ sign 2332.482 $\pm$ 665.786 χ^2 /NDF: 14.2/17

All: -384.568 $\pm$ 461.999 χ^2 /NDF: 61.2/38

- sign -2907.912 $\pm$ 641.614 χ^2 /NDF: 15.0/20

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF : 661227.1/15

Left Out: 1999.137+/-1.111 χ^2/NDF :1232.5/1

Right Out: 1894.349+/-0.500 χ^2/NDF : 220541.1/18

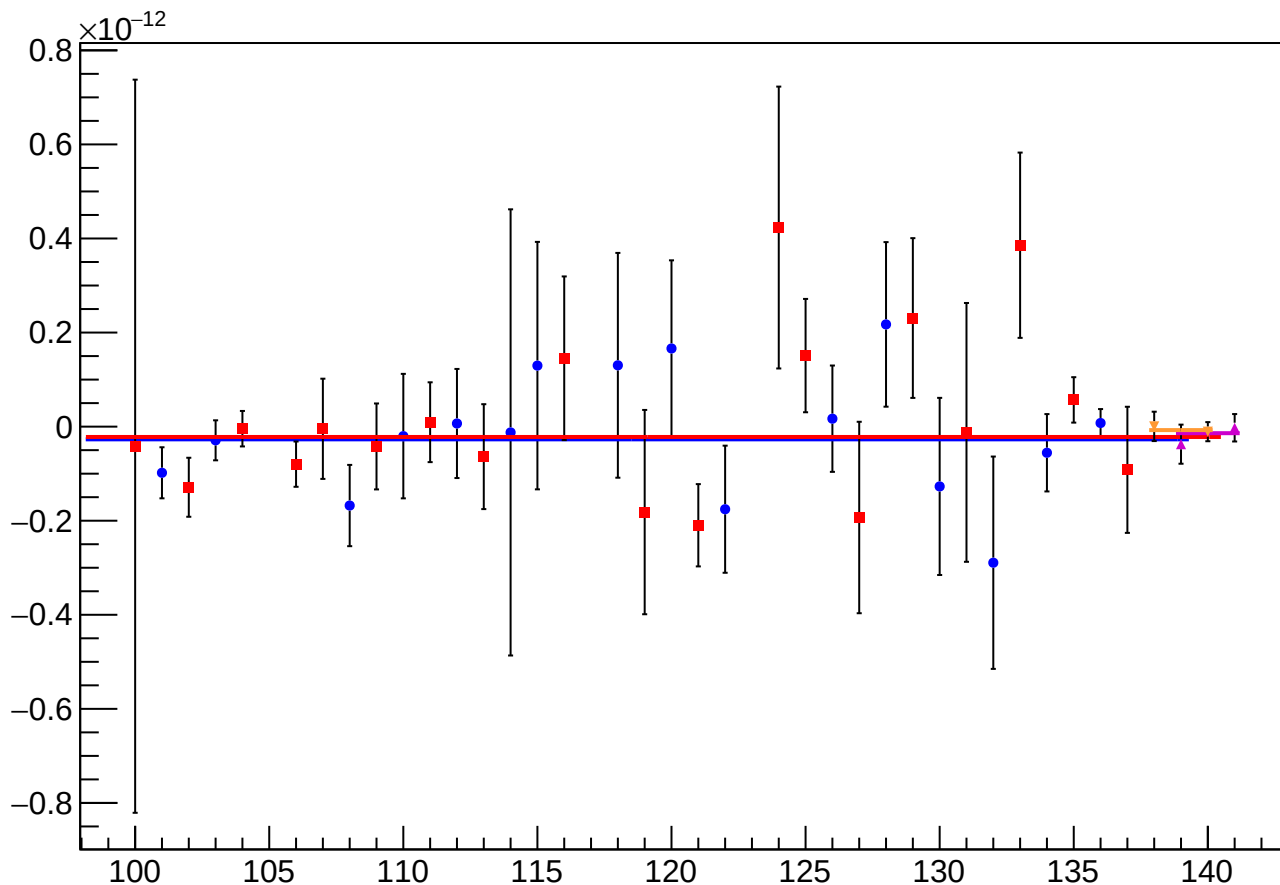
Left In: 2014.598+/-1.084 χ^2/NDF :3711.7/1

+ sign 1943.447+/-0.471 χ^2/NDF : 665524.2/17

All: 1928.909+/-0.327 χ^2/NDF : 901764.5/38

- sign 1915.408+/-0.454 χ^2/NDF : 234401.1/20

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

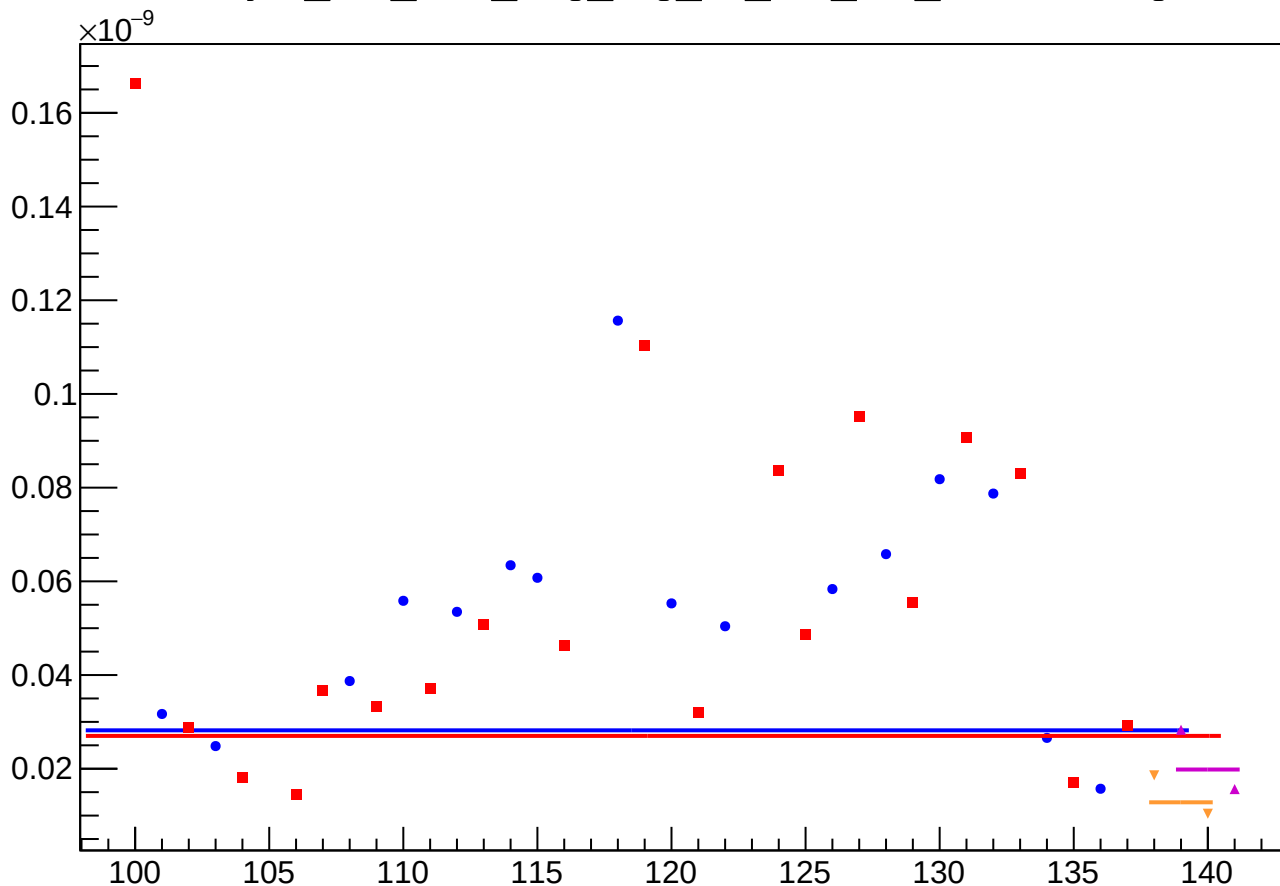
Left In: -0.000+/-0.000 χ^2/NDF : 0.5/1

+ sign -0.000+/-0.000 χ^2/NDF : 13.4/17

All: -0.000+/-0.000 χ^2/NDF : 39.4/38

- sign -0.000+/-0.000 χ^2/NDF : 25.9/20

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

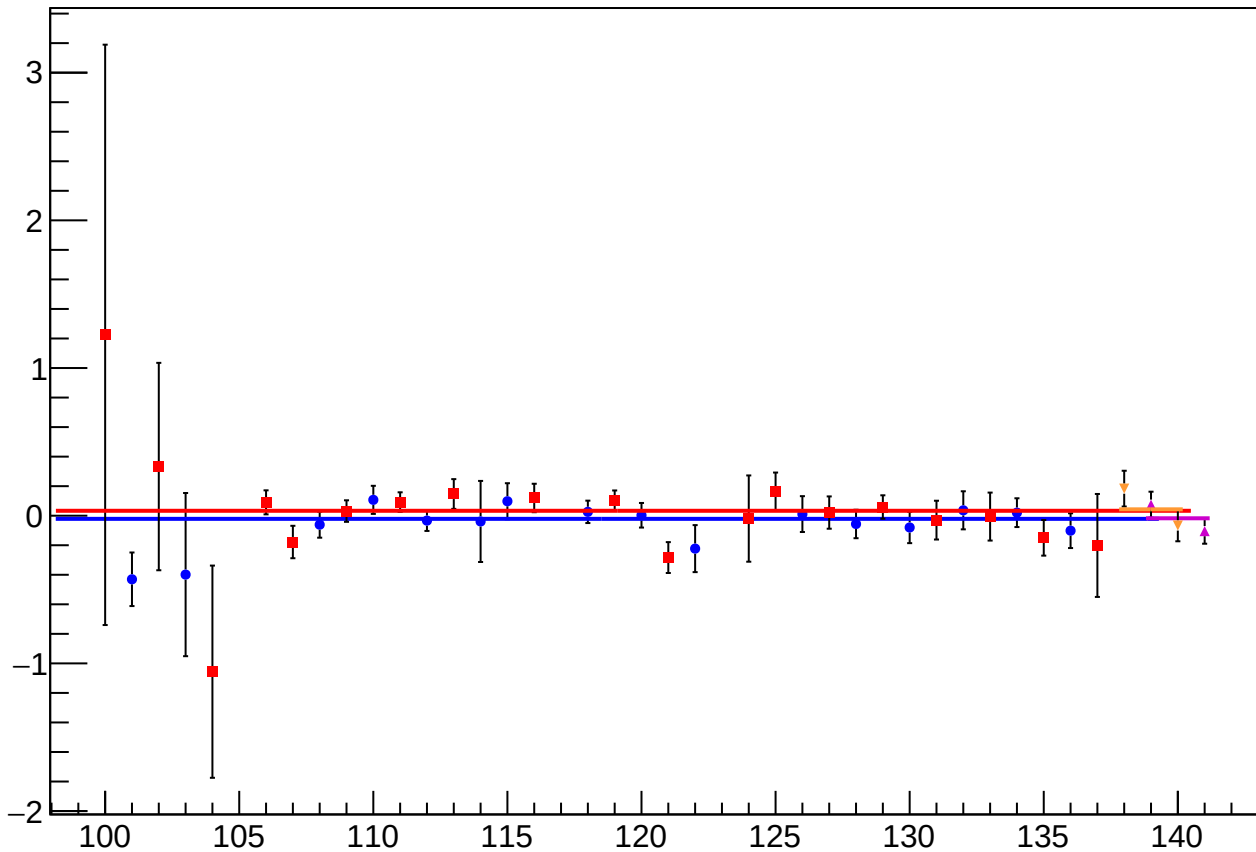
Left In: 0.000 +/- 0.000 χ^2/NDF : 124426.6/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 2305642.3/17

All: 0.000 +/- 0.000 χ^2/NDF : 4201799.2/38

- sign 0.000 +/- 0.000 χ^2/NDF : 1789636.8/20

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.027 χ^2/NDF : 12.0/15

Left Out: 0.043 ± 0.080 χ^2/NDF : 2.4/1

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

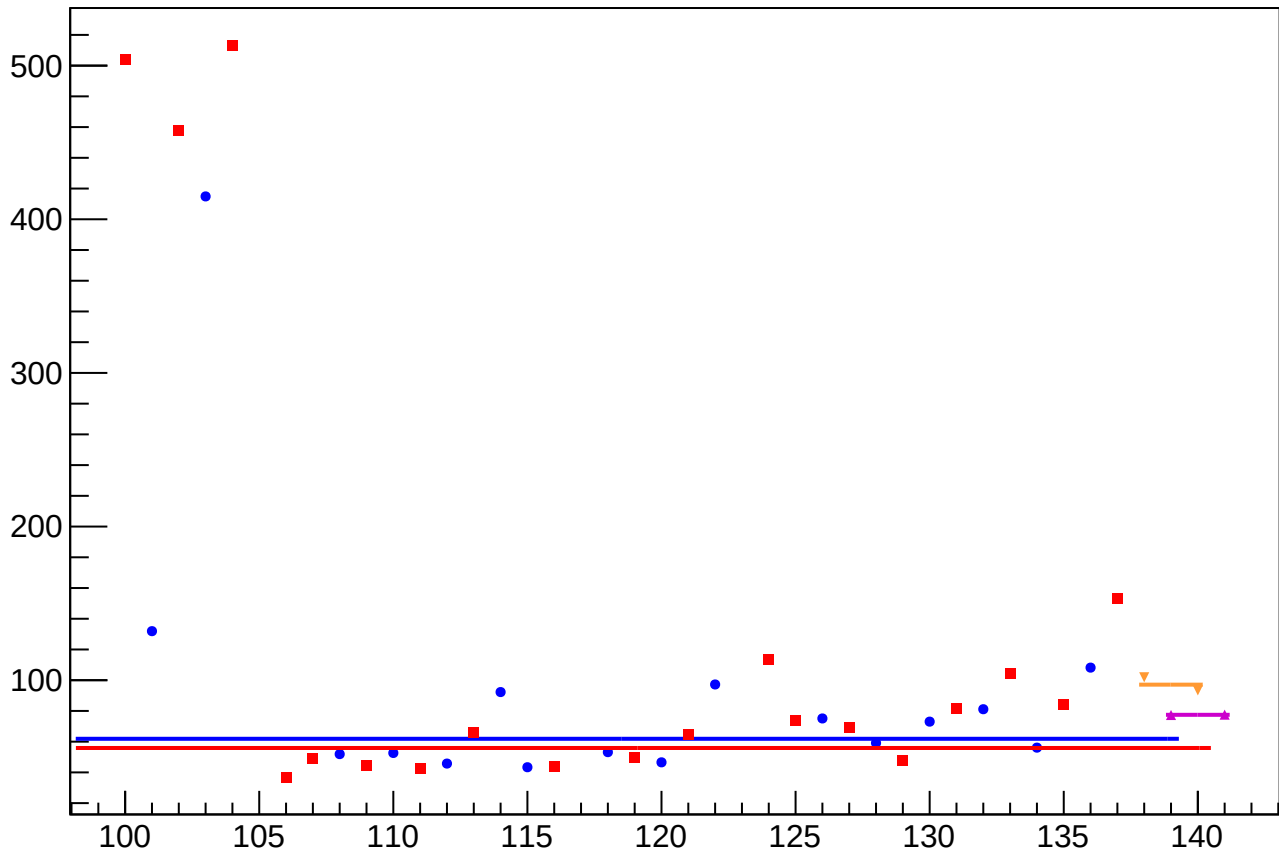
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.008 ± 0.017 χ^2/NDF : 43.5/38

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876 $\pm$ 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

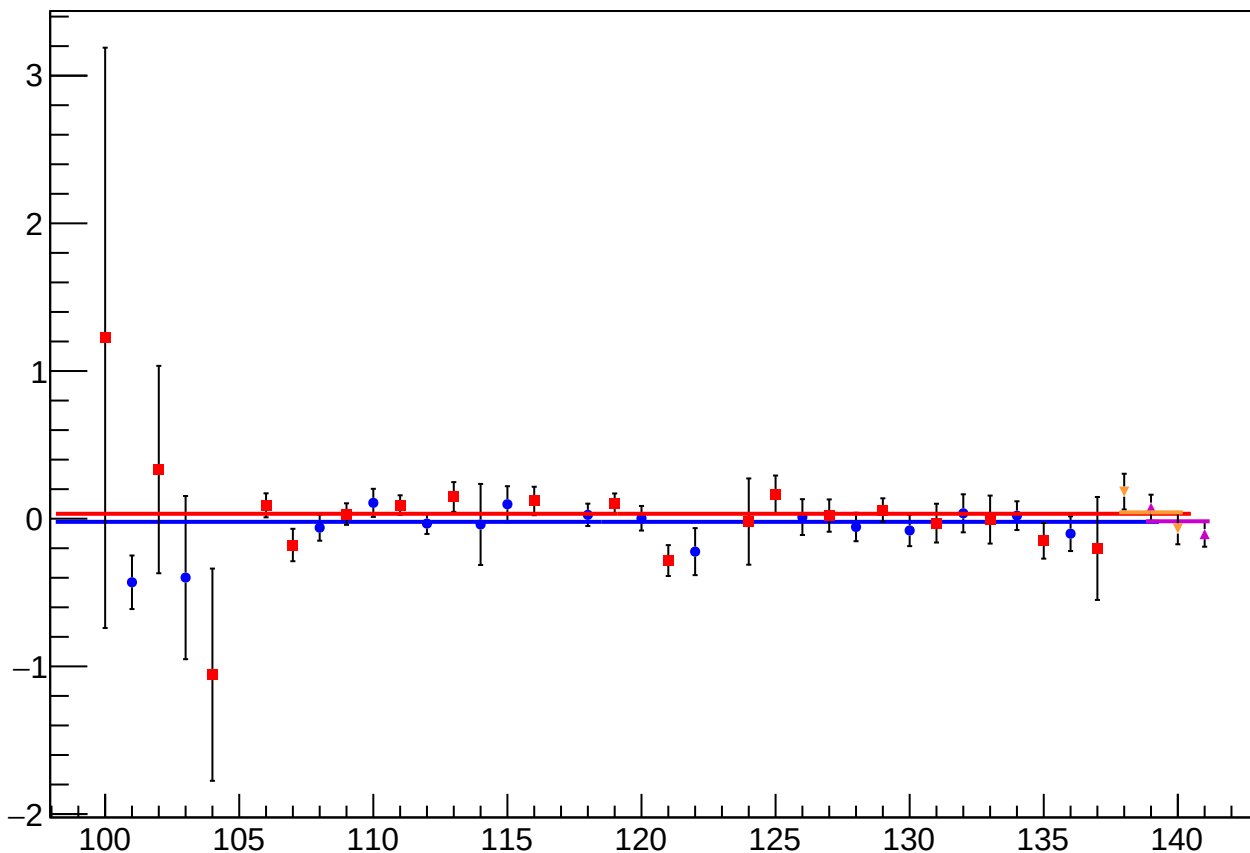
Left In: 77.474 $\pm$ 0.043 χ^2 /NDF: 6.9/1

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291777.0/17

All: 61.801 $\pm$ 0.012 χ^2 /NDF: 5169770.9/38

- sign 58.885 $\pm$ 0.016 χ^2 /NDF: 2805427.4/20

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

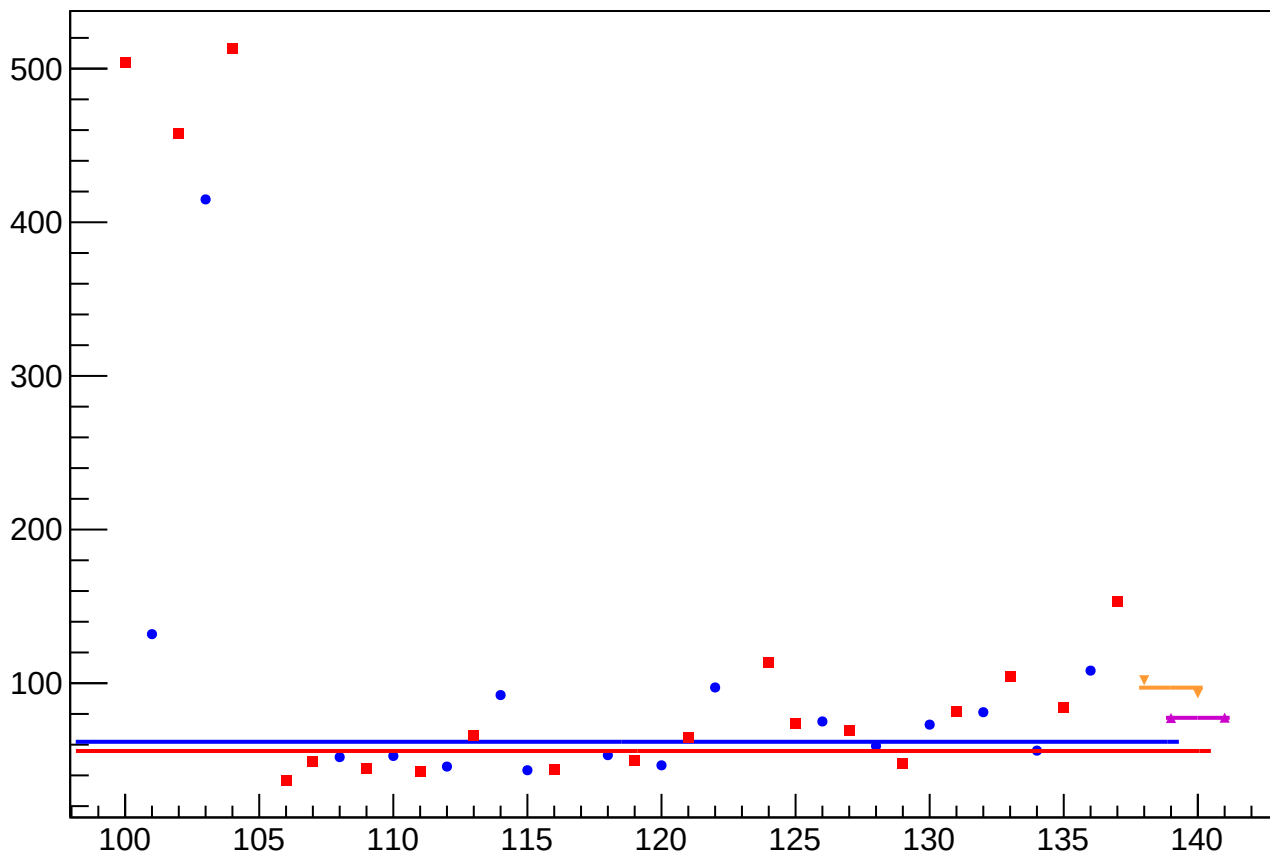
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.008 ± 0.017 χ^2/NDF : 43.5/38

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

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

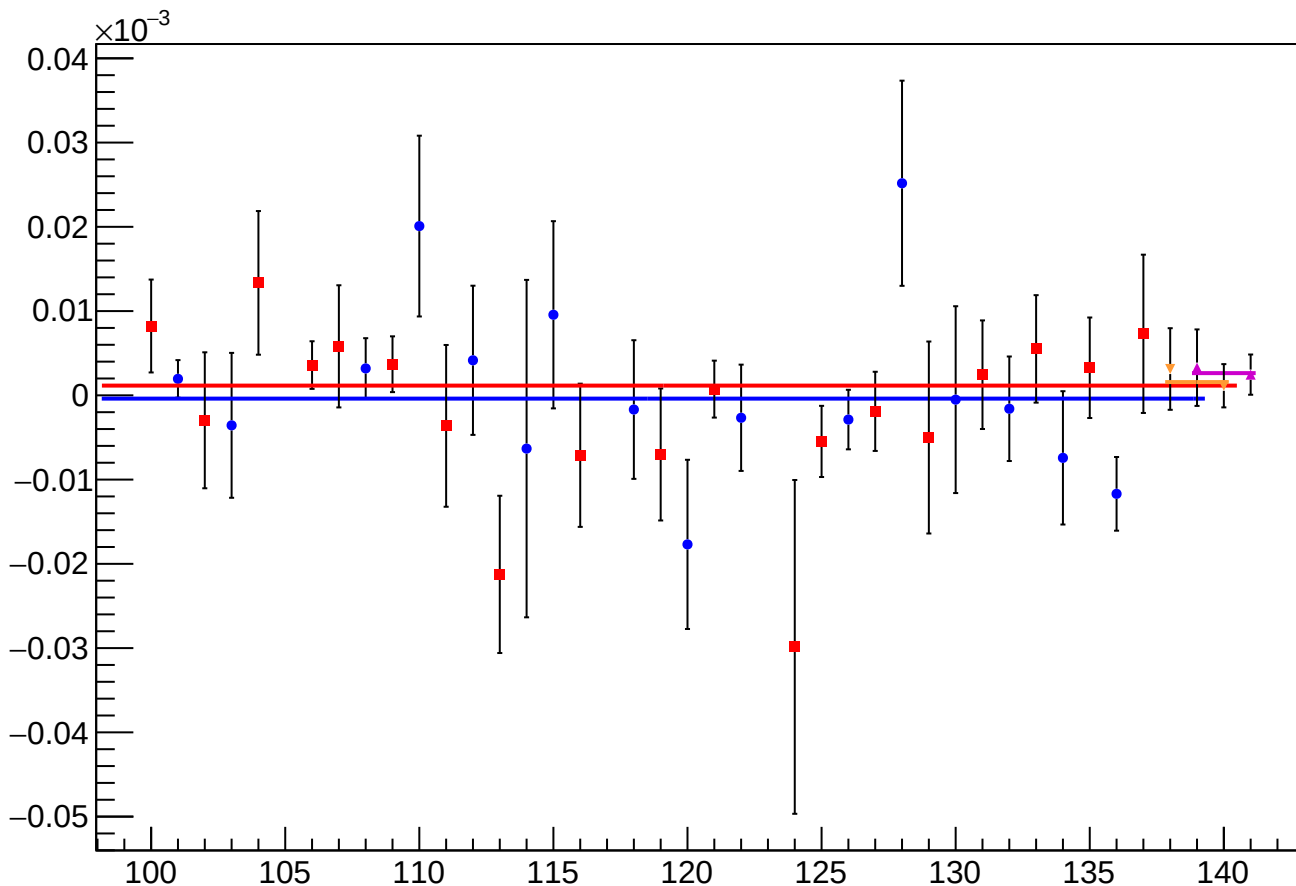
Left In: 77.474 $\pm$ 0.043 χ^2 /NDF: 6.9/1

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291777.0/17

All: 61.801 $\pm$ 0.012 χ^2 /NDF: 5169770.9/38

- sign 58.885 $\pm$ 0.016 χ^2 /NDF: 2805427.4/20

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

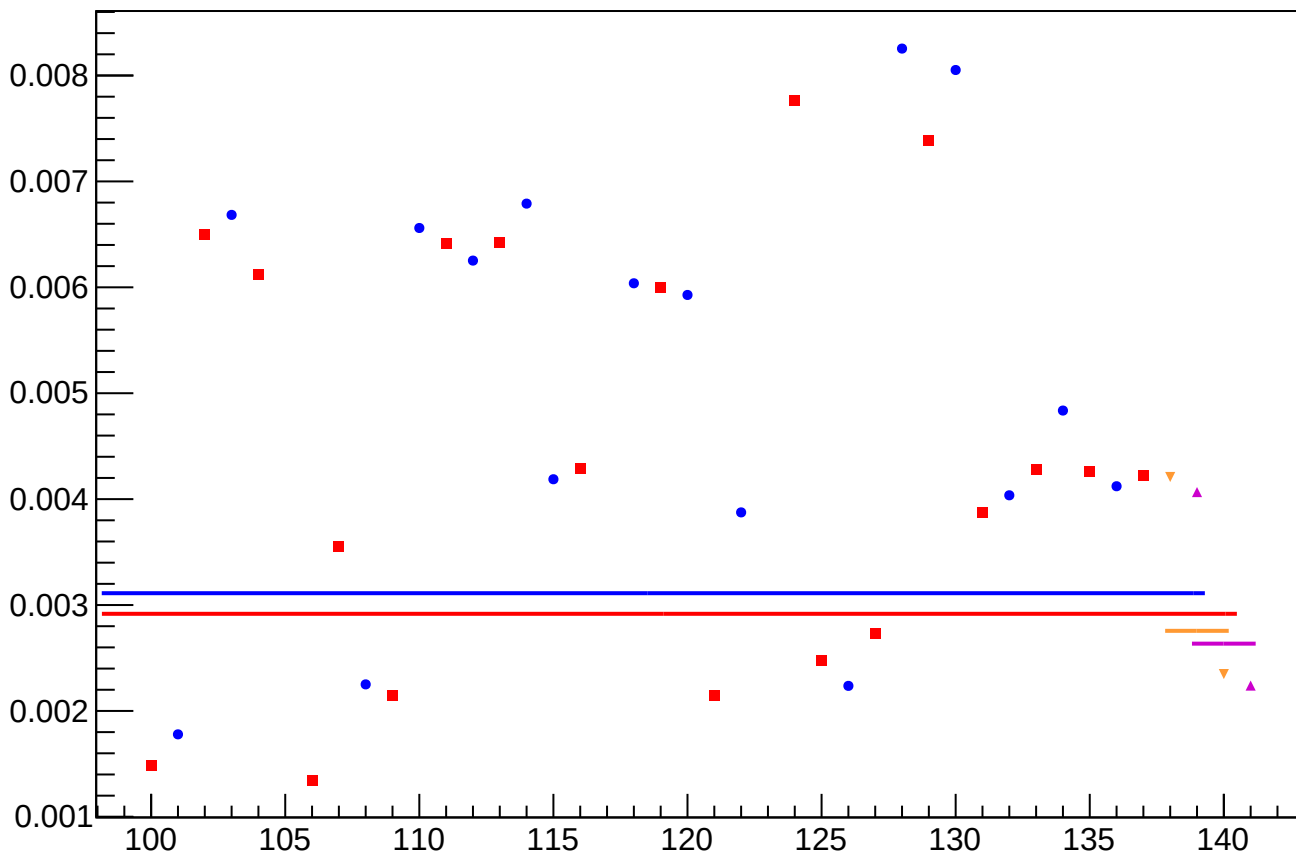
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/20

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 3283915.1/15

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 230514.2/1

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 3295506.1/18

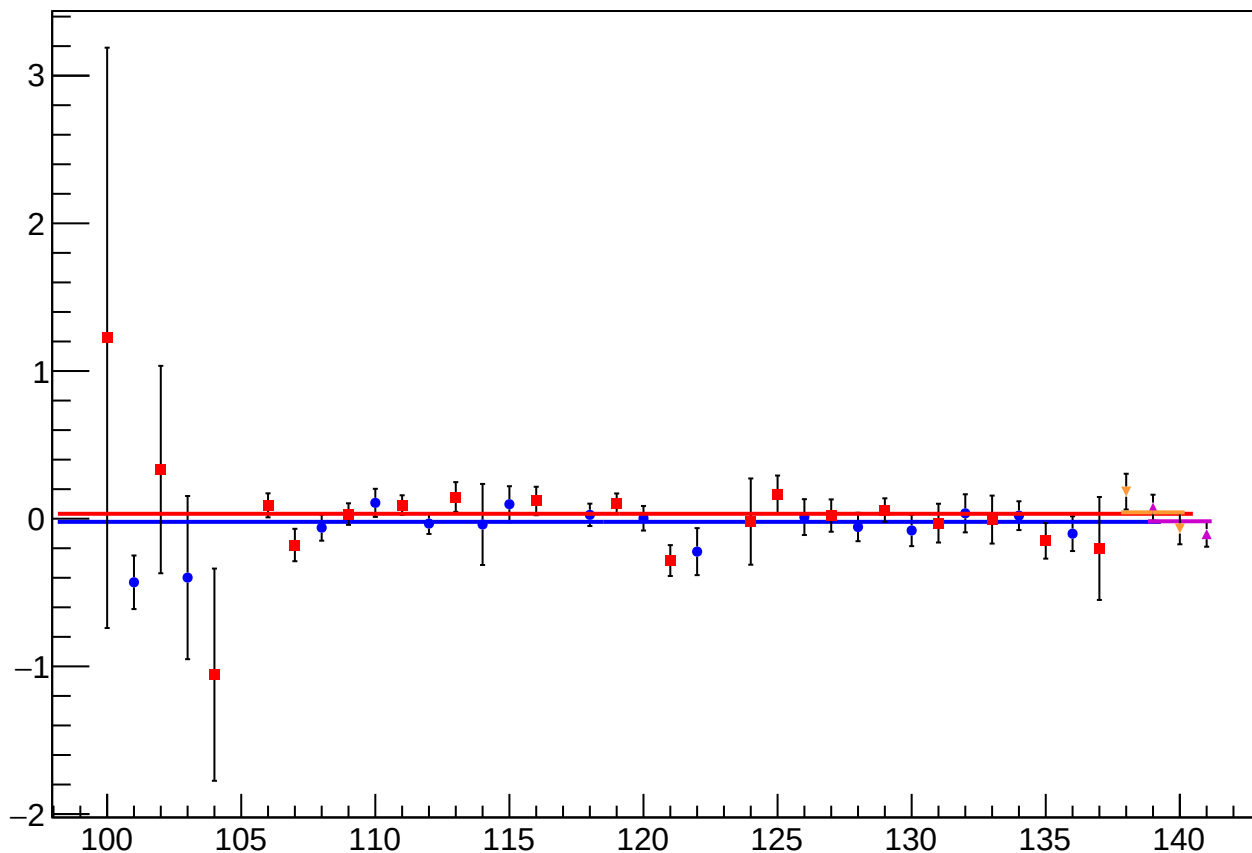
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 253783.9/1

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 3550930.0/17

All: 0.003 $\pm$ 0.000 χ^2/NDF : 7151736.8/38

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 3575597.8/20

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

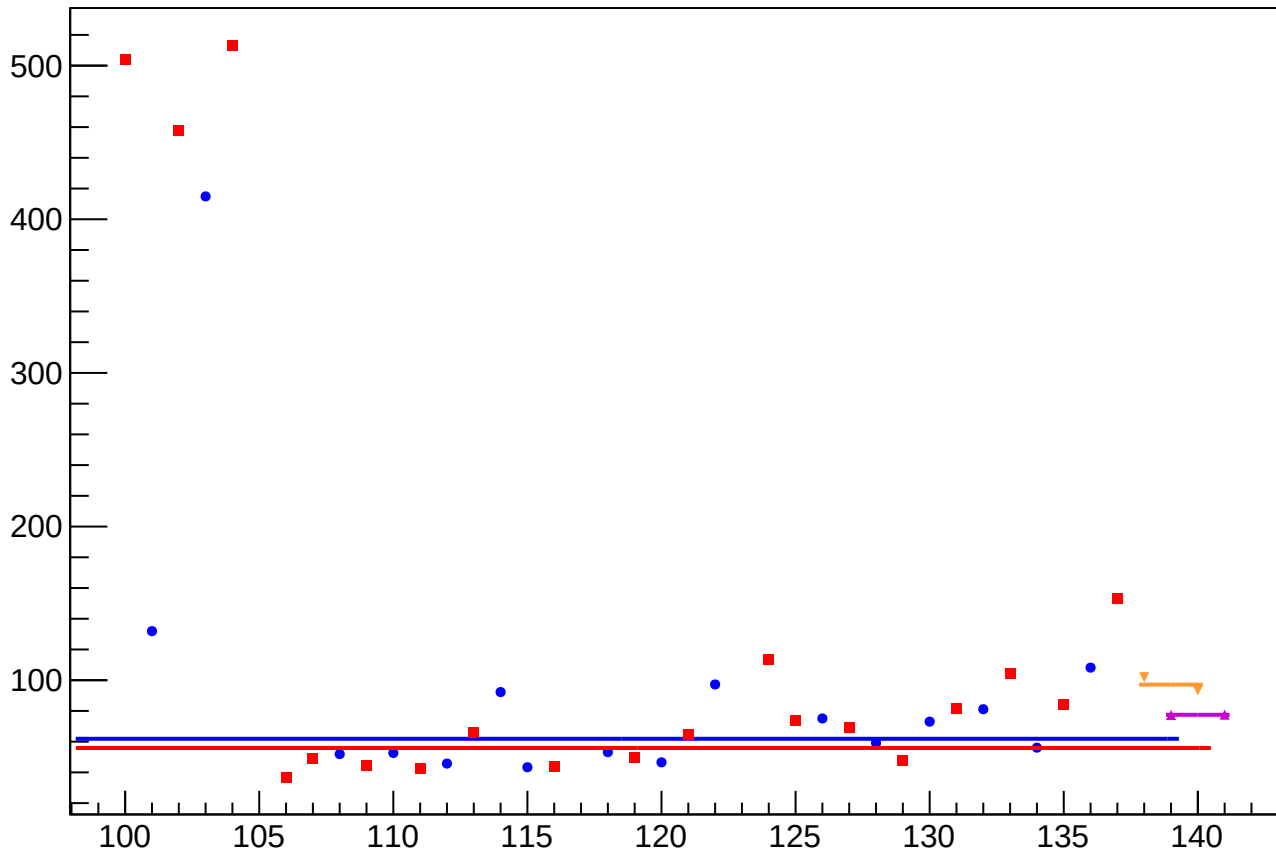
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.008 ± 0.017 χ^2/NDF : 43.5/38

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

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

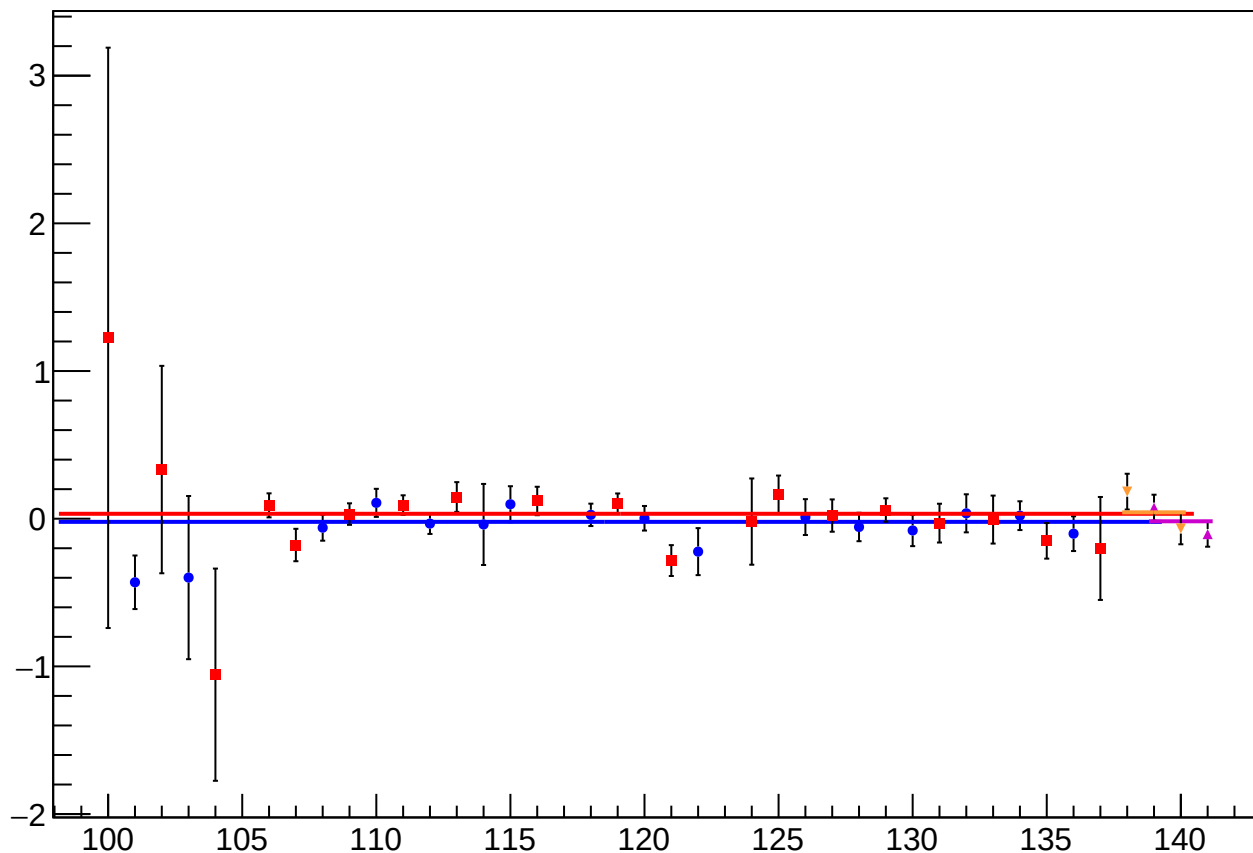
Left In: 77.475 $\pm$ 0.043 χ^2 /NDF: 6.8/1

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291744.0/17

All: 61.800 $\pm$ 0.012 χ^2 /NDF: 5169719.7/38

- sign 58.884 $\pm$ 0.016 χ^2 /NDF: 2805405.5/20

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

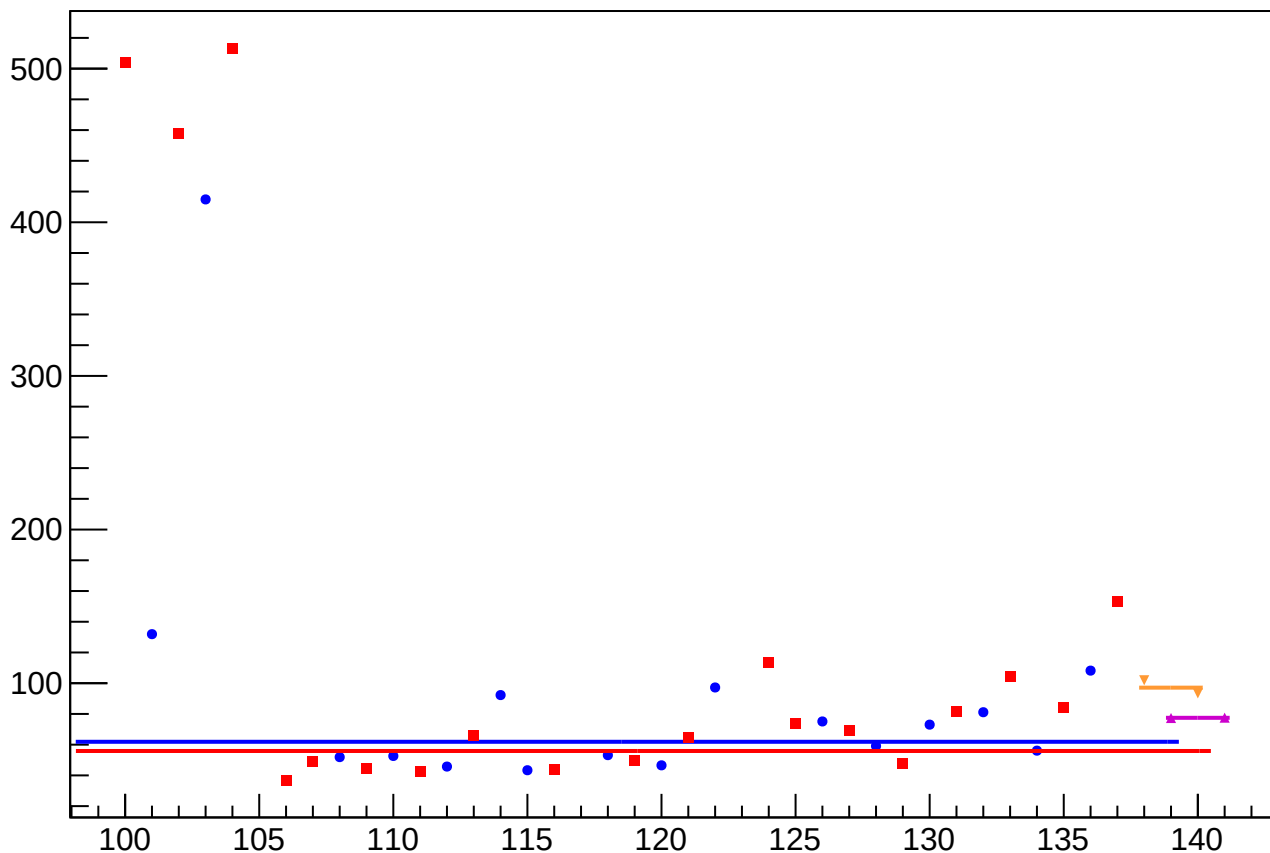
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.015 ± 0.025 χ^2/NDF : 15.0/17

All: 0.008 ± 0.017 χ^2/NDF : 43.5/38

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

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

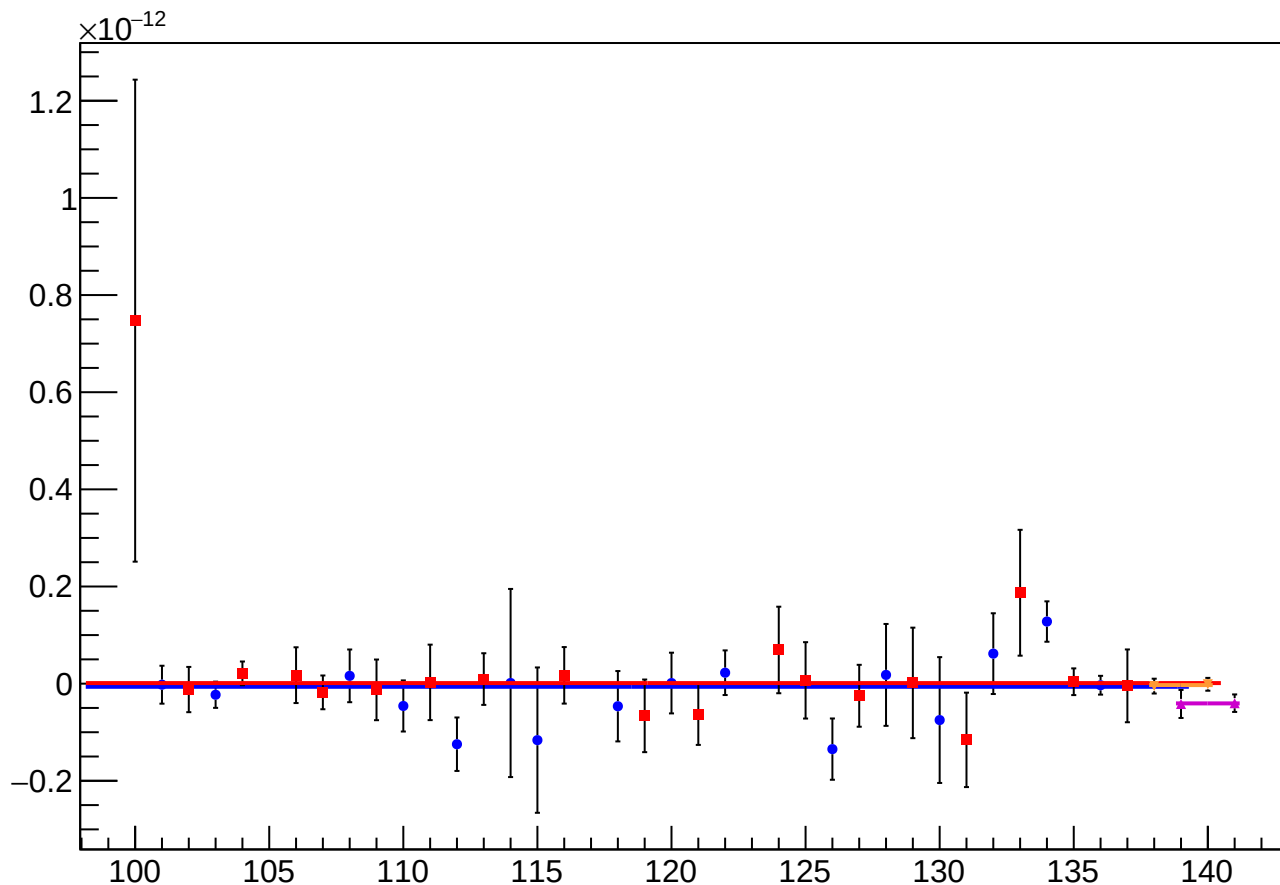
Left In: 77.475 $\pm$ 0.043 χ^2 /NDF: 6.8/1

+ sign 65.361 $\pm$ 0.018 χ^2 /NDF: 2291744.0/17

All: 61.800 $\pm$ 0.012 χ^2 /NDF: 5169719.7/38

- sign 58.884 $\pm$ 0.016 χ^2 /NDF: 2805405.5/20

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

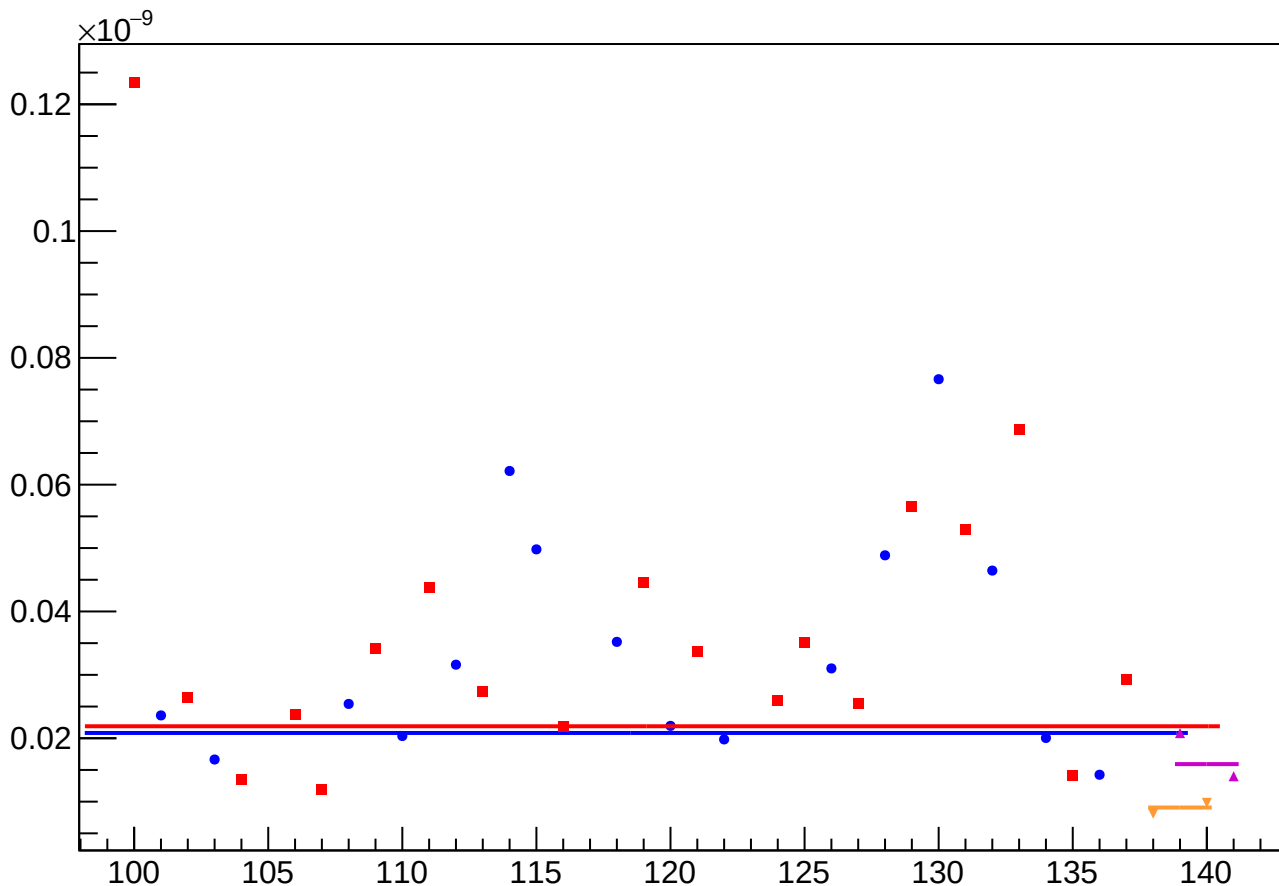
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.7/17

All: -0.000 ± 0.000 χ^2/NDF : 37.8/38

- sign -0.000 ± 0.000 χ^2/NDF : 14.4/20

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

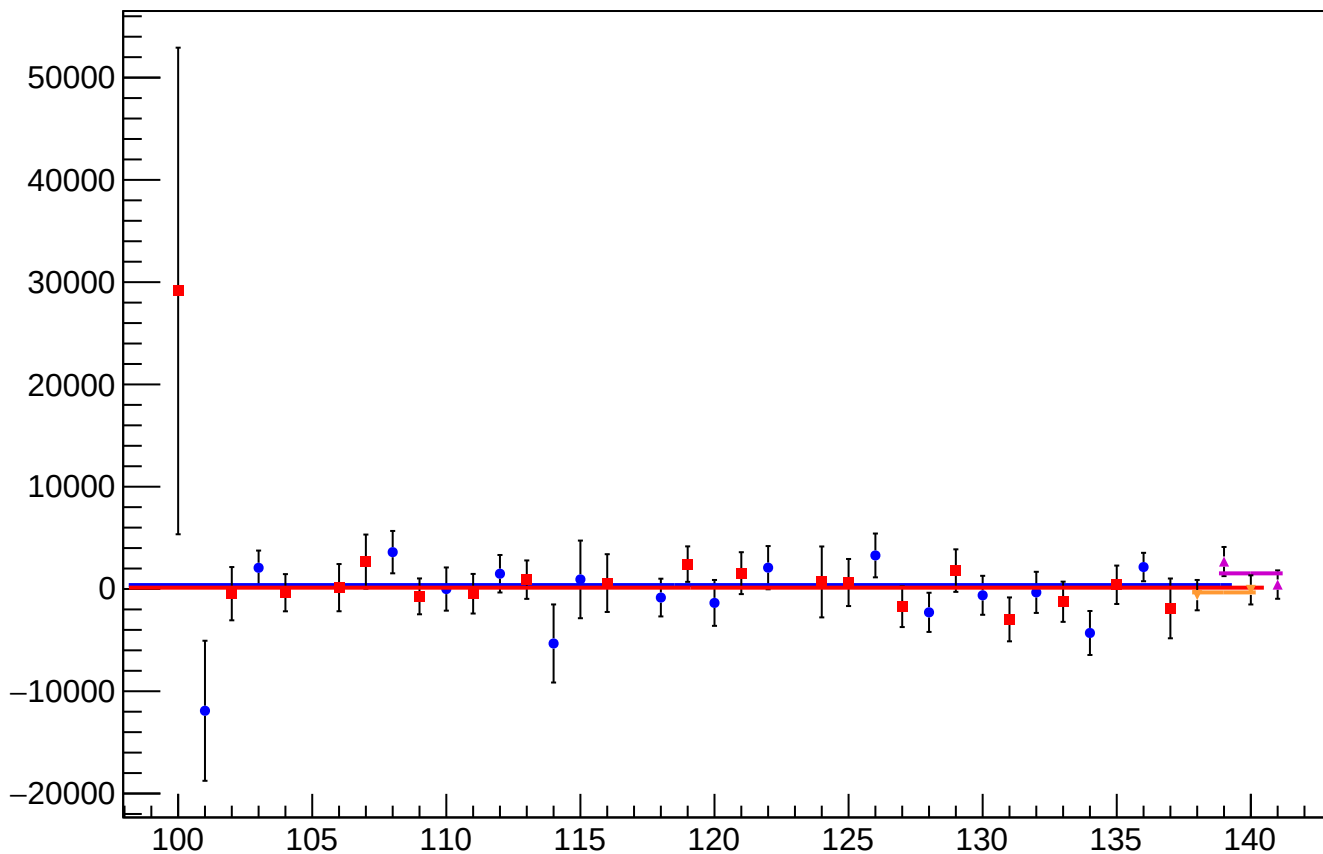
Left In: 0.000 +/- 0.000 χ^2/NDF : 80001.9/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 2617126.3/17

All: 0.000 +/- 0.000 χ^2/NDF : 5198373.2/38

- sign 0.000 +/- 0.000 χ^2/NDF : 2176668.6/20

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

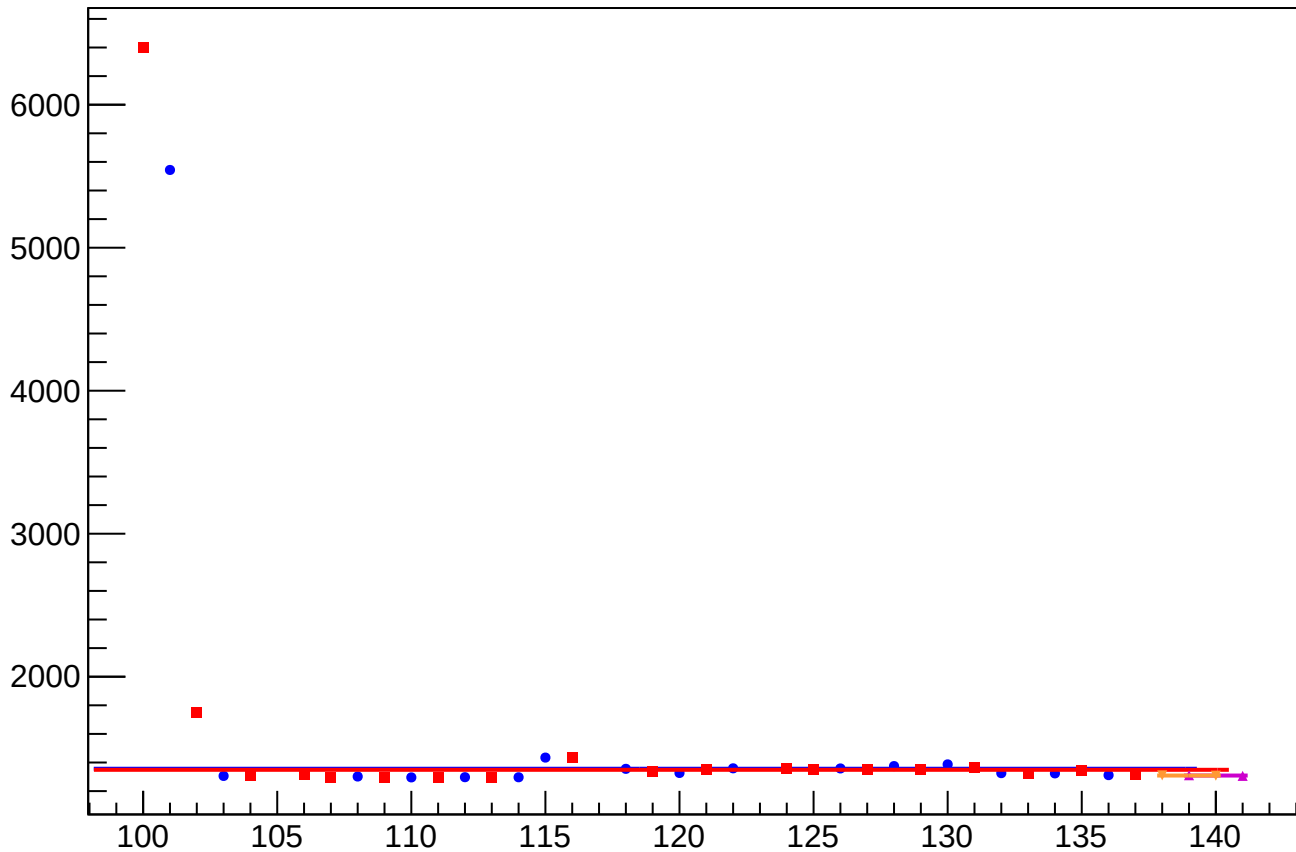
Left In: 1526.990 $\pm$ 994.584 χ^2 /NDF: 1.3/1

+ sign 236.024 $\pm$ 462.367 χ^2 /NDF: 22.0/17

All: 326.421 $\pm$ 321.532 χ^2 /NDF: 34.9/38

- sign 411.072 $\pm$ 447.431 χ^2 /NDF: 12.8/20

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760266.3/15

Left Out: 1308.908 $\pm$ 0.726 χ^2 /NDF: 2.4/1

Right Out: 1348.975 $\pm$ 0.354 χ^2 /NDF: 147265.6/18

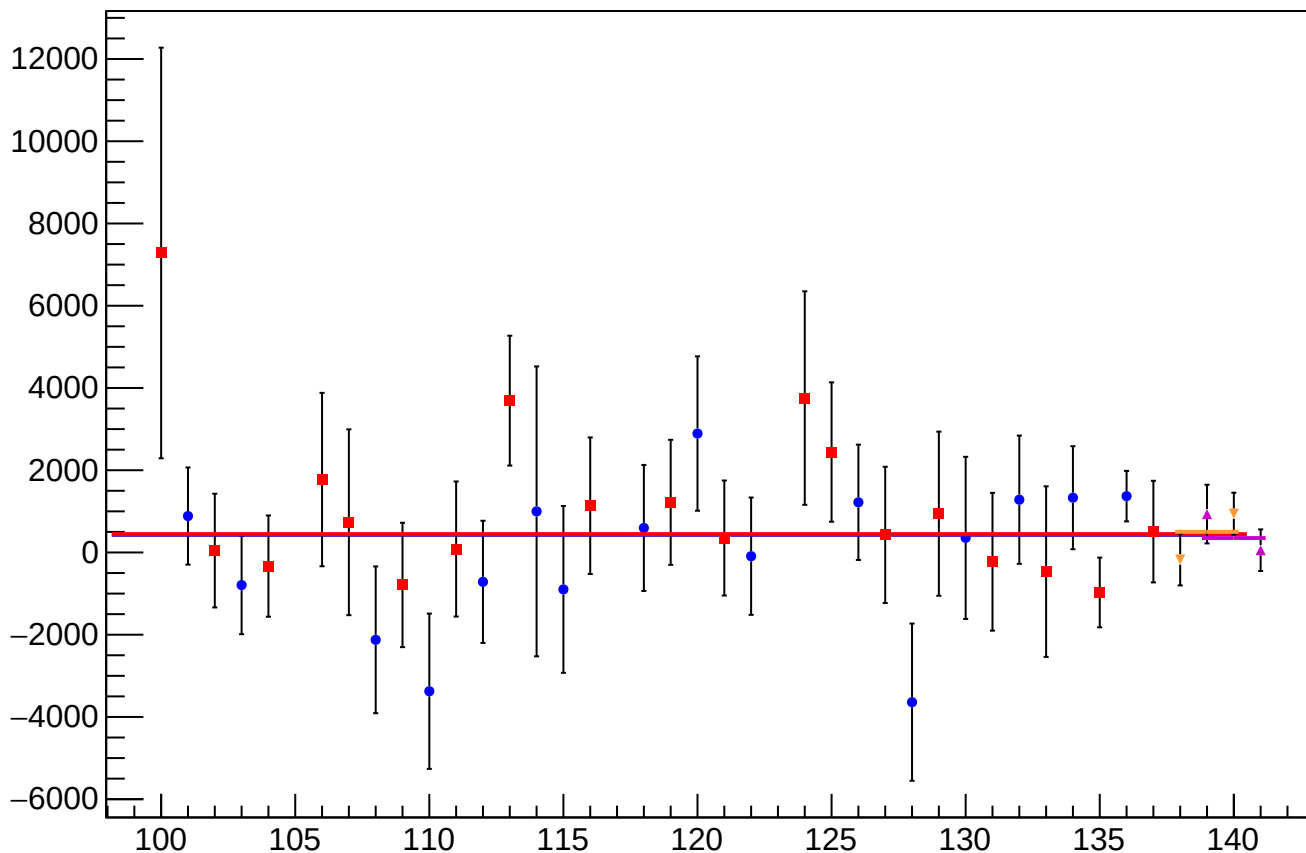
Left In: 1308.853 $\pm$ 0.703 χ^2 /NDF: 10.0/1

+ sign 1346.775 $\pm$ 0.327 χ^2 /NDF: 763677.3/17

All: 1343.718 $\pm$ 0.227 χ^2 /NDF: 913718.2/38

- sign 1340.855 $\pm$ 0.316 χ^2 /NDF: 149871.6/20

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF : 18.2/15

Left Out: 501.997+/-396.391 χ^2/NDF : 1.9/1

Right Out: 444.555+/-355.594 χ^2/NDF : 14.4/18

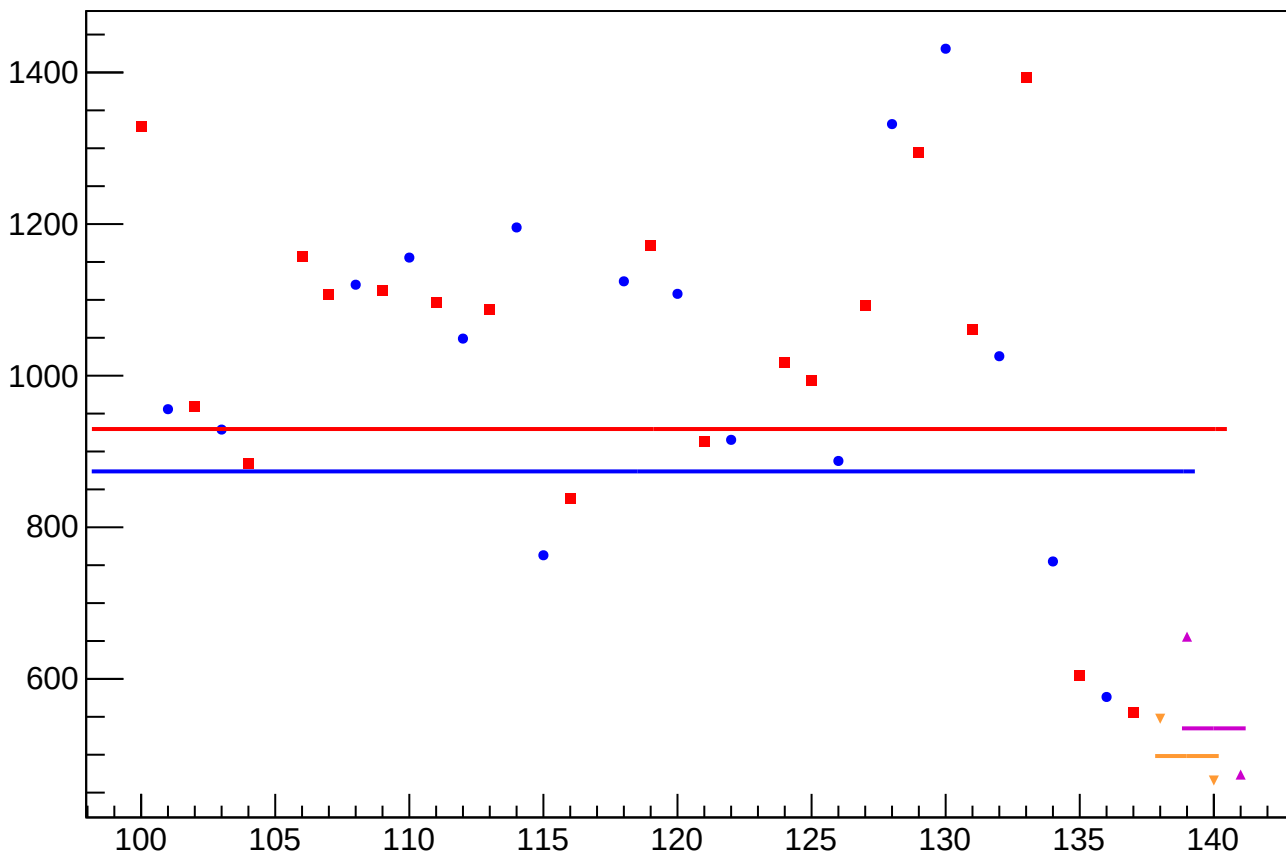
Left In: 349.563+/-412.767 χ^2/NDF : 1.0/1

+ sign 460.567+/-257.395 χ^2/NDF : 20.1/17

All: 433.615+/-186.108 χ^2/NDF : 35.6/38

- sign 404.088+/-269.408 χ^2/NDF : 15.4/20

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

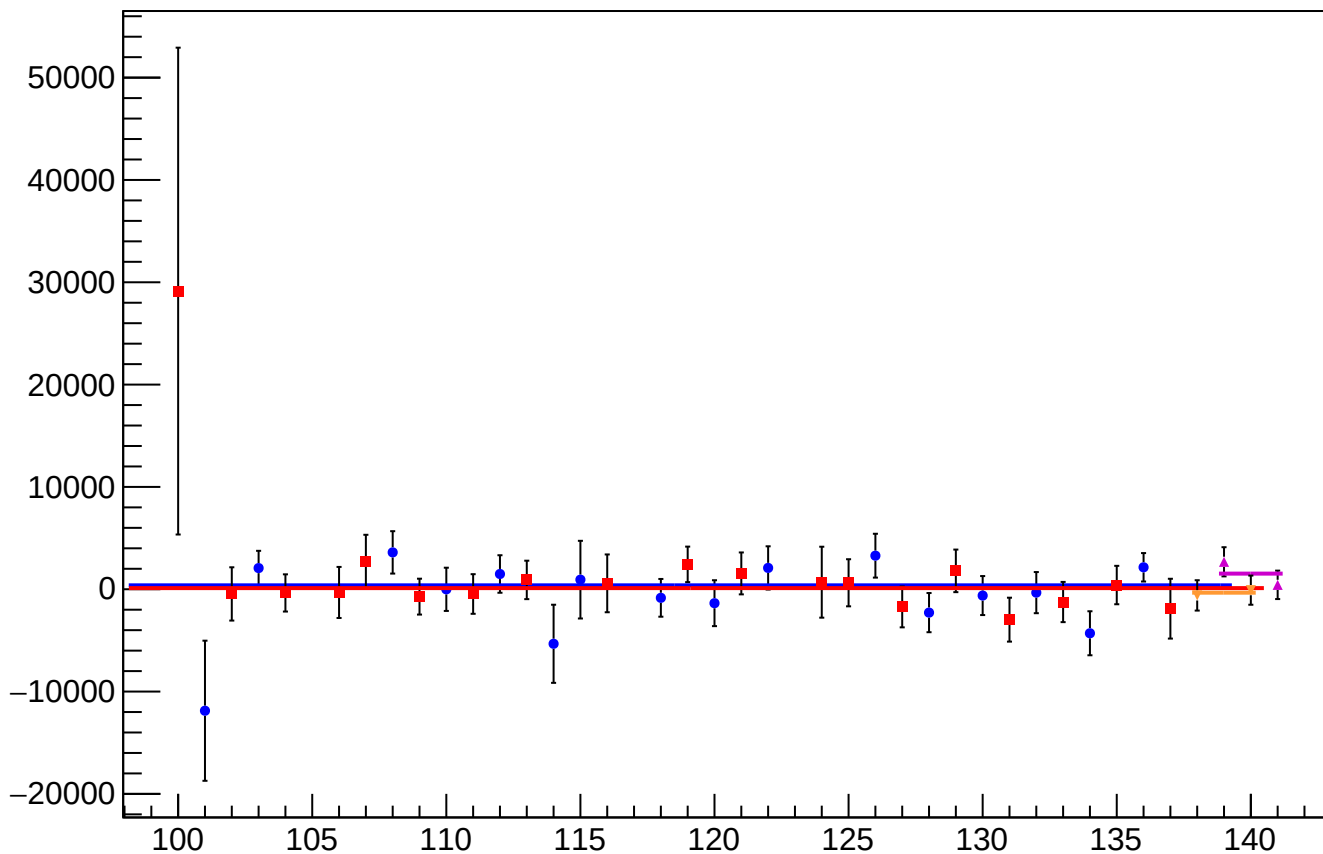
Left In: 534.769 $\pm$ 0.292 χ^2 /NDF: 86570.0/1

+ sign 715.412 $\pm$ 0.182 χ^2 /NDF: 2072955.9/17

All: 737.369 $\pm$ 0.132 χ^2 /NDF: 4100550.9/38

- sign 761.422 $\pm$ 0.191 χ^2 /NDF: 1997098.2/20

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

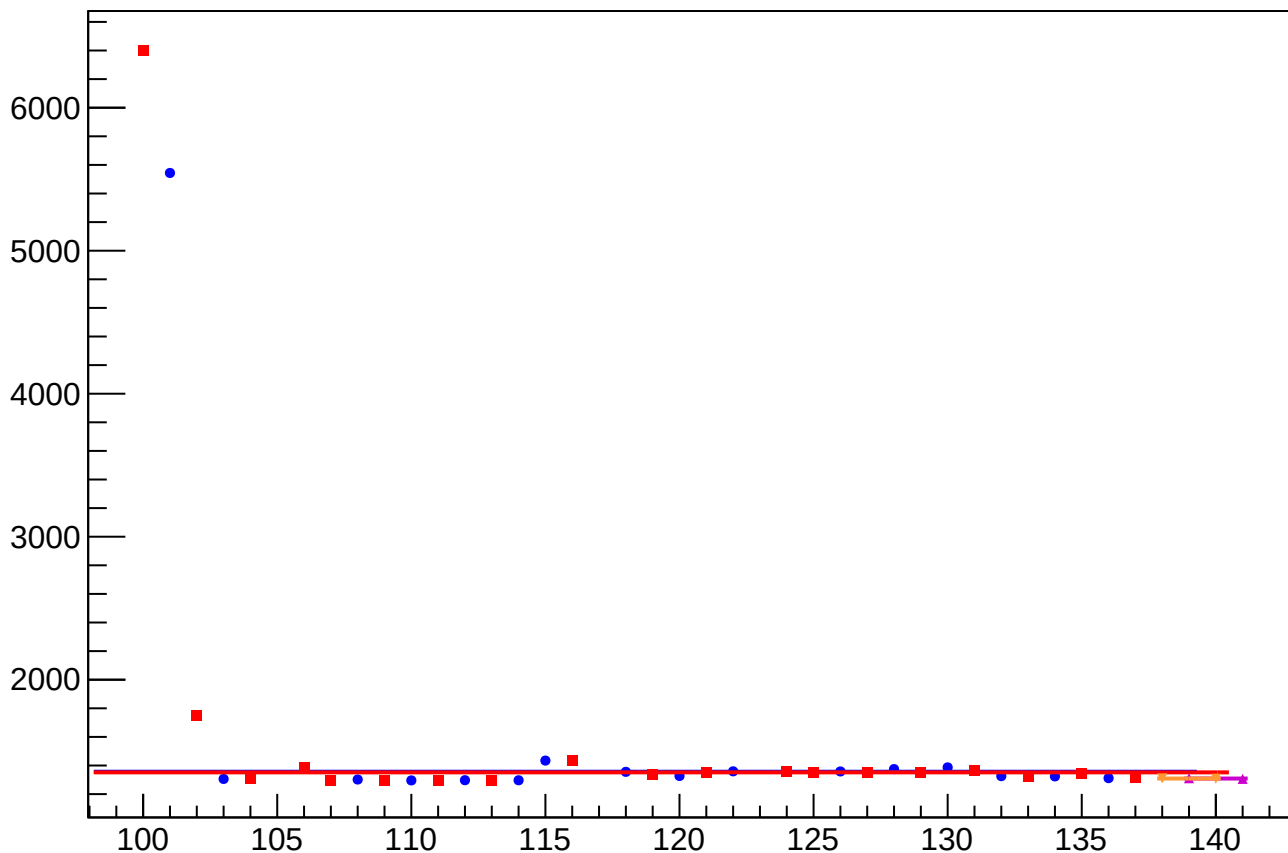
Left In: 1527.157 $\pm$ 994.584 χ^2 /NDF: 1.3/1

+ sign 236.270 $\pm$ 462.367 χ^2 /NDF: 22.0/17

All: 319.874 $\pm$ 321.983 χ^2 /NDF: 34.9/38

- sign 398.590 $\pm$ 448.647 χ^2 /NDF: 12.9/20

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1308.908 $\pm$ 0.726 χ^2 /NDF: 2.3/1

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

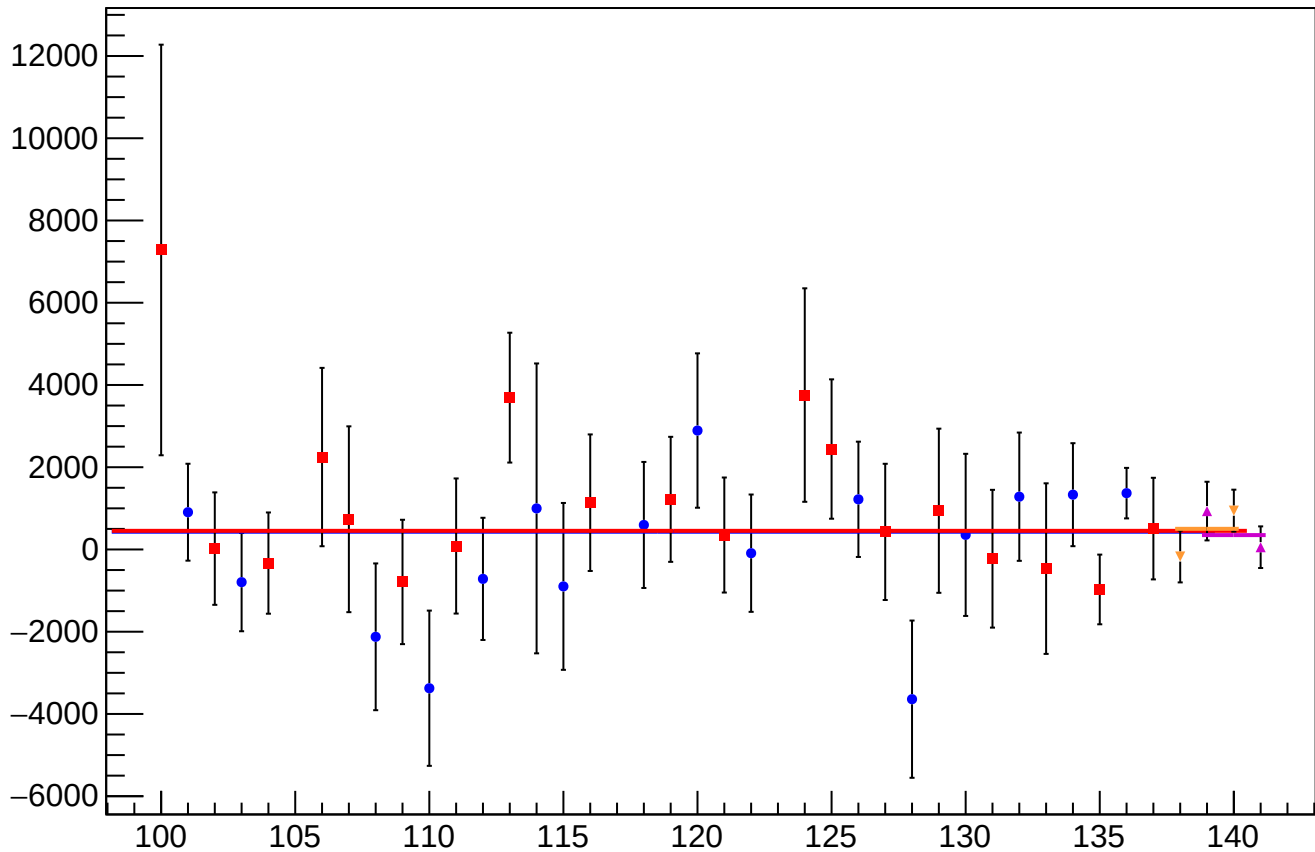
Left In: 1308.853 $\pm$ 0.703 χ^2 /NDF: 10.0/1

+ sign 1346.775 $\pm$ 0.327 χ^2 /NDF: 763676.4/17

All: 1344.978 $\pm$ 0.228 χ^2 /NDF: 914081.2/38

- sign 1343.287 $\pm$ 0.317 χ^2 /NDF: 150346.2/20

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF : 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF : 1.9/1

Right Out: 453.039+/-355.599 χ^2/NDF : 14.7/18

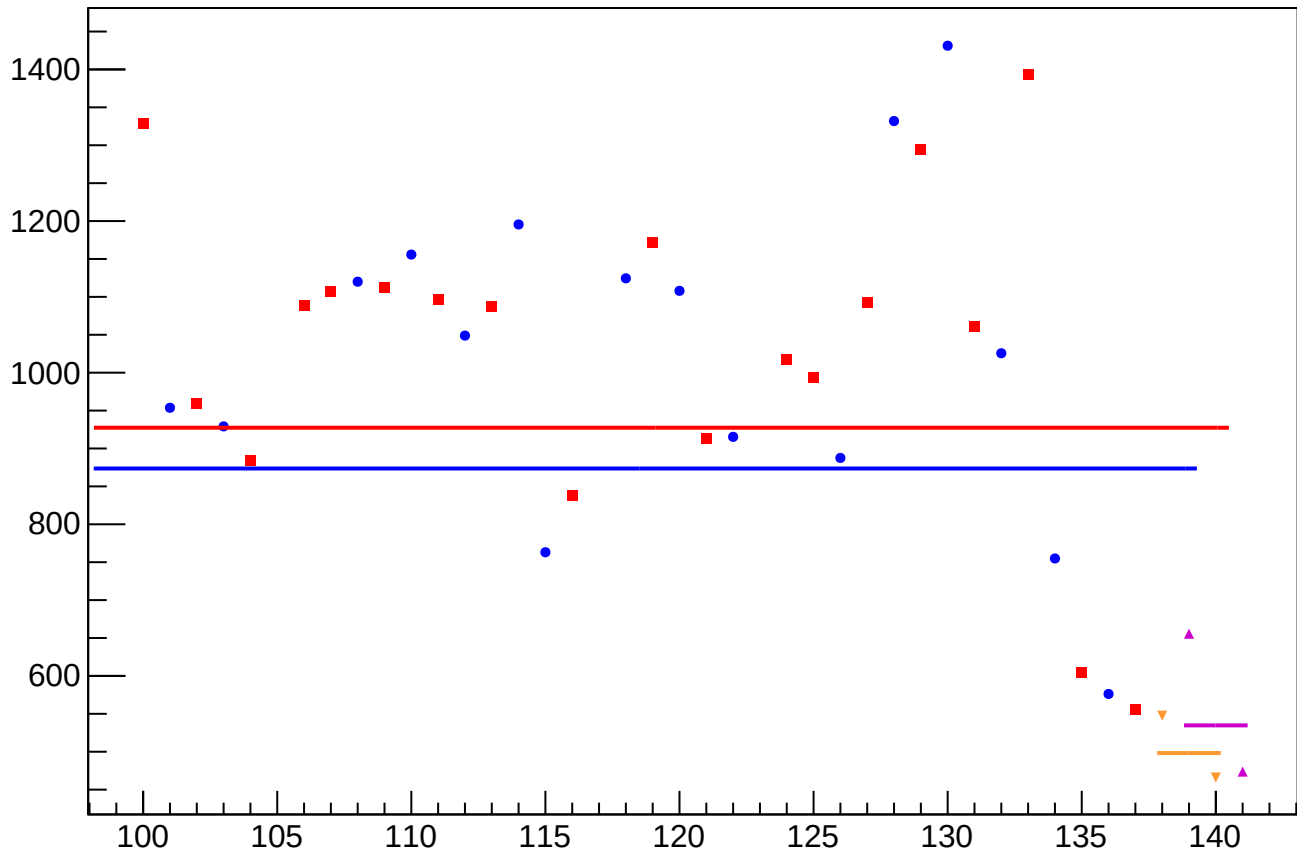
Left In: 349.563+/-412.752 χ^2/NDF : 1.0/1

+ sign 461.600+/-257.372 χ^2/NDF : 20.2/17

All: 436.480+/-186.098 χ^2/NDF : 35.9/38

- sign 408.955+/-269.406 χ^2/NDF : 15.7/20

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

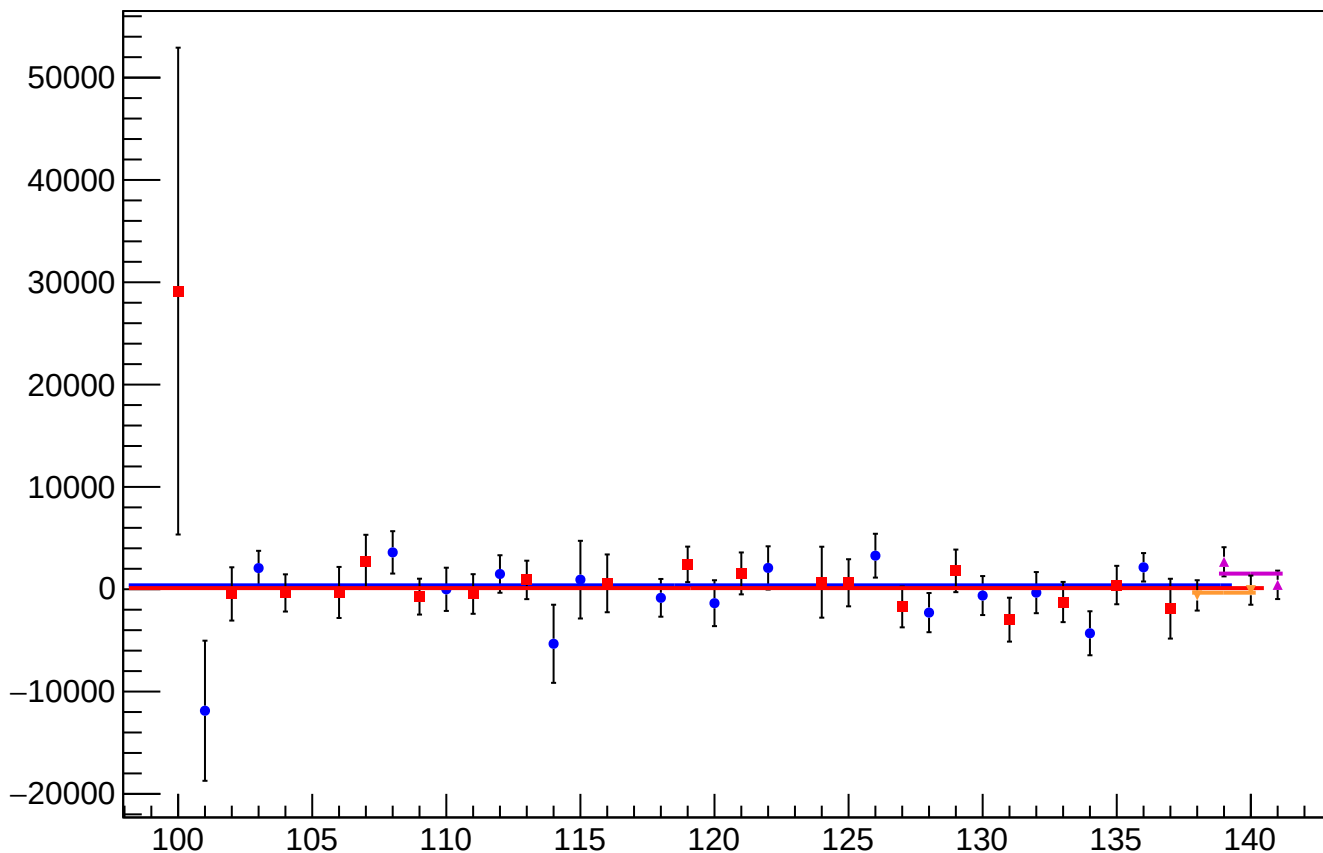
Left In: 534.750 $\pm$ 0.292 χ^2 /NDF: 86573.2/1

+ sign 715.376 $\pm$ 0.182 χ^2 /NDF: 2071886.6/17

All: 736.729 $\pm$ 0.132 χ^2 /NDF: 4073587.2/38

- sign 760.125 $\pm$ 0.190 χ^2 /NDF: 1972850.1/20

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

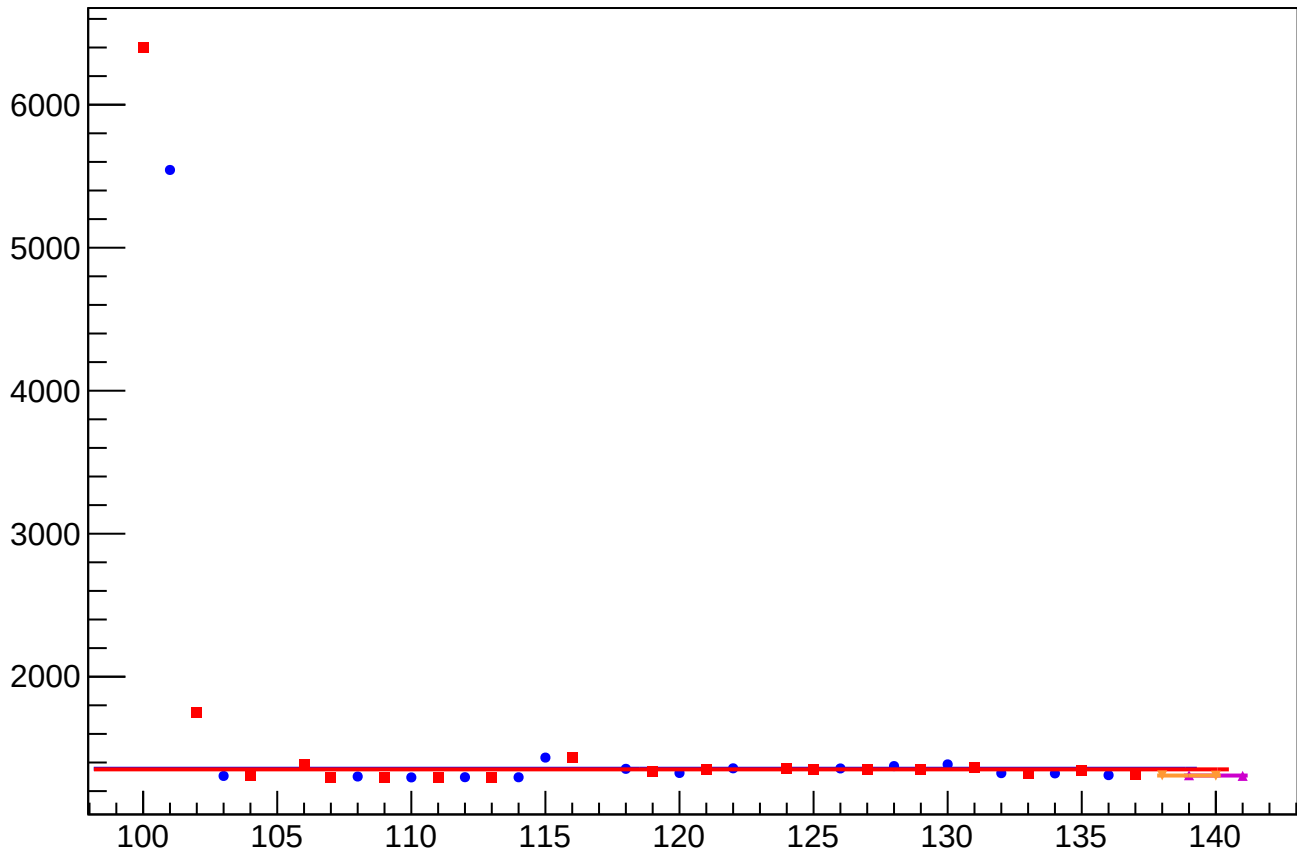
Left In: 1527.157 $\pm$ 994.584 χ^2 /NDF: 1.3/1

+ sign 236.270 $\pm$ 462.367 χ^2 /NDF: 22.0/17

All: 319.874 $\pm$ 321.983 χ^2 /NDF: 34.9/38

- sign 398.590 $\pm$ 448.647 χ^2 /NDF: 12.9/20

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1308.908 $\pm$ 0.726 χ^2 /NDF: 2.3/1

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

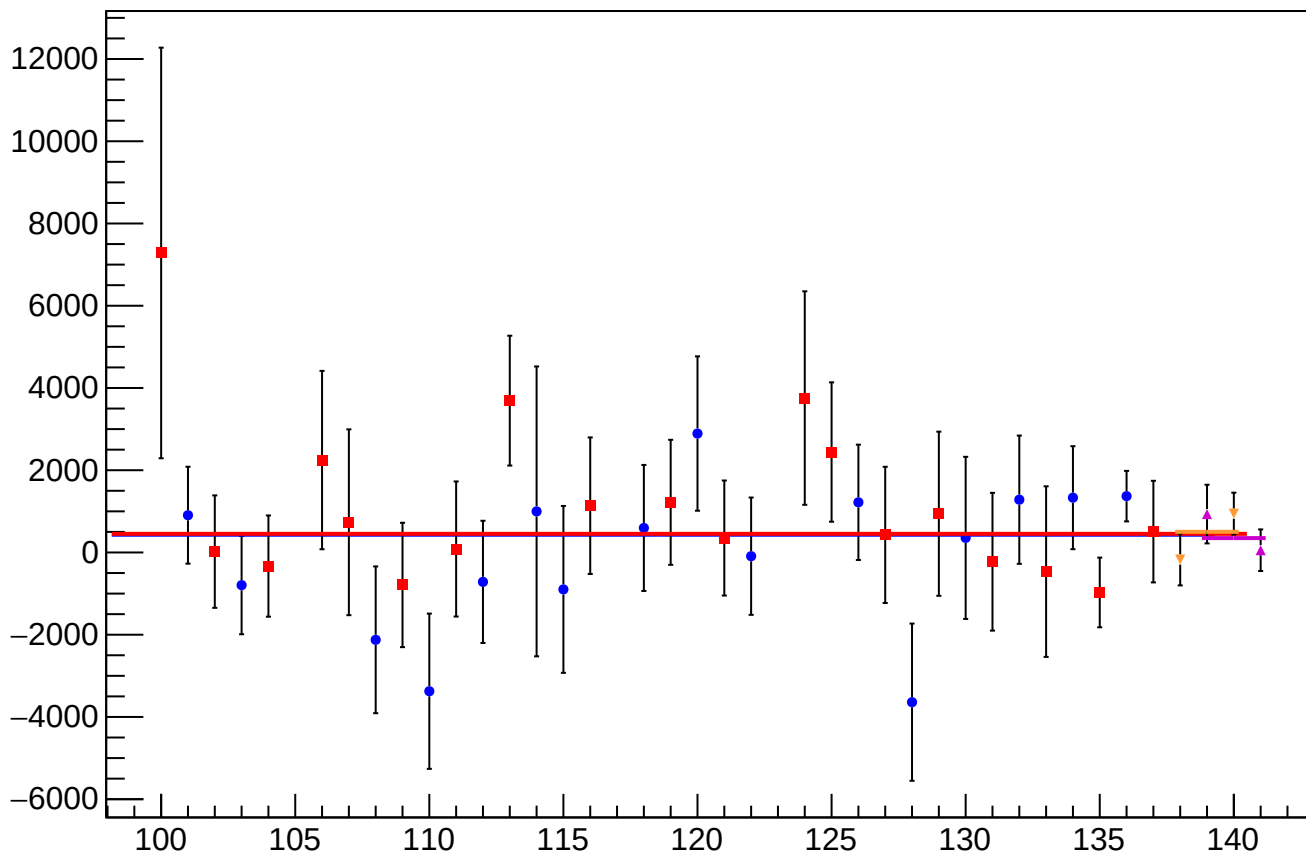
Left In: 1308.853 $\pm$ 0.703 χ^2 /NDF: 10.0/1

+ sign 1346.775 $\pm$ 0.327 χ^2 /NDF: 763676.4/17

All: 1344.978 $\pm$ 0.228 χ^2 /NDF: 914081.2/38

- sign 1343.287 $\pm$ 0.317 χ^2 /NDF: 150346.2/20

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

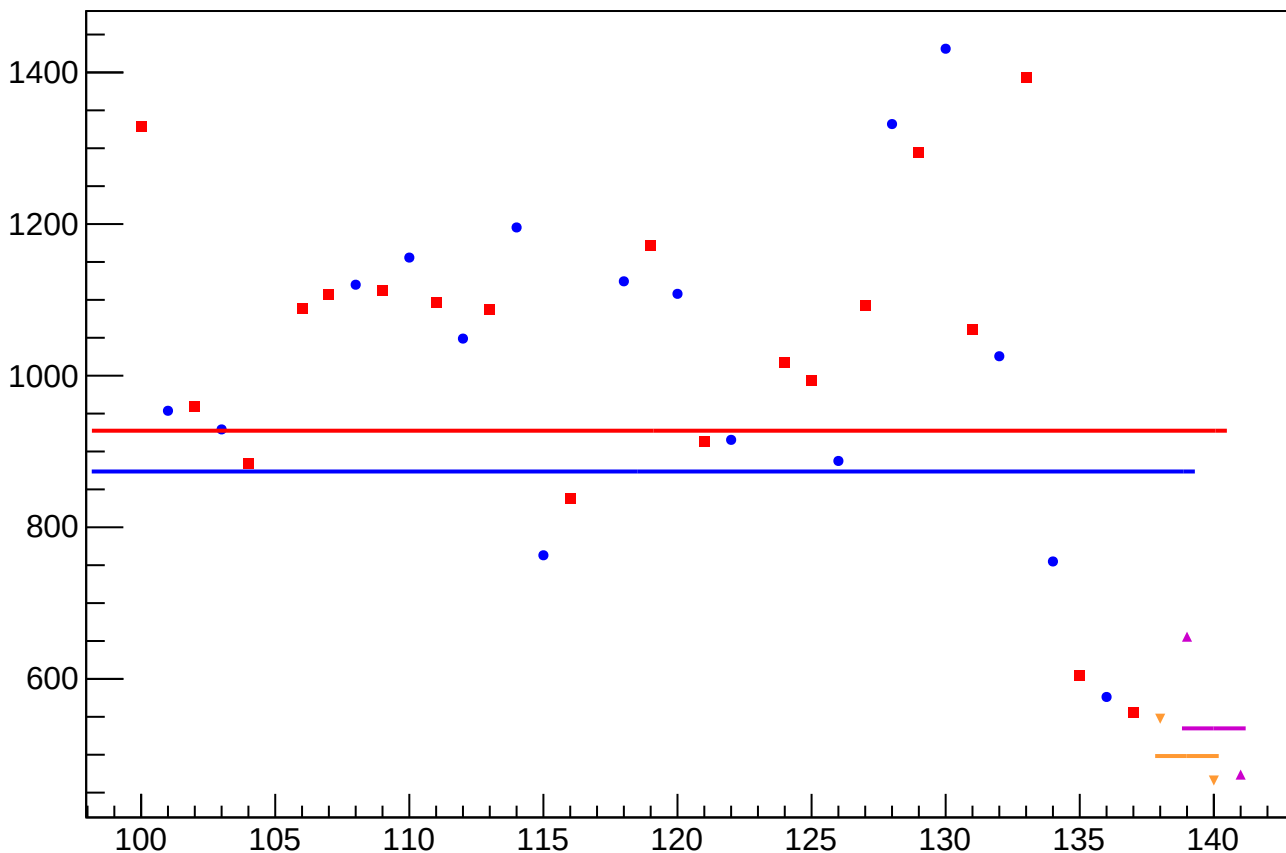
Left In: 349.563+/-412.752 χ^2/NDF : 1.0/1

+ sign 461.600+/-257.372 χ^2/NDF : 20.2/17

All: 436.480+/-186.098 χ^2/NDF : 35.9/38

- sign 408.955+/-269.406 χ^2/NDF : 15.7/20

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

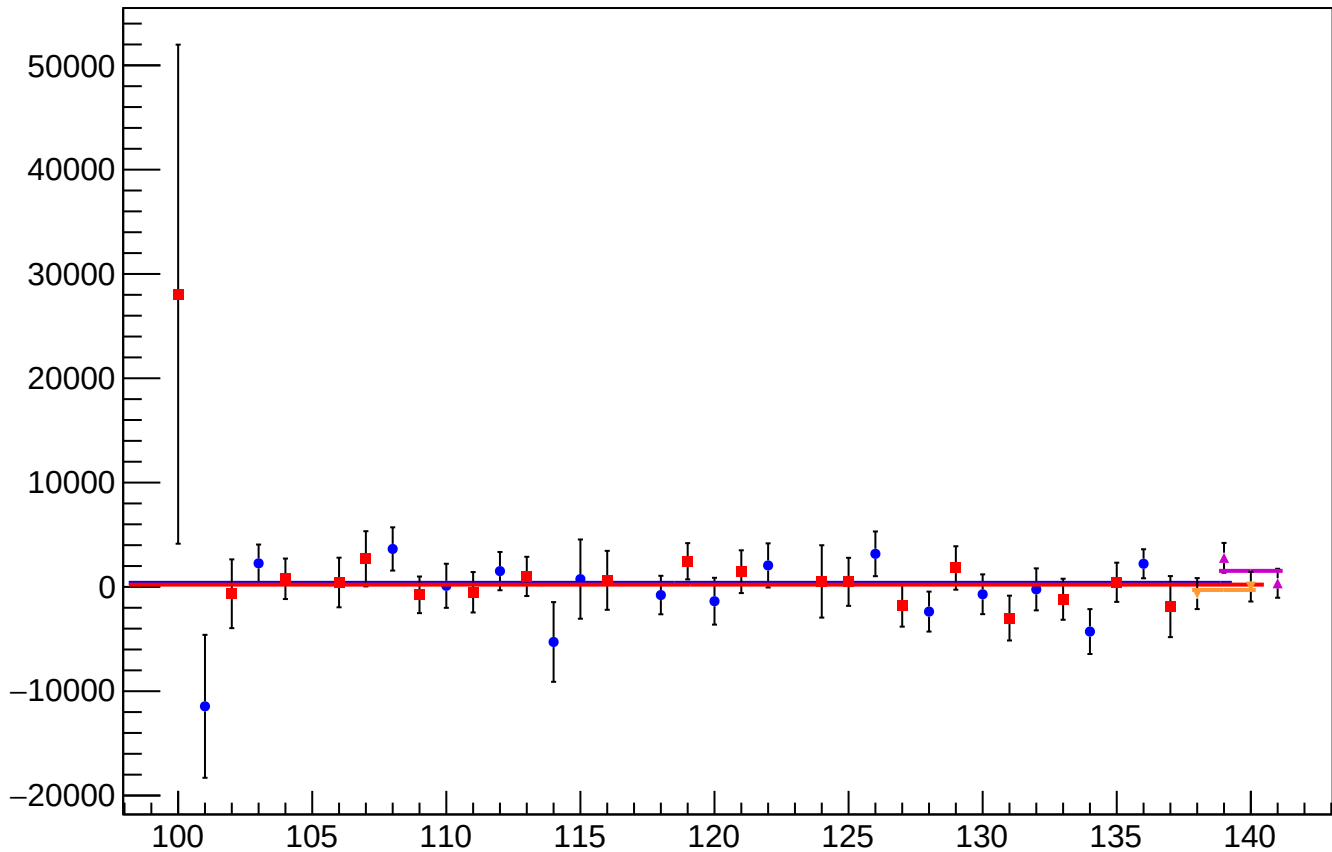
Left In: 534.750 $\pm$ 0.292 χ^2 /NDF: 86573.2/1

+ sign 715.376 $\pm$ 0.182 χ^2 /NDF: 2071886.6/17

All: 736.729 $\pm$ 0.132 χ^2 /NDF: 4073587.2/38

- sign 760.125 $\pm$ 0.190 χ^2 /NDF: 1972850.1/20

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

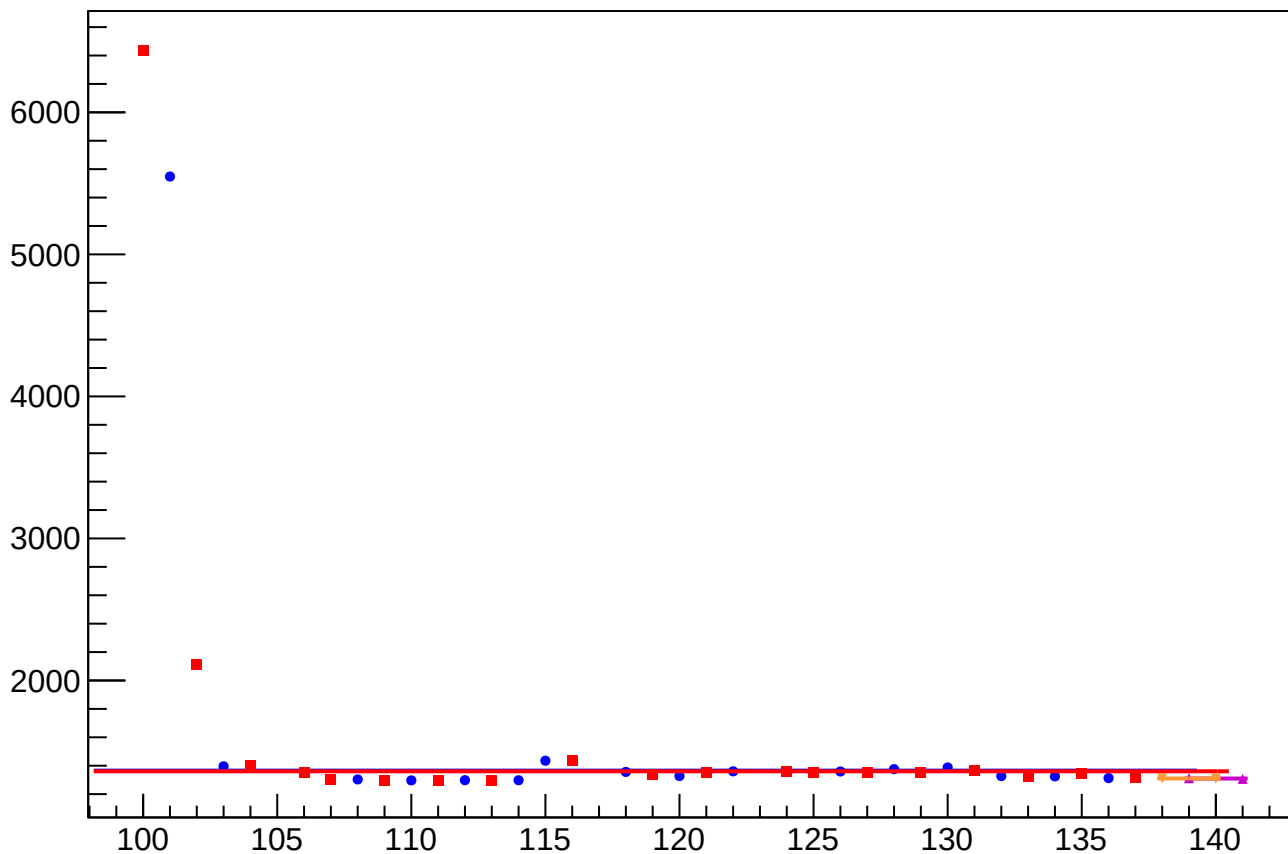
Left In: 1537.640 $\pm$ 995.287 χ^2 /NDF:1.5/1

+ sign 250.059 $\pm$ 464.848 χ^2 /NDF: 21.8/17

All: 373.700 $\pm$ 324.213 χ^2 /NDF: 34.9/38

- sign 490.817 $\pm$ 452.419 χ^2 /NDF: 12.9/20

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF : 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF : 2.8/1

Right Out: 1360.771+/-0.359 χ^2/NDF : 205315.3/18

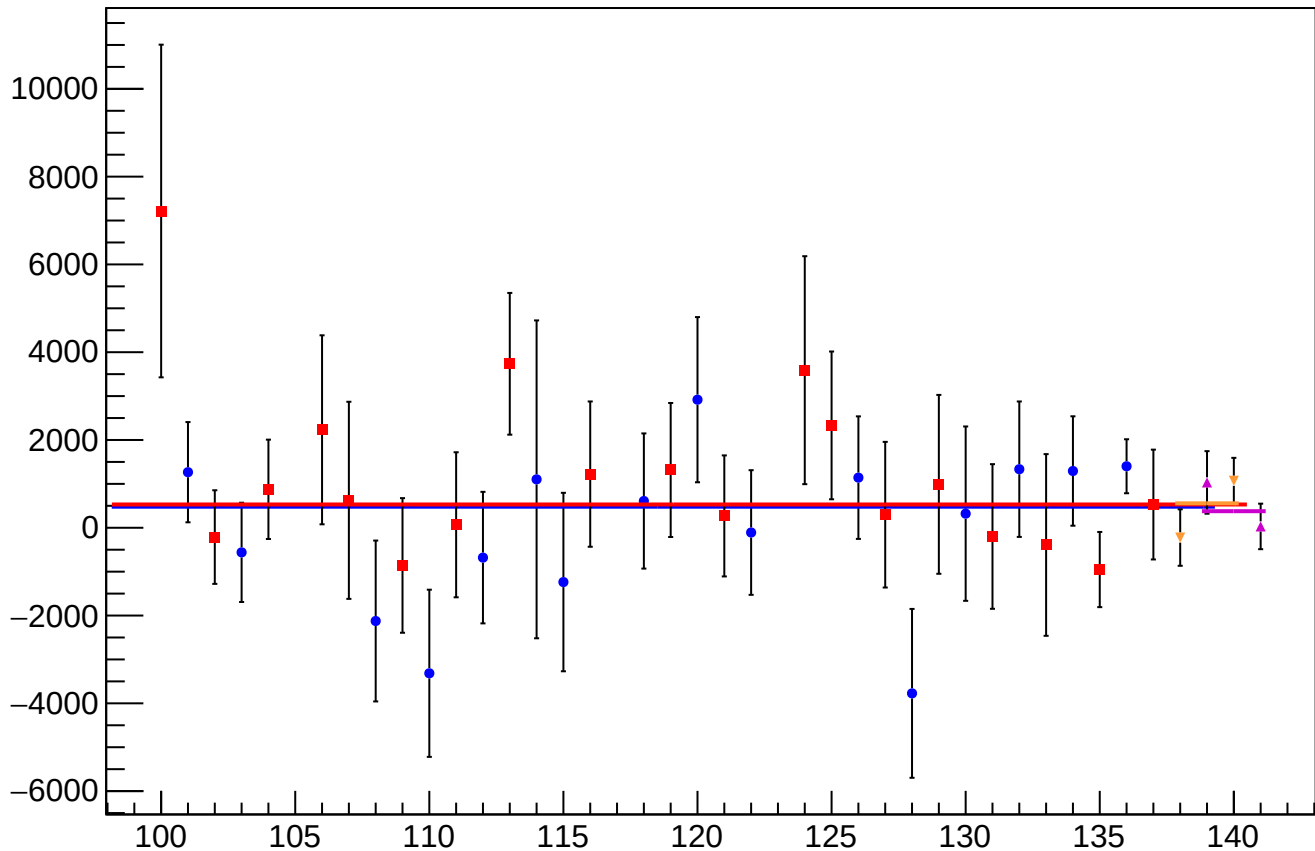
Left In: 1309.775+/-0.704 χ^2/NDF : 11.7/1

+ sign 1354.015+/-0.329 χ^2/NDF : 763536.1/17

All: 1352.073+/-0.229 χ^2/NDF : 973096.6/38

- sign 1350.234+/-0.320 χ^2/NDF : 209492.5/20

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF : 18.6/15

Left Out: 556.987+/-405.327 χ^2/NDF : 2.4/1

Right Out: 530.532+/-346.105 χ^2/NDF : 15.6/18

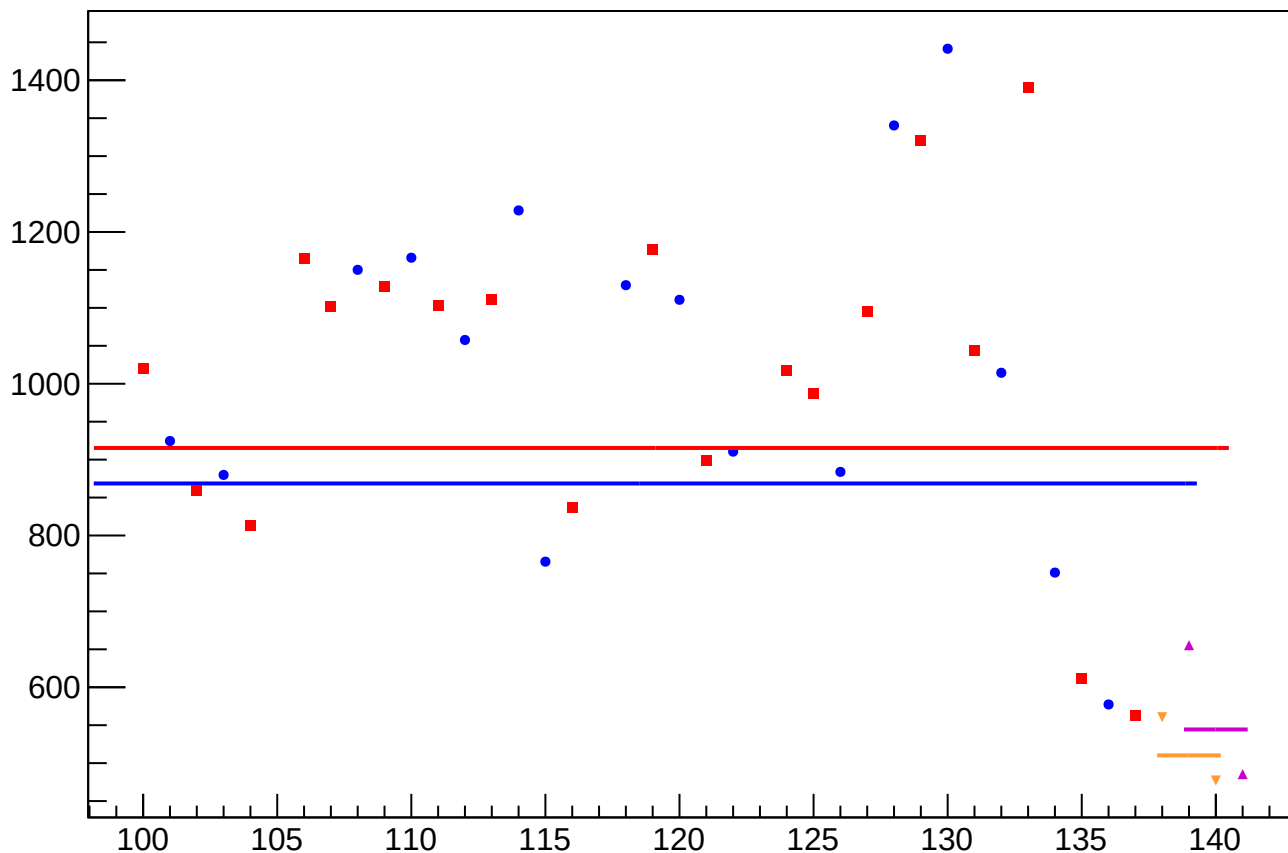
Left In: 377.590+/-419.248 χ^2/NDF : 1.3/1

+ sign 511.652+/-258.915 χ^2/NDF : 21.1/17

All: 490.754+/-185.841 χ^2/NDF : 38.1/38

- sign 468.545+/-266.906 χ^2/NDF : 17.0/20

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

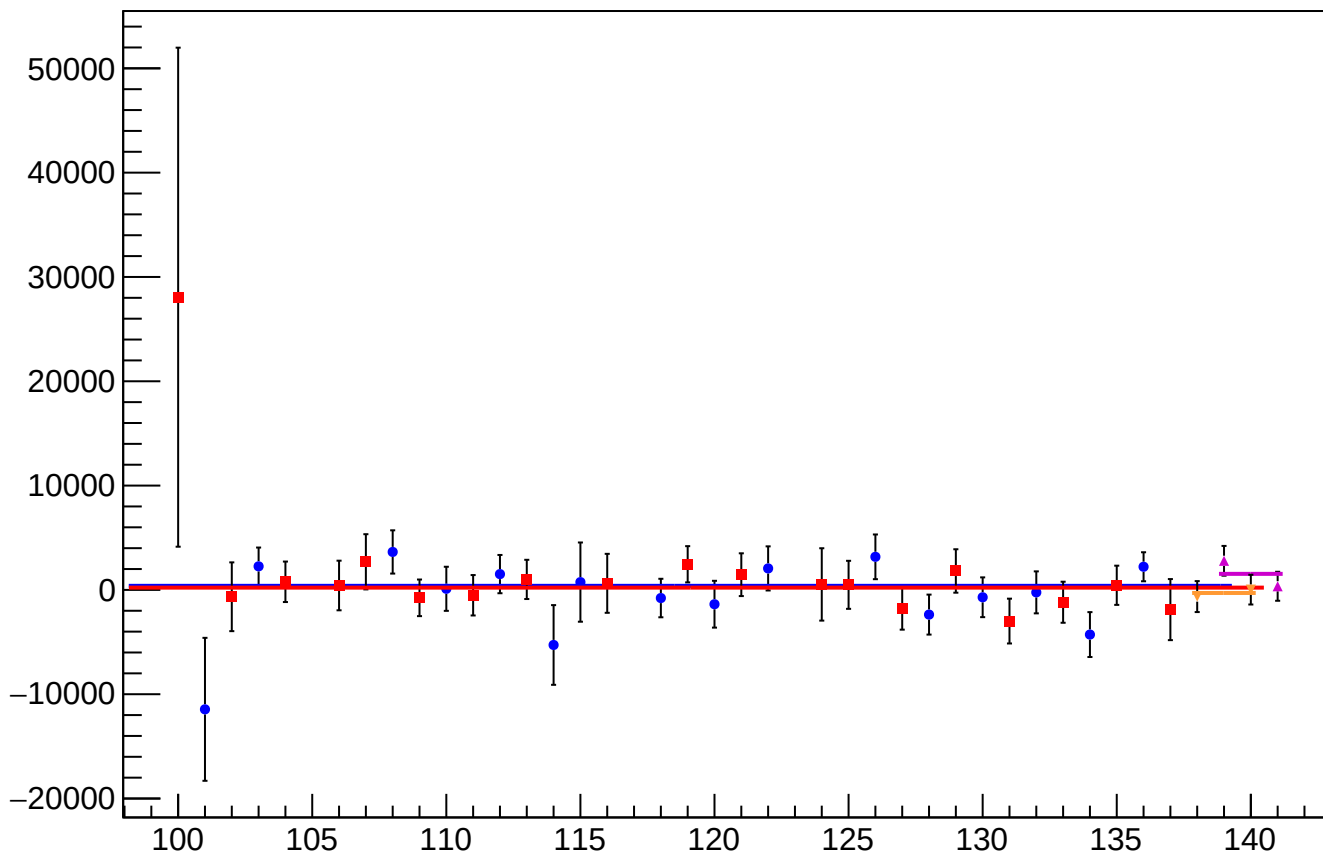
Left In: 544.371+/-0.296 χ^2/NDF : 74347.5/1

+ sign 722.341+/-0.183 χ^2/NDF : 1967119.3/17

All: 743.022+/-0.131 χ^2/NDF : 3858037.1/38

- sign 764.999+/-0.189 χ^2/NDF : 1864598.0/20

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

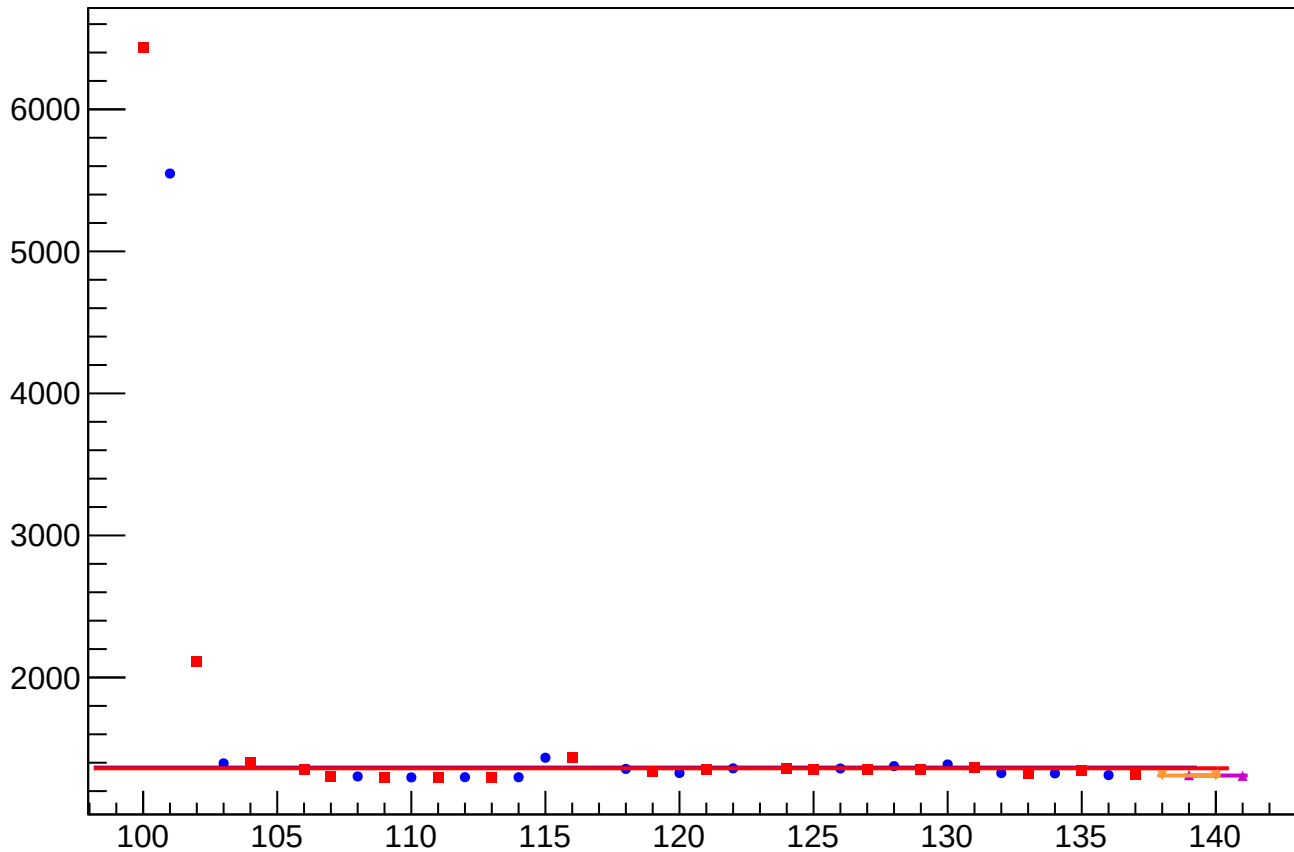
Left In: 1537.642 $\pm$ 995.287 χ^2 /NDF:1.5/1

+ sign 250.059 $\pm$ 464.848 χ^2 /NDF: 21.8/17

All: 373.699 $\pm$ 324.213 χ^2 /NDF: 34.9/38

- sign 490.817 $\pm$ 452.419 χ^2 /NDF: 12.9/20

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF : 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF : 2.8/1

Right Out: 1360.770+/-0.359 χ^2/NDF : 205315.2/18

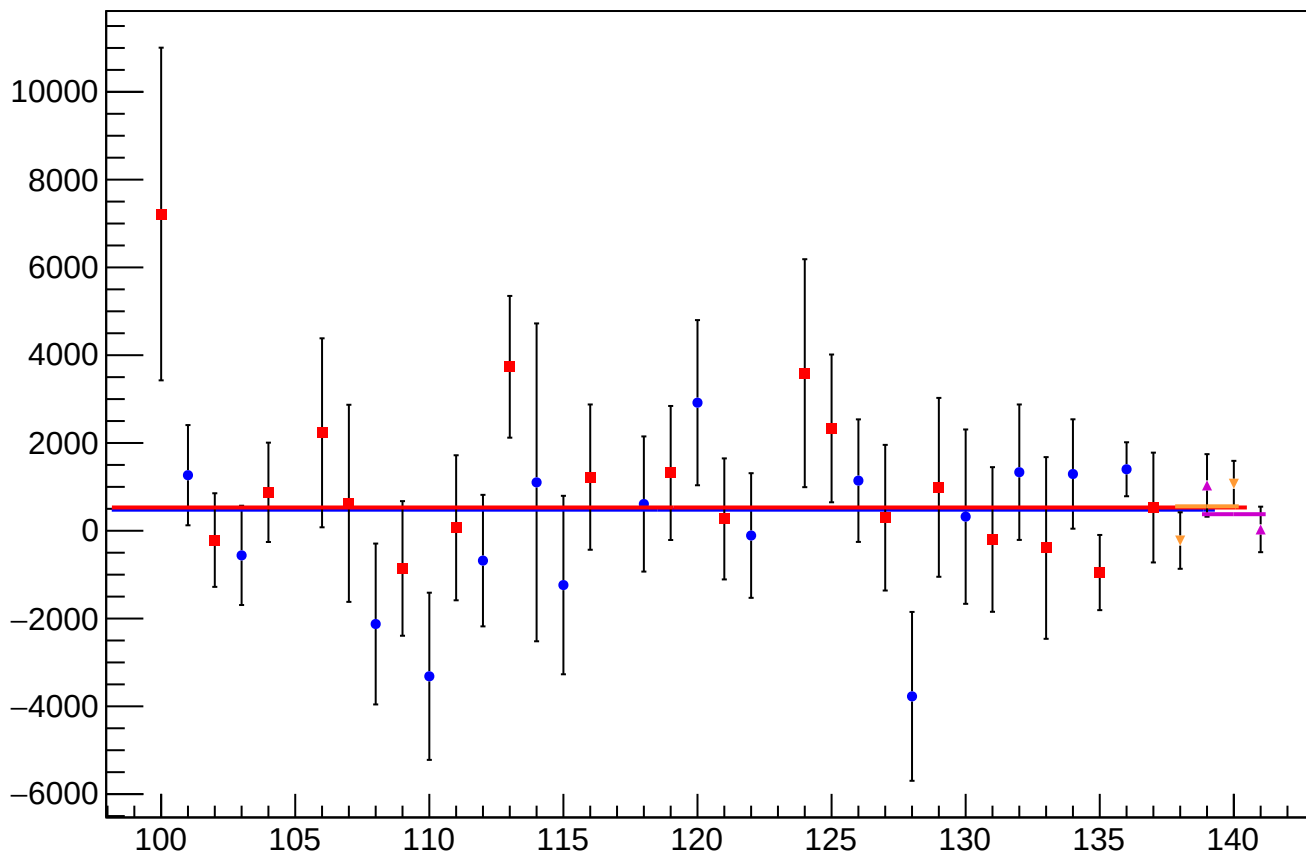
Left In: 1309.775+/-0.704 χ^2/NDF : 11.7/1

+ sign 1354.015+/-0.329 χ^2/NDF : 763536.1/17

All: 1352.073+/-0.229 χ^2/NDF : 973096.5/38

- sign 1350.234+/-0.320 χ^2/NDF : 209492.4/20

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF : 18.6/15

Left Out: 556.991+/-405.327 χ^2/NDF : 2.4/1

Right Out: 530.531+/-346.104 χ^2/NDF : 15.6/18

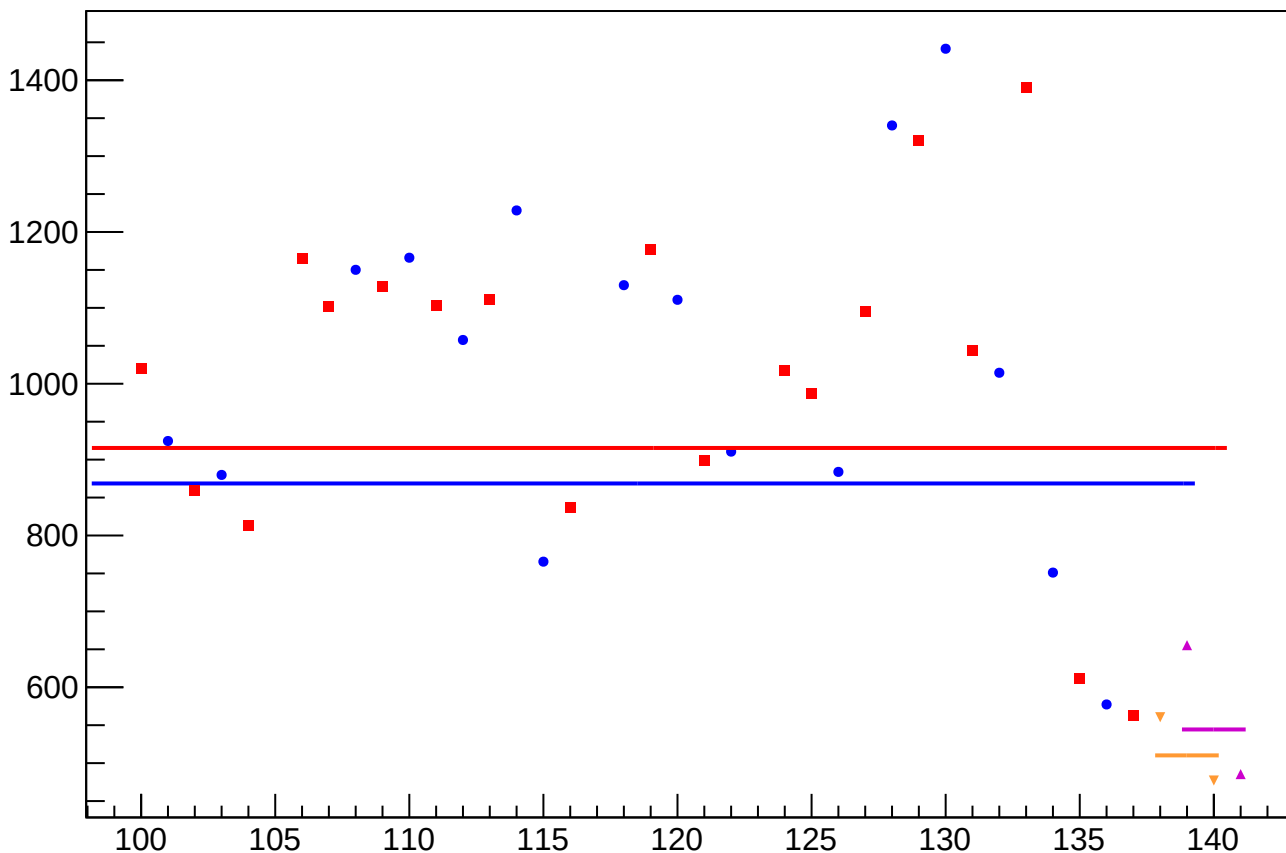
Left In: 377.589+/-419.248 χ^2/NDF : 1.3/1

+ sign 511.652+/-258.915 χ^2/NDF : 21.1/17

All: 490.753+/-185.841 χ^2/NDF : 38.1/38

- sign 468.545+/-266.905 χ^2/NDF : 17.0/20

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570 $\pm$ 0.238 χ^2 /NDF: 1021337.1/15

Left Out: 510.199 $\pm$ 0.287 χ^2 /NDF: 20274.4/1

Right Out: 915.358 $\pm$ 0.245 χ^2 /NDF: 858906.3/18

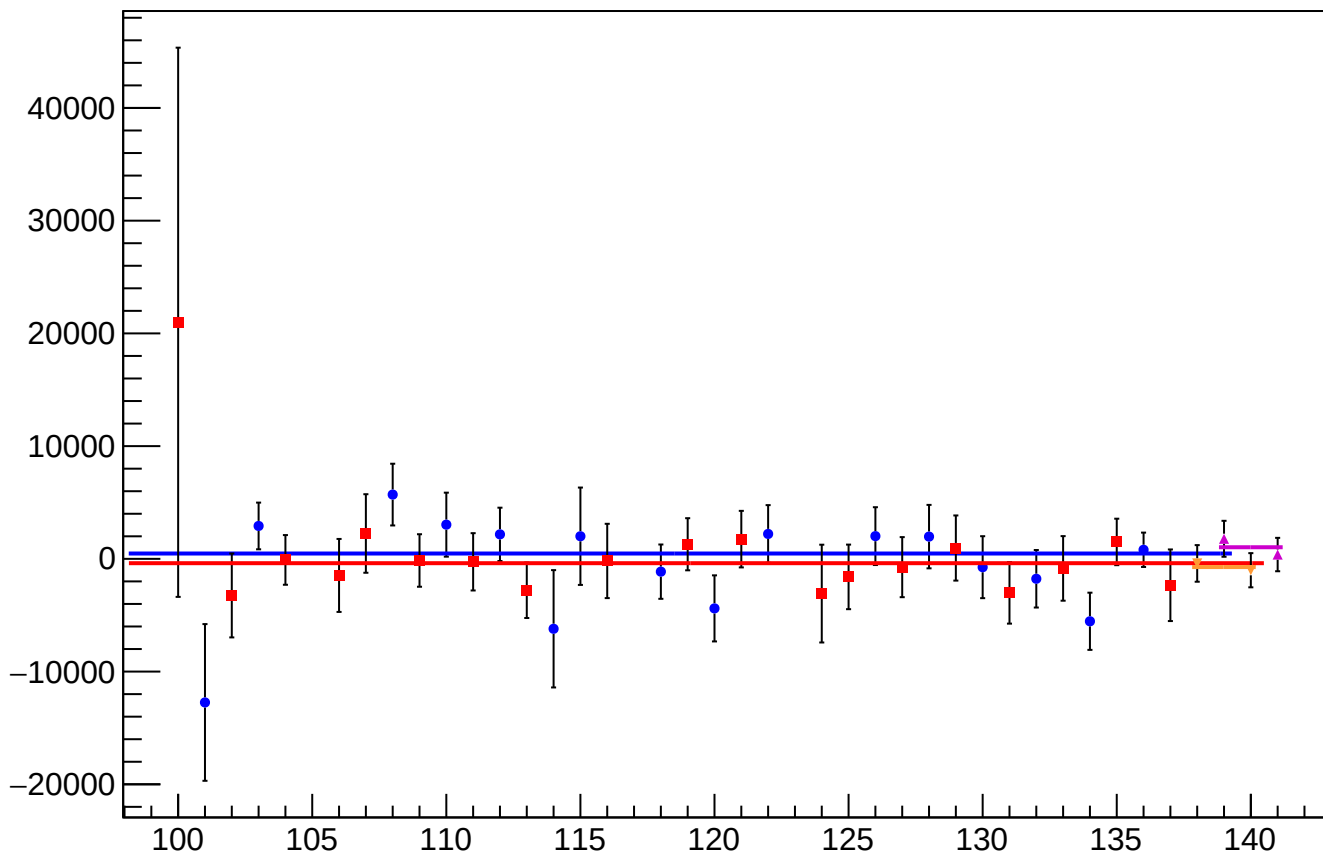
Left In: 544.371 $\pm$ 0.296 χ^2 /NDF: 74350.5/1

+ sign 722.341 $\pm$ 0.183 χ^2 /NDF: 1967108.6/17

All: 743.021 $\pm$ 0.131 χ^2 /NDF: 3858022.7/38

- sign 764.999 $\pm$ 0.189 χ^2 /NDF: 1864594.1/20

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF : 22.7/15

Left Out: -728.197+/-1108.259 χ^2/NDF : 0.1/1

Right Out: -384.785+/-641.994 χ^2/NDF : 7.3/18

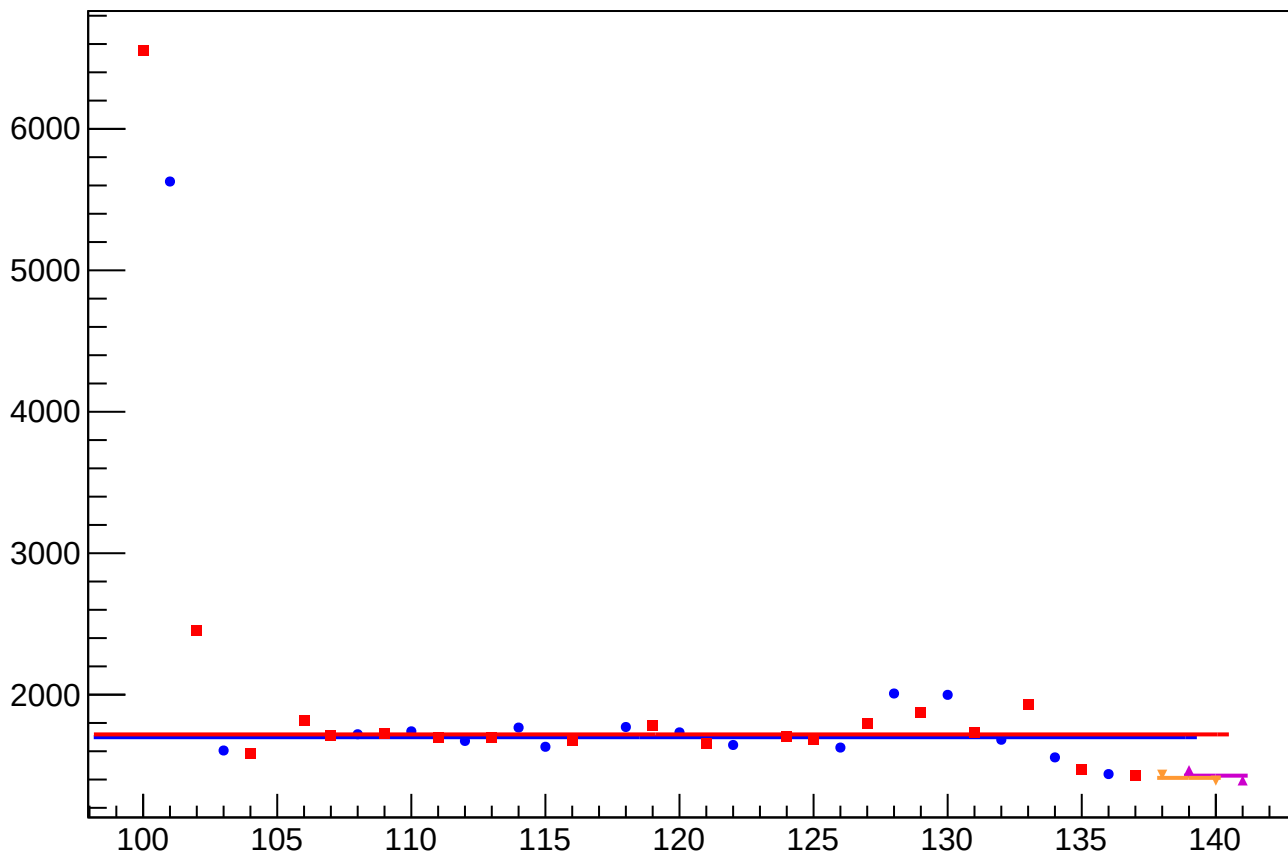
Left In: 1029.582+/-1085.155 χ^2/NDF : 0.4/1

+ sign 166.459+/-560.194 χ^2/NDF : 23.6/17

All: 72.915+/-393.383 χ^2/NDF : 32.6/38

- sign -18.090+/-552.539 χ^2/NDF : 8.9/20

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF : 762097.7/15

Left Out: 1411.797+/-0.784 χ^2/NDF : 717.5/1

Right Out: 1719.103+/-0.454 χ^2/NDF : 233751.6/18

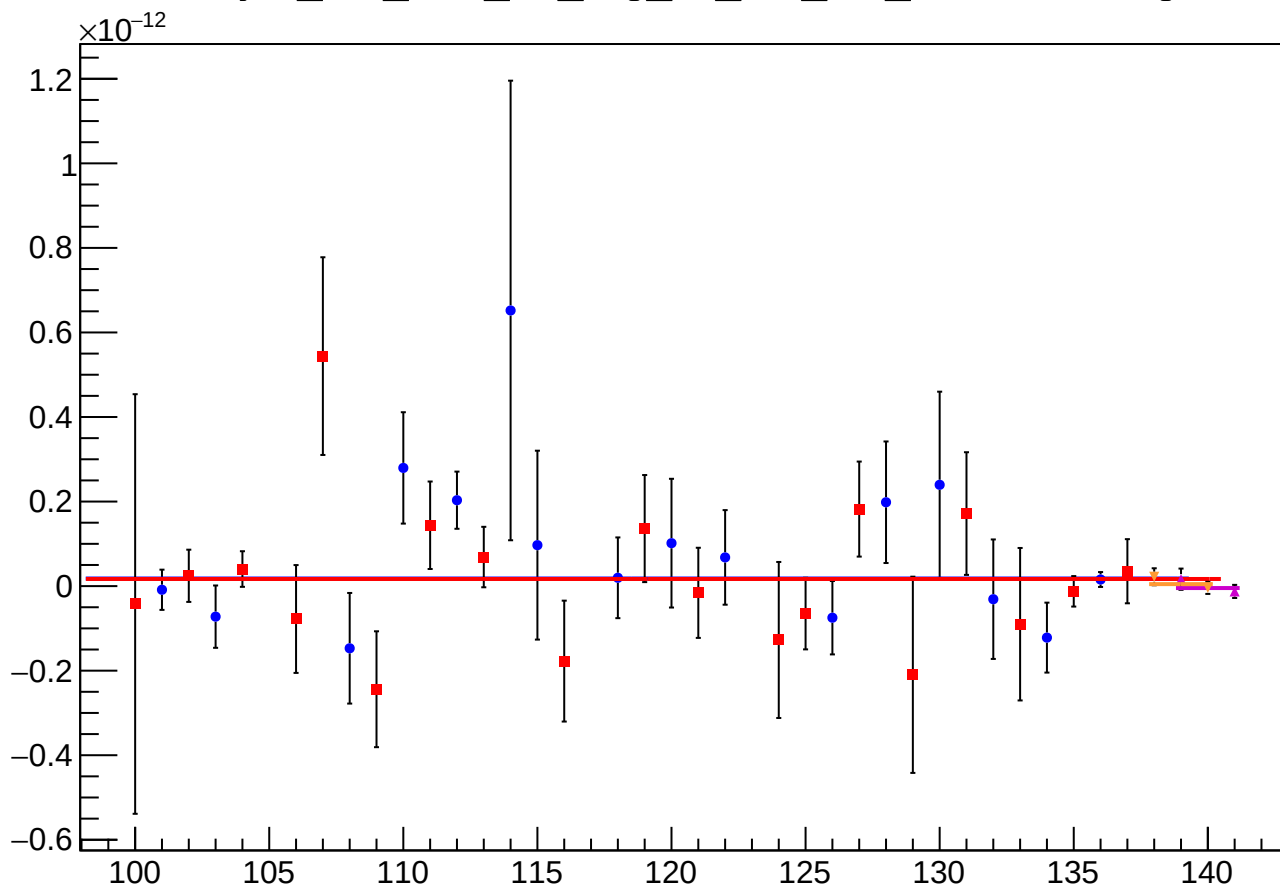
Left In: 1427.513+/-0.767 χ^2/NDF : 2249.5/1

+ sign 1625.864+/-0.396 χ^2/NDF : 863042.2/17

All: 1634.806+/-0.278 χ^2/NDF : 1207016.8/38

- sign 1643.504+/-0.391 χ^2/NDF : 342969.4/20

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

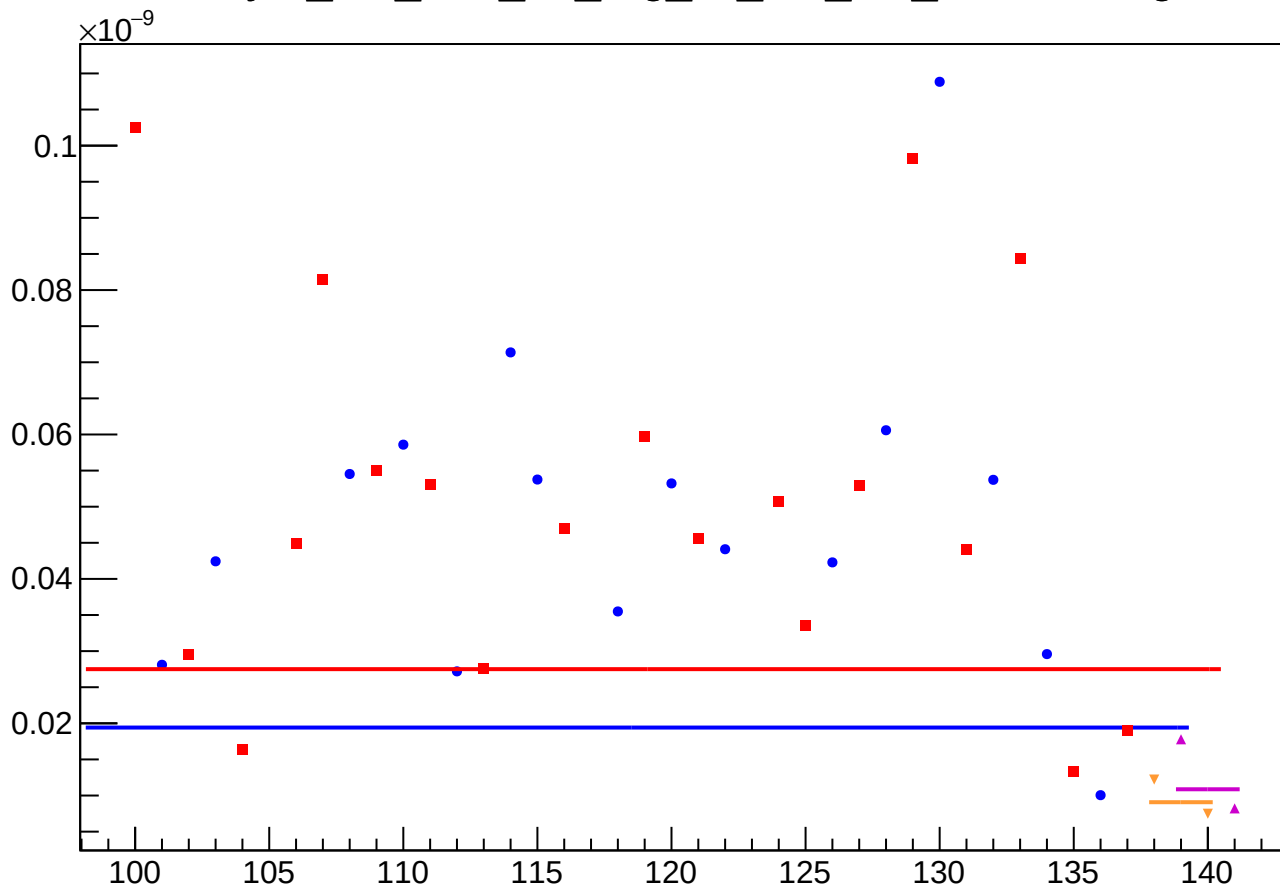
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.6/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/20

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 73369.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1650144.8/18

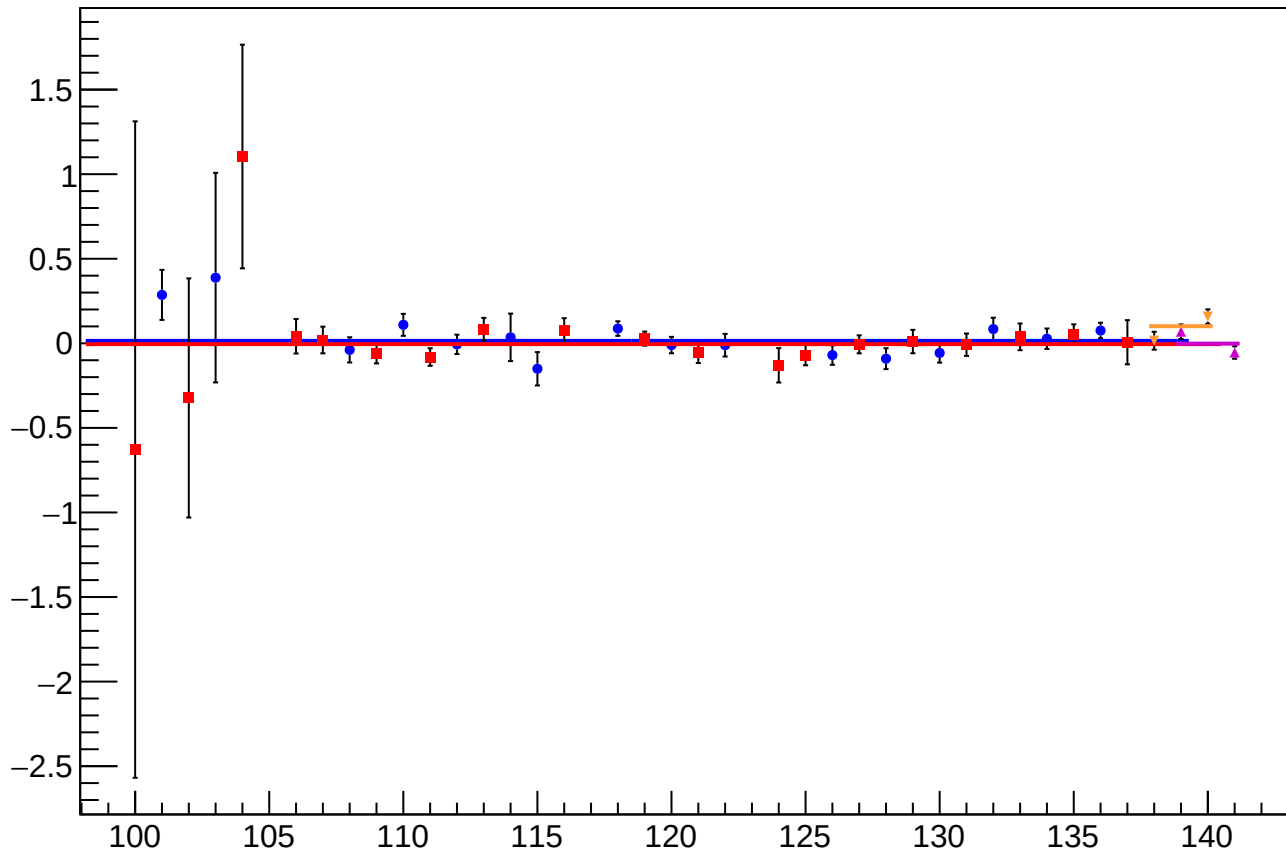
Left In: 0.000+/-0.000 χ^2/NDF : 210084.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2971235.6/17

All: 0.000+/-0.000 χ^2/NDF : 5950878.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2886274.8/20

asym_usr_atr1_dd_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

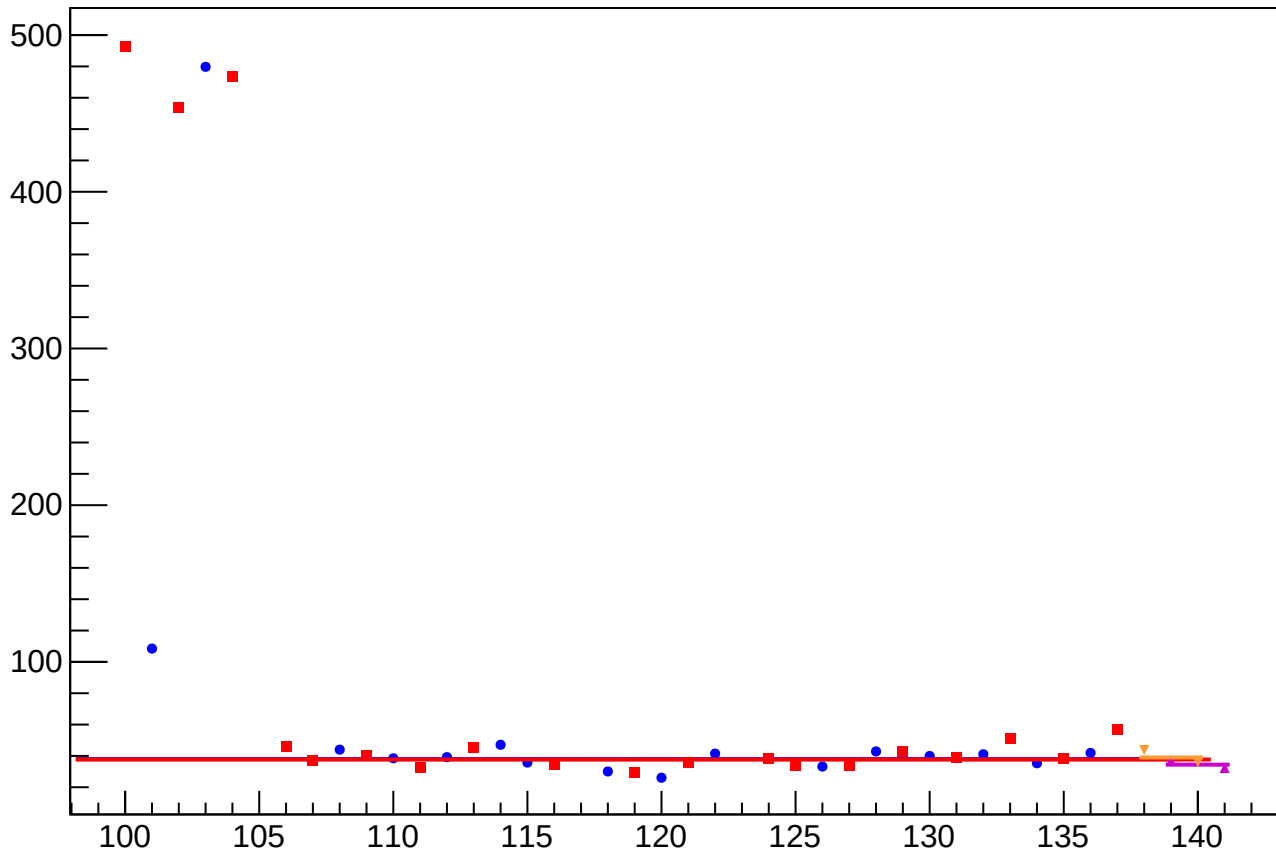
Left In: -0.002 $\pm$ 0.028 χ^2 /NDF: 4.7/1

+ sign 0.031 $\pm$ 0.014 χ^2 /NDF: 31.9/17

All: 0.013 $\pm$ 0.010 χ^2 /NDF: 54.5/38

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 19.6/20

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

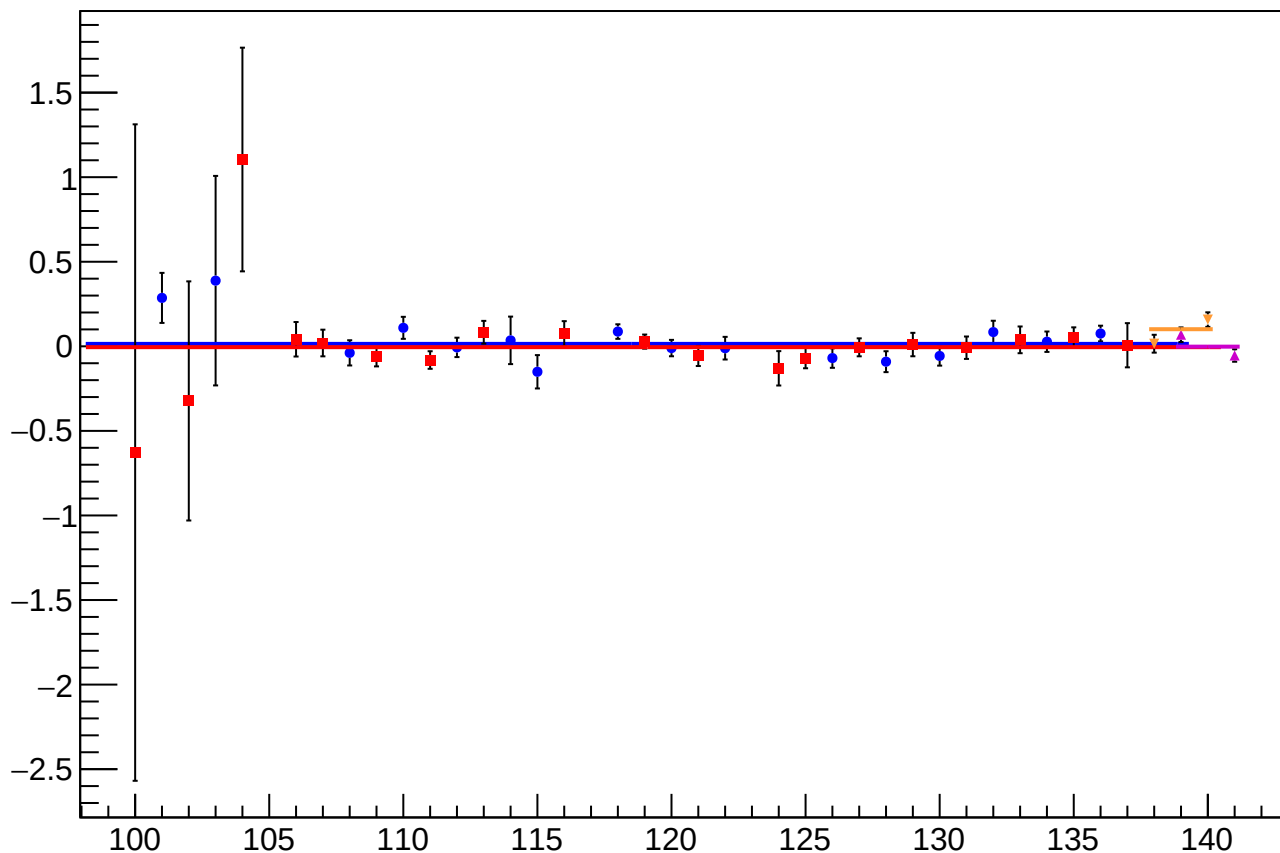
Left In: 34.414 $\pm$ 0.020 χ^2 /NDF: 15191.9/1

+ sign 38.137 $\pm$ 0.010 χ^2 /NDF: 1768645.0/17

All: 37.492 $\pm$ 0.007 χ^2 /NDF: 3757136.2/38

- sign 36.887 $\pm$ 0.010 χ^2 /NDF: 1980692.1/20

asym_usr_atr1_dd_dit_vs_eigen_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

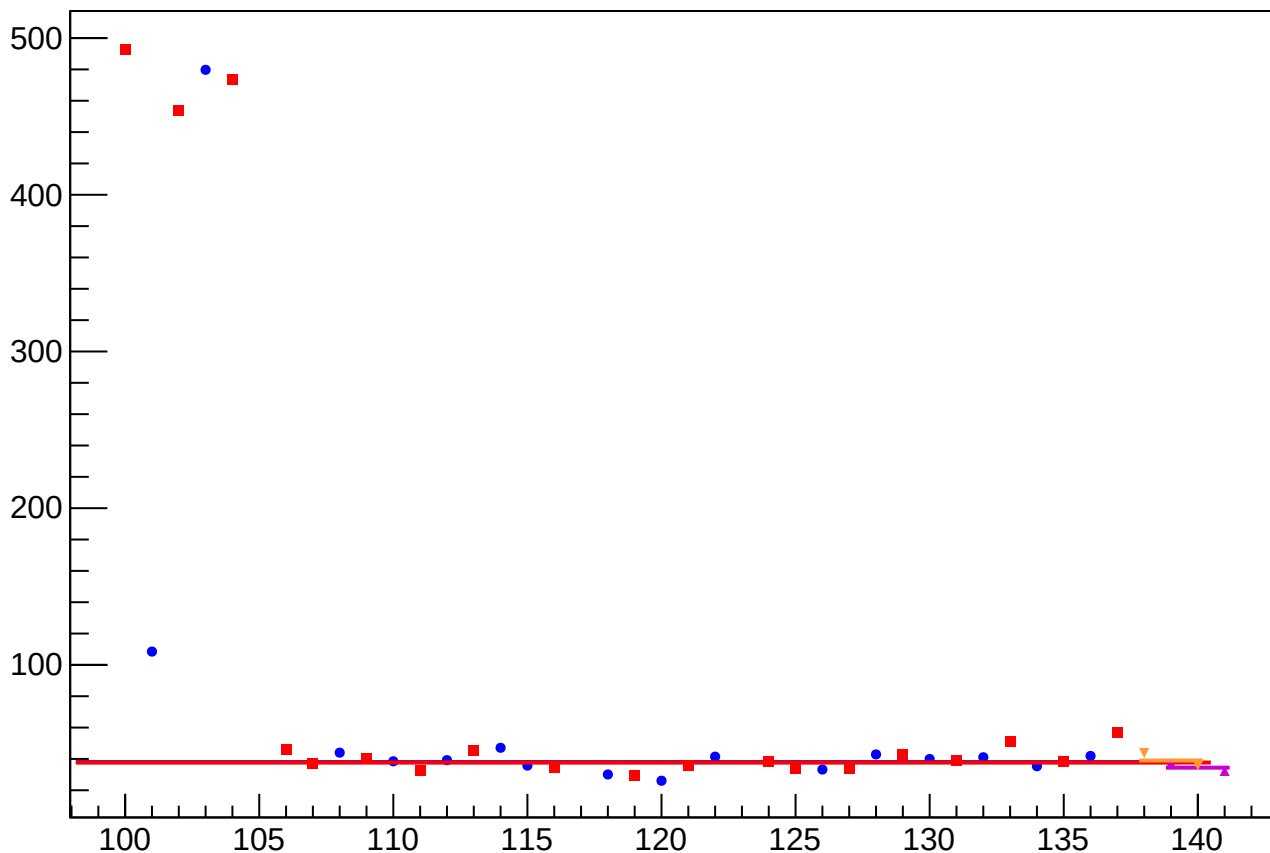
Left In: -0.002 ± 0.028 χ^2/NDF : 4.7/1

+ sign 0.031 ± 0.014 χ^2/NDF : 31.9/17

All: 0.013 ± 0.010 χ^2/NDF : 54.5/38

- sign -0.004 ± 0.014 χ^2/NDF : 19.6/20

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 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

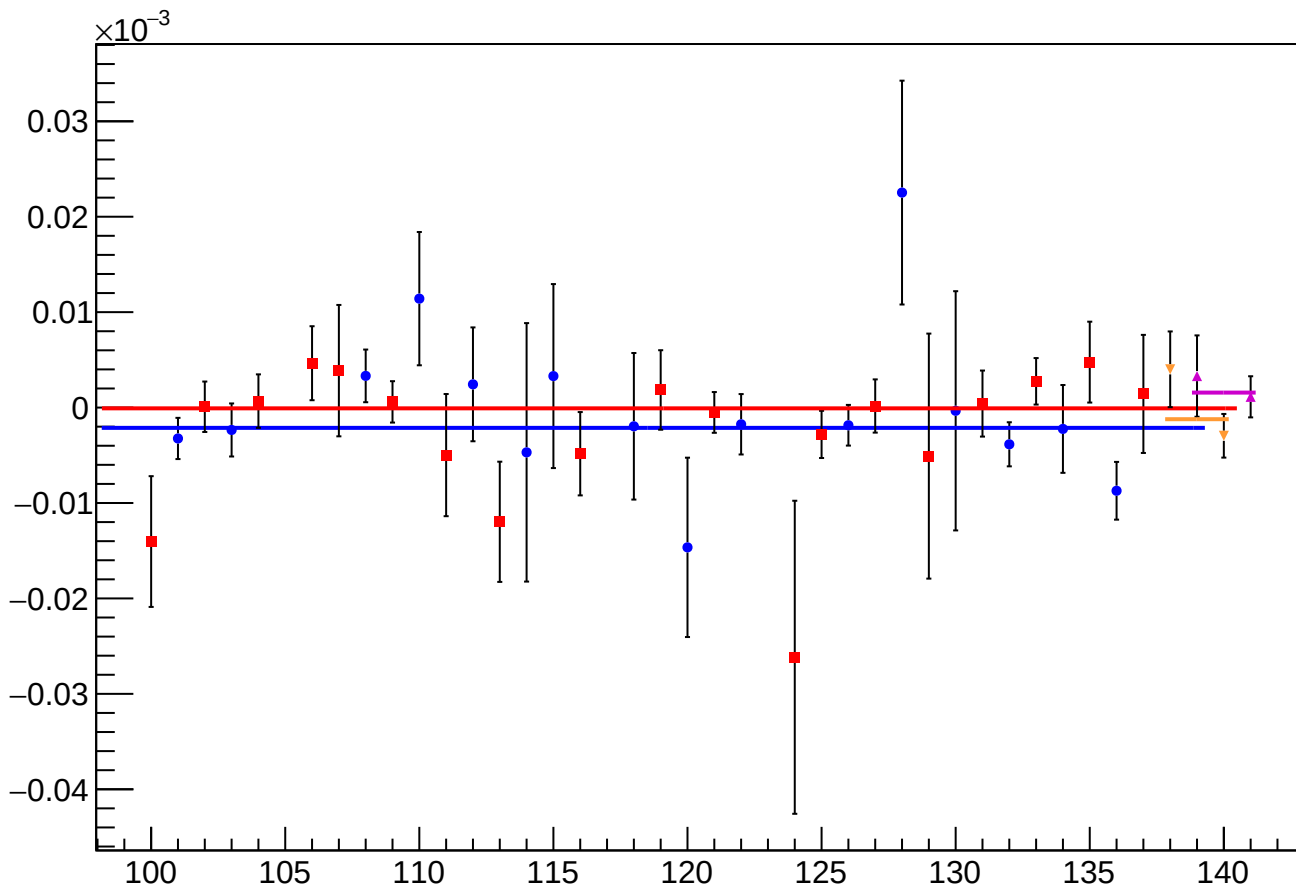
Left In: 34.414 $\pm$ 0.020 χ^2 /NDF: 15191.9/1

+ sign 38.137 $\pm$ 0.010 χ^2 /NDF: 1768645.0/17

All: 37.492 $\pm$ 0.007 χ^2 /NDF: 3757136.2/38

- sign 36.887 $\pm$ 0.010 χ^2 /NDF: 1980692.1/20

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

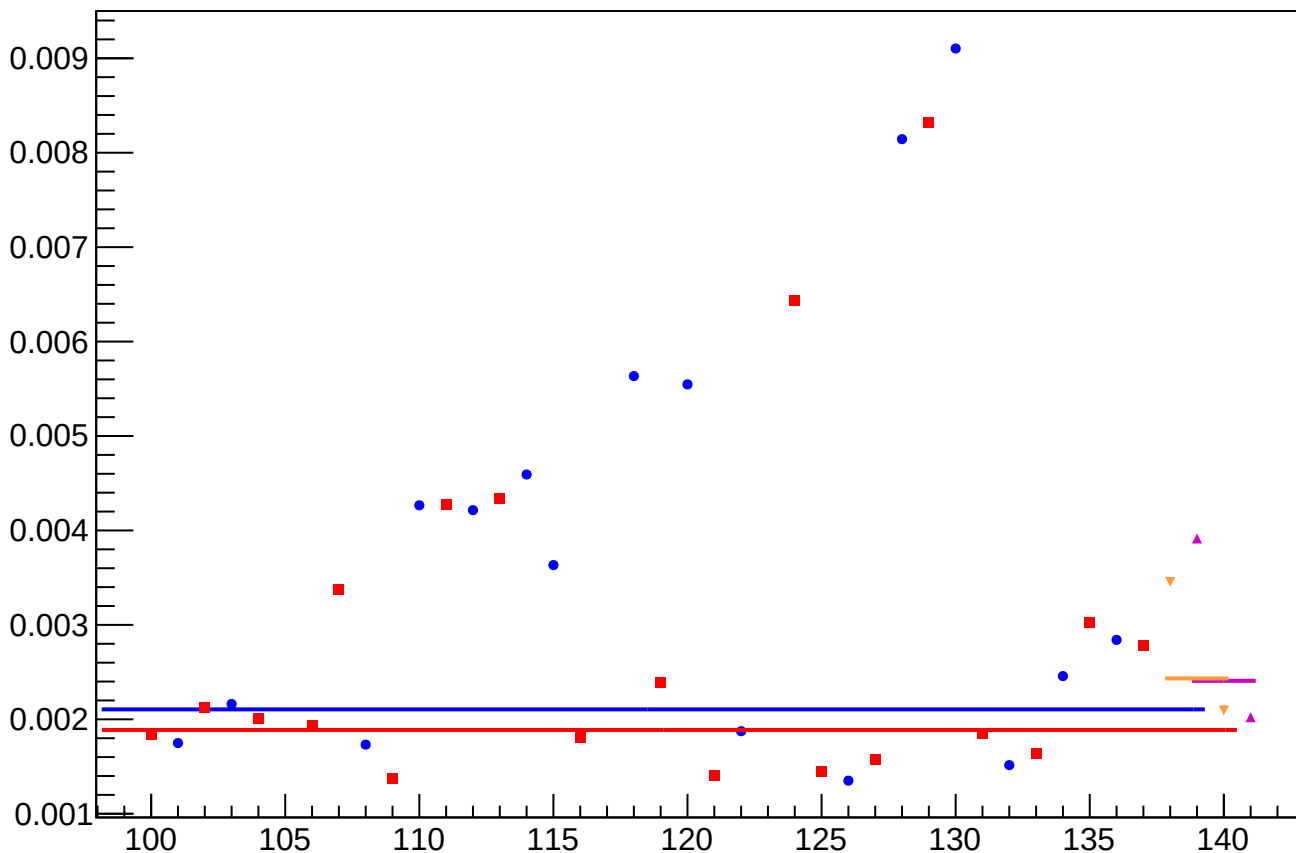
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.9/17

All: -0.000 ± 0.000 χ^2/NDF : 45.9/38

- sign 0.000 ± 0.000 χ^2/NDF : 19.2/20

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 3017568.9/15

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 176348.9/1

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 1892000.0/18

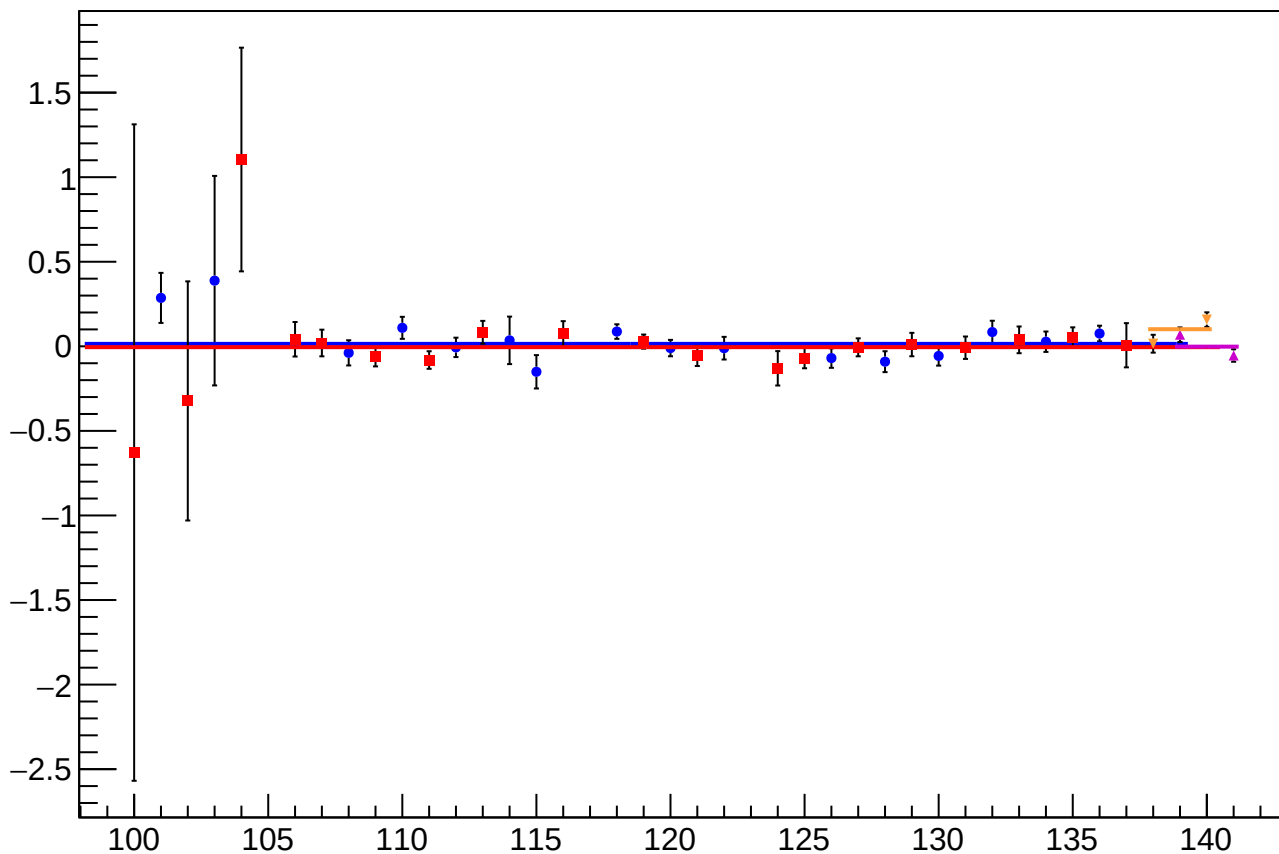
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 314422.3/1

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 3239251.2/17

All: 0.002 $\pm$ 0.000 χ^2/NDF : 5636840.9/38

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 2331802.6/20

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

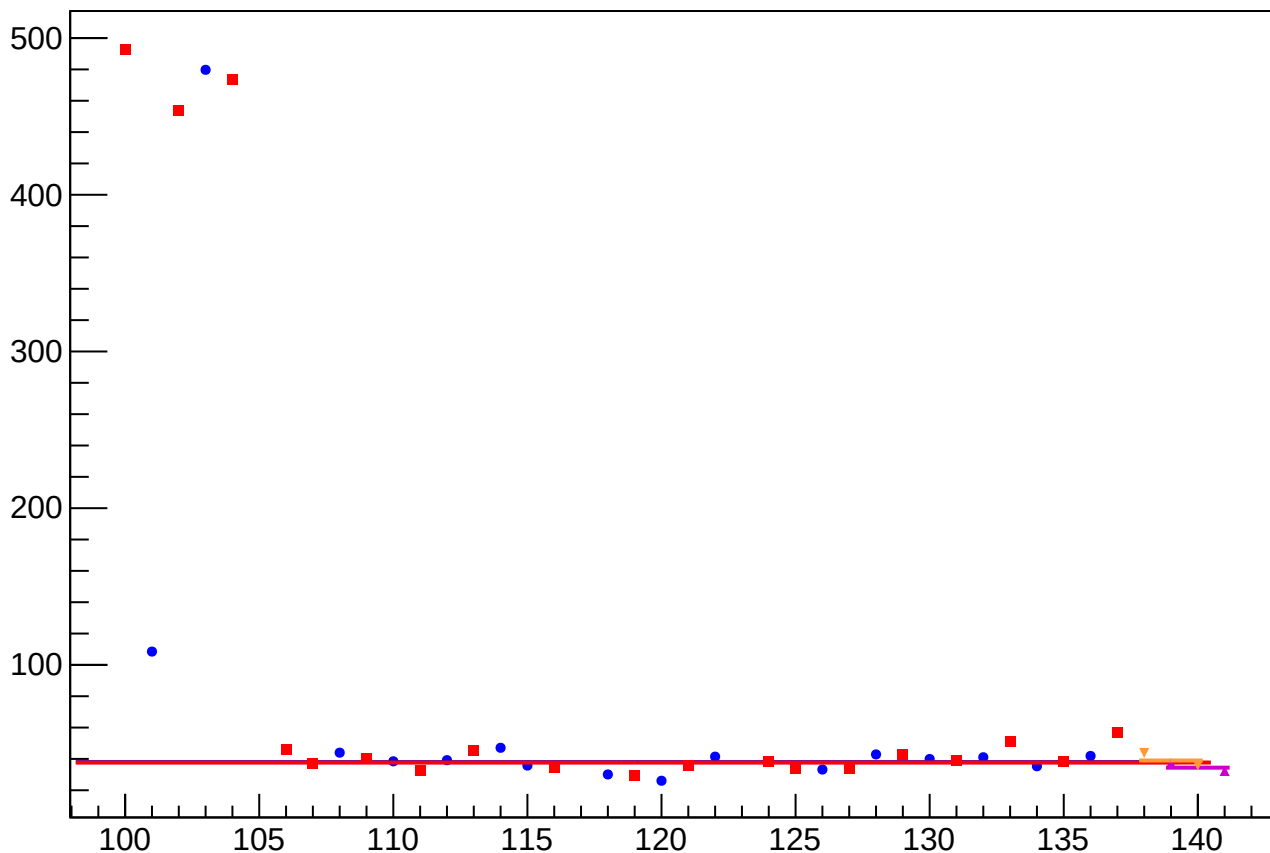
Left In: -0.002 $\pm$ 0.028 χ^2 /NDF: 4.7/1

+ sign 0.031 $\pm$ 0.014 χ^2 /NDF: 31.9/17

All: 0.013 $\pm$ 0.010 χ^2 /NDF: 54.5/38

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 19.6/20

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

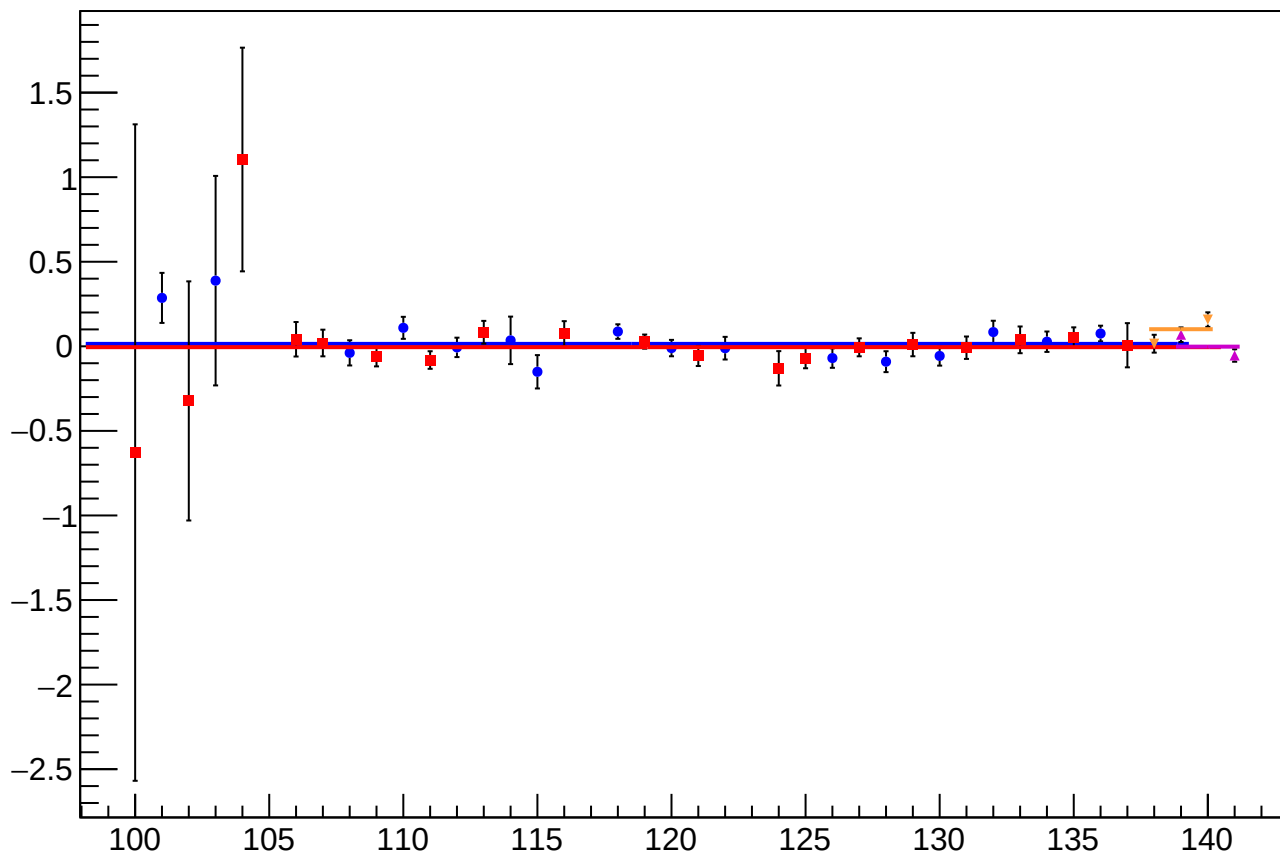
Left In: 34.413 $\pm$ 0.020 χ^2 /NDF: 15191.6/1

+ sign 38.136 $\pm$ 0.010 χ^2 /NDF: 1768664.1/17

All: 37.492 $\pm$ 0.007 χ^2 /NDF: 3757234.7/38

- sign 36.886 $\pm$ 0.010 χ^2 /NDF: 1980762.2/20

asym_usr_atr1_dd_eigen_dit_vs_eigen_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

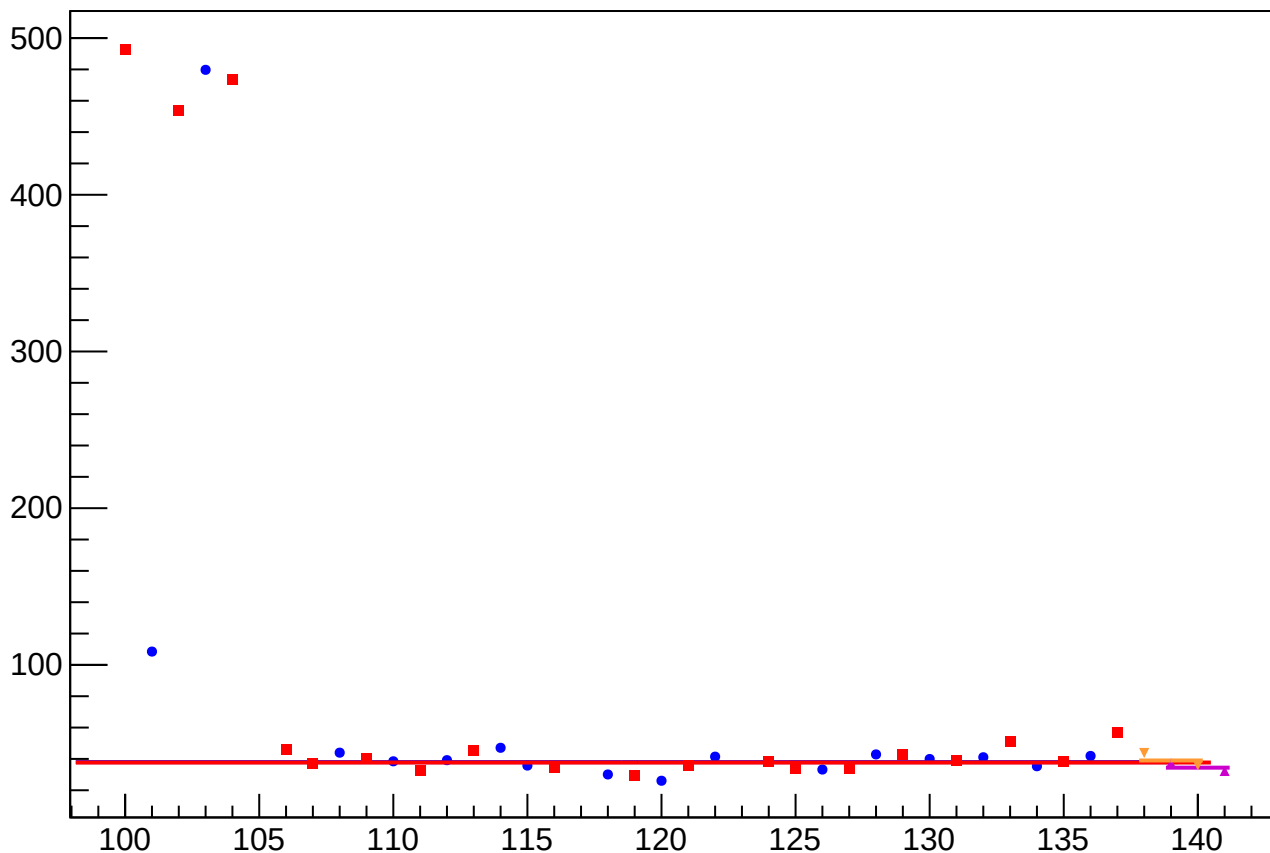
Left In: -0.002 ± 0.028 χ^2/NDF : 4.7/1

+ sign 0.031 ± 0.014 χ^2/NDF : 31.9/17

All: 0.013 ± 0.010 χ^2/NDF : 54.5/38

- sign -0.004 ± 0.014 χ^2/NDF : 19.6/20

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

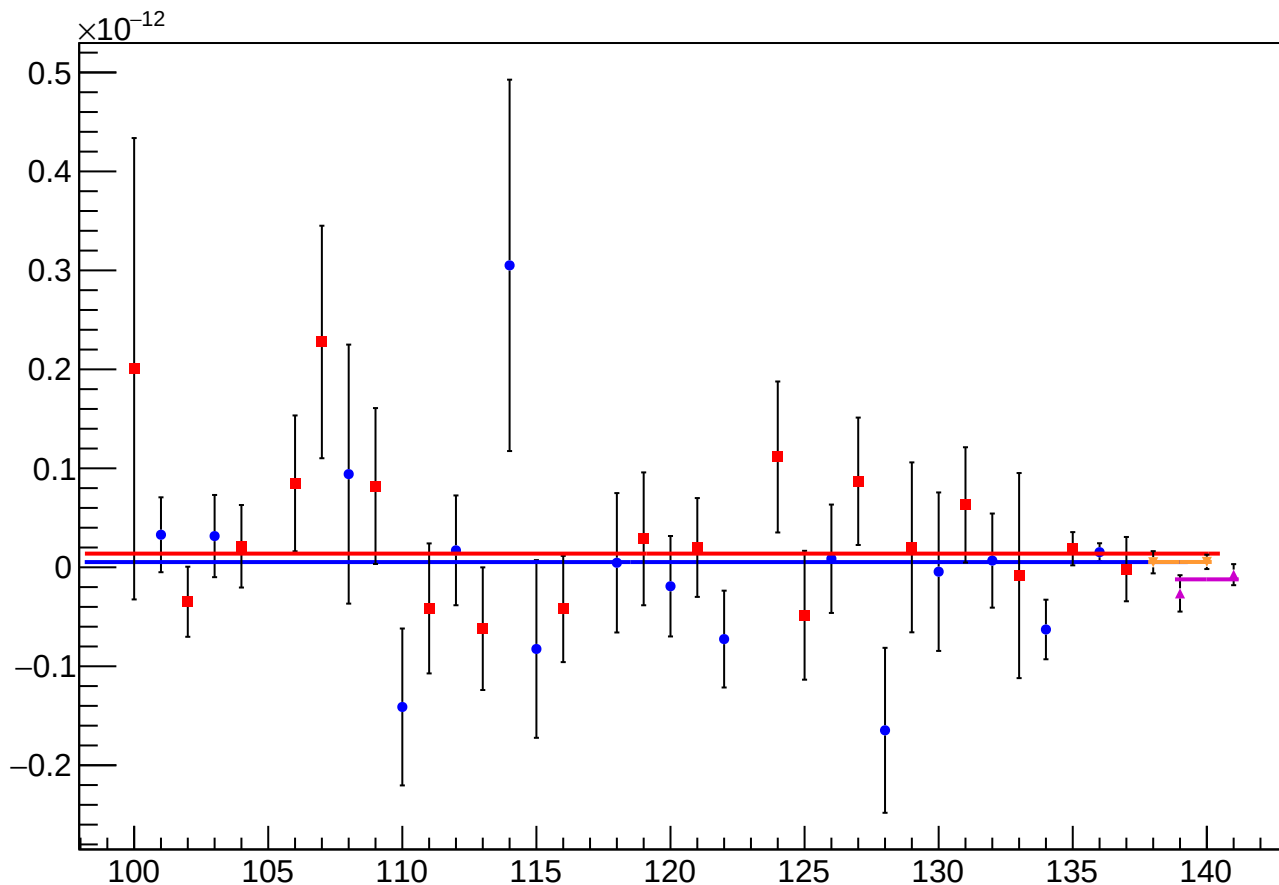
Left In: 34.413 $\pm$ 0.020 χ^2 /NDF: 15191.6/1

+ sign 38.136 $\pm$ 0.010 χ^2 /NDF: 1768664.1/17

All: 37.492 $\pm$ 0.007 χ^2 /NDF: 3757234.7/38

- sign 36.886 $\pm$ 0.010 χ^2 /NDF: 1980762.2/20

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

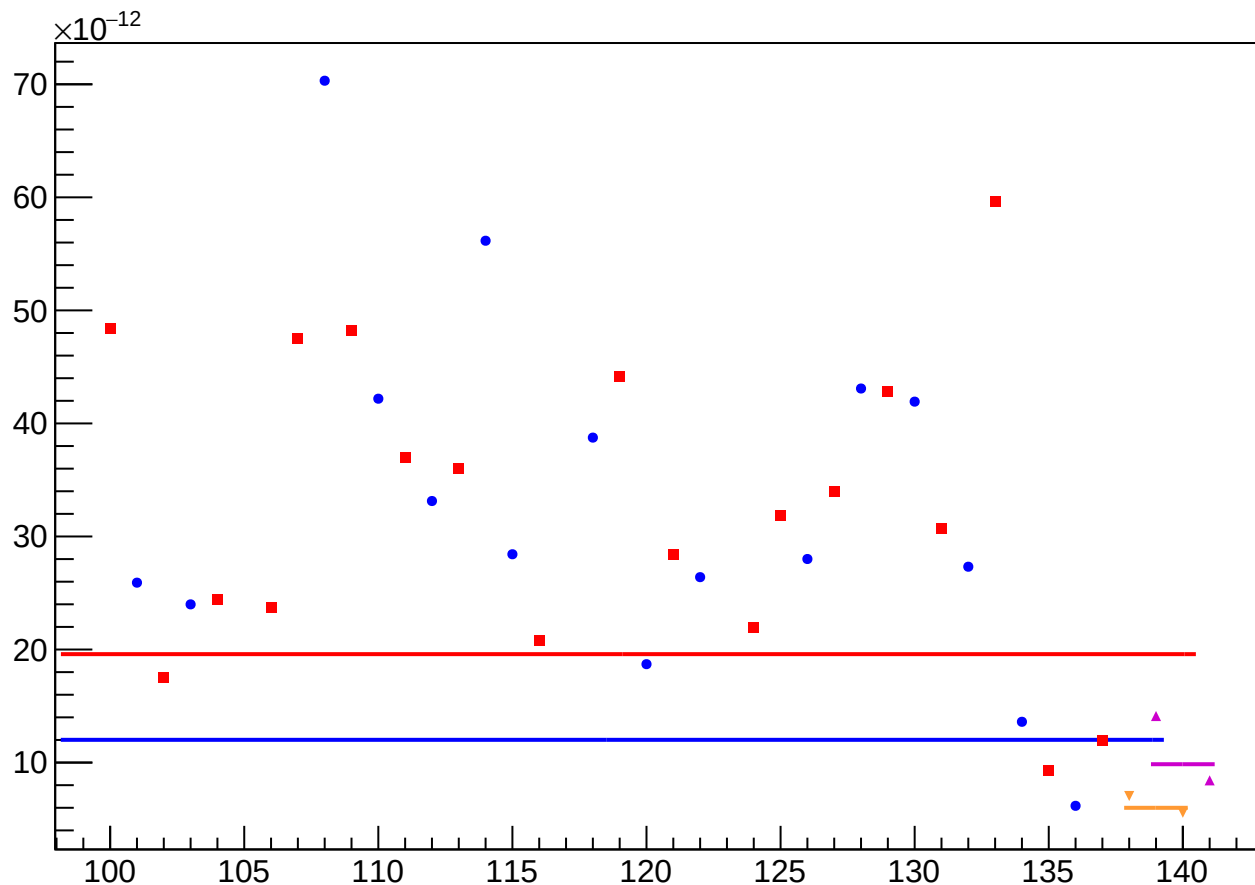
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 0.8/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 21.7/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 42.4/38

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 20.2/20

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3869196.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 24559.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2619469.9/18

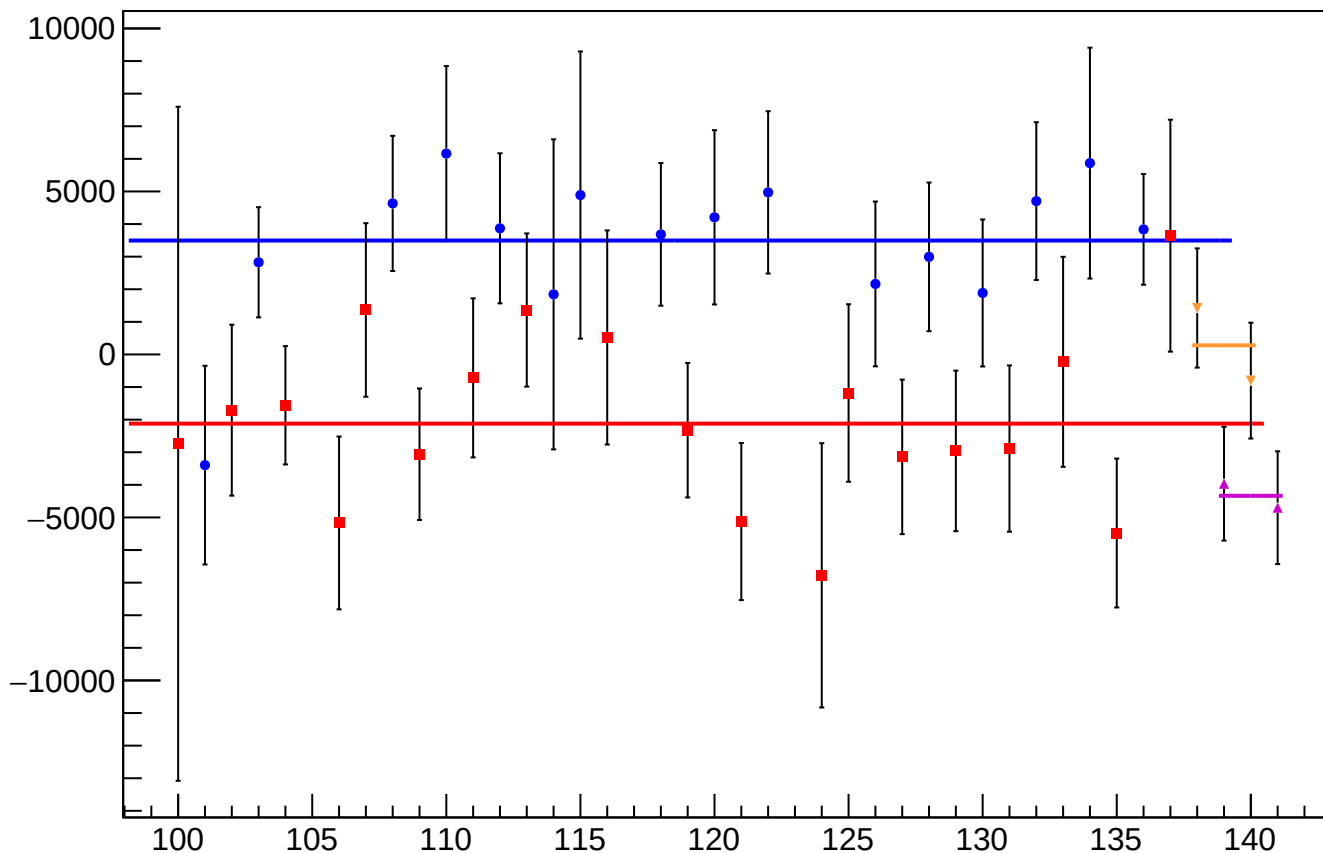
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 143420.8/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4661499.0/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9308700.6/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3728642.1/20

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF : 8.8/15

Left Out: 279.862+/-1274.169 χ^2/NDF : 0.8/1

Right Out: -2121.717+/-587.617 χ^2/NDF : 15.1/18

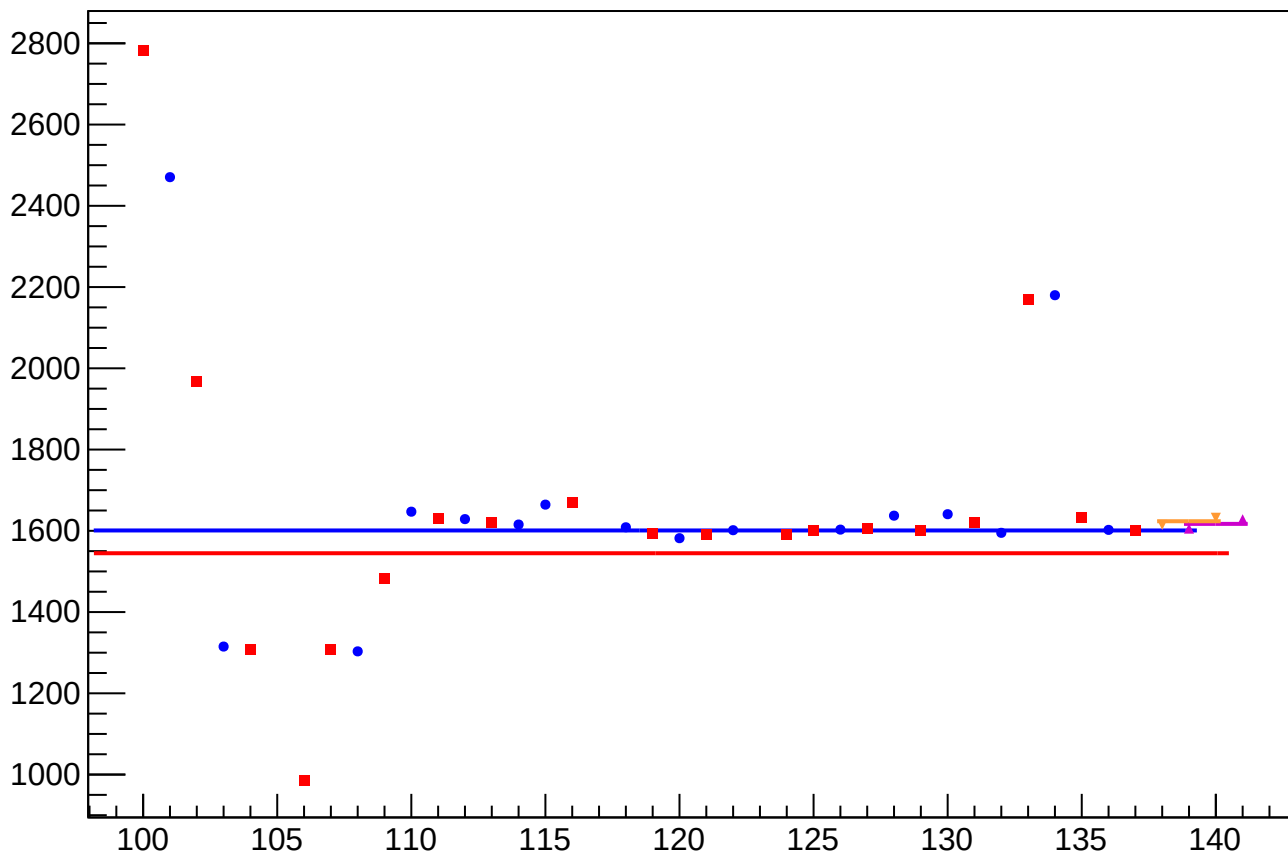
Left In: -4336.023+/-1228.887 χ^2/NDF : 0.1/1

+ sign 2909.069+/-543.704 χ^2/NDF : 14.8/17

All: 118.837+/-379.566 χ^2/NDF : 84.0/38

- sign -2533.791+/-530.128 χ^2/NDF : 17.8/20

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317414.0/15

Left Out: 1623.571+/-0.901 χ^2/NDF : 94.4/1

Right Out: 1544.809+/-0.409 χ^2/NDF : 376127.4/18

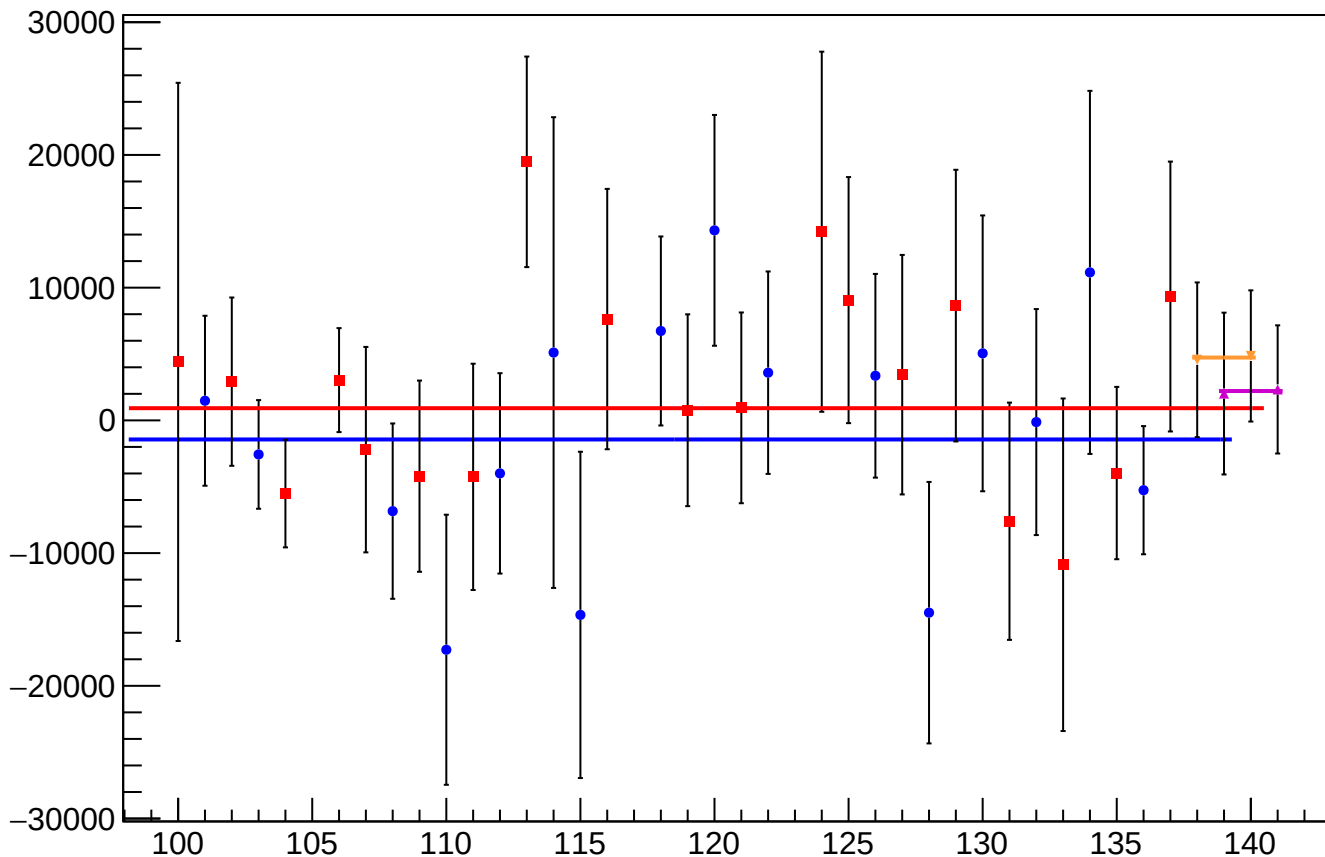
Left In: 1617.055+/-0.869 χ^2/NDF : 175.0/1

+ sign 1605.011+/-0.384 χ^2/NDF : 318027.2/17

All: 1580.532+/-0.266 χ^2/NDF : 707794.7/38

- sign 1557.890+/-0.370 χ^2/NDF : 381963.3/20

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF : 13.9/15

Left Out: 4733.427+/-3769.779 χ^2/NDF : 0.0/1

Right Out: 918.485+/-1669.278 χ^2/NDF : 15.3/18

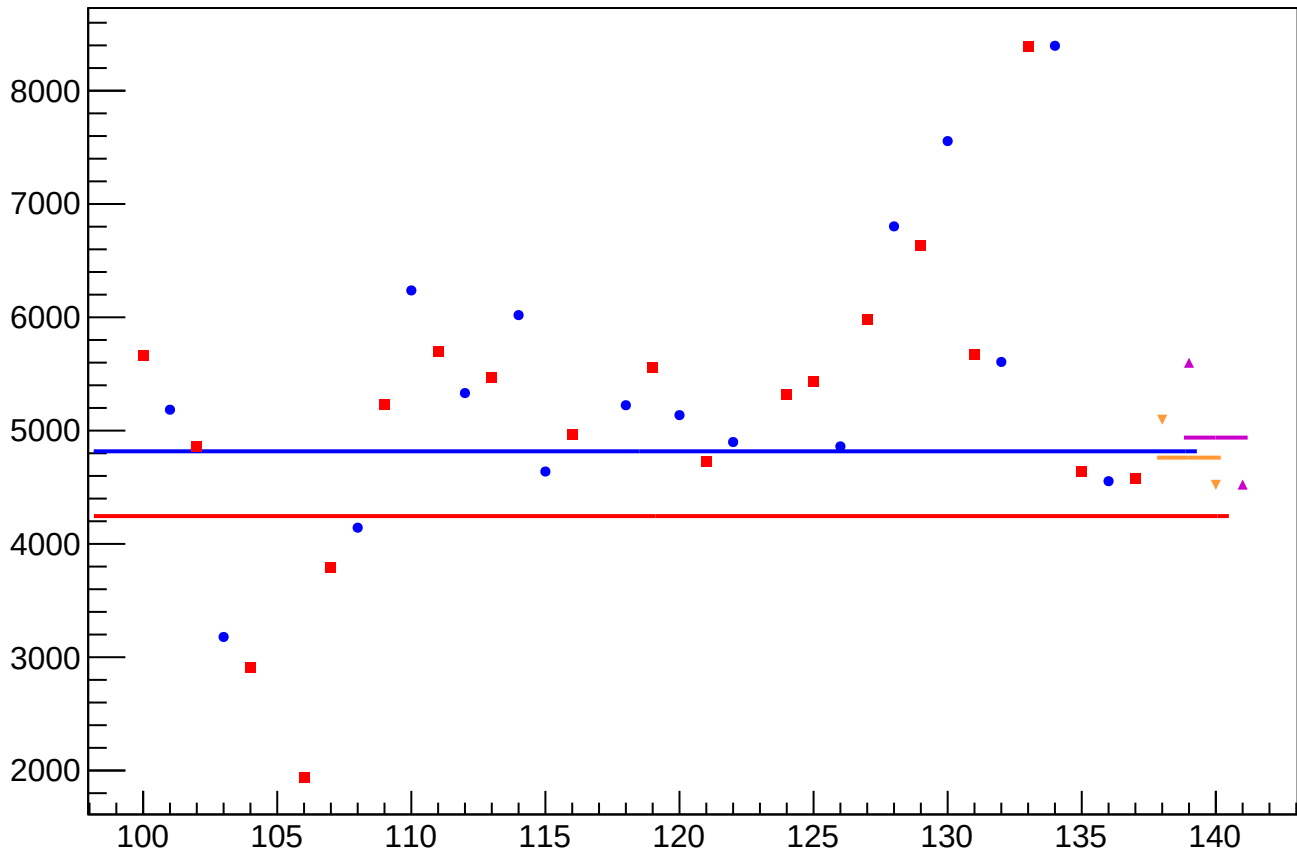
Left In: 2212.211+/-3785.032 χ^2/NDF : 0.0/1

+ sign -241.275+/-1659.553 χ^2/NDF : 16.0/17

All: 500.689+/-1123.831 χ^2/NDF : 31.8/38

- sign 1129.142+/-1527.340 χ^2/NDF : 15.4/20

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF : 795431.1/15

Left Out: 4761.552+/-2.666 χ^2/NDF : 11316.9/1

Right Out: 4245.533+/-1.180 χ^2/NDF : 1683159.2/18

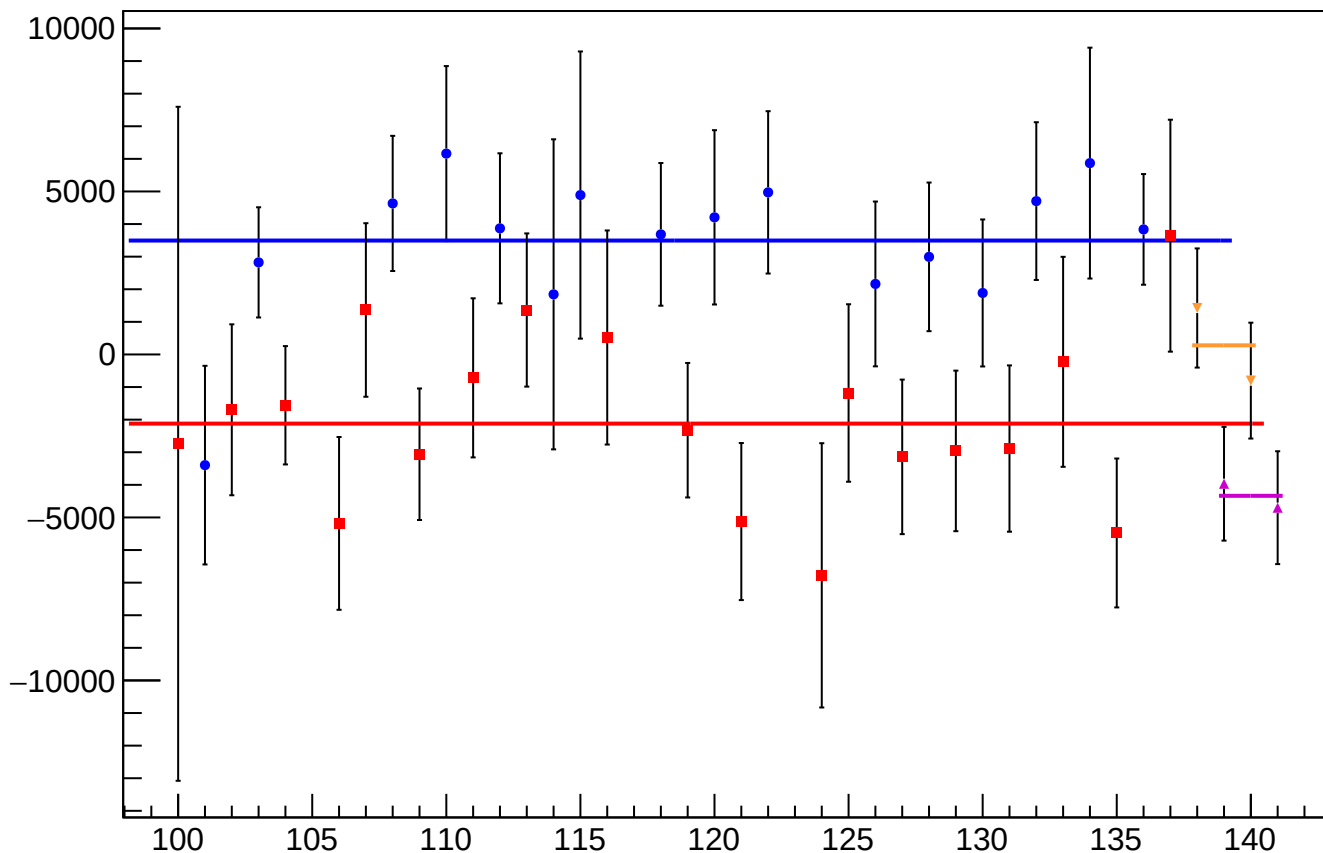
Left In: 4938.326+/-2.676 χ^2/NDF : 38248.2/1

+ sign 4806.531+/-1.173 χ^2/NDF : 807101.2/17

All: 4563.874+/-0.795 χ^2/NDF : 2663579.7/38

- sign 4358.340+/-1.080 χ^2/NDF : 1777500.8/20

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

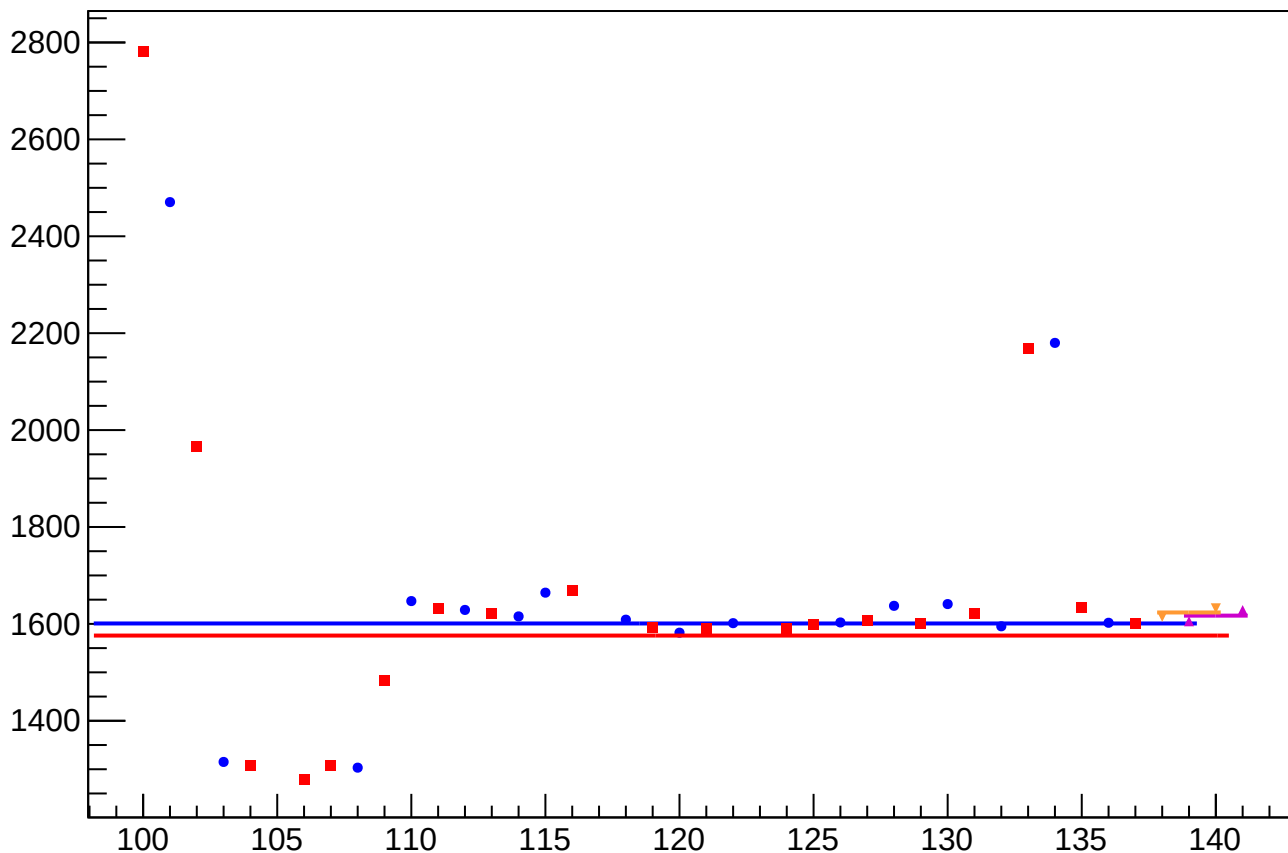
Left In: -4336.227 $\pm$ 1228.887 χ^2 /NDF:0.1/1

+ sign 2908.804 $\pm$ 543.704 χ^2 /NDF: 14.8/17

All: 118.702 $\pm$ 379.567 χ^2 /NDF: 84.0/38

- sign -2533.825 $\pm$ 530.130 χ^2 /NDF: 17.8/20

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880 ± 0.425 $\chi^2/\text{NDF}: 317413.1/15$

Left Out: 1623.571 ± 0.901 $\chi^2/\text{NDF}: 94.4/1$

Right Out: 1575.900 ± 0.414 $\chi^2/\text{NDF}: 243332.0/18$

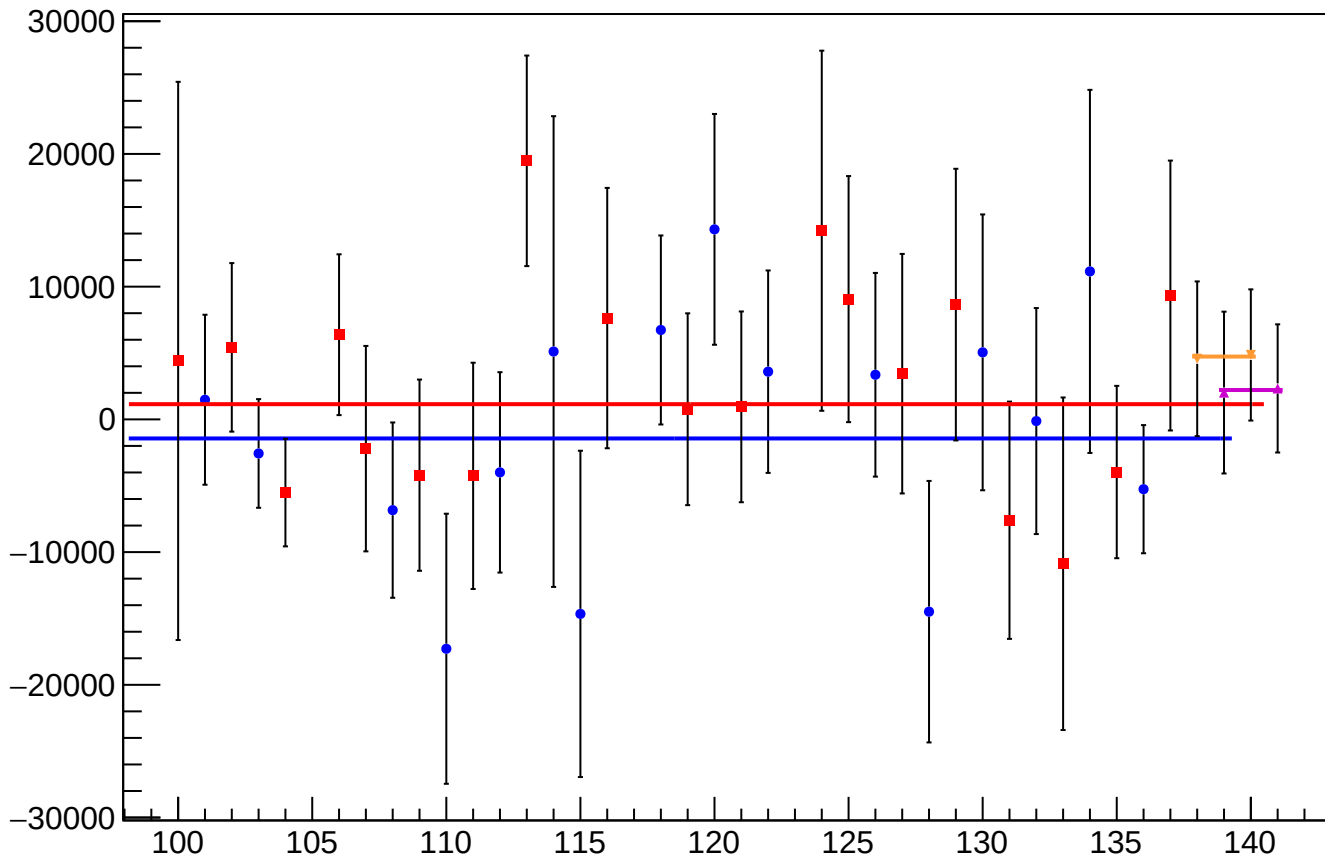
Left In: 1617.055 ± 0.869 $\chi^2/\text{NDF}: 175.0/1$

+ sign 1605.012 ± 0.384 $\chi^2/\text{NDF}: 318026.3/17$

All: 1593.955 ± 0.268 $\chi^2/\text{NDF}: 564970.1/38$

- sign 1583.510 ± 0.374 $\chi^2/\text{NDF}: 245335.3/20$

asym_usr_atr2_avg_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

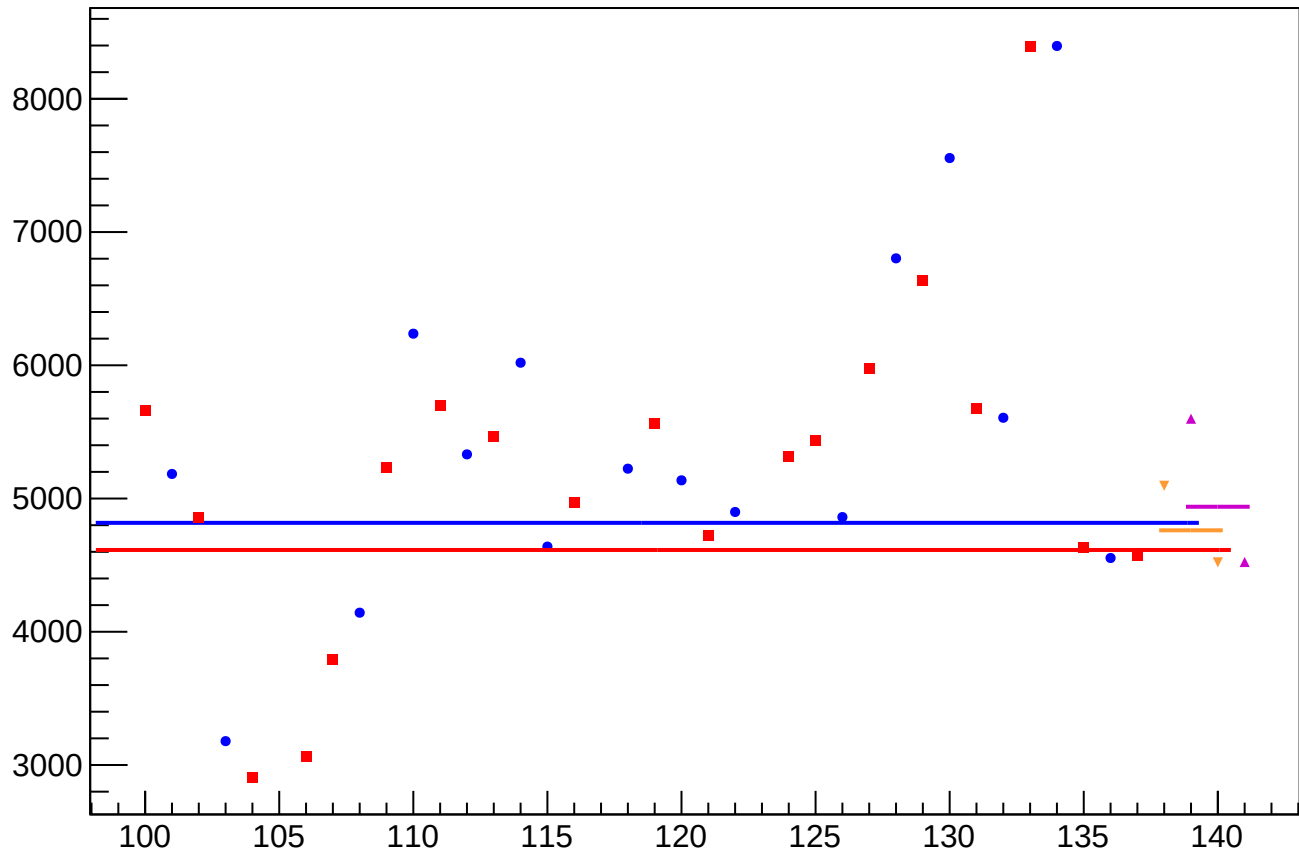
Left In: 2212.197 $\pm$ 3785.027 χ^2 /NDF: 0.0/1

+ sign -241.455 $\pm$ 1659.580 χ^2 /NDF: 16.0/17

All: 576.470 $\pm$ 1151.827 χ^2 /NDF: 32.8/38

- sign 1336.643 $\pm$ 1599.917 χ^2 /NDF: 16.3/20

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF : 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF : 11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF : 977958.2/18

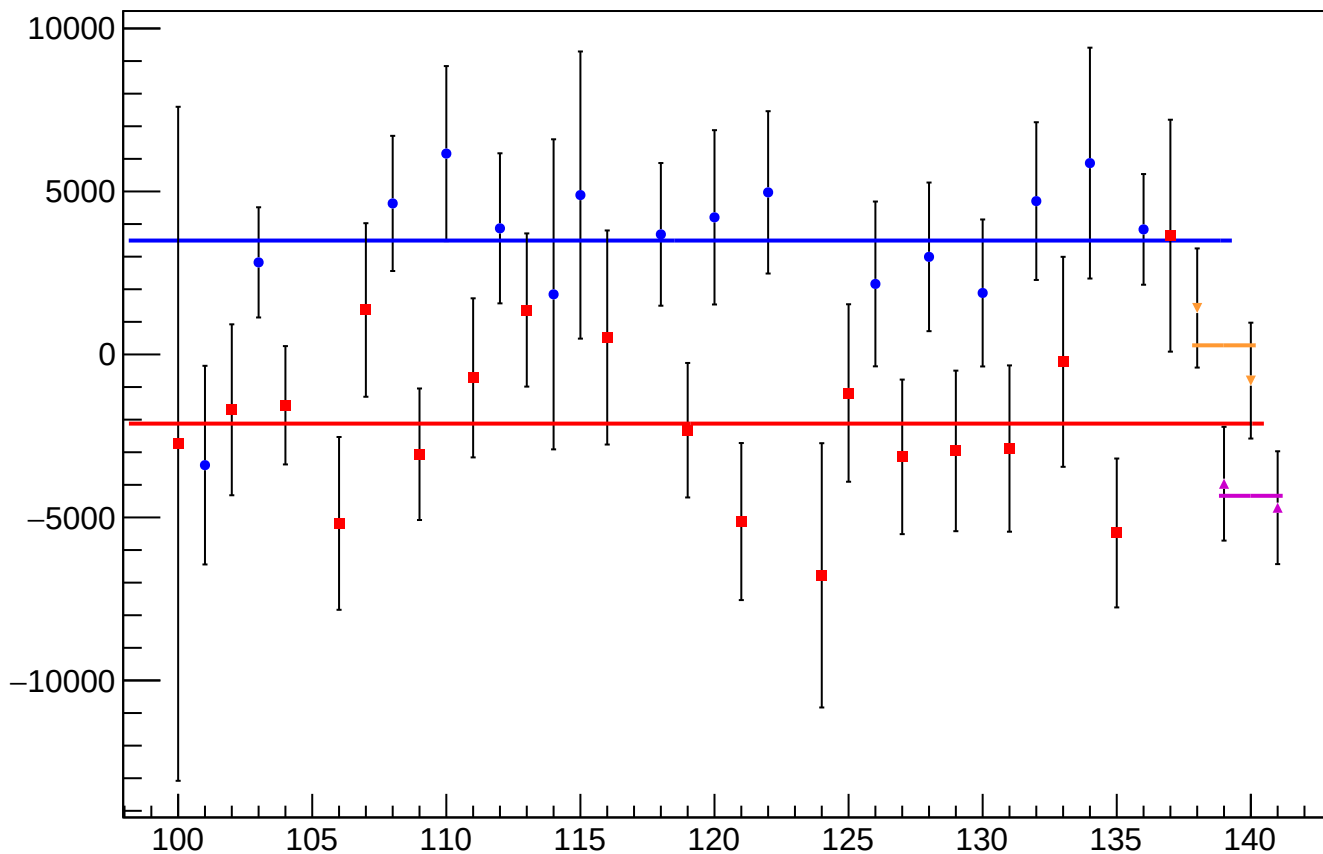
Left In: 4938.319+/-2.676 χ^2/NDF : 38249.0/1

+ sign 4806.638+/-1.173 χ^2/NDF : 806905.7/17

All: 4736.764+/-0.814 χ^2/NDF : 1842024.6/38

- sign 4671.824+/-1.131 χ^2/NDF : 1028278.5/20

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

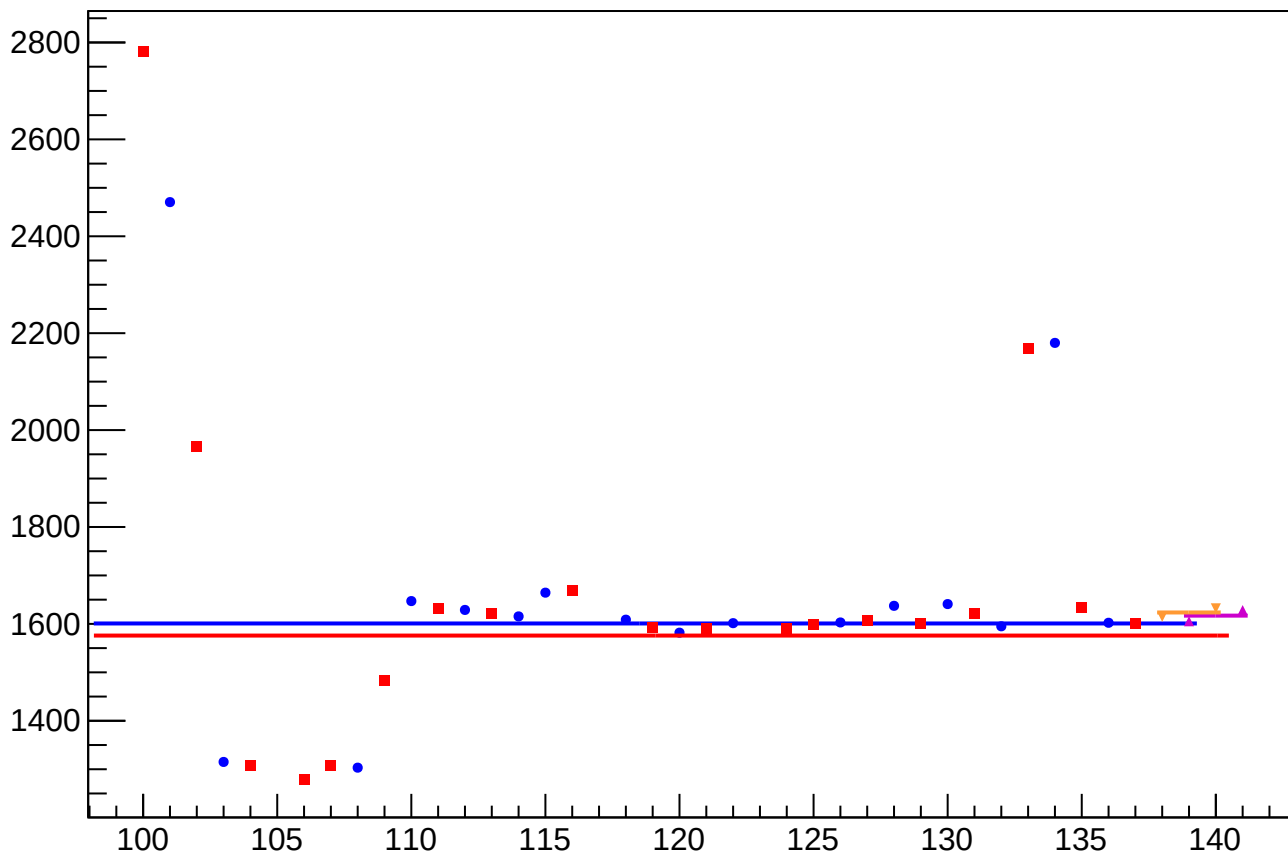
Left In: -4336.227 $\pm$ 1228.887 χ^2 /NDF: 0.1/1

+ sign 2908.804 $\pm$ 543.704 χ^2 /NDF: 14.8/17

All: 118.702 $\pm$ 379.567 χ^2 /NDF: 84.0/38

- sign -2533.825 $\pm$ 530.130 χ^2 /NDF: 17.8/20

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF : 94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF : 243332.0/18

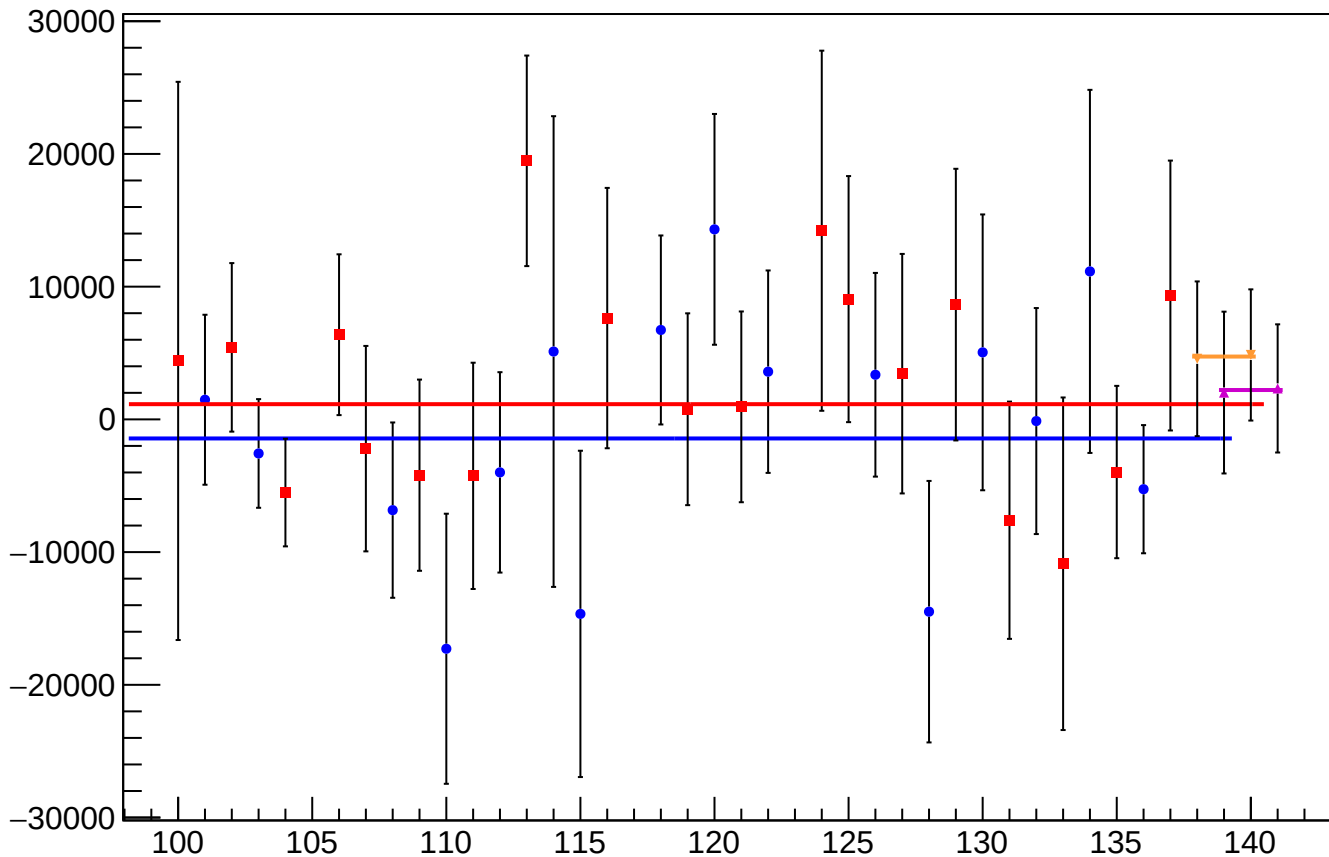
Left In: 1617.055+/-0.869 χ^2/NDF : 175.0/1

+ sign 1605.012+/-0.384 χ^2/NDF : 318026.3/17

All: 1593.955+/-0.268 χ^2/NDF : 564970.1/38

- sign 1583.510+/-0.374 χ^2/NDF : 245335.3/20

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

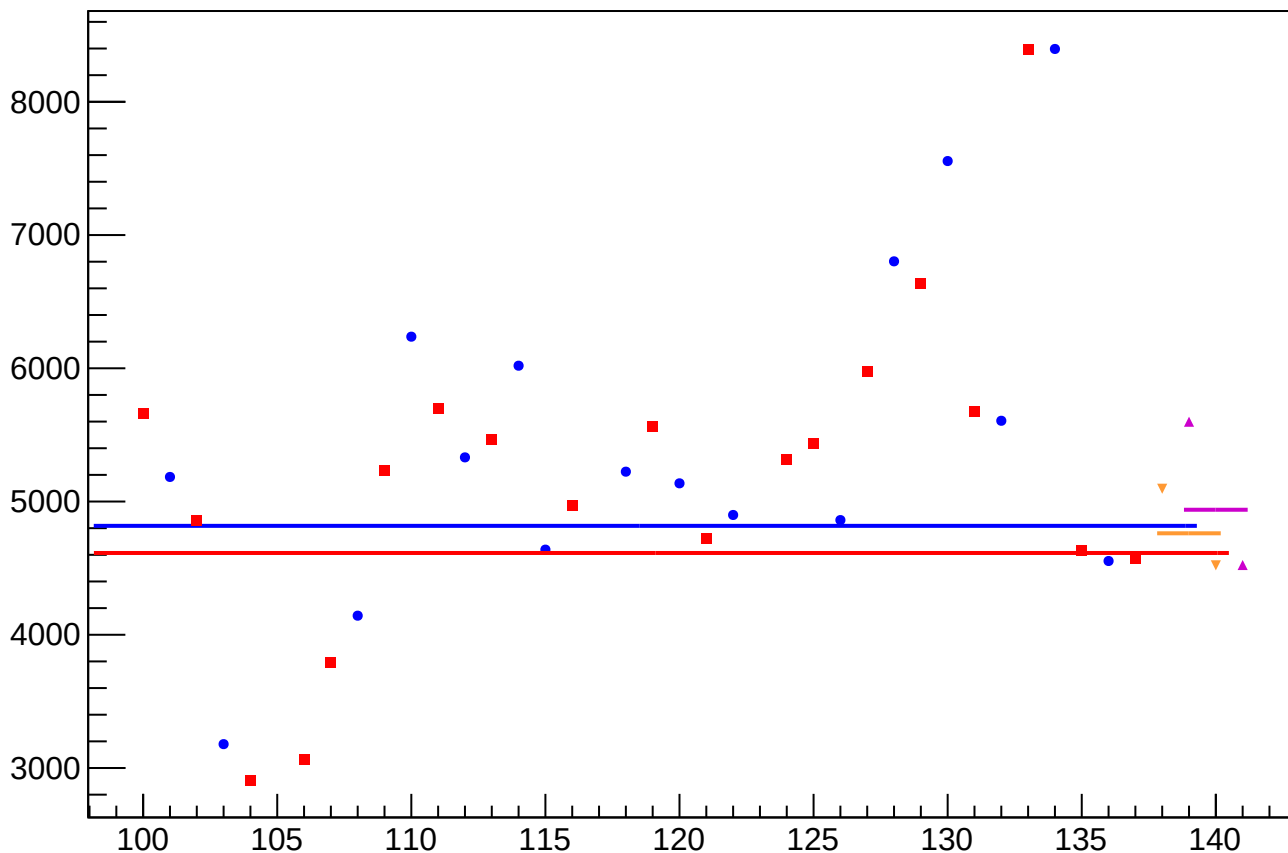
Left In: 2212.197 $\pm$ 3785.027 χ^2 /NDF: 0.0/1

+ sign -241.455 $\pm$ 1659.580 χ^2 /NDF: 16.0/17

All: 576.470 $\pm$ 1151.827 χ^2 /NDF: 32.8/38

- sign 1336.643 $\pm$ 1599.917 χ^2 /NDF: 16.3/20

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

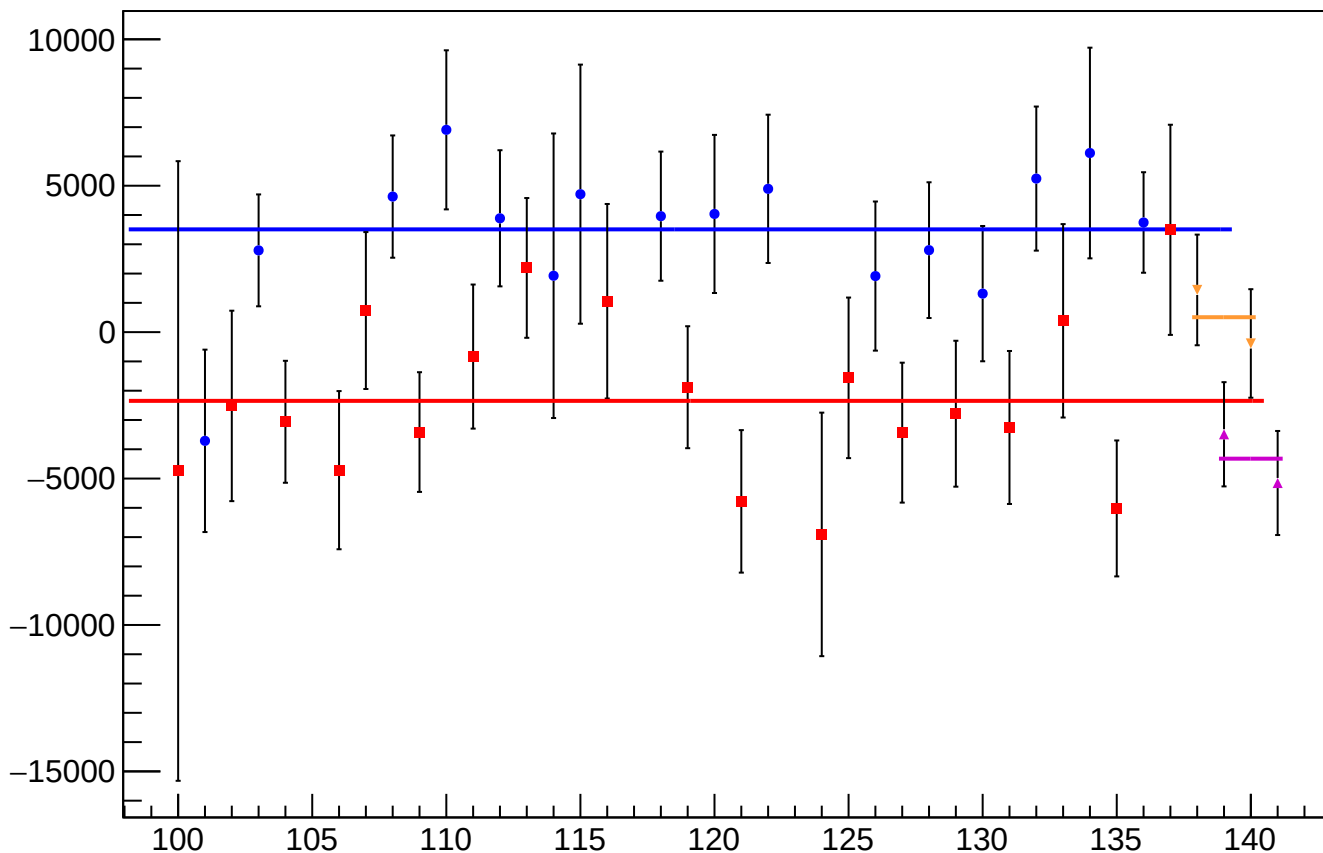
Left In: 4938.319+/-2.676 χ^2/NDF : 38249.0/1

+ sign 4806.638+/-1.173 χ^2/NDF : 806905.7/17

All: 4736.764+/-0.814 χ^2/NDF : 1842024.6/38

- sign 4671.824+/-1.131 χ^2/NDF : 1028278.5/20

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

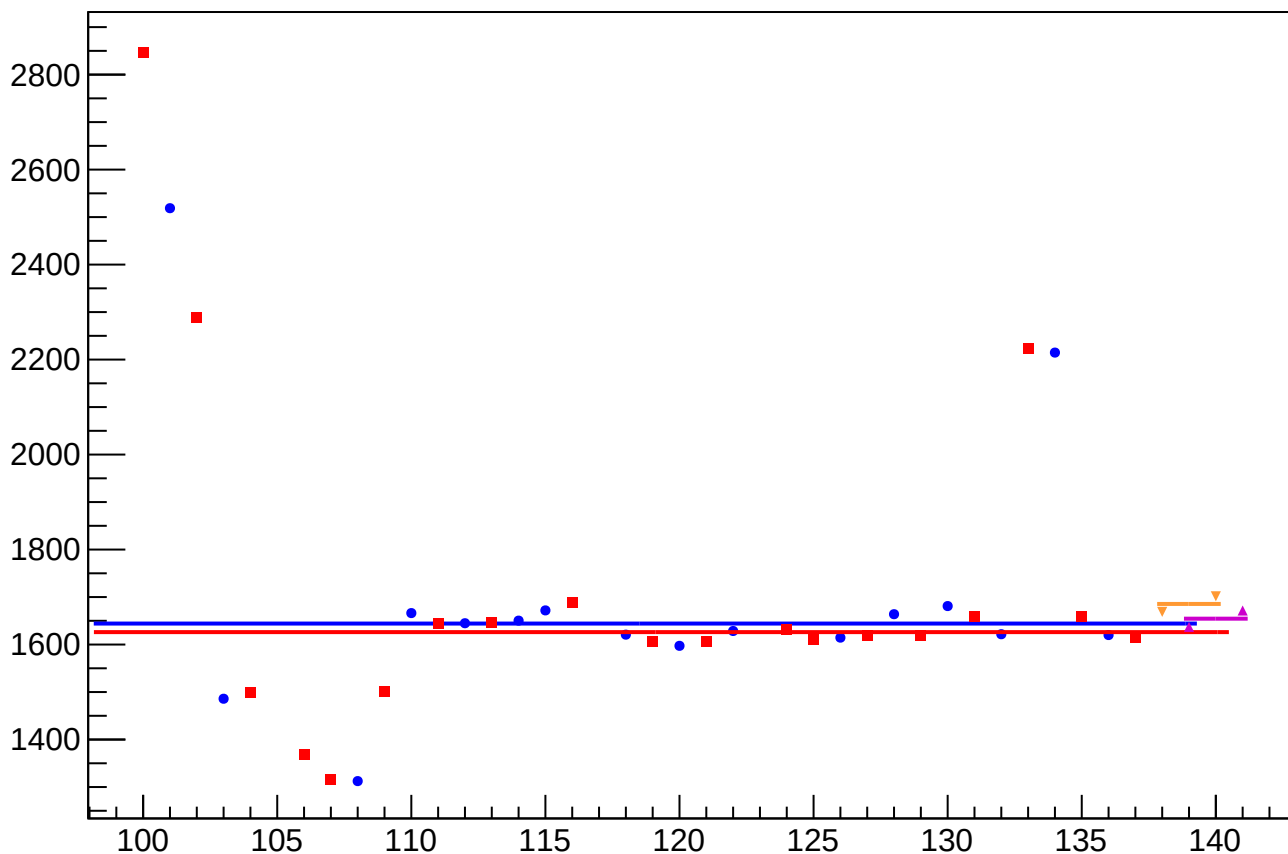
Left In: -4321.213 $\pm$ 1257.450 χ^2 /NDF: 0.4/1

+ sign 2974.032 $\pm$ 558.978 χ^2 /NDF: 15.1/17

All: 65.155 $\pm$ 390.957 χ^2 /NDF: 87.6/38

- sign -2720.481 $\pm$ 547.009 χ^2 /NDF: 19.5/20

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF : 274817.9/15

Left Out: 1685.490+/-0.936 χ^2/NDF : 306.0/1

Right Out: 1626.174+/-0.429 χ^2/NDF : 237639.1/18

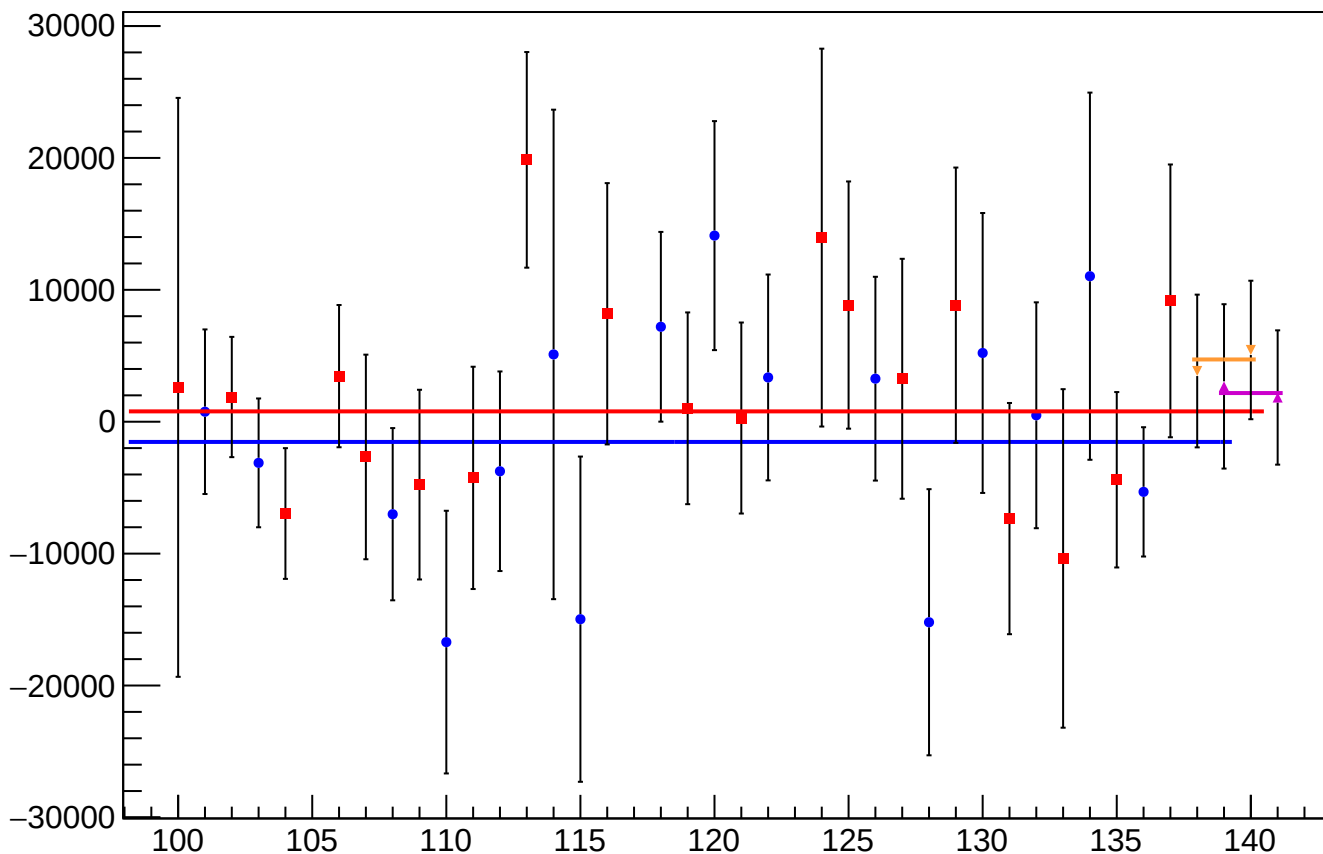
Left In: 1654.482+/-0.889 χ^2/NDF : 374.9/1

+ sign 1651.569+/-0.395 χ^2/NDF : 276724.3/17

All: 1641.322+/-0.276 χ^2/NDF : 516875.1/38

- sign 1631.524+/-0.387 χ^2/NDF : 238836.1/20

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF : 13.9/15

Left Out: 4720.648+/-3889.152 χ^2/NDF : 0.0/1

Right Out: 784.235+/-1748.566 χ^2/NDF : 15.0/18

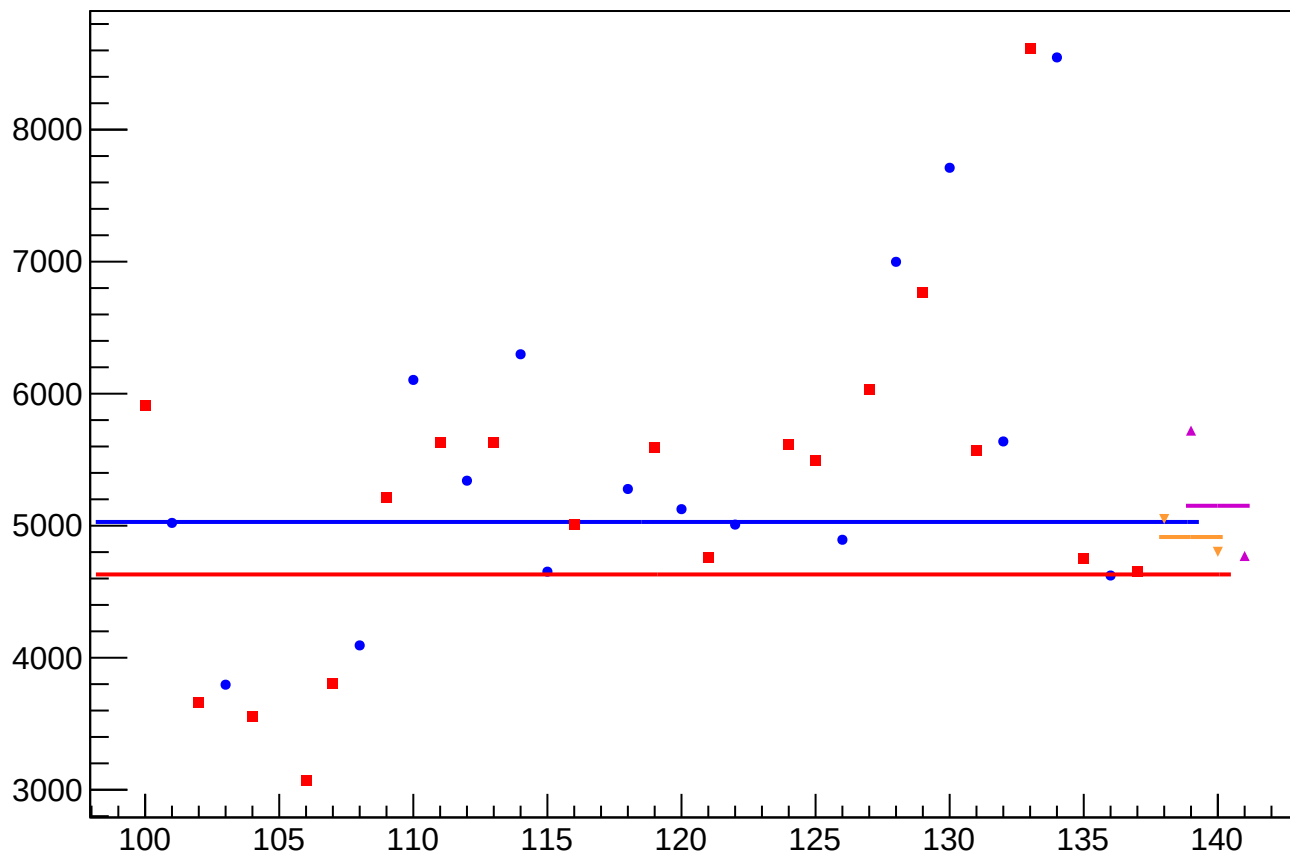
Left In: 2174.182+/-3942.647 χ^2/NDF : 0.0/1

+ sign -313.175+/-1717.155 χ^2/NDF : 16.0/17

All: 397.179+/-1169.979 χ^2/NDF : 31.5/38

- sign 1012.692+/-1598.419 χ^2/NDF : 15.2/20

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF : 565469.4/15

Left Out: 4914.414+/-2.750 χ^2/NDF : 2018.3/1

Right Out: 4630.901+/-1.236 χ^2/NDF : 863515.0/18

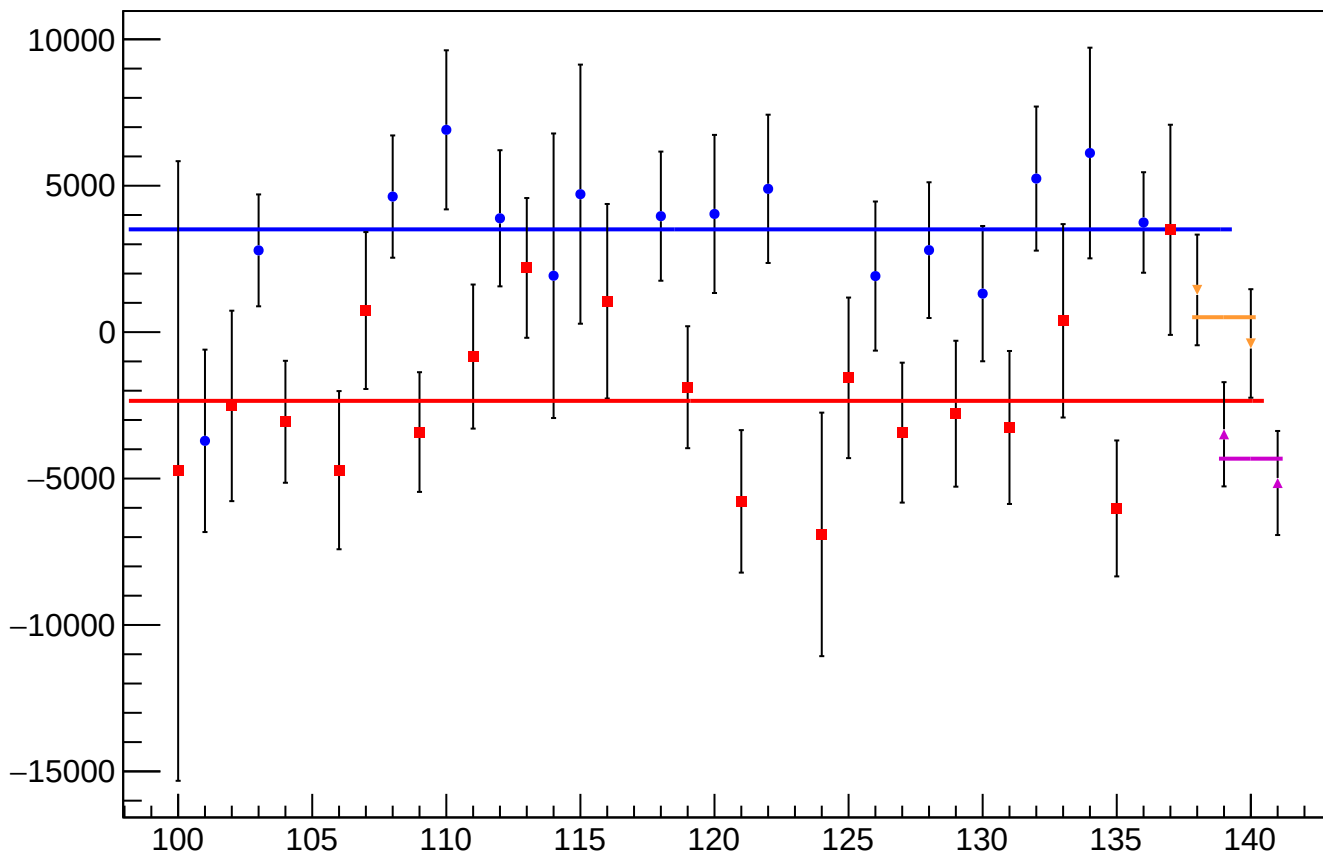
Left In: 5151.014+/-2.788 χ^2/NDF : 27852.6/1

+ sign 5006.219+/-1.214 χ^2/NDF : 568872.1/17

All: 4850.938+/-0.827 χ^2/NDF : 1519850.7/38

- sign 4716.389+/-1.130 χ^2/NDF : 920452.4/20

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

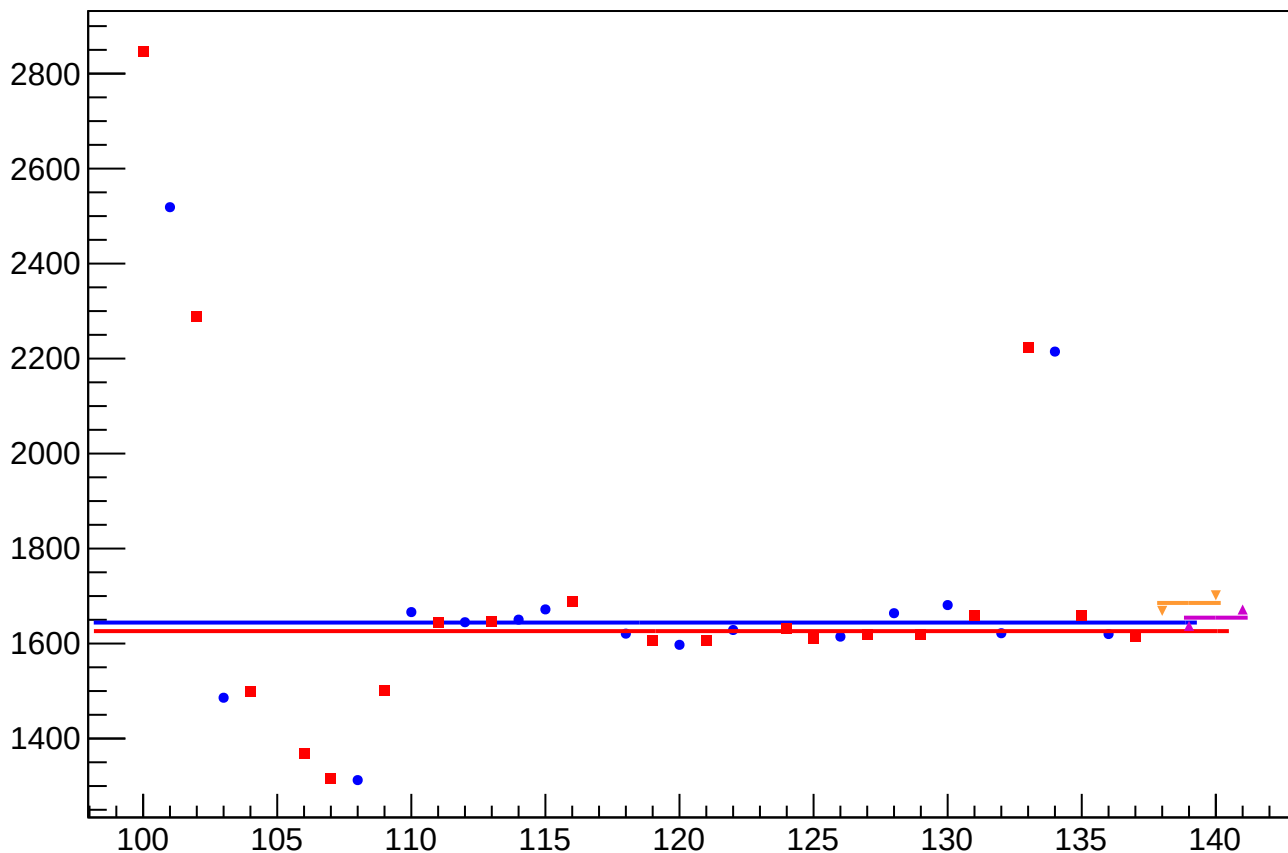
Left In: -4321.190 $\pm$ 1257.451 χ^2 /NDF: 0.4/1

+ sign 2974.033 $\pm$ 558.978 χ^2 /NDF: 15.1/17

All: 65.156 $\pm$ 390.957 χ^2 /NDF: 87.6/38

- sign -2720.481 $\pm$ 547.009 χ^2 /NDF: 19.5/20

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF : 274818.1/15

Left Out: 1685.490+/-0.936 χ^2/NDF : 306.0/1

Right Out: 1626.174+/-0.429 χ^2/NDF : 237638.8/18

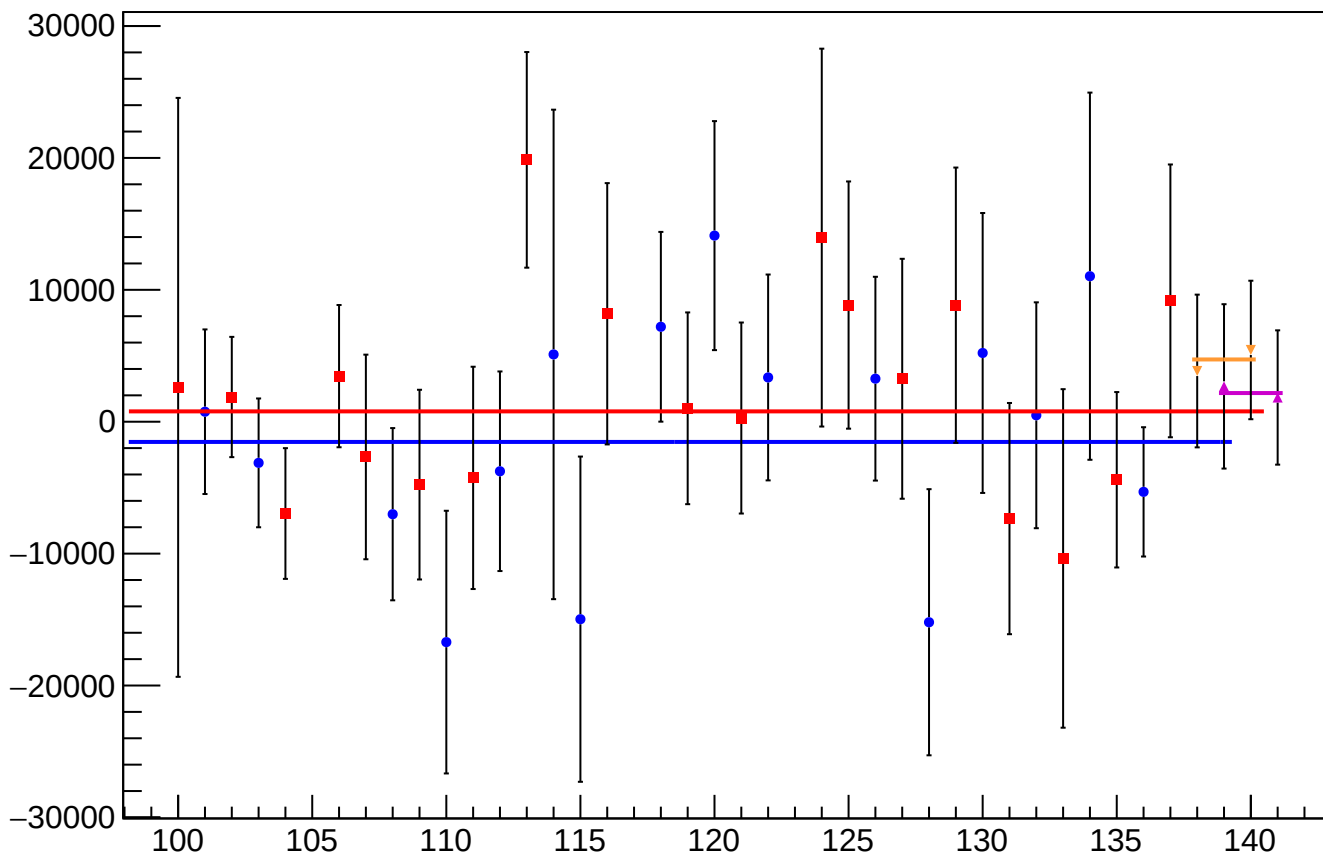
Left In: 1654.482+/-0.889 χ^2/NDF : 374.9/1

+ sign 1651.568+/-0.395 χ^2/NDF : 276724.5/17

All: 1641.322+/-0.276 χ^2/NDF : 516874.9/38

- sign 1631.523+/-0.387 χ^2/NDF : 238835.7/20

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095+/-1913.796 χ^2/NDF : 13.9/15

Left Out: 4720.646+/-3889.156 χ^2/NDF : 0.0/1

Right Out: 784.236+/-1748.563 χ^2/NDF : 15.0/18

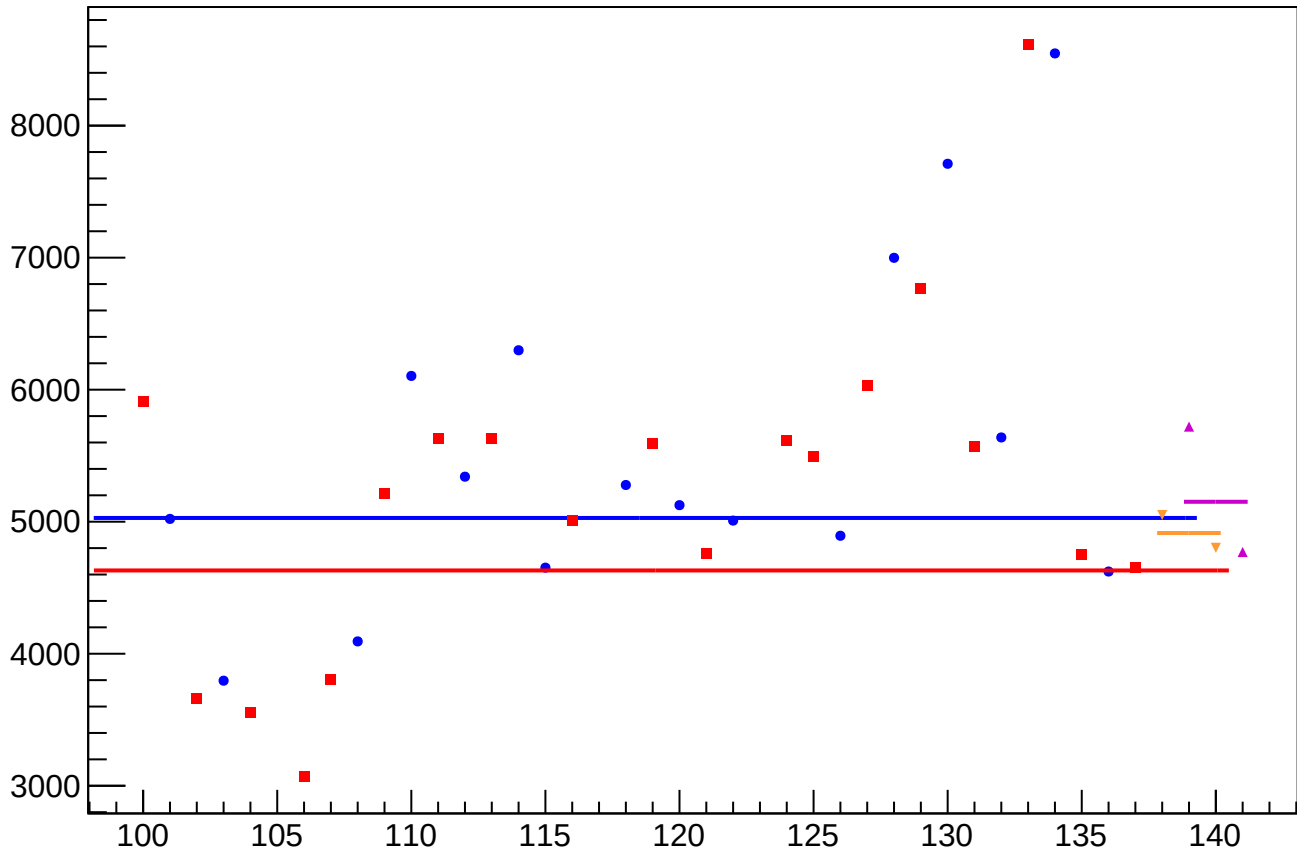
Left In: 2174.203+/-3942.652 χ^2/NDF : 0.0/1

+ sign -313.168+/-1717.153 χ^2/NDF : 16.0/17

All: 397.184+/-1169.978 χ^2/NDF : 31.5/38

- sign 1012.695+/-1598.417 χ^2/NDF : 15.2/20

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF : 565463.1/15

Left Out: 4914.419+/-2.750 χ^2/NDF : 2018.5/1

Right Out: 4630.895+/-1.236 χ^2/NDF : 863509.0/18

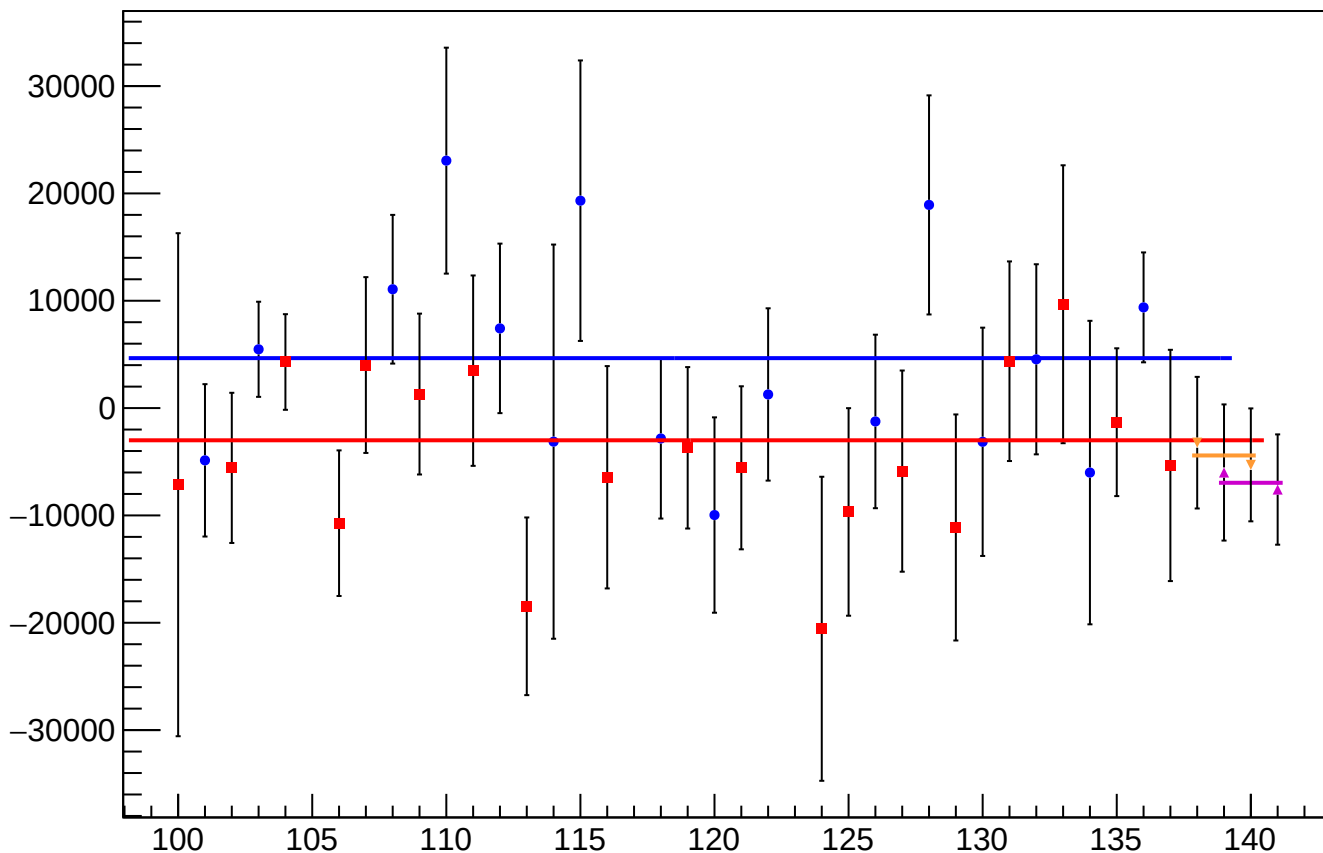
Left In: 5151.019+/-2.788 χ^2/NDF : 27853.4/1

+ sign 5006.215+/-1.214 χ^2/NDF : 568865.6/17

All: 4850.933+/-0.827 χ^2/NDF : 1519840.6/38

- sign 4716.384+/-1.130 χ^2/NDF : 920448.5/20

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

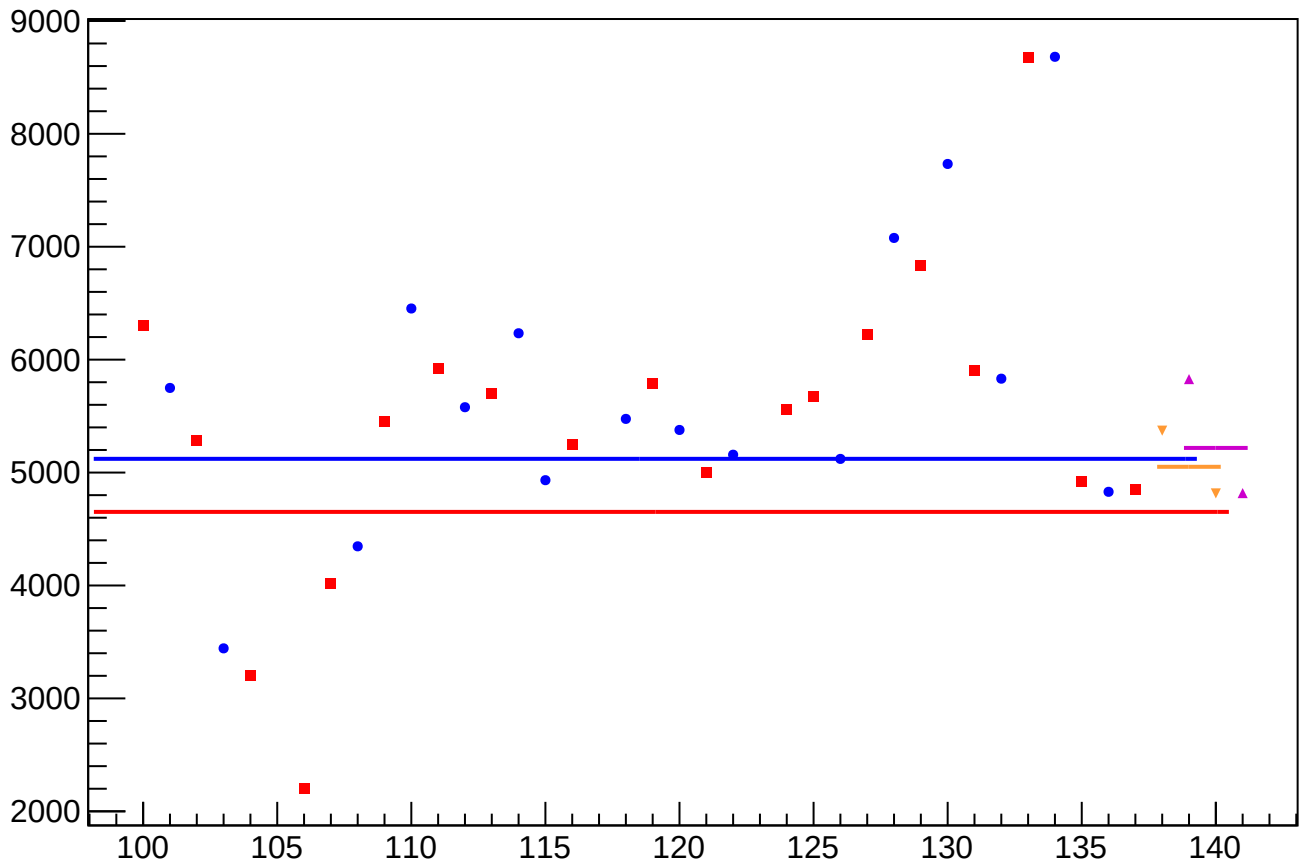
Left In: -6960.212 $\pm$ 3992.757 χ^2 /NDF: 0.0/1

+ sign 2894.380 $\pm$ 1758.321 χ^2 /NDF: 19.7/17

All: -519.182 $\pm$ 1223.283 χ^2 /NDF: 41.8/38

- sign -3721.227 $\pm$ 1702.974 χ^2 /NDF: 14.7/20

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF : 720370.1/15

Left Out: 5051.078+/-2.823 χ^2/NDF : 9464.8/1

Right Out: 4651.727+/-1.280 χ^2/NDF : 1344868.0/18

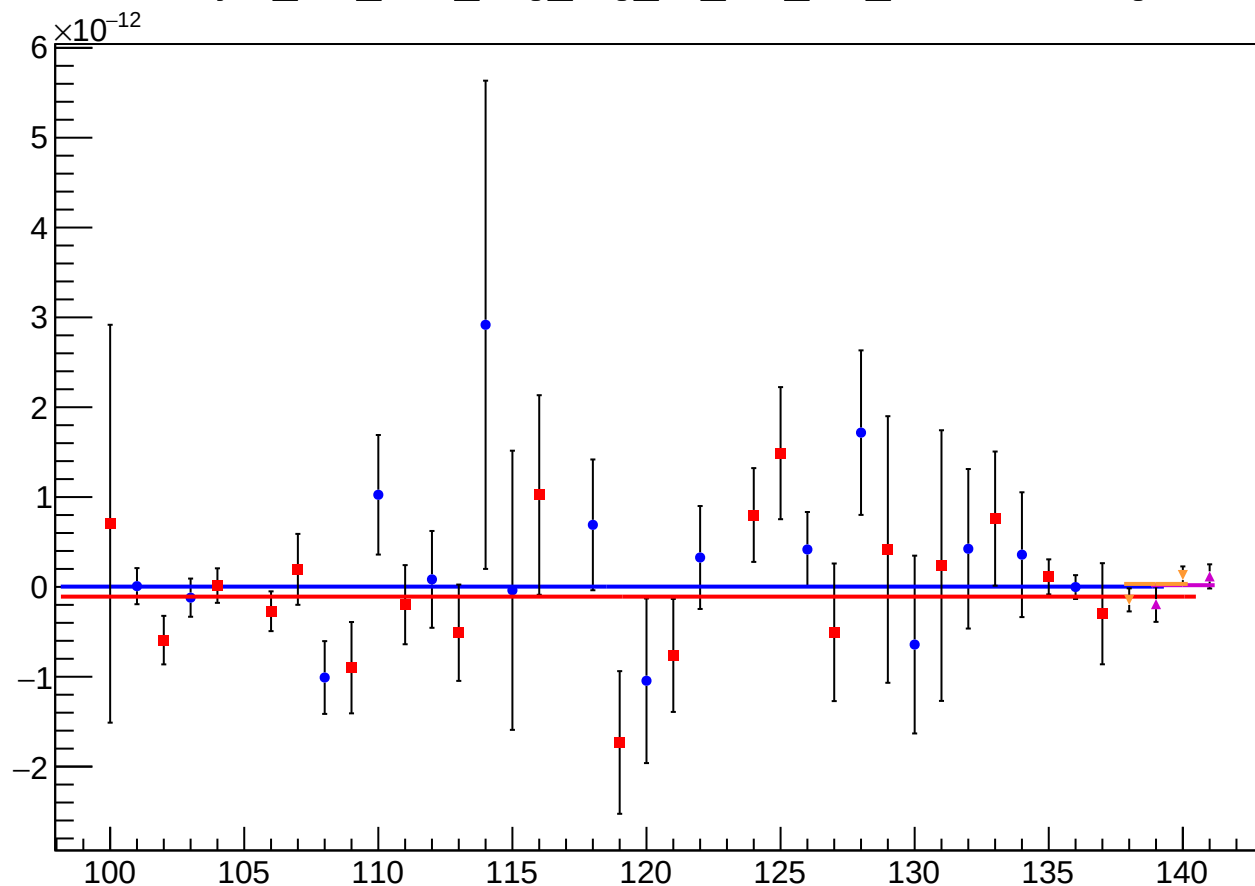
Left In: 5218.189+/-2.823 χ^2/NDF : 30588.9/1

+ sign 5107.956+/-1.243 χ^2/NDF : 730338.5/17

All: 4916.633+/-0.851 χ^2/NDF : 2183690.7/38

- sign 4748.352+/-1.166 χ^2/NDF : 1408845.7/20

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/18

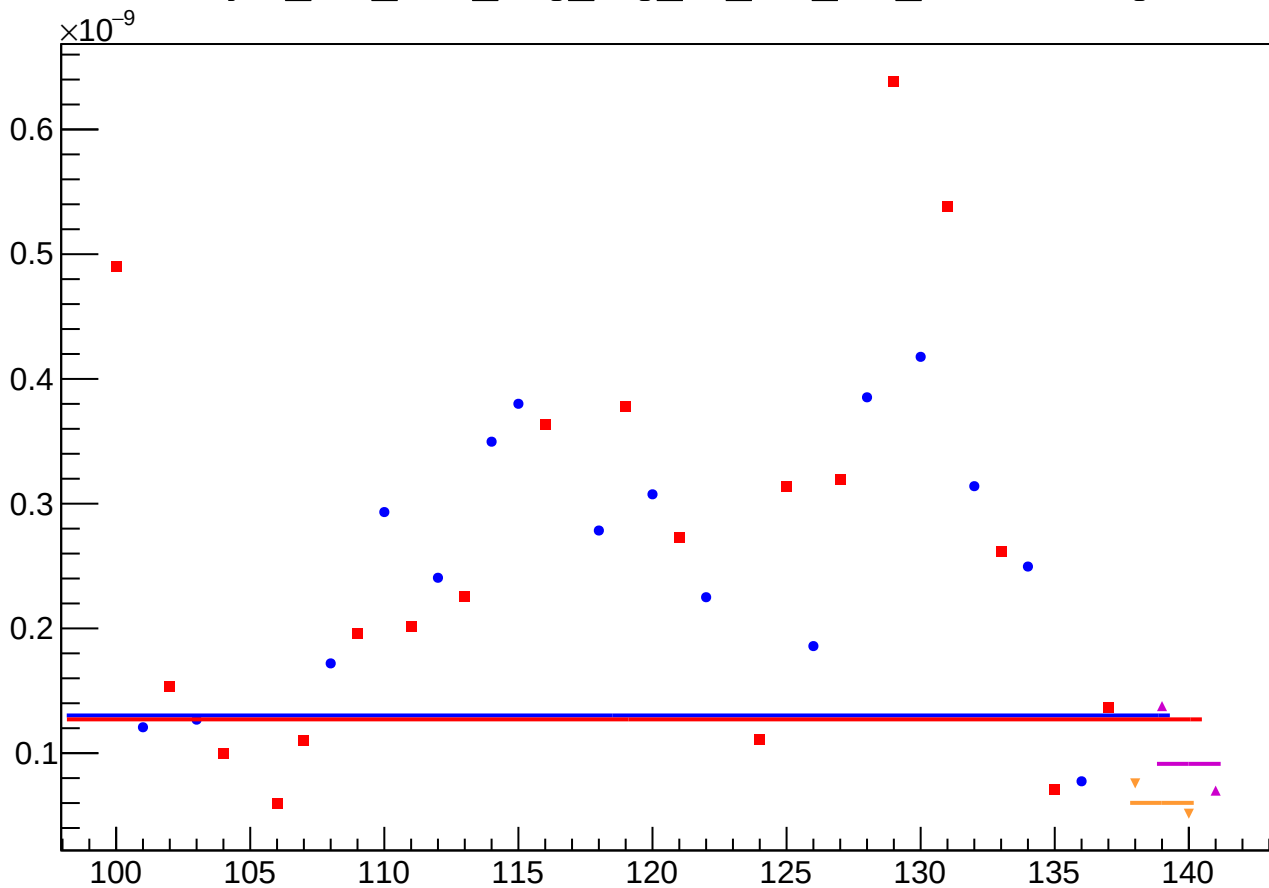
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 49.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/20

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

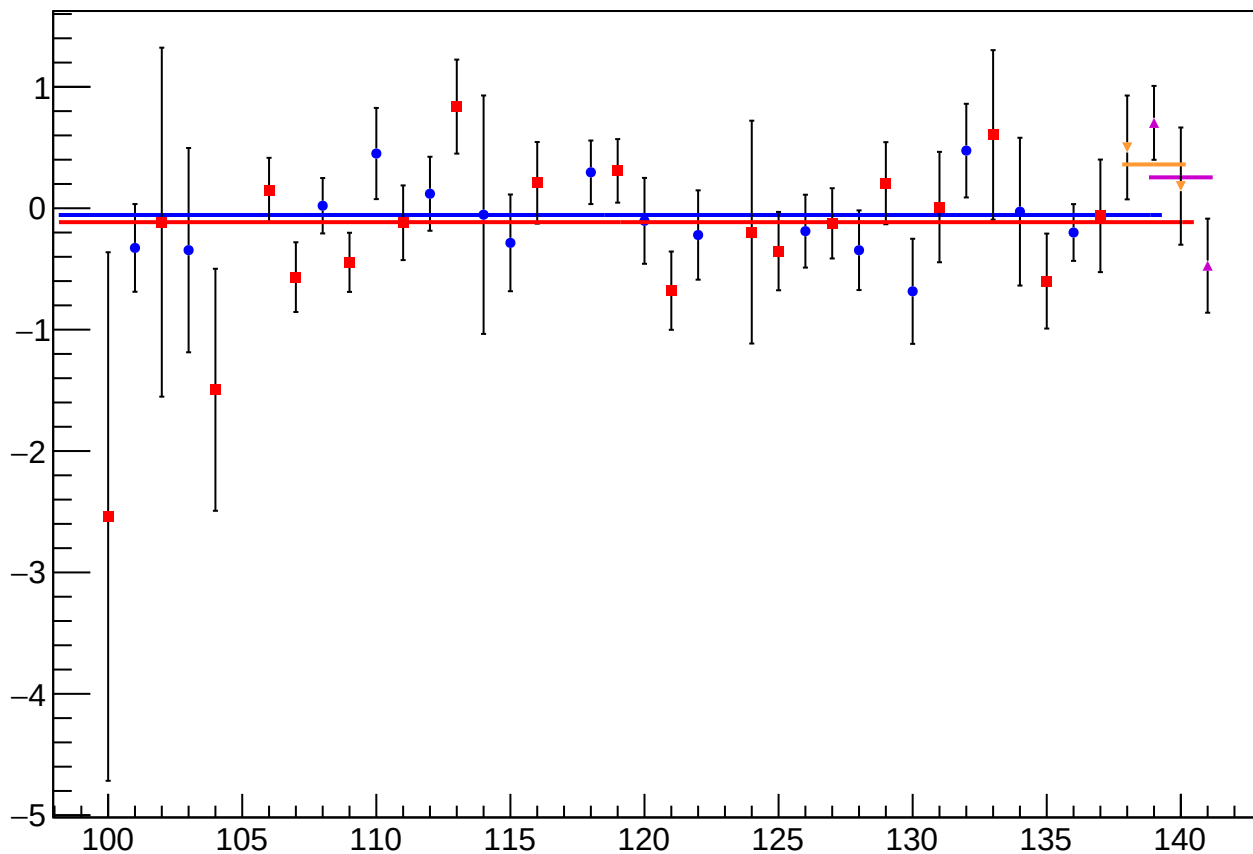
Left In: 0.000+/-0.000 χ^2/NDF : 160917.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2109164.6/17

All: 0.000+/-0.000 χ^2/NDF : 4248037.4/38

- sign 0.000+/-0.000 χ^2/NDF : 2020108.9/20

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055 ± 0.085 χ^2/NDF : 10.7/15

Left Out: 0.361 ± 0.320 χ^2/NDF : 0.2/1

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

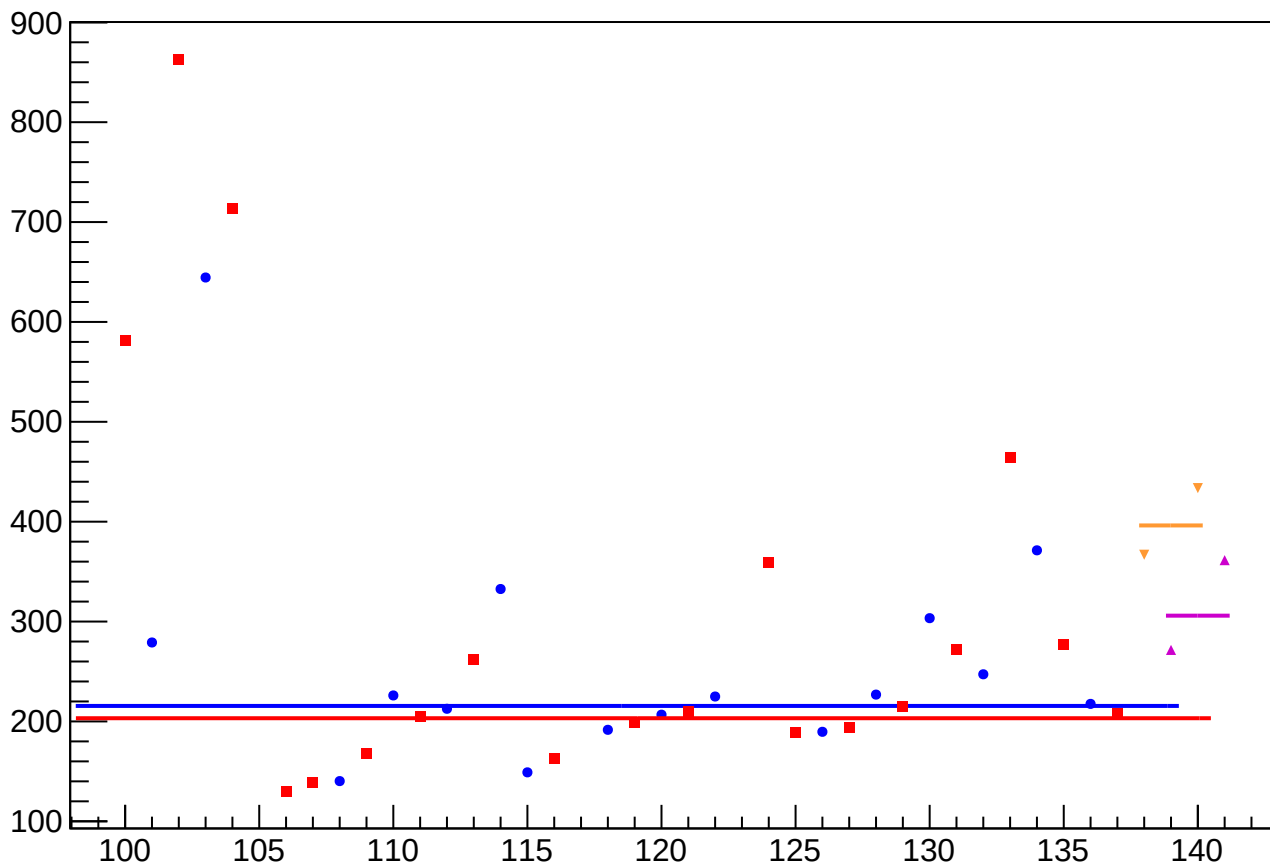
Left In: 0.255 ± 0.239 χ^2/NDF : 5.7/1

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.052 ± 0.057 χ^2/NDF : 45.7/38

- sign -0.075 ± 0.079 χ^2/NDF : 33.1/20

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF : 1148727.3/15

Left Out: 396.237+/-0.226 χ^2/NDF : 21398.2/1

Right Out: 203.207+/-0.059 χ^2/NDF : 1835552.6/18

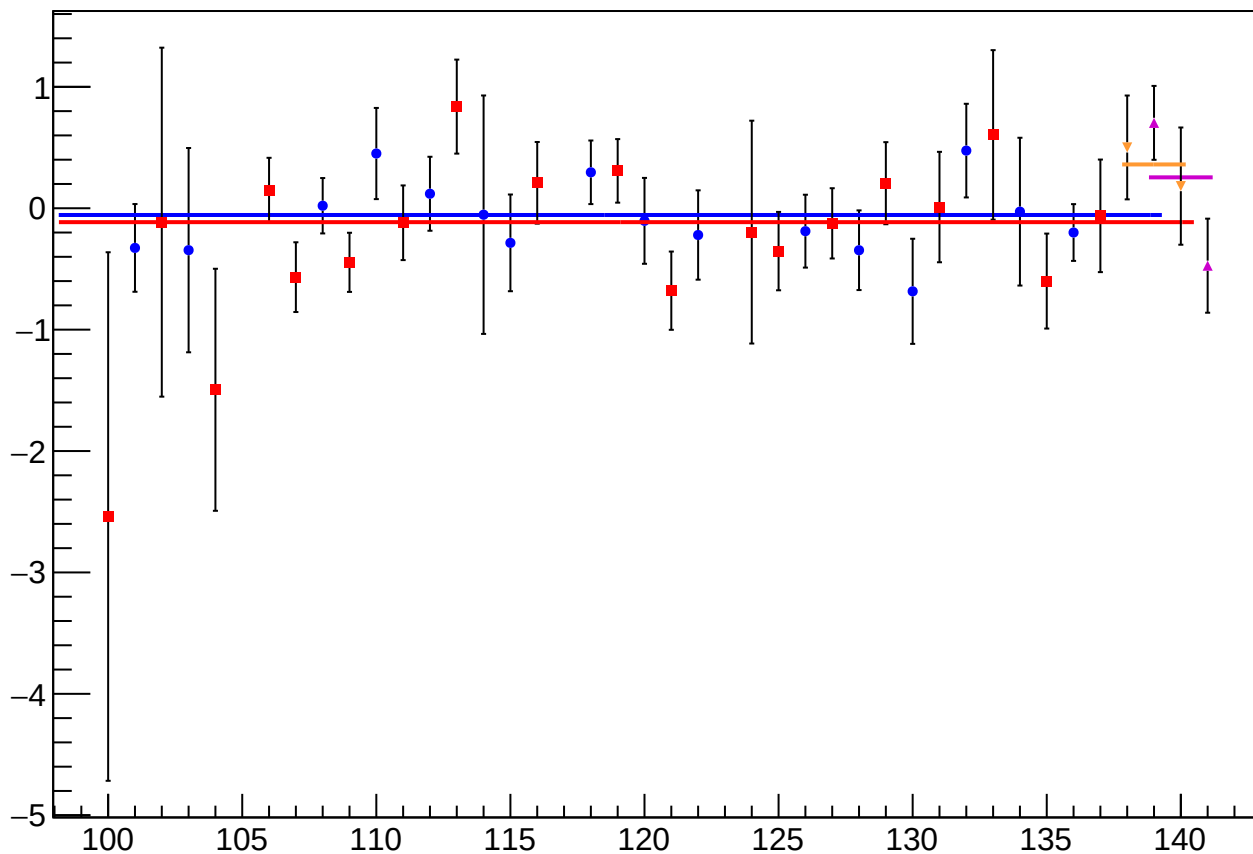
Left In: 305.902+/-0.169 χ^2/NDF : 66549.7/1

+ sign 227.542+/-0.058 χ^2/NDF : 1764973.5/17

All: 220.586+/-0.040 χ^2/NDF : 4022662.1/38

- sign 214.284+/-0.056 χ^2/NDF : 2230641.5/20

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

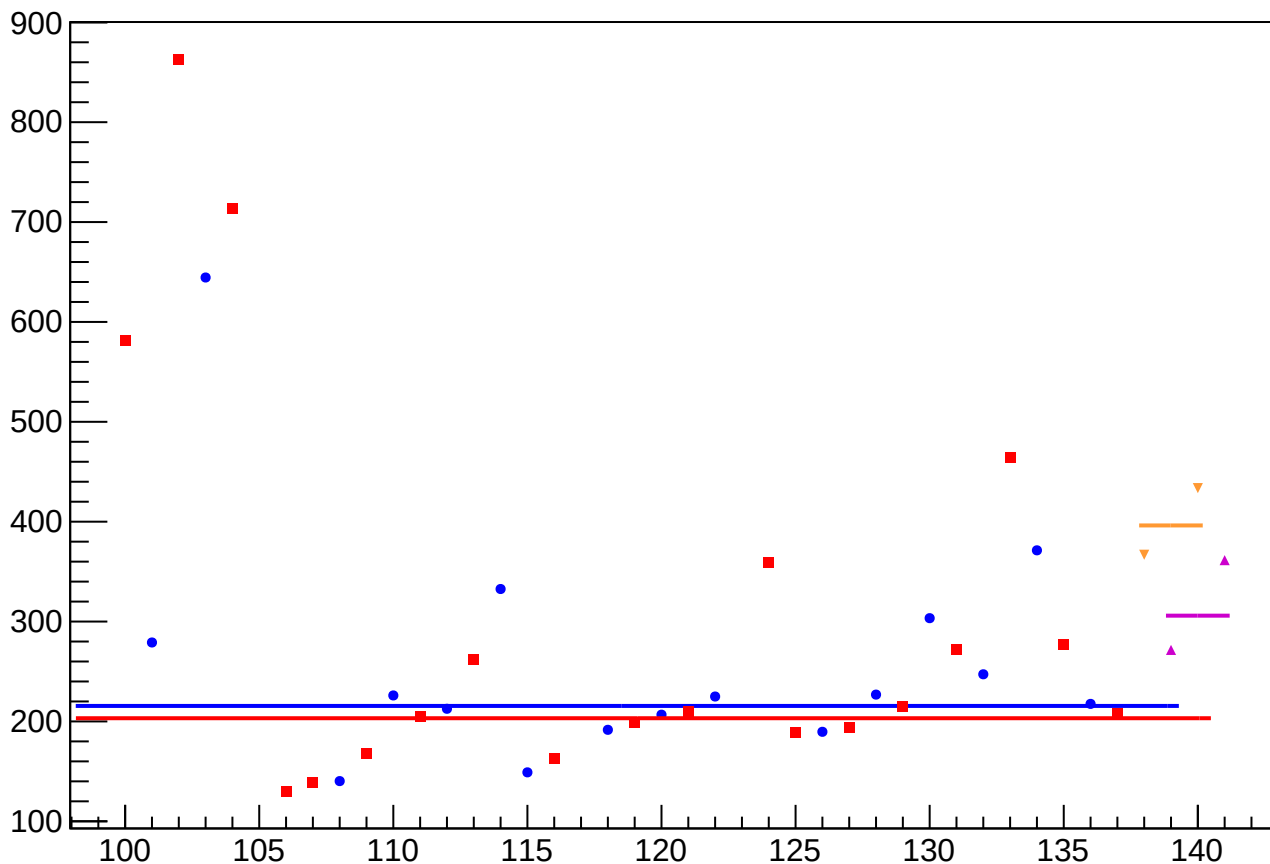
Left In: 0.255 ± 0.239 χ^2/NDF : 5.7/1

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.052 ± 0.057 χ^2/NDF : 45.7/38

- sign -0.075 ± 0.079 χ^2/NDF : 33.1/20

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: 1835552.6/18

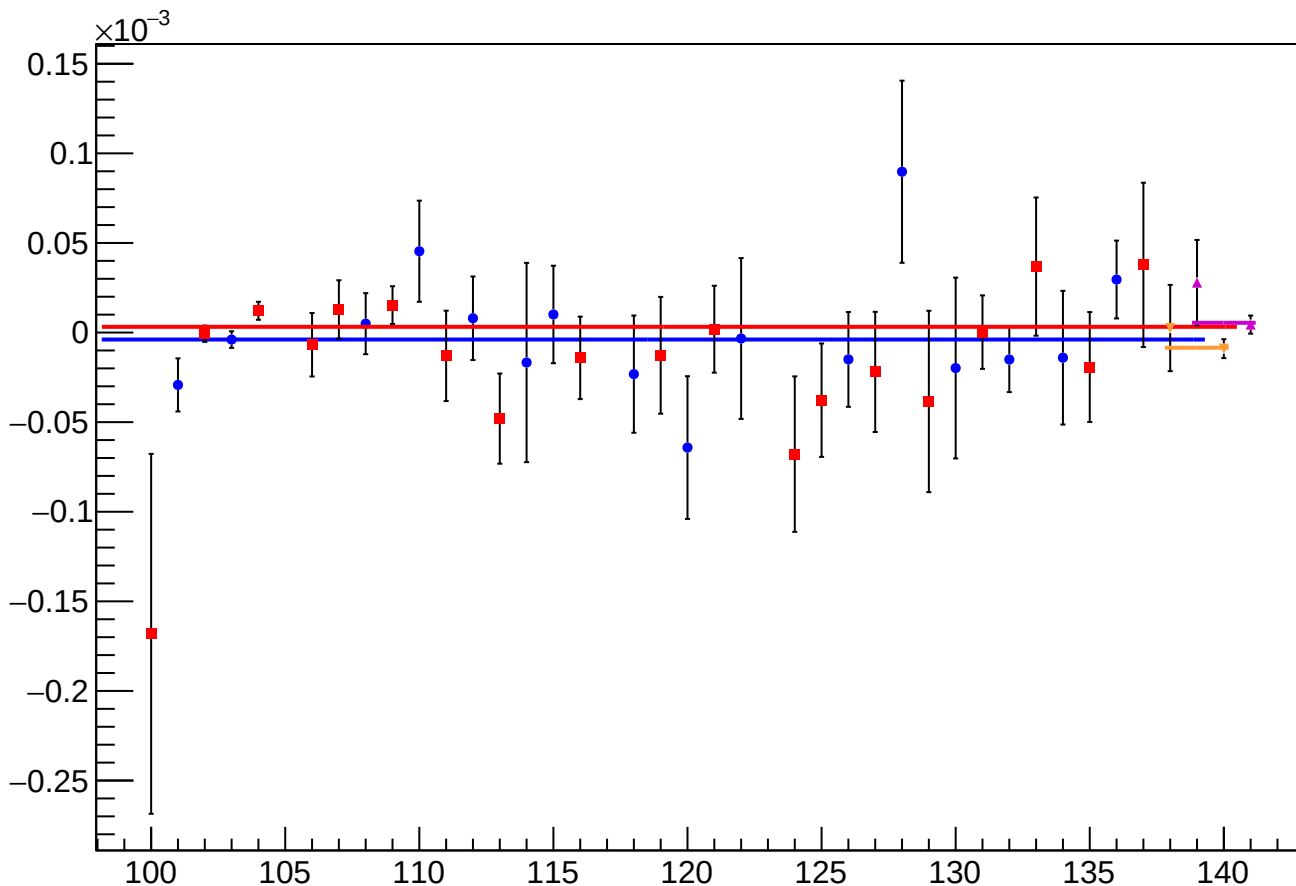
Left In: 305.902 $\pm$ 0.169 χ^2 /NDF:66549.7/1

+ sign 227.542 $\pm$ 0.058 χ^2 /NDF: 1764973.5/17

All: 220.586 $\pm$ 0.040 χ^2 /NDF: 4022662.1/38

- sign 214.284 $\pm$ 0.056 χ^2 /NDF: 2230641.5/20

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/18

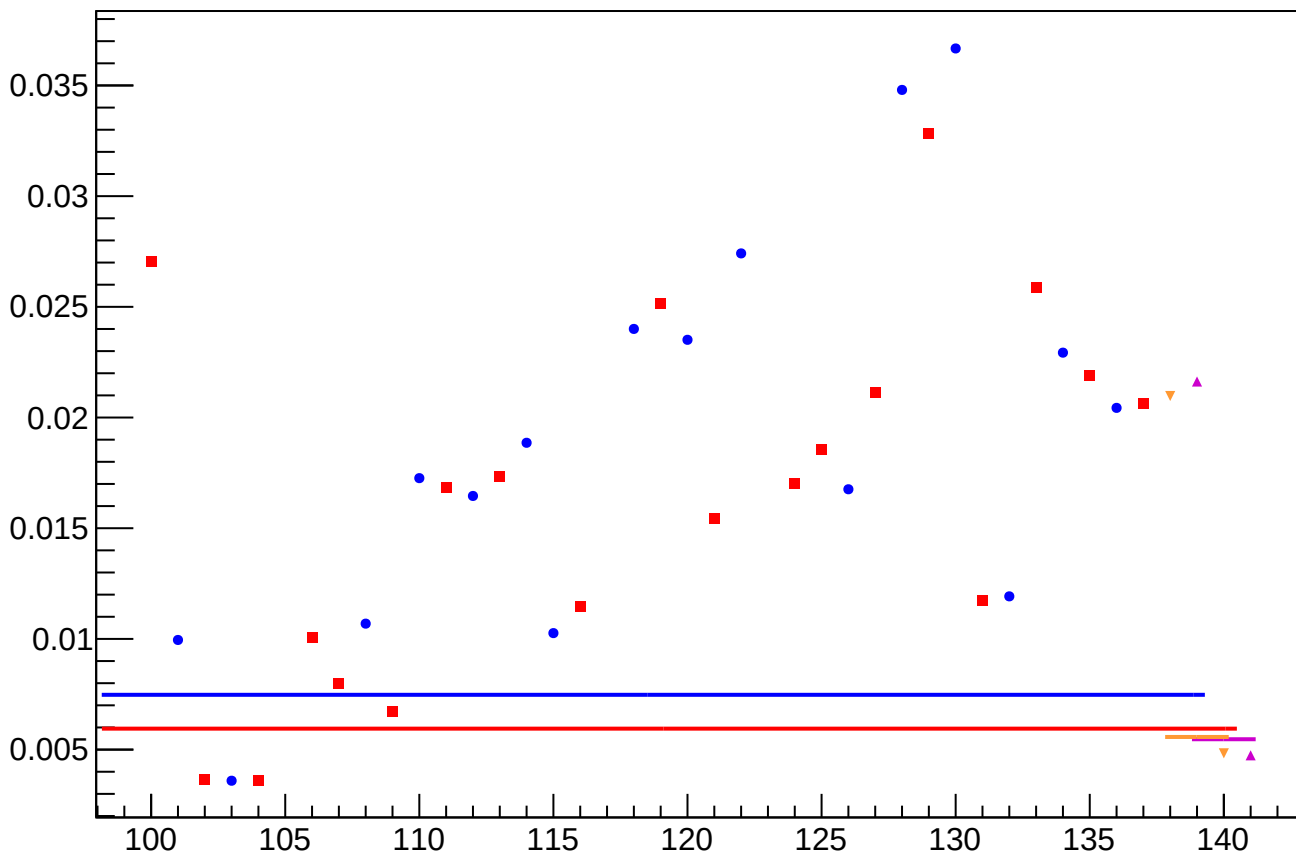
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.7/20

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6076199.5/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 857706.4/1

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 5934015.2/18

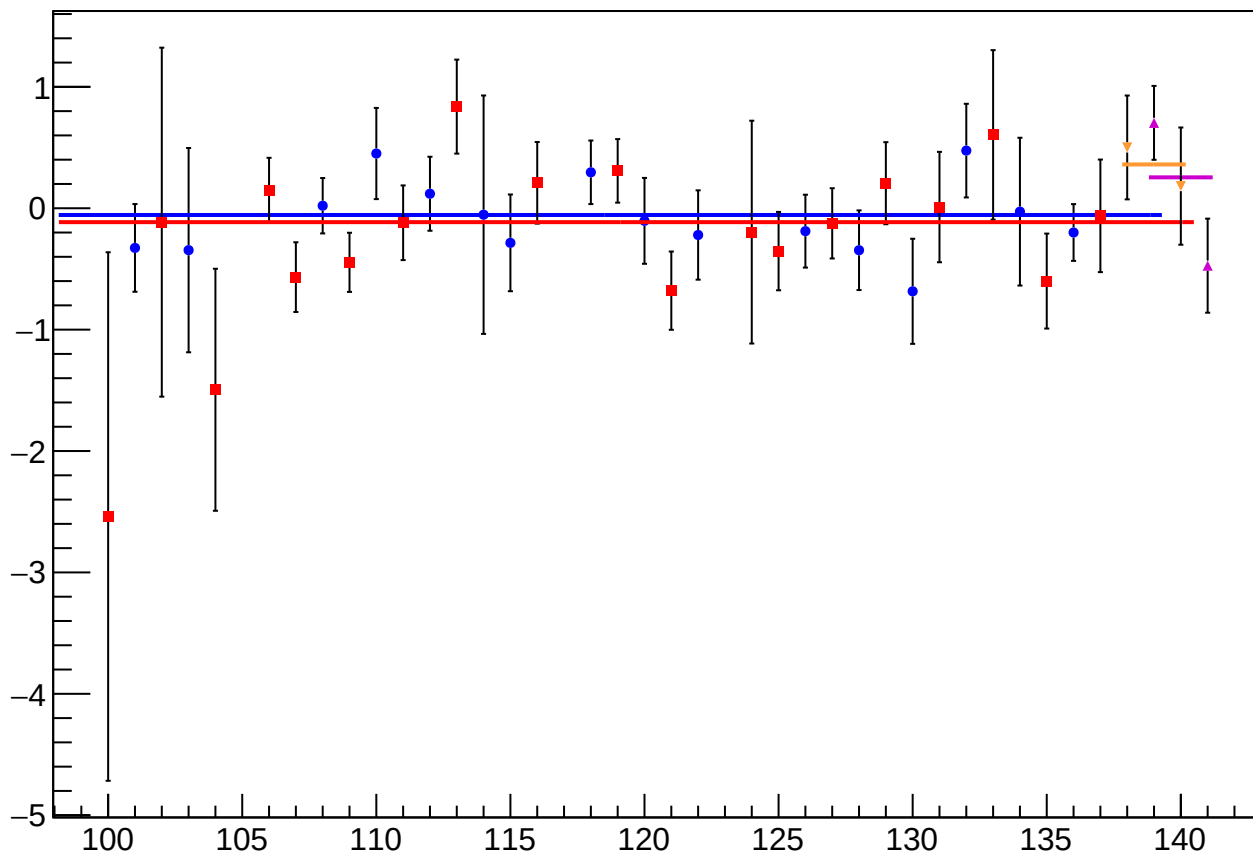
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 963410.2/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7111378.0/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 14146719.2/38

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6911412.7/20

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

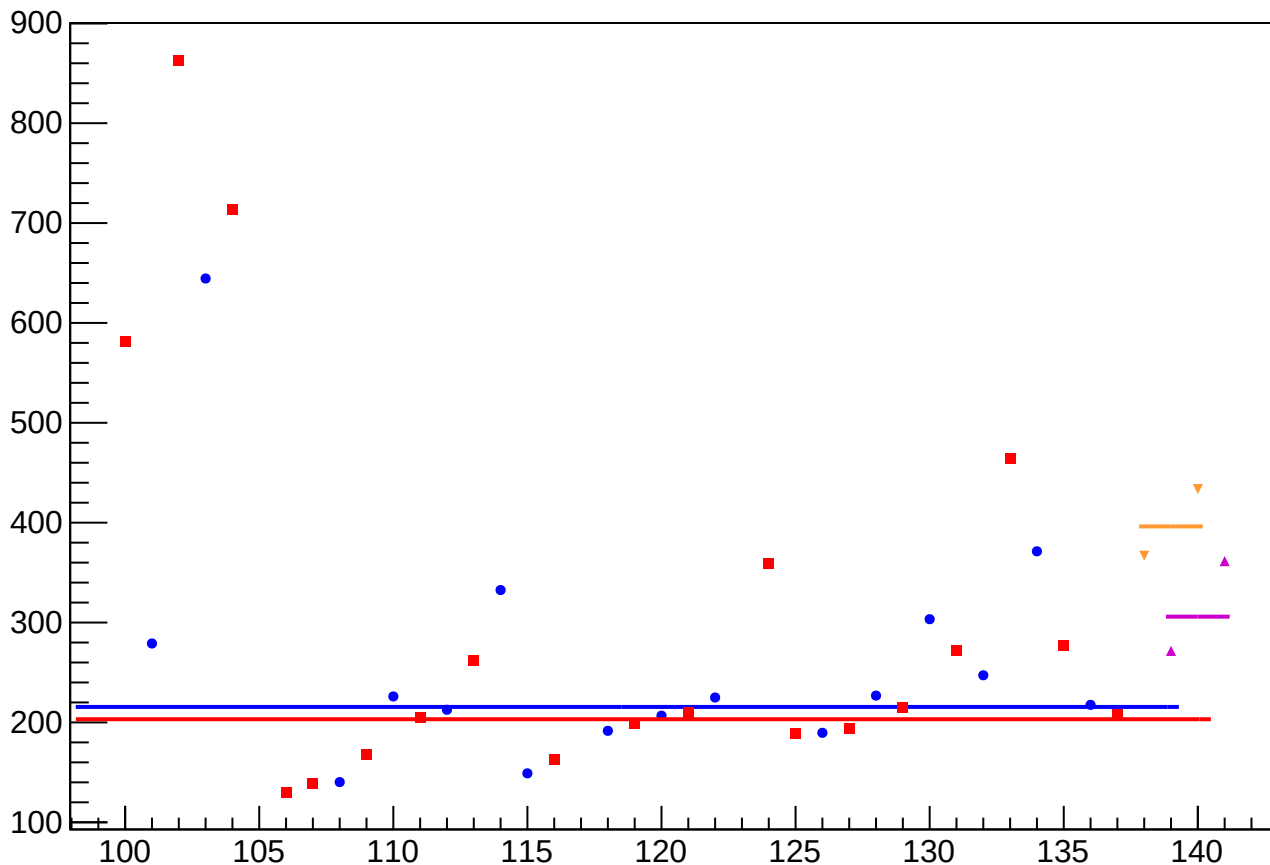
Left In: 0.255 ± 0.239 χ^2/NDF : 5.7/1

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.052 ± 0.057 χ^2/NDF : 45.7/38

- sign -0.075 ± 0.079 χ^2/NDF : 33.1/20

asym_usr_atr2_avg_eigen_dit_vs_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

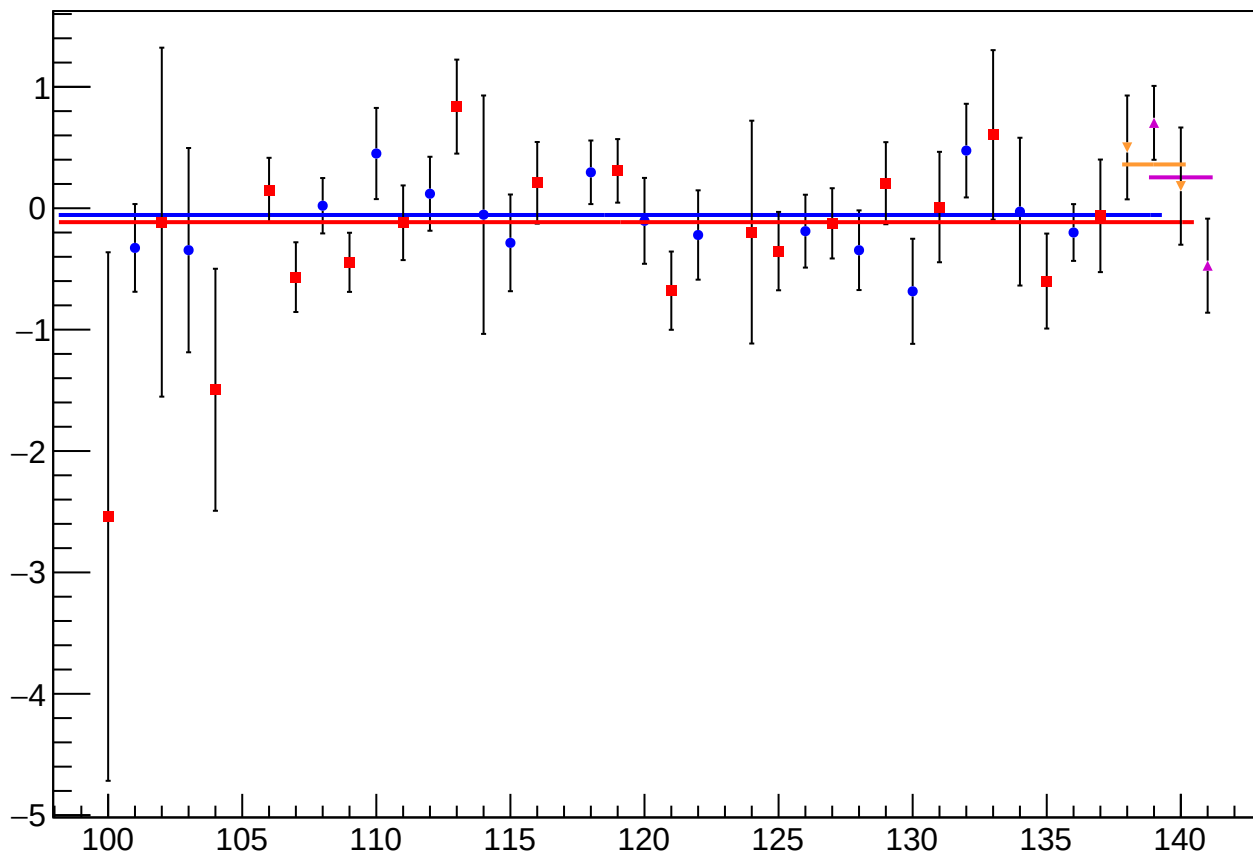
Left In: 305.906 $\pm$ 0.169 χ^2 /NDF: 66540.8/1

+ sign 227.540 $\pm$ 0.058 χ^2 /NDF: 1764966.0/17

All: 220.585 $\pm$ 0.040 χ^2 /NDF: 4022656.7/38

- sign 214.283 $\pm$ 0.056 χ^2 /NDF: 2230642.9/20

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

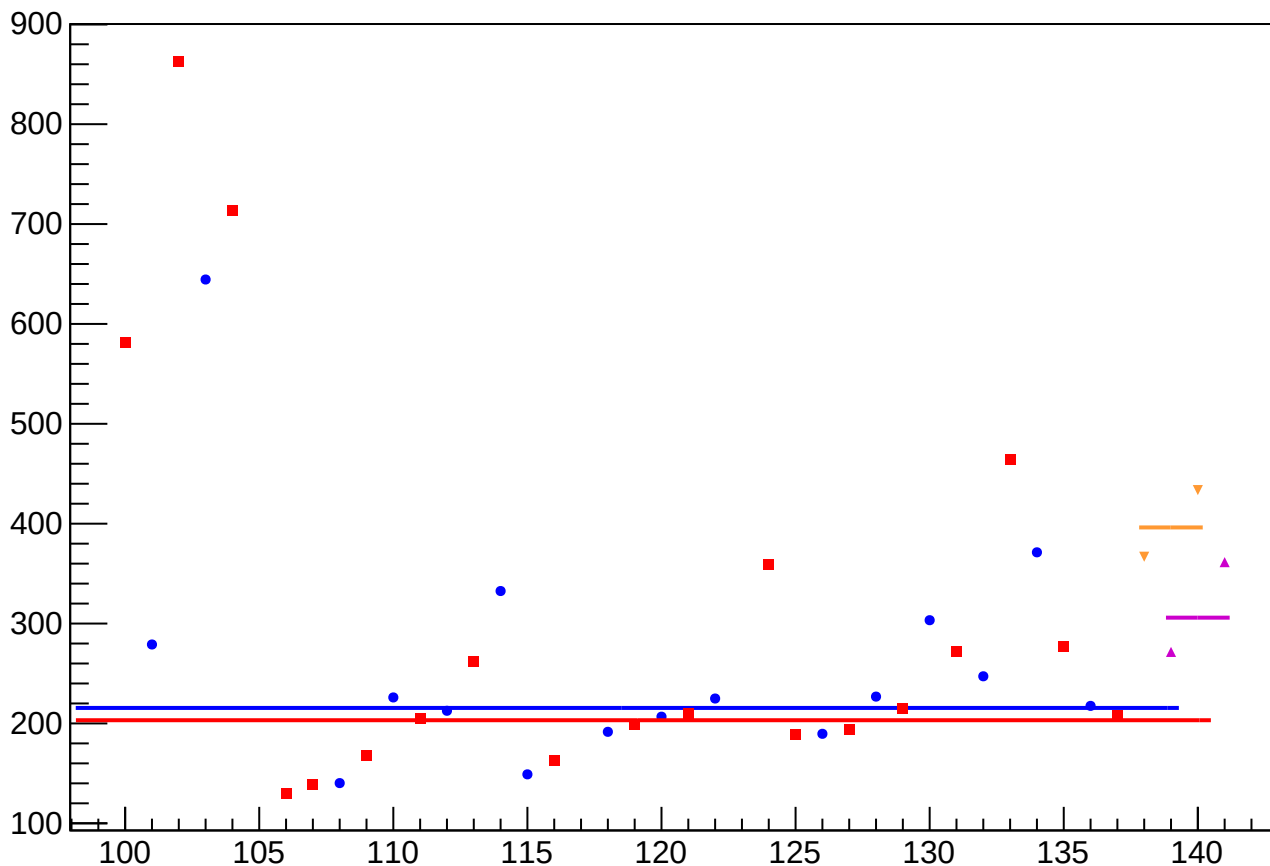
Left In: 0.255 ± 0.239 χ^2/NDF : 5.7/1

+ sign -0.028 ± 0.083 χ^2/NDF : 12.5/17

All: -0.052 ± 0.057 χ^2/NDF : 45.7/38

- sign -0.075 ± 0.079 χ^2/NDF : 33.1/20

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

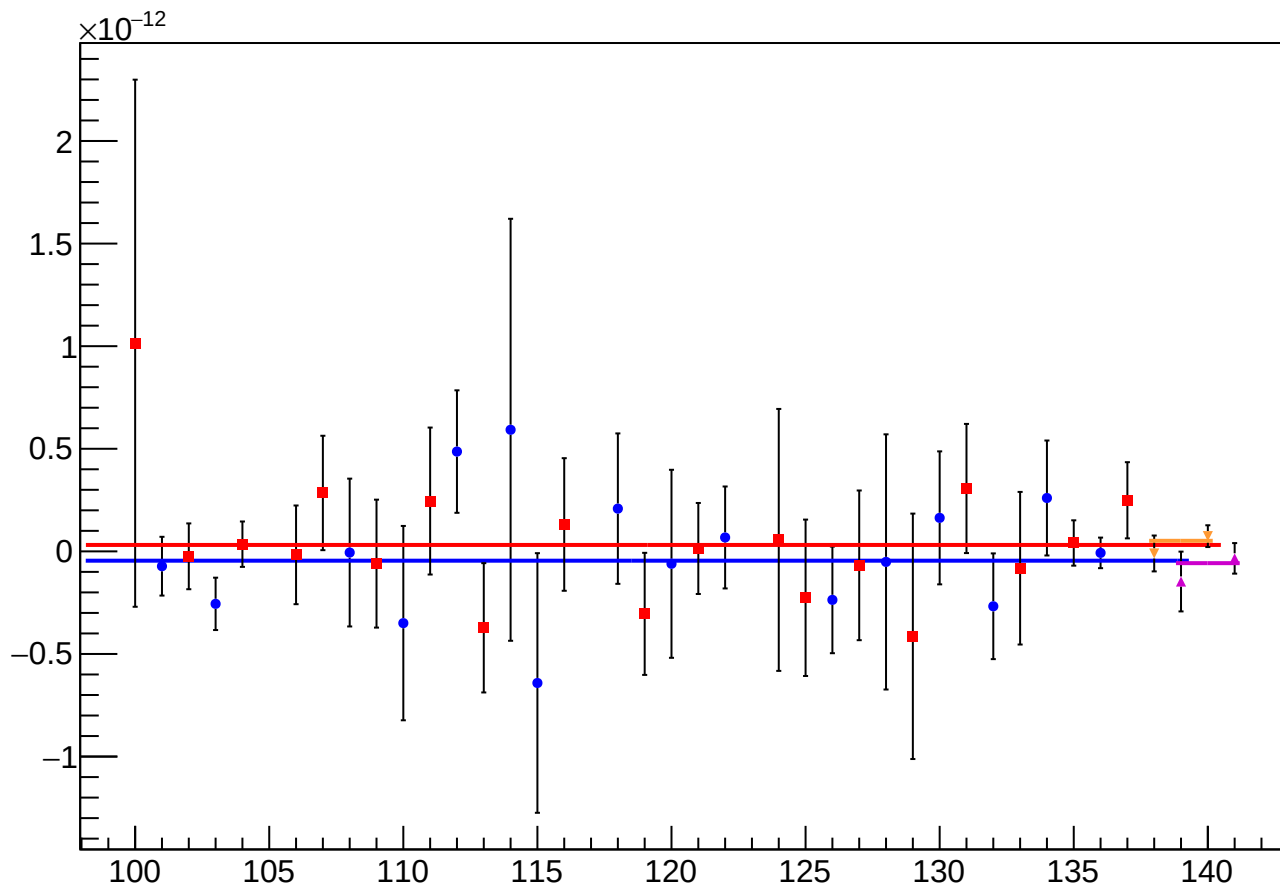
Left In: 305.906 $\pm$ 0.169 χ^2 /NDF:66540.8/1

+ sign 227.540 $\pm$ 0.058 χ^2 /NDF: 1764966.0/17

All: 220.585 $\pm$ 0.040 χ^2 /NDF: 4022656.7/38

- sign 214.283 $\pm$ 0.056 χ^2 /NDF: 2230642.9/20

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

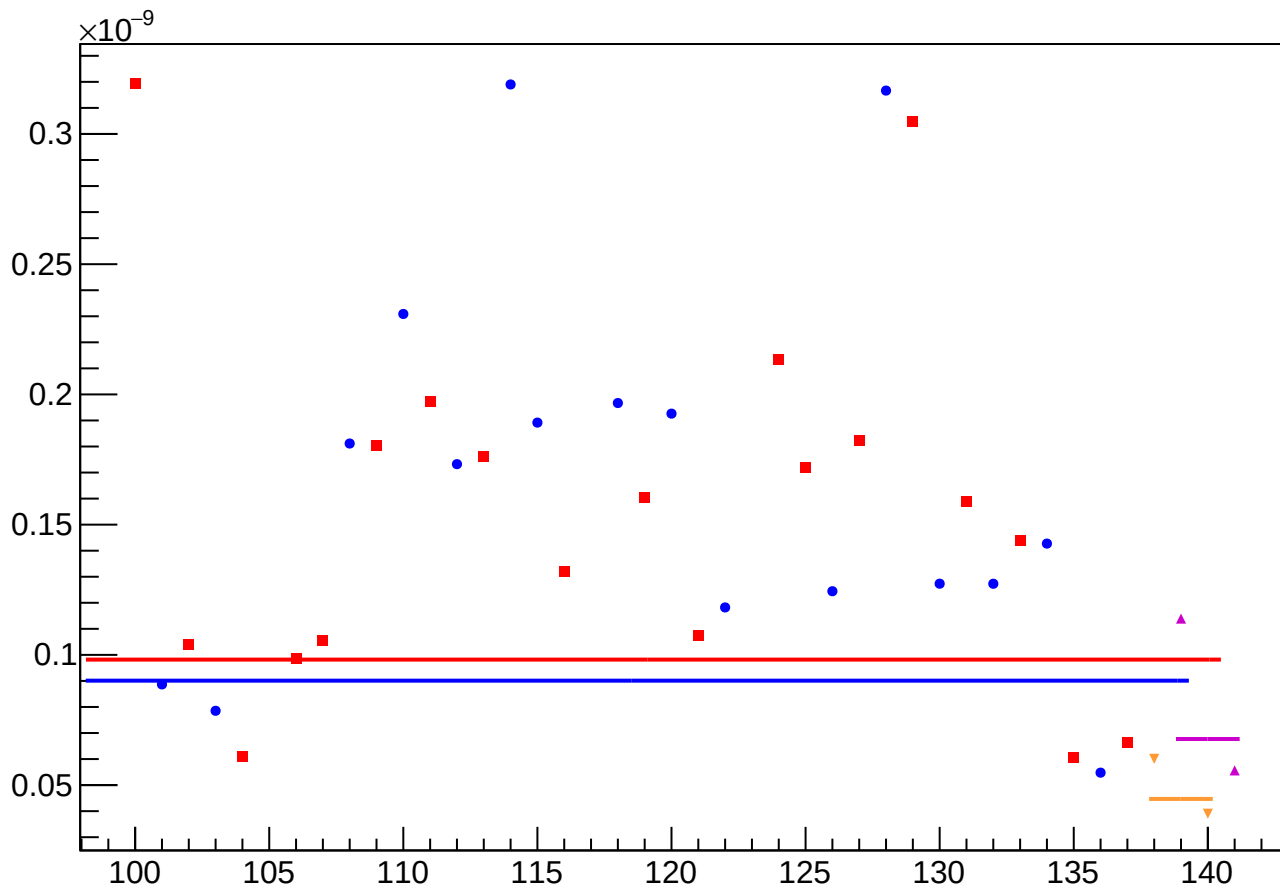
Left In: -0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign 0.000 ± 0.000 χ^2/NDF : 14.2/17

All: 0.000 ± 0.000 χ^2/NDF : 24.2/38

- sign -0.000 ± 0.000 χ^2/NDF : 9.9/20

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

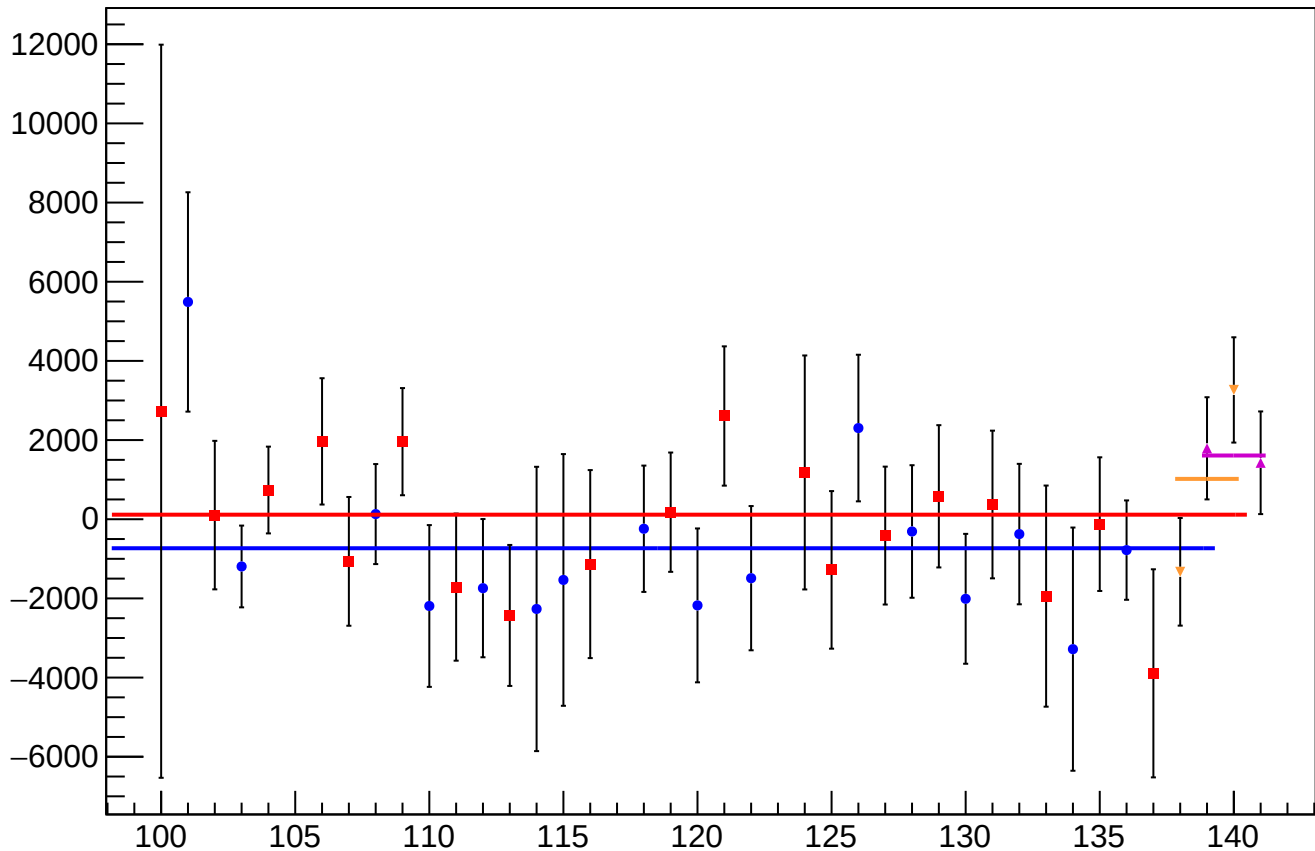
Left In: 0.000+/-0.000 χ^2/NDF : 253890.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2798019.4/17

All: 0.000+/-0.000 χ^2/NDF : 5333128.7/38

- sign 0.000+/-0.000 χ^2/NDF : 2210179.6/20

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747 ± 427.384 χ^2/NDF : 11.7/15

Left Out: 1019.294 ± 950.711 χ^2/NDF : 5.8/1

Right Out: 115.040 ± 411.437 χ^2/NDF : 13.1/18

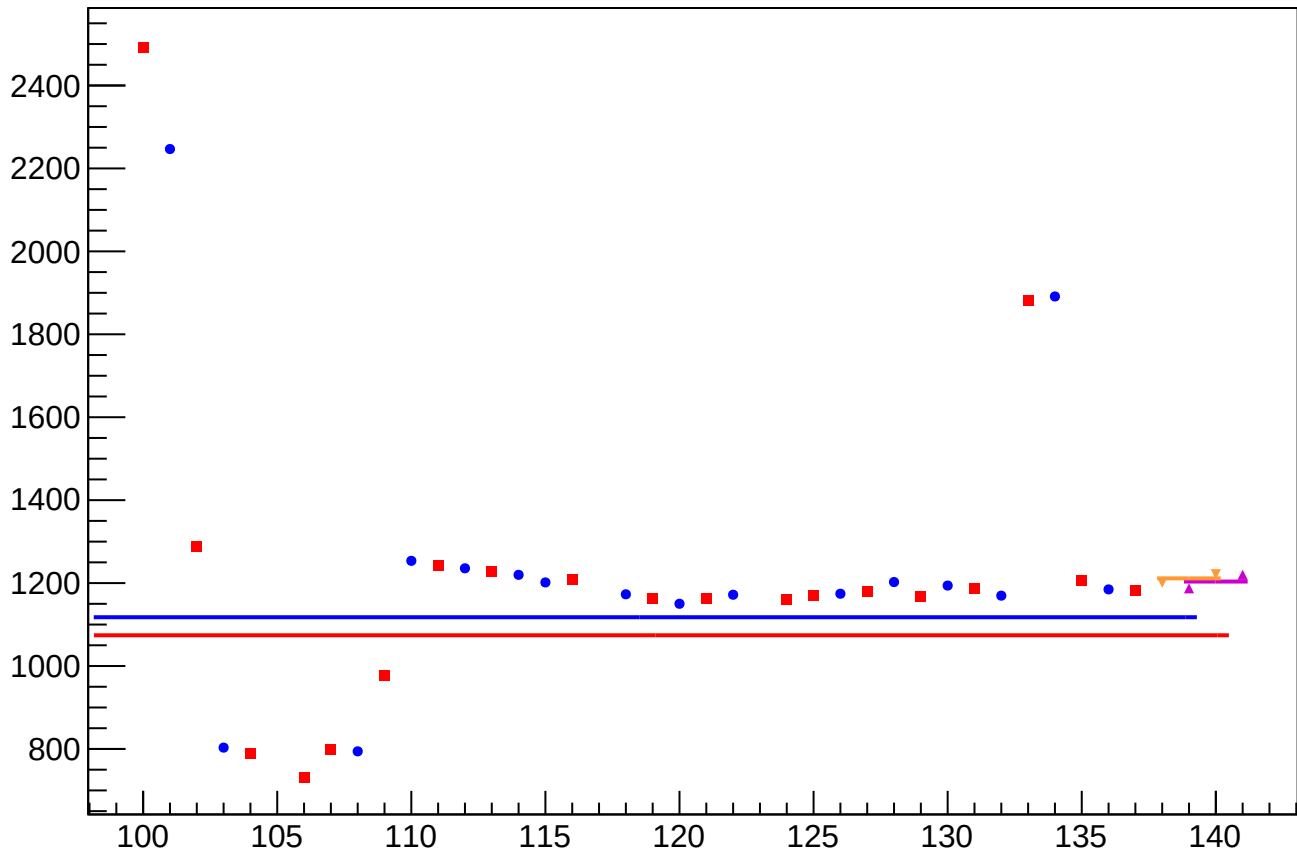
Left In: 1610.015 ± 914.807 χ^2/NDF : 0.0/1

+ sign -438.204 ± 389.808 χ^2/NDF : 20.4/17

All: -20.495 ± 270.336 χ^2/NDF : 38.0/38

- sign 366.563 ± 375.233 χ^2/NDF : 15.4/20

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

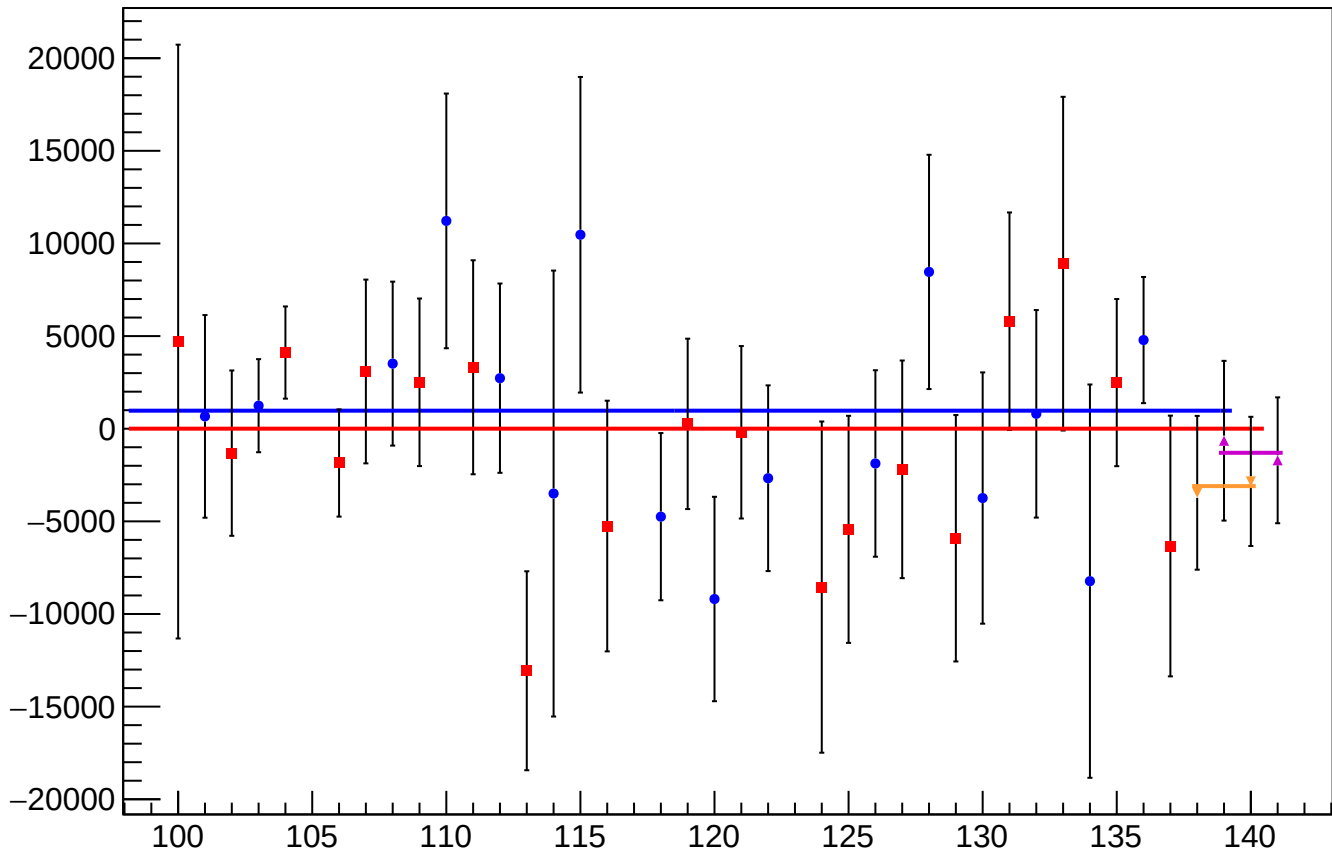
Left In: 1203.699 $\pm$ 0.647 χ^2 /NDF: 638.3/1

+ sign 1133.431 $\pm$ 0.276 χ^2 /NDF: 836217.6/17

All: 1113.688 $\pm$ 0.190 χ^2 /NDF: 1529638.4/38

- sign 1095.645 $\pm$ 0.263 χ^2 /NDF: 683601.2/20

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755+/-1232.754 χ^2/NDF : 13.8/15

Left Out: -3097.420+/-2669.559 χ^2/NDF : 0.0/1

Right Out: 2.885+/-1113.897 χ^2/NDF : 16.6/18

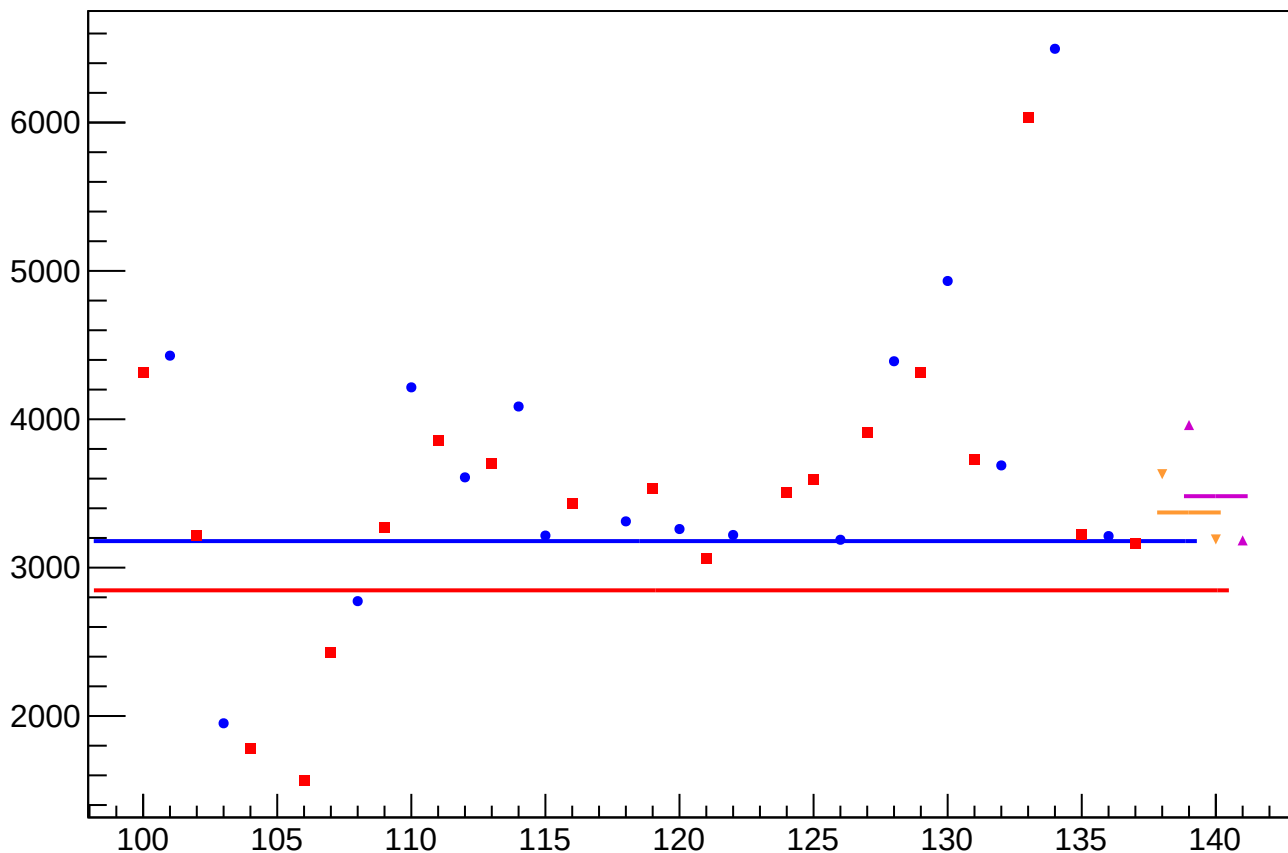
Left In: -1299.509+/-2668.627 χ^2/NDF : 0.0/1

+ sign 258.195+/-1119.186 χ^2/NDF : 15.7/17

All: 14.891+/-757.071 χ^2/NDF : 32.6/38

- sign -190.358+/-1027.943 χ^2/NDF : 16.8/20

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF : 1091676.8/15

Left Out: 3371.877+/-1.888 χ^2/NDF :13167.8/1

Right Out: 2847.016+/-0.788 χ^2/NDF : 1511160.9/18

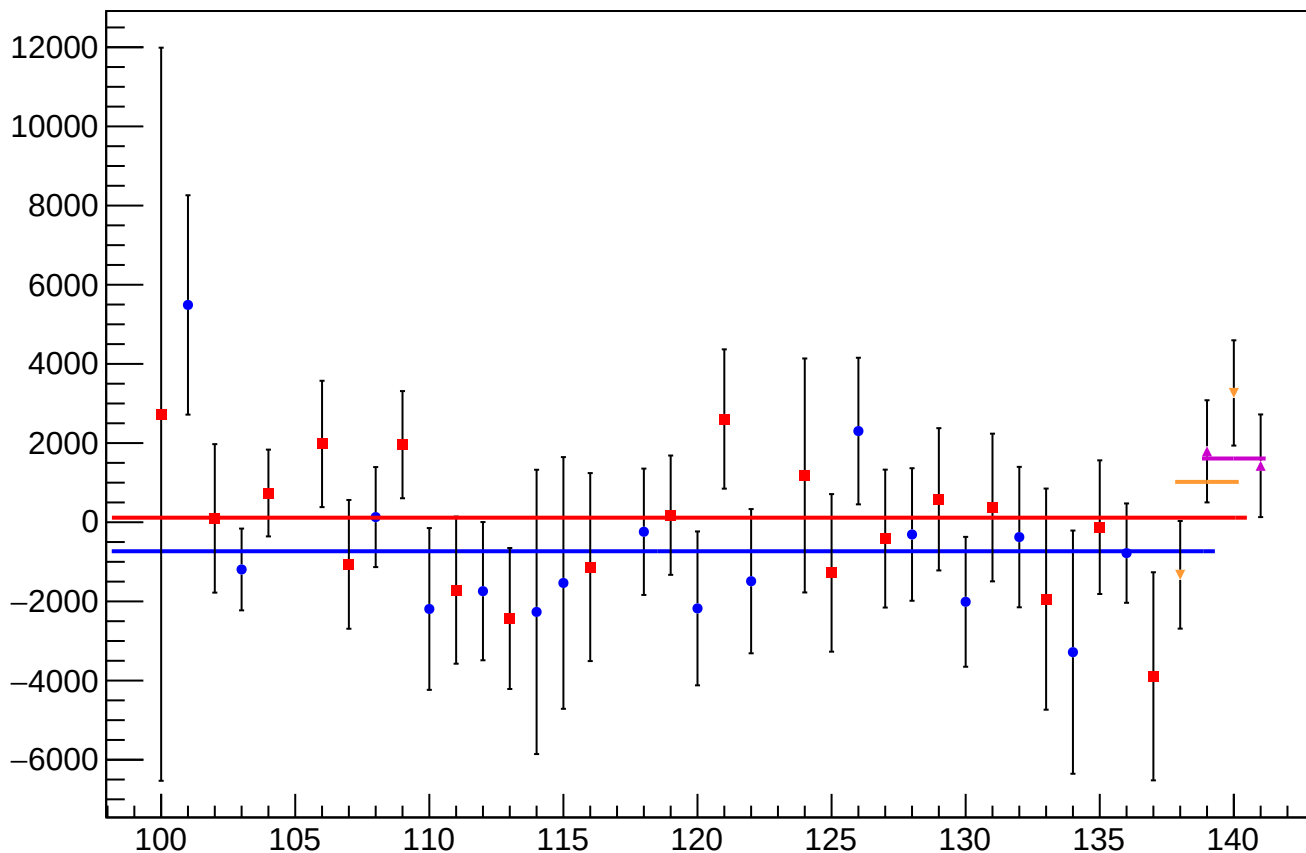
Left In: 3481.561+/-1.887 χ^2/NDF :40121.5/1

+ sign 3212.793+/-0.791 χ^2/NDF : 1113461.5/17

All: 3065.458+/-0.535 χ^2/NDF : 2824944.5/38

- sign 2941.167+/-0.727 χ^2/NDF : 1647582.4/20

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 1019.265+/-950.711 χ^2/NDF : 5.8/1

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

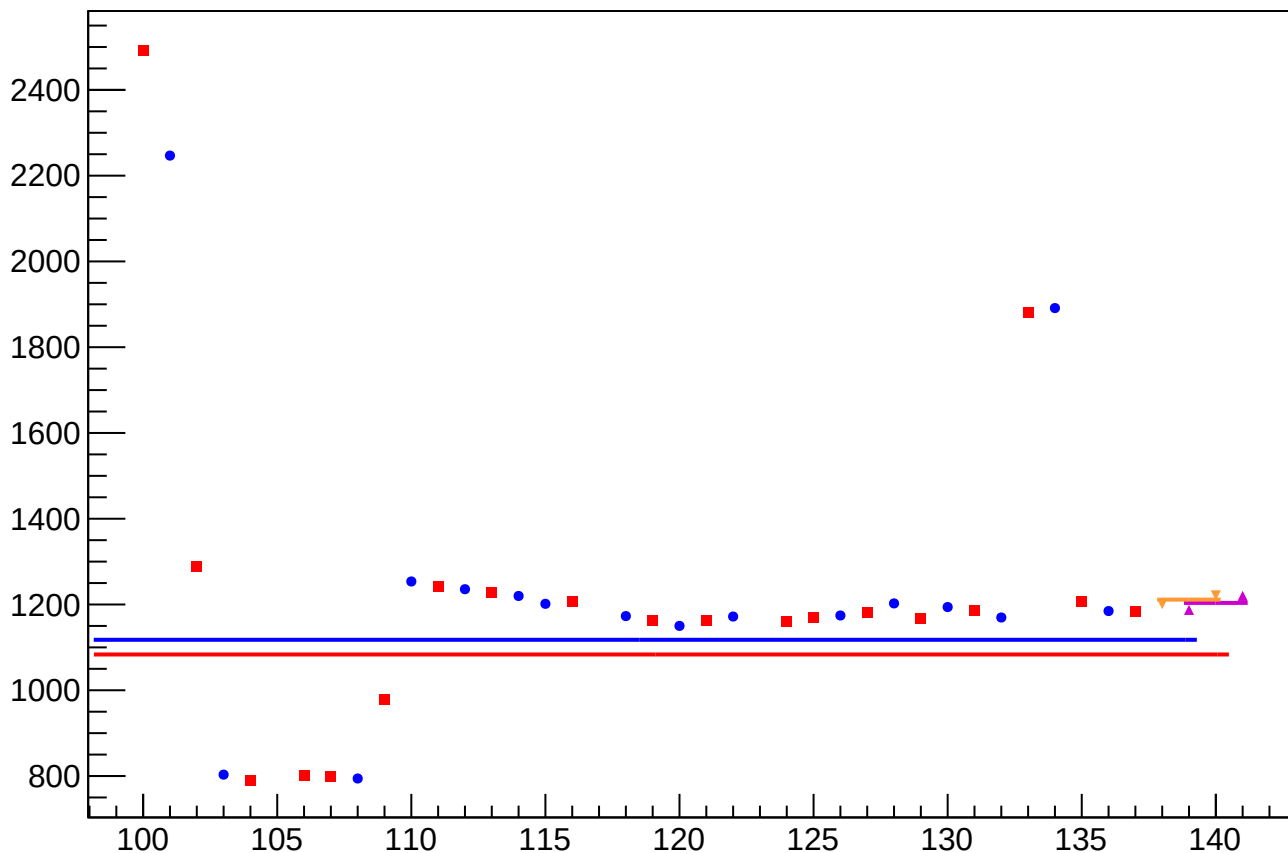
Left In: 1610.073+/-914.807 χ^2/NDF : 0.0/1

+ sign -438.155+/-389.808 χ^2/NDF : 20.4/17

All: -20.352+/-270.337 χ^2/NDF : 38.0/38

- sign 366.799+/-375.236 χ^2/NDF : 15.4/20

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

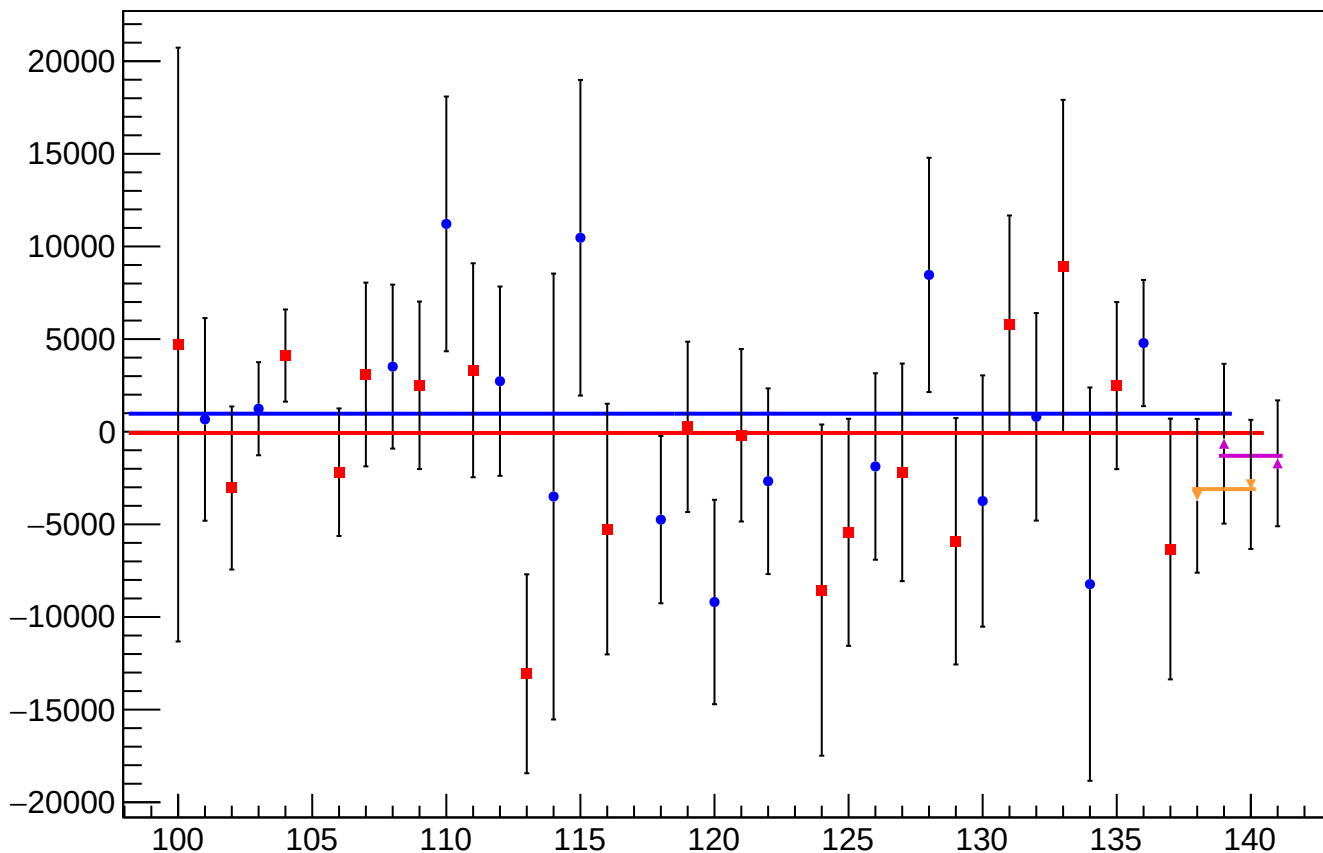
Left In: 1203.699 $\pm$ 0.647 χ^2 /NDF:638.3/1

+ sign 1133.432 $\pm$ 0.276 χ^2 /NDF: 836214.0/17

All: 1117.920 $\pm$ 0.191 χ^2 /NDF: 1466736.1/38

- sign 1103.593 $\pm$ 0.265 χ^2 /NDF: 624430.1/20

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

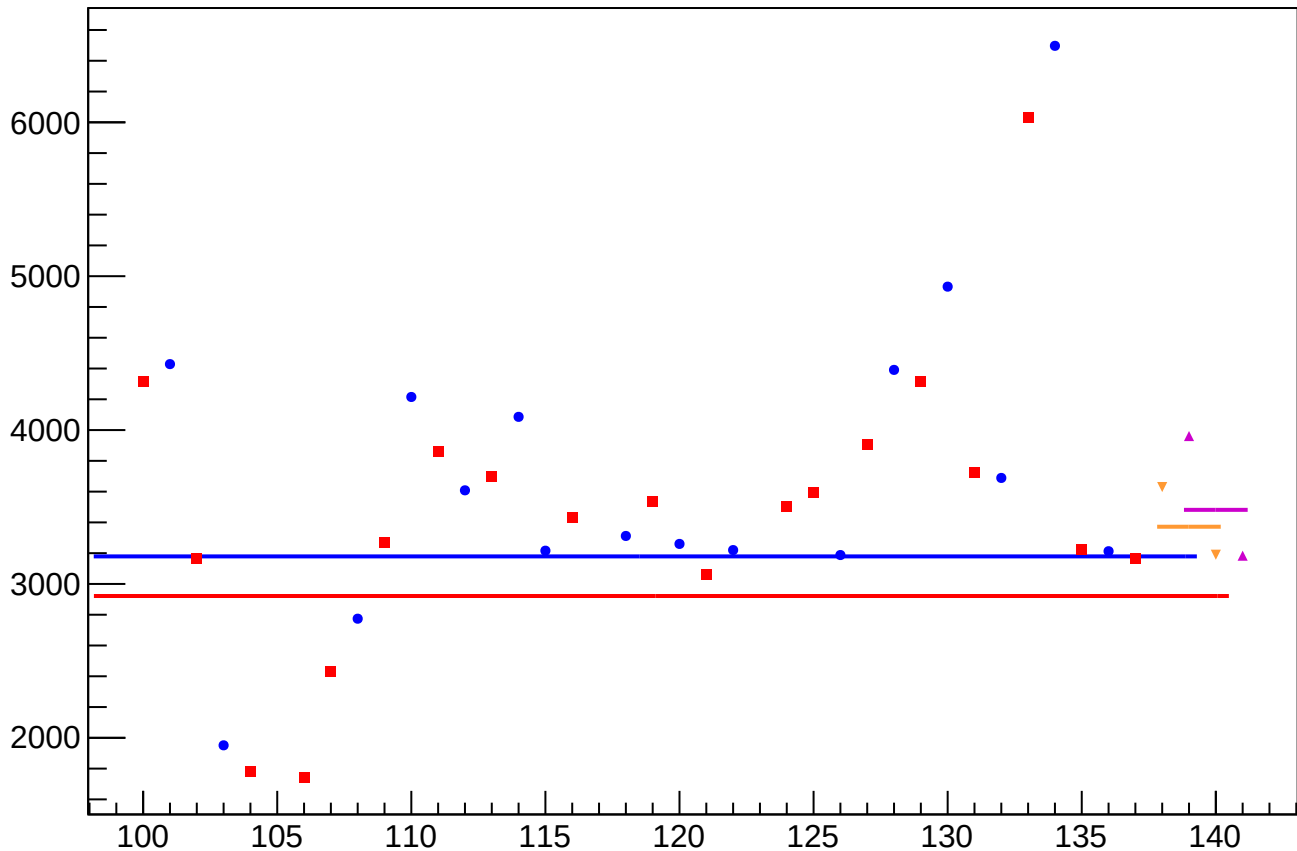
Left In: -1299.475+/-2668.627 χ^2/NDF : 0.0/1

+ sign 257.765+/-1119.223 χ^2/NDF : 15.7/17

All: -16.674+/-764.487 χ^2/NDF : 33.0/38

- sign -256.703+/-1046.710 χ^2/NDF : 17.2/20

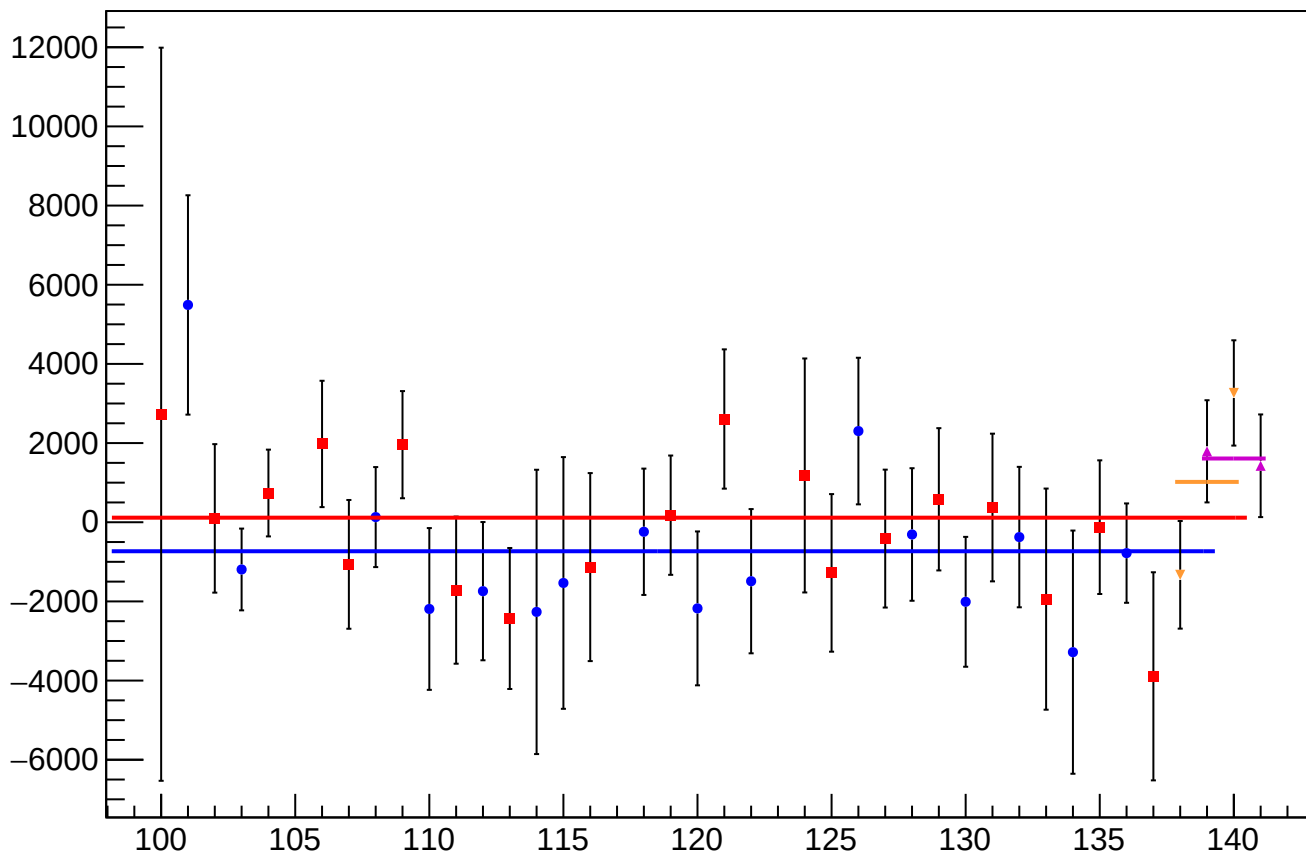
asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2 /NDF: 1091236.5/15
 Left Out: 3371.866+/-1.888 χ^2 /NDF:13168.3/1
 Right Out: 2921.641+/-0.805 χ^2 /NDF: 1312890.1/18
 Left In: 3481.560+/-1.887 χ^2 /NDF:40121.4/1

+ sign 3212.946+/-0.791 χ^2 /NDF: 1113004.1/17
 All: 3103.502+/-0.541 χ^2 /NDF: 2576365.7/38
 - sign 3007.780+/-0.740 χ^2 /NDF: 1427511.5/20

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 1019.265+/-950.711 χ^2/NDF : 5.8/1

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

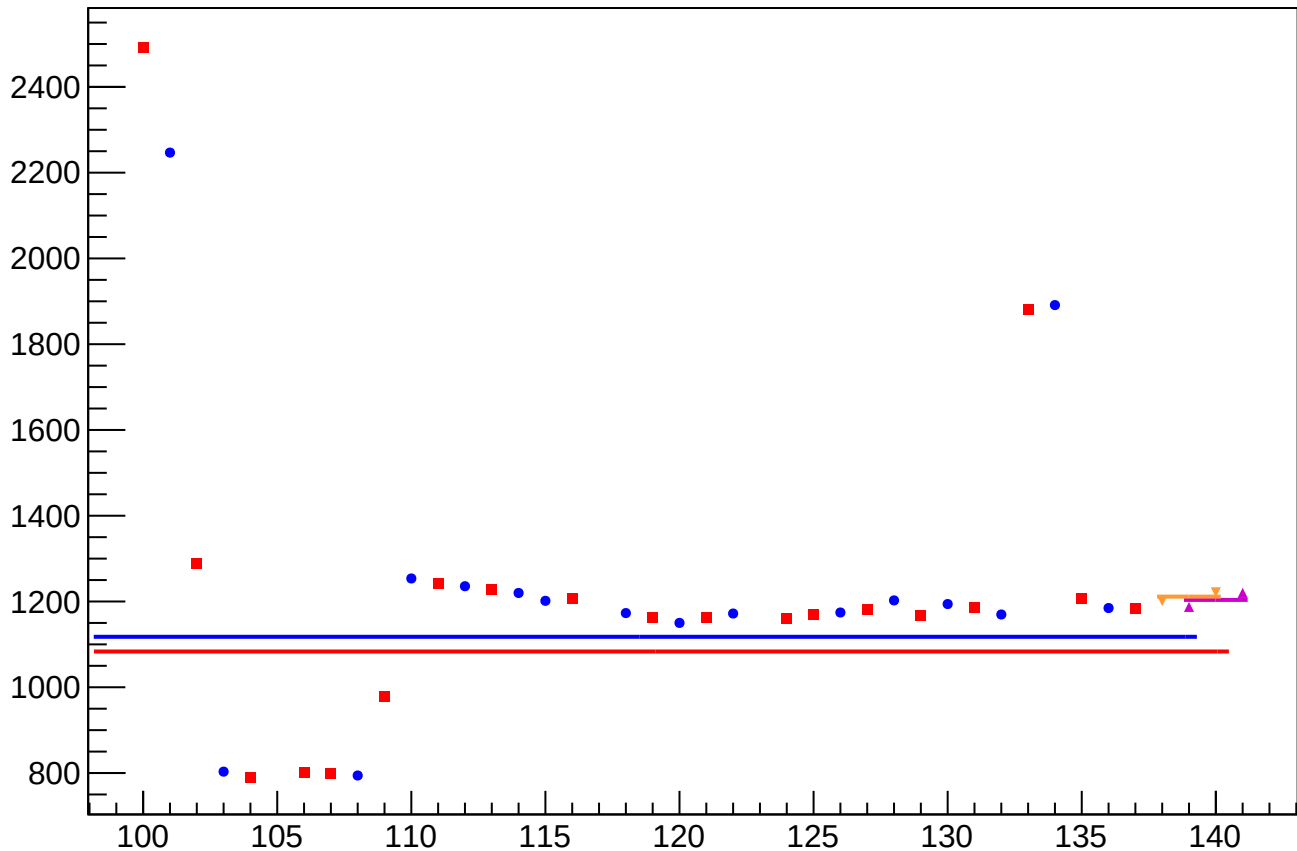
Left In: 1610.073+/-914.807 χ^2/NDF : 0.0/1

+ sign -438.155+/-389.808 χ^2/NDF : 20.4/17

All: -20.352+/-270.337 χ^2/NDF : 38.0/38

- sign 366.799+/-375.236 χ^2/NDF : 15.4/20

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

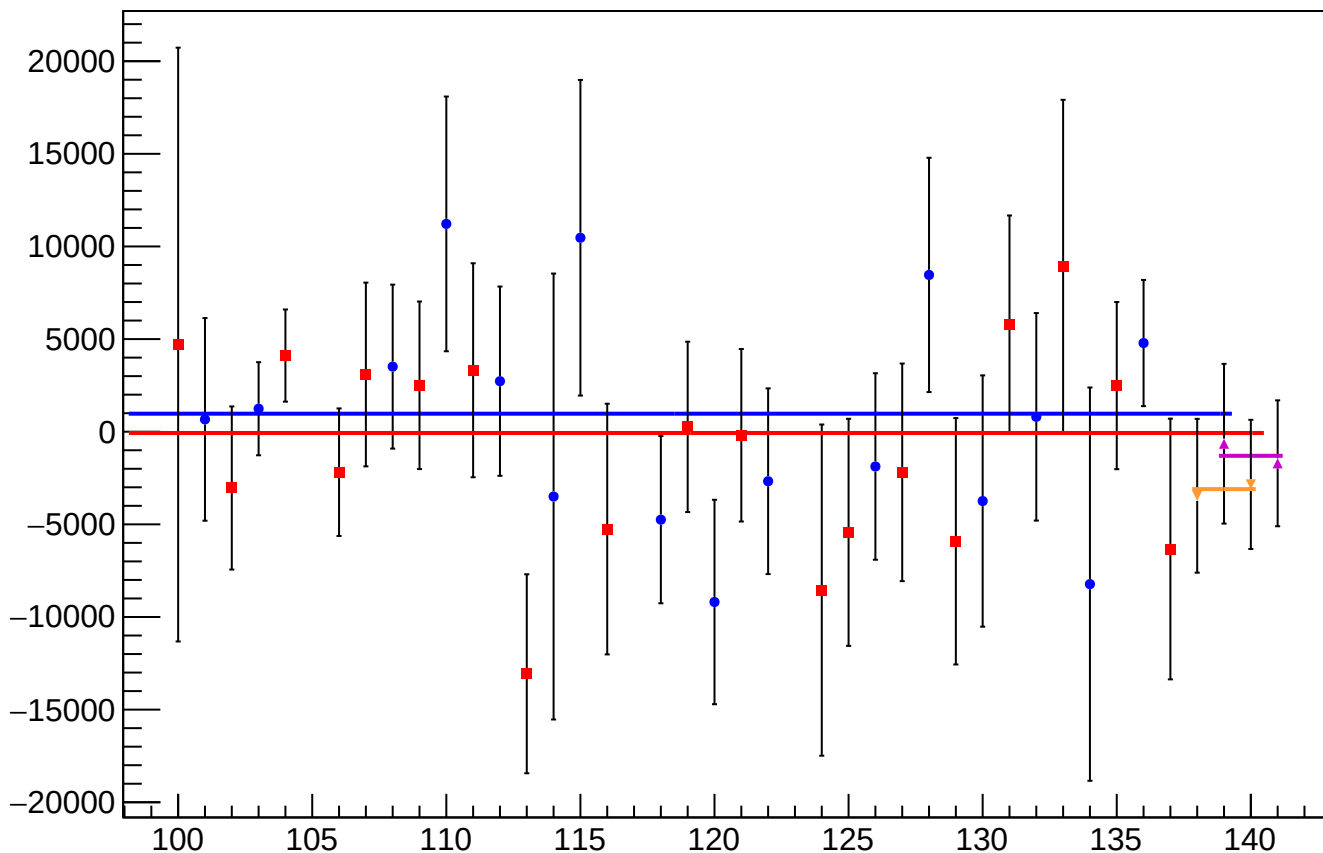
Left In: 1203.699 $\pm$ 0.647 χ^2 /NDF:638.3/1

+ sign 1133.432 $\pm$ 0.276 χ^2 /NDF: 836214.0/17

All: 1117.920 $\pm$ 0.191 χ^2 /NDF: 1466736.1/38

- sign 1103.593 $\pm$ 0.265 χ^2 /NDF: 624430.1/20

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

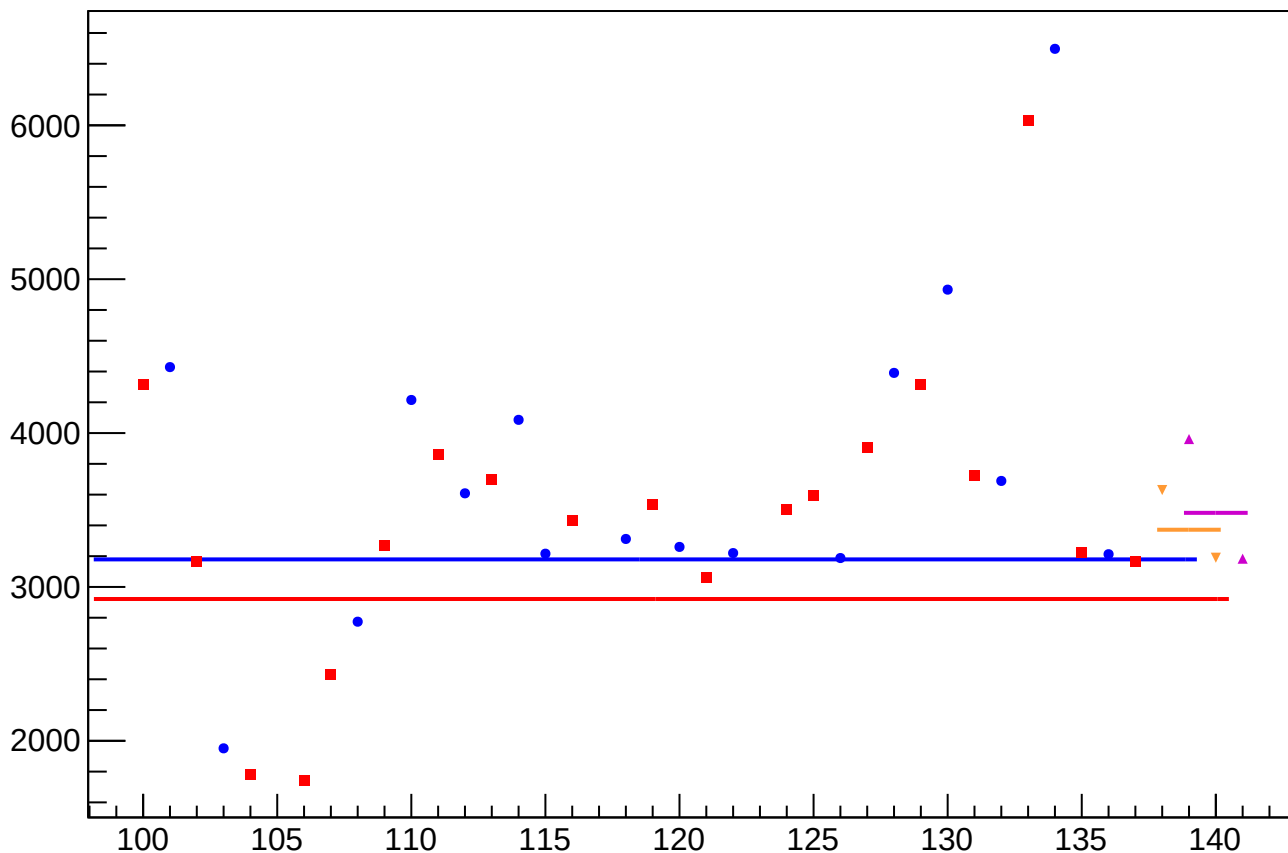
Left In: -1299.475+/-2668.627 χ^2/NDF : 0.0/1

+ sign 257.765+/-1119.223 χ^2/NDF : 15.7/17

All: -16.674+/-764.487 χ^2/NDF : 33.0/38

- sign -256.703+/-1046.710 χ^2/NDF : 17.2/20

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2 /NDF: 1091236.5/15

Left Out: 3371.866+/-1.888 χ^2 /NDF:13168.3/1

Right Out: 2921.641+/-0.805 χ^2 /NDF: 1312890.1/18

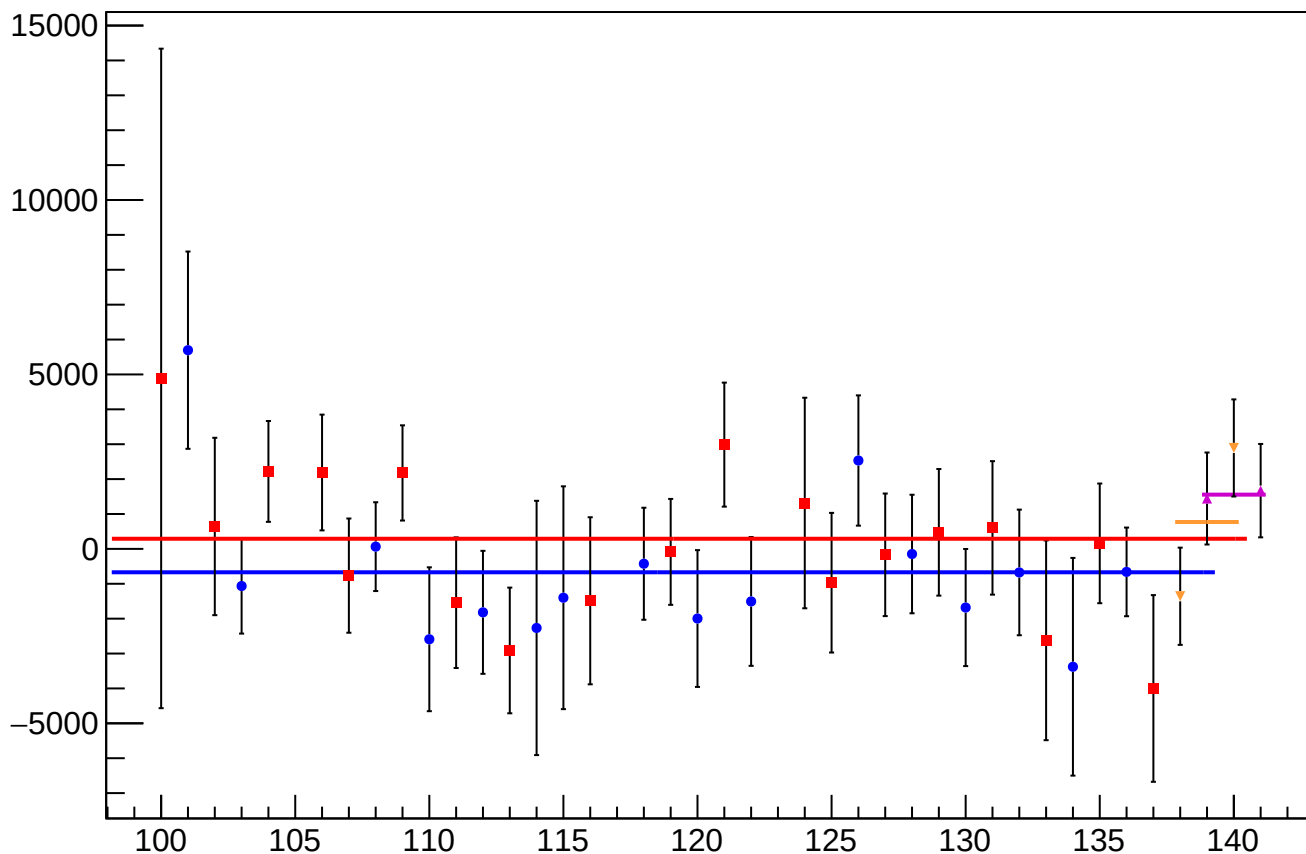
Left In: 3481.560+/-1.887 χ^2 /NDF:40121.4/1

+ sign 3212.946+/-0.791 χ^2 /NDF: 1113004.1/17

All: 3103.502+/-0.541 χ^2 /NDF: 2576365.7/38

- sign 3007.780+/-0.740 χ^2 /NDF: 1427511.5/20

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF : 11.9/15

Left Out: 770.502+/-984.727 χ^2/NDF : 4.7/1

Right Out: 290.311+/-434.425 χ^2/NDF : 16.9/18

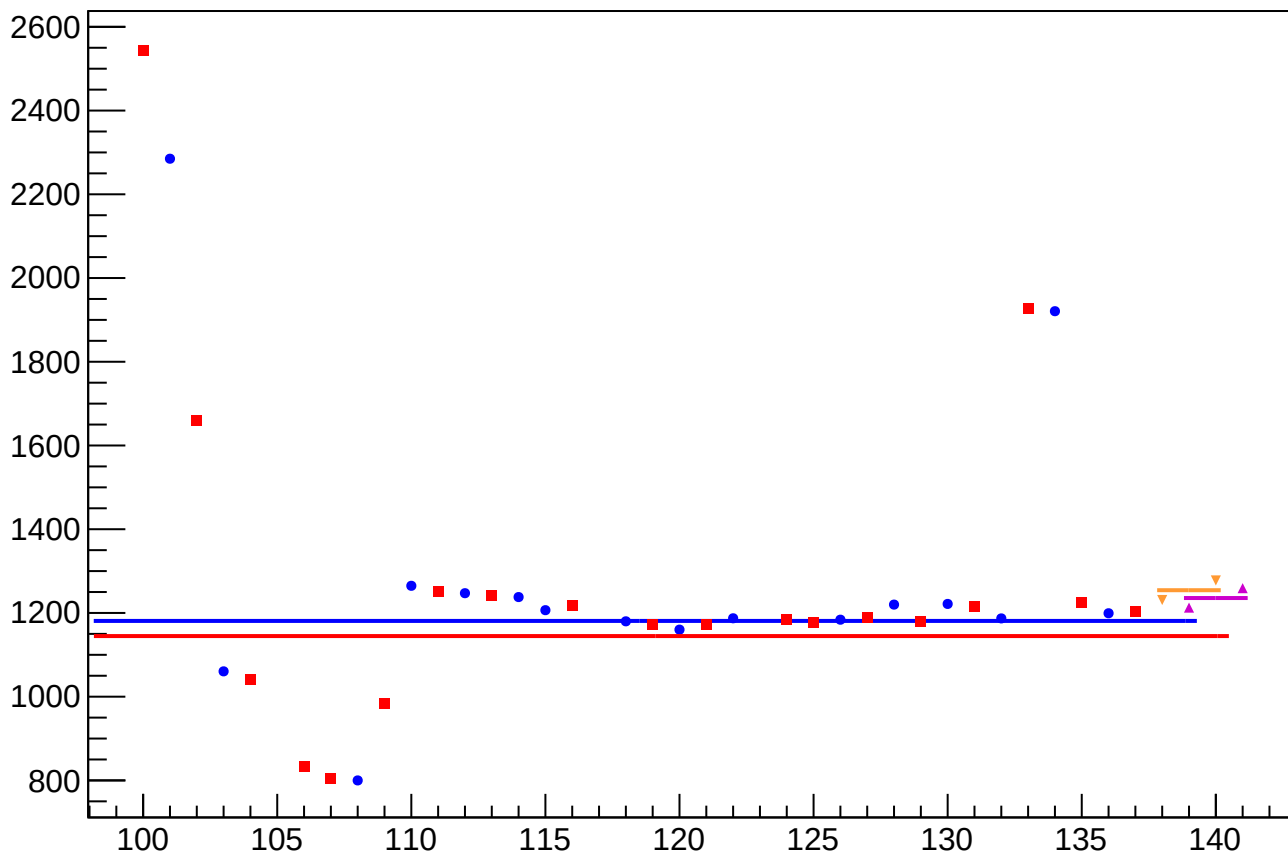
Left In: 1554.721+/-939.224 χ^2/NDF : 0.0/1

+ sign -423.198+/-408.159 χ^2/NDF : 18.3/17

All: 61.152+/-283.582 χ^2/NDF : 39.5/38

- sign 513.145+/-394.290 χ^2/NDF : 18.4/20

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955 $\pm$ 0.317 χ^2 /NDF: 621878.6/15

Left Out: 1254.321 $\pm$ 0.696 χ^2 /NDF: 1125.7/1

Right Out: 1144.777 $\pm$ 0.307 χ^2 /NDF: 497730.6/18

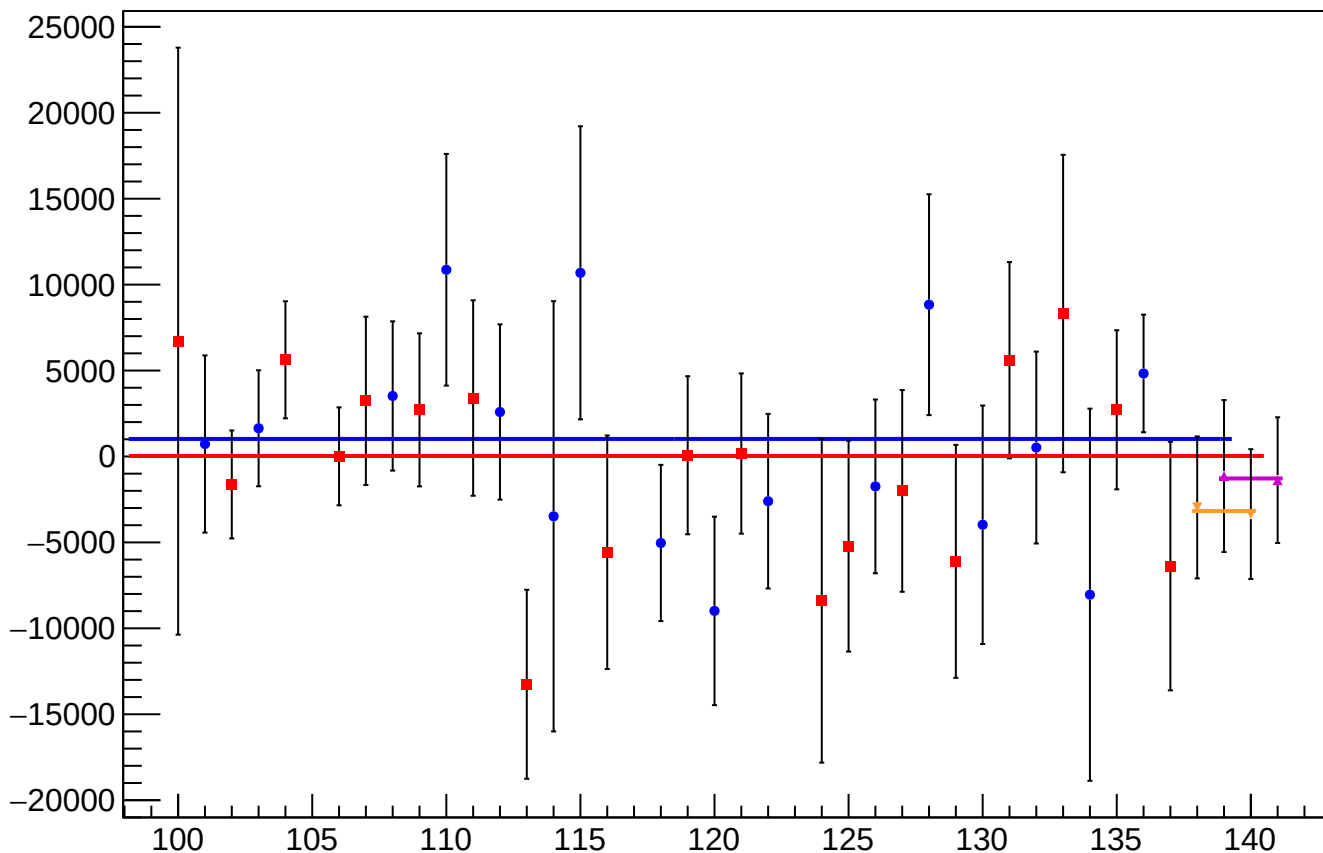
Left In: 1235.640 $\pm$ 0.664 χ^2 /NDF: 1222.8/1

+ sign 1193.560 $\pm$ 0.289 χ^2 /NDF: 632198.7/17

All: 1176.596 $\pm$ 0.200 χ^2 /NDF: 1153250.3/38

- sign 1160.778 $\pm$ 0.279 χ^2 /NDF: 514375.6/20

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

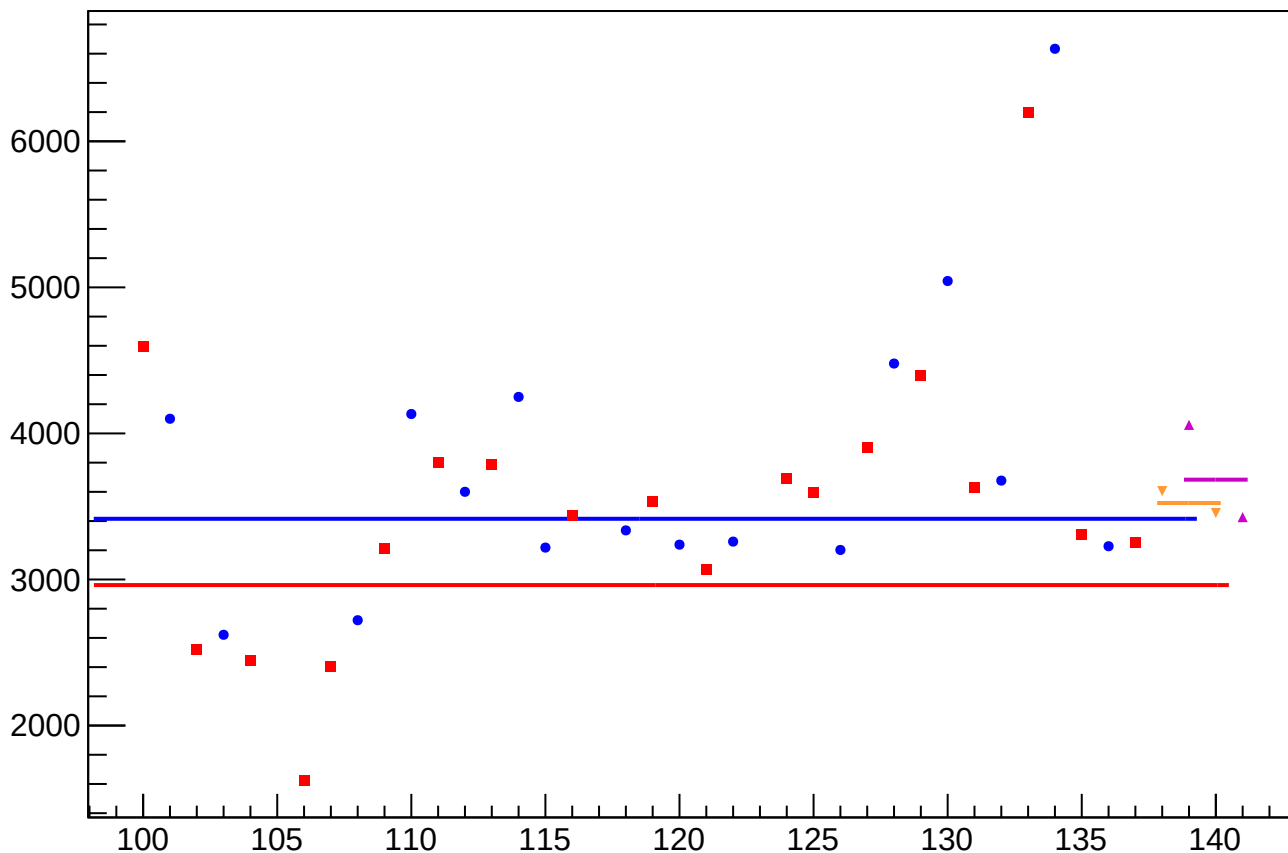
Left In: -1280.365+/-2818.391 χ^2/NDF : 0.0/1

+ sign 269.058+/-1179.985 χ^2/NDF : 15.7/17

All: 34.202+/-784.172 χ^2/NDF : 32.1/38

- sign -151.560+/-1049.433 χ^2/NDF : 16.3/20

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF : 592344.0/15

Left Out: 3523.687+/-1.971 χ^2/NDF : 1431.4/1

Right Out: 2961.798+/-0.800 χ^2/NDF : 1169257.4/18

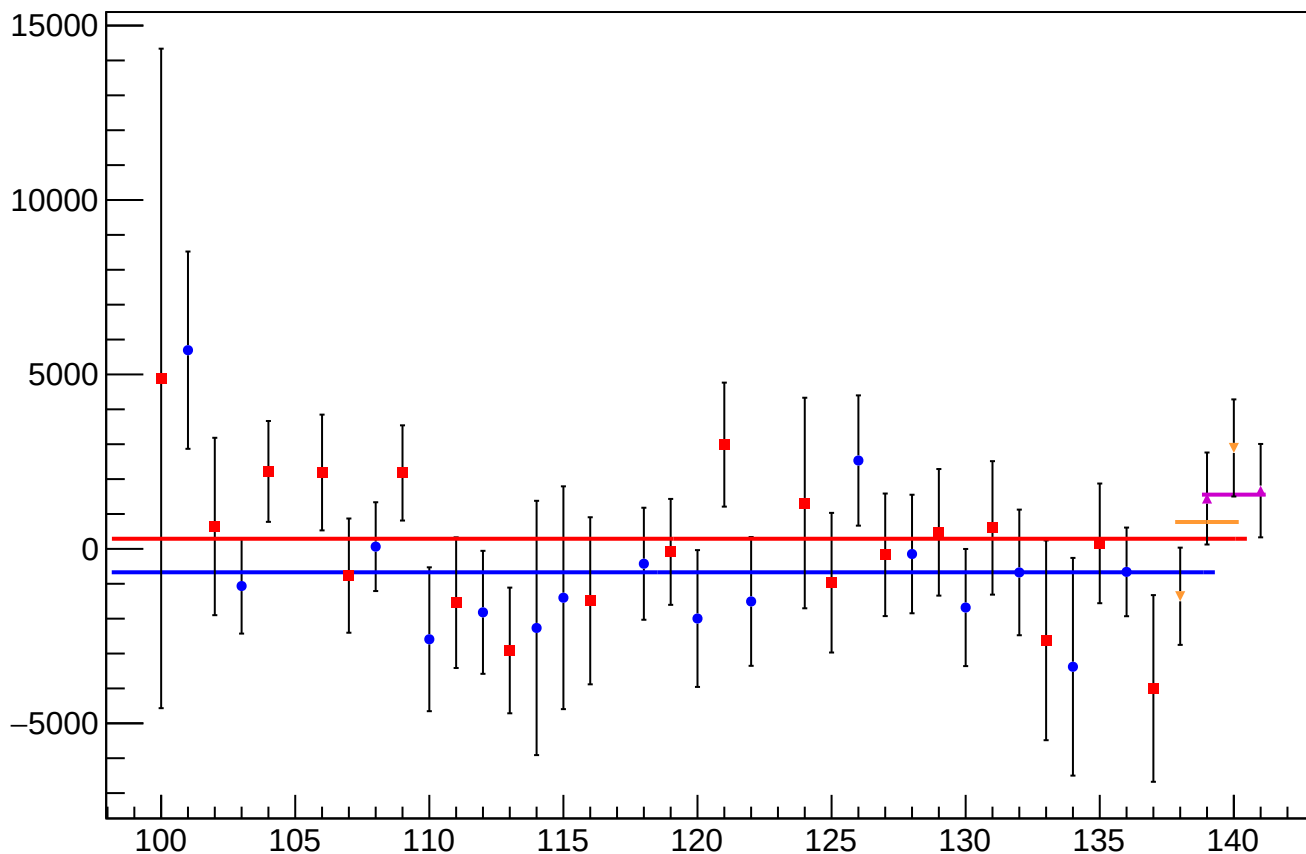
Left In: 3683.462+/-1.993 χ^2/NDF : 24237.5/1

+ sign 3434.964+/-0.834 χ^2/NDF : 596243.9/17

All: 3226.635+/-0.554 χ^2/NDF : 2014338.1/38

- sign 3061.854+/-0.742 χ^2/NDF : 1306443.0/20

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF : 11.9/15

Left Out: 770.509+/-984.727 χ^2/NDF : 4.7/1

Right Out: 290.316+/-434.425 χ^2/NDF : 16.9/18

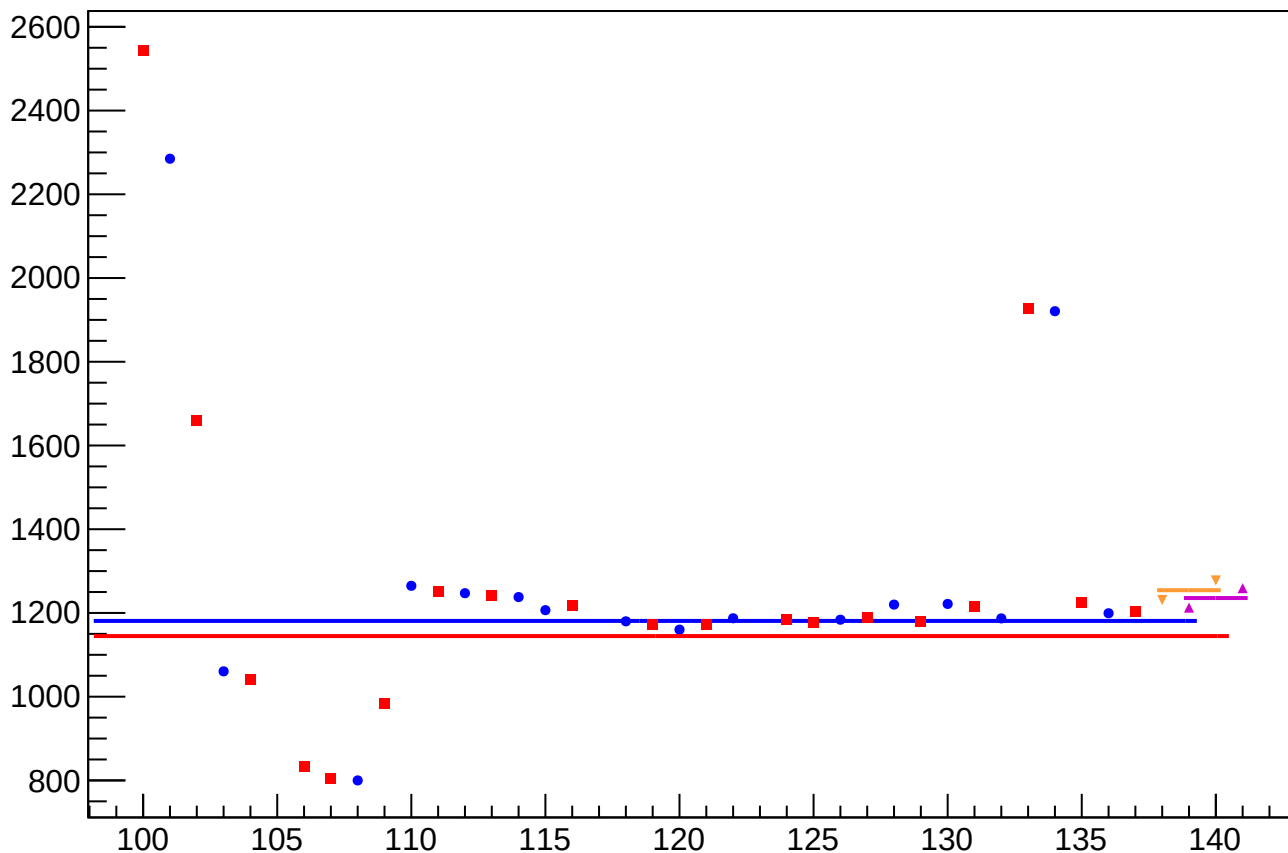
Left In: 1554.705+/-939.224 χ^2/NDF : 0.0/1

+ sign -423.201+/-408.159 χ^2/NDF : 18.3/17

All: 61.151+/-283.582 χ^2/NDF : 39.5/38

- sign 513.147+/-394.290 χ^2/NDF : 18.4/20

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF : 621878.9/15

Left Out: 1254.321+/-0.696 χ^2/NDF : 1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF : 497730.2/18

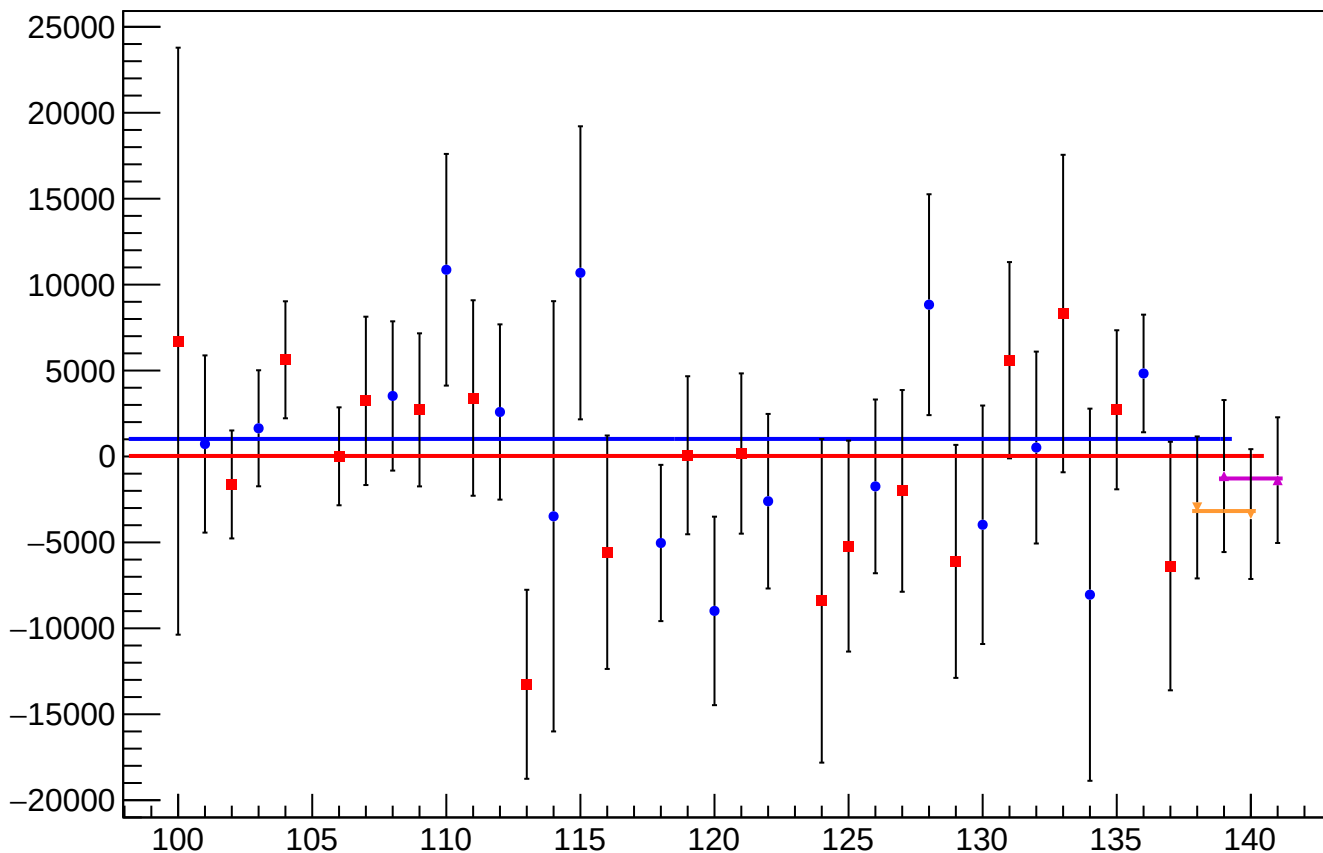
Left In: 1235.641+/-0.664 χ^2/NDF : 1222.7/1

+ sign 1193.560+/-0.289 χ^2/NDF : 632199.0/17

All: 1176.596+/-0.200 χ^2/NDF : 1153250.0/38

- sign 1160.778+/-0.279 χ^2/NDF : 514375.1/20

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

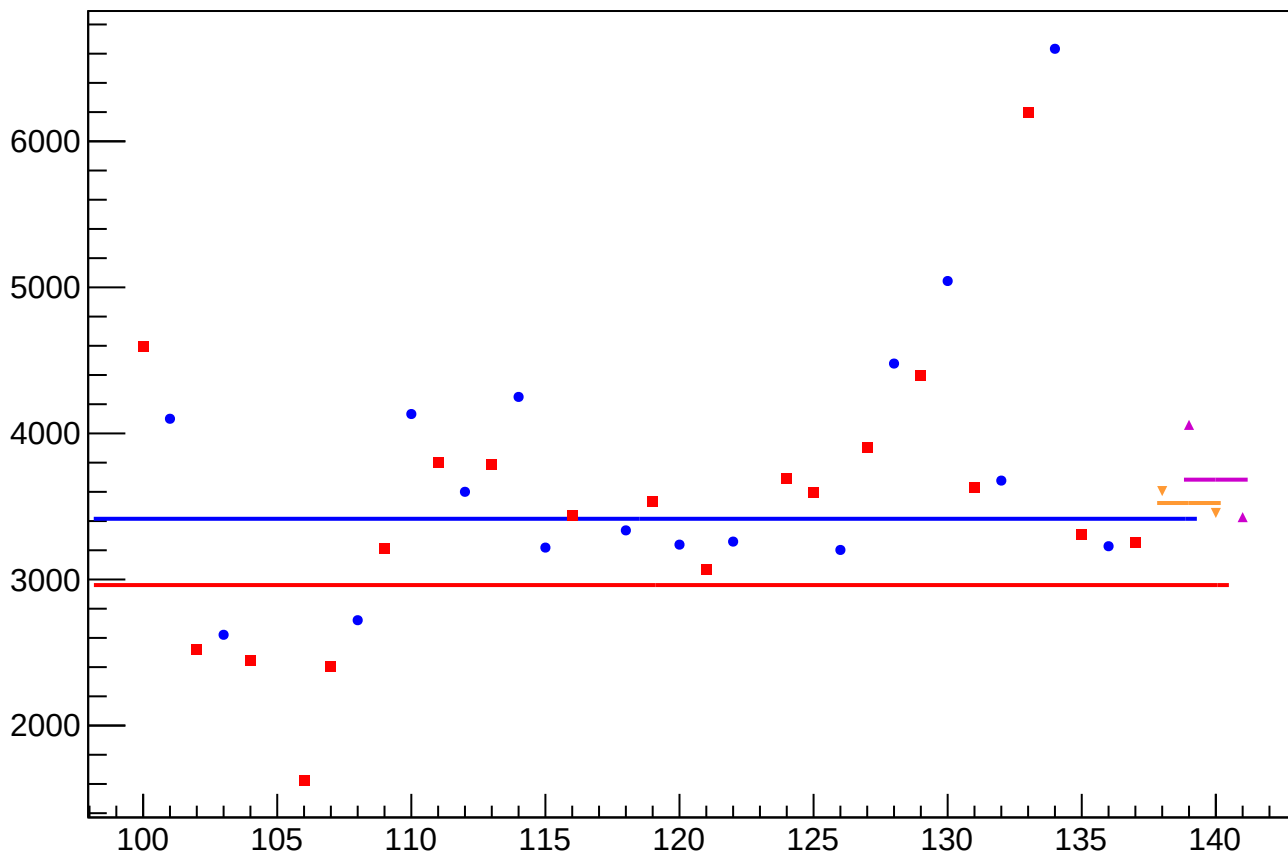
Left In: -1280.383+/-2818.392 χ^2/NDF : 0.0/1

+ sign 269.046+/-1179.984 χ^2/NDF : 15.7/17

All: 34.199+/-784.171 χ^2/NDF : 32.1/38

- sign -151.557+/-1049.431 χ^2/NDF : 16.3/20

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

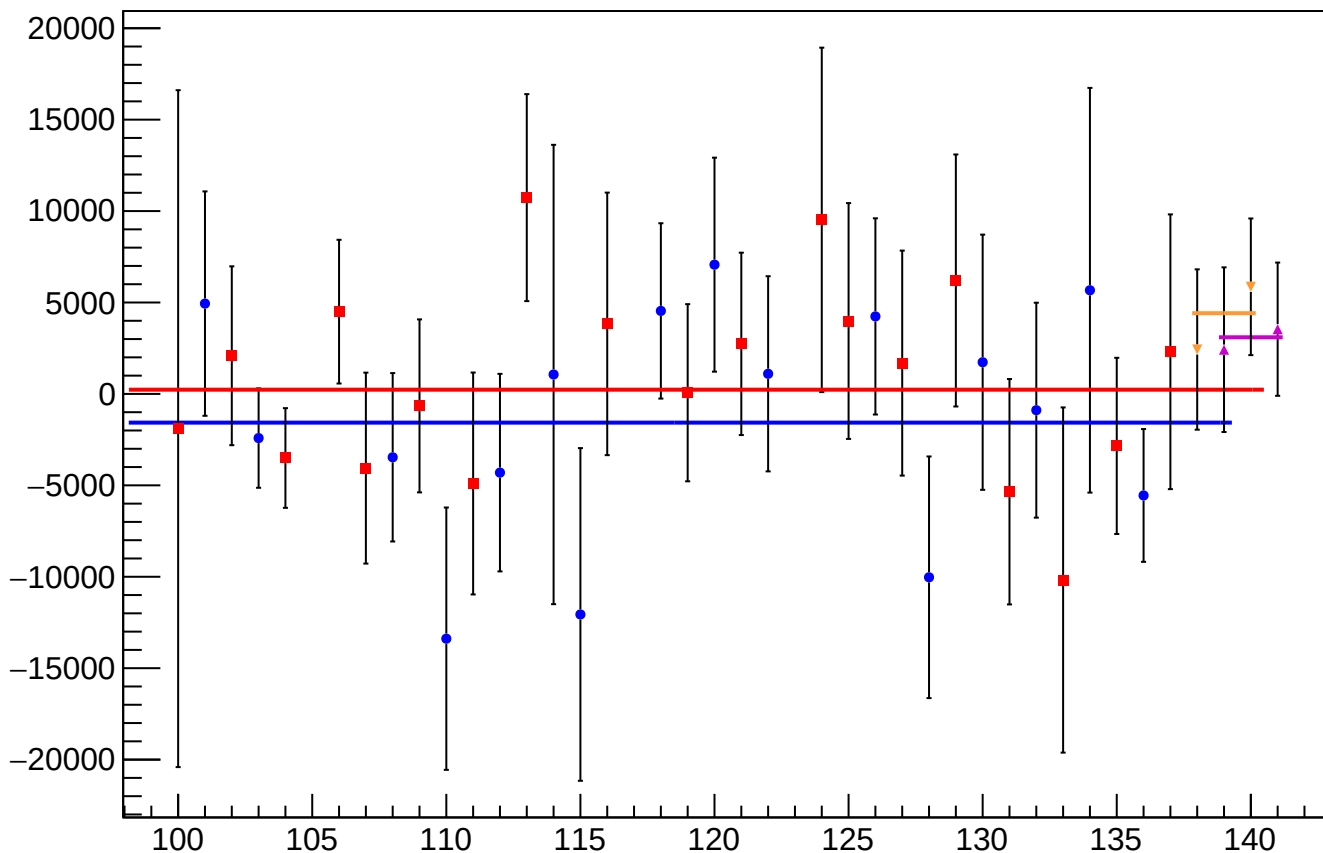
Left In: 3683.463+/-1.993 χ^2 /NDF:24238.1/1

+ sign 3434.961+/-0.834 χ^2 /NDF: 596239.2/17

All: 3226.631+/-0.554 χ^2 /NDF: 2014336.7/38

- sign 3061.849+/-0.742 χ^2 /NDF: 1306445.1/20

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809 ± 1312.937 χ^2/NDF : 14.5/15

Left Out: 4415.657 ± 2844.206 χ^2/NDF : 0.4/1

Right Out: 231.125 ± 1224.318 χ^2/NDF : 13.2/18

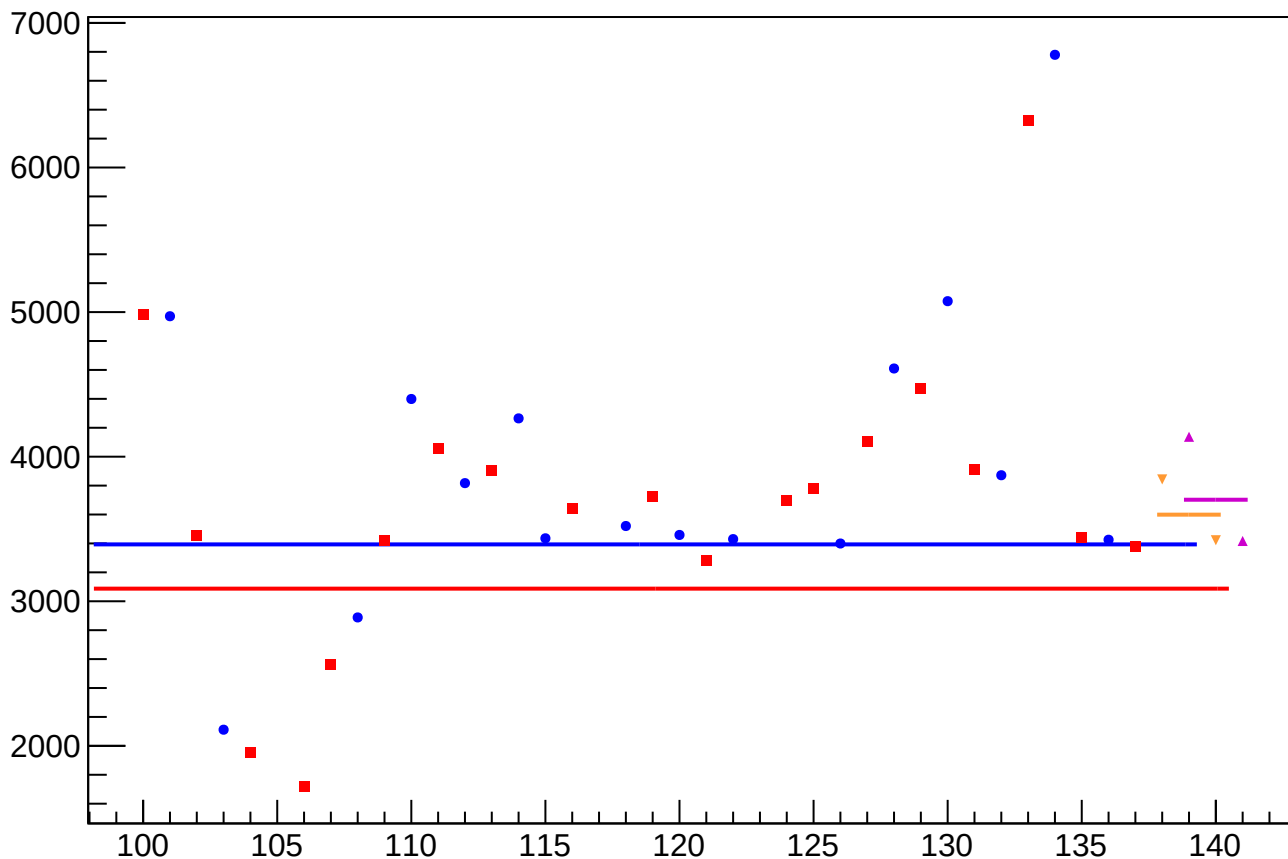
Left In: 3096.706 ± 2832.269 χ^2/NDF : 0.0/1

+ sign -518.403 ± 1192.057 χ^2/NDF : 18.5/17

All: 117.293 ± 817.718 χ^2/NDF : 33.1/38

- sign 682.287 ± 1123.813 χ^2/NDF : 14.1/20

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF : 1048707.6/15

Left Out: 3599.036+/-2.011 χ^2/NDF : 10671.5/1

Right Out: 3087.307+/-0.851 χ^2/NDF : 1328355.8/18

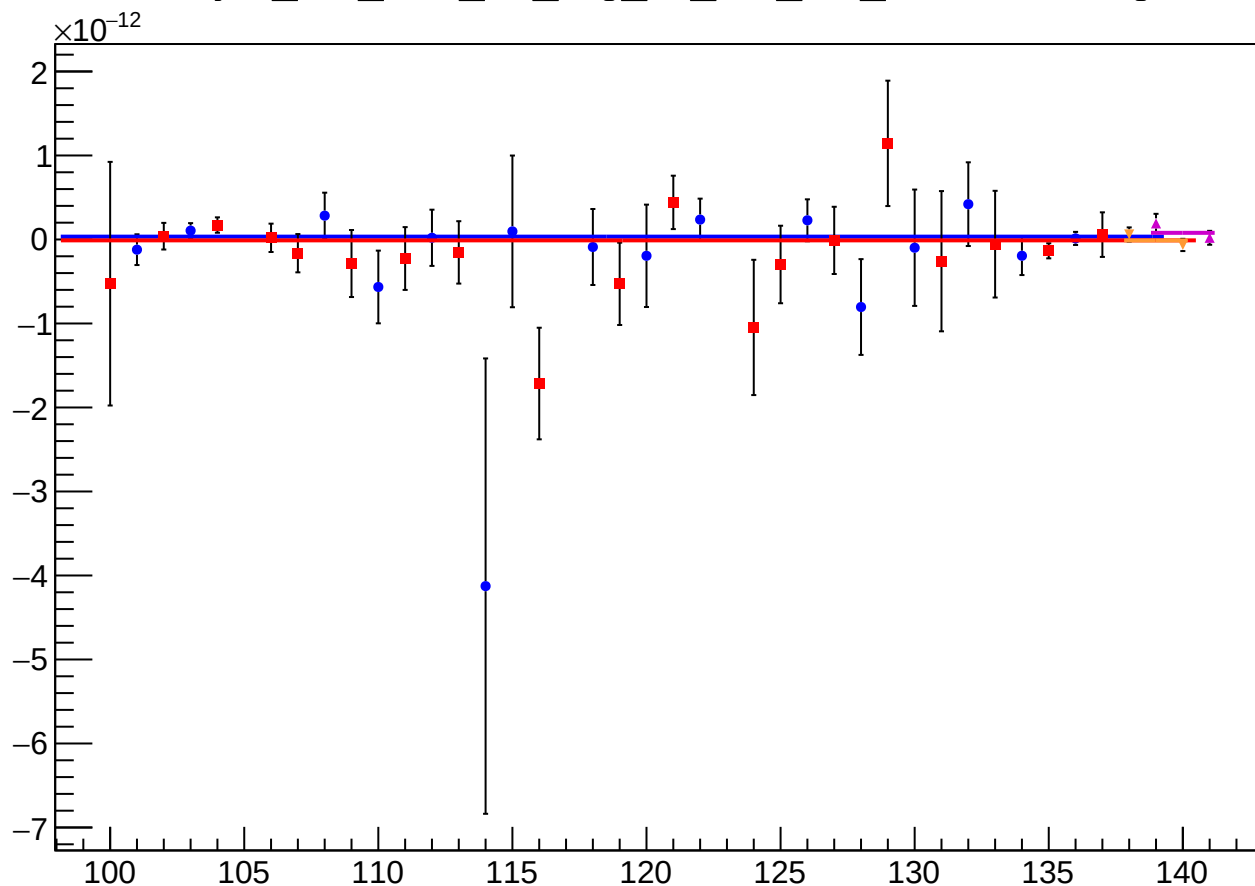
Left In: 3702.238+/-2.003 χ^2/NDF : 30959.7/1

+ sign 3429.493+/-0.843 χ^2/NDF : 1068000.1/17

All: 3296.379+/-0.574 χ^2/NDF : 2553649.9/38

- sign 3181.398+/-0.783 χ^2/NDF : 1439168.6/20

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF : 1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF : 21.9/18

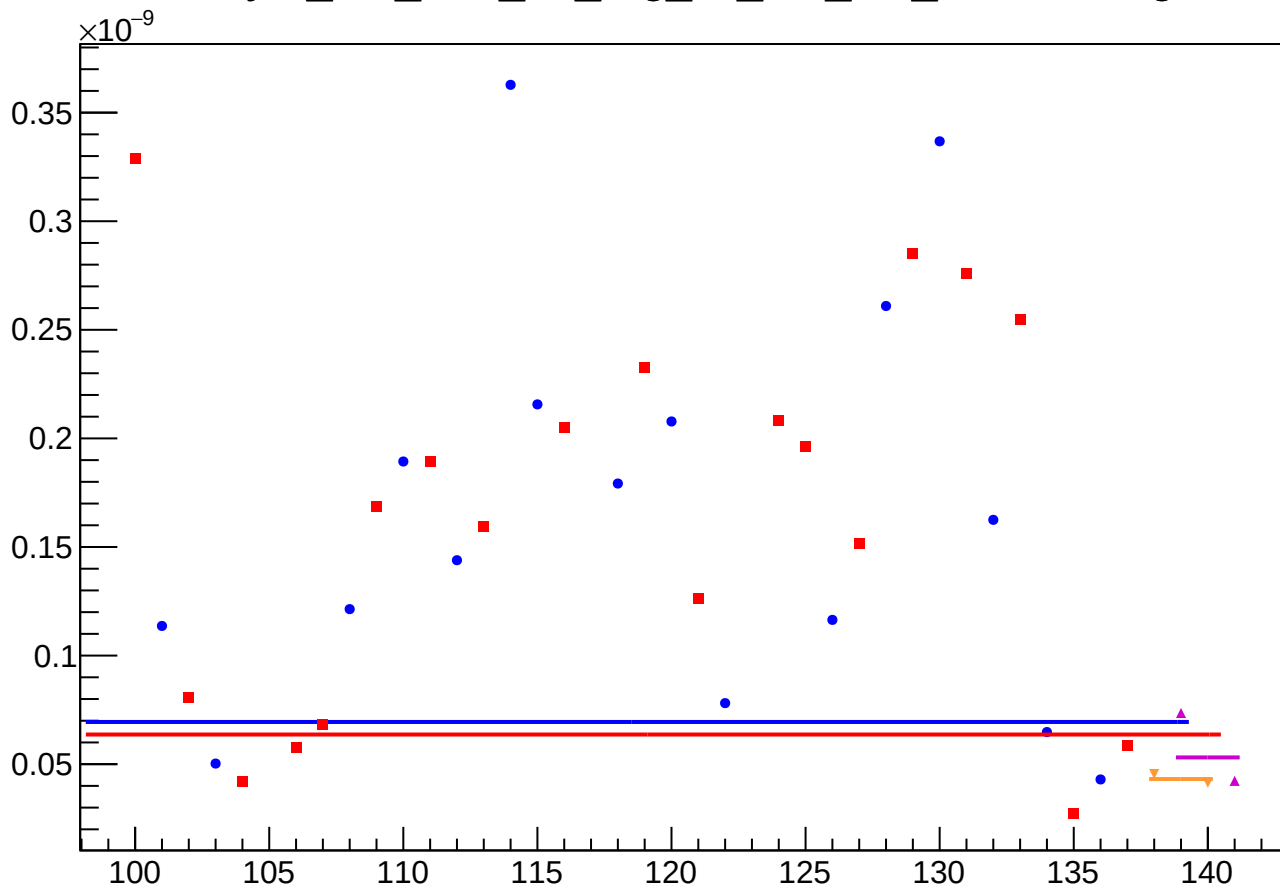
Left In: 0.000+/-0.000 χ^2/NDF : 1.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 13.5/17

All: 0.000+/-0.000 χ^2/NDF : 38.0/38

- sign 0.000+/-0.000 χ^2/NDF : 24.5/20

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

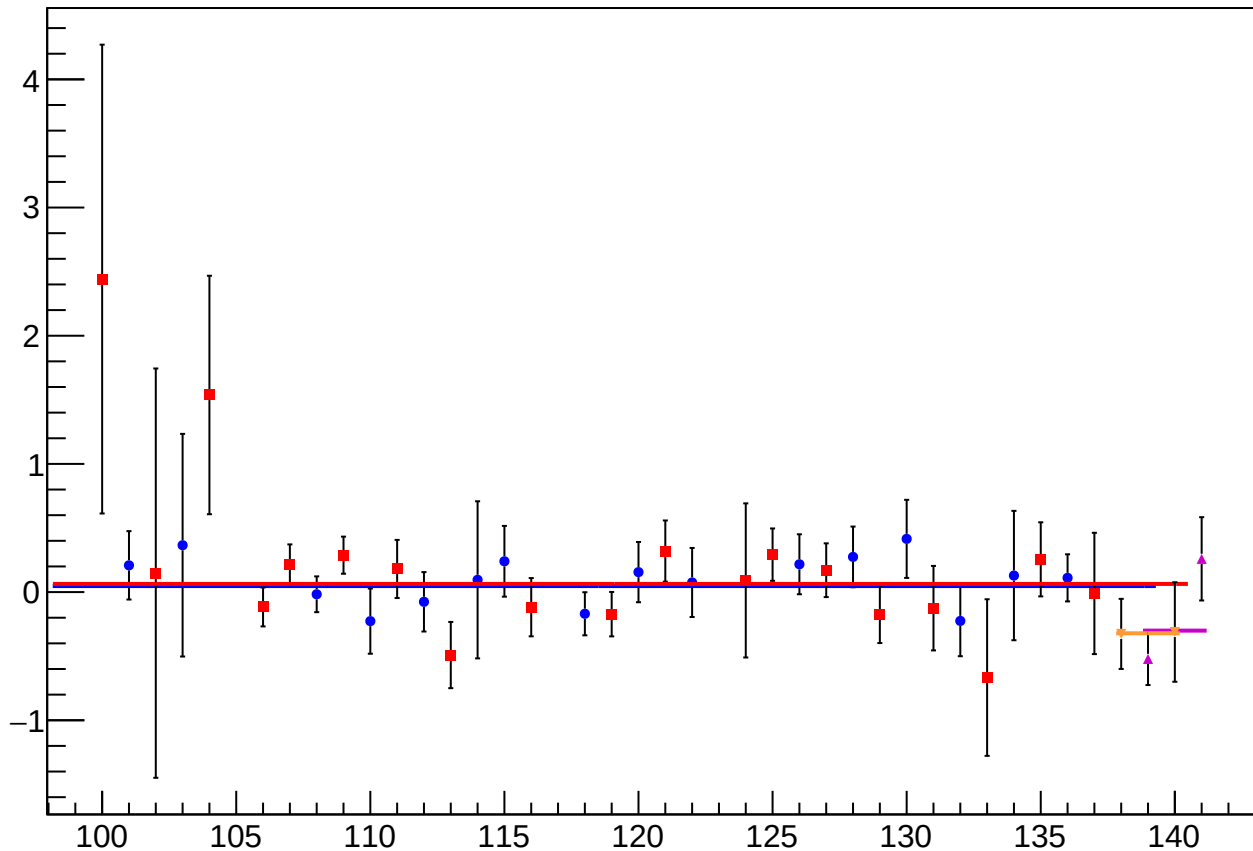
Left In: 0.000+/-0.000 χ^2/NDF : 98410.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 1986634.2/17

All: 0.000+/-0.000 χ^2/NDF : 4370430.1/38

- sign 0.000+/-0.000 χ^2/NDF : 2380821.9/20

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 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

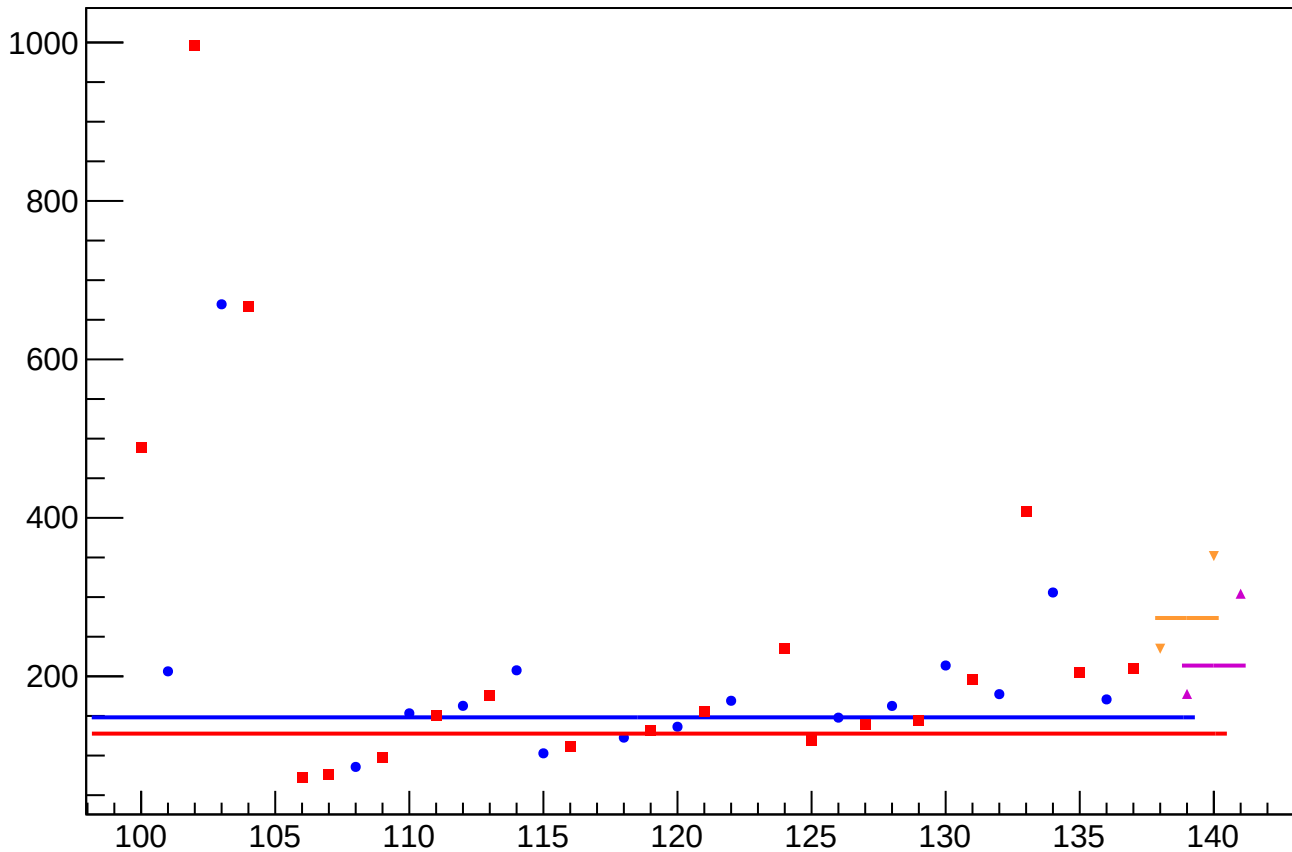
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.027 $\pm$ 0.039 χ^2 /NDF: 41.5/38

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF : 1710035.6/15

Left Out: 273.625+/-0.158 χ^2/NDF :121273.7/1

Right Out: 127.685+/-0.039 χ^2/NDF : 2841780.7/18

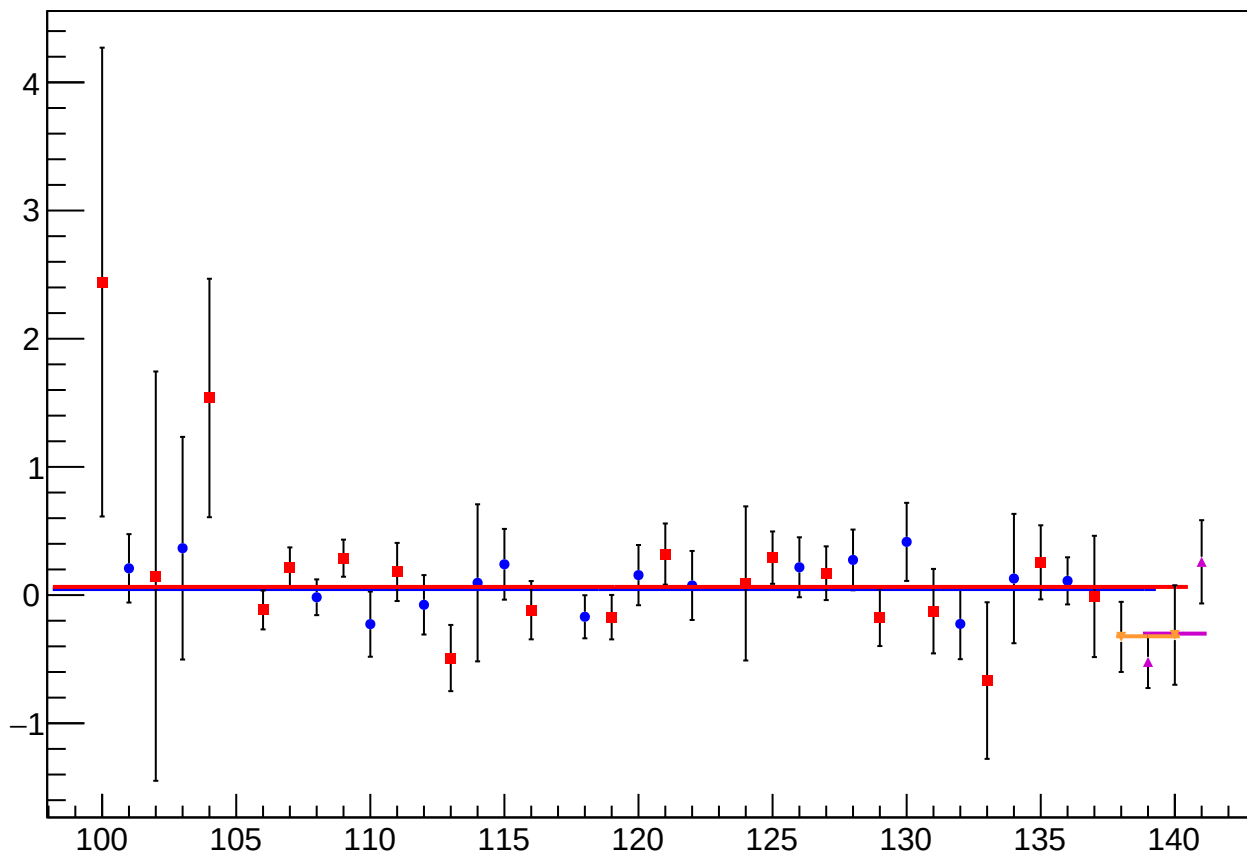
Left In: 213.564+/-0.122 χ^2/NDF :217379.2/1

+ sign 156.671+/-0.041 χ^2/NDF : 2418039.8/17

All: 144.965+/-0.027 χ^2/NDF : 6074006.6/38

- sign 135.504+/-0.037 χ^2/NDF : 3508516.4/20

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

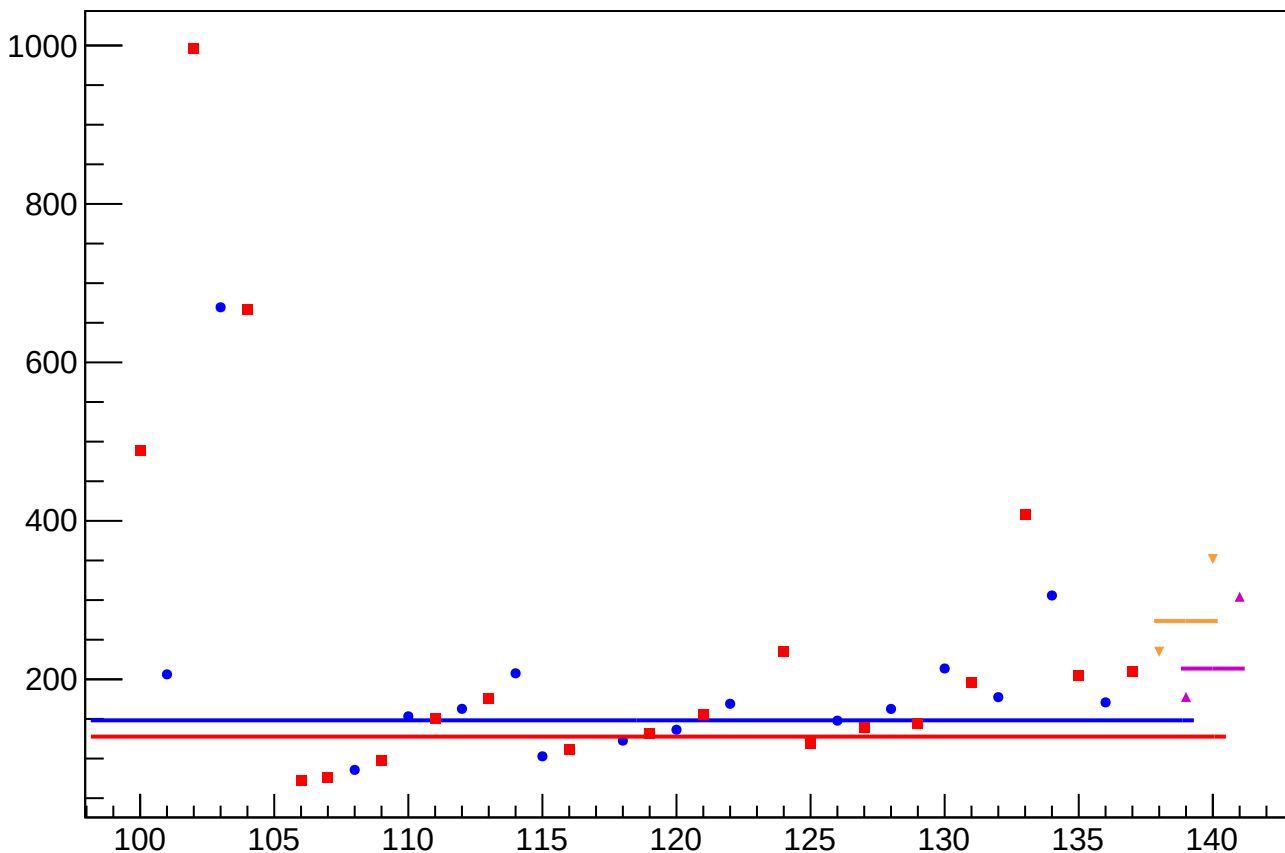
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.027 $\pm$ 0.039 χ^2 /NDF: 41.5/38

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF : 1710035.6/15

Left Out: 273.625+/-0.158 χ^2/NDF : 121273.7/1

+ sign 156.671+/-0.041 χ^2/NDF : 2418039.8/17

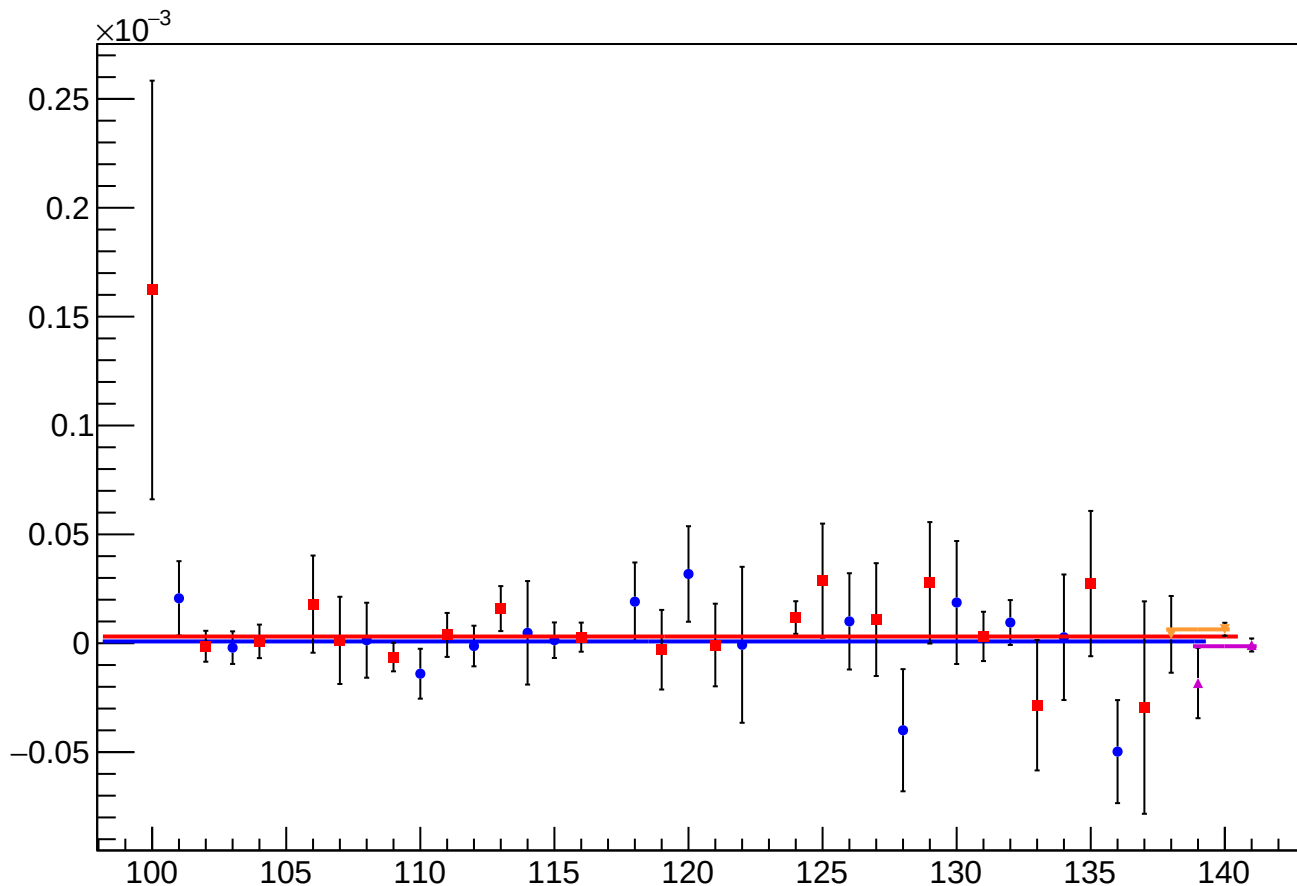
Right Out: 127.685+/-0.039 χ^2/NDF : 2841780.7/18

All: 144.965+/-0.027 χ^2/NDF : 6074006.6/38

- sign 135.504+/-0.037 χ^2/NDF : 3508516.4/20

Left In: 213.564+/-0.122 χ^2/NDF : 217379.2/1

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

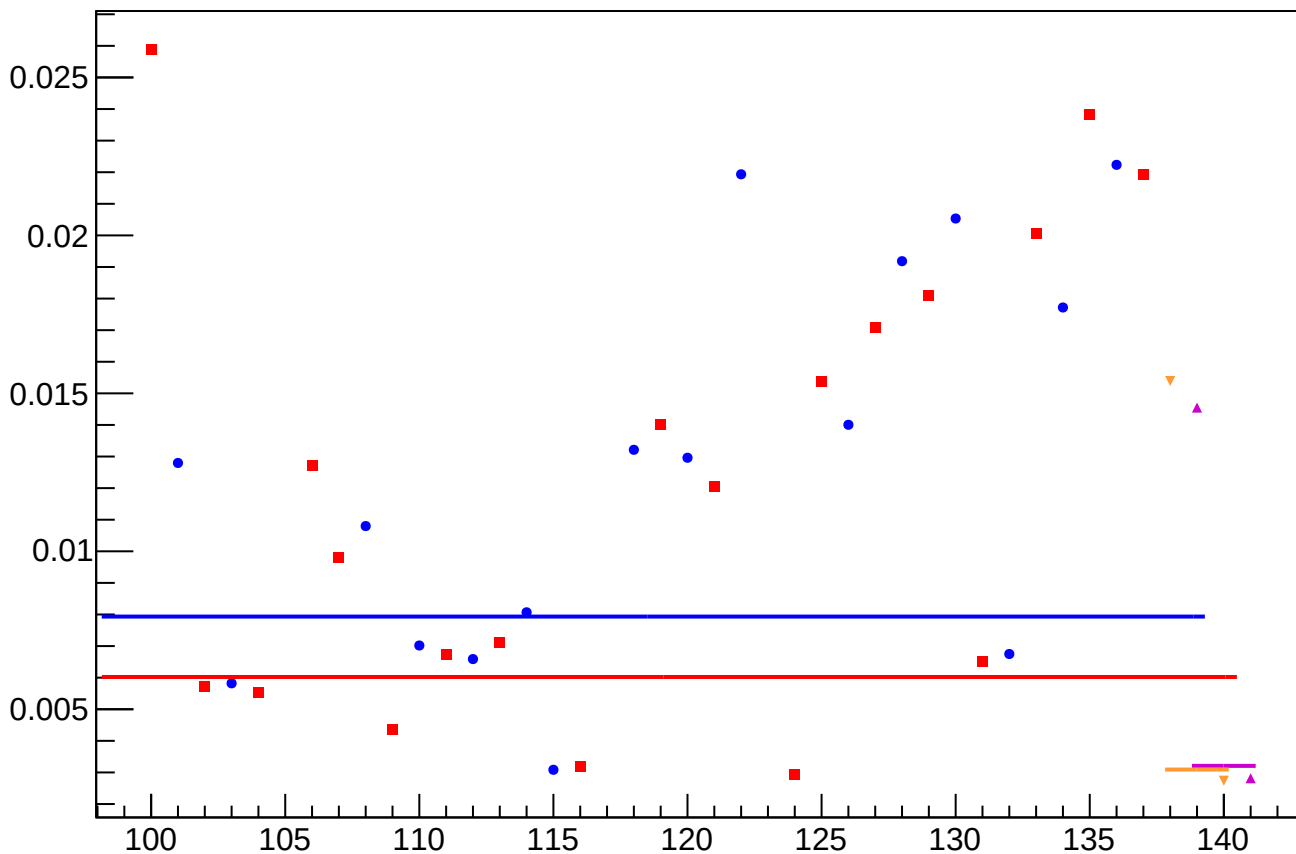
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/20

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

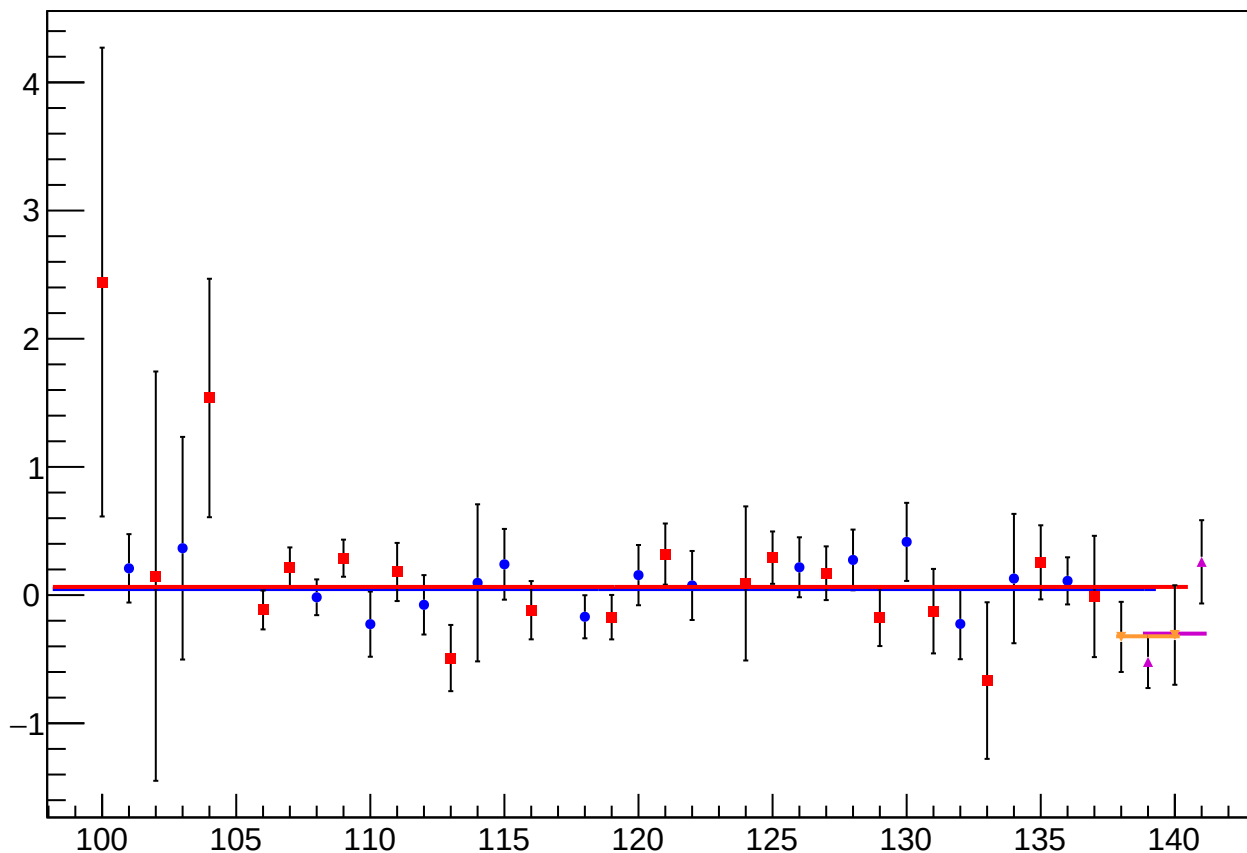
Left In: 0.003+/-0.000 χ^2/NDF : 1019135.3/1

+ sign 0.005+/-0.000 χ^2/NDF : 6849533.1/17

All: 0.005+/-0.000 χ^2/NDF : 12918577.8/38

- sign 0.005+/-0.000 χ^2/NDF : 6041054.6/20

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

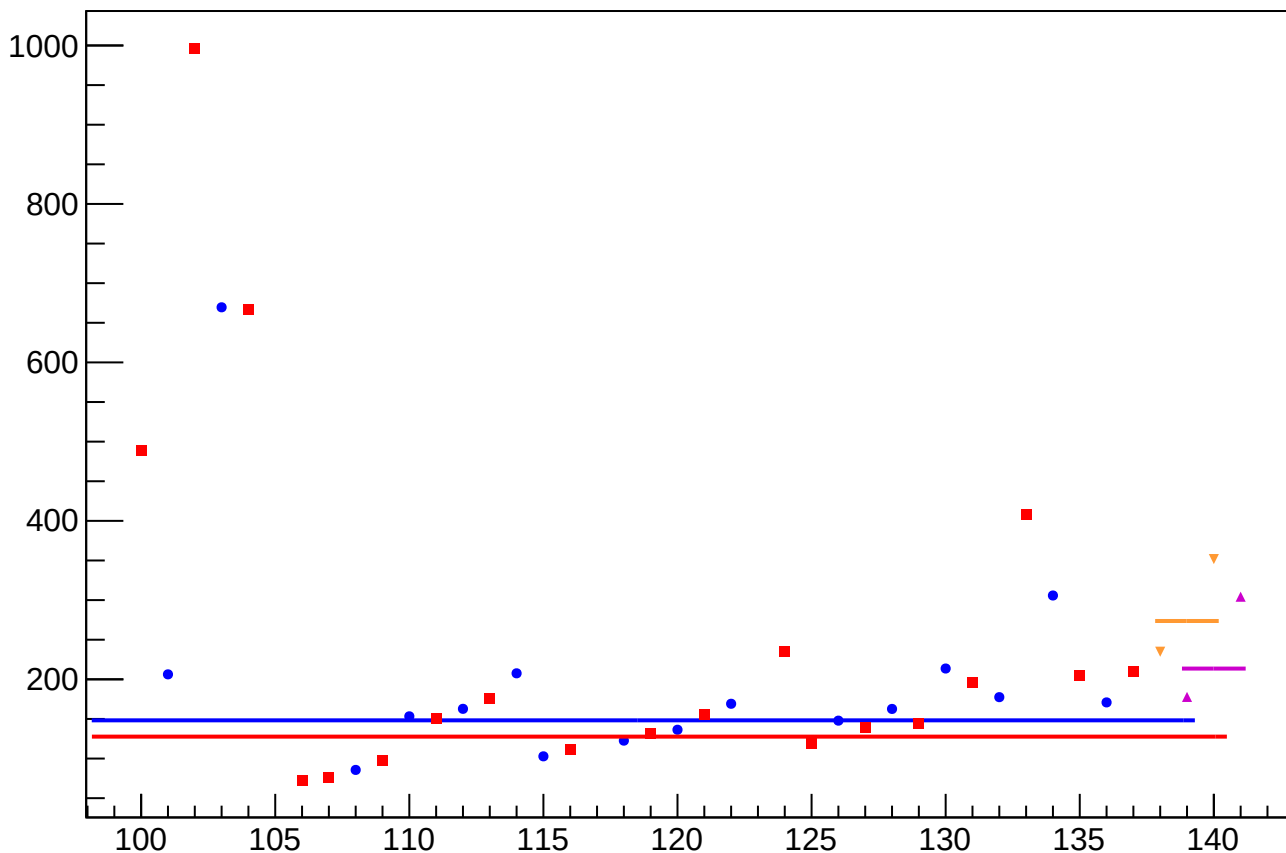
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.027 $\pm$ 0.039 χ^2 /NDF: 41.5/38

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

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

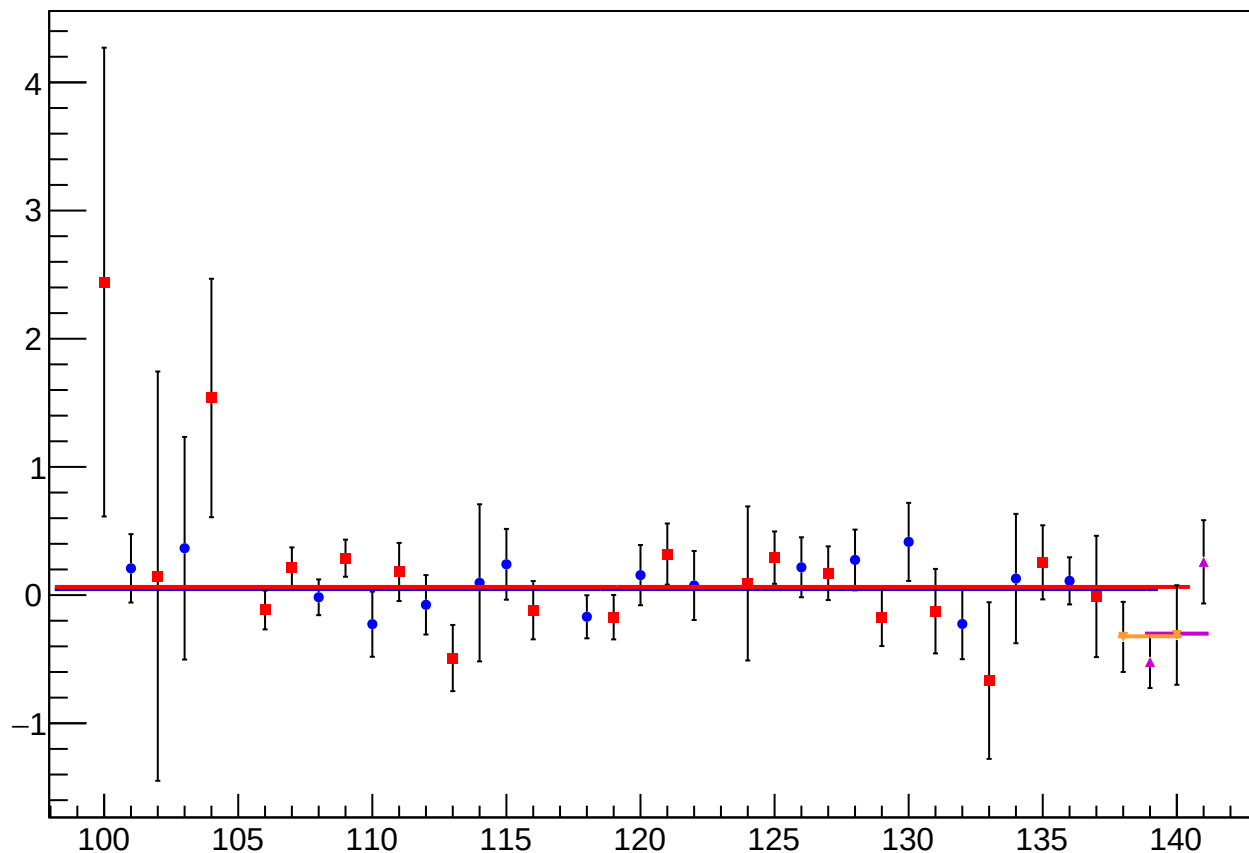
Left In: 213.567 $\pm$ 0.122 χ^2 /NDF:217362.6/1

+ sign 156.669 $\pm$ 0.041 χ^2 /NDF: 2418151.2/17

All: 144.964 $\pm$ 0.027 χ^2 /NDF: 6074077.8/38

- sign 135.504 $\pm$ 0.037 χ^2 /NDF: 3508509.9/20

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

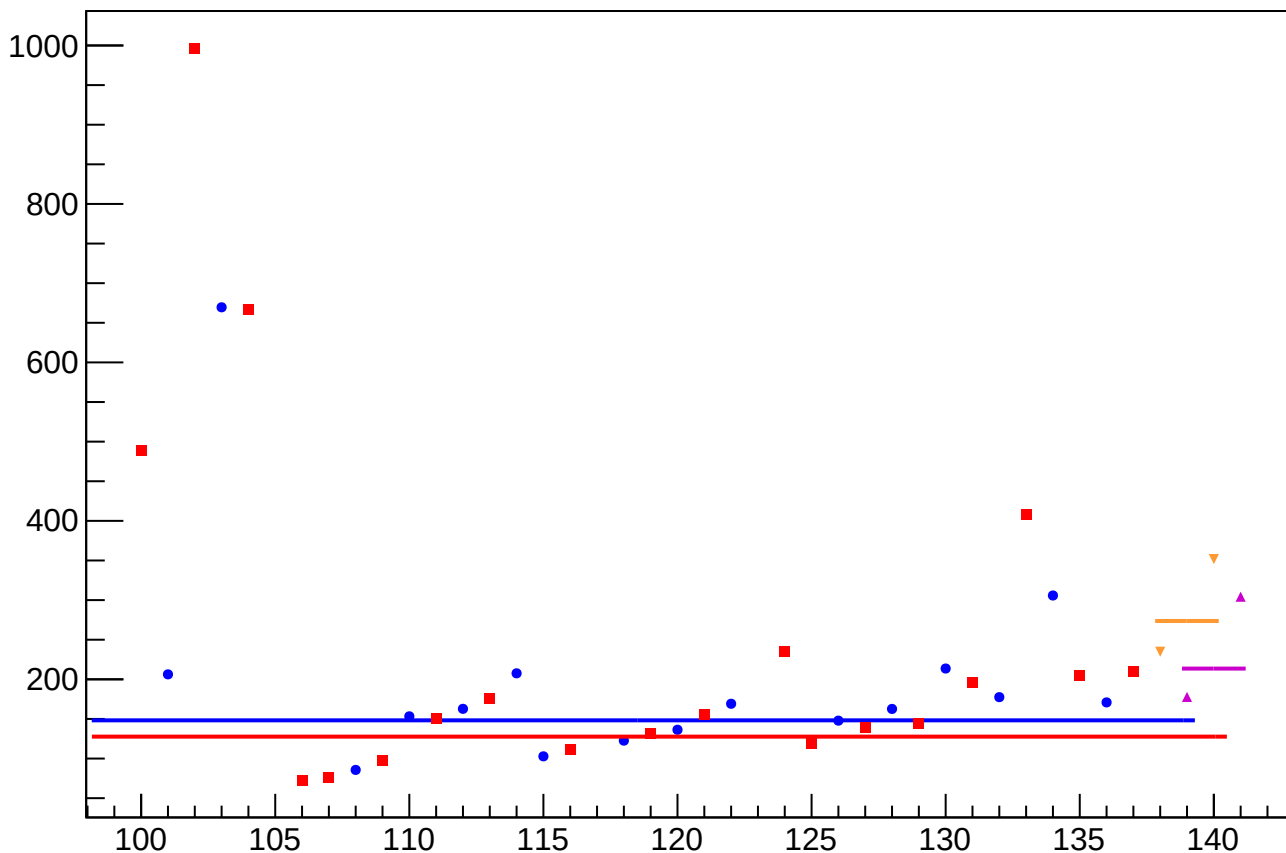
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.022 $\pm$ 0.058 χ^2 /NDF: 11.1/17

All: 0.027 $\pm$ 0.039 χ^2 /NDF: 41.5/38

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

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

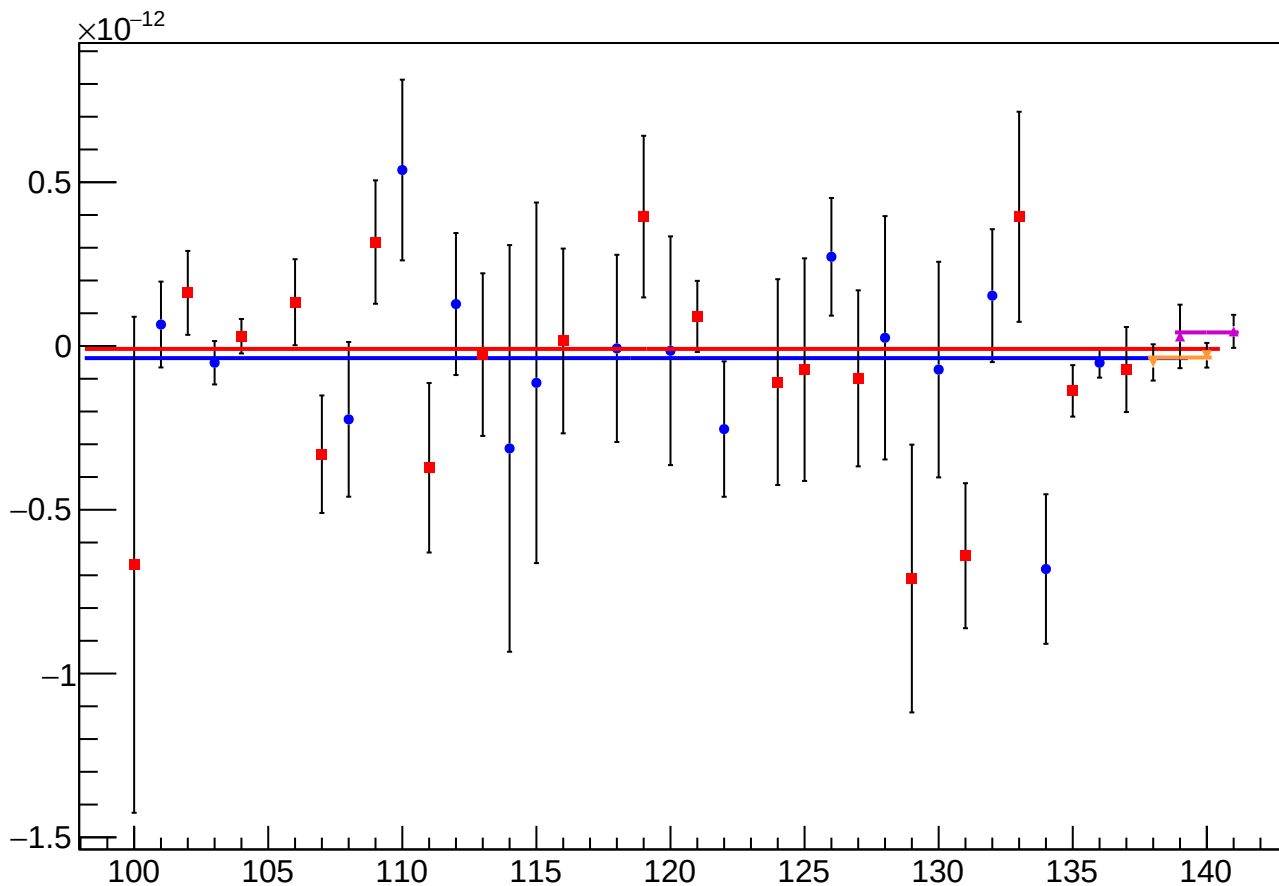
Left In: 213.567+/-0.122 χ^2/NDF :217362.6/1

+ sign 156.669+/-0.041 χ^2/NDF : 2418151.2/17

All: 144.964+/-0.027 χ^2/NDF : 6074077.8/38

- sign 135.504+/-0.037 χ^2/NDF : 3508509.9/20

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

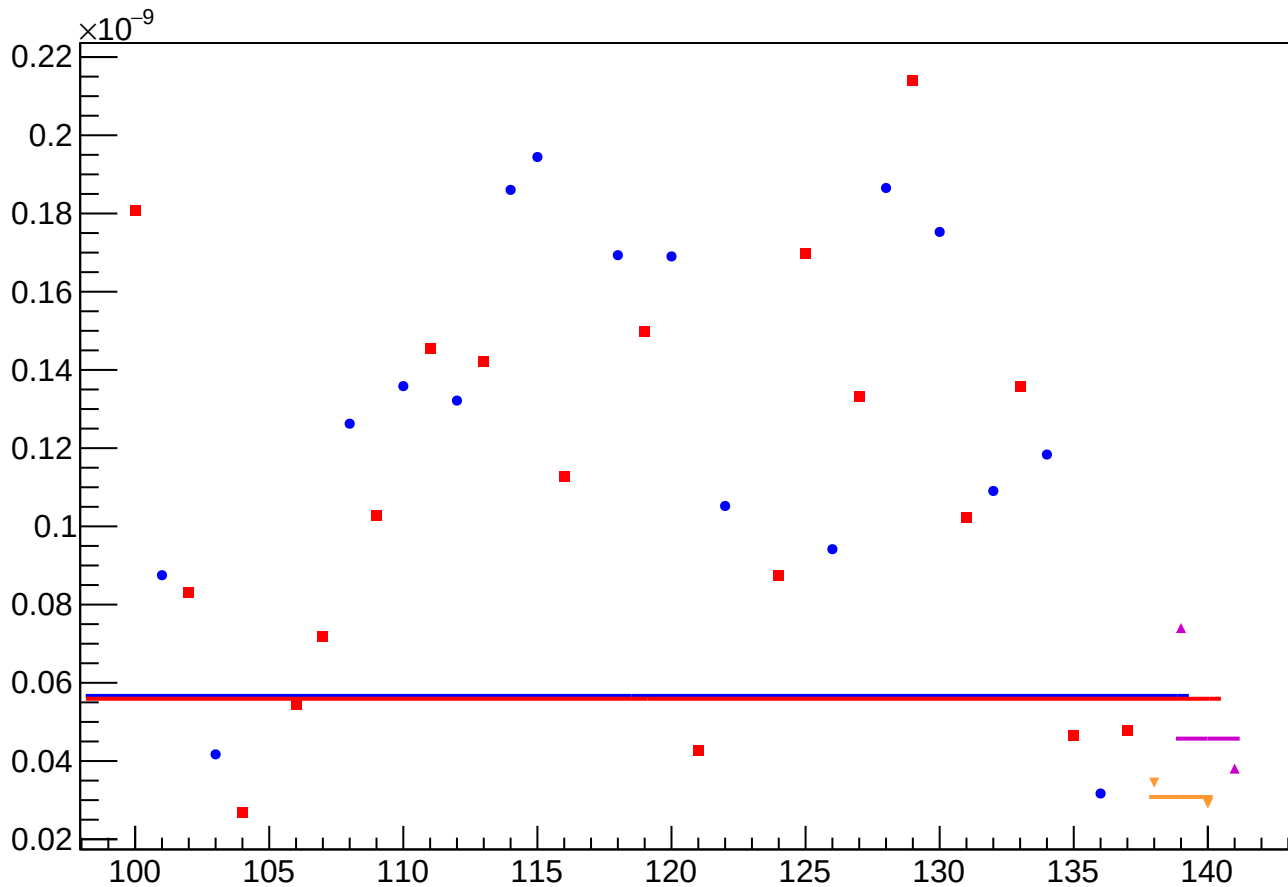
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 19.6/17

All: -0.000+/-0.000 χ^2/NDF : 53.9/38

- sign 0.000+/-0.000 χ^2/NDF : 32.6/20

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

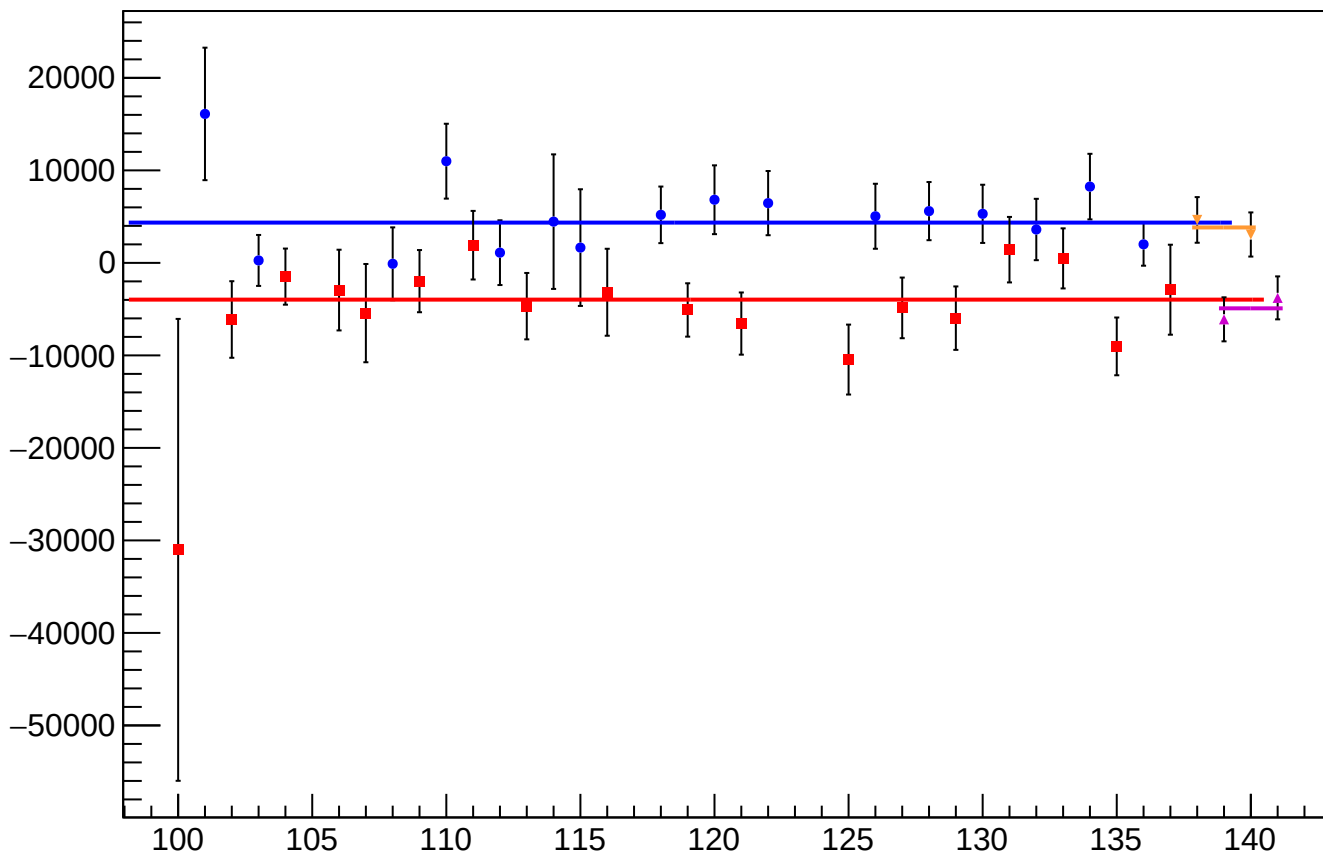
Left In: 0.000+/-0.000 χ^2/NDF :216583.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3792692.1/17

All: 0.000+/-0.000 χ^2/NDF : 6953532.4/38

- sign 0.000+/-0.000 χ^2/NDF : 3018231.9/20

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350 $\pm$ 875.155 χ^2 /NDF: 13.4/15

Left Out: 3829.958 $\pm$ 1715.254 χ^2 /NDF: 0.2/1

Right Out: -3971.679 $\pm$ 871.305 χ^2 /NDF: 16.2/17

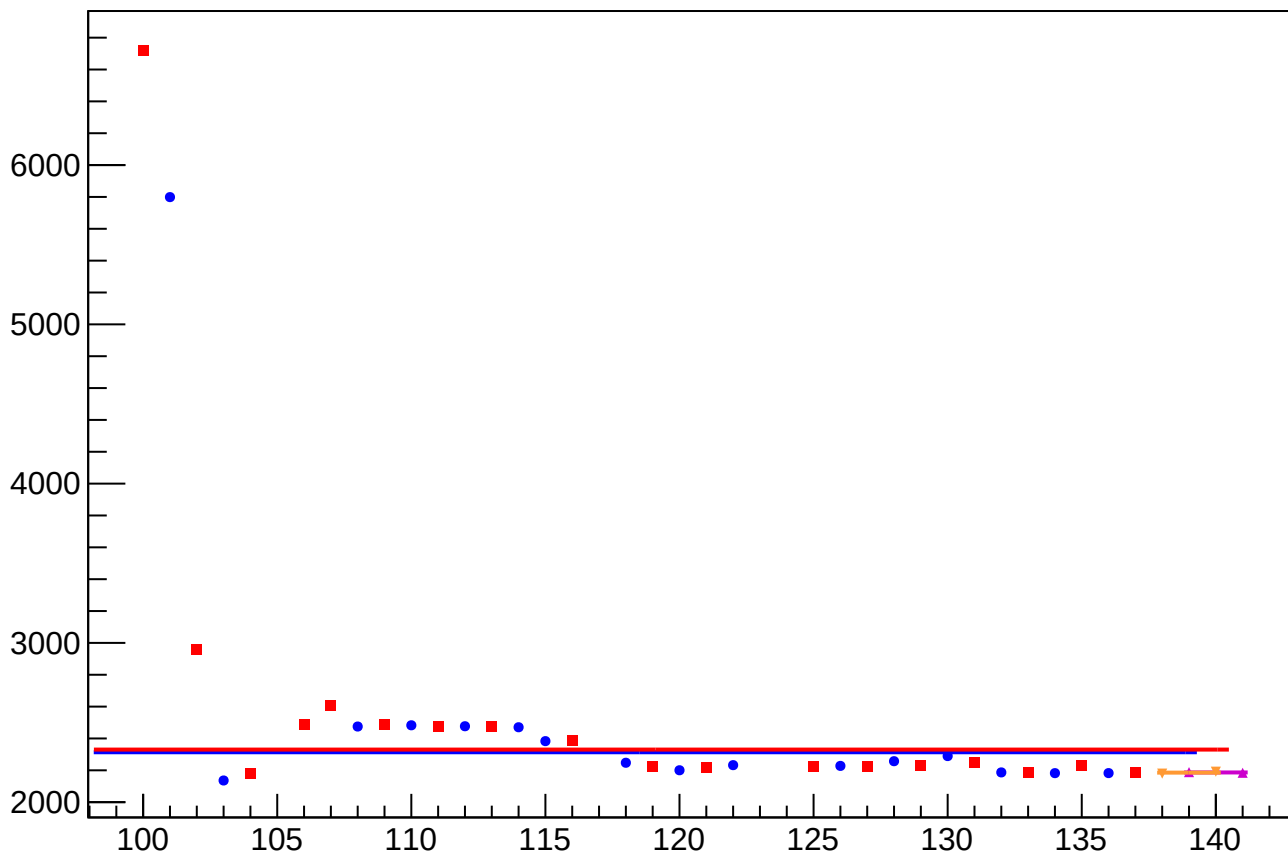
Left In: -4913.579 $\pm$ 1661.827 χ^2 /NDF: 0.5/1

+ sign 4246.035 $\pm$ 779.550 χ^2 /NDF: 13.7/17

All: -7.135 $\pm$ 548.419 χ^2 /NDF: 89.5/37

- sign -4174.774 $\pm$ 771.672 χ^2 /NDF: 16.9/19

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

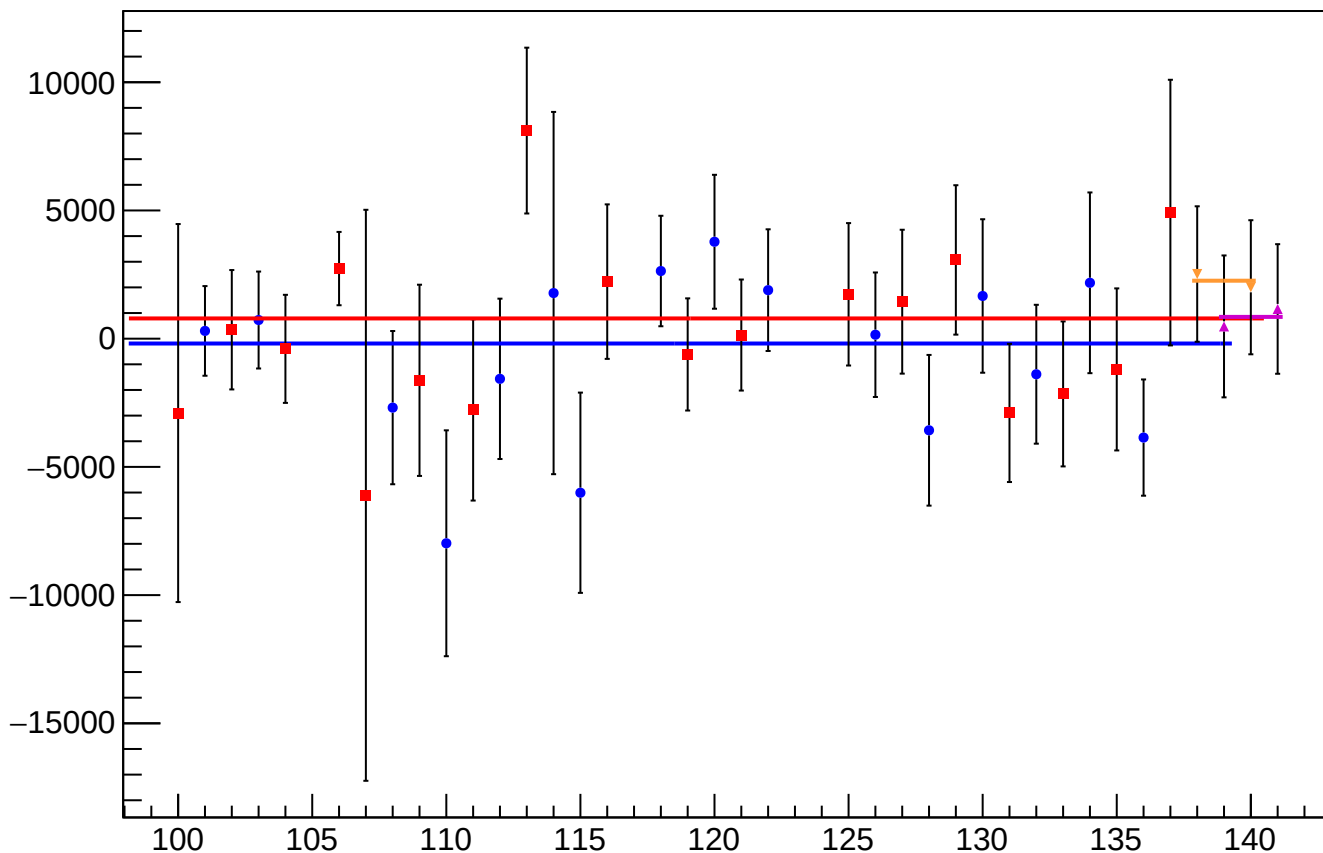
Left In: 2186.585+/-1.175 χ^2/NDF : 2.9/1

+ sign 2286.997+/-0.551 χ^2/NDF : 521219.0/17

All: 2293.177+/-0.388 χ^2/NDF : 684397.5/37

- sign 2299.234+/-0.546 χ^2/NDF : 162929.6/19

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

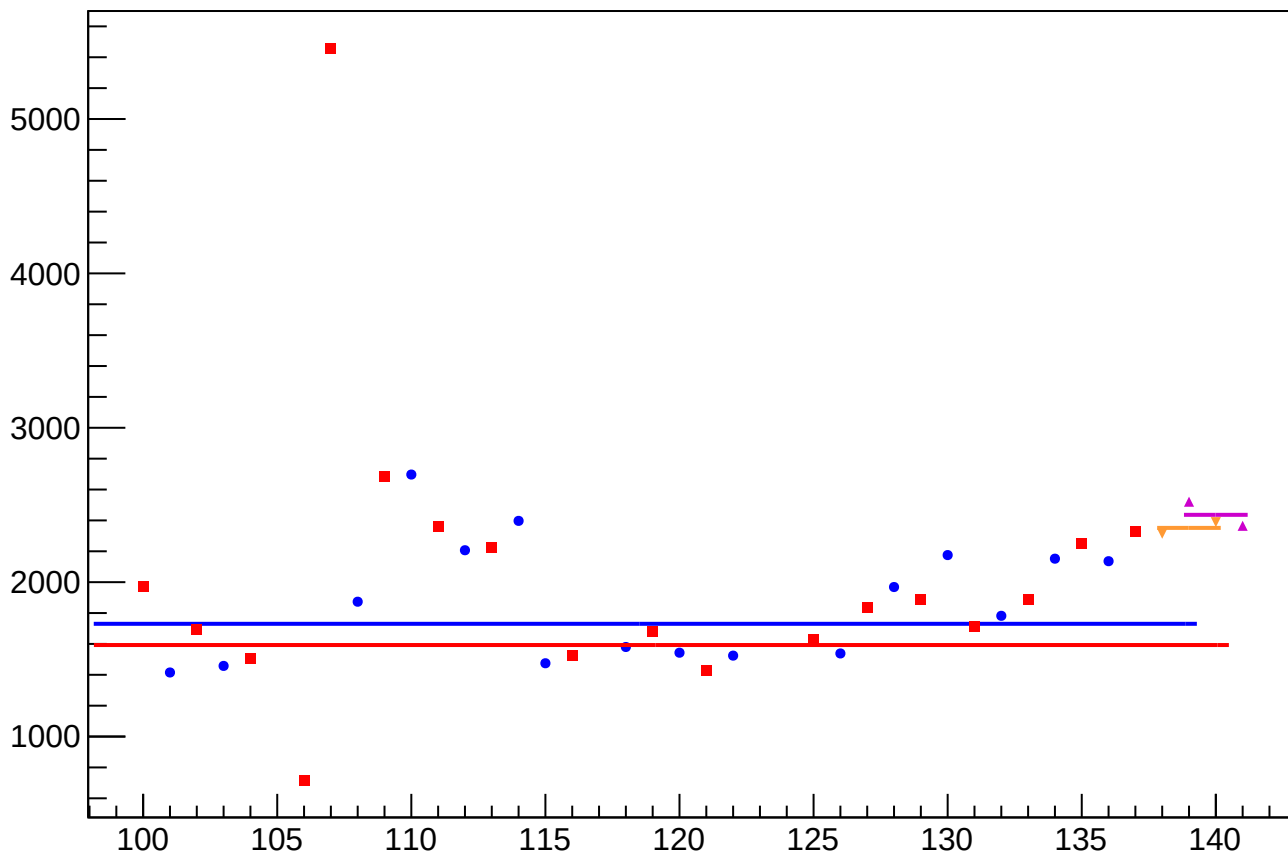
Left In: 849.306+/-1865.800 χ^2/NDF : 0.0/1

+ sign 84.558+/-620.531 χ^2/NDF : 18.0/17

All: 451.383+/-431.731 χ^2/NDF : 33.6/37

- sign 795.543+/-601.054 χ^2/NDF : 14.9/19

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

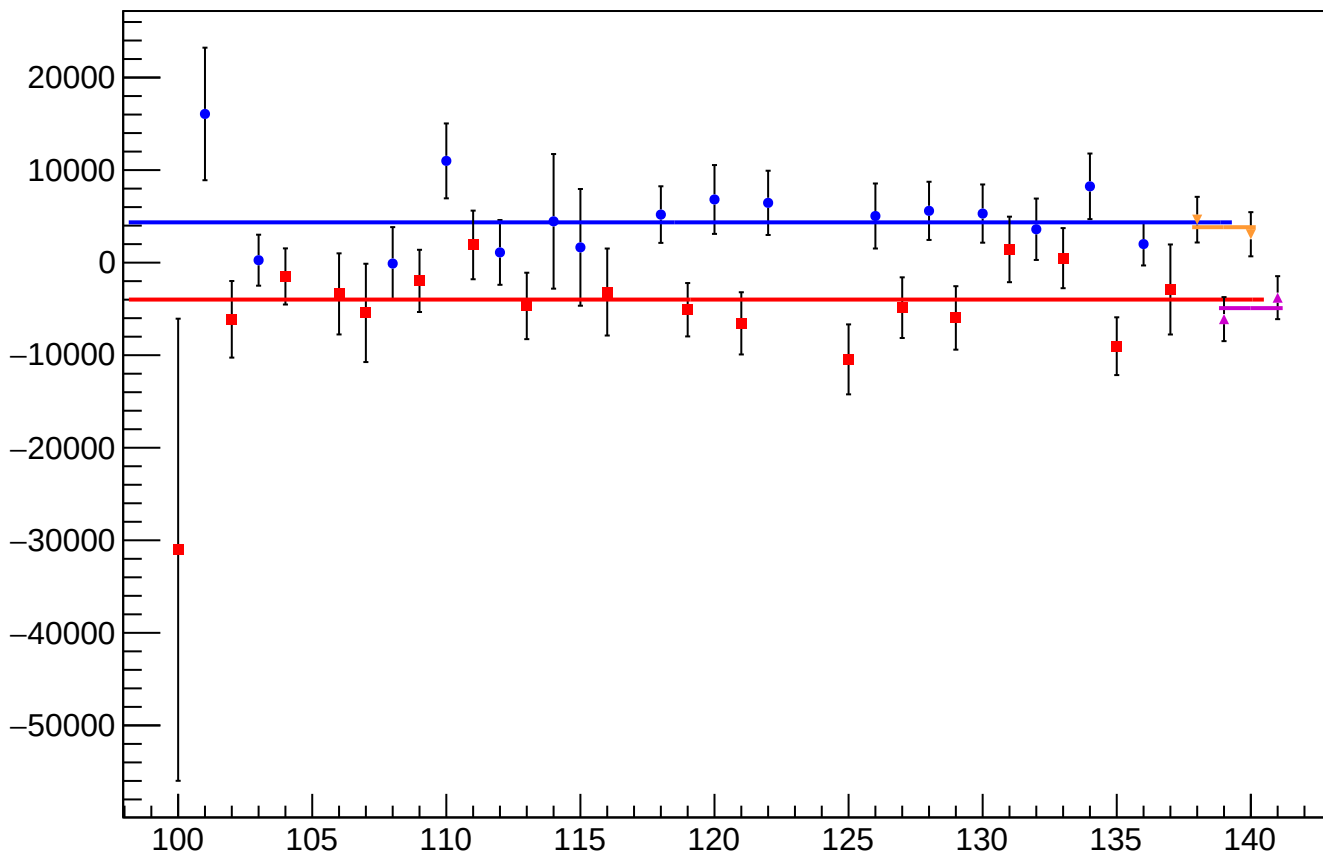
Left In: 2436.140+/-1.319 χ^2/NDF : 3471.0/1

+ sign 1799.587+/-0.439 χ^2/NDF : 678414.1/17

All: 1738.063+/-0.305 χ^2/NDF : 2642378.4/37

- sign 1680.340+/-0.425 χ^2/NDF : 1925857.8/19

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

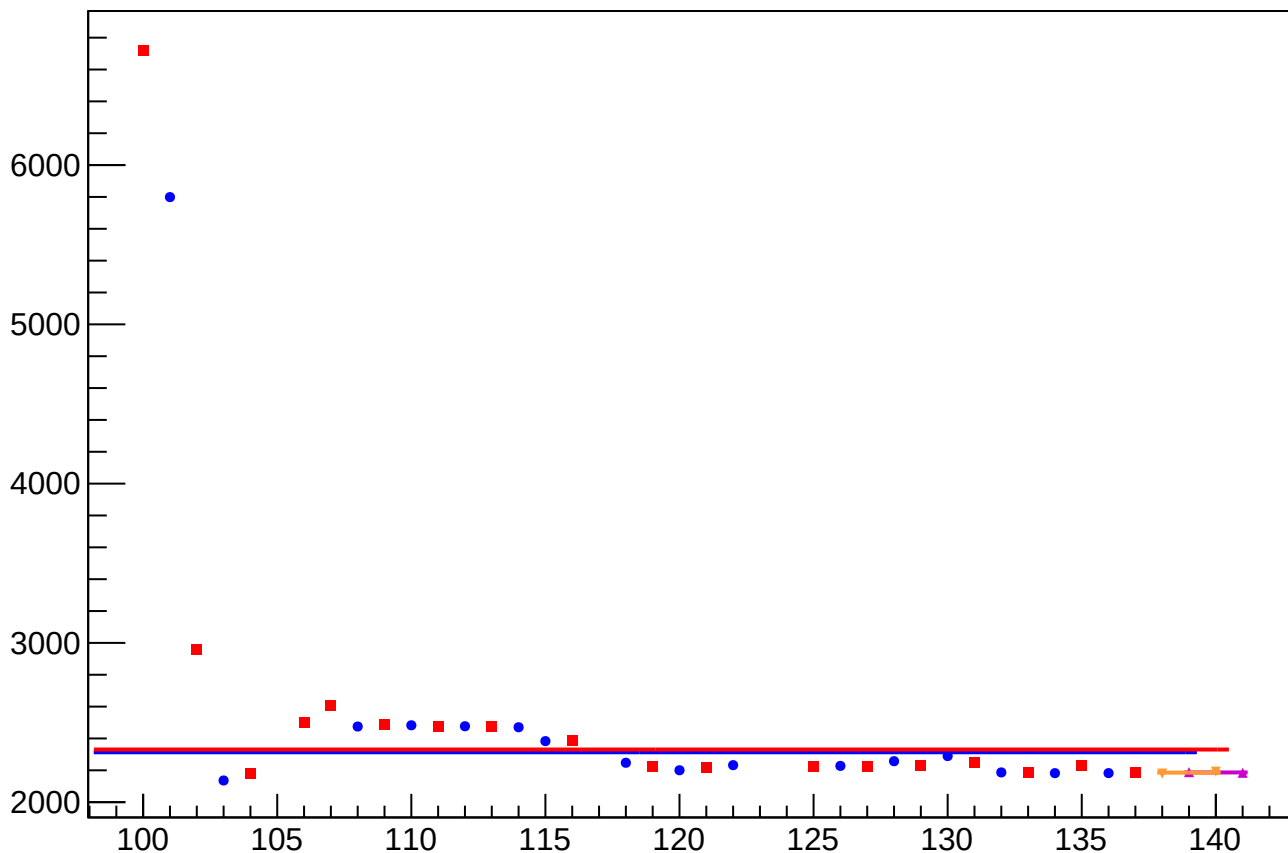
Left In: -4914.143 $\pm$ 1661.827 χ^2 /NDF: 0.5/1

+ sign 4245.519 $\pm$ 779.550 χ^2 /NDF: 13.6/17

All: -14.121 $\pm$ 548.456 χ^2 /NDF: 89.6/37

- sign -4189.229 $\pm$ 771.776 χ^2 /NDF: 16.9/19

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

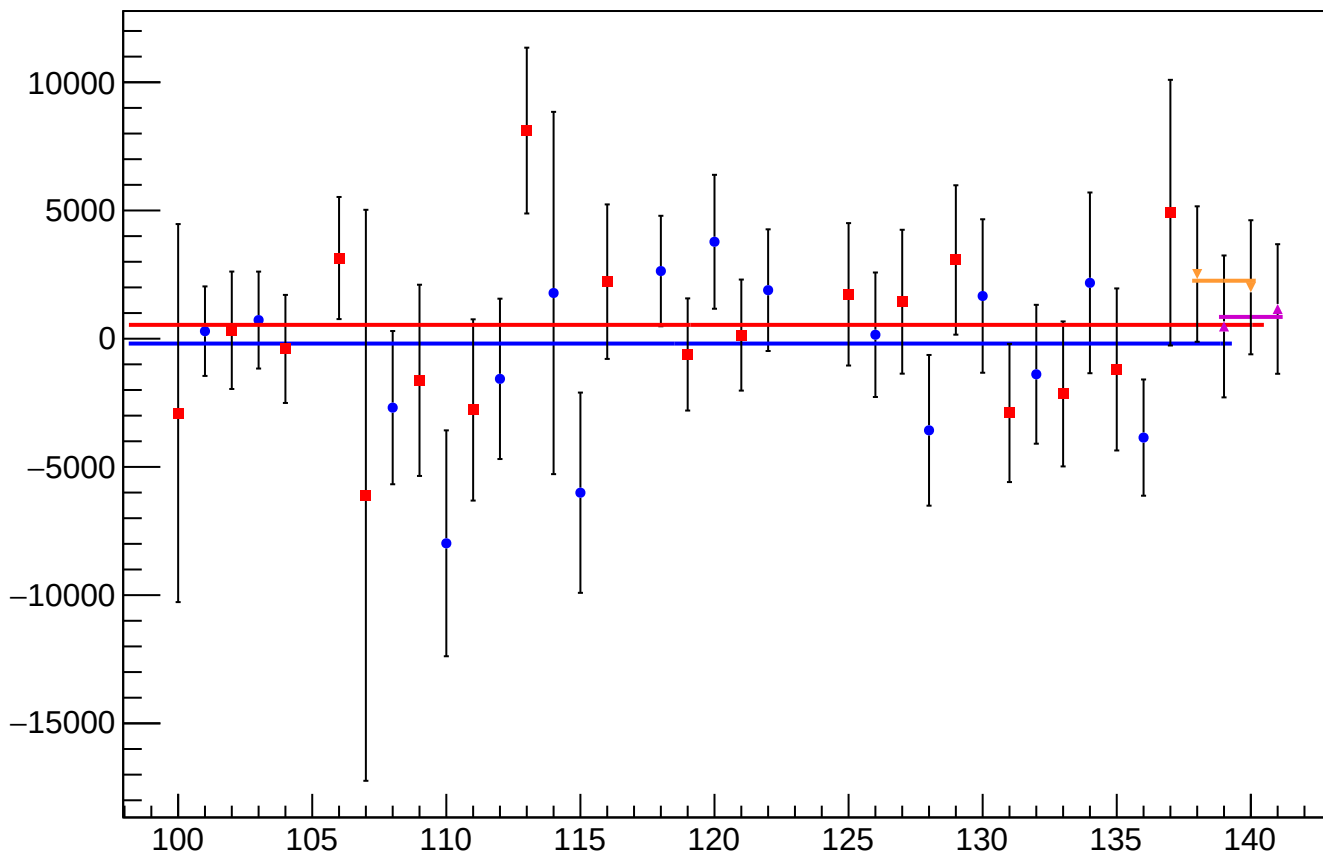
Left In: 2186.585+/-1.175 χ^2/NDF : 2.9/1

+ sign 2286.997+/-0.551 χ^2/NDF : 521219.4/17

All: 2293.319+/-0.388 χ^2/NDF : 684815.0/37

- sign 2299.515+/-0.546 χ^2/NDF : 163335.1/19

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: -189.762+/-658.205 χ^2/NDF : 16.4/15

Left Out: 2260.848+/-1857.946 χ^2/NDF : 0.0/1

Right Out: 539.517+/-678.214 χ^2/NDF : 13.9/17

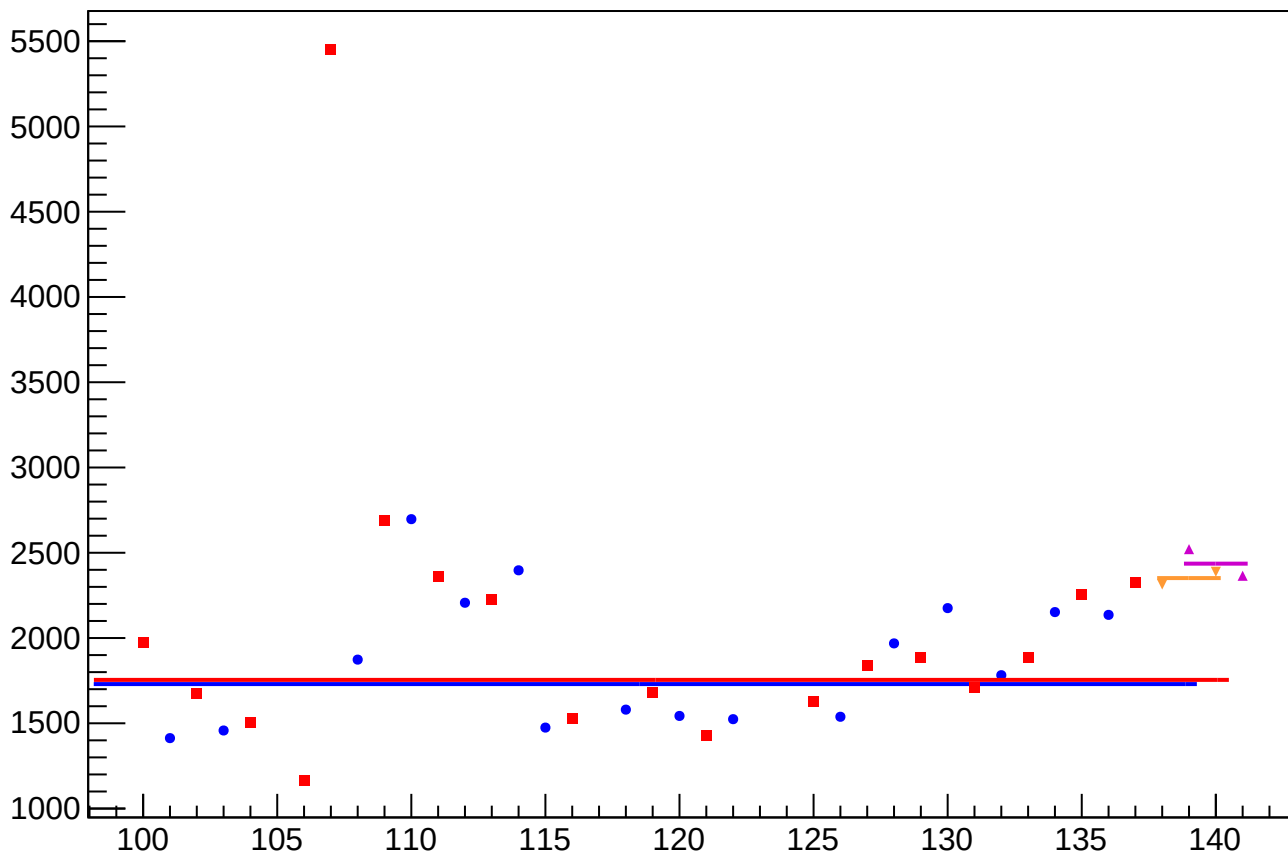
Left In: 849.383+/-1865.803 χ^2/NDF : 0.0/1

+ sign 83.502+/-620.423 χ^2/NDF : 18.0/17

All: 322.946+/-444.589 χ^2/NDF : 32.3/37

- sign 575.681+/-637.410 χ^2/NDF : 14.0/19

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF : 479898.2/15

Left Out: 2351.542+/-1.314 χ^2/NDF : 807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF : 751010.0/17

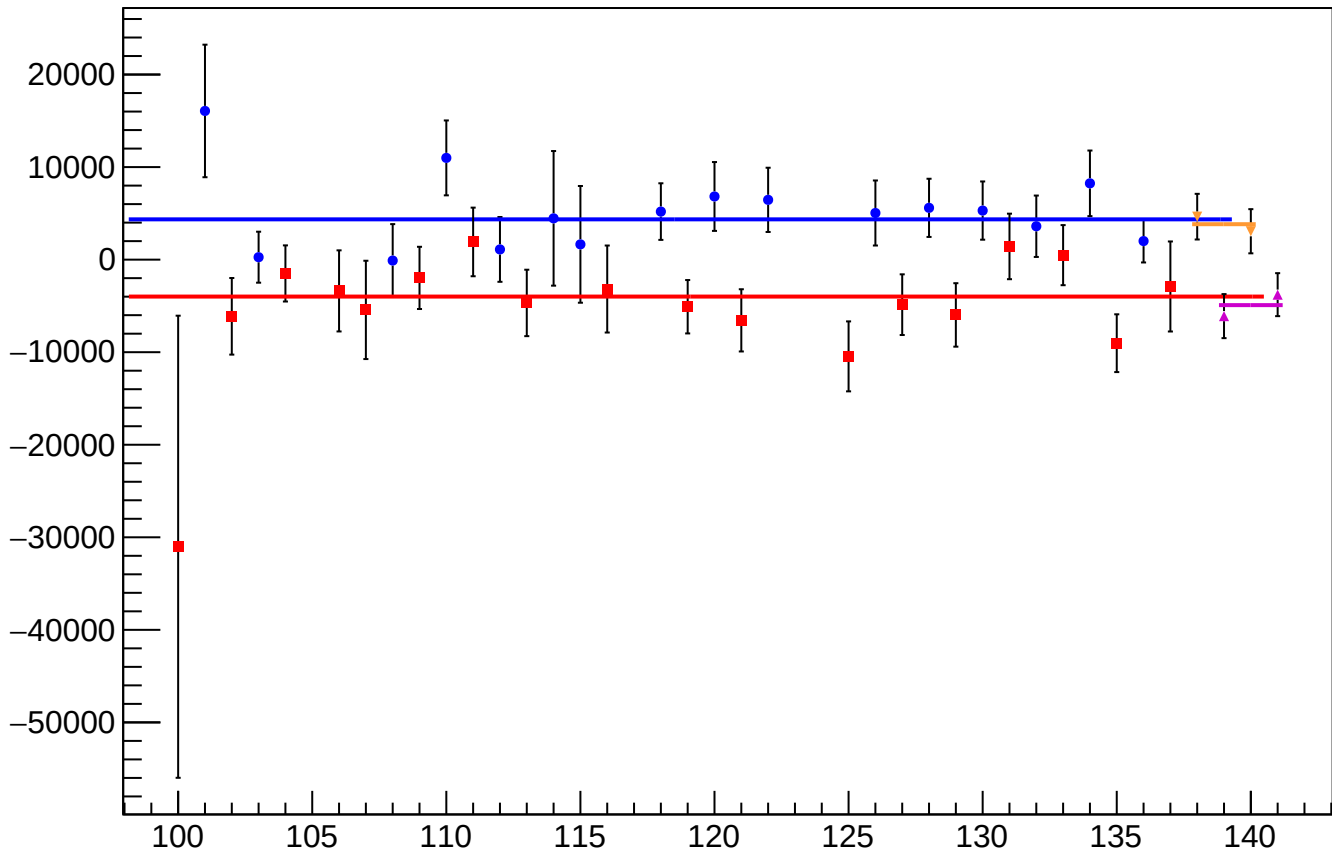
Left In: 2436.142+/-1.319 χ^2/NDF : 3472.2/1

+ sign 1799.217+/-0.439 χ^2/NDF : 679635.3/17

All: 1816.176+/-0.314 χ^2/NDF : 1672955.1/37

- sign 1834.077+/-0.451 χ^2/NDF : 990247.9/19

eigen_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

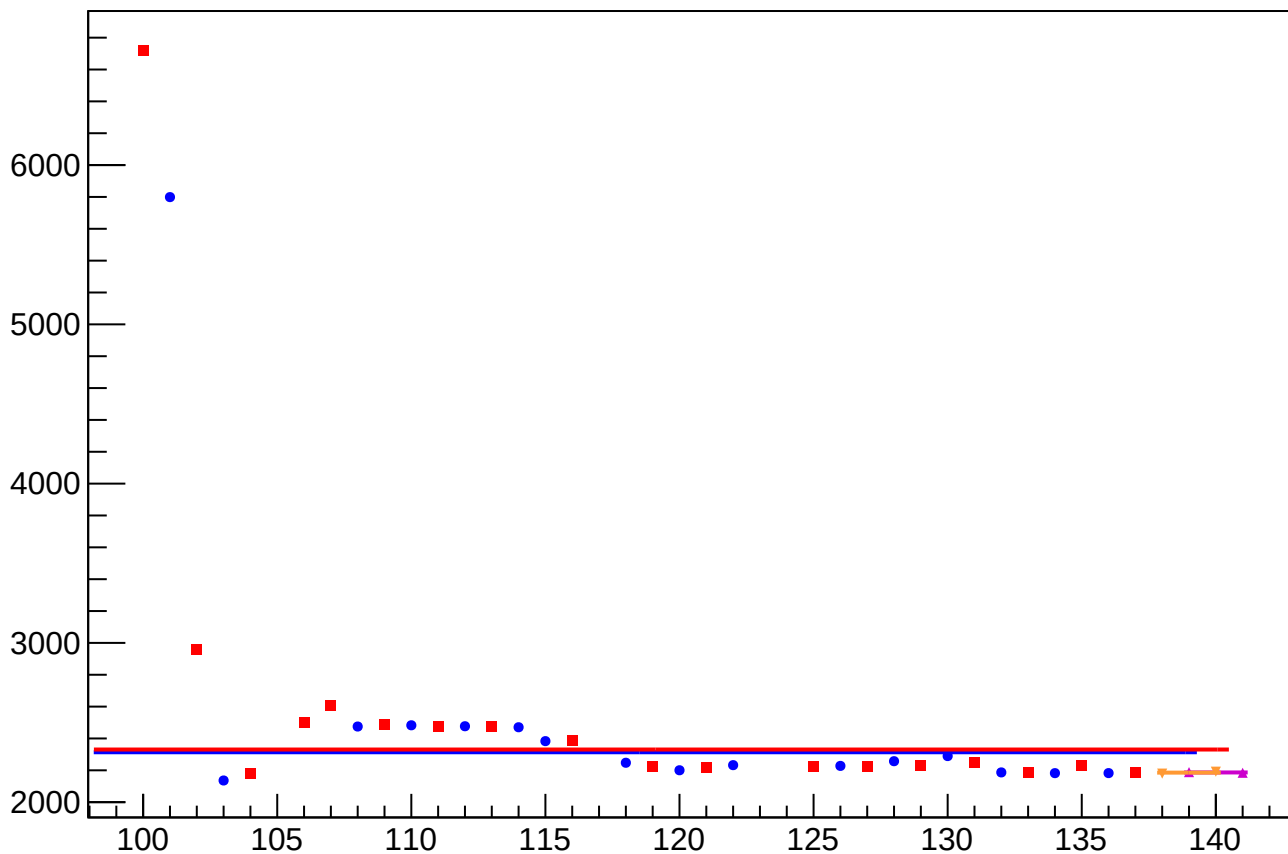
Left In: -4914.143 $\pm$ 1661.827 χ^2 /NDF: 0.5/1

+ sign 4245.519 $\pm$ 779.550 χ^2 /NDF: 13.6/17

All: -14.121 $\pm$ 548.456 χ^2 /NDF: 89.6/37

- sign -4189.229 $\pm$ 771.776 χ^2 /NDF: 16.9/19

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

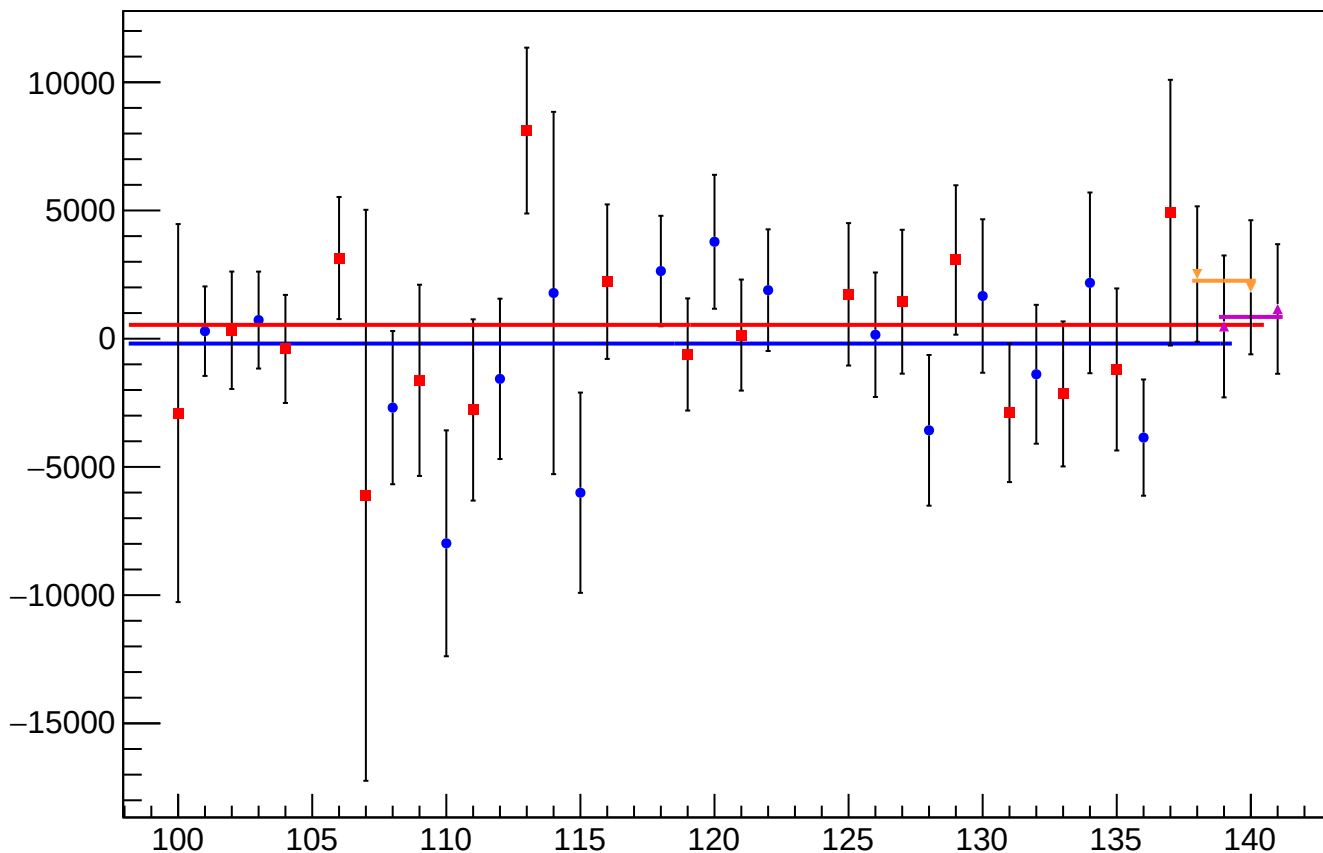
Left In: 2186.585+/-1.175 χ^2/NDF : 2.9/1

+ sign 2286.997+/-0.551 χ^2/NDF : 521219.4/17

All: 2293.319+/-0.388 χ^2/NDF : 684815.0/37

- sign 2299.515+/-0.546 χ^2/NDF : 163335.1/19

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 $\chi^2/\text{NDF}: 13.9/17$

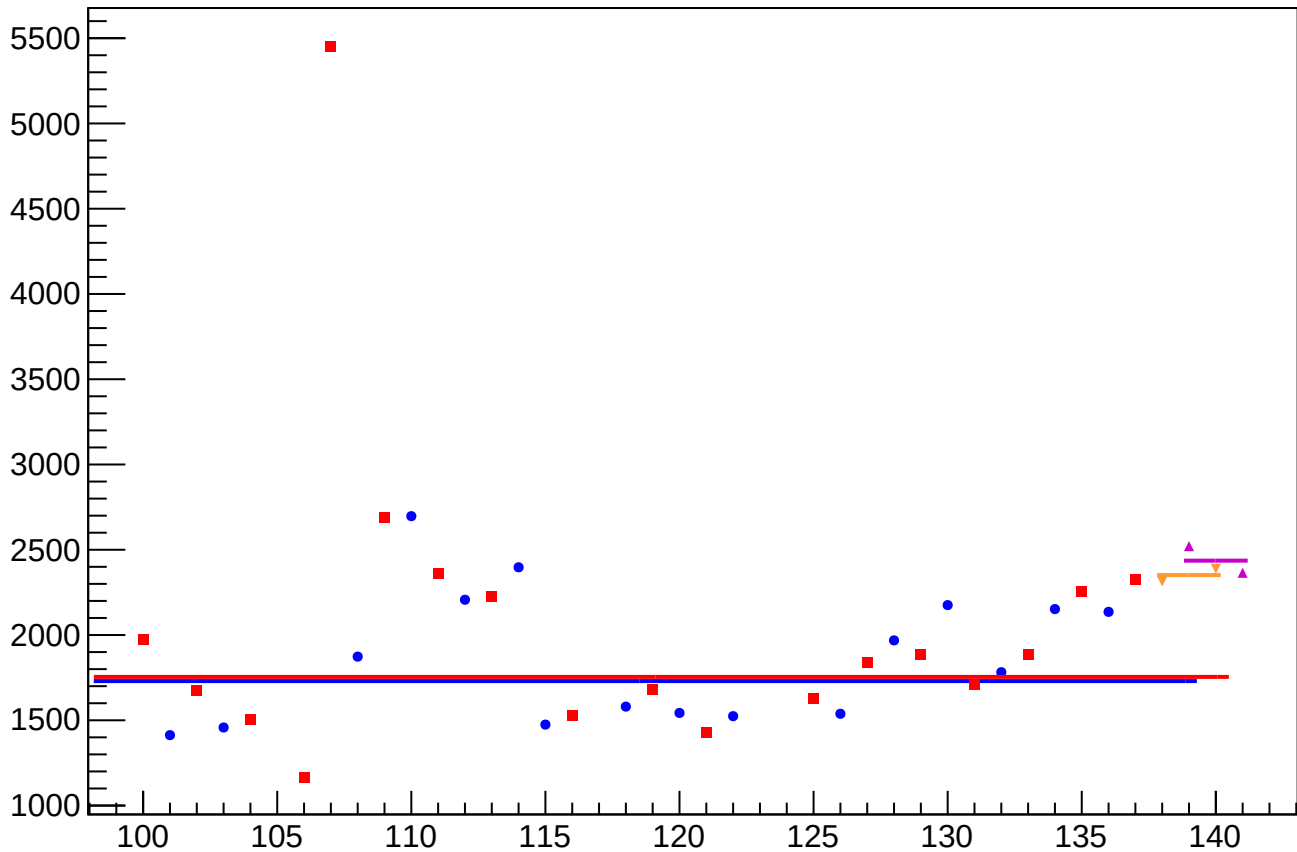
Left In: 849.383 ± 1865.803 $\chi^2/\text{NDF}: 0.0/1$

+ sign 83.502 ± 620.423 $\chi^2/\text{NDF}: 18.0/17$

All: 322.946 ± 444.589 $\chi^2/\text{NDF}: 32.3/37$

- sign 575.681 ± 637.410 $\chi^2/\text{NDF}: 14.0/19$

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

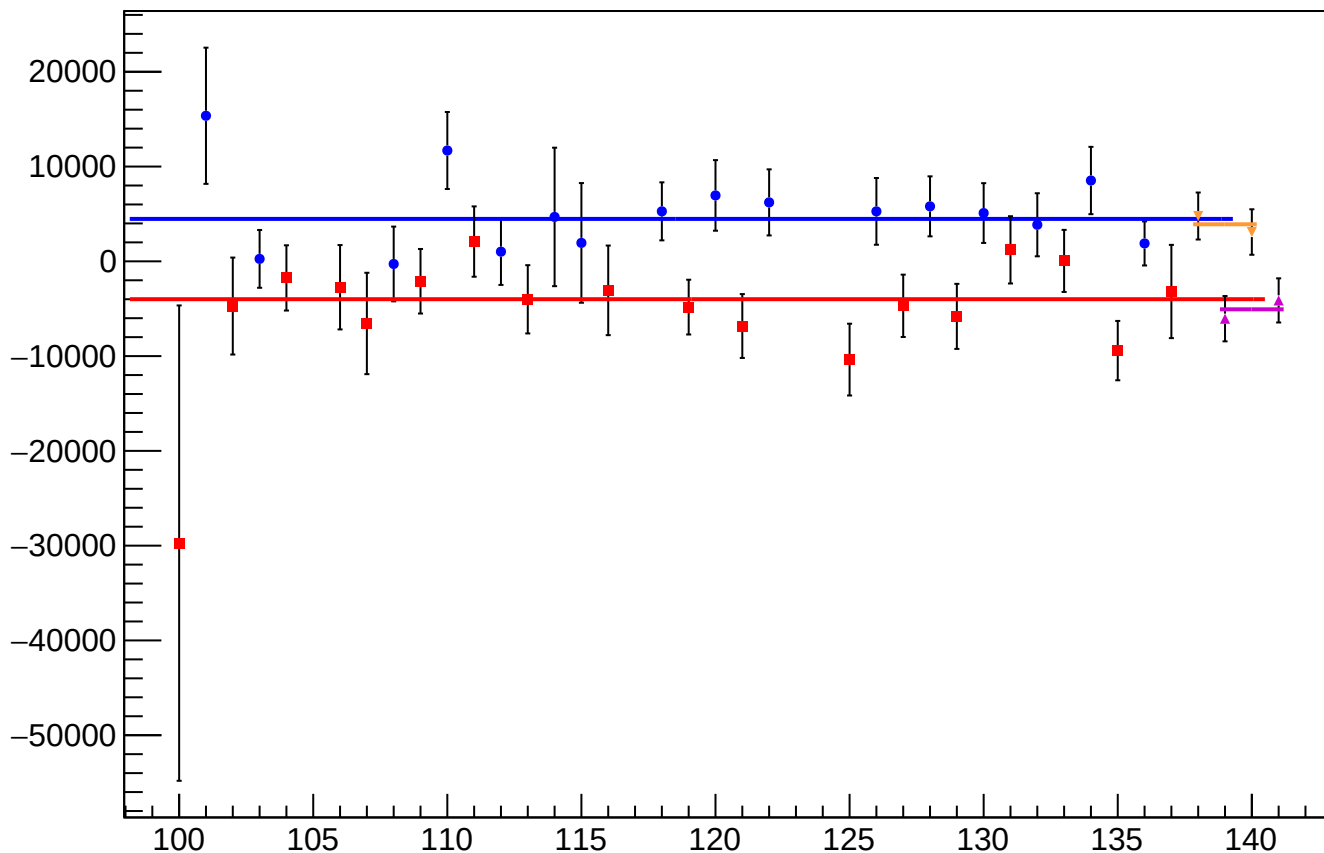
Left In: 2436.142+/-1.319 χ^2/NDF : 3472.2/1

+ sign 1799.217+/-0.439 χ^2/NDF : 679635.3/17

All: 1816.176+/-0.314 χ^2/NDF : 1672955.1/37

- sign 1834.077+/-0.451 χ^2/NDF : 990247.9/19

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

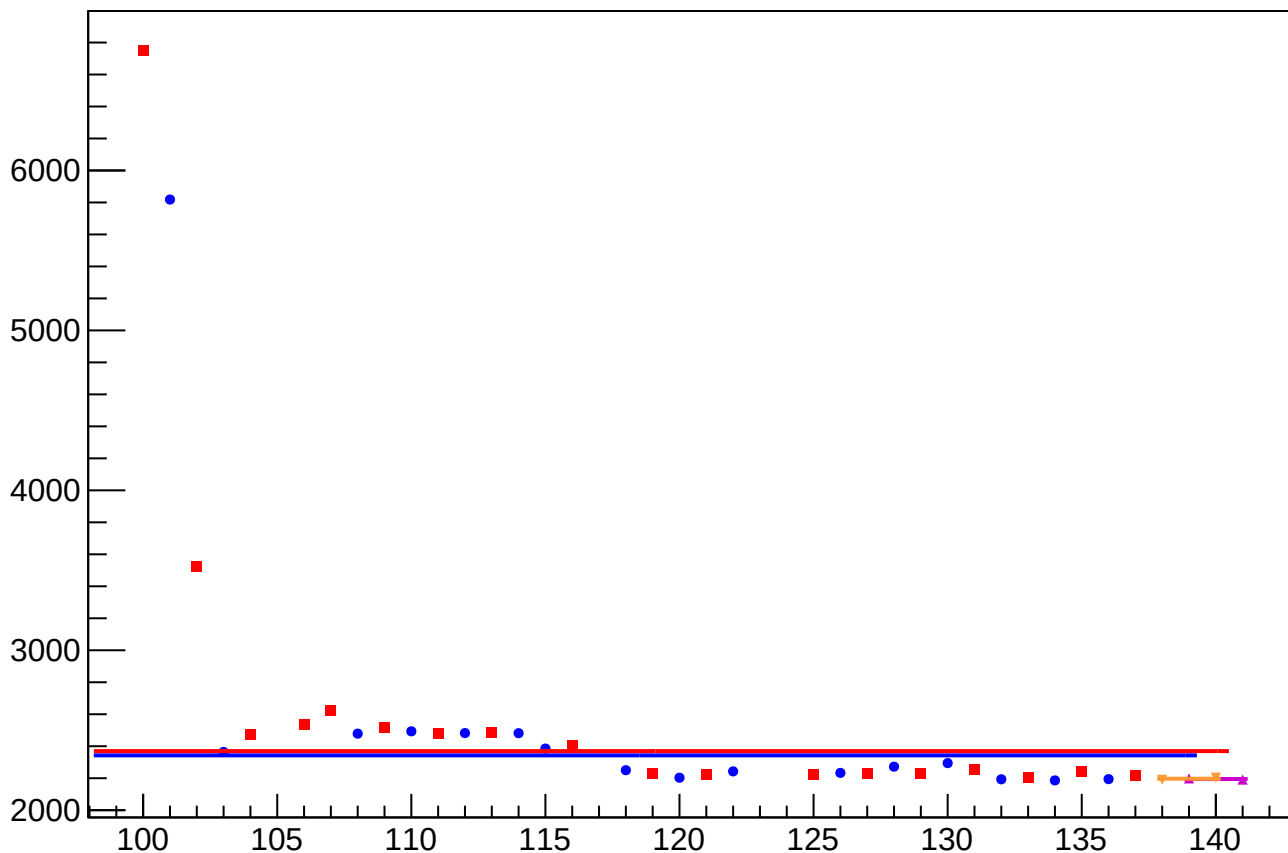
Left In: -5062.663 $\pm$ 1668.505 χ^2 /NDF: 0.3/1

+ sign 4357.788 $\pm$ 788.108 χ^2 /NDF: 13.9/17

All: 48.896 $\pm$ 556.378 χ^2 /NDF: 89.6/37

- sign -4232.302 $\pm$ 785.571 χ^2 /NDF: 16.1/19

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

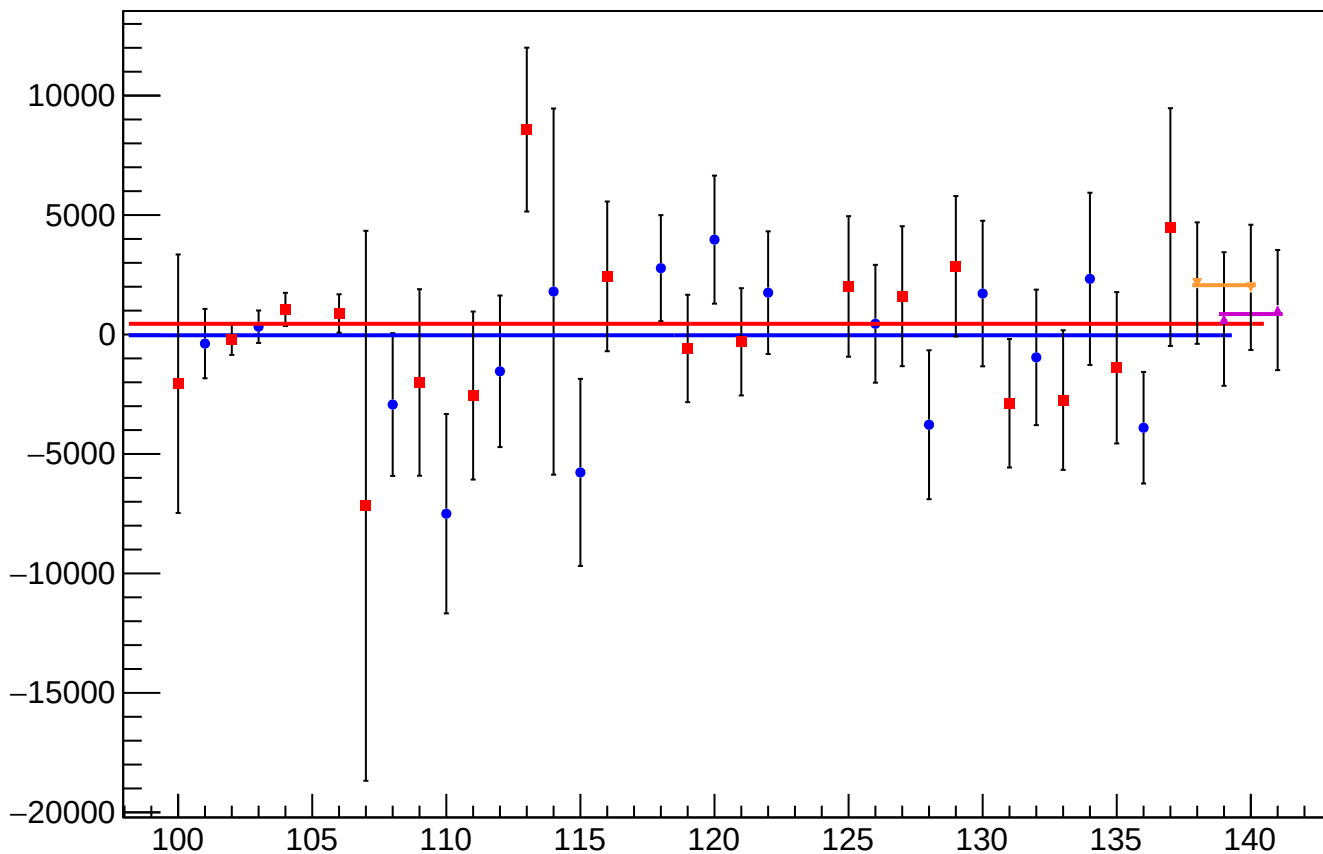
Left In: 2194.994 $\pm$ 1.180 χ^2 /NDF:9.6/1

+ sign 2312.402 $\pm$ 0.557 χ^2 /NDF: 514246.1/17

All: 2321.667 $\pm$ 0.393 χ^2 /NDF: 741996.2/37

- sign 2330.873 $\pm$ 0.555 χ^2 /NDF: 227199.0/19

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: -31.393 ± 485.329 χ^2/NDF : 16.3/15

Left Out: 2065.425 ± 1825.373 χ^2/NDF : 0.0/1

Right Out: 448.261 ± 362.570 χ^2/NDF : 15.1/17

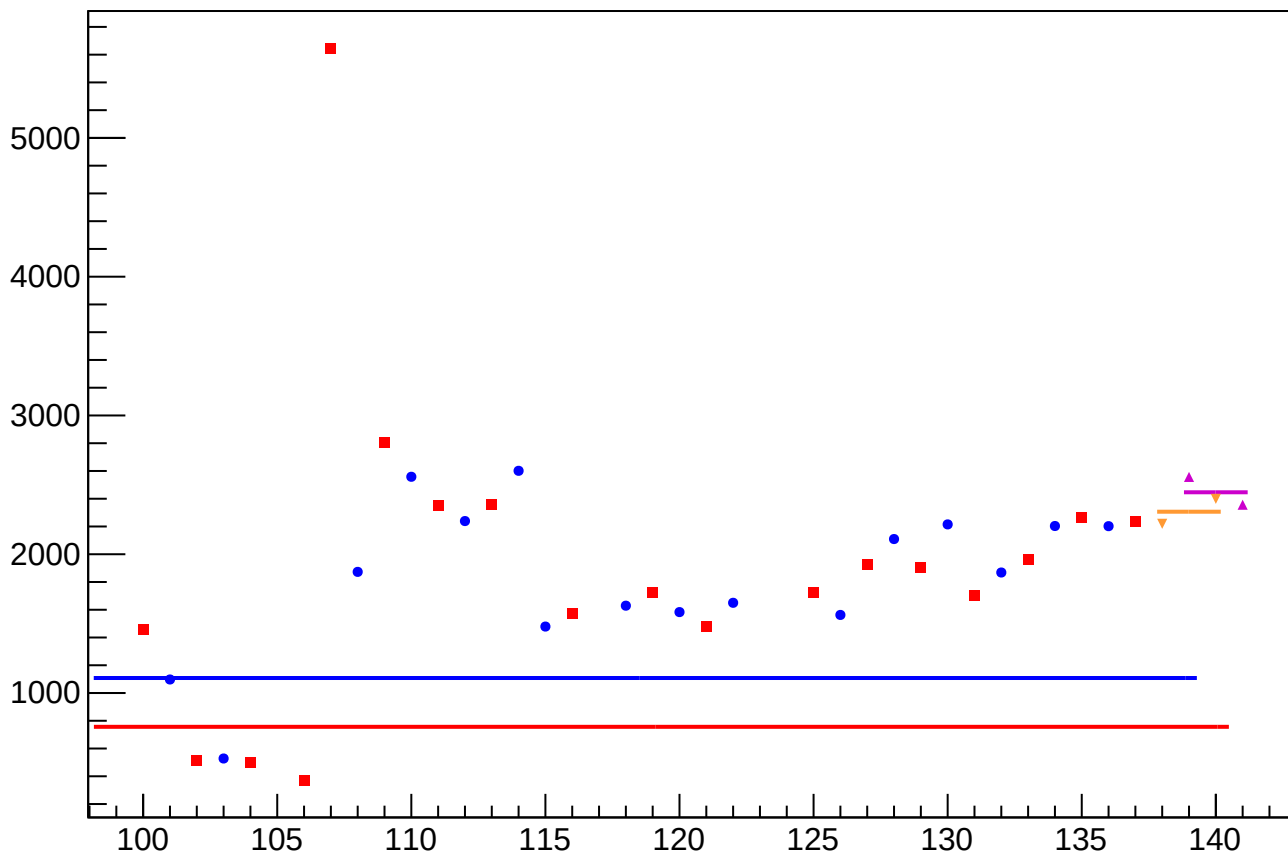
Left In: 856.449 ± 1869.678 χ^2/NDF : 0.0/1

+ sign 107.048 ± 469.033 χ^2/NDF : 17.6/17

All: 332.956 ± 283.539 χ^2/NDF : 33.1/37

- sign 463.055 ± 355.939 χ^2/NDF : 15.1/19

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF : 3746477.0/15

Left Out: 2306.447+/-1.291 χ^2/NDF : 4846.8/1

Right Out: 756.419+/-0.256 χ^2/NDF : 5603215.5/17

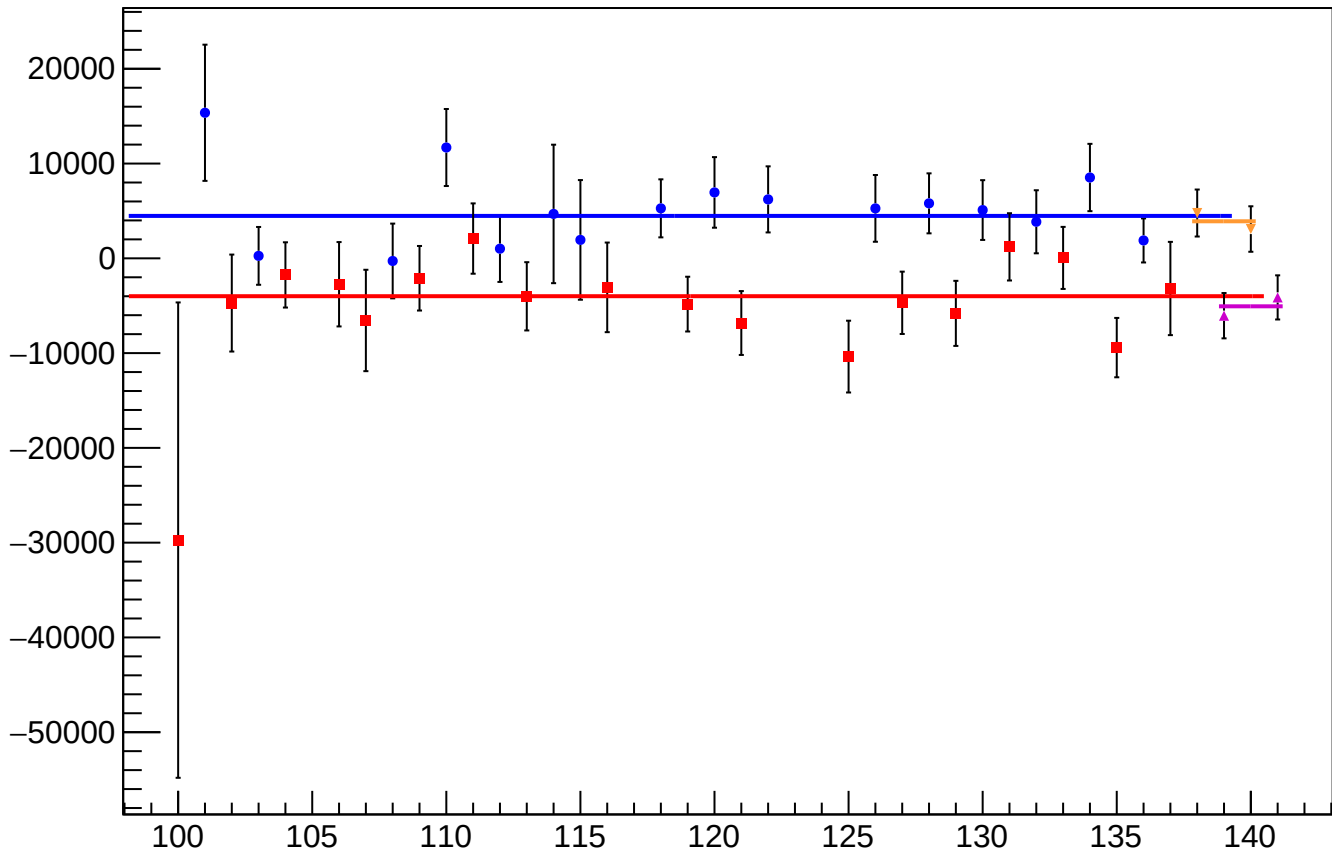
Left In: 2446.479+/-1.322 χ^2/NDF : 5679.4/1

+ sign 1187.257+/-0.332 χ^2/NDF : 4556329.9/17

All: 952.733+/-0.200 χ^2/NDF : 12528179.2/37

- sign 817.671+/-0.252 χ^2/NDF : 7183850.7/19

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

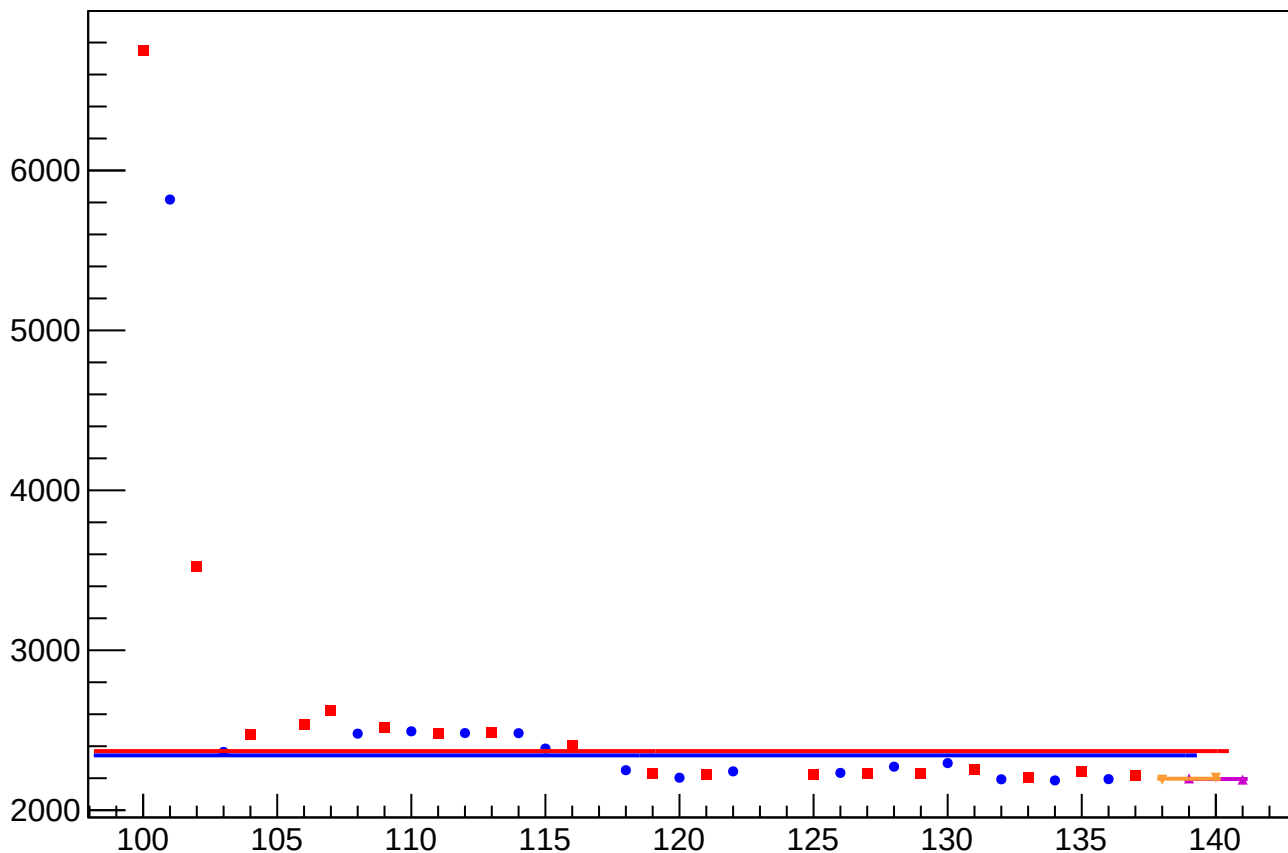
Left In: -5062.660 $\pm$ 1668.505 χ^2 /NDF:0.3/1

+ sign 4357.785 $\pm$ 788.108 χ^2 /NDF: 13.9/17

All: 48.896 $\pm$ 556.378 χ^2 /NDF: 89.6/37

- sign -4232.298 $\pm$ 785.571 χ^2 /NDF: 16.1/19

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

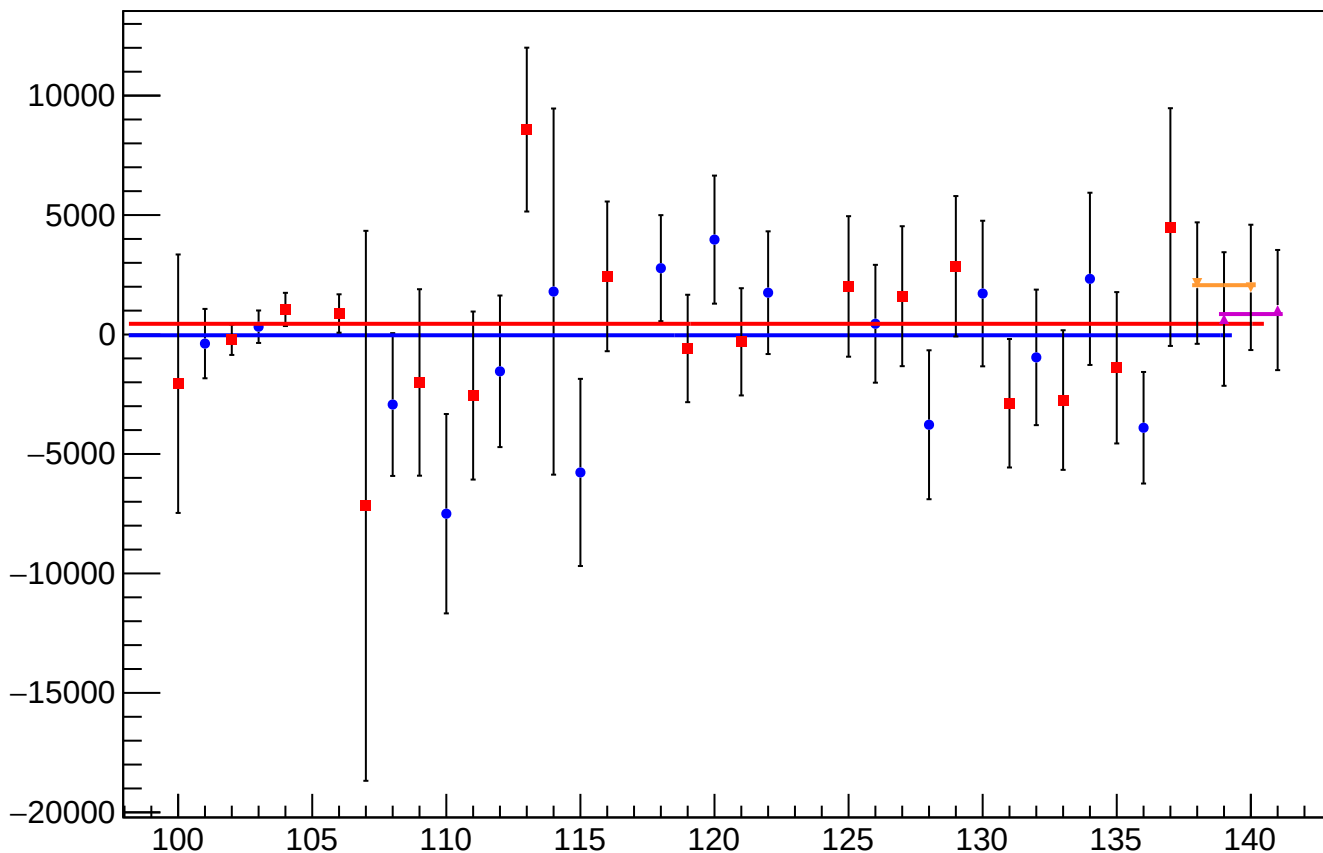
Left In: 2194.994 $\pm$ 1.180 χ^2 /NDF:9.6/1

+ sign 2312.402 $\pm$ 0.557 χ^2 /NDF: 514246.1/17

All: 2321.667 $\pm$ 0.393 χ^2 /NDF: 741995.0/37

- sign 2330.872 $\pm$ 0.555 χ^2 /NDF: 227197.8/19

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -31.400 ± 485.331 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 2065.430 ± 1825.376 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 448.265 ± 362.575 $\chi^2/\text{NDF}: 15.1/17$

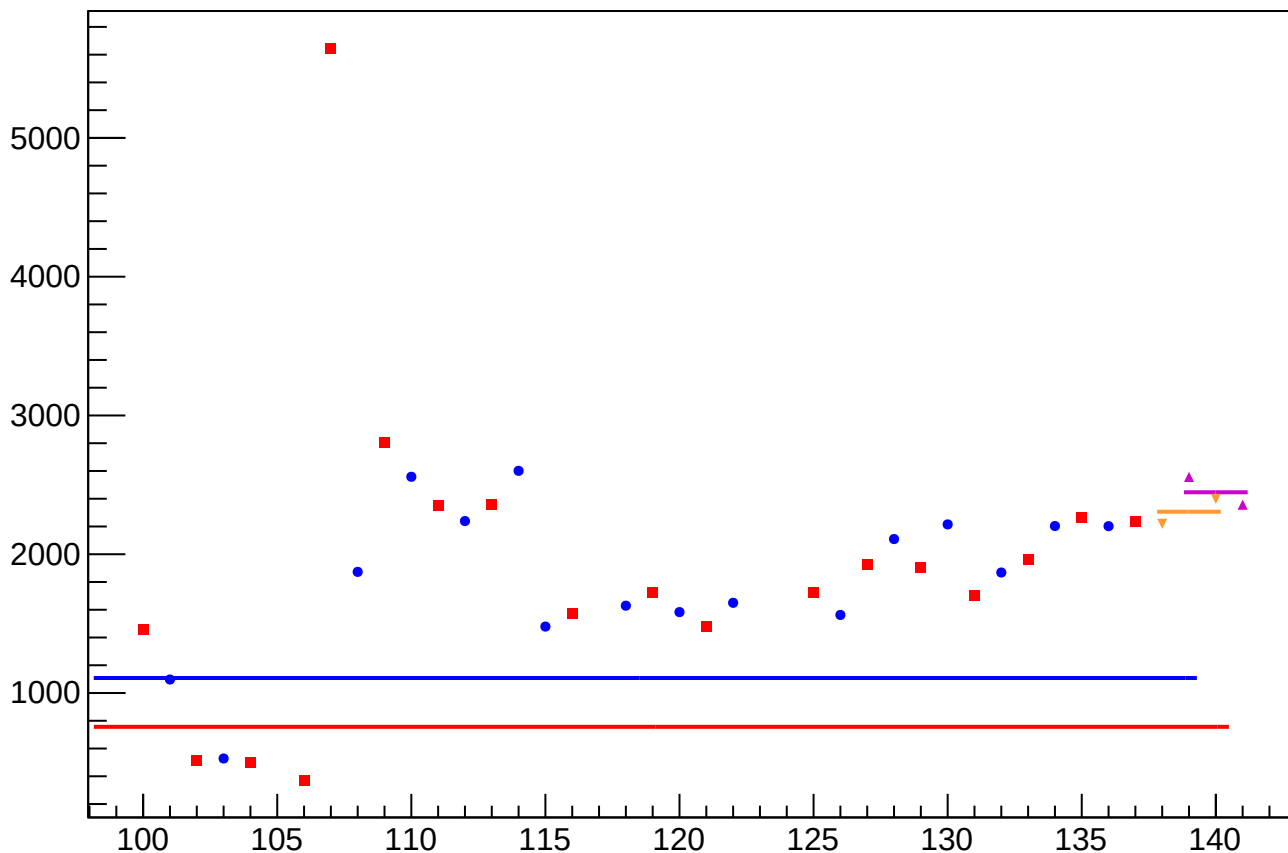
Left In: 856.453 ± 1869.681 $\chi^2/\text{NDF}: 0.0/1$

+ sign 107.043 ± 469.036 $\chi^2/\text{NDF}: 17.6/17$

All: 332.955 ± 283.541 $\chi^2/\text{NDF}: 33.1/37$

- sign 463.059 ± 355.944 $\chi^2/\text{NDF}: 15.1/19$

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

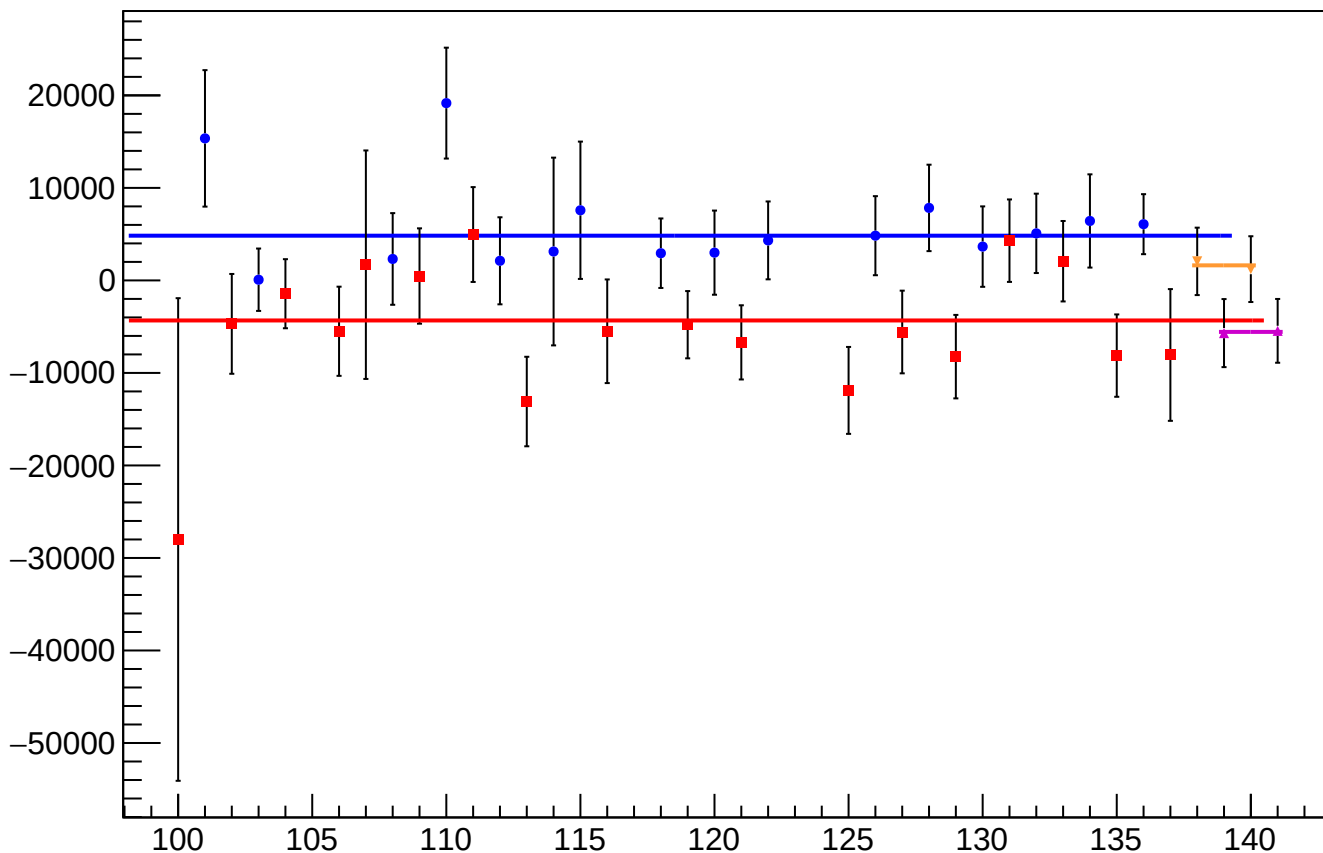
Left In: 2446.483+/-1.322 χ^2/NDF : 5679.4/1

+ sign 1187.267+/-0.332 χ^2/NDF : 4556243.6/17

All: 952.748+/-0.200 χ^2/NDF : 12527909.5/37

- sign 817.687+/-0.252 χ^2/NDF : 7183705.4/19

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806 ± 1142.535 $\chi^2/\text{NDF}: 11.7/15$

Left Out: 1627.964 ± 2544.424 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -4328.601 ± 1144.541 $\chi^2/\text{NDF}: 19.9/17$

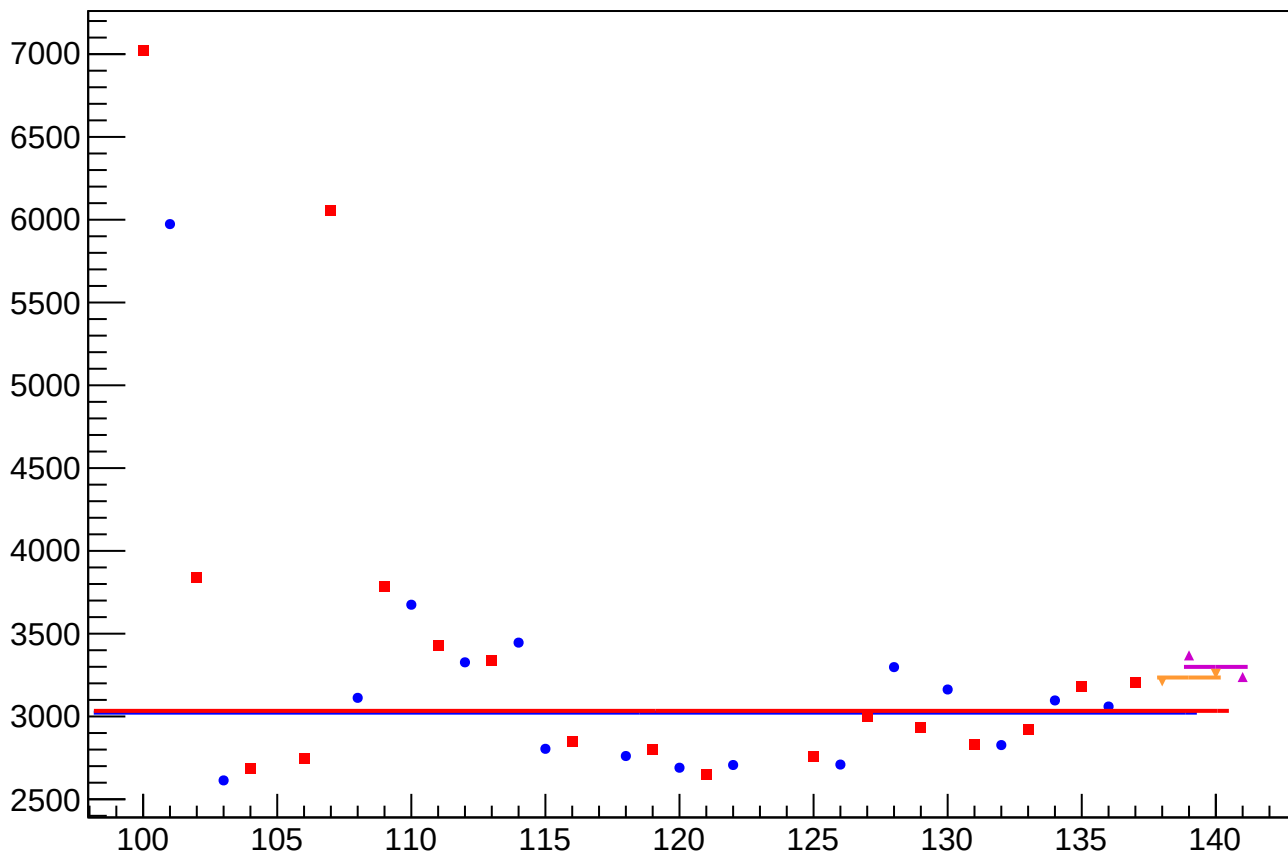
Left In: -5565.460 ± 2515.337 $\chi^2/\text{NDF}: 0.0/1$

+ sign 4295.870 ± 1042.278 $\chi^2/\text{NDF}: 13.0/17$

All: -124.626 ± 736.820 $\chi^2/\text{NDF}: 69.1/37$

- sign -4540.762 ± 1041.764 $\chi^2/\text{NDF}: 20.1/19$

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF : 443705.8/15

Left Out: 3235.242+/-1.799 χ^2/NDF :162.2/1

Right Out: 3033.869+/-0.809 χ^2/NDF : 342674.7/17

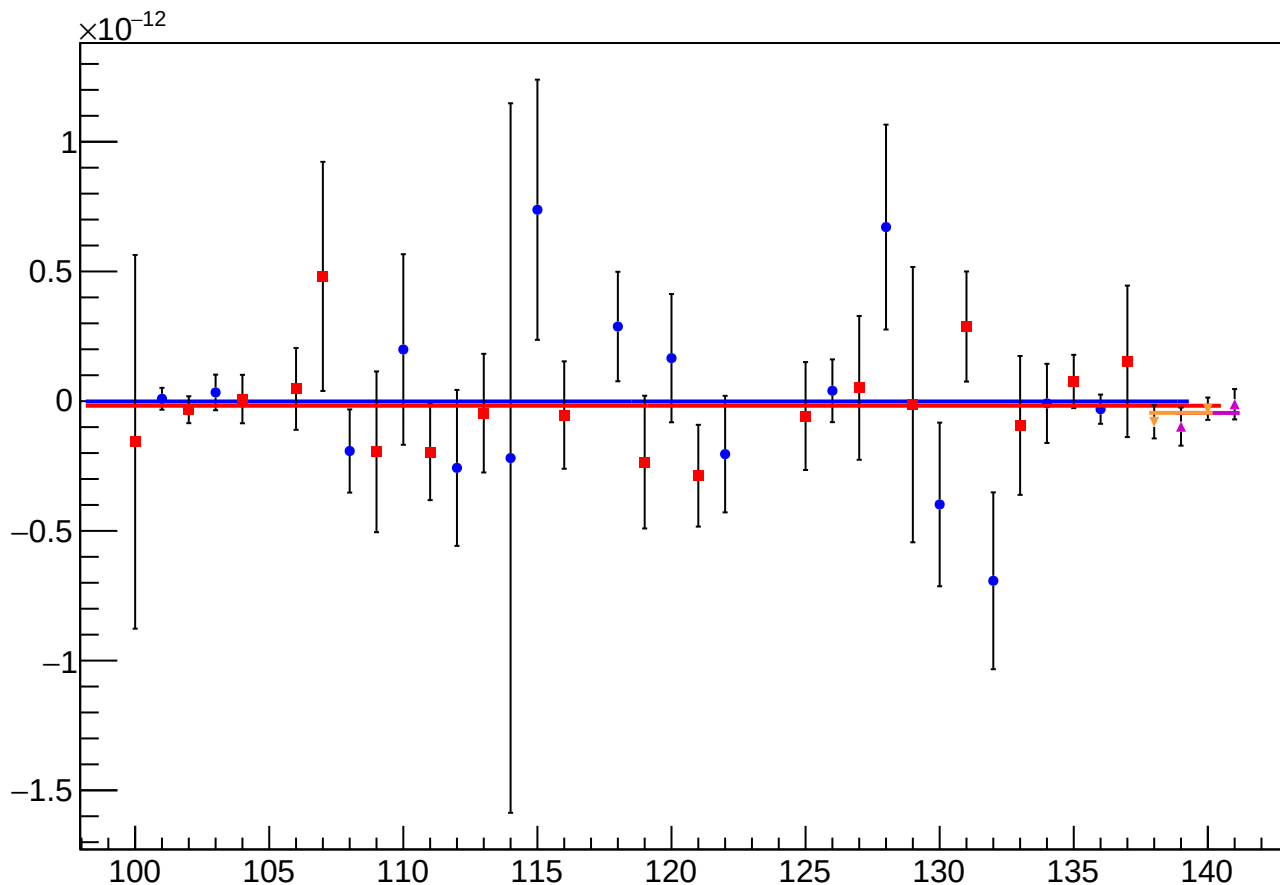
Left In: 3299.420+/-1.779 χ^2/NDF :1344.2/1

+ sign 3058.671+/-0.737 χ^2/NDF : 455441.5/17

All: 3069.050+/-0.521 χ^2/NDF : 818324.5/37

- sign 3079.419+/-0.737 χ^2/NDF : 362486.6/19

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

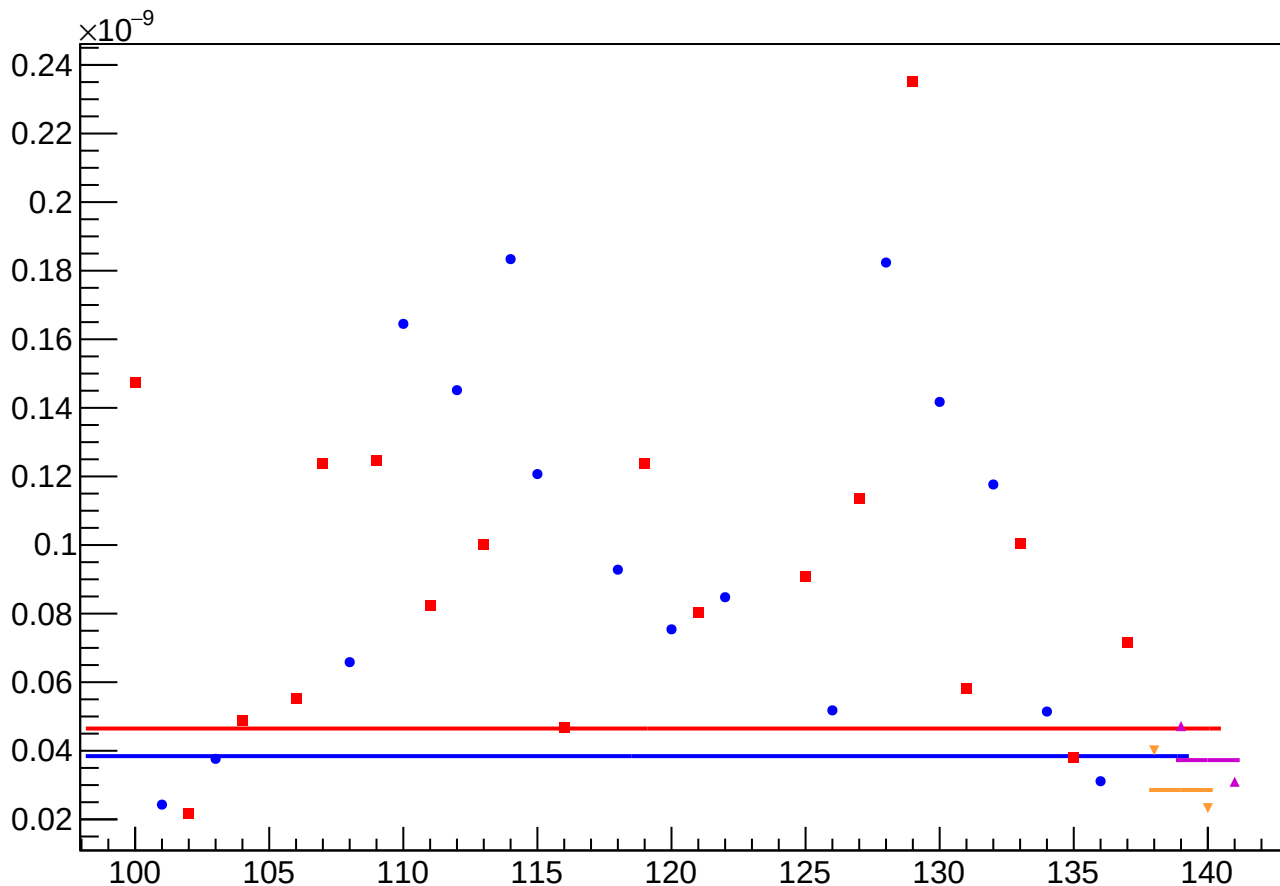
Left In: -0.000+/-0.000 χ^2/NDF : 0.8/1

+ sign -0.000+/-0.000 χ^2/NDF : 18.5/17

All: -0.000+/-0.000 χ^2/NDF : 28.6/37

- sign -0.000+/-0.000 χ^2/NDF : 10.1/19

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

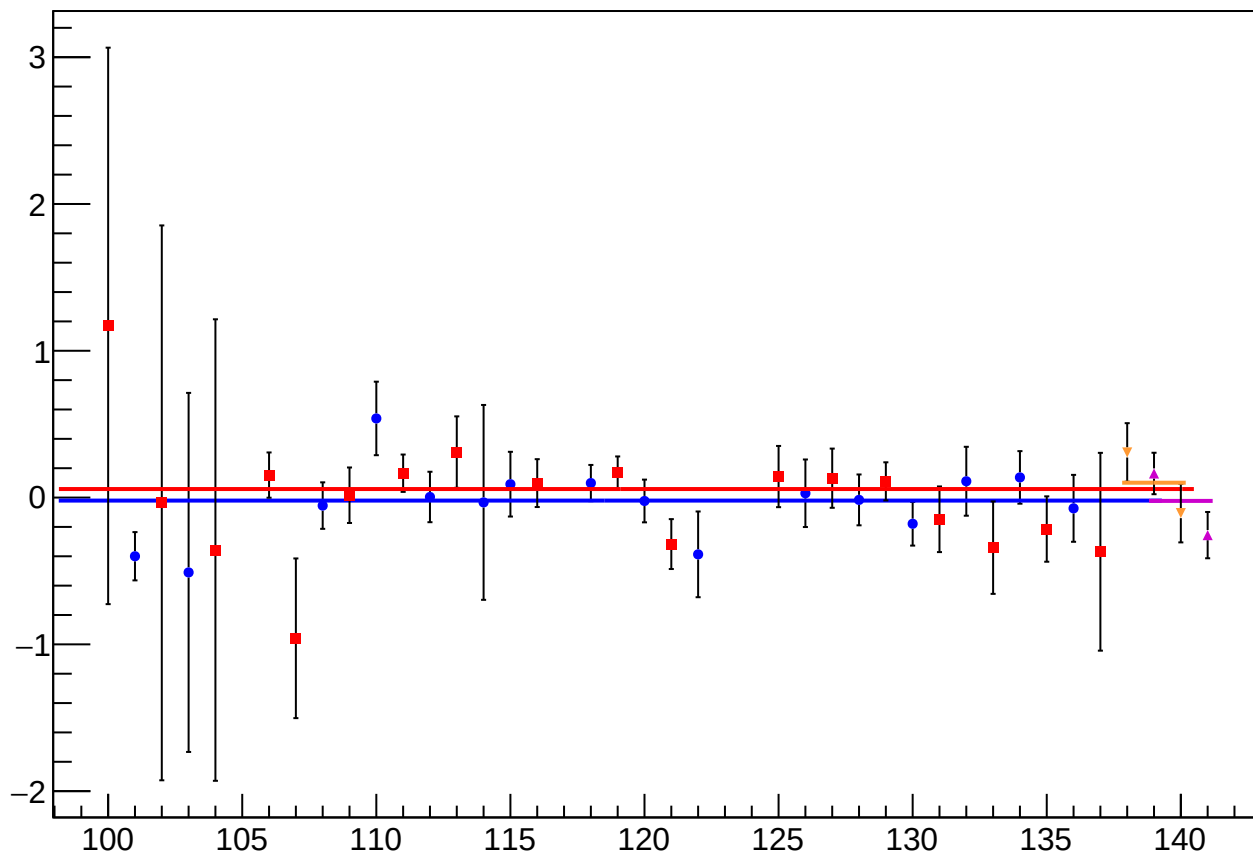
Left In: 0.000+/-0.000 χ^2/NDF : 59823.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 1963785.1/17

All: 0.000+/-0.000 χ^2/NDF : 3885721.6/37

- sign 0.000+/-0.000 χ^2/NDF : 1808677.2/19

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 χ^2/NDF : 15.6/15

Left Out: 0.101 ± 0.141 χ^2/NDF : 2.1/1

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

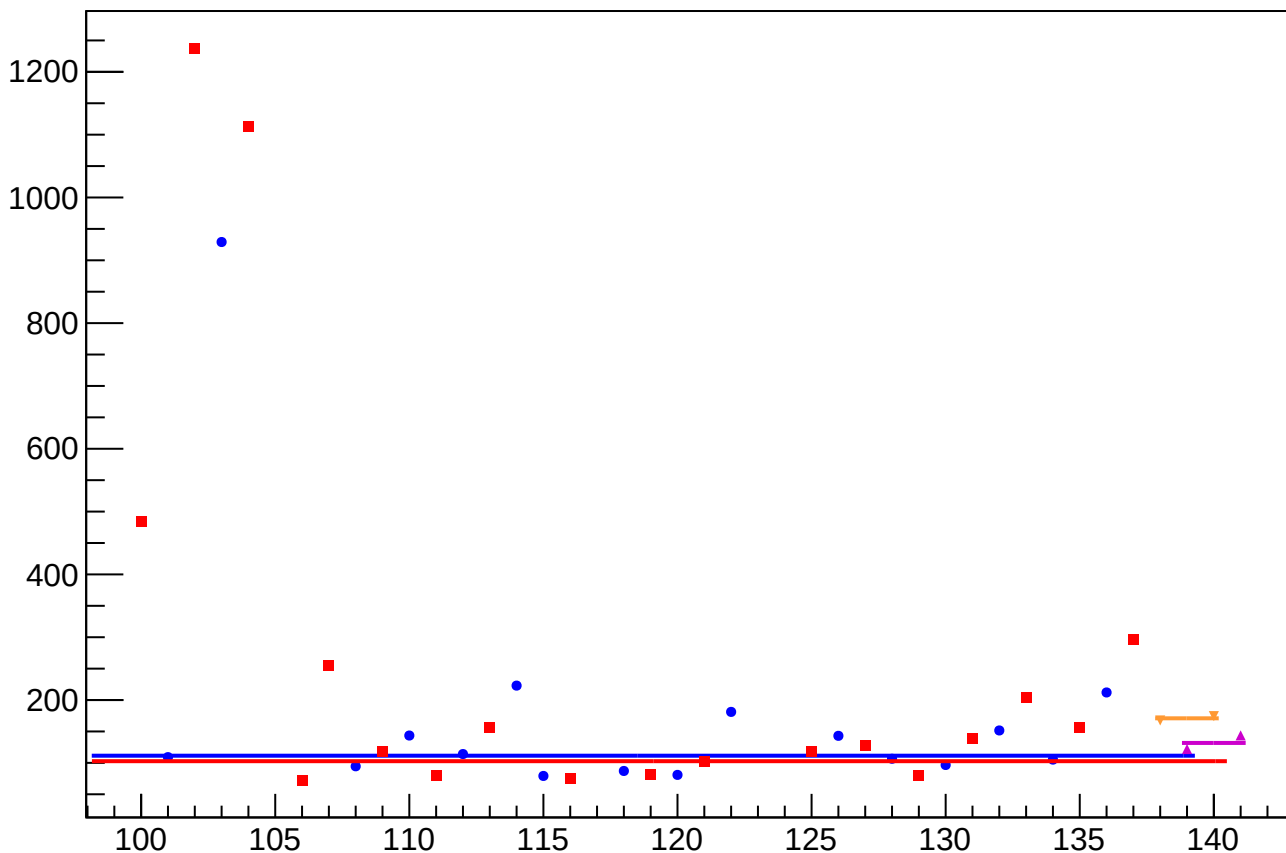
Left In: -0.023 ± 0.105 χ^2/NDF : 3.9/1

+ sign -0.008 ± 0.045 χ^2/NDF : 18.4/17

All: 0.020 ± 0.031 χ^2/NDF : 40.4/37

- sign 0.045 ± 0.042 χ^2/NDF : 21.3/19

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

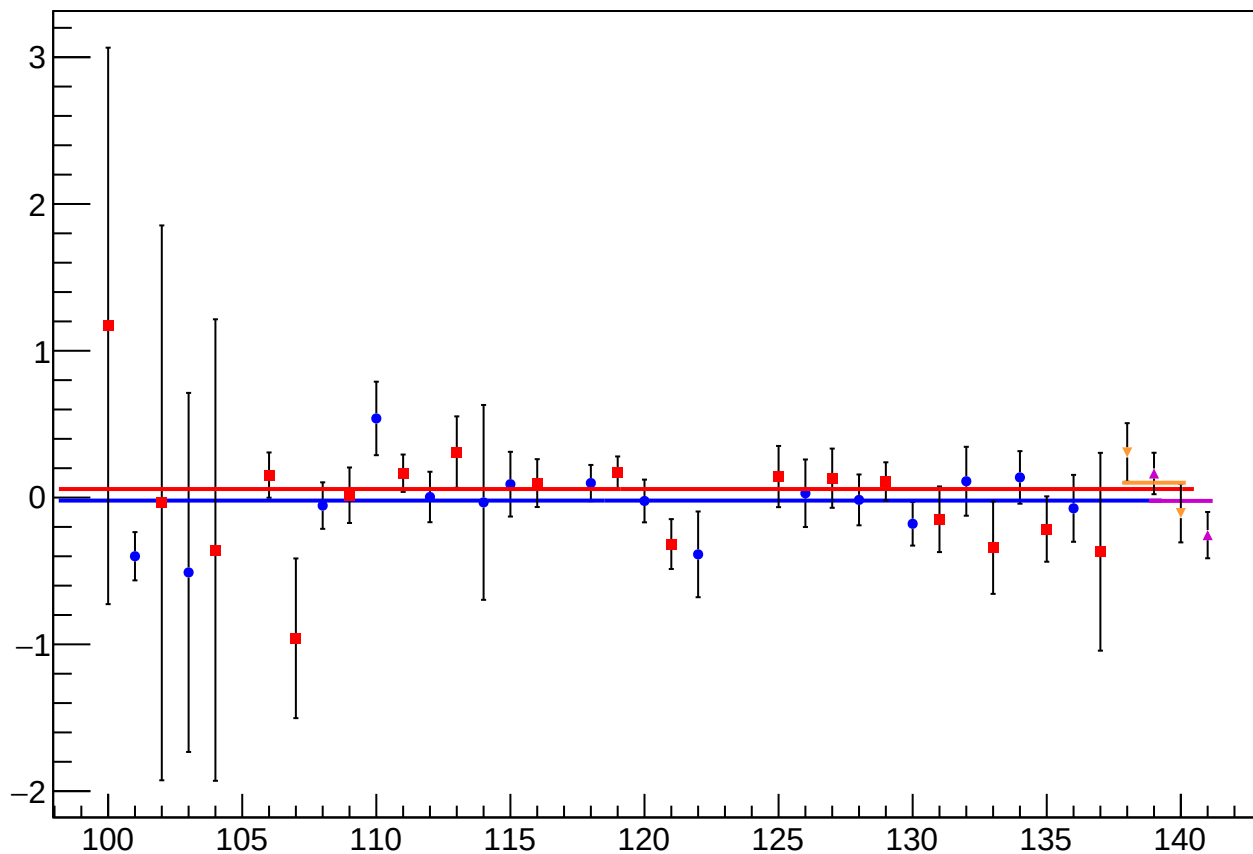
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF:21014.3/1

+ sign 117.493 $\pm$ 0.032 χ^2 /NDF: 2159902.9/17

All: 112.141 $\pm$ 0.022 χ^2 /NDF: 5188411.6/37

- sign 107.404 $\pm$ 0.030 χ^2 /NDF: 2975473.9/19

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 χ^2/NDF : 15.6/15

Left Out: 0.101 ± 0.141 χ^2/NDF : 2.1/1

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

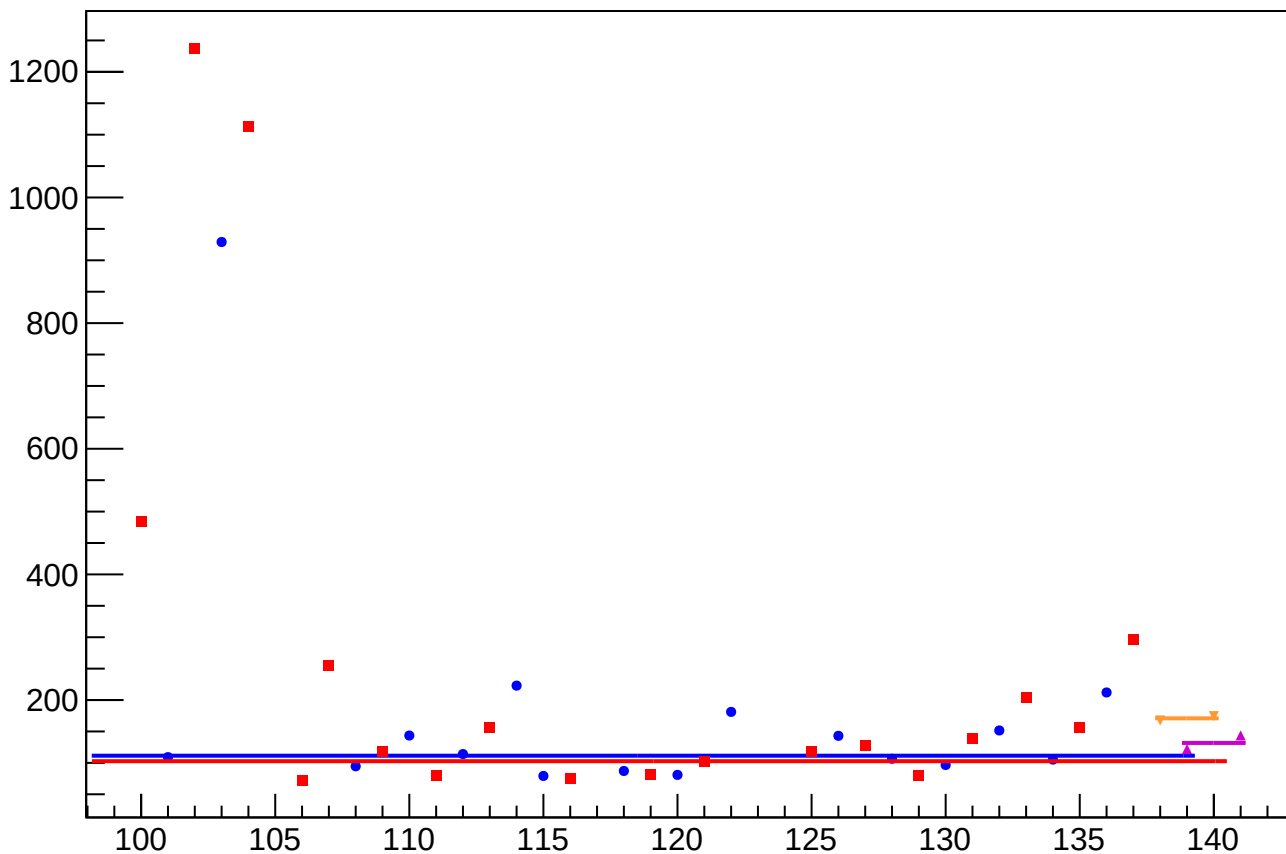
Left In: -0.023 ± 0.105 χ^2/NDF : 3.9/1

+ sign -0.008 ± 0.045 χ^2/NDF : 18.4/17

All: 0.020 ± 0.031 χ^2/NDF : 40.4/37

- sign 0.045 ± 0.042 χ^2/NDF : 21.3/19

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

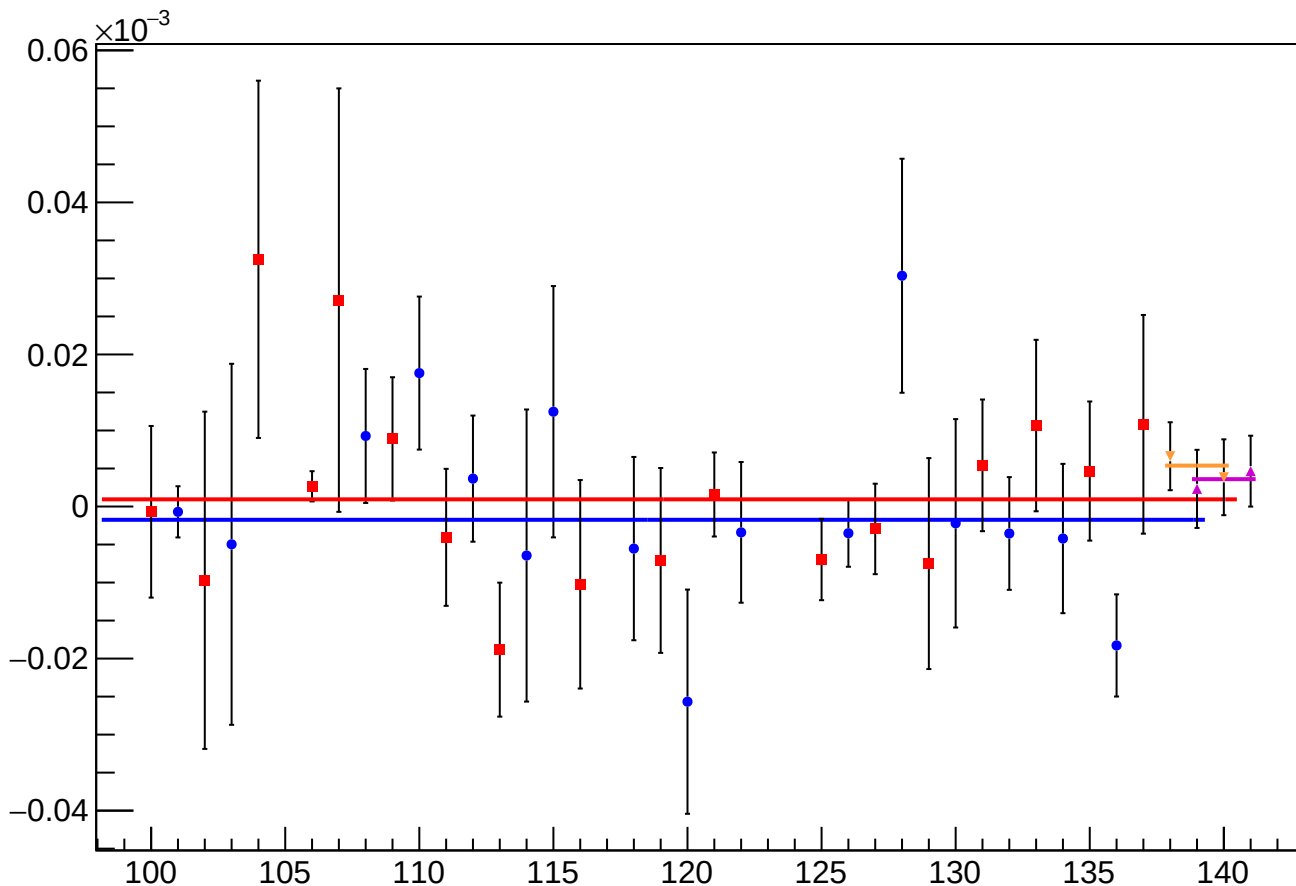
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF:21014.3/1

+ sign 117.493 $\pm$ 0.032 χ^2 /NDF: 2159902.9/17

All: 112.141 $\pm$ 0.022 χ^2 /NDF: 5188411.6/37

- sign 107.404 $\pm$ 0.030 χ^2 /NDF: 2975473.9/19

asym_us_avg_at1lr_avg_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: 0.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/17

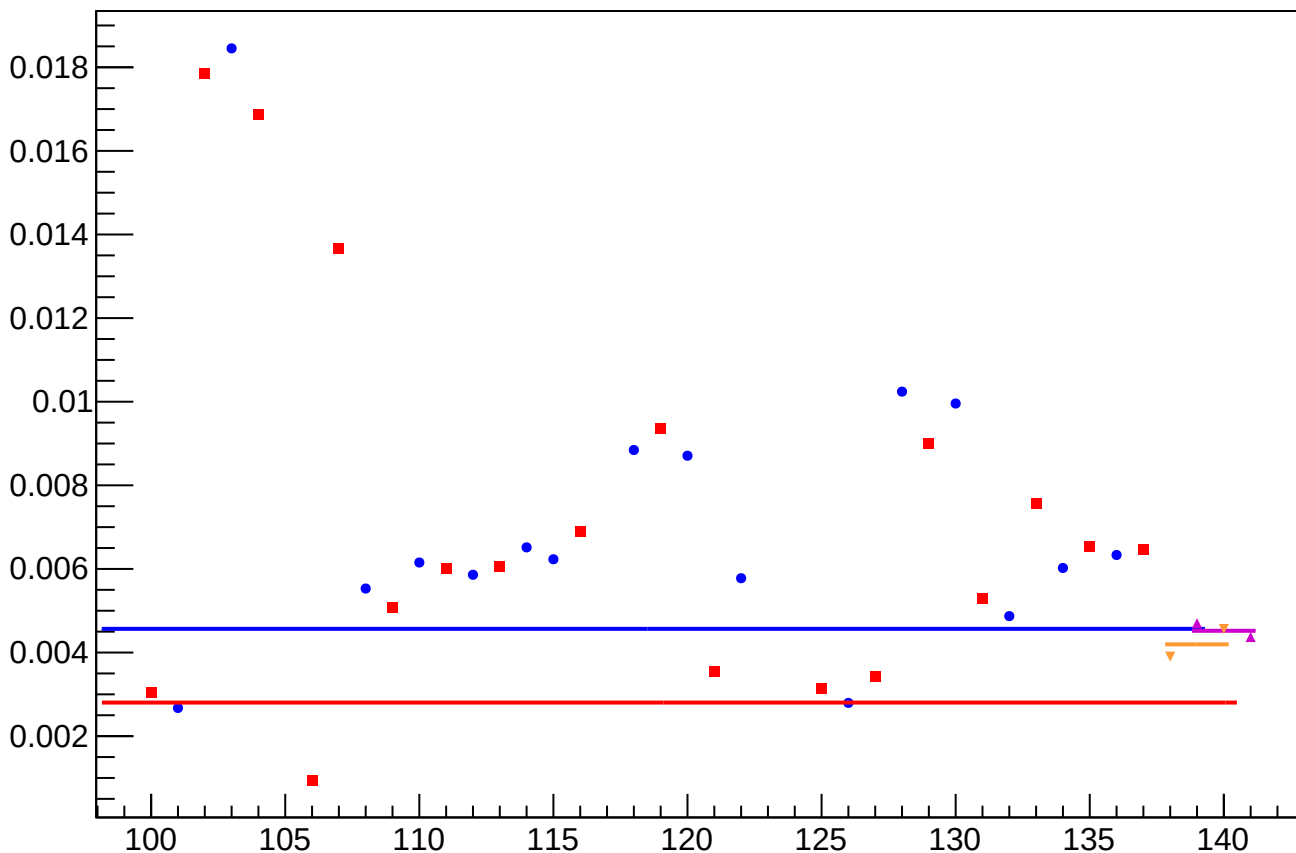
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 3012257.6/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:19539.5/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 6610011.8/17

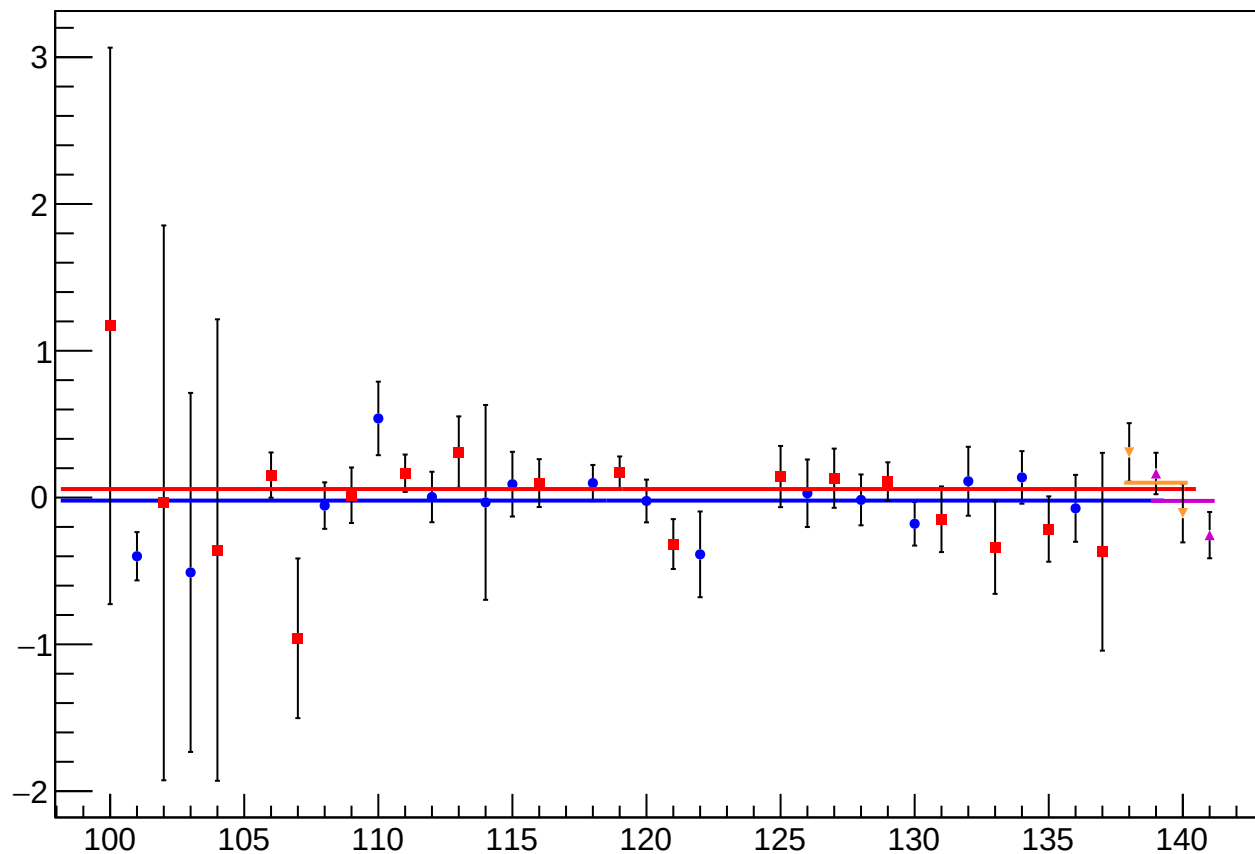
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:4528.3/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3050404.6/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 10933793.7/37

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7032741.5/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 χ^2/NDF : 15.6/15

Left Out: 0.101 ± 0.141 χ^2/NDF : 2.1/1

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

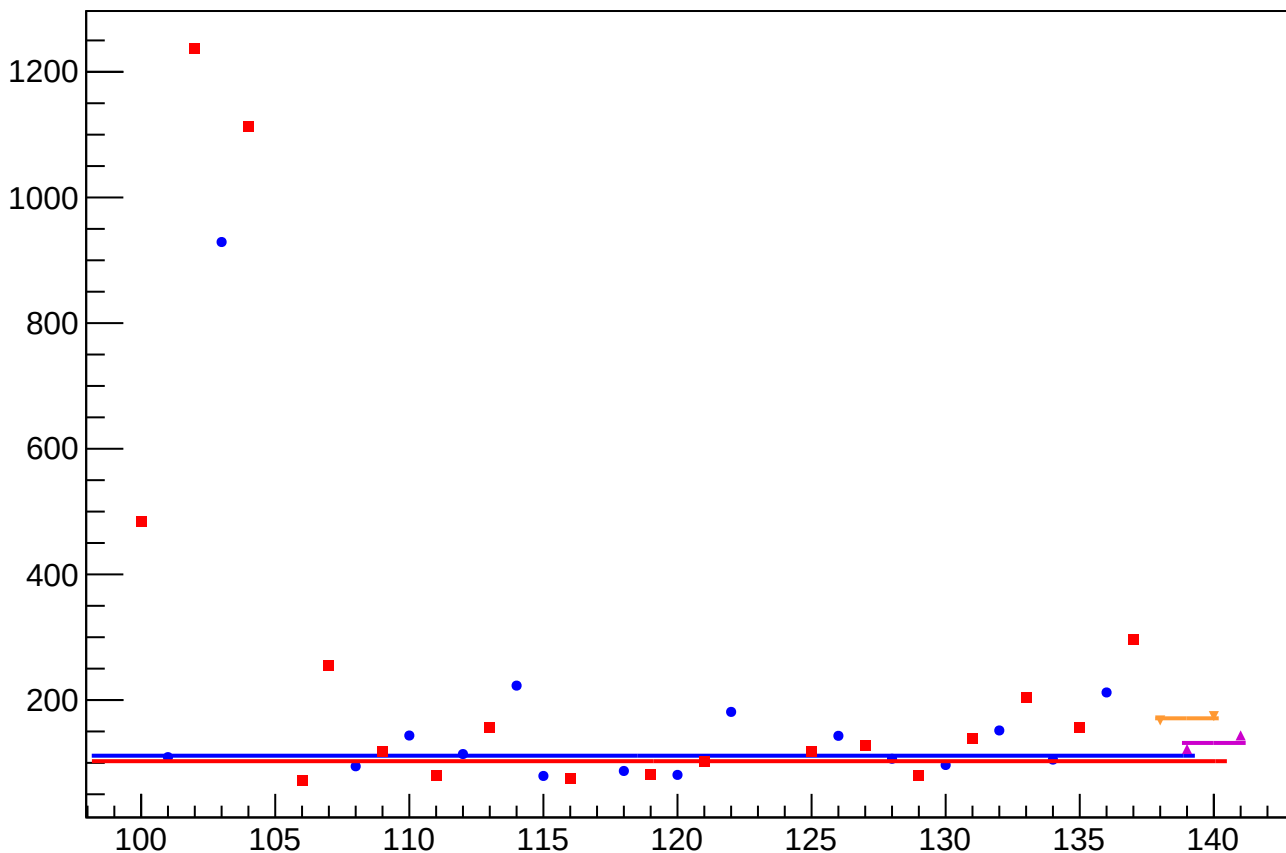
Left In: -0.023 ± 0.105 χ^2/NDF : 3.9/1

+ sign -0.008 ± 0.045 χ^2/NDF : 18.4/17

All: 0.020 ± 0.031 χ^2/NDF : 40.4/37

- sign 0.045 ± 0.042 χ^2/NDF : 21.3/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_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

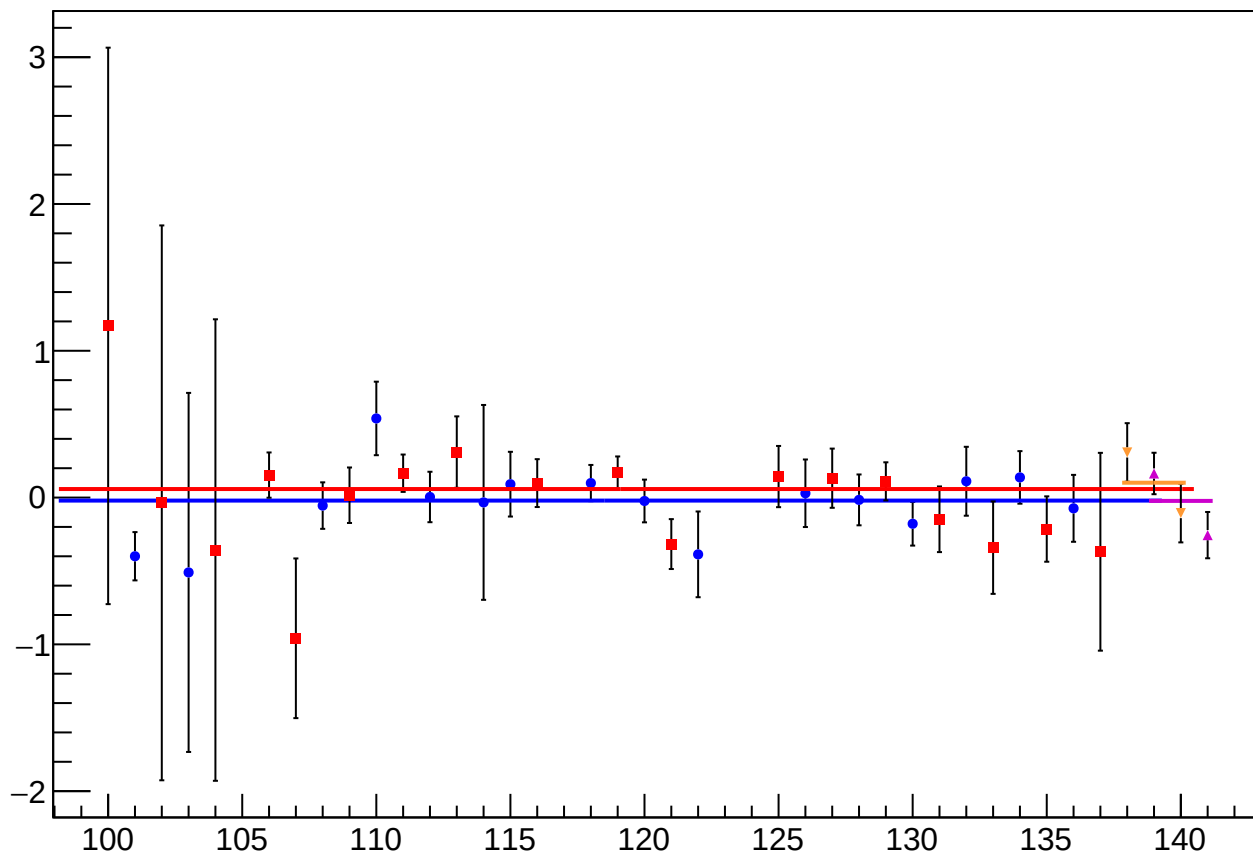
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF:21011.0/1

+ sign 117.490 $\pm$ 0.032 χ^2 /NDF: 2159977.4/17

All: 112.139 $\pm$ 0.022 χ^2 /NDF: 5188486.4/37

- sign 107.402 $\pm$ 0.030 χ^2 /NDF: 2975485.9/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 χ^2/NDF : 15.6/15

Left Out: 0.101 ± 0.141 χ^2/NDF : 2.1/1

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

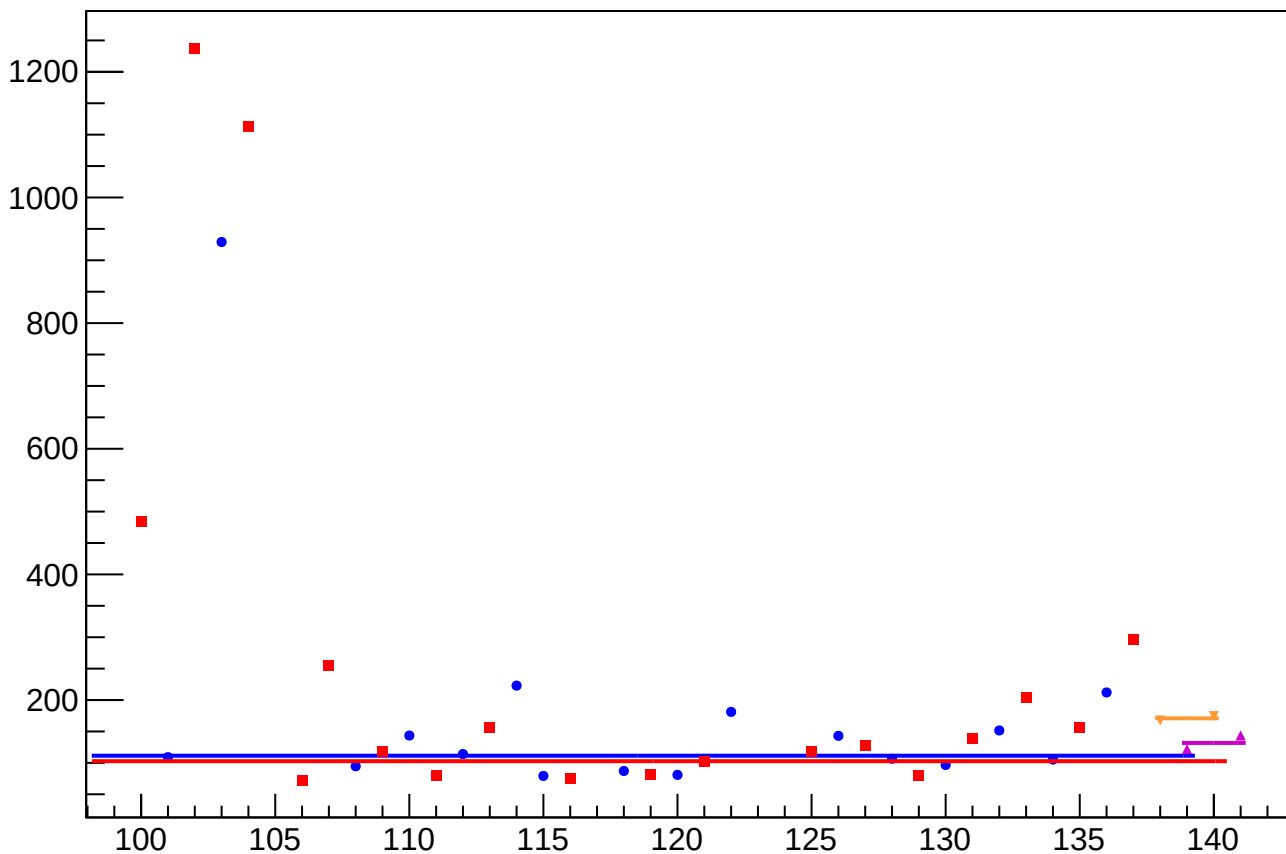
Left In: -0.023 ± 0.105 χ^2/NDF : 3.9/1

+ sign -0.008 ± 0.045 χ^2/NDF : 18.4/17

All: 0.020 ± 0.031 χ^2/NDF : 40.4/37

- sign 0.045 ± 0.042 χ^2/NDF : 21.3/19

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

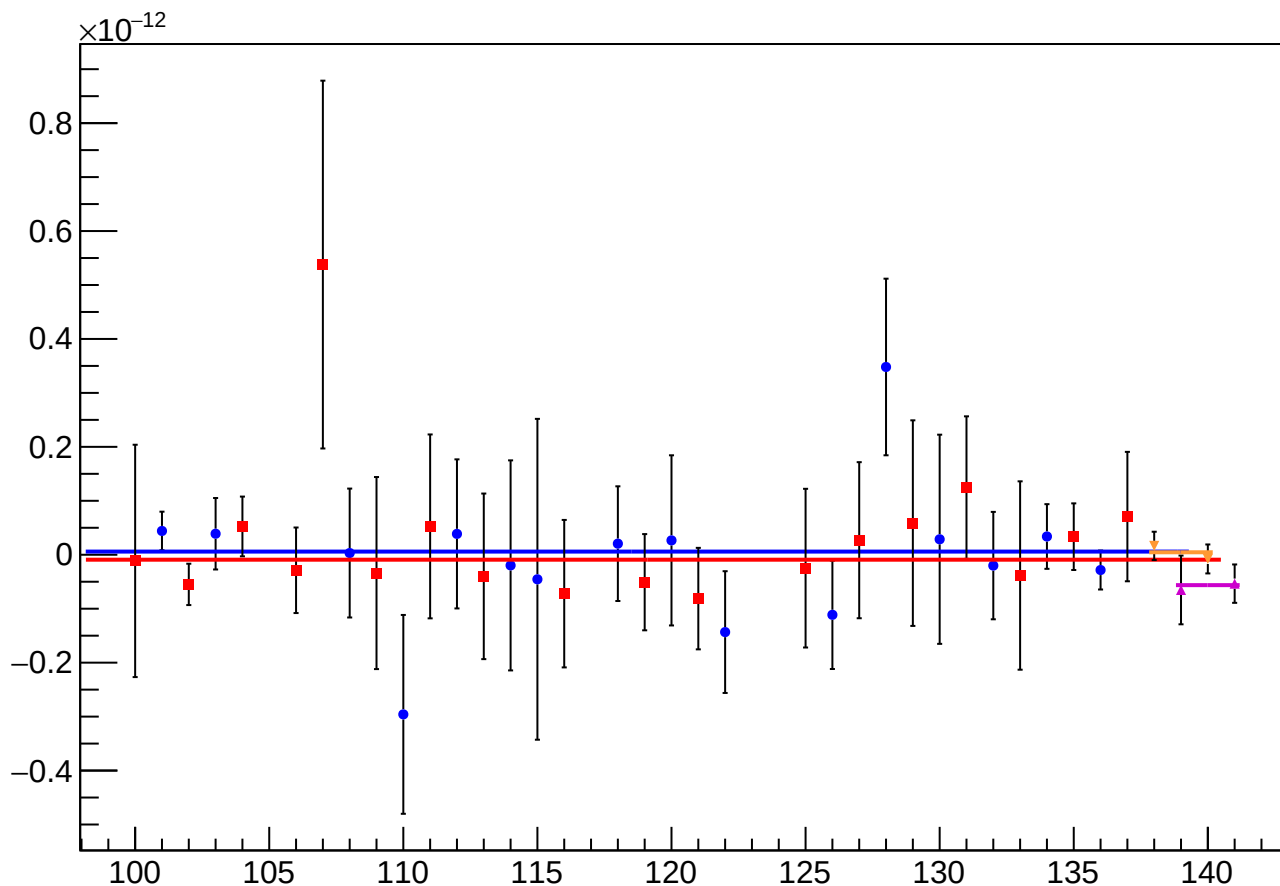
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF:21011.0/1

+ sign 117.490 $\pm$ 0.032 χ^2 /NDF: 2159977.4/17

All: 112.139 $\pm$ 0.022 χ^2 /NDF: 5188486.4/37

- sign 107.402 $\pm$ 0.030 χ^2 /NDF: 2975485.9/19

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

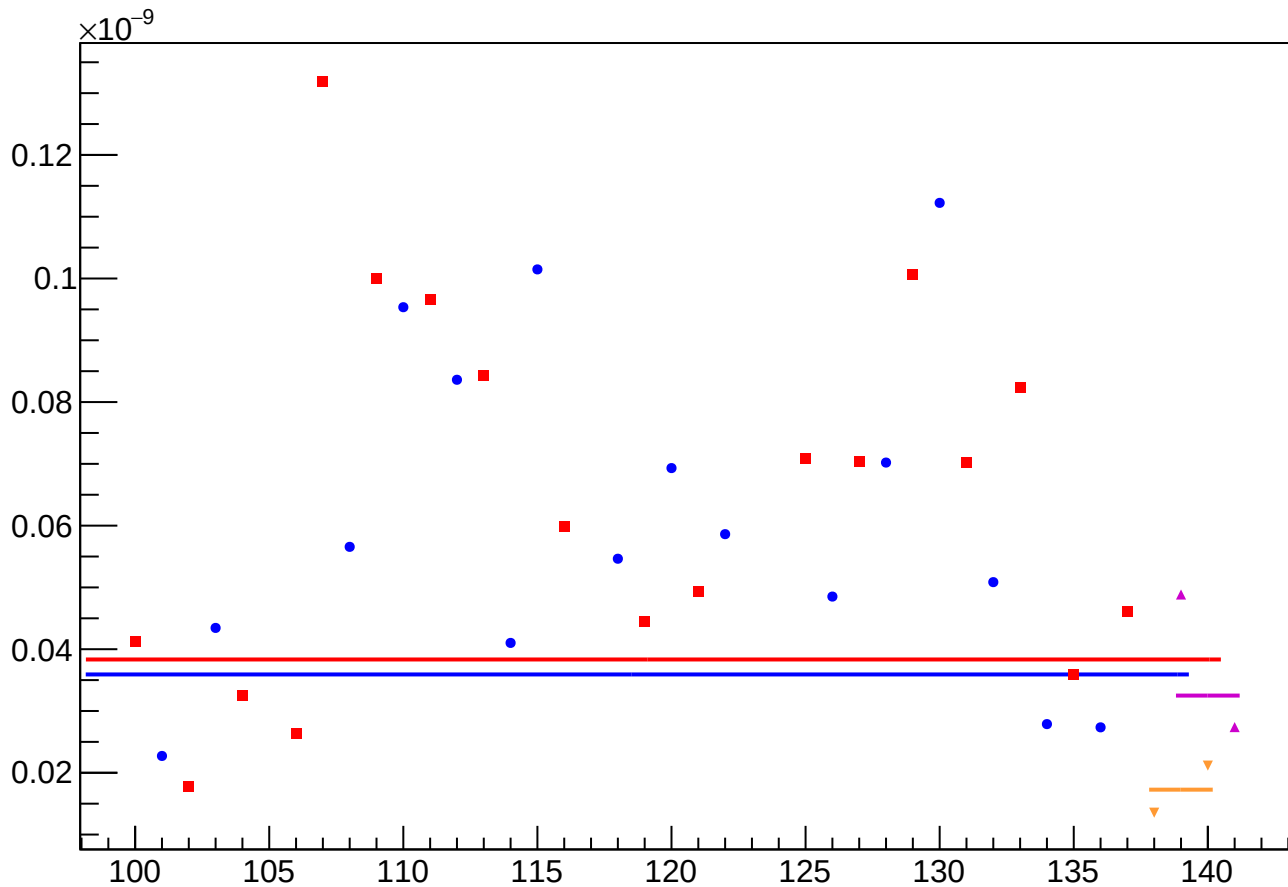
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.3/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.3/19

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

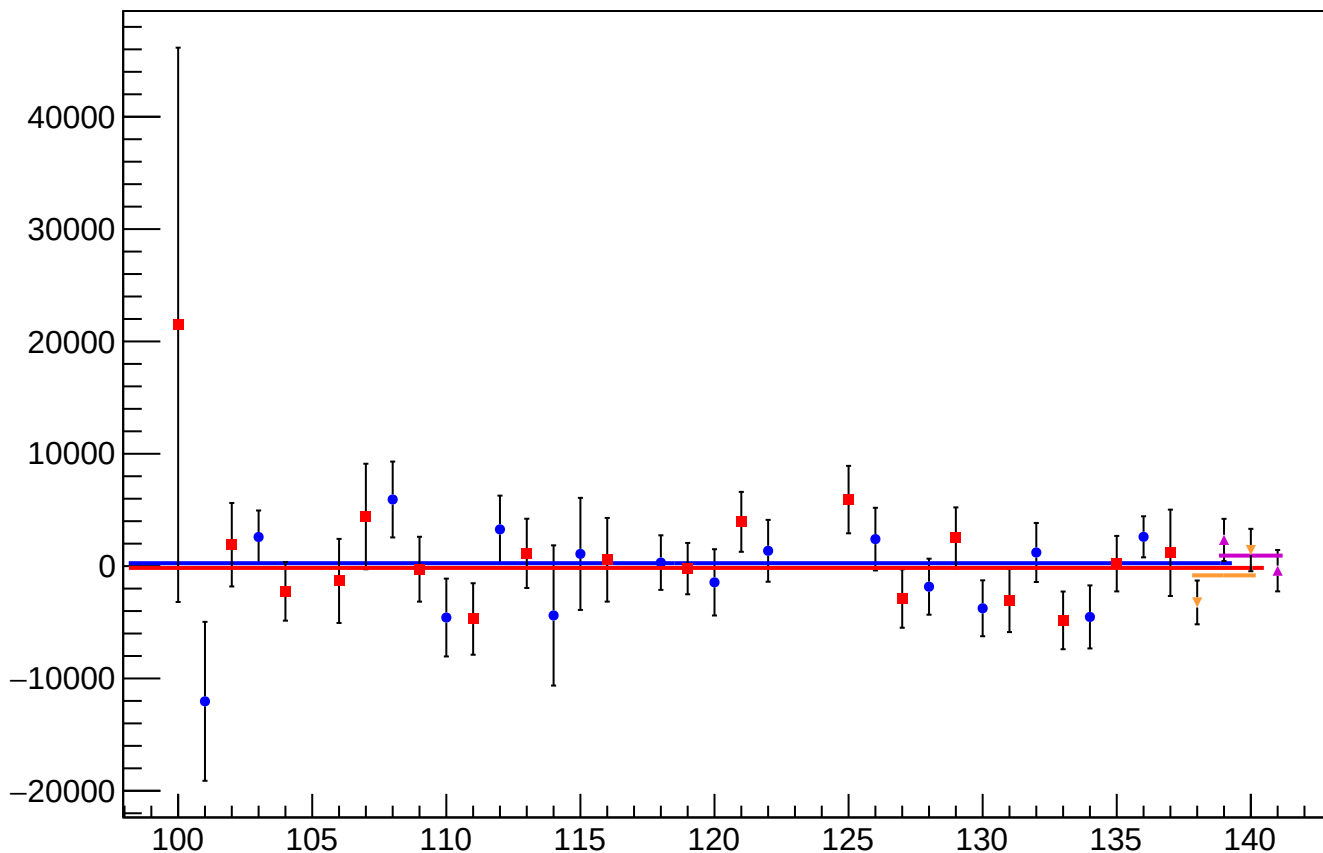
Left In: 0.000+/-0.000 χ^2/NDF : 172996.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 2807304.3/17

All: 0.000+/-0.000 χ^2/NDF : 5638274.7/37

- sign 0.000+/-0.000 χ^2/NDF : 2423005.2/19

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

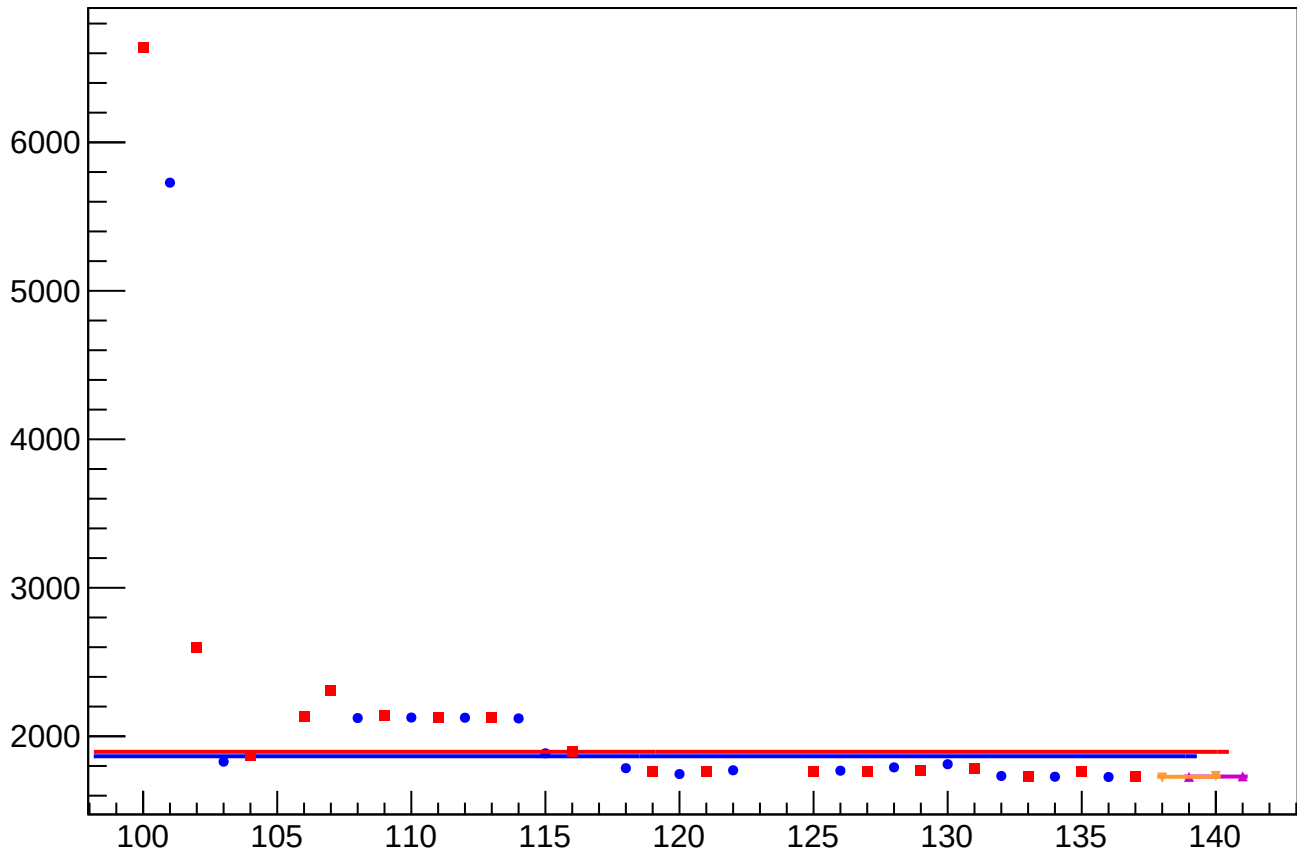
Left In: 935.193 $\pm$ 1313.674 χ^2 /NDF:1.1/1

+ sign 26.593 $\pm$ 628.734 χ^2 /NDF: 22.9/17

All: 58.103 $\pm$ 443.678 χ^2 /NDF: 42.6/37

- sign 89.358 $\pm$ 626.184 χ^2 /NDF: 19.7/19

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF :30.8/1

+ sign 1835.490+/-0.445 χ^2/NDF : 689014.0/17

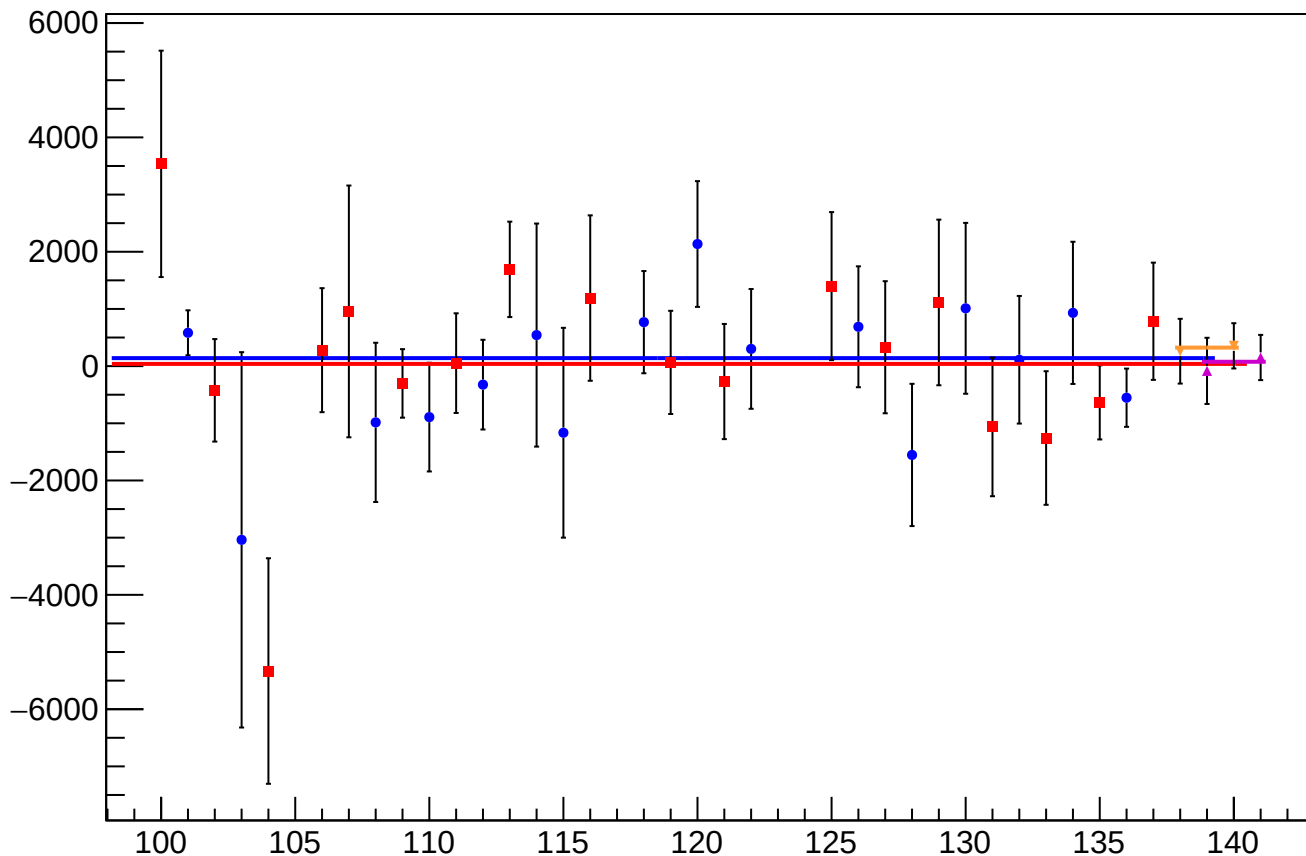
Right Out: 1895.250+/-0.504 χ^2/NDF : 250806.5/17

All: 1846.498+/-0.314 χ^2/NDF : 965876.6/37

- sign 1857.417+/-0.443 χ^2/NDF : 275641.3/19

Left In: 1728.741+/-0.929 χ^2/NDF :4.2/1

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

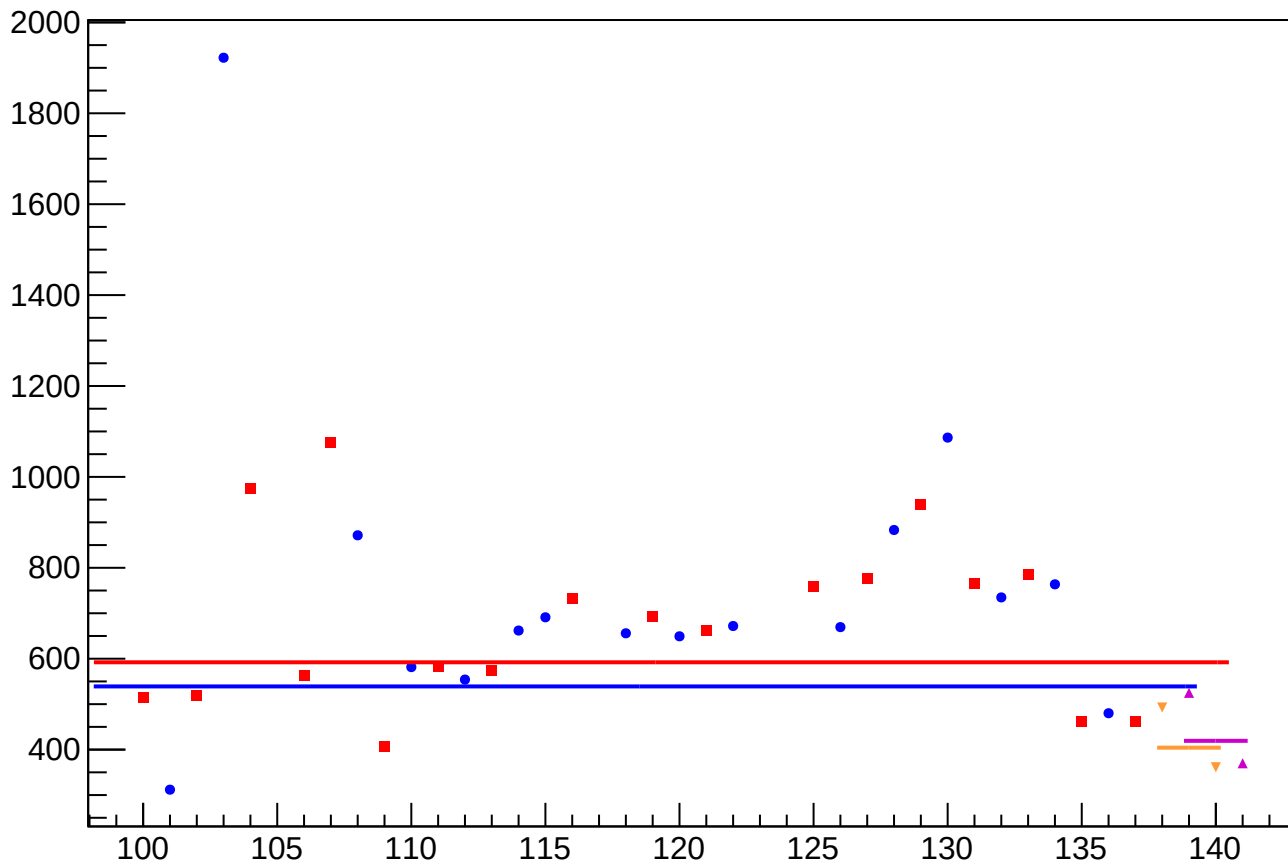
Left In: 76.263 $\pm$ 326.421 χ^2 /NDF:0.1/1

+ sign 197.878 $\pm$ 182.129 χ^2 /NDF: 13.7/17

All: 128.816 $\pm$ 132.281 χ^2 /NDF: 35.5/37

- sign 51.710 $\pm$ 192.444 χ^2 /NDF: 21.5/19

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016 $\pm$ 0.156 χ^2 /NDF: 1854576.5/15

Left Out: 404.260 $\pm$ 0.229 χ^2 /NDF: 72410.0/1

Right Out: 592.101 $\pm$ 0.168 χ^2 /NDF: 843066.1/17

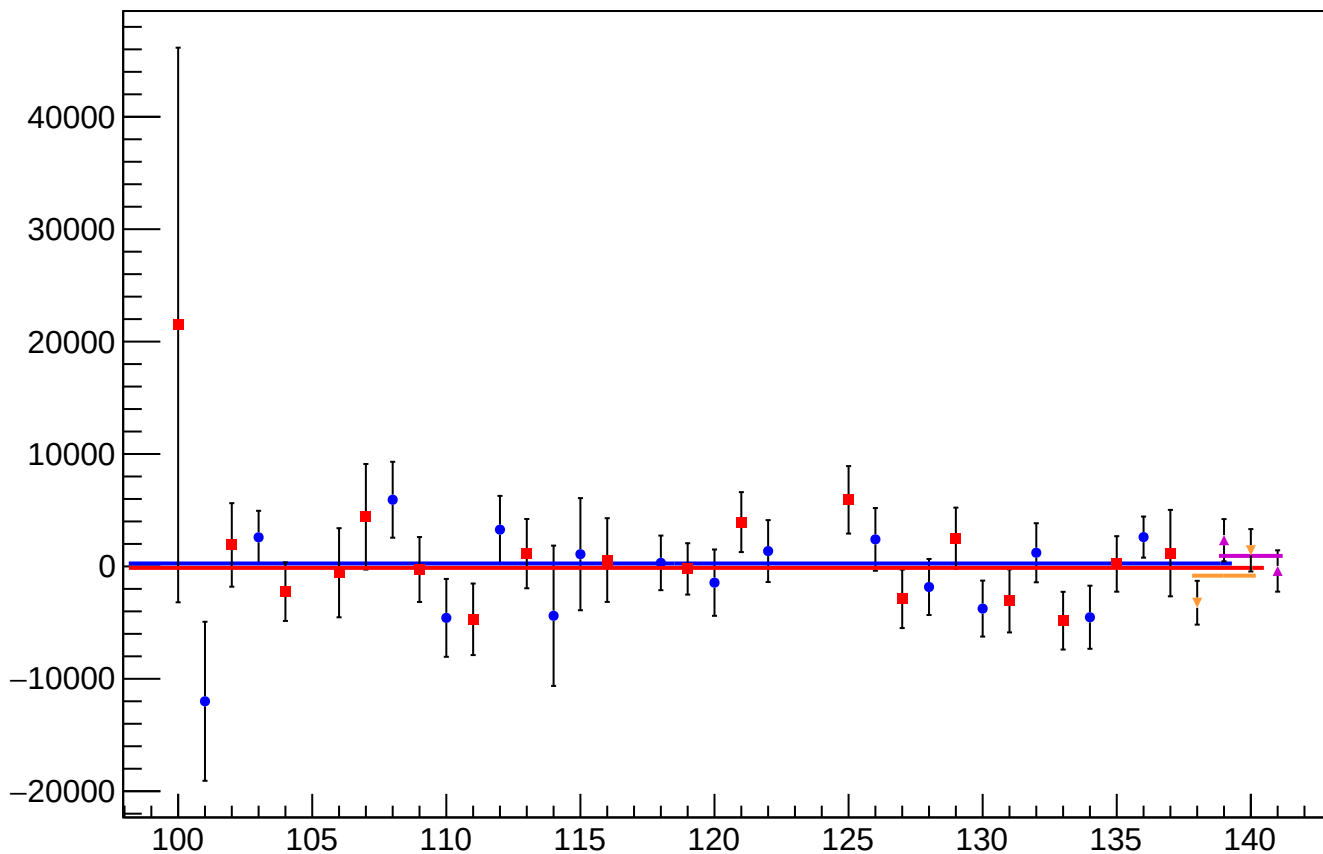
Left In: 419.292 $\pm$ 0.231 χ^2 /NDF: 97824.0/1

+ sign 496.531 $\pm$ 0.129 χ^2 /NDF: 2163345.4/17

All: 513.307 $\pm$ 0.094 χ^2 /NDF: 3505855.4/37

- sign 532.037 $\pm$ 0.136 χ^2 /NDF: 1306597.0/19

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

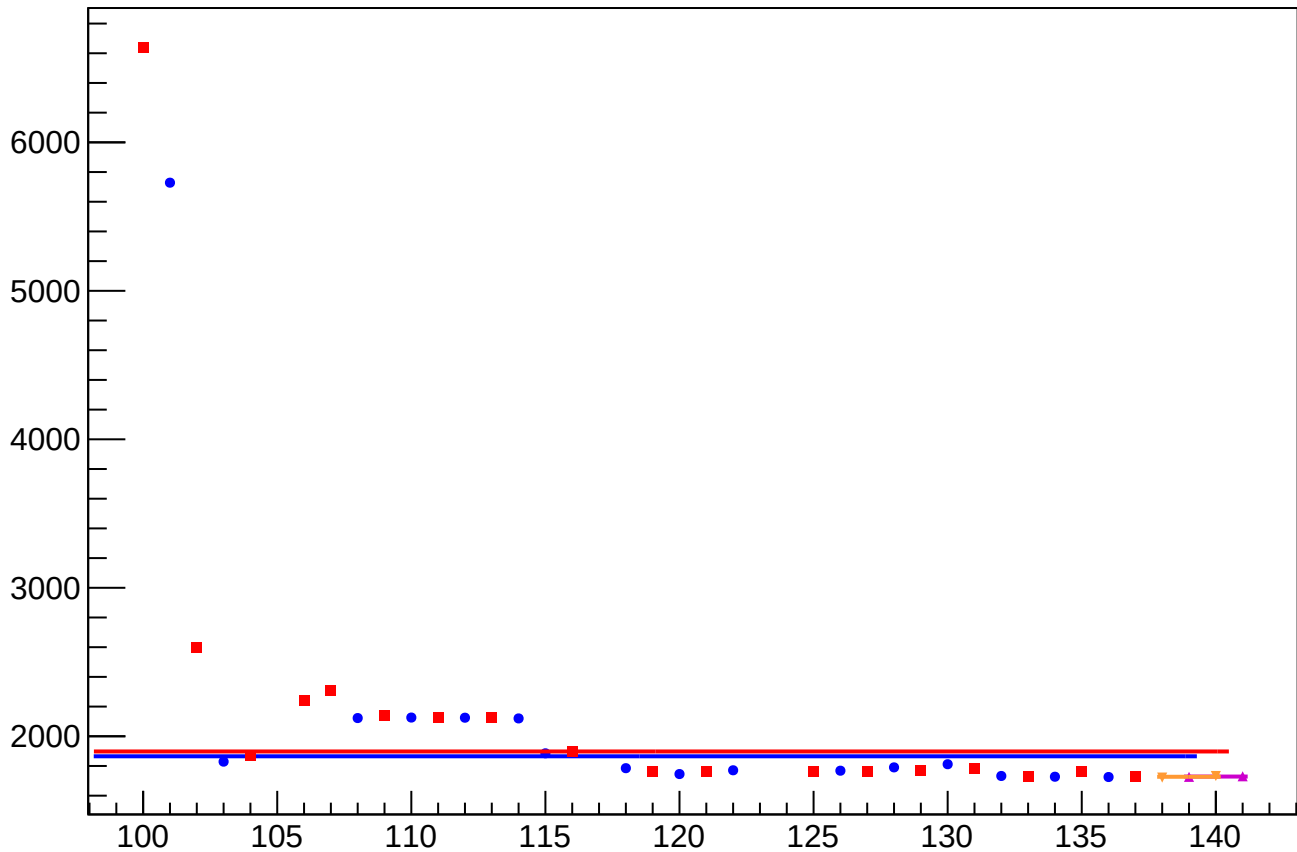
Left In: 935.609 $\pm$ 1313.674 χ^2 /NDF:1.1/1

+ sign 26.754 $\pm$ 628.734 χ^2 /NDF: 22.9/17

All: 69.897 $\pm$ 444.018 χ^2 /NDF: 42.5/37

- sign 112.821 $\pm$ 627.141 χ^2 /NDF: 19.6/19

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF : 30.8/1

Right Out: 1897.700+/-0.505 χ^2/NDF : 257735.0/17

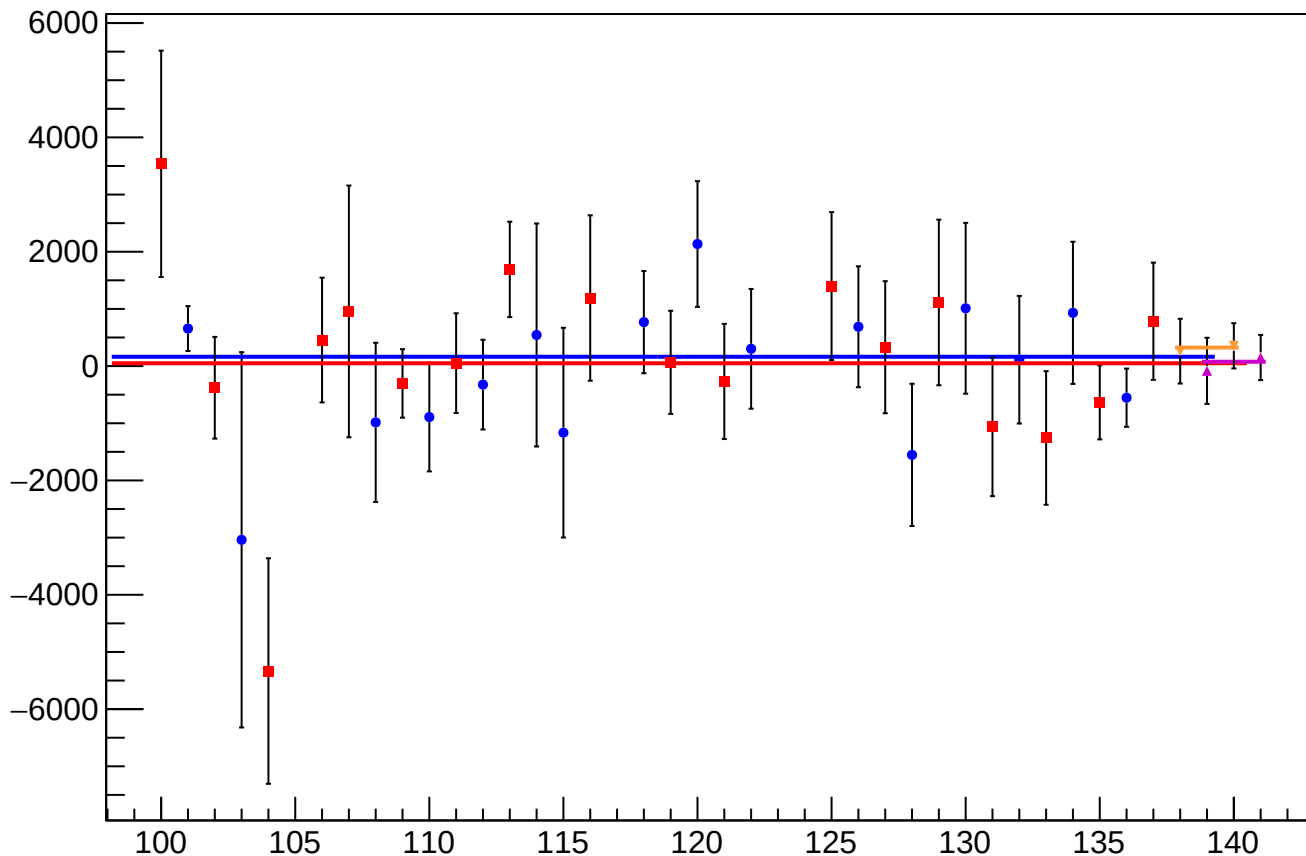
Left In: 1728.741+/-0.929 χ^2/NDF : 4.2/1

+ sign 1835.489+/-0.445 χ^2/NDF : 689013.9/17

All: 1847.372+/-0.314 χ^2/NDF : 973721.9/37

- sign 1859.194+/-0.443 χ^2/NDF : 283283.0/19

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 163.149+/-220.024 χ^2/NDF : 13.9/15

Left Out: 324.061+/-324.370 χ^2/NDF : 0.0/1

Right Out: 49.618+/-238.198 χ^2/NDF : 21.4/17

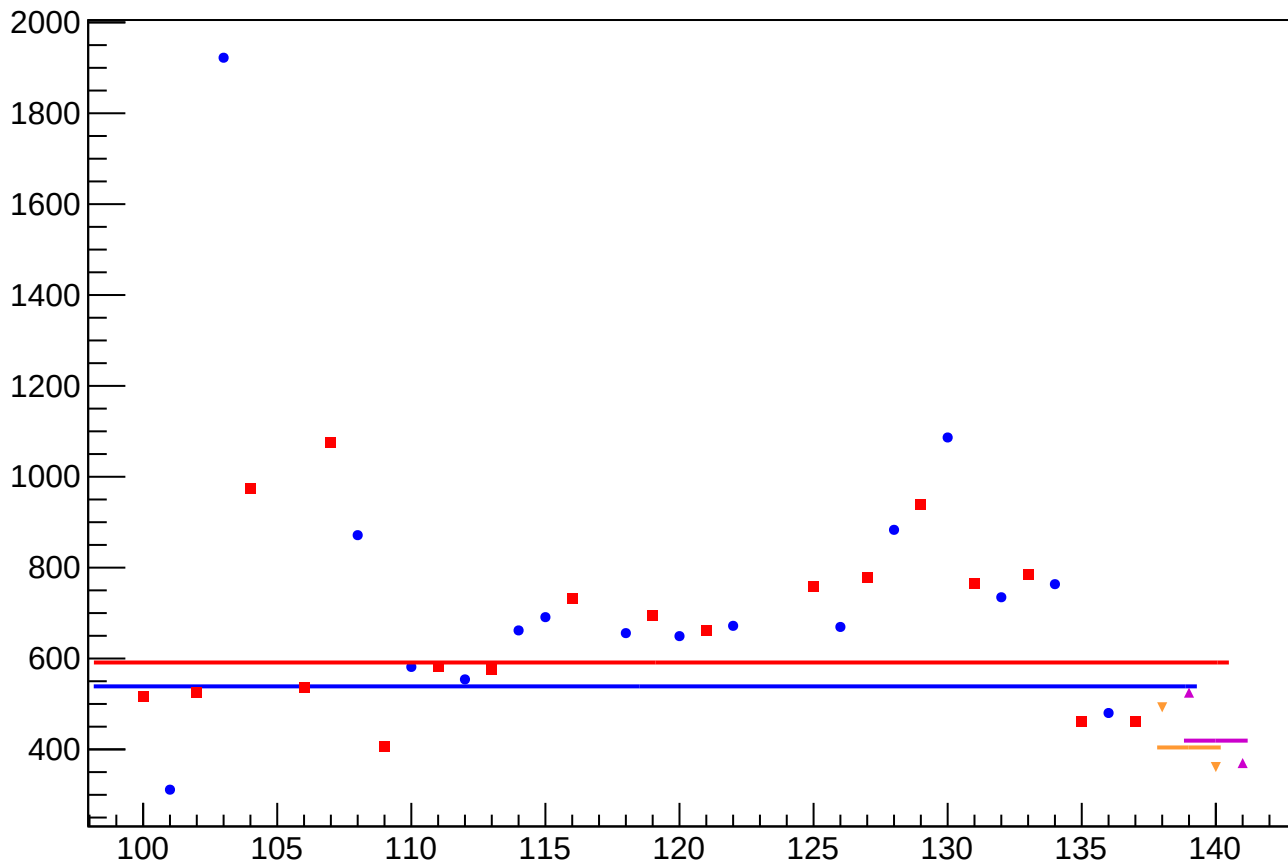
Left In: 76.137+/-326.408 χ^2/NDF : 0.1/1

+ sign 213.855+/-182.087 χ^2/NDF : 14.1/17

All: 140.615+/-132.254 χ^2/NDF : 36.0/37

- sign 58.833+/-192.412 χ^2/NDF : 21.6/19

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703 $\pm$ 0.156 χ^2 /NDF: 1858892.9/15

Left Out: 404.266 $\pm$ 0.229 χ^2 /NDF: 72418.2/1

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

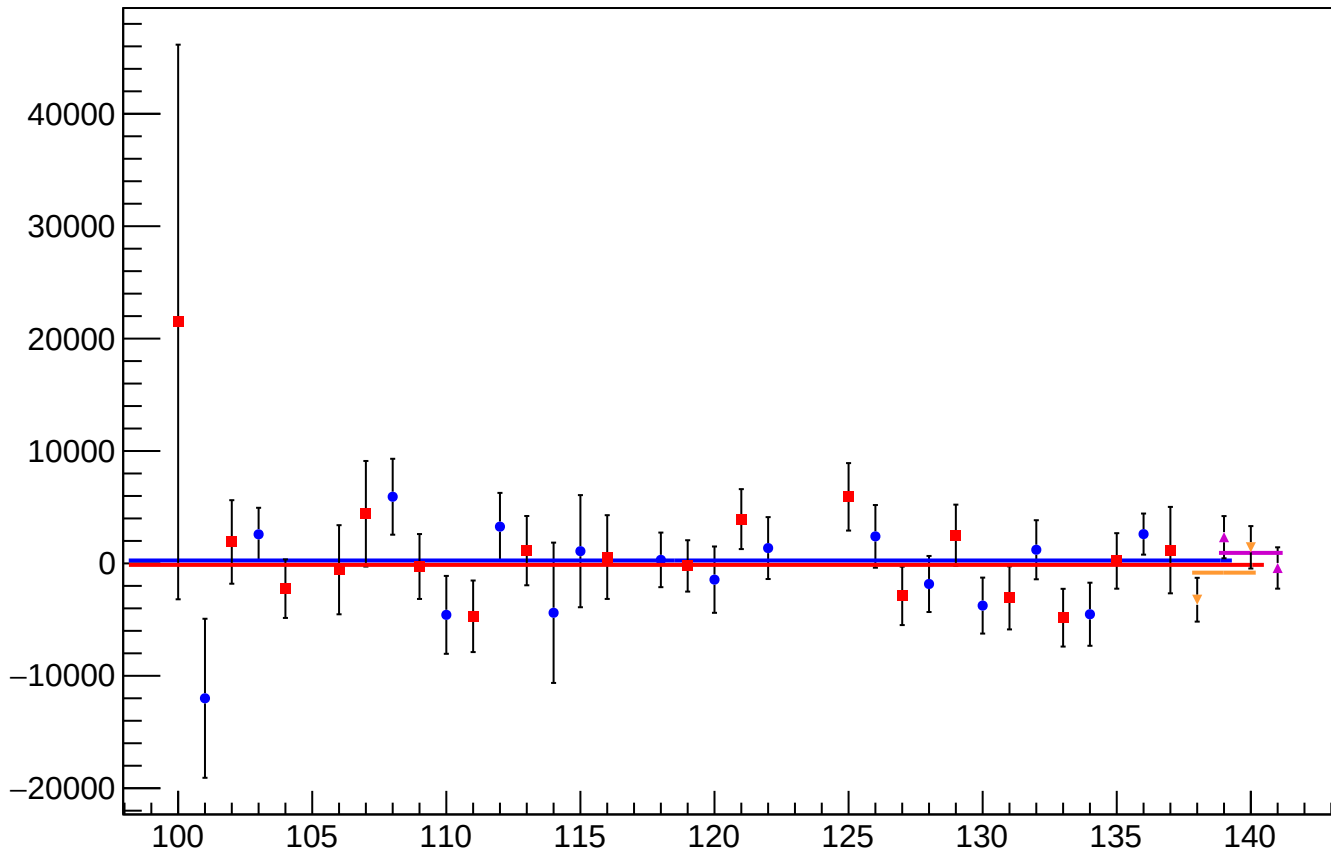
Left In: 419.276 $\pm$ 0.231 χ^2 /NDF: 97821.2/1

+ sign 496.340 $\pm$ 0.129 χ^2 /NDF: 2166600.5/17

All: 512.944 $\pm$ 0.094 χ^2 /NDF: 3506387.5/37

- sign 531.485 $\pm$ 0.136 χ^2 /NDF: 1304584.8/19

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

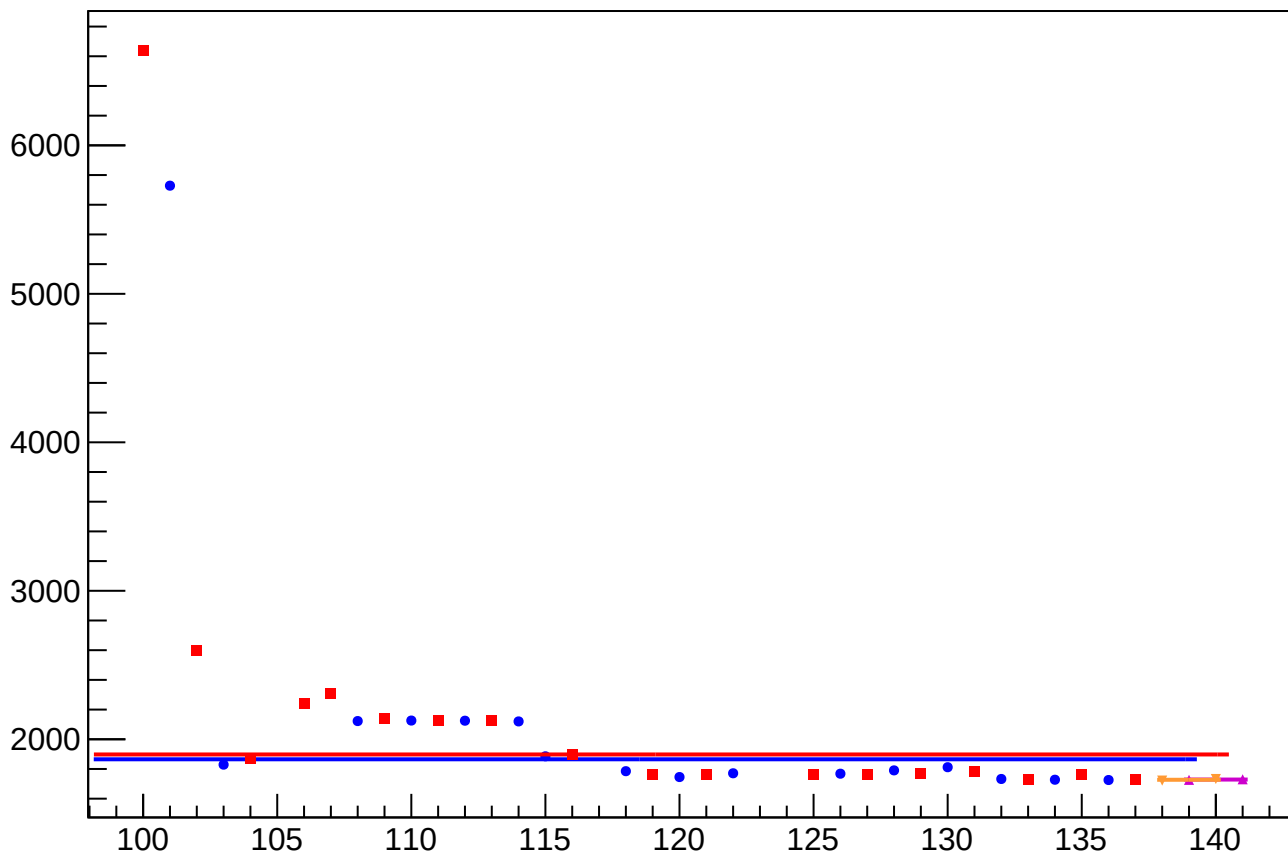
Left In: 935.609 $\pm$ 1313.674 χ^2 /NDF:1.1/1

+ sign 26.754 $\pm$ 628.734 χ^2 /NDF: 22.9/17

All: 69.897 $\pm$ 444.018 χ^2 /NDF: 42.5/37

- sign 112.821 $\pm$ 627.141 χ^2 /NDF: 19.6/19

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170 $\pm$ 0.502 χ^2 /NDF: 672724.7/15

Left Out: 1727.219 $\pm$ 0.958 χ^2 /NDF:30.8/1

Right Out: 1897.700 $\pm$ 0.505 χ^2 /NDF: 257735.0/17

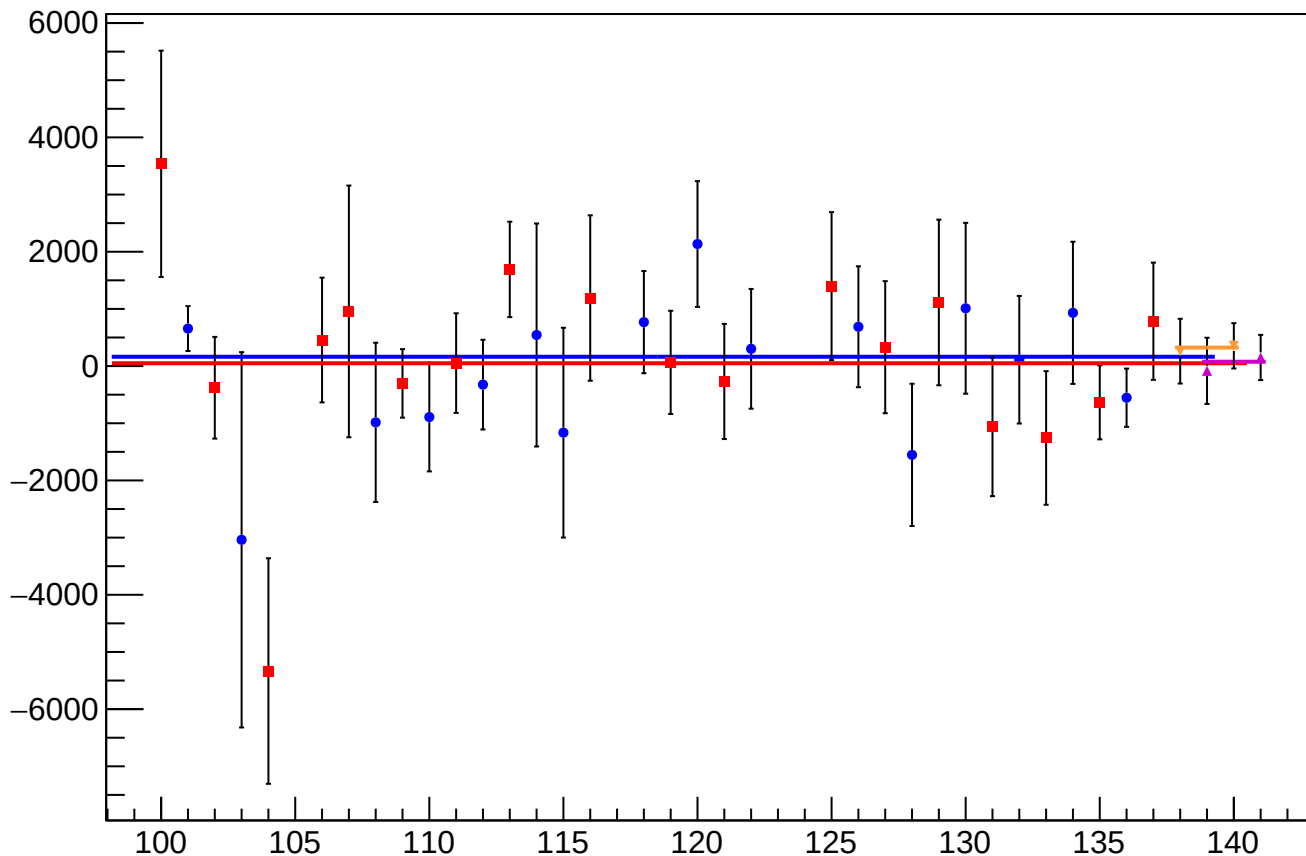
Left In: 1728.741 $\pm$ 0.929 χ^2 /NDF:4.2/1

+ sign 1835.489 $\pm$ 0.445 χ^2 /NDF: 689013.9/17

All: 1847.372 $\pm$ 0.314 χ^2 /NDF: 973721.9/37

- sign 1859.194 $\pm$ 0.443 χ^2 /NDF: 283283.0/19

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 163.149+/-220.024 χ^2/NDF : 13.9/15

Left Out: 324.061+/-324.370 χ^2/NDF : 0.0/1

Right Out: 49.618+/-238.198 χ^2/NDF : 21.4/17

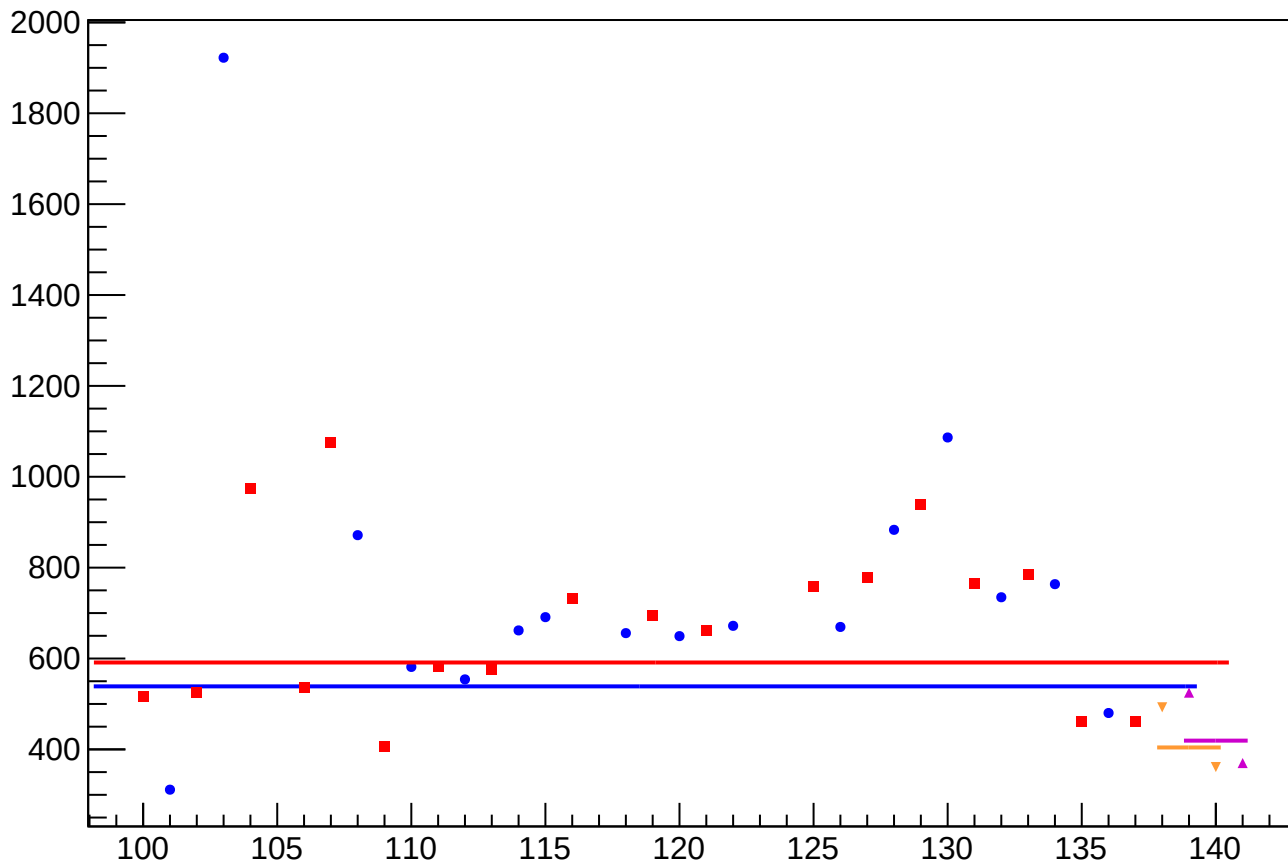
Left In: 76.137+/-326.408 χ^2/NDF : 0.1/1

+ sign 213.855+/-182.087 χ^2/NDF : 14.1/17

All: 140.615+/-132.254 χ^2/NDF : 36.0/37

- sign 58.833+/-192.412 χ^2/NDF : 21.6/19

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 538.703 $\pm$ 0.156 χ^2 /NDF: 1858892.9/15

Left Out: 404.266 $\pm$ 0.229 χ^2 /NDF: 72418.2/1

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

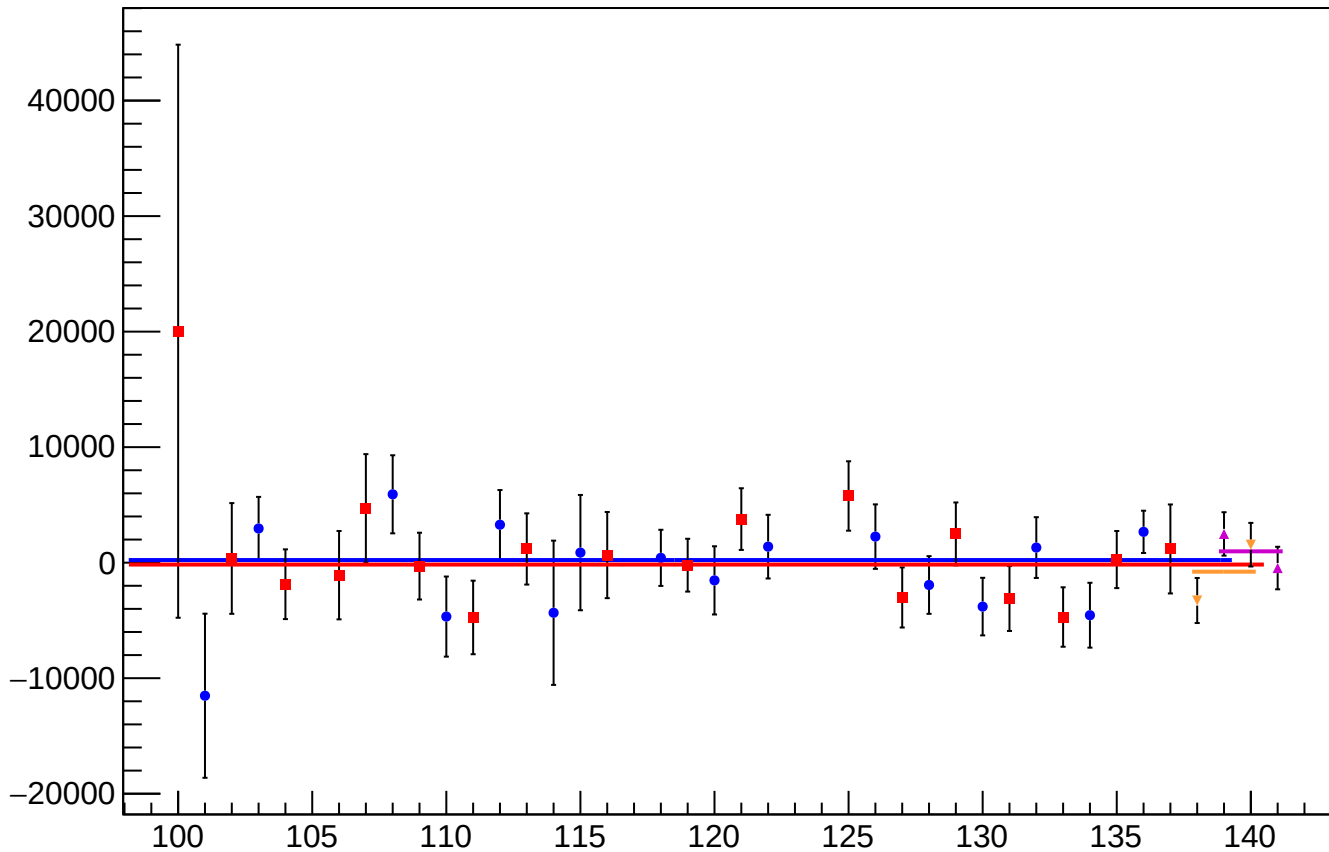
Left In: 419.276 $\pm$ 0.231 χ^2 /NDF: 97821.2/1

+ sign 496.340 $\pm$ 0.129 χ^2 /NDF: 2166600.5/17

All: 512.944 $\pm$ 0.094 χ^2 /NDF: 3506387.5/37

- sign 531.485 $\pm$ 0.136 χ^2 /NDF: 1304584.8/19

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227 ± 718.556 χ^2/NDF : 19.4/15

Left Out: -780.453 ± 1356.337 χ^2/NDF : 3.2/1

Right Out: -163.711 ± 725.798 χ^2/NDF : 17.0/17

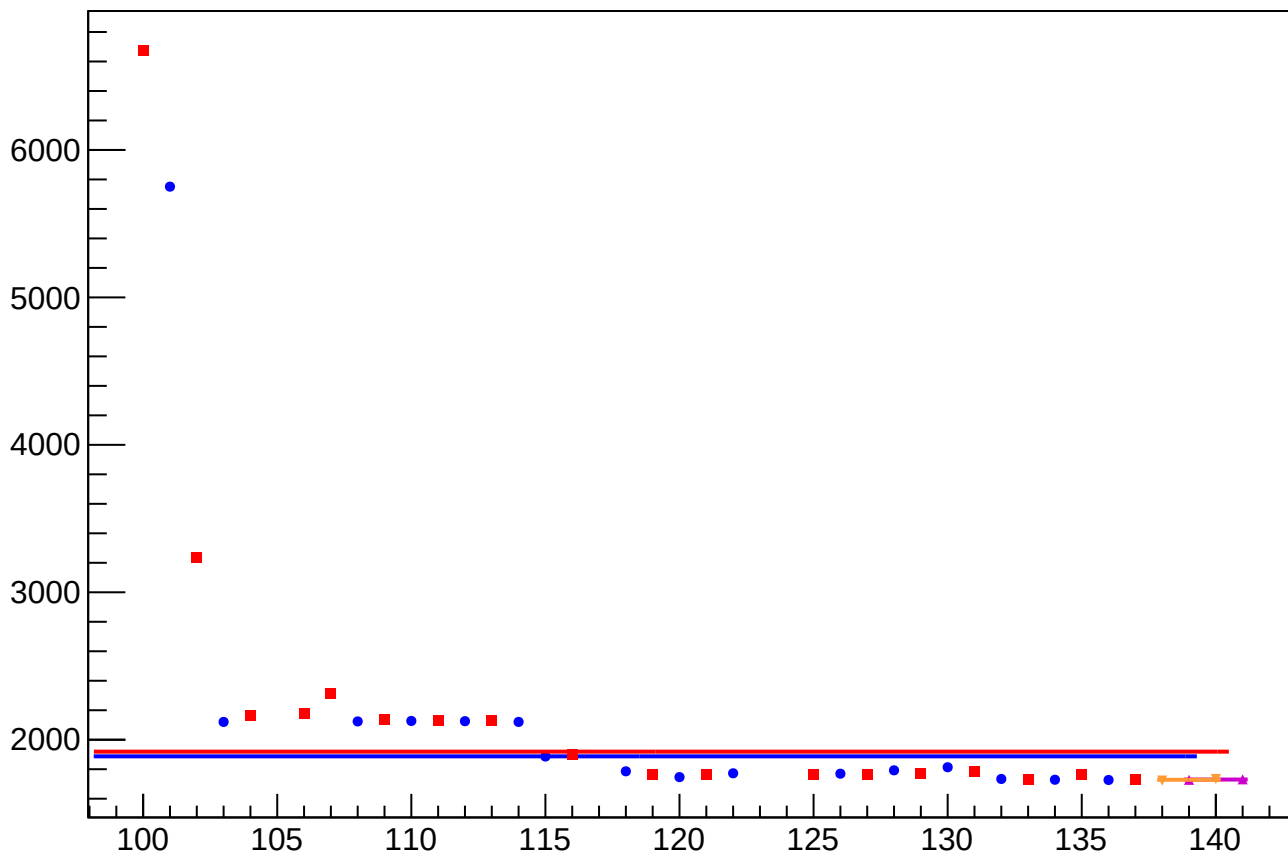
Left In: 980.938 ± 1314.597 χ^2/NDF : 1.3/1

+ sign 5.608 ± 634.955 χ^2/NDF : 23.0/17

All: 54.617 ± 449.135 χ^2/NDF : 41.9/37

- sign 103.693 ± 635.390 χ^2/NDF : 18.9/19

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF : 689442.6/15

Left Out: 1728.315+/-0.959 χ^2/NDF : 30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF : 352567.1/17

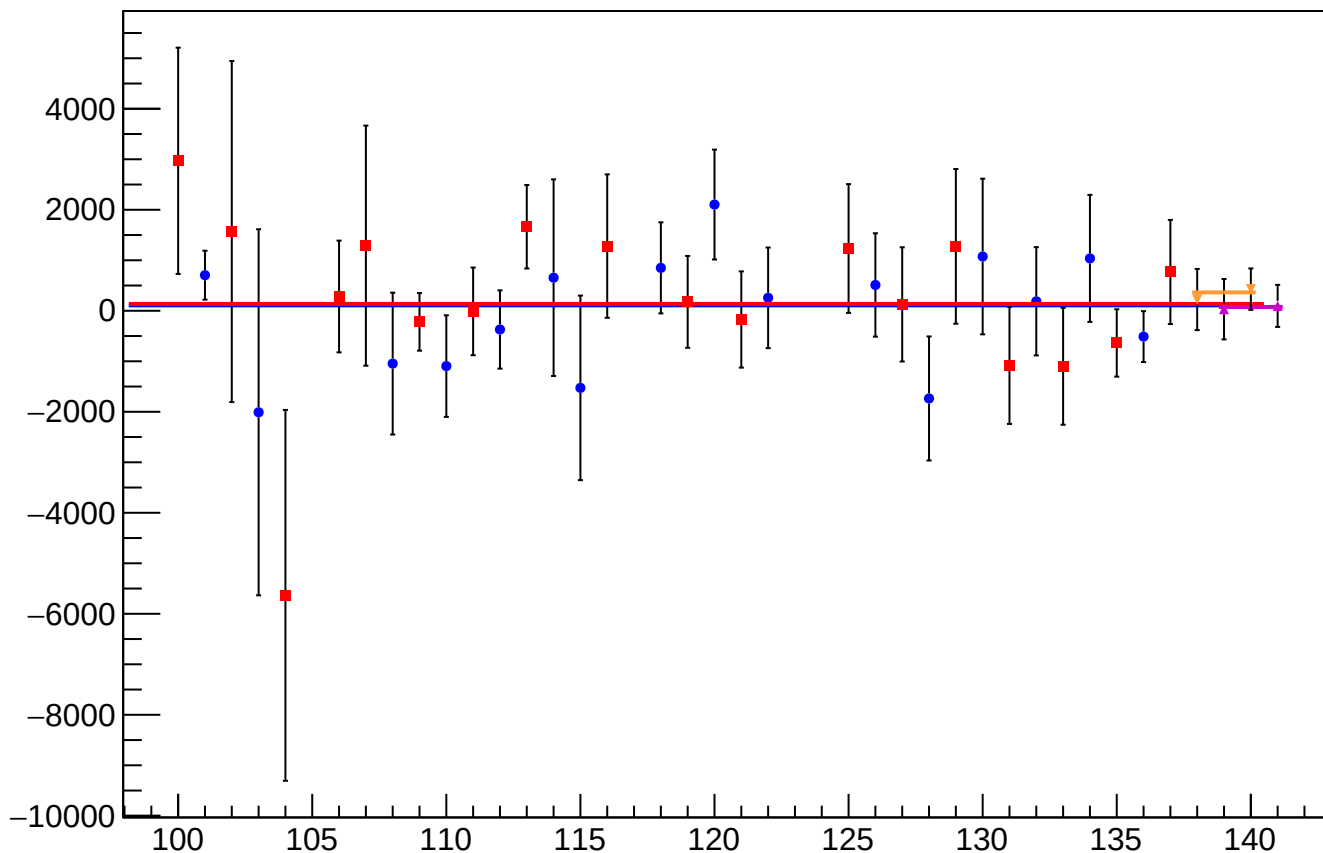
Left In: 1729.943+/-0.930 χ^2/NDF : 3.0/1

+ sign 1852.465+/-0.449 χ^2/NDF : 710933.1/17

All: 1863.705+/-0.318 χ^2/NDF : 1096513.8/37

- sign 1874.960+/-0.449 χ^2/NDF : 384326.6/19

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 108.131 $\pm$ 231.711 χ^2 /NDF: 14.2/15

Left Out: 363.798 $\pm$ 339.607 χ^2 /NDF:0.1/1

Right Out: 135.358 $\pm$ 245.933 χ^2 /NDF: 14.4/17

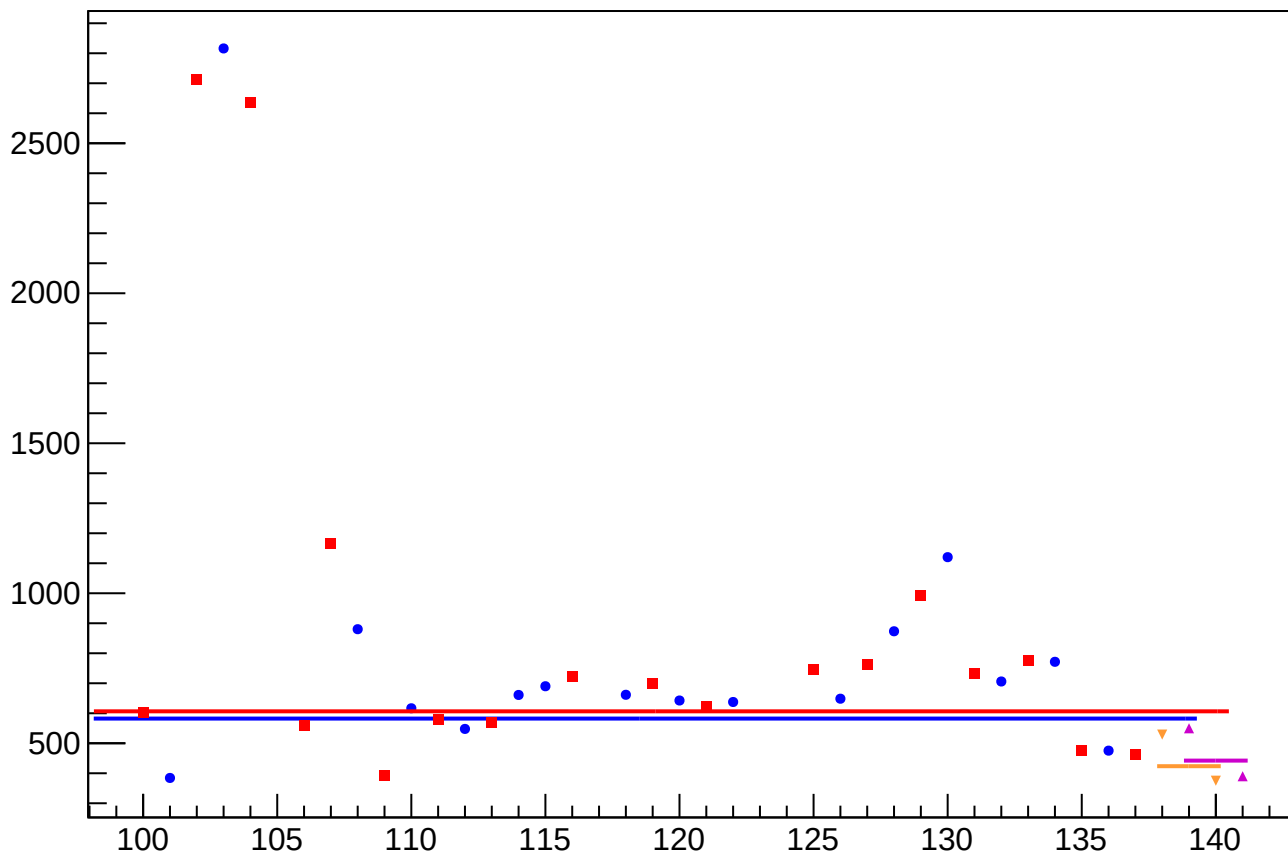
Left In: 75.333 $\pm$ 341.769 χ^2 /NDF:0.0/1

+ sign 189.343 $\pm$ 191.404 χ^2 /NDF: 14.6/17

All: 153.676 $\pm$ 138.157 χ^2 /NDF: 29.1/37

- sign 114.880 $\pm$ 199.622 χ^2 /NDF: 14.4/19

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

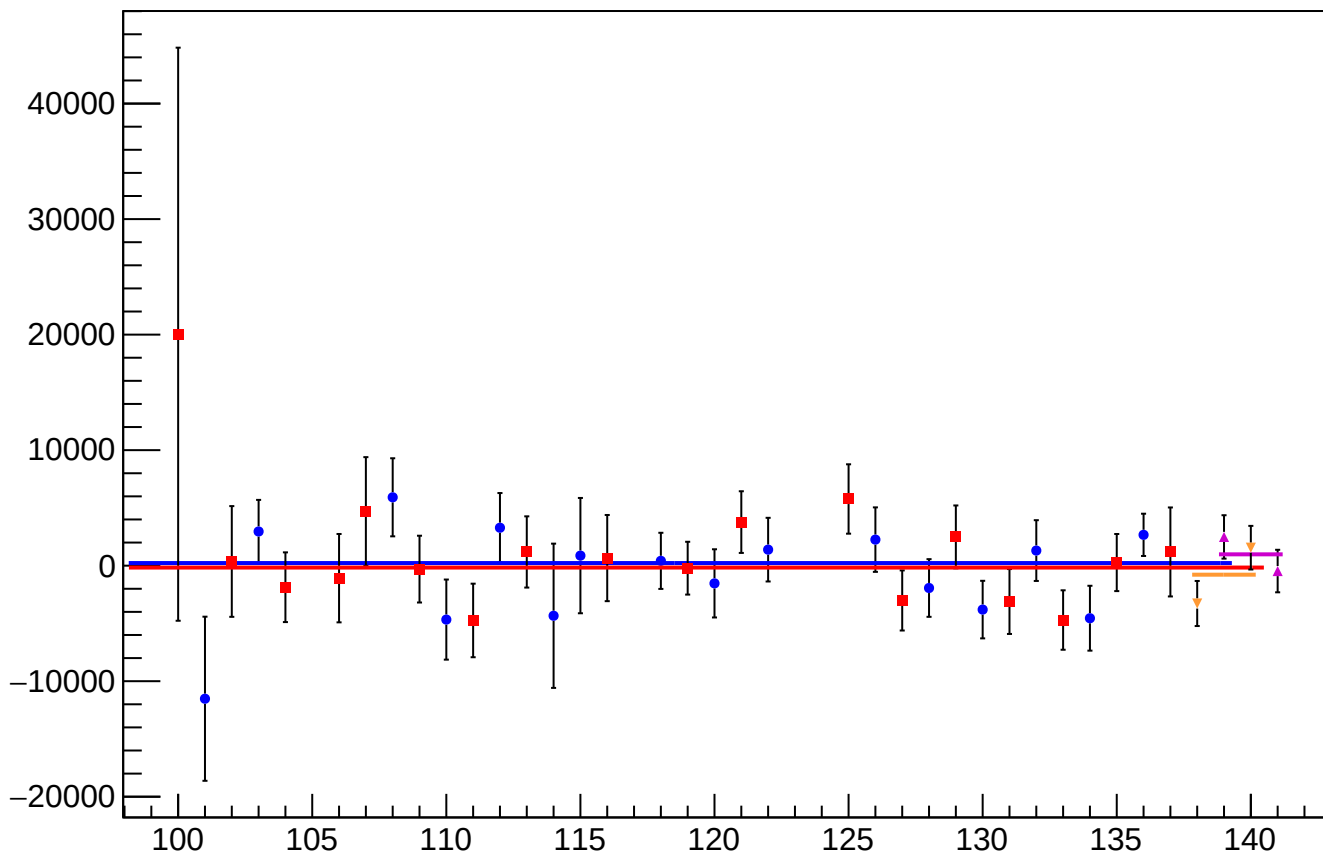
Left In: 442.180+/-0.242 χ^2/NDF : 96214.4/1

+ sign 531.850+/-0.135 χ^2/NDF : 2140831.9/17

All: 540.739+/-0.098 χ^2/NDF : 4748870.2/37

- sign 550.409+/-0.141 χ^2/NDF : 2599031.5/19

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

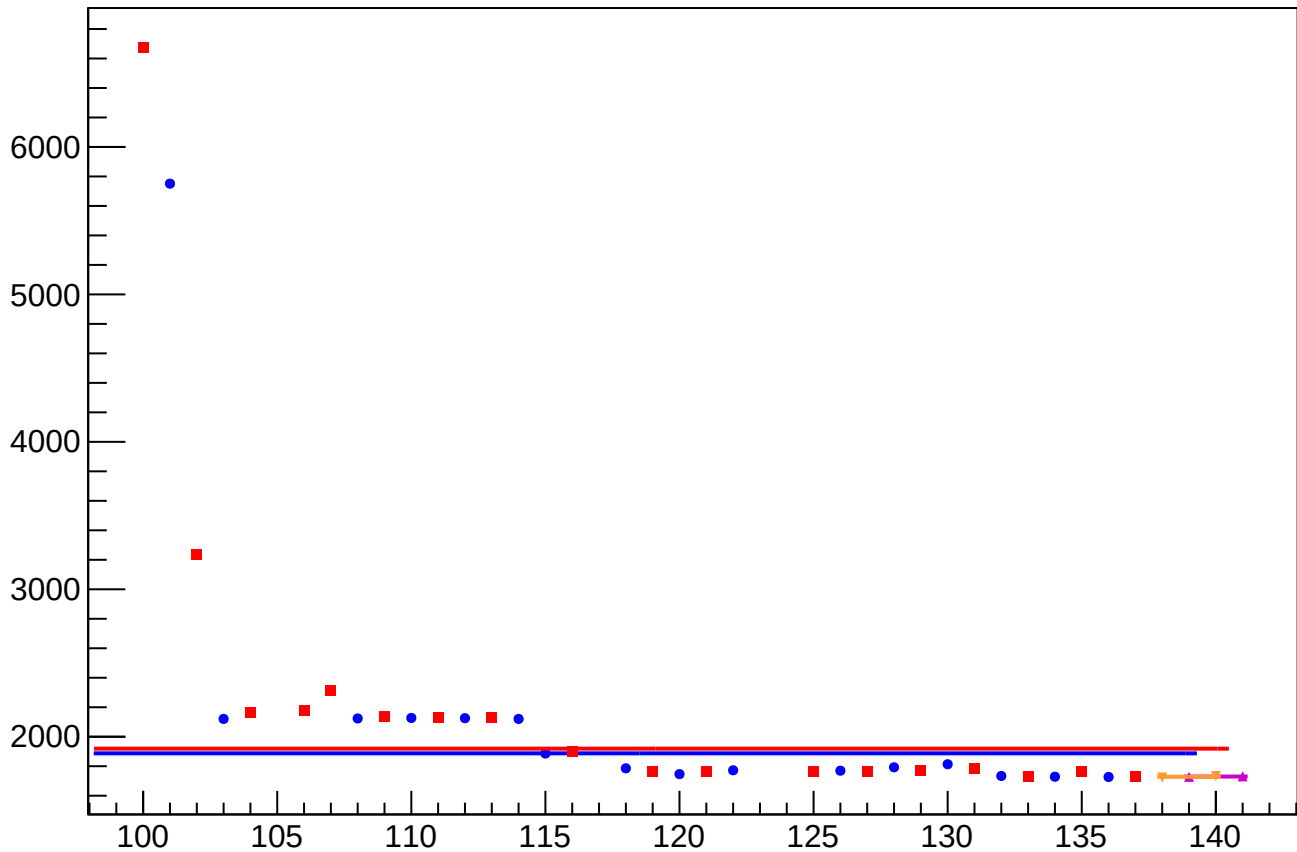
Left In: 980.938 $\pm$ 1314.597 χ^2 /NDF:1.3/1

+ sign 5.609 $\pm$ 634.955 χ^2 /NDF: 23.0/17

All: 54.617 $\pm$ 449.135 χ^2 /NDF: 41.9/37

- sign 103.693 $\pm$ 635.390 χ^2 /NDF: 18.9/19

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF : 689442.4/15

Left Out: 1728.315+/-0.959 χ^2/NDF :30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF : 352566.4/17

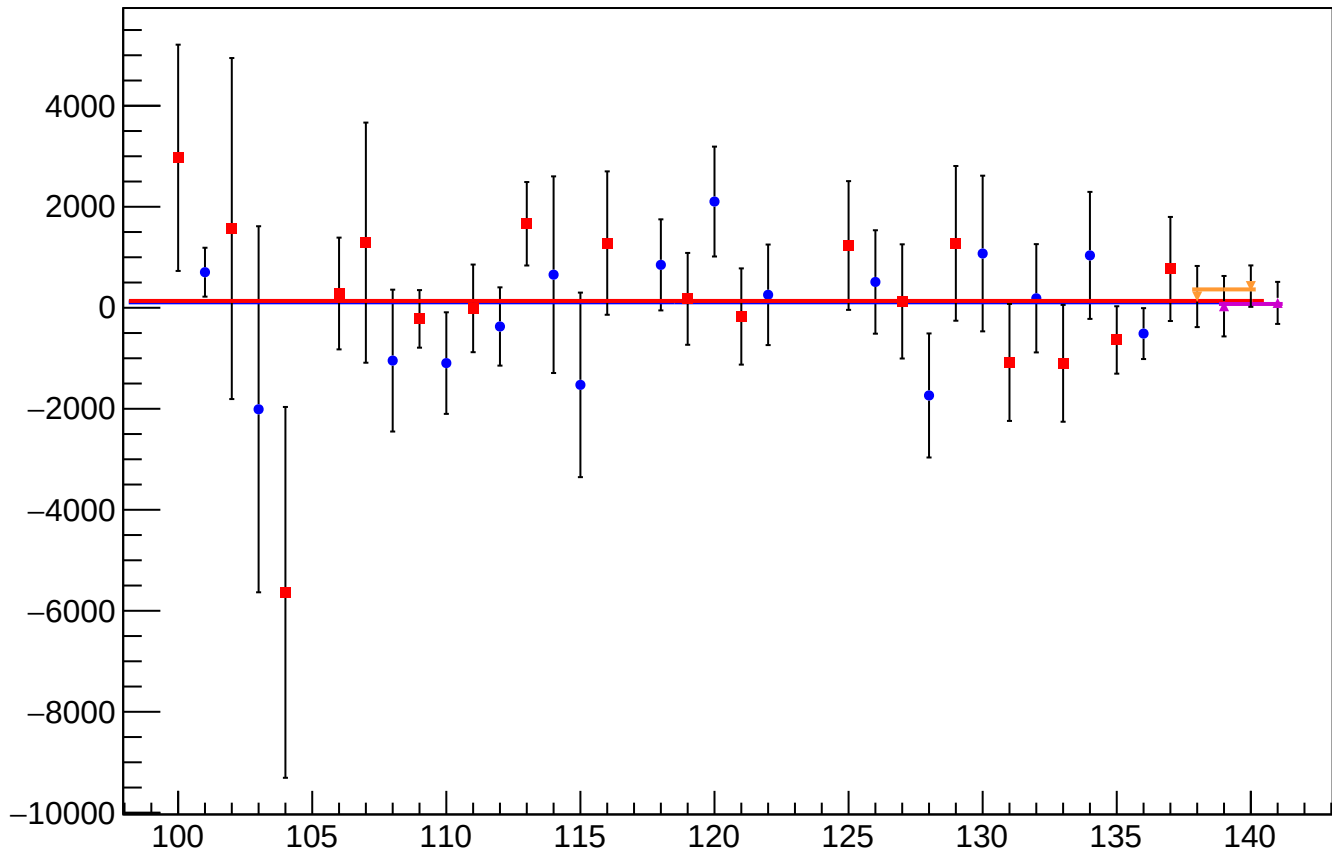
Left In: 1729.943+/-0.930 χ^2/NDF :3.0/1

+ sign 1852.465+/-0.449 χ^2/NDF : 710932.8/17

All: 1863.705+/-0.318 χ^2/NDF : 1096512.7/37

- sign 1874.960+/-0.449 χ^2/NDF : 384325.8/19

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 108.128 $\pm$ 231.710 χ^2 /NDF: 14.2/15

Left Out: 363.800 $\pm$ 339.608 χ^2 /NDF:0.1/1

Right Out: 135.356 $\pm$ 245.932 χ^2 /NDF: 14.4/17

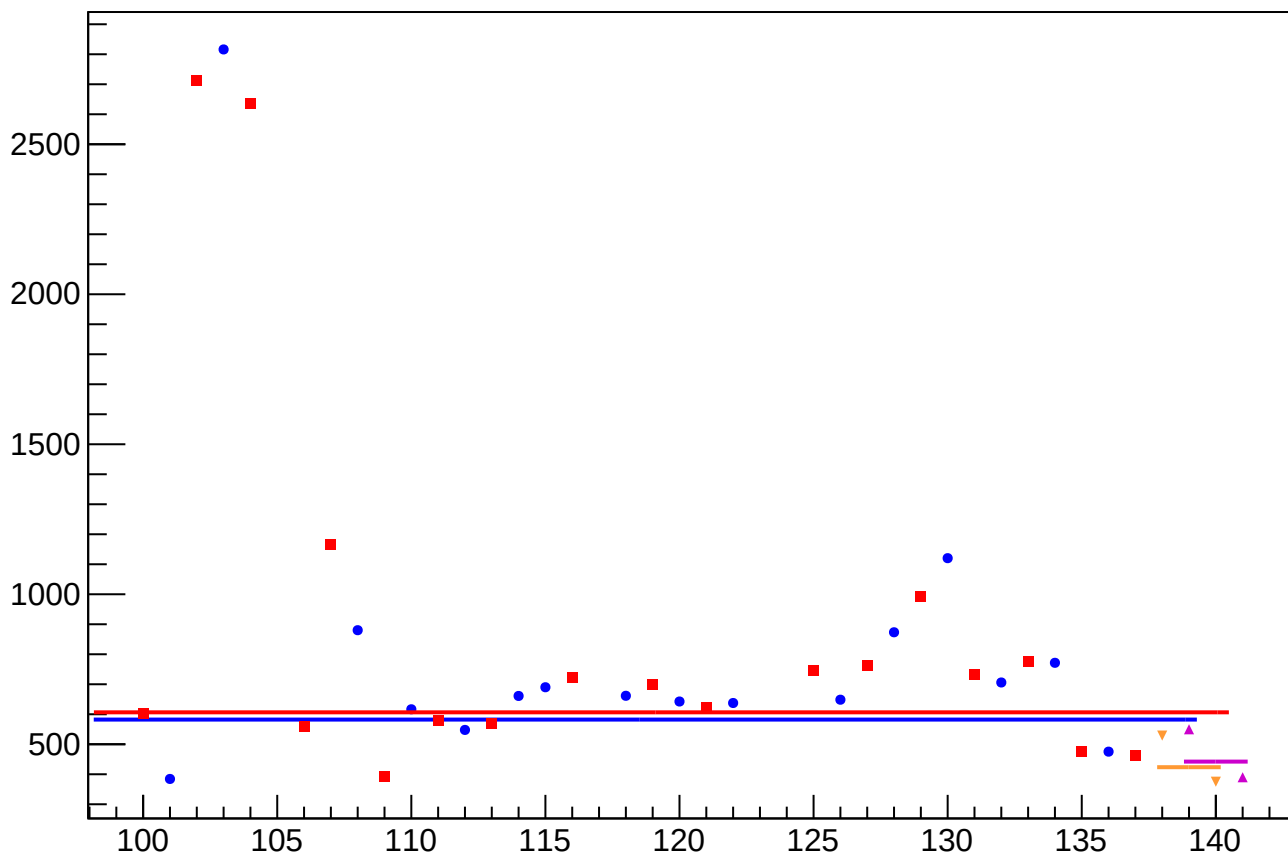
Left In: 75.333 $\pm$ 341.771 χ^2 /NDF:0.0/1

+ sign 189.341 $\pm$ 191.403 χ^2 /NDF: 14.6/17

All: 153.674 $\pm$ 138.157 χ^2 /NDF: 29.1/37

- sign 114.879 $\pm$ 199.622 χ^2 /NDF: 14.4/19

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

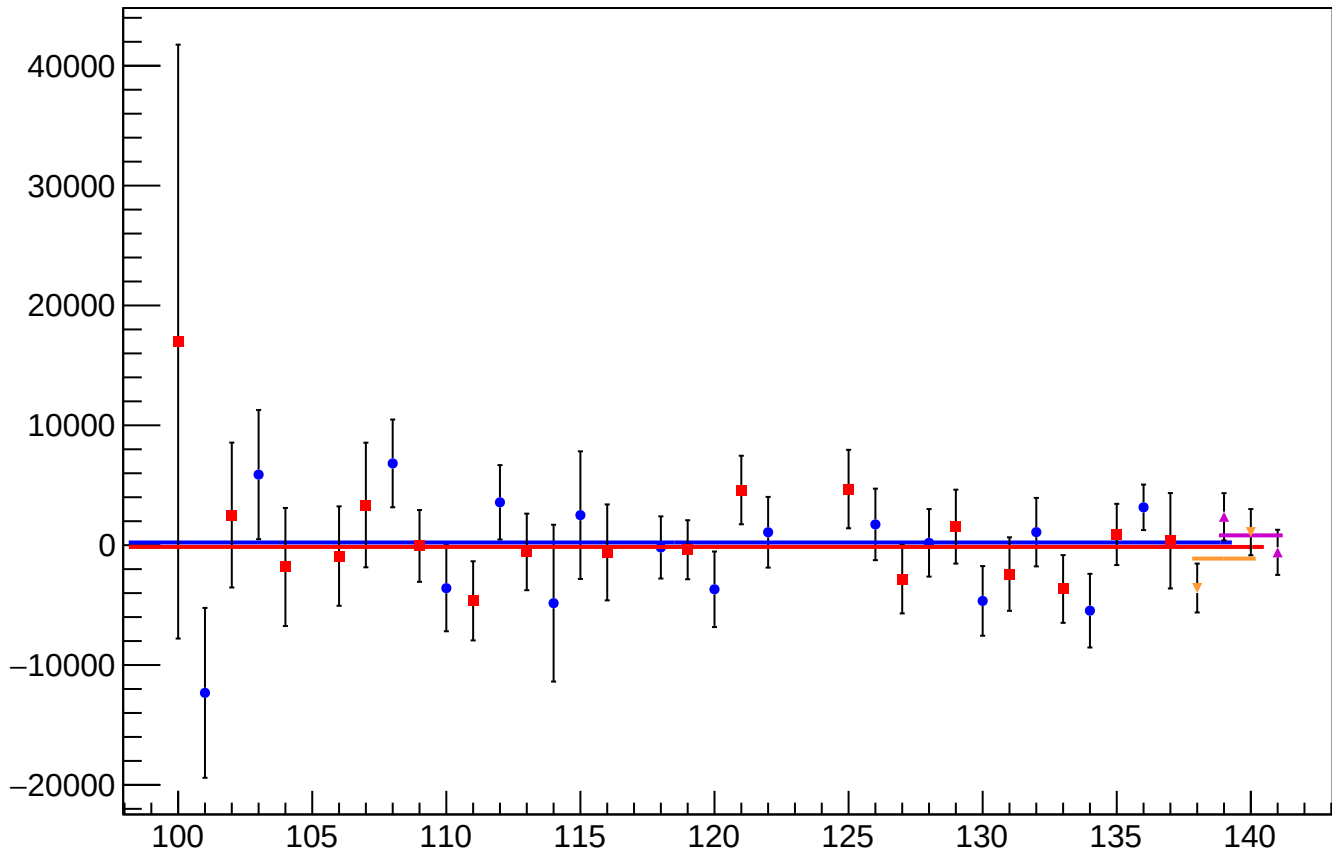
Left In: 442.181+/-0.242 χ^2/NDF : 96215.9/1

+ sign 531.850+/-0.135 χ^2/NDF : 2140807.9/17

All: 540.739+/-0.098 χ^2/NDF : 4748842.3/37

- sign 550.408+/-0.141 χ^2/NDF : 2599028.7/19

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF : 21.2/15

Left Out: -1117.465+/-1401.389 χ^2/NDF : 2.8/1

Right Out: -147.974+/-794.180 χ^2/NDF : 11.6/17

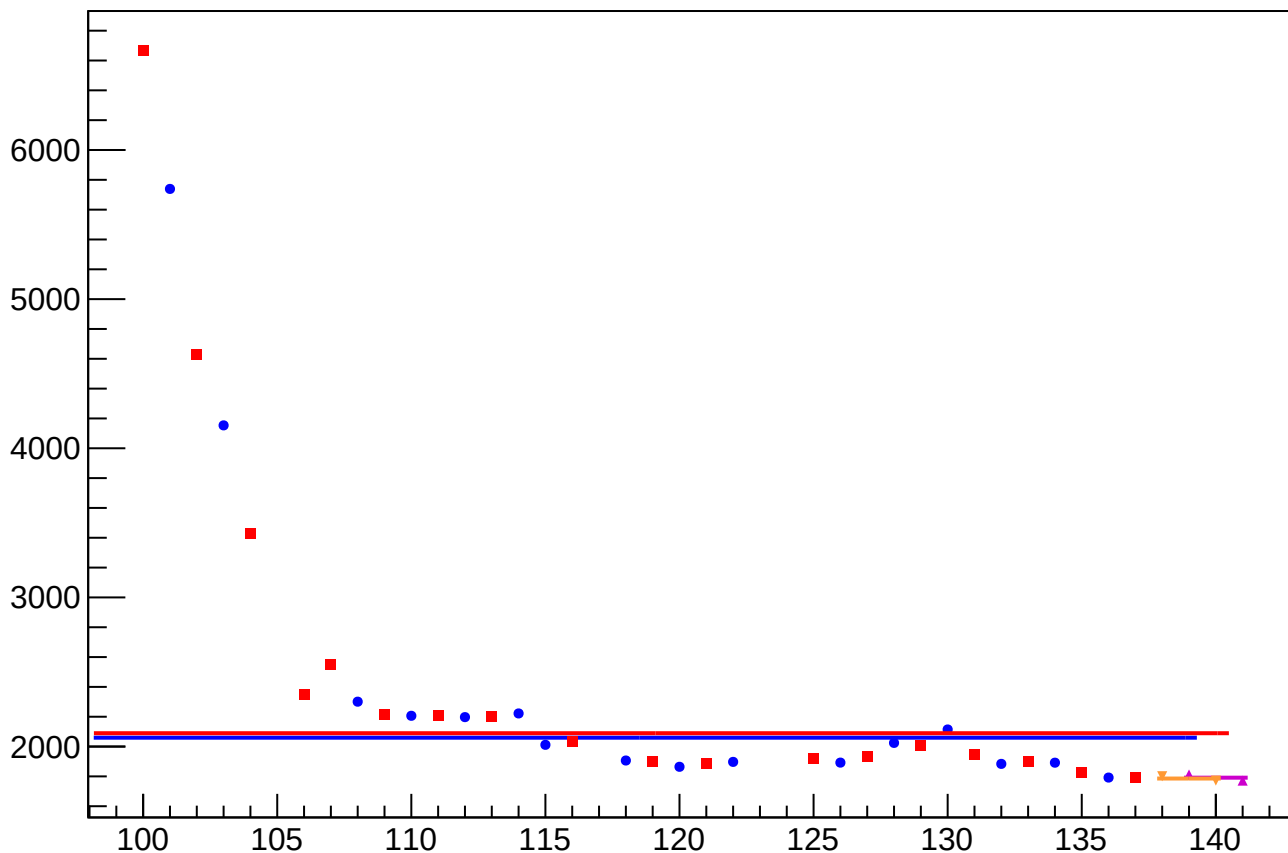
Left In: 818.389+/-1361.333 χ^2/NDF : 1.2/1

+ sign -100.145+/-689.292 χ^2/NDF : 24.6/17

All: -0.895+/-486.228 χ^2/NDF : 37.8/37

- sign 97.404+/-685.981 χ^2/NDF : 13.1/19

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

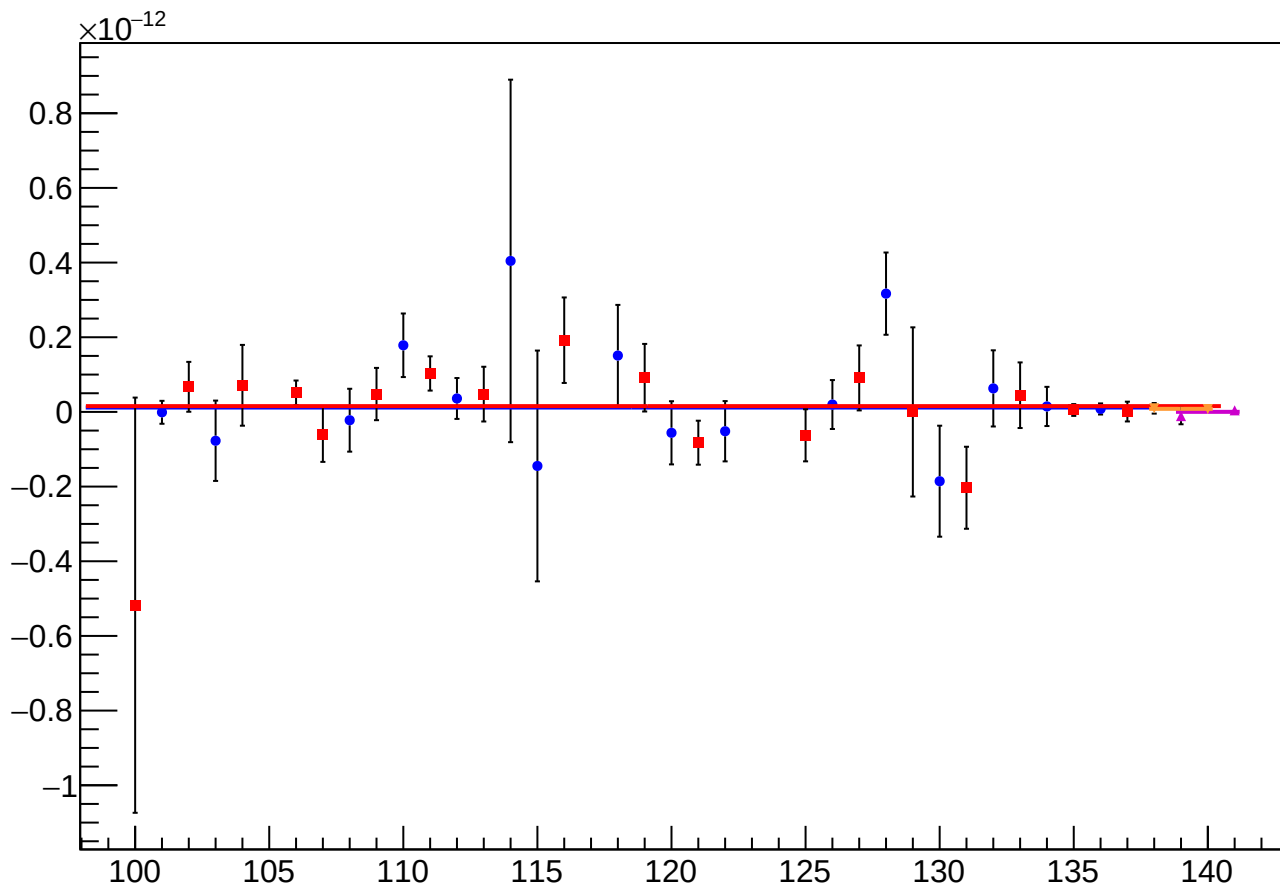
Left In: 1791.329 $\pm$ 0.963 χ^2 /NDF:453.1/1

+ sign 1993.235 $\pm$ 0.487 χ^2 /NDF: 997996.8/17

All: 2003.553 $\pm$ 0.344 χ^2 /NDF: 1752380.9/37

- sign 2013.771 $\pm$ 0.485 χ^2 /NDF: 753492.1/19

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

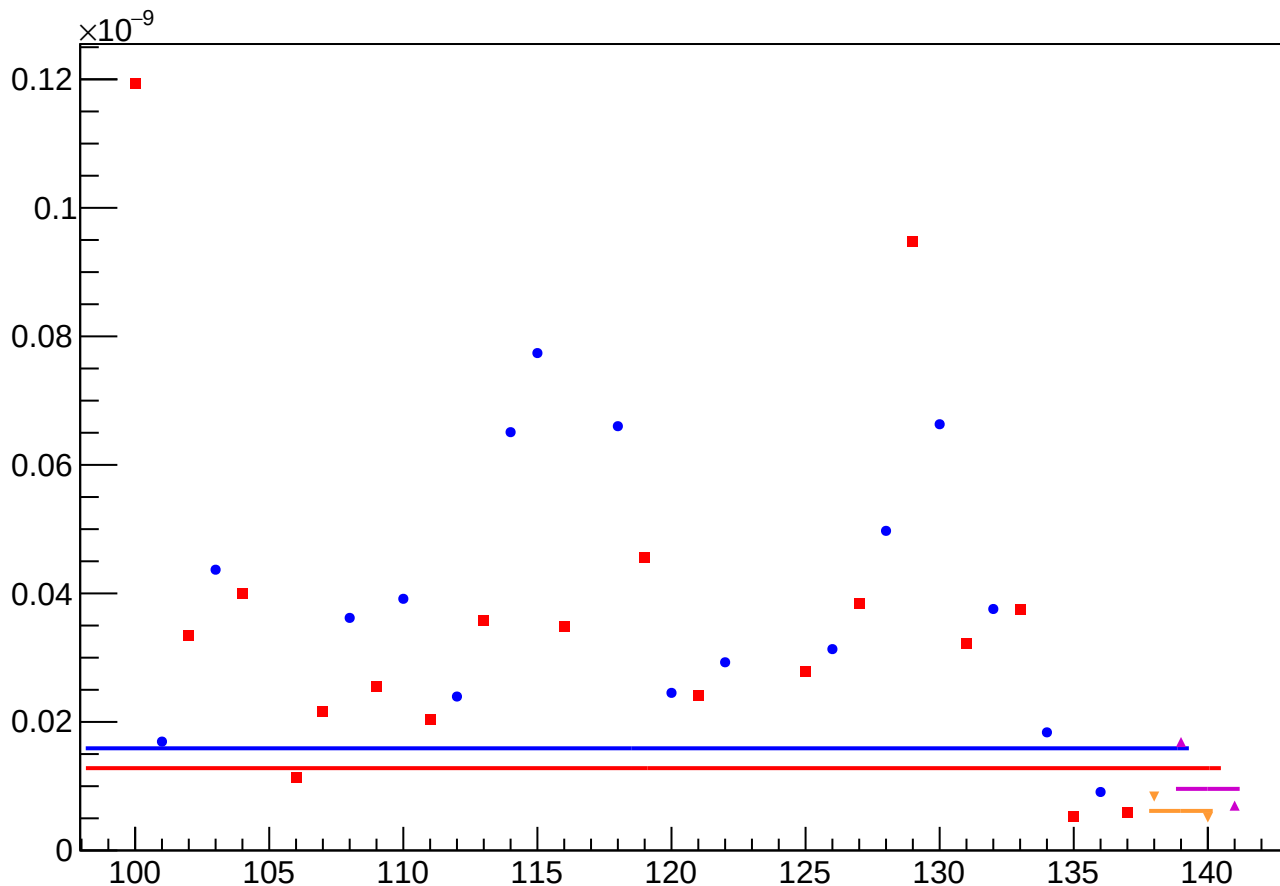
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/17

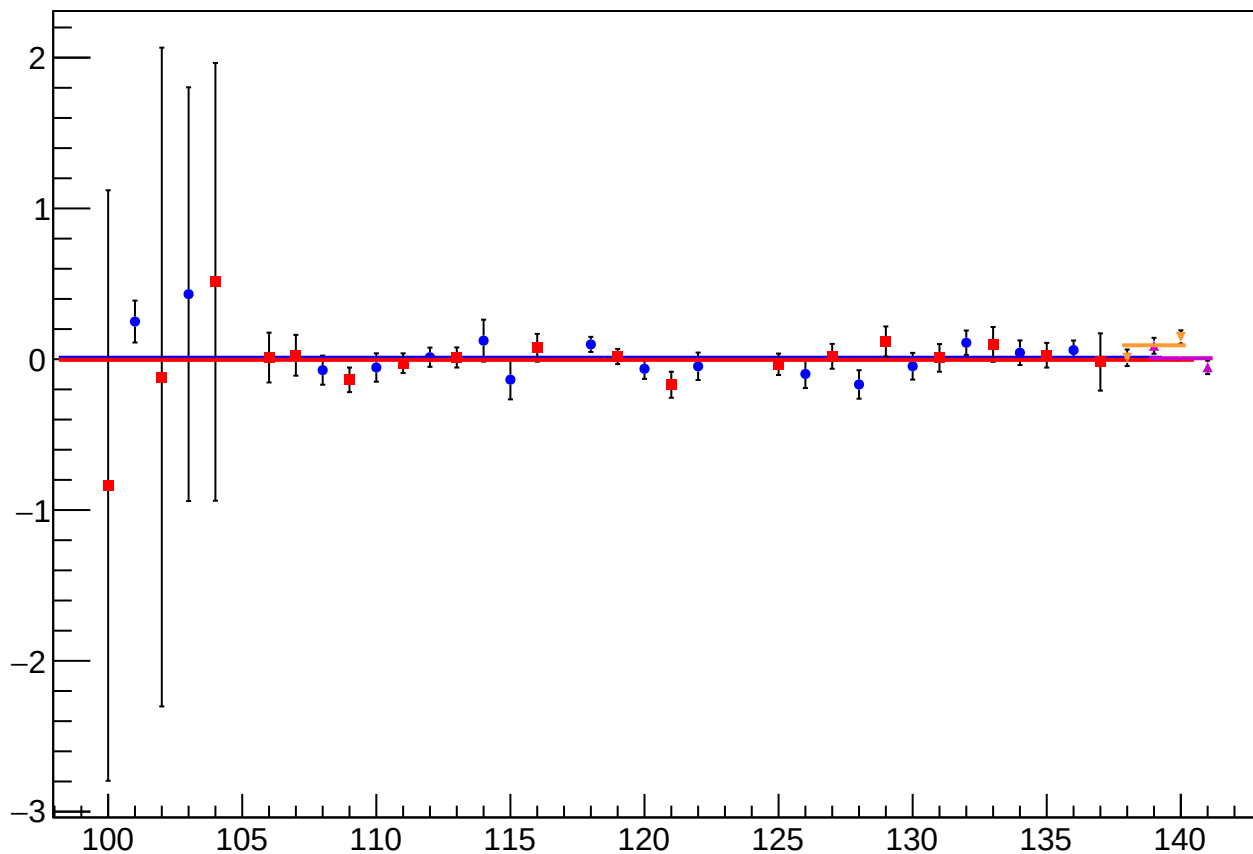
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.2/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/19

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



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

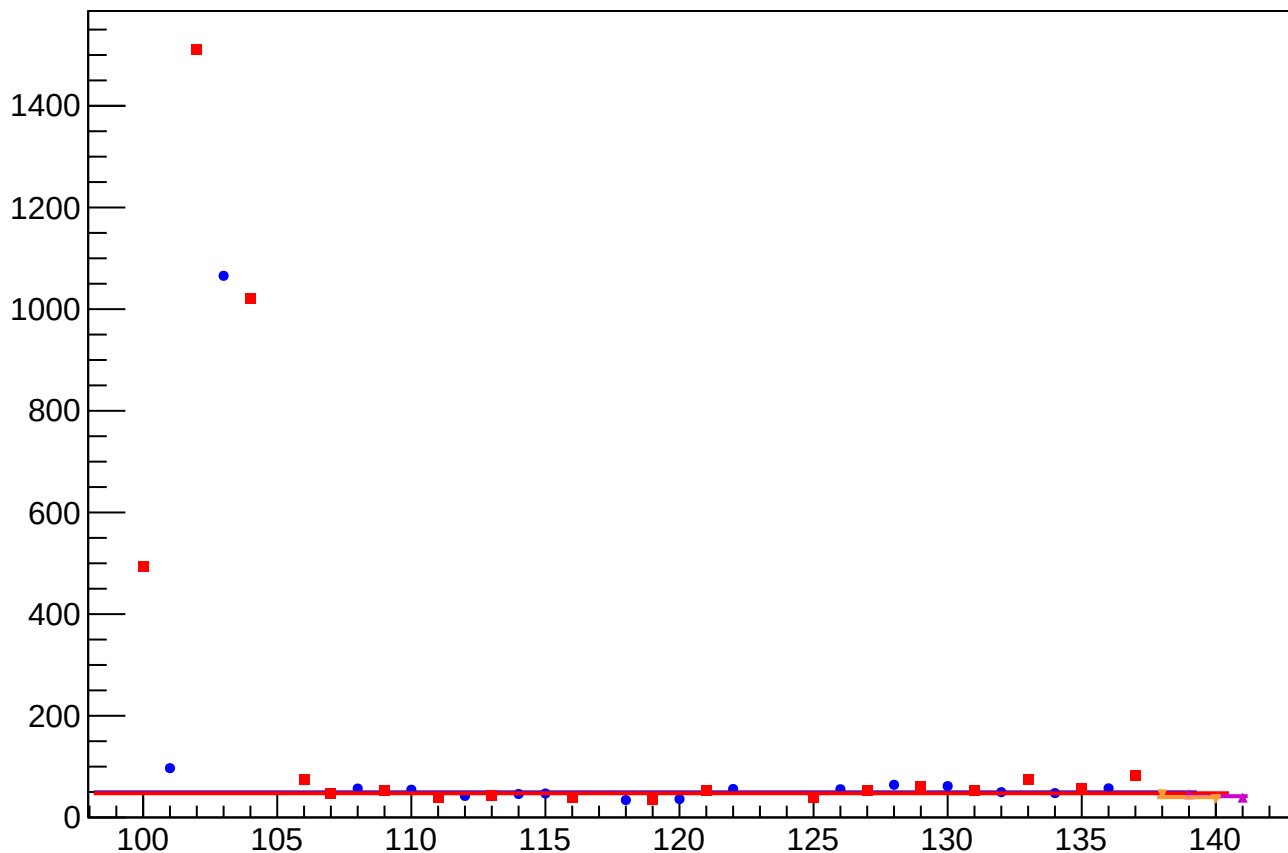
Left In: 0.007 $\pm$ 0.034 χ^2 /NDF:4.2/1

+ sign 0.032 $\pm$ 0.018 χ^2 /NDF: 26.4/17

All: 0.016 $\pm$ 0.013 χ^2 /NDF: 42.8/37

- sign -0.001 $\pm$ 0.018 χ^2 /NDF: 14.8/19

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

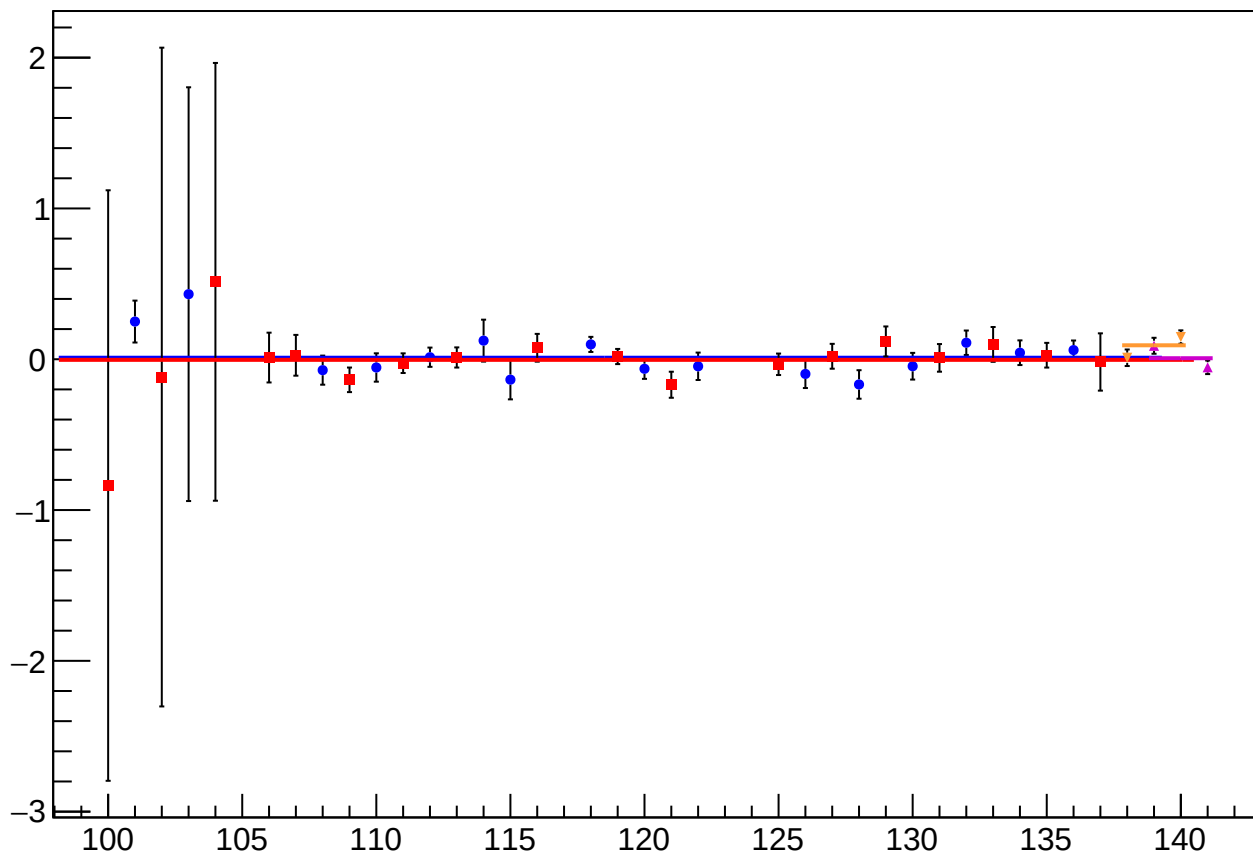
Left In: 41.815+/-0.024 χ^2/NDF : 17743.2/1

+ sign 46.798+/-0.013 χ^2/NDF : 1917970.9/17

All: 46.391+/-0.009 χ^2/NDF : 4396817.4/37

- sign 45.971+/-0.013 χ^2/NDF : 2476752.7/19

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 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

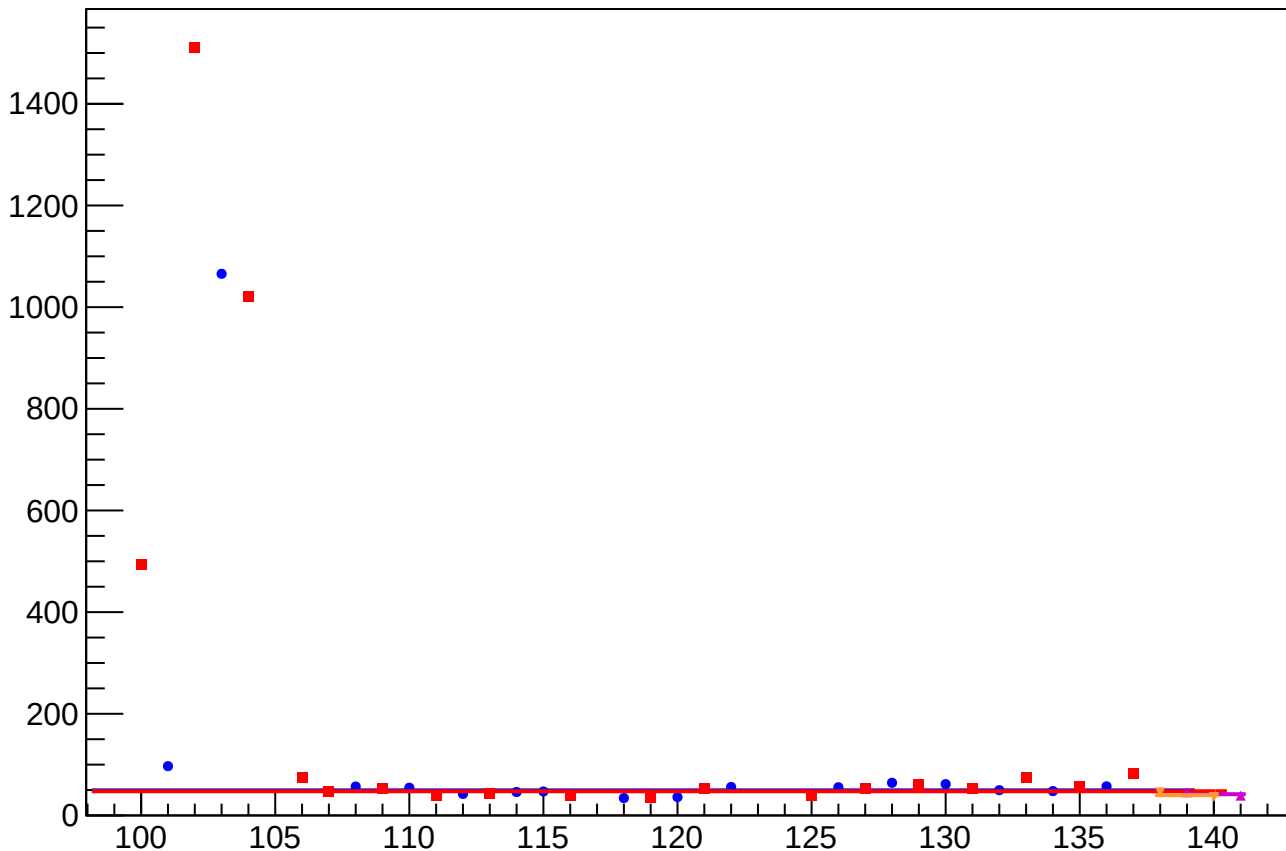
Left In: 0.007 $\pm$ 0.034 χ^2 /NDF: 4.2/1

+ sign 0.032 $\pm$ 0.018 χ^2 /NDF: 26.4/17

All: 0.016 $\pm$ 0.013 χ^2 /NDF: 42.8/37

- sign -0.001 $\pm$ 0.018 χ^2 /NDF: 14.8/19

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

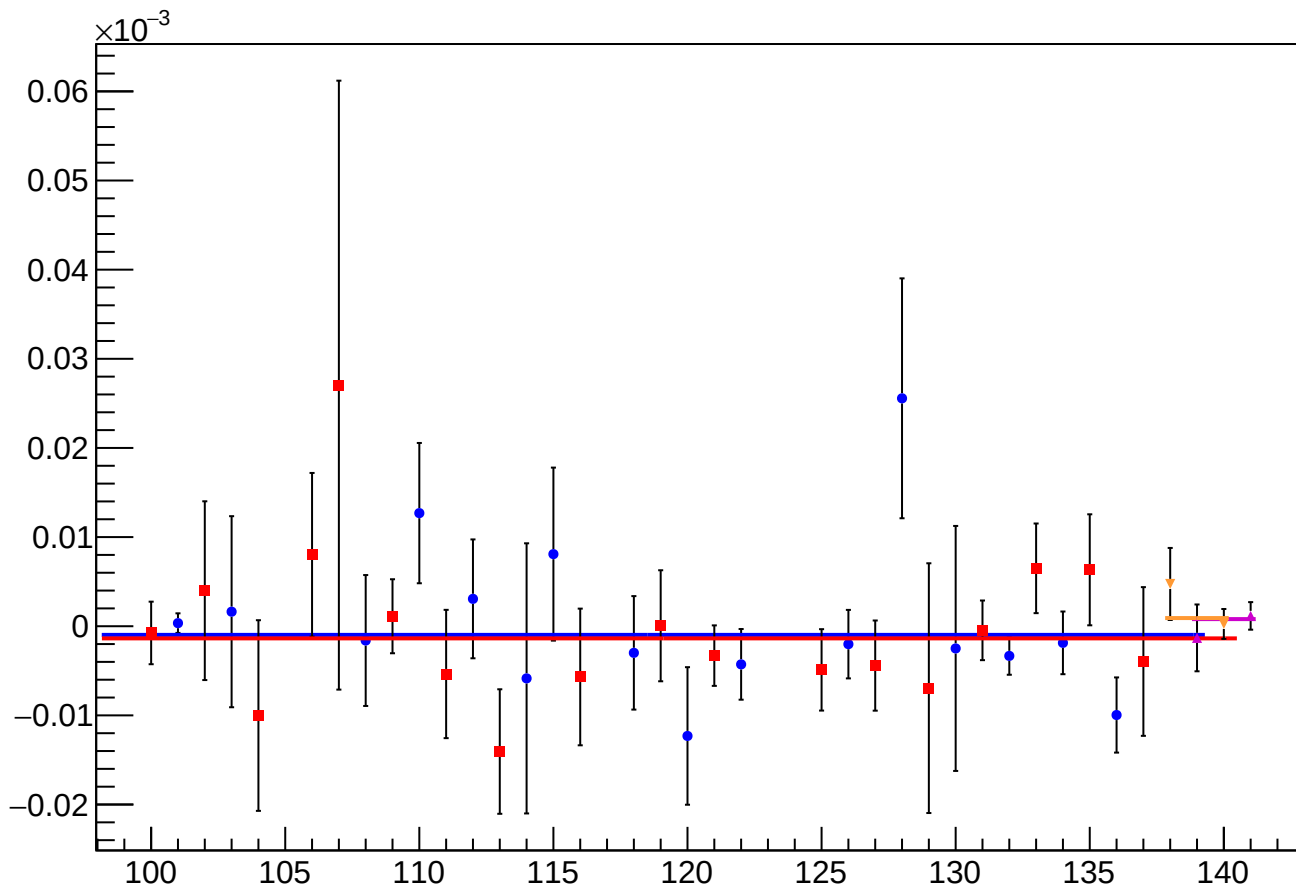
Left In: 41.815+/-0.024 χ^2/NDF : 17743.2/1

+ sign 46.798+/-0.013 χ^2/NDF : 1917970.9/17

All: 46.391+/-0.009 χ^2/NDF : 4396817.4/37

- sign 45.971+/-0.013 χ^2/NDF : 2476752.7/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 18.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.0/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.6/17

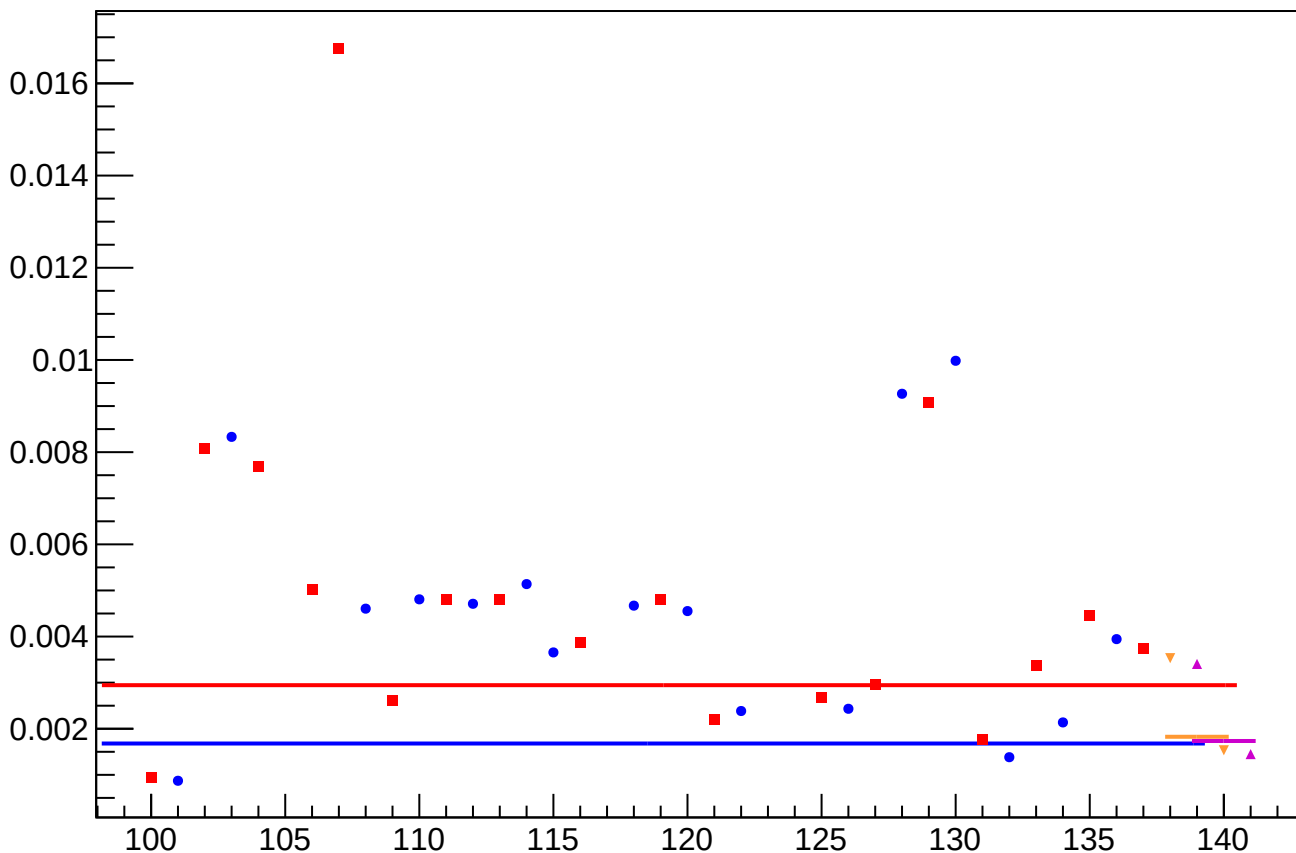
Left In: 0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.8/17

All: -0.000 ± 0.000 χ^2/NDF : 35.1/37

- sign -0.000 ± 0.000 χ^2/NDF : 14.3/19

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

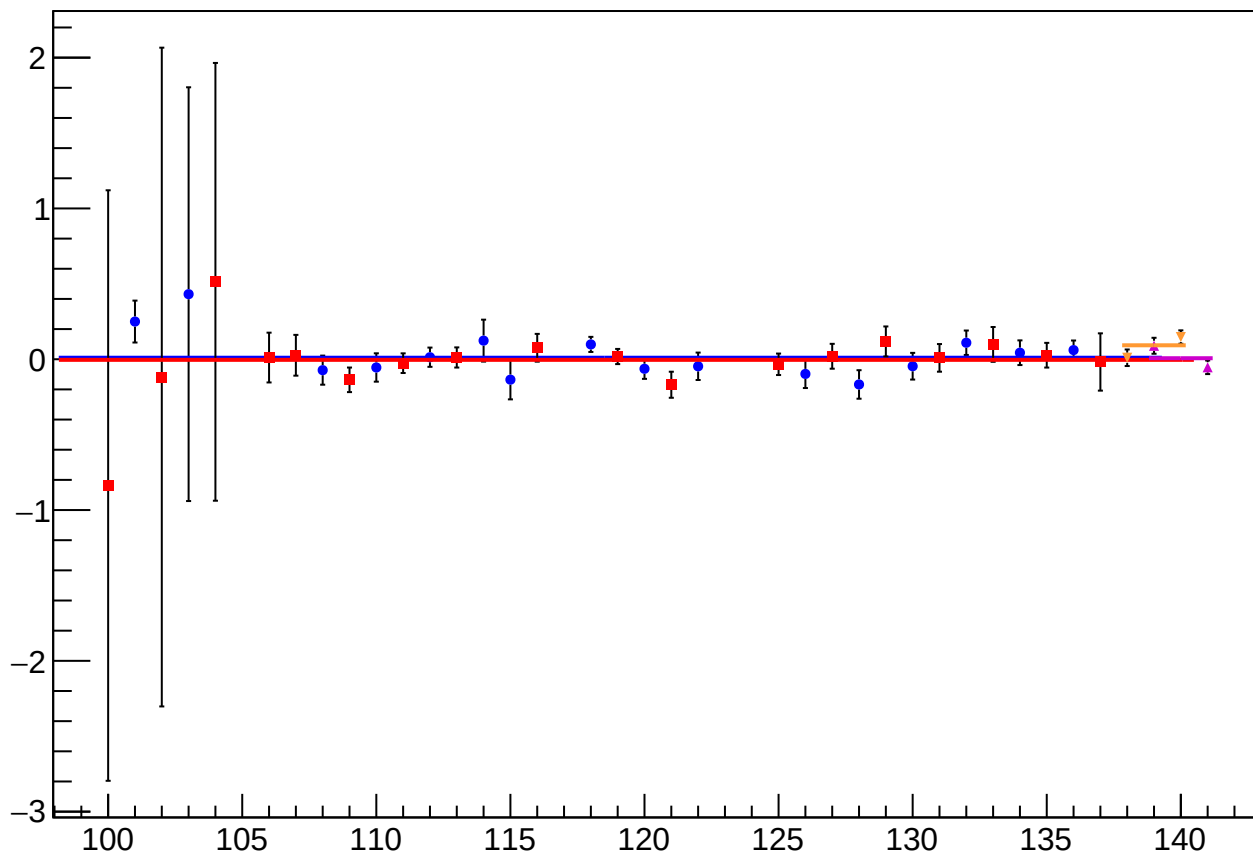
Left In: 0.002+/-0.000 χ^2/NDF : 465684.6/1

+ sign 0.002+/-0.000 χ^2/NDF : 6391309.9/17

All: 0.002+/-0.000 χ^2/NDF : 11683143.9/37

- sign 0.002+/-0.000 χ^2/NDF : 4636914.6/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.021 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 0.093 ± 0.035 $\chi^2/\text{NDF}: 3.8/1$

Right Out: -0.004 ± 0.021 $\chi^2/\text{NDF}: 10.5/17$

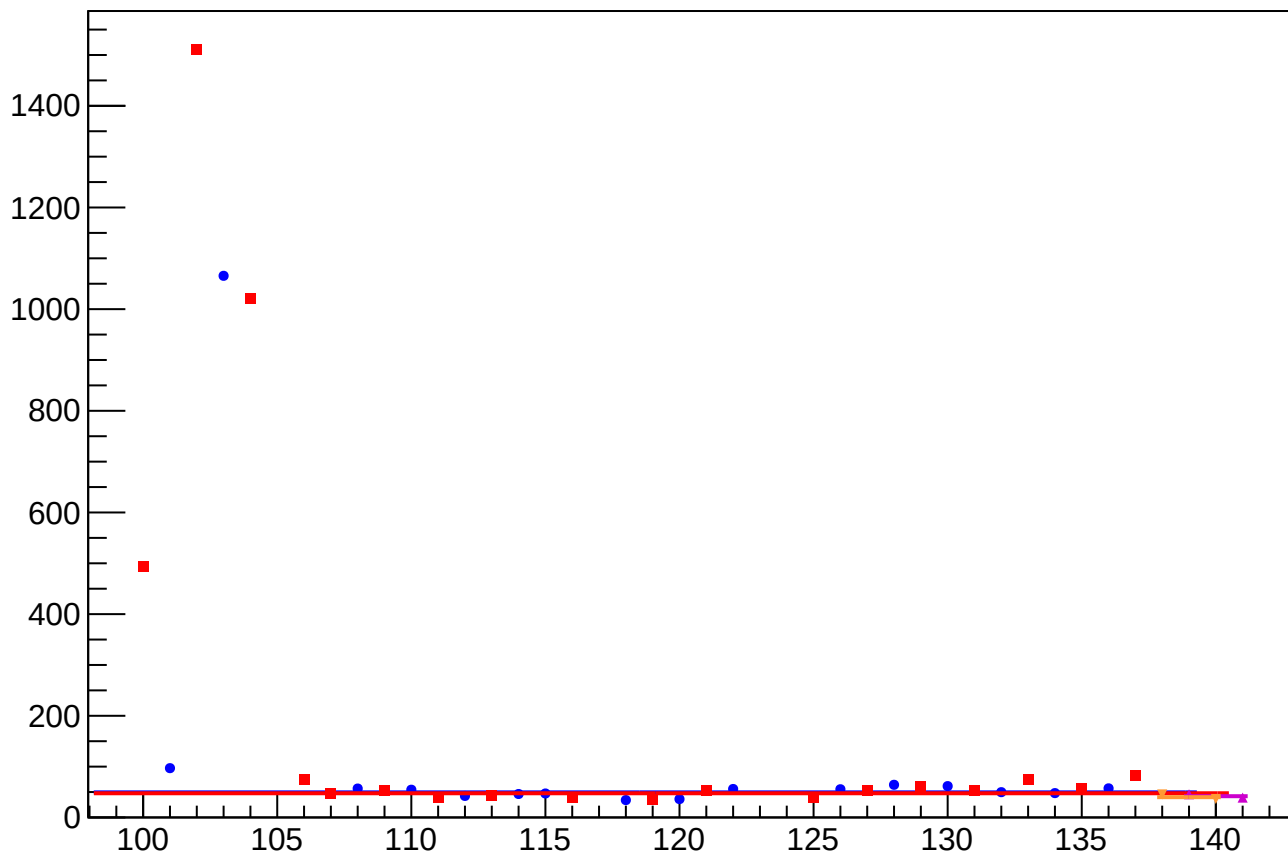
Left In: 0.007 ± 0.034 $\chi^2/\text{NDF}: 4.2/1$

+ sign 0.032 ± 0.018 $\chi^2/\text{NDF}: 26.4/17$

All: 0.016 ± 0.013 $\chi^2/\text{NDF}: 42.8/37$

- sign -0.001 ± 0.018 $\chi^2/\text{NDF}: 14.8/19$

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

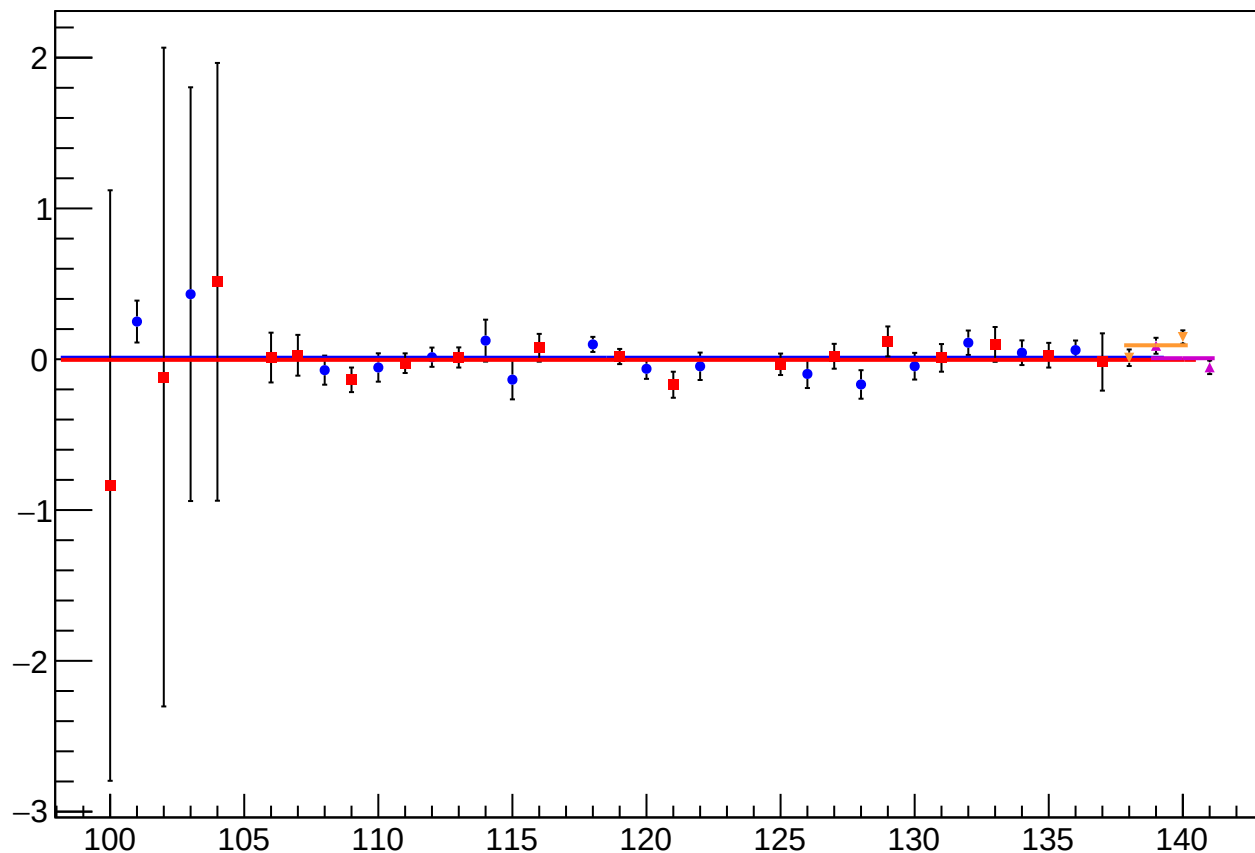
Left In: 41.814+/-0.024 χ^2/NDF : 17742.4/1

+ sign 46.798+/-0.013 χ^2/NDF : 1917908.1/17

All: 46.391+/-0.009 χ^2/NDF : 4396789.5/37

- sign 45.970+/-0.013 χ^2/NDF : 2476781.8/19

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

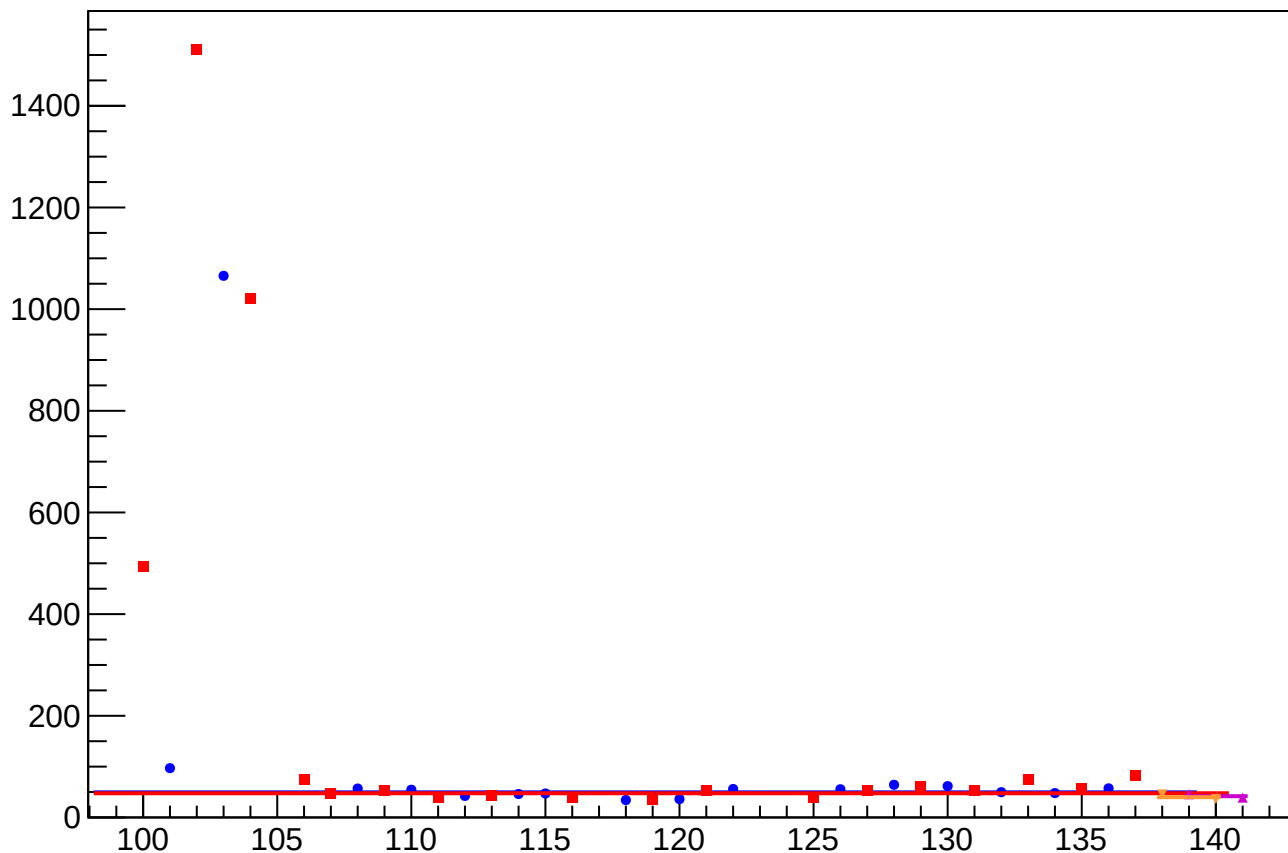
Left In: 0.007 $\pm$ 0.034 χ^2 /NDF:4.2/1

+ sign 0.032 $\pm$ 0.018 χ^2 /NDF: 26.4/17

All: 0.016 $\pm$ 0.013 χ^2 /NDF: 42.8/37

- sign -0.001 $\pm$ 0.018 χ^2 /NDF: 14.8/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF : 1776926.6/15

Left Out: 39.896+/-0.024 χ^2/NDF : 32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

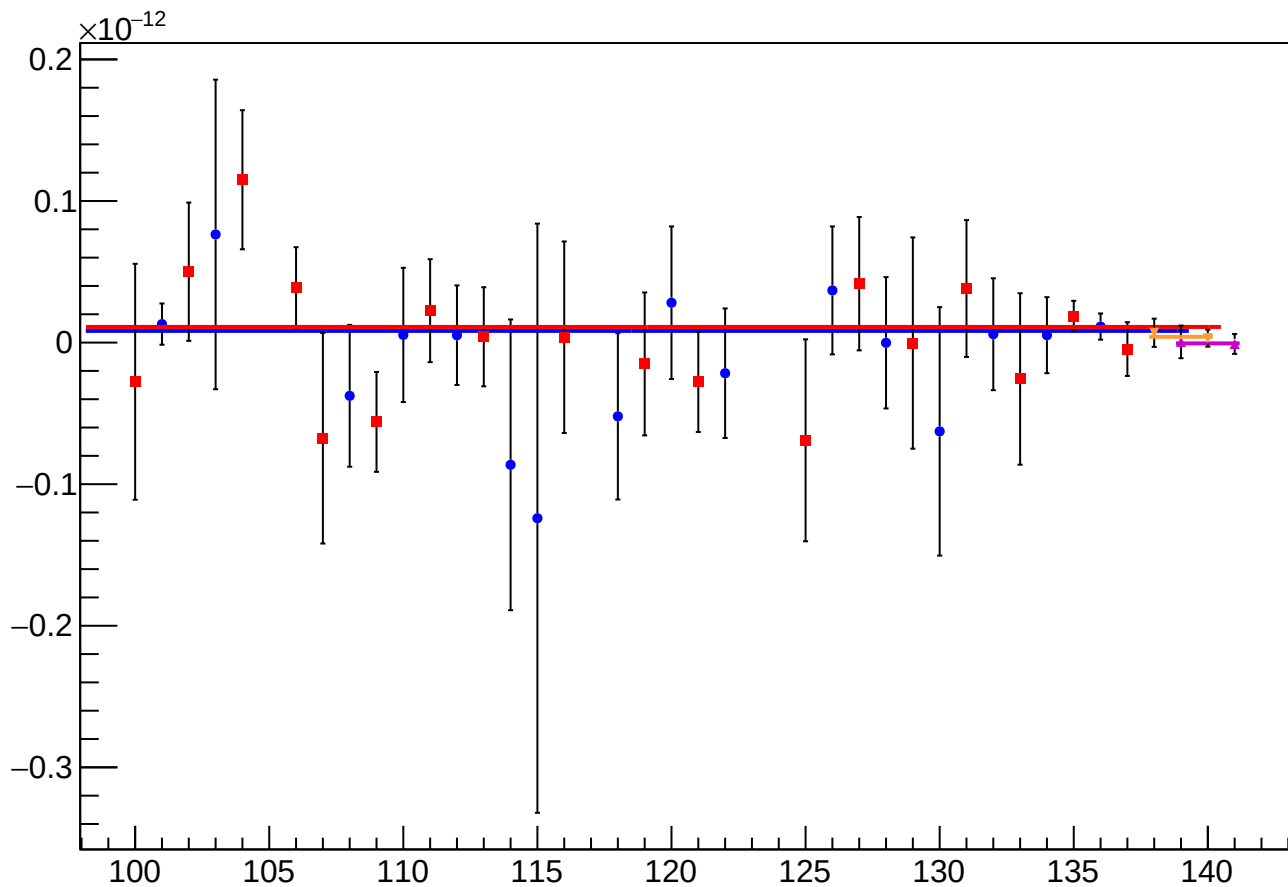
Left In: 41.814+/-0.024 χ^2/NDF : 17742.4/1

+ sign 46.798+/-0.013 χ^2/NDF : 1917908.1/17

All: 46.391+/-0.009 χ^2/NDF : 4396789.5/37

- sign 45.970+/-0.013 χ^2/NDF : 2476781.8/19

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

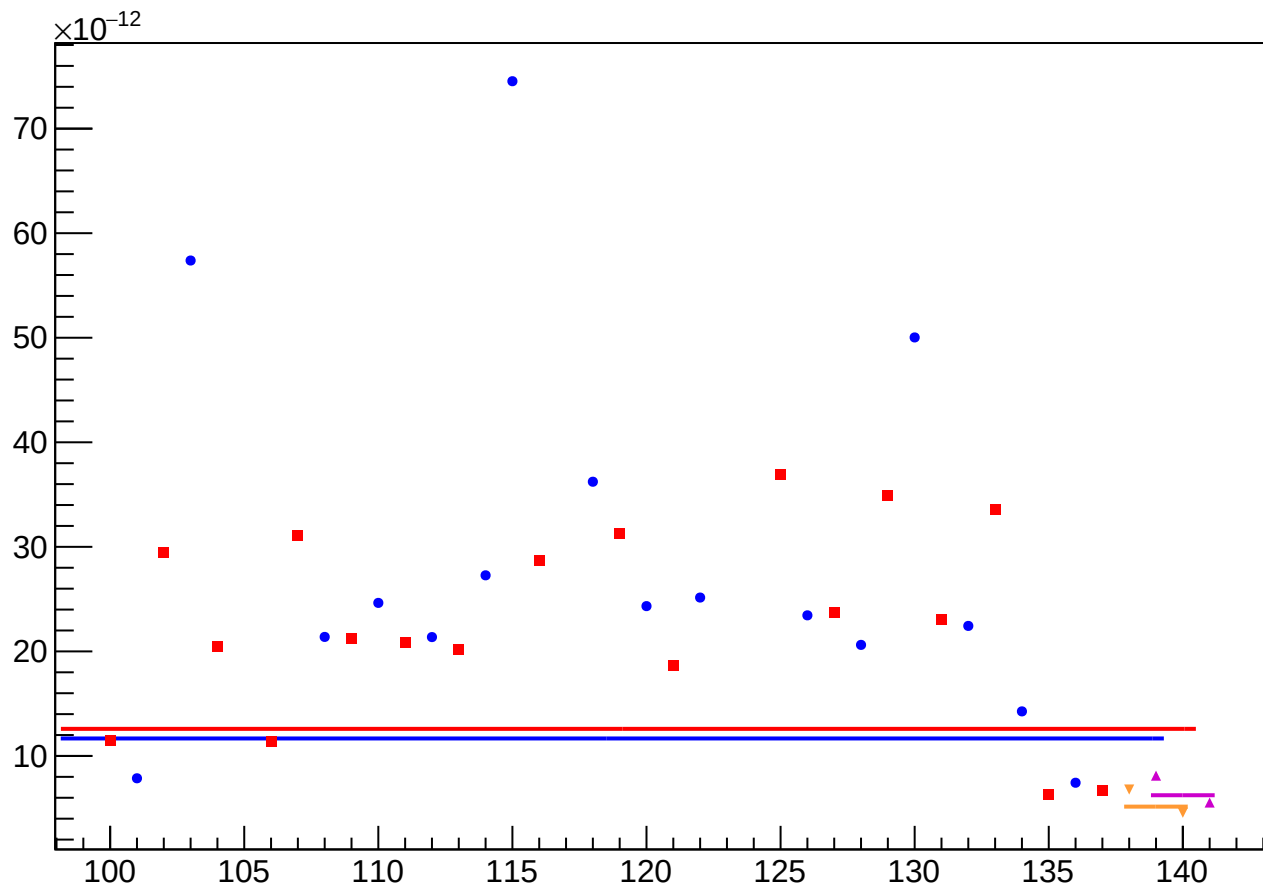
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/19

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 73149.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2923298.3/17

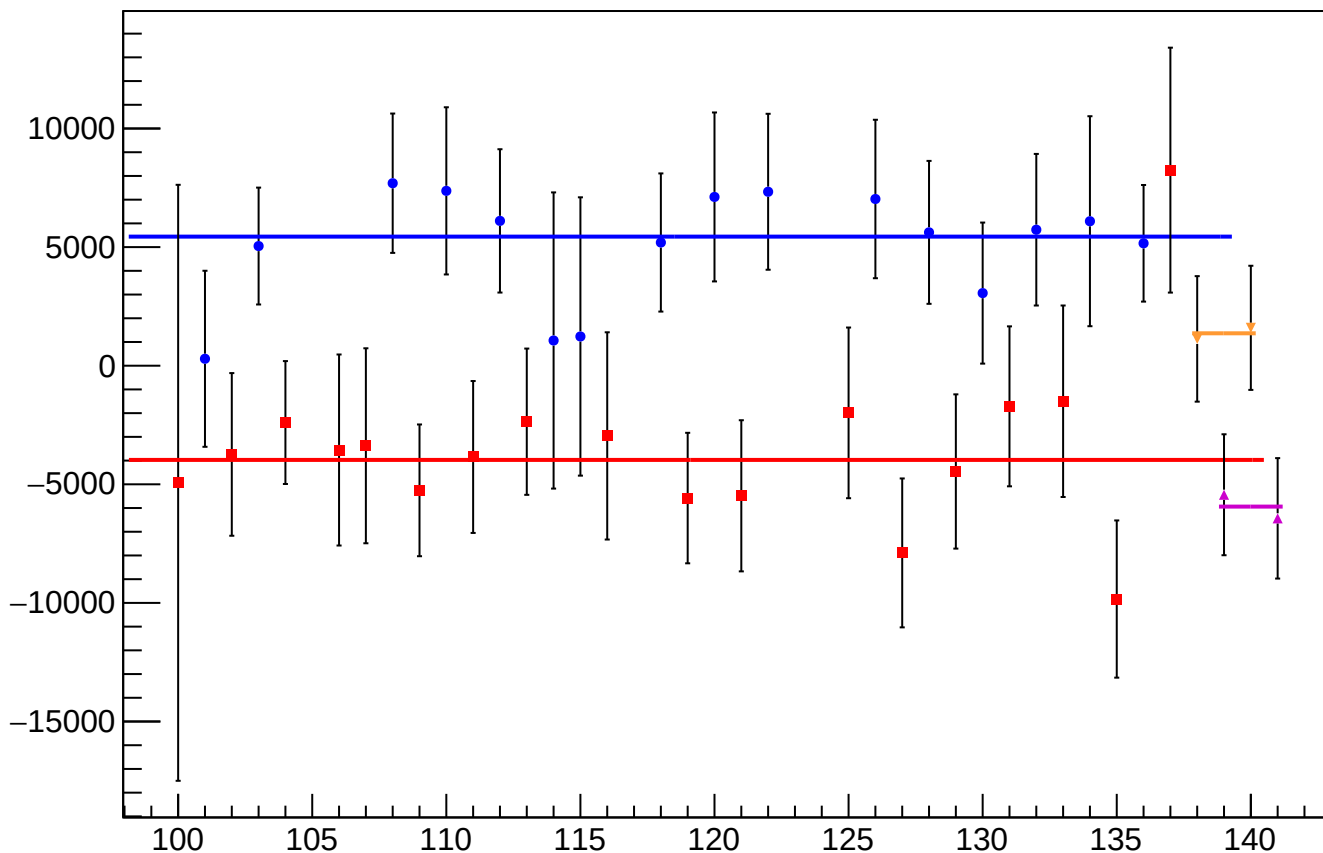
Left In: 0.000+/-0.000 χ^2/NDF : 72456.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 4181169.6/17

All: 0.000+/-0.000 χ^2/NDF : 8174336.9/37

- sign 0.000+/-0.000 χ^2/NDF : 3908688.8/19

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF : 5.4/15

Left Out: 1366.188+/-1860.557 χ^2/NDF : 0.0/1

Right Out: -3971.728+/-809.023 χ^2/NDF : 13.0/17

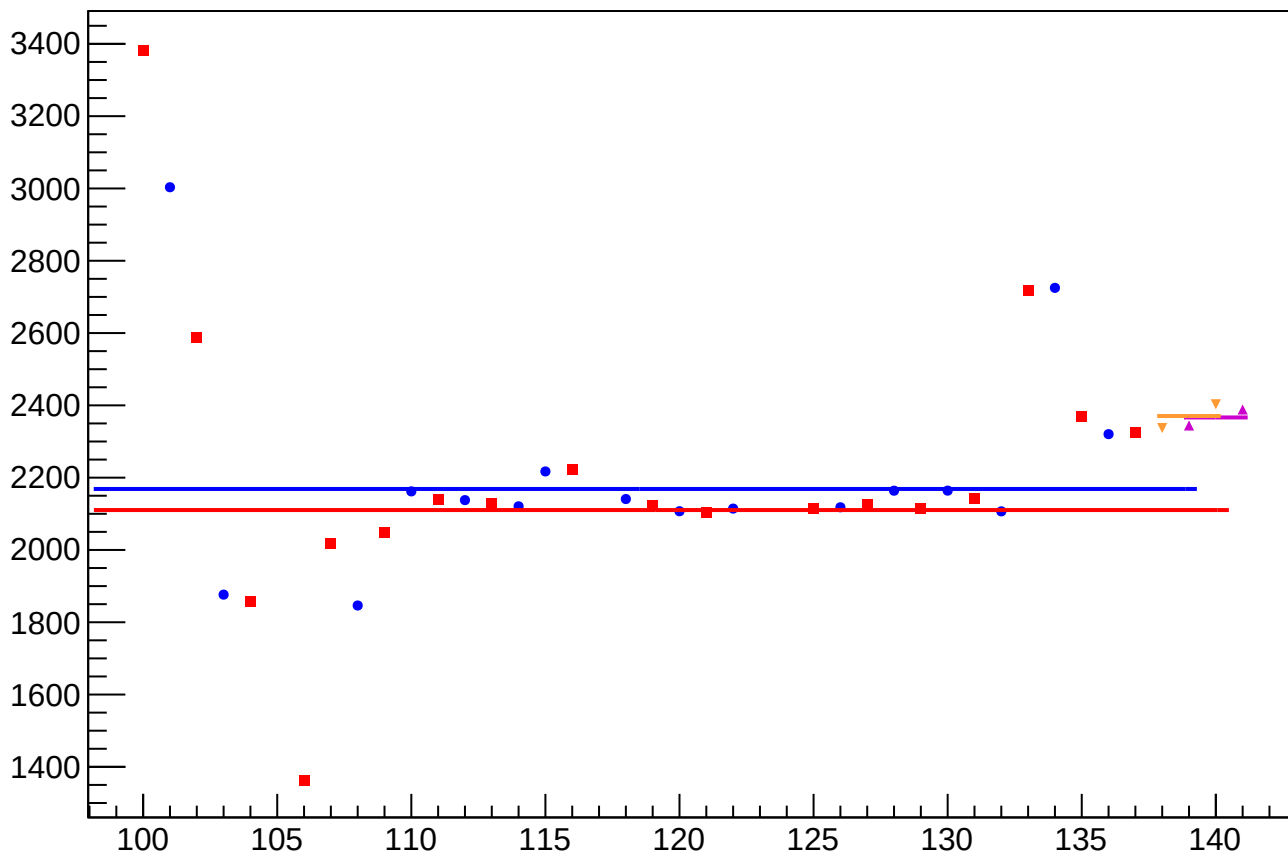
Left In: -5939.791+/-1799.067 χ^2/NDF : 0.1/1

+ sign 4789.451+/-744.623 χ^2/NDF : 9.4/17

All: 201.809+/-524.117 χ^2/NDF : 98.7/37

- sign -4302.769+/-737.851 χ^2/NDF : 14.0/19

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 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

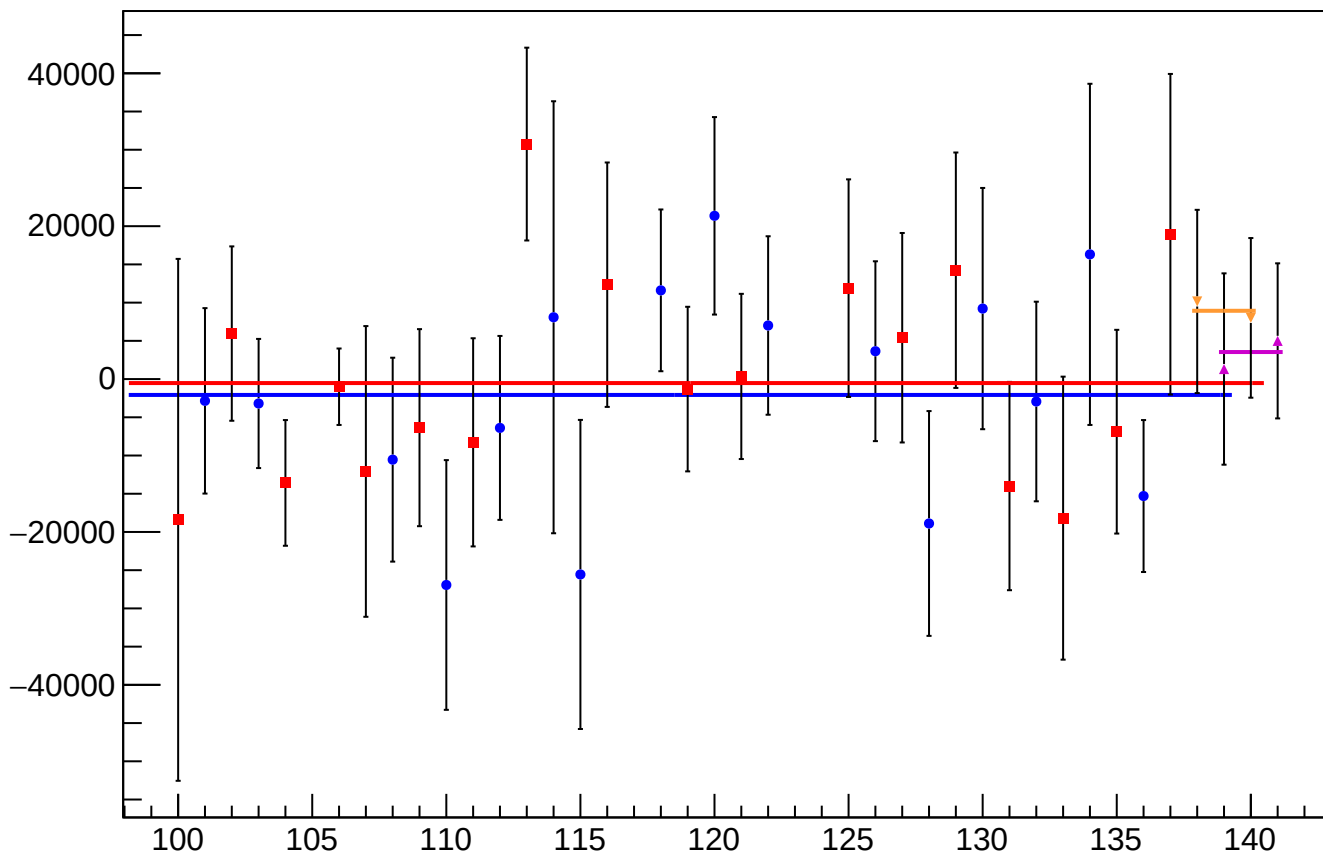
Left In: 2366.546 $\pm$ 1.272 χ^2 /NDF:301.7/1

+ sign 2201.037 $\pm$ 0.527 χ^2 /NDF: 216039.6/17

All: 2176.131 $\pm$ 0.368 χ^2 /NDF: 522043.2/37

- sign 2152.321 $\pm$ 0.515 χ^2 /NDF: 301627.1/19

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

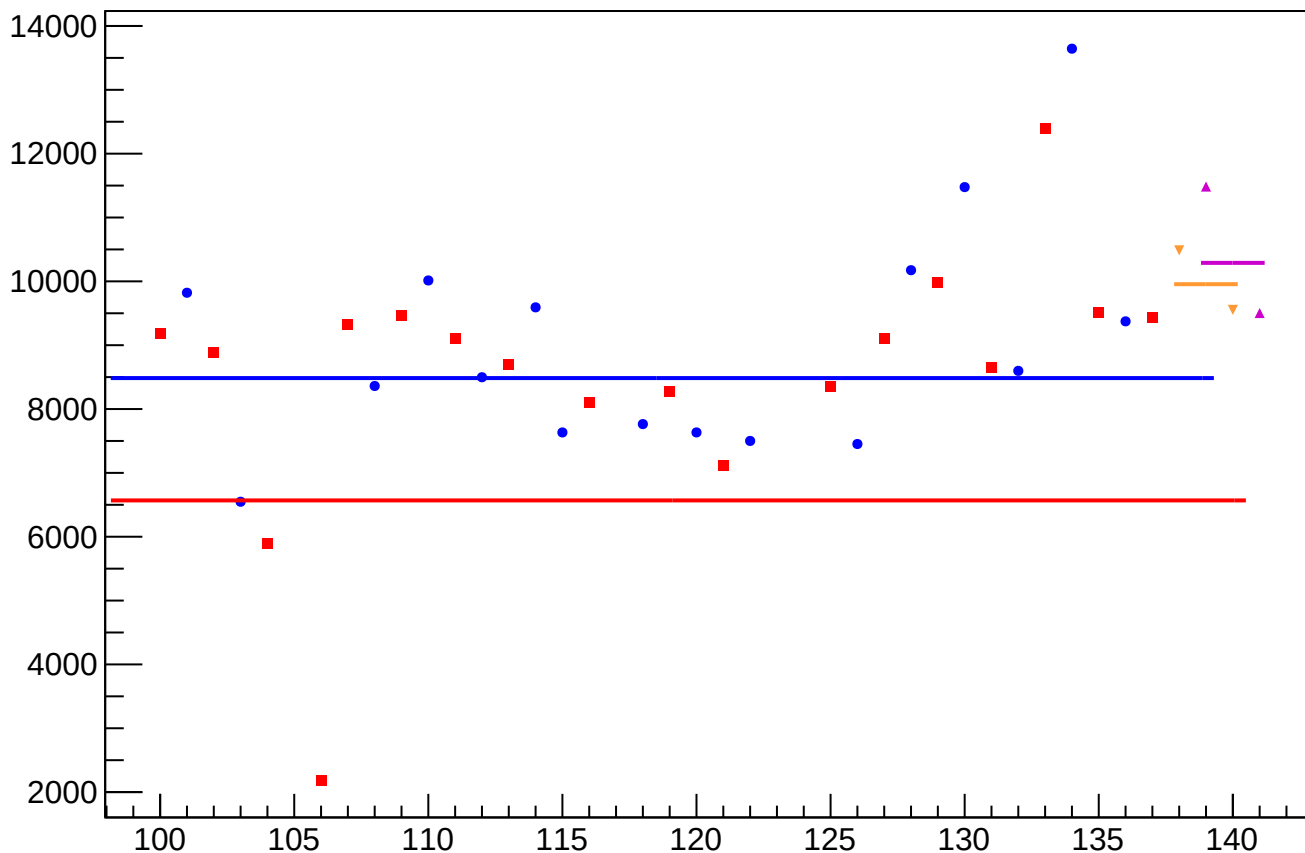
Left In: 3537.266+/-7880.111 χ^2/NDF : 0.1/1

+ sign -504.152+/-2974.115 χ^2/NDF : 16.1/17

All: -267.196+/-1943.446 χ^2/NDF : 32.1/37

- sign -90.614+/-2567.412 χ^2/NDF : 16.0/19

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000 $\pm$ 2.271 χ^2/NDF : 422706.1/15

Left Out: 9955.629 $\pm$ 5.567 χ^2/NDF : 6876.5/1

Right Out: 6568.711 $\pm$ 1.920 χ^2/NDF : 2568887.0/17

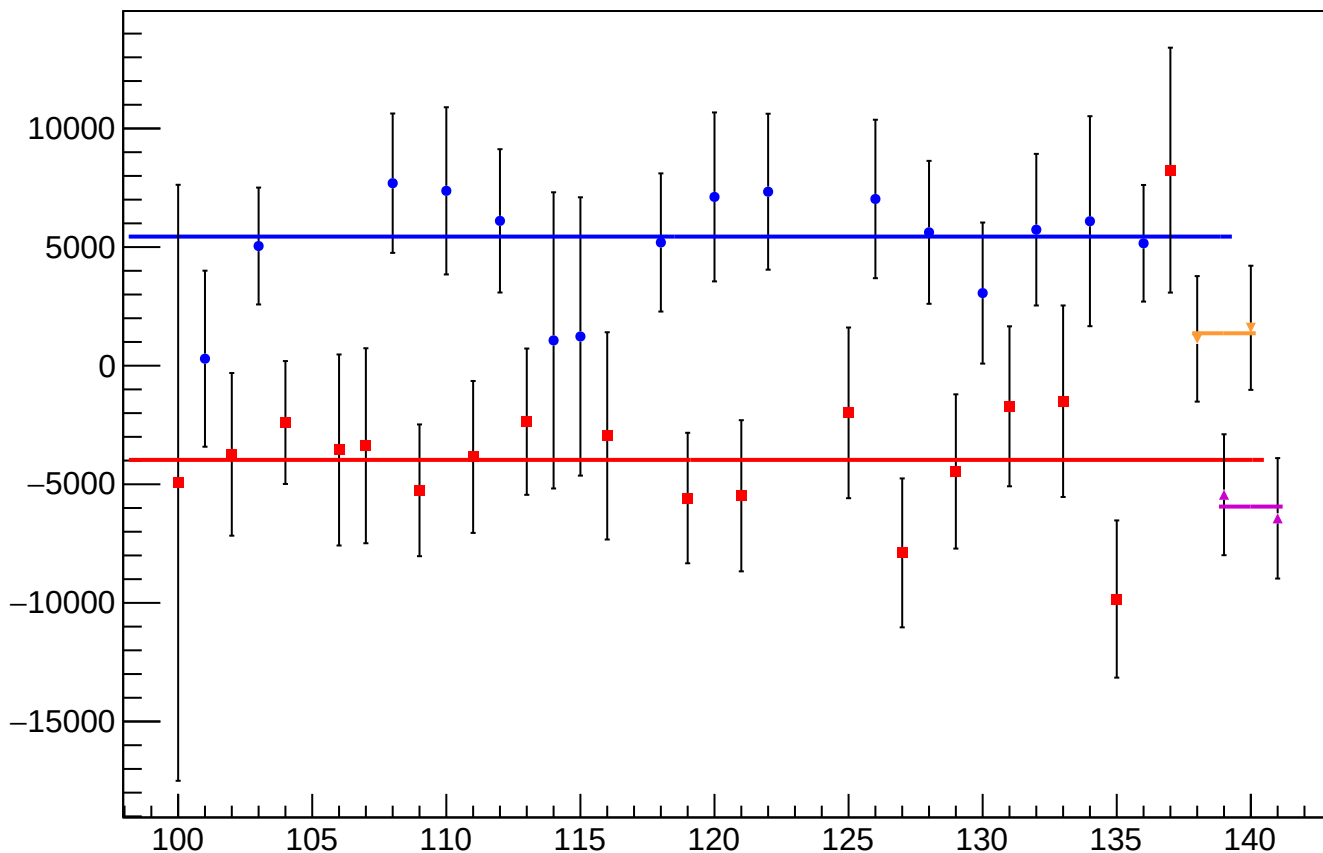
Left In: 10289.491 $\pm$ 5.572 χ^2/NDF : 30246.4/1

+ sign 8694.840 $\pm$ 2.103 χ^2/NDF : 489402.5/17

All: 7702.886 $\pm$ 1.374 χ^2/NDF : 3875377.7/37

- sign 6963.677 $\pm$ 1.815 χ^2/NDF : 2997696.5/19

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

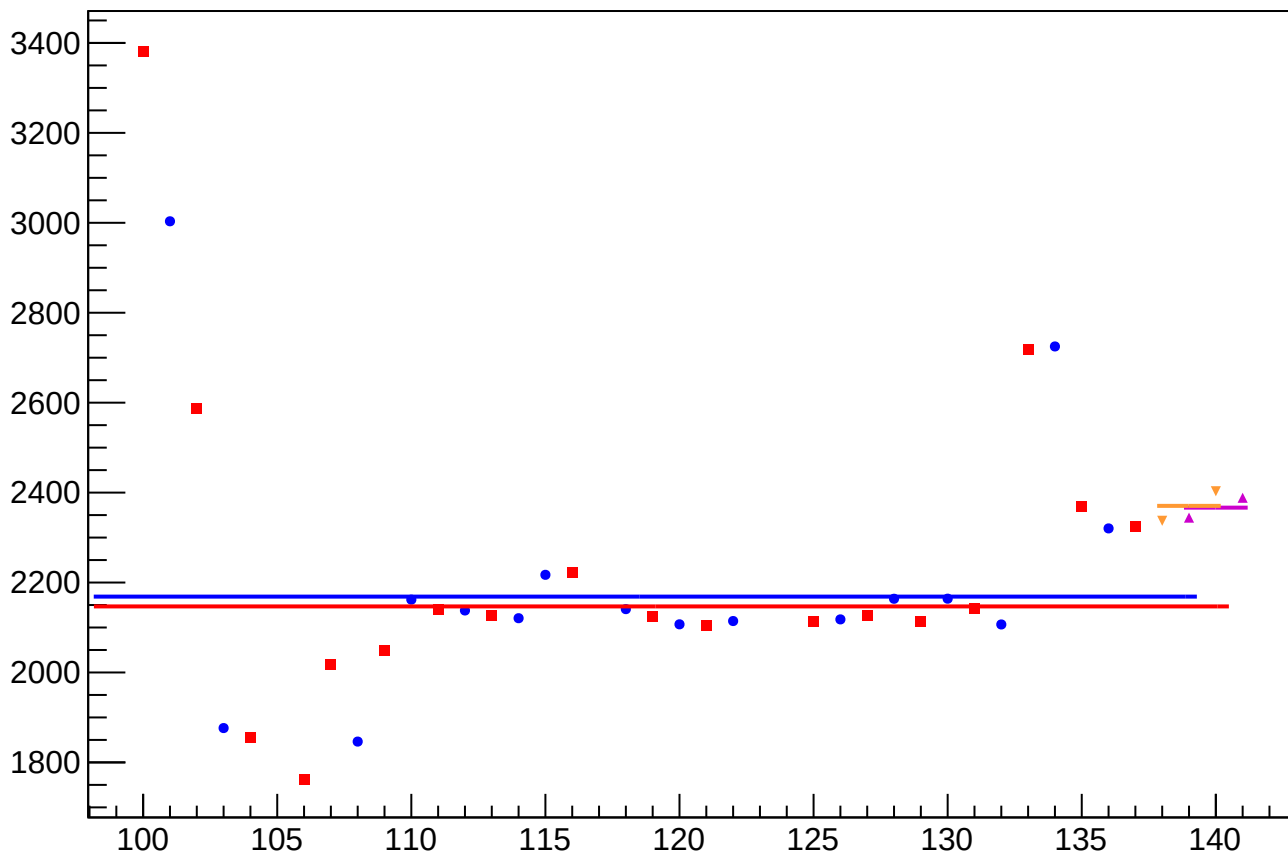
Left In: -5939.911 $\pm$ 1799.067 χ^2 /NDF:0.1/1

+ sign 4789.613 $\pm$ 744.623 χ^2 /NDF: 9.4/17

All: 201.988 $\pm$ 524.117 χ^2 /NDF: 98.7/37

- sign -4302.574 $\pm$ 737.851 χ^2 /NDF: 14.0/19

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF : 195659.8/15

Left Out: 2370.505+/-1.316 χ^2/NDF : 622.6/1

Right Out: 2146.888+/-0.569 χ^2/NDF : 157750.7/17

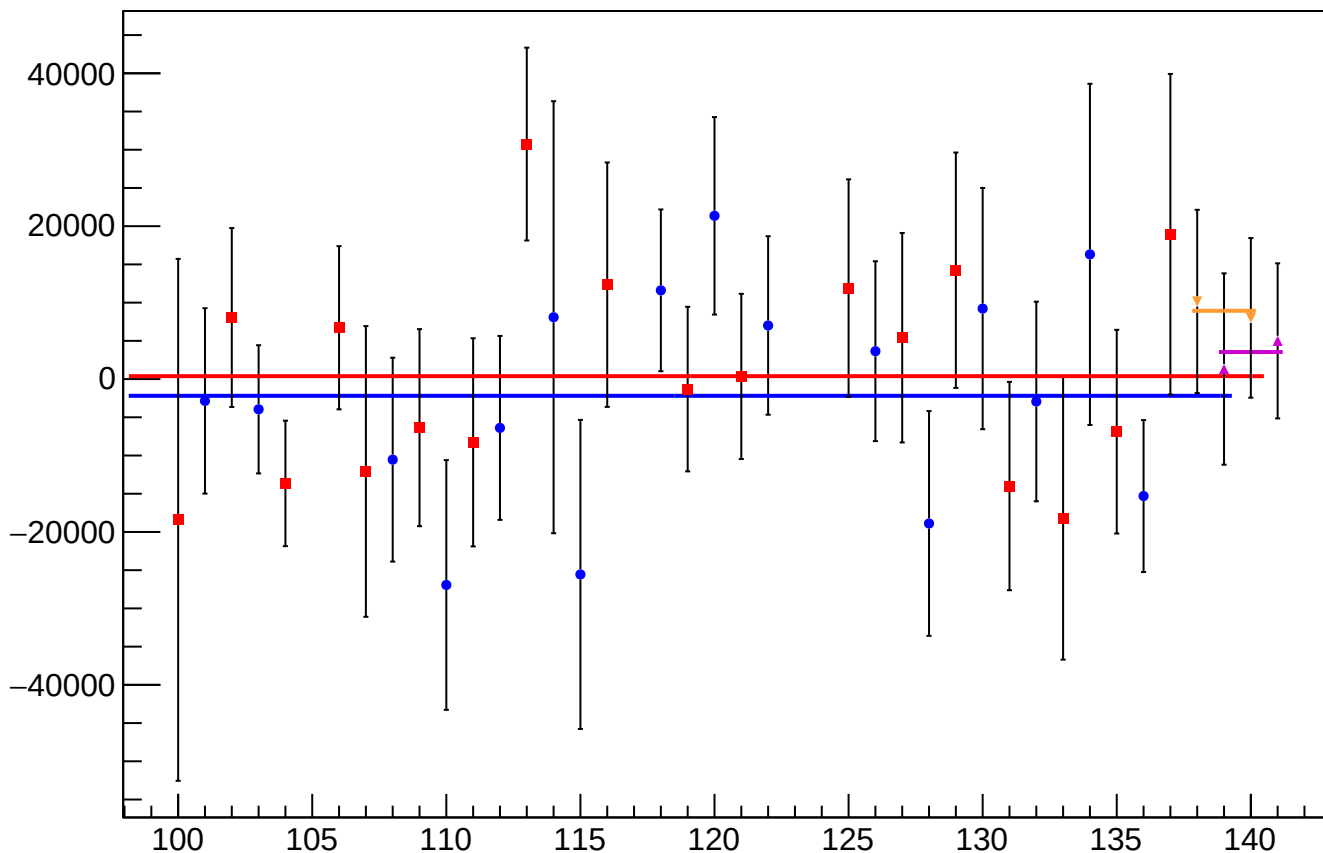
Left In: 2366.546+/-1.272 χ^2/NDF : 301.7/1

+ sign 2201.036+/-0.527 χ^2/NDF : 216040.0/17

All: 2192.167+/-0.370 χ^2/NDF : 399493.5/37

- sign 2183.531+/-0.520 χ^2/NDF : 182893.4/19

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -2189.256 ± 3208.524 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 8933.390 ± 7873.447 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 379.236 ± 3099.953 $\chi^2/\text{NDF}: 16.3/17$

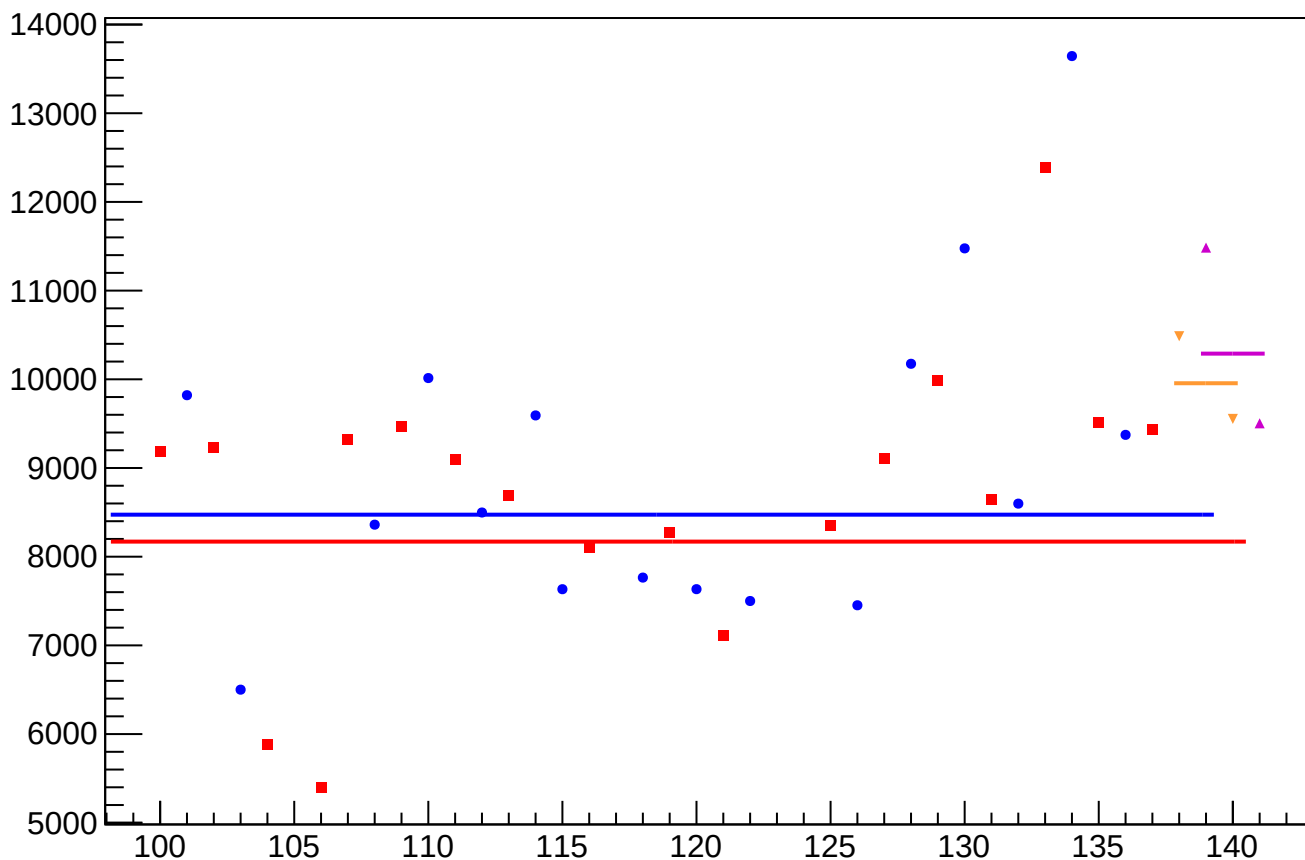
Left In: 3537.347 ± 7880.101 $\chi^2/\text{NDF}: 0.1/1$

+ sign -605.218 ± 2971.281 $\chi^2/\text{NDF}: 16.2/17$

All: 119.421 ± 2069.746 $\chi^2/\text{NDF}: 32.8/37$

- sign 802.474 ± 2884.763 $\chi^2/\text{NDF}: 16.5/19$

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 8473.743 $\pm$ 2.269 χ^2 /NDF: 429547.3/15

Left Out: 9955.615 $\pm$ 5.567 χ^2 /NDF: 6876.9/1

Right Out: 8170.027 $\pm$ 2.192 χ^2 /NDF: 539925.8/17

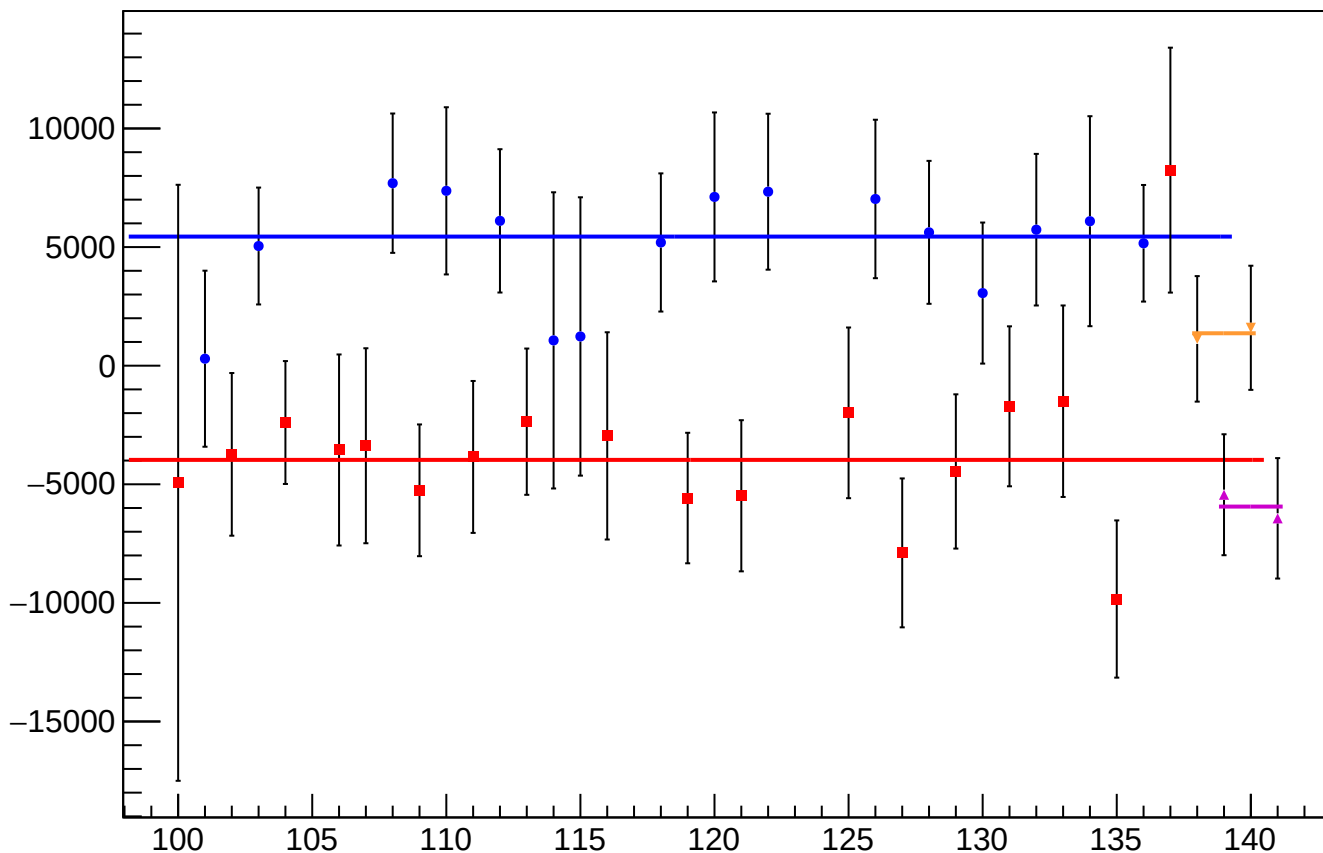
Left In: 10289.476 $\pm$ 5.572 χ^2 /NDF: 30246.8/1

+ sign 8684.785 $\pm$ 2.101 χ^2 /NDF: 497181.4/17

All: 8566.018 $\pm$ 1.464 χ^2 /NDF: 1198853.3/37

- sign 8454.067 $\pm$ 2.040 χ^2 /NDF: 695464.3/19

eigen_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

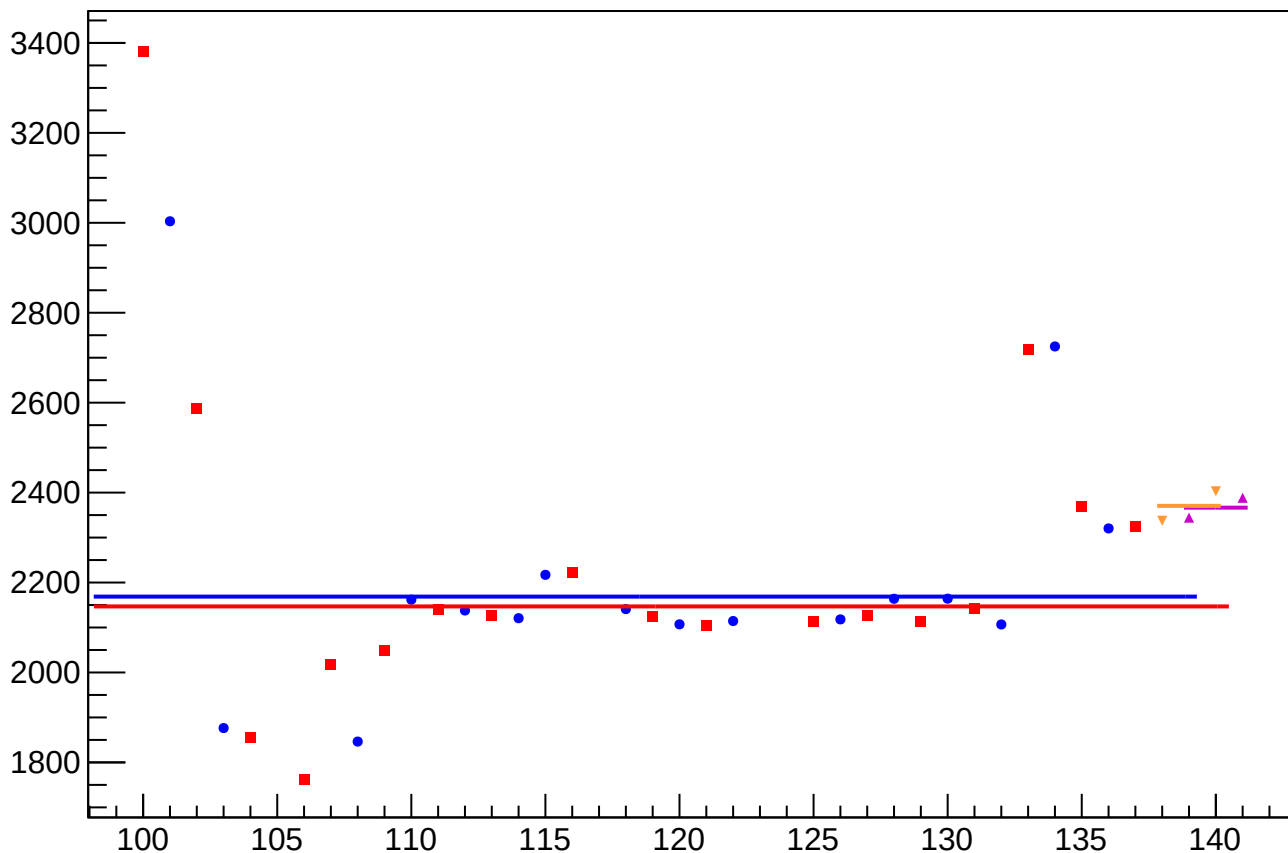
Left In: -5939.911+/-1799.067 χ^2/NDF : 0.1/1

+ sign 4789.613+/-744.623 χ^2/NDF : 9.4/17

All: 201.988+/-524.117 χ^2/NDF : 98.7/37

- sign -4302.574+/-737.851 χ^2/NDF : 14.0/19

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 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

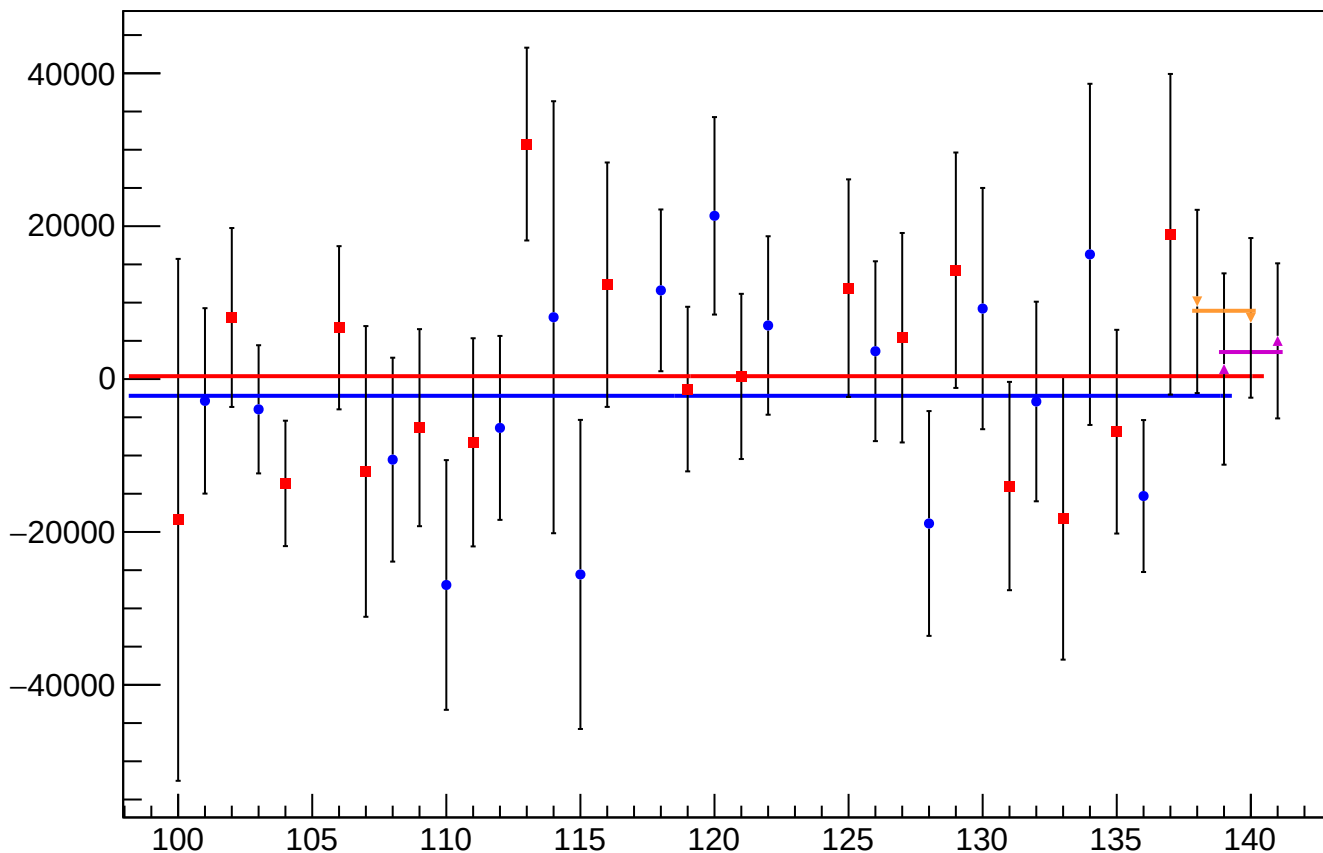
Left In: 2366.546 $\pm$ 1.272 χ^2 /NDF: 301.7/1

+ sign 2201.036 $\pm$ 0.527 χ^2 /NDF: 216040.0/17

All: 2192.167 $\pm$ 0.370 χ^2 /NDF: 399493.5/37

- sign 2183.531 $\pm$ 0.520 χ^2 /NDF: 182893.4/19

asym_us_avg_at2lr_avg_avg_eigen_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

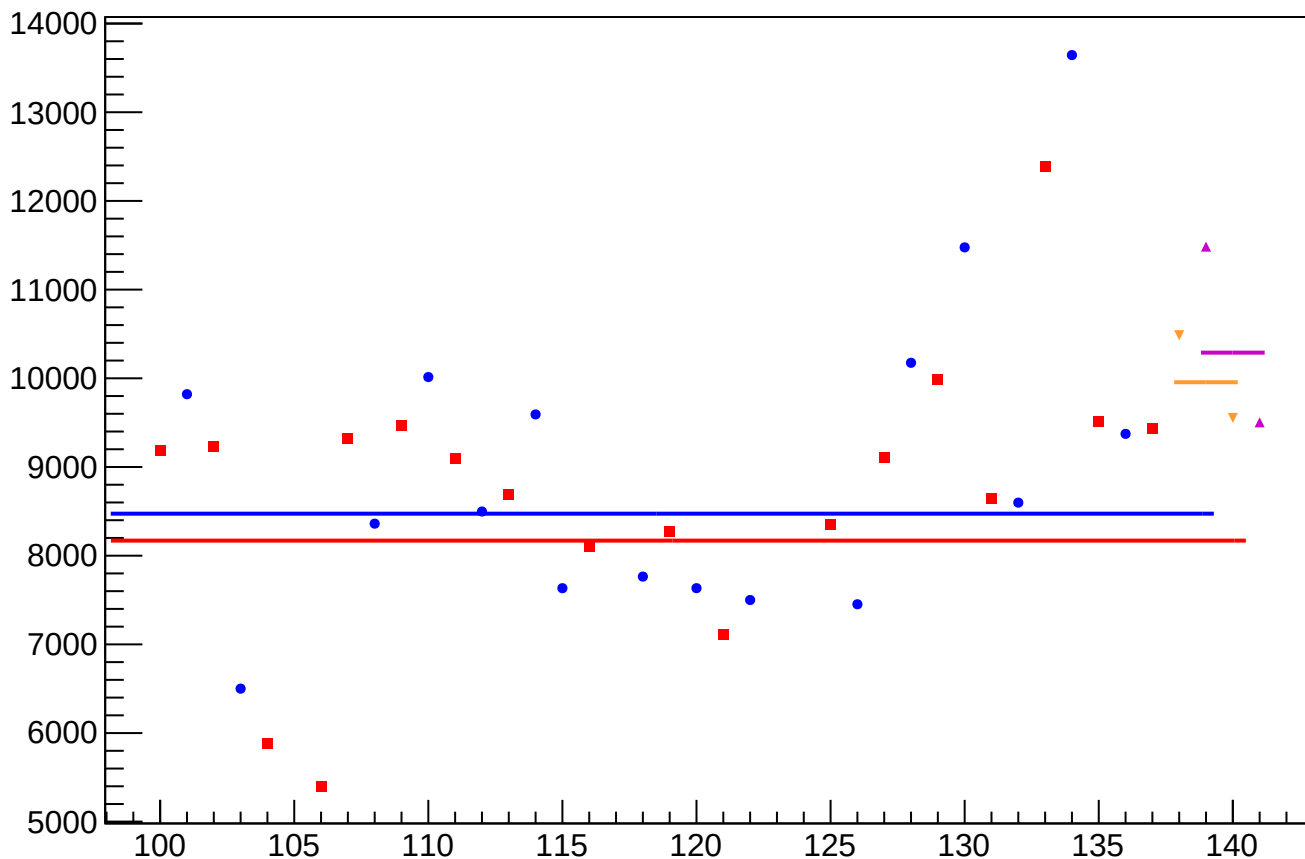
Left In: 3537.347+/-7880.101 χ^2/NDF : 0.1/1

+ sign -605.218+/-2971.281 χ^2/NDF : 16.2/17

All: 119.421+/-2069.746 χ^2/NDF : 32.8/37

- sign 802.474+/-2884.763 χ^2/NDF : 16.5/19

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 8473.743 $\pm$ 2.269 χ^2/NDF : 429547.3/15

Left Out: 9955.615 $\pm$ 5.567 χ^2/NDF : 6876.9/1

Right Out: 8170.027 $\pm$ 2.192 χ^2/NDF : 539925.8/17

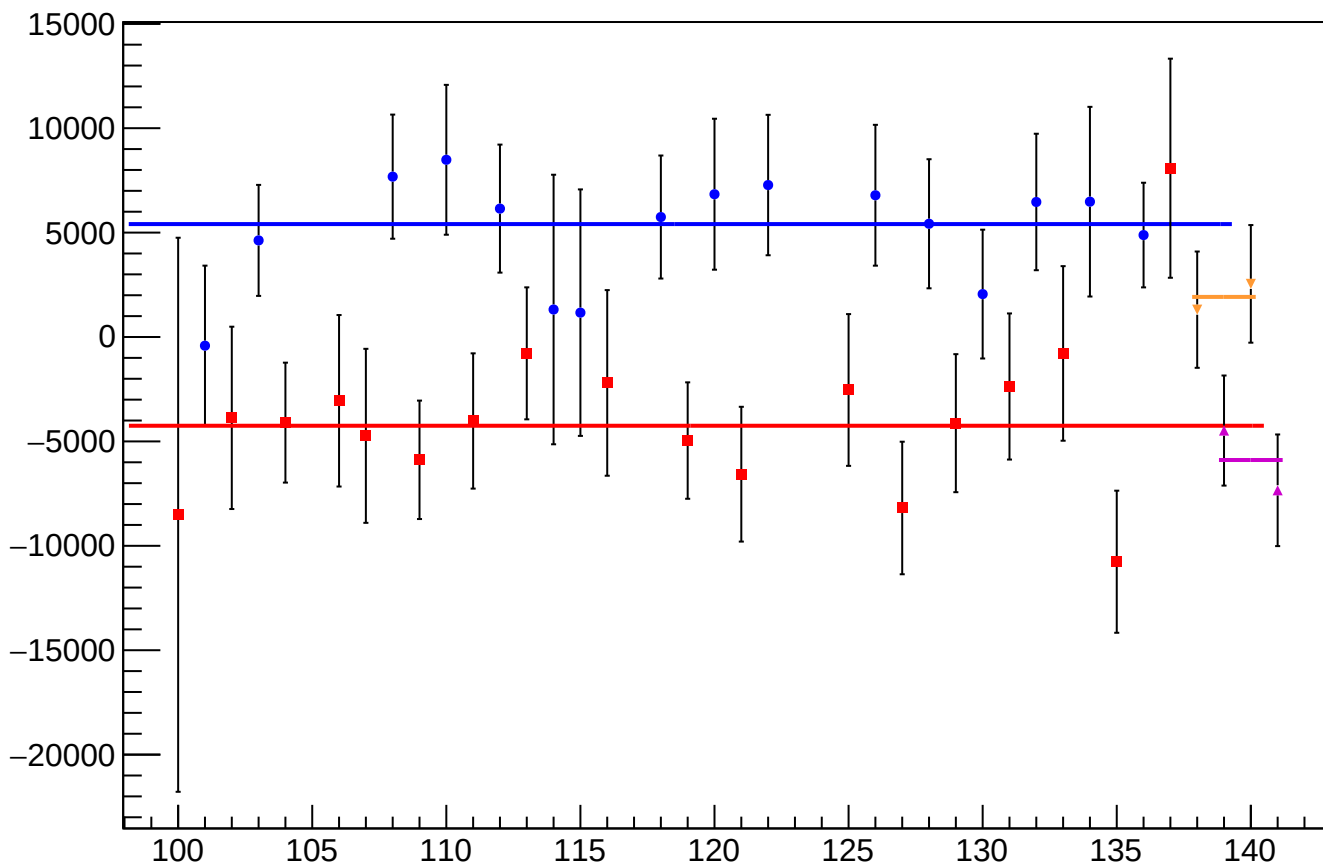
Left In: 10289.476 $\pm$ 5.572 χ^2/NDF : 30246.8/1

+ sign 8684.785 $\pm$ 2.101 χ^2/NDF : 497181.4/17

All: 8566.018 $\pm$ 1.464 χ^2/NDF : 1198853.3/37

- sign 8454.067 $\pm$ 2.040 χ^2/NDF : 695464.3/19

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF : 6.7/15

Left Out: 1920.035+/-1980.214 χ^2/NDF : 0.1/1

Right Out: -4249.899+/-839.336 χ^2/NDF : 14.5/17

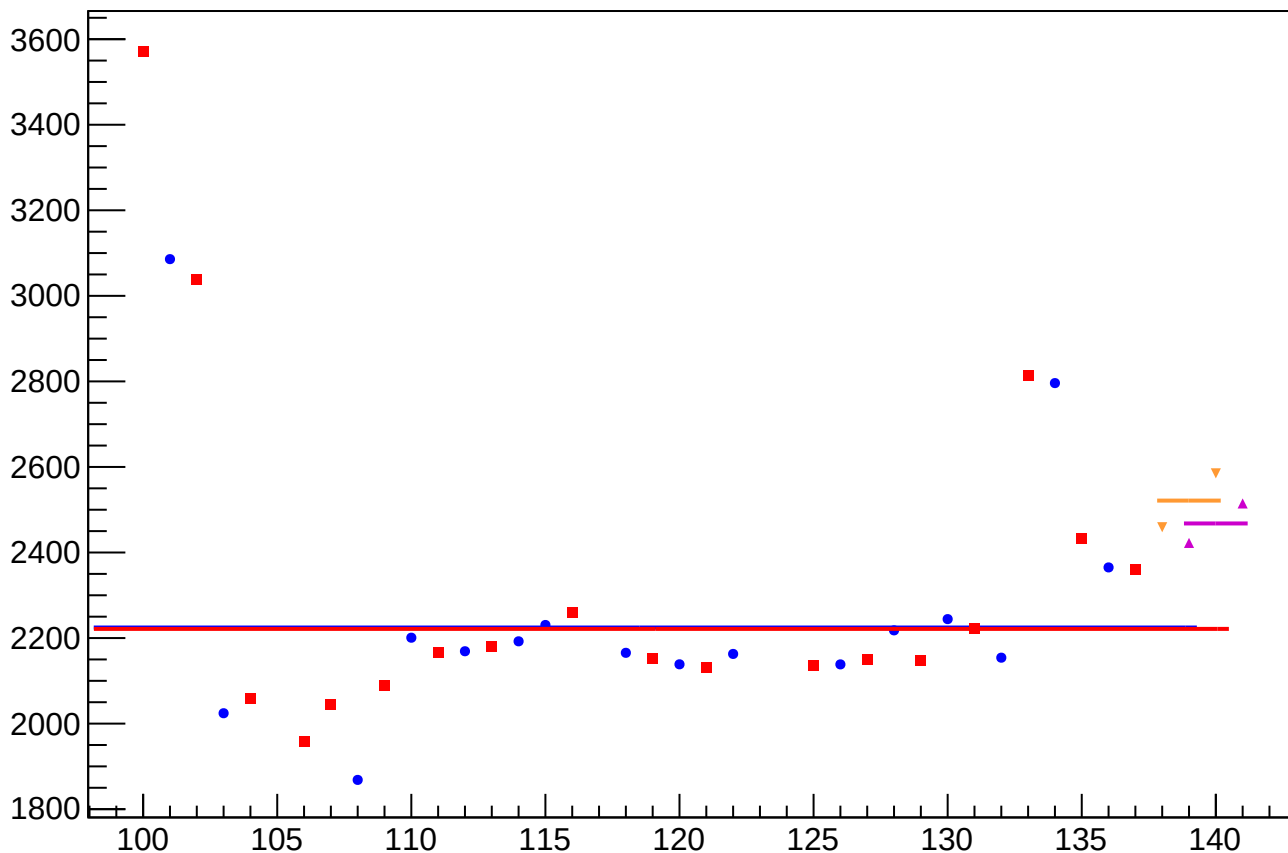
Left In: -5890.245+/-1876.875 χ^2/NDF : 0.6/1

+ sign 4882.733+/-768.369 χ^2/NDF : 9.5/17

All: 166.493+/-542.554 χ^2/NDF : 100.3/37

- sign -4523.274+/-766.209 χ^2/NDF : 15.7/19

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF : 184679.8/15

Left Out: 2521.357+/-1.400 χ^2/NDF : 2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF : 169944.3/17

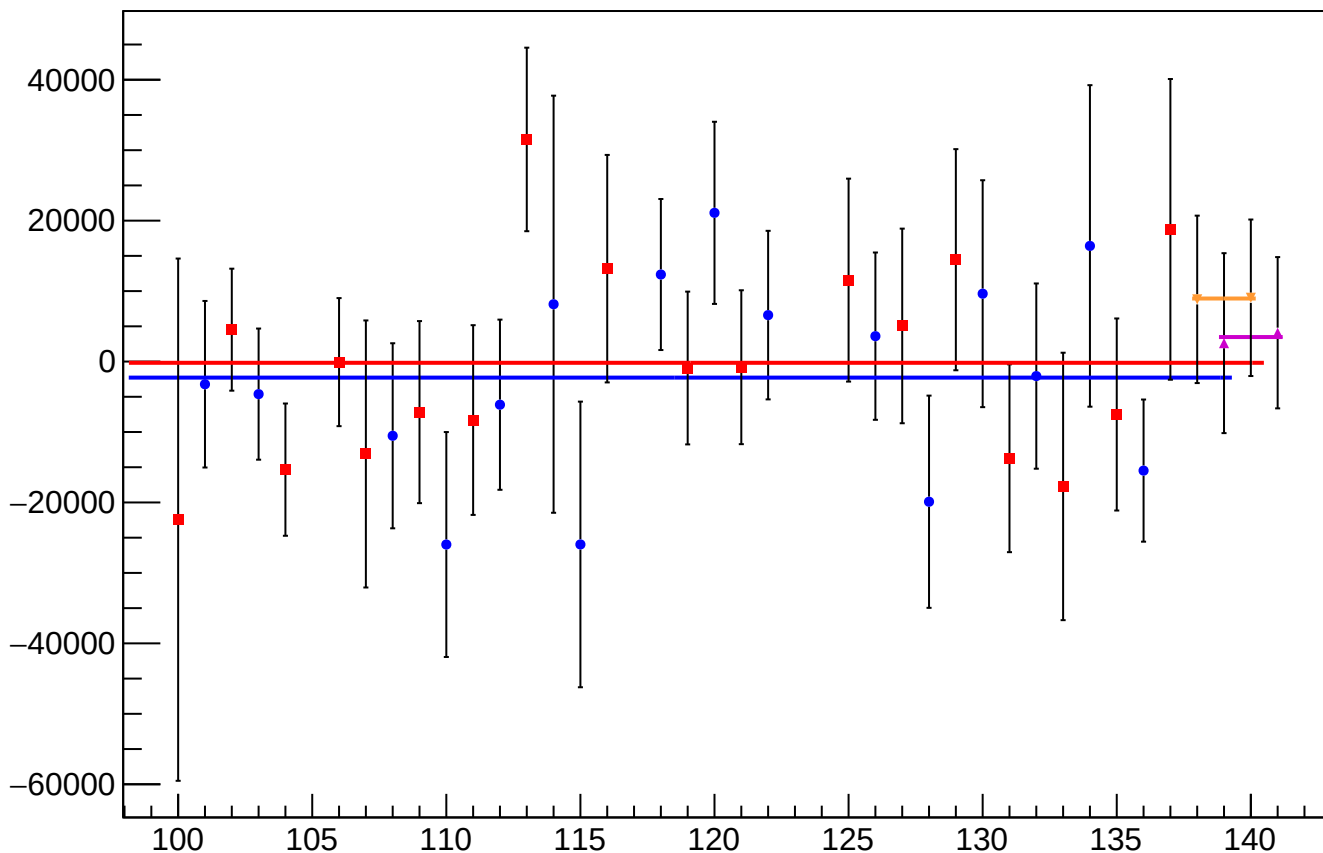
Left In: 2467.906+/-1.327 χ^2/NDF : 1206.9/1

+ sign 2269.292+/-0.543 χ^2/NDF : 224853.0/17

All: 2265.865+/-0.384 χ^2/NDF : 424833.5/37

- sign 2262.461+/-0.542 χ^2/NDF : 199901.1/19

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -2278.440 $\pm$ 3271.750 χ^2 /NDF: 14.5/15

Left Out: 8948.086 $\pm$ 8114.076 χ^2 /NDF: 0.0/1

Right Out: -177.024 $\pm$ 3035.355 χ^2 /NDF: 15.6/17

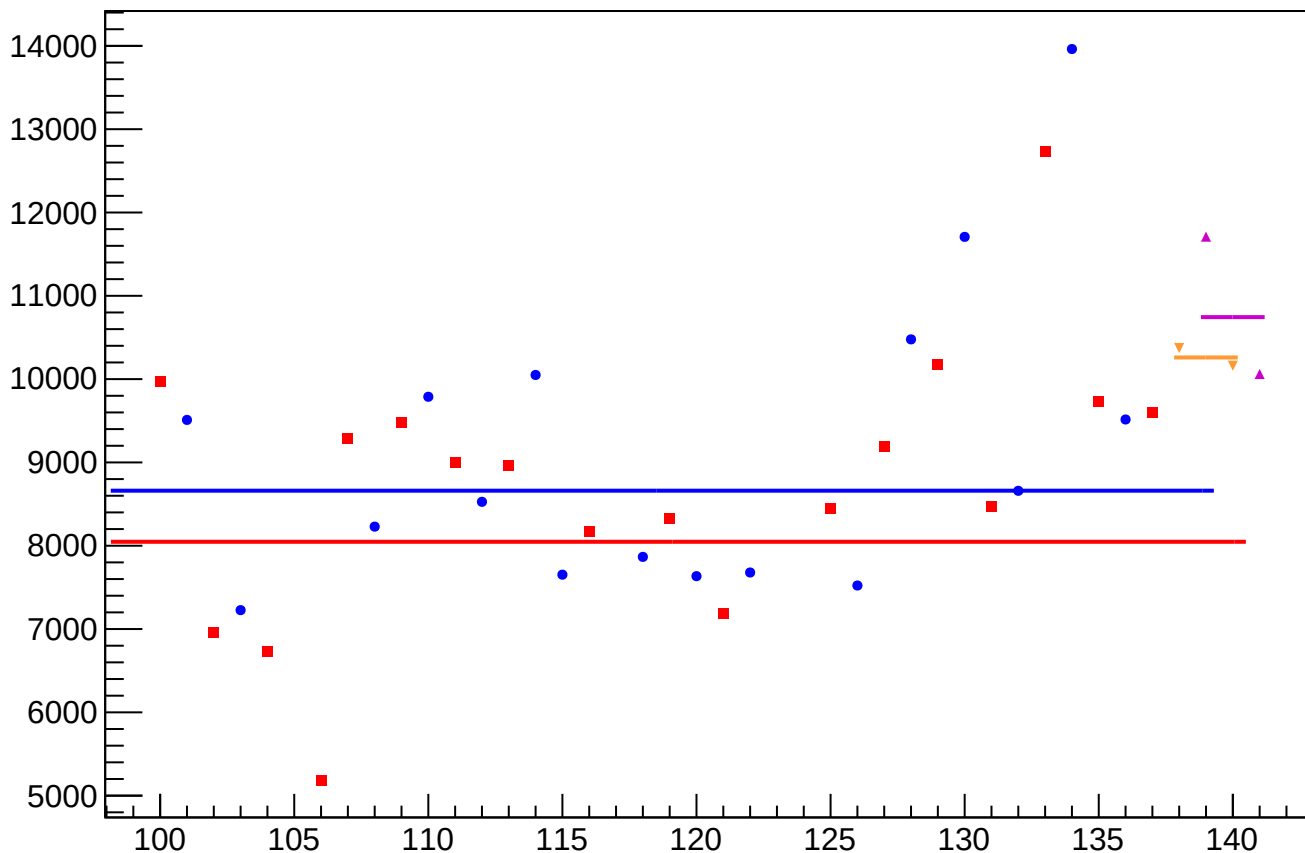
Left In: 3478.895 $\pm$ 8218.042 χ^2 /NDF: 0.0/1

+ sign -708.430 $\pm$ 3034.364 χ^2 /NDF: 16.1/17

All: -192.469 $\pm$ 2076.346 χ^2 /NDF: 32.0/37

- sign 261.850 $\pm$ 2847.343 χ^2 /NDF: 15.8/19

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

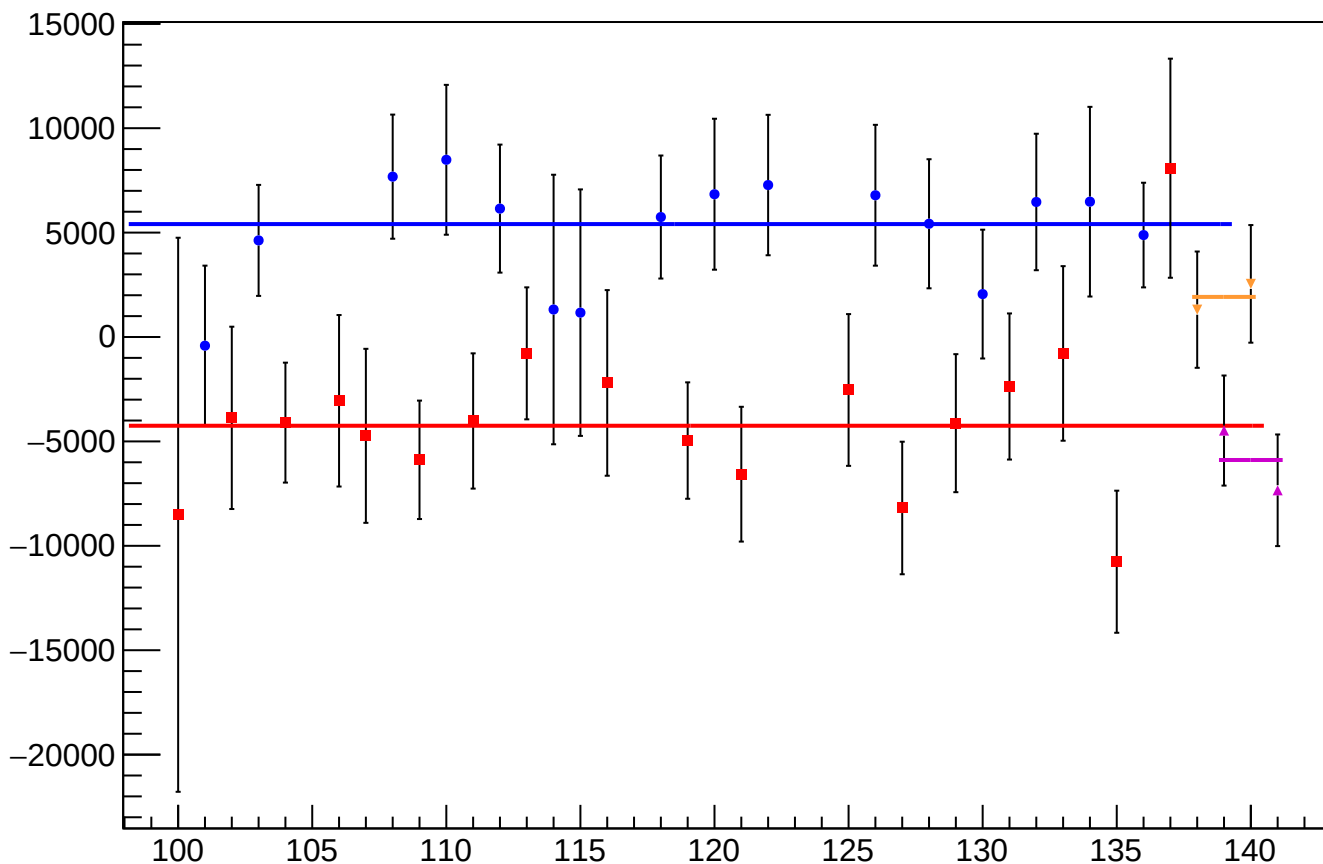
Left In: 10744.285+/-5.811 χ^2/NDF : 19527.3/1

+ sign 8884.362+/-2.146 χ^2/NDF : 425118.3/17

All: 8611.480+/-1.468 χ^2/NDF : 1223144.7/37

- sign 8371.199+/-2.013 χ^2/NDF : 767608.8/19

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

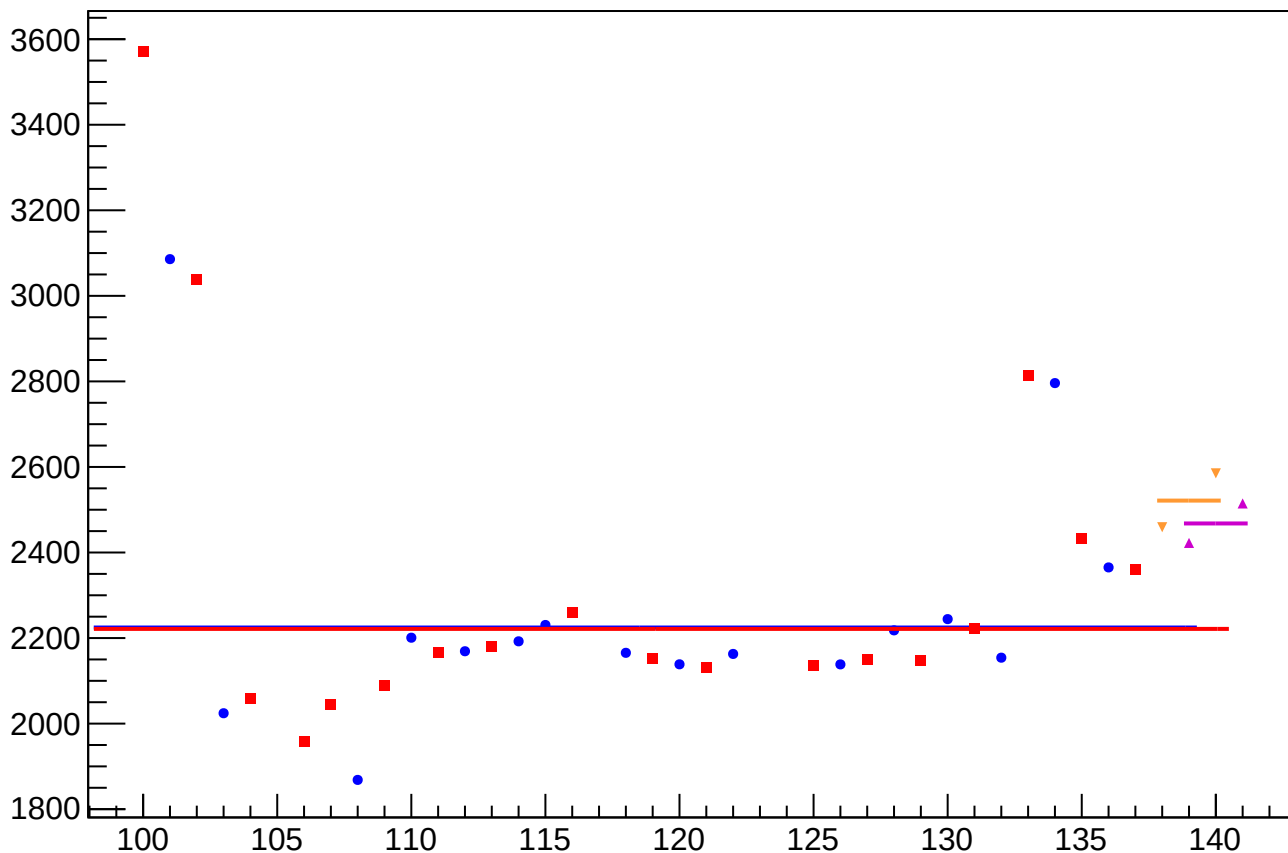
Left In: -5890.216+/-1876.877 χ^2/NDF : 0.6/1

+ sign 4882.735+/-768.369 χ^2/NDF : 9.5/17

All: 166.495+/-542.554 χ^2/NDF : 100.3/37

- sign -4523.273+/-766.209 χ^2/NDF : 15.7/19

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF : 184680.1/15

Left Out: 2521.358+/-1.400 χ^2/NDF : 2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF : 169944.3/17

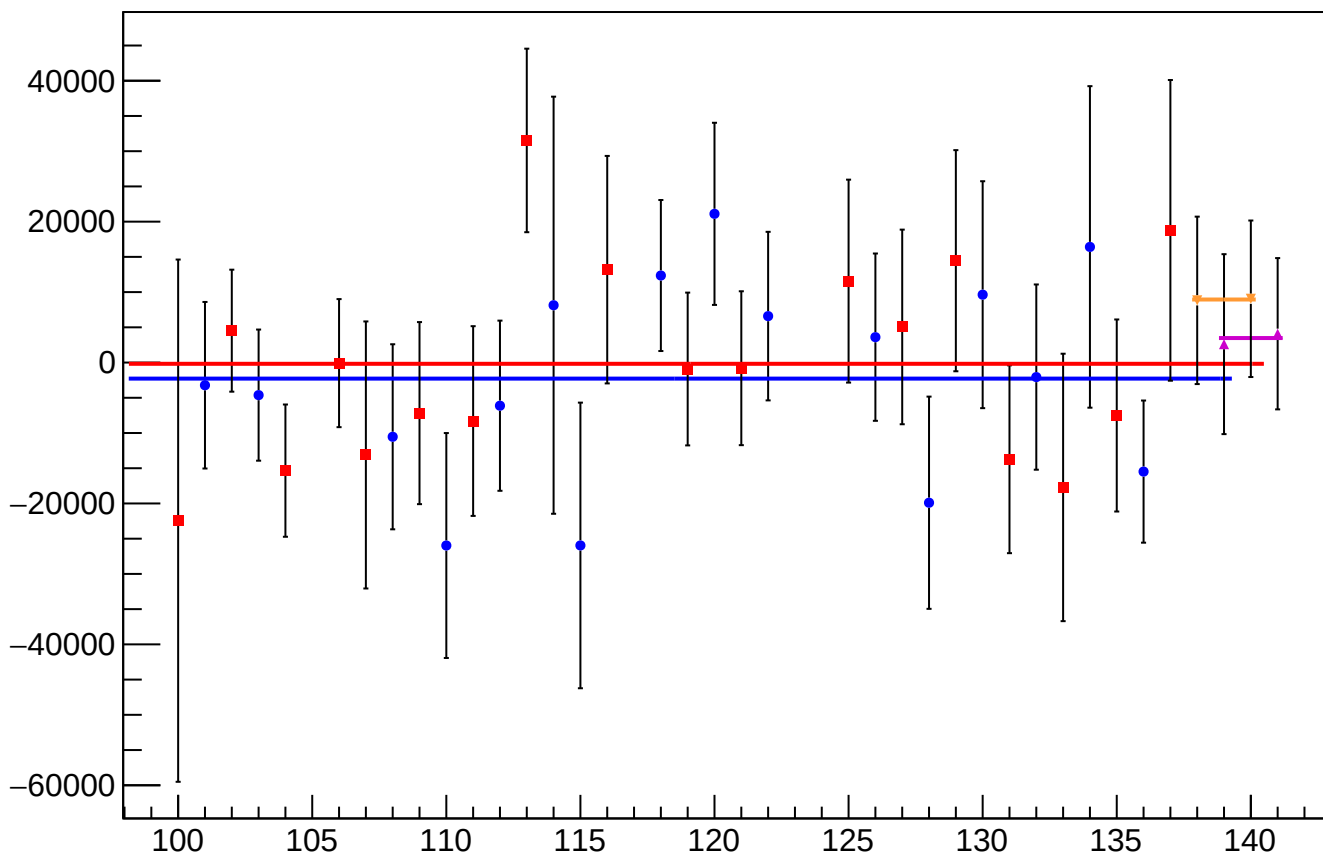
Left In: 2467.908+/-1.327 χ^2/NDF : 1206.8/1

+ sign 2269.292+/-0.543 χ^2/NDF : 224853.8/17

All: 2265.865+/-0.384 χ^2/NDF : 424834.8/37

- sign 2262.461+/-0.542 χ^2/NDF : 199901.8/19

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

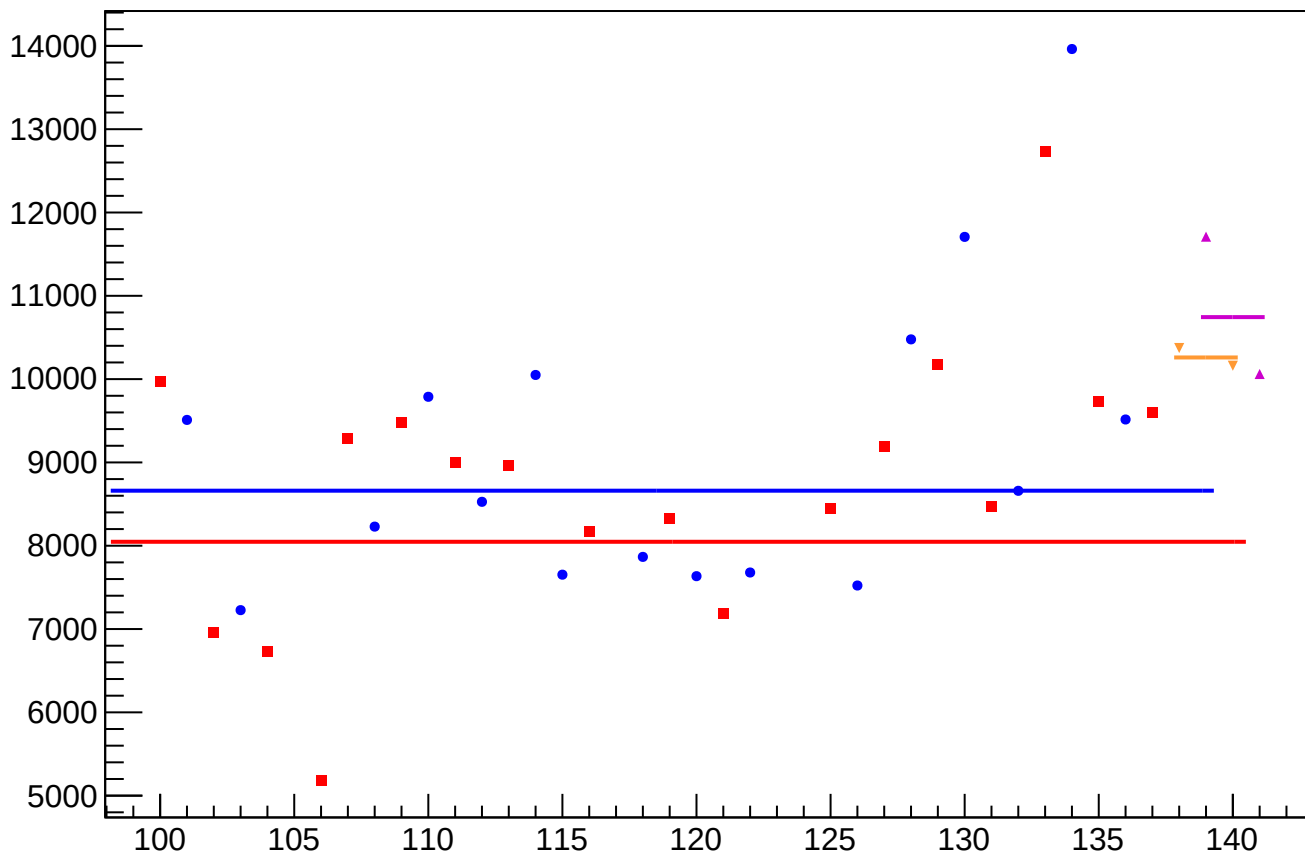
Left In: 3478.919+/-8218.055 χ^2/NDF : 0.0/1

+ sign -708.421+/-3034.358 χ^2/NDF : 16.1/17

All: -192.467+/-2076.342 χ^2/NDF : 32.0/37

- sign 261.845+/-2847.338 χ^2/NDF : 15.8/19

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

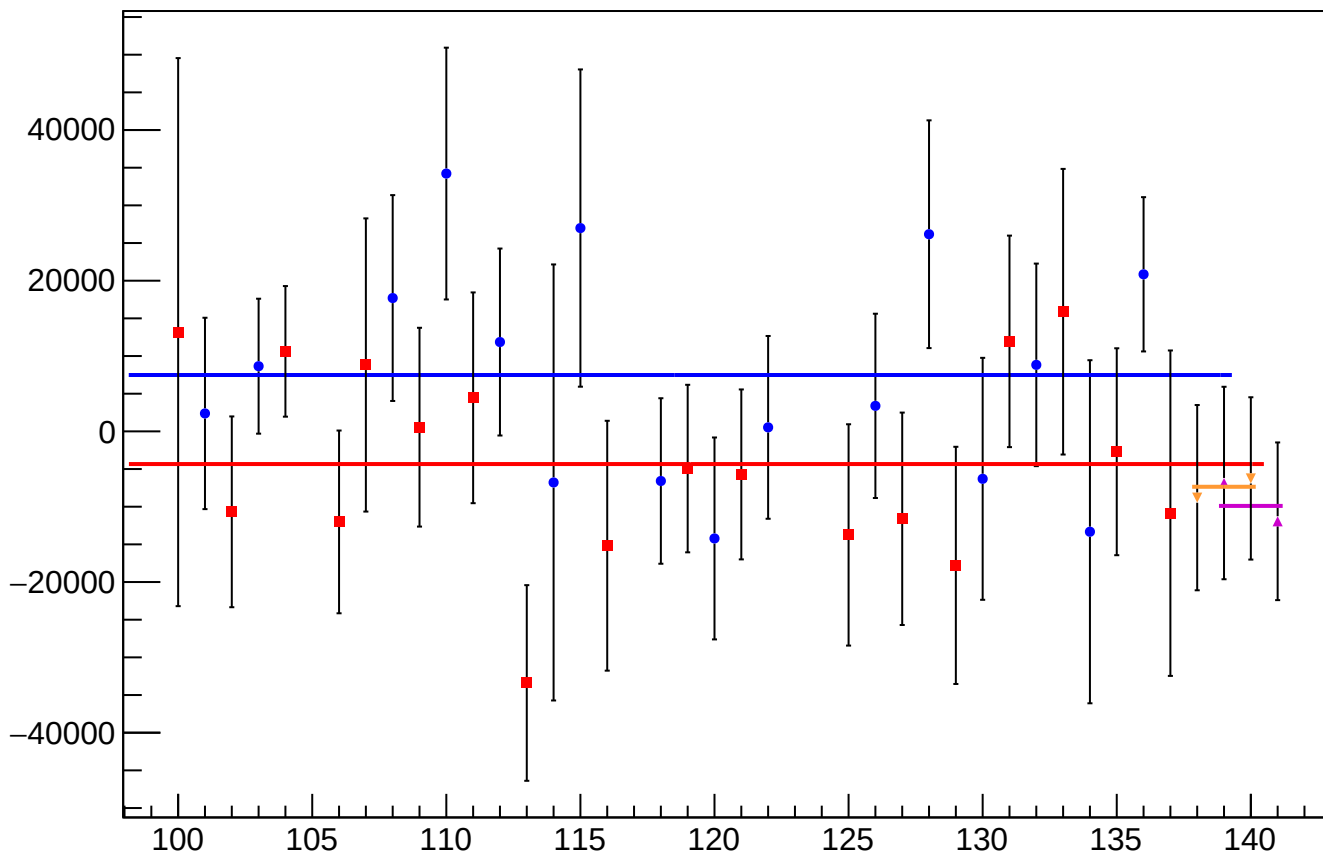
Left In: 10744.301+/-5.811 χ^2/NDF : 19527.8/1

+ sign 8884.345+/-2.146 χ^2/NDF : 425123.6/17

All: 8611.464+/-1.468 χ^2/NDF : 1223153.0/37

- sign 8371.184+/-2.013 χ^2/NDF : 767611.9/19

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF : 14.0/15

Left Out: -7354.402+/-8103.328 χ^2/NDF : 0.0/1

+ sign 5337.299+/-3080.793 χ^2/NDF : 16.9/17

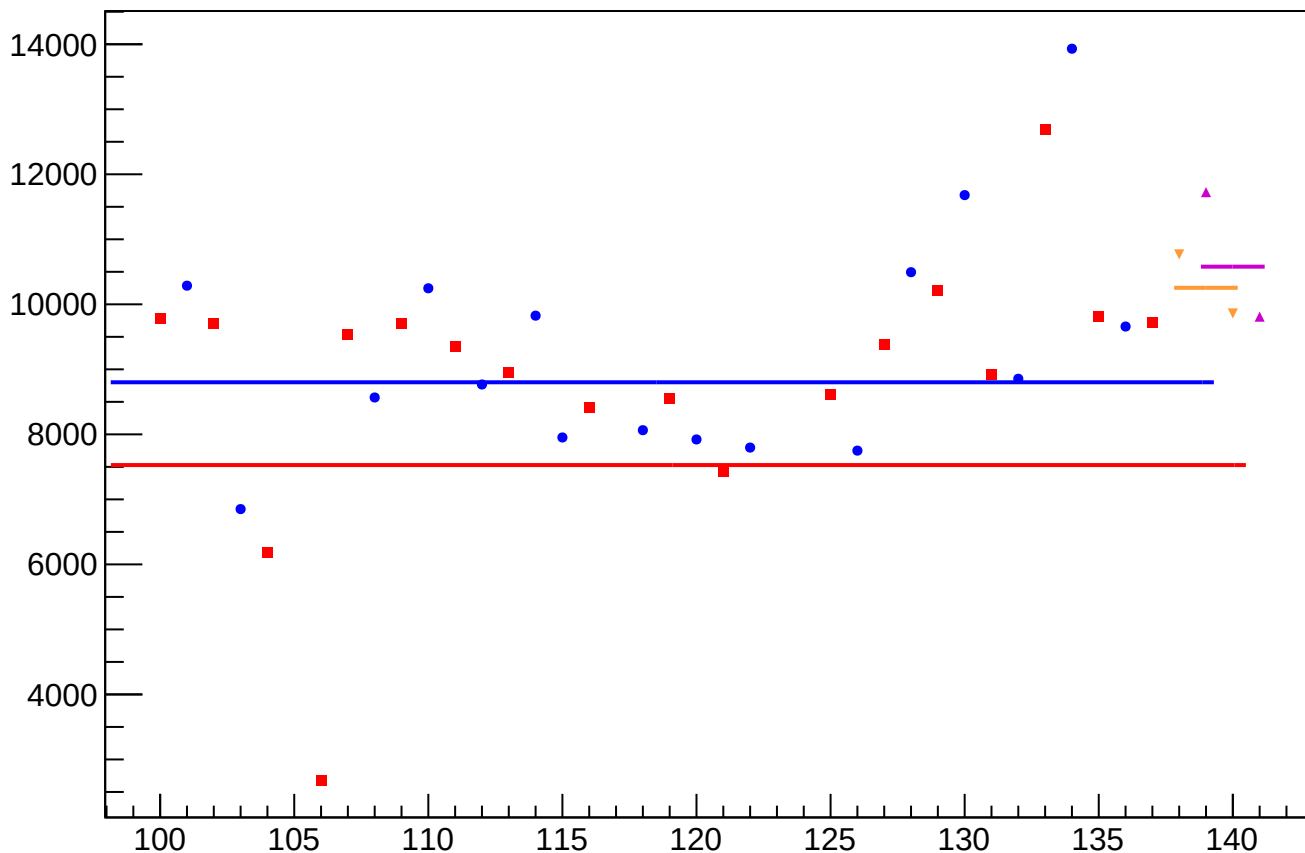
Right Out: -4338.165+/-3242.620 χ^2/NDF : 14.3/17

All: -5.711+/-2153.037 χ^2/NDF : 37.6/37

- sign -5106.476+/-3010.144 χ^2/NDF : 14.8/19

Left In: -9895.639+/-8095.759 χ^2/NDF : 0.1/1

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

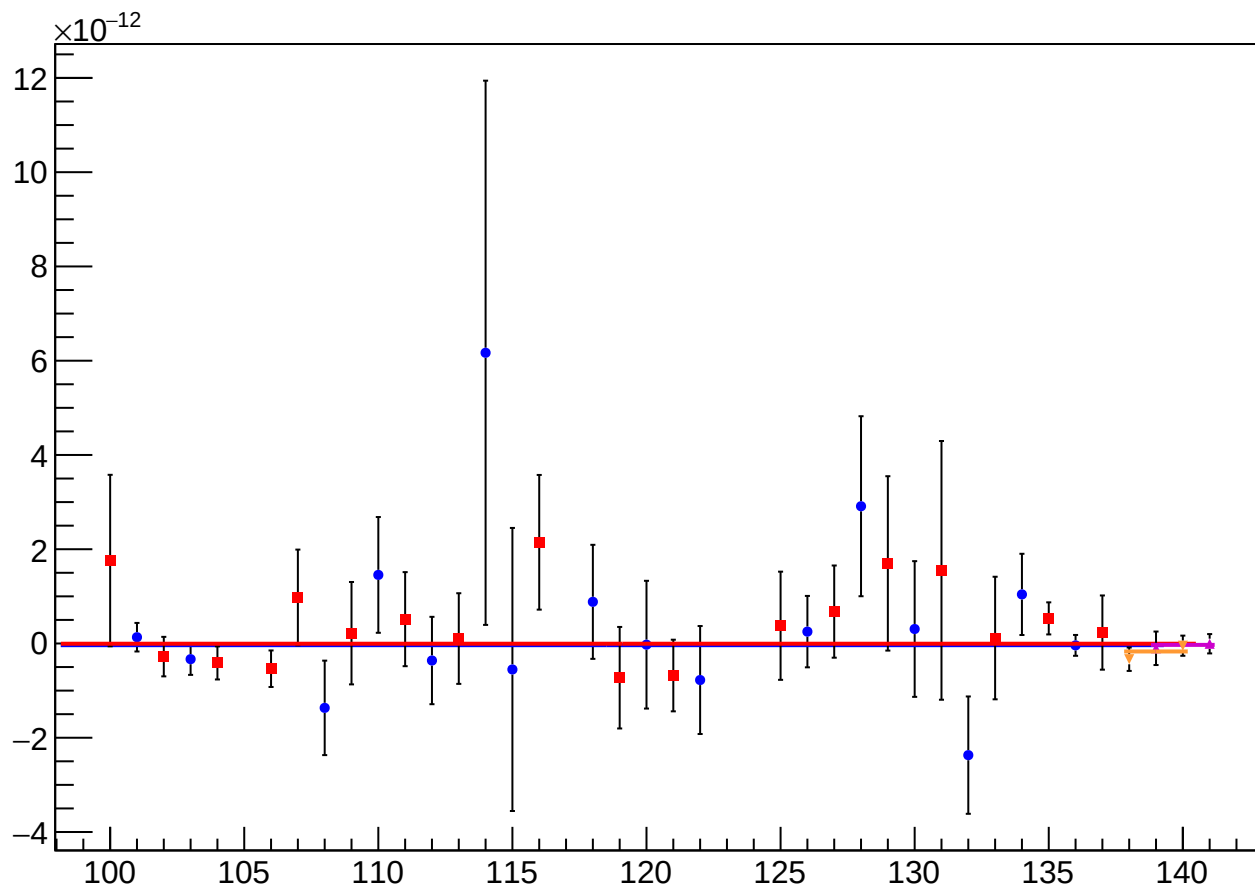
Left In: 10579.421+/-5.725 χ^2/NDF : 26891.3/1

+ sign 9011.126+/-2.178 χ^2/NDF : 455773.3/17

All: 8405.922+/-1.471 χ^2/NDF : 2531531.1/37

- sign 7898.392+/-1.995 χ^2/NDF : 1933849.7/19

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

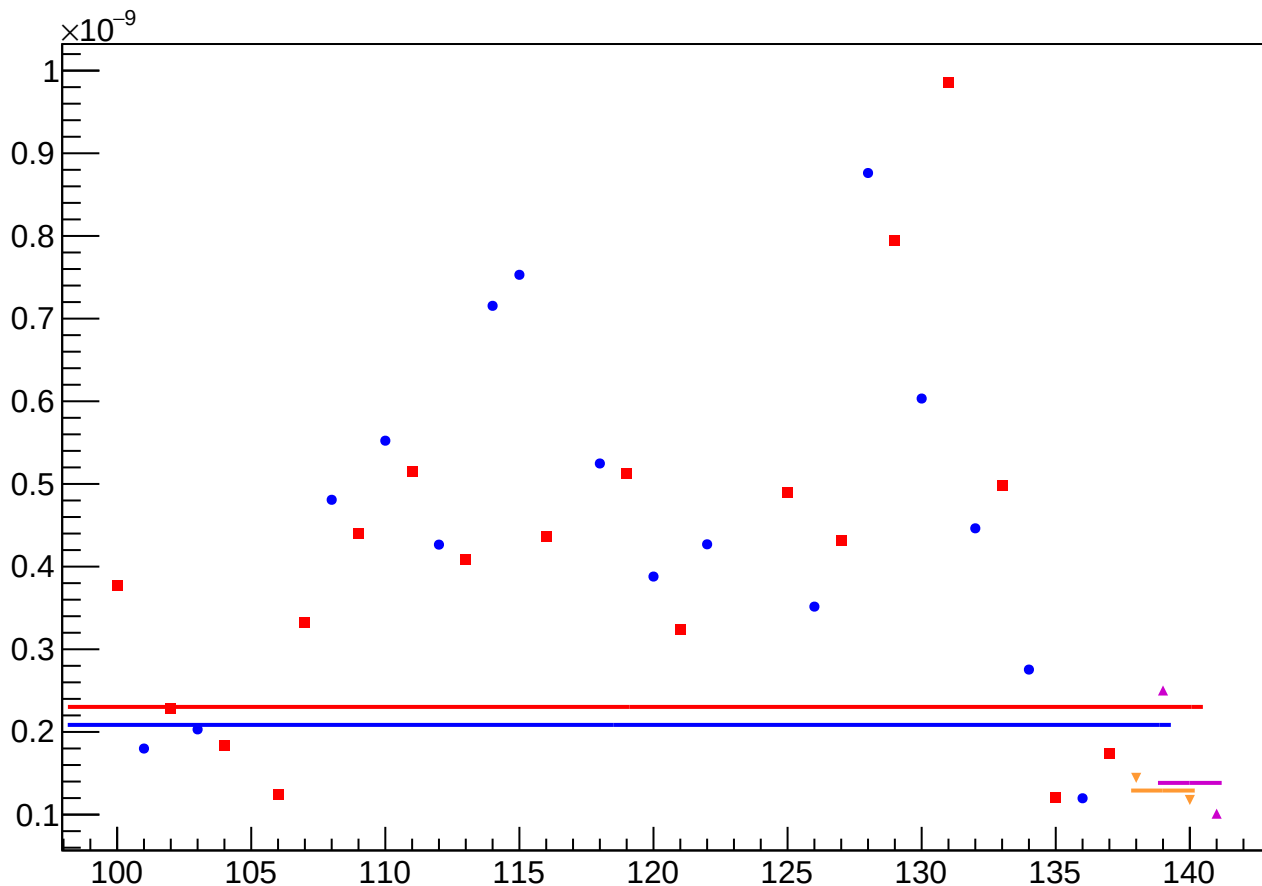
Left In: -0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 15.4/17

All: -0.000+/-0.000 χ^2/NDF : 29.5/37

- sign -0.000+/-0.000 χ^2/NDF : 13.8/19

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

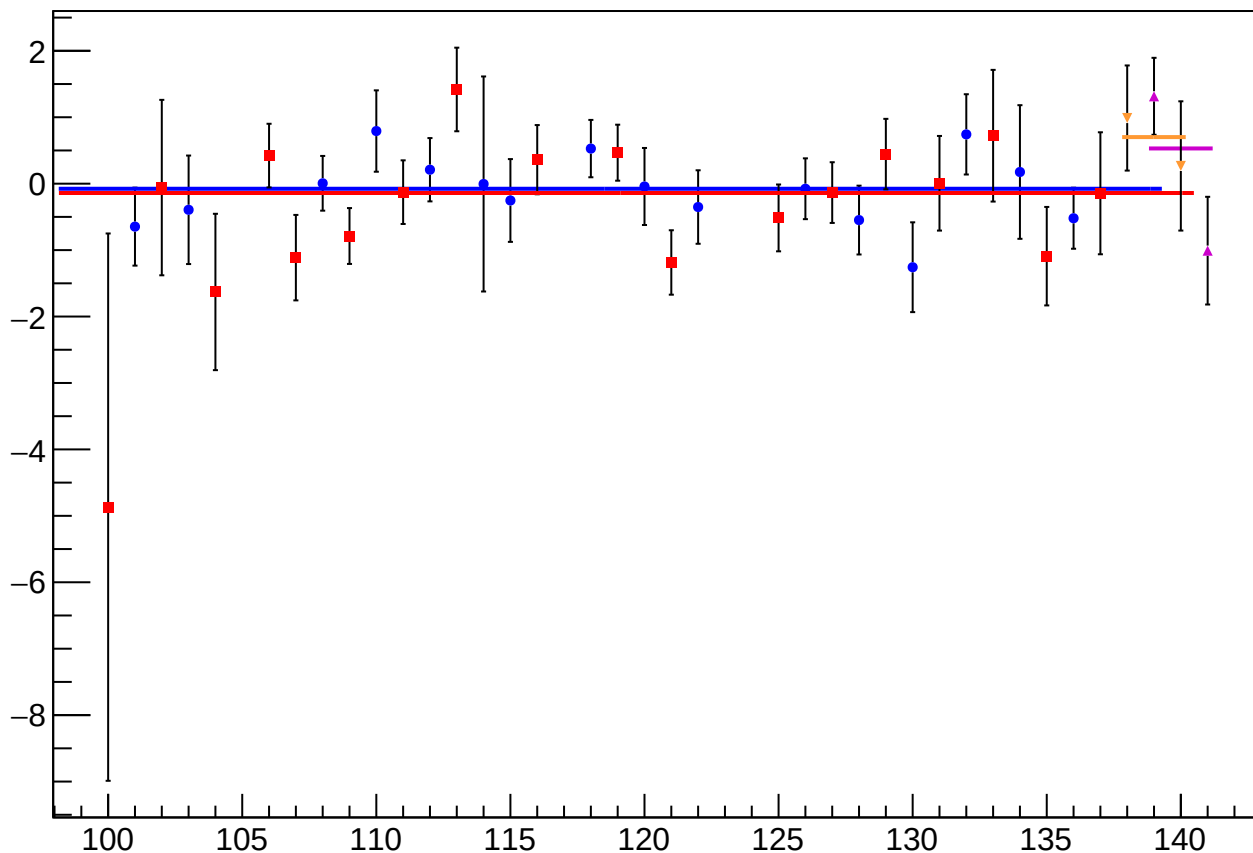
Left In: 0.000+/-0.000 χ^2/NDF :264024.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 1917554.7/17

All: 0.000+/-0.000 χ^2/NDF : 4065009.1/37

- sign 0.000+/-0.000 χ^2/NDF : 2127192.1/19

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

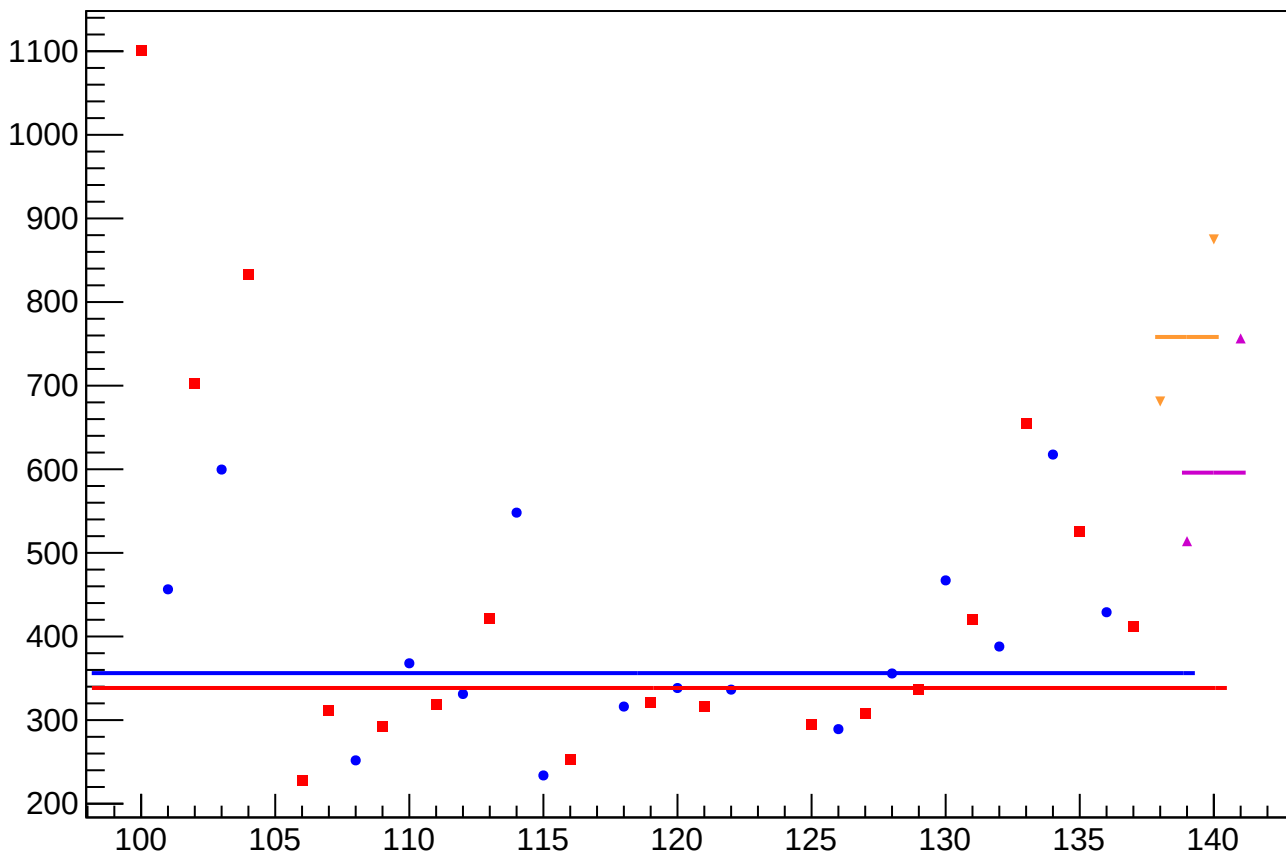
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.063 ± 0.095 χ^2/NDF : 48.7/37

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 356.190 $\pm$ 0.099 χ^2 /NDF: 785107.3/15

Left Out: 758.240 $\pm$ 0.434 χ^2 /NDF: 47786.6/1

Right Out: 338.410 $\pm$ 0.098 χ^2 /NDF: 1203282.0/17

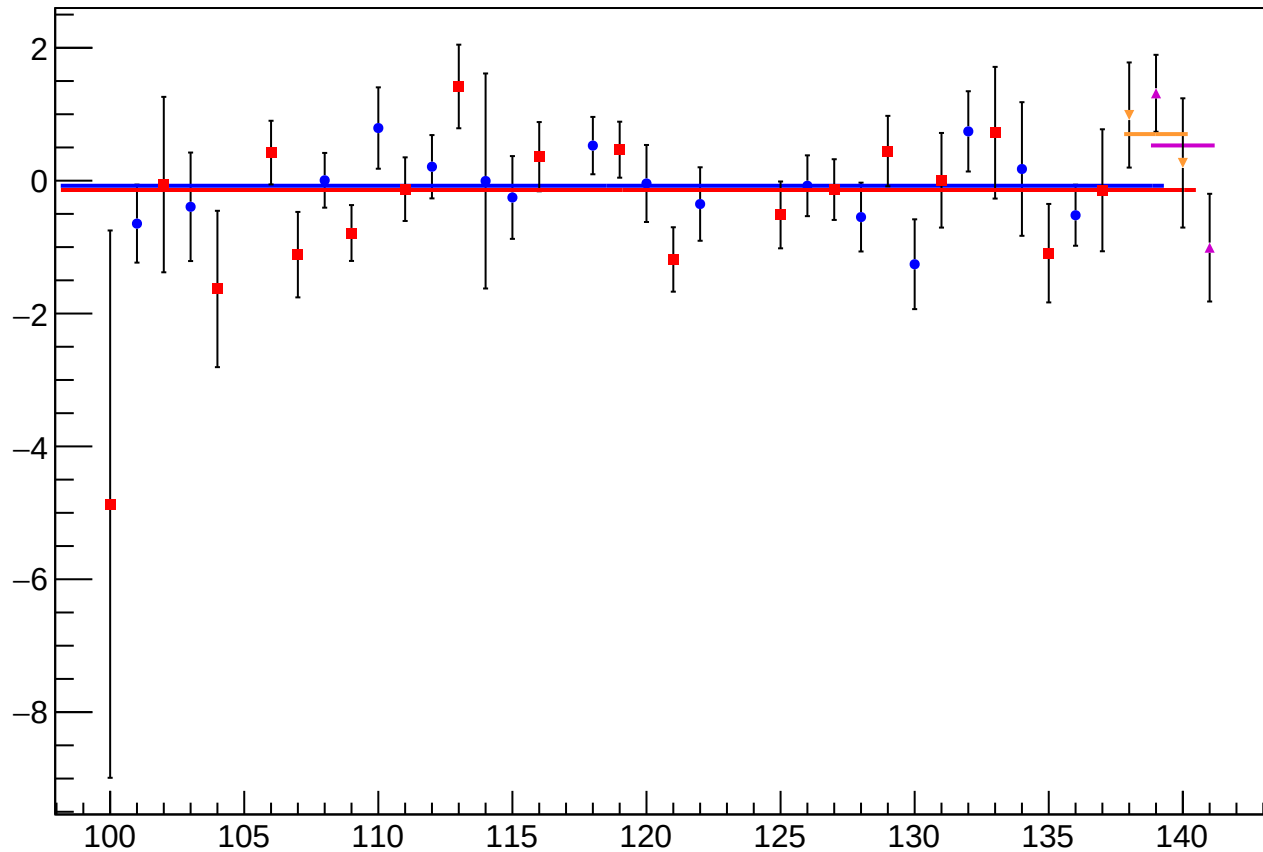
Left In: 595.952 $\pm$ 0.333 χ^2 /NDF: 118507.2/1

+ sign 376.041 $\pm$ 0.096 χ^2 /NDF: 1648481.8/17

All: 367.137 $\pm$ 0.067 χ^2 /NDF: 3537094.0/37

- sign 358.747 $\pm$ 0.094 χ^2 /NDF: 1872058.9/19

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

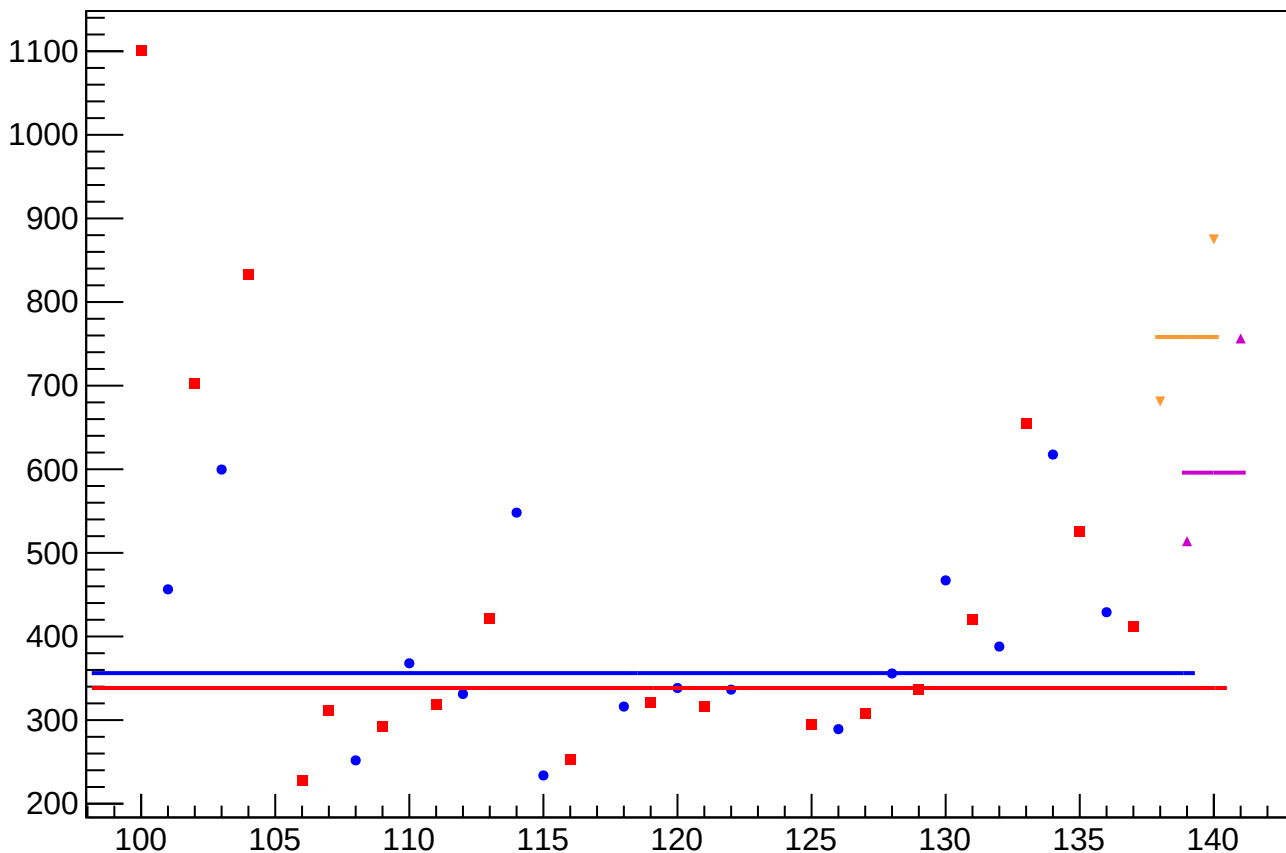
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.063 ± 0.095 χ^2/NDF : 48.7/37

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

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

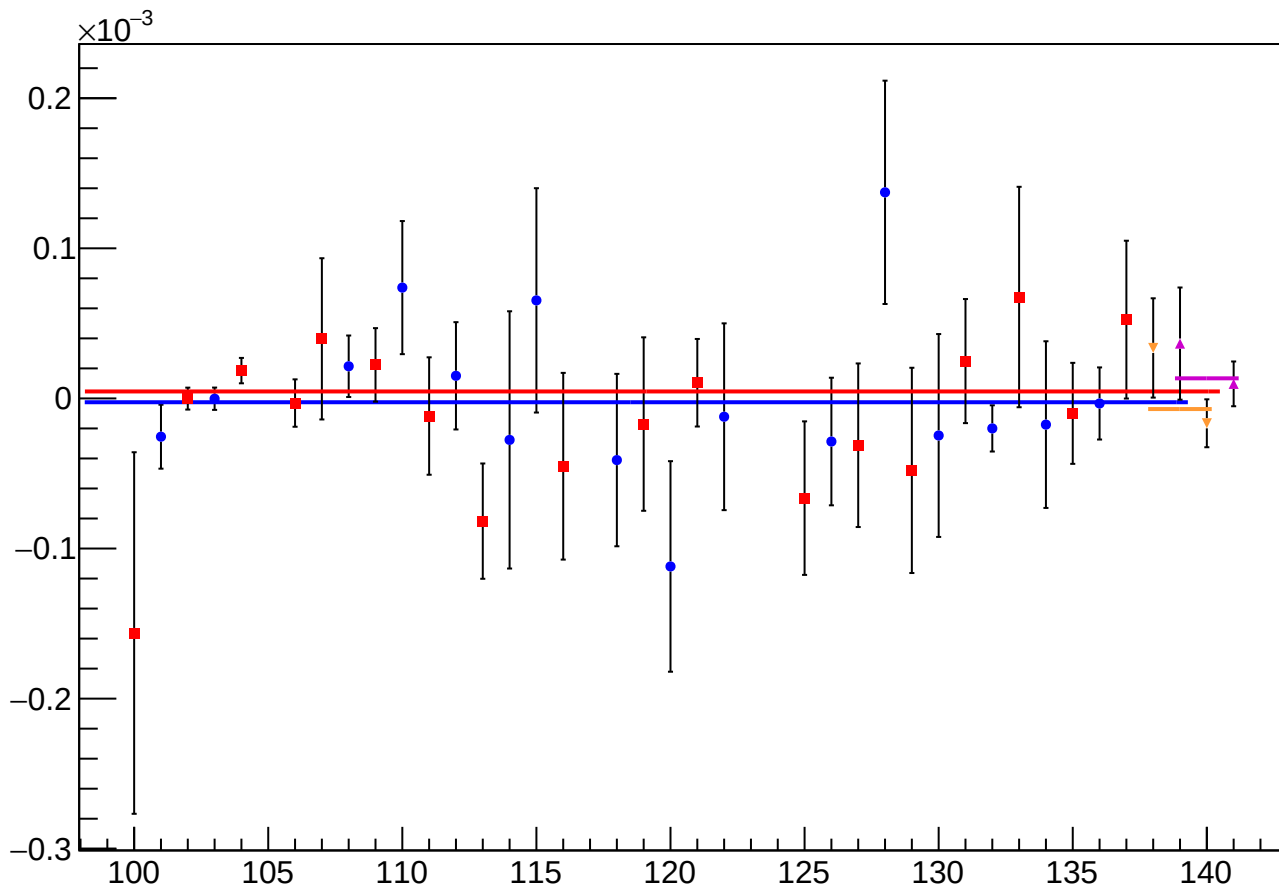
Left In: 595.952 +/- 0.333 χ^2/NDF : 118507.2/1

+ sign 376.041 +/- 0.096 χ^2/NDF : 1648481.8/17

All: 367.137 +/- 0.067 χ^2/NDF : 3537094.0/37

- sign 358.747 +/- 0.094 χ^2/NDF : 1872058.9/19

asym_us_avg_at2lr_avg_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: 1.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

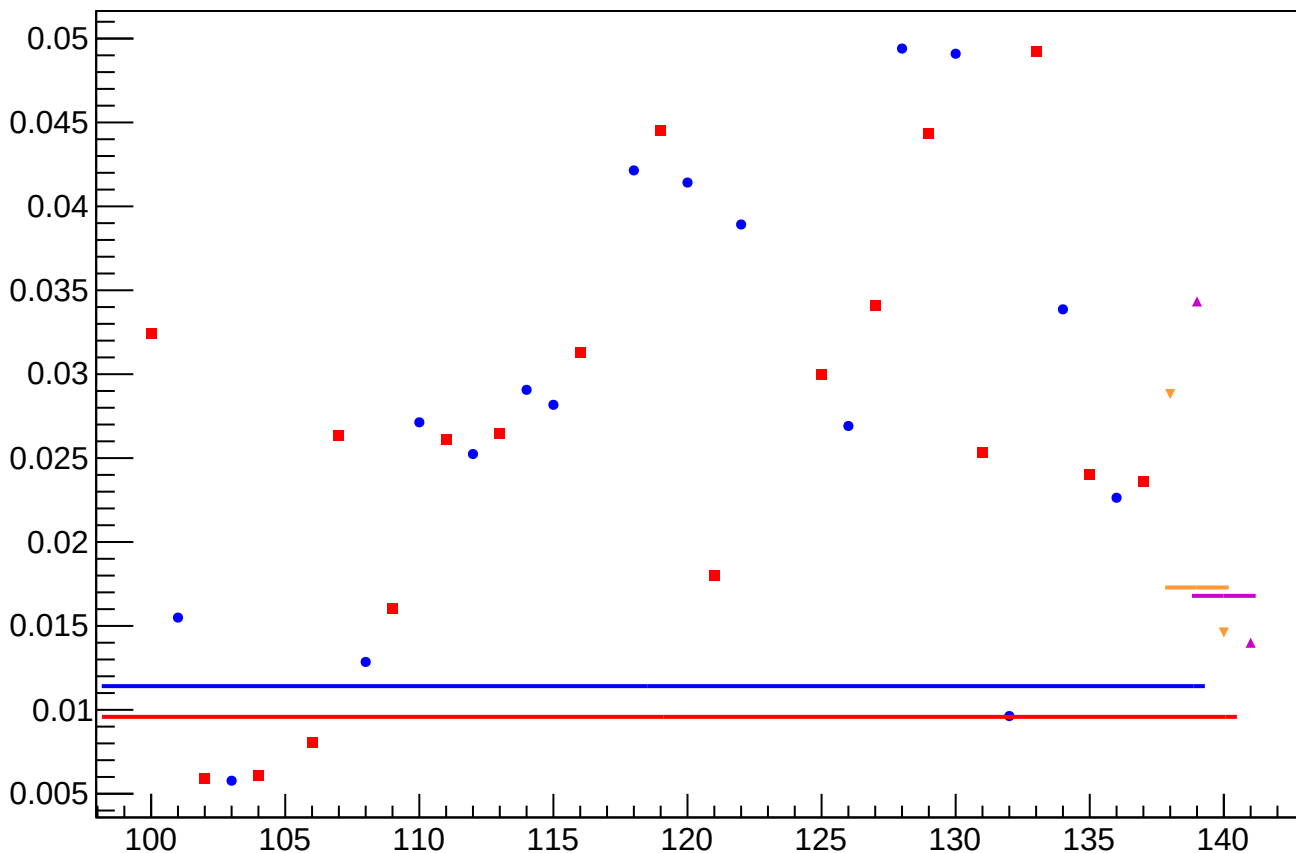
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.5/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/19

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

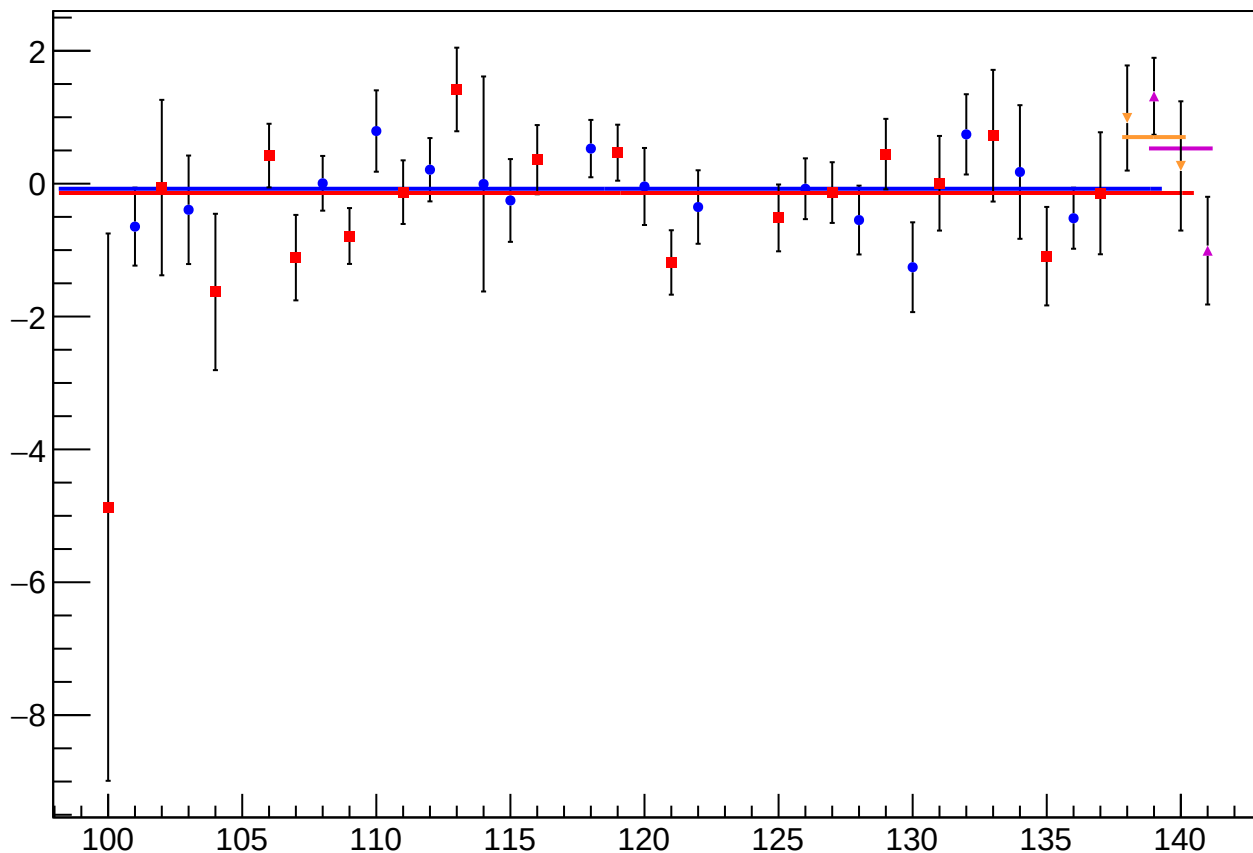
Left In: 0.017+/-0.000 χ^2/NDF : 511053.2/1

+ sign 0.012+/-0.000 χ^2/NDF : 6090767.9/17

All: 0.011+/-0.000 χ^2/NDF : 13020315.5/37

- sign 0.010+/-0.000 χ^2/NDF : 6784359.6/19

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

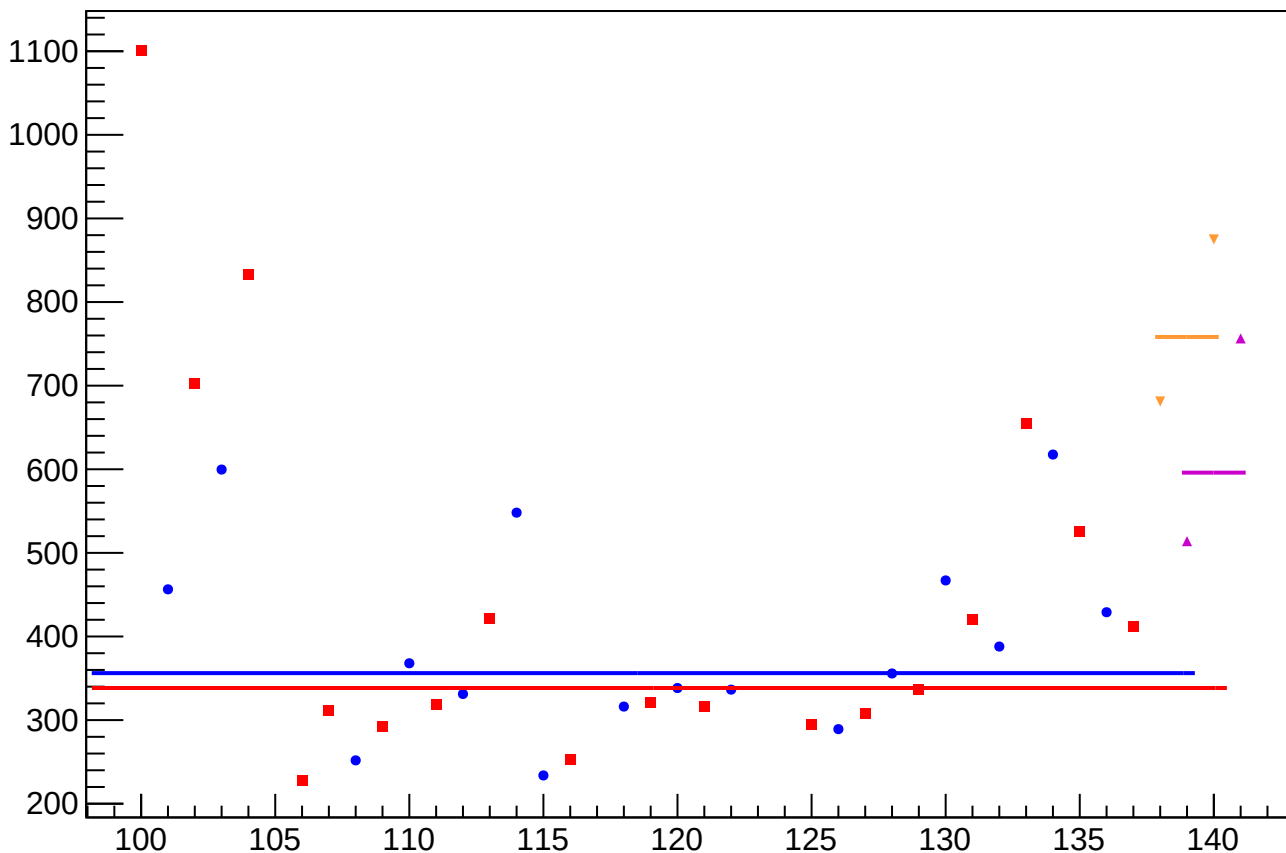
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.063 ± 0.095 χ^2/NDF : 48.7/37

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

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

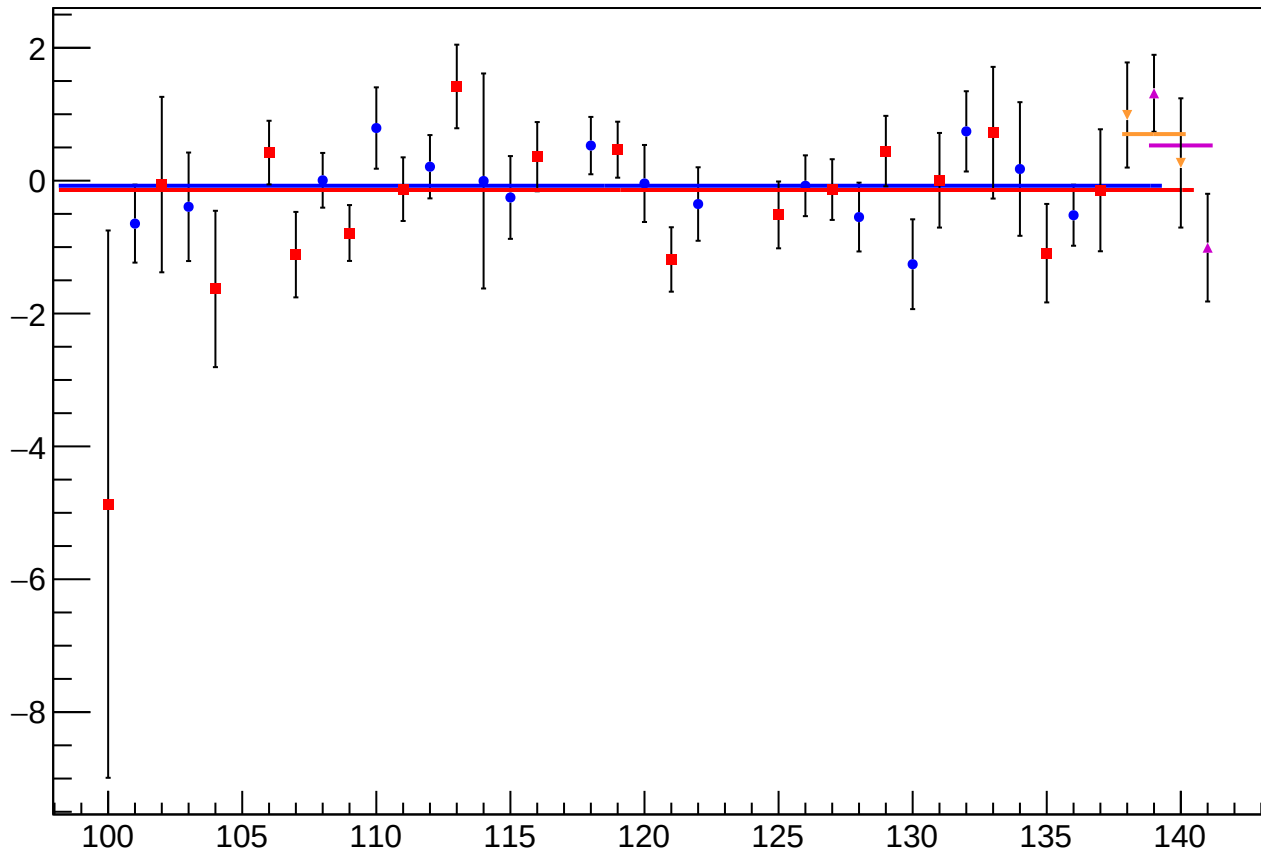
Left In: 595.963+/-0.333 χ^2/NDF : 118497.3/1

+ sign 376.040+/-0.096 χ^2/NDF : 1648467.0/17

All: 367.136+/-0.067 χ^2/NDF : 3537088.7/37

- sign 358.745+/-0.094 χ^2/NDF : 1872067.4/19

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

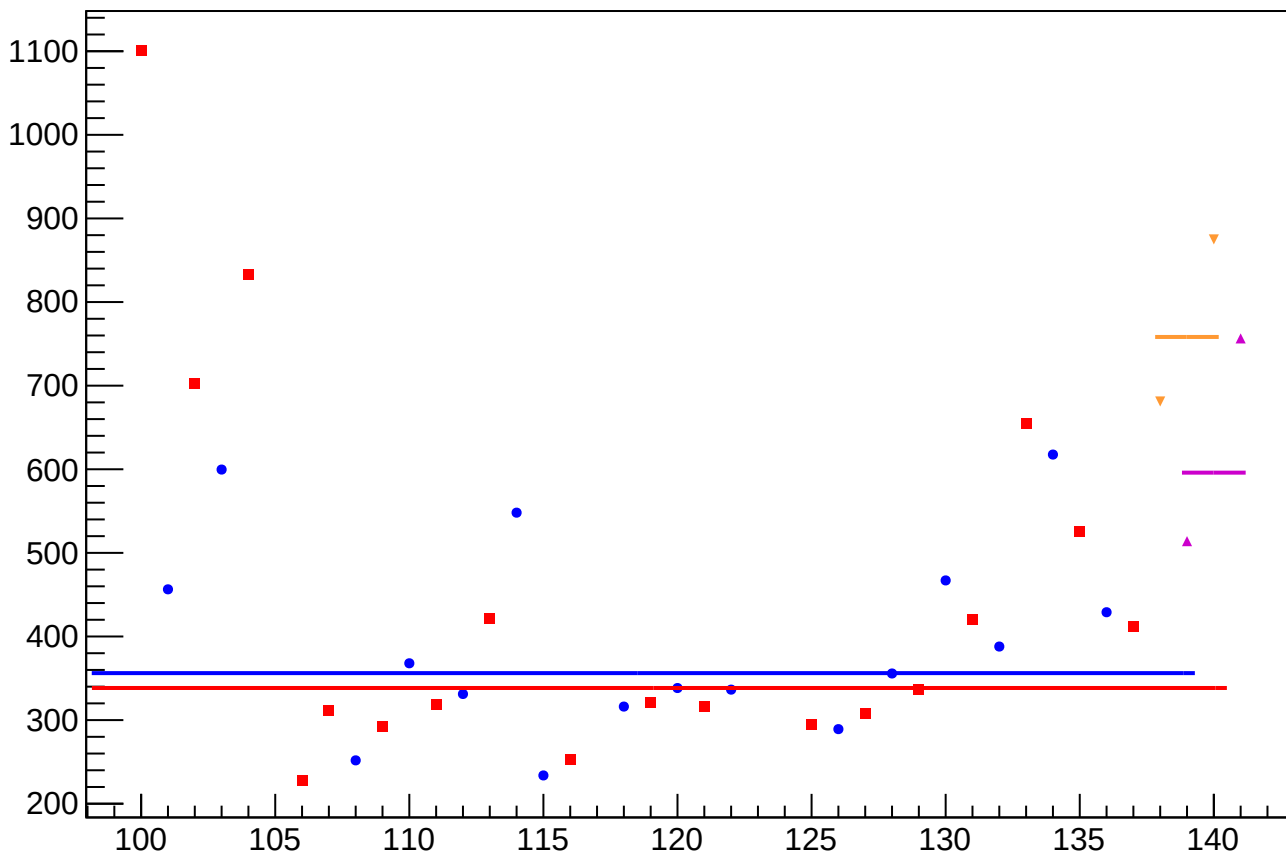
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.038 ± 0.136 χ^2/NDF : 14.4/17

All: -0.063 ± 0.095 χ^2/NDF : 48.7/37

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_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

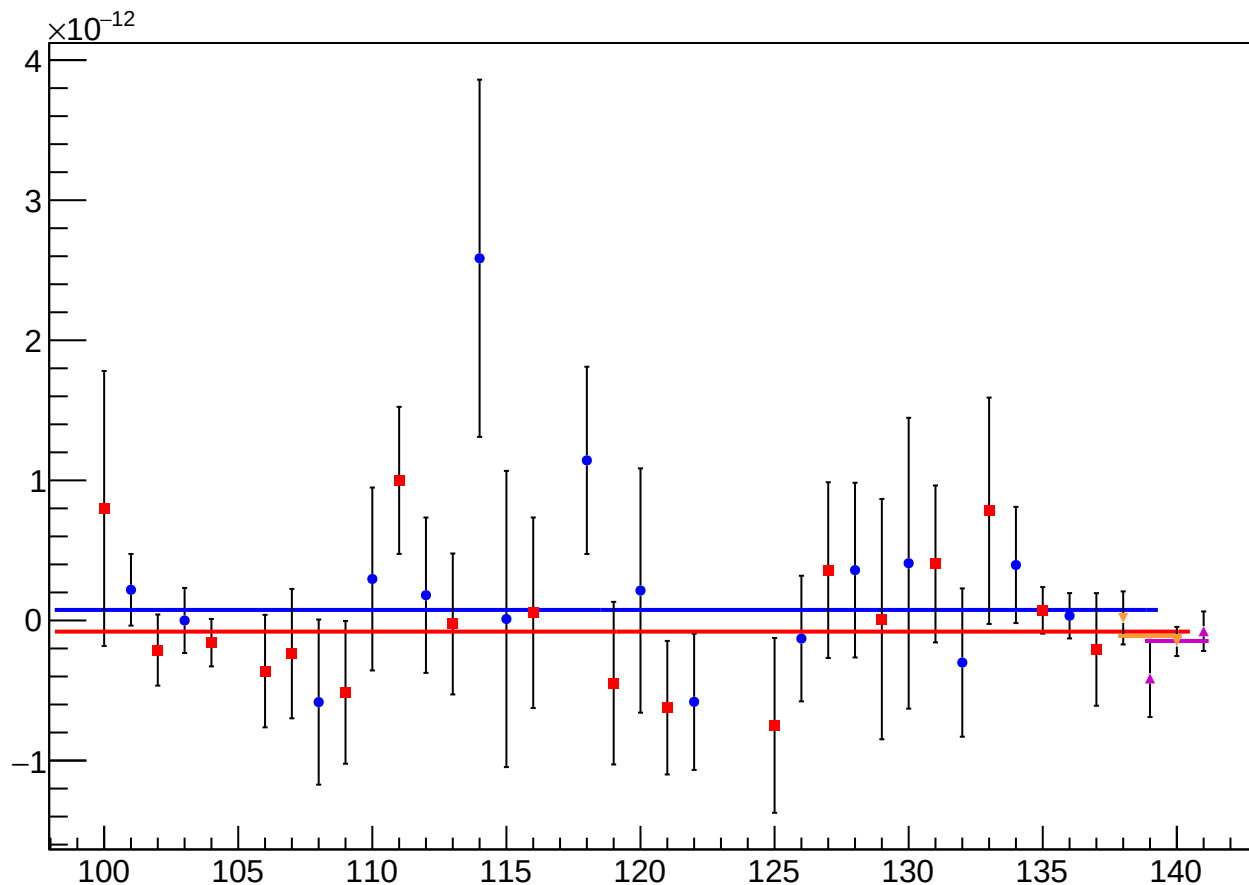
Left In: 595.963+/-0.333 χ^2/NDF : 118497.3/1

+ sign 376.040+/-0.096 χ^2/NDF : 1648467.0/17

All: 367.136+/-0.067 χ^2/NDF : 3537088.7/37

- sign 358.745+/-0.094 χ^2/NDF : 1872067.4/19

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

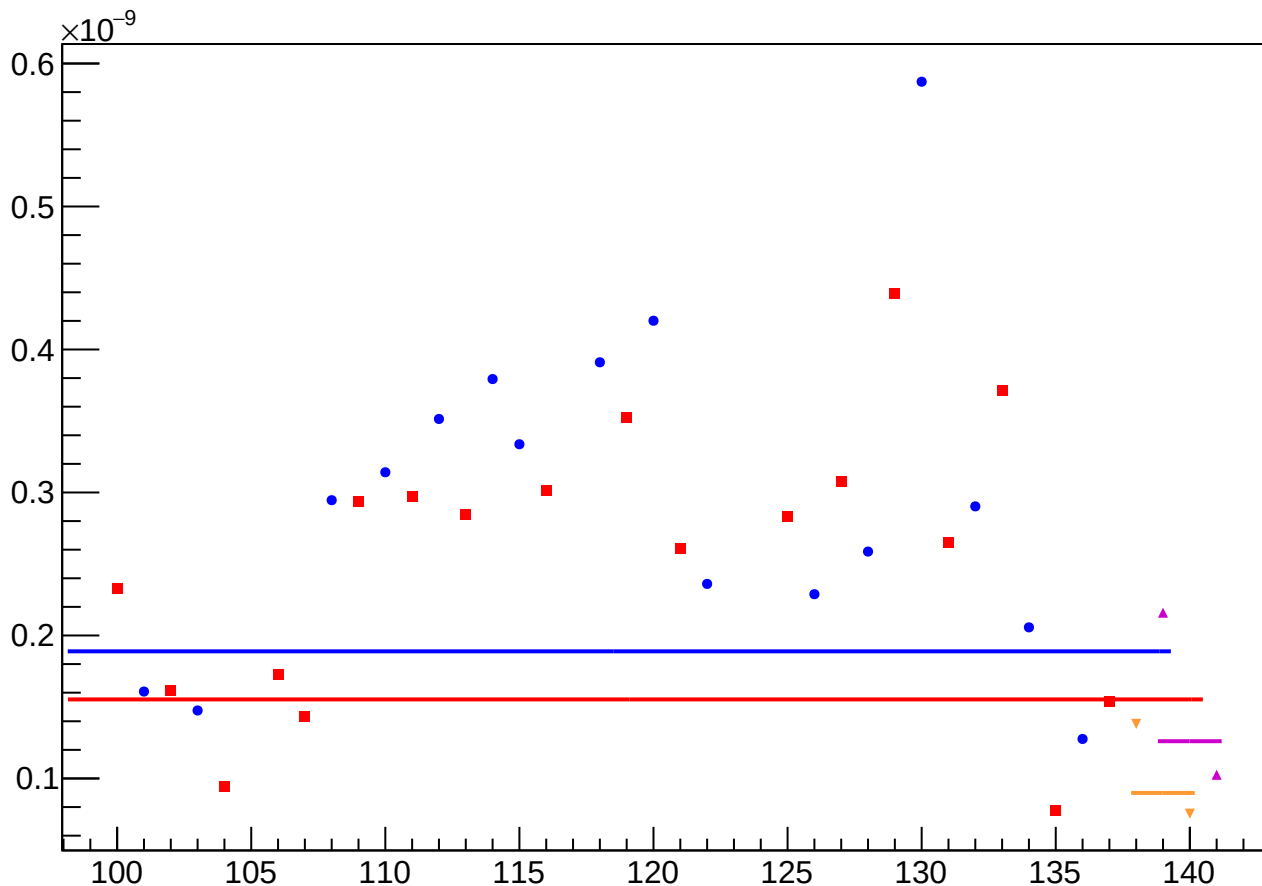
Left In: -0.000+/-0.000 χ^2/NDF : 1.2/1

+ sign -0.000+/-0.000 χ^2/NDF : 14.4/17

All: -0.000+/-0.000 χ^2/NDF : 29.5/37

- sign -0.000+/-0.000 χ^2/NDF : 14.5/19

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

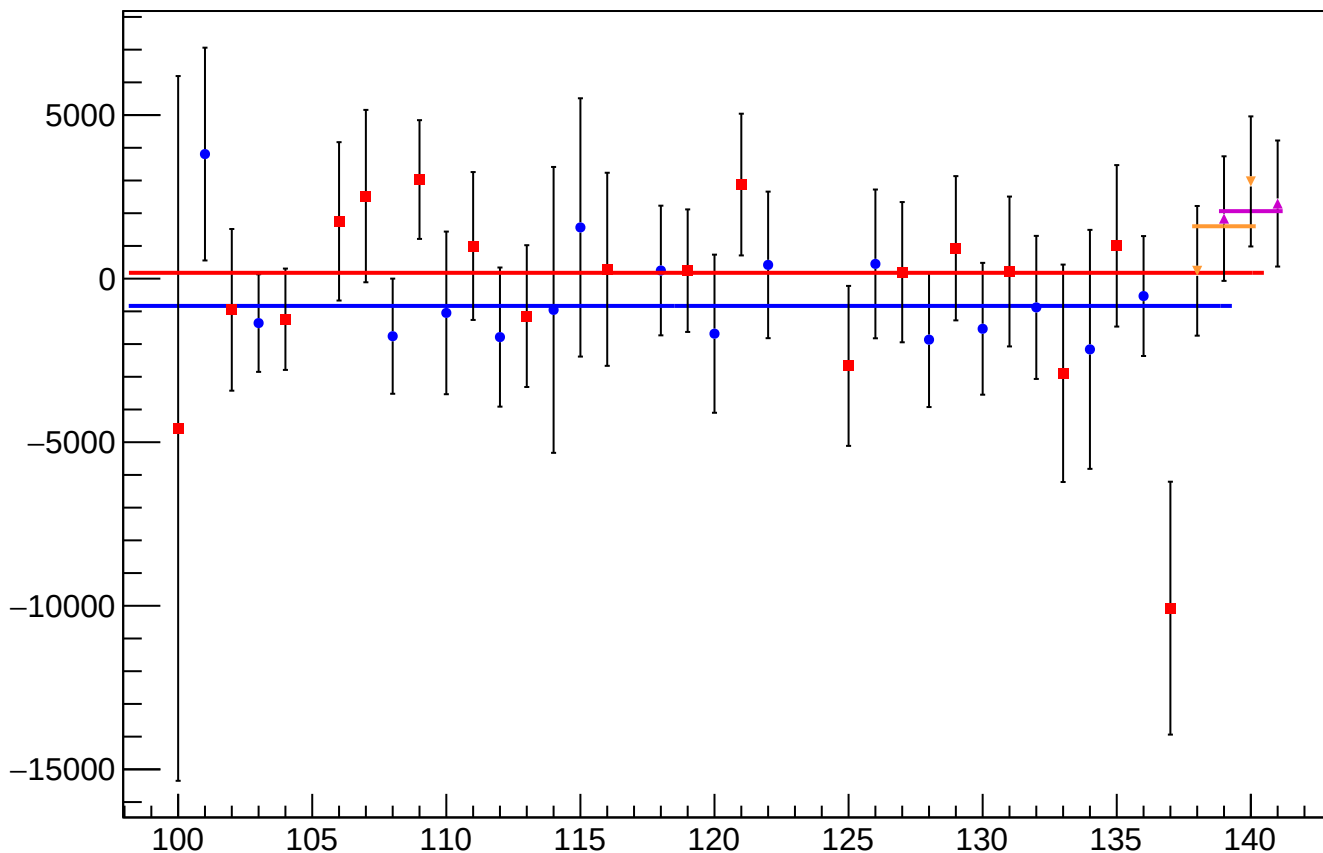
Left In: 0.000+/-0.000 χ^2/NDF : 267922.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2804743.8/17

All: 0.000+/-0.000 χ^2/NDF : 5366307.6/37

- sign 0.000+/-0.000 χ^2/NDF : 2542678.9/19

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF : 4.6/15

Left Out: 1601.407+/-1403.711 χ^2/NDF : 0.9/1

Right Out: 178.292+/-547.824 χ^2/NDF : 16.5/17

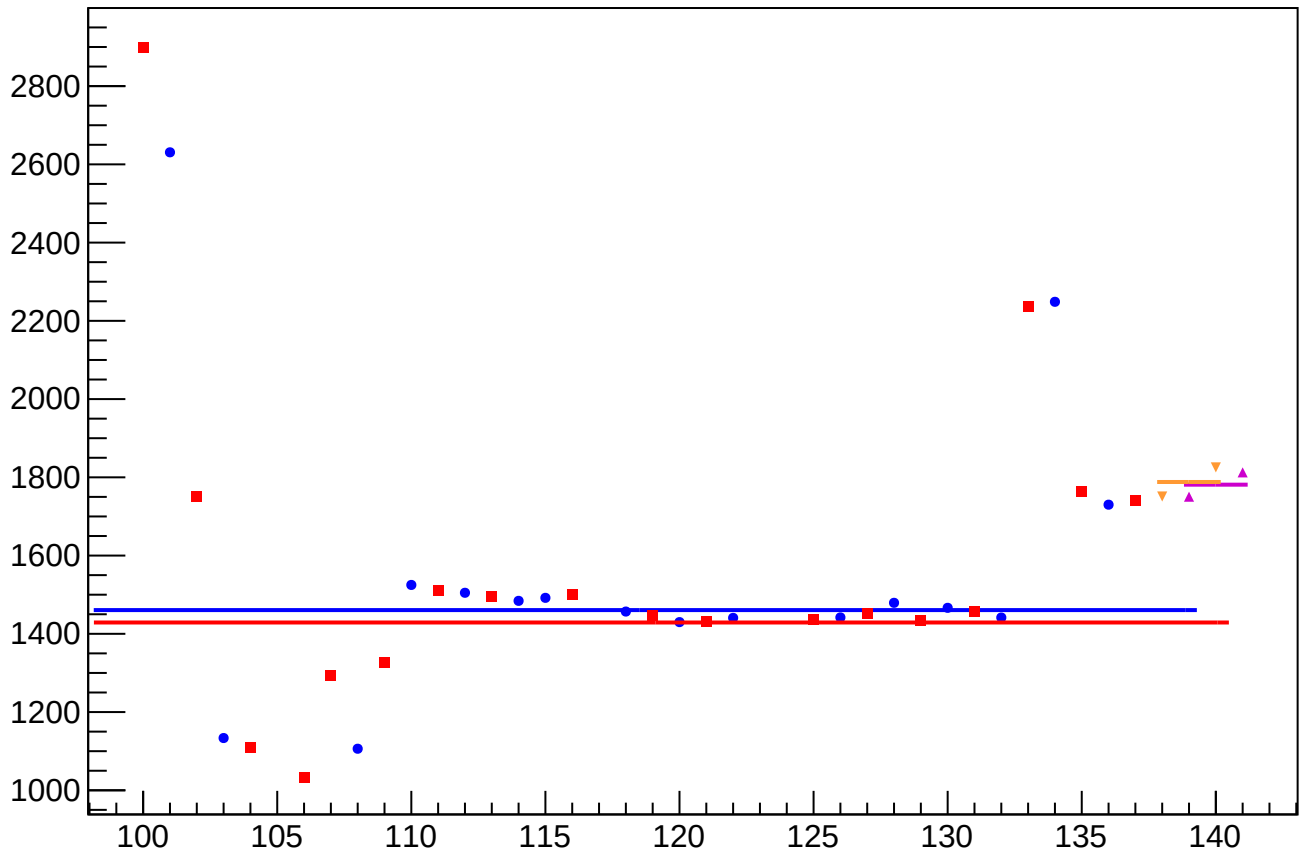
Left In: 2063.278+/-1354.289 χ^2/NDF : 0.0/1

+ sign -504.474+/-515.988 χ^2/NDF : 8.2/17

All: -23.023+/-361.946 χ^2/NDF : 28.0/37

- sign 443.357+/-507.848 χ^2/NDF : 18.1/19

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653 ± 0.392 $\chi^2/\text{NDF}: 575736.1/15$

Left Out: 1788.091 ± 0.993 $\chi^2/\text{NDF}: 1404.2/1$

Right Out: 1428.940 ± 0.385 $\chi^2/\text{NDF}: 411275.6/17$

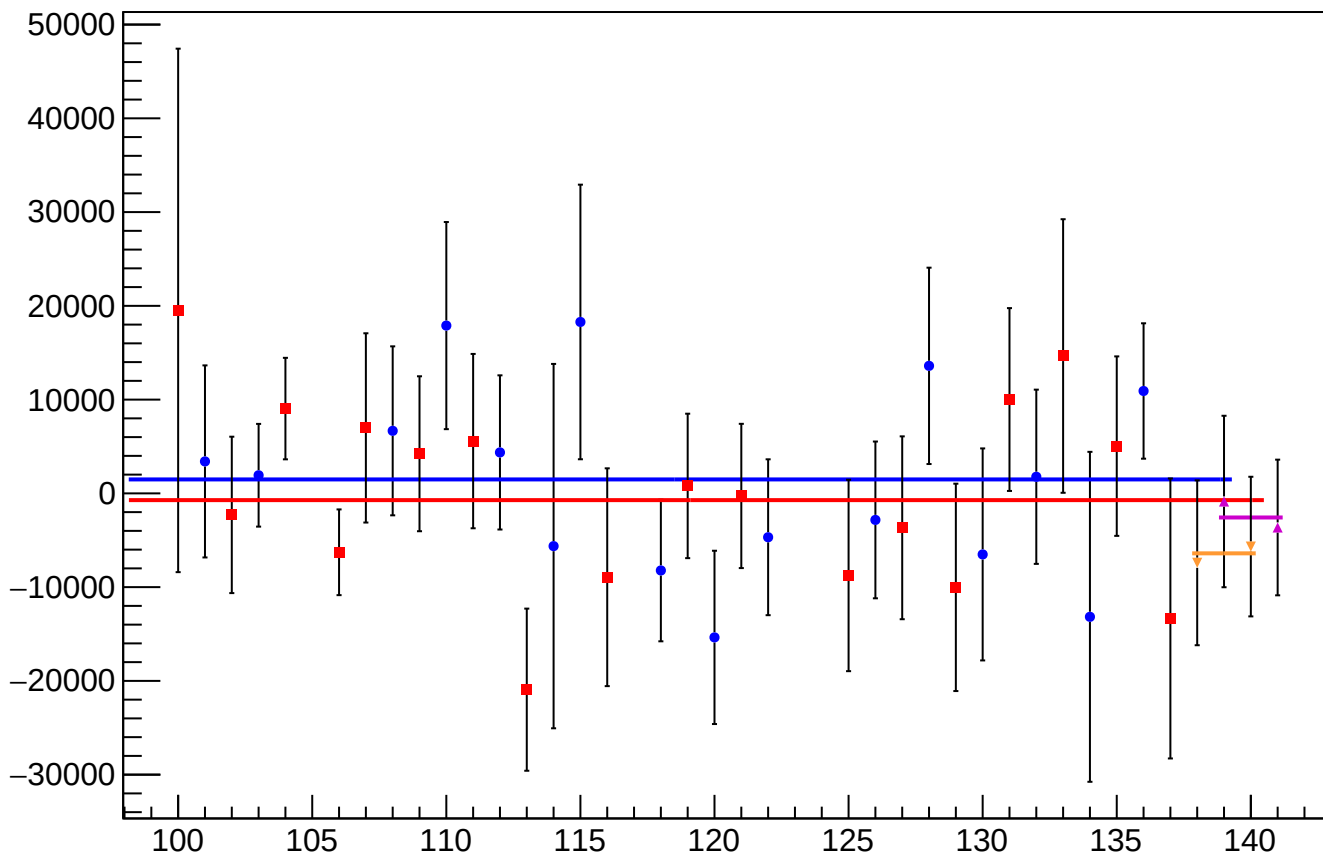
Left In: 1781.237 ± 0.958 $\chi^2/\text{NDF}: 1052.9/1$

+ sign 1504.897 ± 0.365 $\chi^2/\text{NDF}: 671261.4/17$

All: 1491.074 ± 0.255 $\chi^2/\text{NDF}: 1202947.6/37$

- sign 1477.852 ± 0.357 $\chi^2/\text{NDF}: 528877.8/19$

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

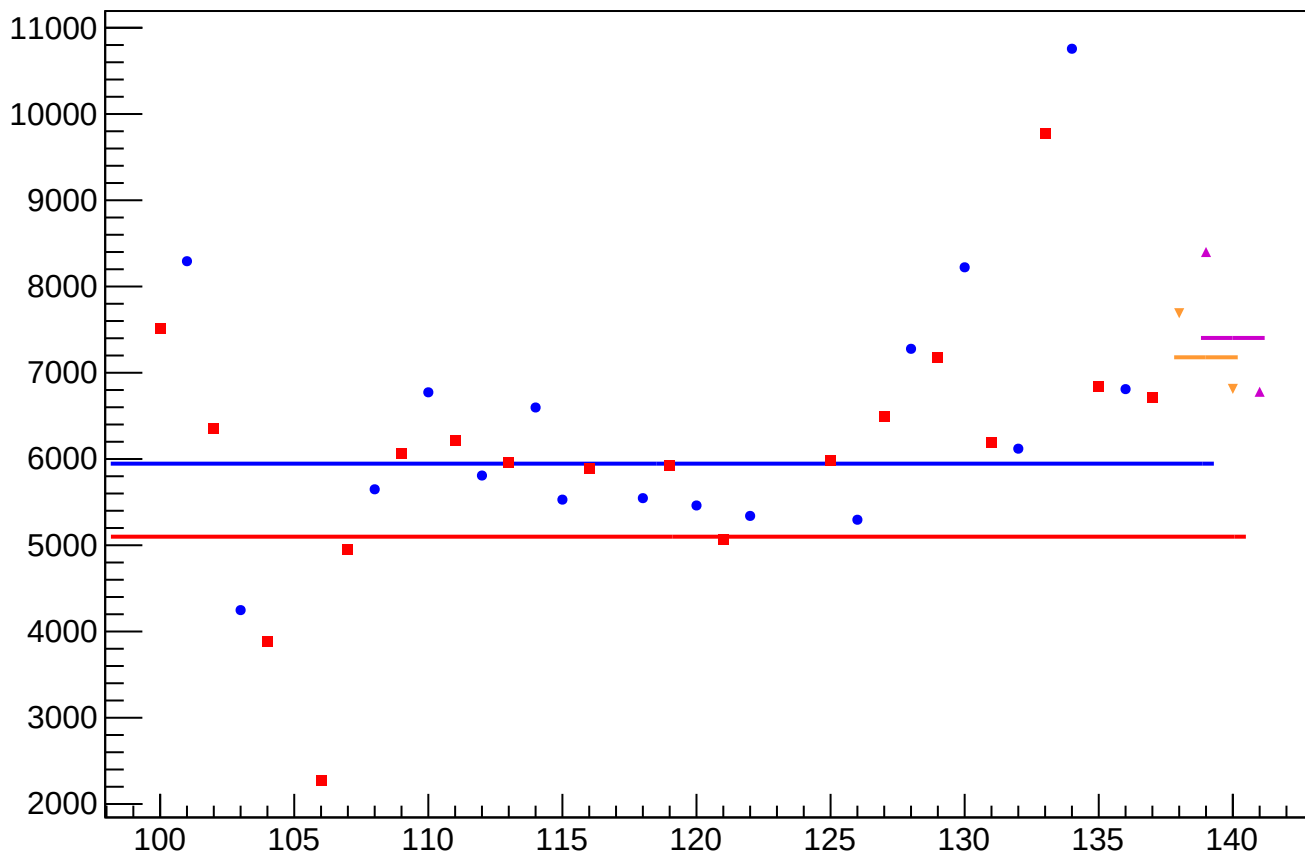
Left In: -2571.631 $\pm$ 5673.761 χ^2 /NDF: 0.1/1

+ sign 403.921 $\pm$ 2106.422 χ^2 /NDF: 15.9/17

All: -331.289 $\pm$ 1409.183 χ^2 /NDF: 33.8/37

- sign -926.903 $\pm$ 1895.929 χ^2 /NDF: 17.7/19

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

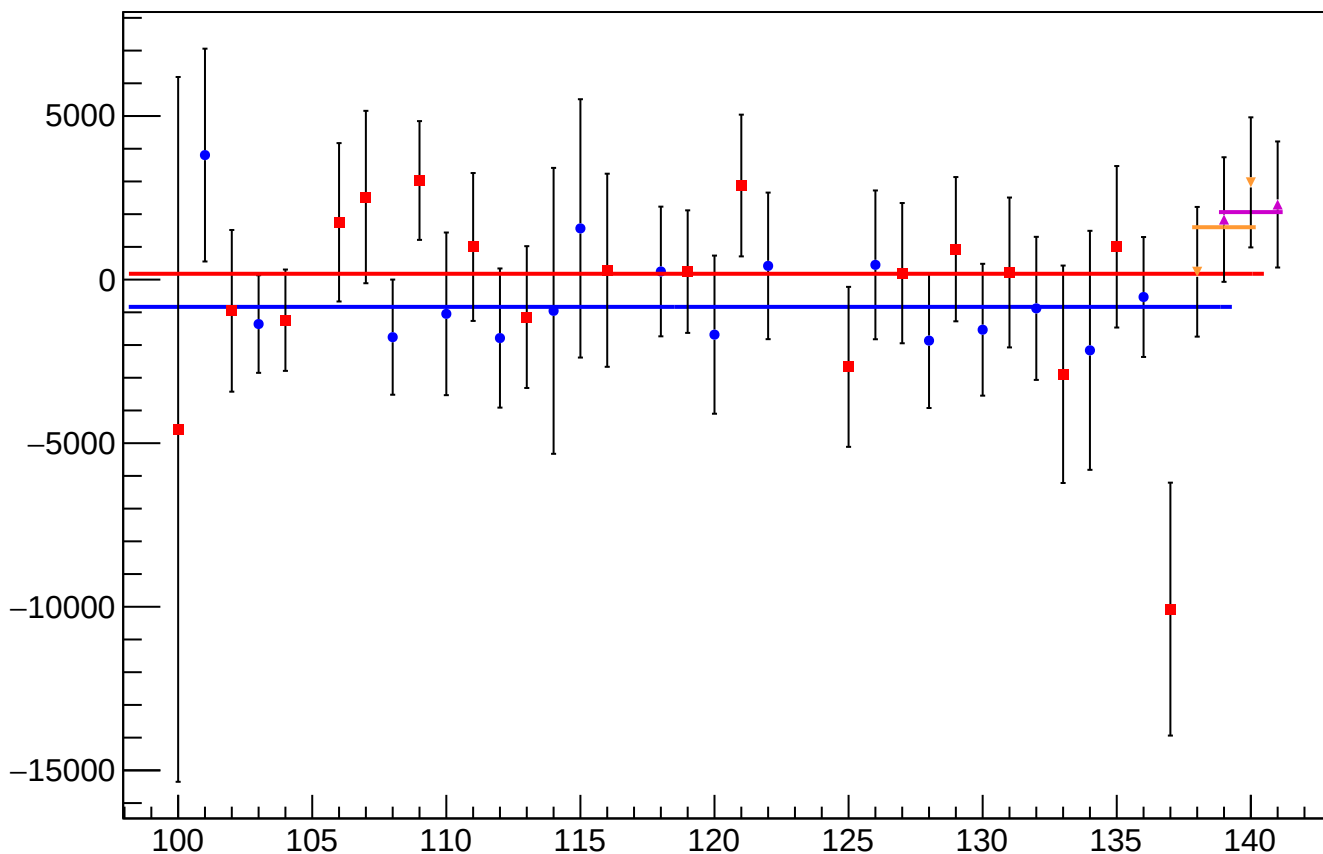
Left In: 7403.613+/-4.012 χ^2/NDF : 38623.8/1

+ sign 6115.556+/-1.489 χ^2/NDF : 733986.1/17

All: 5696.311+/-0.996 χ^2/NDF : 2689425.2/37

- sign 5356.668+/-1.341 χ^2/NDF : 1812027.3/19

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF : 4.6/15

Left Out: 1601.323+/-1403.711 χ^2/NDF : 0.9/1

Right Out: 178.133+/-547.824 χ^2/NDF : 16.5/17

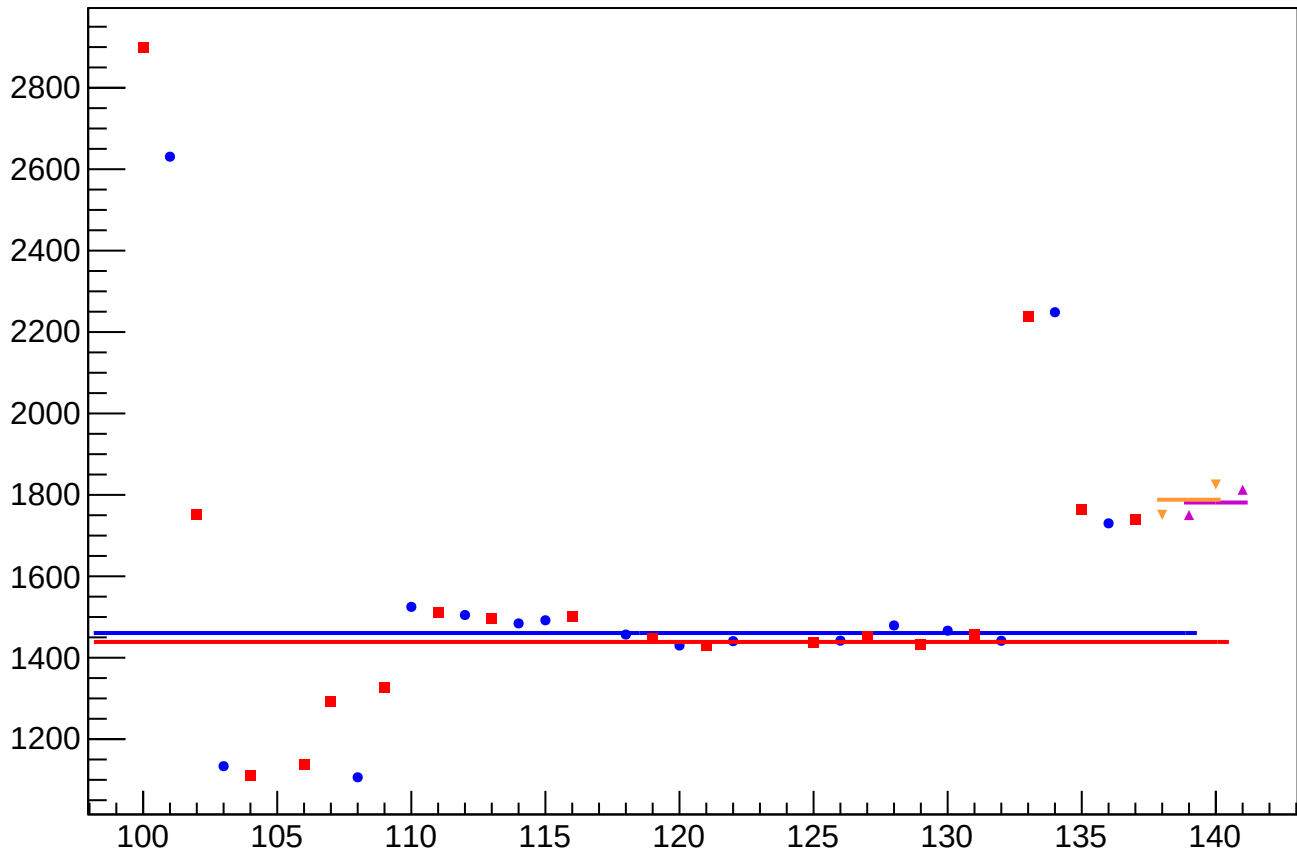
Left In: 2063.243+/-1354.289 χ^2/NDF : 0.0/1

+ sign -504.539+/-515.988 χ^2/NDF : 8.1/17

All: -23.127+/-361.946 χ^2/NDF : 28.0/37

- sign 443.215+/-507.848 χ^2/NDF : 18.1/19

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF : 575736.3/15

Left Out: 1788.091+/-0.993 χ^2/NDF : 1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF : 373375.6/17

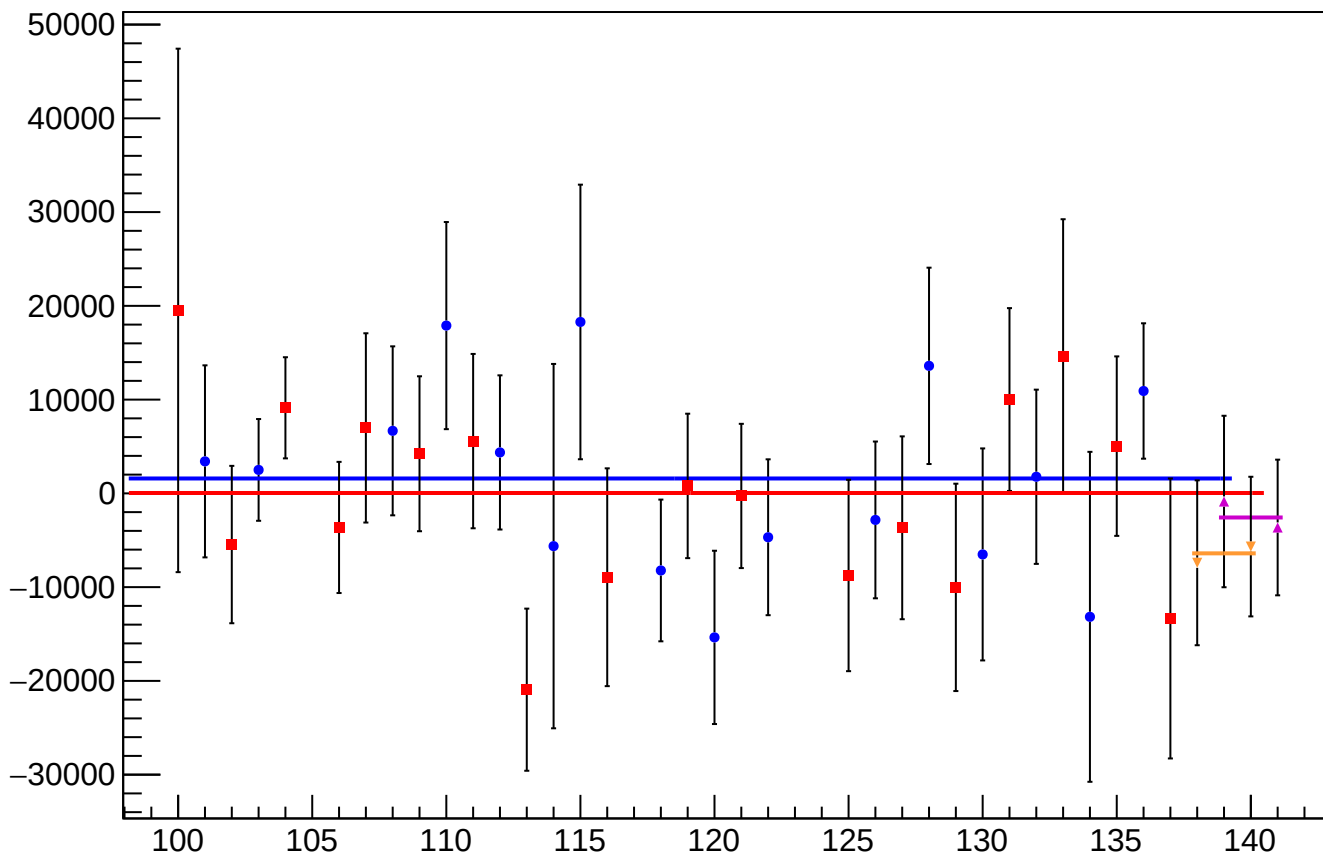
Left In: 1781.237+/-0.958 χ^2/NDF : 1052.9/1

+ sign 1504.897+/-0.365 χ^2/NDF : 671261.8/17

All: 1495.653+/-0.256 χ^2/NDF : 1156934.3/37

- sign 1486.733+/-0.358 χ^2/NDF : 484411.2/19

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

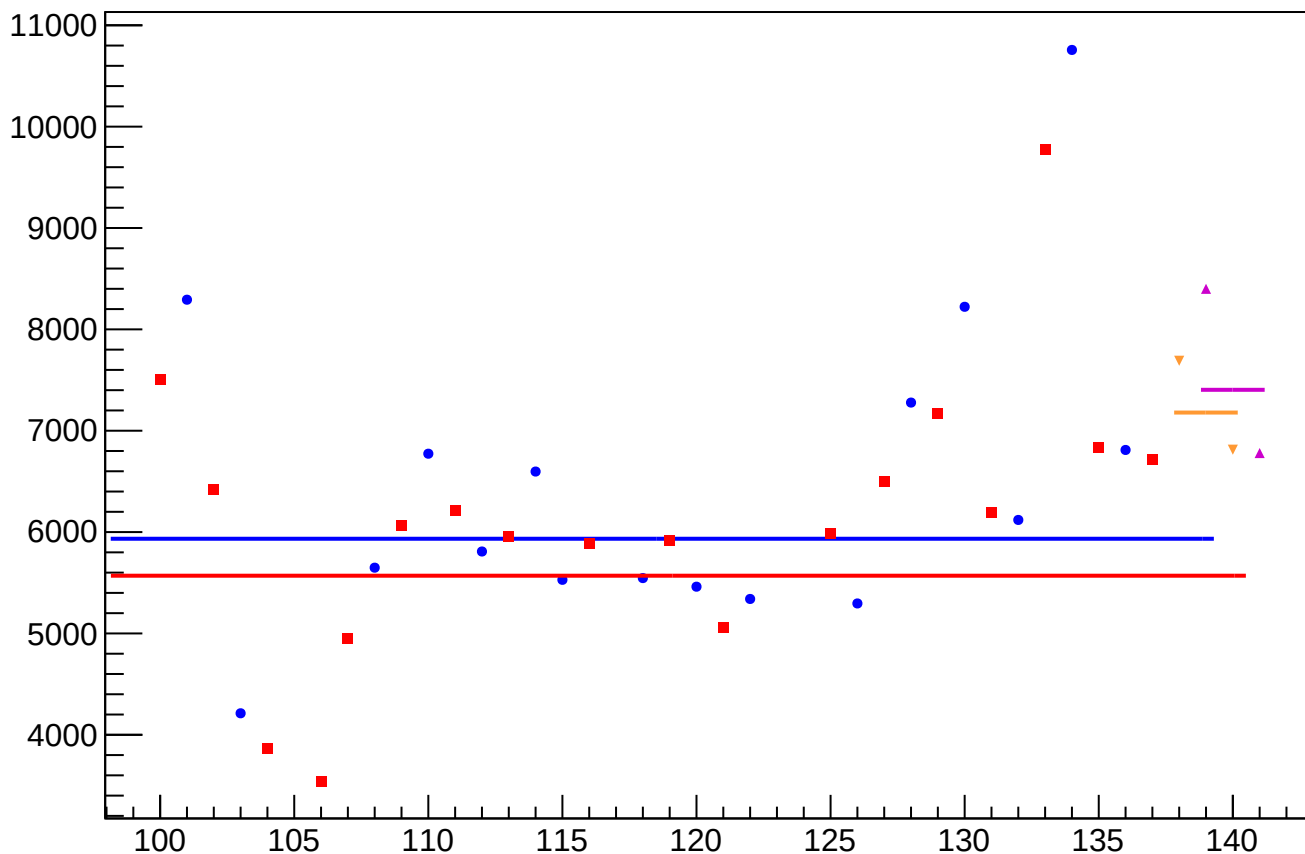
Left In: -2571.690 $\pm$ 5673.758 χ^2 /NDF: 0.1/1

+ sign 494.367 $\pm$ 2103.402 χ^2 /NDF: 15.9/17

All: 85.525 $\pm$ 1448.096 χ^2 /NDF: 32.7/37

- sign -282.854 $\pm$ 1996.603 χ^2 /NDF: 16.7/19

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF : 653082.9/15

Left Out: 7179.242+/-4.018 χ^2/NDF : 11596.6/1

Right Out: 5569.606+/-1.508 χ^2/NDF : 724048.8/17

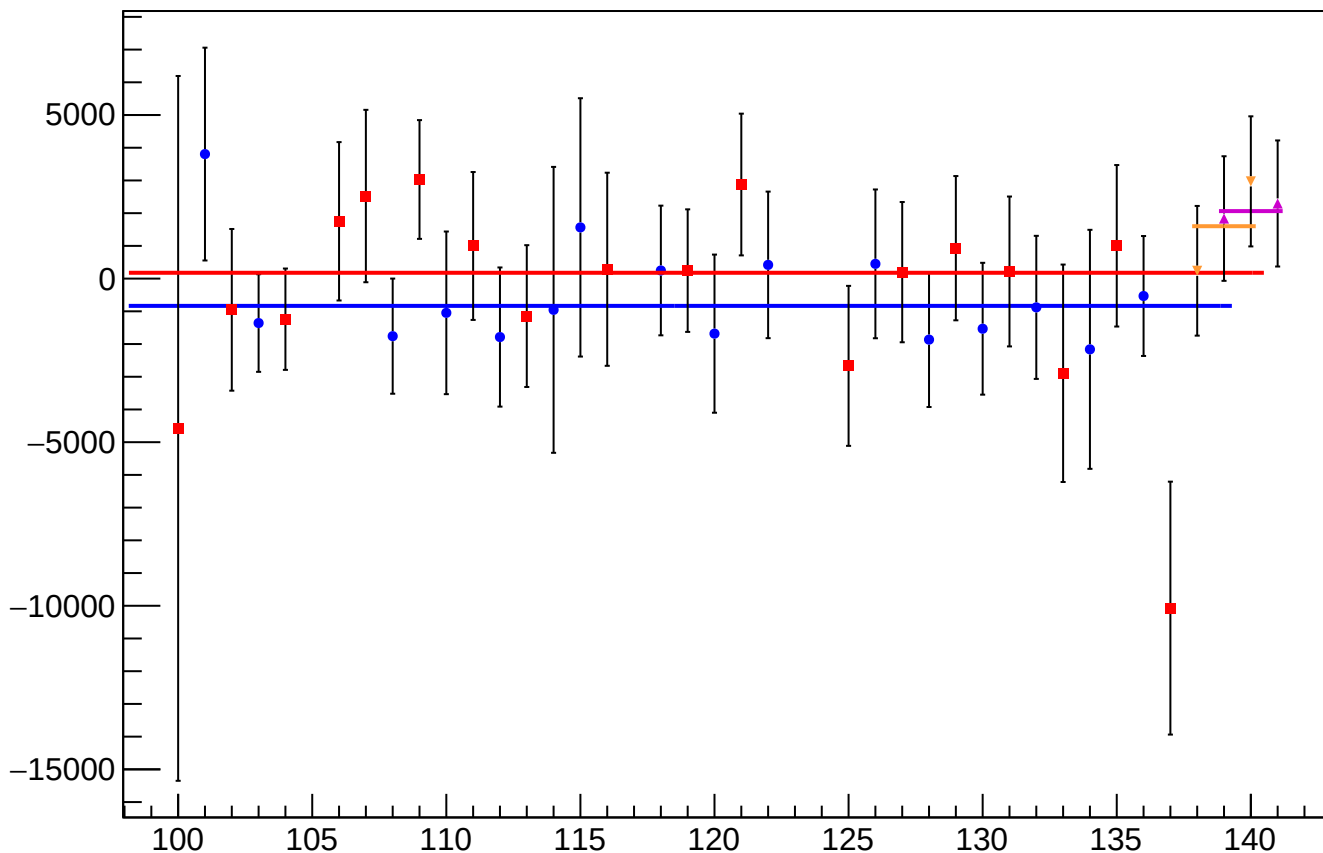
Left In: 7403.610+/-4.012 χ^2/NDF : 38623.4/1

+ sign 6104.825+/-1.487 χ^2/NDF : 747545.8/17

All: 5942.752+/-1.024 χ^2/NDF : 1715885.8/37

- sign 5796.719+/-1.412 χ^2/NDF : 945766.6/19

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF : 4.6/15

Left Out: 1601.323+/-1403.711 χ^2/NDF : 0.9/1

Right Out: 178.133+/-547.824 χ^2/NDF : 16.5/17

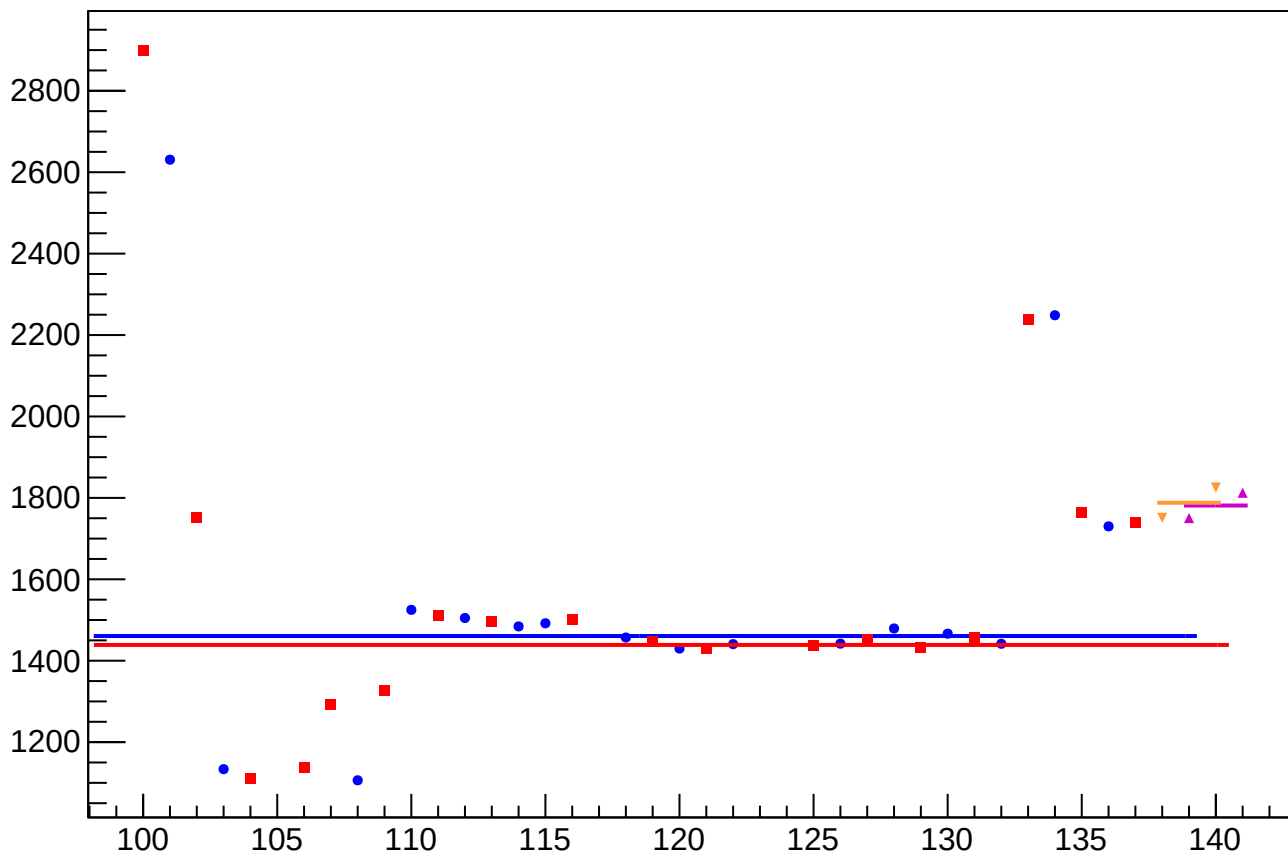
Left In: 2063.243+/-1354.289 χ^2/NDF : 0.0/1

+ sign -504.539+/-515.988 χ^2/NDF : 8.1/17

All: -23.127+/-361.946 χ^2/NDF : 28.0/37

- sign 443.215+/-507.848 χ^2/NDF : 18.1/19

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF : 575736.3/15

Left Out: 1788.091+/-0.993 χ^2/NDF : 1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF : 373375.6/17

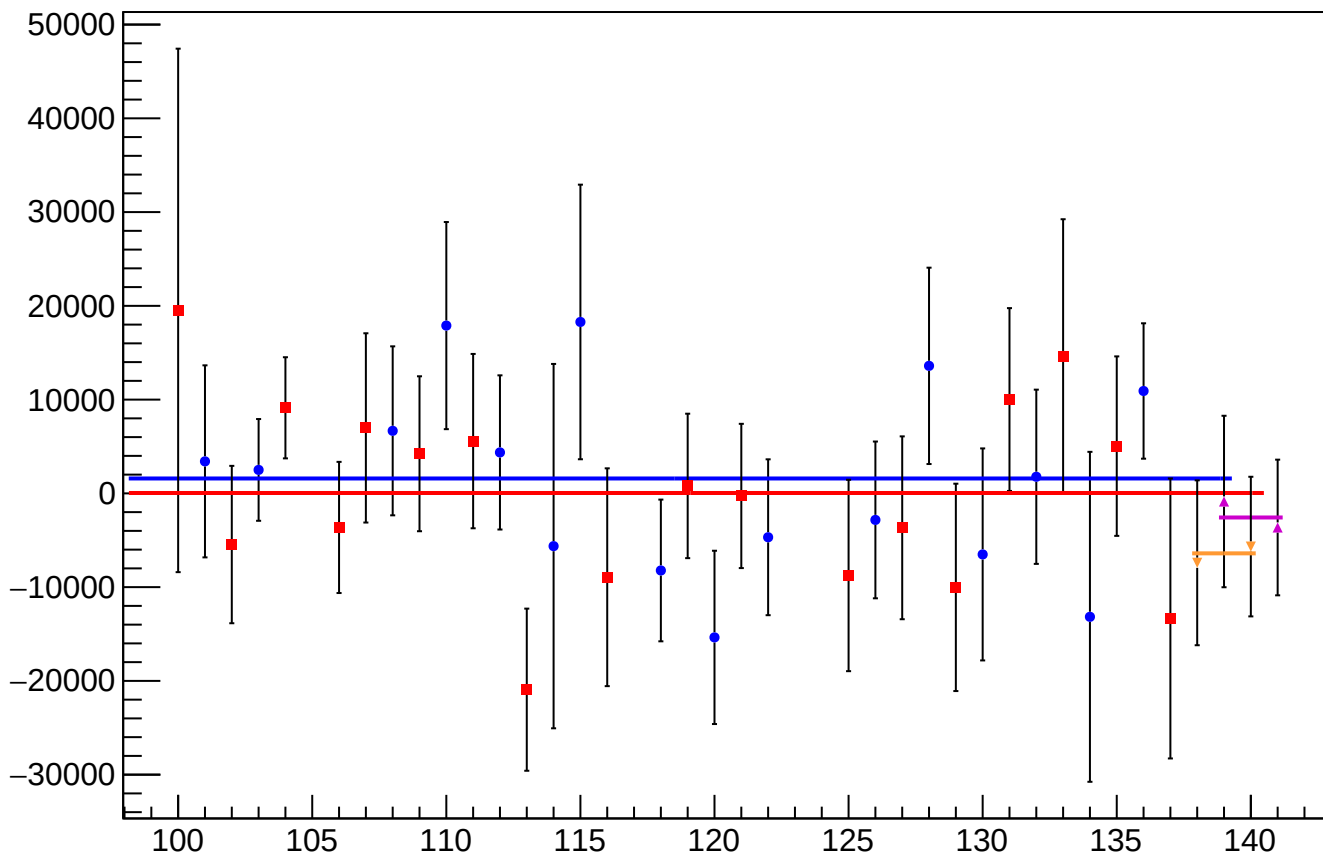
Left In: 1781.237+/-0.958 χ^2/NDF : 1052.9/1

+ sign 1504.897+/-0.365 χ^2/NDF : 671261.8/17

All: 1495.653+/-0.256 χ^2/NDF : 1156934.3/37

- sign 1486.733+/-0.358 χ^2/NDF : 484411.2/19

asym_us_avg_at2lr_avg_dd_eigen_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

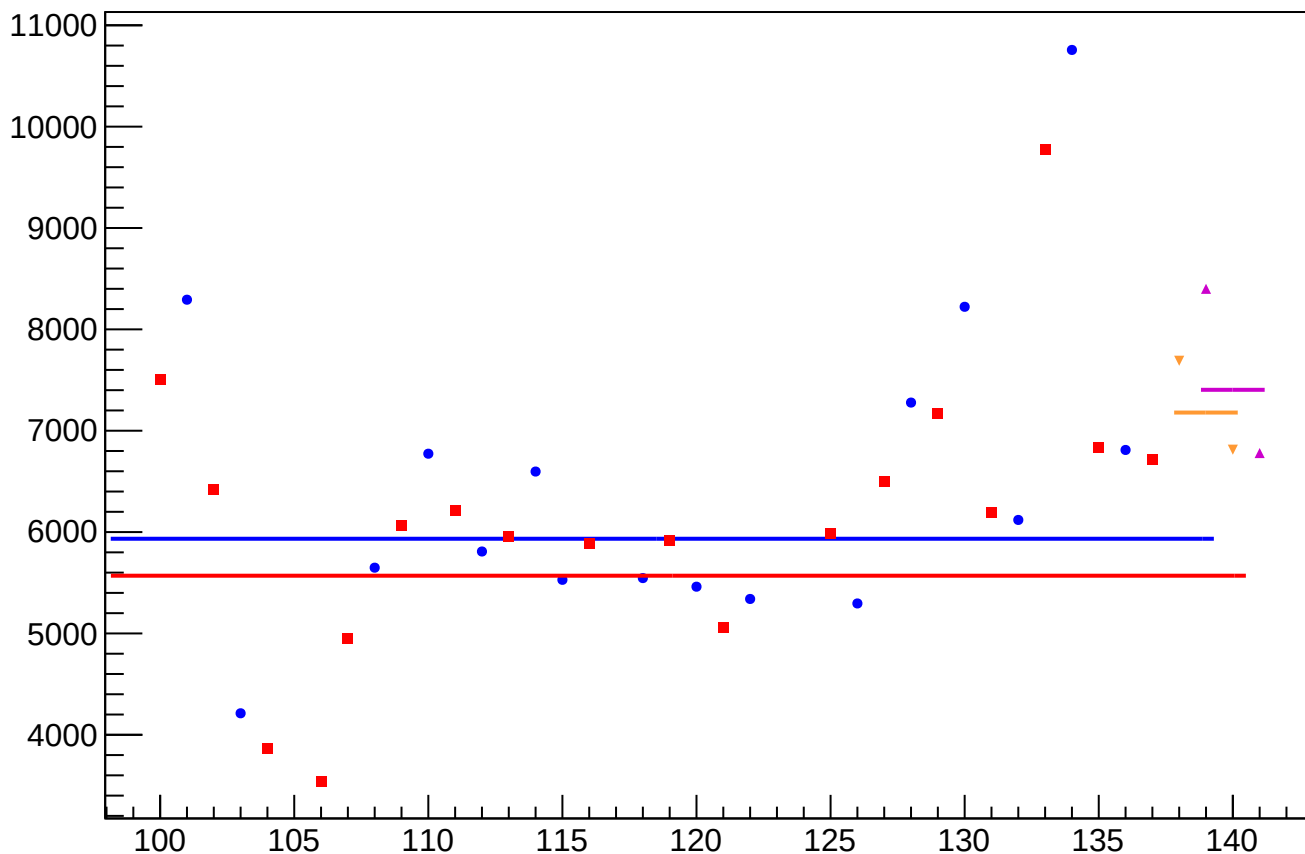
Left In: -2571.690 $\pm$ 5673.758 χ^2 /NDF: 0.1/1

+ sign 494.367 $\pm$ 2103.402 χ^2 /NDF: 15.9/17

All: 85.525 $\pm$ 1448.096 χ^2 /NDF: 32.7/37

- sign -282.854 $\pm$ 1996.603 χ^2 /NDF: 16.7/19

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

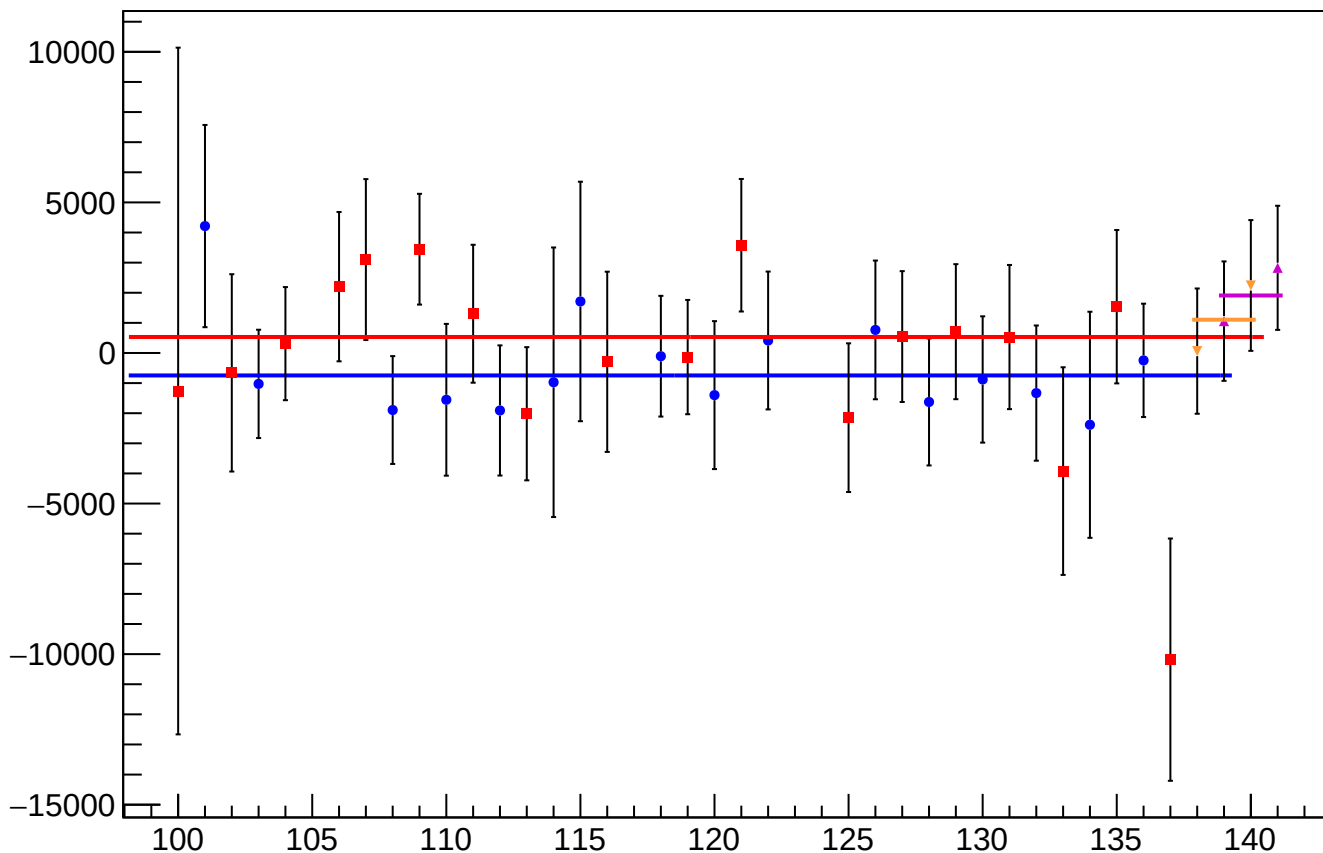
Left In: 7403.610+/-4.012 χ^2/NDF : 38623.4/1

+ sign 6104.825+/-1.487 χ^2/NDF : 747545.8/17

All: 5942.752+/-1.024 χ^2/NDF : 1715885.8/37

- sign 5796.719+/-1.412 χ^2/NDF : 945766.6/19

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914 ± 578.071 χ^2/NDF : 4.8/15

Left Out: 1105.193 ± 1501.976 χ^2/NDF : 0.5/1

Right Out: 531.292 ± 575.115 χ^2/NDF : 17.7/17

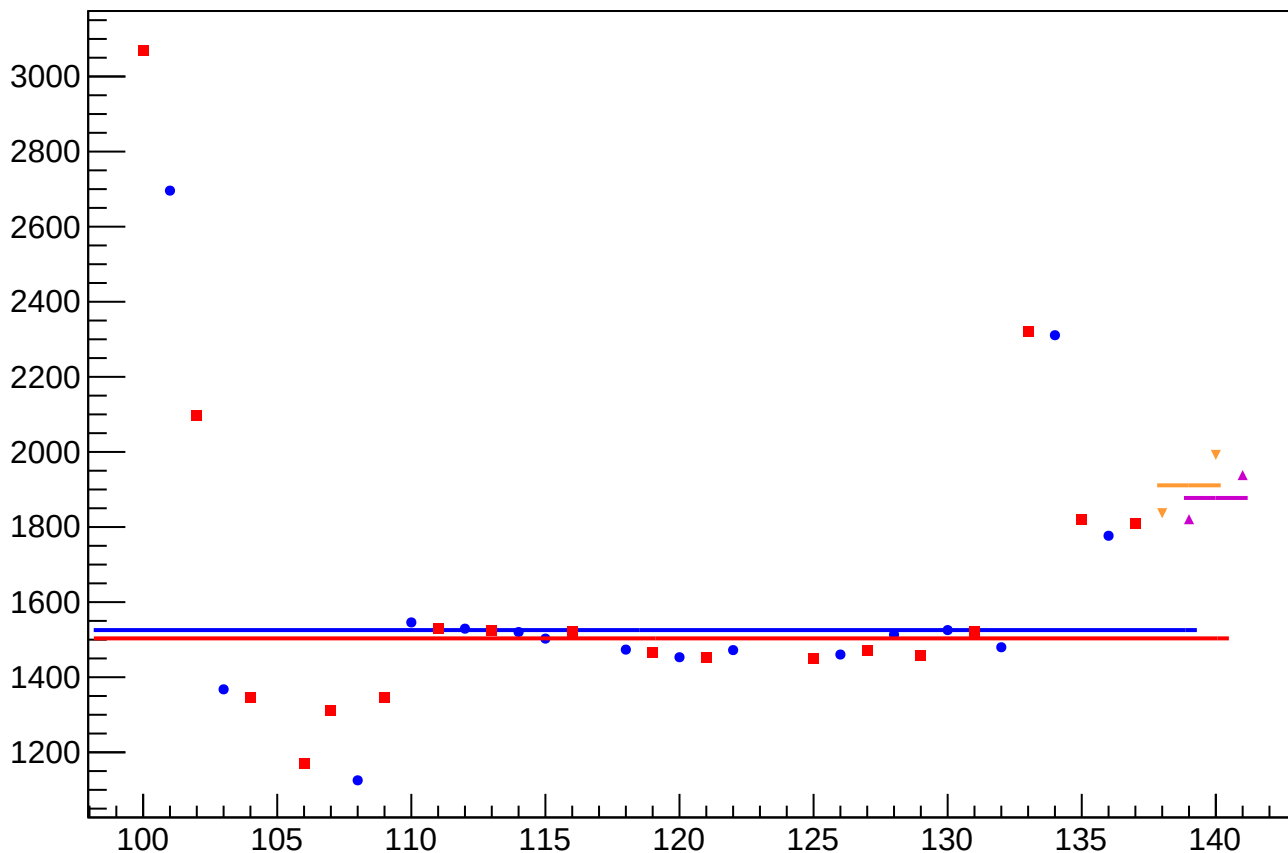
Left In: 1909.047 ± 1428.797 χ^2/NDF : 0.4/1

+ sign -507.090 ± 539.493 χ^2/NDF : 6.6/17

All: 115.005 ± 379.349 χ^2/NDF : 28.2/37

- sign 723.392 ± 533.516 χ^2/NDF : 18.9/19

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536 $\pm$ 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

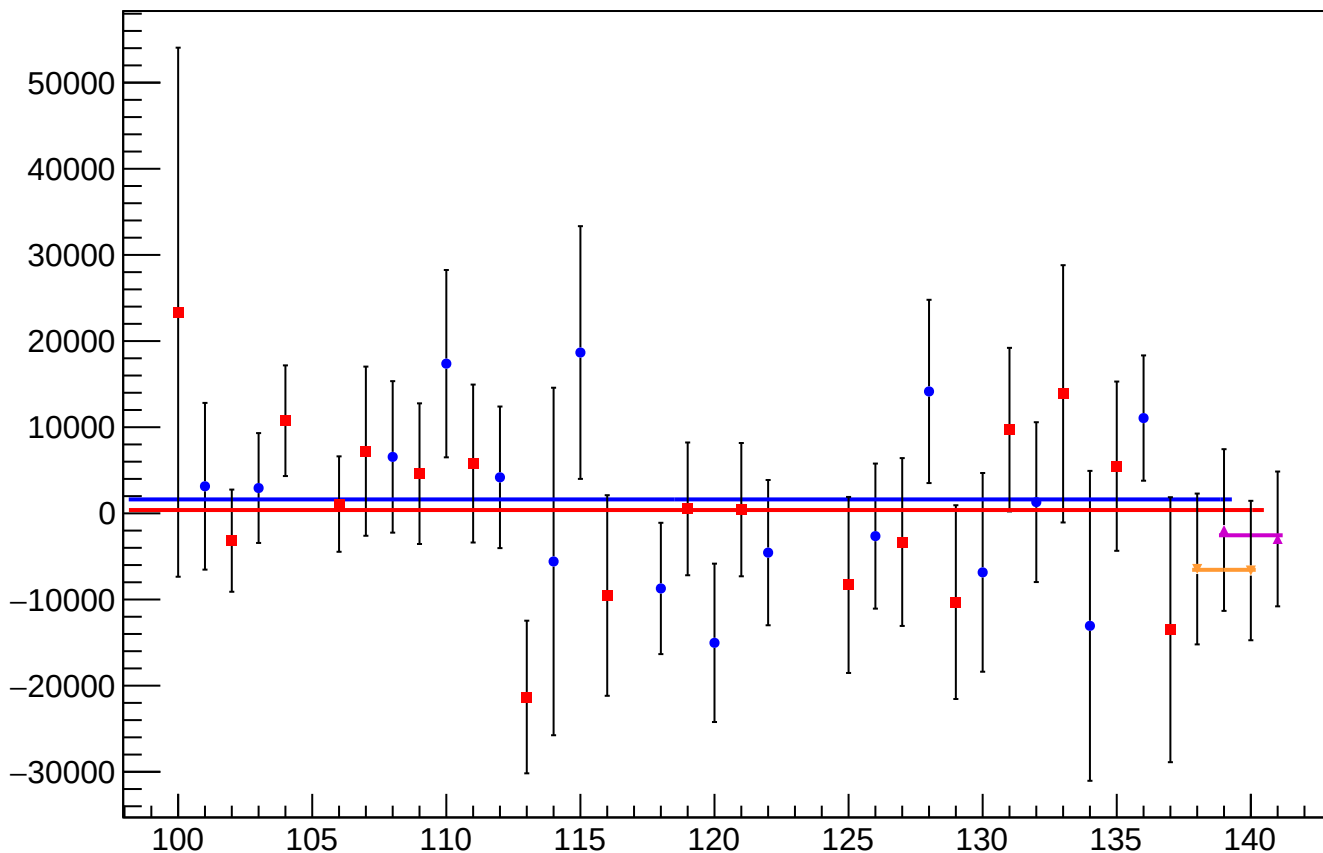
Left In: 1877.432 $\pm$ 1.010 χ^2 /NDF: 3378.3/1

+ sign 1575.277 $\pm$ 0.381 χ^2 /NDF: 608435.6/17

All: 1565.303 $\pm$ 0.268 χ^2 /NDF: 1069609.5/37

- sign 1555.555 $\pm$ 0.377 χ^2 /NDF: 459822.2/19

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

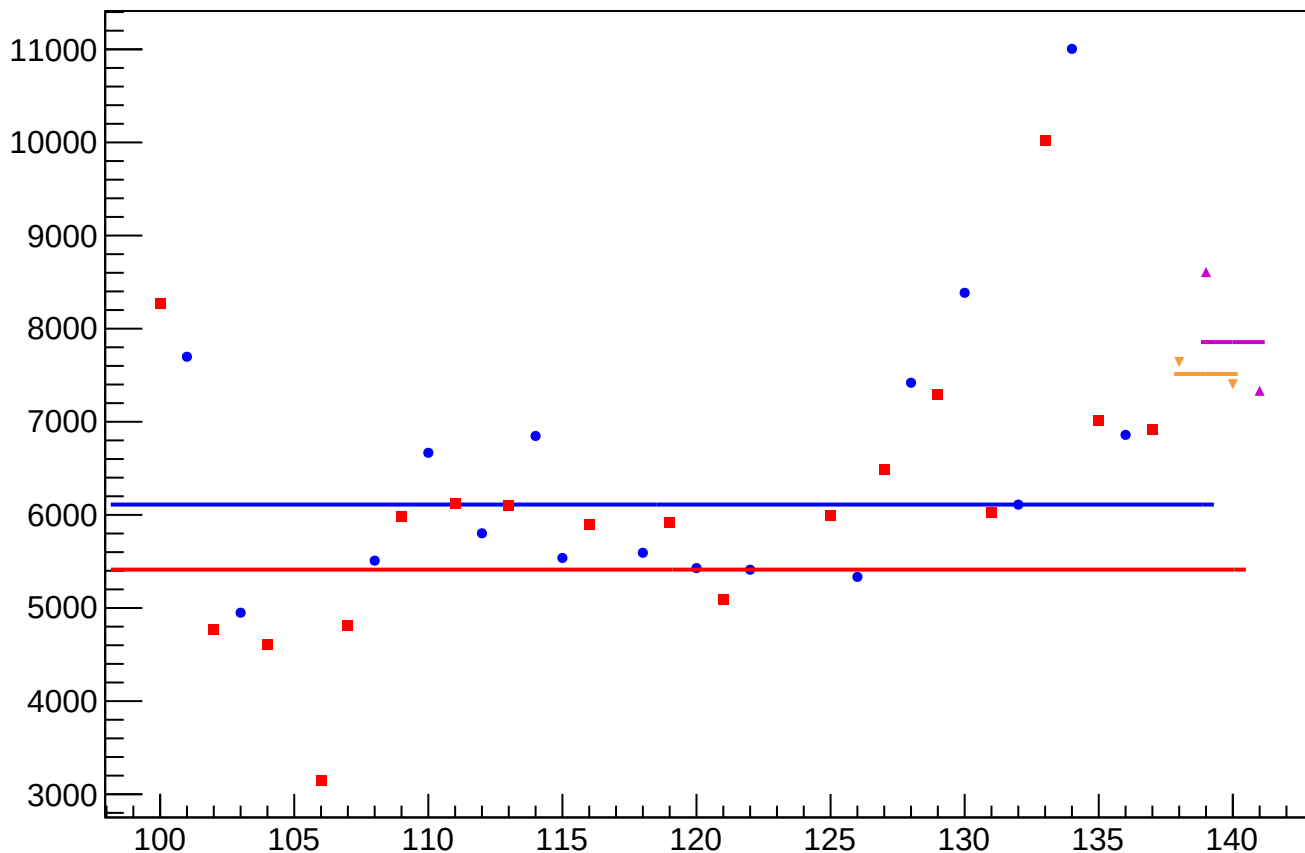
Left In: -2544.088 $\pm$ 6010.067 χ^2 /NDF:0.0/1

+ sign 538.813 $\pm$ 2161.148 χ^2 /NDF: 15.9/17

All: 284.554 $\pm$ 1447.540 χ^2 /NDF: 32.1/37

- sign 77.670 $\pm$ 1949.442 χ^2 /NDF: 16.2/19

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF : 471661.4/15

Left Out: 7512.884+/-4.202 χ^2/NDF : 804.2/1

Right Out: 5412.276+/-1.457 χ^2/NDF : 821530.3/17

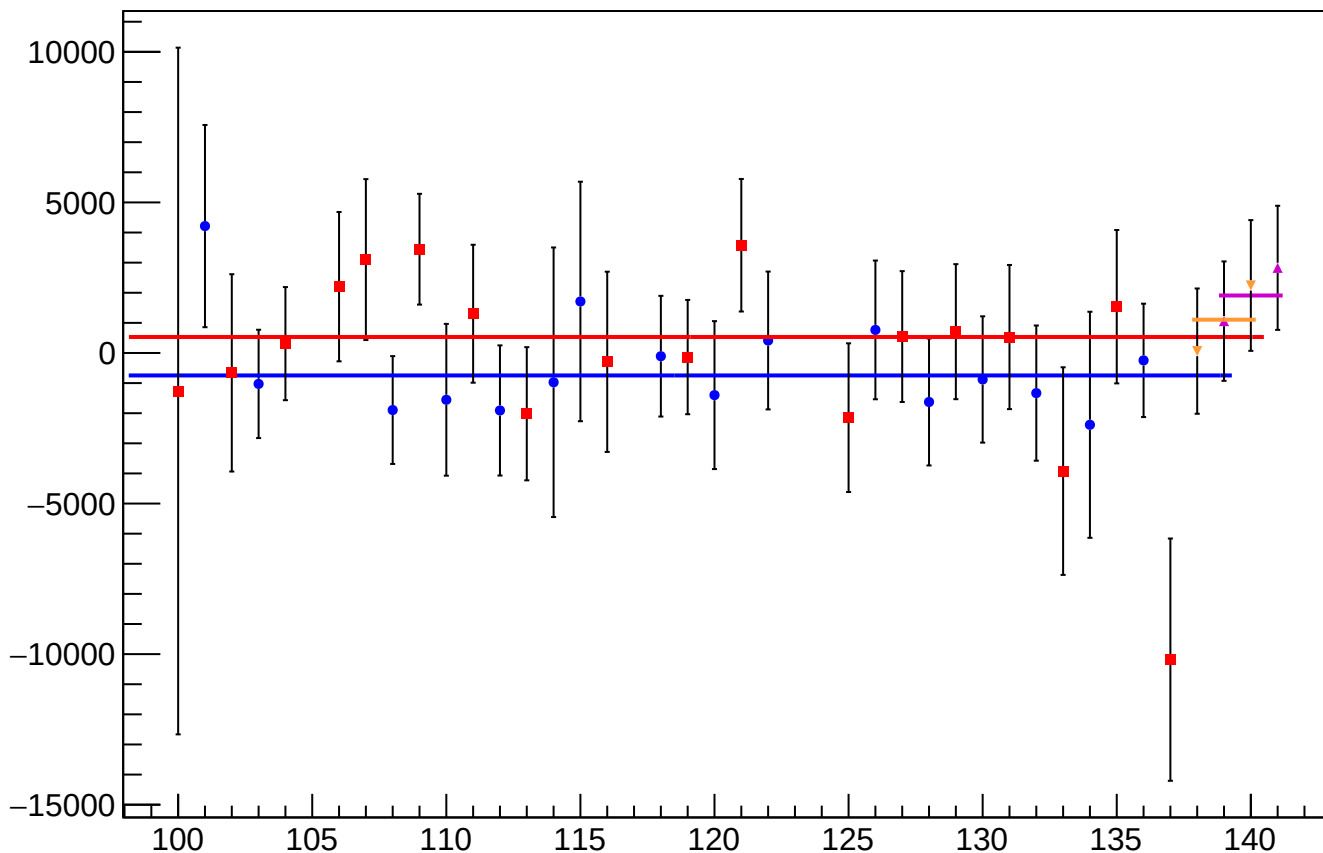
Left In: 7856.054+/-4.250 χ^2/NDF : 21792.4/1

+ sign 6296.469+/-1.528 χ^2/NDF : 569054.5/17

All: 5950.718+/-1.024 χ^2/NDF : 1801099.7/37

- sign 5669.389+/-1.378 χ^2/NDF : 1139202.7/19

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

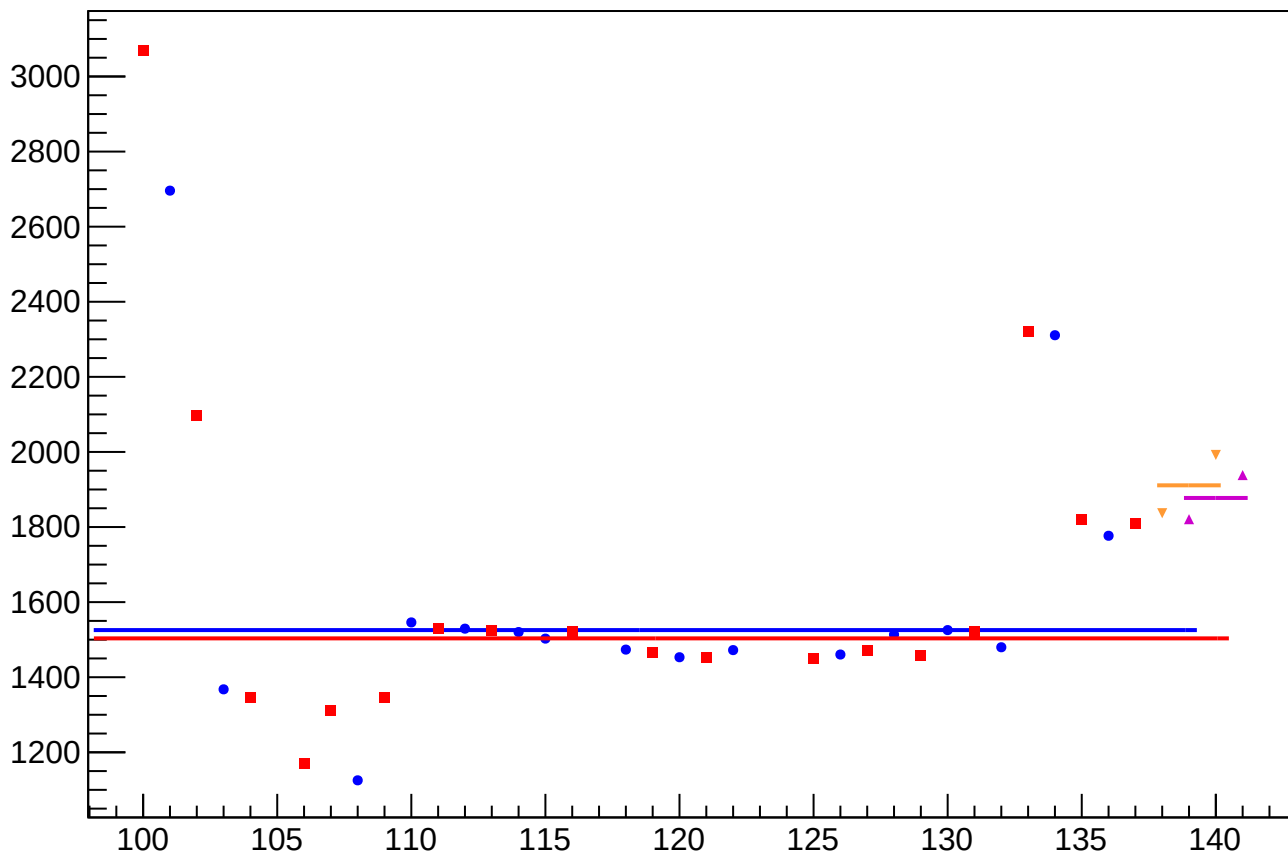
Left In: 1909.027+/-1428.798 χ^2/NDF : 0.4/1

+ sign -507.095+/-539.493 χ^2/NDF : 6.6/17

All: 115.005+/-379.349 χ^2/NDF : 28.2/37

- sign 723.397+/-533.517 χ^2/NDF : 18.9/19

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536 $\pm$ 0.409 χ^2 /NDF: 488327.8/15

Left Out: 1911.077 $\pm$ 1.062 χ^2 /NDF: 5330.8/1

Right Out: 1503.435 $\pm$ 0.407 χ^2 /NDF: 338507.7/17

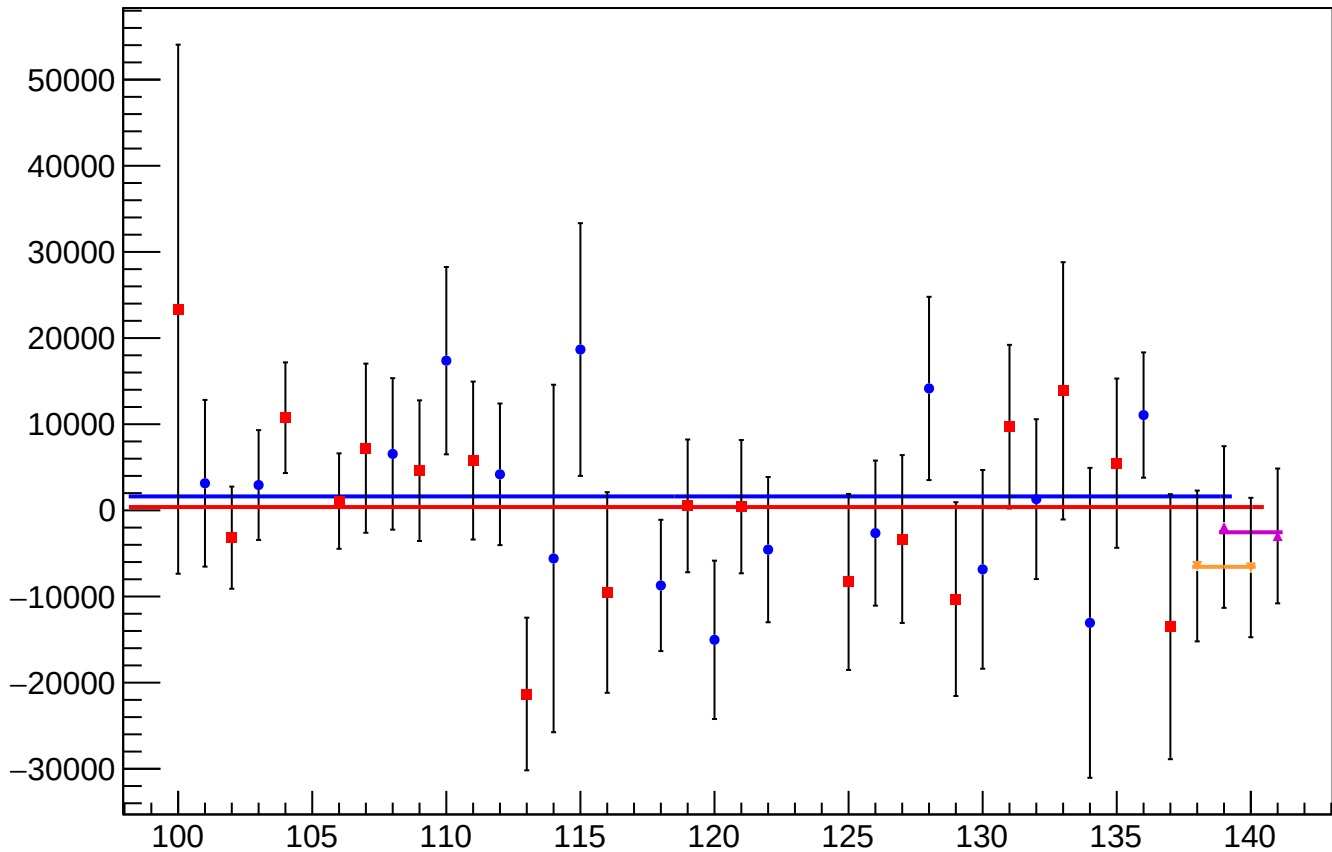
Left In: 1877.434 $\pm$ 1.010 χ^2 /NDF: 3378.1/1

+ sign 1575.277 $\pm$ 0.381 χ^2 /NDF: 608435.6/17

All: 1565.304 $\pm$ 0.268 χ^2 /NDF: 1069610.6/37

- sign 1555.555 $\pm$ 0.377 χ^2 /NDF: 459823.4/19

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

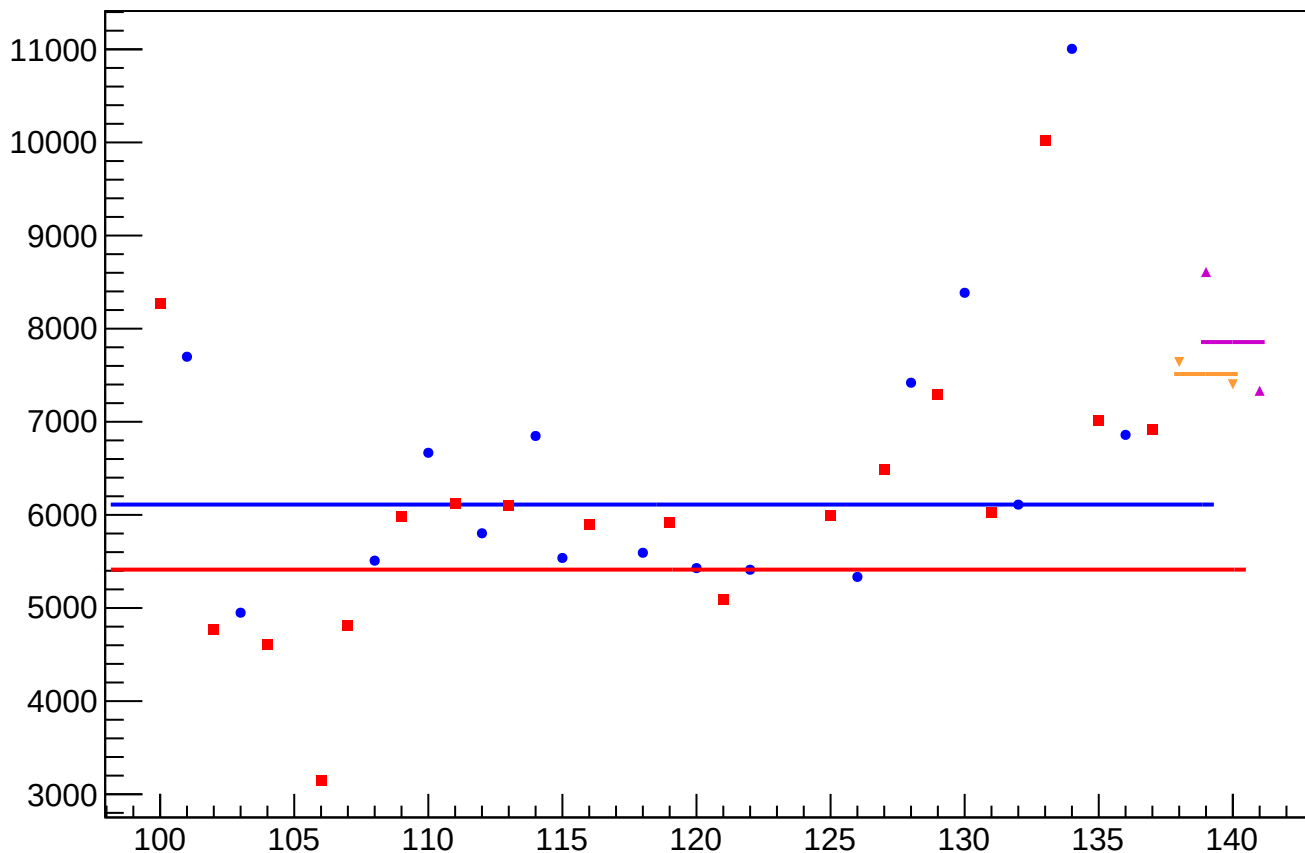
Left In: -2544.108 $\pm$ 6010.075 χ^2 /NDF: 0.0/1

+ sign 538.802 $\pm$ 2161.145 χ^2 /NDF: 15.9/17

All: 284.552 $\pm$ 1447.537 χ^2 /NDF: 32.1/37

- sign 77.675 $\pm$ 1949.439 χ^2 /NDF: 16.2/19

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

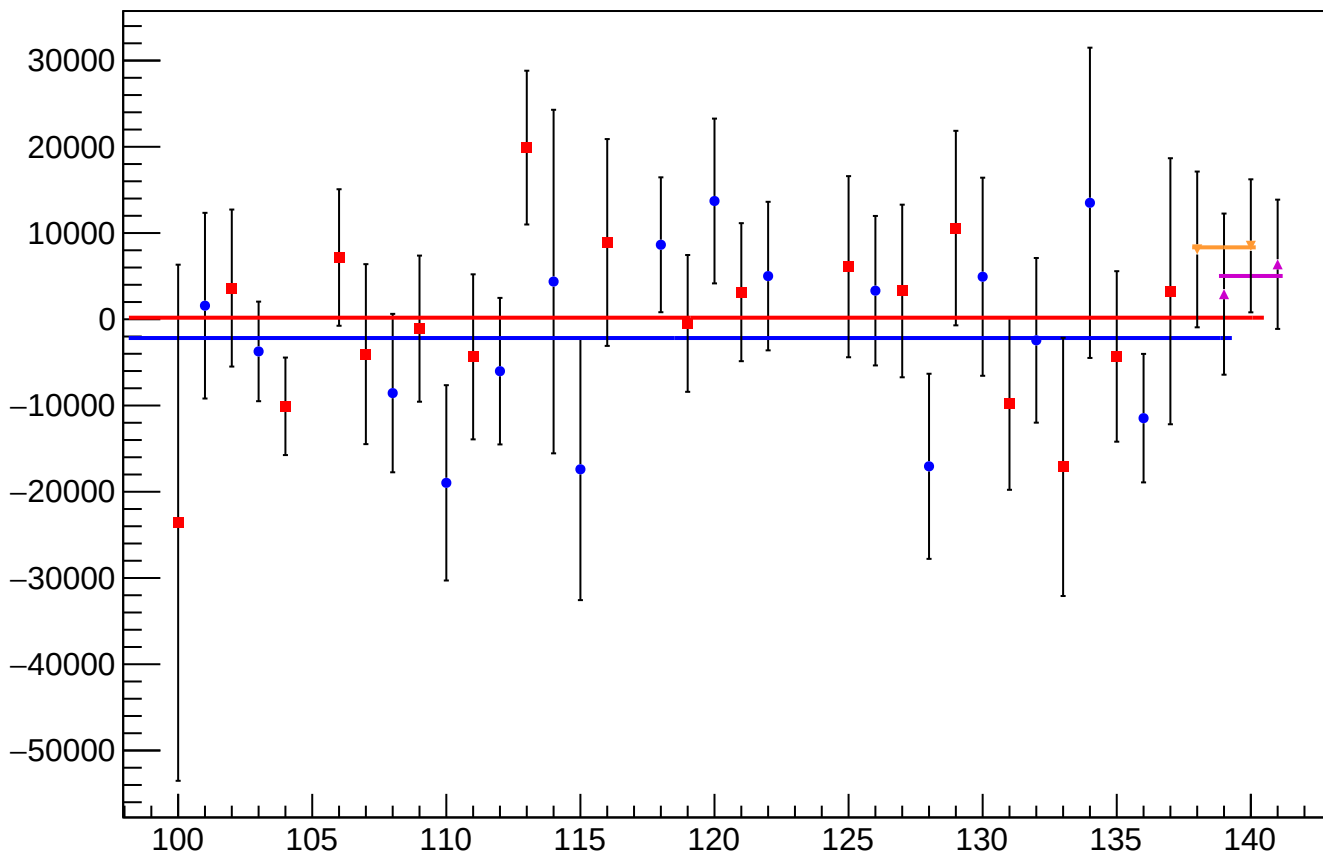
Left In: 7856.065+/-4.250 χ^2/NDF : 21793.0/1

+ sign 6296.457+/-1.528 χ^2/NDF : 569060.0/17

All: 5950.707+/-1.024 χ^2/NDF : 1801110.7/37

- sign 5669.378+/-1.378 χ^2/NDF : 1139208.2/19

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048 ± 2347.664 χ^2/NDF : 14.6/15

Left Out: 8340.987 ± 5864.767 χ^2/NDF : 0.0/1

Right Out: 183.559 ± 2228.883 χ^2/NDF : 14.7/17

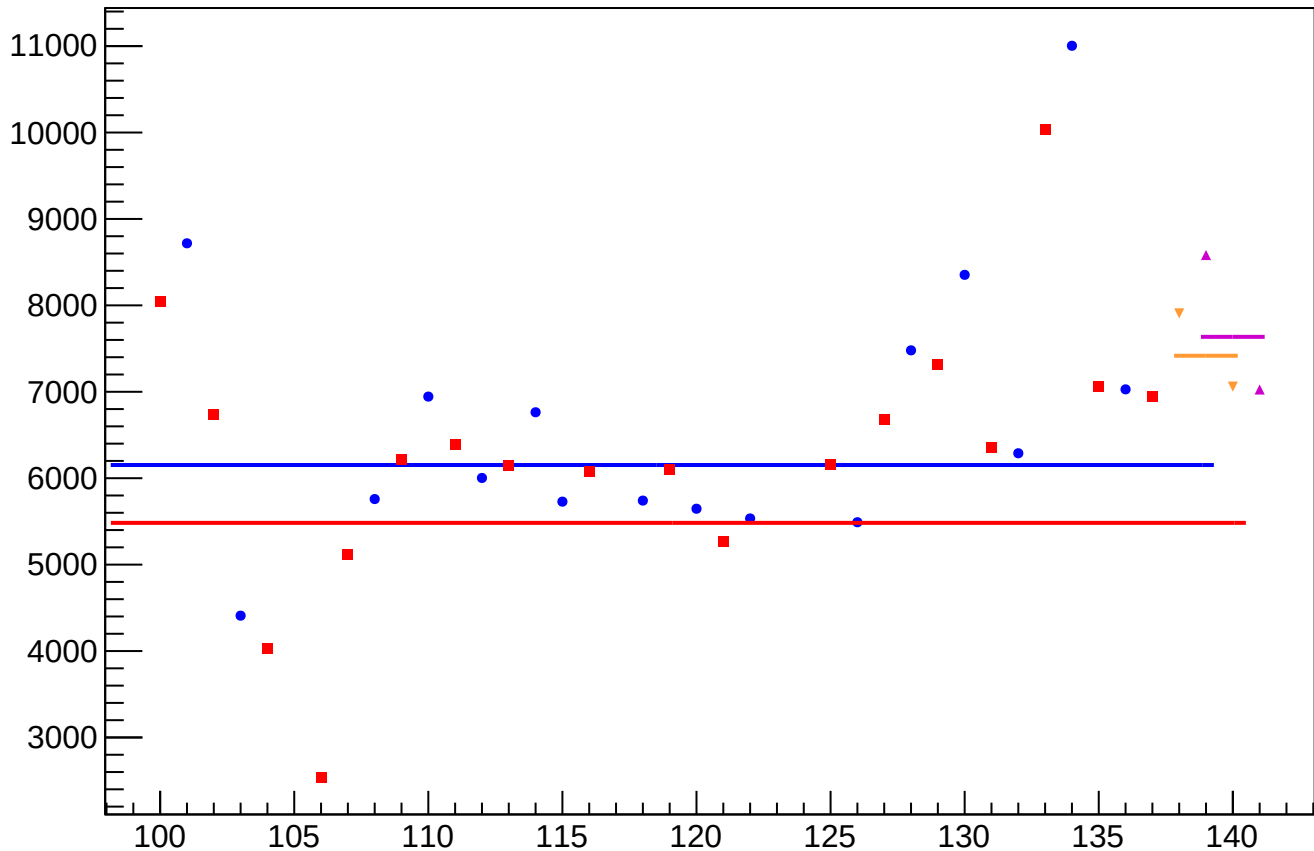
Left In: 5021.311 ± 5845.821 χ^2/NDF : 0.1/1

+ sign -721.825 ± 2179.526 χ^2/NDF : 17.4/17

All: 72.396 ± 1505.735 χ^2/NDF : 33.0/37

- sign 797.575 ± 2082.638 χ^2/NDF : 15.3/19

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF : 624026.7/15

Left Out: 7417.098+/-4.147 χ^2/NDF : 10189.0/1

Right Out: 5483.337+/-1.519 χ^2/NDF : 1148712.9/17

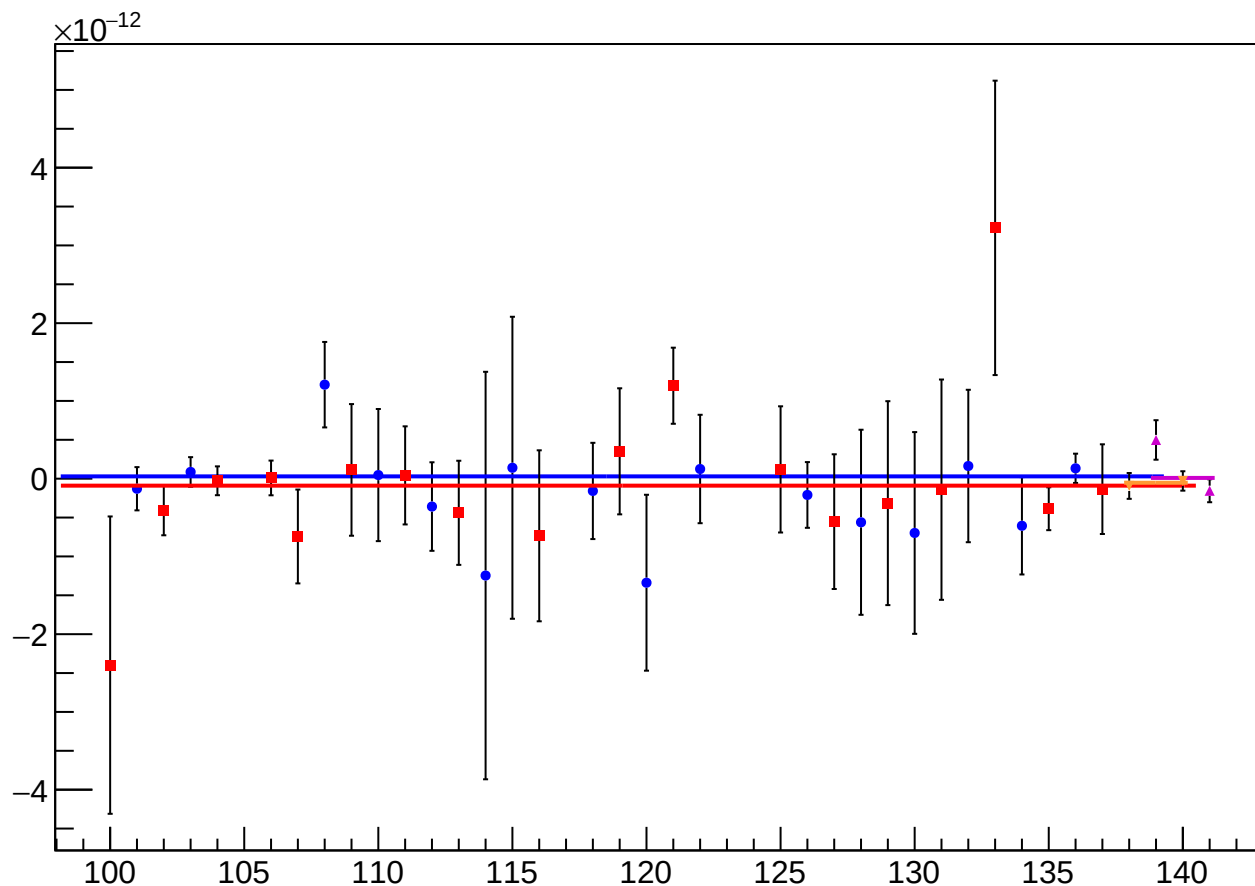
Left In: 7635.837+/-4.134 χ^2/NDF : 33764.3/1

+ sign 6327.314+/-1.541 χ^2/NDF : 714338.4/17

All: 6010.695+/-1.047 χ^2/NDF : 2214048.5/37

- sign 5739.561+/-1.426 χ^2/NDF : 1421359.3/19

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

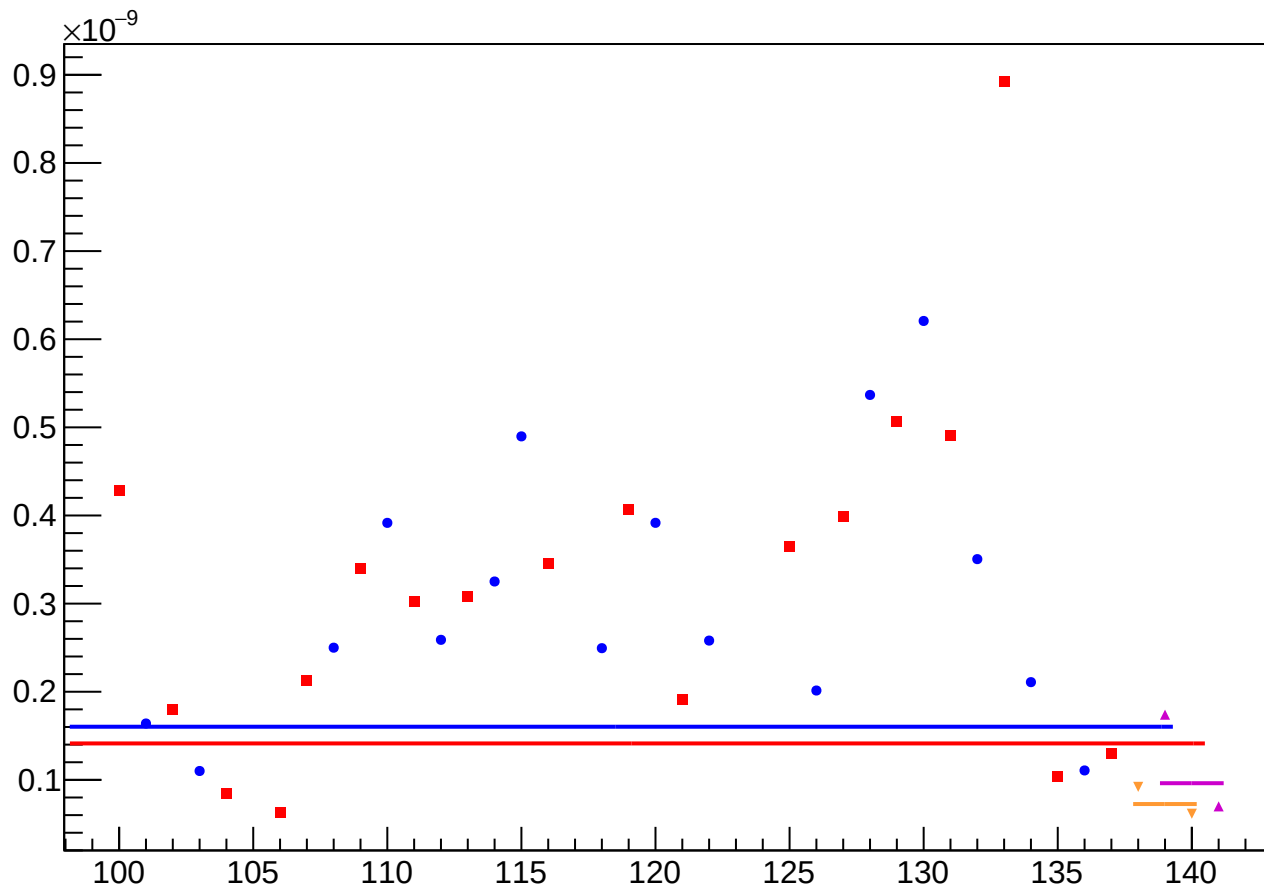
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.9/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.8/19

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

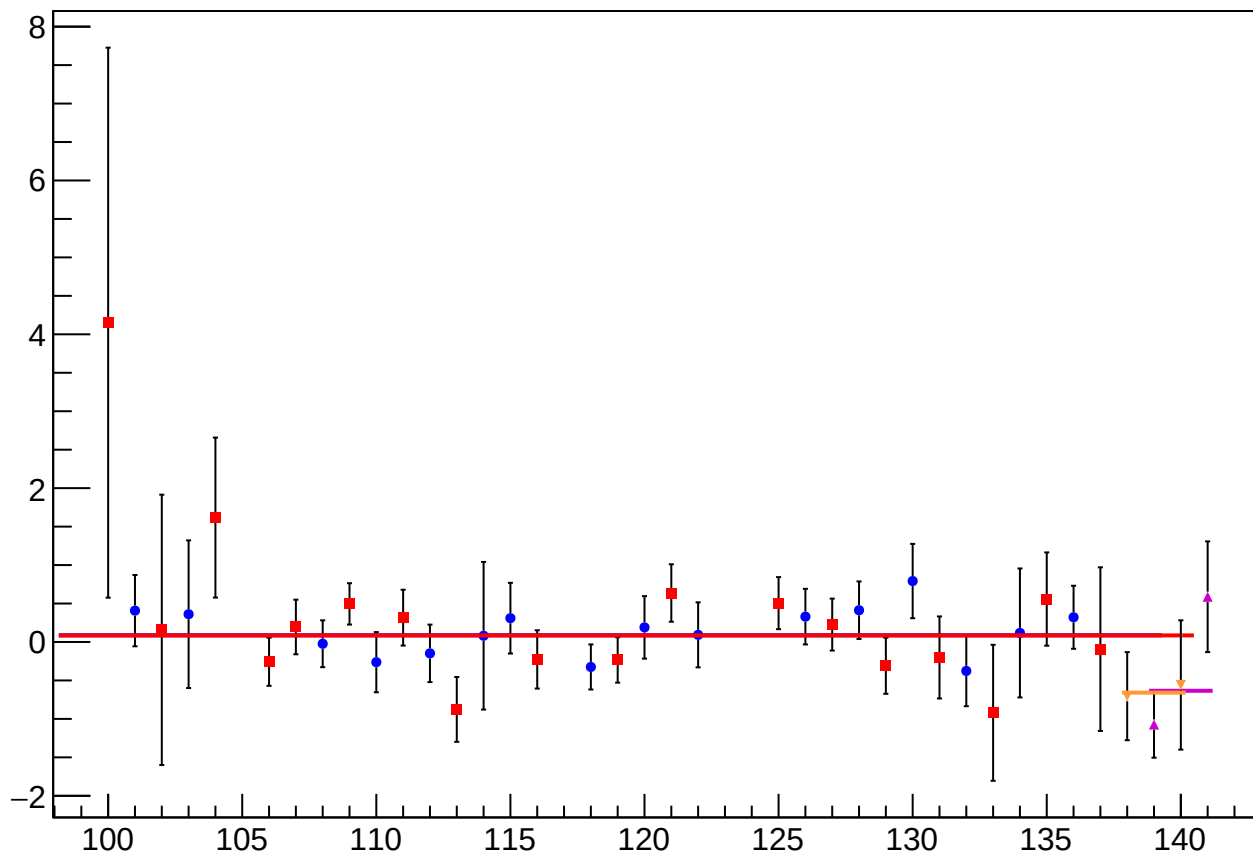
Left In: 0.000+/-0.000 χ^2/NDF : 250898.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2115669.0/17

All: 0.000+/-0.000 χ^2/NDF : 4698139.3/37

- sign 0.000+/-0.000 χ^2/NDF : 2568808.7/19

asym_us_avg_at2lr_avg_dd_dit_vs_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

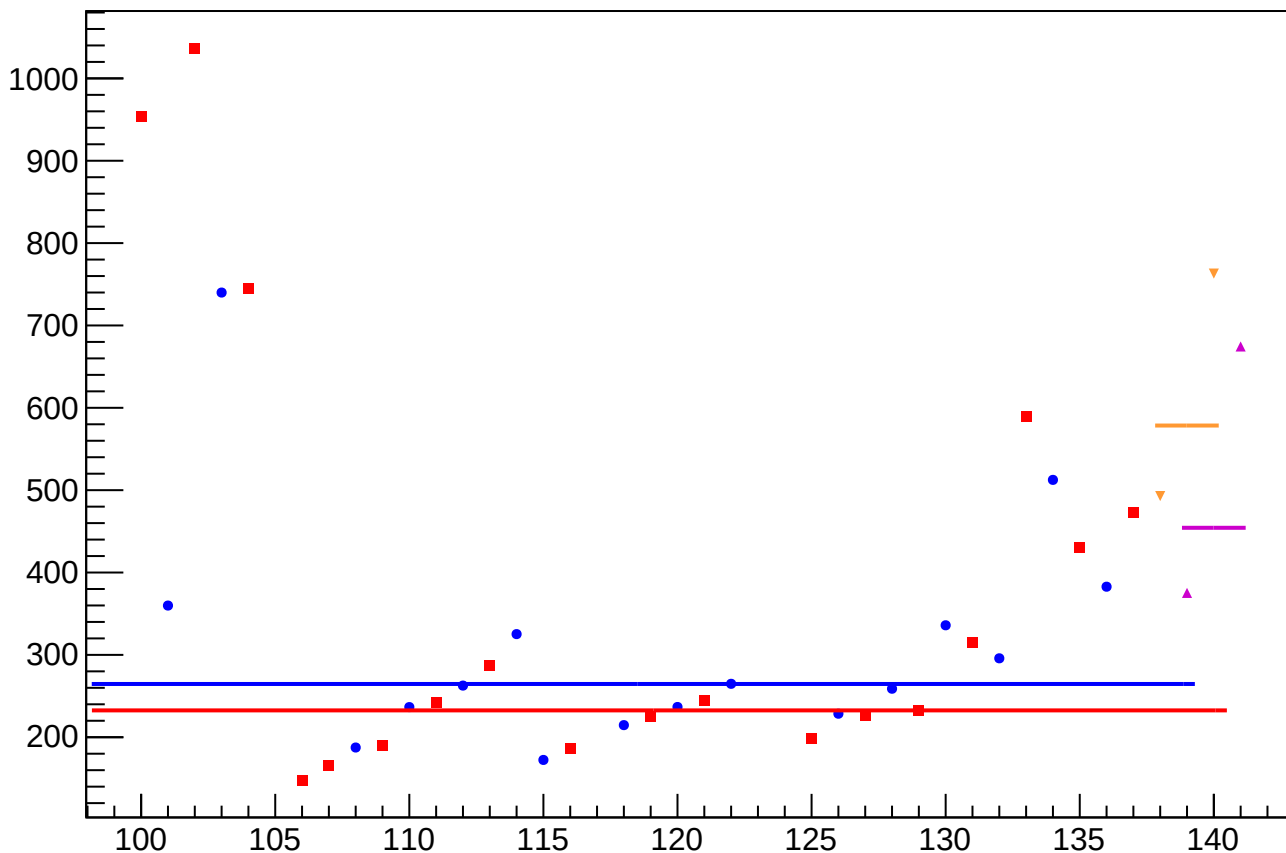
Left In: -0.634 $\pm$ 0.370 χ^2 /NDF: 3.9/1

+ sign 0.052 $\pm$ 0.103 χ^2 /NDF: 11.2/17

All: 0.045 $\pm$ 0.069 χ^2 /NDF: 40.5/37

- sign 0.039 $\pm$ 0.094 χ^2 /NDF: 29.3/19

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 264.667+/-0.074 χ^2/NDF : 1284007.6/15

Left Out: 578.482+/-0.335 χ^2/NDF :141104.9/1

Right Out: 232.596+/-0.069 χ^2/NDF : 2032662.7/17

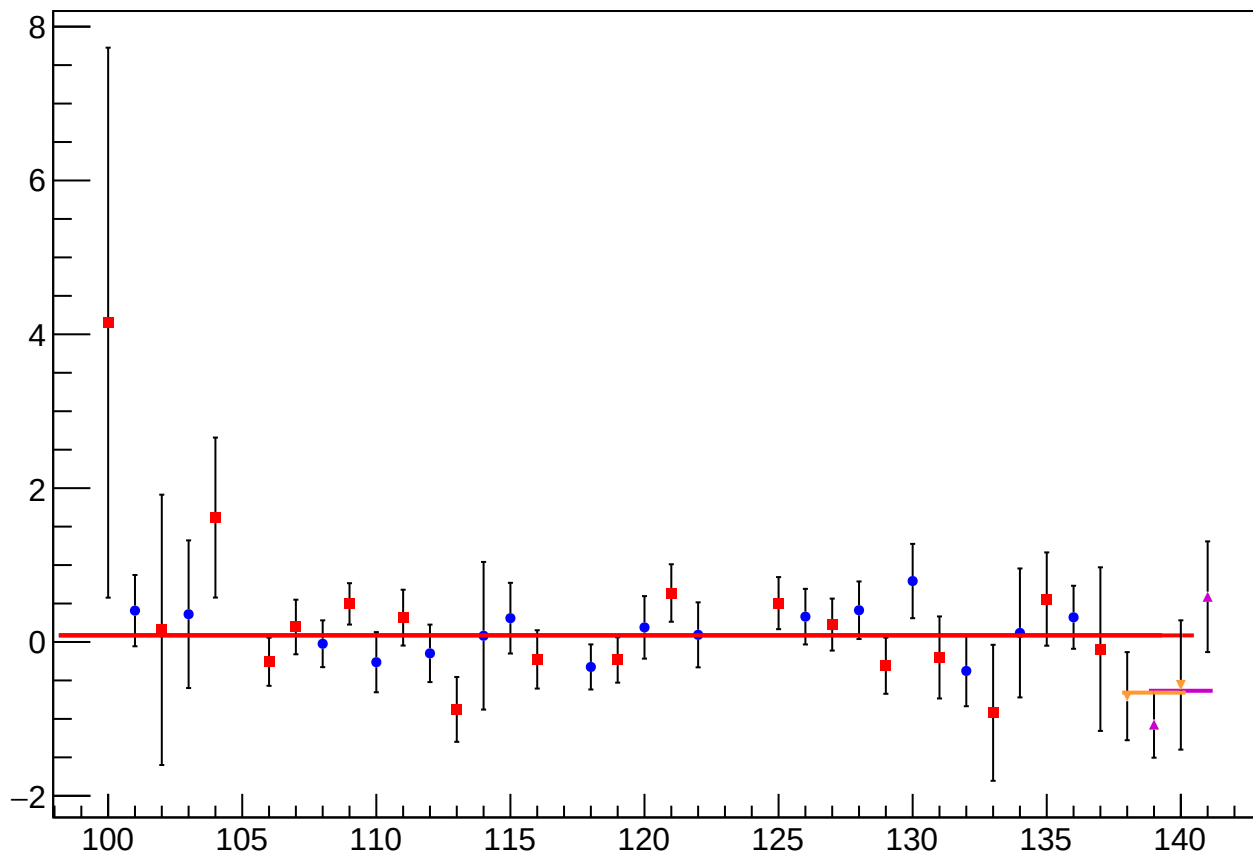
Left In: 454.317+/-0.262 χ^2/NDF :254373.8/1

+ sign 279.409+/-0.073 χ^2/NDF : 2263107.7/17

All: 261.790+/-0.049 χ^2/NDF : 5330797.1/37

- sign 246.952+/-0.067 χ^2/NDF : 2958993.9/19

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 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

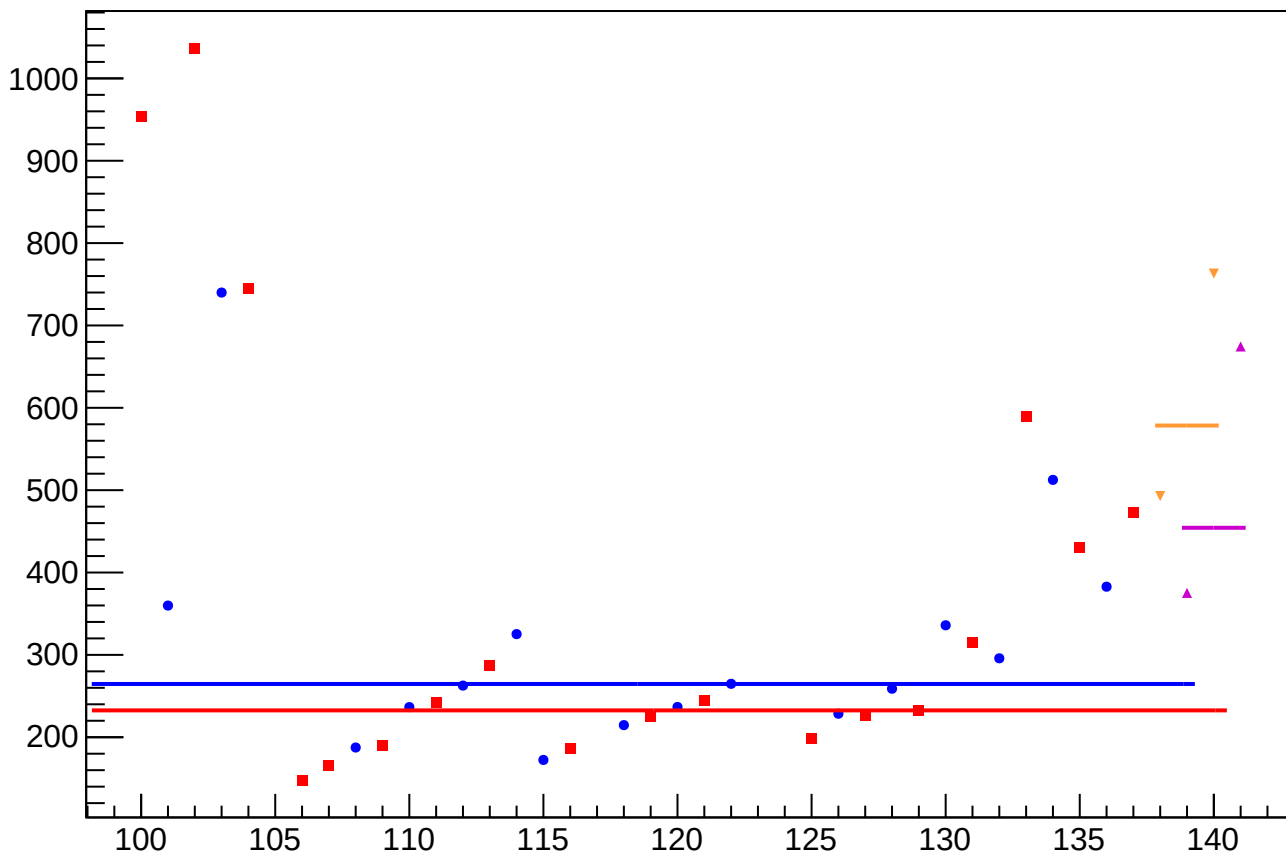
Left In: -0.634 $\pm$ 0.370 χ^2 /NDF: 3.9/1

+ sign 0.052 $\pm$ 0.103 χ^2 /NDF: 11.2/17

All: 0.045 $\pm$ 0.069 χ^2 /NDF: 40.5/37

- sign 0.039 $\pm$ 0.094 χ^2 /NDF: 29.3/19

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667+/-0.074 χ^2/NDF : 1284007.6/15

Left Out: 578.482+/-0.335 χ^2/NDF :141104.9/1

Right Out: 232.596+/-0.069 χ^2/NDF : 2032662.7/17

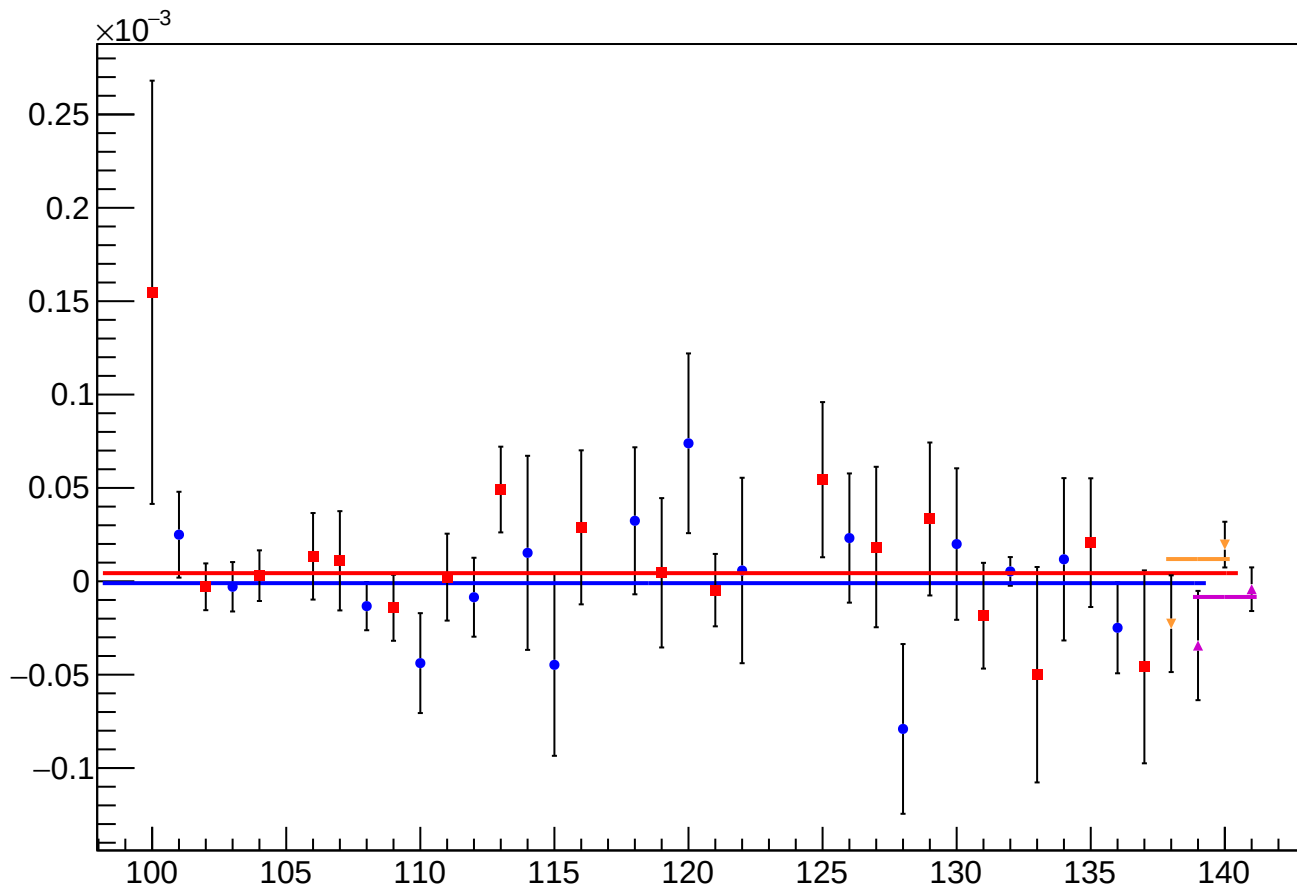
Left In: 454.317+/-0.262 χ^2/NDF :254373.8/1

+ sign 279.409+/-0.073 χ^2/NDF : 2263107.7/17

All: 261.790+/-0.049 χ^2/NDF : 5330797.1/37

- sign 246.952+/-0.067 χ^2/NDF : 2958993.9/19

asym_us_avg_at2lr_avg_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: 2.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

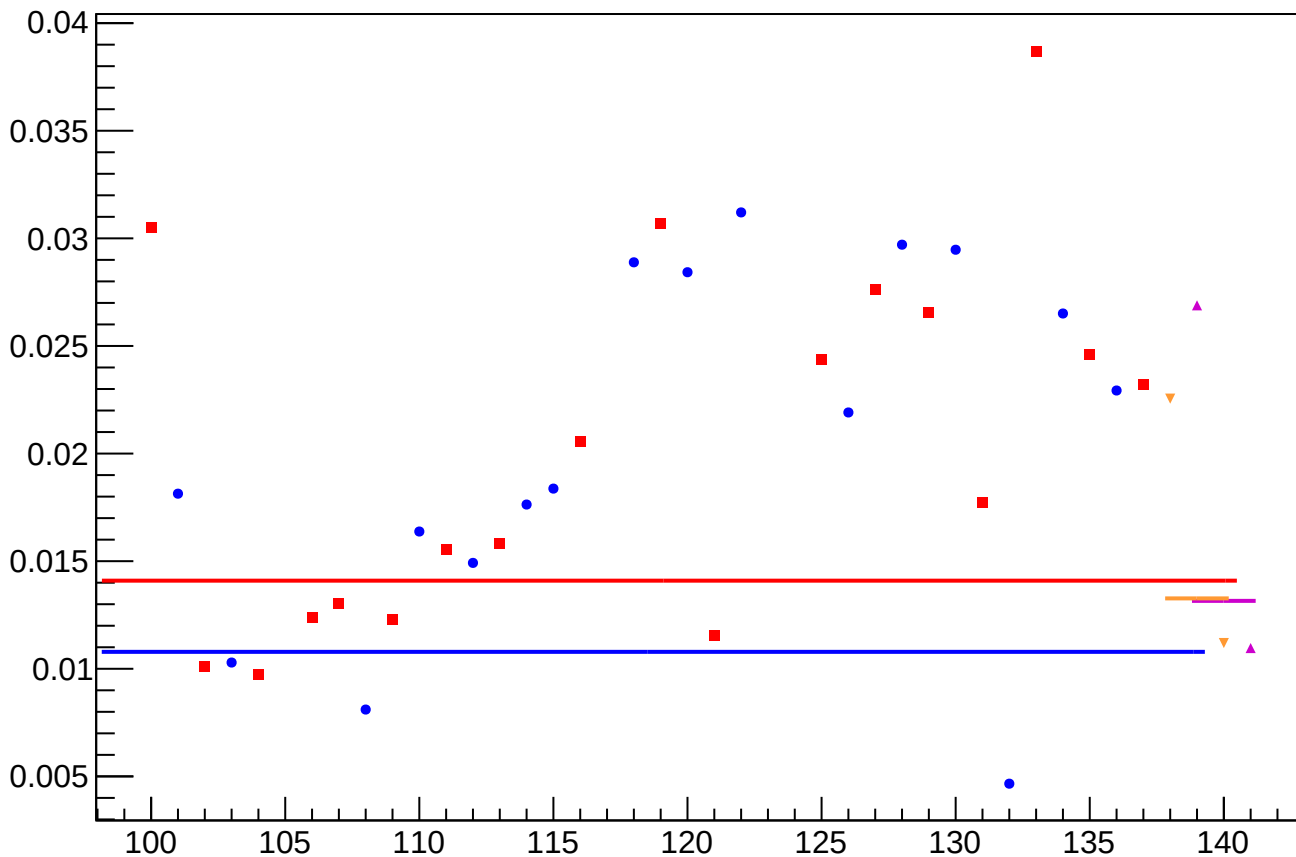
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/19

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

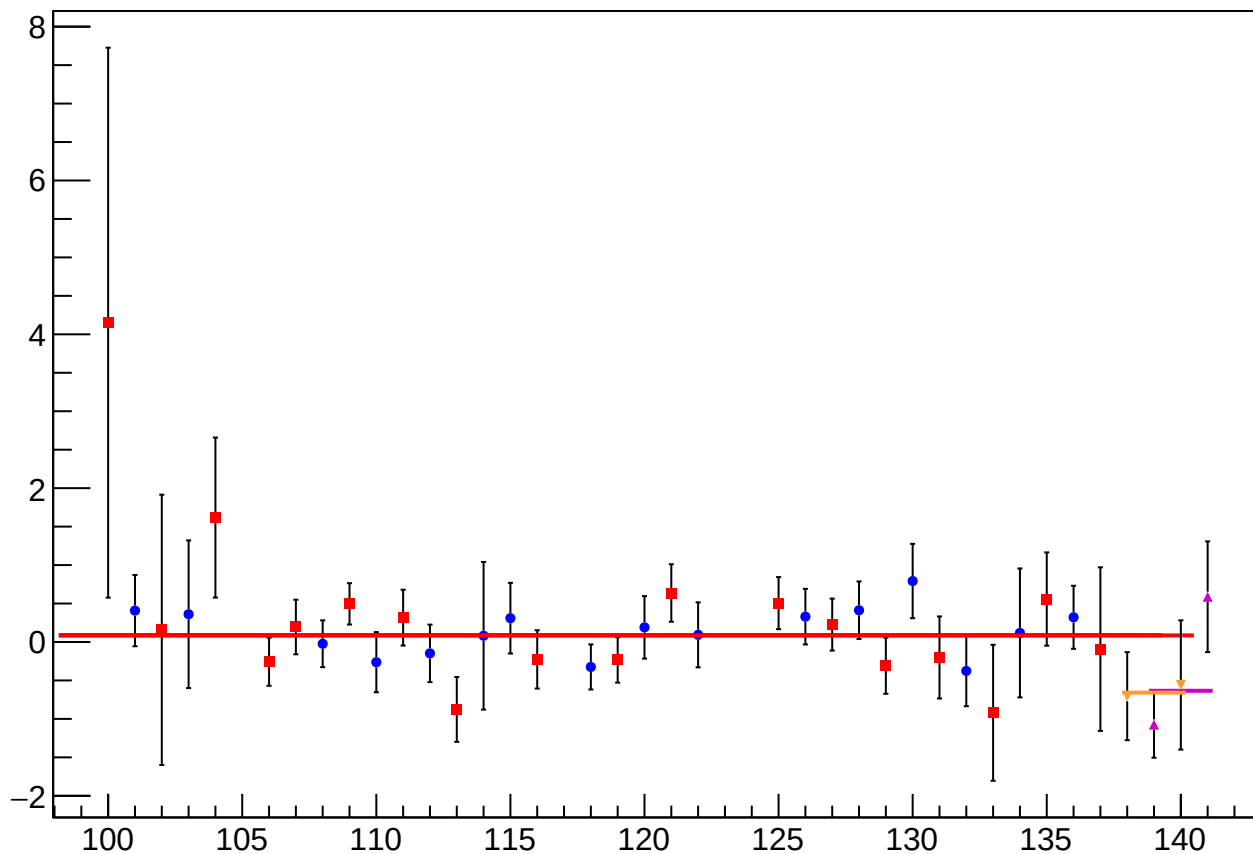
Left In: 0.013+/-0.000 χ^2/NDF : 511023.5/1

+ sign 0.011+/-0.000 χ^2/NDF : 4978346.9/17

All: 0.012+/-0.000 χ^2/NDF : 7898885.7/37

- sign 0.014+/-0.000 χ^2/NDF : 2607671.1/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 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

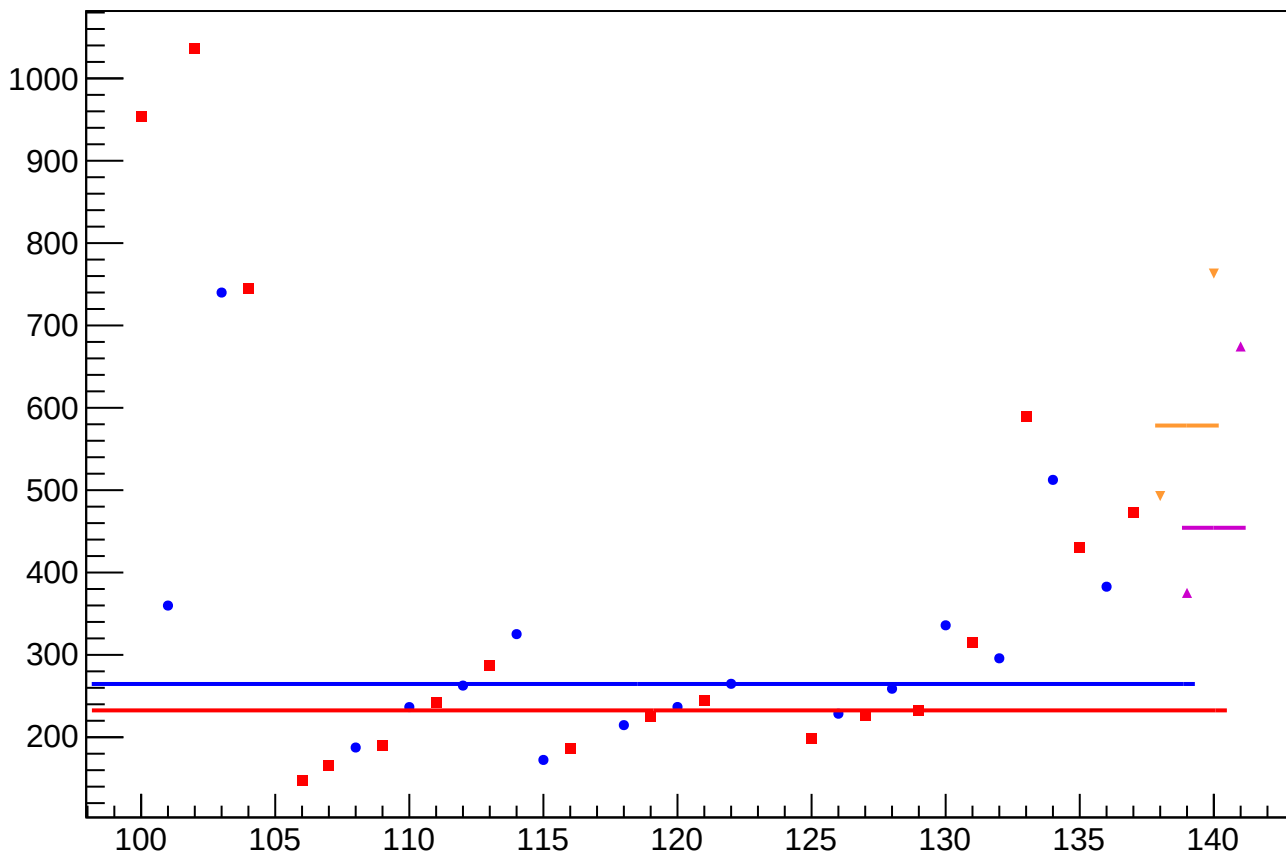
Left In: -0.634 $\pm$ 0.370 χ^2 /NDF: 3.9/1

+ sign 0.052 $\pm$ 0.103 χ^2 /NDF: 11.2/17

All: 0.045 $\pm$ 0.069 χ^2 /NDF: 40.5/37

- sign 0.039 $\pm$ 0.094 χ^2 /NDF: 29.3/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_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

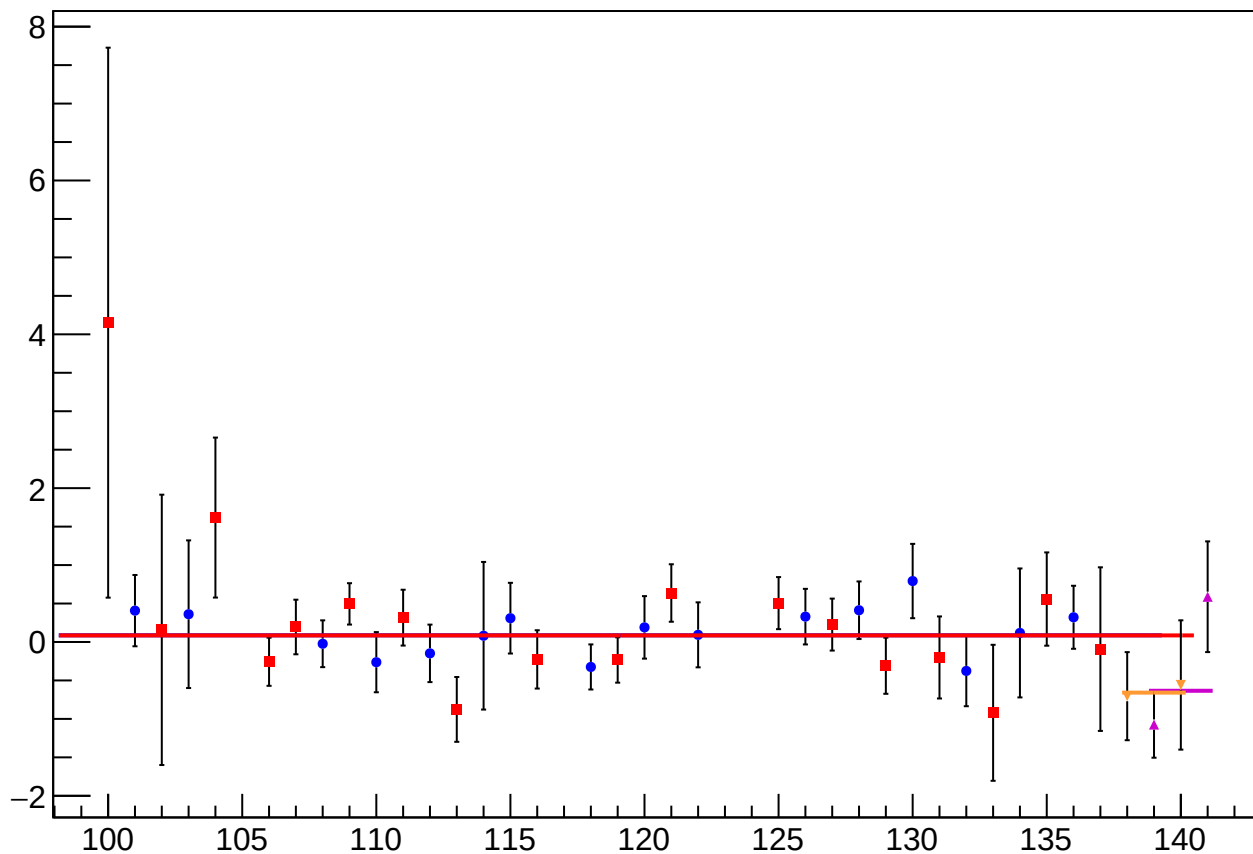
Left In: 454.326+/-0.262 χ^2/NDF : 254359.0/1

+ sign 279.409+/-0.073 χ^2/NDF : 2263092.4/17

All: 261.790+/-0.049 χ^2/NDF : 5330781.5/37

- sign 246.953+/-0.067 χ^2/NDF : 2959000.2/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 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

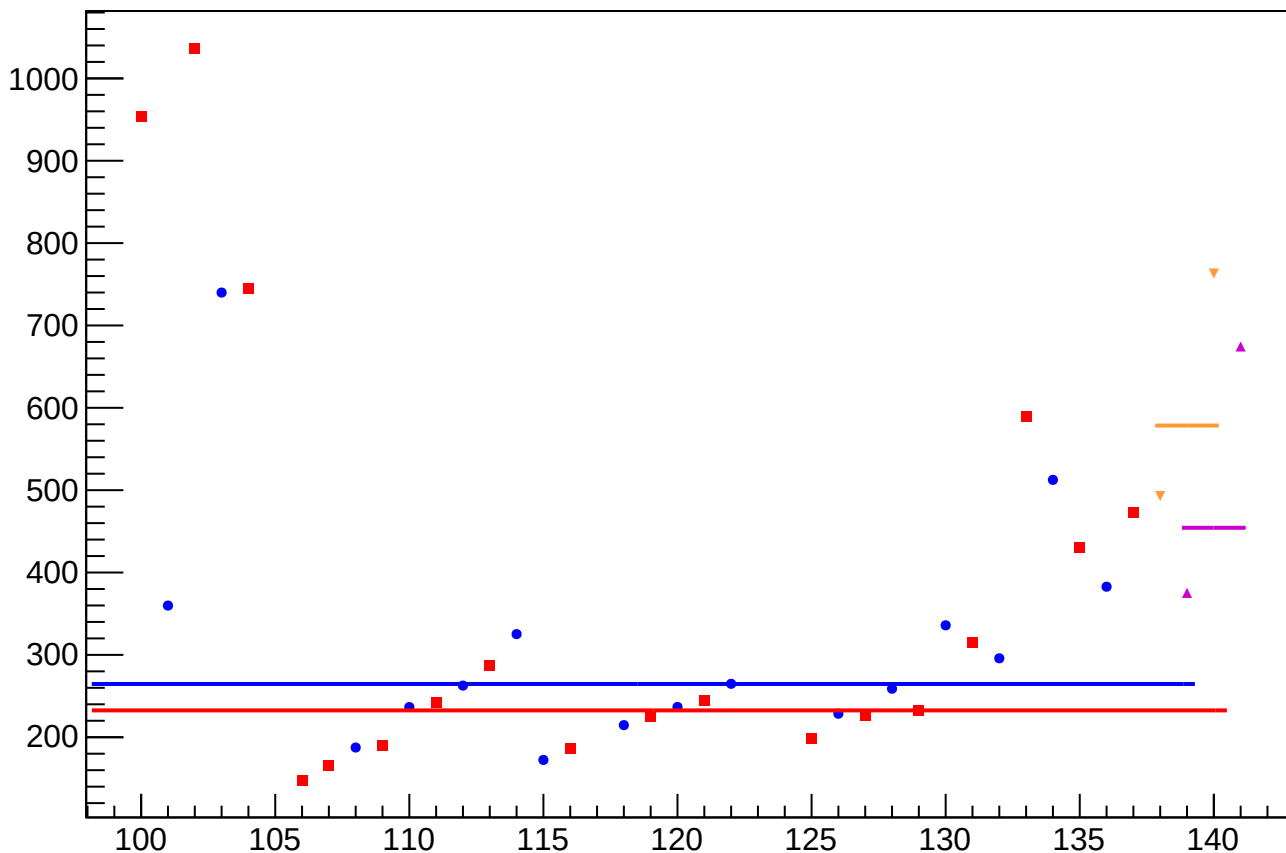
Left In: -0.634 $\pm$ 0.370 χ^2 /NDF: 3.9/1

+ sign 0.052 $\pm$ 0.103 χ^2 /NDF: 11.2/17

All: 0.045 $\pm$ 0.069 χ^2 /NDF: 40.5/37

- sign 0.039 $\pm$ 0.094 χ^2 /NDF: 29.3/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_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

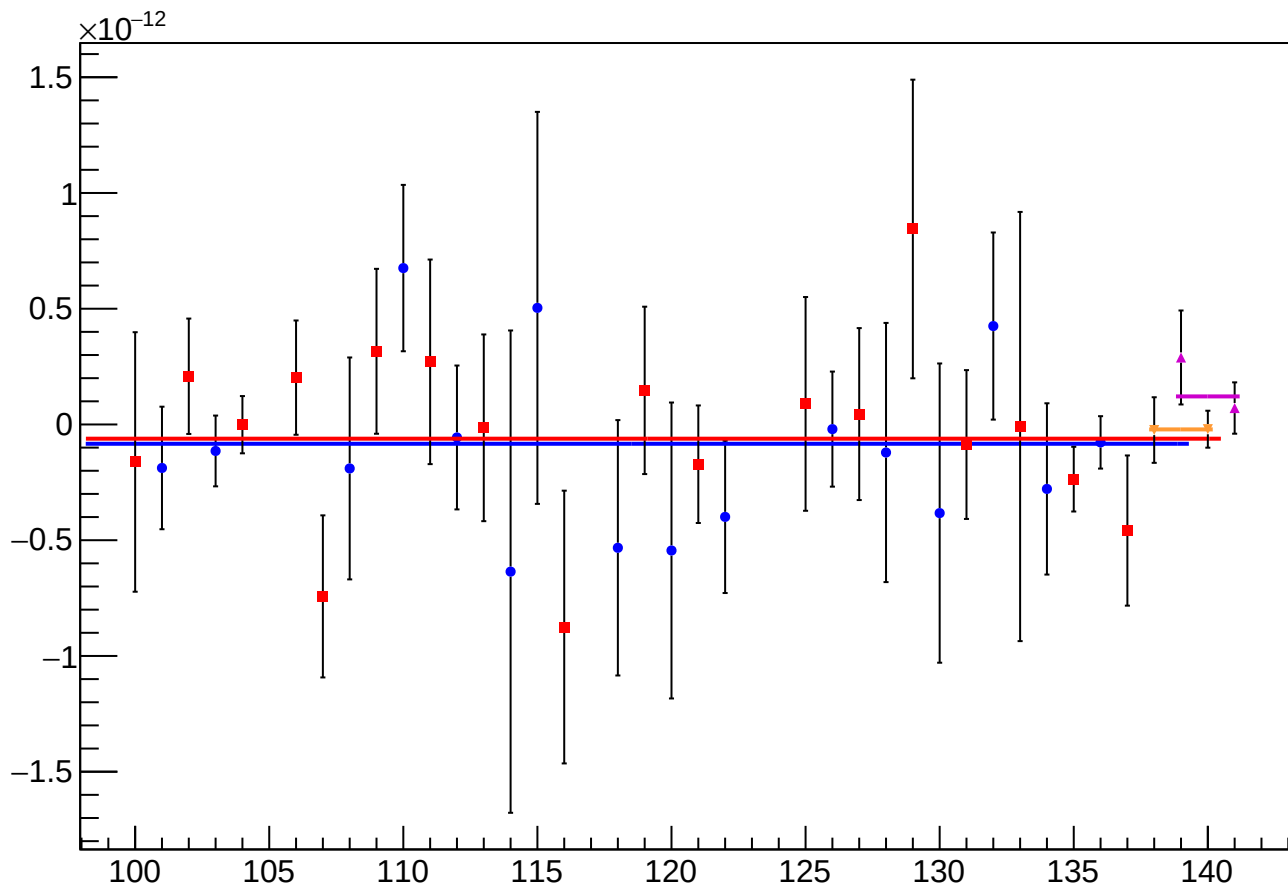
Left In: 454.326 $\pm$ 0.262 χ^2 /NDF: 254359.0/1

+ sign 279.409 $\pm$ 0.073 χ^2 /NDF: 2263092.4/17

All: 261.790 $\pm$ 0.049 χ^2 /NDF: 5330781.5/37

- sign 246.953 $\pm$ 0.067 χ^2 /NDF: 2959000.2/19

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

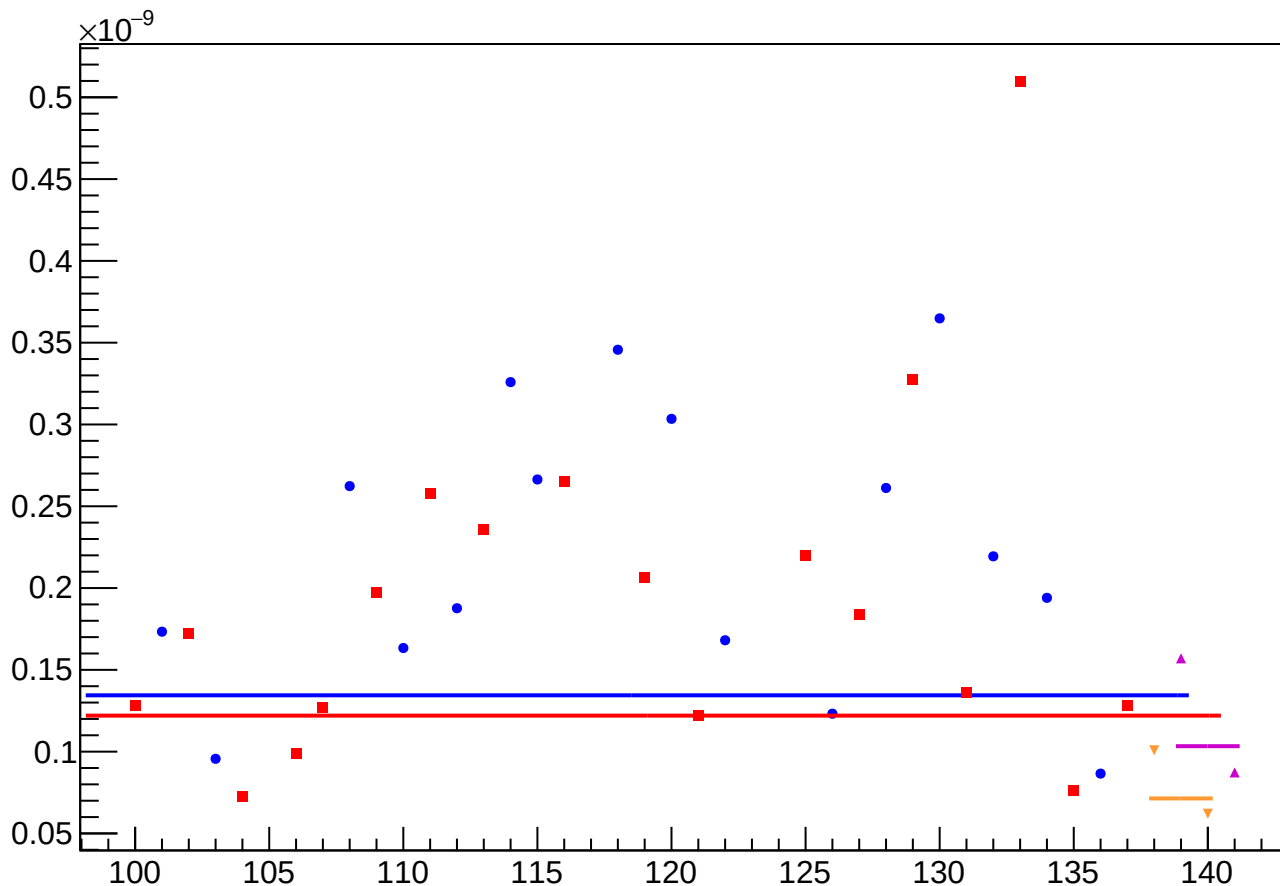
Left In: 0.000+/-0.000 χ^2/NDF : 0.9/1

+ sign -0.000+/-0.000 χ^2/NDF : 10.1/17

All: -0.000+/-0.000 χ^2/NDF : 29.6/37

- sign -0.000+/-0.000 χ^2/NDF : 19.1/19

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

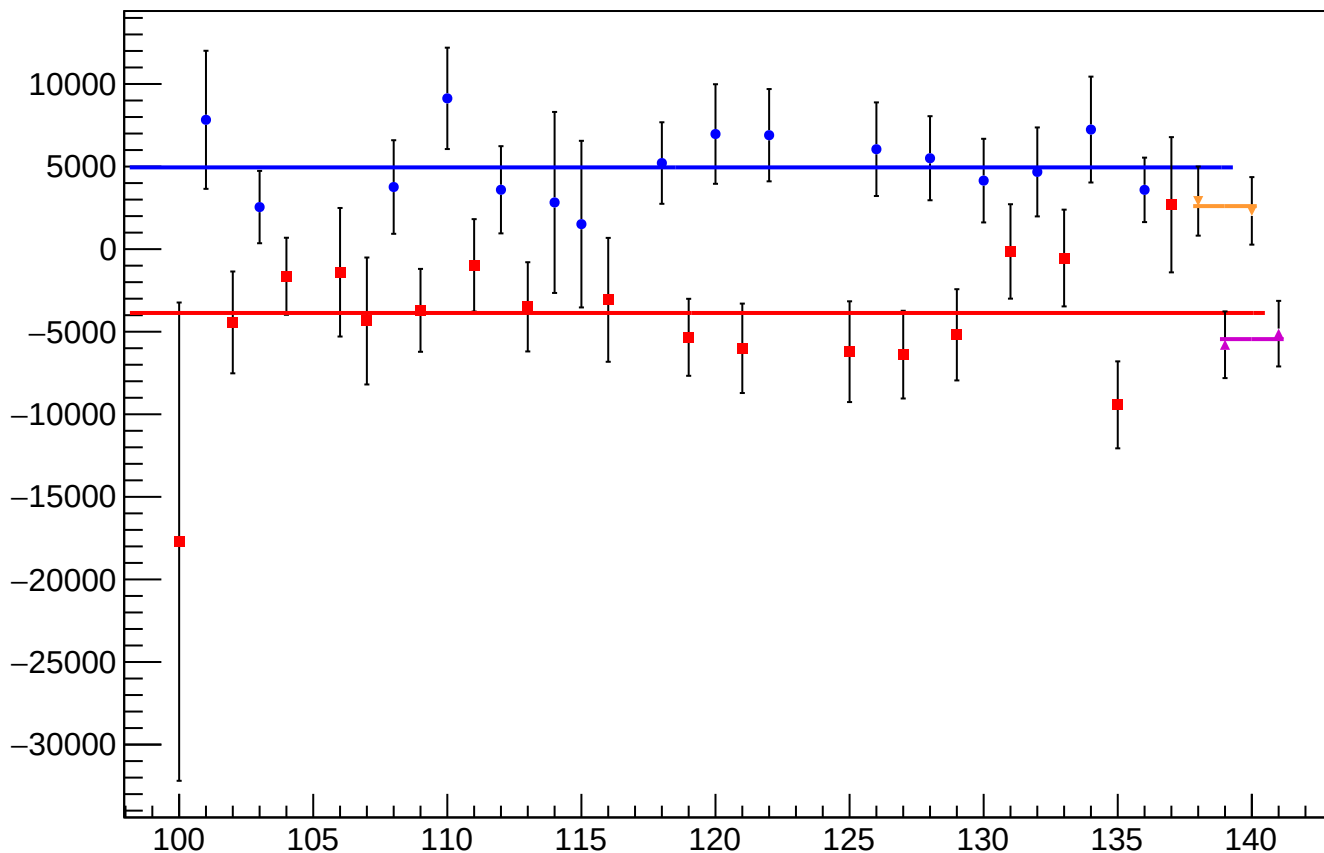
Left In: 0.000+/-0.000 χ^2/NDF :181926.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2756862.0/17

All: 0.000+/-0.000 χ^2/NDF : 5058840.6/37

- sign 0.000+/-0.000 χ^2/NDF : 2236542.7/19

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

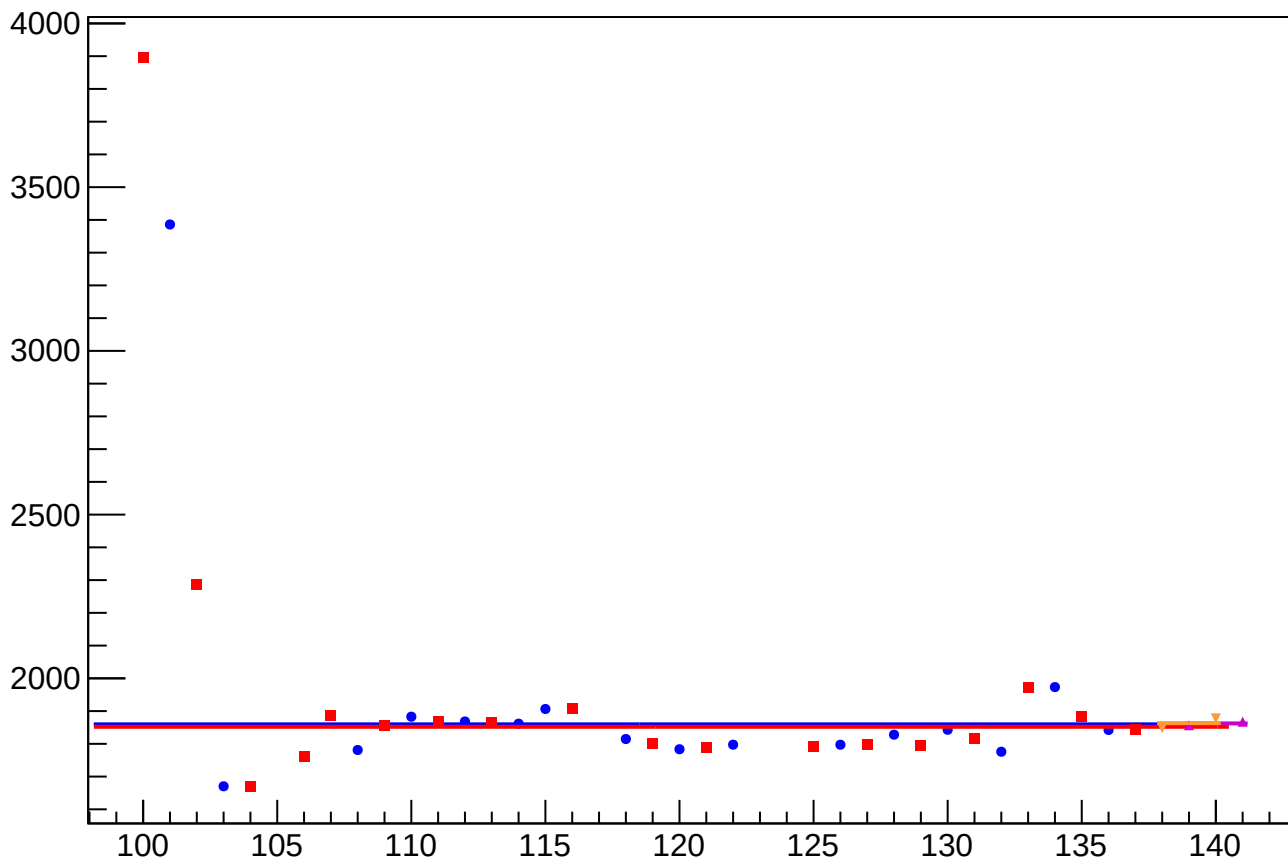
Left In: -5447.924 $\pm$ 1415.728 χ^2 /NDF:0.1/1

+ sign 4514.369 $\pm$ 630.606 χ^2 /NDF: 9.0/17

All: 127.988 $\pm$ 443.710 χ^2 /NDF: 122.0/37

- sign -4173.070 $\pm$ 624.442 χ^2 /NDF: 17.2/19

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 $\pm$ 0.494 χ^2 /NDF: 292334.6/15

Left Out: 1863.226 $\pm$ 1.034 χ^2 /NDF:204.4/1

Right Out: 1852.065 $\pm$ 0.490 χ^2 /NDF: 102212.5/17

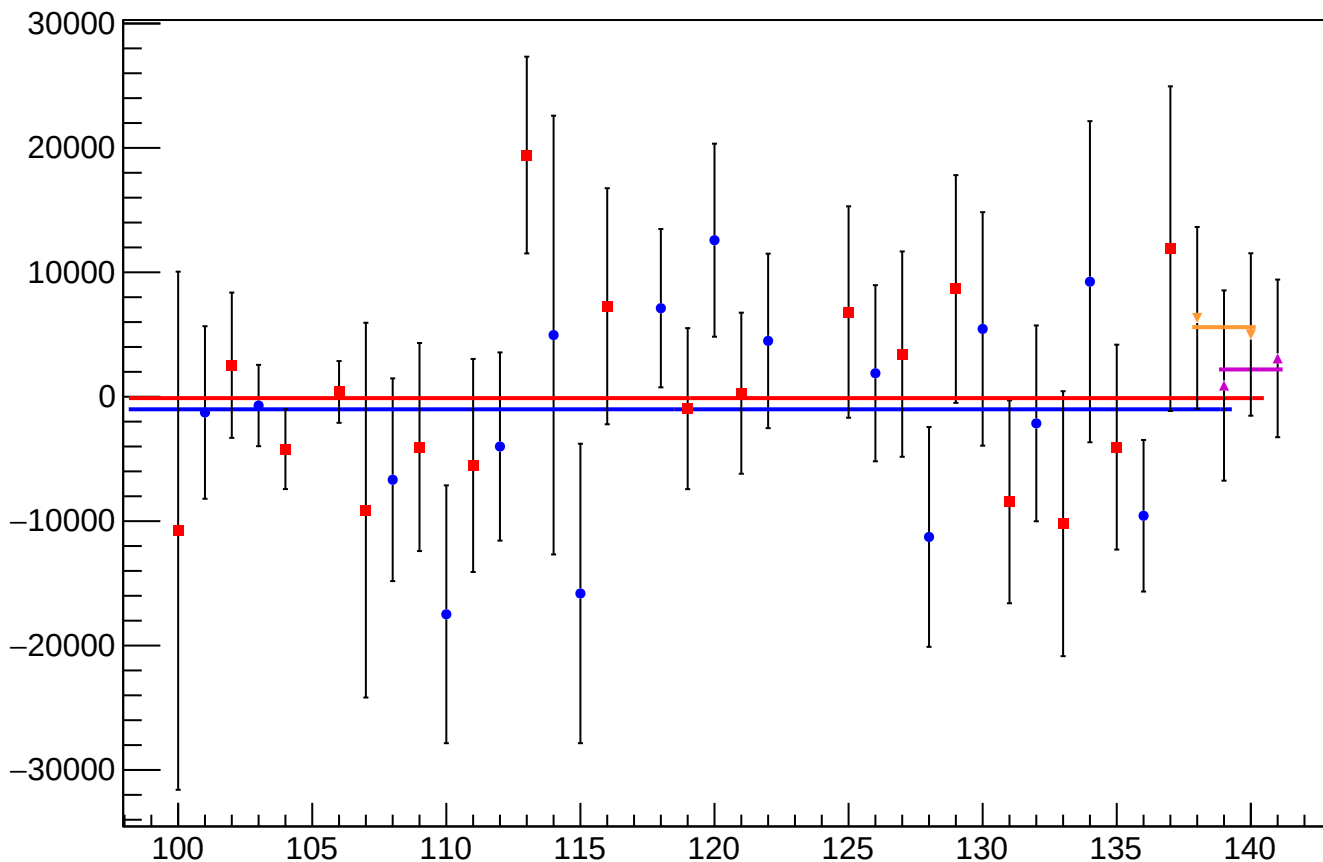
Left In: 1862.361 $\pm$ 1.001 χ^2 /NDF:28.9/1

+ sign 1860.201 $\pm$ 0.446 χ^2 /NDF: 292549.4/17

All: 1857.092 $\pm$ 0.313 χ^2 /NDF: 394972.3/37

- sign 1854.058 $\pm$ 0.440 χ^2 /NDF: 102326.8/19

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

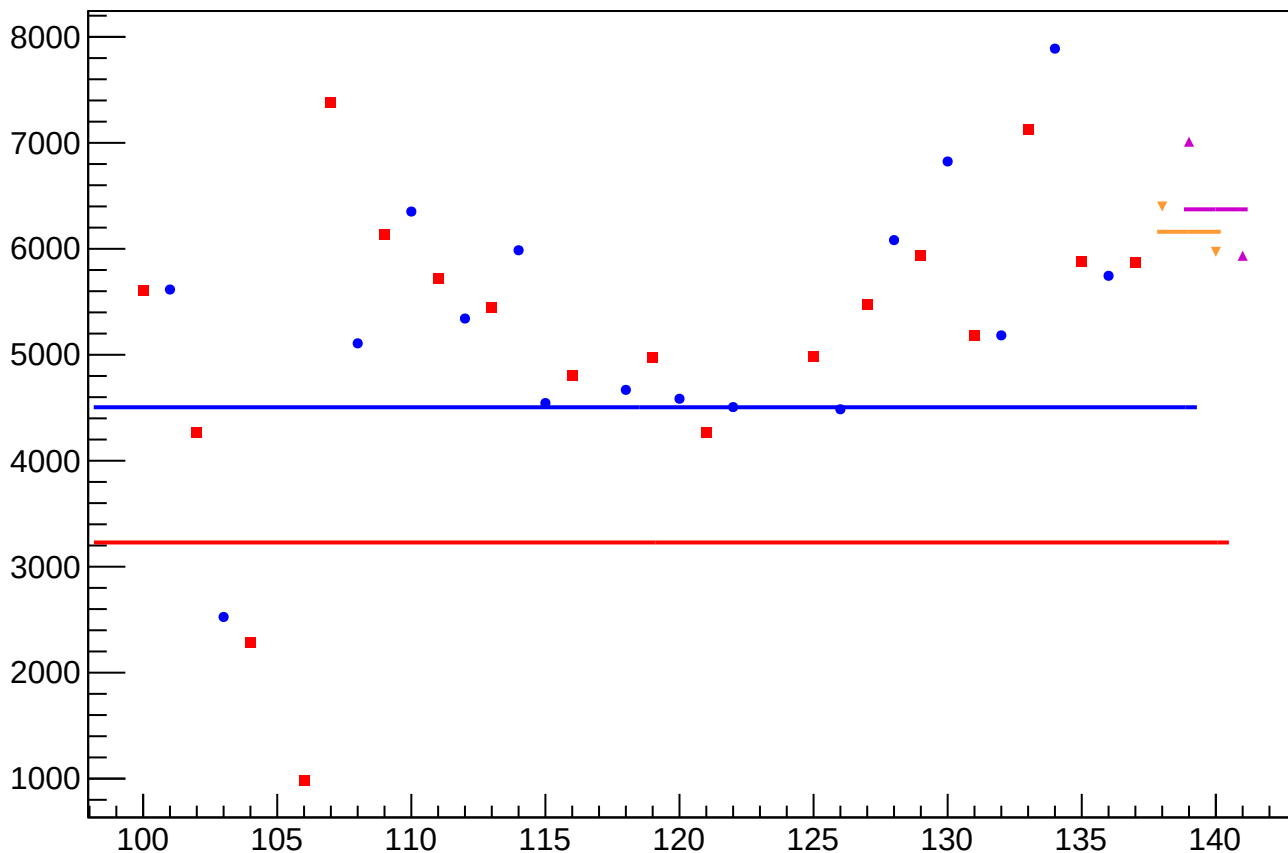
Left In: 2193.915+/-4878.343 χ^2/NDF : 0.0/1

+ sign -244.208+/-1658.696 χ^2/NDF : 16.4/17

All: -56.643+/-1060.750 χ^2/NDF : 31.3/37

- sign 73.146+/-1379.777 χ^2/NDF : 14.9/19

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 4504.788+/-1.247 χ^2/NDF : 1321104.9/15

Left Out: 6160.982+/-3.444 χ^2/NDF : 3809.3/1

Right Out: 3228.605+/-1.017 χ^2/NDF : 3956397.6/17

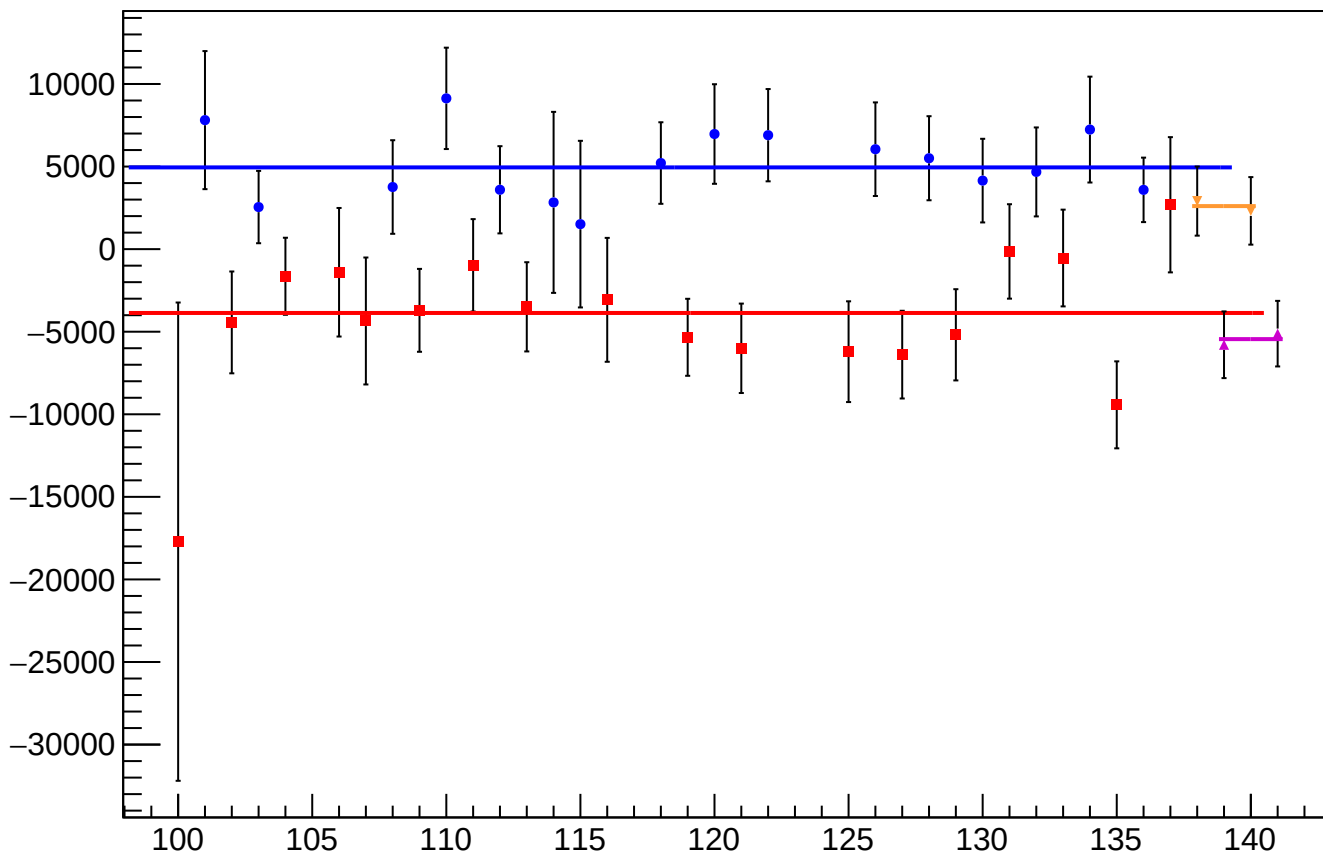
Left In: 6372.573+/-3.450 χ^2/NDF : 23510.4/1

+ sign 4696.923+/-1.173 χ^2/NDF : 1529398.8/17

All: 3977.753+/-0.750 χ^2/NDF : 6909684.6/37

- sign 3480.113+/-0.976 χ^2/NDF : 4744149.5/19

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838 $\pm$ 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

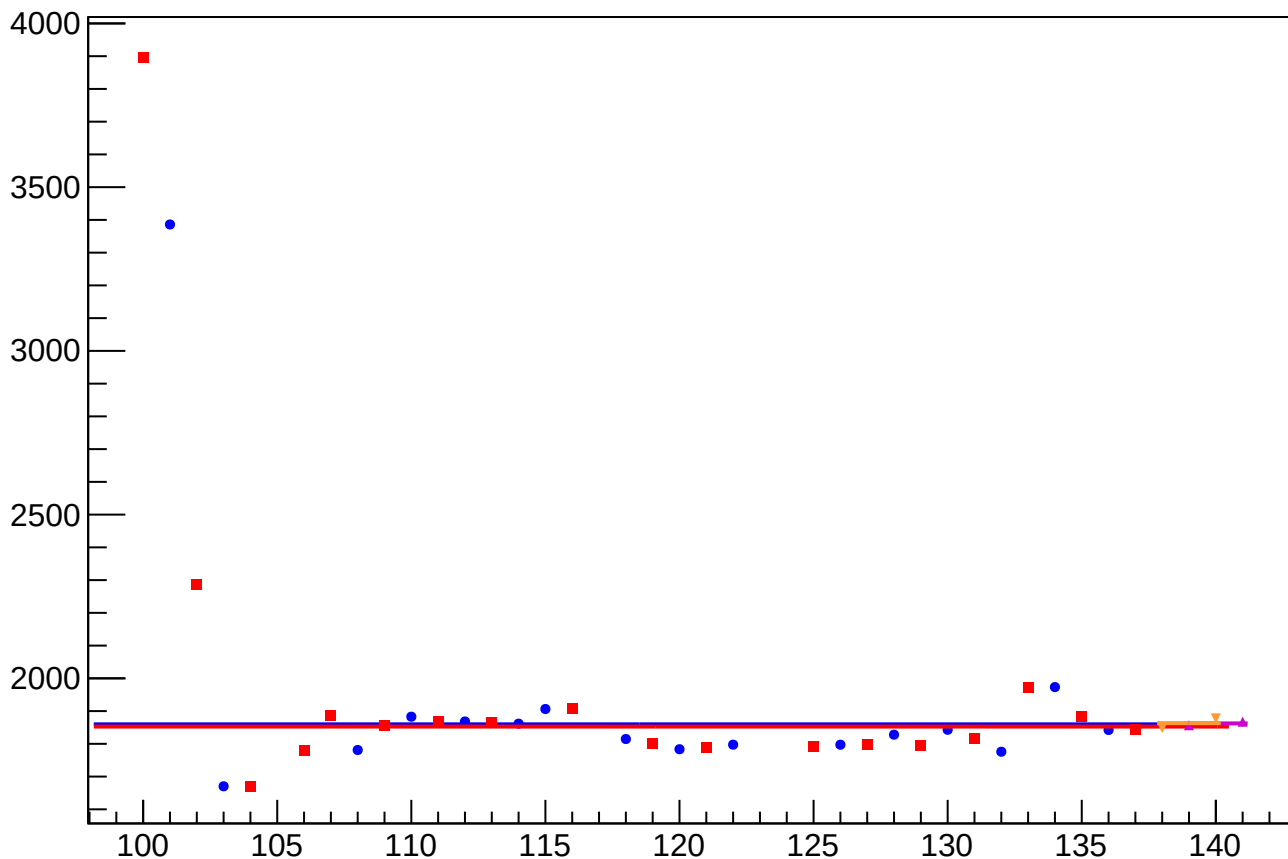
Left In: -5448.265 $\pm$ 1415.728 χ^2/NDF : 0.1/1

+ sign 4514.011 $\pm$ 630.606 χ^2/NDF : 9.0/17

All: 127.863 $\pm$ 443.711 χ^2/NDF : 122.0/37

- sign -4172.964 $\pm$ 624.442 χ^2/NDF : 17.2/19

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

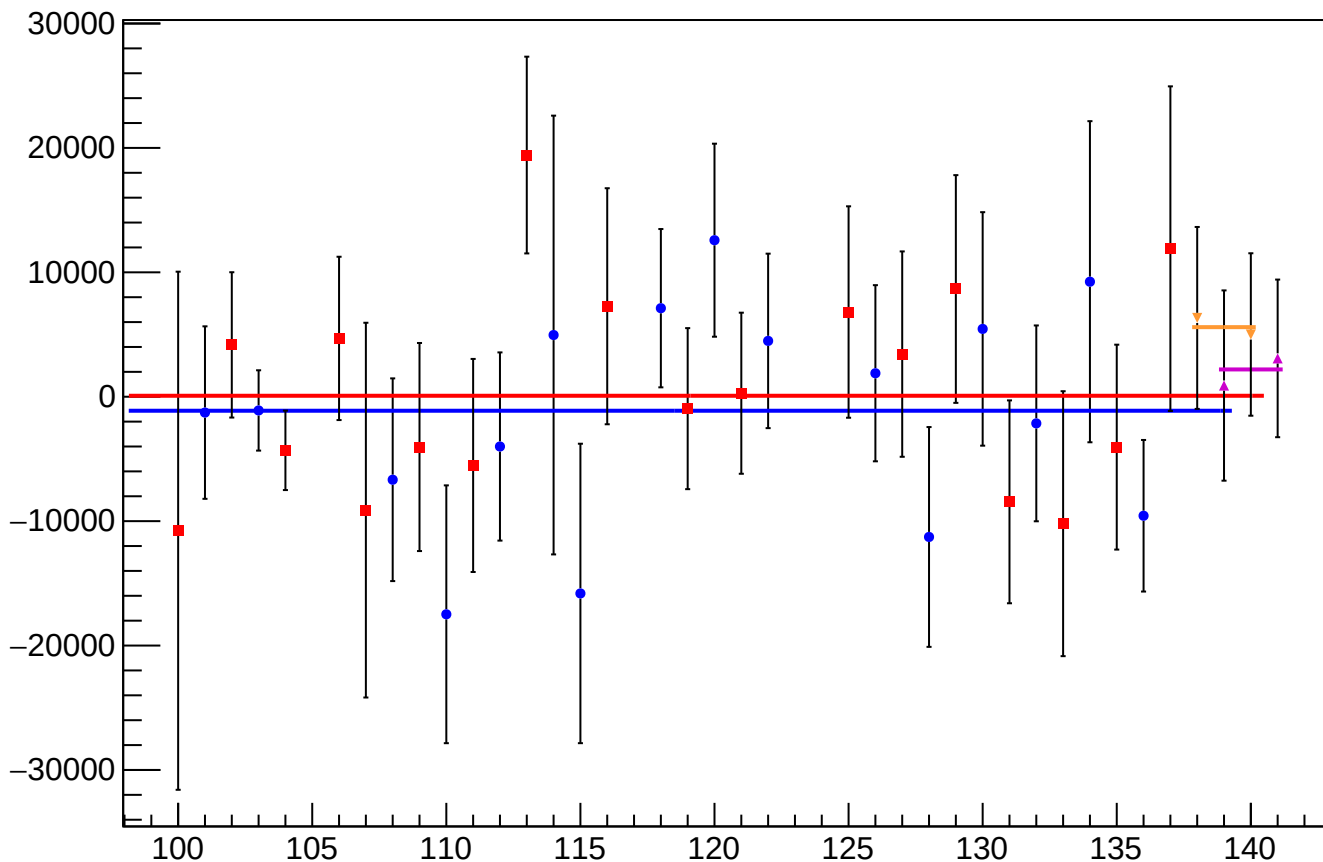
Left In: 1862.361 $\pm$ 1.001 χ^2 /NDF:28.9/1

+ sign 1860.201 $\pm$ 0.446 χ^2 /NDF: 292551.3/17

All: 1857.381 $\pm$ 0.313 χ^2 /NDF: 394483.8/37

- sign 1854.628 $\pm$ 0.441 χ^2 /NDF: 101853.5/19

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

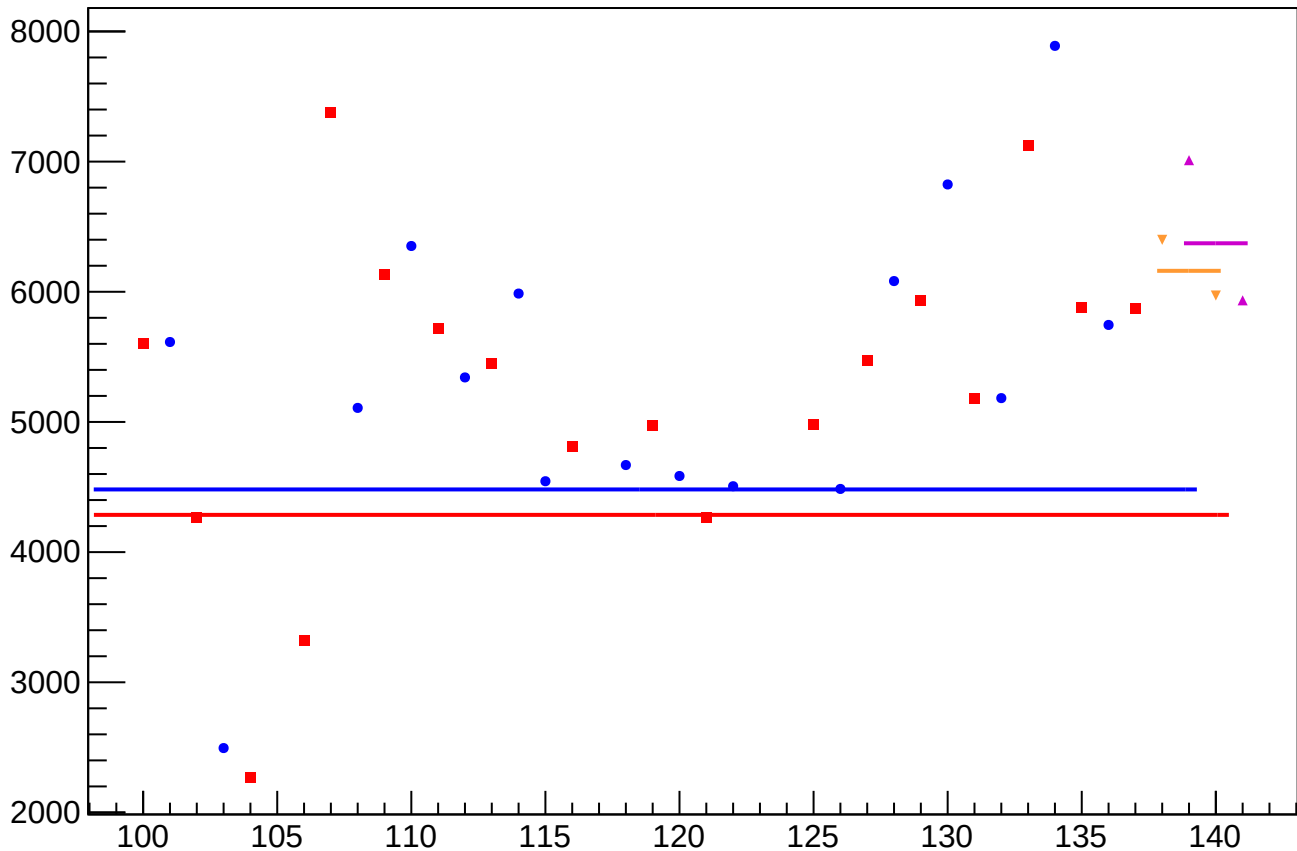
Left In: 2194.000 $\pm$ 4878.340 χ^2 /NDF: 0.0/1

+ sign -351.004 $\pm$ 1653.453 χ^2 /NDF: 16.4/17

All: -12.210 $\pm$ 1152.532 χ^2 /NDF: 32.3/37

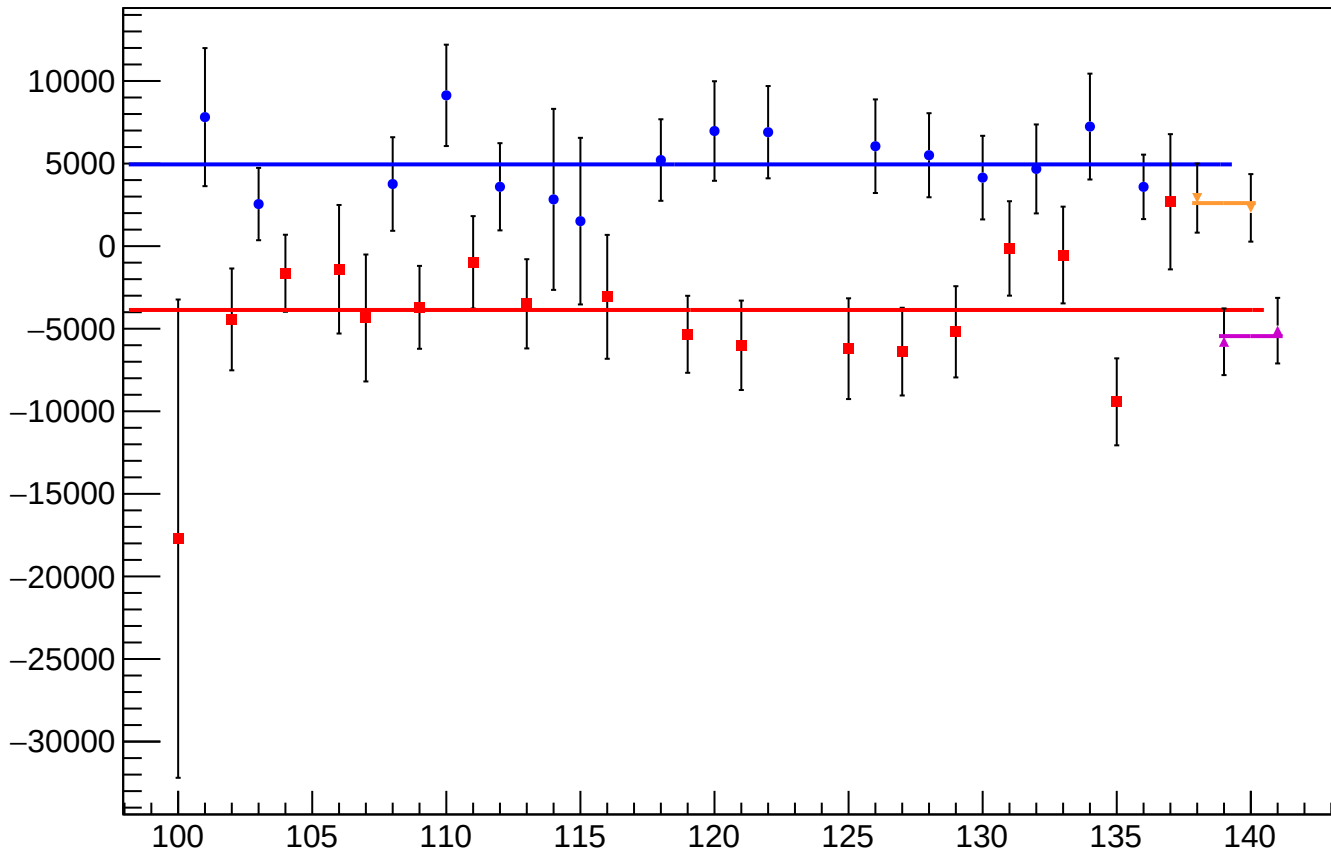
- sign 307.965 $\pm$ 1607.376 χ^2 /NDF: 15.8/19

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF : 1362255.0/15
 Left Out: 6160.973+/-3.444 χ^2/NDF : 3809.6/1
 Right Out: 4286.125+/-1.204 χ^2/NDF : 1549852.7/17
 Left In: 6372.566+/-3.450 χ^2/NDF : 23511.4/1
 + sign 4675.122+/-1.169 χ^2/NDF : 1576508.0/17
 All: 4591.586+/-0.815 χ^2/NDF : 3485929.2/37
 - sign 4512.640+/-1.137 χ^2/NDF : 1899491.8/19

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

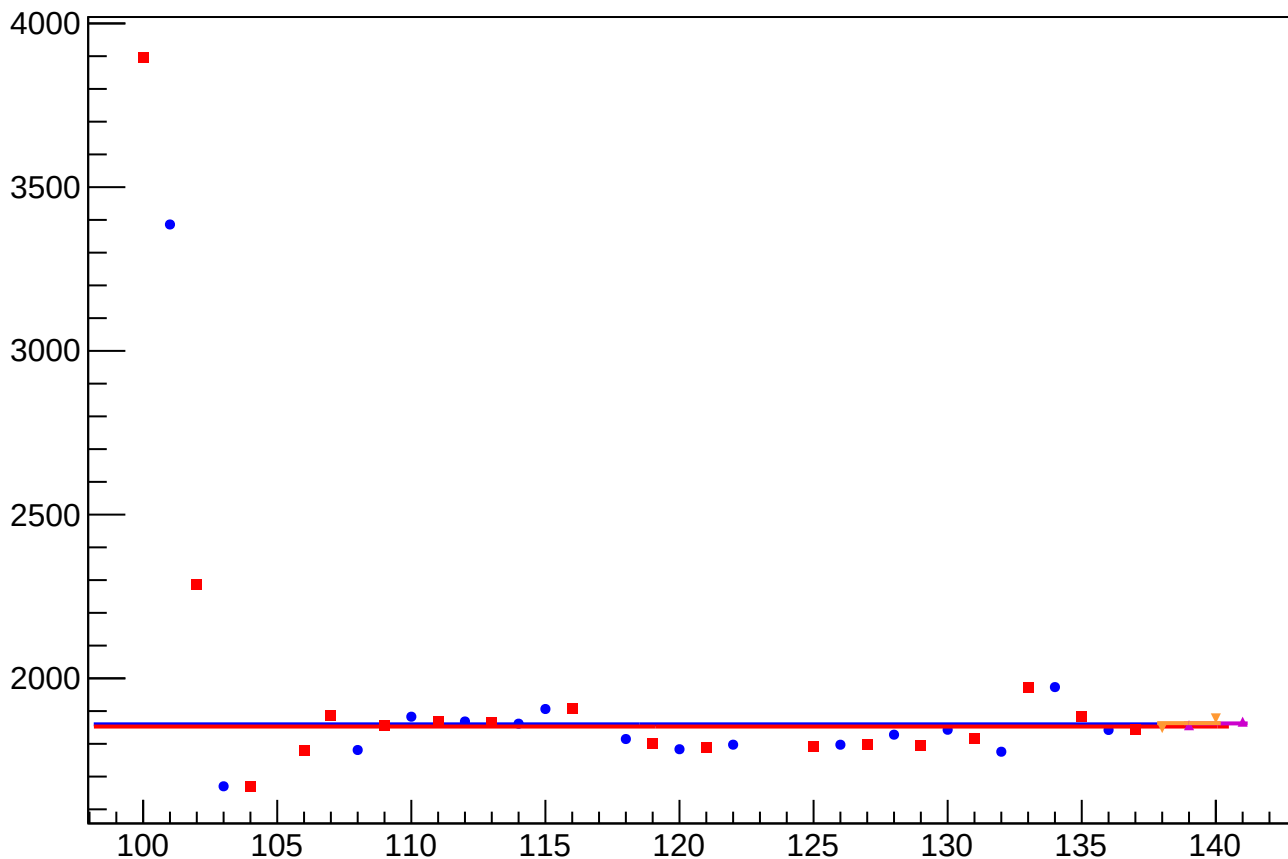
Left In: -5448.265 $\pm$ 1415.728 χ^2 /NDF:0.1/1

+ sign 4514.011 $\pm$ 630.606 χ^2 /NDF: 9.0/17

All: 127.863 $\pm$ 443.711 χ^2 /NDF: 122.0/37

- sign -4172.964 $\pm$ 624.442 χ^2 /NDF: 17.2/19

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

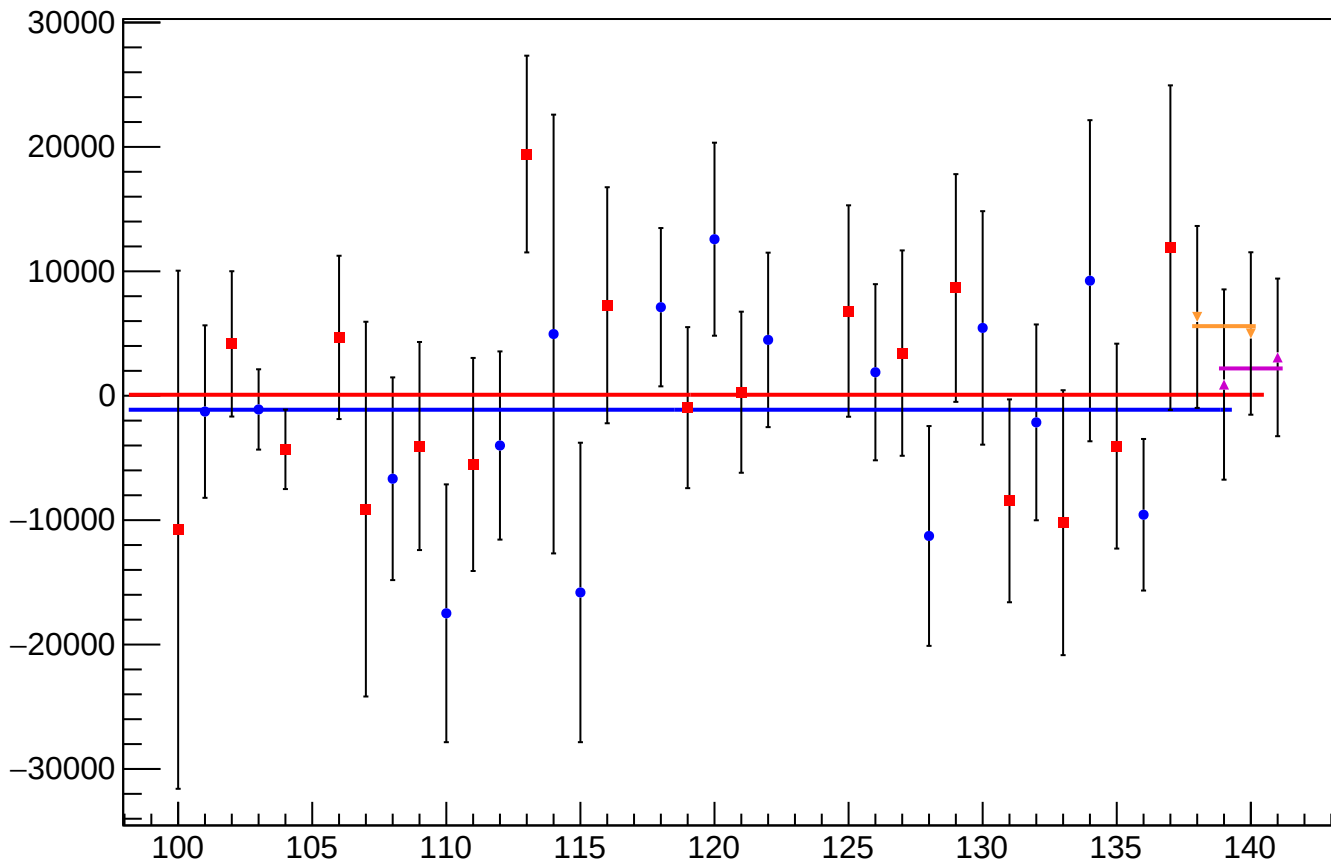
Left In: 1862.361 $\pm$ 1.001 χ^2 /NDF:28.9/1

+ sign 1860.201 $\pm$ 0.446 χ^2 /NDF: 292551.3/17

All: 1857.381 $\pm$ 0.313 χ^2 /NDF: 394483.8/37

- sign 1854.628 $\pm$ 0.441 χ^2 /NDF: 101853.5/19

asym_us_avg_atlr_avg_avg_eigen_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

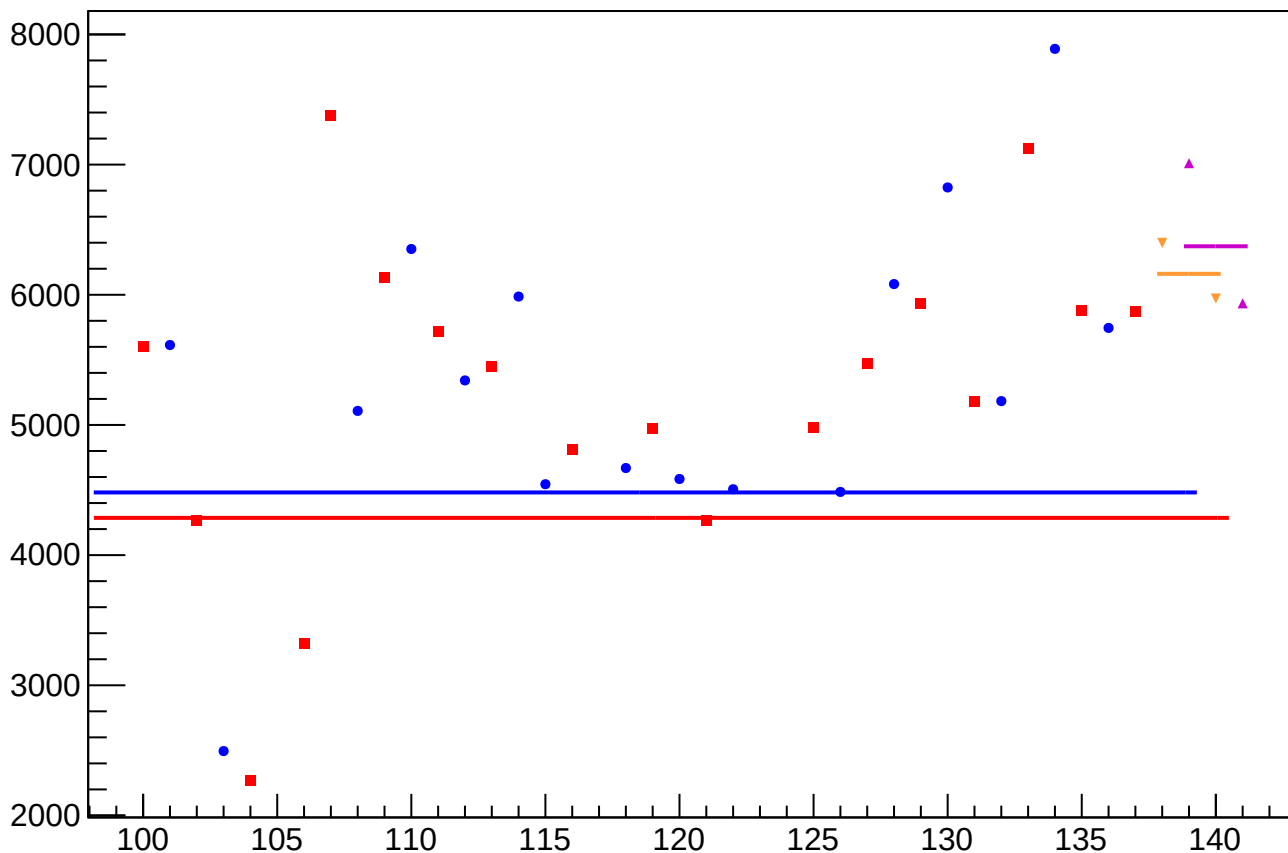
Left In: 2194.000 $\pm$ 4878.340 χ^2 /NDF: 0.0/1

+ sign -351.004 $\pm$ 1653.453 χ^2 /NDF: 16.4/17

All: -12.210 $\pm$ 1152.532 χ^2 /NDF: 32.3/37

- sign 307.965 $\pm$ 1607.376 χ^2 /NDF: 15.8/19

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

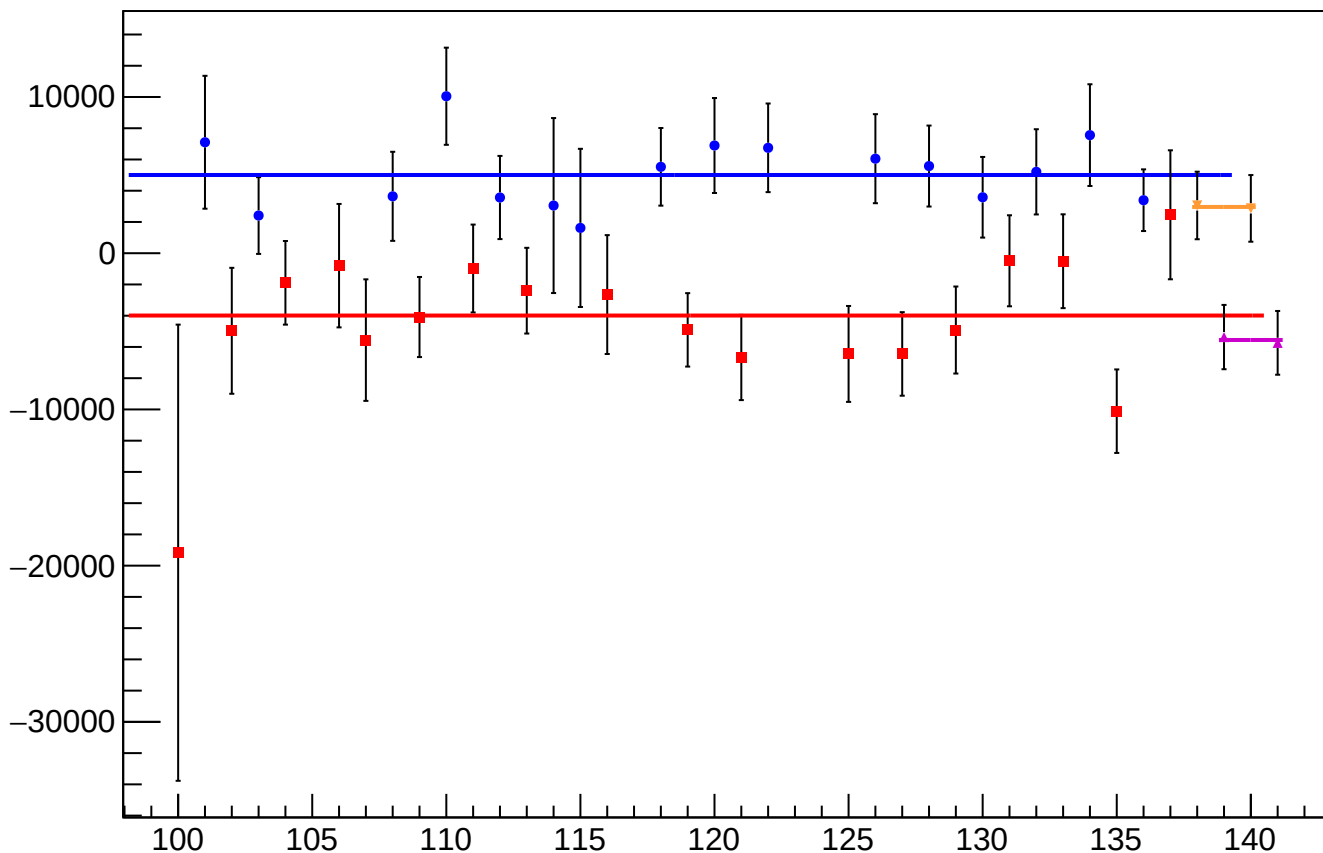
Left In: 6372.566+/-3.450 χ^2/NDF : 23511.4/1

+ sign 4675.122+/-1.169 χ^2/NDF : 1576508.0/17

All: 4591.586+/-0.815 χ^2/NDF : 3485929.2/37

- sign 4512.640+/-1.137 χ^2/NDF : 1899491.8/19

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF : 7.7/15

Left Out: 2961.664+/-1518.675 χ^2/NDF : 0.0/1

Right Out: -3989.193+/-719.024 χ^2/NDF : 17.4/17

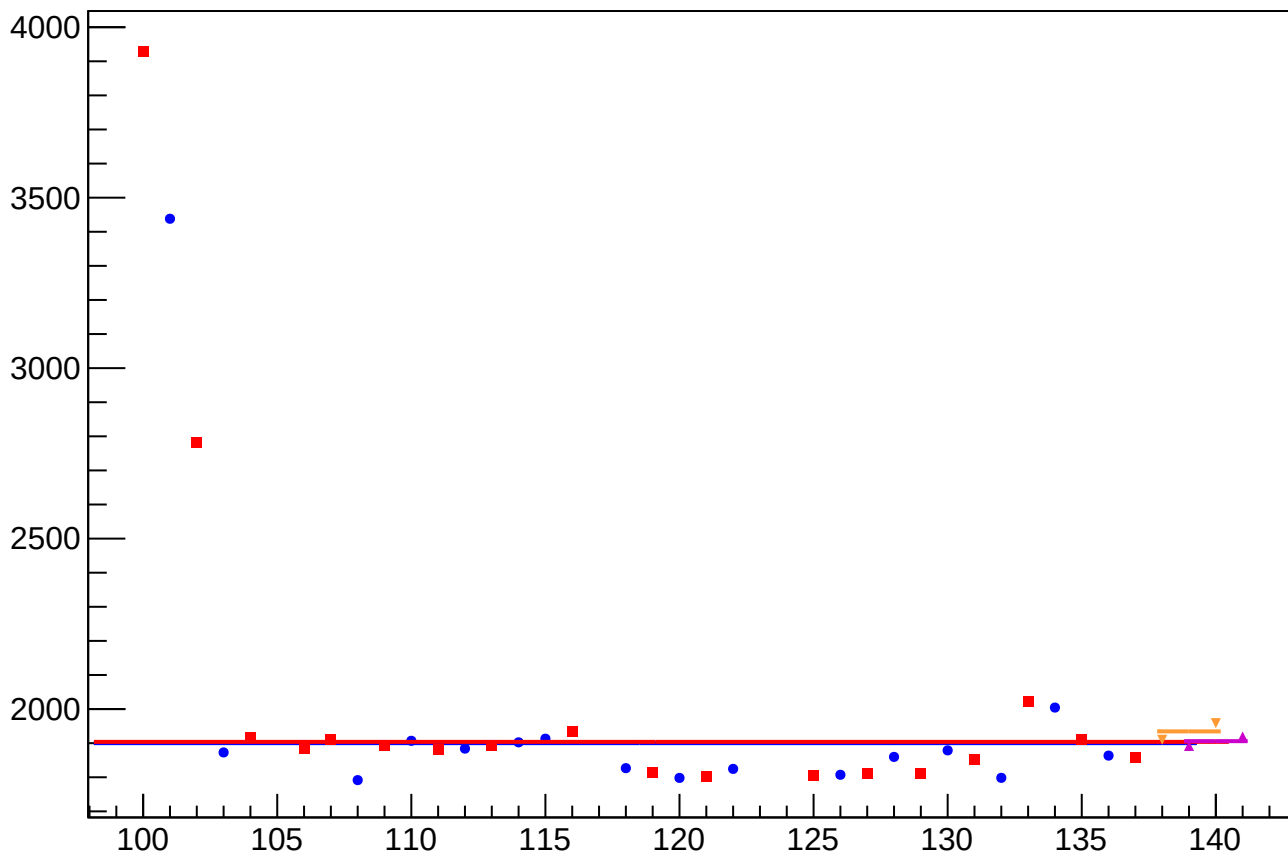
Left In: -5554.352+/-1449.157 χ^2/NDF : 0.0/1

+ sign 4636.950+/-646.196 χ^2/NDF : 9.2/17

All: 154.762+/-456.186 χ^2/NDF : 123.4/37

- sign -4298.389+/-644.099 χ^2/NDF : 18.3/19

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF : 278448.2/15

Left Out: 1934.587+/-1.074 χ^2/NDF : 515.1/1

Right Out: 1903.827+/-0.508 χ^2/NDF : 150115.8/17

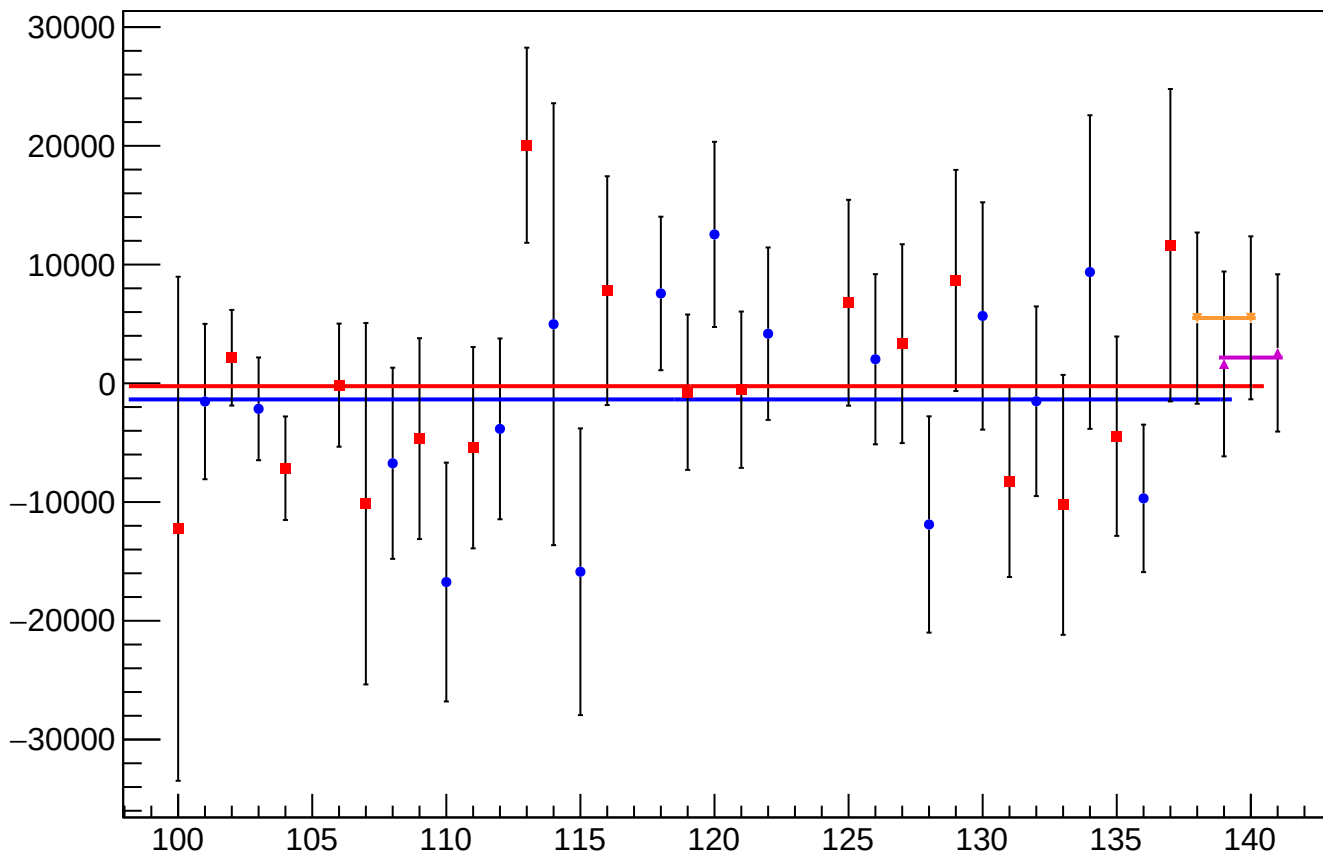
Left In: 1905.912+/-1.025 χ^2/NDF : 181.5/1

+ sign 1906.353+/-0.457 χ^2/NDF : 279807.4/17

All: 1905.291+/-0.322 χ^2/NDF : 430118.9/37

- sign 1904.238+/-0.455 χ^2/NDF : 150300.7/19

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: -1356.615+/-1895.990 χ^2/NDF : 14.7/15

Left Out: 5502.336+/-4971.254 χ^2/NDF : 0.0/1

Right Out: -241.153+/-1712.681 χ^2/NDF : 15.7/17

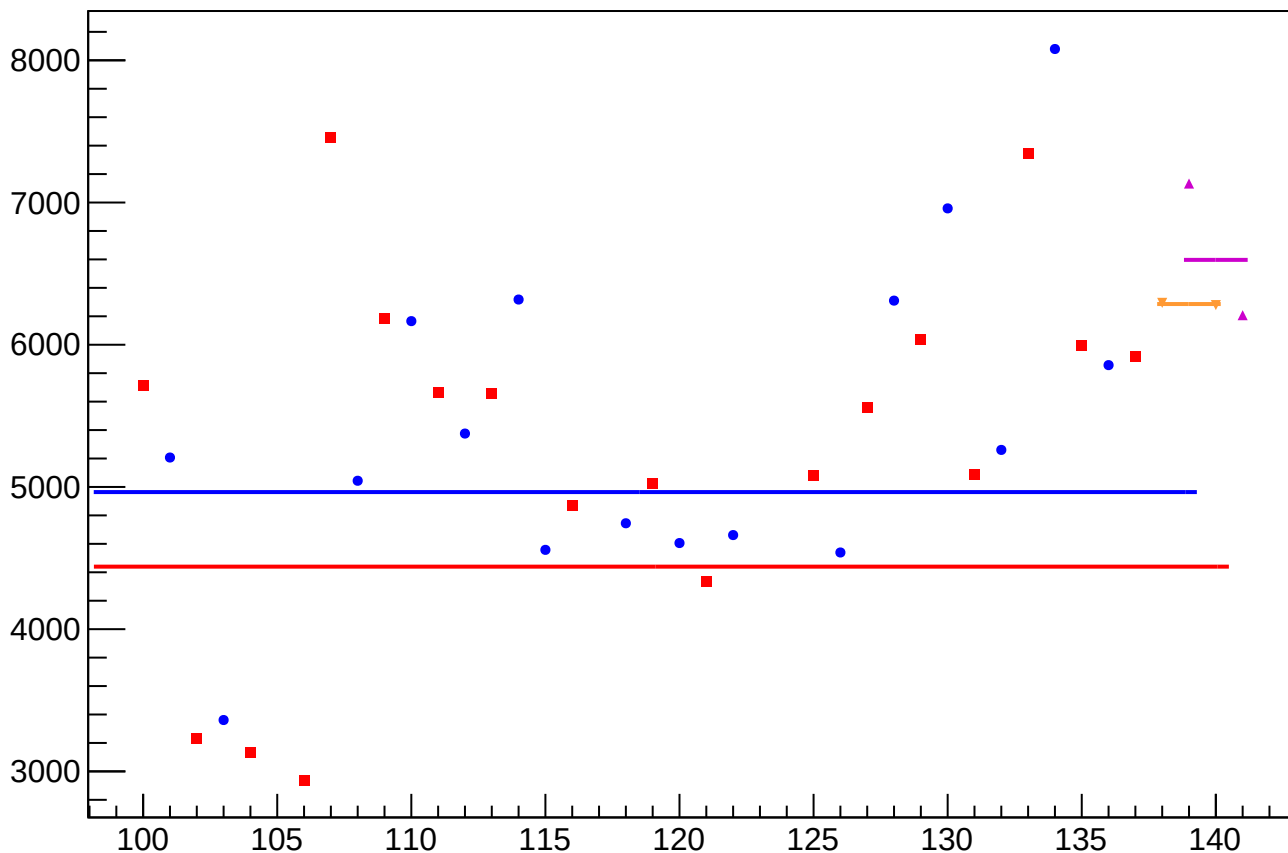
Left In: 2168.976+/-5044.333 χ^2/NDF : 0.0/1

+ sign -485.614+/-1771.521 χ^2/NDF : 16.4/17

All: -217.083+/-1196.202 χ^2/NDF : 32.4/37

- sign 7.964+/-1621.754 χ^2/NDF : 15.9/19

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 4963.998+/-1.341 χ^2/NDF : 627377.0/15

Left Out: 6286.205+/-3.515 χ^2/NDF : 5.0/1

Right Out: 4439.675+/-1.211 χ^2/NDF : 1158510.1/17

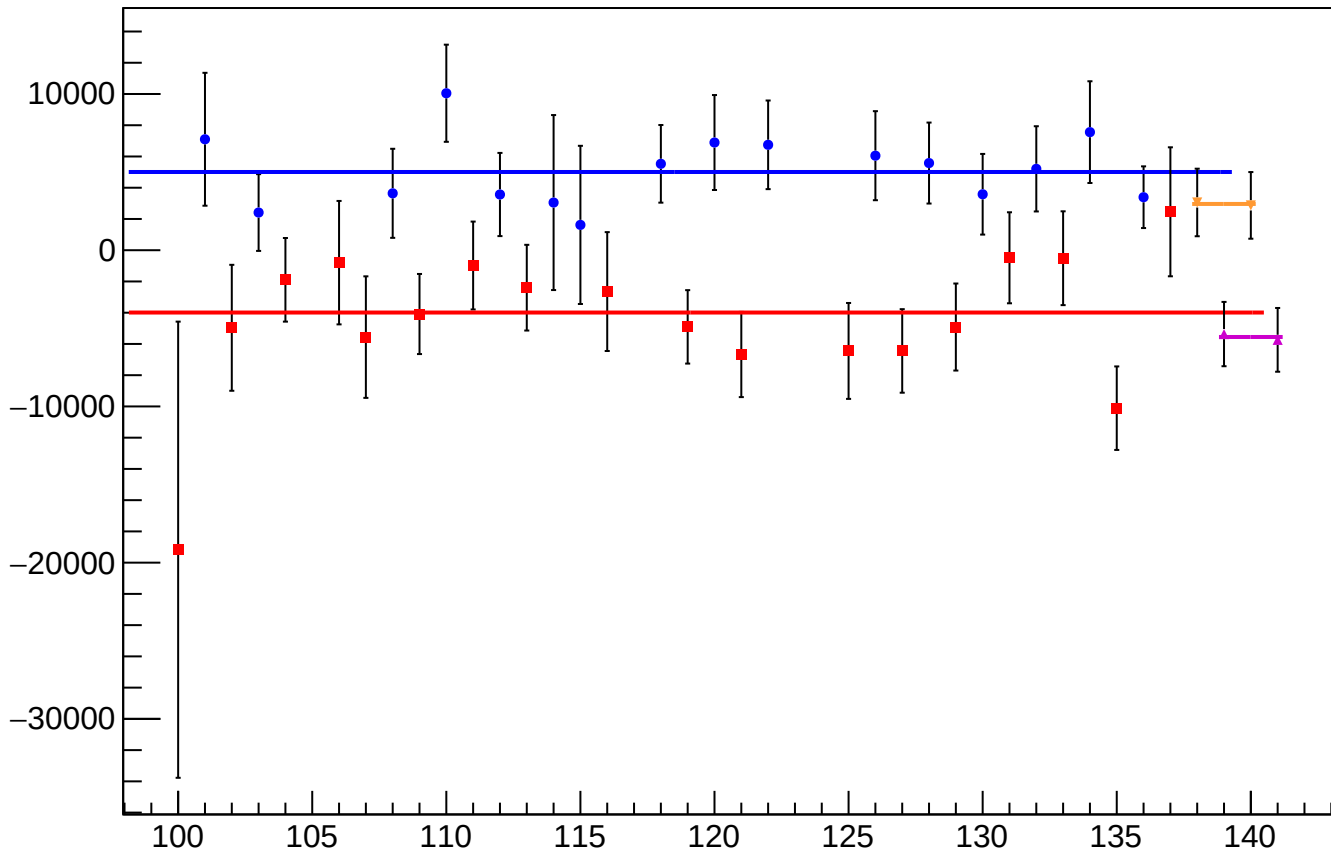
Left In: 6596.748+/-3.567 χ^2/NDF : 16408.6/1

+ sign 5131.902+/-1.253 χ^2/NDF : 750896.3/17

All: 4876.597+/-0.846 χ^2/NDF : 2330087.3/37

- sign 4662.635+/-1.147 χ^2/NDF : 1502839.6/19

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

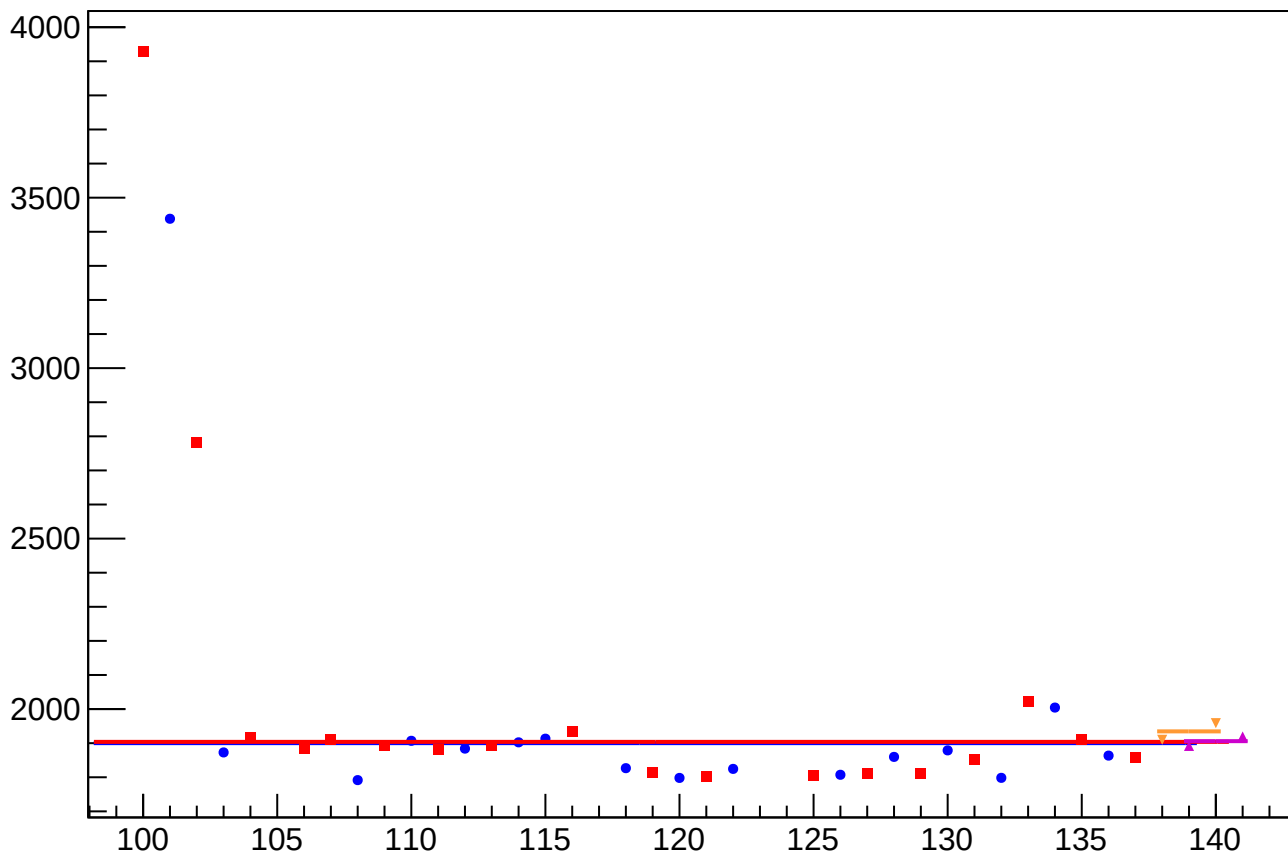
Left In: -5554.336+/-1449.157 χ^2/NDF : 0.0/1

+ sign 4636.950+/-646.196 χ^2/NDF : 9.2/17

All: 154.764+/-456.186 χ^2/NDF : 123.4/37

- sign -4298.385+/-644.099 χ^2/NDF : 18.3/19

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF : 278448.5/15

Left Out: 1934.587+/-1.074 χ^2/NDF : 515.2/1

Right Out: 1903.826+/-0.508 χ^2/NDF : 150115.1/17

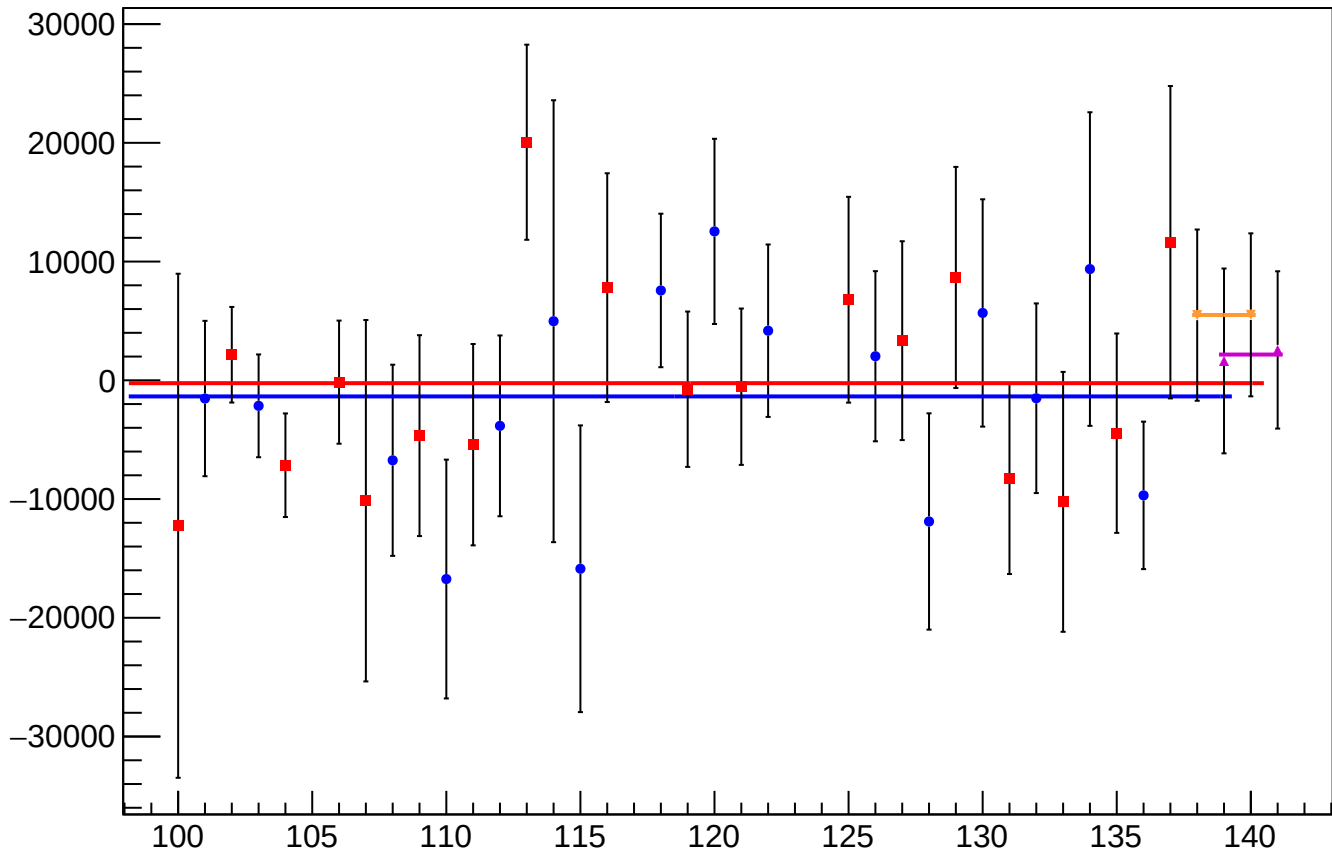
Left In: 1905.913+/-1.025 χ^2/NDF : 181.5/1

+ sign 1906.353+/-0.457 χ^2/NDF : 279807.7/17

All: 1905.291+/-0.322 χ^2/NDF : 430118.5/37

- sign 1904.238+/-0.455 χ^2/NDF : 150300.0/19

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1356.604 ± 1895.985 χ^2/NDF : 14.7/15

Left Out: 5502.342 ± 4971.262 χ^2/NDF : 0.0/1

Right Out: -241.155 ± 1712.677 χ^2/NDF : 15.7/17

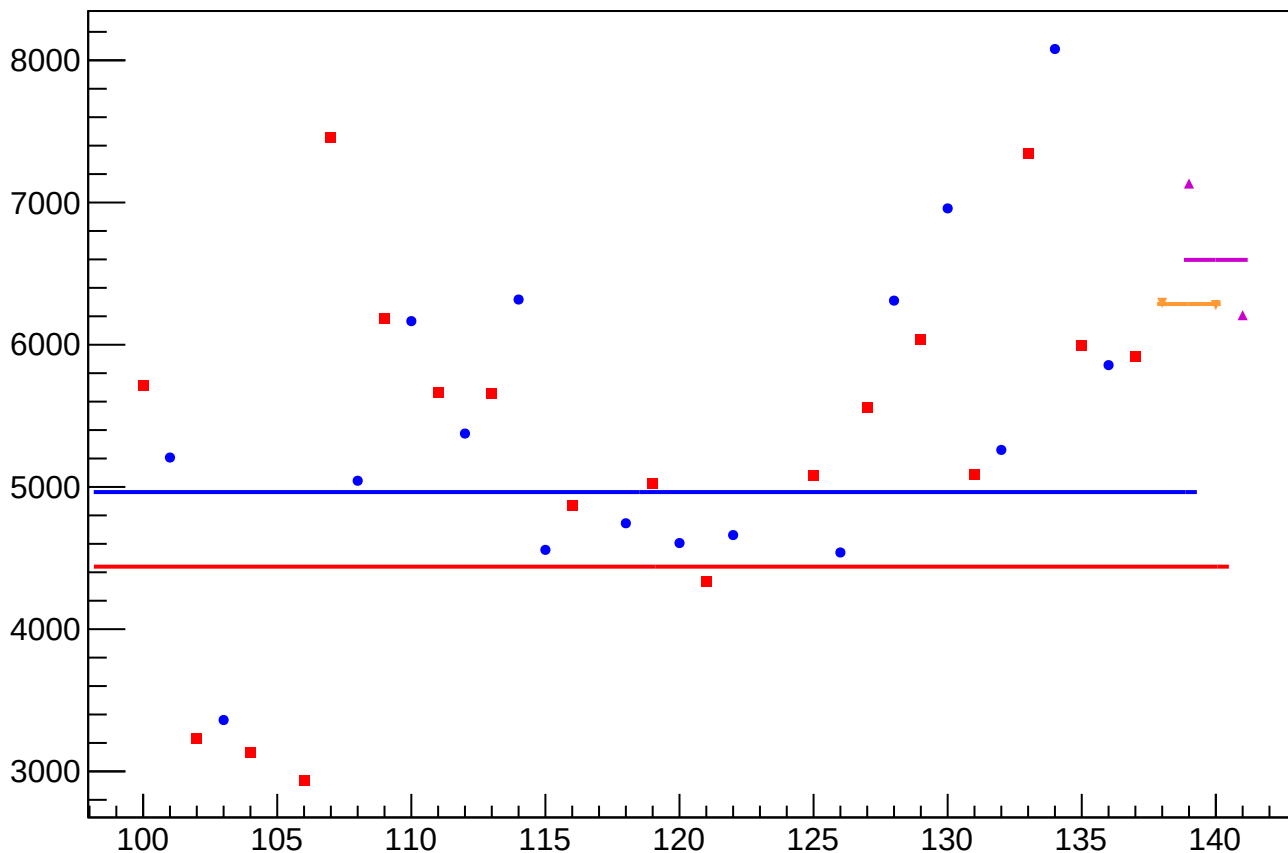
Left In: 2168.990 ± 5044.342 χ^2/NDF : 0.0/1

+ sign -485.610 ± 1771.517 χ^2/NDF : 16.4/17

All: -217.082 ± 1196.200 χ^2/NDF : 32.4/37

- sign 7.962 ± 1621.751 χ^2/NDF : 15.9/19

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4963.985+/-1.341 χ^2/NDF : 627379.5/15

Left Out: 6286.215+/-3.515 χ^2/NDF : 5.0/1

Right Out: 4439.663+/-1.211 χ^2/NDF : 1158509.7/17

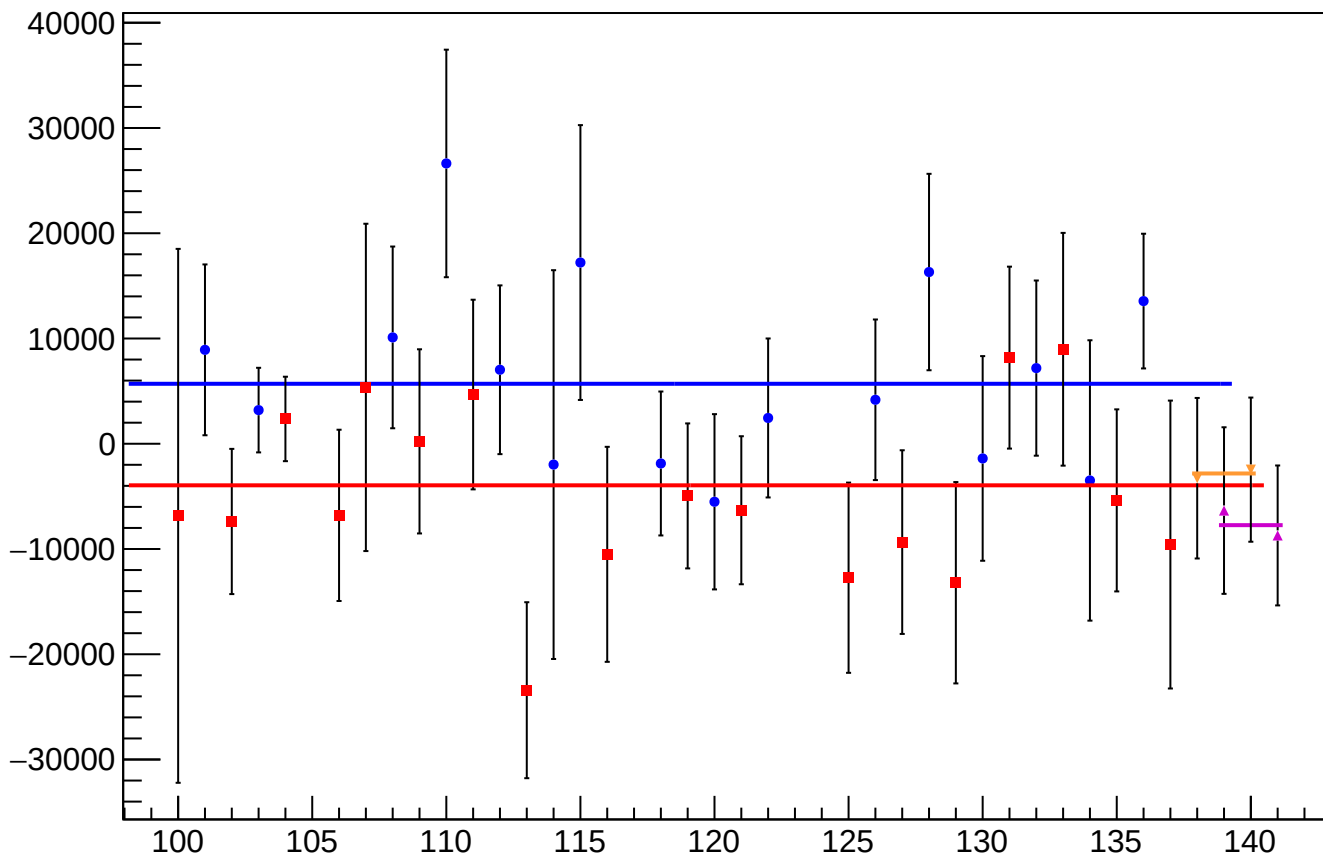
Left In: 6596.758+/-3.567 χ^2/NDF : 16409.0/1

+ sign 5131.891+/-1.253 χ^2/NDF : 750902.9/17

All: 4876.586+/-0.846 χ^2/NDF : 2330099.8/37

- sign 4662.624+/-1.147 χ^2/NDF : 1502845.4/19

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF : 12.6/15

Left Out: -2824.009+/-5095.748 χ^2/NDF : 0.0/1

Right Out: -3949.394+/-1920.582 χ^2/NDF : 16.1/17

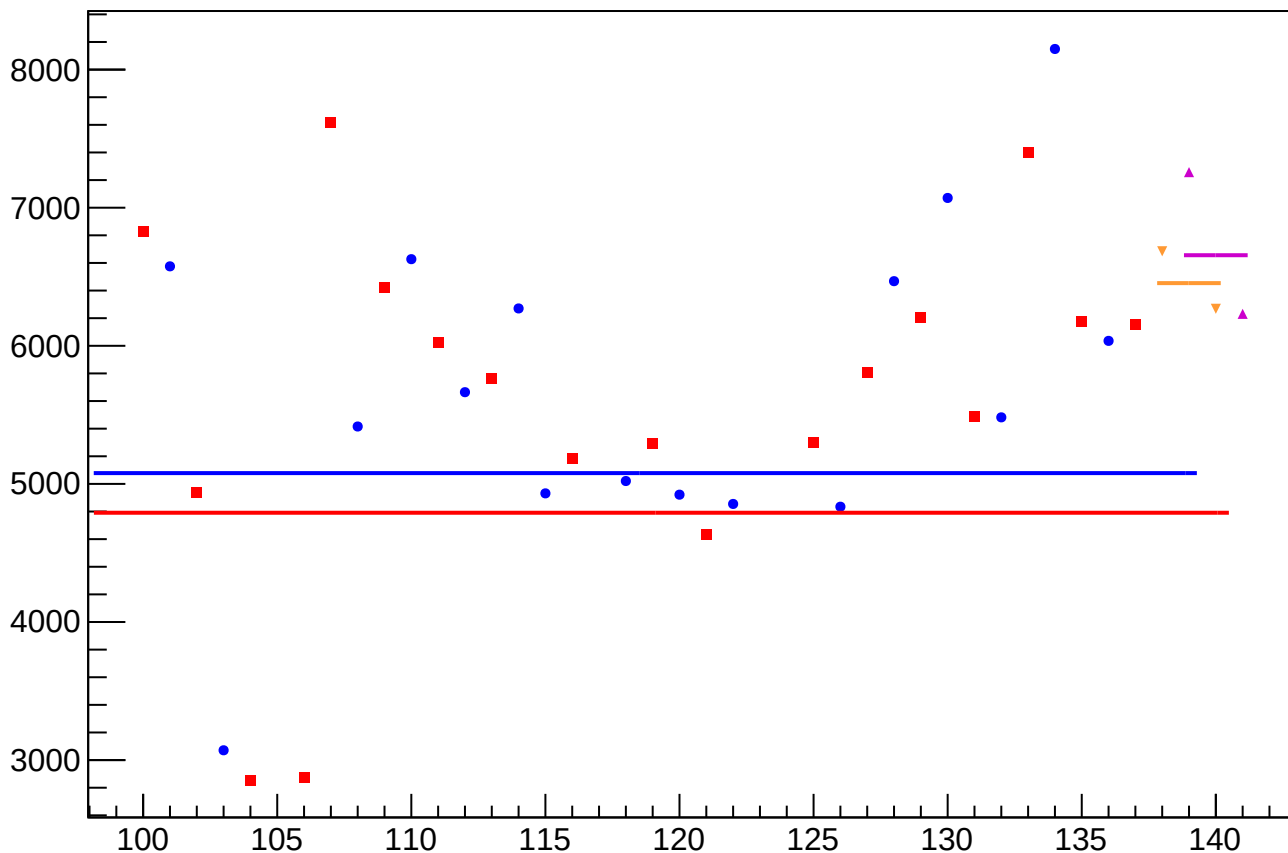
Left In: -7734.199+/-5089.884 χ^2/NDF : 0.1/1

+ sign 4599.794+/-1828.707 χ^2/NDF : 15.1/17

All: 10.247+/-1281.703 χ^2/NDF : 44.1/37

- sign -4421.113+/-1796.915 χ^2/NDF : 16.7/19

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

Right Out: 4791.154+/-1.331 χ^2/NDF : 1162455.3/17

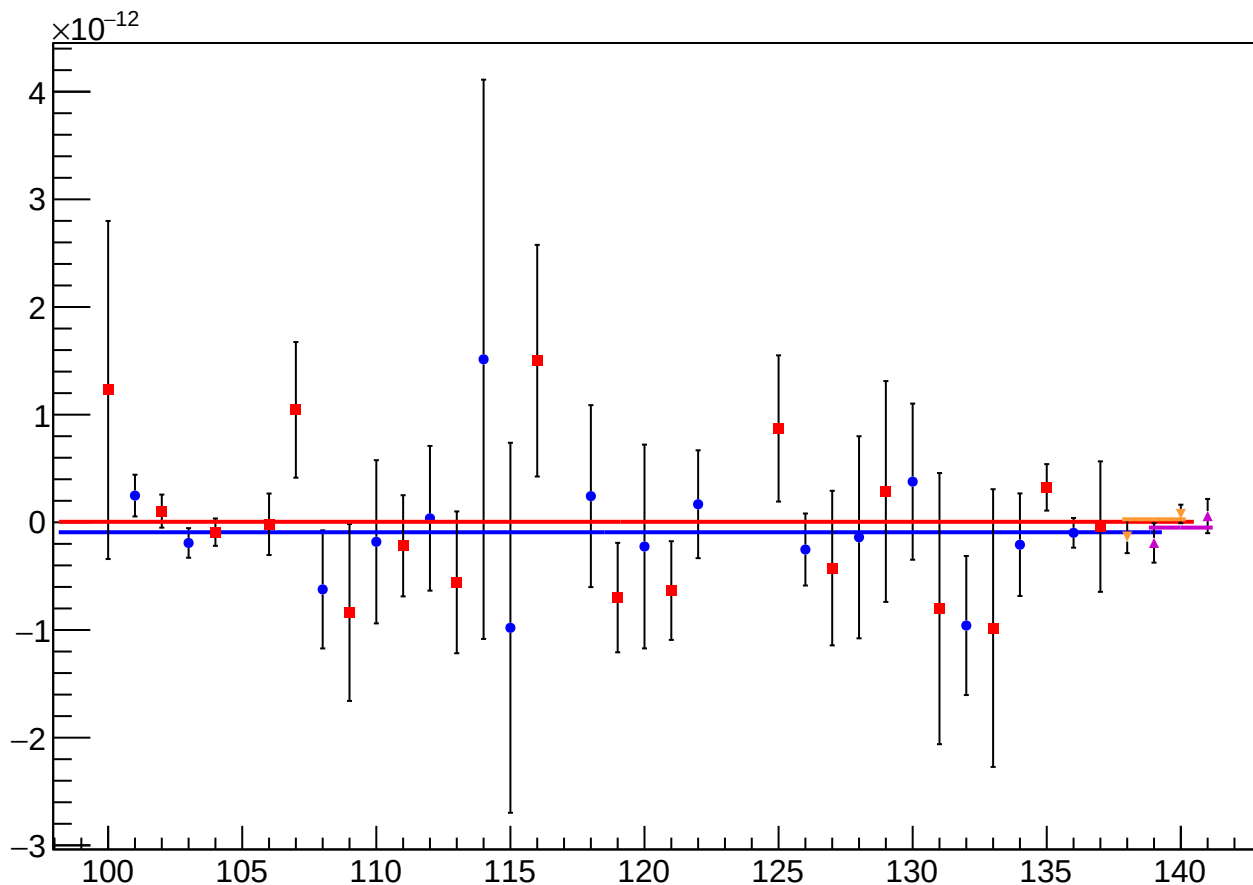
Left In: 6655.970+/-3.599 χ^2/NDF : 19715.3/1

+ sign 5255.330+/-1.293 χ^2/NDF : 1049514.2/17

All: 5131.134+/-0.898 χ^2/NDF : 2485682.7/37

- sign 5015.422+/-1.248 χ^2/NDF : 1418348.5/19

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 8.2/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.4/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.4/17

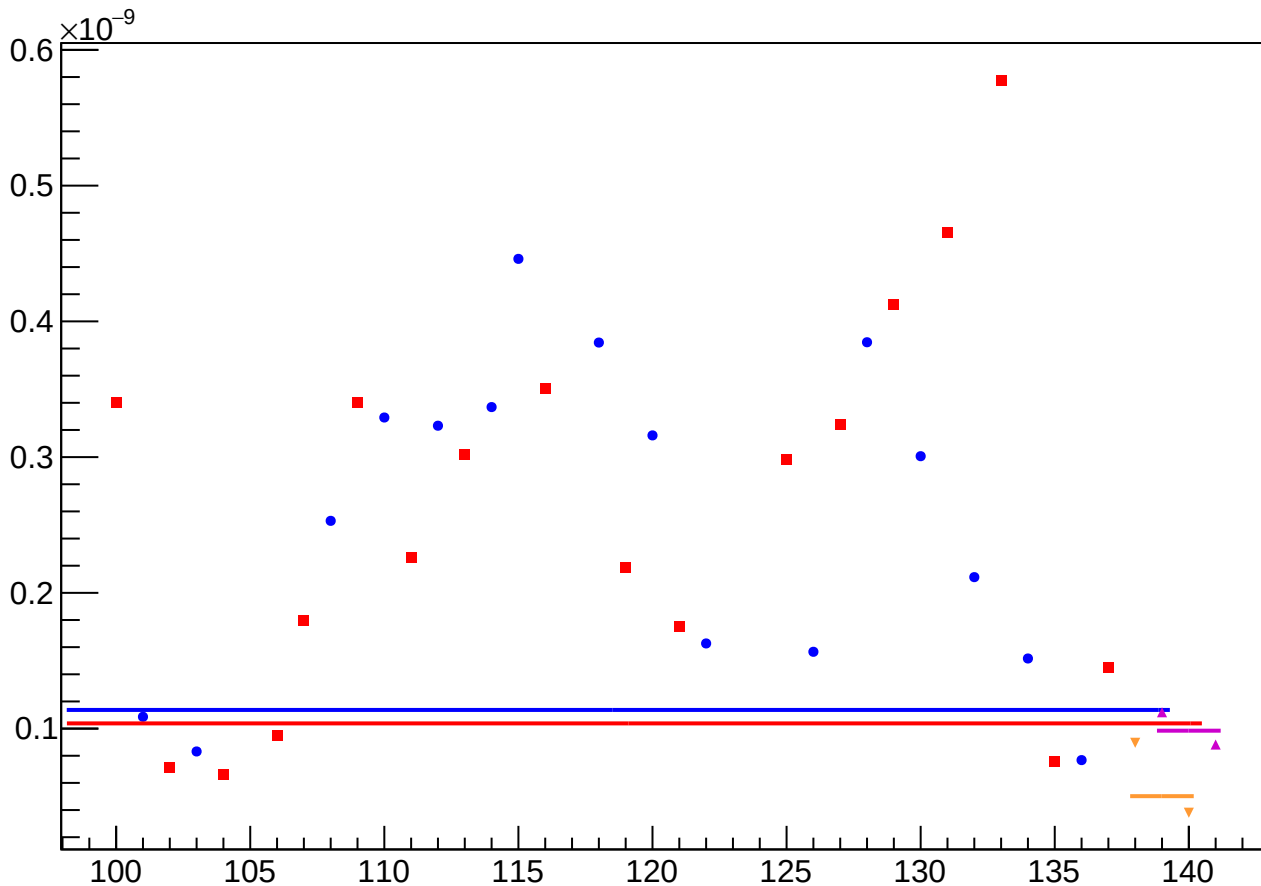
Left In: -0.000 ± 0.000 χ^2/NDF : 1.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 10.9/17

All: -0.000 ± 0.000 χ^2/NDF : 29.5/37

- sign -0.000 ± 0.000 χ^2/NDF : 18.6/19

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

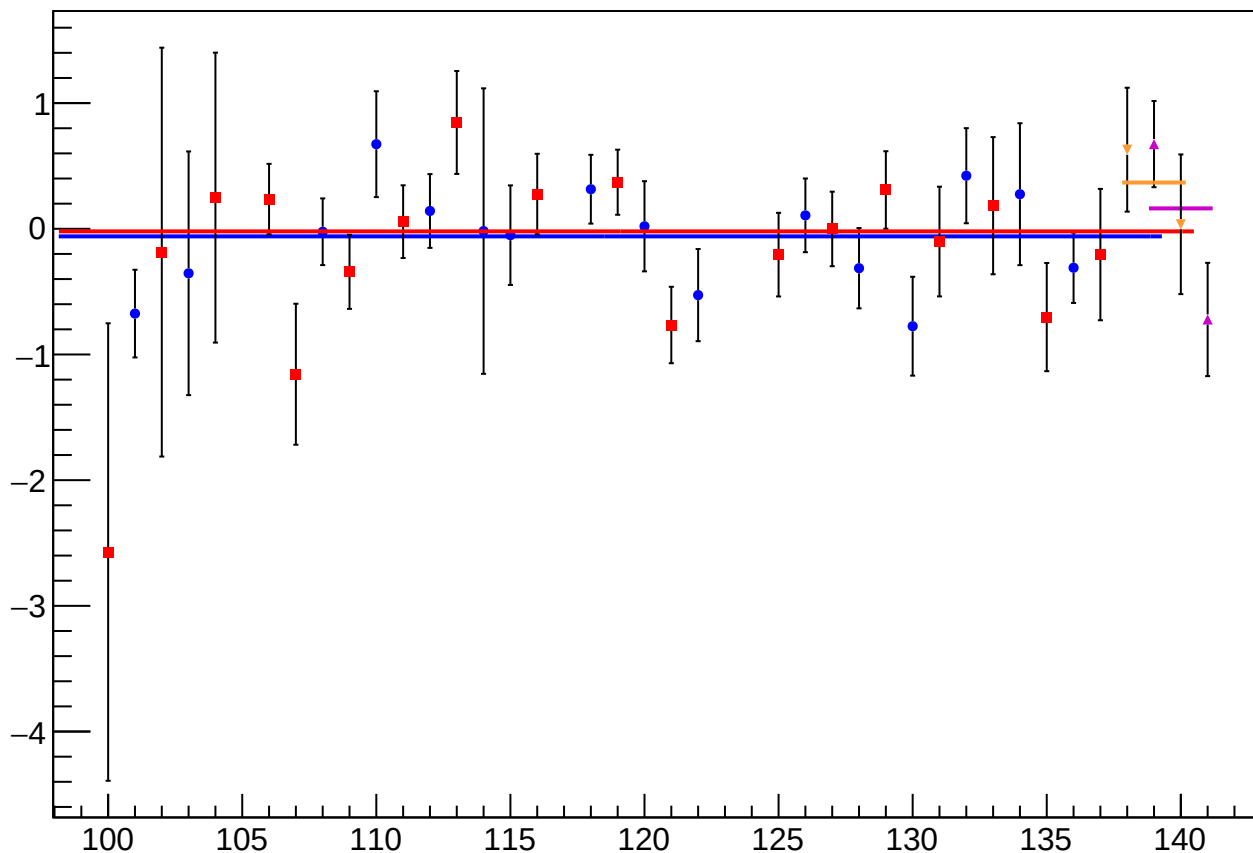
Left In: 0.000+/-0.000 χ^2/NDF :19209.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 2387018.5/17

All: 0.000+/-0.000 χ^2/NDF : 4626017.6/37

- sign 0.000+/-0.000 χ^2/NDF : 2109575.5/19

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

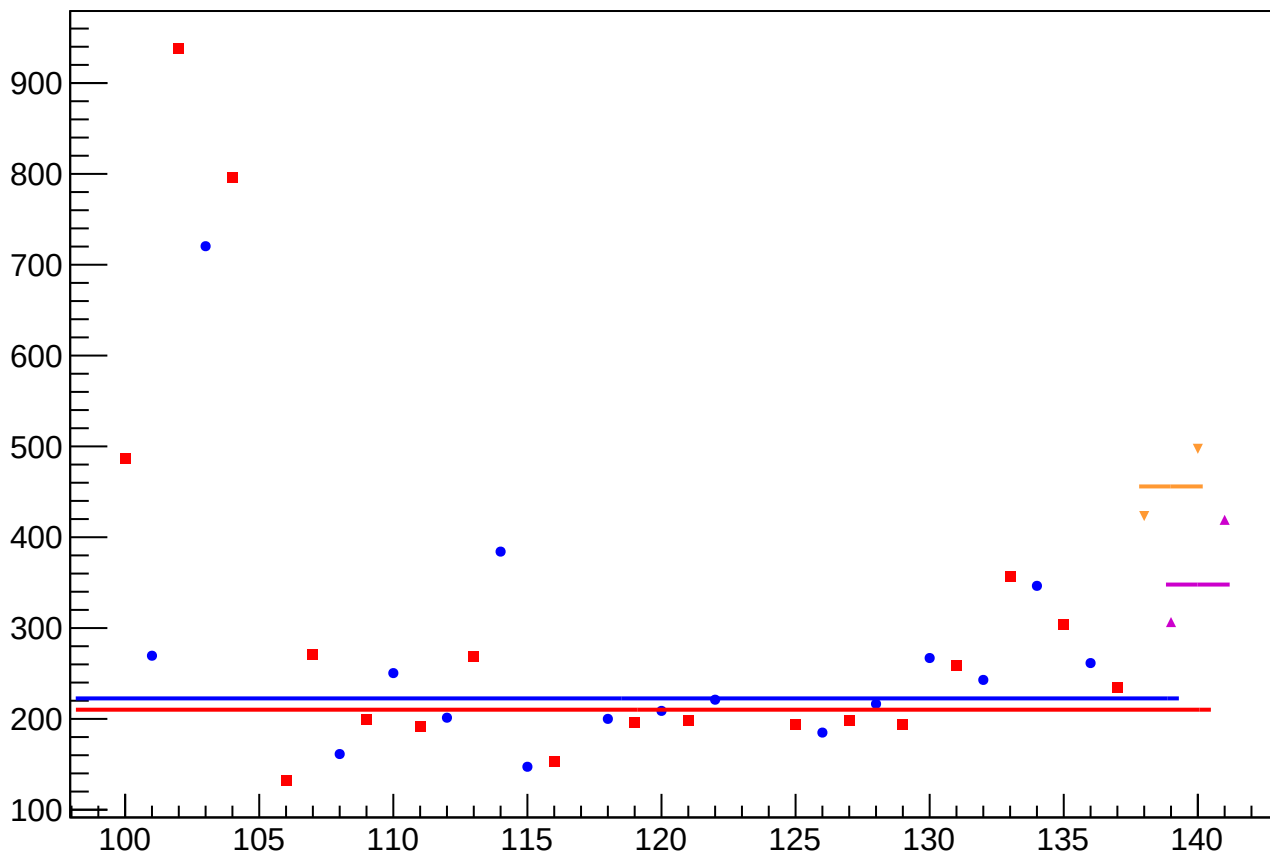
Left In: 0.162 ± 0.273 χ^2/NDF : 6.1/1

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.020 ± 0.060 χ^2/NDF : 51.9/37

- sign -0.003 ± 0.083 χ^2/NDF : 32.6/19

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

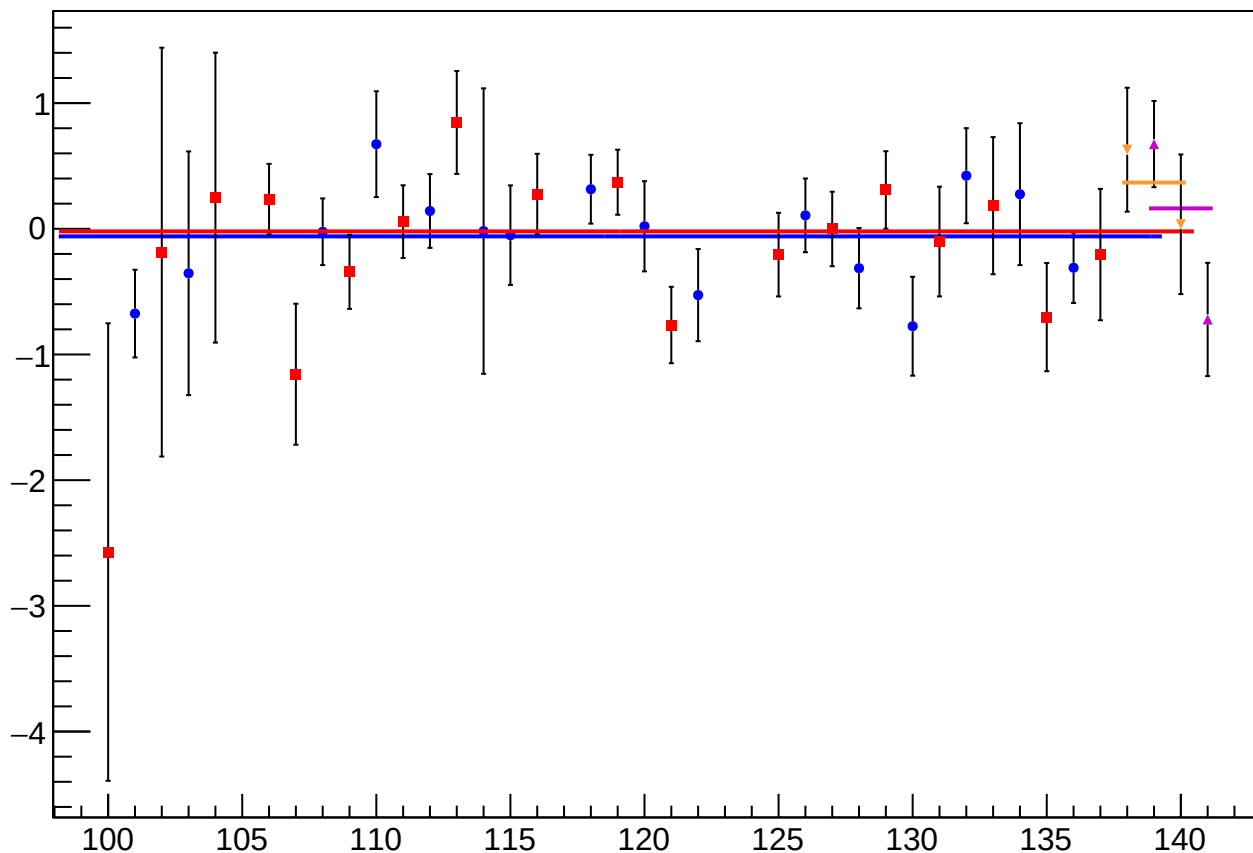
Left In: 347.896 $\pm$ 0.193 χ^2 /NDF:79019.5/1

+ sign 235.320 $\pm$ 0.061 χ^2 /NDF: 1795720.8/17

All: 228.921 $\pm$ 0.042 χ^2 /NDF: 3906975.2/37

- sign 222.950 $\pm$ 0.059 χ^2 /NDF: 2089948.5/19

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

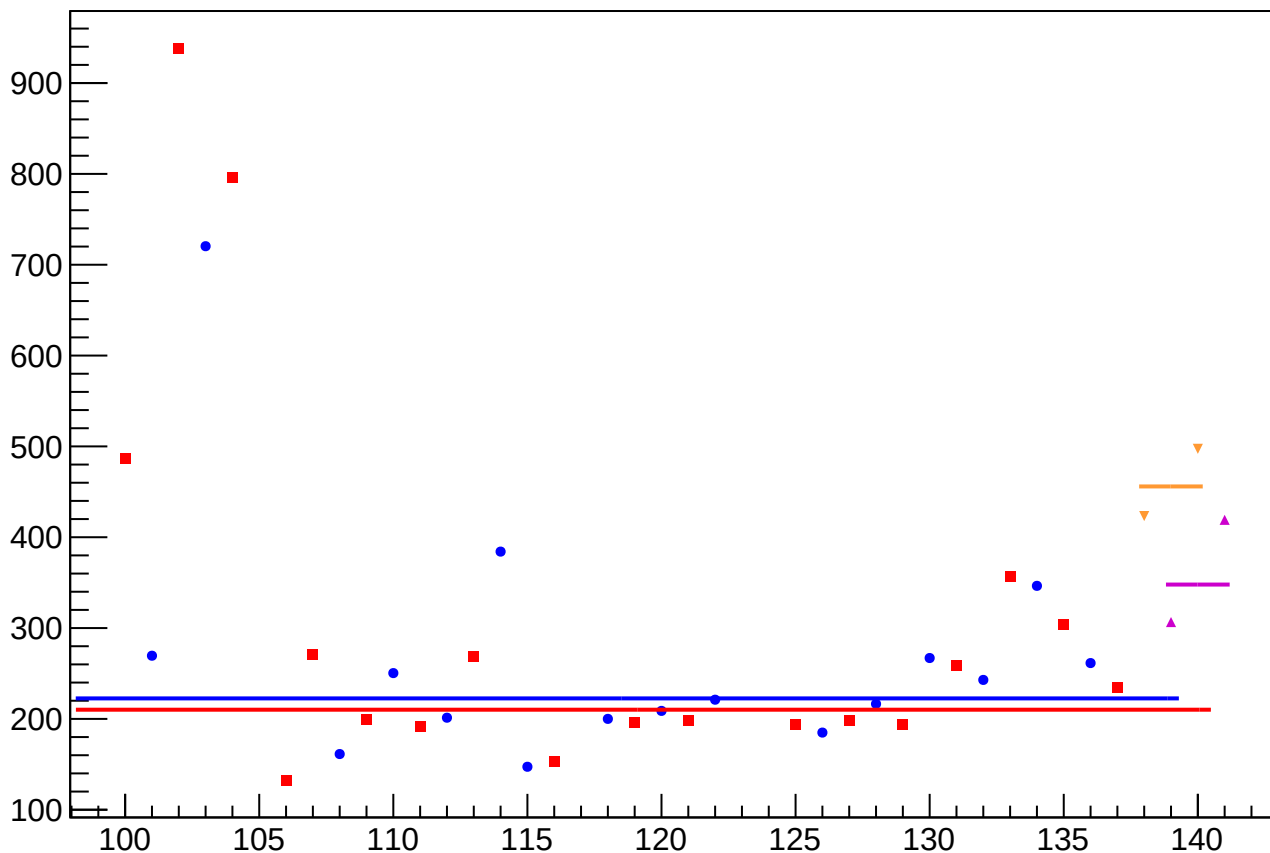
Left In: 0.162 ± 0.273 χ^2/NDF : 6.1/1

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.020 ± 0.060 χ^2/NDF : 51.9/37

- sign -0.003 ± 0.083 χ^2/NDF : 32.6/19

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

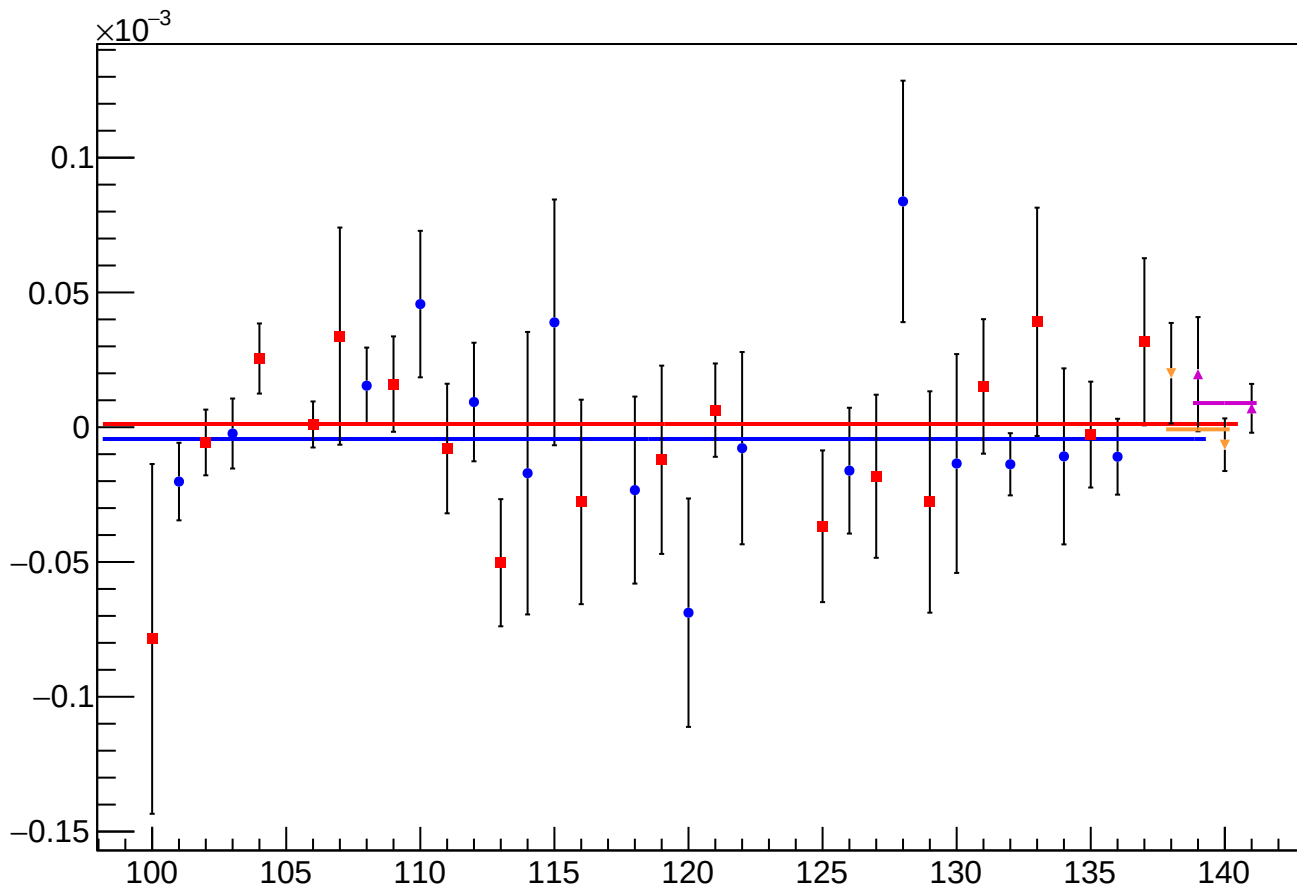
Left In: 347.896 $\pm$ 0.193 χ^2 /NDF:79019.5/1

+ sign 235.320 $\pm$ 0.061 χ^2 /NDF: 1795720.8/17

All: 228.921 $\pm$ 0.042 χ^2 /NDF: 3906975.2/37

- sign 222.950 $\pm$ 0.059 χ^2 /NDF: 2089948.5/19

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

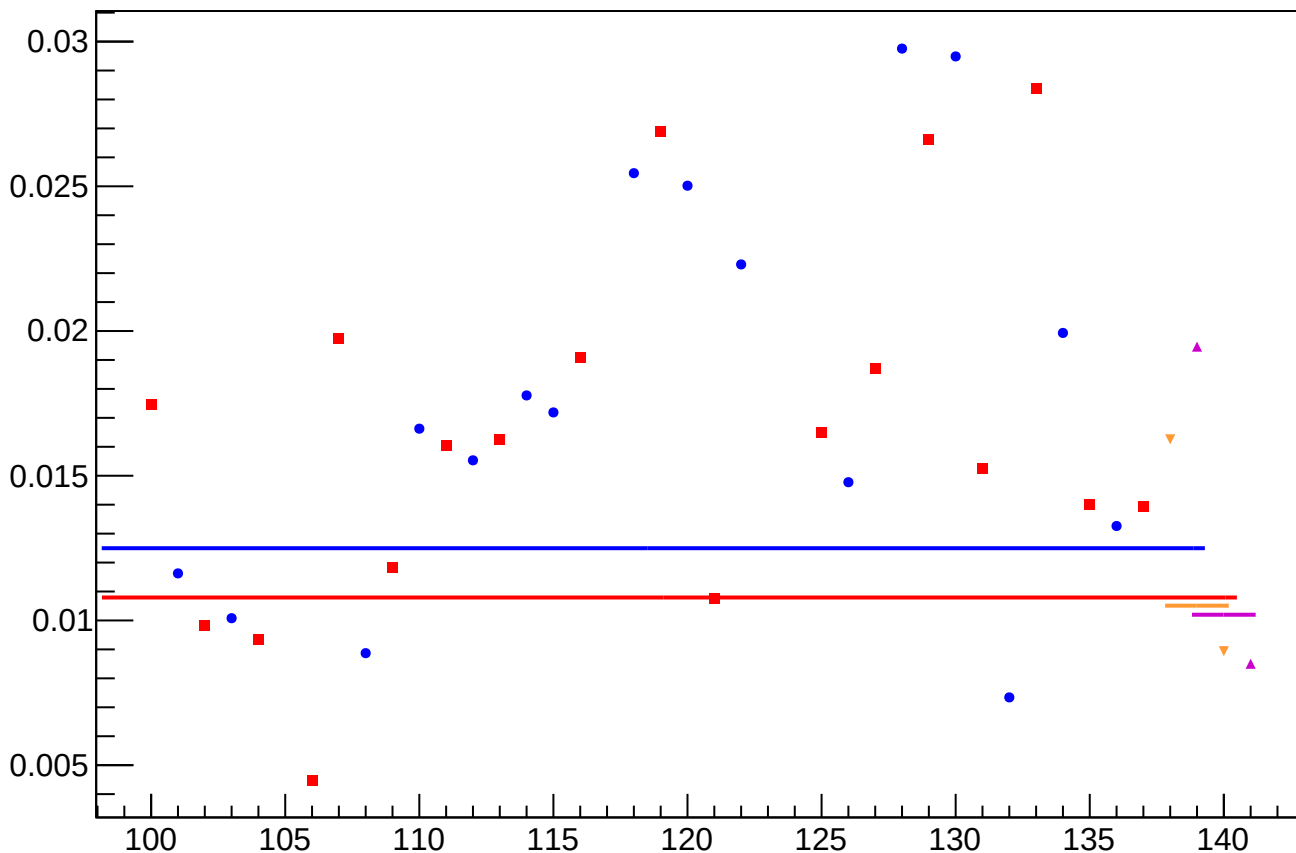
Left In: 0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.4/17

All: 0.000 ± 0.000 χ^2/NDF : 36.7/37

- sign 0.000 ± 0.000 χ^2/NDF : 18.2/19

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

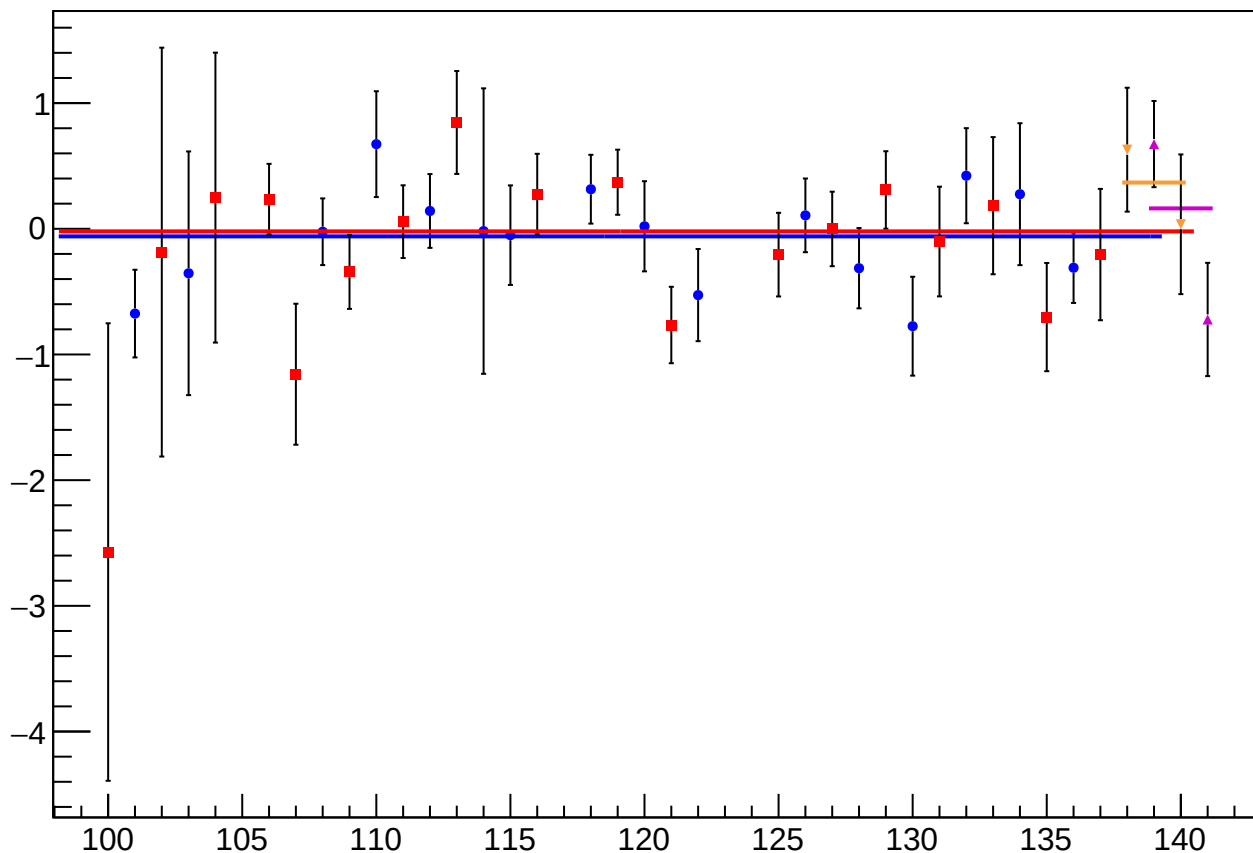
Left In: 0.010+/-0.000 χ^2/NDF : 452198.9/1

+ sign 0.012+/-0.000 χ^2/NDF : 2434827.3/17

All: 0.011+/-0.000 χ^2/NDF : 5982998.3/37

- sign 0.011+/-0.000 χ^2/NDF : 3447868.0/19

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

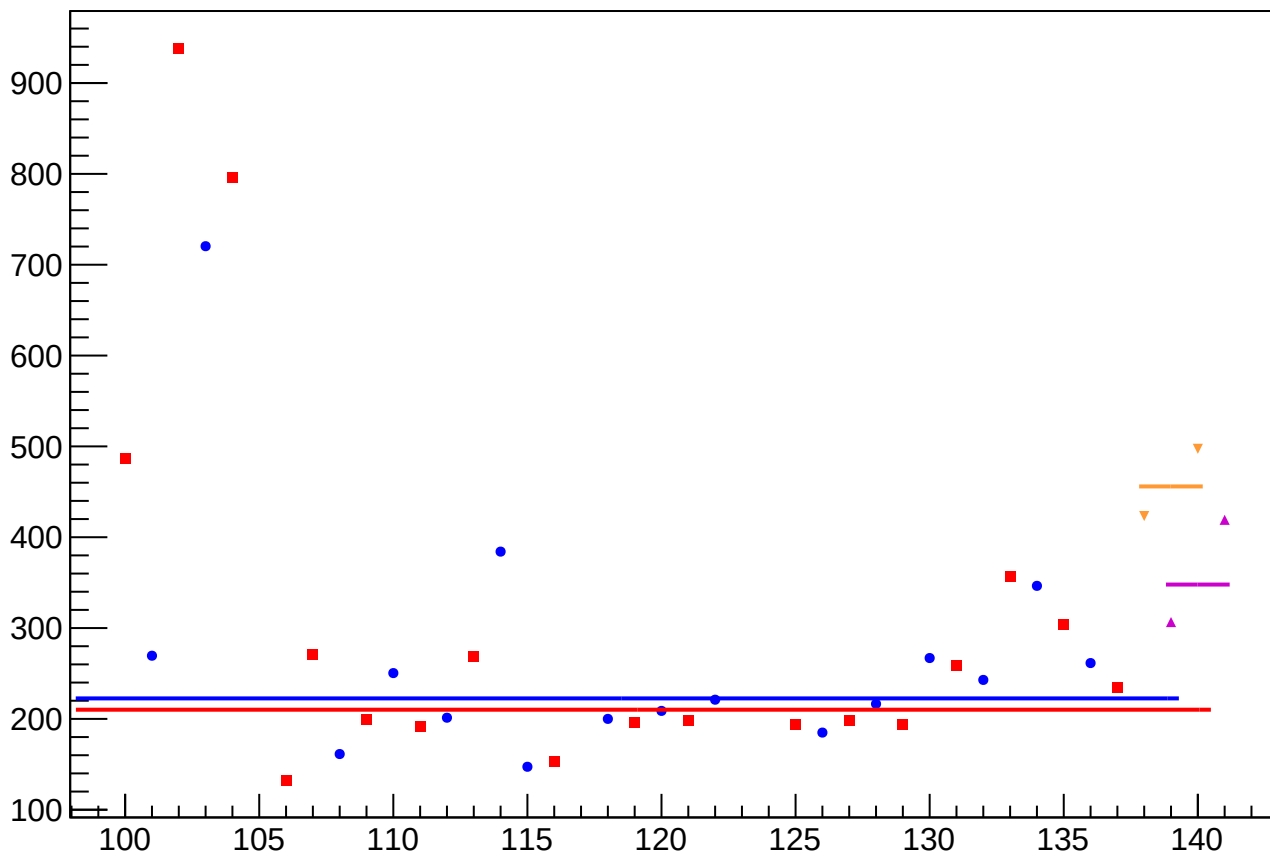
Left In: 0.162 ± 0.273 χ^2/NDF : 6.1/1

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.020 ± 0.060 χ^2/NDF : 51.9/37

- sign -0.003 ± 0.083 χ^2/NDF : 32.6/19

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

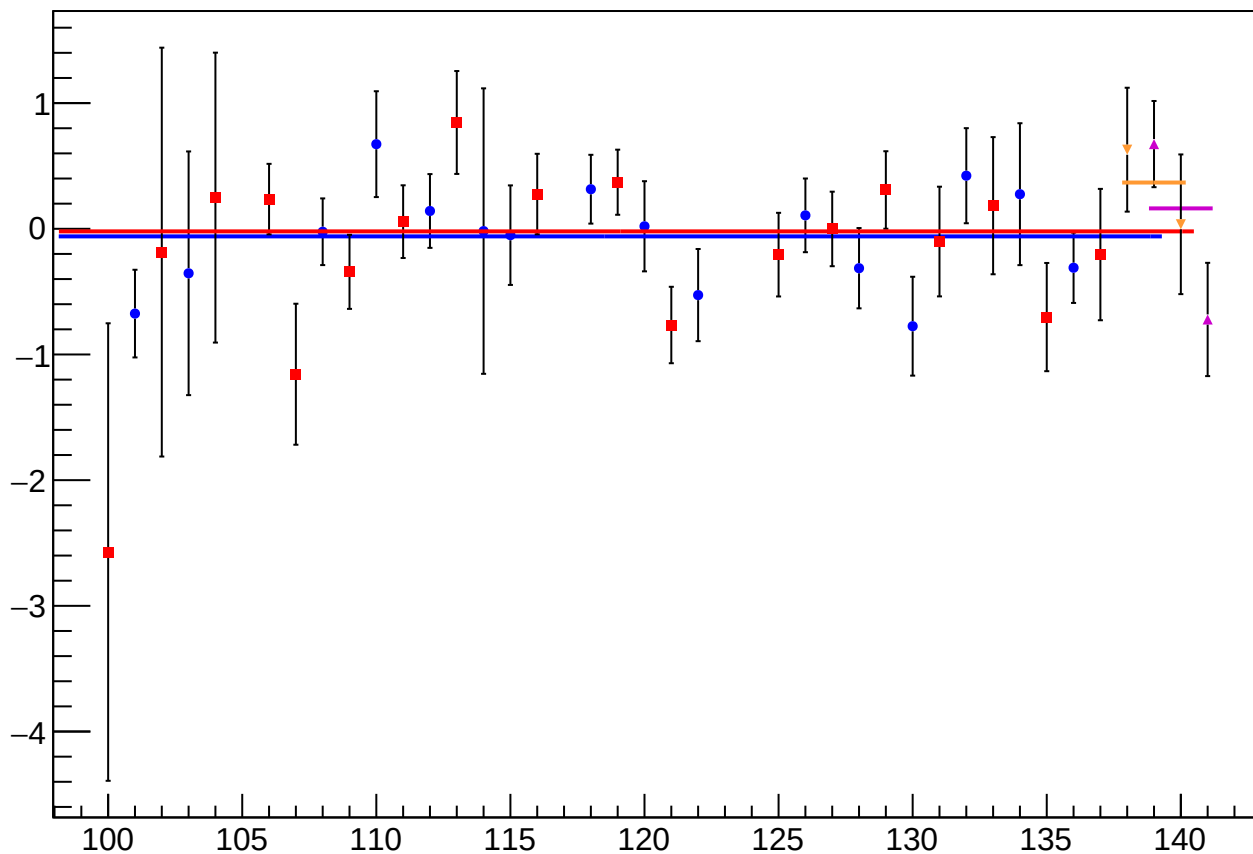
Left In: 347.902 $\pm$ 0.193 χ^2 /NDF:79010.5/1

+ sign 235.318 $\pm$ 0.061 χ^2 /NDF: 1795729.0/17

All: 228.918 $\pm$ 0.042 χ^2 /NDF: 3907005.0/37

- sign 222.948 $\pm$ 0.059 χ^2 /NDF: 2089967.7/19

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

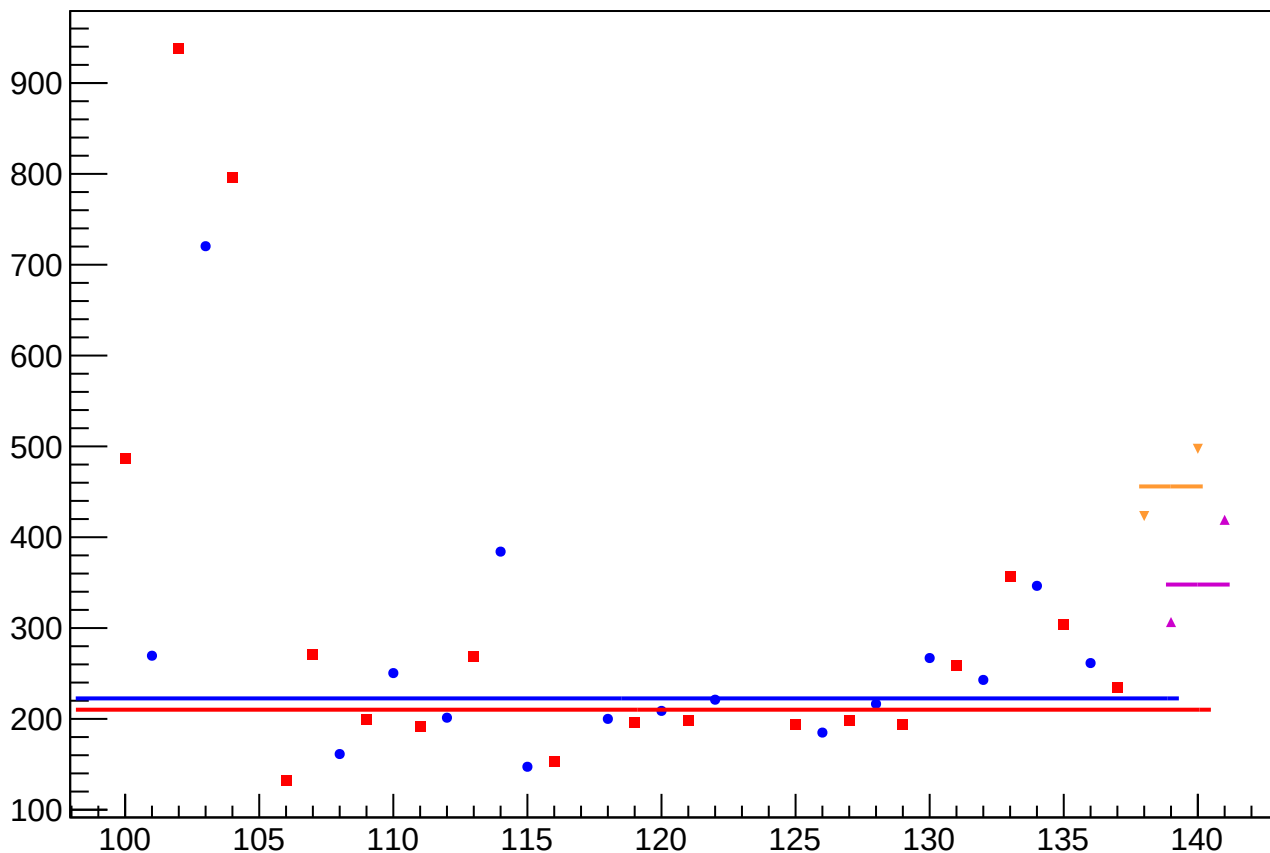
Left In: 0.162 ± 0.273 χ^2/NDF : 6.1/1

+ sign -0.037 ± 0.086 χ^2/NDF : 19.2/17

All: -0.020 ± 0.060 χ^2/NDF : 51.9/37

- sign -0.003 ± 0.083 χ^2/NDF : 32.6/19

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

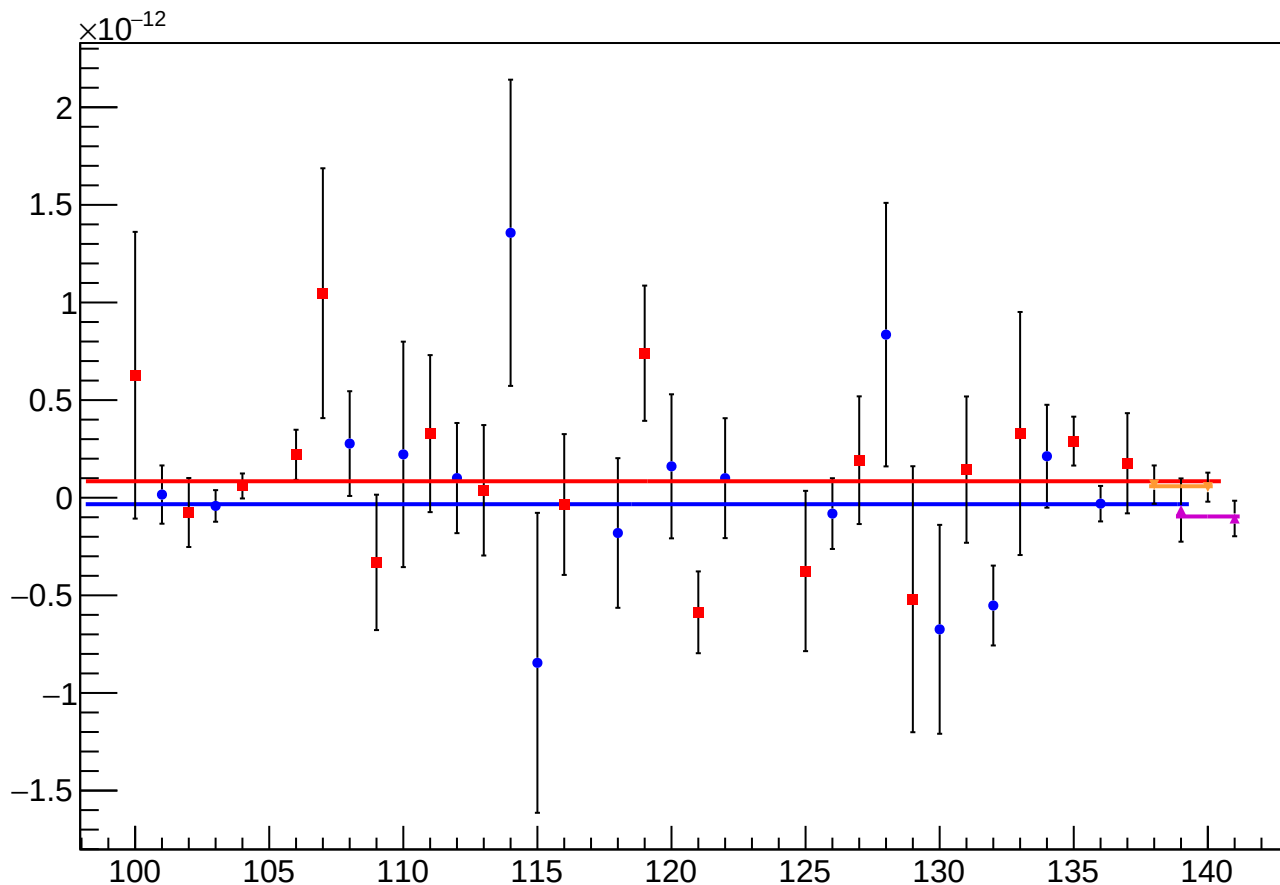
Left In: 347.902 $\pm$ 0.193 χ^2 /NDF:79010.5/1

+ sign 235.318 $\pm$ 0.061 χ^2 /NDF: 1795729.0/17

All: 228.918 $\pm$ 0.042 χ^2 /NDF: 3907005.0/37

- sign 222.948 $\pm$ 0.059 χ^2 /NDF: 2089967.7/19

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

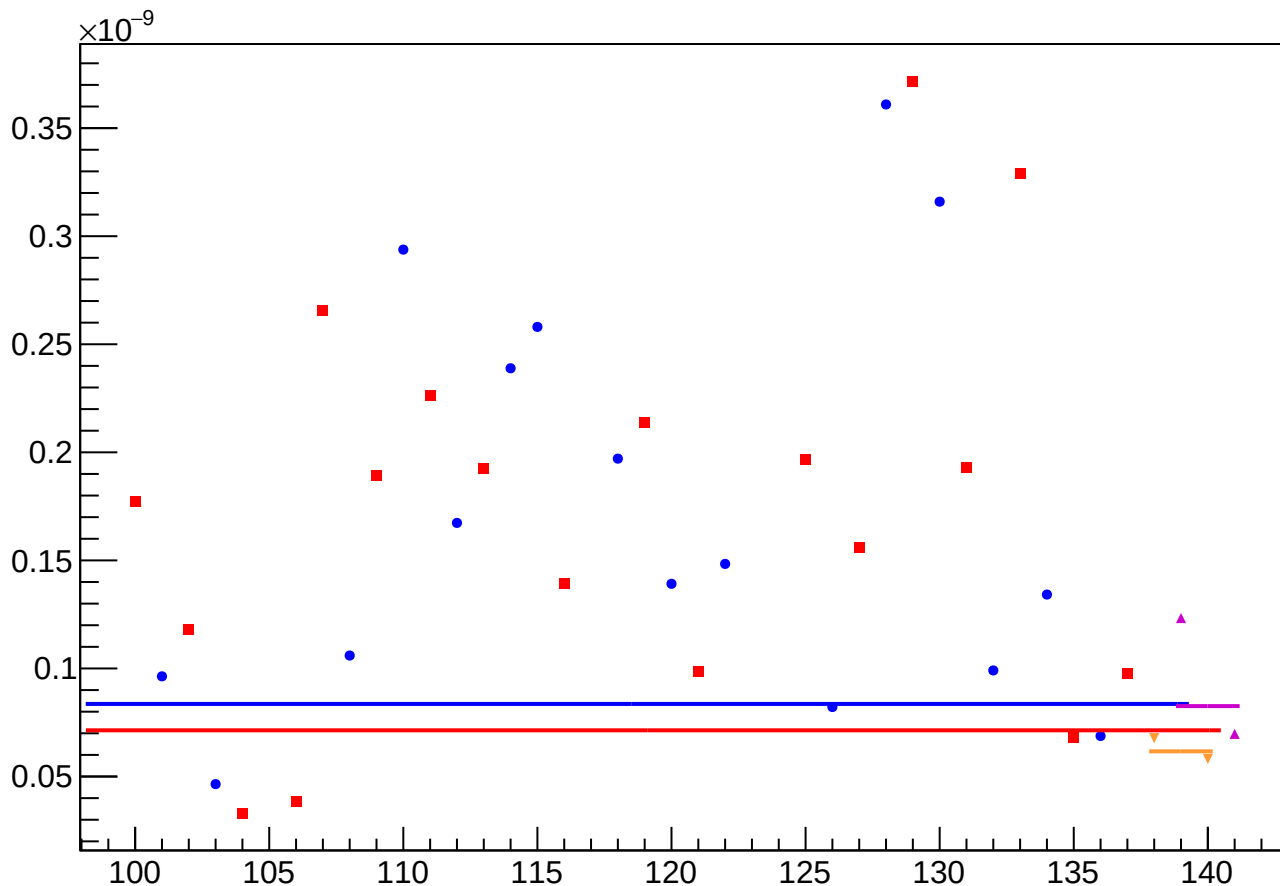
Left In: -0.000+/-0.000 χ^2/NDF : 0.1/1

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

All: 0.000+/-0.000 χ^2/NDF : 49.1/37

- sign 0.000+/-0.000 χ^2/NDF : 29.8/19

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :12104.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3745180.4/17

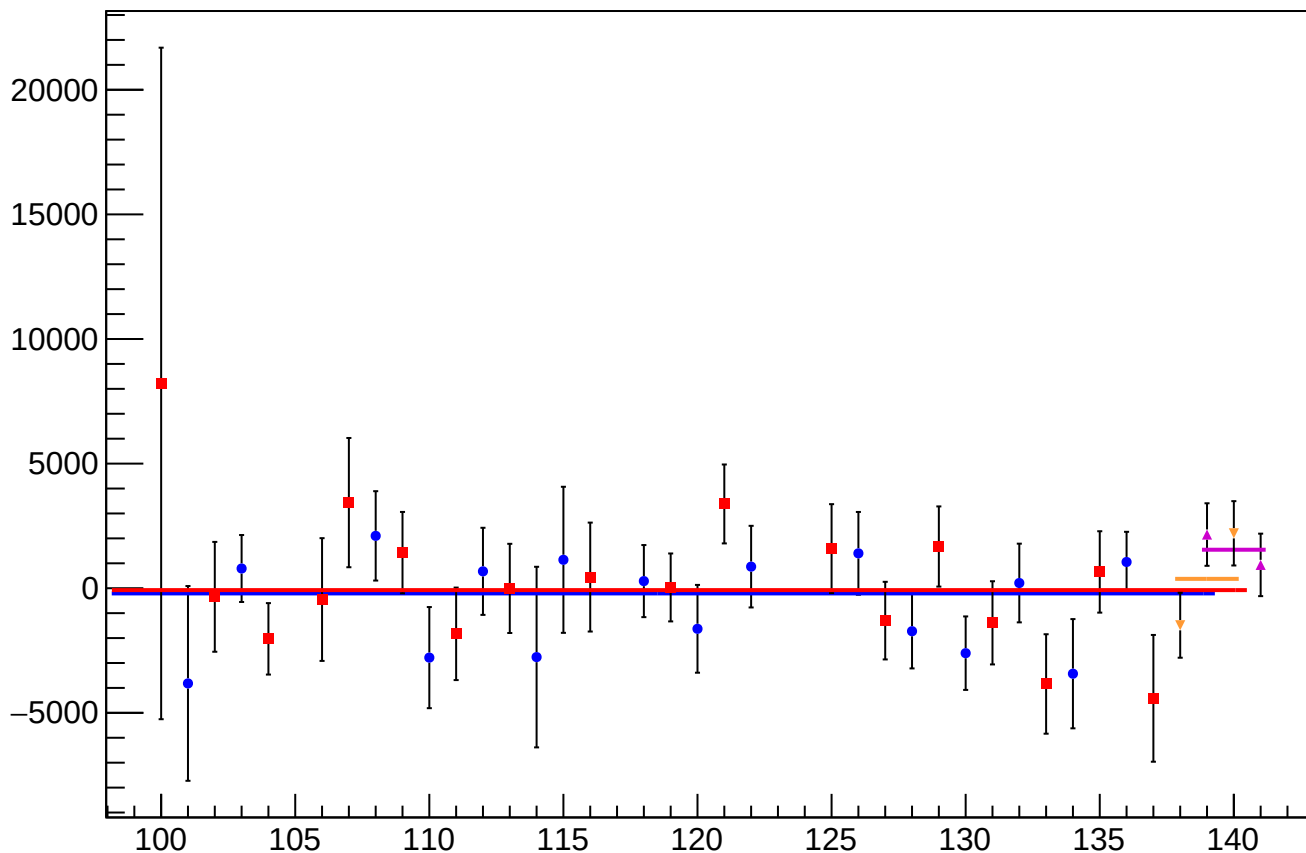
Left In: 0.000+/-0.000 χ^2/NDF :166274.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2415375.5/17

All: 0.000+/-0.000 χ^2/NDF : 6358000.4/37

- sign 0.000+/-0.000 χ^2/NDF : 3941840.6/19

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338 ± 429.155 χ^2/NDF : 14.8/15

Left Out: 376.172 ± 916.778 χ^2/NDF : 4.0/1

Right Out: -75.616 ± 430.760 χ^2/NDF : 20.7/17

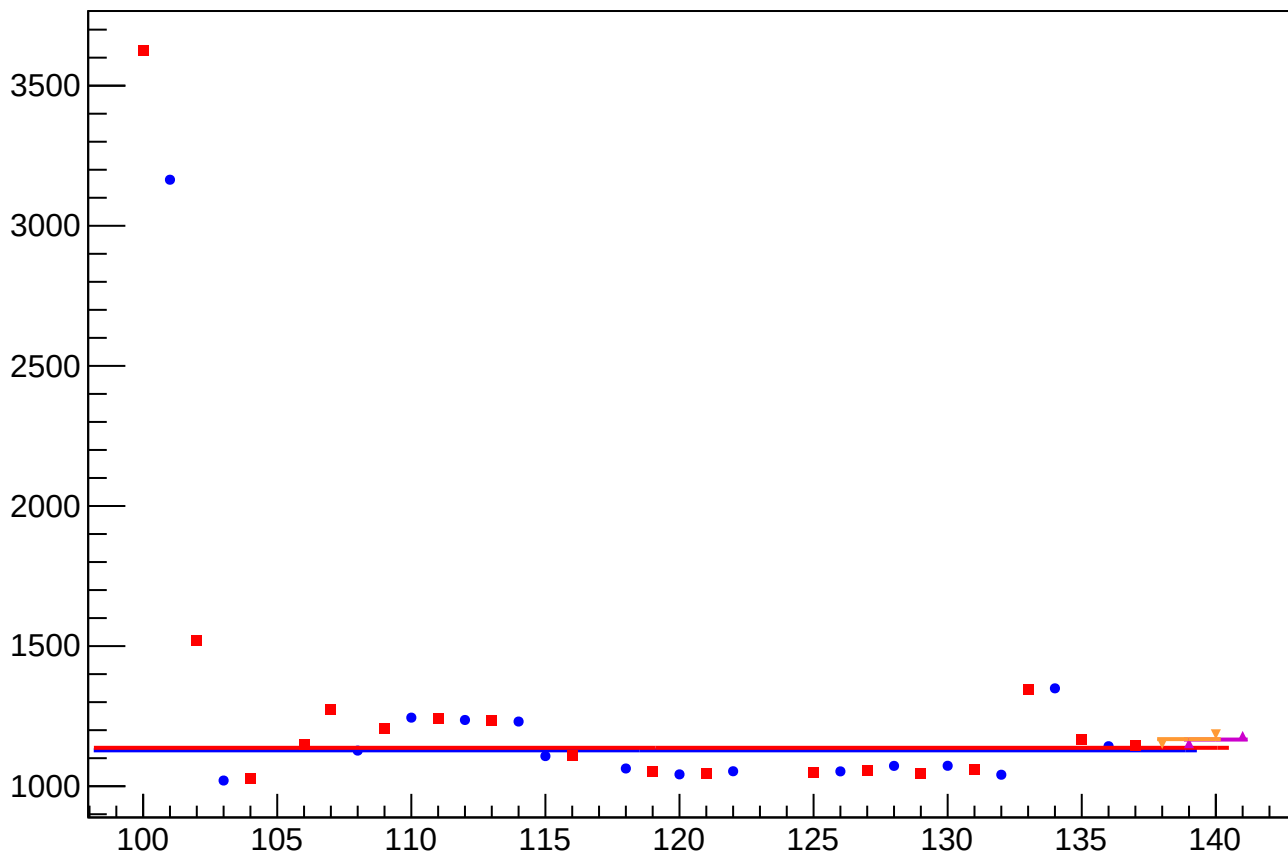
Left In: 1544.692 ± 886.721 χ^2/NDF : 0.5/1

+ sign -103.277 ± 388.677 χ^2/NDF : 19.2/17

All: 65.767 ± 274.405 χ^2/NDF : 43.4/37

- sign 233.755 ± 387.461 χ^2/NDF : 23.8/19

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 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

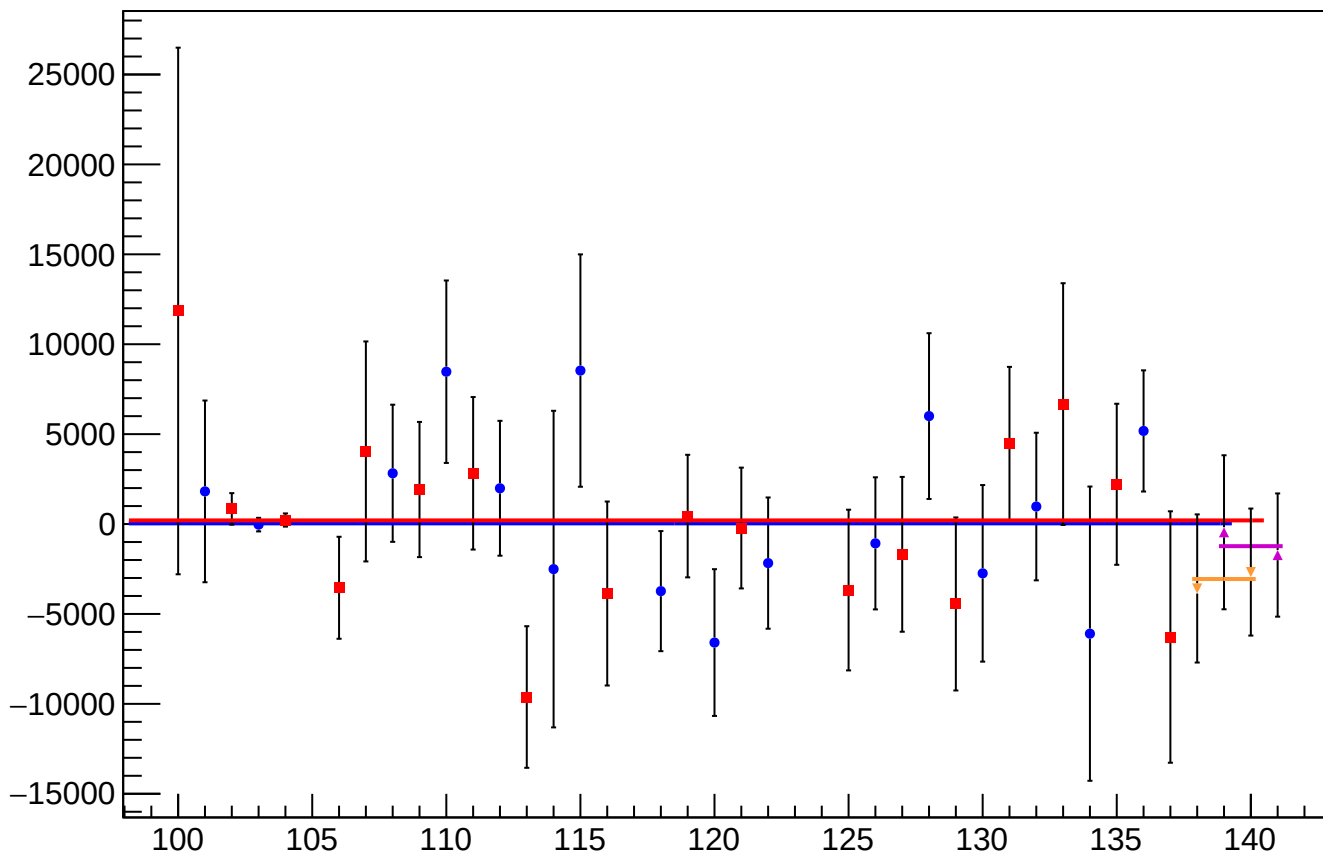
Left In: 1166.473 $\pm$ 0.627 χ^2 /NDF: 423.8/1

+ sign 1135.206 $\pm$ 0.275 χ^2 /NDF: 625224.2/17

All: 1138.942 $\pm$ 0.194 χ^2 /NDF: 847885.9/37

- sign 1142.644 $\pm$ 0.274 χ^2 /NDF: 222293.8/19

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

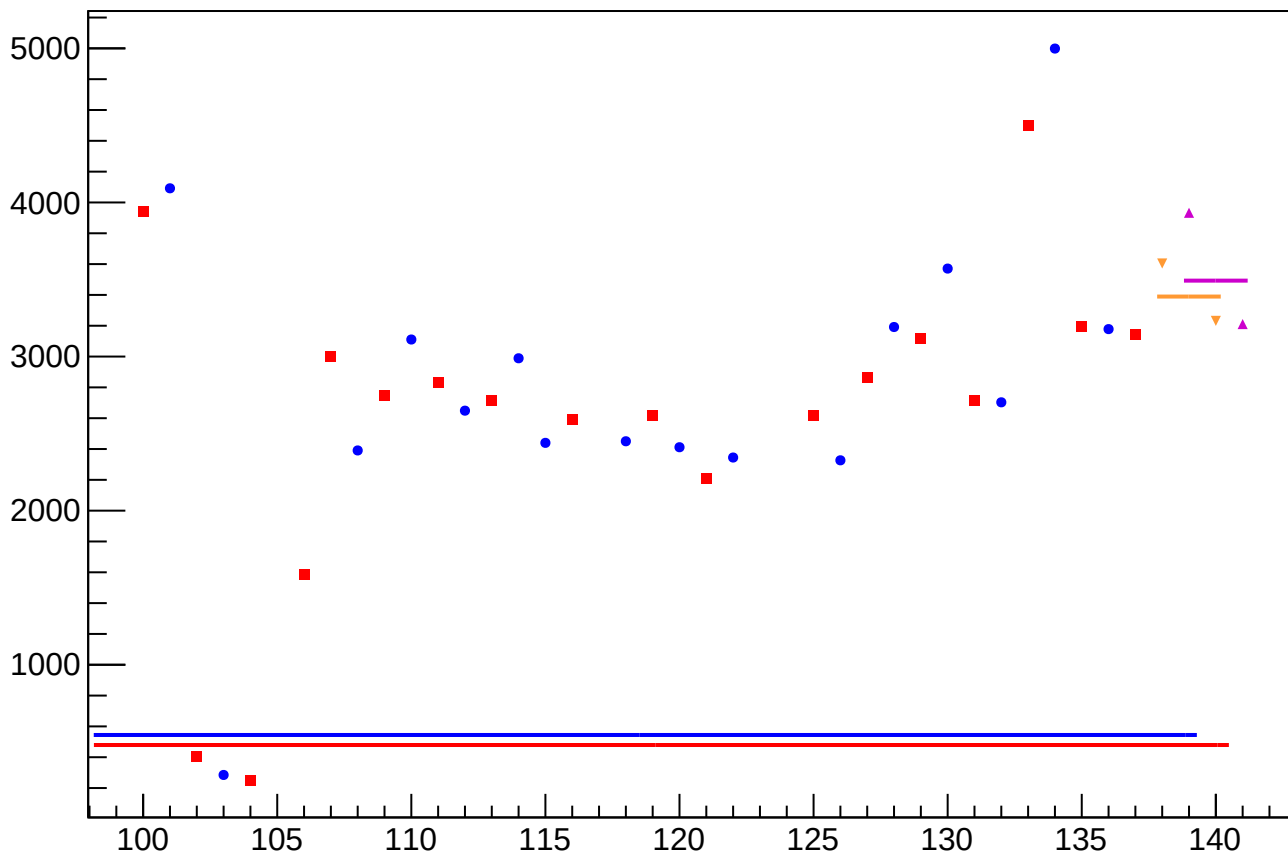
Left In: -1230.121+/-2675.516 χ^2/NDF : 0.1/1

+ sign -15.807+/-354.512 χ^2/NDF : 16.2/17

All: 92.643+/-237.633 χ^2/NDF : 32.3/37

- sign 181.131+/-320.226 χ^2/NDF : 16.0/19

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336 $\pm$ 0.253 χ^2/NDF : 9682967.9/15

Left Out: 3389.371 $\pm$ 1.896 χ^2/NDF : 9422.9/1

Right Out: 479.253 $\pm$ 0.228 χ^2/NDF : 9187985.0/17

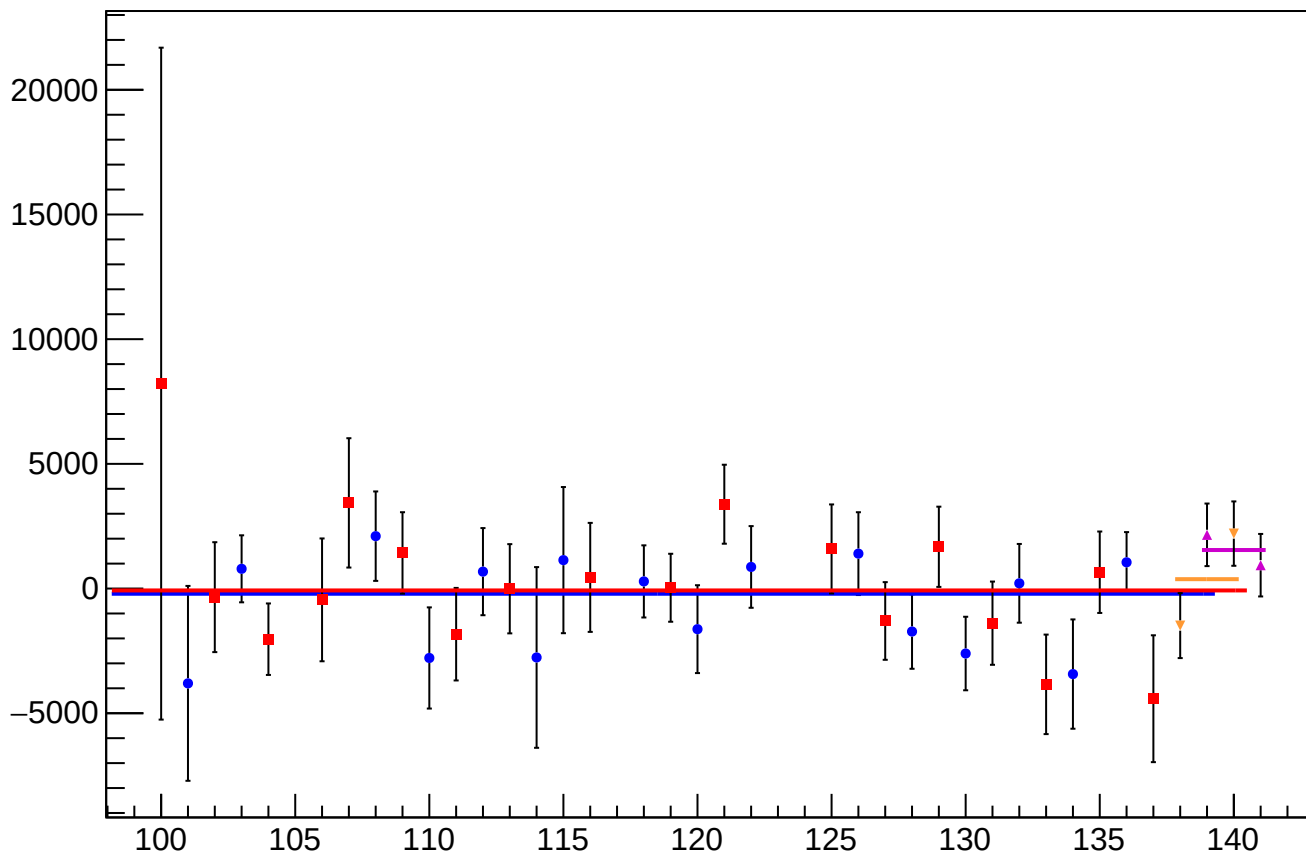
Left In: 3492.715 $\pm$ 1.892 χ^2/NDF : 34682.6/1

+ sign 594.069 $\pm$ 0.251 χ^2/NDF : 11904692.6/17

All: 554.614 $\pm$ 0.168 χ^2/NDF : 23673152.6/37

- sign 522.421 $\pm$ 0.226 χ^2/NDF : 11723473.8/19

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110 ± 429.155 χ^2/NDF : 14.8/15

Left Out: 376.168 ± 916.778 χ^2/NDF : 4.0/1

Right Out: -75.761 ± 430.760 χ^2/NDF : 20.7/17

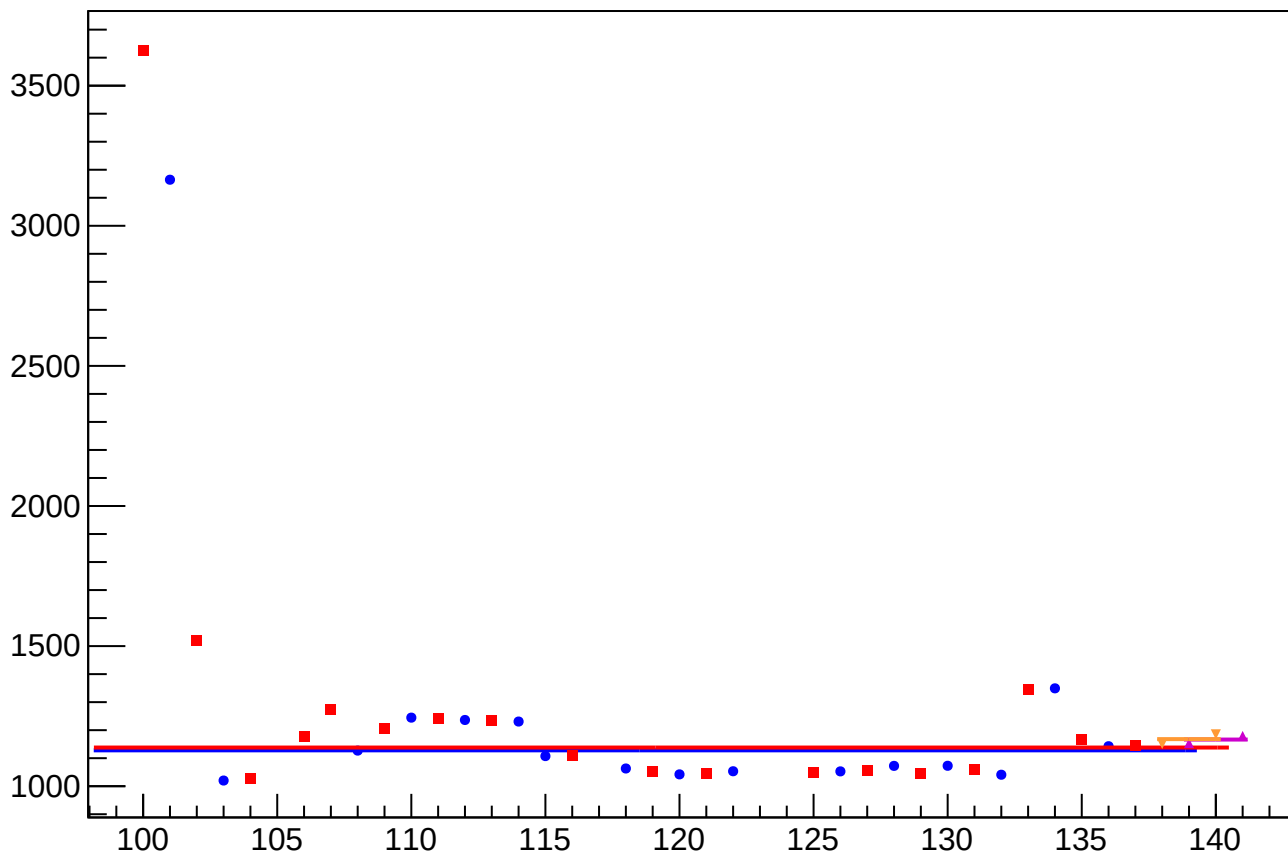
Left In: 1544.884 ± 886.721 χ^2/NDF : 0.5/1

+ sign -103.090 ± 388.677 χ^2/NDF : 19.1/17

All: 65.820 ± 274.405 χ^2/NDF : 43.3/37

- sign 233.674 ± 387.461 χ^2/NDF : 23.8/19

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 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

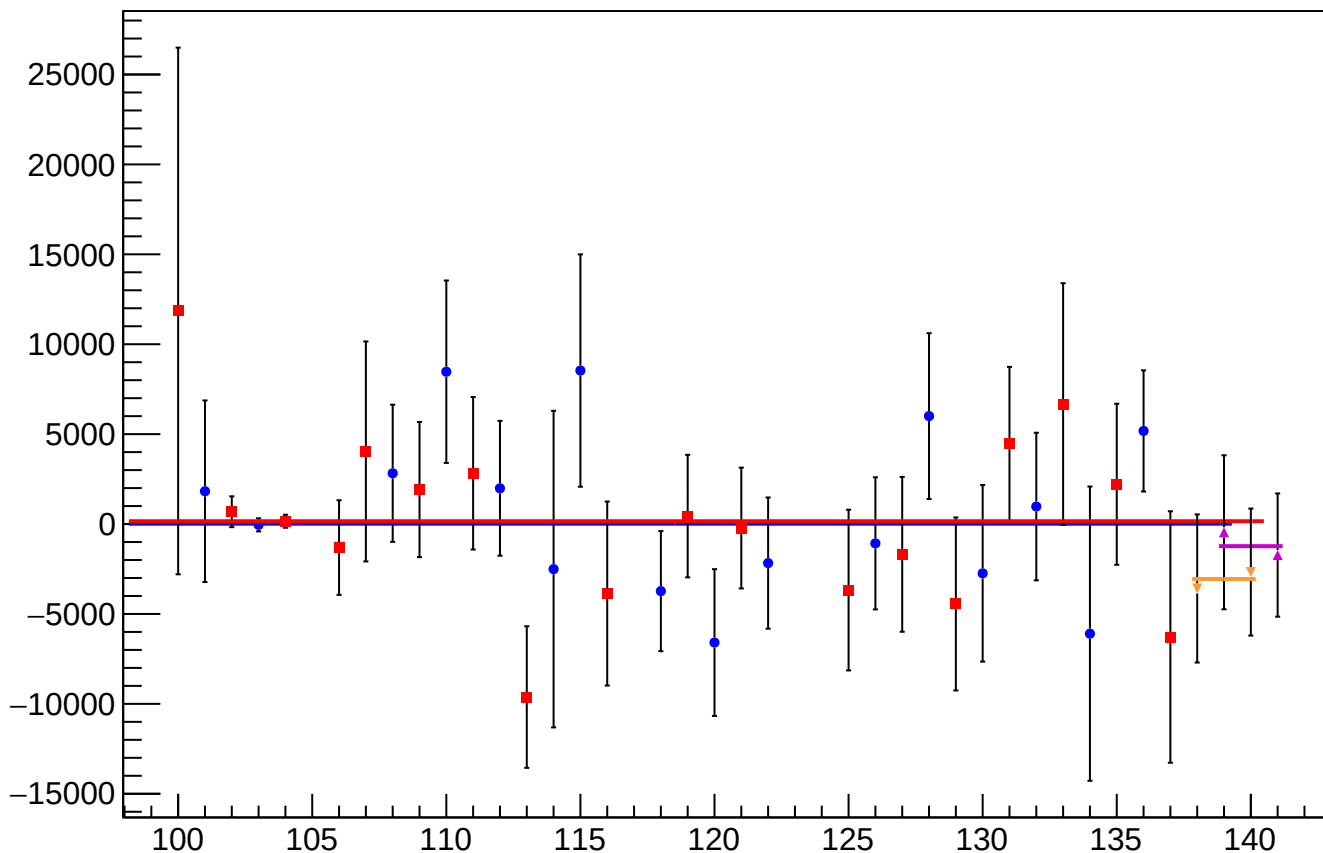
Left In: 1166.473 $\pm$ 0.627 χ^2 /NDF: 423.8/1

+ sign 1135.206 $\pm$ 0.275 χ^2 /NDF: 625225.3/17

All: 1139.333 $\pm$ 0.194 χ^2 /NDF: 848391.8/37

- sign 1143.431 $\pm$ 0.274 χ^2 /NDF: 222717.0/19

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

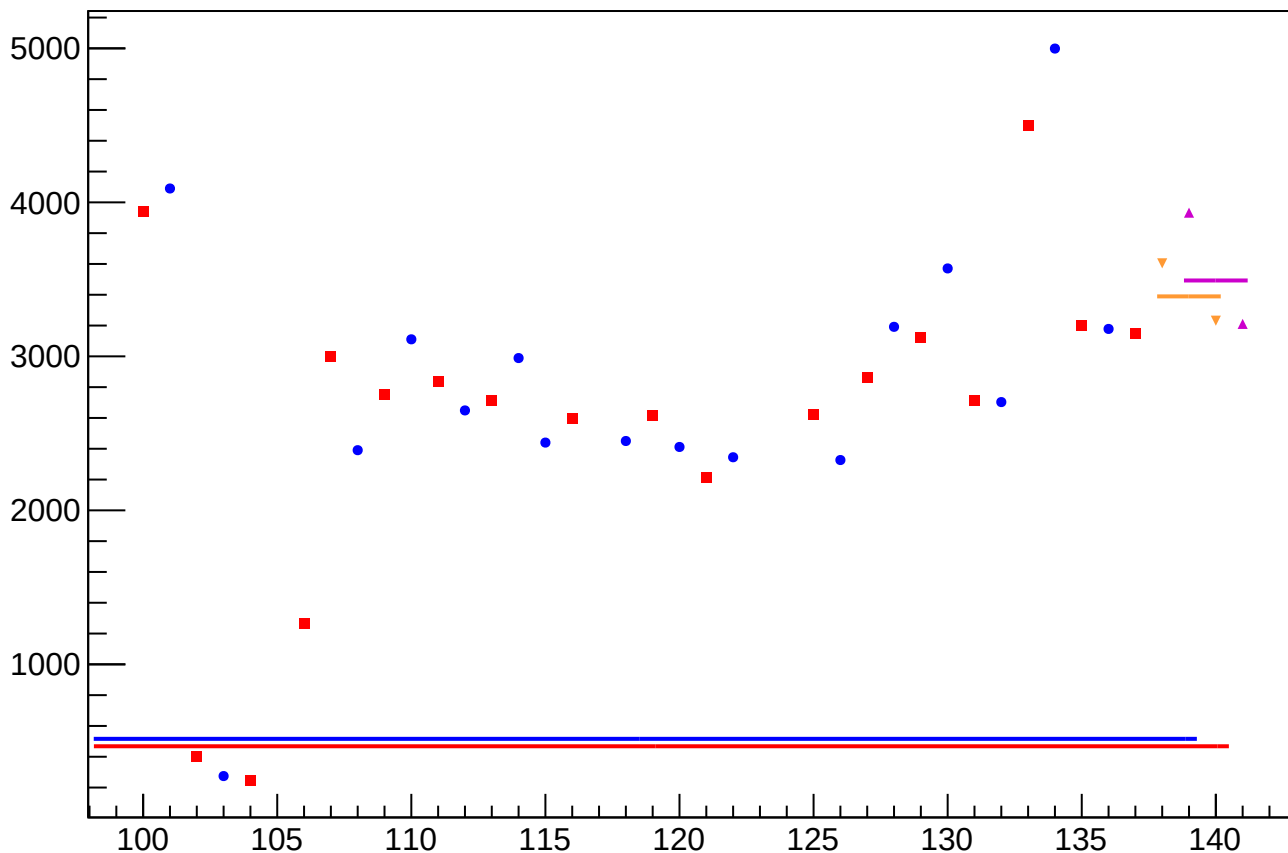
Left In: -1230.183 $\pm$ 2675.520 χ^2 /NDF:0.1/1

+ sign -28.356 $\pm$ 341.716 χ^2 /NDF: 16.2/17

All: 60.993 $\pm$ 231.671 χ^2 /NDF: 30.6/37

- sign 136.994 $\pm$ 315.158 χ^2 /NDF: 14.3/19

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

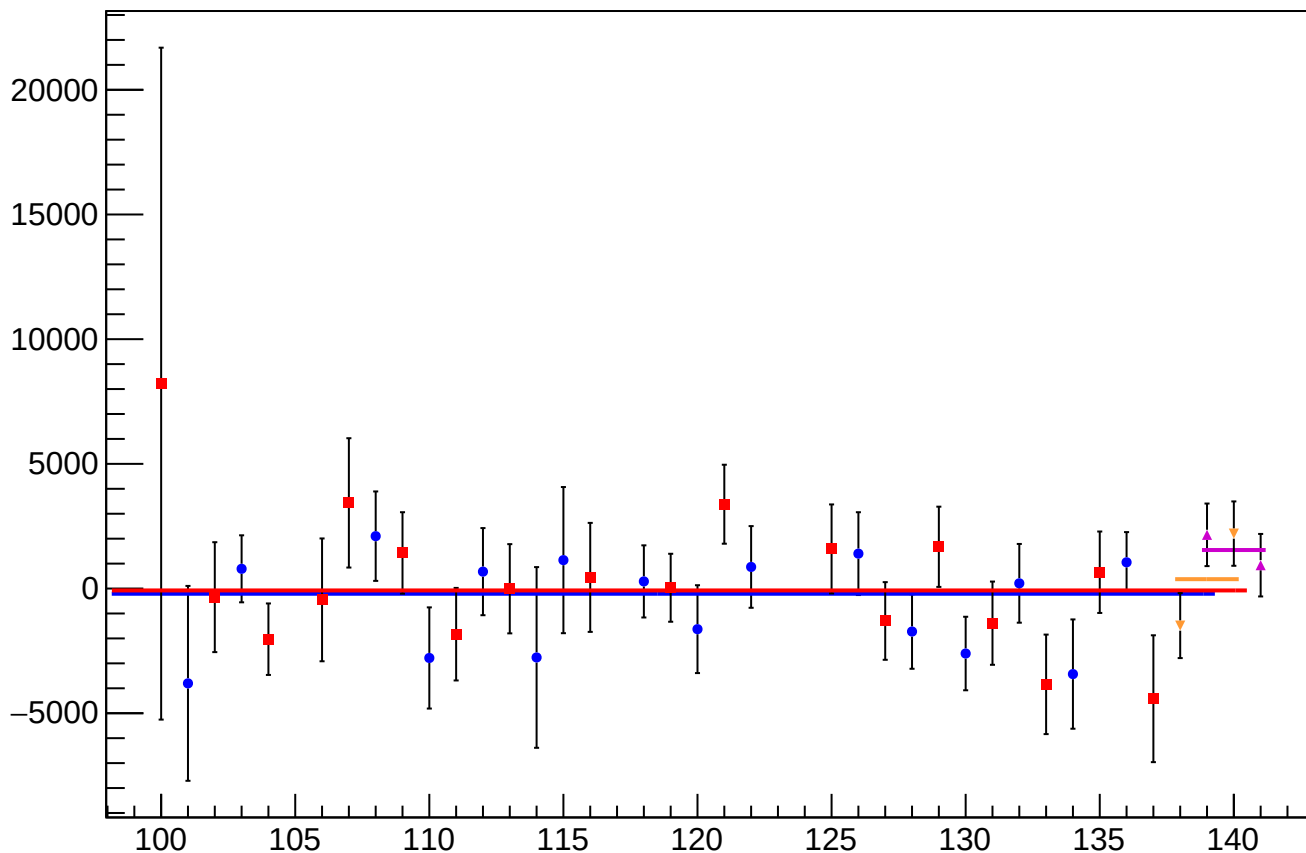
Left In: 3492.720+/-1.892 χ^2/NDF : 34682.7/1

+ sign 562.960+/-0.242 χ^2/NDF : 12103056.7/17

All: 534.357+/-0.164 χ^2/NDF : 23795461.7/37

- sign 510.027+/-0.223 χ^2/NDF : 11666473.1/19

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110 ± 429.155 χ^2/NDF : 14.8/15

Left Out: 376.168 ± 916.778 χ^2/NDF : 4.0/1

Right Out: -75.761 ± 430.760 χ^2/NDF : 20.7/17

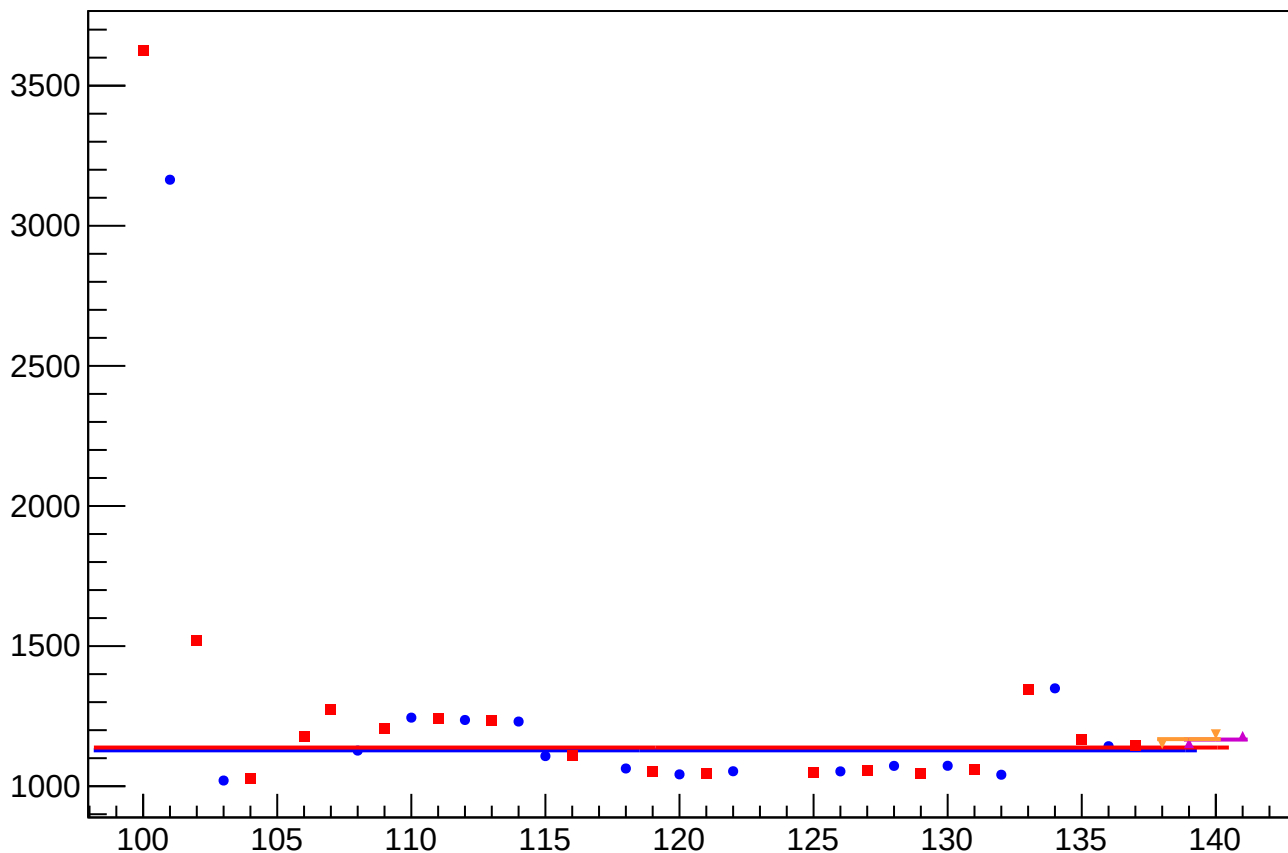
Left In: 1544.884 ± 886.721 χ^2/NDF : 0.5/1

+ sign -103.090 ± 388.677 χ^2/NDF : 19.1/17

All: 65.820 ± 274.405 χ^2/NDF : 43.3/37

- sign 233.674 ± 387.461 χ^2/NDF : 23.8/19

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF : 621395.6/15

Left Out: 1168.059+/-0.648 χ^2/NDF : 698.6/1

Right Out: 1138.000+/-0.304 χ^2/NDF : 220624.5/17

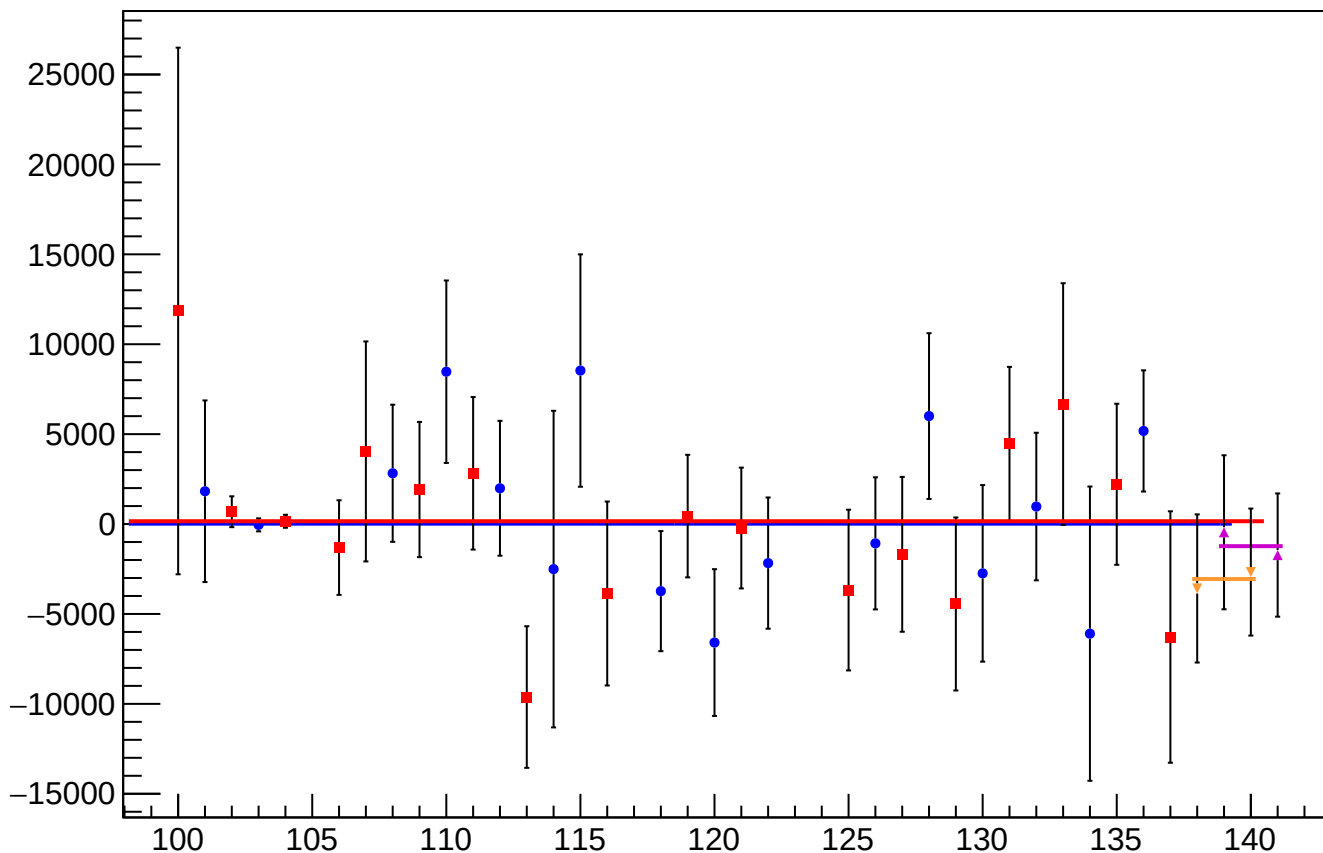
Left In: 1166.473+/-0.627 χ^2/NDF : 423.8/1

+ sign 1135.206+/-0.275 χ^2/NDF : 625225.3/17

All: 1139.333+/-0.194 χ^2/NDF : 848391.8/37

- sign 1143.431+/-0.274 χ^2/NDF : 222717.0/19

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

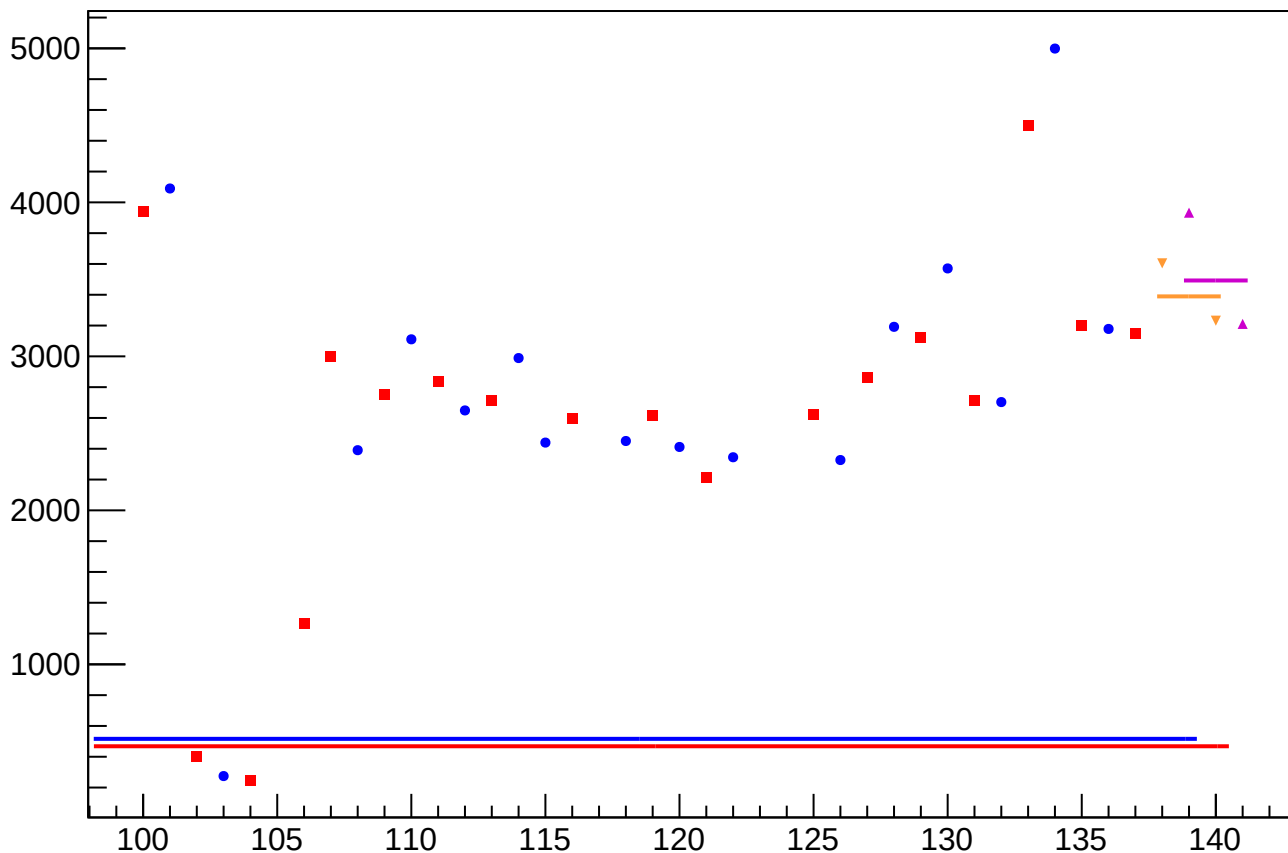
Left In: -1230.183 $\pm$ 2675.520 χ^2 /NDF:0.1/1

+ sign -28.356 $\pm$ 341.716 χ^2 /NDF: 16.2/17

All: 60.993 $\pm$ 231.671 χ^2 /NDF: 30.6/37

- sign 136.994 $\pm$ 315.158 χ^2 /NDF: 14.3/19

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

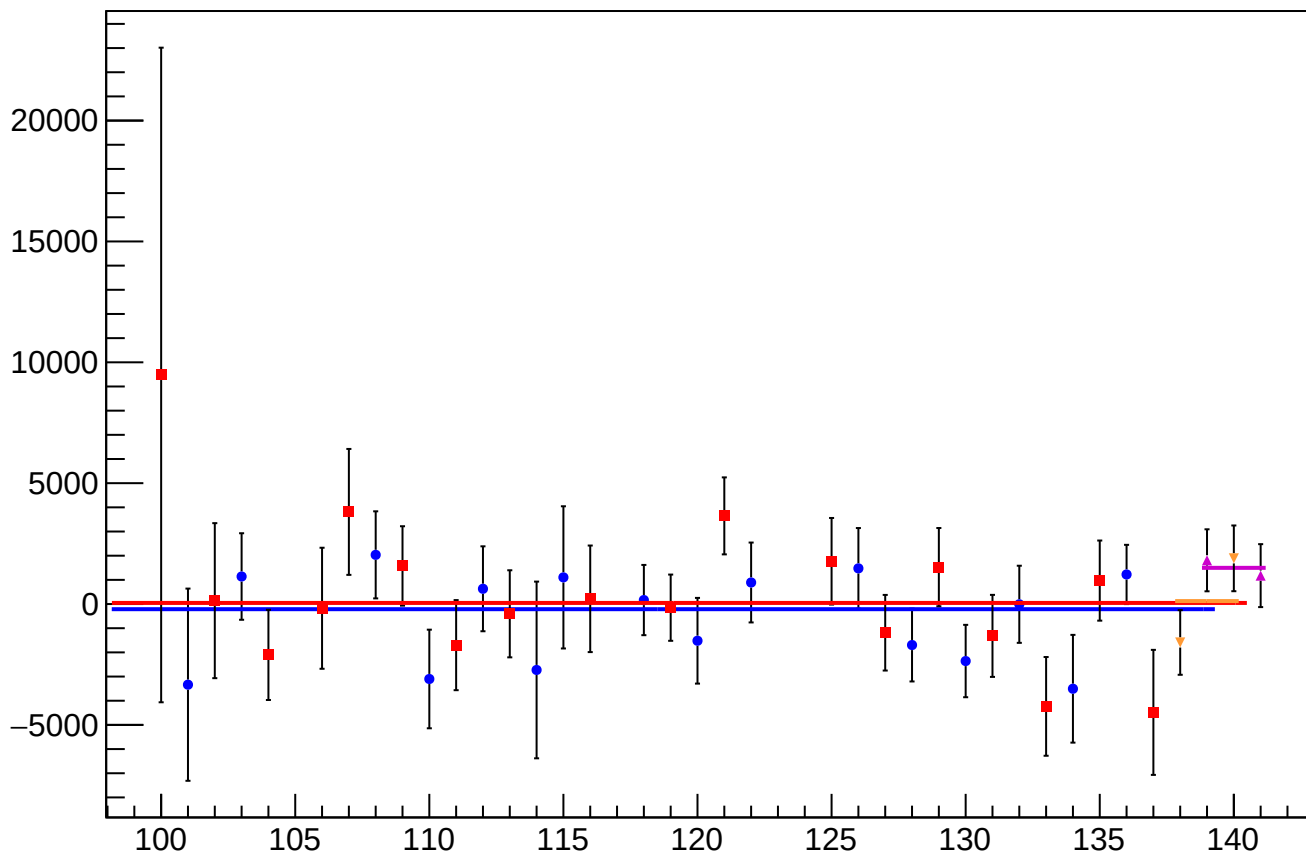
Left In: 3492.720+/-1.892 χ^2 /NDF:34682.7/1

+ sign 562.960+/-0.242 χ^2 /NDF: 12103056.7/17

All: 534.357+/-0.164 χ^2 /NDF: 23795461.7/37

- sign 510.027+/-0.223 χ^2 /NDF: 11666473.1/19

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079 ± 442.684 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 121.931 ± 953.462 $\chi^2/\text{NDF}: 3.3/1$

Right Out: 45.535 ± 447.221 $\chi^2/\text{NDF}: 21.7/17$

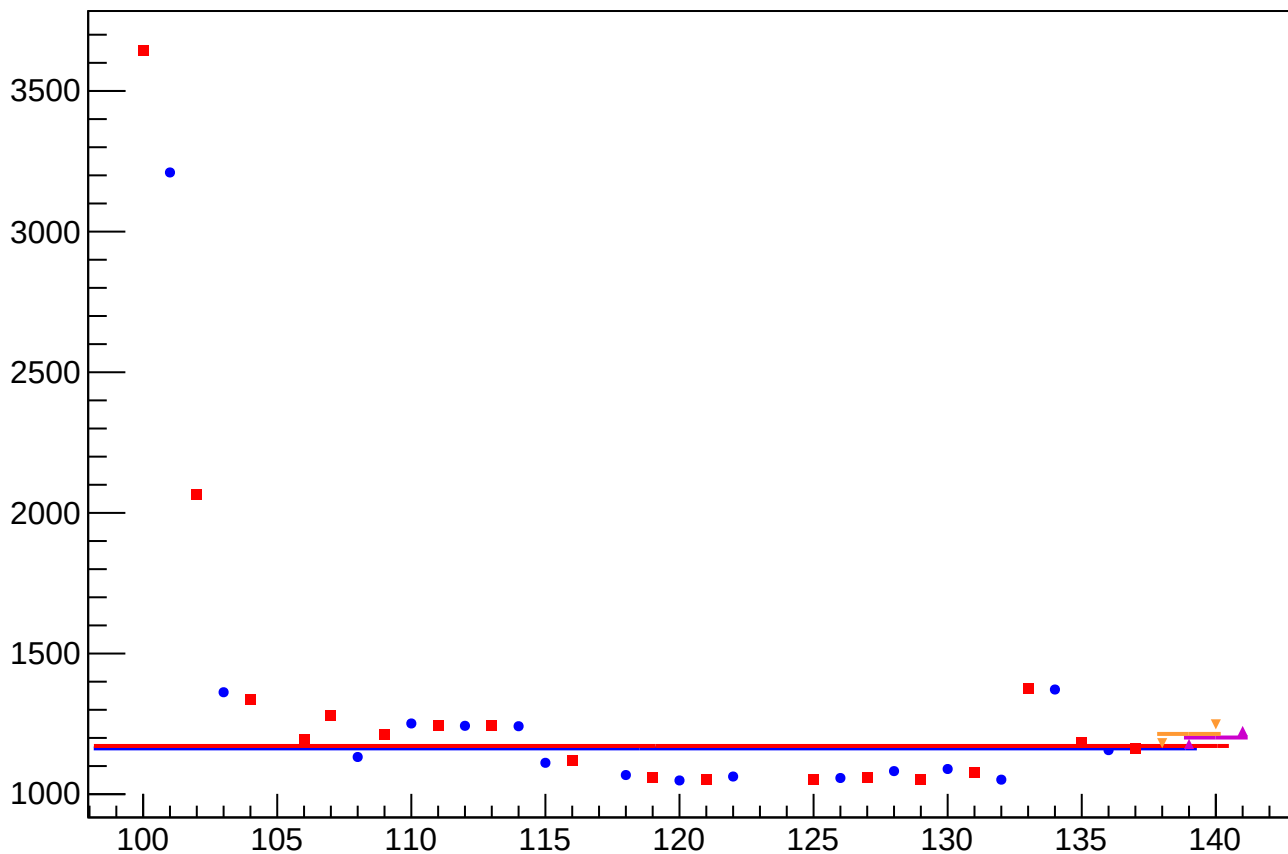
Left In: 1497.252 ± 913.669 $\chi^2/\text{NDF}: 0.1/1$

+ sign -153.669 ± 401.518 $\chi^2/\text{NDF}: 17.8/17$

All: 86.129 ± 283.974 $\chi^2/\text{NDF}: 42.3/37$

- sign 326.124 ± 401.683 $\chi^2/\text{NDF}: 23.8/19$

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF : 635353.4/15

Left Out: 1214.242+/-0.674 χ^2/NDF : 2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF : 331640.8/17

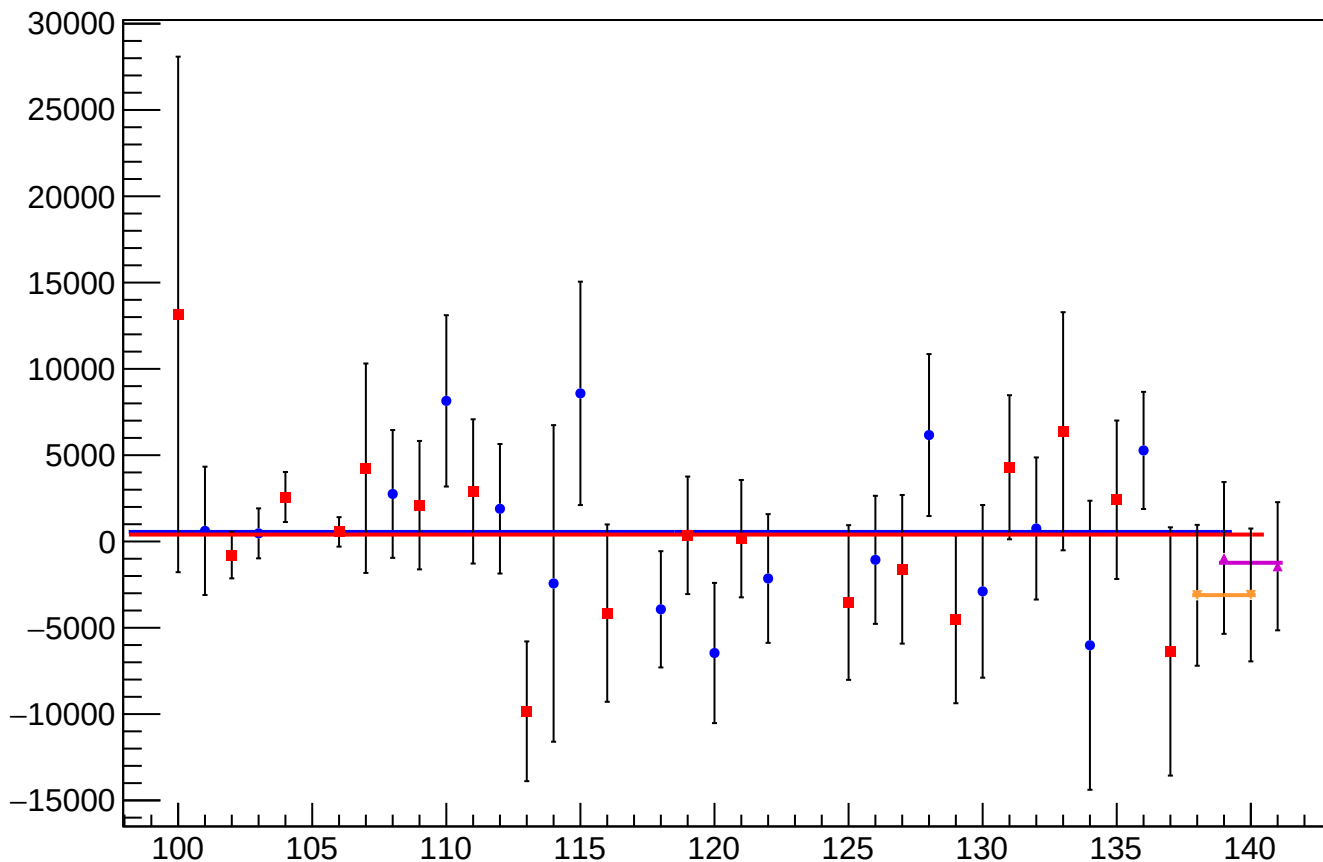
Left In: 1201.450+/-0.646 χ^2/NDF : 1282.0/1

+ sign 1171.965+/-0.284 χ^2/NDF : 642596.1/17

All: 1174.592+/-0.201 χ^2/NDF : 977433.5/37

- sign 1177.220+/-0.284 χ^2/NDF : 334666.1/19

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

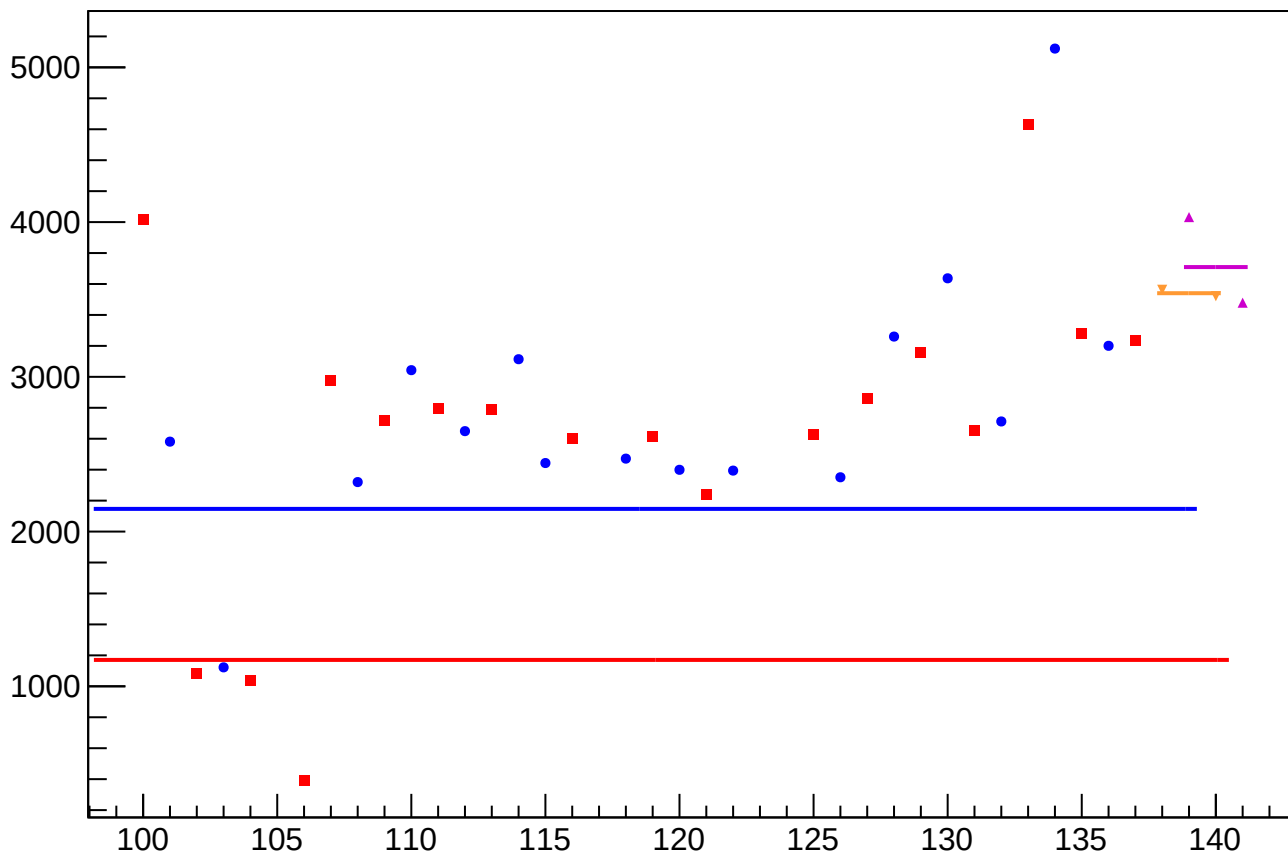
Left In: -1234.778 $\pm$ 2836.827 χ^2 /NDF:0.0/1

+ sign 227.478 $\pm$ 834.412 χ^2 /NDF: 16.0/17

All: 304.008 $\pm$ 462.078 χ^2 /NDF: 33.0/37

- sign 337.858 $\pm$ 554.938 χ^2 /NDF: 17.0/19

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

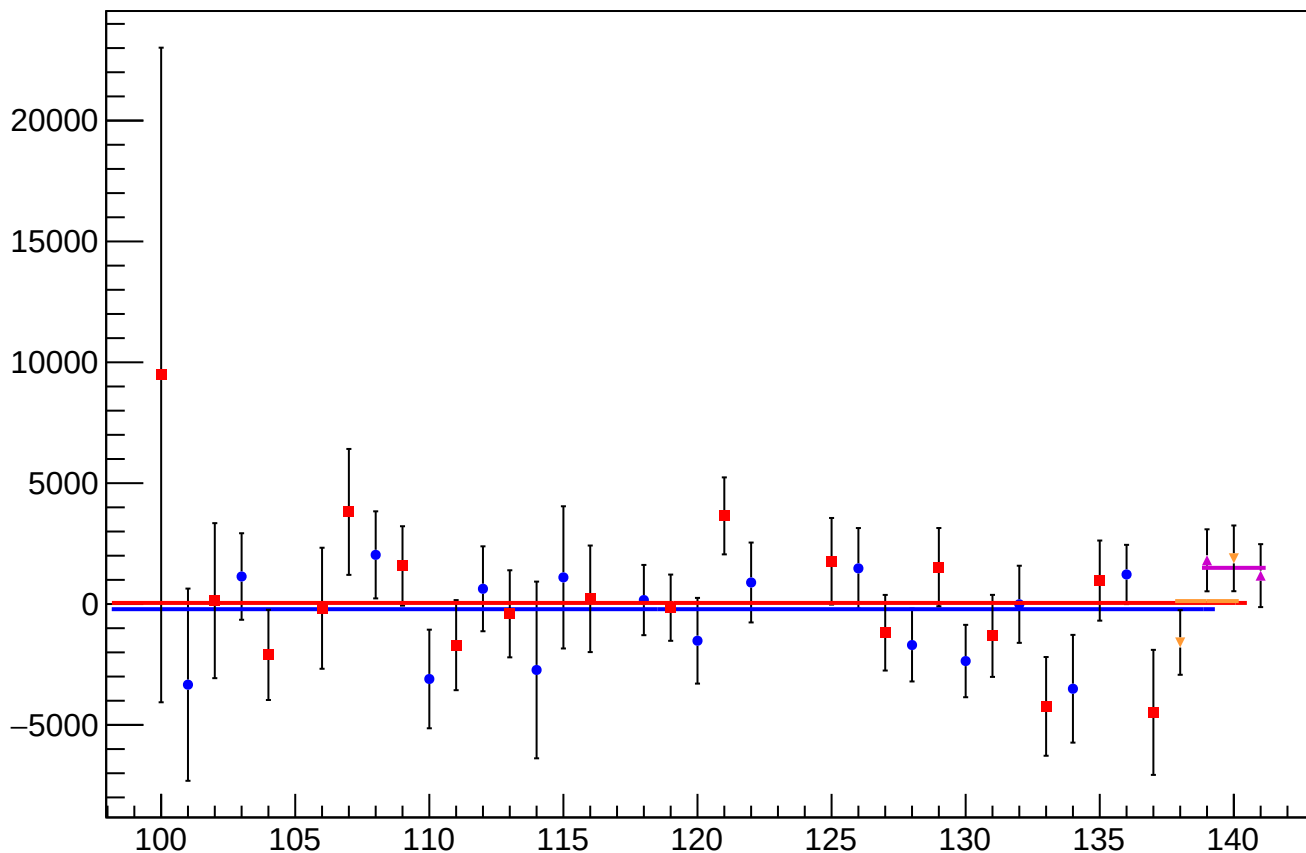
Left In: 3709.382+/-2.006 χ^2/NDF : 18479.1/1

+ sign 2270.400+/-0.590 χ^2/NDF : 2426452.6/17

All: 1575.215+/-0.327 χ^2/NDF : 11805275.5/3

- sign 1267.726+/-0.392 χ^2/NDF : 7376518.6/19

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082 ± 442.684 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 121.931 ± 953.462 $\chi^2/\text{NDF}: 3.3/1$

Right Out: 45.539 ± 447.221 $\chi^2/\text{NDF}: 21.7/17$

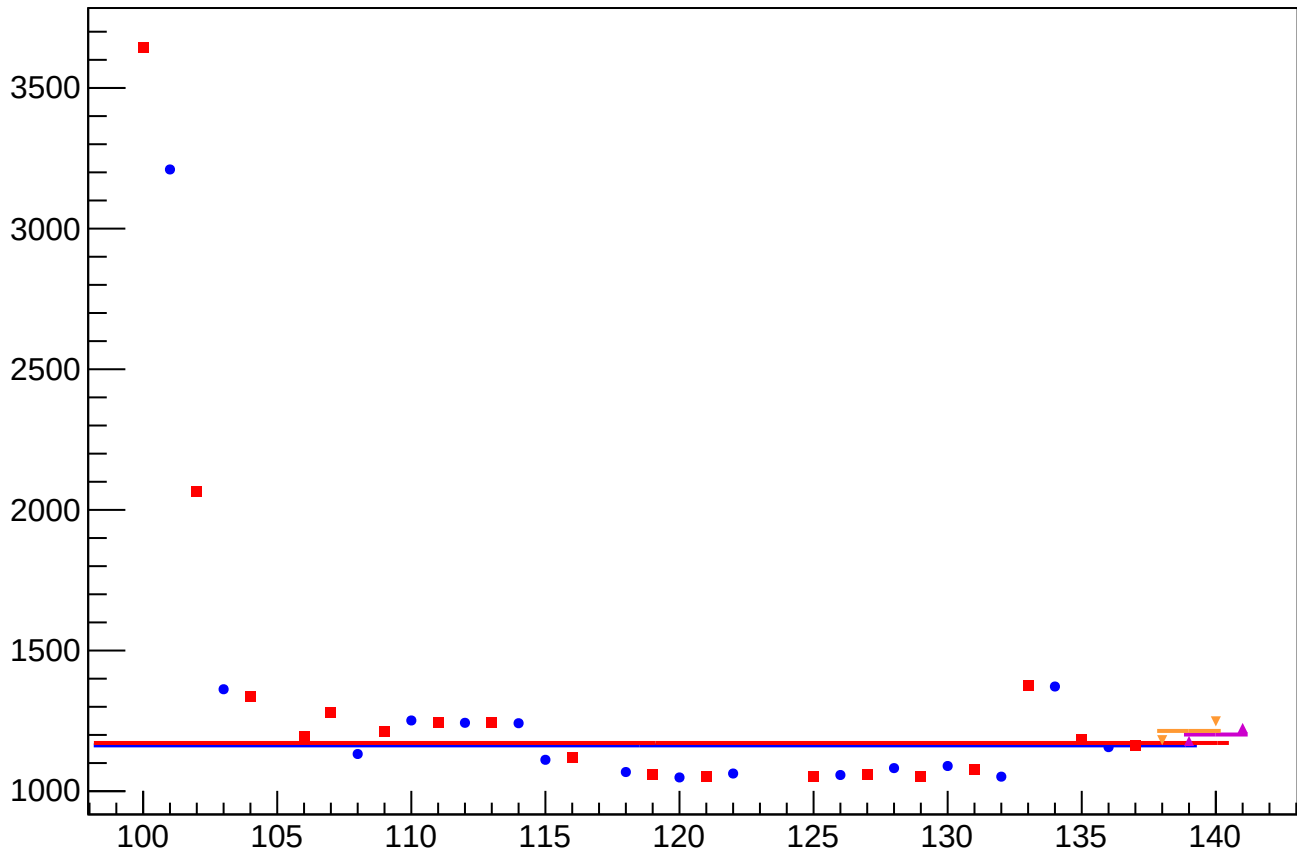
Left In: 1497.241 ± 913.669 $\chi^2/\text{NDF}: 0.1/1$

+ sign -153.671 ± 401.518 $\chi^2/\text{NDF}: 17.8/17$

All: 86.128 ± 283.974 $\chi^2/\text{NDF}: 42.3/37$

- sign 326.124 ± 401.683 $\chi^2/\text{NDF}: 23.8/19$

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF : 635353.6/15

Left Out: 1214.242+/-0.674 χ^2/NDF : 2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF : 331640.4/17

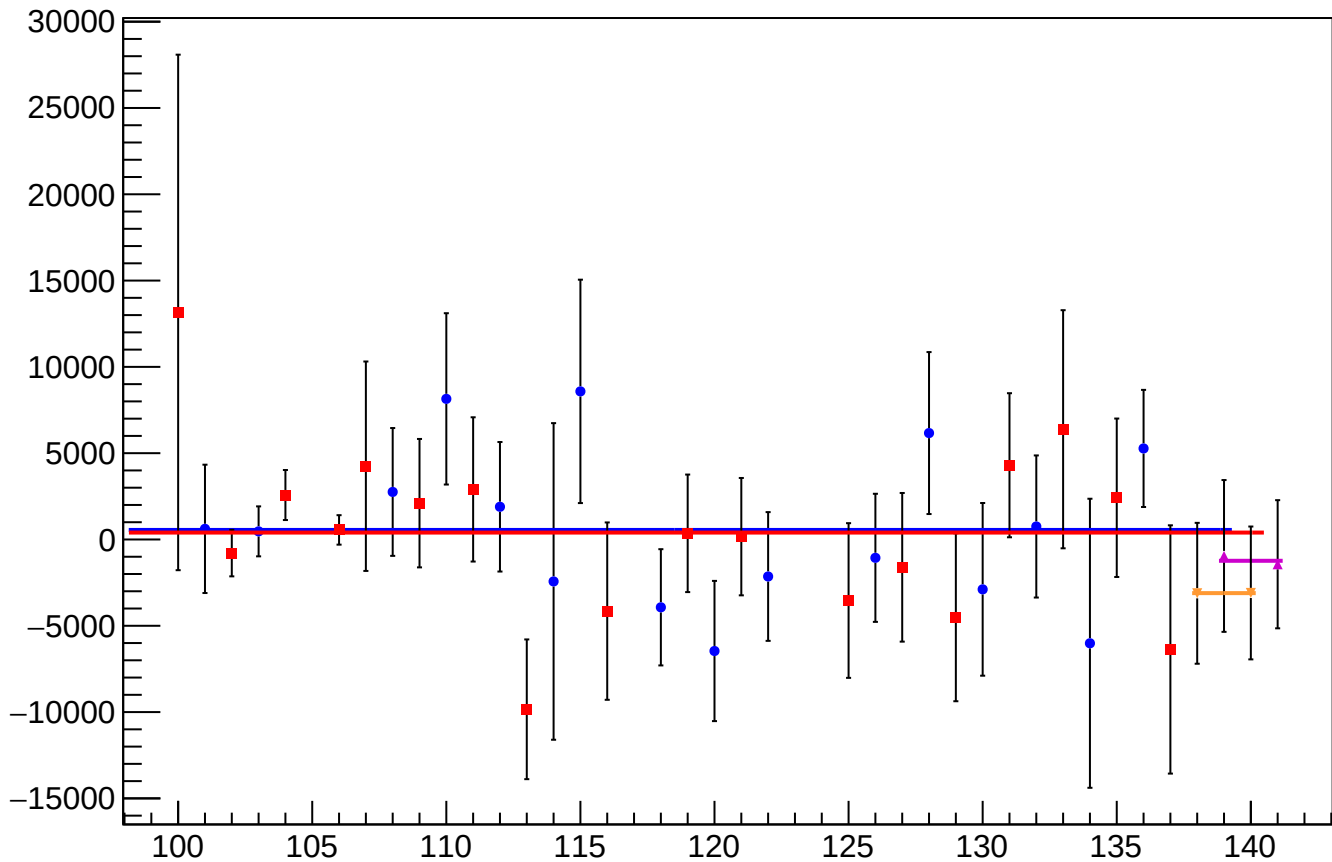
Left In: 1201.451+/-0.646 χ^2/NDF : 1282.0/1

+ sign 1171.965+/-0.284 χ^2/NDF : 642596.3/17

All: 1174.592+/-0.201 χ^2/NDF : 977433.4/37

- sign 1177.220+/-0.284 χ^2/NDF : 334665.8/19

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

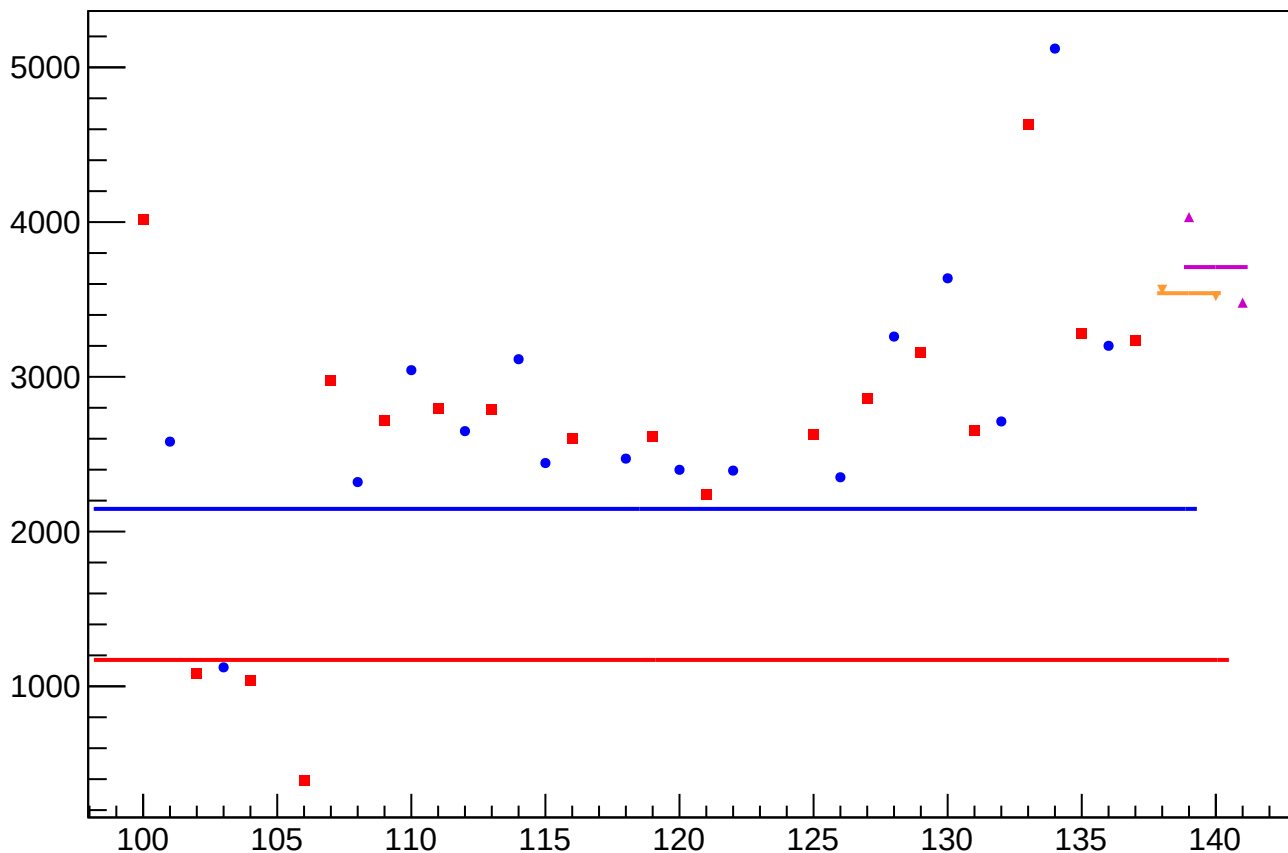
Left In: -1234.788 $\pm$ 2836.830 χ^2 /NDF:0.0/1

+ sign 227.474 $\pm$ 834.411 χ^2 /NDF: 16.0/17

All: 304.008 $\pm$ 462.074 χ^2 /NDF: 33.0/37

- sign 337.860 $\pm$ 554.932 χ^2 /NDF: 17.0/19

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

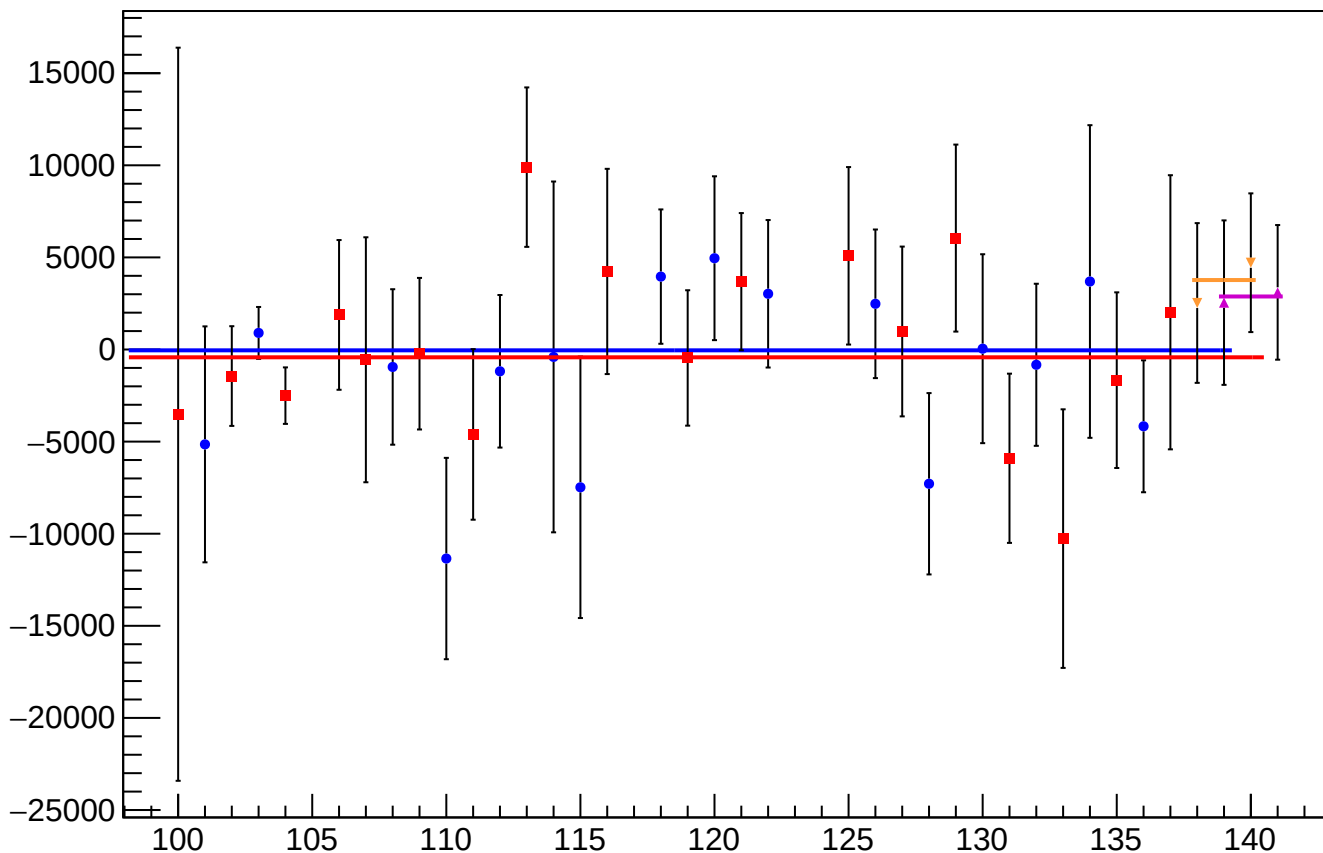
Left In: 3709.386+/-2.006 χ^2/NDF : 18479.7/1

+ sign 2270.397+/-0.590 χ^2/NDF : 2426452.2/17

All: 1575.192+/-0.327 χ^2/NDF : 11805537.1/3

- sign 1267.701+/-0.392 χ^2/NDF : 7376676.9/19

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874 ± 920.736 χ^2/NDF : 13.7/15

Left Out: 3771.102 ± 2843.007 χ^2/NDF : 0.1/1

Right Out: -423.476 ± 896.736 χ^2/NDF : 17.3/17

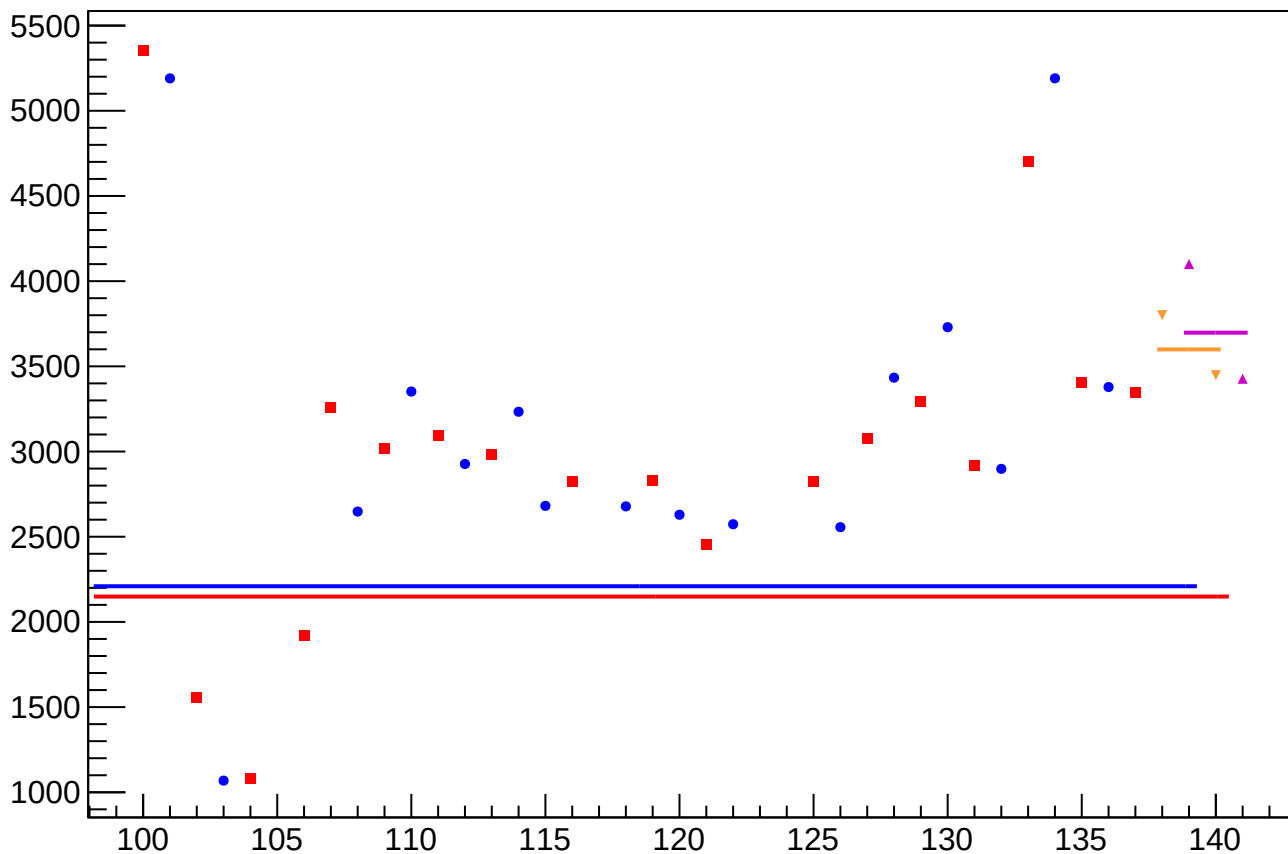
Left In: 2878.448 ± 2827.826 χ^2/NDF : 0.0/1

+ sign 317.371 ± 875.945 χ^2/NDF : 15.5/17

All: 92.430 ± 611.769 χ^2/NDF : 34.2/37

- sign -121.775 ± 854.786 χ^2/NDF : 18.6/19

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2 /NDF: 2836875.7/15

Left Out: 3599.449+/-2.010 χ^2 /NDF: 7536.0/1

Right Out: 2148.948+/-0.633 χ^2 /NDF: 2269660.8/17

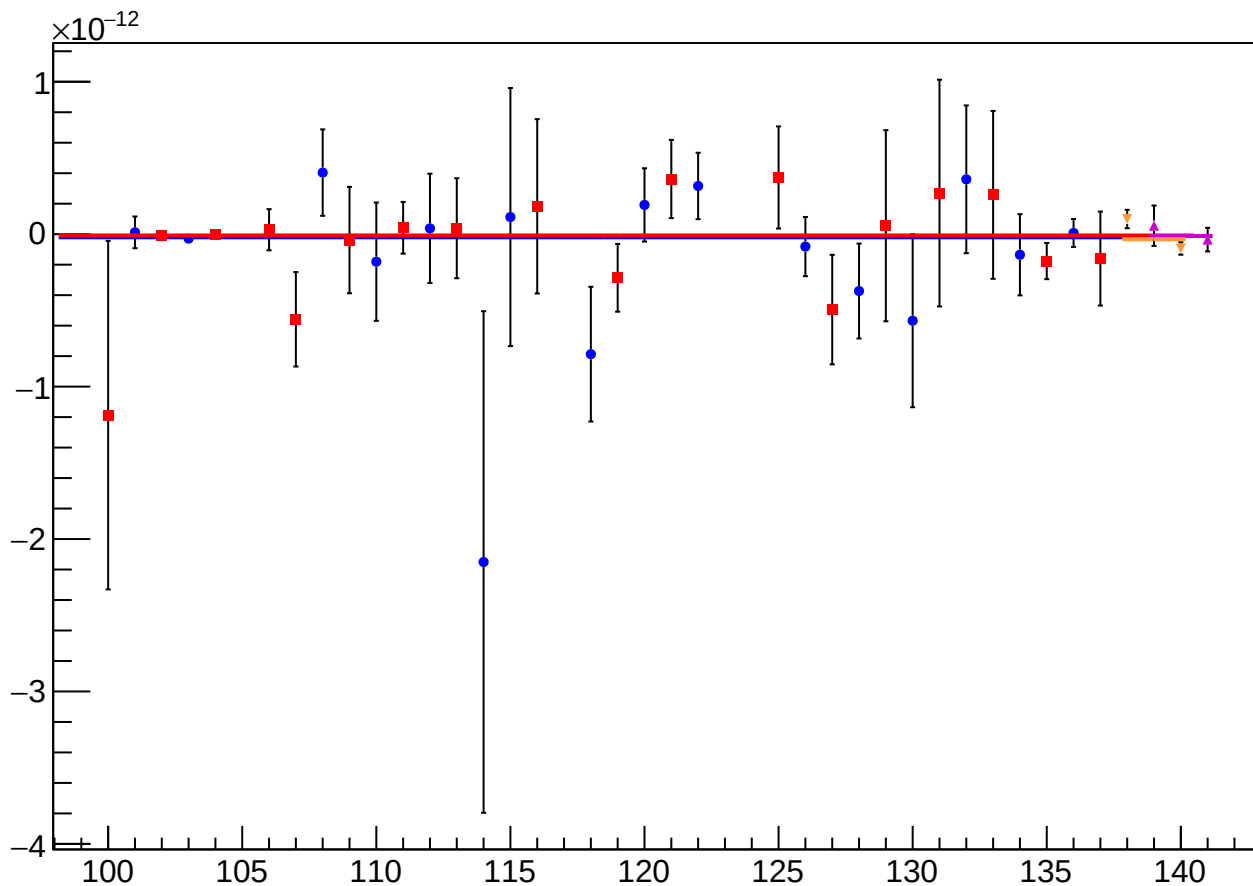
Left In: 3697.570+/-2.000 χ^2 /NDF: 27221.7/1

+ sign 2341.309+/-0.619 χ^2 /NDF: 3277173.9/17

All: 2314.886+/-0.432 χ^2 /NDF: 6122846.8/37

- sign 2289.833+/-0.603 χ^2 /NDF: 2842127.5/19

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

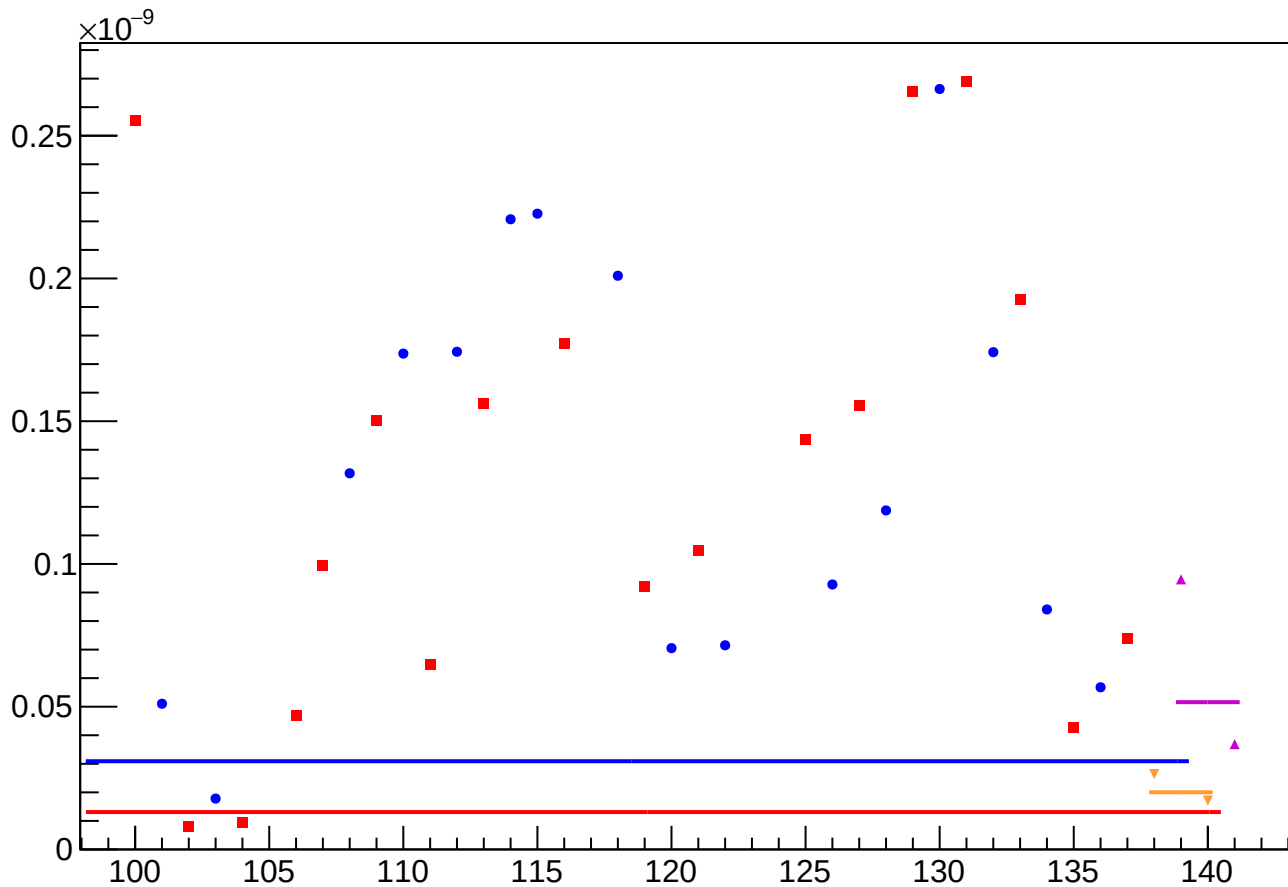
Left In: -0.000+/-0.000 χ^2/NDF : 0.4/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.8/17

All: -0.000+/-0.000 χ^2/NDF : 35.6/37

- sign -0.000+/-0.000 χ^2/NDF : 14.3/19

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

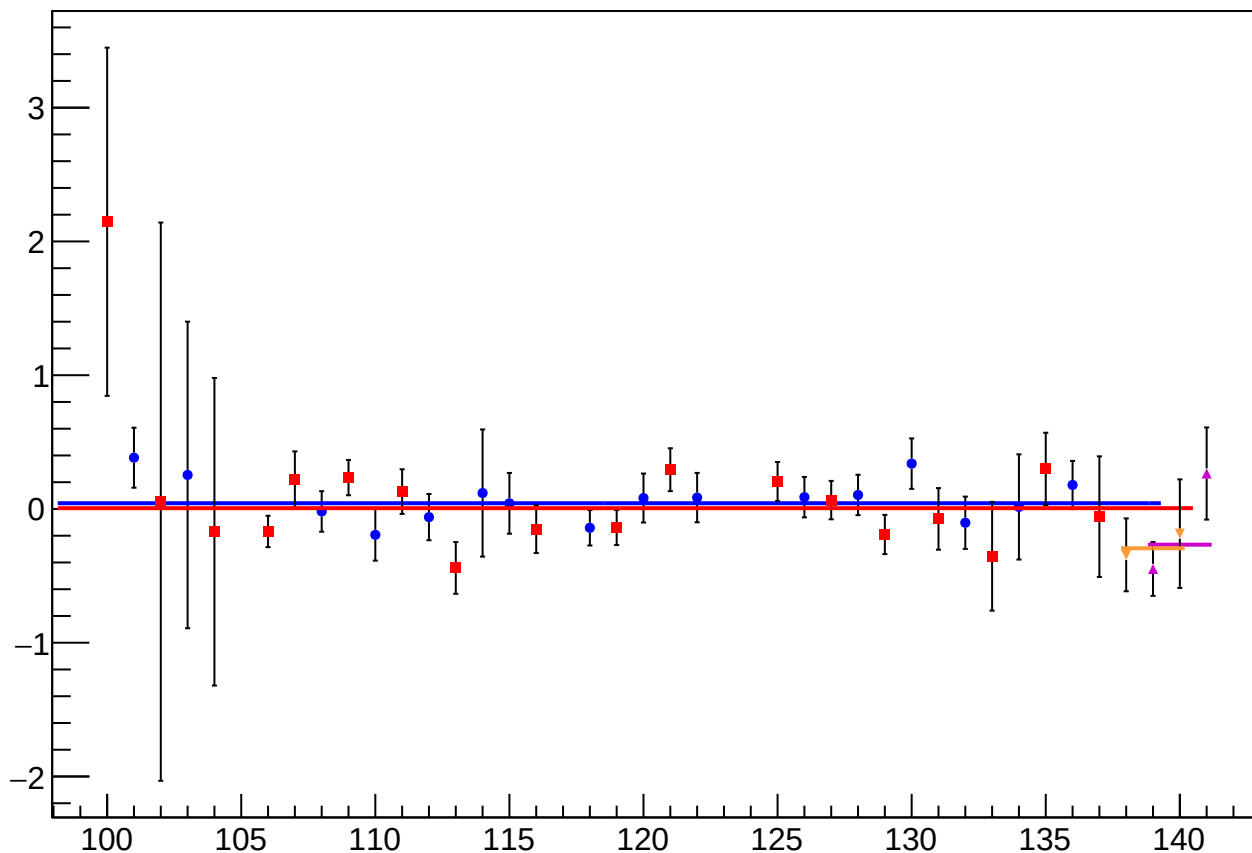
Left In: 0.000+/-0.000 χ^2/NDF : 282744.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3162503.7/17

All: 0.000+/-0.000 χ^2/NDF : 8199560.4/37

- sign 0.000+/-0.000 χ^2/NDF : 4572964.7/19

asym_us_avg_atlr_avg_dd_dit_vs_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

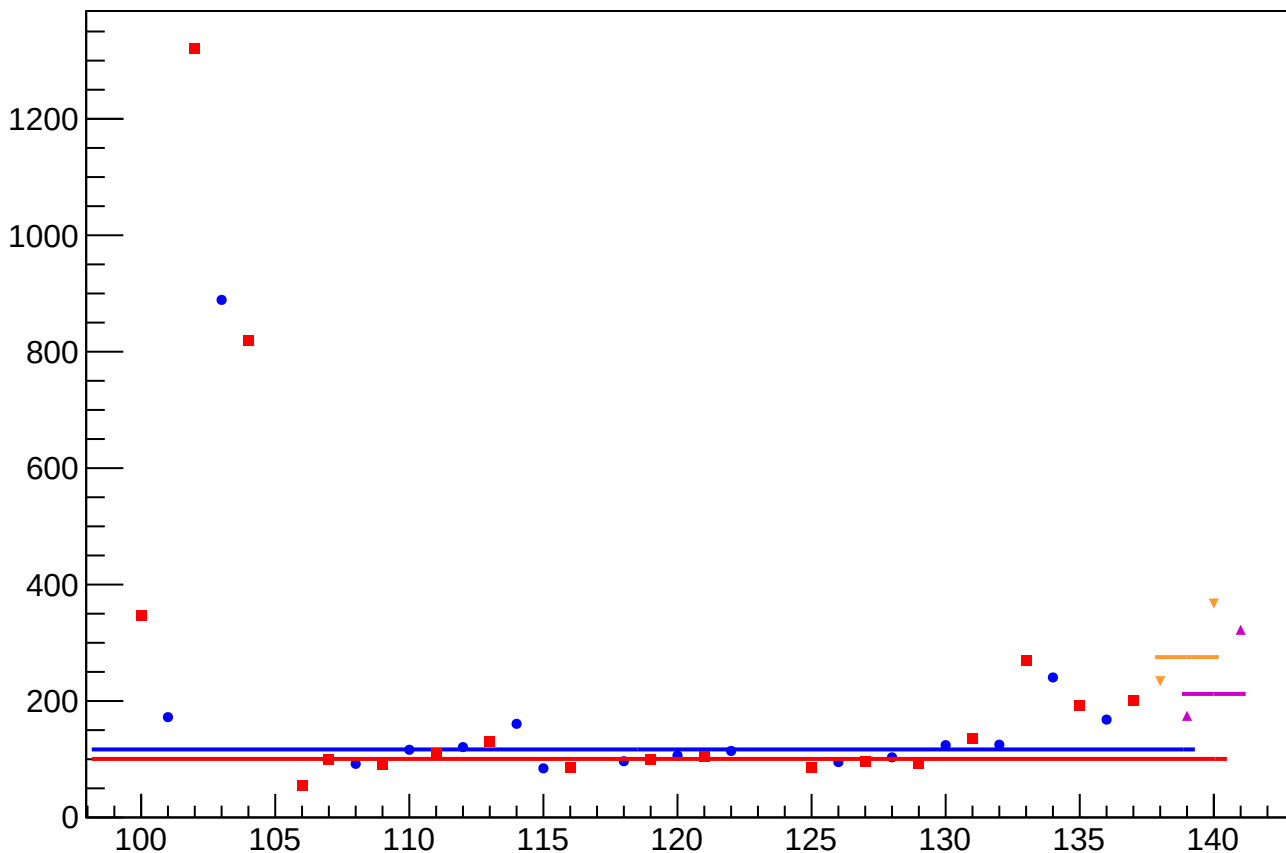
Left In: -0.267 ± 0.174 χ^2/NDF : 3.2/1

+ sign 0.029 ± 0.046 χ^2/NDF : 12.5/17

All: 0.007 ± 0.031 χ^2/NDF : 44.4/37

- sign -0.010 ± 0.042 χ^2/NDF : 31.5/19

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

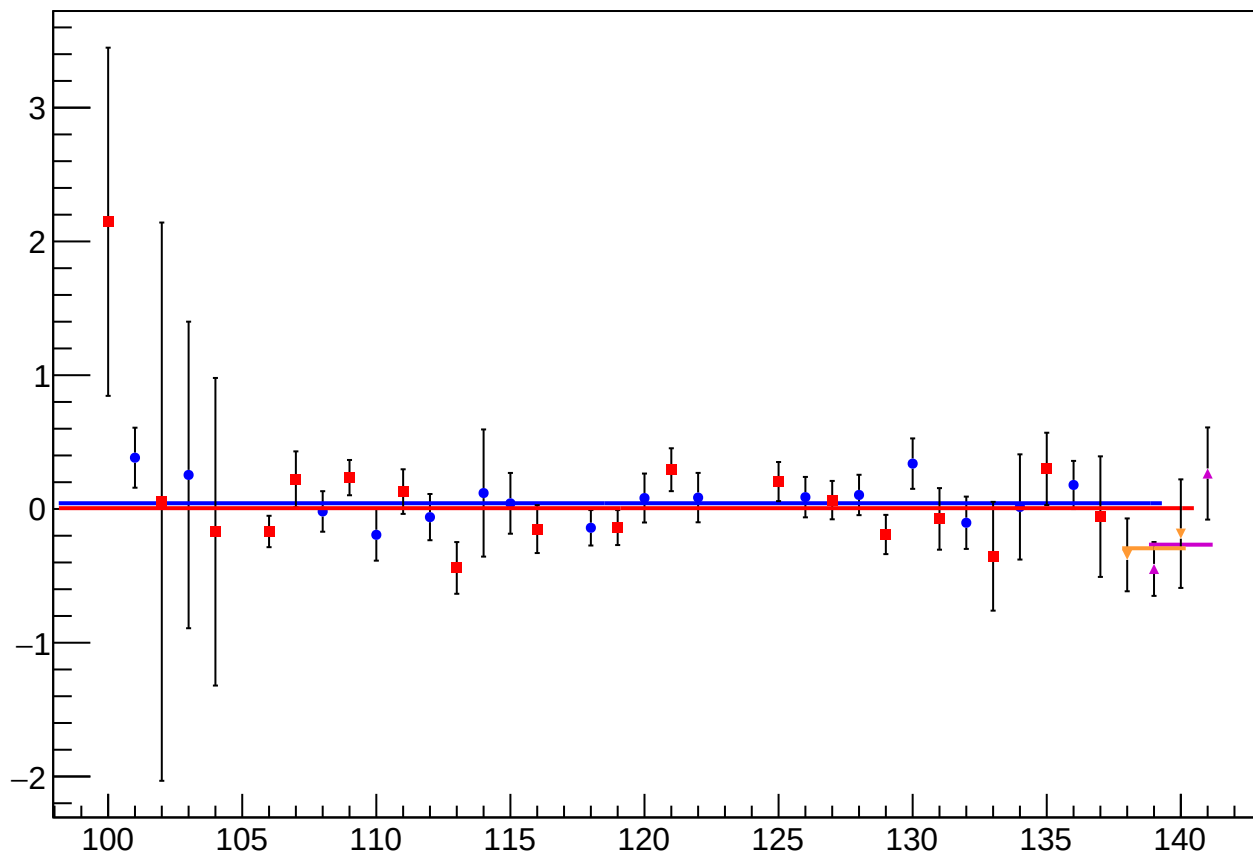
Left In: 212.187 $\pm$ 0.123 χ^2 /NDF: 274447.8/1

+ sign 123.532 $\pm$ 0.033 χ^2 /NDF: 2711598.8/17

All: 114.503 $\pm$ 0.022 χ^2 /NDF: 6564660.7/37

- sign 107.091 $\pm$ 0.030 χ^2 /NDF: 3715495.5/19

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 ± 0.047 χ^2/NDF : 10.3/15

Left Out: -0.294 ± 0.226 χ^2/NDF : 0.1/1

Right Out: 0.006 ± 0.043 χ^2/NDF : 26.0/17

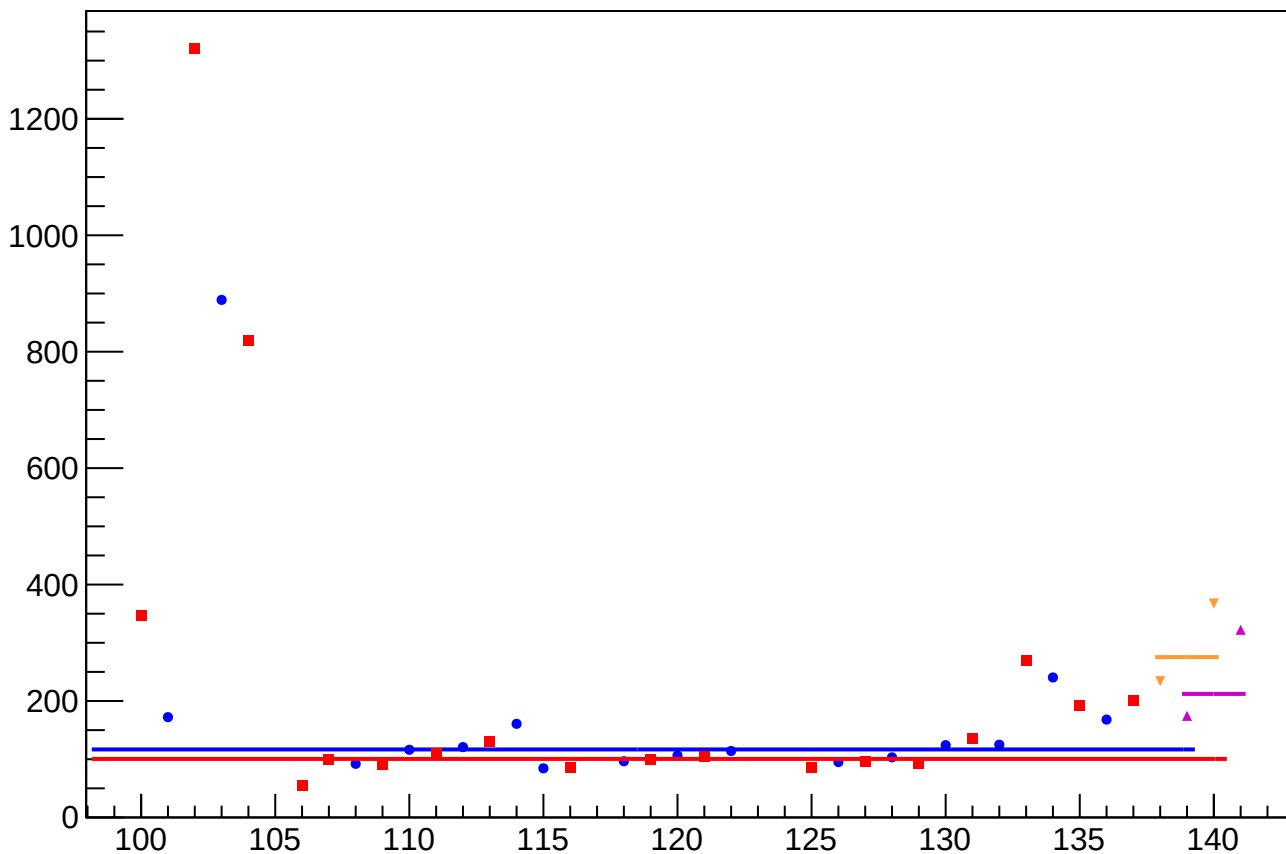
Left In: -0.267 ± 0.174 χ^2/NDF : 3.2/1

+ sign 0.029 ± 0.046 χ^2/NDF : 12.5/17

All: 0.007 ± 0.031 χ^2/NDF : 44.4/37

- sign -0.010 ± 0.042 χ^2/NDF : 31.5/19

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

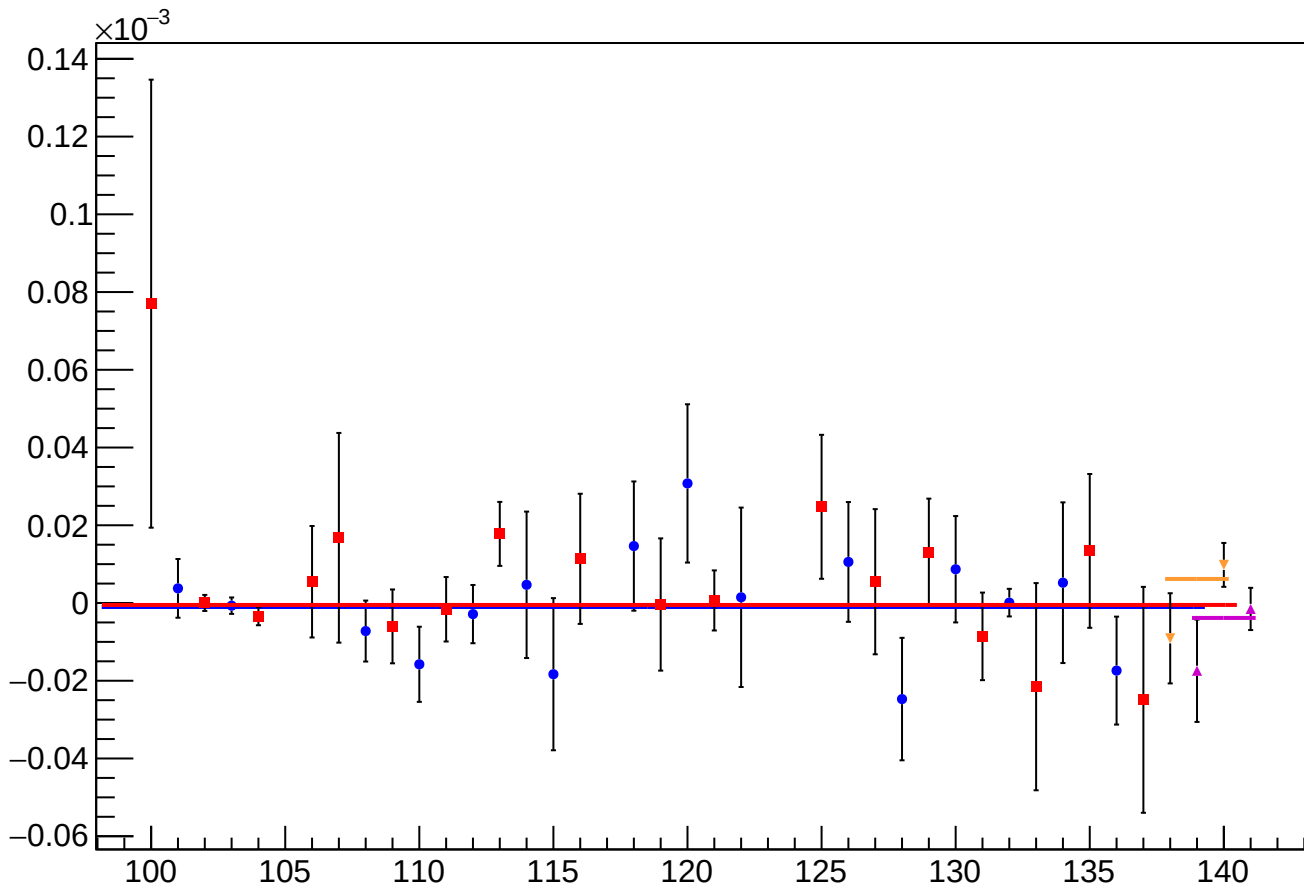
Left In: 212.187 $\pm$ 0.123 χ^2 /NDF:274447.8/1

+ sign 123.532 $\pm$ 0.033 χ^2 /NDF: 2711598.8/17

All: 114.503 $\pm$ 0.022 χ^2 /NDF: 6564660.7/37

- sign 107.091 $\pm$ 0.030 χ^2 /NDF: 3715495.5/19

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

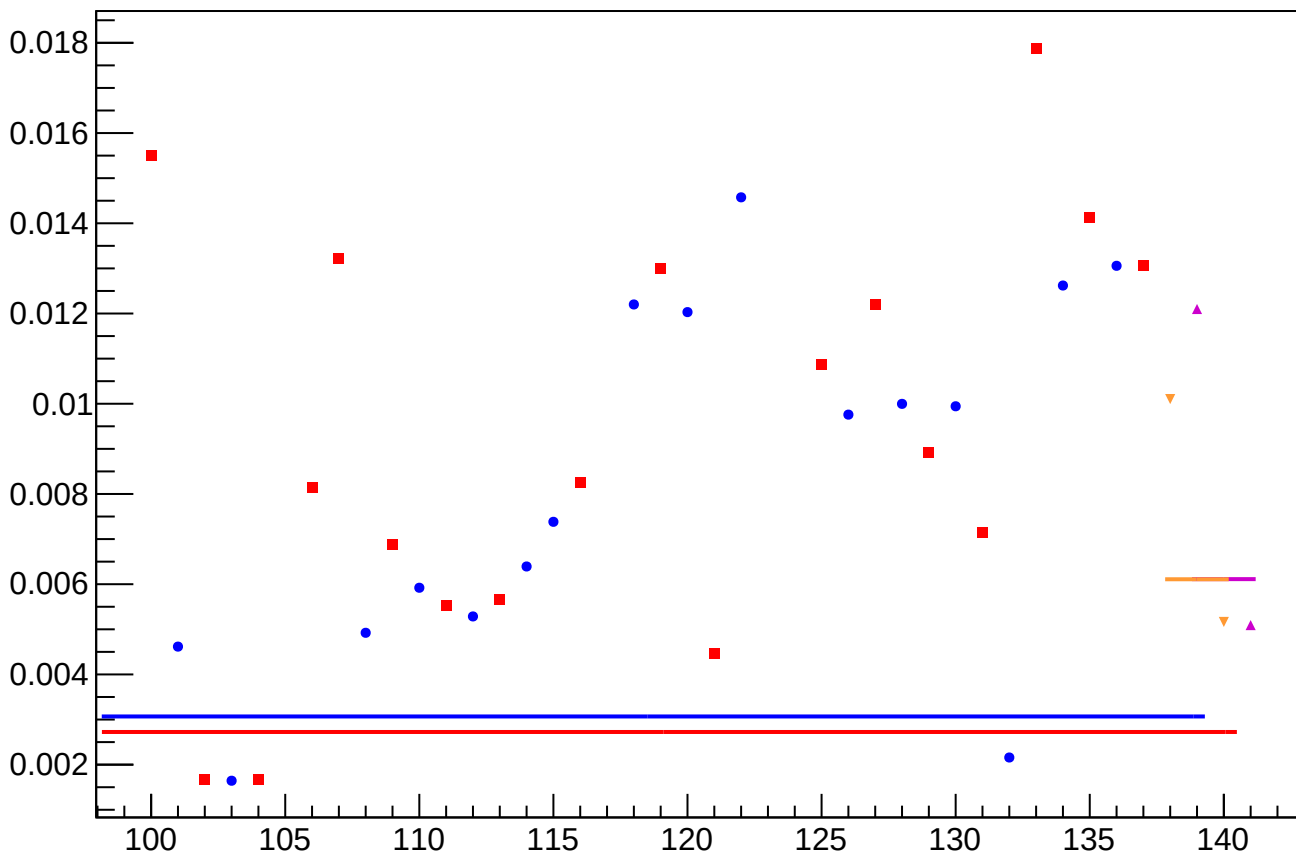
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.3/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/19

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

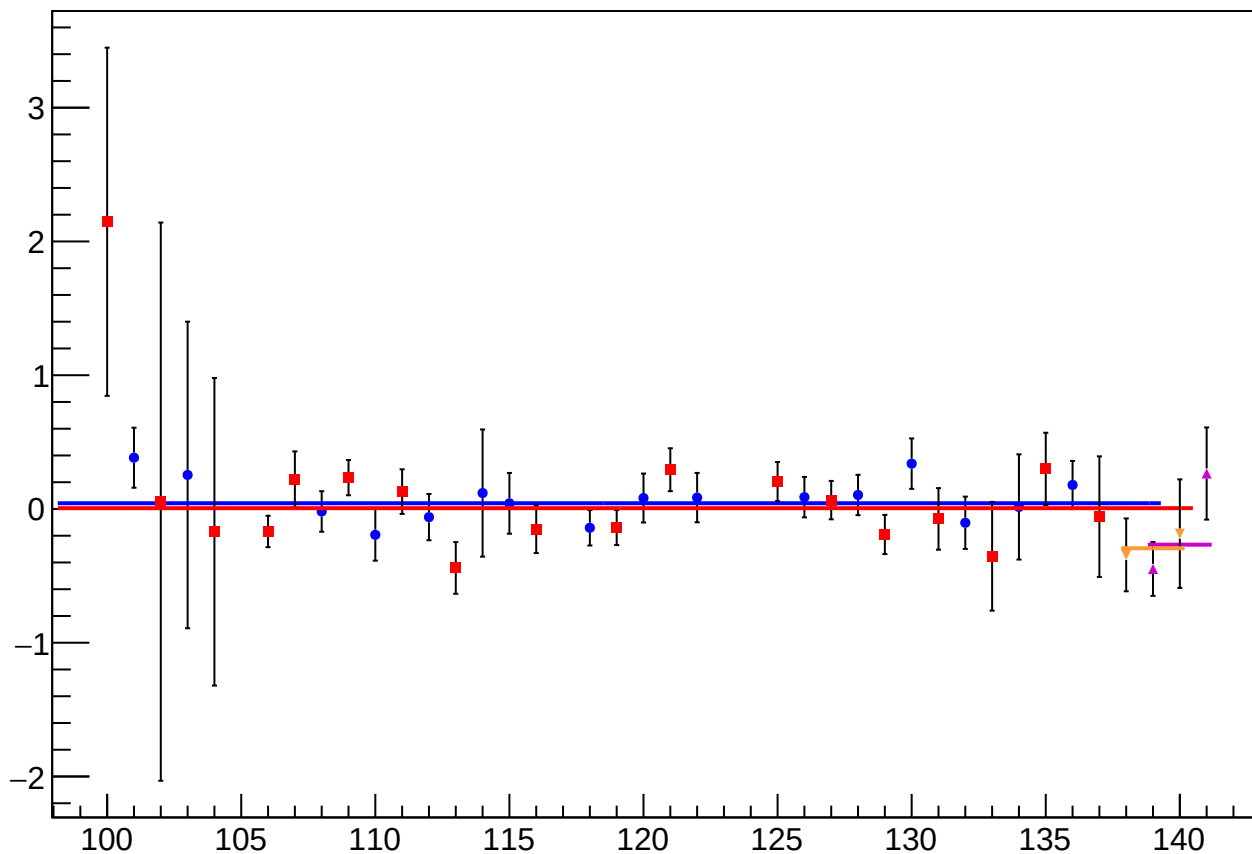
Left In: 0.006+/-0.000 χ^2/NDF : 484002.8/1

+ sign 0.003+/-0.000 χ^2/NDF : 6912051.1/17

All: 0.003+/-0.000 χ^2/NDF : 15021955.0/37

- sign 0.003+/-0.000 χ^2/NDF : 8042973.6/19

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

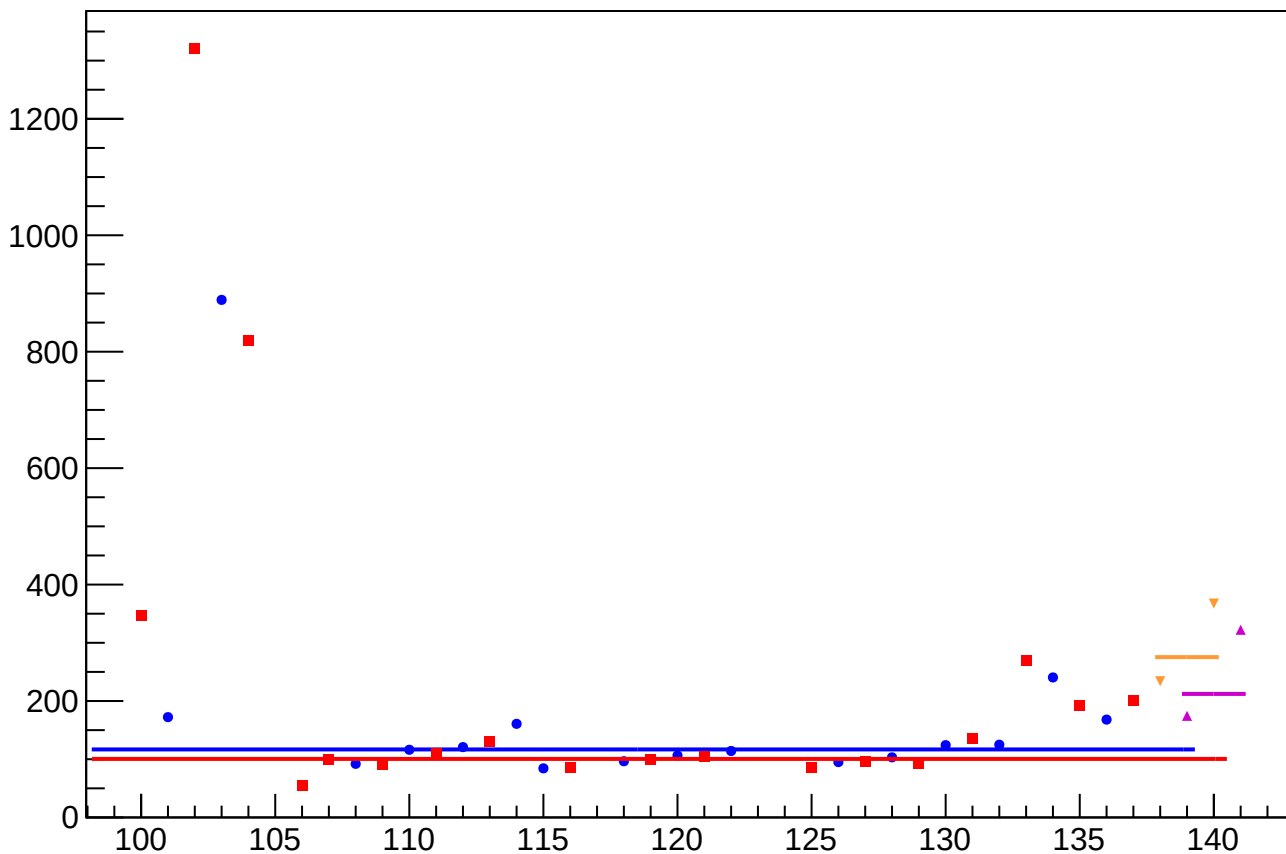
Left In: -0.267 $\pm$ 0.174 χ^2 /NDF: 3.2/1

+ sign 0.029 $\pm$ 0.046 χ^2 /NDF: 12.5/17

All: 0.007 $\pm$ 0.031 χ^2 /NDF: 44.4/37

- sign -0.010 $\pm$ 0.042 χ^2 /NDF: 31.6/19

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.841+/-0.034 χ^2/NDF : 1620812.6/15

Left Out: 275.403+/-0.160 χ^2/NDF :149058.6/1

Right Out: 100.543+/-0.031 χ^2/NDF : 2664231.9/17

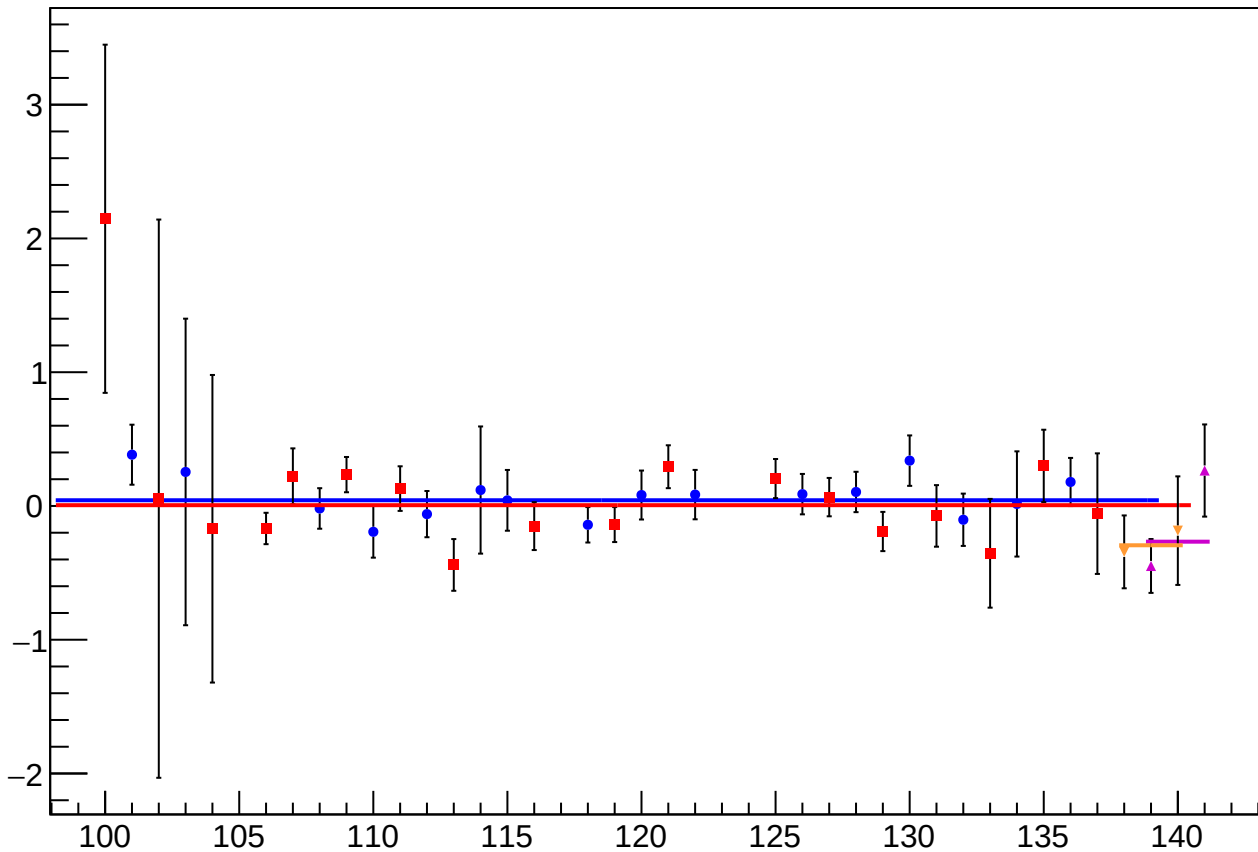
Left In: 212.192+/-0.123 χ^2/NDF :274430.1/1

+ sign 123.532+/-0.033 χ^2/NDF : 2711614.8/17

All: 114.503+/-0.022 χ^2/NDF : 6564804.9/37

- sign 107.090+/-0.030 χ^2/NDF : 3715608.7/19

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 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

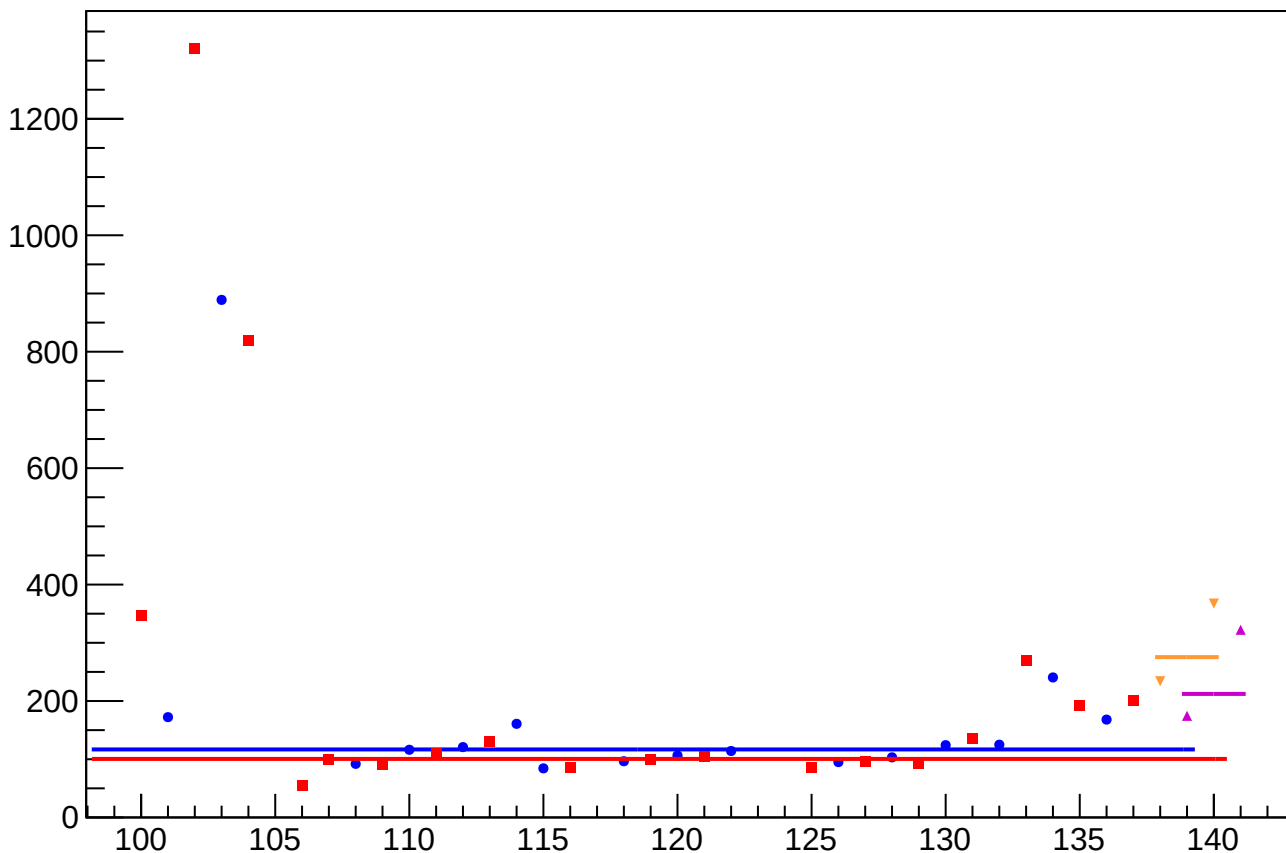
Left In: -0.267 $\pm$ 0.174 χ^2 /NDF: 3.2/1

+ sign 0.029 $\pm$ 0.046 χ^2 /NDF: 12.5/17

All: 0.007 $\pm$ 0.031 χ^2 /NDF: 44.4/37

- sign -0.010 $\pm$ 0.042 χ^2 /NDF: 31.6/19

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

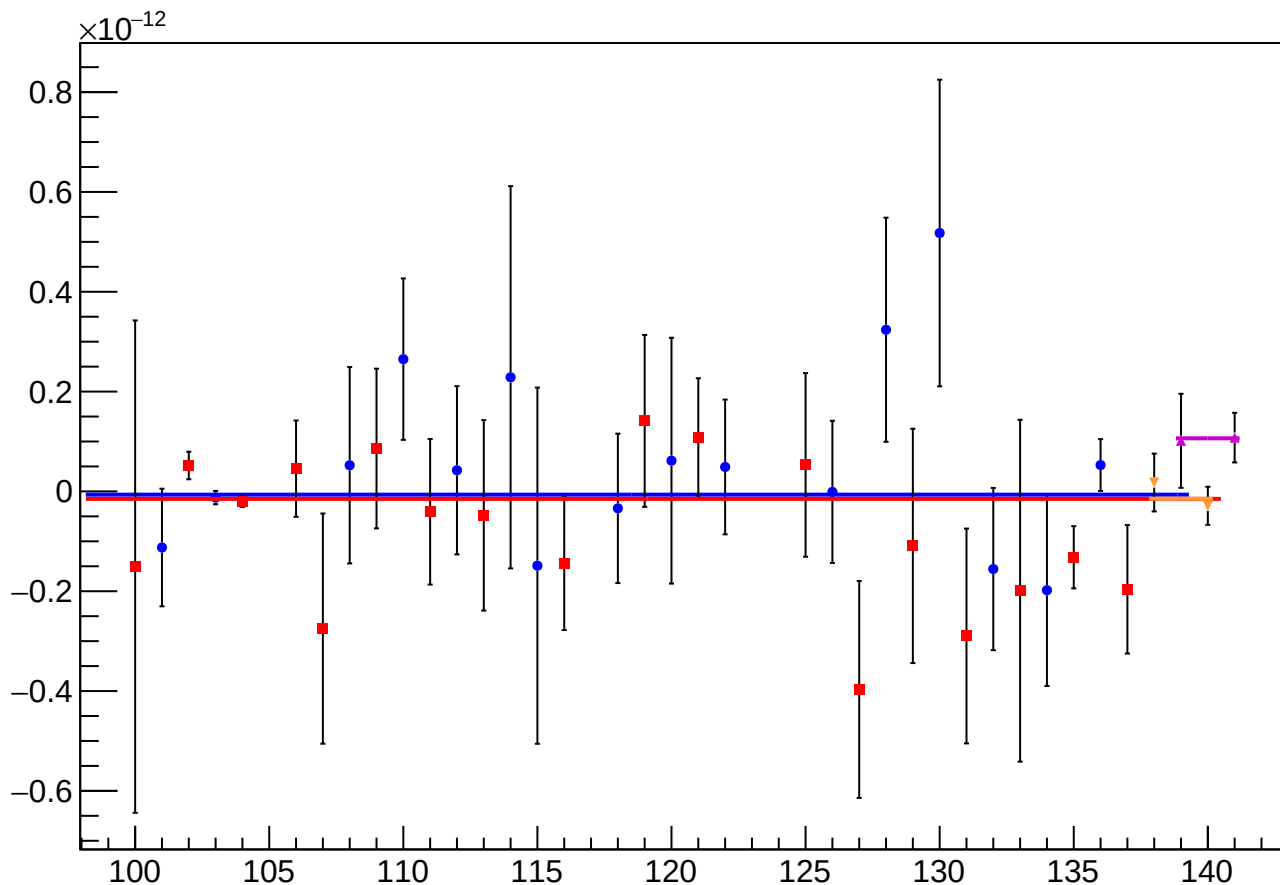
Left In: 212.192 $\pm$ 0.123 χ^2 /NDF:274430.1/1

+ sign 123.532 $\pm$ 0.033 χ^2 /NDF: 2711614.8/17

All: 114.503 $\pm$ 0.022 χ^2 /NDF: 6564804.9/37

- sign 107.090 $\pm$ 0.030 χ^2 /NDF: 3715608.7/19

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

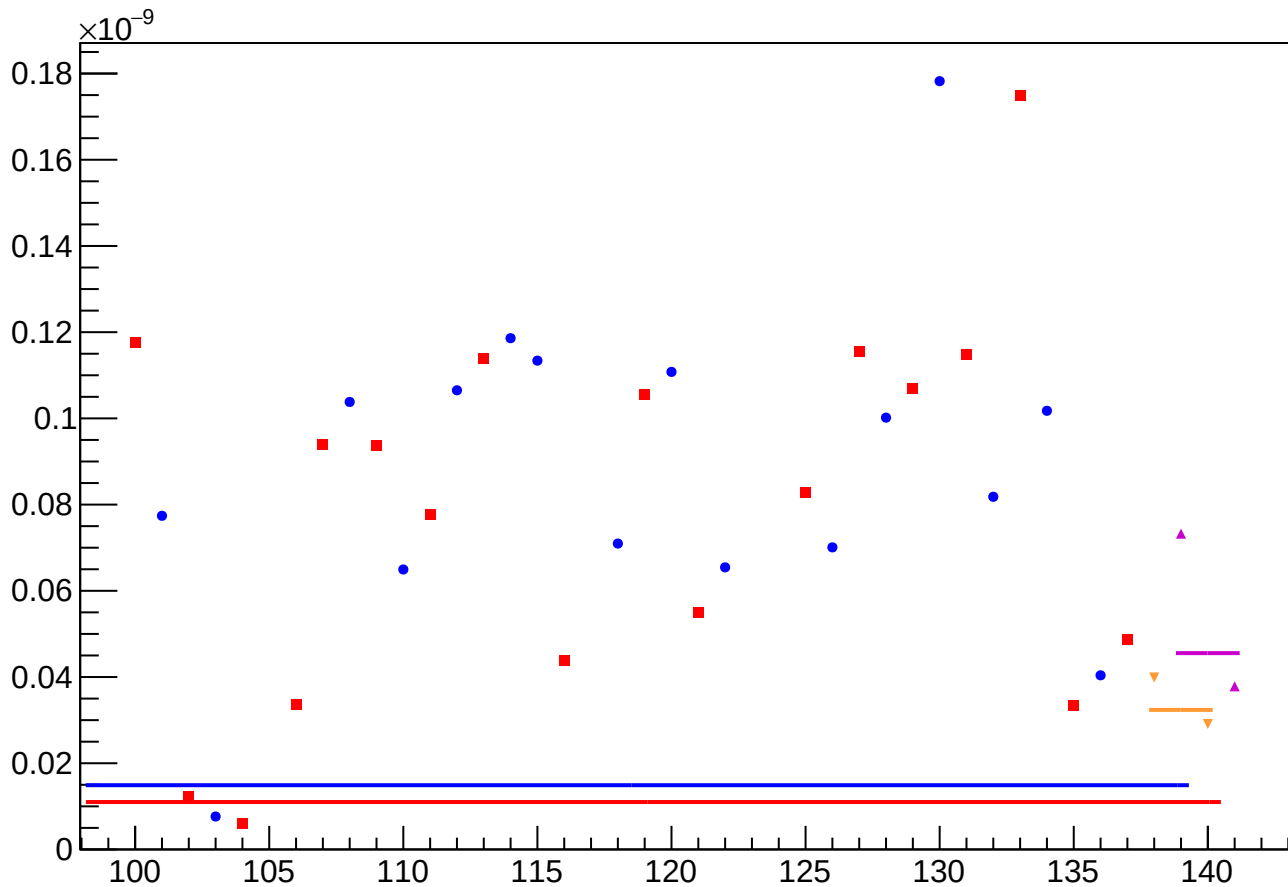
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 13.5/17

All: -0.000+/-0.000 χ^2/NDF : 42.7/37

- sign -0.000+/-0.000 χ^2/NDF : 29.2/19

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

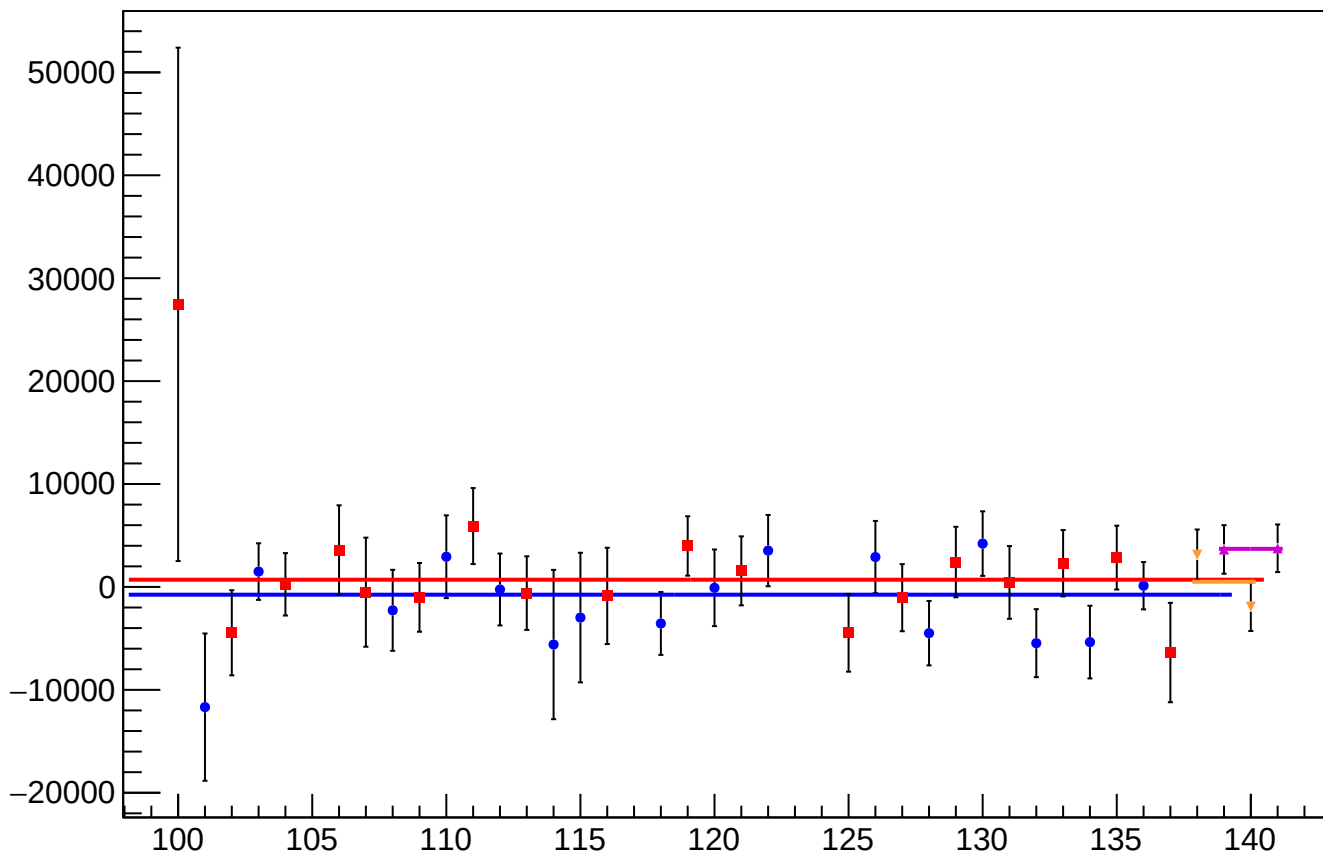
Left In: 0.000+/-0.000 χ^2/NDF : 221177.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 6461964.0/17

All: 0.000+/-0.000 χ^2/NDF : 13909869.8/37

- sign 0.000+/-0.000 χ^2/NDF : 7265602.5/19

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291 ± 872.652 χ^2/NDF : 15.9/15

Left Out: 505.533 ± 1704.969 χ^2/NDF : 2.2/1

Right Out: 702.198 ± 868.647 χ^2/NDF : 12.4/17

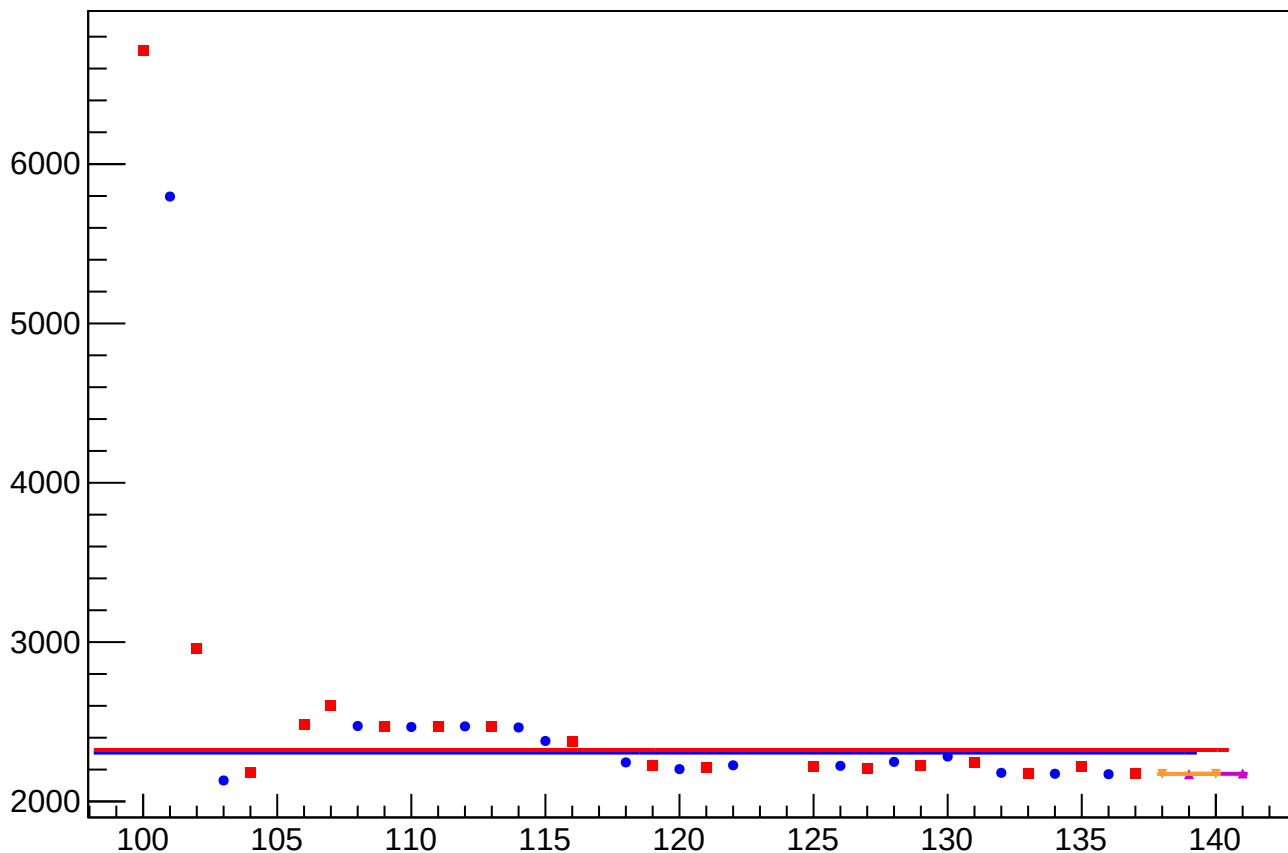
Left In: 3700.254 ± 1651.617 χ^2/NDF : 0.0/1

+ sign -492.768 ± 776.814 χ^2/NDF : 18.5/17

All: 439.079 ± 546.435 χ^2/NDF : 36.3/37

- sign 1351.802 ± 768.801 χ^2/NDF : 14.9/19

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 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

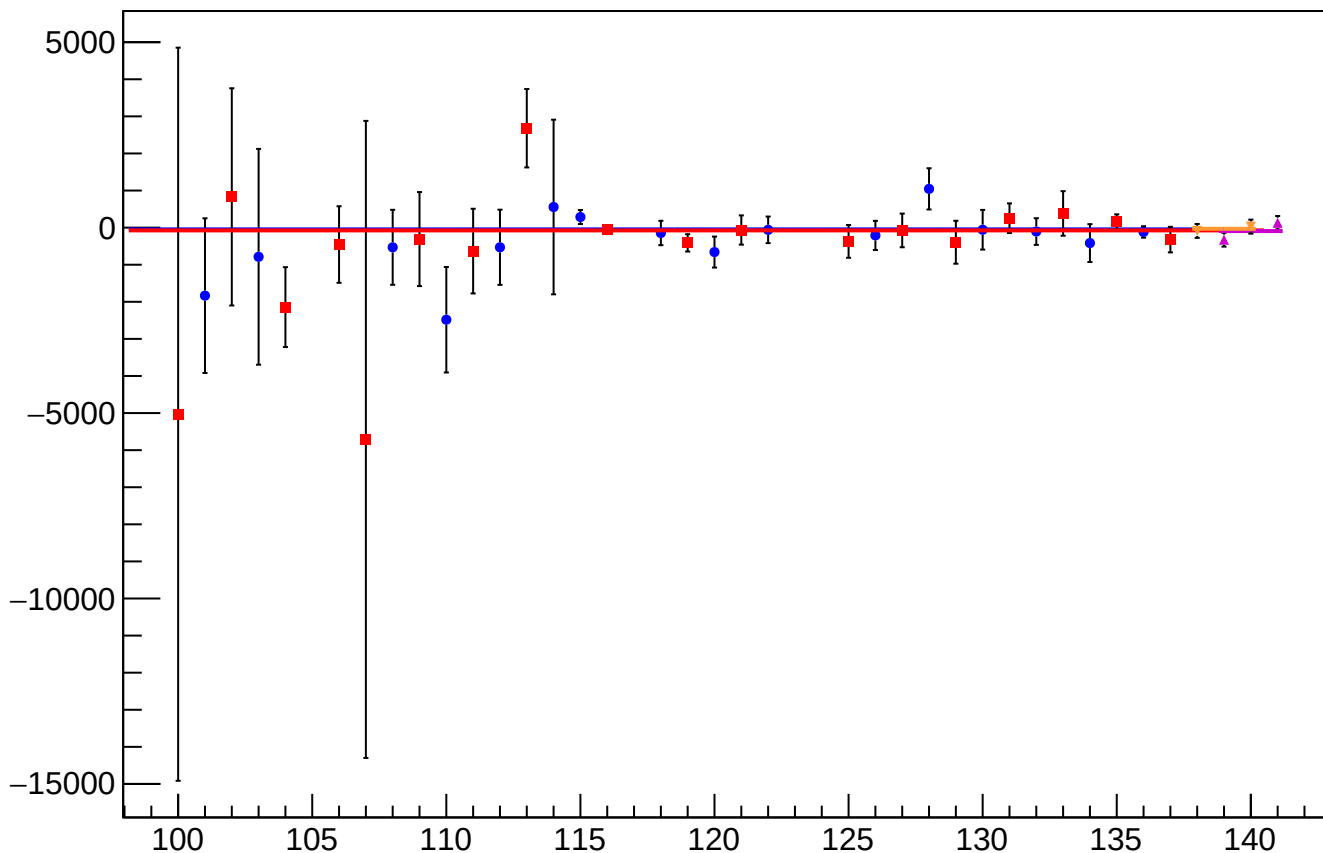
Left In: 2173.501 $\pm$ 1.168 χ^2 /NDF: 4.5/1

+ sign 2278.815 $\pm$ 0.549 χ^2 /NDF: 523947.9/17

All: 2284.776 $\pm$ 0.386 χ^2 /NDF: 688810.5/37

- sign 2290.615 $\pm$ 0.544 χ^2 /NDF: 164629.4/19

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -47.927 $\pm$ 90.914 χ^2 /NDF: 14.4/15

Left Out: -31.331 $\pm$ 133.036 χ^2 /NDF: 0.2/1

Right Out: -74.200 $\pm$ 82.384 χ^2 /NDF: 17.6/17

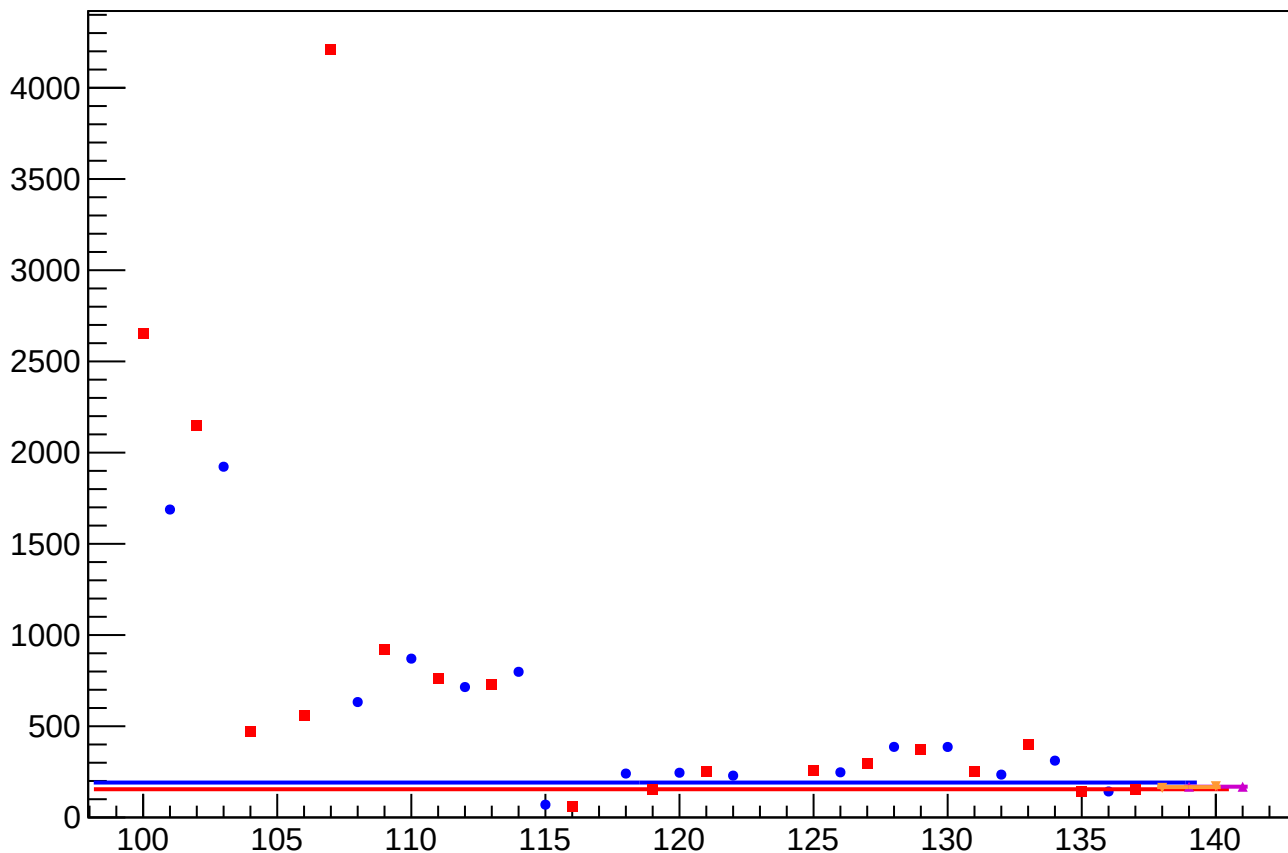
Left In: -92.577 $\pm$ 130.637 χ^2 /NDF: 3.0/1

+ sign -42.644 $\pm$ 75.061 χ^2 /NDF: 14.6/17

All: -62.401 $\pm$ 51.069 χ^2 /NDF: 35.4/37

- sign -79.429 $\pm$ 69.684 χ^2 /NDF: 20.7/19

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF : 5064747.7/15

Left Out: 166.452+/-0.094 χ^2/NDF : 2300.3/1

Right Out: 154.677+/-0.058 χ^2/NDF : 6154285.9/17

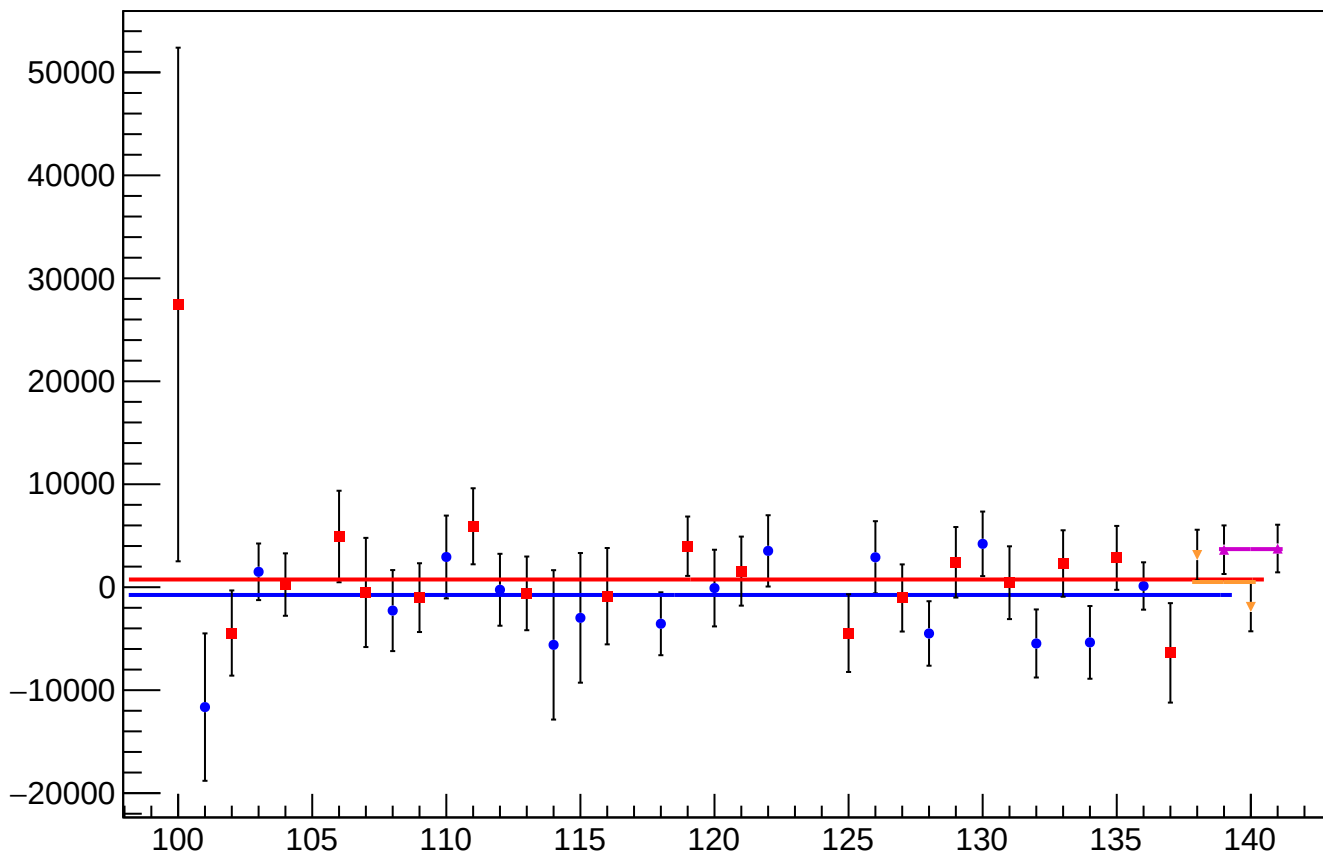
Left In: 168.694+/-0.092 χ^2/NDF : 3.2/1

+ sign 183.445+/-0.053 χ^2/NDF : 5114916.5/17

All: 170.136+/-0.036 χ^2/NDF : 11402750.0/37

- sign 158.665+/-0.049 χ^2/NDF : 6170764.8/19

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF : 15.9/15

Left Out: 505.592+/-1704.970 χ^2/NDF : 2.2/1

Right Out: 749.316+/-869.366 χ^2/NDF : 12.8/17

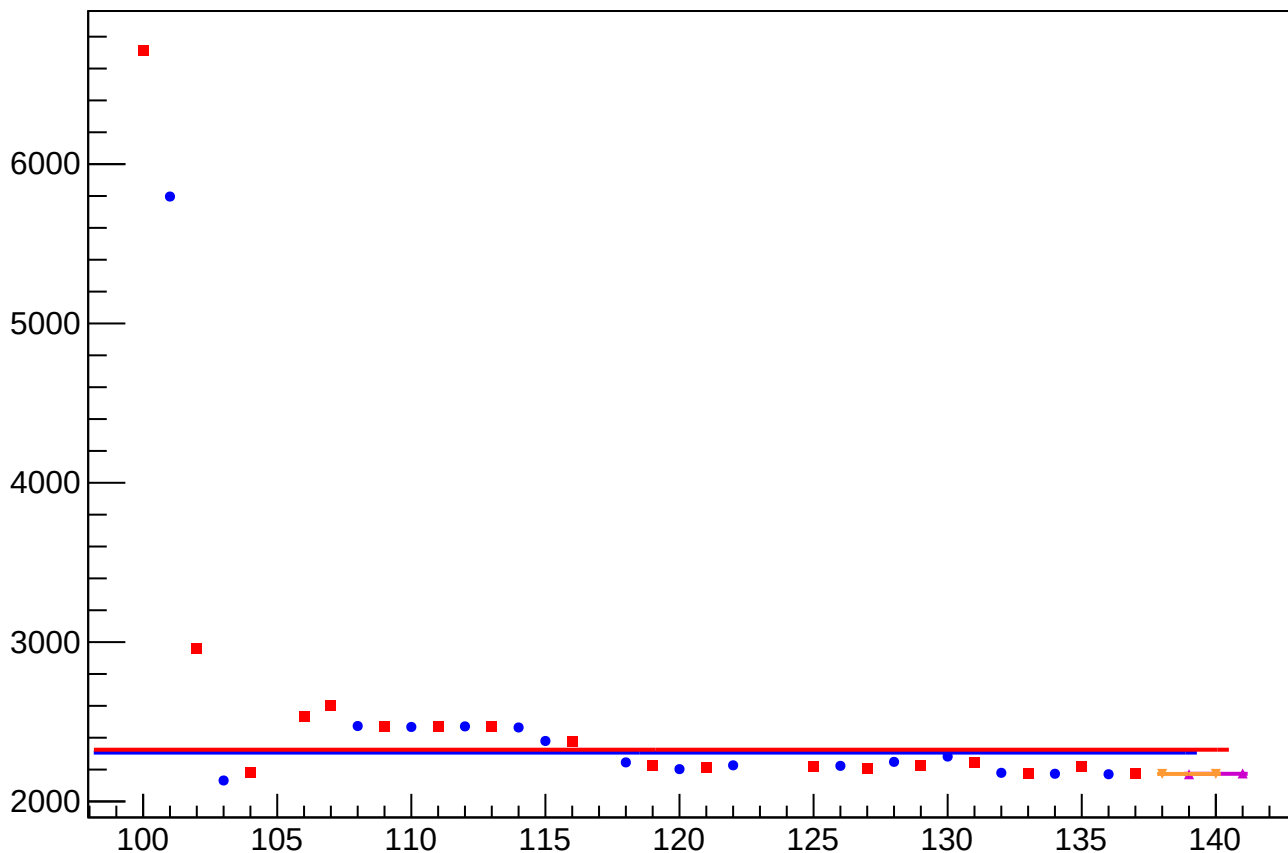
Left In: 3700.313+/-1651.617 χ^2/NDF : 0.0/1

+ sign -491.987+/-776.814 χ^2/NDF : 18.5/17

All: 457.928+/-546.614 χ^2/NDF : 36.8/37

- sign 1389.554+/-769.300 χ^2/NDF : 15.3/19

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 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

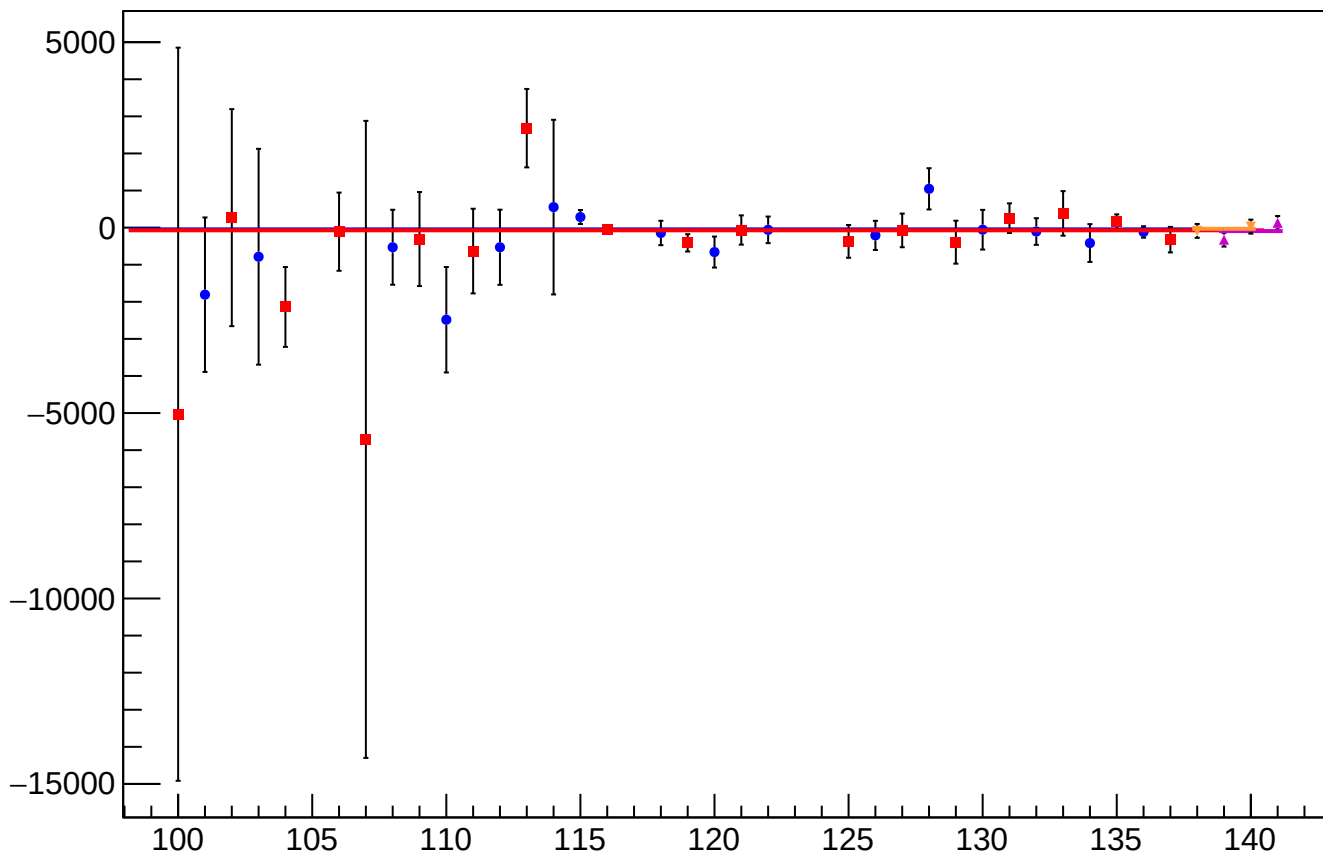
Left In: 2173.501 $\pm$ 1.168 χ^2 /NDF: 4.5/1

+ sign 2278.815 $\pm$ 0.549 χ^2 /NDF: 523948.2/17

All: 2285.413 $\pm$ 0.387 χ^2 /NDF: 690939.3/37

- sign 2291.885 $\pm$ 0.544 χ^2 /NDF: 166705.3/19

asym_us_dd_at1lr_dd_avg_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

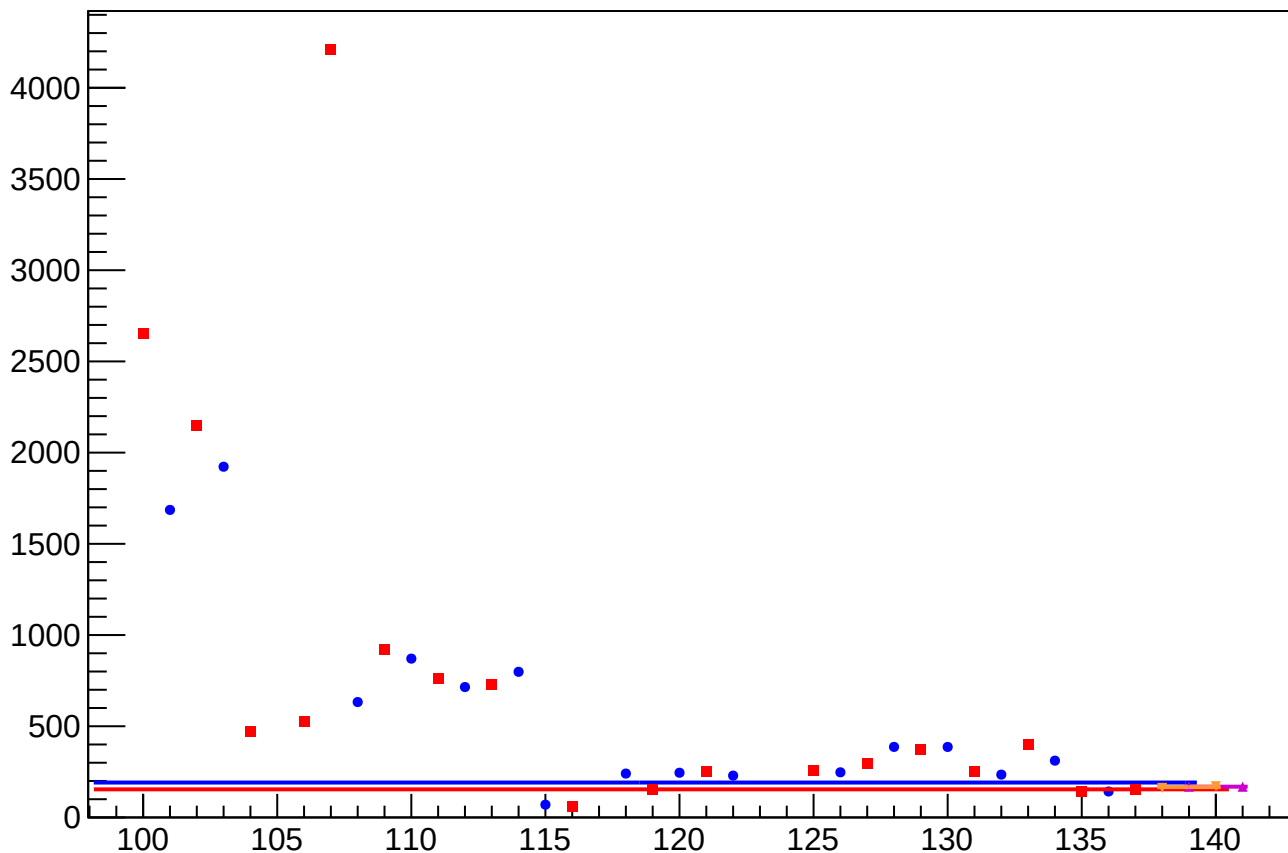
Left In: -92.876 ± 130.642 χ^2/NDF : 3.0/1

+ sign -42.597 ± 75.063 χ^2/NDF : 14.6/17

All: -61.662 ± 51.056 χ^2/NDF : 35.1/37

- sign -78.075 ± 69.648 χ^2/NDF : 20.5/19

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405 $\pm$ 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

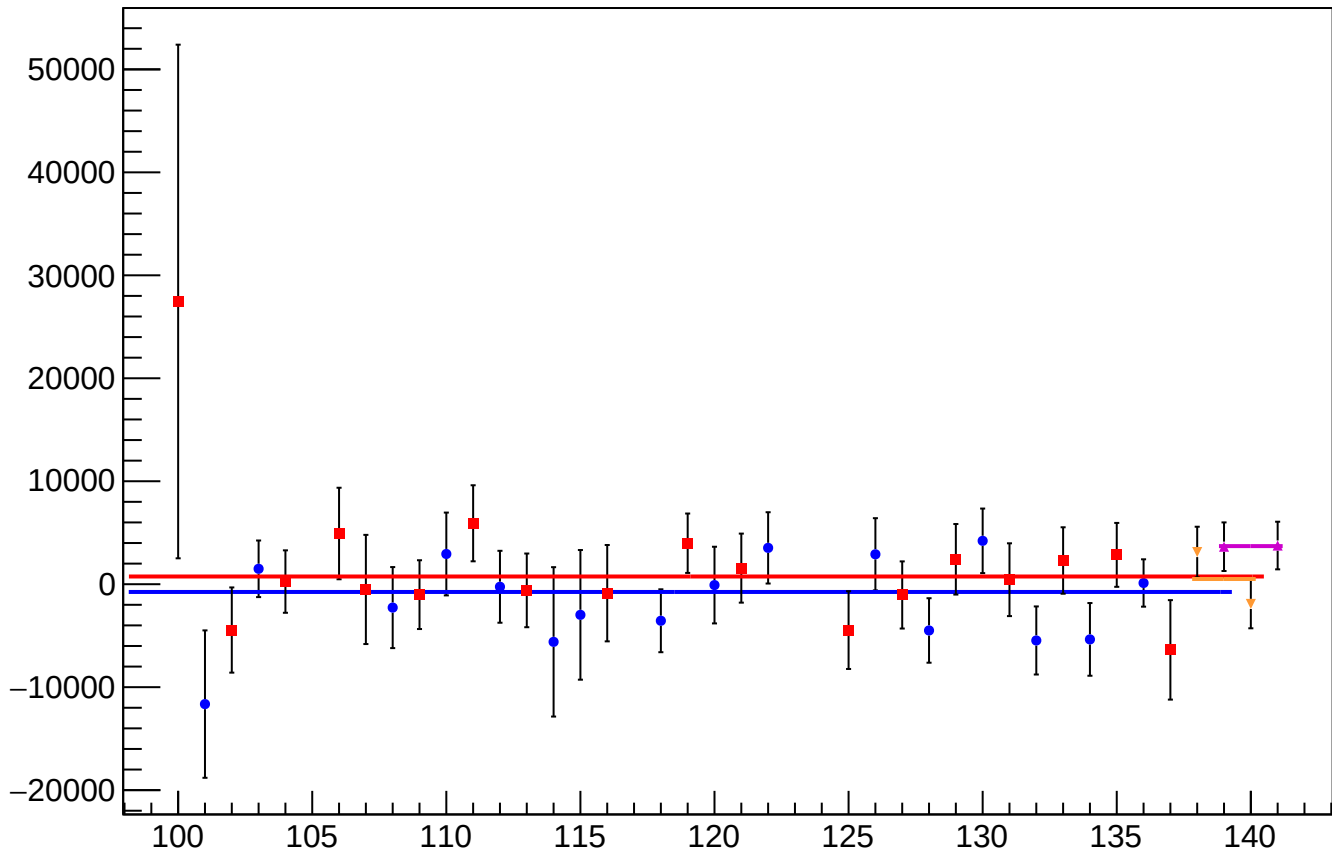
Left In: 168.698 $\pm$ 0.092 χ^2 /NDF: 3.4/1

+ sign 183.458 $\pm$ 0.053 χ^2 /NDF: 5113897.1/17

All: 169.919 $\pm$ 0.036 χ^2 /NDF: 11361456.9/37

- sign 158.264 $\pm$ 0.049 χ^2 /NDF: 6126492.4/19

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF : 15.9/15

Left Out: 505.592+/-1704.970 χ^2/NDF : 2.2/1

Right Out: 749.316+/-869.366 χ^2/NDF : 12.8/17

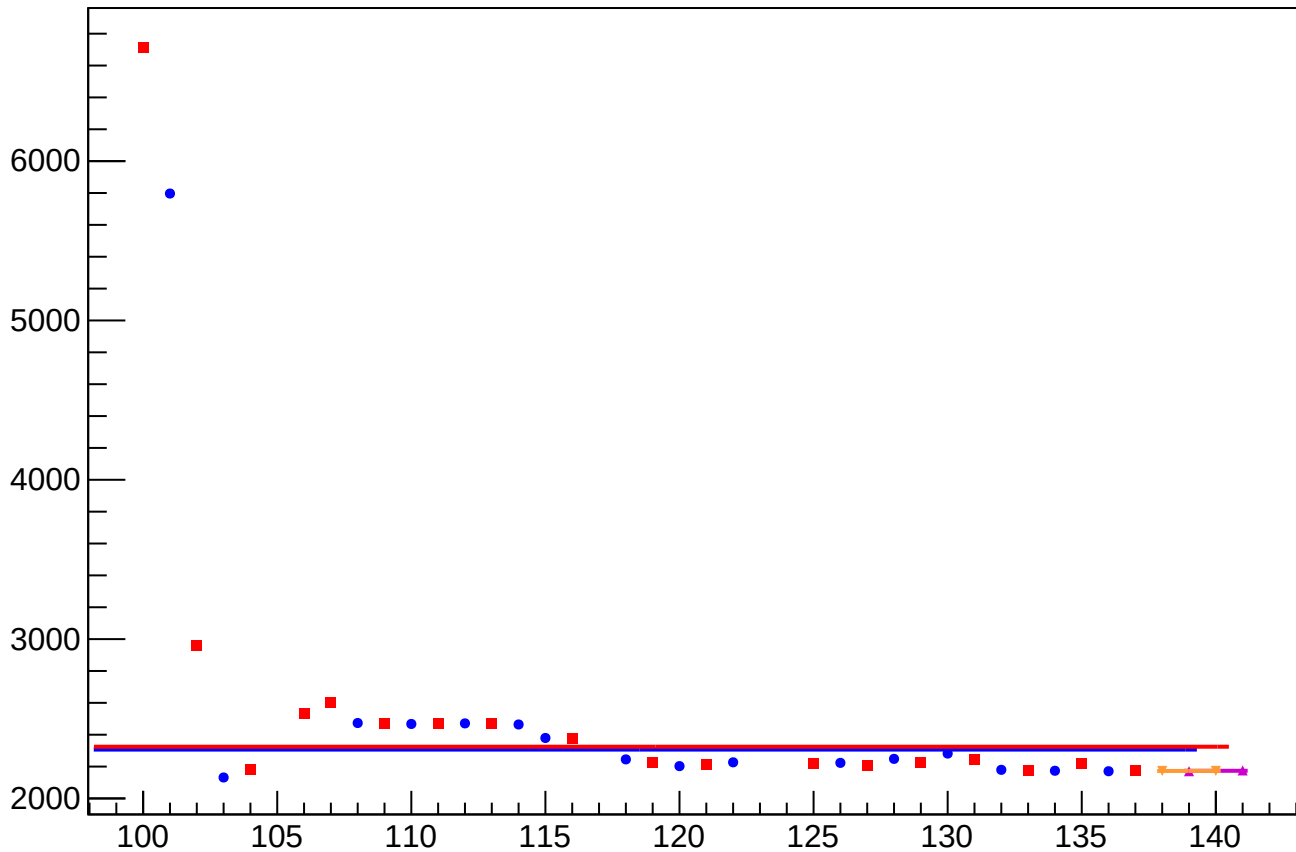
Left In: 3700.313+/-1651.617 χ^2/NDF : 0.0/1

+ sign -491.987+/-776.814 χ^2/NDF : 18.5/17

All: 457.928+/-546.614 χ^2/NDF : 36.8/37

- sign 1389.554+/-769.300 χ^2/NDF : 15.3/19

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF : 514150.6/15

Left Out: 2172.587+/-1.206 χ^2/NDF : 0.0/1

+ sign 2278.815+/-0.549 χ^2/NDF : 523948.2/17

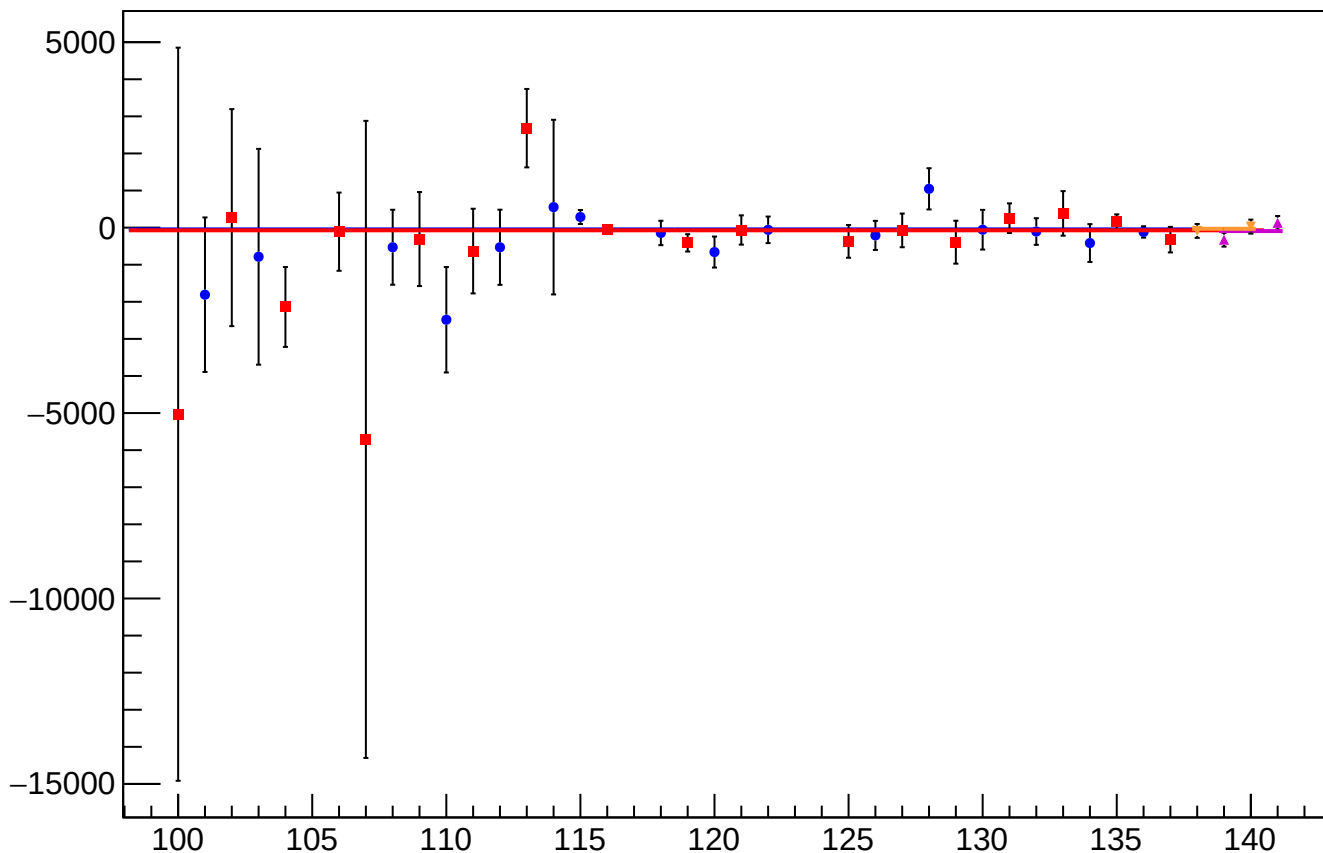
Right Out: 2324.685+/-0.615 χ^2/NDF : 153578.5/17

All: 2285.413+/-0.387 χ^2/NDF : 690939.3/37

- sign 2291.885+/-0.544 χ^2/NDF : 166705.3/19

Left In: 2173.501+/-1.168 χ^2/NDF : 4.5/1

asym_us_dd_at1lr_dd_avg_eigen_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

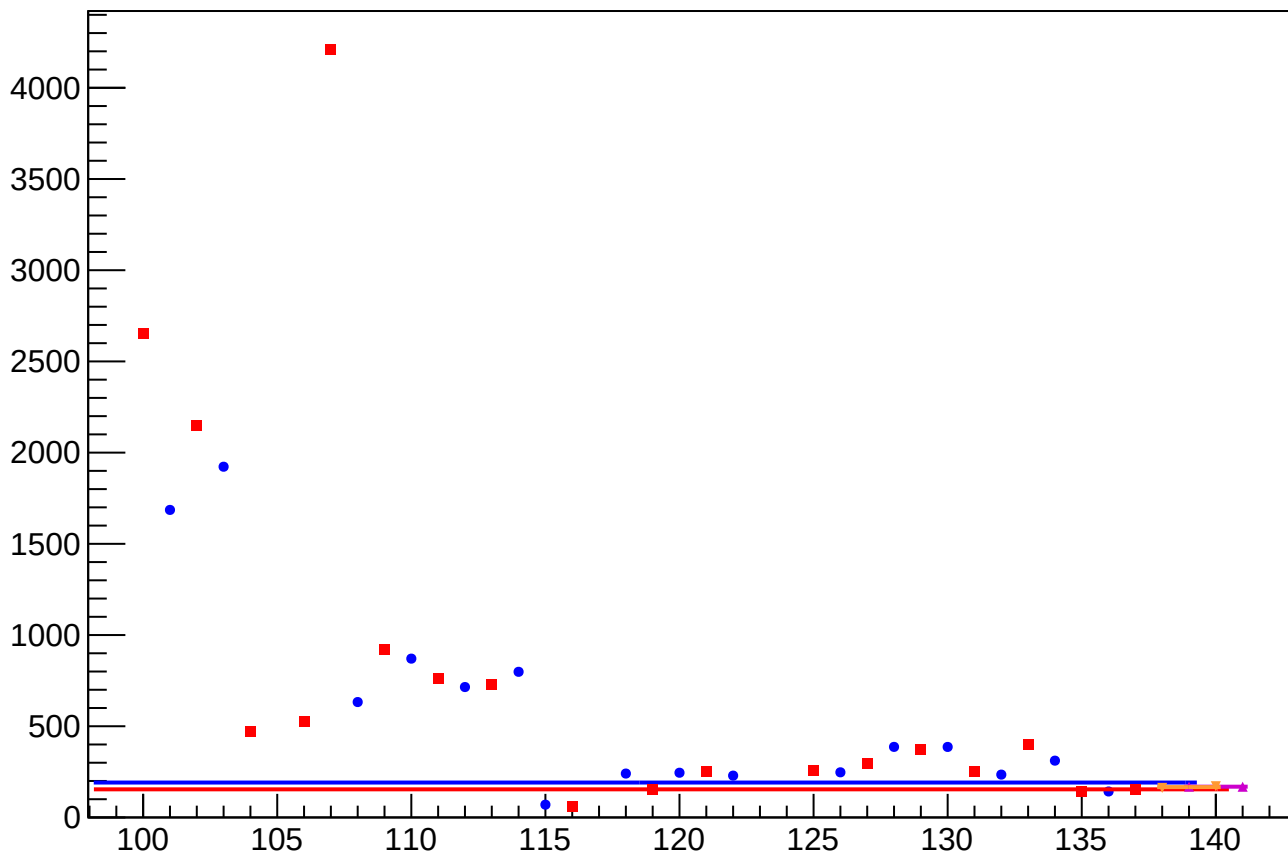
Left In: -92.876 $\pm$ 130.642 χ^2/NDF : 3.0/1

+ sign -42.597 $\pm$ 75.063 χ^2/NDF : 14.6/17

All: -61.662 $\pm$ 51.056 χ^2/NDF : 35.1/37

- sign -78.075 $\pm$ 69.648 χ^2/NDF : 20.5/19

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

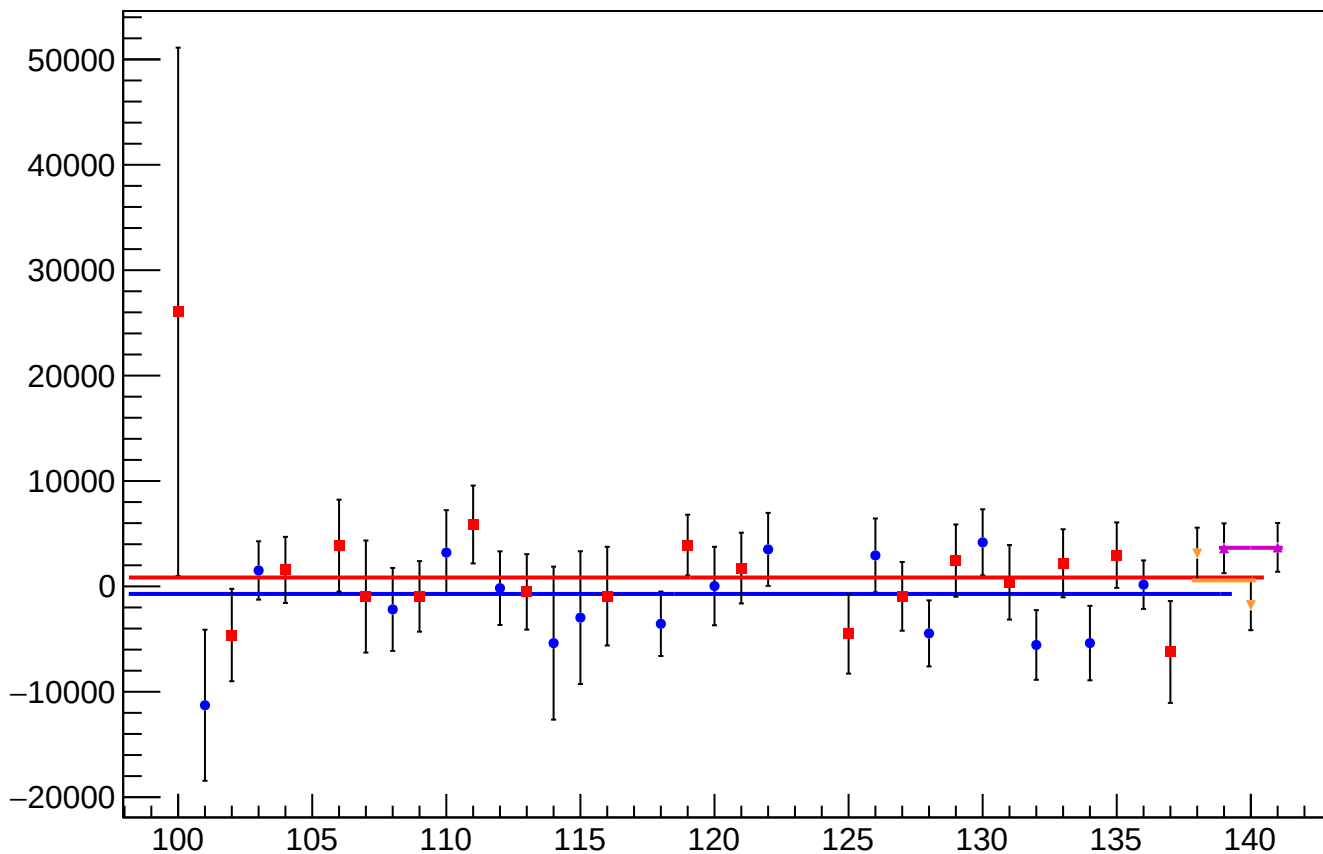
Left In: 168.698 $\pm$ 0.092 χ^2 /NDF: 3.4/1

+ sign 183.458 $\pm$ 0.053 χ^2 /NDF: 5113897.1/17

All: 169.919 $\pm$ 0.036 χ^2 /NDF: 11361456.9/37

- sign 158.264 $\pm$ 0.049 χ^2 /NDF: 6126492.4/19

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136 ± 873.539 χ^2/NDF : 15.8/15

Left Out: 565.674 ± 1705.645 χ^2/NDF : 2.1/1

Right Out: 842.157 ± 873.586 χ^2/NDF : 12.2/17

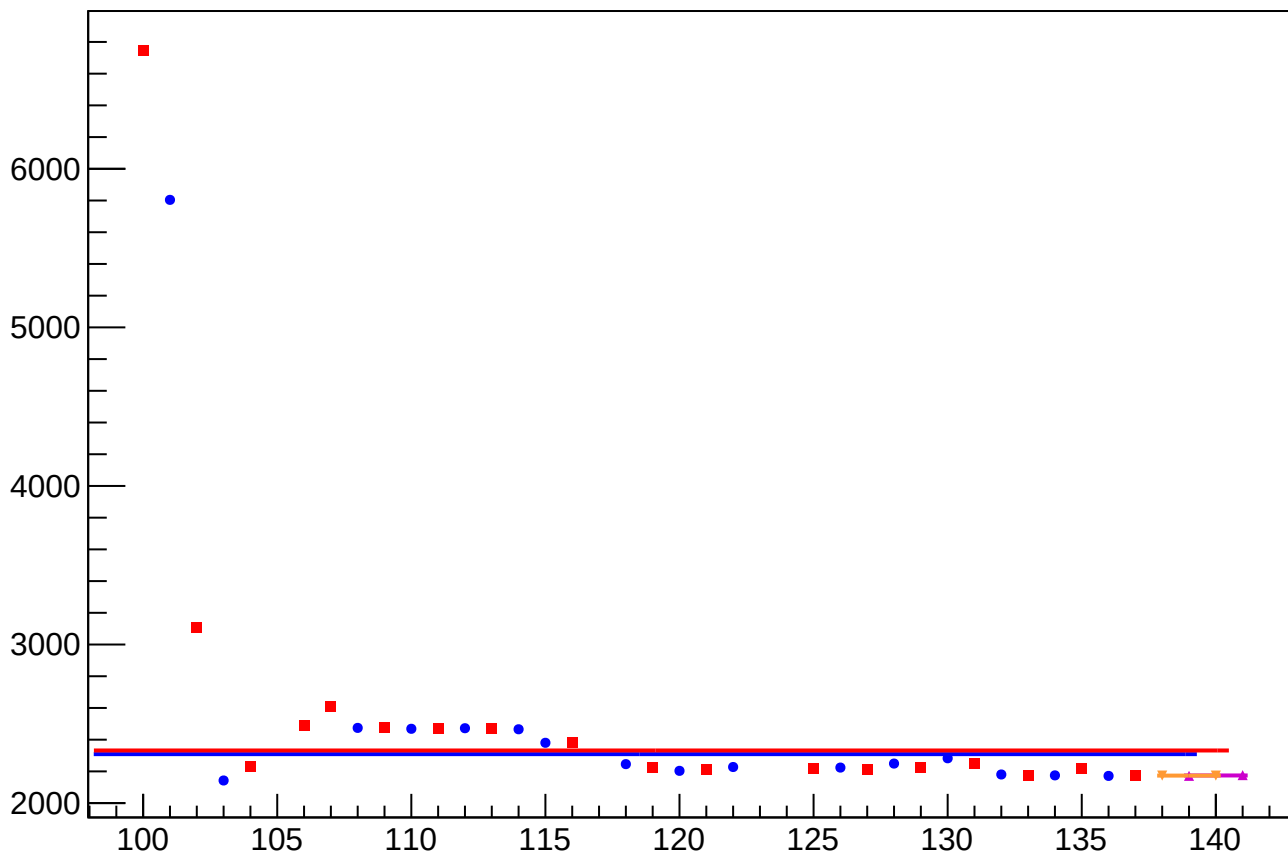
Left In: 3661.141 ± 1652.219 χ^2/NDF : 0.0/1

+ sign -450.580 ± 777.503 χ^2/NDF : 18.4/17

All: 510.169 ± 547.922 χ^2/NDF : 35.8/37

- sign 1458.054 ± 772.281 χ^2/NDF : 14.4/19

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739 $\pm$ 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

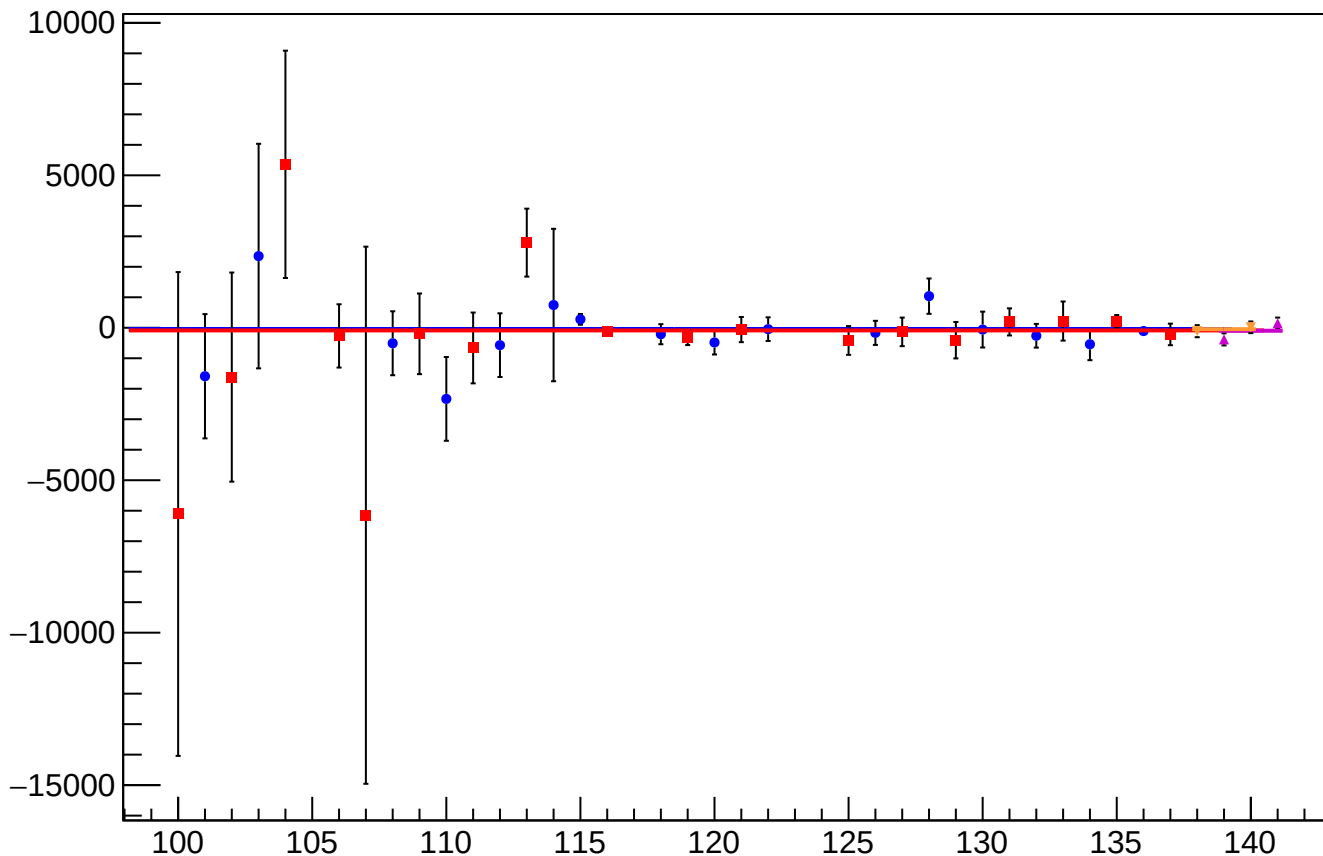
Left In: 2174.293 $\pm$ 1.168 χ^2 /NDF: 3.9/1

+ sign 2280.627 $\pm$ 0.550 χ^2 /NDF: 523710.7/17

All: 2289.083 $\pm$ 0.387 χ^2 /NDF: 705719.9/37

- sign 2297.426 $\pm$ 0.546 χ^2 /NDF: 181539.2/19

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

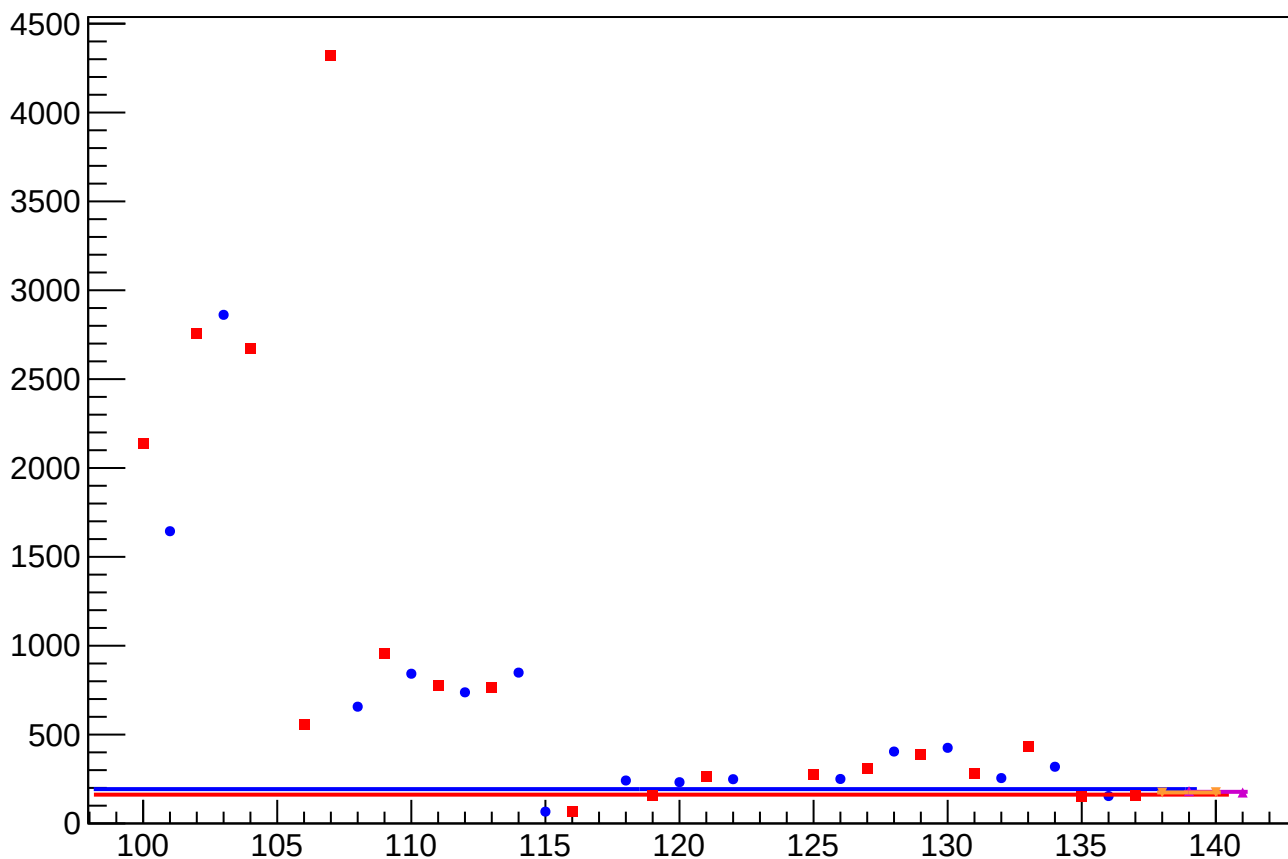
Left In: -97.450+/-135.776 χ^2/NDF : 3.8/1

+ sign -41.832+/-76.790 χ^2/NDF : 14.3/17

All: -66.995+/-52.795 χ^2/NDF : 33.2/37

- sign -89.553+/-72.705 χ^2/NDF : 18.7/19

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF : 5617847.0/15

Left Out: 174.530+/-0.098 χ^2/NDF : 86.5/1

Right Out: 162.114+/-0.061 χ^2/NDF : 7070489.1/17

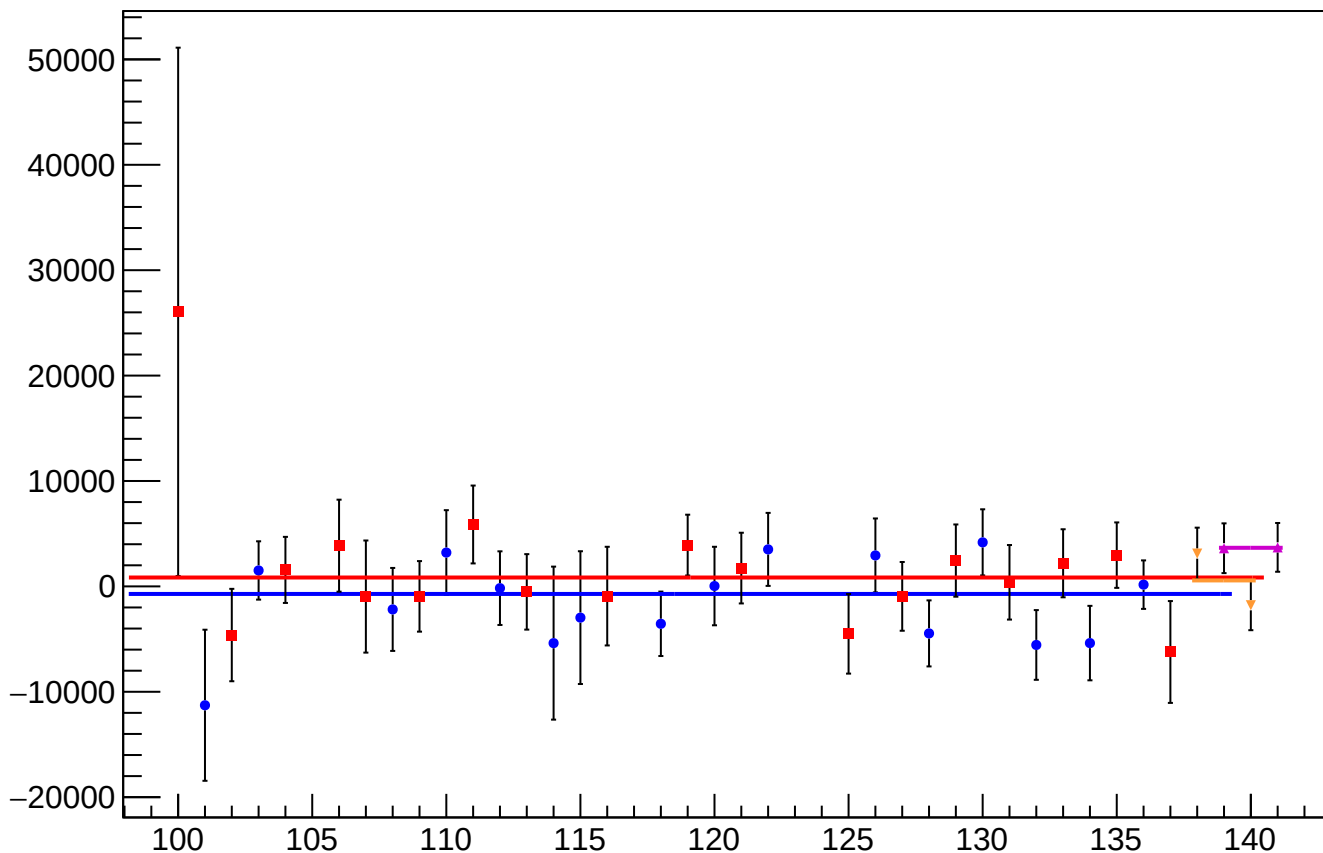
Left In: 177.899+/-0.096 χ^2/NDF : 1779.4/1

+ sign 187.460+/-0.054 χ^2/NDF : 5643347.8/17

All: 176.482+/-0.037 χ^2/NDF : 12812422.6/37

- sign 166.640+/-0.051 χ^2/NDF : 7091548.3/19

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137 ± 873.539 χ^2/NDF : 15.8/15

Left Out: 565.676 ± 1705.645 χ^2/NDF : 2.1/1

Right Out: 842.159 ± 873.586 χ^2/NDF : 12.2/17

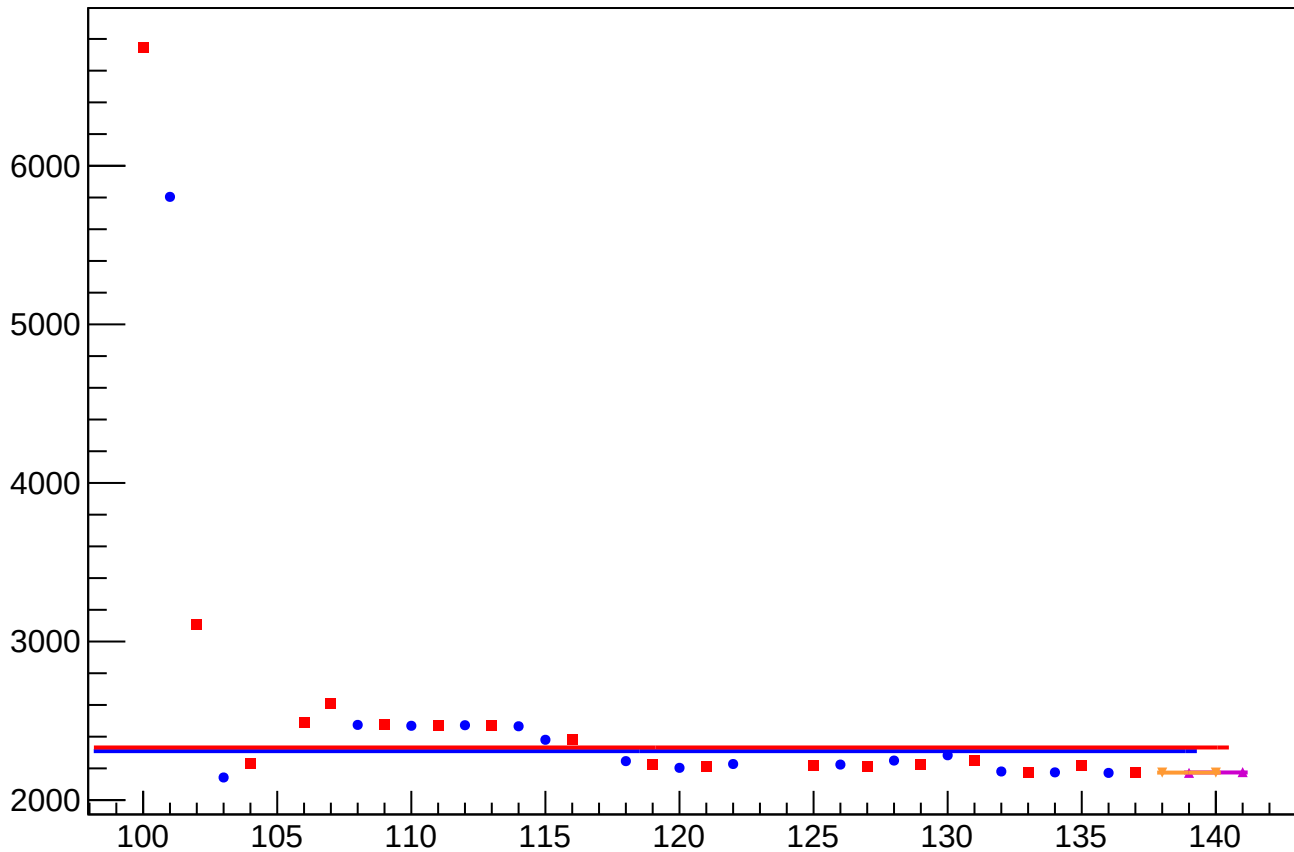
Left In: 3661.136 ± 1652.219 χ^2/NDF : 0.0/1

+ sign -450.580 ± 777.503 χ^2/NDF : 18.4/17

All: 510.169 ± 547.922 χ^2/NDF : 35.8/37

- sign 1458.054 ± 772.281 χ^2/NDF : 14.4/19

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF : 513742.2/15

Left Out: 2173.448+/-1.206 χ^2/NDF : 0.0/1

Right Out: 2331.849+/-0.618 χ^2/NDF : 167321.6/17

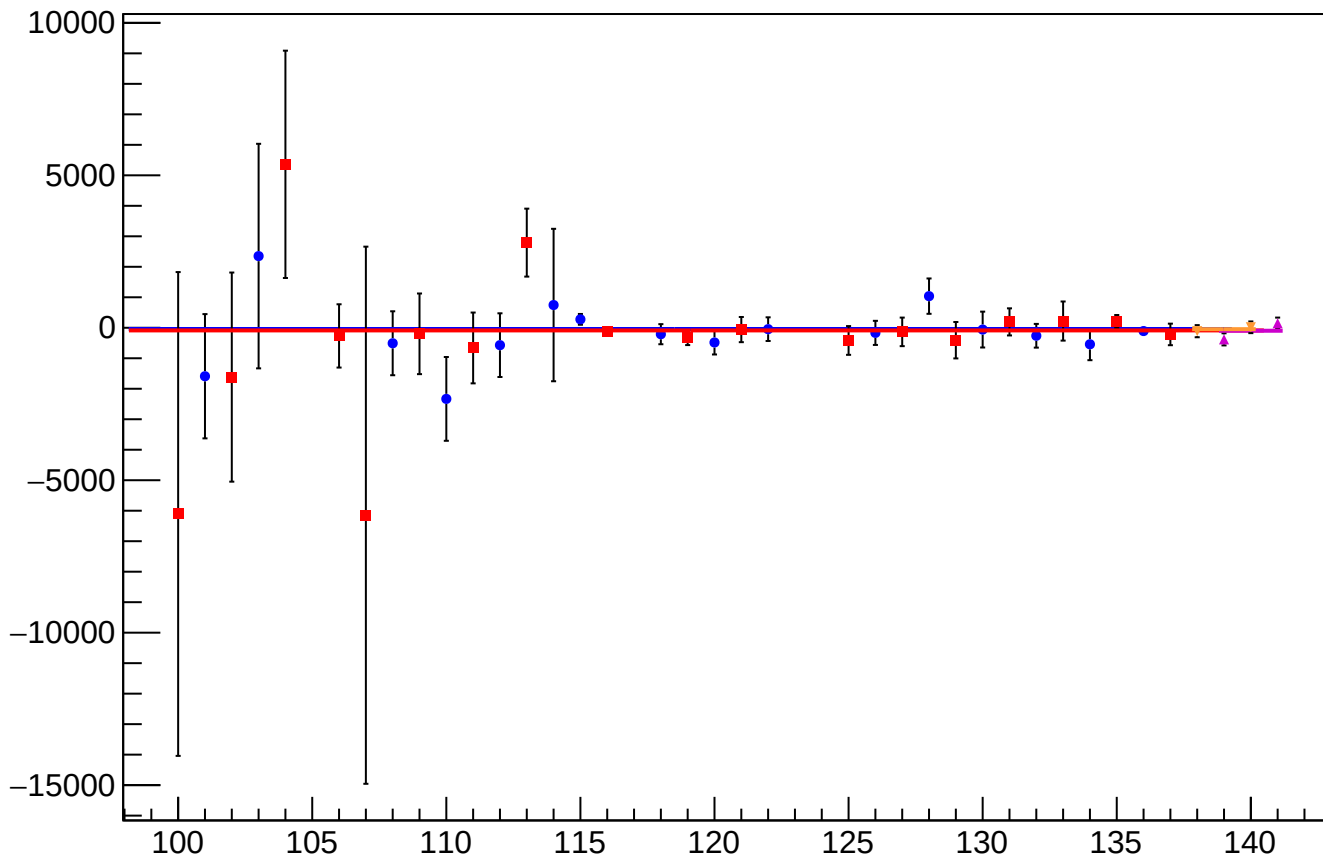
Left In: 2174.293+/-1.168 χ^2/NDF : 3.9/1

+ sign 2280.627+/-0.550 χ^2/NDF : 523710.8/17

All: 2289.083+/-0.387 χ^2/NDF : 705719.8/37

- sign 2297.426+/-0.546 χ^2/NDF : 181539.1/19

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

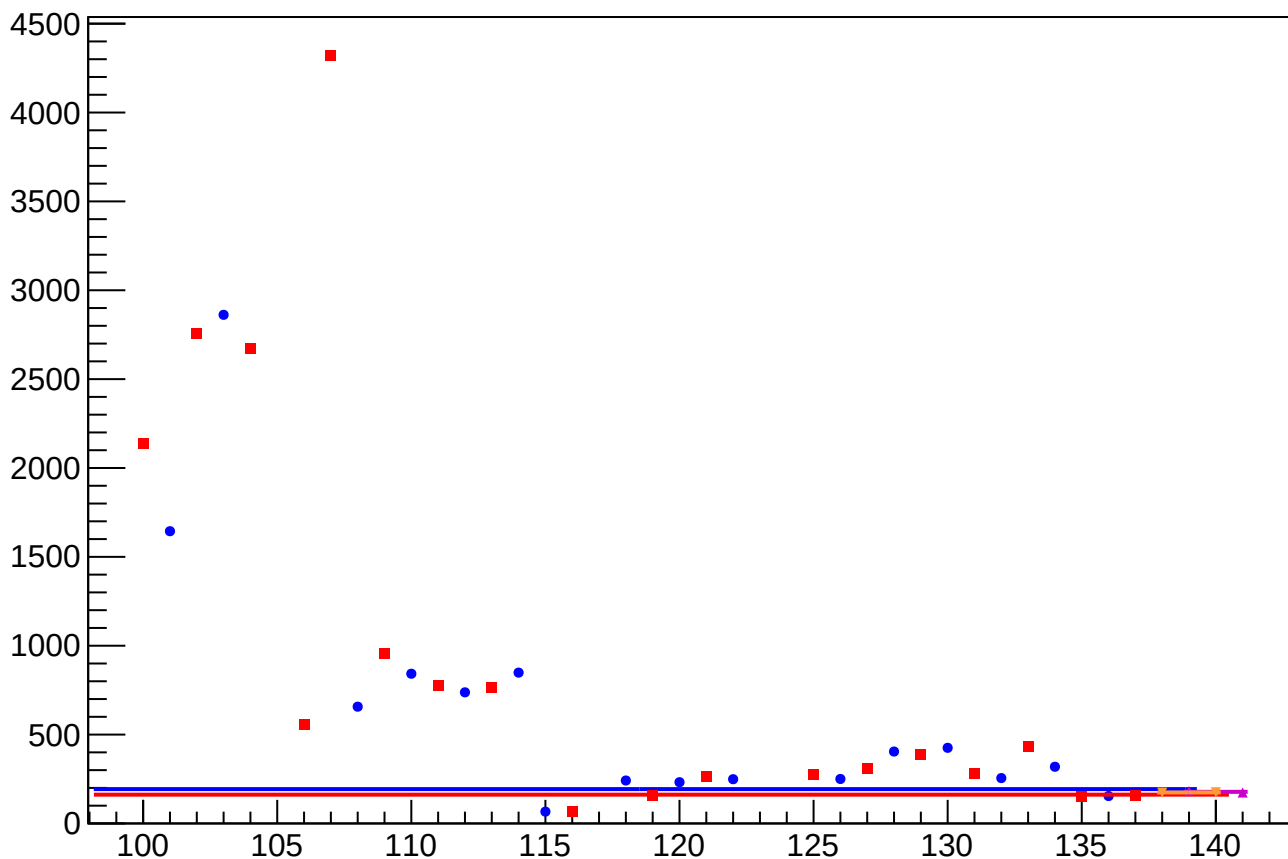
Left In: -97.446+/-135.777 χ^2/NDF : 3.8/1

+ sign -41.828+/-76.790 χ^2/NDF : 14.3/17

All: -66.994+/-52.795 χ^2/NDF : 33.2/37

- sign -89.553+/-72.705 χ^2/NDF : 18.7/19

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

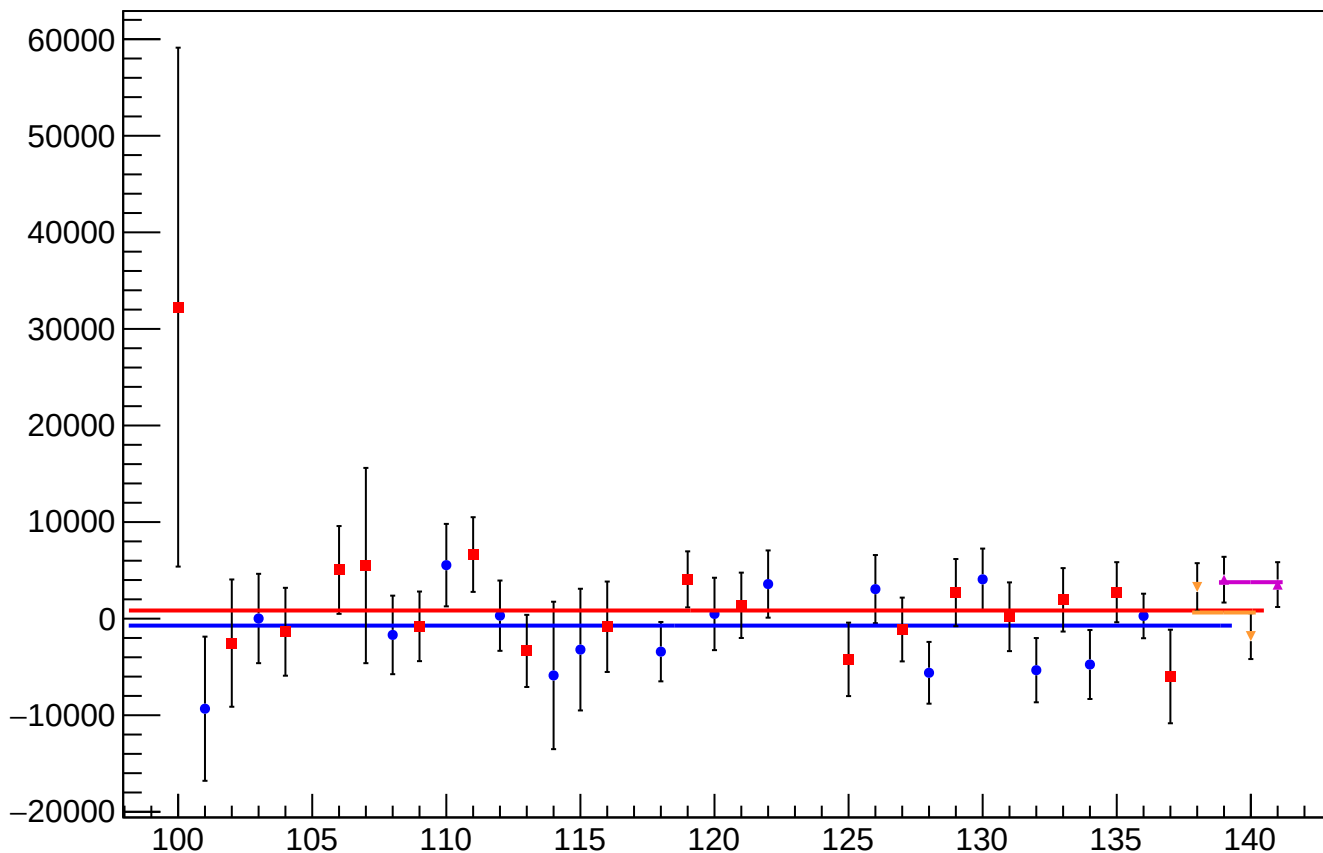
Left In: 177.900+/-0.096 χ^2/NDF : 1781.2/1

+ sign 187.460+/-0.054 χ^2/NDF : 5643373.4/17

All: 176.481+/-0.037 χ^2/NDF : 12812521.5/37

- sign 166.639+/-0.051 χ^2/NDF : 7091617.3/19

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565 ± 916.228 χ^2/NDF : 15.8/15

Left Out: 636.311 ± 1710.890 χ^2/NDF : 2.2/1

Right Out: 844.810 ± 928.703 χ^2/NDF : 12.9/17

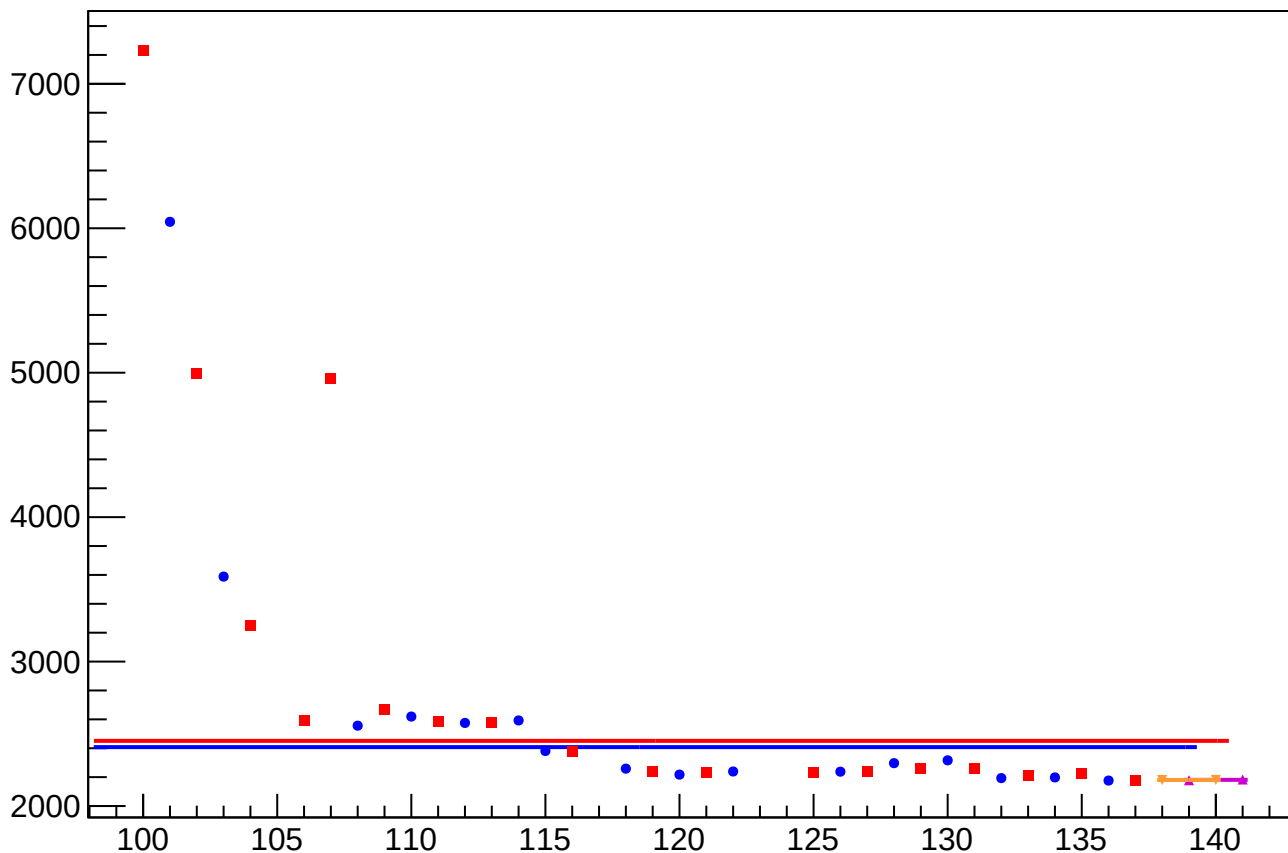
Left In: 3776.186 ± 1657.478 χ^2/NDF : 0.0/1

+ sign -417.378 ± 807.700 χ^2/NDF : 18.5/17

All: 560.897 ± 572.009 χ^2/NDF : 36.8/37

- sign 1545.218 ± 810.191 χ^2/NDF : 15.3/19

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF : 676891.3/15

Left Out: 2180.131+/-1.210 χ^2/NDF : 0.0/1

Right Out: 2451.189+/-0.657 χ^2/NDF : 633600.1/17

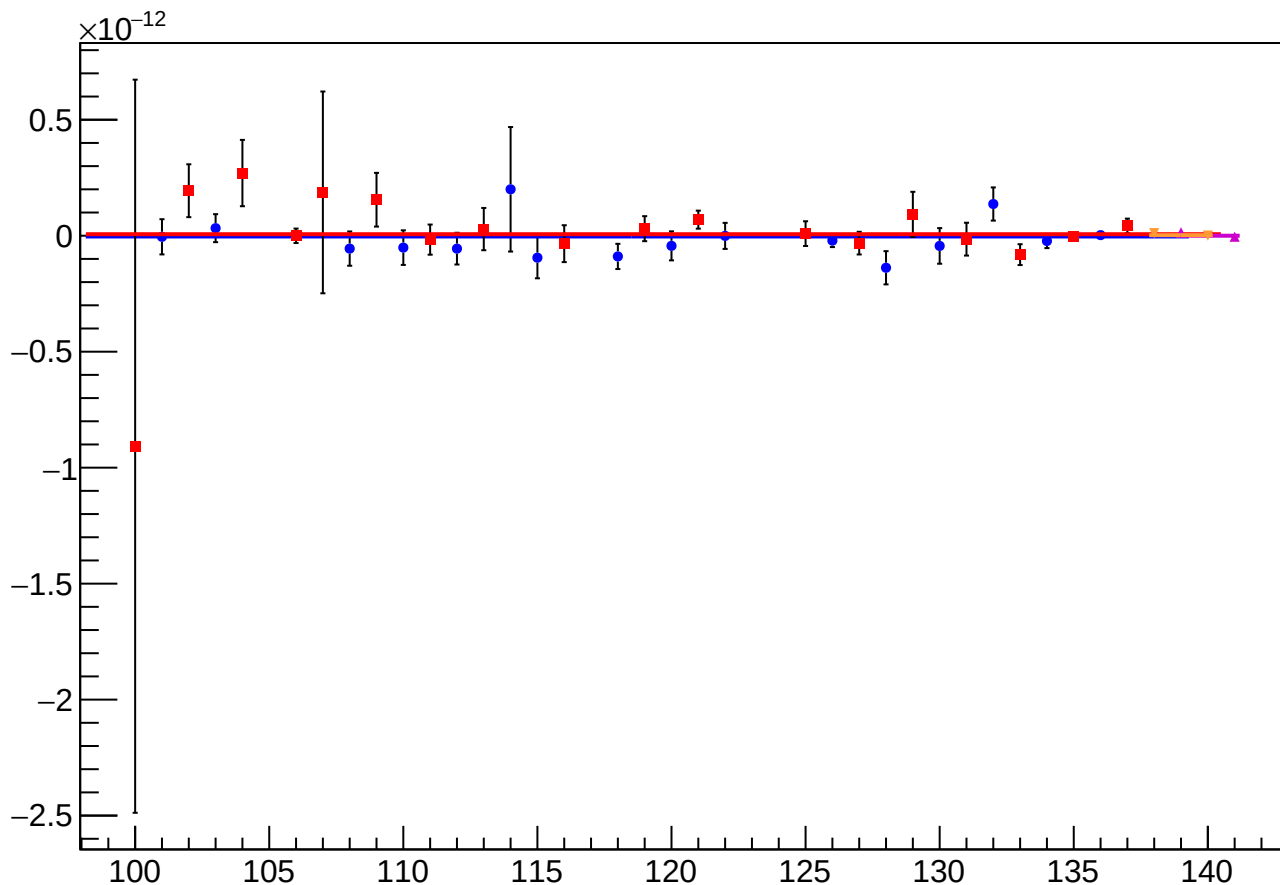
Left In: 2181.211+/-1.172 χ^2/NDF : 5.0/1

+ sign 2357.055+/-0.571 χ^2/NDF : 704412.4/17

All: 2371.823+/-0.404 χ^2/NDF : 1379743.0/37

- sign 2386.682+/-0.573 χ^2/NDF : 673989.3/19

asym_us_dd_at1lr_dd_avg_reg_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: 0.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/17

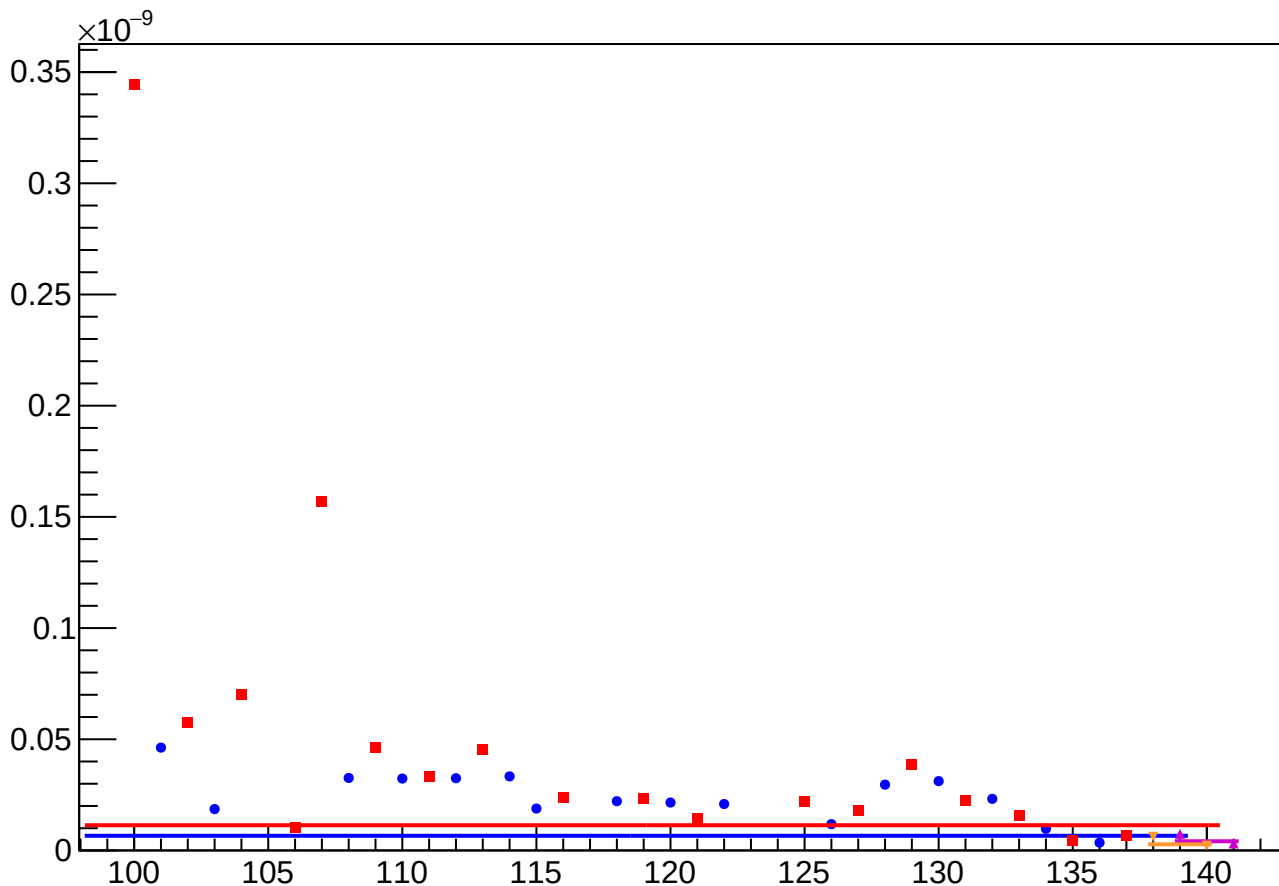
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.2/19

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

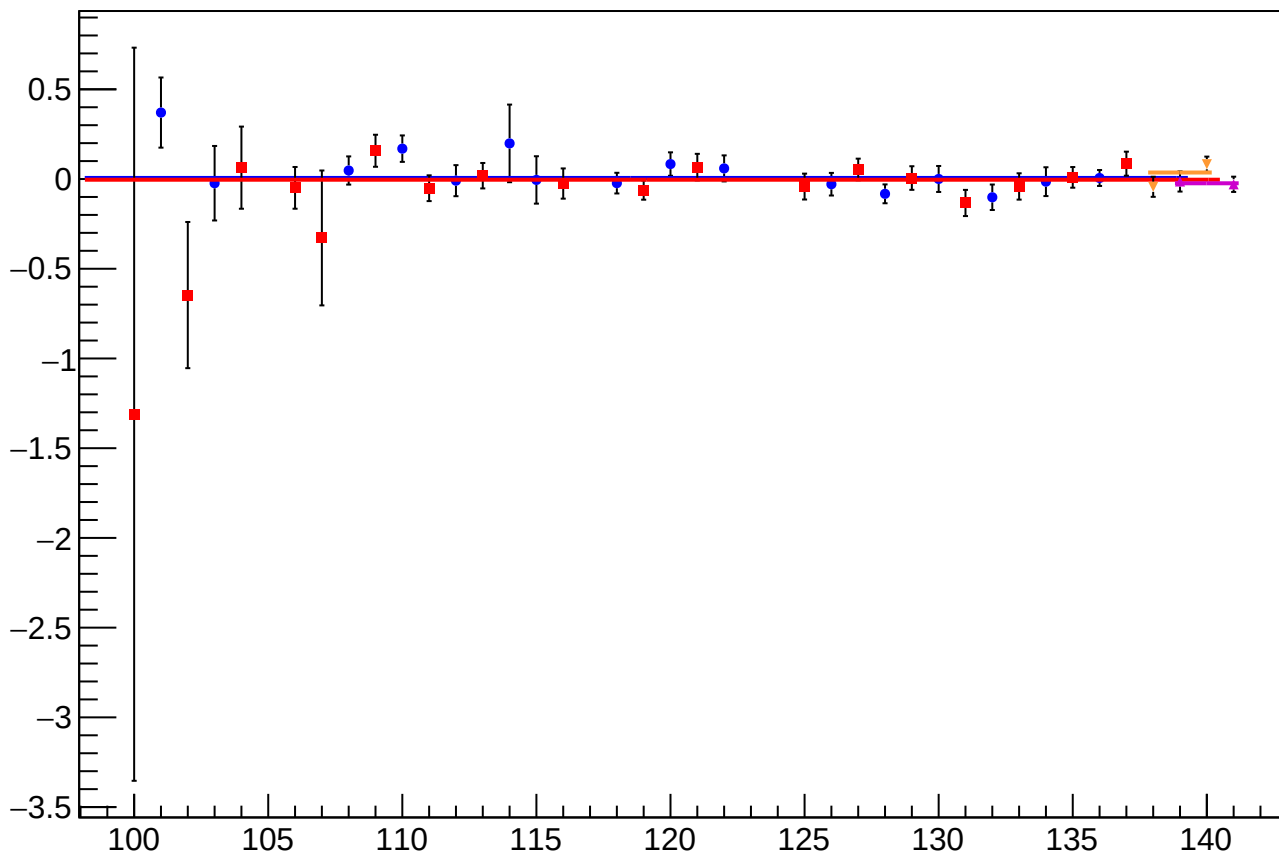
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 200514.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3677191.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7660600.8/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3715048.4/19

asym_us_dd_at1lr_dd_avg_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

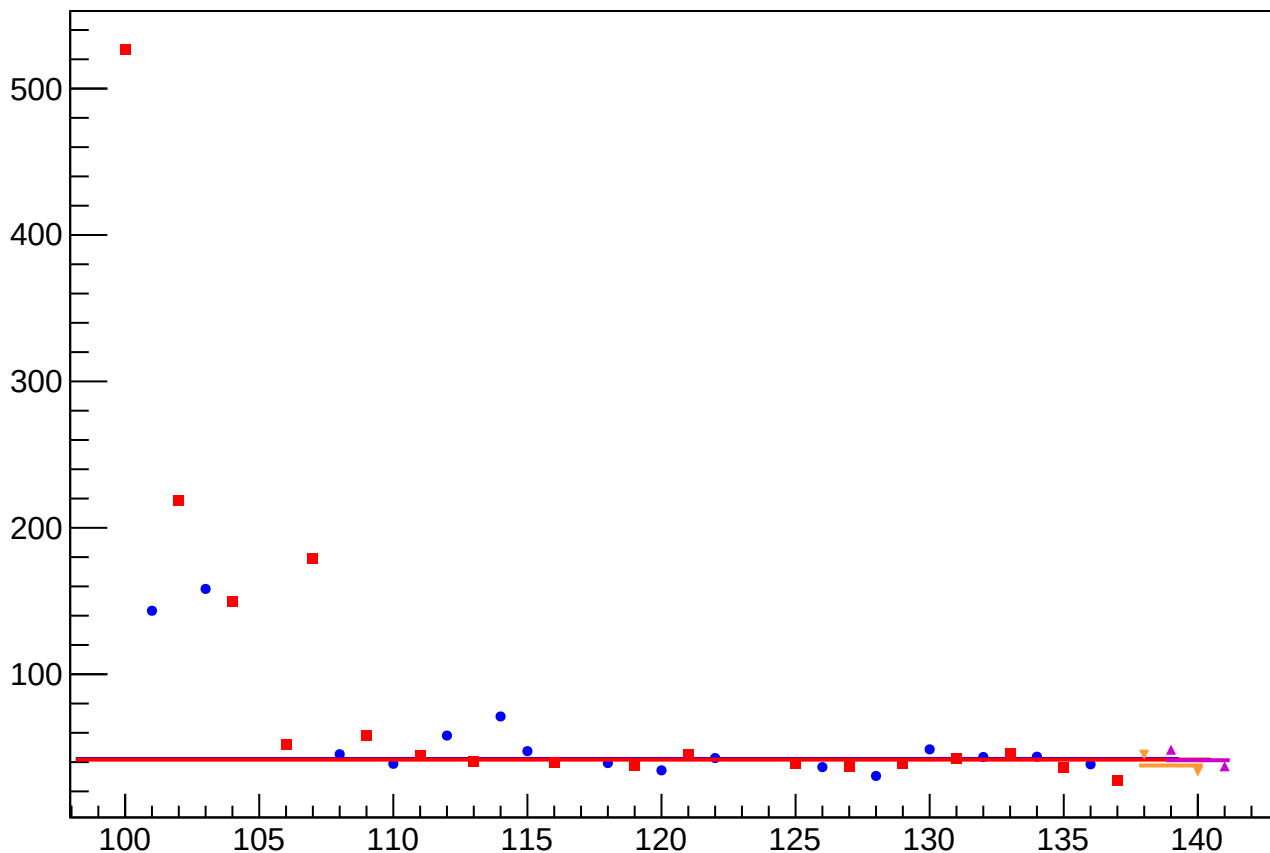
Left In: -0.024 ± 0.034 χ^2/NDF : 0.1/1

+ sign 0.013 ± 0.016 χ^2/NDF : 21.0/17

All: 0.002 ± 0.011 χ^2/NDF : 38.5/37

- sign -0.008 ± 0.016 χ^2/NDF : 16.6/19

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF : 1454378.8/15

Left Out: 37.713+/-0.024 χ^2/NDF : 53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF : 1441204.7/17

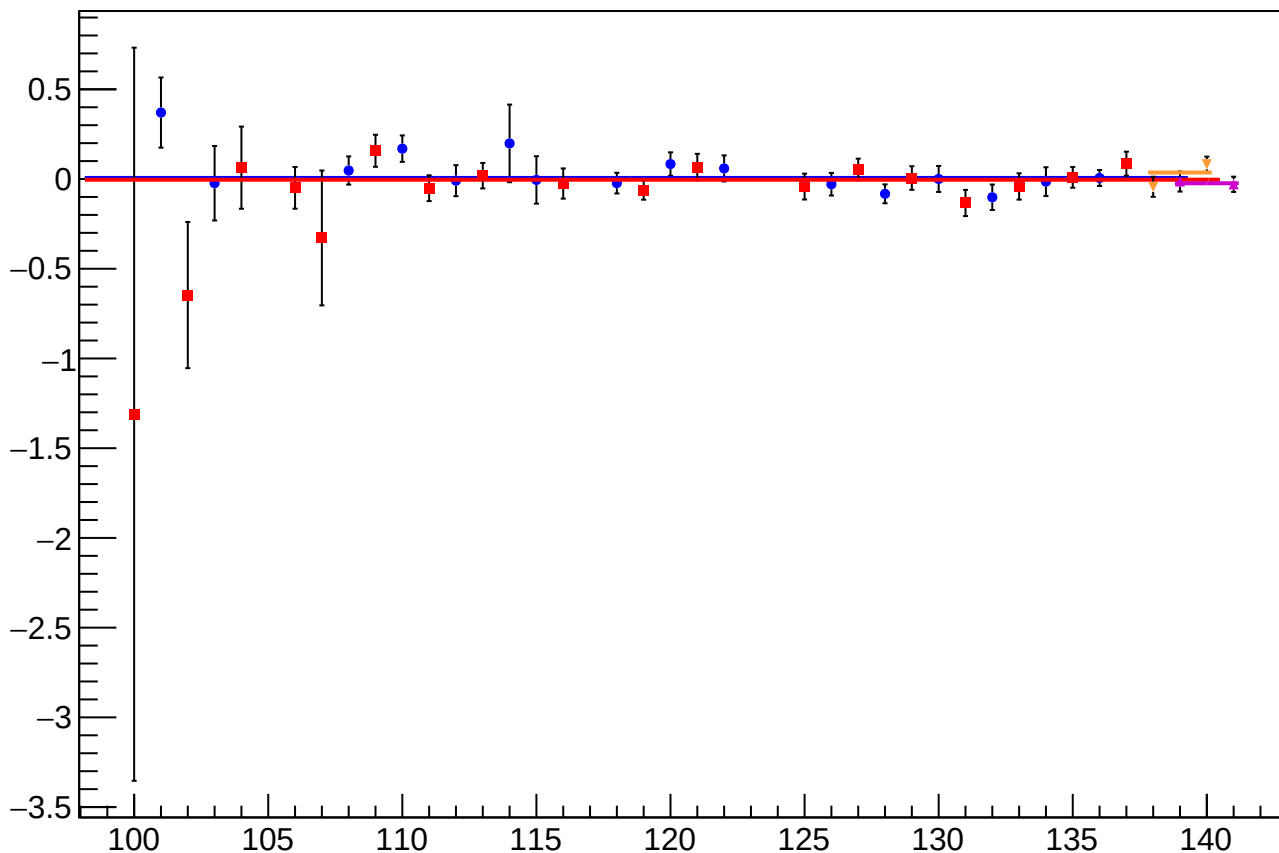
Left In: 41.280+/-0.024 χ^2/NDF : 51877.6/1

+ sign 41.163+/-0.011 χ^2/NDF : 1535143.0/17

All: 41.377+/-0.008 χ^2/NDF : 3029170.0/37

- sign 41.597+/-0.012 χ^2/NDF : 1493309.1/19

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

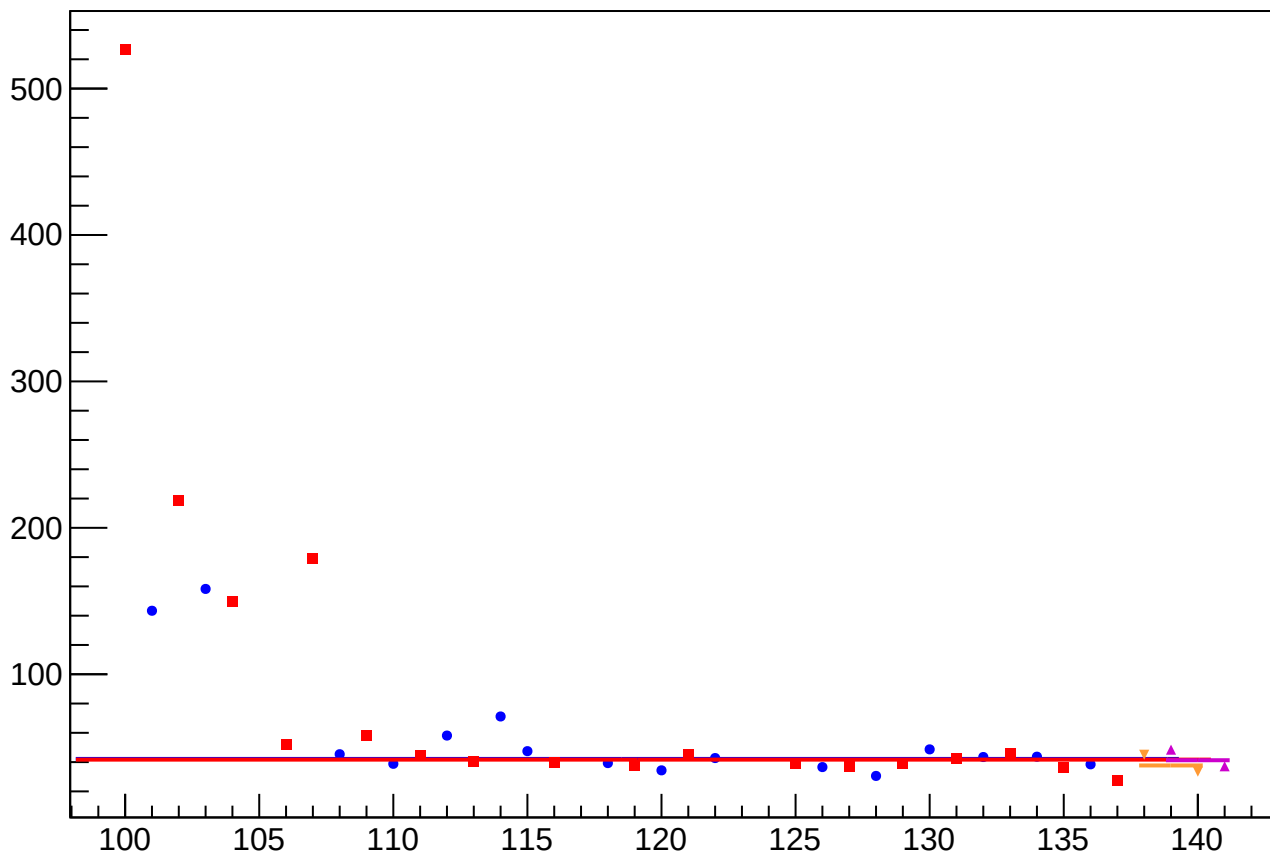
Left In: -0.024 $\pm$ 0.034 χ^2 /NDF: 0.1/1

+ sign 0.013 $\pm$ 0.016 χ^2 /NDF: 21.0/17

All: 0.002 $\pm$ 0.011 χ^2 /NDF: 38.5/37

- sign -0.008 $\pm$ 0.016 χ^2 /NDF: 16.6/19

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

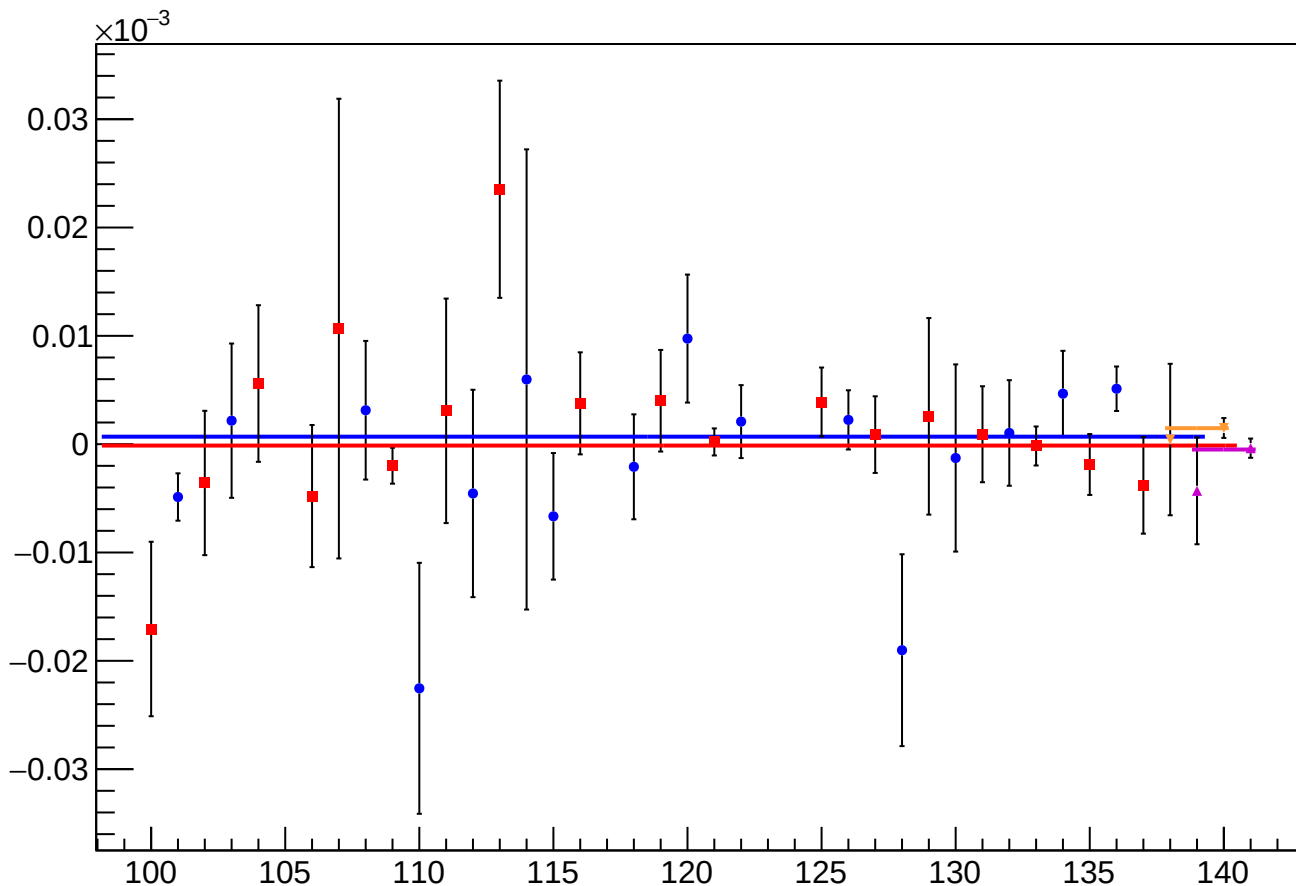
Left In: 41.280+/-0.024 χ^2/NDF : 51877.6/1

+ sign 41.163+/-0.011 χ^2/NDF : 1535143.0/17

All: 41.377+/-0.008 χ^2/NDF : 3029170.0/37

- sign 41.597+/-0.012 χ^2/NDF : 1493309.1/19

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

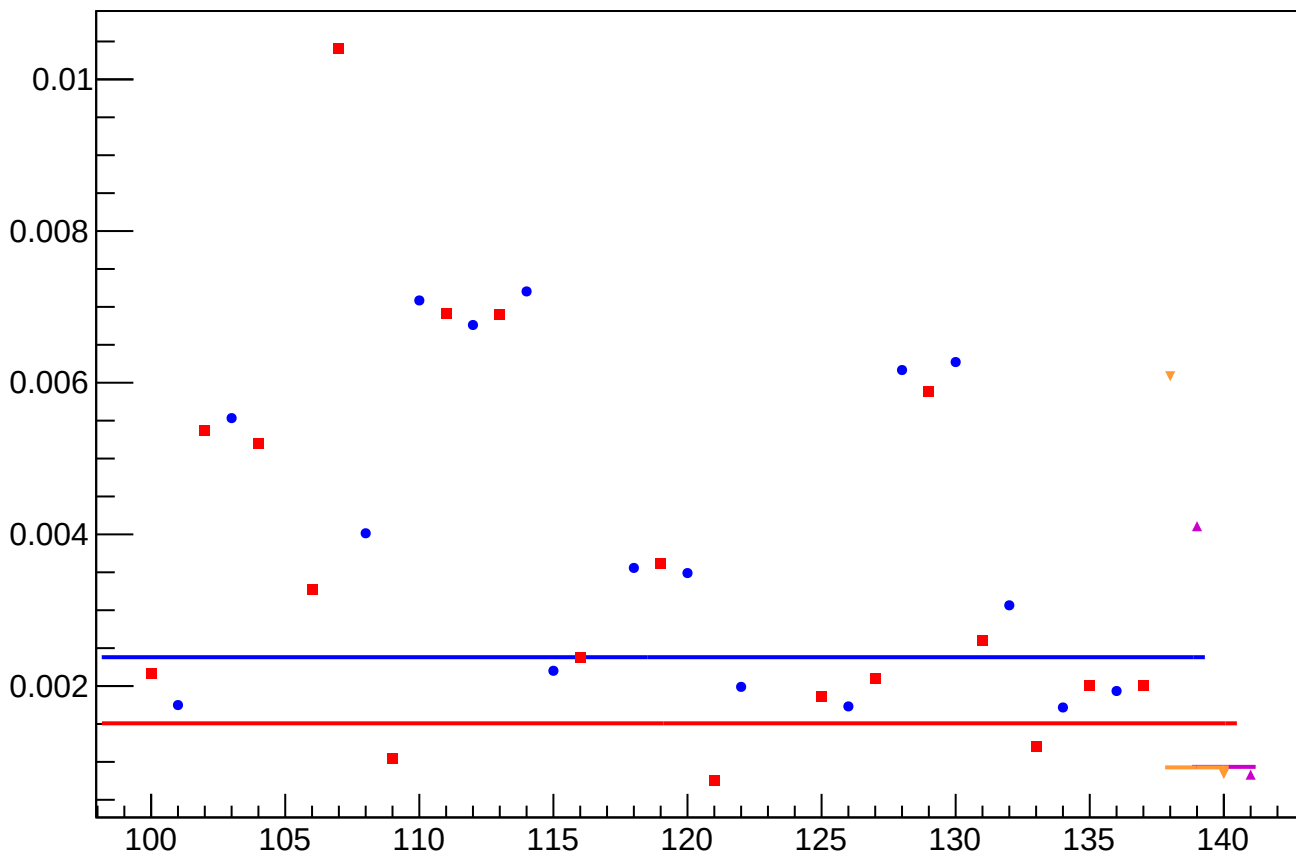
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.5/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/19

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

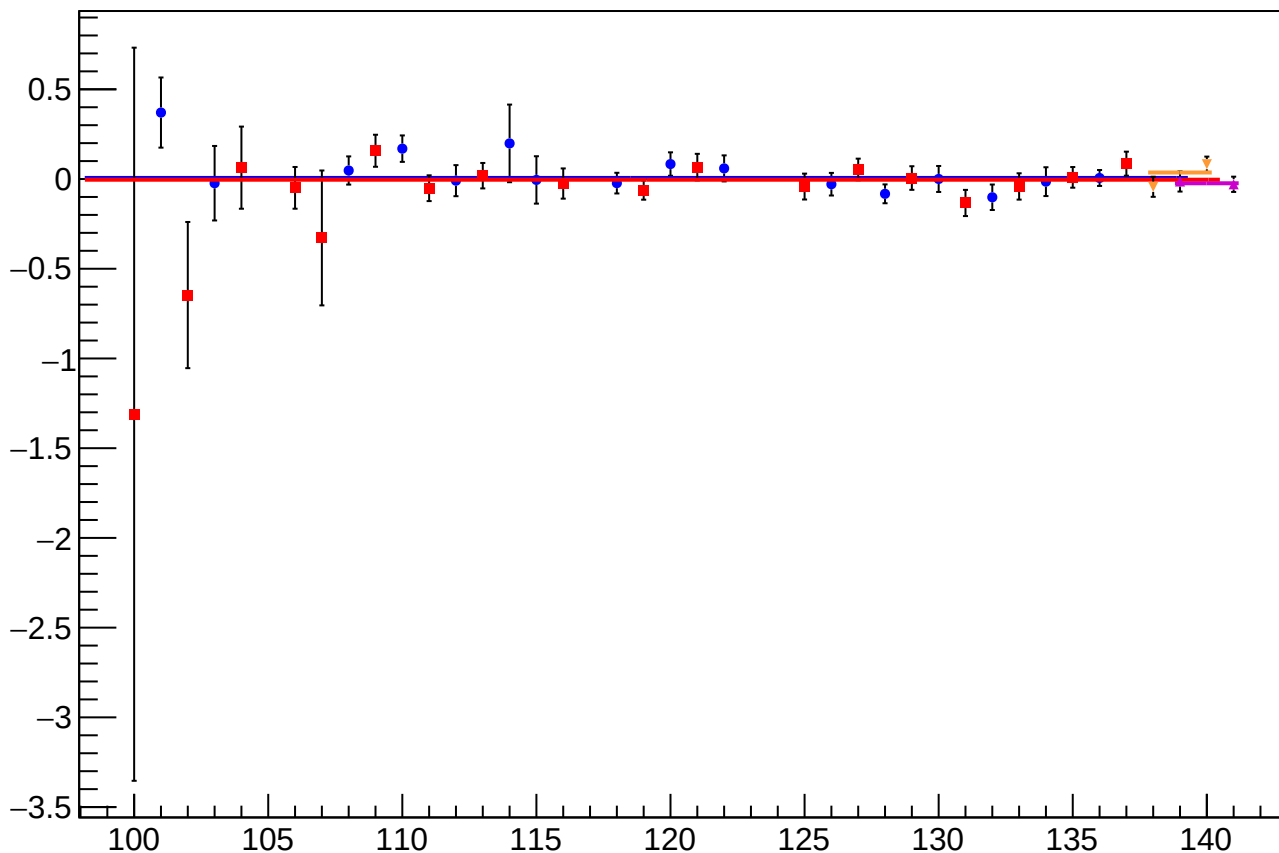
Left In: 0.001+/-0.000 χ^2/NDF : 854659.9/1

+ sign 0.002+/-0.000 χ^2/NDF : 6206702.2/17

All: 0.001+/-0.000 χ^2/NDF : 12806586.3/37

- sign 0.001+/-0.000 χ^2/NDF : 6370445.5/19

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

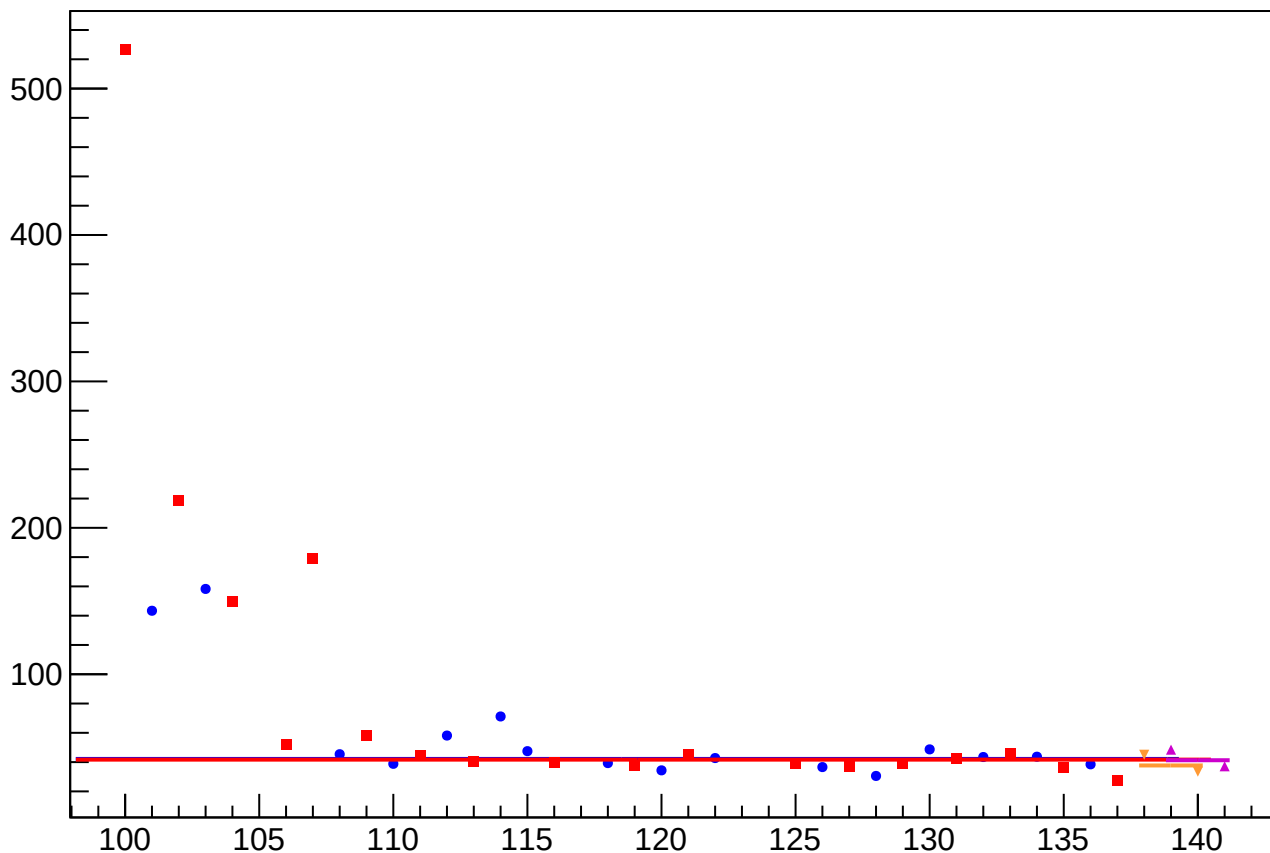
Left In: -0.024 ± 0.034 χ^2/NDF : 0.1/1

+ sign 0.013 ± 0.016 χ^2/NDF : 21.0/17

All: 0.002 ± 0.011 χ^2/NDF : 38.5/37

- sign -0.008 ± 0.016 χ^2/NDF : 16.6/19

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

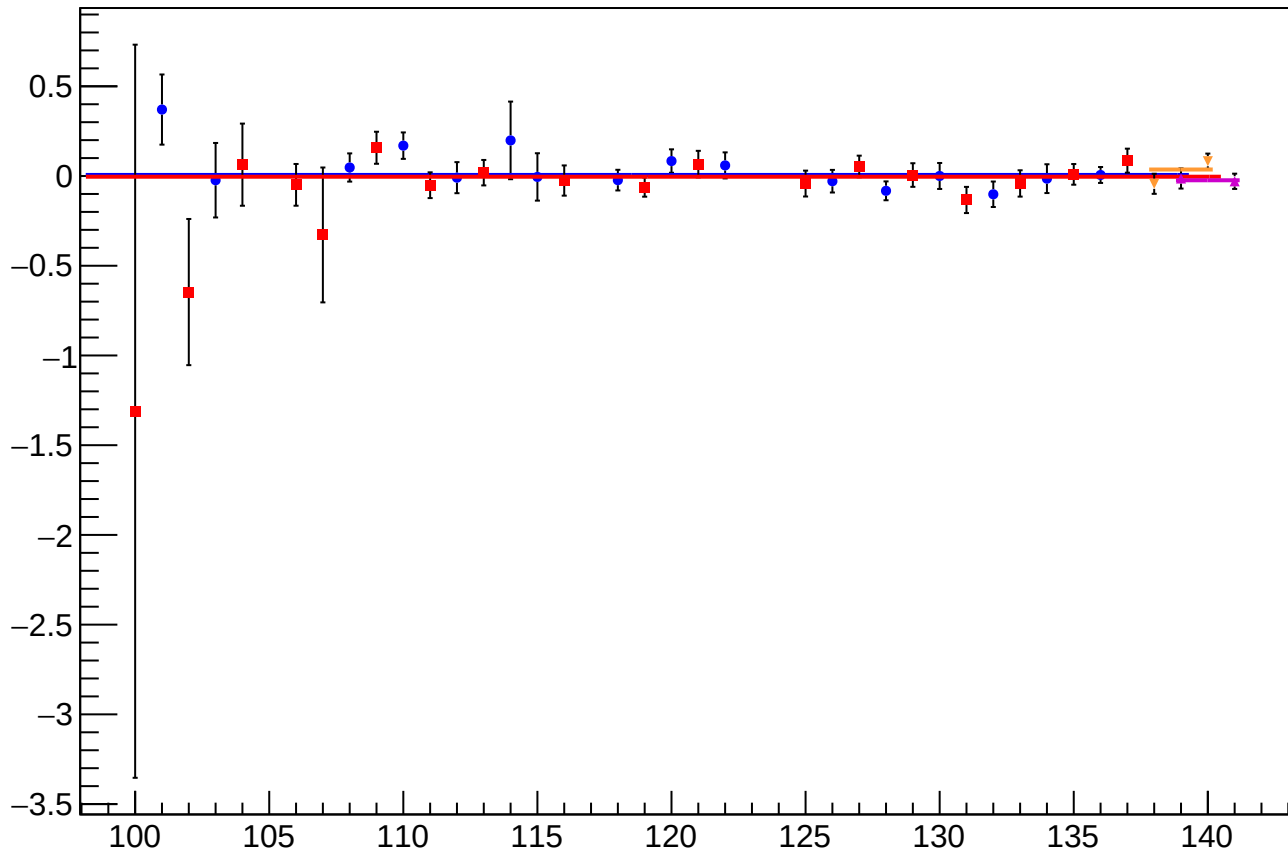
Left In: 41.280+/-0.024 χ^2/NDF : 51884.0/1

+ sign 41.161+/-0.011 χ^2/NDF : 1535316.2/17

All: 41.376+/-0.008 χ^2/NDF : 3029338.1/37

- sign 41.597+/-0.012 χ^2/NDF : 1493296.3/19

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

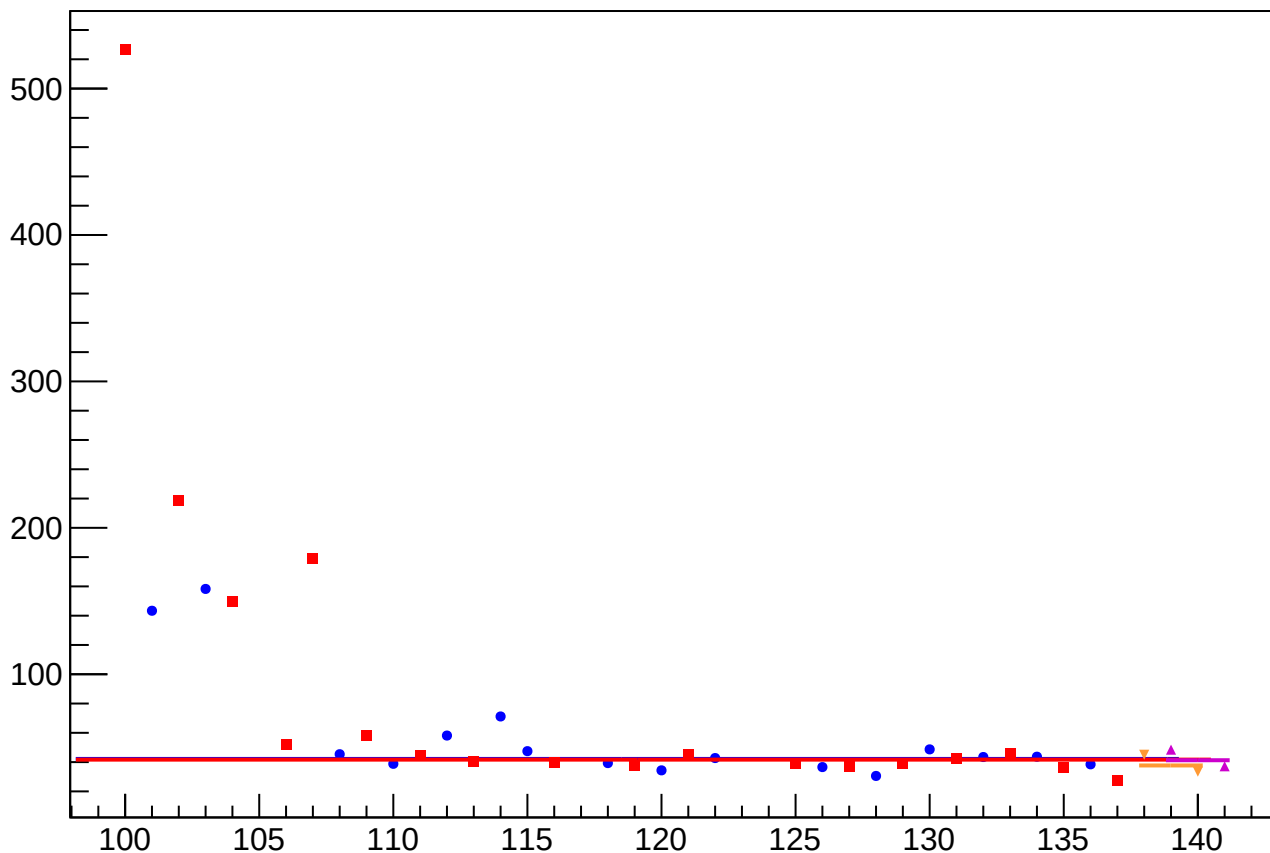
Left In: -0.024 ± 0.034 χ^2/NDF : 0.1/1

+ sign 0.013 ± 0.016 χ^2/NDF : 21.0/17

All: 0.002 ± 0.011 χ^2/NDF : 38.5/37

- sign -0.008 ± 0.016 χ^2/NDF : 16.6/19

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

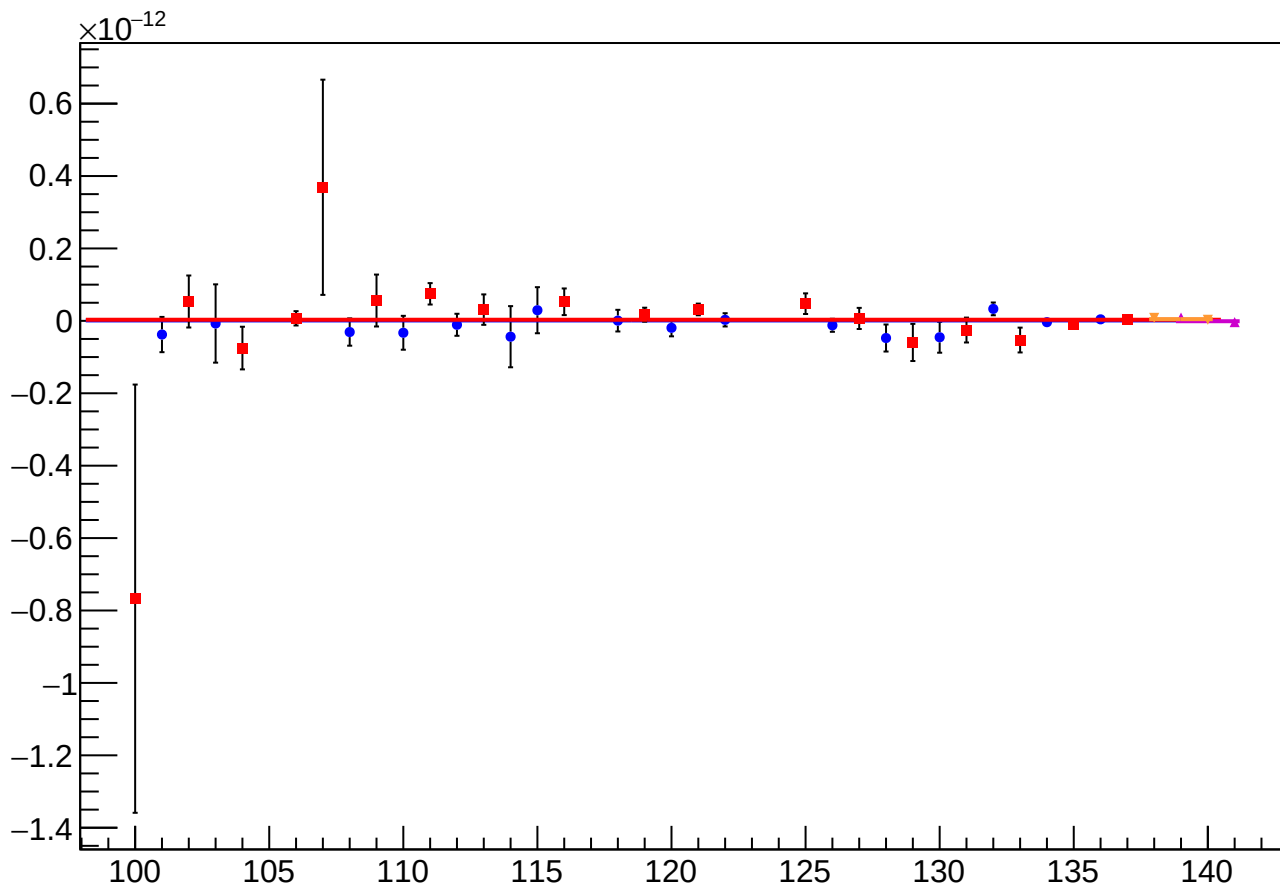
Left In: 41.280+/-0.024 χ^2/NDF : 51884.0/1

+ sign 41.161+/-0.011 χ^2/NDF : 1535316.2/17

All: 41.376+/-0.008 χ^2/NDF : 3029338.1/37

- sign 41.597+/-0.012 χ^2/NDF : 1493296.3/19

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/17

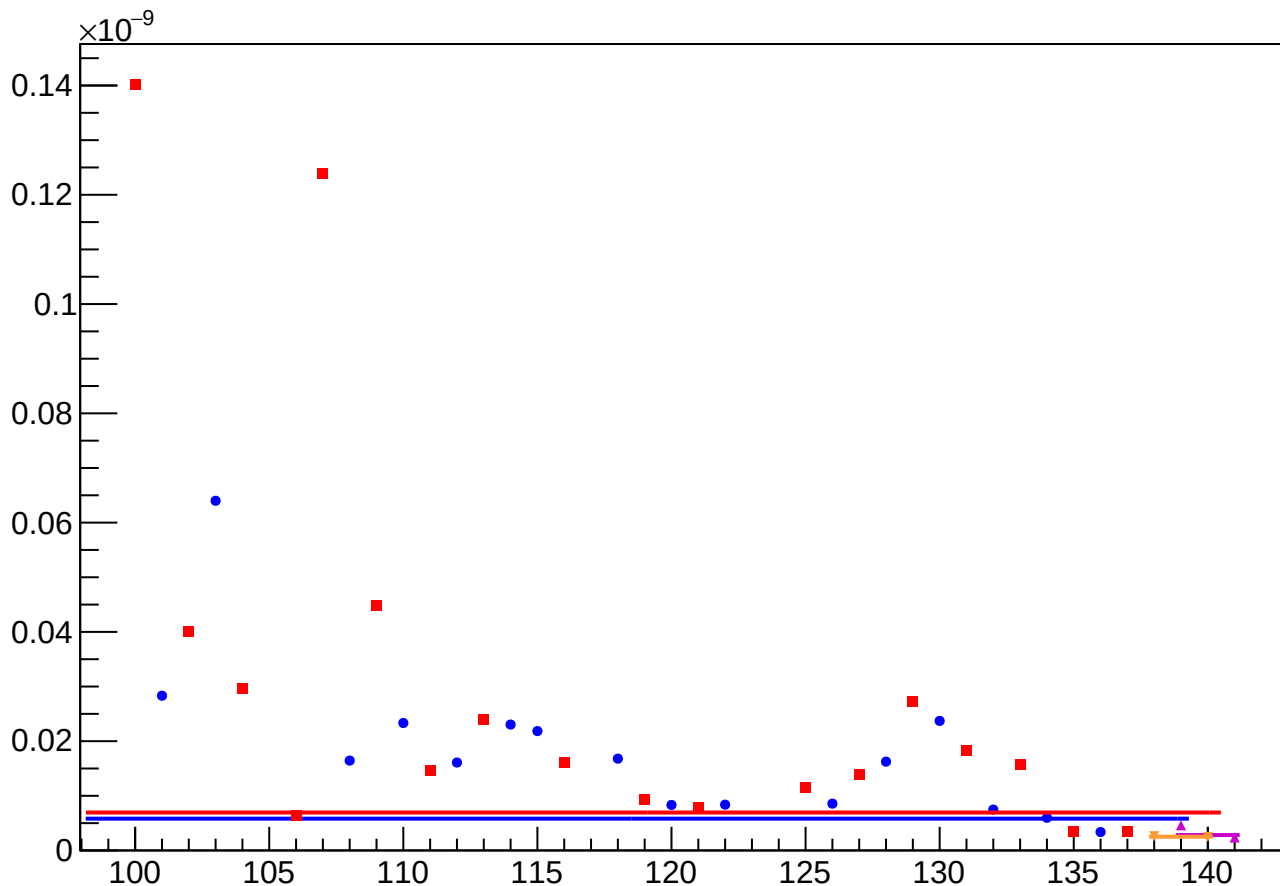
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.9/19

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

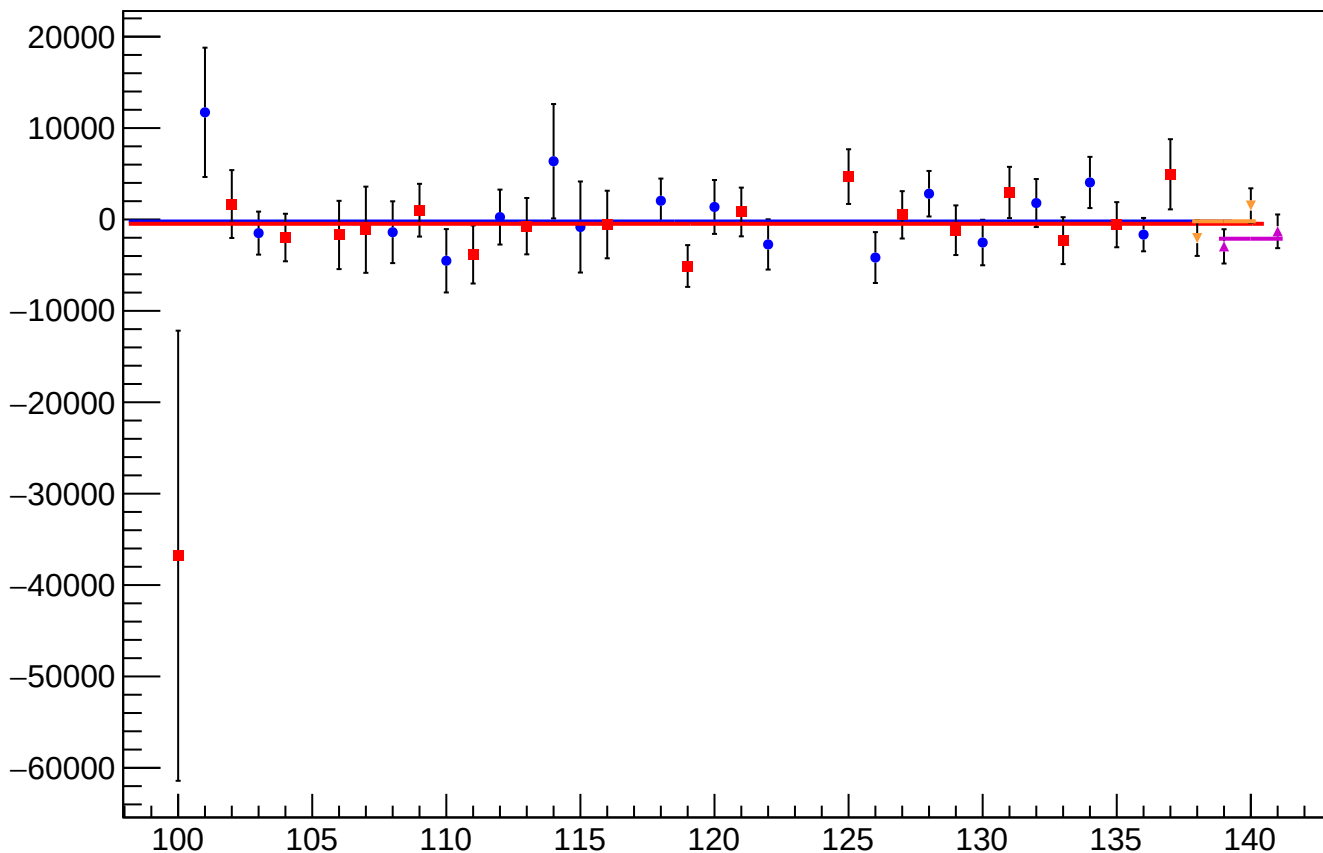
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:163461.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4257256.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9310305.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5016532.5/19

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980 ± 709.150 χ^2/NDF : 15.8/15

Left Out: -195.404 ± 1355.303 χ^2/NDF : 1.7/1

Right Out: -472.410 ± 711.475 χ^2/NDF : 15.9/17

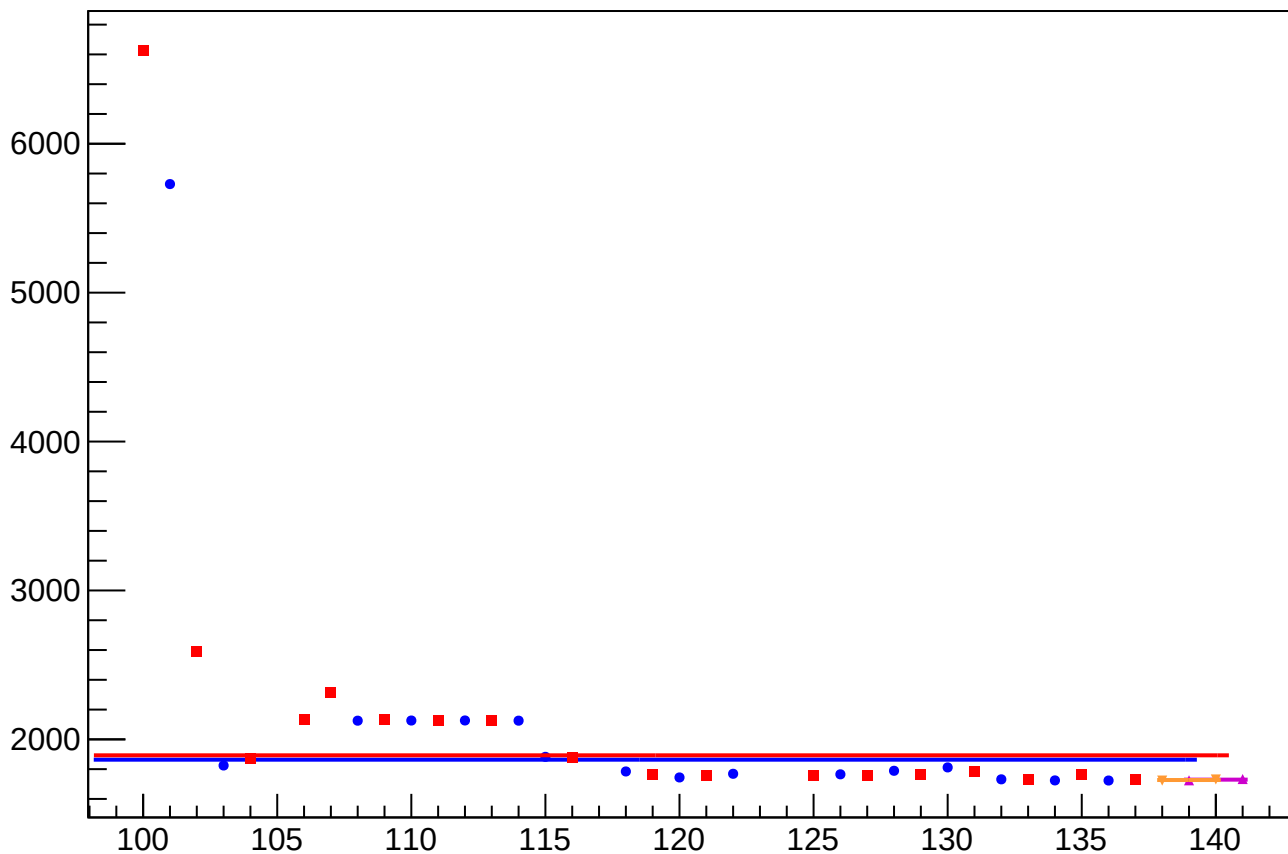
Left In: -2106.078 ± 1314.234 χ^2/NDF : 0.4/1

+ sign -217.053 ± 628.335 χ^2/NDF : 17.6/17

All: -531.192 ± 443.356 χ^2/NDF : 35.5/37

- sign -842.677 ± 625.675 χ^2/NDF : 17.5/19

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF : 674665.6/15

Left Out: 1727.011+/-0.958 χ^2/NDF : 15.1/1

Right Out: 1892.866+/-0.503 χ^2/NDF : 251512.9/17

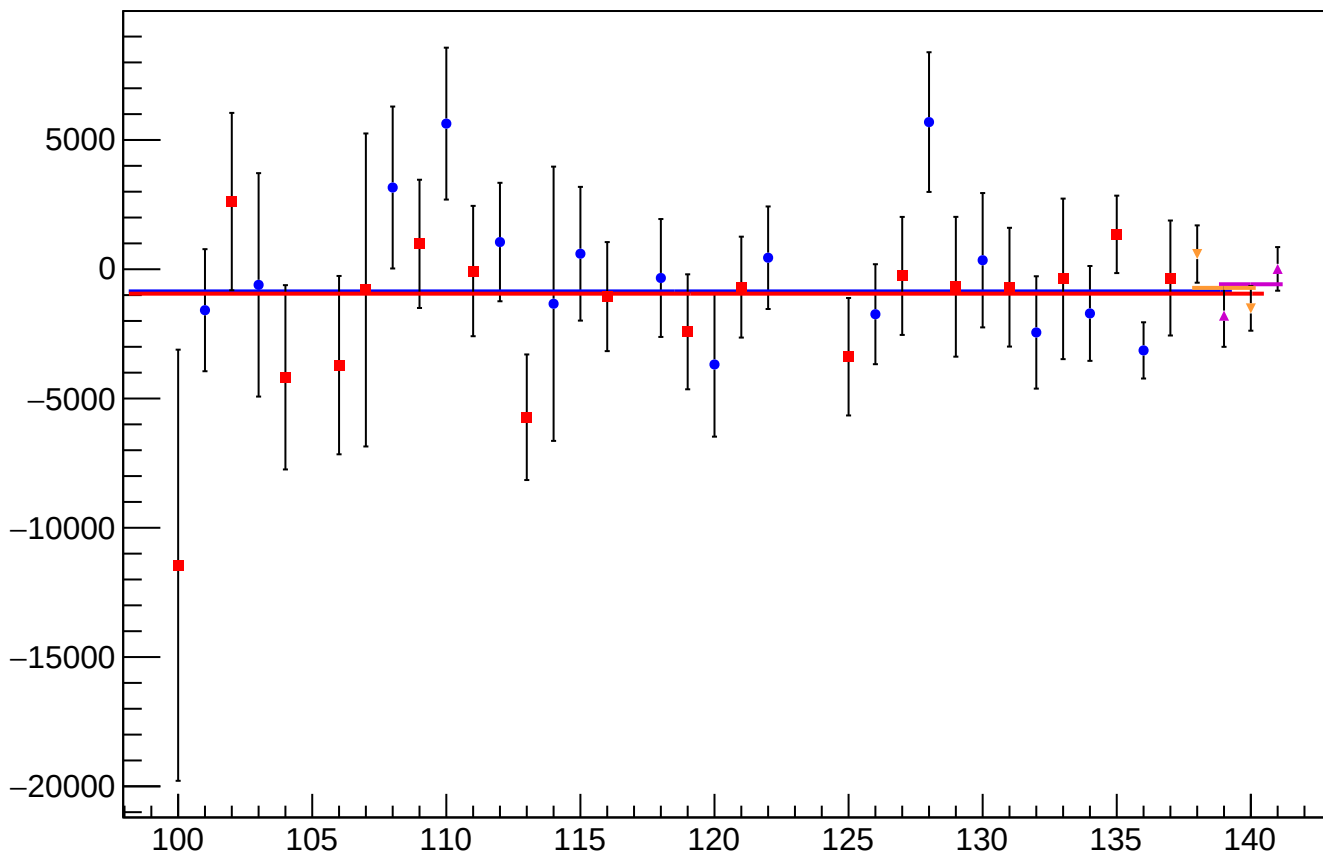
Left In: 1729.507+/-0.929 χ^2/NDF : 21.2/1

+ sign 1834.227+/-0.444 χ^2/NDF : 690623.7/17

All: 1845.080+/-0.313 χ^2/NDF : 967243.4/37

- sign 1855.841+/-0.442 χ^2/NDF : 275431.4/19

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

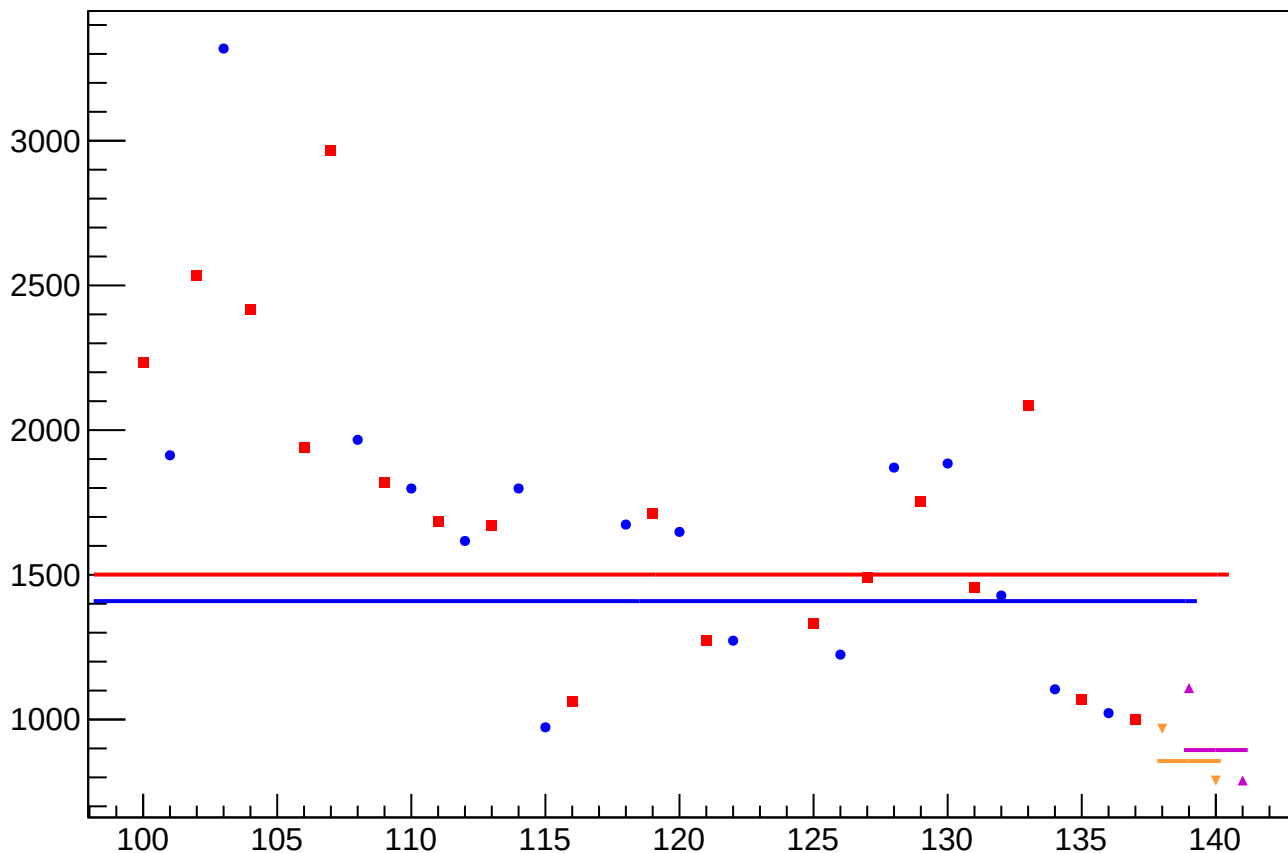
Left In: -580.671+/-691.364 χ^2/NDF : 1.5/1

+ sign -803.287+/-427.835 χ^2/NDF : 22.9/17

All: -798.423+/-308.787 χ^2/NDF : 37.4/37

- sign -793.135+/-446.121 χ^2/NDF : 14.6/19

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

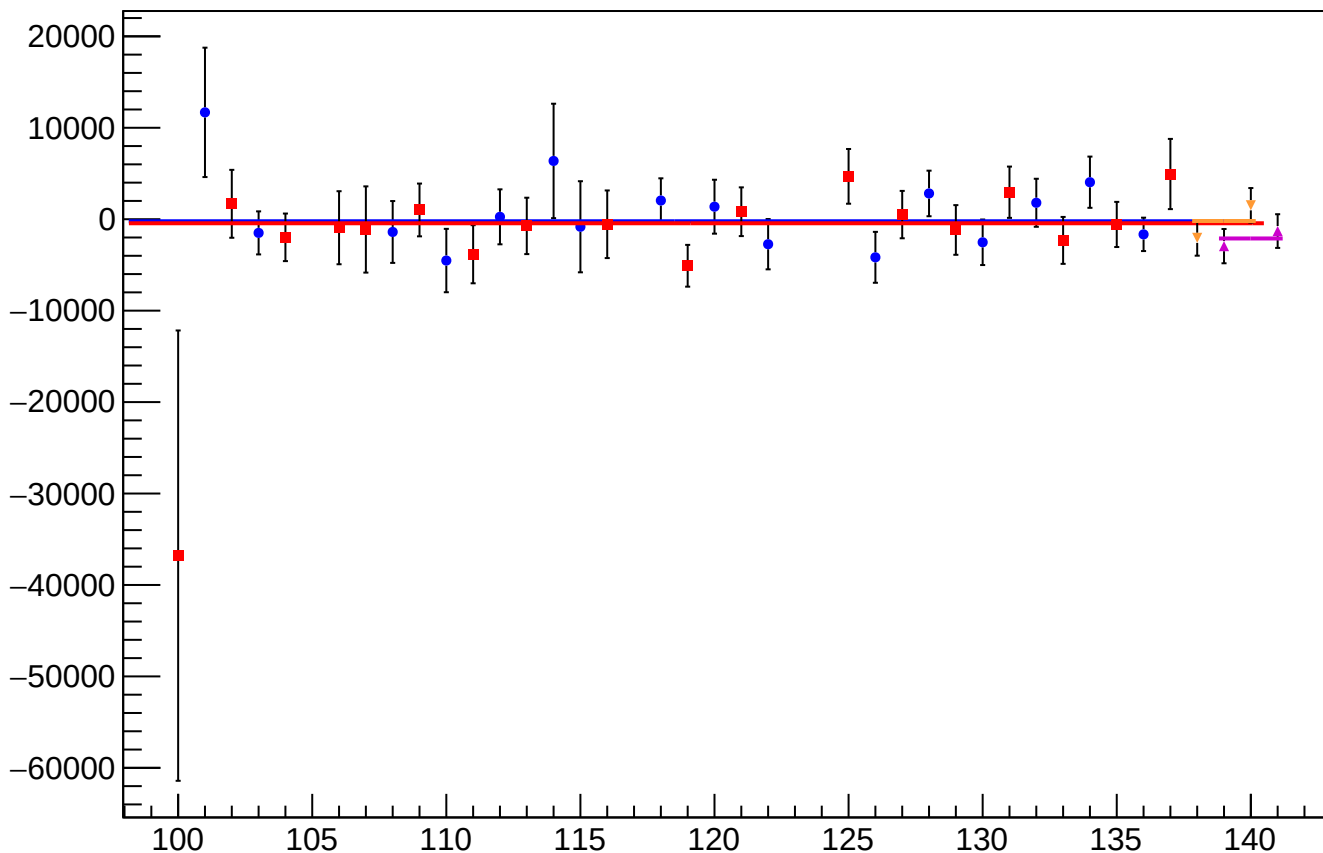
Left In: 894.456+/-0.489 χ^2/NDF : 94174.9/1

+ sign 1191.123+/-0.303 χ^2/NDF : 1997264.3/17

All: 1218.530+/-0.218 χ^2/NDF : 4037147.3/37

- sign 1248.330+/-0.315 χ^2/NDF : 2022751.6/19

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754 $\pm$ 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

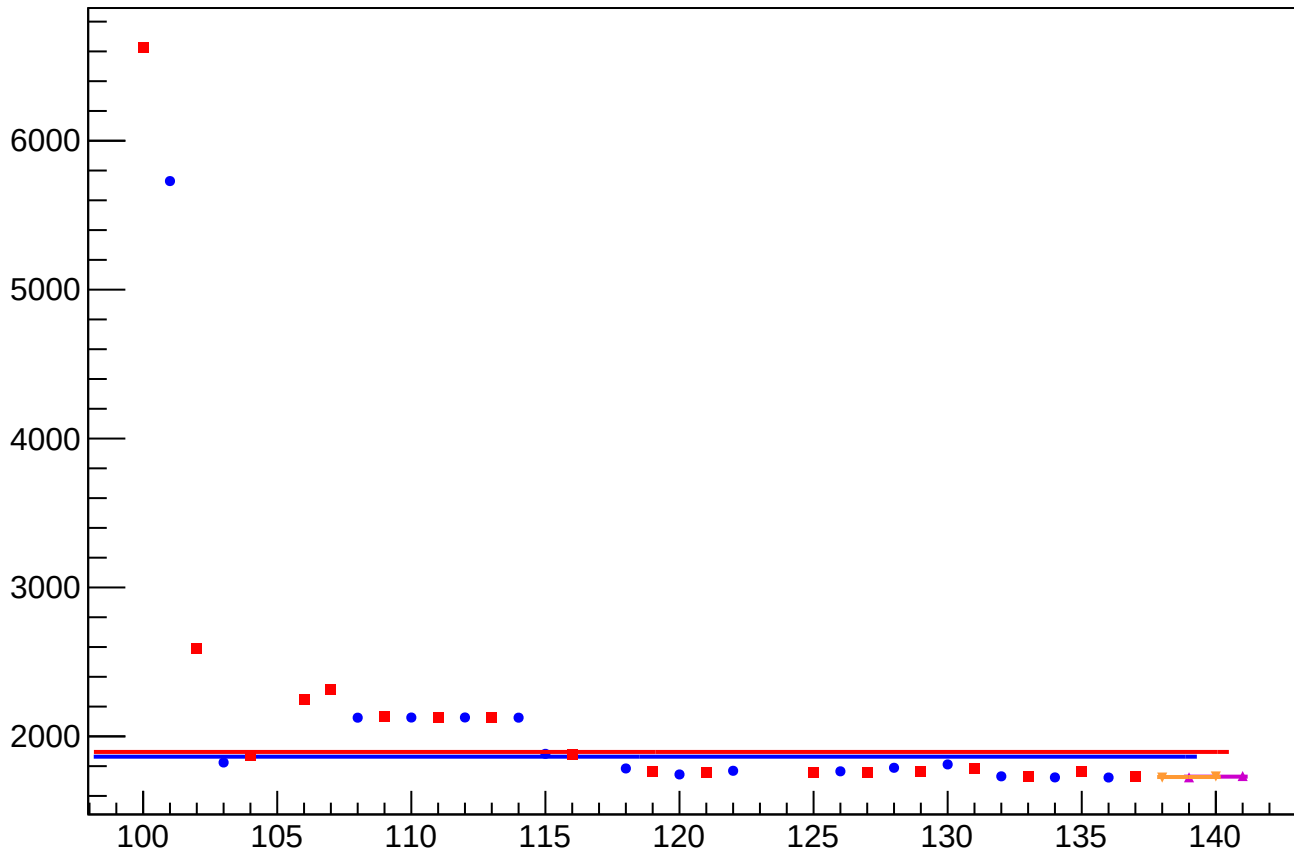
Left In: -2105.997 $\pm$ 1314.234 χ^2 /NDF:0.4/1

+ sign -217.645 $\pm$ 628.335 χ^2 /NDF: 17.5/17

All: -520.202 $\pm$ 443.748 χ^2 /NDF: 35.4/37

- sign -821.261 $\pm$ 626.778 χ^2 /NDF: 17.4/19

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581 $\pm$ 0.501 χ^2 /NDF: 674665.4/15

Left Out: 1727.011 $\pm$ 0.958 χ^2 /NDF:15.1/1

Right Out: 1895.491 $\pm$ 0.504 χ^2 /NDF: 259171.7/17

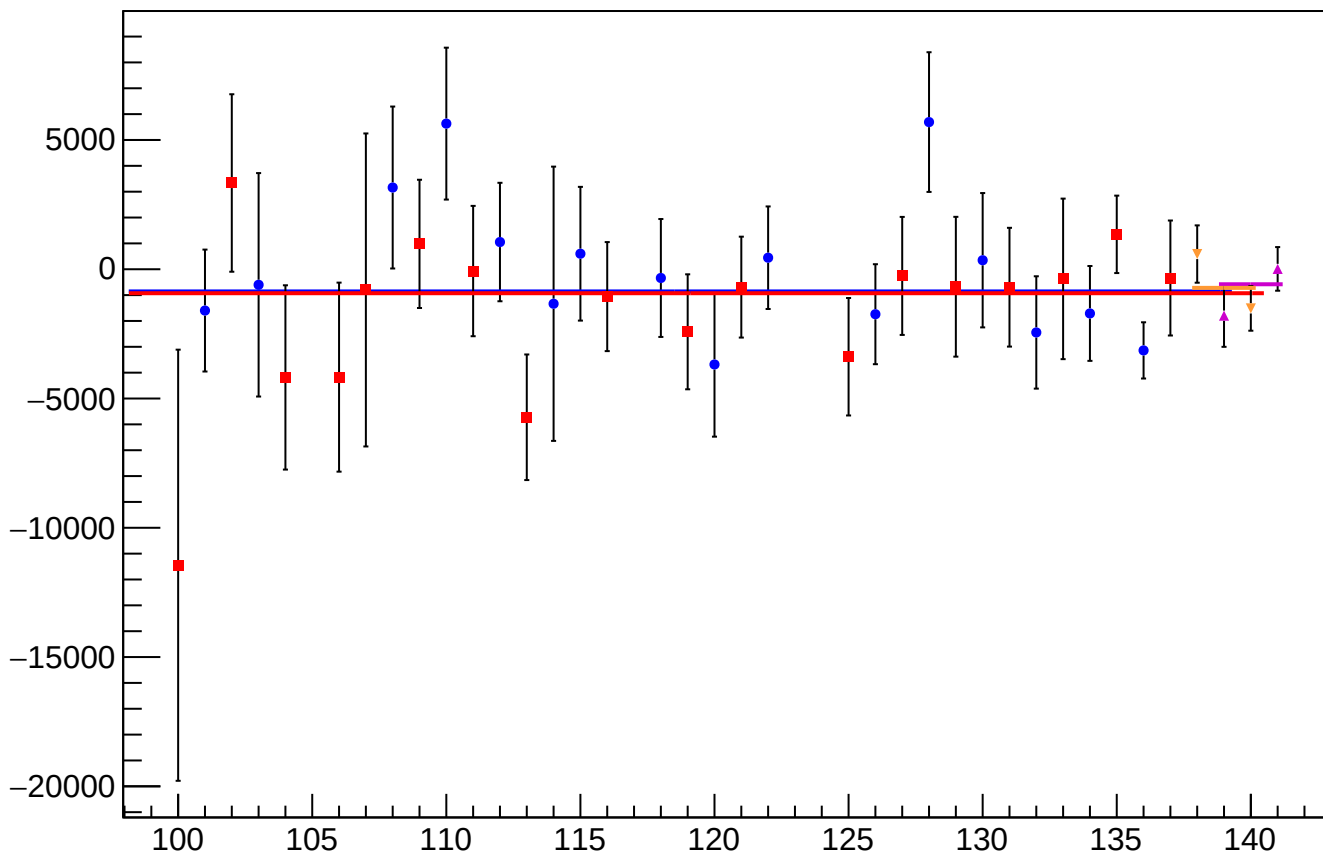
Left In: 1729.507 $\pm$ 0.929 χ^2 /NDF:21.2/1

+ sign 1834.227 $\pm$ 0.444 χ^2 /NDF: 690623.6/17

All: 1846.012 $\pm$ 0.314 χ^2 /NDF: 975866.3/37

- sign 1857.739 $\pm$ 0.443 χ^2 /NDF: 283839.1/19

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

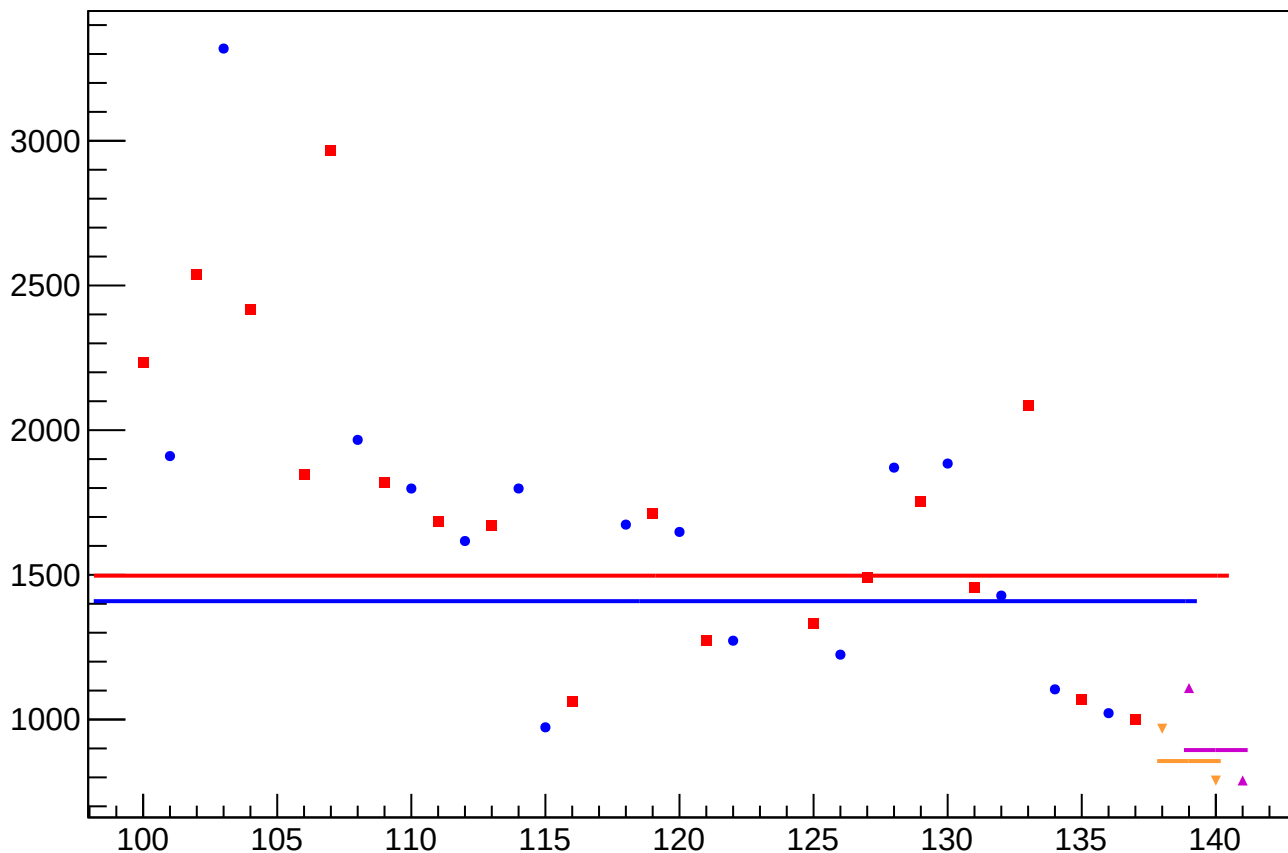
Left In: -580.715+/-691.350 χ^2/NDF : 1.5/1

+ sign -803.822+/-427.816 χ^2/NDF : 22.9/17

All: -793.692+/-308.915 χ^2/NDF : 38.1/37

- sign -782.656+/-446.527 χ^2/NDF : 15.2/19

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

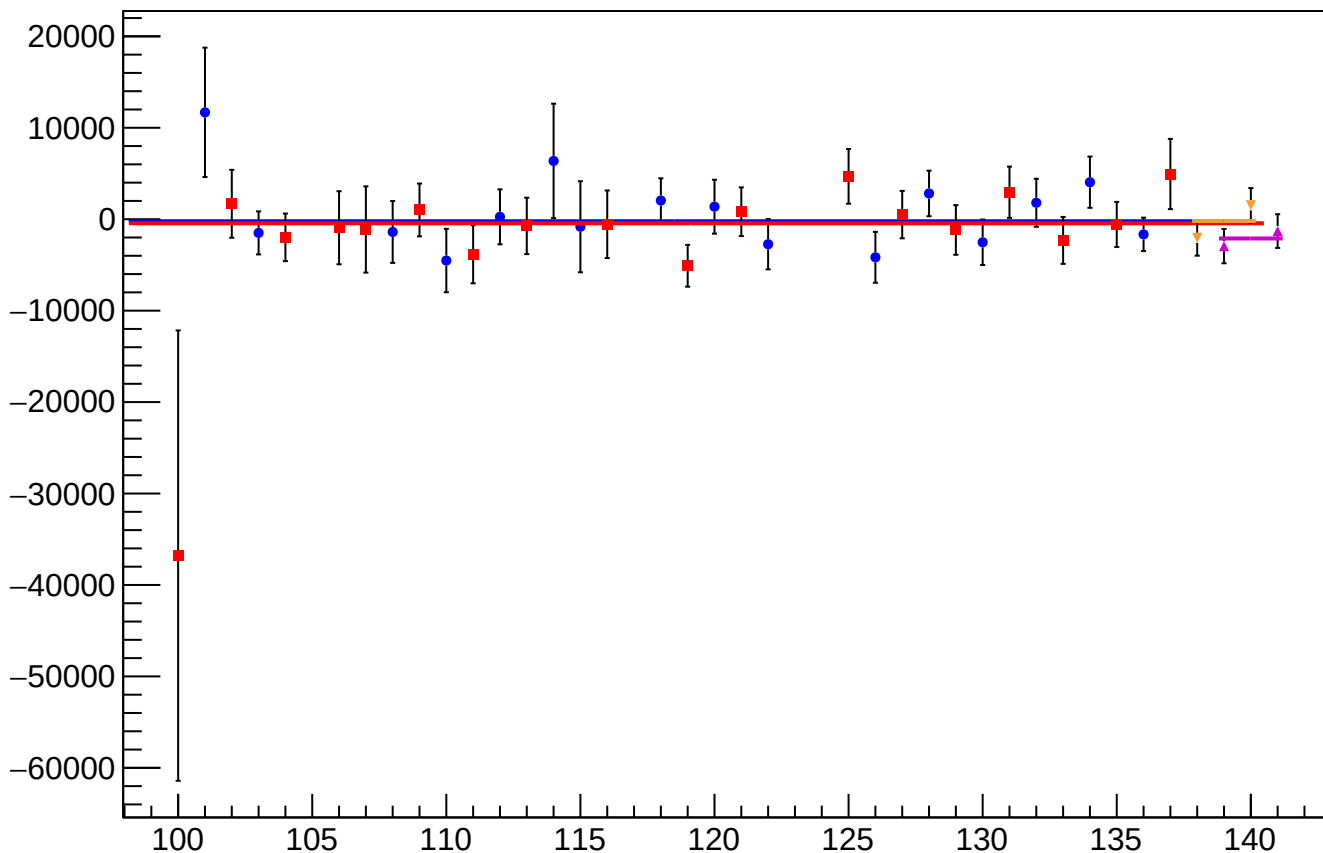
Left In: 894.436+/-0.489 χ^2/NDF : 94180.9/1

+ sign 1191.101+/-0.303 χ^2/NDF : 1996409.3/17

All: 1217.244+/-0.218 χ^2/NDF : 4010261.2/37

- sign 1245.723+/-0.316 χ^2/NDF : 1998247.8/19

eigen_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

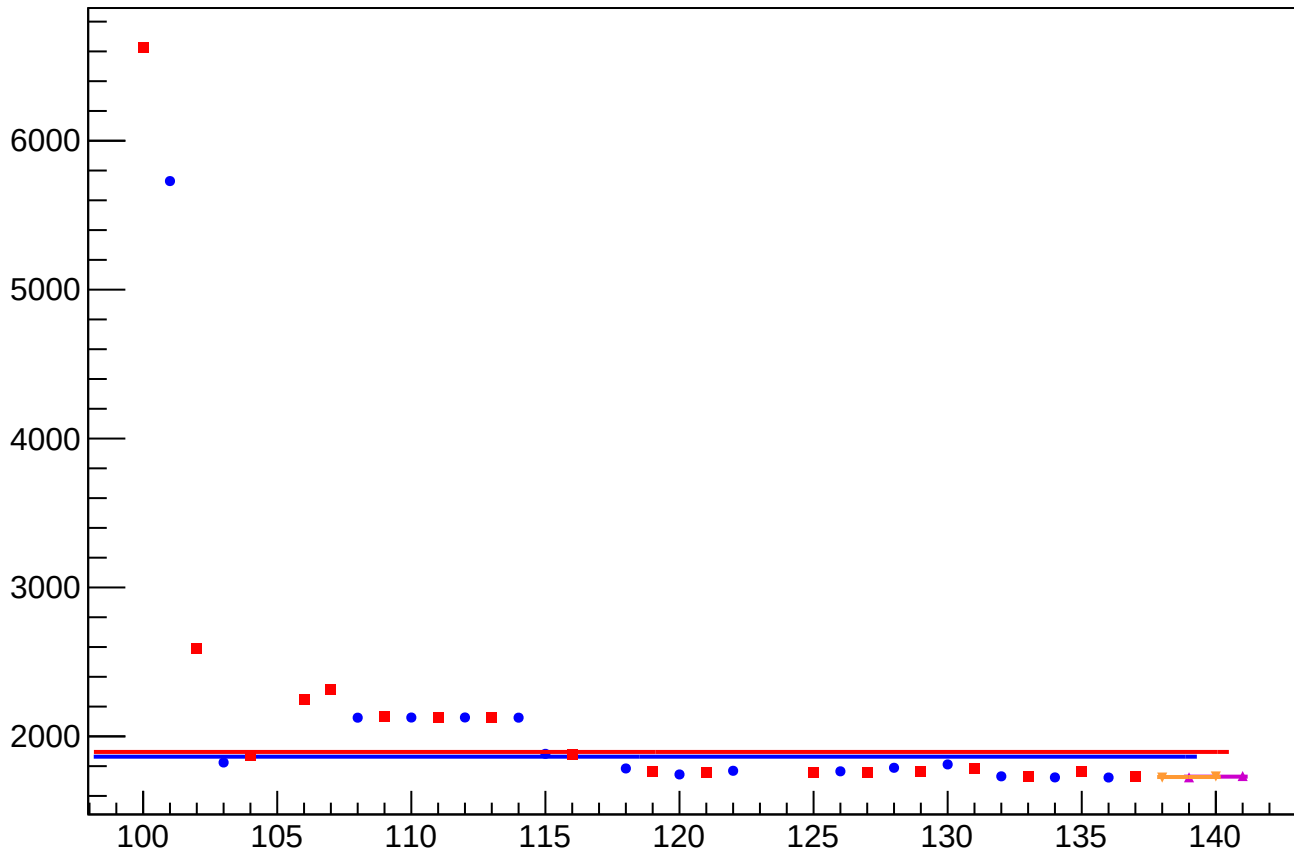
Left In: -2105.997 $\pm$ 1314.234 χ^2 /NDF:0.4/1

+ sign -217.645 $\pm$ 628.335 χ^2 /NDF: 17.5/17

All: -520.202 $\pm$ 443.748 χ^2 /NDF: 35.4/37

- sign -821.261 $\pm$ 626.778 χ^2 /NDF: 17.4/19

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF : 674665.4/15

Left Out: 1727.011+/-0.958 χ^2/NDF : 15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF : 259171.7/17

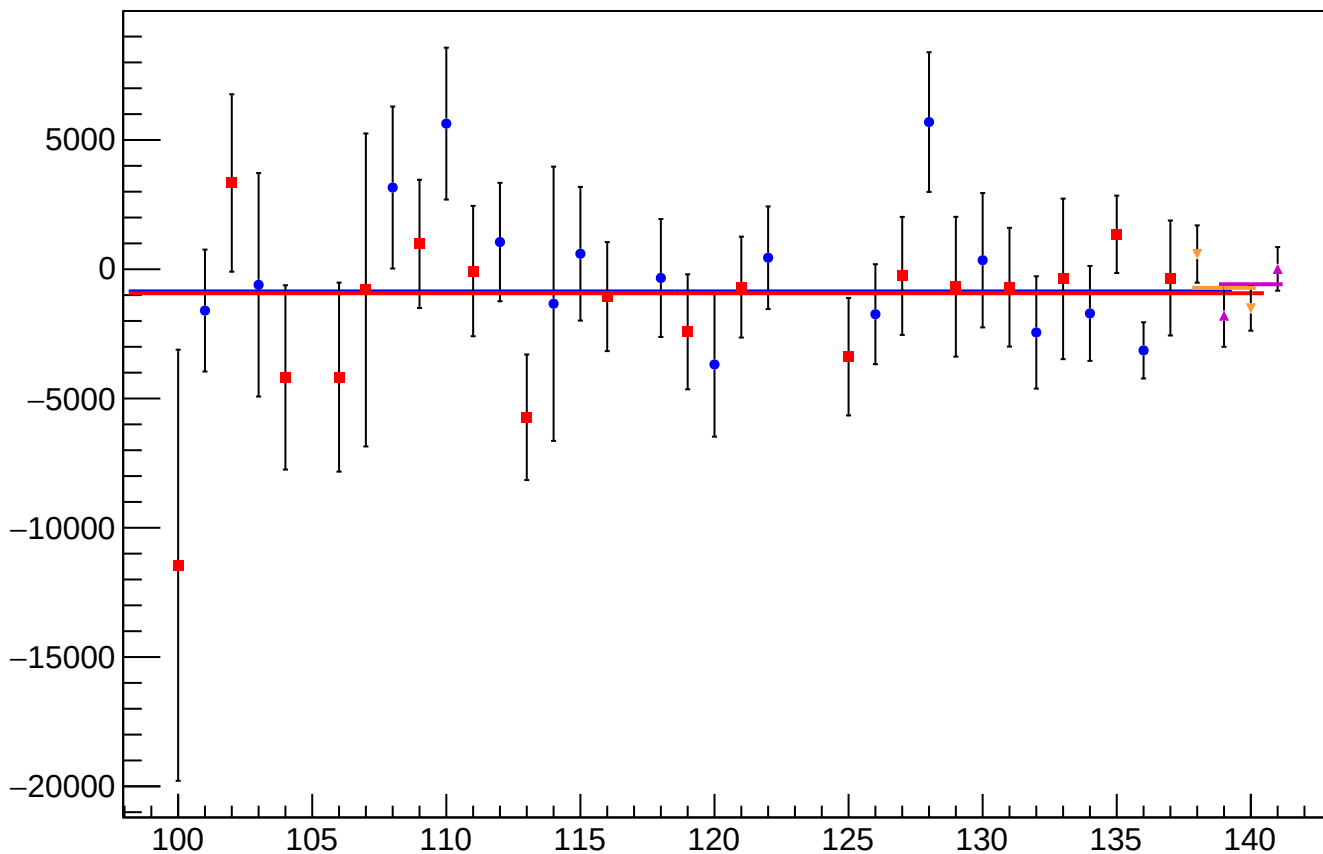
Left In: 1729.507+/-0.929 χ^2/NDF : 21.2/1

+ sign 1834.227+/-0.444 χ^2/NDF : 690623.6/17

All: 1846.012+/-0.314 χ^2/NDF : 975866.3/37

- sign 1857.739+/-0.443 χ^2/NDF : 283839.1/19

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

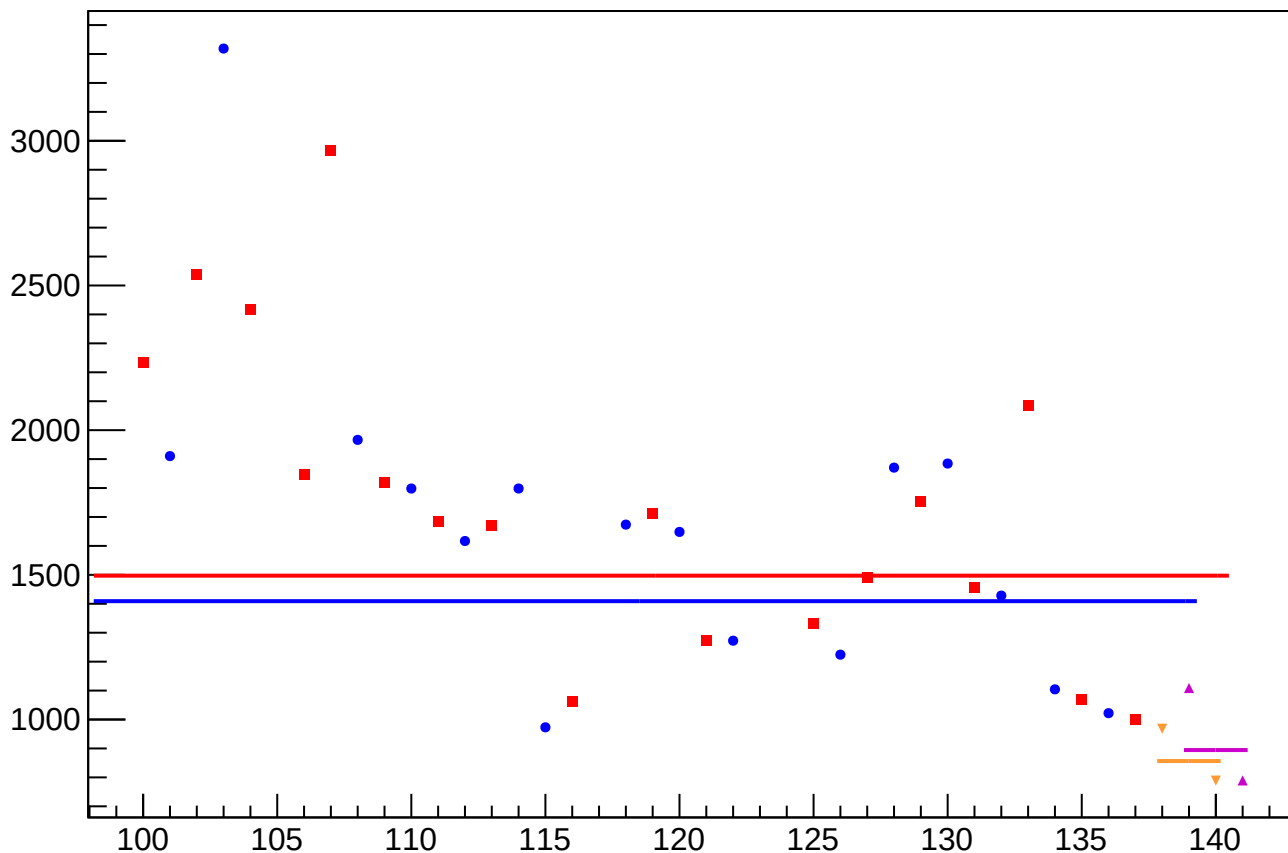
Left In: -580.715+/-691.350 χ^2/NDF : 1.5/1

+ sign -803.822+/-427.816 χ^2/NDF : 22.9/17

All: -793.692+/-308.915 χ^2/NDF : 38.1/37

- sign -782.656+/-446.527 χ^2/NDF : 15.2/19

asym_us_dd_at1lr_dd_dd_eigen_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

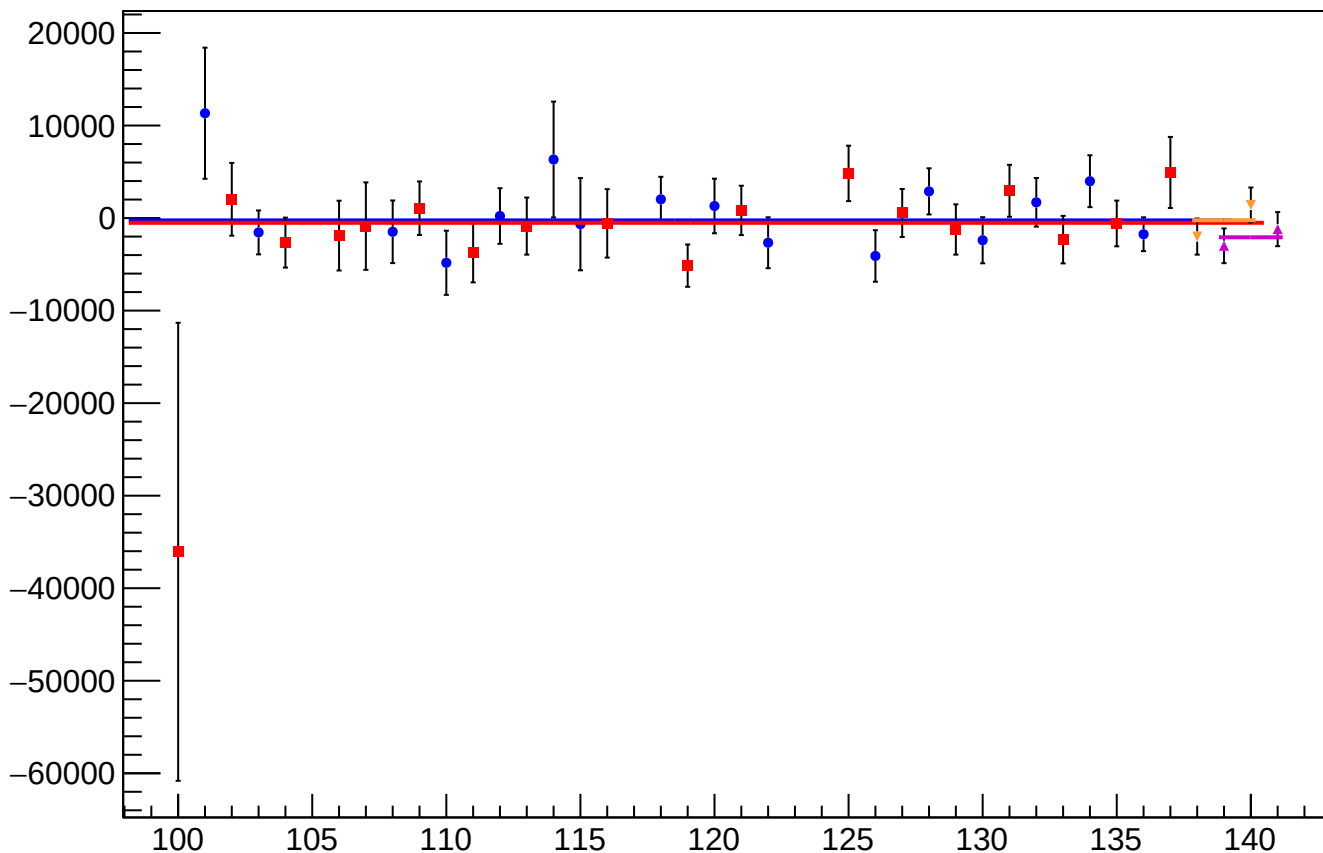
Left In: 894.436+/-0.489 χ^2/NDF : 94180.9/1

+ sign 1191.101+/-0.303 χ^2/NDF : 1996409.3/17

All: 1217.244+/-0.218 χ^2/NDF : 4010261.2/37

- sign 1245.723+/-0.316 χ^2/NDF : 1998247.8/19

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024 $\pm$ 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

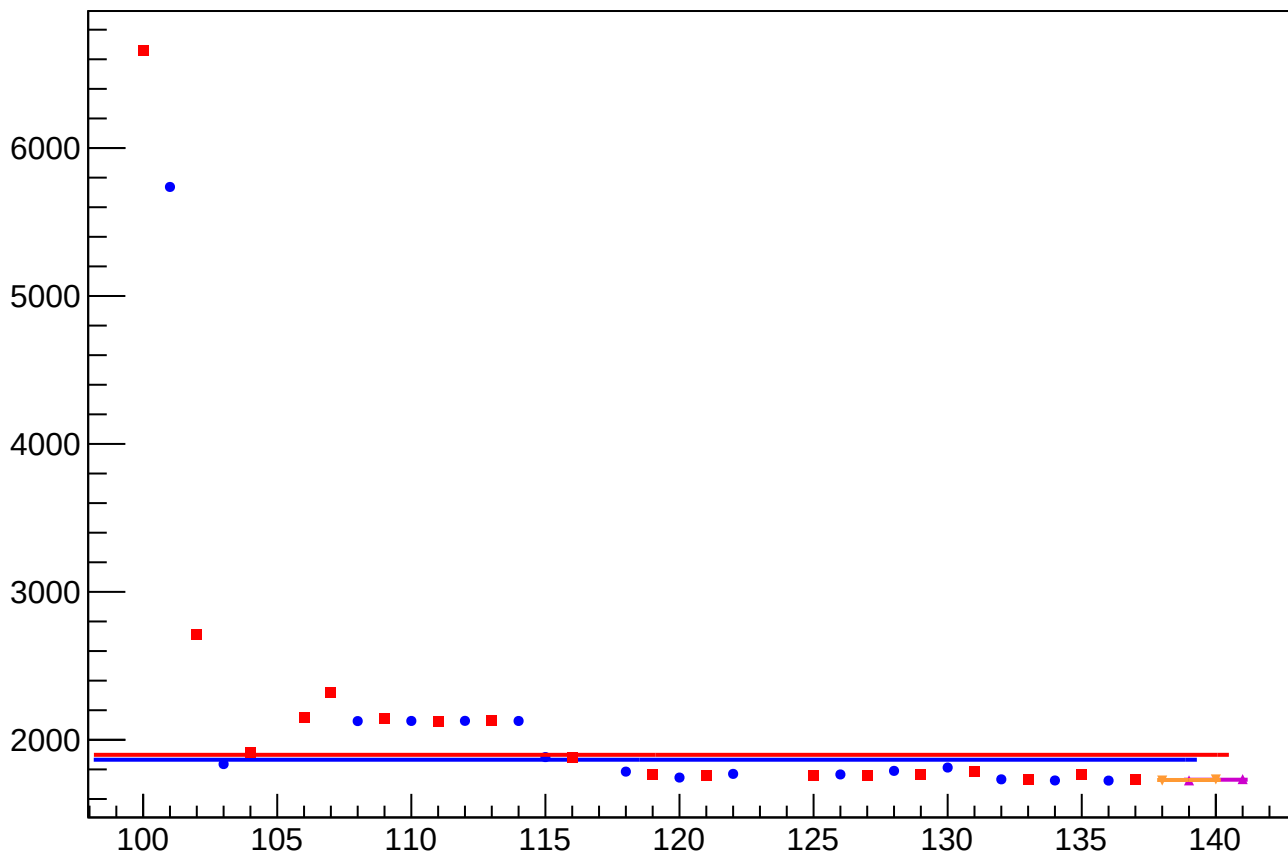
Left In: -2079.112 $\pm$ 1314.862 χ^2 /NDF:0.5/1

+ sign -248.378 $\pm$ 629.020 χ^2 /NDF: 17.2/17

All: -558.742 $\pm$ 444.578 χ^2 /NDF: 35.7/37

- sign -868.529 $\pm$ 628.436 χ^2 /NDF: 18.0/19

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440 $\pm$ 0.502 χ^2 /NDF: 674989.6/15

Left Out: 1728.466 $\pm$ 0.959 χ^2 /NDF:14.8/1

Right Out: 1898.603 $\pm$ 0.506 χ^2 /NDF: 269110.1/17

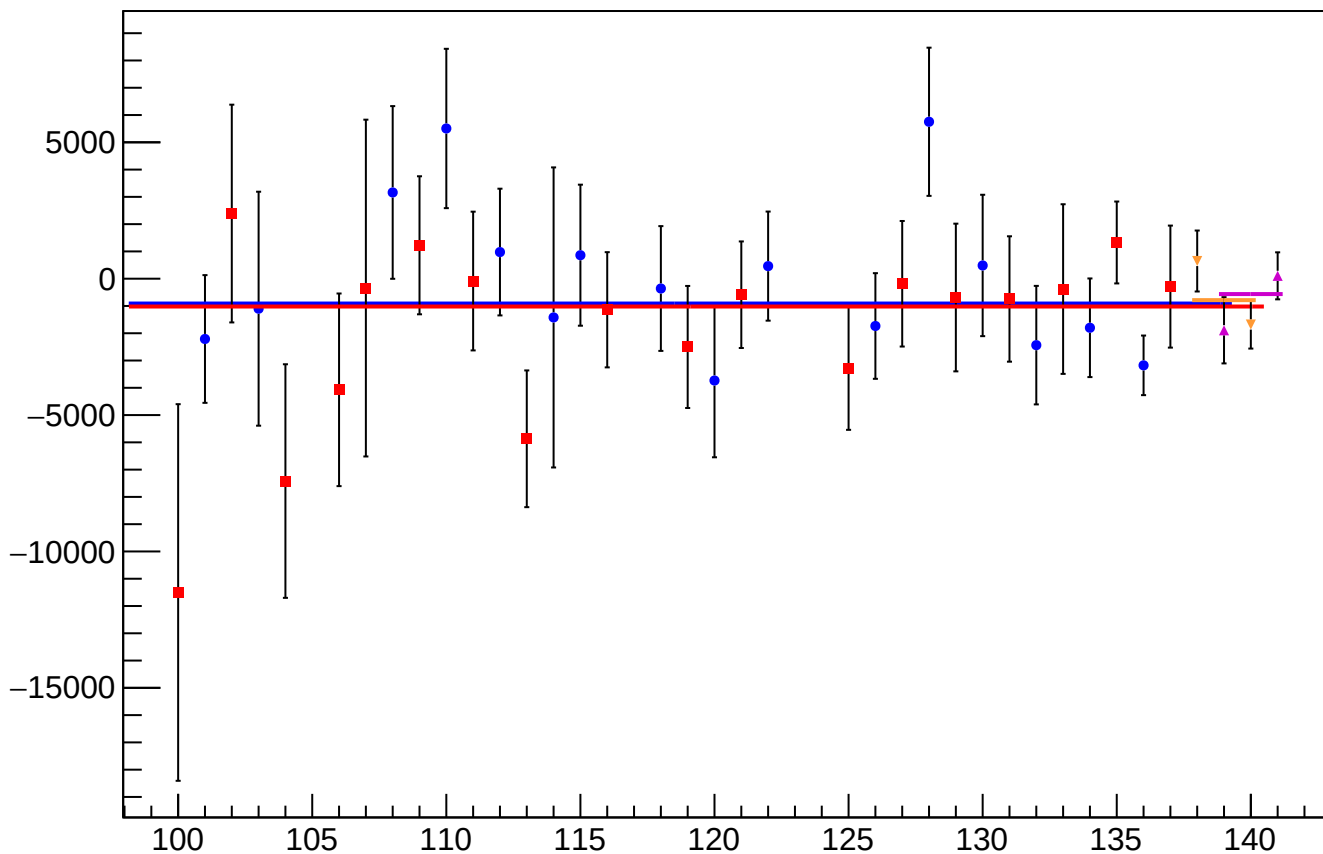
Left In: 1730.333 $\pm$ 0.930 χ^2 /NDF:20.8/1

+ sign 1835.985 $\pm$ 0.445 χ^2 /NDF: 691012.8/17

All: 1848.086 $\pm$ 0.314 χ^2 /NDF: 986895.7/37

- sign 1860.164 $\pm$ 0.444 χ^2 /NDF: 294403.9/19

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

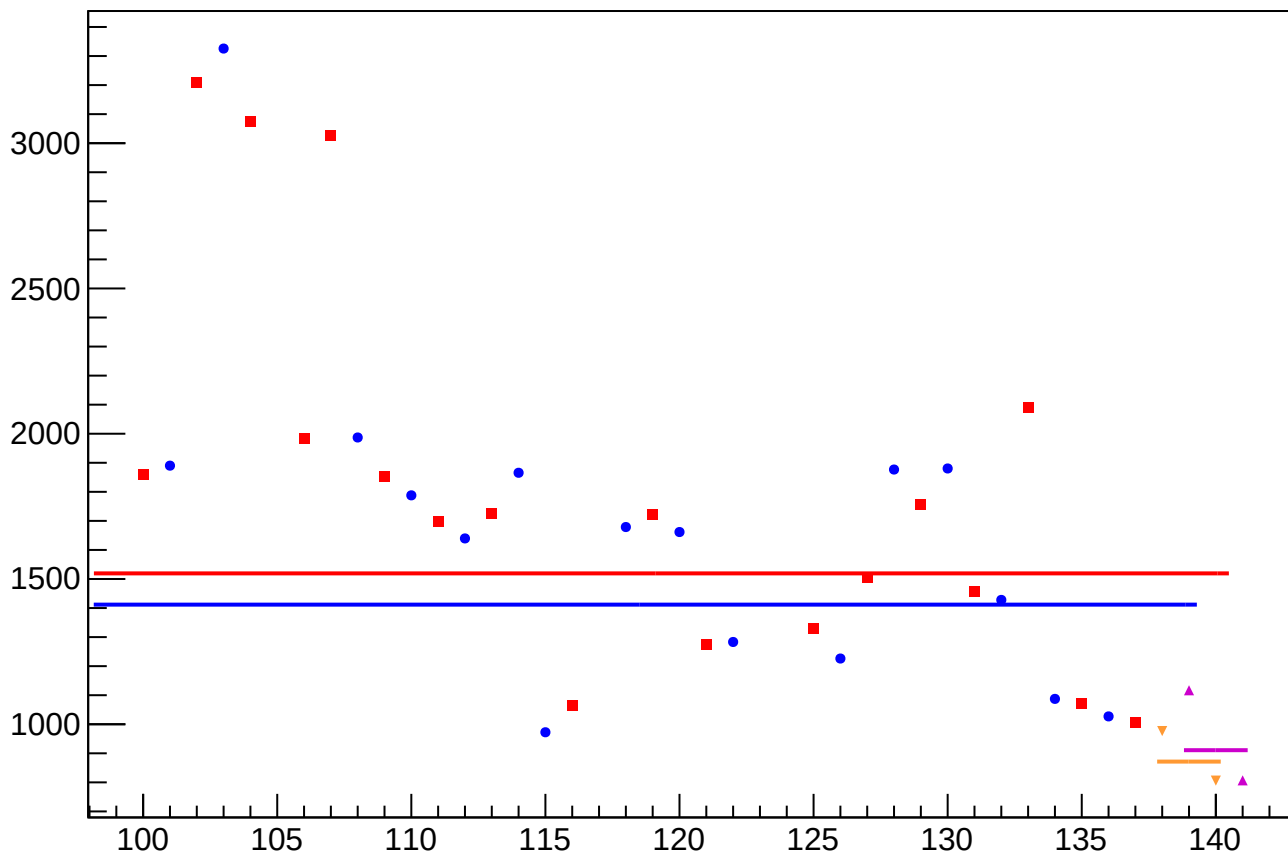
Left In: -563.490+/-702.842 χ^2/NDF : 1.8/1

+ sign -862.676+/-431.065 χ^2/NDF : 23.7/17

All: -847.496+/-312.147 χ^2/NDF : 40.7/37

- sign -830.761+/-452.606 χ^2/NDF : 17.0/19

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748 $\pm$ 0.389 χ^2 /NDF: 1177745.4/15

Left Out: 871.505 $\pm$ 0.490 χ^2 /NDF: 28717.1/1

Right Out: 1519.305 $\pm$ 0.418 χ^2 /NDF: 1360145.6/17

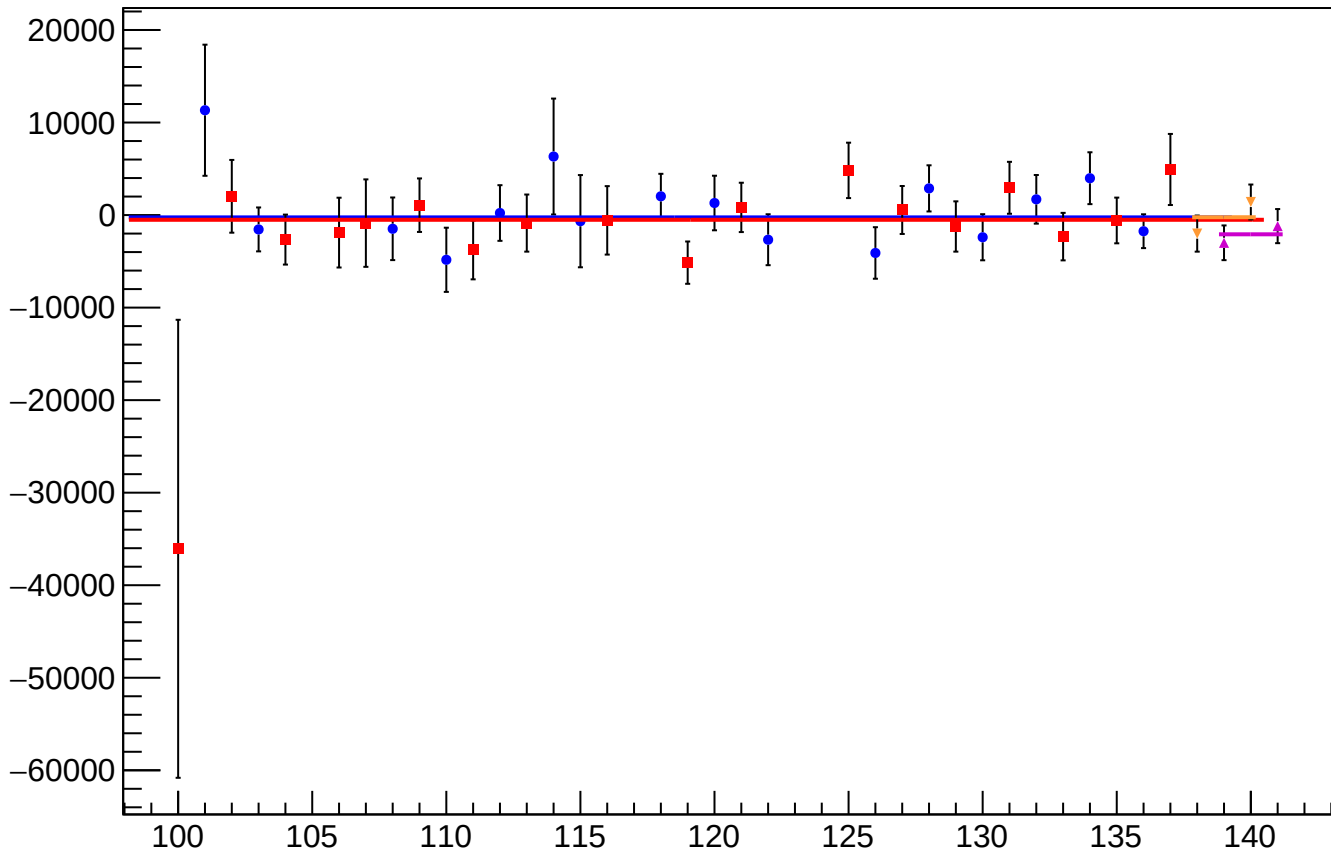
Left In: 910.754 $\pm$ 0.497 χ^2 /NDF: 86689.7/1

+ sign 1202.354 $\pm$ 0.305 χ^2 /NDF: 1952119.1/17

All: 1233.075 $\pm$ 0.221 χ^2 /NDF: 4297905.9/37

- sign 1266.944 $\pm$ 0.320 χ^2 /NDF: 2324429.3/19

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF : 15.6/15

Left Out: -235.068+/-1356.445 χ^2/NDF : 1.6/1

Right Out: -510.117+/-715.442 χ^2/NDF : 16.4/17

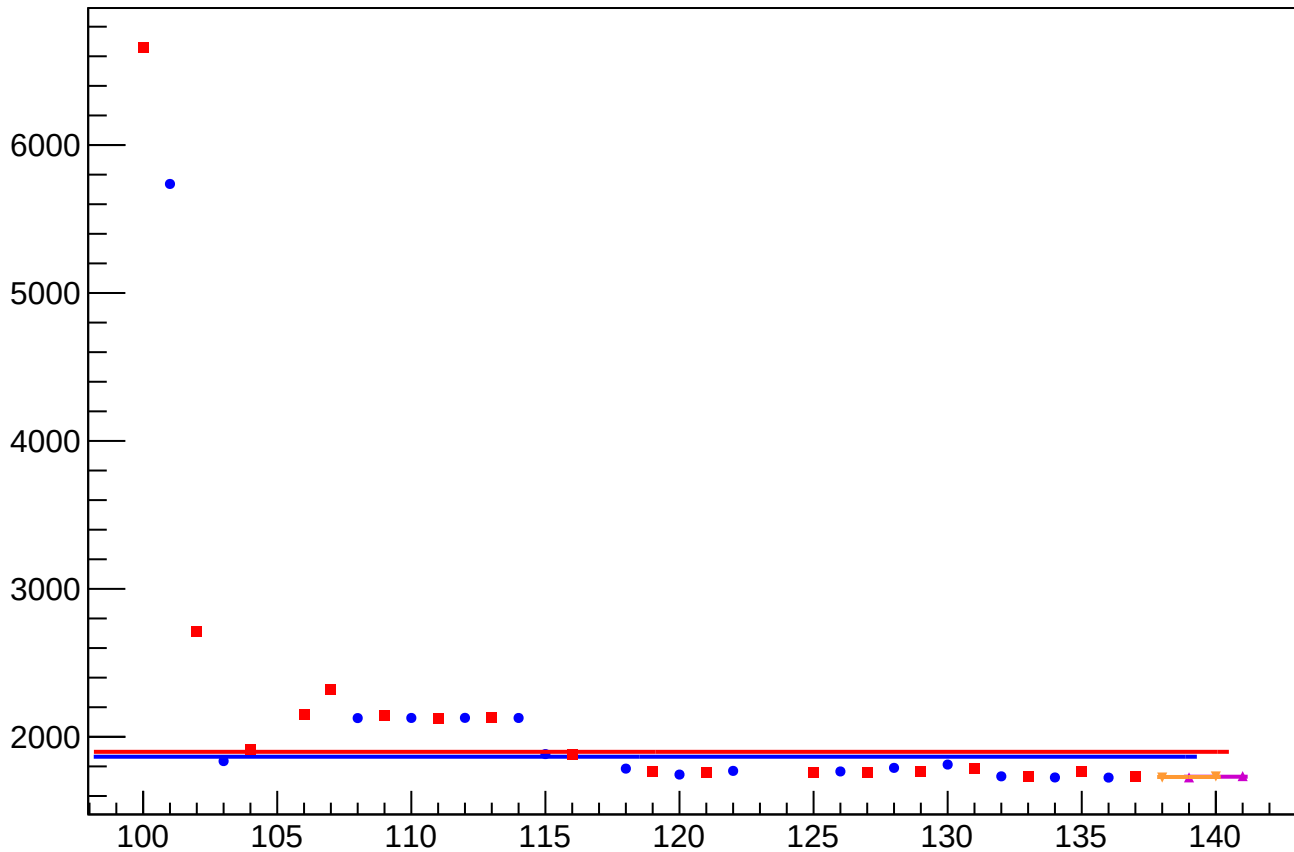
Left In: -2079.117+/-1314.862 χ^2/NDF : 0.5/1

+ sign -248.377+/-629.020 χ^2/NDF : 17.2/17

All: -558.742+/-444.578 χ^2/NDF : 35.7/37

- sign -868.530+/-628.436 χ^2/NDF : 18.0/19

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF : 674989.6/15

Left Out: 1728.466+/-0.959 χ^2/NDF : 14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF : 269109.9/17

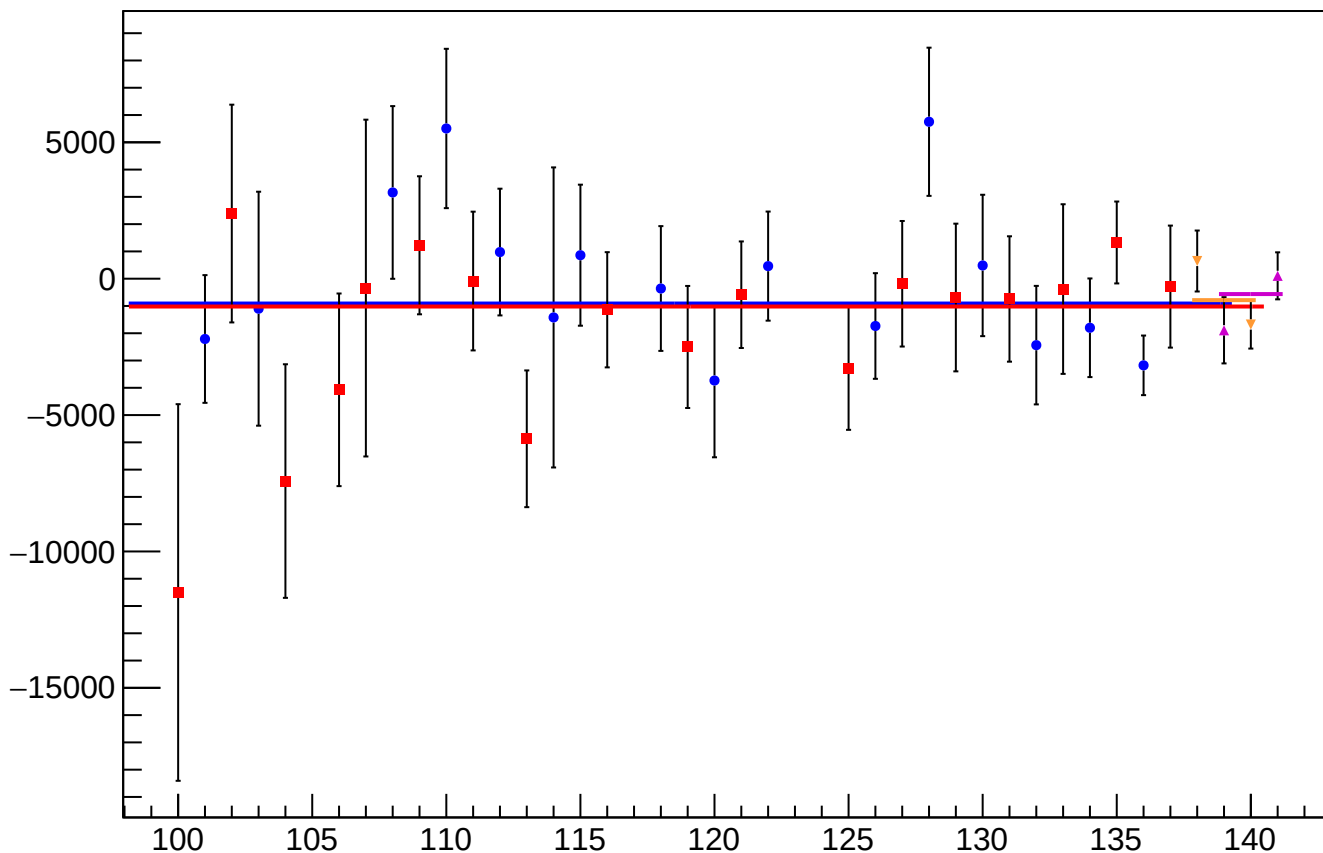
Left In: 1730.333+/-0.930 χ^2/NDF : 20.8/1

+ sign 1835.985+/-0.445 χ^2/NDF : 691012.8/17

All: 1848.086+/-0.314 χ^2/NDF : 986895.4/37

- sign 1860.164+/-0.444 χ^2/NDF : 294403.7/19

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

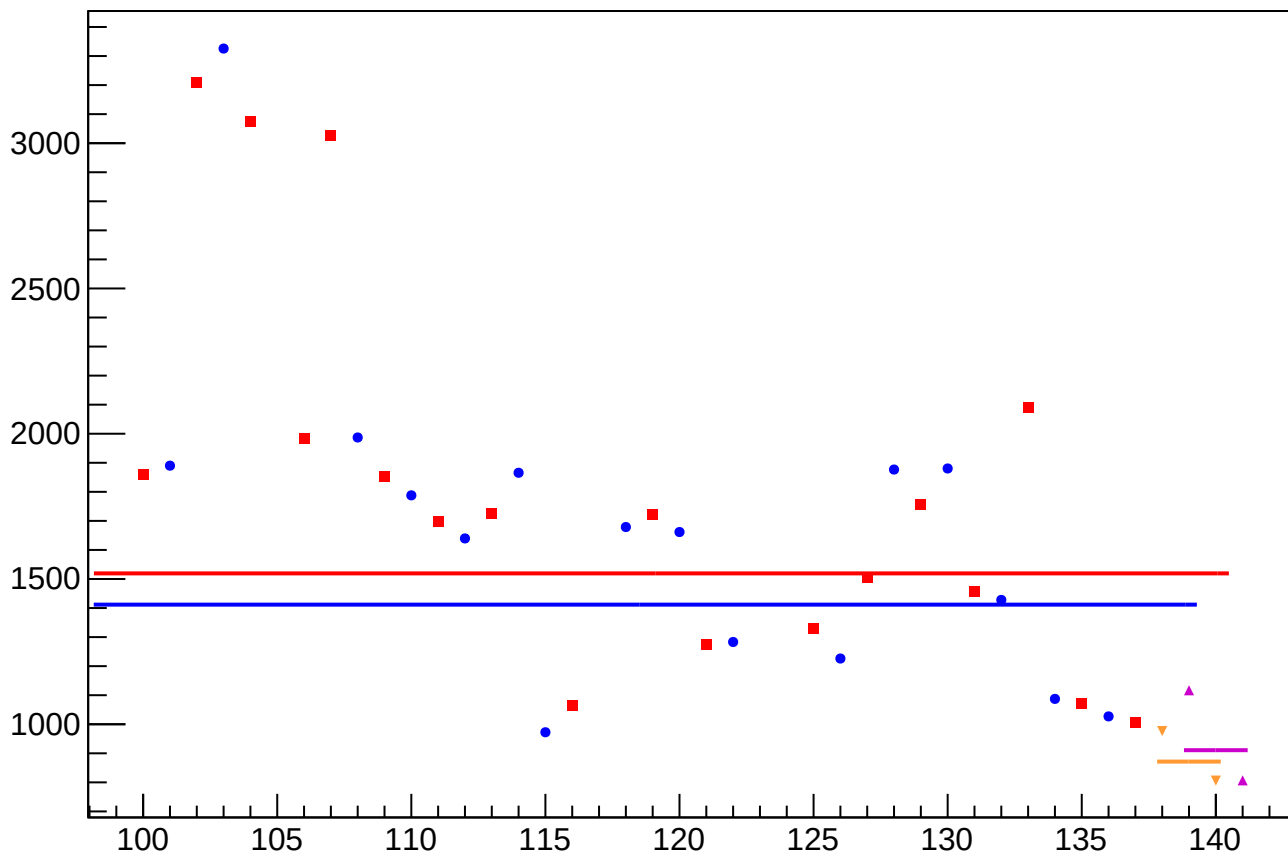
Left In: -563.487+/-702.841 χ^2/NDF : 1.8/1

+ sign -862.675+/-431.064 χ^2/NDF : 23.7/17

All: -847.495+/-312.146 χ^2/NDF : 40.7/37

- sign -830.760+/-452.606 χ^2/NDF : 17.0/19

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

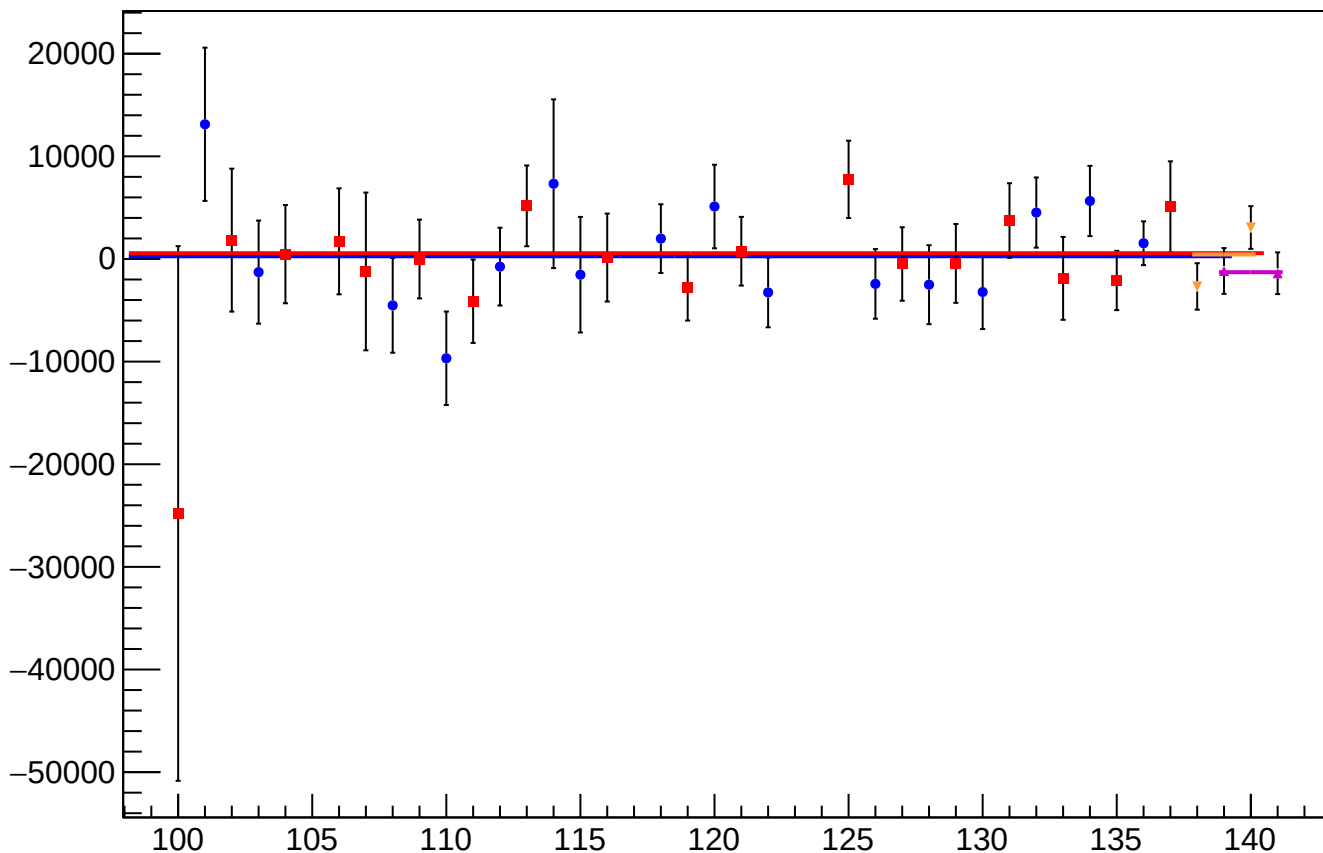
Left In: 910.752+/-0.497 χ^2/NDF : 86693.3/1

+ sign 1202.352+/-0.305 χ^2/NDF : 1952117.6/17

All: 1233.073+/-0.221 χ^2/NDF : 4297910.8/37

- sign 1266.942+/-0.320 χ^2/NDF : 2324435.6/19

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

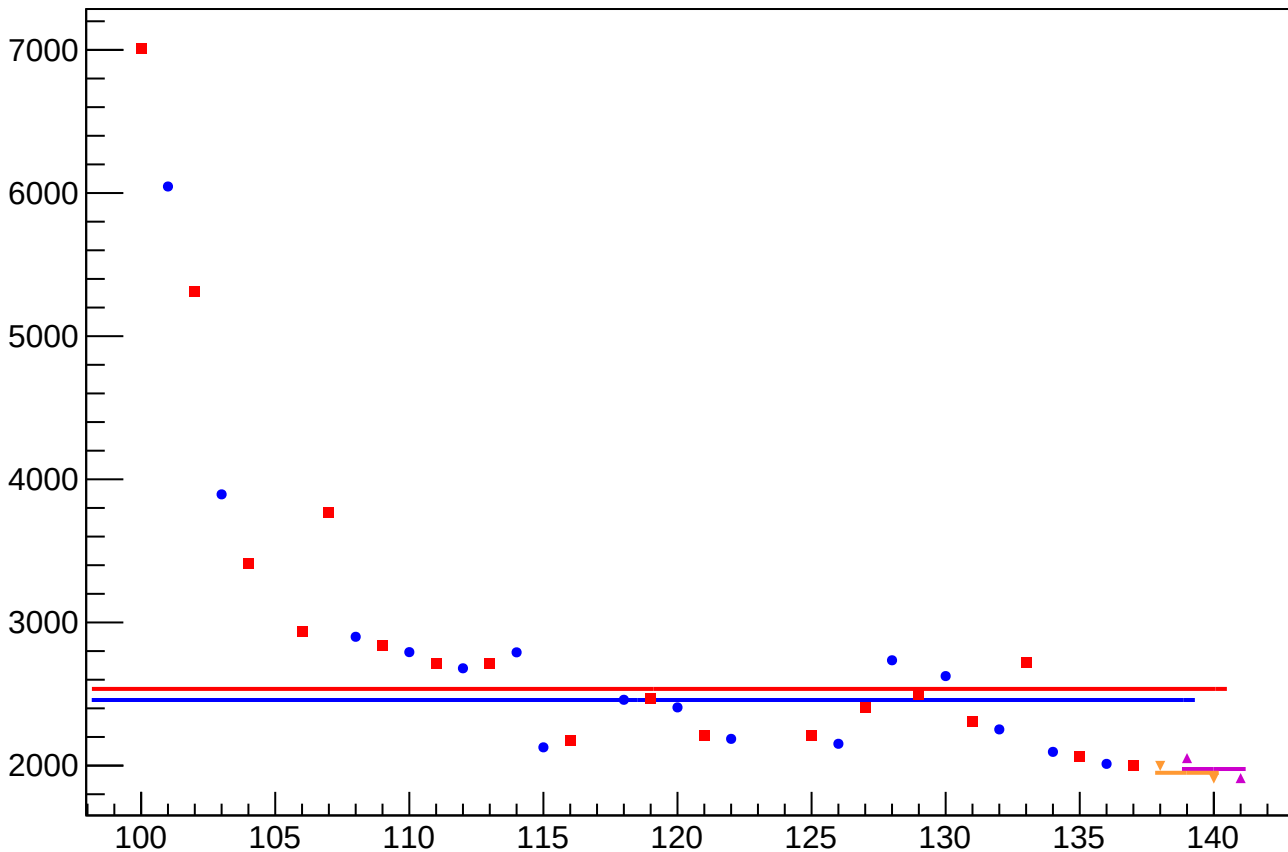
Left In: -1288.806 $\pm$ 1502.780 χ^2 /NDF: 0.0/1

+ sign 311.781 $\pm$ 802.296 χ^2 /NDF: 22.5/17

All: 168.679 $\pm$ 570.283 χ^2 /NDF: 35.4/37

- sign 22.536 $\pm$ 810.774 χ^2 /NDF: 12.8/19

asym us dd at1lr dd dd rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF : 832888.7/15

Left Out: 1949.824+/-1.083 $\chi^2/\text{NDF}: 1660.5/1$

Right Out: 2535.782 ± 0.681 χ^2/NDF : 673337.1/17

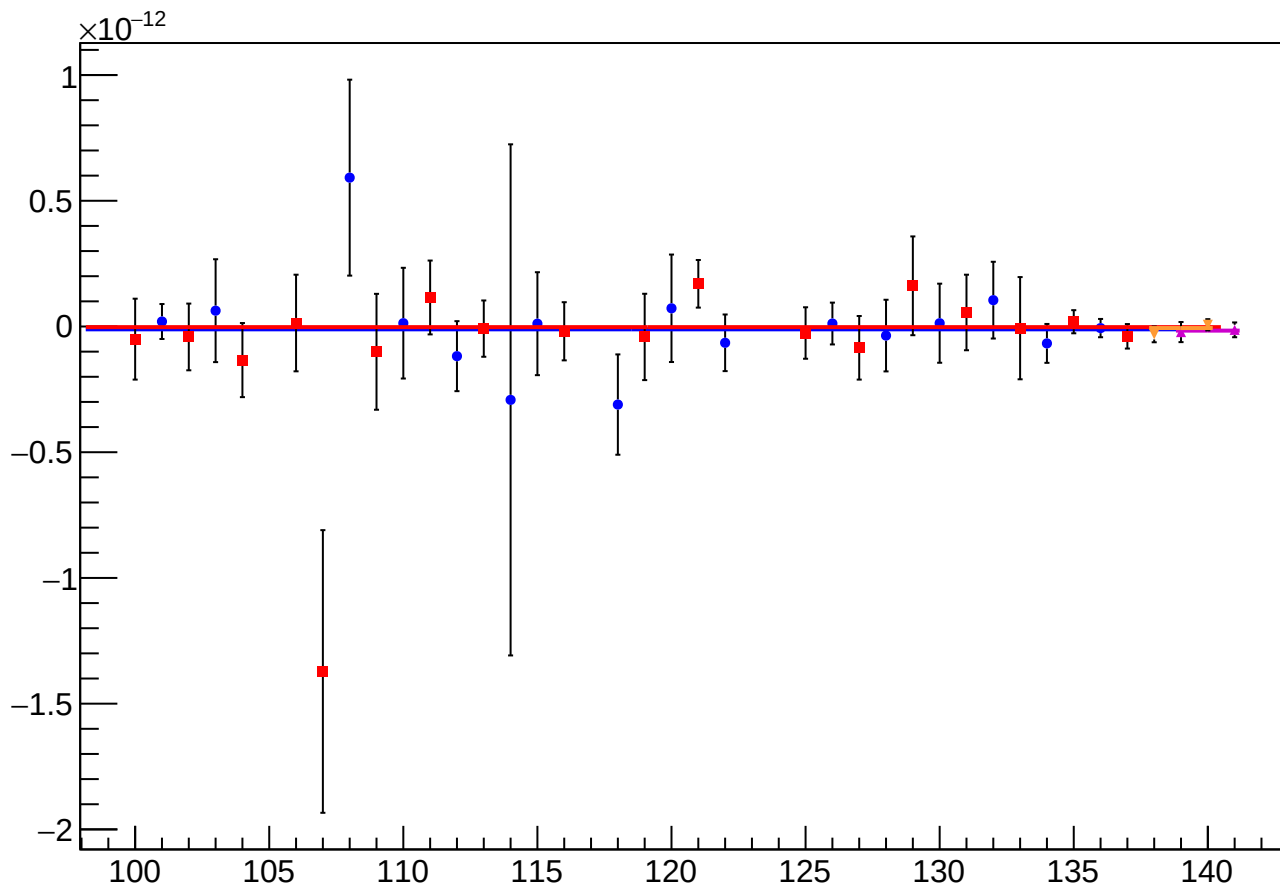
Left In: 1976.203+/-1.063 $\chi^2/\text{NDF}: 4286.6/1$

+ sign 2318.702+/-0.567 χ^2/NDF : 994586.5/17

All: 2345.518 ± 0.403 χ^2/NDF : 1873316.2/37

- sign 2372.902+/-0.573 χ^2/NDF : 874213.9/19

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 7.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/17

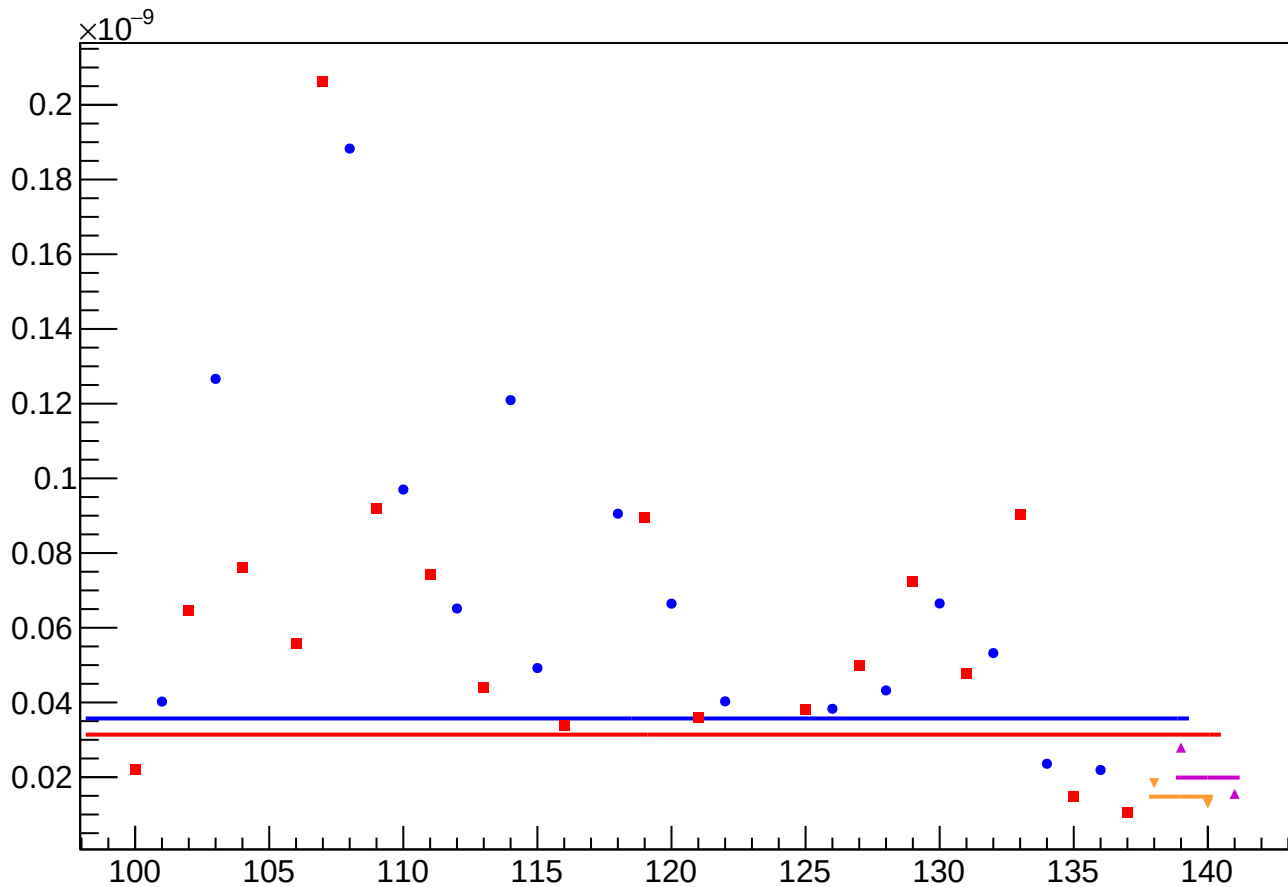
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 8.3/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.4/19

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 40269.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2068272.1/17

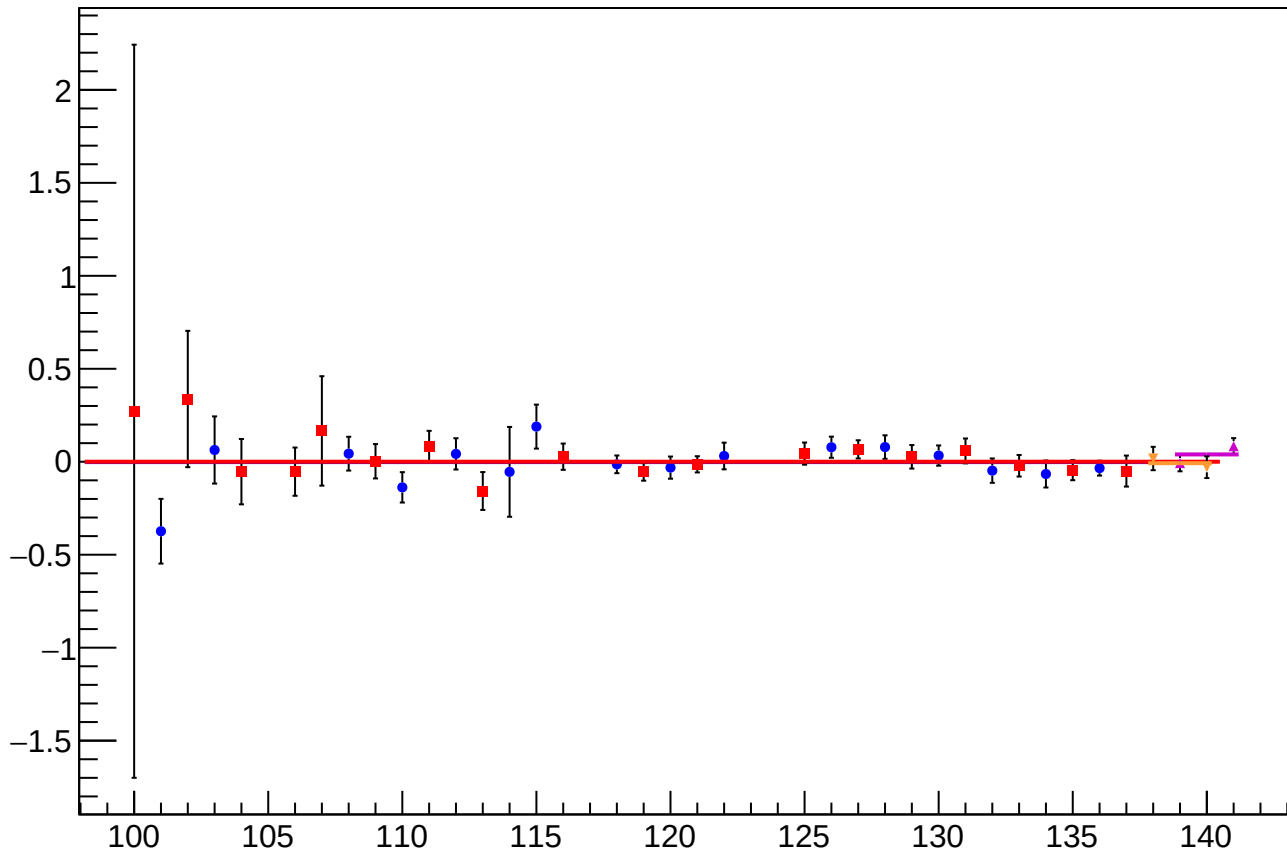
Left In: 0.000+/-0.000 χ^2/NDF : 124416.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 2597117.3/17

All: 0.000+/-0.000 χ^2/NDF : 5060622.8/37

- sign 0.000+/-0.000 χ^2/NDF : 2421767.3/19

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

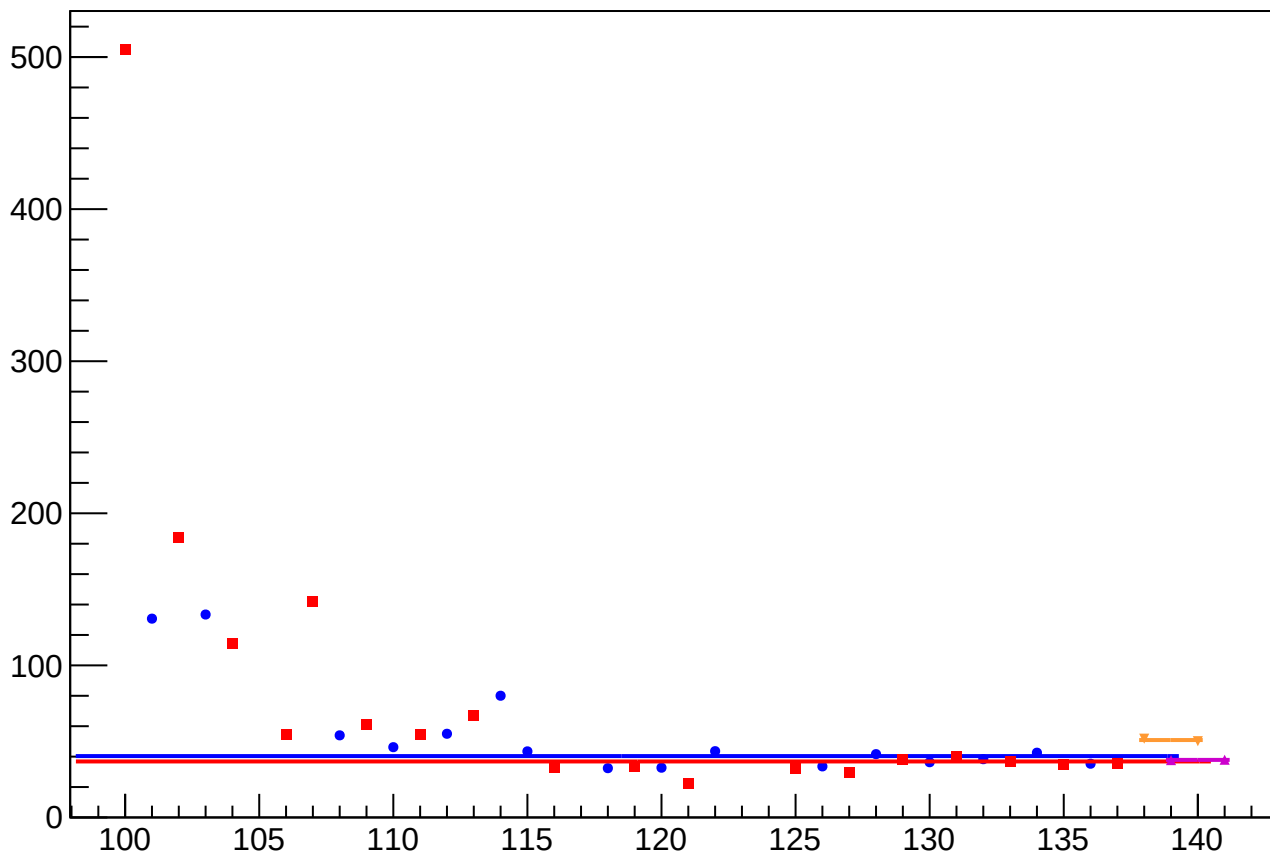
Left In: 0.039 ± 0.031 χ^2/NDF : 2.1/1

+ sign -0.003 ± 0.016 χ^2/NDF : 17.4/17

All: 0.004 ± 0.011 χ^2/NDF : 32.0/37

- sign 0.009 ± 0.015 χ^2/NDF : 14.3/19

asym_us_dd_at1lr_dd_dd_dit_vs_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

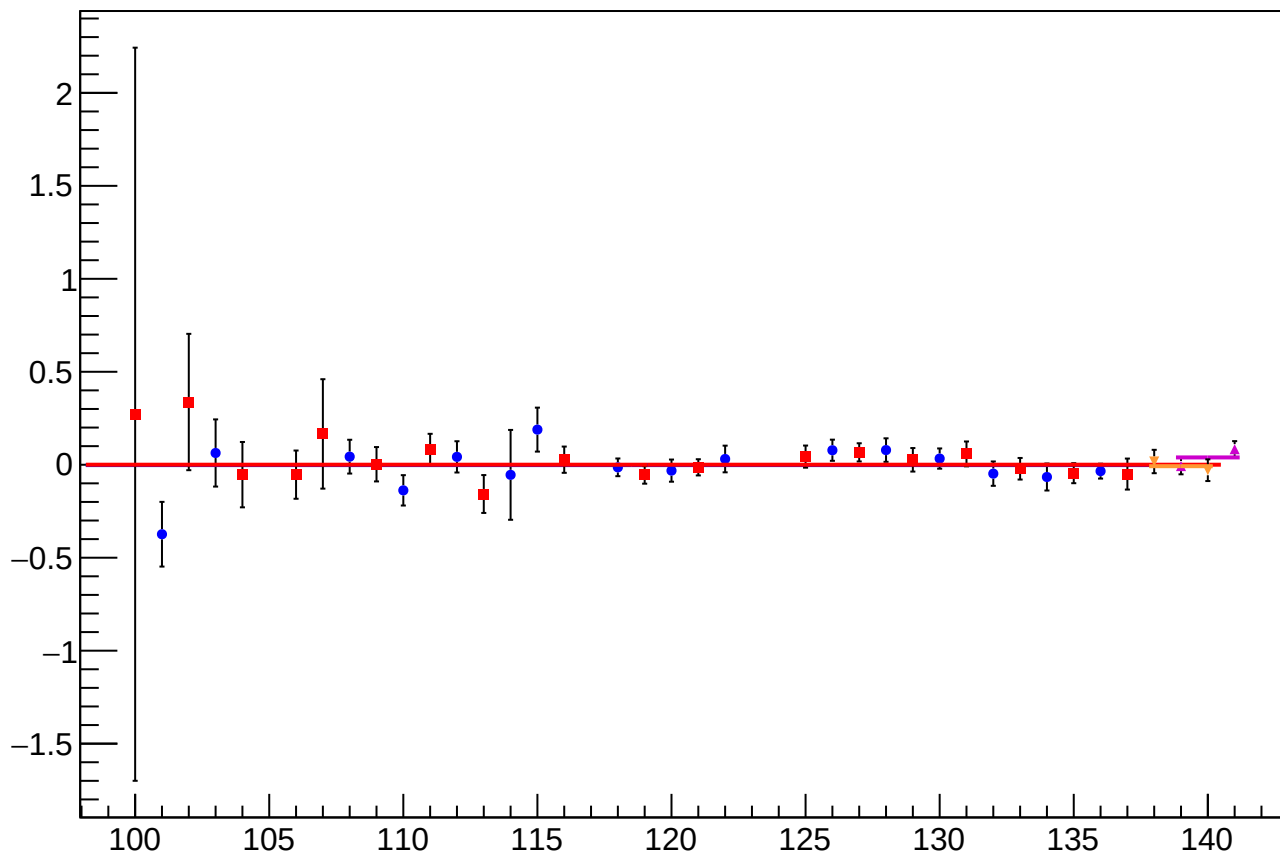
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF: 31.7/1

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515915.1/17

All: 39.245 $\pm$ 0.008 χ^2 /NDF: 3451370.7/37

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838833.9/19

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_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

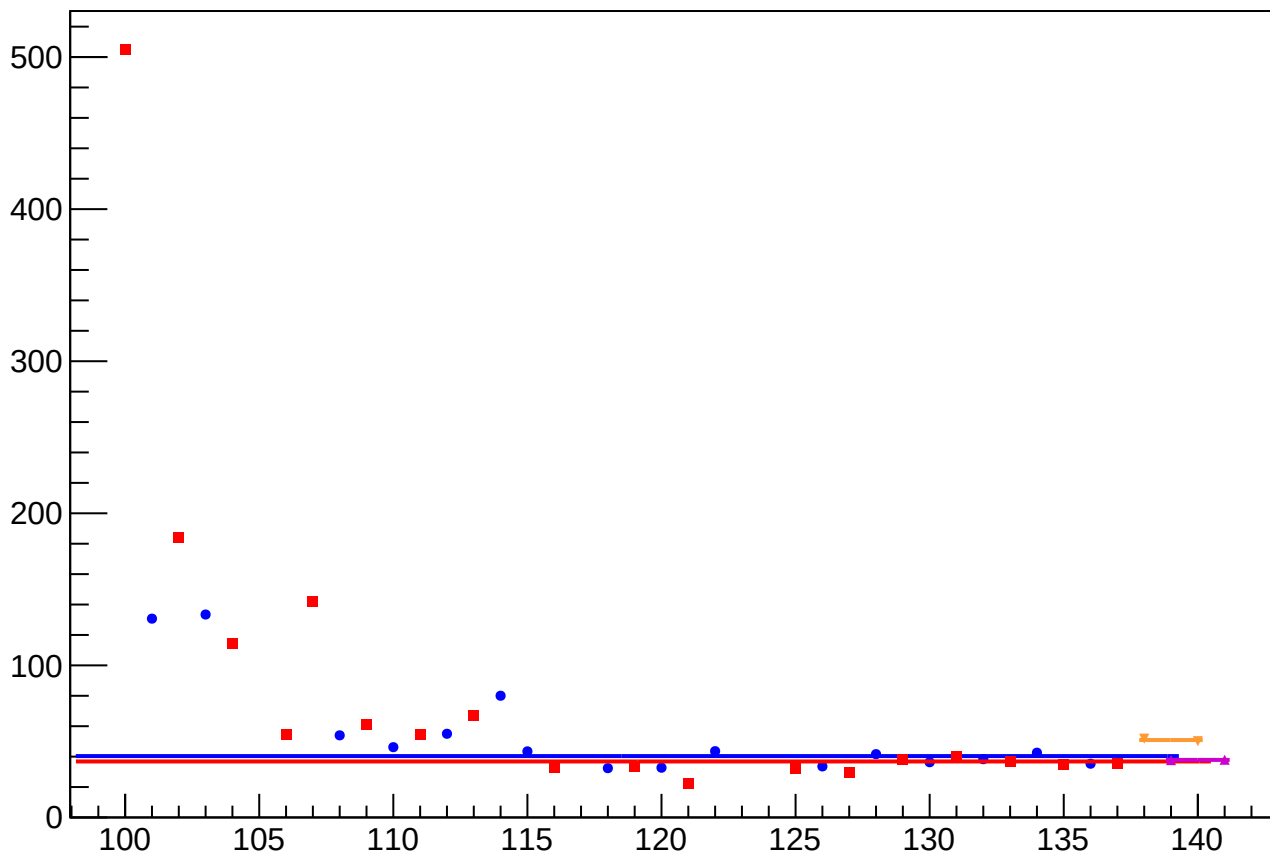
Left In: 0.039 $\pm$ 0.031 χ^2 /NDF: 2.1/1

+ sign -0.003 $\pm$ 0.016 χ^2 /NDF: 17.4/17

All: 0.004 $\pm$ 0.011 χ^2 /NDF: 32.0/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 14.3/19

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

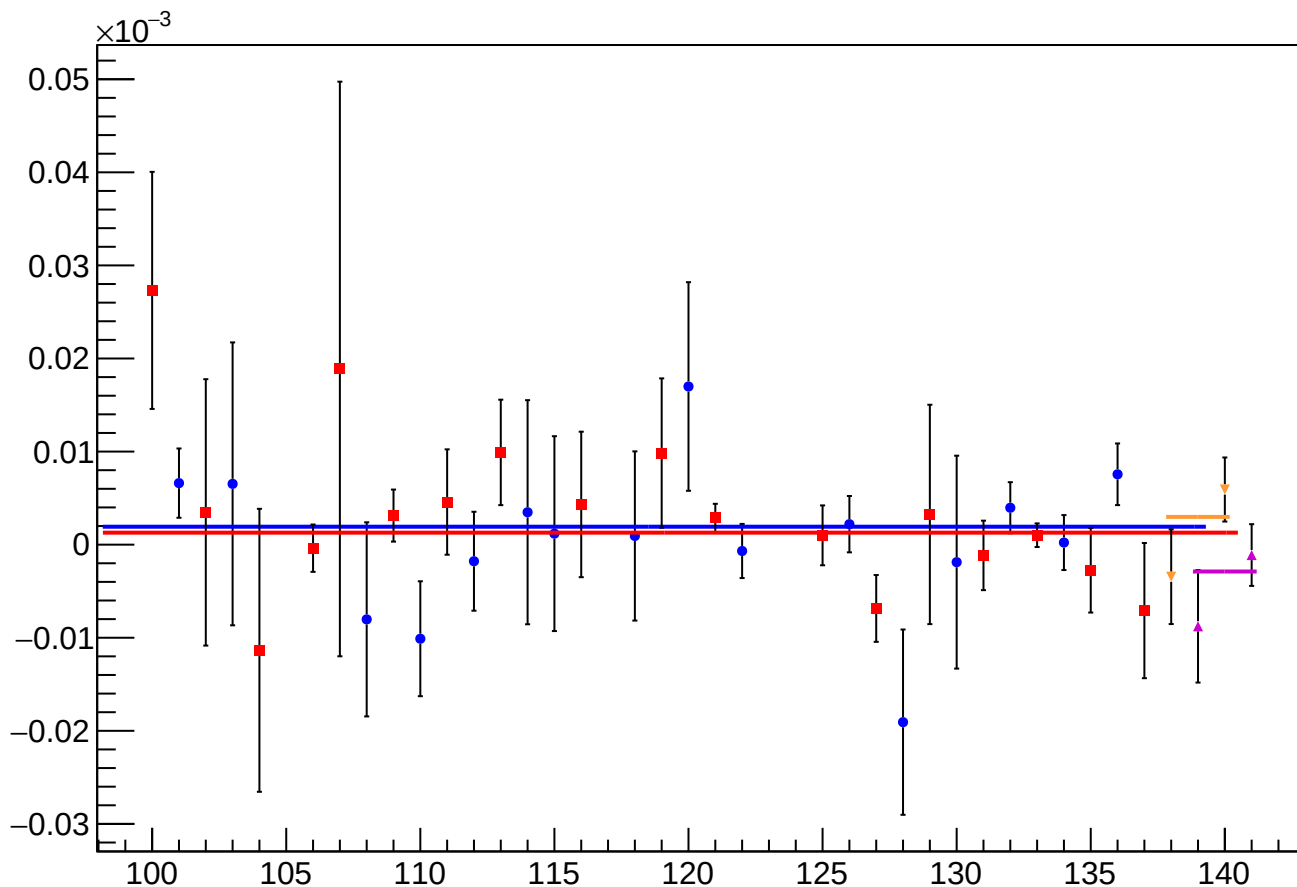
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF: 31.7/1

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515915.1/17

All: 39.245 $\pm$ 0.008 χ^2 /NDF: 3451370.7/37

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838833.9/19

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/17

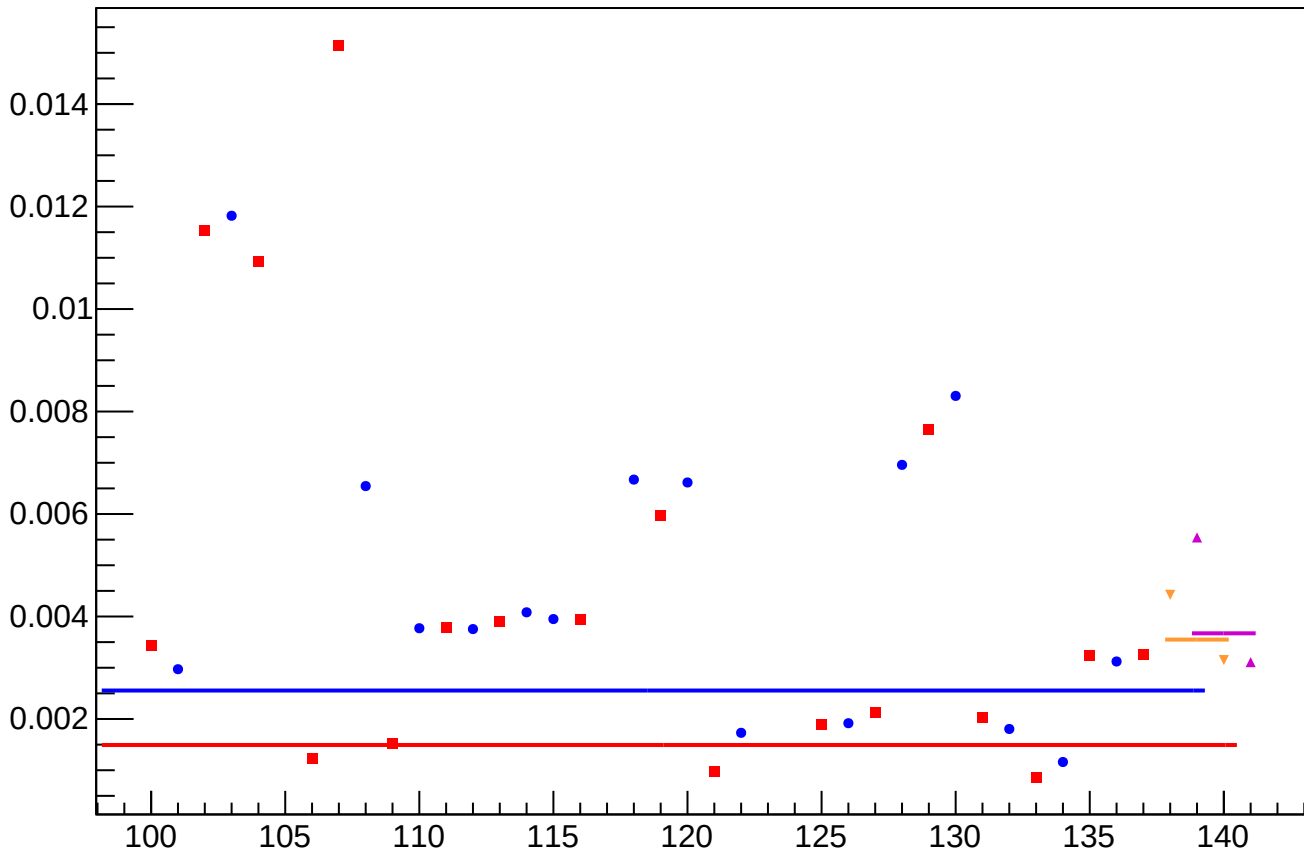
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.0/19

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3782362.0/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:86070.3/1

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5561830.1/17

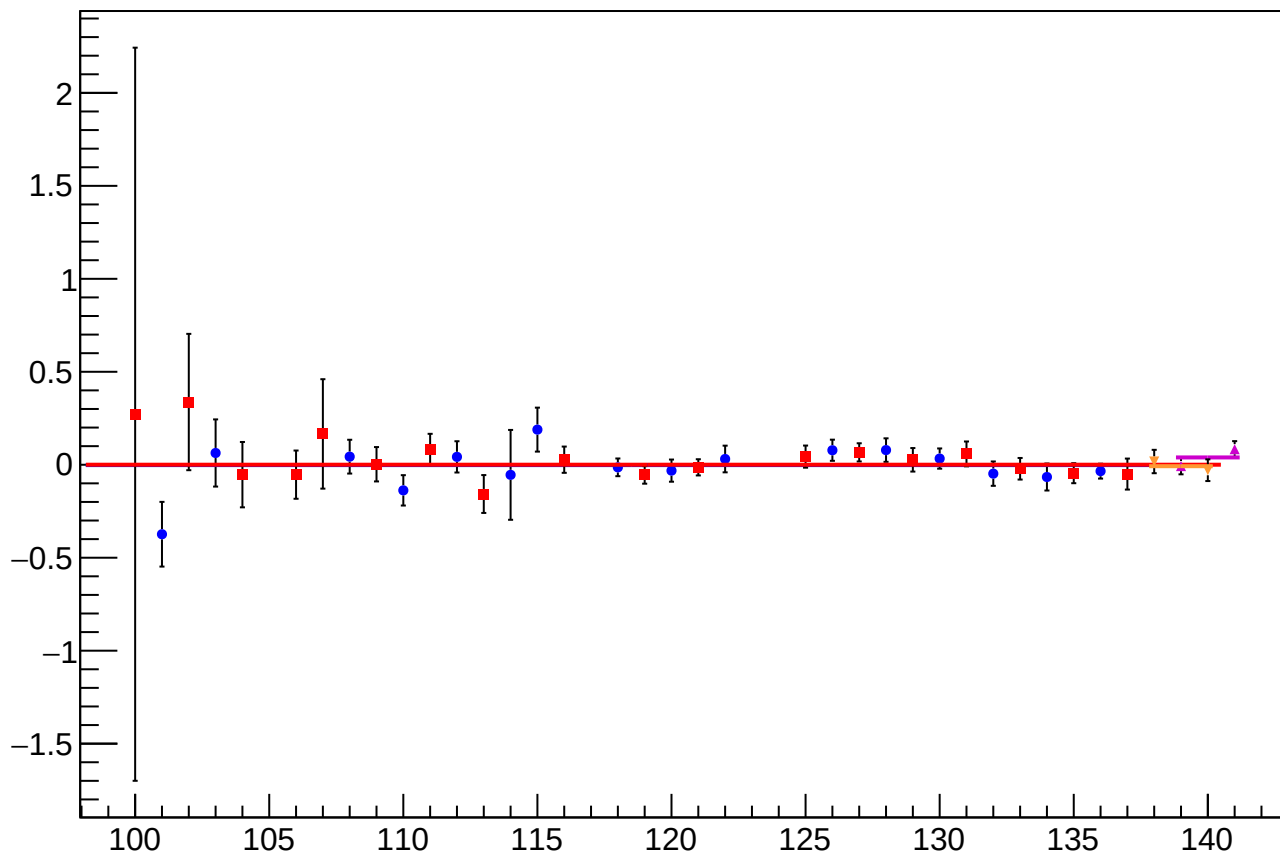
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:249101.4/1

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4078050.1/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 12311793.1/37

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6864677.0/19

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

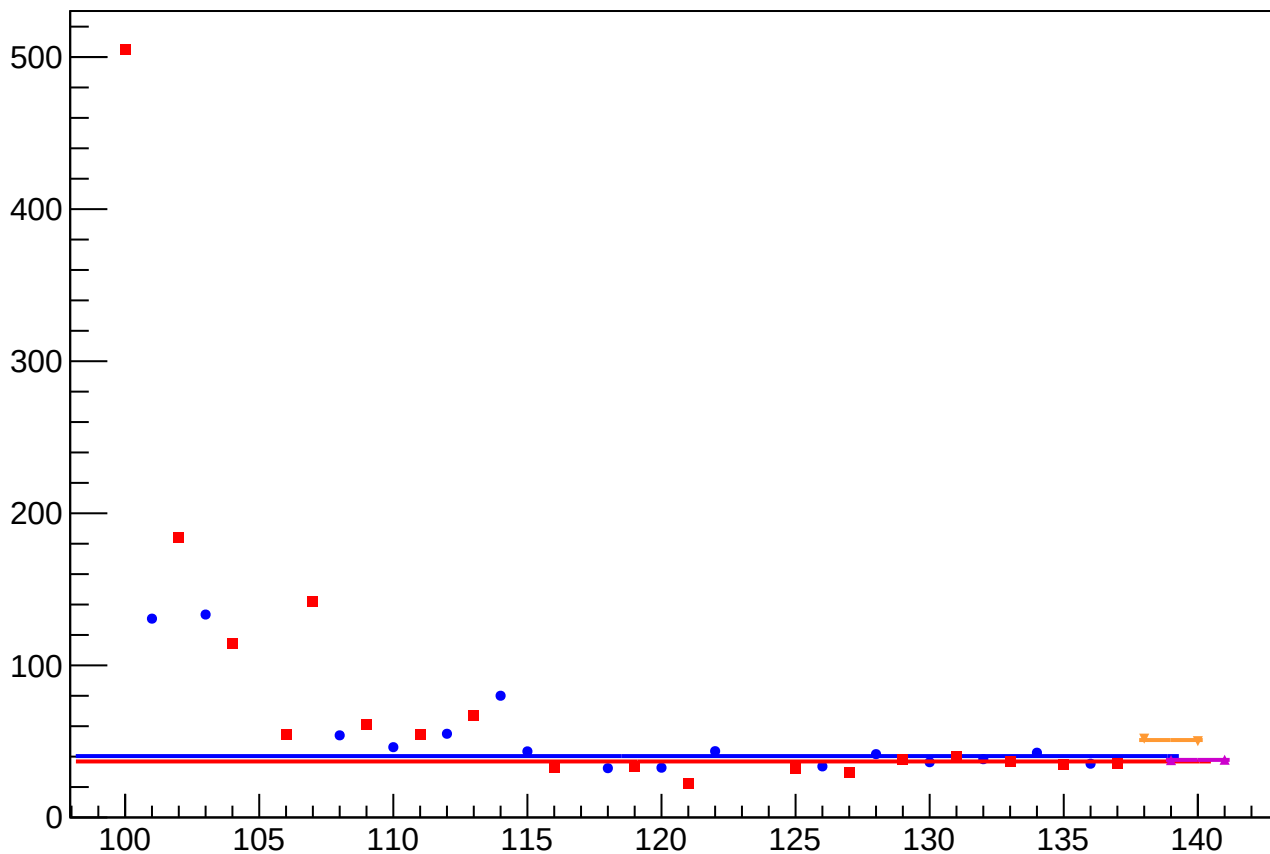
Left In: 0.039 $\pm$ 0.031 χ^2 /NDF: 2.1/1

+ sign -0.003 $\pm$ 0.016 χ^2 /NDF: 17.4/17

All: 0.004 $\pm$ 0.011 χ^2 /NDF: 32.0/37

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 14.3/19

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

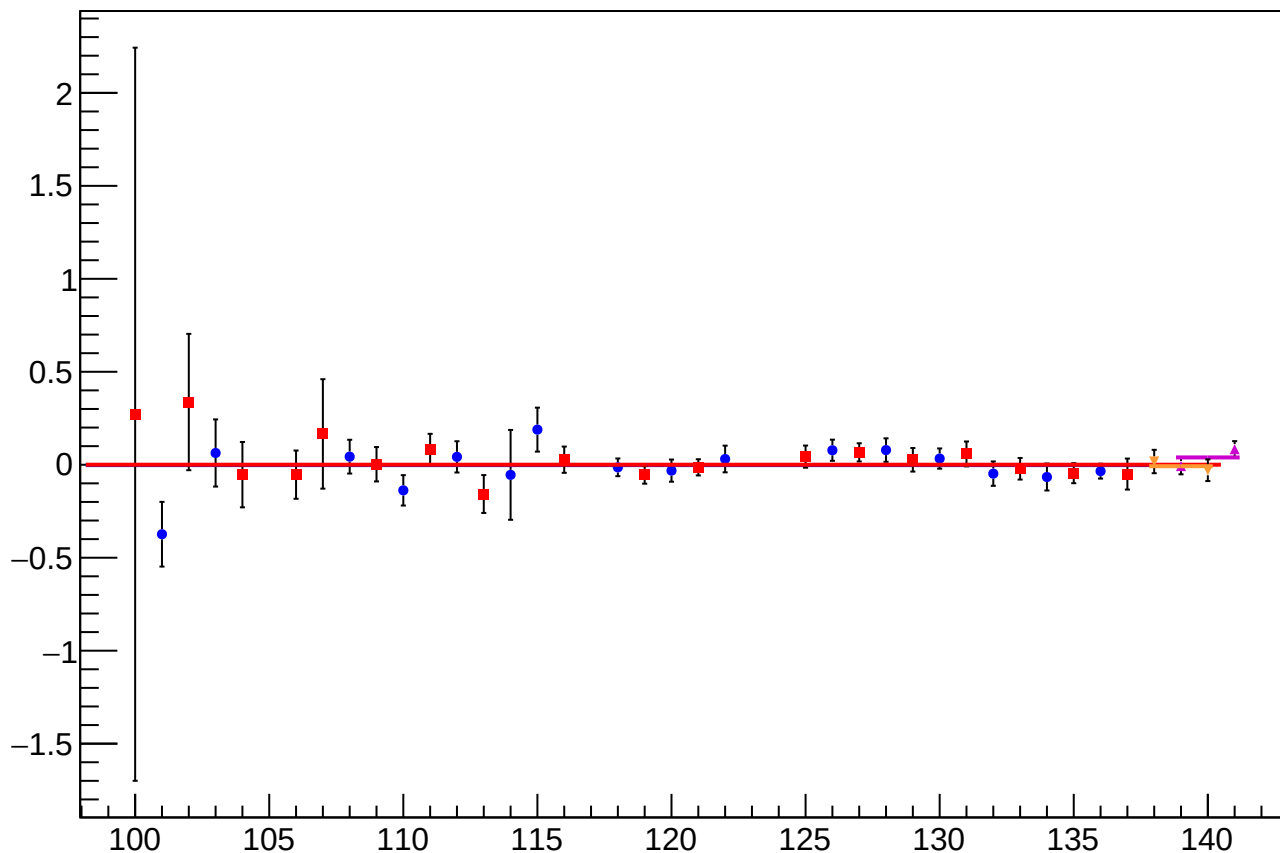
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF: 31.3/1

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515803.2/17

All: 39.245 $\pm$ 0.008 χ^2 /NDF: 3451303.3/37

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838830.6/19

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: -0.008 ± 0.043 χ^2/NDF : 0.3/1

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

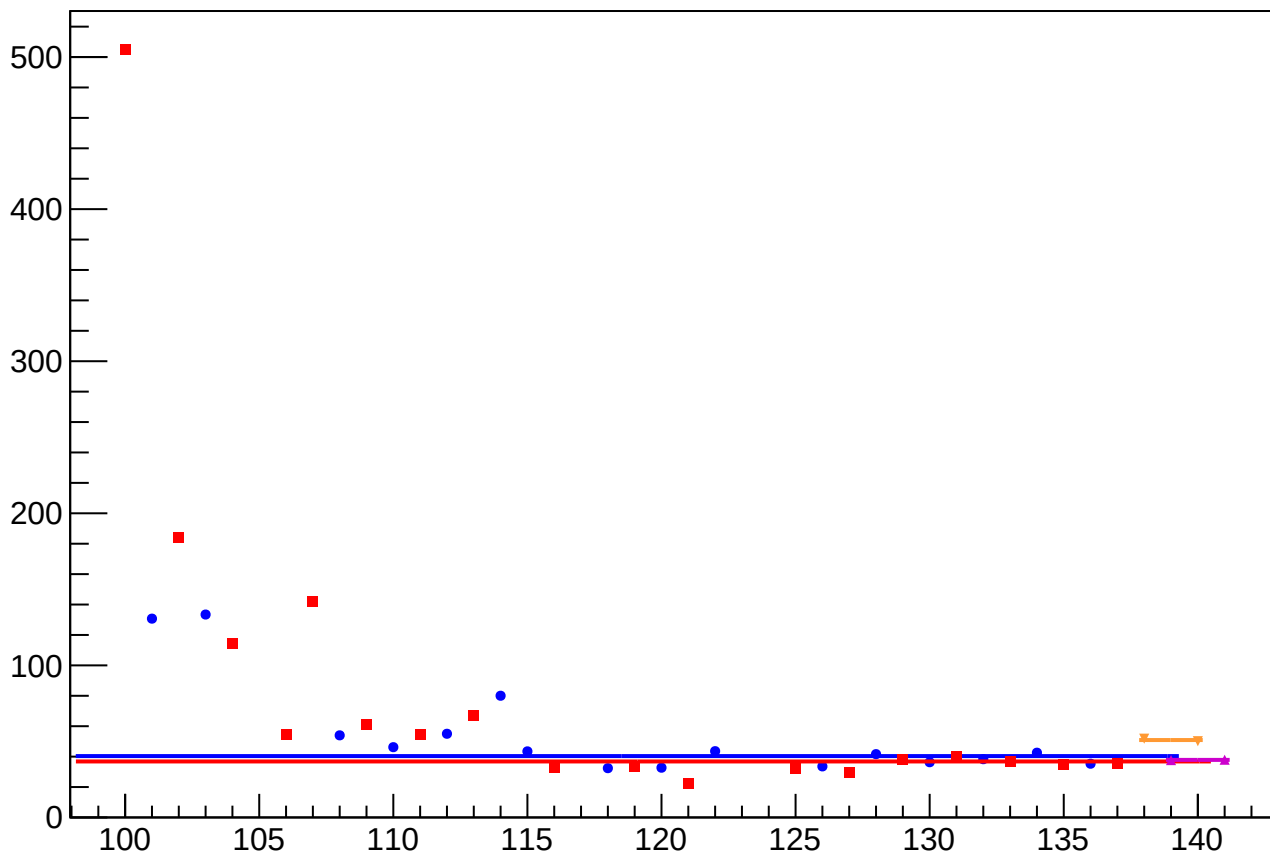
Left In: 0.039 ± 0.031 χ^2/NDF : 2.1/1

+ sign -0.003 ± 0.016 χ^2/NDF : 17.4/17

All: 0.004 ± 0.011 χ^2/NDF : 32.0/37

- sign 0.009 ± 0.015 χ^2/NDF : 14.3/19

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

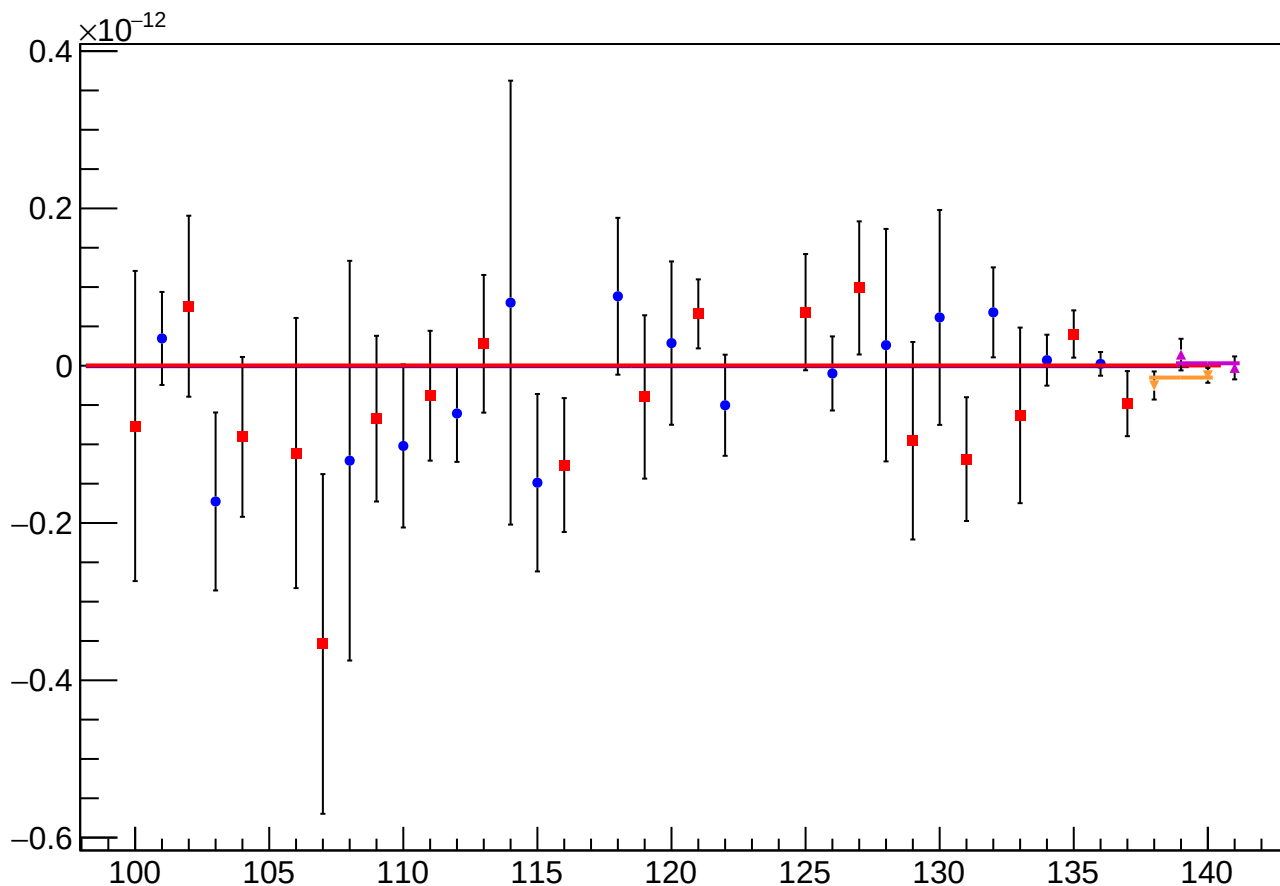
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF: 31.3/1

+ sign 41.804 $\pm$ 0.011 χ^2 /NDF: 1515803.2/17

All: 39.245 $\pm$ 0.008 χ^2 /NDF: 3451303.3/37

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838830.6/19

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

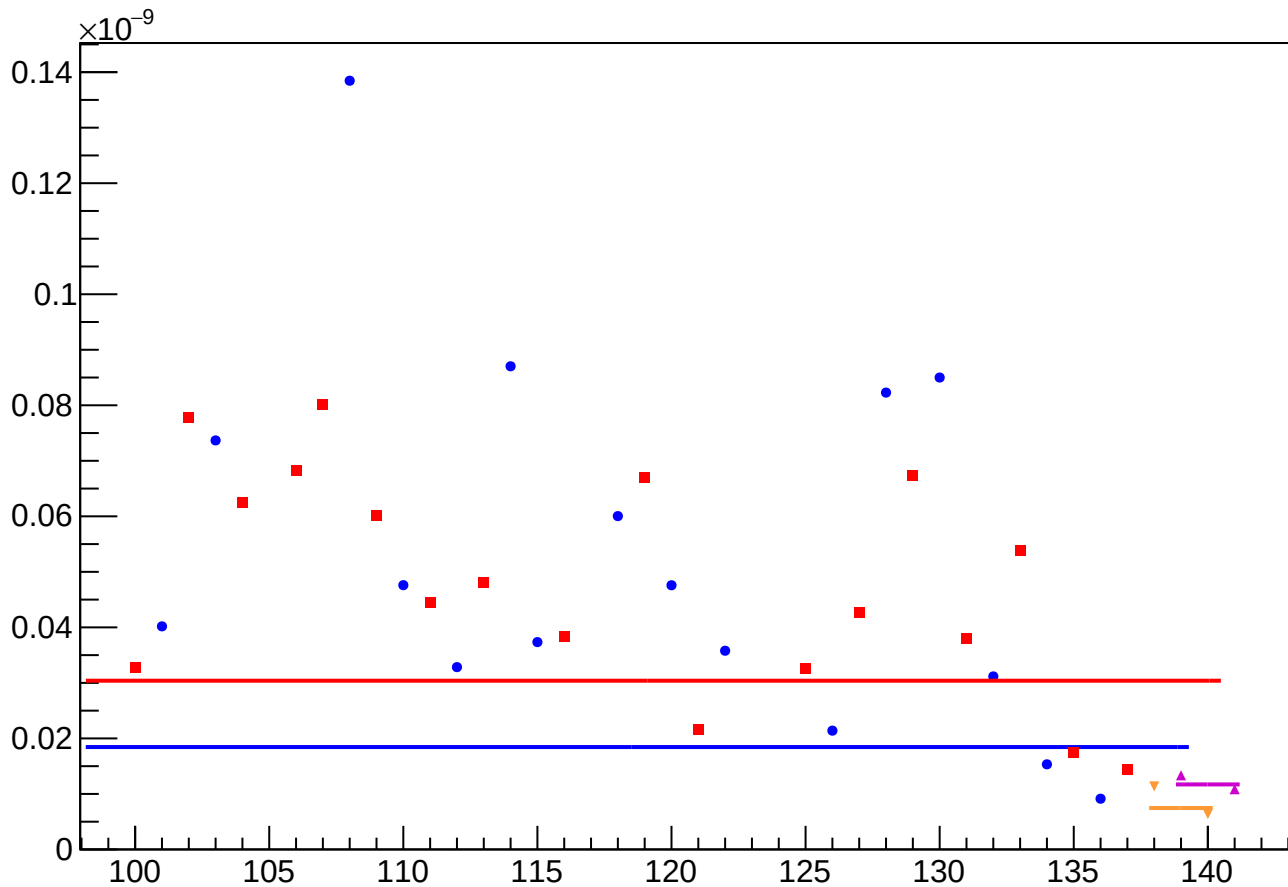
Left In: 0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign -0.000 ± 0.000 χ^2/NDF : 11.3/17

All: -0.000 ± 0.000 χ^2/NDF : 31.2/37

- sign 0.000 ± 0.000 χ^2/NDF : 18.8/19

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4022915.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :121524.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2387224.9/17

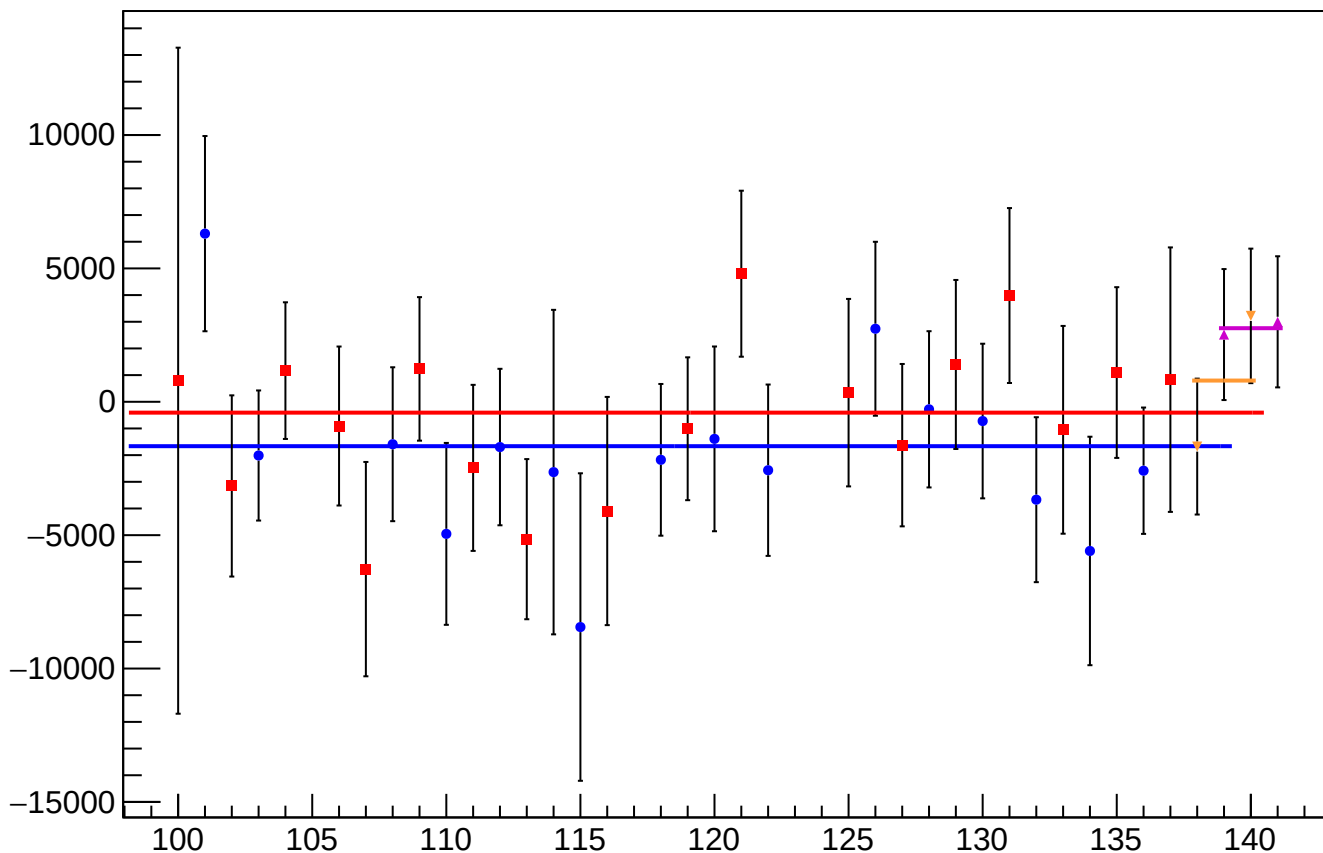
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :20298.9/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5329356.5/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10111865.2/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4107622.6/19

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

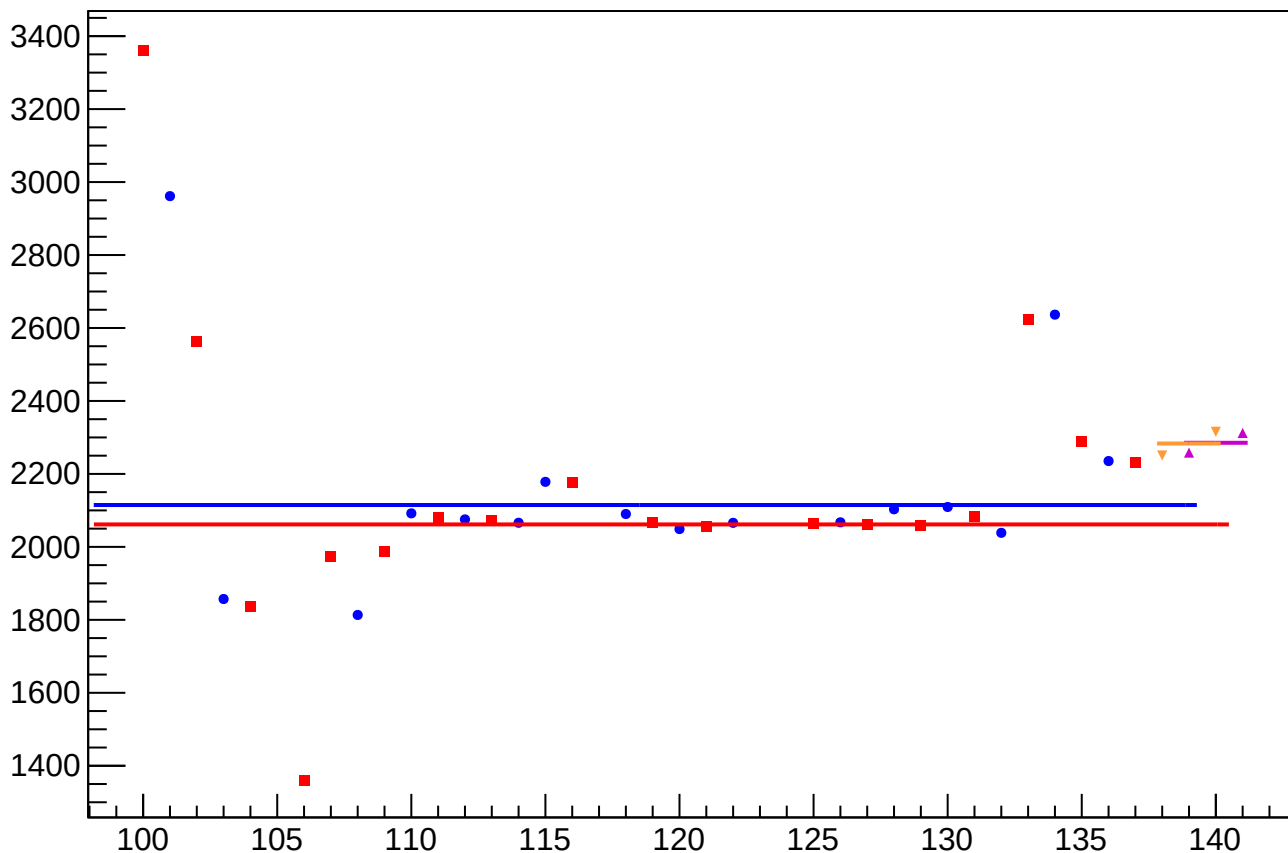
Left In: 2758.695 ± 1737.050 χ^2/NDF : 0.0/1

+ sign -1262.217 ± 724.537 χ^2/NDF : 14.2/17

All: -555.947 ± 506.887 χ^2/NDF : 31.6/37

- sign 121.112 ± 709.395 χ^2/NDF : 15.5/19

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.6/15

Left Out: 2283.352+/-1.267 χ^2/NDF : 657.8/1

Right Out: 2061.560+/-0.550 χ^2/NDF : 249186.6/17

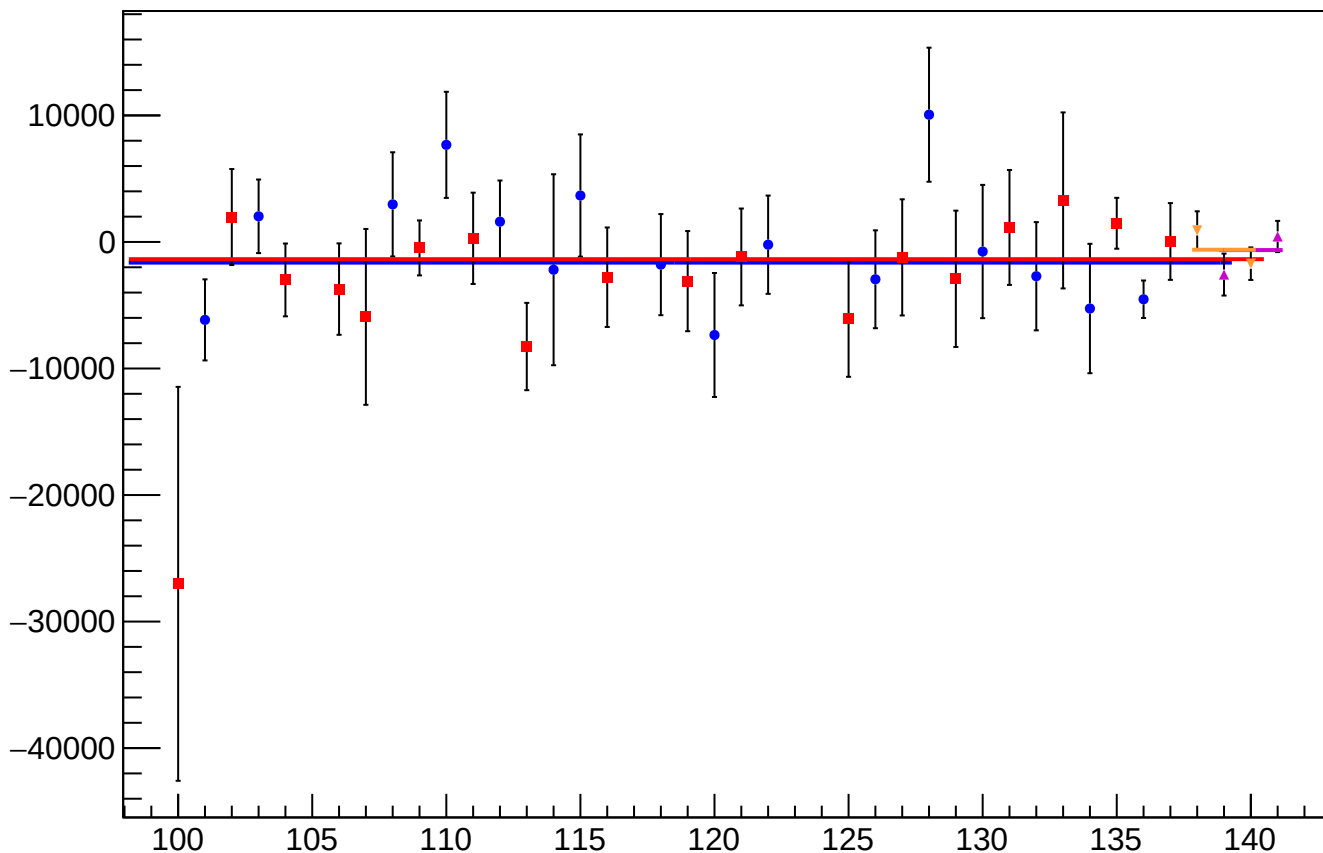
Left In: 2285.337+/-1.228 χ^2/NDF : 481.5/1

+ sign 2142.312+/-0.512 χ^2/NDF : 205386.1/17

All: 2120.139+/-0.358 χ^2/NDF : 486379.5/37

- sign 2098.882+/-0.502 χ^2/NDF : 277324.4/19

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



Right In: -1630.474 $\pm$ 862.417 χ^2 /NDF: 22.9/15

Left Out: -613.579 $\pm$ 979.231 χ^2 /NDF:1.8/1

Right Out: -1361.841 $\pm$ 840.417 χ^2 /NDF: 13.5/17

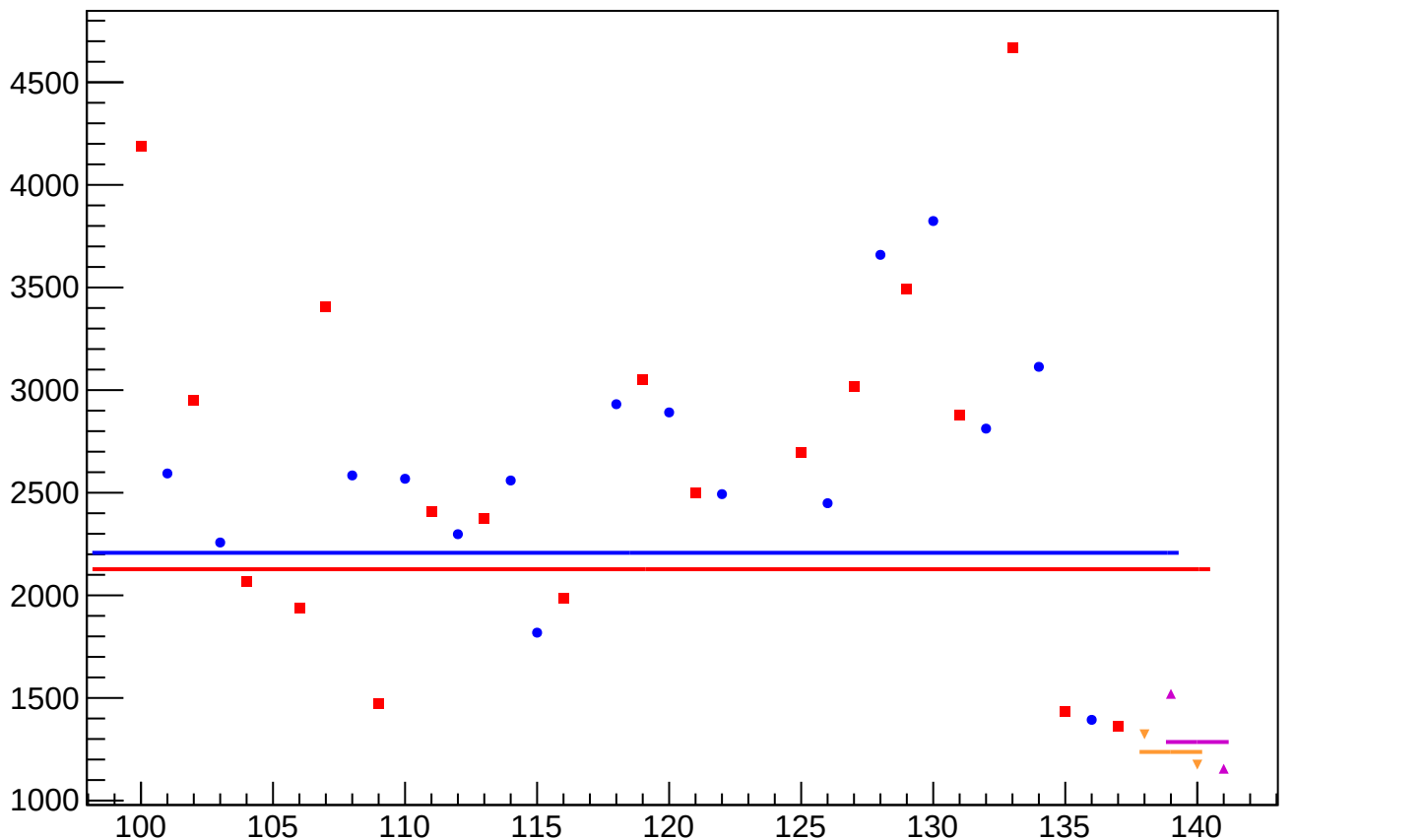
Left In: -641.736 $\pm$ 989.131 χ^2 /NDF:2.1/1

+ sign -1186.269 $\pm$ 647.201 χ^2 /NDF: 25.2/17

All: -1122.441 $\pm$ 455.237 χ^2 /NDF: 41.1/37

- sign -1059.937 $\pm$ 640.457 χ^2 /NDF: 15.9/19

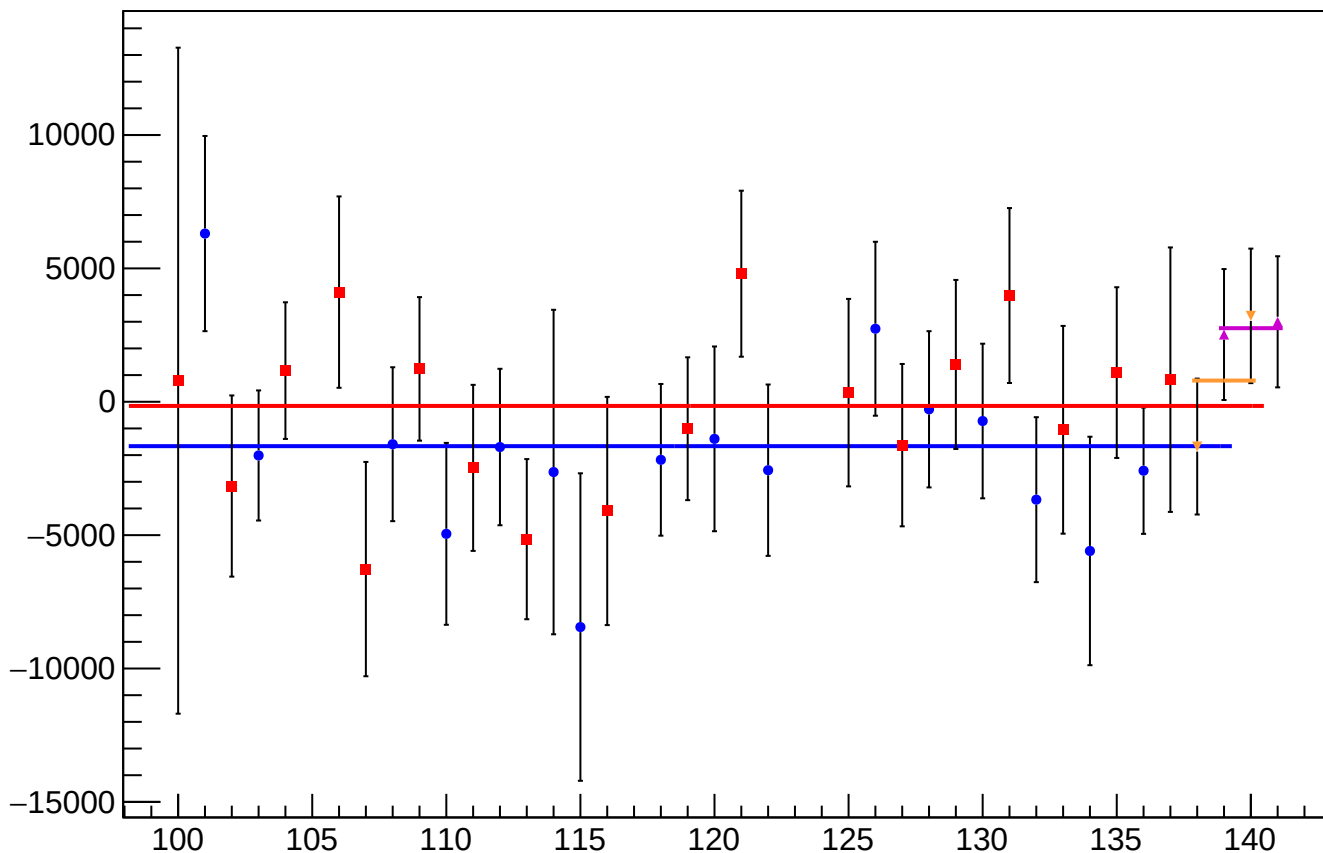
asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF : 1249266.5/15
 Left Out: 1237.011+/-0.692 χ^2/NDF : 11097.2/1
 Right Out: 2127.224+/-0.594 χ^2/NDF : 1458046.9/17
 Left In: 1285.400+/-0.699 χ^2/NDF : 62476.7/1

+ sign 1783.427+/-0.458 χ^2/NDF : 2366131.6/17
 All: 1778.811+/-0.322 χ^2/NDF : 4728163.6/37
 - sign 1774.290+/-0.453 χ^2/NDF : 2361830.5/19

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231 ± 792.164 χ^2/NDF : 10.8/15

Left Out: 795.820 ± 1792.112 χ^2/NDF : 1.9/1

Right Out: -155.775 ± 785.481 χ^2/NDF : 14.2/17

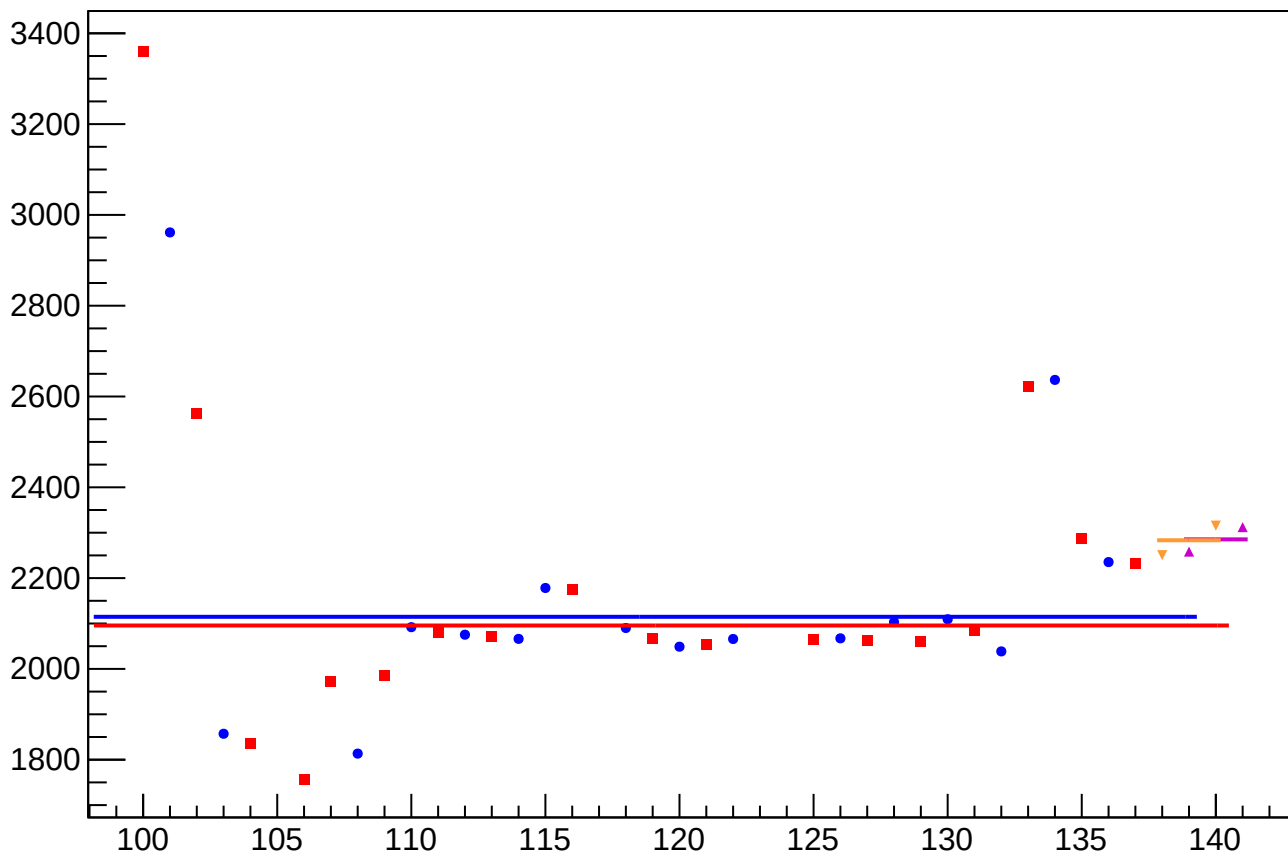
Left In: 2758.996 ± 1737.050 χ^2/NDF : 0.0/1

+ sign -1262.130 ± 724.537 χ^2/NDF : 14.2/17

All: -451.726 ± 509.175 χ^2/NDF : 33.3/37

- sign 339.051 ± 715.709 χ^2/NDF : 16.6/19

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755 $\pm$ 0.560 χ^2 /NDF: 189920.9/15

Left Out: 2283.352 $\pm$ 1.267 χ^2 /NDF: 657.8/1

Right Out: 2095.597 $\pm$ 0.555 χ^2 /NDF: 149360.5/17

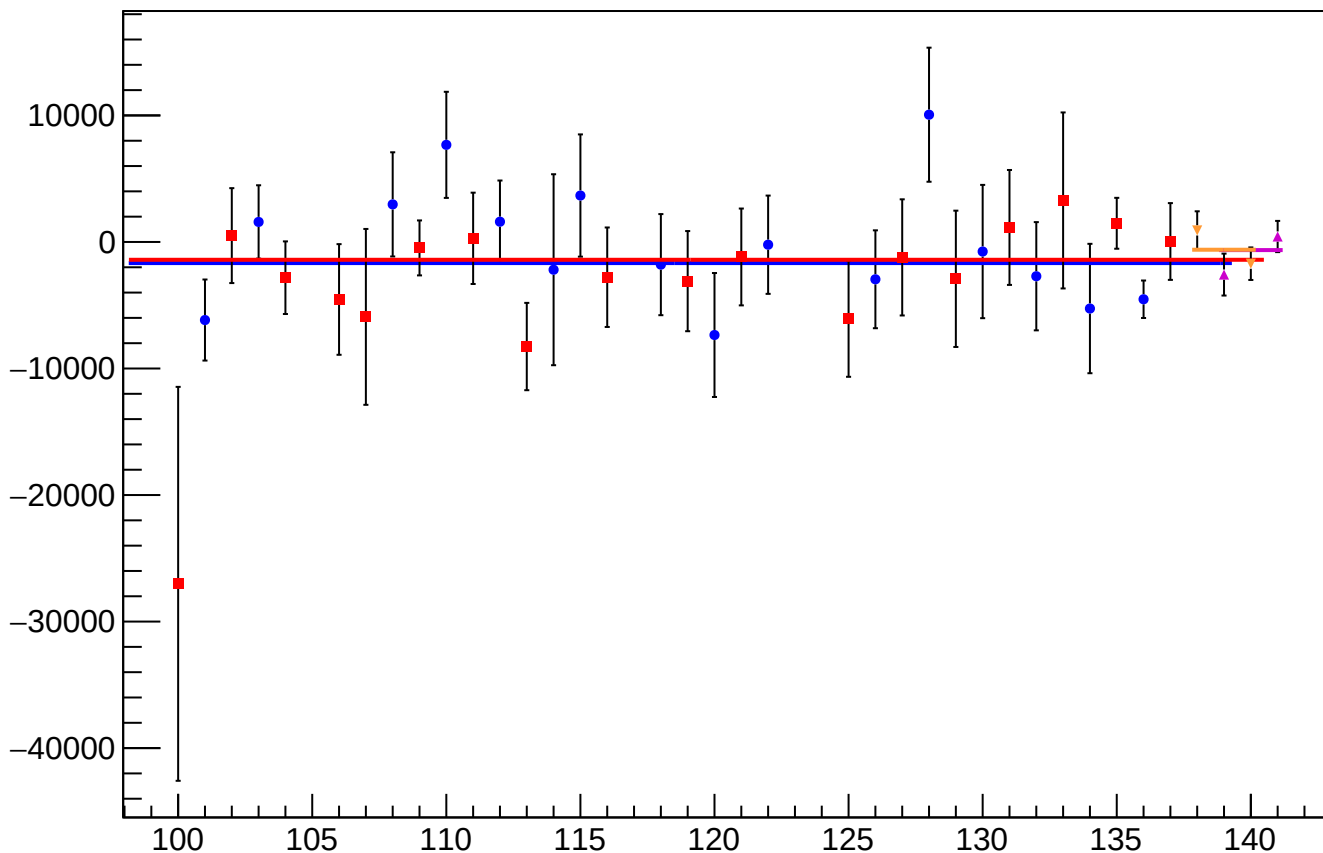
Left In: 2285.337 $\pm$ 1.228 χ^2 /NDF: 481.5/1

+ sign 2142.312 $\pm$ 0.512 χ^2 /NDF: 205386.4/17

All: 2134.971 $\pm$ 0.360 χ^2 /NDF: 375445.9/37

- sign 2127.808 $\pm$ 0.506 χ^2 /NDF: 169653.8/19

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -1668.482 ± 862.126 χ^2/NDF : 22.5/15

Left Out: -613.842 ± 979.242 χ^2/NDF : 1.8/1

Right Out: -1407.975 ± 847.068 χ^2/NDF : 13.0/17

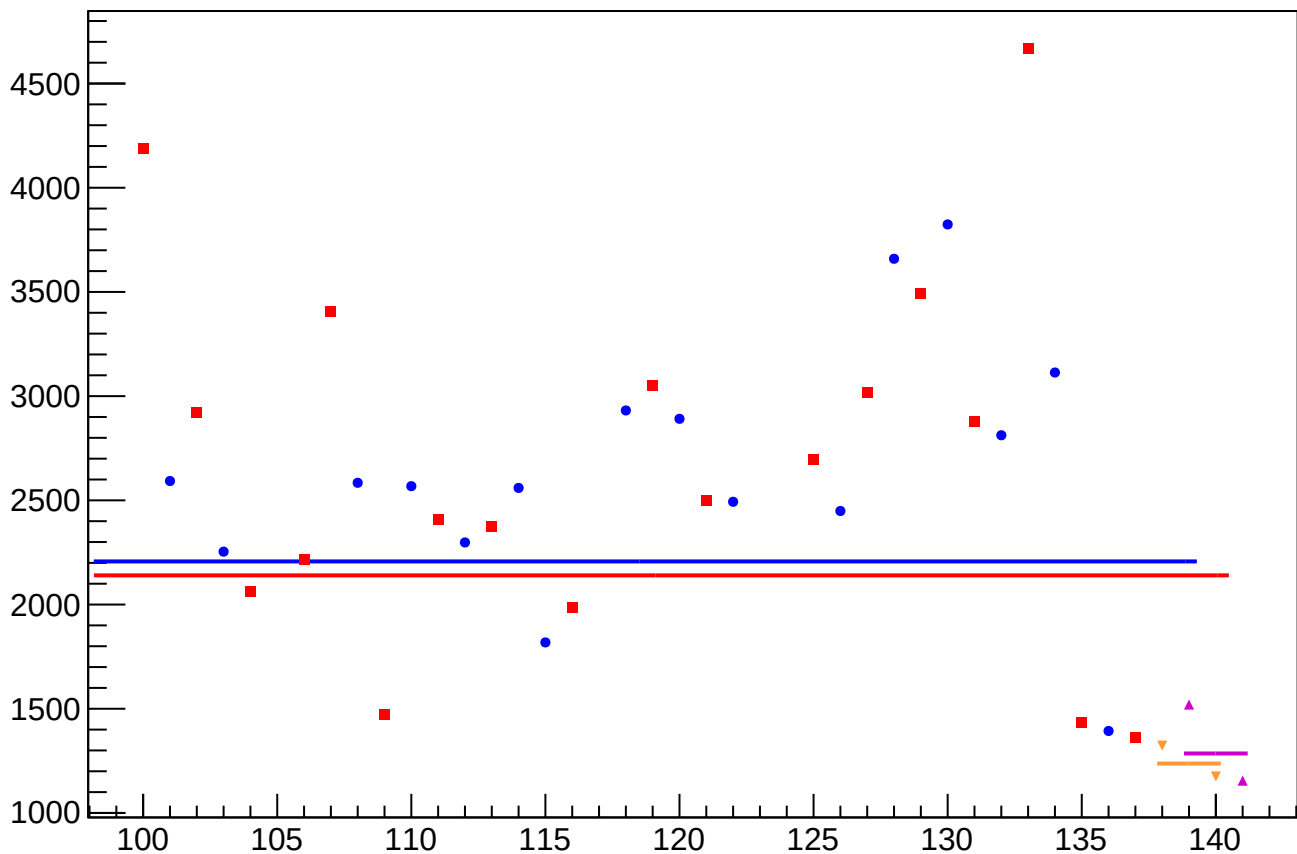
Left In: -641.880 ± 989.112 χ^2/NDF : 2.1/1

+ sign -1207.970 ± 647.081 χ^2/NDF : 24.9/17

All: -1145.548 ± 456.241 χ^2/NDF : 40.4/37

- sign -1083.839 ± 643.381 χ^2/NDF : 15.4/19

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

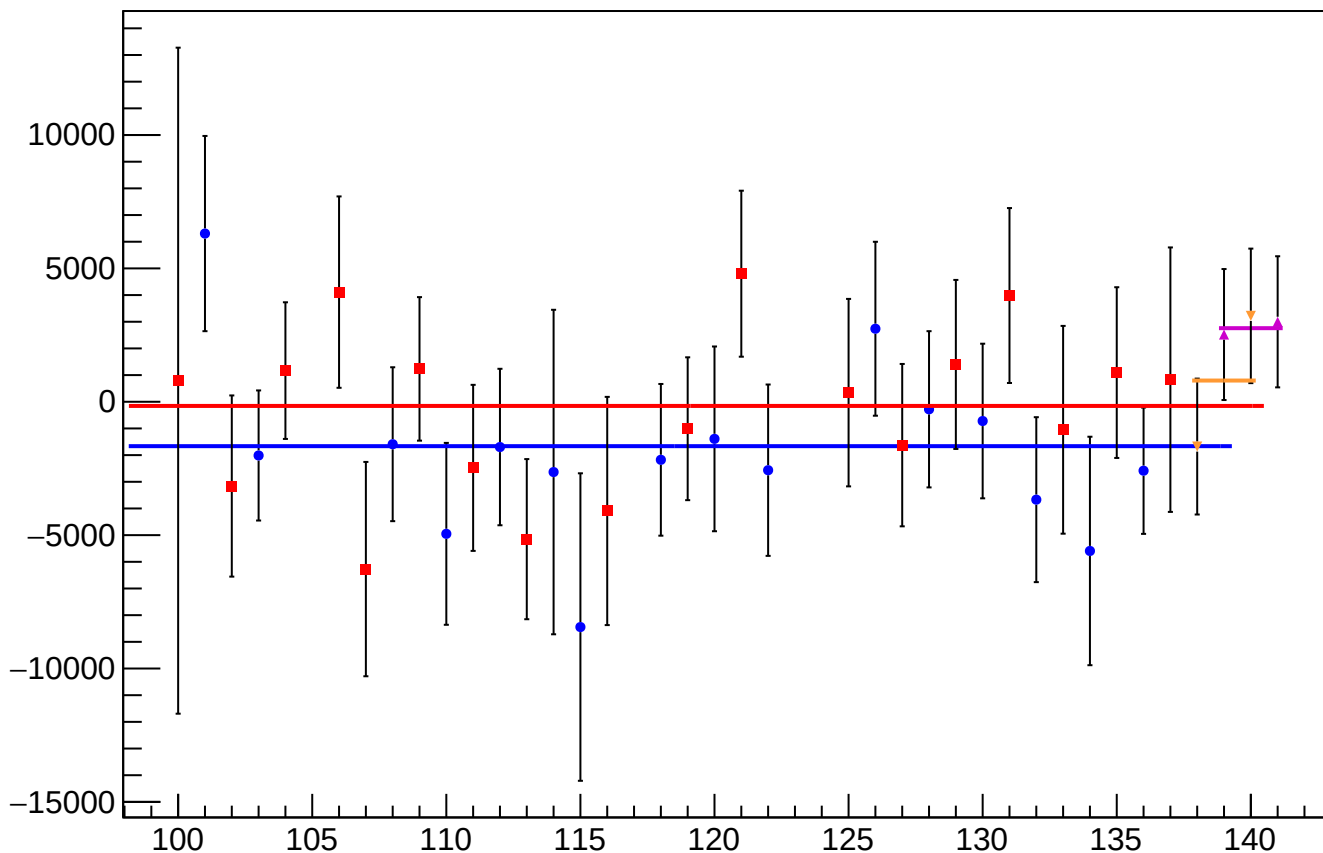
Left In: 1285.373 $\pm$ 0.699 χ^2 /NDF: 62491.4/1

+ sign 1783.411 $\pm$ 0.458 χ^2 /NDF: 2365396.1/17

All: 1780.911 $\pm$ 0.323 χ^2 /NDF: 4737807.4/37

- sign 1778.440 $\pm$ 0.455 χ^2 /NDF: 2372352.0/19

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

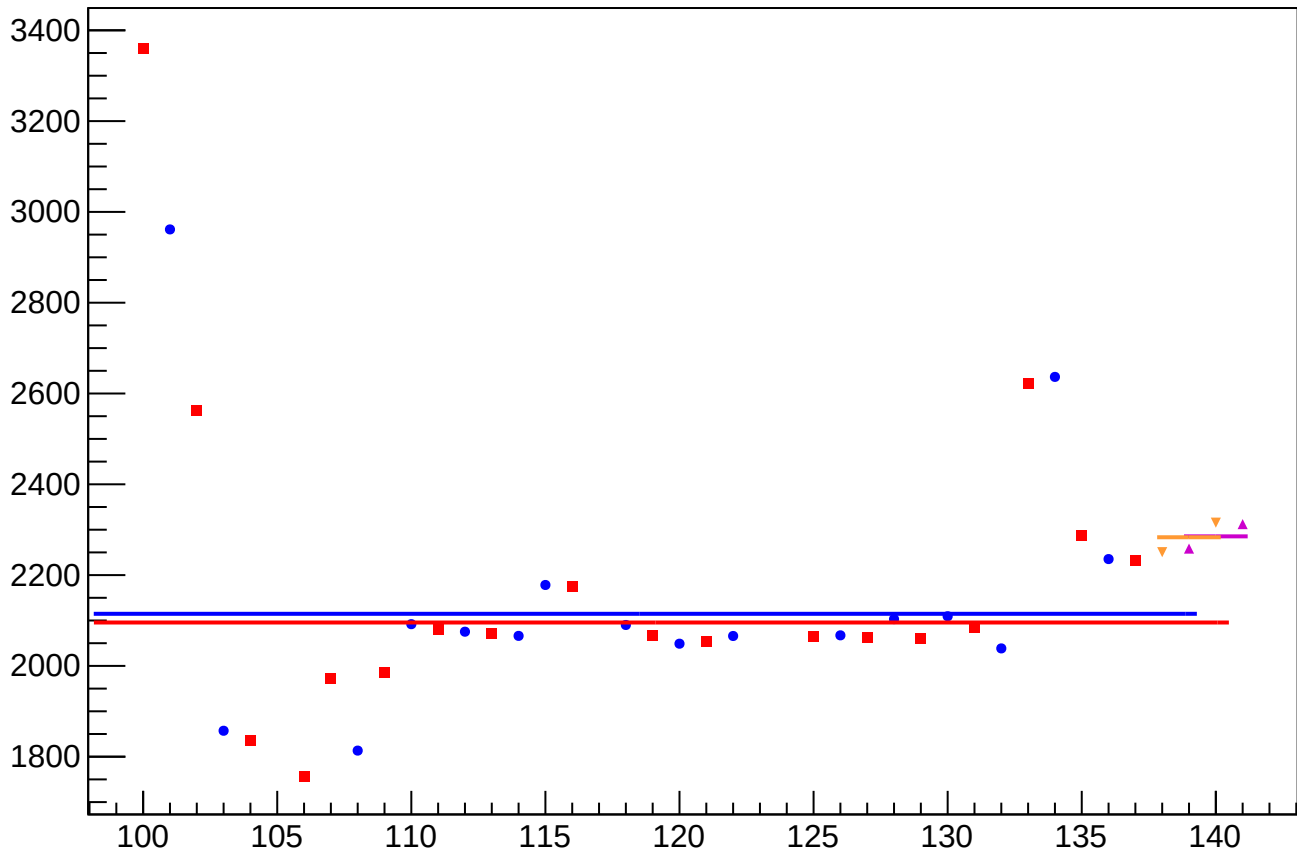
Left In: 2758.996 ± 1737.050 χ^2/NDF : 0.0/1

+ sign -1262.130 ± 724.537 χ^2/NDF : 14.2/17

All: -451.726 ± 509.175 χ^2/NDF : 33.3/37

- sign 339.051 ± 715.709 χ^2/NDF : 16.6/19

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.9/15

Left Out: 2283.352+/-1.267 χ^2/NDF : 657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF : 149360.5/17

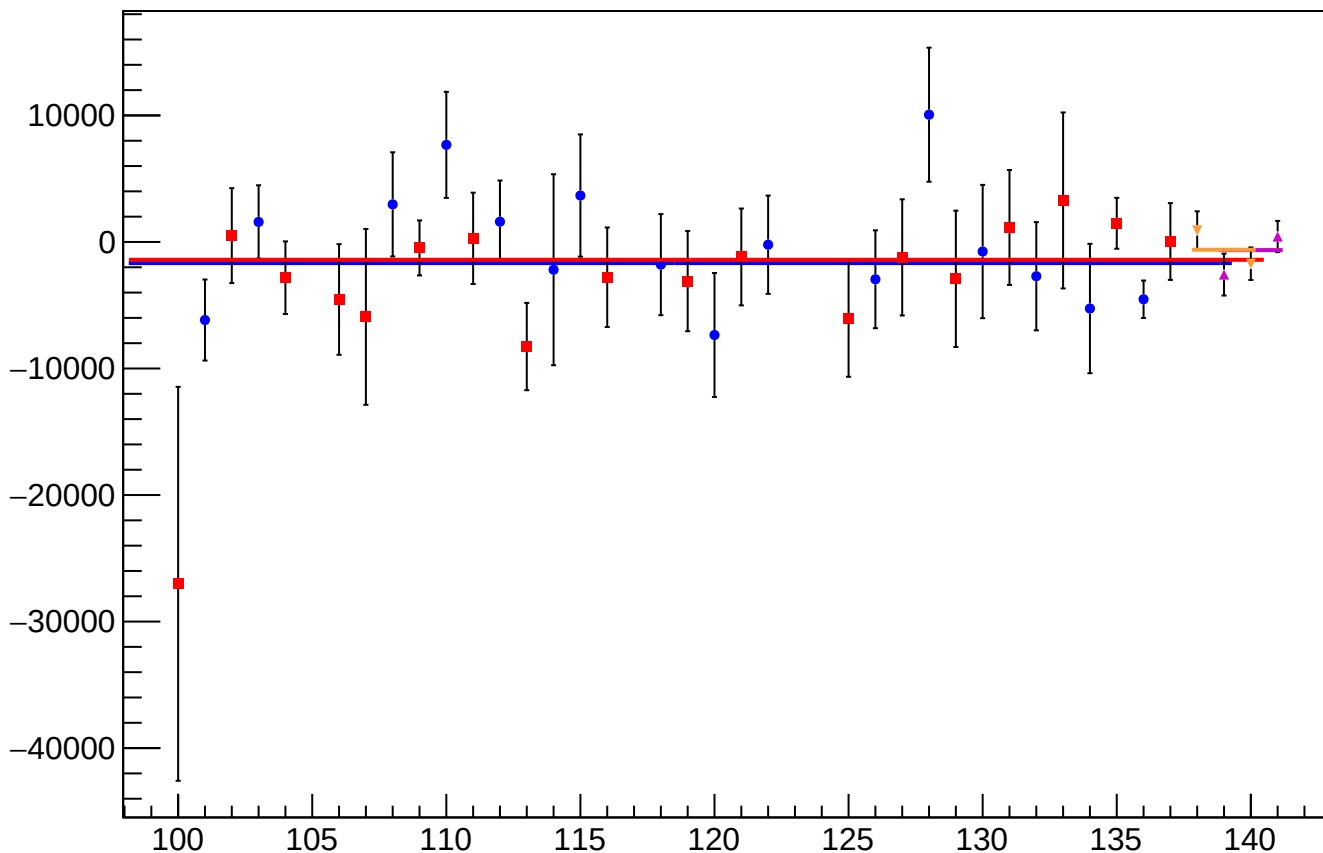
Left In: 2285.337+/-1.228 χ^2/NDF : 481.5/1

+ sign 2142.312+/-0.512 χ^2/NDF : 205386.4/17

All: 2134.971+/-0.360 χ^2/NDF : 375445.9/37

- sign 2127.808+/-0.506 χ^2/NDF : 169653.8/19

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -1668.482 ± 862.126 χ^2/NDF : 22.5/15

Left Out: -613.842 ± 979.242 χ^2/NDF : 1.8/1

Right Out: -1407.975 ± 847.068 χ^2/NDF : 13.0/17

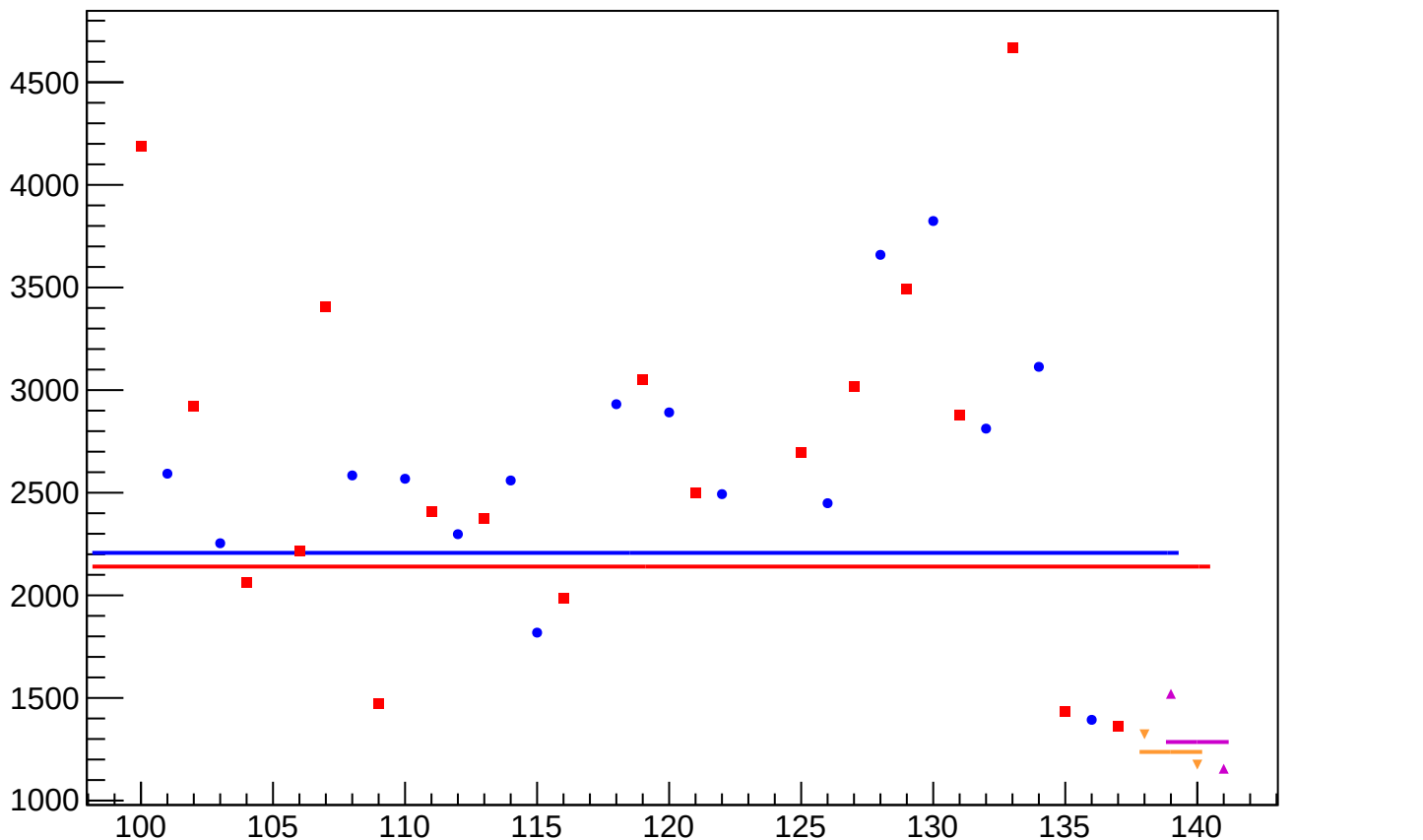
Left In: -641.880 ± 989.112 χ^2/NDF : 2.1/1

+ sign -1207.970 ± 647.081 χ^2/NDF : 24.9/17

All: -1145.548 ± 456.241 χ^2/NDF : 40.4/37

- sign -1083.839 ± 643.381 χ^2/NDF : 15.4/19

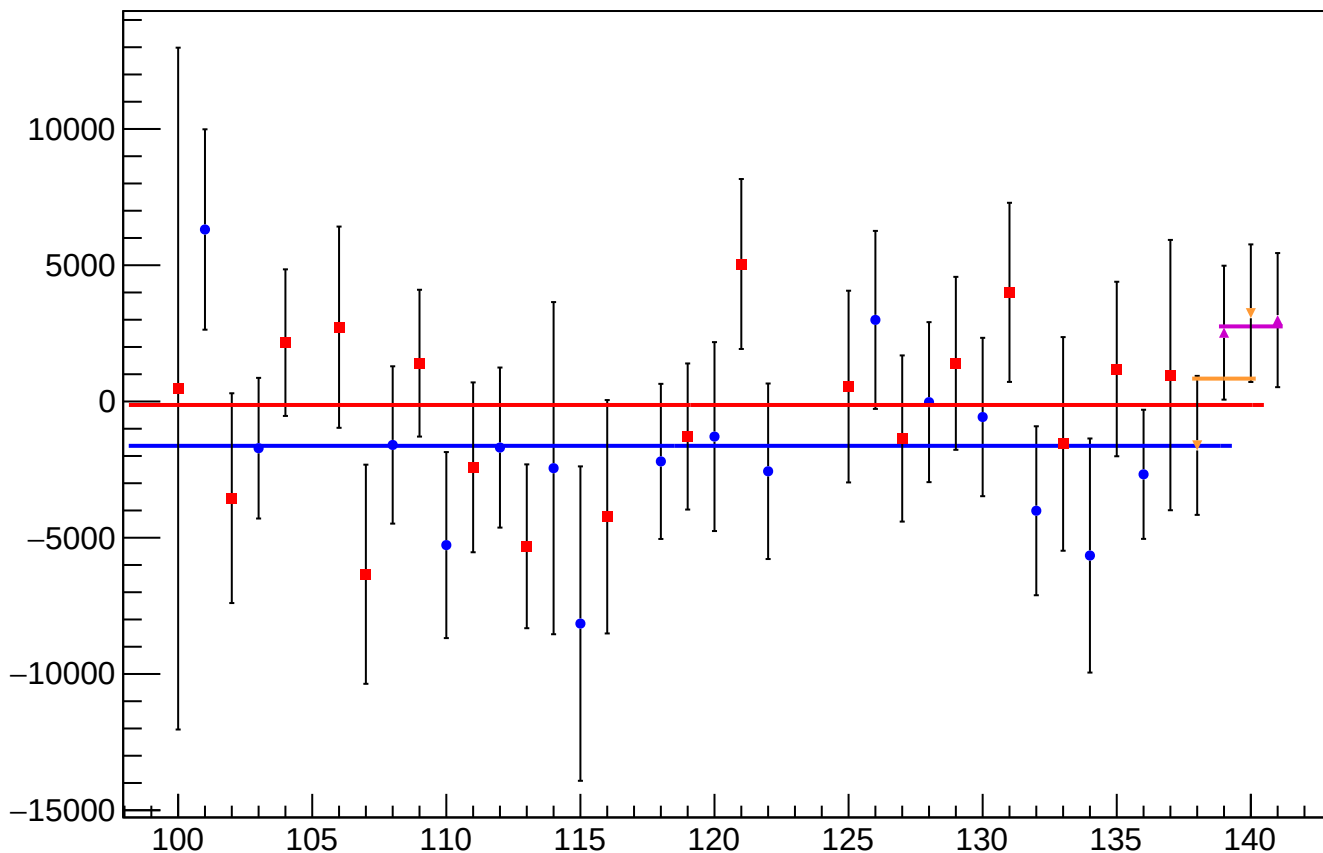
asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2206.918 ± 0.610 $\chi^2/\text{NDF}: 1249024.4/15$
 Left Out: 1237.026 ± 0.692 $\chi^2/\text{NDF}: 11091.6/1$
 Right Out: 2140.060 ± 0.599 $\chi^2/\text{NDF}: 1448366.8/17$
 Left In: 1285.373 ± 0.699 $\chi^2/\text{NDF}: 62491.4/1$

+ sign 1783.411 ± 0.458 $\chi^2/\text{NDF}: 2365396.1/17$
 All: 1780.911 ± 0.323 $\chi^2/\text{NDF}: 4737807.4/37$
 - sign 1778.440 ± 0.455 $\chi^2/\text{NDF}: 2372352.0/19$

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

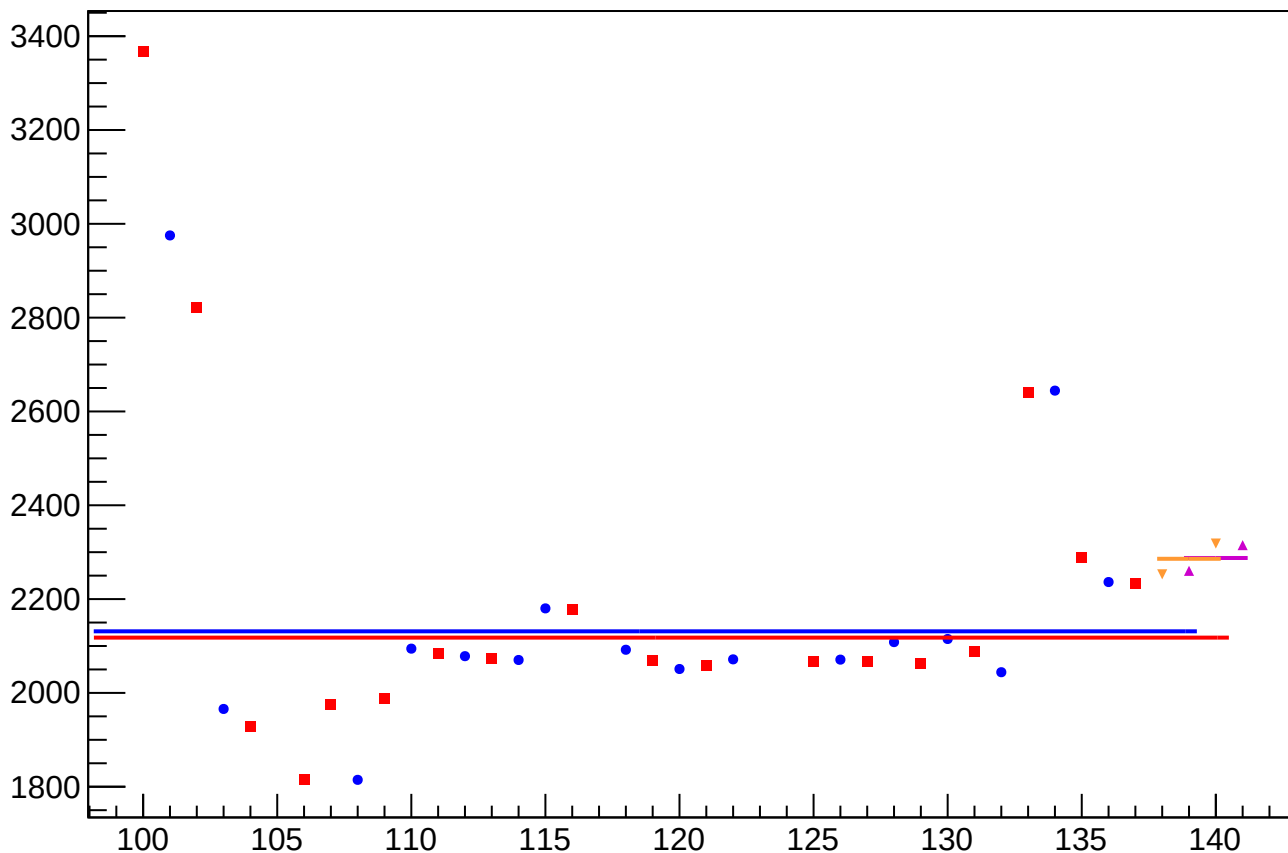
Left In: 2755.207 ± 1738.804 χ^2/NDF : 0.0/1

+ sign -1220.281 ± 729.104 χ^2/NDF : 14.7/17

All: -418.533 ± 513.629 χ^2/NDF : 34.0/37

- sign 371.353 ± 723.690 χ^2/NDF : 16.8/19

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298 $\pm$ 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

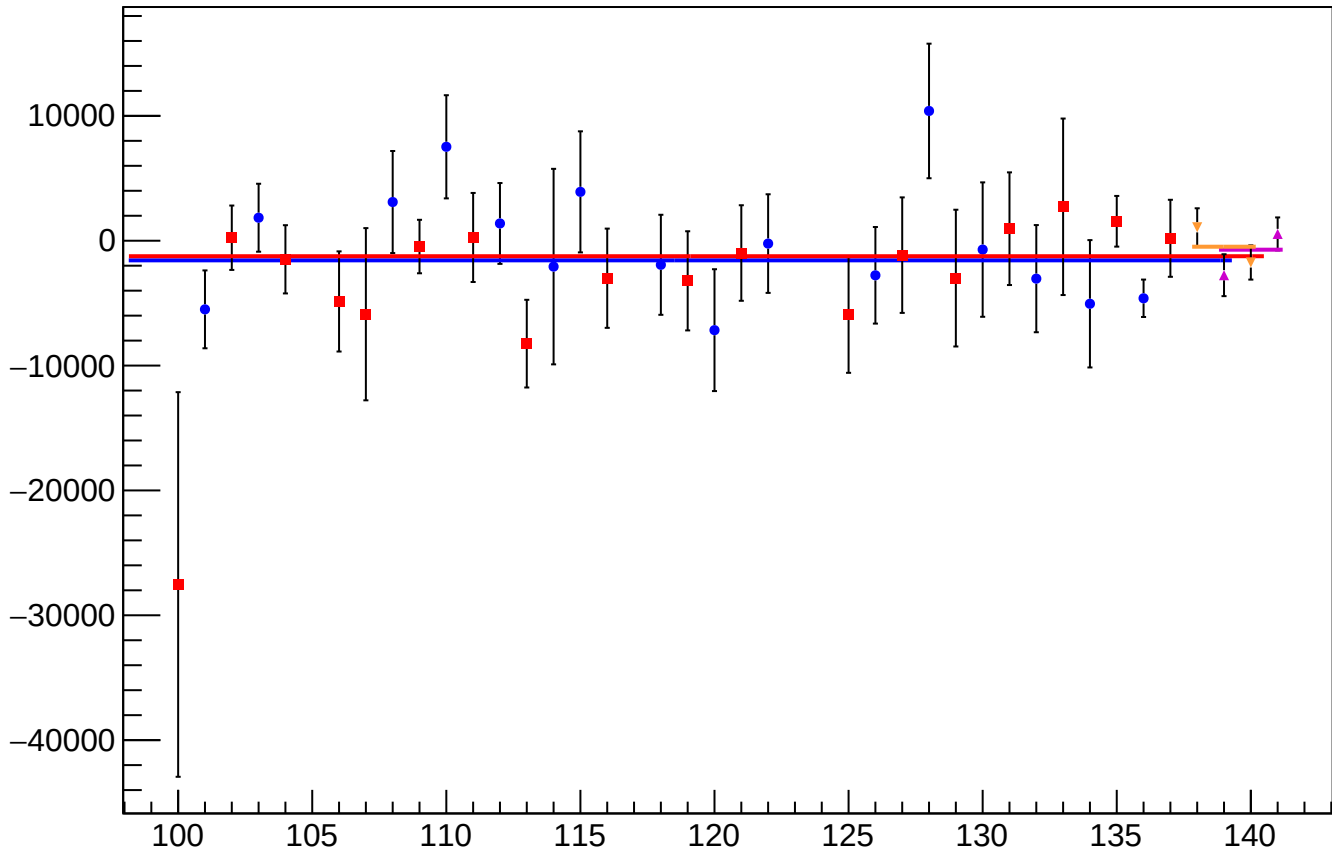
Left In: 2287.614 $\pm$ 1.230 χ^2 /NDF: 496.5/1

+ sign 2156.832 $\pm$ 0.516 χ^2 /NDF: 189011.4/17

All: 2152.016 $\pm$ 0.363 χ^2 /NDF: 369062.6/37

- sign 2147.271 $\pm$ 0.512 χ^2 /NDF: 179878.0/19

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -1571.073 $\pm$ 859.754 χ^2 /NDF: 22.6/15

Left Out: -479.892 $\pm$ 1019.842 χ^2 /NDF:1.9/1

Right Out: -1241.008 $\pm$ 819.775 χ^2 /NDF: 13.1/17

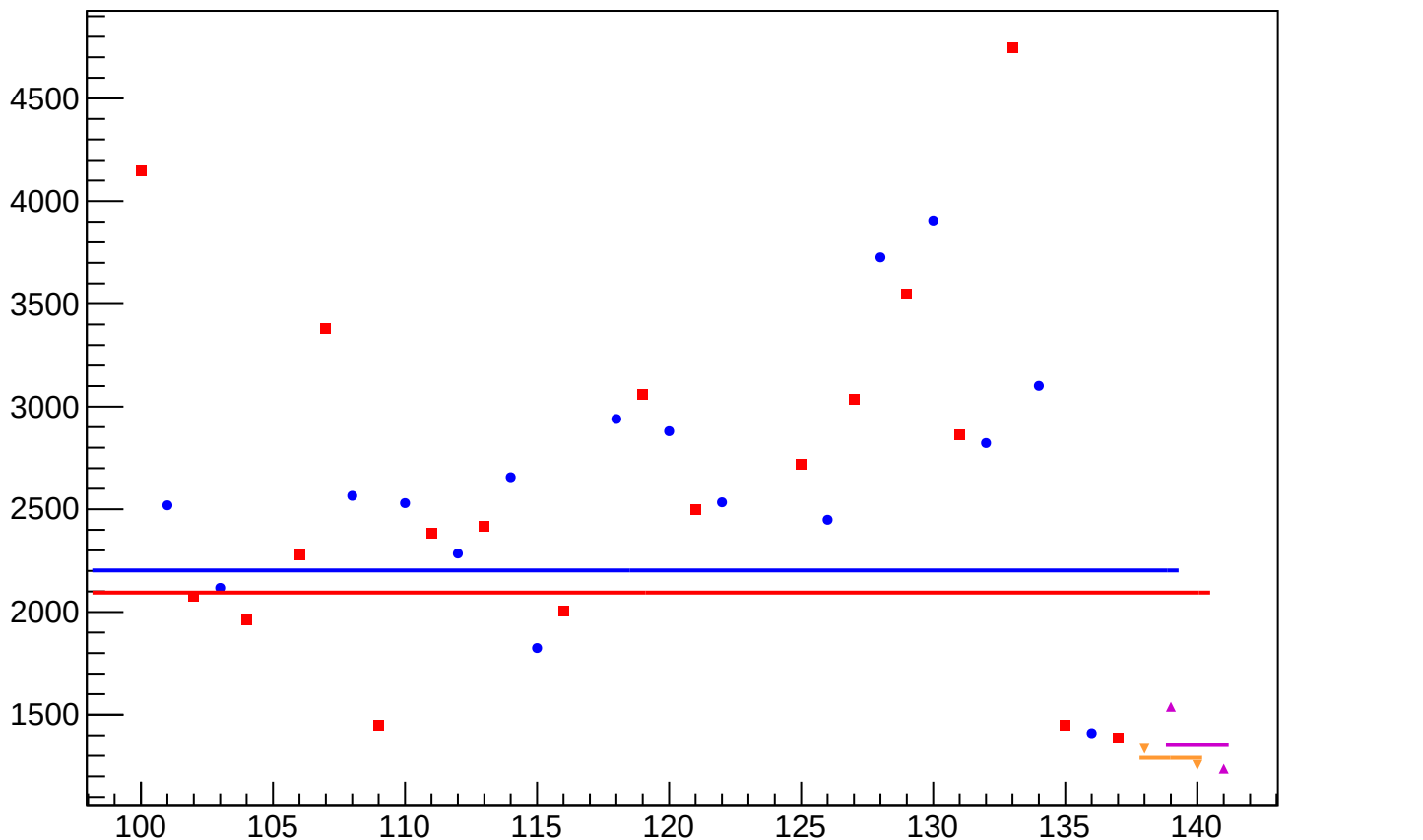
Left In: -718.593 $\pm$ 1037.432 χ^2 /NDF:2.4/1

+ sign -1117.750 $\pm$ 657.337 χ^2 /NDF: 25.2/17

All: -1078.130 $\pm$ 459.728 χ^2 /NDF: 40.8/37

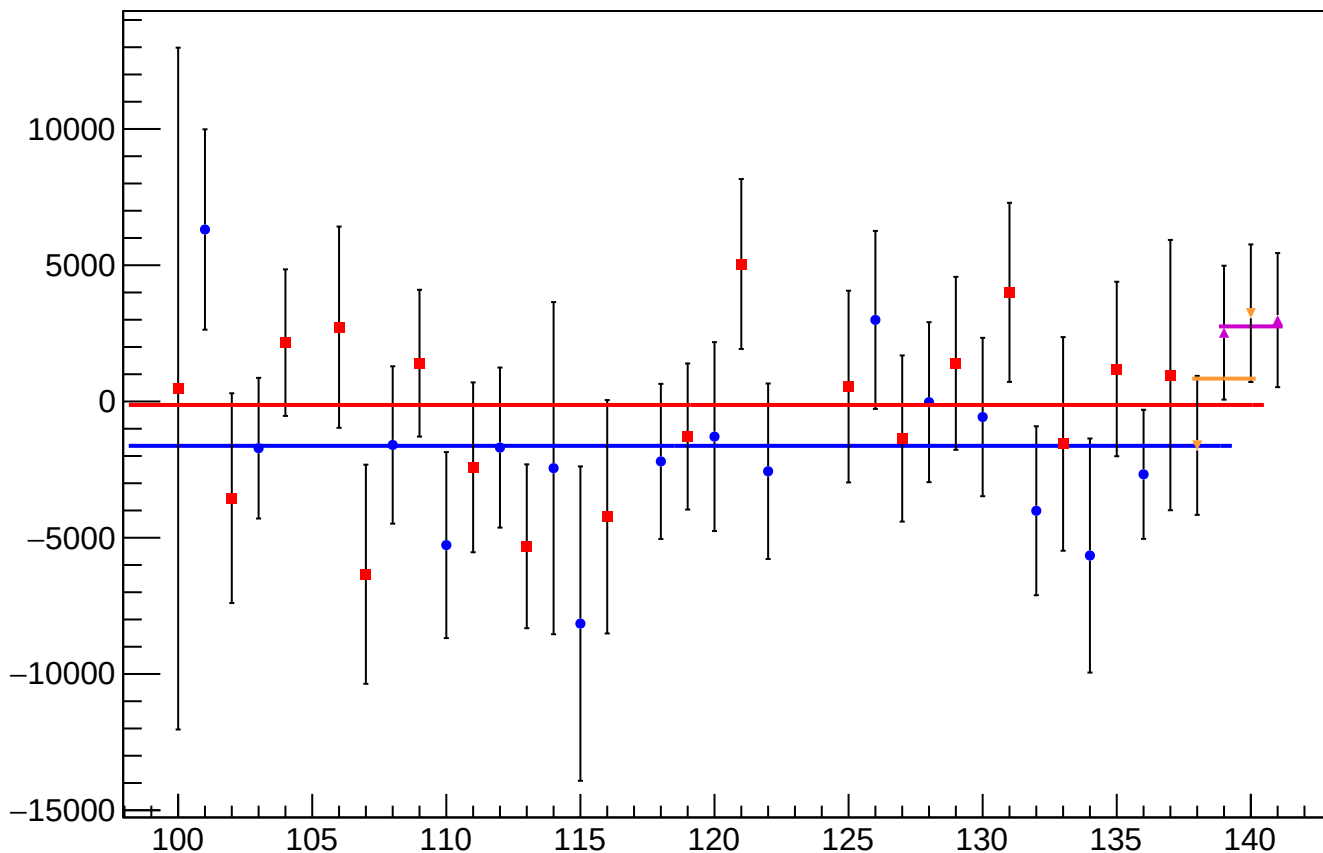
- sign -1040.196 $\pm$ 643.201 χ^2 /NDF: 15.6/19

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378 $\pm$ 0.608 χ^2 /NDF: 1222965.0/15
 Left Out: 1290.395 $\pm$ 0.721 χ^2 /NDF: 2968.6/1
 Right Out: 2094.445 $\pm$ 0.580 χ^2 /NDF: 1373676.8/17
 Left In: 1352.550 $\pm$ 0.734 χ^2 /NDF: 39851.9/1
 + sign 1823.502 $\pm$ 0.465 χ^2 /NDF: 2160835.7/17
 All: 1816.230 $\pm$ 0.325 χ^2 /NDF: 4204494.8/37
 - sign 1809.266 $\pm$ 0.455 χ^2 /NDF: 2043179.9/19

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

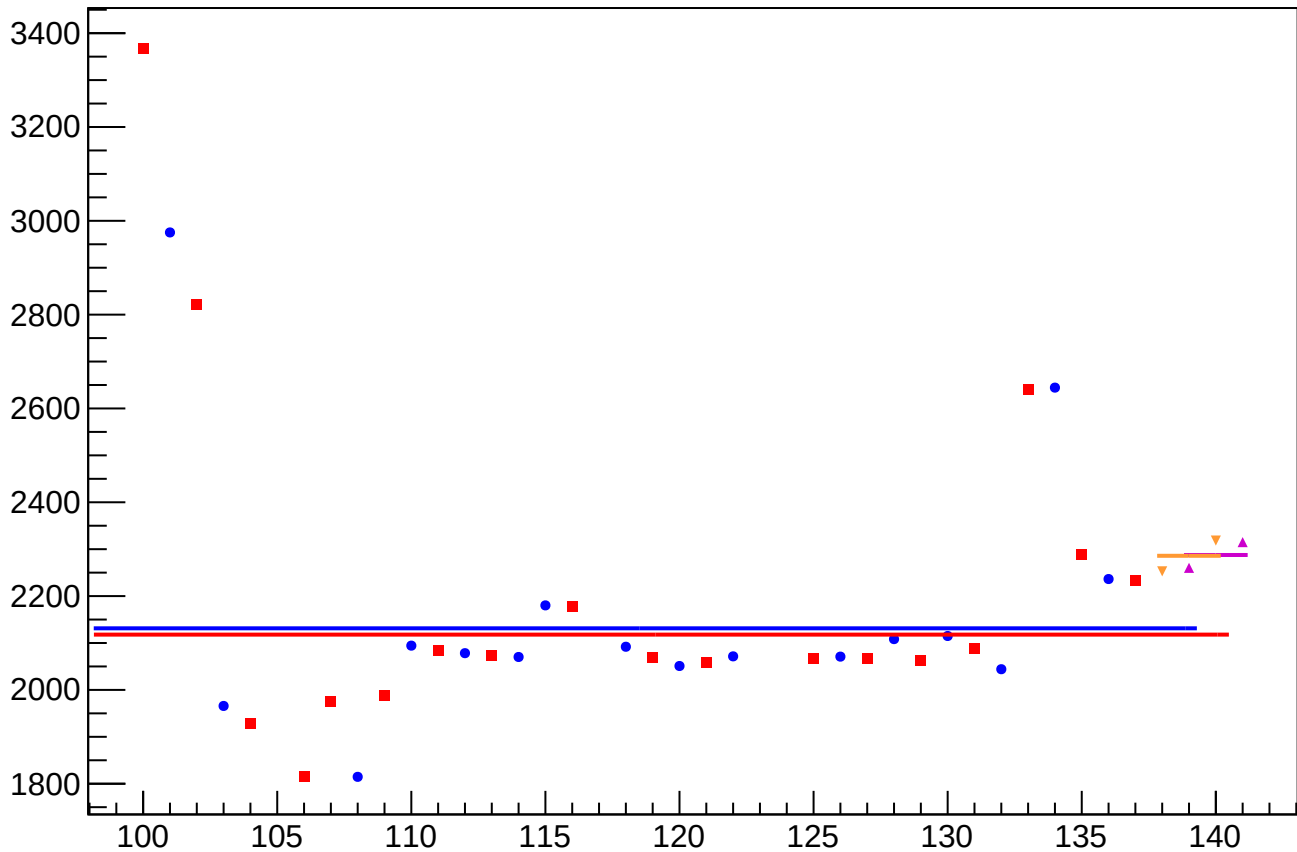
Left In: 2755.184 ± 1738.805 χ^2/NDF : 0.0/1

+ sign -1220.280 ± 729.104 χ^2/NDF : 14.7/17

All: -418.532 ± 513.629 χ^2/NDF : 34.0/37

- sign 371.354 ± 723.690 χ^2/NDF : 16.8/19

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298 $\pm$ 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

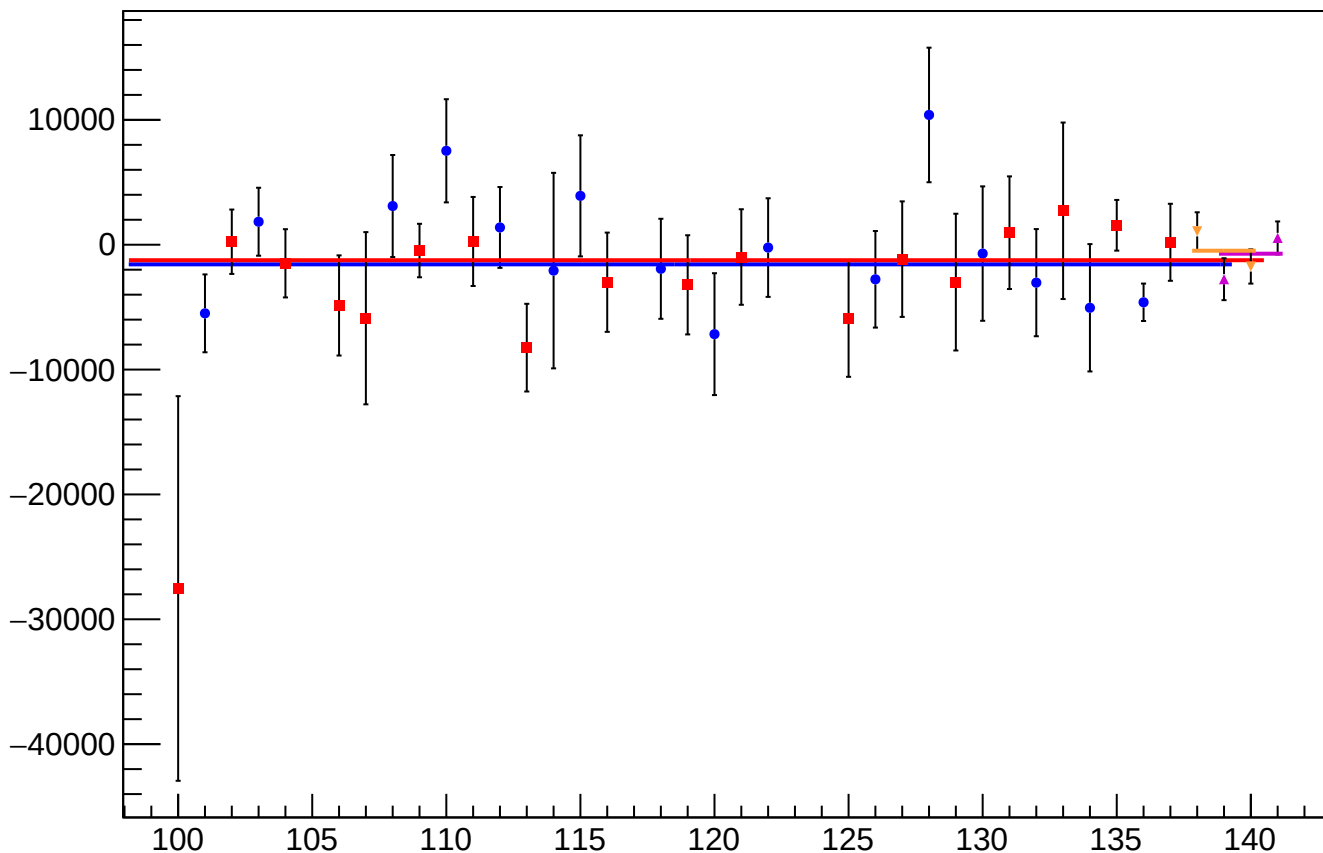
Left In: 2287.614 $\pm$ 1.230 χ^2 /NDF: 496.5/1

+ sign 2156.832 $\pm$ 0.516 χ^2 /NDF: 189011.4/17

All: 2152.016 $\pm$ 0.363 χ^2 /NDF: 369062.5/37

- sign 2147.271 $\pm$ 0.512 χ^2 /NDF: 179877.9/19

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

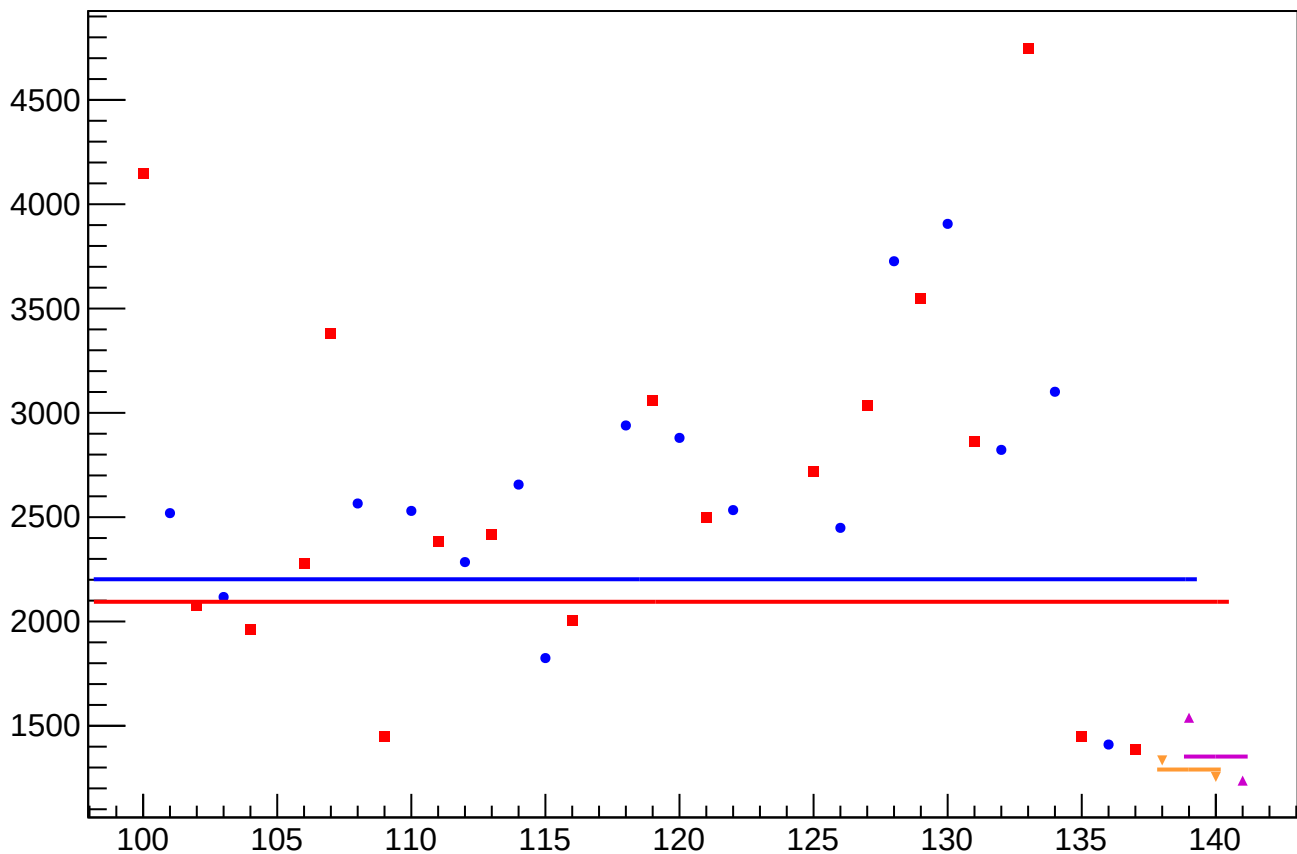
Left In: -718.585 $\pm$ 1037.442 χ^2 /NDF:2.4/1

+ sign -1117.751 $\pm$ 657.341 χ^2 /NDF: 25.2/17

All: -1078.135 $\pm$ 459.731 χ^2 /NDF: 40.8/37

- sign -1040.203 $\pm$ 643.205 χ^2 /NDF: 15.6/19

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

Right Out: 2094.457+/-0.580 χ^2/NDF : 1373629.6/17

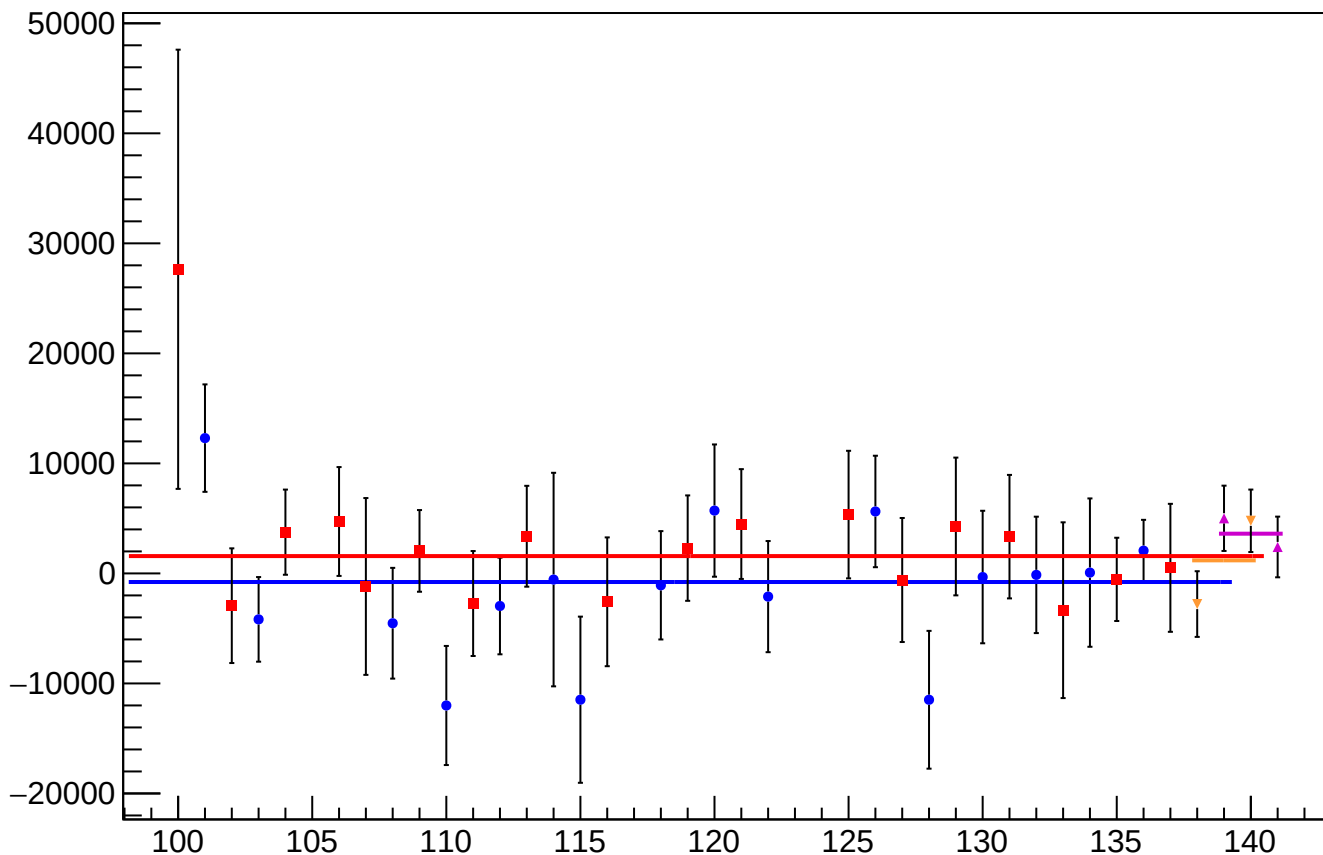
Left In: 1352.562+/-0.734 χ^2/NDF : 39857.5/1

+ sign 1823.520+/-0.465 χ^2/NDF : 2160756.0/17

All: 1816.245+/-0.325 χ^2/NDF : 4204364.8/37

- sign 1809.281+/-0.455 χ^2/NDF : 2043129.3/19

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619 ± 1241.711 χ^2/NDF : 21.9/15

Left Out: 1187.542 ± 2057.026 χ^2/NDF : 3.4/1

Right Out: 1574.673 ± 1218.961 χ^2/NDF : 6.7/17

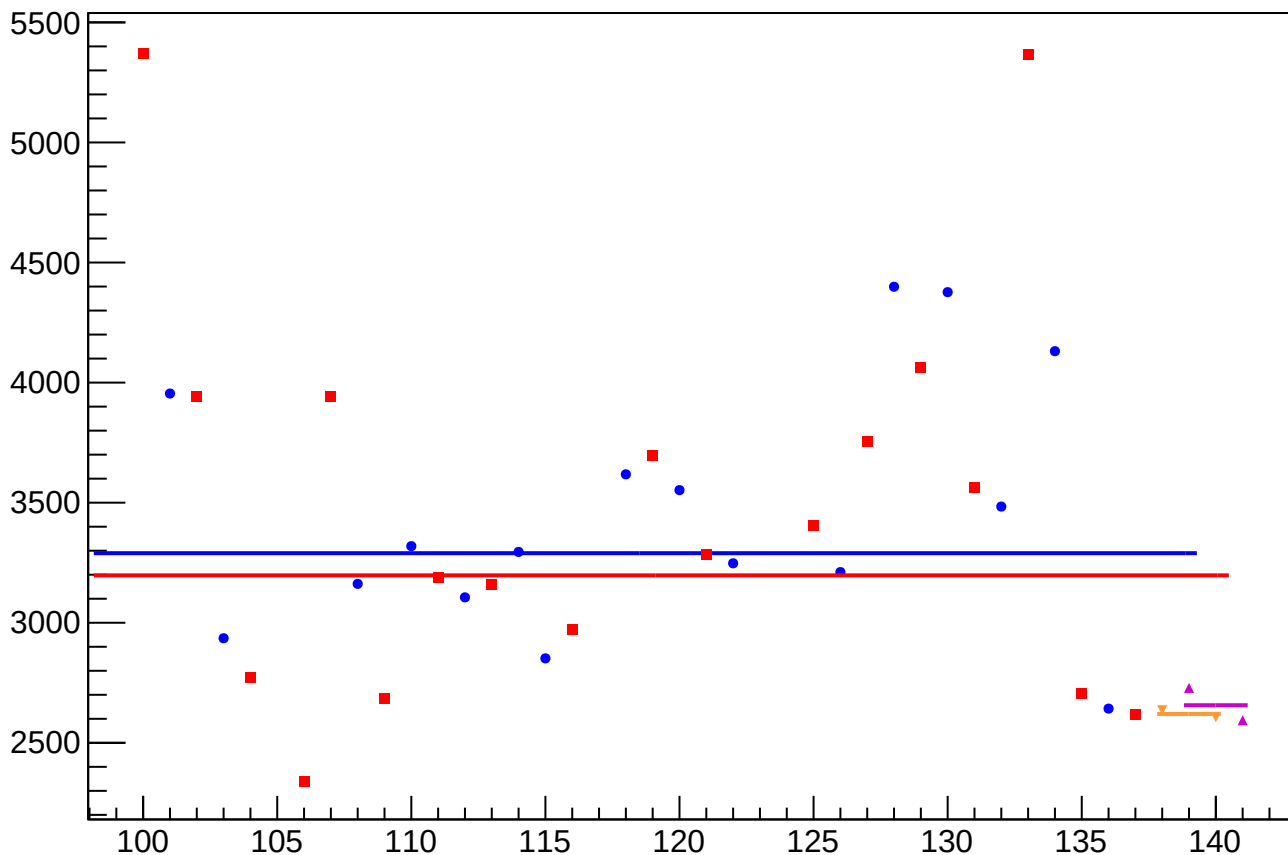
Left In: 3610.260 ± 2020.089 χ^2/NDF : 0.4/1

+ sign -255.716 ± 1063.046 χ^2/NDF : 25.9/17

All: 952.979 ± 744.743 χ^2/NDF : 36.4/37

- sign 2118.020 ± 1043.673 χ^2/NDF : 7.9/19

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF : 347594.0/15

Left Out: 2620.268+/-1.455 χ^2/NDF :100.9/1

Right Out: 3197.375+/-0.862 χ^2/NDF : 499934.1/17

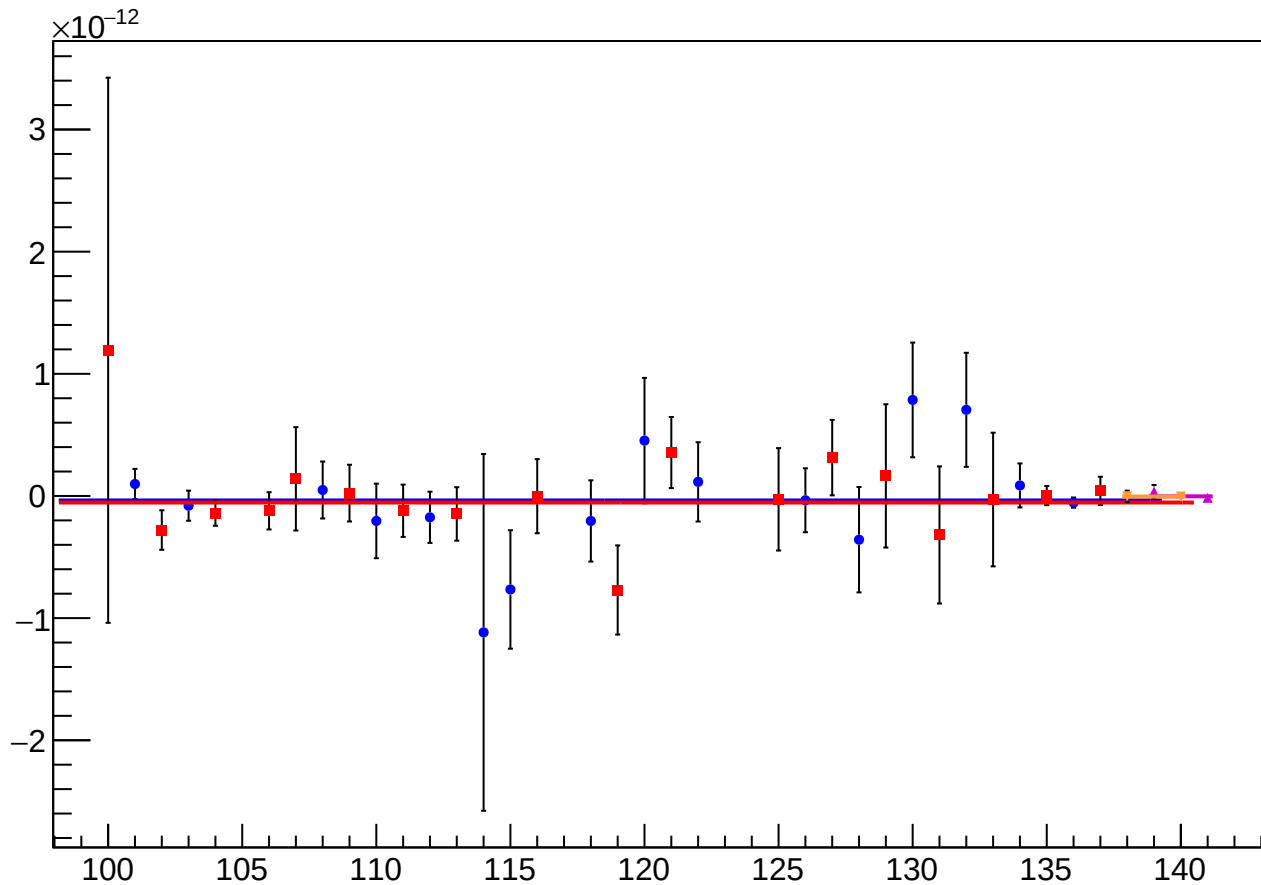
Left In: 2656.549+/-1.428 χ^2/NDF :2214.0/1

+ sign 3110.908+/-0.752 χ^2/NDF : 502938.1/17

All: 3081.431+/-0.527 χ^2/NDF : 1113195.2/37

- sign 3053.019+/-0.738 χ^2/NDF : 607237.2/19

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 13.2/15

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

Right Out: -0.000+/-0.000 χ^2/NDF : 12.6/17

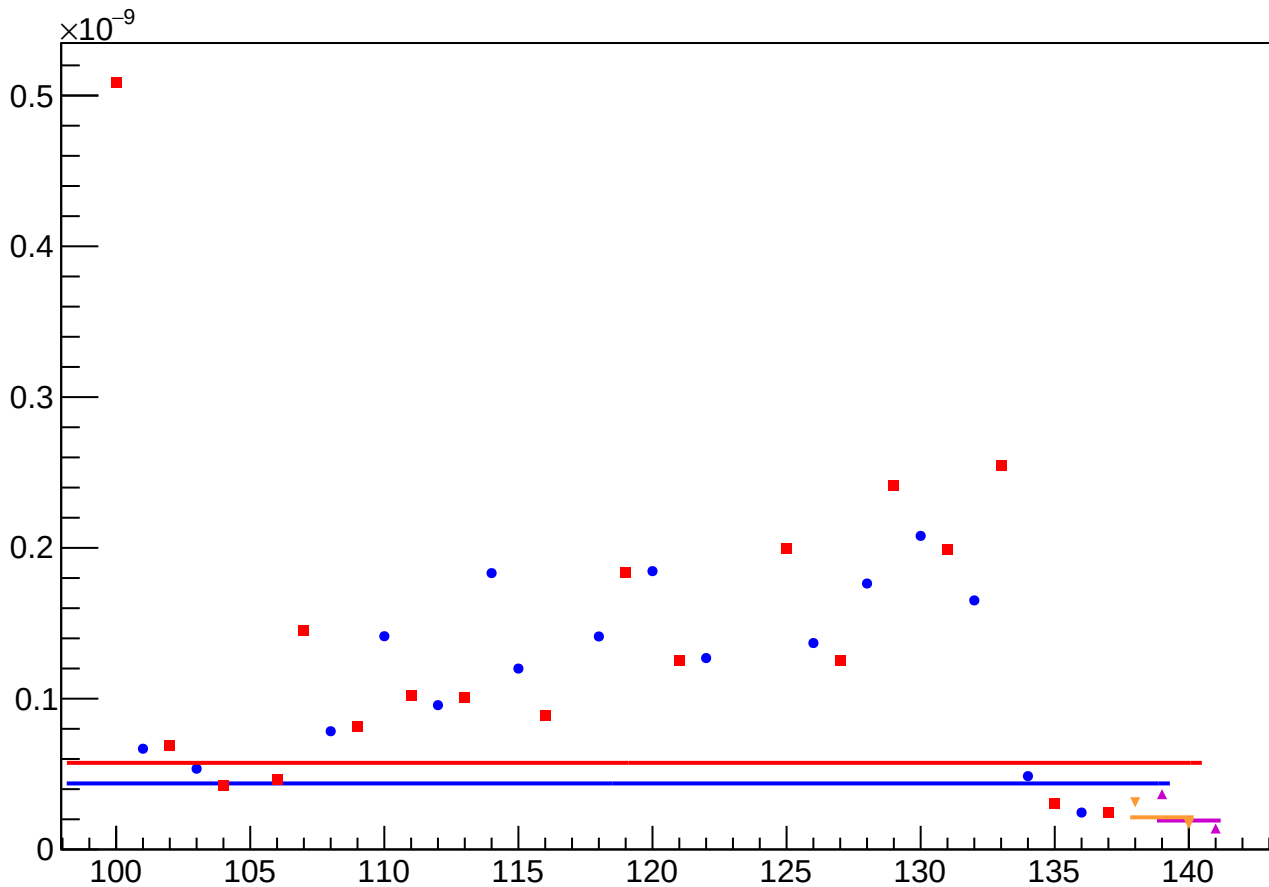
Left In: -0.000+/-0.000 χ^2/NDF : 0.7/1

+ sign -0.000+/-0.000 χ^2/NDF : 13.7/17

All: -0.000+/-0.000 χ^2/NDF : 28.1/37

- sign -0.000+/-0.000 χ^2/NDF : 14.3/19

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF :131118.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2086696.1/17

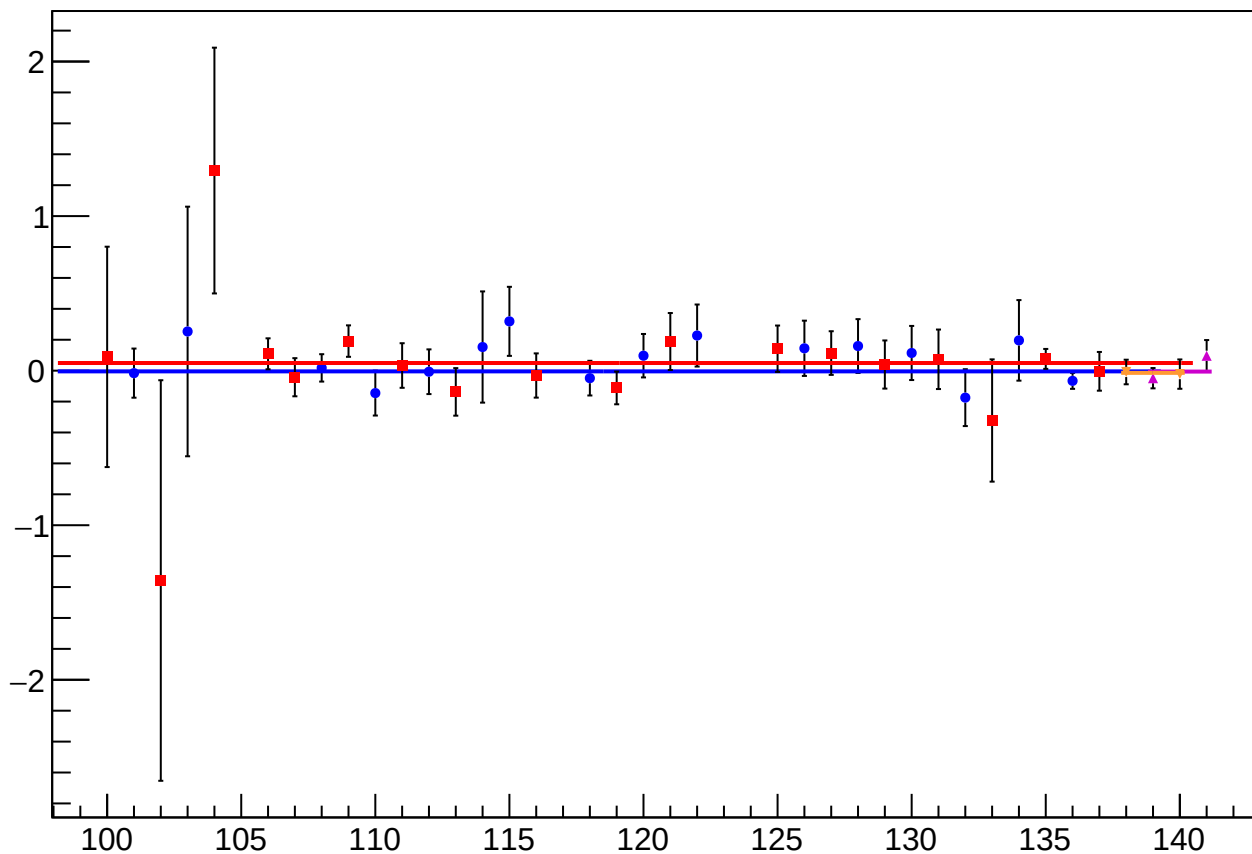
Left In: 0.000+/-0.000 χ^2/NDF :284228.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 2902319.4/17

All: 0.000+/-0.000 χ^2/NDF : 6430974.3/37

- sign 0.000+/-0.000 χ^2/NDF : 3528119.5/19

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

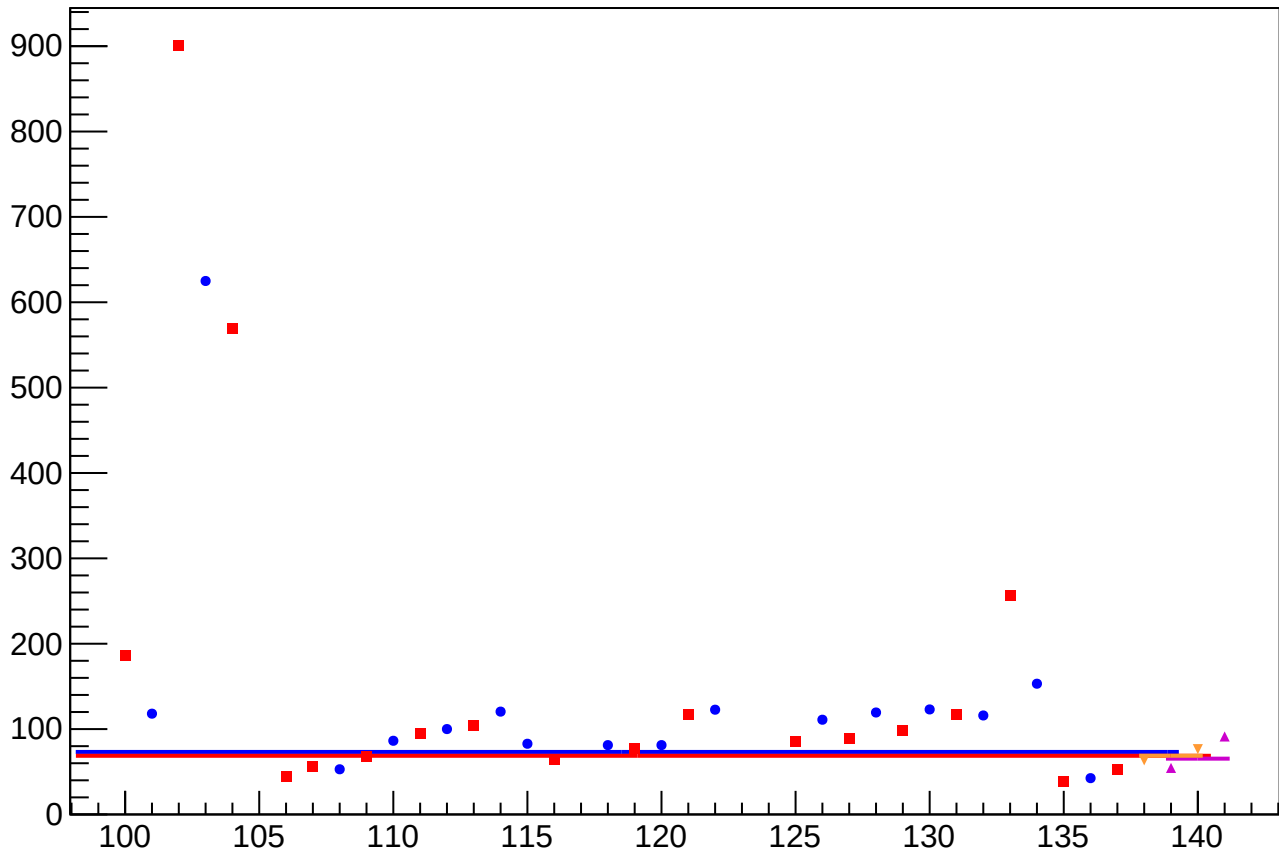
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.015 ± 0.020 χ^2/NDF : 26.7/37

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

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

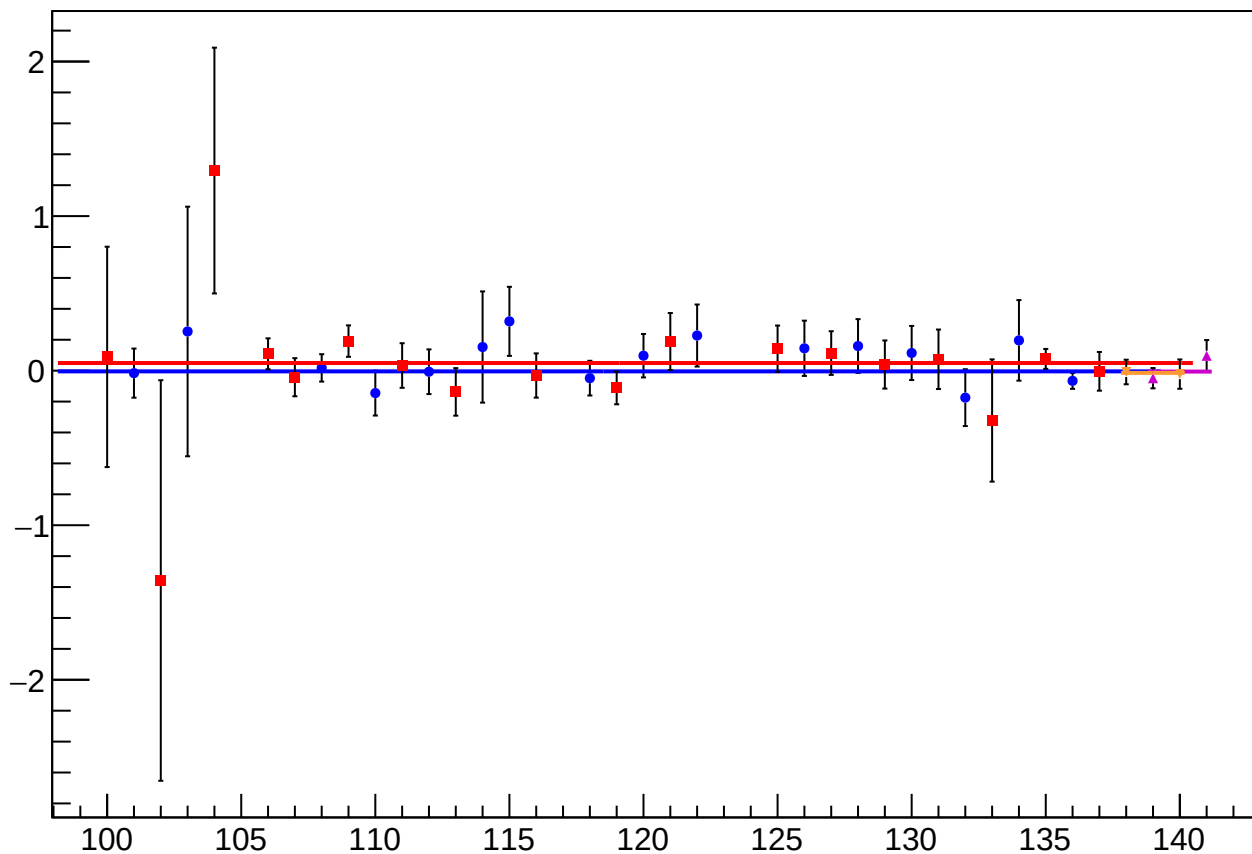
Left In: 65.372 $\pm$ 0.039 χ^2 /NDF: 185222.5/1

+ sign 72.263 $\pm$ 0.020 χ^2 /NDF: 2885354.9/17

All: 69.998 $\pm$ 0.014 χ^2 /NDF: 6432260.2/37

- sign 67.894 $\pm$ 0.019 χ^2 /NDF: 3522521.8/19

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

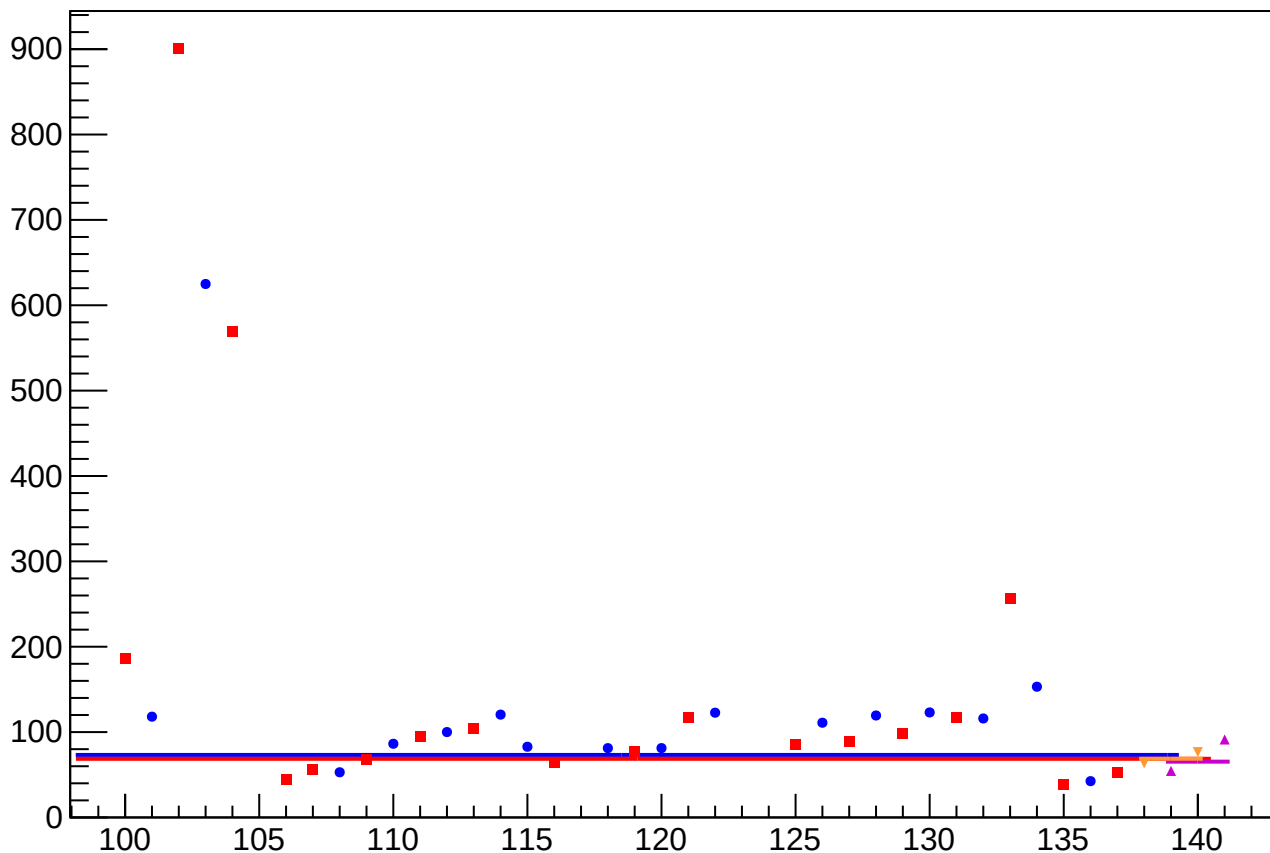
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.015 ± 0.020 χ^2/NDF : 26.7/37

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

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

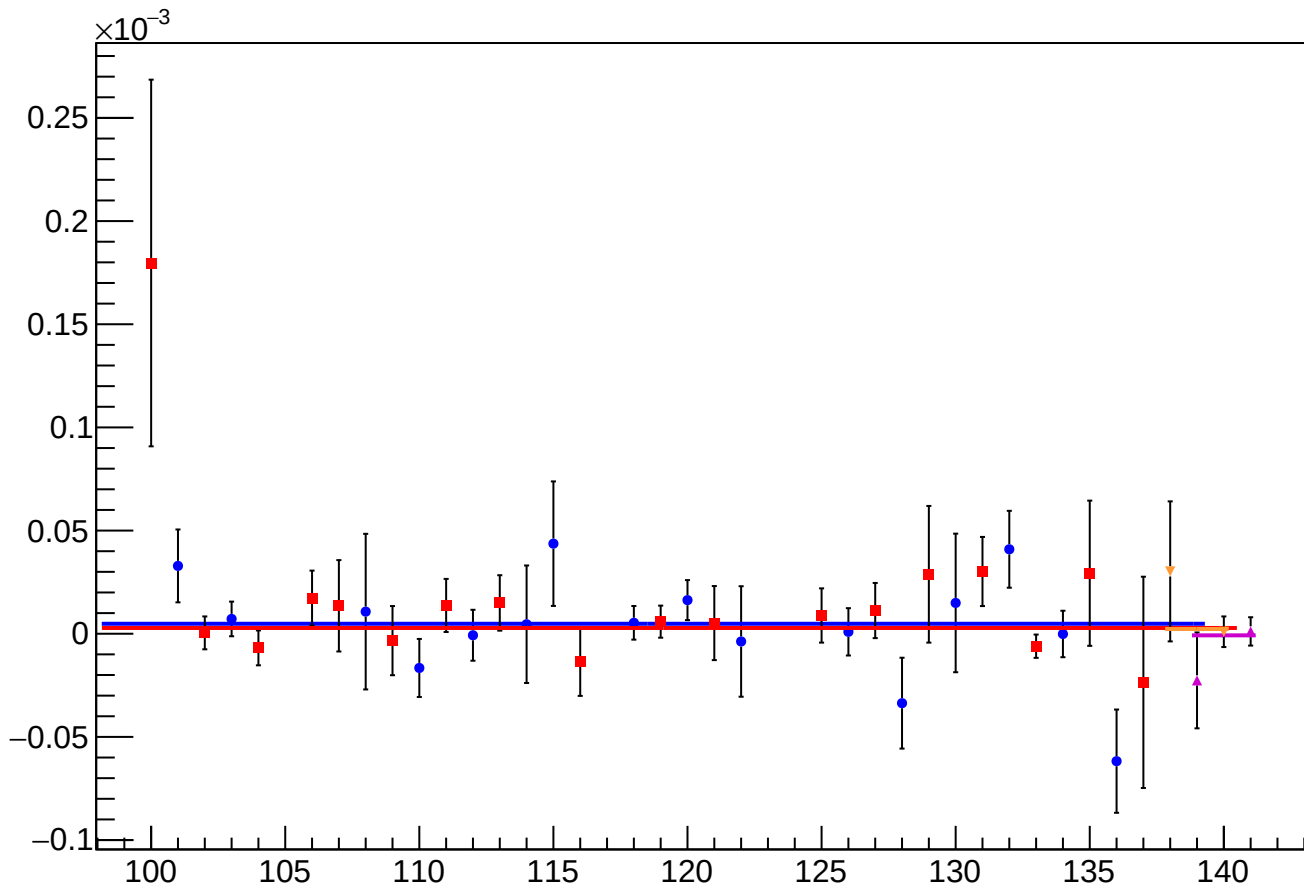
Left In: 65.372 $\pm$ 0.039 χ^2 /NDF: 185222.5/1

+ sign 72.263 $\pm$ 0.020 χ^2 /NDF: 2885354.9/17

All: 69.998 $\pm$ 0.014 χ^2 /NDF: 6432260.2/37

- sign 67.894 $\pm$ 0.019 χ^2 /NDF: 3522521.8/19

asym_us_dd_at2lr_dd_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: 0.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/17

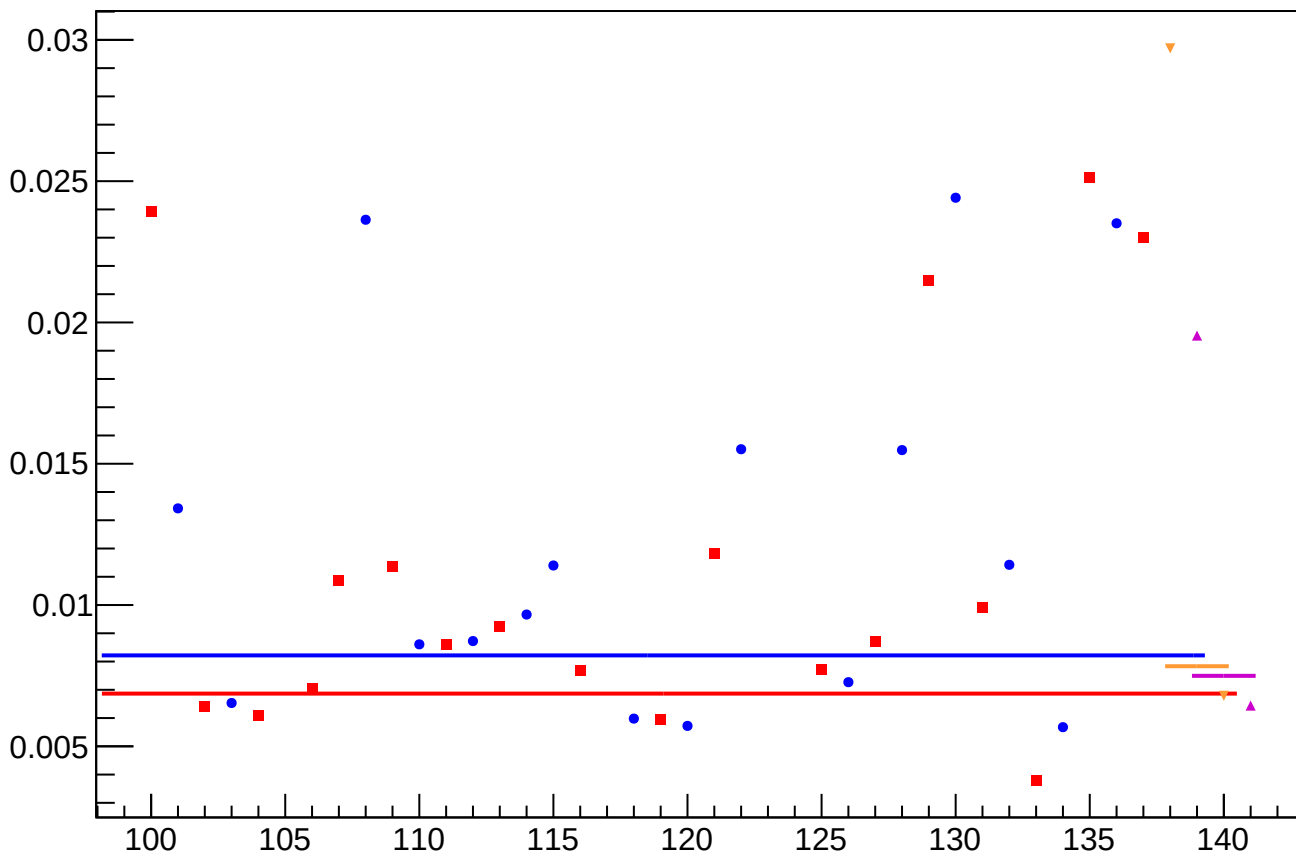
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2656170.2/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:870213.4/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 2426444.0/17

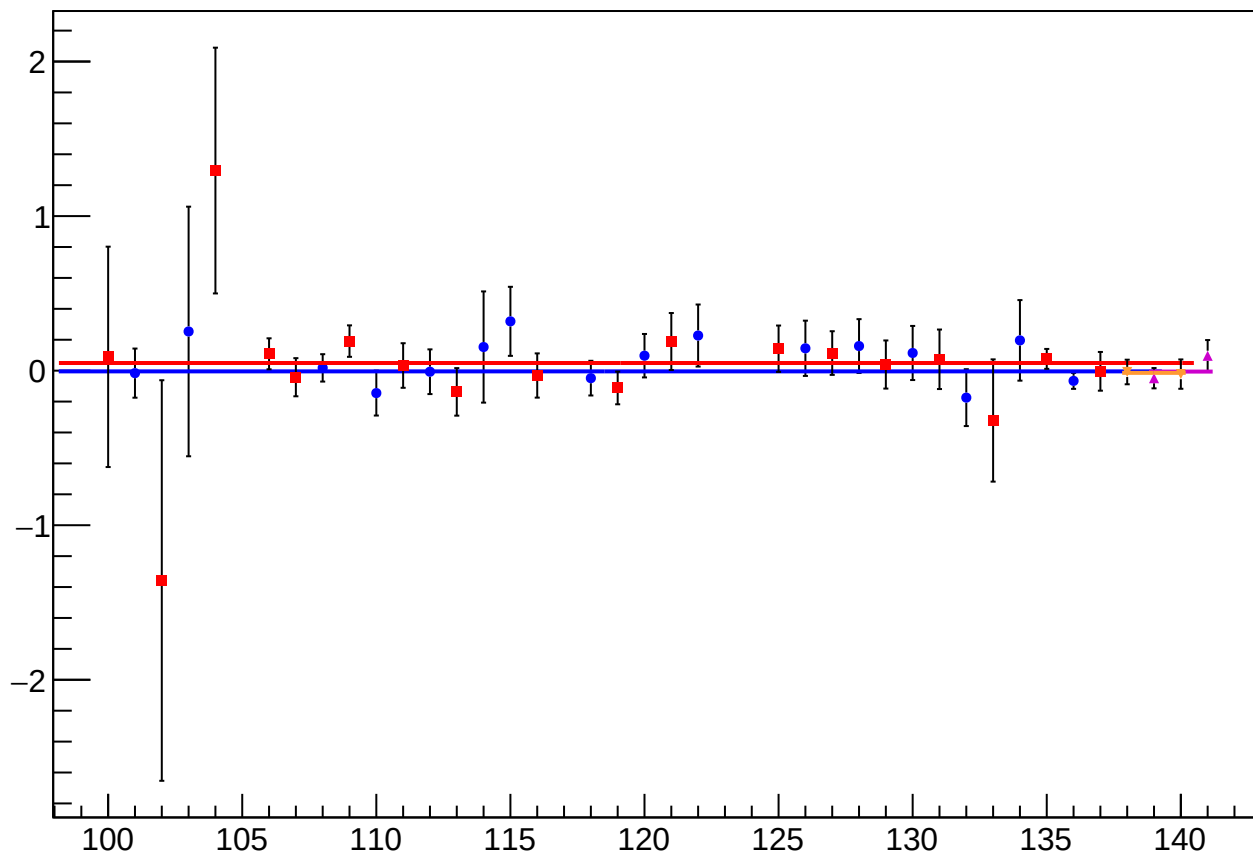
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:583996.4/1

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3530930.5/17

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 6724221.5/37

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3025815.0/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.032 χ^2/NDF : 10.3/15

Left Out: -0.014 ± 0.061 χ^2/NDF : 0.0/1

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

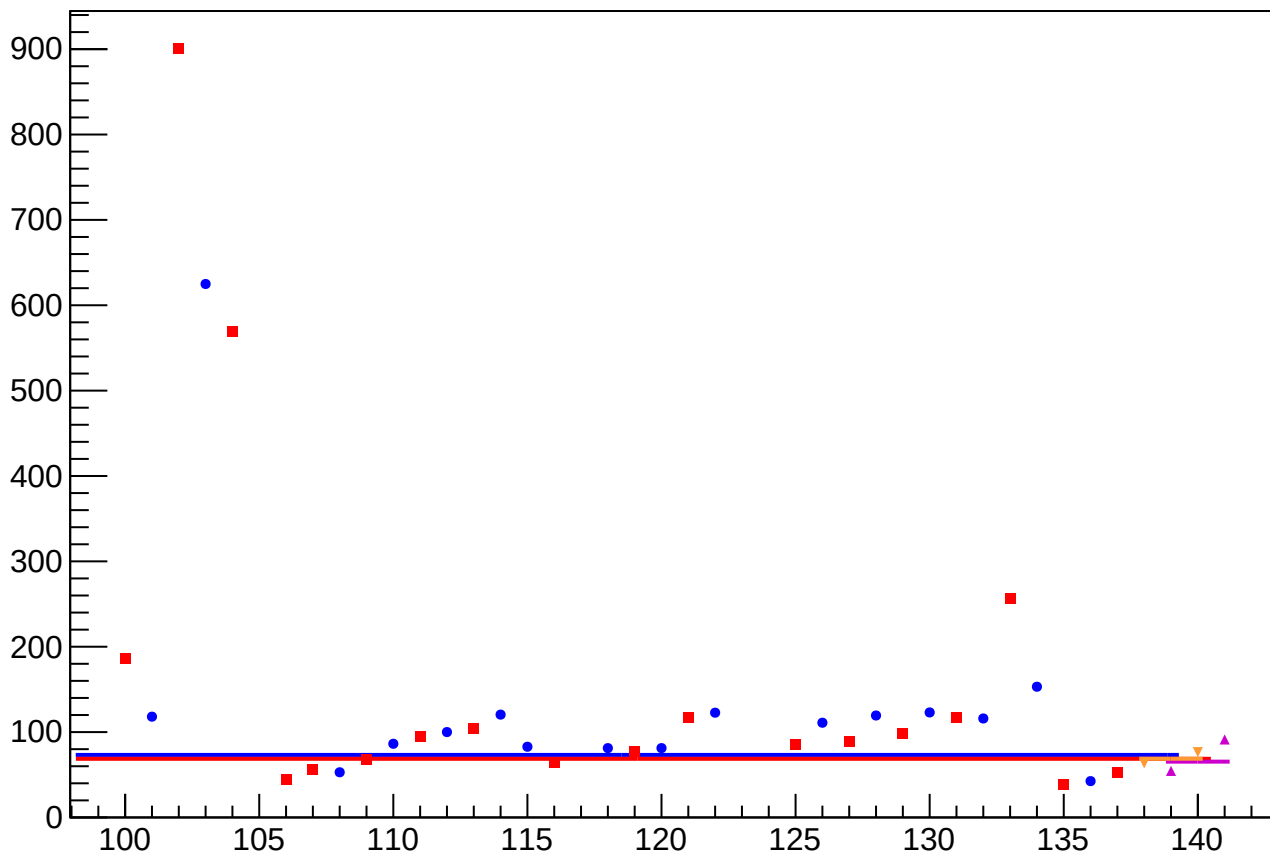
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.015 ± 0.020 χ^2/NDF : 26.7/37

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

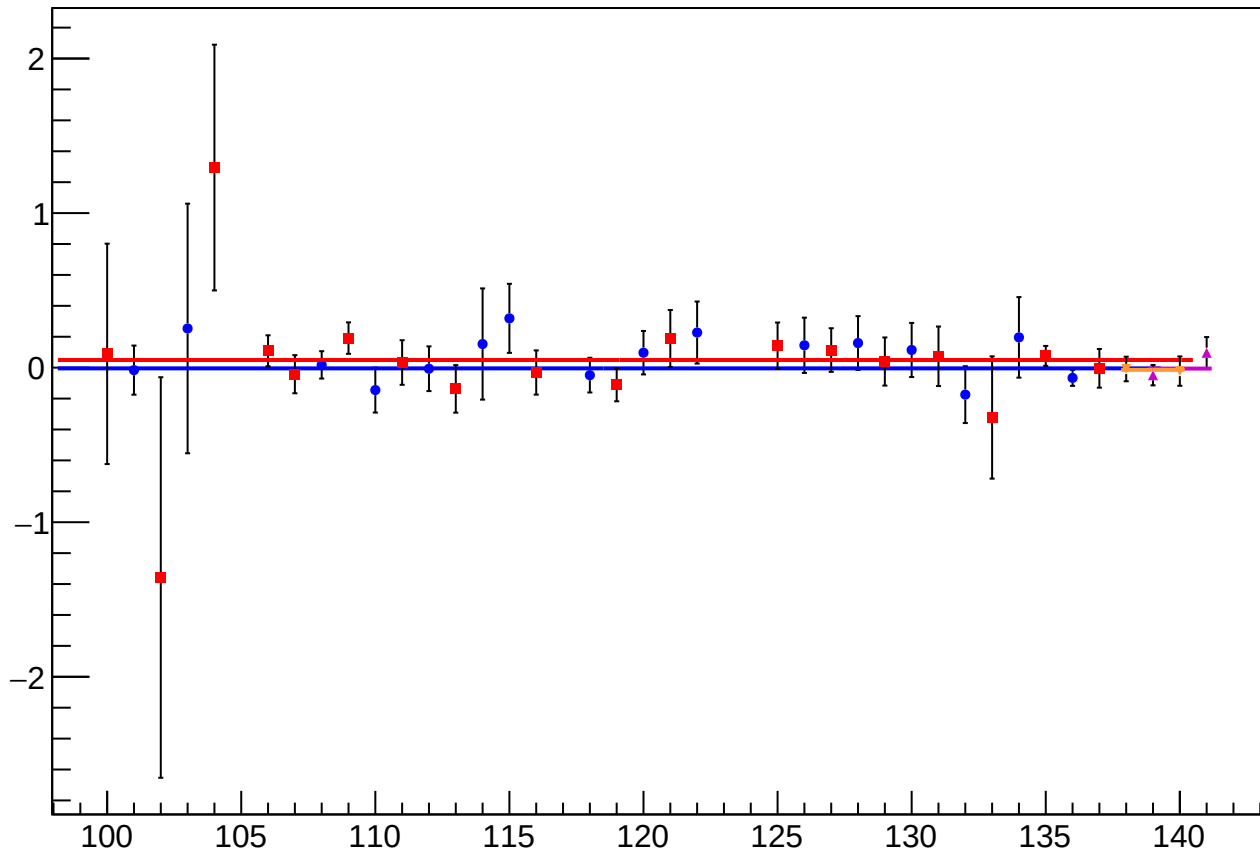
Left In: 65.385 $\pm$ 0.039 χ^2 /NDF: 185097.6/1

+ sign 72.284 $\pm$ 0.020 χ^2 /NDF: 2883103.1/17

All: 70.005 $\pm$ 0.014 χ^2 /NDF: 6431098.6/37

- sign 67.889 $\pm$ 0.019 χ^2 /NDF: 3523317.7/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.032 χ^2/NDF : 10.3/15

Left Out: -0.014 ± 0.061 χ^2/NDF : 0.0/1

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

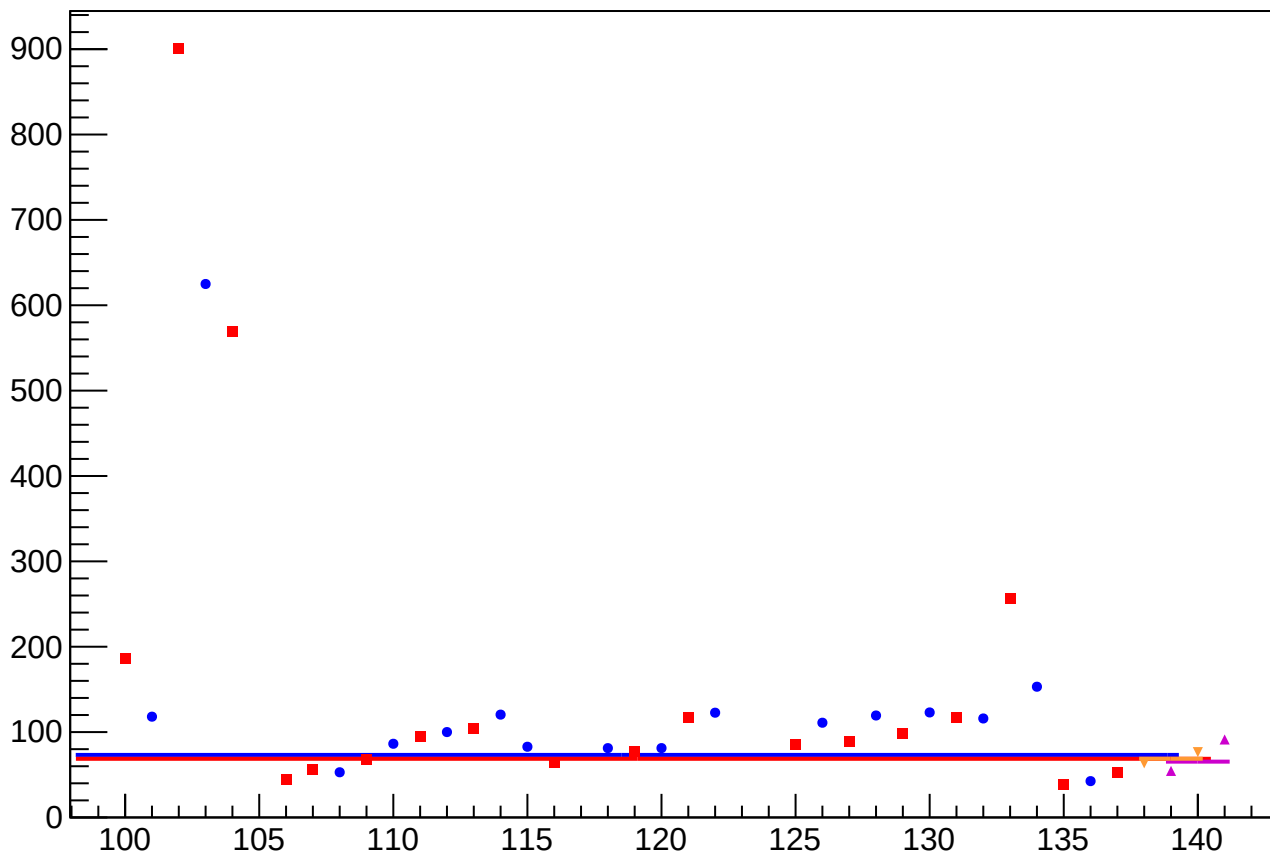
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.007 ± 0.028 χ^2/NDF : 10.3/17

All: 0.015 ± 0.020 χ^2/NDF : 26.7/37

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260 $\pm$ 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

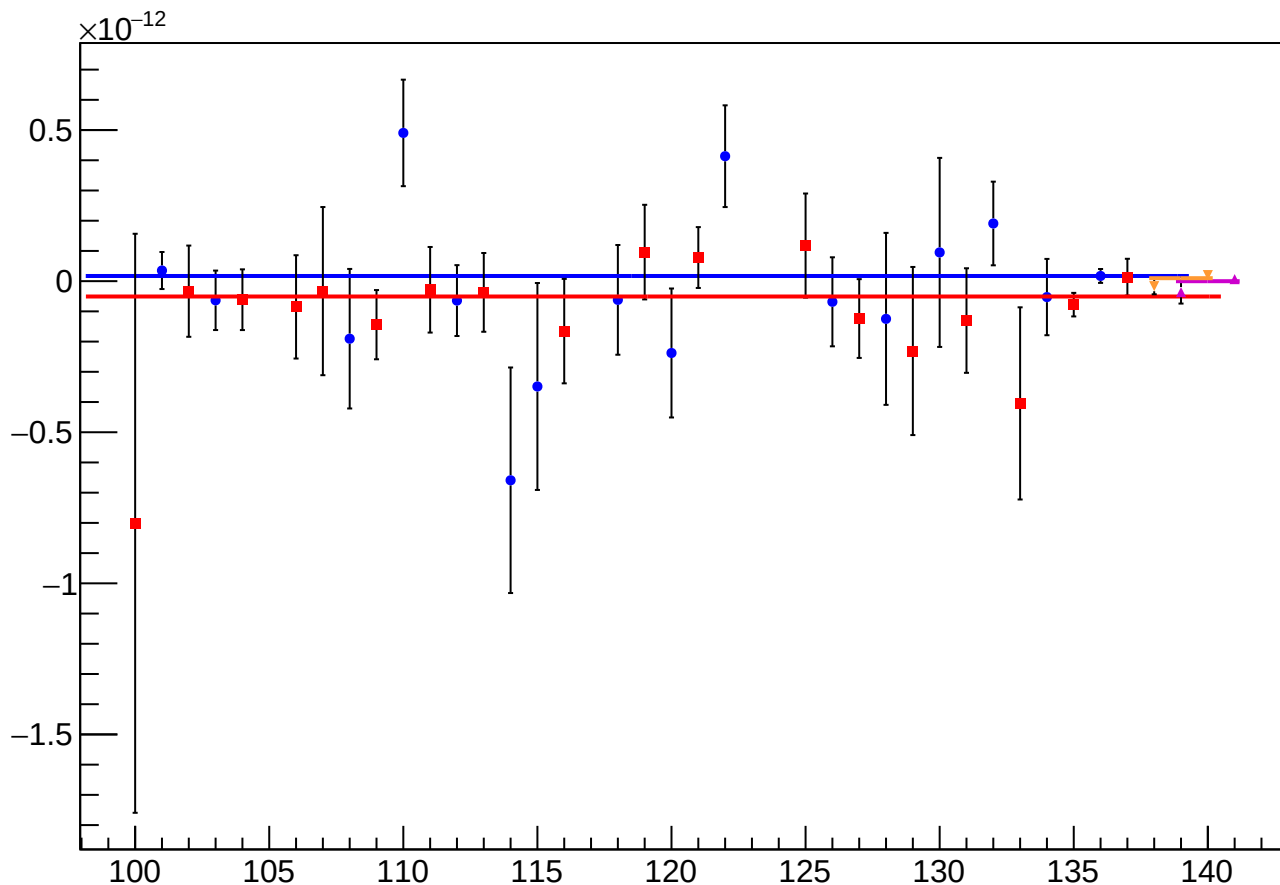
Left In: 65.385 $\pm$ 0.039 χ^2 /NDF: 185097.6/1

+ sign 72.284 $\pm$ 0.020 χ^2 /NDF: 2883103.1/17

All: 70.005 $\pm$ 0.014 χ^2 /NDF: 6431098.6/37

- sign 67.889 $\pm$ 0.019 χ^2 /NDF: 3523317.7/19

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/17

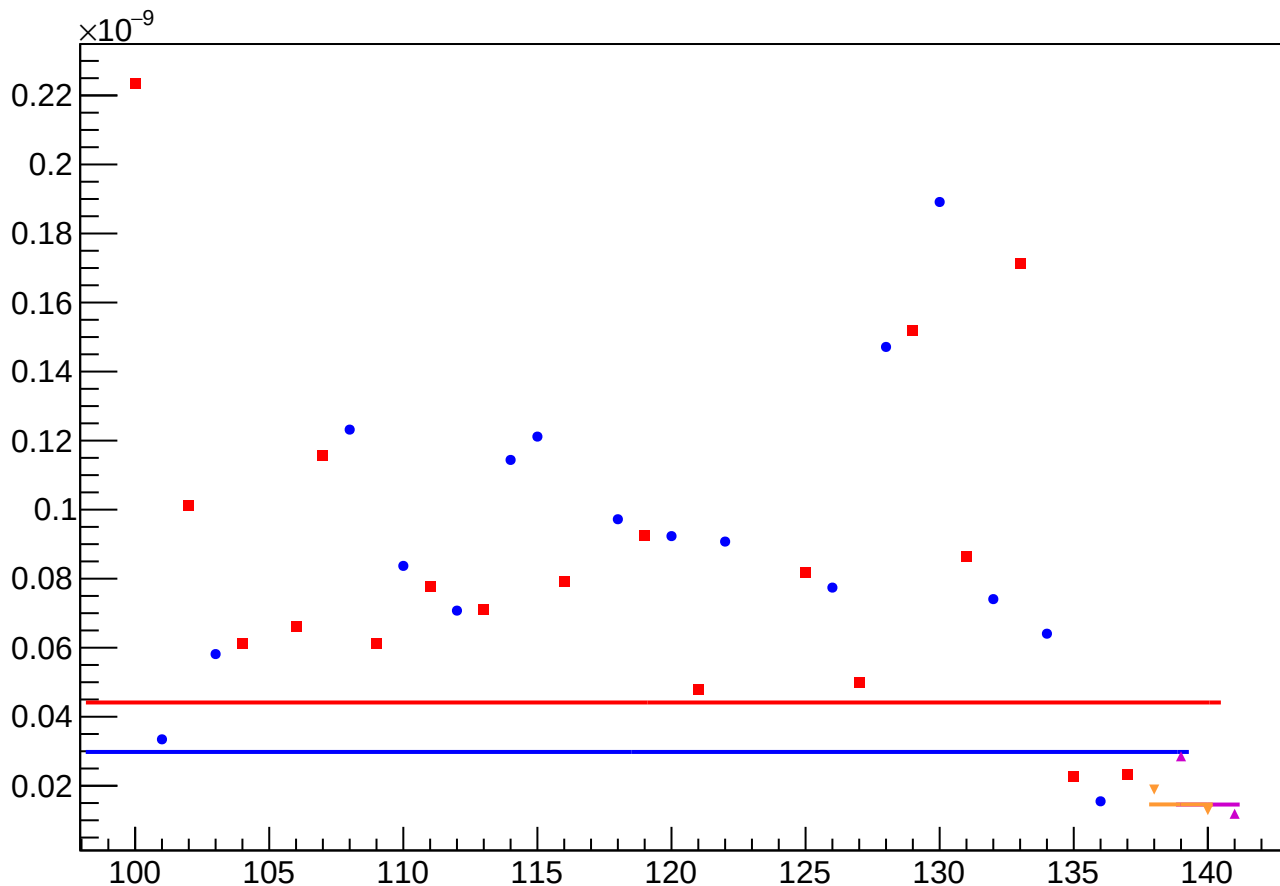
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.3/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/19

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

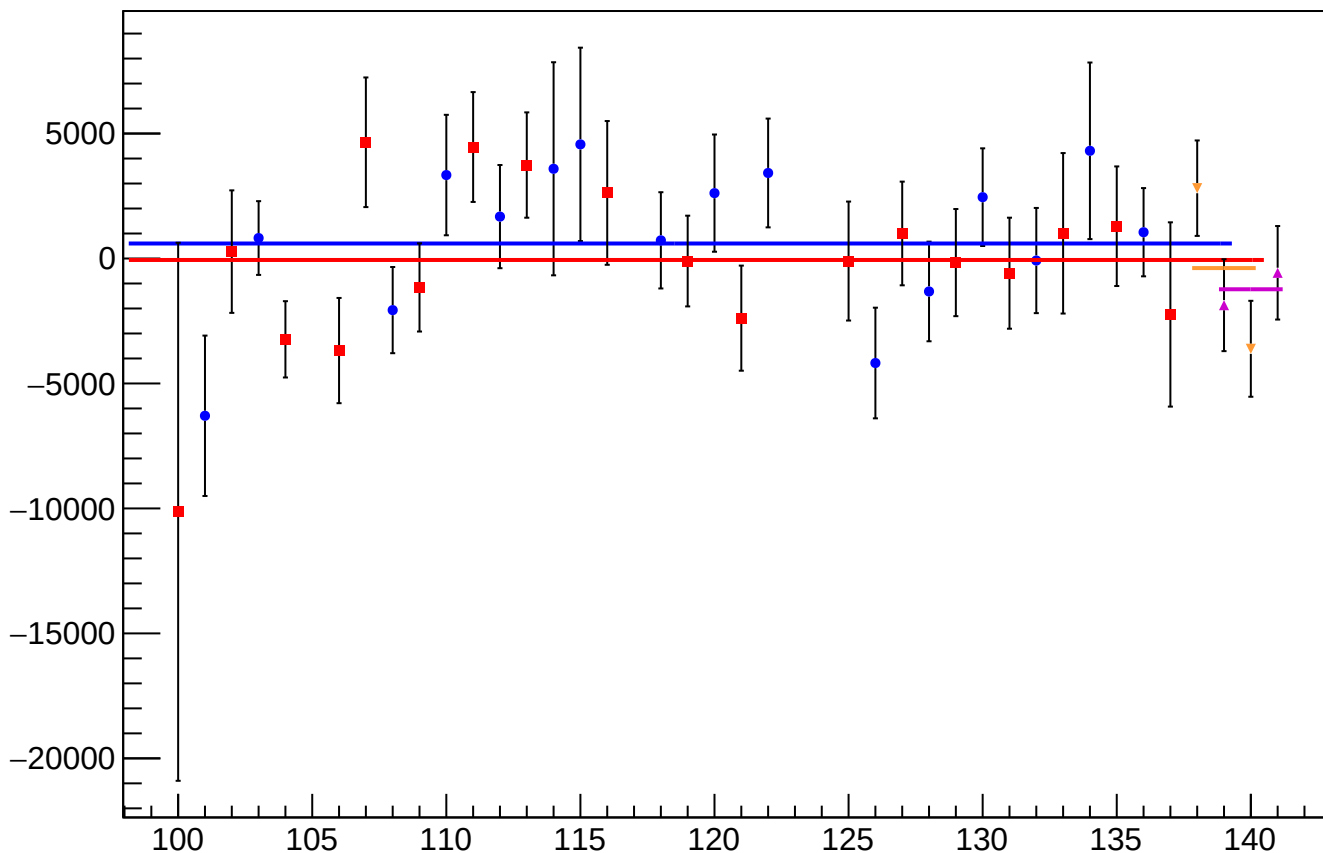
Left In: 0.000+/-0.000 χ^2/NDF : 322762.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 4957329.5/17

All: 0.000+/-0.000 χ^2/NDF : 10176882.8/37

- sign 0.000+/-0.000 χ^2/NDF : 5168468.1/19

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

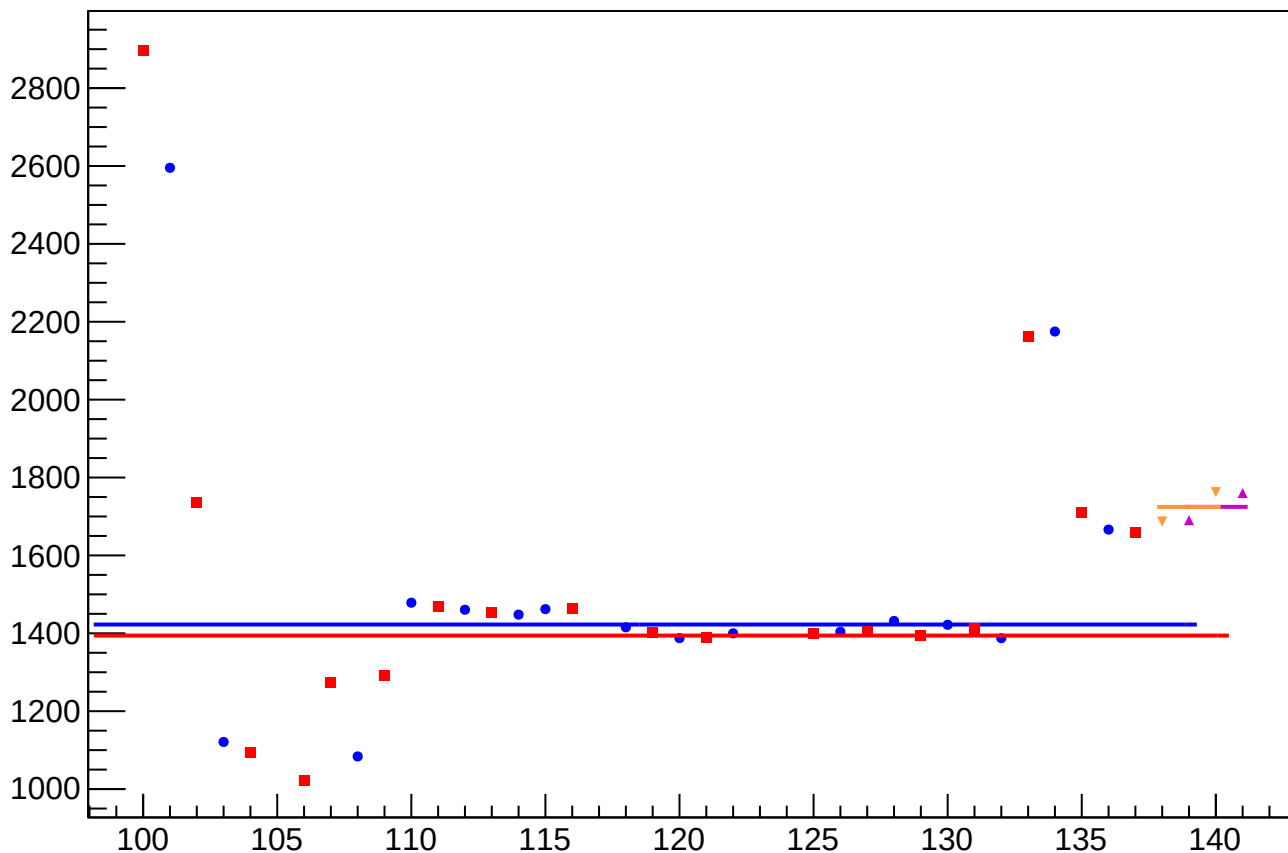
Left In: -1231.079 $\pm$ 1311.336 χ^2 /NDF:0.2/1

+ sign 465.115 $\pm$ 501.609 χ^2 /NDF: 26.4/17

All: 113.696 $\pm$ 351.080 χ^2 /NDF: 50.8/37

- sign -223.765 $\pm$ 491.547 χ^2 /NDF: 23.5/19

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515 $\pm$ 0.382 χ^2 /NDF: 560259.3/15

Left Out: 1724.516 $\pm$ 0.957 χ^2 /NDF:1556.4/1

Right Out: 1394.171 $\pm$ 0.375 χ^2 /NDF: 393666.0/17

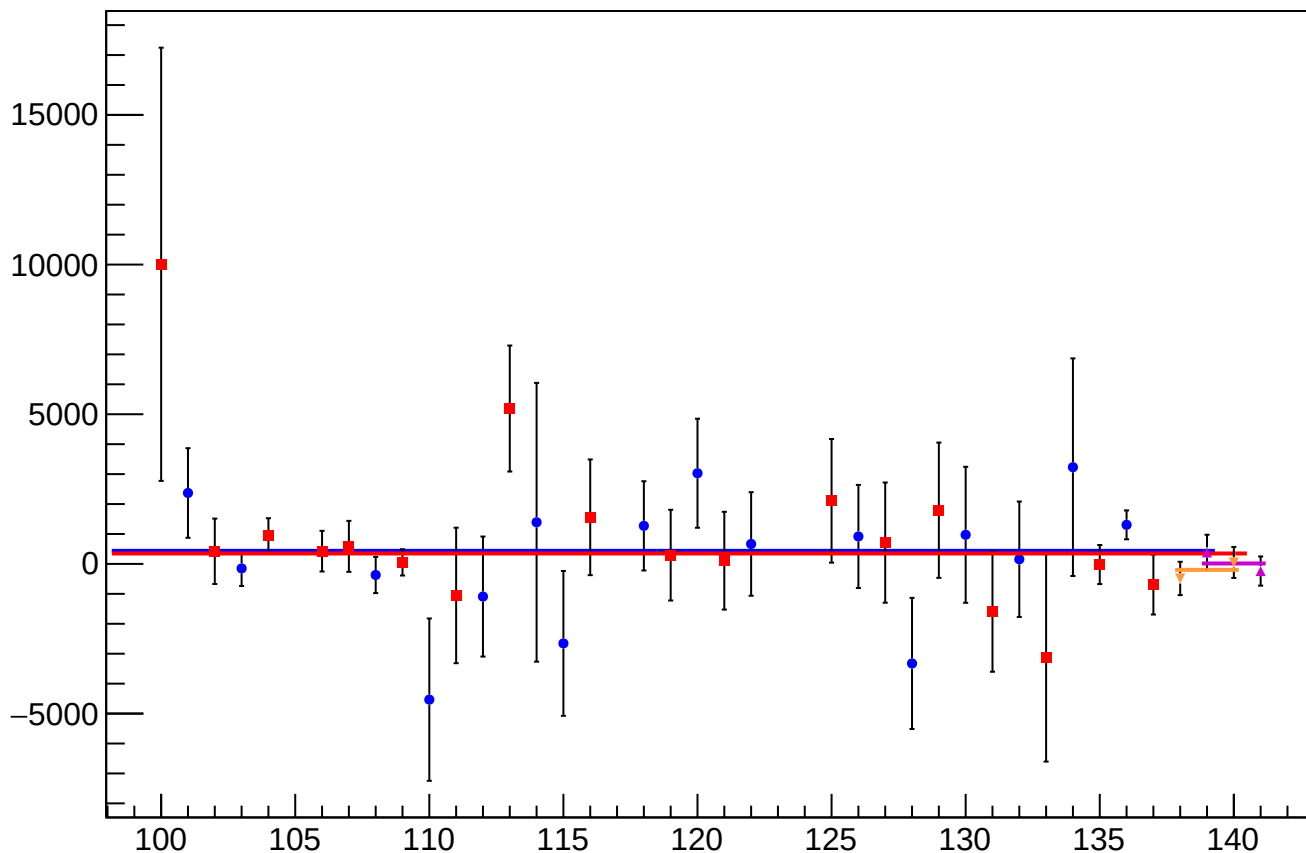
Left In: 1724.705 $\pm$ 0.927 χ^2 /NDF:1414.0/1

+ sign 1463.980 $\pm$ 0.355 χ^2 /NDF: 647688.0/17

All: 1452.060 $\pm$ 0.248 χ^2 /NDF: 1154195.8/37

- sign 1440.613 $\pm$ 0.348 χ^2 /NDF: 504293.7/19

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

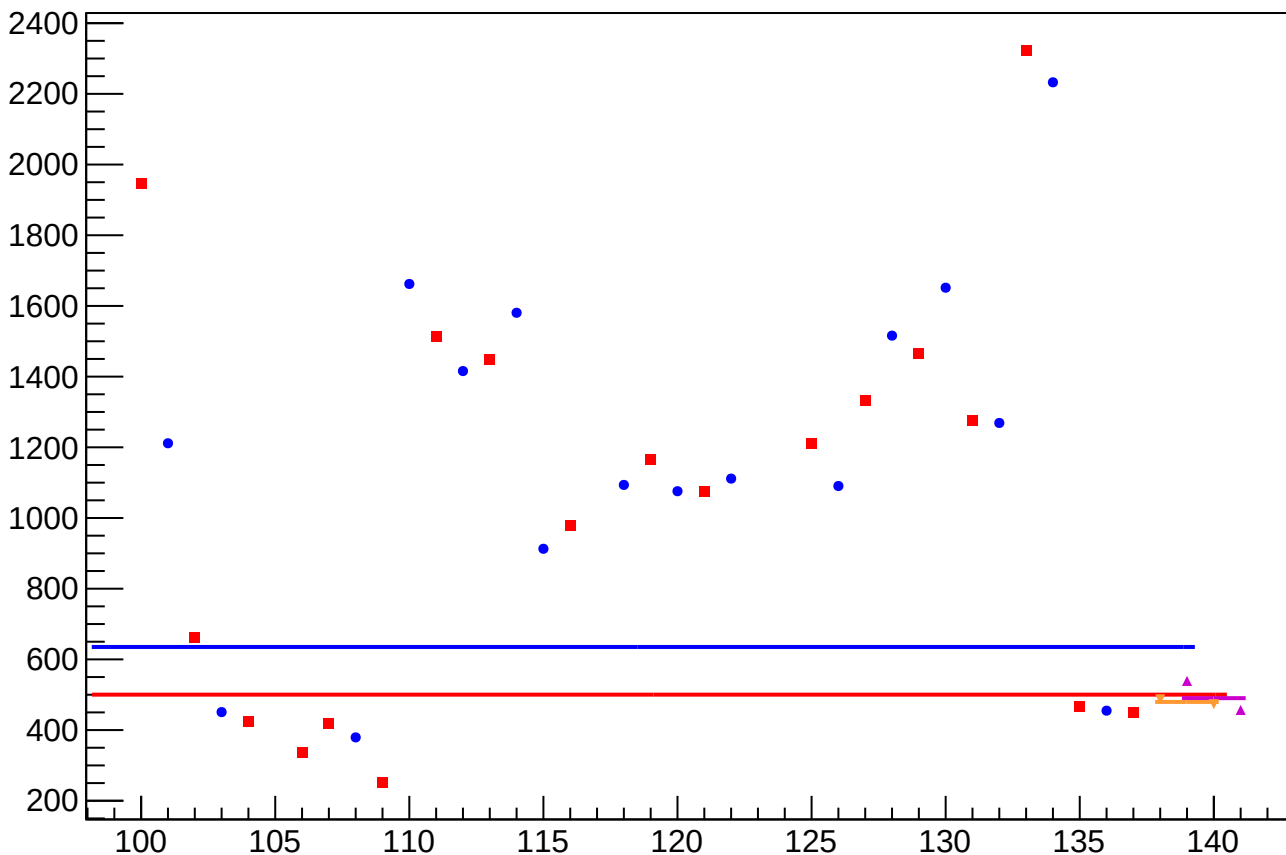
Left In: 14.734 $\pm$ 375.745 χ^2 /NDF:0.7/1

+ sign 216.257 $\pm$ 223.050 χ^2 /NDF: 21.7/17

All: 238.116 $\pm$ 148.273 χ^2 /NDF: 36.8/37

- sign 255.423 $\pm$ 198.475 χ^2 /NDF: 15.2/19

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

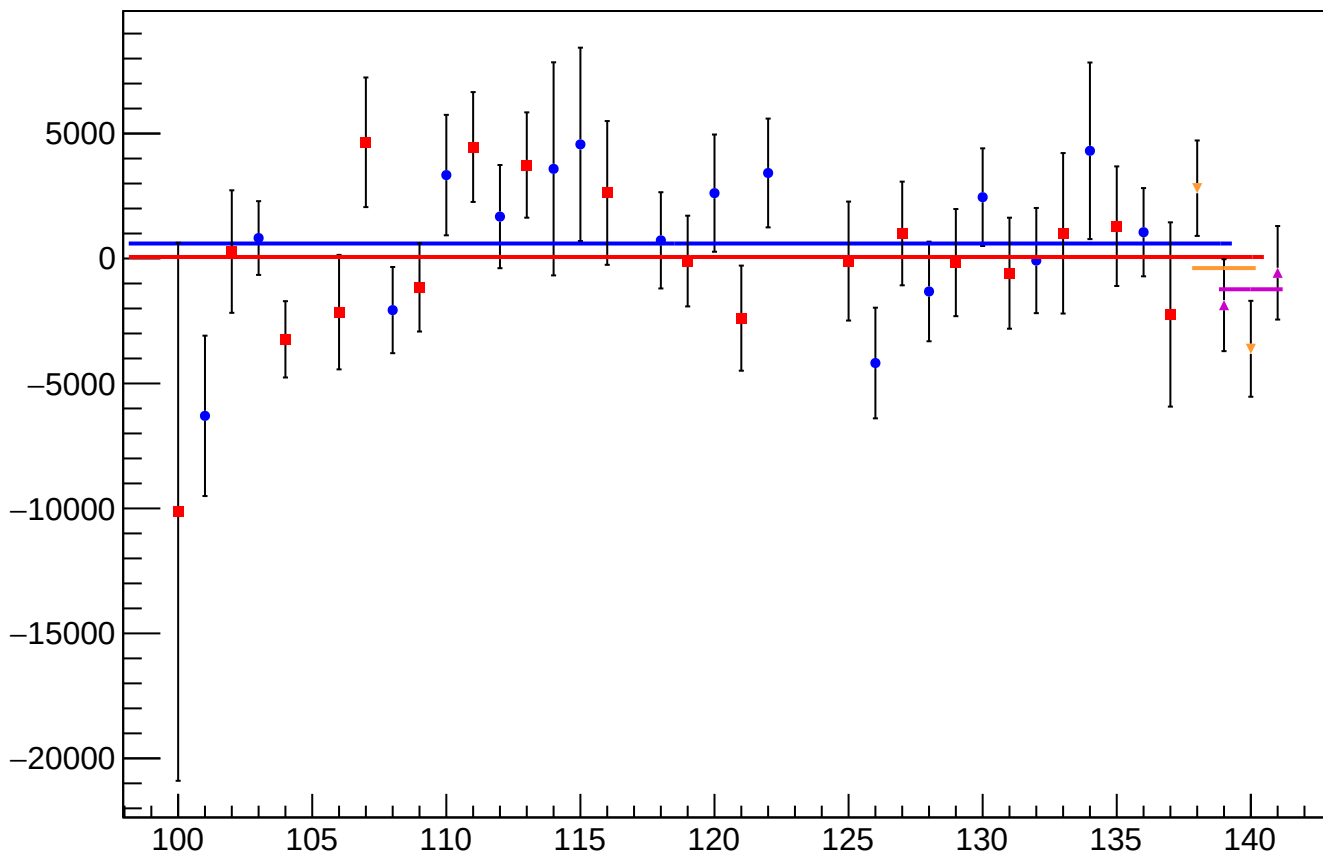
Left In: 490.299+/-0.266 χ^2/NDF :23065.0/1

+ sign 581.253+/-0.158 χ^2/NDF : 3973367.7/17

All: 534.488+/-0.105 χ^2/NDF : 8464058.7/37

- sign 497.460+/-0.140 χ^2/NDF : 4333165.6/19

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020 $\pm$ 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

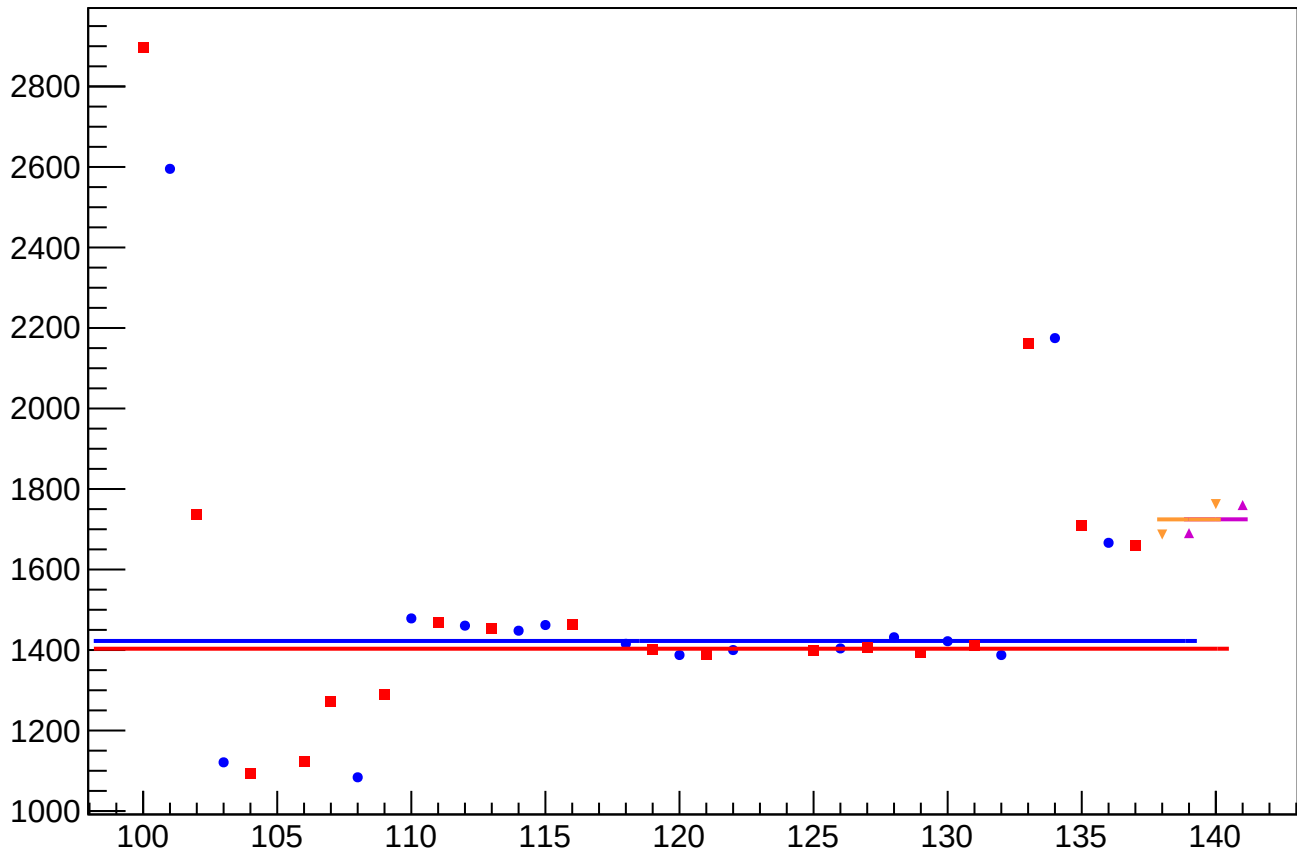
Left In: -1231.240 $\pm$ 1311.336 χ^2 /NDF: 0.2/1

+ sign 465.002 $\pm$ 501.609 χ^2 /NDF: 26.4/17

All: 166.460 $\pm$ 351.838 χ^2 /NDF: 48.6/37

- sign -122.664 $\pm$ 493.633 χ^2 /NDF: 21.4/19

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF :1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

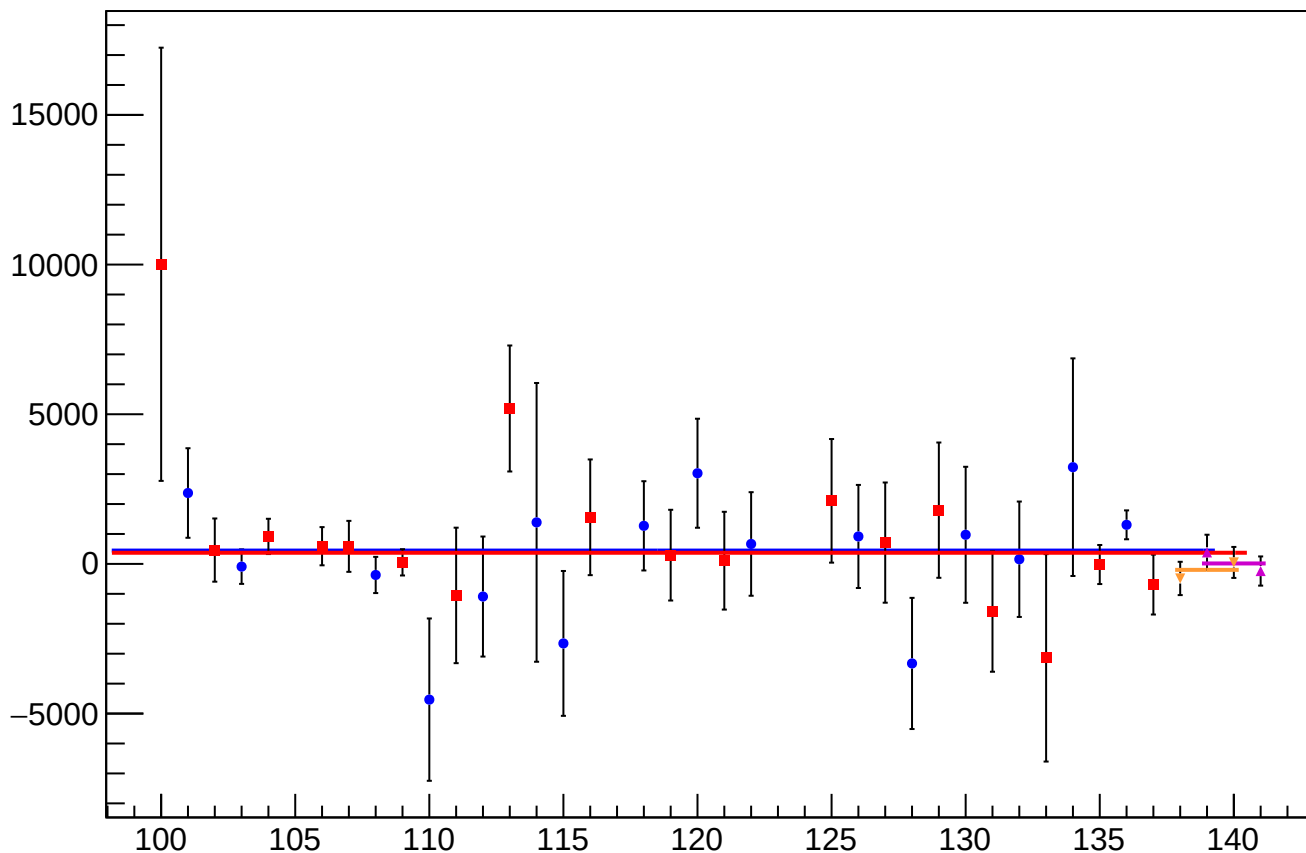
Left In: 1724.705+/-0.927 χ^2/NDF :1414.0/1

+ sign 1463.980+/-0.355 χ^2/NDF : 647688.3/17

All: 1456.256+/-0.249 χ^2/NDF : 1112321.5/37

- sign 1448.775+/-0.349 χ^2/NDF : 463699.6/19

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 445.121+/-274.737 χ^2/NDF : 19.2/15

Left Out: -199.125+/-378.941 χ^2/NDF : 0.5/1

Right Out: 372.538+/-231.353 χ^2/NDF : 14.0/17

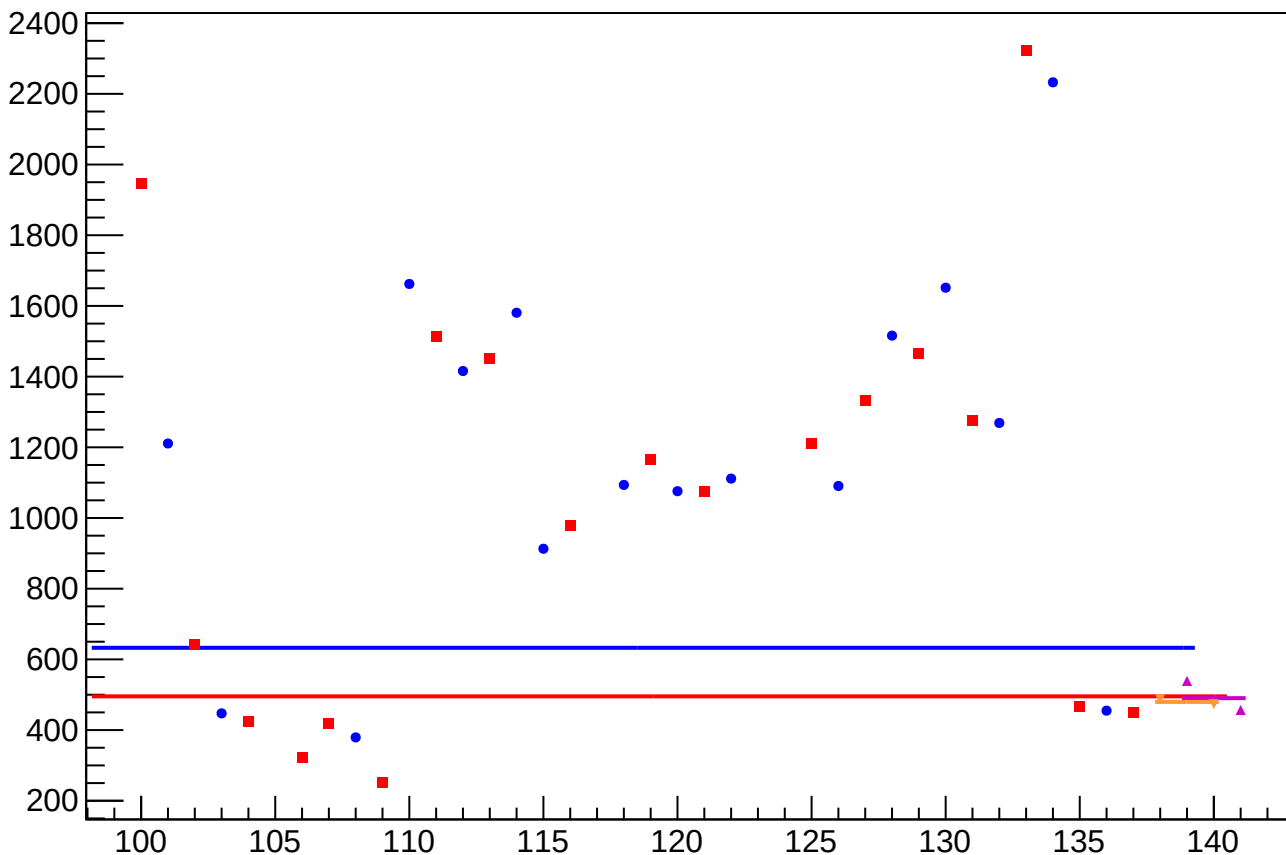
Left In: 14.984+/-375.737 χ^2/NDF : 0.7/1

+ sign 223.153+/-222.429 χ^2/NDF : 21.6/17

All: 251.785+/-147.476 χ^2/NDF : 36.9/37

- sign 274.246+/-197.003 χ^2/NDF : 15.3/19

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

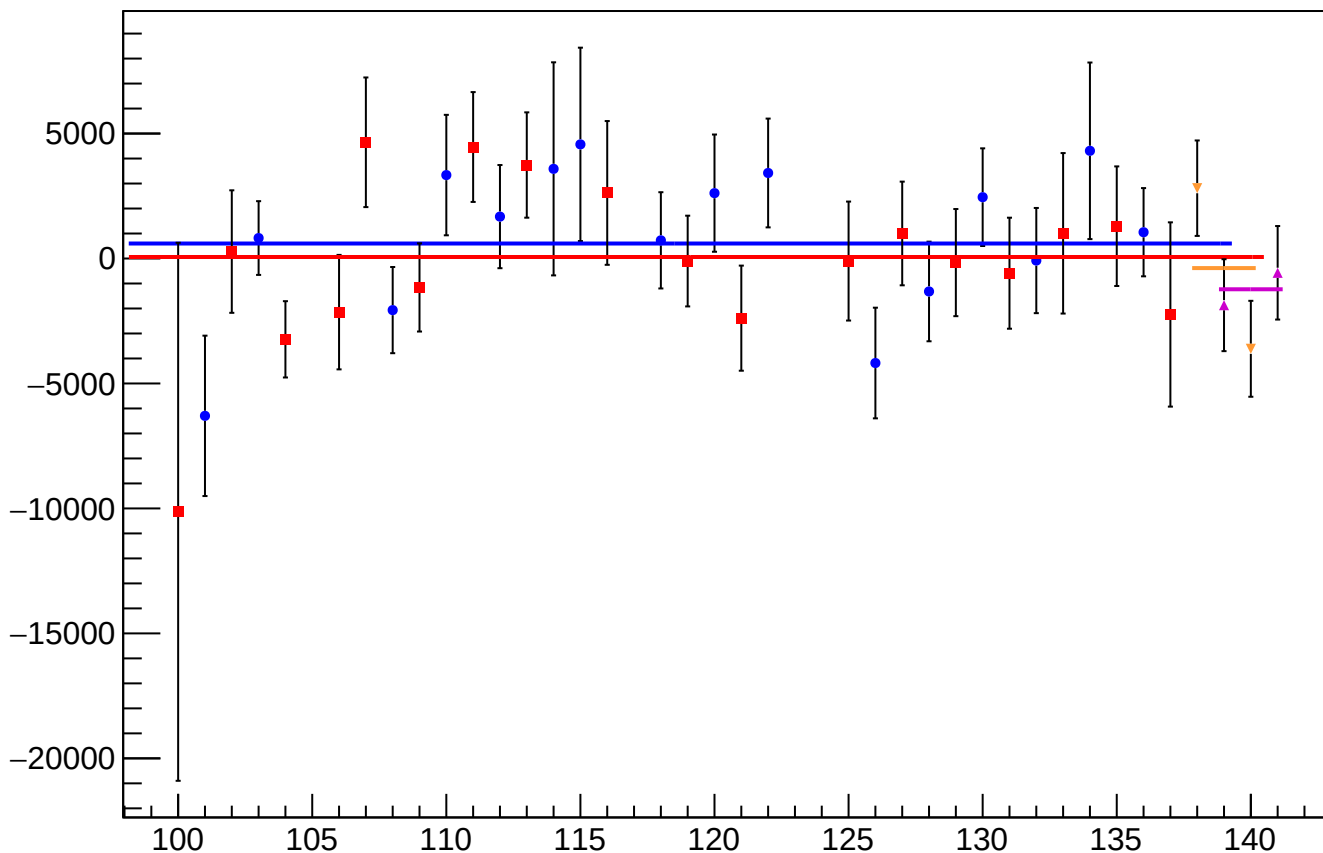
Left In: 490.287+/-0.266 χ^2/NDF : 23070.6/1

+ sign 580.002+/-0.157 χ^2/NDF : 3982388.2/17

All: 531.796+/-0.104 χ^2/NDF : 8510845.3/37

- sign 493.980+/-0.139 χ^2/NDF : 4360821.8/19

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

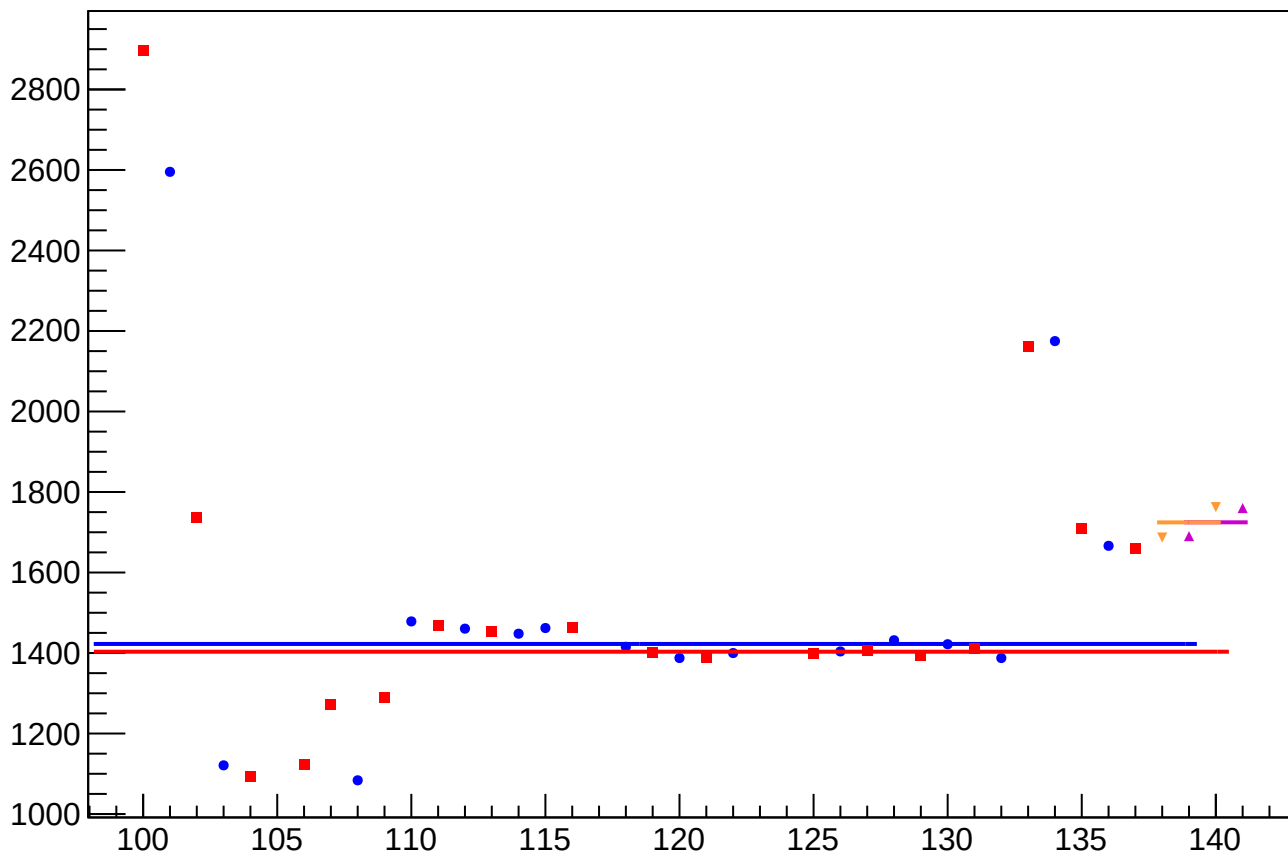
Left In: -1231.240 $\pm$ 1311.336 χ^2 /NDF:0.2/1

+ sign 465.002 $\pm$ 501.609 χ^2 /NDF: 26.4/17

All: 166.460 $\pm$ 351.838 χ^2 /NDF: 48.6/37

- sign -122.664 $\pm$ 493.633 χ^2 /NDF: 21.4/19

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF :1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

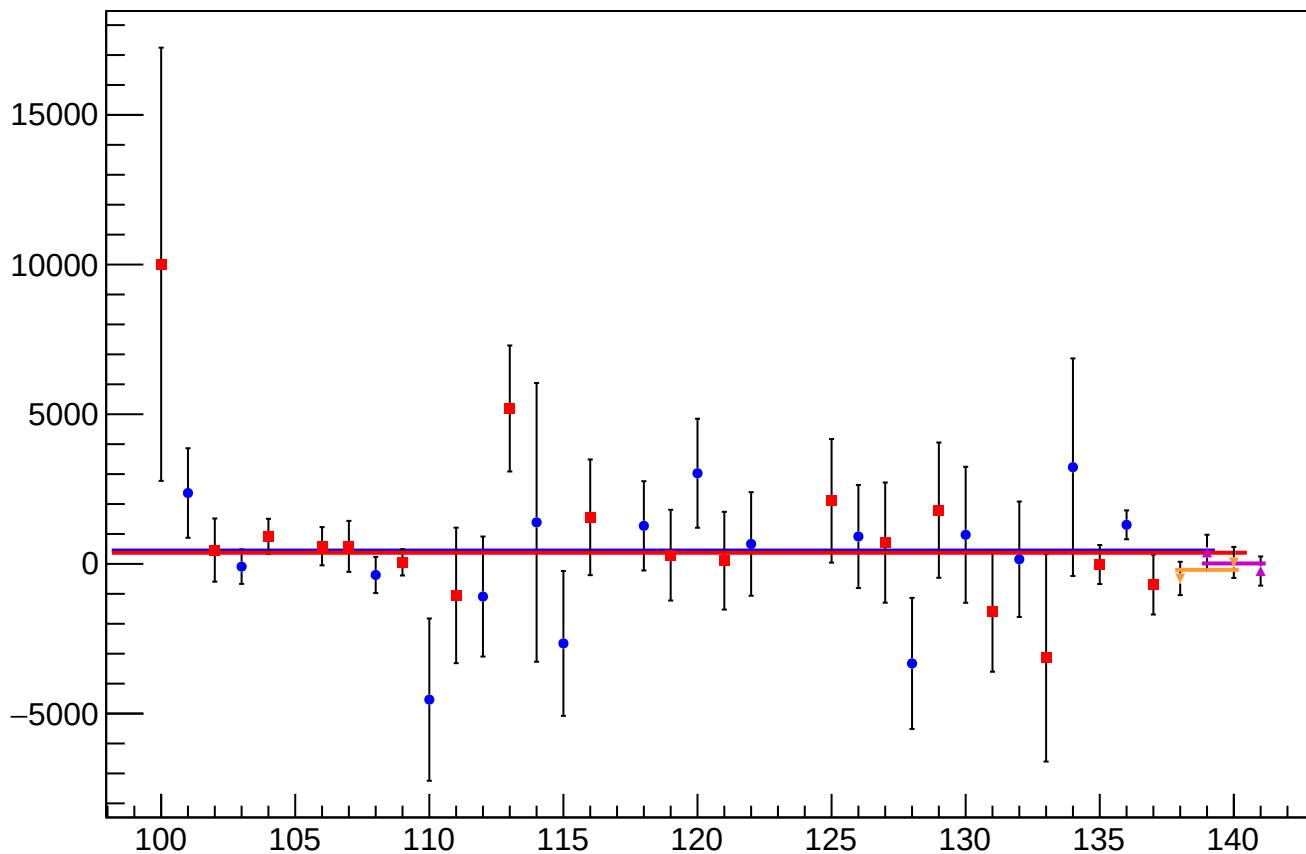
Left In: 1724.705+/-0.927 χ^2/NDF :1414.0/1

+ sign 1463.980+/-0.355 χ^2/NDF : 647688.3/17

All: 1456.256+/-0.249 χ^2/NDF : 1112321.5/37

- sign 1448.775+/-0.349 χ^2/NDF : 463699.6/19

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

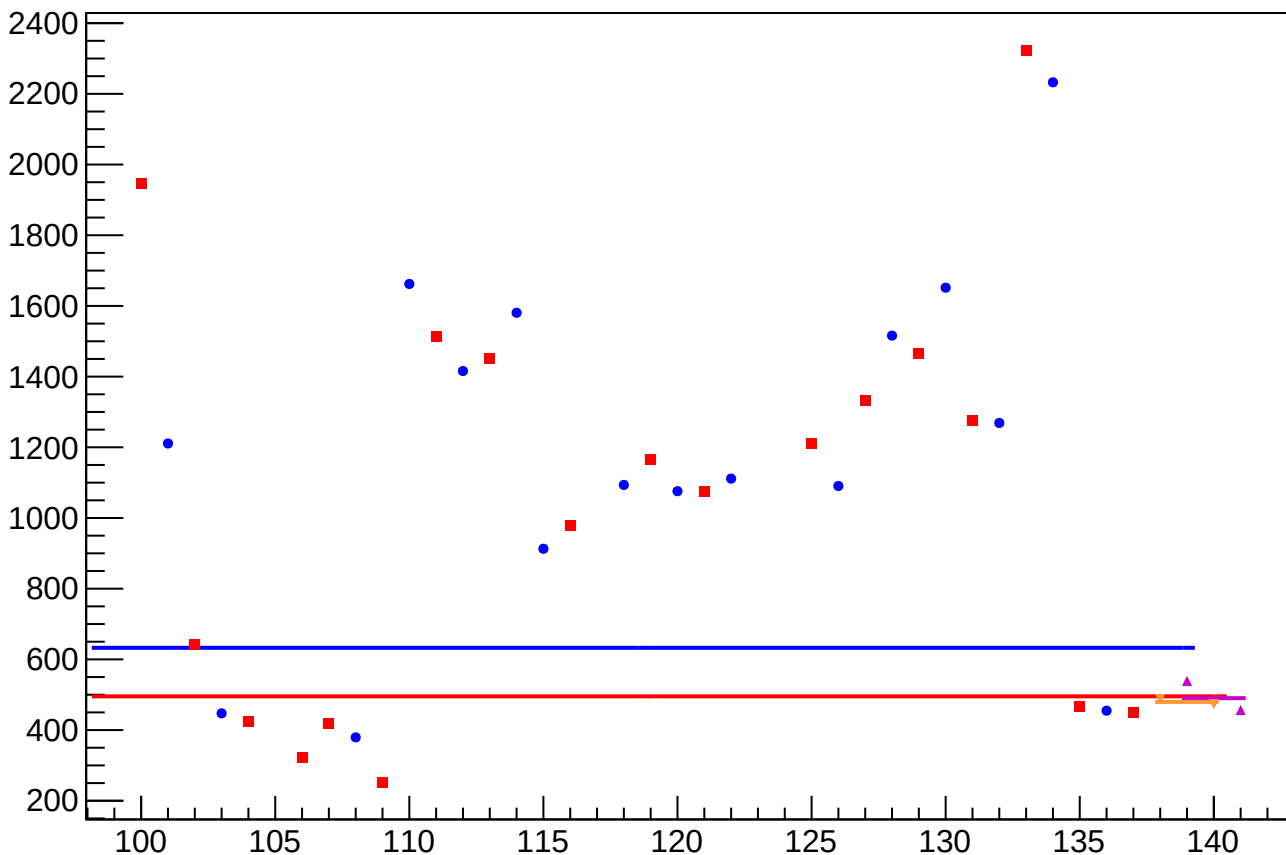
Left In: 14.984+/-375.737 χ^2/NDF : 0.7/1

+ sign 223.153+/-222.429 χ^2/NDF : 21.6/17

All: 251.785+/-147.476 χ^2/NDF : 36.9/37

- sign 274.246+/-197.003 χ^2/NDF : 15.3/19

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

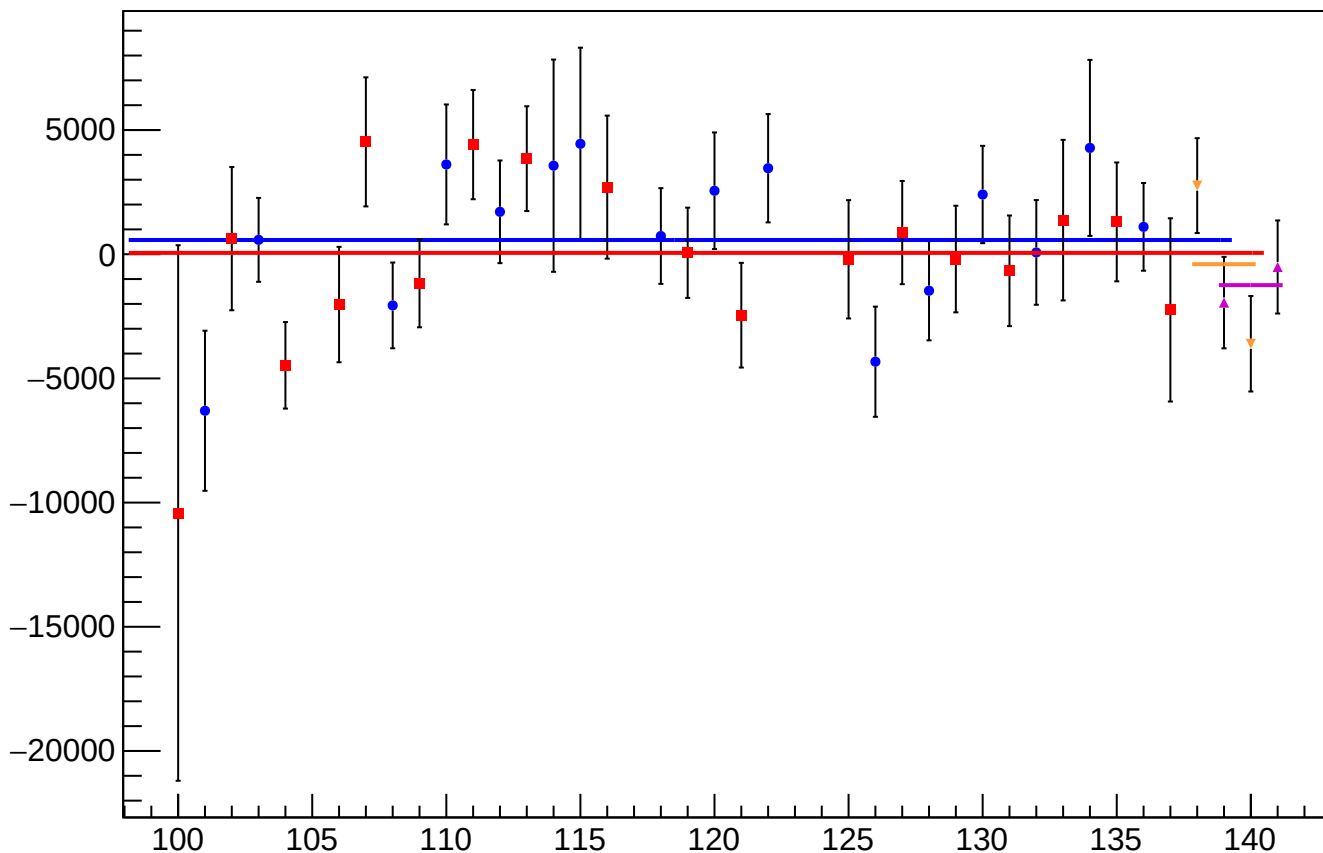
Left In: 490.287+/-0.266 χ^2/NDF : 23070.6/1

+ sign 580.002+/-0.157 χ^2/NDF : 3982388.2/17

All: 531.796+/-0.104 χ^2/NDF : 8510845.3/37

- sign 493.980+/-0.139 χ^2/NDF : 4360821.8/19

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

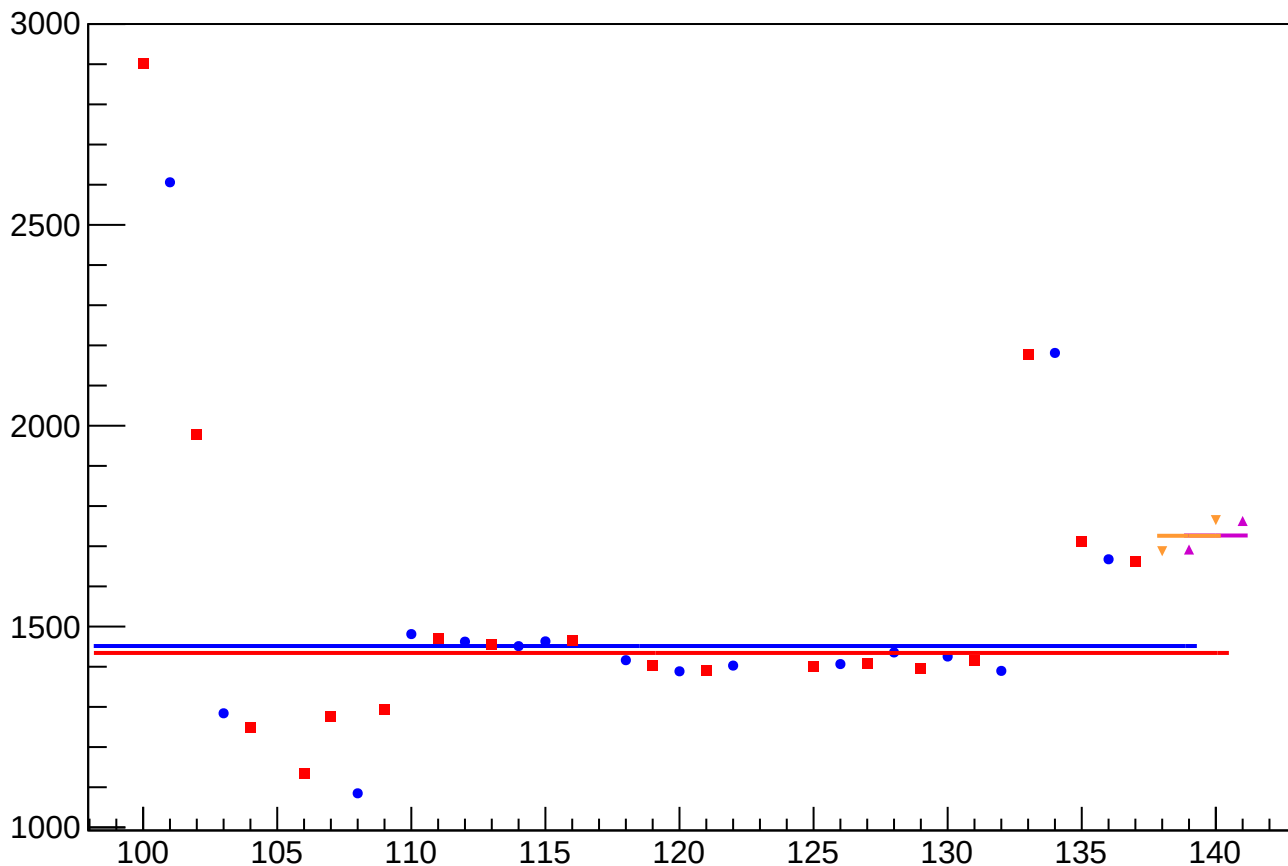
Left In: -1243.823 ± 1312.917 χ^2/NDF : 0.3/1

+ sign 434.679 ± 509.325 χ^2/NDF : 26.7/17

All: 145.536 ± 358.118 χ^2/NDF : 51.0/37

- sign -137.181 ± 503.633 χ^2/NDF : 23.6/19

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 $\pm$ 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

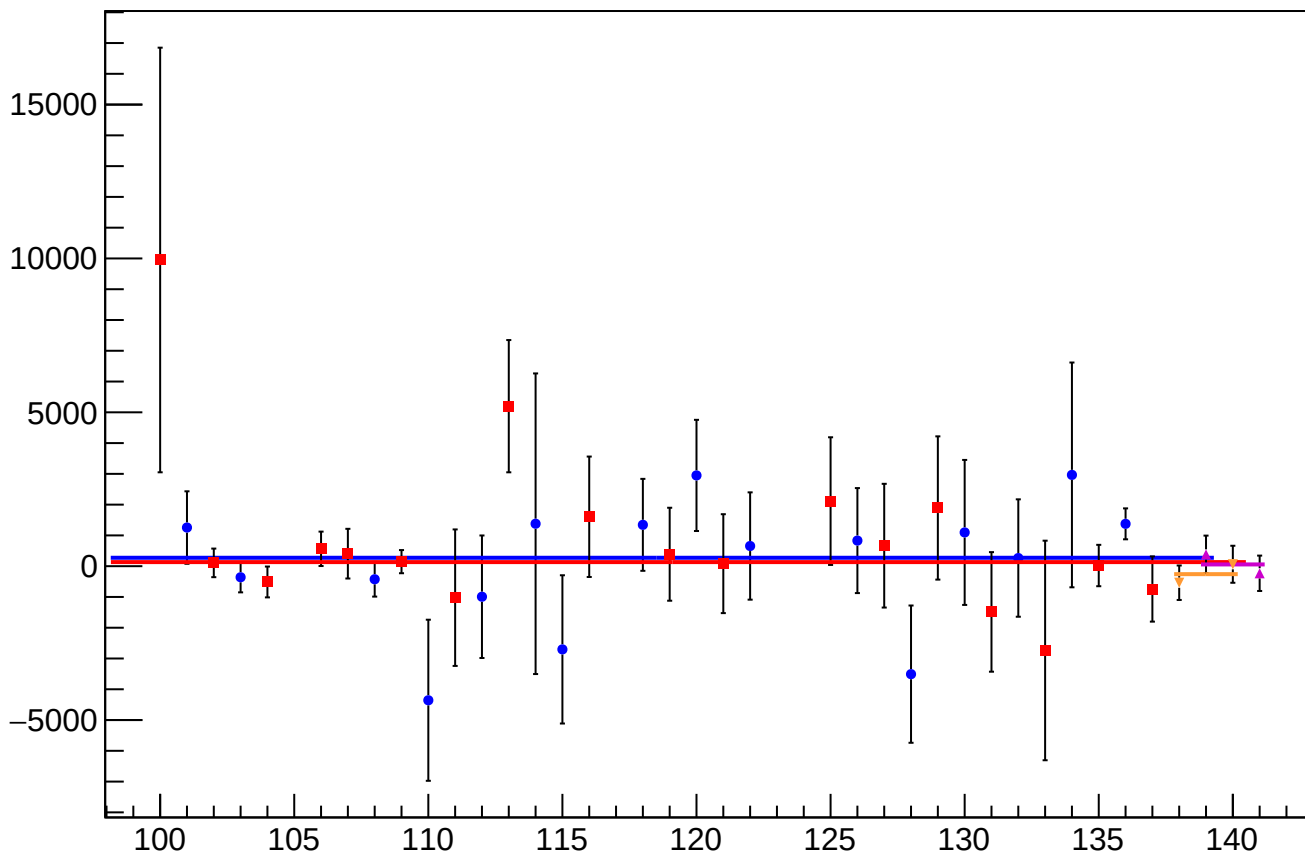
Left In: 1726.722 $\pm$ 0.928 χ^2 /NDF:1463.7/1

+ sign 1490.359 $\pm$ 0.360 χ^2 /NDF: 559926.2/17

All: 1483.780 $\pm$ 0.253 χ^2 /NDF: 975243.3/37

- sign 1477.347 $\pm$ 0.356 χ^2 /NDF: 414657.1/19

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 273.439 $\pm$ 260.537 χ^2 /NDF: 20.2/15

Left Out: -259.145 $\pm$ 409.790 χ^2 /NDF:0.5/1

Right Out: 132.573 $\pm$ 195.933 χ^2 /NDF: 14.4/17

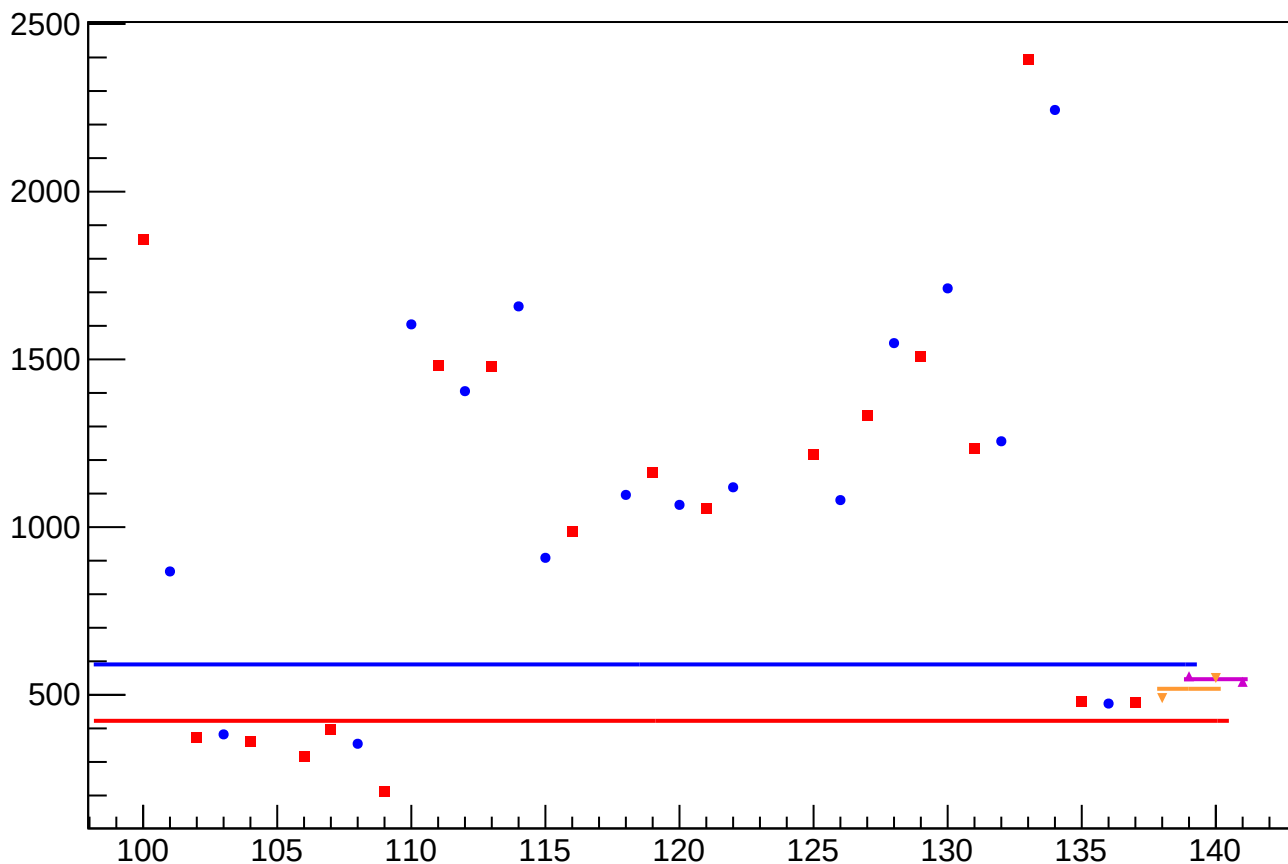
Left In: 56.813 $\pm$ 418.640 χ^2 /NDF:0.5/1

+ sign 120.130 $\pm$ 219.863 χ^2 /NDF: 21.9/17

All: 119.421 $\pm$ 138.090 χ^2 /NDF: 36.9/37

- sign 118.960 $\pm$ 177.459 χ^2 /NDF: 15.0/19

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

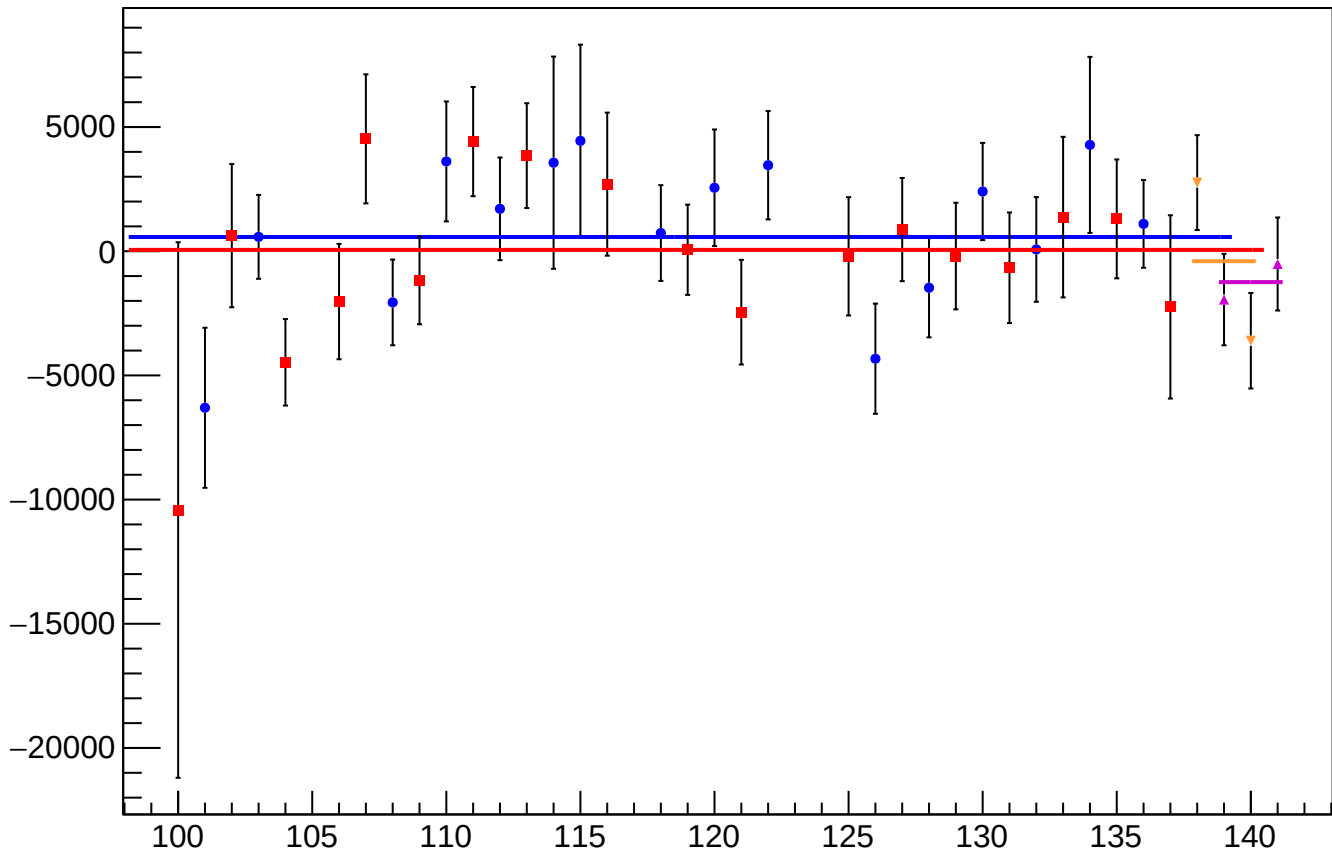
Left In: 546.725+/-0.296 χ^2/NDF :783.0/1

+ sign 569.837+/-0.155 χ^2/NDF : 3940885.7/17

All: 494.201+/-0.098 χ^2/NDF : 9334726.7/37

- sign 444.927+/-0.125 χ^2/NDF : 5002957.7/19

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290 ± 549.638 χ^2/NDF : 20.8/15

Left Out: -401.538 ± 1354.902 χ^2/NDF : 5.5/1

Right Out: 53.752 ± 545.353 χ^2/NDF : 22.5/17

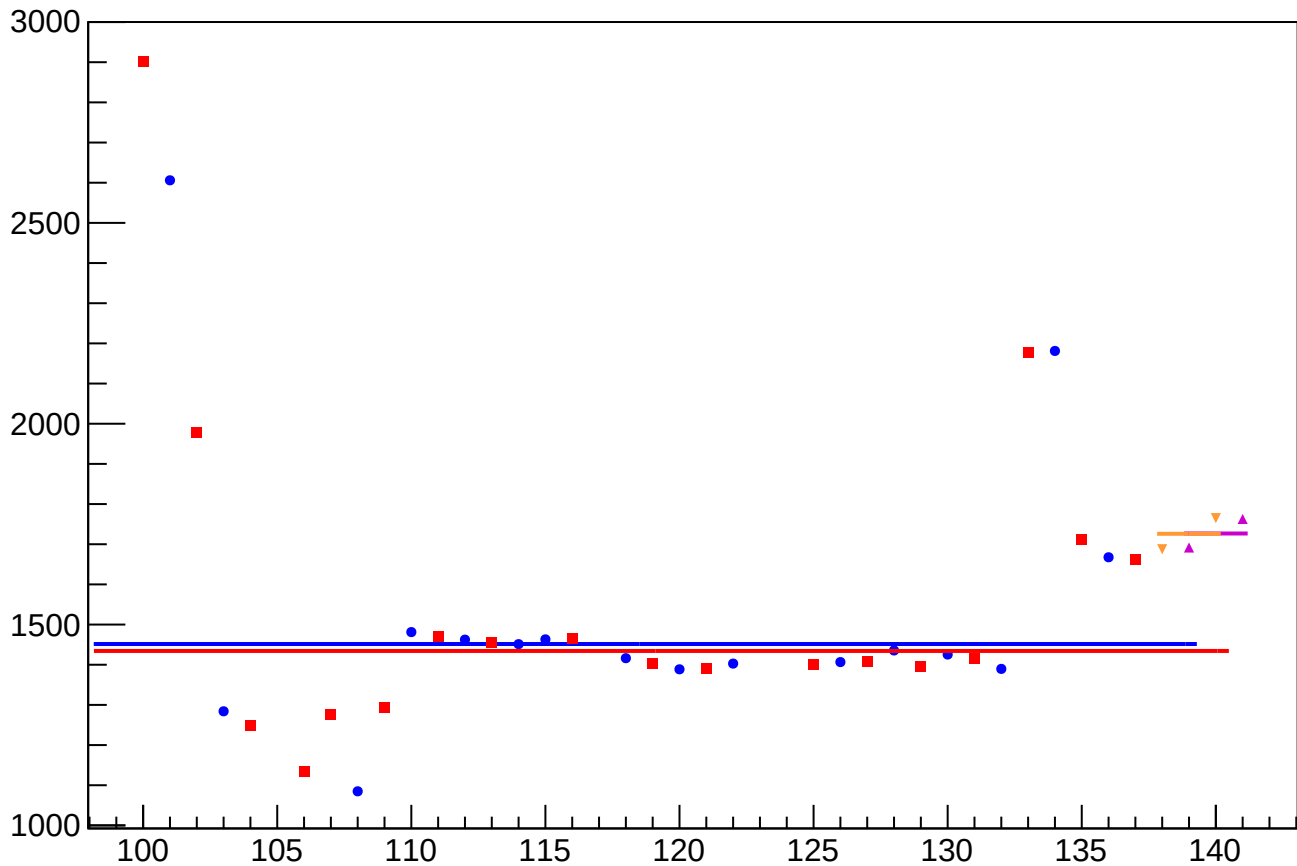
Left In: -1243.809 ± 1312.917 χ^2/NDF : 0.3/1

+ sign 434.678 ± 509.325 χ^2/NDF : 26.7/17

All: 145.535 ± 358.118 χ^2/NDF : 51.0/37

- sign -137.181 ± 503.633 χ^2/NDF : 23.6/19

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF : 487836.2/15

Left Out: 1726.014+/-0.958 χ^2/NDF : 1632.0/1

Right Out: 1434.321+/-0.386 χ^2/NDF : 328590.5/17

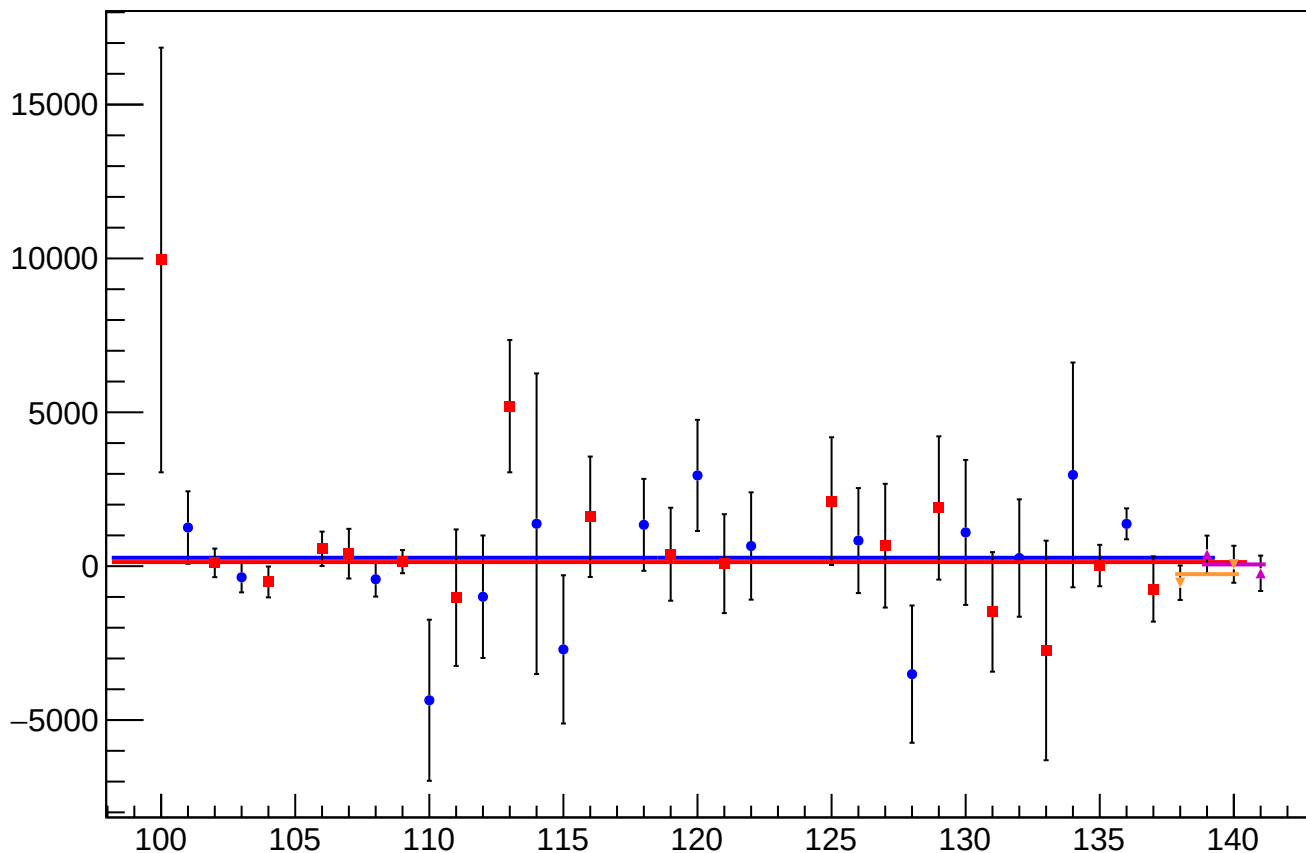
Left In: 1726.722+/-0.928 χ^2/NDF : 1463.7/1

+ sign 1490.359+/-0.360 χ^2/NDF : 559925.9/17

All: 1483.780+/-0.253 χ^2/NDF : 975243.3/37

- sign 1477.347+/-0.356 χ^2/NDF : 414657.3/19

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

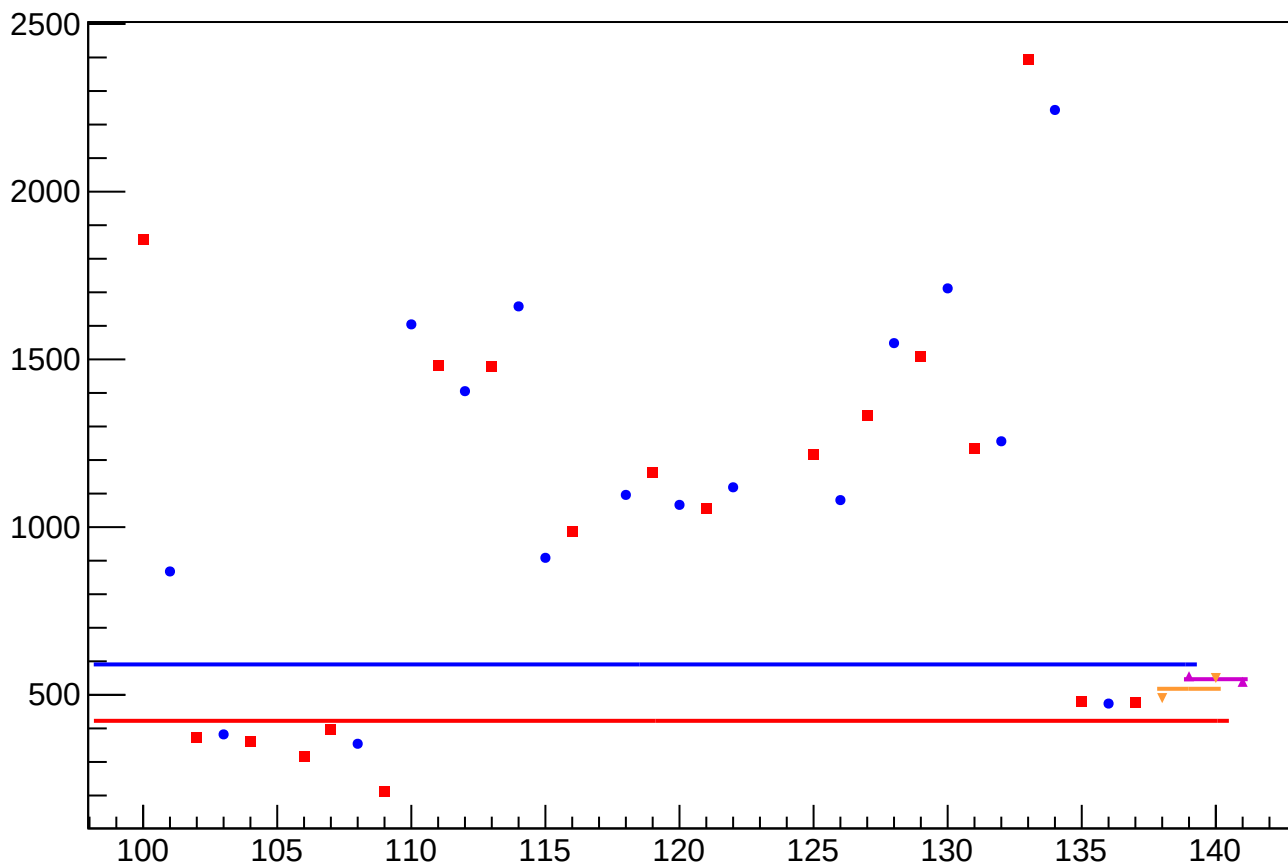
Left In: 56.825 $\pm$ 418.651 χ^2 /NDF:0.5/1

+ sign 120.128 $\pm$ 219.864 χ^2 /NDF: 21.9/17

All: 119.420 $\pm$ 138.092 χ^2 /NDF: 36.9/37

- sign 118.958 $\pm$ 177.461 χ^2 /NDF: 15.0/19

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

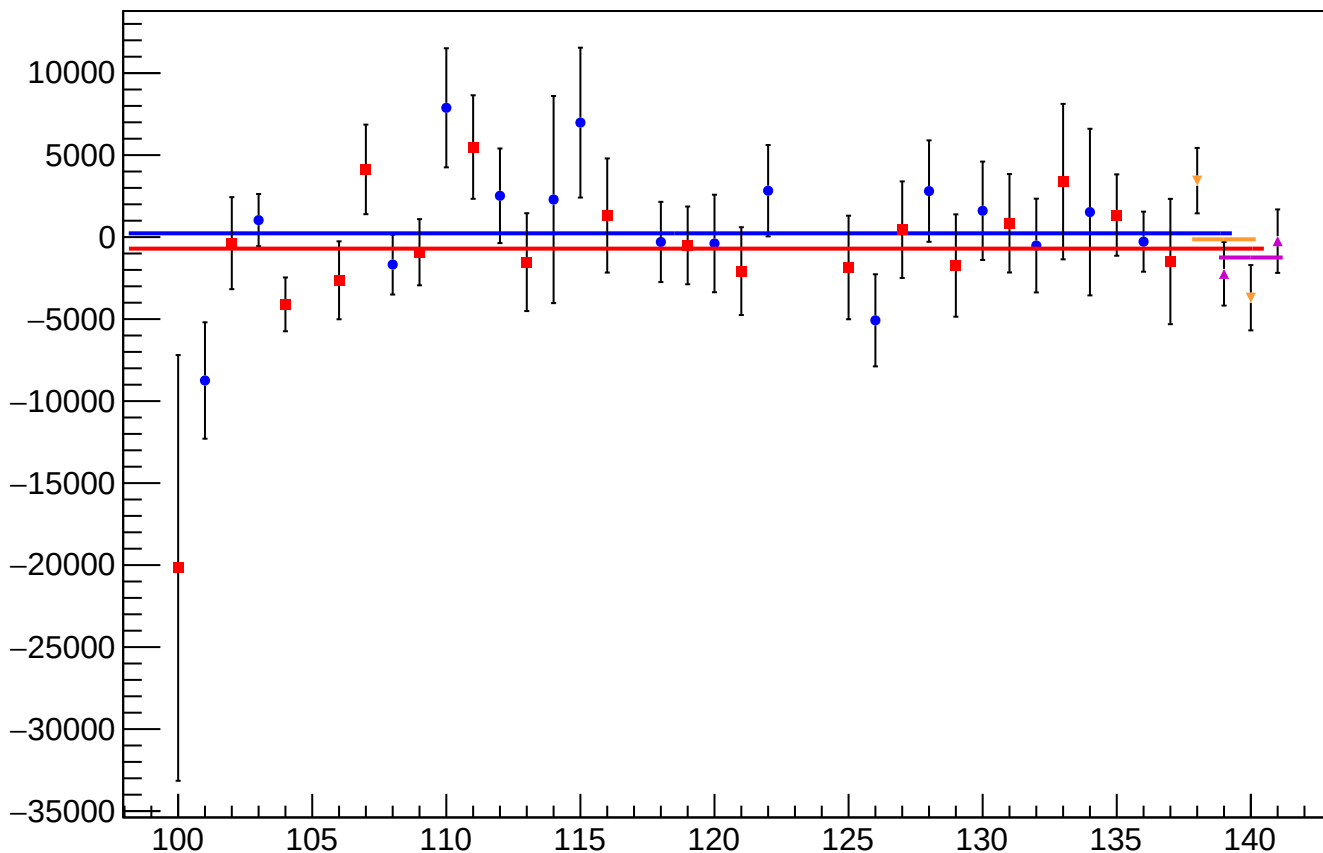
Left In: 546.740+/-0.296 χ^2/NDF :784.3/1

+ sign 569.841+/-0.155 χ^2/NDF : 3940884.5/17

All: 494.207+/-0.098 χ^2/NDF : 9334639.6/37

- sign 444.934+/-0.125 χ^2/NDF : 5002892.3/19

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

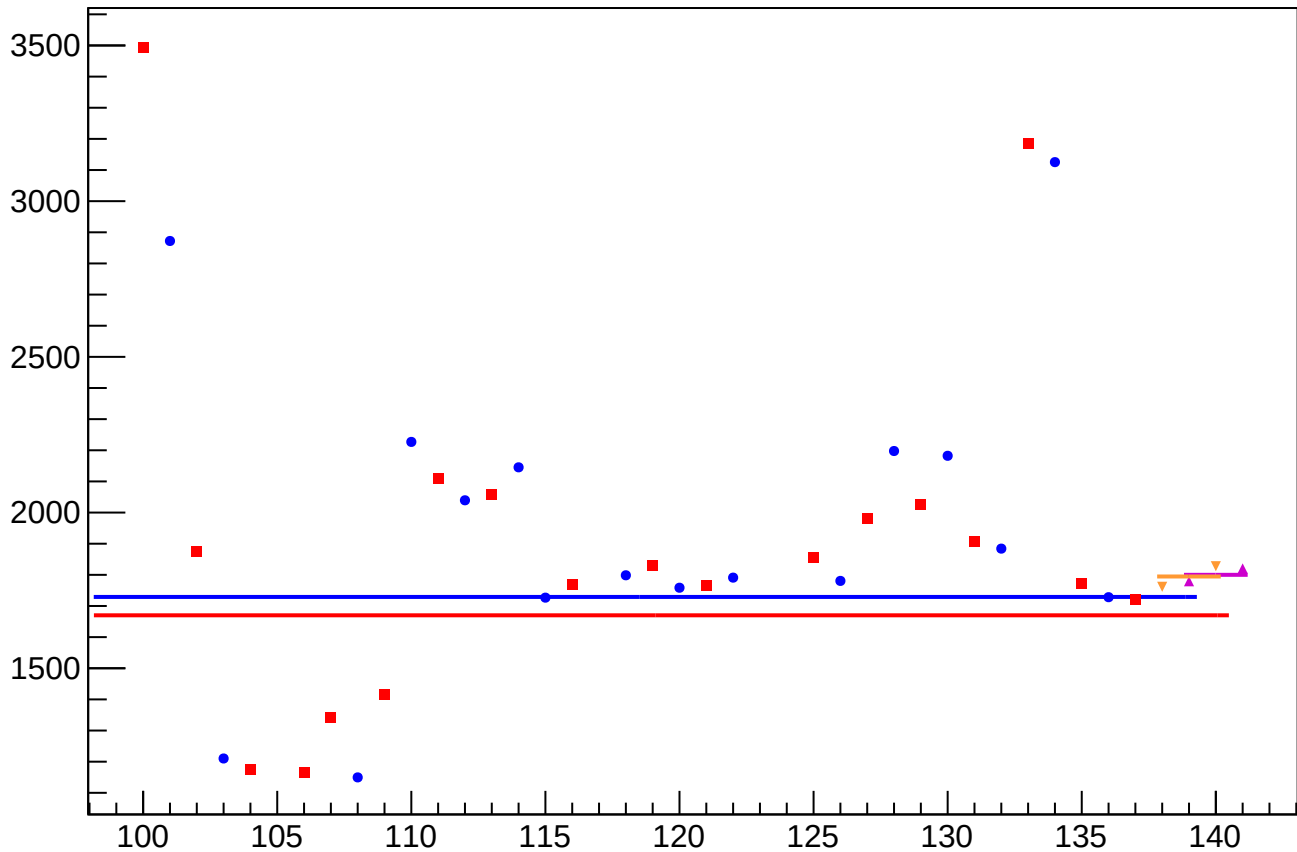
Left In: -1243.598 ± 1368.459 χ^2/NDF : 0.5/1

+ sign 164.047 ± 602.280 χ^2/NDF : 27.2/17

All: -332.039 ± 419.963 χ^2/NDF : 46.2/37

- sign -801.497 ± 585.894 χ^2/NDF : 17.7/19

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF : 942079.1/15

Left Out: 1794.709+/-0.996 χ^2/NDF : 1097.6/1

Right Out: 1670.056+/-0.458 χ^2/NDF : 744452.0/17

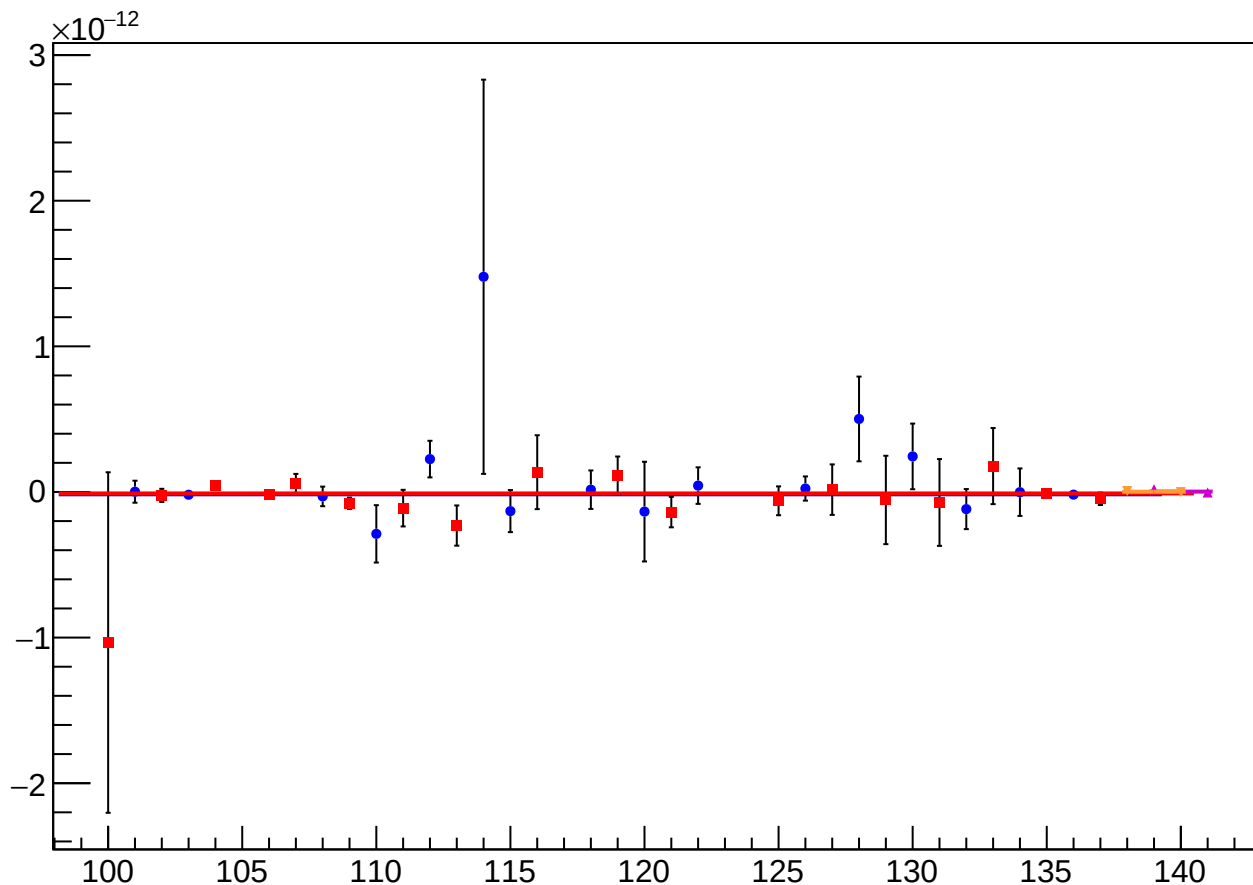
Left In: 1800.046+/-0.968 χ^2/NDF : 454.8/1

+ sign 1741.051+/-0.426 χ^2/NDF : 946727.4/17

All: 1716.817+/-0.297 χ^2/NDF : 1712674.7/37

- sign 1693.884+/-0.414 χ^2/NDF : 759645.0/19

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

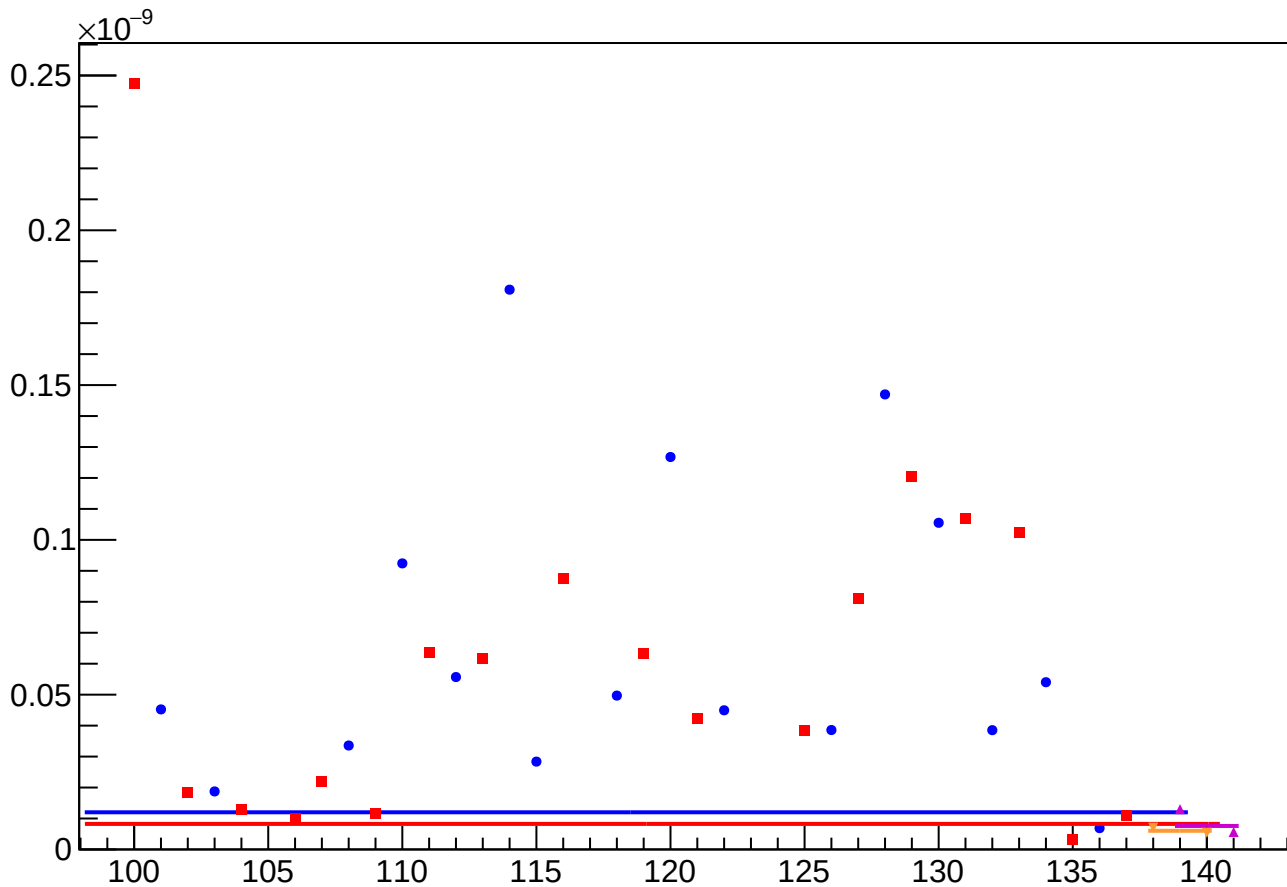
Left In: 0.000+/-0.000 χ^2 /NDF:1.2/1

+ sign -0.000+/-0.000 χ^2 /NDF: 15.4/17

All: -0.000+/-0.000 χ^2 /NDF: 34.1/37

- sign -0.000+/-0.000 χ^2 /NDF: 18.7/19

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

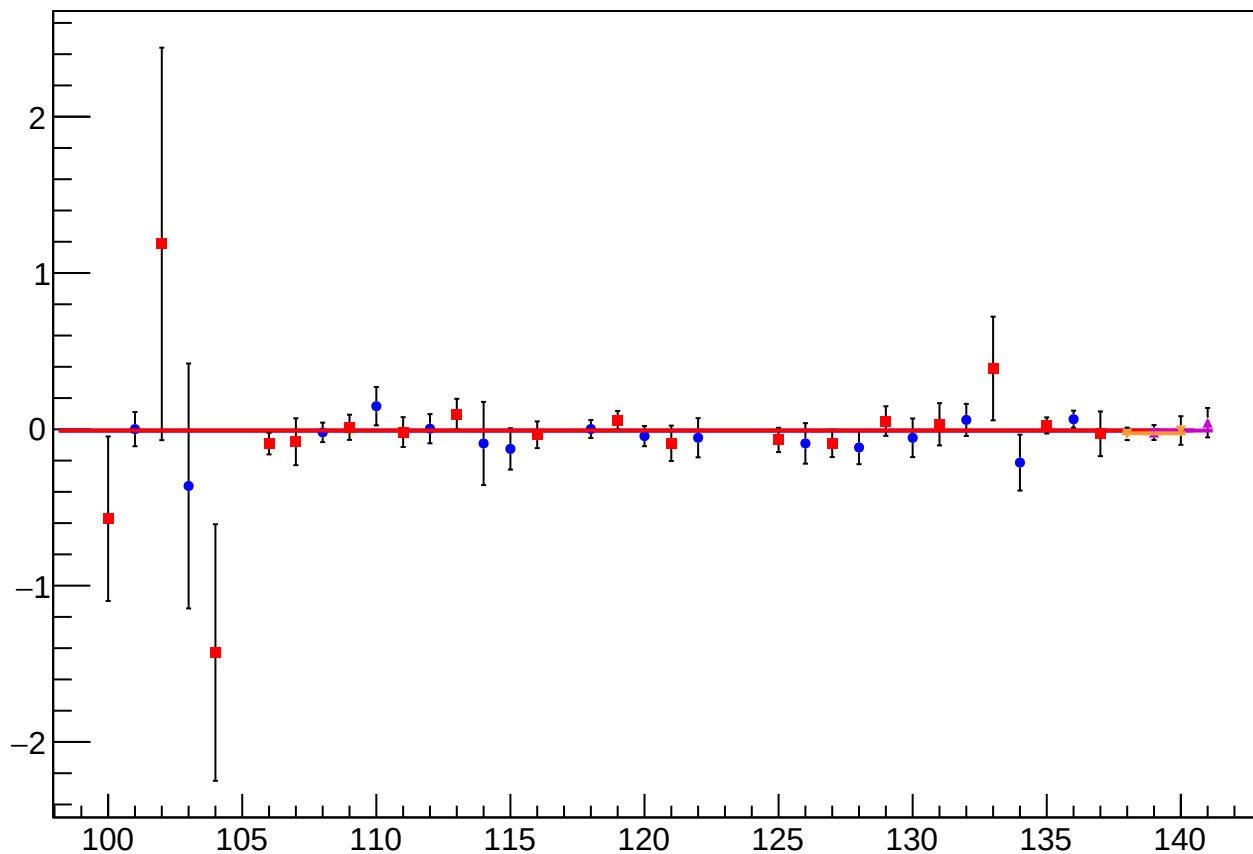
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:262921.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3876043.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7657089.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3778733.9/19

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.023 χ^2/NDF : 8.3/15

Left Out: -0.026 ± 0.037 χ^2/NDF : 0.0/1

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

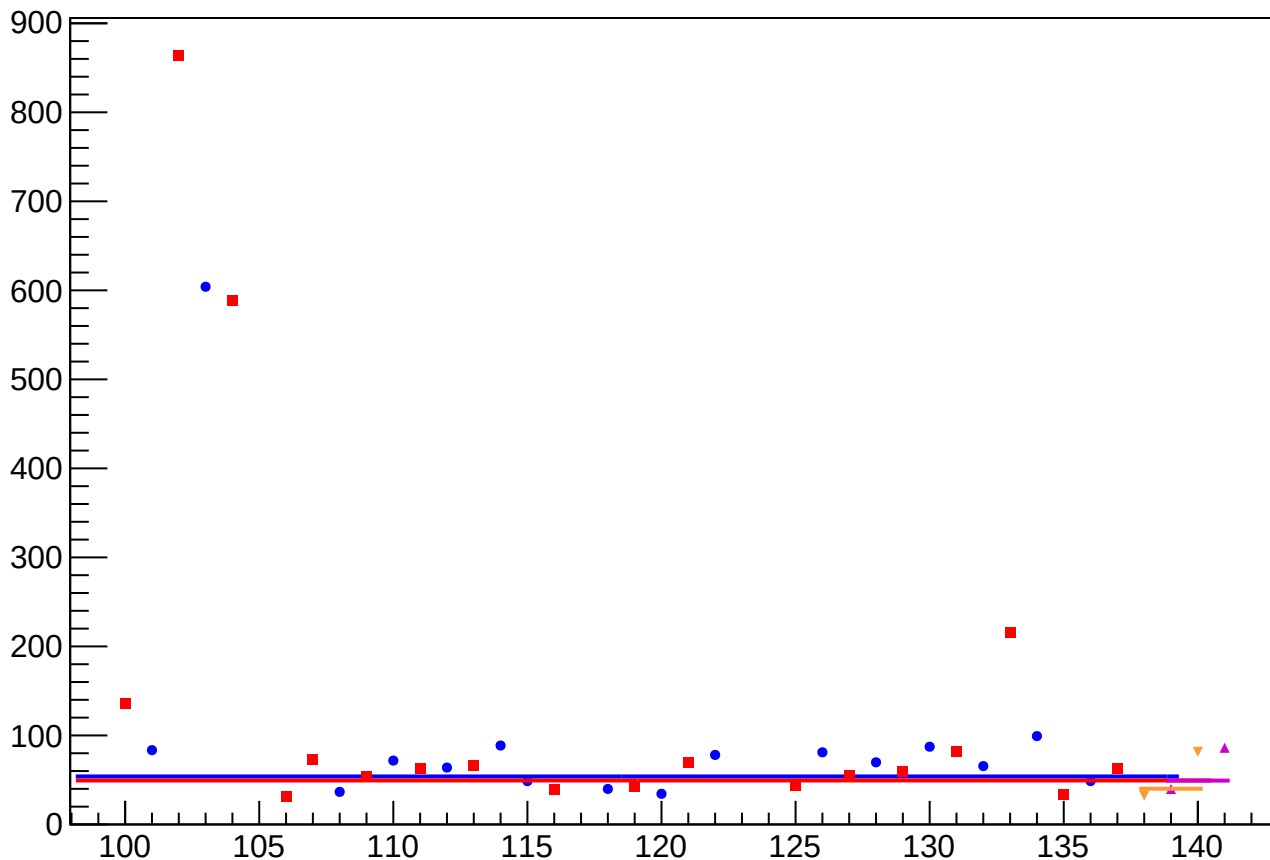
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.010 ± 0.014 χ^2/NDF : 22.6/37

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

asym_us_dd_at2lr_dd_dd_dit_vs_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

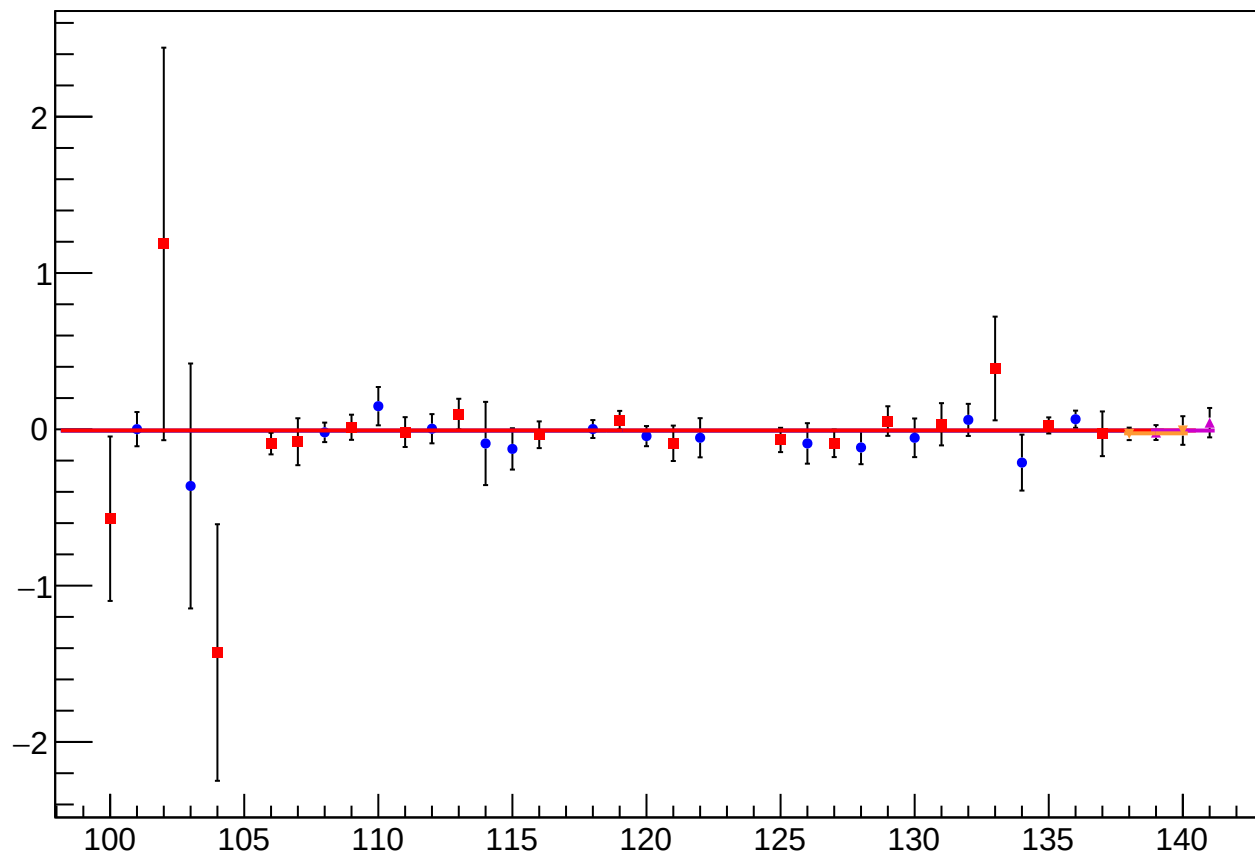
Left In: 49.274 $\pm$ 0.030 χ^2 /NDF: 387259.2/1

+ sign 49.995 $\pm$ 0.014 χ^2 /NDF: 2903877.8/17

All: 49.694 $\pm$ 0.010 χ^2 /NDF: 6309831.9/37

- sign 49.388 $\pm$ 0.014 χ^2 /NDF: 3404997.0/19

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

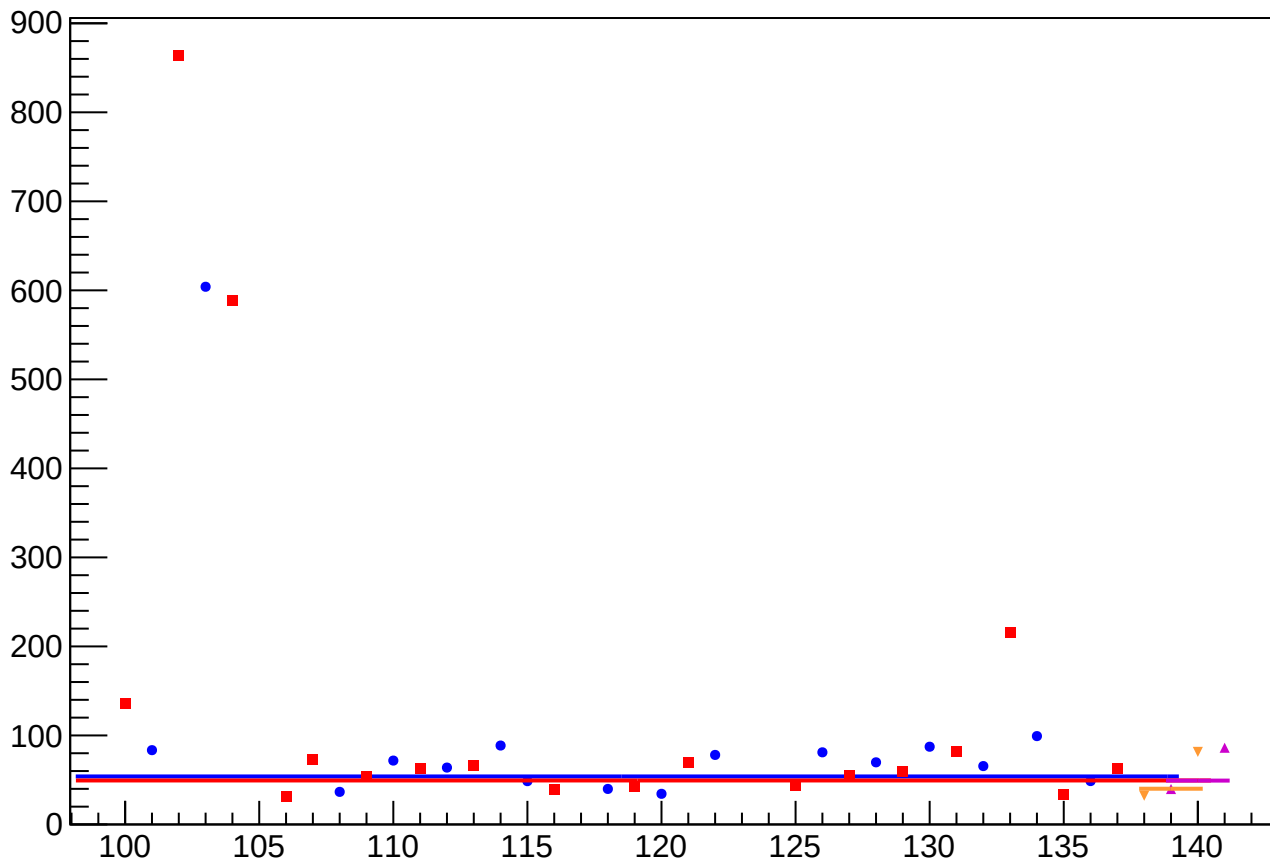
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.010 ± 0.014 χ^2/NDF : 22.6/37

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

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

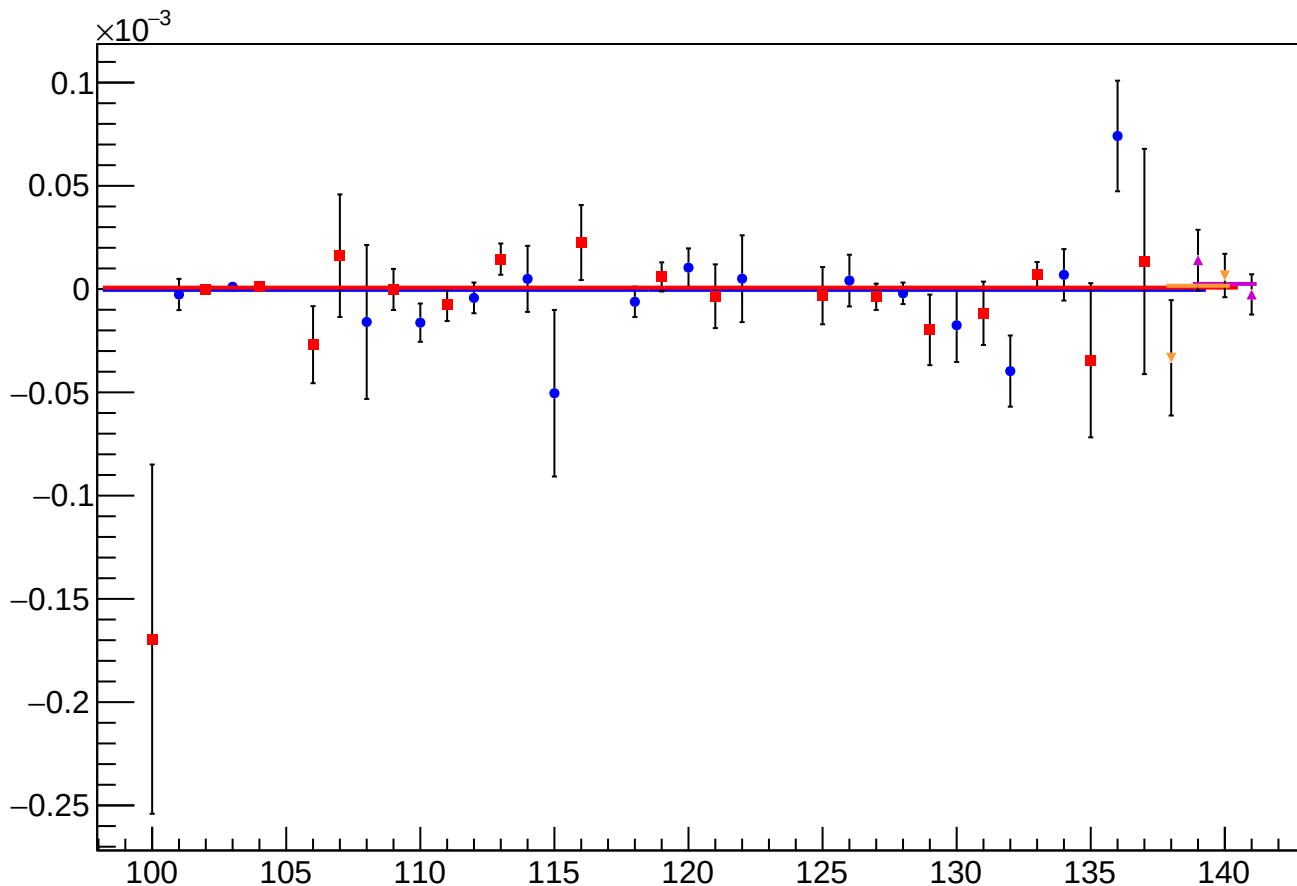
Left In: 49.274 $\pm$ 0.030 χ^2 /NDF: 387259.2/1

+ sign 49.995 $\pm$ 0.014 χ^2 /NDF: 2903877.8/17

All: 49.694 $\pm$ 0.010 χ^2 /NDF: 6309831.9/37

- sign 49.388 $\pm$ 0.014 χ^2 /NDF: 3404997.0/19

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/17

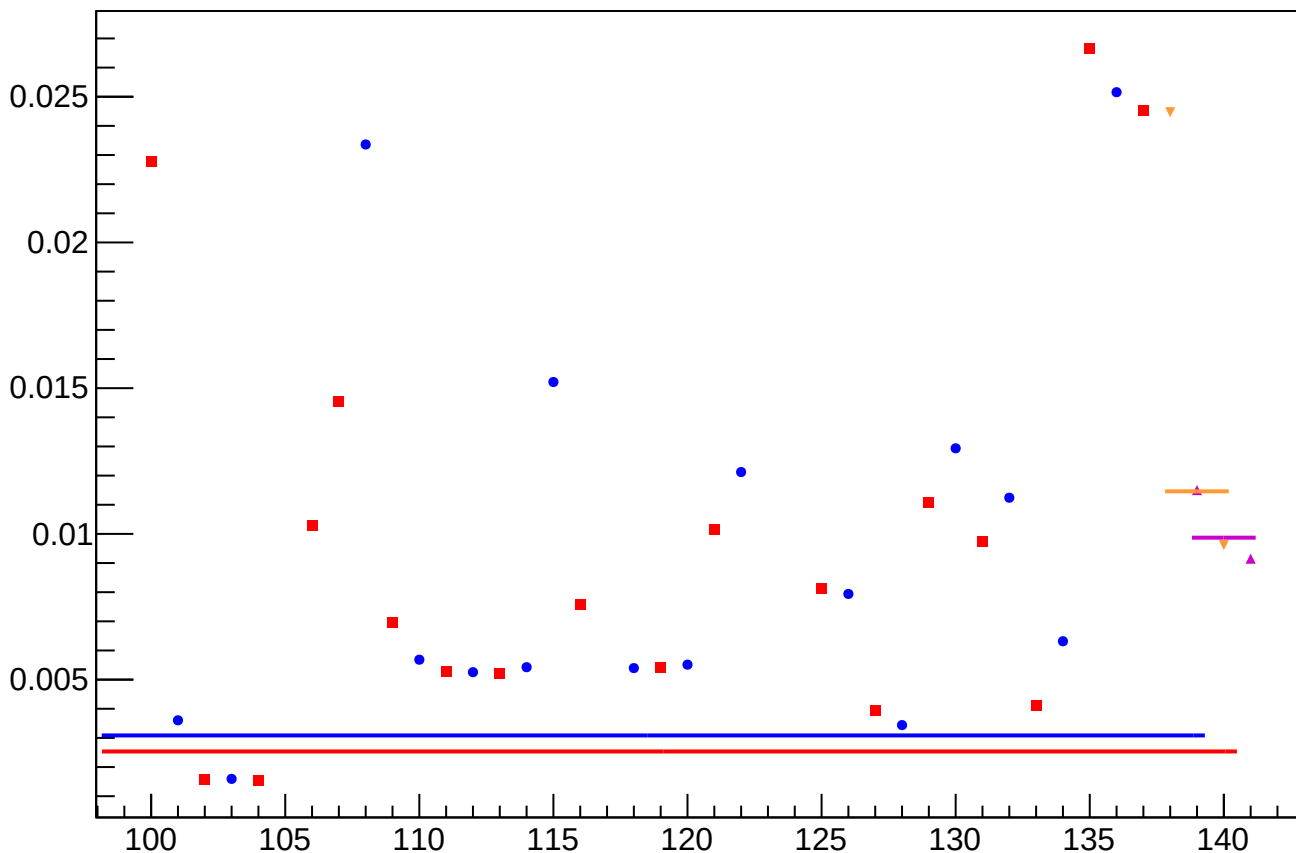
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/19

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

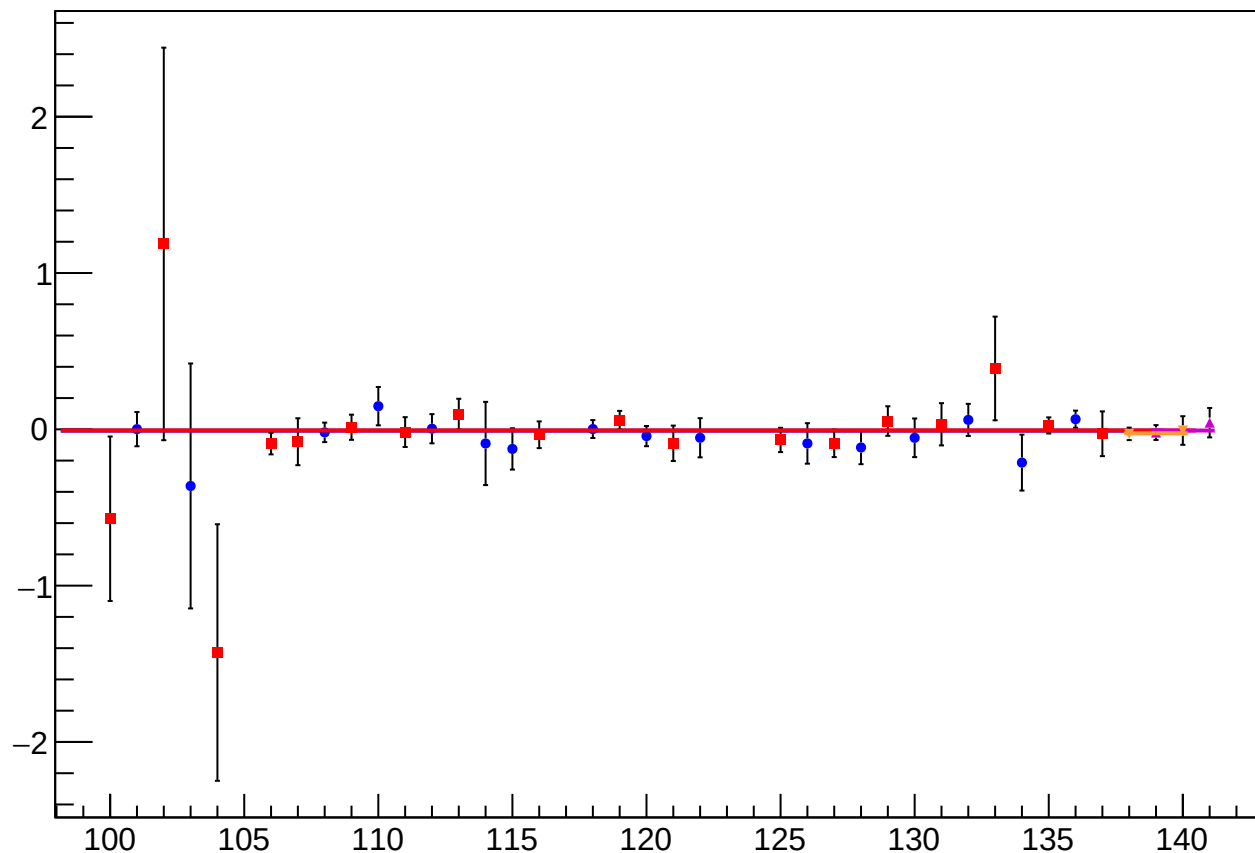
Left In: 0.010+/-0.000 χ^2/NDF : 35630.2/1

+ sign 0.003+/-0.000 χ^2/NDF : 7684906.4/17

All: 0.003+/-0.000 χ^2/NDF : 15721277.6/37

- sign 0.003+/-0.000 χ^2/NDF : 7863852.0/19

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.023 $\chi^2/\text{NDF}: 8.3/15$

Left Out: -0.026 ± 0.037 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -0.007 ± 0.022 $\chi^2/\text{NDF}: 13.7/17$

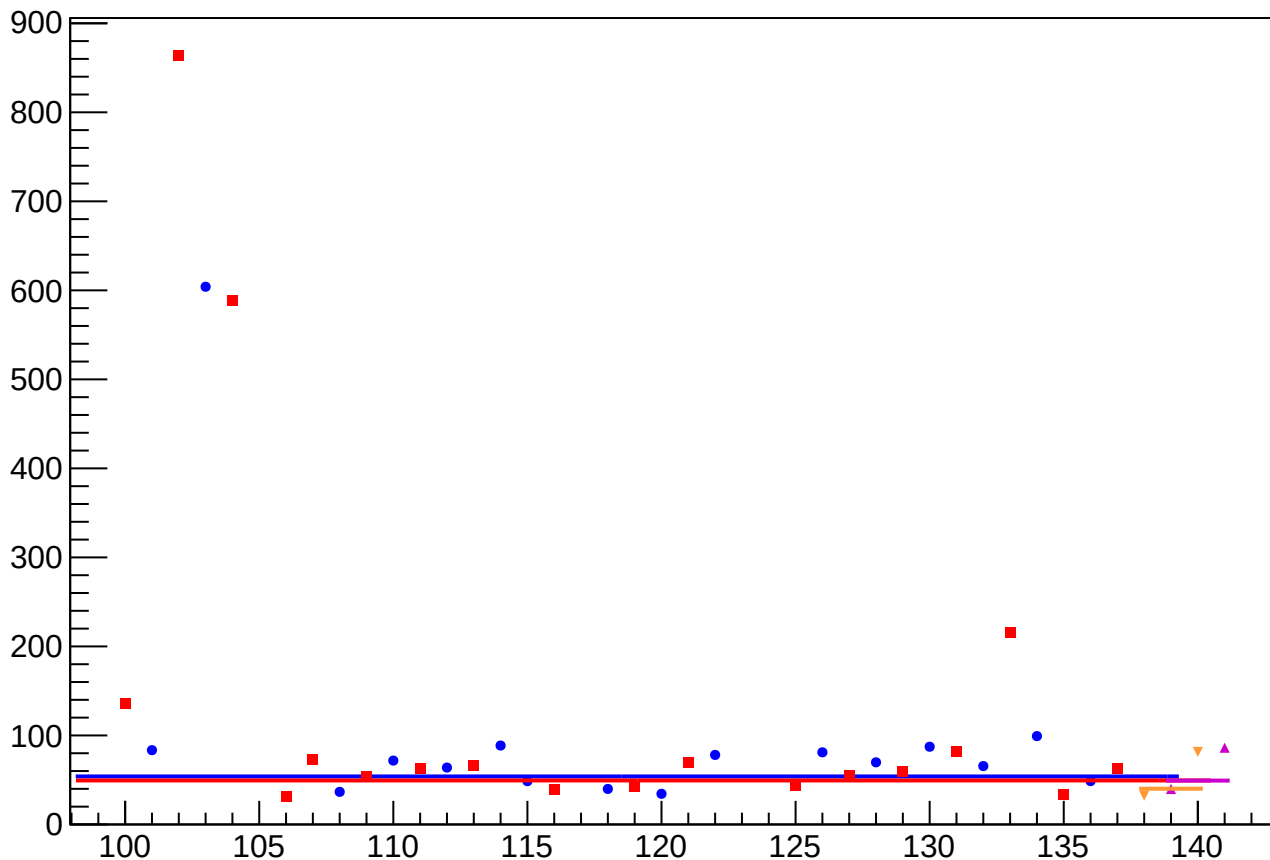
Left In: -0.008 ± 0.042 $\chi^2/\text{NDF}: 0.4/1$

+ sign -0.013 ± 0.020 $\chi^2/\text{NDF}: 8.5/17$

All: -0.010 ± 0.014 $\chi^2/\text{NDF}: 22.6/37$

- sign -0.007 ± 0.020 $\chi^2/\text{NDF}: 14.0/19$

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

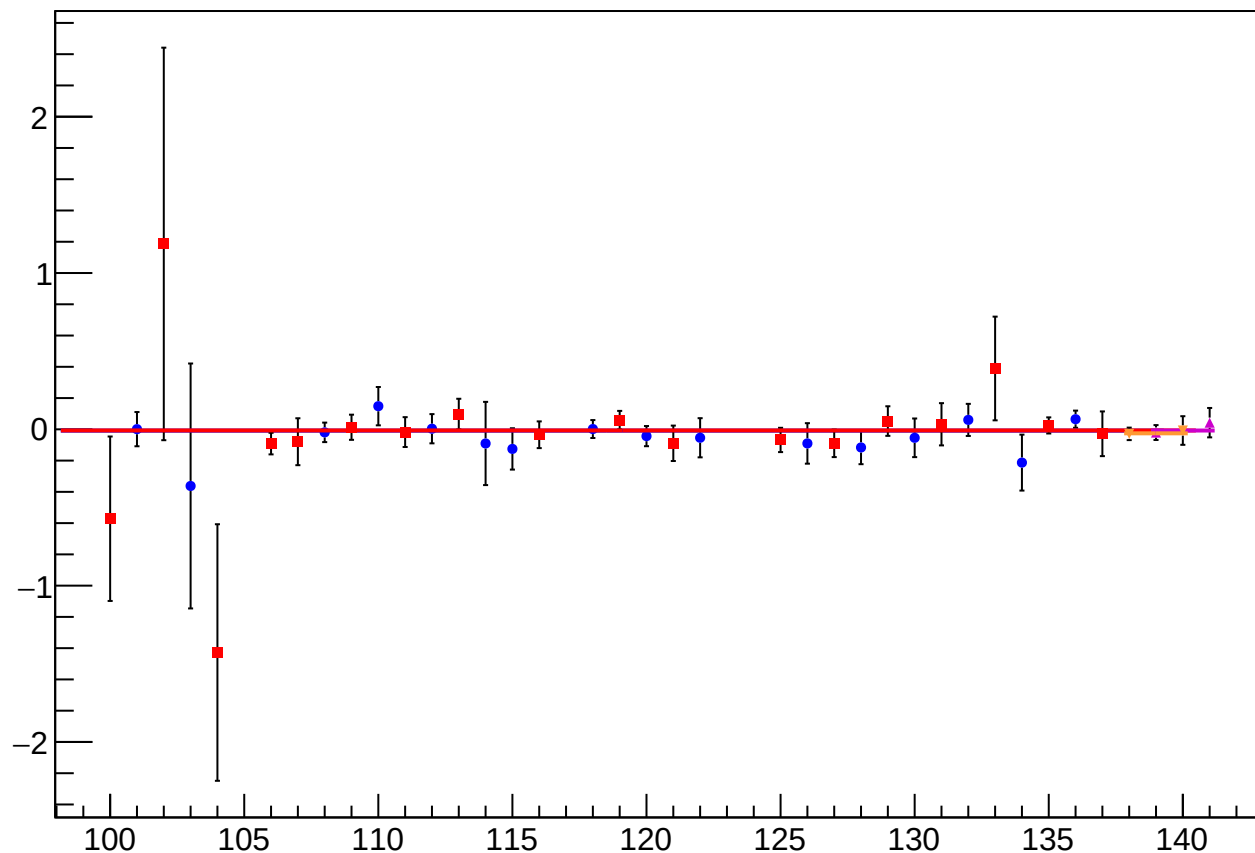
Left In: 49.277 $\pm$ 0.030 χ^2 /NDF: 387286.6/1

+ sign 50.001 $\pm$ 0.014 χ^2 /NDF: 2903134.3/17

All: 49.698 $\pm$ 0.010 χ^2 /NDF: 6308847.2/37

- sign 49.391 $\pm$ 0.014 χ^2 /NDF: 3404745.1/19

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.023 χ^2/NDF : 8.3/15

Left Out: -0.026 ± 0.037 χ^2/NDF : 0.0/1

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

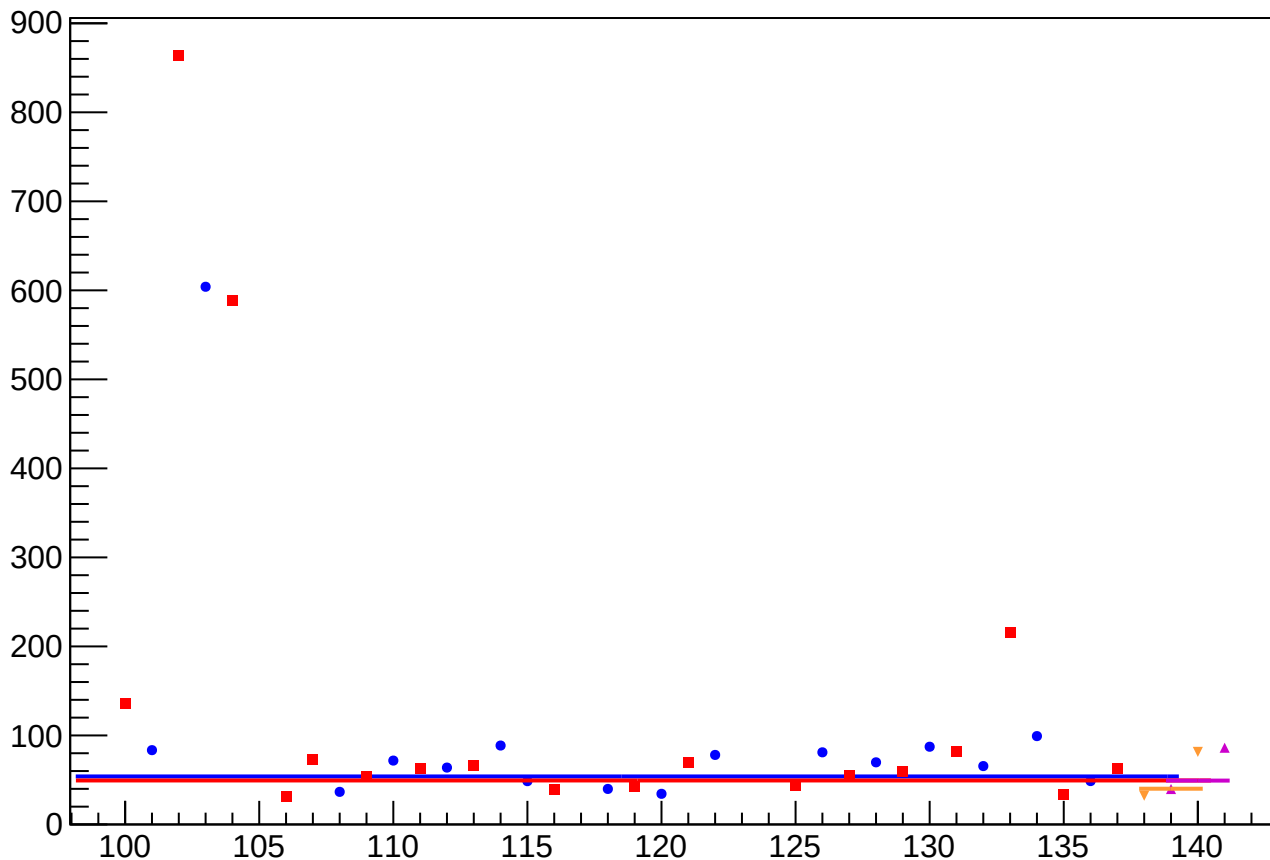
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.013 ± 0.020 χ^2/NDF : 8.5/17

All: -0.010 ± 0.014 χ^2/NDF : 22.6/37

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_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

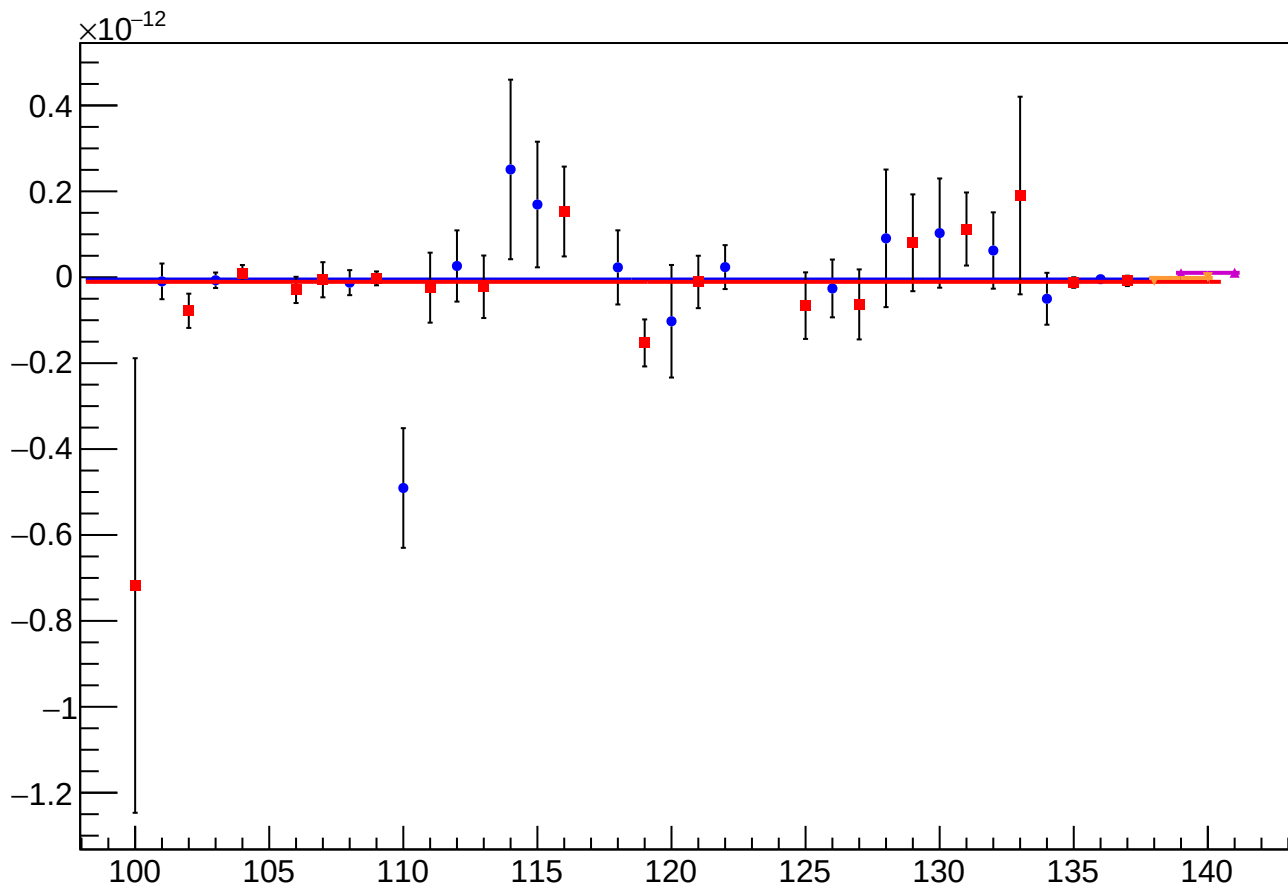
Left In: 49.277 $\pm$ 0.030 χ^2 /NDF: 387286.6/1

+ sign 50.001 $\pm$ 0.014 χ^2 /NDF: 2903134.3/17

All: 49.698 $\pm$ 0.010 χ^2 /NDF: 6308847.2/37

- sign 49.391 $\pm$ 0.014 χ^2 /NDF: 3404745.1/19

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_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: 0.8/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/17

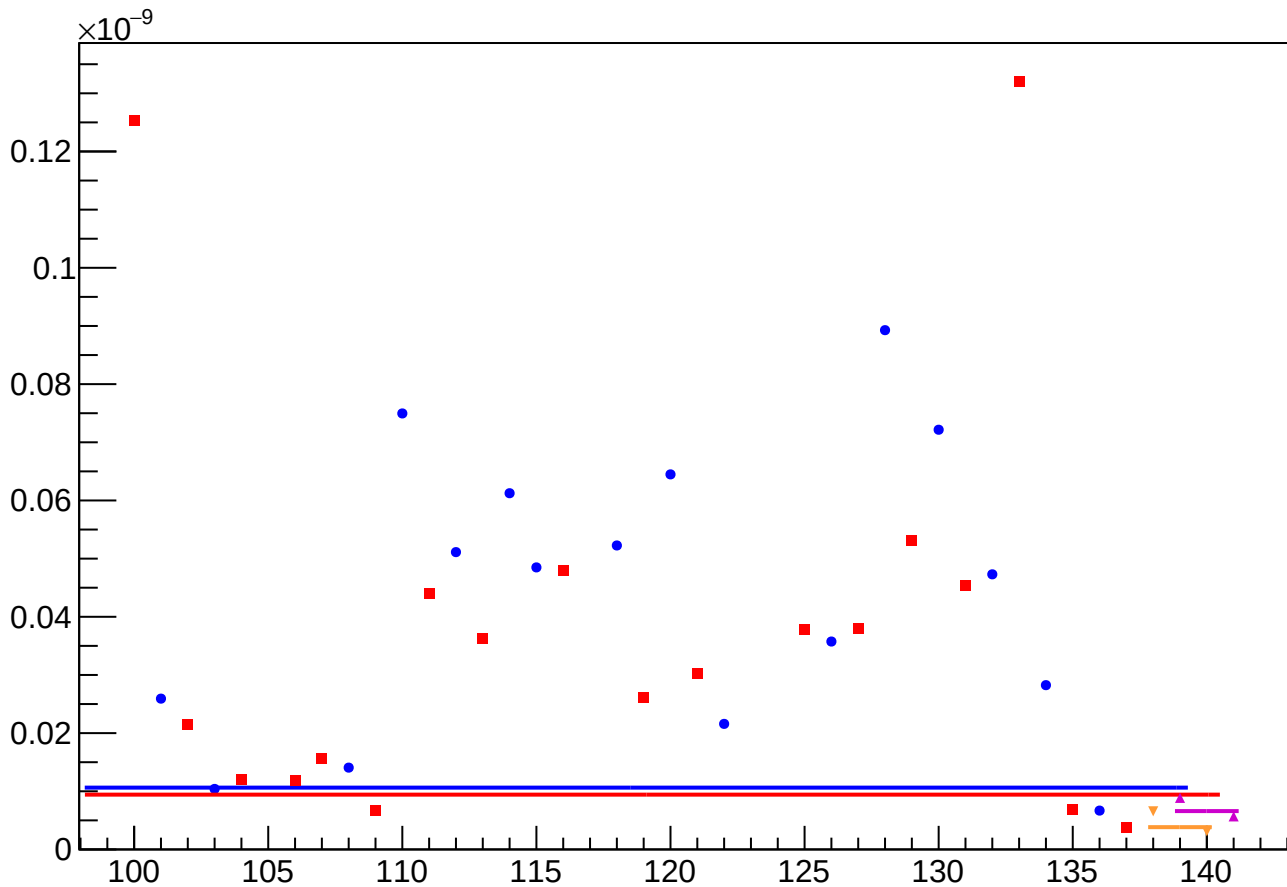
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.6/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/19

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4557309.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:231221.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4029424.5/17

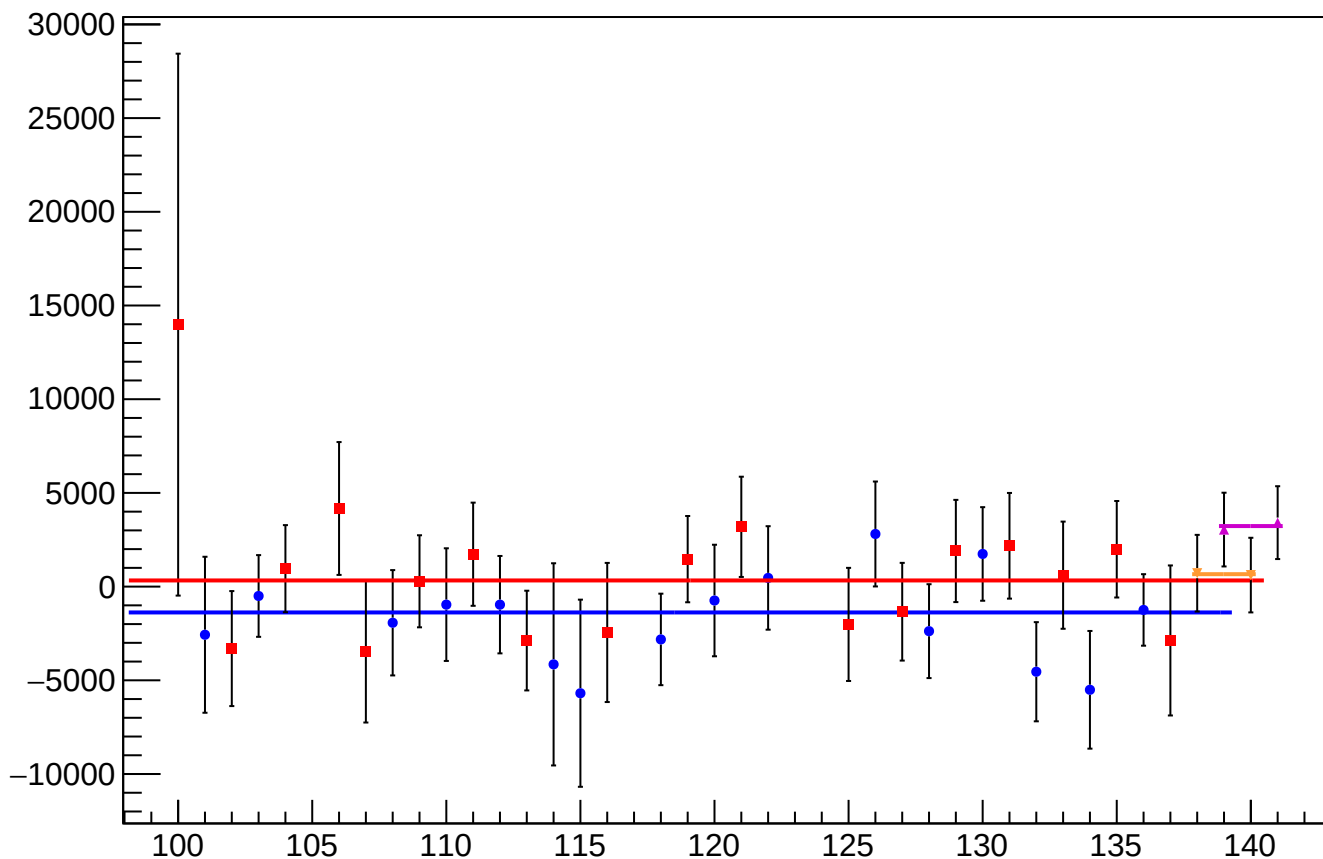
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:115022.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6242653.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10921257.4/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4350306.7/19

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF : 9.3/15

Left Out: 663.442+/-1426.856 χ^2/NDF : 0.0/1

Right Out: 328.770+/-683.888 χ^2/NDF : 11.0/17

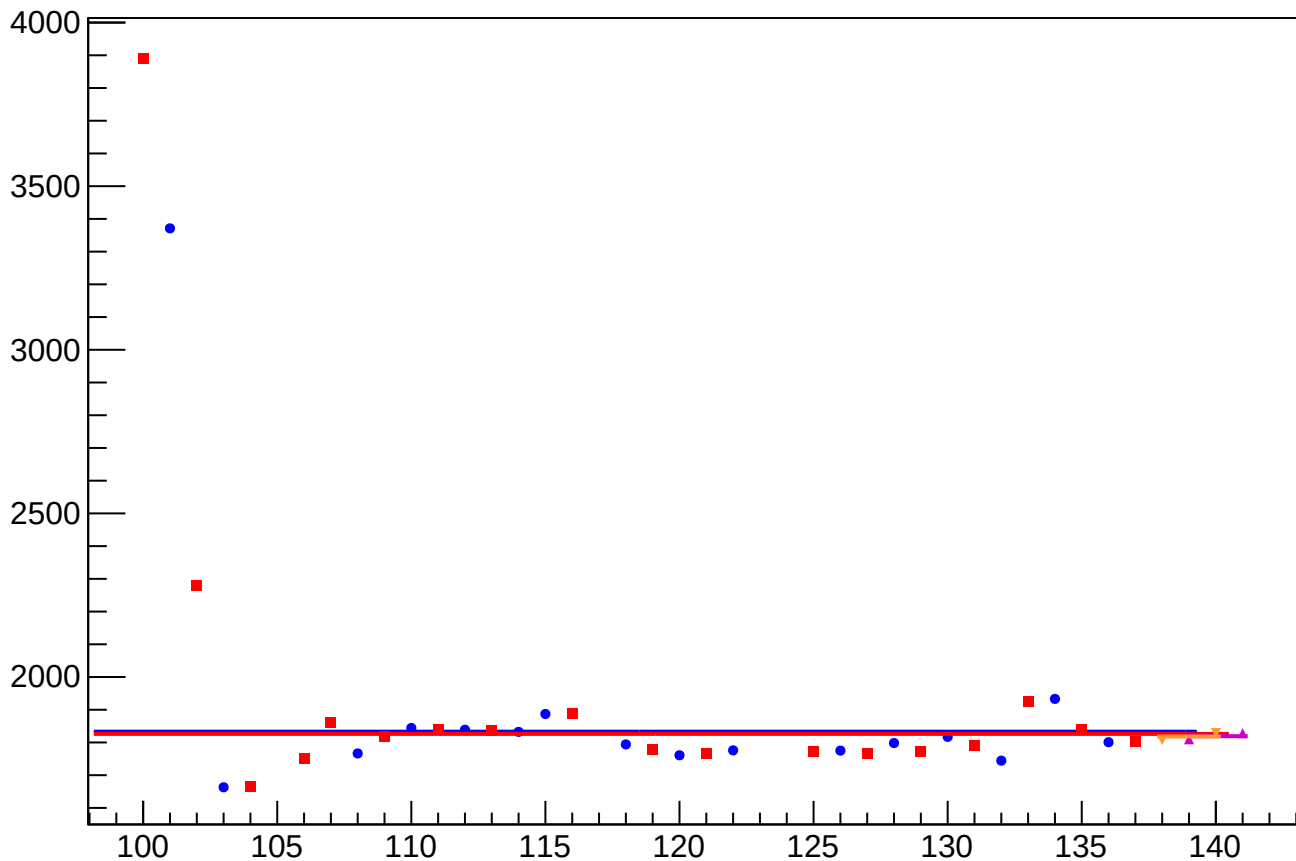
Left In: 3230.694+/-1382.489 χ^2/NDF : 0.0/1

+ sign -992.584+/-620.472 χ^2/NDF : 11.0/17

All: -35.171+/-436.070 χ^2/NDF : 30.3/37

- sign 899.283+/-612.987 χ^2/NDF : 14.6/19

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF : 295439.4/15

Left Out: 1818.151+/-1.009 χ^2/NDF :112.7/1

Right Out: 1826.208+/-0.484 χ^2/NDF : 103006.6/17

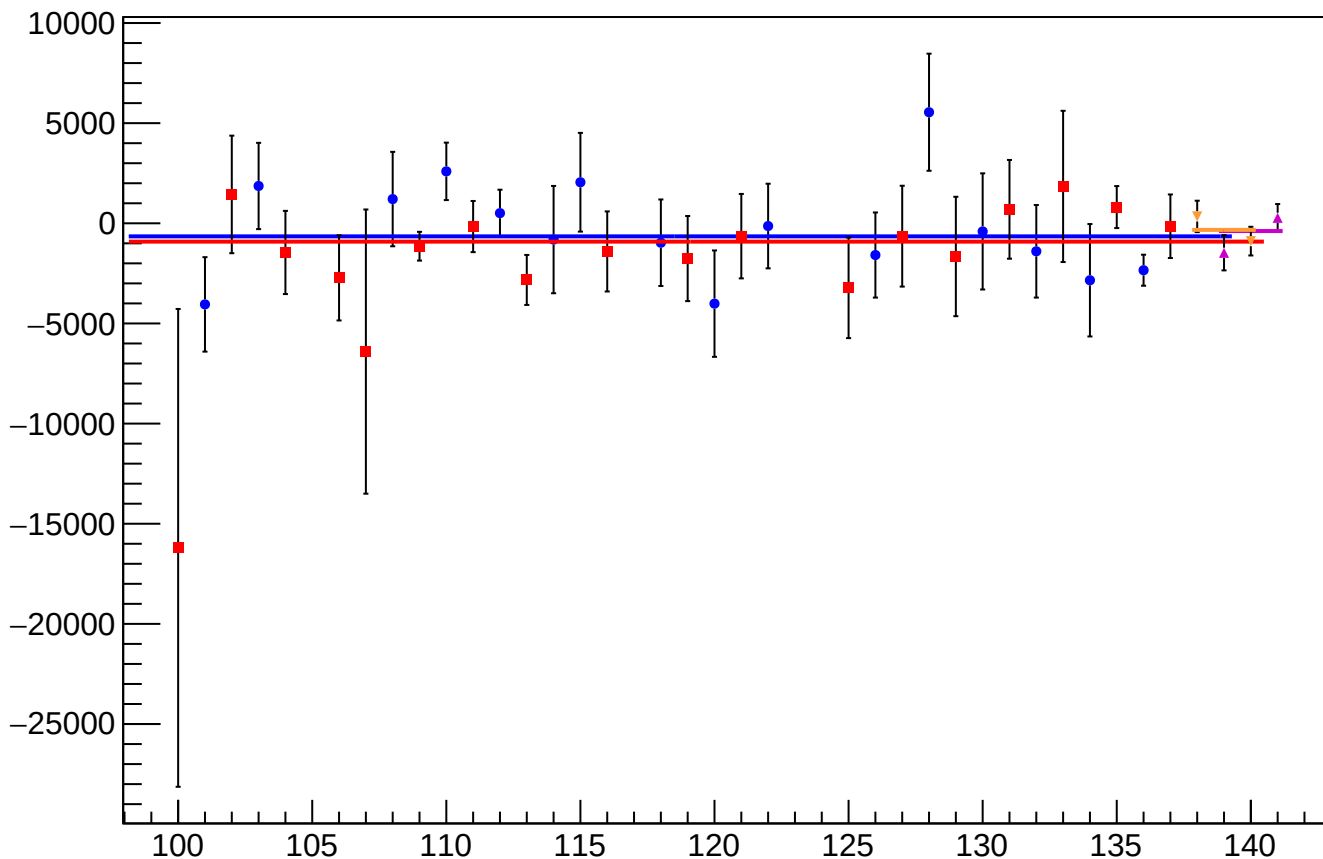
Left In: 1819.180+/-0.978 χ^2/NDF :88.5/1

+ sign 1830.149+/-0.439 χ^2/NDF : 295726.4/17

All: 1827.455+/-0.308 χ^2/NDF : 398937.5/37

- sign 1824.826+/-0.433 χ^2/NDF : 103136.6/19

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

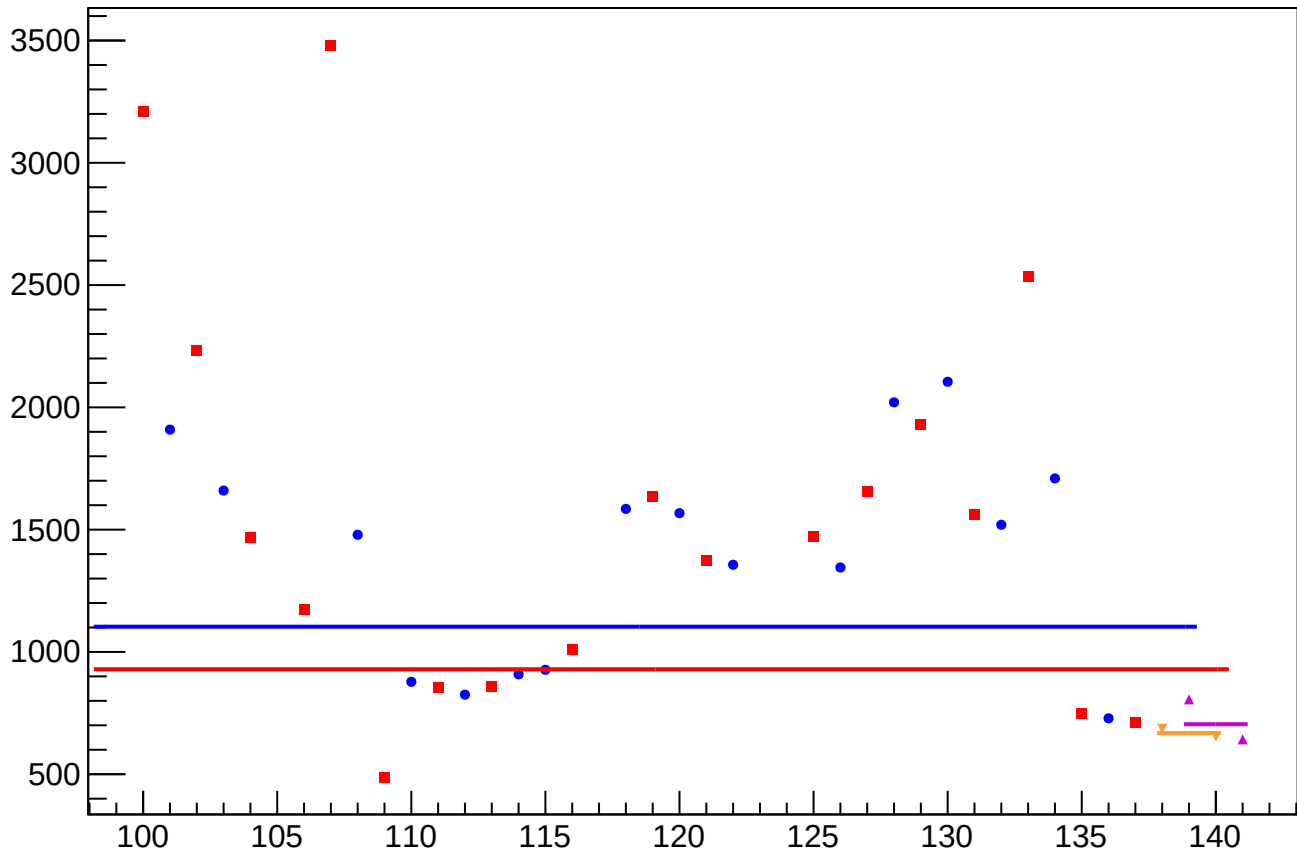
Left In: -385.724+/-540.884 χ^2/NDF : 2.5/1

+ sign -518.957+/-339.131 χ^2/NDF : 24.8/17

All: -632.100+/-232.033 χ^2/NDF : 39.6/37

- sign -731.683+/-318.160 χ^2/NDF : 14.6/19

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF : 1878176.1/15

Left Out: 668.463+/-0.374 χ^2/NDF : 1728.0/1

Right Out: 929.356+/-0.278 χ^2/NDF : 3054092.4/17

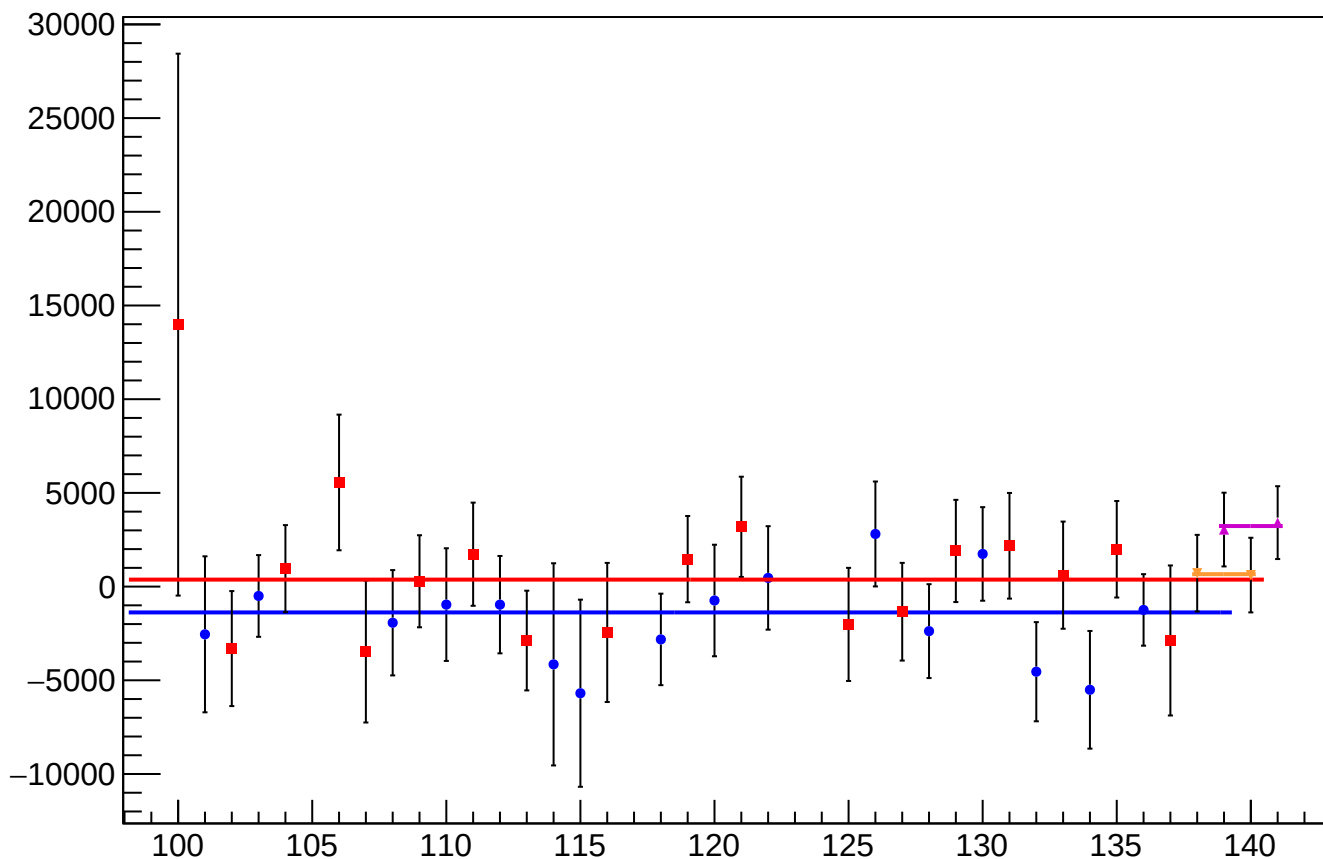
Left In: 704.510+/-0.382 χ^2/NDF : 43042.9/1

+ sign 924.224+/-0.240 χ^2/NDF : 2675849.9/17

All: 885.575+/-0.164 χ^2/NDF : 6047855.3/37

- sign 851.559+/-0.225 χ^2/NDF : 3323166.7/19

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF : 9.3/15

Left Out: 663.546+/-1426.856 χ^2/NDF : 0.0/1

Right Out: 372.534+/-684.408 χ^2/NDF : 12.0/17

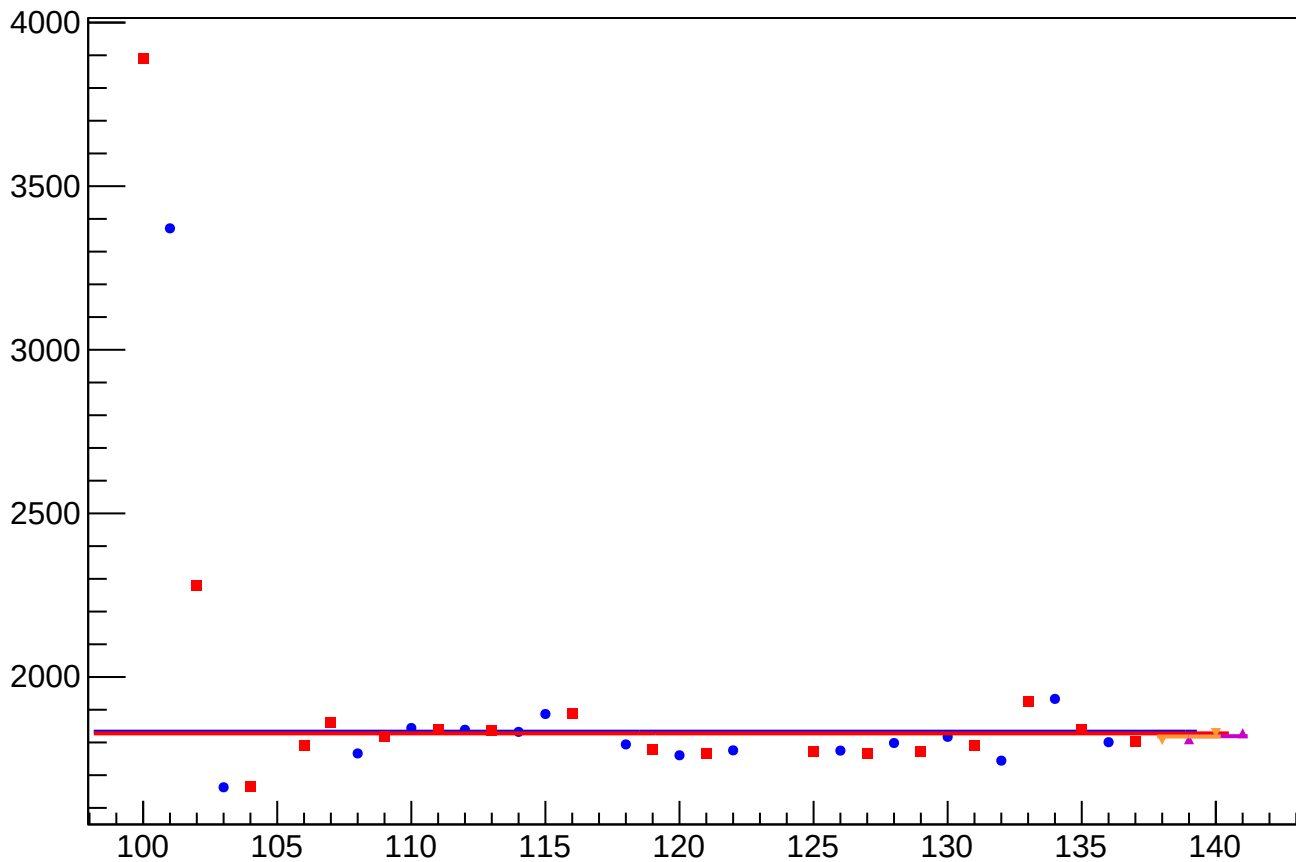
Left In: 3230.873+/-1382.489 χ^2/NDF : 0.0/1

+ sign -992.058+/-620.473 χ^2/NDF : 11.0/17

All: -17.340+/-436.205 χ^2/NDF : 31.2/37

- sign 935.165+/-613.362 χ^2/NDF : 15.4/19

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 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

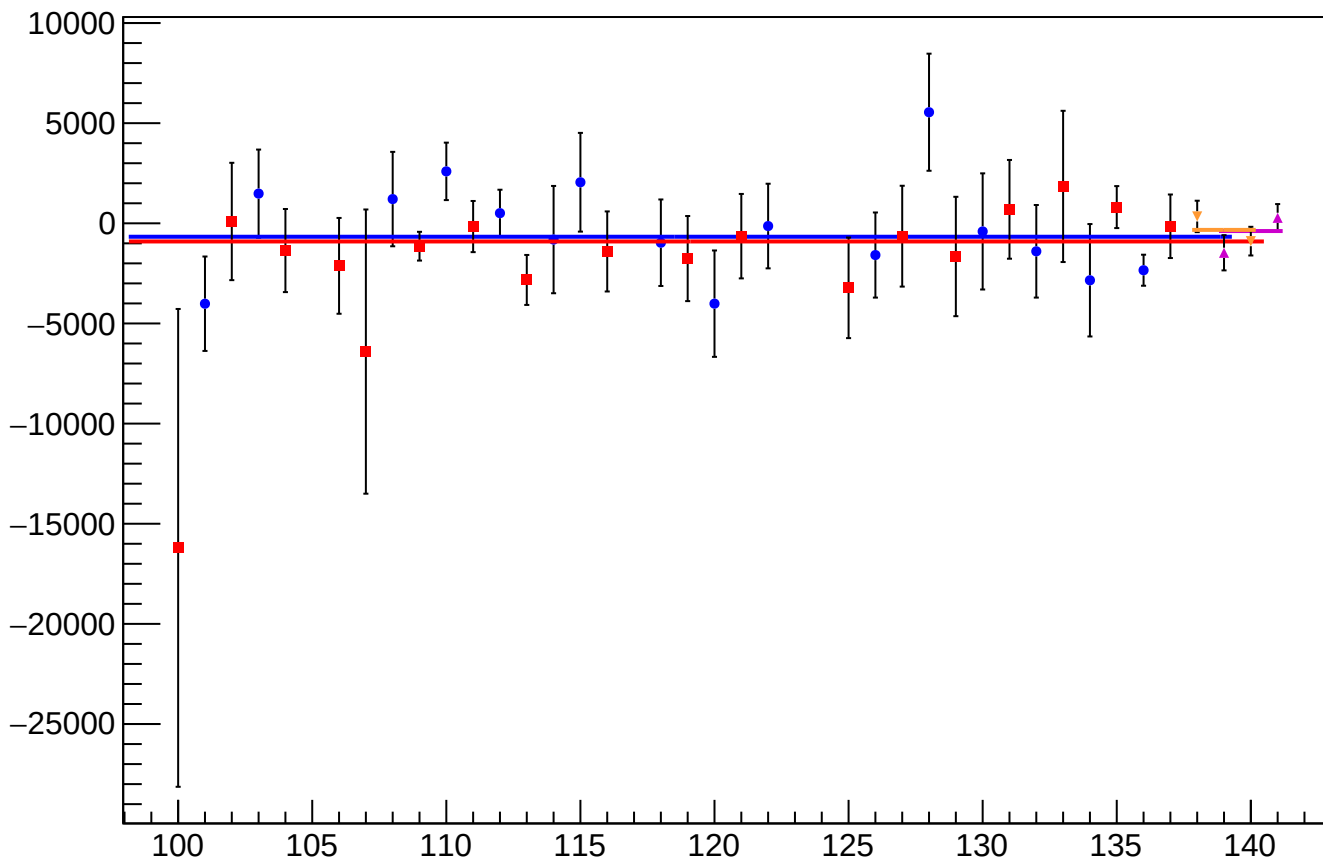
Left In: 1819.180 $\pm$ 0.978 χ^2 /NDF:88.5/1

+ sign 1830.149 $\pm$ 0.439 χ^2 /NDF: 295728.3/17

All: 1828.097 $\pm$ 0.308 χ^2 /NDF: 398192.6/37

- sign 1826.091 $\pm$ 0.434 χ^2 /NDF: 102421.1/19

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

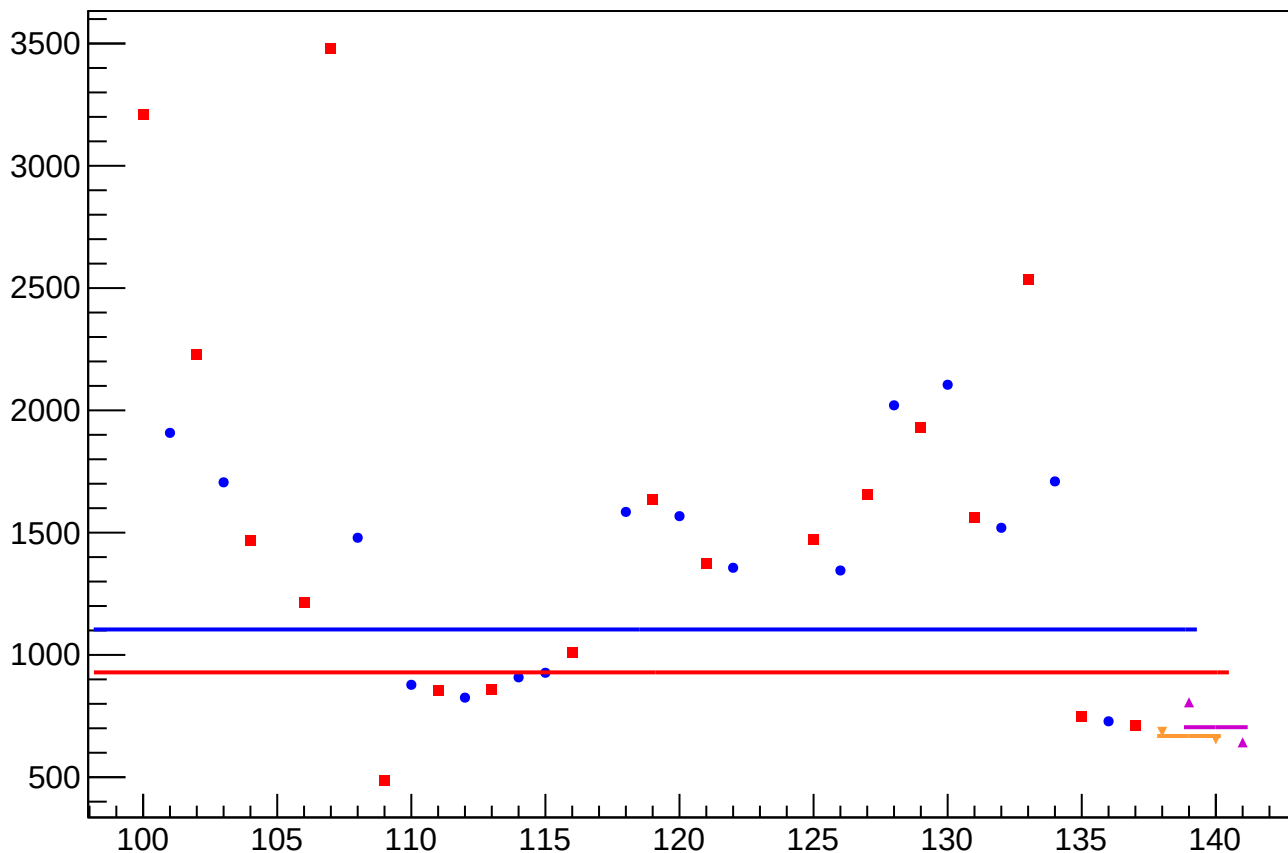
Left In: -385.782+/-540.878 χ^2/NDF : 2.4/1

+ sign -529.765+/-339.297 χ^2/NDF : 24.4/17

All: -633.473+/-232.370 χ^2/NDF : 38.1/37

- sign -725.084+/-318.894 χ^2/NDF : 13.6/19

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF : 1894482.2/15

Left Out: 668.461+/-0.374 χ^2/NDF : 1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

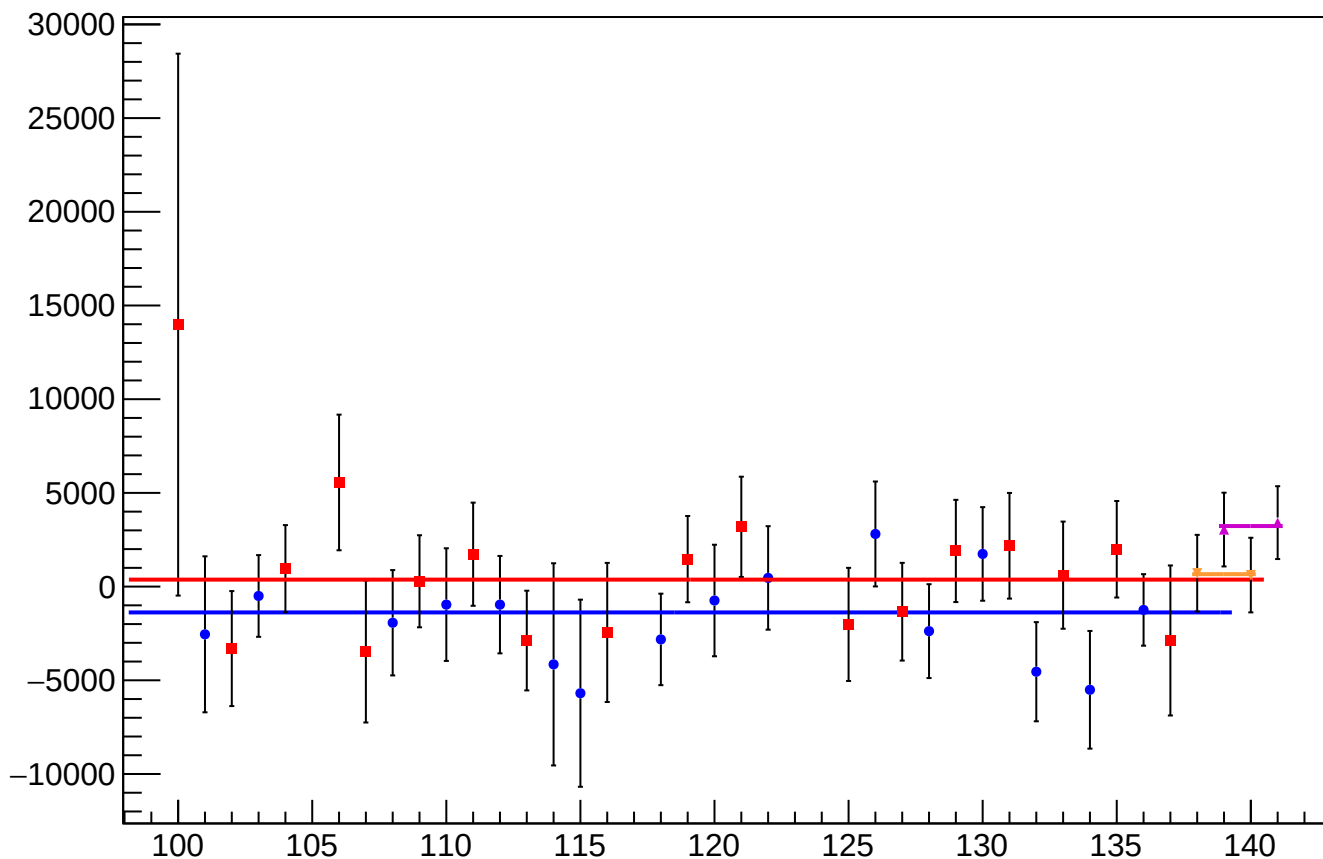
Left In: 704.500+/-0.382 χ^2/NDF : 43057.4/1

+ sign 924.587+/-0.240 χ^2/NDF : 2694984.7/17

All: 885.365+/-0.164 χ^2/NDF : 6066800.5/37

- sign 850.719+/-0.225 χ^2/NDF : 3321483.1/19

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF : 9.3/15

Left Out: 663.546+/-1426.856 χ^2/NDF : 0.0/1

Right Out: 372.534+/-684.408 χ^2/NDF : 12.0/17

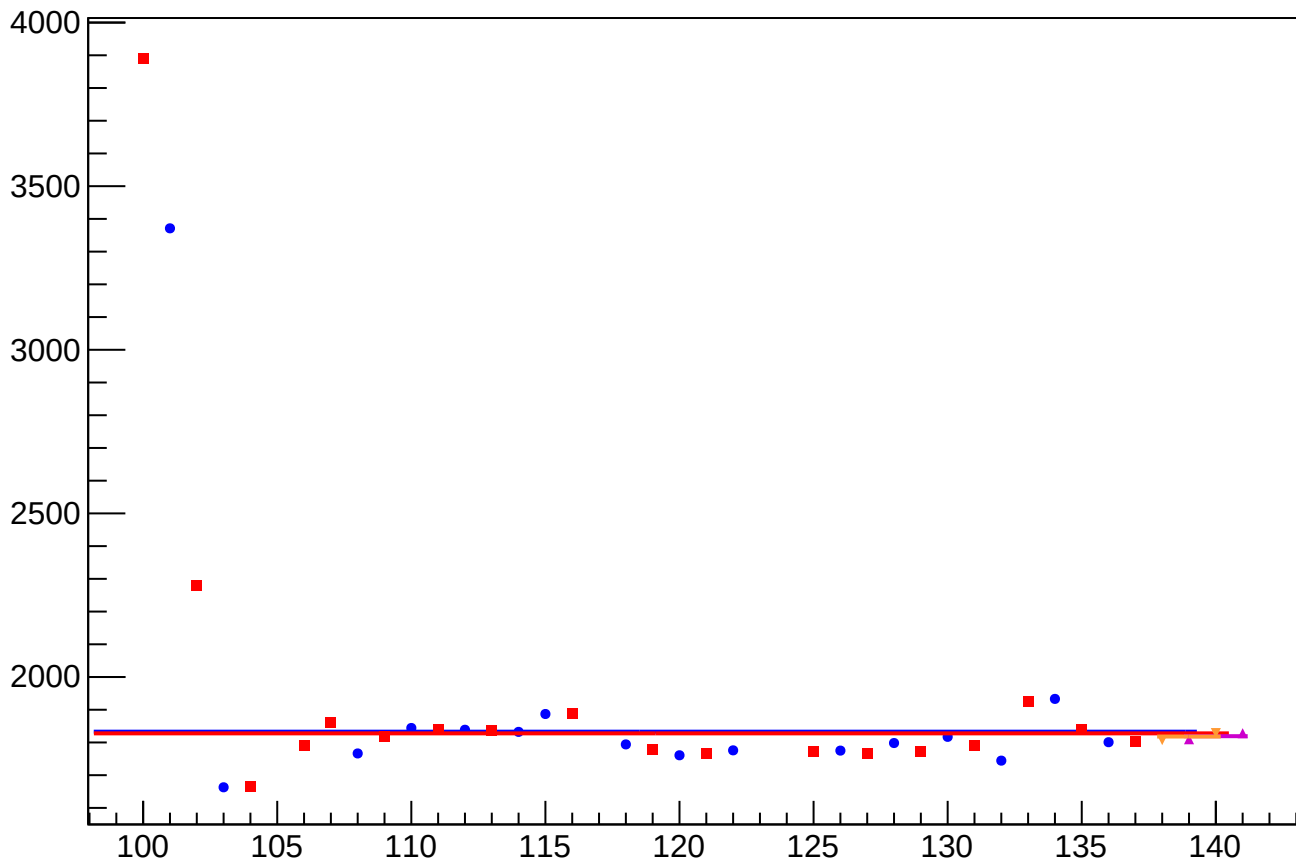
Left In: 3230.873+/-1382.489 χ^2/NDF : 0.0/1

+ sign -992.058+/-620.473 χ^2/NDF : 11.0/17

All: -17.340+/-436.205 χ^2/NDF : 31.2/37

- sign 935.165+/-613.362 χ^2/NDF : 15.4/19

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 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

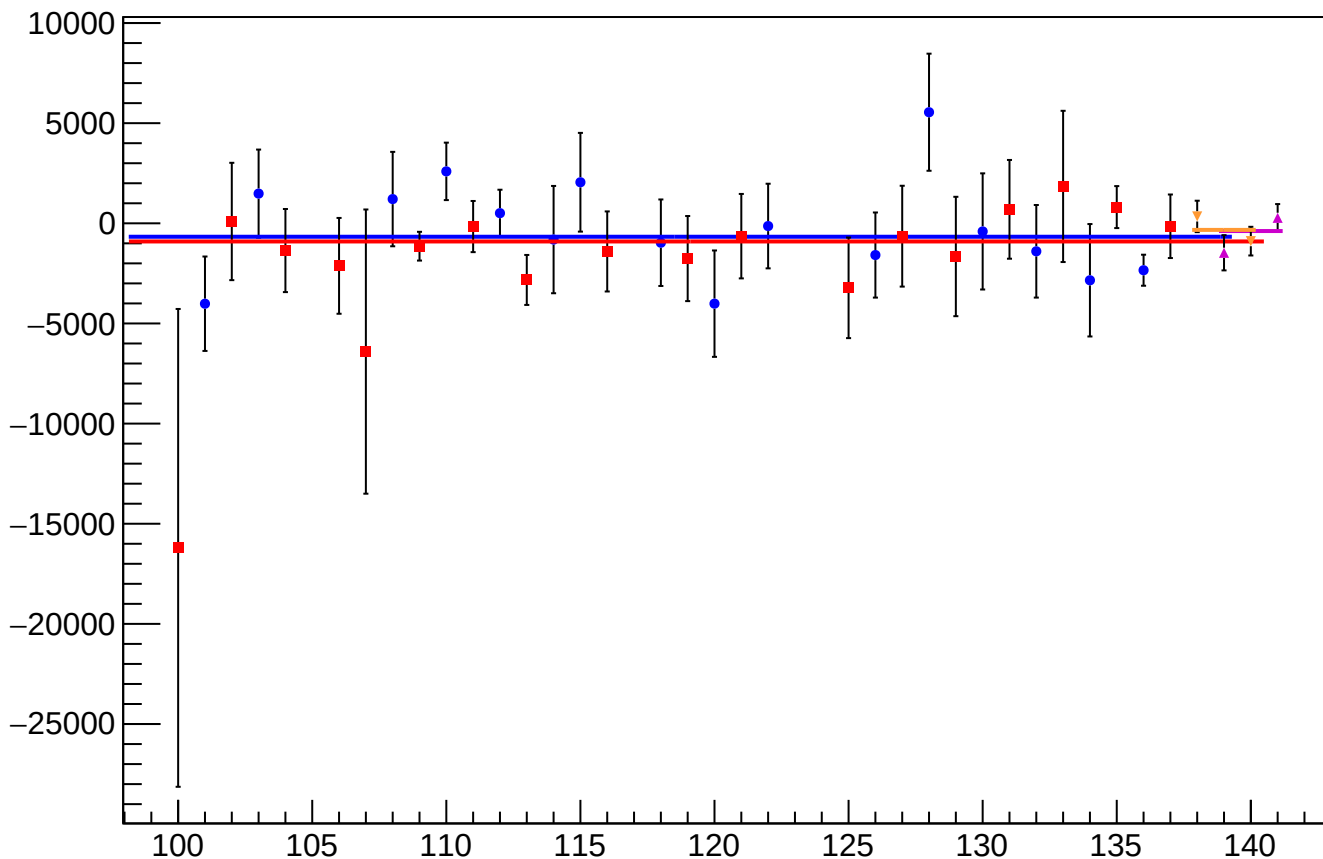
Left In: 1819.180 $\pm$ 0.978 χ^2 /NDF:88.5/1

+ sign 1830.149 $\pm$ 0.439 χ^2 /NDF: 295728.3/17

All: 1828.097 $\pm$ 0.308 χ^2 /NDF: 398192.6/37

- sign 1826.091 $\pm$ 0.434 χ^2 /NDF: 102421.1/19

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

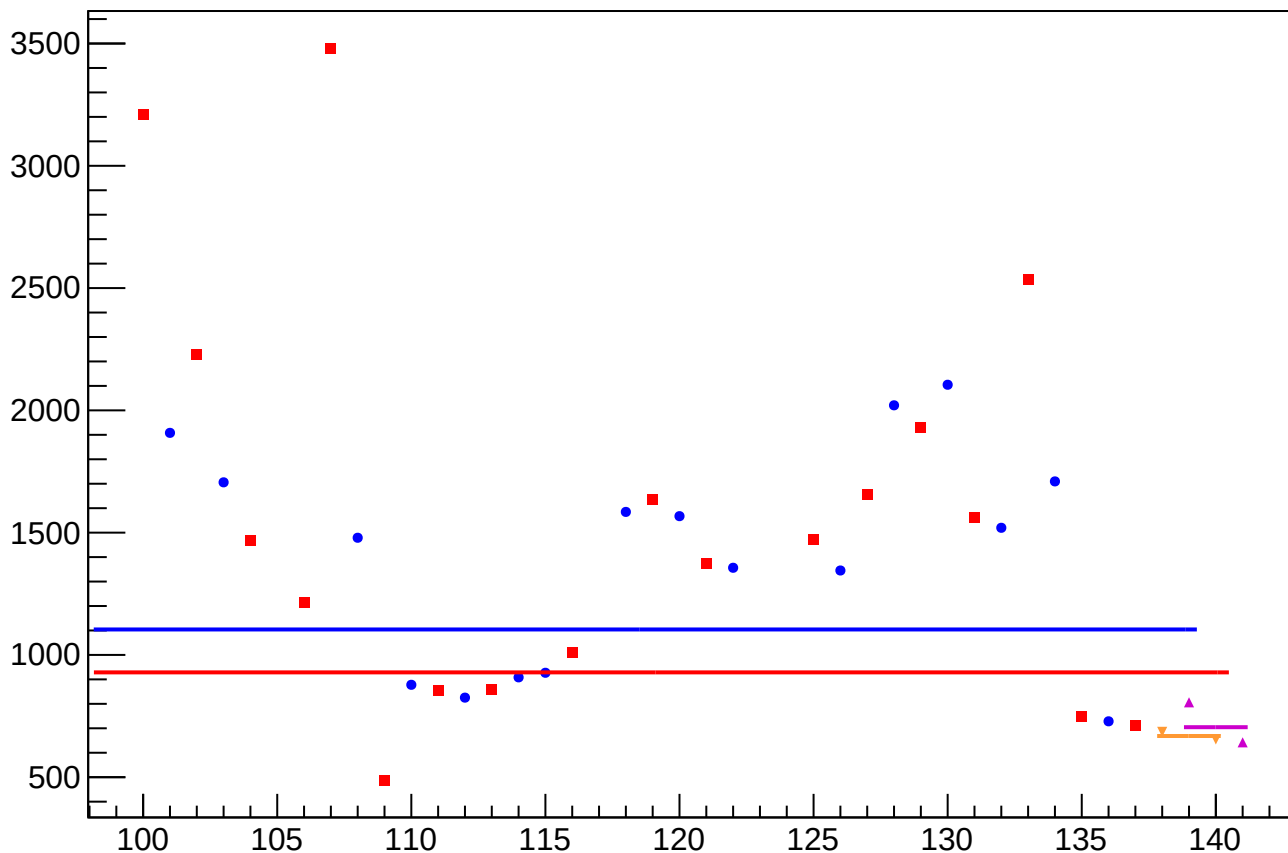
Left In: -385.782+/-540.878 χ^2/NDF : 2.4/1

+ sign -529.765+/-339.297 χ^2/NDF : 24.4/17

All: -633.473+/-232.370 χ^2/NDF : 38.1/37

- sign -725.084+/-318.894 χ^2/NDF : 13.6/19

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

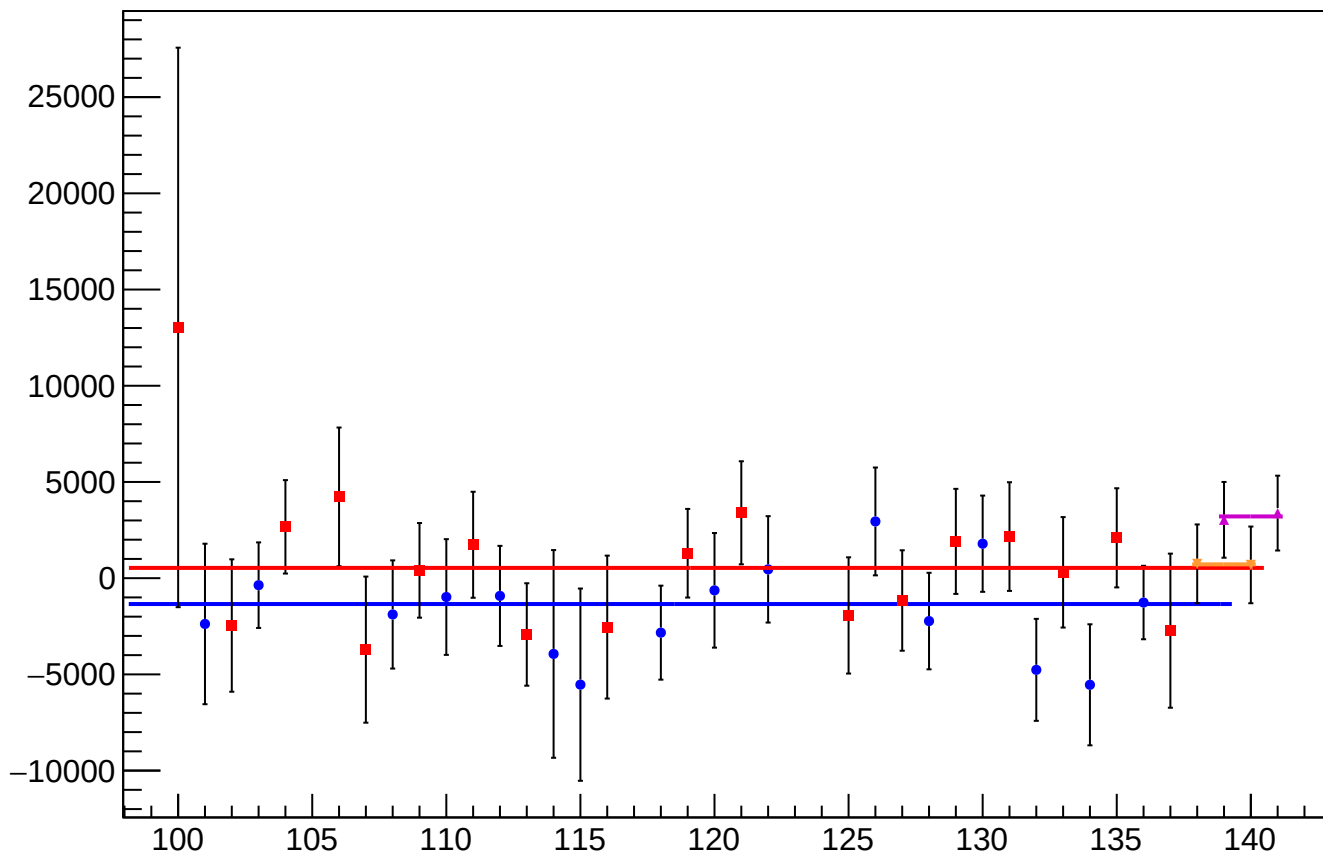
Left In: 704.500+/-0.382 χ^2/NDF : 43057.4/1

+ sign 924.587+/-0.240 χ^2/NDF : 2694984.7/17

All: 885.365+/-0.164 χ^2/NDF : 6066800.5/37

- sign 850.719+/-0.225 χ^2/NDF : 3321483.1/19

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952 $\pm$ 690.940 χ^2 /NDF: 9.6/15

Left Out: 716.873 $\pm$ 1428.041 χ^2 /NDF: 0.0/1

Right Out: 534.194 $\pm$ 690.970 χ^2 /NDF: 11.1/17

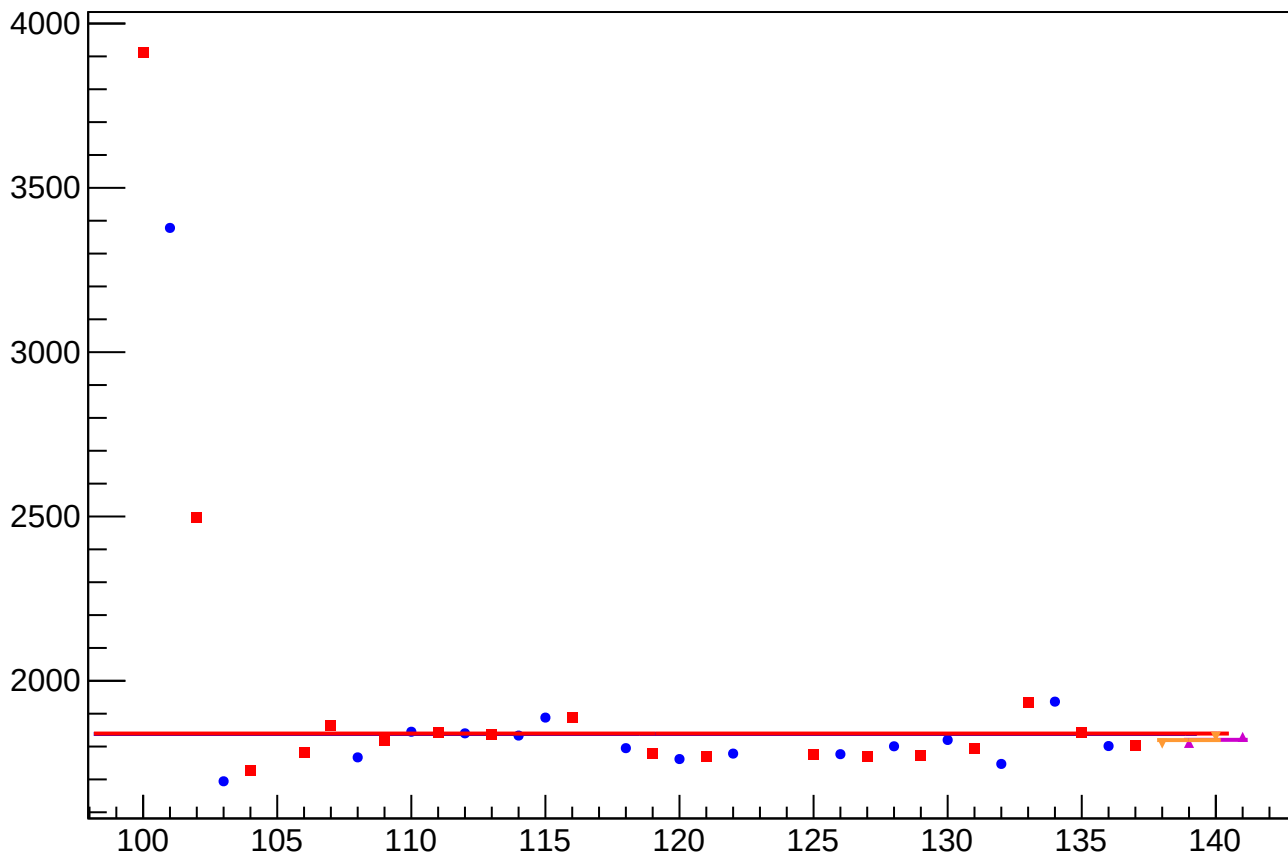
Left In: 3208.997 $\pm$ 1383.435 χ^2 /NDF: 0.0/1

+ sign -953.029 $\pm$ 621.964 χ^2 /NDF: 11.3/17

All: 63.807 $\pm$ 438.443 χ^2 /NDF: 30.7/37

- sign 1068.230 $\pm$ 618.156 χ^2 /NDF: 14.1/19

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159 $\pm$ 0.489 χ^2 /NDF: 291984.0/15

Left Out: 1819.662 $\pm$ 1.010 χ^2 /NDF:110.0/1

Right Out: 1839.517 $\pm$ 0.489 χ^2 /NDF: 128253.5/17

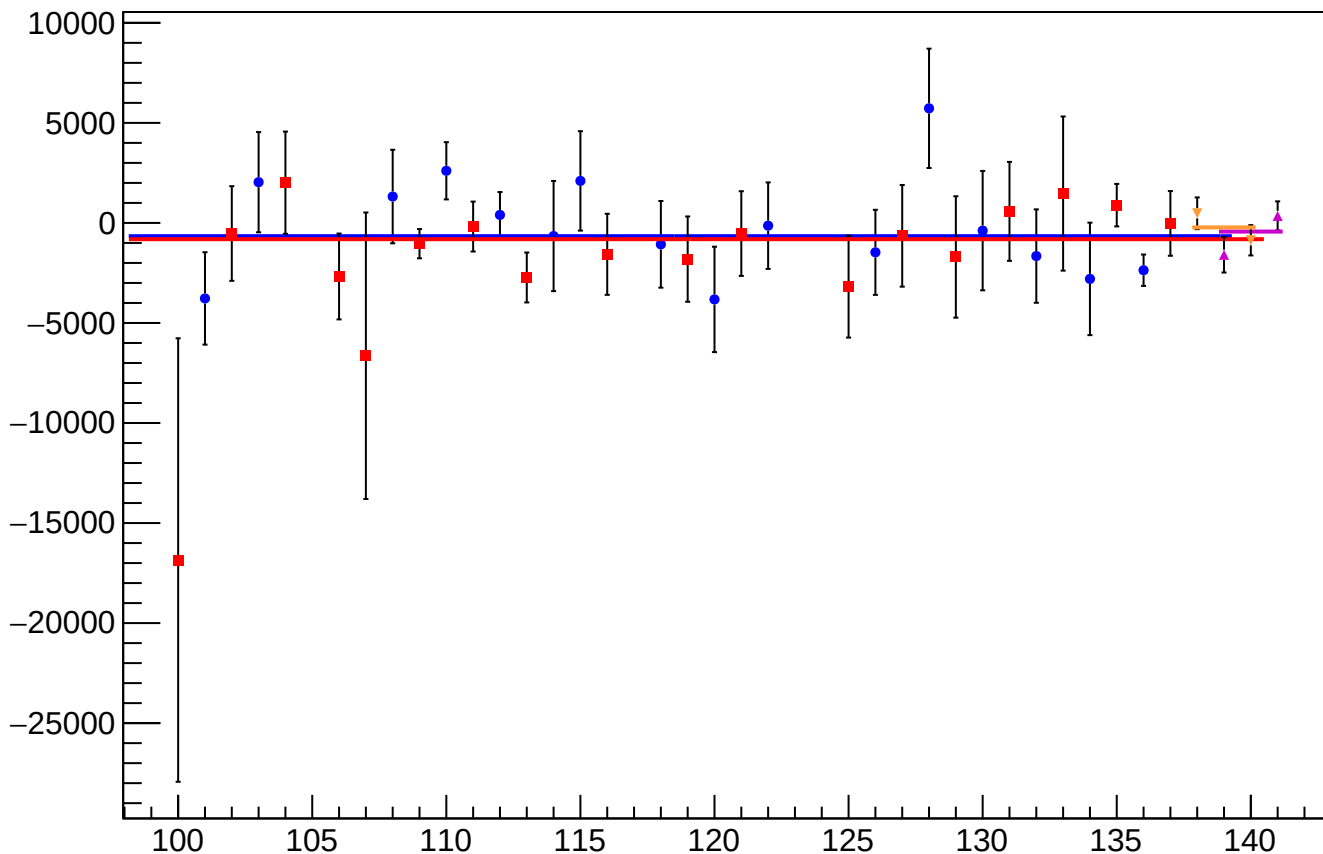
Left In: 1820.419 $\pm$ 0.978 χ^2 /NDF:87.7/1

+ sign 1834.650 $\pm$ 0.440 χ^2 /NDF: 292365.9/17

All: 1835.180 $\pm$ 0.310 χ^2 /NDF: 421015.2/37

- sign 1835.704 $\pm$ 0.437 χ^2 /NDF: 128646.4/19

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

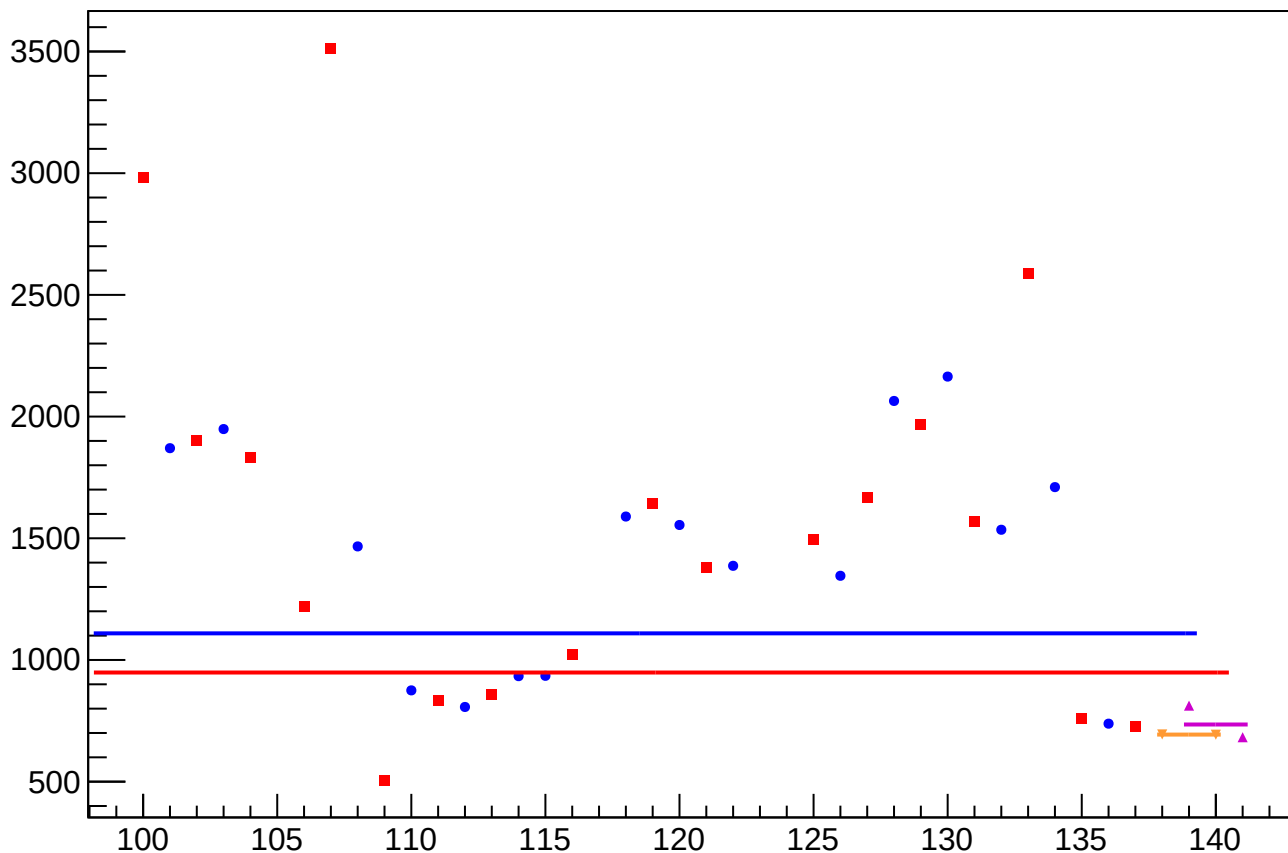
Left In: -432.033+/-562.705 χ^2/NDF : 2.9/1

+ sign -488.221+/-345.843 χ^2/NDF : 24.7/17

All: -593.280+/-236.639 χ^2/NDF : 40.2/37

- sign -685.769+/-324.493 χ^2/NDF : 15.4/19

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362 $\pm$ 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

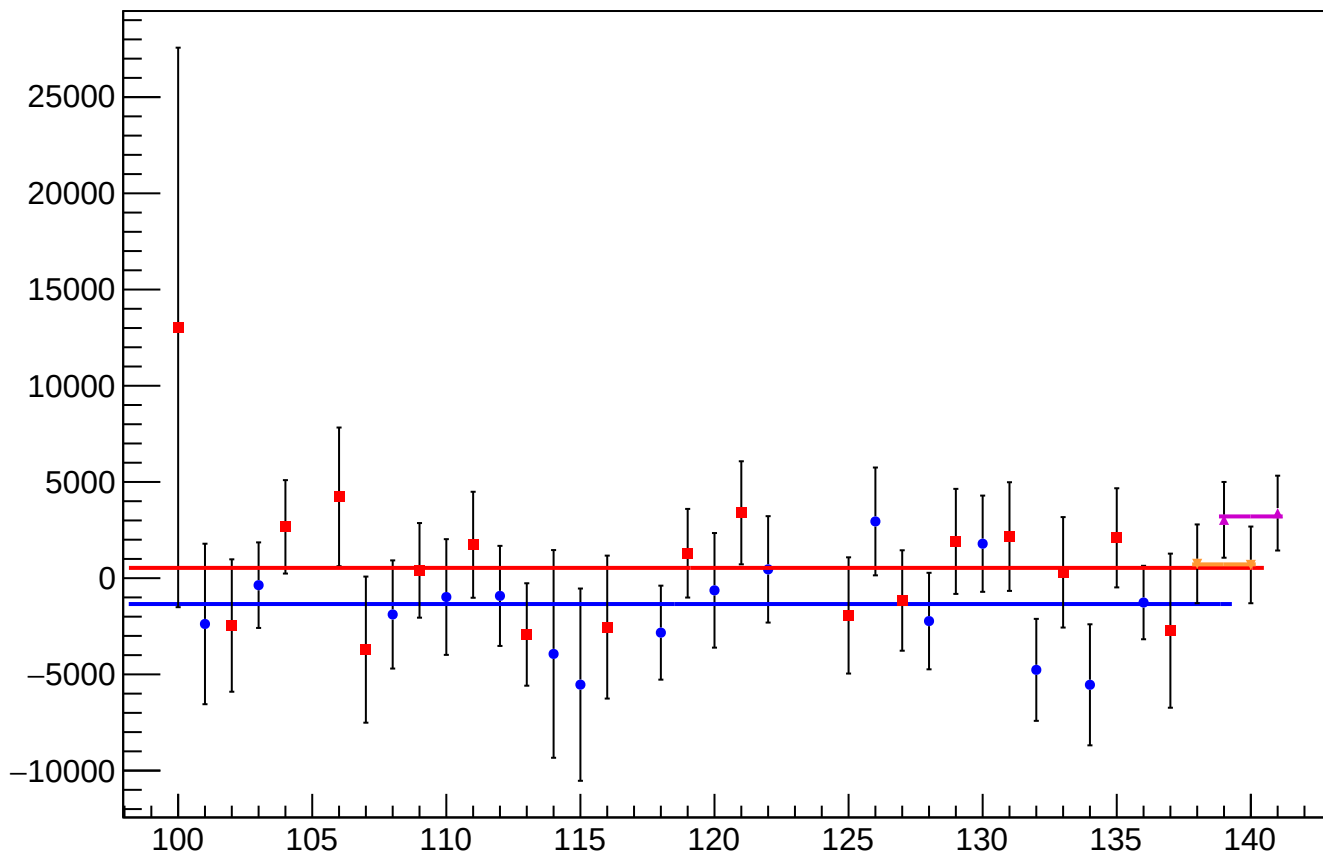
Left In: 734.858 $\pm$ 0.398 χ^2 /NDF: 25592.2/1

+ sign 943.637 $\pm$ 0.245 χ^2 /NDF: 2666716.6/17

All: 908.418 $\pm$ 0.167 χ^2 /NDF: 5977295.0/37

- sign 877.413 $\pm$ 0.229 χ^2 /NDF: 3271578.0/19

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF : 9.6/15

Left Out: 716.883+/-1428.041 χ^2/NDF : 0.0/1

Right Out: 534.199+/-690.970 χ^2/NDF : 11.1/17

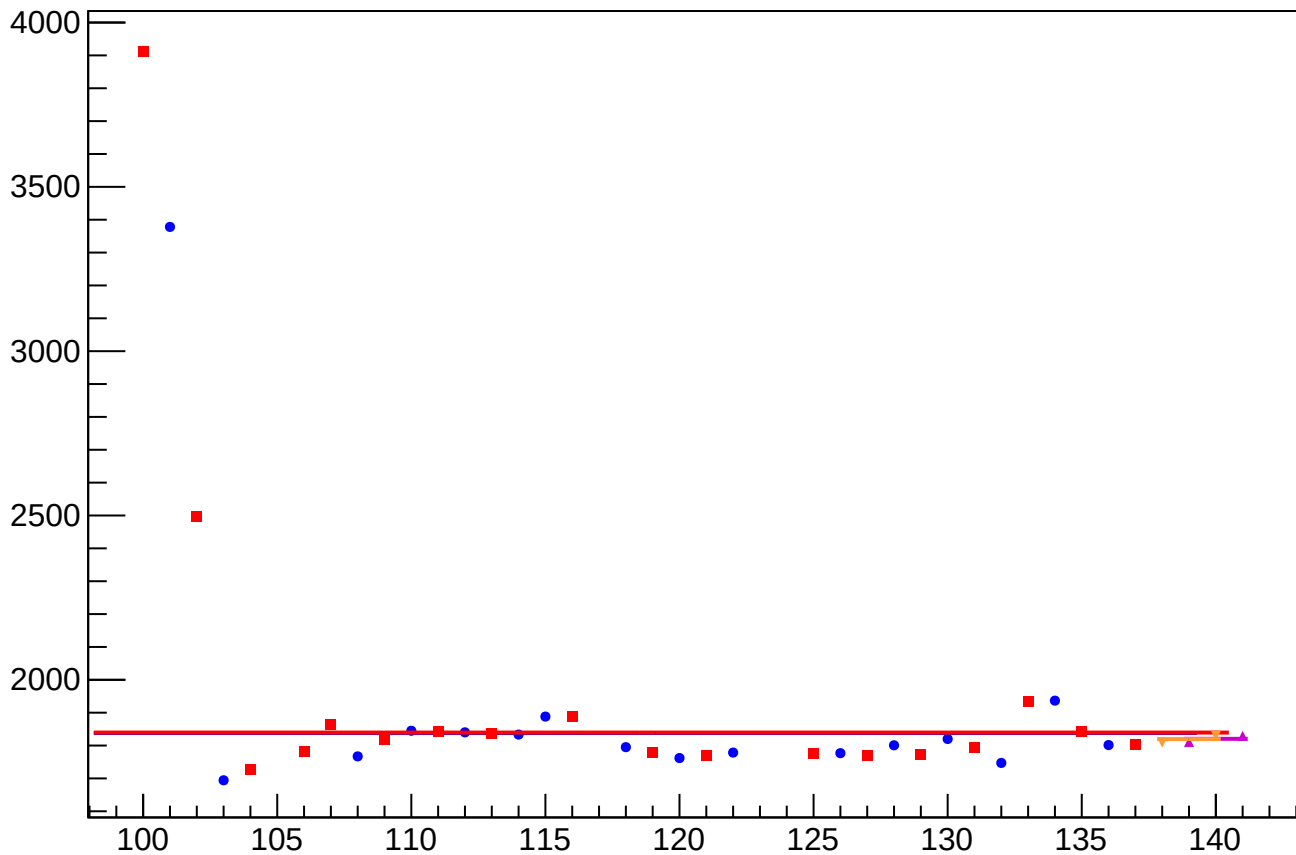
Left In: 3208.983+/-1383.435 χ^2/NDF : 0.0/1

+ sign -953.030+/-621.964 χ^2/NDF : 11.3/17

All: 63.807+/-438.443 χ^2/NDF : 30.7/37

- sign 1068.231+/-618.156 χ^2/NDF : 14.1/19

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159 $\pm$ 0.489 χ^2 /NDF: 291984.0/15

Left Out: 1819.662 $\pm$ 1.010 χ^2 /NDF:110.0/1

Right Out: 1839.517 $\pm$ 0.489 χ^2 /NDF: 128253.6/17

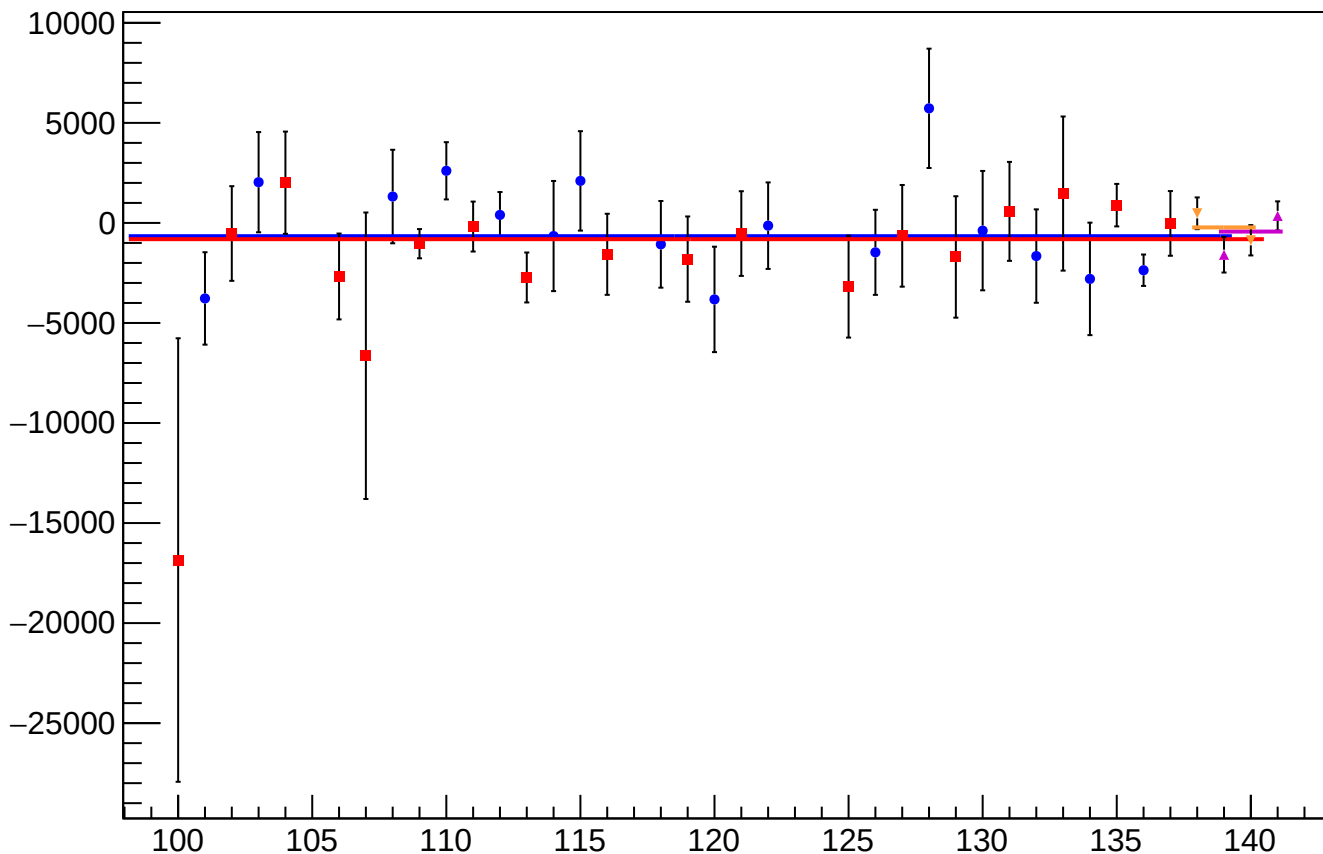
Left In: 1820.419 $\pm$ 0.978 χ^2 /NDF:87.7/1

+ sign 1834.650 $\pm$ 0.440 χ^2 /NDF: 292365.9/17

All: 1835.180 $\pm$ 0.310 χ^2 /NDF: 421015.2/37

- sign 1835.704 $\pm$ 0.437 χ^2 /NDF: 128646.4/19

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

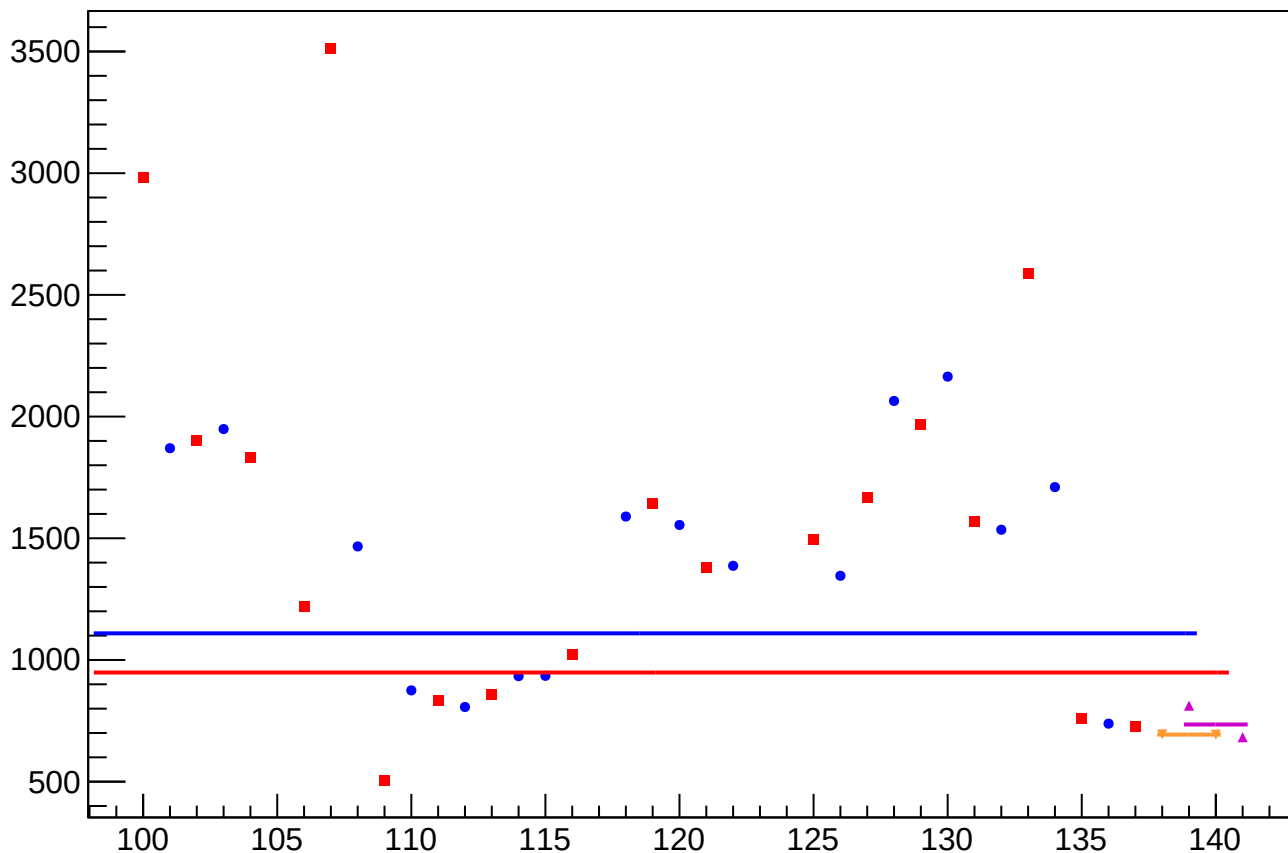
Left In: -432.026+/-562.711 χ^2 /NDF:2.9/1

+ sign -488.218+/-345.845 χ^2 /NDF: 24.7/17

All: -593.281+/-236.640 χ^2 /NDF: 40.2/37

- sign -685.772+/-324.495 χ^2 /NDF: 15.4/19

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1109.365+/-0.315 χ^2/NDF : 1973324.5/15

Left Out: 693.443+/-0.387 χ^2/NDF : 2.3/1

Right Out: 948.441+/-0.281 χ^2/NDF : 3053644.5/17

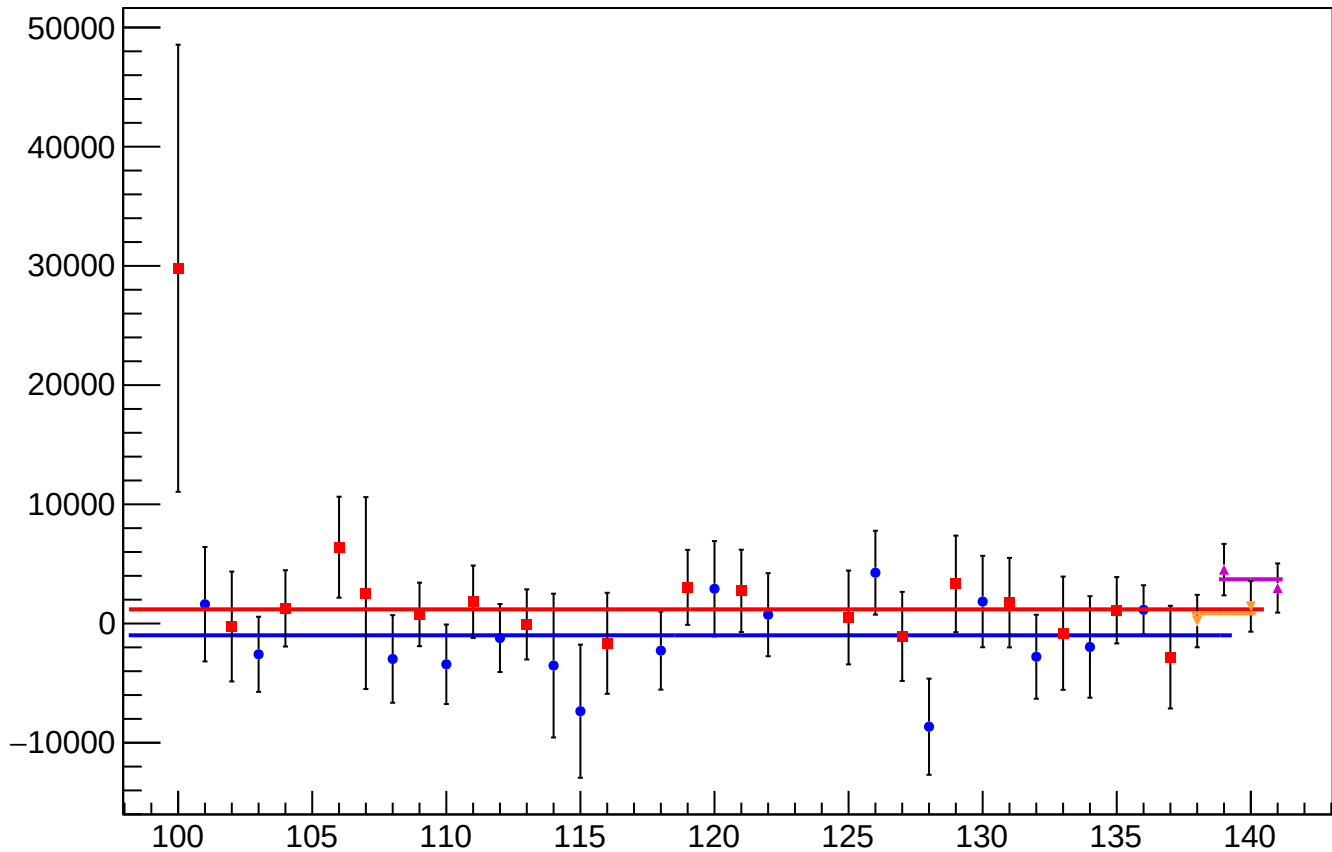
Left In: 734.865+/-0.398 χ^2/NDF : 25597.6/1

+ sign 943.645+/-0.245 χ^2/NDF : 2666644.0/17

All: 908.424+/-0.167 χ^2/NDF : 5977193.5/37

- sign 877.418+/-0.229 χ^2/NDF : 3271545.9/19

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF : 12.0/15

Left Out: 843.899+/-1526.761 χ^2/NDF : 0.2/1

Right Out: 1192.173+/-870.432 χ^2/NDF : 7.0/17

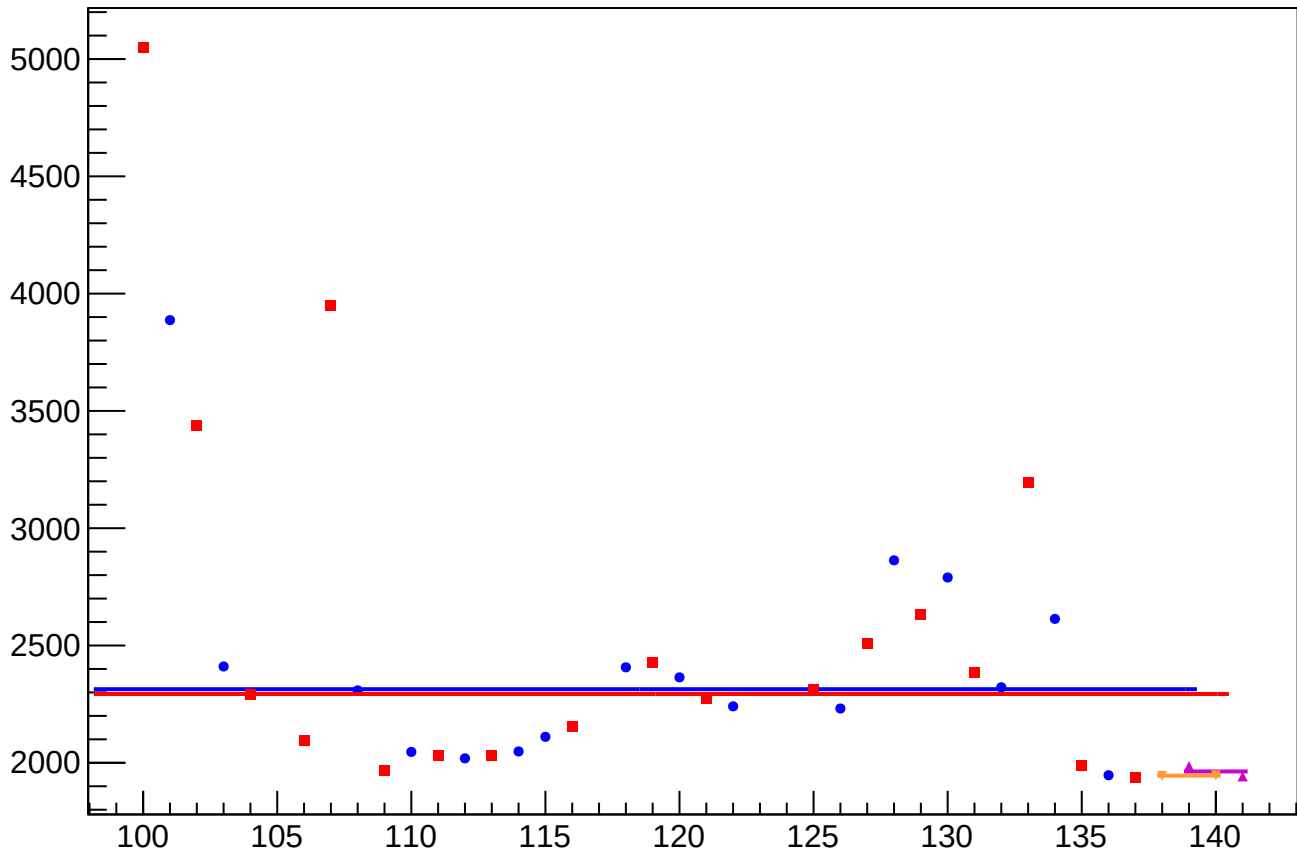
Left In: 3714.564+/-1492.087 χ^2/NDF : 0.3/1

+ sign -535.624+/-758.405 χ^2/NDF : 13.2/17

All: 658.778+/-533.941 χ^2/NDF : 27.5/37

- sign 1832.625+/-751.851 χ^2/NDF : 9.4/19

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF : 402756.6/15

Left Out: 1945.321+/-1.080 χ^2/NDF : 1.5/1

Right Out: 2293.273+/-0.615 χ^2/NDF : 453202.3/17

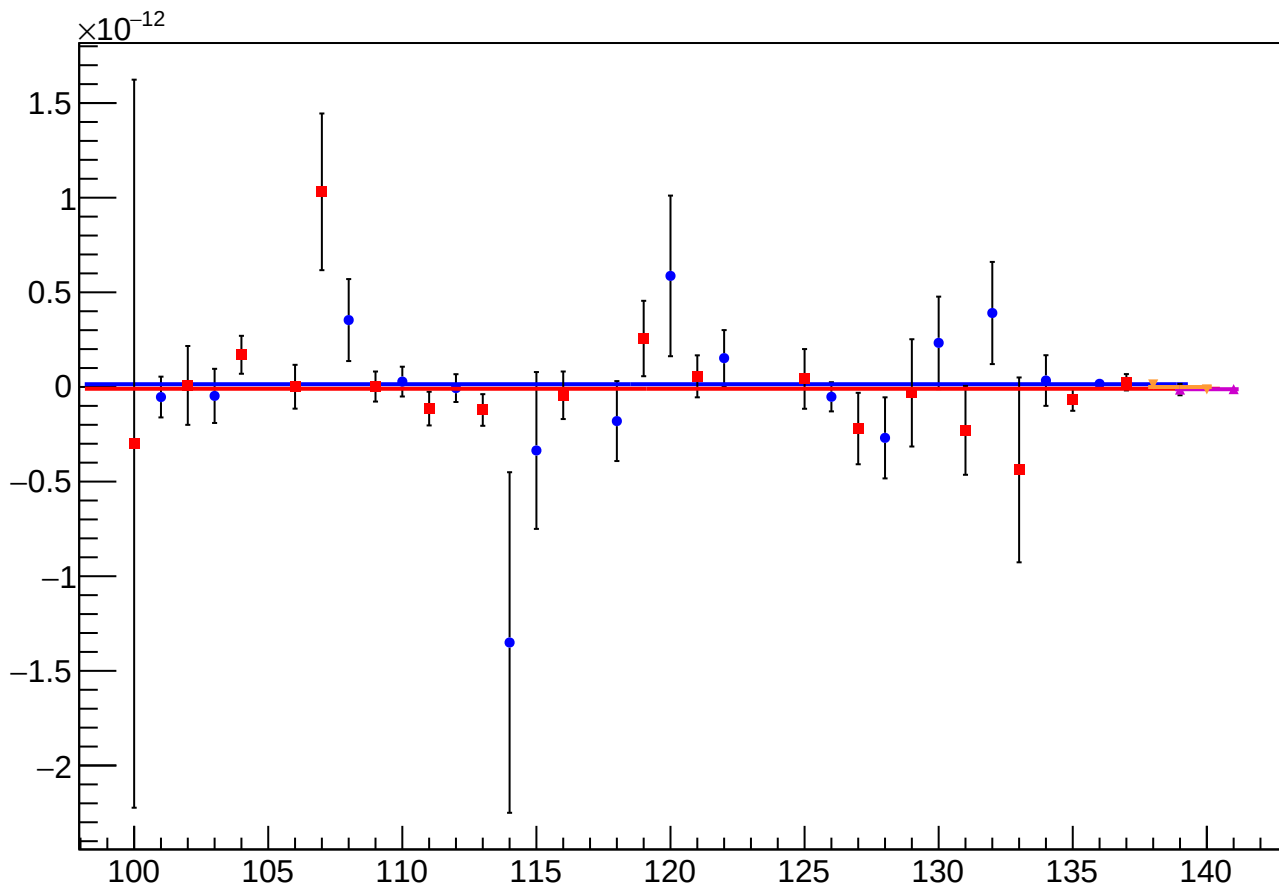
Left In: 1963.119+/-1.055 χ^2/NDF : 428.5/1

+ sign 2222.833+/-0.536 χ^2/NDF : 490481.0/17

All: 2216.081+/-0.378 χ^2/NDF : 1017484.3/37

- sign 2209.446+/-0.532 χ^2/NDF : 526689.1/19

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

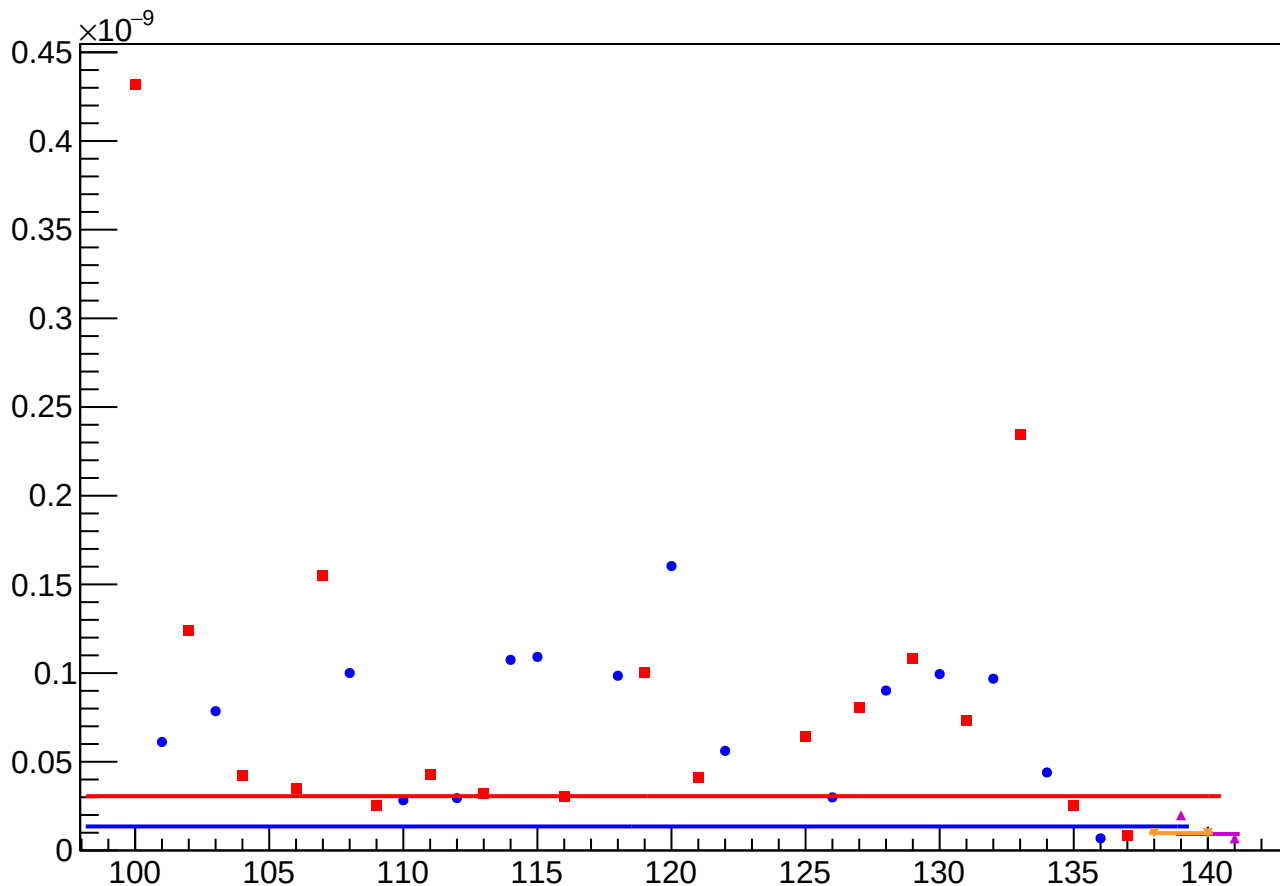
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.6/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/19

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF :12.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2349183.7/17

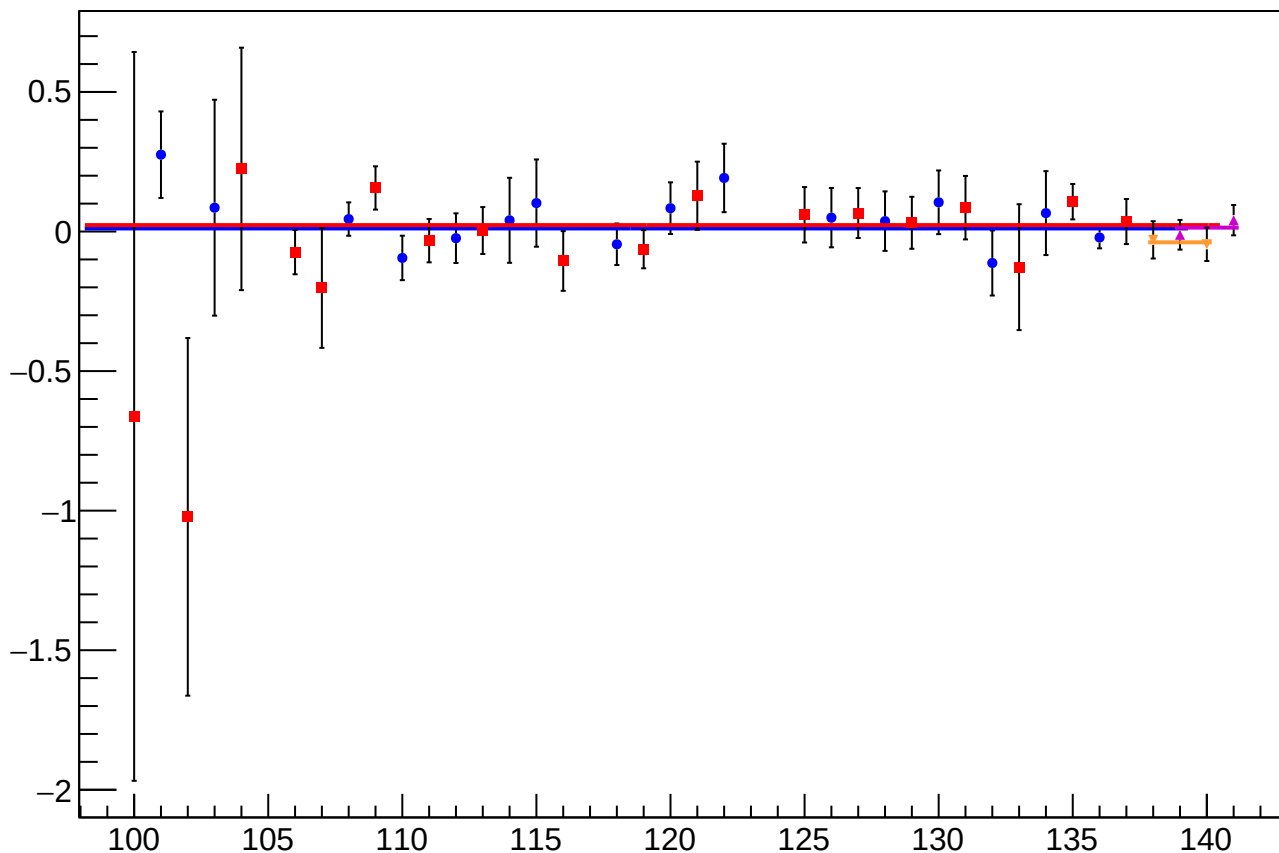
Left In: 0.000+/-0.000 χ^2/NDF :304805.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3493934.5/17

All: 0.000+/-0.000 χ^2/NDF : 7422437.0/37

- sign 0.000+/-0.000 χ^2/NDF : 3867565.6/19

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

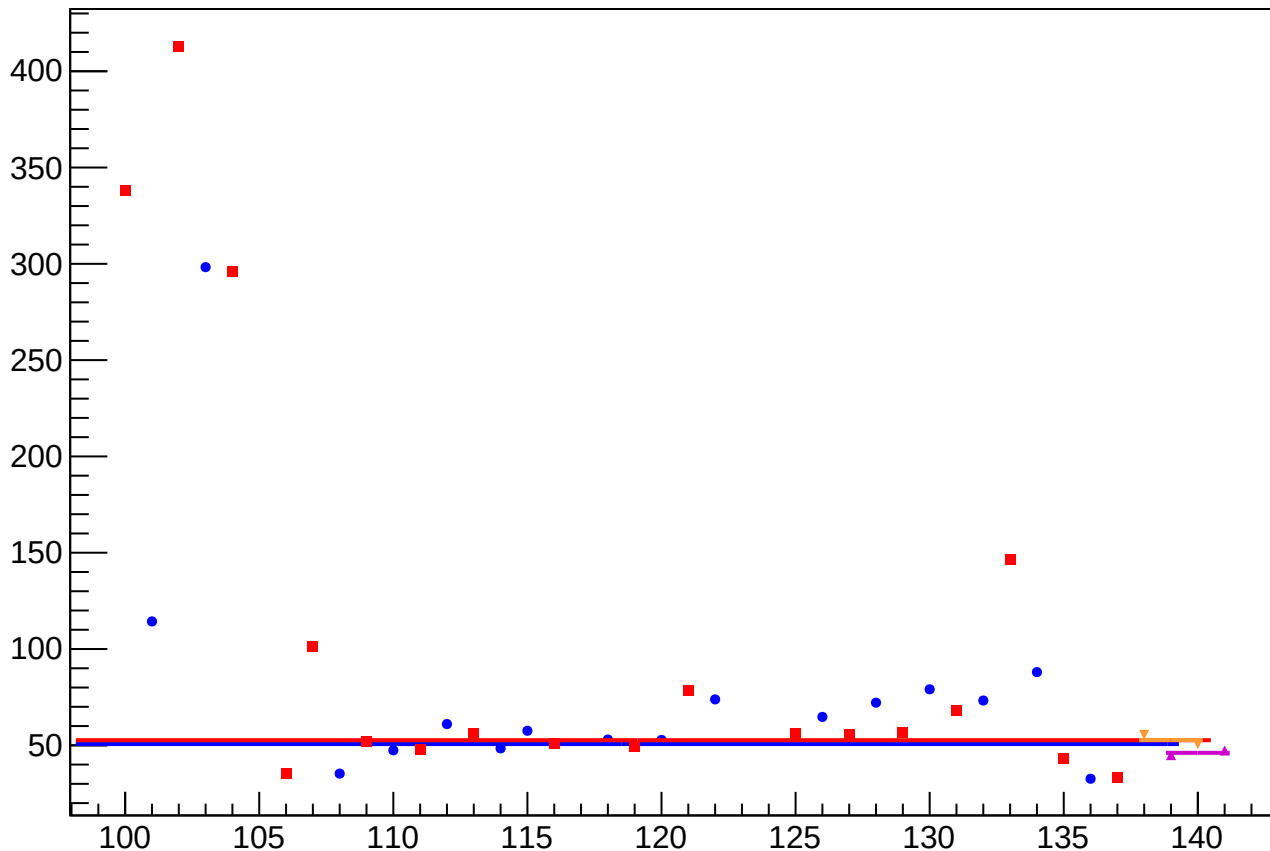
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.7/37

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

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

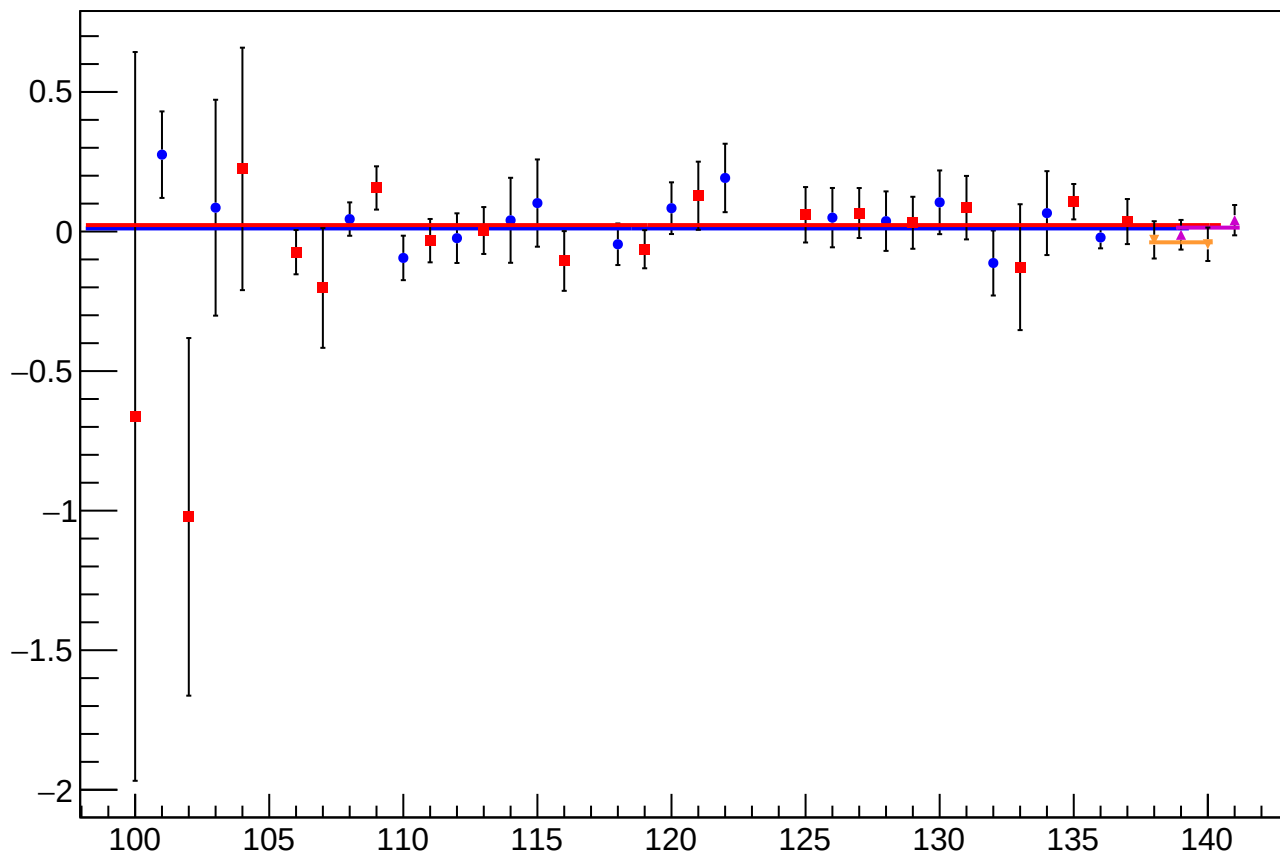
Left In: 46.099 $\pm$ 0.027 χ^2 /NDF: 1954.0/1

+ sign 51.052 $\pm$ 0.014 χ^2 /NDF: 2275845.2/17

All: 50.972 $\pm$ 0.010 χ^2 /NDF: 4533438.9/37

- sign 50.892 $\pm$ 0.014 χ^2 /NDF: 2257527.3/19

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

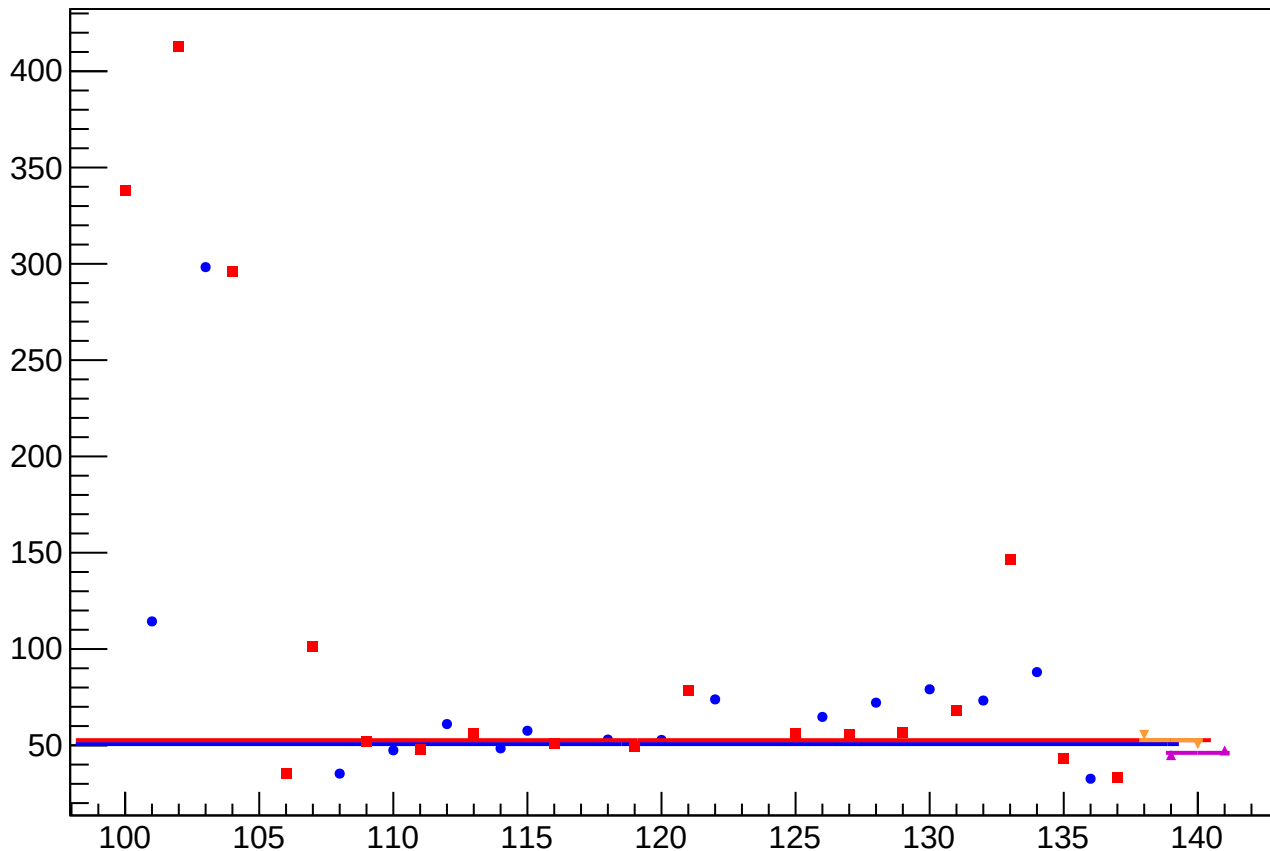
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.7/37

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

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

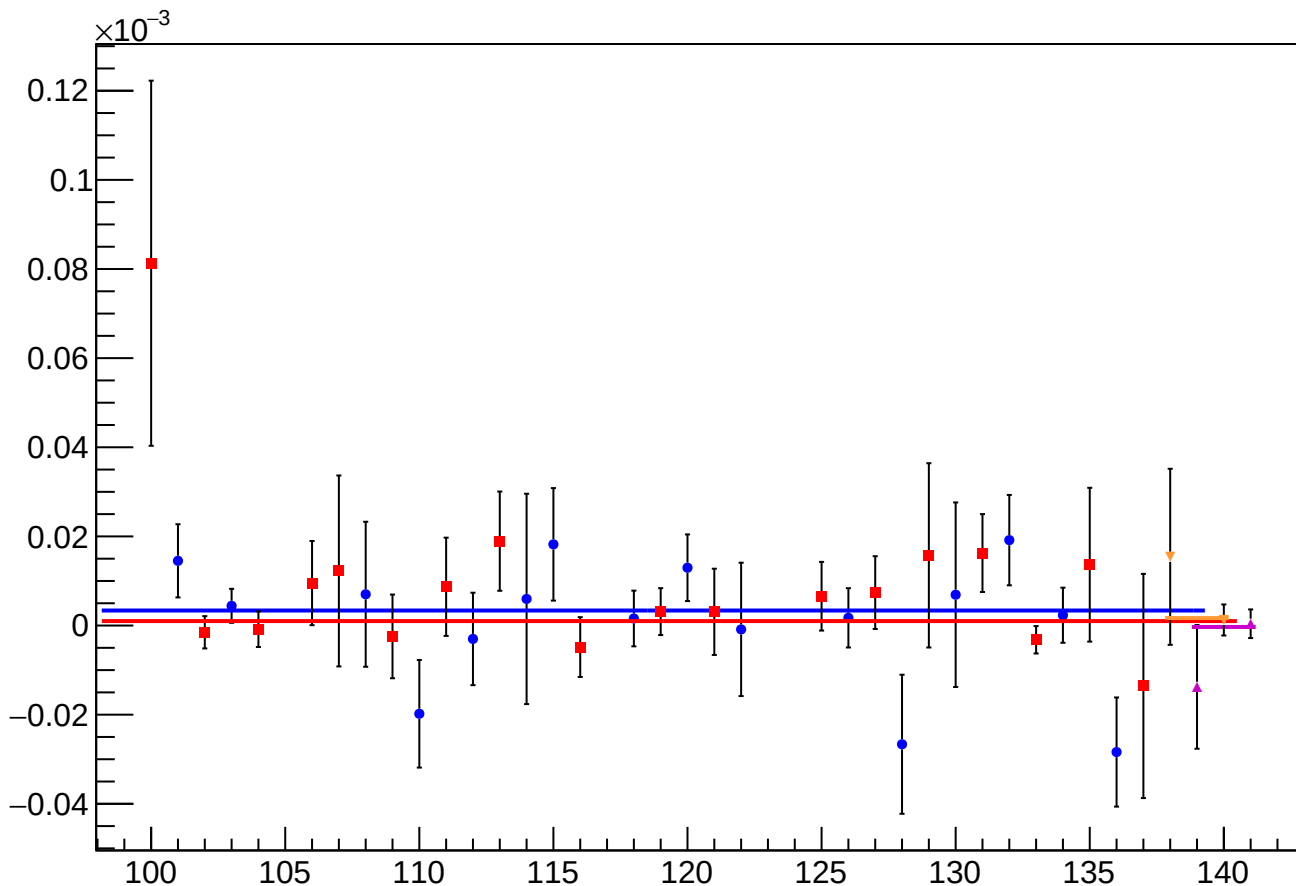
Left In: 46.099 $\pm$ 0.027 χ^2 /NDF: 1954.0/1

+ sign 51.052 $\pm$ 0.014 χ^2 /NDF: 2275845.2/17

All: 50.972 $\pm$ 0.010 χ^2 /NDF: 4533438.9/37

- sign 50.892 $\pm$ 0.014 χ^2 /NDF: 2257527.3/19

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

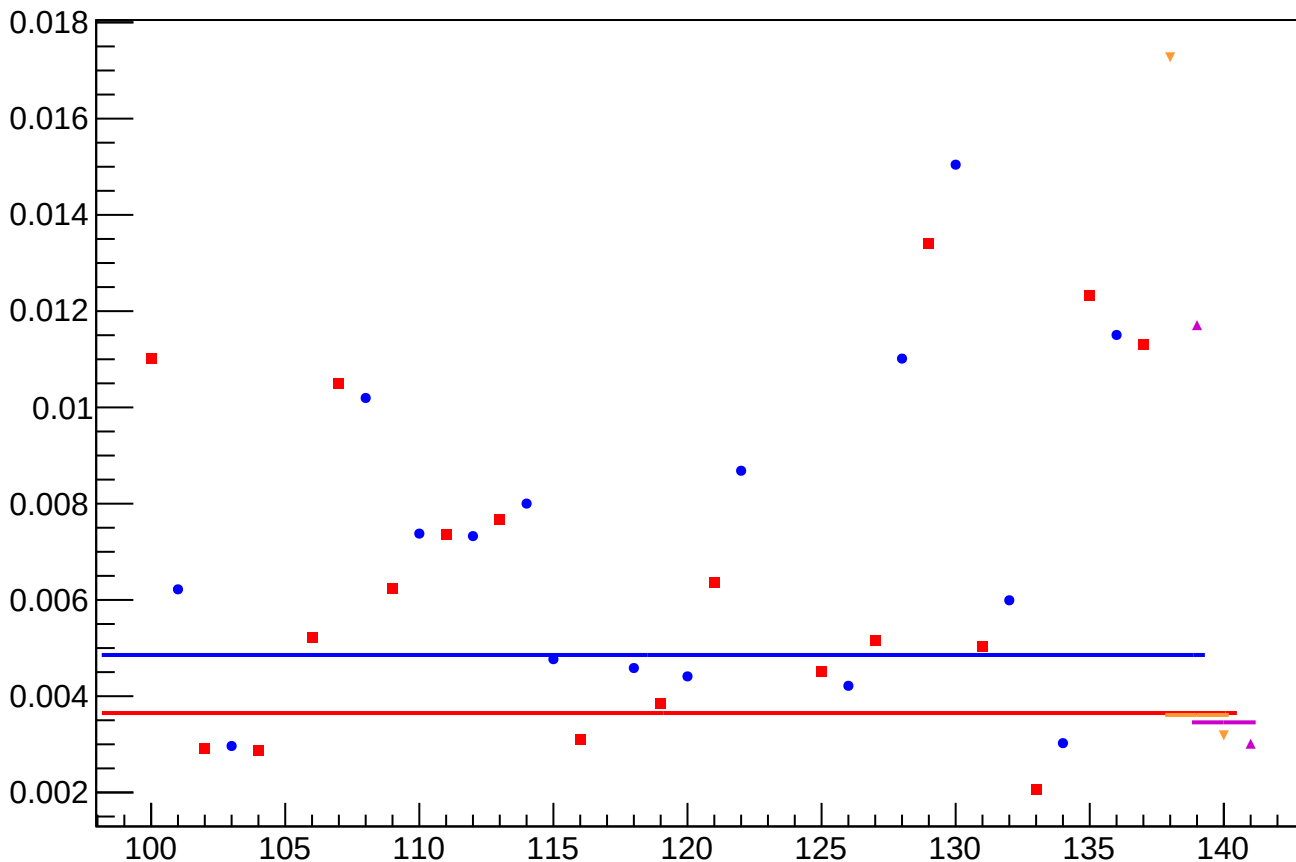
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 22.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 42.2/37

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 18.4/19

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

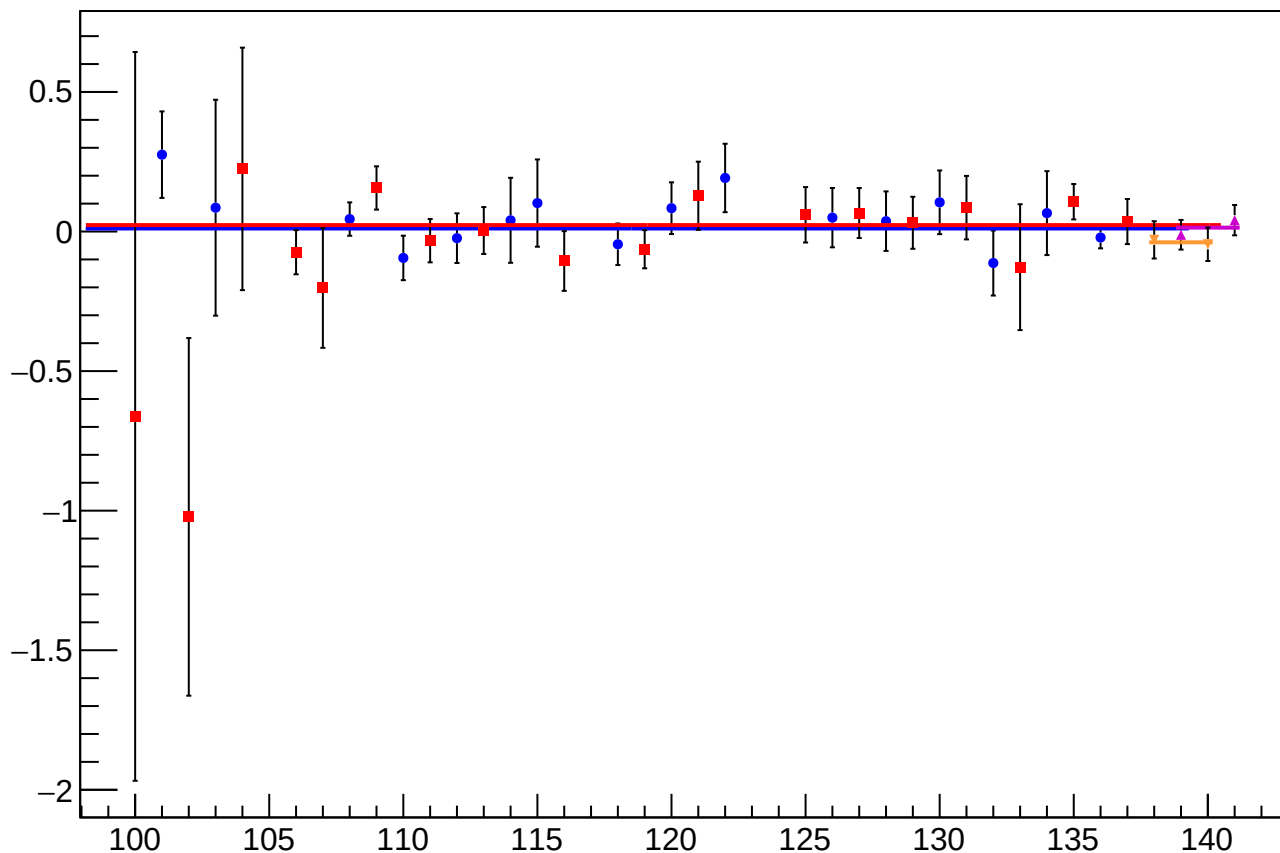
Left In: 0.003+/-0.000 χ^2/NDF :745481.1/1

+ sign 0.005+/-0.000 χ^2/NDF : 3924671.1/17

All: 0.004+/-0.000 χ^2/NDF : 8108193.8/37

- sign 0.004+/-0.000 χ^2/NDF : 3860473.9/19

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

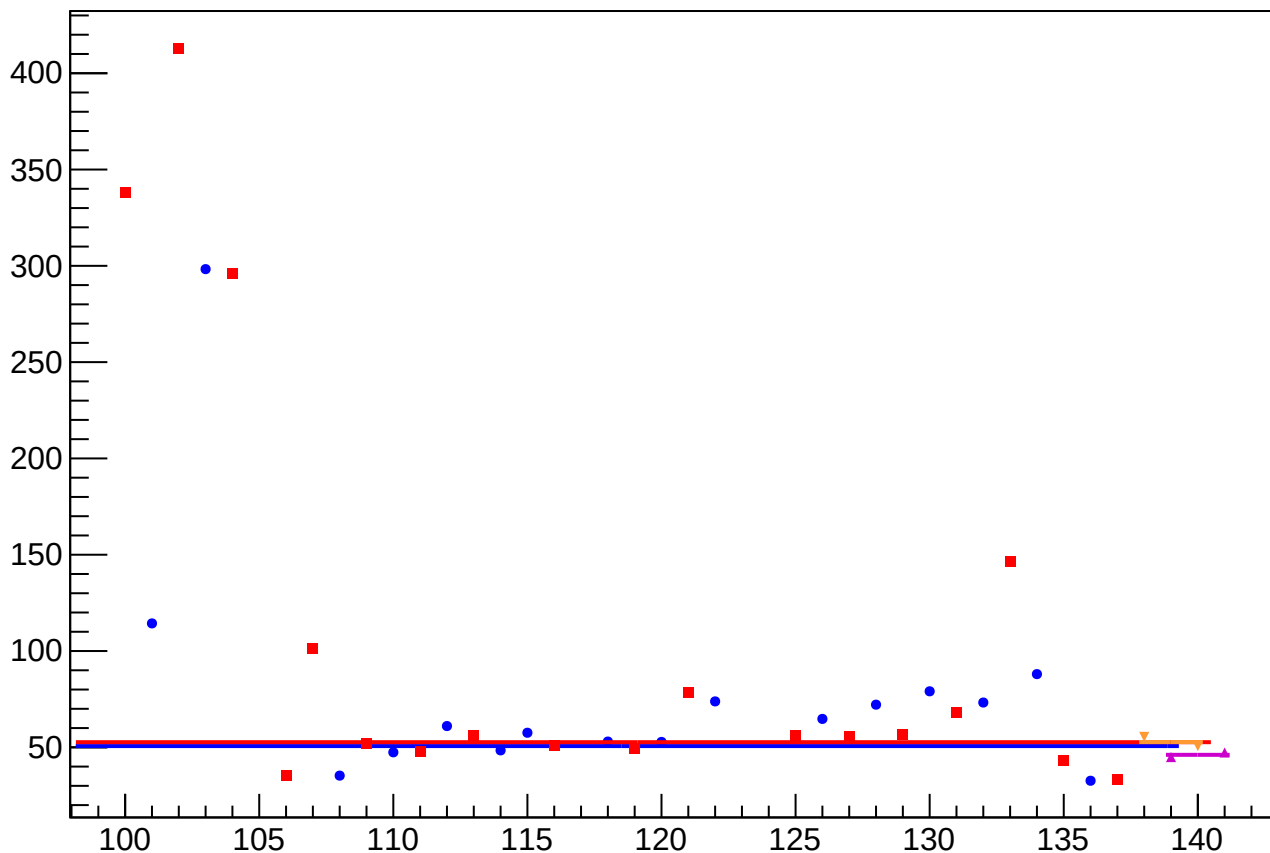
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.001 $\pm$ 0.020 χ^2 /NDF: 12.8/17

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.7/37

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

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

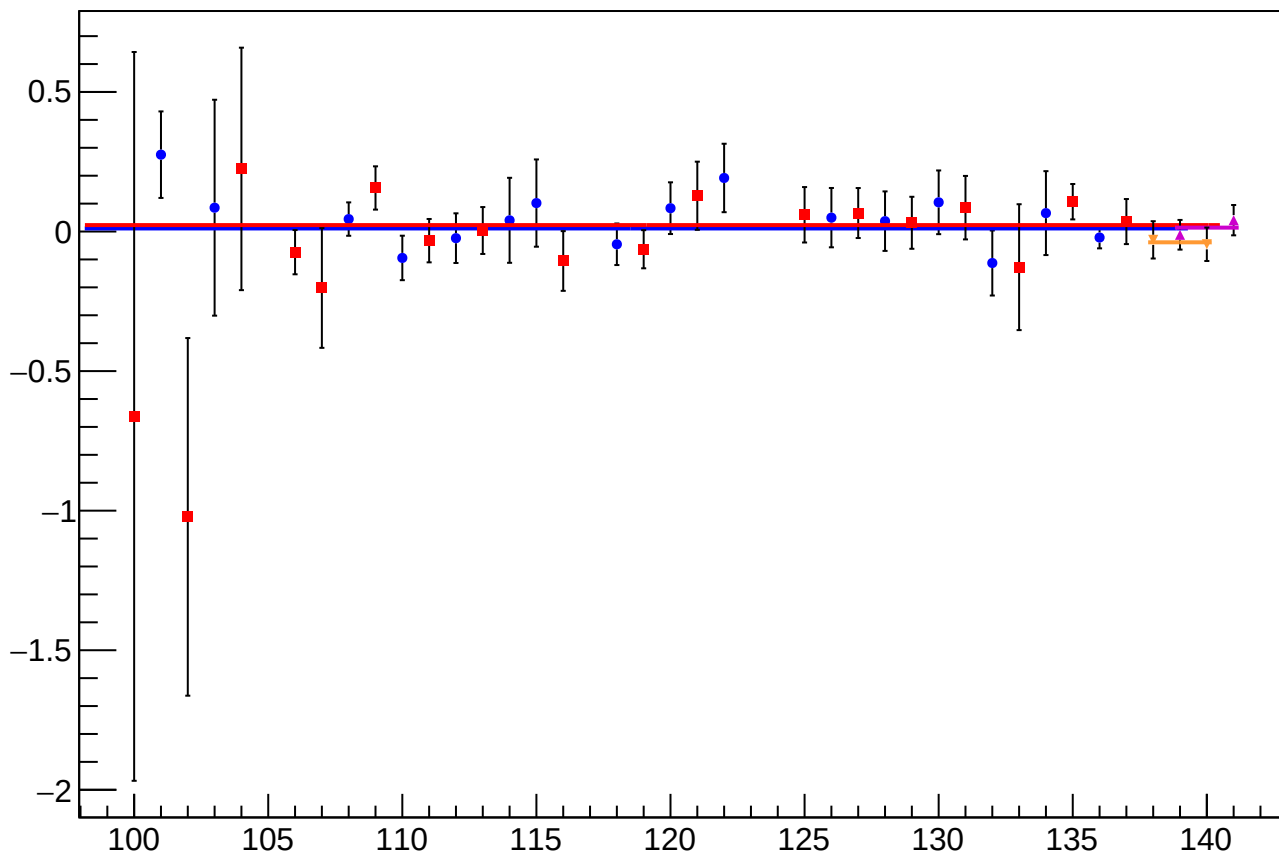
Left In: 46.100 $\pm$ 0.027 χ^2 /NDF: 1952.8/1

+ sign 51.053 $\pm$ 0.014 χ^2 /NDF: 2275752.8/17

All: 50.973 $\pm$ 0.010 χ^2 /NDF: 4533213.3/37

- sign 50.893 $\pm$ 0.014 χ^2 /NDF: 2257394.4/19

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.022 χ^2/NDF : 11.7/15

Left Out: -0.039 ± 0.045 χ^2/NDF : 0.0/1

Right Out: 0.023 ± 0.023 χ^2/NDF : 15.9/17

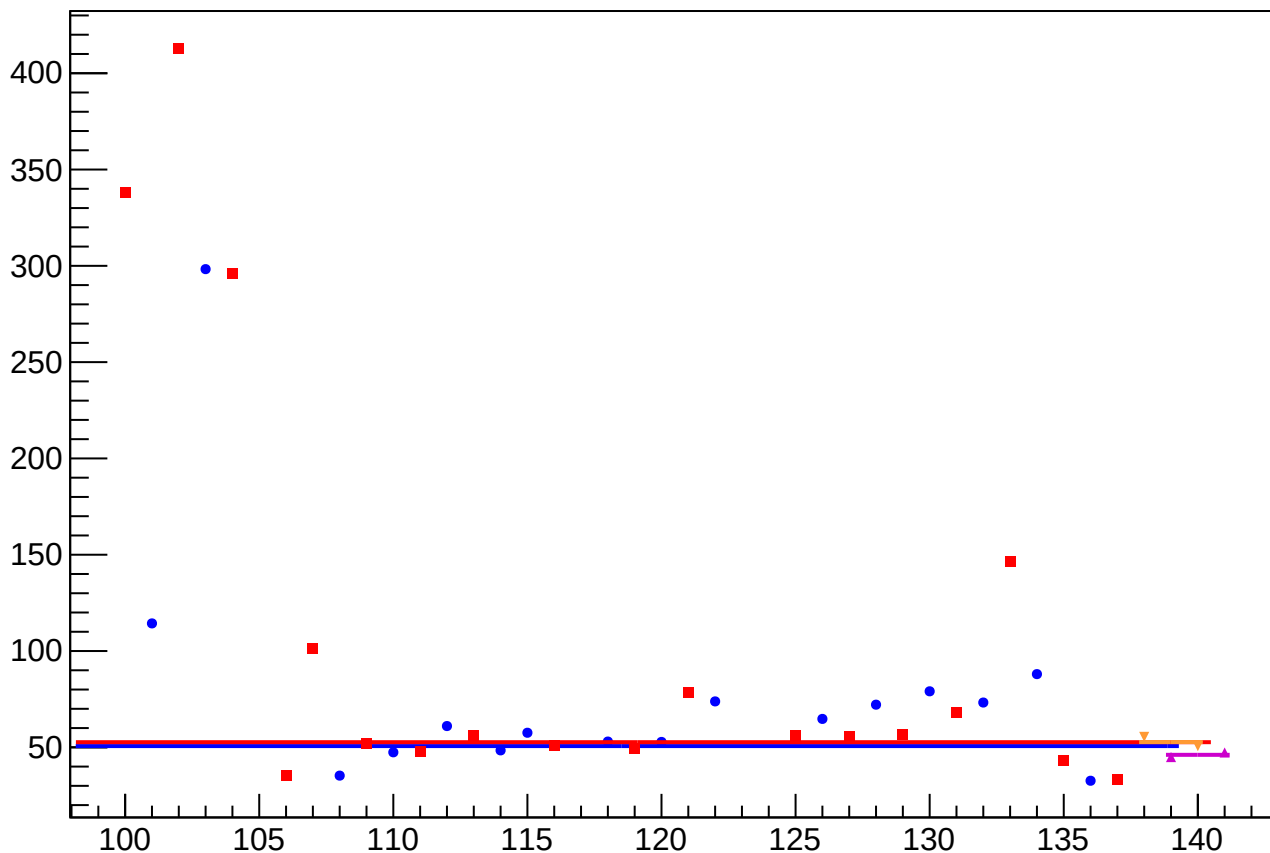
Left In: 0.014 ± 0.038 χ^2/NDF : 0.5/1

+ sign 0.001 ± 0.020 χ^2/NDF : 12.8/17

All: 0.011 ± 0.014 χ^2/NDF : 29.7/37

- sign 0.021 ± 0.020 χ^2/NDF : 16.5/19

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

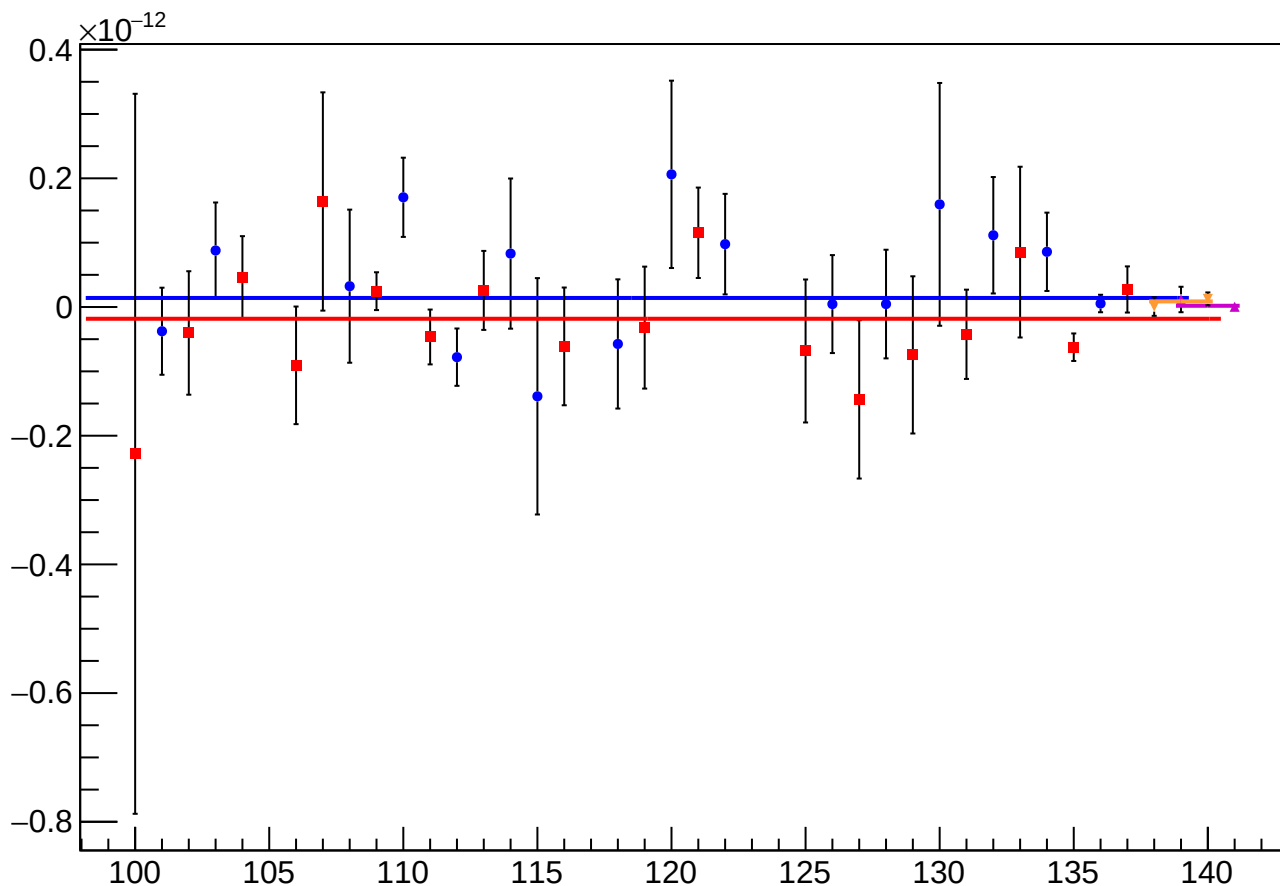
Left In: 46.100+/-0.027 χ^2/NDF : 1952.8/1

+ sign 51.053+/-0.014 χ^2/NDF : 2275752.8/17

All: 50.973+/-0.010 χ^2/NDF : 4533213.3/37

- sign 50.893+/-0.014 χ^2/NDF : 2257394.4/19

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/17

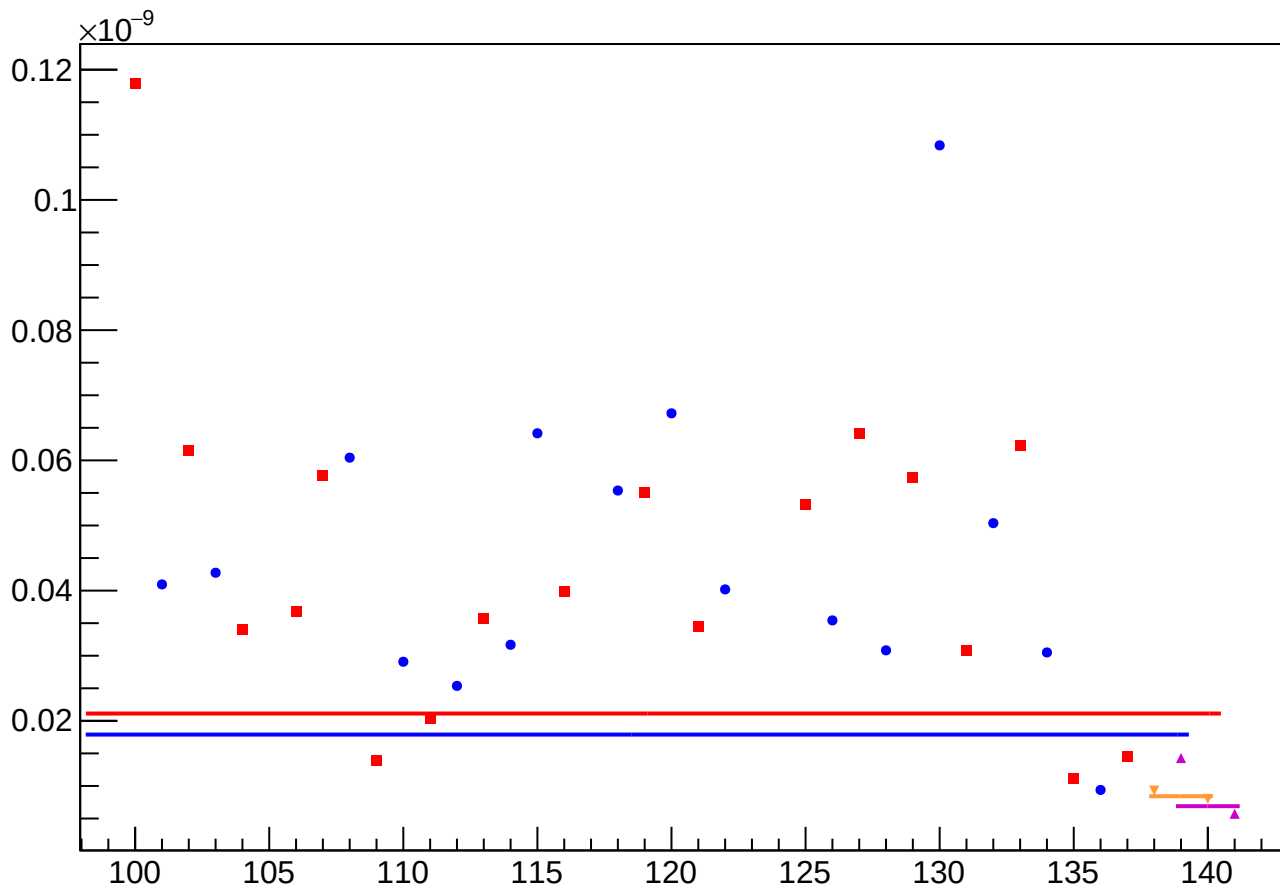
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/37

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/19

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

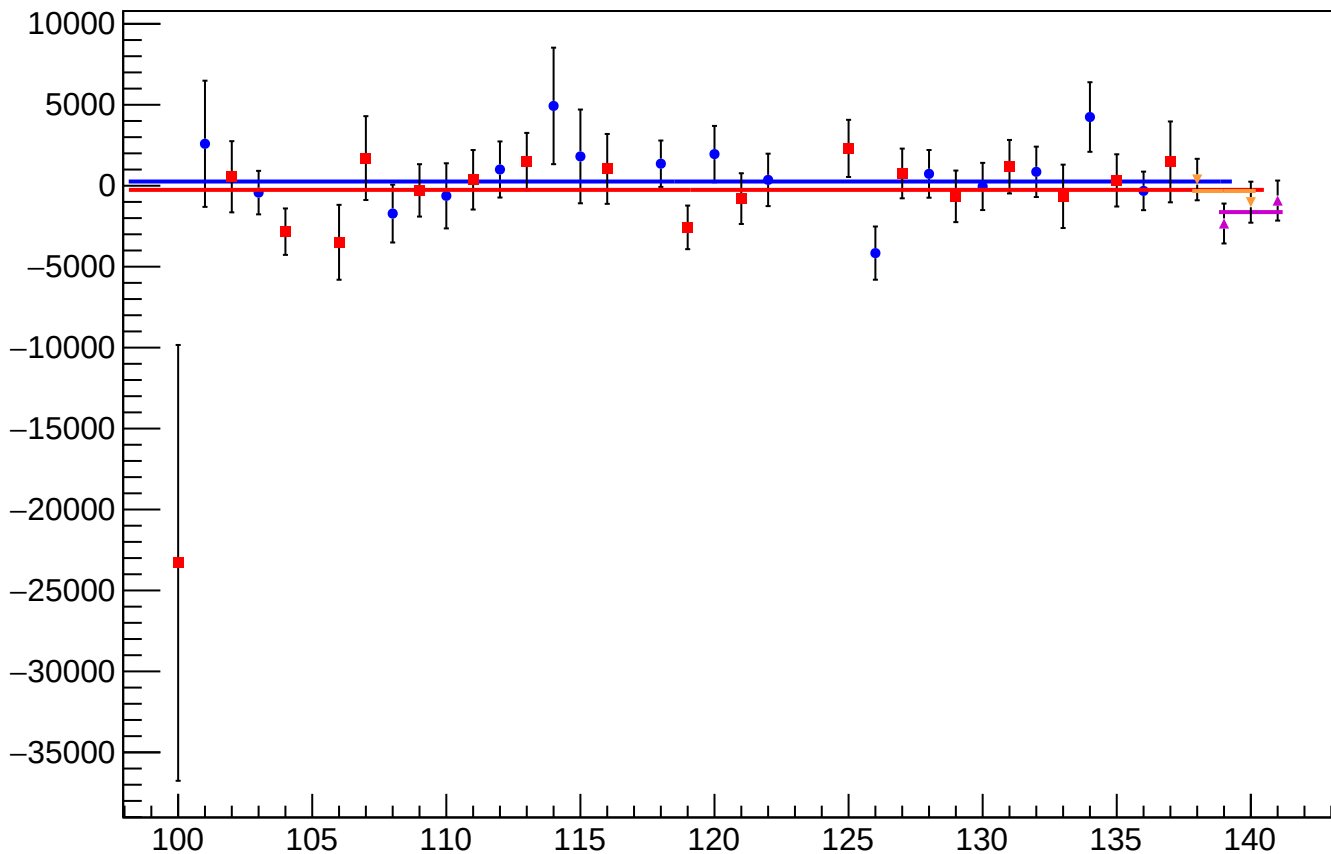
Left In: 0.000+/-0.000 χ^2/NDF : 324380.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 4322797.0/17

All: 0.000+/-0.000 χ^2/NDF : 9229965.7/37

- sign 0.000+/-0.000 χ^2/NDF : 4871830.9/19

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797 $\pm$ 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

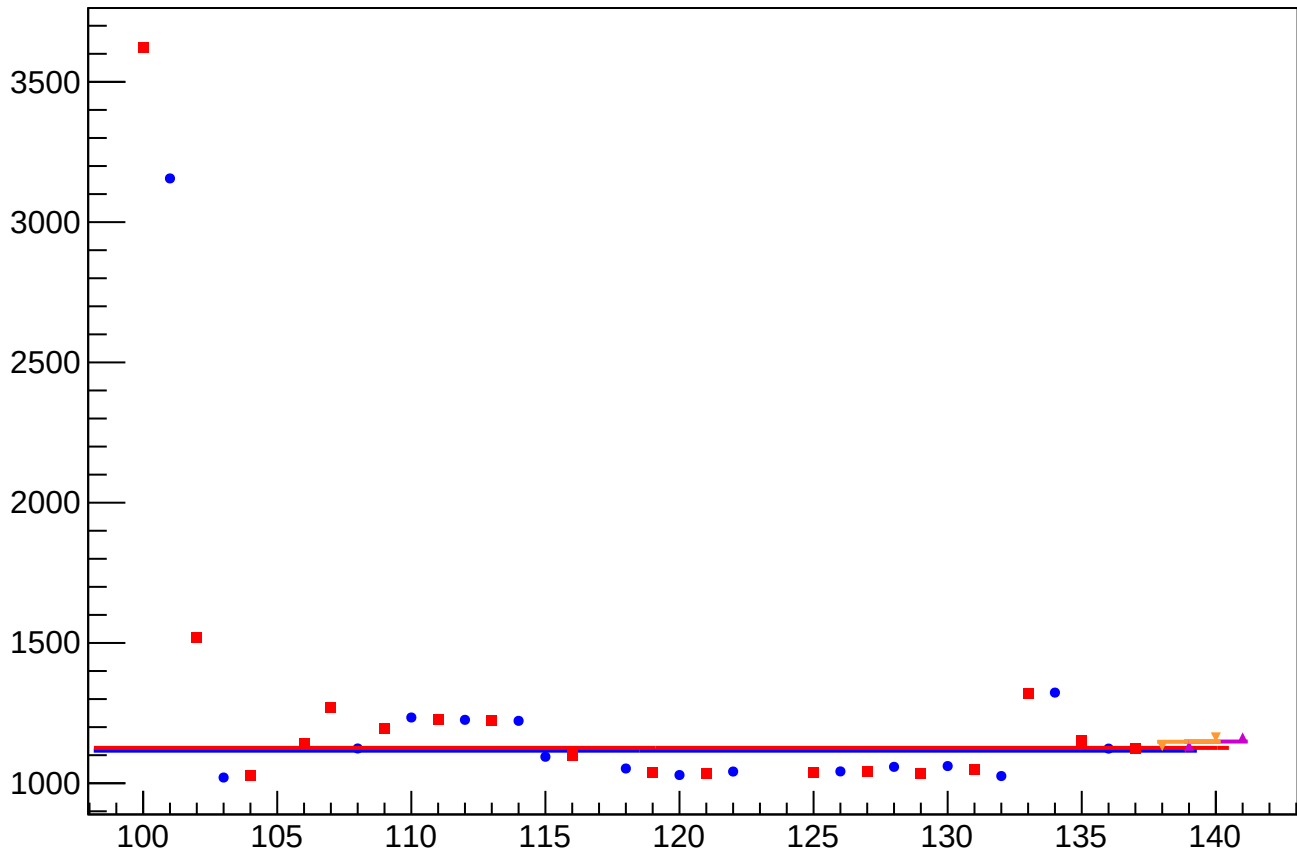
Left In: -1627.616 $\pm$ 873.084 χ^2 /NDF:0.7/1

+ sign 154.248 $\pm$ 384.116 χ^2 /NDF: 17.9/17

All: -183.861 $\pm$ 271.109 χ^2 /NDF: 39.5/37

- sign -519.482 $\pm$ 382.701 χ^2 /NDF: 20.0/19

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

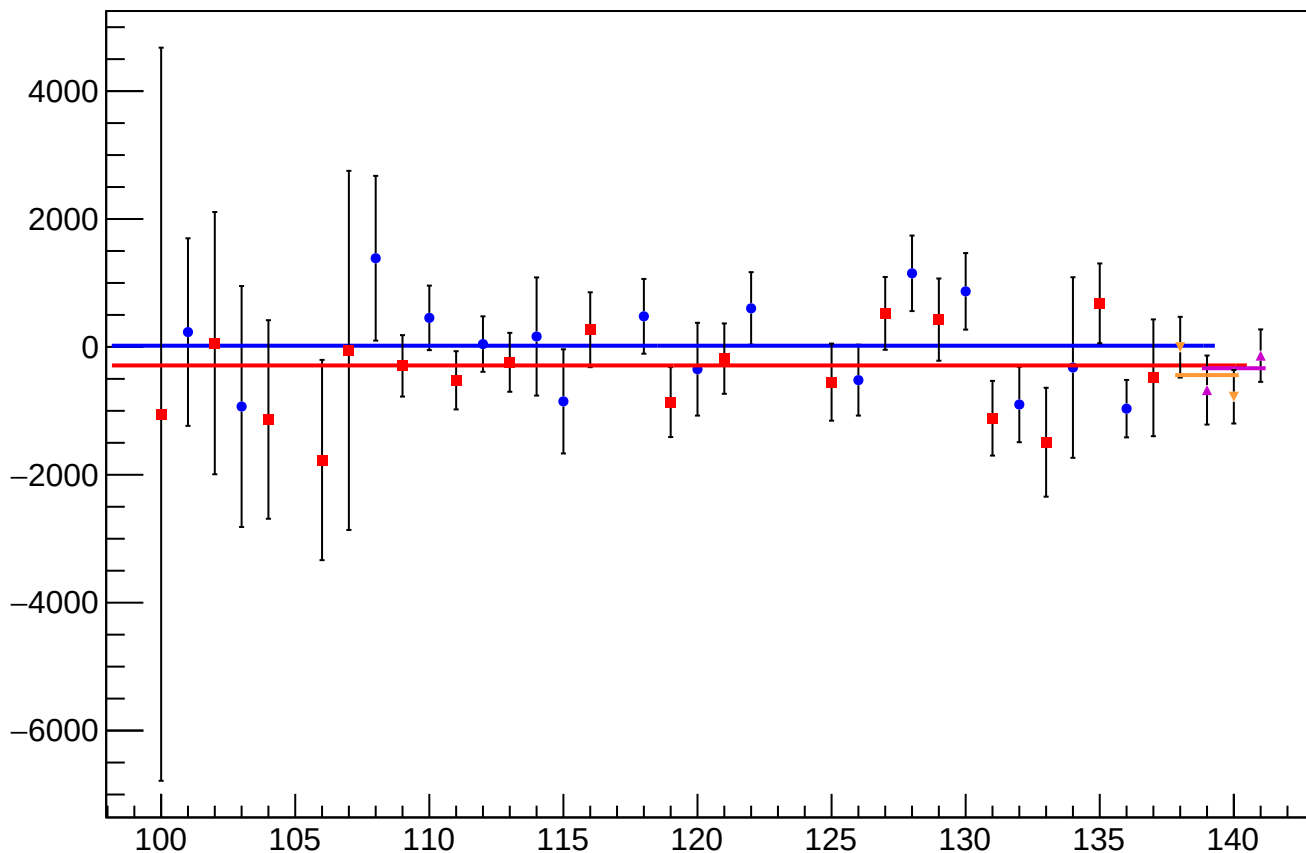
Left In: 1148.589 $\pm$ 0.617 χ^2 /NDF: 580.5/1

+ sign 1121.848 $\pm$ 0.272 χ^2 /NDF: 626024.3/17

All: 1126.116 $\pm$ 0.192 χ^2 /NDF: 850282.8/37

- sign 1130.353 $\pm$ 0.271 χ^2 /NDF: 223766.6/19

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

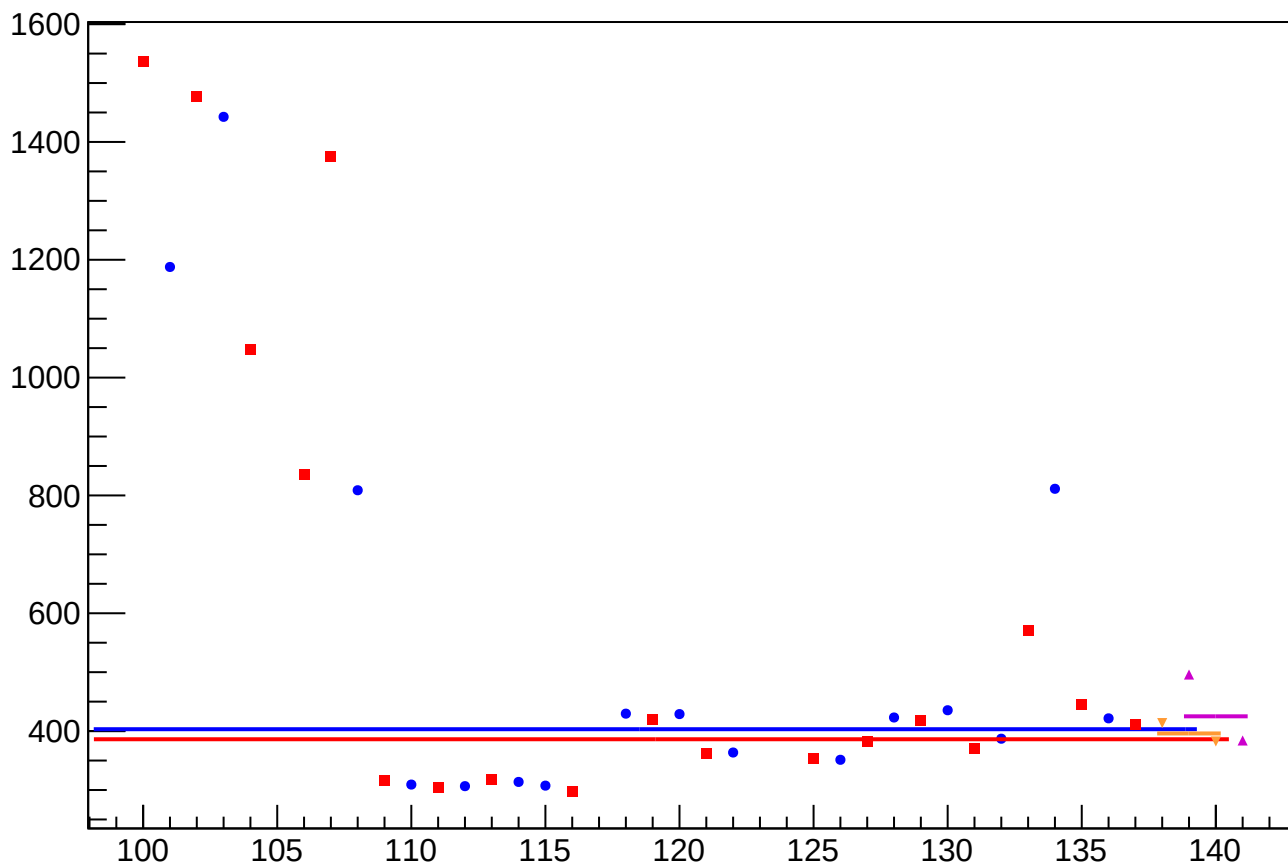
Left In: -333.774 ± 326.579 χ^2/NDF : 0.6/1

+ sign -77.494 ± 143.428 χ^2/NDF : 22.4/17

All: -189.758 ± 100.514 χ^2/NDF : 37.7/37

- sign -298.105 ± 140.904 χ^2/NDF : 14.1/19

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF : 1808432.3/15

Left Out: 395.981+/-0.222 χ^2/NDF : 4869.3/1

Right Out: 386.146+/-0.110 χ^2/NDF : 1759113.8/17

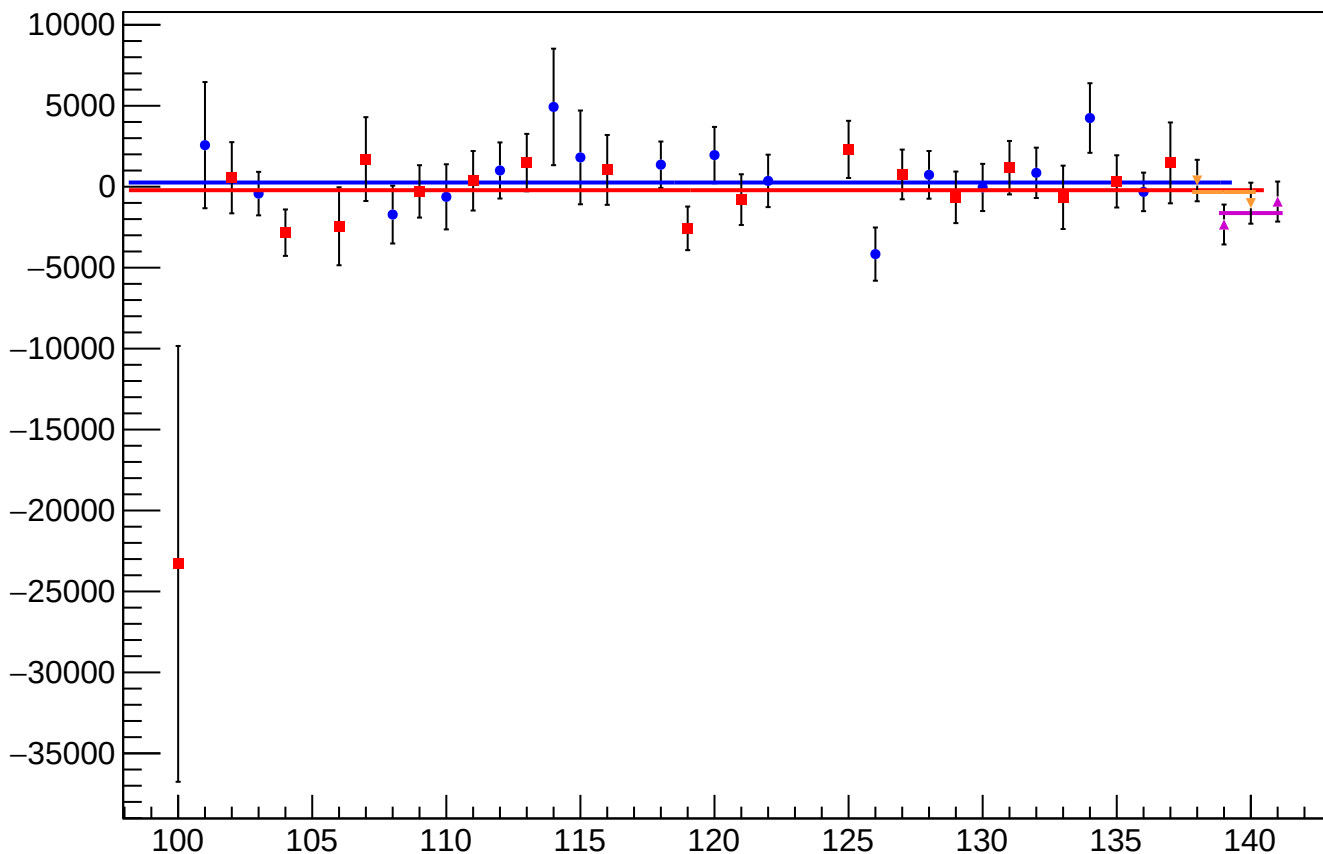
Left In: 425.072+/-0.231 χ^2/NDF : 54549.6/1

+ sign 401.689+/-0.101 χ^2/NDF : 1814137.0/17

All: 397.467+/-0.071 χ^2/NDF : 3654330.4/37

- sign 393.392+/-0.100 χ^2/NDF : 1836788.1/19

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415 $\pm$ 424.657 χ^2 /NDF: 16.9/15

Left Out: -325.186 $\pm$ 900.824 χ^2 /NDF:0.6/1

Right Out: -214.501 $\pm$ 426.342 χ^2 /NDF: 16.2/17

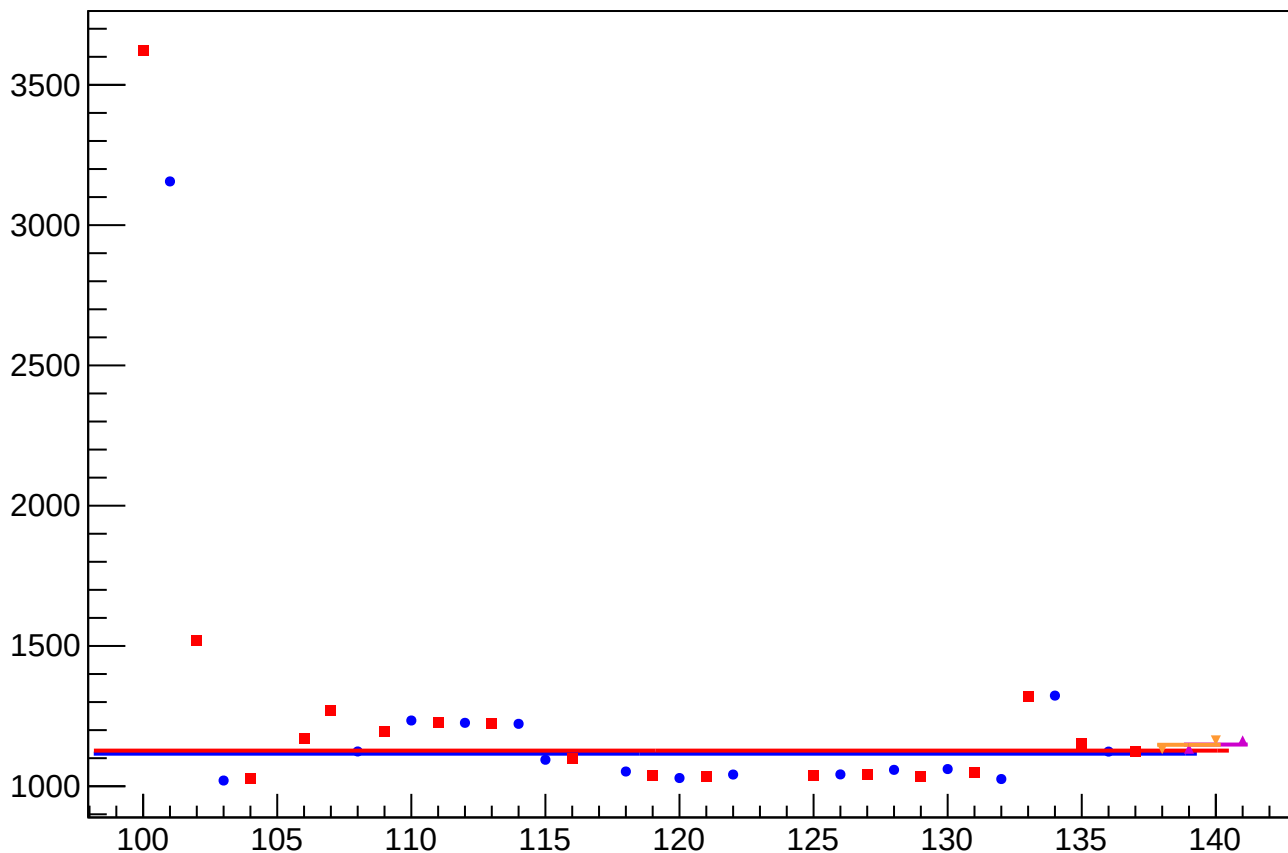
Left In: -1627.654 $\pm$ 873.084 χ^2 /NDF:0.7/1

+ sign 153.940 $\pm$ 384.116 χ^2 /NDF: 17.9/17

All: -167.169 $\pm$ 271.253 χ^2 /NDF: 38.3/37

- sign -486.591 $\pm$ 383.105 χ^2 /NDF: 19.0/19

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF : 623391.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF : 610.3/1

Right Out: 1126.960+/-0.301 χ^2/NDF : 222740.2/17

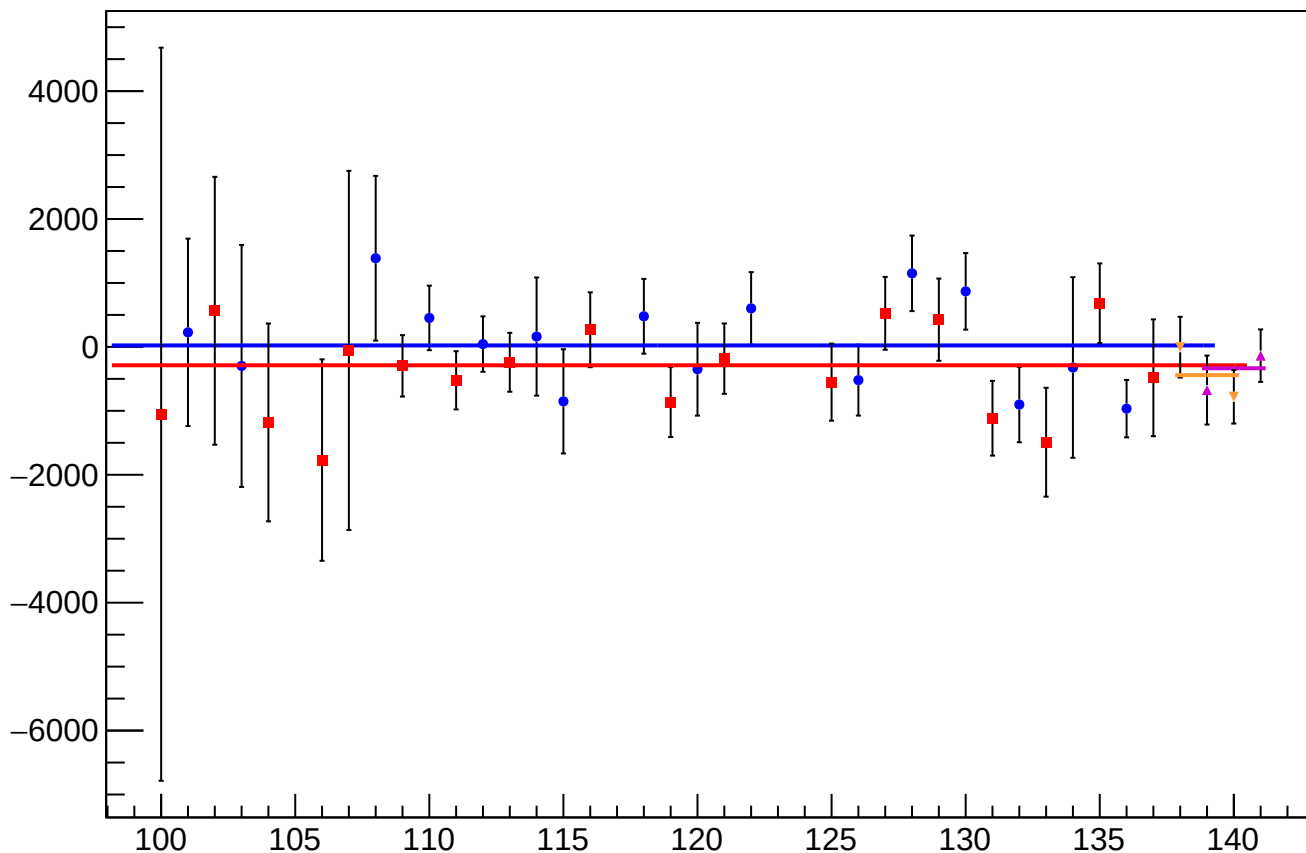
Left In: 1148.589+/-0.617 χ^2/NDF : 580.5/1

+ sign 1121.848+/-0.272 χ^2/NDF : 626025.3/17

All: 1126.499+/-0.192 χ^2/NDF : 850921.9/37

- sign 1131.125+/-0.271 χ^2/NDF : 224311.8/19

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

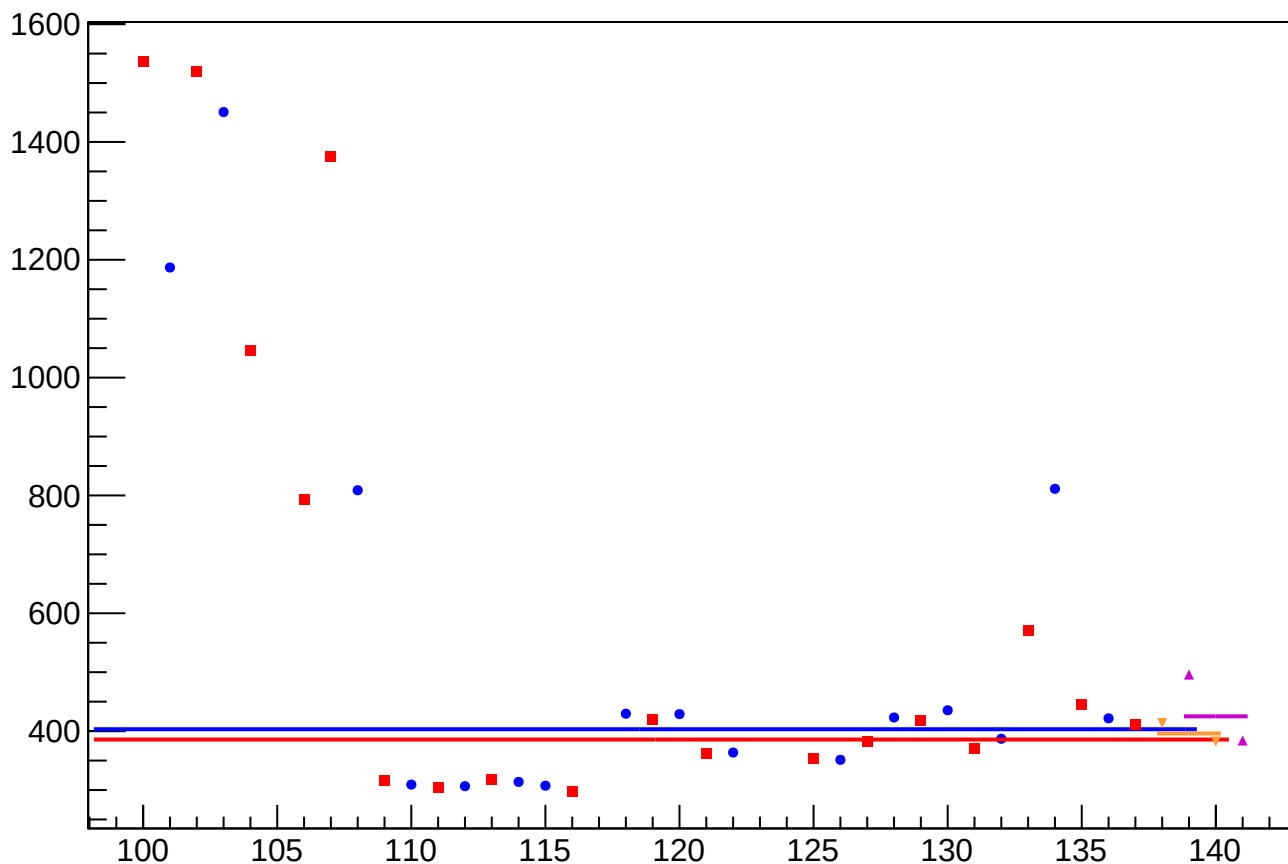
Left In: -334.029+/-326.576 χ^2/NDF : 0.6/1

+ sign -74.026+/-143.428 χ^2/NDF : 22.2/17

All: -187.101+/-100.521 χ^2/NDF : 37.7/37

- sign -296.257+/-140.920 χ^2/NDF : 14.3/19

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182 $\pm$ 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

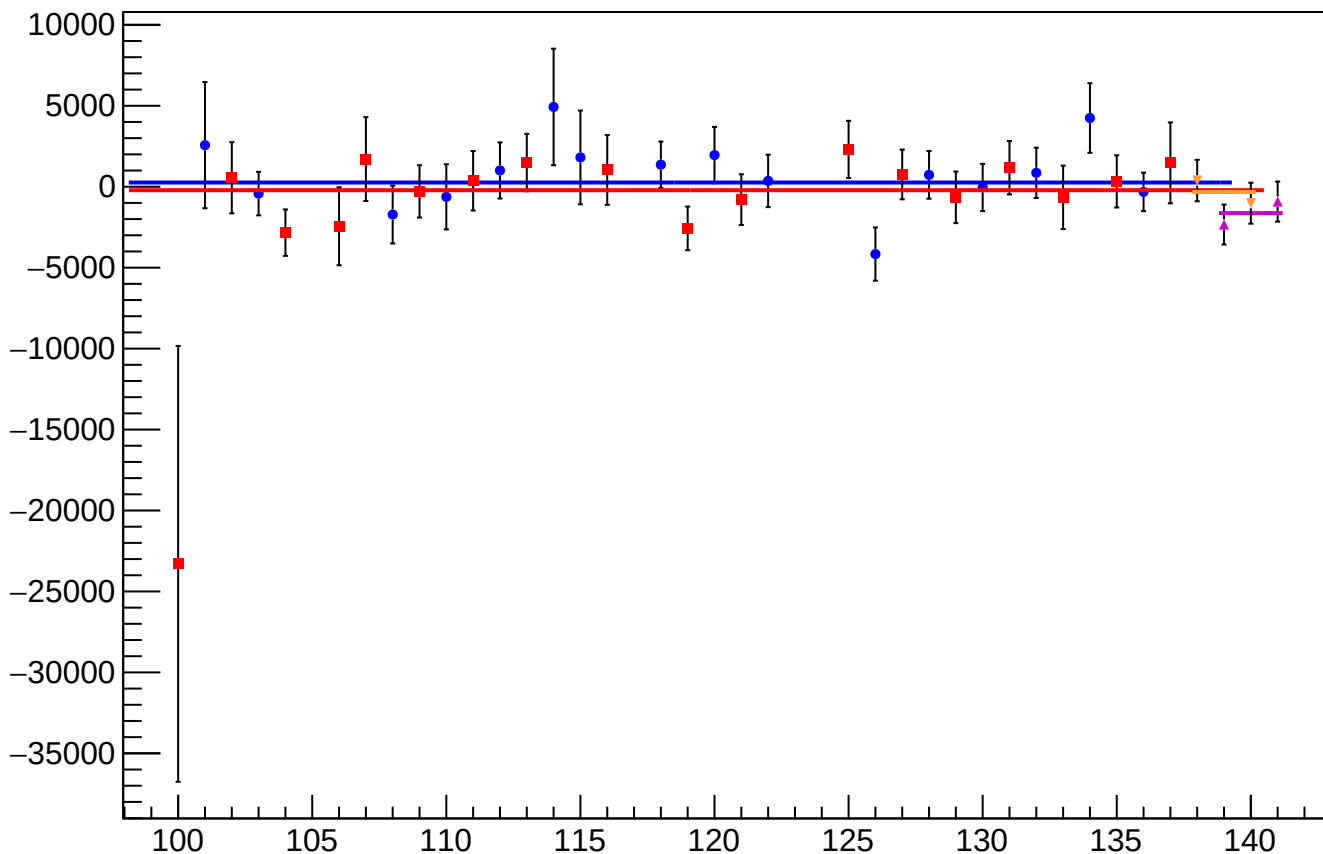
Left In: 425.068 $\pm$ 0.231 χ^2/NDF : 54537.9/1

+ sign 401.678 $\pm$ 0.101 χ^2/NDF : 1817817.0/17

All: 397.270 $\pm$ 0.071 χ^2/NDF : 3646892.8/37

- sign 393.015 $\pm$ 0.100 χ^2/NDF : 1825363.8/19

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415 $\pm$ 424.657 χ^2 /NDF: 16.9/15

Left Out: -325.186 $\pm$ 900.824 χ^2 /NDF:0.6/1

Right Out: -214.501 $\pm$ 426.342 χ^2 /NDF: 16.2/17

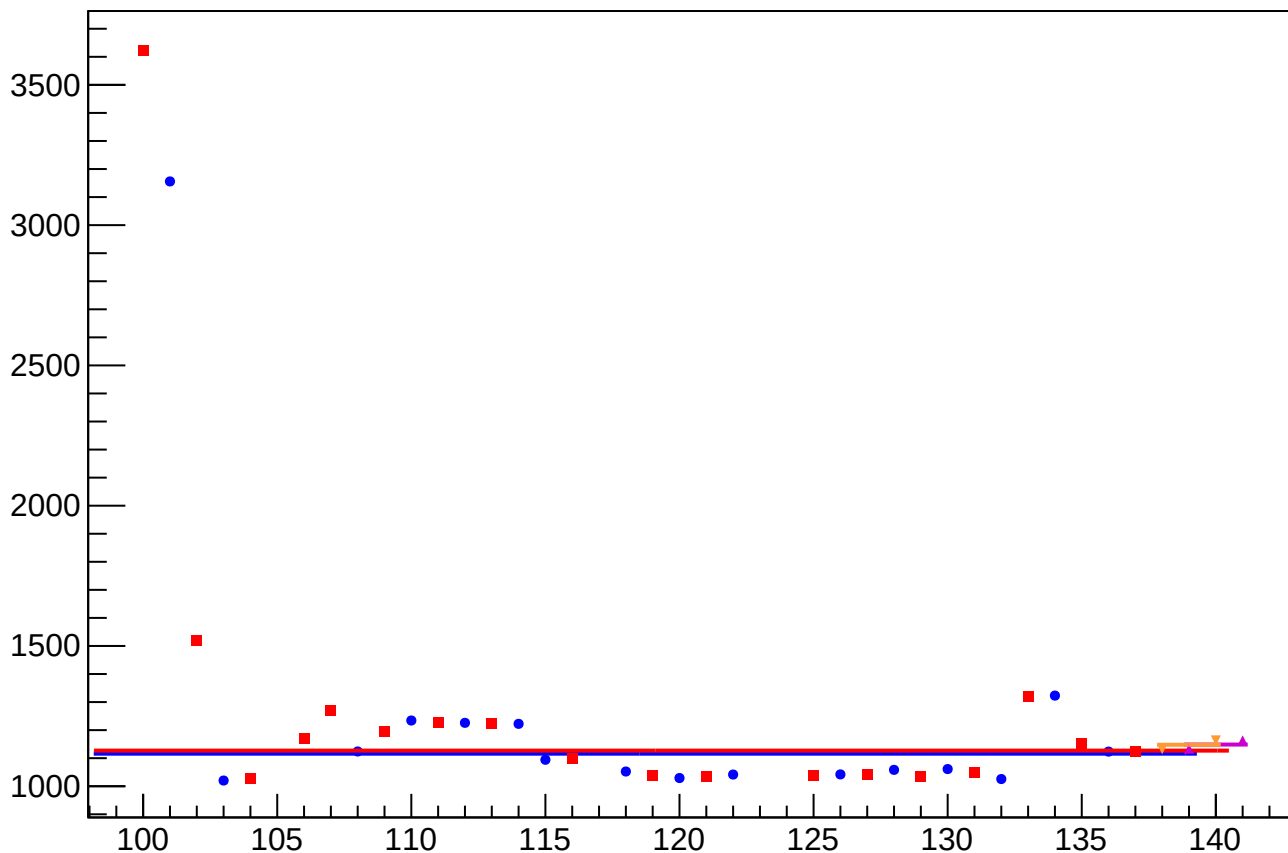
Left In: -1627.654 $\pm$ 873.084 χ^2 /NDF:0.7/1

+ sign 153.940 $\pm$ 384.116 χ^2 /NDF: 17.9/17

All: -167.169 $\pm$ 271.253 χ^2 /NDF: 38.3/37

- sign -486.591 $\pm$ 383.105 χ^2 /NDF: 19.0/19

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF : 623391.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF : 610.3/1

Right Out: 1126.960+/-0.301 χ^2/NDF : 222740.2/17

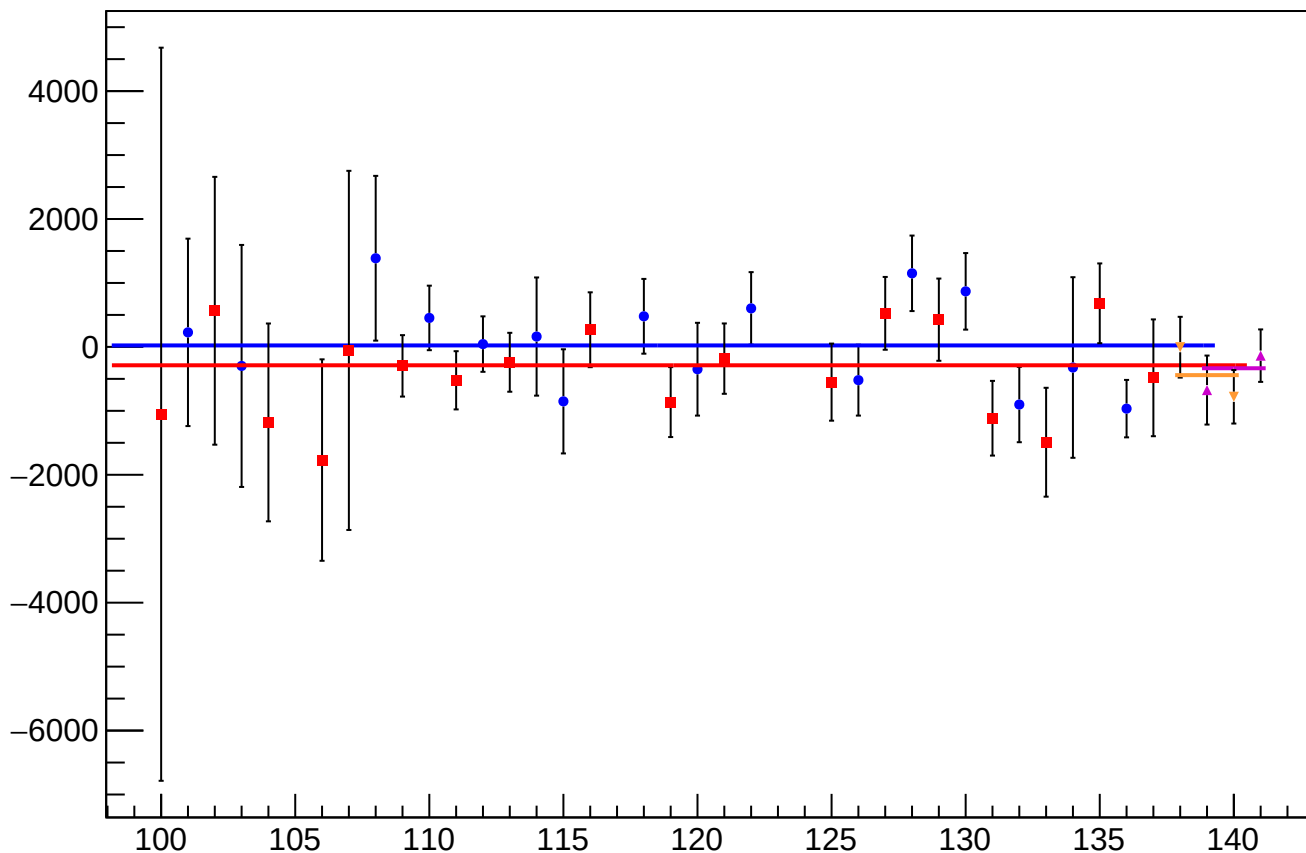
Left In: 1148.589+/-0.617 χ^2/NDF : 580.5/1

+ sign 1121.848+/-0.272 χ^2/NDF : 626025.3/17

All: 1126.499+/-0.192 χ^2/NDF : 850921.9/37

- sign 1131.125+/-0.271 χ^2/NDF : 224311.8/19

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

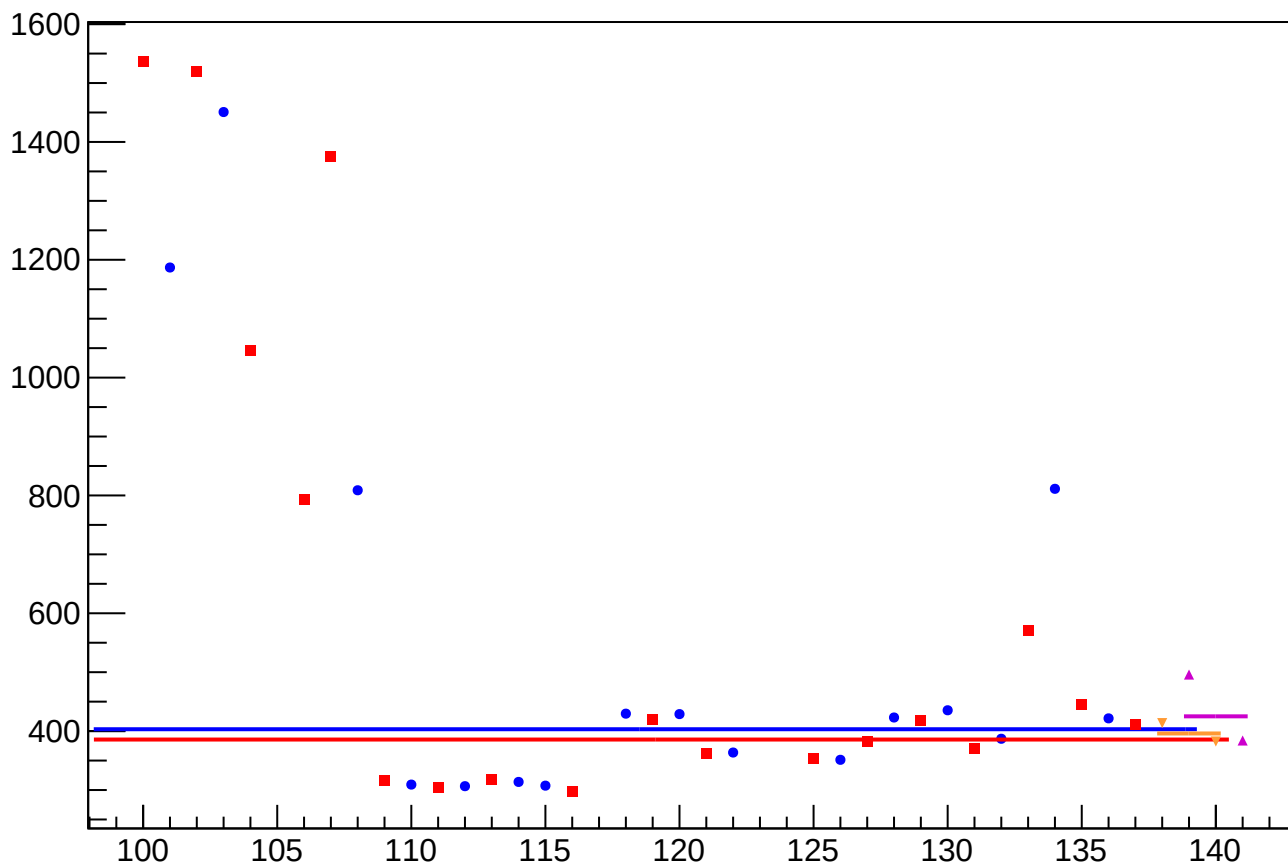
Left In: -334.029+/-326.576 χ^2/NDF : 0.6/1

+ sign -74.026+/-143.428 χ^2/NDF : 22.2/17

All: -187.101+/-100.521 χ^2/NDF : 37.7/37

- sign -296.257+/-140.920 χ^2/NDF : 14.3/19

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

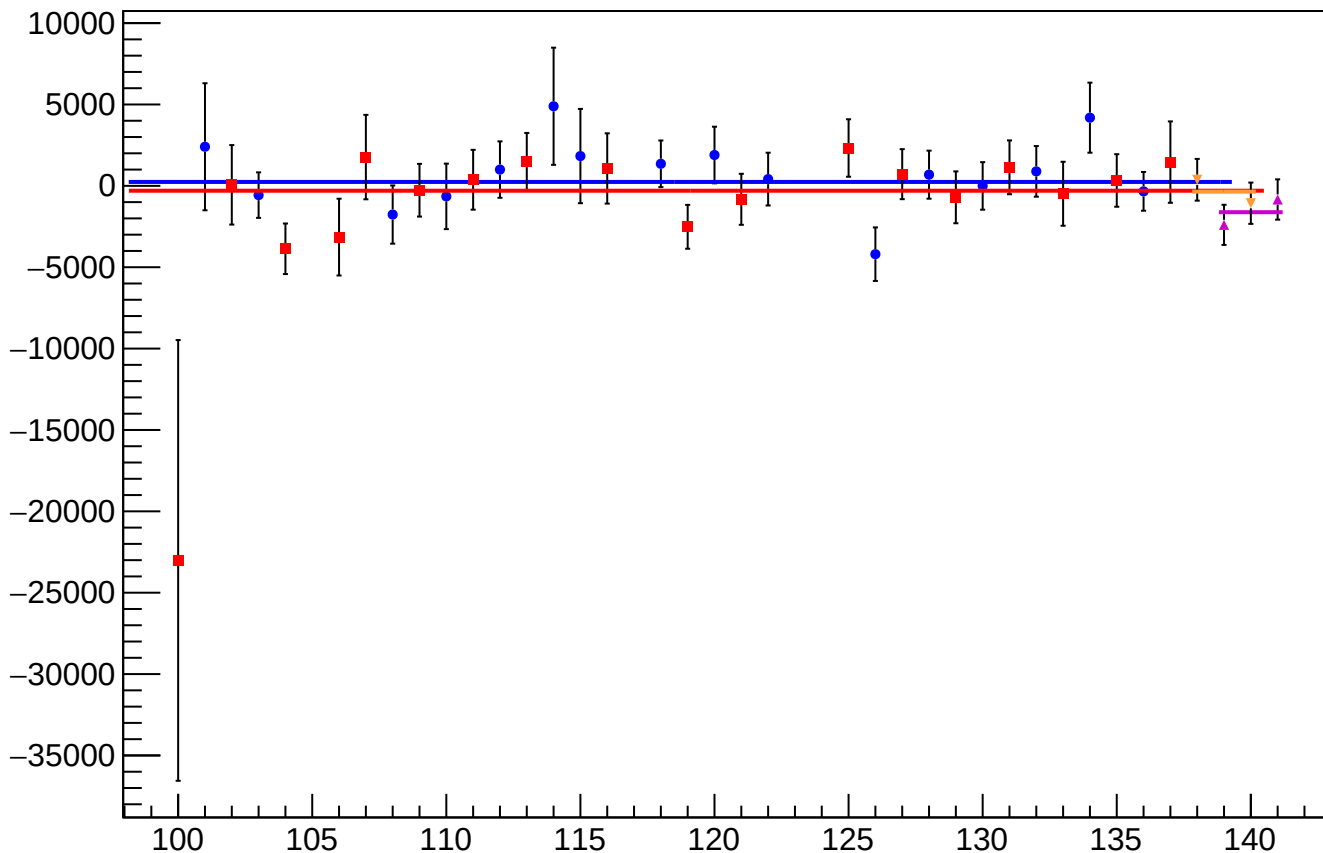
Left In: 425.068+/-0.231 χ^2/NDF : 54537.9/1

+ sign 401.678+/-0.101 χ^2/NDF : 1817817.0/17

All: 397.270+/-0.071 χ^2/NDF : 3646892.8/37

- sign 393.015+/-0.100 χ^2/NDF : 1825363.8/19

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827 $\pm$ 426.592 χ^2 /NDF: 17.0/15

Left Out: -354.963 $\pm$ 901.834 χ^2 /NDF: 0.6/1

Right Out: -298.921 $\pm$ 430.767 χ^2 /NDF: 18.7/17

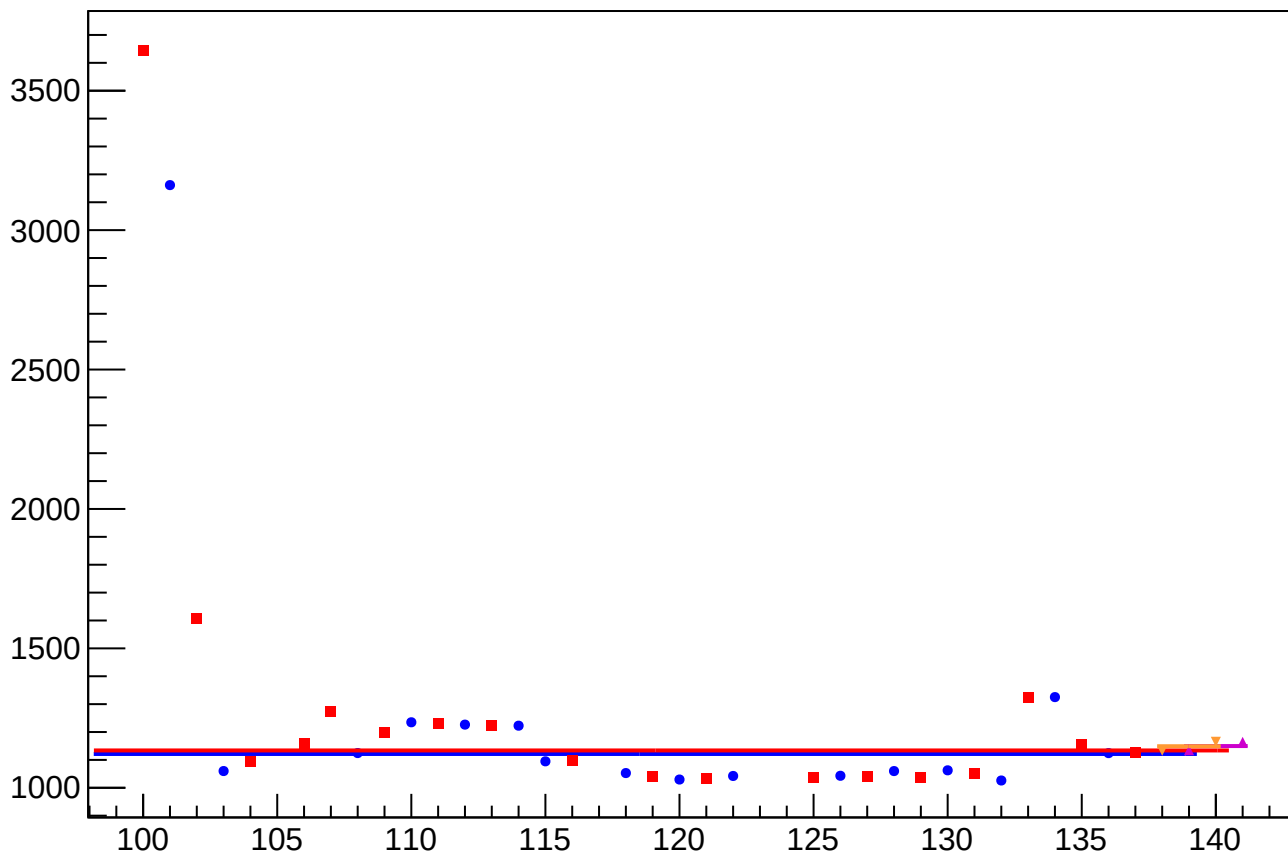
Left In: -1619.417 $\pm$ 873.939 χ^2 /NDF: 0.8/1

+ sign 131.891 $\pm$ 385.625 χ^2 /NDF: 17.9/17

All: -211.896 $\pm$ 272.945 χ^2 /NDF: 40.9/37

- sign -557.031 $\pm$ 386.380 χ^2 /NDF: 21.3/19

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF : 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF : 631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF : 227457.1/17

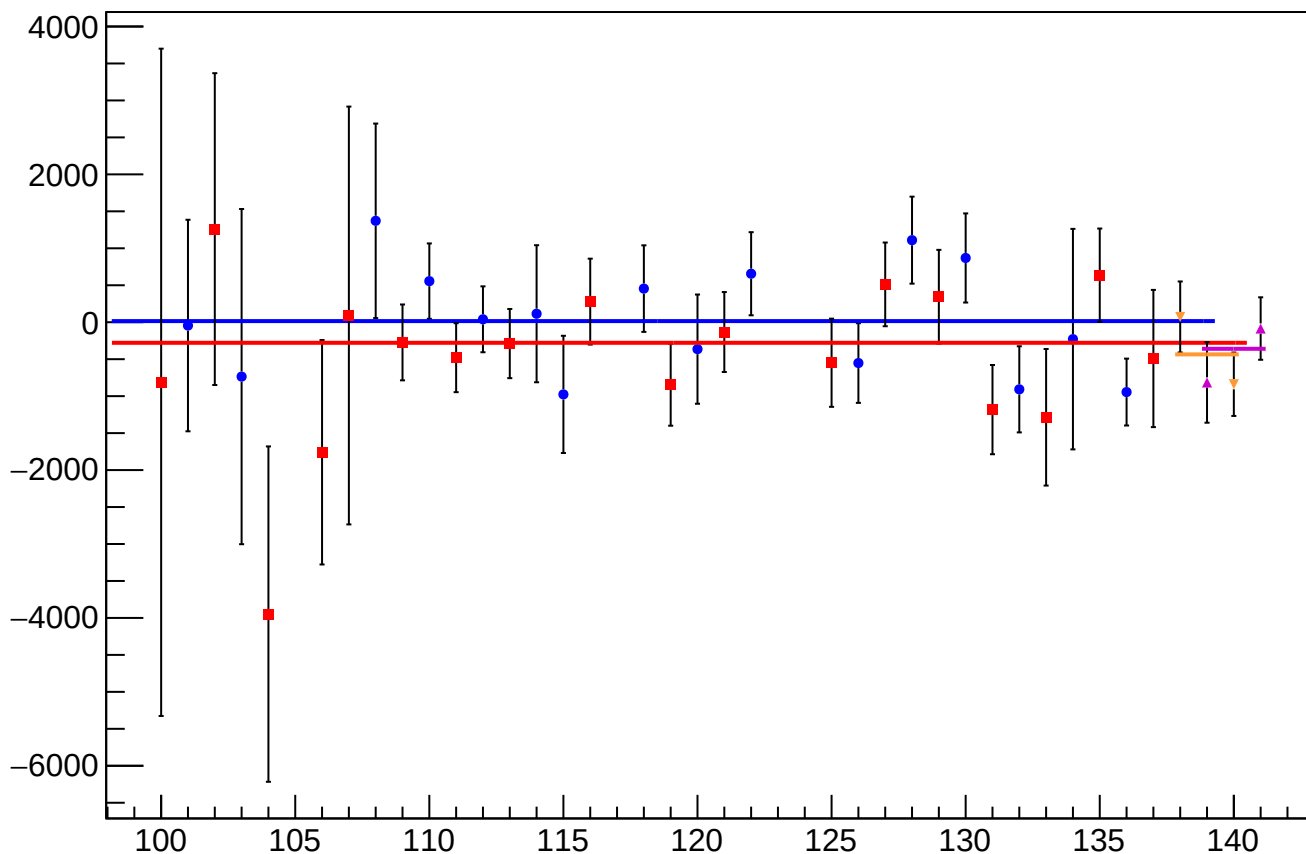
Left In: 1149.689+/-0.618 χ^2/NDF : 588.8/1

+ sign 1126.368+/-0.273 χ^2/NDF : 619207.5/17

All: 1131.679+/-0.193 χ^2/NDF : 848536.7/37

- sign 1137.010+/-0.273 χ^2/NDF : 228569.2/19

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291 $\pm$ 161.845 χ^2 /NDF: 19.6/15

Left Out: -435.073 $\pm$ 319.875 χ^2 /NDF: 2.0/1

Right Out: -278.251 $\pm$ 158.828 χ^2 /NDF: 15.1/17

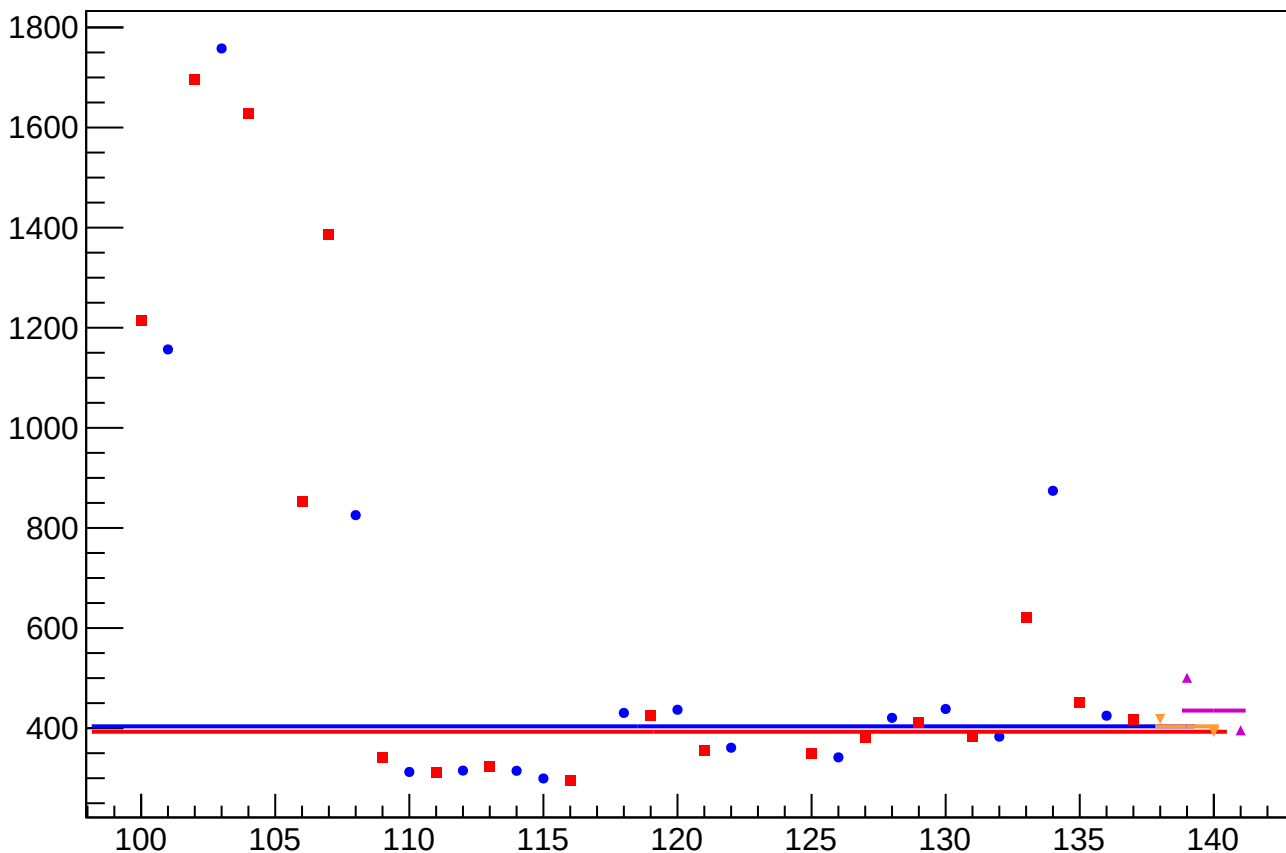
Left In: -359.433 $\pm$ 333.826 χ^2 /NDF: 1.1/1

+ sign -76.503 $\pm$ 144.413 χ^2 /NDF: 23.2/17

All: -185.615 $\pm$ 101.763 χ^2 /NDF: 40.6/37

- sign -293.236 $\pm$ 143.422 χ^2 /NDF: 16.2/19

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

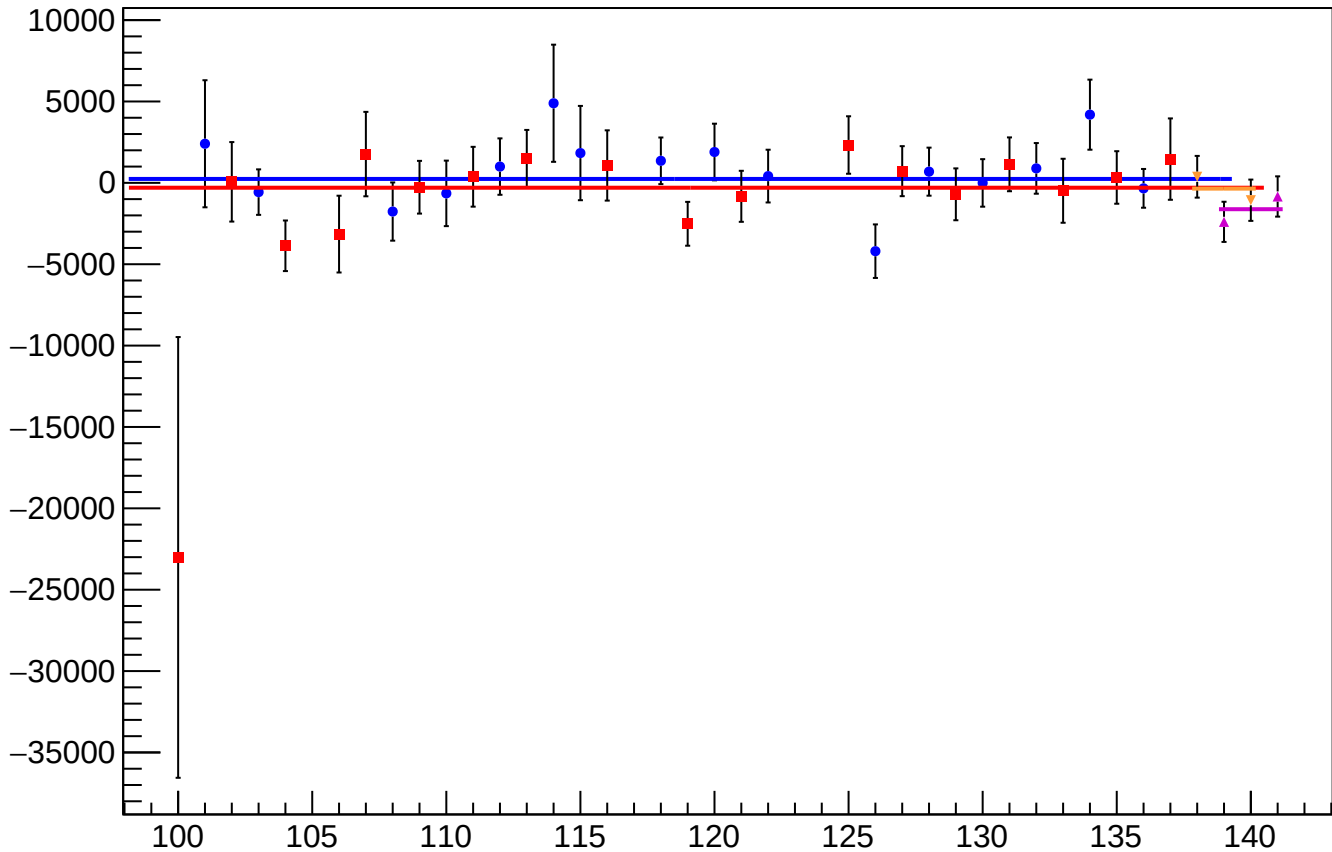
Left In: 435.151+/-0.236 χ^2/NDF : 46374.0/1

+ sign 403.664+/-0.102 χ^2/NDF : 1932873.0/17

All: 402.138+/-0.072 χ^2/NDF : 4209368.9/37

- sign 400.634+/-0.101 χ^2/NDF : 2276052.8/19

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829 $\pm$ 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

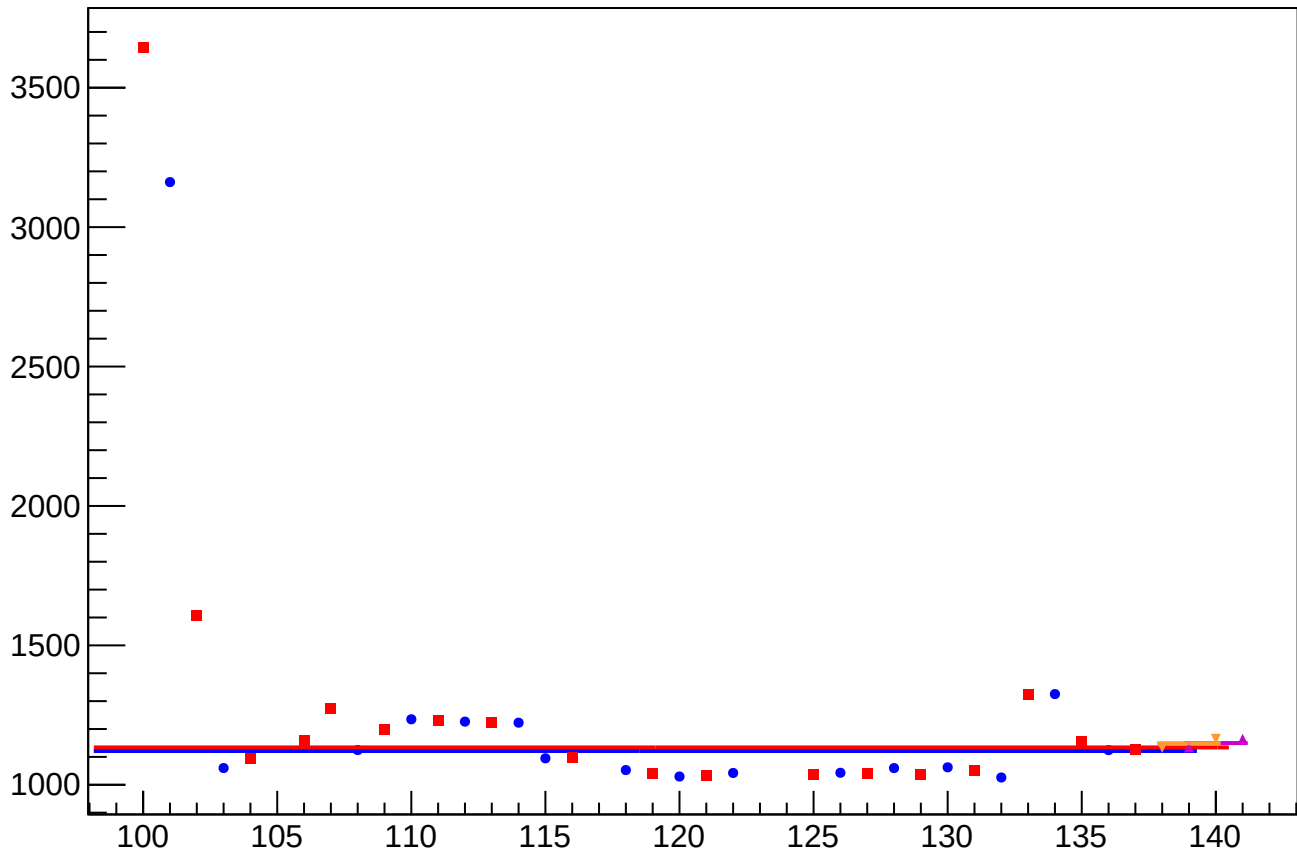
Left In: -1619.412 $\pm$ 873.939 χ^2 /NDF: 0.8/1

+ sign 131.892 $\pm$ 385.625 χ^2 /NDF: 17.9/17

All: -211.896 $\pm$ 272.945 χ^2 /NDF: 40.9/37

- sign -557.031 $\pm$ 386.380 χ^2 /NDF: 21.3/19

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF : 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF : 631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF : 227457.1/17

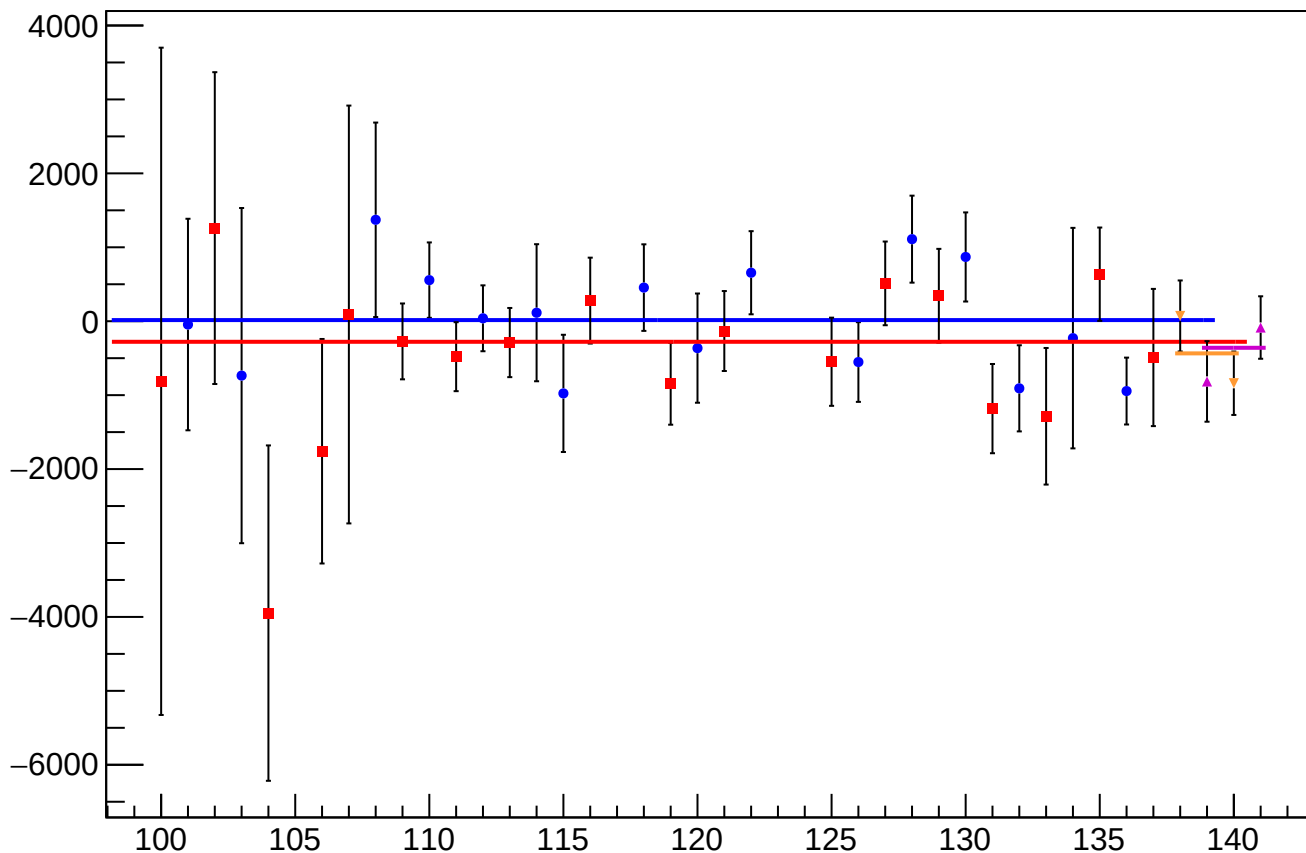
Left In: 1149.689+/-0.618 χ^2/NDF : 588.8/1

+ sign 1126.368+/-0.273 χ^2/NDF : 619207.6/17

All: 1131.679+/-0.193 χ^2/NDF : 848536.8/37

- sign 1137.010+/-0.273 χ^2/NDF : 228569.3/19

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

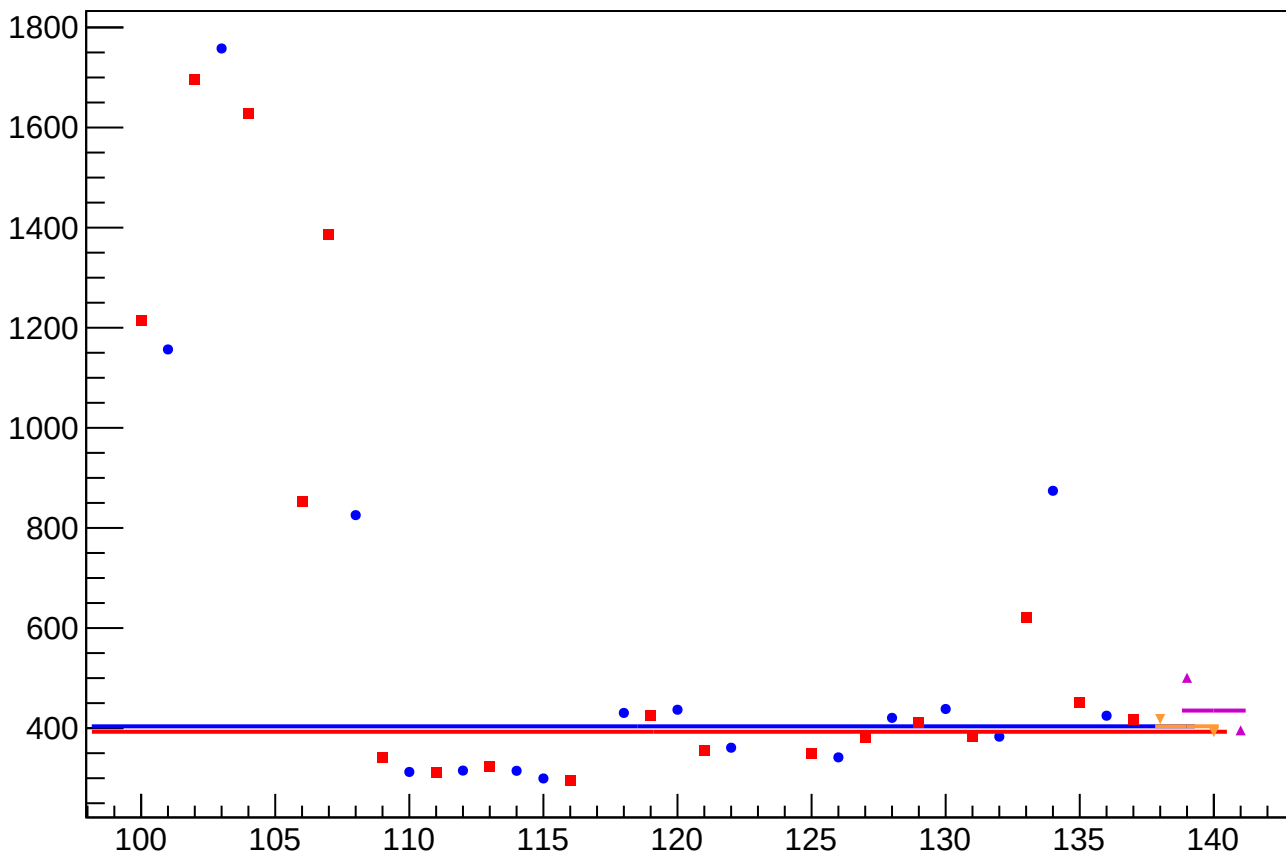
Left In: -359.434 $\pm$ 333.826 χ^2 /NDF: 1.1/1

+ sign -76.505 $\pm$ 144.412 χ^2 /NDF: 23.2/17

All: -185.616 $\pm$ 101.762 χ^2 /NDF: 40.6/37

- sign -293.234 $\pm$ 143.421 χ^2 /NDF: 16.2/19

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

+ sign 403.661+/-0.102 χ^2/NDF : 1932869.0/17

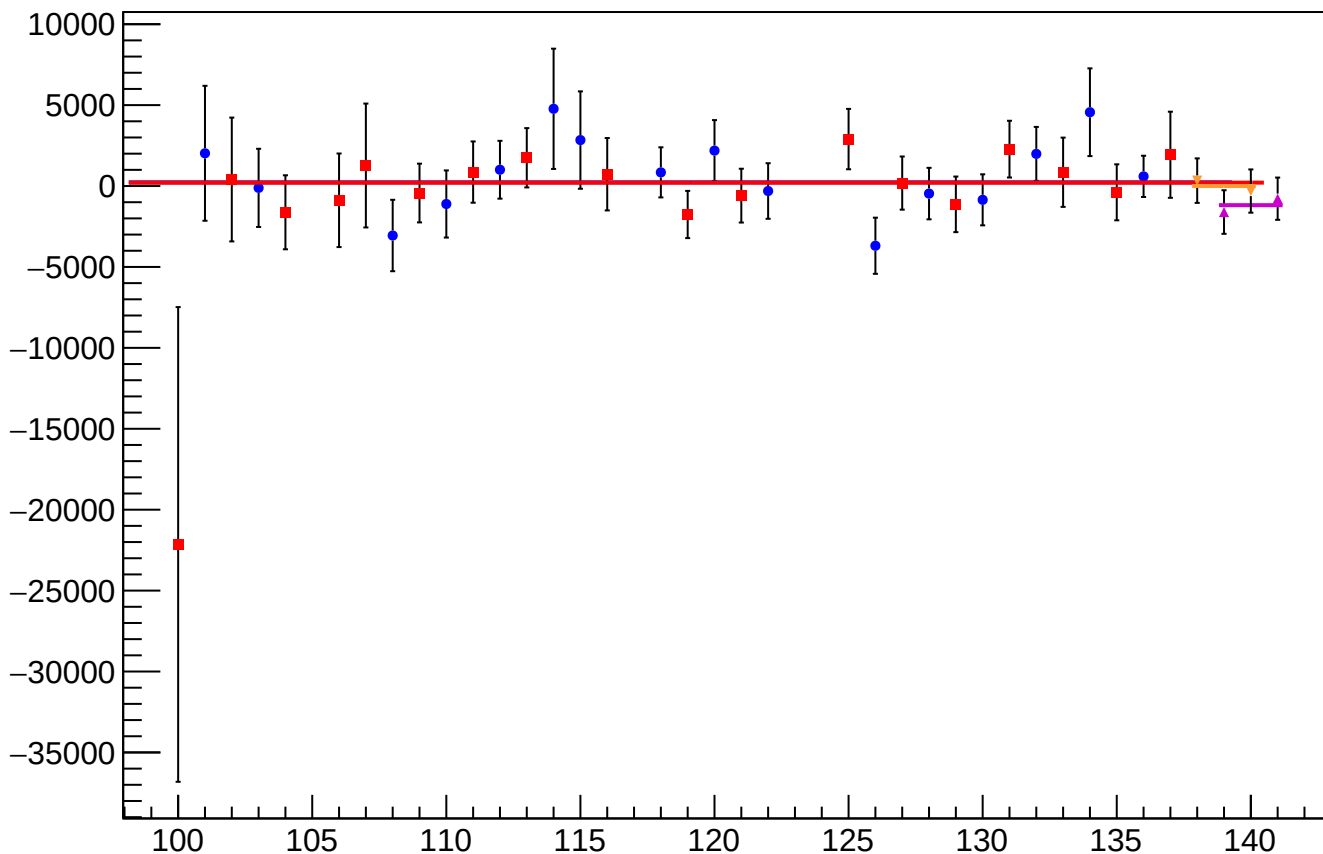
Right Out: 392.817+/-0.112 χ^2/NDF : 2203462.7/17

All: 402.136+/-0.072 χ^2/NDF : 4209373.3/37

- sign 400.631+/-0.101 χ^2/NDF : 2276061.1/19

Left In: 435.150+/-0.236 χ^2/NDF : 46372.8/1

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF : 16.1/15

Left Out: 2.654+/-958.366 χ^2/NDF : 0.1/1

Right Out: 209.751+/-477.820 χ^2/NDF : 11.0/17

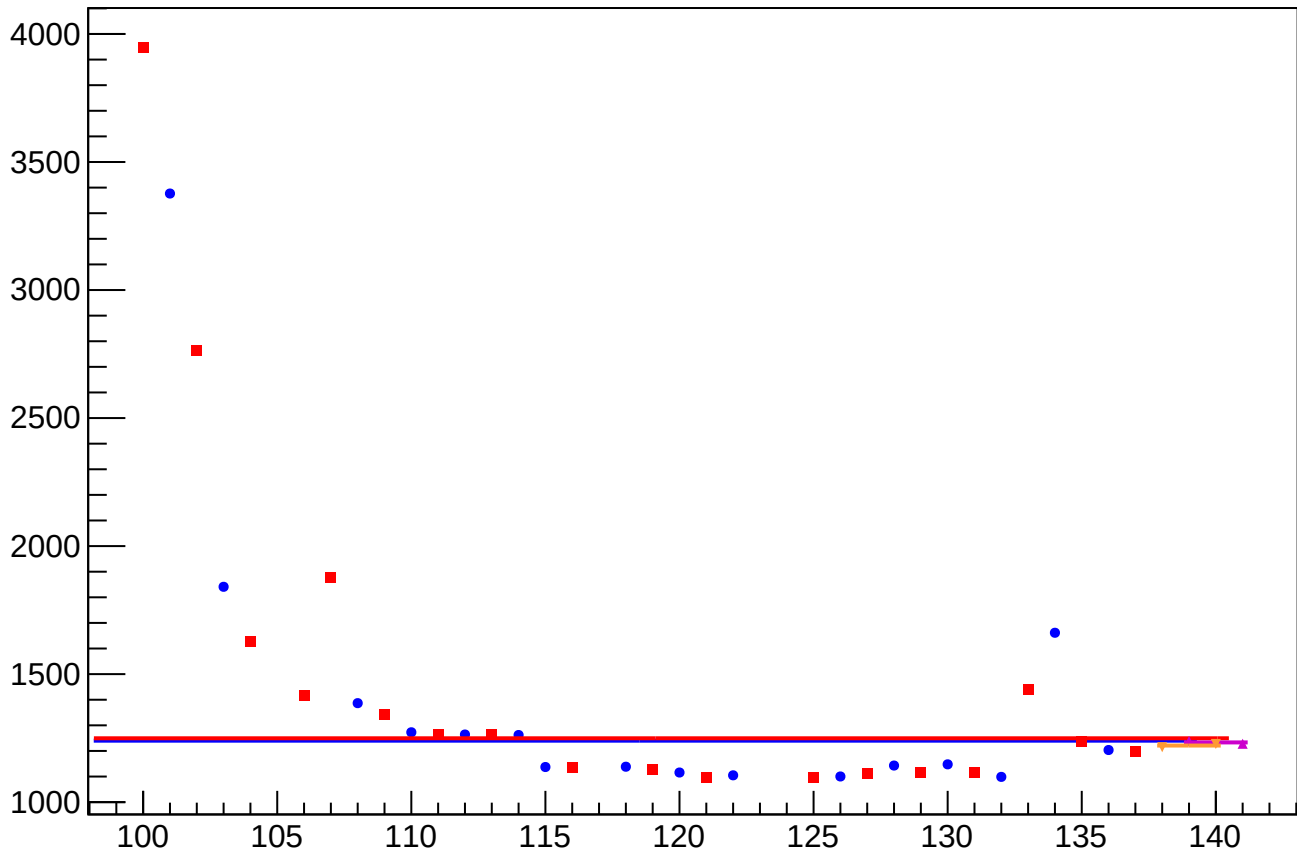
Left In: -1181.681+/-937.373 χ^2/NDF : 0.2/1

+ sign 181.070+/-425.276 χ^2/NDF : 16.3/17

All: 52.050+/-300.866 χ^2/NDF : 29.4/37

- sign -77.228+/-425.703 χ^2/NDF : 12.9/19

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF : 782679.7/15

Left Out: 1221.093+/-0.678 χ^2/NDF : 88.0/1

Right Out: 1249.410+/-0.338 χ^2/NDF : 606099.2/17

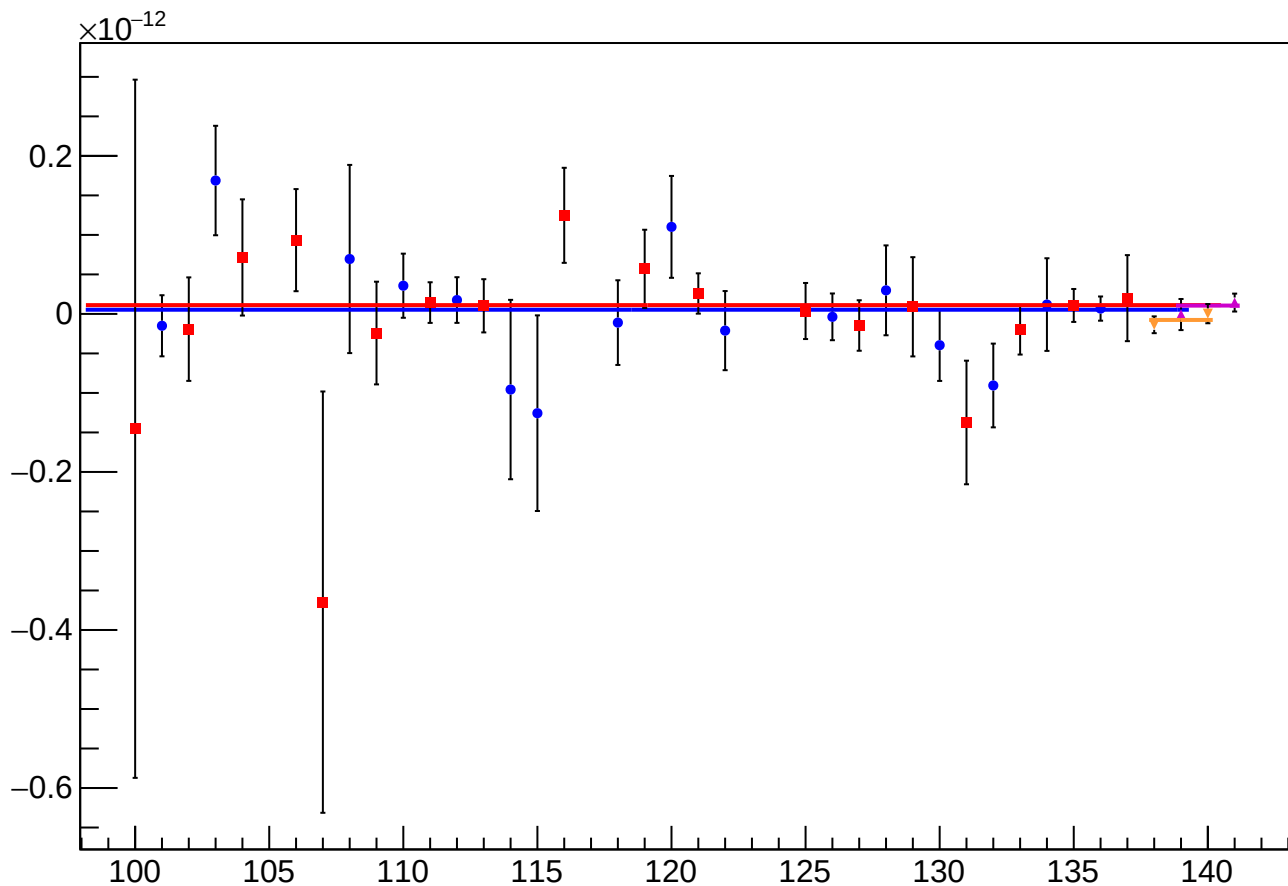
Left In: 1233.296+/-0.663 χ^2/NDF : 66.3/1

+ sign 1236.389+/-0.301 χ^2/NDF : 783402.1/17

All: 1241.233+/-0.213 χ^2/NDF : 1390556.2/37

- sign 1246.087+/-0.301 χ^2/NDF : 606634.6/19

asym_us_dd_atlr_dd_dd_reg_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:0.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/17

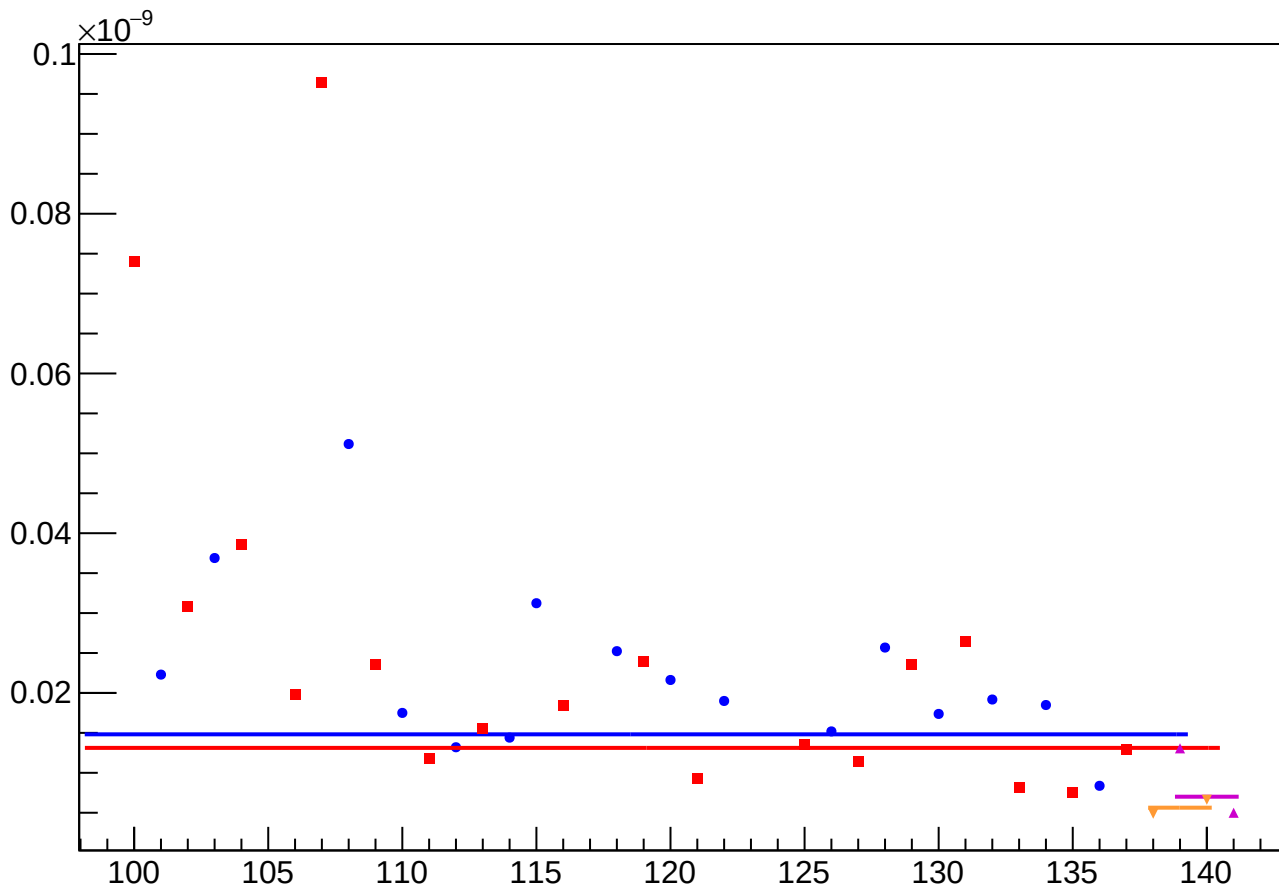
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.8/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/19

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 23500.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1181949.6/17

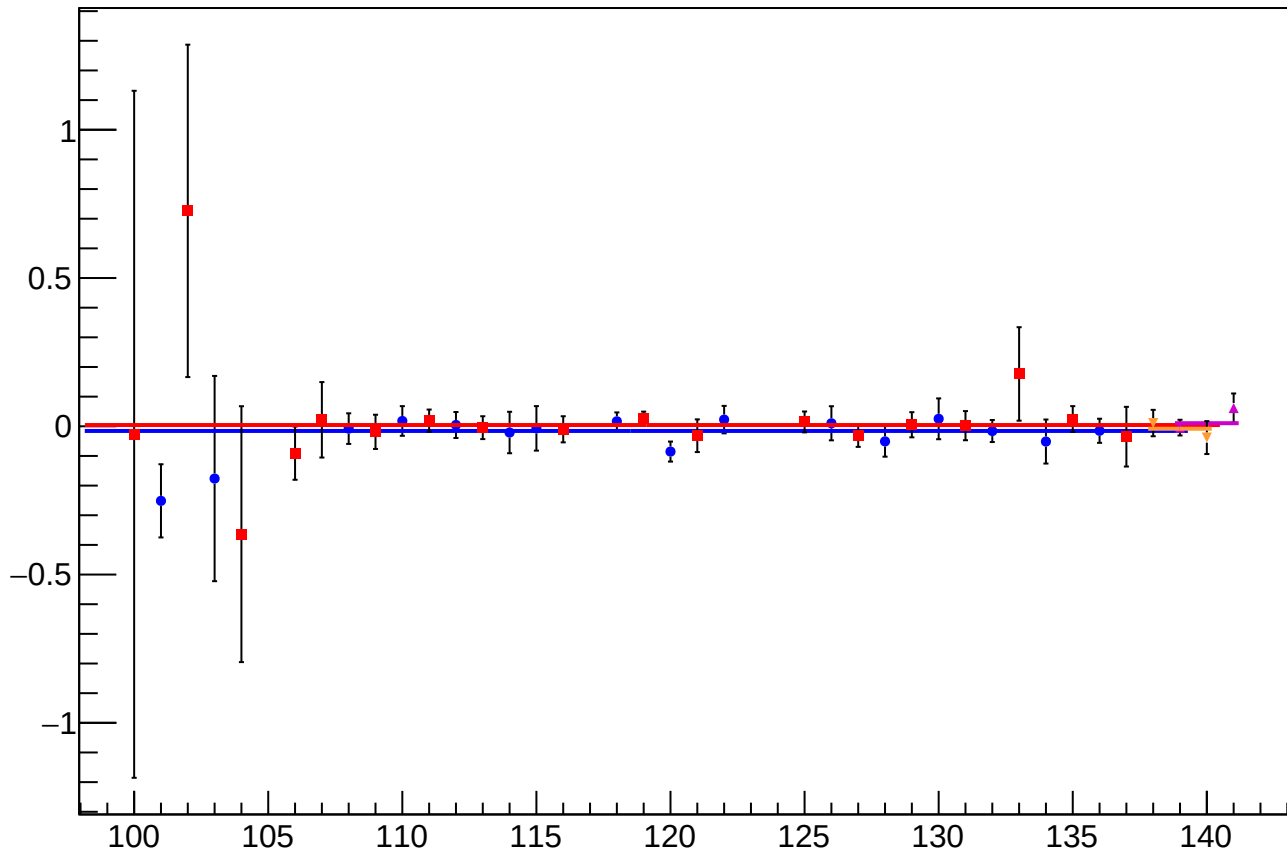
Left In: 0.000+/-0.000 χ^2/NDF : 252163.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2177330.8/17

All: 0.000+/-0.000 χ^2/NDF : 4033103.7/37

- sign 0.000+/-0.000 χ^2/NDF : 1839404.1/19

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

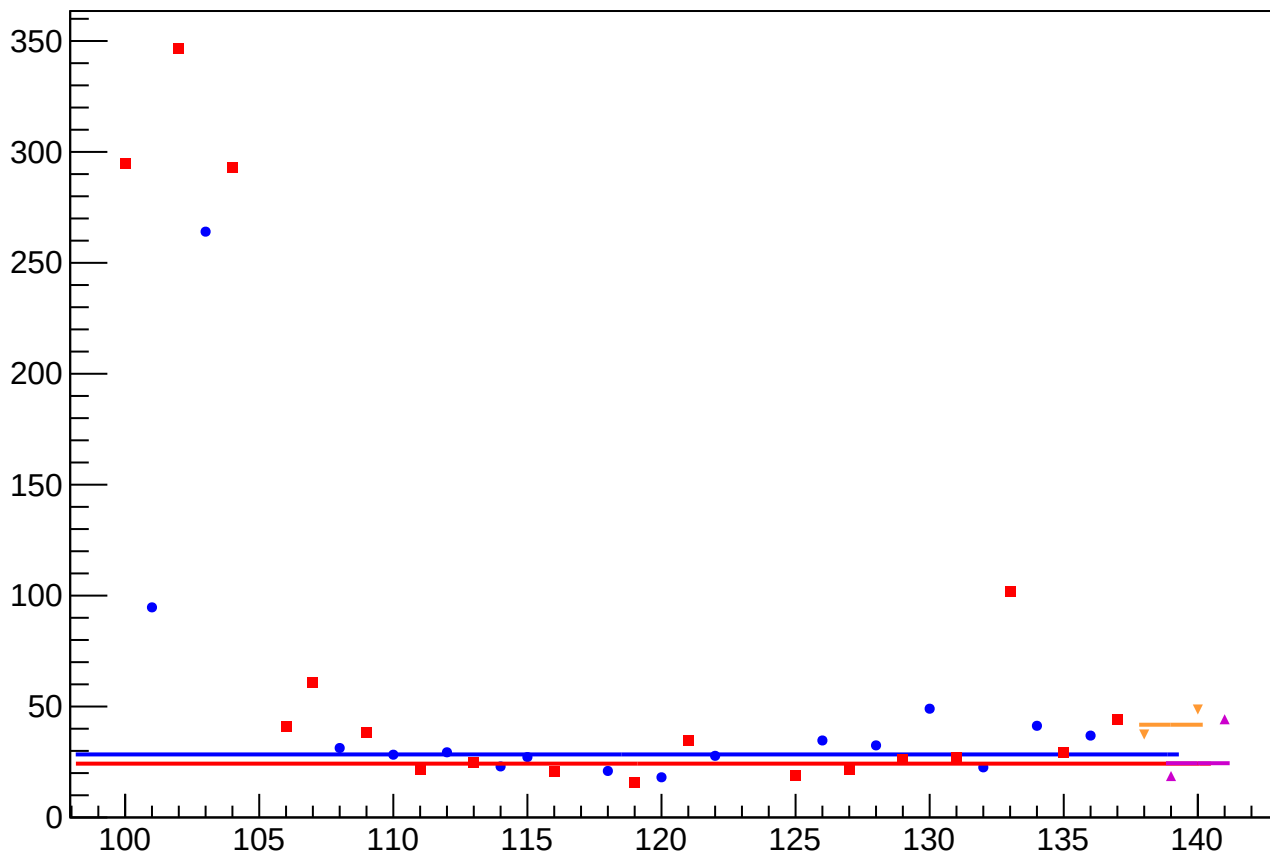
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.003 ± 0.008 χ^2/NDF : 23.4/37

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 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

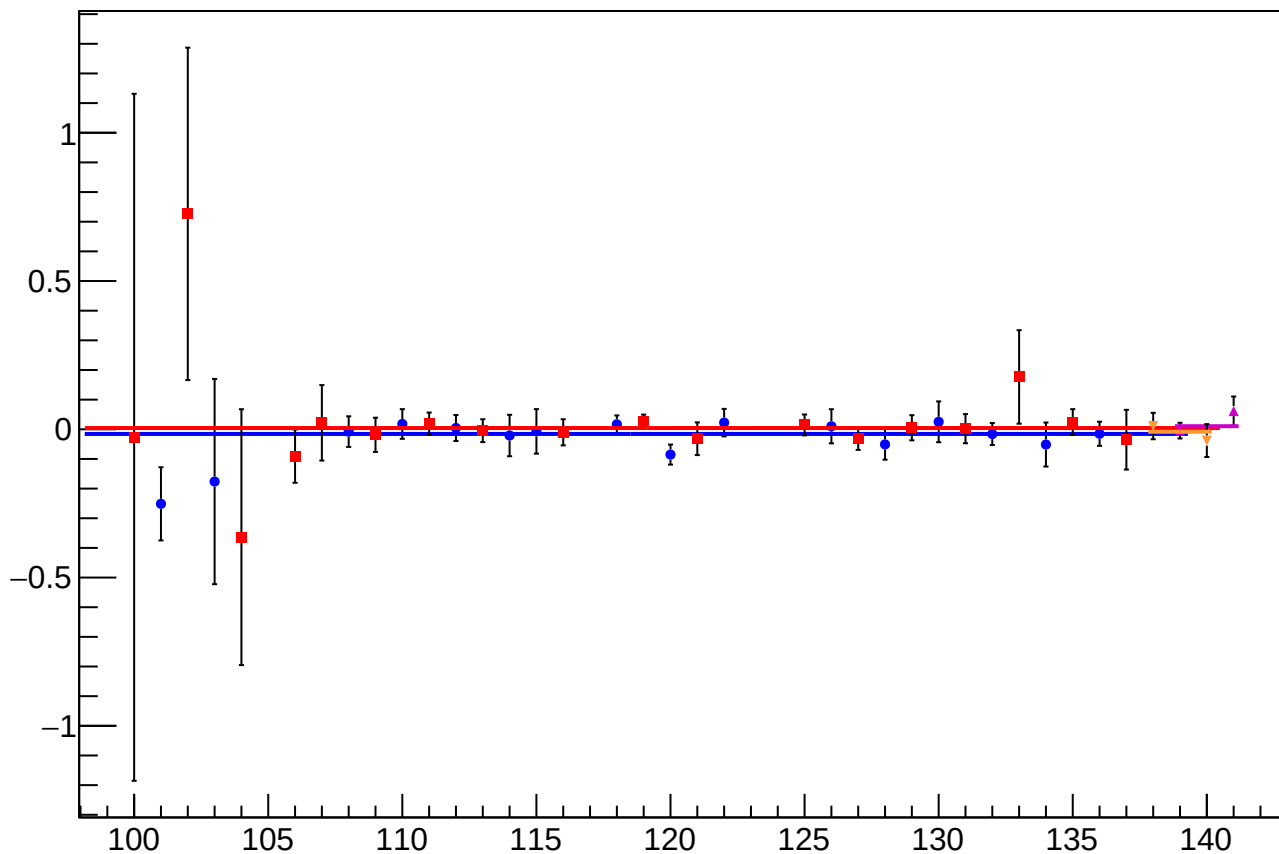
Left In: 24.451 $\pm$ 0.016 χ^2 /NDF: 421301.8/1

+ sign 29.906 $\pm$ 0.008 χ^2 /NDF: 2560078.6/17

All: 26.759 $\pm$ 0.005 χ^2 /NDF: 6157467.4/37

- sign 24.293 $\pm$ 0.007 χ^2 /NDF: 3334884.2/19

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

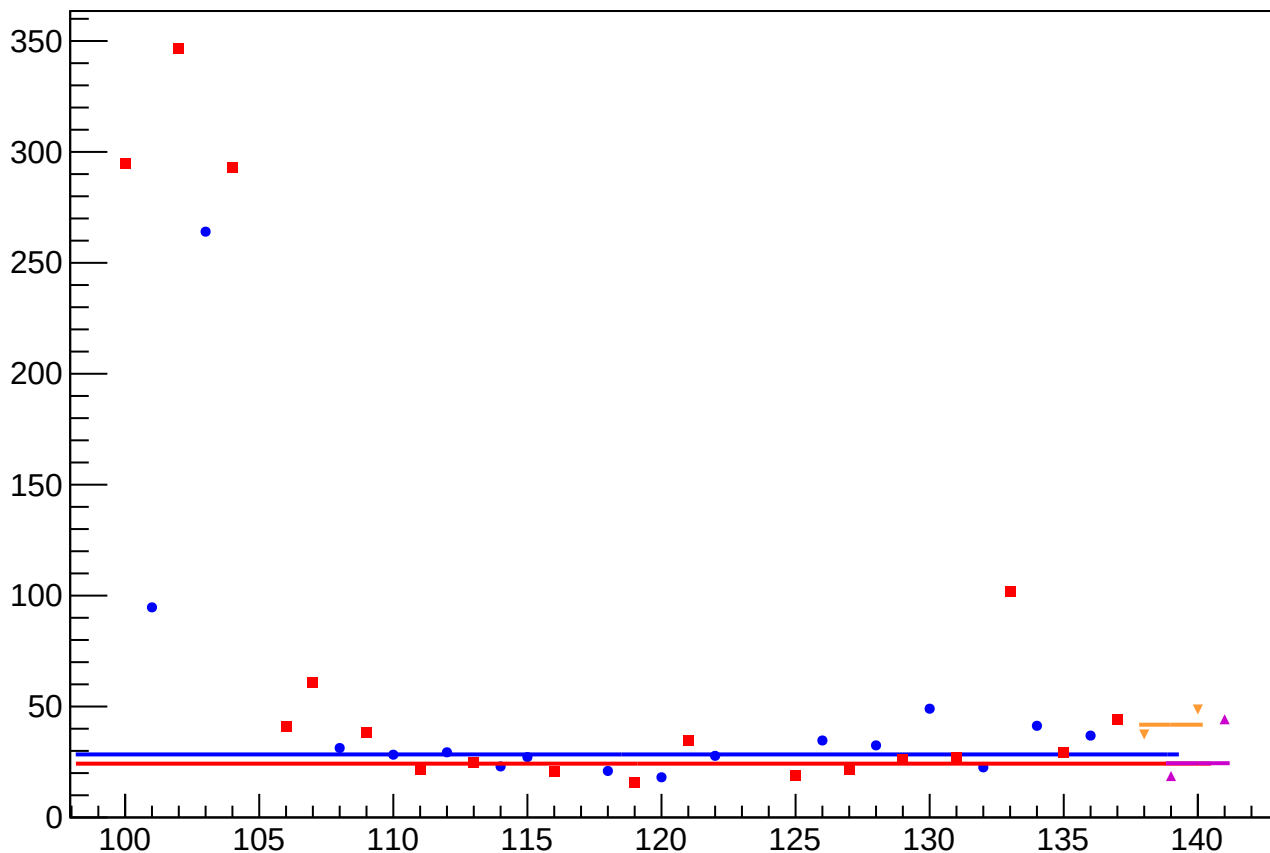
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.003 ± 0.008 χ^2/NDF : 23.4/37

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

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

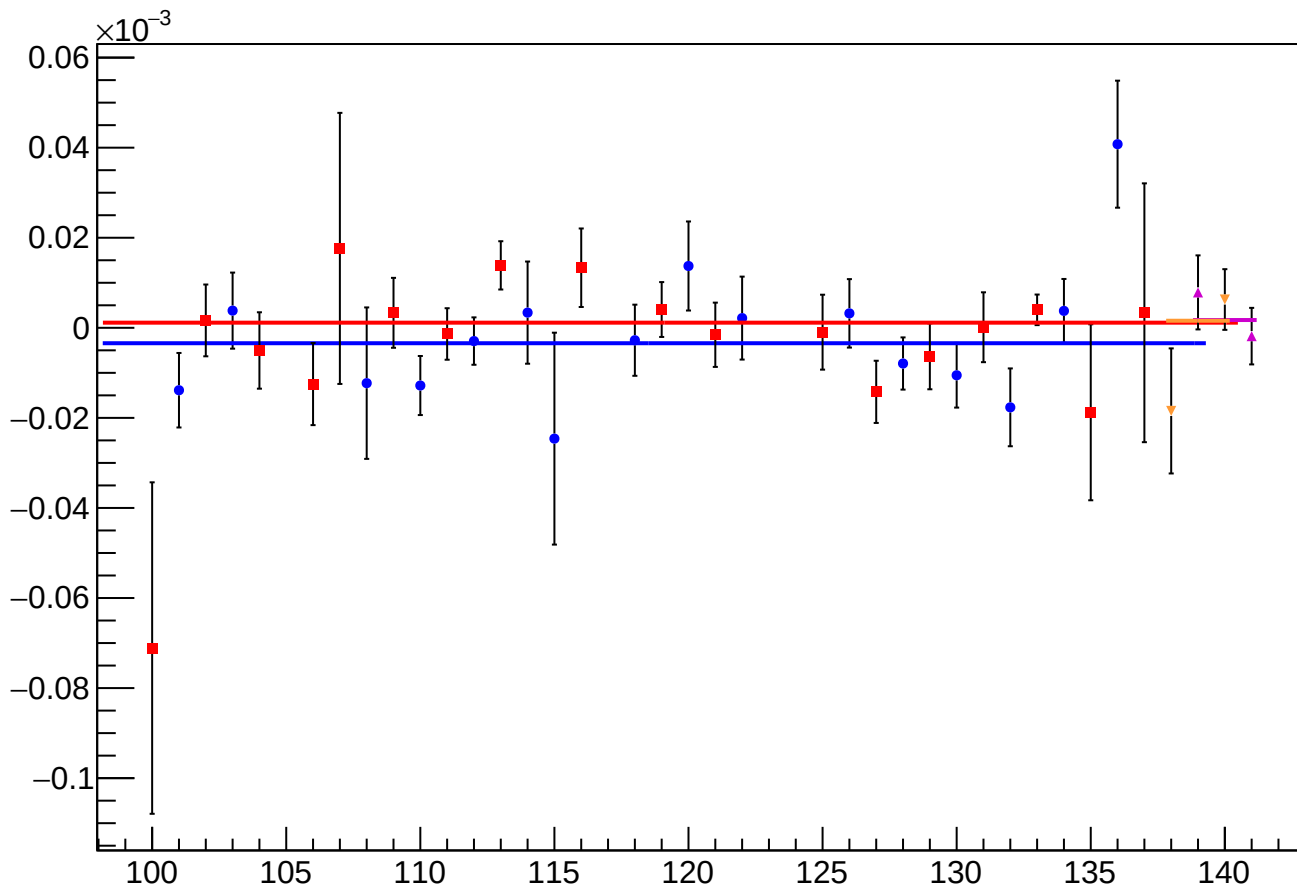
Left In: 24.451+/-0.016 χ^2/NDF : 421301.8/1

+ sign 29.906+/-0.008 χ^2/NDF : 2560078.6/17

All: 26.759+/-0.005 χ^2/NDF : 6157467.4/37

- sign 24.293+/-0.007 χ^2/NDF : 3334884.2/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

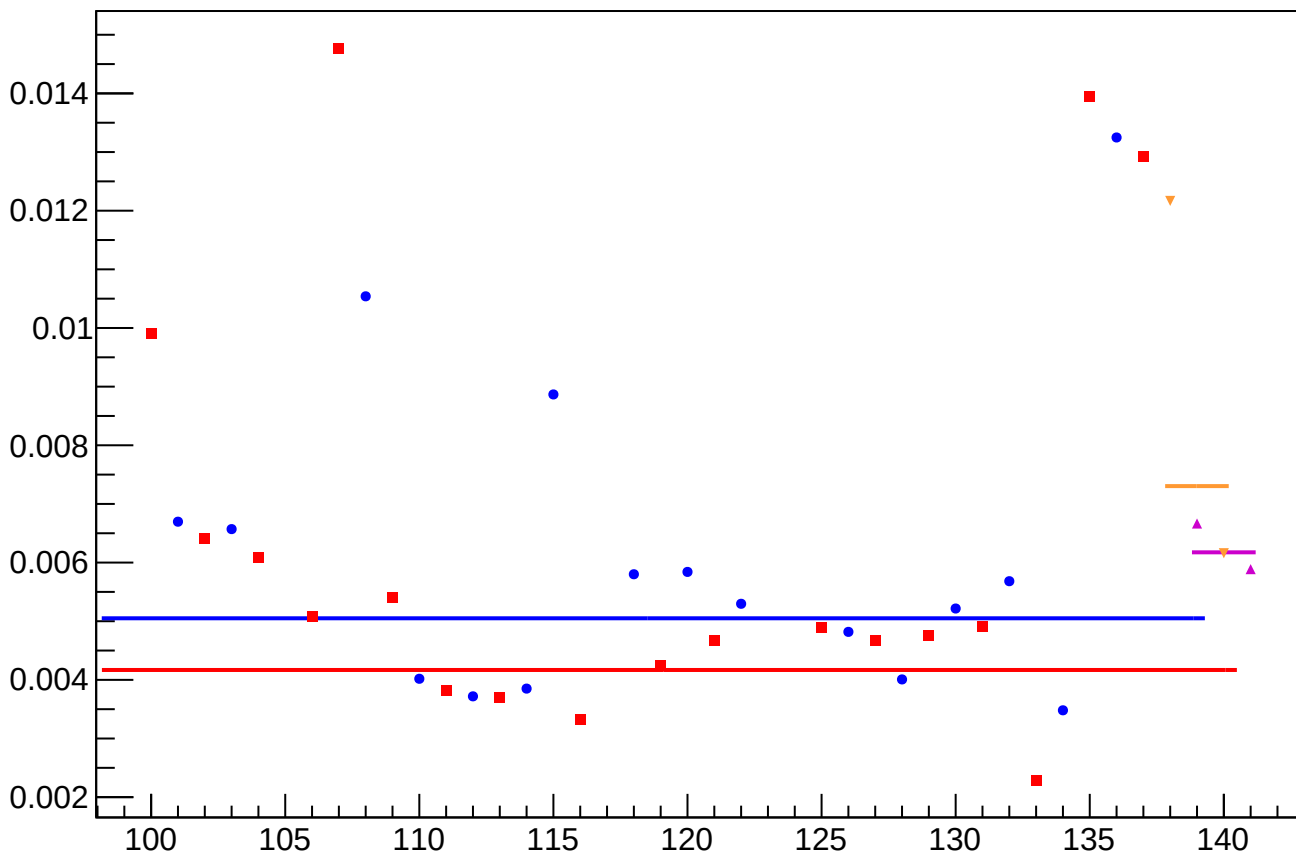
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.3/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/37

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/19

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

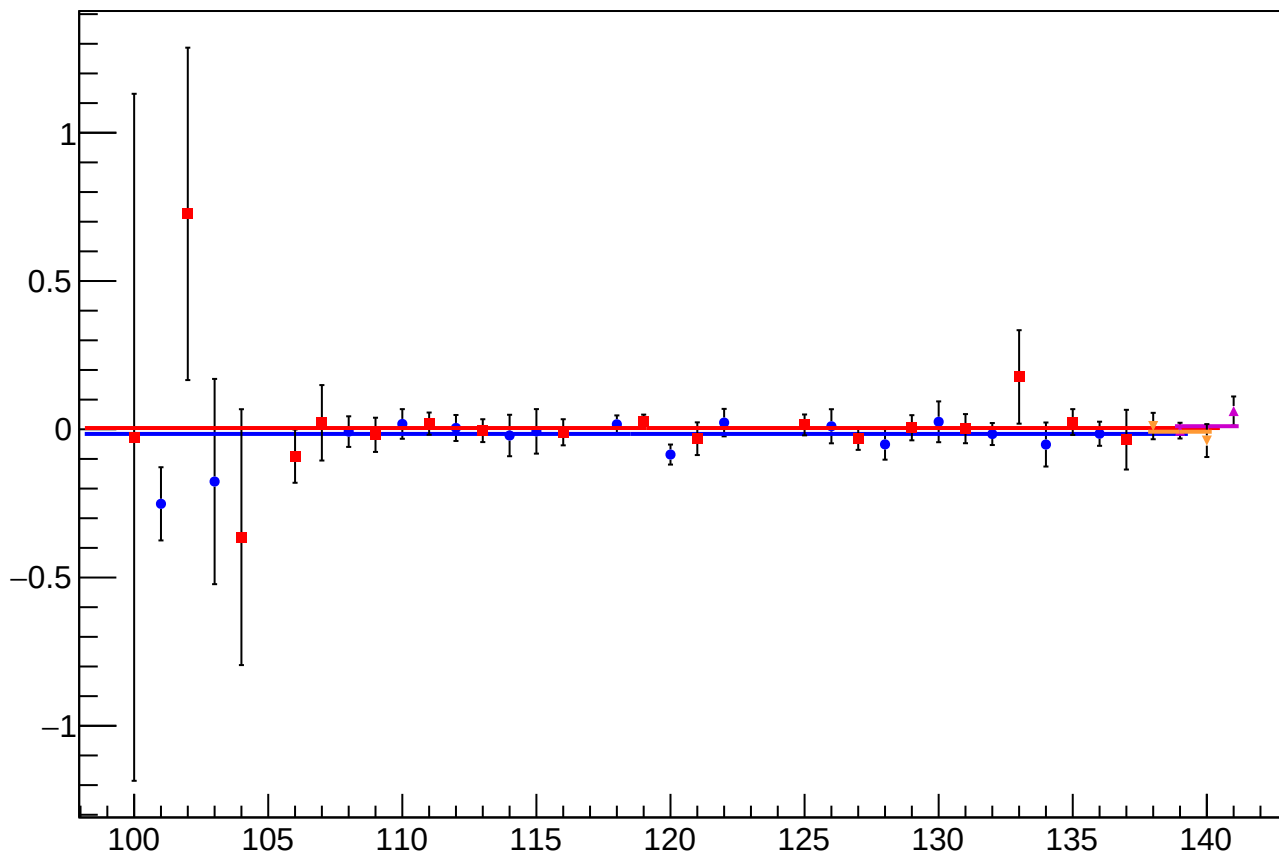
Left In: 0.006+/-0.000 χ^2/NDF :11314.8/1

+ sign 0.005+/-0.000 χ^2/NDF : 2045999.1/17

All: 0.005+/-0.000 χ^2/NDF : 4646818.1/37

- sign 0.004+/-0.000 χ^2/NDF : 2342972.0/19

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

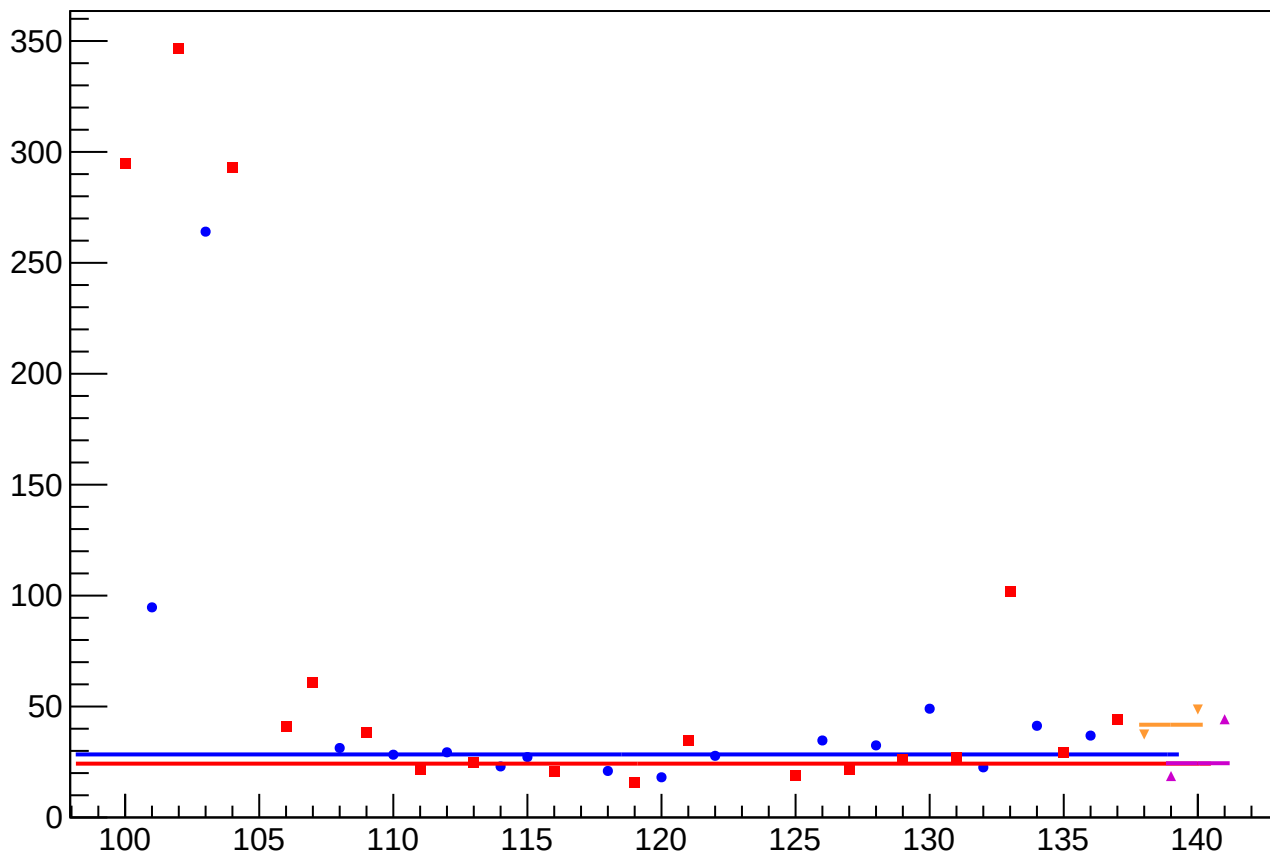
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.003 ± 0.008 χ^2/NDF : 23.4/37

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

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

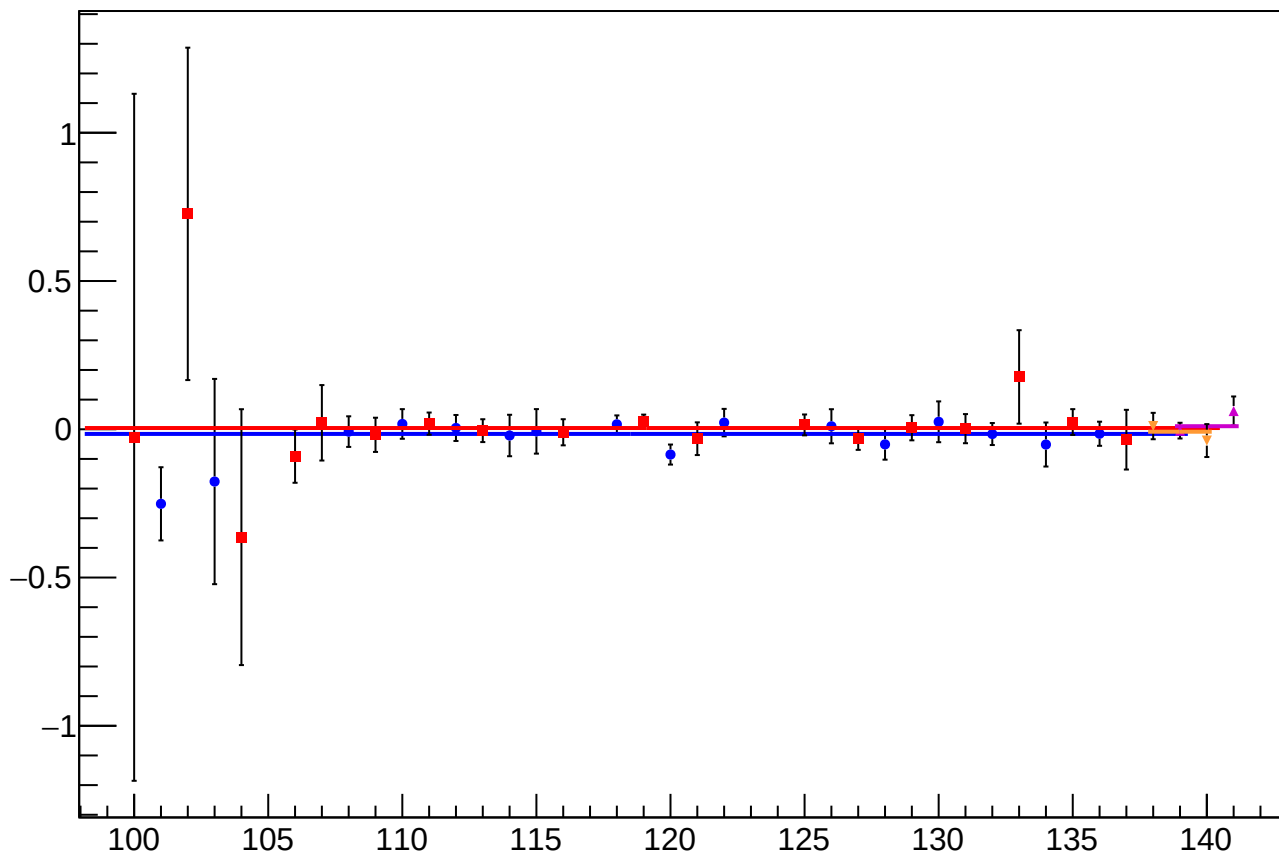
Left In: 24.448+/-0.016 χ^2/NDF : 421484.4/1

+ sign 29.906+/-0.008 χ^2/NDF : 2560170.0/17

All: 26.758+/-0.005 χ^2/NDF : 6158155.9/37

- sign 24.292+/-0.007 χ^2/NDF : 3335306.5/19

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

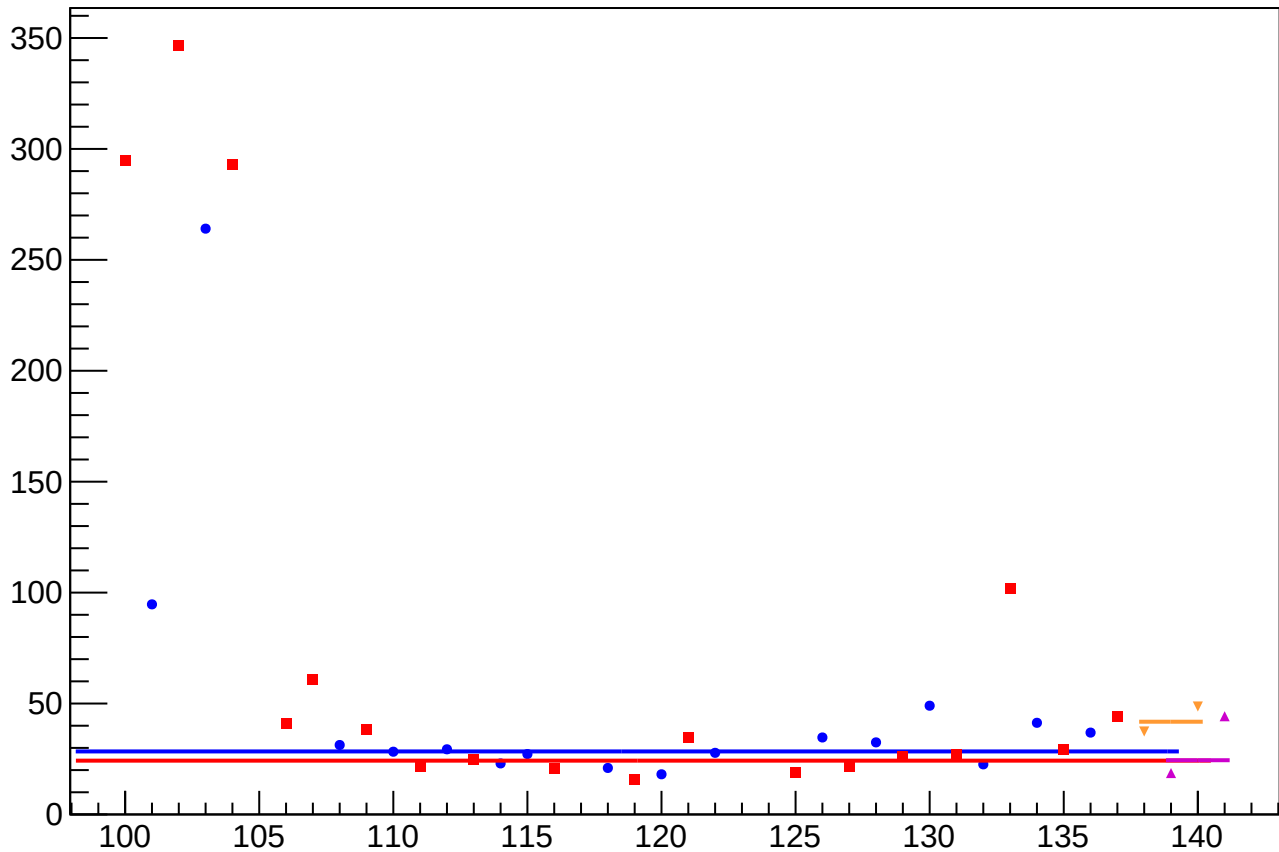
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.015 ± 0.012 χ^2/NDF : 12.4/17

All: -0.003 ± 0.008 χ^2/NDF : 23.4/37

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 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

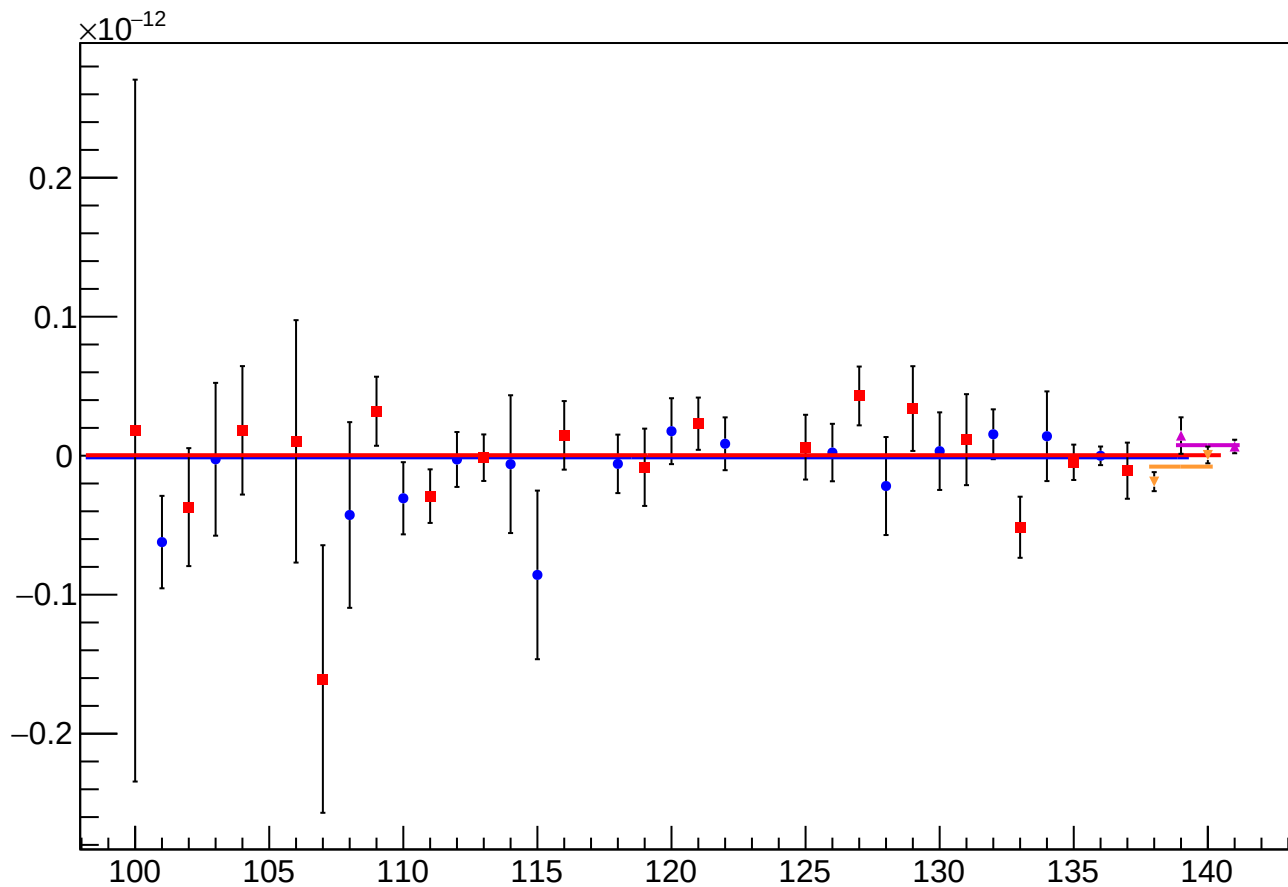
Left In: 24.448 $\pm$ 0.016 χ^2 /NDF: 421484.4/1

+ sign 29.906 $\pm$ 0.008 χ^2 /NDF: 2560170.0/17

All: 26.758 $\pm$ 0.005 χ^2 /NDF: 6158155.9/37

- sign 24.292 $\pm$ 0.007 χ^2 /NDF: 3335306.5/19

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF : 4.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 21.1/17

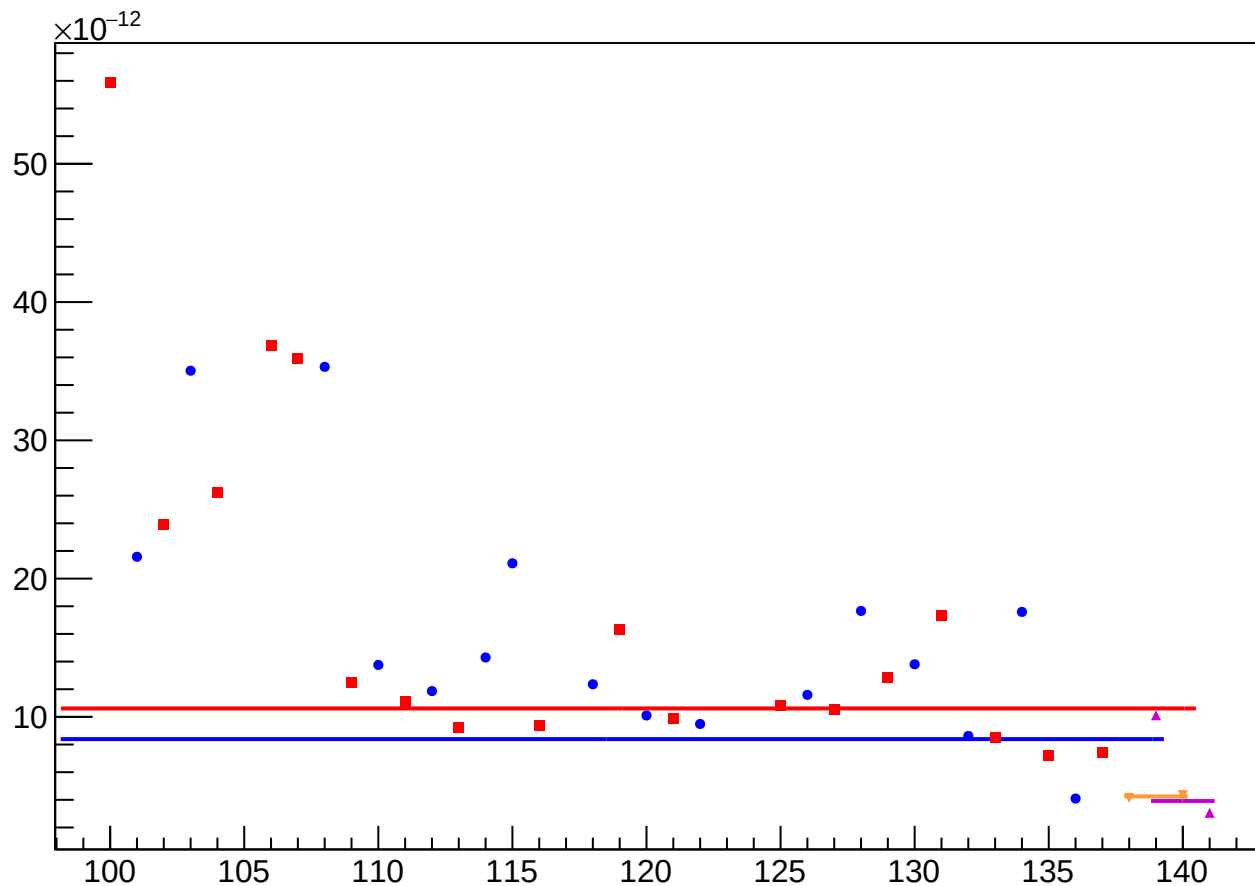
Left In: 0.000+/-0.000 χ^2/NDF : 0.3/1

+ sign -0.000+/-0.000 χ^2/NDF : 14.9/17

All: -0.000+/-0.000 χ^2/NDF : 41.1/37

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

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

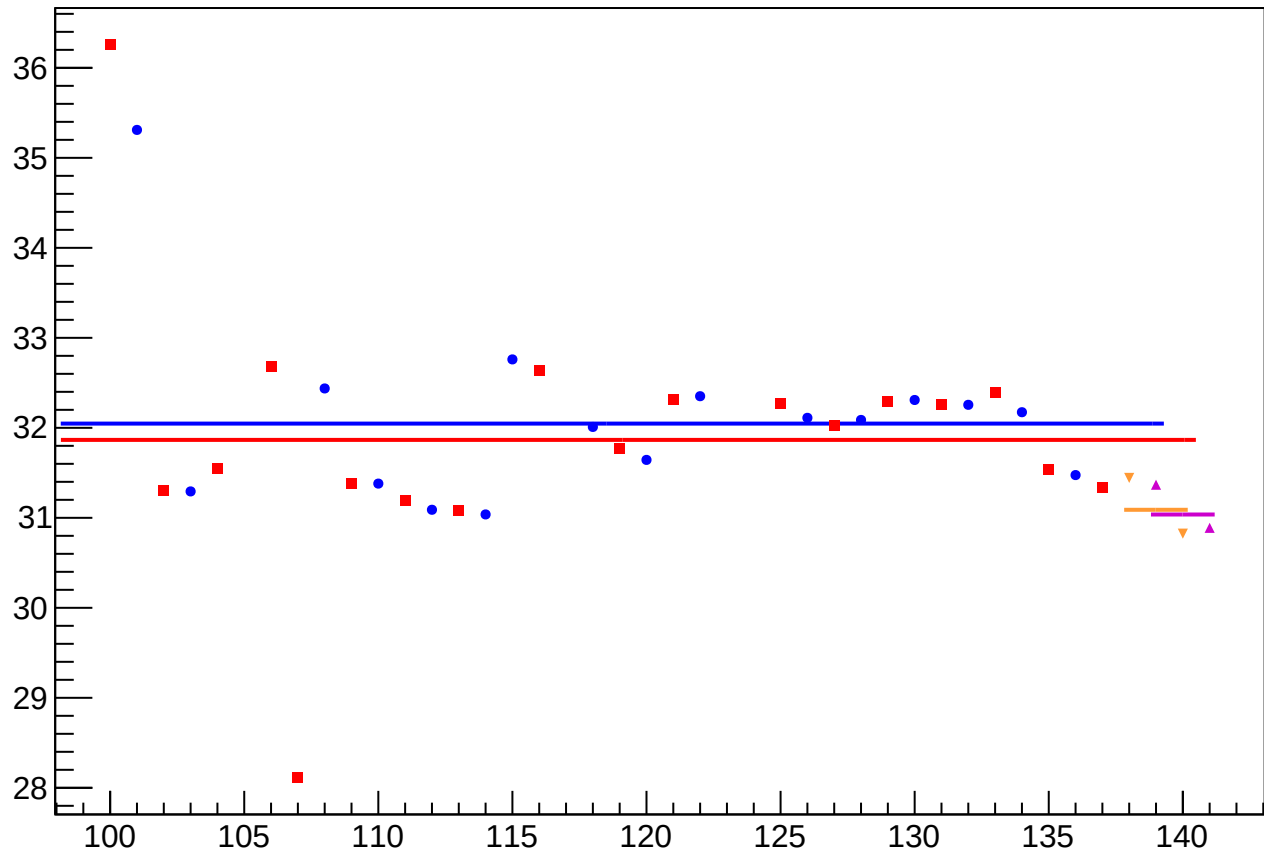
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 507331.2/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3504955.8/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6969326.0/37

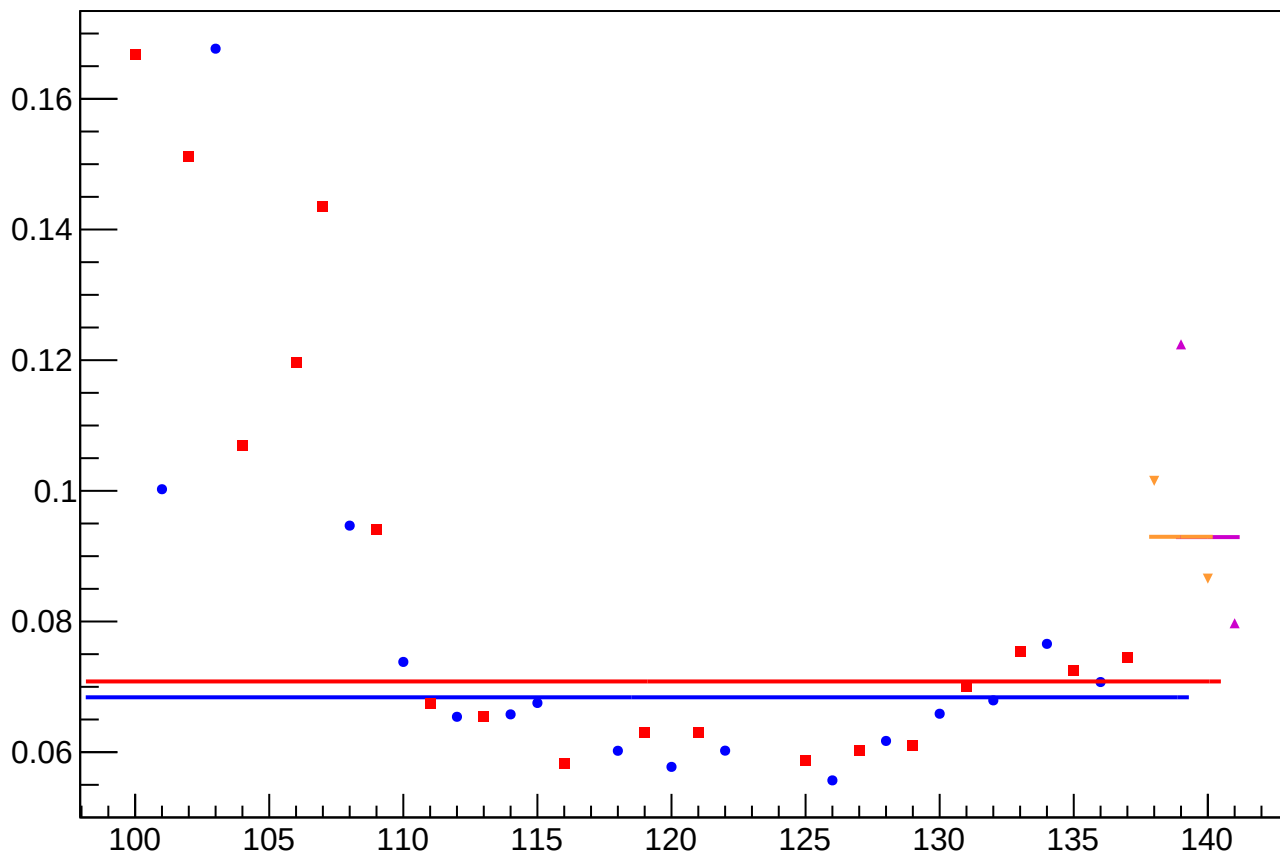
- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3452441.0/19

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF : 898593424.6/15
 Left Out: 31.089+/-0.000 χ^2/NDF :15417834.3/1
 Right Out: 31.866+/-0.000 χ^2/NDF : 485941075.6/17
 Left In: 31.037+/-0.000 χ^2/NDF :8330094.3/1
 + sign 31.942+/-0.000 χ^2/NDF : 1048146718.5/17
 All: 31.857+/-0.000 χ^2/NDF : 1667816806.4/3
 - sign 31.766+/-0.000 χ^2/NDF : 597047819.0/19

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

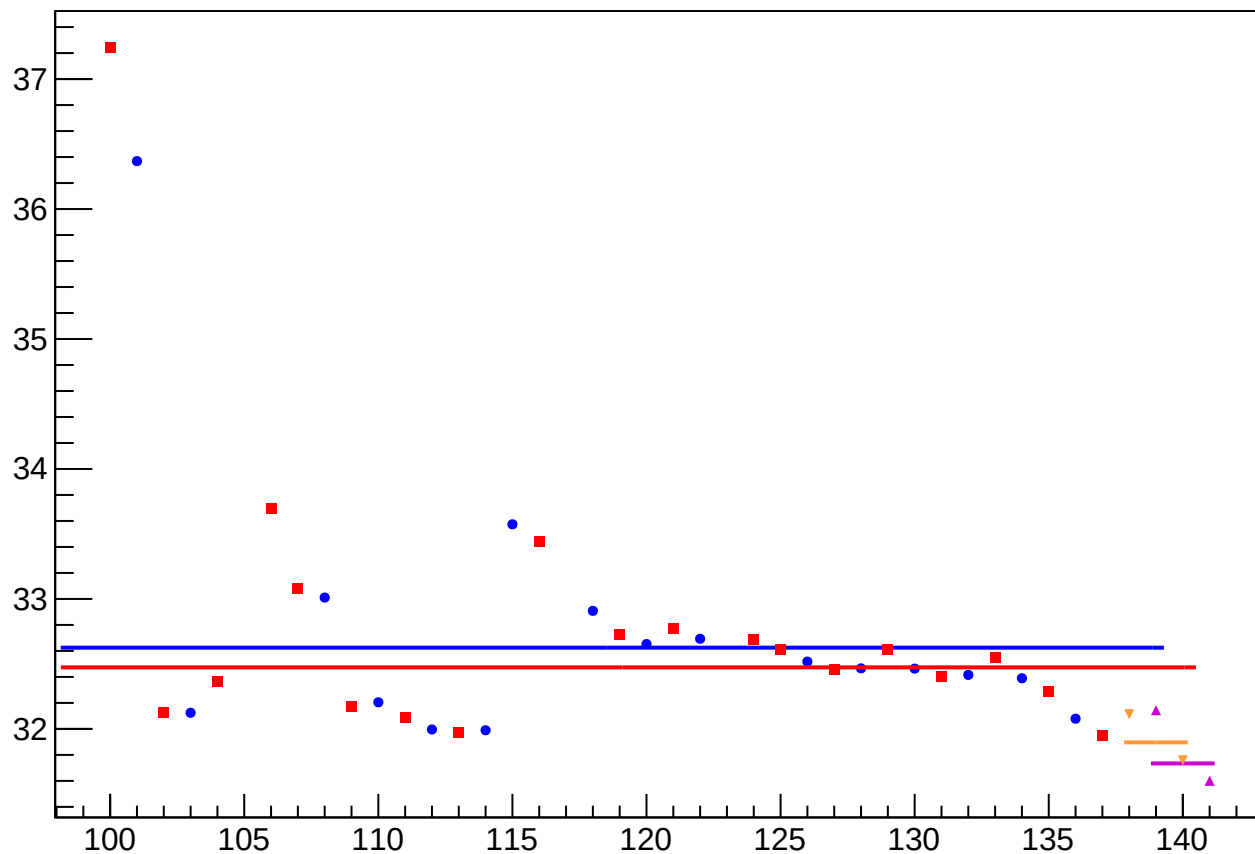
Left In: 0.093 $\pm$ 0.000 χ^2 /NDF:132308.1/1

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 897712.8/17

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 2052672.7/37

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 1146556.4/19

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF : 739141163.5/15

Left Out: 31.896+/-0.000 χ^2/NDF : 5457937.0/1

Right Out: 32.474+/-0.000 χ^2/NDF : 156801553.7/18

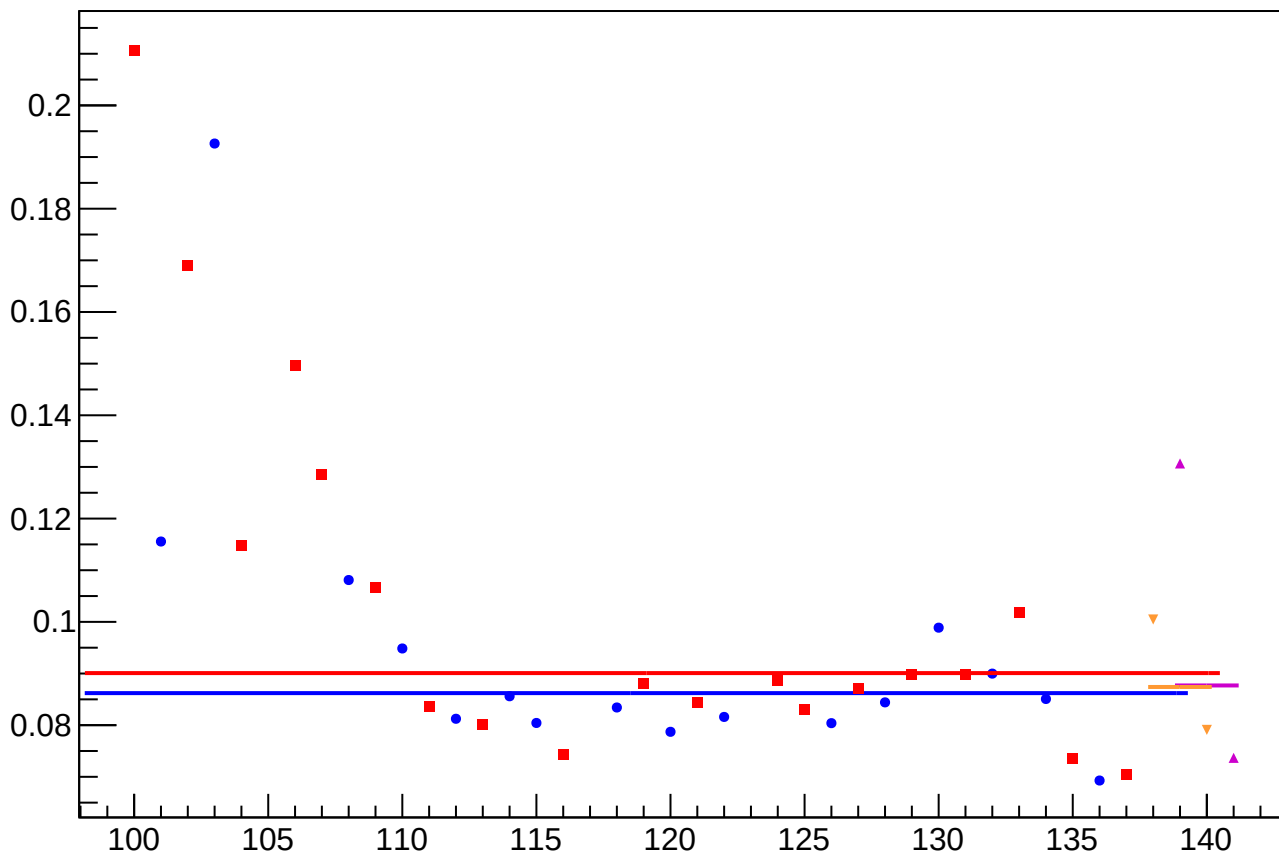
Left In: 31.734+/-0.000 χ^2/NDF : 10637073.9/1

+ sign 32.496+/-0.000 χ^2/NDF : 824177496.0/17

All: 32.413+/-0.000 χ^2/NDF : 1091139084.0/3

- sign 32.328+/-0.000 χ^2/NDF : 252810444.7/20

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

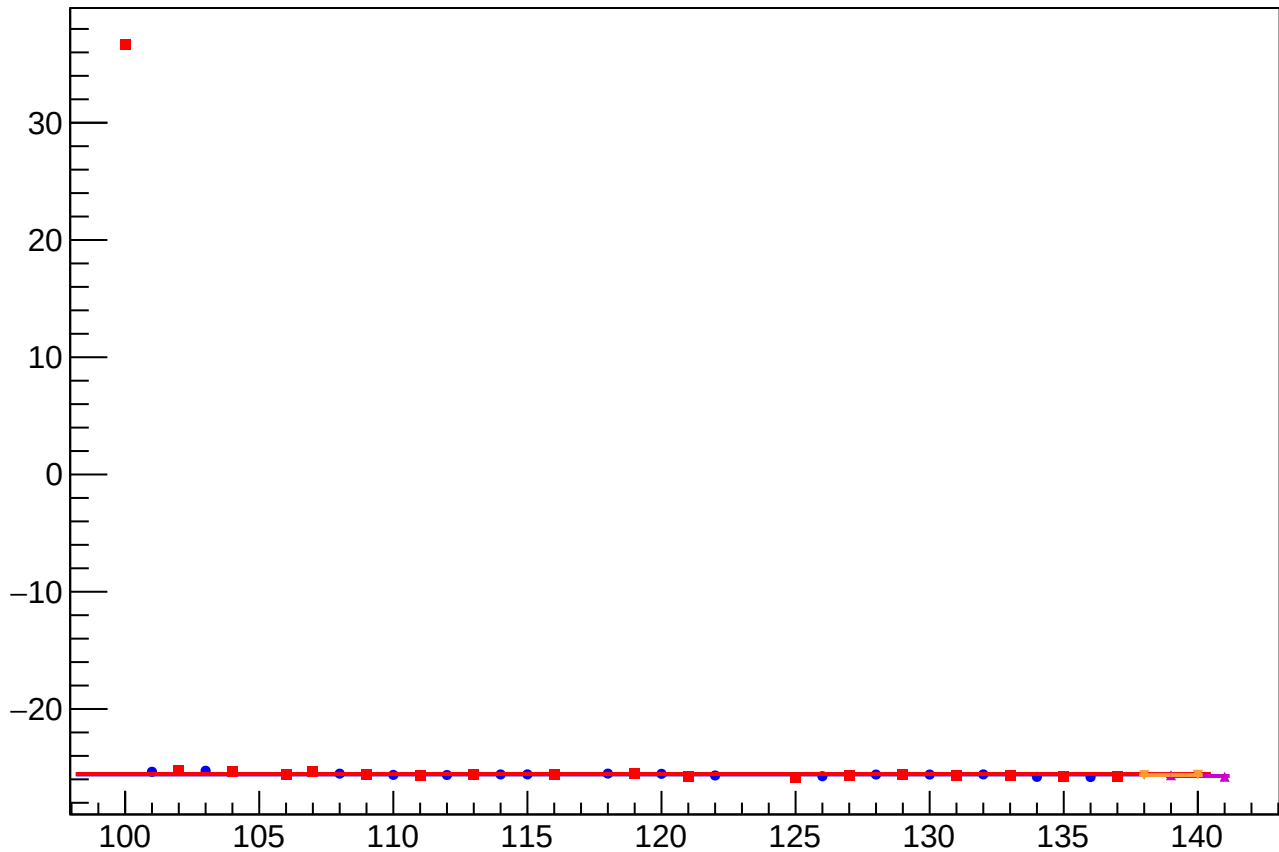
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:234371.3/1

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 638697.5/17

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1506995.1/38

- sign 0.090 $\pm$ 0.000 χ^2 /NDF: 858010.3/20

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

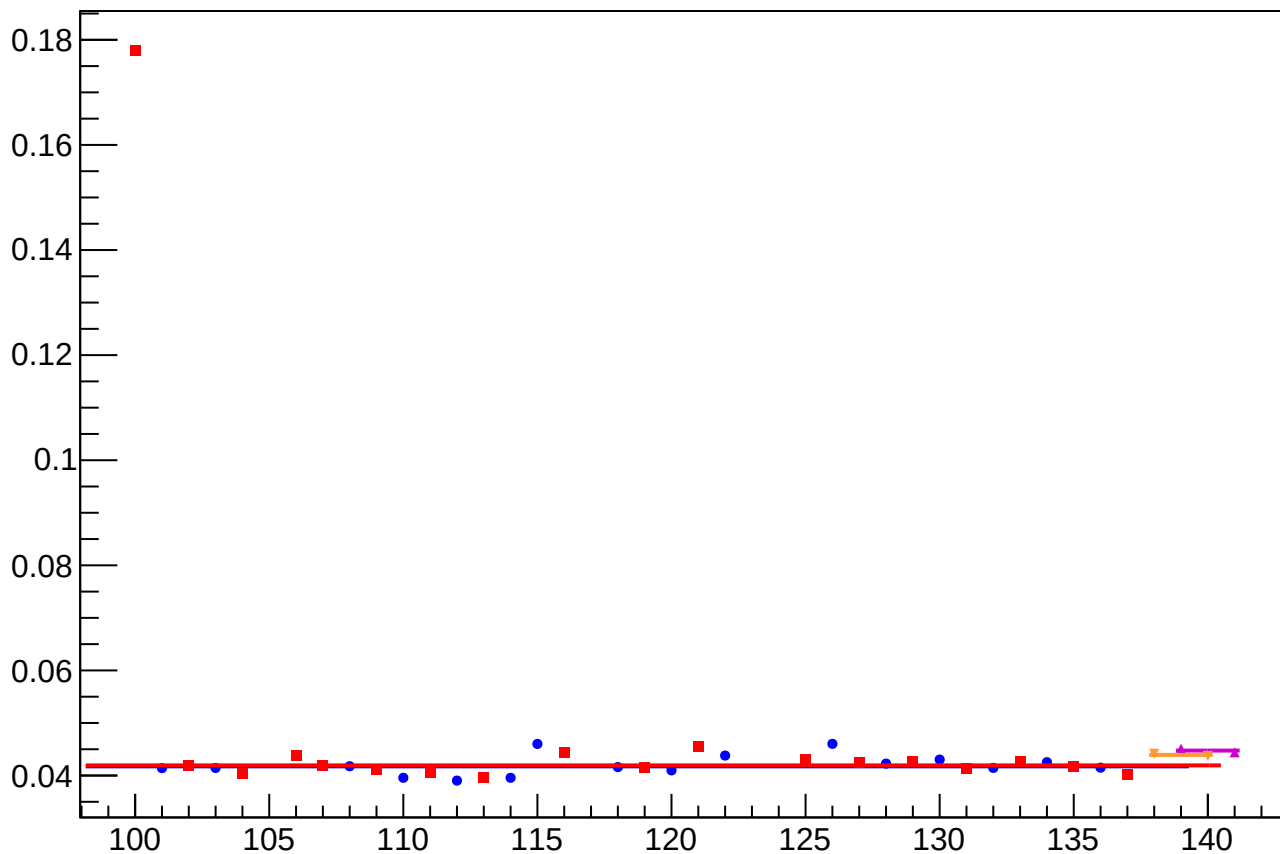
Left In: -25.713+/-0.000 χ^2/NDF : 3534861.2/1

+ sign -25.587+/-0.000 χ^2/NDF : 100063259.4/17

All: -25.580+/-0.000 χ^2/NDF : 9031729622.3/19

- sign -25.573+/-0.000 χ^2/NDF : 8931176107.6/19

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF : 68.6/1

Right Out: 0.042+/-0.000 χ^2/NDF : 100140.4/17

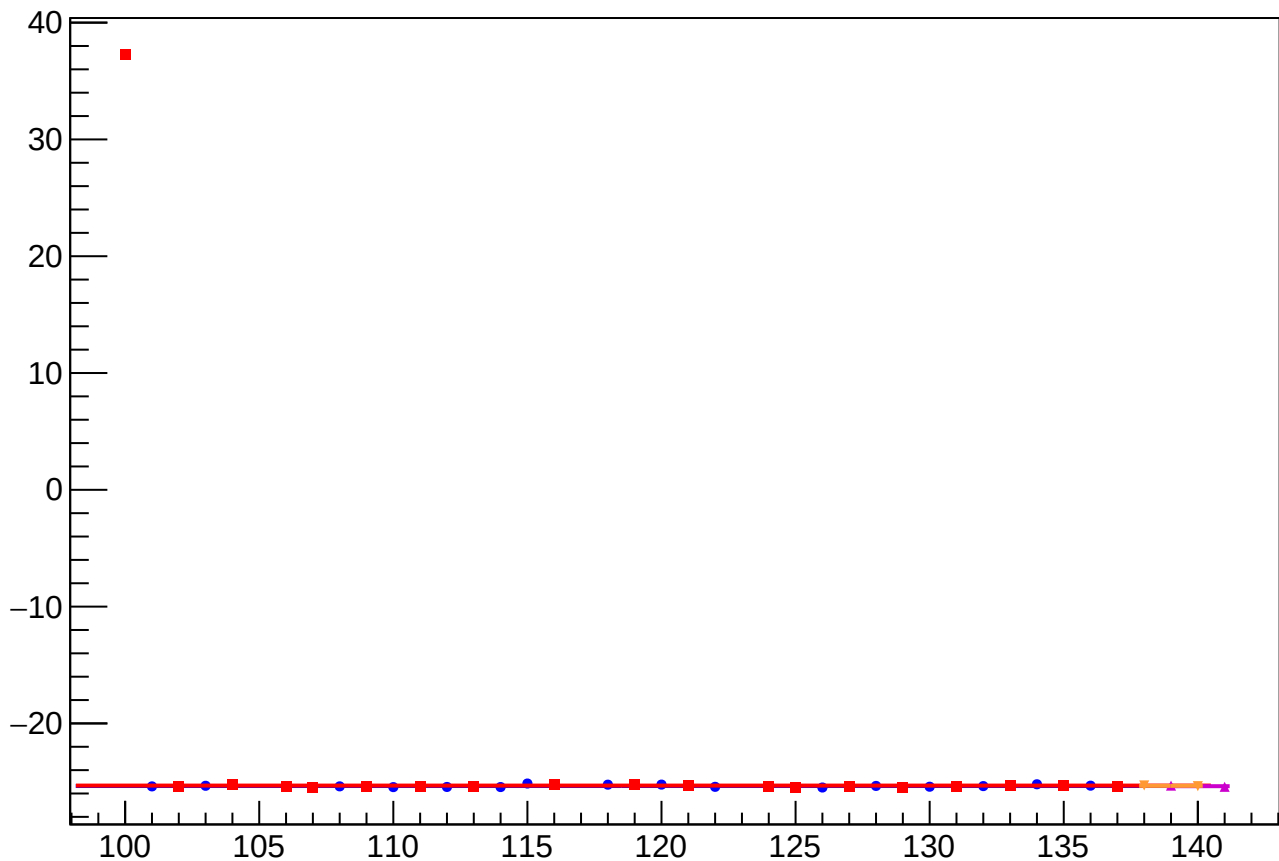
Left In: 0.045+/-0.000 χ^2/NDF : 198.8/1

+ sign 0.042+/-0.000 χ^2/NDF : 27356.2/17

All: 0.042+/-0.000 χ^2/NDF : 139349.8/37

- sign 0.042+/-0.000 χ^2/NDF : 111556.9/19

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 $\chi^2/\text{NDF}: 6314907036.5/18$

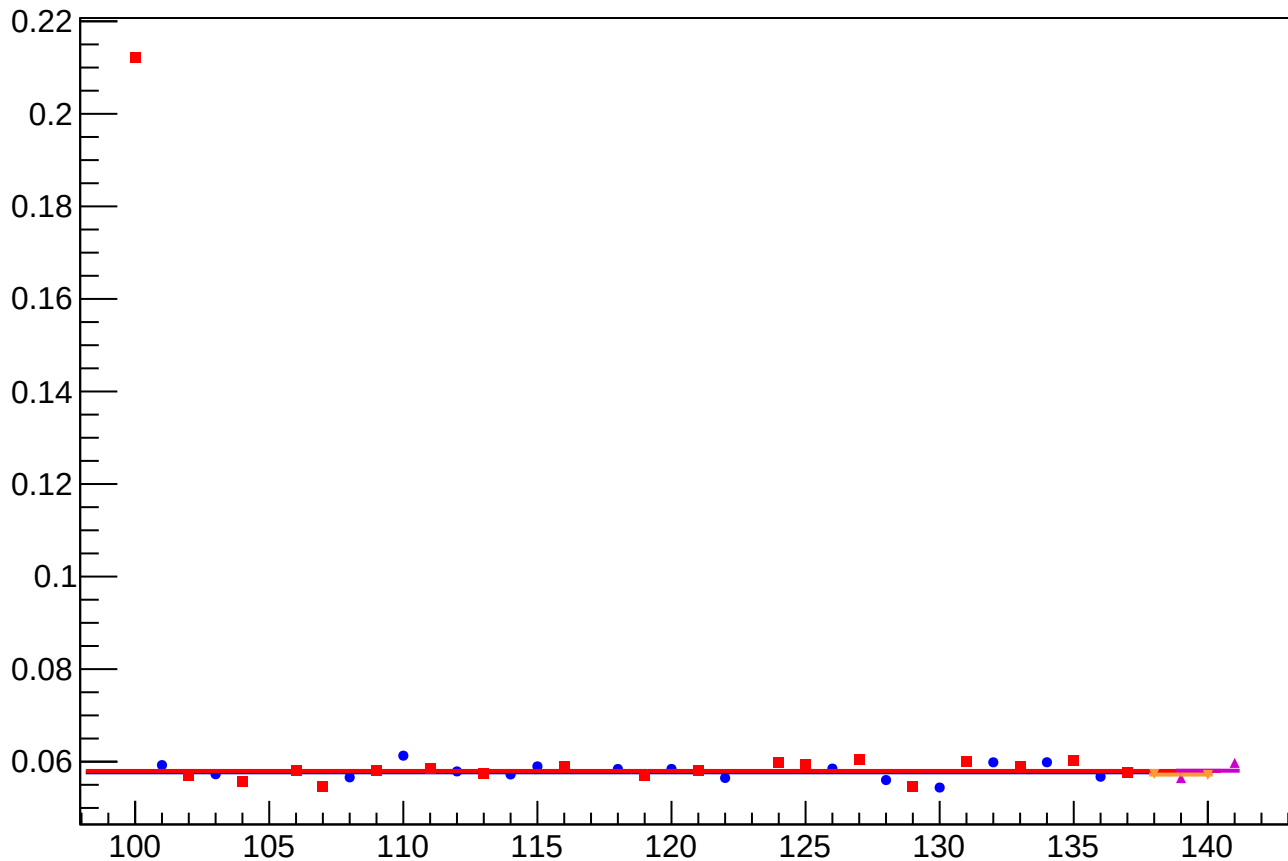
Left In: -25.374 ± 0.000 $\chi^2/\text{NDF}: 1260403.8/1$

+ sign -25.357 ± 0.000 $\chi^2/\text{NDF}: 13878918.0/17$

All: -25.344 ± 0.000 $\chi^2/\text{NDF}: 6331978156.2/20$

- sign -25.332 ± 0.000 $\chi^2/\text{NDF}: 6317251024.2/20$

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF : 9.7/1

Right Out: 0.058+/-0.000 χ^2/NDF : 88682.9/18

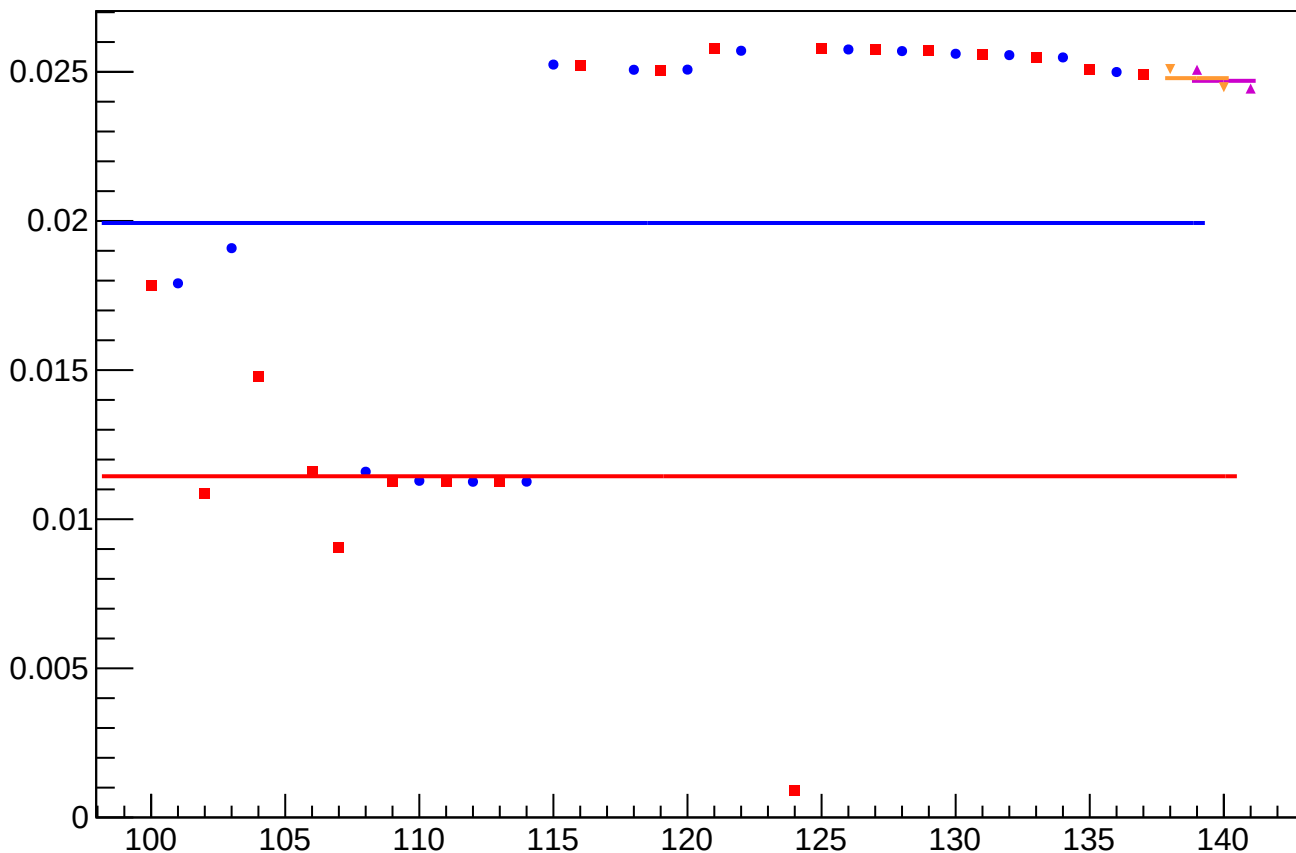
Left In: 0.058+/-0.000 χ^2/NDF : 2665.7/1

+ sign 0.058+/-0.000 χ^2/NDF : 11956.8/17

All: 0.058+/-0.000 χ^2/NDF : 103716.2/38

- sign 0.058+/-0.000 χ^2/NDF : 91350.7/20

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

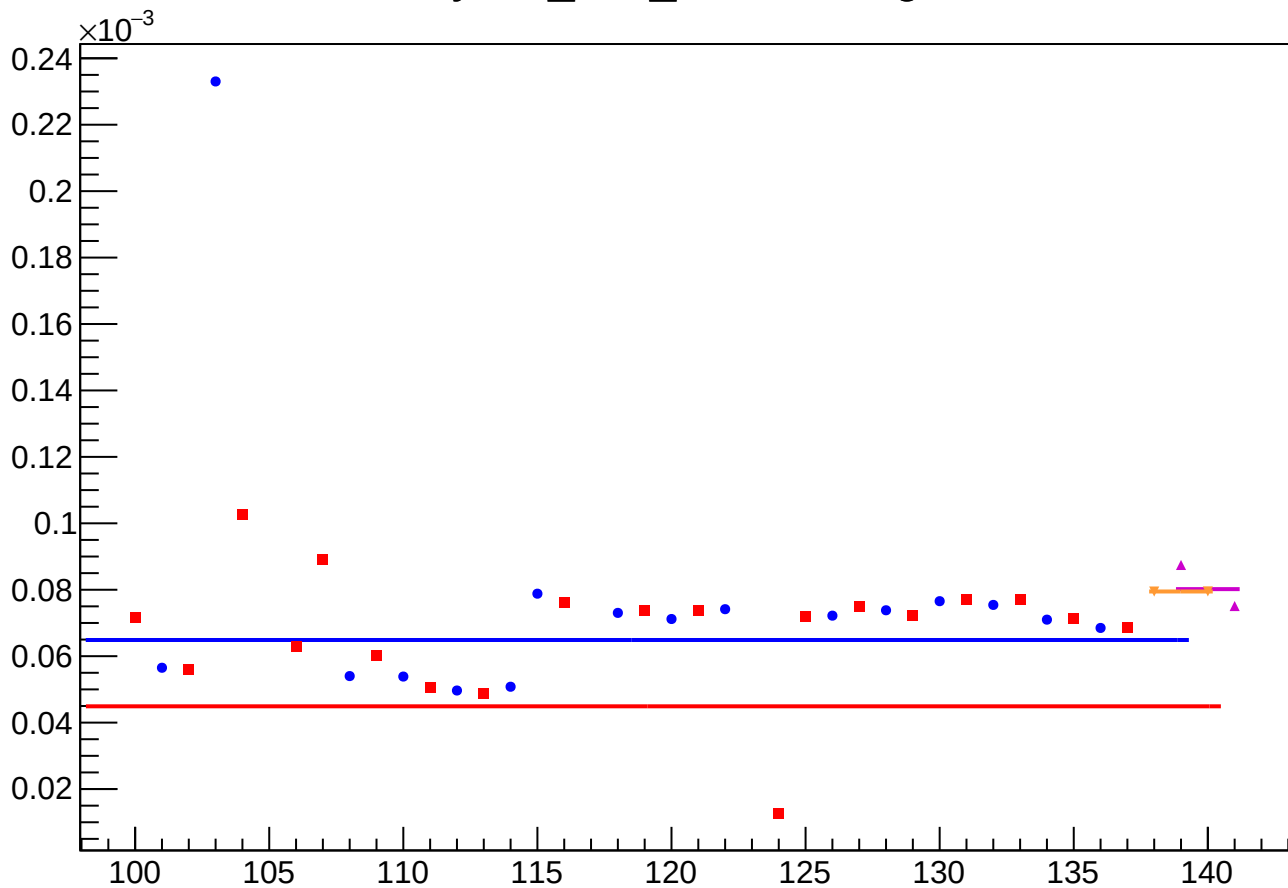
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:24524695.0/1

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 67432169124.3/17

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 430724080626.6

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 294692973088.0/20

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 3770565.9/18

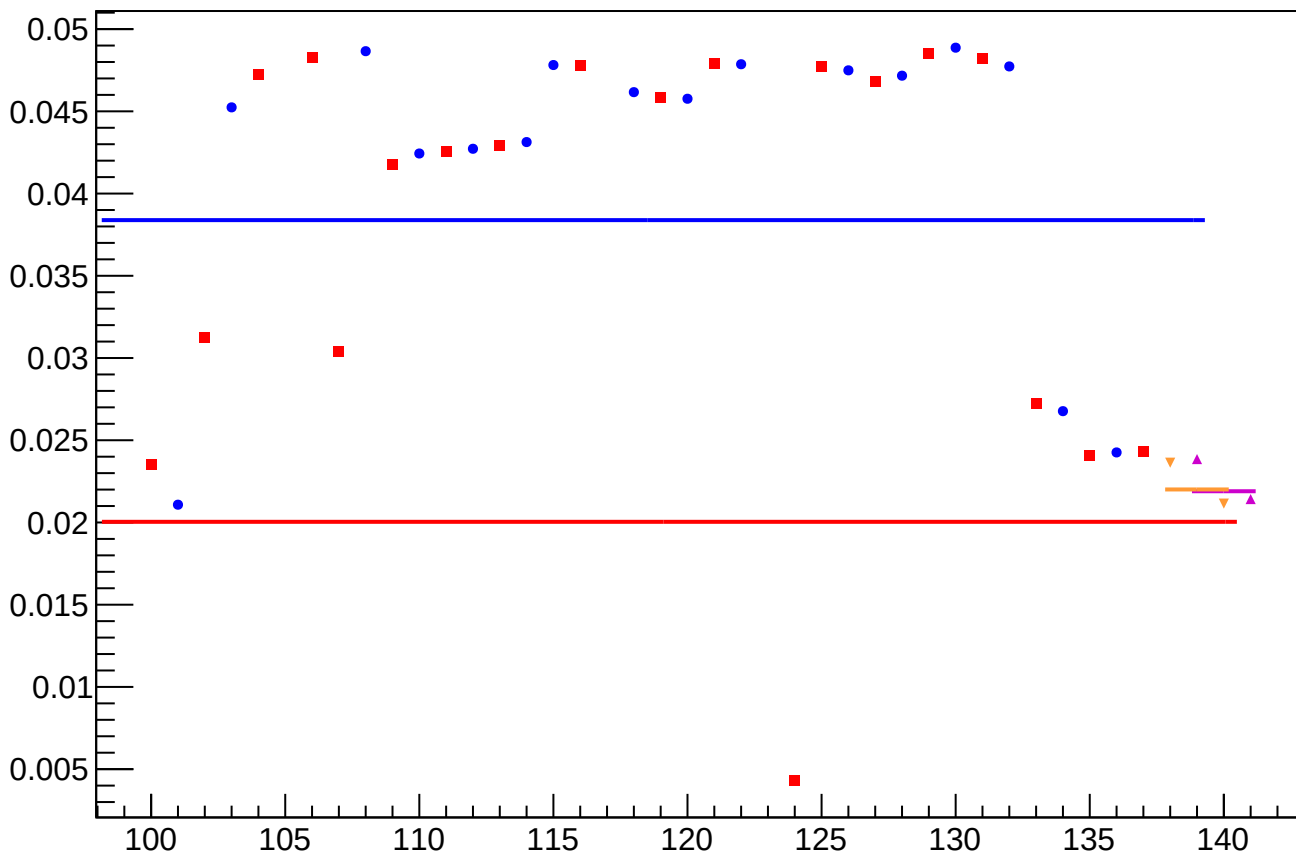
Left In: 0.000+/-0.000 χ^2/NDF : 18919.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 906319.8/17

All: 0.000+/-0.000 χ^2/NDF : 6035869.3/38

- sign 0.000+/-0.000 χ^2/NDF : 4367067.6/20

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

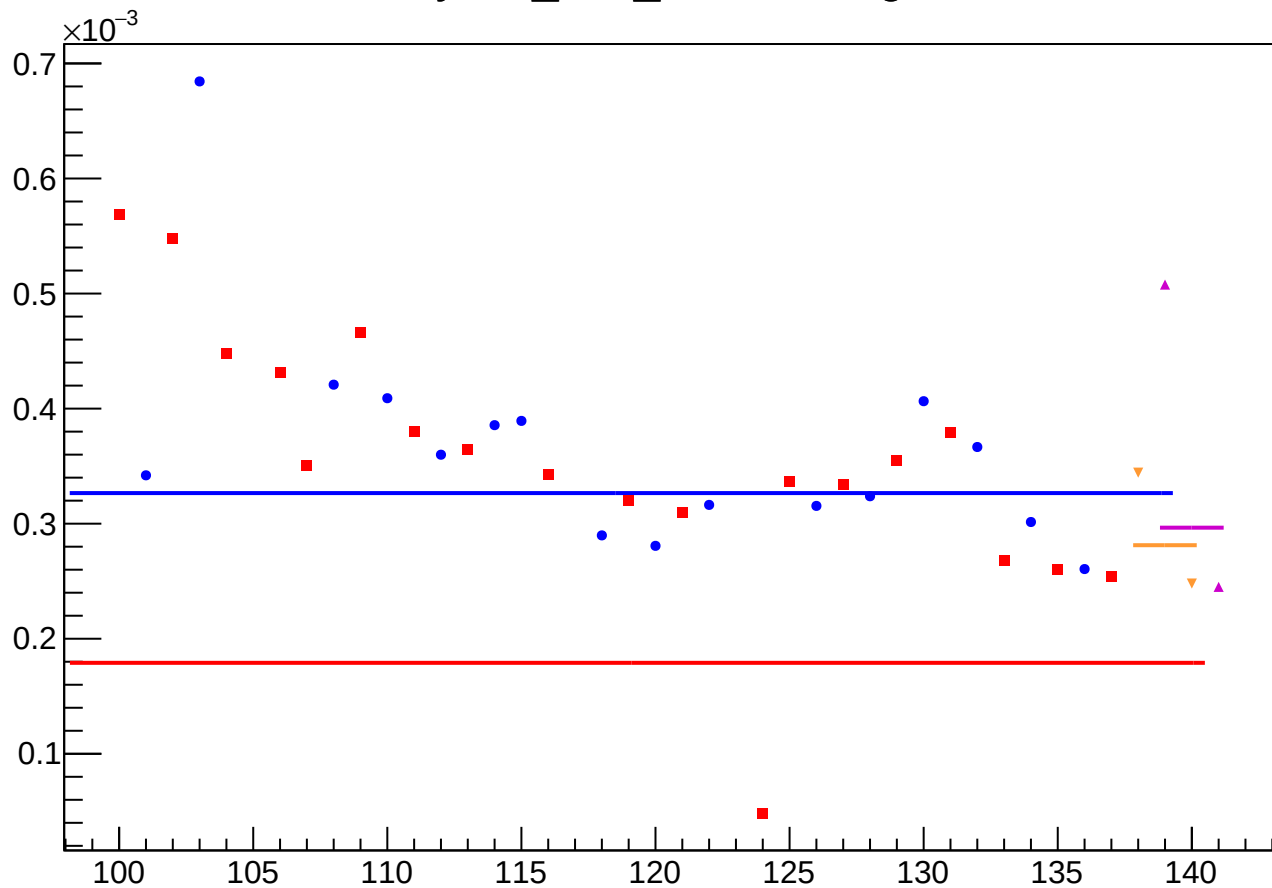
Left In: 0.022 $\pm$ 0.000 χ^2 /NDF:14768641.0/1

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 10621429072.9/17

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 63179365641.6/3

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 42248284154.5/20

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

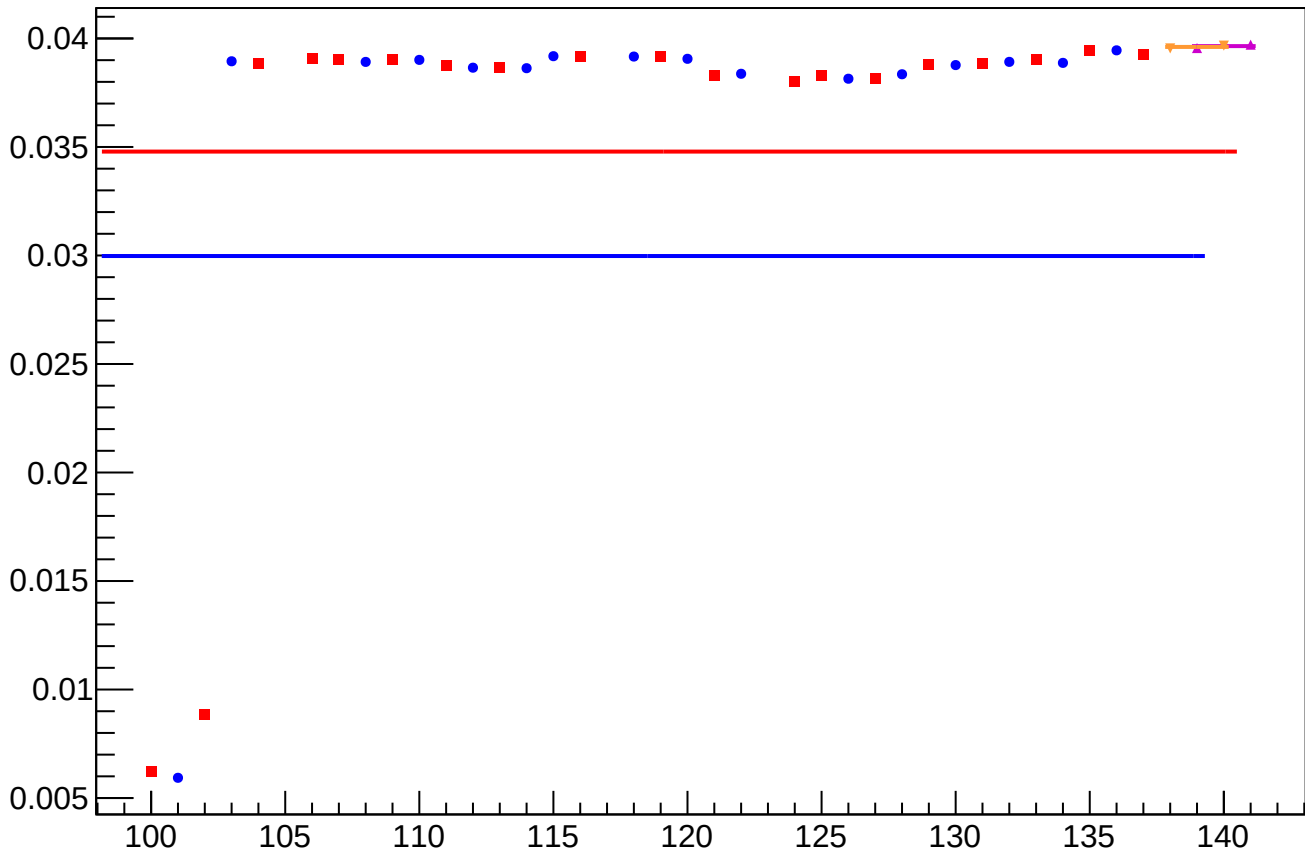
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 344618.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 706110.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8605966.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6392594.0/20

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF :296558.8/1

Right Out: 0.035+/-0.000 χ^2/NDF : 47263545471.6/18

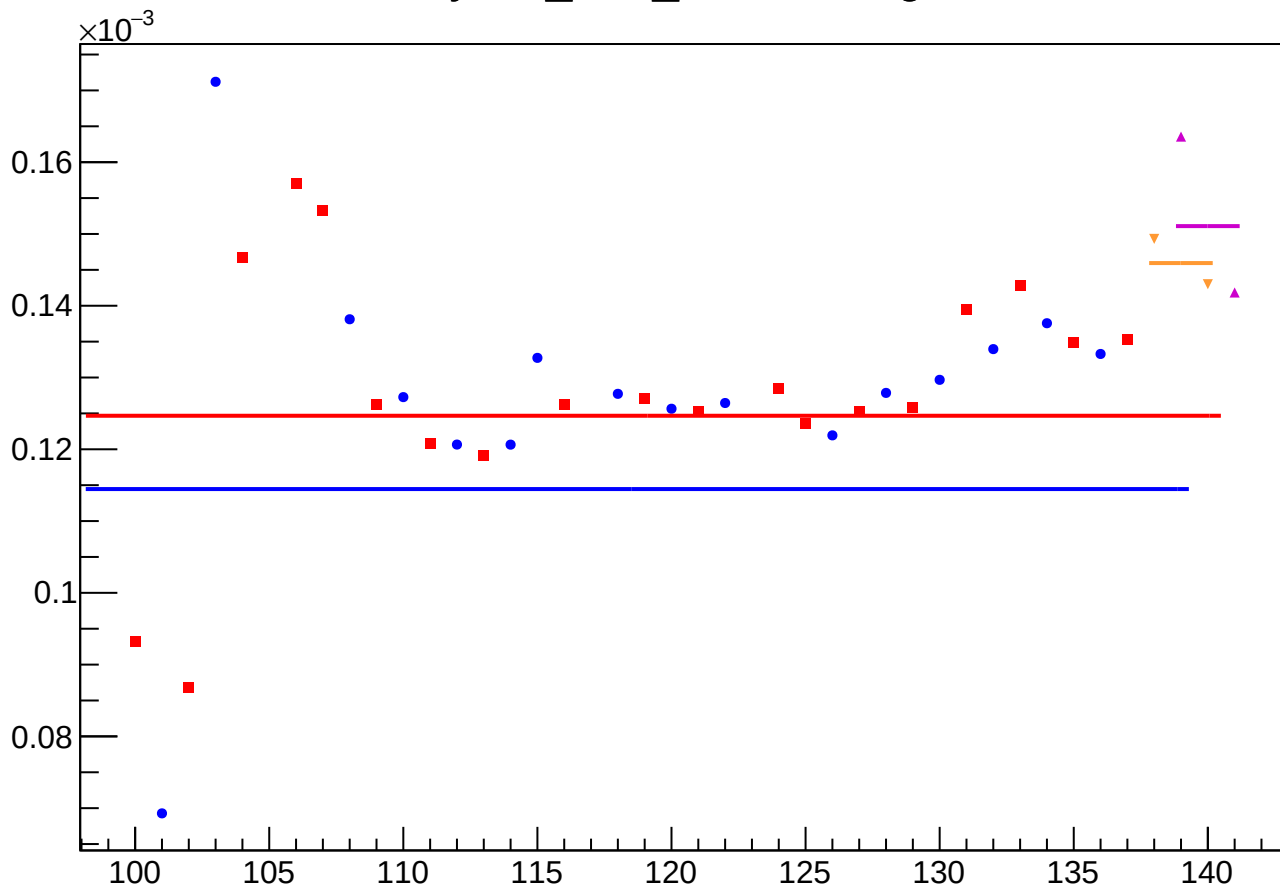
Left In: 0.040+/-0.000 χ^2/NDF :425389.9/1

+ sign 0.031+/-0.000 χ^2/NDF : 114178857644.8/17

All: 0.033+/-0.000 χ^2/NDF : 167940506950.2

- sign 0.035+/-0.000 χ^2/NDF : 48736259081.4/20

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1443.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 260393.6/18

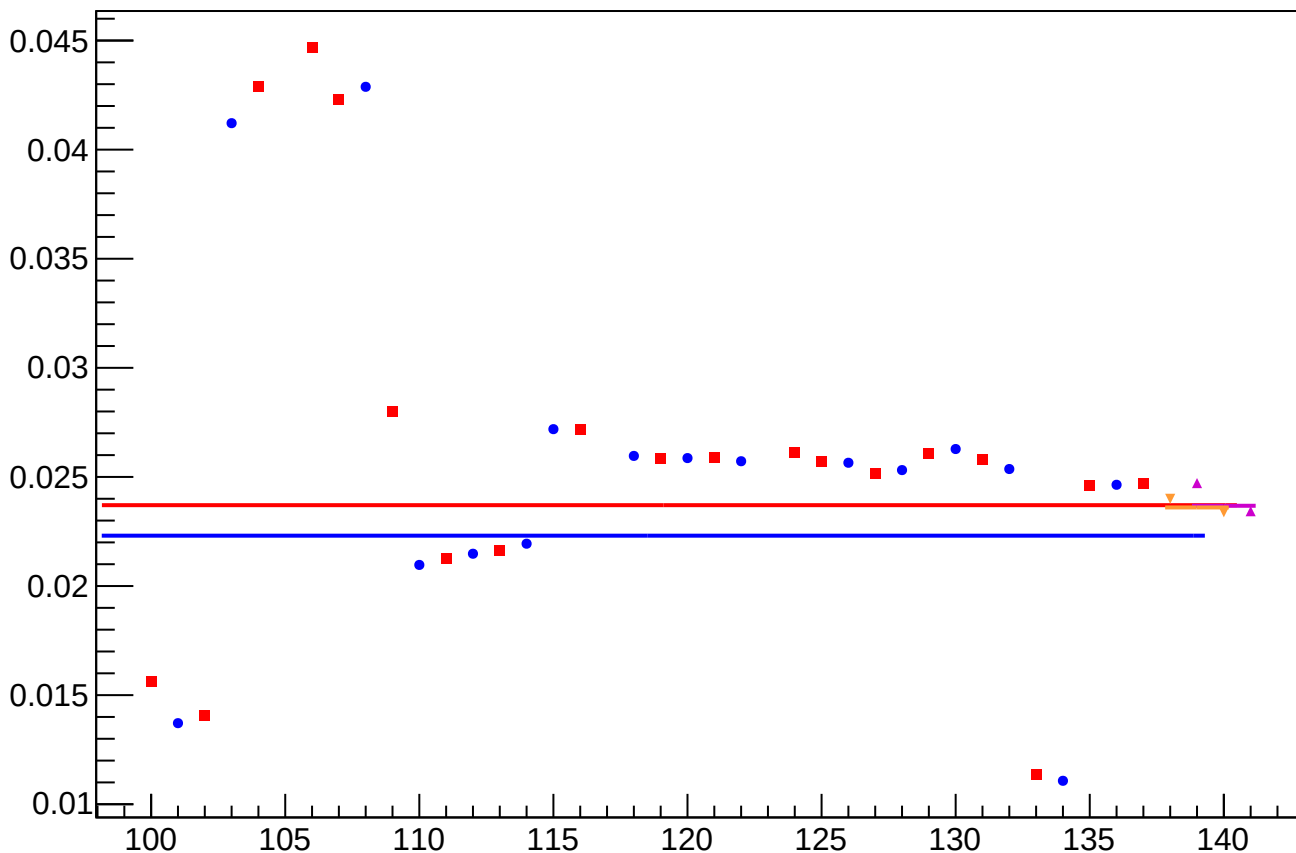
Left In: 0.000+/-0.000 χ^2/NDF : 16712.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 980671.3/17

All: 0.000+/-0.000 χ^2/NDF : 1399121.7/38

- sign 0.000+/-0.000 χ^2/NDF : 364137.0/20

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 5012486114.6/15

Left Out: 0.024+/-0.000 χ^2/NDF :1691736.8/1

Right Out: 0.024+/-0.000 χ^2/NDF : 5581865088.7/18

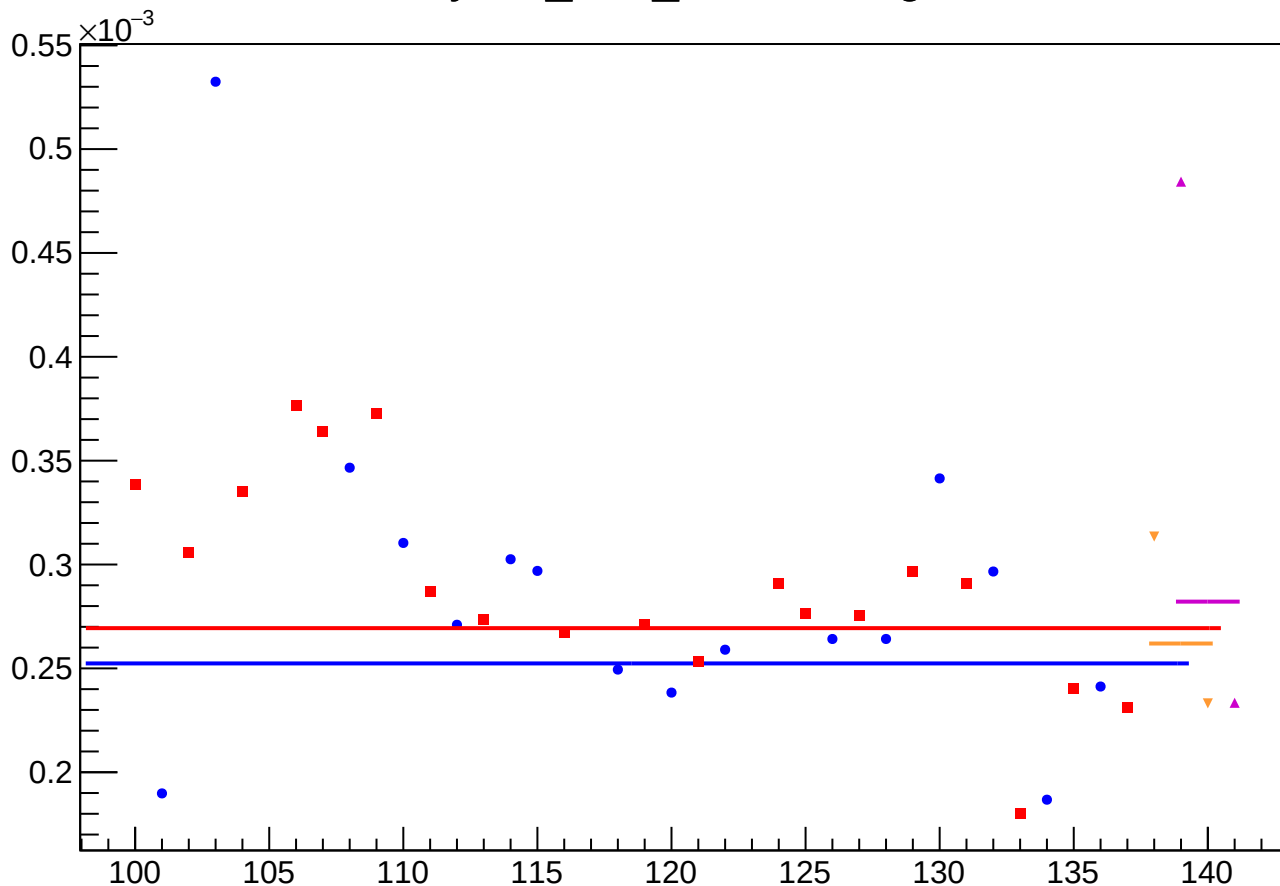
Left In: 0.024+/-0.000 χ^2/NDF :4635774.1/1

+ sign 0.023+/-0.000 χ^2/NDF : 5041144730.7/17

All: 0.023+/-0.000 χ^2/NDF : 10705748595.1/3

- sign 0.024+/-0.000 χ^2/NDF : 5586511936.0/20

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 57209.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 446359.4/18

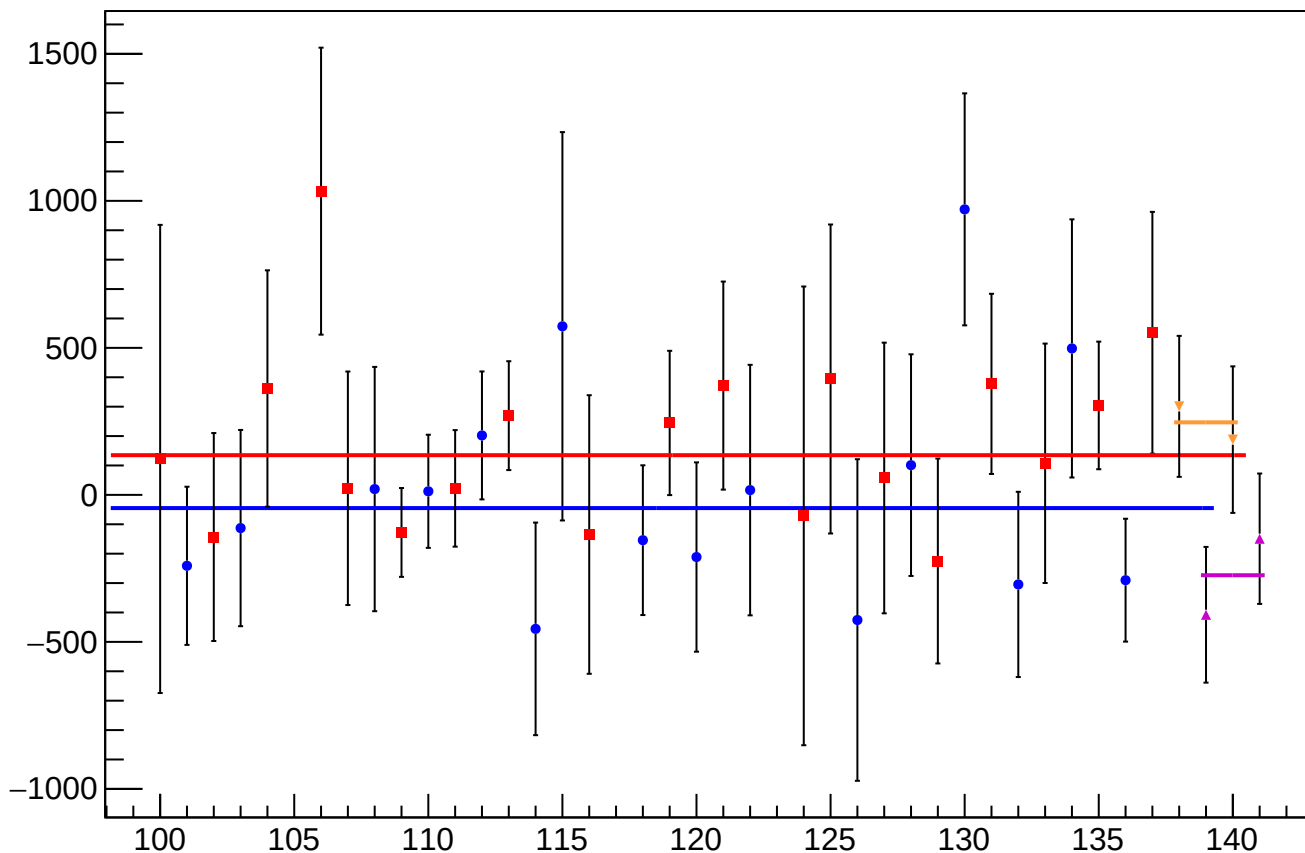
Left In: 0.000+/-0.000 χ^2/NDF : 350994.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 768030.0/17

All: 0.000+/-0.000 χ^2/NDF : 1604671.6/38

- sign 0.000+/-0.000 χ^2/NDF : 802193.7/20

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -44.917 ± 76.198 χ^2/NDF : 15.5/15

Left Out: 246.668 ± 172.758 χ^2/NDF : 0.1/1

Right Out: 134.996 ± 68.062 χ^2/NDF : 12.9/18

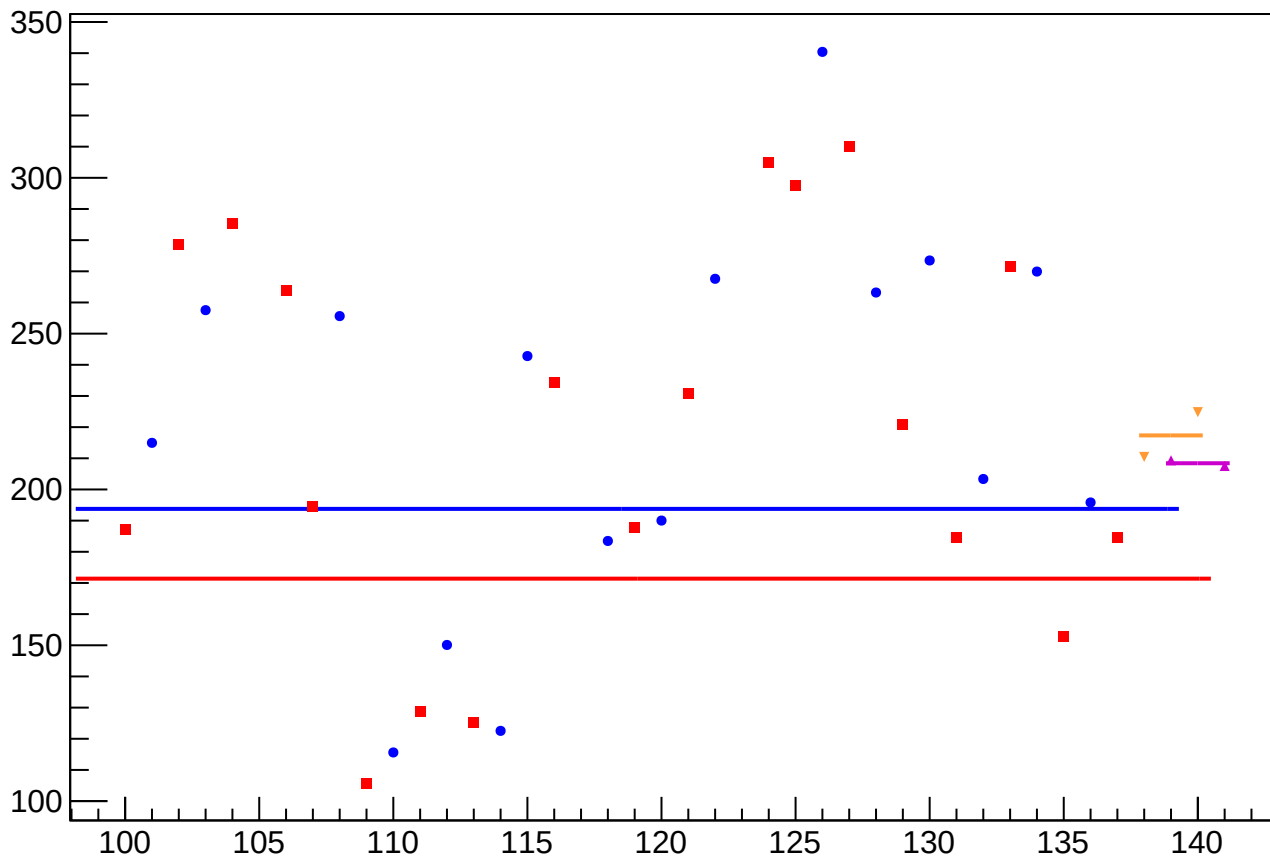
Left In: -273.267 ± 159.901 χ^2/NDF : 0.7/1

+ sign 2.571 ± 69.718 χ^2/NDF : 18.0/17

All: 41.202 ± 46.589 χ^2/NDF : 37.6/38

- sign 72.373 ± 62.625 χ^2/NDF : 19.1/20

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

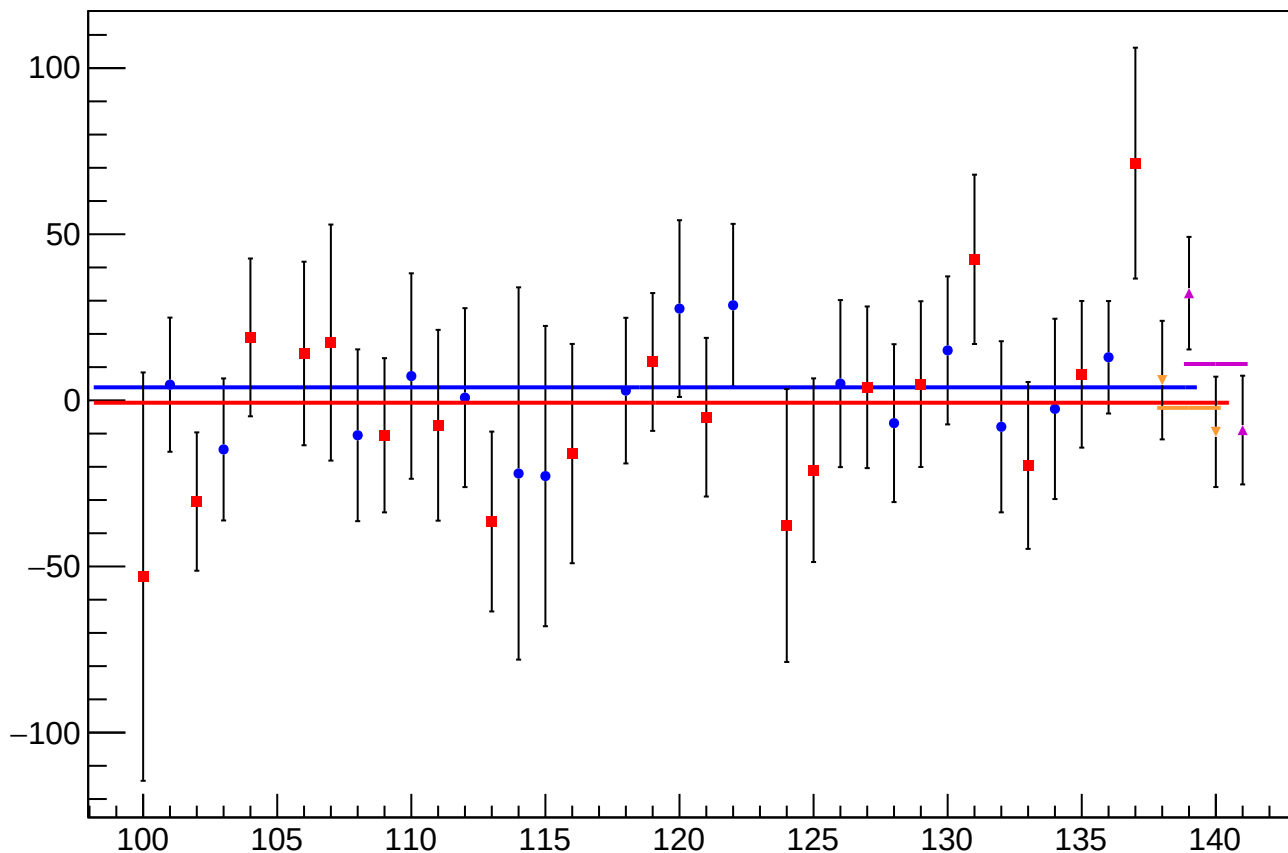
Left In: 208.414 $\pm$ 0.113 χ^2 /NDF:64.8/1

+ sign 197.608 $\pm$ 0.049 χ^2 /NDF: 1082735.2/17

All: 186.237 $\pm$ 0.033 χ^2 /NDF: 2927827.4/38

- sign 177.062 $\pm$ 0.044 χ^2 /NDF: 1748963.1/20

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.923 ± 6.172 χ^2/NDF : 4.5/15

Left Out: -2.250 ± 12.158 χ^2/NDF : 0.4/1

Right Out: -0.714 ± 6.077 χ^2/NDF : 15.9/18

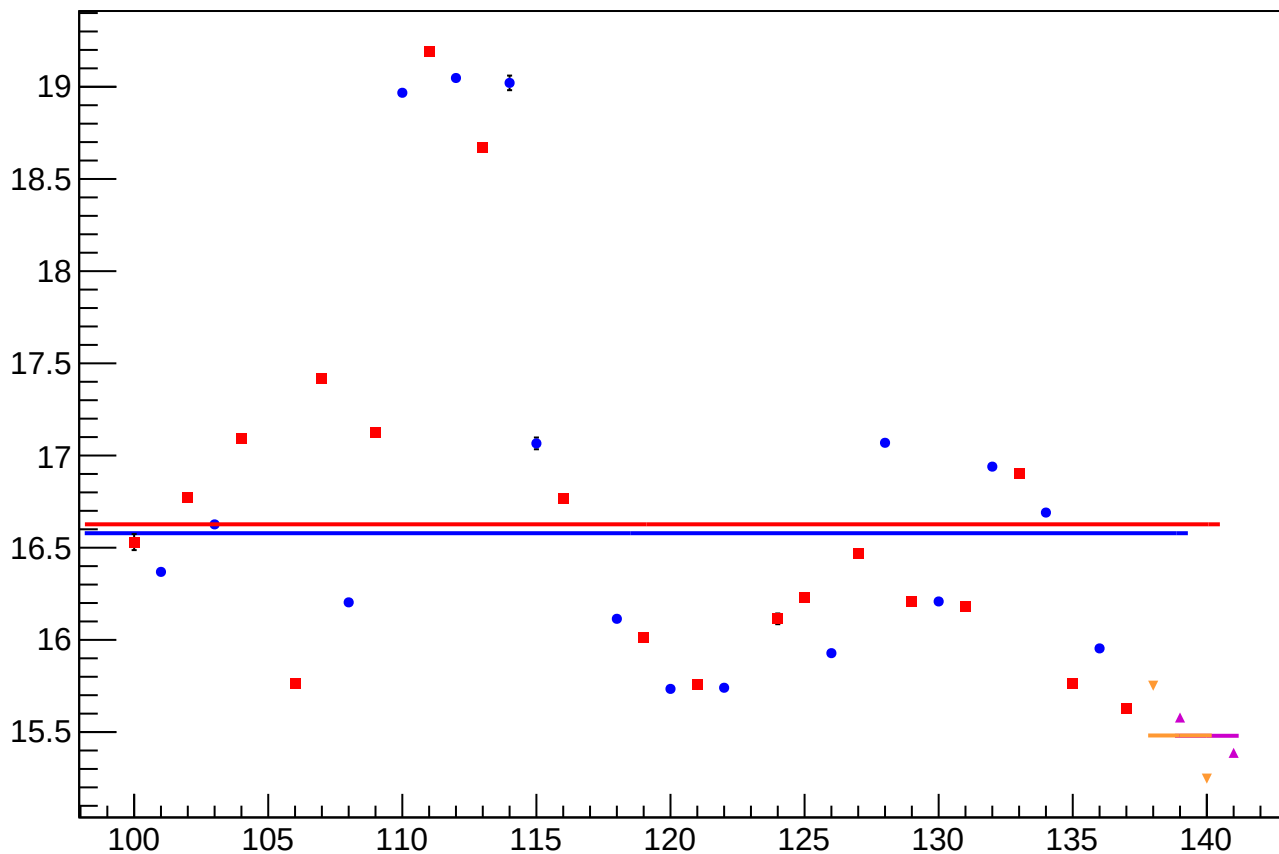
Left In: 10.943 ± 11.772 χ^2/NDF : 3.1/1

+ sign 2.658 ± 5.503 χ^2/NDF : 5.1/17

All: 2.190 ± 3.854 χ^2/NDF : 24.9/38

- sign 1.739 ± 5.400 χ^2/NDF : 19.7/20

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

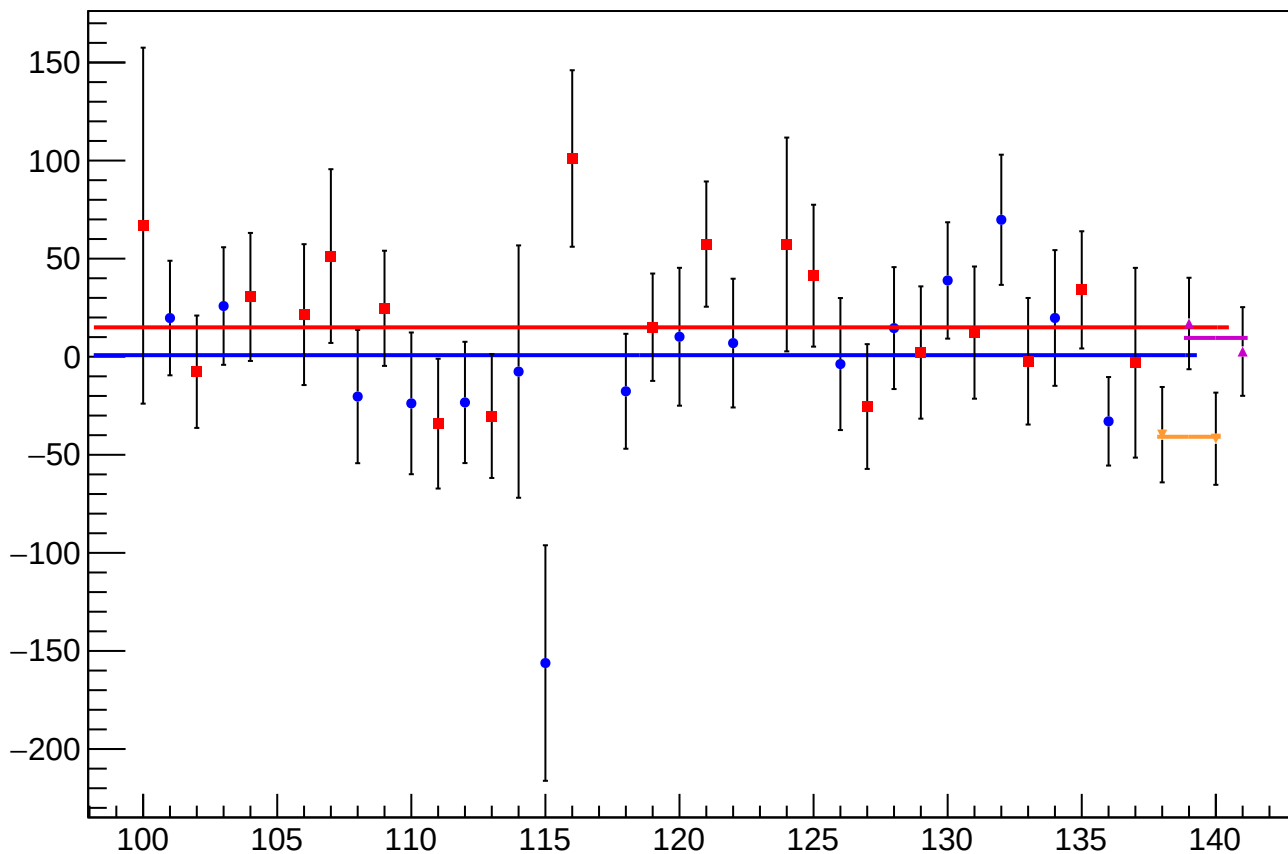
Left In: 15.480 $\pm$ 0.008 χ^2 /NDF: 132.3/1

+ sign 16.354 $\pm$ 0.004 χ^2 /NDF: 58381.3/17

All: 16.370 $\pm$ 0.003 χ^2 /NDF: 117003.9/38

- sign 16.386 $\pm$ 0.004 χ^2 /NDF: 58588.7/20

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.790 ± 8.125 $\chi^2/\text{NDF}: 18.7/15$

Left Out: -40.810 ± 16.898 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 14.981 ± 7.953 $\chi^2/\text{NDF}: 15.4/18$

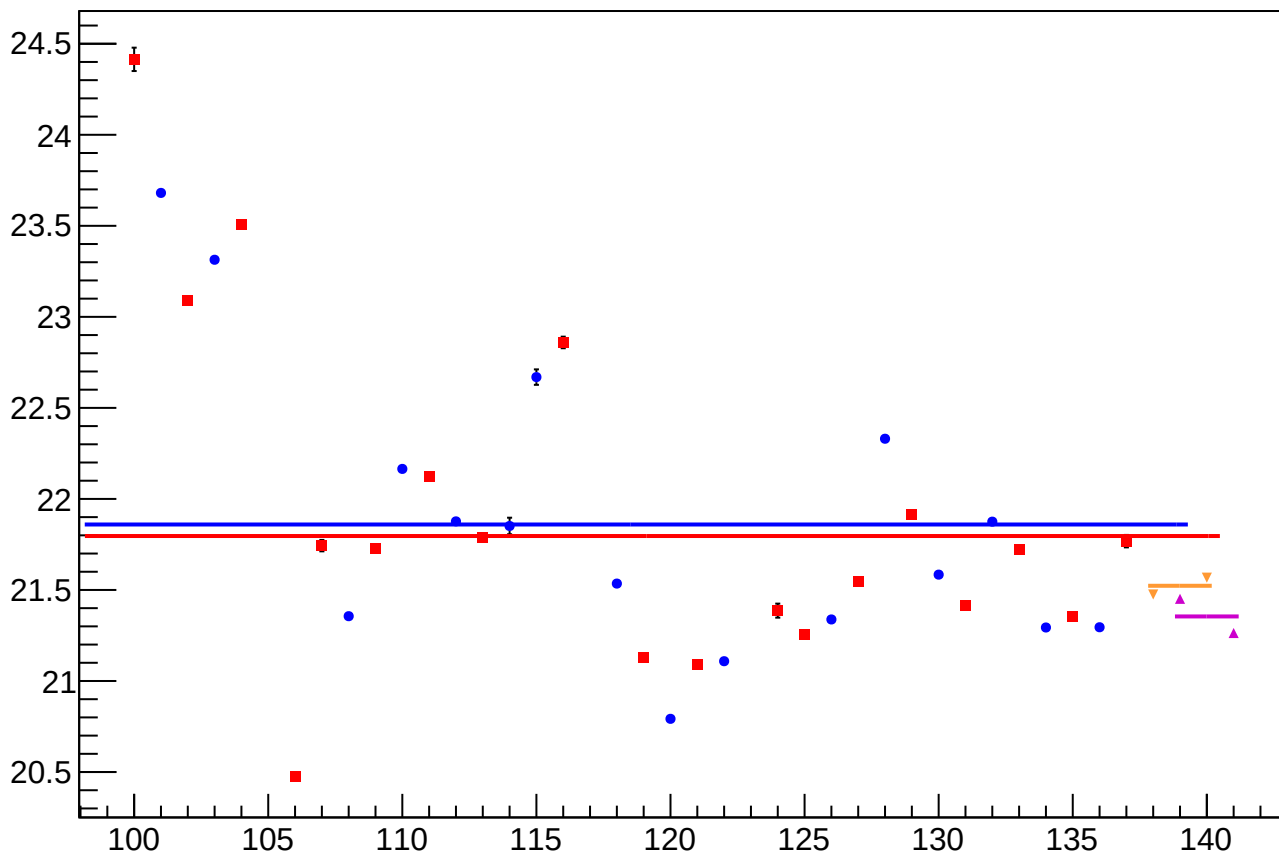
Left In: 9.583 ± 16.231 $\chi^2/\text{NDF}: 0.2/1$

+ sign -7.021 ± 7.322 $\chi^2/\text{NDF}: 23.6/17$

All: 3.718 ± 5.113 $\chi^2/\text{NDF}: 43.5/38$

- sign 13.936 ± 7.142 $\chi^2/\text{NDF}: 15.7/20$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860 ± 0.006 χ^2/NDF : 19468.1/15

Left Out: 21.523 ± 0.012 χ^2/NDF : 14.9/1

Right Out: 21.796 ± 0.006 χ^2/NDF : 18861.3/18

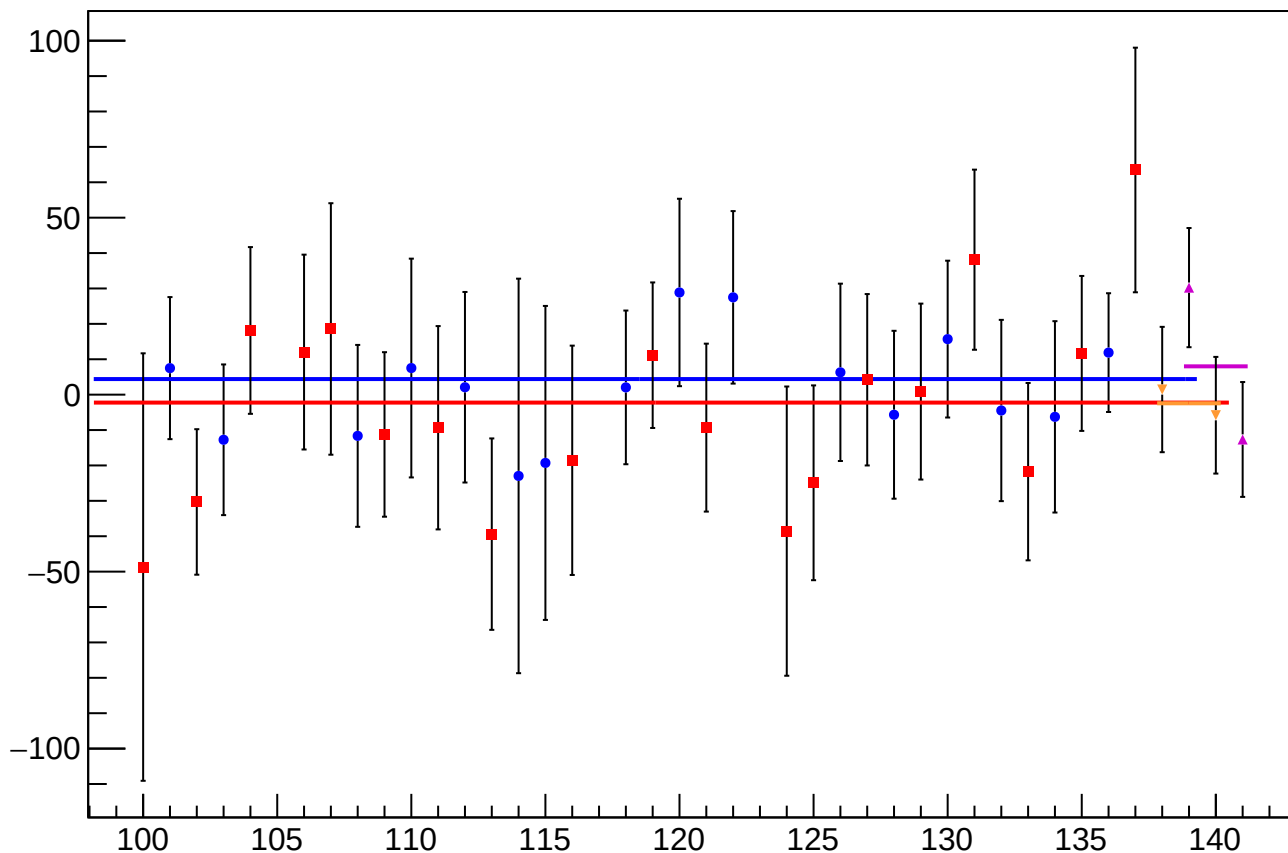
Left In: 21.355 ± 0.011 χ^2/NDF : 66.9/1

+ sign 21.796 ± 0.005 χ^2/NDF : 20127.6/17

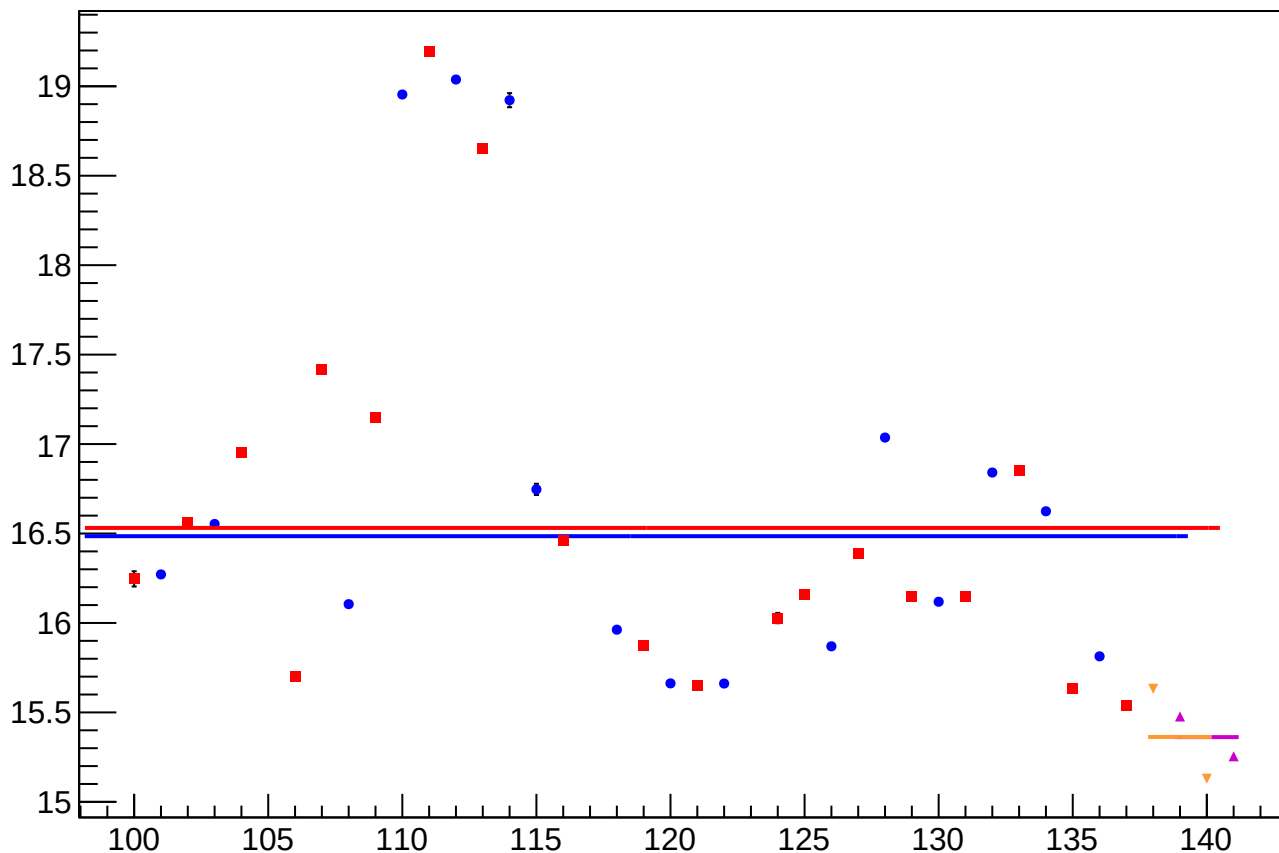
All: 21.752 ± 0.004 χ^2/NDF : 40390.3/38

- sign 21.711 ± 0.005 χ^2/NDF : 20122.5/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

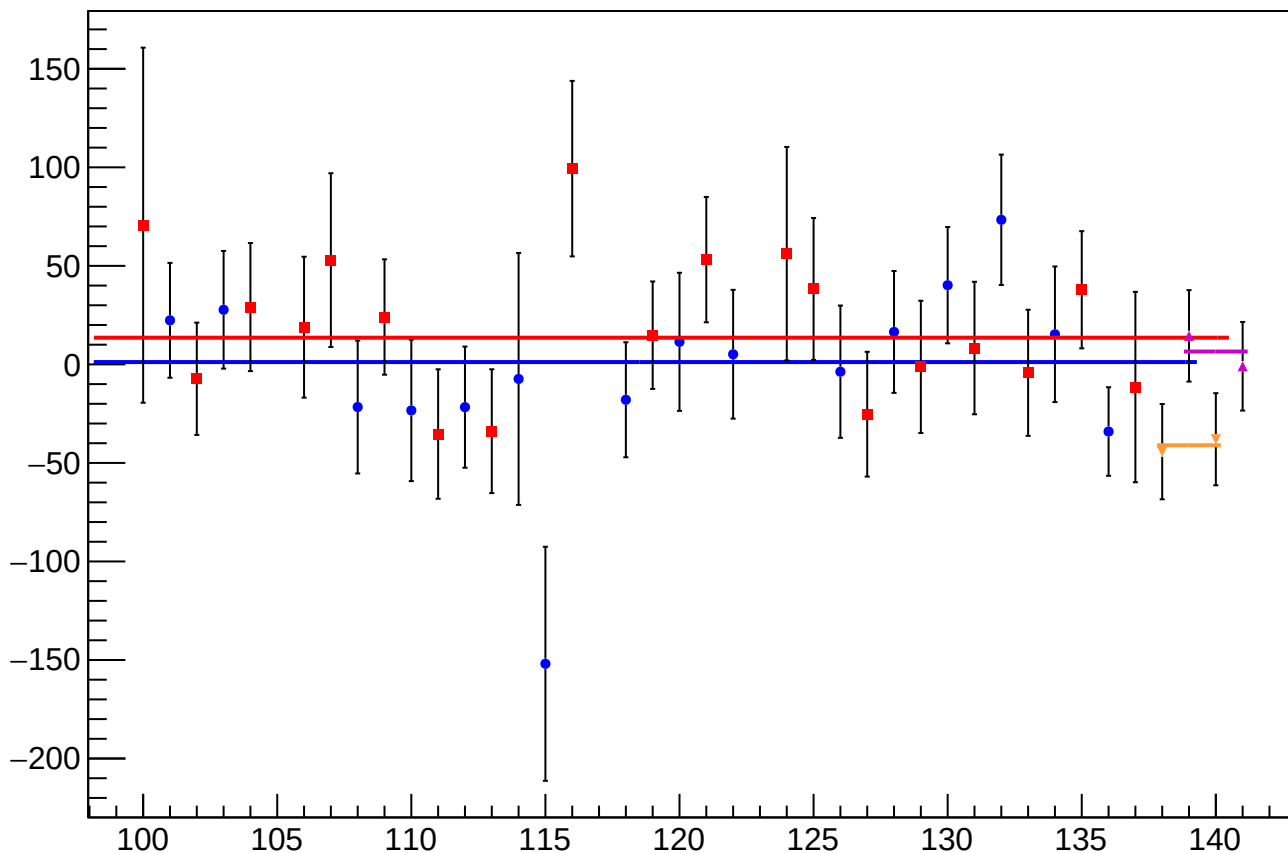
Left In: 15.362 $\pm$ 0.008 χ^2 /NDF:181.1/1

+ sign 16.254 $\pm$ 0.004 χ^2 /NDF: 61799.7/17

All: 16.270 $\pm$ 0.003 χ^2 /NDF: 124295.1/38

- sign 16.284 $\pm$ 0.004 χ^2 /NDF: 62464.5/20

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

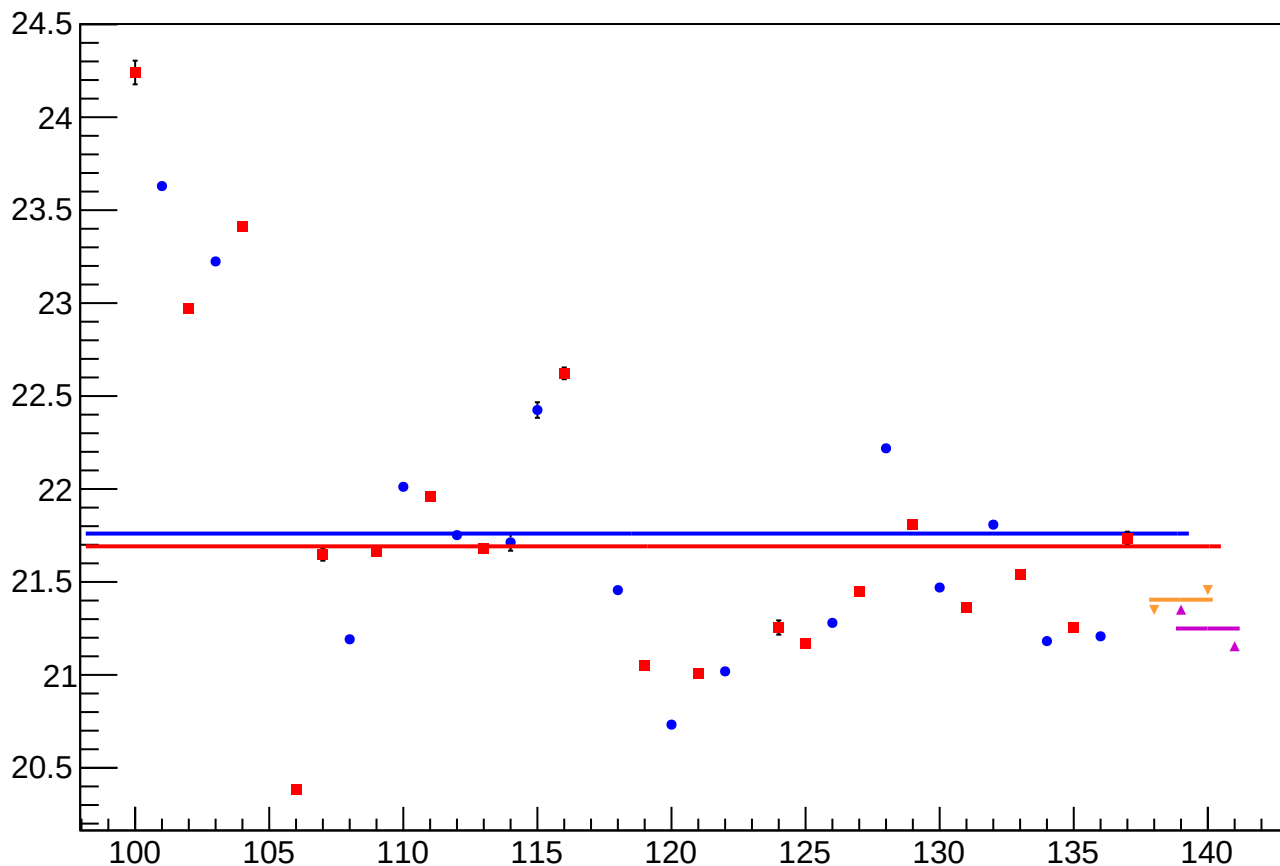
Left In: 6.524 $\pm$ 16.152 χ^2 /NDF: 0.2/1

+ sign -6.754 $\pm$ 7.288 χ^2 /NDF: 24.6/17

All: 2.954 $\pm$ 5.088 χ^2 /NDF: 44.3/38

- sign 12.189 $\pm$ 7.107 χ^2 /NDF: 16.3/20

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

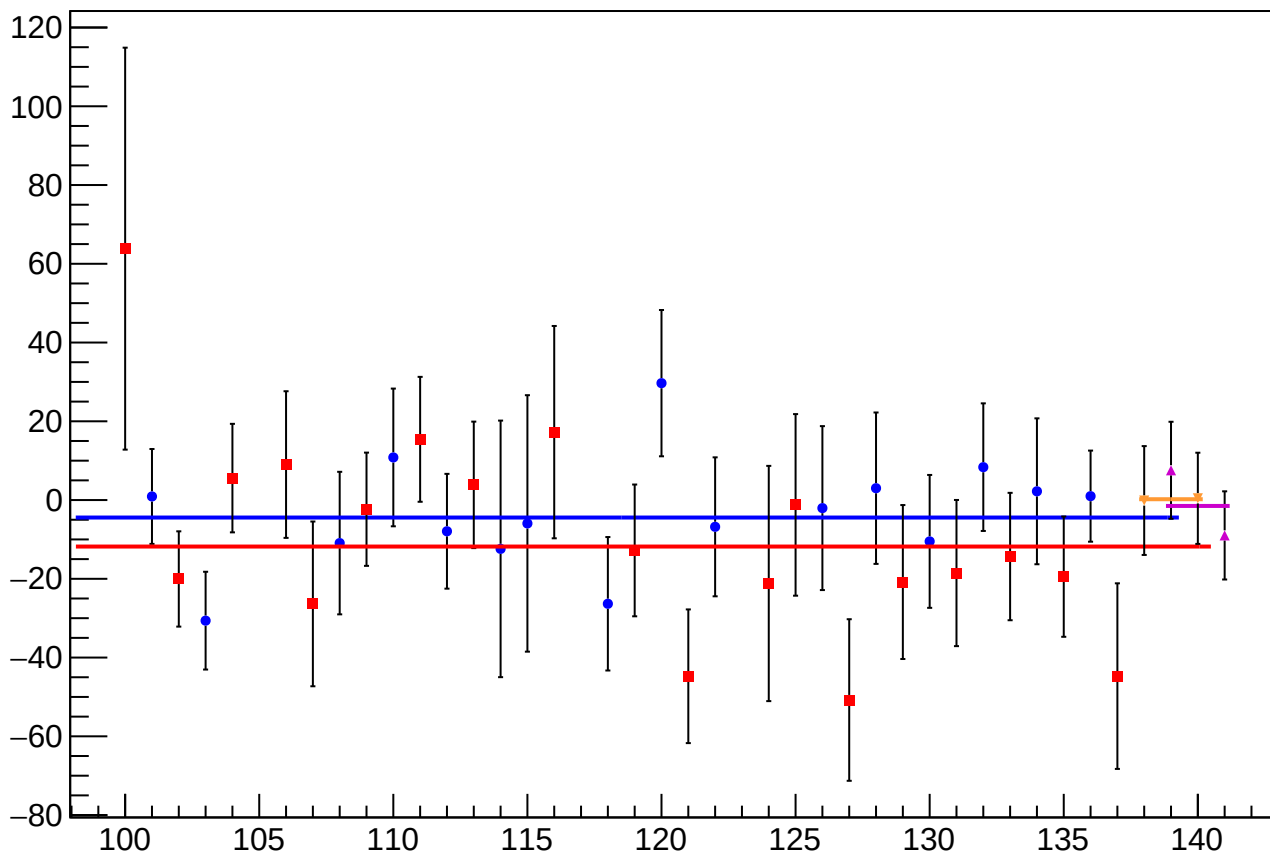
Left In: 21.250 $\pm$ 0.011 χ^2 /NDF: 74.0/1

+ sign 21.693 $\pm$ 0.005 χ^2 /NDF: 20493.1/17

All: 21.649 $\pm$ 0.004 χ^2 /NDF: 40253.2/38

- sign 21.606 $\pm$ 0.005 χ^2 /NDF: 19612.6/20

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440 ± 4.131 χ^2/NDF : 12.0/15

Left Out: 0.210 ± 8.875 χ^2/NDF : 0.0/1

Right Out: -11.807 ± 4.097 χ^2/NDF : 21.7/18

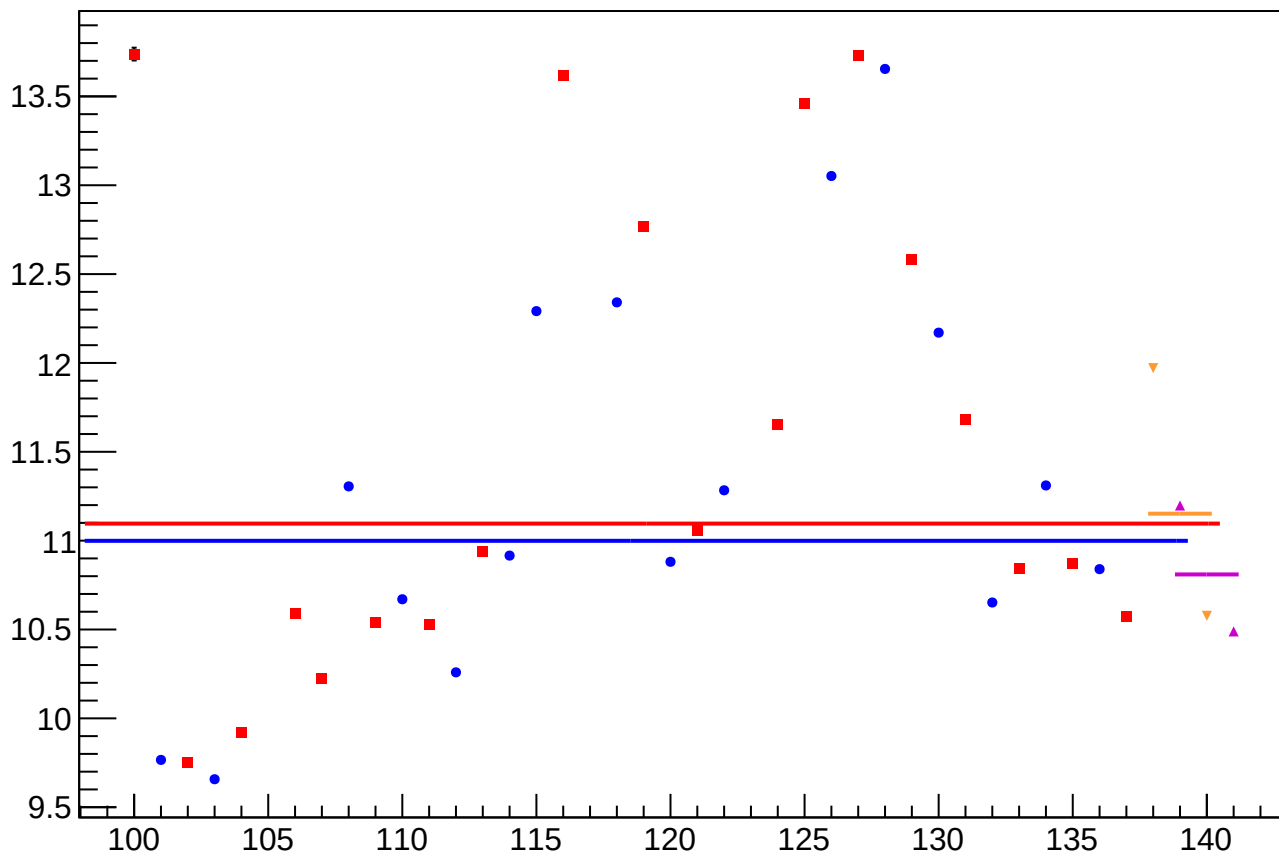
Left In: -1.496 ± 8.286 χ^2/NDF : 1.0/1

+ sign -3.612 ± 3.745 χ^2/NDF : 12.2/17

All: -6.757 ± 2.622 χ^2/NDF : 37.6/38

- sign -9.781 ± 3.673 χ^2/NDF : 24.0/20

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

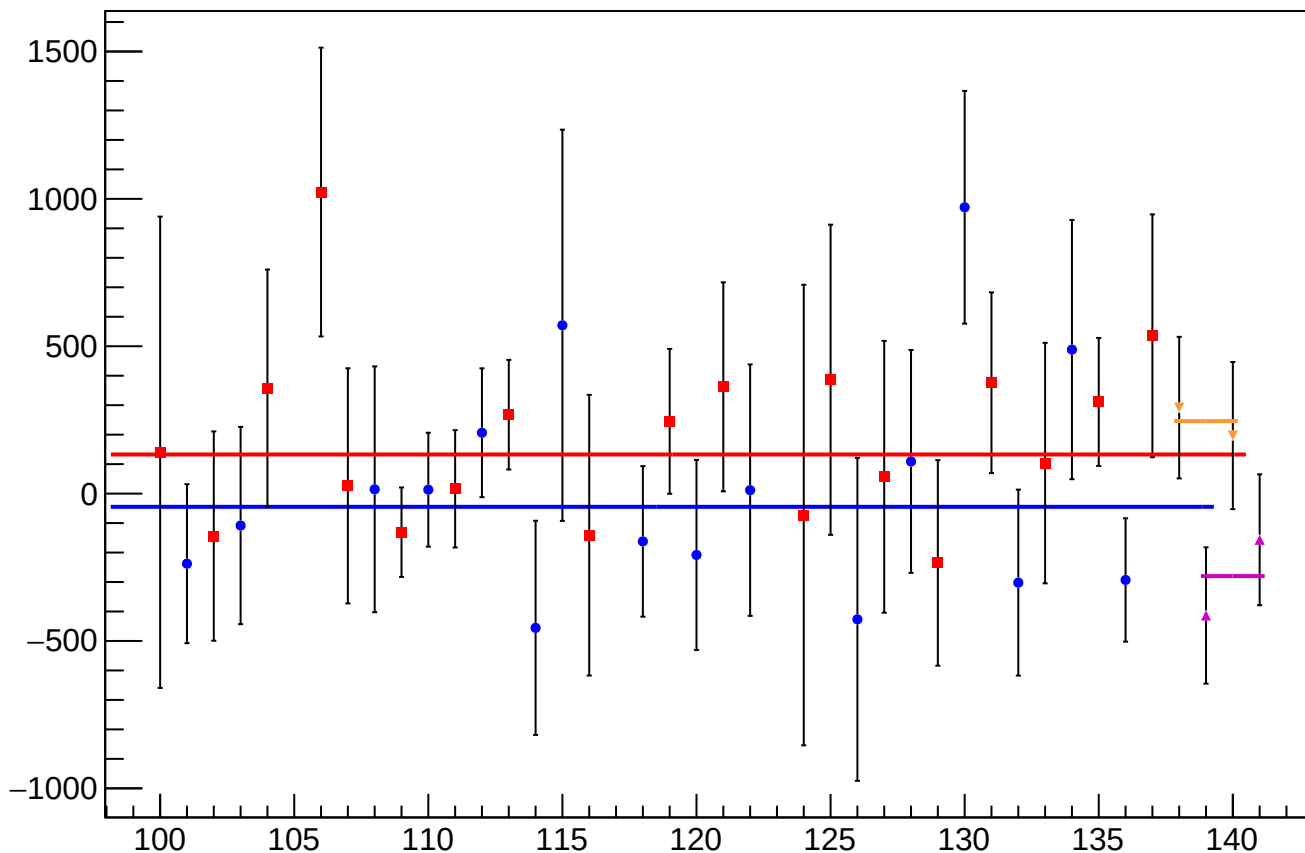
Left In: 10.810 $\pm$ 0.006 χ^2 /NDF: 3622.0/1

+ sign 11.026 $\pm$ 0.003 χ^2 /NDF: 148598.1/17

All: 11.033 $\pm$ 0.002 χ^2 /NDF: 317057.5/38

- sign 11.040 $\pm$ 0.003 χ^2 /NDF: 168446.1/20

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 $\chi^2/\text{NDF}: 12.9/18$

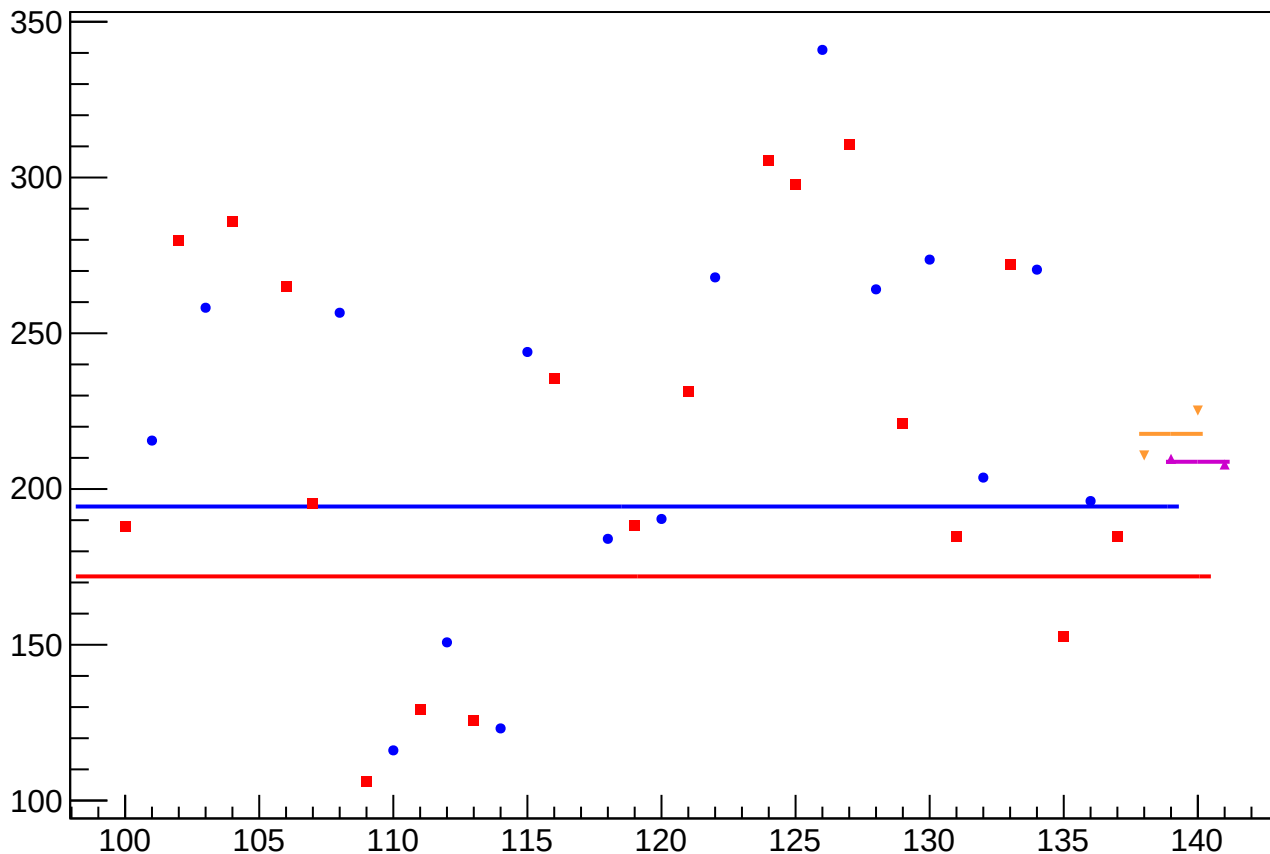
Left In: -279.905 ± 160.159 $\chi^2/\text{NDF}: 0.6/1$

+ sign 2.682 ± 69.909 $\chi^2/\text{NDF}: 17.9/17$

All: 39.539 ± 46.719 $\chi^2/\text{NDF}: 37.5/38$

- sign 69.283 ± 62.802 $\chi^2/\text{NDF}: 19.1/20$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF : 1042024.1/15

Left Out: 217.710+/-0.122 χ^2/NDF : 3465.9/1

Right Out: 171.949+/-0.048 χ^2/NDF : 1651343.7/18

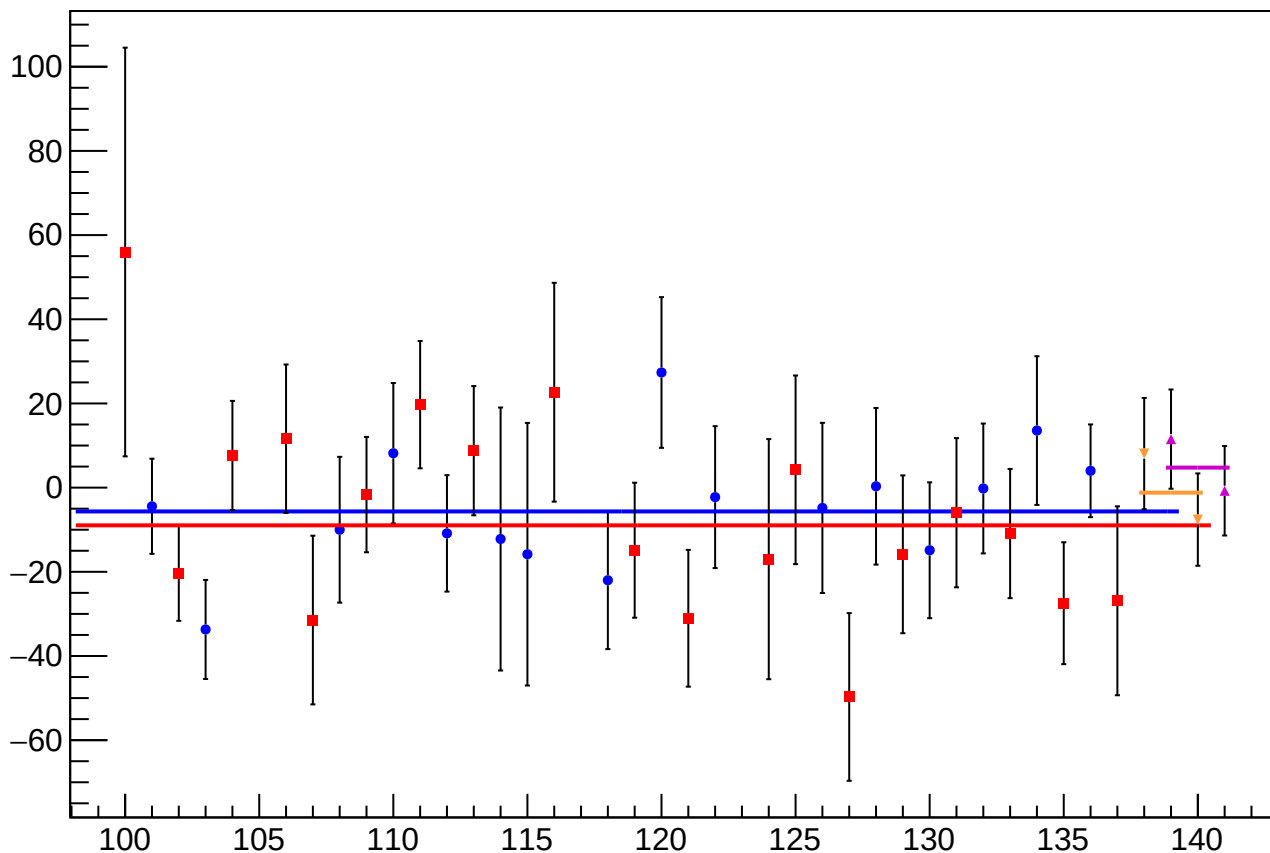
Left In: 208.750+/-0.113 χ^2/NDF : 65.1/1

+ sign 198.192+/-0.049 χ^2/NDF : 1075896.7/17

All: 186.800+/-0.033 χ^2/NDF : 2912622.8/38

- sign 177.607+/-0.044 χ^2/NDF : 1740767.9/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657 $\pm$ 3.939 χ^2 /NDF: 13.7/15

Left Out: -1.195 $\pm$ 8.439 χ^2 /NDF: 0.8/1

Right Out: -8.960 $\pm$ 3.901 χ^2 /NDF: 22.8/18

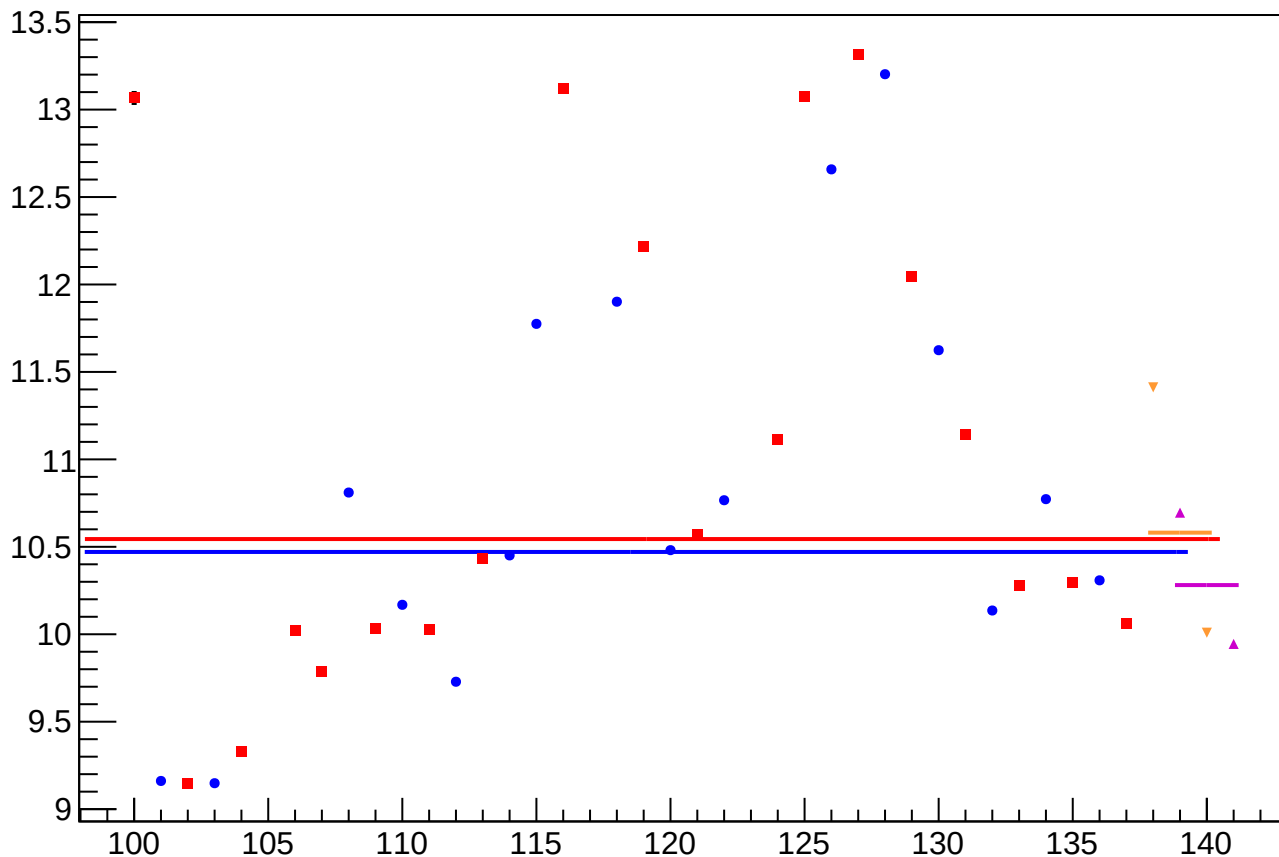
Left In: 4.757 $\pm$ 7.892 χ^2 /NDF: 0.6/1

+ sign -4.859 $\pm$ 3.569 χ^2 /NDF: 14.7/17

All: -5.577 $\pm$ 2.498 χ^2 /NDF: 40.6/38

- sign -6.267 $\pm$ 3.497 χ^2 /NDF: 25.8/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF : 157365.8/15

Left Out: 10.581+/-0.006 χ^2/NDF : 13347.0/1

Right Out: 10.544+/-0.003 χ^2/NDF : 186780.3/18

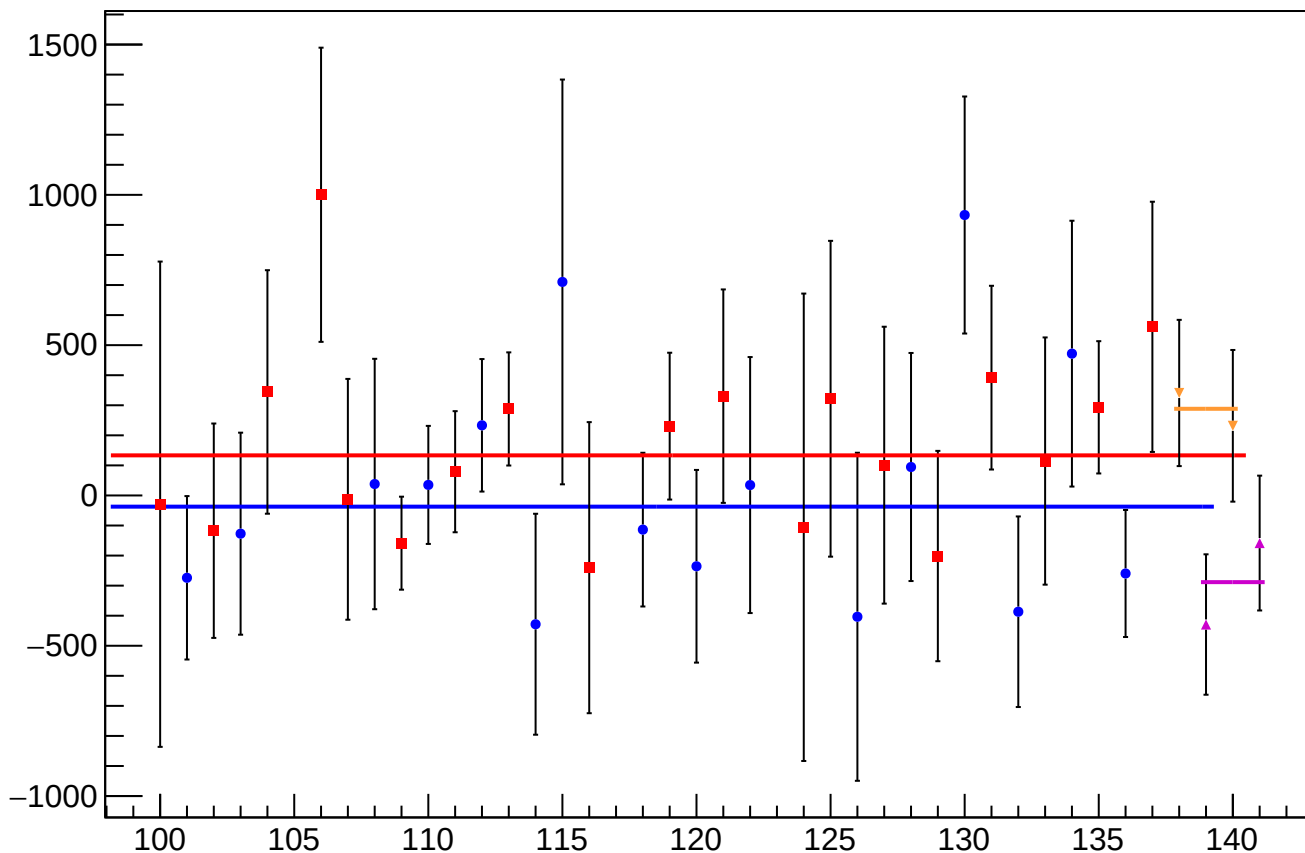
Left In: 10.281+/-0.006 χ^2/NDF : 4473.6/1

+ sign 10.490+/-0.003 χ^2/NDF : 170993.9/17

All: 10.492+/-0.002 χ^2/NDF : 364035.0/38

- sign 10.493+/-0.002 χ^2/NDF : 193040.7/20

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

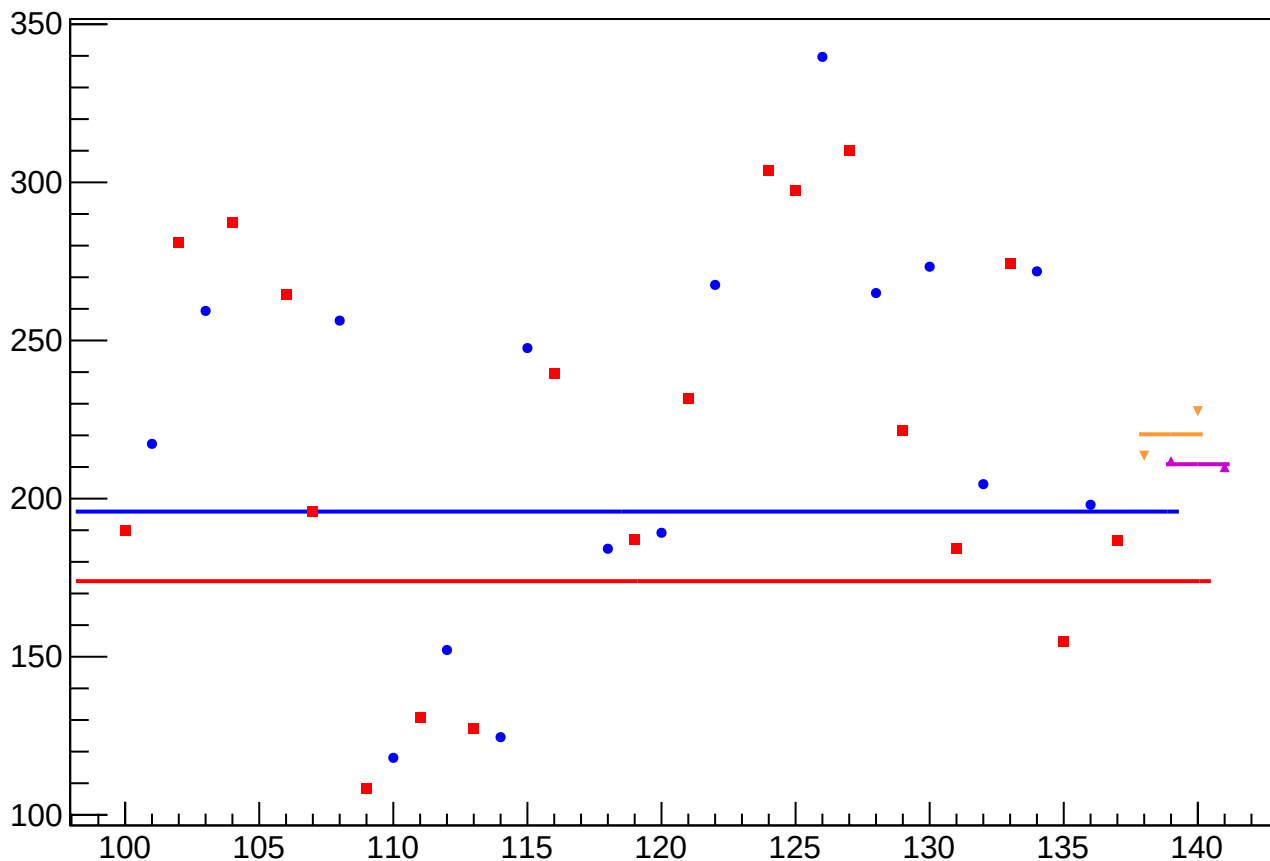
Left In: -288.365 ± 161.769 χ^2/NDF : 0.7/1

+ sign 15.406 ± 70.421 χ^2/NDF : 18.6/17

All: 44.822 ± 47.109 χ^2/NDF : 38.3/38

- sign 68.649 ± 63.378 χ^2/NDF : 19.4/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900 $\pm$ 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

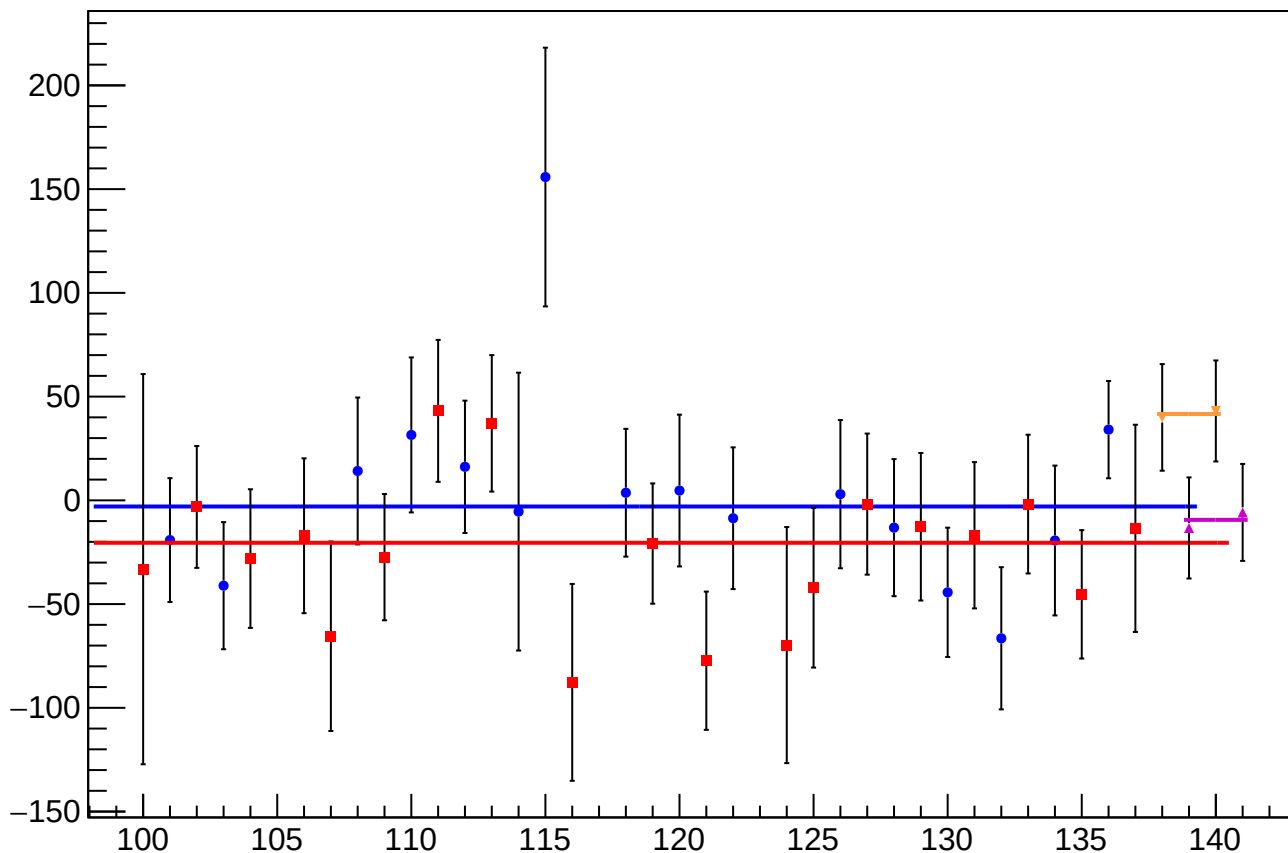
Left In: 210.877 $\pm$ 0.114 χ^2 /NDF:69.6/1

+ sign 199.852 $\pm$ 0.050 χ^2 /NDF: 1046899.6/17

All: 188.650 $\pm$ 0.033 χ^2 /NDF: 2826622.7/38

- sign 179.577 $\pm$ 0.045 χ^2 /NDF: 1688127.2/20

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

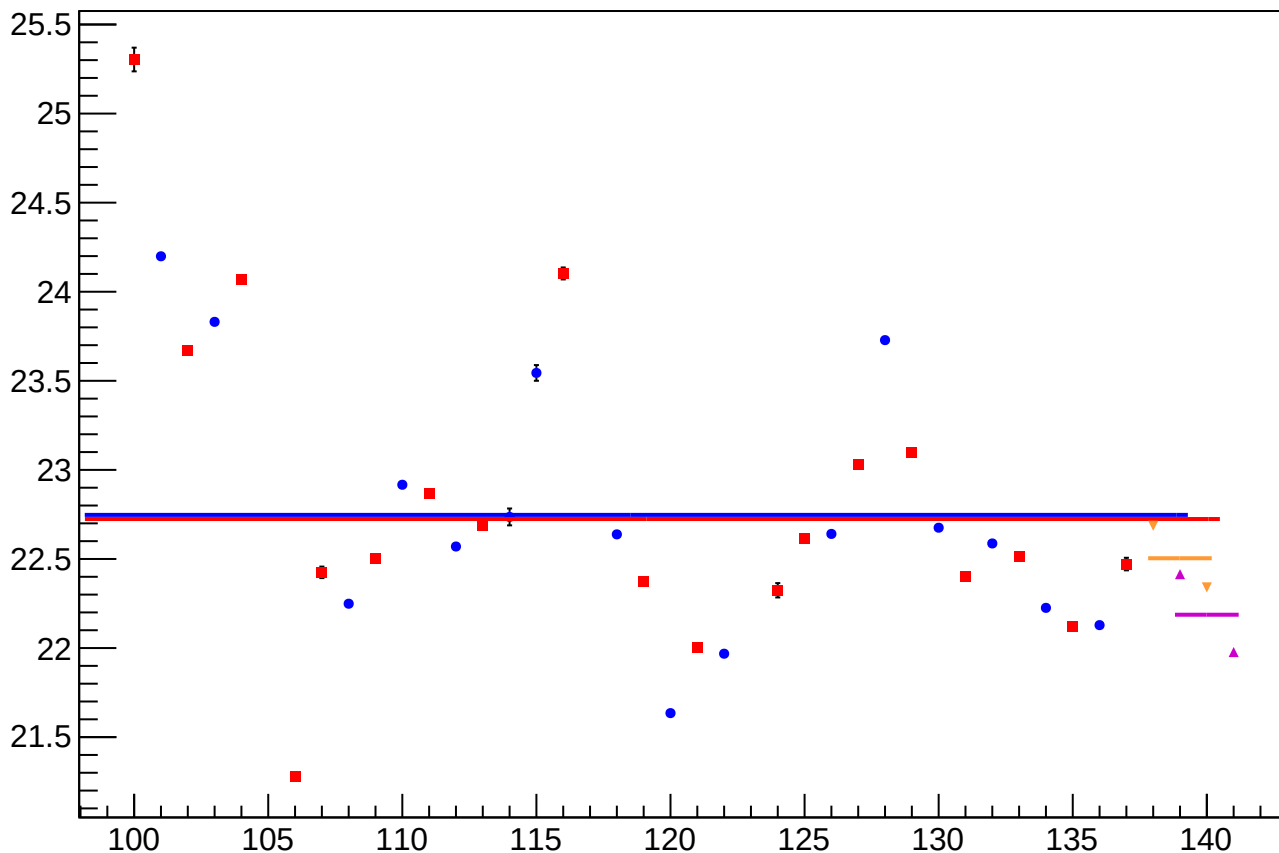
Left In: -9.404 ± 16.865 χ^2/NDF : 0.0/1

+ sign 5.335 ± 7.626 χ^2/NDF : 23.1/17

All: -6.776 ± 5.326 χ^2/NDF : 43.7/38

- sign -18.305 ± 7.441 χ^2/NDF : 15.7/20

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

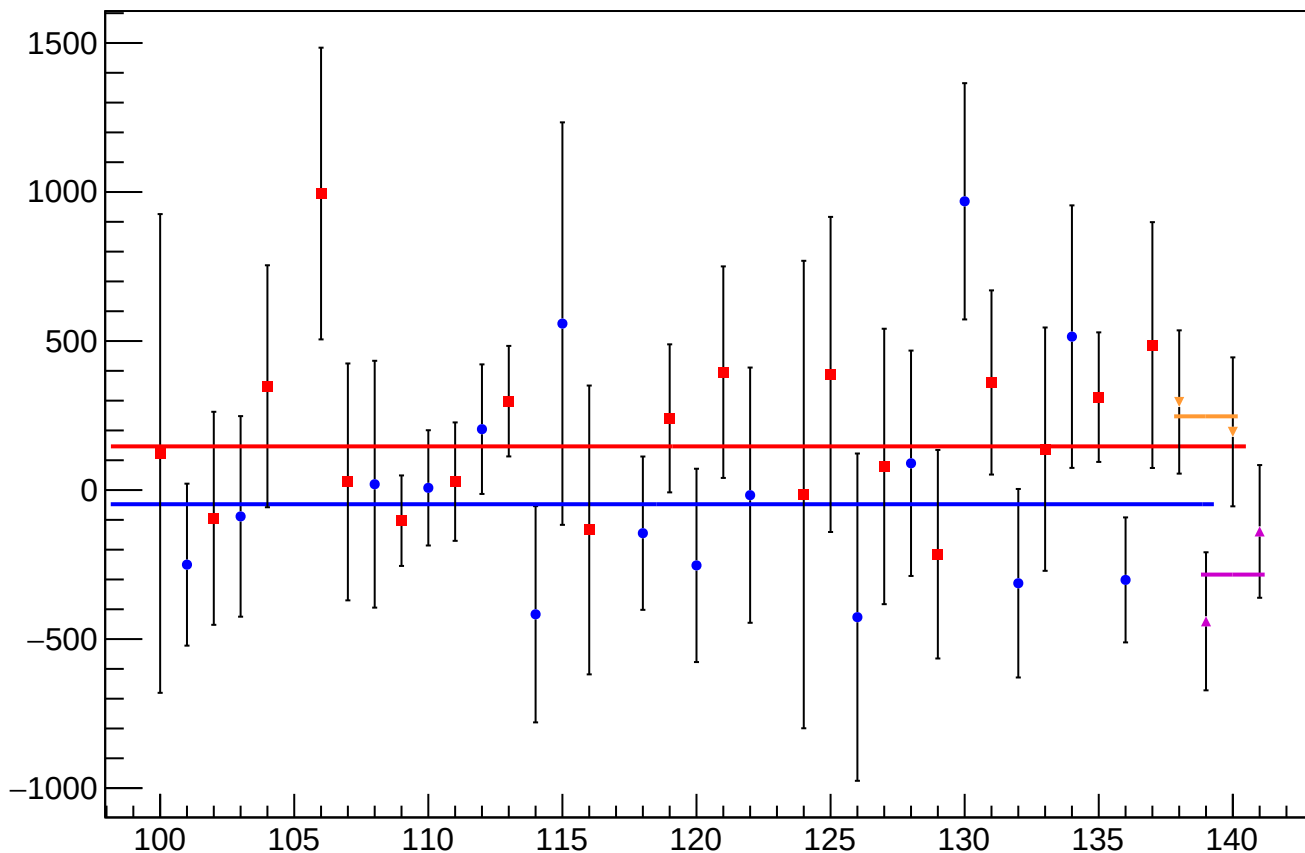
Left In: 22.187 $\pm$ 0.012 χ^2 /NDF:335.3/1

+ sign 22.702 $\pm$ 0.005 χ^2 /NDF: 15122.7/17

All: 22.660 $\pm$ 0.004 χ^2 /NDF: 31702.4/38

- sign 22.620 $\pm$ 0.005 χ^2 /NDF: 16459.9/20

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

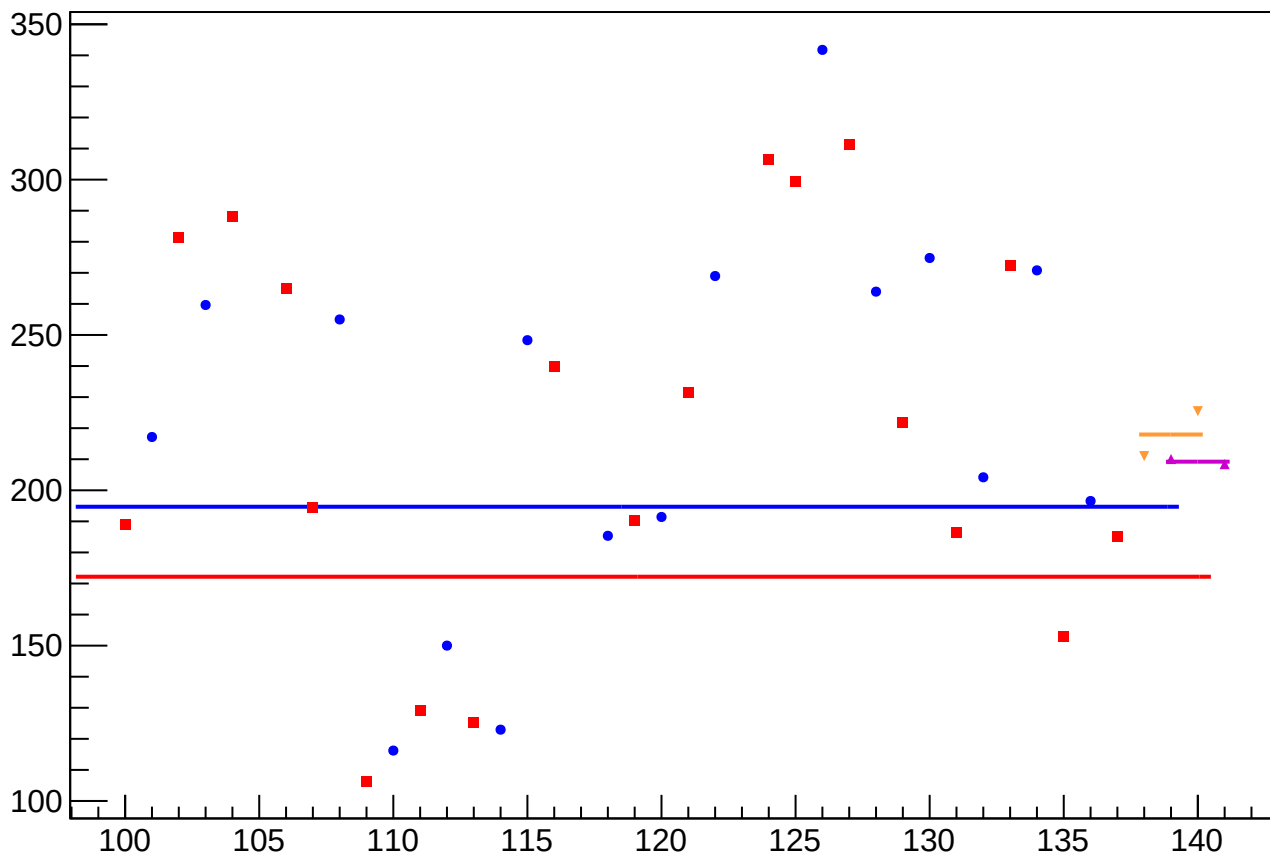
Left In: -283.621 ± 160.511 χ^2/NDF : 0.9/1

+ sign 0.669 ± 70.035 χ^2/NDF : 17.9/17

All: 44.821 ± 46.806 χ^2/NDF : 37.2/38

- sign 80.461 ± 62.923 χ^2/NDF : 18.5/20

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

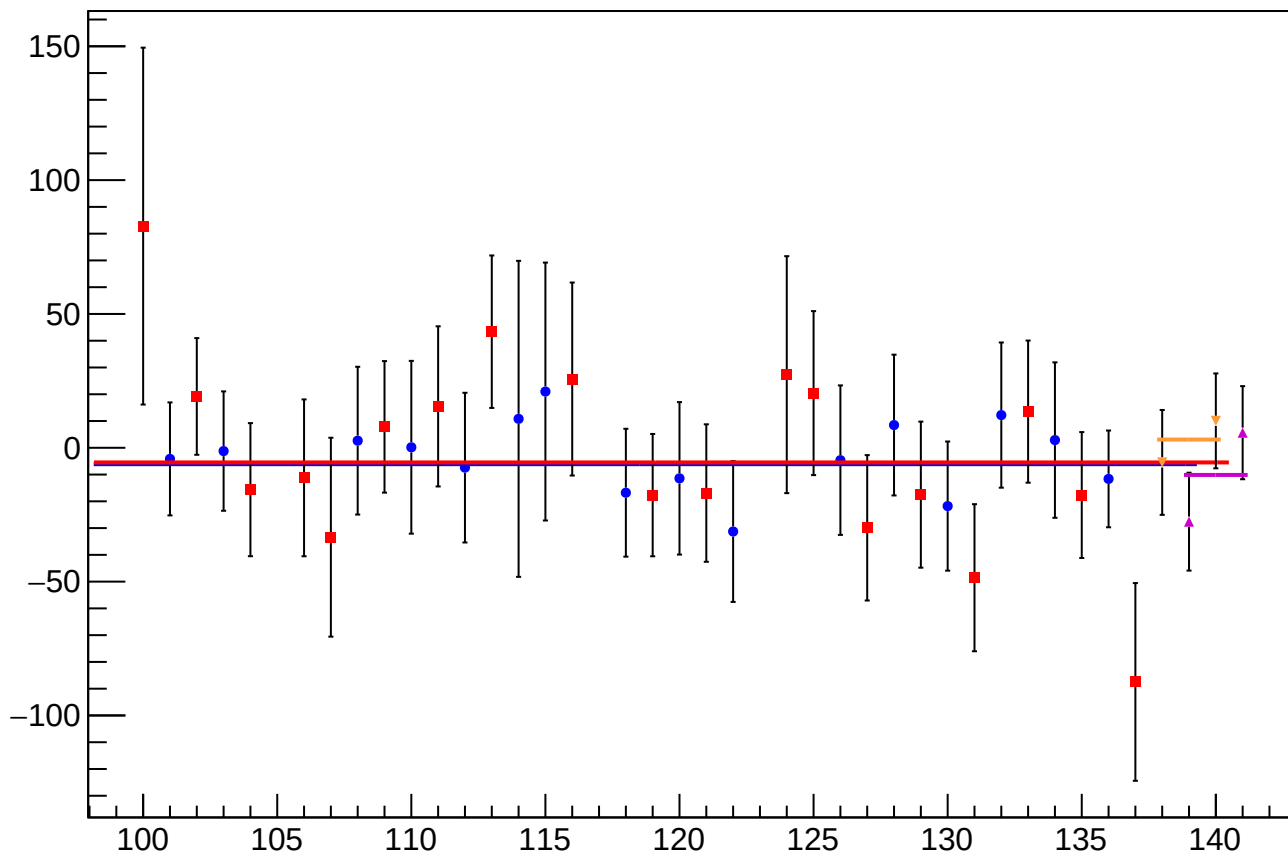
Left In: 209.217 $\pm$ 0.113 χ^2 /NDF:52.3/1

+ sign 198.507 $\pm$ 0.050 χ^2 /NDF: 1085899.0/17

All: 187.092 $\pm$ 0.033 χ^2 /NDF: 2943140.8/38

- sign 177.877 $\pm$ 0.044 χ^2 /NDF: 1761212.1/20

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

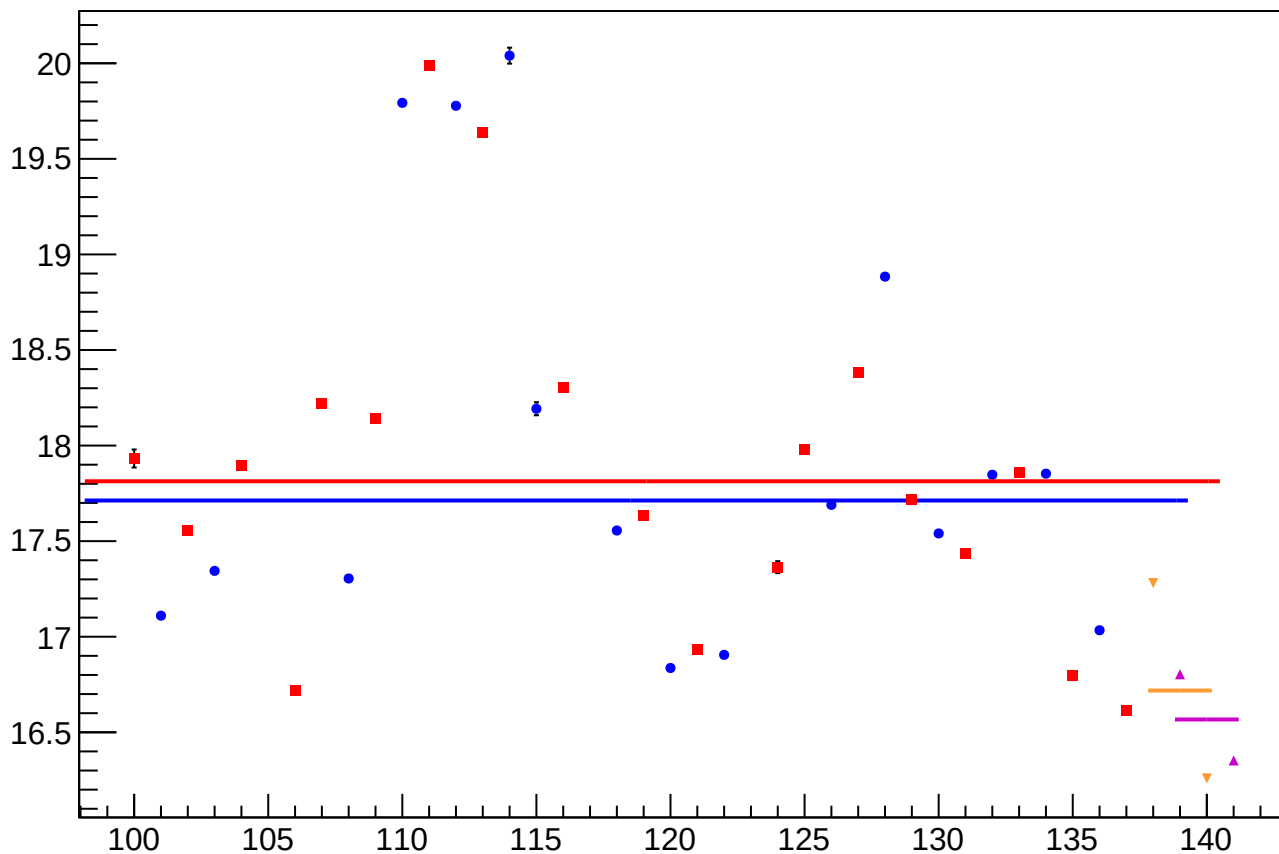
Left In: -10.143+/-12.602 χ^2 /NDF:1.7/1

+ sign -4.270+/-5.892 χ^2 /NDF: 3.9/17

All: -5.383+/-4.127 χ^2 /NDF: 25.0/38

- sign -6.454+/-5.783 χ^2 /NDF: 21.0/20

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

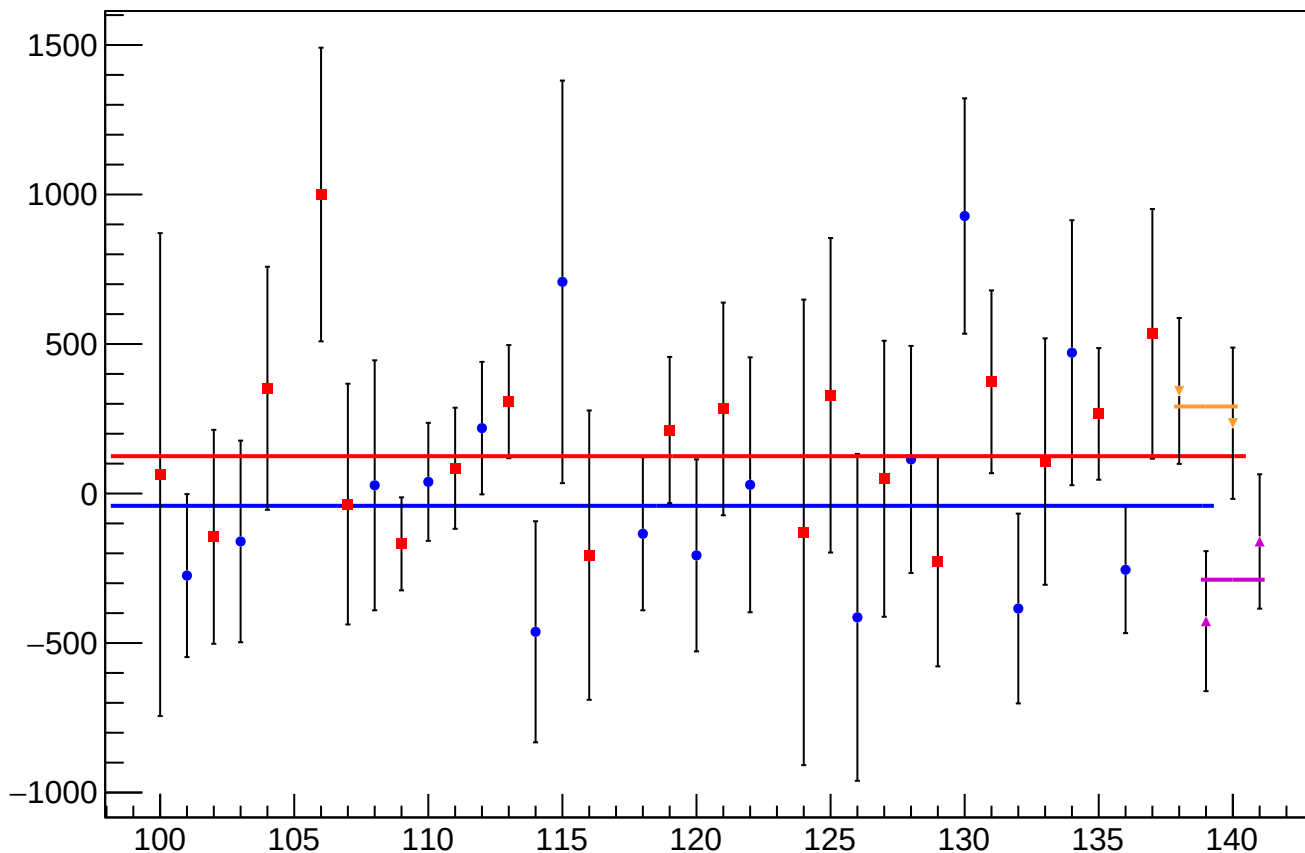
Left In: 16.567 $\pm$ 0.009 χ^2 /NDF: 638.7/1

+ sign 17.513 $\pm$ 0.004 χ^2 /NDF: 48124.6/17

All: 17.532 $\pm$ 0.003 χ^2 /NDF: 96959.0/38

- sign 17.551 $\pm$ 0.004 χ^2 /NDF: 48791.8/20

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

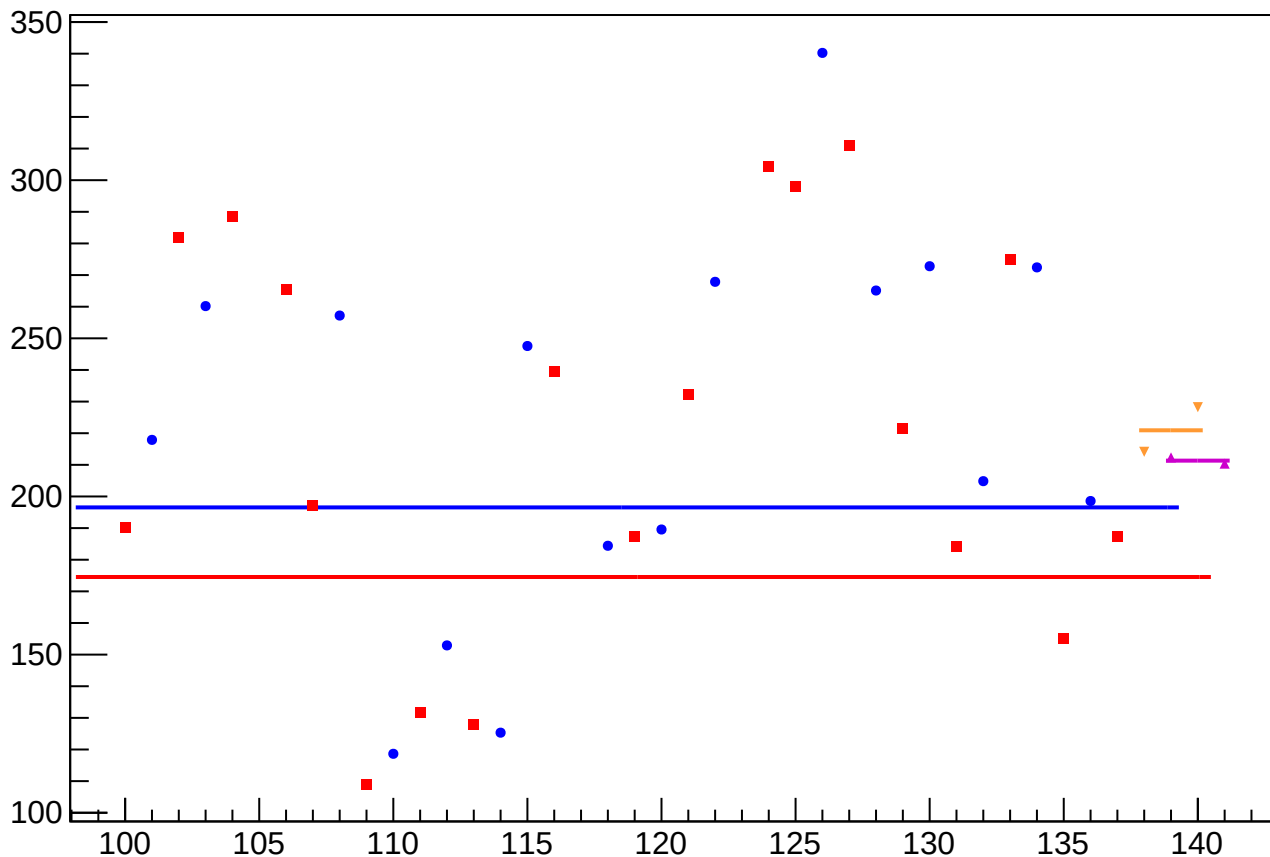
Left In: -288.142 ± 162.116 χ^2/NDF : 0.7/1

+ sign 12.636 ± 70.623 χ^2/NDF : 18.7/17

All: 39.551 ± 47.249 χ^2/NDF : 38.0/38

- sign 61.359 ± 63.573 χ^2/NDF : 19.0/20

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542 $\pm$ 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

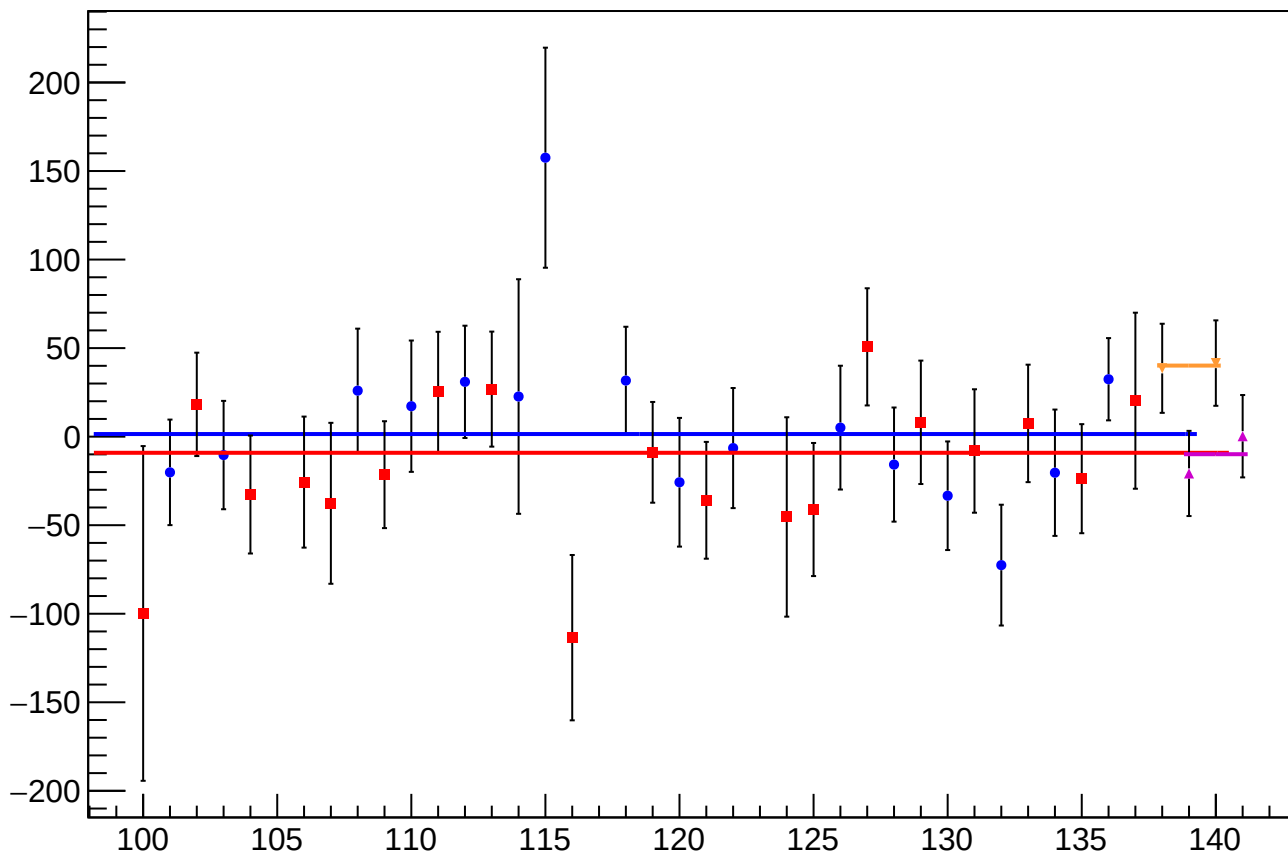
Left In: 211.330 $\pm$ 0.115 χ^2 /NDF: 73.6/1

+ sign 200.487 $\pm$ 0.050 χ^2 /NDF: 1036314.1/17

All: 189.279 $\pm$ 0.033 χ^2 /NDF: 2803457.0/38

- sign 180.197 $\pm$ 0.045 χ^2 /NDF: 1675959.1/20

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

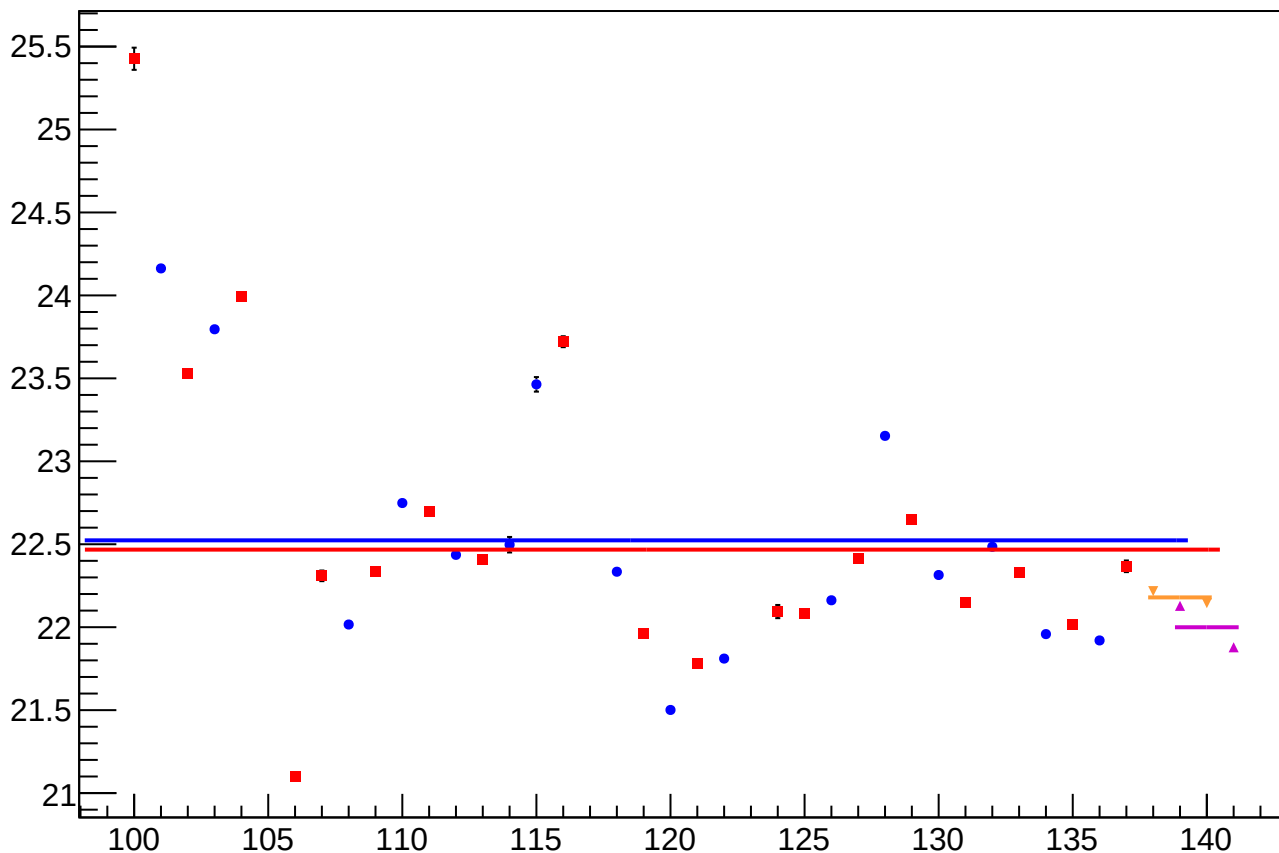
Left In: -9.911 ± 16.721 χ^2/NDF : 0.4/1

+ sign 8.732 ± 7.544 χ^2/NDF : 22.7/17

All: -0.489 ± 5.268 χ^2/NDF : 42.5/38

- sign -9.268 ± 7.361 χ^2/NDF : 16.9/20

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

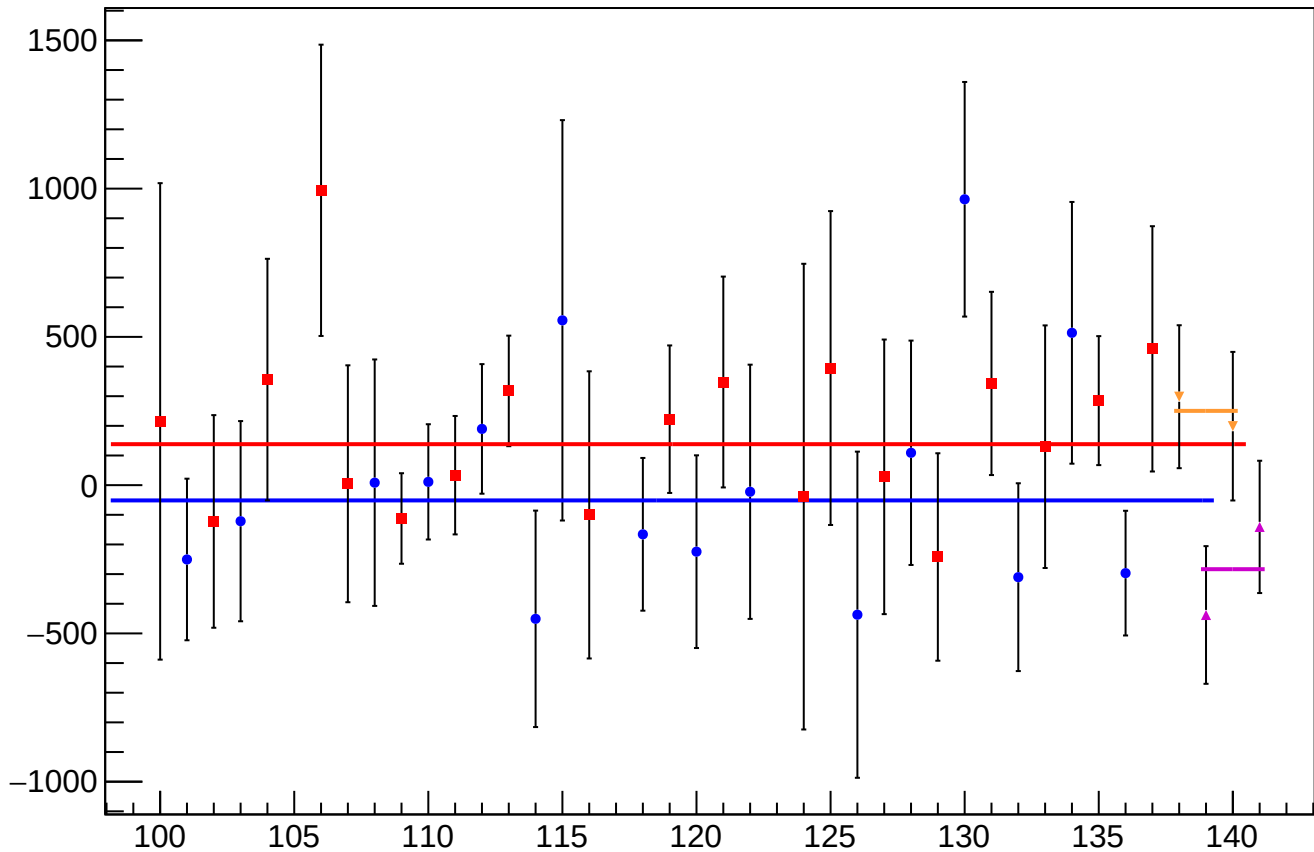
Left In: 22.000 $\pm$ 0.012 χ^2 /NDF: 111.4/1

+ sign 22.459 $\pm$ 0.005 χ^2 /NDF: 16590.5/17

All: 22.417 $\pm$ 0.004 χ^2 /NDF: 33712.7/38

- sign 22.377 $\pm$ 0.005 χ^2 /NDF: 17000.8/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -51.492 ± 76.798 $\chi^2/\text{NDF}: 15.3/15$

Left Out: 250.473 ± 173.705 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 138.184 ± 68.625 $\chi^2/\text{NDF}: 11.6/18$

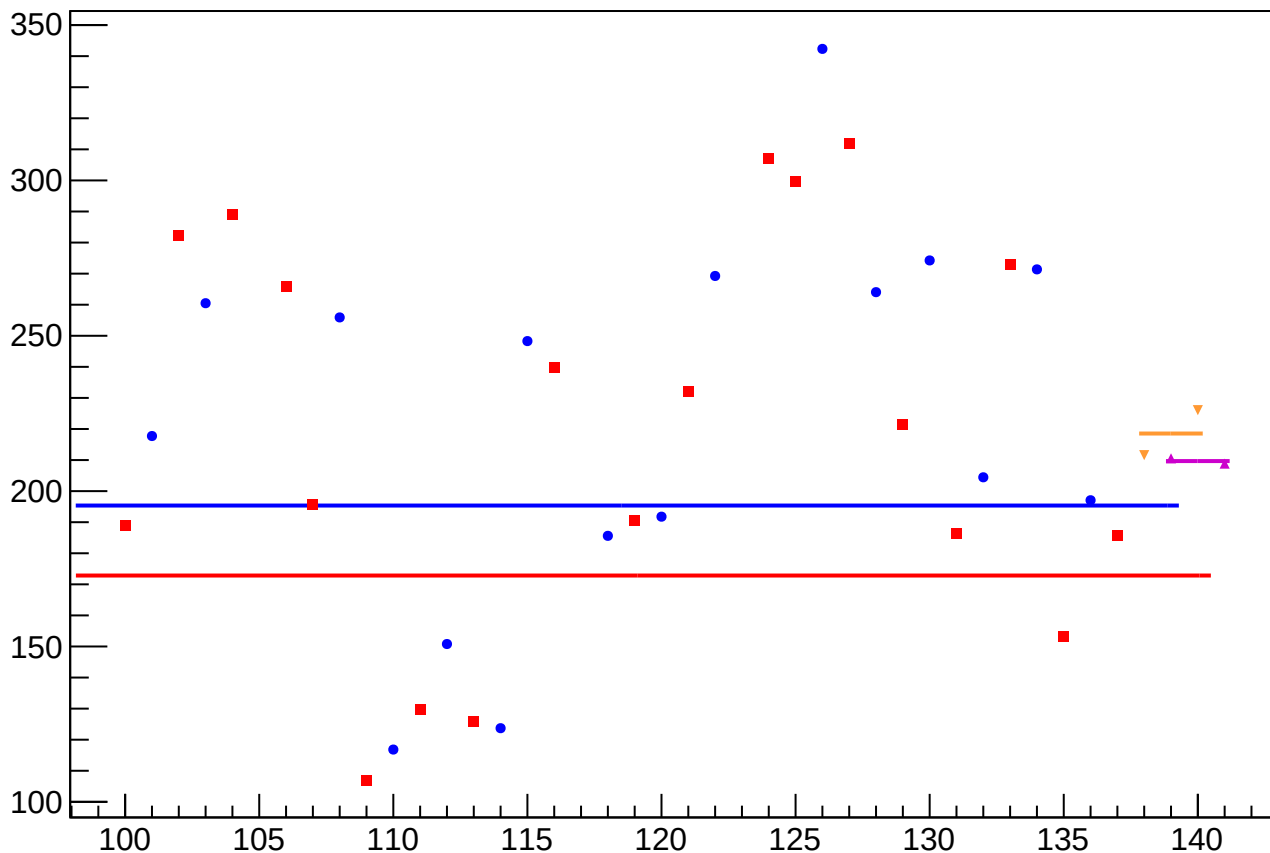
Left In: -283.409 ± 160.860 $\chi^2/\text{NDF}: 0.9/1$

+ sign -2.118 ± 70.239 $\chi^2/\text{NDF}: 18.0/17$

All: 39.588 ± 46.949 $\chi^2/\text{NDF}: 36.9/38$

- sign 73.270 ± 63.121 $\chi^2/\text{NDF}: 18.3/20$

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

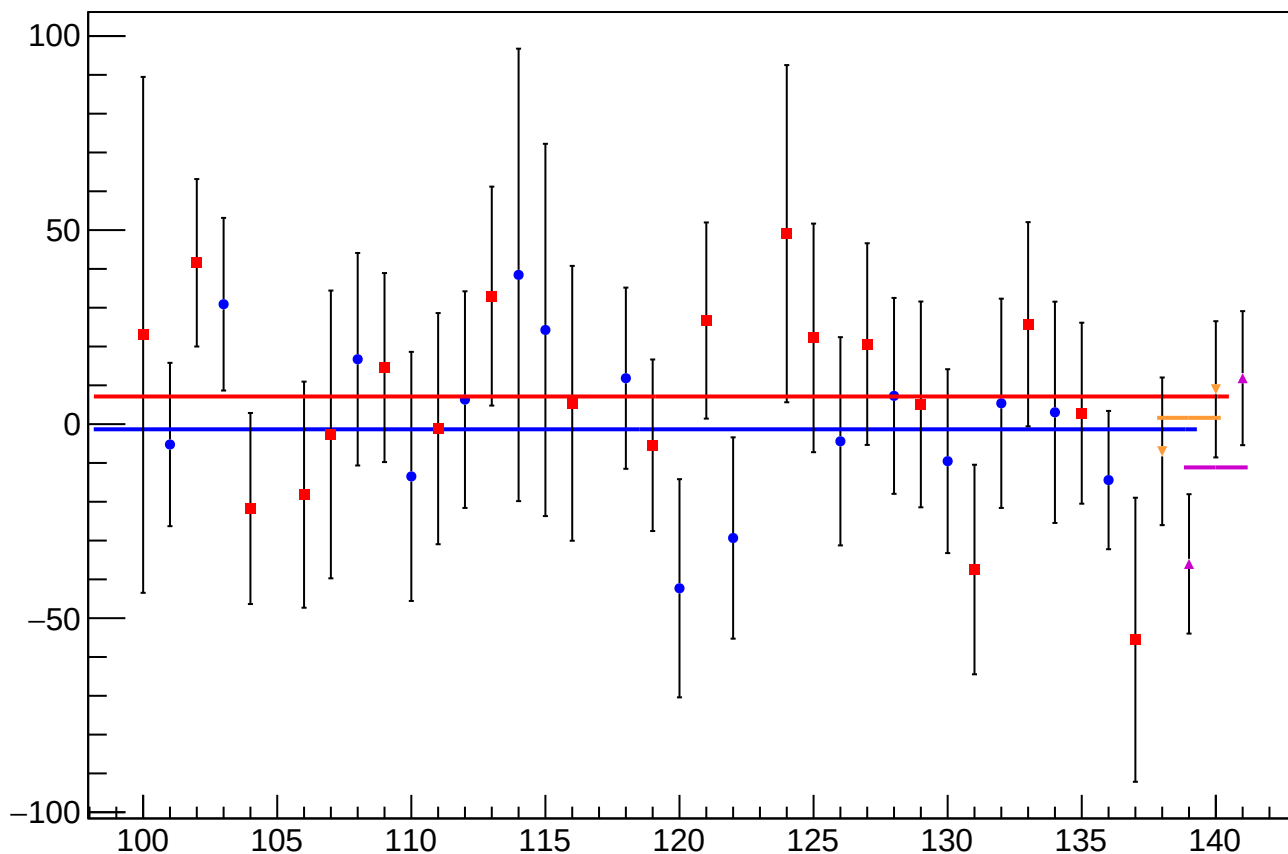
Left In: 209.674 $\pm$ 0.114 χ^2/NDF : 56.0/1

+ sign 199.151 $\pm$ 0.050 χ^2/NDF : 1074686.7/17

All: 187.731 $\pm$ 0.033 χ^2/NDF : 2918463.4/38

- sign 178.509 $\pm$ 0.045 χ^2/NDF : 1748217.1/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.331 ± 6.499 $\chi^2/\text{NDF}: 8.0/15$

Left Out: 1.629 ± 12.899 $\chi^2/\text{NDF}: 0.4/1$

Right Out: 7.126 ± 6.402 $\chi^2/\text{NDF}: 14.4/18$

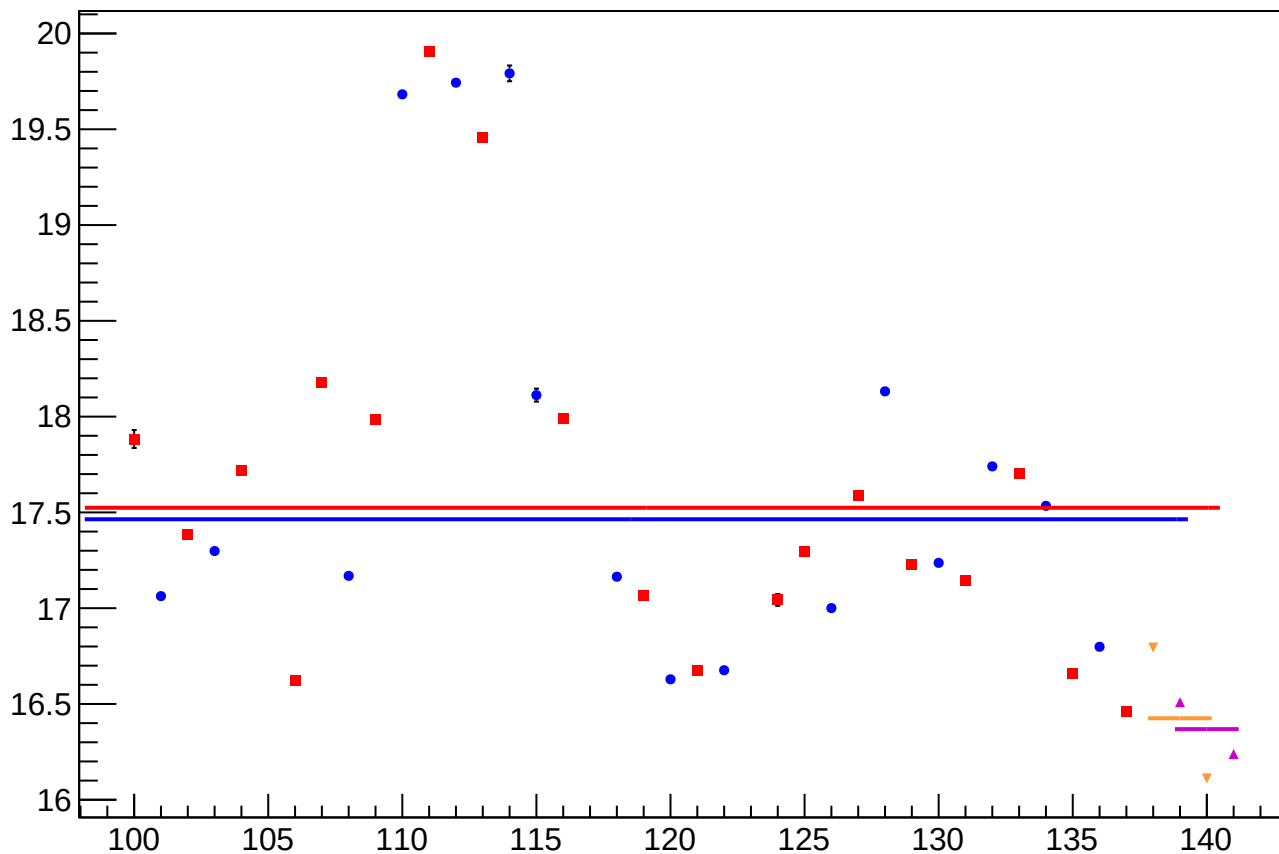
Left In: -11.147 ± 12.447 $\chi^2/\text{NDF}: 3.7/1$

+ sign -0.732 ± 5.804 $\chi^2/\text{NDF}: 8.4/17$

All: 1.325 ± 4.064 $\chi^2/\text{NDF}: 28.5/38$

- sign 3.304 ± 5.693 $\chi^2/\text{NDF}: 19.8/20$

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

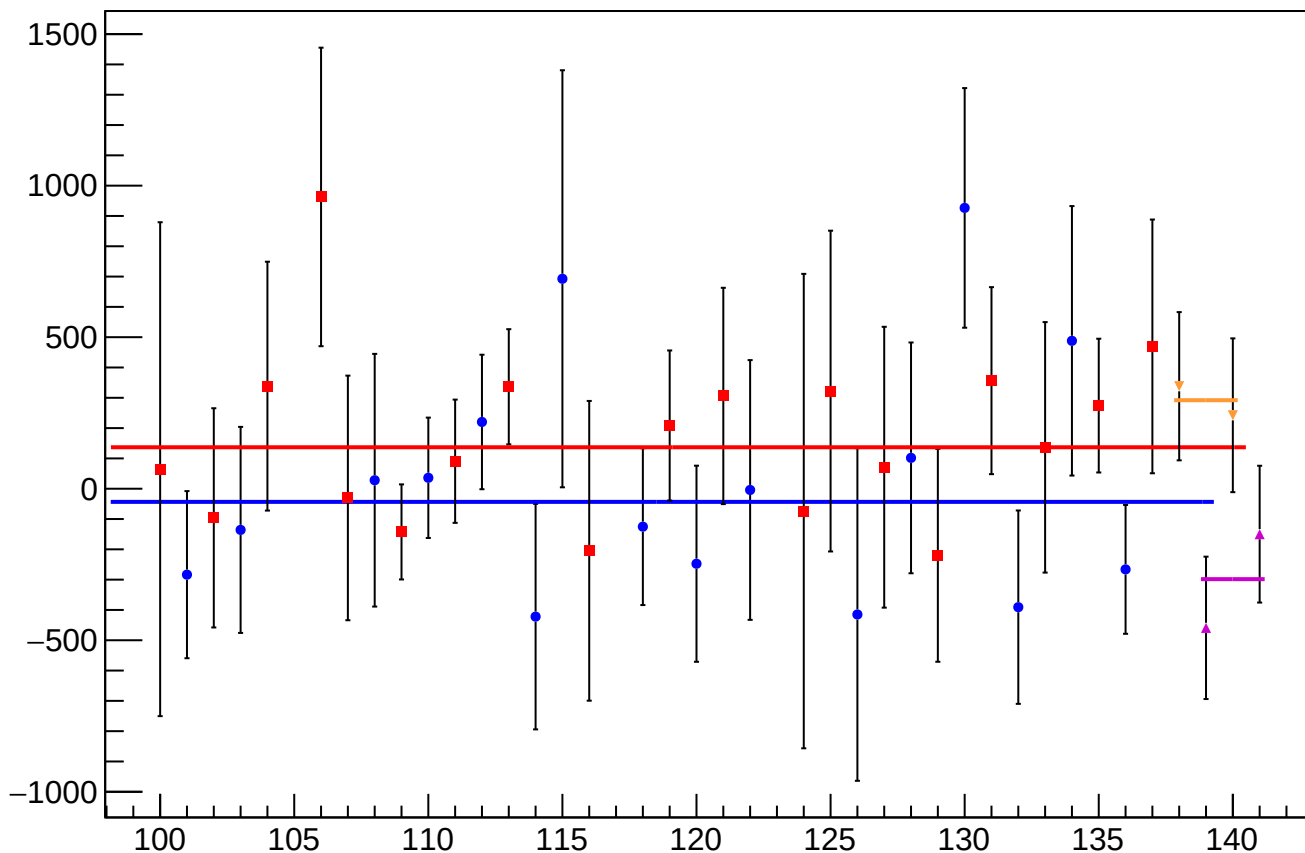
Left In: 16.369 $\pm$ 0.009 χ^2 /NDF: 235.5/1

+ sign 17.254 $\pm$ 0.004 χ^2 /NDF: 48386.6/17

All: 17.269 $\pm$ 0.003 χ^2 /NDF: 97006.3/38

- sign 17.283 $\pm$ 0.004 χ^2 /NDF: 48594.8/20

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

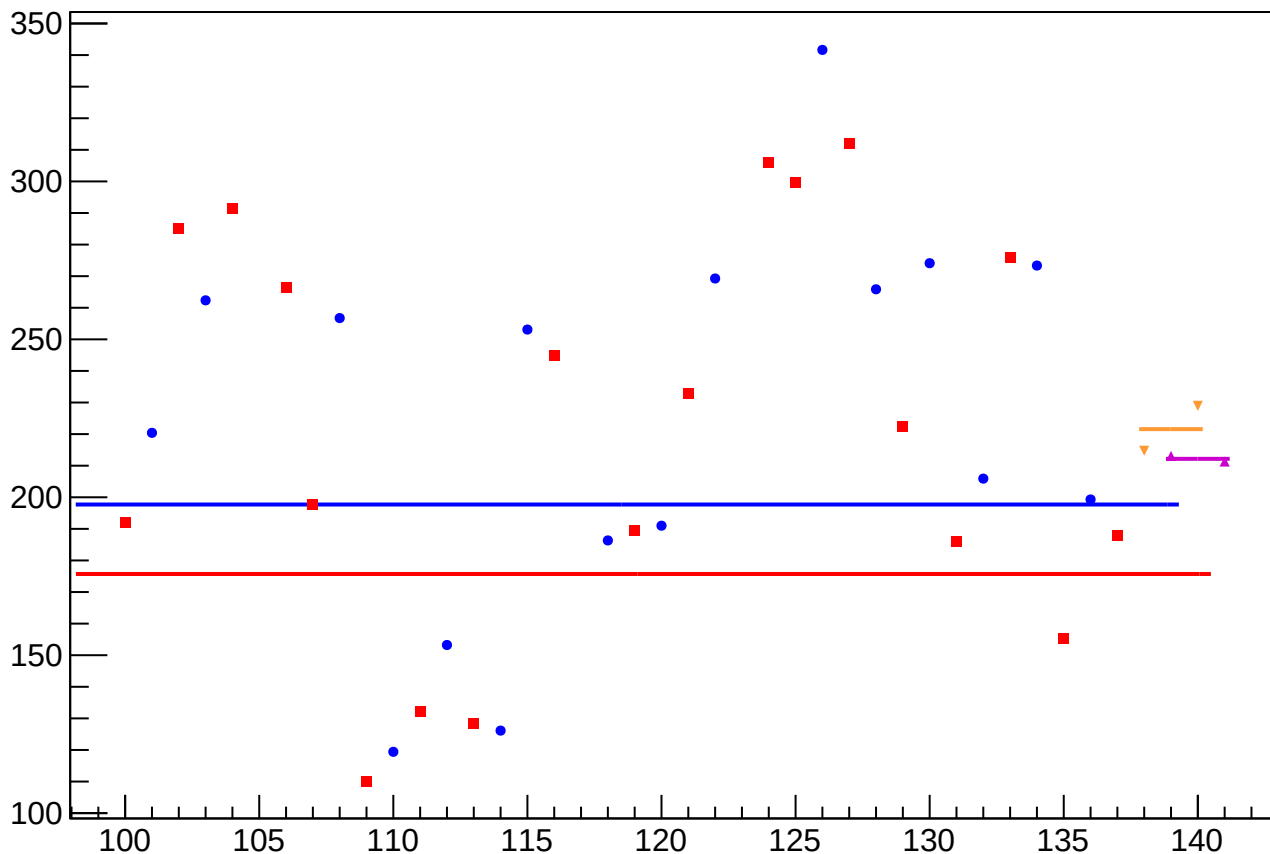
Left In: -298.354 ± 162.753 χ^2/NDF : 0.9/1

+ sign 11.142 ± 70.998 χ^2/NDF : 18.6/17

All: 43.398 ± 47.521 χ^2/NDF : 37.4/38

- sign 69.576 ± 63.960 χ^2/NDF : 18.5/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707 $\pm$ 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

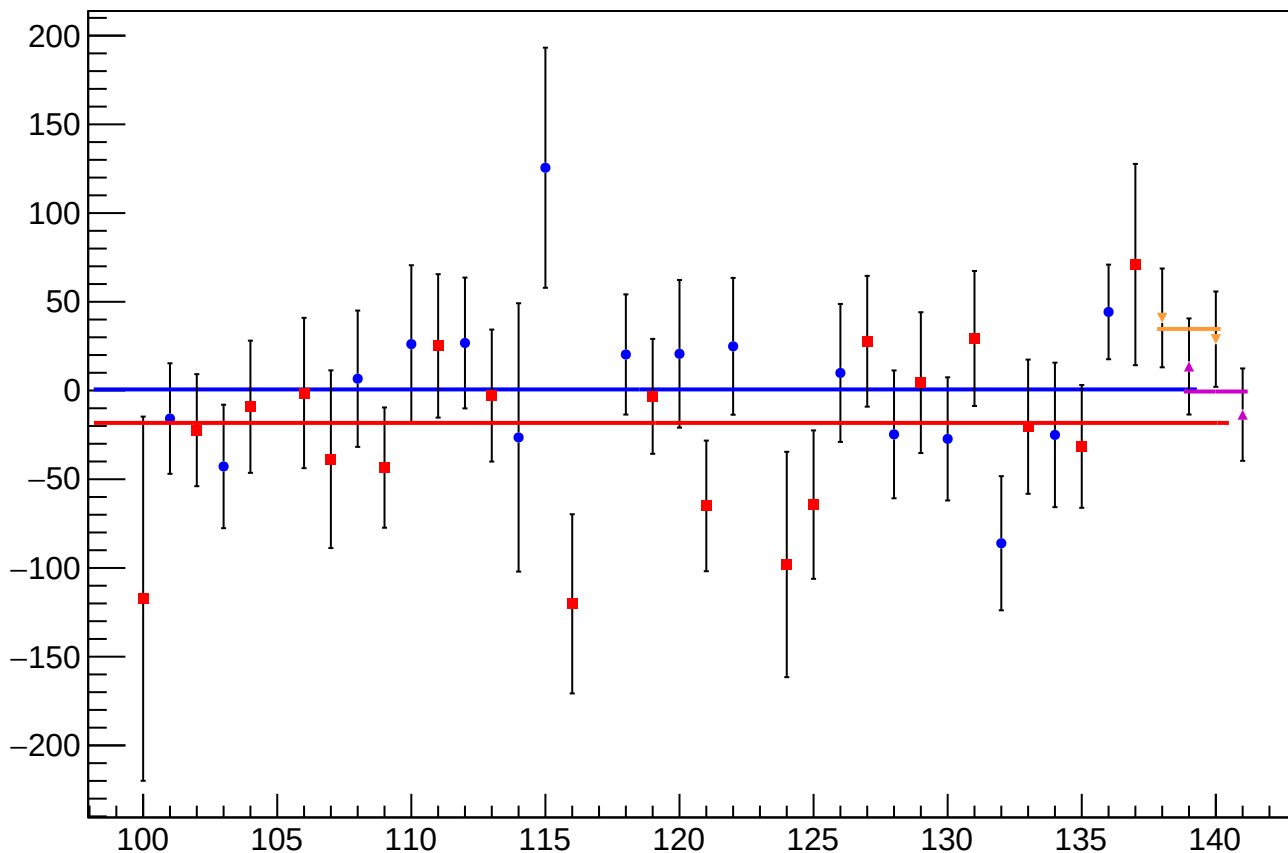
Left In: 212.169 $\pm$ 0.115 χ^2 /NDF:57.7/1

+ sign 201.587 $\pm$ 0.050 χ^2 /NDF: 1034354.7/17

All: 190.414 $\pm$ 0.034 χ^2 /NDF: 2799548.7/38

- sign 181.345 $\pm$ 0.045 χ^2 /NDF: 1675454.0/20

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

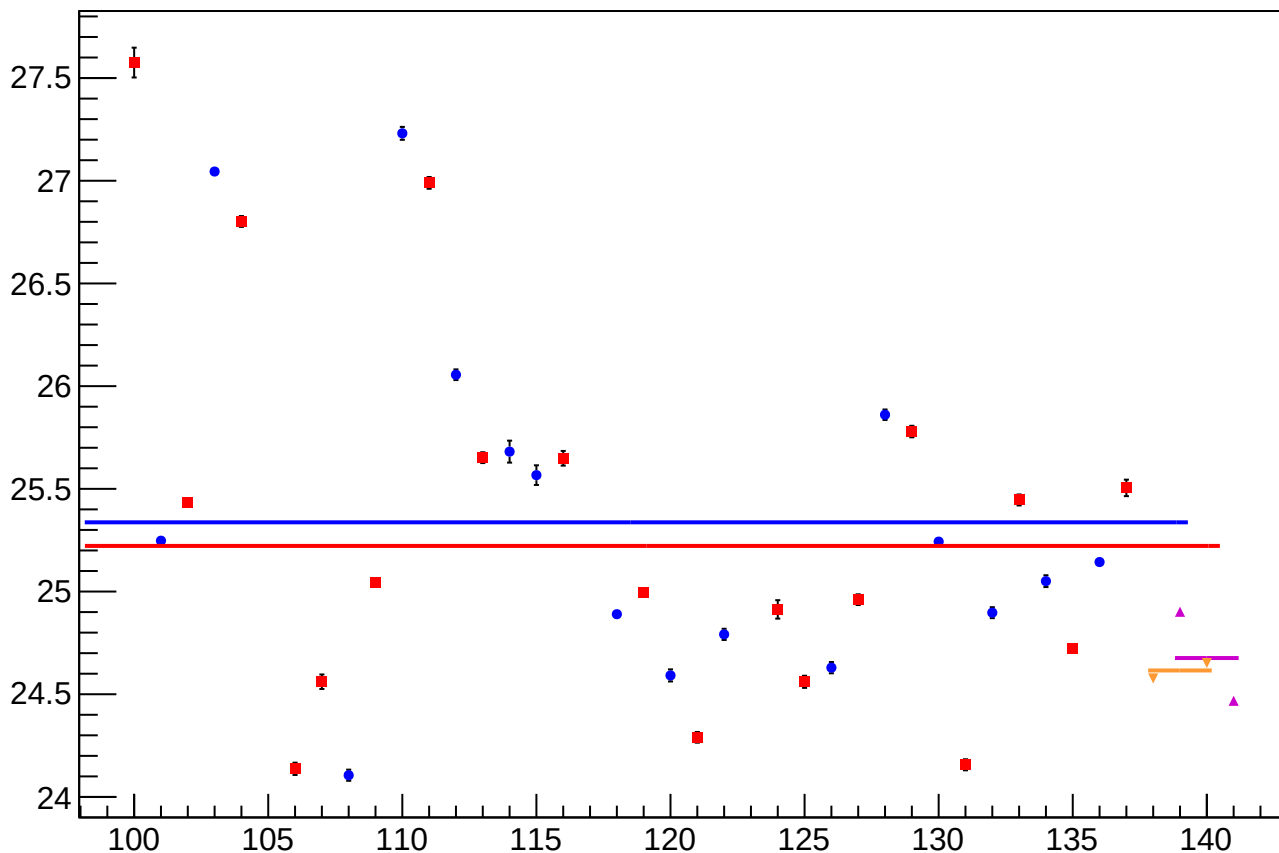
Left In: -0.557 ± 18.770 χ^2/NDF : 0.5/1

+ sign 7.163 ± 8.469 χ^2/NDF : 19.3/17

All: -4.092 ± 5.916 χ^2/NDF : 42.0/38

- sign -14.816 ± 8.267 χ^2/NDF : 19.2/20

asym_bcm_dg_us_bcm_dg_ds_agg_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: 25.222 $\pm$ 0.007 χ^2 /NDF: 15224.4/18

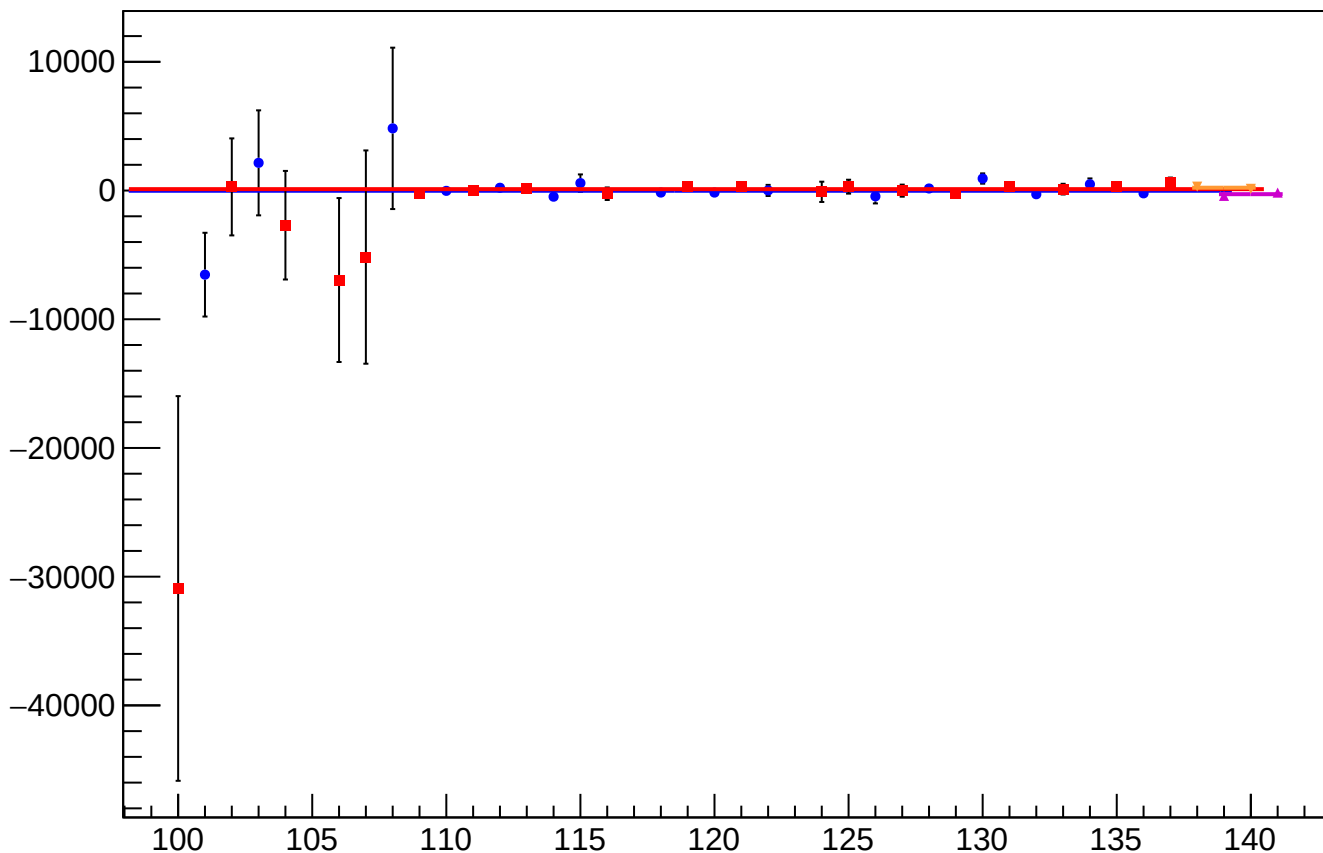
Left In: 24.676 $\pm$ 0.013 χ^2 /NDF: 266.3/1

+ sign 25.199 $\pm$ 0.006 χ^2 /NDF: 16571.7/17

All: 25.156 $\pm$ 0.004 χ^2 /NDF: 33522.4/38

- sign 25.116 $\pm$ 0.006 χ^2 /NDF: 16853.9/20

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

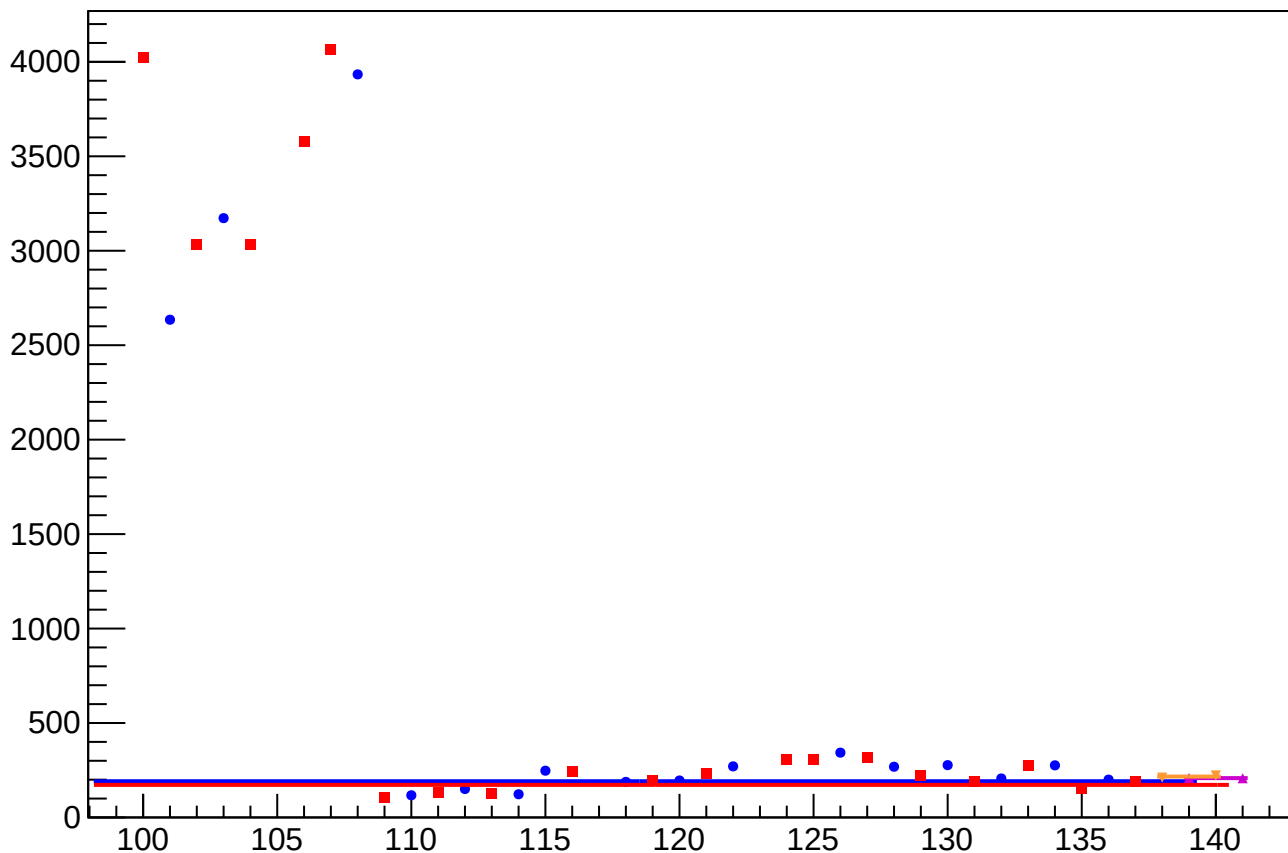
Left In: -282.019 ± 159.884 χ^2/NDF : 0.6/1

+ sign 30.459 ± 75.998 χ^2/NDF : 20.1/17

All: 32.118 ± 51.557 χ^2/NDF : 39.6/38

- sign 33.533 ± 70.174 χ^2/NDF : 19.5/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736 $\pm$ 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

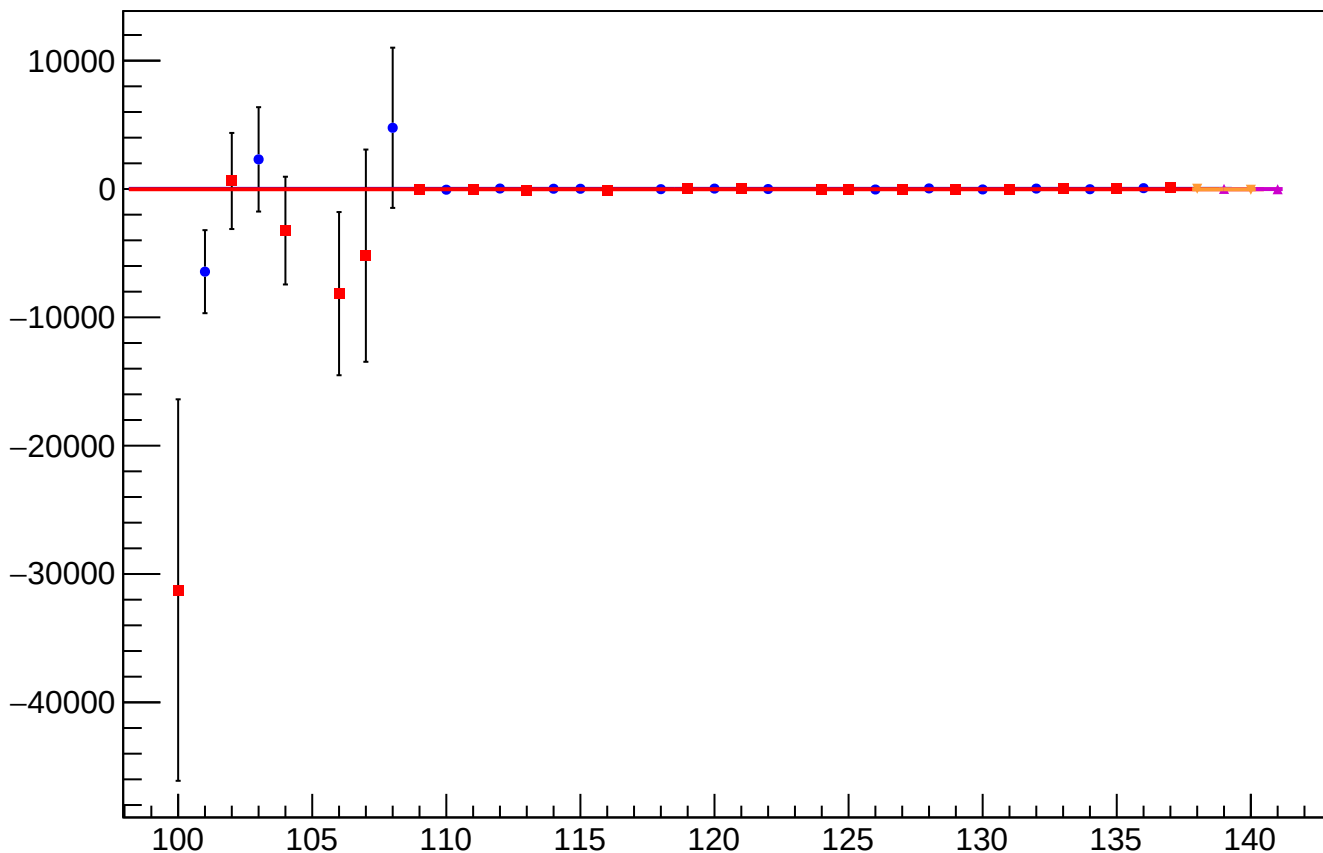
Left In: 208.243 $\pm$ 0.113 χ^2 /NDF:37.7/1

+ sign 196.561 $\pm$ 0.054 χ^2 /NDF: 3857308.1/17

All: 187.274 $\pm$ 0.036 χ^2 /NDF: 8296684.2/38

- sign 179.355 $\pm$ 0.050 χ^2 /NDF: 4384039.1/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576 ± 11.685 $\chi^2/\text{NDF}: 16.0/15$

Left Out: -21.535 ± 22.135 $\chi^2/\text{NDF}: 3.3/1$

Right Out: -18.105 ± 11.805 $\chi^2/\text{NDF}: 24.8/18$

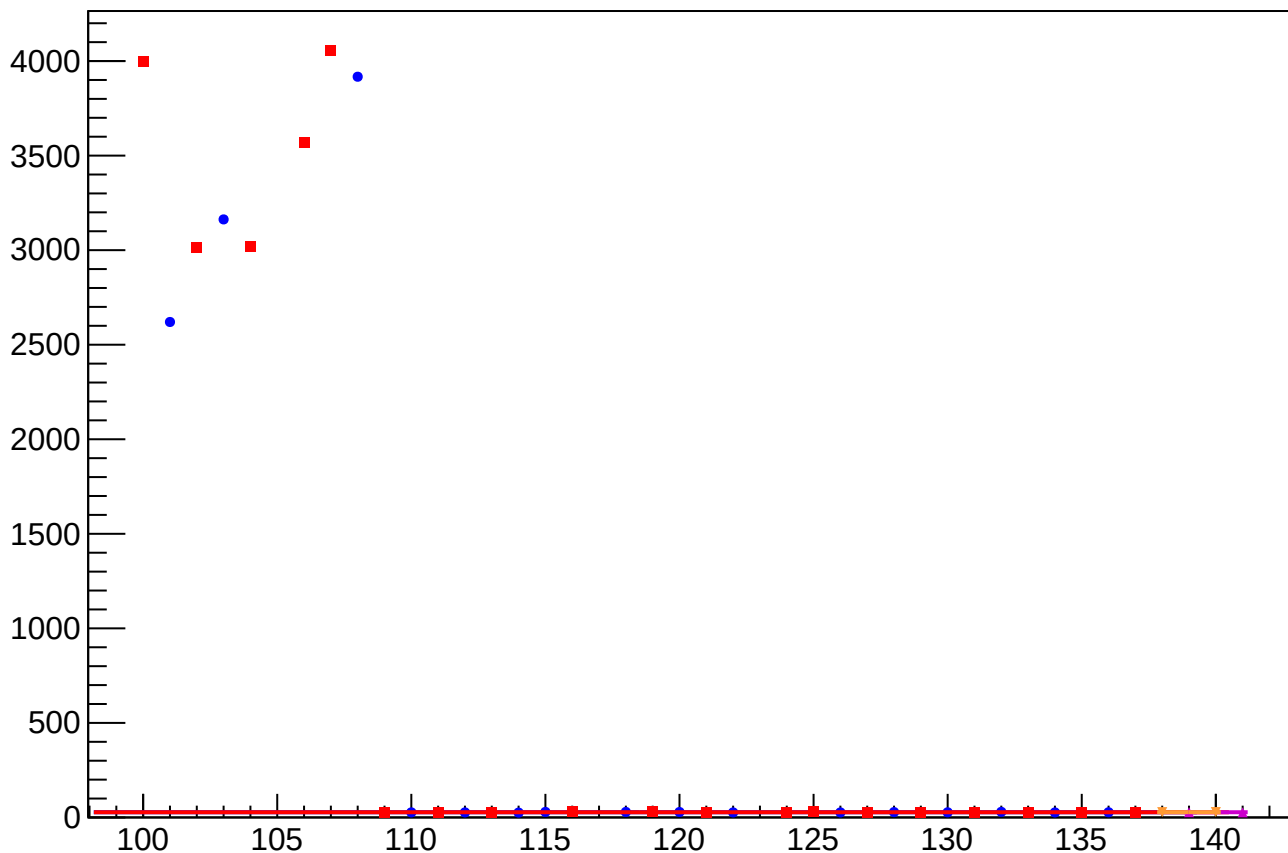
Left In: -4.630 ± 21.012 $\chi^2/\text{NDF}: 0.4/1$

+ sign 2.796 ± 10.333 $\chi^2/\text{NDF}: 20.8/17$

All: -6.074 ± 7.292 $\chi^2/\text{NDF}: 47.7/38$

- sign -14.872 ± 10.292 $\chi^2/\text{NDF}: 25.5/20$

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

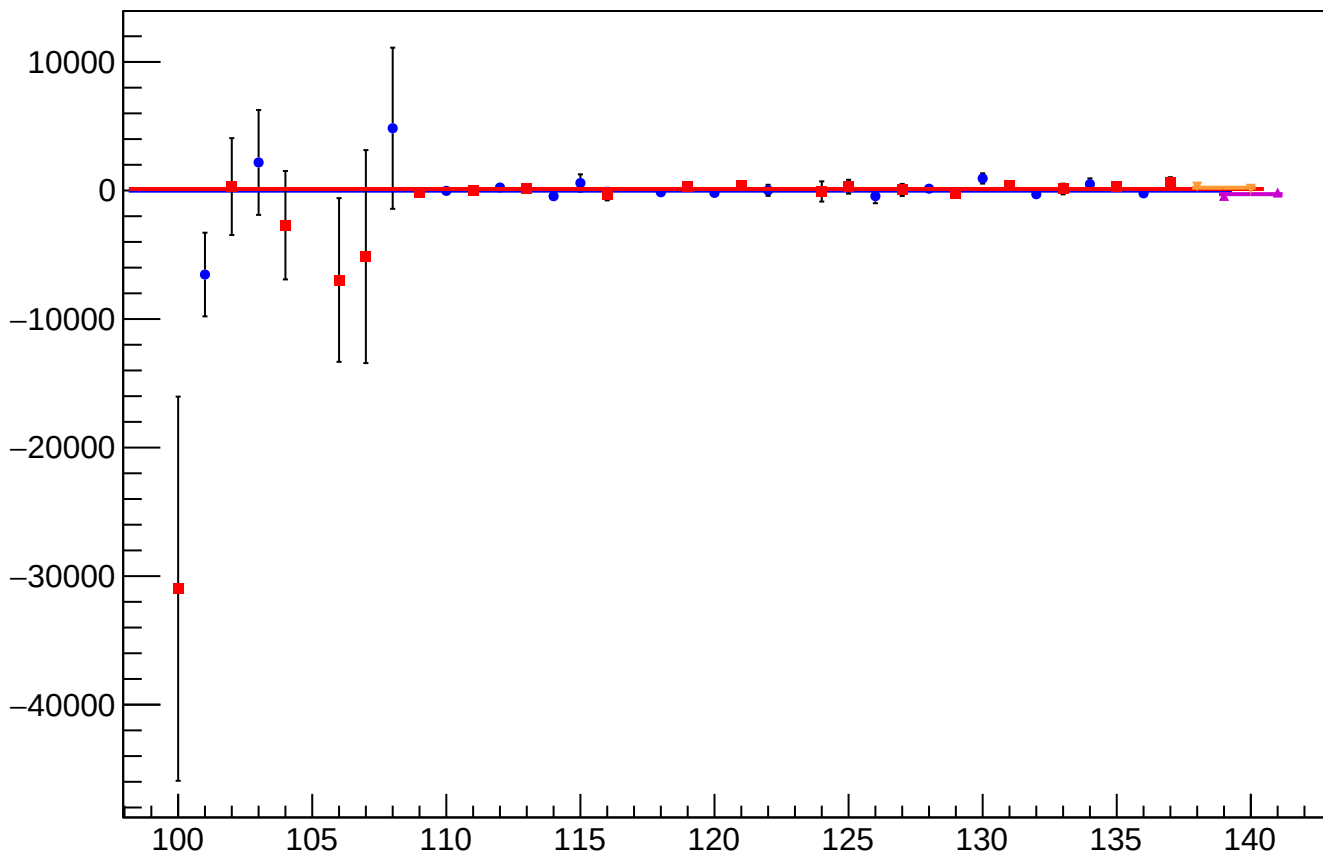
Left In: 27.574 $\pm$ 0.015 χ^2 /NDF: 722.4/1

+ sign 27.737 $\pm$ 0.007 χ^2 /NDF: 3266271.7/17

All: 27.640 $\pm$ 0.005 χ^2 /NDF: 6822579.0/38

- sign 27.544 $\pm$ 0.007 χ^2 /NDF: 3555957.0/20

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

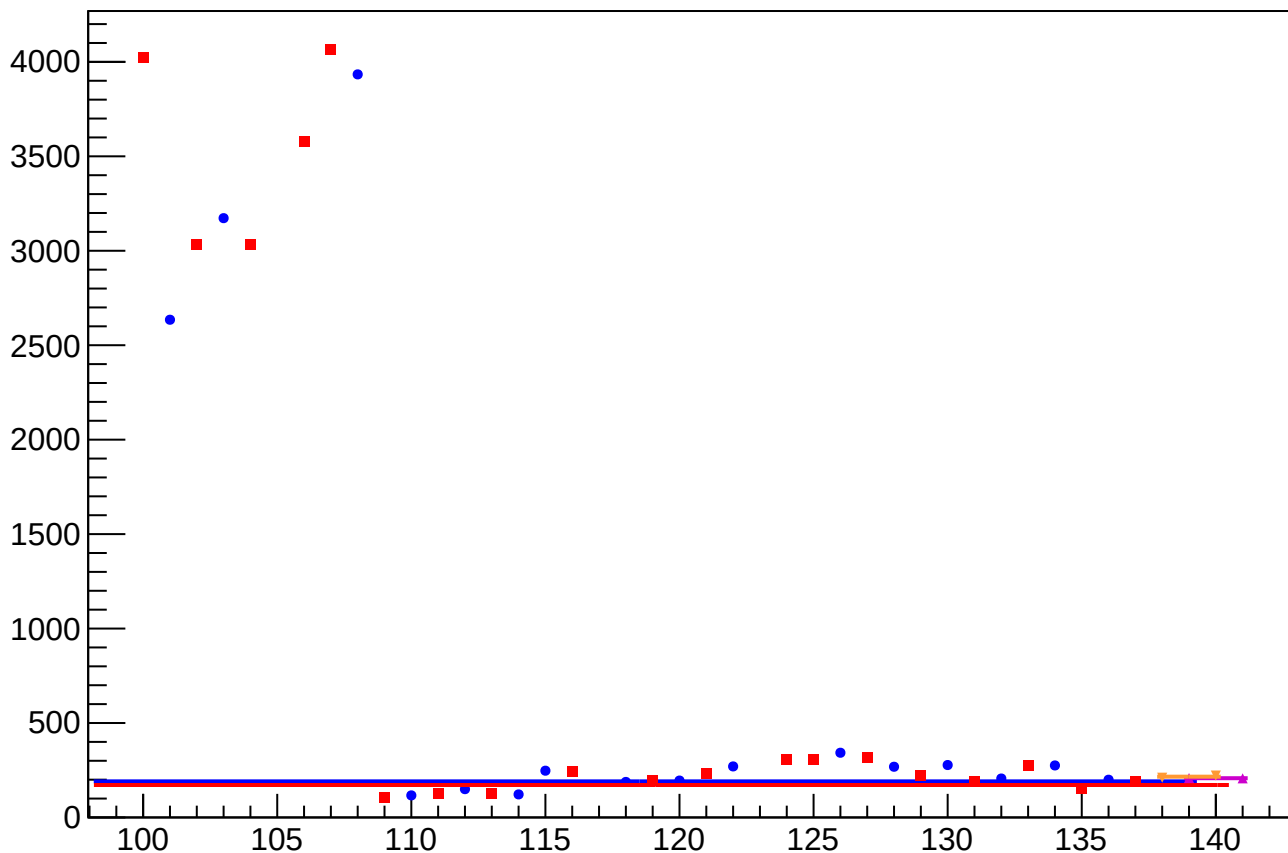
Left In: -282.328 ± 159.537 χ^2/NDF : 0.7/1

+ sign 31.733 ± 75.780 χ^2/NDF : 20.0/17

All: 36.756 ± 51.409 χ^2/NDF : 40.2/38

- sign 41.039 ± 69.973 χ^2/NDF : 20.2/20

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

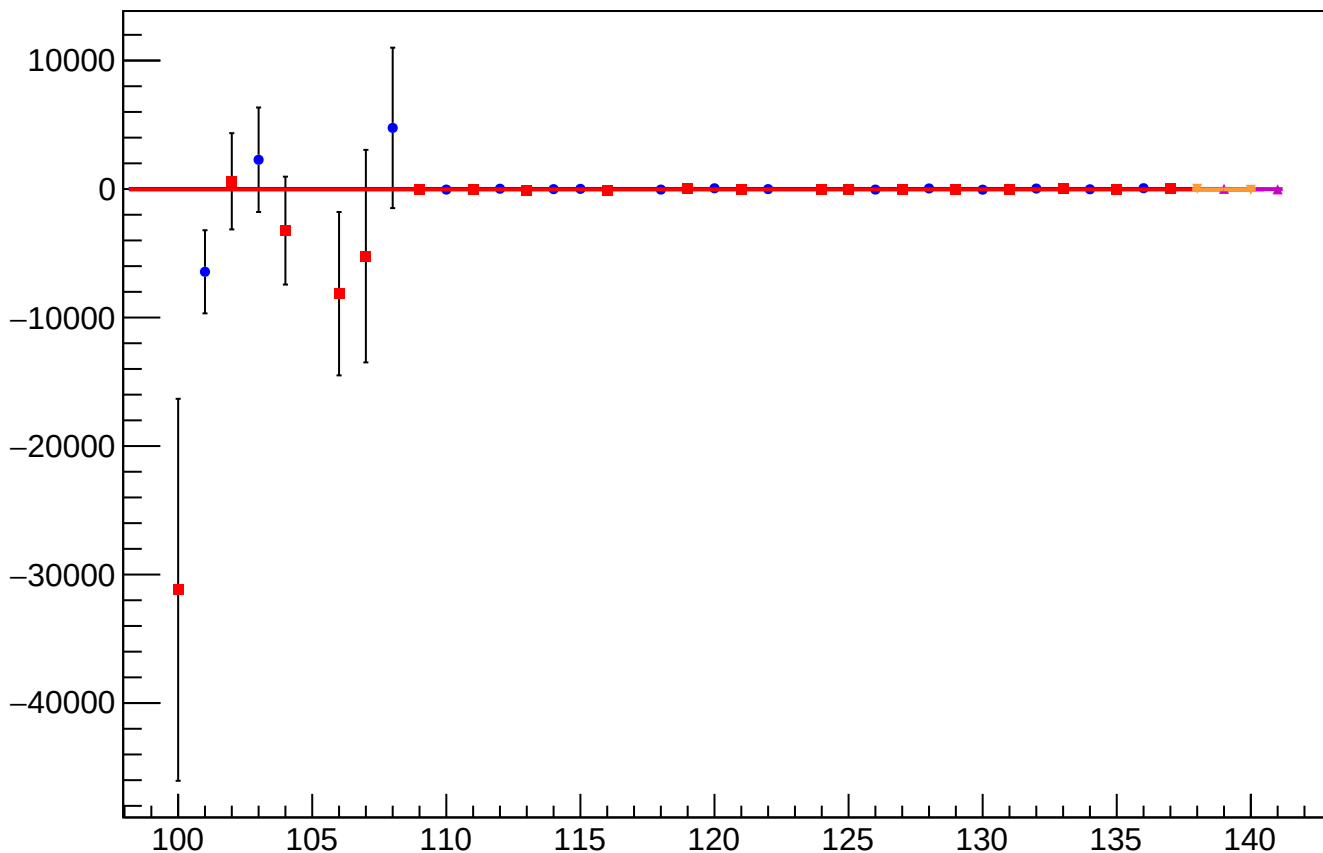
Left In: 207.790 $\pm$ 0.113 χ^2 /NDF:34.7/1

+ sign 195.911 $\pm$ 0.054 χ^2 /NDF: 3869878.9/17

All: 186.649 $\pm$ 0.036 χ^2 /NDF: 8322028.3/38

- sign 178.752 $\pm$ 0.049 χ^2 /NDF: 4396799.8/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490 ± 11.764 χ^2/NDF : 18.3/15

Left Out: -21.073 ± 22.251 χ^2/NDF : 3.2/1

Right Out: -30.962 ± 11.902 χ^2/NDF : 19.9/18

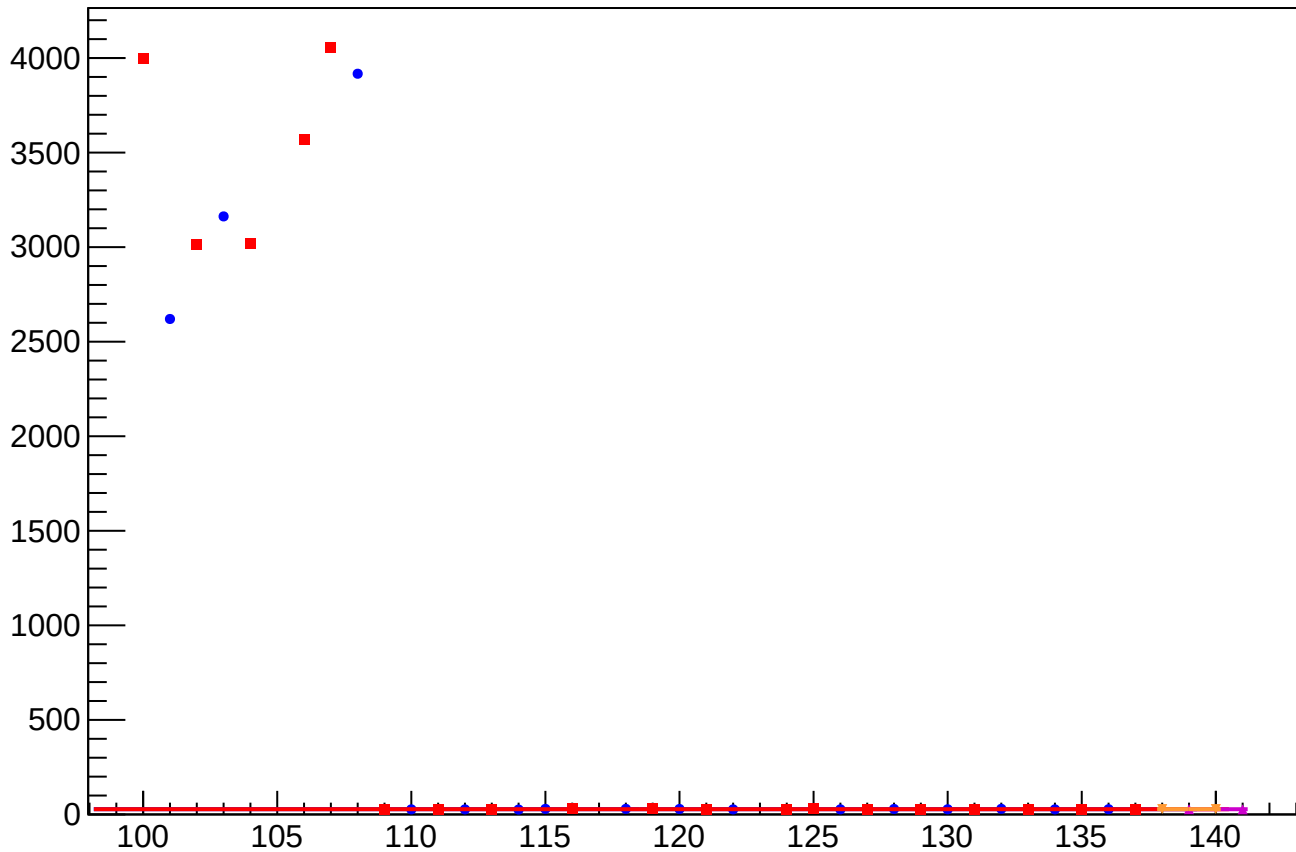
Left In: -5.222 ± 21.079 χ^2/NDF : 0.9/1

+ sign 0.468 ± 10.400 χ^2/NDF : 22.7/17

All: -12.180 ± 7.341 χ^2/NDF : 47.5/38

- sign -24.740 ± 10.364 χ^2/NDF : 21.9/20

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

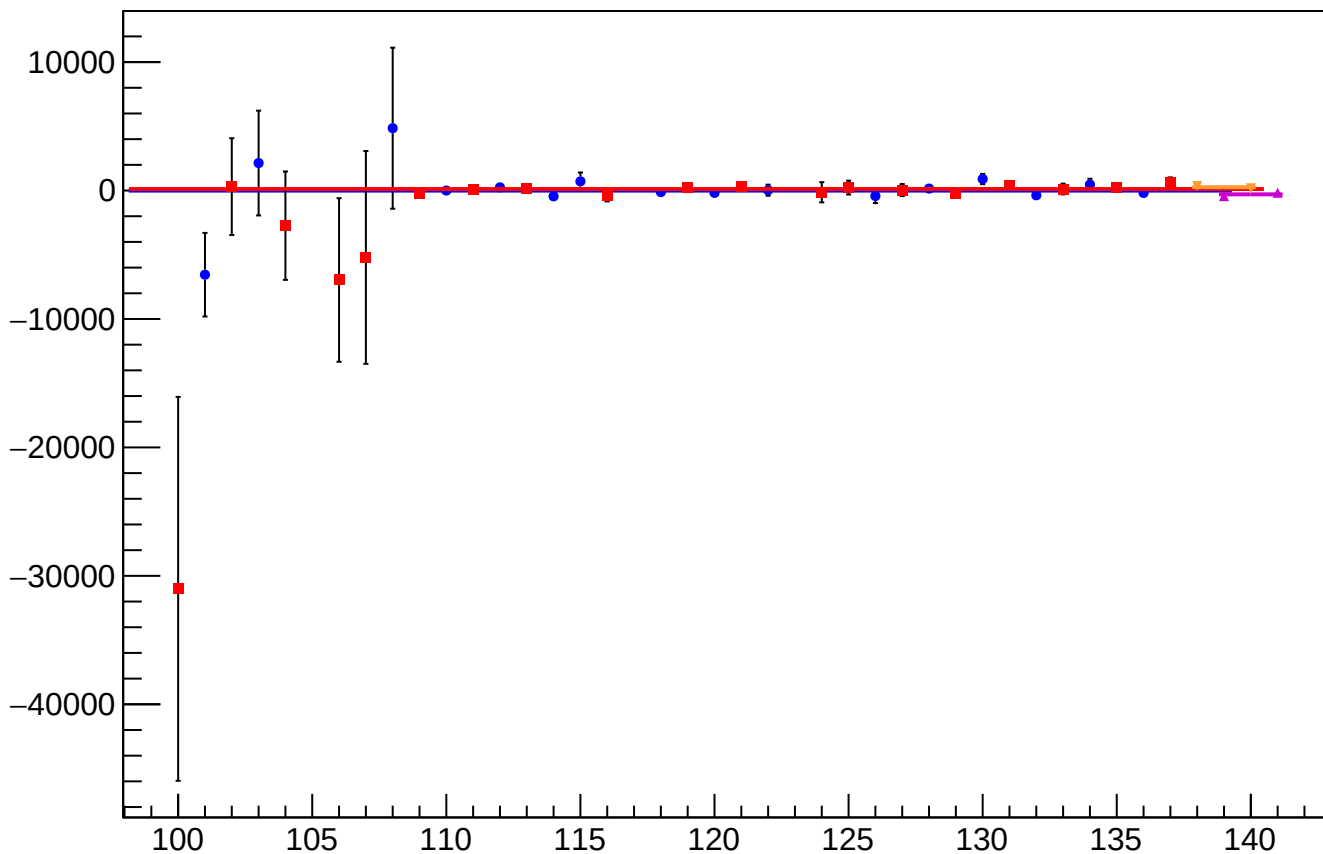
Left In: 27.662+/-0.015 χ^2/NDF : 913.0/1

+ sign 27.913+/-0.007 χ^2/NDF : 3266416.5/17

All: 27.822+/-0.005 χ^2/NDF : 6826341.7/38

- sign 27.731+/-0.007 χ^2/NDF : 3559618.6/20

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

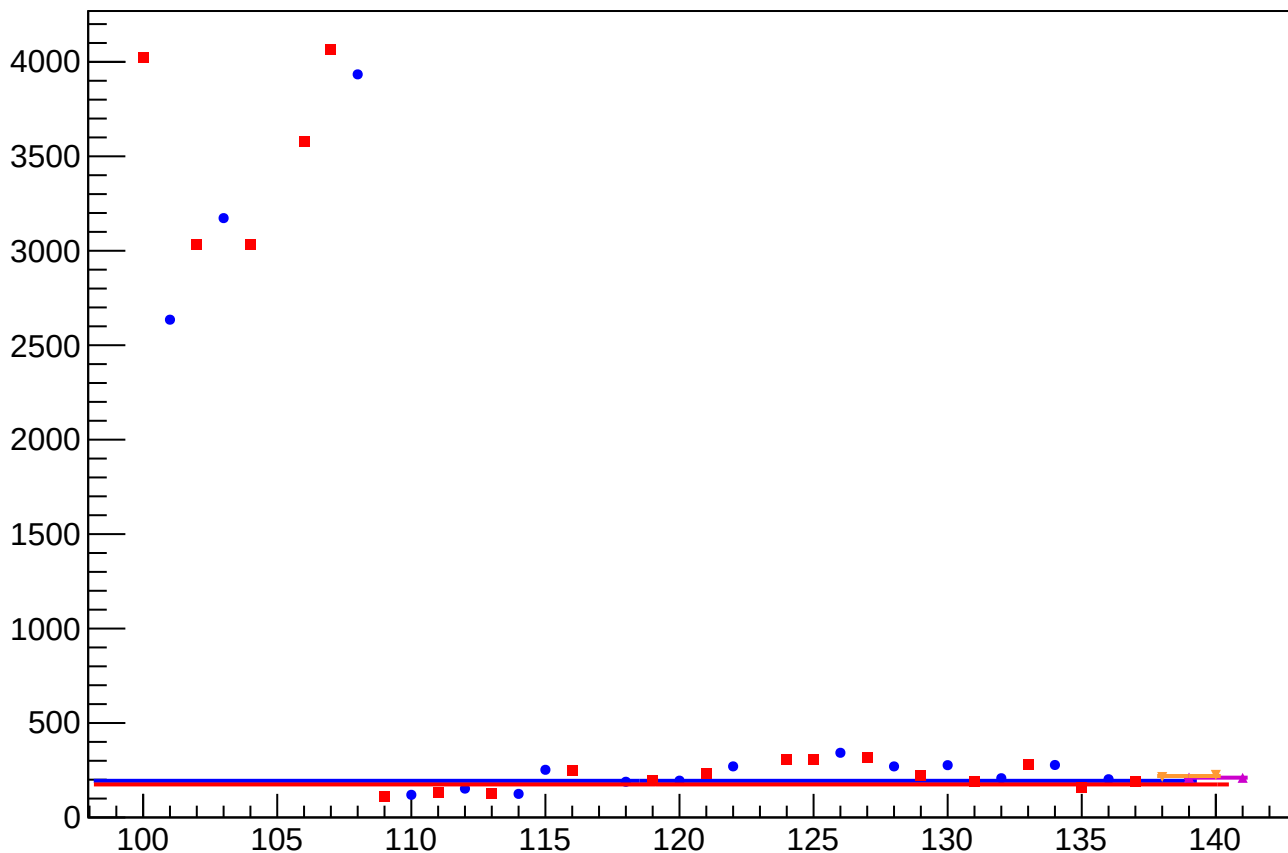
Left In: -296.721 ± 161.722 χ^2/NDF : 0.7/1

+ sign 48.210 ± 76.778 χ^2/NDF : 20.3/17

All: 41.821 ± 52.108 χ^2/NDF : 40.0/38

- sign 36.365 ± 70.949 χ^2/NDF : 19.7/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF : 3784467.5/15

Left Out: 219.402+/-0.123 χ^2/NDF :2071.0/1

Right Out: 174.779+/-0.056 χ^2/NDF : 4259323.6/18

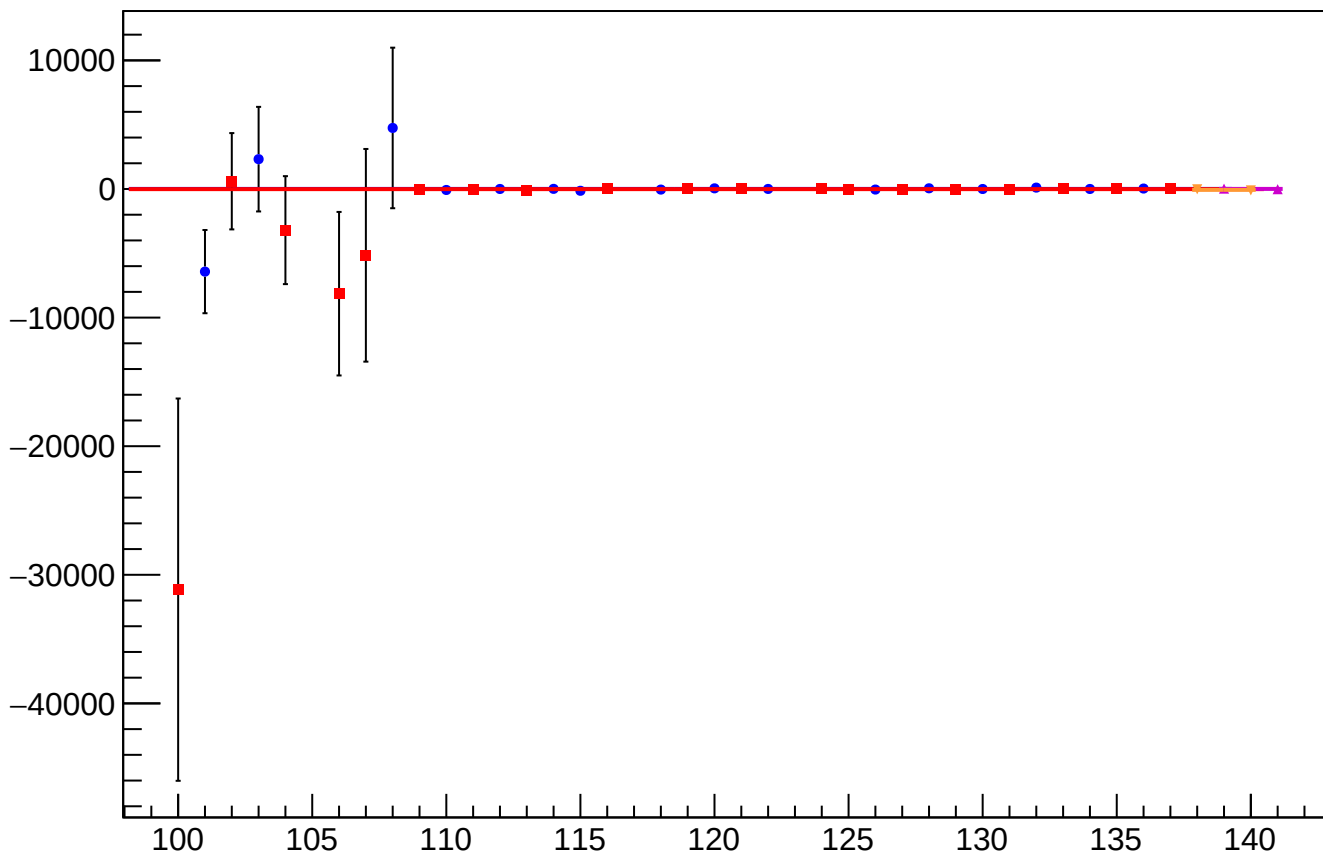
Left In: 210.667+/-0.114 χ^2/NDF :38.8/1

+ sign 198.879+/-0.054 χ^2/NDF : 3820883.9/17

All: 189.605+/-0.037 χ^2/NDF : 8213869.4/38

- sign 181.687+/-0.050 χ^2/NDF : 4338894.8/20

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

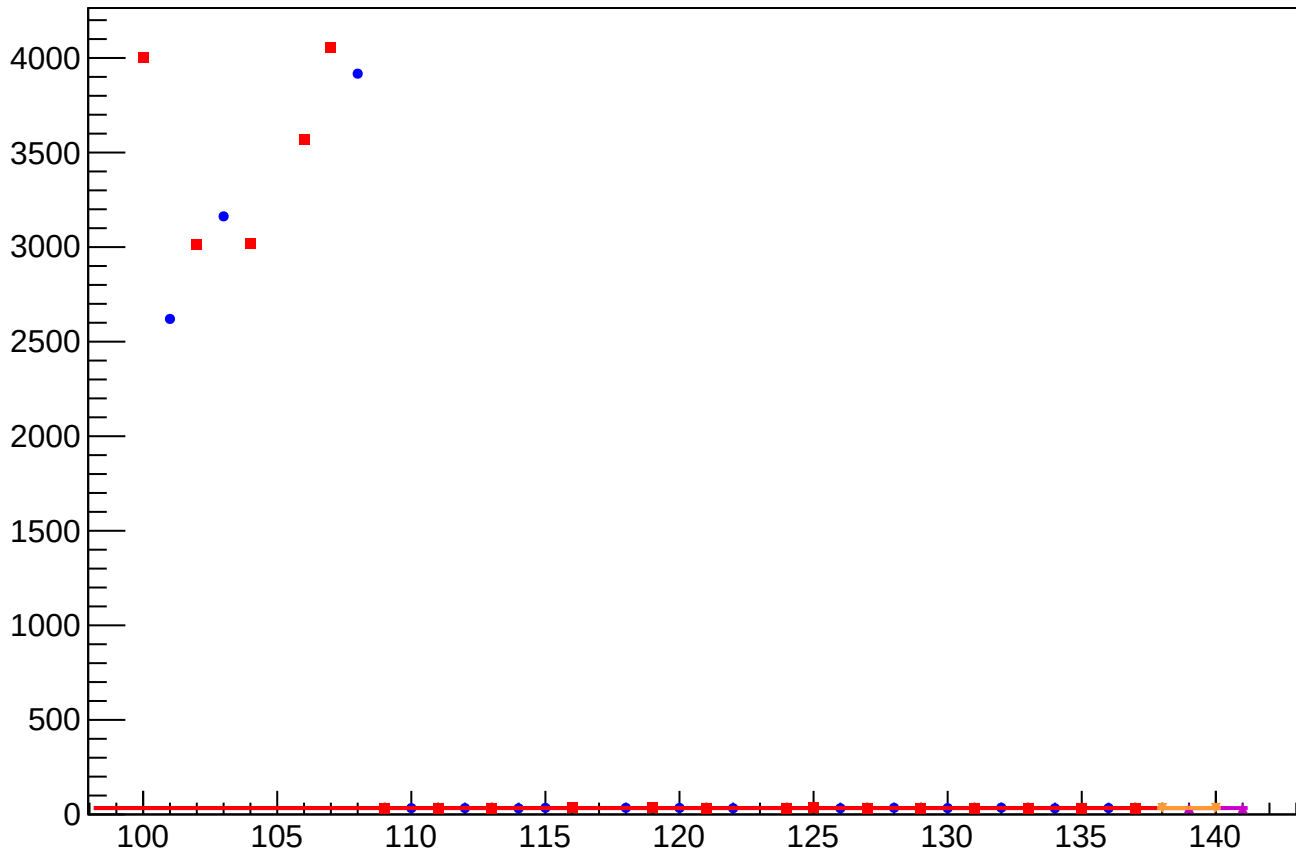
Left In: 6.341 ± 25.719 χ^2/NDF : 0.8/1

+ sign -10.167 ± 12.643 χ^2/NDF : 25.5/17

All: -8.119 ± 8.920 χ^2/NDF : 50.0/38

- sign -6.089 ± 12.586 χ^2/NDF : 24.5/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF : 3244382.4/15

Left Out: 34.311+/-0.019 χ^2/NDF : 498.1/1

Right Out: 33.726+/-0.010 χ^2/NDF : 3526463.8/18

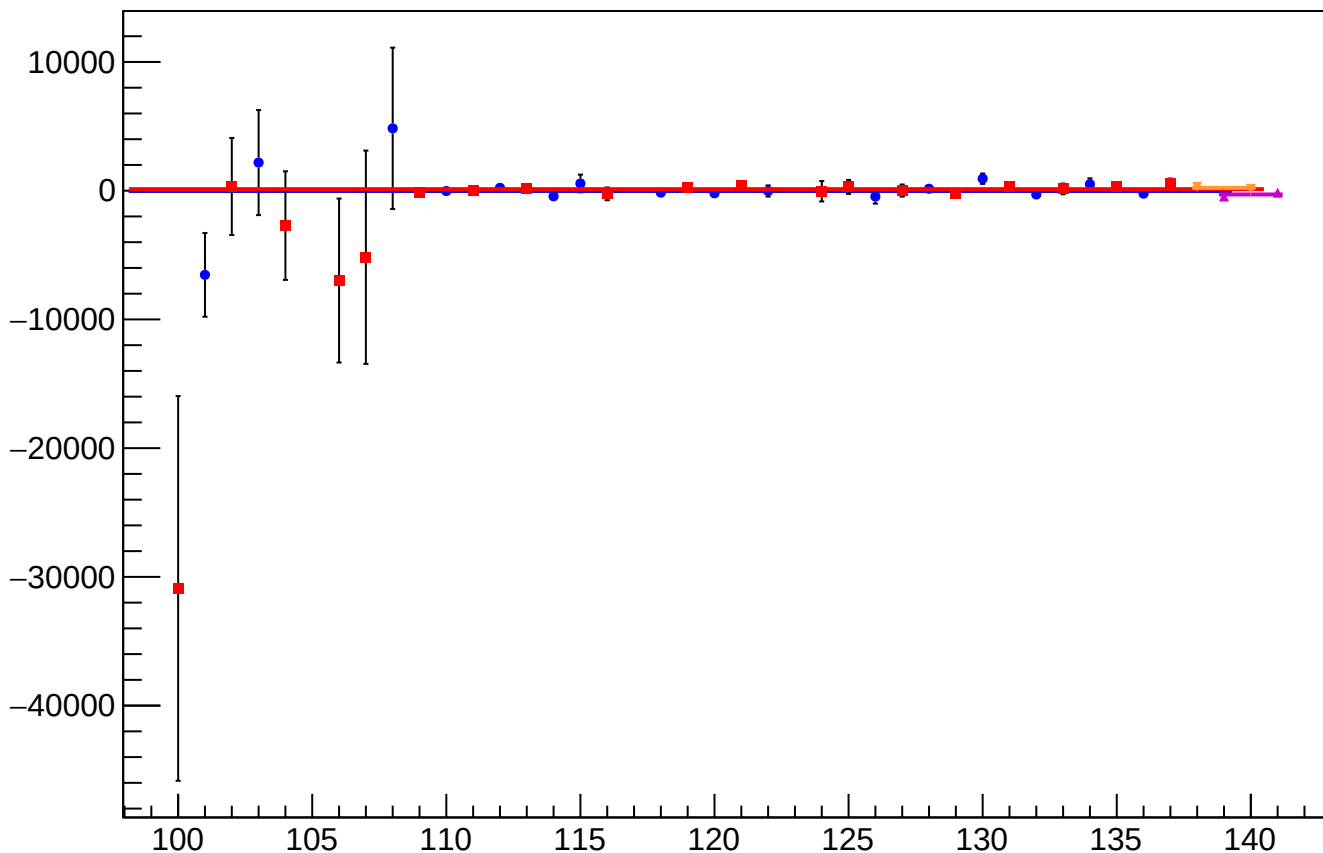
Left In: 33.785+/-0.018 χ^2/NDF : 318.8/1

+ sign 33.989+/-0.009 χ^2/NDF : 3245242.0/17

All: 33.864+/-0.006 χ^2/NDF : 6772422.9/38

- sign 33.740+/-0.009 χ^2/NDF : 3526790.6/20

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

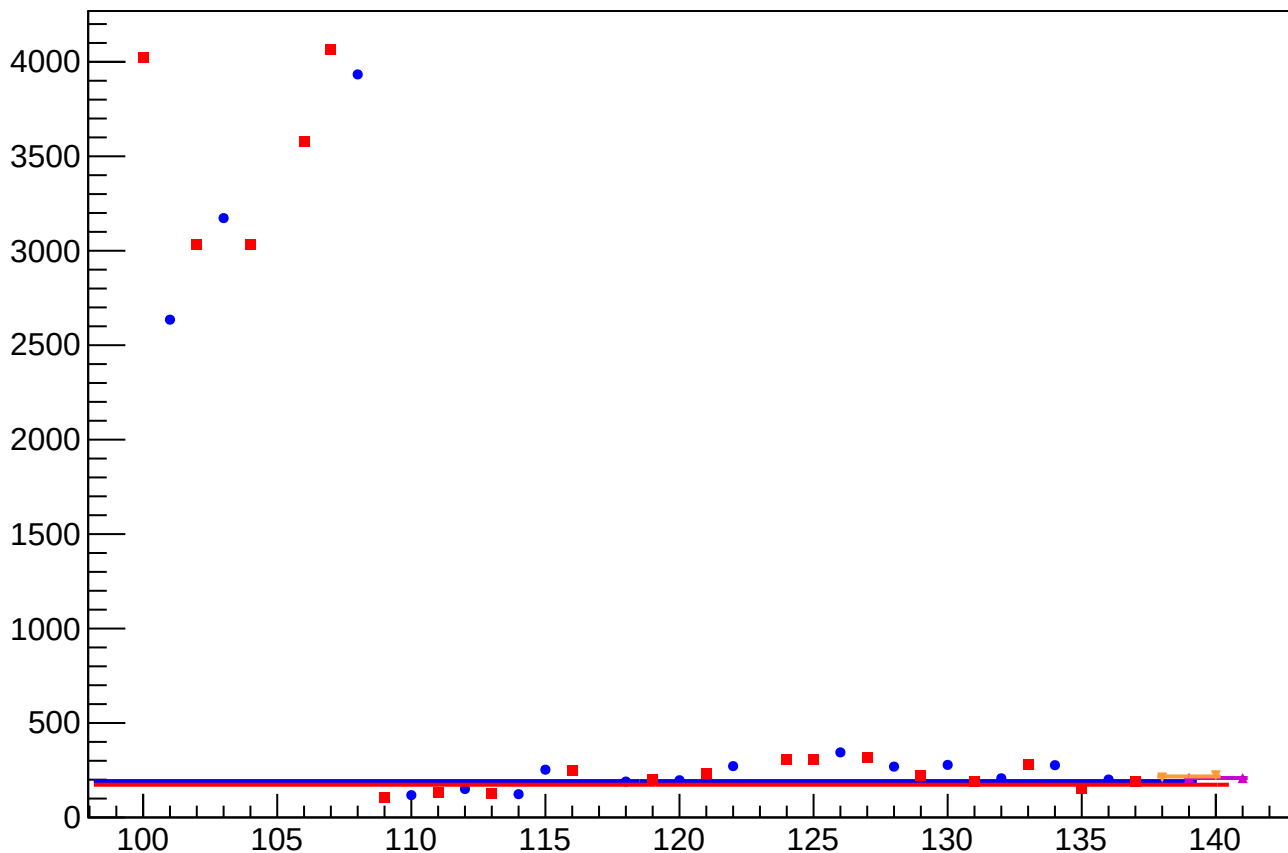
Left In: -293.298 ± 160.466 χ^2/NDF : 0.8/1

+ sign 27.281 ± 76.298 χ^2/NDF : 19.9/17

All: 34.252 ± 51.772 χ^2/NDF : 39.4/38

- sign 40.201 ± 70.482 χ^2/NDF : 19.5/20

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

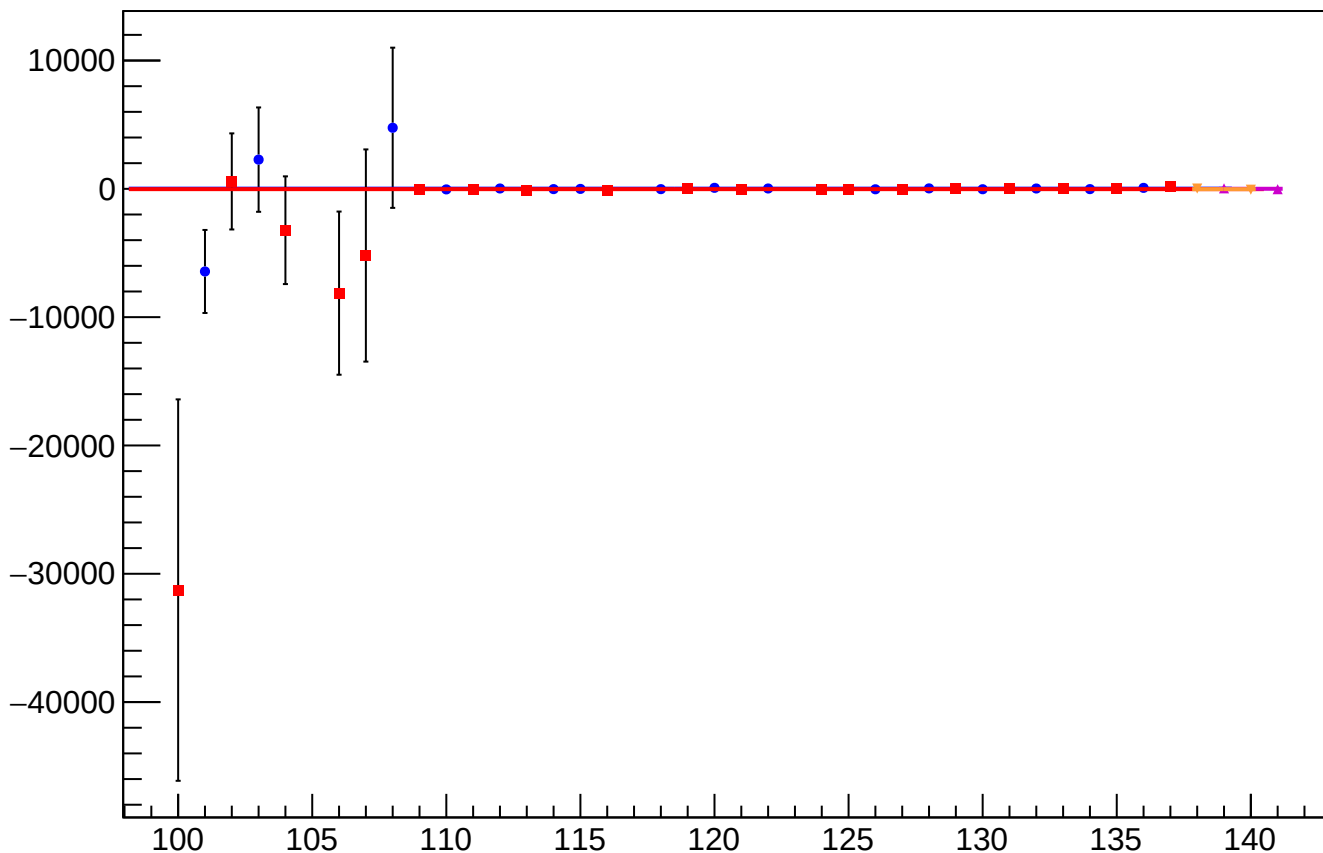
Left In: 209.007 $\pm$ 0.113 χ^2 /NDF:27.7/1

+ sign 197.347 $\pm$ 0.054 χ^2 /NDF: 3857439.9/17

All: 188.067 $\pm$ 0.037 χ^2 /NDF: 8299878.5/38

- sign 180.148 $\pm$ 0.050 χ^2 /NDF: 4387603.0/20

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

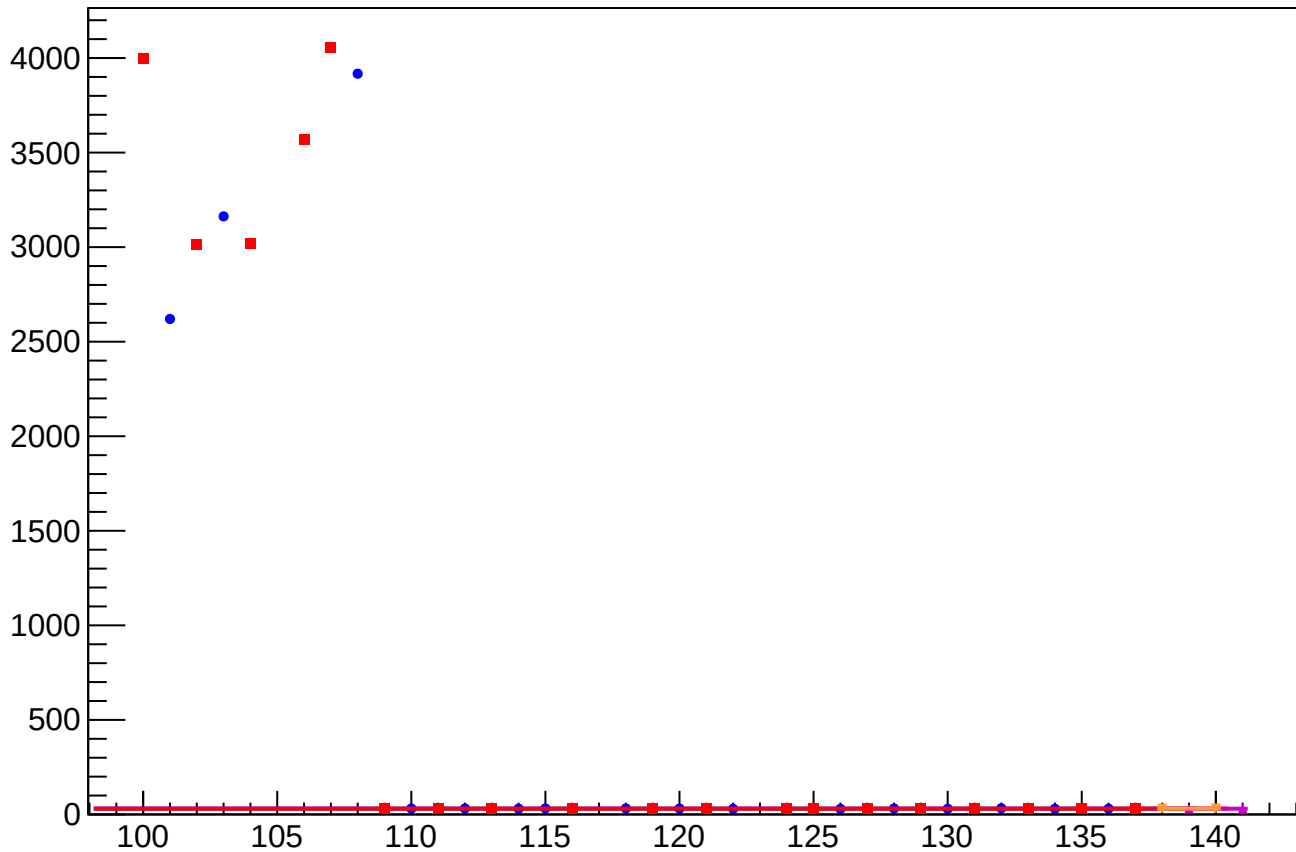
Left In: 4.885 $\pm$ 23.139 χ^2 /NDF:2.1/1

+ sign 5.359 $\pm$ 11.505 χ^2 /NDF: 20.7/17

All: -5.541 $\pm$ 8.117 χ^2 /NDF: 54.4/38

- sign -16.342 $\pm$ 11.453 χ^2 /NDF: 31.9/20

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

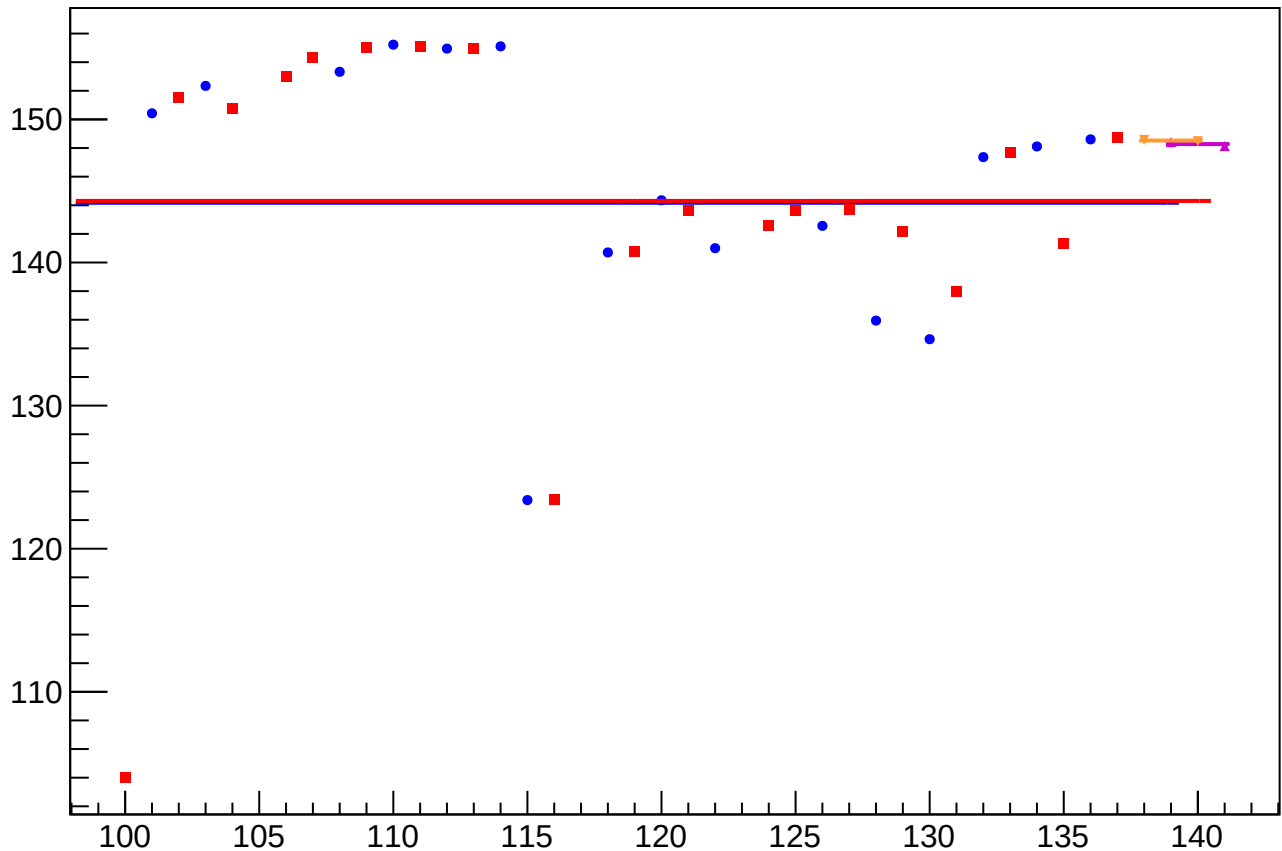
Left In: 30.386+/-0.016 χ^2/NDF : 488.1/1

+ sign 30.910+/-0.008 χ^2/NDF : 3252687.7/17

All: 30.795+/-0.006 χ^2/NDF : 6790238.6/38

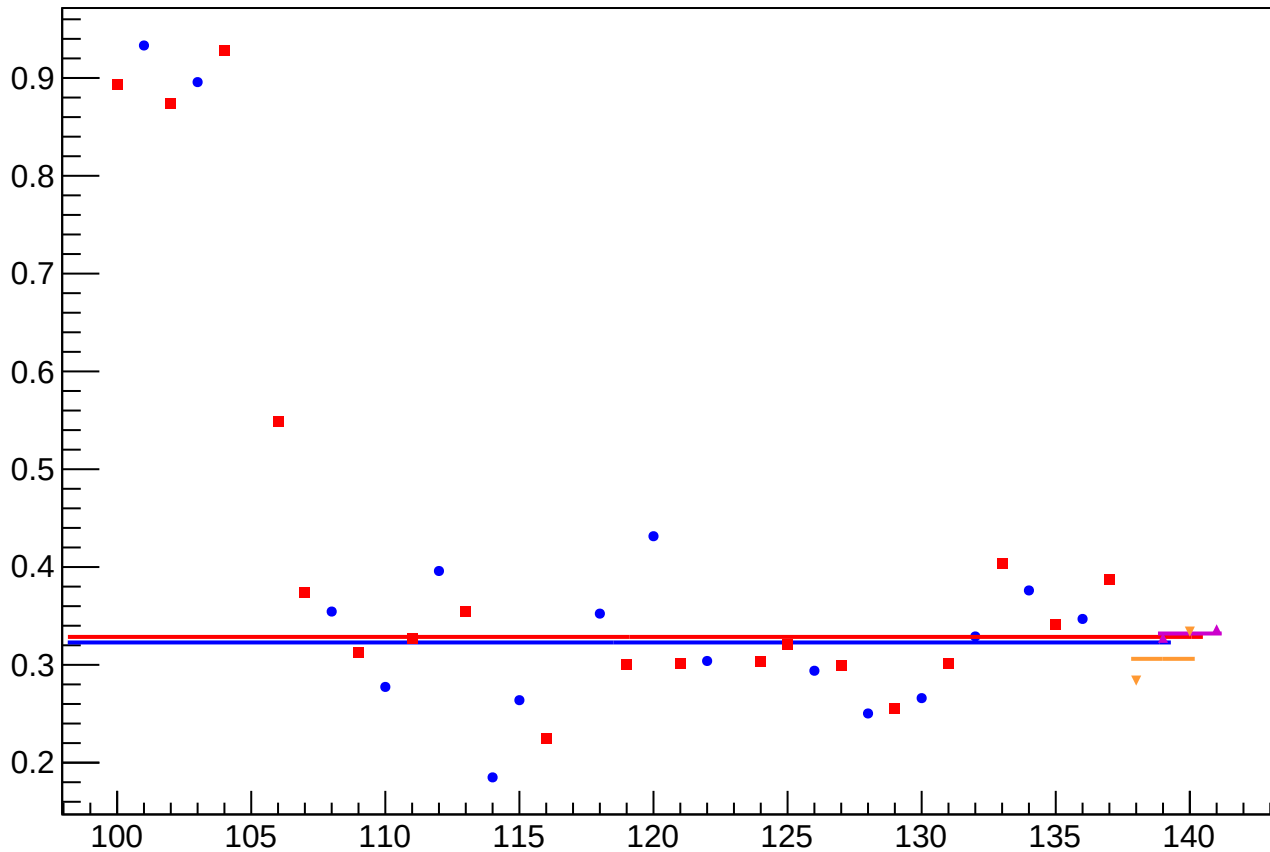
- sign 30.681+/-0.008 χ^2/NDF : 3537153.4/20

yield_bcm_target_mean vs Slug



Right In: 144.176+/-0.000 χ^2/NDF : 3724747268.7/15
 Left Out: 148.525+/-0.000 χ^2/NDF : 32294.6/1
 Right Out: 144.304+/-0.000 χ^2/NDF : 4264494940.7/18
 Left In: 148.275+/-0.000 χ^2/NDF : 278038.9/1
 + sign 145.161+/-0.000 χ^2/NDF : 3969174439.0/17
 All: 145.153+/-0.000 χ^2/NDF : 8422297940.6
 - sign 145.144+/-0.000 χ^2/NDF : 4453113809.2/20

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF : 20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

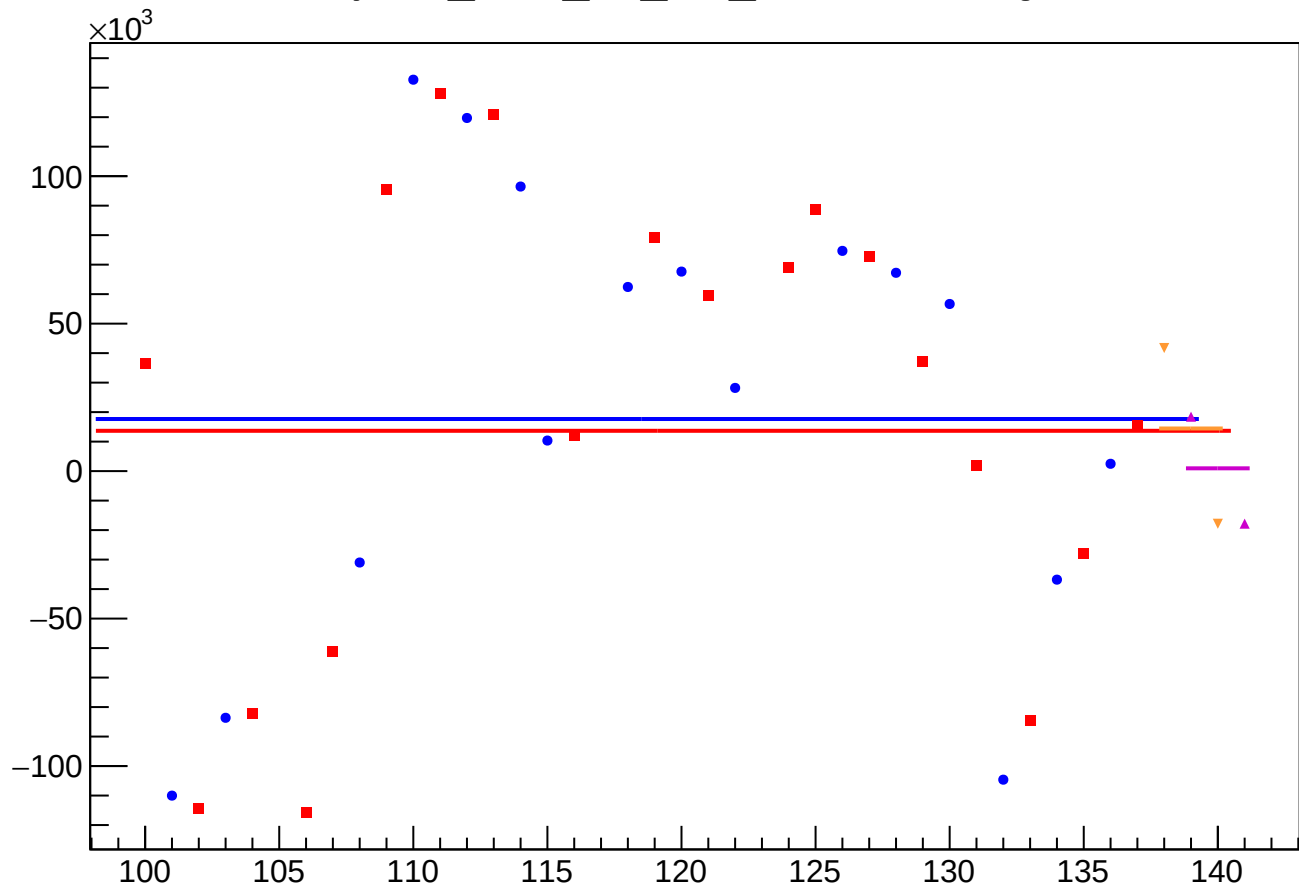
Left In: 0.332+/-0.000 χ^2/NDF : 575.0/1

+ sign 0.319+/-0.000 χ^2/NDF : 1423952.0/17

All: 0.324+/-0.000 χ^2/NDF : 2736529.5/38

- sign 0.329+/-0.000 χ^2/NDF : 1305012.0/20

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

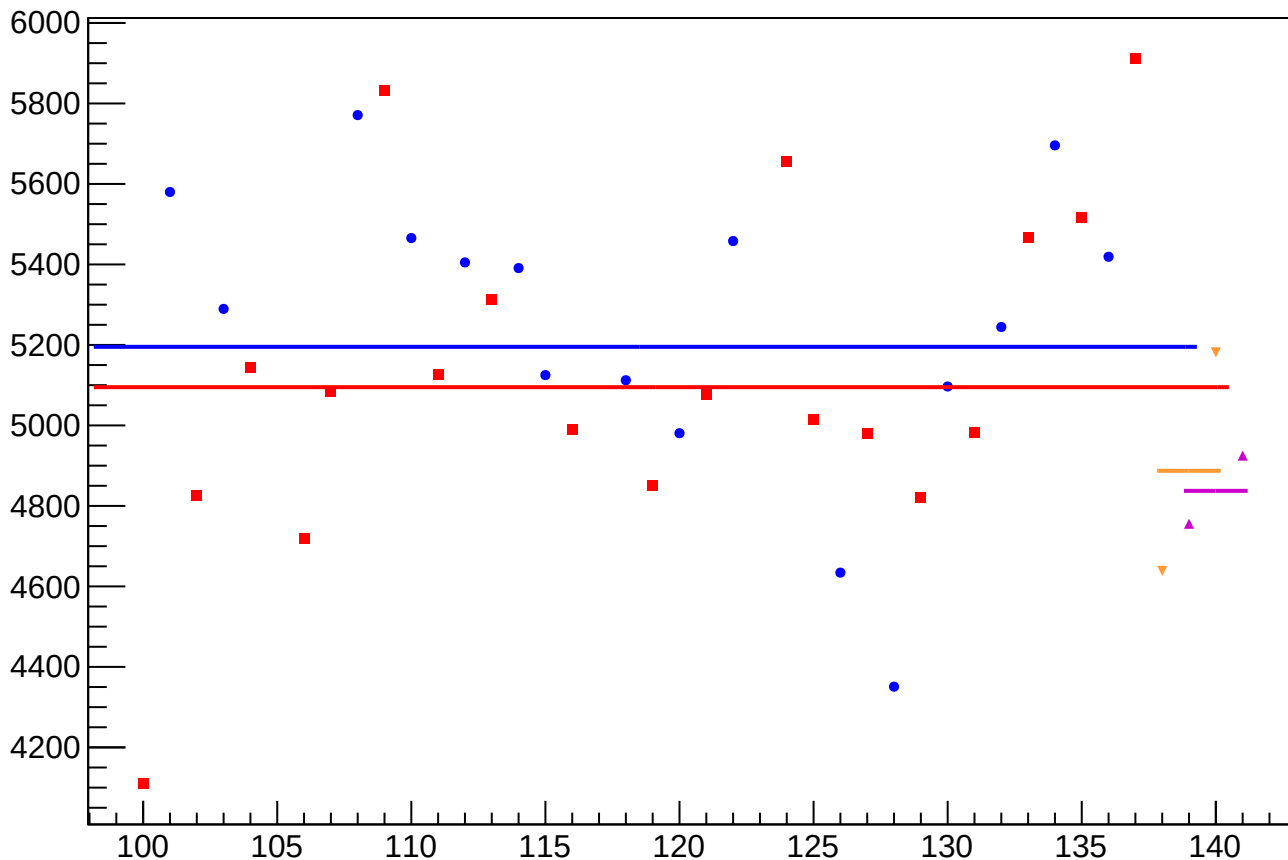
Left In: 942.558 $\pm$ 3.821 χ^2 /NDF: 22491248.6/1

+ sign 17002.762 $\pm$ 1.788 χ^2 /NDF: 1455934207.4/1

All: 13931.198 $\pm$ 1.239 χ^2 /NDF: 3349915698

- sign 11090.640 $\pm$ 1.719 χ^2 /NDF: 1888298795.1/2

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

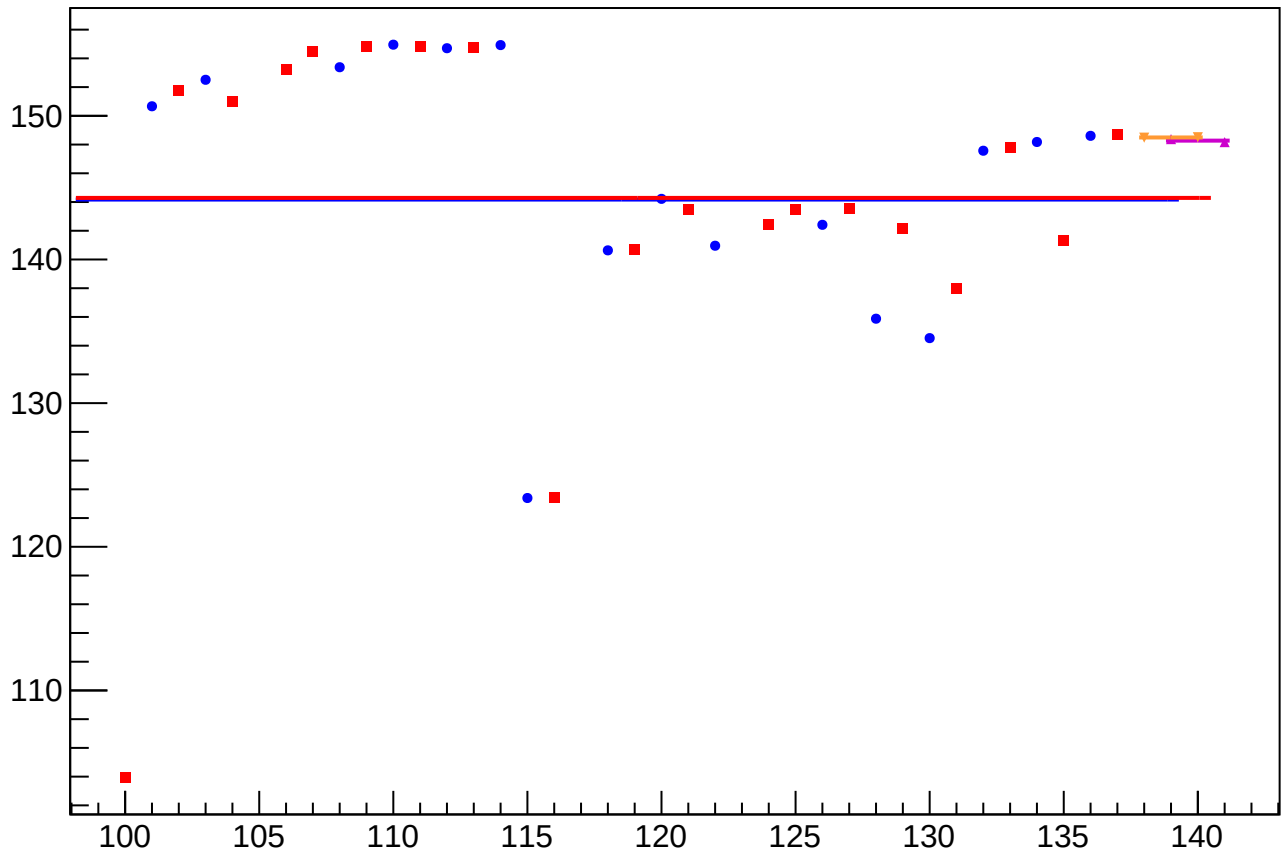
Left In: 4837.430 $\pm$ 2.702 χ^2/NDF :979.7/1

+ sign 5131.994 $\pm$ 1.264 χ^2/NDF : 96272.7/17

All: 5085.705 $\pm$ 0.876 χ^2/NDF : 166197.1/38

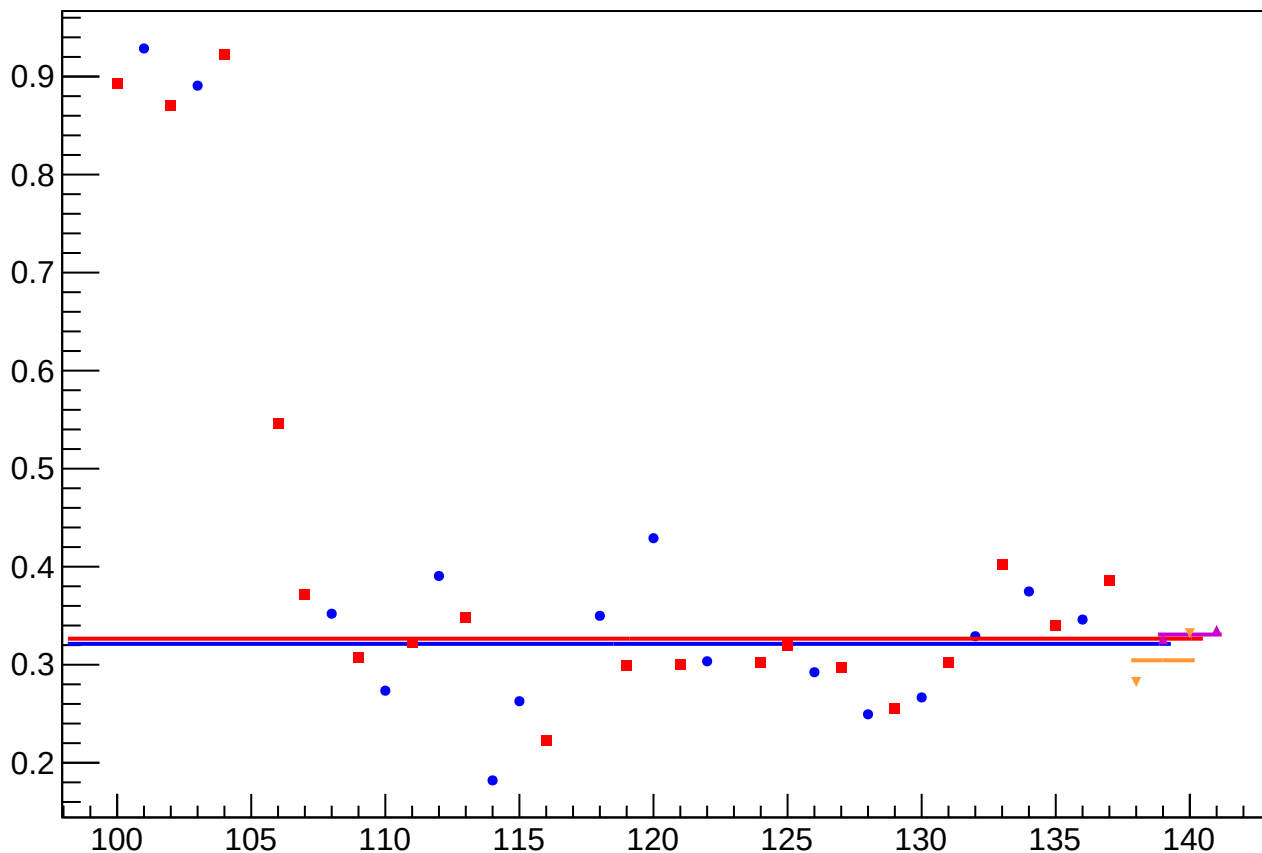
- sign 5042.898 $\pm$ 1.216 χ^2/NDF : 67343.2/20

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: 148.274 $\pm$ 0.000 χ^2 /NDF:167279.3/1
 + sign 145.151 $\pm$ 0.000 χ^2 /NDF: 4008761924.2/17
 All: 145.139 $\pm$ 0.000 χ^2 /NDF: 8490664217.8
 - sign 145.127 $\pm$ 0.000 χ^2 /NDF: 4481881321.7/20

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF : 1396250.7/15

Left Out: 0.305+/-0.000 χ^2/NDF : 20581.3/1

Right Out: 0.327+/-0.000 χ^2/NDF : 1302732.4/18

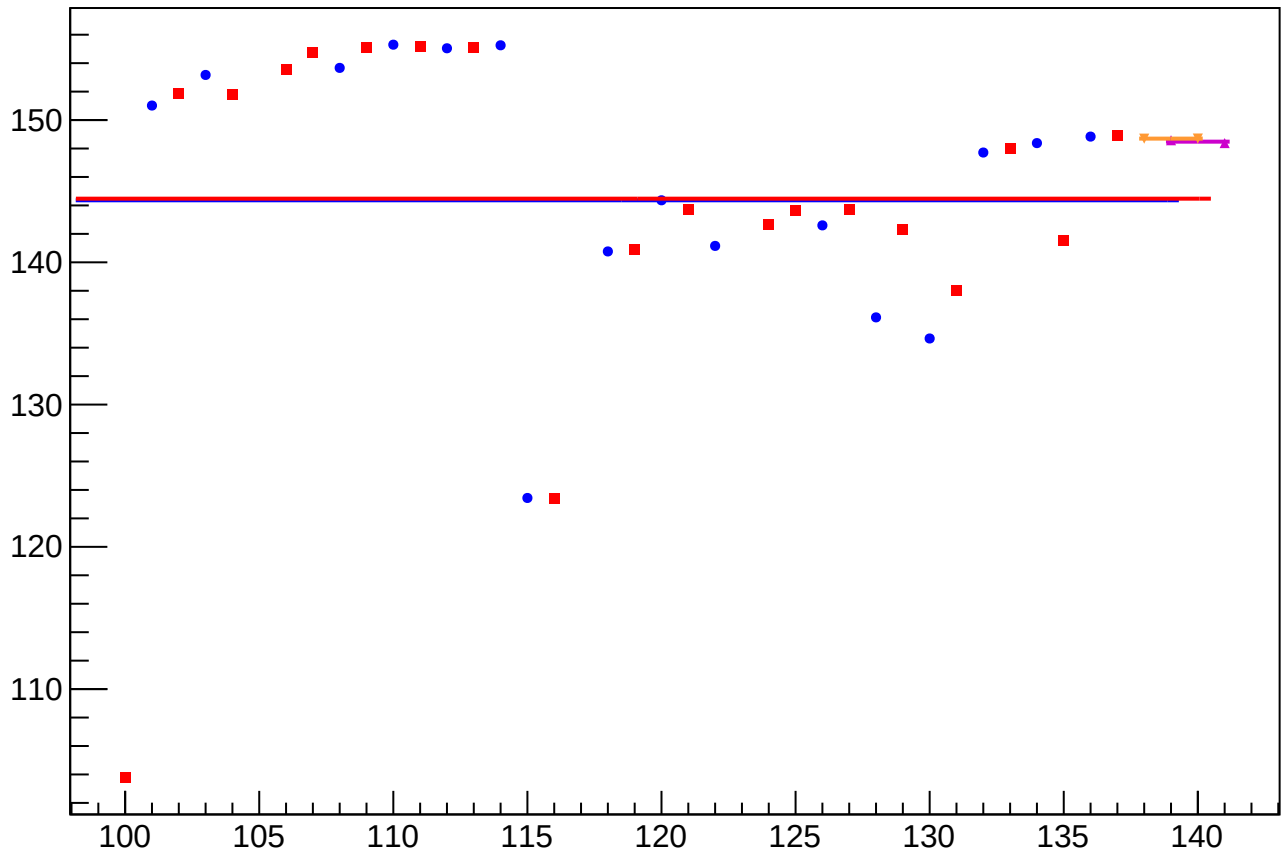
Left In: 0.331+/-0.000 χ^2/NDF : 664.6/1

+ sign 0.317+/-0.000 χ^2/NDF : 1424189.0/17

All: 0.322+/-0.000 χ^2/NDF : 2735309.7/38

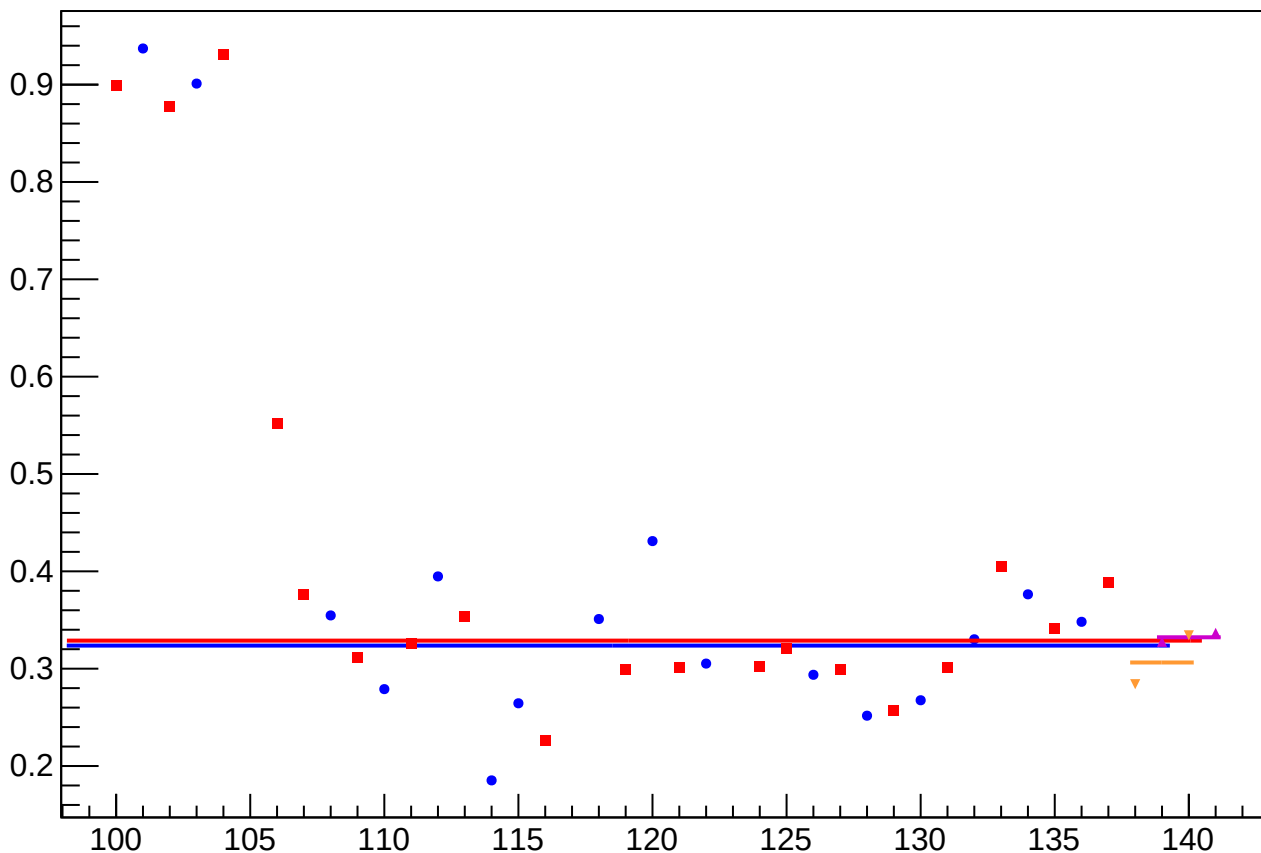
- sign 0.327+/-0.000 χ^2/NDF : 1303829.8/20

yield_bcm_an_ds3_mean vs Slug



Right In: 144.361 $\pm$ 0.000 χ^2 /NDF: 3758625293.6/15
 Left Out: 148.696 $\pm$ 0.000 χ^2 /NDF:243.1/1
 Right Out: 144.475 $\pm$ 0.000 χ^2 /NDF: 4281975463.8/18
 Left In: 148.482 $\pm$ 0.000 χ^2 /NDF:149776.9/1
 + sign 145.345 $\pm$ 0.000 χ^2 /NDF: 4000940379.9/17
 All: 145.334 $\pm$ 0.000 χ^2 /NDF: 8474590907.2
 - sign 145.322 $\pm$ 0.000 χ^2 /NDF: 4473632718.5/20

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

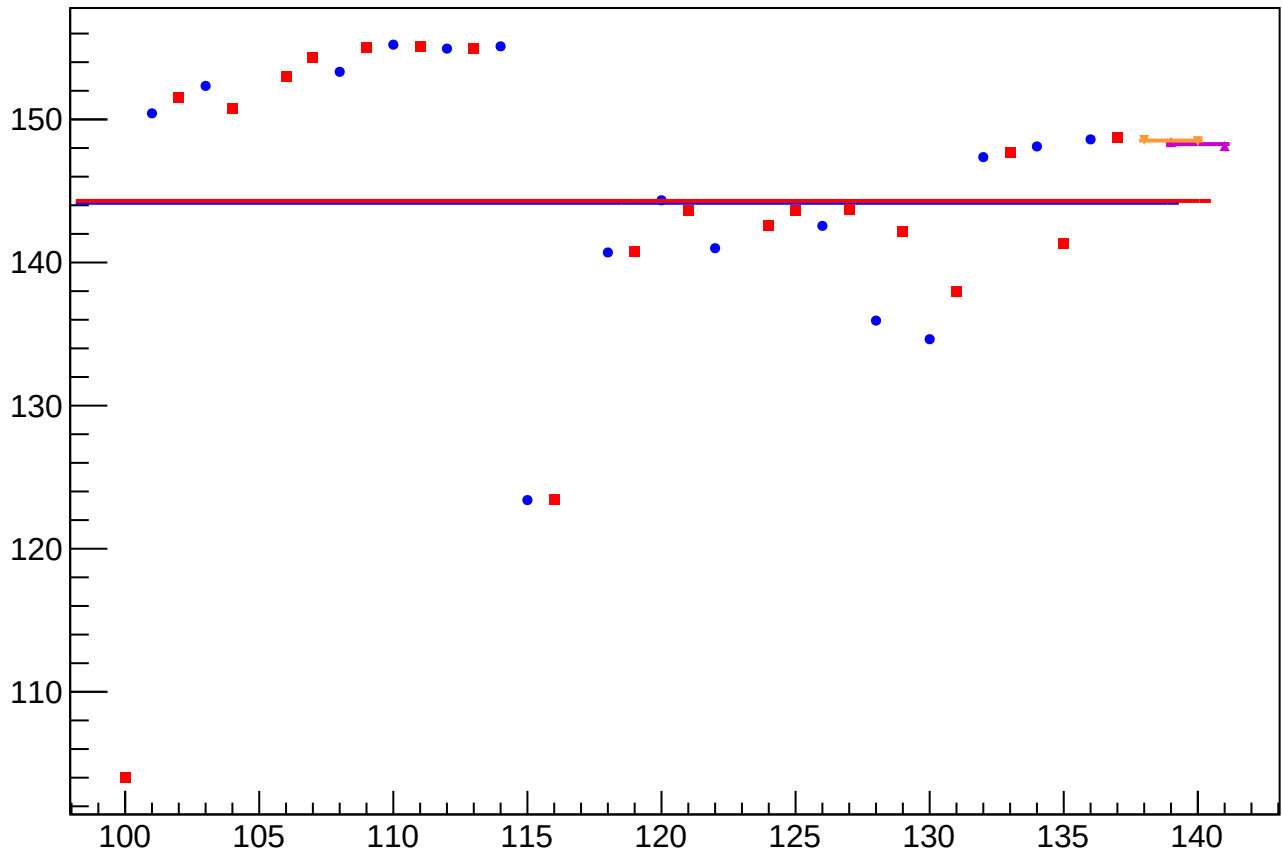
Left In: 0.332 $\pm$ 0.000 χ^2 /NDF:641.2/1

+ sign 0.320 $\pm$ 0.000 χ^2 /NDF: 1420921.9/17

All: 0.325 $\pm$ 0.000 χ^2 /NDF: 2731987.6/38

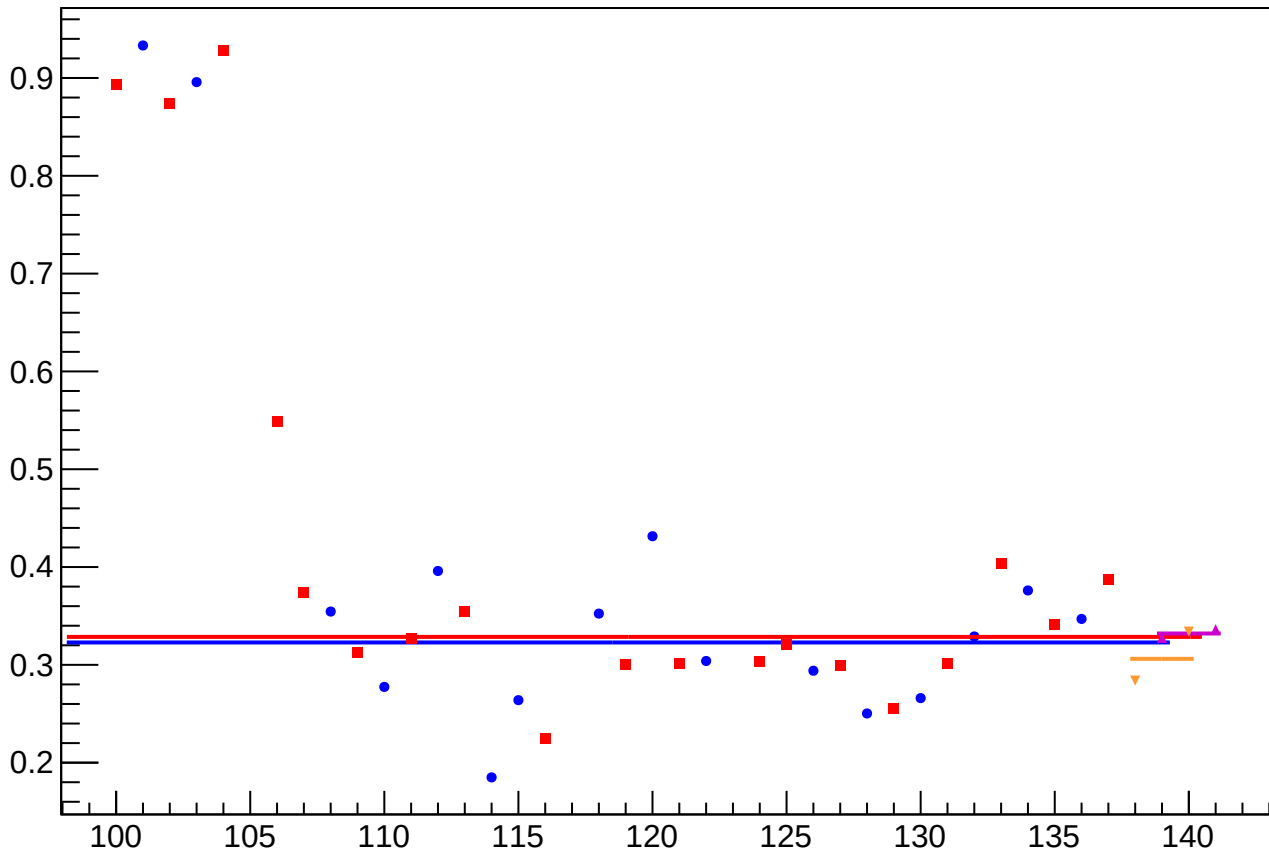
- sign 0.330 $\pm$ 0.000 χ^2 /NDF: 1304143.6/20

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: 148.275 $\pm$ 0.000 χ^2 /NDF:278038.9/1
 + sign 145.161 $\pm$ 0.000 χ^2 /NDF: 3969174439.0/17
 All: 145.153 $\pm$ 0.000 χ^2 /NDF: 8422297940.6
 - sign 145.144 $\pm$ 0.000 χ^2 /NDF: 4453113809.2/20

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF : 20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

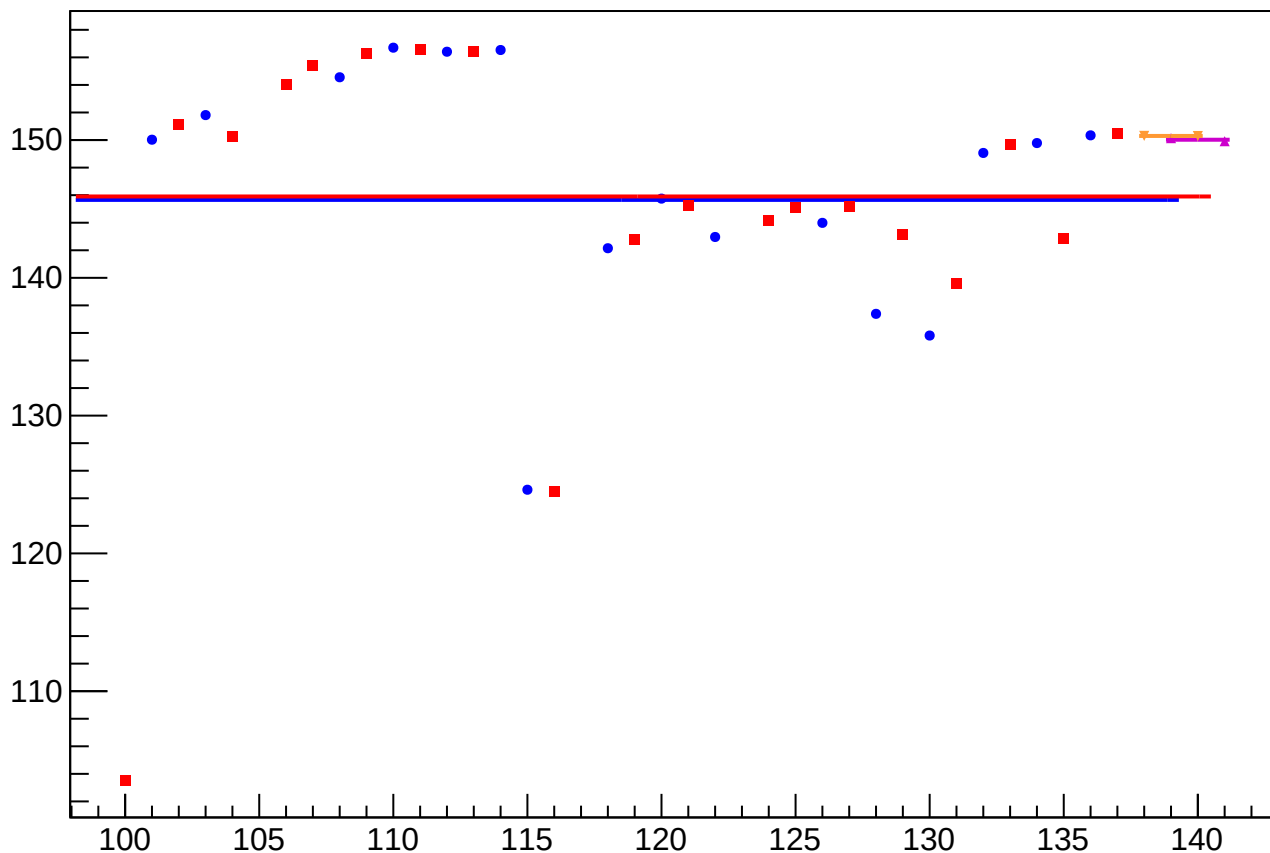
Left In: 0.332+/-0.000 χ^2/NDF : 575.0/1

+ sign 0.319+/-0.000 χ^2/NDF : 1423952.0/17

All: 0.324+/-0.000 χ^2/NDF : 2736529.5/38

- sign 0.329+/-0.000 χ^2/NDF : 1305012.0/20

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

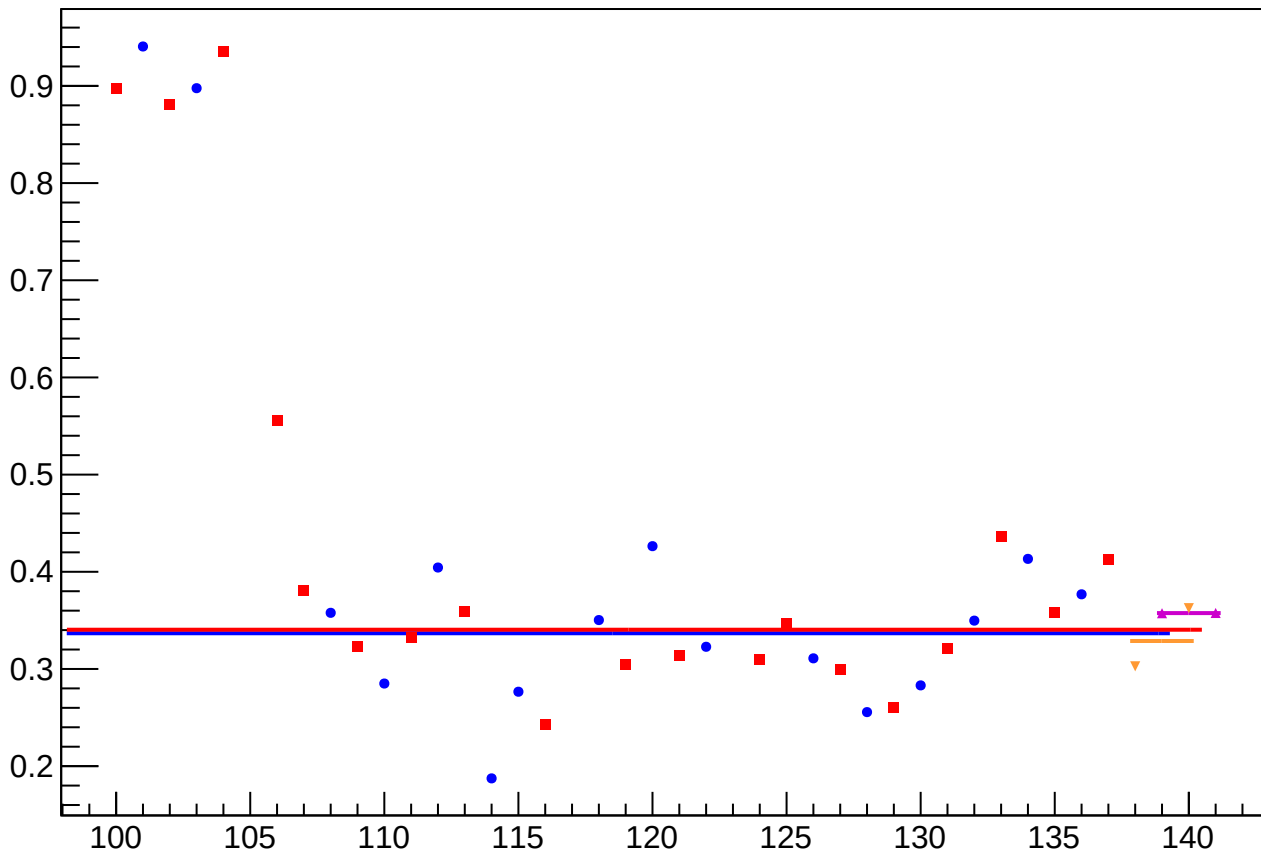
Left In: 150.023+/-0.000 χ^2/NDF : 158885.0/1

+ sign 146.648+/-0.000 χ^2/NDF : 3722726952.0/17

All: 146.684+/-0.000 χ^2/NDF : 7762742390.5

- sign 146.720+/-0.000 χ^2/NDF : 4039841791.3/20

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

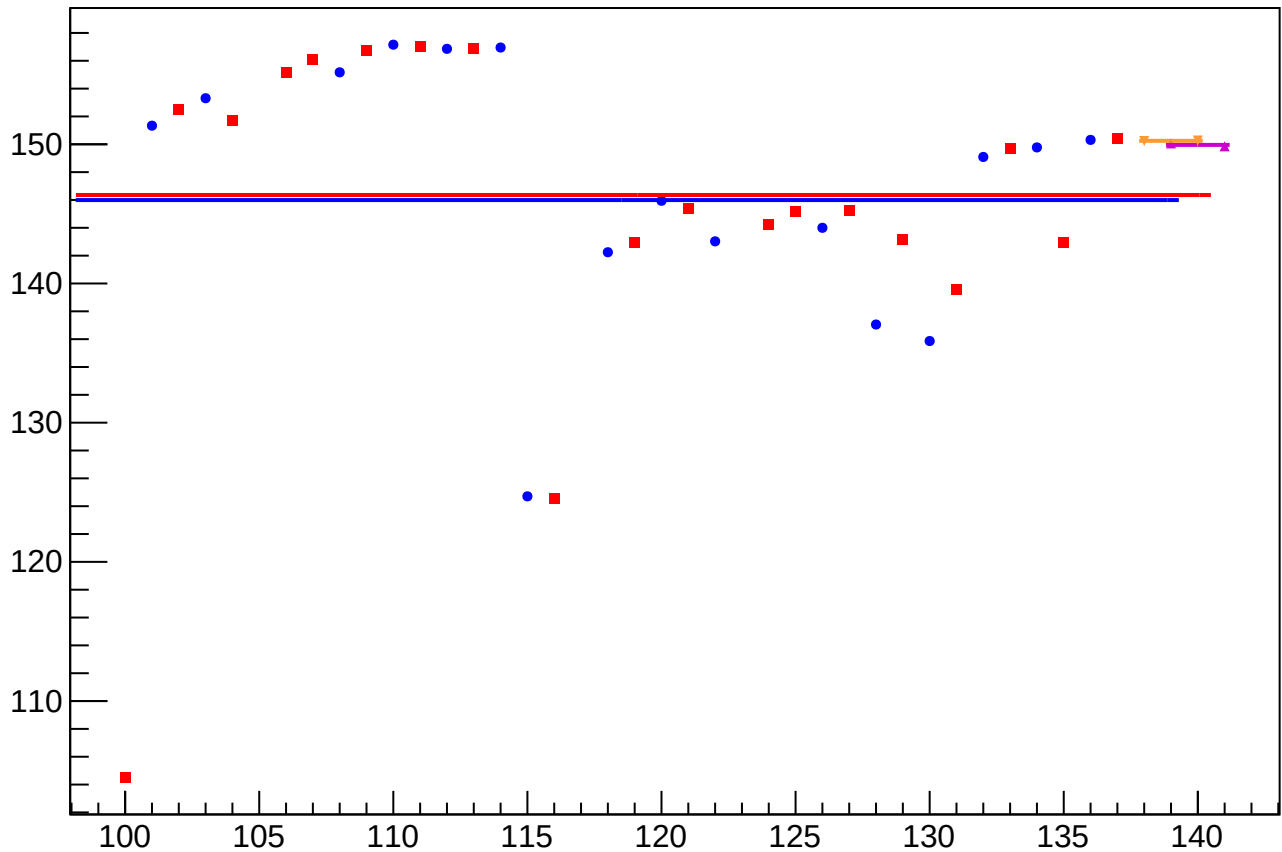
Left In: 0.357 $\pm$ 0.000 χ^2 /NDF:0.5/1

+ sign 0.335 $\pm$ 0.000 χ^2 /NDF: 1397001.7/17

All: 0.339 $\pm$ 0.000 χ^2 /NDF: 2682861.1/38

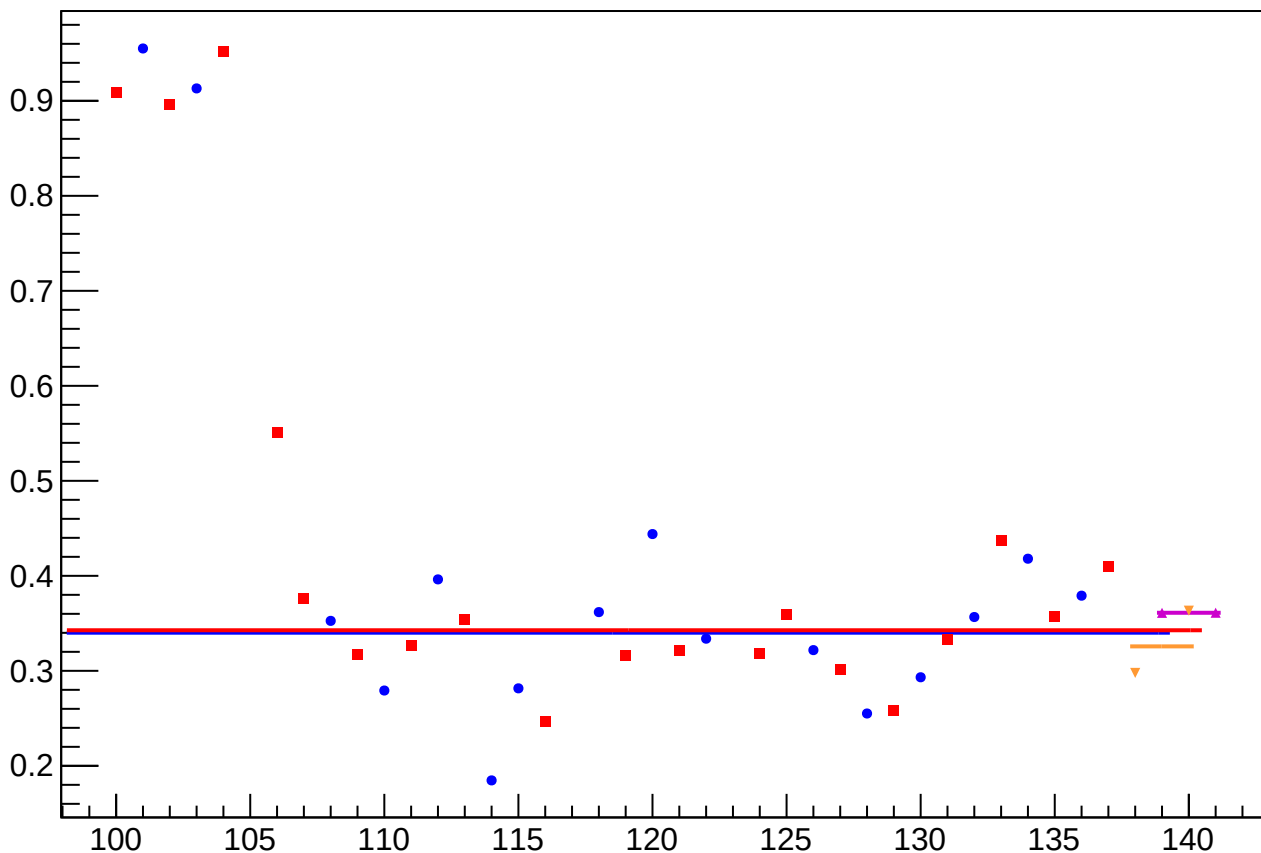
- sign 0.344 $\pm$ 0.000 χ^2 /NDF: 1280821.9/20

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: 149.957+/-0.000 χ^2/NDF : 140475.0/1
 + sign 146.926+/-0.000 χ^2/NDF : 3825158459.2/17
 All: 146.996+/-0.000 χ^2/NDF : 7920992255.4
 - sign 147.067+/-0.000 χ^2/NDF : 4095187050.4/20

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

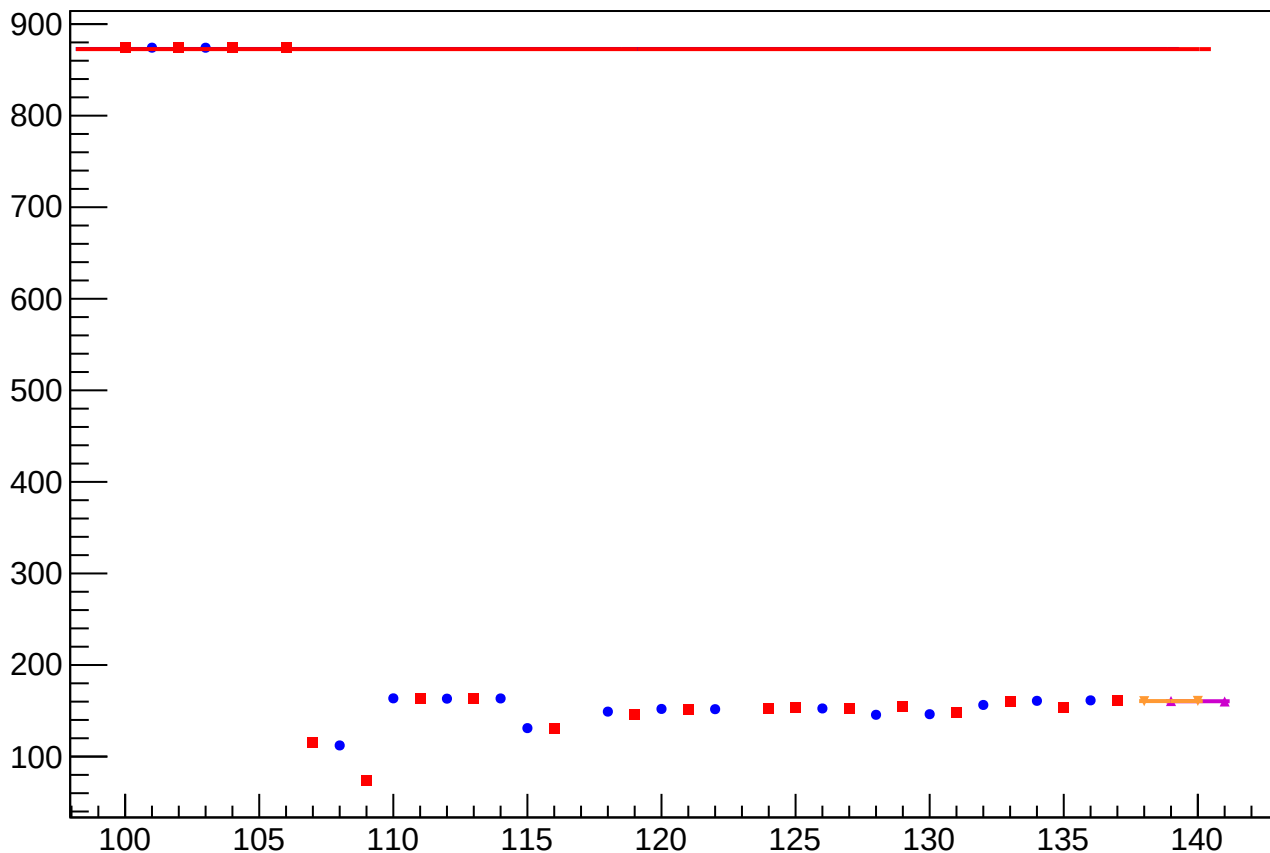
Left In: 0.361 $\pm$ 0.000 χ^2 /NDF:0.1/1

+ sign 0.337 $\pm$ 0.000 χ^2 /NDF: 1428088.1/17

All: 0.342 $\pm$ 0.000 χ^2 /NDF: 2711394.2/38

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 1277632.4/20

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

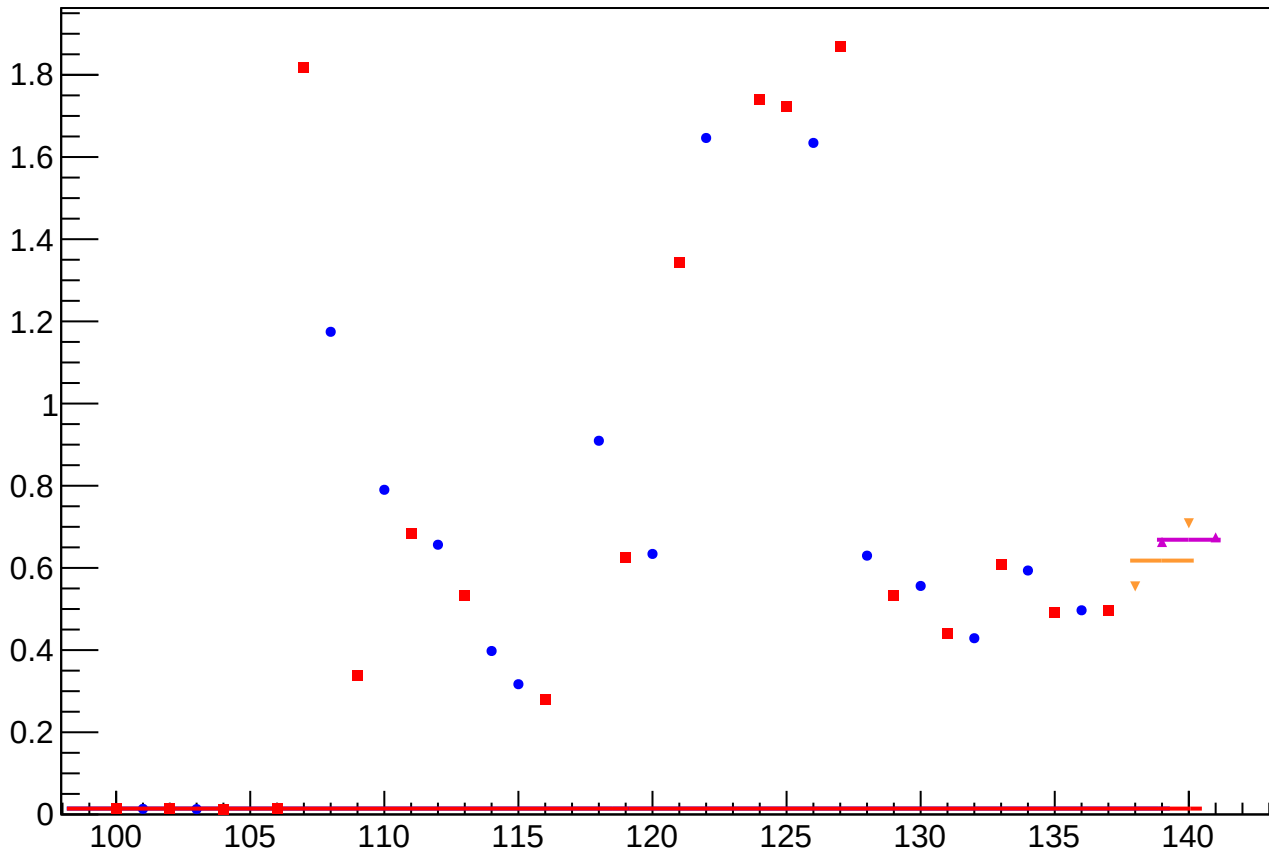
Left In: 160.433 $\pm$ 0.001 χ^2 /NDF: 187293.8/1

+ sign 872.483 $\pm$ 0.000 χ^2 /NDF: 8911343337583.0

All: 872.441 $\pm$ 0.000 χ^2 /NDF: 196694745717

- sign 872.404 $\pm$ 0.000 χ^2 /NDF: 10758107254132.4

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 9622176.3/15

Left Out: 0.618+/-0.000 χ^2/NDF : 38689.0/1

Right Out: 0.014+/-0.000 χ^2/NDF : 9410025.7/18

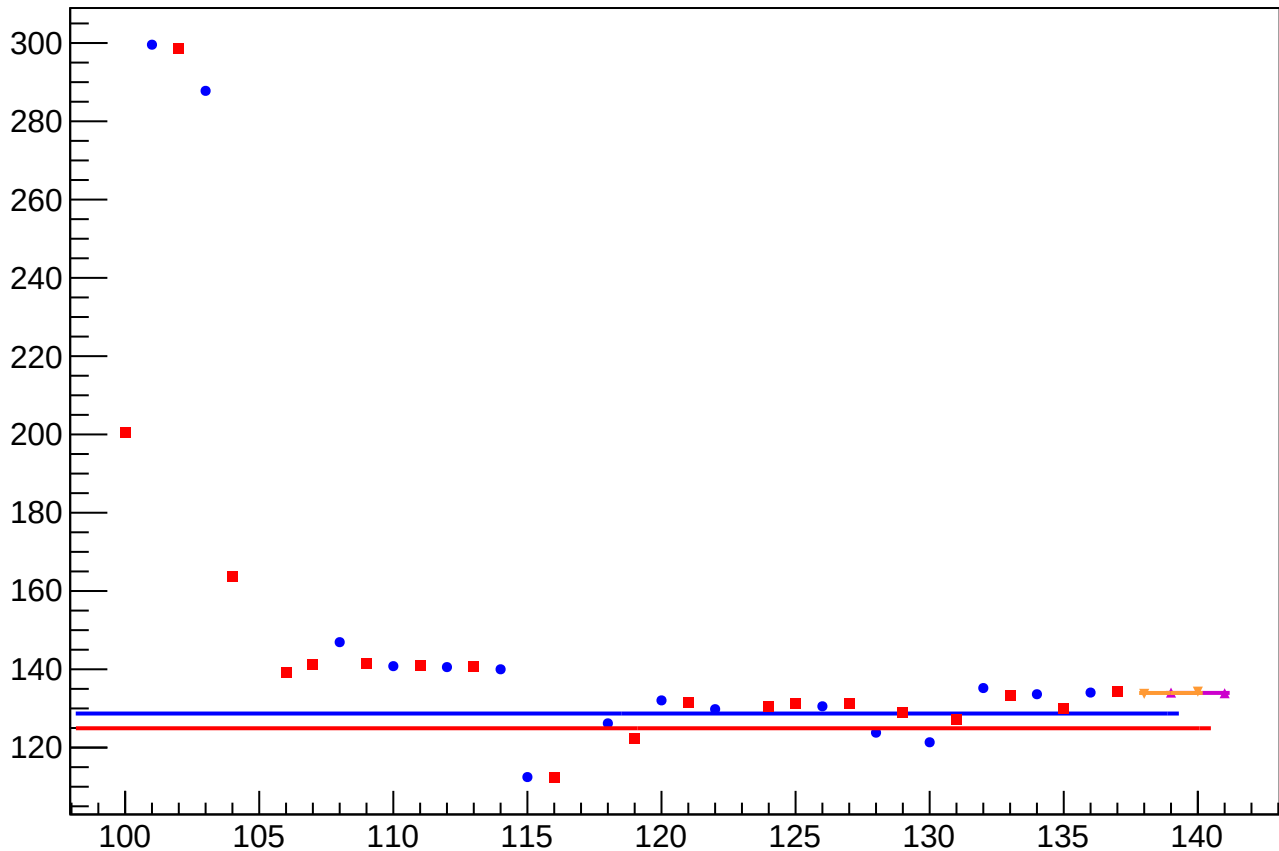
Left In: 0.669+/-0.000 χ^2/NDF : 201.1/1

+ sign 0.015+/-0.000 χ^2/NDF : 12130218.2/17

All: 0.015+/-0.000 χ^2/NDF : 24226034.2/38

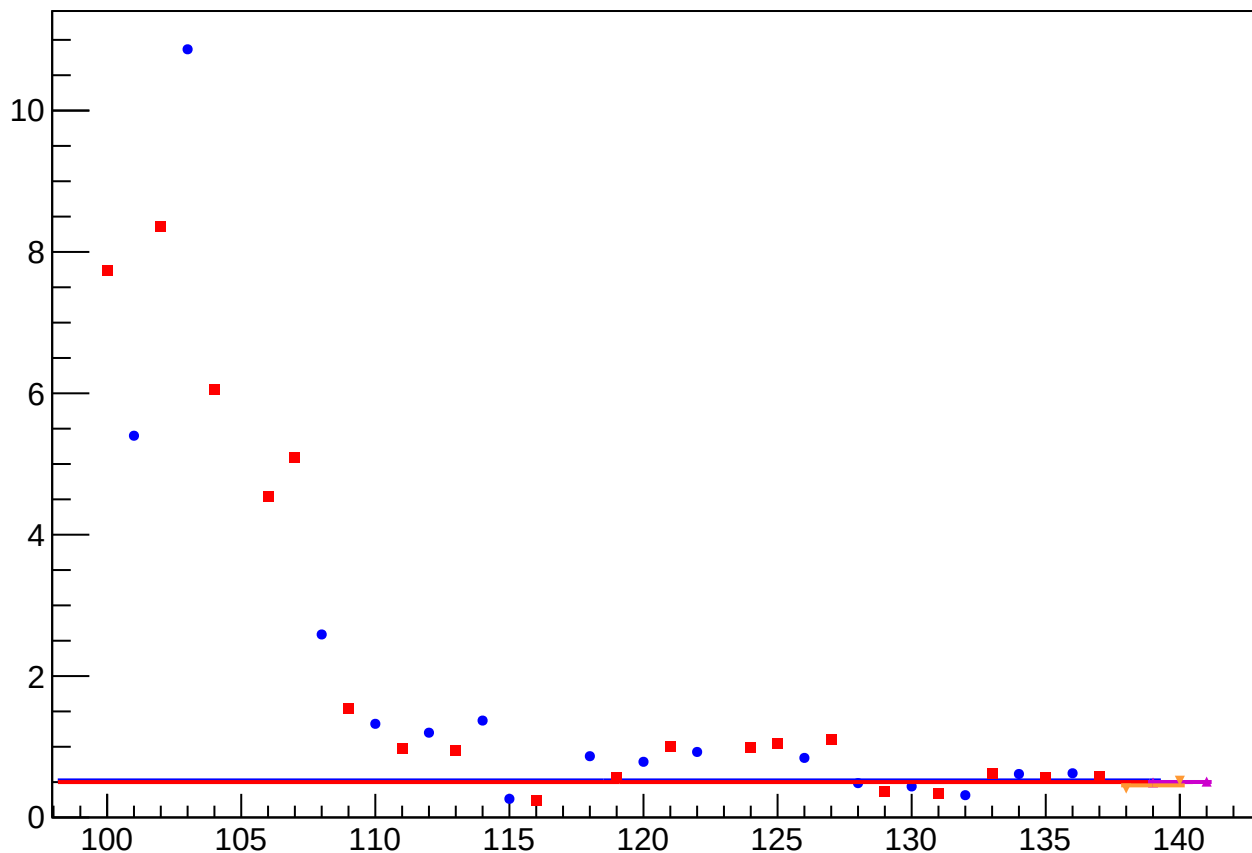
- sign 0.014+/-0.000 χ^2/NDF : 12095573.6/20

yield_cav4cQ_mean vs Slug



Right In: 128.701 $\pm$ 0.000 χ^2 /NDF: 1656162604.0/15
 Left Out: 133.954 $\pm$ 0.000 χ^2 /NDF:327106.7/1
 Right Out: 124.935 $\pm$ 0.000 χ^2 /NDF: 1397923053.7/18
 Left In: 133.967 $\pm$ 0.000 χ^2 /NDF:27813.9/1
 + sign 129.986 $\pm$ 0.000 χ^2 /NDF: 1746789393.8/17
 All: 128.472 $\pm$ 0.000 χ^2 /NDF: 3486275946.1
 - sign 126.999 $\pm$ 0.000 χ^2 /NDF: 1659415678.1/20

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF : 4138409.3/15

Left Out: 0.454+/-0.000 χ^2/NDF :25768.7/1

Right Out: 0.501+/-0.000 χ^2/NDF : 4884137.3/18

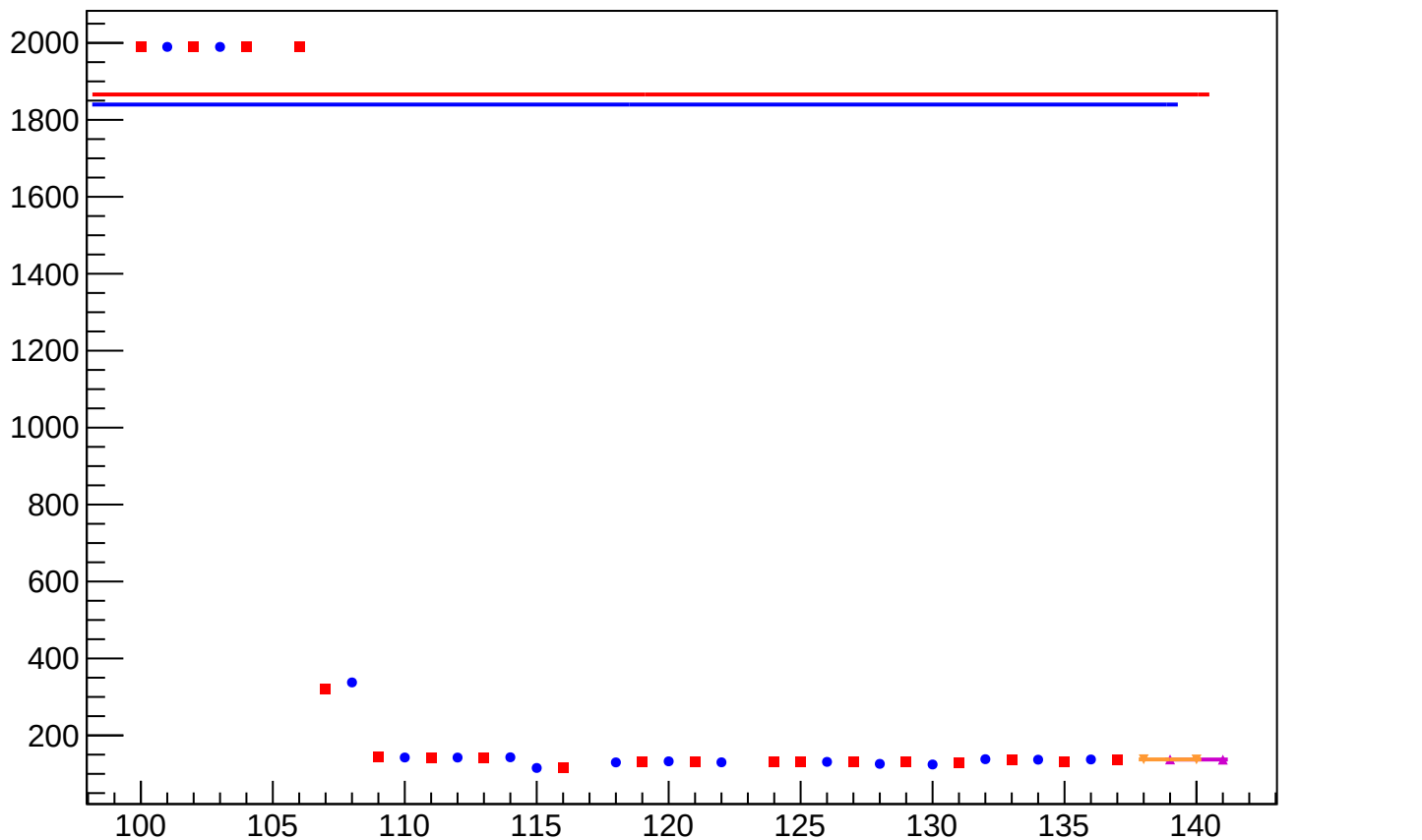
Left In: 0.502+/-0.000 χ^2/NDF :309.3/1

+ sign 0.507+/-0.000 χ^2/NDF : 4196397.0/17

All: 0.504+/-0.000 χ^2/NDF : 9081517.1/38

- sign 0.501+/-0.000 χ^2/NDF : 4884454.1/20

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF : 145916014549797.4/15

Left Out: 137.572+/-0.000 χ^2/NDF : 778130.9/1

+ sign 1798.167+/-0.000 χ^2/NDF : 18631650027252

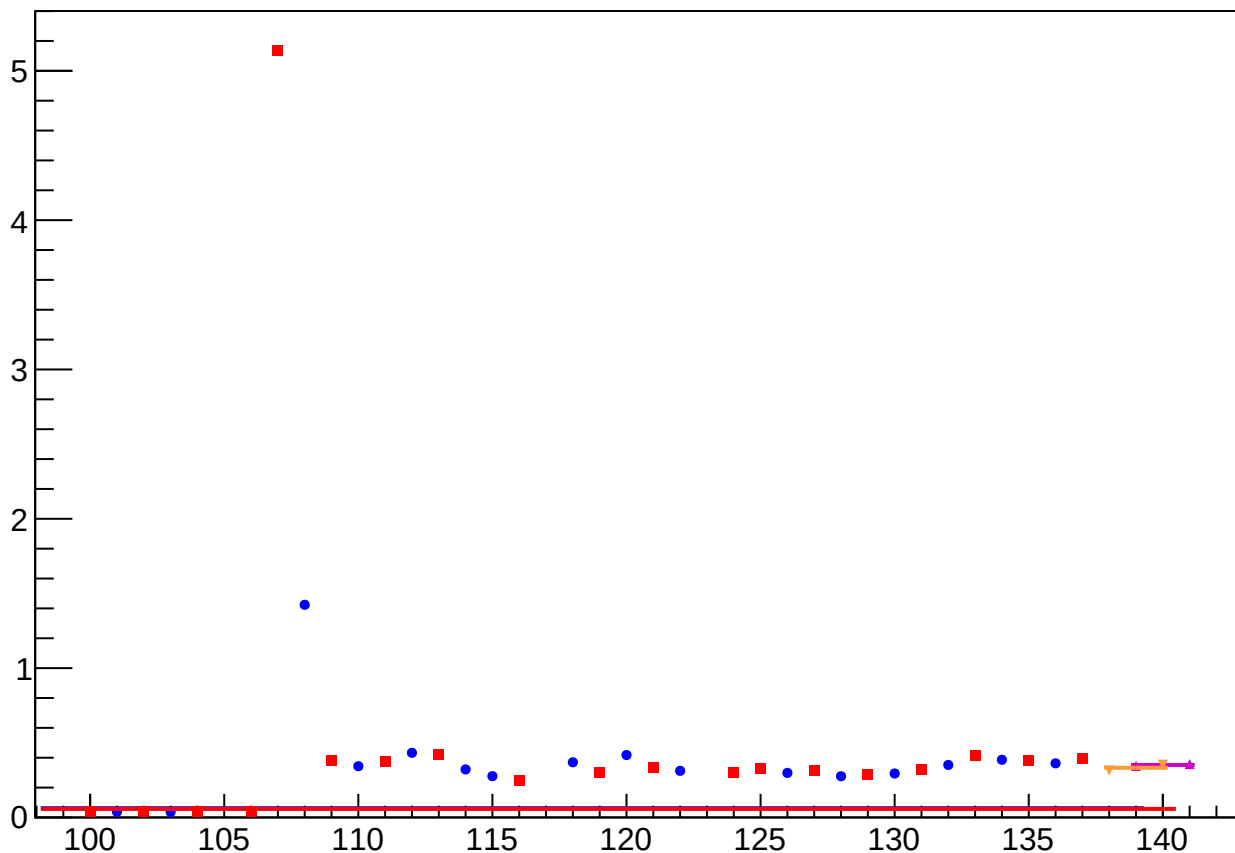
Right Out: 1865.968+/-0.000 χ^2/NDF : 142769122276045.8/18

All: 1816.124+/-0.000 χ^2/NDF : 36903010656

- sign 1831.574+/-0.000 χ^2/NDF : 18236291595894

Left In: 137.306+/-0.000 χ^2/NDF : 967280.8/1

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

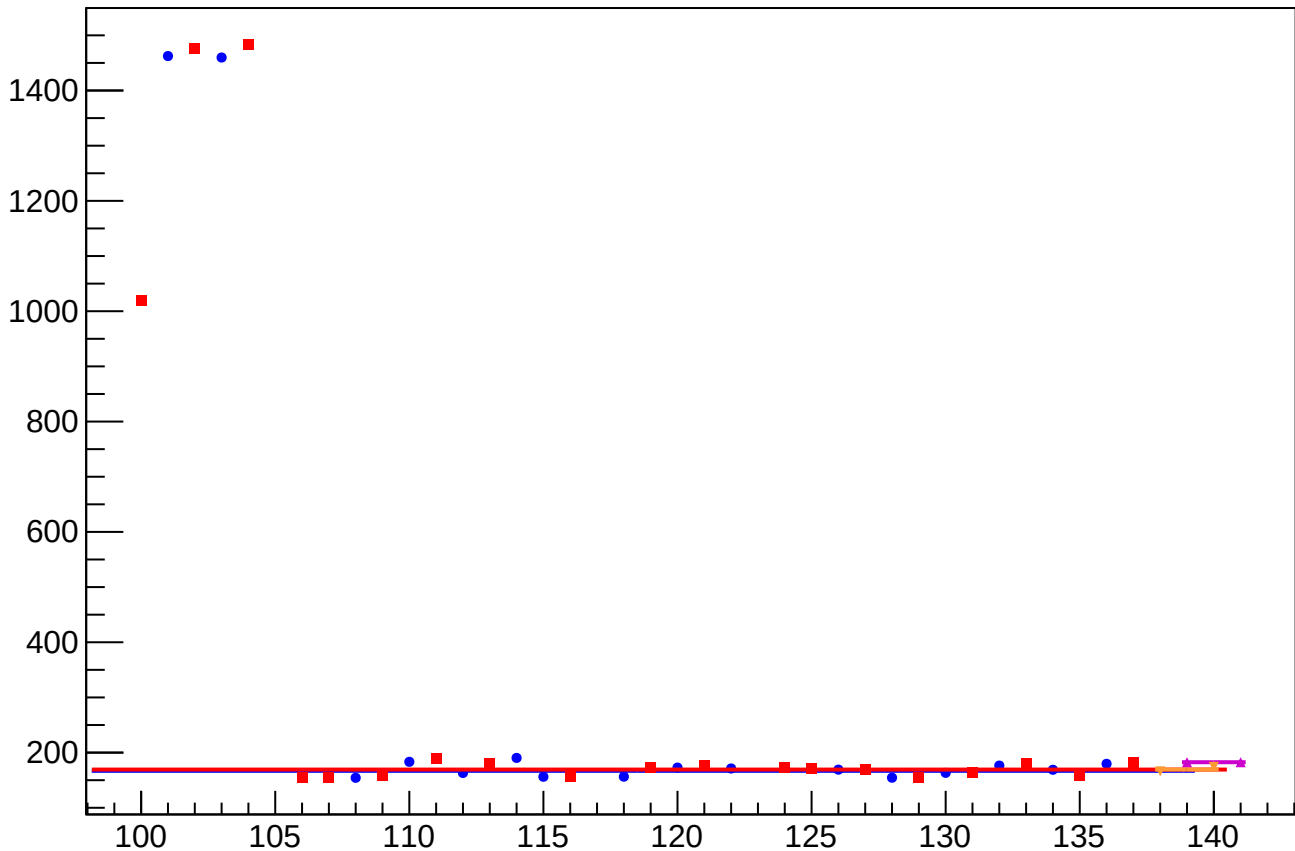
Left In: 0.351+/-0.000 χ^2/NDF :946.9/1

+ sign 0.068+/-0.000 χ^2/NDF : 10230324.8/17

All: 0.066+/-0.000 χ^2/NDF : 20283014.7/38

- sign 0.063+/-0.000 χ^2/NDF : 10035330.6/20

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF : 14614977518.5/15

Left Out: 169.346+/-0.001 χ^2/NDF :23833717.1/1

Right Out: 169.257+/-0.000 χ^2/NDF : 16317542946.8/18

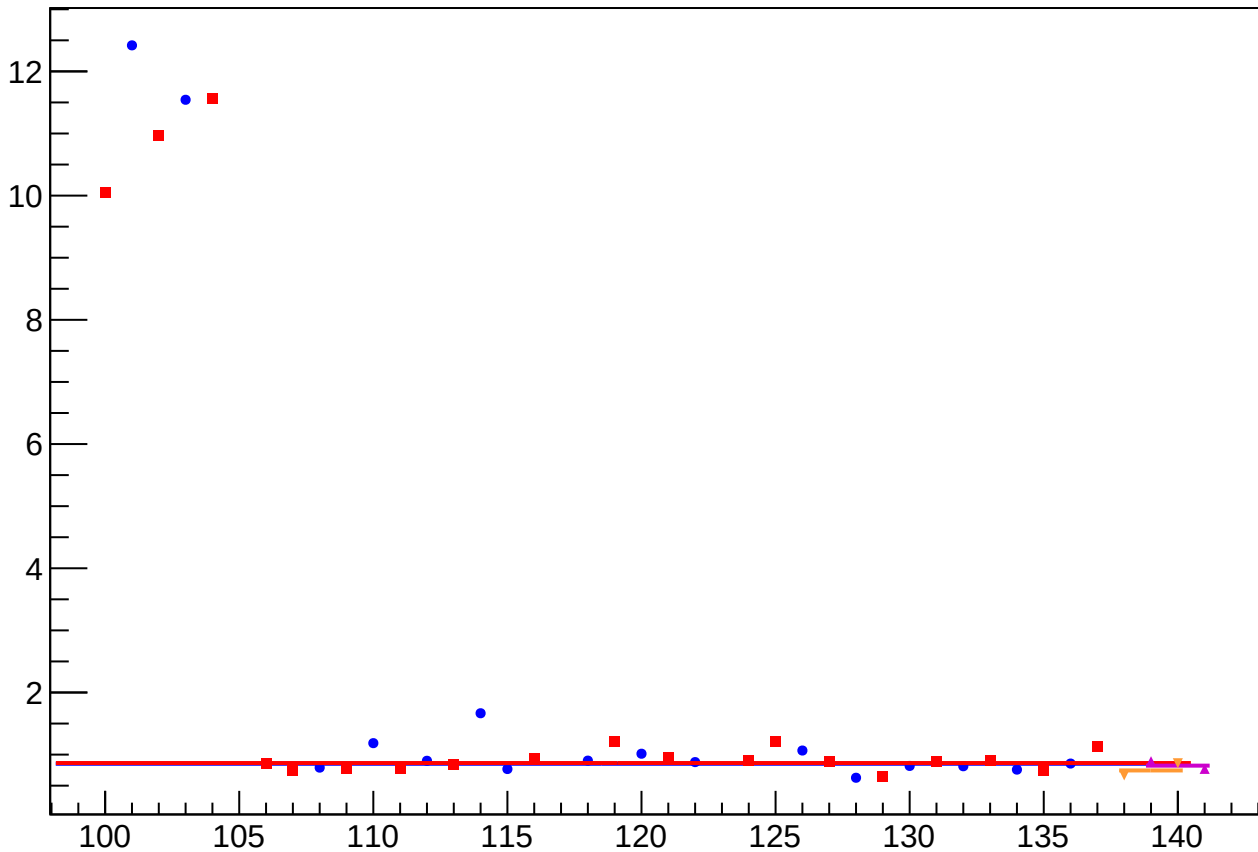
Left In: 182.589+/-0.001 χ^2/NDF :1335.8/1

+ sign 167.524+/-0.000 χ^2/NDF : 14645070421.6/17

All: 169.704+/-0.000 χ^2/NDF : 31217416261.6/20

- sign 171.880+/-0.000 χ^2/NDF : 16508061094.6/20

yield_bcm0l02_rms vs Slug



Right In: 0.853 ± 0.000 χ^2/NDF : 2302297.2/15

Left Out: 0.745 ± 0.001 χ^2/NDF : 27083.8/1

Right Out: 0.864 ± 0.000 χ^2/NDF : 2209232.6/18

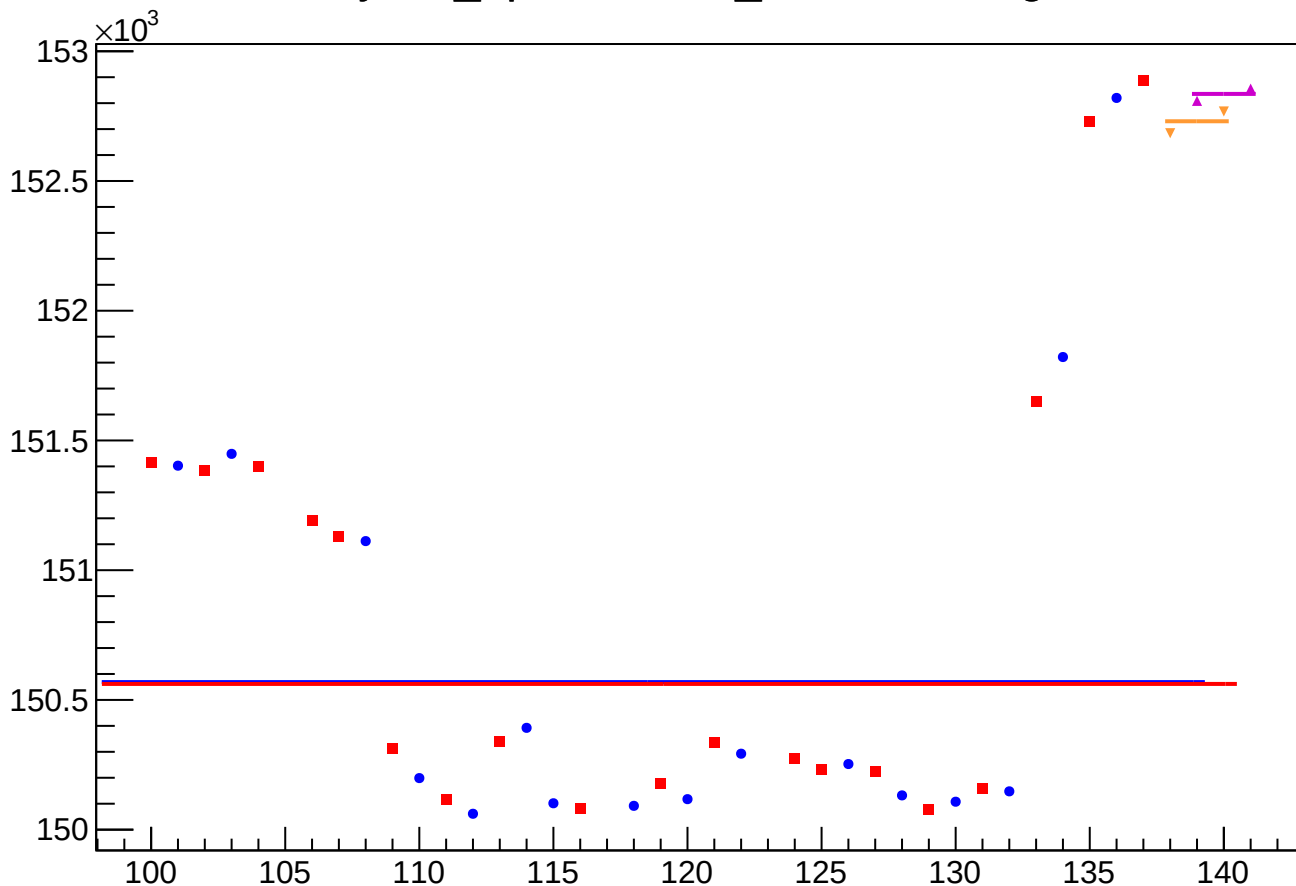
Left In: 0.822 ± 0.001 χ^2/NDF : 9777.1/1

+ sign 0.829 ± 0.000 χ^2/NDF : 2356226.0/17

All: 0.843 ± 0.000 χ^2/NDF : 4583794.4/38

- sign 0.856 ± 0.000 χ^2/NDF : 2222784.5/20

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

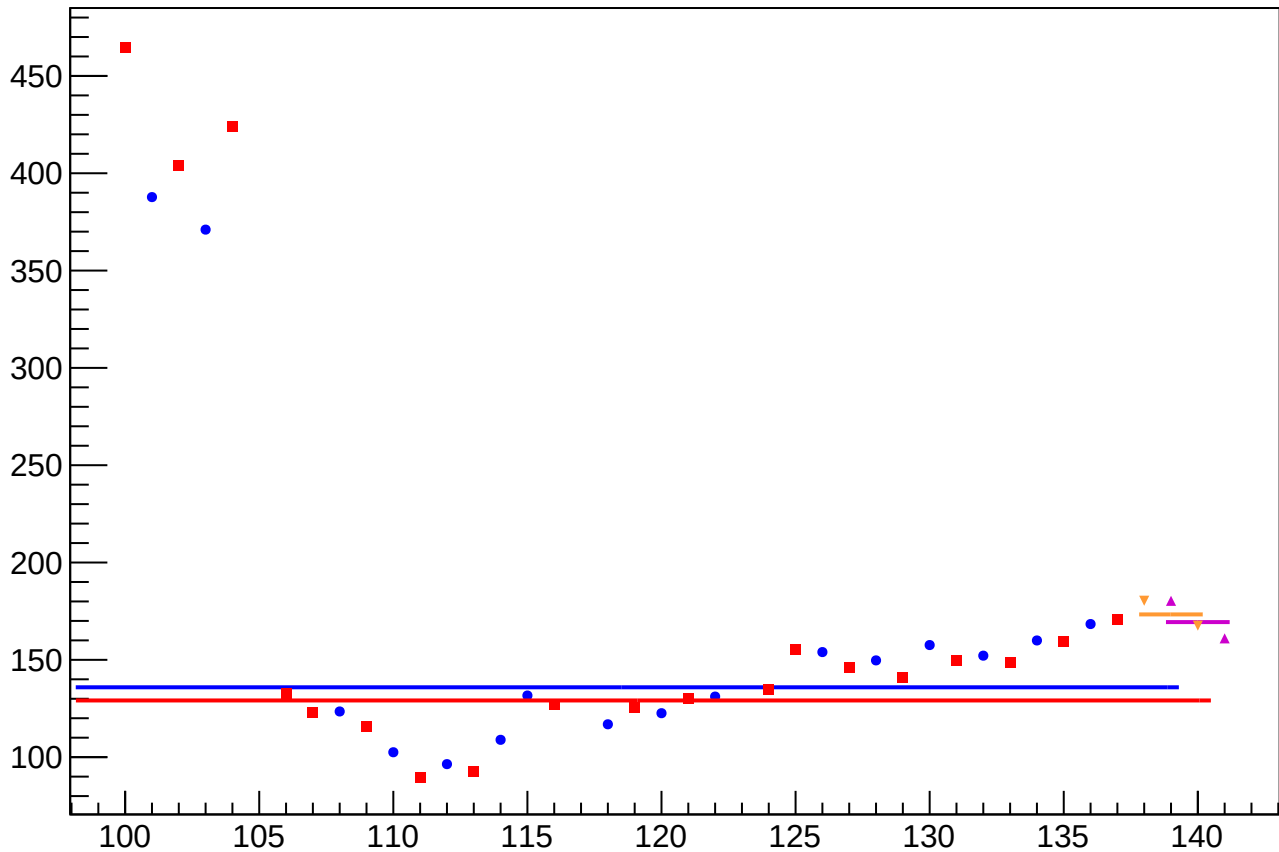
Left In: 152835.584 $\pm$ 0.130 χ^2 /NDF: 32542.5/1

+ sign 150860.374 $\pm$ 0.051 χ^2 /NDF: 448692159.0/1

All: 150863.448 $\pm$ 0.035 χ^2 /NDF: 912617214

- sign 150866.130 $\pm$ 0.047 χ^2 /NDF: 463918199.1/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF : 1416332.3/15

Left Out: 173.338+/-0.098 χ^2/NDF : 4237.2/1

Right Out: 129.130+/-0.036 χ^2/NDF : 1614311.0/18

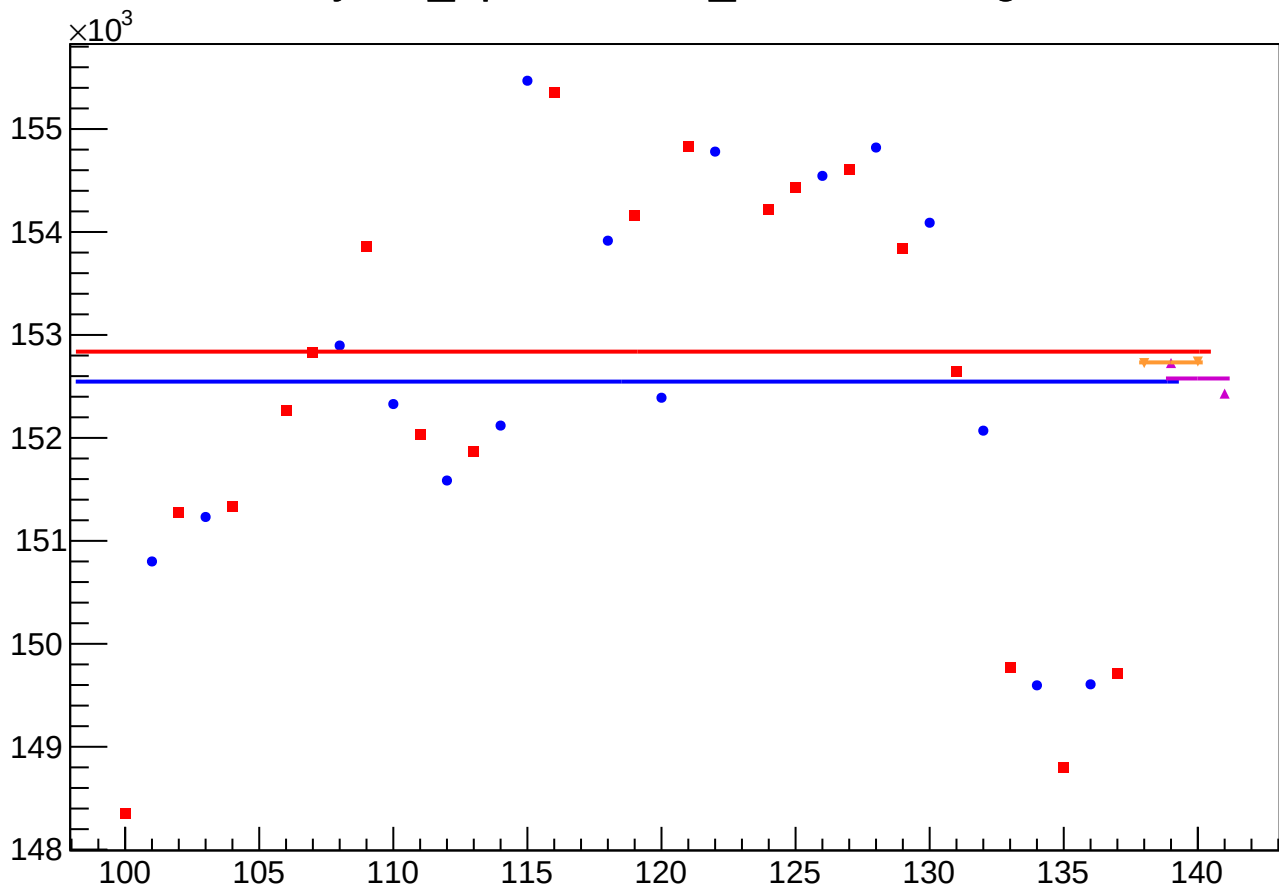
Left In: 169.395+/-0.092 χ^2/NDF : 10871.4/1

+ sign 140.950+/-0.036 χ^2/NDF : 1547459.0/17

All: 137.517+/-0.025 χ^2/NDF : 3356788.3/38

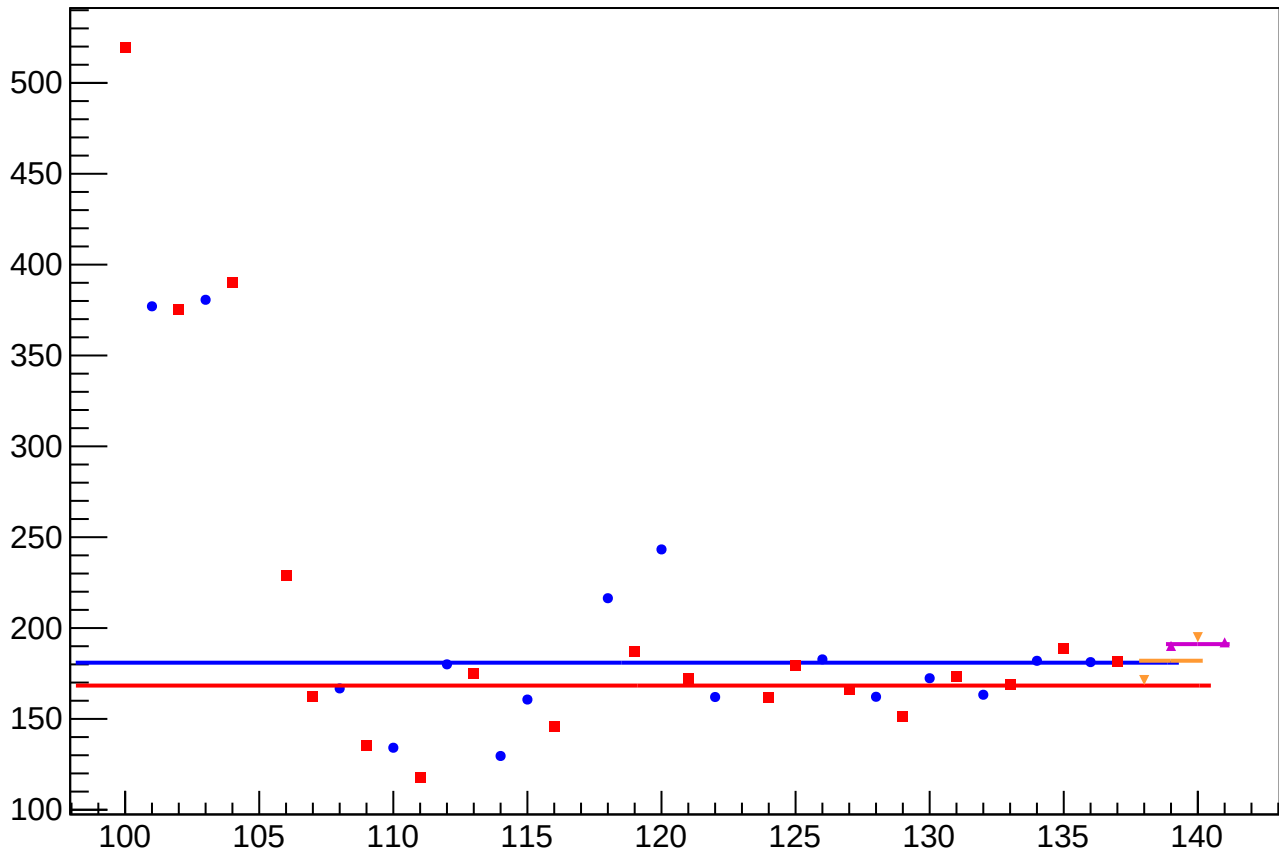
- sign 134.522+/-0.034 χ^2/NDF : 1792225.1/20

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: 152577.162 $\pm$ 0.146 χ^2 /NDF: 1028613.8/1
 + sign 152583.749 $\pm$ 0.065 χ^2 /NDF: 655846280.5/1
 All: 152695.710 $\pm$ 0.044 χ^2 /NDF: 140194997
 - sign 152793.096 $\pm$ 0.061 χ^2 /NDF: 740563880.4/20

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

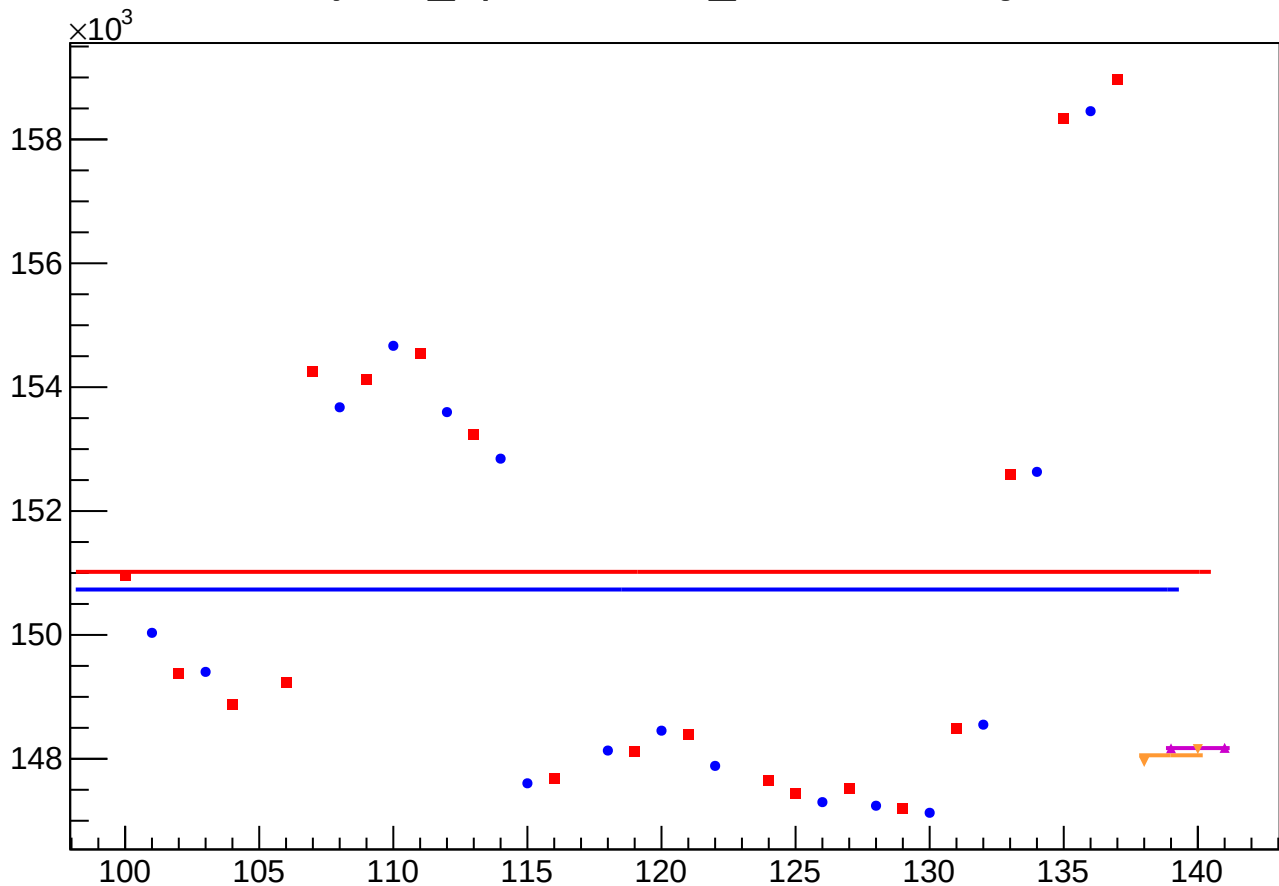
Left In: 191.163 ± 0.103 χ^2/NDF : 90.9/1

+ sign 181.152 ± 0.046 χ^2/NDF : 920717.9/17

All: 176.401 ± 0.031 χ^2/NDF : 2070092.6/38

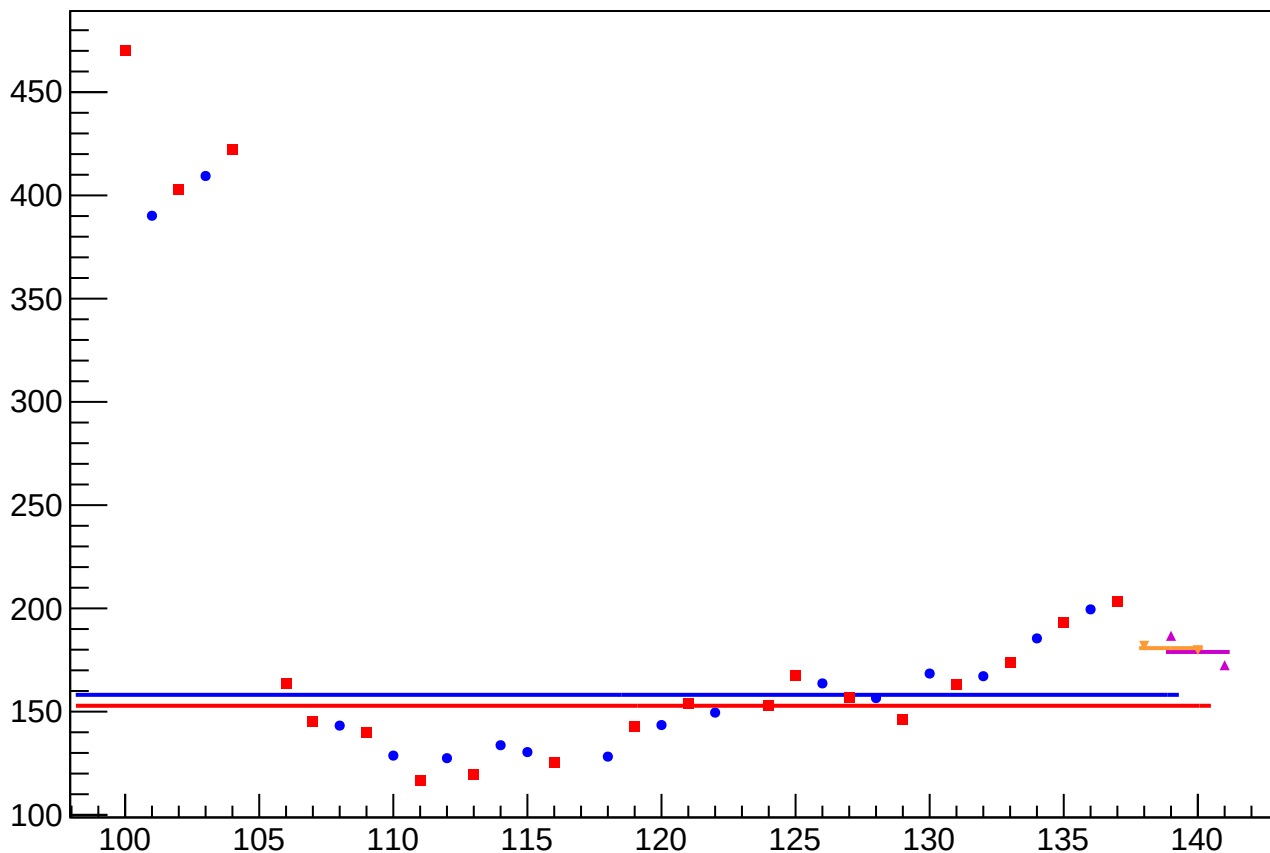
- sign 172.268 ± 0.043 χ^2/NDF : 1129424.9/20

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: 148173.306 $\pm$ 0.137 χ^2 /NDF: 933.4/1
 + sign 150305.250 $\pm$ 0.058 χ^2 /NDF: 3573936485.3
 All: 150438.065 $\pm$ 0.040 χ^2 /NDF: 723275720
 - sign 150558.915 $\pm$ 0.055 χ^2 /NDF: 3648683628.4

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

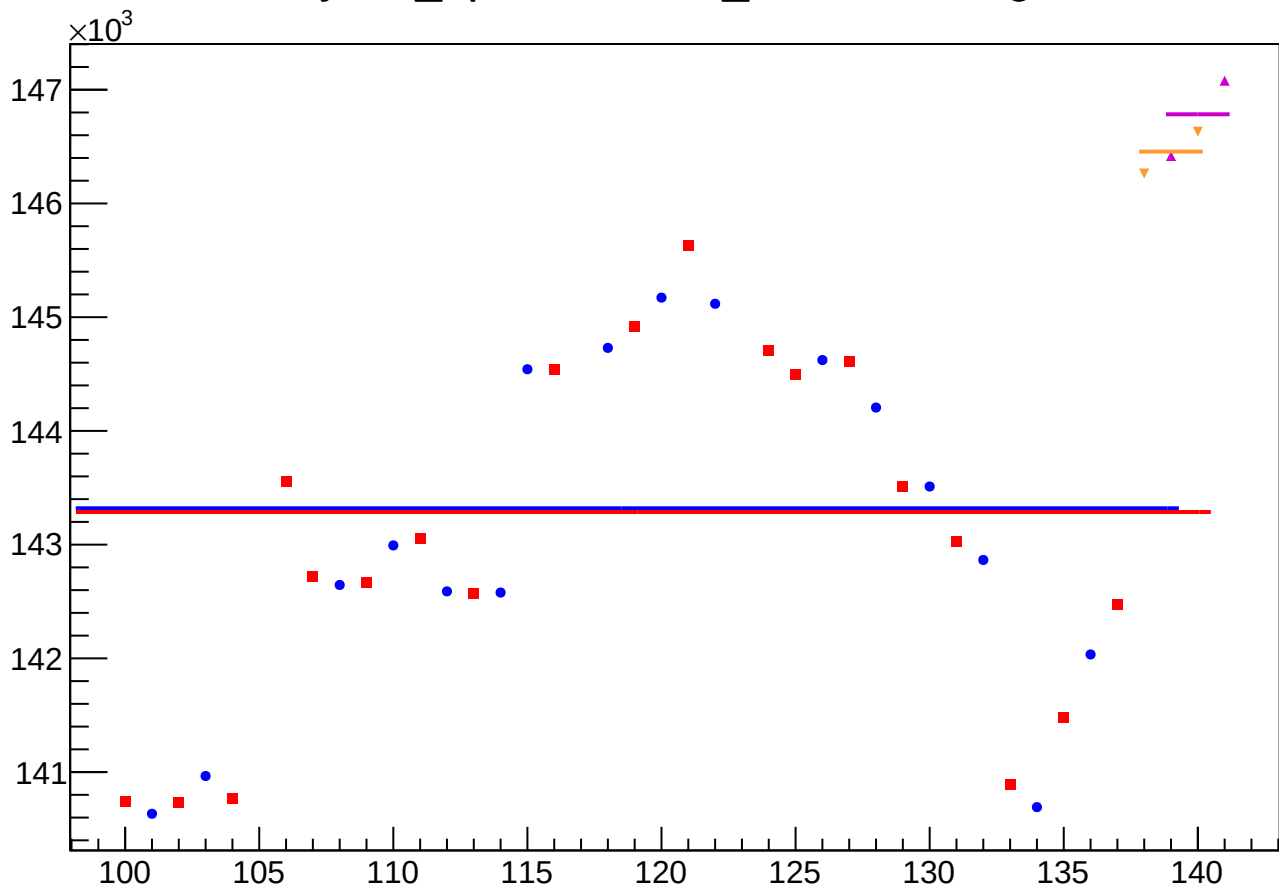
Left In: 178.899 $\pm$ 0.097 χ^2 /NDF:5364.5/1

+ sign 161.756 $\pm$ 0.041 χ^2 /NDF: 1237184.5/17

All: 159.292 $\pm$ 0.028 χ^2 /NDF: 2574582.0/38

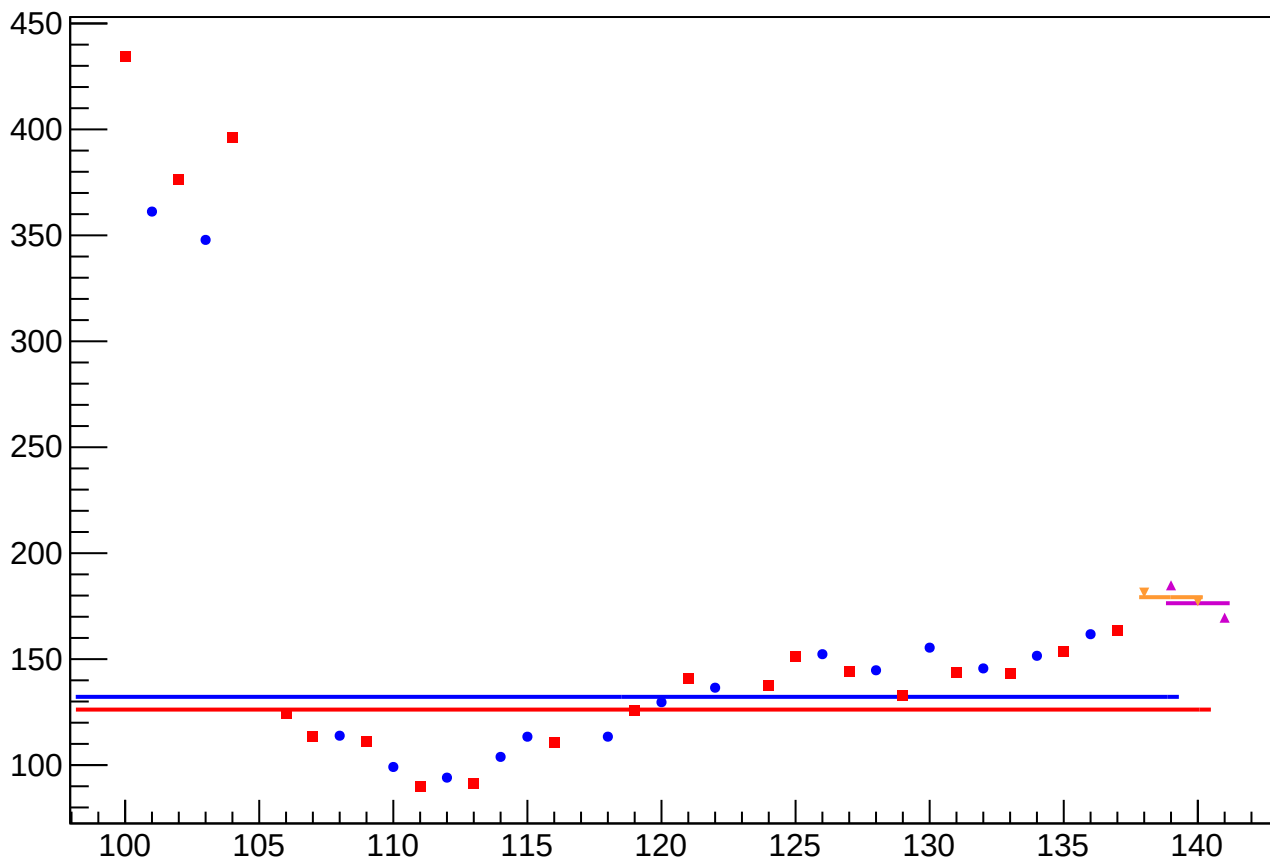
- sign 157.050 $\pm$ 0.039 χ^2 /NDF: 1330420.4/20

yield_bpm0i01aWS_mean vs Slug



Right In: 143319.651 ± 0.053 $\chi^2/\text{NDF}: 559301530.7/15$ $+ \text{sign } 143700.796 \pm 0.050$ $\chi^2/\text{NDF}: 984548169.2/1$
 Left Out: 146456.095 ± 0.143 $\chi^2/\text{NDF}: 1660798.9/1$ All: 143703.177 ± 0.034 $\chi^2/\text{NDF}: 220309186$
 Right Out: 143286.960 ± 0.050 $\chi^2/\text{NDF}: 620521577.8/18$ $- \text{sign } 143705.266 \pm 0.047$ $\chi^2/\text{NDF}: 1218539406.8/1$
 Left In: 146784.069 ± 0.135 $\chi^2/\text{NDF}: 5949951.8/1$

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

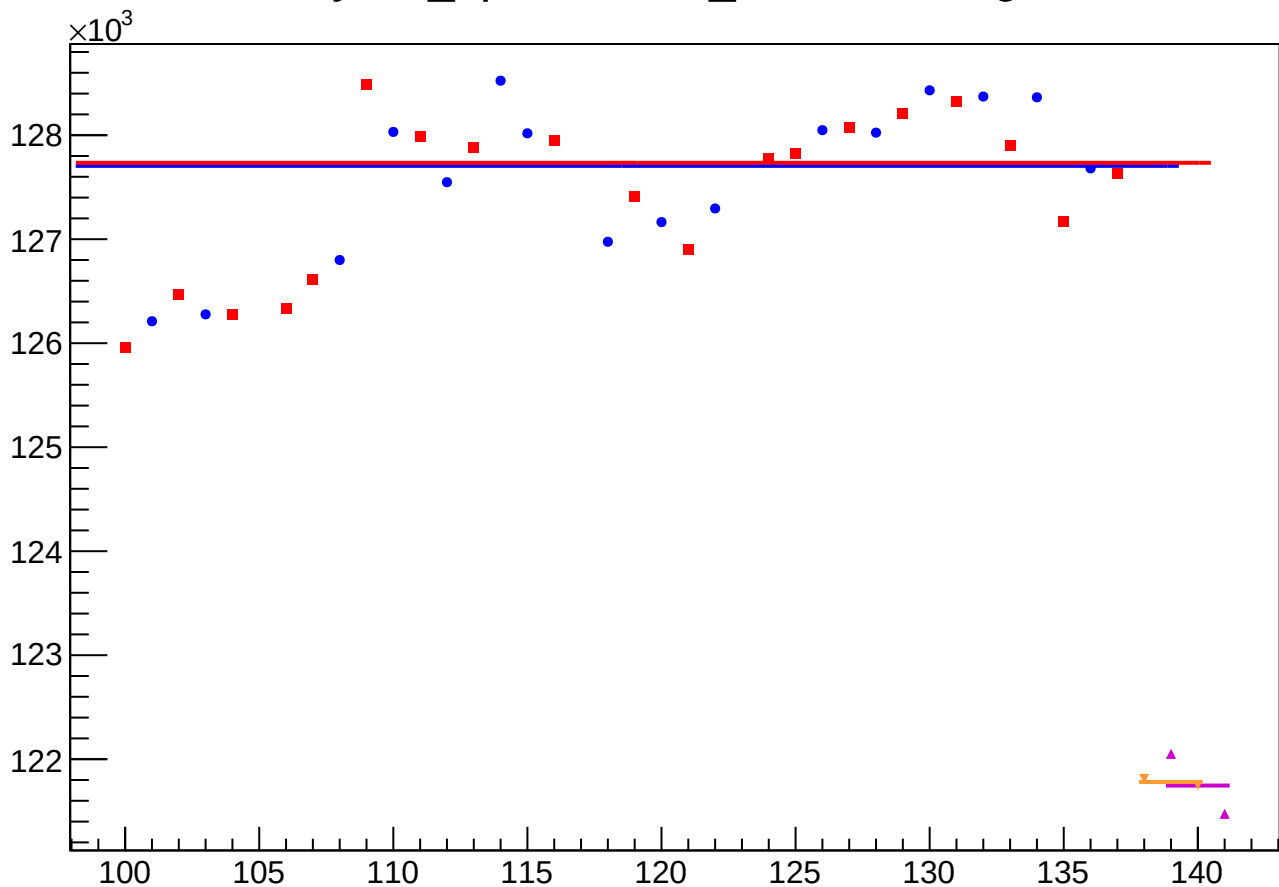
Left In: 176.389 $\pm$ 0.095 χ^2 /NDF:6350.4/1

+ sign 137.919 $\pm$ 0.035 χ^2 /NDF: 1570059.5/17

All: 134.871 $\pm$ 0.024 χ^2 /NDF: 3379499.8/38

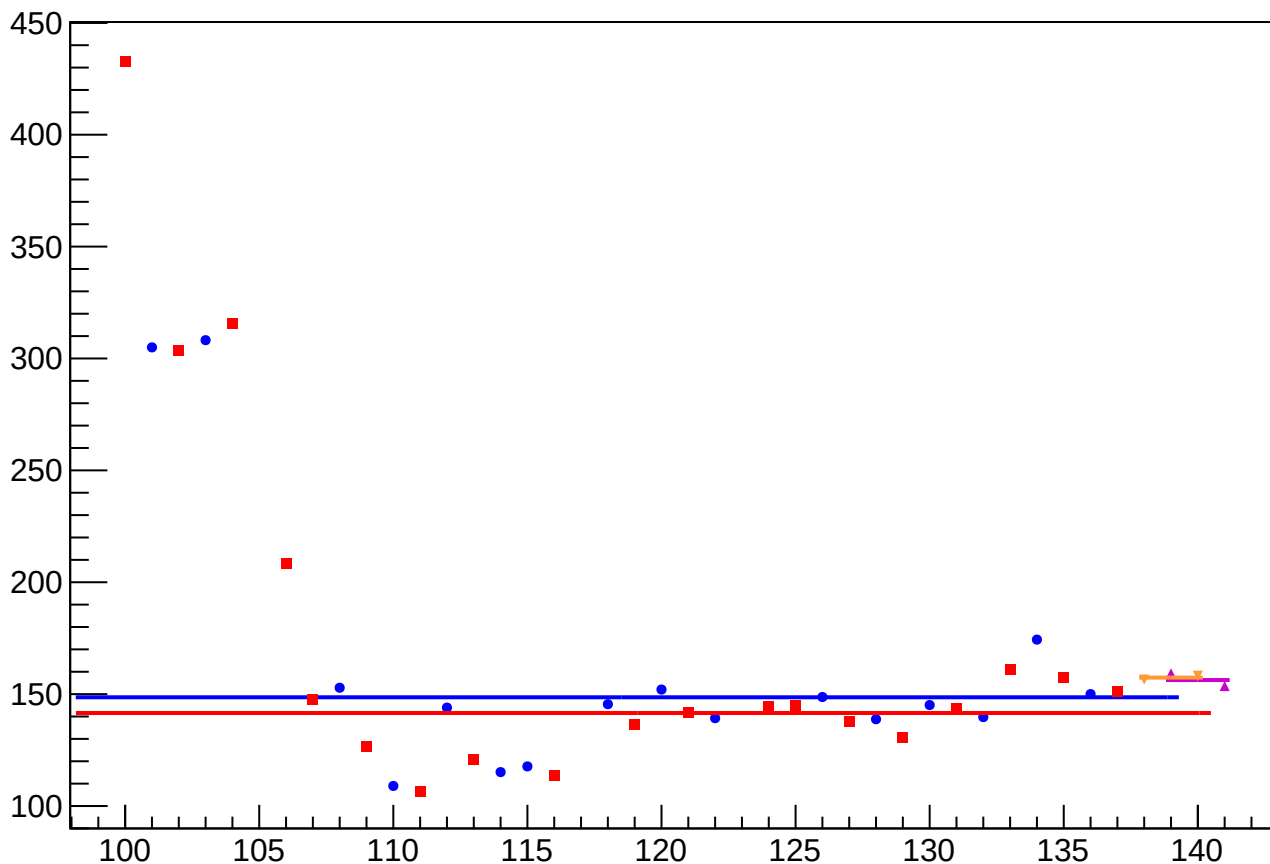
- sign 132.196 $\pm$ 0.033 χ^2 /NDF: 1795362.4/20

yield_bpm0l01WS_mean vs Slug



Right In: 127705.222 $\pm$ 0.058 χ^2 /NDF: 104467207.7/15
 Left Out: 121780.451 $\pm$ 0.127 χ^2 /NDF: 52704.9/1
 Right Out: 127734.542 $\pm$ 0.055 χ^2 /NDF: 109469333.8/18
 Left In: 121746.469 $\pm$ 0.120 χ^2 /NDF: 5742424.9/1
 + sign 126674.091 $\pm$ 0.053 χ^2 /NDF: 1894791231.3
 All: 126686.820 $\pm$ 0.036 χ^2 /NDF: 406830482
 - sign 126698.082 $\pm$ 0.050 χ^2 /NDF: 2173405249.4/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593 $\pm$ 0.041 χ^2 /NDF: 827701.4/15

Left Out: 157.392 $\pm$ 0.090 χ^2 /NDF: 93.1/1

Right Out: 141.563 $\pm$ 0.039 χ^2 /NDF: 1001225.3/18

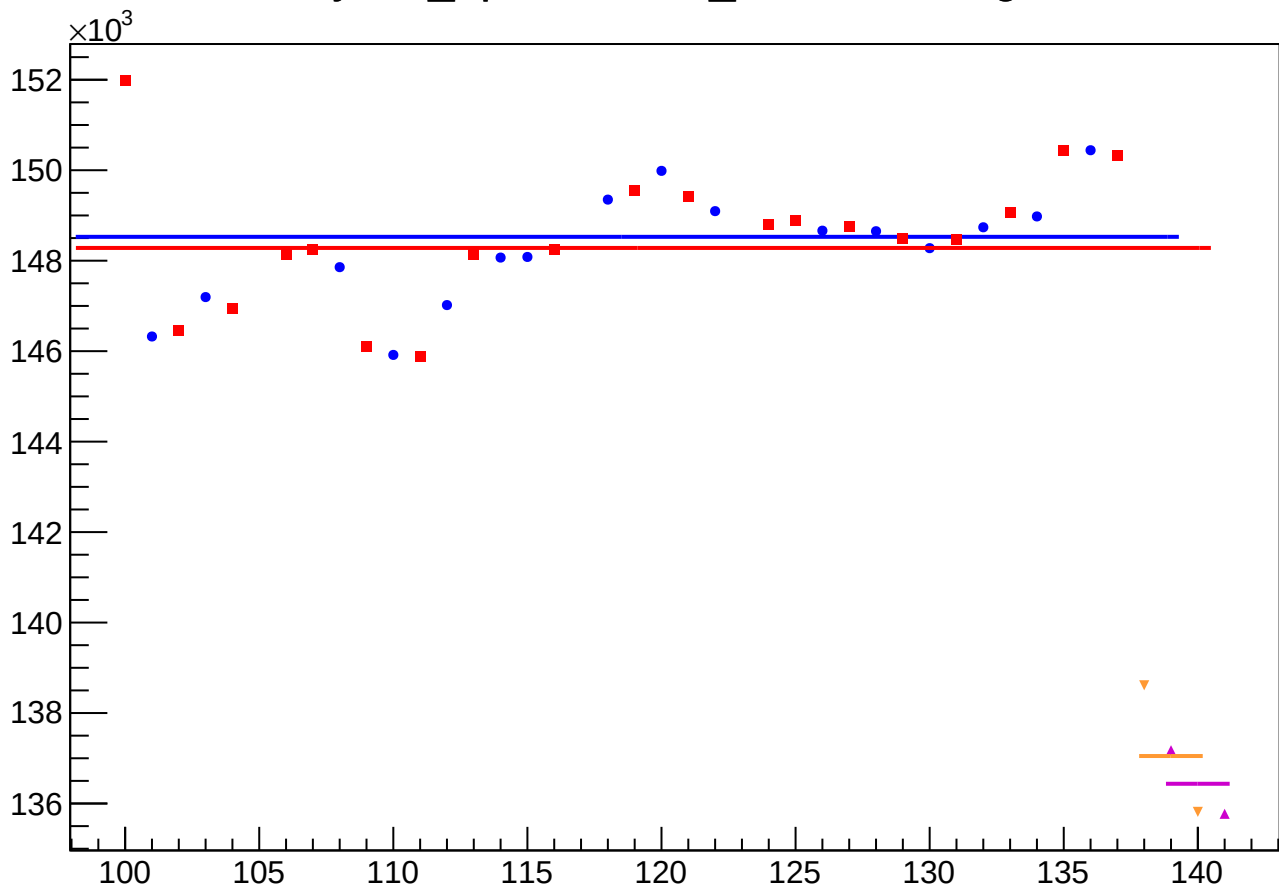
Left In: 156.298 $\pm$ 0.085 χ^2 /NDF: 1119.5/1

+ sign 150.124 $\pm$ 0.038 χ^2 /NDF: 835691.7/17

All: 146.935 $\pm$ 0.026 χ^2 /NDF: 1876564.0/38

- sign 144.113 $\pm$ 0.035 χ^2 /NDF: 1027268.9/20

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

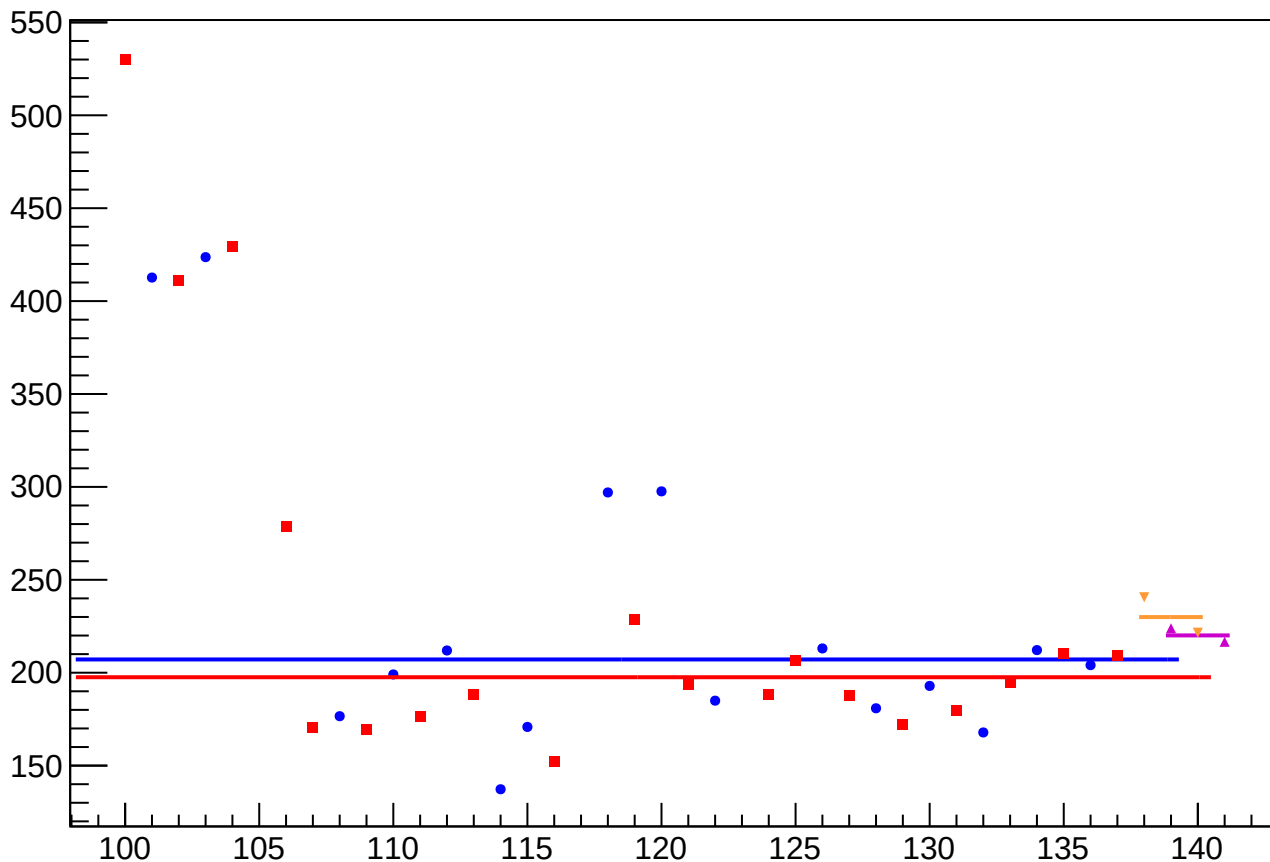
Left In: 136436.198 $\pm$ 0.168 χ^2 /NDF: 17346779.2/1

+ sign 146635.689 $\pm$ 0.075 χ^2 /NDF: 3500355271.0

All: 146429.844 $\pm$ 0.051 χ^2 /NDF: 792553008

- sign 146251.351 $\pm$ 0.070 χ^2 /NDF: 4411066140.5

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF : 972216.9/15

Left Out: 229.945+/-0.130 χ^2/NDF : 5264.0/1

Right Out: 197.571+/-0.054 χ^2/NDF : 903999.3/18

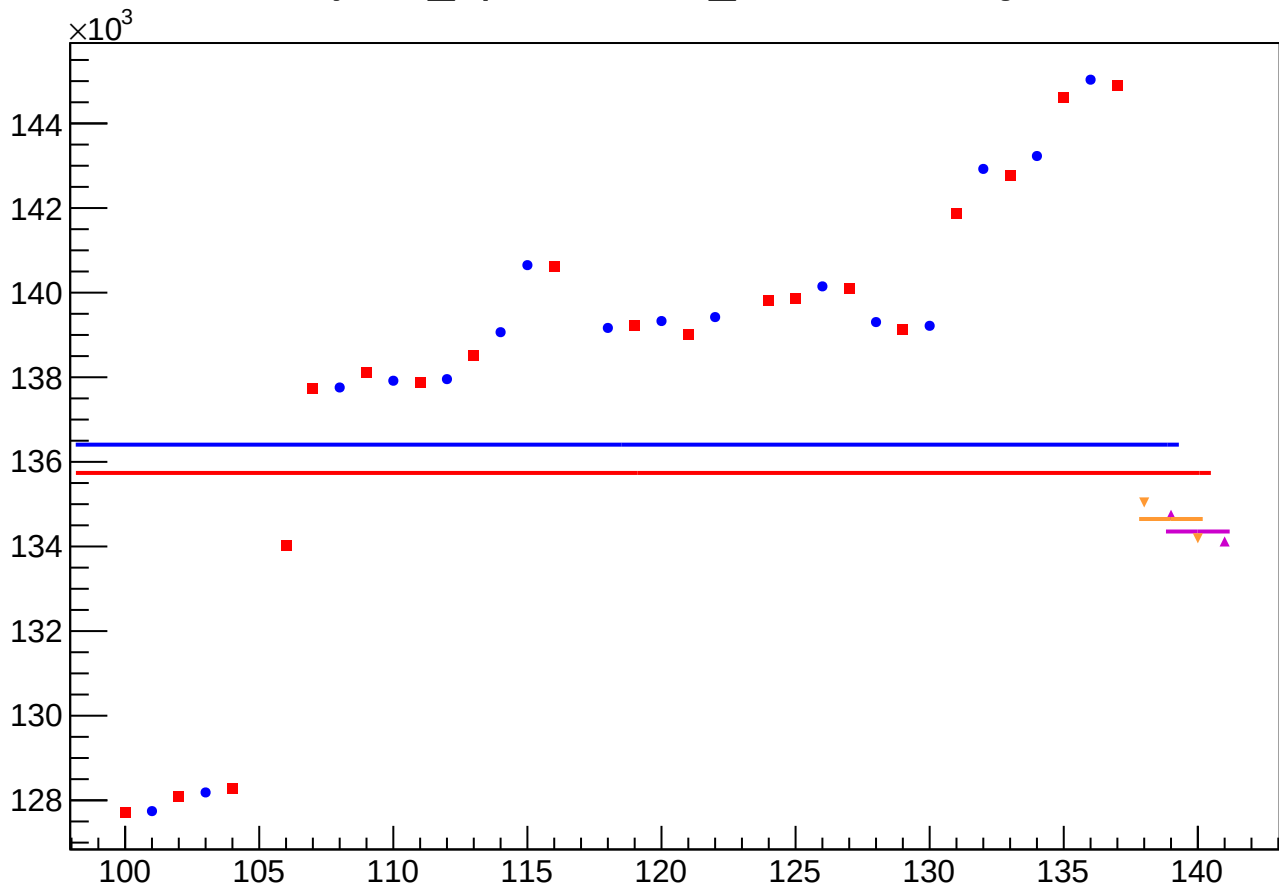
Left In: 220.077+/-0.119 χ^2/NDF : 923.8/1

+ sign 210.895+/-0.053 χ^2/NDF : 1003026.6/17

All: 205.825+/-0.036 χ^2/NDF : 1954657.2/38

- sign 201.429+/-0.049 χ^2/NDF : 934514.9/20

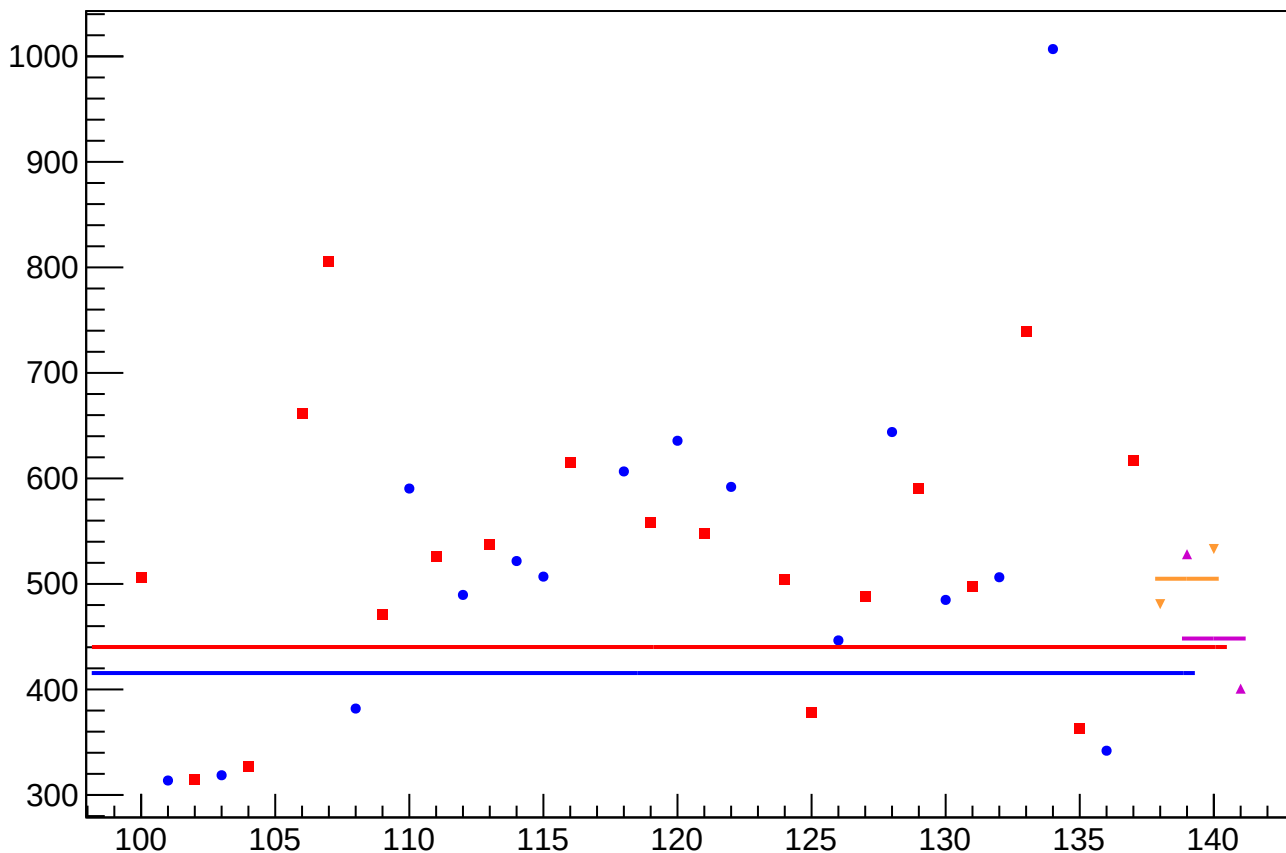
yield_bpm0l03WS_mean vs Slug



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: 134353.931 $\pm$ 0.394 χ^2 /NDF: 600089.9/1

+ sign 136163.090 $\pm$ 0.156 χ^2 /NDF: 1593158849.7
 All: 135844.524 $\pm$ 0.112 χ^2 /NDF: 278672472
 - sign 135506.346 $\pm$ 0.161 χ^2 /NDF: 1185017489.1/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547 +/- 0.119 χ^2/NDF : 1031600.7/15

Left Out: 504.927 +/- 0.297 χ^2/NDF : 7695.4/1

Right Out: 440.218 +/- 0.125 χ^2/NDF : 910790.1/18

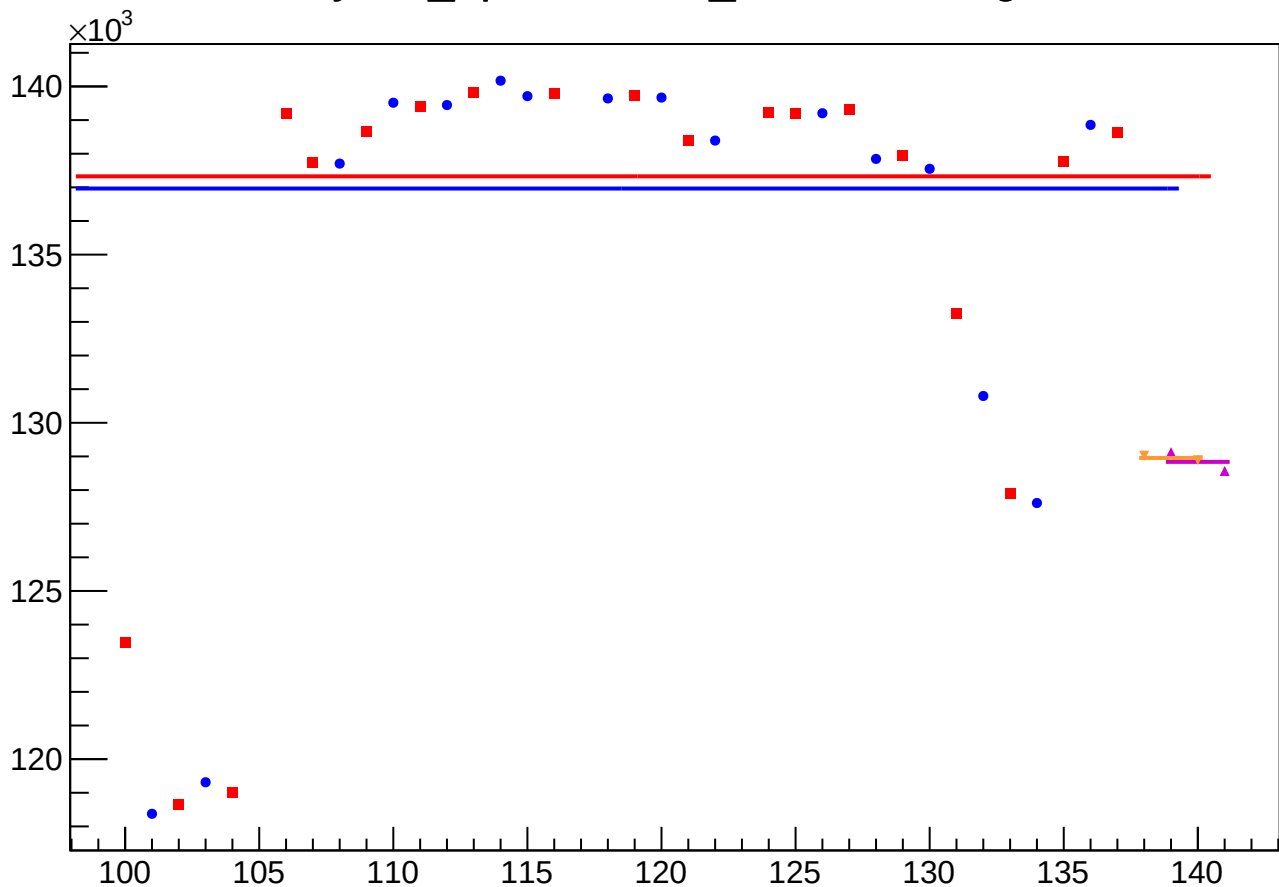
Left In: 448.264 +/- 0.278 χ^2/NDF : 48966.4/1

+ sign 427.950 +/- 0.111 χ^2/NDF : 1117317.1/17

All: 434.555 +/- 0.079 χ^2/NDF : 2085117.5/38

- sign 441.566 +/- 0.114 χ^2/NDF : 960451.8/20

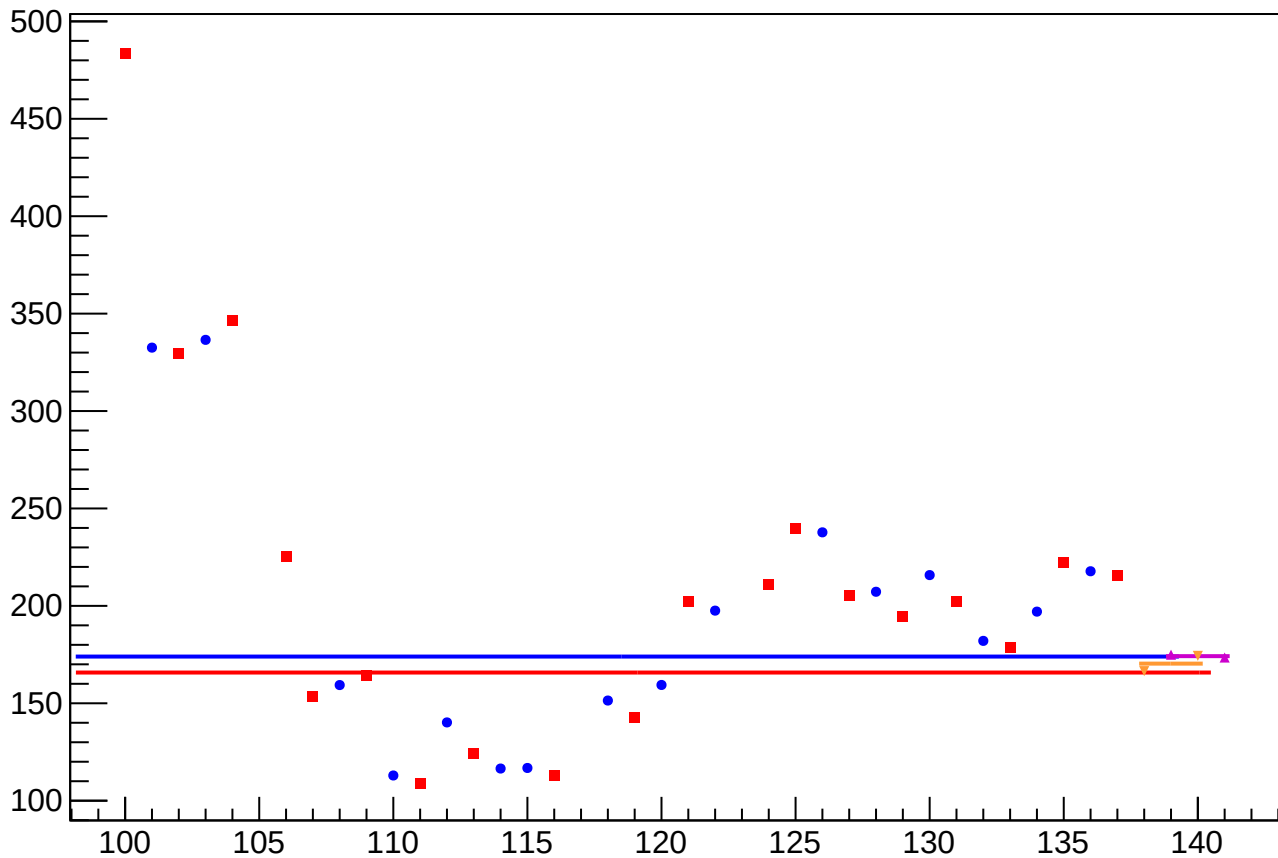
yield_bpm0l04WS_mean vs Slug



Right In: 136964.958 ± 0.070 $\chi^2/\text{NDF}: 5807770301.4/15$
 Left Out: 128953.845 ± 0.137 $\chi^2/\text{NDF}: 245316.1/1$
 Right Out: 137327.469 ± 0.066 $\chi^2/\text{NDF}: 5737745895.7/18$
 Left In: 128838.202 ± 0.133 $\chi^2/\text{NDF}: 4370733.1/1$

+ sign 135310.638 ± 0.062 $\chi^2/\text{NDF}: 8533892413.2/1$
 All: 135500.520 ± 0.043 $\chi^2/\text{NDF}: 175583678.1/1$
 - sign 135671.149 ± 0.059 $\chi^2/\text{NDF}: 9006731433.3/1$

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF : 1188493.1/15

Left Out: 170.356+/-0.097 χ^2/NDF : 1650.8/1

Right Out: 165.780+/-0.046 χ^2/NDF : 1433162.4/18

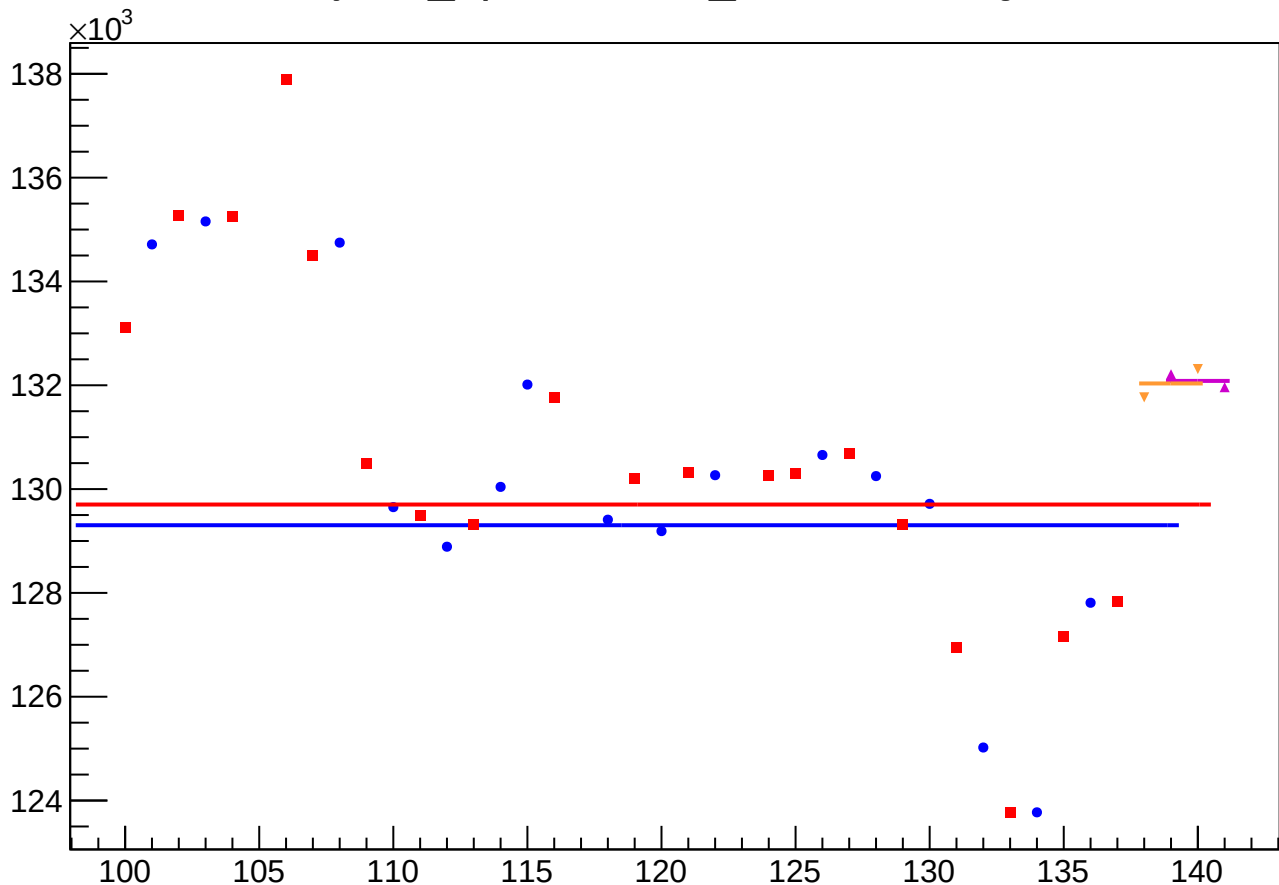
Left In: 174.192+/-0.094 χ^2/NDF : 59.0/1

+ sign 173.233+/-0.044 χ^2/NDF : 1191260.9/17

All: 170.172+/-0.030 χ^2/NDF : 2640114.4/38

- sign 167.422+/-0.042 χ^2/NDF : 1439632.4/20

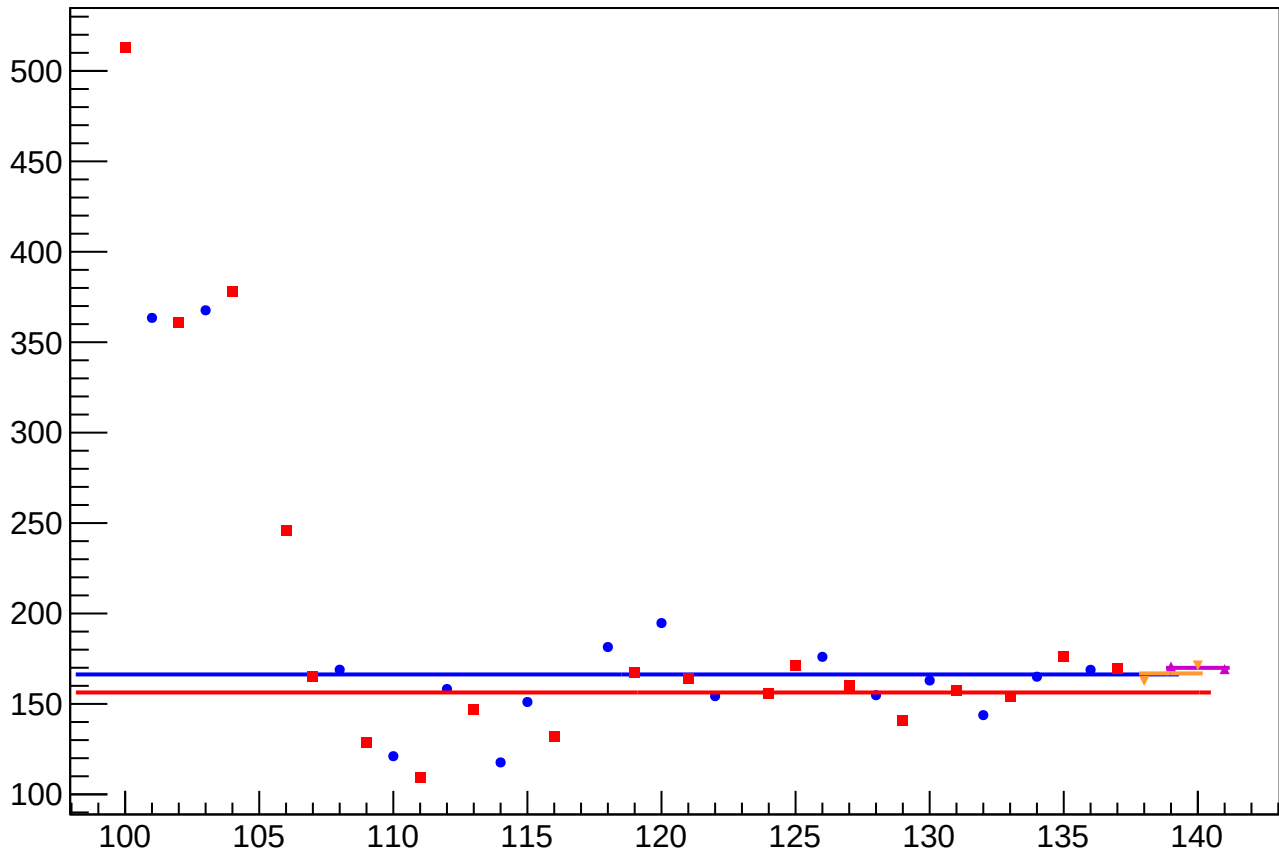
yield_bpm0l05WS_mean vs Slug



Right In: 129303.894 ± 0.066 $\chi^2/\text{NDF}: 1650235360.7/15$
 Left Out: 132034.880 ± 0.134 $\chi^2/\text{NDF}: 4130763.7/1$
 Right Out: 129702.568 ± 0.062 $\chi^2/\text{NDF}: 1777723481.2/18$
 Left In: 132083.984 ± 0.130 $\chi^2/\text{NDF}: 915437.1/1$

+ sign 129838.799 ± 0.059 $\chi^2/\text{NDF}: 1987690139.4$
 All: 129998.178 ± 0.041 $\chi^2/\text{NDF}: 405373362$
 - sign 130138.137 ± 0.056 $\chi^2/\text{NDF}: 2052506075.8/$

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

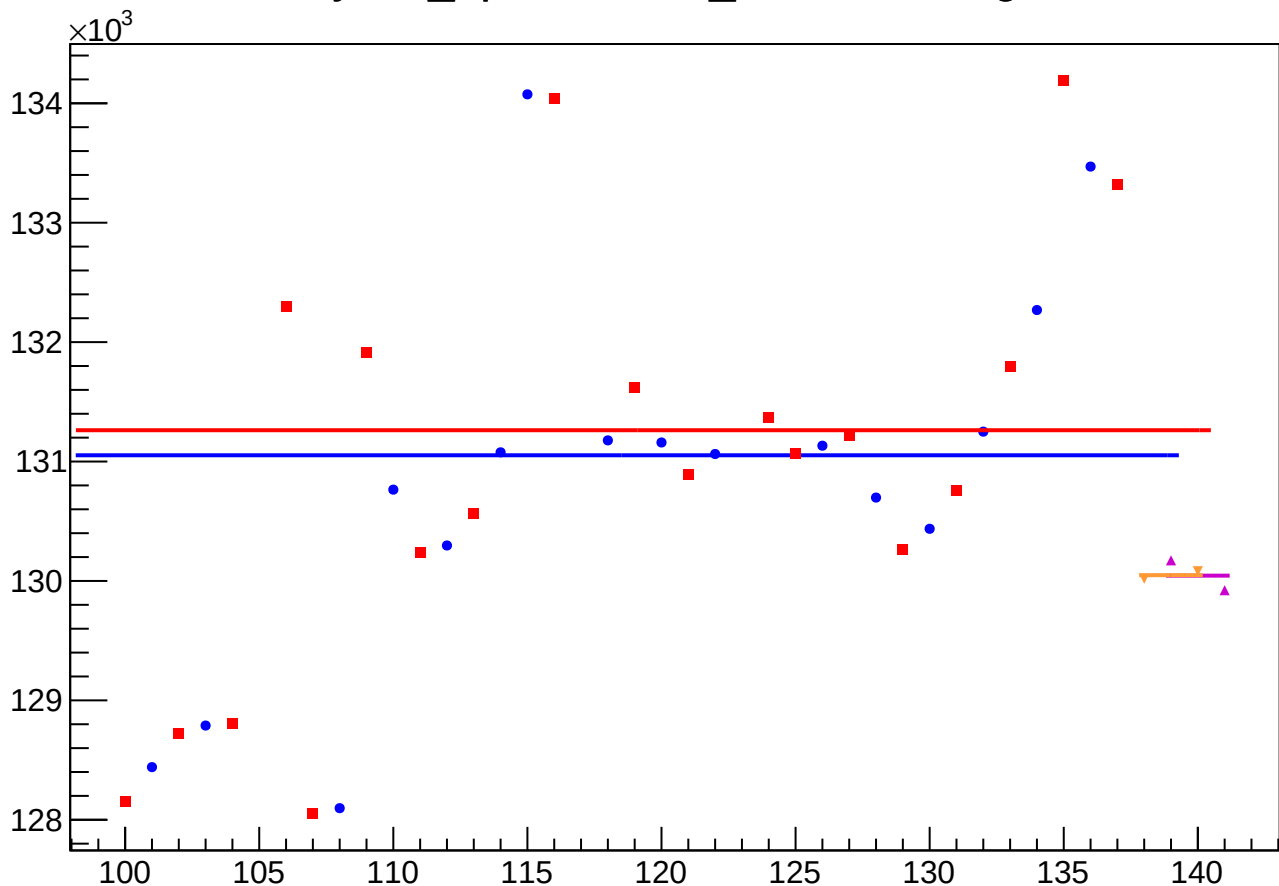
Left In: 169.946 $\pm$ 0.092 χ^2 /NDF:58.7/1

+ sign 166.414 $\pm$ 0.042 χ^2 /NDF: 940022.6/17

All: 162.373 $\pm$ 0.029 χ^2 /NDF: 2148220.0/38

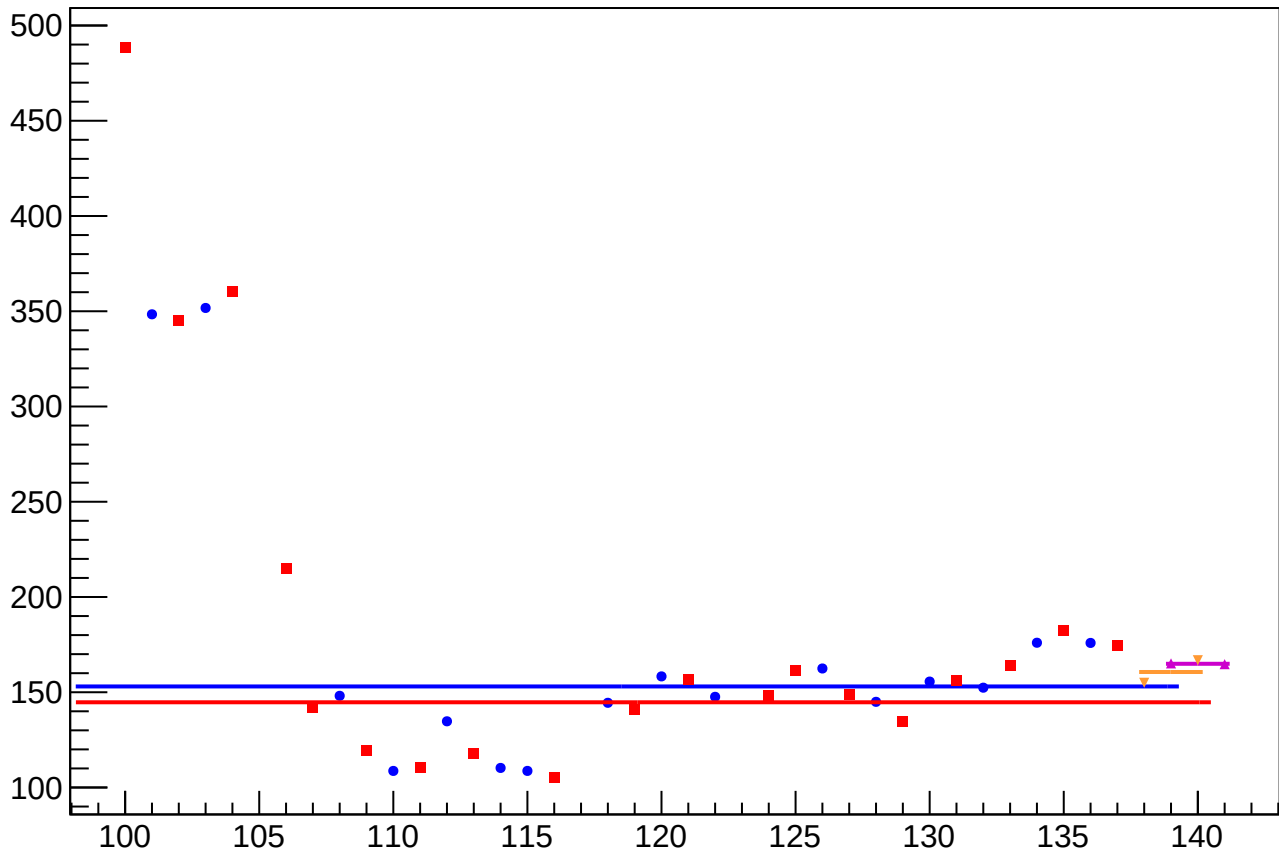
- sign 158.824 $\pm$ 0.039 χ^2 /NDF: 1190790.0/20

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
 Right Out: 131262.232 $\pm$ 0.057 χ^2 /NDF: 604278186.1/18
 Left In: 130044.419 $\pm$ 0.126 χ^2 /NDF: 985340.1/1
 + sign 130869.872 $\pm$ 0.055 χ^2 /NDF: 573621740.1/1
 All: 130969.316 $\pm$ 0.038 χ^2 /NDF: 126270069
 - sign 131057.608 $\pm$ 0.052 χ^2 /NDF: 682873946.6/2

yield_bpm0l06WS_rms vs Slug



Right In: 153.043 $\pm$ 0.043 χ^2 /NDF: 1059470.3/15

Left Out: 160.629 $\pm$ 0.091 χ^2 /NDF: 4219.9/1

Right Out: 144.731 $\pm$ 0.040 χ^2 /NDF: 1263423.6/18

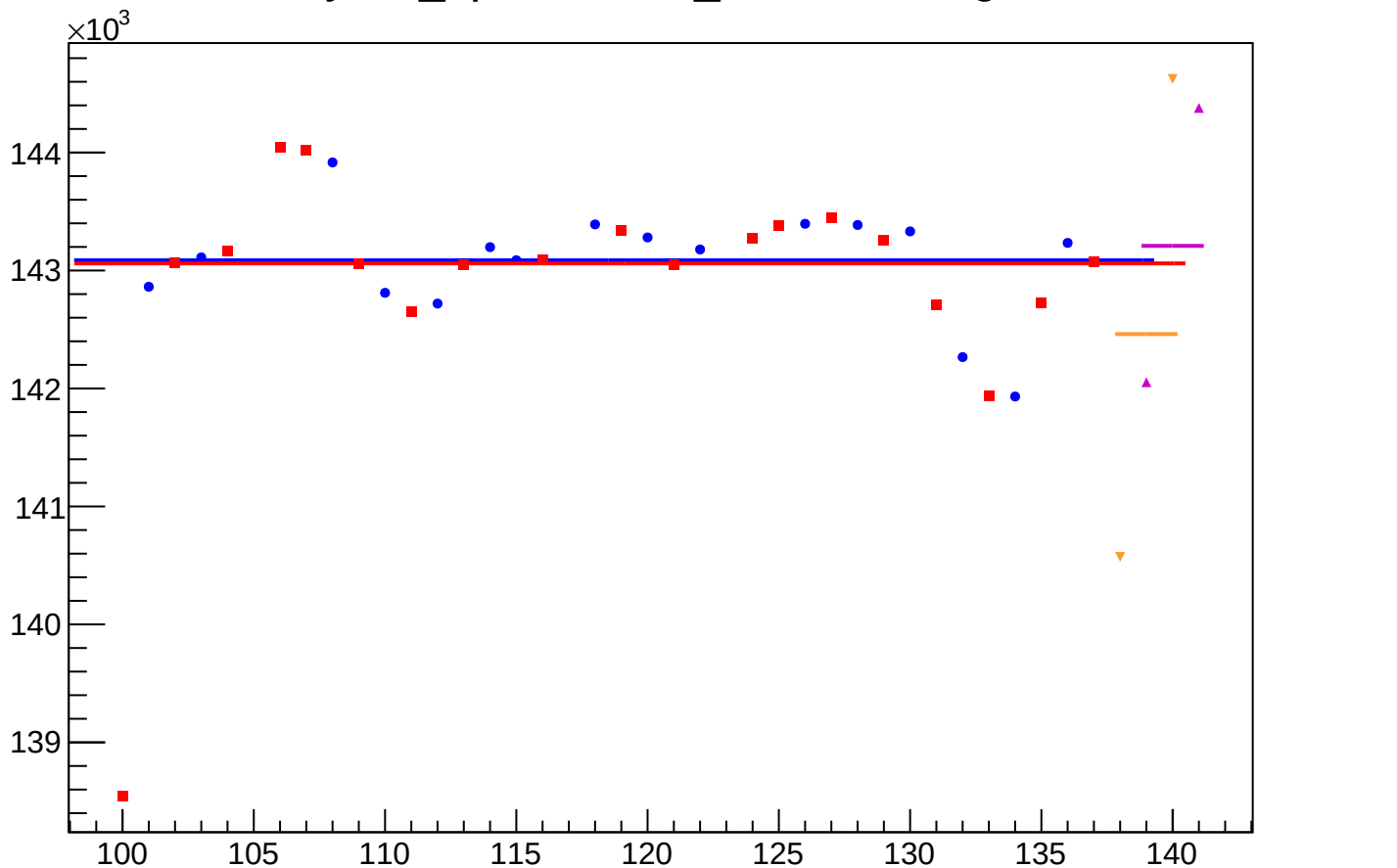
Left In: 164.937 $\pm$ 0.089 χ^2 /NDF: 5.4/1

+ sign 154.422 $\pm$ 0.039 χ^2 /NDF: 1069380.4/17

All: 151.087 $\pm$ 0.027 χ^2 /NDF: 2389499.6/38

- sign 148.126 $\pm$ 0.037 χ^2 /NDF: 1306162.3/20

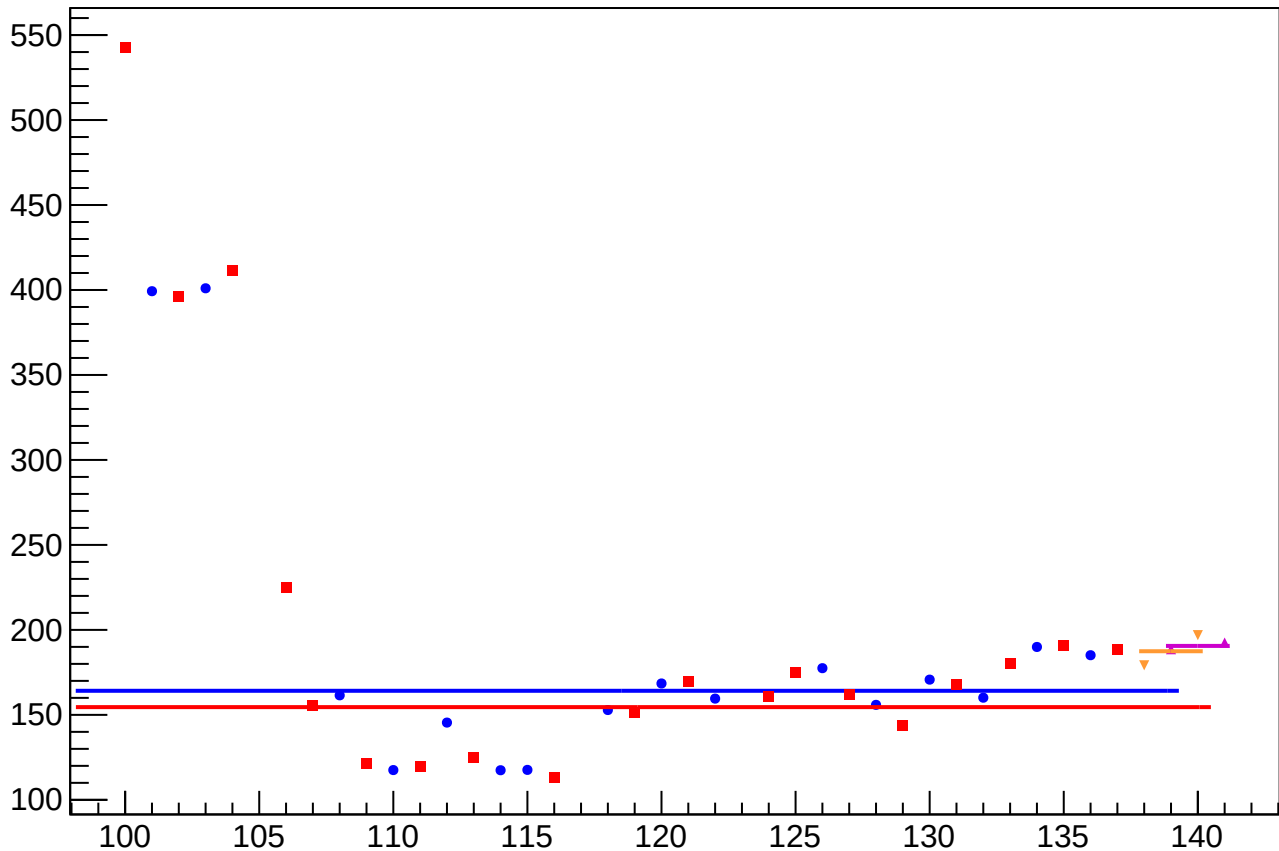
yield_bpm0l07WS_mean vs Slug



Right In: 143086.477 ± 0.065 $\chi^2/\text{NDF}: 46726277.8/15$
 Left Out: 142461.245 ± 0.152 $\chi^2/\text{NDF}: 177719404.7/1$
 Right Out: 143060.268 ± 0.061 $\chi^2/\text{NDF}: 51715744.7/18$
 Left In: 143208.876 ± 0.147 $\chi^2/\text{NDF}: 62909951.2/1$

+ sign 142989.198 ± 0.060 $\chi^2/\text{NDF}: 238804573.9/1$
 All: 143038.607 ± 0.041 $\chi^2/\text{NDF}: 355589897$
 - sign 143081.998 ± 0.056 $\chi^2/\text{NDF}: 115503407.1/2$

yield_bpm0l07WS_rms vs Slug



Right In: 164.167 $\pm$ 0.046 χ^2 /NDF: 1129764.4/15

Left Out: 187.437 $\pm$ 0.107 χ^2 /NDF: 6813.1/1

Right Out: 154.558 $\pm$ 0.043 χ^2 /NDF: 1366830.5/18

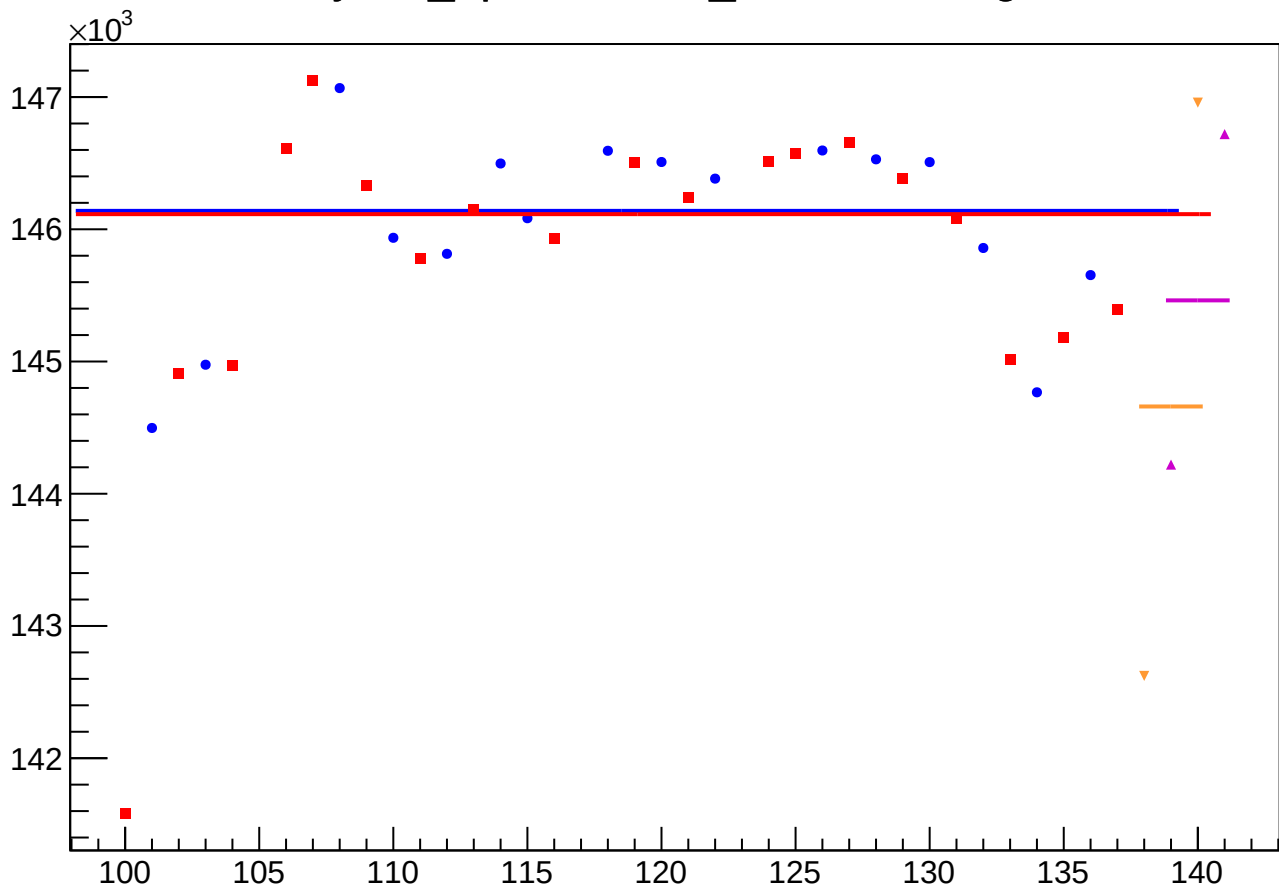
Left In: 190.575 $\pm$ 0.104 χ^2 /NDF: 360.2/1

+ sign 167.787 $\pm$ 0.042 χ^2 /NDF: 1176359.1/17

All: 163.548 $\pm$ 0.029 χ^2 /NDF: 2665543.5/38

- sign 159.824 $\pm$ 0.040 χ^2 /NDF: 1470307.4/20

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

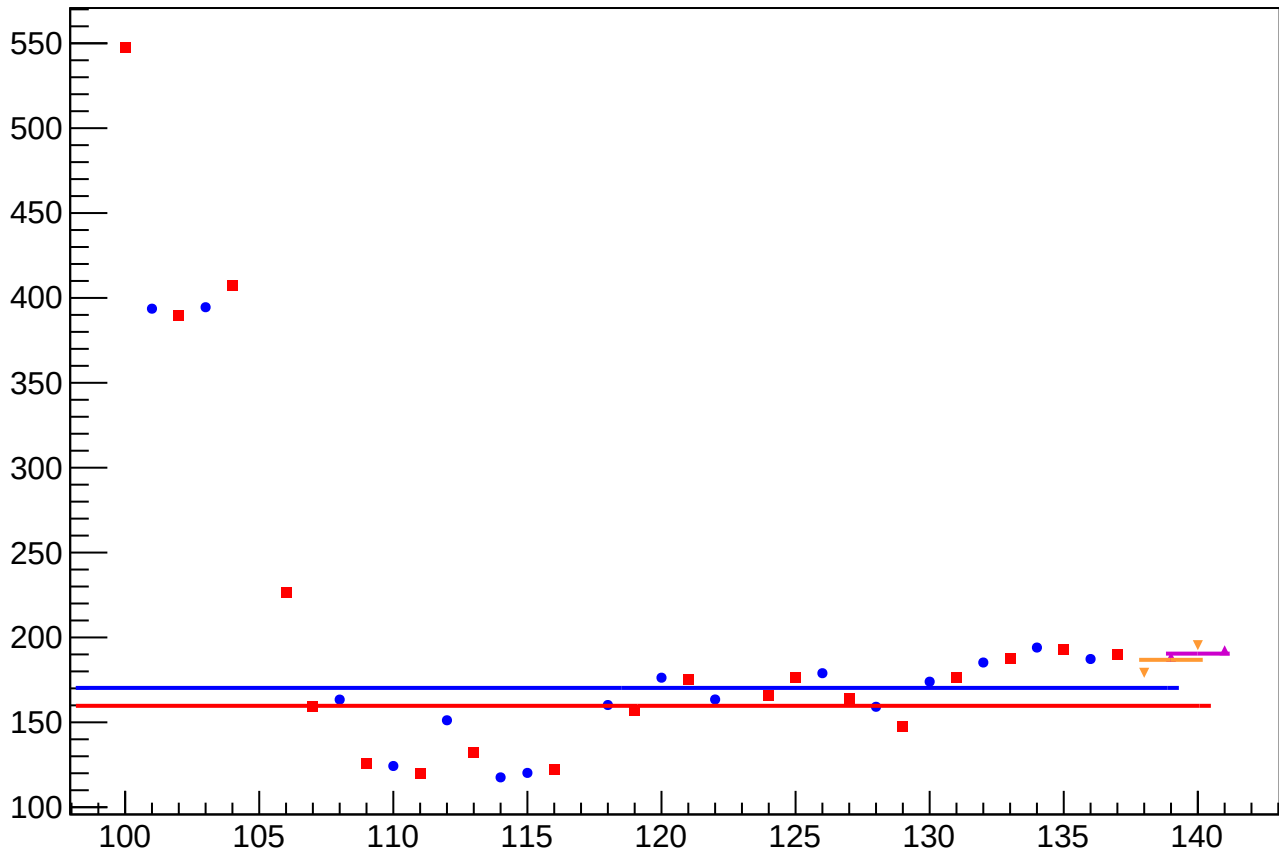
Left In: 145462.385 $\pm$ 0.146 χ^2 /NDF: 72964200.4/1

+ sign 145893.145 $\pm$ 0.062 χ^2 /NDF: 357611491.8/1

All: 145957.637 $\pm$ 0.042 χ^2 /NDF: 522535467

- sign 146013.876 $\pm$ 0.057 χ^2 /NDF: 162867462.0/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF : 1057631.0/15

Left Out: 186.814+/-0.107 χ^2/NDF : 5788.9/1

Right Out: 159.724+/-0.044 χ^2/NDF : 1291290.8/18

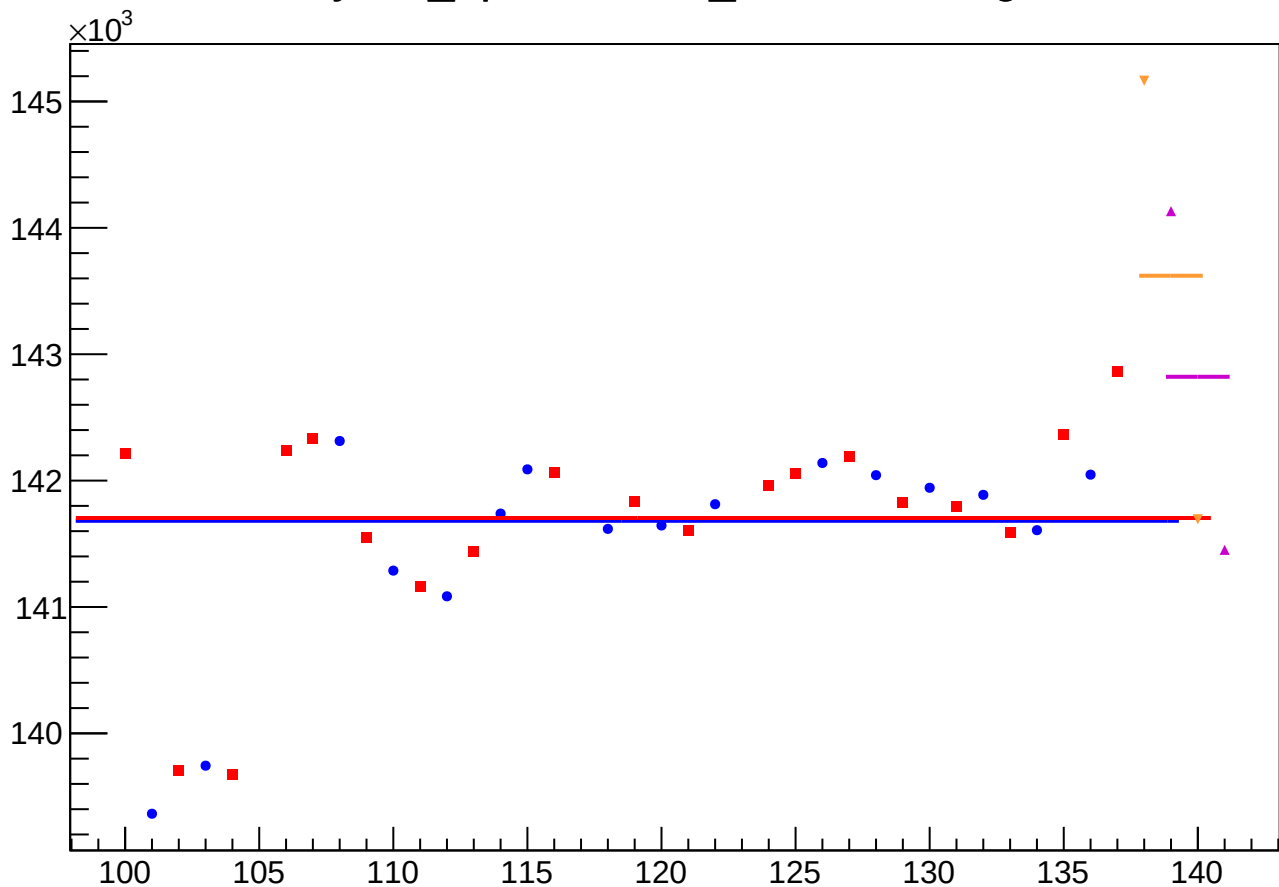
Left In: 190.474+/-0.103 χ^2/NDF : 357.6/1

+ sign 173.029+/-0.044 χ^2/NDF : 1083449.9/17

All: 168.456+/-0.030 χ^2/NDF : 2470512.0/38

- sign 164.467+/-0.041 χ^2/NDF : 1366374.9/20

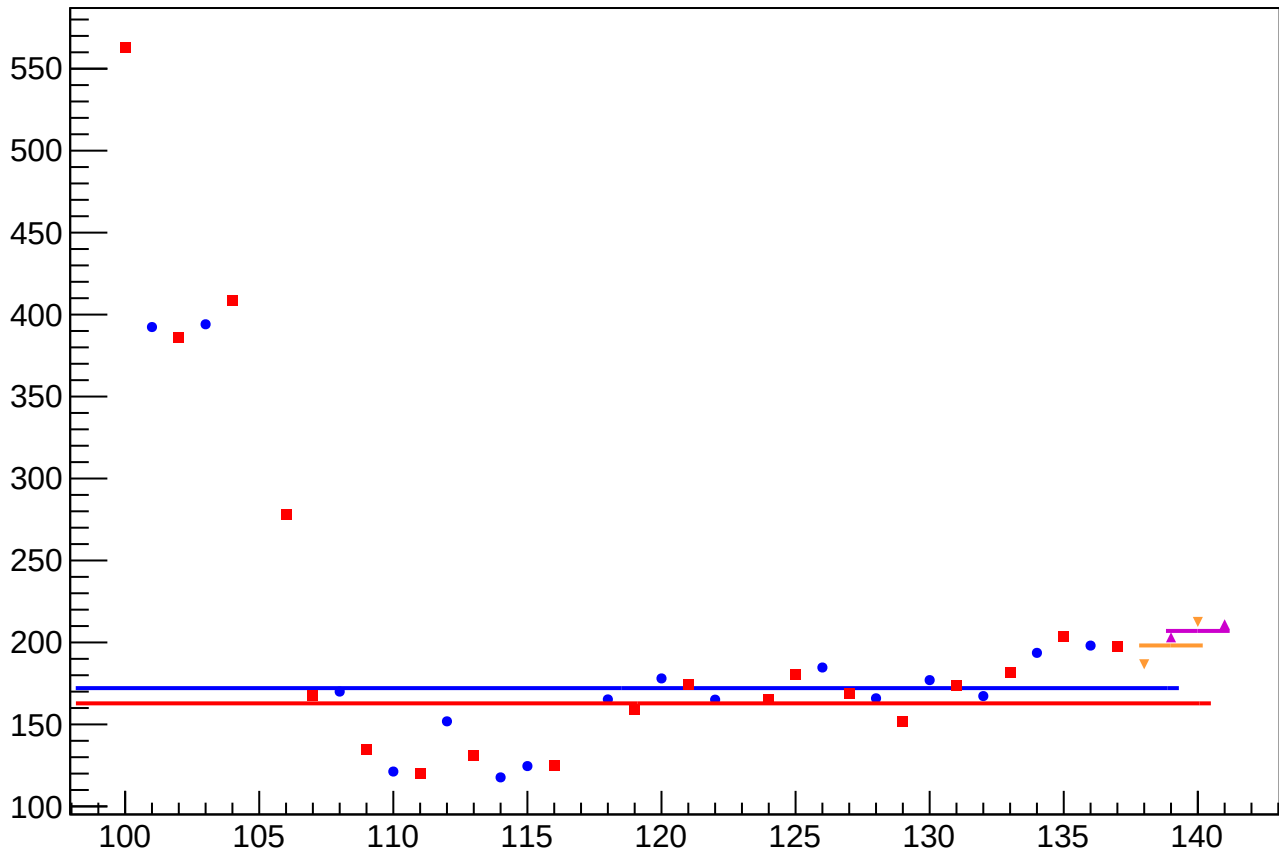
yield_bpm0l09WS_mean vs Slug



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: 142821.549 $\pm$ 0.159 χ^2 /NDF: 71081598.5/1

+ sign 141983.025 $\pm$ 0.063 χ^2 /NDF: 306912149.5/1
 All: 141917.558 $\pm$ 0.043 χ^2 /NDF: 488161090
 - sign 141859.278 $\pm$ 0.059 χ^2 /NDF: 179191146.5/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139 $\pm$ 0.048 χ^2 /NDF: 1068587.8/15

Left Out: 198.162 $\pm$ 0.113 χ^2 /NDF:13009.1/1

Right Out: 162.845 $\pm$ 0.045 χ^2 /NDF: 1305855.8/18

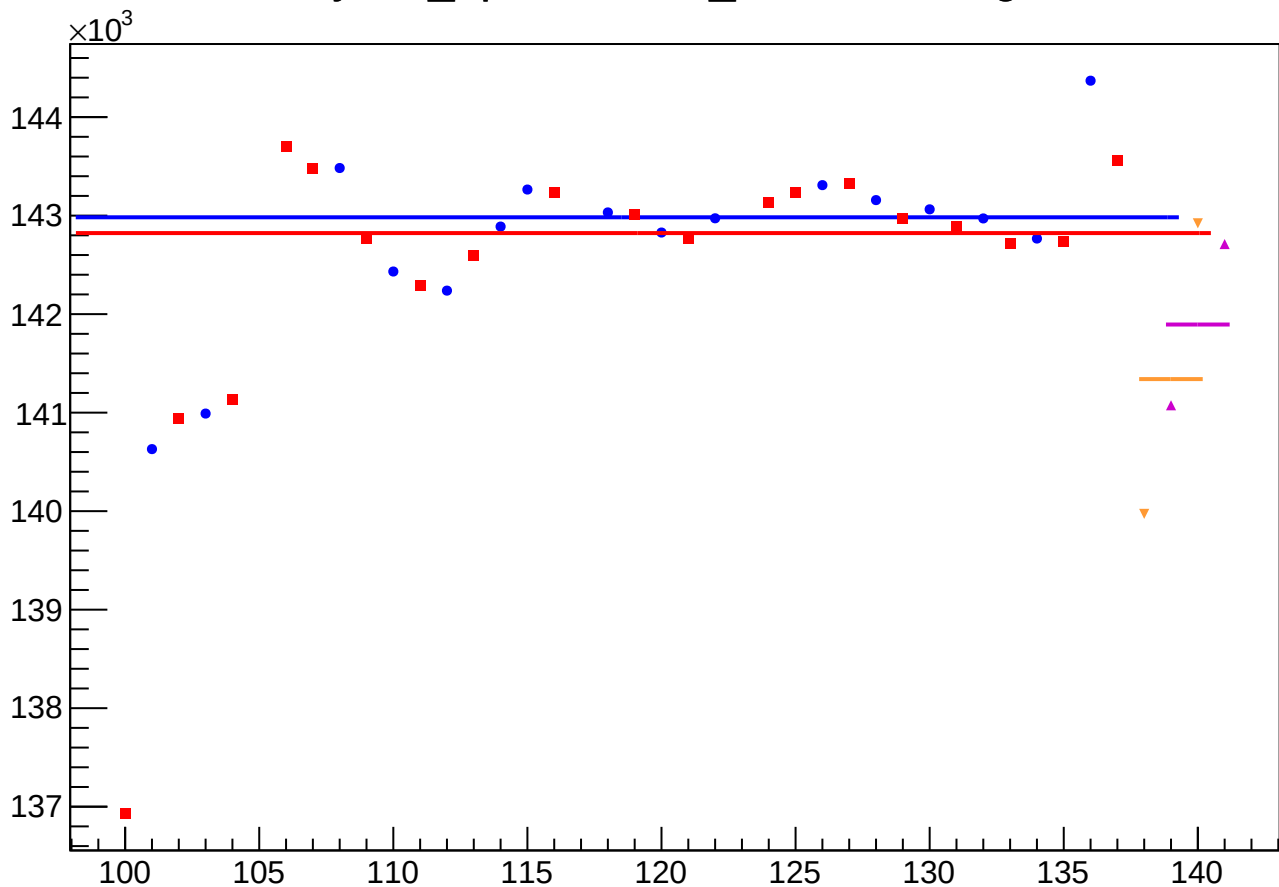
Left In: 207.029 $\pm$ 0.112 χ^2 /NDF:1243.8/1

+ sign 176.180 $\pm$ 0.044 χ^2 /NDF: 1126728.3/17

All: 172.370 $\pm$ 0.030 χ^2 /NDF: 2580942.6/38

- sign 168.978 $\pm$ 0.042 χ^2 /NDF: 1440270.5/20

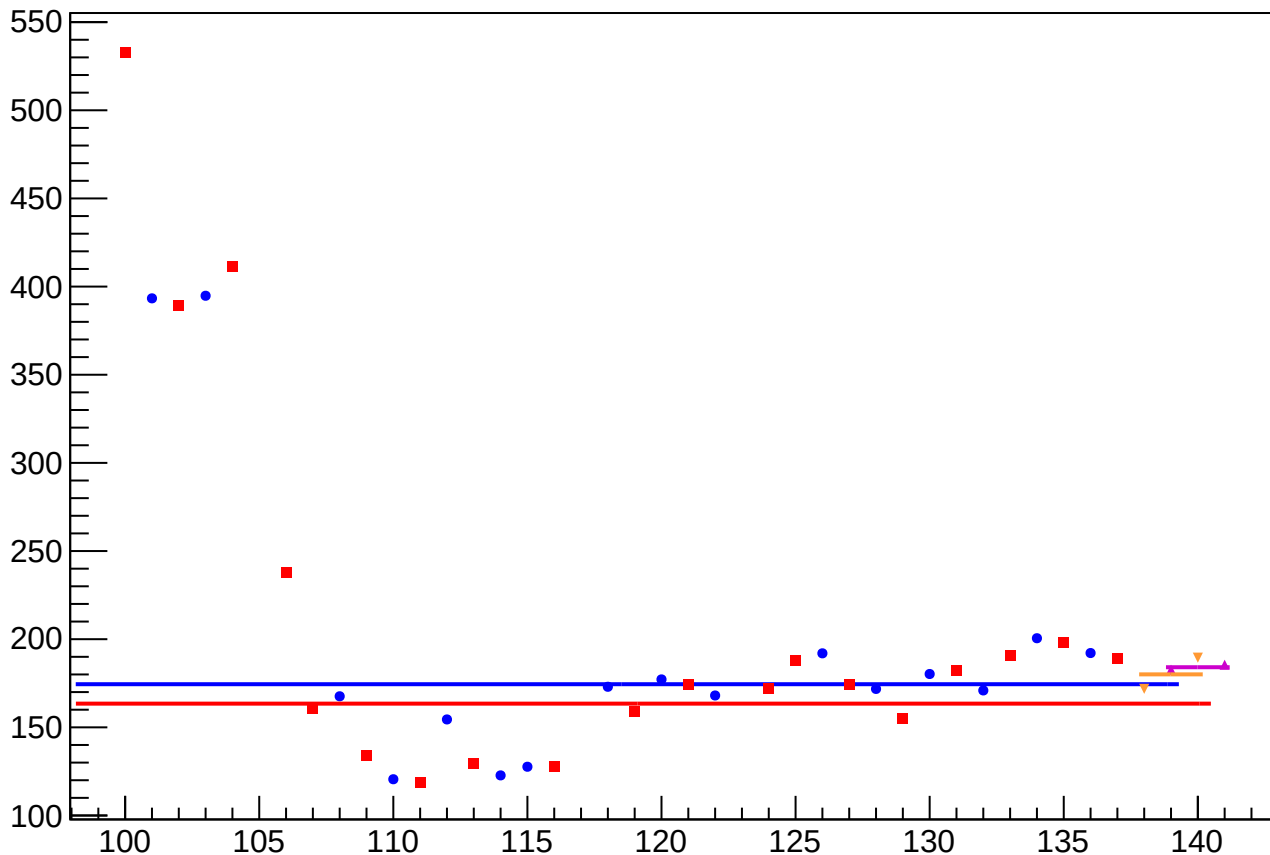
yield_bpm0l10WS_mean vs Slug



Right In: 142983.006 ± 0.069 $\chi^2/\text{NDF}: 107696217.2/15$
 Left Out: 141340.565 ± 0.145 $\chi^2/\text{NDF}: 103219658.6/1$
 Right Out: 142822.727 ± 0.064 $\chi^2/\text{NDF}: 63581232.6/18$
 Left In: 141894.528 ± 0.141 $\chi^2/\text{NDF}: 33608583.8/1$

+ sign 142678.205 ± 0.062 $\chi^2/\text{NDF}: 315729720.7/1$
 All: 142670.788 ± 0.043 $\chi^2/\text{NDF}: 448810072$
 - sign 142664.305 ± 0.058 $\chi^2/\text{NDF}: 133053851.5/2$

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

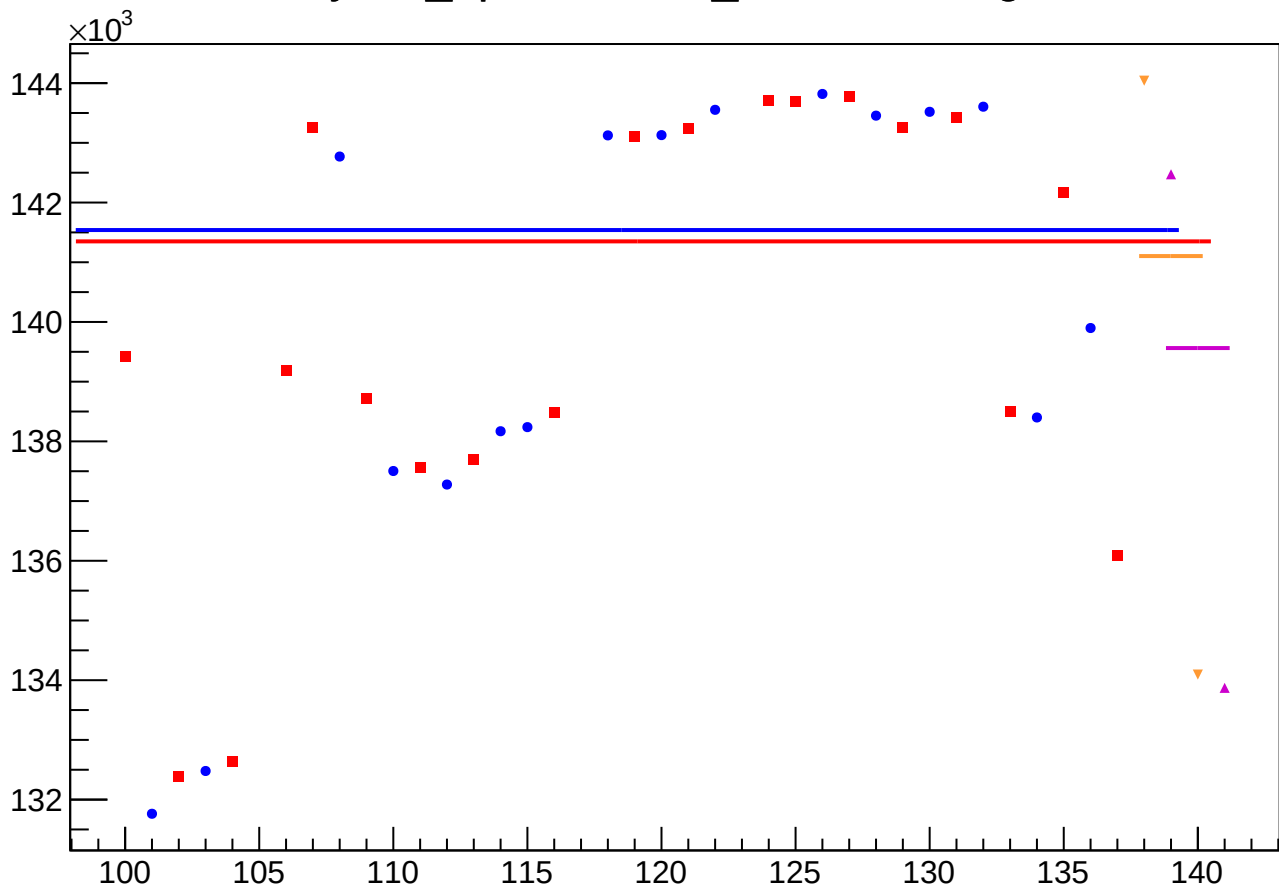
Left In: 184.098 $\pm$ 0.100 χ^2 /NDF: 203.6/1

+ sign 175.502 $\pm$ 0.044 χ^2 /NDF: 1058959.7/17

All: 170.951 $\pm$ 0.030 χ^2 /NDF: 2397118.1/38

- sign 166.973 $\pm$ 0.041 χ^2 /NDF: 1318199.3/20

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

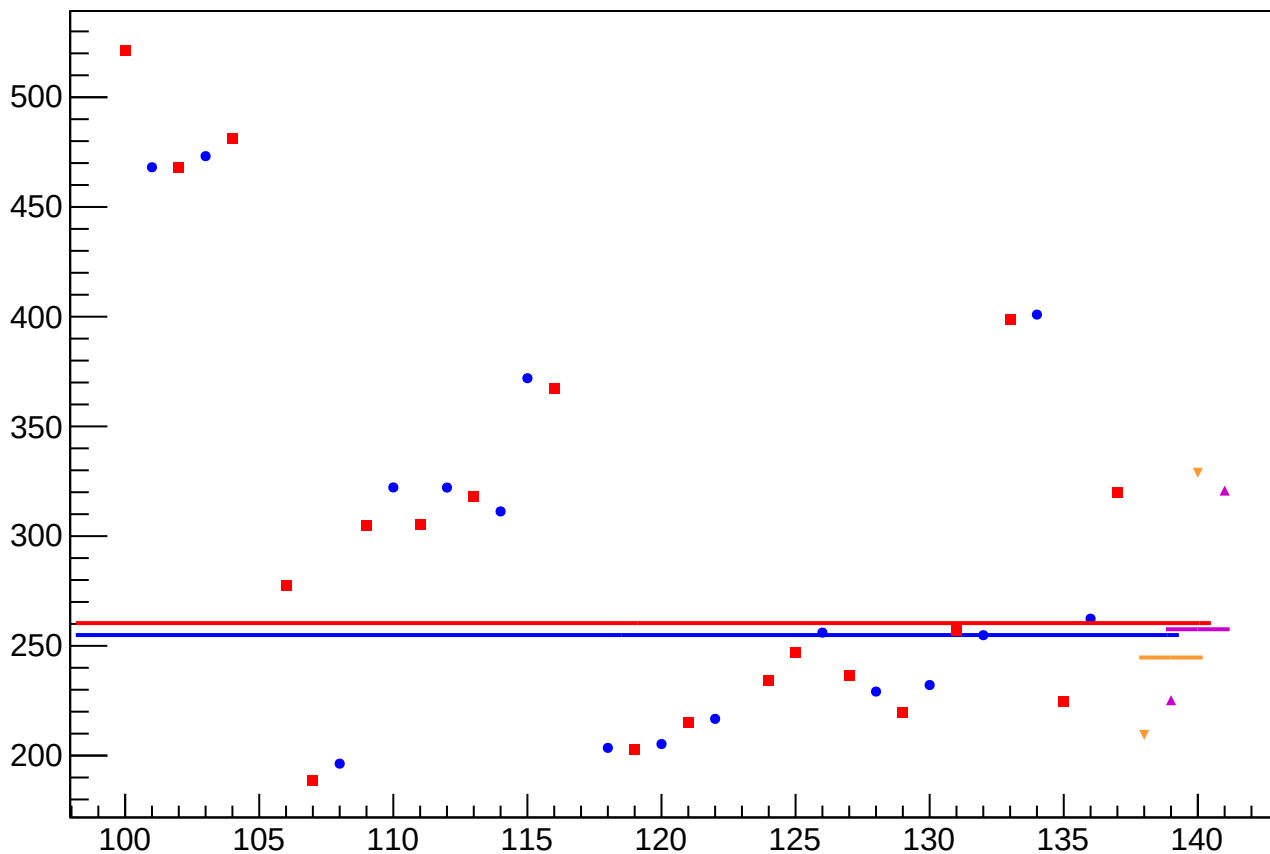
Left In: 139562.865 $\pm$ 0.204 χ^2 /NDF: 399495000.3/1

+ sign 141453.326 $\pm$ 0.090 χ^2 /NDF: 1450358866.2/1

All: 141225.422 $\pm$ 0.064 χ^2 /NDF: 285105753.7/1

- sign 140996.419 $\pm$ 0.091 χ^2 /NDF: 1387929130.8/1

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

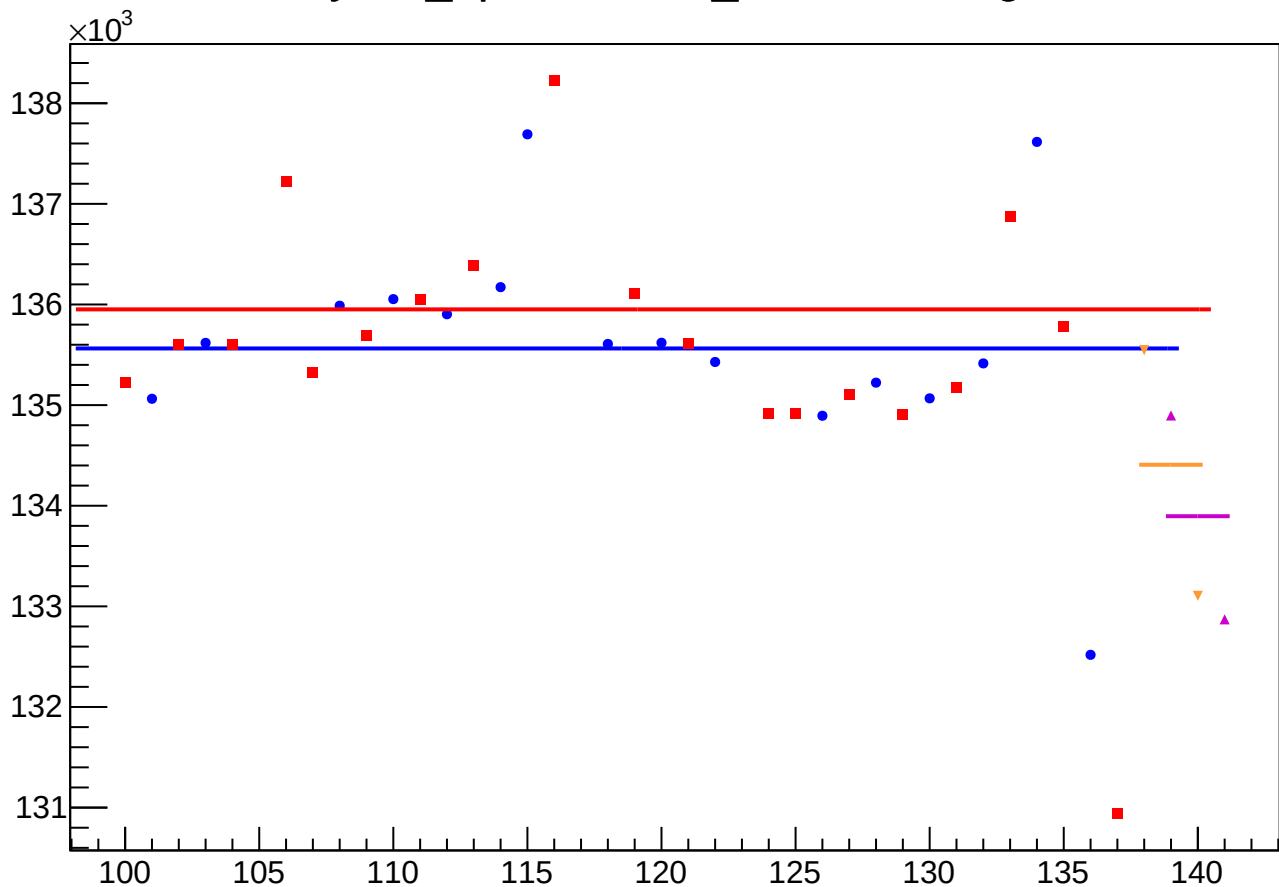
Left In: 257.566 $\pm$ 0.144 χ^2 /NDF:98542.5/1

+ sign 252.897 $\pm$ 0.064 χ^2 /NDF: 1097882.6/17

All: 256.347 $\pm$ 0.045 χ^2 /NDF: 2195884.7/38

- sign 259.815 $\pm$ 0.064 χ^2 /NDF: 1092147.0/20

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

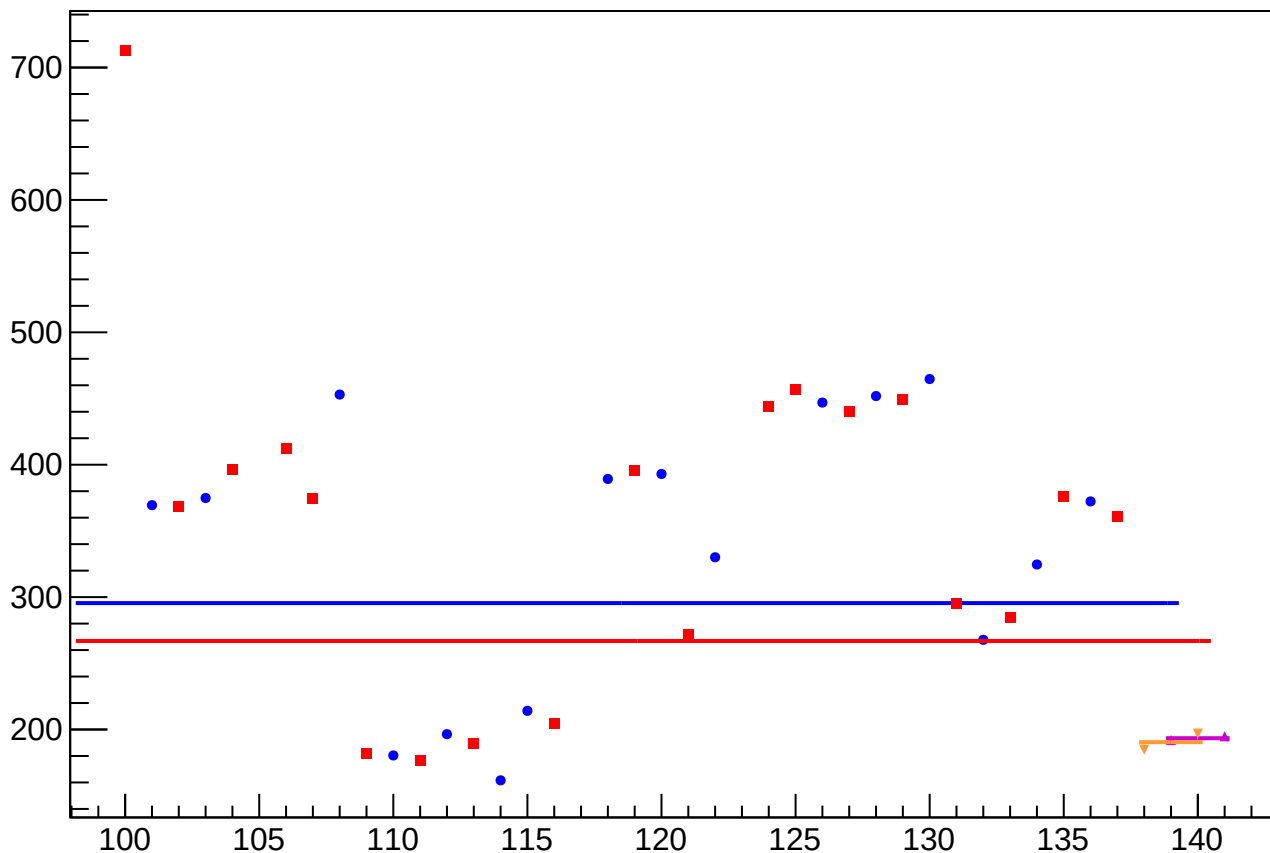
Left In: 133895.839 $\pm$ 0.149 χ^2 /NDF: 46105658.0/1

+ sign 135135.504 $\pm$ 0.094 χ^2 /NDF: 191625700.3/1

All: 135202.135 $\pm$ 0.064 χ^2 /NDF: 456134080.0/1

- sign 135258.752 $\pm$ 0.087 χ^2 /NDF: 263577919.5/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF : 1442531.9/15

Left Out: 190.425+/-0.109 χ^2/NDF :3054.2/1

Right Out: 266.864+/-0.075 χ^2/NDF : 1678073.6/18

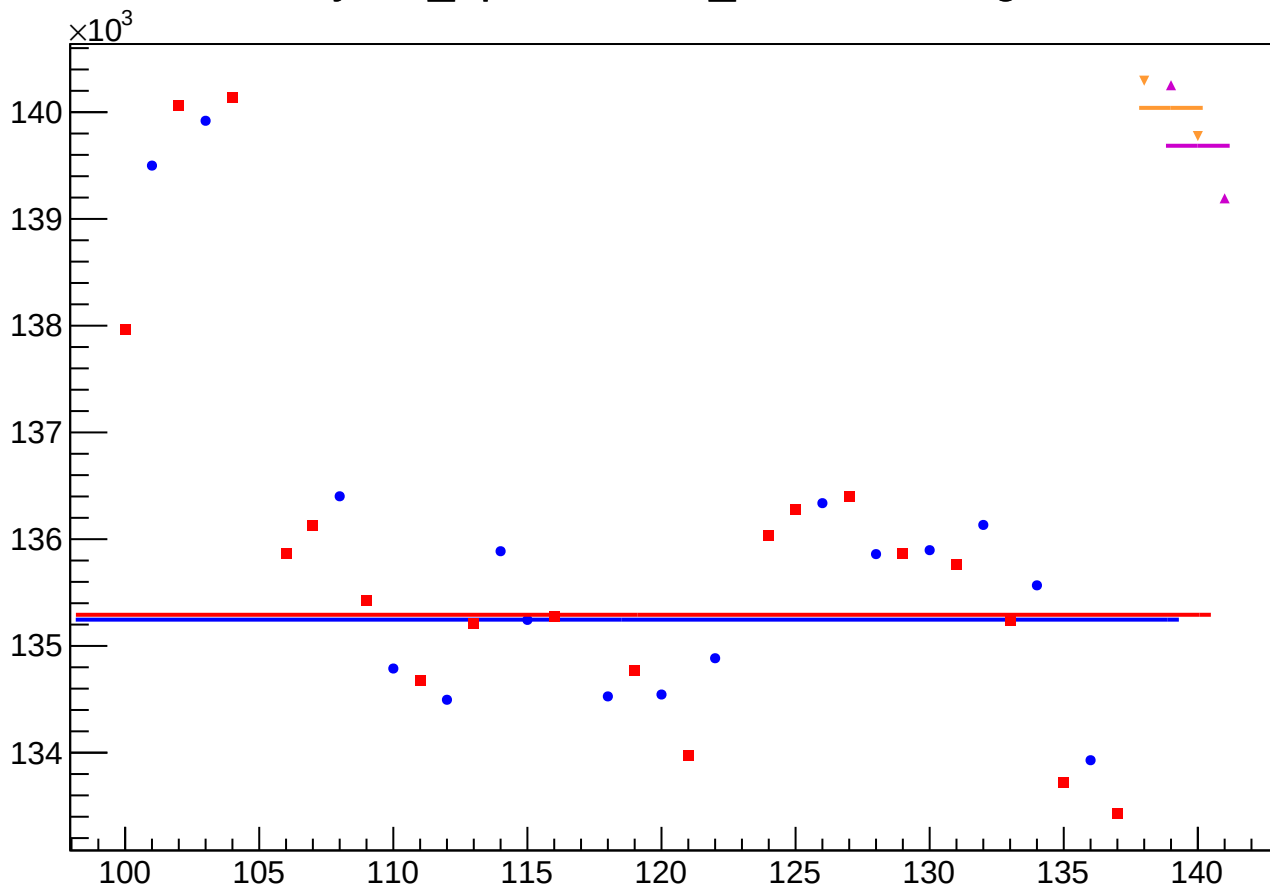
Left In: 193.422+/-0.105 χ^2/NDF :178.0/1

+ sign 256.618+/-0.066 χ^2/NDF : 2028526.0/17

All: 248.777+/-0.045 χ^2/NDF : 4053935.2/38

- sign 242.115+/-0.061 χ^2/NDF : 1999638.5/20

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

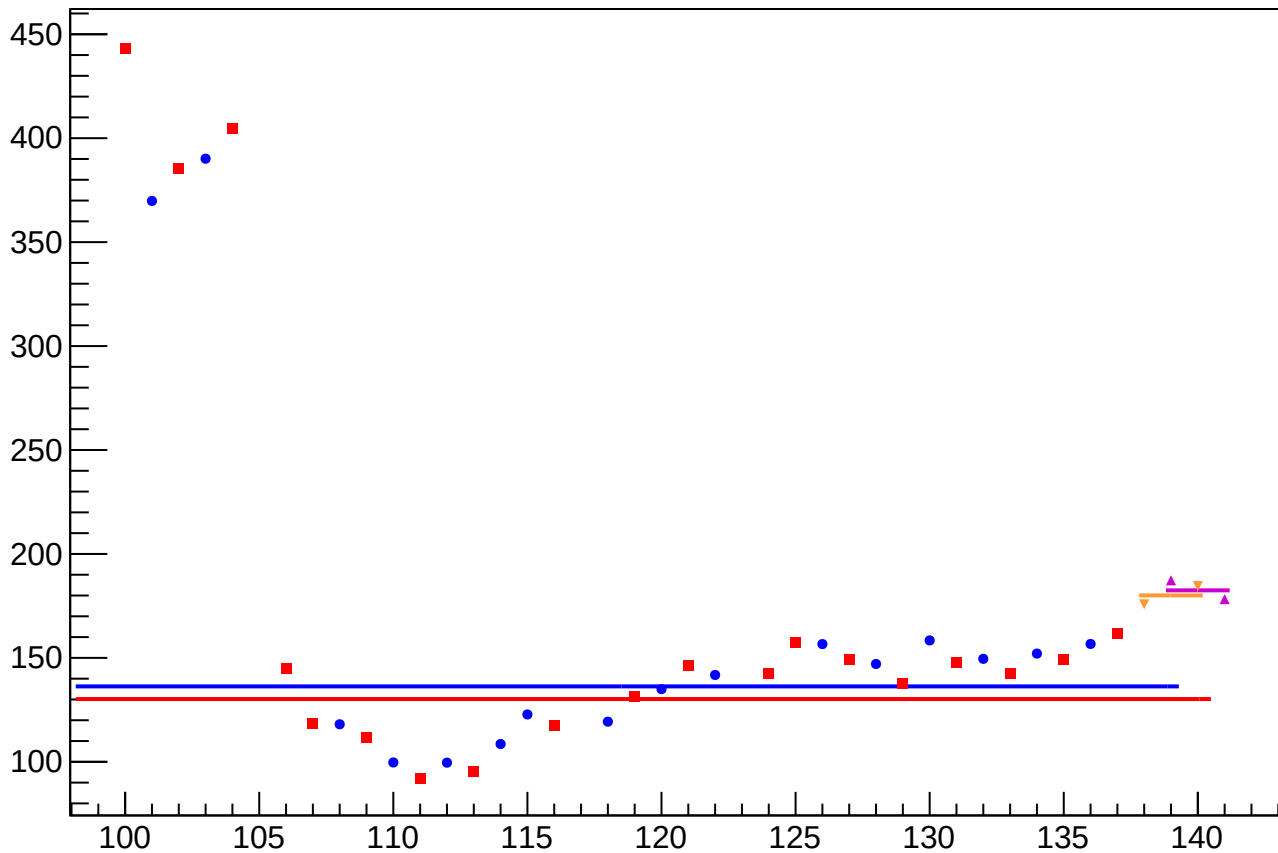
Left In: 139685.403 $\pm$ 0.139 χ^2 /NDF: 14351704.0/1

+ sign 135853.148 $\pm$ 0.051 χ^2 /NDF: 1363232813.6/

All: 135837.473 $\pm$ 0.035 χ^2 /NDF: 263153943

- sign 135823.364 $\pm$ 0.049 χ^2 /NDF: 1268128121.5/

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

Right Out: 130.206 $\pm$ 0.037 χ^2 /NDF: 1520840.8/18

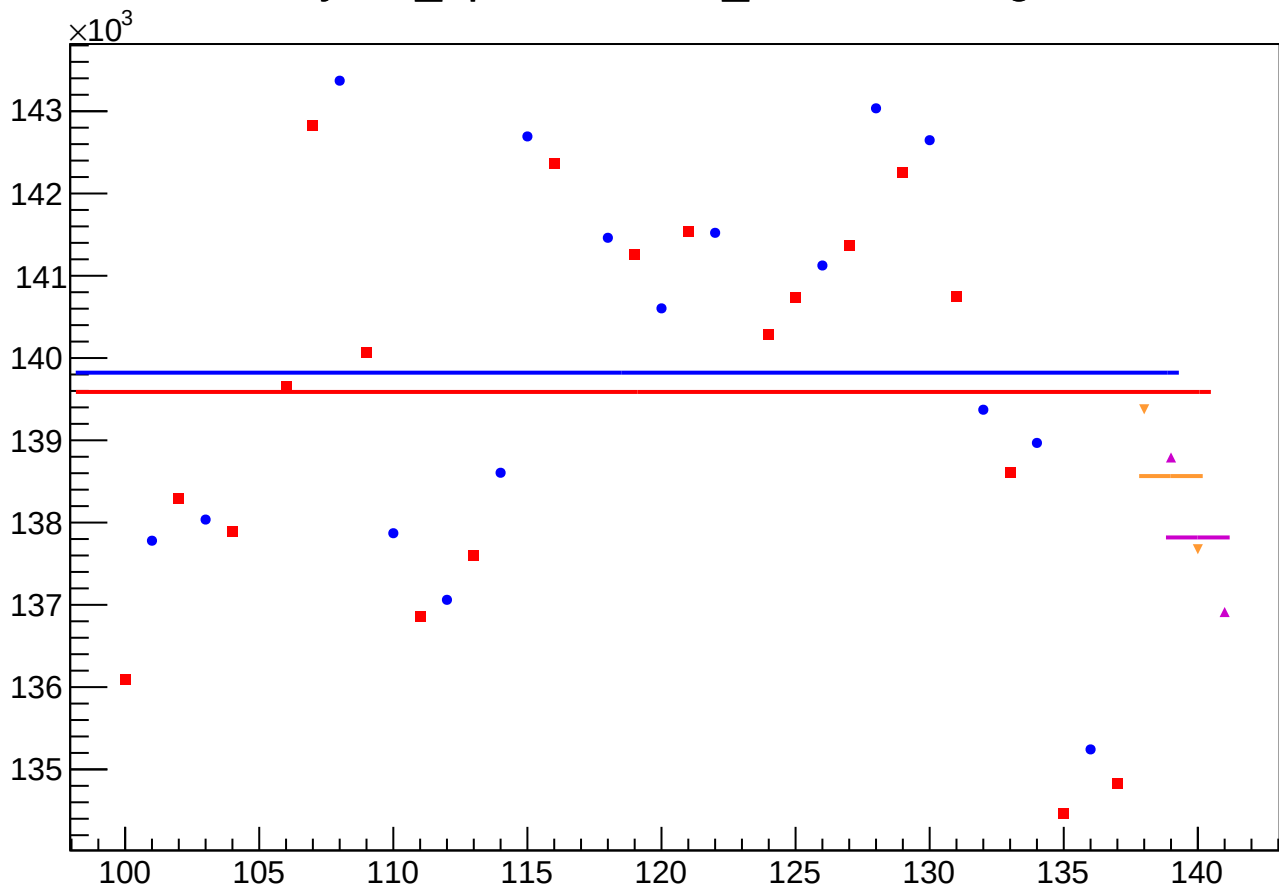
Left In: 182.487 $\pm$ 0.099 χ^2 /NDF:2093.2/1

+ sign 141.826 $\pm$ 0.036 χ^2 /NDF: 1547938.4/17

All: 139.039 $\pm$ 0.025 χ^2 /NDF: 3329108.4/38

- sign 136.531 $\pm$ 0.034 χ^2 /NDF: 1769882.7/20

yield_bpm0i02aWS_mean vs Slug



Right In: 139822.122 ± 0.063 $\chi^2/\text{NDF}: 1663381581.4/15$

Left Out: 138565.238 ± 0.142 $\chi^2/\text{NDF}: 35613259.5/1$

Right Out: 139587.876 ± 0.060 $\chi^2/\text{NDF}: 1482934186.2/18$

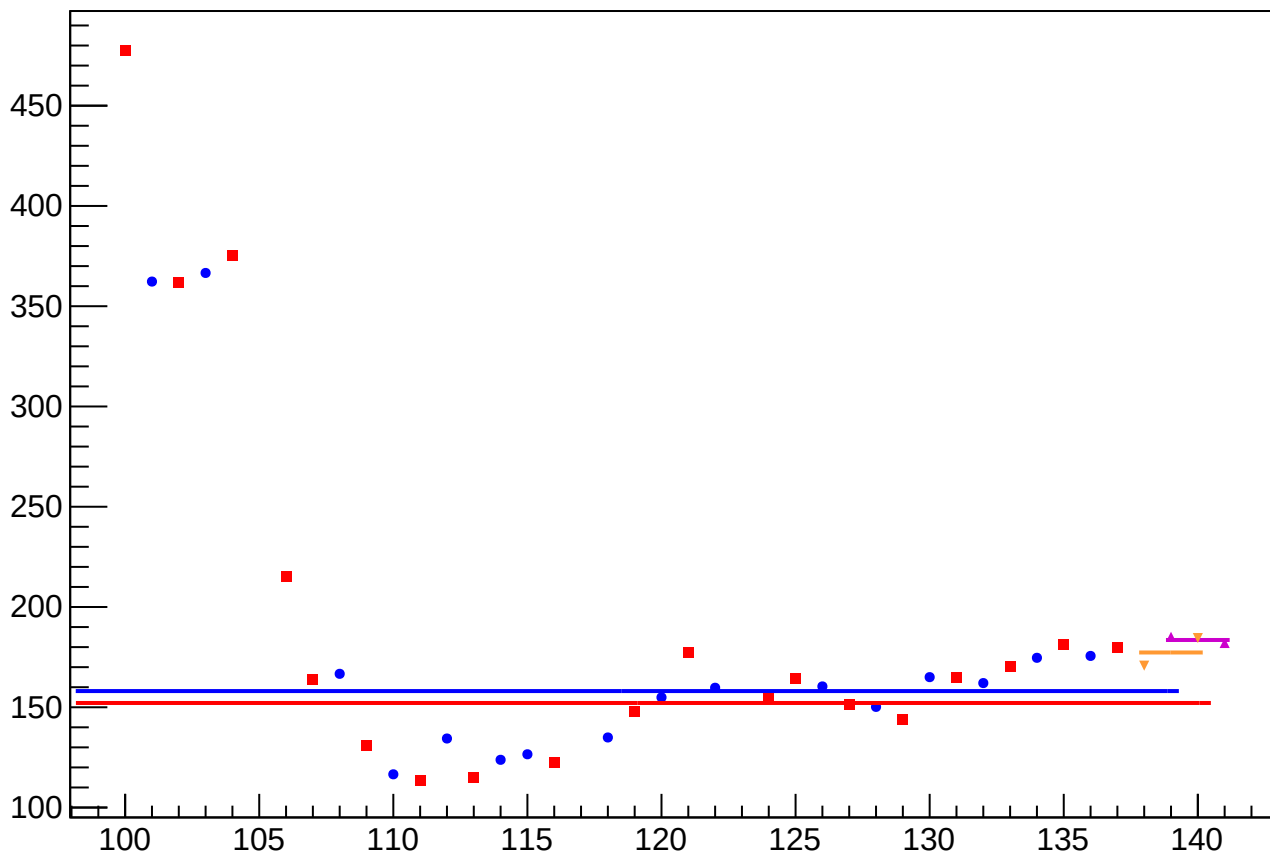
Left In: 137819.209 ± 0.141 $\chi^2/\text{NDF}: 44584425.8/1$

+ sign 139618.509 ± 0.057 $\chi^2/\text{NDF}: 1764317851.4/15$

All: 139461.771 ± 0.040 $\chi^2/\text{NDF}: 344026133.0/15$

- sign 139317.501 ± 0.055 $\chi^2/\text{NDF}: 1661572905.0/15$

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079 $\pm$ 0.044 χ^2 /NDF: 1017928.9/15

Left Out: 177.319 $\pm$ 0.101 χ^2 /NDF:4666.6/1

Right Out: 152.139 $\pm$ 0.042 χ^2 /NDF: 1229053.9/18

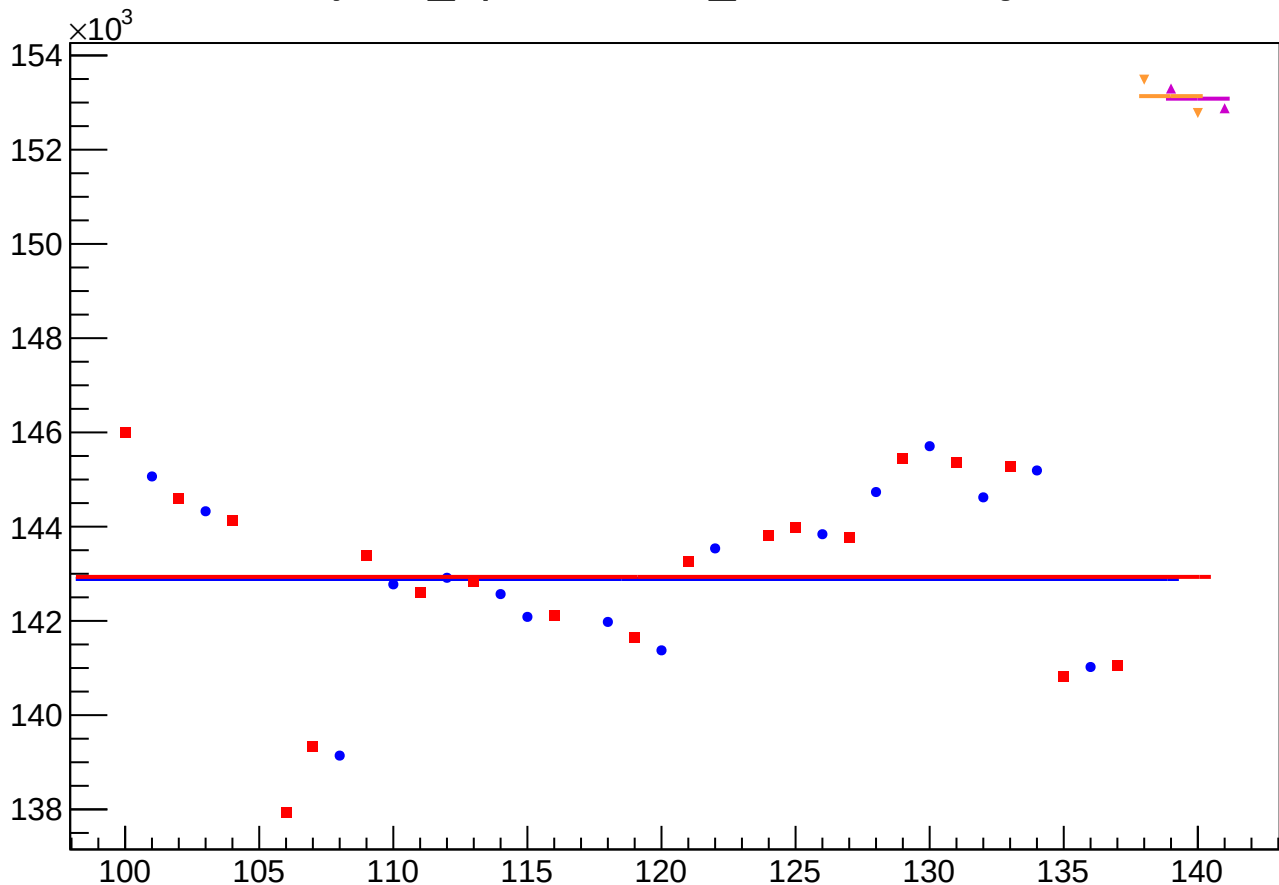
Left In: 183.554 $\pm$ 0.099 χ^2 /NDF:241.5/1

+ sign 161.196 $\pm$ 0.041 χ^2 /NDF: 1053208.6/17

All: 158.981 $\pm$ 0.028 χ^2 /NDF: 2372831.5/38

- sign 156.941 $\pm$ 0.039 χ^2 /NDF: 1313880.4/20

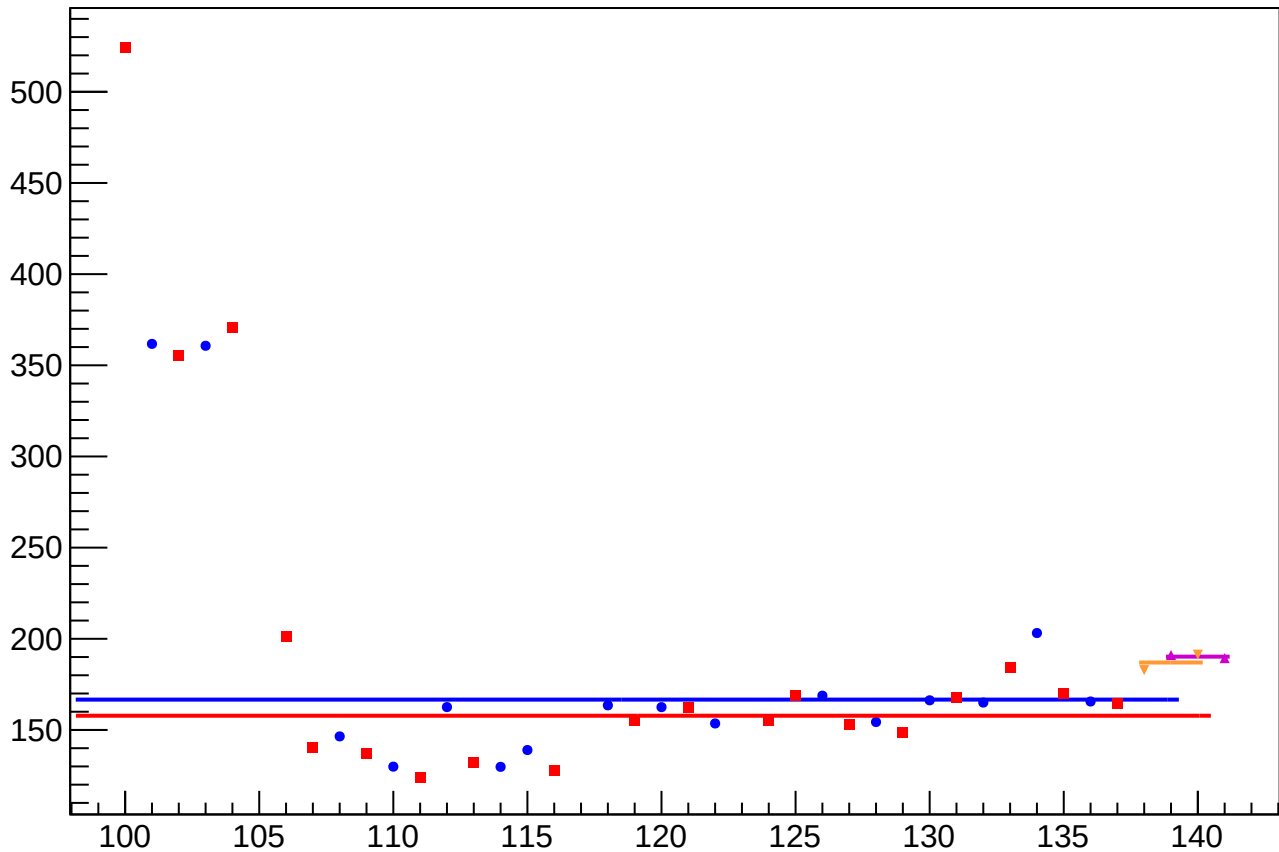
yield_bpm0i05WS_mean vs Slug



Right In: 142889.386 $\pm$ 0.066 χ^2 /NDF: 763303771.6/15
 Left Out: 153136.882 $\pm$ 0.151 χ^2 /NDF: 5518846.0/1
 Right Out: 142933.890 $\pm$ 0.062 χ^2 /NDF: 787386856.4/18
 Left In: 153082.890 $\pm$ 0.146 χ^2 /NDF: 2062512.8/1

+ sign 144527.839 $\pm$ 0.060 χ^2 /NDF: 4660371100.2
 All: 144496.005 $\pm$ 0.041 χ^2 /NDF: 956134008
 - sign 144467.774 $\pm$ 0.057 χ^2 /NDF: 4900441461.9/

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

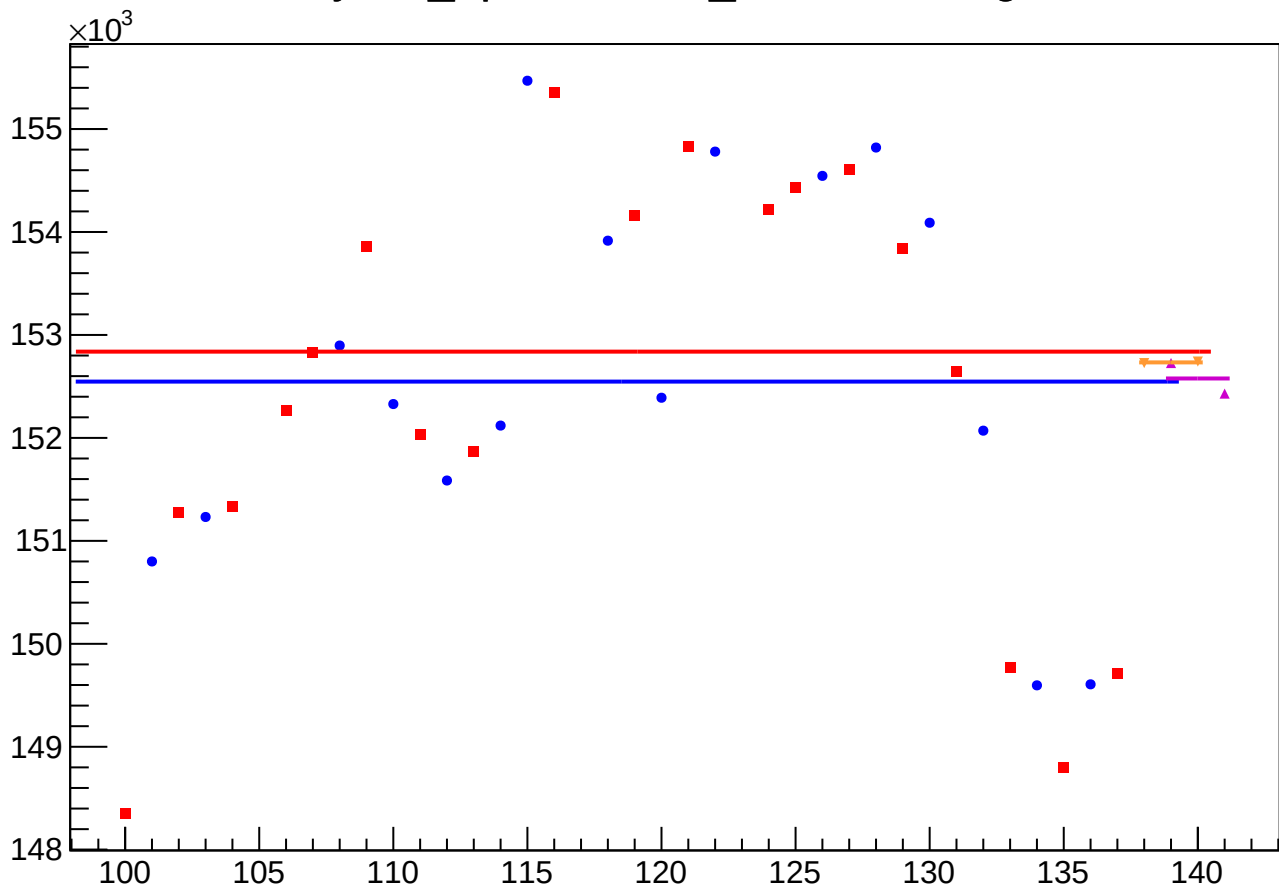
Left In: 190.217 $\pm$ 0.103 χ^2 /NDF:67.8/1

+ sign 169.908 $\pm$ 0.043 χ^2 /NDF: 895825.6/17

All: 166.092 $\pm$ 0.029 χ^2 /NDF: 2017229.6/38

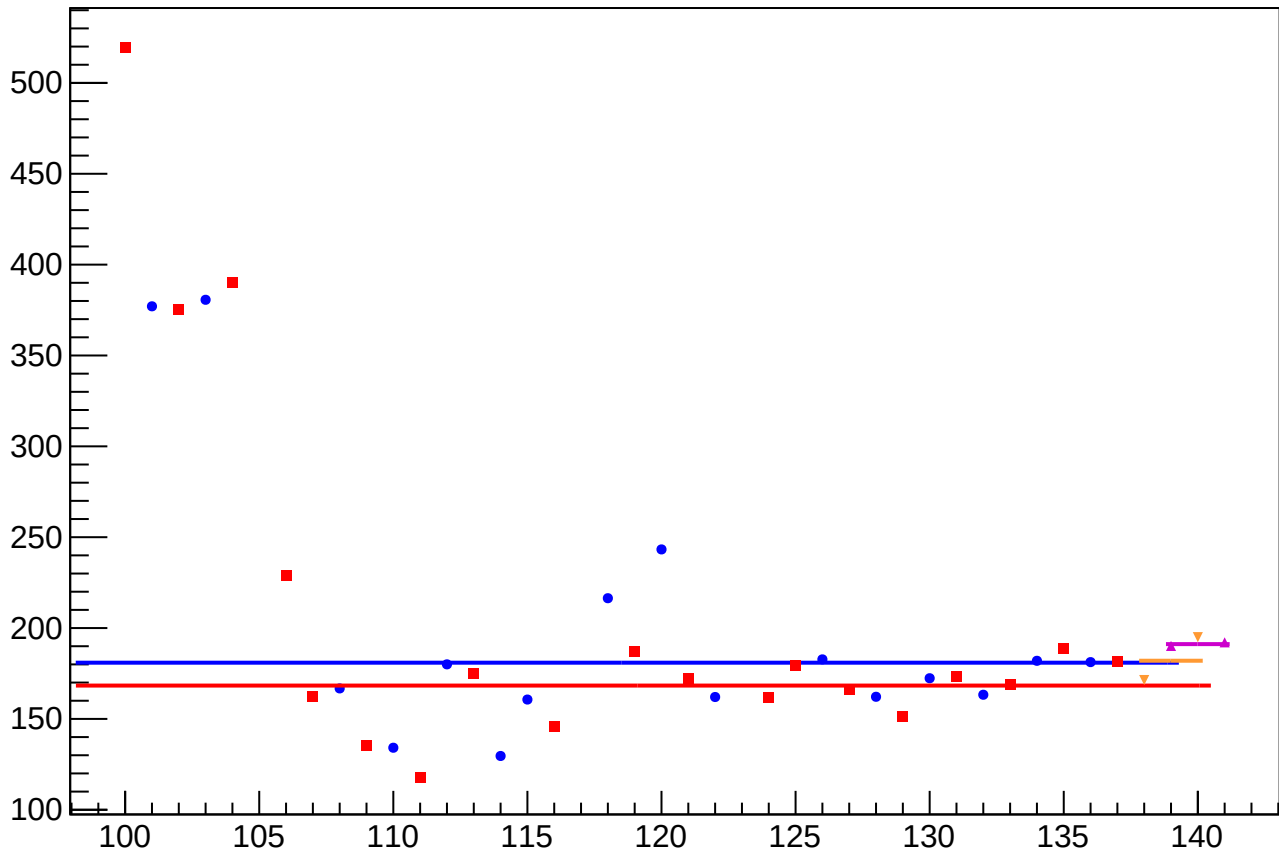
- sign 162.707 $\pm$ 0.040 χ^2 /NDF: 1106238.7/20

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: 152577.162 $\pm$ 0.146 χ^2 /NDF:1028613.8/1
 + sign 152583.749 $\pm$ 0.065 χ^2 /NDF: 655846280.5/1
 All: 152695.710 $\pm$ 0.044 χ^2 /NDF: 140194997
 - sign 152793.096 $\pm$ 0.061 χ^2 /NDF: 740563880.4/20

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

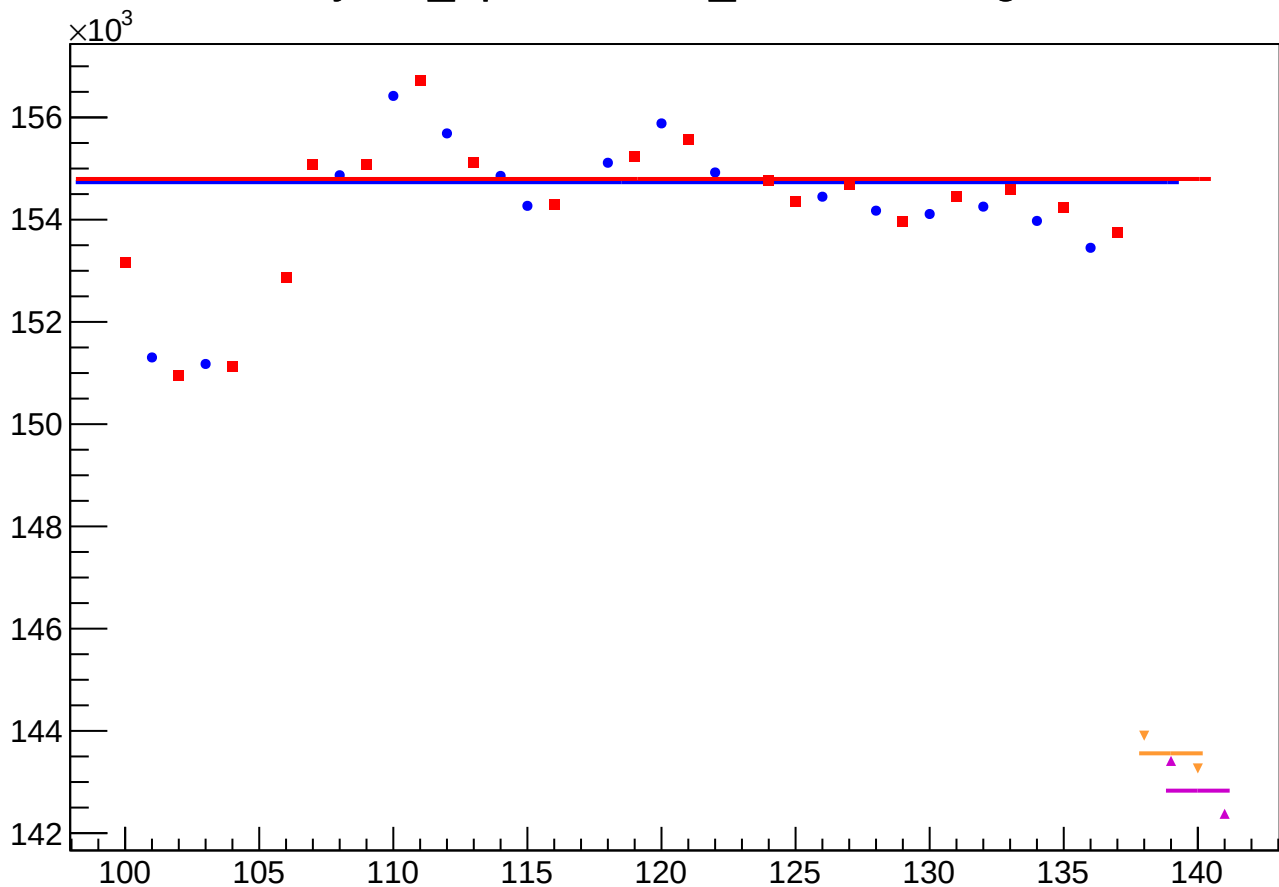
Left In: 191.163 ± 0.103 χ^2/NDF : 90.9/1

+ sign 181.152 ± 0.046 χ^2/NDF : 920717.9/17

All: 176.401 ± 0.031 χ^2/NDF : 2070092.6/38

- sign 172.268 ± 0.043 χ^2/NDF : 1129424.9/20

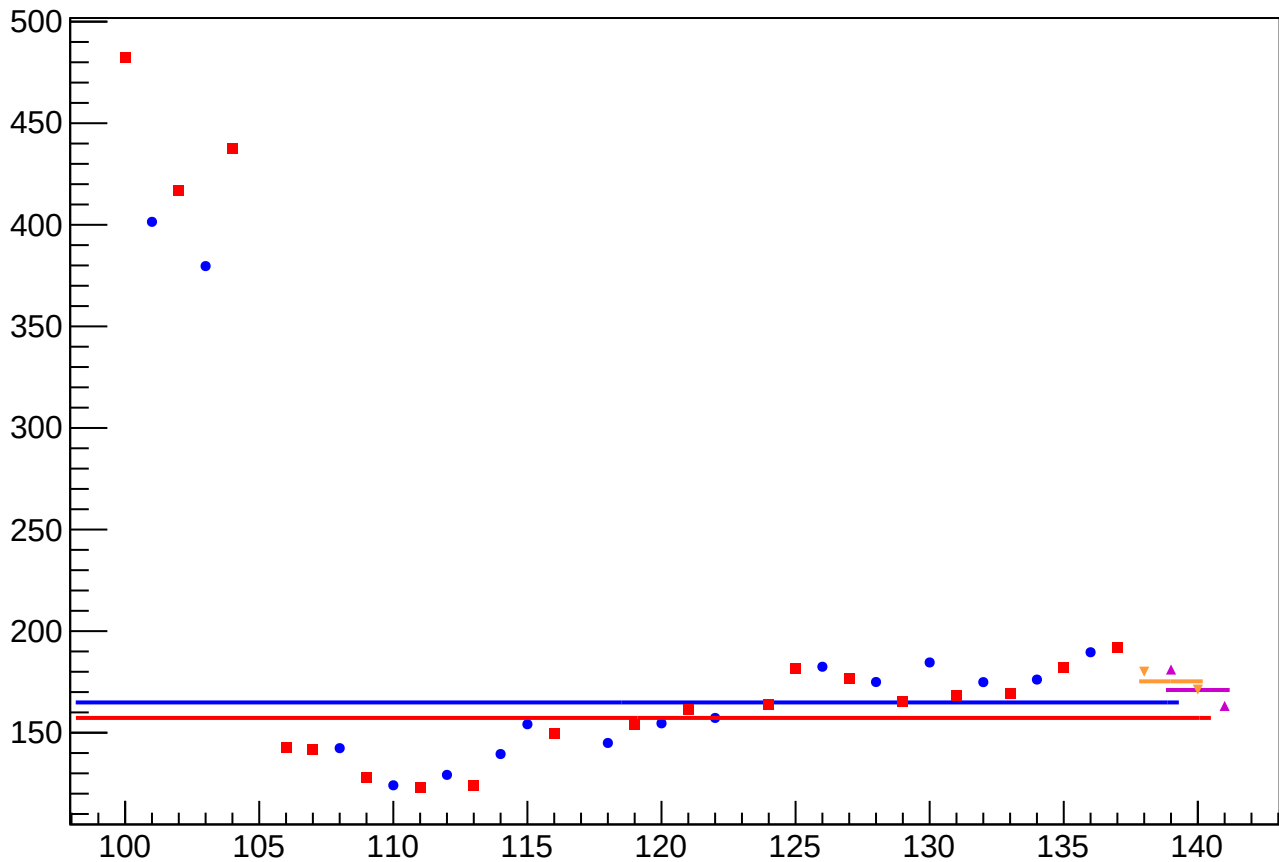
yield_bpm1i02WS_mean vs Slug



Right In: 154733.155 $\pm$ 0.065 χ^2 /NDF: 274462319.1/15
 Left Out: 143561.032 $\pm$ 0.140 χ^2 /NDF: 5229815.1/1
 Right Out: 154795.893 $\pm$ 0.061 χ^2 /NDF: 304125082.4/18
 Left In: 142831.278 $\pm$ 0.131 χ^2 /NDF: 15370112.5/1

+ sign 152735.080 $\pm$ 0.059 χ^2 /NDF: 5531590014.6
 All: 152693.853 $\pm$ 0.040 χ^2 /NDF: 127126594
 - sign 152657.678 $\pm$ 0.055 χ^2 /NDF: 7180155112.5/

yield_bpm1i02WS_rms vs Slug



Right In: 164.906 $\pm$ 0.046 χ^2 /NDF: 1072730.7/15

Left Out: 175.286 $\pm$ 0.099 χ^2 /NDF:1982.7/1

Right Out: 157.283 $\pm$ 0.043 χ^2 /NDF: 1254831.2/18

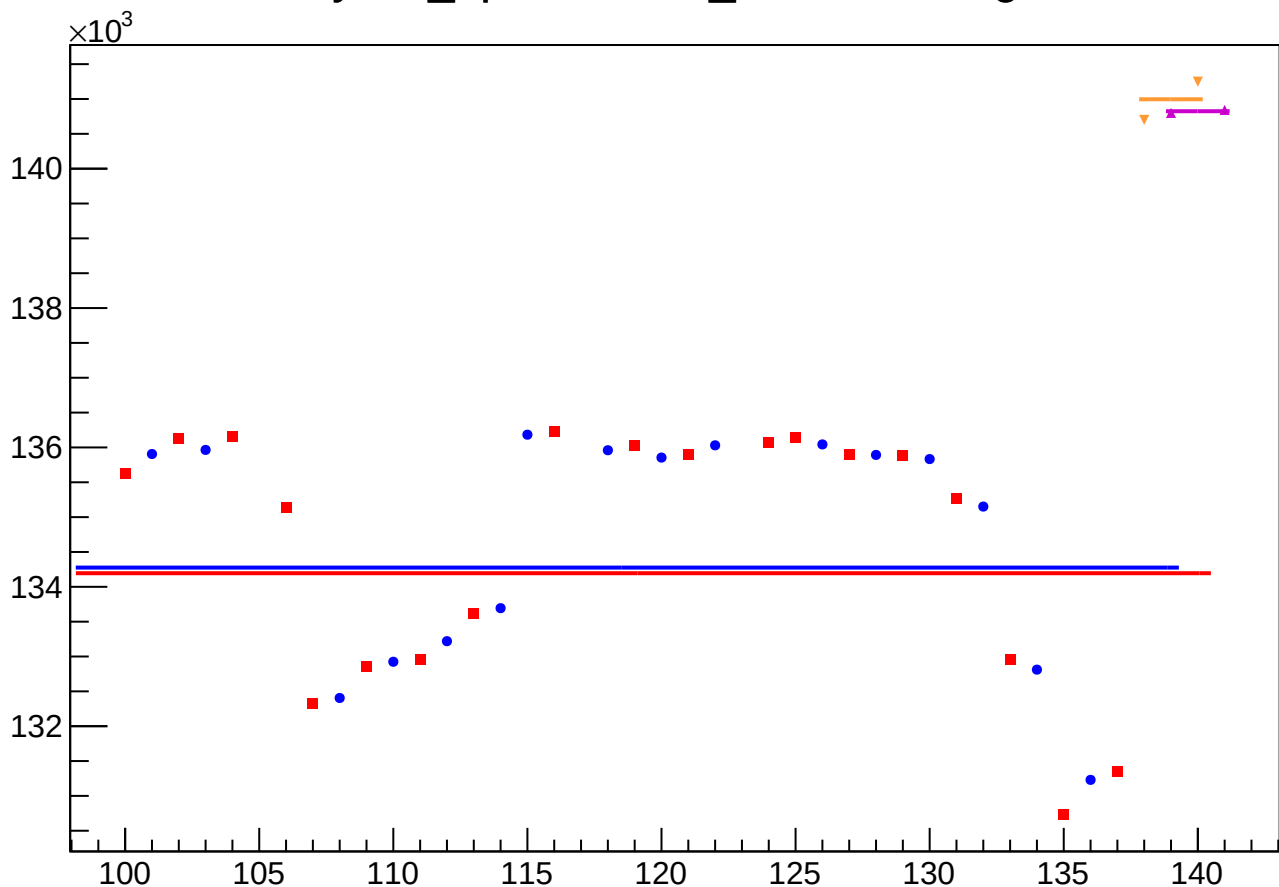
Left In: 171.031 $\pm$ 0.093 χ^2 /NDF:9219.7/1

+ sign 166.763 $\pm$ 0.042 χ^2 /NDF: 1083779.7/17

All: 163.022 $\pm$ 0.029 χ^2 /NDF: 2381000.5/38

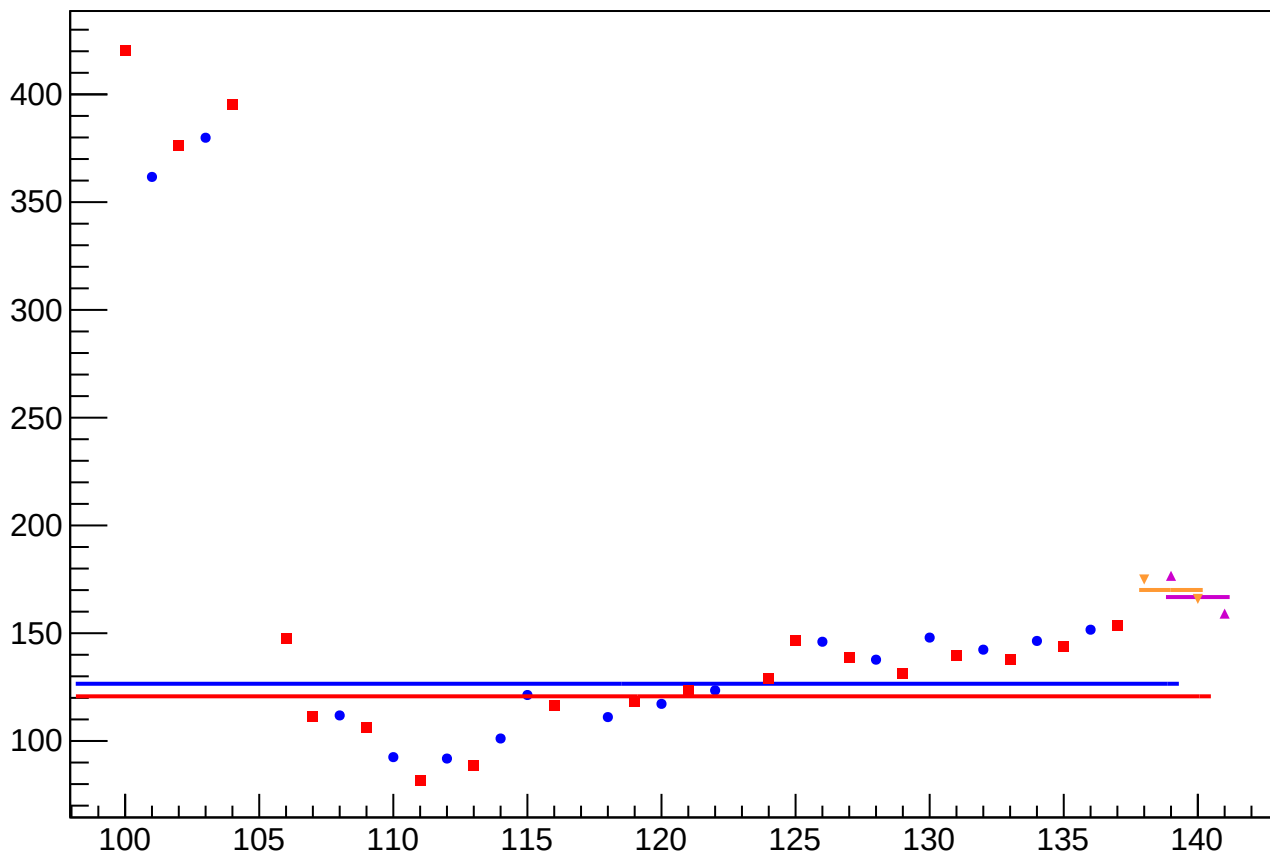
- sign 159.740 $\pm$ 0.039 χ^2 /NDF: 1282167.6/20

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: 140824.445 $\pm$ 0.128 χ^2 /NDF: 27555.5/1
 All: 135056.429 $\pm$ 0.033 χ^2 /NDF: 686649129
 + sign 135103.348 $\pm$ 0.048 χ^2 /NDF: 3298954667.6
 - sign 135014.651 $\pm$ 0.045 χ^2 /NDF: 3565699440.9/

yield_bpm1i04WS_rms vs Slug



Right In: 126.551 $\pm$ 0.036 χ^2 /NDF: 1477429.4/15

Left Out: 170.061 $\pm$ 0.096 χ^2 /NDF:2193.5/1

Right Out: 120.723 $\pm$ 0.034 χ^2 /NDF: 1632726.2/18

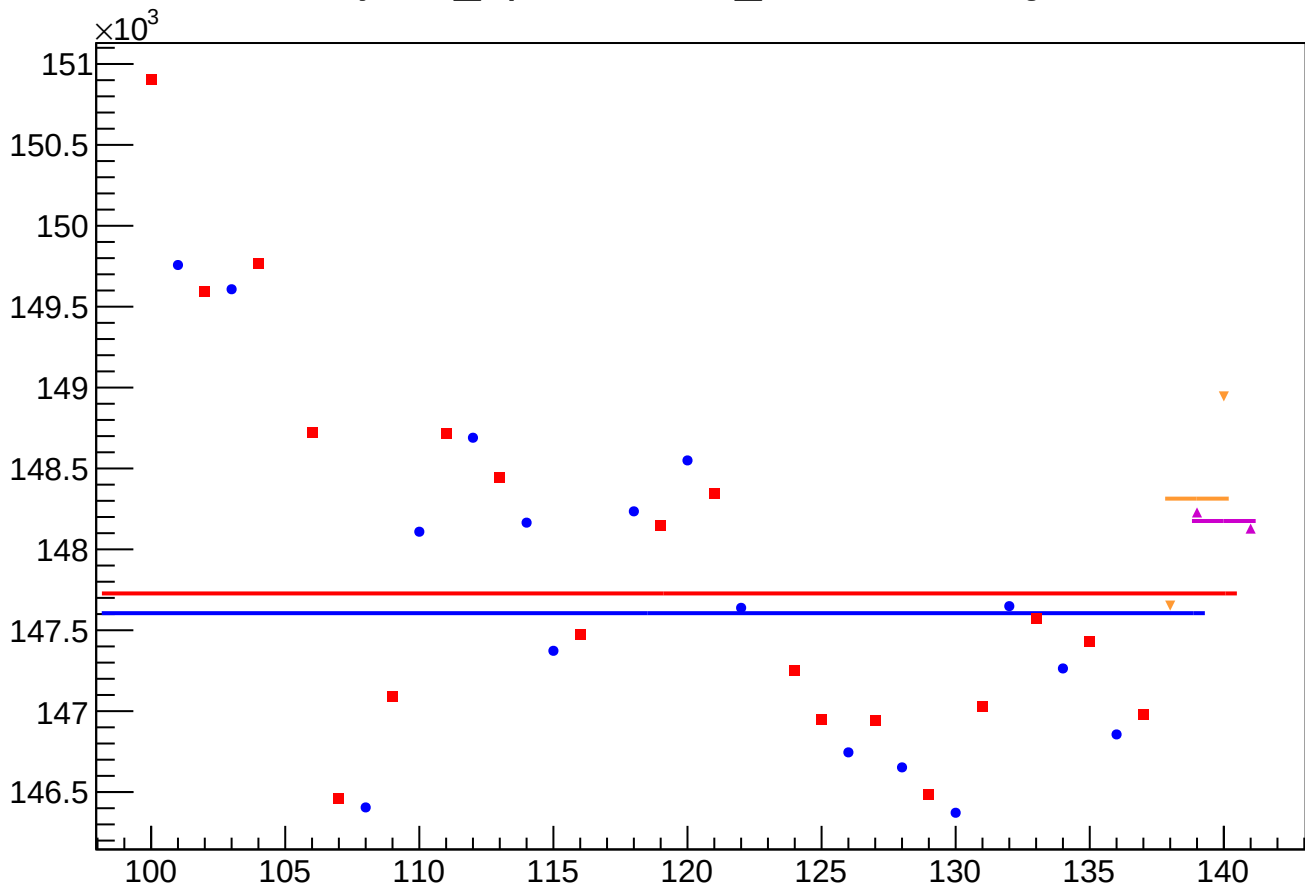
Left In: 166.776 $\pm$ 0.090 χ^2 /NDF:9276.7/1

+ sign 131.907 $\pm$ 0.034 χ^2 /NDF: 1660058.5/17

All: 129.002 $\pm$ 0.023 χ^2 /NDF: 3543950.0/38

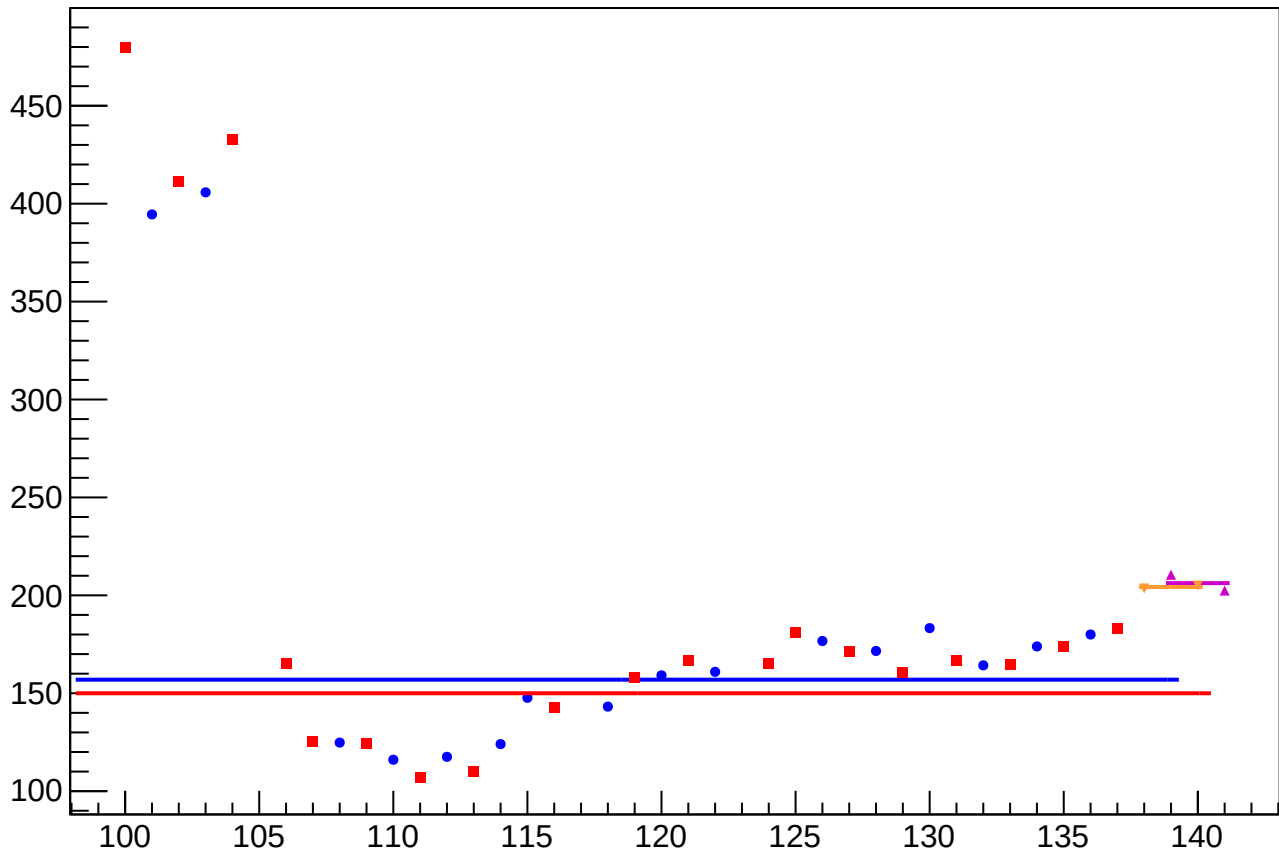
- sign 126.415 $\pm$ 0.032 χ^2 /NDF: 1869805.9/20

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: 148175.320 $\pm$ 0.158 χ^2 /NDF: 100003.0/1
 + sign 147696.440 $\pm$ 0.058 χ^2 /NDF: 232744001.9/1
 All: 147741.827 $\pm$ 0.040 χ^2 /NDF: 435866899.0
 - sign 147782.479 $\pm$ 0.055 χ^2 /NDF: 201975099.2/2

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF : 1265768.6/15

Left Out: 204.248+/-0.115 χ^2/NDF : 43.4/1

Right Out: 149.994+/-0.042 χ^2/NDF : 1453928.8/18

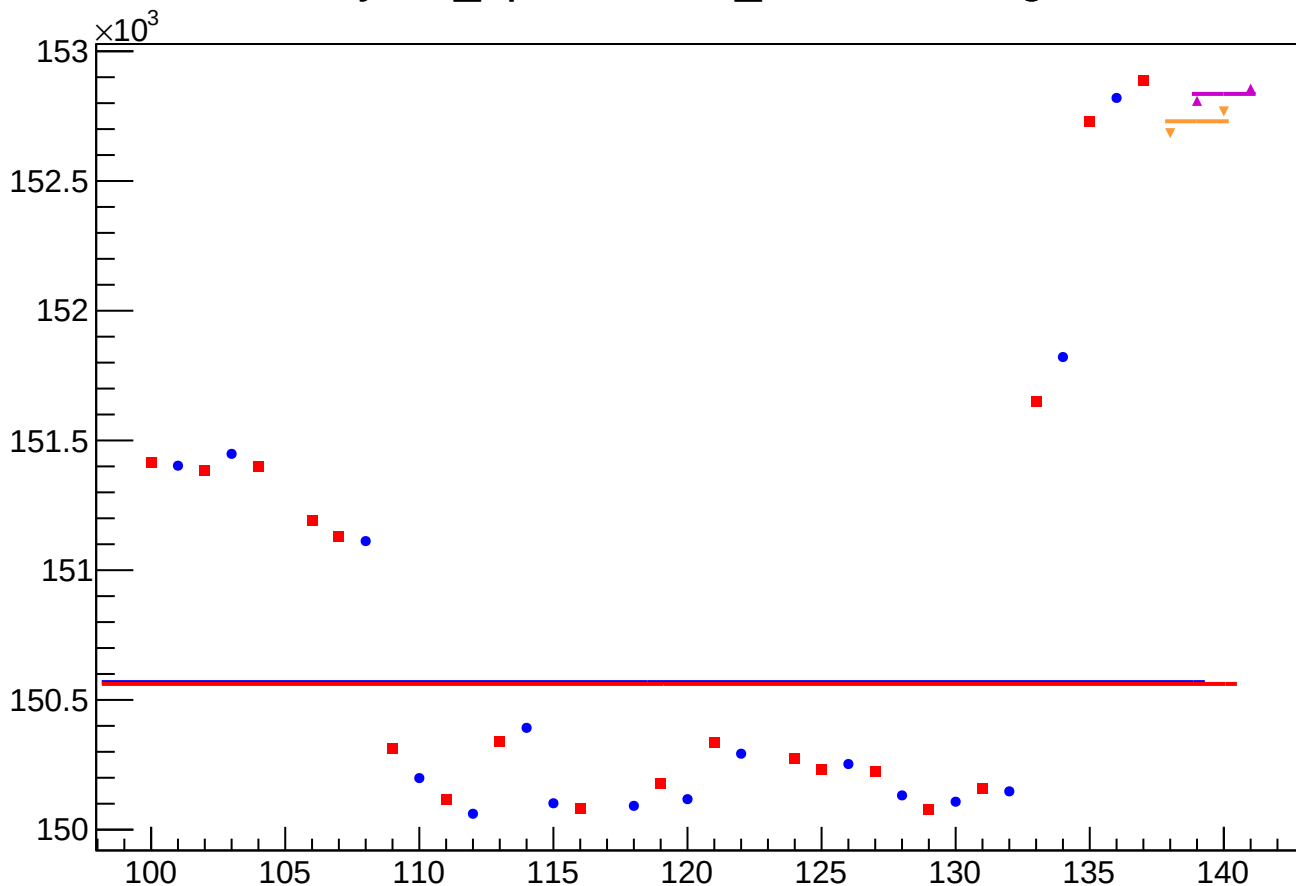
Left In: 206.244+/-0.111 χ^2/NDF : 1306.9/1

+ sign 162.999+/-0.041 χ^2/NDF : 1413036.7/17

All: 159.776+/-0.028 χ^2/NDF : 3103198.0/38

- sign 156.889+/-0.039 χ^2/NDF : 1678586.6/20

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

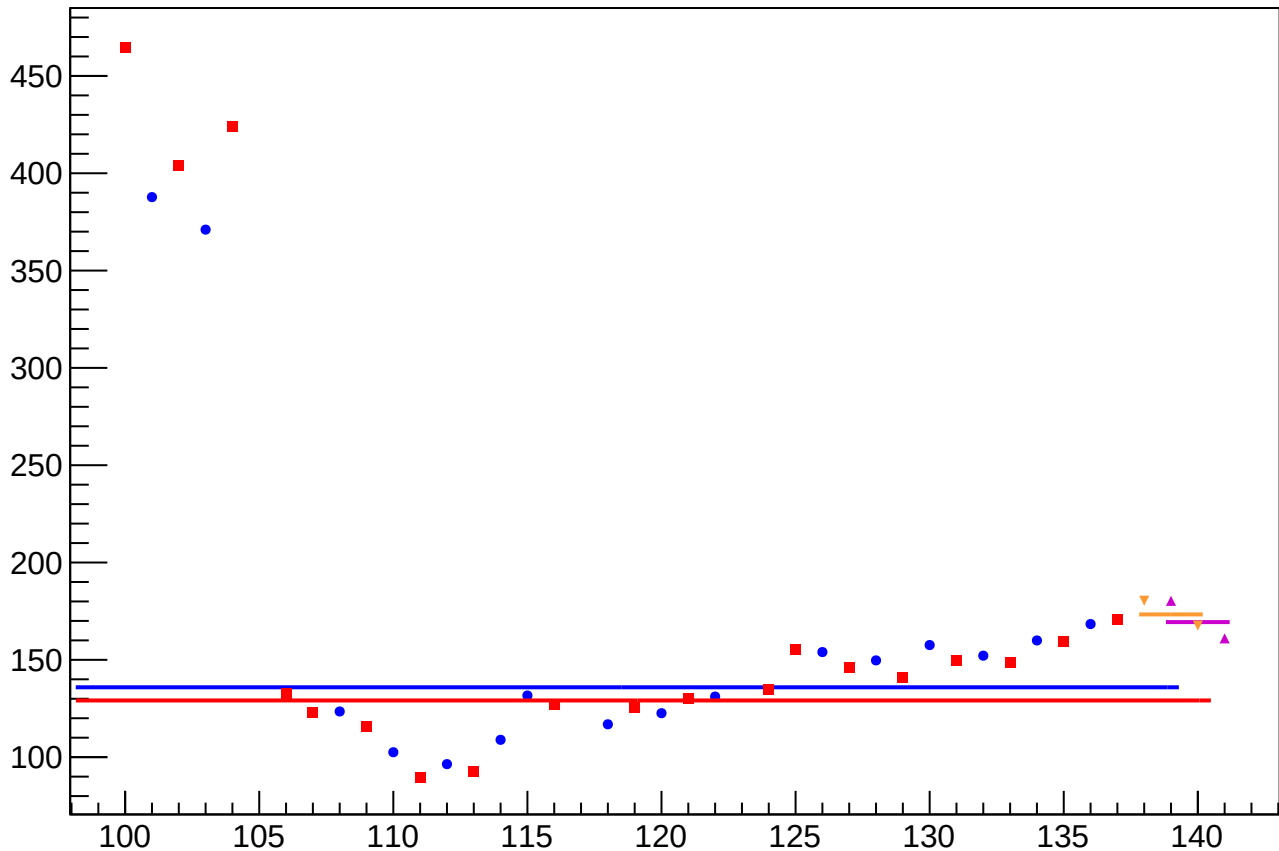
Left In: 152835.584 $\pm$ 0.130 χ^2 /NDF: 32542.5/1

+ sign 150860.374 $\pm$ 0.051 χ^2 /NDF: 448692159.0/1

All: 150863.448 $\pm$ 0.035 χ^2 /NDF: 912617214

- sign 150866.130 $\pm$ 0.047 χ^2 /NDF: 463918199.1/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF : 1416332.3/15

Left Out: 173.338+/-0.098 χ^2/NDF : 4237.2/1

Right Out: 129.130+/-0.036 χ^2/NDF : 1614311.0/18

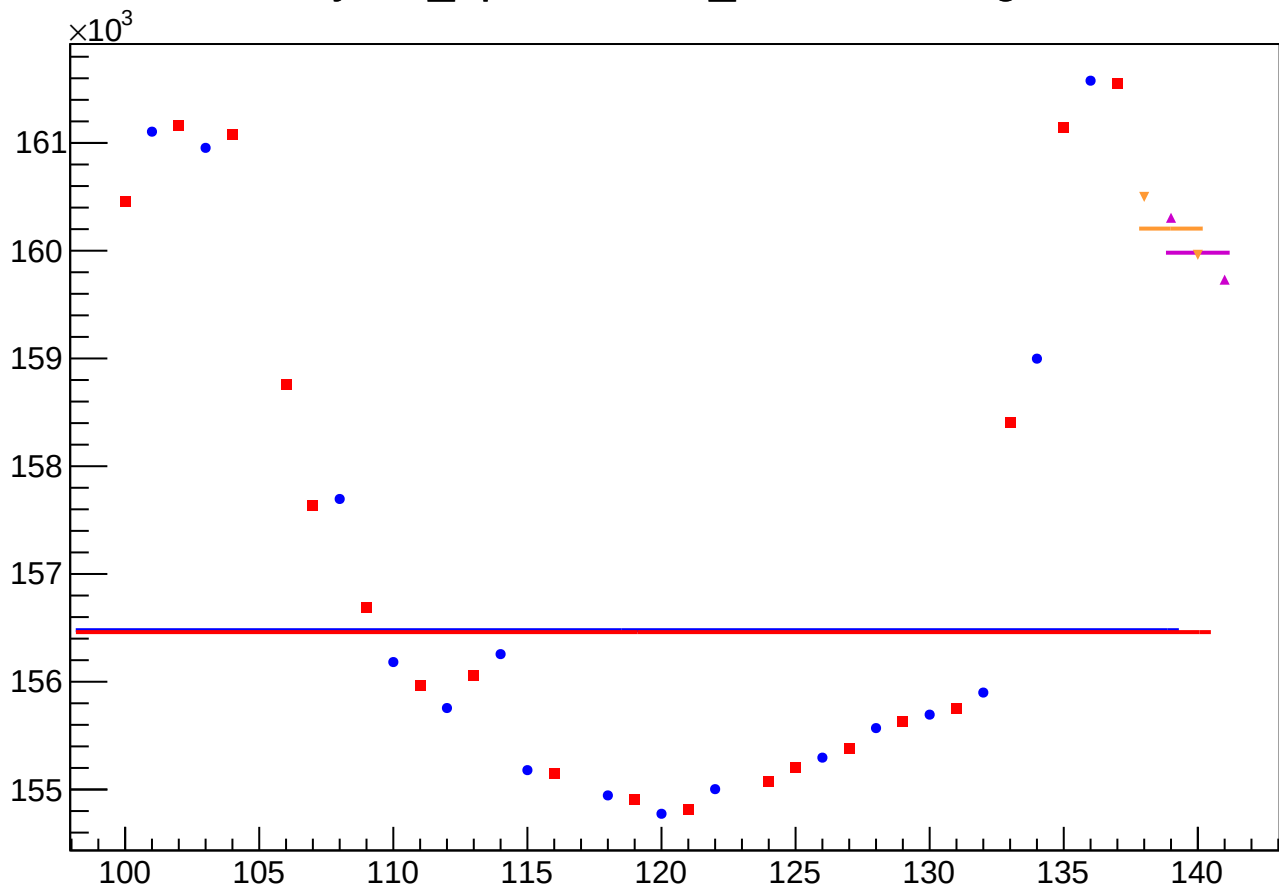
Left In: 169.395+/-0.092 χ^2/NDF : 10871.4/1

+ sign 140.950+/-0.036 χ^2/NDF : 1547459.0/17

All: 137.517+/-0.025 χ^2/NDF : 3356788.3/38

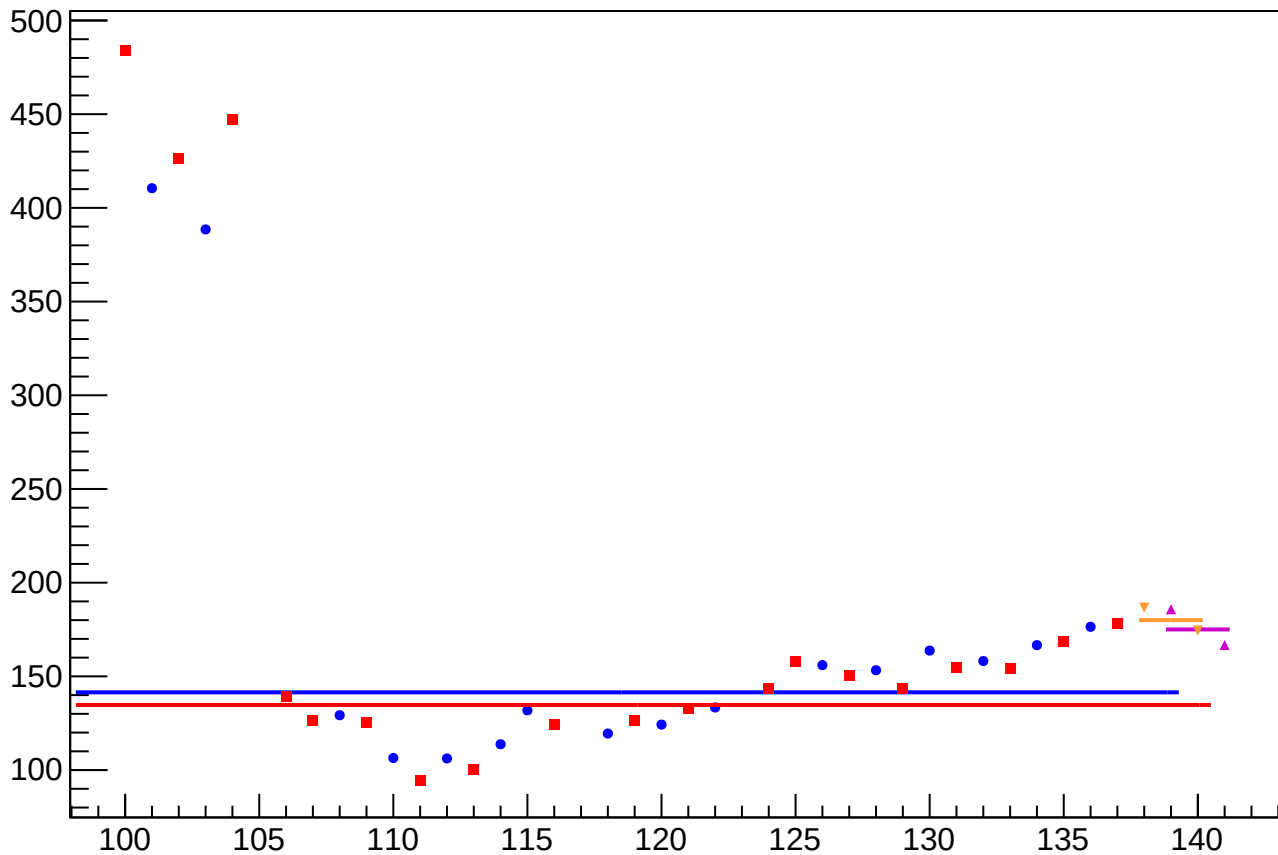
- sign 134.522+/-0.034 χ^2/NDF : 1792225.1/20

yield_bpm2i02WS_mean vs Slug



Right In: 156478.318 ± 0.057 $\chi^2/\text{NDF}: 1289449253.3/15$
 Left Out: 160205.220 ± 0.143 $\chi^2/\text{NDF}: 3477374.6/1$
 Right Out: 156460.550 ± 0.053 $\chi^2/\text{NDF}: 1100531658.8/18$
 Left In: 159981.378 ± 0.134 $\chi^2/\text{NDF}: 4517003.5/1$
 All: 156959.710 ± 0.036 $\chi^2/\text{NDF}: 357838172$
 + sign 156983.449 ± 0.053 $\chi^2/\text{NDF}: 1876158610.6$
 - sign 156938.960 ± 0.049 $\chi^2/\text{NDF}: 1701844607.5/1$

yield_bpm2i02WS_rms vs Slug



Right In: 141.470 $\pm$ 0.040 χ^2 /NDF: 1391933.2/15

Left Out: 179.989 $\pm$ 0.101 χ^2 /NDF:3585.1/1

Right Out: 134.746 $\pm$ 0.038 χ^2 /NDF: 1579031.5/18

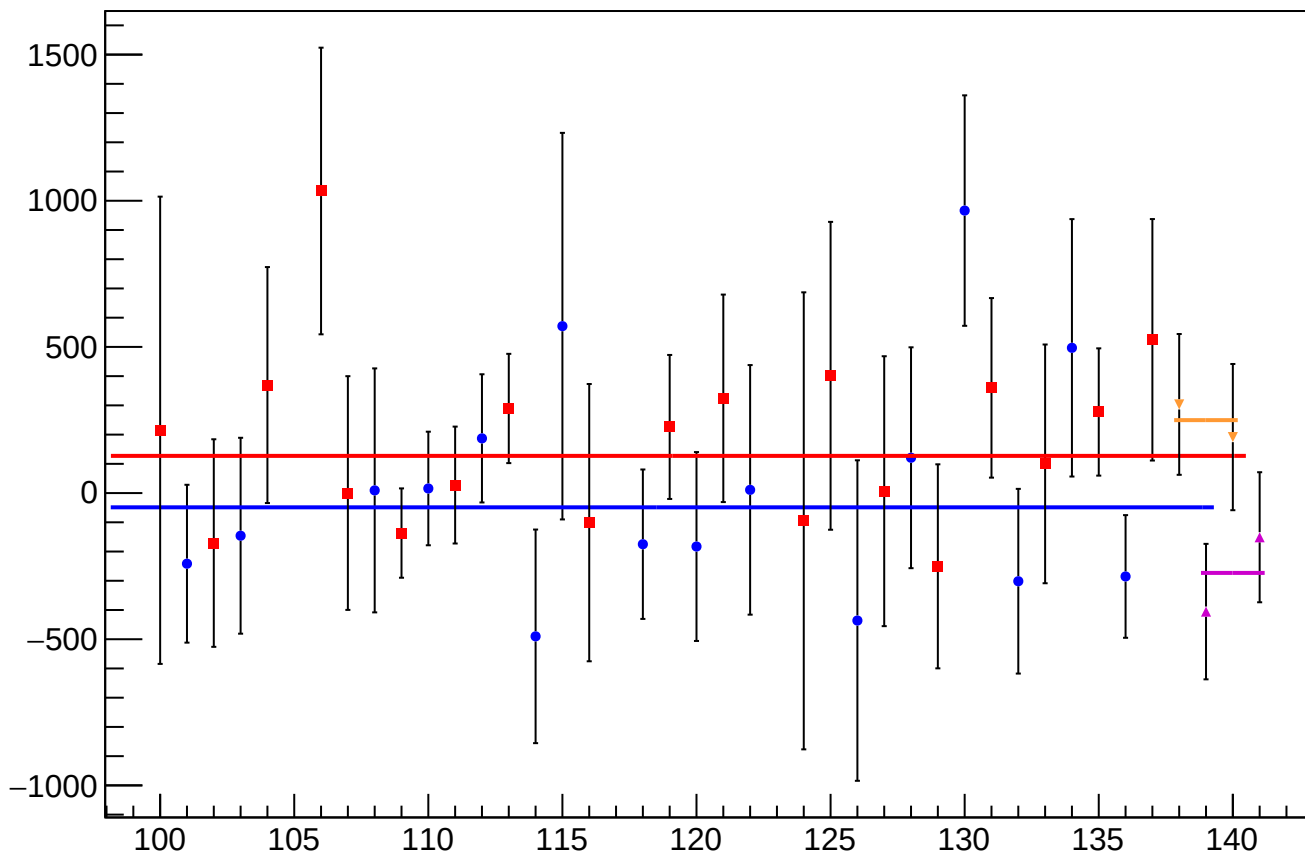
Left In: 175.037 $\pm$ 0.095 χ^2 /NDF:9987.6/1

+ sign 146.691 $\pm$ 0.037 χ^2 /NDF: 1520122.7/17

All: 143.238 $\pm$ 0.026 χ^2 /NDF: 3281464.3/38

- sign 140.220 $\pm$ 0.035 χ^2 /NDF: 1745329.2/20

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 $\chi^2/\text{NDF}: 12.9/18$

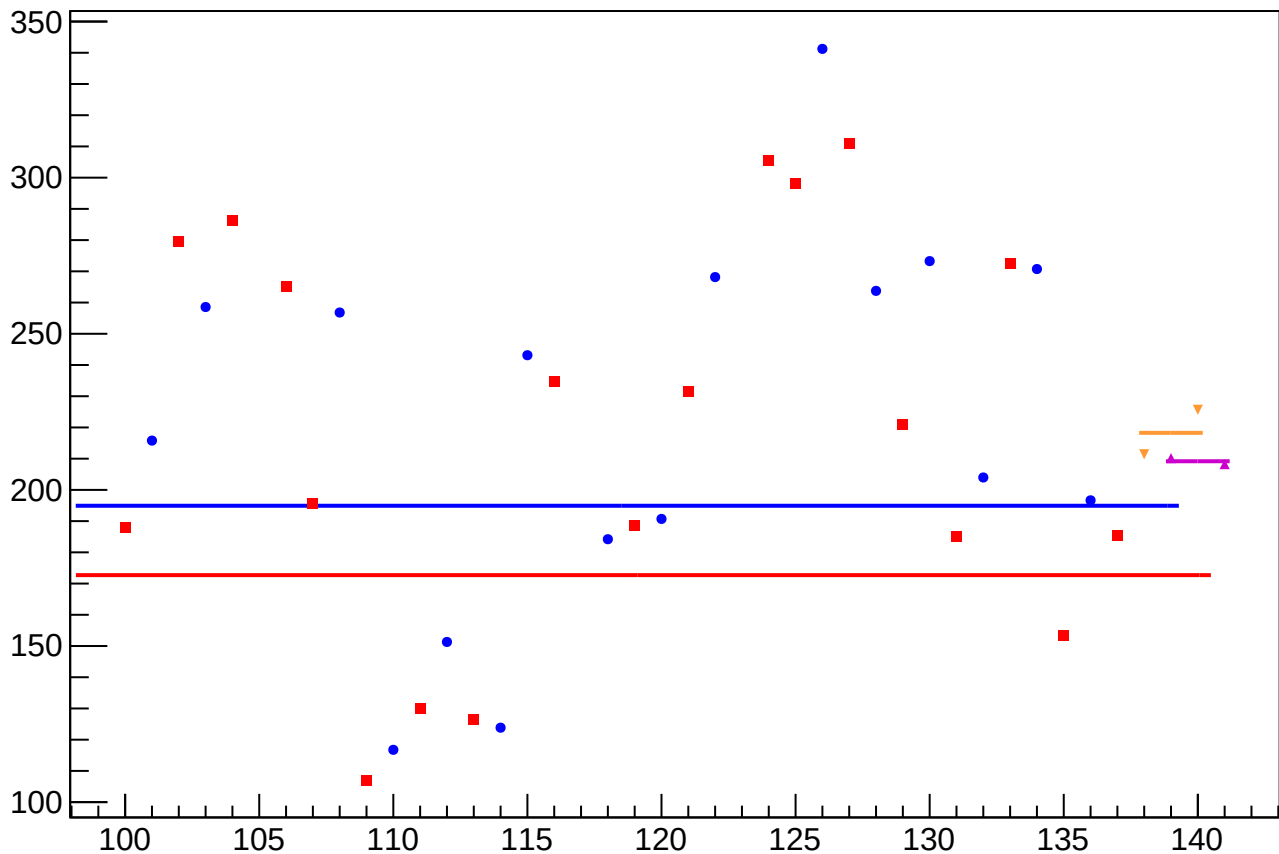
Left In: -273.127 ± 160.479 $\chi^2/\text{NDF}: 0.6/1$

+ sign -0.097 ± 70.067 $\chi^2/\text{NDF}: 18.0/17$

All: 36.192 ± 46.850 $\chi^2/\text{NDF}: 37.2/38$

- sign 65.534 ± 63.005 $\chi^2/\text{NDF}: 18.7/20$

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

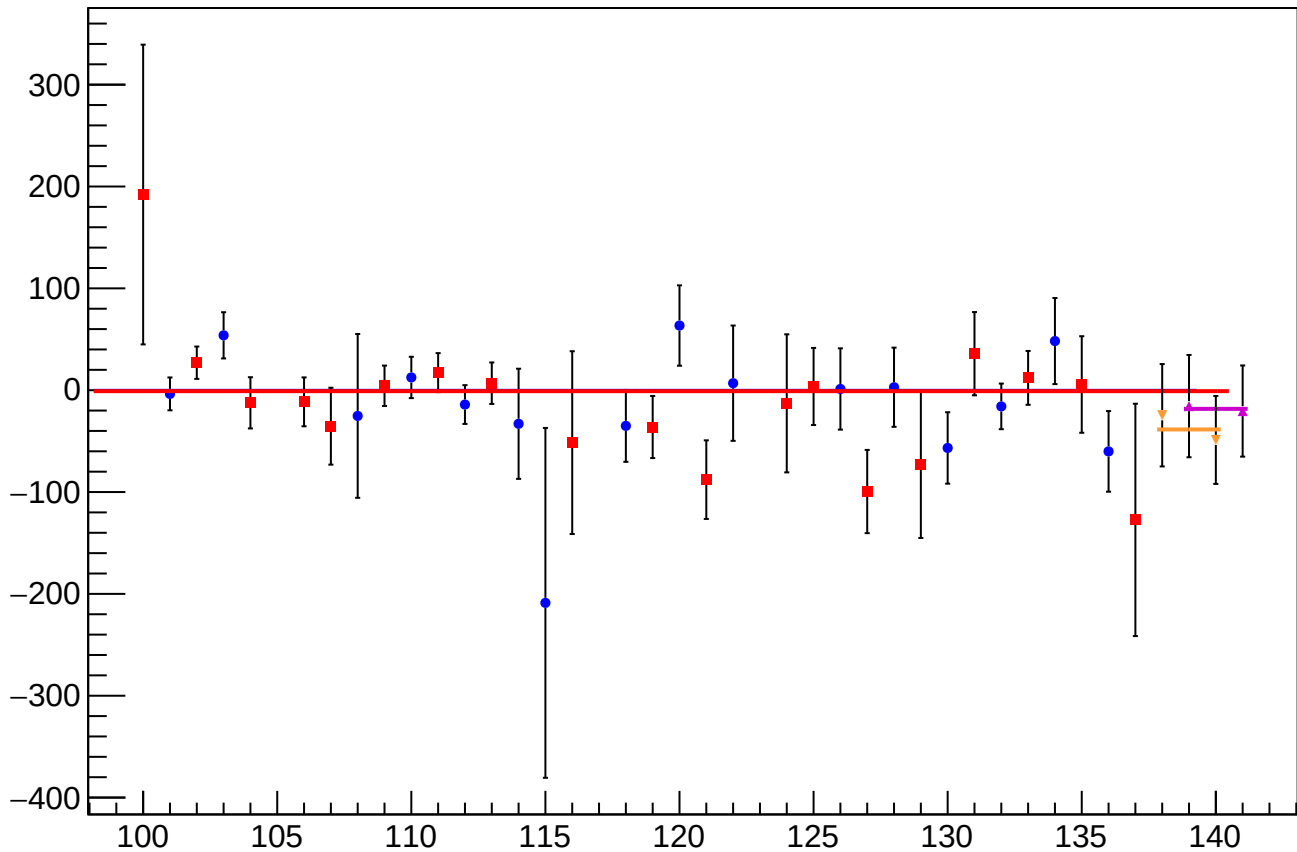
Left In: 209.175+/-0.113 χ^2/NDF : 72.5/1

+ sign 198.731+/-0.050 χ^2/NDF : 1062586.6/17

All: 187.449+/-0.033 χ^2/NDF : 2875175.8/38

- sign 178.326+/-0.045 χ^2/NDF : 1718797.9/20

asym_bcm_an_diff_mean vs Slug



Right In: -0.624 ± 7.340 χ^2/NDF : 18.9/15

Left Out: -38.547 ± 32.747 χ^2/NDF : 0.1/1

Right Out: -0.938 ± 6.767 χ^2/NDF : 23.1/18

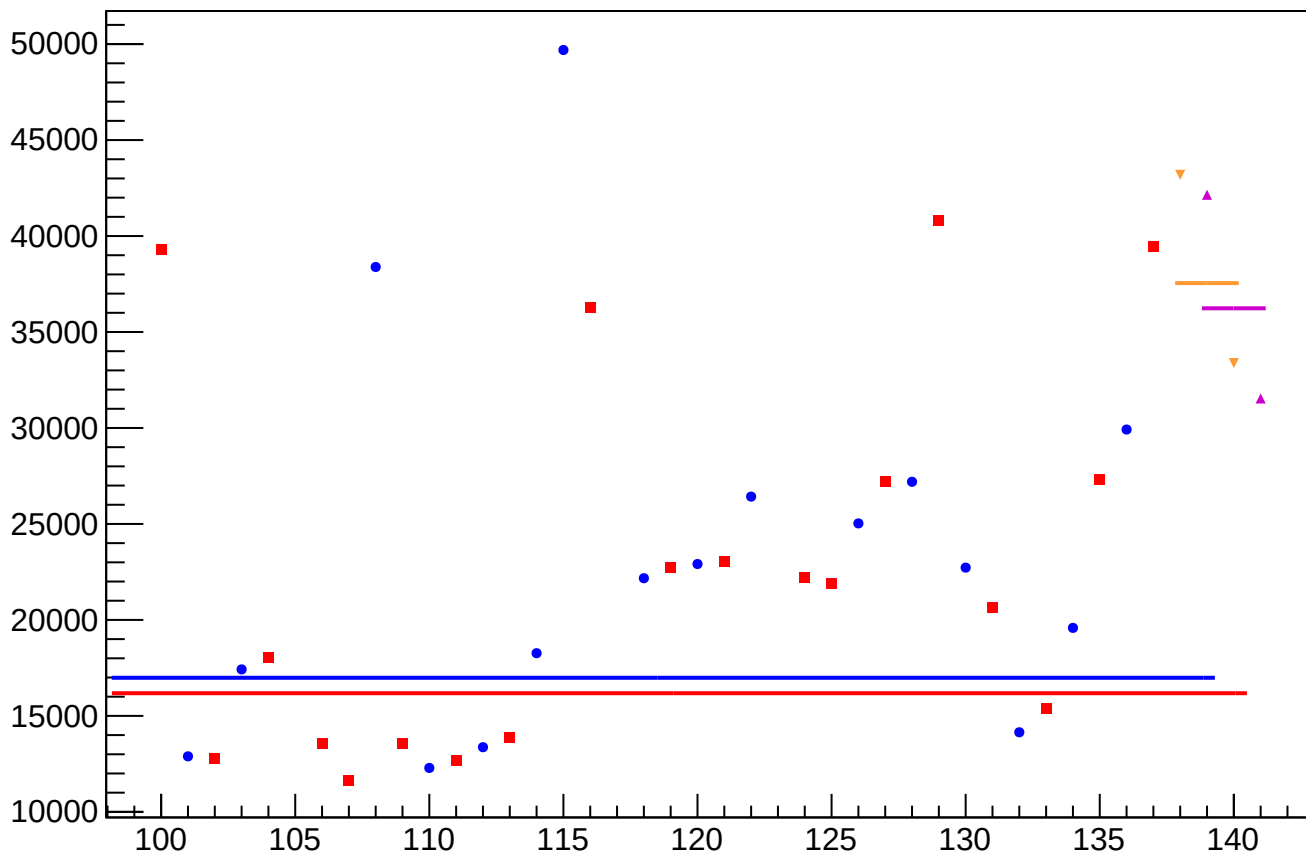
Left In: -18.325 ± 33.416 χ^2/NDF : 0.0/1

+ sign -2.438 ± 7.163 χ^2/NDF : 20.3/17

All: -1.999 ± 4.866 χ^2/NDF : 43.6/38

- sign -1.622 ± 6.632 χ^2/NDF : 23.3/20

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

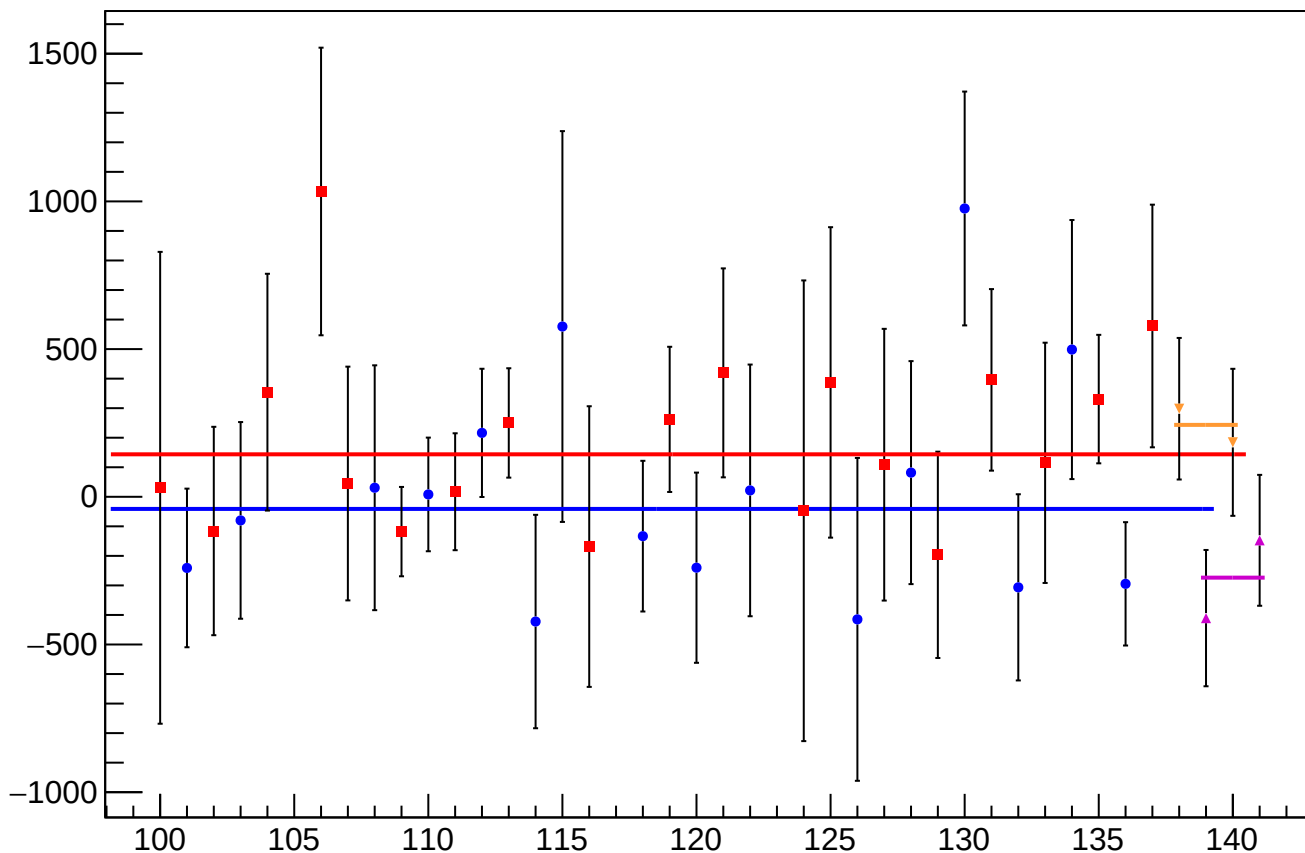
Left In: 36234.824 $\pm$ 23.629 χ^2 /NDF:49766.1/1

+ sign 17970.052 $\pm$ 5.065 χ^2 /NDF: 1988690.9/17

All: 17432.656 $\pm$ 3.441 χ^2 /NDF: 4002706.1/3

- sign 16971.869 $\pm$ 4.690 χ^2 /NDF: 1993103.0/20

asym_bcm_an_ds_mean vs Slug



Right In: -41.048 ± 76.156 χ^2/NDF : 15.5/15

Left Out: 243.440 ± 172.603 χ^2/NDF : 0.1/1

Right Out: 143.821 ± 68.080 χ^2/NDF : 13.0/18

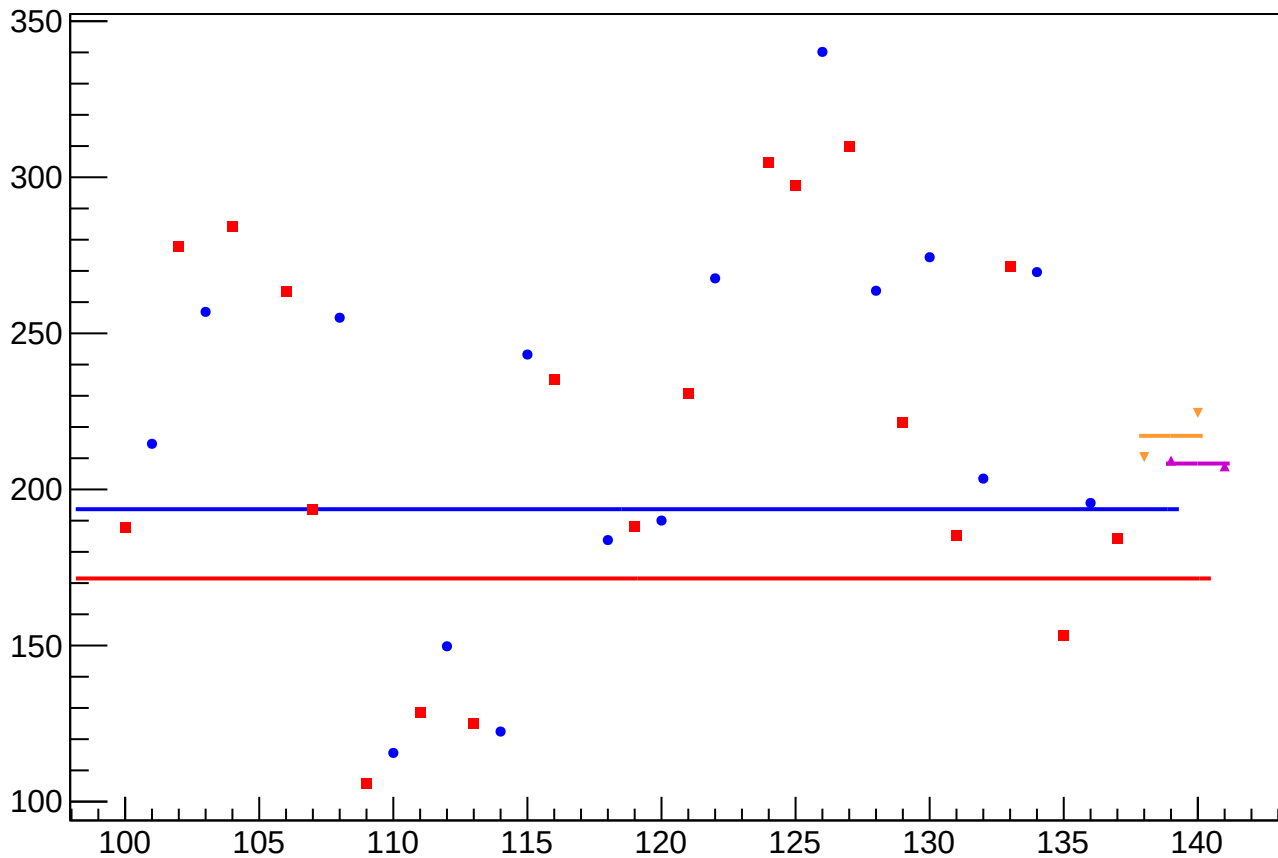
Left In: -273.699 ± 159.807 χ^2/NDF : 0.7/1

+ sign 5.311 ± 69.676 χ^2/NDF : 17.8/17

All: 46.446 ± 46.580 χ^2/NDF : 37.9/38

- sign 79.685 ± 62.633 χ^2/NDF : 19.5/20

asym_bcm_an_ds_rms vs Slug



Right In: 193.670 $\pm$ 0.054 χ^2 /NDF: 1049772.0/15

Left Out: 217.167 $\pm$ 0.122 χ^2 /NDF:3356.4/1

Right Out: 171.484 $\pm$ 0.048 χ^2 /NDF: 1652989.7/18

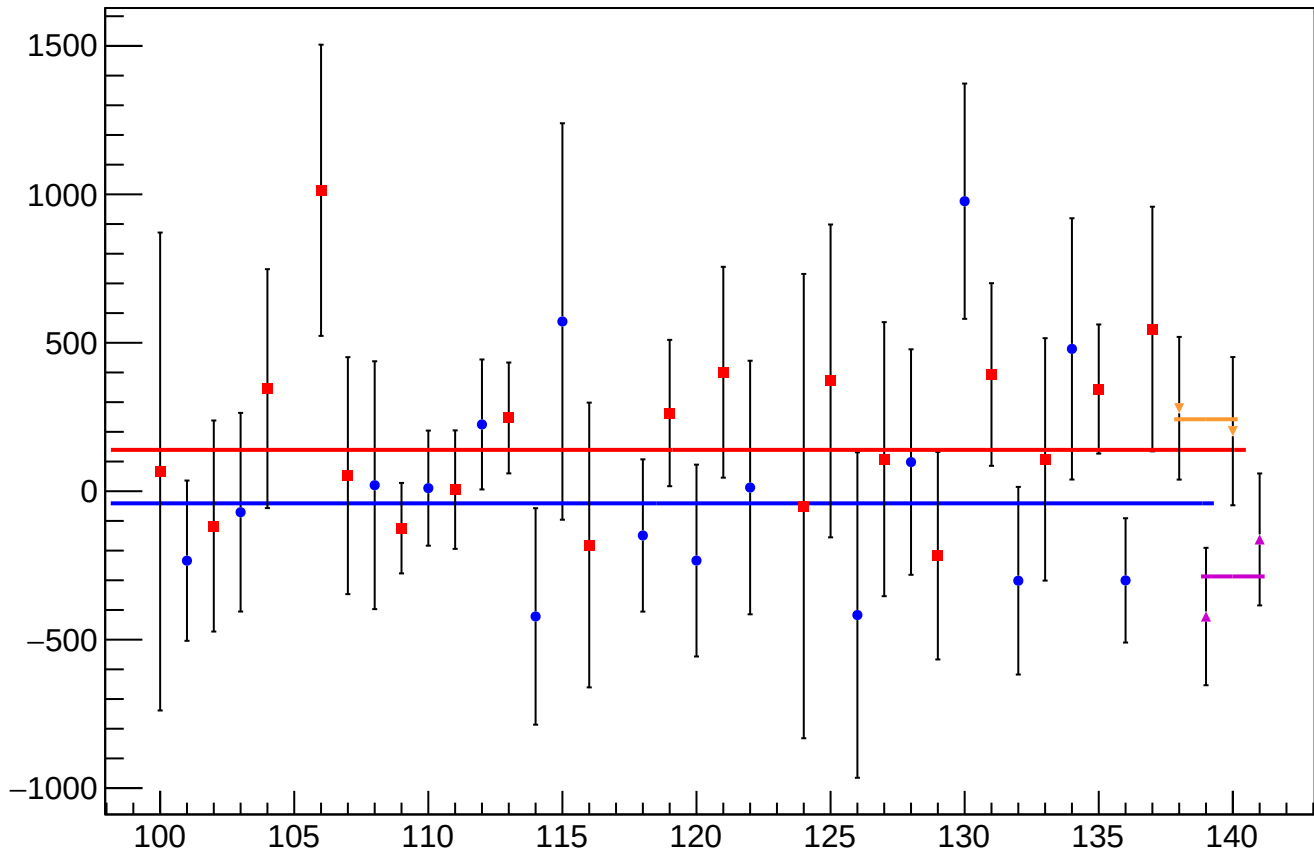
Left In: 208.296 $\pm$ 0.113 χ^2 /NDF:66.8/1

+ sign 197.499 $\pm$ 0.049 χ^2 /NDF: 1084151.7/17

All: 186.238 $\pm$ 0.033 χ^2 /NDF: 2921489.1/38

- sign 177.138 $\pm$ 0.044 χ^2 /NDF: 1742879.3/20

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 $\chi^2/\text{NDF}: 12.9/18$

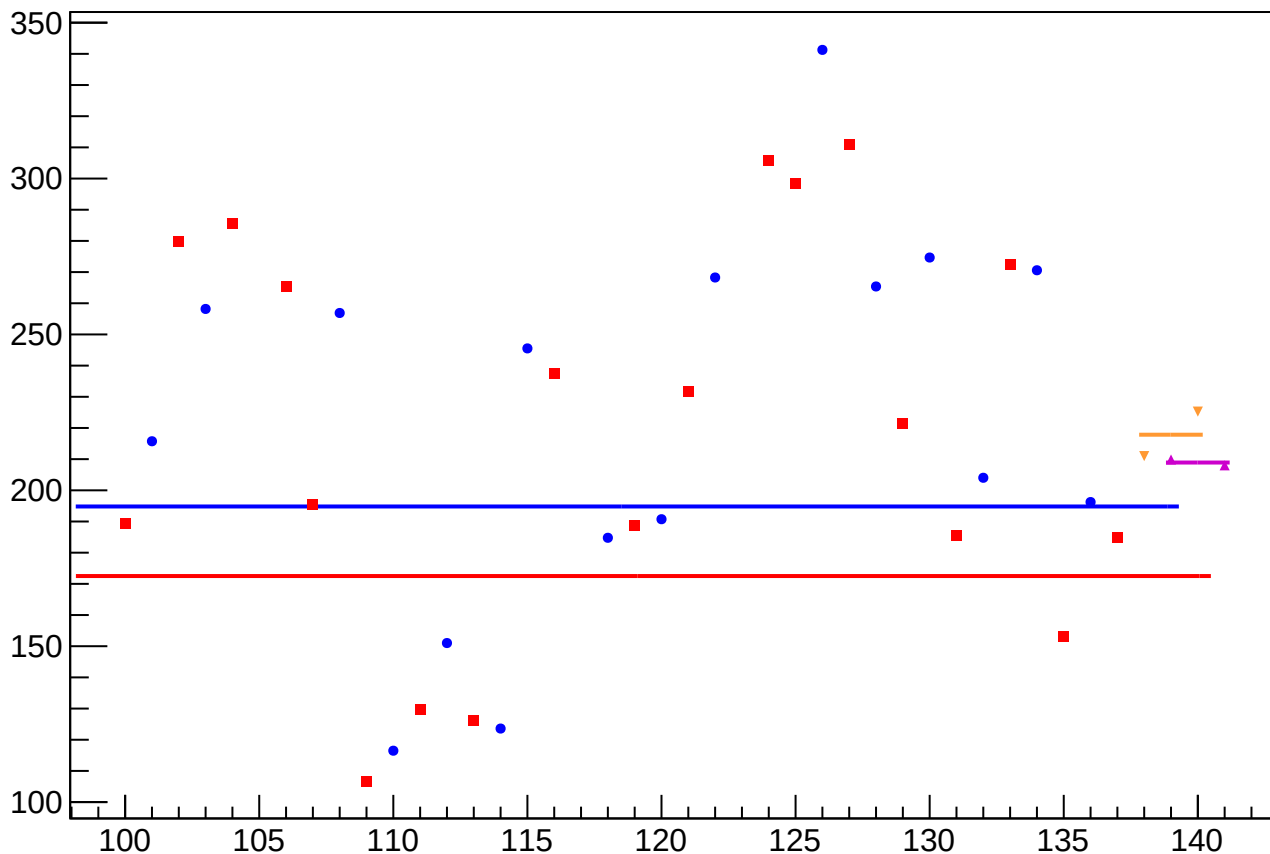
Left In: -286.975 ± 160.284 $\chi^2/\text{NDF}: 0.7/1$

+ sign 5.535 ± 70.035 $\chi^2/\text{NDF}: 17.7/17$

All: 43.139 ± 46.820 $\chi^2/\text{NDF}: 37.7/38$

- sign 73.527 ± 62.957 $\chi^2/\text{NDF}: 19.5/20$

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819 $\pm$ 0.054 χ^2 /NDF: 1039096.7/15

Left Out: 217.839 $\pm$ 0.122 χ^2 /NDF:3392.3/1

Right Out: 172.507 $\pm$ 0.048 χ^2 /NDF: 1642059.1/18

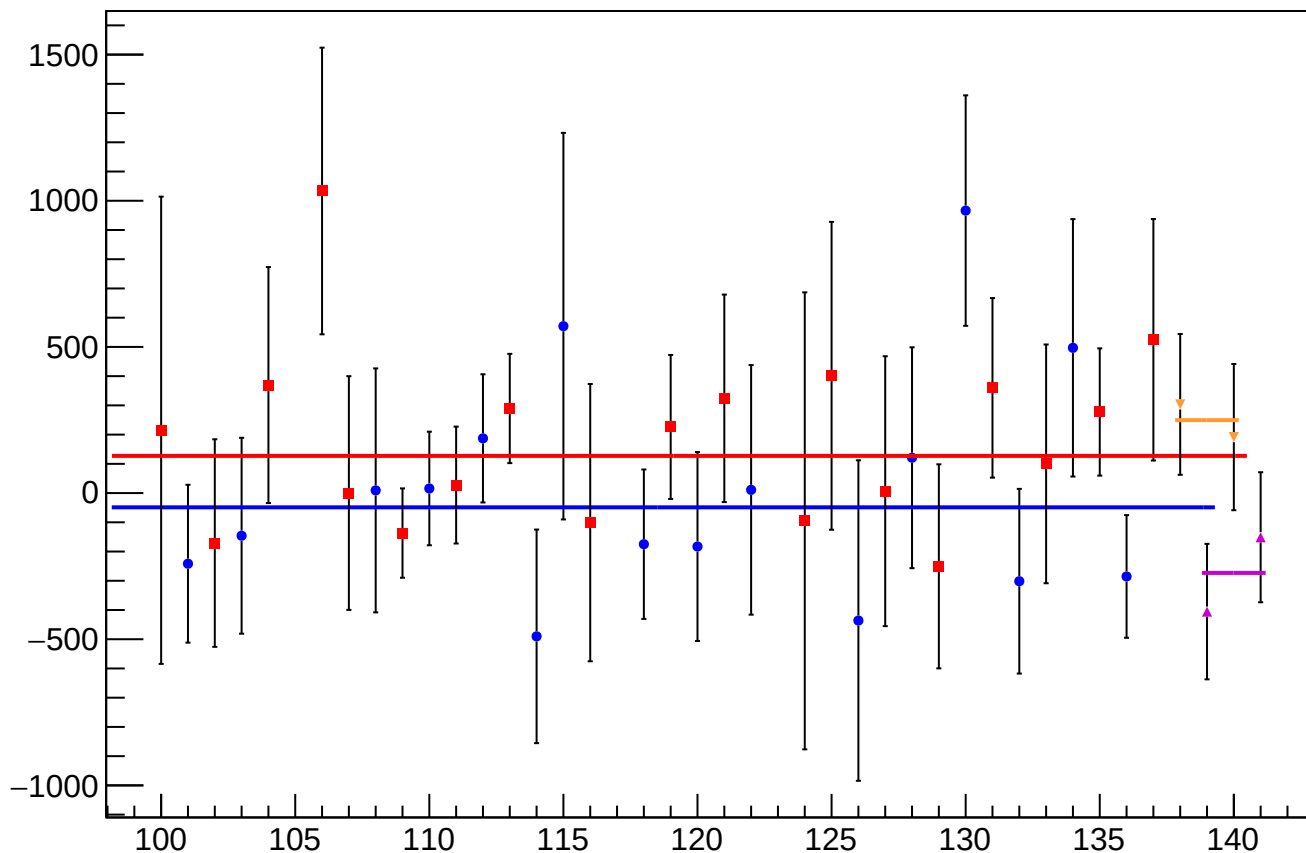
Left In: 208.915 $\pm$ 0.113 χ^2 /NDF:67.7/1

+ sign 198.586 $\pm$ 0.050 χ^2 /NDF: 1072058.6/17

All: 187.269 $\pm$ 0.033 χ^2 /NDF: 2895881.4/38

- sign 178.124 $\pm$ 0.045 χ^2 /NDF: 1729398.8/20

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 $\chi^2/\text{NDF}: 12.9/18$

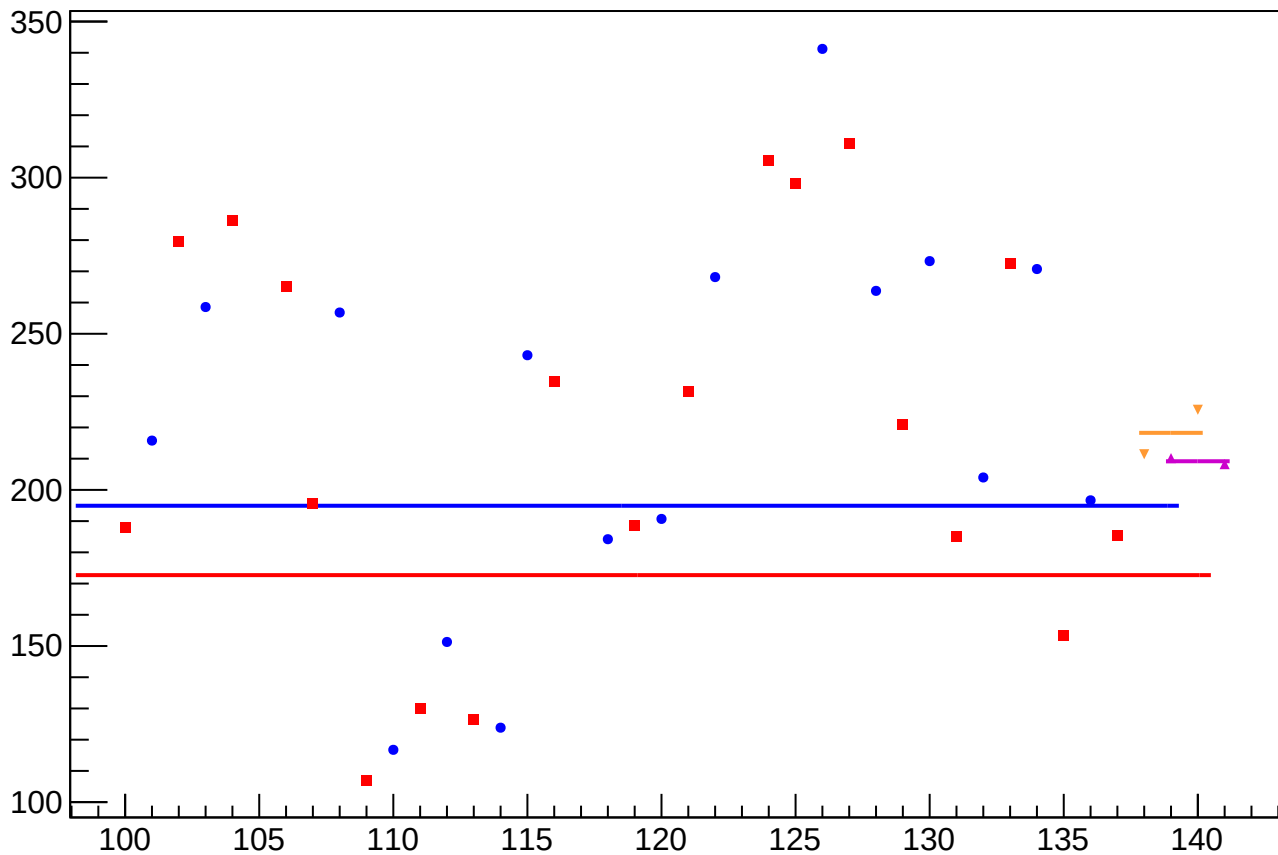
Left In: -273.127 ± 160.479 $\chi^2/\text{NDF}: 0.6/1$

+ sign -0.097 ± 70.067 $\chi^2/\text{NDF}: 18.0/17$

All: 36.192 ± 46.850 $\chi^2/\text{NDF}: 37.2/38$

- sign 65.534 ± 63.005 $\chi^2/\text{NDF}: 18.7/20$

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF : 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF : 3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF : 1631350.4/18

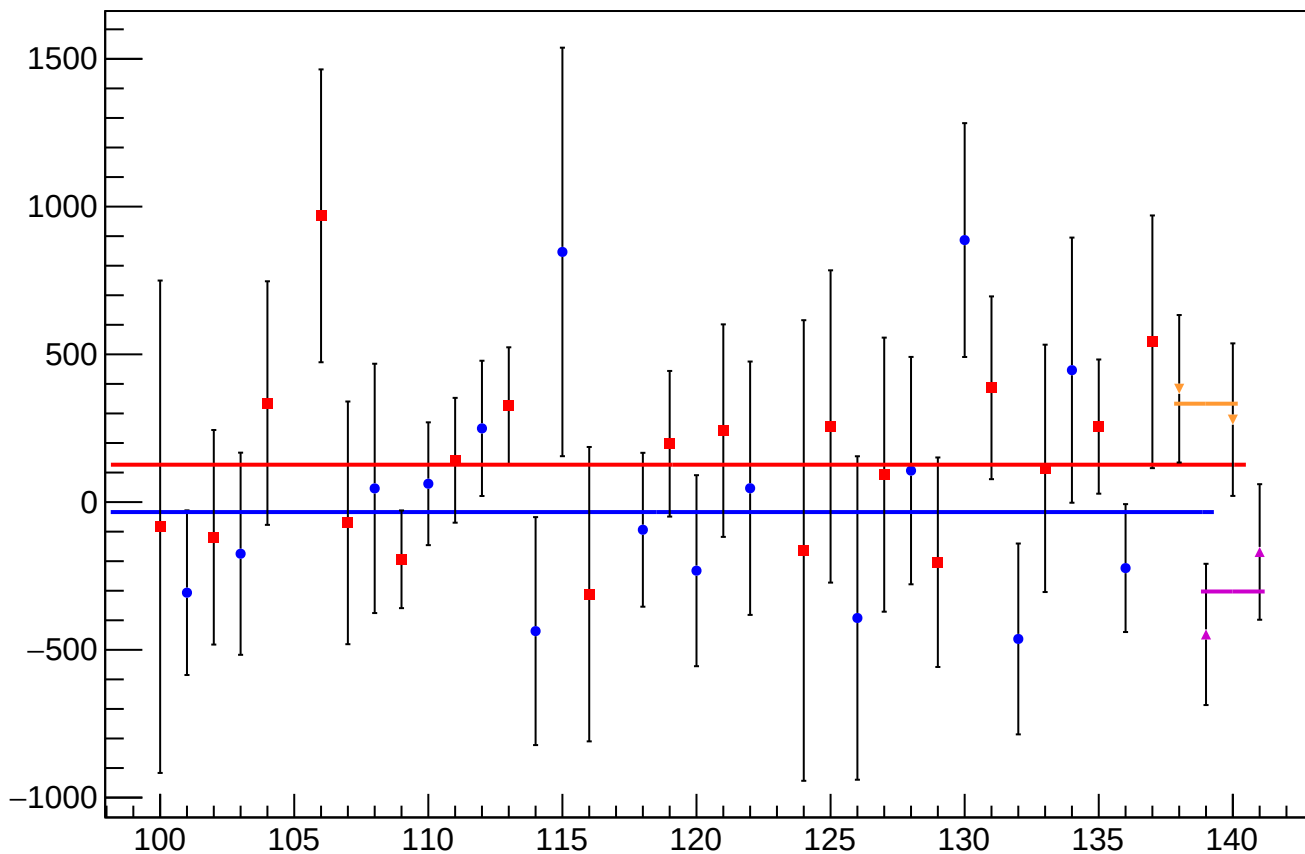
Left In: 209.175+/-0.113 χ^2/NDF : 72.5/1

+ sign 198.731+/-0.050 χ^2/NDF : 1062586.6/17

All: 187.449+/-0.033 χ^2/NDF : 2875175.8/38

- sign 178.326+/-0.045 χ^2/NDF : 1718797.9/20

asym_bcm_dg_us_mean vs Slug



Right In: -33.731 ± 78.996 $\chi^2/\text{NDF}: 15.7/15$

Left Out: 333.044 ± 179.418 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 126.563 ± 71.309 $\chi^2/\text{NDF}: 12.7/18$

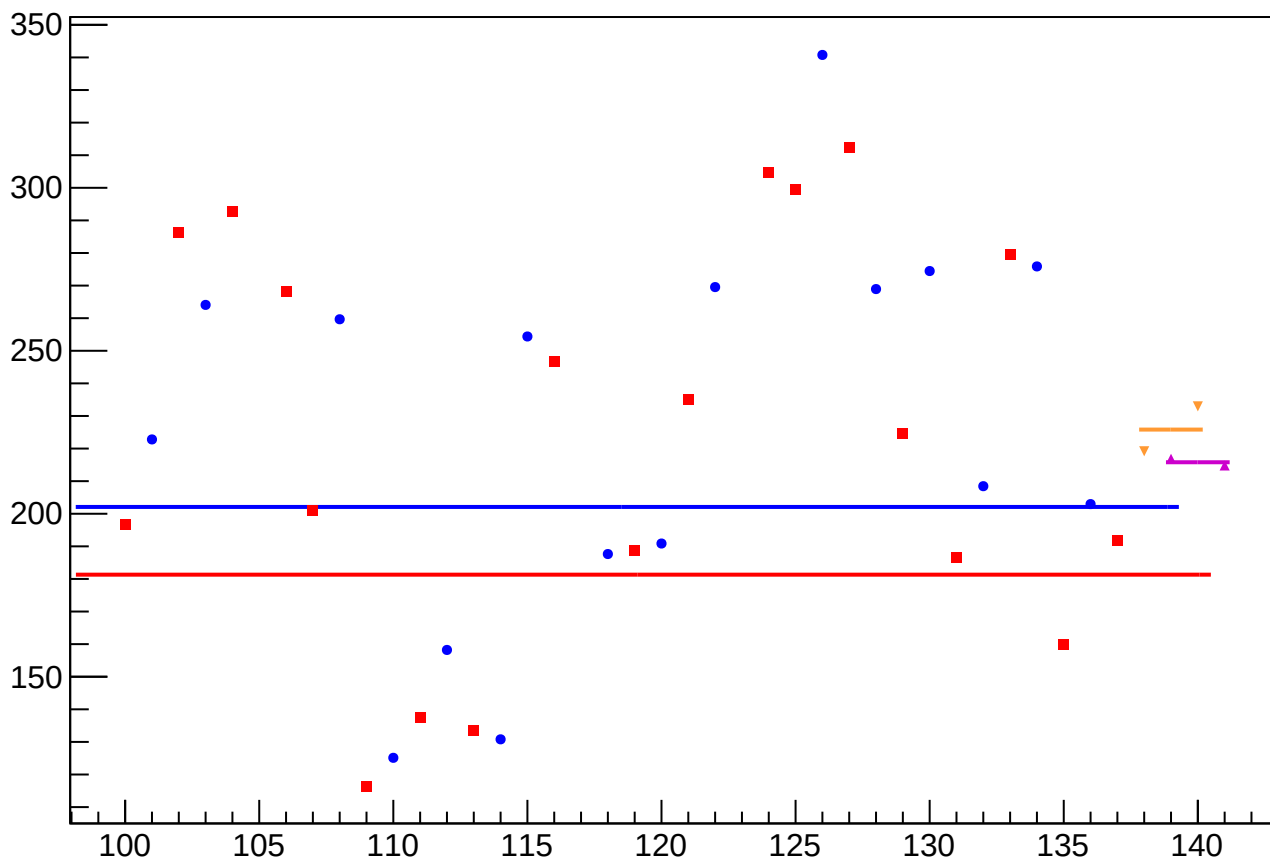
Left In: -302.571 ± 165.501 $\chi^2/\text{NDF}: 0.7/1$

+ sign 25.824 ± 72.298 $\chi^2/\text{NDF}: 19.3/17$

All: 44.251 ± 48.537 $\chi^2/\text{NDF}: 38.5/38$

- sign 59.370 ± 65.489 $\chi^2/\text{NDF}: 19.1/20$

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

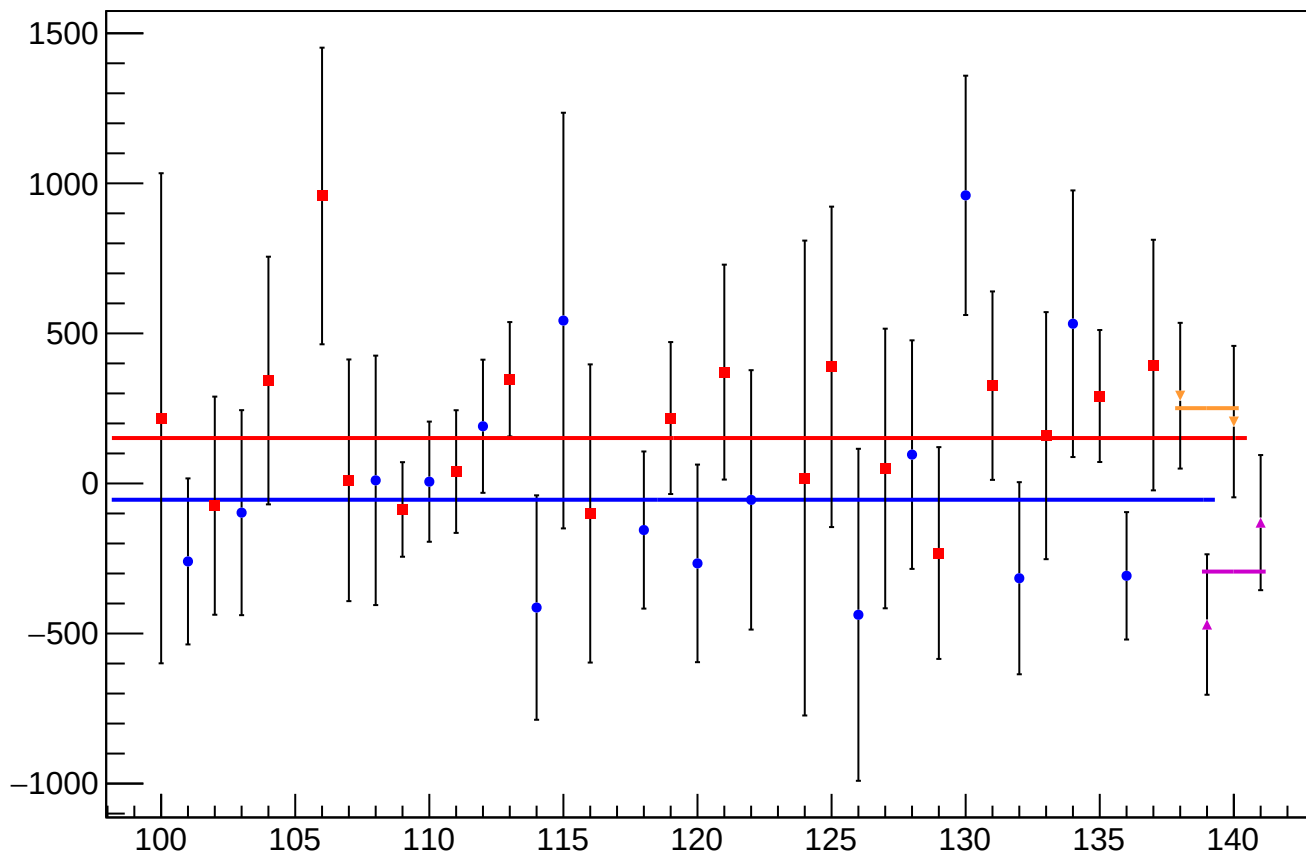
Left In: 215.800 $\pm$ 0.117 χ^2 /NDF:76.5/1

+ sign 205.944 $\pm$ 0.051 χ^2 /NDF: 942520.4/17

All: 195.380 $\pm$ 0.034 χ^2 /NDF: 2534571.3/38

- sign 186.712 $\pm$ 0.046 χ^2 /NDF: 1514315.6/20

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254 ± 77.946 $\chi^2/\text{NDF}: 15.1/15$

Left Out: 250.886 ± 174.948 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 151.358 ± 69.902 $\chi^2/\text{NDF}: 10.2/18$

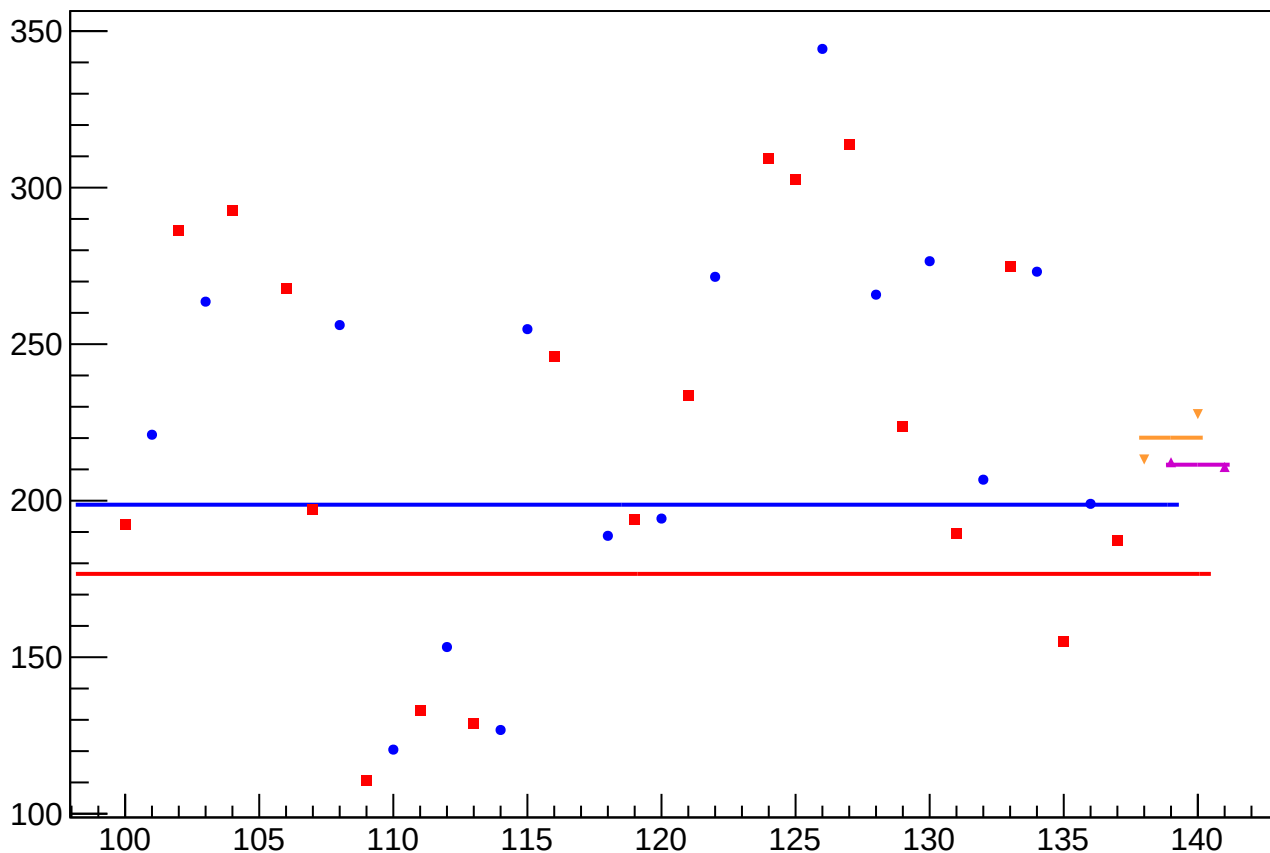
Left In: -293.625 ± 162.243 $\chi^2/\text{NDF}: 1.1/1$

+ sign -3.715 ± 71.199 $\chi^2/\text{NDF}: 17.7/17$

All: 43.392 ± 47.678 $\chi^2/\text{NDF}: 36.1/38$

- sign 81.689 ± 64.197 $\chi^2/\text{NDF}: 17.7/20$

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

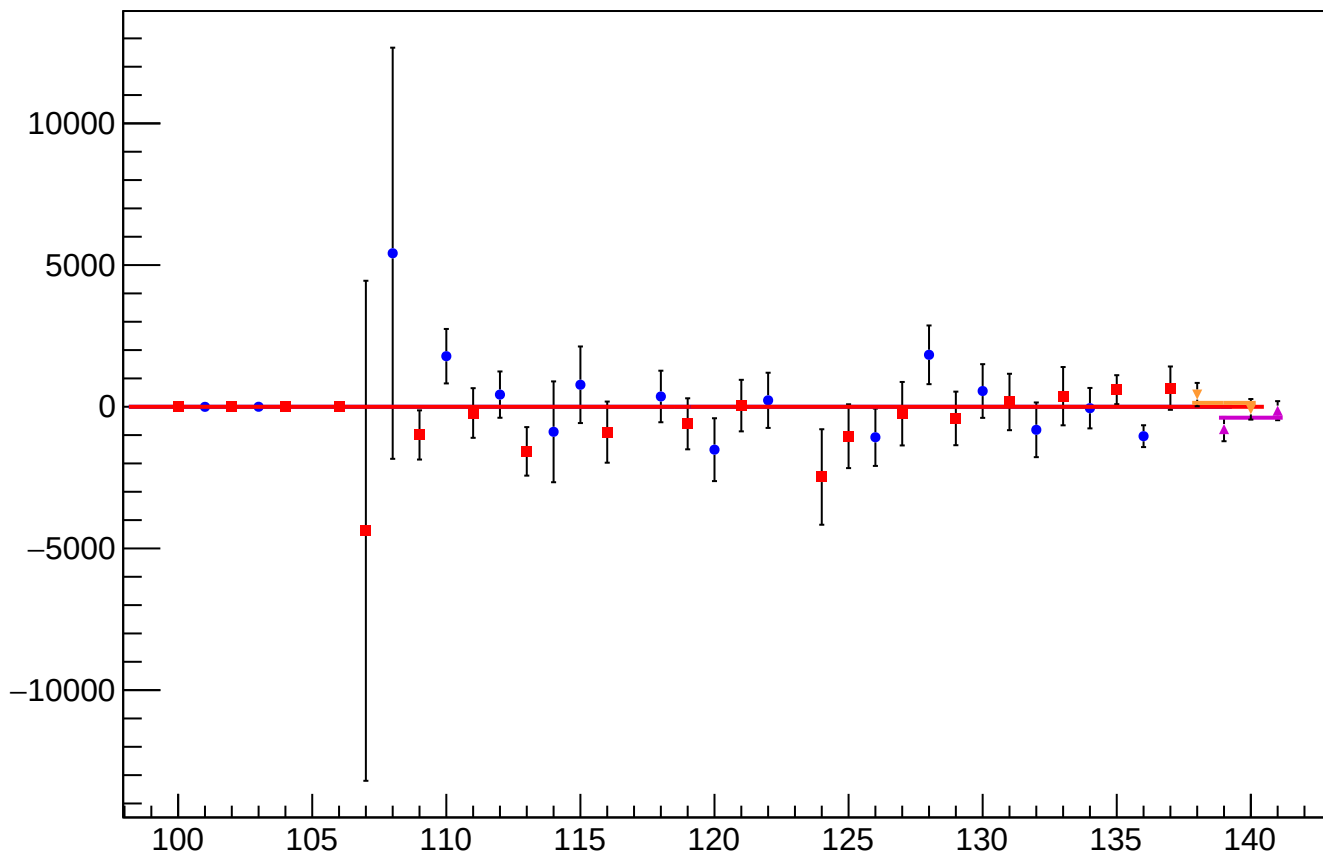
Left In: 211.500 $\pm$ 0.115 χ^2 /NDF:44.0/1

+ sign 202.264 $\pm$ 0.050 χ^2 /NDF: 1022482.2/17

All: 191.132 $\pm$ 0.034 χ^2 /NDF: 2784832.0/38

- sign 182.082 $\pm$ 0.045 χ^2 /NDF: 1673711.8/20

asym_cav4bQ_mean vs Slug



Right In: -1.239 ± 2.171 χ^2/NDF : 19.9/15

Left Out: 137.381 ± 272.571 χ^2/NDF : 0.9/1

Right Out: -1.377 ± 2.022 χ^2/NDF : 16.8/18

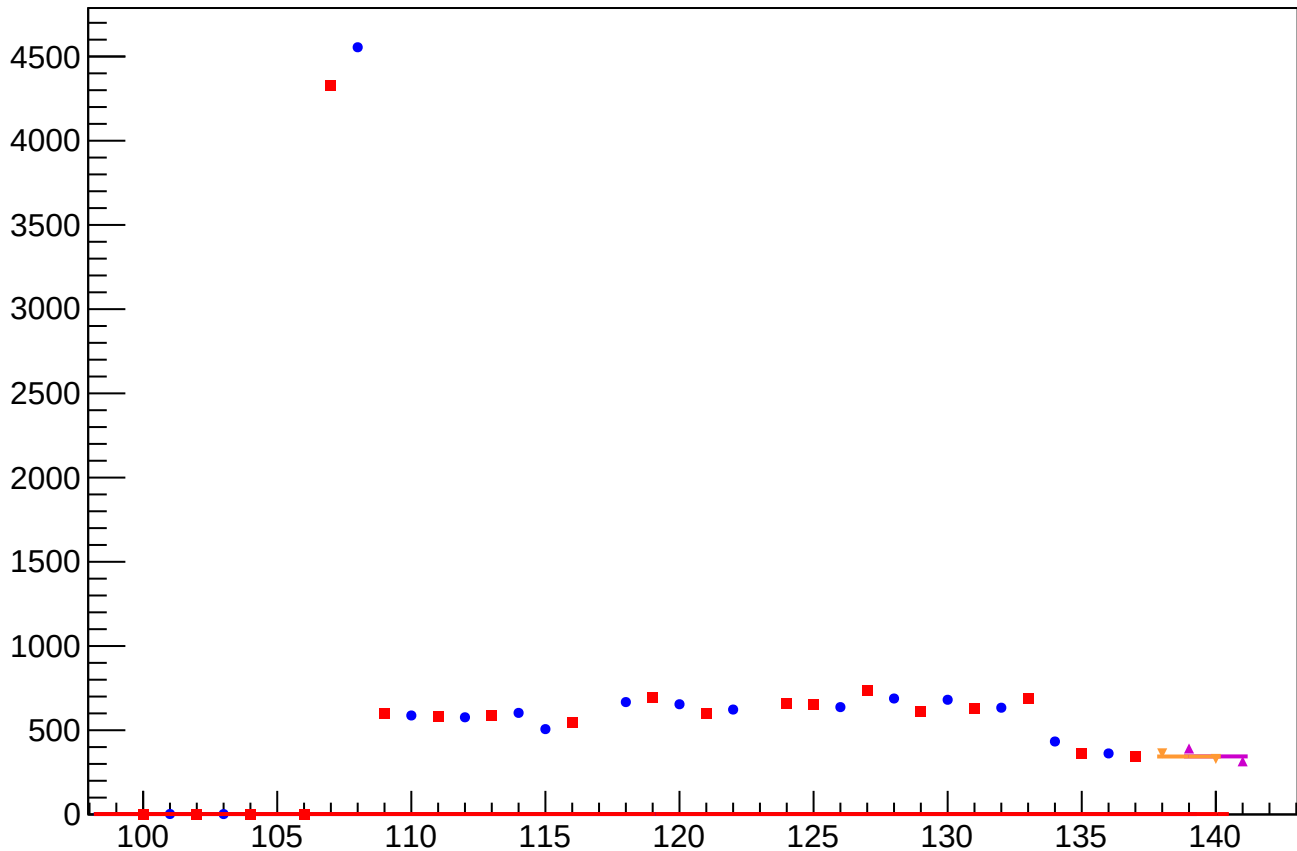
Left In: -386.088 ± 264.439 χ^2/NDF : 1.4/1

+ sign -1.230 ± 2.171 χ^2/NDF : 21.1/17

All: -1.321 ± 1.480 χ^2/NDF : 41.5/38

- sign -1.400 ± 2.022 χ^2/NDF : 20.4/20

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF : 11626192.3/15

Left Out: 344.015+/-0.193 χ^2/NDF : 7272.1/1

Right Out: 2.462+/-0.001 χ^2/NDF : 11545445.6/18

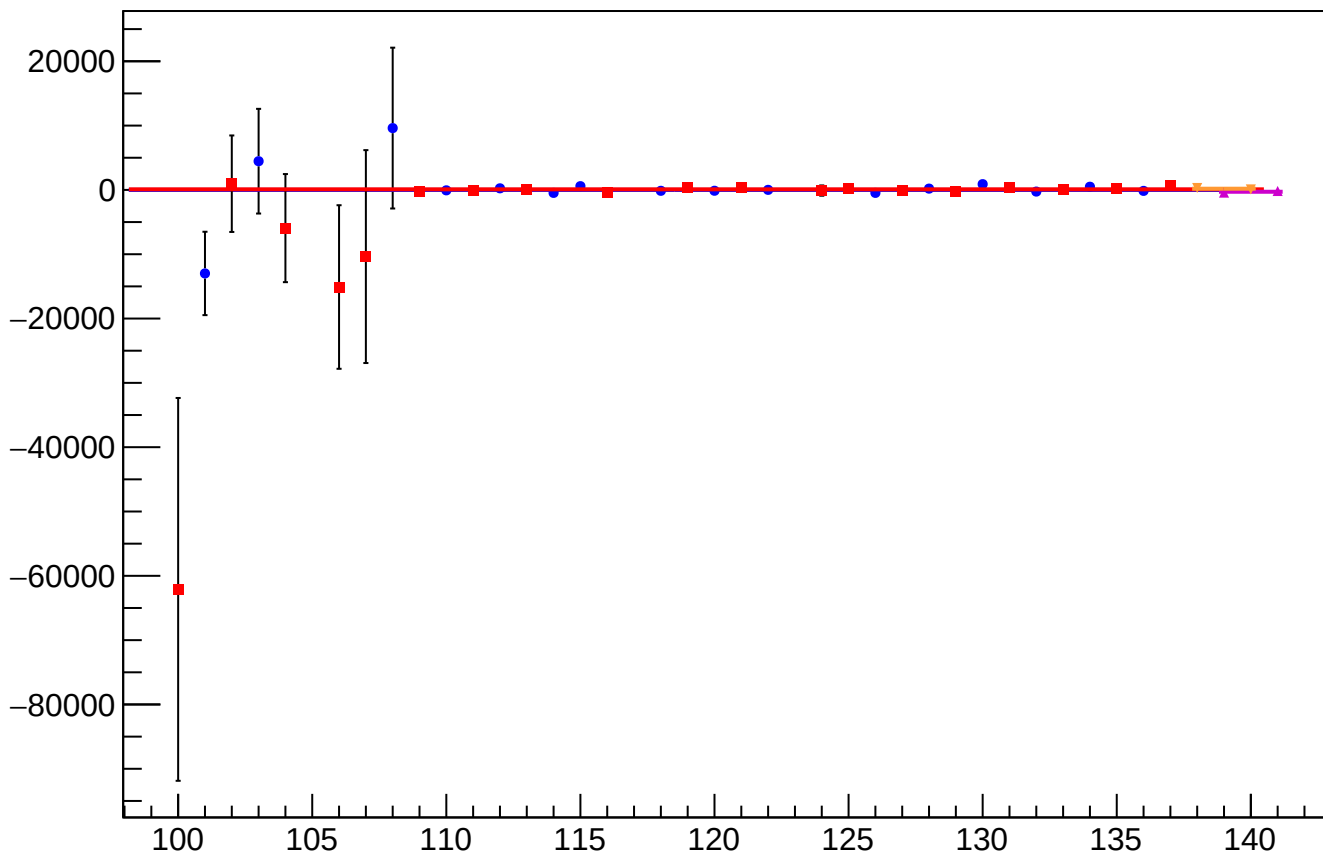
Left In: 344.630+/-0.187 χ^2/NDF : 39245.7/1

+ sign 2.498+/-0.002 χ^2/NDF : 14773407.5/17

All: 2.490+/-0.001 χ^2/NDF : 29706521.0/38

- sign 2.482+/-0.001 χ^2/NDF : 14933054.0/20

asym_cav4cQ_mean vs Slug



Right In: 0.575 $\pm$ 87.823 χ^2/NDF : 16.8/15

Left Out: 185.977 $\pm$ 173.046 χ^2/NDF : 0.4/1

Right Out: 88.089 $\pm$ 81.605 χ^2/NDF : 14.9/18

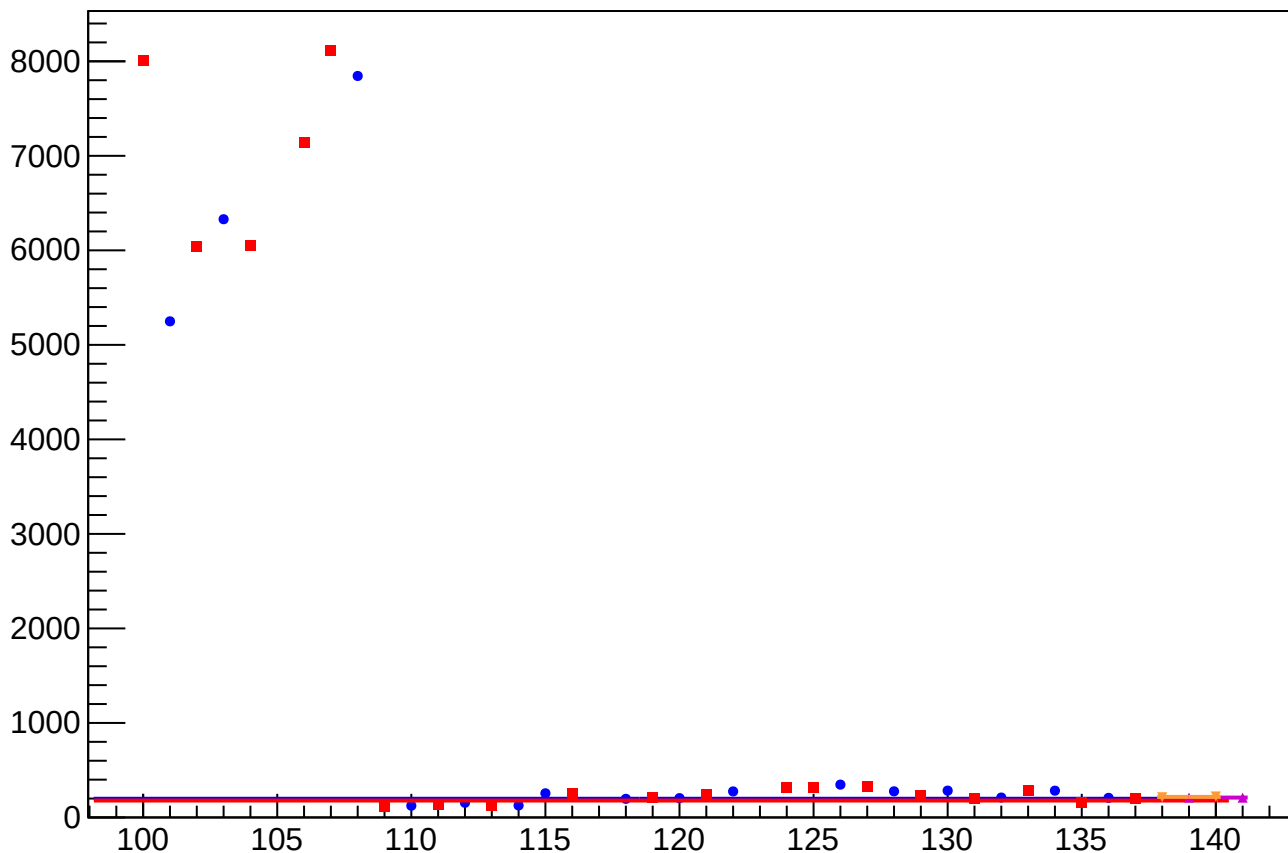
Left In: -287.774 $\pm$ 161.539 χ^2/NDF : 0.6/1

+ sign 38.548 $\pm$ 78.314 χ^2/NDF : 18.2/17

All: 24.137 $\pm$ 53.335 χ^2/NDF : 38.0/38

- sign 11.671 $\pm$ 72.838 χ^2/NDF : 19.8/20

asym_cav4cQ_rms vs Slug



Right In: 197.620 $\pm$ 0.062 χ^2 /NDF: 3957192.6/15

Left Out: 217.429 $\pm$ 0.122 χ^2 /NDF:1235.6/1

Right Out: 179.250 $\pm$ 0.058 χ^2 /NDF: 4418422.9/18

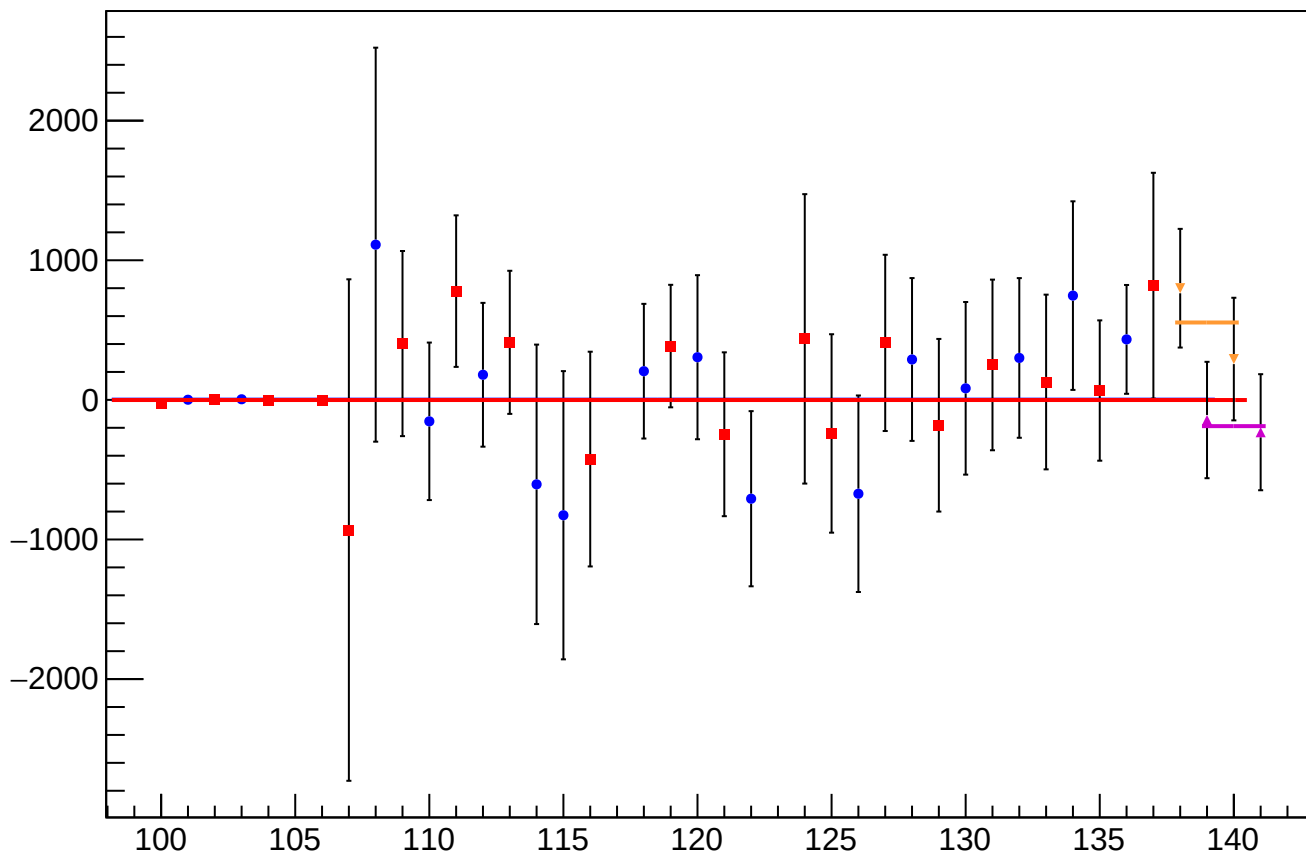
Left In: 210.104 $\pm$ 0.114 χ^2 /NDF:19.8/1

+ sign 201.677 $\pm$ 0.055 χ^2 /NDF: 3979268.9/17

All: 193.015 $\pm$ 0.038 χ^2 /NDF: 8501467.2/38

- sign 185.523 $\pm$ 0.052 χ^2 /NDF: 4476571.4/20

asym_cav4dQ_mean vs Slug



Right In: 1.456 ± 1.660 χ^2/NDF : 7.9/15

Left Out: 554.290 ± 305.399 χ^2/NDF : 0.7/1

Right Out: -1.094 ± 1.528 χ^2/NDF : 9.2/18

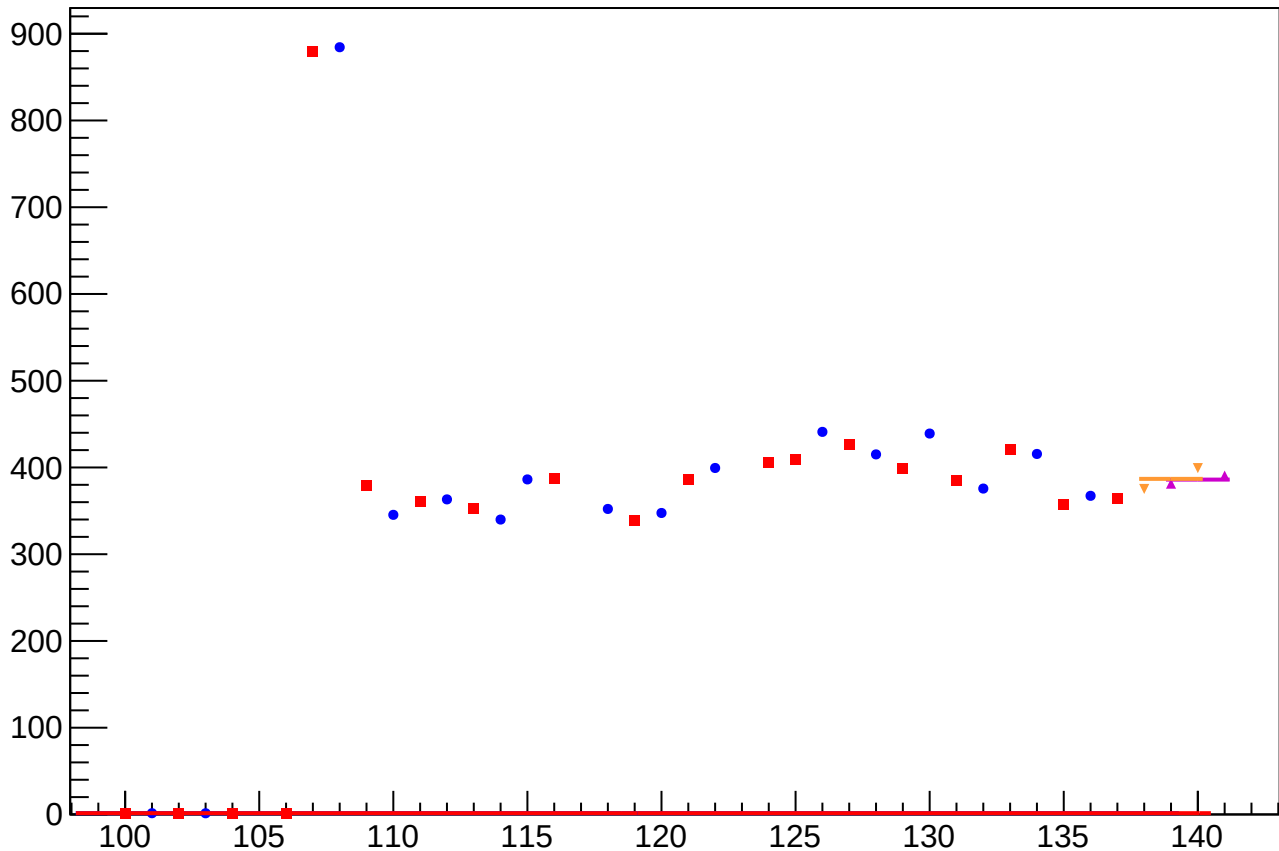
Left In: -188.116 ± 294.329 χ^2/NDF : 0.0/1

+ sign 1.472 ± 1.660 χ^2/NDF : 11.9/17

All: 0.080 ± 1.124 χ^2/NDF : 22.7/38

- sign -1.099 ± 1.528 χ^2/NDF : 9.6/20

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF : 11735334.0/15

Left Out: 386.853+/-0.216 χ^2/NDF :3092.0/1

Right Out: 1.467+/-0.001 χ^2/NDF : 11270430.6/18

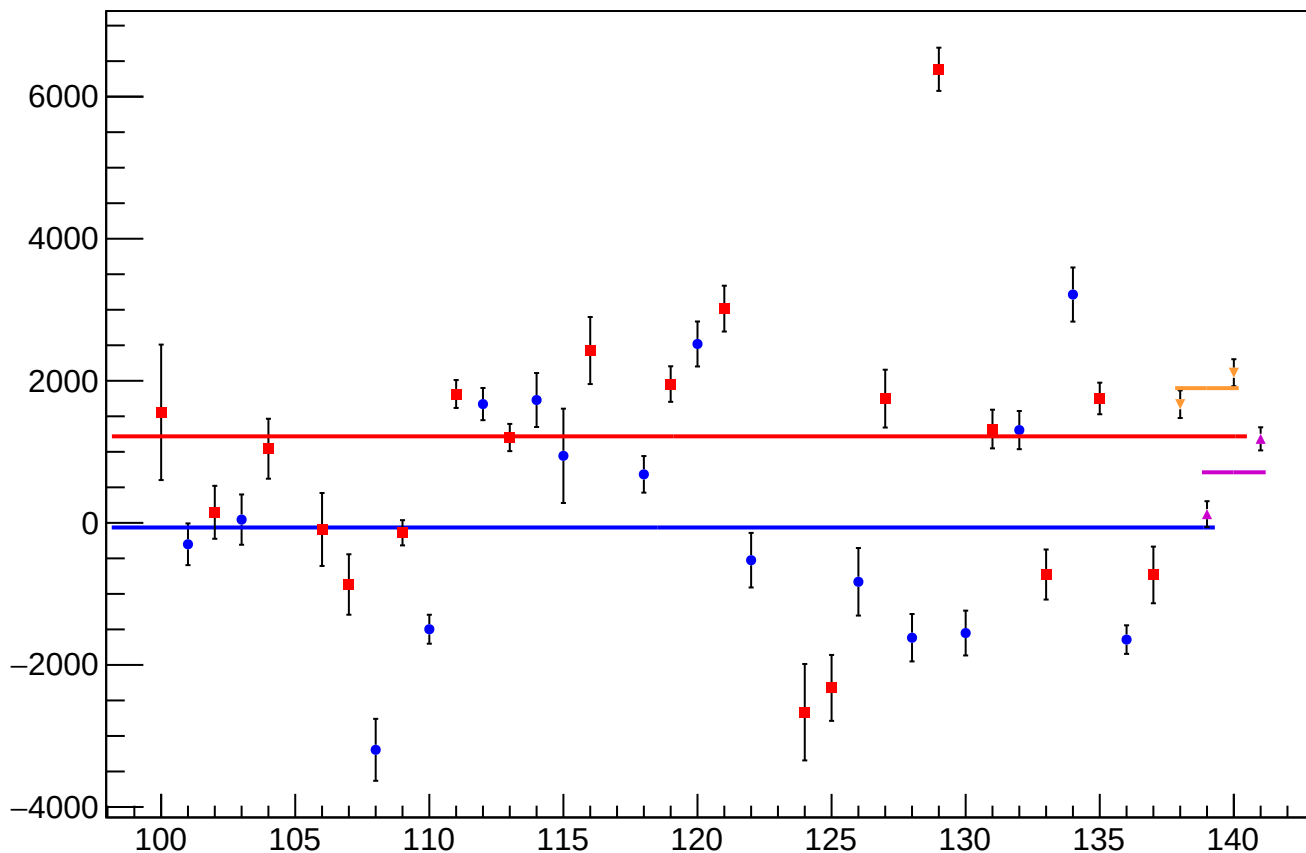
Left In: 386.012+/-0.208 χ^2/NDF :497.5/1

+ sign 1.482+/-0.001 χ^2/NDF : 14923119.2/17

All: 1.479+/-0.001 χ^2/NDF : 29607928.6/38

- sign 1.477+/-0.001 χ^2/NDF : 14684803.0/20

asym_bcm0l02_mean vs Slug



Right In: -64.993 ± 74.895 χ^2/NDF : 469.5/15

Left Out: 1896.611 ± 136.139 χ^2/NDF : 2.6/1

Right Out: 1217.846 ± 69.022 χ^2/NDF : 594.6/18

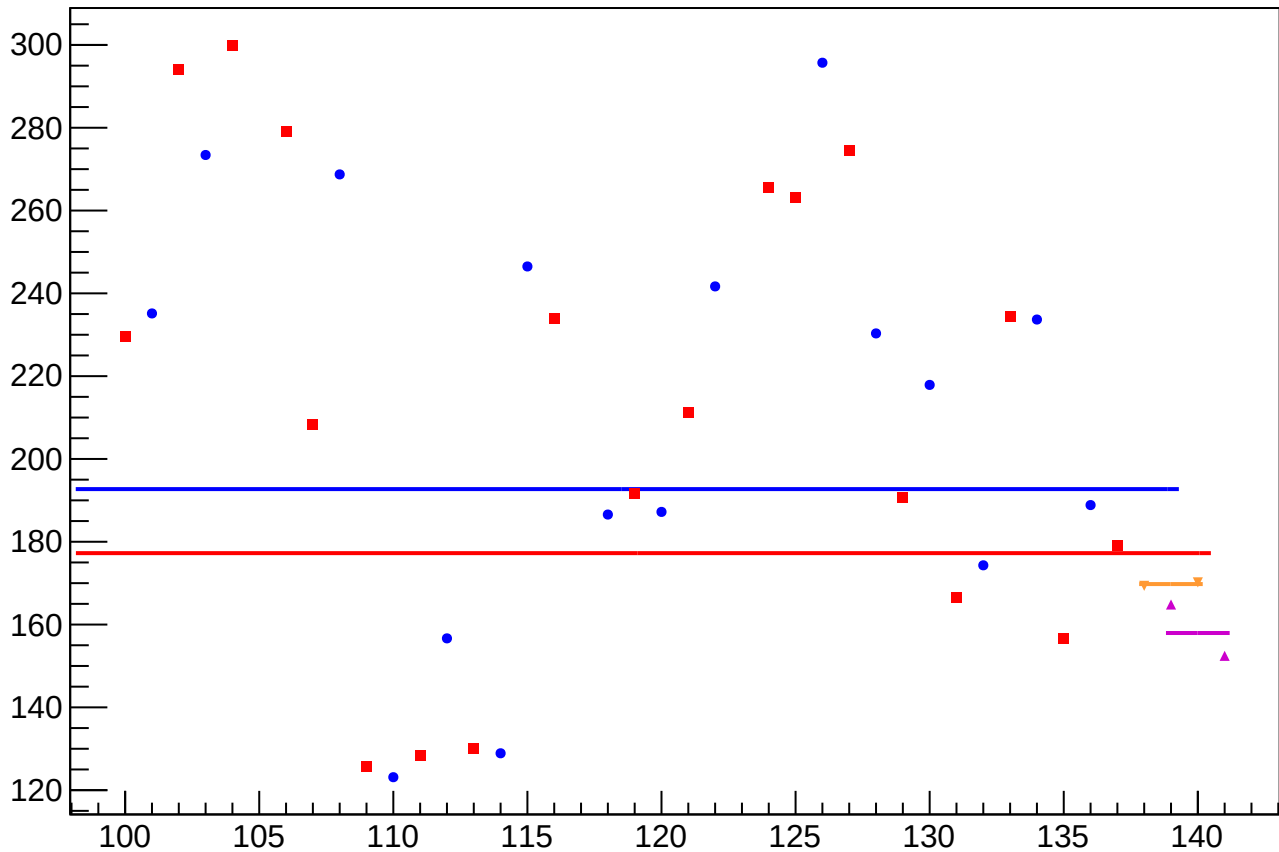
Left In: 711.679 ± 121.339 χ^2/NDF : 18.8/1

+ sign 390.755 ± 65.620 χ^2/NDF : 631.5/17

All: 773.864 ± 44.278 χ^2/NDF : 1320.7/38

- sign 1094.103 ± 59.995 χ^2/NDF : 626.6/20

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

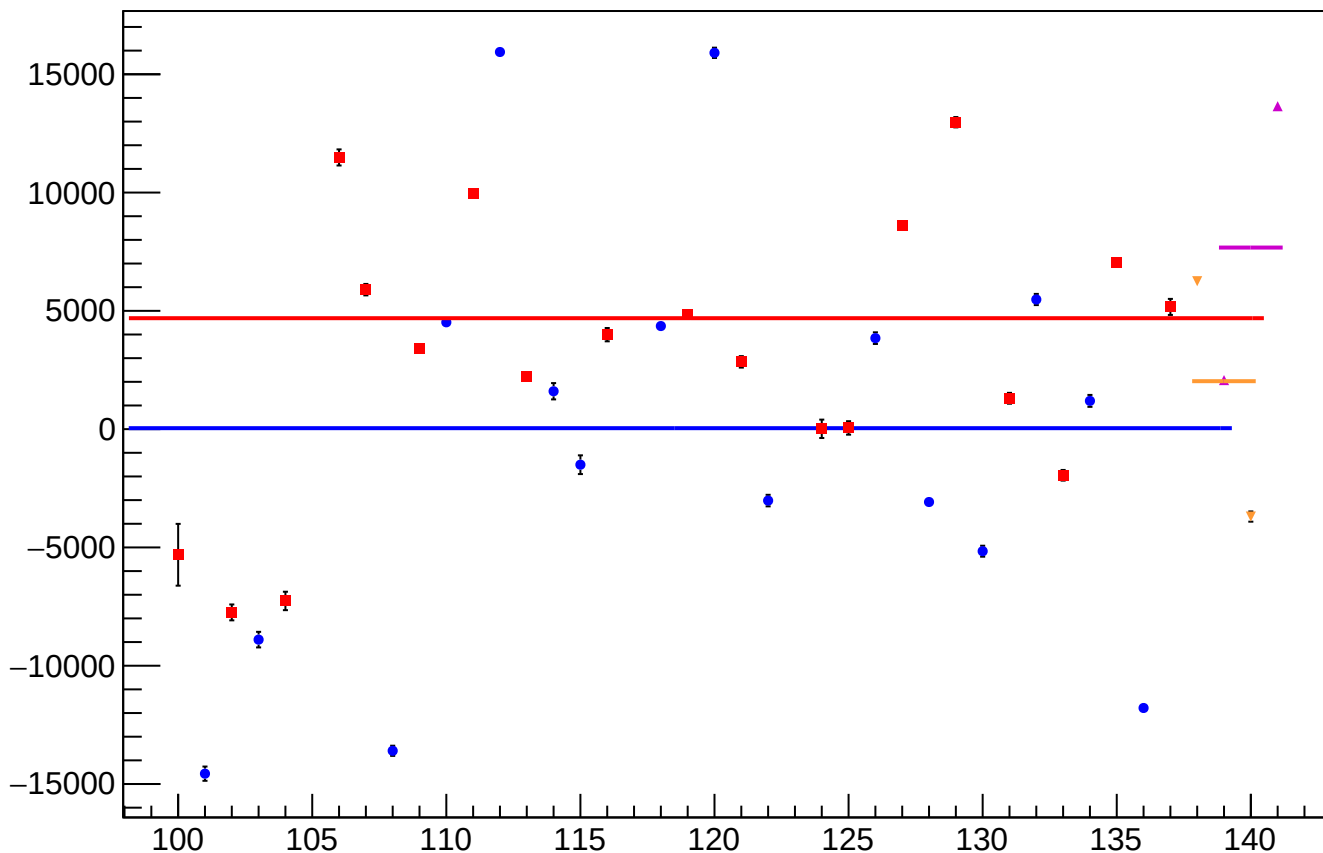
Left In: 157.960 $\pm$ 0.086 χ^2 /NDF:5155.3/1

+ sign 187.390 $\pm$ 0.046 χ^2 /NDF: 802753.1/17

All: 179.299 $\pm$ 0.031 χ^2 /NDF: 2128106.5/38

- sign 172.535 $\pm$ 0.042 χ^2 /NDF: 1269529.0/20

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF : 1215.1/1

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

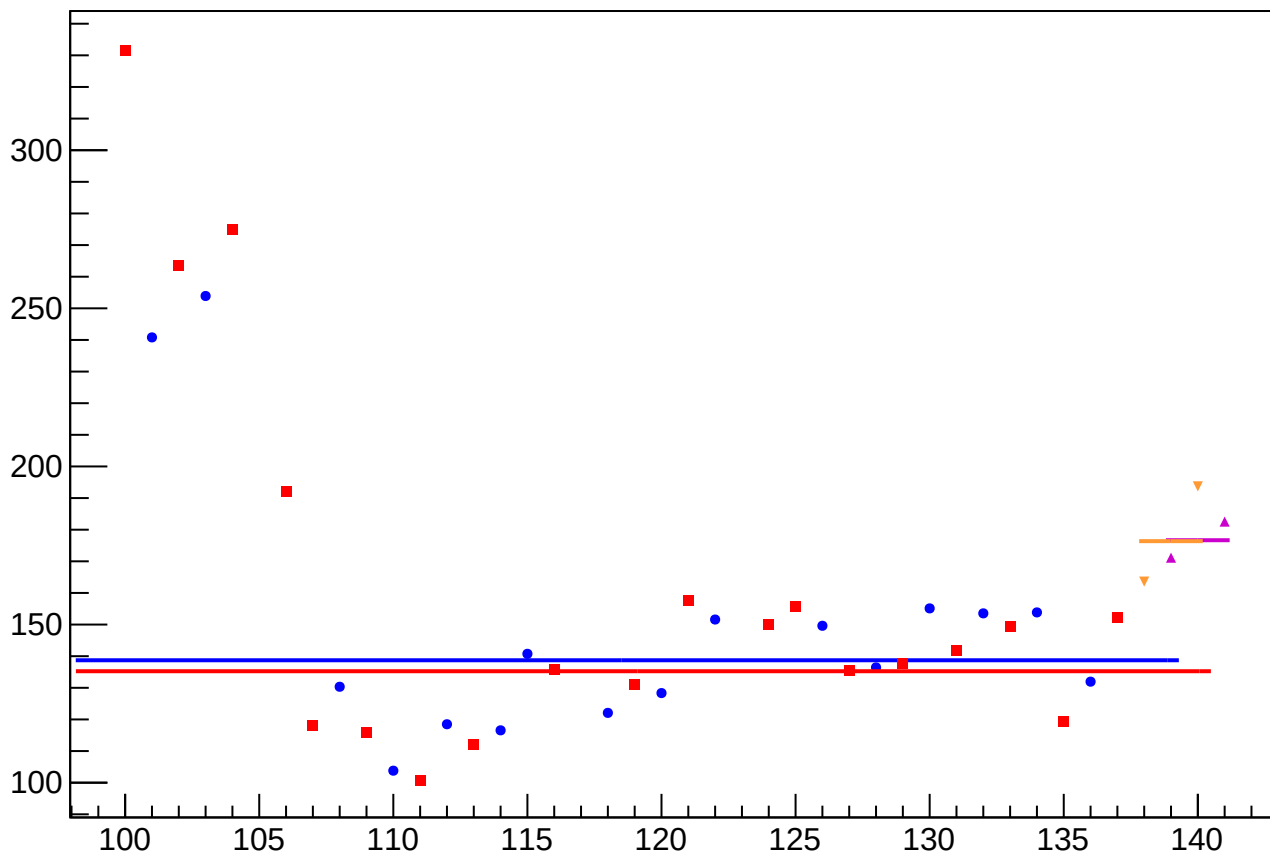
Left In: 7675.269+/-135.766 χ^2/NDF : 1815.7/1

+ sign 296.458+/-50.592 χ^2/NDF : 32174.2/17

All: 2778.728+/-35.063 χ^2/NDF : 46839.2/38

- sign 5072.874+/-48.637 χ^2/NDF : 10032.9/20

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

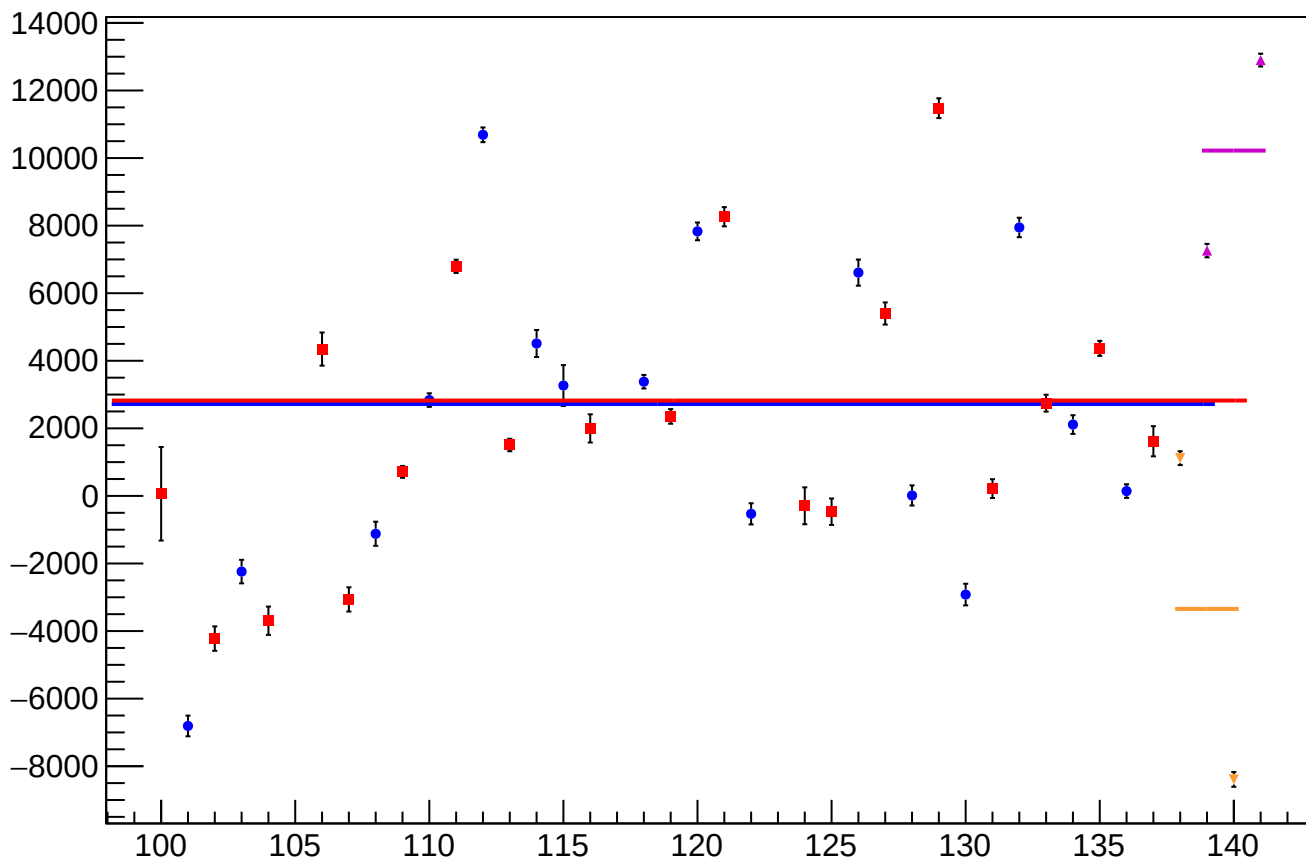
Left In: 176.672 $\pm$ 0.096 χ^2 /NDF:3527.2/1

+ sign 143.558 $\pm$ 0.036 χ^2 /NDF: 804332.6/17

All: 142.001 $\pm$ 0.025 χ^2 /NDF: 1863845.4/38

- sign 140.562 $\pm$ 0.034 χ^2 /NDF: 1055868.3/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896 $\pm$ 69.247 χ^2 /NDF: 4129.3/15

Left Out: -3344.405 $\pm$ 149.642 χ^2 /NDF:1005.7/1

Right Out: 2823.679 $\pm$ 64.850 χ^2 /NDF: 3062.8/18

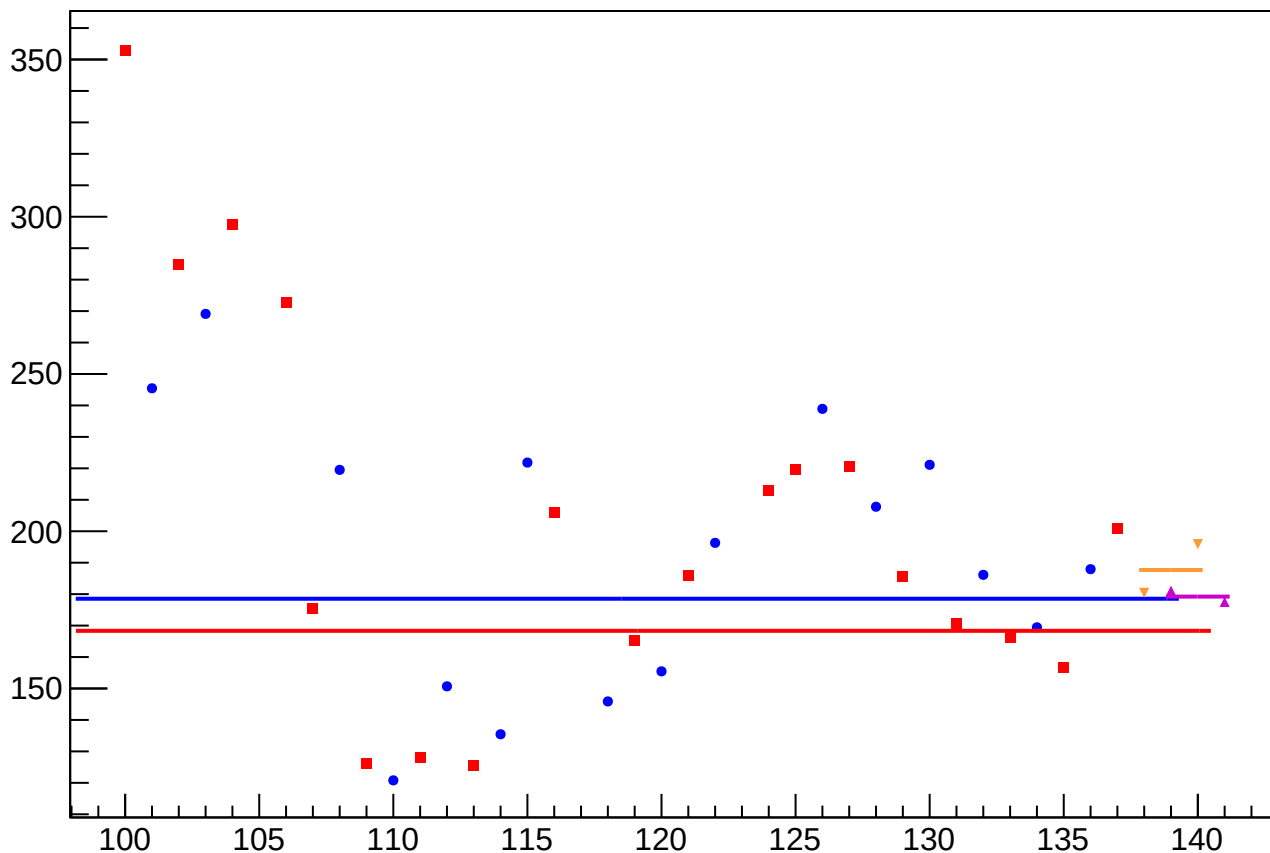
Left In: 10221.655 $\pm$ 137.394 χ^2 /NDF:420.1/1

+ sign 1650.336 $\pm$ 62.844 χ^2 /NDF: 6487.6/17

All: 2997.975 $\pm$ 42.876 χ^2 /NDF: 13201.8/38

- sign 4171.552 $\pm$ 58.646 χ^2 /NDF: 5853.9/20

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF : 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF : 5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF : 979485.9/18

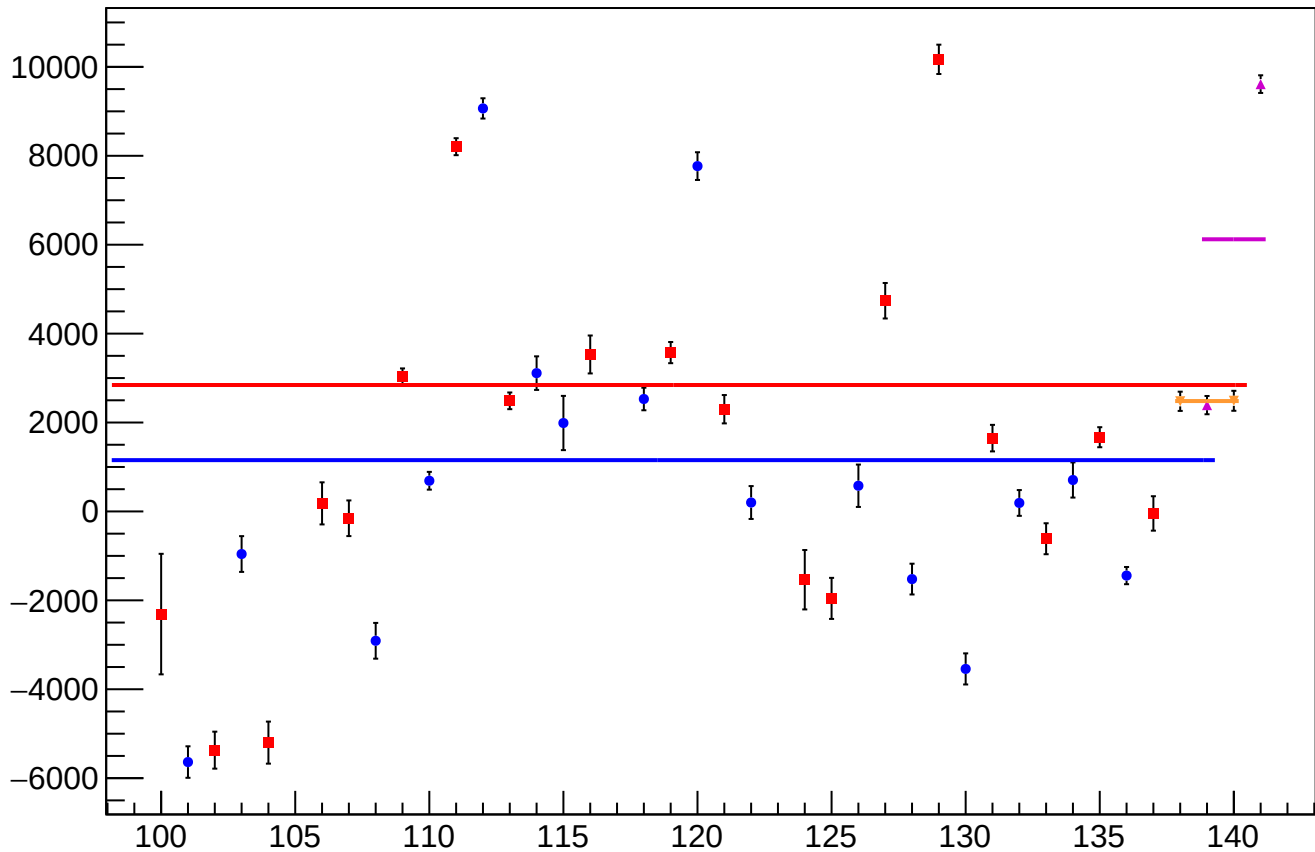
Left In: 179.221+/-0.097 χ^2/NDF : 336.9/1

+ sign 180.154+/-0.044 χ^2/NDF : 686046.2/17

All: 174.896+/-0.030 χ^2/NDF : 1702323.1/38

- sign 170.318+/-0.041 χ^2/NDF : 990090.5/20

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF : 0.0/1

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

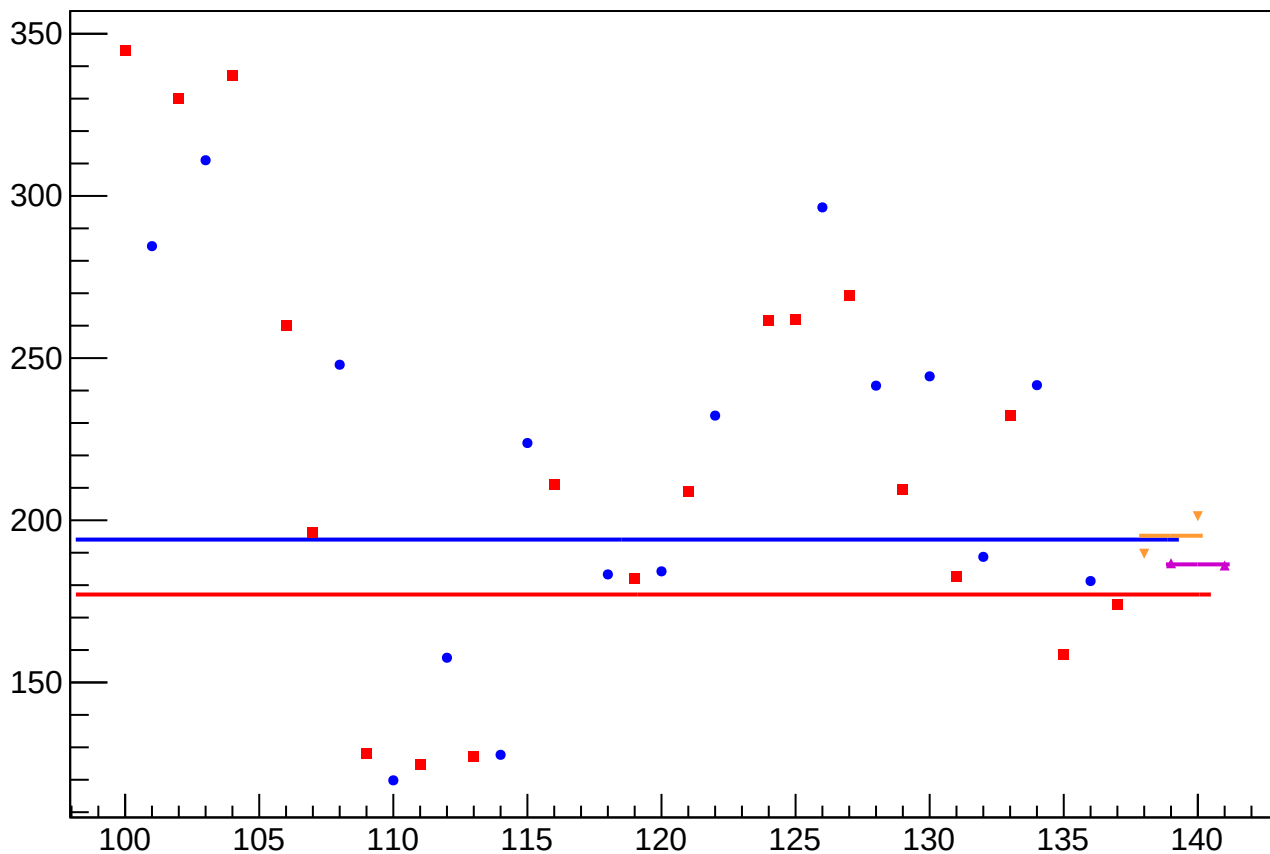
Left In: 6121.840+/-142.841 χ^2/NDF : 638.2/1

+ sign 1409.069+/-68.274 χ^2/NDF : 2714.1/17

All: 2532.613+/-45.993 χ^2/NDF : 6727.9/38

- sign 3466.094+/-62.232 χ^2/NDF : 3518.0/20

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF : 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF : 2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF : 1359345.8/18

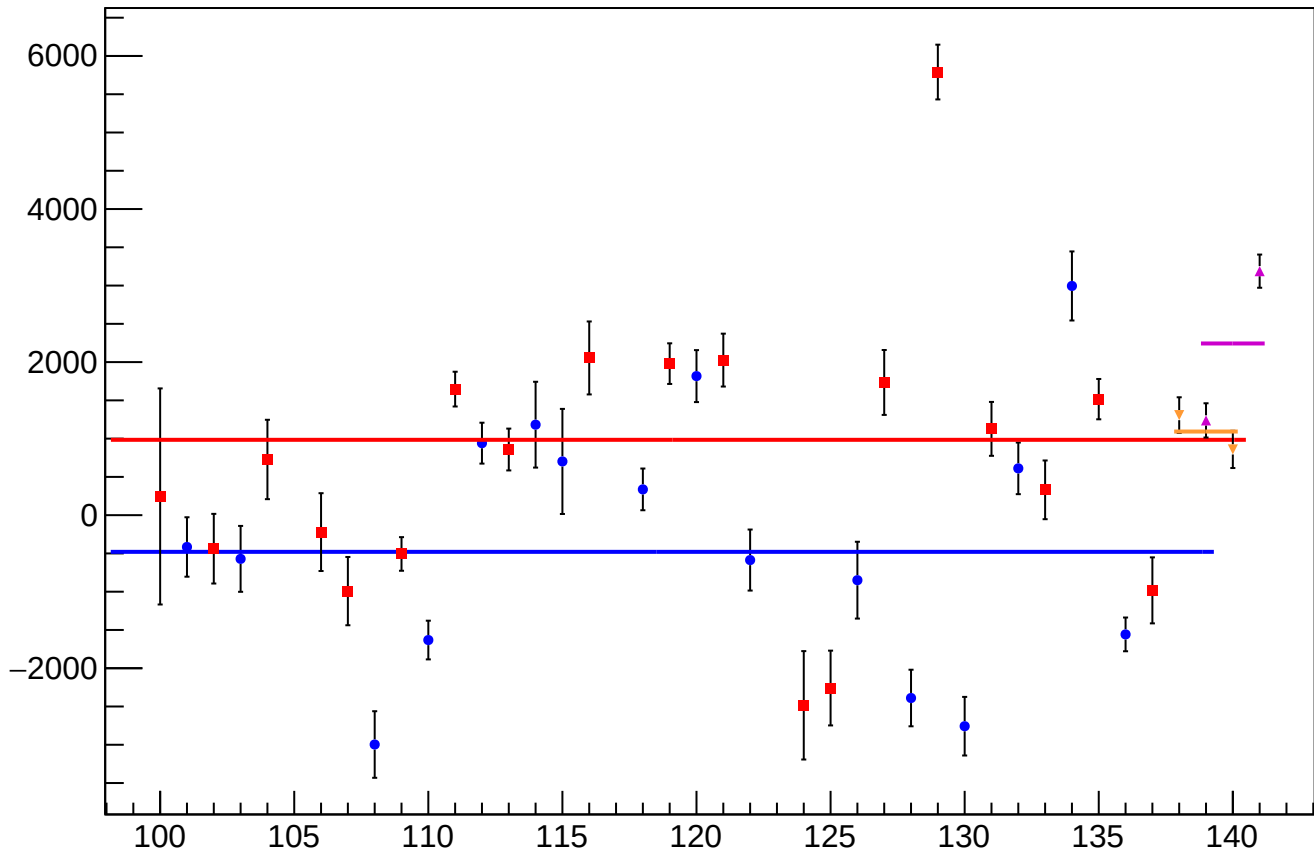
Left In: 186.407+/-0.101 χ^2/NDF : 11.7/1

+ sign 194.281+/-0.048 χ^2/NDF : 968633.2/17

All: 185.868+/-0.033 χ^2/NDF : 2390444.0/38

- sign 178.879+/-0.044 χ^2/NDF : 1366214.5/20

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 1092.736 ± 168.291 χ^2/NDF : 1.8/1

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

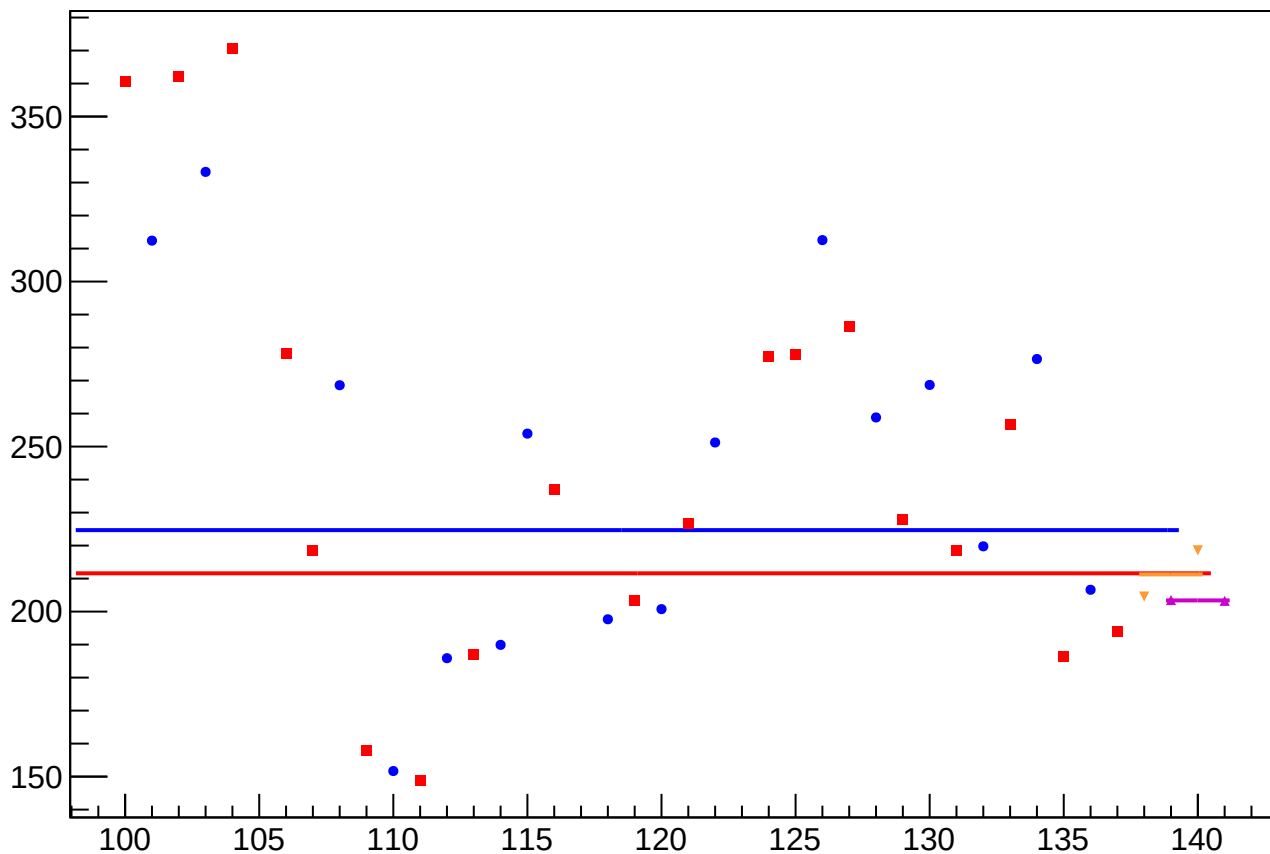
Left In: 2243.328 ± 155.681 χ^2/NDF : 39.2/1

+ sign -149.670 ± 77.063 χ^2/NDF : 376.2/17

All: 600.692 ± 52.539 χ^2/NDF : 1042.1/38

- sign 1252.390 ± 71.818 χ^2/NDF : 488.8/20

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

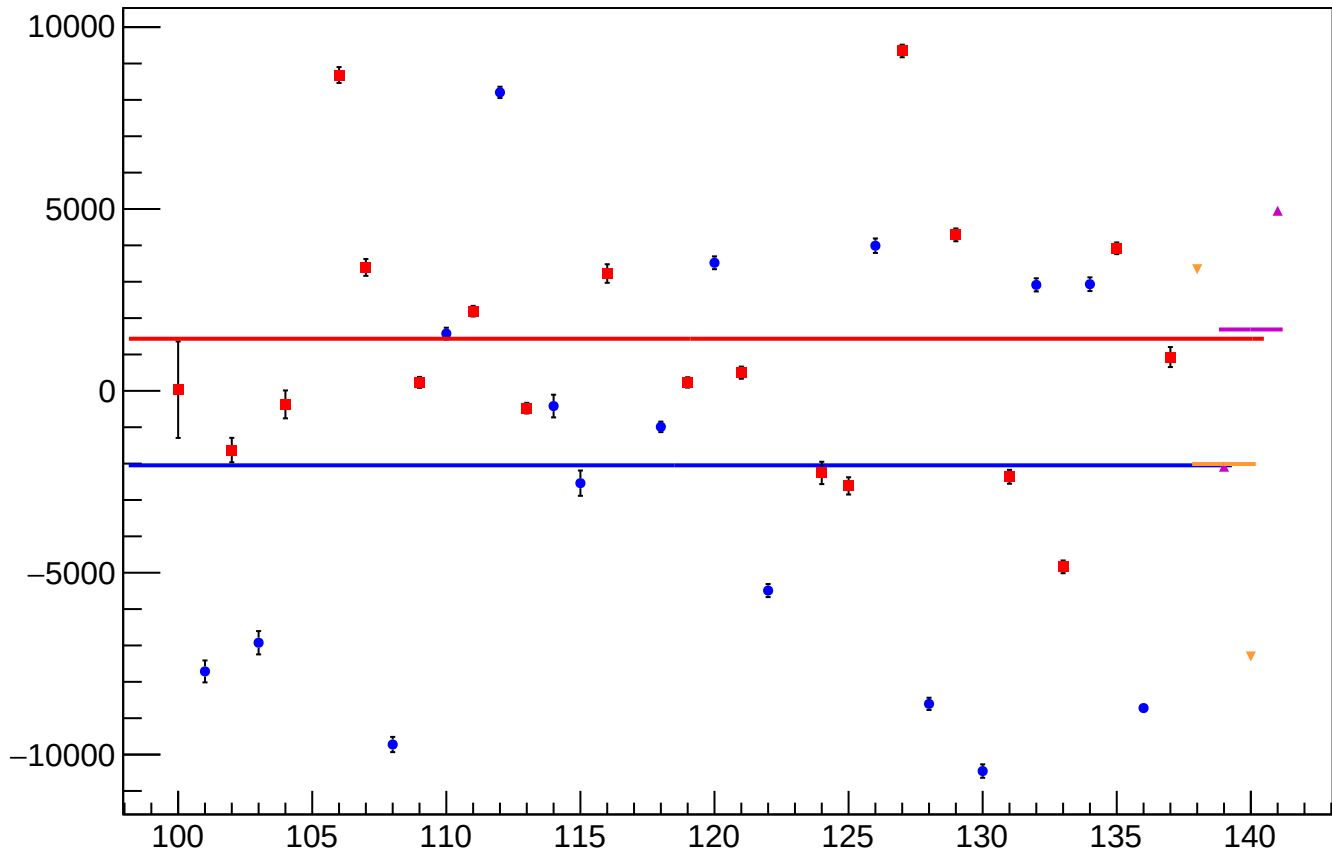
Left In: 203.386 $\pm$ 0.110 χ^2 /NDF:1.4/1

+ sign 221.869 $\pm$ 0.054 χ^2 /NDF: 666692.6/17

All: 215.436 $\pm$ 0.037 χ^2 /NDF: 1630020.1/38

- sign 209.848 $\pm$ 0.051 χ^2 /NDF: 937281.7/20

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 $\chi^2/\text{NDF}: 6387.8/18$

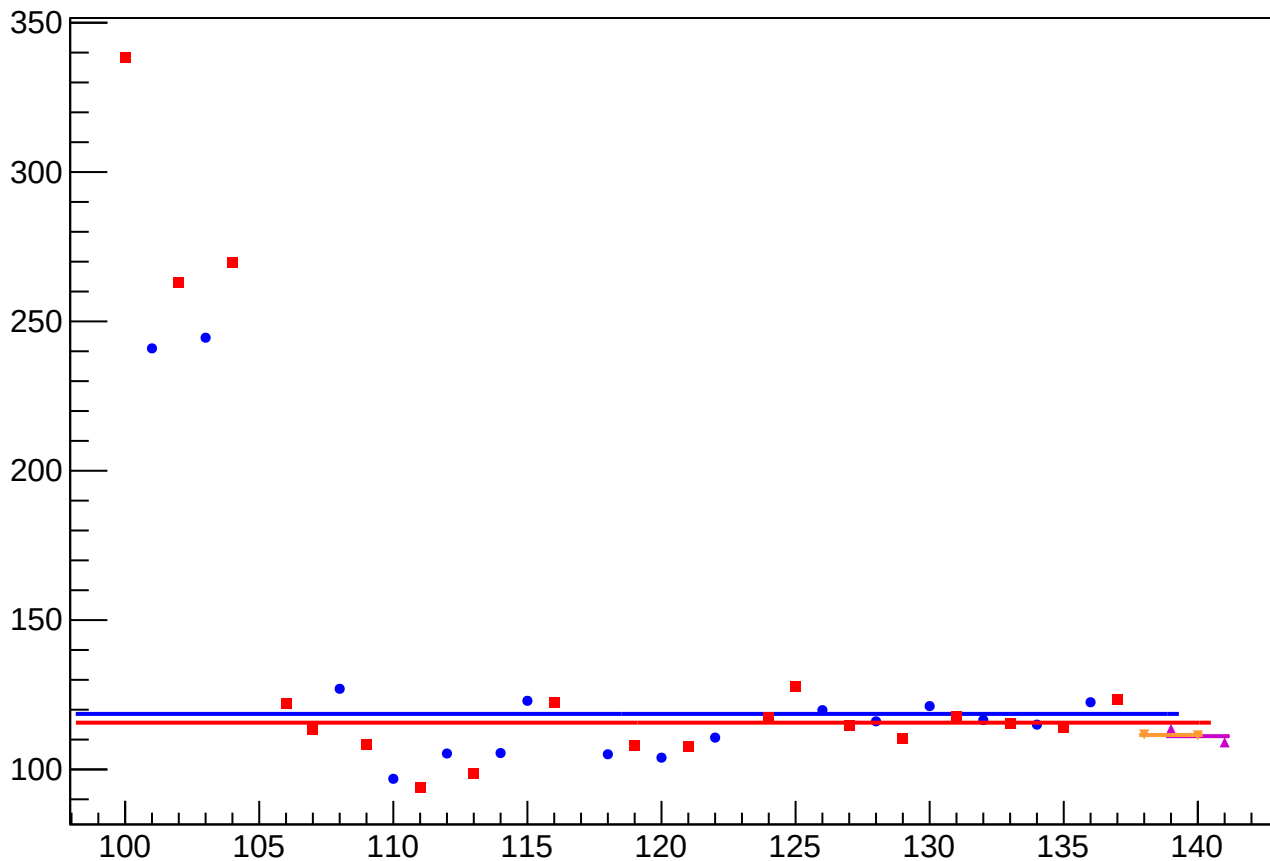
Left In: 1687.601 ± 86.208 $\chi^2/\text{NDF}: 1657.2/1$

+ sign -2039.646 ± 41.459 $\chi^2/\text{NDF}: 20214.2/17$

All: -200.110 ± 28.675 $\chi^2/\text{NDF}: 32040.3/38$

- sign 1486.931 ± 39.703 $\chi^2/\text{NDF}: 8051.8/20$

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

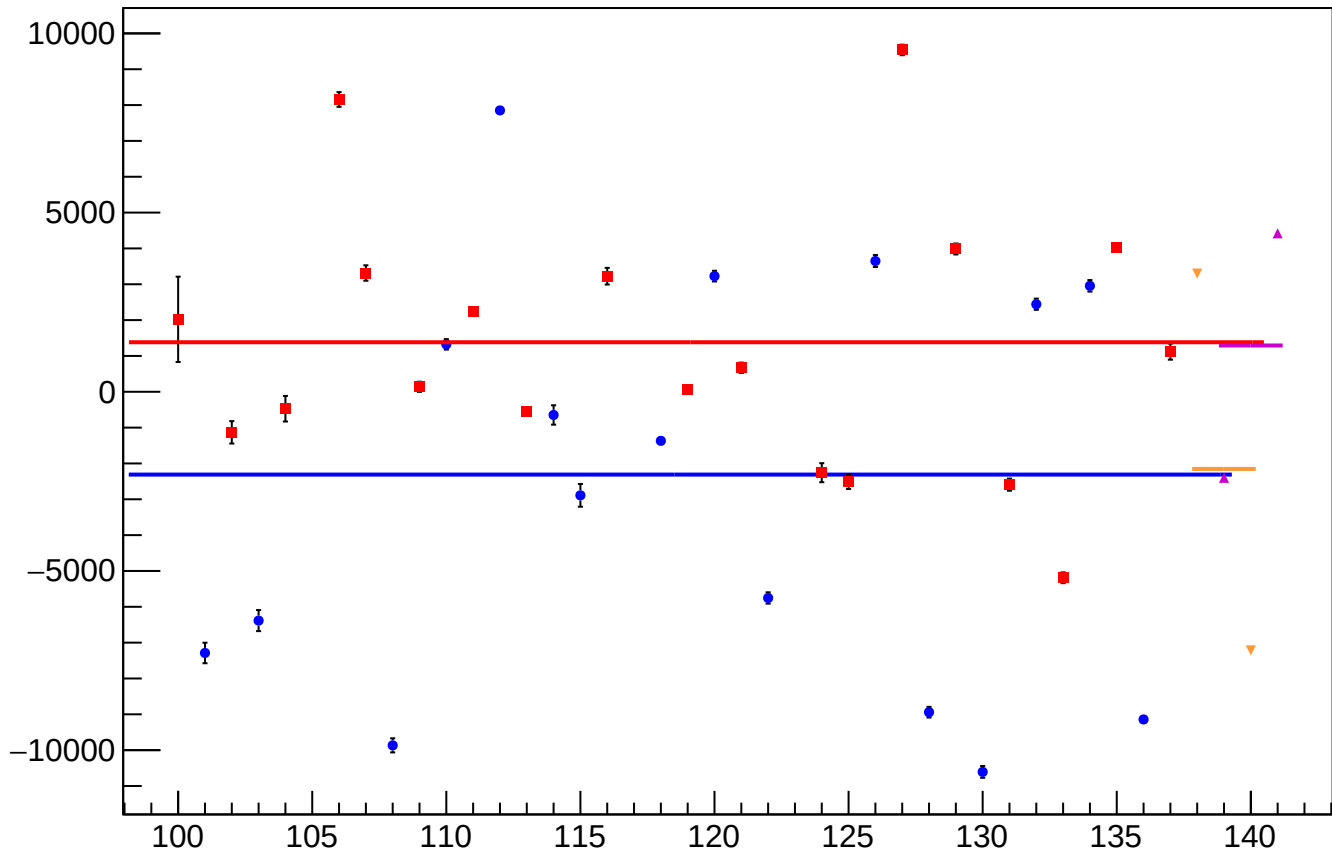
Left In: 111.146 $\pm$ 0.061 χ^2 /NDF: 1344.8/1

+ sign 117.095 $\pm$ 0.029 χ^2 /NDF: 743871.1/17

All: 115.847 $\pm$ 0.020 χ^2 /NDF: 1617217.7/38

- sign 114.702 $\pm$ 0.028 χ^2 /NDF: 869871.3/20

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 $\chi^2/\text{NDF}: 8578.9/18$

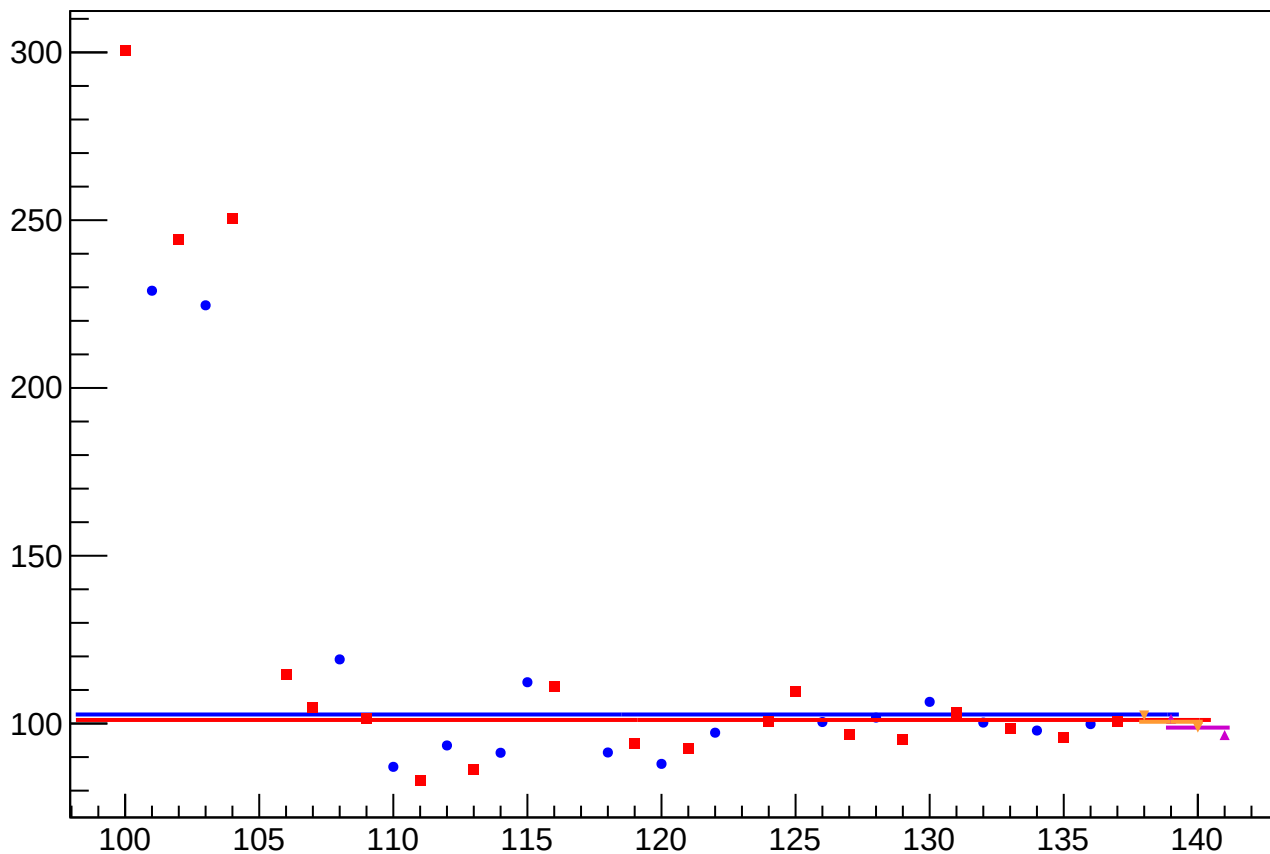
Left In: 1291.619 ± 76.749 $\chi^2/\text{NDF}: 1961.8/1$

+ sign -2278.776 ± 36.410 $\chi^2/\text{NDF}: 25867.8/17$

All: -386.359 ± 25.236 $\chi^2/\text{NDF}: 41608.7/38$

- sign 1363.334 ± 35.010 $\chi^2/\text{NDF}: 10541.7/20$

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

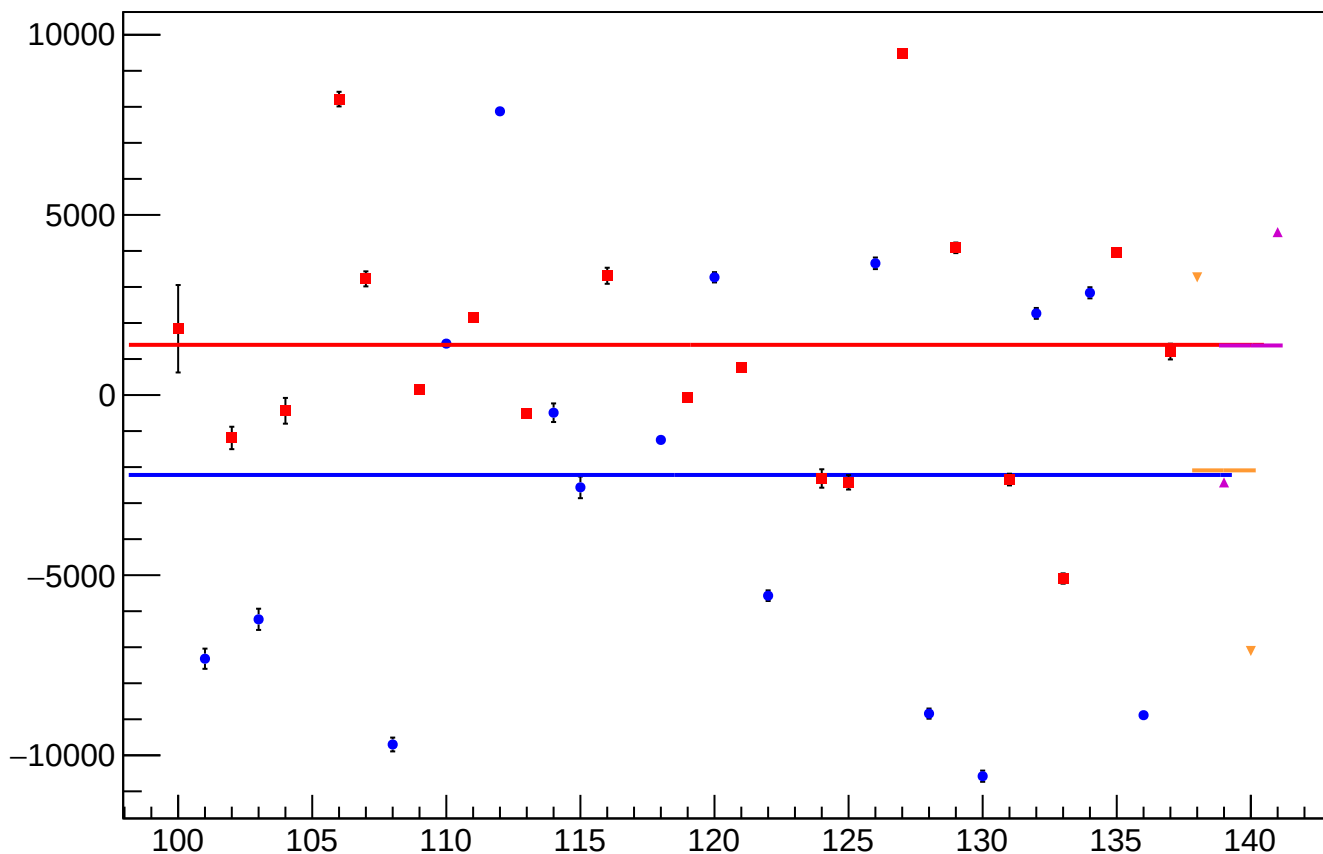
Left In: 98.784+/-0.054 χ^2/NDF : 1957.3/1

+ sign 102.258+/-0.026 χ^2/NDF : 827925.8/17

All: 101.391+/-0.018 χ^2/NDF : 1763920.7/38

- sign 100.589+/-0.025 χ^2/NDF : 933812.3/20

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 $\chi^2/\text{NDF}: 9152.1/18$

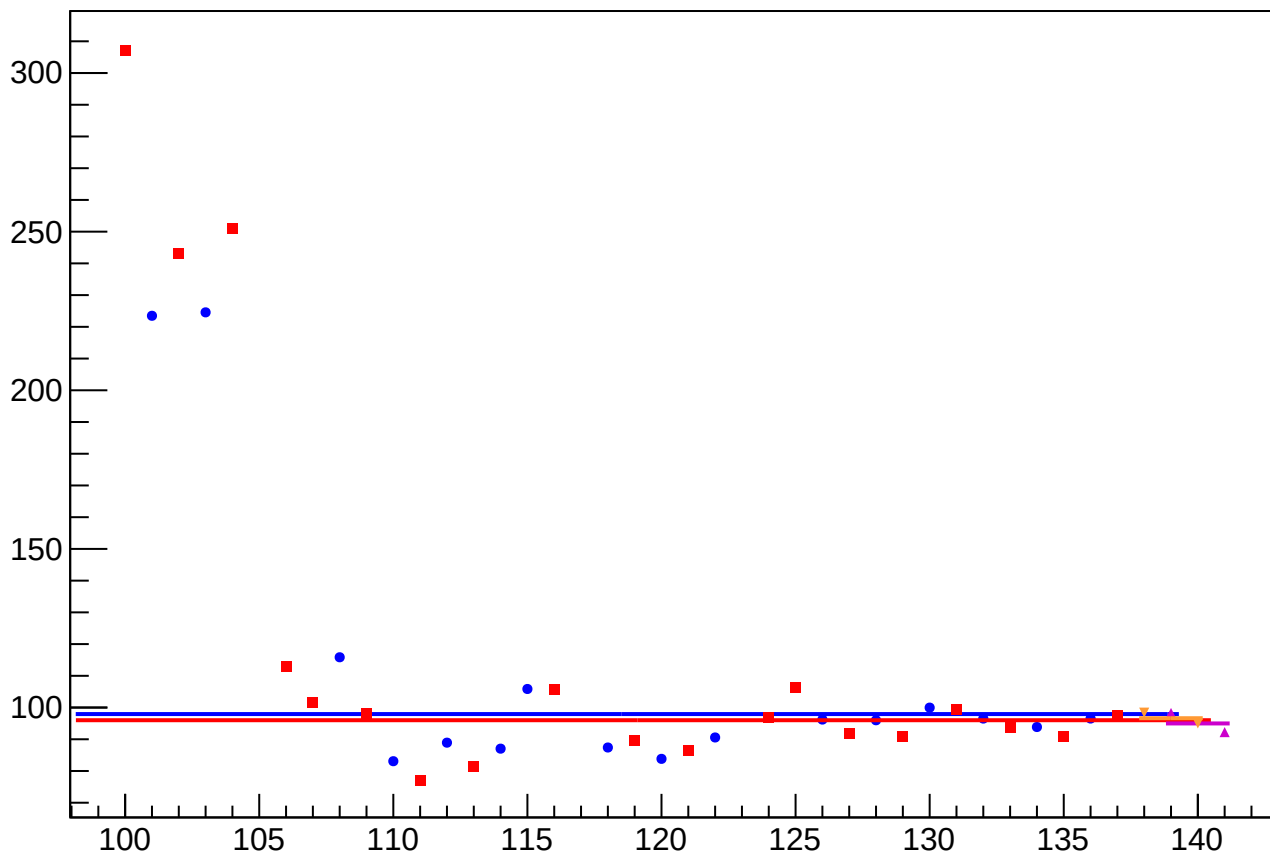
Left In: 1376.193 ± 74.026 $\chi^2/\text{NDF}: 2182.5/1$

+ sign -2192.682 ± 34.936 $\chi^2/\text{NDF}: 27425.1/17$

All: -326.667 ± 24.183 $\chi^2/\text{NDF}: 44237.1/38$

- sign 1389.999 ± 33.509 $\chi^2/\text{NDF}: 11334.7/20$

asym_bpm2i02WS_rms vs Slug



Right In: 97.944 $\pm$ 0.028 χ^2 /NDF: 868148.4/15

Left Out: 96.635 $\pm$ 0.055 χ^2 /NDF:936.0/1

Right Out: 96.005 $\pm$ 0.027 χ^2 /NDF: 1012287.0/18

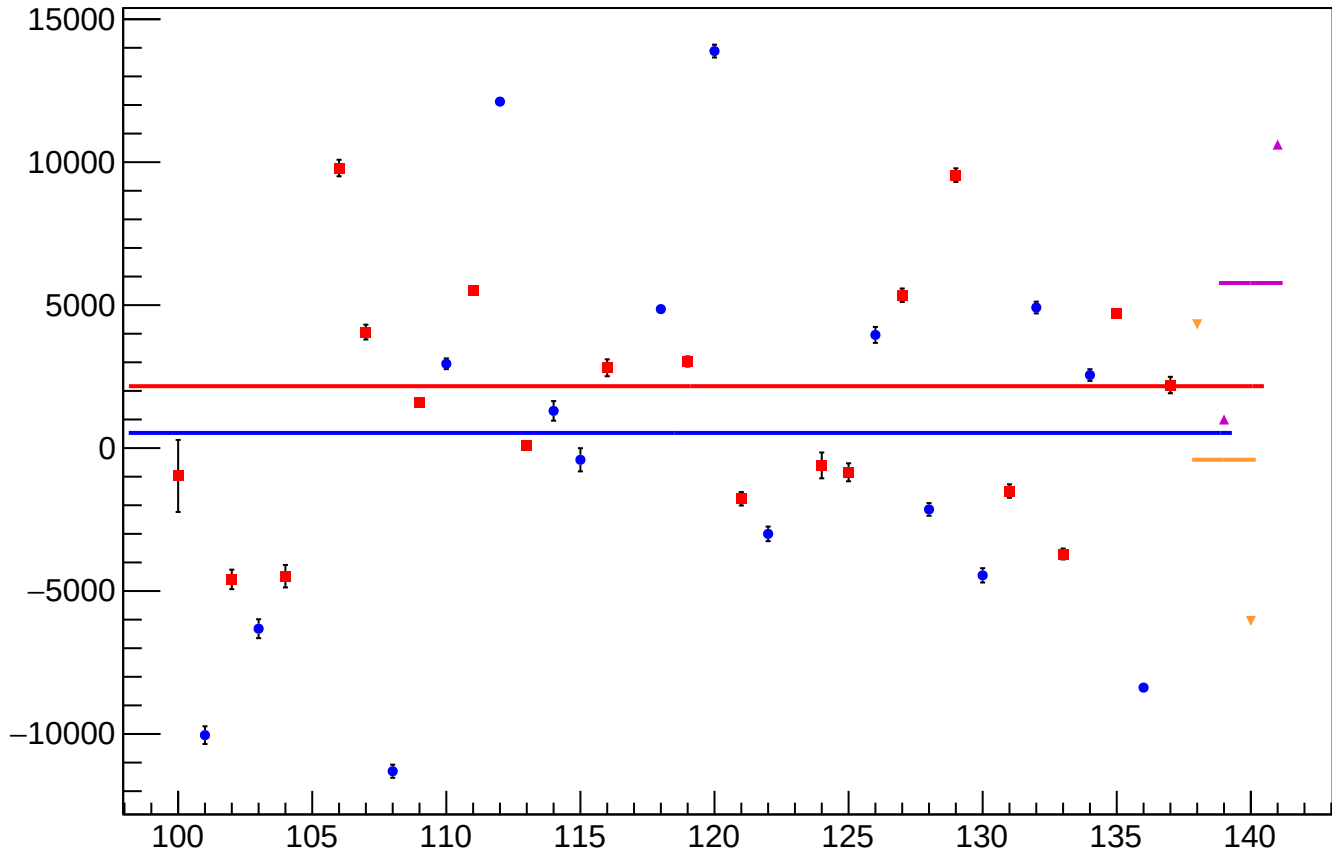
Left In: 94.987 $\pm$ 0.052 χ^2 /NDF:3286.7/1

+ sign 97.683 $\pm$ 0.025 χ^2 /NDF: 869531.9/17

All: 96.700 $\pm$ 0.017 χ^2 /NDF: 1888444.8/38

- sign 95.796 $\pm$ 0.024 χ^2 /NDF: 1015874.3/20

asym_bpm0i01WS_mean vs Slug



Right In: 530.568 $\pm$ 54.855 χ^2/NDF : 18587.6/15

Left Out: -406.990 $\pm$ 114.966 χ^2/NDF : 2020.9/1

Right Out: 2164.994 $\pm$ 53.458 χ^2/NDF : 4967.1/18

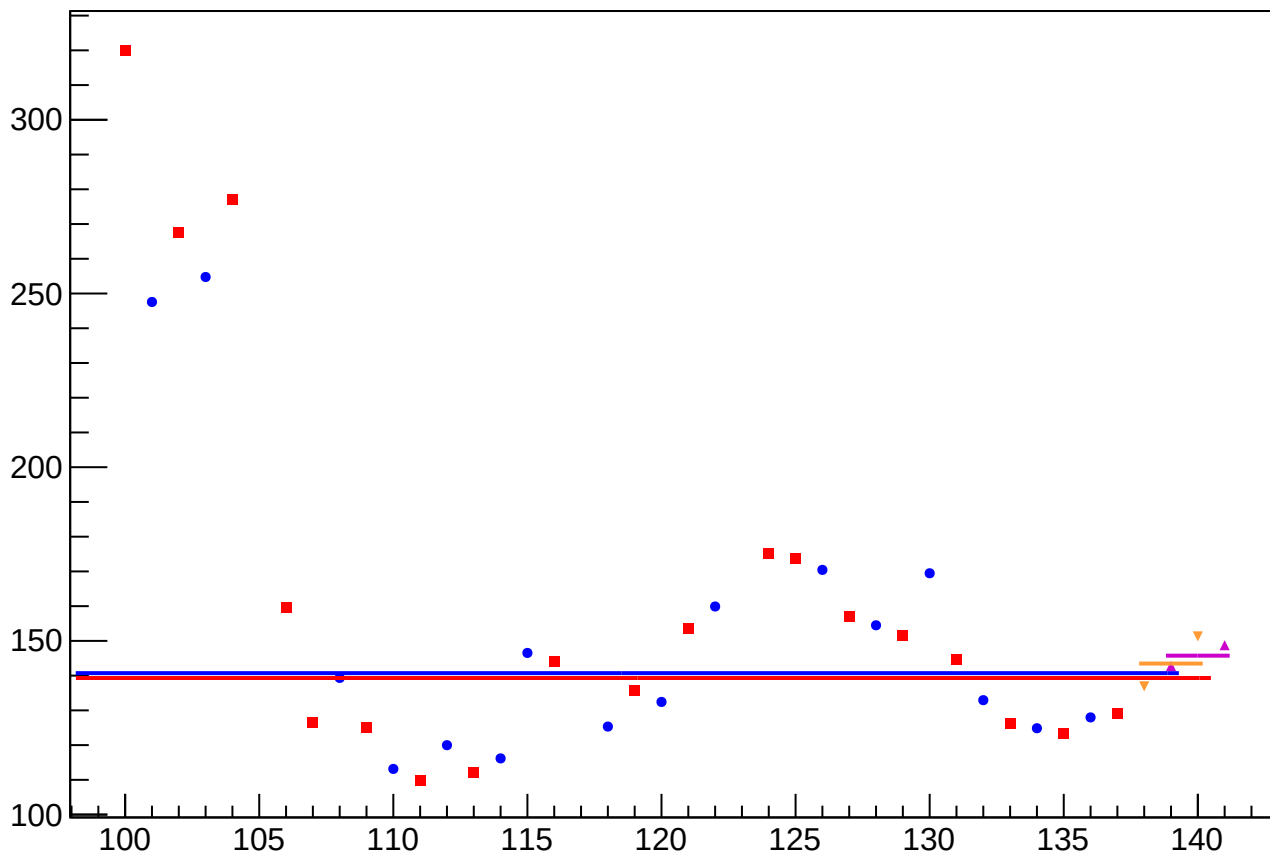
Left In: 5773.827 $\pm$ 112.308 χ^2/NDF : 1832.4/1

+ sign 356.704 $\pm$ 49.508 χ^2/NDF : 20662.6/17

All: 1625.519 $\pm$ 34.561 χ^2/NDF : 29585.2/38

- sign 2831.618 $\pm$ 48.269 χ^2/NDF : 7641.4/20

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF : 675618.7/15

Left Out: 143.478+/-0.081 χ^2/NDF : 7750.5/1

Right Out: 139.317+/-0.038 χ^2/NDF : 802317.0/18

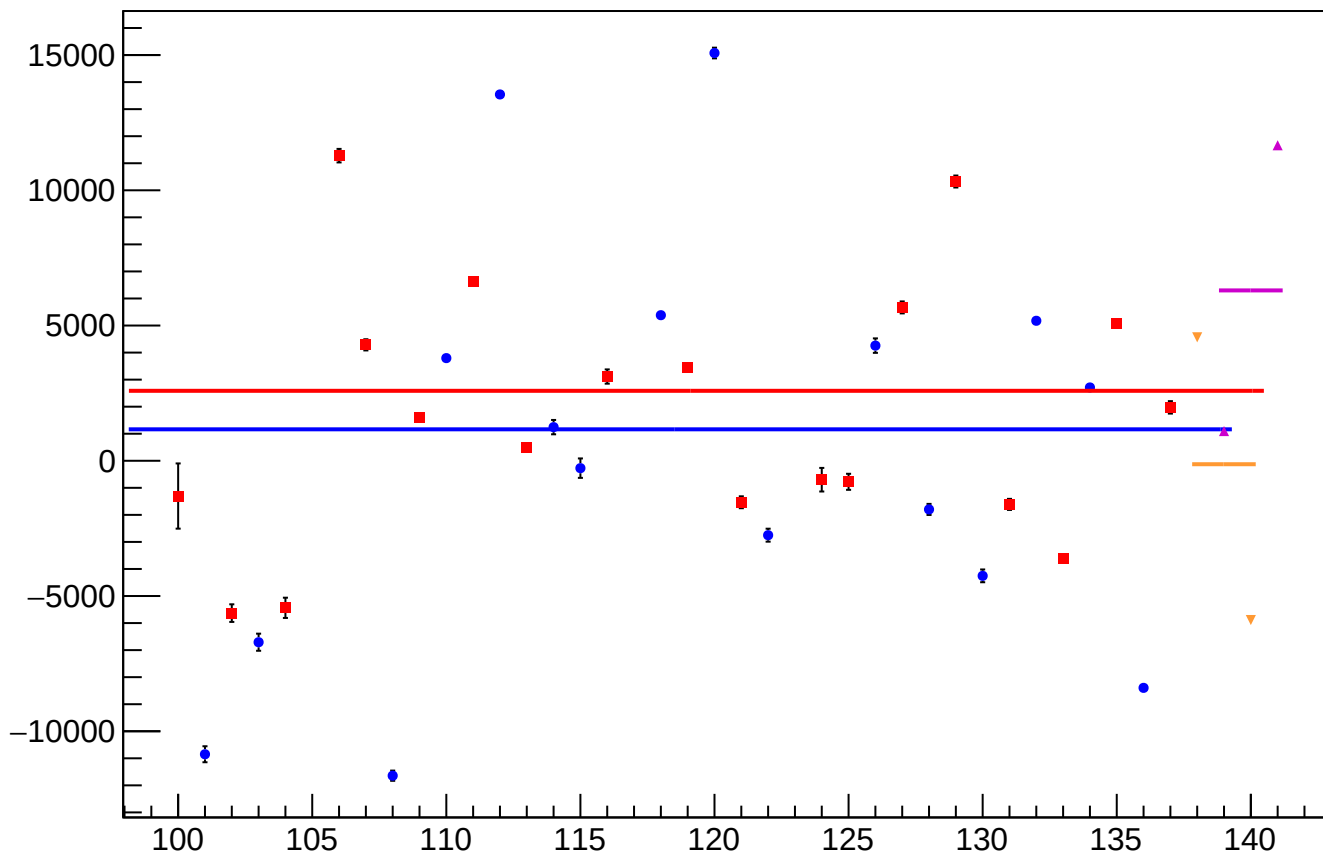
Left In: 145.749+/-0.079 χ^2/NDF : 1419.2/1

+ sign 141.228+/-0.035 χ^2/NDF : 684310.3/17

All: 140.857+/-0.024 χ^2/NDF : 1493613.6/38

- sign 140.505+/-0.034 χ^2/NDF : 809085.0/20

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF : 30754.3/15

Left Out: -127.487+/-99.804 χ^2/NDF : 2713.3/1

Right Out: 2586.755+/-44.256 χ^2/NDF : 8099.7/18

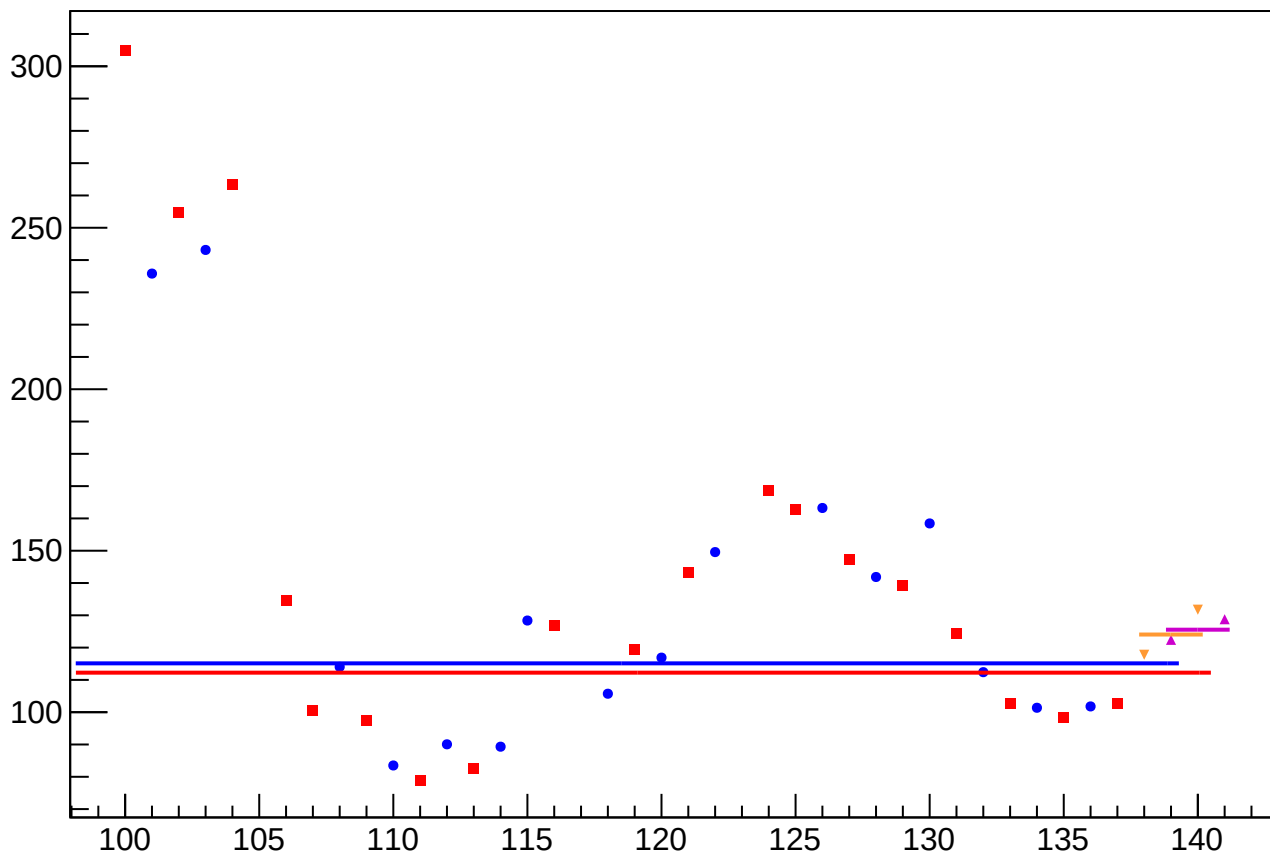
Left In: 6298.621+/-97.059 χ^2/NDF : 2961.9/1

+ sign 937.442+/-41.724 χ^2/NDF : 33605.6/17

All: 2122.172+/-28.975 χ^2/NDF : 47435.3/38

- sign 3225.659+/-40.268 χ^2/NDF : 12272.4/20

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF : 1112987.2/15

Left Out: 124.050+/-0.071 χ^2/NDF :9667.6/1

Right Out: 112.241+/-0.031 χ^2/NDF : 1328156.6/18

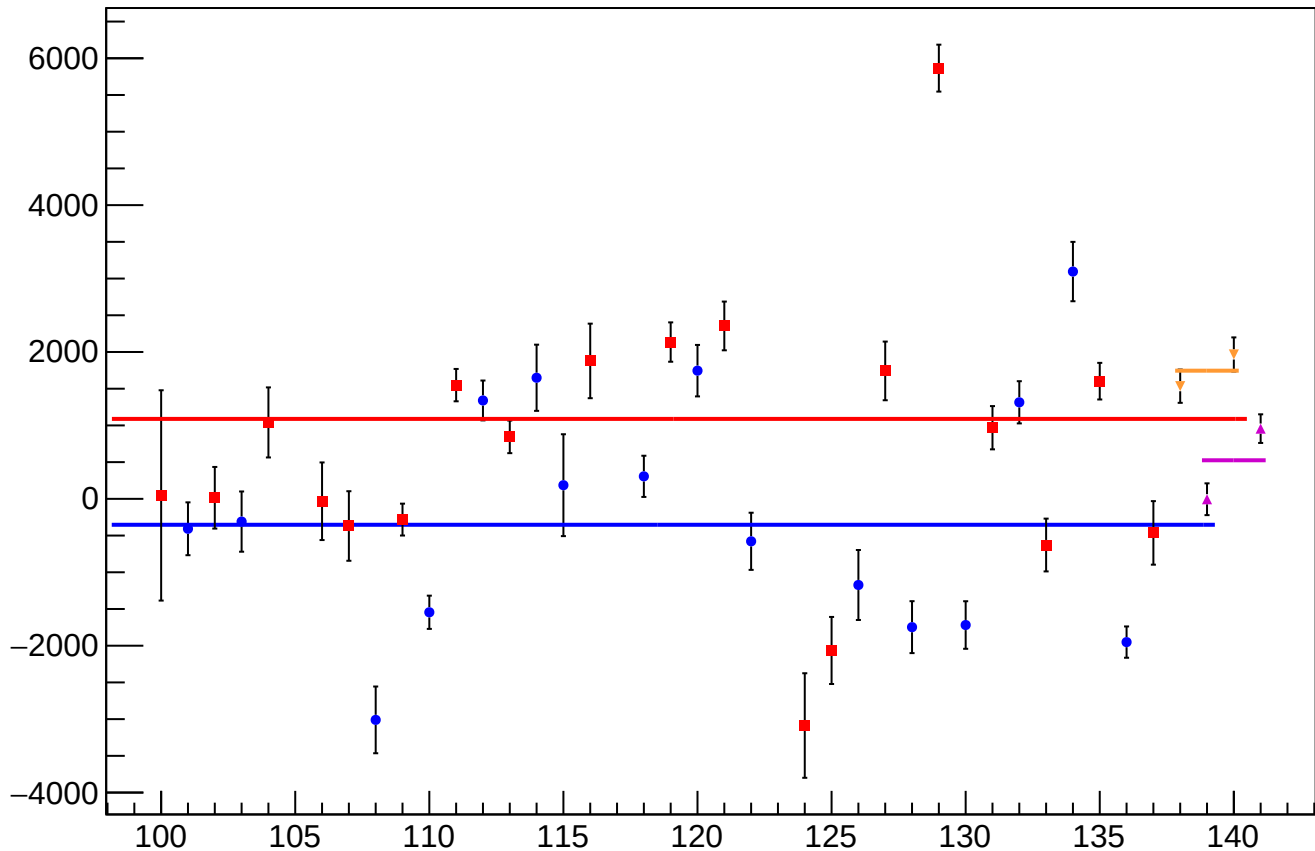
Left In: 125.548+/-0.069 χ^2/NDF :2158.8/1

+ sign 116.685+/-0.030 χ^2/NDF : 1135851.8/17

All: 115.570+/-0.020 χ^2/NDF : 2500048.7/38

- sign 114.532+/-0.028 χ^2/NDF : 1361438.2/20

asym_bpm0l01WS_mean vs Slug



Right In: -353.129 ± 82.136 χ^2/NDF : 361.8/15

Left Out: 1745.435 ± 162.218 χ^2/NDF : 1.8/1

Right Out: 1088.752 ± 76.444 χ^2/NDF : 447.2/18

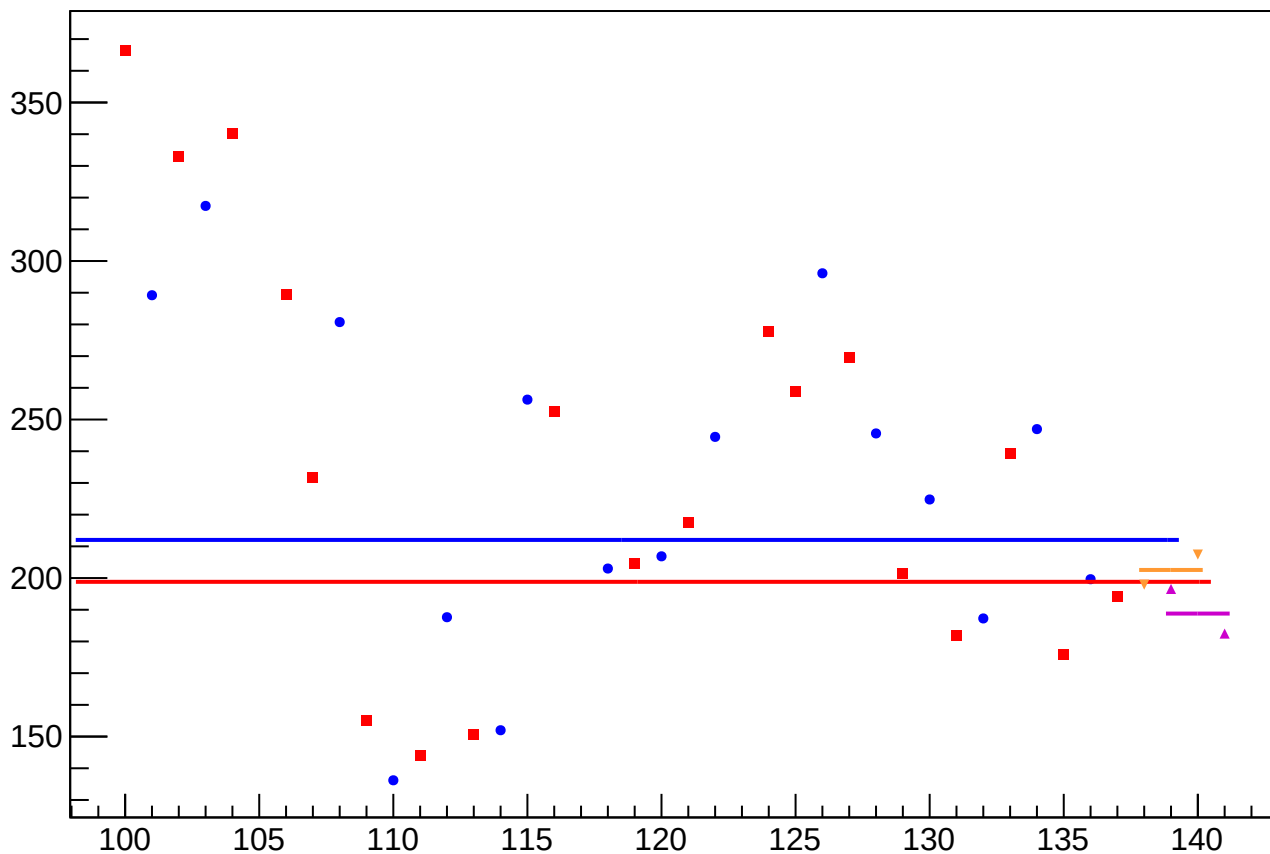
Left In: 525.246 ± 144.858 χ^2/NDF : 10.9/1

+ sign 75.095 ± 73.278 χ^2/NDF : 496.8/17

All: 556.352 ± 49.690 χ^2/NDF : 1046.5/38

- sign 966.007 ± 67.608 χ^2/NDF : 469.9/20

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

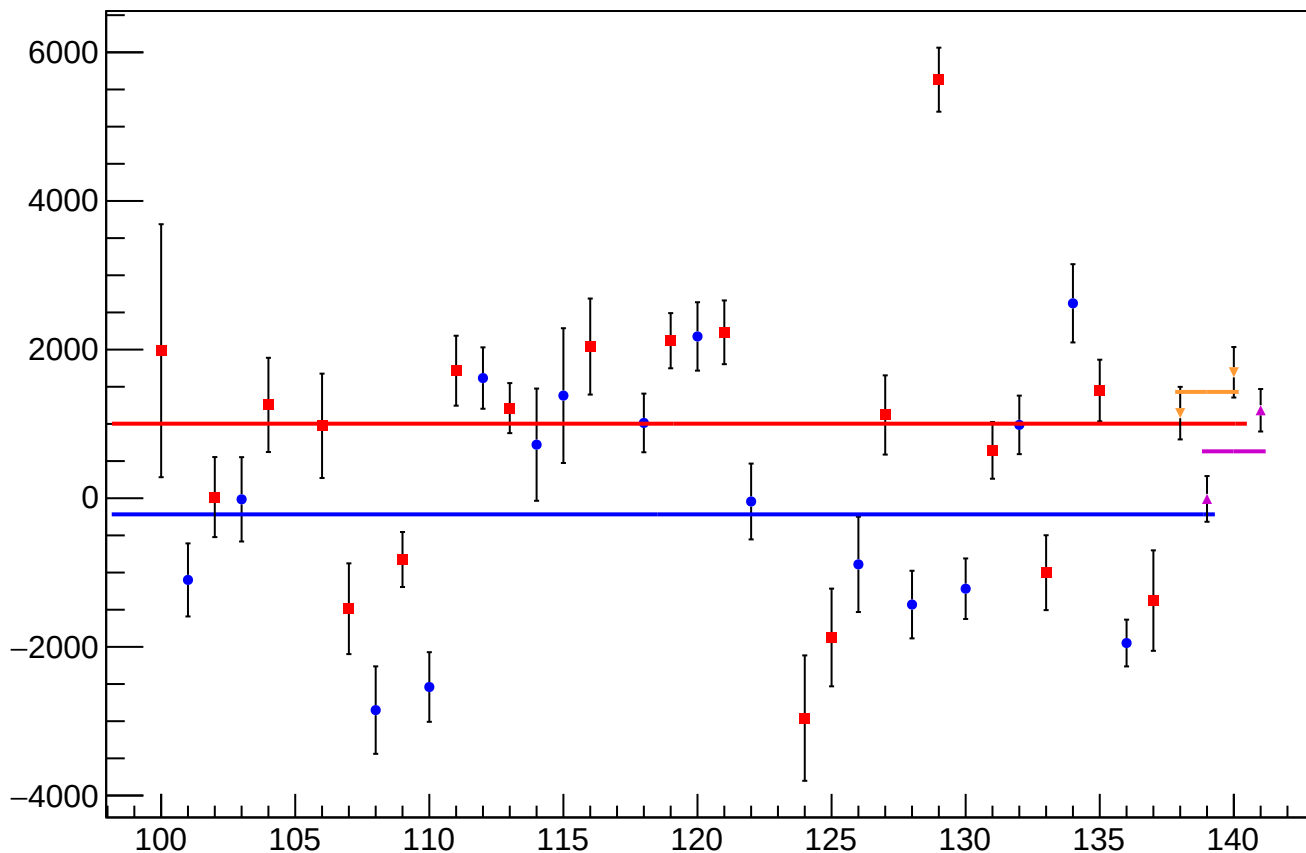
Left In: 188.797 $\pm$ 0.102 χ^2 /NDF:4672.8/1

+ sign 210.094 $\pm$ 0.052 χ^2 /NDF: 697496.7/17

All: 202.820 $\pm$ 0.035 χ^2 /NDF: 1721056.1/38

- sign 196.628 $\pm$ 0.048 χ^2 /NDF: 987075.3/20

asym_bpm0l02WS_mean vs Slug



Right In: -216.948 ± 117.887 $\chi^2/\text{NDF}: 192.2/15$

Left Out: 1430.732 ± 245.030 $\chi^2/\text{NDF}: 1.3/1$

Right Out: 1003.049 ± 113.111 $\chi^2/\text{NDF}: 254.3/18$

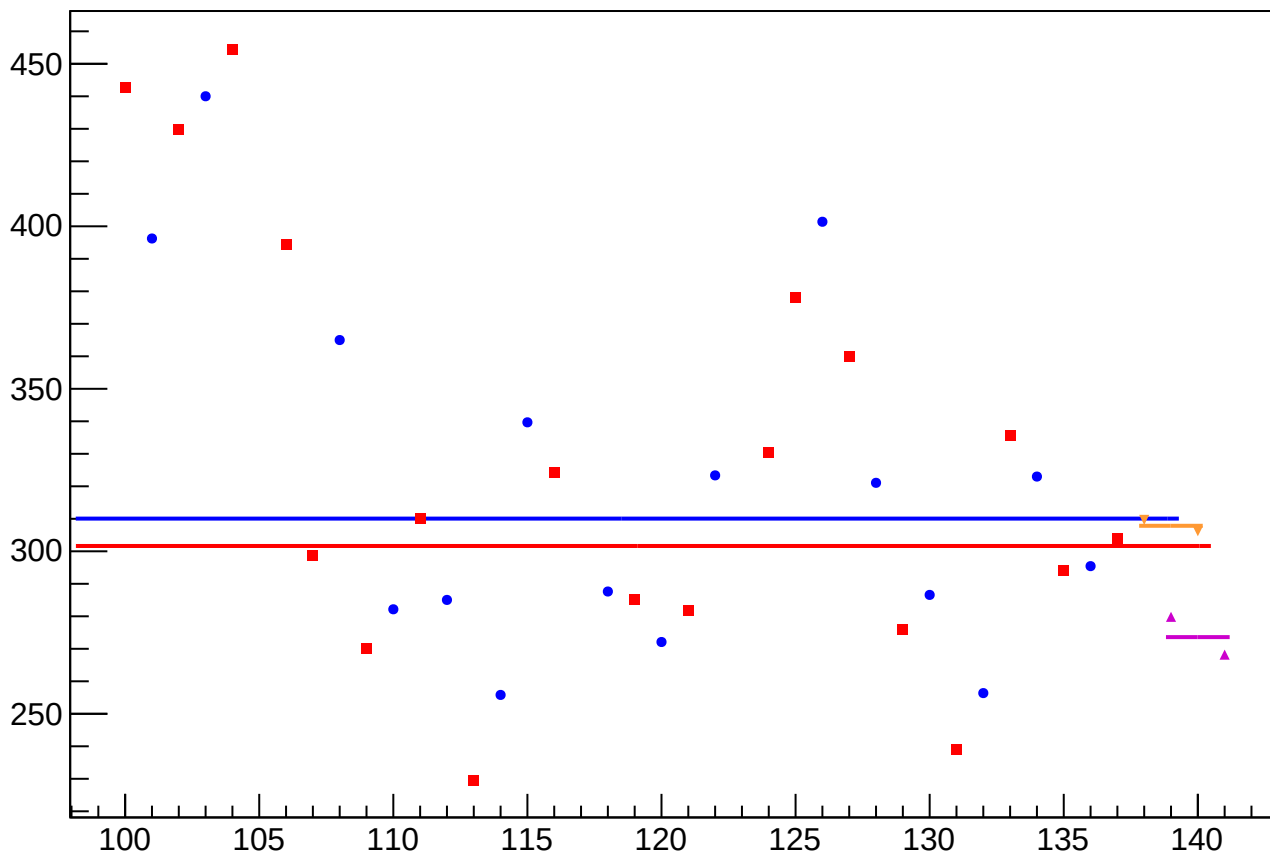
Left In: 631.145 ± 209.352 $\chi^2/\text{NDF}: 8.1/1$

+ sign 92.753 ± 106.232 $\chi^2/\text{NDF}: 230.2/17$

All: 532.831 ± 72.626 $\chi^2/\text{NDF}: 527.2/38$

- sign 919.016 ± 99.515 $\chi^2/\text{NDF}: 264.9/20$

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

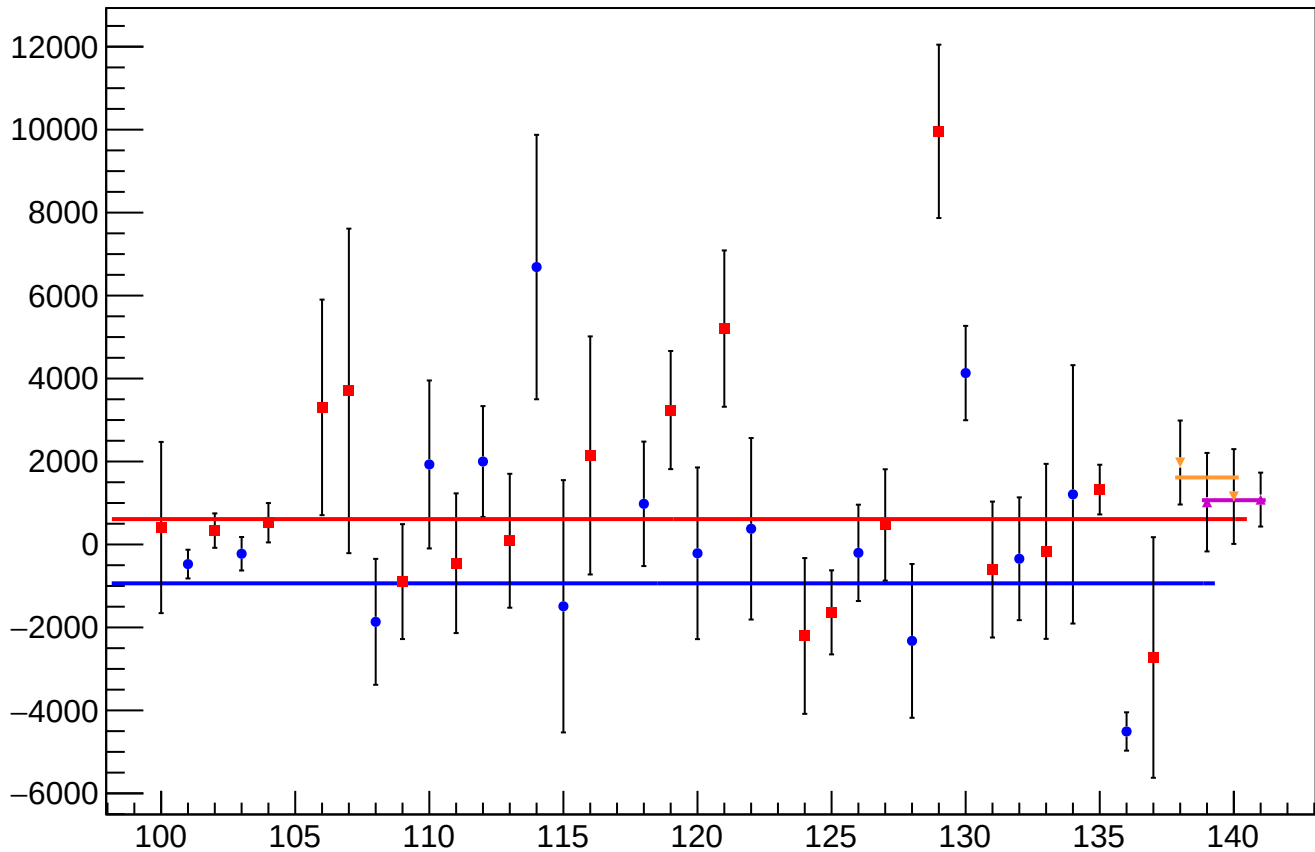
Left In: 273.596 $\pm$ 0.148 χ^2 /NDF:1537.2/1

+ sign 309.646 $\pm$ 0.075 χ^2 /NDF: 323517.1/17

All: 302.006 $\pm$ 0.051 χ^2 /NDF: 892142.0/38

- sign 295.301 $\pm$ 0.070 χ^2 /NDF: 549200.0/20

asym_bpm0l03WS_mean vs Slug



Right In: -936.949 ± 204.717 $\chi^2/\text{NDF}: 101.2/15$

Left Out: 1615.179 ± 757.667 $\chi^2/\text{NDF}: 0.3/1$

Right Out: 611.668 ± 233.144 $\chi^2/\text{NDF}: 44.1/18$

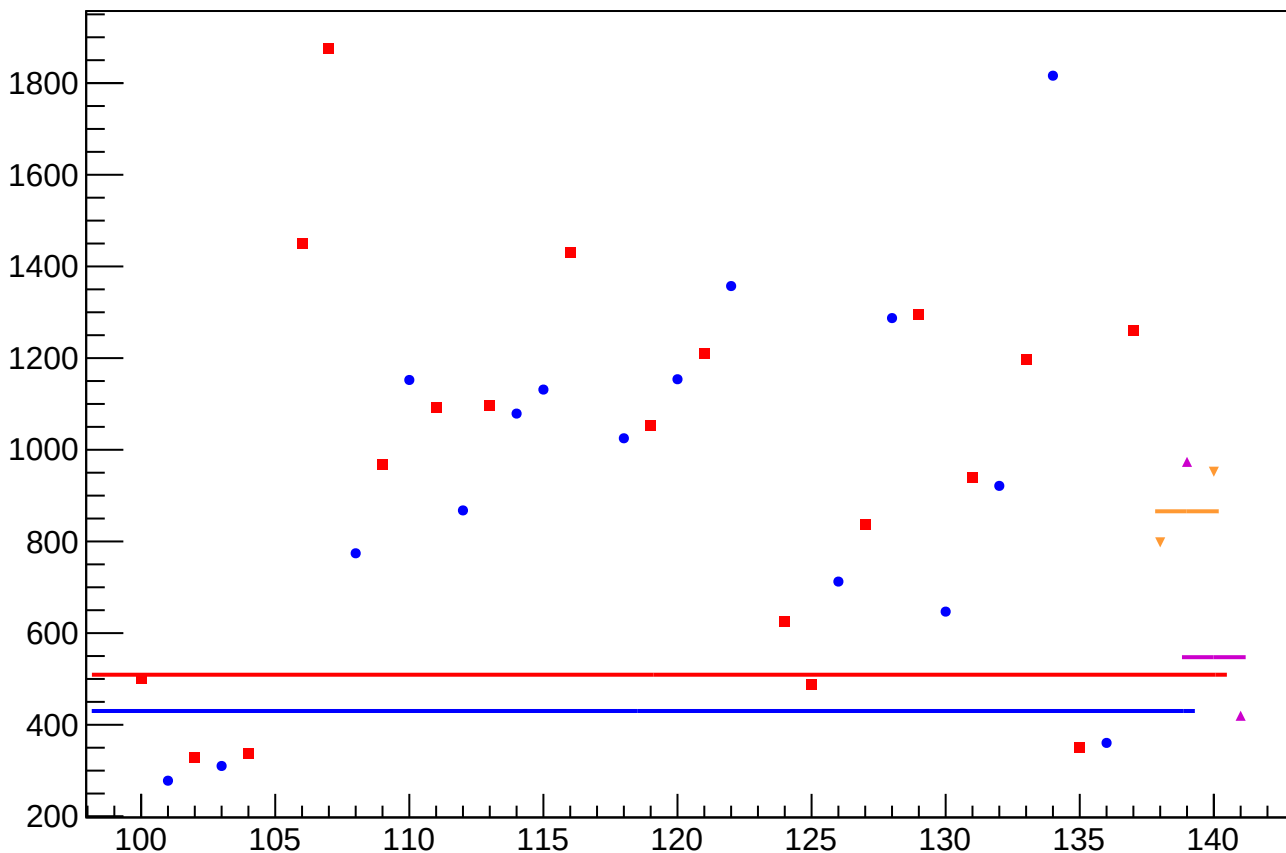
Left In: 1067.334 ± 570.142 $\chi^2/\text{NDF}: 0.0/1$

+ sign -763.309 ± 197.630 $\chi^2/\text{NDF}: 112.1/17$

All: -106.353 ± 145.746 $\chi^2/\text{NDF}: 181.0/38$

- sign 676.948 ± 215.799 $\chi^2/\text{NDF}: 44.7/20$

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

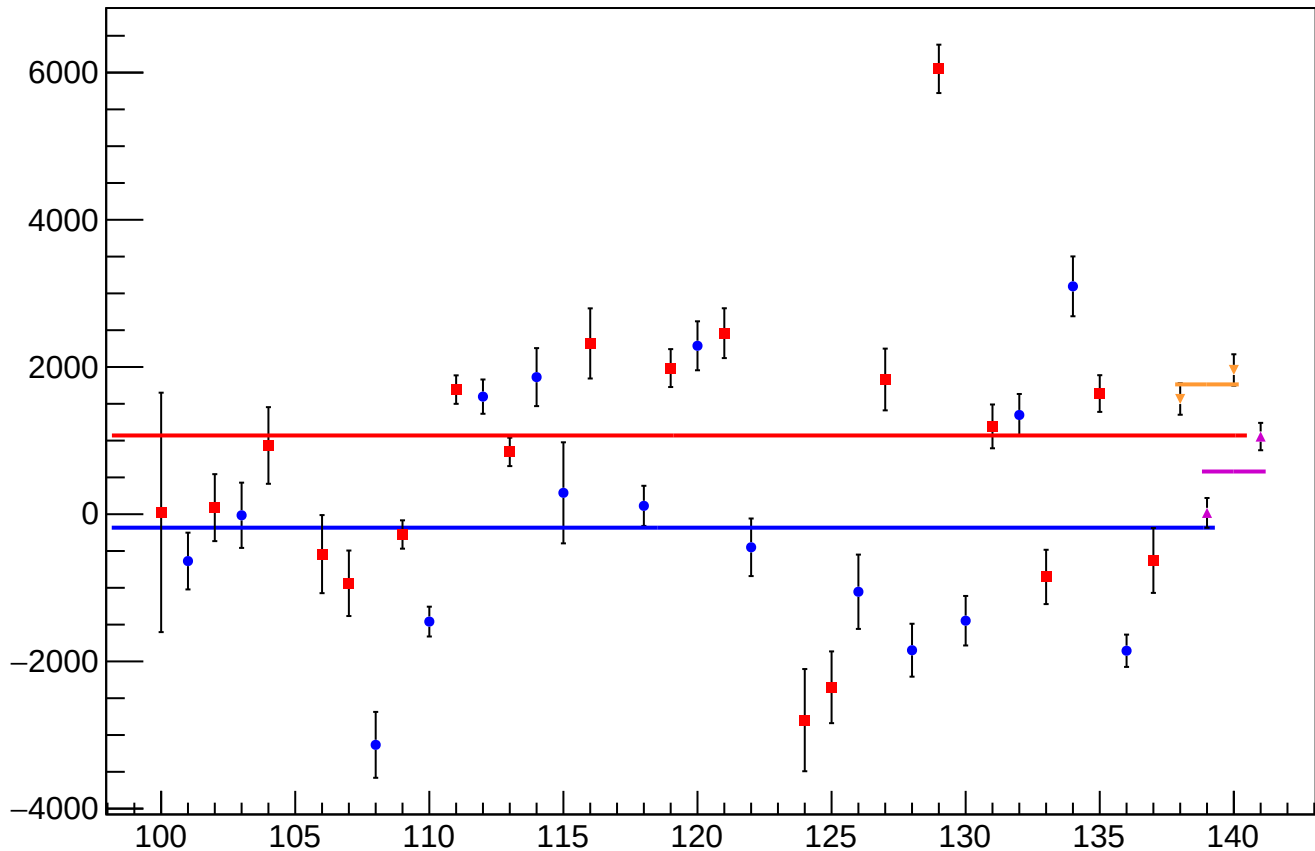
Left In: 547.500+/-0.403 χ^2/NDF : 335049.6/1

+ sign 459.752+/-0.140 χ^2/NDF : 4158545.0/17

All: 484.824+/-0.103 χ^2/NDF : 8245304.6/38

- sign 514.718+/-0.153 χ^2/NDF : 4016193.2/20

asym_bpm0l04WS_mean vs Slug



Right In: -183.020 ± 79.863 χ^2/NDF : 417.7/15

Left Out: 1763.629 ± 151.004 χ^2/NDF : 1.7/1

Right Out: 1069.729 ± 73.060 χ^2/NDF : 492.3/18

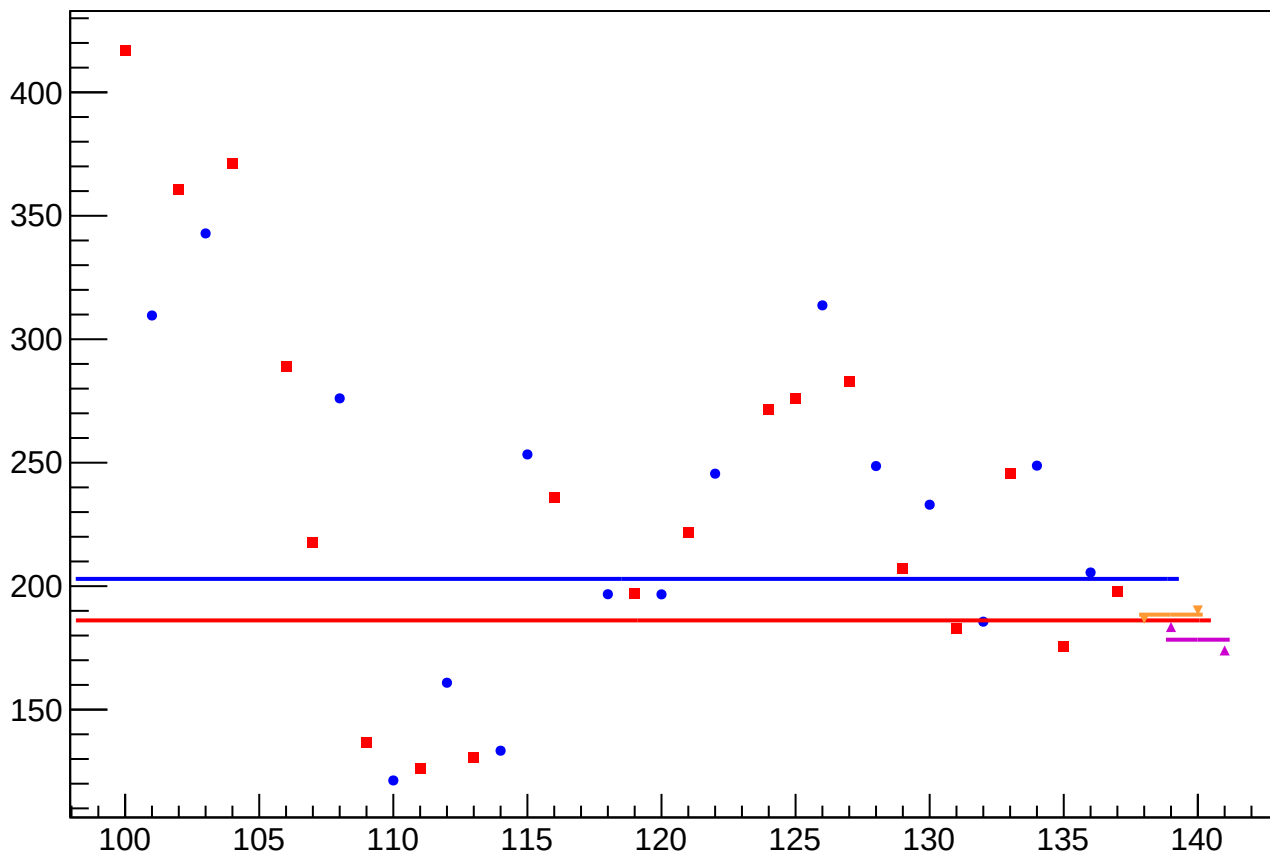
Left In: 580.051 ± 136.891 χ^2/NDF : 14.2/1

+ sign 242.471 ± 70.598 χ^2/NDF : 549.3/17

All: 634.441 ± 47.600 χ^2/NDF : 1122.3/38

- sign 961.168 ± 64.455 χ^2/NDF : 516.5/20

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

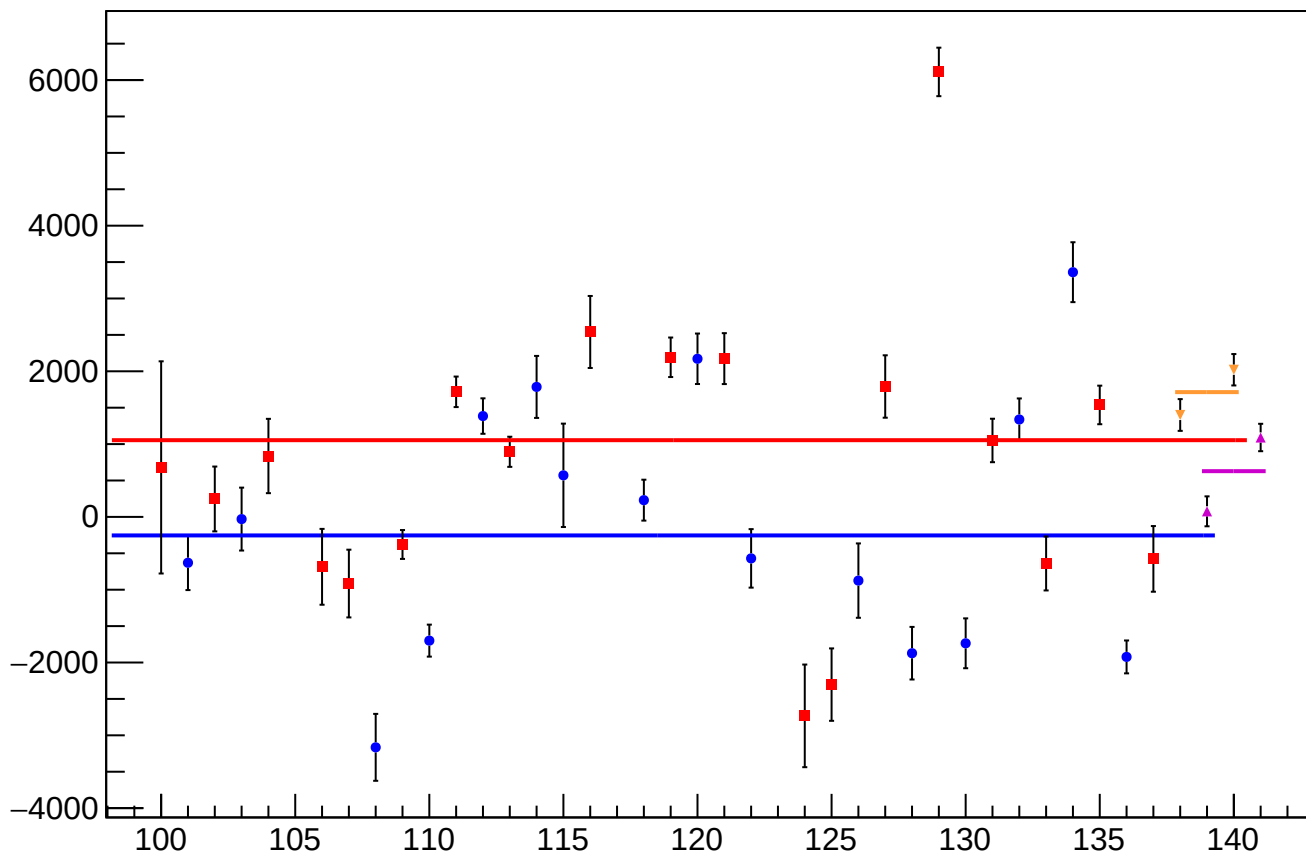
Left In: 178.316 $\pm$ 0.097 χ^2 /NDF: 2381.7/1

+ sign 199.777 $\pm$ 0.050 χ^2 /NDF: 1086473.7/17

All: 191.389 $\pm$ 0.034 χ^2 /NDF: 2627362.0/38

- sign 184.397 $\pm$ 0.046 χ^2 /NDF: 1489116.2/20

asym_bpm0l05WS_mean vs Slug



Right In: -254.470 ± 82.490 χ^2/NDF : 409.3/15

Left Out: 1713.957 ± 153.328 χ^2/NDF : 4.1/1

Right Out: 1053.731 ± 75.969 χ^2/NDF : 477.7/18

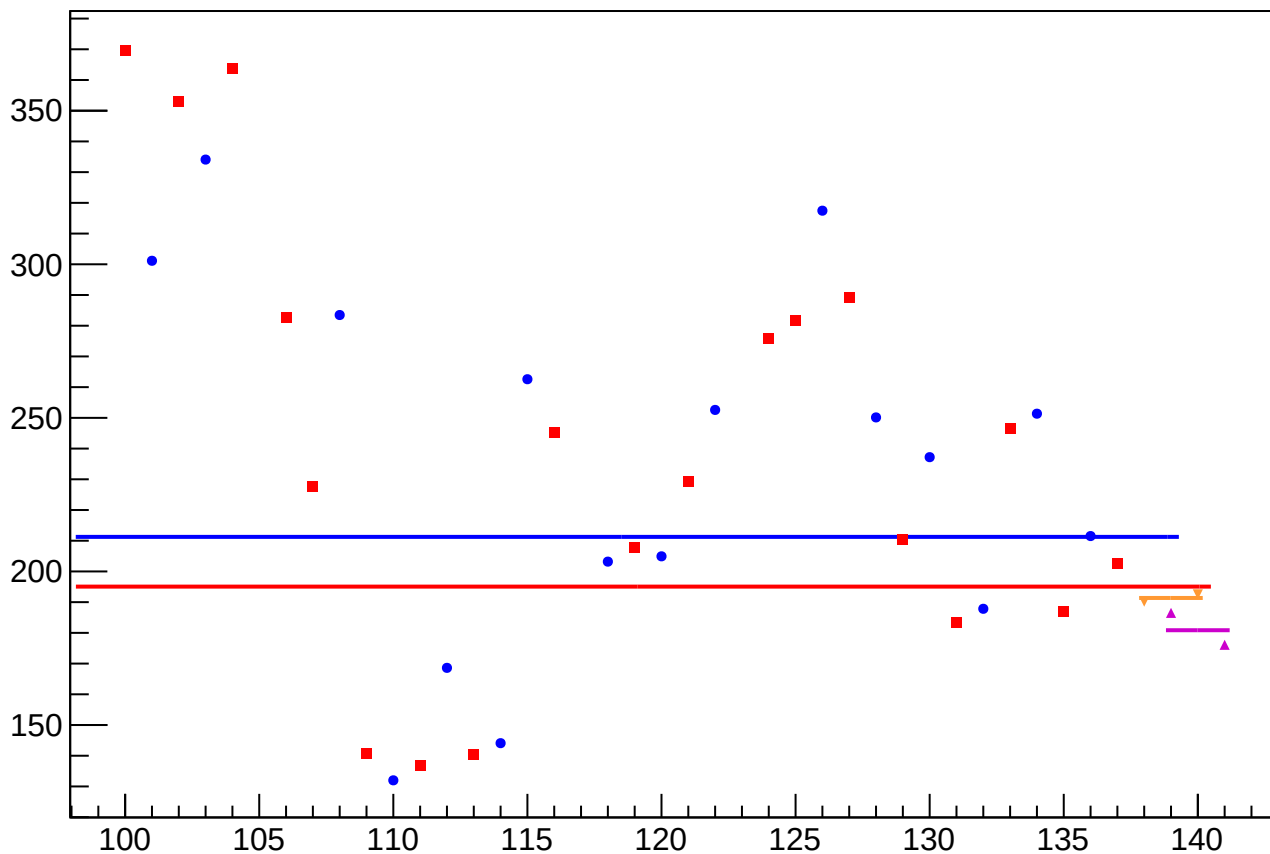
Left In: 628.213 ± 138.813 χ^2/NDF : 13.2/1

+ sign 187.380 ± 72.644 χ^2/NDF : 541.2/17

All: 604.563 ± 49.108 χ^2/NDF : 1100.1/38

- sign 955.657 ± 66.642 χ^2/NDF : 498.1/20

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF : 884363.6/15

Left Out: 191.364+/-0.108 χ^2/NDF : 119.8/1

Right Out: 195.061+/-0.054 χ^2/NDF : 1284879.9/18

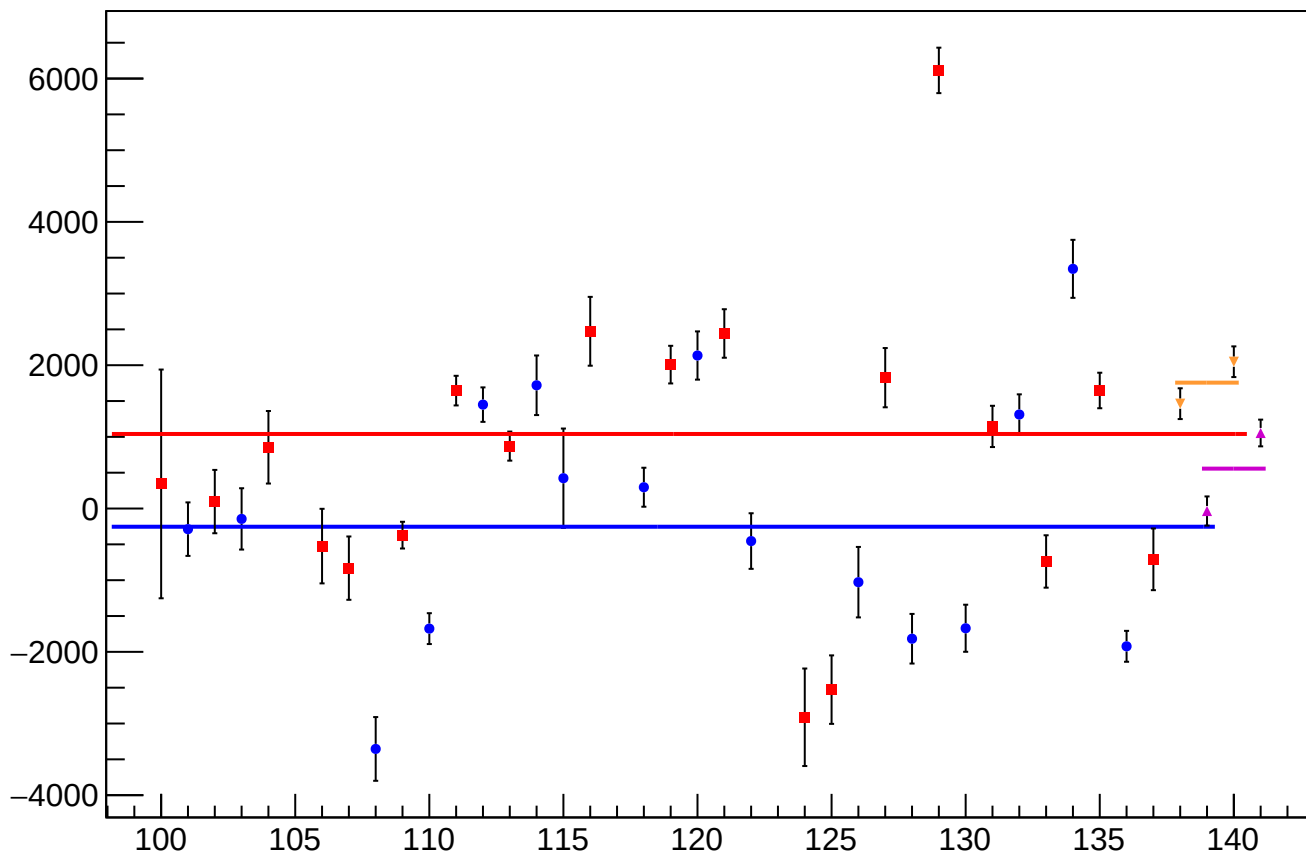
Left In: 180.861+/-0.098 χ^2/NDF : 2781.9/1

+ sign 206.789+/-0.051 χ^2/NDF : 910583.4/17

All: 198.643+/-0.035 χ^2/NDF : 2260660.2/38

- sign 191.788+/-0.047 χ^2/NDF : 1303768.0/20

asym_bpm0l06WS_mean vs Slug



Right In: -254.044 ± 80.222 χ^2/NDF : 432.1/15

Left Out: 1756.708 ± 151.680 χ^2/NDF : 3.7/1

Right Out: 1040.361 ± 73.363 χ^2/NDF : 533.4/18

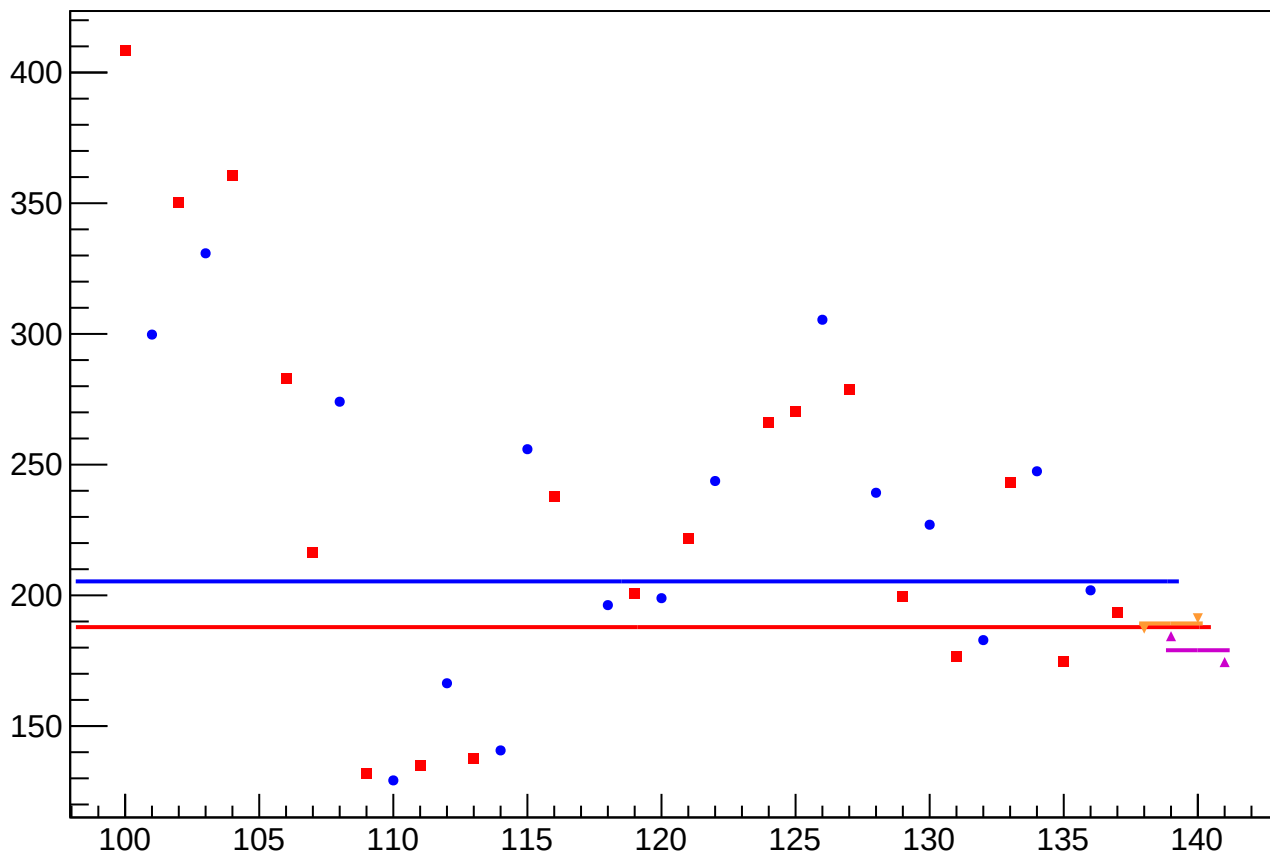
Left In: 556.760 ± 137.417 χ^2/NDF : 15.6/1

+ sign 185.472 ± 70.915 χ^2/NDF : 573.1/17

All: 593.374 ± 47.803 χ^2/NDF : 1192.4/38

- sign 933.097 ± 64.718 χ^2/NDF : 558.6/20

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

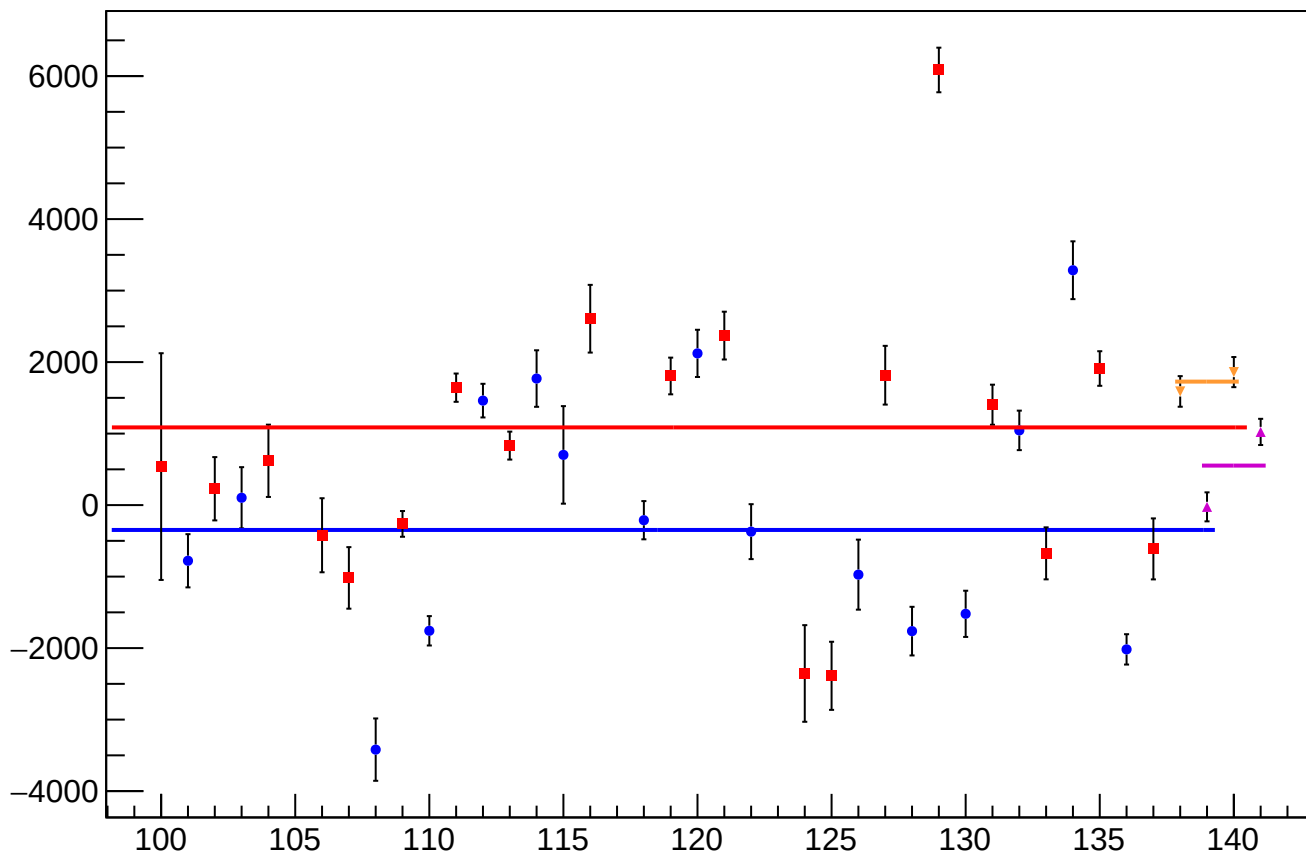
Left In: 179.005 $\pm$ 0.097 χ^2 /NDF:2579.3/1

+ sign 201.826 $\pm$ 0.050 χ^2 /NDF: 895309.8/17

All: 193.129 $\pm$ 0.034 χ^2 /NDF: 2296507.1/38

- sign 185.887 $\pm$ 0.046 χ^2 /NDF: 1346074.3/20

asym_bpm0l07WS_mean vs Slug



Right In: -347.666 ± 78.567 χ^2/NDF : 445.8/15

Left Out: 1727.071 ± 150.171 χ^2/NDF : 0.8/1

Right Out: 1086.638 ± 71.539 χ^2/NDF : 527.2/18

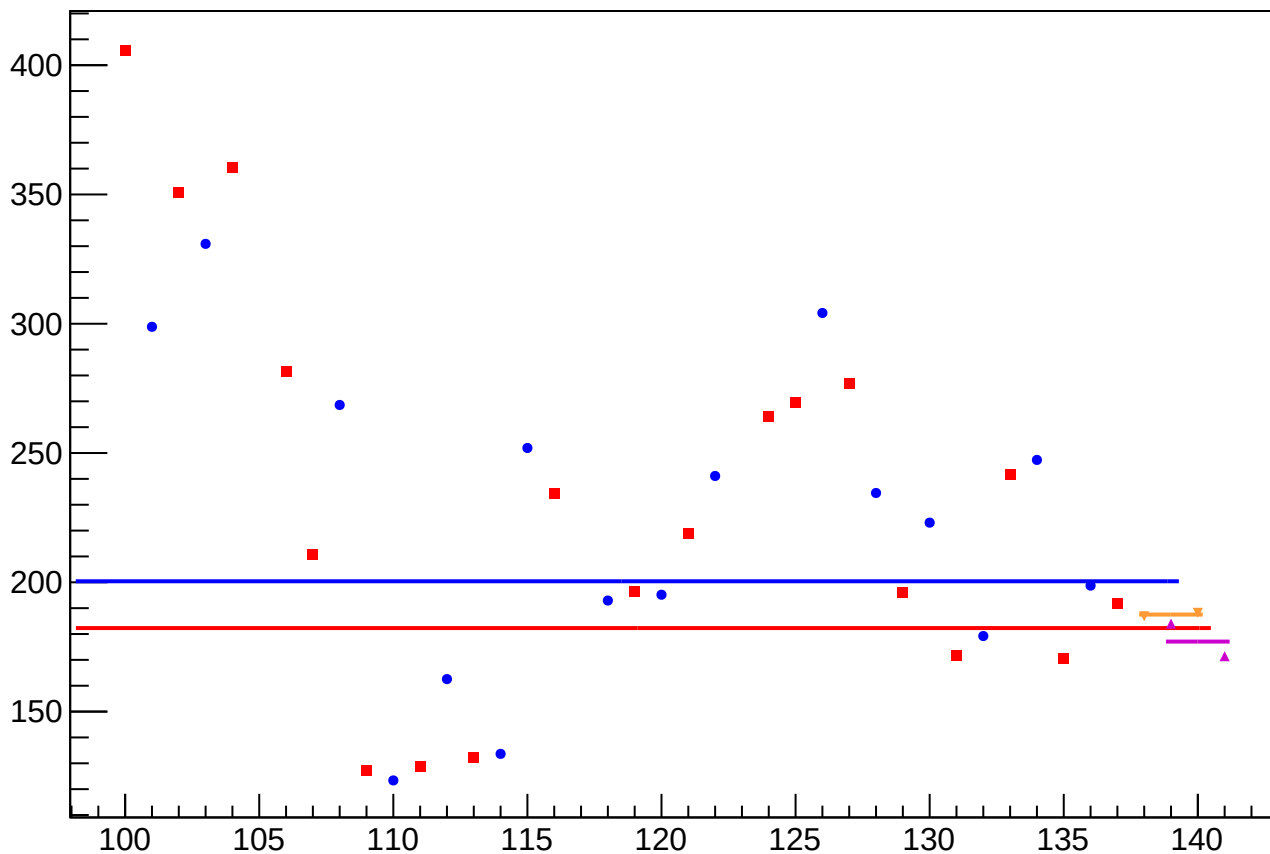
Left In: 552.554 ± 135.960 χ^2/NDF : 14.7/1

+ sign 98.191 ± 69.615 χ^2/NDF : 596.5/17

All: 575.814 ± 46.838 χ^2/NDF : 1236.4/38

- sign 970.832 ± 63.310 χ^2/NDF : 554.0/20

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

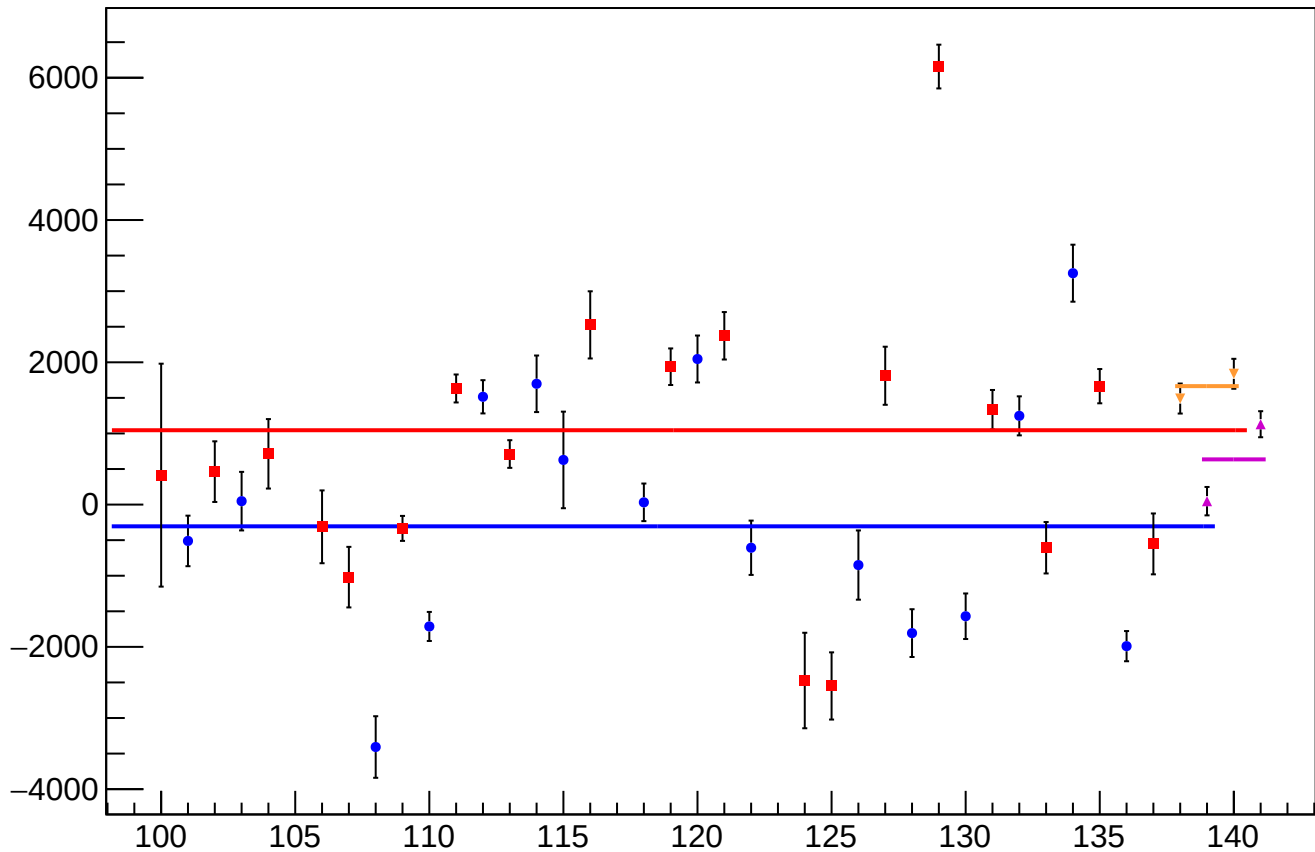
Left In: 177.073 $\pm$ 0.096 χ^2/NDF : 4234.2/1

+ sign 197.633 $\pm$ 0.049 χ^2/NDF : 970577.0/17

All: 188.621 $\pm$ 0.033 χ^2/NDF : 2485557.7/38

- sign 181.168 $\pm$ 0.045 χ^2/NDF : 1453747.8/20

asym_bpm0l08WS_mean vs Slug



Right In: -305.649 ± 77.868 χ^2/NDF : 451.8/15

Left Out: 1665.079 ± 148.904 χ^2/NDF : 1.4/1

Right Out: 1045.144 ± 70.824 χ^2/NDF : 552.2/18

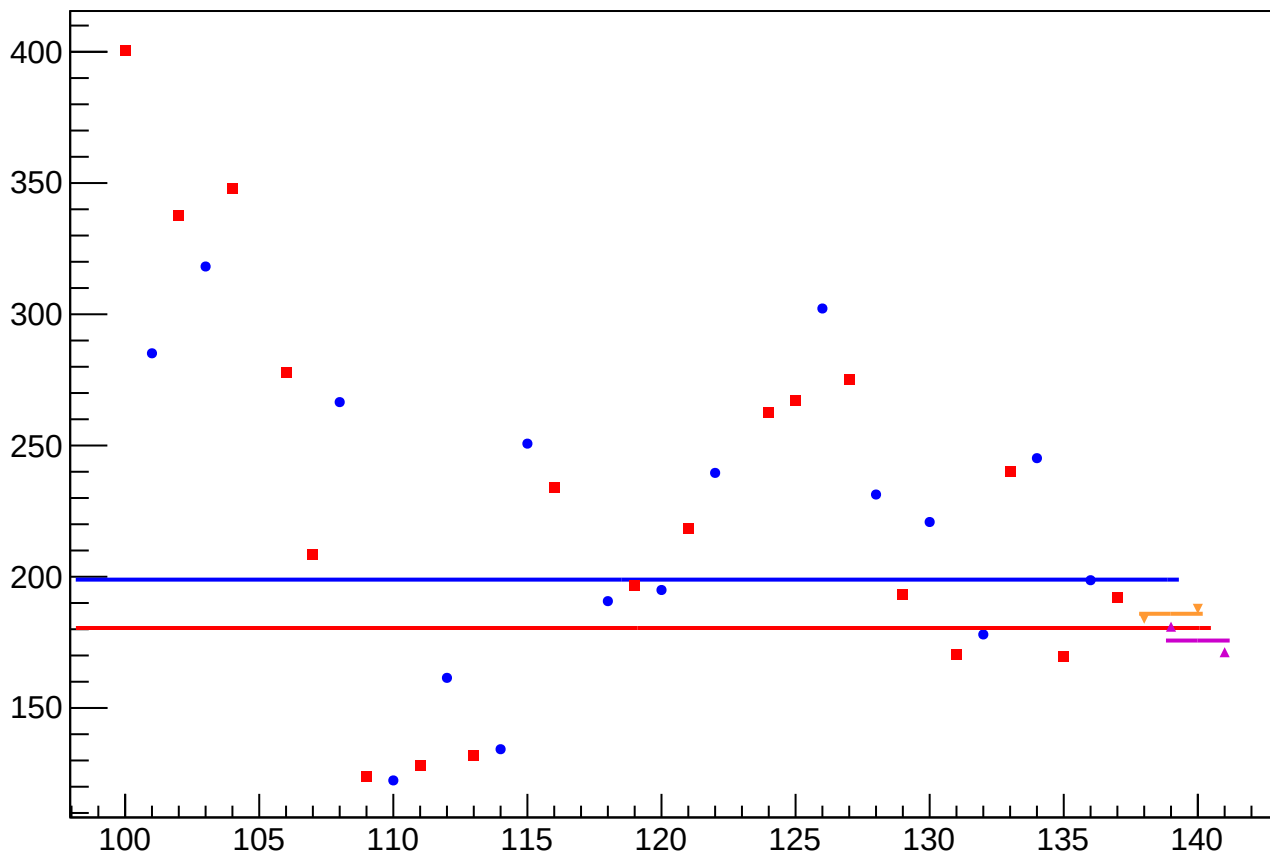
Left In: 635.413 ± 134.930 χ^2/NDF : 15.9/1

+ sign 117.554 ± 69.003 χ^2/NDF : 590.7/17

All: 577.096 ± 46.408 χ^2/NDF : 1247.0/38

- sign 956.642 ± 62.710 χ^2/NDF : 575.3/20

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF : 912765.0/15

Left Out: 185.895+/-0.105 χ^2/NDF : 319.7/1

Right Out: 180.473+/-0.050 χ^2/NDF : 1434435.8/18

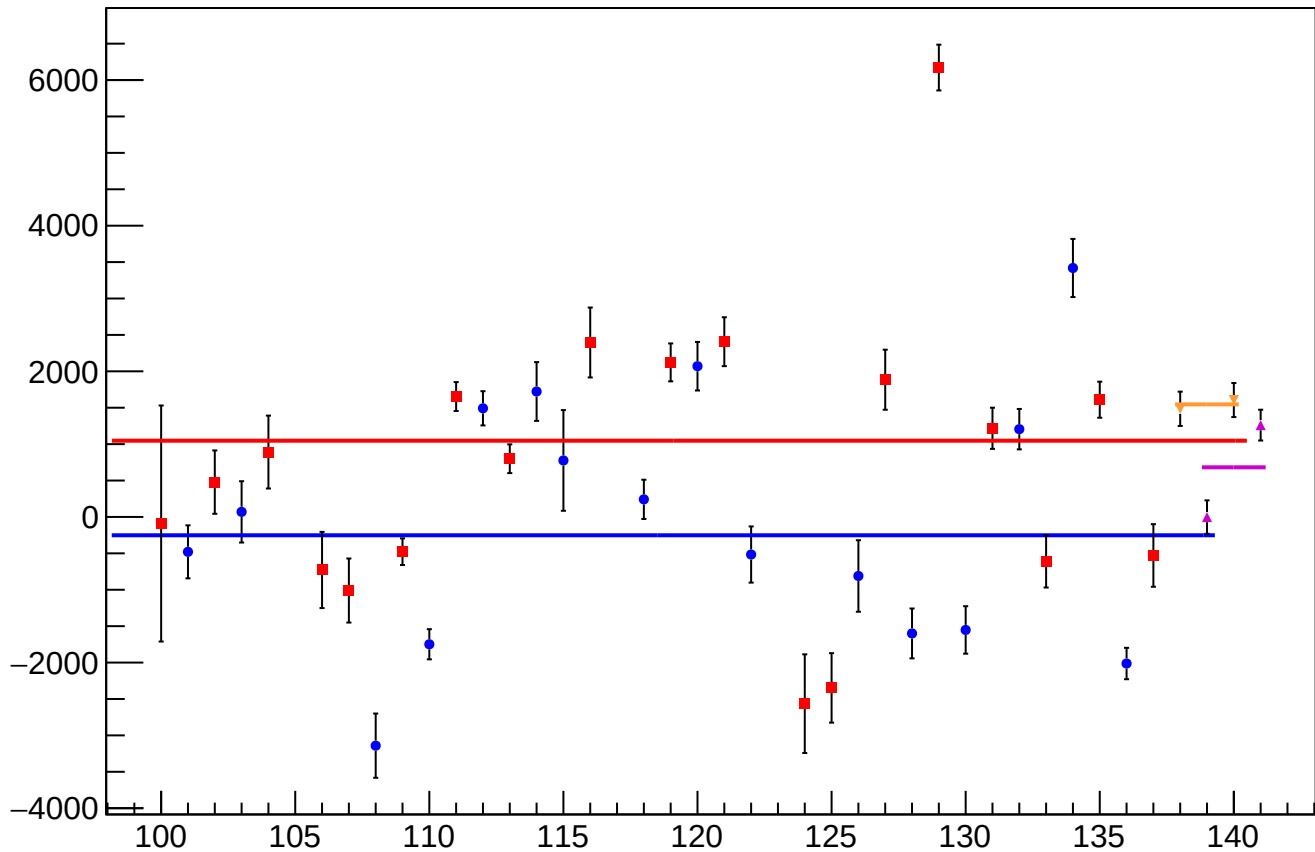
Left In: 175.694+/-0.095 χ^2/NDF : 2578.7/1

+ sign 196.109+/-0.049 χ^2/NDF : 925069.6/17

All: 186.980+/-0.033 χ^2/NDF : 2427968.1/38

- sign 179.441+/-0.044 χ^2/NDF : 1438981.1/20

asym_bpm0l09WS_mean vs Slug



Right In: -251.795 ± 78.974 χ^2/NDF : 441.2/15

Left Out: 1545.776 ± 166.009 χ^2/NDF : 0.1/1

Right Out: 1047.132 ± 72.190 χ^2/NDF : 546.7/18

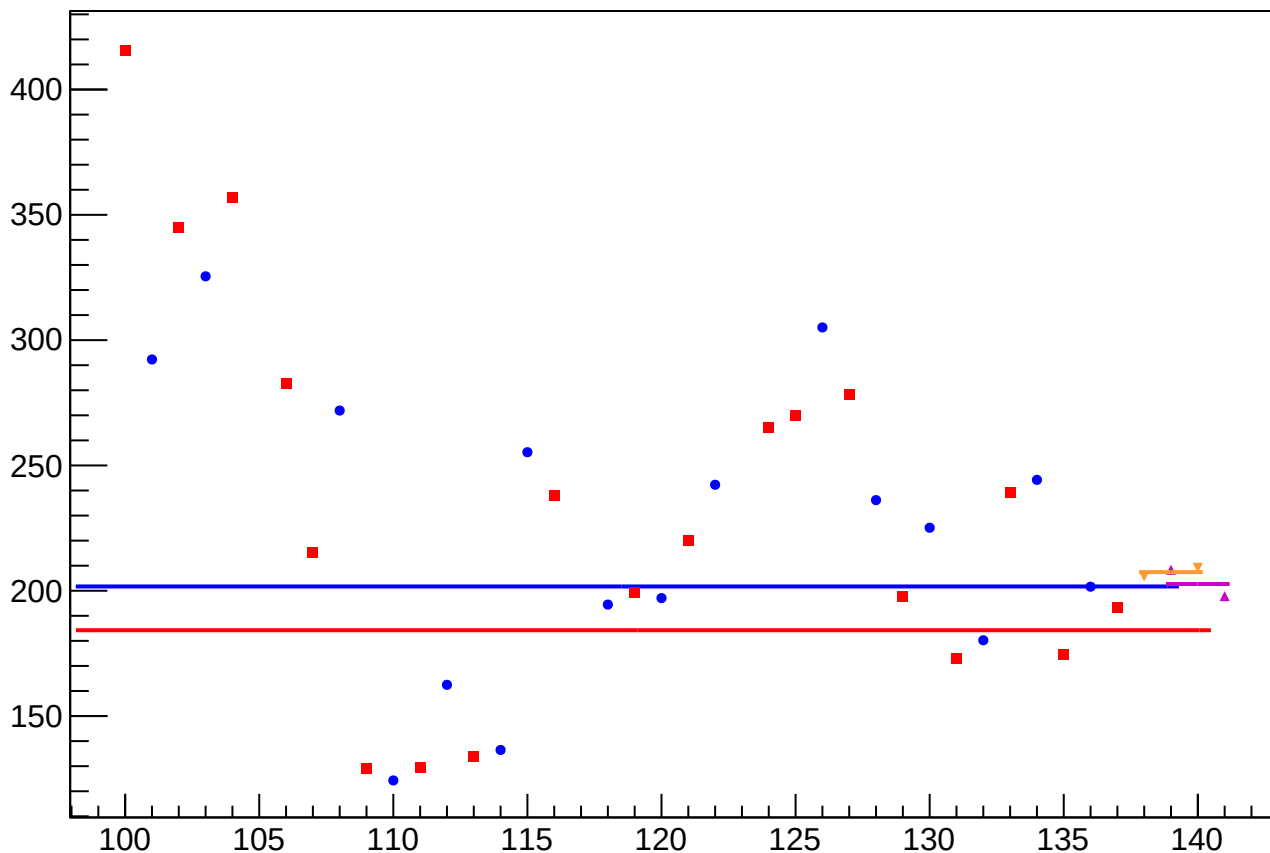
Left In: 681.521 ± 155.693 χ^2/NDF : 16.3/1

+ sign 79.941 ± 71.316 χ^2/NDF : 537.0/17

All: 569.535 ± 48.238 χ^2/NDF : 1191.5/38

- sign 982.439 ± 65.492 χ^2/NDF : 567.6/20

asym_bpm0l09WS_rms vs Slug



Right In: 201.714 $\pm$ 0.056 χ^2 /NDF: 924210.1/15

Left Out: 207.431 $\pm$ 0.117 χ^2 /NDF:217.9/1

Right Out: 184.244 $\pm$ 0.051 χ^2 /NDF: 1403761.8/18

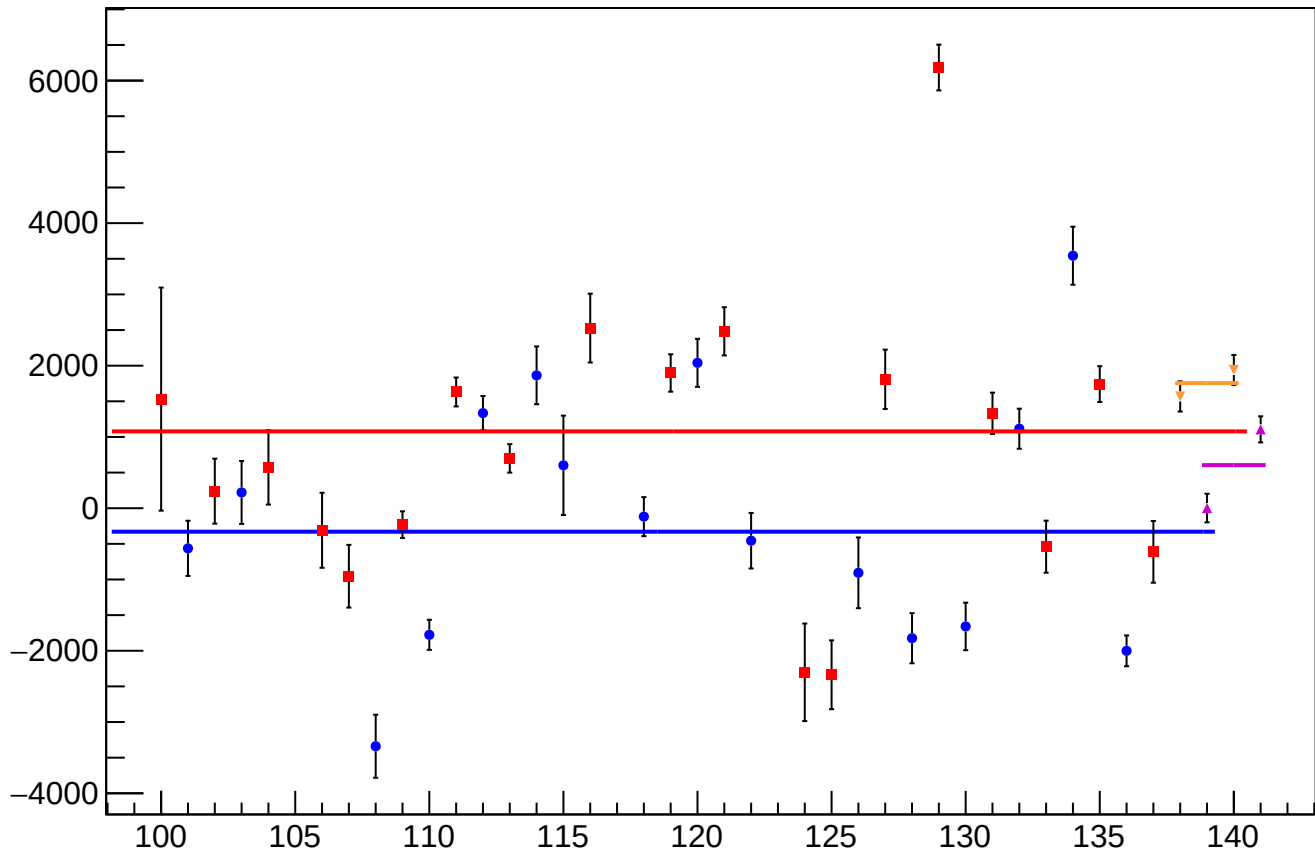
Left In: 202.685 $\pm$ 0.110 χ^2 /NDF:2264.4/1

+ sign 202.769 $\pm$ 0.050 χ^2 /NDF: 926362.3/17

All: 194.489 $\pm$ 0.034 χ^2 /NDF: 2405170.4/38

- sign 187.507 $\pm$ 0.046 χ^2 /NDF: 1429119.5/20

asym_bpm0l10WS_mean vs Slug



Right In: -329.377 ± 80.367 χ^2/NDF : 436.4/15

Left Out: 1755.518 ± 149.285 χ^2/NDF : 1.5/1

Right Out: 1077.876 ± 73.404 χ^2/NDF : 502.0/18

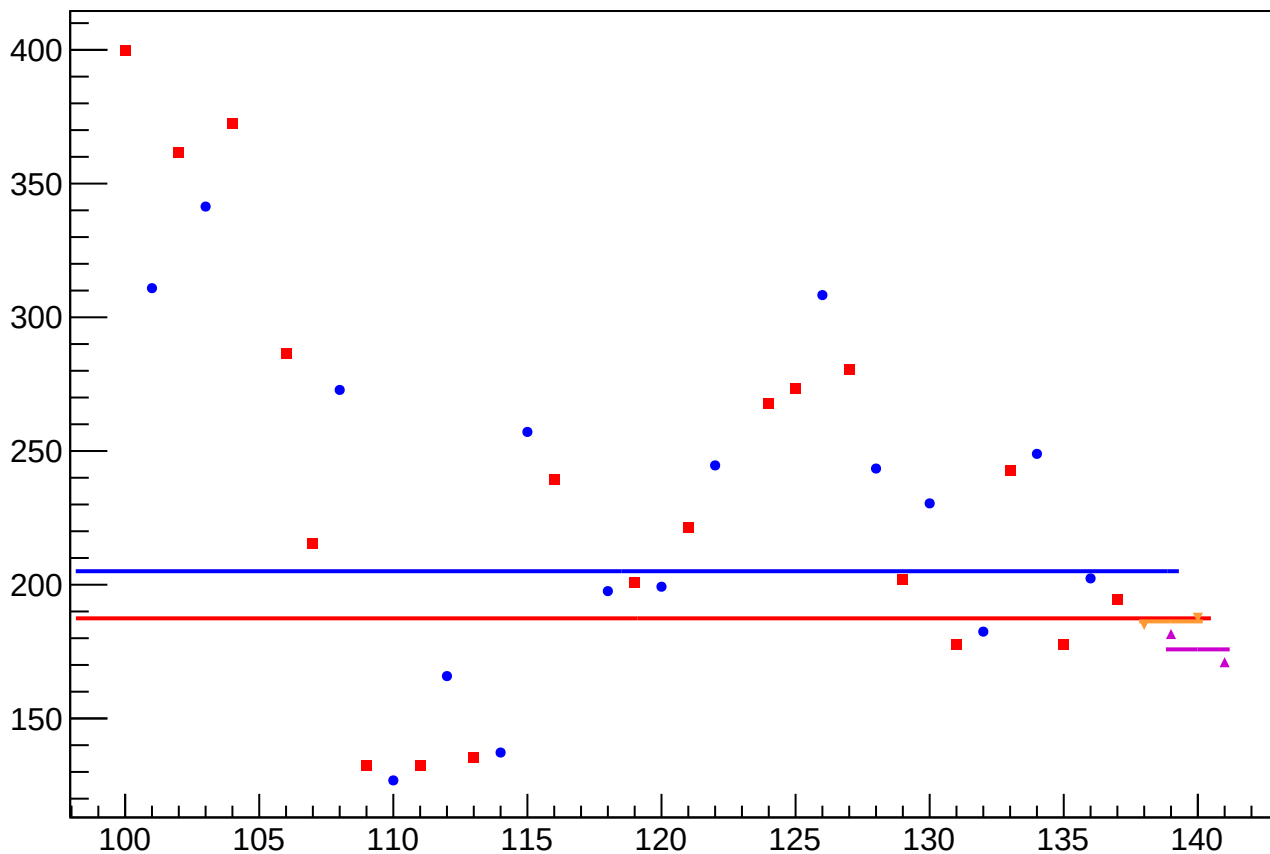
Left In: 604.636 ± 135.031 χ^2/NDF : 16.6/1

+ sign 139.093 ± 70.764 χ^2/NDF : 589.2/17

All: 592.961 ± 47.666 χ^2/NDF : 1192.5/38

- sign 969.928 ± 64.491 χ^2/NDF : 528.0/20

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

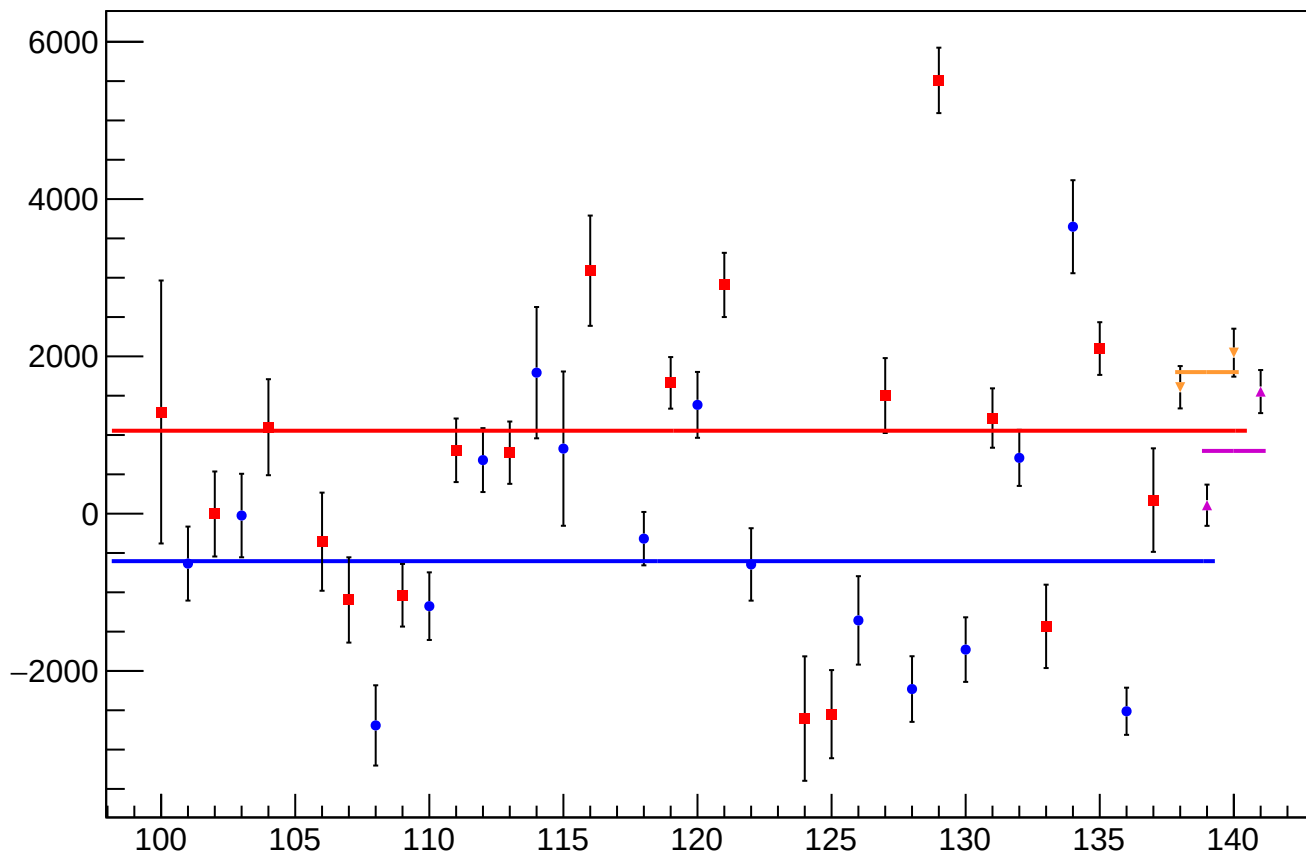
Left In: 175.826 $\pm$ 0.095 χ^2 /NDF:3026.7/1

+ sign 200.837 $\pm$ 0.050 χ^2 /NDF: 987713.9/17

All: 192.067 $\pm$ 0.034 χ^2 /NDF: 2469171.2/38

- sign 184.784 $\pm$ 0.046 χ^2 /NDF: 1425233.0/20

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF : 193.5/15

Left Out: 1800.051+/-201.838 χ^2/NDF : 1.2/1

Right Out: 1054.556+/-108.264 χ^2/NDF : 297.7/18

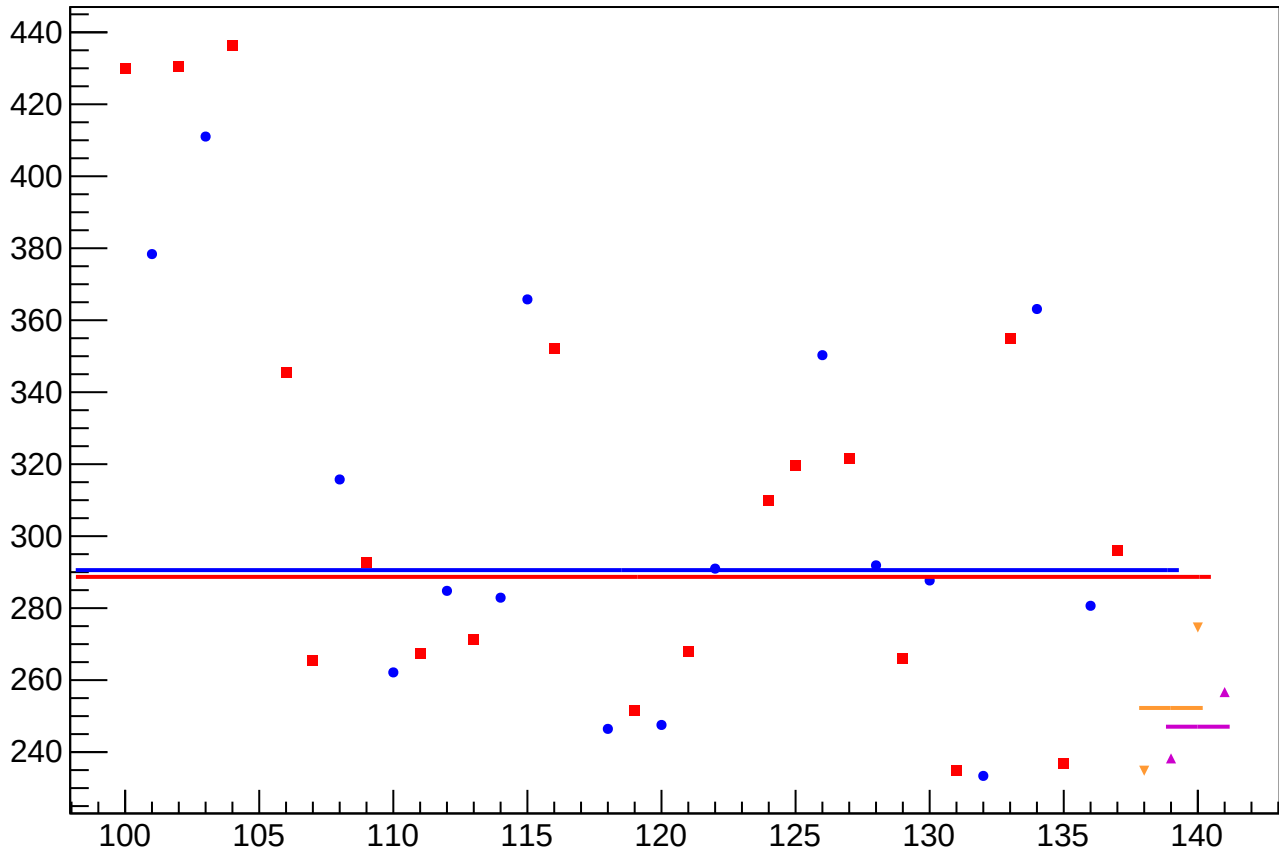
Left In: 797.987+/-189.368 χ^2/NDF : 14.5/1

+ sign -48.013+/-97.055 χ^2/NDF : 303.8/17

All: 488.354+/-67.518 χ^2/NDF : 676.5/38

- sign 991.354+/-93.988 χ^2/NDF : 313.6/20

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

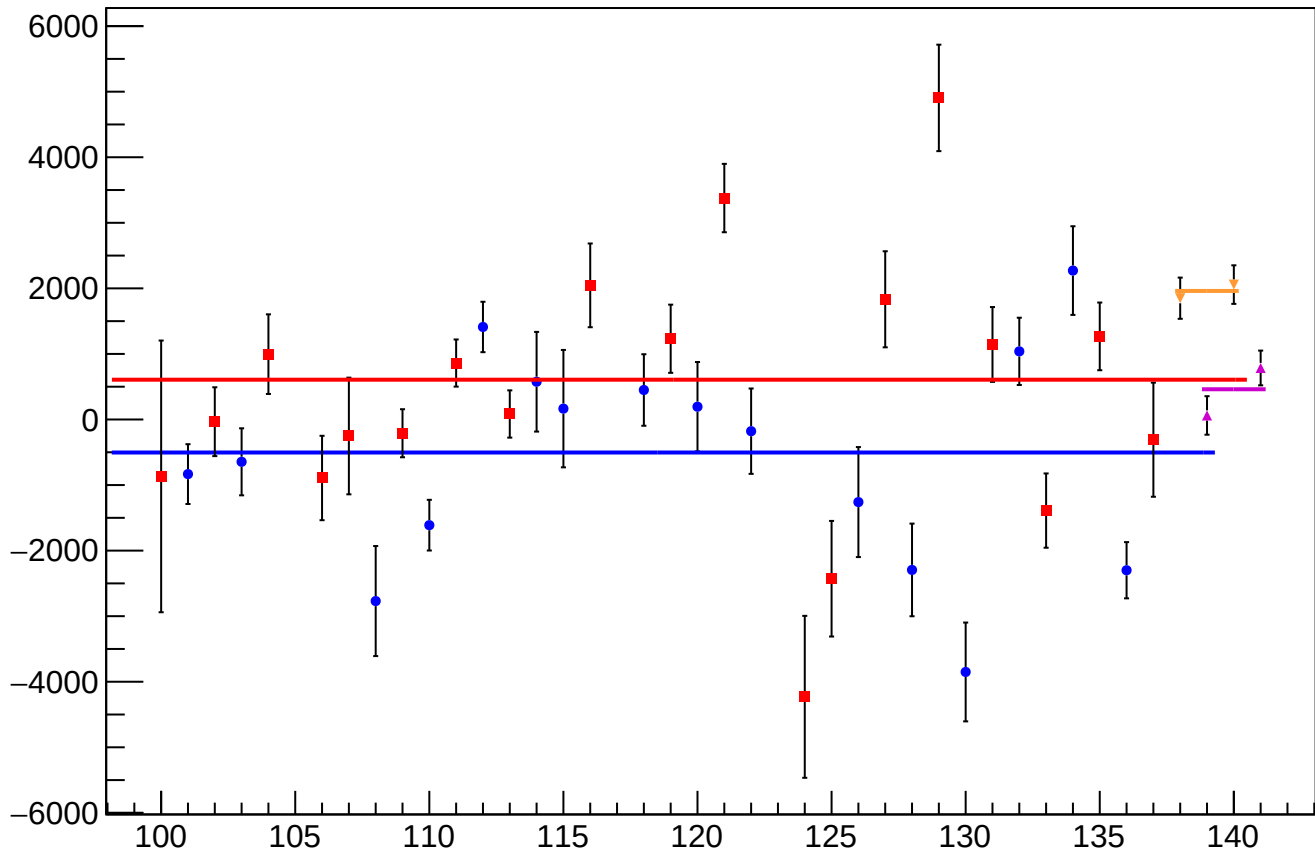
Left In: 247.061 $\pm$ 0.134 χ^2 /NDF:4724.7/1

+ sign 281.710 $\pm$ 0.069 χ^2 /NDF: 434315.0/17

All: 280.019 $\pm$ 0.048 χ^2 /NDF: 1002139.4/38

- sign 278.432 $\pm$ 0.066 χ^2 /NDF: 566647.2/20

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF : 118.2/15

Left Out: 1960.689+/-214.742 χ^2/NDF : 0.2/1

Right Out: 606.880+/-129.609 χ^2/NDF : 125.1/18

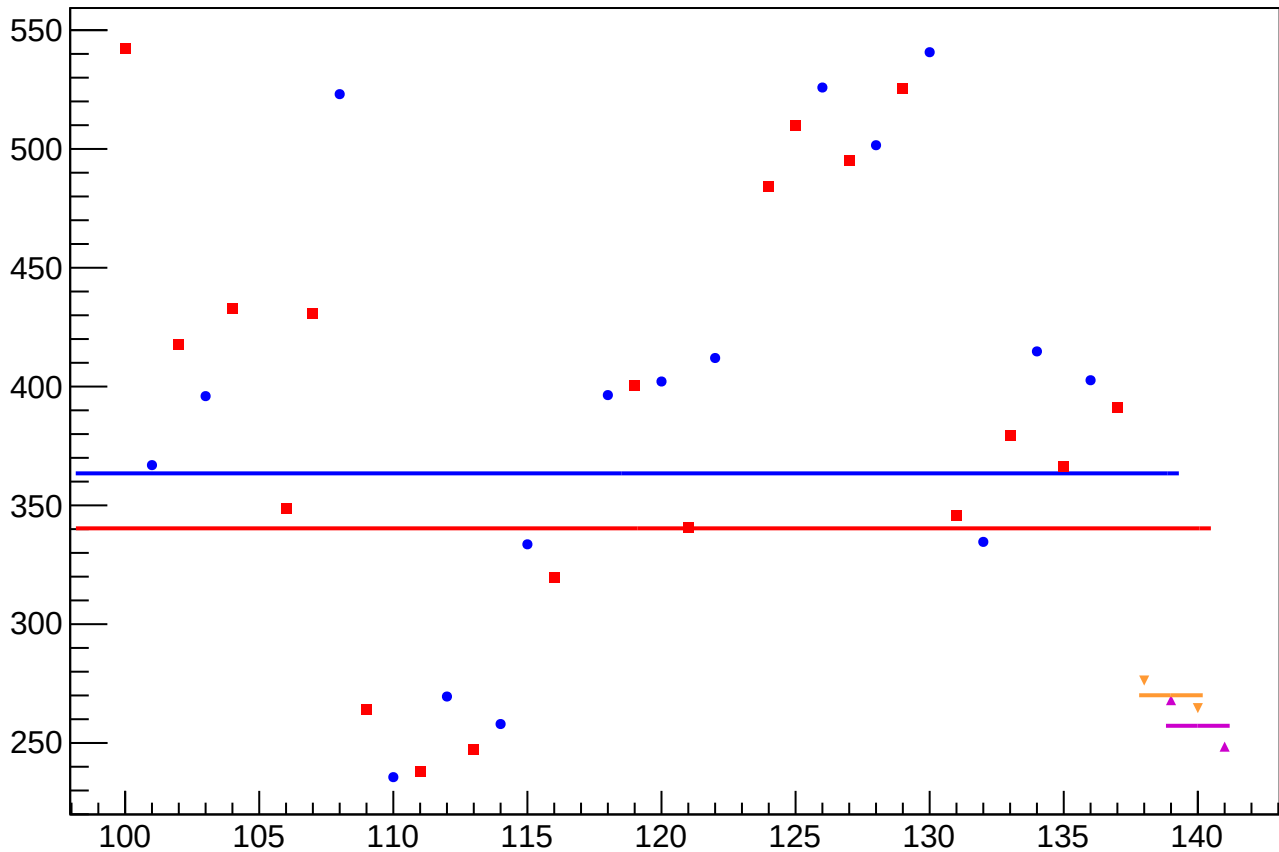
Left In: 461.028+/-196.788 χ^2/NDF : 3.4/1

+ sign 231.779+/-117.312 χ^2/NDF : 210.9/17

All: 410.555+/-79.552 χ^2/NDF : 344.0/38

- sign 562.754+/-108.241 χ^2/NDF : 128.9/20

asym_bpm0r05WS_rms vs Slug



Right In: 363.471 $\pm$ 0.099 χ^2 /NDF: 780893.2/15

Left Out: 270.085 $\pm$ 0.152 χ^2 /NDF: 1456.9/1

Right Out: 340.332 $\pm$ 0.092 χ^2 /NDF: 856230.3/18

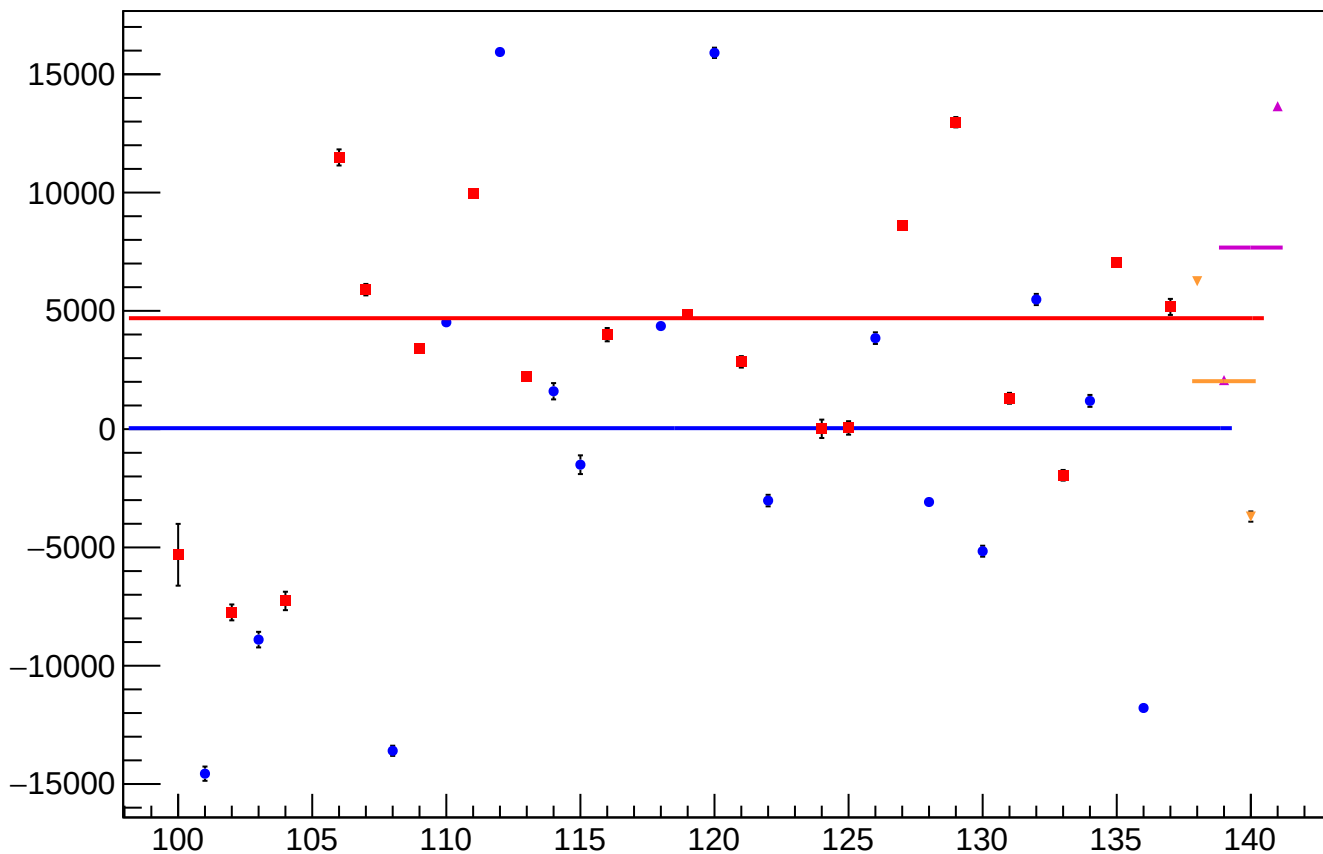
Left In: 257.238 $\pm$ 0.139 χ^2 /NDF: 4891.3/1

+ sign 335.601 $\pm$ 0.083 χ^2 /NDF: 1047706.8/17

All: 324.578 $\pm$ 0.056 χ^2 /NDF: 2190232.3/38

- sign 315.193 $\pm$ 0.077 χ^2 /NDF: 1109829.4/20

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF :1215.1/1

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

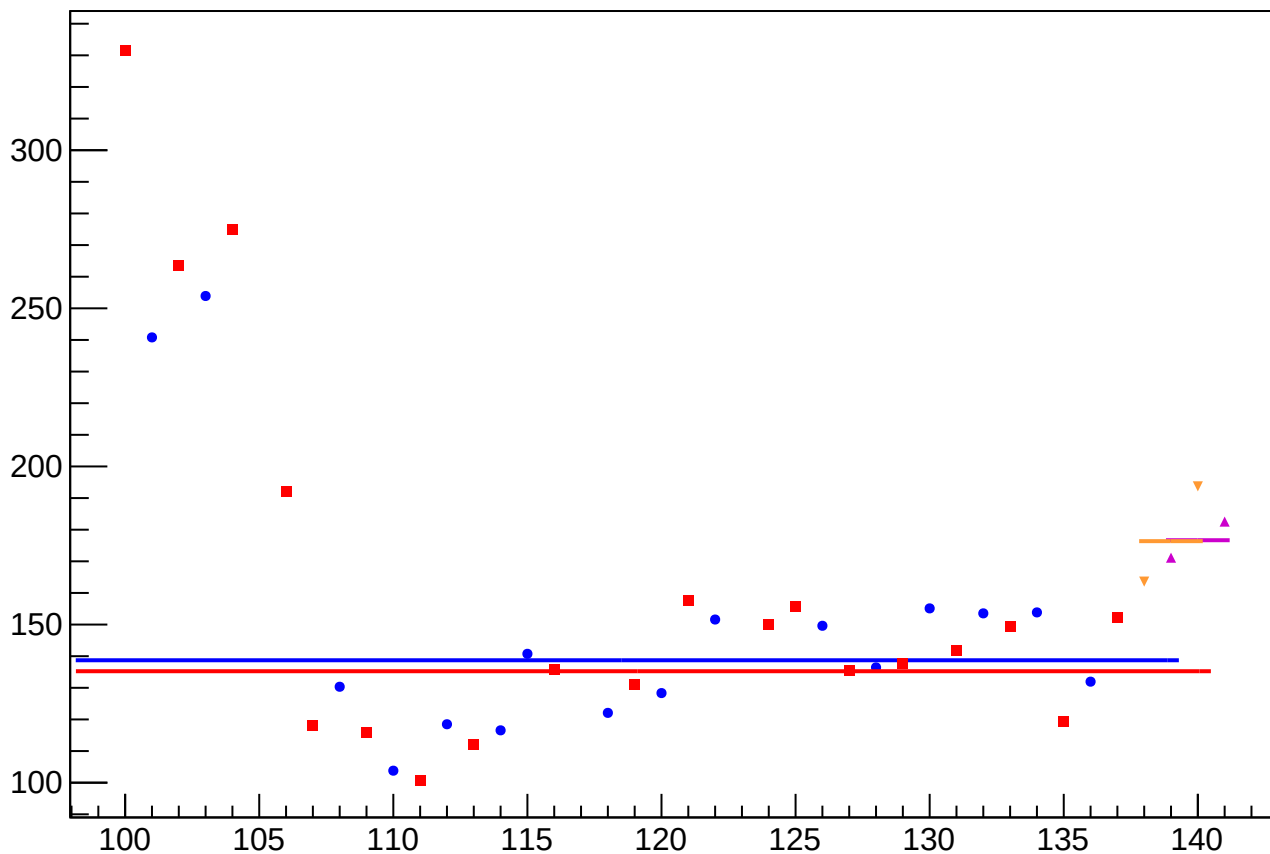
Left In: 7675.269+/-135.766 χ^2/NDF :1815.7/1

+ sign 296.458+/-50.592 χ^2/NDF : 32174.2/17

All: 2778.728+/-35.063 χ^2/NDF : 46839.2/38

- sign 5072.874+/-48.637 χ^2/NDF : 10032.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF : 657791.3/15

Left Out: 176.377+/-0.100 χ^2/NDF :22275.9/1

Right Out: 135.245+/-0.037 χ^2/NDF : 890024.8/18

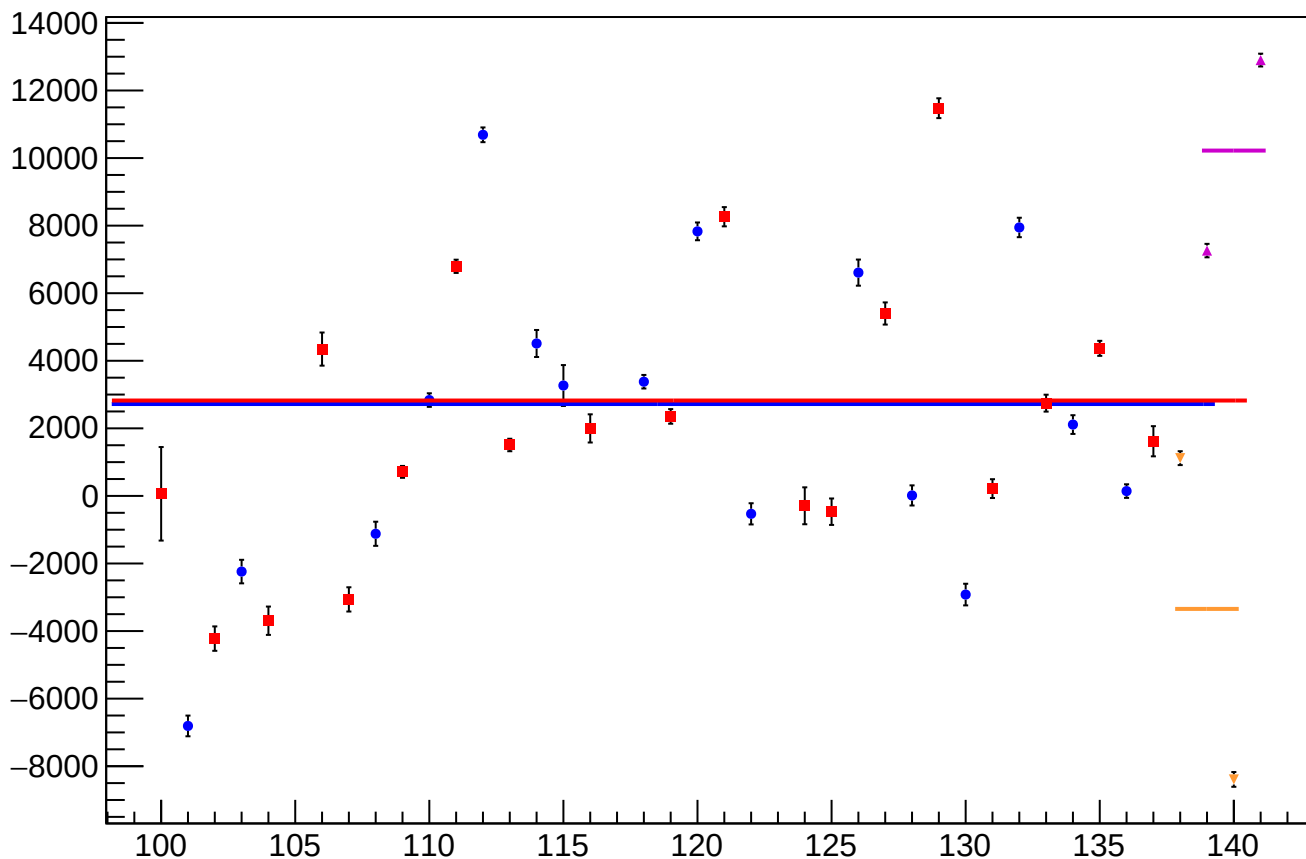
Left In: 176.672+/-0.096 χ^2/NDF :3527.2/1

+ sign 143.558+/-0.036 χ^2/NDF : 804332.6/17

All: 142.001+/-0.025 χ^2/NDF : 1863845.4/38

- sign 140.562+/-0.034 χ^2/NDF : 1055868.3/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896 $\pm$ 69.247 χ^2 /NDF: 4129.3/15

Left Out: -3344.405 $\pm$ 149.642 χ^2 /NDF:1005.7/1

Right Out: 2823.679 $\pm$ 64.850 χ^2 /NDF: 3062.8/18

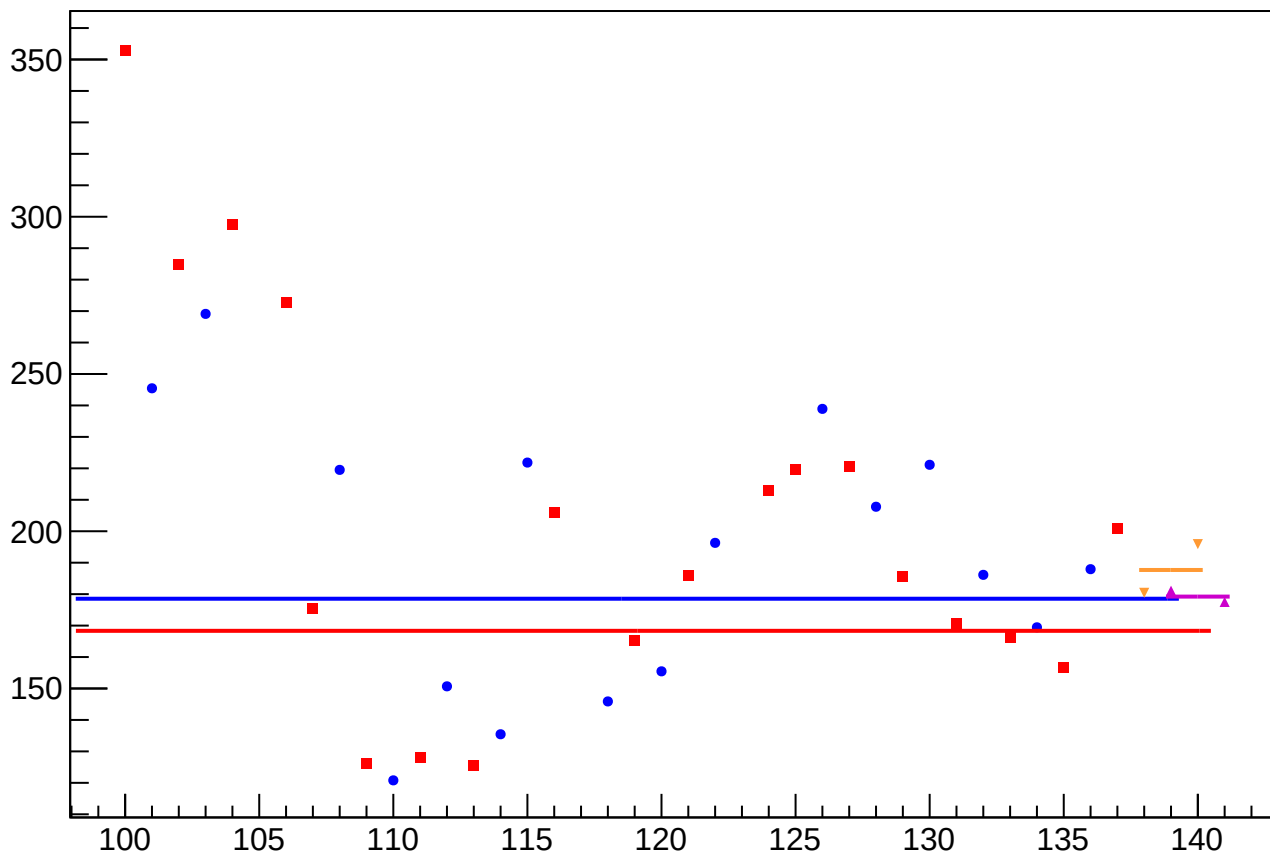
Left In: 10221.655 $\pm$ 137.394 χ^2 /NDF:420.1/1

+ sign 1650.336 $\pm$ 62.844 χ^2 /NDF: 6487.6/17

All: 2997.975 $\pm$ 42.876 χ^2 /NDF: 13201.8/38

- sign 4171.552 $\pm$ 58.646 χ^2 /NDF: 5853.9/20

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF : 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF : 5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF : 979485.9/18

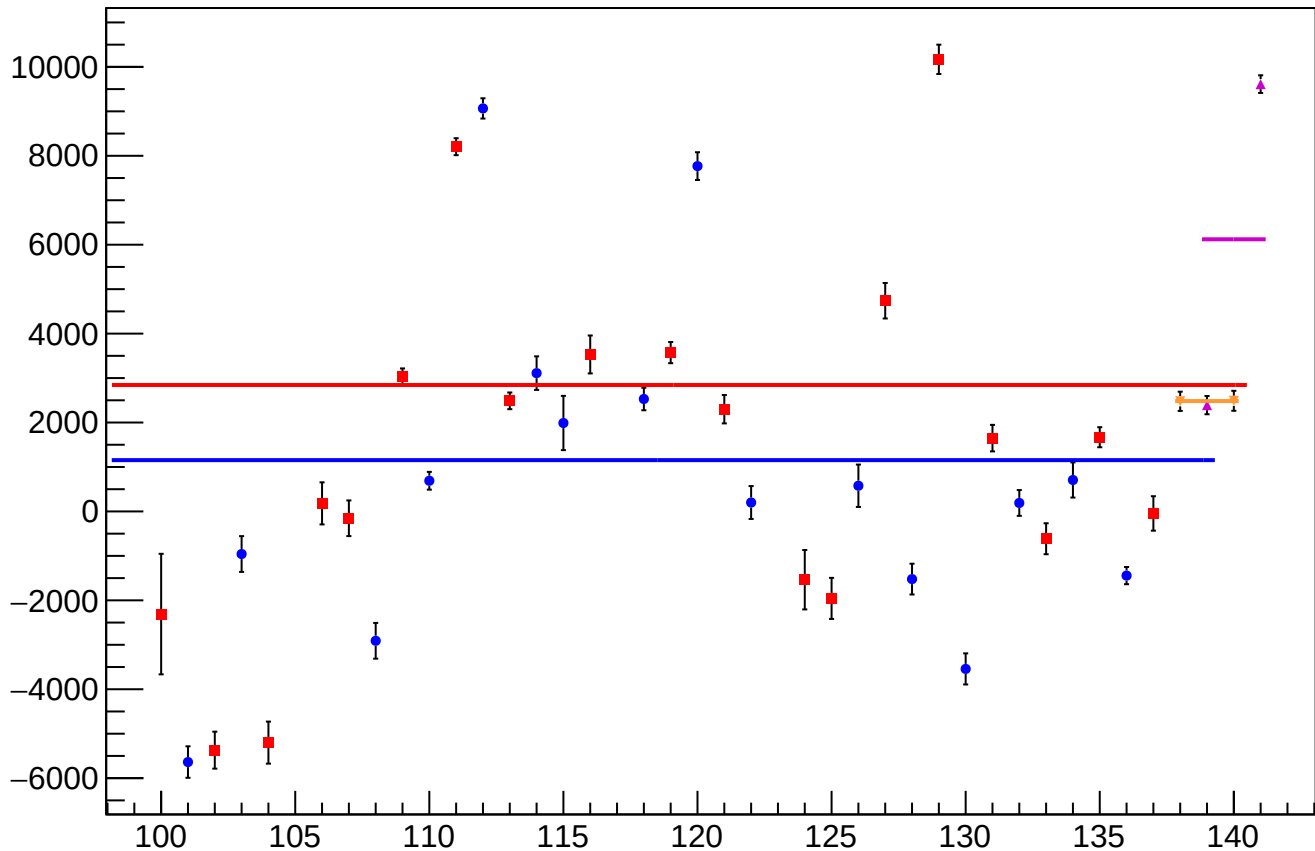
Left In: 179.221+/-0.097 χ^2/NDF : 336.9/1

+ sign 180.154+/-0.044 χ^2/NDF : 686046.2/17

All: 174.896+/-0.030 χ^2/NDF : 1702323.1/38

- sign 170.318+/-0.041 χ^2/NDF : 990090.5/20

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF : 0.0/1

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

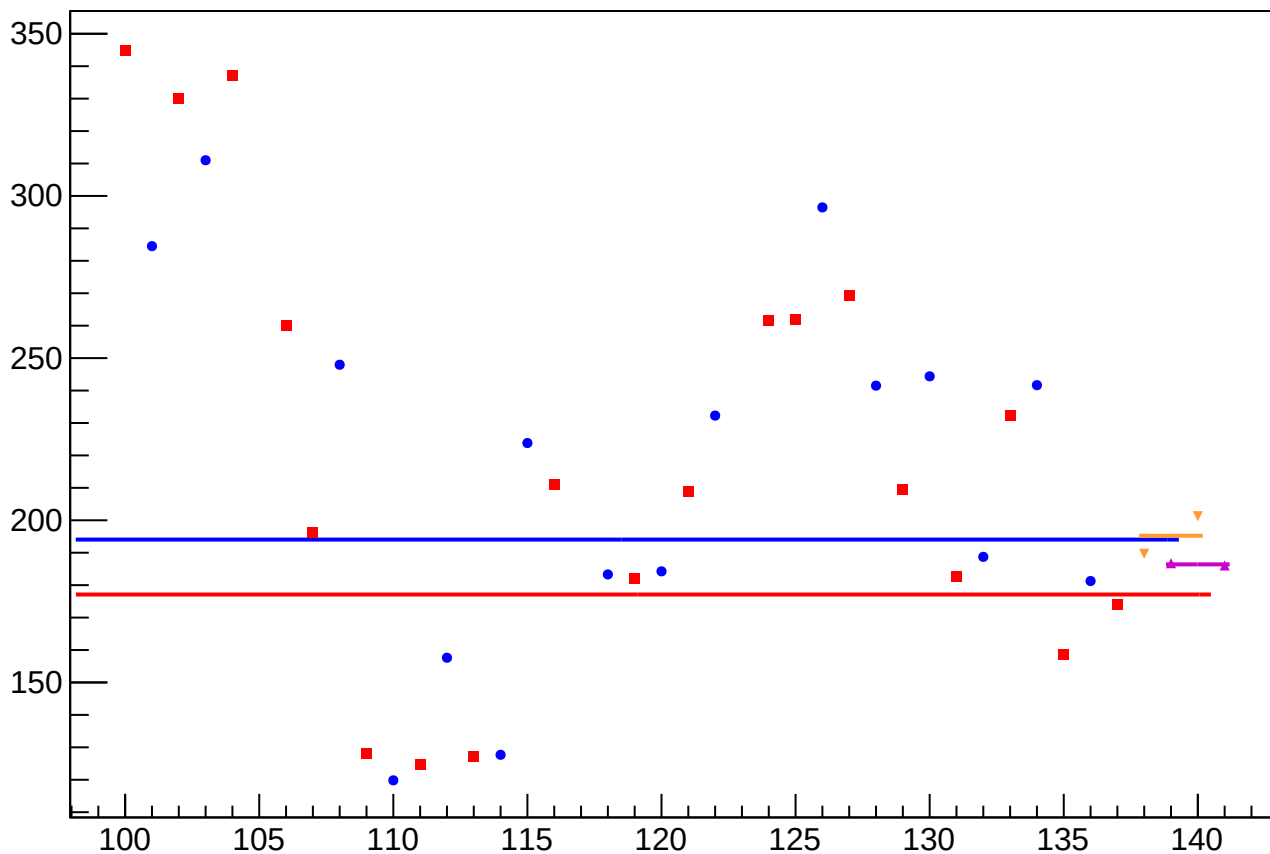
Left In: 6121.840+/-142.841 χ^2/NDF : 638.2/1

+ sign 1409.069+/-68.274 χ^2/NDF : 2714.1/17

All: 2532.613+/-45.993 χ^2/NDF : 6727.9/38

- sign 3466.094+/-62.232 χ^2/NDF : 3518.0/20

asym_bpm0i05WS_rms vs Slug



Right In: 194.053 ± 0.054 $\chi^2/\text{NDF}: 965786.1/15$

Left Out: 195.242 ± 0.110 $\chi^2/\text{NDF}: 2753.0/1$

Right Out: 177.115 ± 0.049 $\chi^2/\text{NDF}: 1359345.8/18$

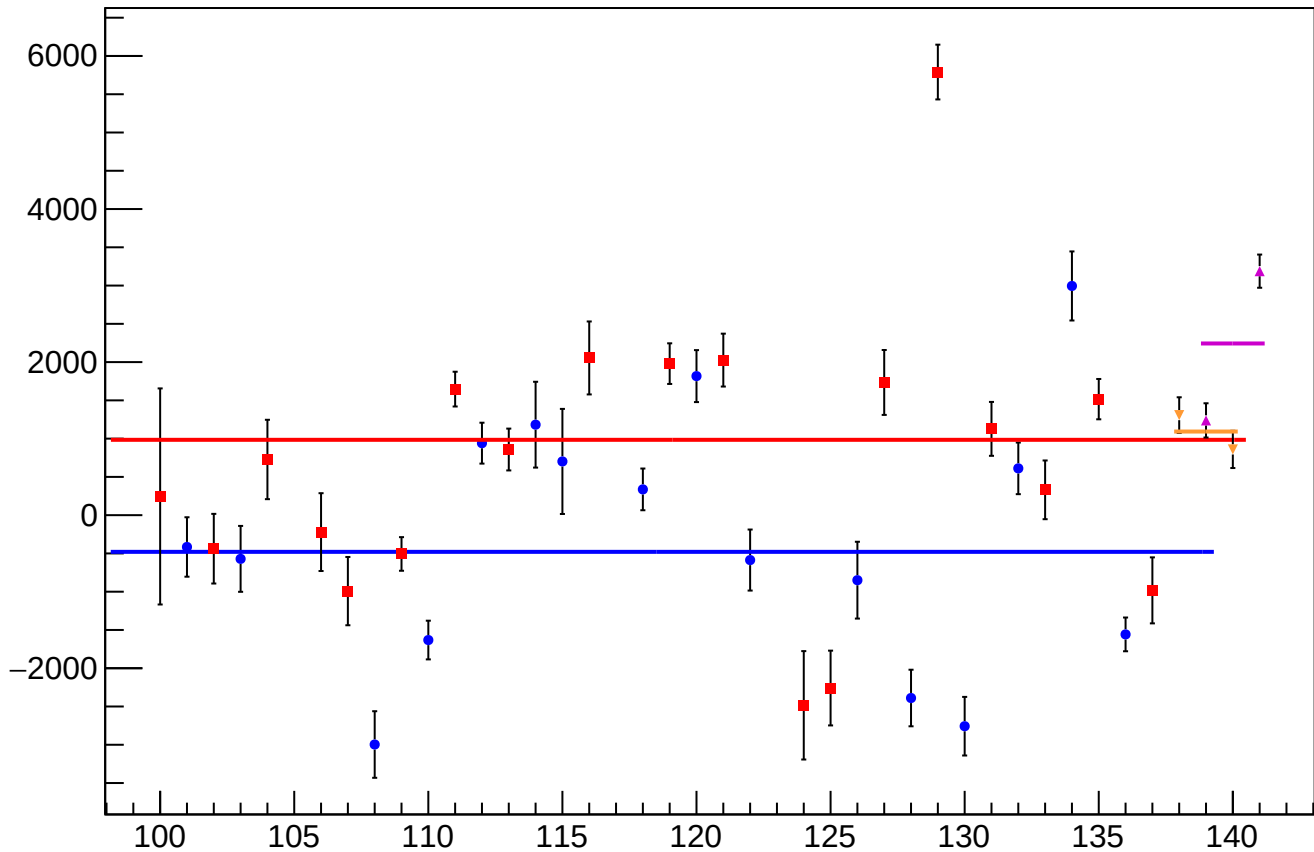
Left In: 186.407 ± 0.101 $\chi^2/\text{NDF}: 11.7/1$

+ sign 194.281 ± 0.048 $\chi^2/\text{NDF}: 968633.2/17$

All: 185.868 ± 0.033 $\chi^2/\text{NDF}: 2390444.0/38$

- sign 178.879 ± 0.044 $\chi^2/\text{NDF}: 1366214.5/20$

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

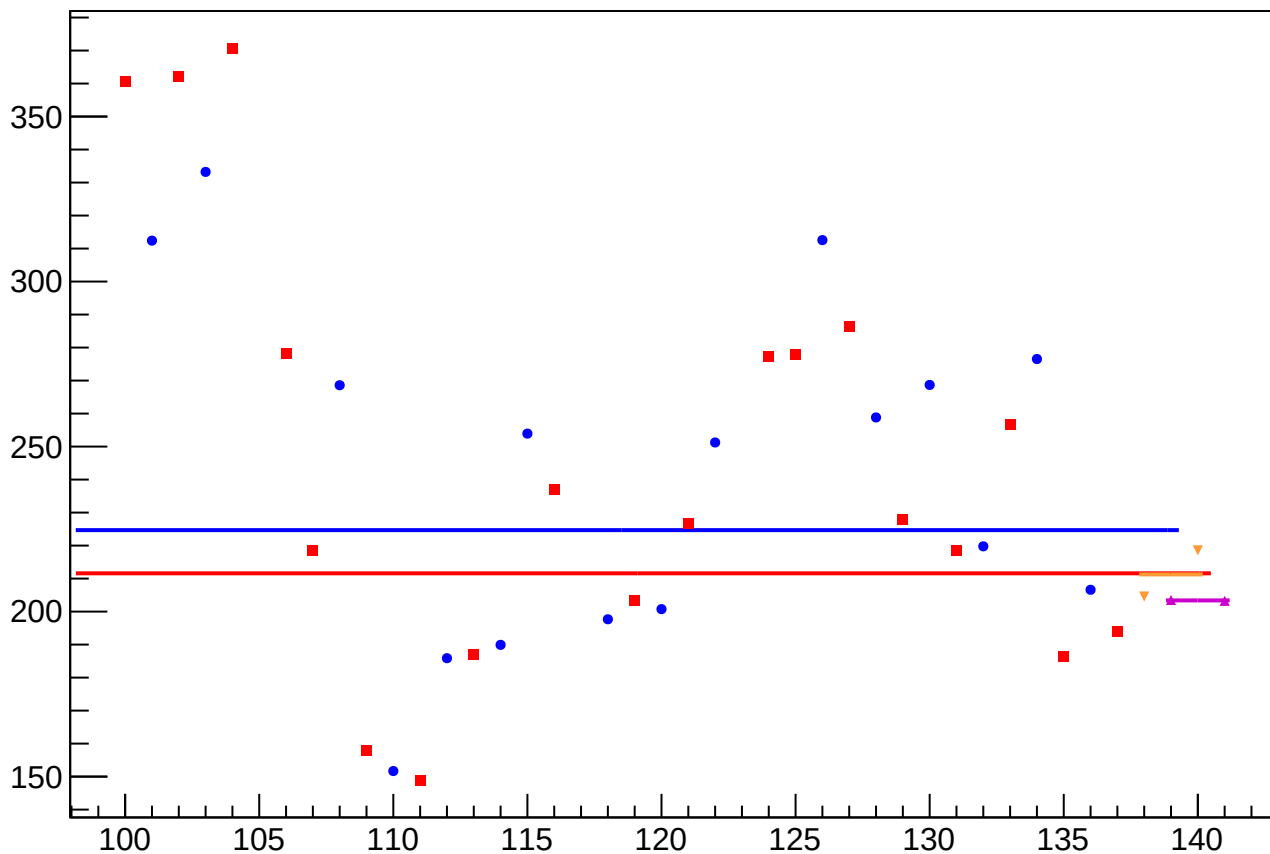
Left In: 2243.328 ± 155.681 χ^2/NDF : 39.2/1

+ sign -149.670 ± 77.063 χ^2/NDF : 376.2/17

All: 600.692 ± 52.539 χ^2/NDF : 1042.1/38

- sign 1252.390 ± 71.818 χ^2/NDF : 488.8/20

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

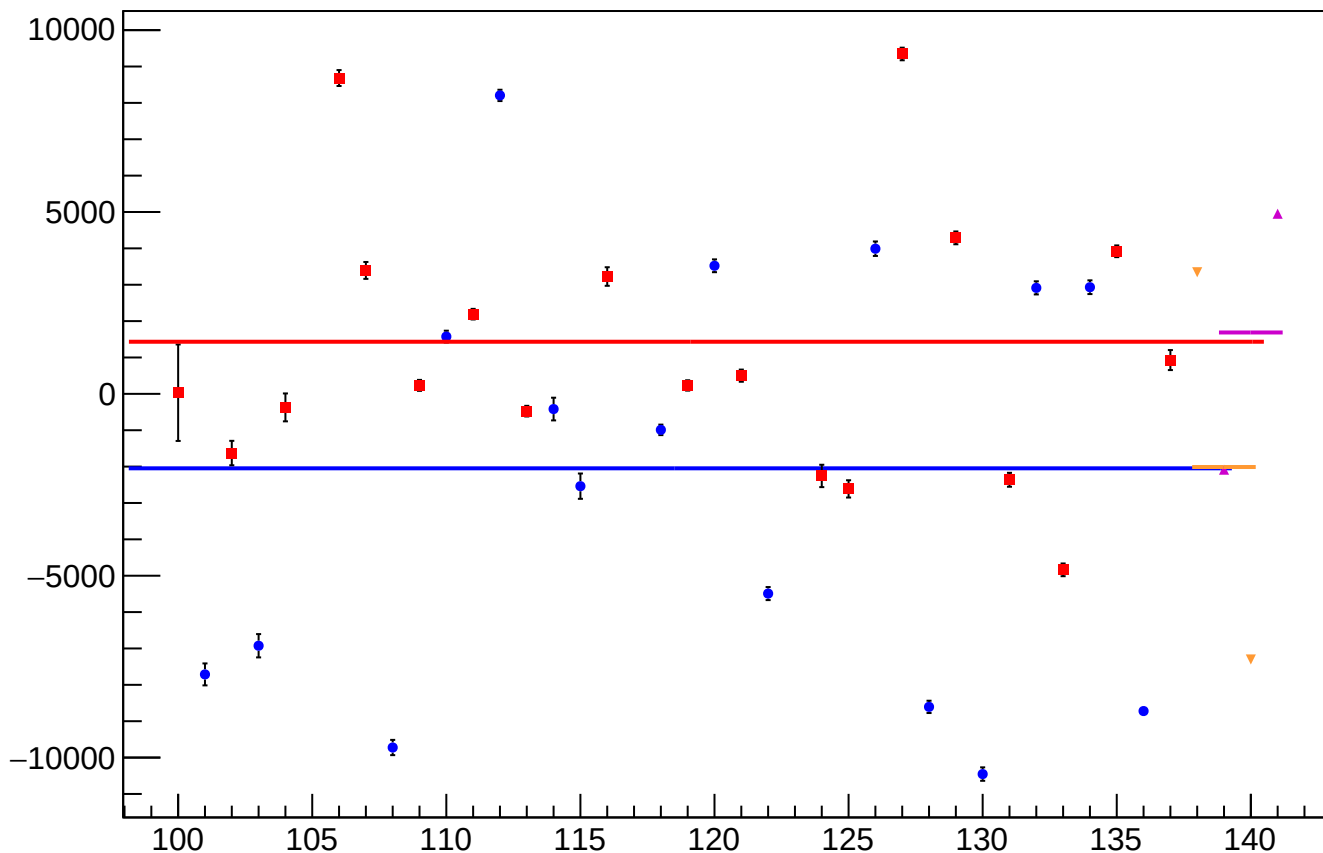
Left In: 203.386 $\pm$ 0.110 χ^2 /NDF:1.4/1

+ sign 221.869 $\pm$ 0.054 χ^2 /NDF: 666692.6/17

All: 215.436 $\pm$ 0.037 χ^2 /NDF: 1630020.1/38

- sign 209.848 $\pm$ 0.051 χ^2 /NDF: 937281.7/20

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 $\chi^2/\text{NDF}: 6387.8/18$

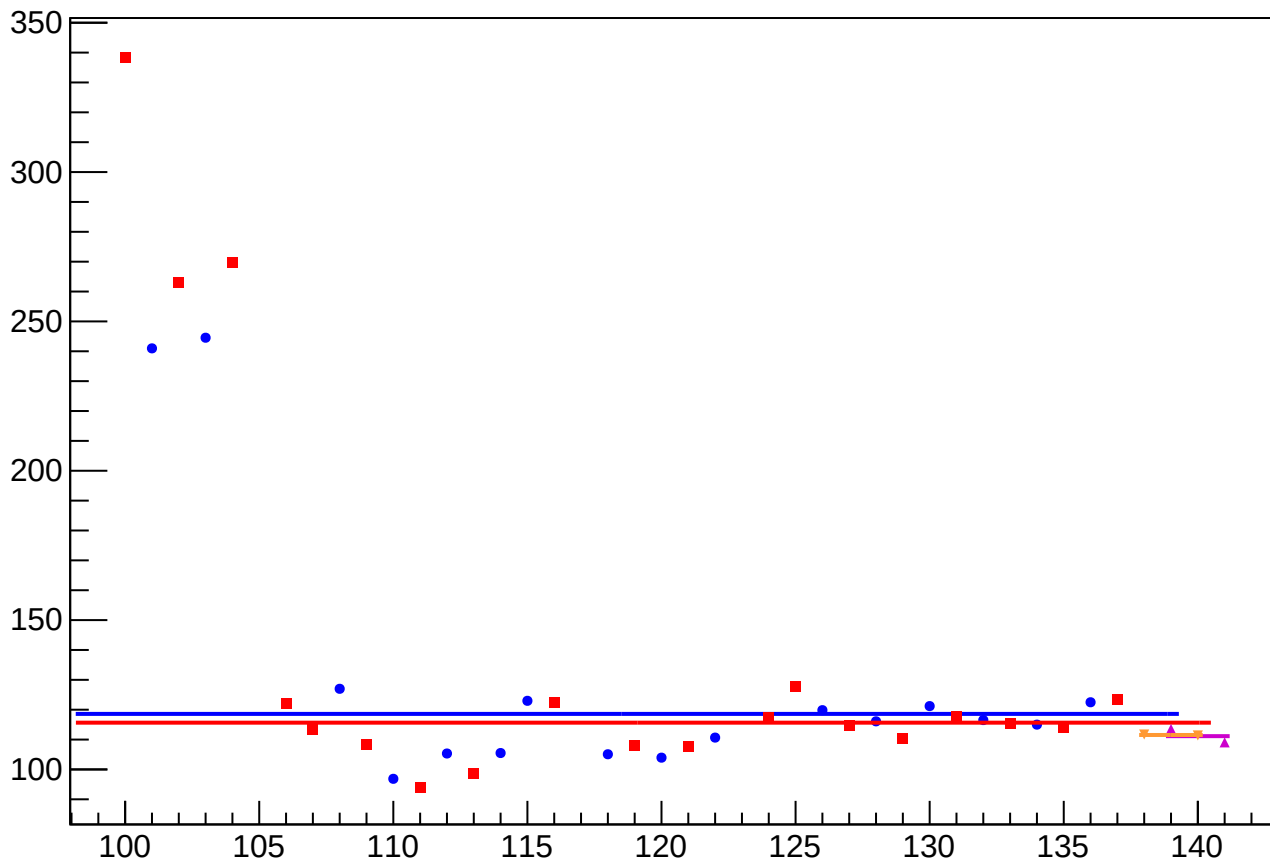
Left In: 1687.601 ± 86.208 $\chi^2/\text{NDF}: 1657.2/1$

+ sign -2039.646 ± 41.459 $\chi^2/\text{NDF}: 20214.2/17$

All: -200.110 ± 28.675 $\chi^2/\text{NDF}: 32040.3/38$

- sign 1486.931 ± 39.703 $\chi^2/\text{NDF}: 8051.8/20$

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

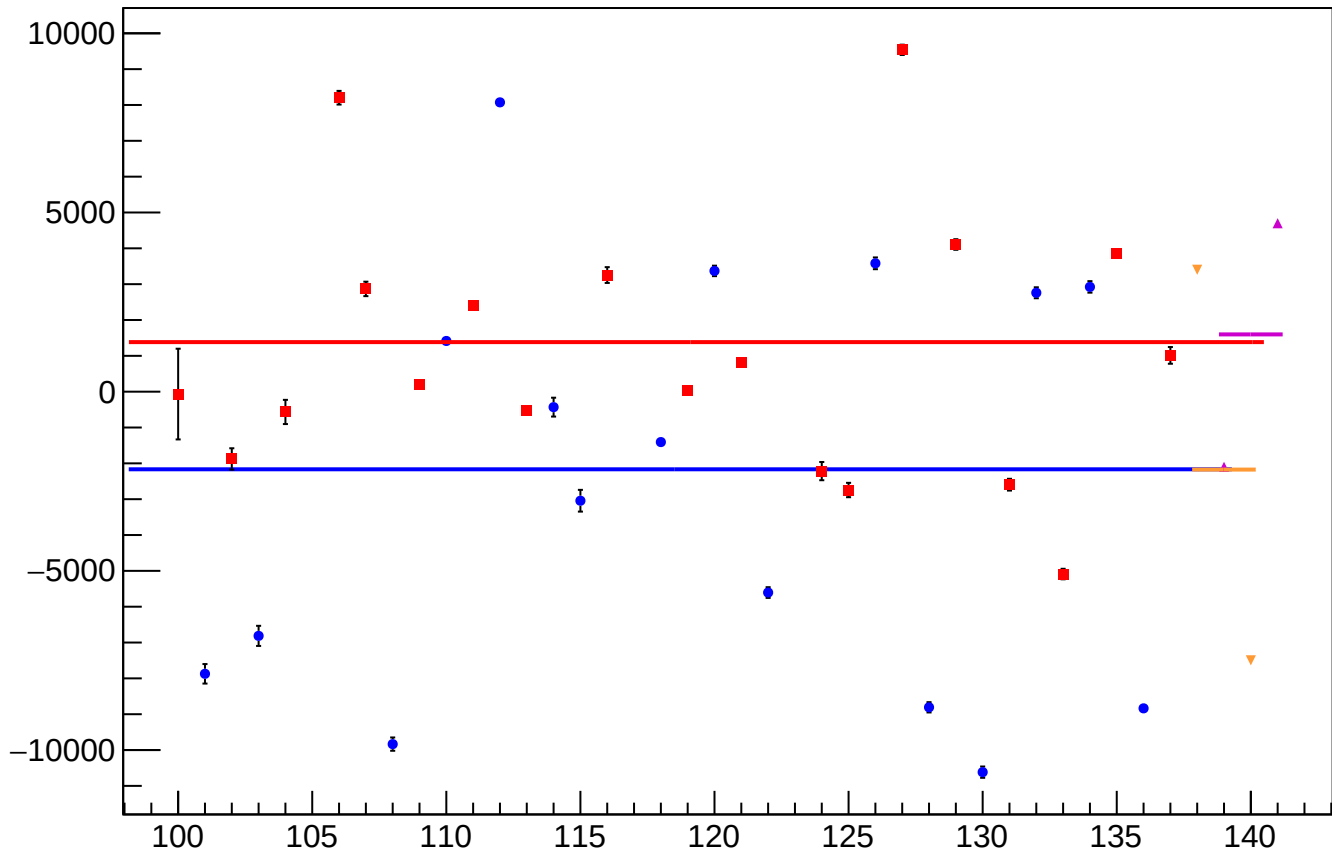
Left In: 111.146 ± 0.061 χ^2/NDF : 1344.8/1

+ sign 117.095 ± 0.029 χ^2/NDF : 743871.1/17

All: 115.847 ± 0.020 χ^2/NDF : 1617217.7/38

- sign 114.702 ± 0.028 χ^2/NDF : 869871.3/20

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 $\chi^2/\text{NDF}: 9148.6/18$

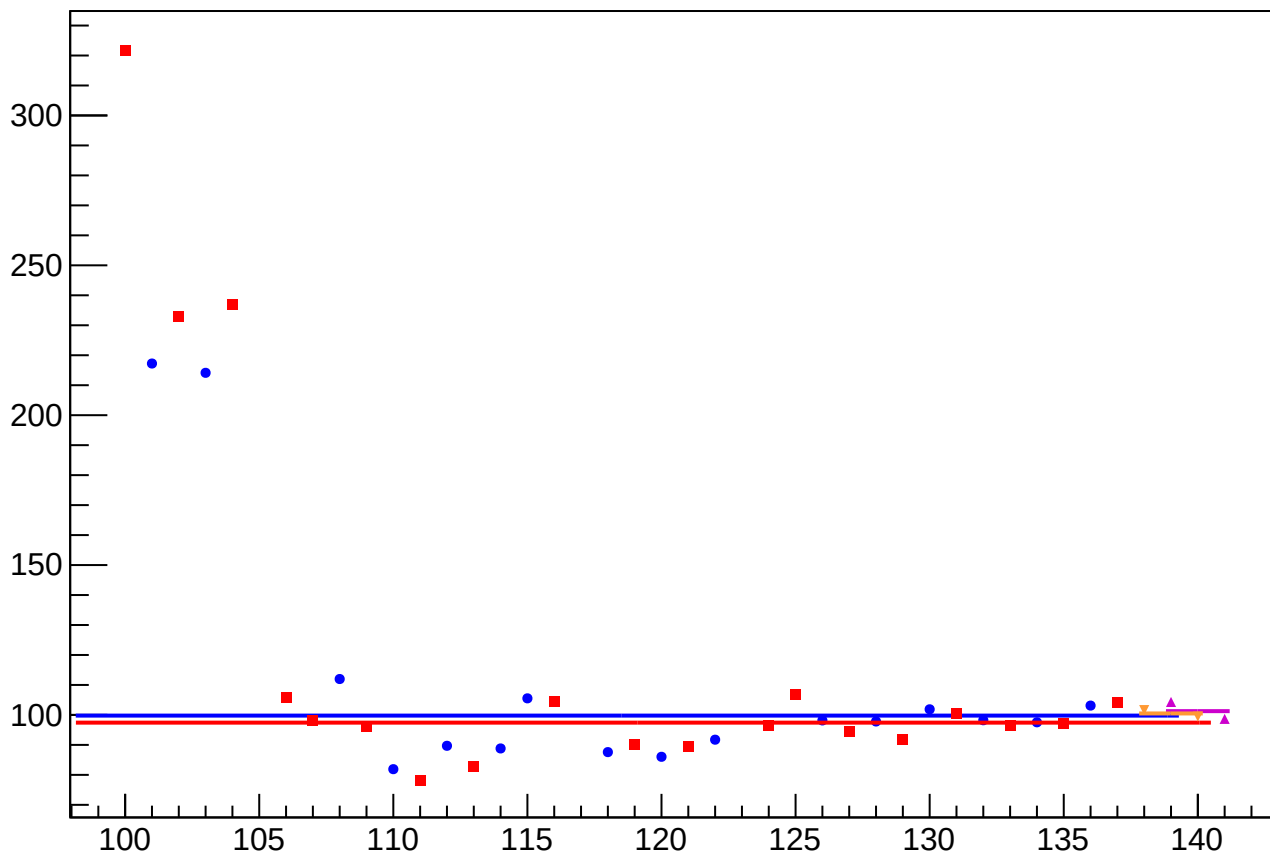
Left In: 1598.164 ± 78.658 $\chi^2/\text{NDF}: 1852.5/1$

+ sign -2167.409 ± 35.619 $\chi^2/\text{NDF}: 27372.4/17$

All: -298.786 ± 24.669 $\chi^2/\text{NDF}: 43668.7/38$

- sign 1423.756 ± 34.199 $\chi^2/\text{NDF}: 11007.2/20$

asym_bpm1i04WS_rms vs Slug



Right In: 99.775 ± 0.028 χ^2/NDF : 809152.9/15

Left Out: 100.490 ± 0.057 χ^2/NDF : 359.6/1

Right Out: 97.428 ± 0.027 χ^2/NDF : 926047.7/18

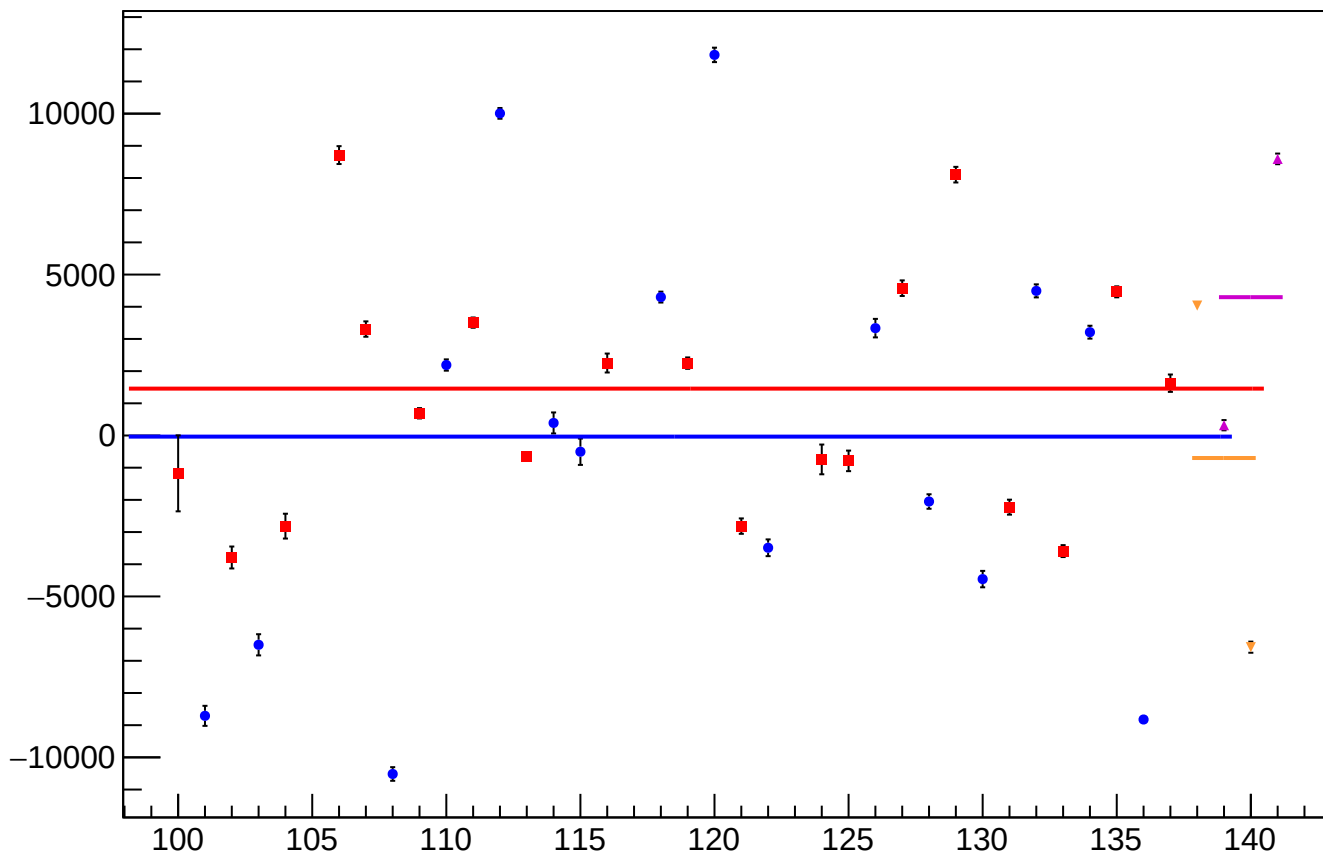
Left In: 101.262 ± 0.056 χ^2/NDF : 2555.3/1

+ sign 99.912 ± 0.025 χ^2/NDF : 809638.0/17

All: 98.996 ± 0.017 χ^2/NDF : 1744635.6/38

- sign 98.152 ± 0.024 χ^2/NDF : 932457.1/20

asym_bpm1i06WS_mean vs Slug



Right In: -34.667 ± 53.465 χ^2/NDF : 16802.8/15

Left Out: -699.300 ± 115.427 χ^2/NDF : 2089.2/1

Right Out: 1456.665 ± 51.946 χ^2/NDF : 4117.0/18

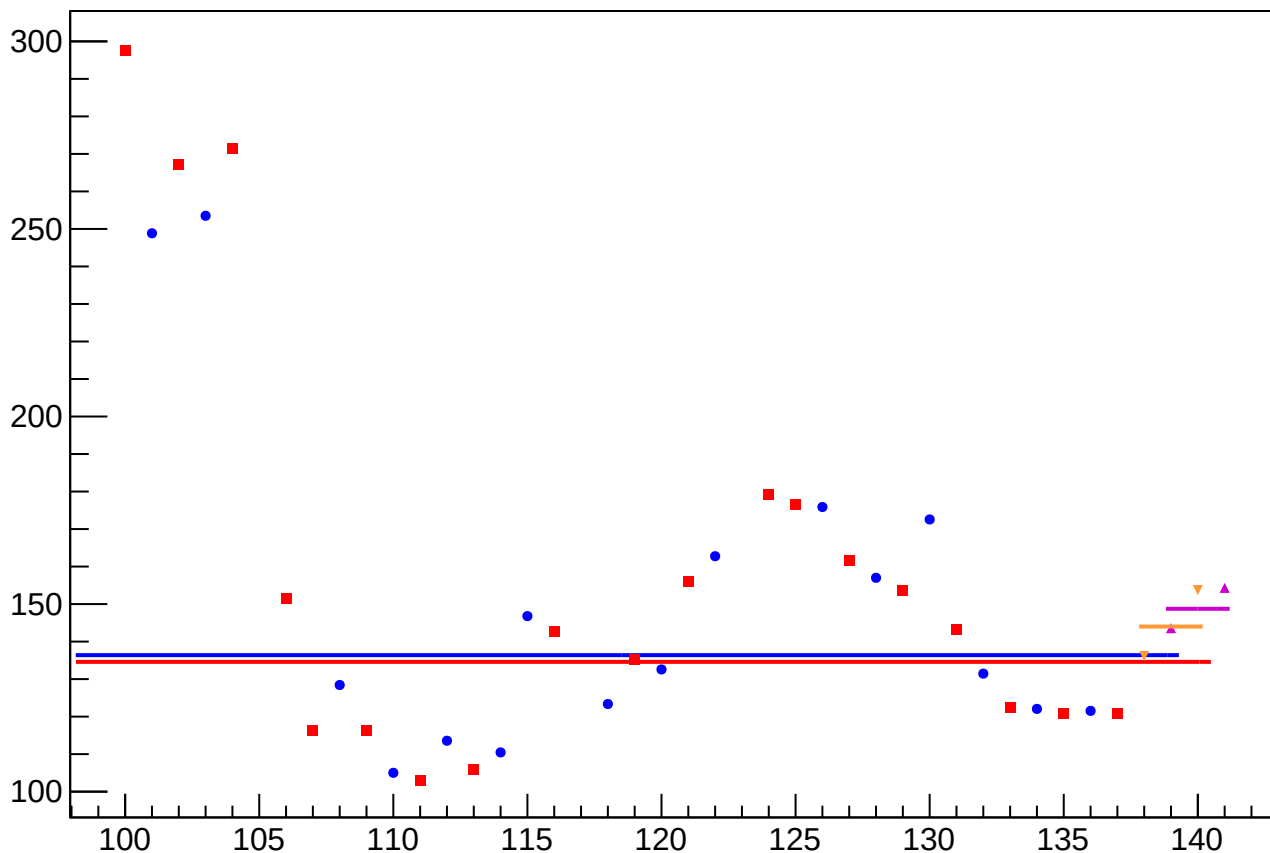
Left In: 4297.752 ± 114.633 χ^2/NDF : 1300.5/1

+ sign -152.074 ± 48.514 χ^2/NDF : 18919.3/17

All: 920.485 ± 33.872 χ^2/NDF : 25800.1/38

- sign 1940.676 ± 47.315 χ^2/NDF : 5927.1/20

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF : 796855.7/15

Left Out: 144.008+/-0.082 χ^2/NDF :11449.5/1

Right Out: 134.598+/-0.037 χ^2/NDF : 919605.2/18

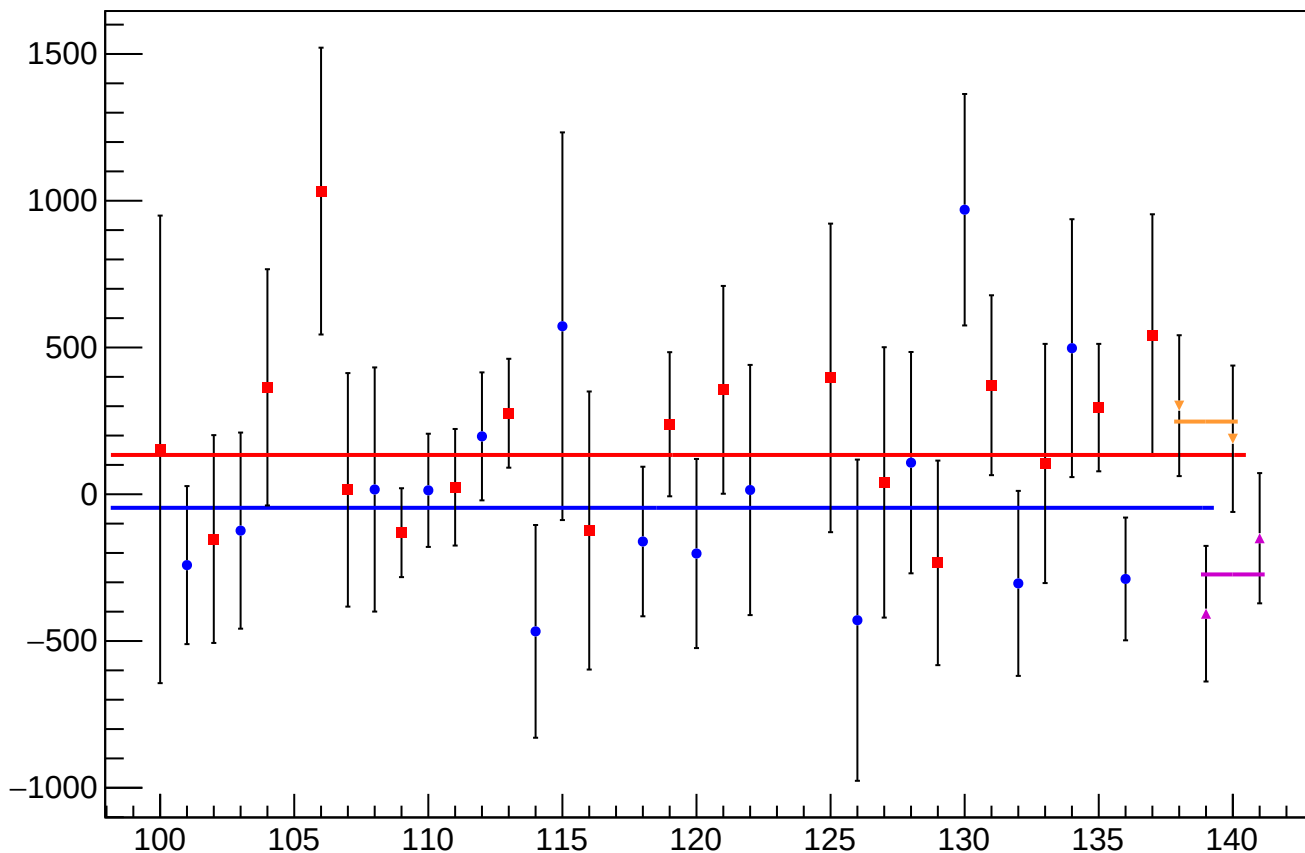
Left In: 148.740+/-0.081 χ^2/NDF :4398.4/1

+ sign 137.730+/-0.034 χ^2/NDF : 815491.0/17

All: 137.360+/-0.024 χ^2/NDF : 1764973.5/38

- sign 137.008+/-0.033 χ^2/NDF : 949255.0/20

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199 ± 76.283 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 247.638 ± 172.920 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 133.913 ± 68.414 $\chi^2/\text{NDF}: 12.8/17$

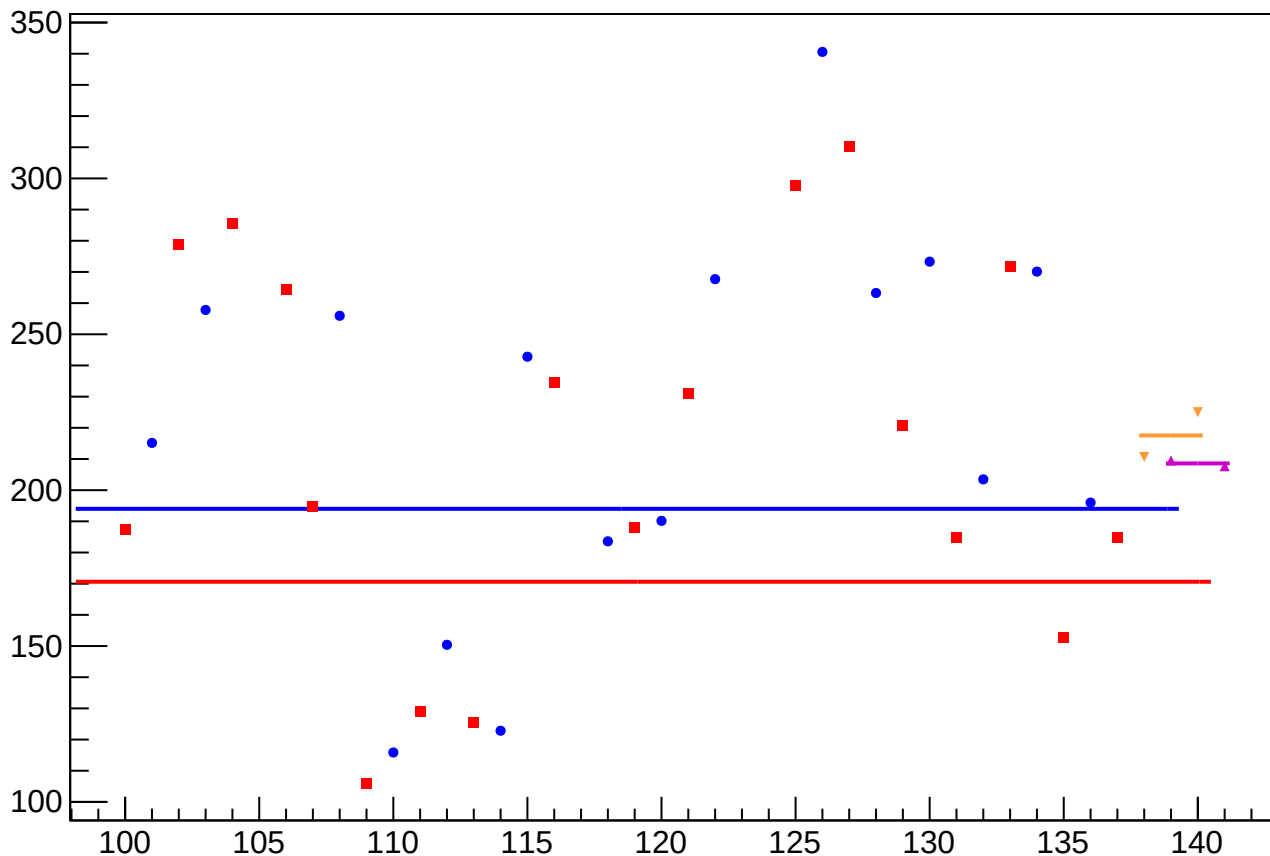
Left In: -273.160 ± 160.024 $\chi^2/\text{NDF}: 0.6/1$

+ sign 1.669 ± 69.793 $\chi^2/\text{NDF}: 18.0/17$

All: 39.928 ± 46.727 $\chi^2/\text{NDF}: 37.5/37$

- sign 71.008 ± 62.906 $\chi^2/\text{NDF}: 18.9/19$

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

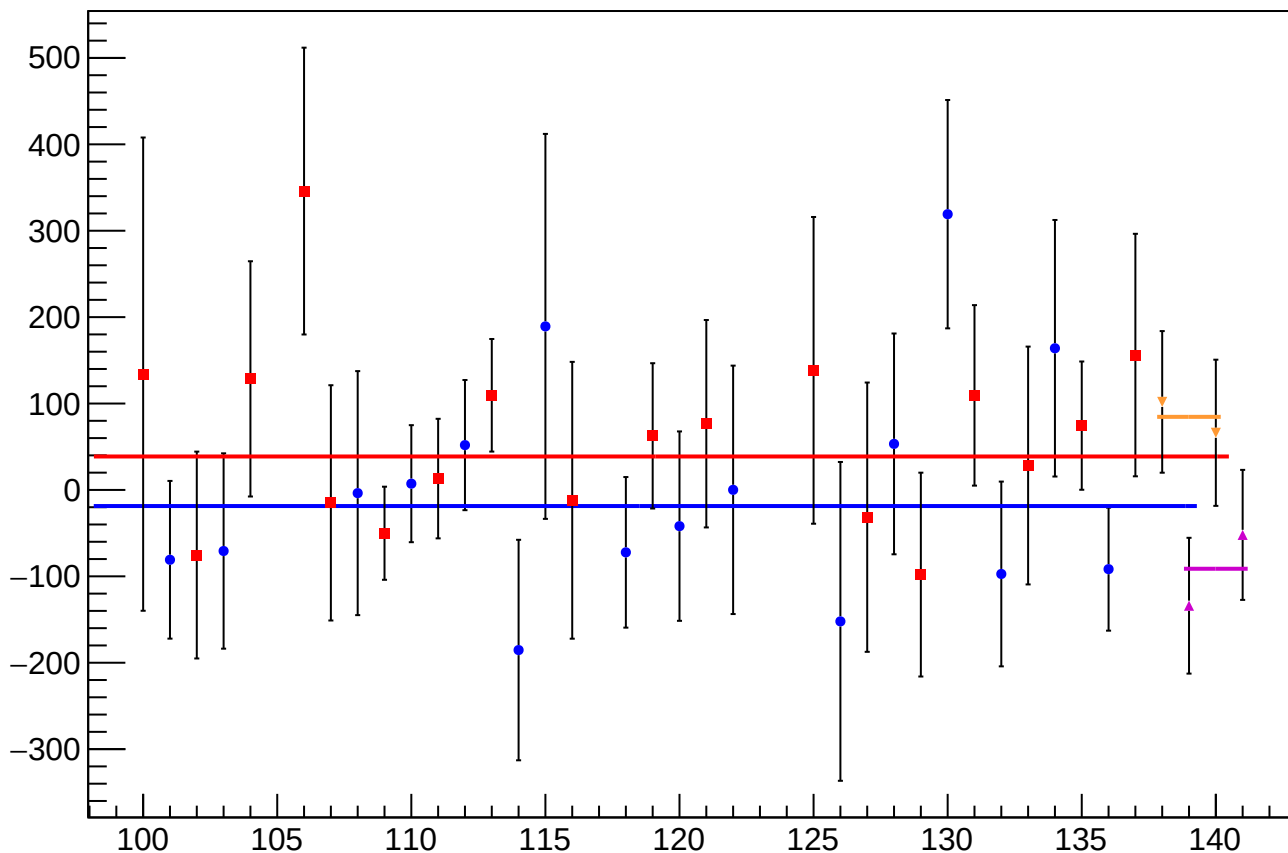
Left In: 208.576 $\pm$ 0.113 χ^2 /NDF:66.3/1

+ sign 197.851 $\pm$ 0.049 χ^2 /NDF: 1078041.4/17

All: 186.064 $\pm$ 0.033 χ^2 /NDF: 2870338.7/37

- sign 176.488 $\pm$ 0.044 χ^2 /NDF: 1688912.8/19

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645 ± 26.122 $\chi^2/\text{NDF}: 15.2/15$

Left Out: 84.590 ± 58.863 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 38.716 ± 23.652 $\chi^2/\text{NDF}: 12.6/17$

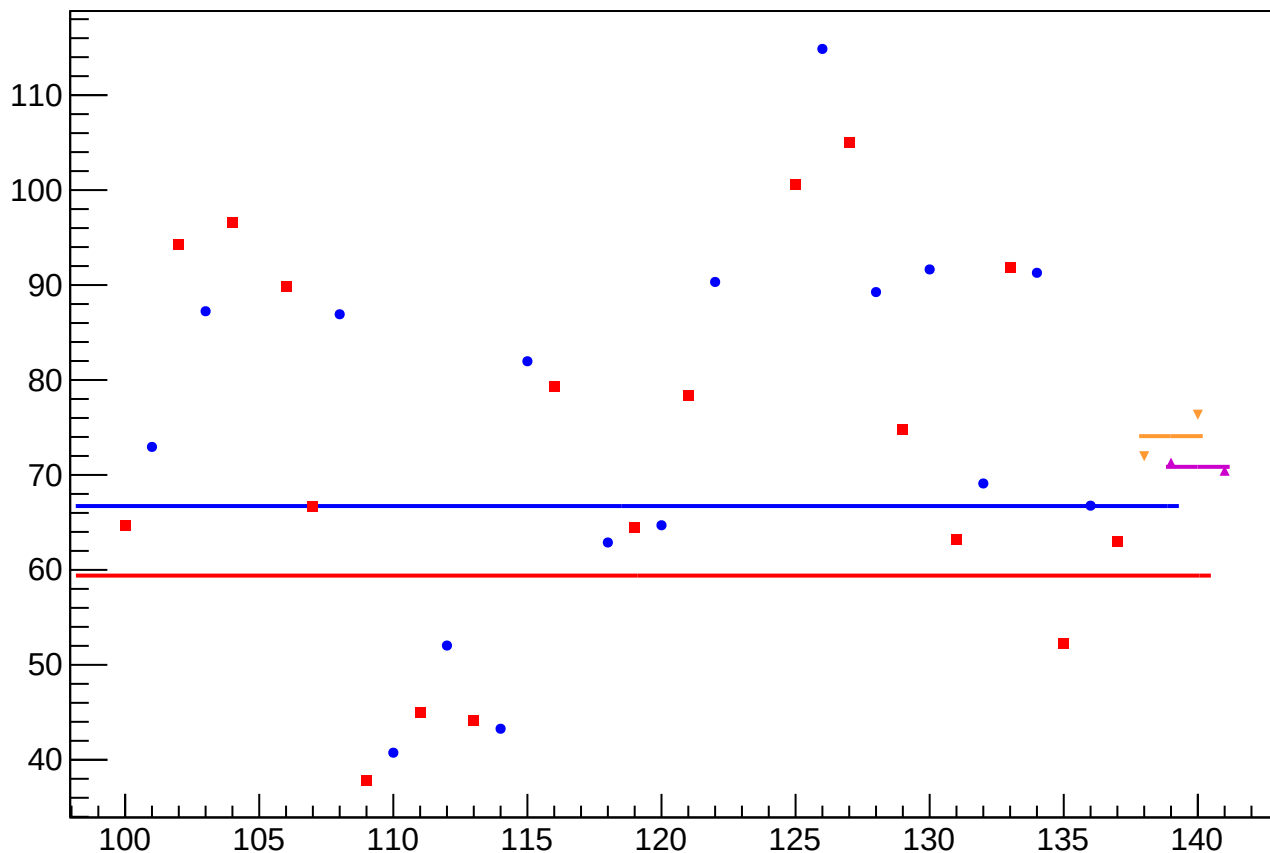
Left In: -91.233 ± 54.348 $\chi^2/\text{NDF}: 0.6/1$

+ sign -1.658 ± 23.877 $\chi^2/\text{NDF}: 17.9/17$

All: 9.126 ± 16.054 $\chi^2/\text{NDF}: 36.2/37$

- sign 18.024 ± 21.687 $\chi^2/\text{NDF}: 18.0/19$

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

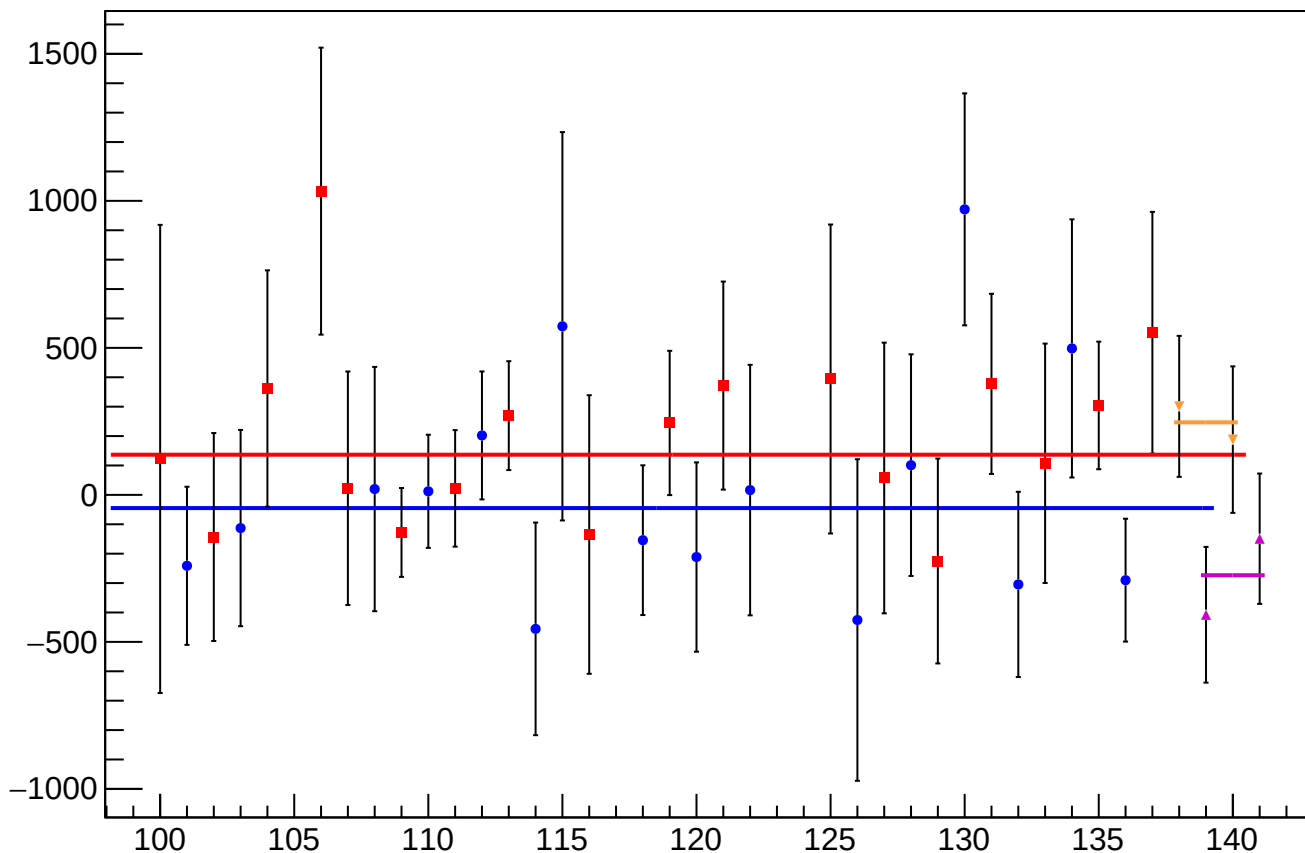
Left In: 70.854 $\pm$ 0.038 χ^2 /NDF: 123.0/1

+ sign 67.936 $\pm$ 0.017 χ^2 /NDF: 975929.2/17

All: 64.258 $\pm$ 0.011 χ^2 /NDF: 2582682.0/37

- sign 61.224 $\pm$ 0.015 χ^2 /NDF: 1520170.6/19

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 $\chi^2/\text{NDF}: 12.9/17$

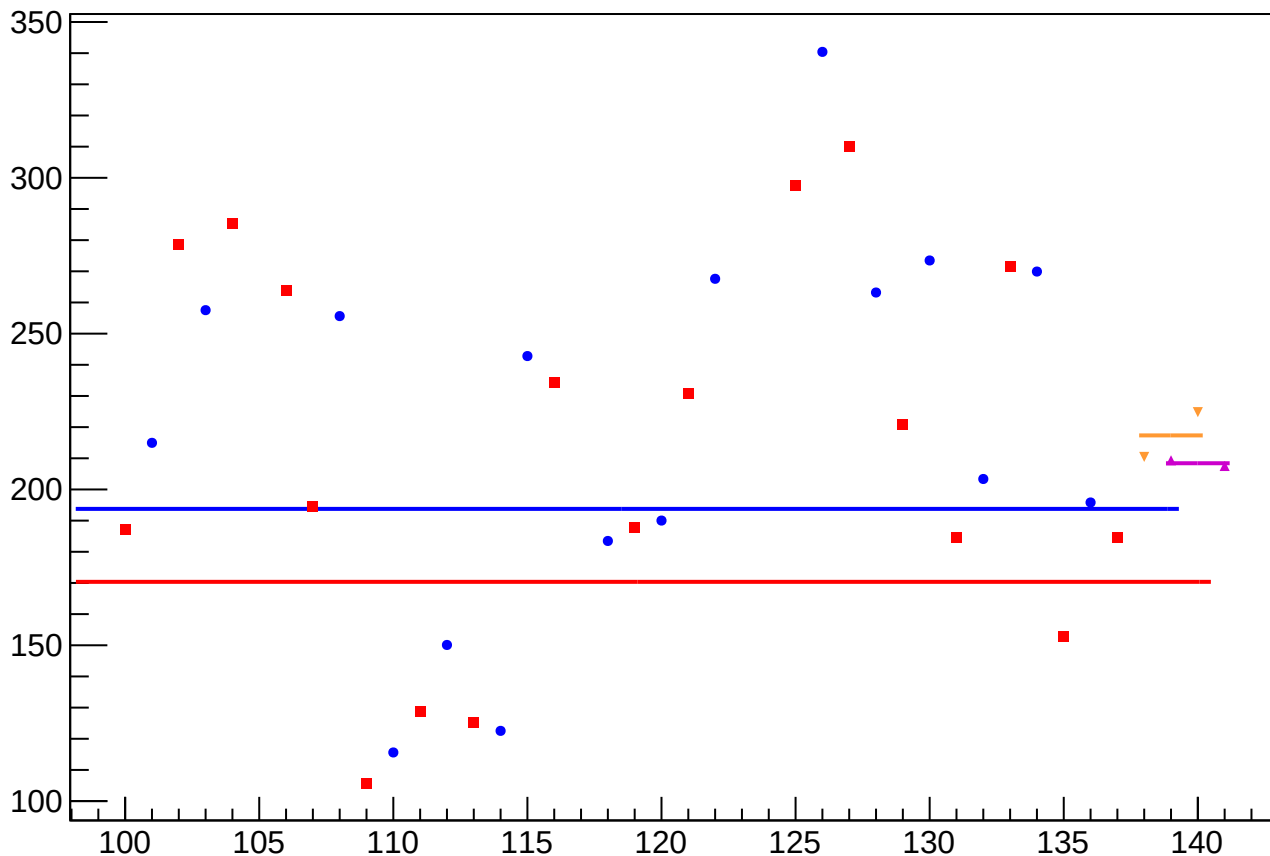
Left In: -273.267 ± 159.901 $\chi^2/\text{NDF}: 0.7/1$

+ sign 2.571 ± 69.718 $\chi^2/\text{NDF}: 18.0/17$

All: 41.605 ± 46.672 $\chi^2/\text{NDF}: 37.6/37$

- sign 73.306 ± 62.828 $\chi^2/\text{NDF}: 19.1/19$

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

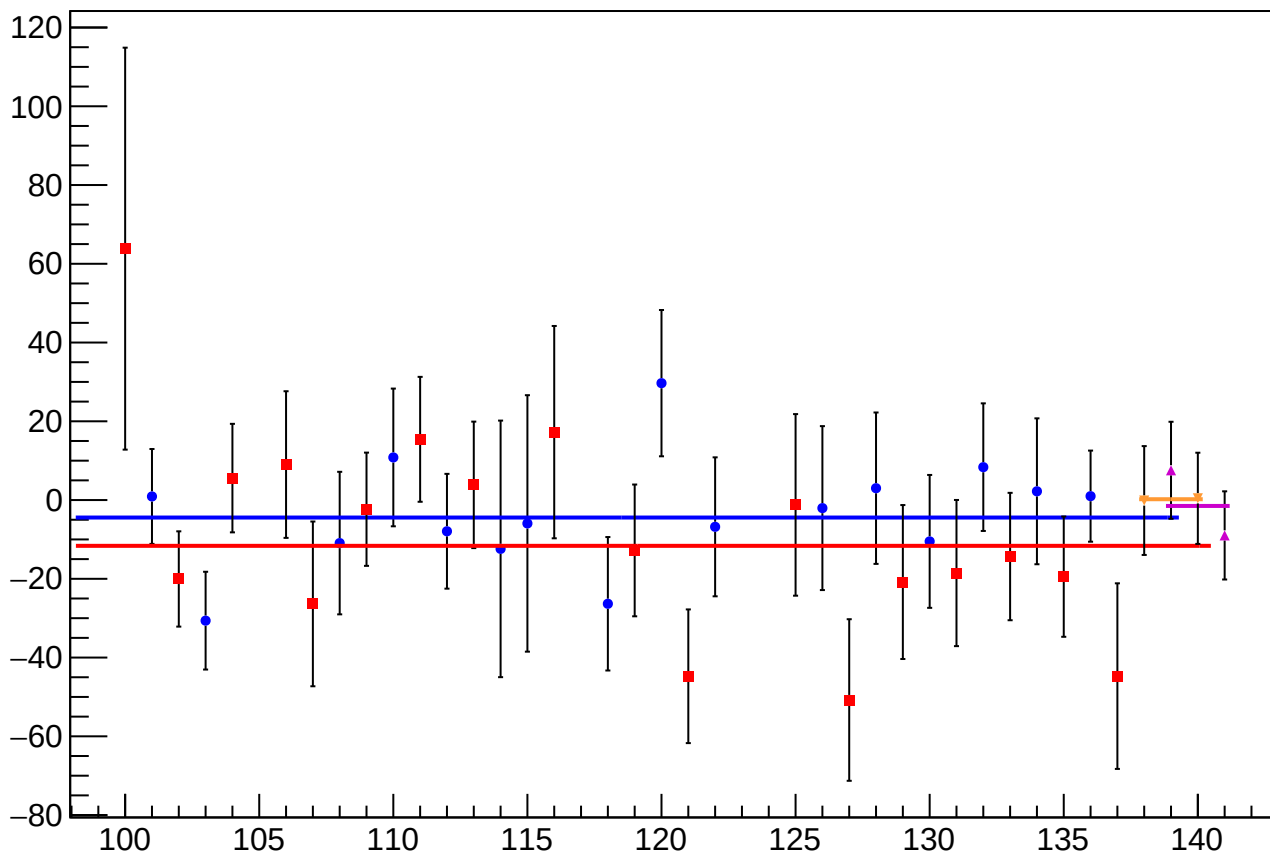
Left In: 208.414 $\pm$ 0.113 χ^2 /NDF:64.8/1

+ sign 197.608 $\pm$ 0.049 χ^2 /NDF: 1082735.2/17

All: 185.812 $\pm$ 0.033 χ^2 /NDF: 2881370.1/37

- sign 176.233 $\pm$ 0.044 χ^2 /NDF: 1694889.4/19

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440 ± 4.131 χ^2/NDF : 12.0/15

Left Out: 0.210 ± 8.875 χ^2/NDF : 0.0/1

Right Out: -11.627 ± 4.137 χ^2/NDF : 21.6/17

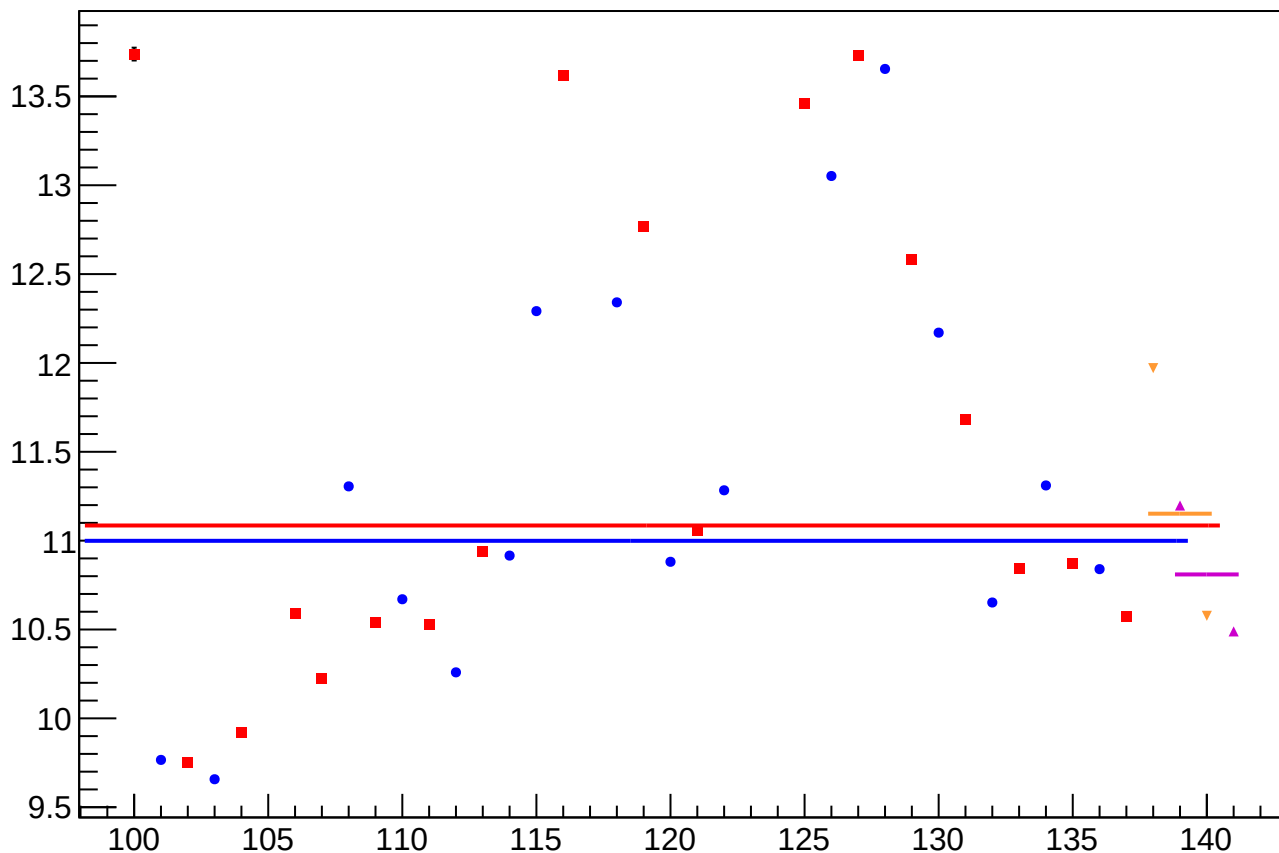
Left In: -1.496 ± 8.286 χ^2/NDF : 1.0/1

+ sign -3.612 ± 3.745 χ^2/NDF : 12.2/17

All: -6.644 ± 2.632 χ^2/NDF : 37.3/37

- sign -9.606 ± 3.701 χ^2/NDF : 23.8/19

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999 $\pm$ 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

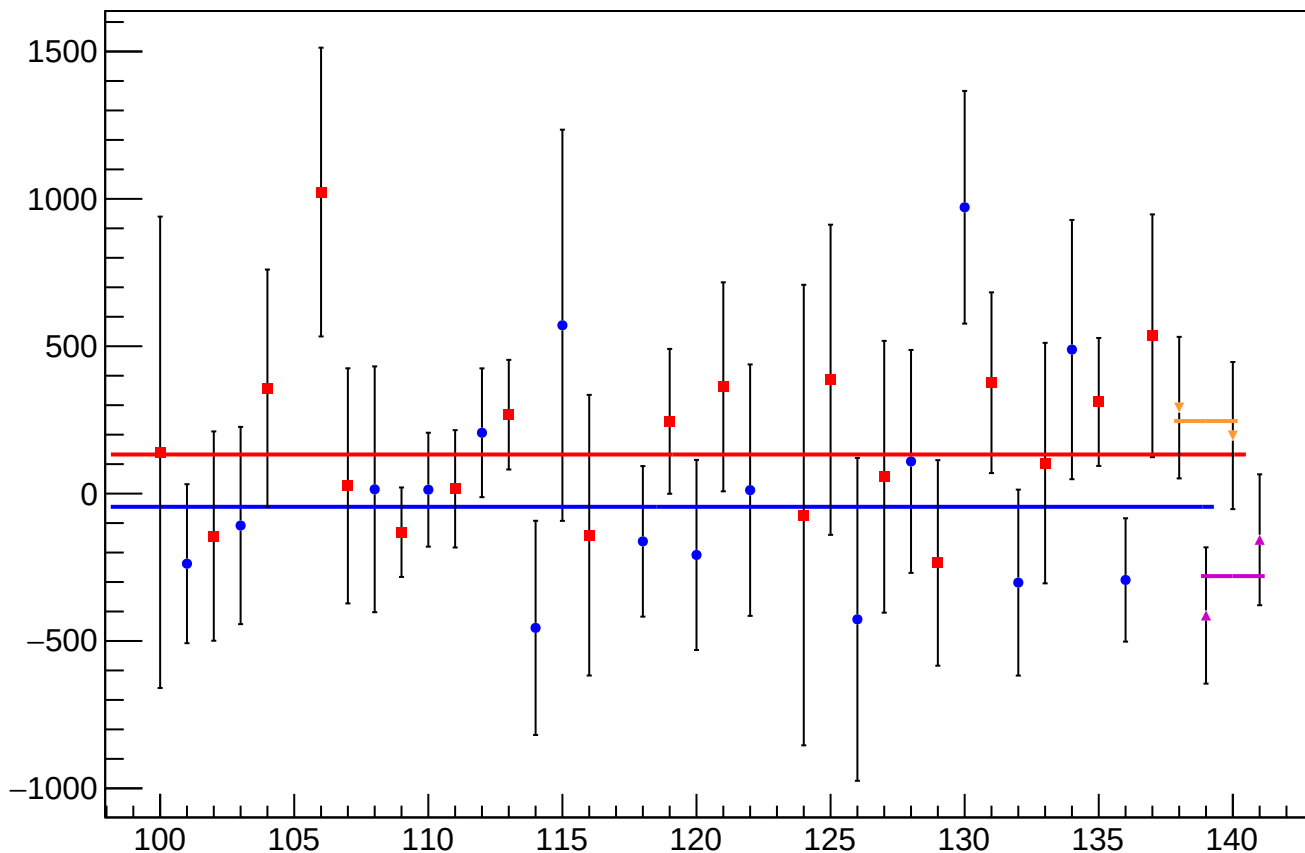
Left In: 10.810 $\pm$ 0.006 χ^2 /NDF: 3622.0/1

+ sign 11.026 $\pm$ 0.003 χ^2 /NDF: 148598.1/17

All: 11.028 $\pm$ 0.002 χ^2 /NDF: 316194.4/37

- sign 11.030 $\pm$ 0.003 χ^2 /NDF: 167595.0/19

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 $\chi^2/\text{NDF}: 12.9/18$

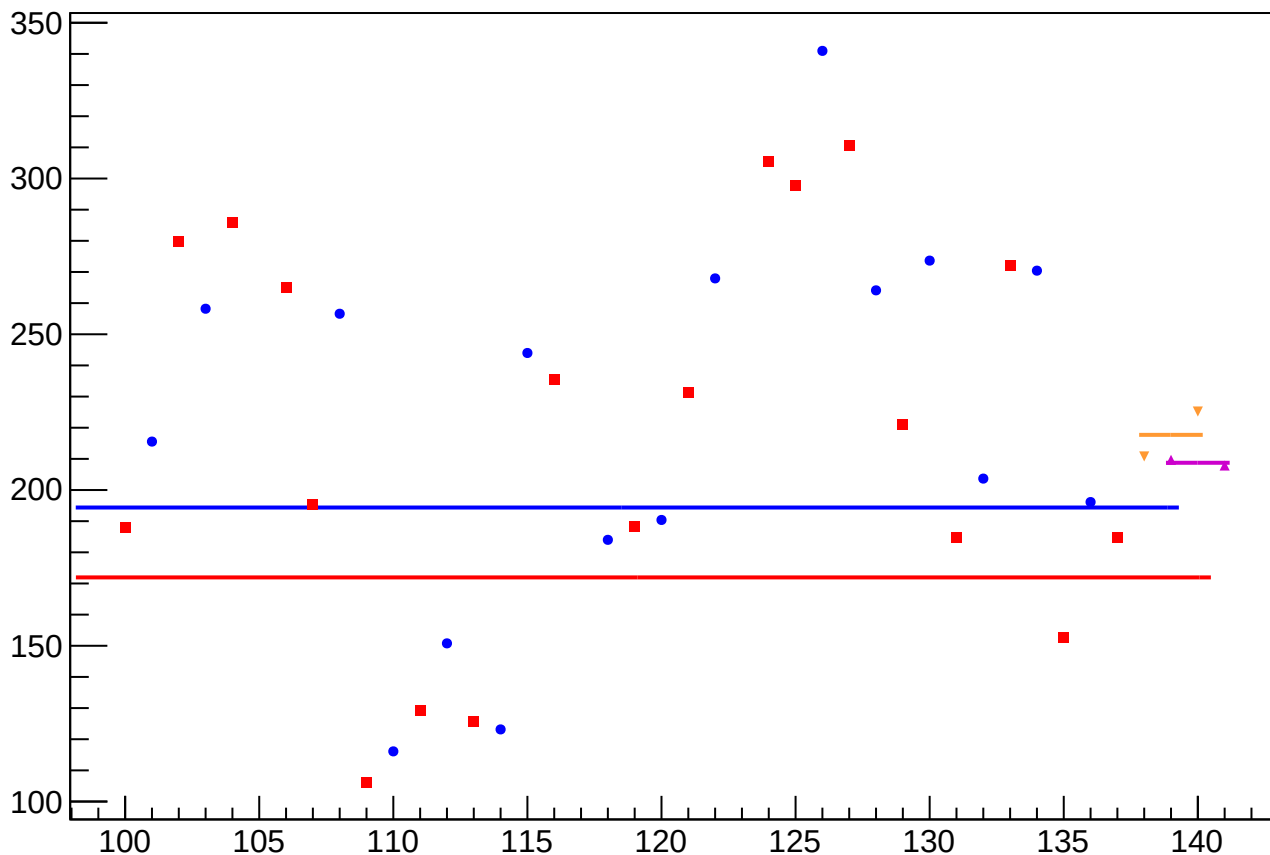
Left In: -279.905 ± 160.159 $\chi^2/\text{NDF}: 0.6/1$

+ sign 2.682 ± 69.909 $\chi^2/\text{NDF}: 17.9/17$

All: 39.539 ± 46.719 $\chi^2/\text{NDF}: 37.5/38$

- sign 69.283 ± 62.802 $\chi^2/\text{NDF}: 19.1/20$

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF : 1042024.1/15

Left Out: 217.710+/-0.122 χ^2/NDF : 3465.9/1

Right Out: 171.949+/-0.048 χ^2/NDF : 1651343.7/18

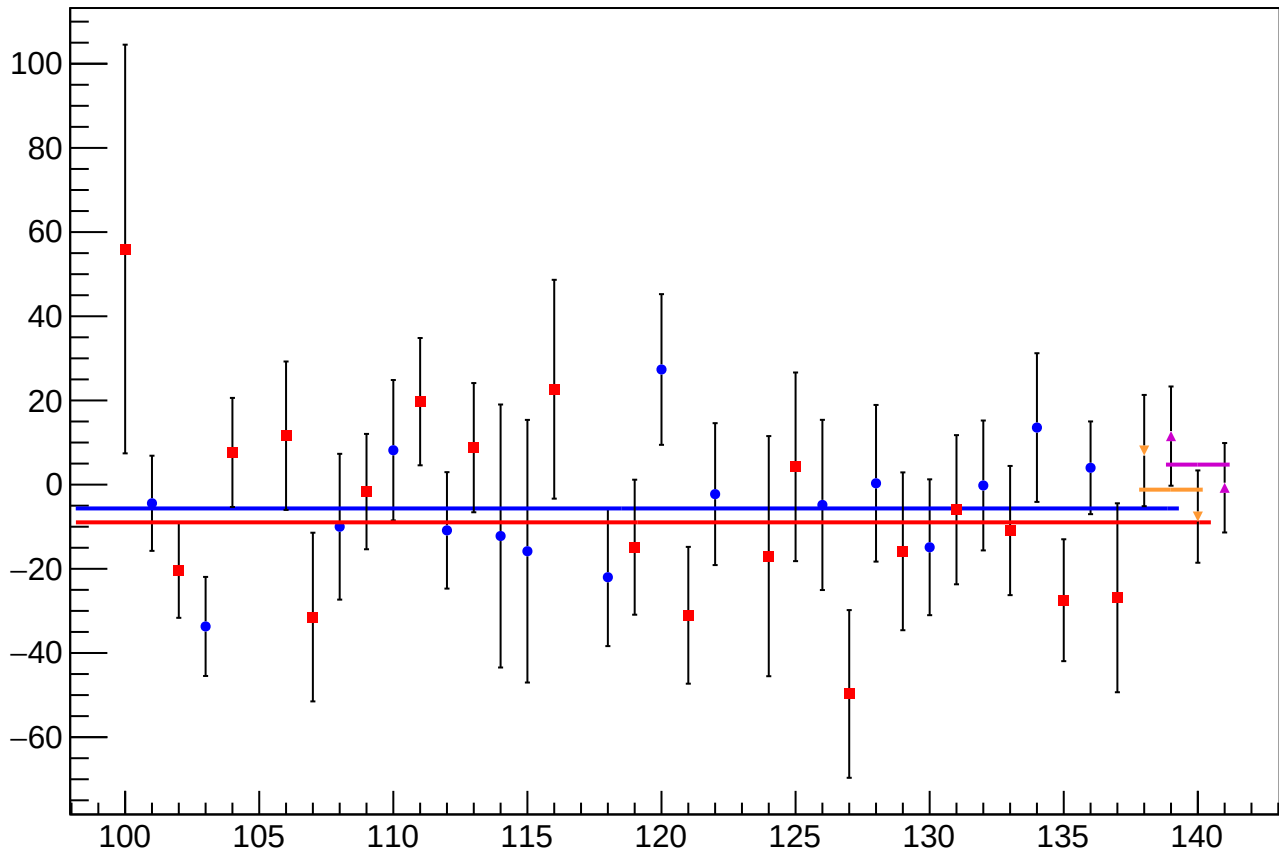
Left In: 208.750+/-0.113 χ^2/NDF : 65.1/1

+ sign 198.192+/-0.049 χ^2/NDF : 1075896.7/17

All: 186.800+/-0.033 χ^2/NDF : 2912622.8/38

- sign 177.607+/-0.044 χ^2/NDF : 1740767.9/20

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657 ± 3.939 χ^2/NDF : 13.7/15

Left Out: -1.195 ± 8.439 χ^2/NDF : 0.8/1

Right Out: -8.960 ± 3.901 χ^2/NDF : 22.8/18

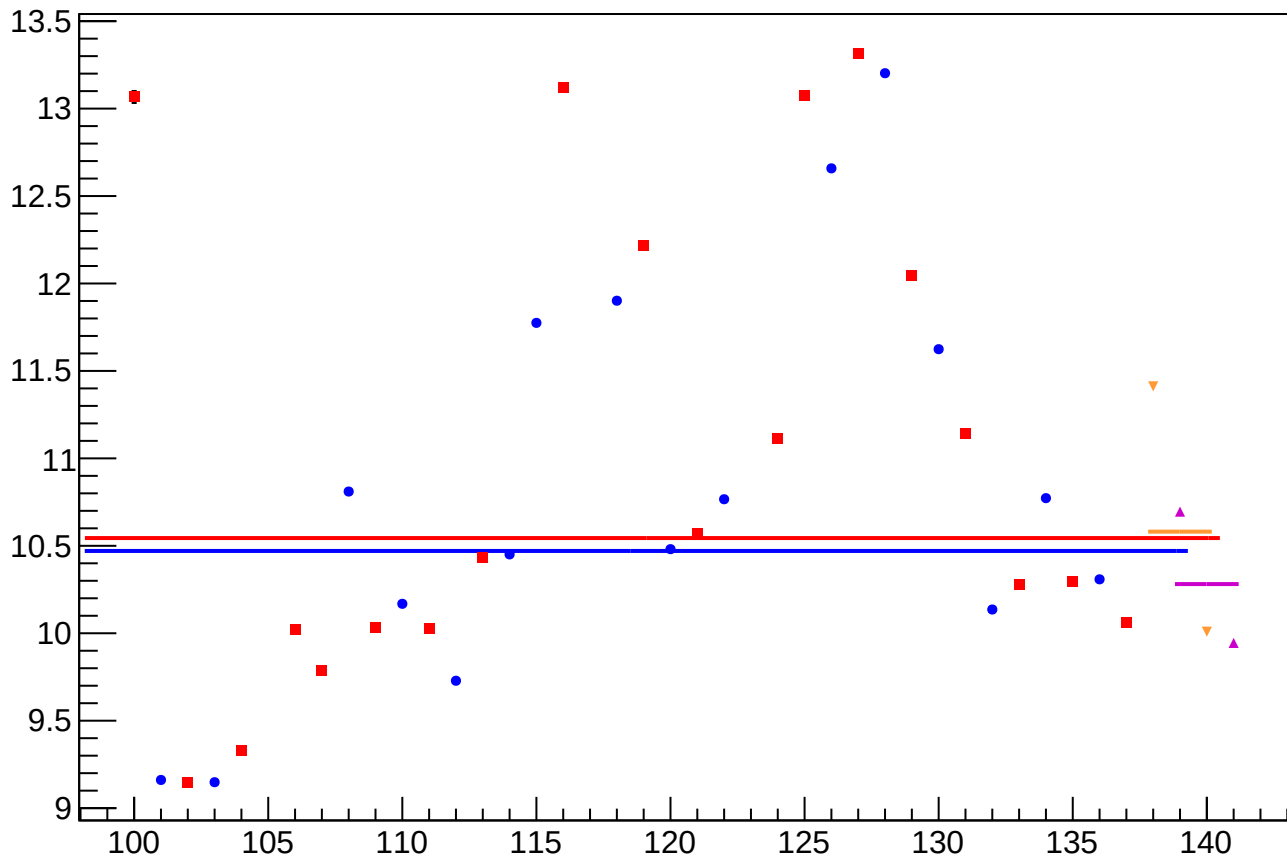
Left In: 4.757 ± 7.892 χ^2/NDF : 0.6/1

+ sign -4.859 ± 3.569 χ^2/NDF : 14.7/17

All: -5.577 ± 2.498 χ^2/NDF : 40.6/38

- sign -6.267 ± 3.497 χ^2/NDF : 25.8/20

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF : 157365.8/15

Left Out: 10.581+/-0.006 χ^2/NDF : 13347.0/1

Right Out: 10.544+/-0.003 χ^2/NDF : 186780.3/18

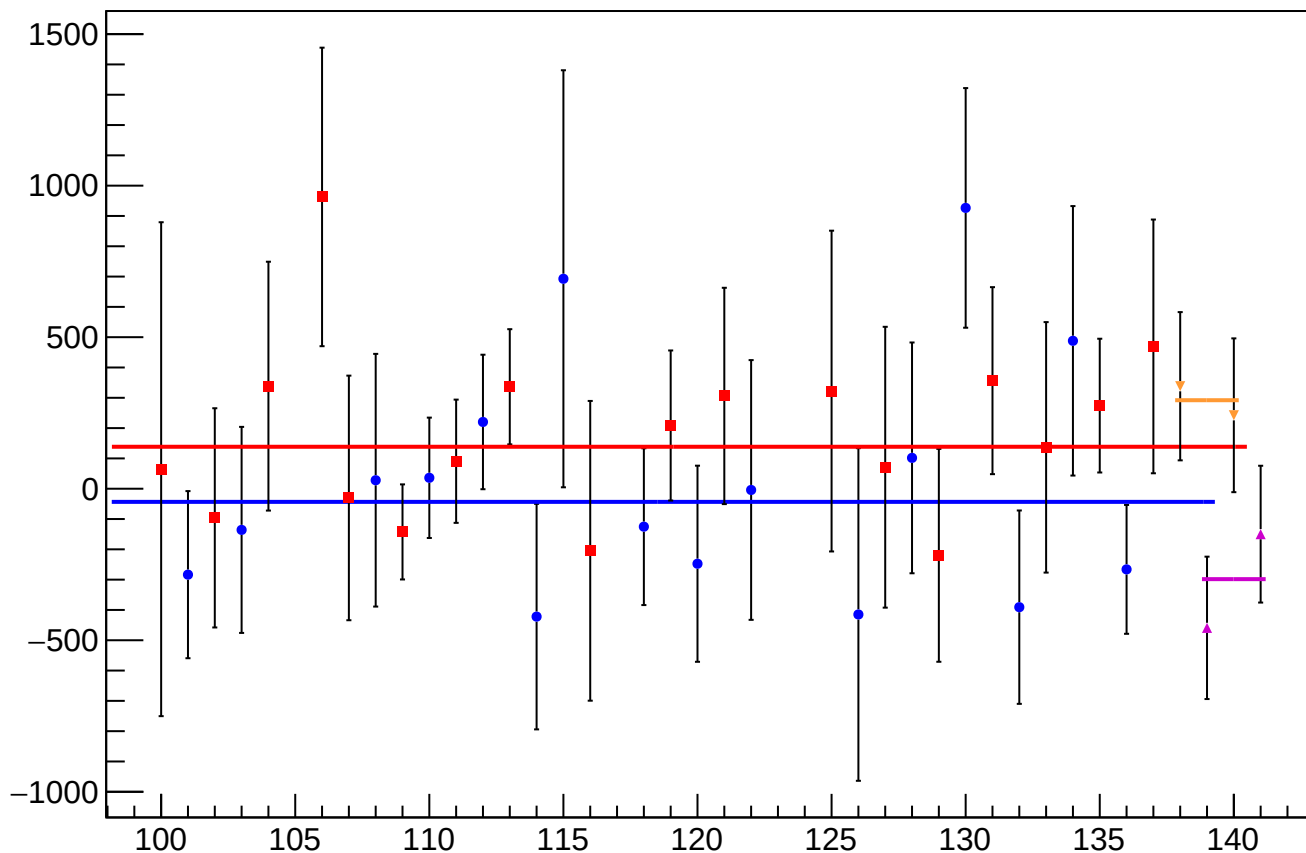
Left In: 10.281+/-0.006 χ^2/NDF : 4473.6/1

+ sign 10.490+/-0.003 χ^2/NDF : 170993.9/17

All: 10.492+/-0.002 χ^2/NDF : 364035.0/38

- sign 10.493+/-0.002 χ^2/NDF : 193040.7/20

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384 ± 77.584 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 292.026 ± 176.090 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 138.455 ± 69.833 $\chi^2/\text{NDF}: 11.5/17$

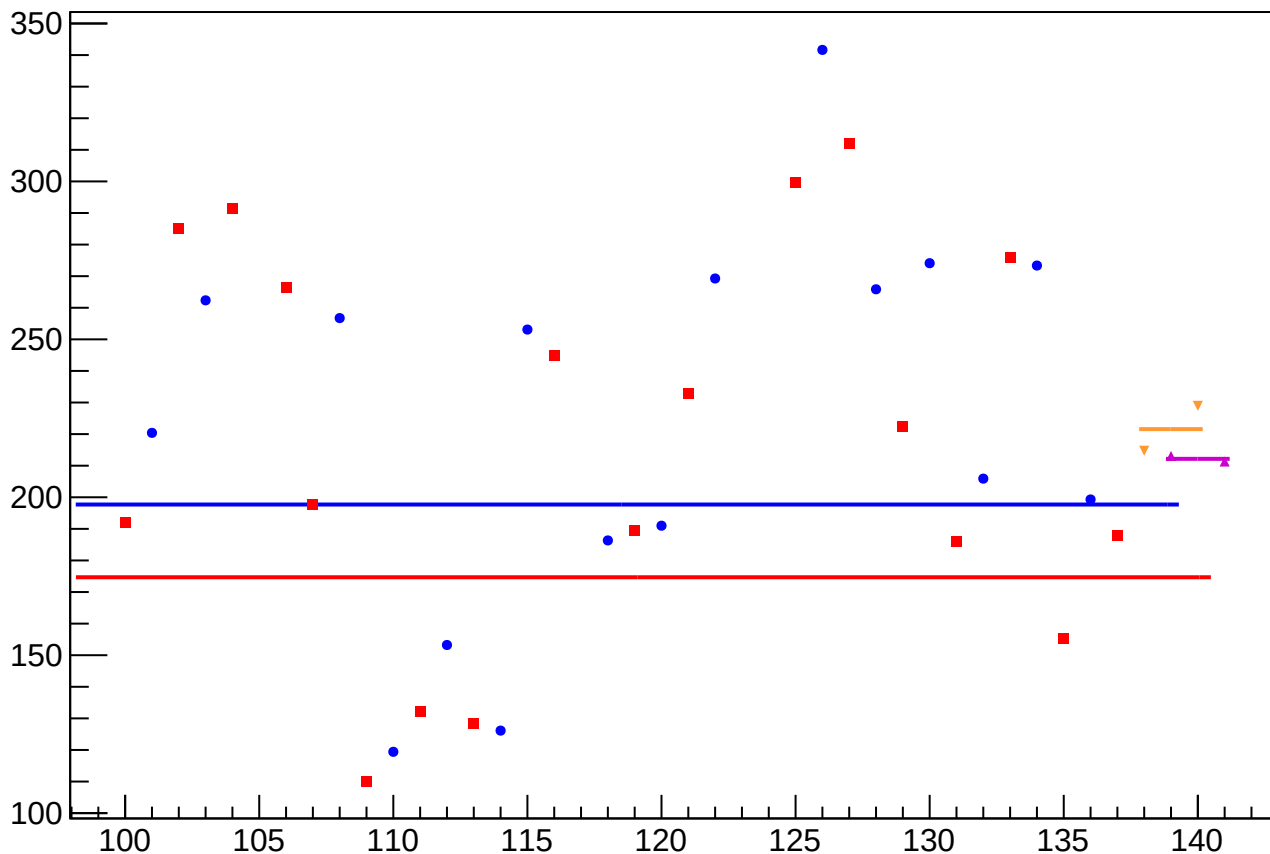
Left In: -298.354 ± 162.753 $\chi^2/\text{NDF}: 0.9/1$

+ sign 11.142 ± 70.998 $\chi^2/\text{NDF}: 18.6/17$

All: 43.831 ± 47.609 $\chi^2/\text{NDF}: 37.4/37$

- sign 70.540 ± 64.175 $\chi^2/\text{NDF}: 18.4/19$

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

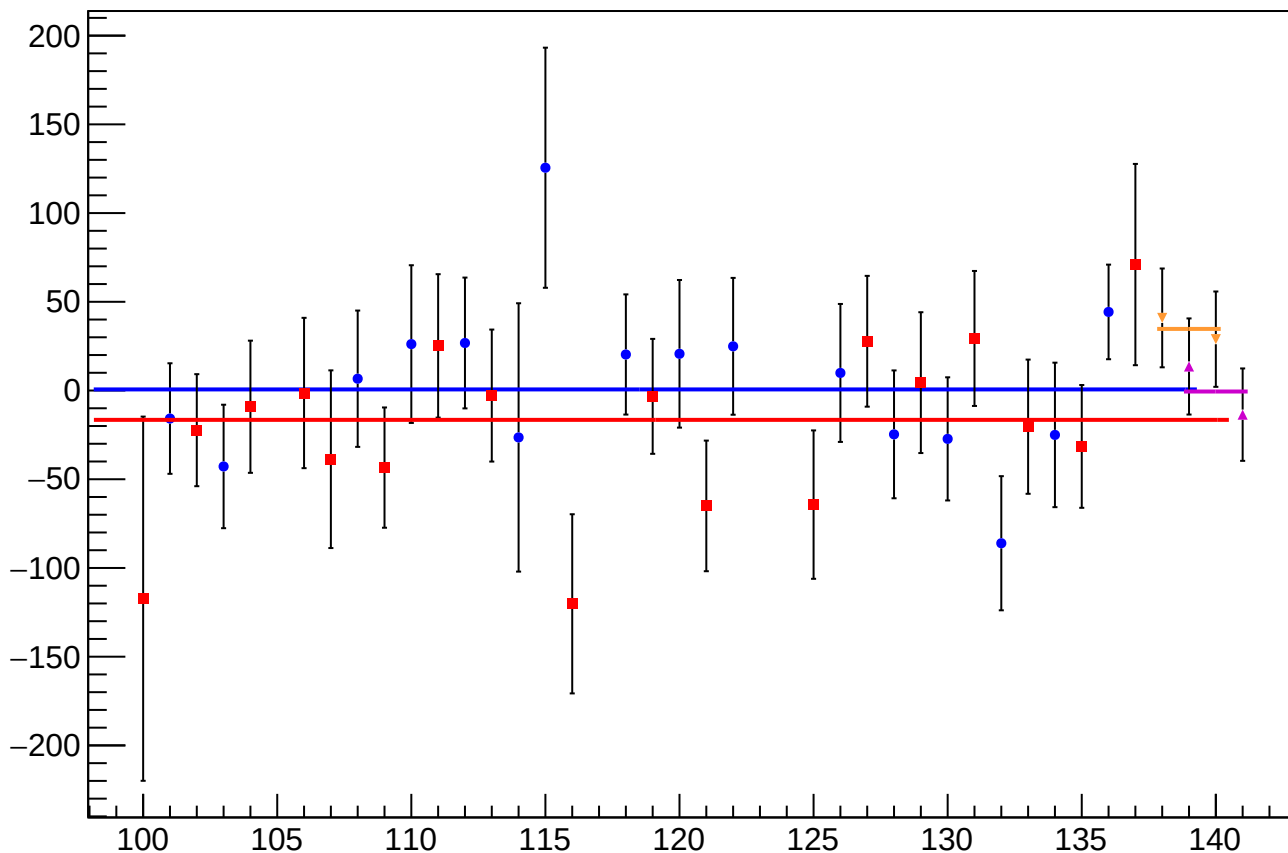
Left In: 212.169 $\pm$ 0.115 χ^2 /NDF:57.7/1

+ sign 201.587 $\pm$ 0.050 χ^2 /NDF: 1034354.7/17

All: 189.986 $\pm$ 0.034 χ^2 /NDF: 2755812.2/37

- sign 180.508 $\pm$ 0.045 χ^2 /NDF: 1624429.0/19

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619 $\pm$ 9.421 χ^2/NDF : 16.7/15

Left Out: 34.719 $\pm$ 19.334 χ^2/NDF : 0.1/1

Right Out: -16.534 $\pm$ 9.307 χ^2/NDF : 16.4/17

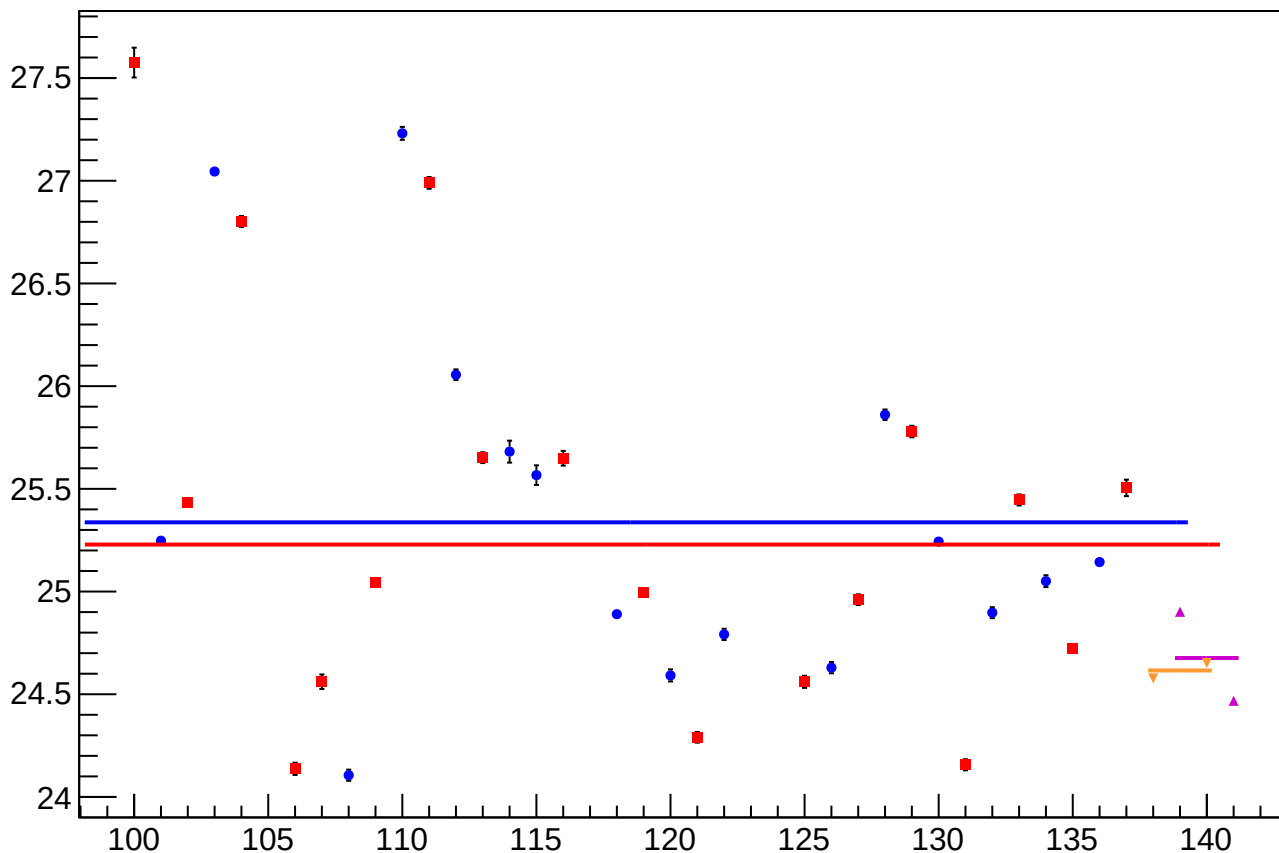
Left In: -0.557 $\pm$ 18.770 χ^2/NDF : 0.5/1

+ sign 7.163 $\pm$ 8.469 χ^2/NDF : 19.3/17

All: -3.269 $\pm$ 5.942 χ^2/NDF : 39.8/37

- sign -13.381 $\pm$ 8.338 χ^2/NDF : 17.5/19

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

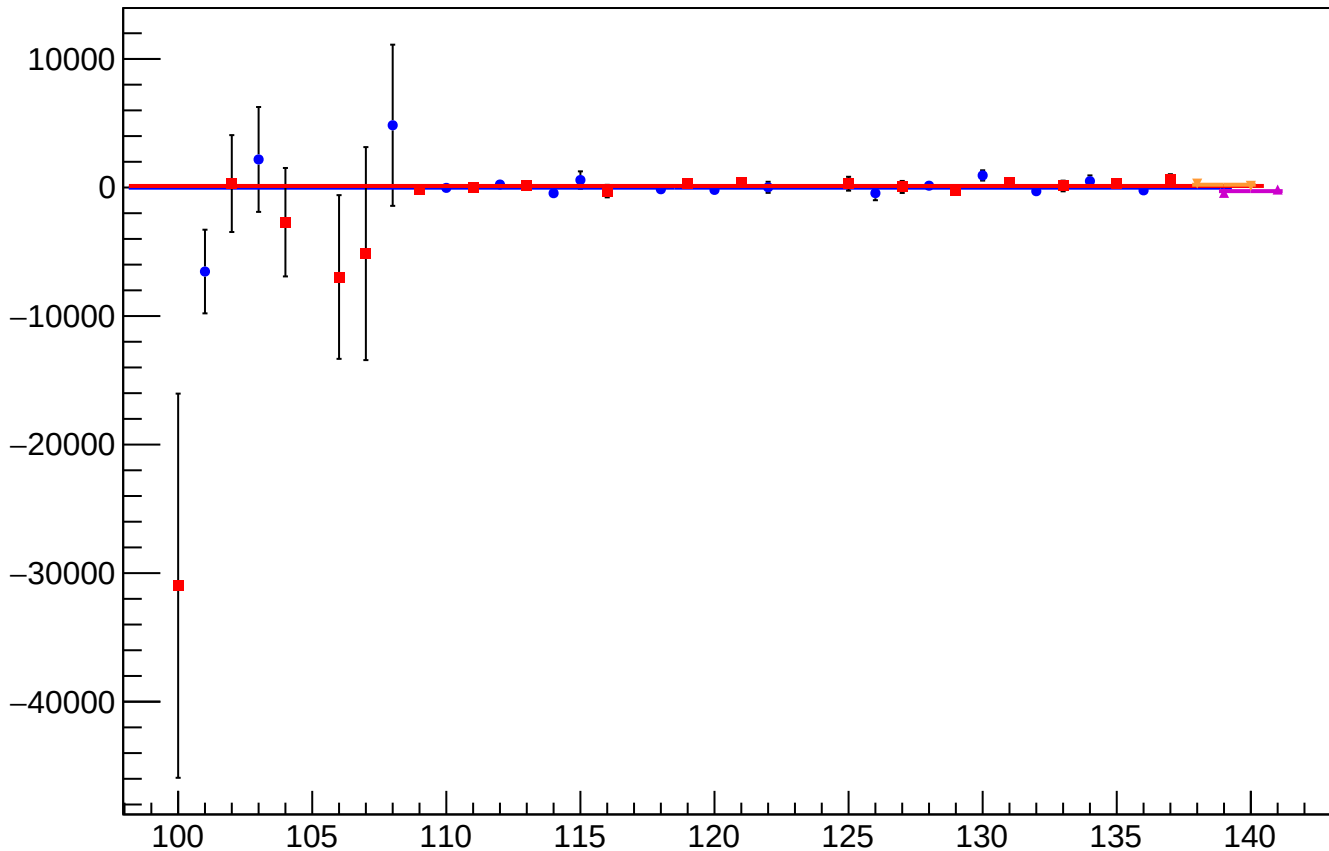
Left In: 24.676 $\pm$ 0.013 χ^2 /NDF: 266.3/1

+ sign 25.199 $\pm$ 0.006 χ^2 /NDF: 16571.7/17

All: 25.159 $\pm$ 0.004 χ^2 /NDF: 33492.8/37

- sign 25.120 $\pm$ 0.006 χ^2 /NDF: 16833.1/19

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160 ± 84.454 χ^2/NDF : 18.3/15

Left Out: 217.227 ± 171.670 χ^2/NDF : 0.2/1

Right Out: 119.984 ± 78.247 χ^2/NDF : 14.4/17

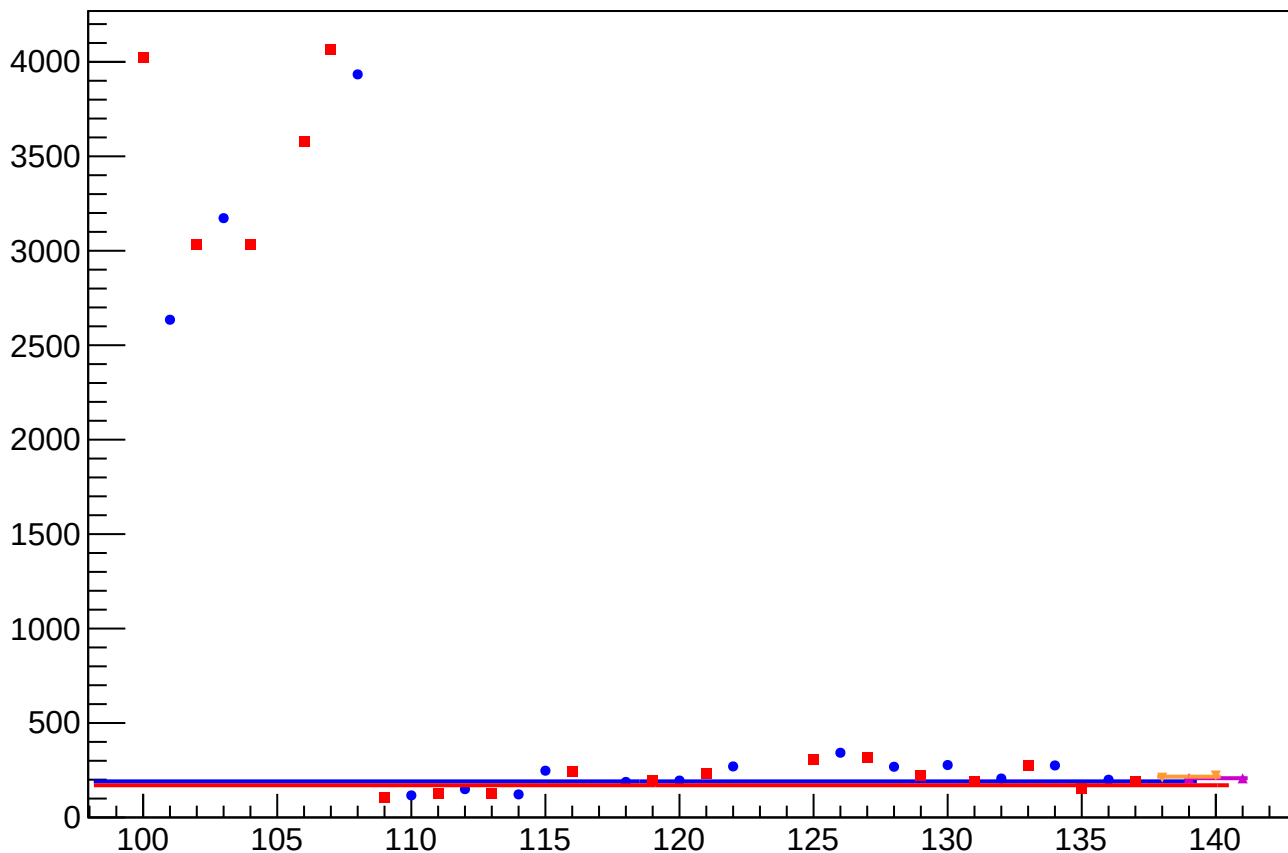
Left In: -282.328 ± 159.537 χ^2/NDF : 0.7/1

+ sign 31.733 ± 75.780 χ^2/NDF : 20.0/17

All: 37.240 ± 51.519 χ^2/NDF : 40.2/37

- sign 41.972 ± 70.252 χ^2/NDF : 20.2/19

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

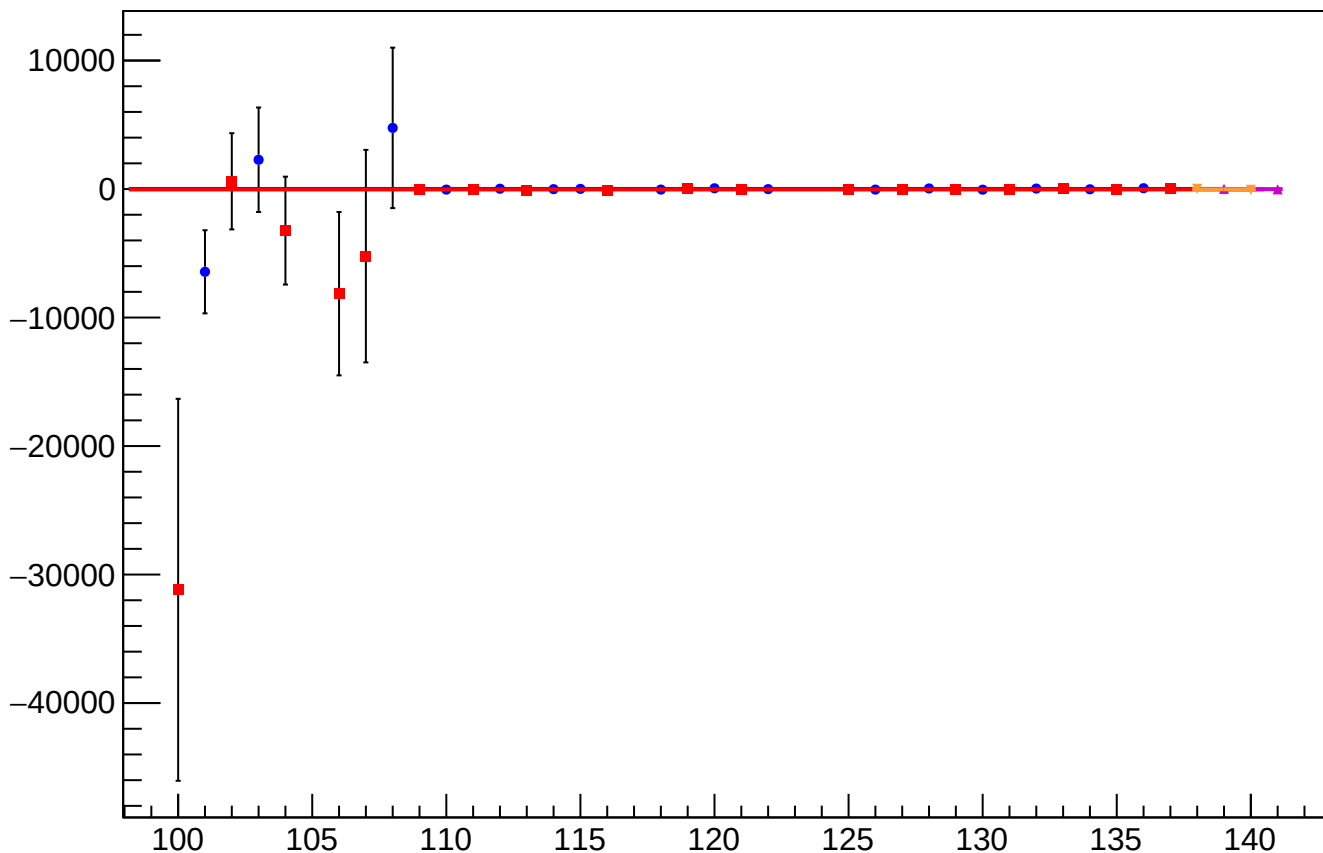
Left In: 207.790 $\pm$ 0.113 χ^2 /NDF:34.7/1

+ sign 195.911 $\pm$ 0.054 χ^2 /NDF: 3869878.9/17

All: 186.131 $\pm$ 0.036 χ^2 /NDF: 8274785.1/37

- sign 177.726 $\pm$ 0.050 χ^2 /NDF: 4342966.9/19

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

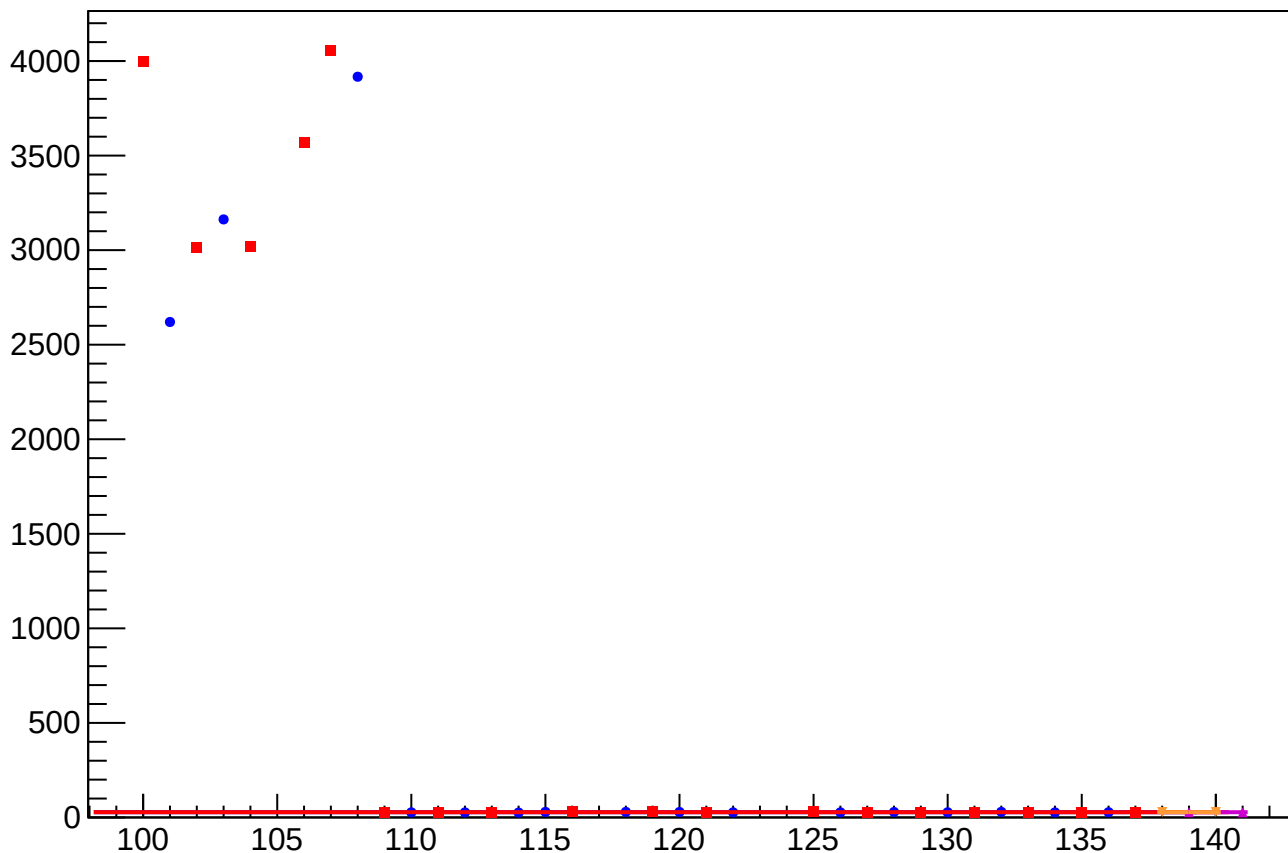
Left In: -5.222 $\pm$ 21.079 χ^2 /NDF: 0.9/1

+ sign 0.468 $\pm$ 10.400 χ^2 /NDF: 22.7/17

All: -11.880 $\pm$ 7.383 χ^2 /NDF: 47.4/37

- sign -24.428 $\pm$ 10.484 χ^2 /NDF: 21.8/19

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF : 3265895.3/15

Left Out: 28.229+/-0.016 χ^2/NDF : 5.9/1

Right Out: 27.778+/-0.009 χ^2/NDF : 3558398.6/17

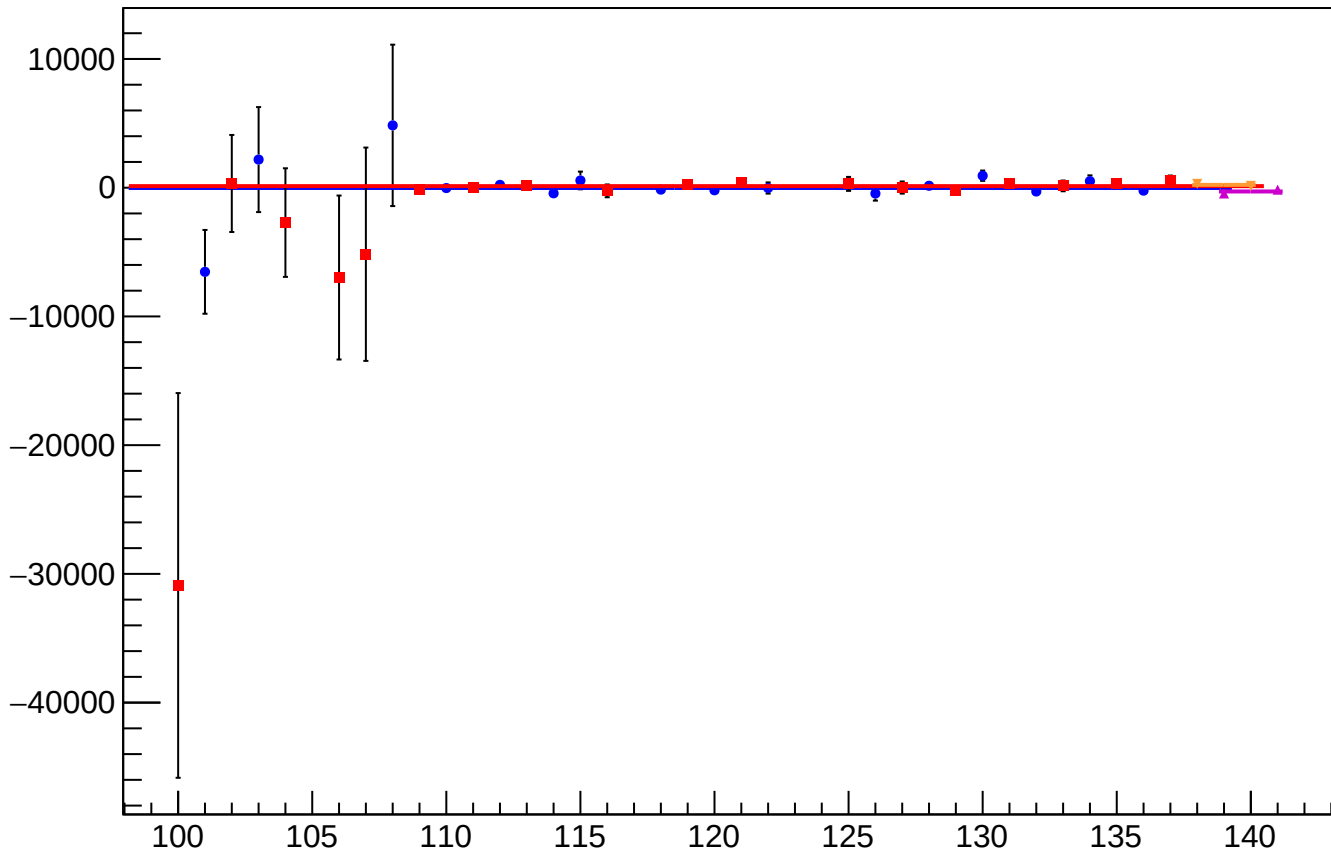
Left In: 27.662+/-0.015 χ^2/NDF : 913.0/1

+ sign 27.913+/-0.007 χ^2/NDF : 3266416.5/17

All: 27.832+/-0.005 χ^2/NDF : 6826019.9/37

- sign 27.749+/-0.007 χ^2/NDF : 3559357.6/19

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522 ± 85.063 χ^2/NDF : 18.2/15

Left Out: 219.913 ± 172.572 χ^2/NDF : 0.2/1

Right Out: 121.544 ± 78.844 χ^2/NDF : 13.2/17

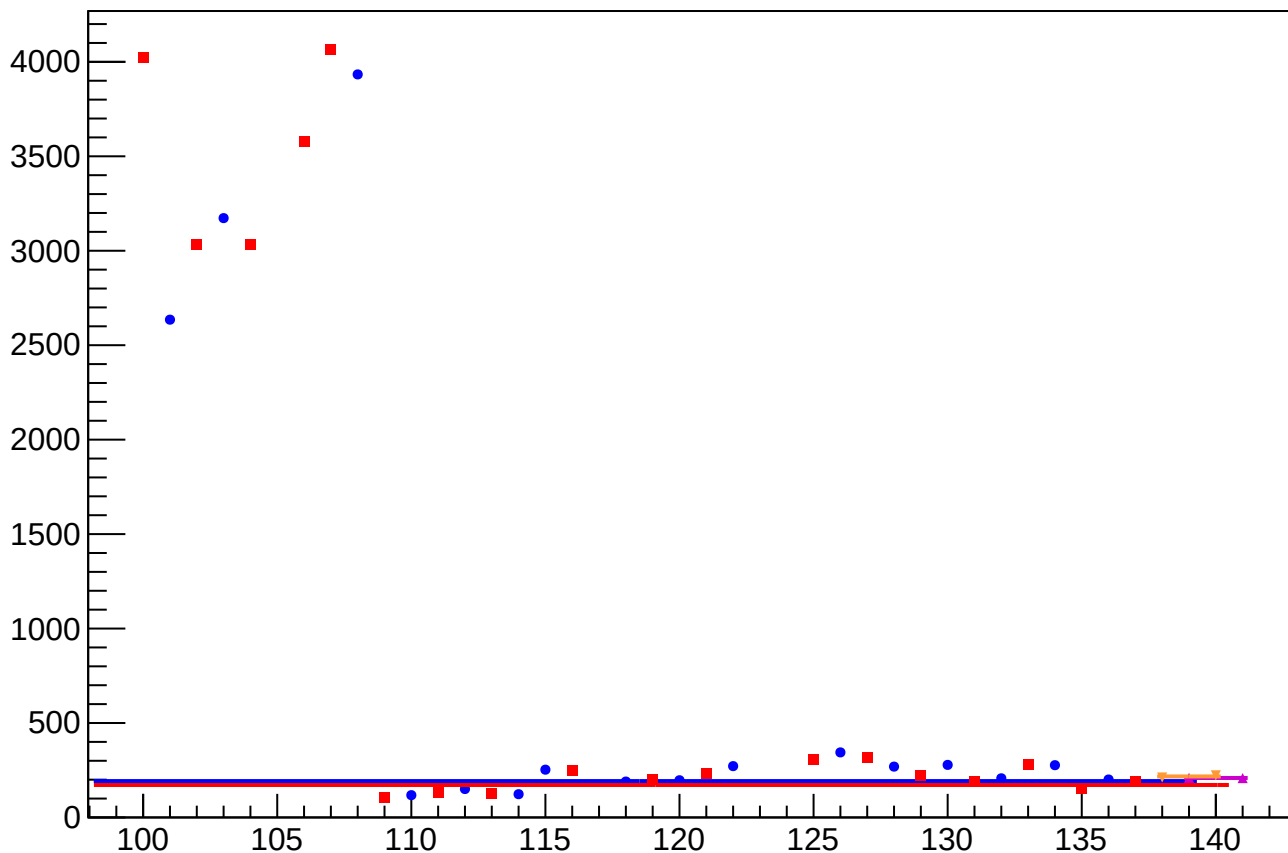
Left In: -293.298 ± 160.466 χ^2/NDF : 0.8/1

+ sign 27.281 ± 76.298 χ^2/NDF : 19.9/17

All: 34.586 ± 51.884 χ^2/NDF : 39.4/37

- sign 40.869 ± 70.763 χ^2/NDF : 19.5/19

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

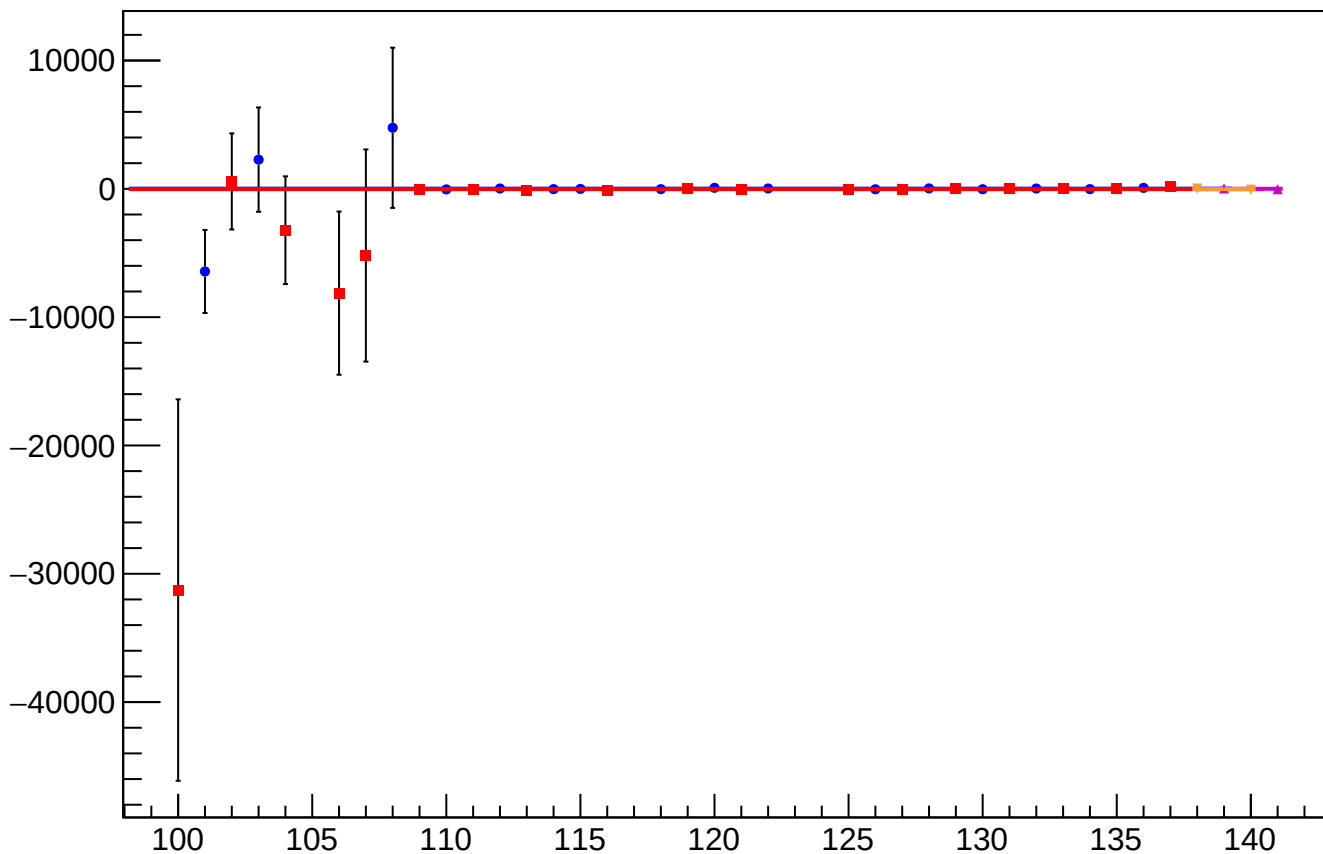
Left In: 209.007 $\pm$ 0.113 χ^2 /NDF:27.7/1

+ sign 197.347 $\pm$ 0.054 χ^2 /NDF: 3857439.9/17

All: 187.546 $\pm$ 0.037 χ^2 /NDF: 8252815.7/37

- sign 179.115 $\pm$ 0.050 χ^2 /NDF: 4333985.7/19

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

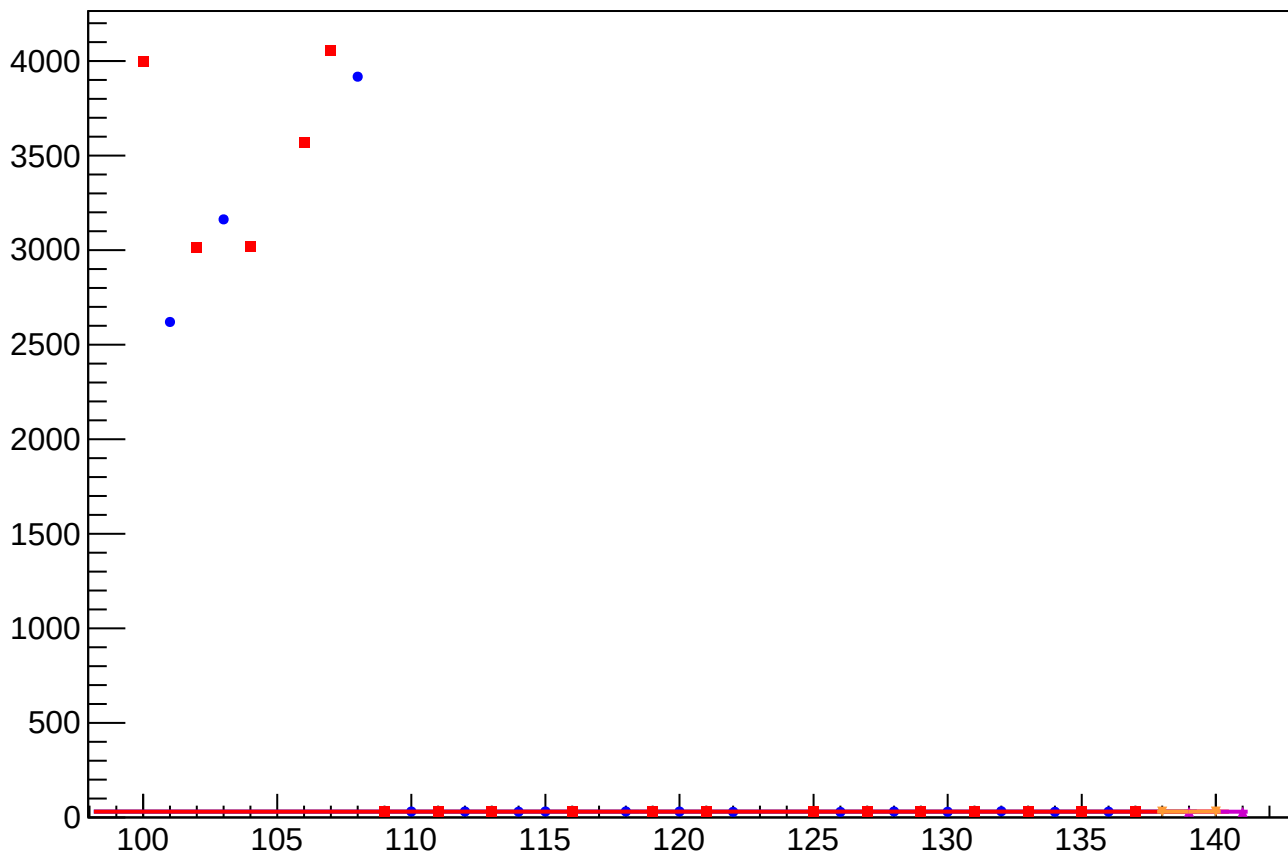
Left In: 4.885 $\pm$ 23.139 χ^2 /NDF:2.1/1

+ sign 5.359 $\pm$ 11.505 χ^2 /NDF: 20.7/17

All: -4.846 $\pm$ 8.163 χ^2 /NDF: 53.8/37

- sign -15.191 $\pm$ 11.584 χ^2 /NDF: 31.5/19

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF : 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF : 62.4/1

Right Out: 30.804+/-0.009 χ^2/NDF : 3535959.8/17

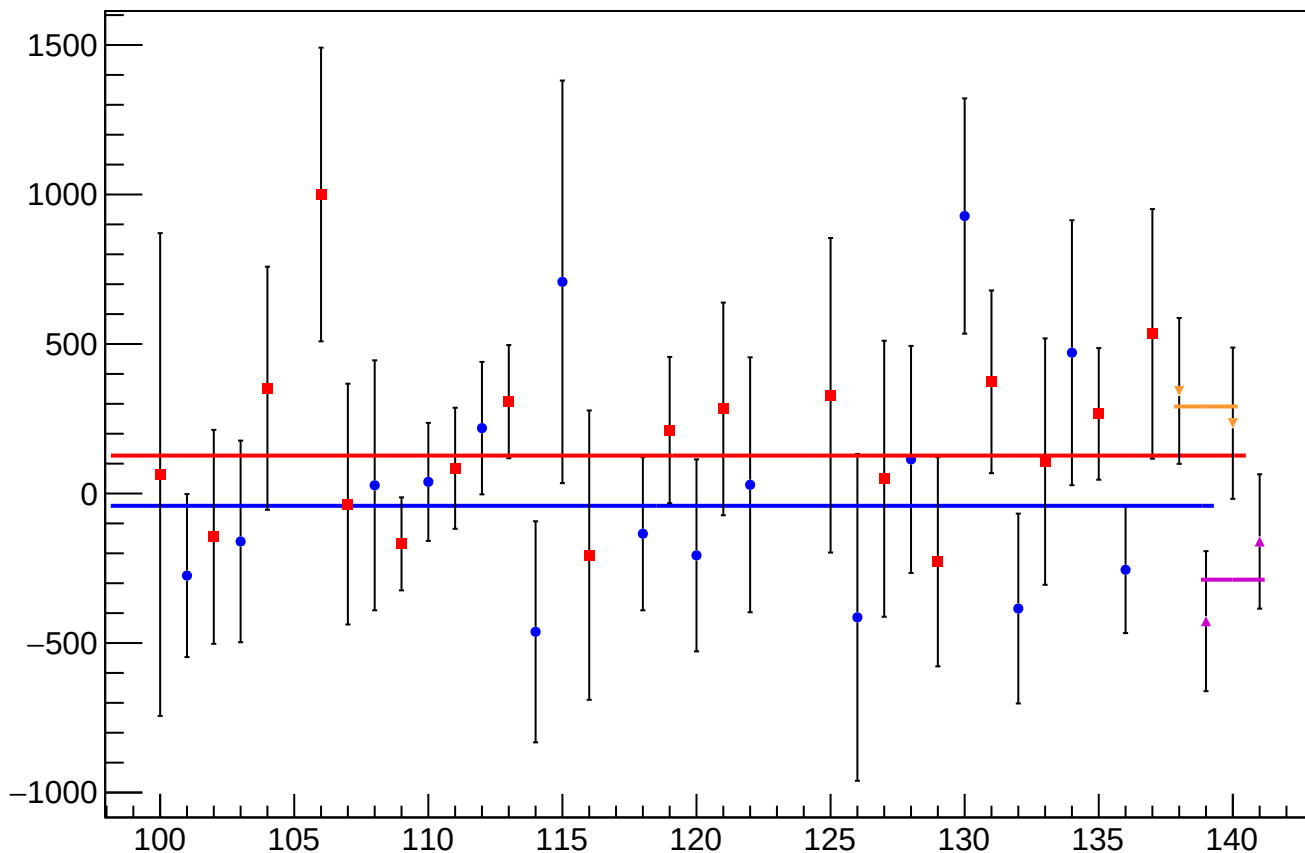
Left In: 30.386+/-0.016 χ^2/NDF : 488.1/1

+ sign 30.910+/-0.008 χ^2/NDF : 3252687.7/17

All: 30.805+/-0.006 χ^2/NDF : 6789957.7/37

- sign 30.699+/-0.008 χ^2/NDF : 3536936.8/19

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114 ± 77.139 χ^2/NDF : 15.6/15

Left Out: 291.092 ± 175.574 χ^2/NDF : 0.1/1

Right Out: 126.896 ± 69.382 χ^2/NDF : 12.8/17

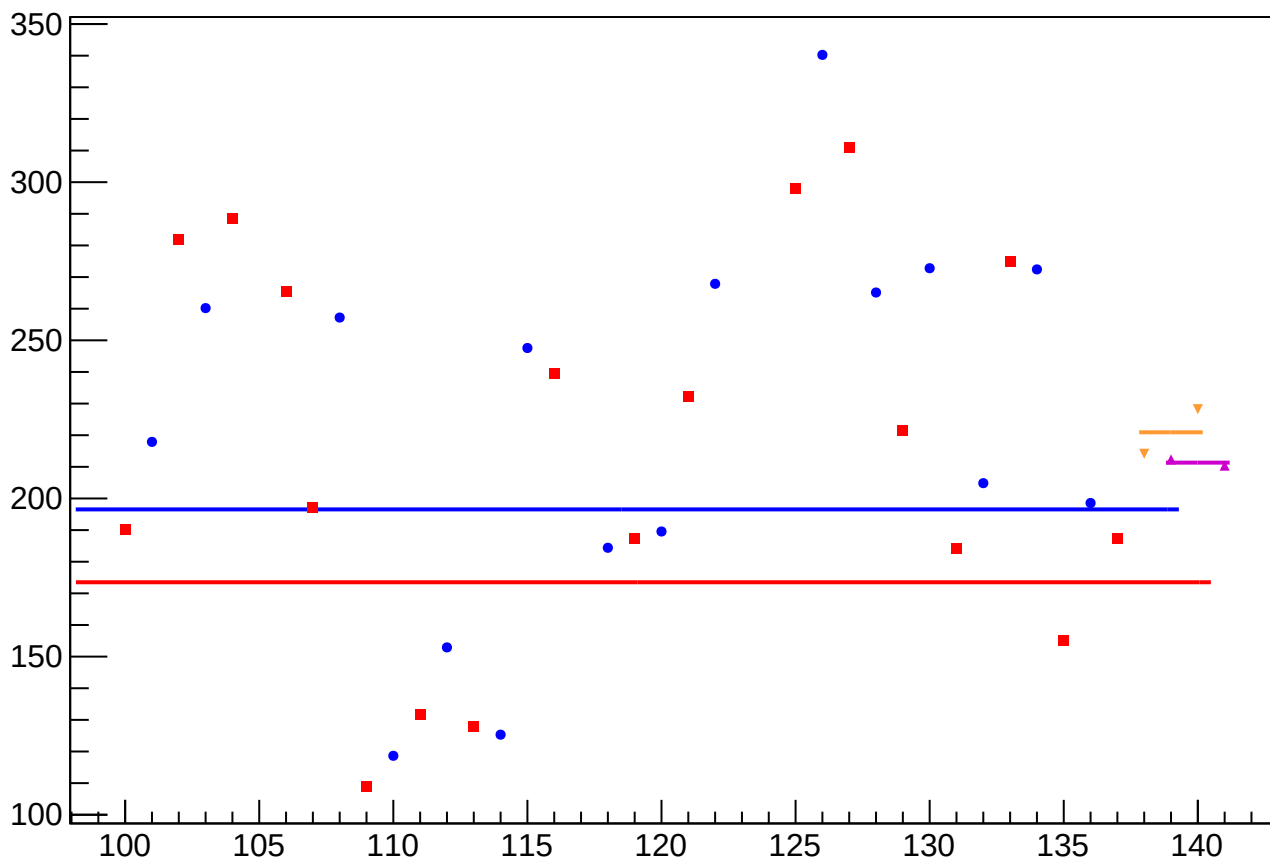
Left In: -288.142 ± 162.116 χ^2/NDF : 0.7/1

+ sign 12.636 ± 70.623 χ^2/NDF : 18.7/17

All: 40.177 ± 47.337 χ^2/NDF : 38.0/37

- sign 62.643 ± 63.786 χ^2/NDF : 19.0/19

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542 $\pm$ 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

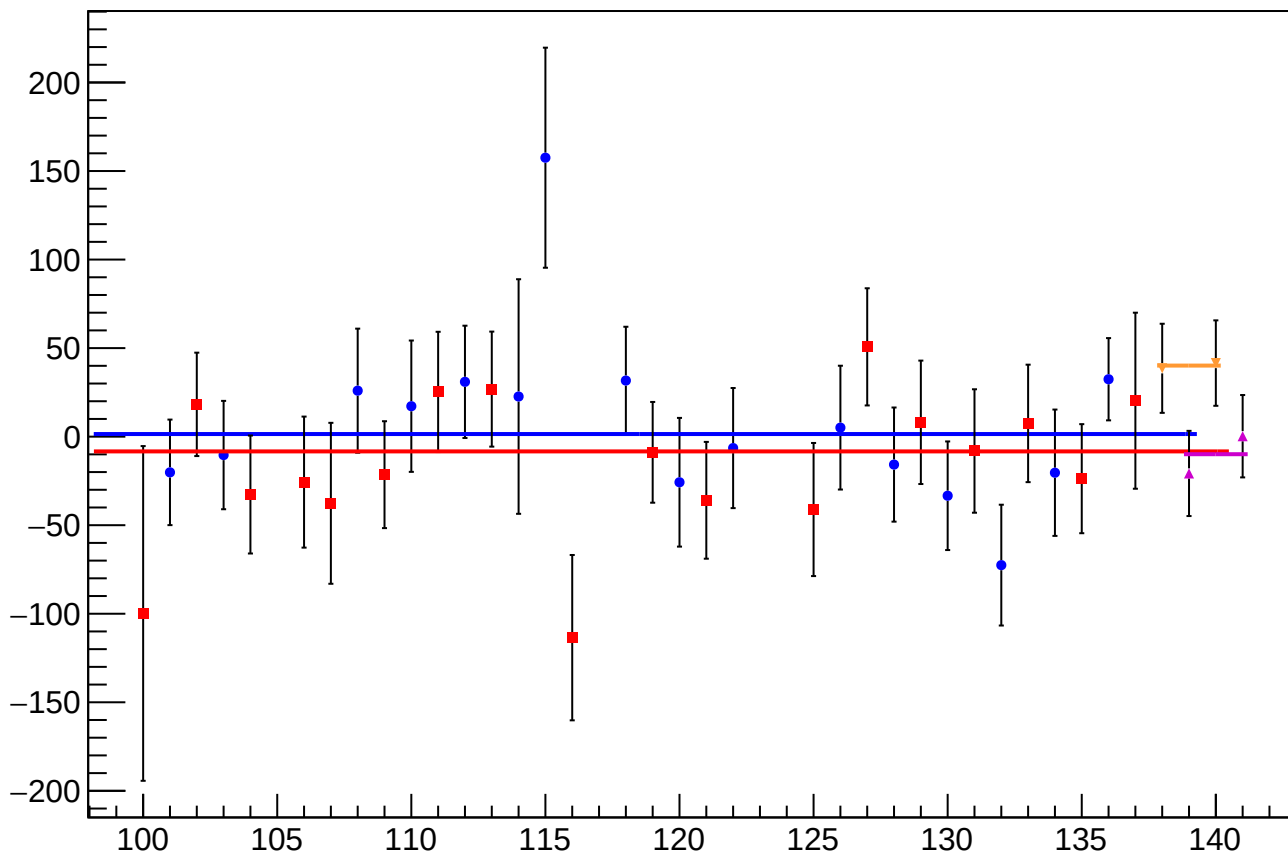
Left In: 211.330 $\pm$ 0.115 χ^2 /NDF: 73.6/1

+ sign 200.487 $\pm$ 0.050 χ^2 /NDF: 1036314.1/17

All: 188.854 $\pm$ 0.033 χ^2 /NDF: 2759638.3/37

- sign 179.364 $\pm$ 0.045 χ^2 /NDF: 1624794.1/19

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 $\chi^2/\text{NDF}: 16.0/17$

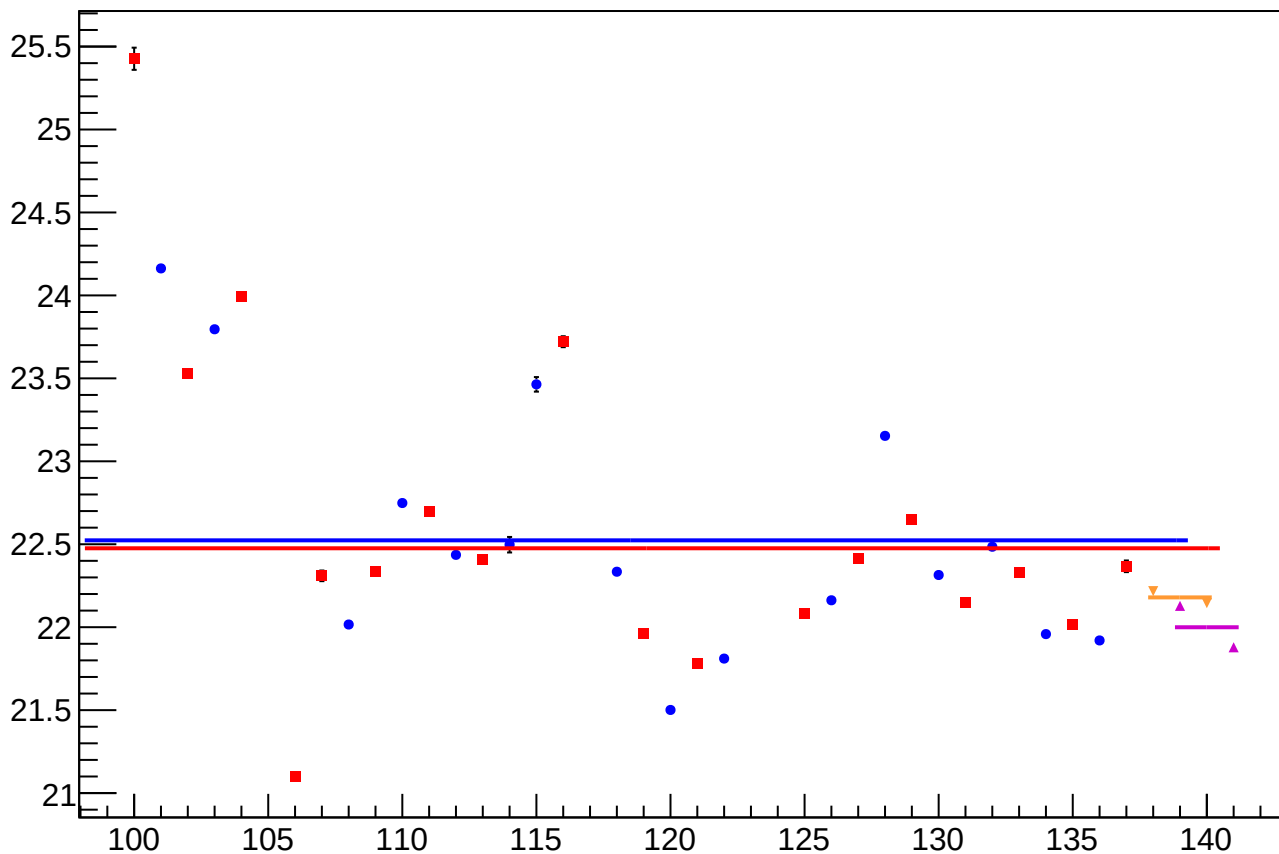
Left In: -9.911 ± 16.721 $\chi^2/\text{NDF}: 0.4/1$

+ sign 8.732 ± 7.544 $\chi^2/\text{NDF}: 22.7/17$

All: -0.093 ± 5.292 $\chi^2/\text{NDF}: 41.8/37$

- sign -8.641 ± 7.424 $\chi^2/\text{NDF}: 16.4/19$

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

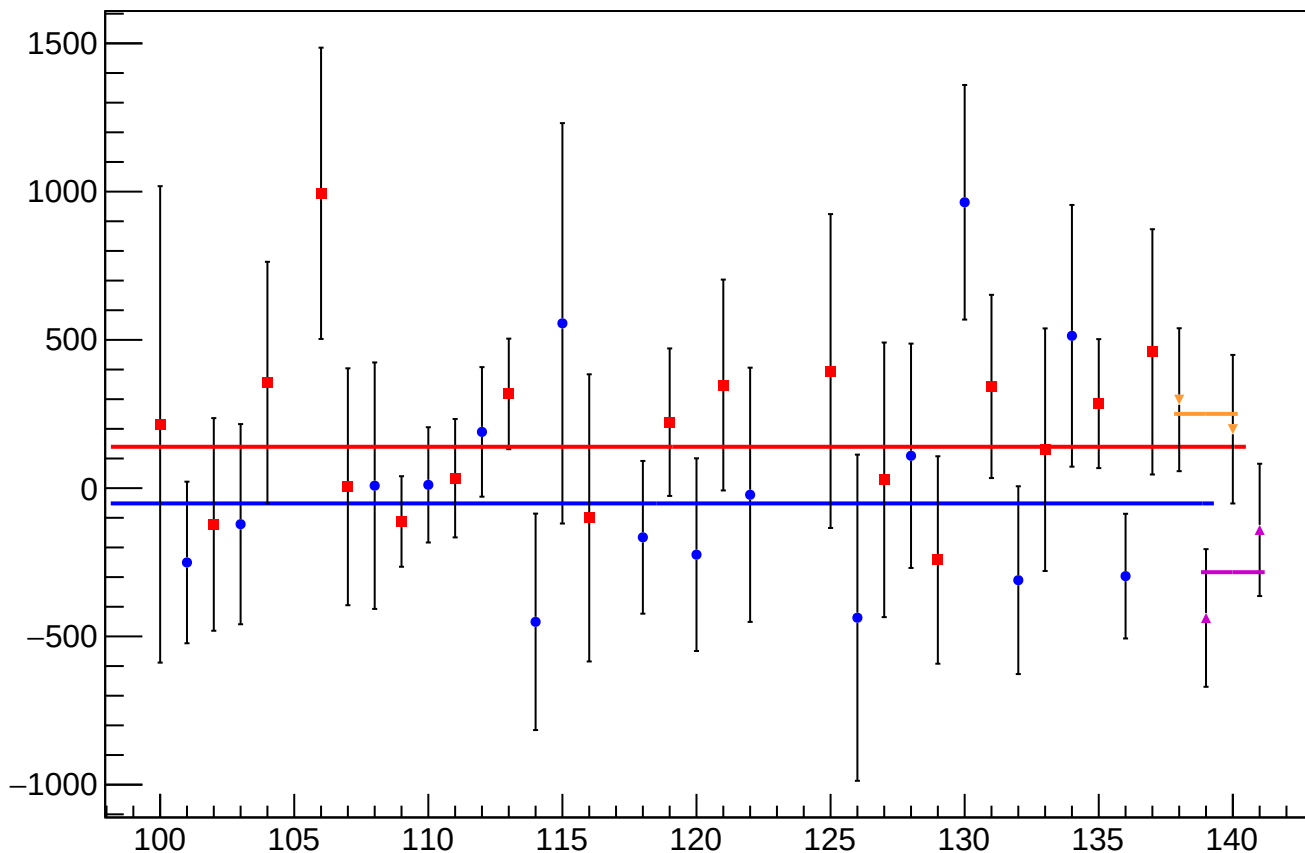
Left In: 22.000 $\pm$ 0.012 χ^2 /NDF: 111.4/1

+ sign 22.459 $\pm$ 0.005 χ^2 /NDF: 16590.5/17

All: 22.420 $\pm$ 0.004 χ^2 /NDF: 33646.4/37

- sign 22.382 $\pm$ 0.005 χ^2 /NDF: 16949.5/19

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492 ± 76.798 $\chi^2/\text{NDF}: 15.3/15$

Left Out: 250.473 ± 173.705 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 139.546 ± 68.888 $\chi^2/\text{NDF}: 11.6/17$

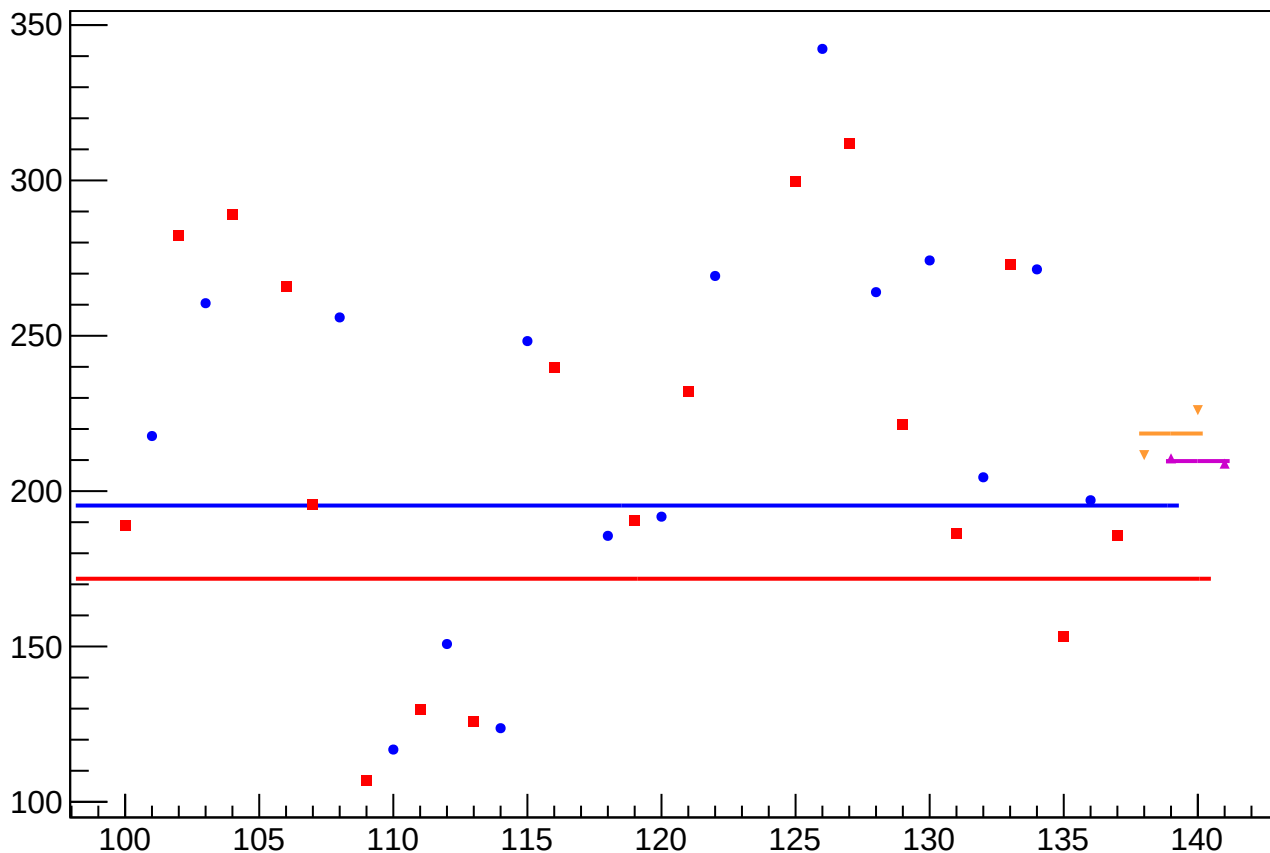
Left In: -283.409 ± 160.860 $\chi^2/\text{NDF}: 0.9/1$

+ sign -2.118 ± 70.239 $\chi^2/\text{NDF}: 18.0/17$

All: 39.869 ± 47.033 $\chi^2/\text{NDF}: 36.8/37$

- sign 73.998 ± 63.326 $\chi^2/\text{NDF}: 18.2/19$

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF : 1041432.1/15

Left Out: 218.539+/-0.123 χ^2/NDF :3466.9/1

Right Out: 171.805+/-0.049 χ^2/NDF : 1600663.6/17

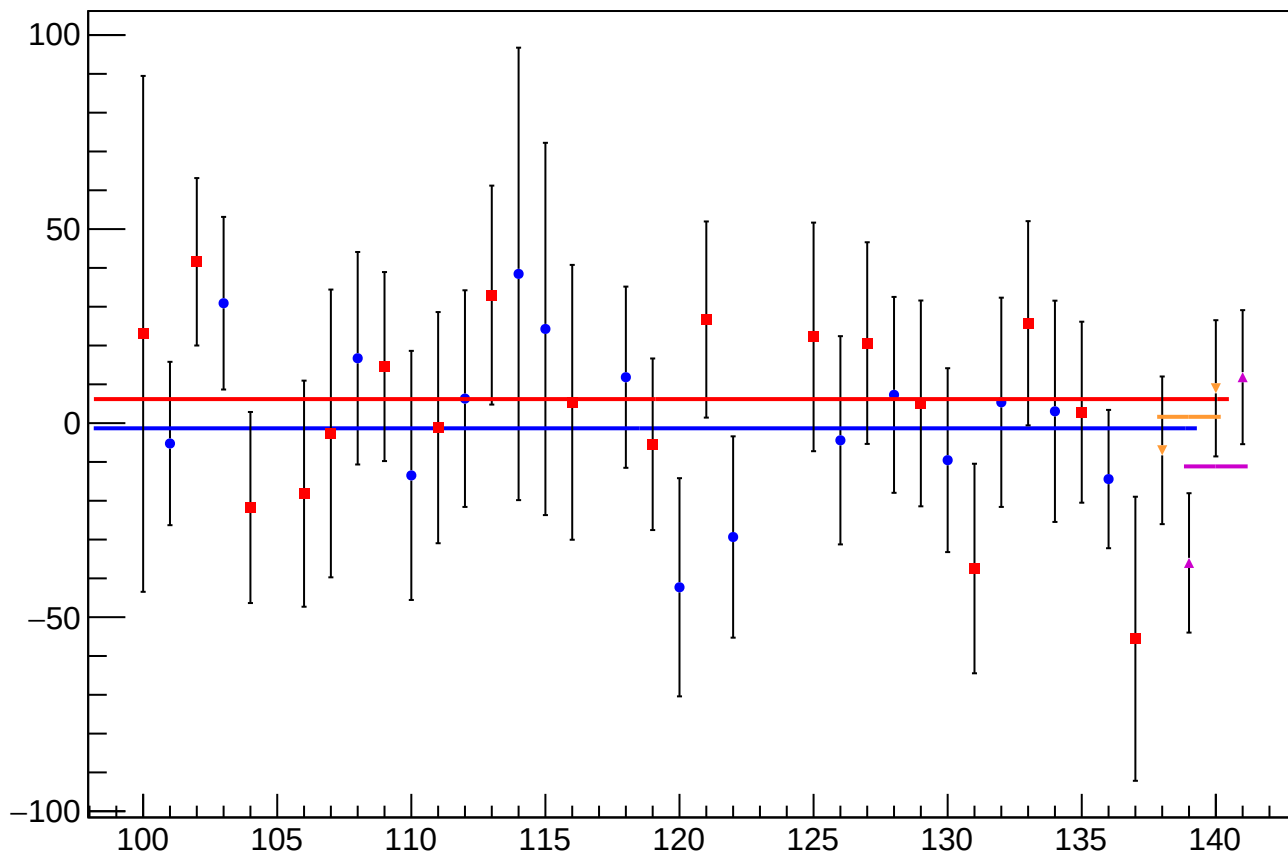
Left In: 209.674+/-0.114 χ^2/NDF :56.0/1

+ sign 199.151+/-0.050 χ^2/NDF : 1074686.7/17

All: 187.303+/-0.033 χ^2/NDF : 2872216.6/37

- sign 177.674+/-0.045 χ^2/NDF : 1694380.9/19

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331 ± 6.499 $\chi^2/\text{NDF}: 8.0/15$

Left Out: 1.629 ± 12.899 $\chi^2/\text{NDF}: 0.4/1$

Right Out: 6.195 ± 6.473 $\chi^2/\text{NDF}: 13.5/17$

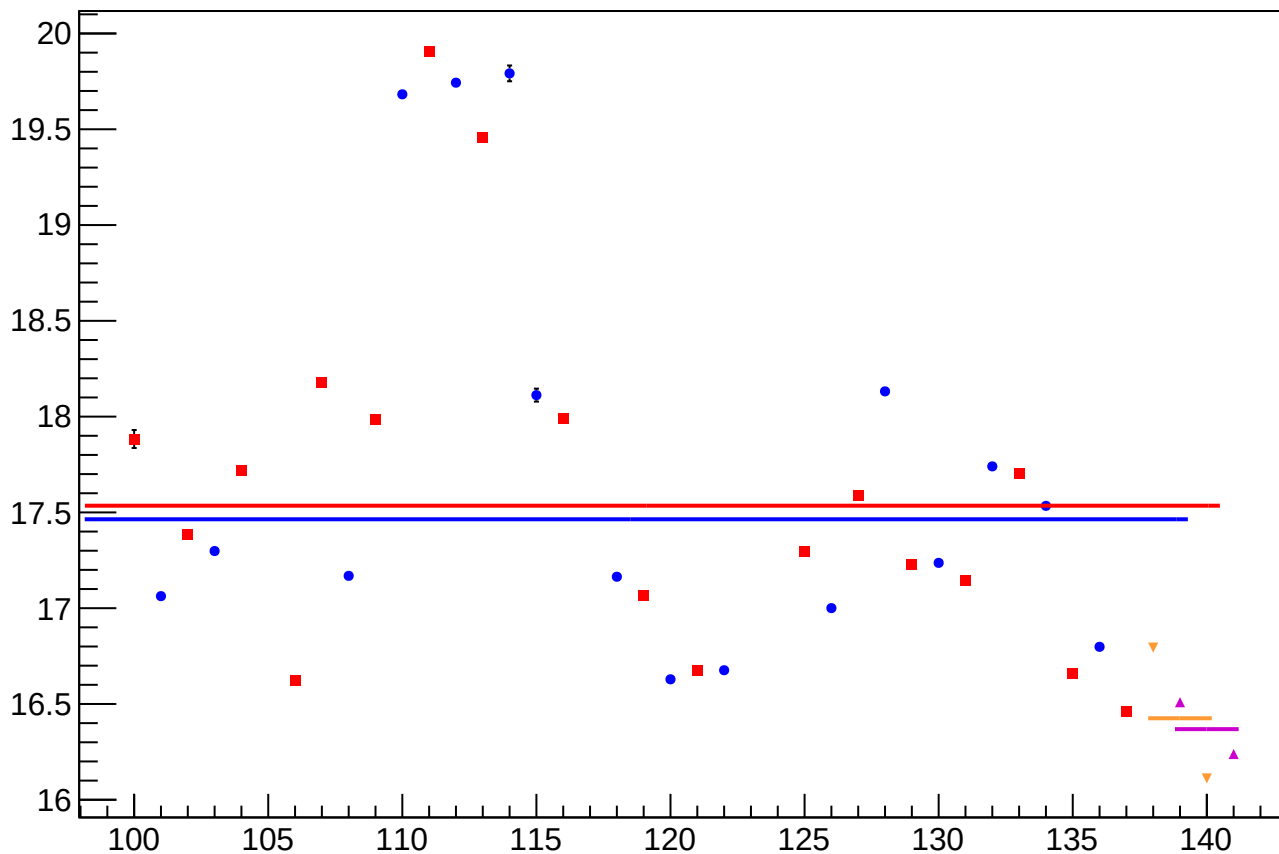
Left In: -11.147 ± 12.447 $\chi^2/\text{NDF}: 3.7/1$

+ sign -0.732 ± 5.804 $\chi^2/\text{NDF}: 8.4/17$

All: 0.903 ± 4.082 $\chi^2/\text{NDF}: 27.3/37$

- sign 2.504 ± 5.743 $\chi^2/\text{NDF}: 18.7/19$

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

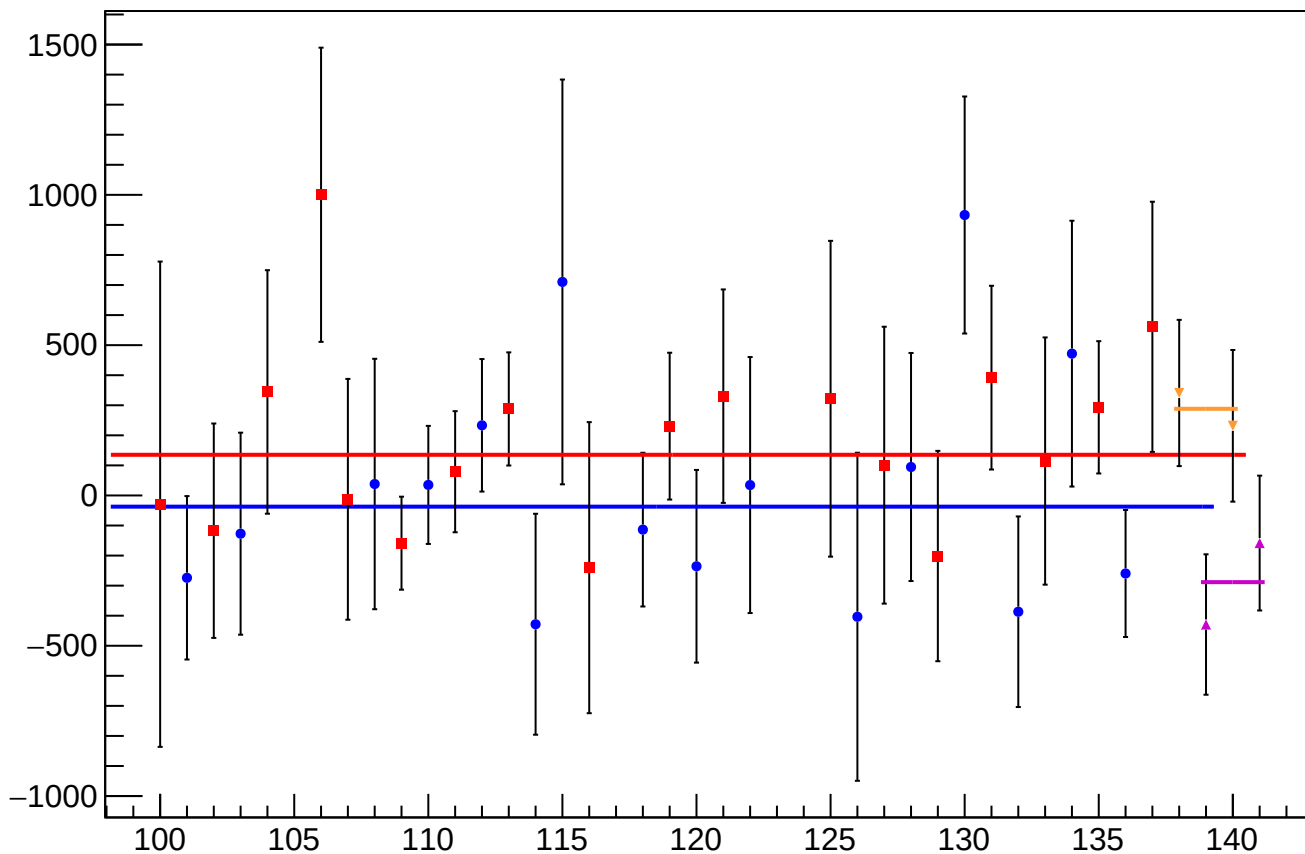
Left In: 16.369 $\pm$ 0.009 χ^2/NDF : 235.5/1

+ sign 17.254 $\pm$ 0.004 χ^2/NDF : 48386.6/17

All: 17.270 $\pm$ 0.003 χ^2/NDF : 96951.9/37

- sign 17.287 $\pm$ 0.004 χ^2/NDF : 48533.0/19

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241 ± 76.915 χ^2/NDF : 15.6/15

Left Out: 288.285 ± 175.109 χ^2/NDF : 0.1/1

Right Out: 135.279 ± 69.157 χ^2/NDF : 12.8/17

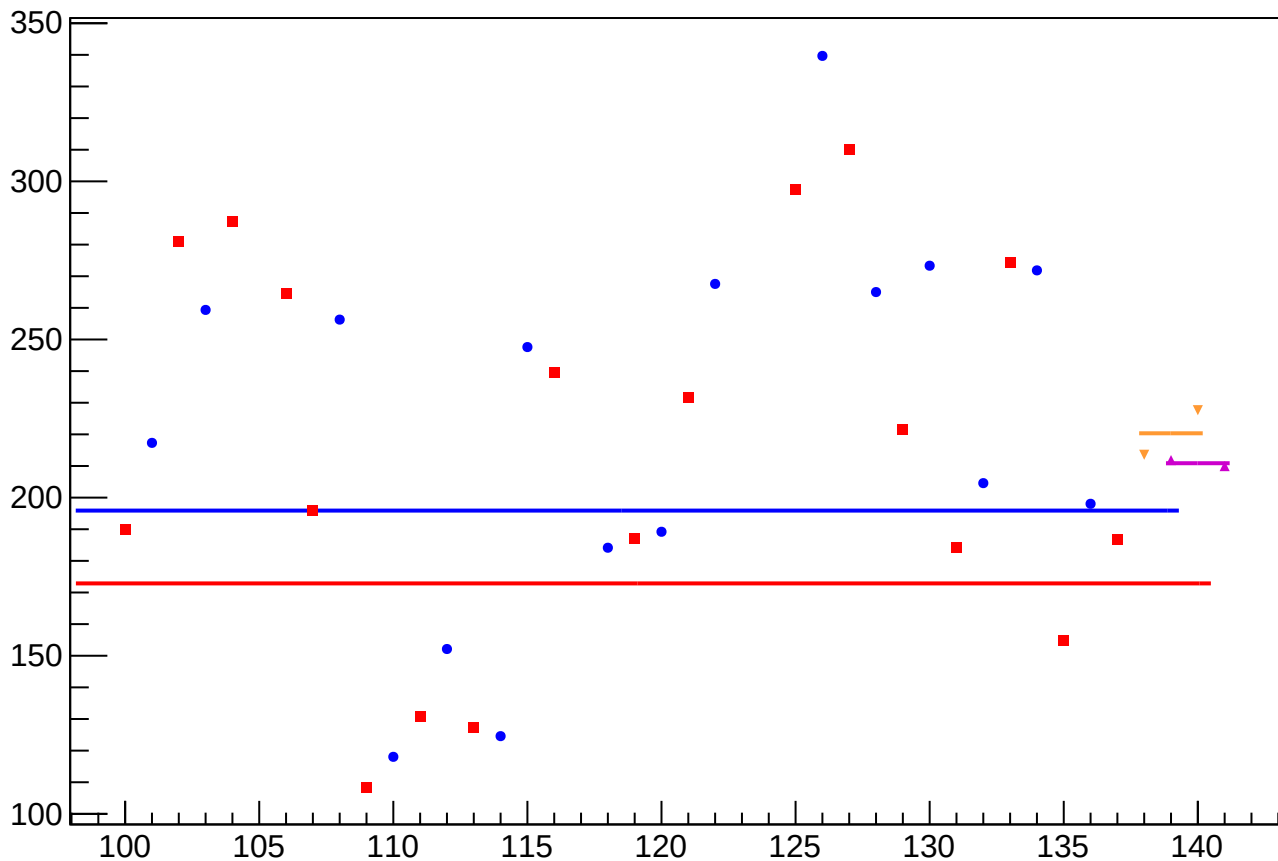
Left In: -288.365 ± 161.769 χ^2/NDF : 0.7/1

+ sign 15.406 ± 70.421 χ^2/NDF : 18.6/17

All: 45.378 ± 47.196 χ^2/NDF : 38.3/37

- sign 69.817 ± 63.590 χ^2/NDF : 19.3/19

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900 $\pm$ 0.054 χ^2 /NDF: 1011012.3/15

Left Out: 220.339 $\pm$ 0.124 χ^2 /NDF:3231.3/1

Right Out: 172.873 $\pm$ 0.049 χ^2 /NDF: 1543258.3/17

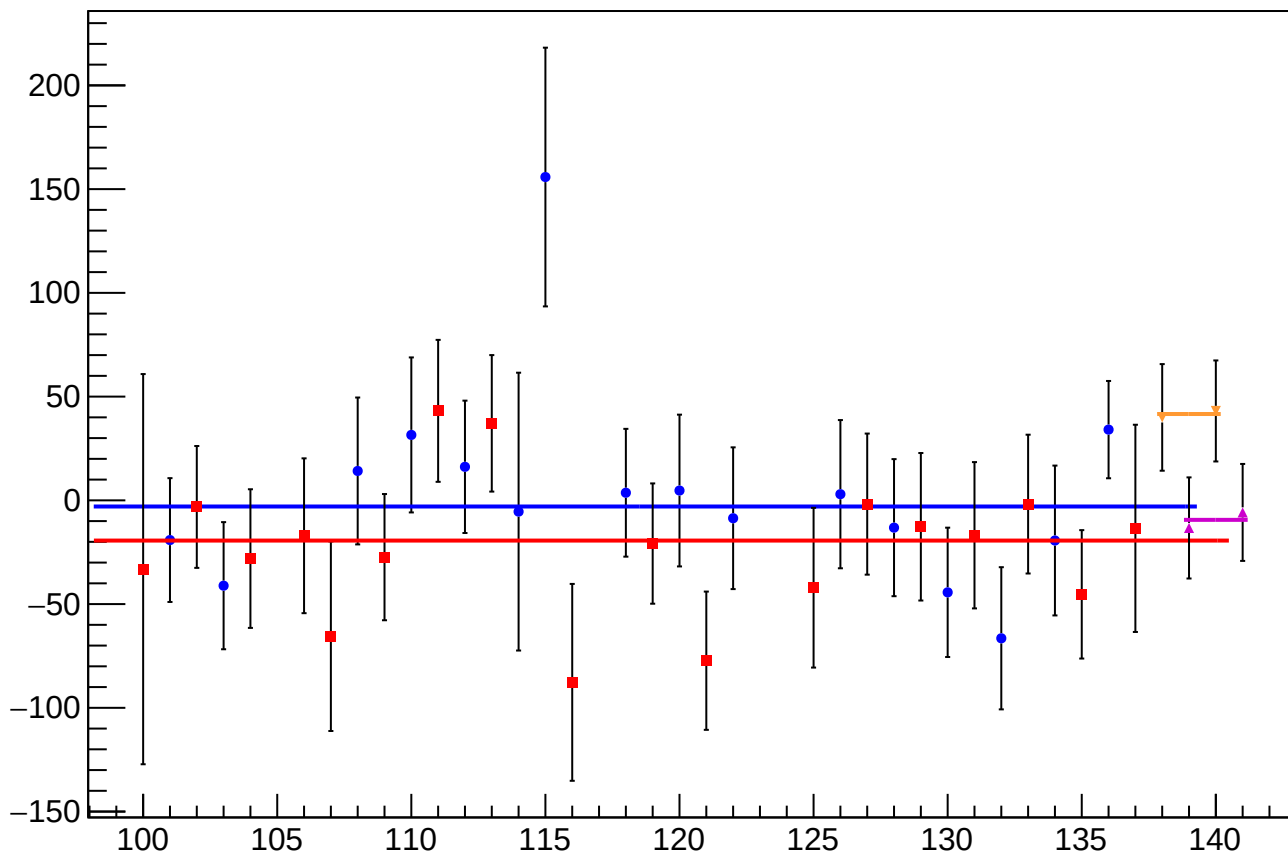
Left In: 210.877 $\pm$ 0.114 χ^2 /NDF:69.6/1

+ sign 199.852 $\pm$ 0.050 χ^2 /NDF: 1046899.6/17

All: 188.226 $\pm$ 0.033 χ^2 /NDF: 2782520.7/37

- sign 178.745 $\pm$ 0.045 χ^2 /NDF: 1636653.2/19

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967 ± 8.454 $\chi^2/\text{NDF}: 17.9/15$

Left Out: 41.613 ± 17.672 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -19.387 ± 8.381 $\chi^2/\text{NDF}: 14.5/17$

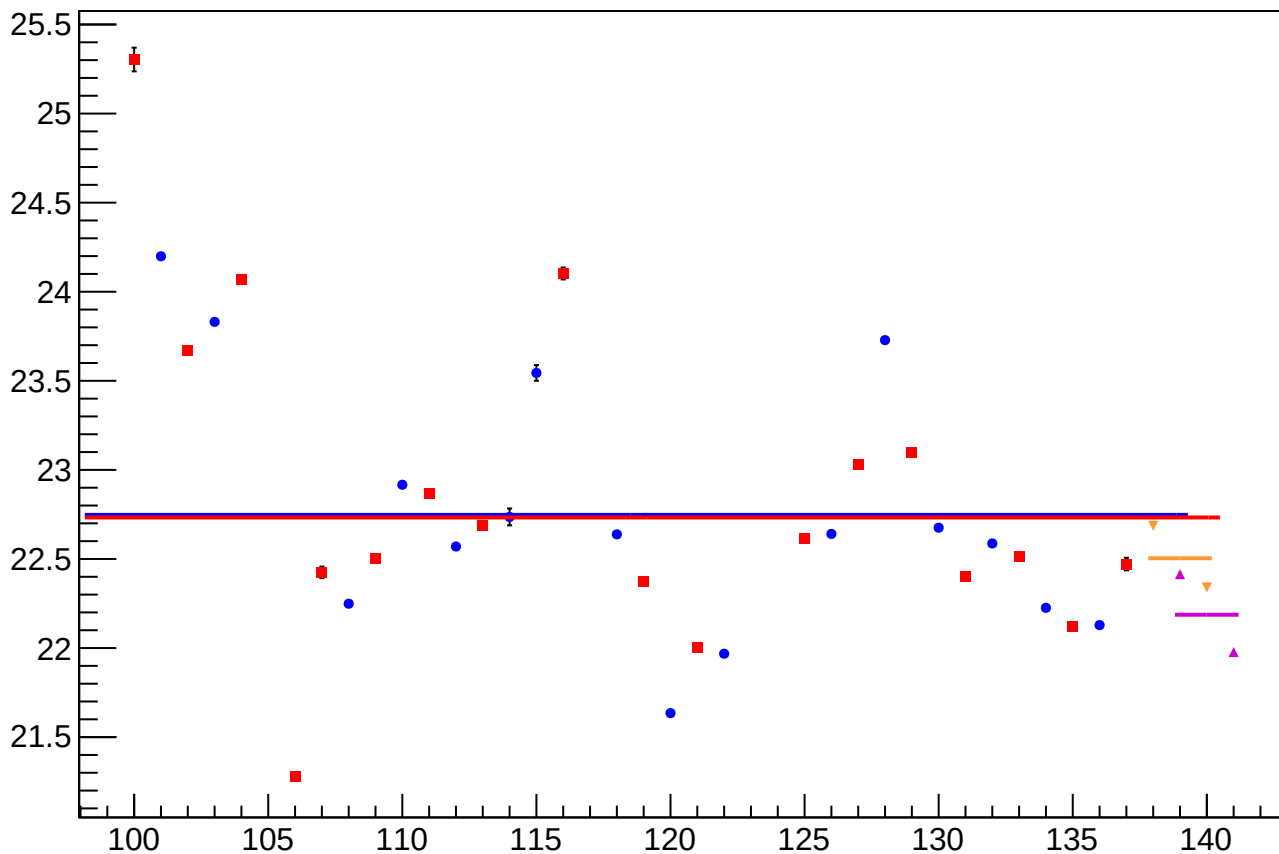
Left In: -9.404 ± 16.865 $\chi^2/\text{NDF}: 0.0/1$

+ sign 5.335 ± 7.626 $\chi^2/\text{NDF}: 23.1/17$

All: -6.219 ± 5.349 $\chi^2/\text{NDF}: 42.5/37$

- sign -17.410 ± 7.506 $\chi^2/\text{NDF}: 14.9/19$

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

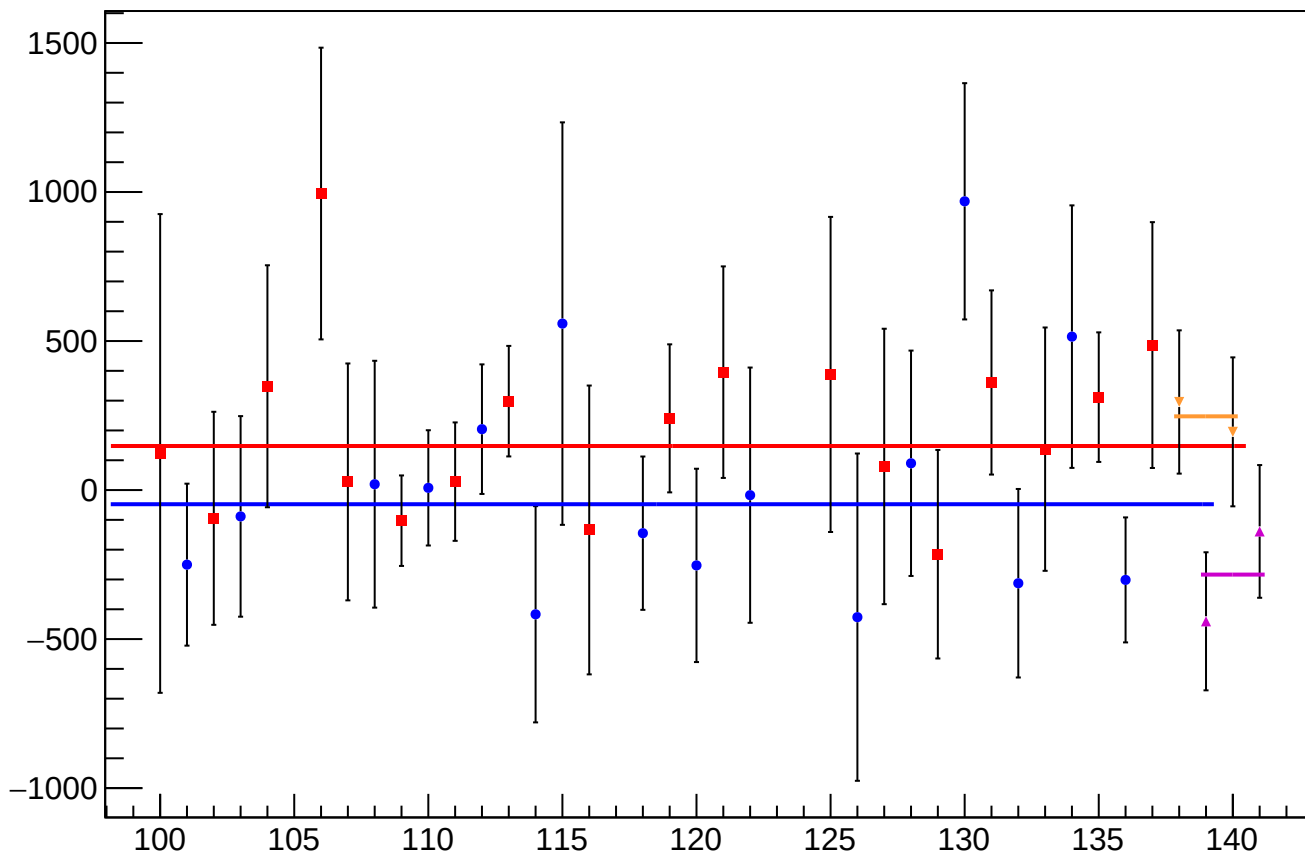
Left In: 22.187 $\pm$ 0.012 χ^2 /NDF:335.3/1

+ sign 22.702 $\pm$ 0.005 χ^2 /NDF: 15122.7/17

All: 22.663 $\pm$ 0.004 χ^2 /NDF: 31632.2/37

- sign 22.625 $\pm$ 0.005 χ^2 /NDF: 16405.1/19

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523 ± 76.571 χ^2/NDF : 15.4/15

Left Out: 247.354 ± 173.240 χ^2/NDF : 0.1/1

Right Out: 147.812 ± 68.660 χ^2/NDF : 11.5/17

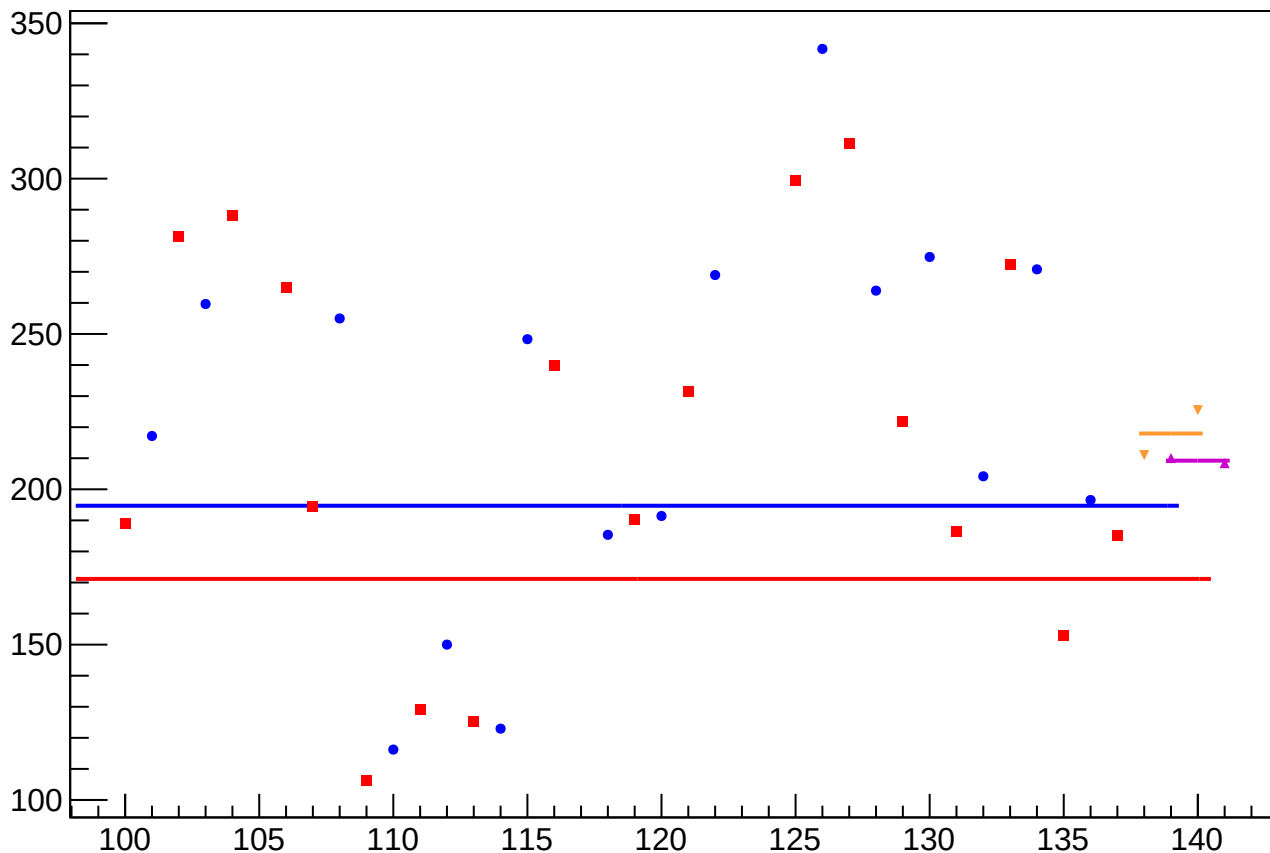
Left In: -283.621 ± 160.511 χ^2/NDF : 0.9/1

+ sign 0.669 ± 70.035 χ^2/NDF : 17.9/17

All: 45.035 ± 46.890 χ^2/NDF : 37.1/37

- sign 81.080 ± 63.127 χ^2/NDF : 18.5/19

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708 $\pm$ 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

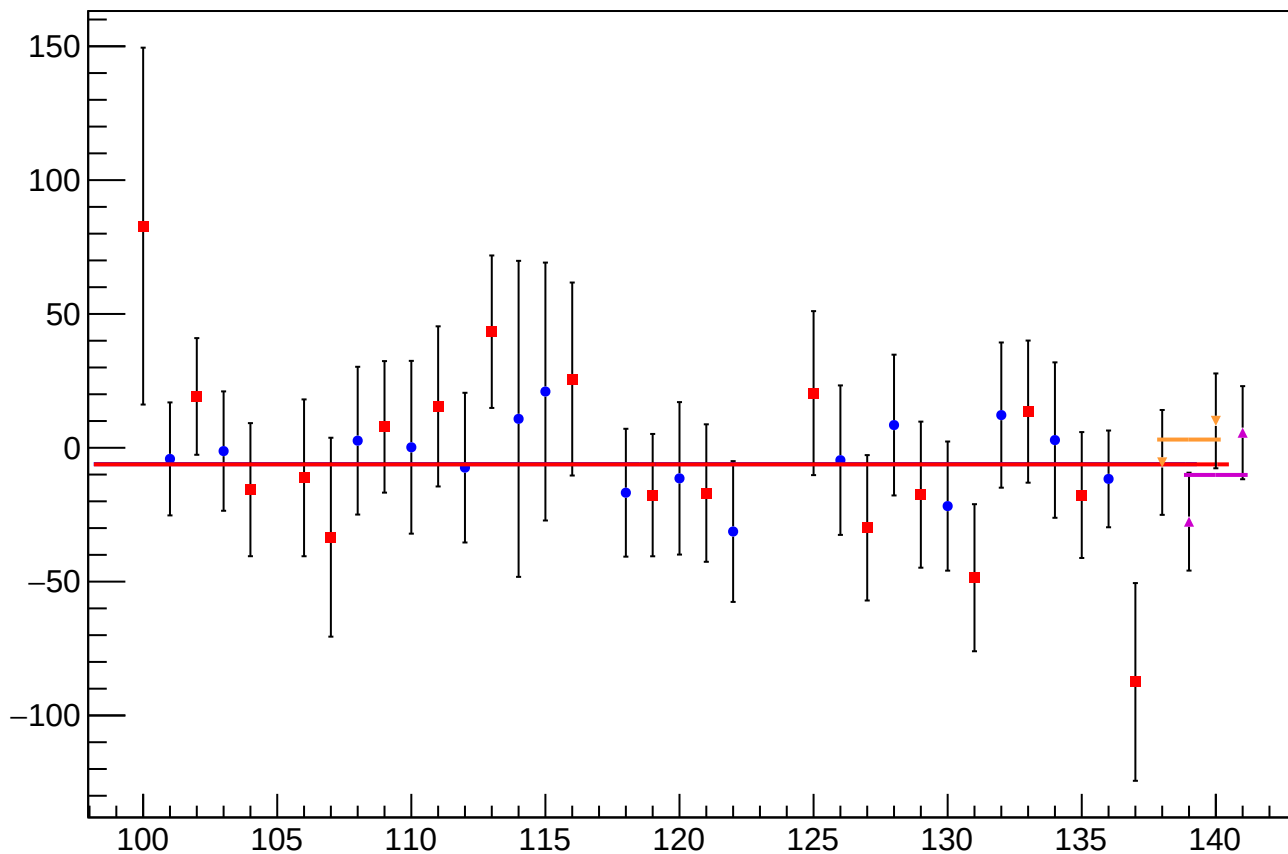
Left In: 209.217 $\pm$ 0.113 χ^2 /NDF:52.3/1

+ sign 198.507 $\pm$ 0.050 χ^2 /NDF: 1085899.0/17

All: 186.665 $\pm$ 0.033 χ^2 /NDF: 2896593.1/37

- sign 177.043 $\pm$ 0.045 χ^2 /NDF: 1707047.5/19

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119 ± 6.592 χ^2/NDF : 3.1/15

Left Out: 3.074 ± 13.139 χ^2/NDF : 0.3/1

Right Out: -6.195 ± 6.580 χ^2/NDF : 18.6/17

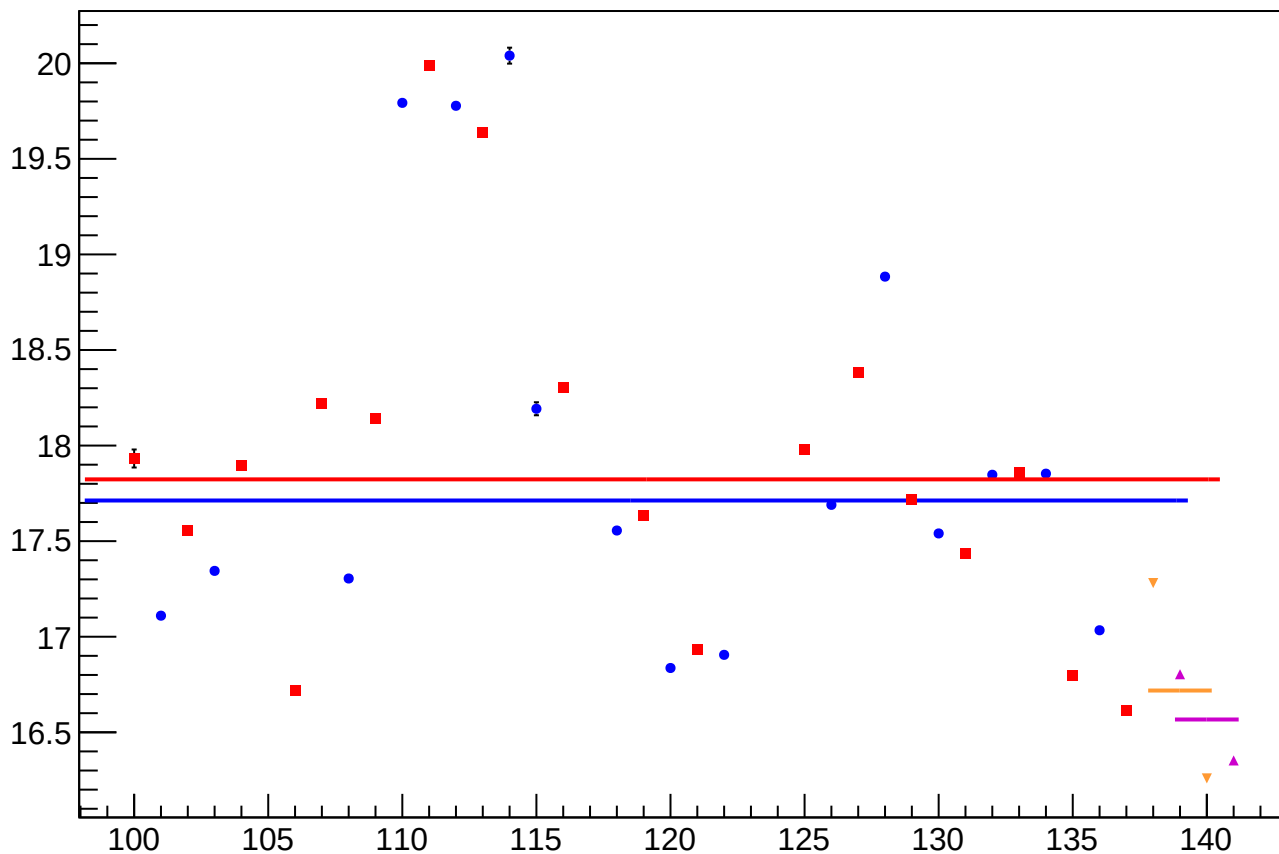
Left In: -10.143 ± 12.602 χ^2/NDF : 1.7/1

+ sign -4.270 ± 5.892 χ^2/NDF : 3.9/17

All: -5.669 ± 4.145 χ^2/NDF : 24.4/37

- sign -7.040 ± 5.833 χ^2/NDF : 20.4/19

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713 $\pm$ 0.005 χ^2 /NDF: 35983.5/15

Left Out: 16.719 $\pm$ 0.009 χ^2 /NDF: 2994.4/1

Right Out: 17.823 $\pm$ 0.005 χ^2 /NDF: 32502.9/17

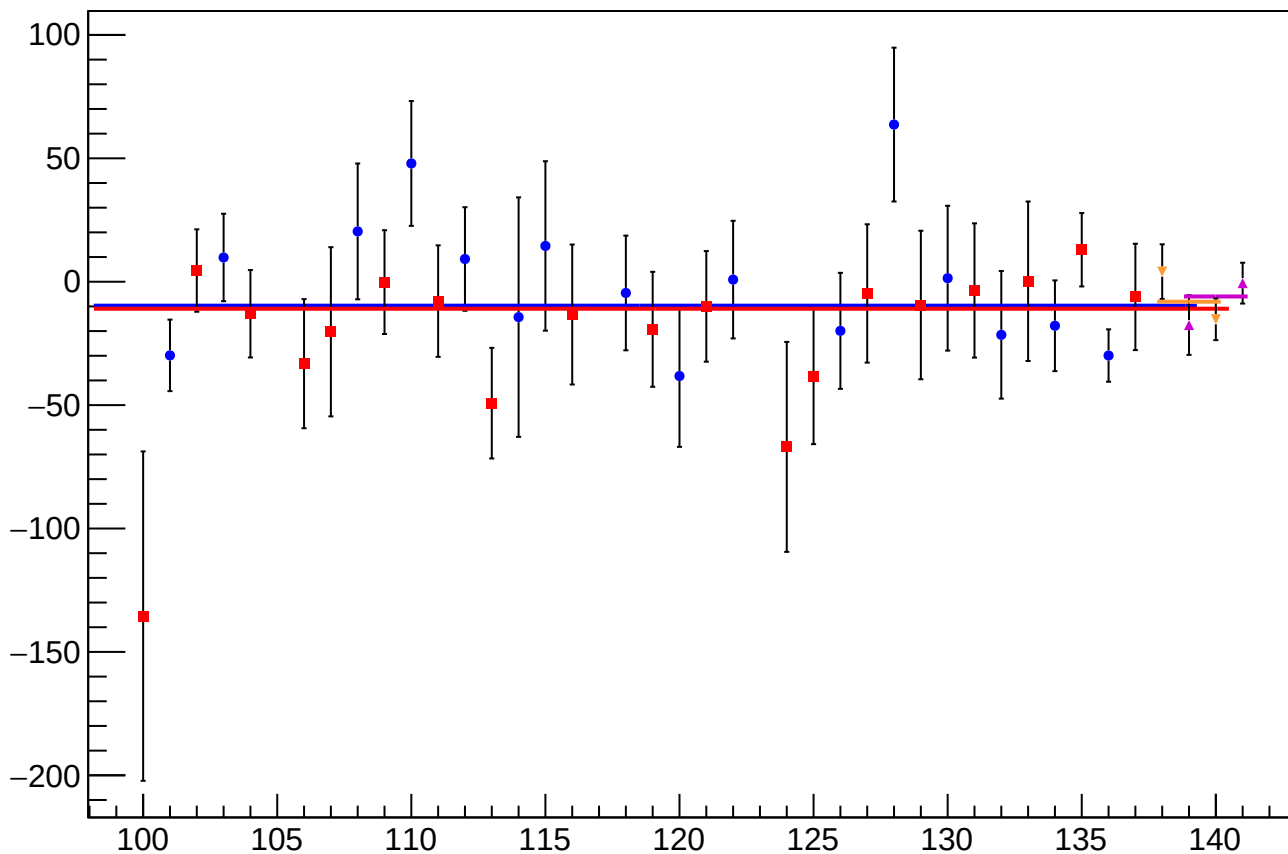
Left In: 16.567 $\pm$ 0.009 χ^2 /NDF: 638.7/1

+ sign 17.513 $\pm$ 0.004 χ^2 /NDF: 48124.6/17

All: 17.534 $\pm$ 0.003 χ^2 /NDF: 96929.9/37

- sign 17.554 $\pm$ 0.004 χ^2 /NDF: 48755.5/19

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

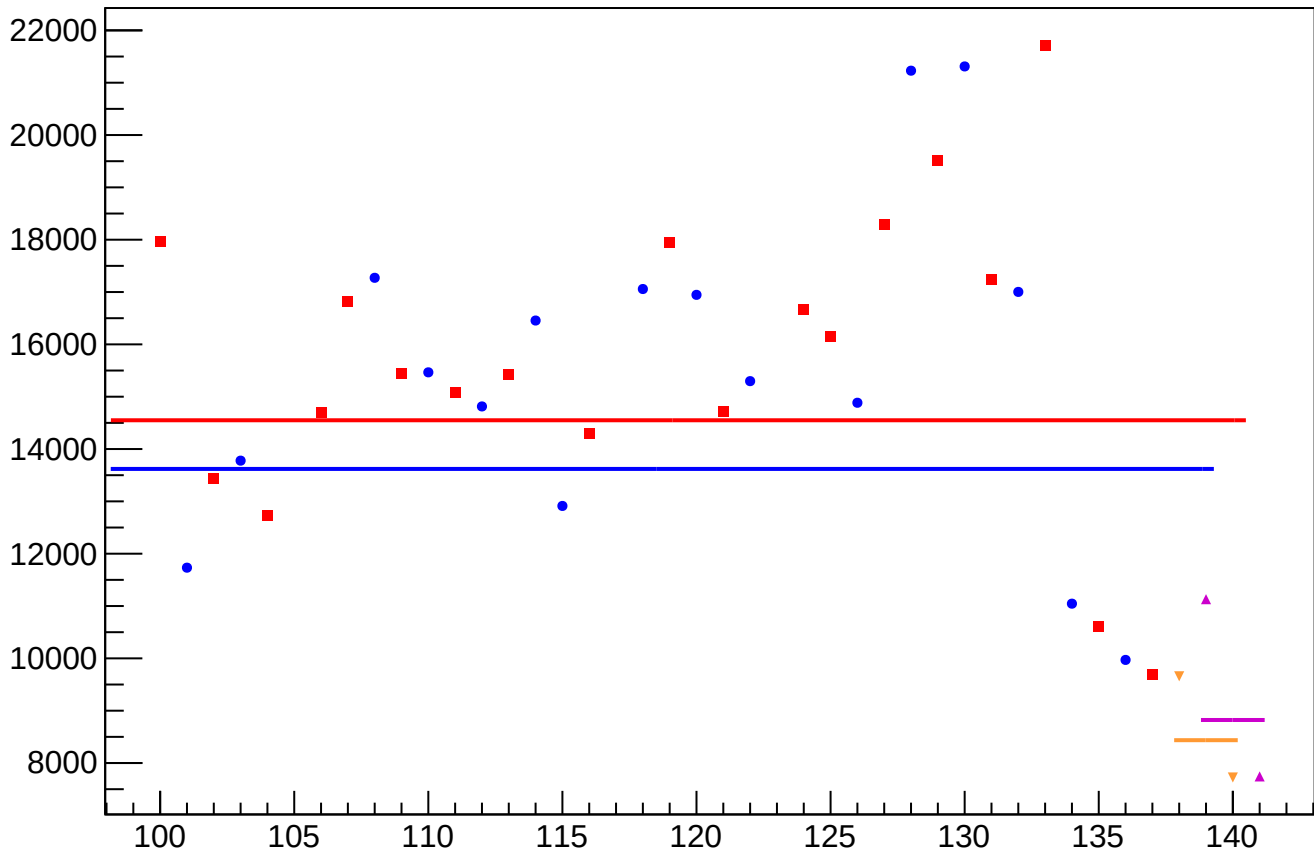
Left In: -5.972 $\pm$ 6.829 χ^2 /NDF: 1.3/1

+ sign -9.095 $\pm$ 4.128 χ^2 /NDF: 23.9/17

All: -9.054 $\pm$ 2.962 χ^2 /NDF: 39.7/38

- sign -9.012 $\pm$ 4.253 χ^2 /NDF: 15.7/20

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

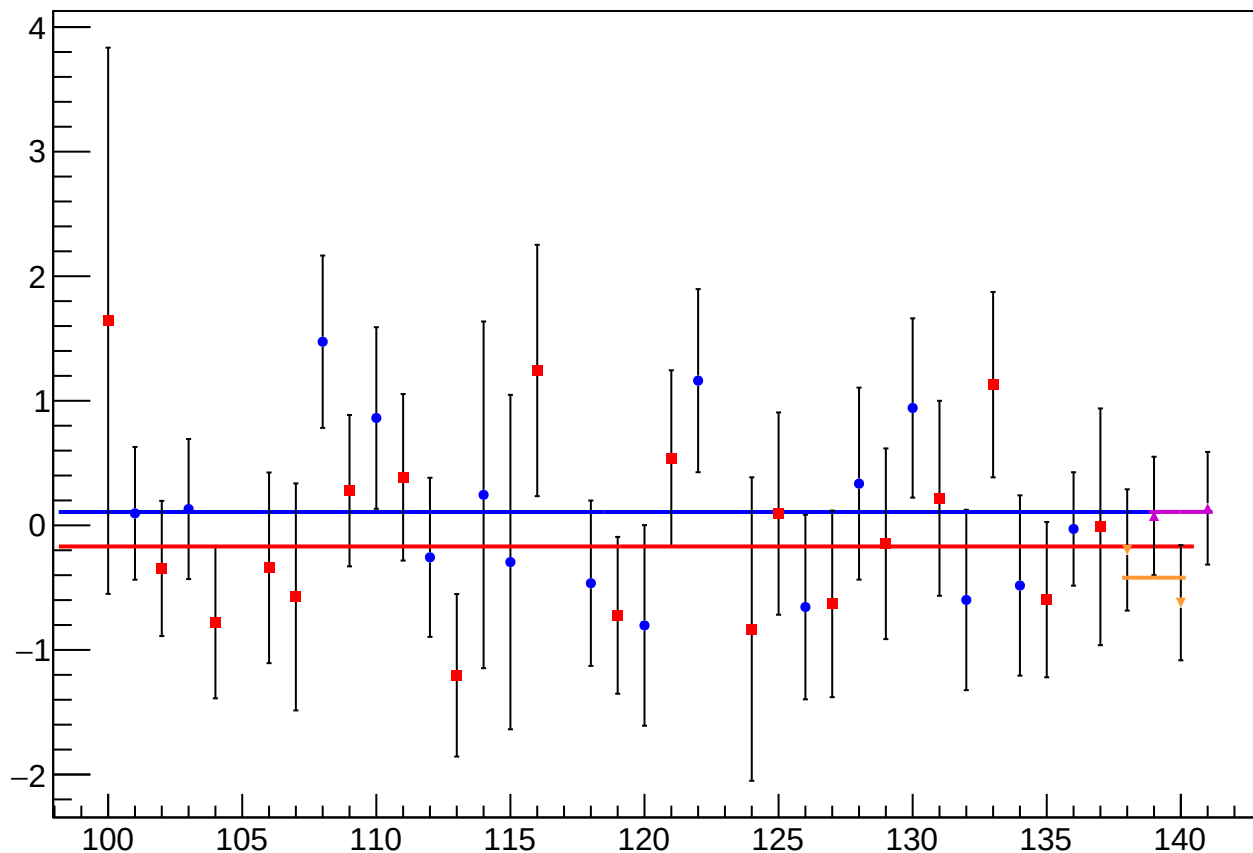
Left In: 8822.370 $\pm$ 4.829 χ^2 /NDF:106752.6/1

+ sign 11663.120 $\pm$ 2.919 χ^2 /NDF: 1526751.9/17

All: 11985.613 $\pm$ 2.094 χ^2 /NDF: 3075692.9/3

- sign 12328.029 $\pm$ 3.007 χ^2 /NDF: 1523768.0/20

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107 ± 0.172 χ^2/NDF : 13.7/15

Left Out: -0.420 ± 0.335 χ^2/NDF : 0.4/1

Right Out: -0.169 ± 0.169 χ^2/NDF : 14.1/18

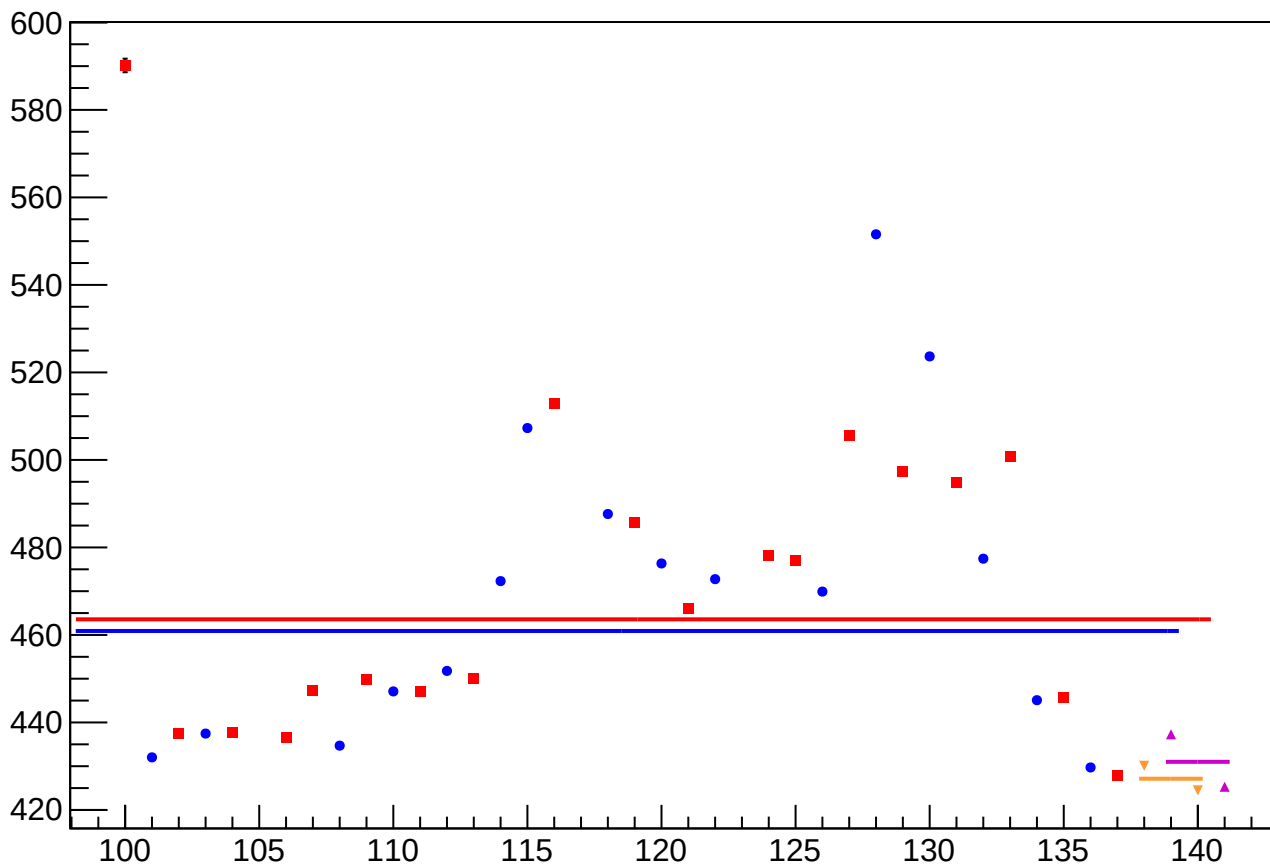
Left In: 0.108 ± 0.328 χ^2/NDF : 0.0/1

+ sign -0.002 ± 0.153 χ^2/NDF : 16.0/17

All: -0.057 ± 0.107 χ^2/NDF : 31.0/38

- sign -0.111 ± 0.150 χ^2/NDF : 14.7/20

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

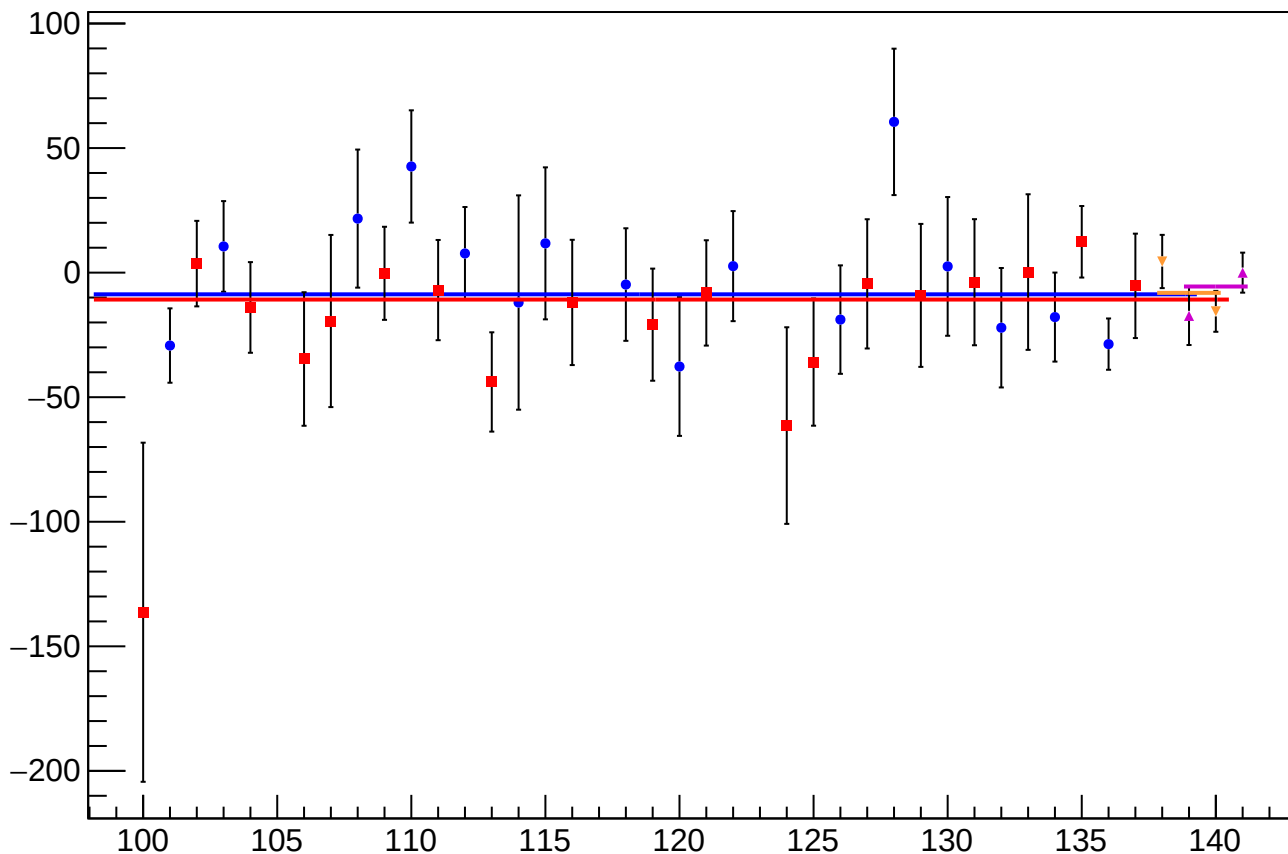
Left In: 431.002 ± 0.232 χ^2/NDF : 668.2/1

+ sign 453.889 ± 0.108 χ^2/NDF : 91141.4/17

All: 455.315 ± 0.076 χ^2/NDF : 159929.5/38

- sign 456.697 ± 0.106 χ^2/NDF : 68445.3/20

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707 $\pm$ 5.036 χ^2/NDF : 22.3/15

Left Out: -8.120 $\pm$ 6.508 χ^2/NDF : 2.2/1

Right Out: -10.807 $\pm$ 5.192 χ^2/NDF : 13.9/18

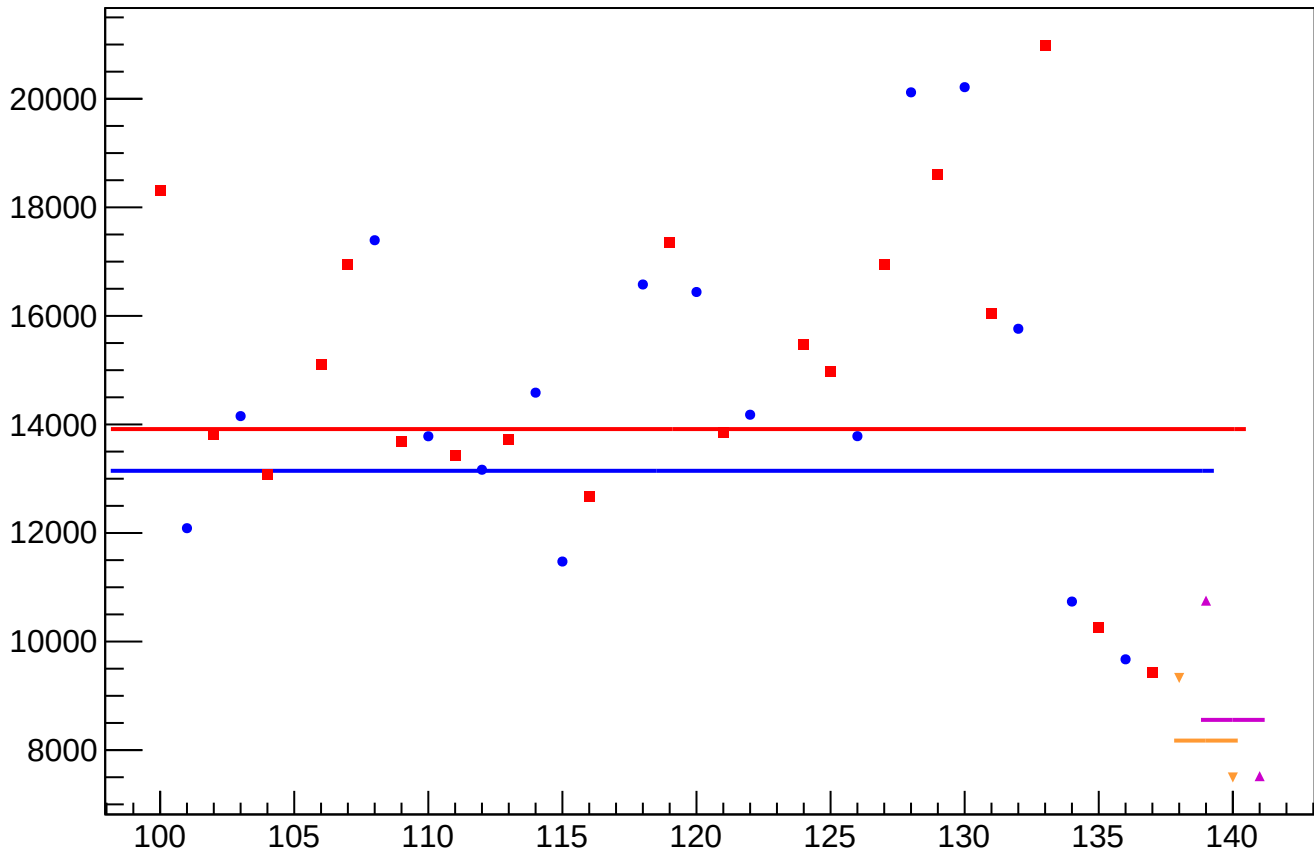
Left In: -5.570 $\pm$ 6.620 χ^2/NDF : 1.5/1

+ sign -8.488 $\pm$ 3.983 χ^2/NDF : 24.5/17

All: -8.646 $\pm$ 2.852 χ^2/NDF : 40.2/38

- sign -8.813 $\pm$ 4.085 χ^2/NDF : 15.8/20

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853 $\pm$ 3.561 χ^2 /NDF: 682620.1/15

Left Out: 8175.233 $\pm$ 4.602 χ^2 /NDF:37043.8/1

+ sign 11284.327 $\pm$ 2.816 χ^2 /NDF: 1449427.0/17

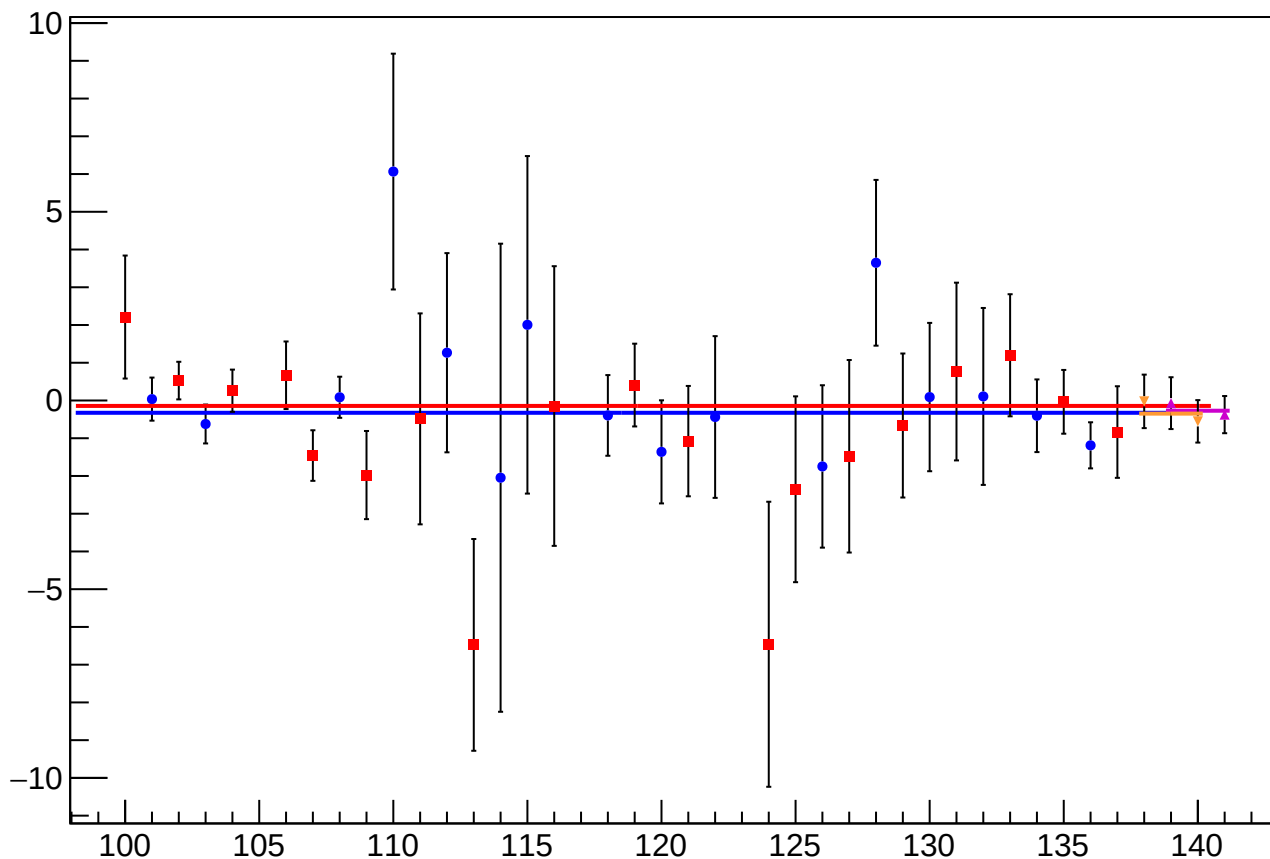
Right Out: 13914.770 $\pm$ 3.671 χ^2 /NDF: 511000.7/18

All: 11571.916 $\pm$ 2.016 χ^2 /NDF: 2896968.2/3

- sign 11874.508 $\pm$ 2.889 χ^2 /NDF: 1426140.1/20

Left In: 8556.704 $\pm$ 4.681 χ^2 /NDF:103936.8/1

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

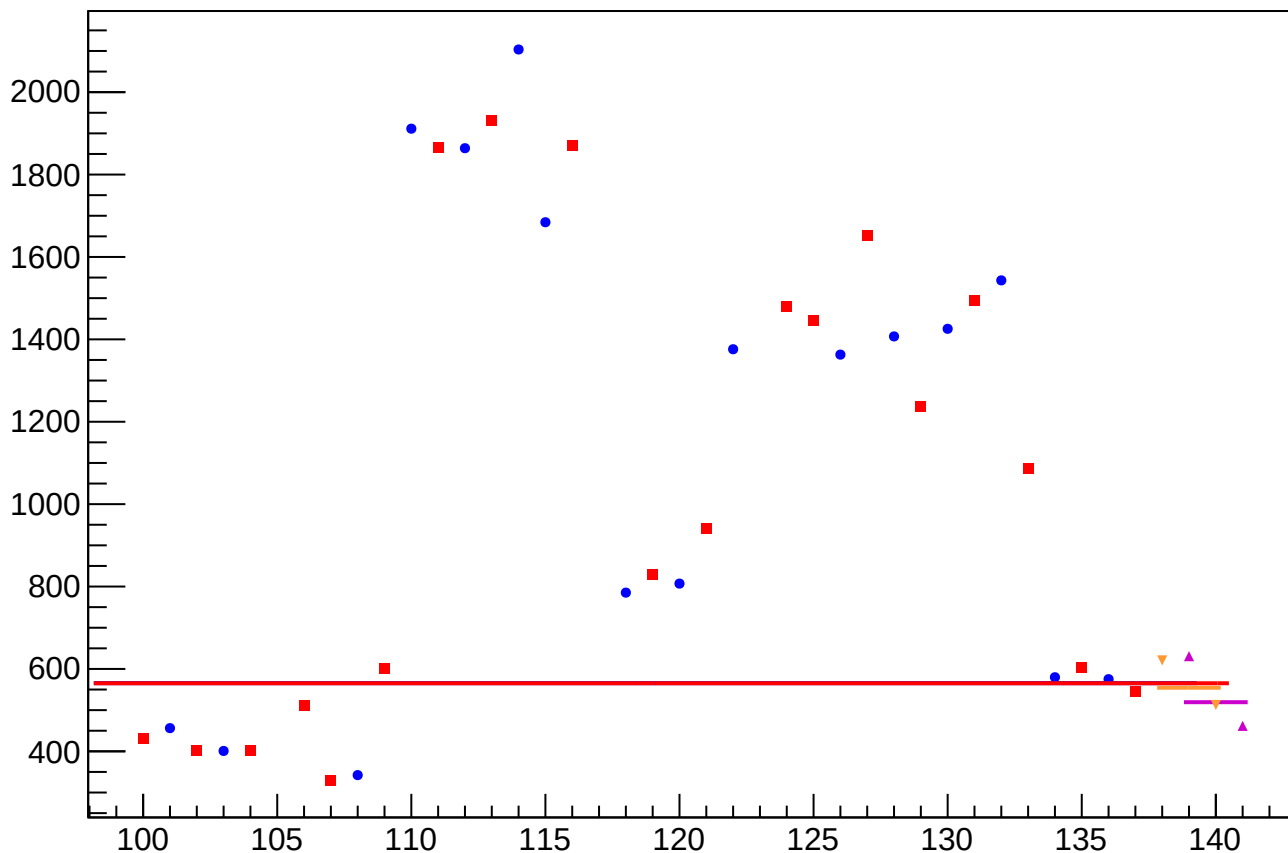
Left In: -0.271 ± 0.400 χ^2/NDF : 0.1/1

+ sign -0.331 ± 0.214 χ^2/NDF : 12.9/17

All: -0.253 ± 0.149 χ^2/NDF : 35.8/38

- sign -0.178 ± 0.209 χ^2/NDF : 22.7/20

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531 $\pm$ 0.173 χ^2 /NDF: 3450533.8/15

Left Out: 554.402 $\pm$ 0.312 χ^2 /NDF:28548.5/1

Right Out: 565.223 $\pm$ 0.173 χ^2 /NDF: 3571620.7/18

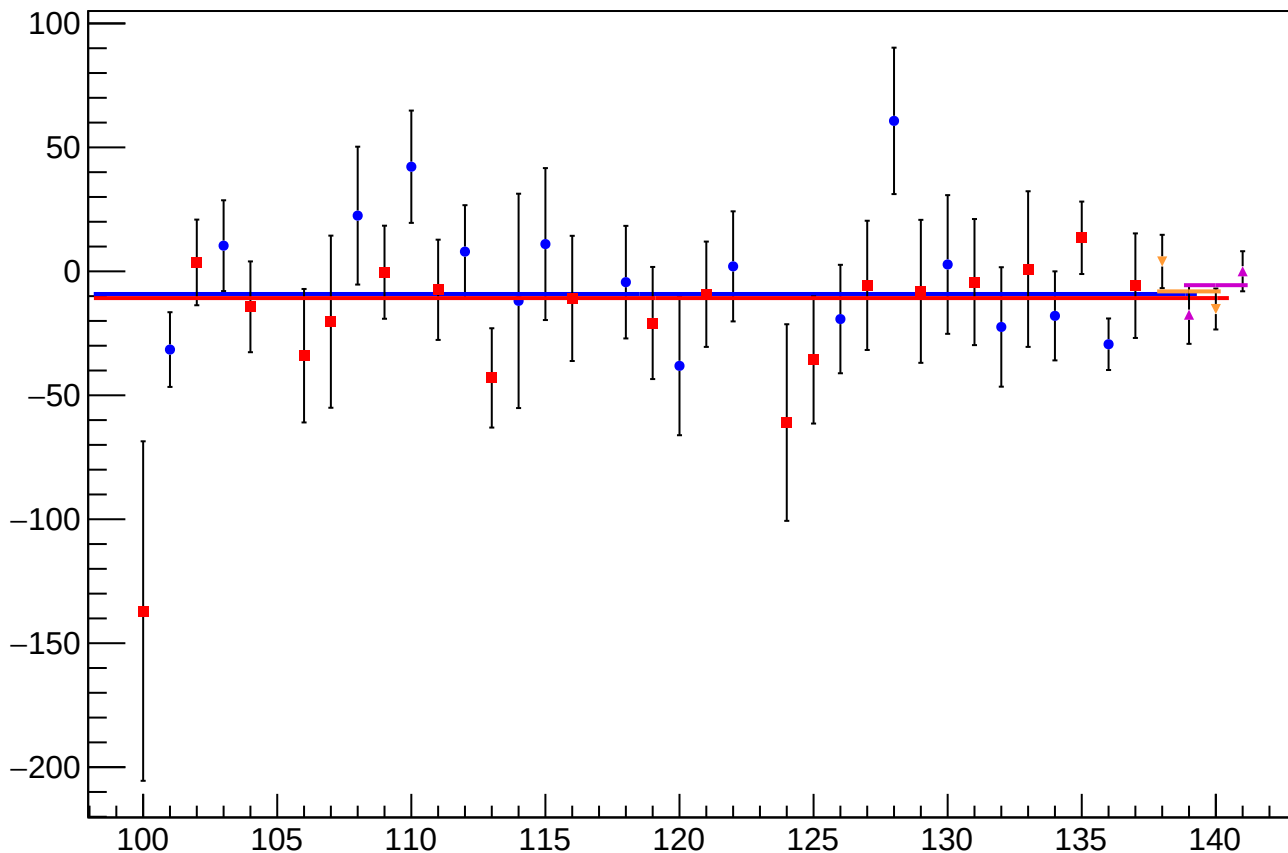
Left In: 519.286 $\pm$ 0.283 χ^2 /NDF:80115.8/1

+ sign 562.917 $\pm$ 0.151 χ^2 /NDF: 3480058.7/17

All: 557.713 $\pm$ 0.106 χ^2 /NDF: 7153306.9/38

- sign 552.749 $\pm$ 0.147 χ^2 /NDF: 3670927.7/20

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

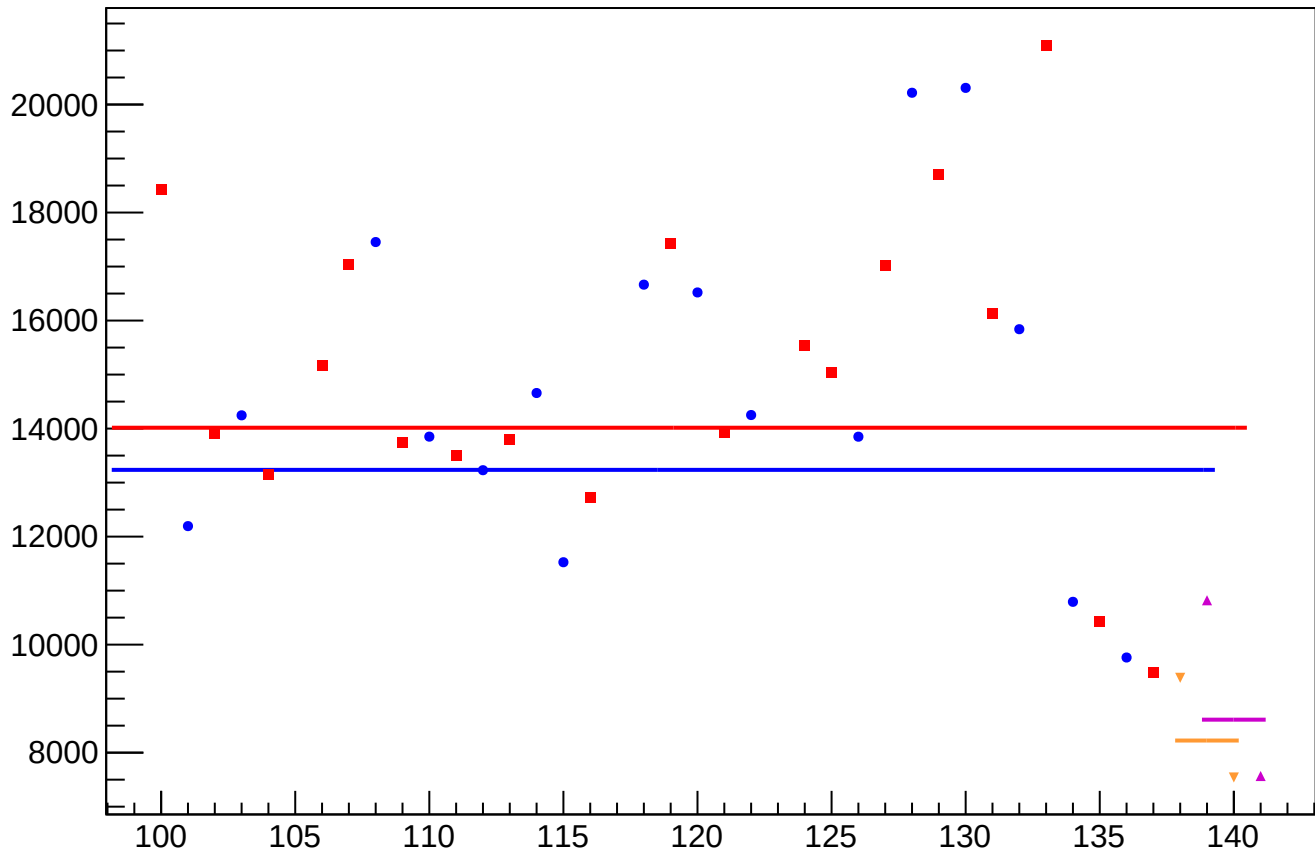
Left In: -5.579 $\pm$ 6.662 χ^2 /NDF: 1.5/1

+ sign -8.739 $\pm$ 4.008 χ^2 /NDF: 24.8/17

All: -8.770 $\pm$ 2.870 χ^2 /NDF: 40.3/38

- sign -8.803 $\pm$ 4.113 χ^2 /NDF: 15.6/20

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

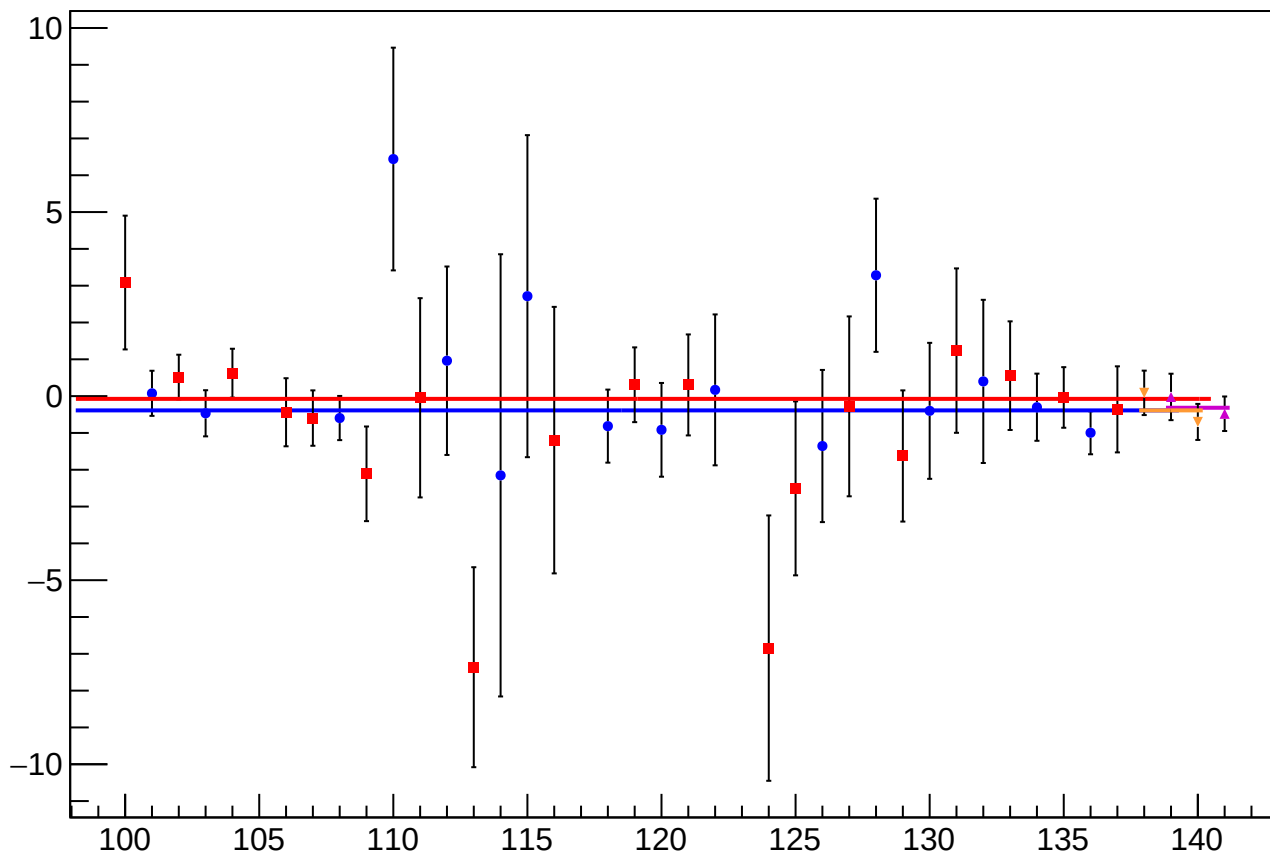
Left In: 8610.782+/-4.711 χ^2/NDF :103915.4/1

+ sign 11357.595+/-2.834 χ^2/NDF : 1443526.5/17

All: 11649.260+/-2.030 χ^2/NDF : 2882632.7/3

- sign 11956.299+/-2.908 χ^2/NDF : 1417368.4/20

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388 ± 0.256 χ^2/NDF : 11.7/15

Left Out: -0.387 ± 0.380 χ^2/NDF : 1.0/1

Right Out: -0.075 ± 0.265 χ^2/NDF : 21.7/18

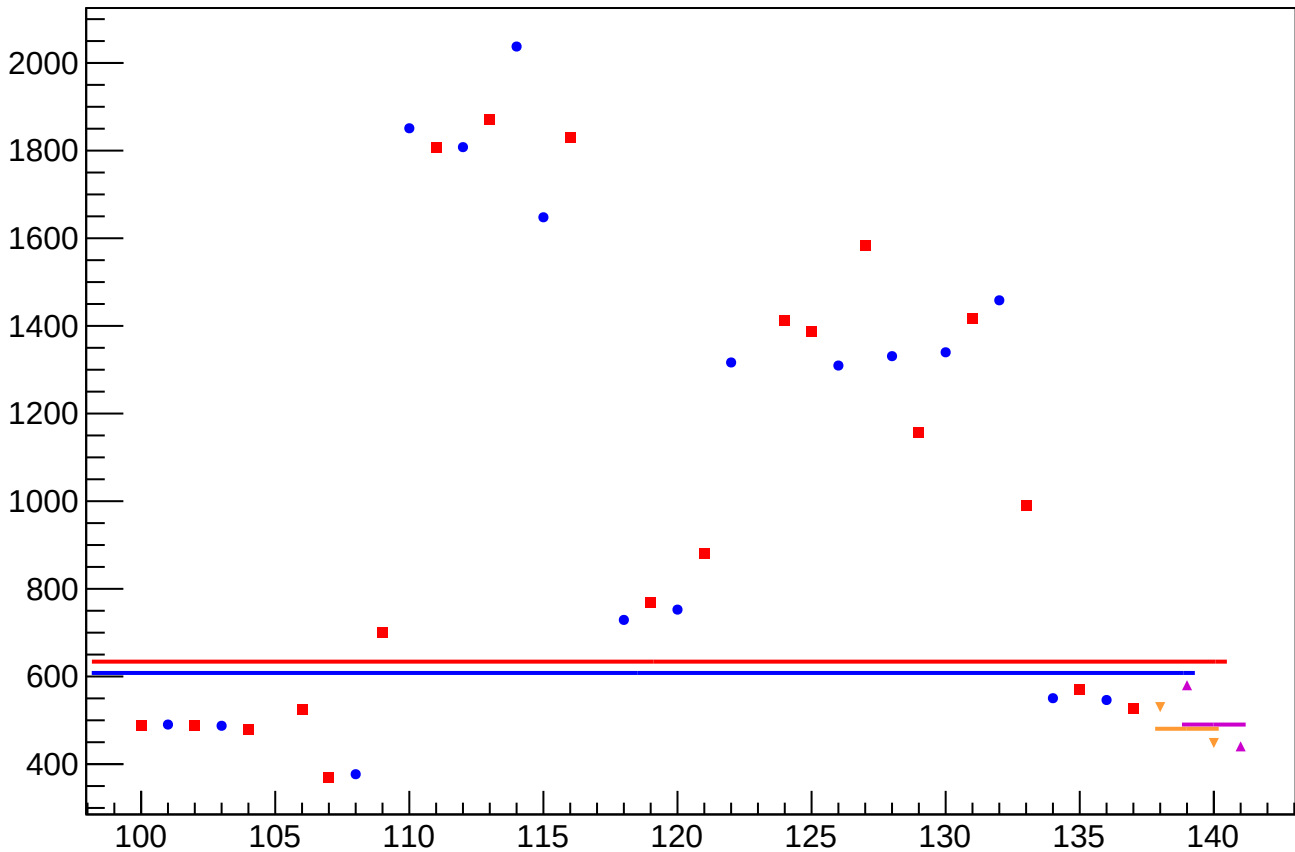
Left In: -0.316 ± 0.376 χ^2/NDF : 0.3/1

+ sign -0.388 ± 0.212 χ^2/NDF : 12.7/17

All: -0.273 ± 0.152 χ^2/NDF : 35.6/38

- sign -0.154 ± 0.216 χ^2/NDF : 22.3/20

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF : 2852722.1/15

Left Out: 480.713+/-0.269 χ^2/NDF :22220.0/1

+ sign 568.393+/-0.150 χ^2/NDF : 3029473.7/17

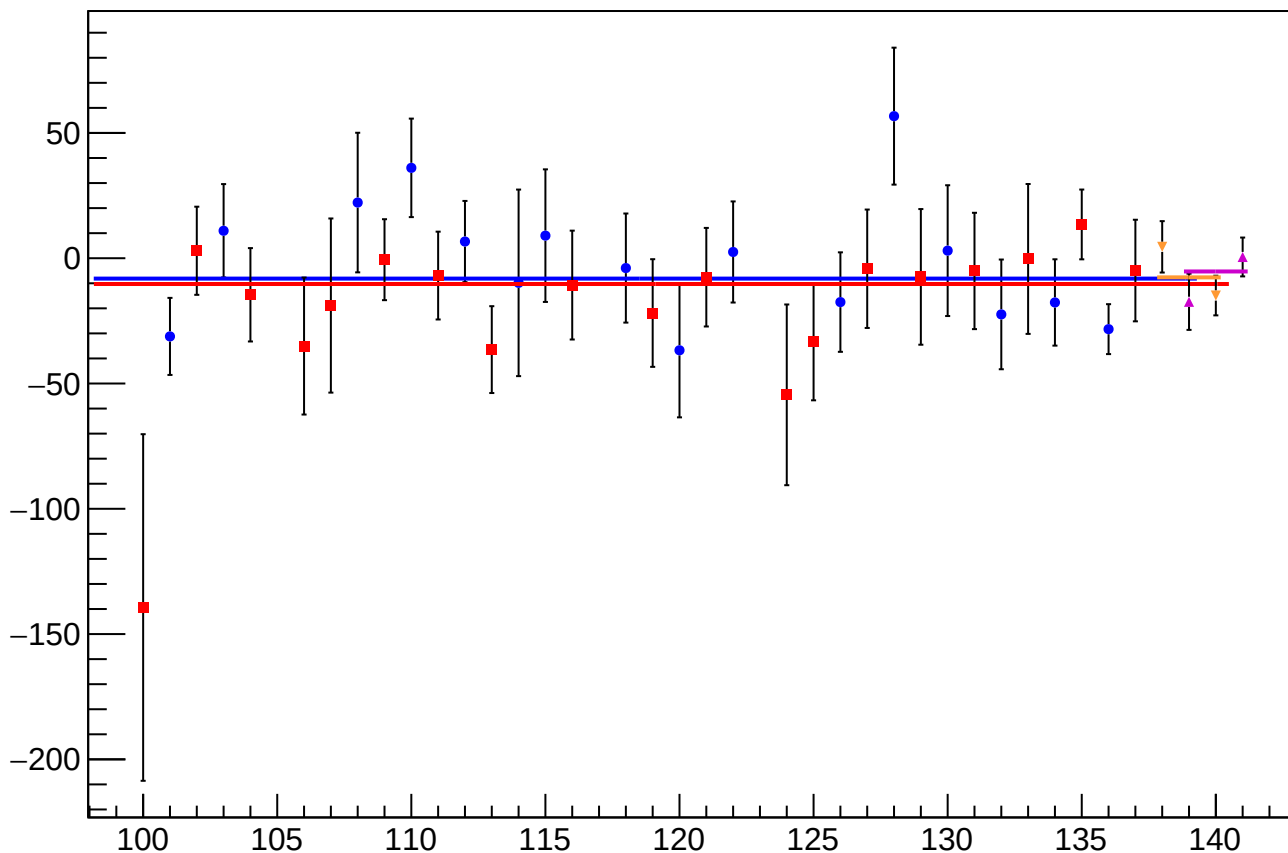
Right Out: 633.883+/-0.187 χ^2/NDF : 2788449.1/18

All: 577.220+/-0.107 χ^2/NDF : 6082830.3/38

- sign 586.403+/-0.153 χ^2/NDF : 3046293.6/20

Left In: 490.284+/-0.266 χ^2/NDF :62964.1/1

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132 $\pm$ 4.779 χ^2 /NDF: 23.1/15

Left Out: -7.640 $\pm$ 6.264 χ^2 /NDF: 2.3/1

Right Out: -10.288 $\pm$ 4.873 χ^2 /NDF: 13.7/18

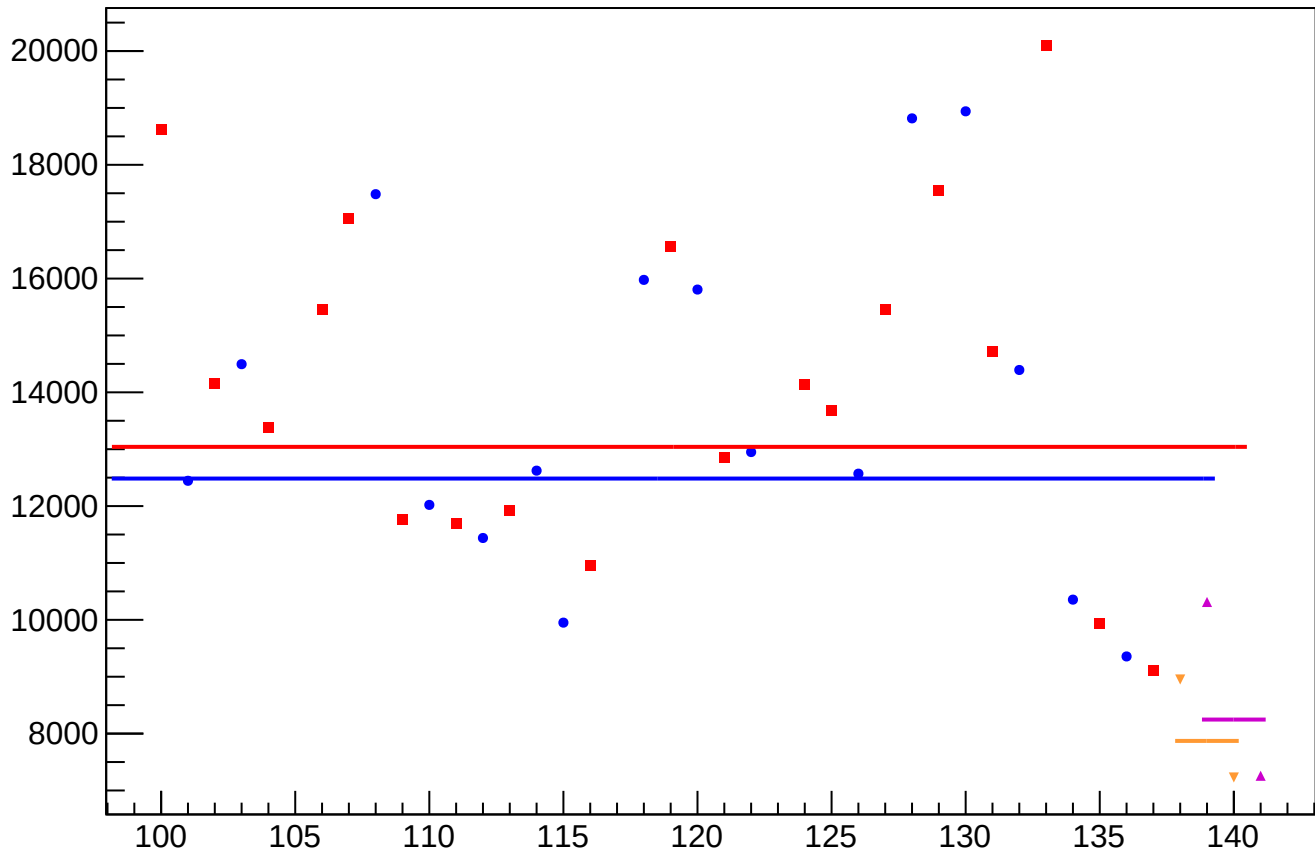
Left In: -5.284 $\pm$ 6.377 χ^2 /NDF: 1.7/1

+ sign -7.951 $\pm$ 3.799 χ^2 /NDF: 25.4/17

All: -8.192 $\pm$ 2.712 χ^2 /NDF: 41.2/38

- sign -8.443 $\pm$ 3.872 χ^2 /NDF: 15.8/20

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

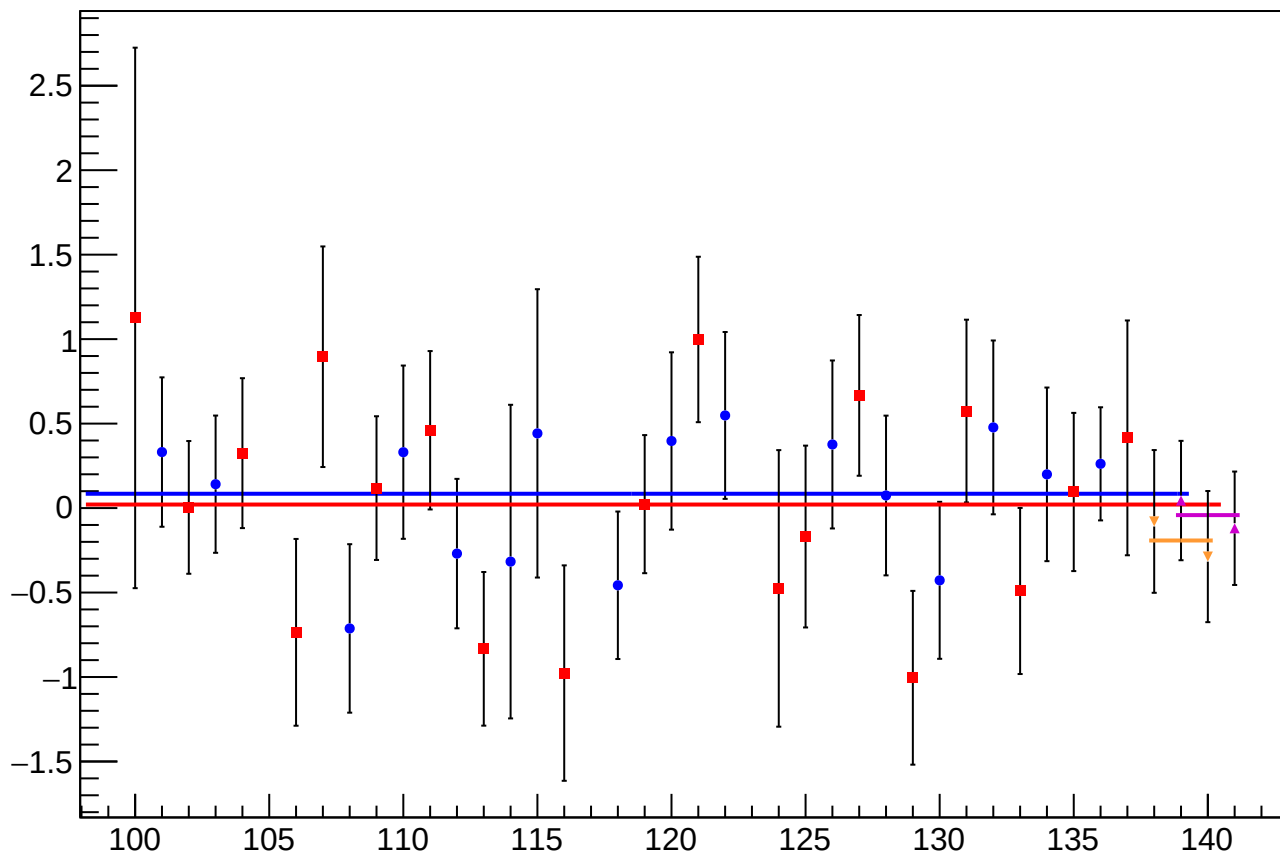
Left In: 8246.765 $\pm$ 4.509 χ^2 /NDF:100457.6/1

+ sign 10786.823 $\pm$ 2.687 χ^2 /NDF: 1392442.2/17

All: 11025.583 $\pm$ 1.918 χ^2 /NDF: 2767179.9/3

- sign 11273.562 $\pm$ 2.738 χ^2 /NDF: 1358637.3/20

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085 ± 0.120 χ^2/NDF : 9.4/15

Left Out: -0.192 ± 0.286 χ^2/NDF : 0.1/1

Right Out: 0.021 ± 0.117 χ^2/NDF : 24.3/18

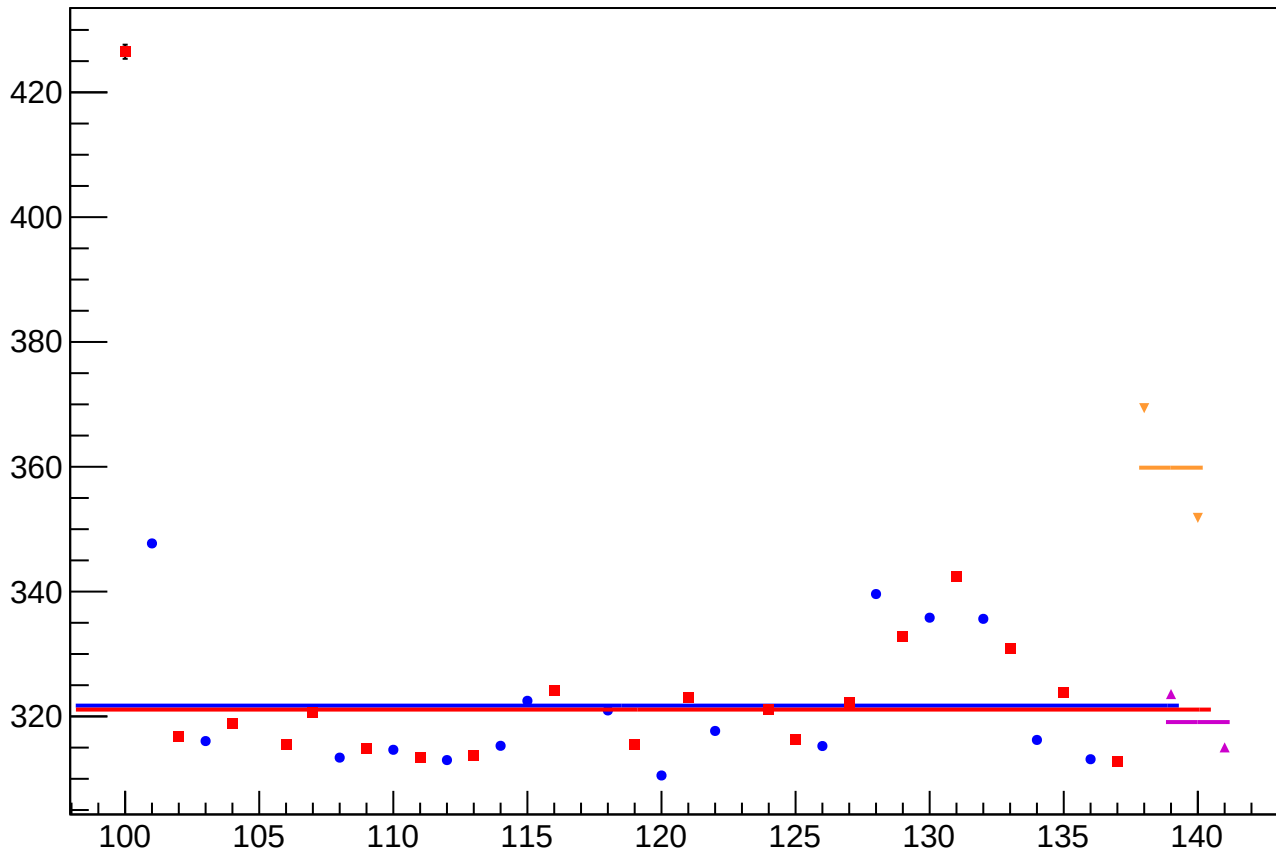
Left In: -0.042 ± 0.243 χ^2/NDF : 0.1/1

+ sign 0.043 ± 0.111 χ^2/NDF : 10.3/17

All: 0.025 ± 0.077 χ^2/NDF : 34.8/38

- sign 0.009 ± 0.106 χ^2/NDF : 24.5/20

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

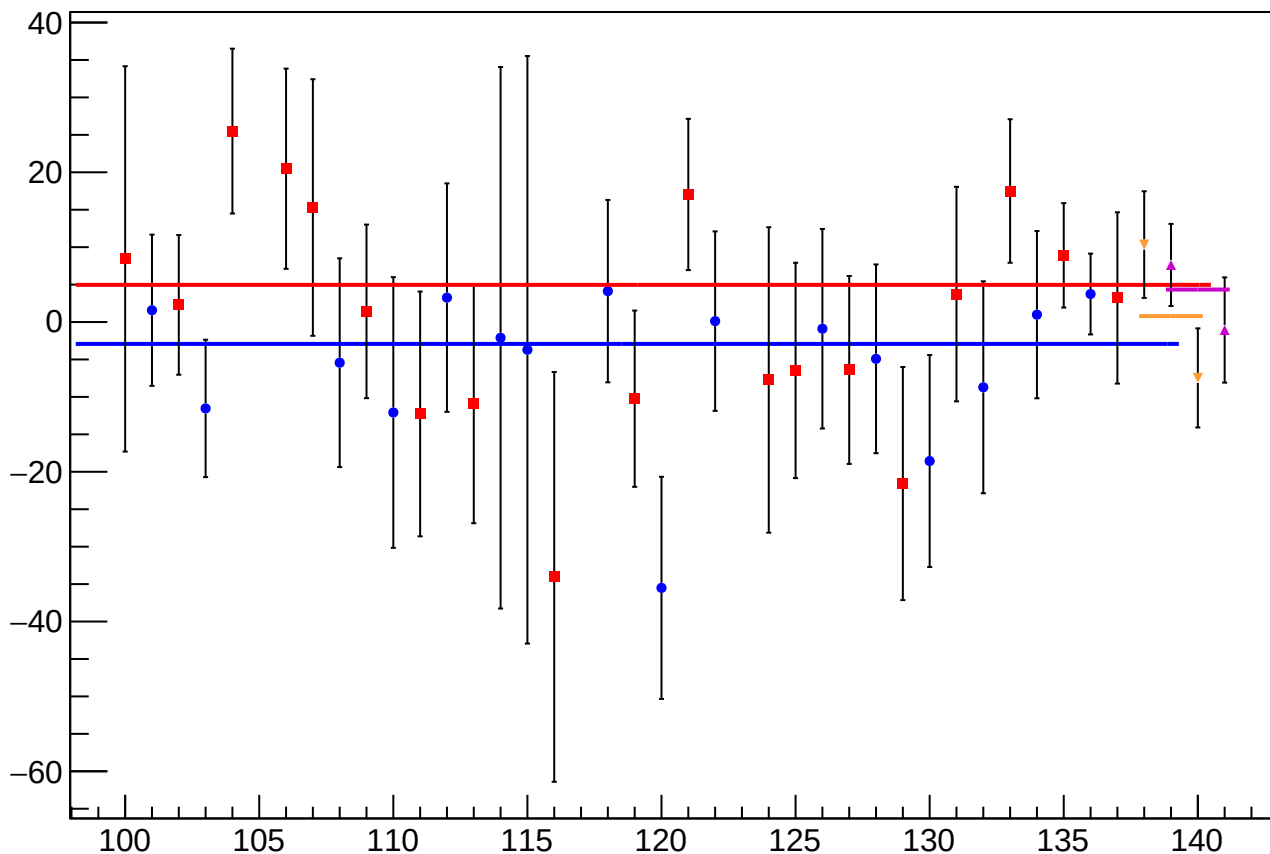
Left In: 319.092 $\pm$ 0.172 χ^2 /NDF:615.0/1

+ sign 327.453 $\pm$ 0.078 χ^2 /NDF: 50337.5/17

All: 323.930 $\pm$ 0.054 χ^2 /NDF: 71512.2/38

- sign 320.714 $\pm$ 0.075 χ^2 /NDF: 17303.9/20

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922 ± 2.910 χ^2/NDF : 9.8/15

Left Out: 0.788 ± 4.849 χ^2/NDF : 3.4/1

Right Out: 4.965 ± 2.824 χ^2/NDF : 19.4/18

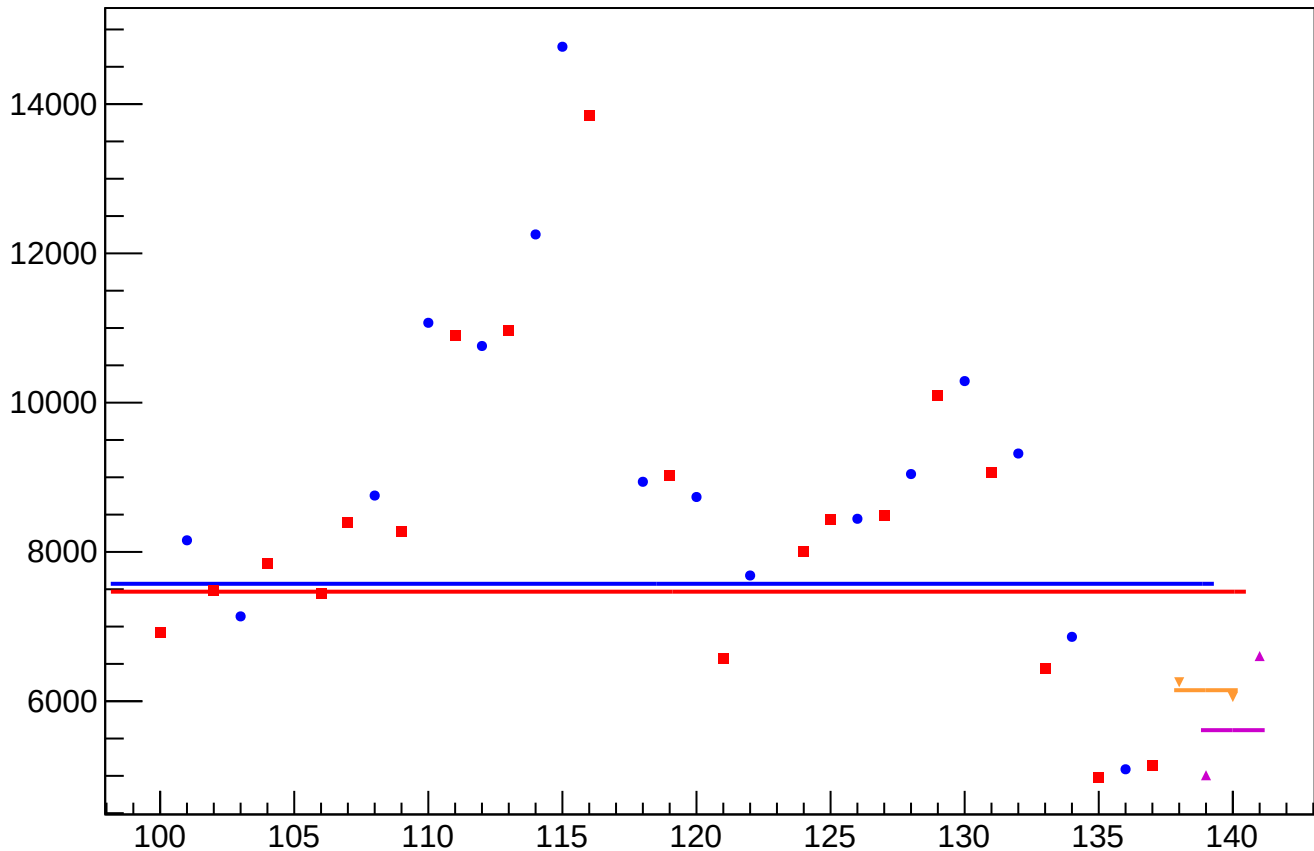
Left In: 4.339 ± 4.321 χ^2/NDF : 1.0/1

+ sign -1.939 ± 2.495 χ^2/NDF : 13.6/17

All: 1.601 ± 1.716 χ^2/NDF : 37.8/38

- sign 4.778 ± 2.364 χ^2/NDF : 20.4/20

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF : 897588.4/15

Left Out: 6147.477+/-3.428 χ^2/NDF : 827.8/1

Right Out: 7467.477+/-1.997 χ^2/NDF : 828353.3/18

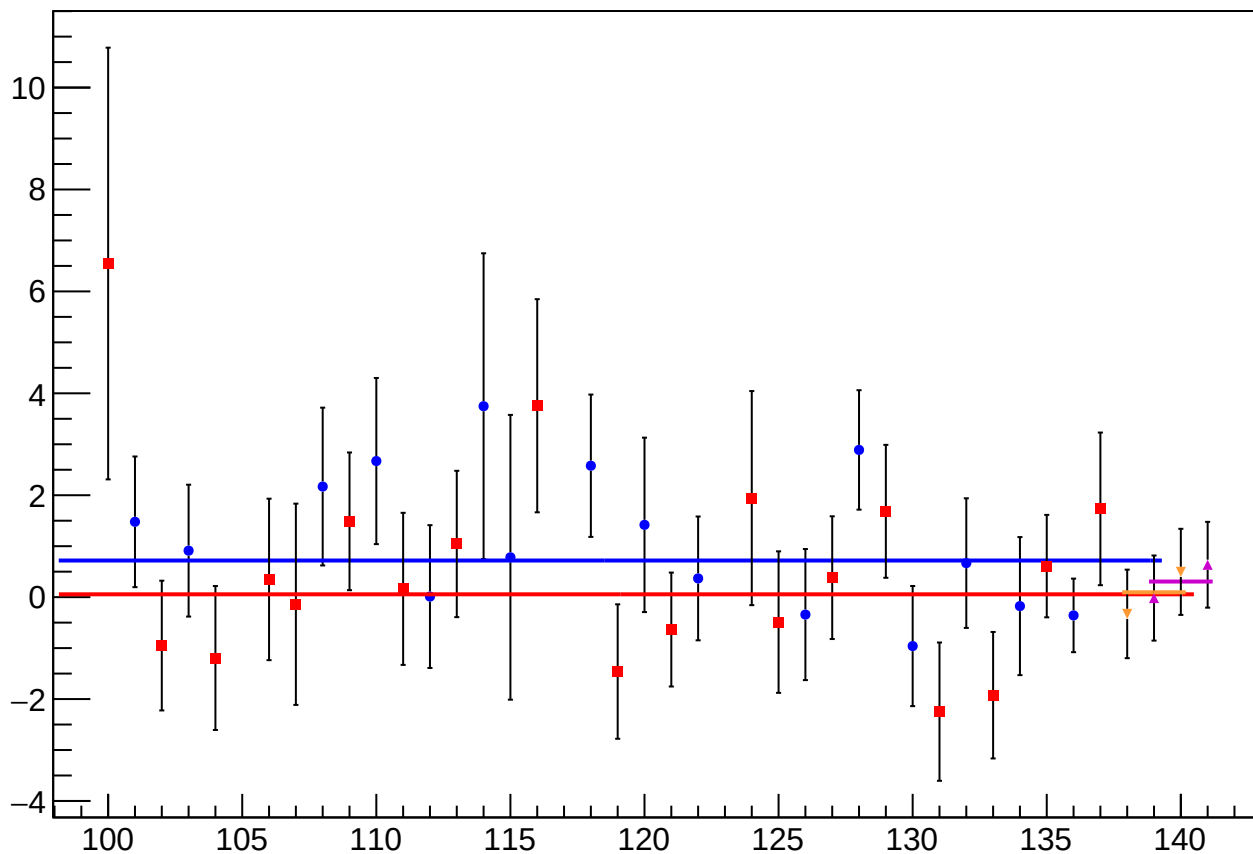
Left In: 5612.114+/-3.055 χ^2/NDF : 64238.3/1

+ sign 7195.549+/-1.764 χ^2/NDF : 1025538.1/17

All: 7046.199+/-1.213 χ^2/NDF : 2190113.6/38

- sign 6912.166+/-1.672 χ^2/NDF : 1150981.0/20

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719 ± 0.326 χ^2/NDF : 14.8/15

Left Out: 0.095 ± 0.606 χ^2/NDF : 0.5/1

Right Out: 0.056 ± 0.323 χ^2/NDF : 19.8/18

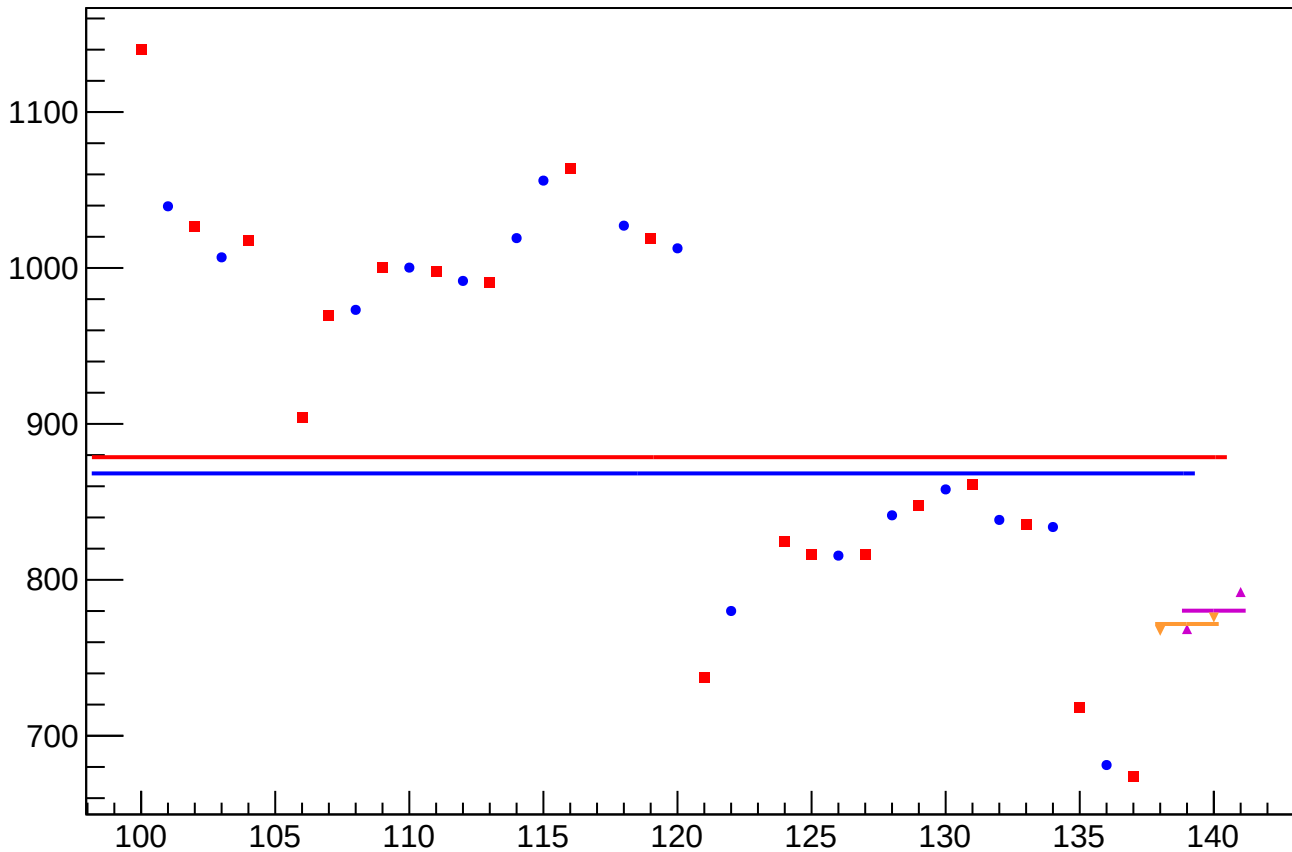
Left In: 0.306 ± 0.593 χ^2/NDF : 0.3/1

+ sign 0.579 ± 0.287 χ^2/NDF : 16.1/17

All: 0.343 ± 0.202 χ^2/NDF : 37.7/38

- sign 0.113 ± 0.284 χ^2/NDF : 20.3/20

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF : 302409.6/15

Left Out: 771.690+/-0.428 χ^2/NDF : 98.0/1

Right Out: 878.658+/-0.229 χ^2/NDF : 272530.7/18

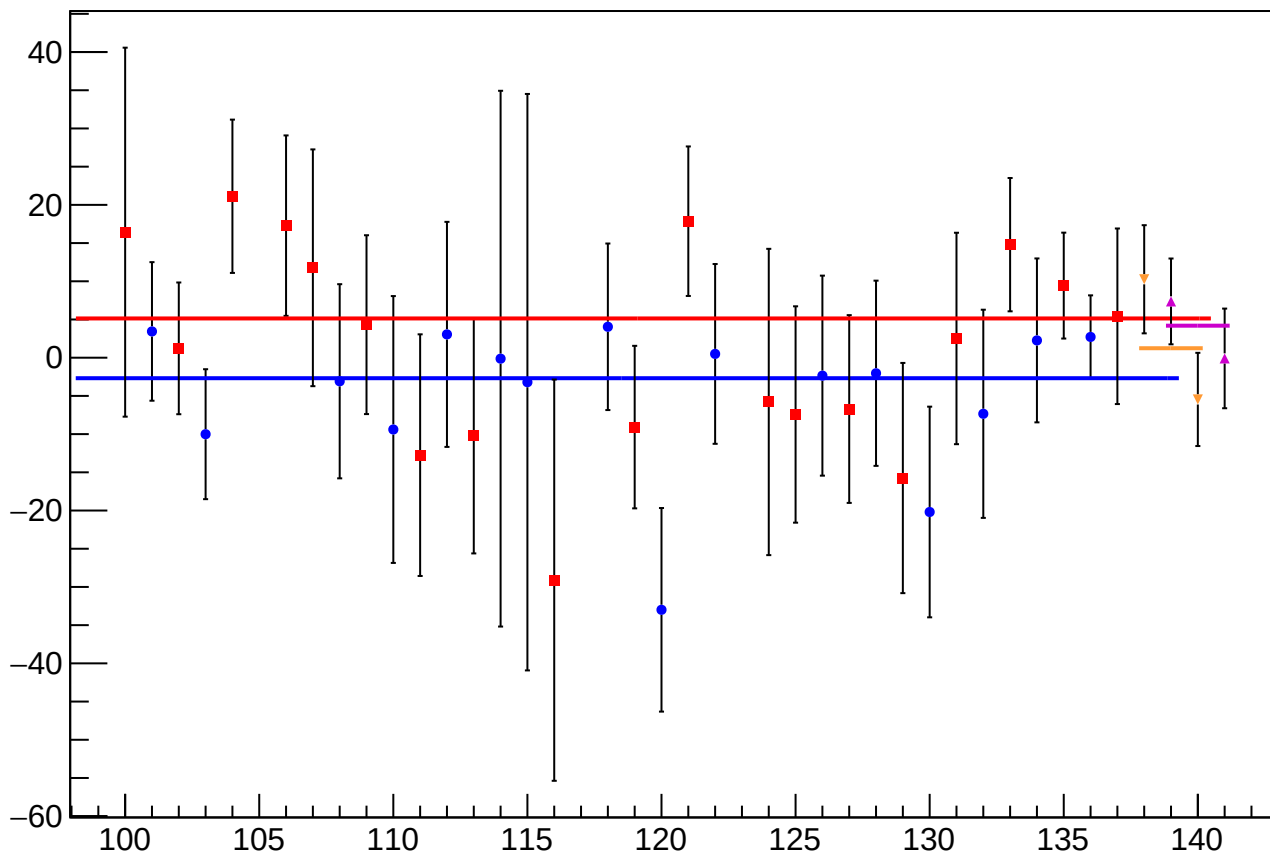
Left In: 780.223+/-0.419 χ^2/NDF : 801.8/1

+ sign 846.568+/-0.203 χ^2/NDF : 341931.7/17

All: 851.383+/-0.143 χ^2/NDF : 658860.2/38

- sign 856.095+/-0.201 χ^2/NDF : 315814.6/20

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683 ± 2.788 $\chi^2/\text{NDF}: 10.1/15$

Left Out: 1.239 ± 4.620 $\chi^2/\text{NDF}: 2.8/1$

Right Out: 5.136 ± 2.692 $\chi^2/\text{NDF}: 17.3/18$

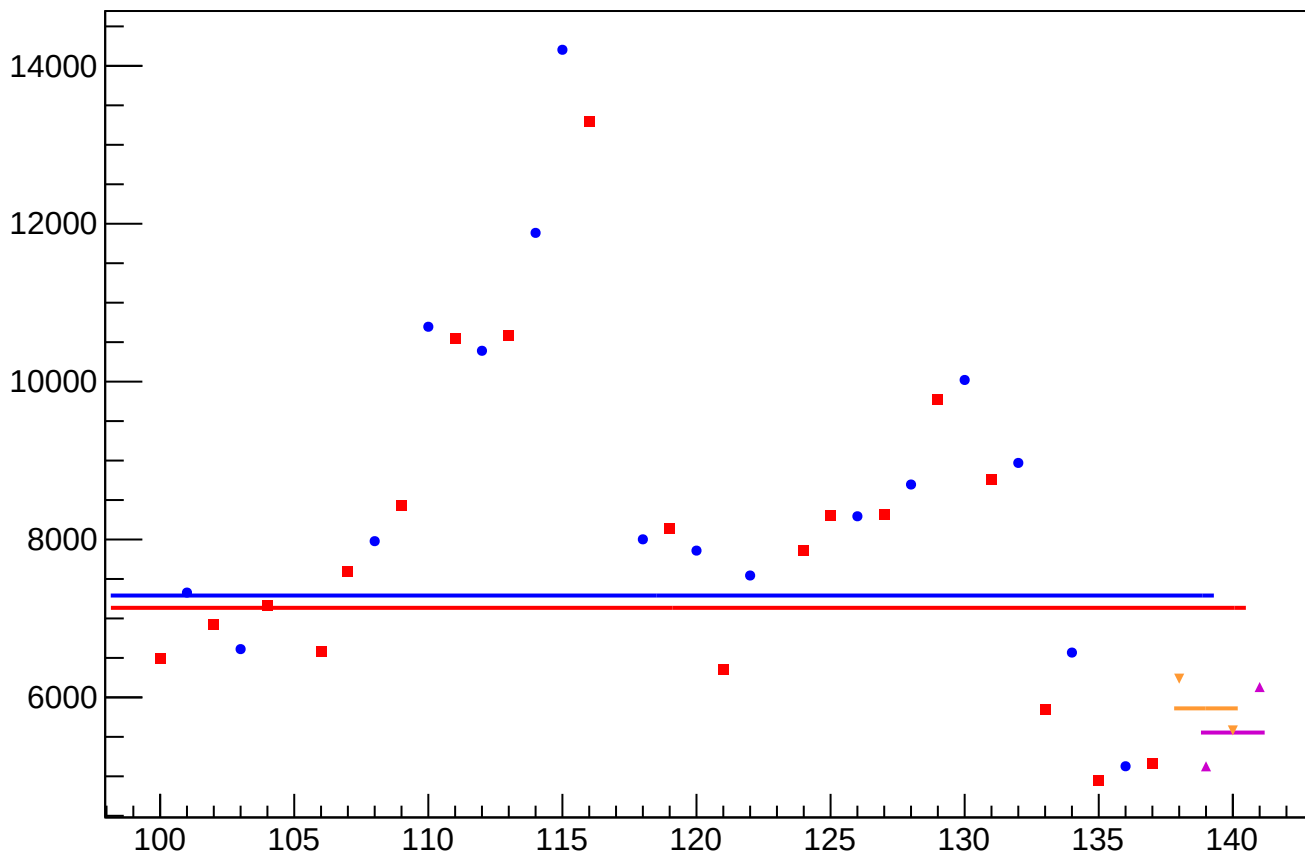
Left In: 4.190 ± 4.254 $\chi^2/\text{NDF}: 0.8/1$

+ sign -1.636 ± 2.387 $\chi^2/\text{NDF}: 13.4/17$

All: 1.772 ± 1.647 $\chi^2/\text{NDF}: 35.4/38$

- sign 4.866 ± 2.275 $\chi^2/\text{NDF}: 18.0/20$

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF : 770518.2/15

Left Out: 5860.704+/-3.267 χ^2/NDF : 9856.0/1

Right Out: 7134.411+/-1.903 χ^2/NDF : 792788.1/18

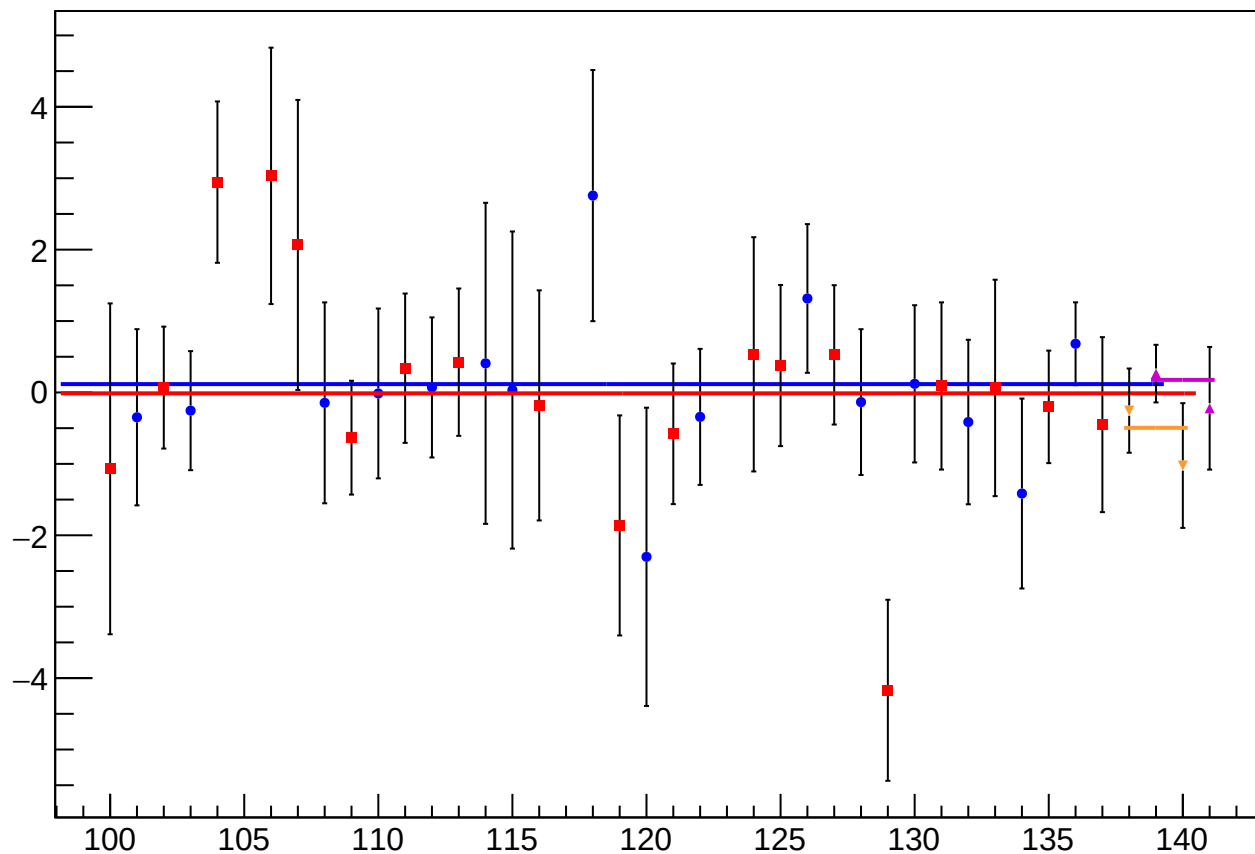
Left In: 5554.404+/-3.008 χ^2/NDF : 27243.2/1

+ sign 6908.571+/-1.688 χ^2/NDF : 920745.1/17

All: 6790.189+/-1.164 χ^2/NDF : 1947149.1/38

- sign 6682.687+/-1.609 χ^2/NDF : 1017018.6/20

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117 ± 0.273 χ^2/NDF : 8.1/15

Left Out: -0.495 ± 0.489 χ^2/NDF : 0.5/1

Right Out: -0.012 ± 0.263 χ^2/NDF : 25.2/18

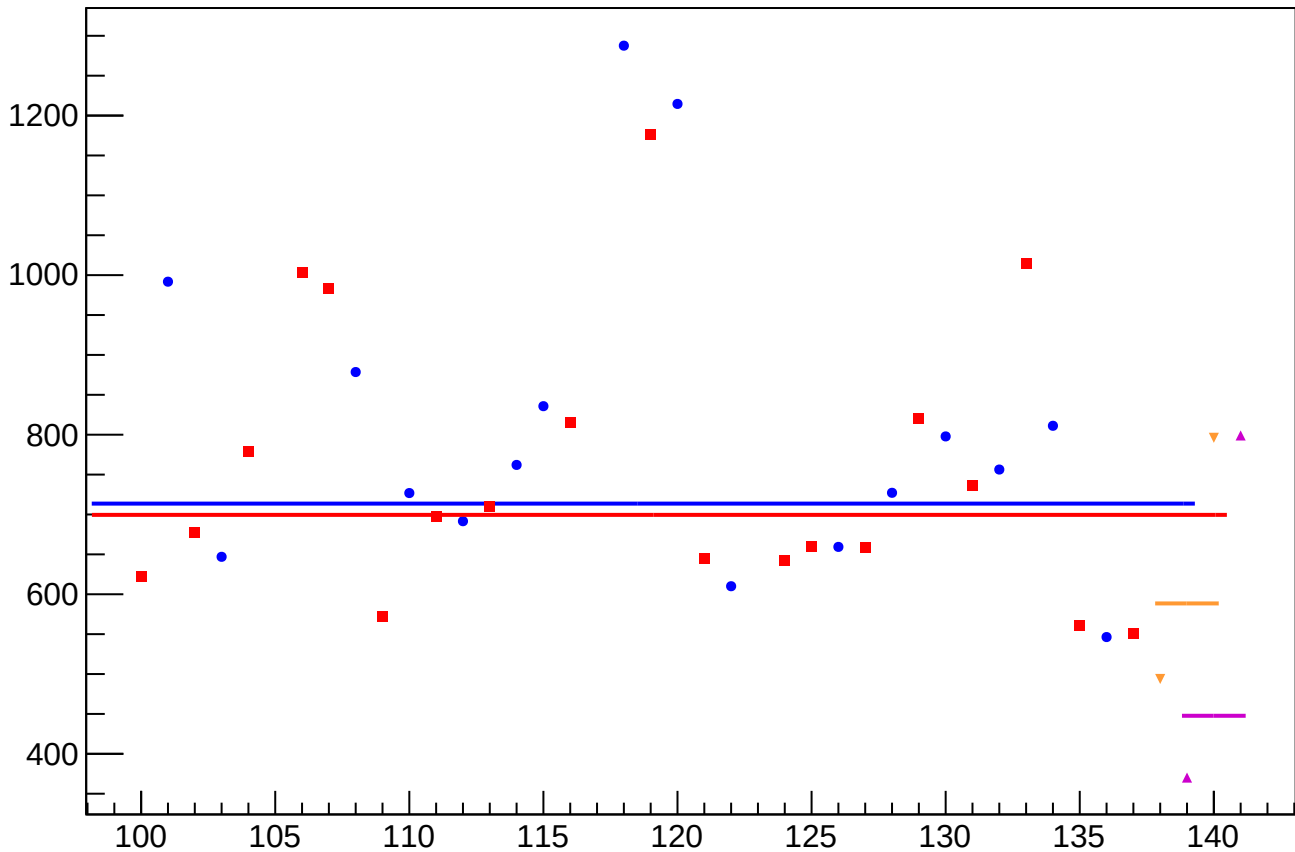
Left In: 0.176 ± 0.365 χ^2/NDF : 0.3/1

+ sign -0.029 ± 0.238 χ^2/NDF : 9.8/17

All: 0.016 ± 0.159 χ^2/NDF : 35.5/38

- sign 0.052 ± 0.213 χ^2/NDF : 25.6/20

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

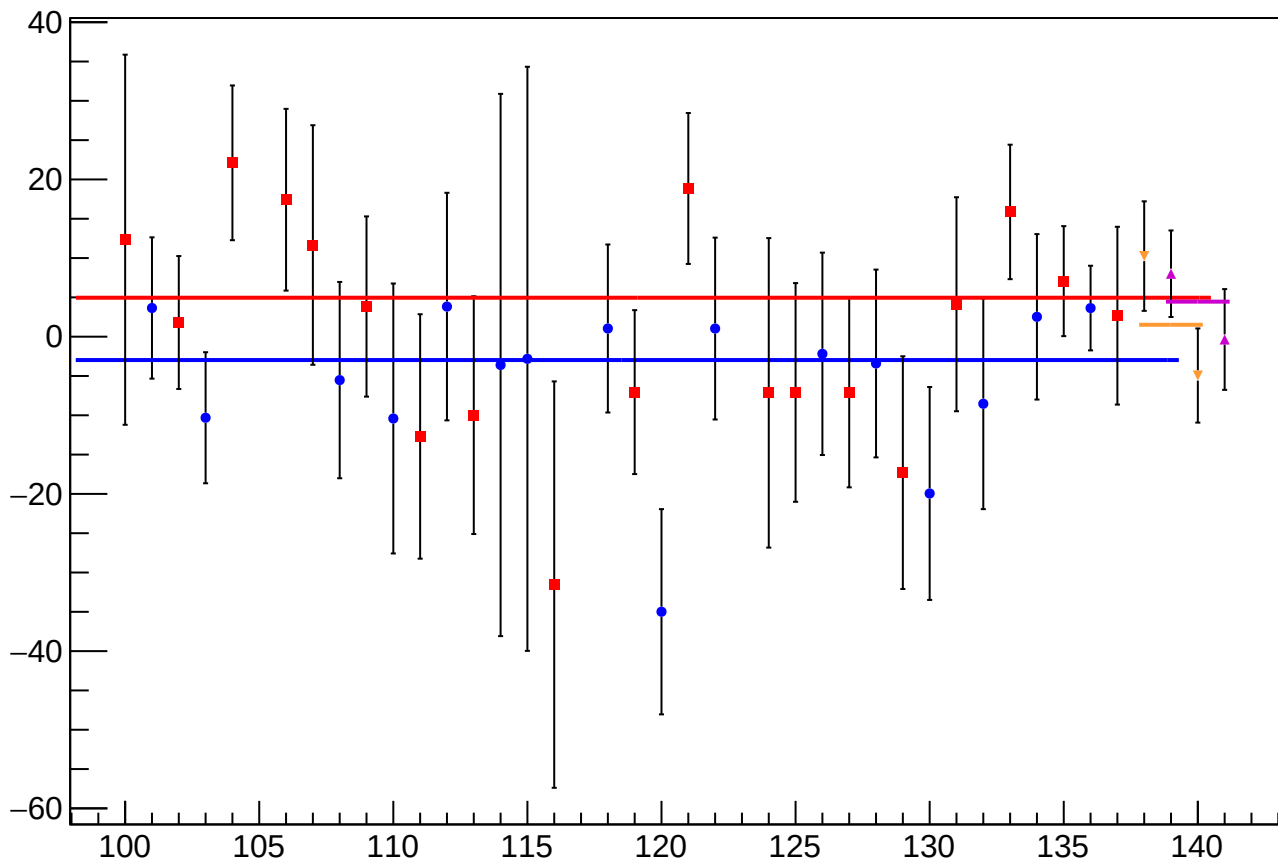
Left In: 447.682 $\pm$ 0.258 χ^2 /NDF:408474.3/1

+ sign 683.856 $\pm$ 0.169 χ^2 /NDF: 963640.8/17

All: 644.727 $\pm$ 0.112 χ^2 /NDF: 2671116.8/38

- sign 613.363 $\pm$ 0.151 χ^2 /NDF: 1610461.2/20

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974 ± 2.746 χ^2/NDF : 11.6/15

Left Out: 1.515 ± 4.542 χ^2/NDF : 2.7/1

Right Out: 4.955 ± 2.653 χ^2/NDF : 18.5/18

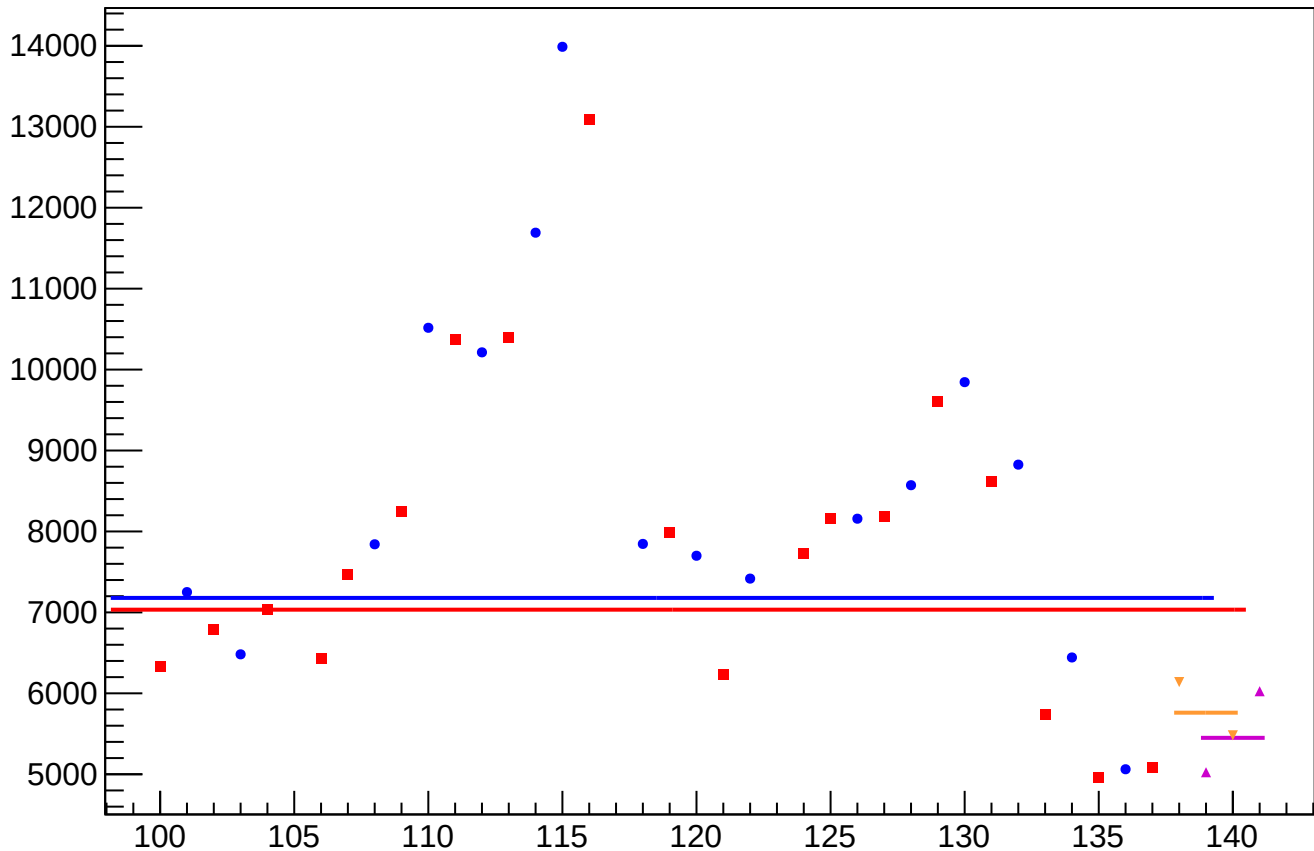
Left In: 4.456 ± 4.176 χ^2/NDF : 1.0/1

+ sign -1.772 ± 2.350 χ^2/NDF : 15.0/17

All: 1.678 ± 1.621 χ^2/NDF : 38.6/38

- sign 4.812 ± 2.239 χ^2/NDF : 19.5/20

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2 /NDF: 761936.2/15

Left Out: 5760.838+/-3.212 χ^2 /NDF: 10256.5/1

Right Out: 7033.538+/-1.876 χ^2 /NDF: 766389.2/18

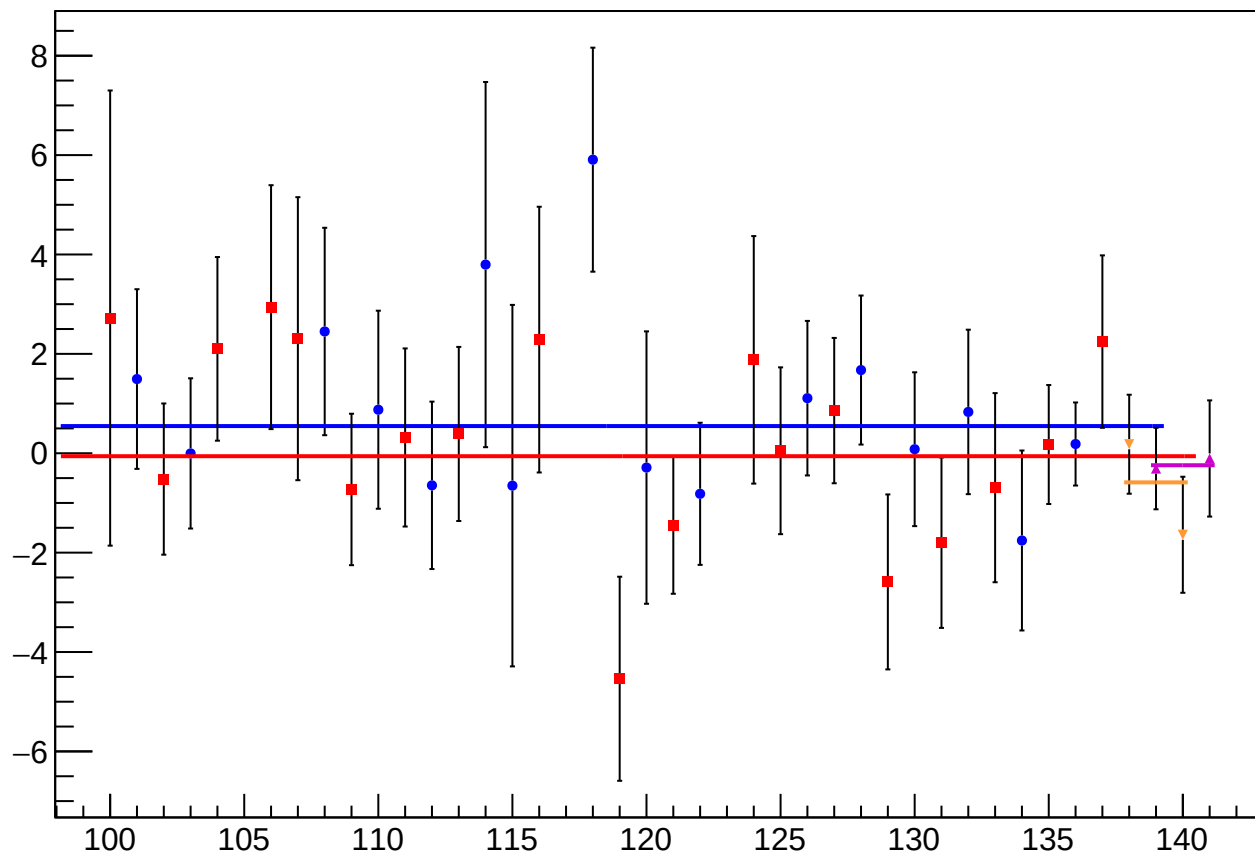
Left In: 5449.987+/-2.953 χ^2 /NDF: 28074.6/1

+ sign 6799.308+/-1.662 χ^2 /NDF: 914971.0/17

All: 6683.368+/-1.146 χ^2 /NDF: 1923637.8/38

- sign 6578.082+/-1.583 χ^2 /NDF: 999377.3/20

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547 ± 0.411 χ^2/NDF : 11.9/15

Left Out: -0.586 ± 0.758 χ^2/NDF : 1.4/1

Right Out: -0.059 ± 0.409 χ^2/NDF : 16.9/18

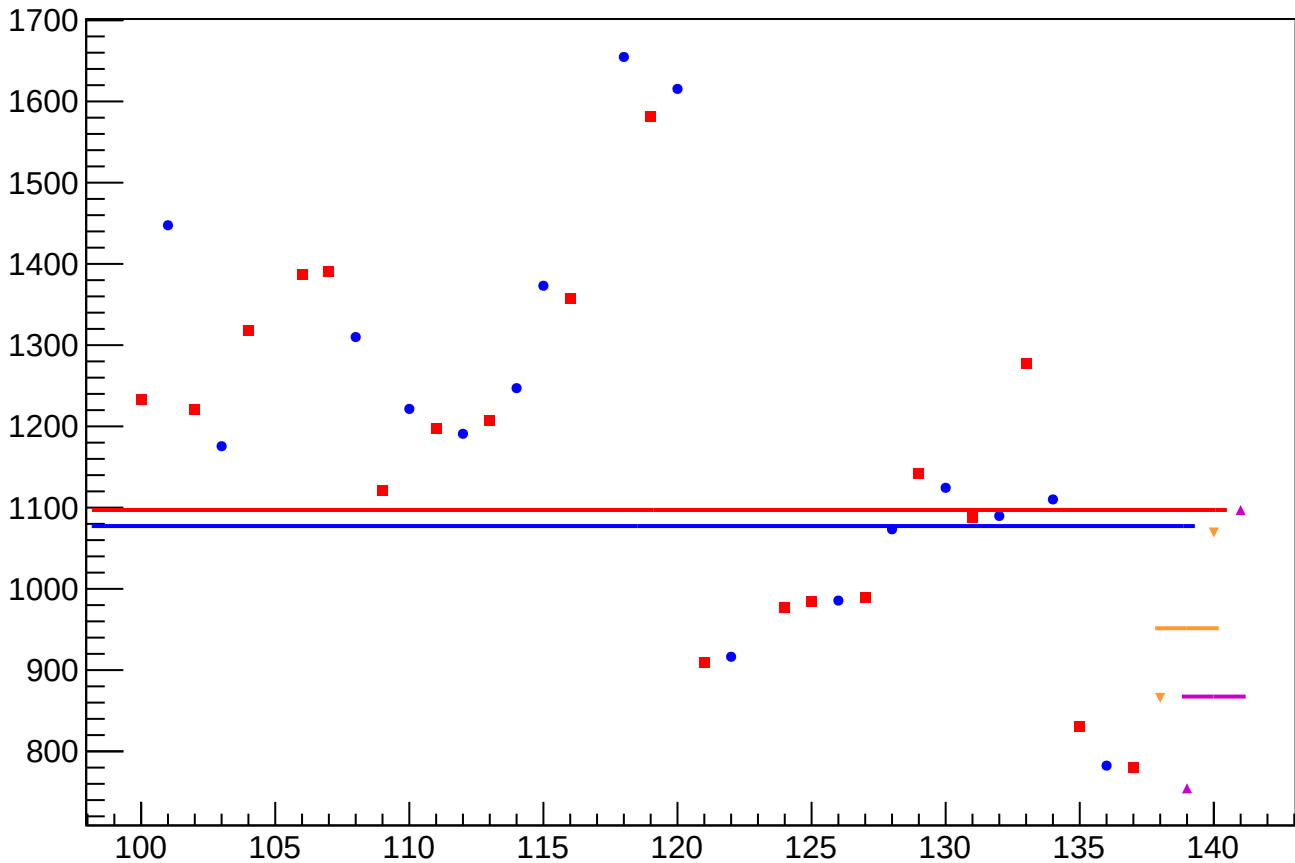
Left In: -0.241 ± 0.671 χ^2/NDF : 0.0/1

+ sign 0.290 ± 0.361 χ^2/NDF : 15.1/17

All: 0.084 ± 0.251 χ^2/NDF : 32.6/38

- sign -0.108 ± 0.349 χ^2/NDF : 16.9/20

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF : 646521.7/15

Left Out: 951.545+/-0.536 χ^2/NDF : 35170.1/1

Right Out: 1097.108+/-0.289 χ^2/NDF : 484370.7/18

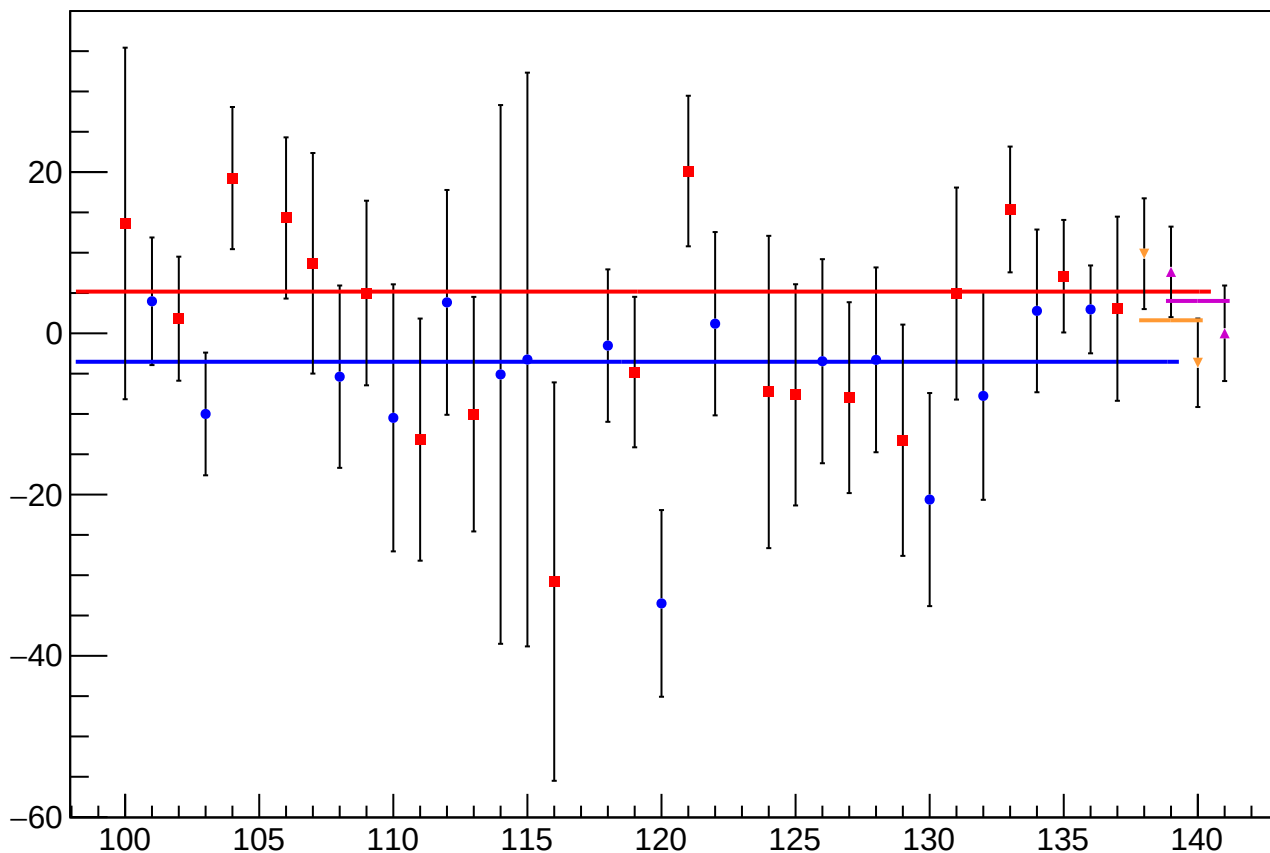
Left In: 867.432+/-0.475 χ^2/NDF : 115075.0/1

+ sign 1048.735+/-0.255 χ^2/NDF : 724258.6/17

All: 1041.622+/-0.178 χ^2/NDF : 1495948.8/38

- sign 1034.975+/-0.247 χ^2/NDF : 770189.9/20

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527 ± 2.608 χ^2/NDF : 12.6/15

Left Out: 1.618 ± 4.287 χ^2/NDF : 2.4/1

Right Out: 5.176 ± 2.508 χ^2/NDF : 18.2/18

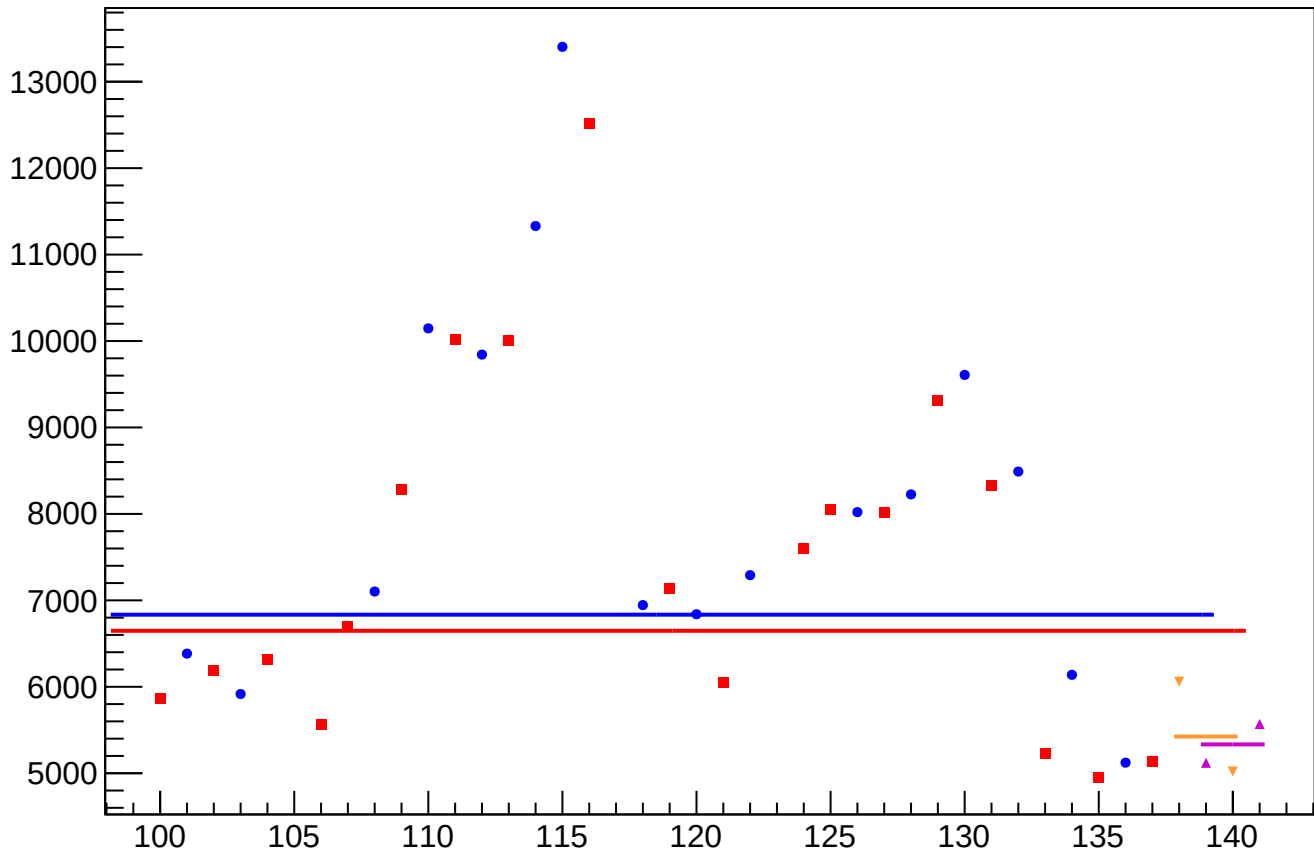
Left In: 4.018 ± 4.076 χ^2/NDF : 0.9/1

+ sign -2.137 ± 2.228 χ^2/NDF : 16.0/17

All: 1.508 ± 1.542 χ^2/NDF : 40.3/38

- sign 4.858 ± 2.136 χ^2/NDF : 19.1/20

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF : 692722.6/15

Left Out: 5424.624+/-3.032 χ^2/NDF : 27935.2/1

Right Out: 6647.996+/-1.773 χ^2/NDF : 785102.6/18

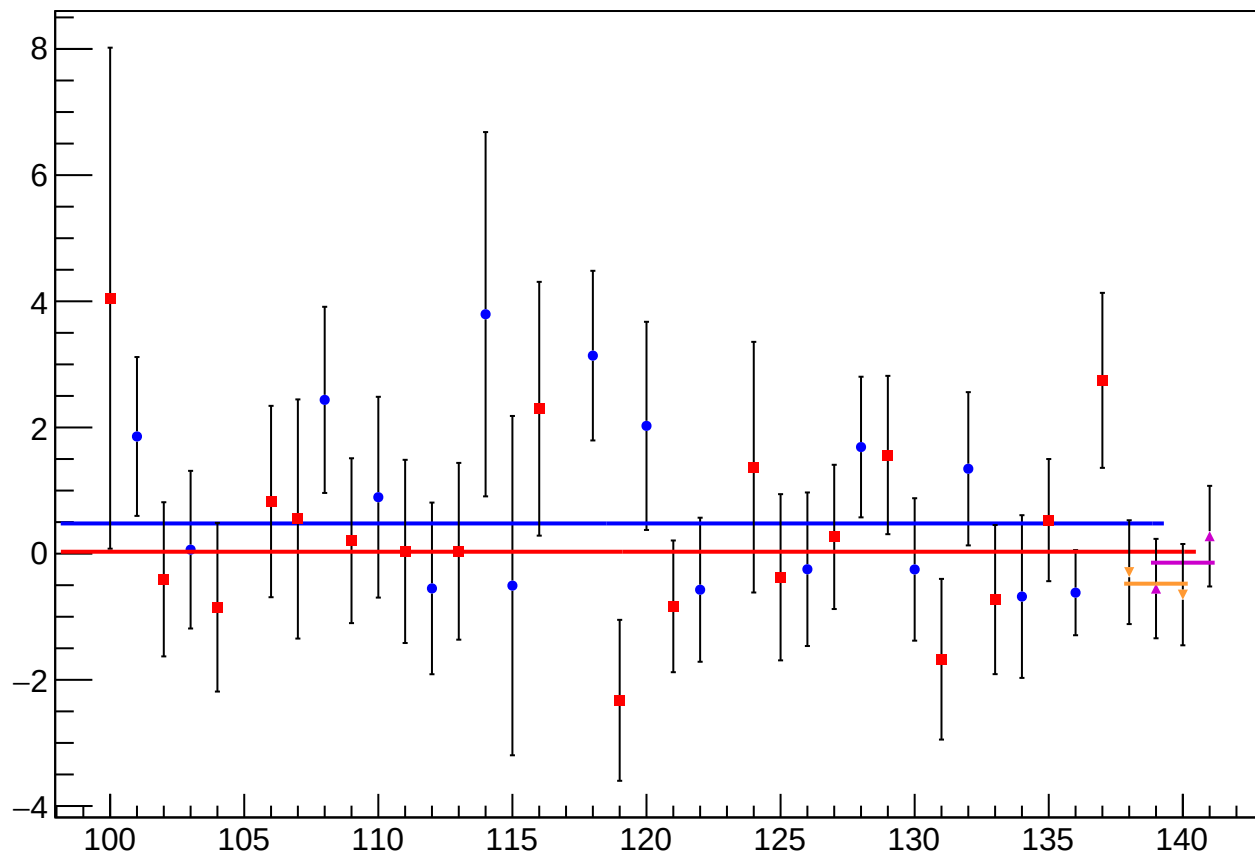
Left In: 5333.381+/-2.882 χ^2/NDF : 6049.9/1

+ sign 6453.557+/-1.576 χ^2/NDF : 878485.0/17

All: 6366.719+/-1.090 χ^2/NDF : 1826399.0/38

- sign 6286.924+/-1.510 χ^2/NDF : 942085.1/20

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

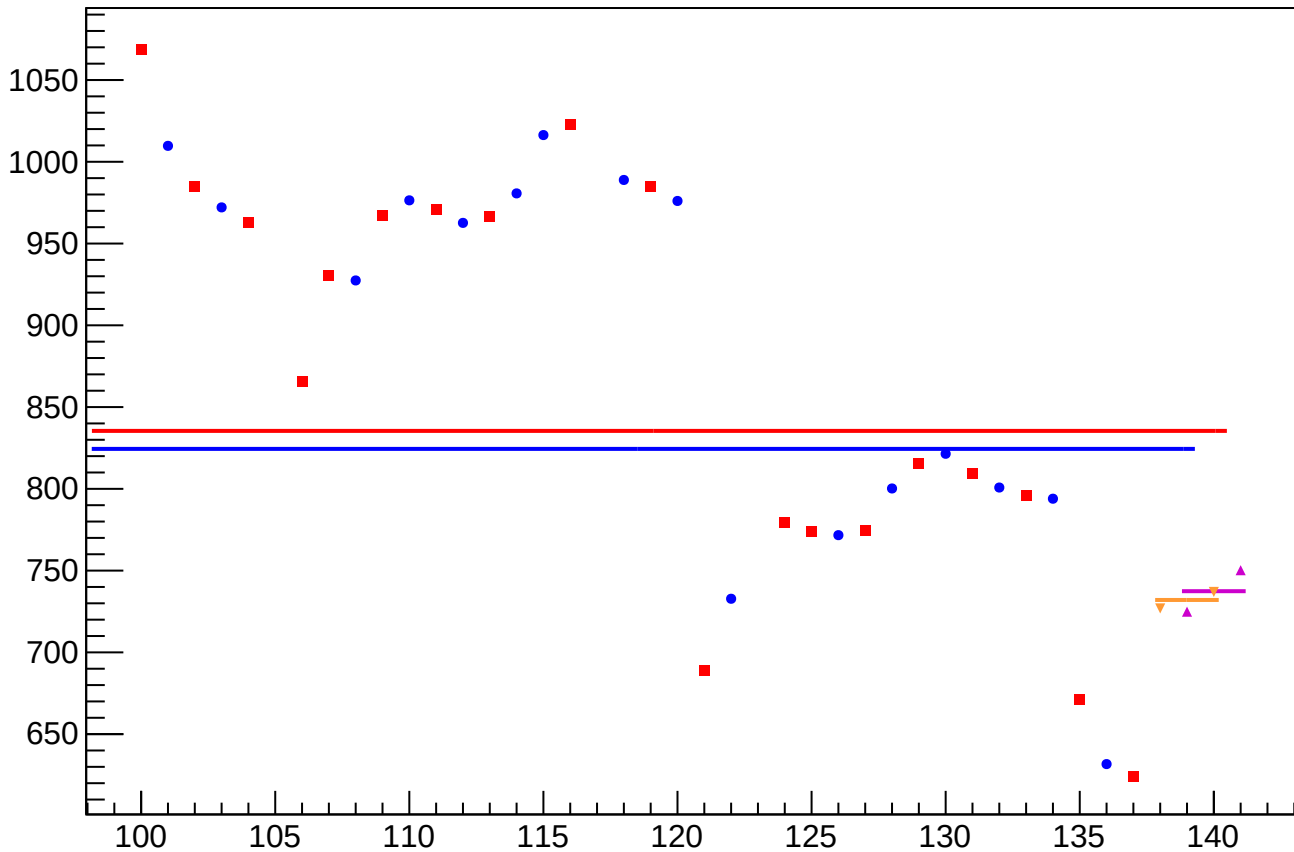
Left In: -0.143 ± 0.560 χ^2/NDF : 0.5/1

+ sign 0.263 ± 0.273 χ^2/NDF : 19.0/17

All: 0.125 ± 0.192 χ^2/NDF : 35.8/38

- sign -0.010 ± 0.270 χ^2/NDF : 16.3/20

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

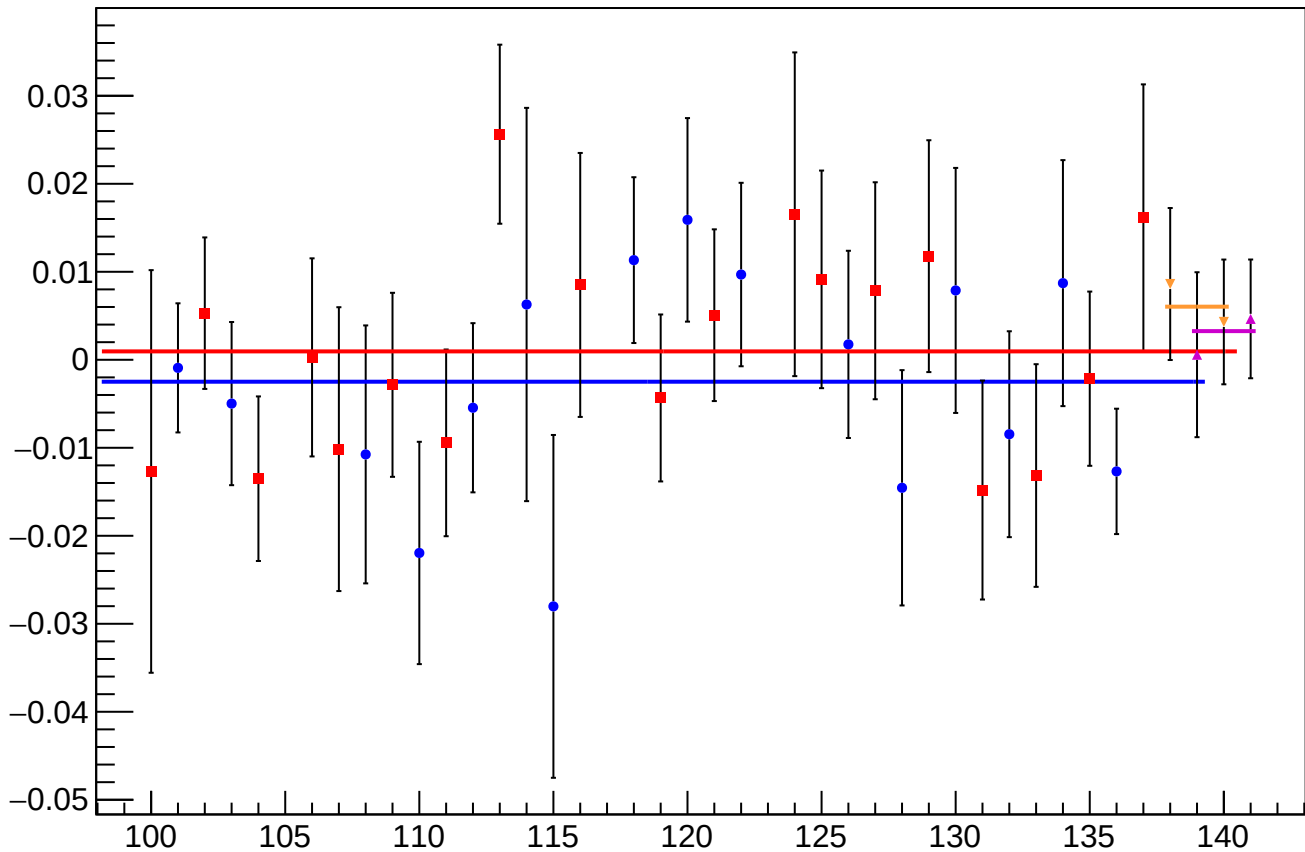
Left In: 737.412 $\pm$ 0.396 χ^2 /NDF:1023.6/1

+ sign 803.526 $\pm$ 0.193 χ^2 /NDF: 405603.4/17

All: 808.134 $\pm$ 0.136 χ^2 /NDF: 774004.5/38

- sign 812.638 $\pm$ 0.191 χ^2 /NDF: 367277.6/20

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002 ± 0.003 χ^2/NDF : 15.3/15

Left Out: 0.006 ± 0.005 χ^2/NDF : 0.1/1

Right Out: 0.001 ± 0.003 χ^2/NDF : 17.3/18

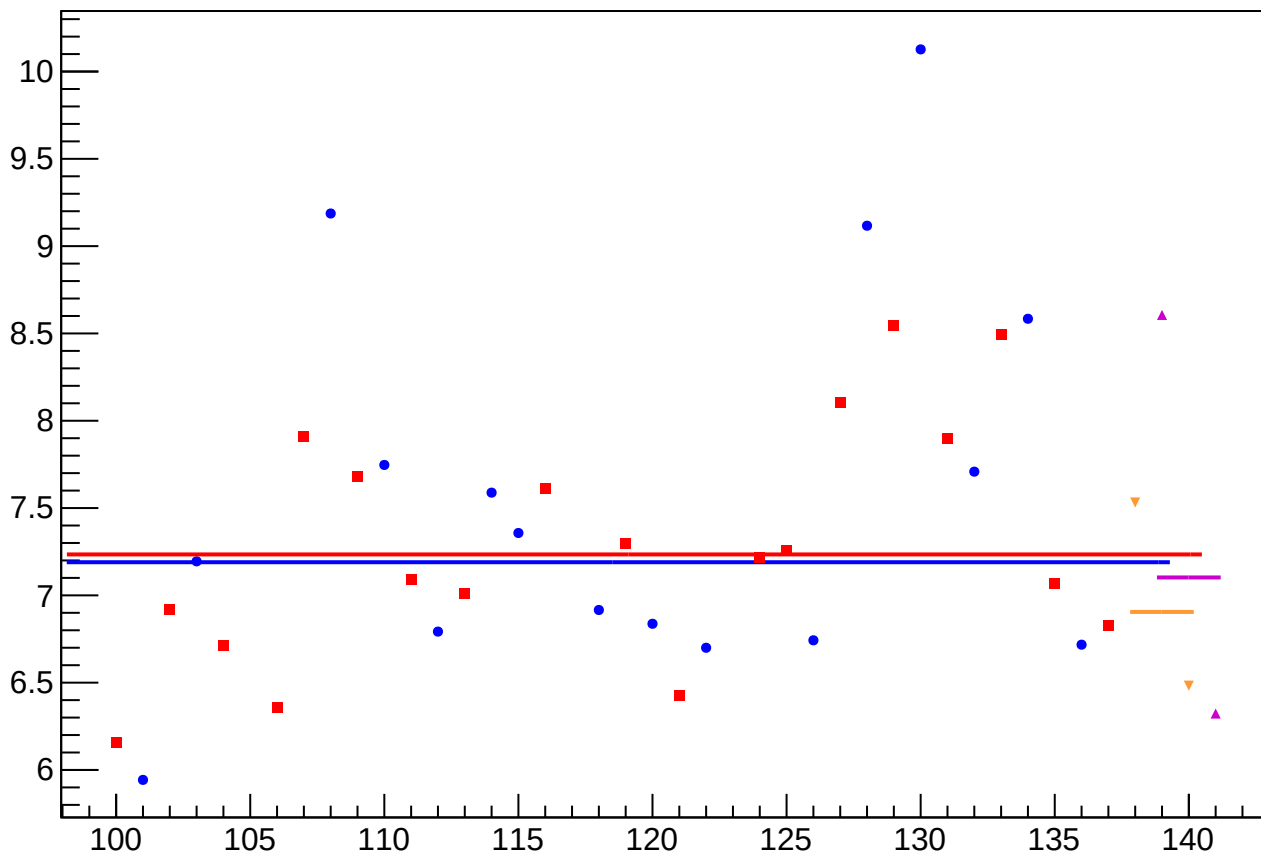
Left In: 0.003 ± 0.005 χ^2/NDF : 0.1/1

+ sign -0.001 ± 0.002 χ^2/NDF : 17.4/17

All: 0.000 ± 0.002 χ^2/NDF : 35.4/38

- sign 0.001 ± 0.002 χ^2/NDF : 17.6/20

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

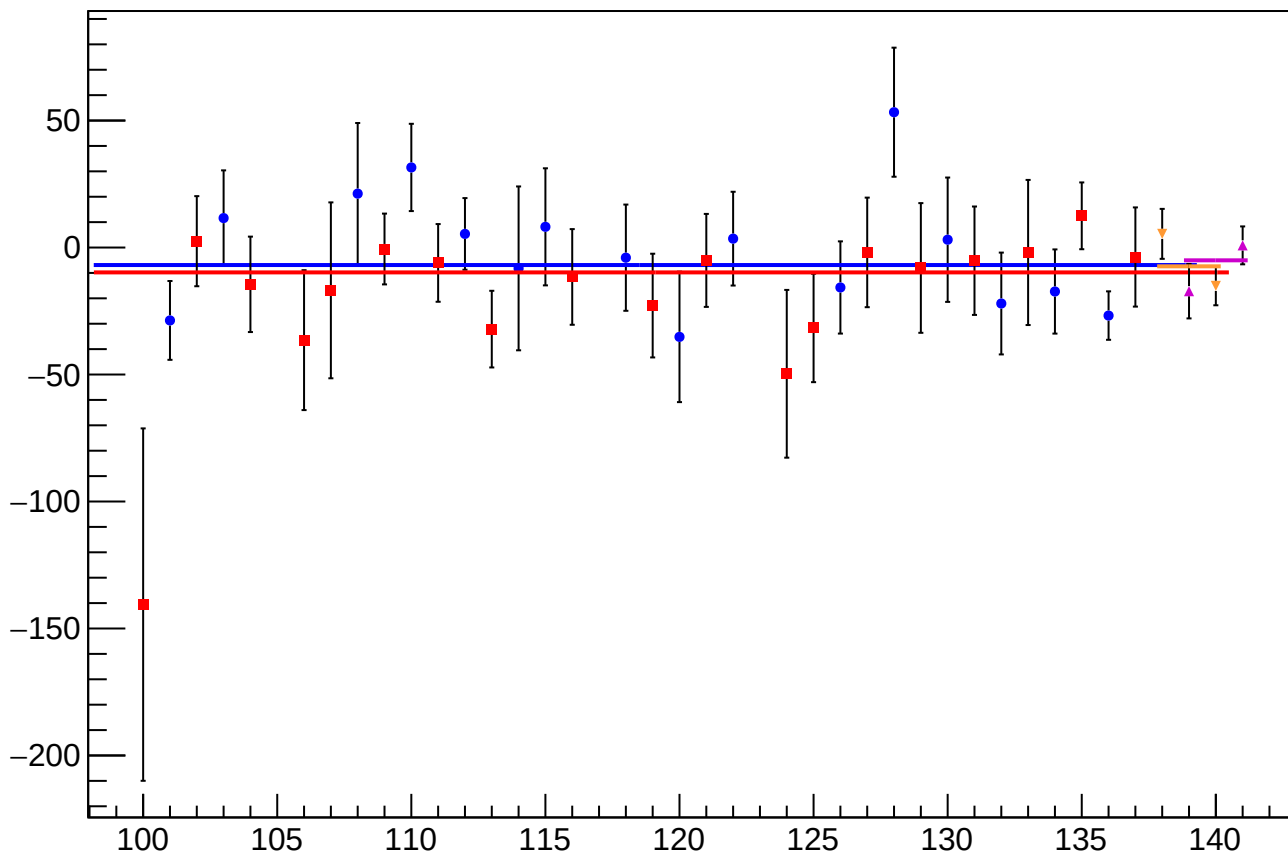
Left In: 7.102 $\pm$ 0.004 χ^2 /NDF:78168.4/1

+ sign 7.134 $\pm$ 0.002 χ^2 /NDF: 299614.0/17

All: 7.172 $\pm$ 0.001 χ^2 /NDF: 485966.0/38

- sign 7.209 $\pm$ 0.002 χ^2 /NDF: 185373.7/20

diff_targ_positionX_mean vs Slug



Right In: -6.891+/-4.488 χ^2 /NDF: 23.0/15

Left Out: -7.398+/-6.031 χ^2 /NDF: 2.7/1

Right Out: -9.790+/-4.517 χ^2 /NDF: 14.0/18

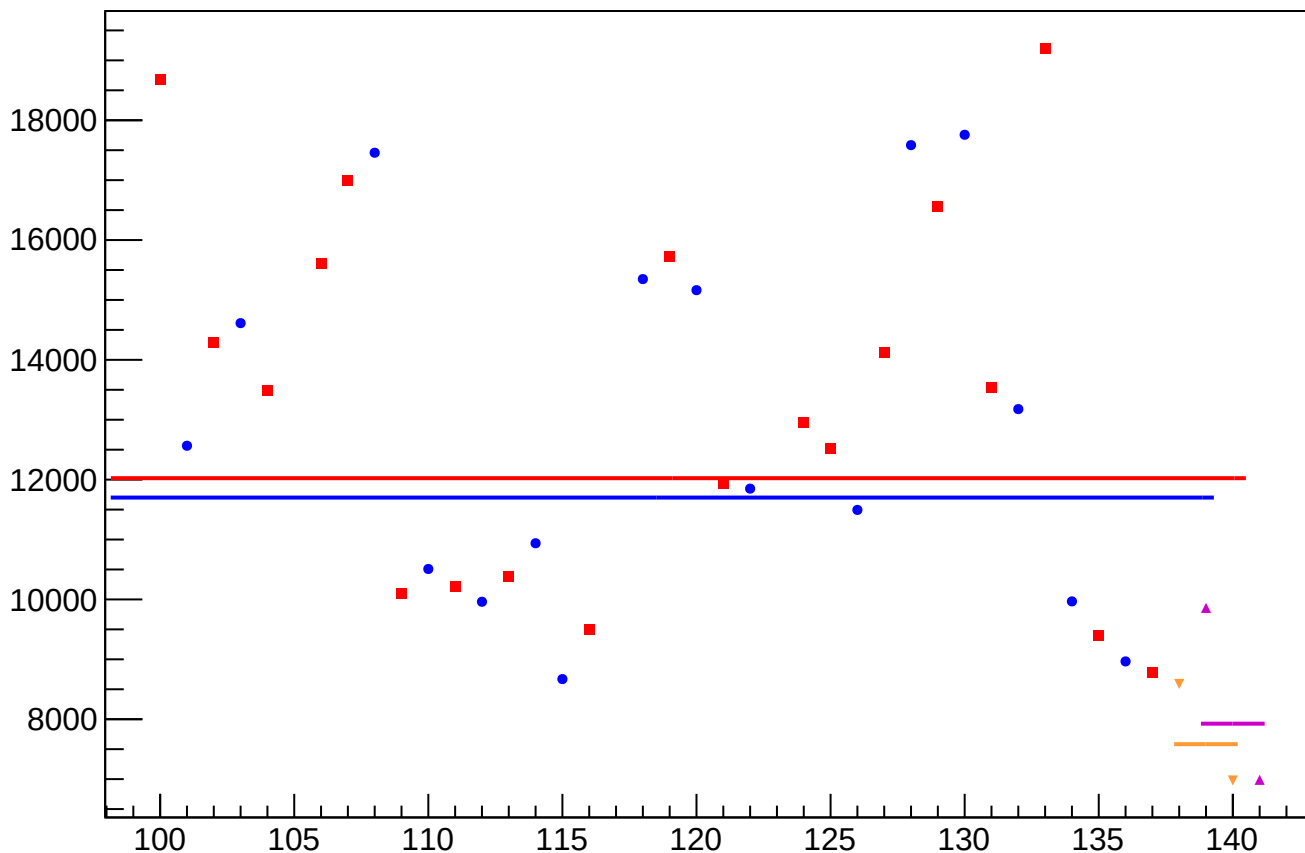
Left In: -5.036+/-6.125 χ^2 /NDF: 1.9/1

+ sign -7.072+/-3.601 χ^2 /NDF: 25.7/17

All: -7.588+/-2.558 χ^2 /NDF: 42.1/38

- sign -8.115+/-3.636 χ^2 /NDF: 16.3/20

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

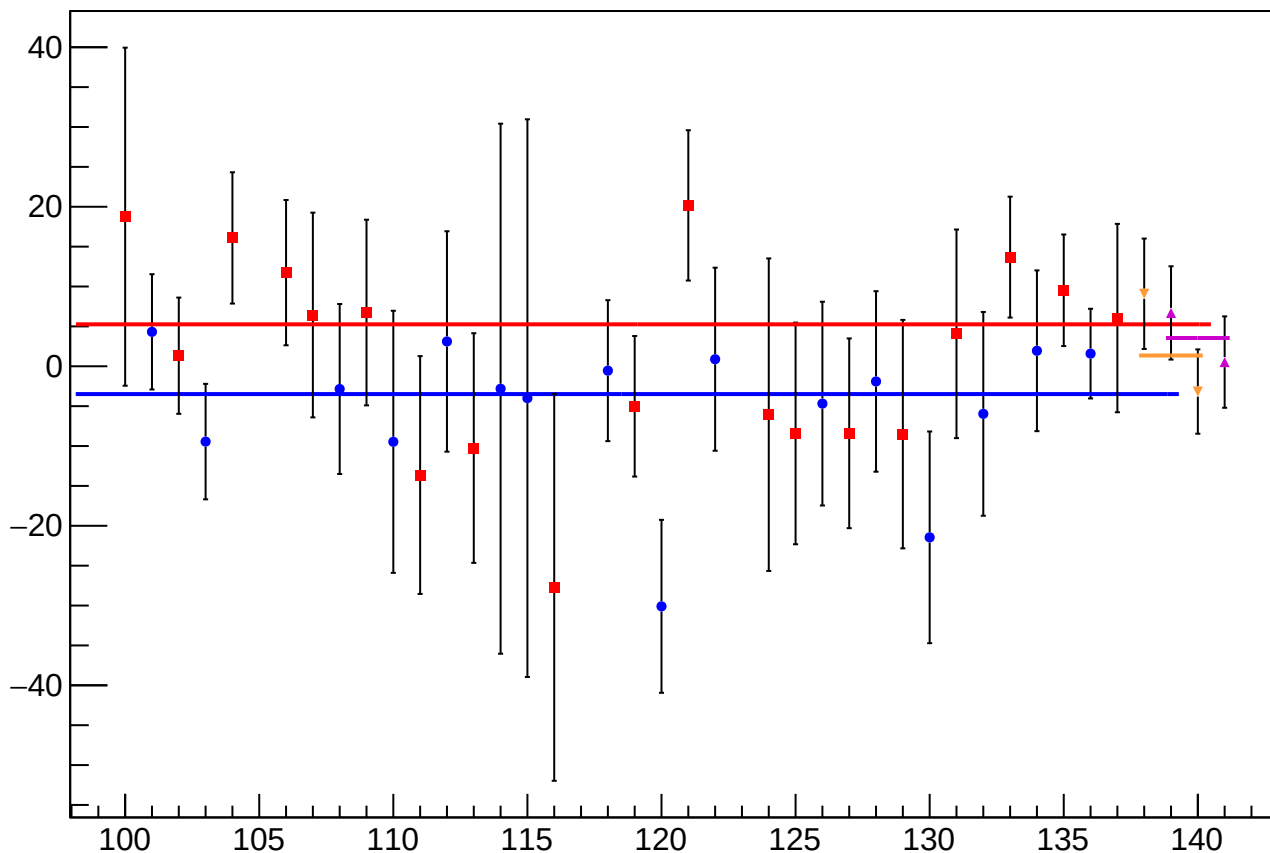
Left In: 7925.608+/-4.331 χ^2/NDF :96592.8/1

+ sign 10233.211+/-2.546 χ^2/NDF : 1373510.9/17

All: 10405.062+/-1.809 χ^2/NDF : 2744151.3/3

- sign 10580.250+/-2.571 χ^2/NDF : 1361440.5/20

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF : 11.5/15

Left Out: 1.350+/-4.201 χ^2/NDF : 2.0/1

Right Out: 5.259+/-2.446 χ^2/NDF : 16.6/18

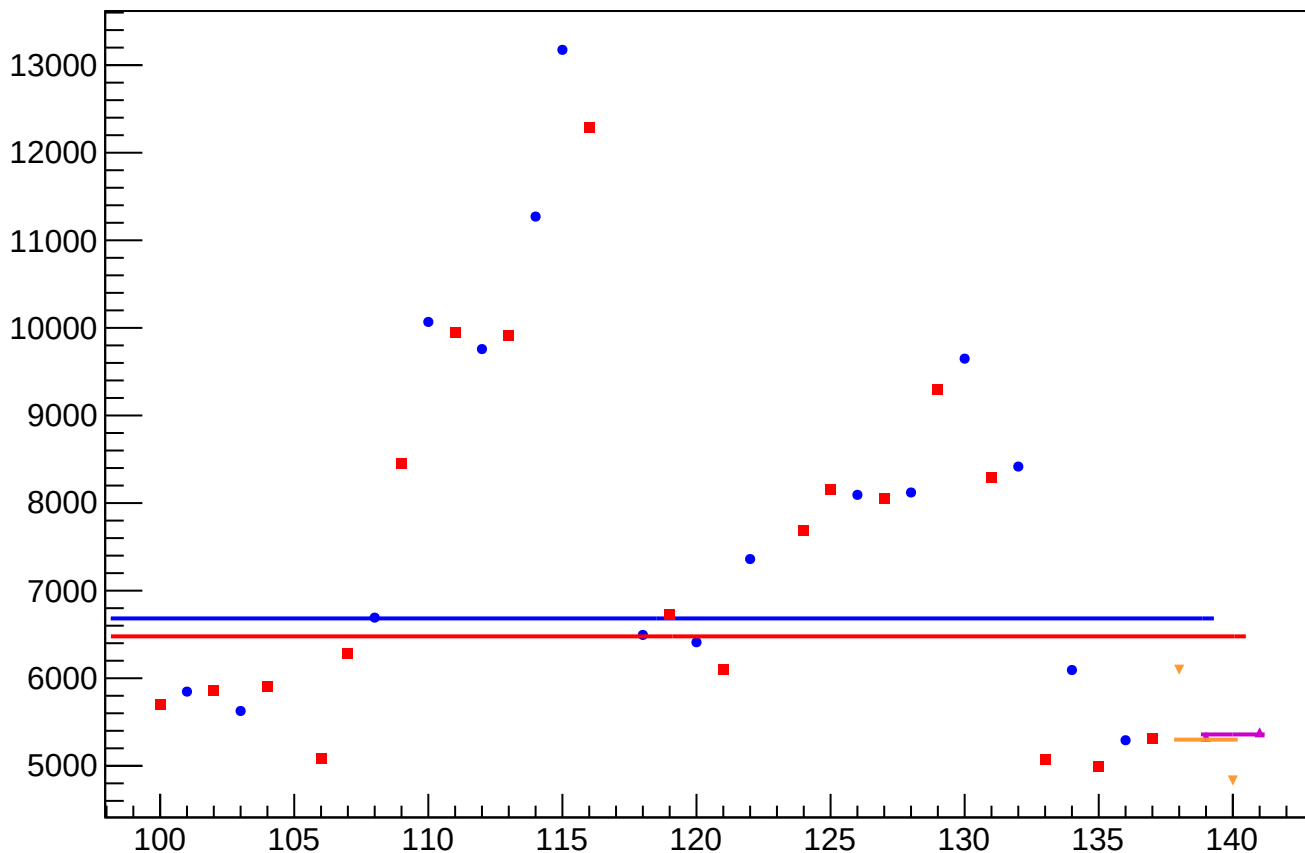
Left In: 3.544+/-4.093 χ^2/NDF : 0.6/1

+ sign -2.184+/-2.180 χ^2/NDF : 14.4/17

All: 1.442+/-1.512 χ^2/NDF : 37.1/38

- sign 4.808+/-2.100 χ^2/NDF : 17.3/20

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF : 692200.2/15

Left Out: 5298.948+/-2.971 χ^2/NDF : 42166.2/1

Right Out: 6478.126+/-1.730 χ^2/NDF : 839226.8/18

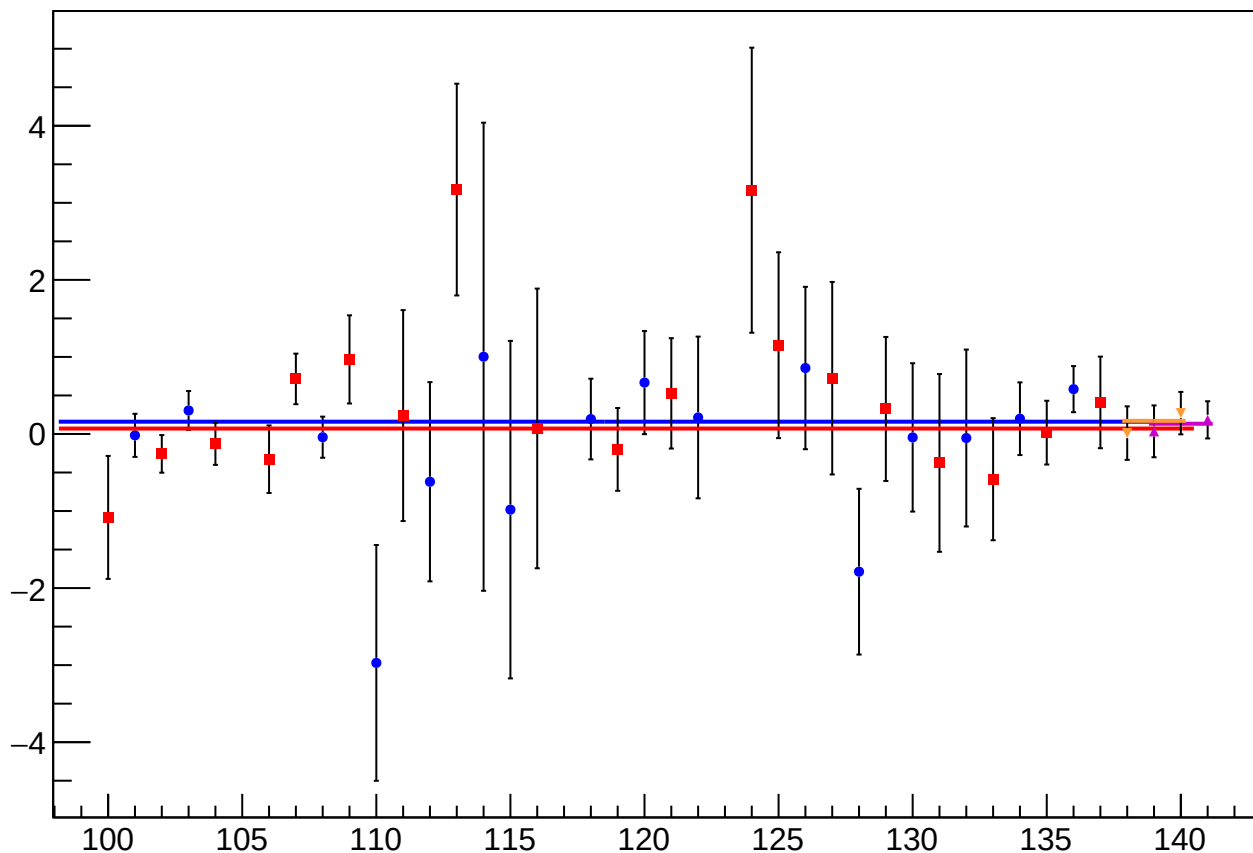
Left In: 5358.390+/-2.894 χ^2/NDF : 75.7/1

+ sign 6310.429+/-1.541 χ^2/NDF : 893008.0/17

All: 6244.537+/-1.069 χ^2/NDF : 1846131.1/38

- sign 6183.382+/-1.485 χ^2/NDF : 949598.8/20

diff_targ_thetaX_mean vs Slug



Right In: 0.160 ± 0.120 χ^2/NDF : 12.6/15

Left Out: 0.171 ± 0.216 χ^2/NDF : 0.3/1

Right Out: 0.070 ± 0.120 χ^2/NDF : 22.5/18

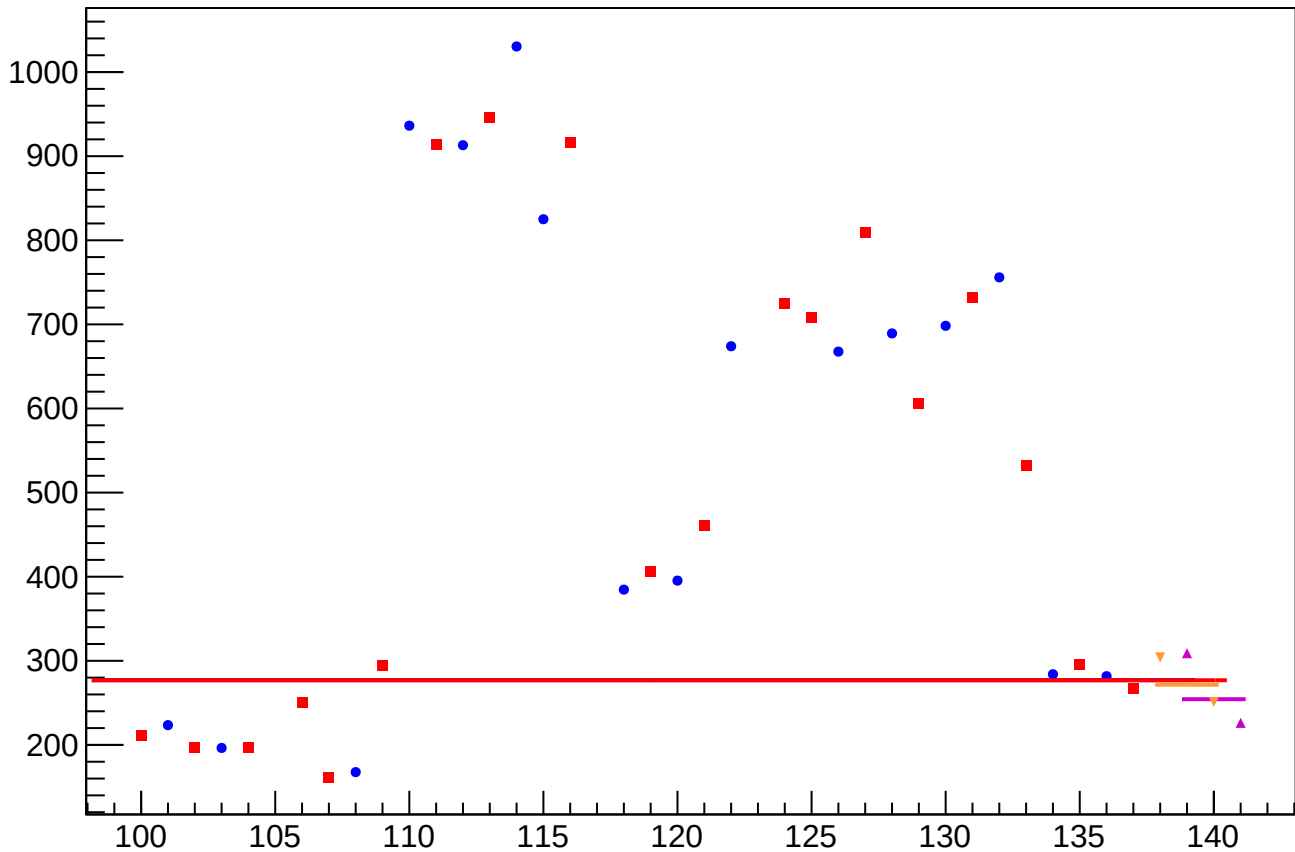
Left In: 0.133 ± 0.196 χ^2/NDF : 0.1/1

+ sign 0.162 ± 0.105 χ^2/NDF : 12.9/17

All: 0.124 ± 0.073 χ^2/NDF : 35.8/38

- sign 0.087 ± 0.102 χ^2/NDF : 22.7/20

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

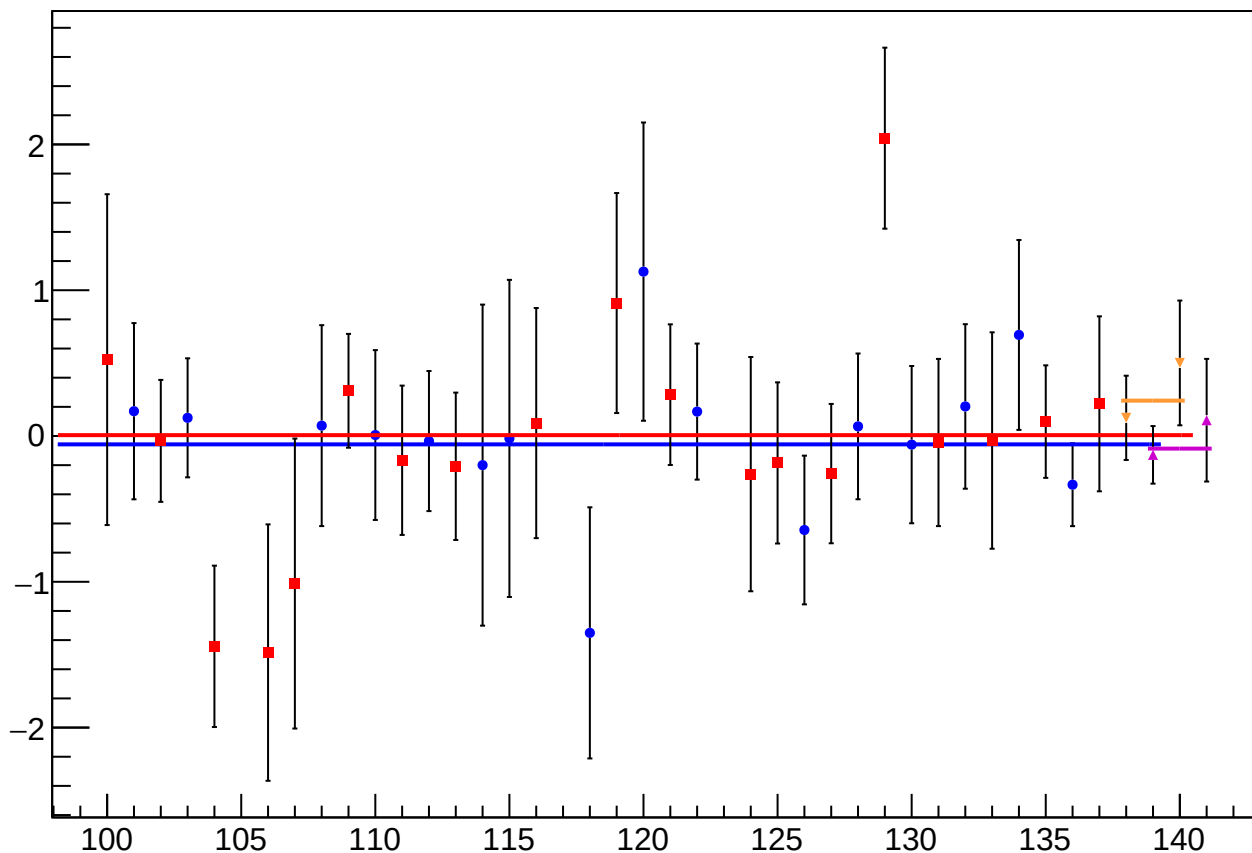
Left In: 254.365 $\pm$ 0.139 χ^2 /NDF:80115.8/1

+ sign 275.737 $\pm$ 0.074 χ^2 /NDF: 3480058.7/17

All: 273.188 $\pm$ 0.052 χ^2 /NDF: 7153306.9/38

- sign 270.756 $\pm$ 0.072 χ^2 /NDF: 3670927.7/20

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

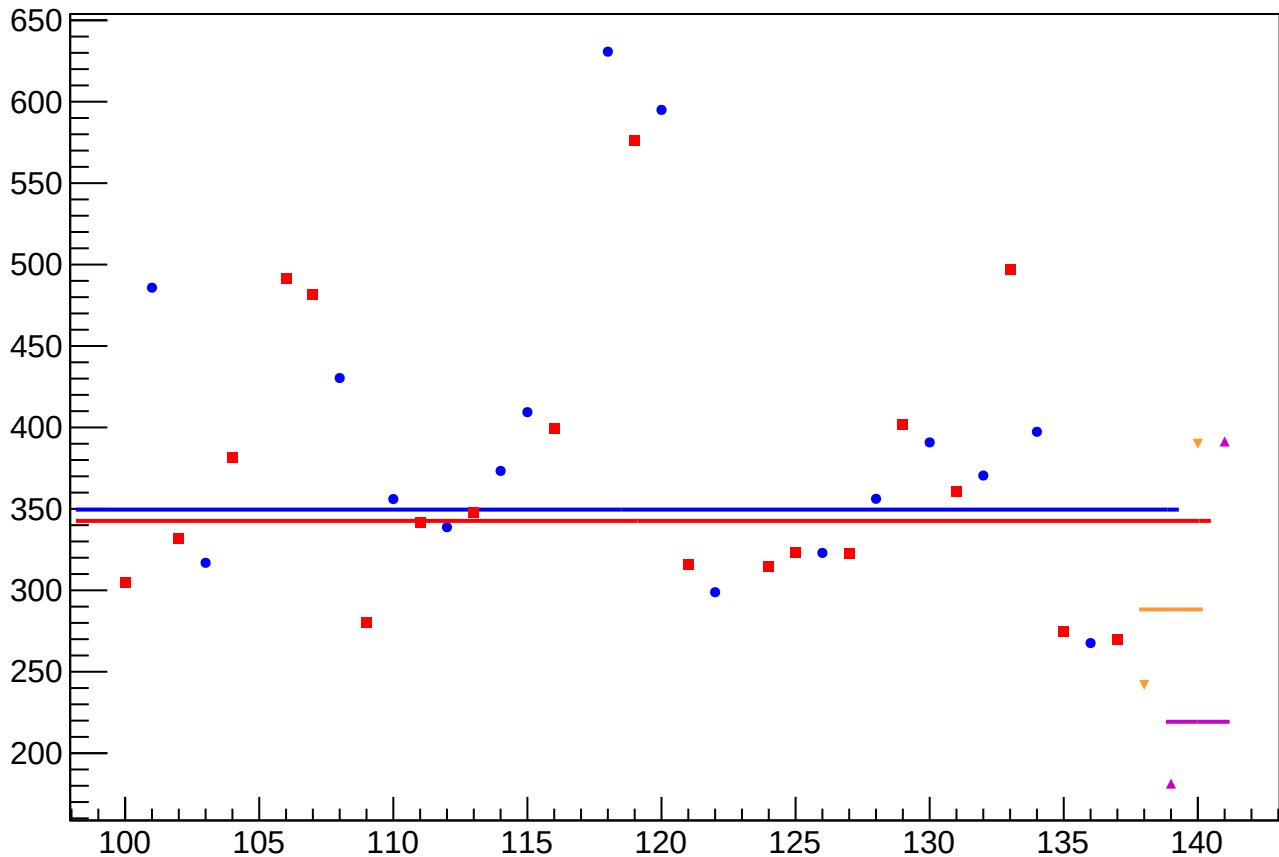
Left In: -0.086 ± 0.179 χ^2/NDF : 0.3/1

+ sign 0.014 ± 0.117 χ^2/NDF : 9.8/17

All: -0.008 ± 0.078 χ^2/NDF : 35.5/38

- sign -0.026 ± 0.105 χ^2/NDF : 25.6/20

diff_targ_thetaY_rms vs Slug



Right In: 349.560 $\pm$ 0.095 χ^2 /NDF: 699303.9/15

Left Out: 288.270 $\pm$ 0.169 χ^2 /NDF:164492.0/1

Right Out: 342.641 $\pm$ 0.091 χ^2 /NDF: 575759.9/18

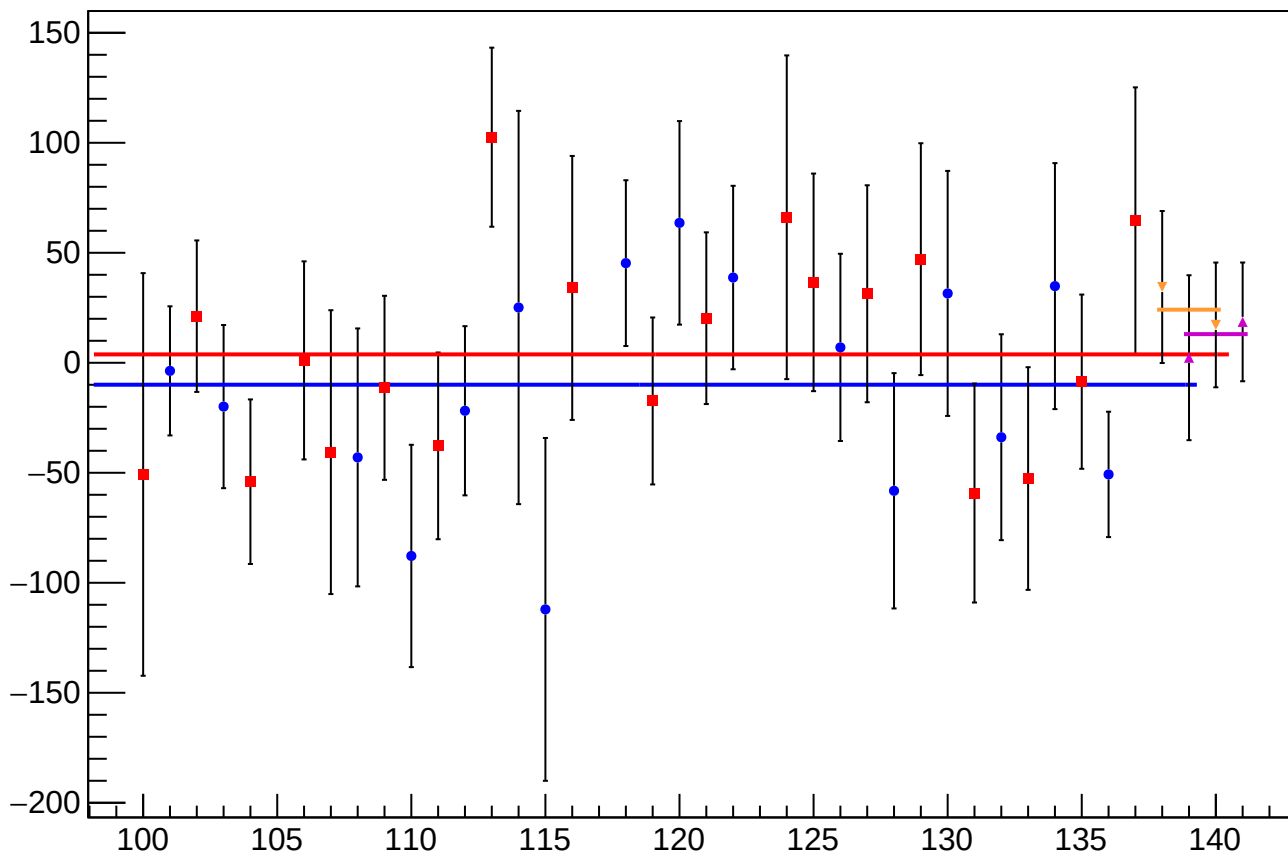
Left In: 219.291 $\pm$ 0.126 χ^2 /NDF:408474.3/1

+ sign 334.977 $\pm$ 0.083 χ^2 /NDF: 963640.8/17

All: 315.811 $\pm$ 0.055 χ^2 /NDF: 2671116.8/38

- sign 300.447 $\pm$ 0.074 χ^2 /NDF: 1610461.2/20

diff_bpmE_mean vs Slug



Right In: -9.969 ± 10.836 χ^2/NDF : 15.3/15

Left Out: 24.144 ± 21.917 χ^2/NDF : 0.1/1

Right Out: 3.814 ± 10.636 χ^2/NDF : 17.3/18

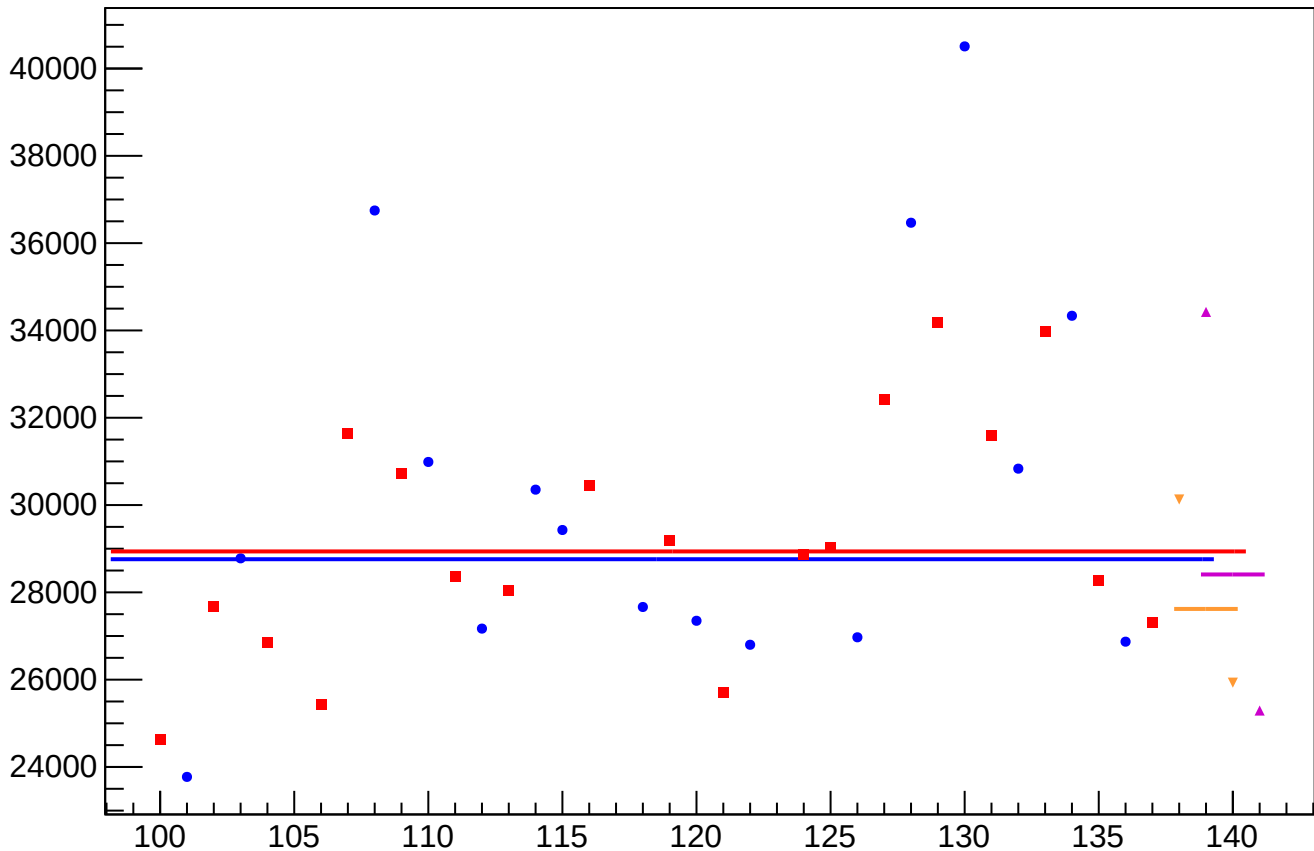
Left In: 13.031 ± 21.903 χ^2/NDF : 0.1/1

+ sign -3.268 ± 9.714 χ^2/NDF : 17.4/17

All: 1.219 ± 6.816 χ^2/NDF : 35.4/38

- sign 5.572 ± 9.568 χ^2/NDF : 17.6/20

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF : 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF : 17634.8/1

Right Out: 28937.633+/-7.521 χ^2/NDF : 106266.0/18

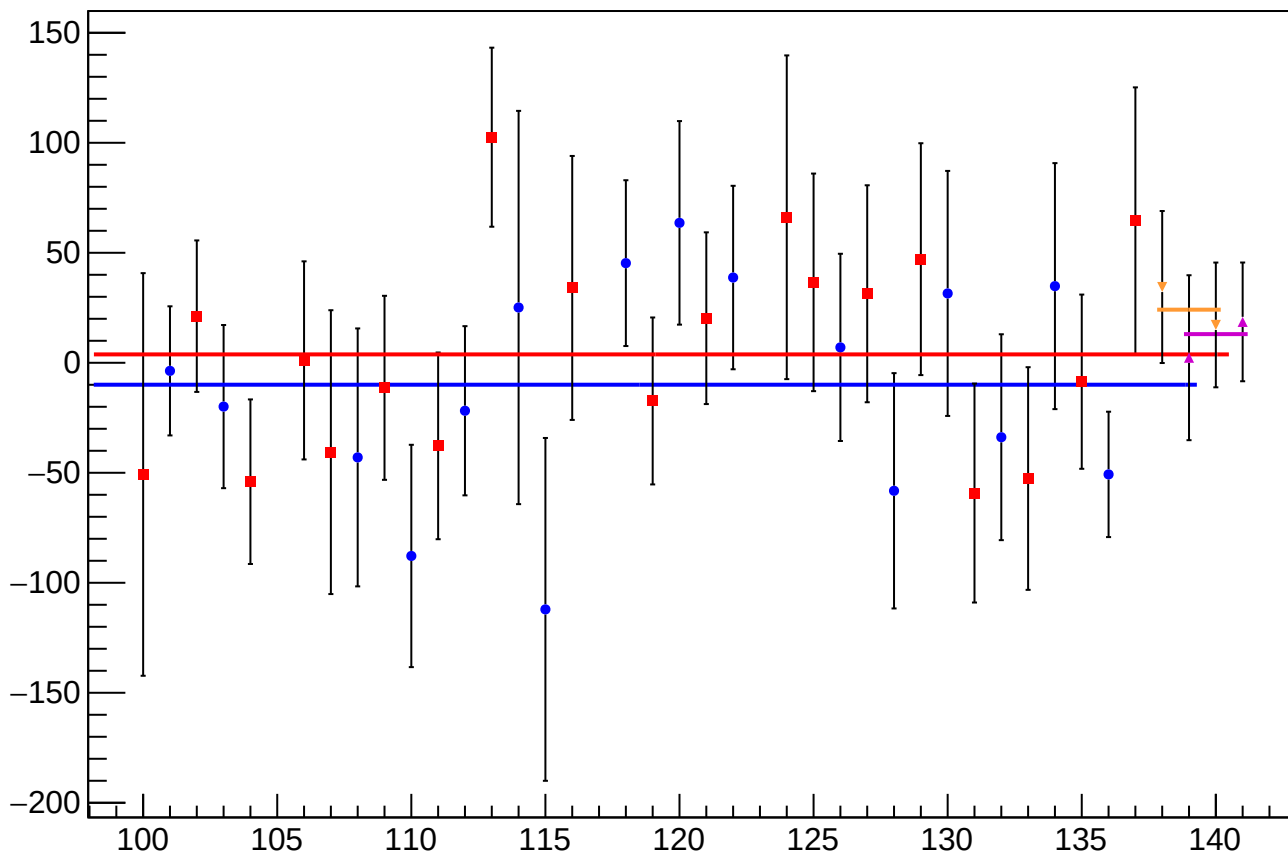
Left In: 28409.950+/-15.488 χ^2/NDF : 78168.4/1

+ sign 28535.382+/-6.869 χ^2/NDF : 299614.0/17

All: 28688.446+/-4.820 χ^2/NDF : 485966.0/38

- sign 28836.941+/-6.765 χ^2/NDF : 185373.7/20

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

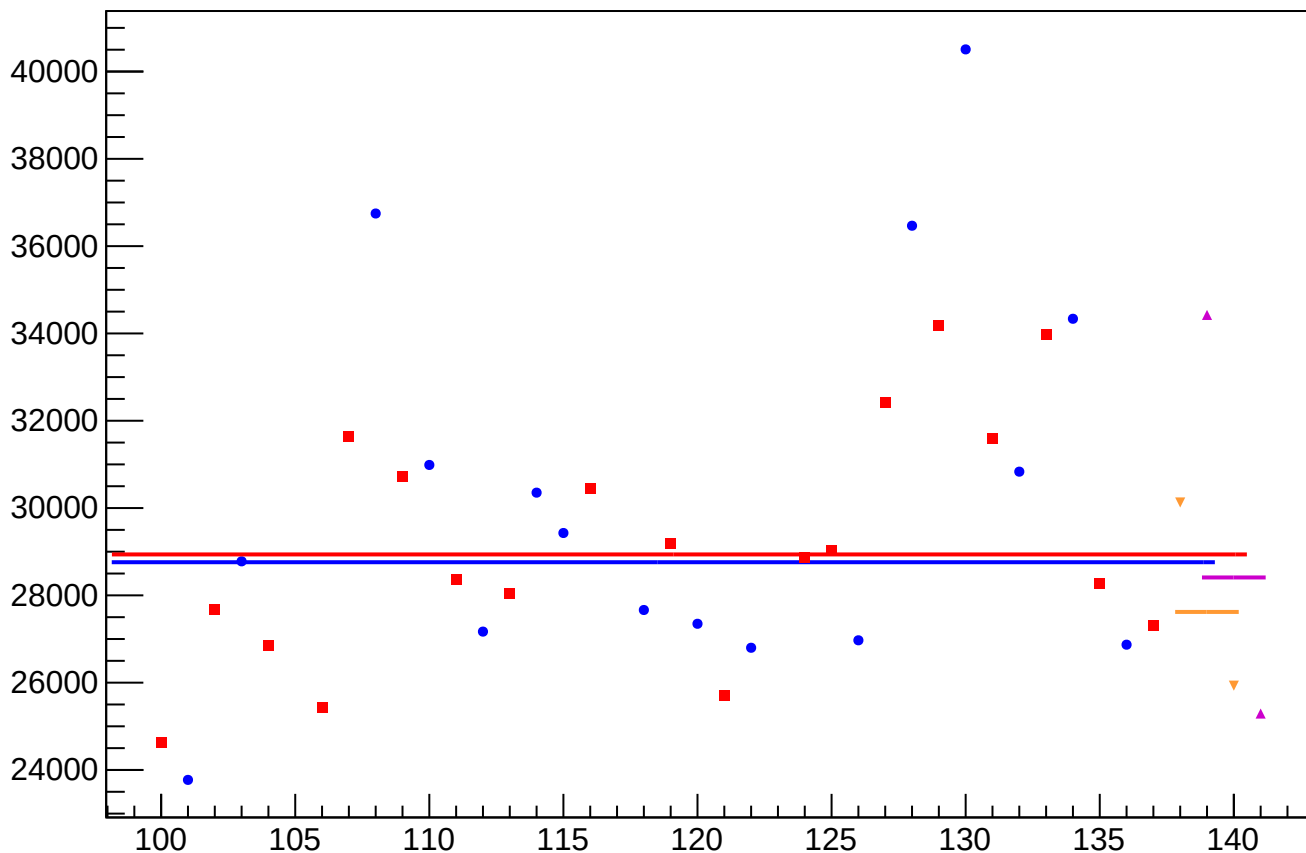
Left In: 13.031 $\pm$ 21.903 χ^2 /NDF: 0.1/1

+ sign -3.268 $\pm$ 9.714 χ^2 /NDF: 17.4/17

All: 1.219 $\pm$ 6.816 χ^2 /NDF: 35.4/38

- sign 5.572 $\pm$ 9.568 χ^2 /NDF: 17.6/20

diff_bpmEX_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

Right Out: 28937.633+/-7.521 χ^2/NDF : 106266.0/18

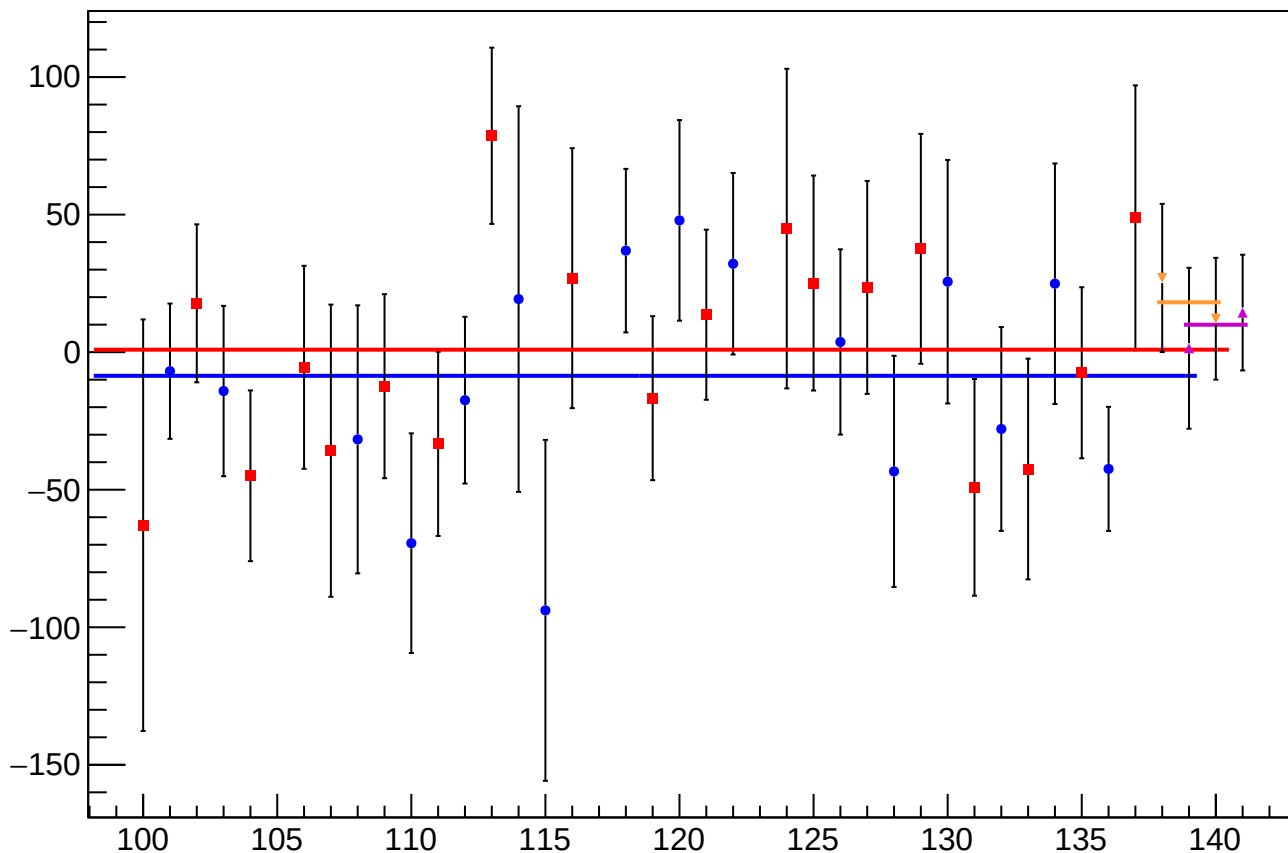
Left In: 28409.950+/-15.488 χ^2/NDF : 78168.4/1

+ sign 28535.382+/-6.869 χ^2/NDF : 299614.0/17

All: 28688.446+/-4.820 χ^2/NDF : 485966.0/38

- sign 28836.941+/-6.765 χ^2/NDF : 185373.7/20

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599 ± 8.678 χ^2/NDF : 15.5/15

Left Out: 18.127 ± 17.100 χ^2/NDF : 0.2/1

Right Out: 0.904 ± 8.506 χ^2/NDF : 17.6/18

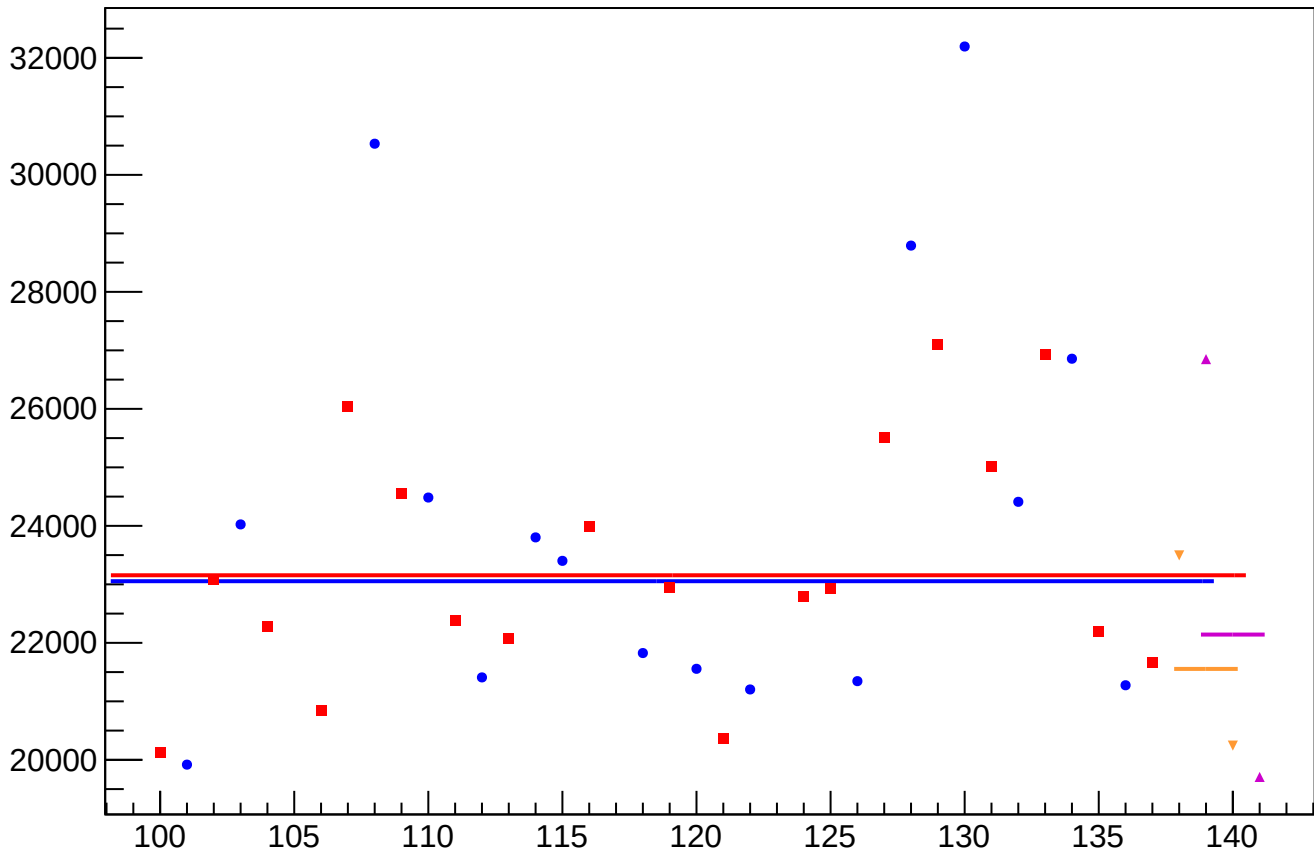
Left In: 9.972 ± 17.074 χ^2/NDF : 0.1/1

+ sign -3.125 ± 7.739 χ^2/NDF : 17.6/17

All: -0.162 ± 5.427 χ^2/NDF : 35.9/38

- sign 2.707 ± 7.613 χ^2/NDF : 18.0/20

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF : 261444.9/15

Left Out: 21554.442+/-12.091 χ^2/NDF : 17405.3/1

Right Out: 23155.251+/-6.015 χ^2/NDF : 93894.1/18

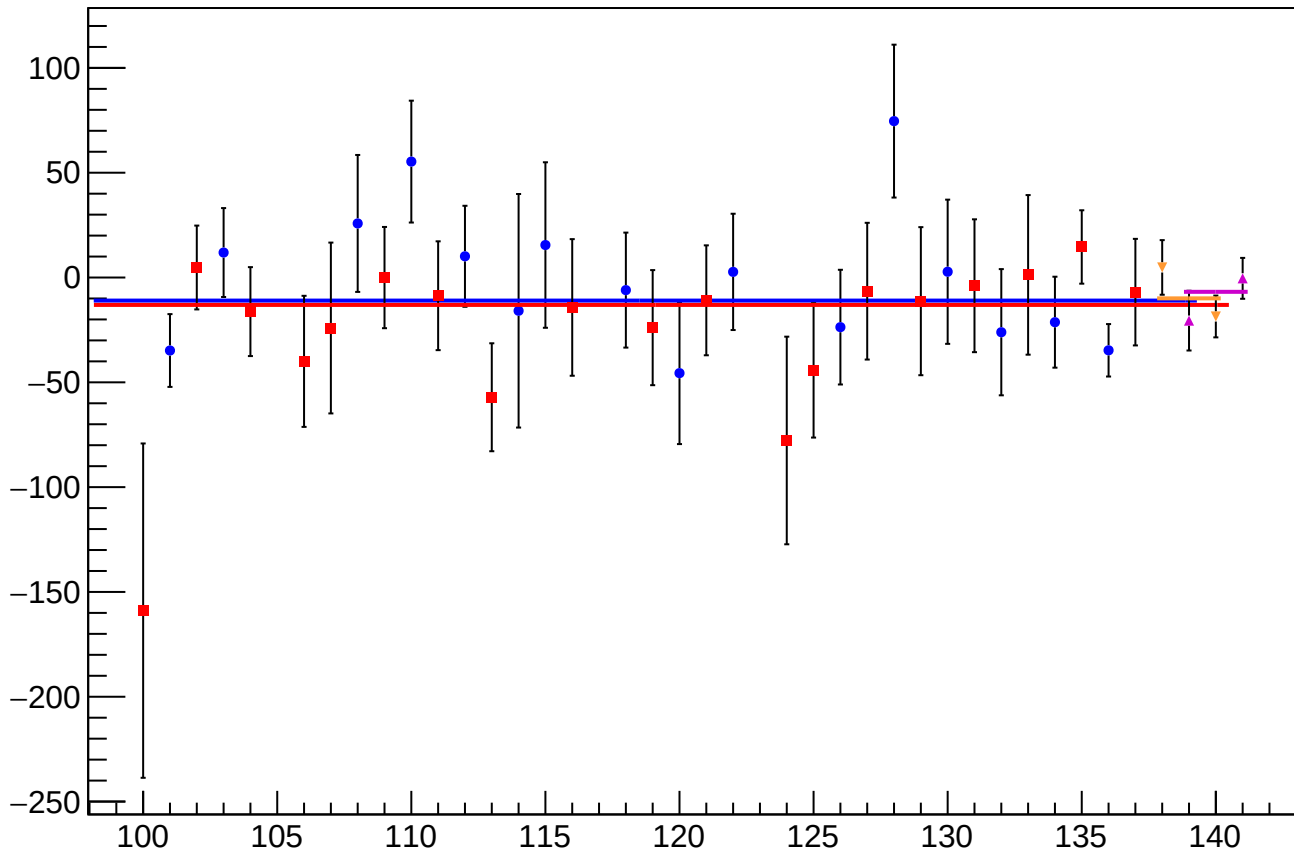
Left In: 22141.612+/-12.073 χ^2/NDF : 78620.7/1

+ sign 22746.791+/-5.472 χ^2/NDF : 291079.2/17

All: 22851.939+/-3.838 χ^2/NDF : 469967.9/38

- sign 22953.706+/-5.383 χ^2/NDF : 178162.2/20

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

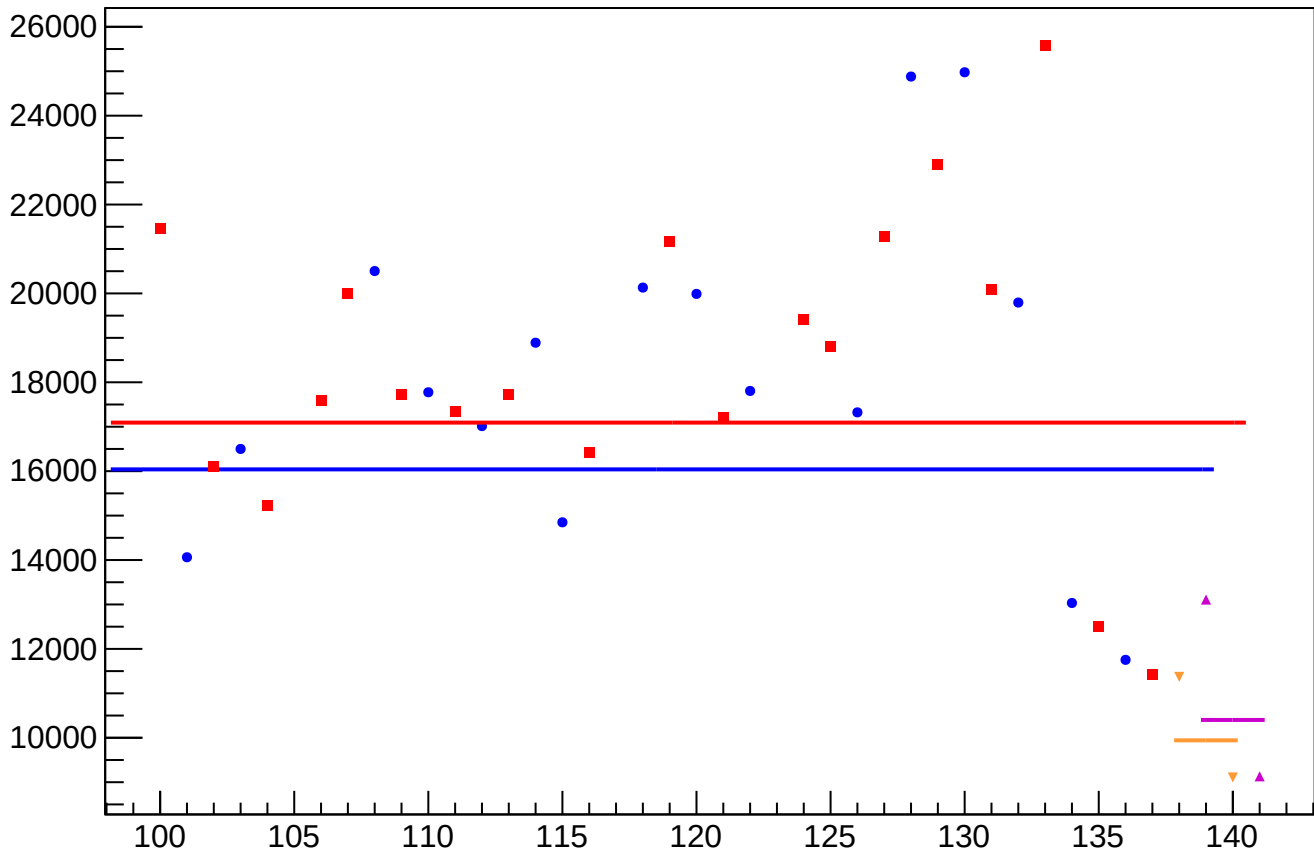
Left In: -6.823 ± 8.050 χ^2/NDF : 1.4/1

+ sign -10.603 ± 4.859 χ^2/NDF : 24.1/17

All: -10.631 ± 3.485 χ^2/NDF : 39.7/38

- sign -10.660 ± 5.001 χ^2/NDF : 15.6/20

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

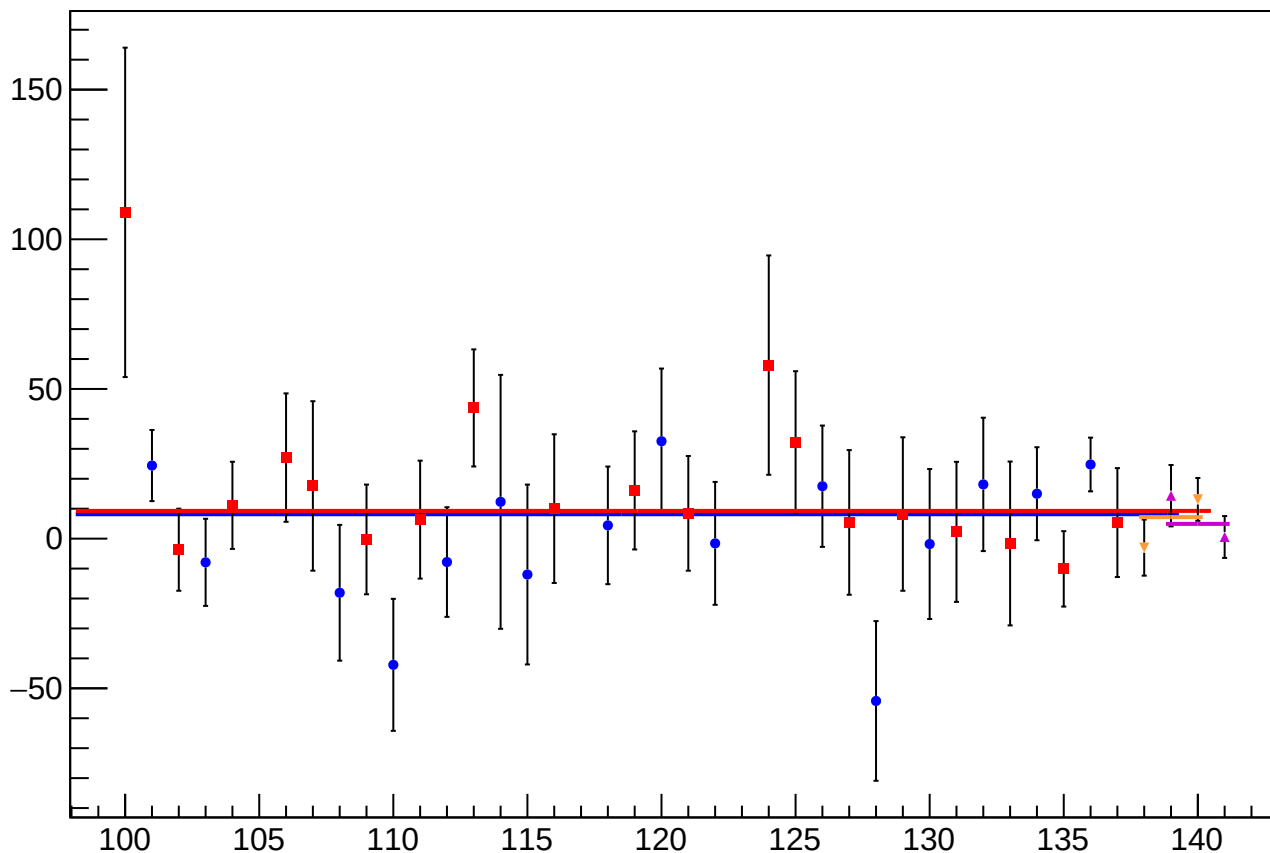
Left In: 10401.135 $\pm$ 5.692 χ^2 /NDF: 106067.6/1

+ sign 13742.652 $\pm$ 3.436 χ^2 /NDF: 1500390.5/17

All: 14115.350 $\pm$ 2.464 χ^2 /NDF: 3014742.6/3

- sign 14510.139 $\pm$ 3.536 χ^2 /NDF: 1490122.1/20

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

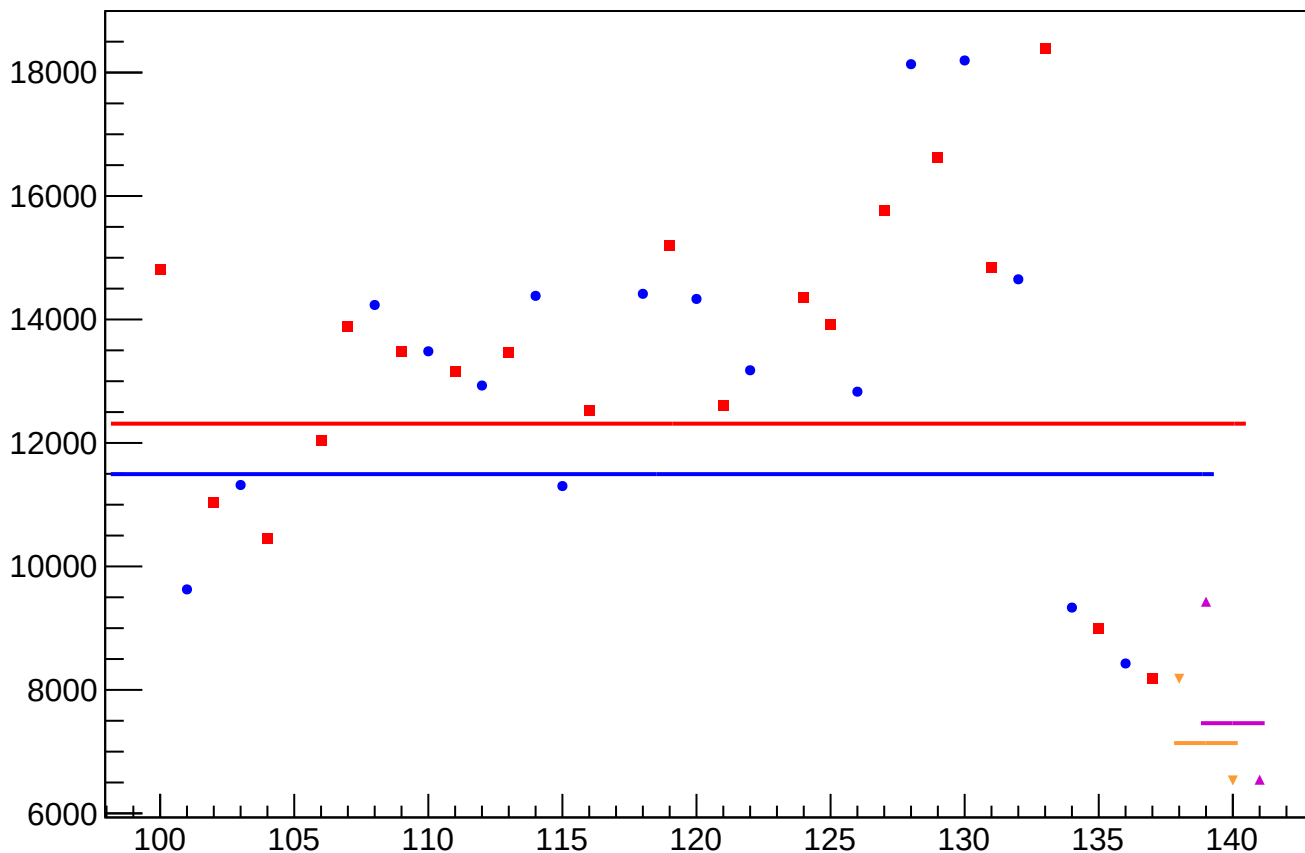
Left In: 4.929 ± 5.776 χ^2/NDF : 1.2/1

+ sign 7.787 ± 3.491 χ^2/NDF : 23.7/17

All: 7.688 ± 2.507 χ^2/NDF : 39.1/38

- sign 7.582 ± 3.602 χ^2/NDF : 15.4/20

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF : 789990.1/15

Left Out: 7138.709+/-4.020 χ^2/NDF : 39044.8/1

Right Out: 12312.550+/-3.258 χ^2/NDF : 598755.3/18

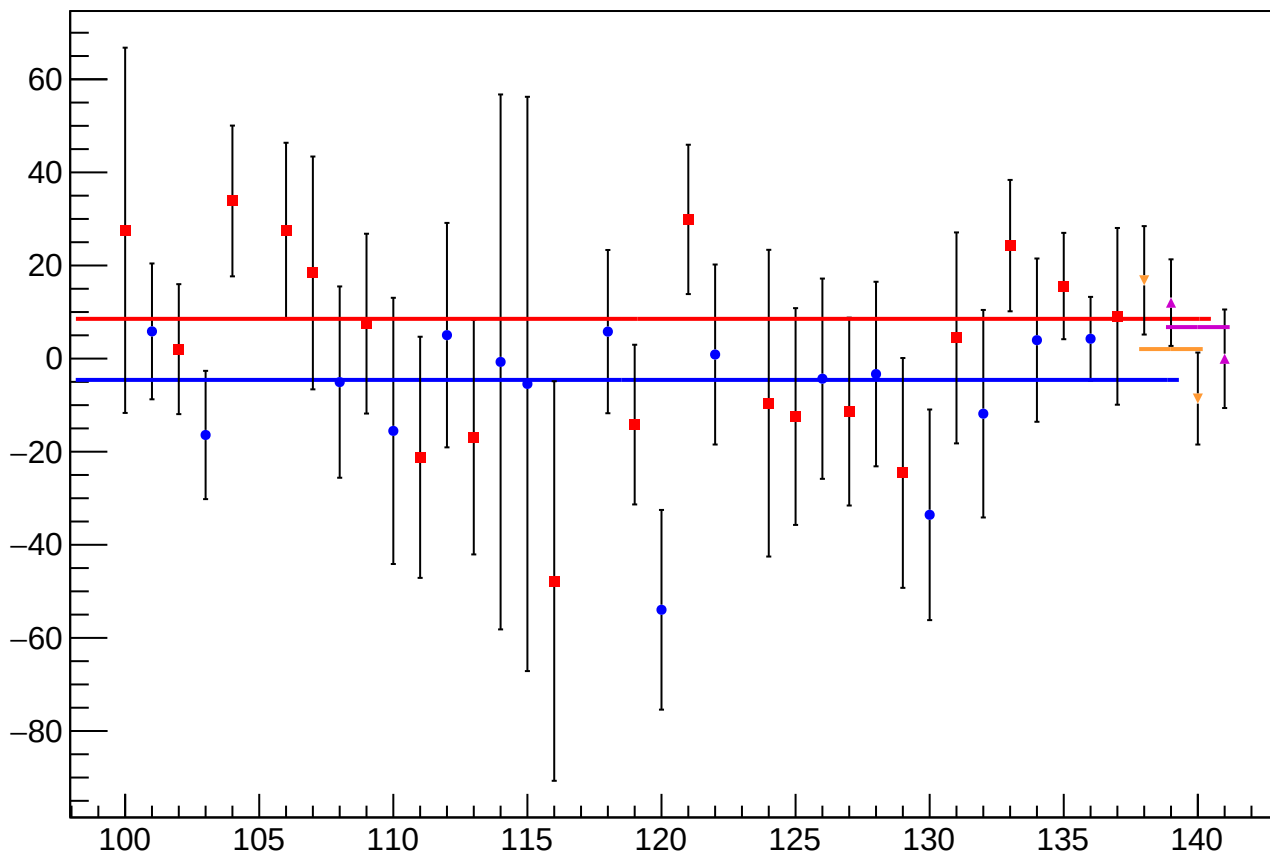
Left In: 7460.859+/-4.084 χ^2/NDF : 107981.6/1

+ sign 9852.501+/-2.468 χ^2/NDF : 1560578.9/17

All: 10130.302+/-1.773 χ^2/NDF : 3155872.5/3

- sign 10426.035+/-2.547 χ^2/NDF : 1569144.3/20

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

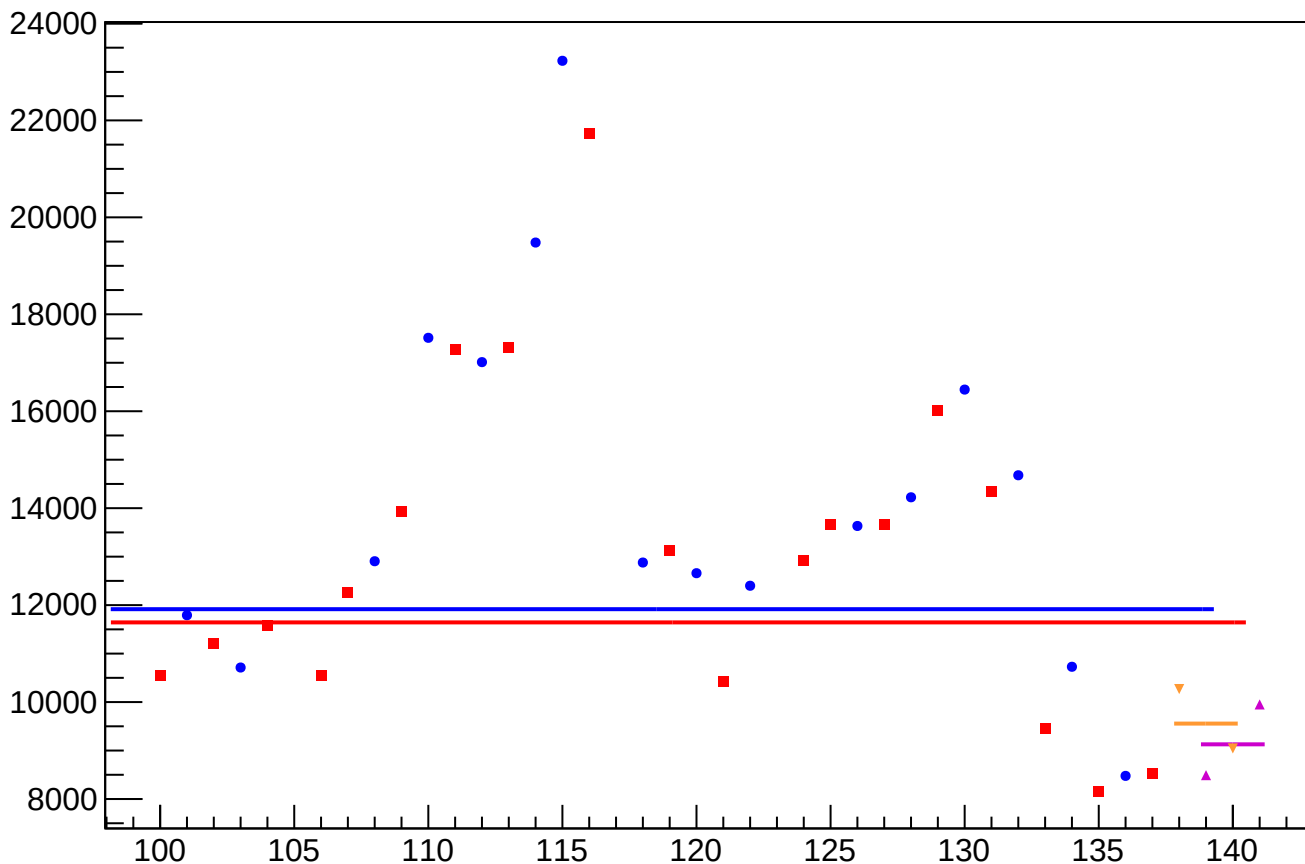
Left In: 6.767 $\pm$ 6.986 χ^2 /NDF: 0.7/1

+ sign -2.806 $\pm$ 3.897 χ^2 /NDF: 13.6/17

All: 2.870 $\pm$ 2.690 χ^2 /NDF: 35.6/38

- sign 8.036 $\pm$ 3.718 χ^2 /NDF: 18.0/20

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

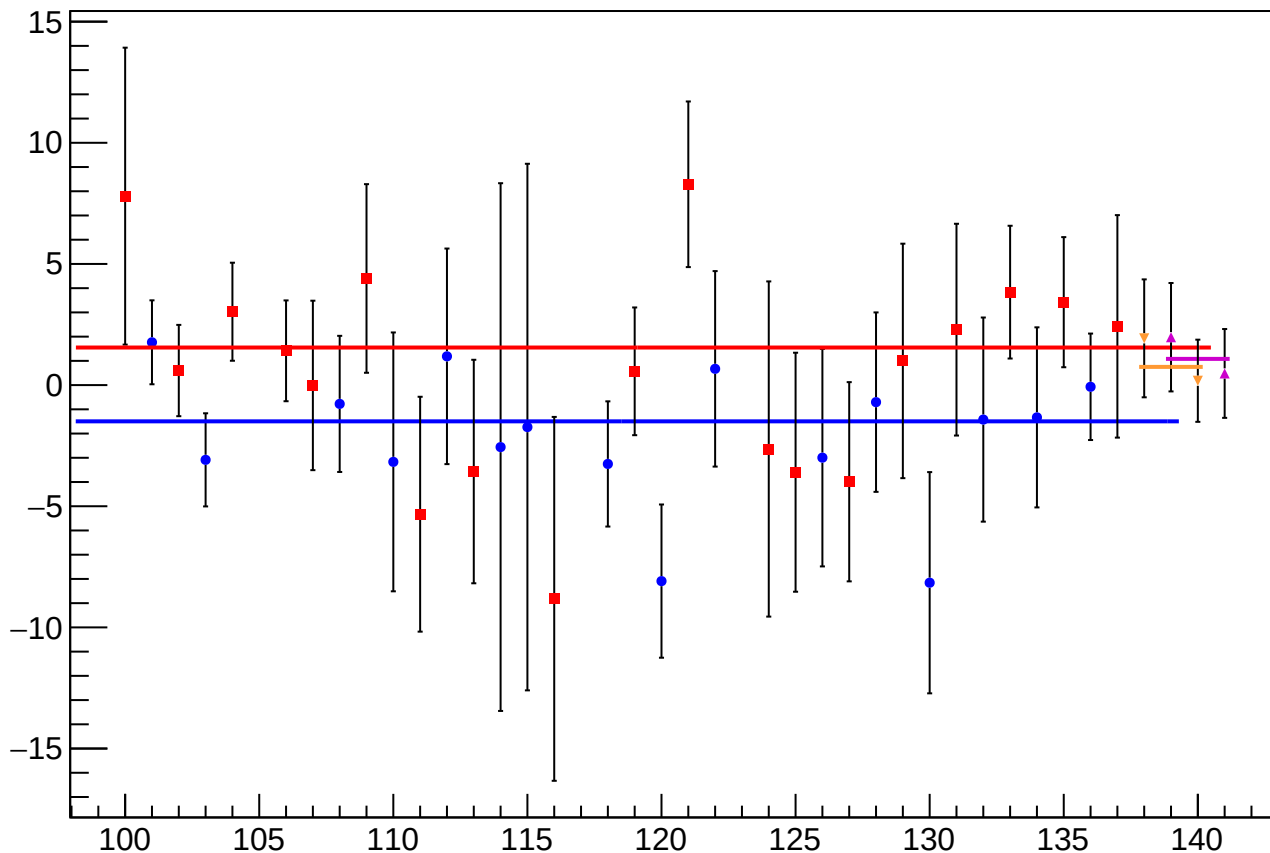
Left In: 9128.219+/-4.940 χ^2/NDF :21439.6/1

+ sign 11284.854+/-2.756 χ^2/NDF : 906382.6/17

All: 11099.645+/-1.902 χ^2/NDF : 1912623.8/3

- sign 10931.057+/-2.629 χ^2/NDF : 997613.8/20

diff_bpm4aediY_mean vs Slug



Right In: -1.496 $\pm$ 0.778 χ^2/NDF : 12.6/15

Left Out: 0.751 $\pm$ 1.391 χ^2/NDF : 0.3/1

Right Out: 1.551 $\pm$ 0.745 χ^2/NDF : 16.3/18

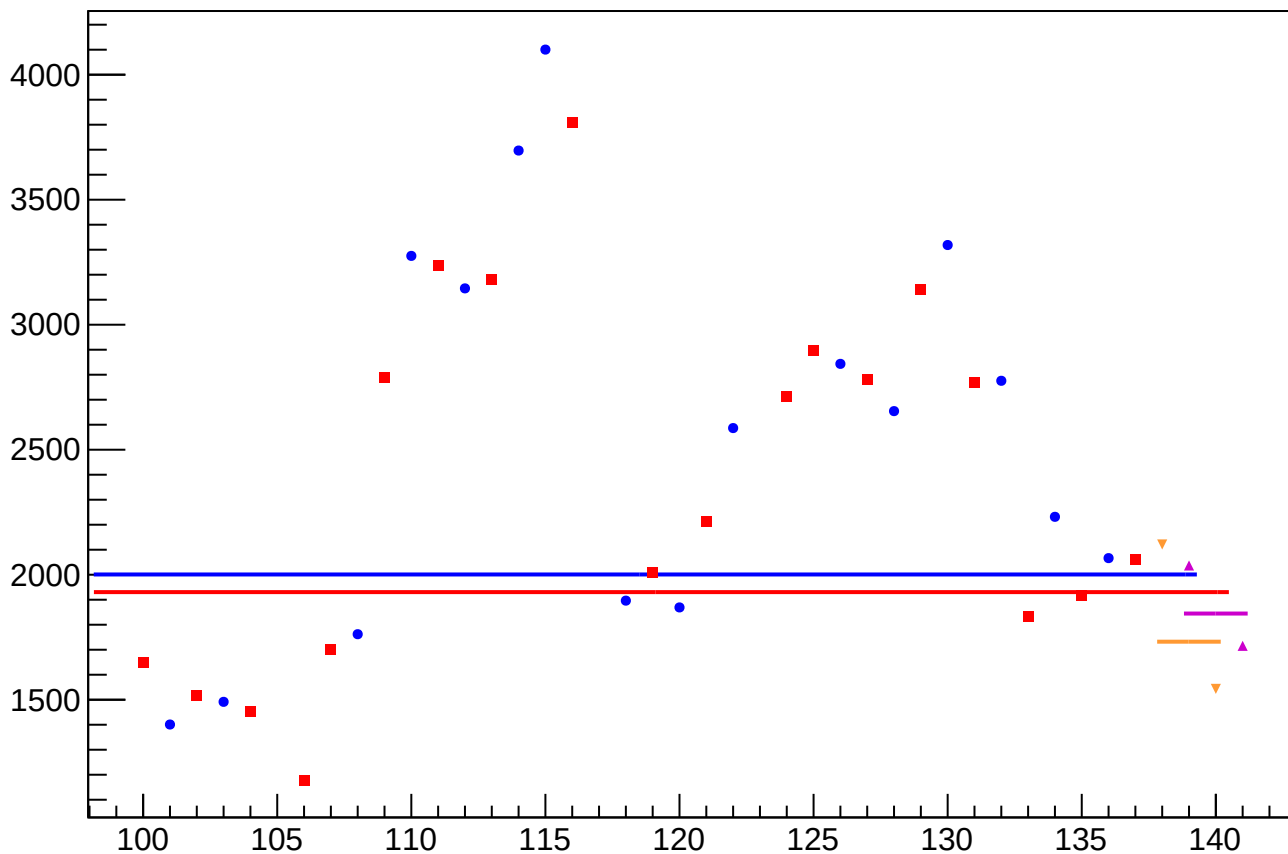
Left In: 1.082 $\pm$ 1.418 χ^2/NDF : 0.3/1

+ sign -0.960 $\pm$ 0.679 χ^2/NDF : 14.9/17

All: 0.280 $\pm$ 0.473 χ^2/NDF : 38.0/38

- sign 1.449 $\pm$ 0.659 χ^2/NDF : 16.6/20

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

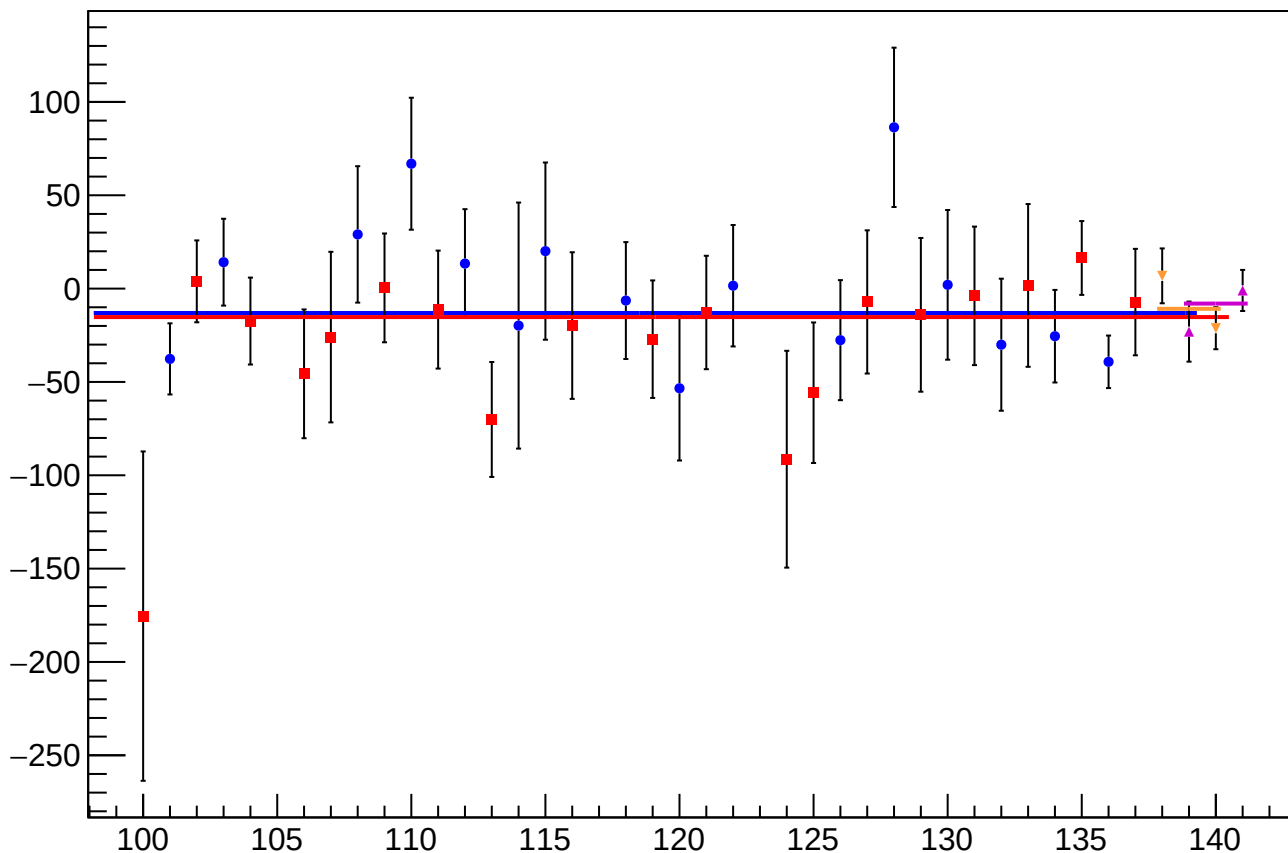
Left In: 1844.704 $\pm$ 1.003 χ^2 /NDF: 24703.5/1

+ sign 1936.916 $\pm$ 0.480 χ^2 /NDF: 1322535.3/17

All: 1924.036 $\pm$ 0.334 χ^2 /NDF: 2757919.9/38

- sign 1911.904 $\pm$ 0.466 χ^2 /NDF: 1433987.9/20

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

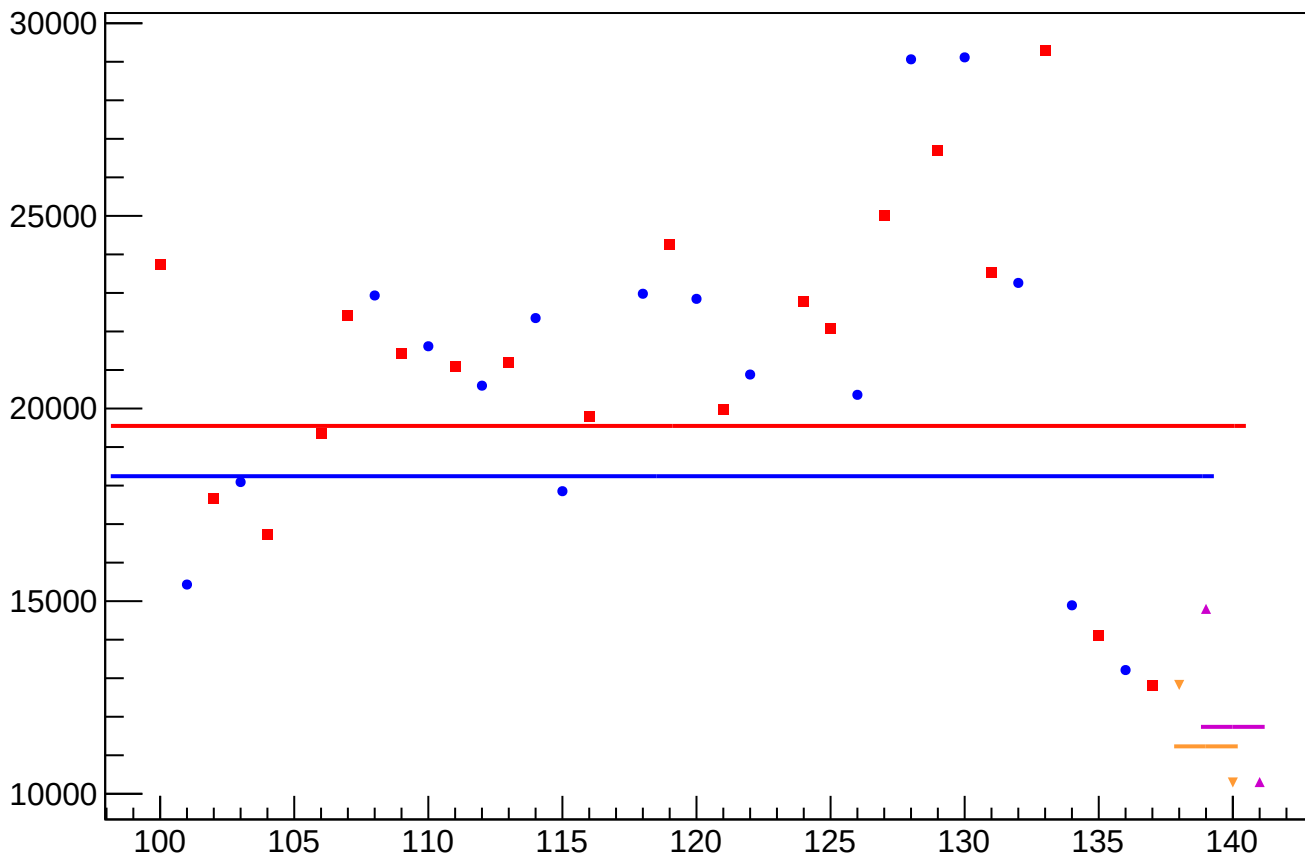
Left In: -8.017 ± 9.085 χ^2/NDF : 1.3/1

+ sign -12.211 ± 5.525 χ^2/NDF : 24.2/17

All: -12.305 ± 3.967 χ^2/NDF : 40.2/38

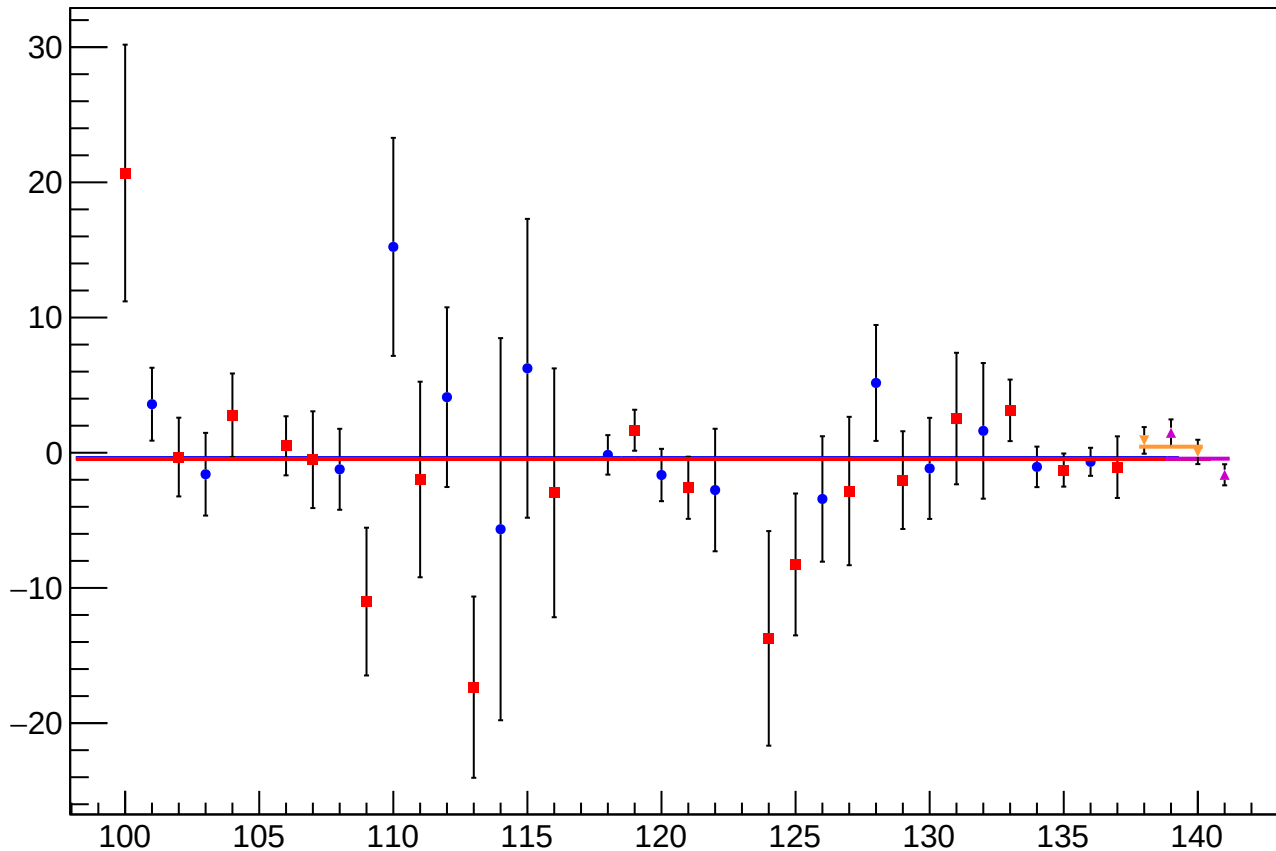
- sign -12.404 ± 5.700 χ^2/NDF : 16.0/20

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF : 819828.6/15 + sign 15566.224+/-3.907 χ^2/NDF : 1617712.0/17
 Left Out: 11231.050+/-6.322 χ^2/NDF : 37392.8/1 All: 16005.596+/-2.805 χ^2/NDF : 3268205.1/3
 Right Out: 19548.426+/-5.176 χ^2/NDF : 621716.4/18 - sign 16473.343+/-4.031 χ^2/NDF : 1624376.4/20
 Left In: 11737.753+/-6.424 χ^2/NDF : 106320.2/1

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

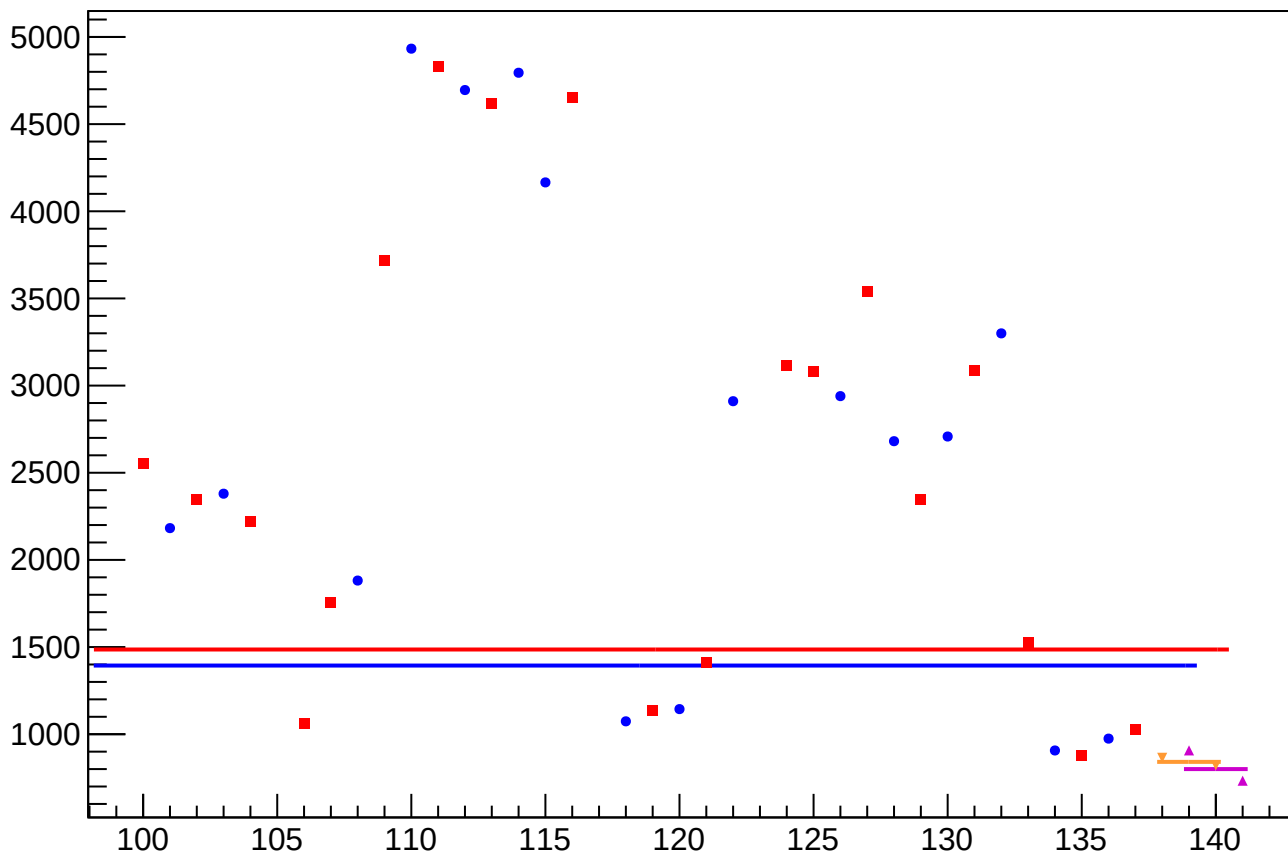
Left In: -0.440 ± 0.613 χ^2/NDF : 6.1/1

+ sign -0.016 ± 0.445 χ^2/NDF : 11.7/17

All: -0.236 ± 0.313 χ^2/NDF : 46.3/38

- sign -0.452 ± 0.441 χ^2/NDF : 34.1/20

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF : 3381007.0/15

Left Out: 841.334+/-0.470 χ^2/NDF : 2071.3/1

Right Out: 1486.000+/-0.448 χ^2/NDF : 3398817.4/18

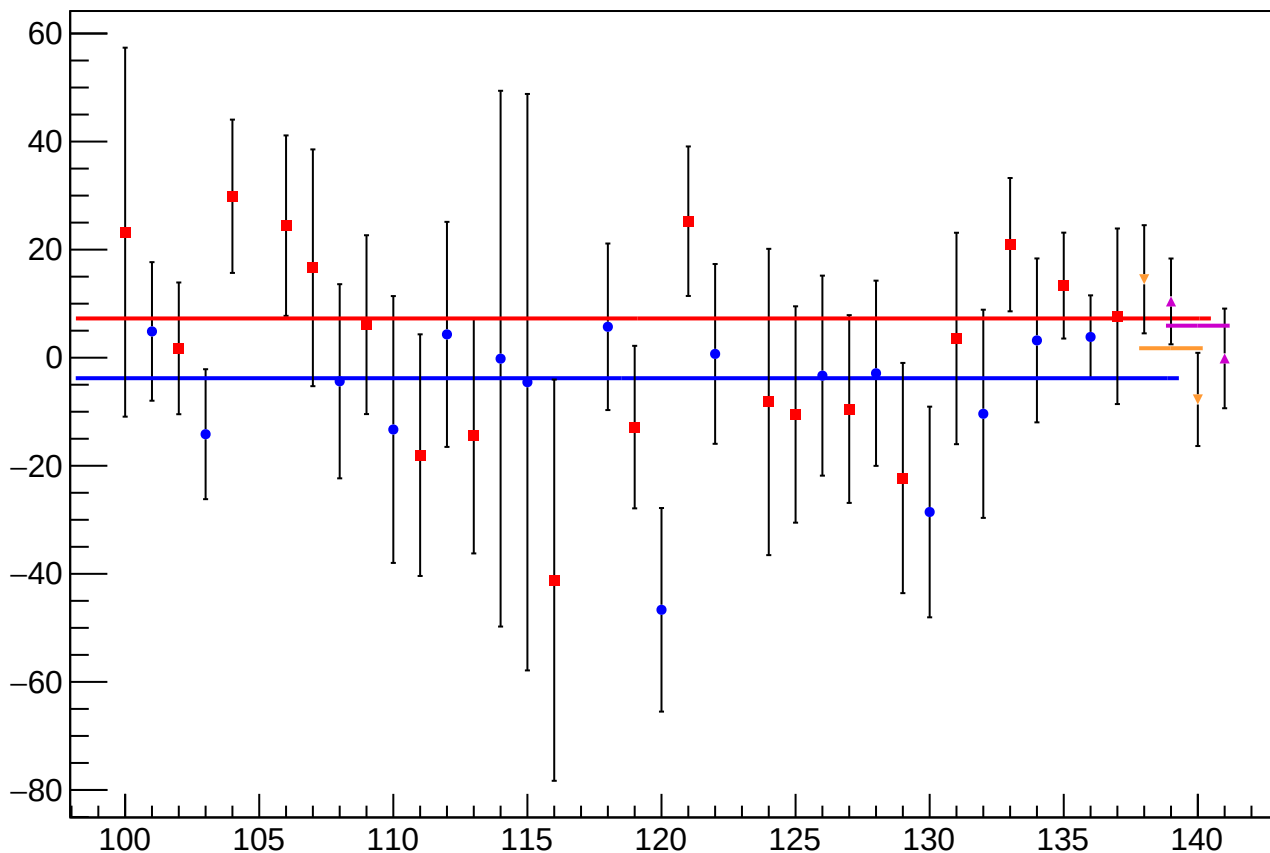
Left In: 800.004+/-0.434 χ^2/NDF : 38021.0/1

+ sign 1145.706+/-0.315 χ^2/NDF : 4144701.5/17

All: 1138.616+/-0.222 χ^2/NDF : 8792327.9/38

- sign 1131.672+/-0.312 χ^2/NDF : 4646623.2/20

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795 $\pm$ 3.943 χ^2 /NDF: 10.1/15

Left Out: 1.752 $\pm$ 6.533 χ^2 /NDF:2.8/1

Right Out: 7.264 $\pm$ 3.807 χ^2 /NDF: 17.3/18

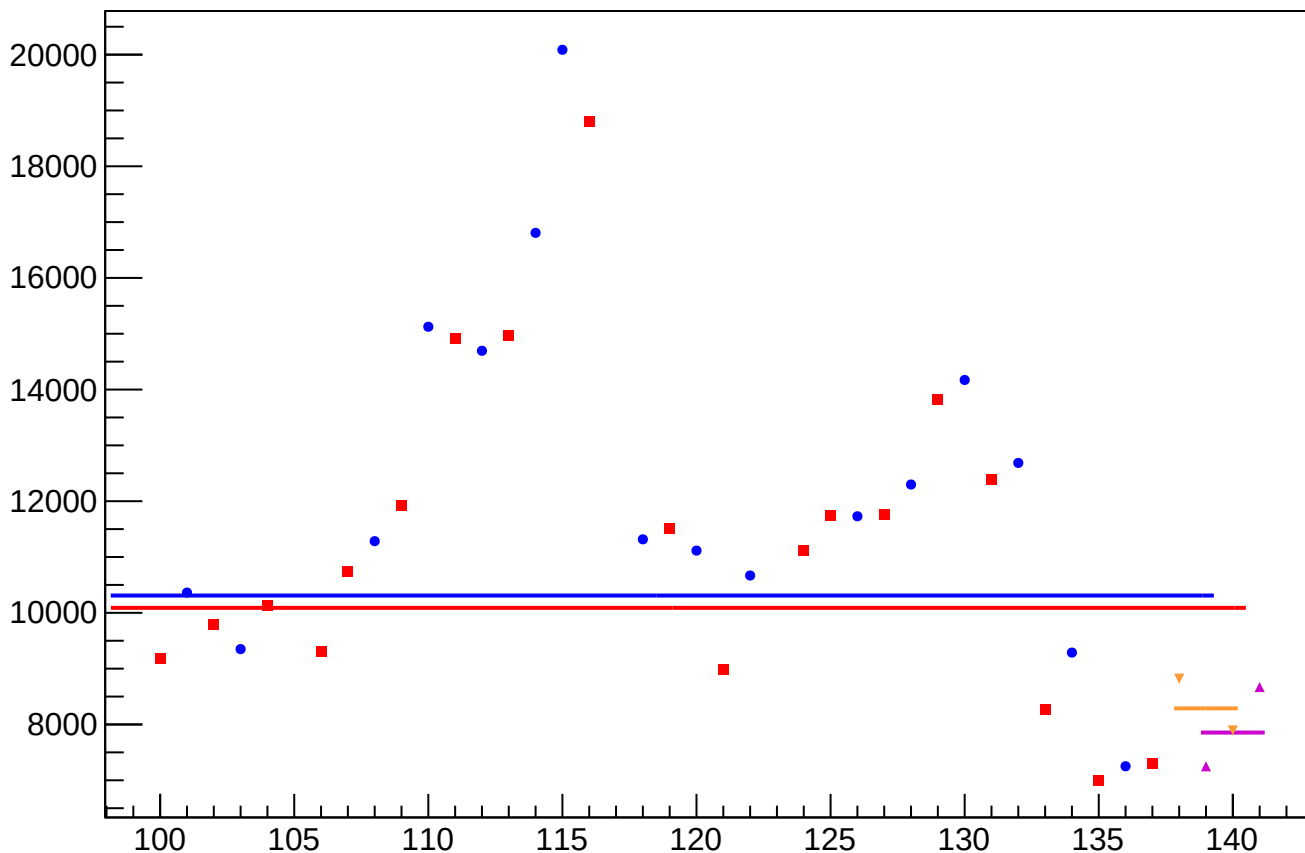
Left In: 5.926 $\pm$ 6.017 χ^2 /NDF:0.8/1

+ sign -2.314 $\pm$ 3.376 χ^2 /NDF: 13.4/17

All: 2.505 $\pm$ 2.329 χ^2 /NDF: 35.4/38

- sign 6.882 $\pm$ 3.217 χ^2 /NDF: 18.0/20

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF : 770518.2/15

Left Out: 8288.289+/-4.620 χ^2/NDF :9856.0/1

Right Out: 10089.584+/-2.692 χ^2/NDF : 792788.1/18

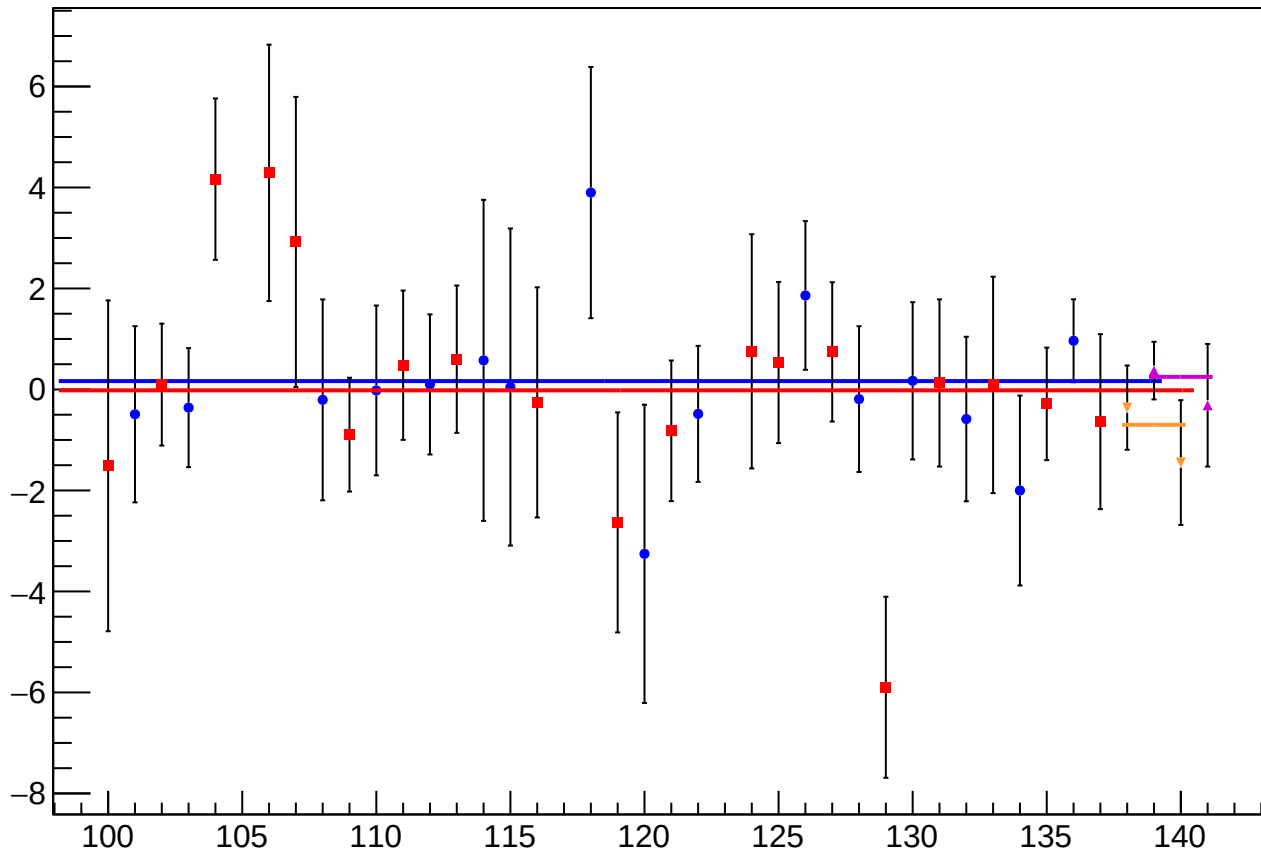
Left In: 7855.116+/-4.254 χ^2/NDF :27243.2/1

+ sign 9770.198+/-2.387 χ^2/NDF : 920745.1/17

All: 9602.781+/-1.647 χ^2/NDF : 1947149.1/38

- sign 9450.750+/-2.275 χ^2/NDF : 1017018.6/20

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165 $\pm$ 0.386 χ^2/NDF : 8.1/15

Left Out: -0.700 $\pm$ 0.691 χ^2/NDF : 0.5/1

Right Out: -0.017 $\pm$ 0.372 χ^2/NDF : 25.2/18

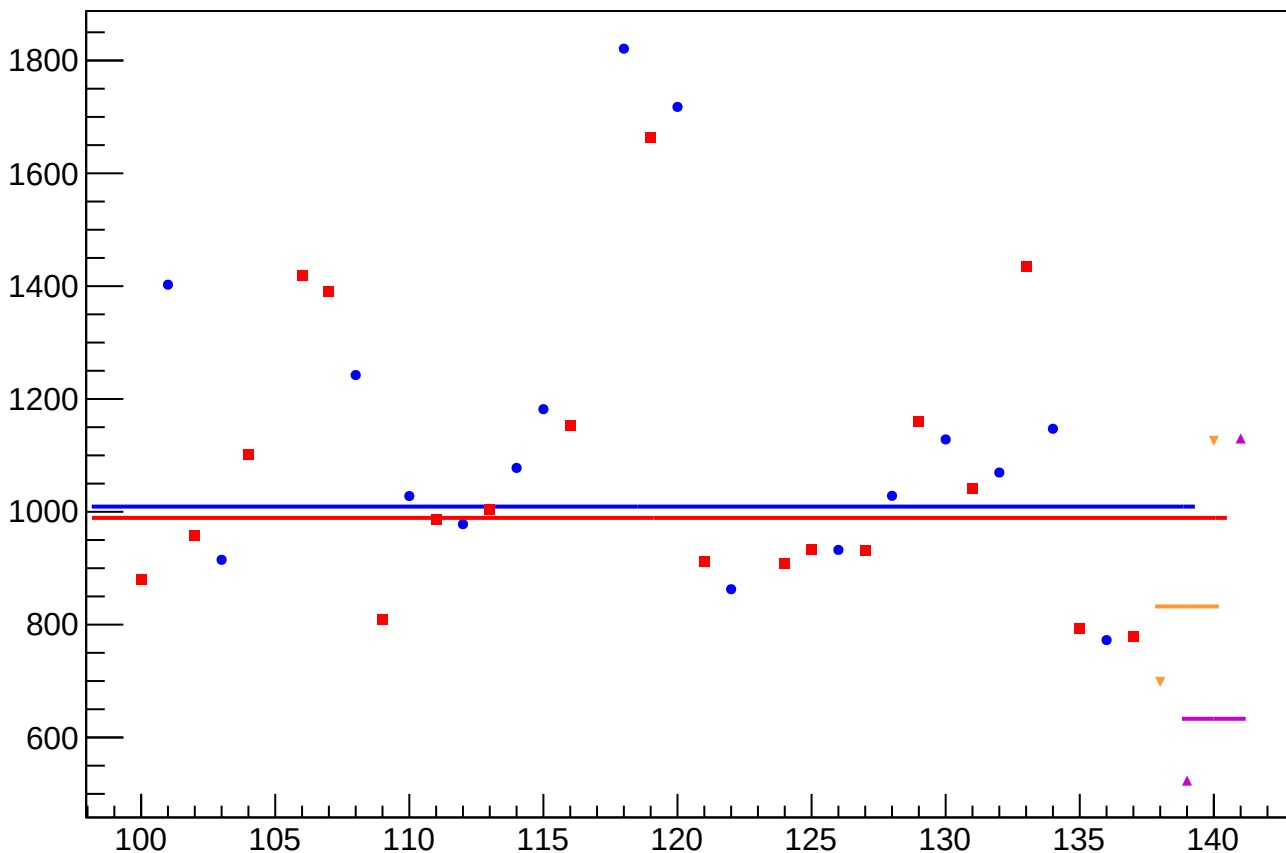
Left In: 0.249 $\pm$ 0.516 χ^2/NDF : 0.3/1

+ sign -0.041 $\pm$ 0.337 χ^2/NDF : 9.8/17

All: 0.023 $\pm$ 0.225 χ^2/NDF : 35.5/38

- sign 0.074 $\pm$ 0.302 χ^2/NDF : 25.6/20

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222 $\pm$ 0.273 χ^2 /NDF: 699303.9/15

Left Out: 832.268 $\pm$ 0.489 χ^2 /NDF:164492.0/1

Right Out: 989.246 $\pm$ 0.263 χ^2 /NDF: 575759.9/18

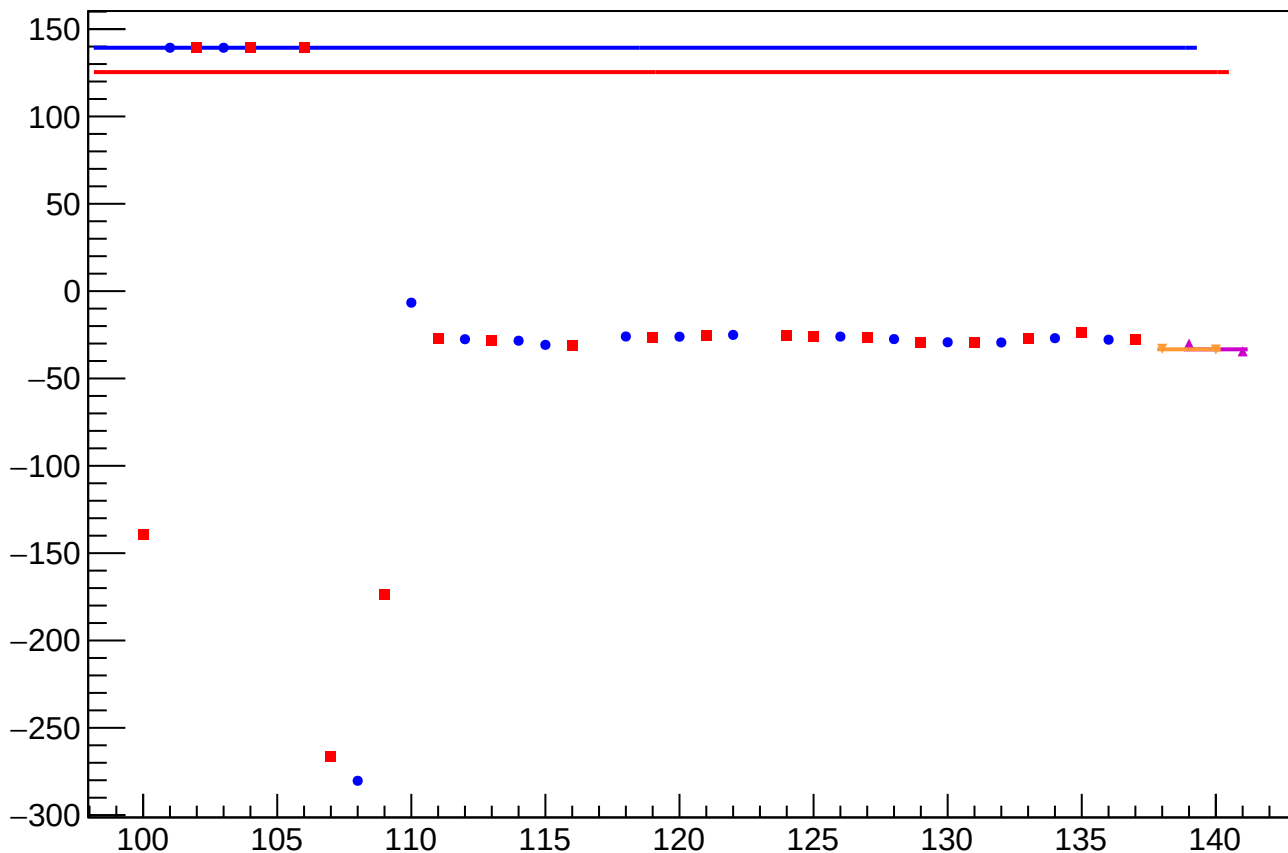
Left In: 633.119 $\pm$ 0.365 χ^2 /NDF:408474.3/1

+ sign 967.119 $\pm$ 0.238 χ^2 /NDF: 963640.8/17

All: 911.782 $\pm$ 0.159 χ^2 /NDF: 2671116.8/38

- sign 867.427 $\pm$ 0.213 χ^2 /NDF: 1610461.2/20

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

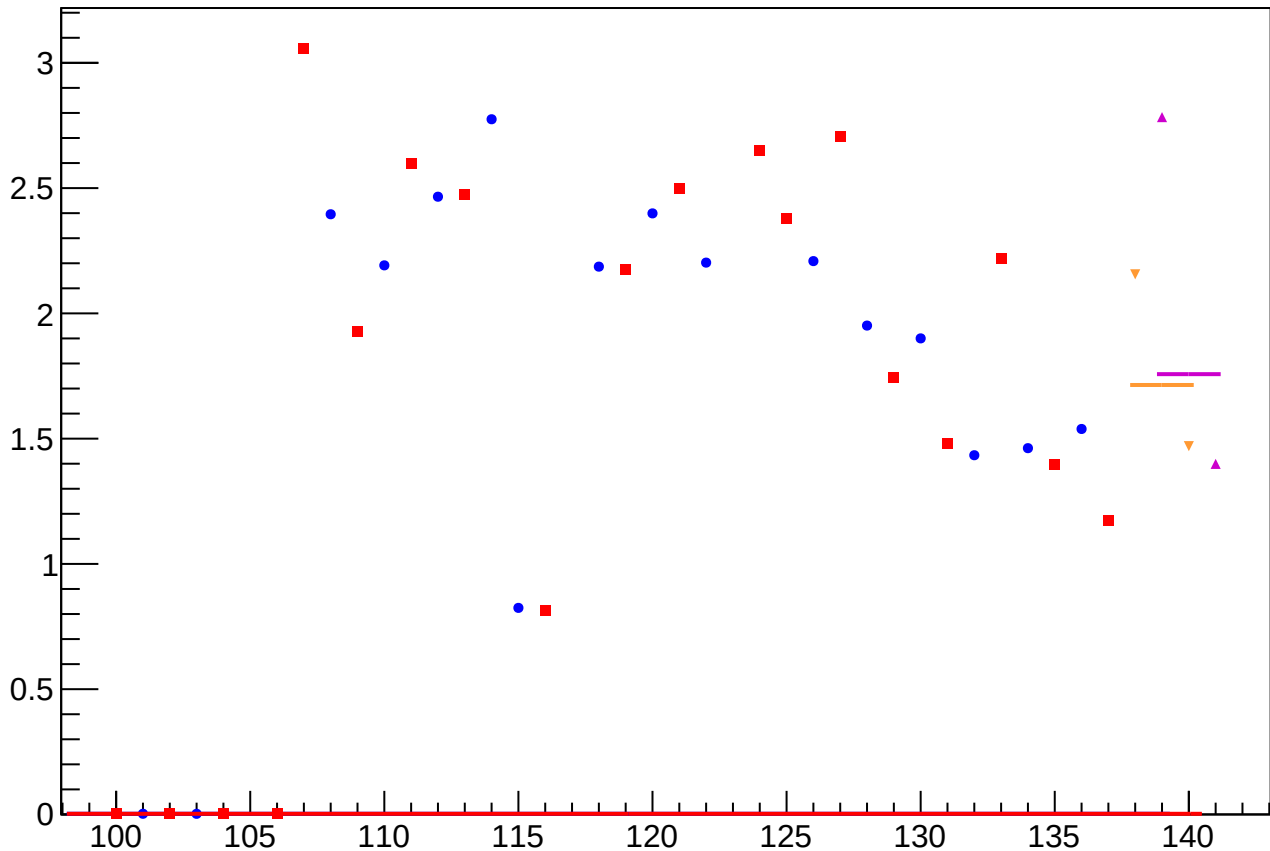
Left In: -33.317 $\pm$ 0.002 χ^2 /NDF:1553538.4/1

+ sign 139.336 $\pm$ 0.000 χ^2 /NDF: 58961899663.9/17

All: 131.818 $\pm$ 0.000 χ^2 /NDF: 793027018418

- sign 125.391 $\pm$ 0.000 χ^2 /NDF: 774183425319478

yield_cav4bX_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 9565657.6/15

Left Out: 1.714 $\pm$ 0.001 χ^2 /NDF: 85951.5/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 9733783.1/18

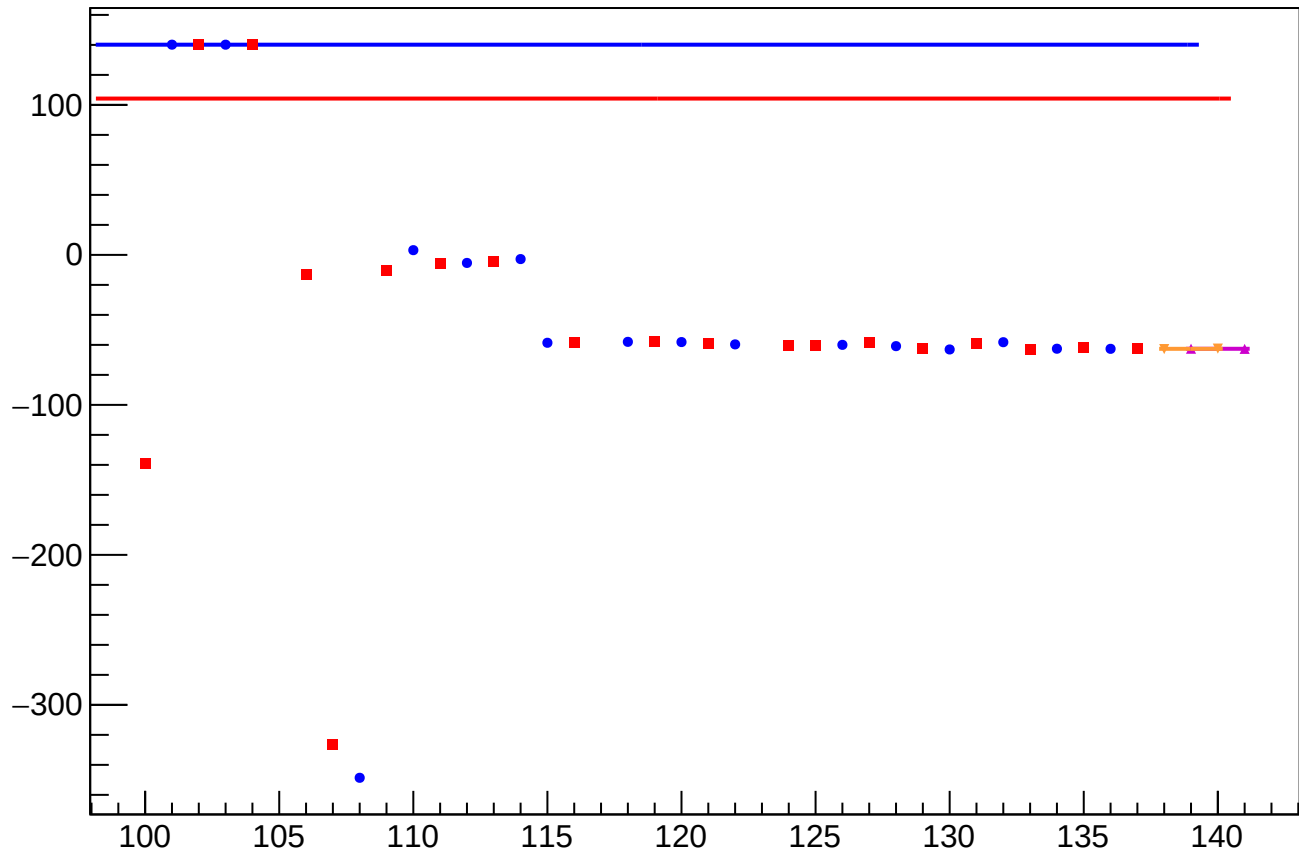
Left In: 1.757 $\pm$ 0.001 χ^2 /NDF: 300579.9/1

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 11985864.0/17

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 24539748.5/38

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12553696.4/20

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

+ sign 140.139+/-0.000 χ^2/NDF : 344633945462.4/1

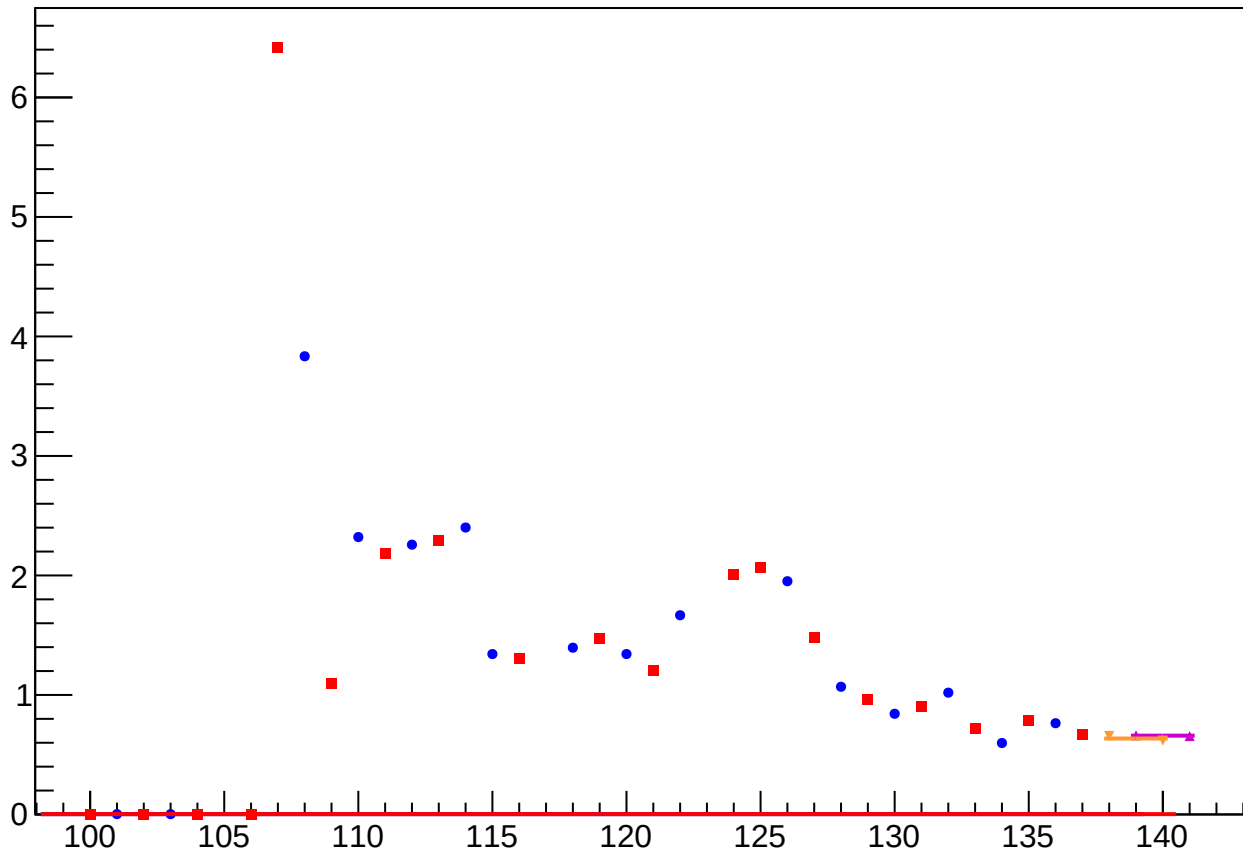
All: 120.828+/-0.000 χ^2/NDF : 13811535163

Right Out: 104.224+/-0.000 χ^2/NDF : 1257401882577977.0/18

- sign 104.221+/-0.000 χ^2/NDF : 125750870649862

Left In: -62.601+/-0.001 χ^2/NDF : 9656.7/1

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

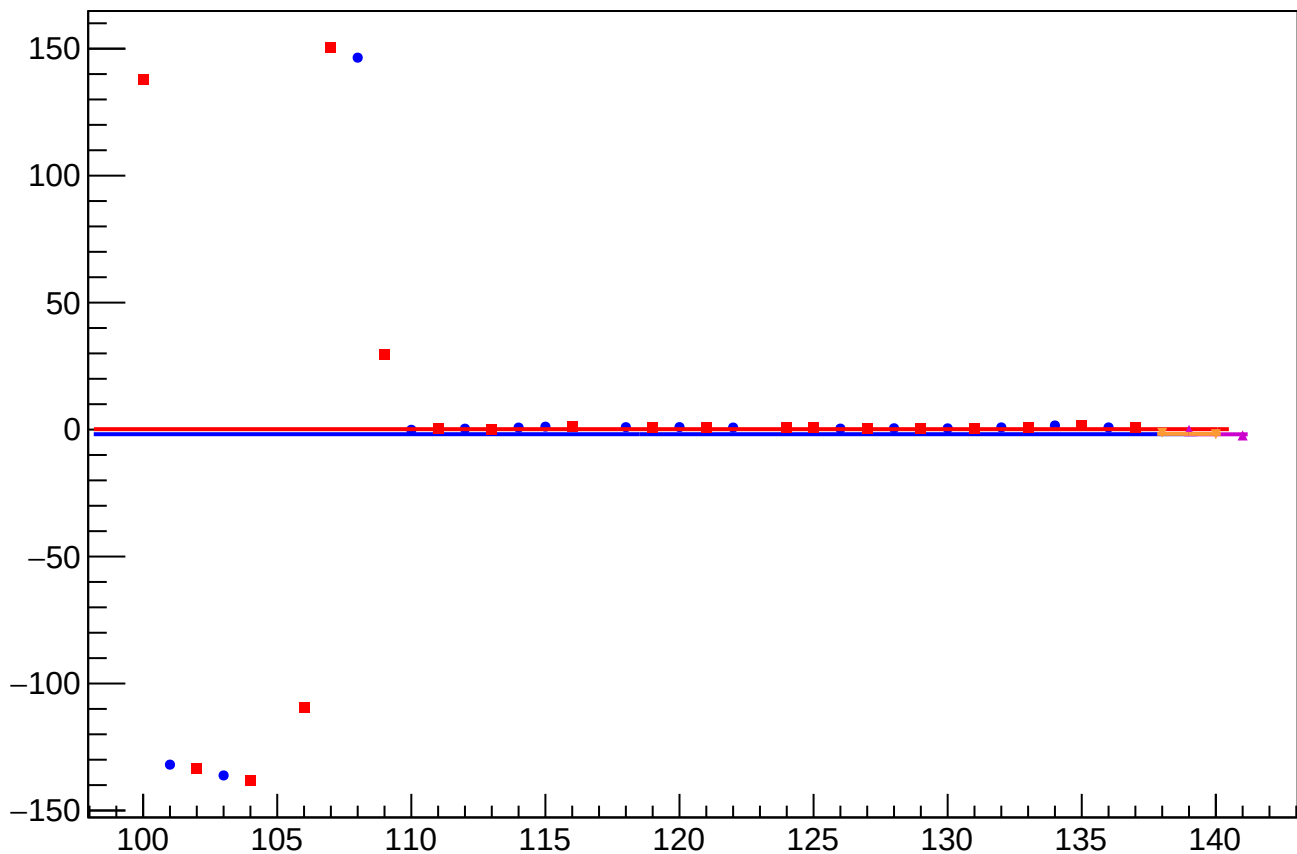
Left In: 0.659+/-0.000 χ^2/NDF :66.4/1

+ sign 0.003+/-0.000 χ^2/NDF : 13642393.2/17

All: 0.003+/-0.000 χ^2/NDF : 27220006.7/38

- sign 0.003+/-0.000 χ^2/NDF : 13577388.6/20

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

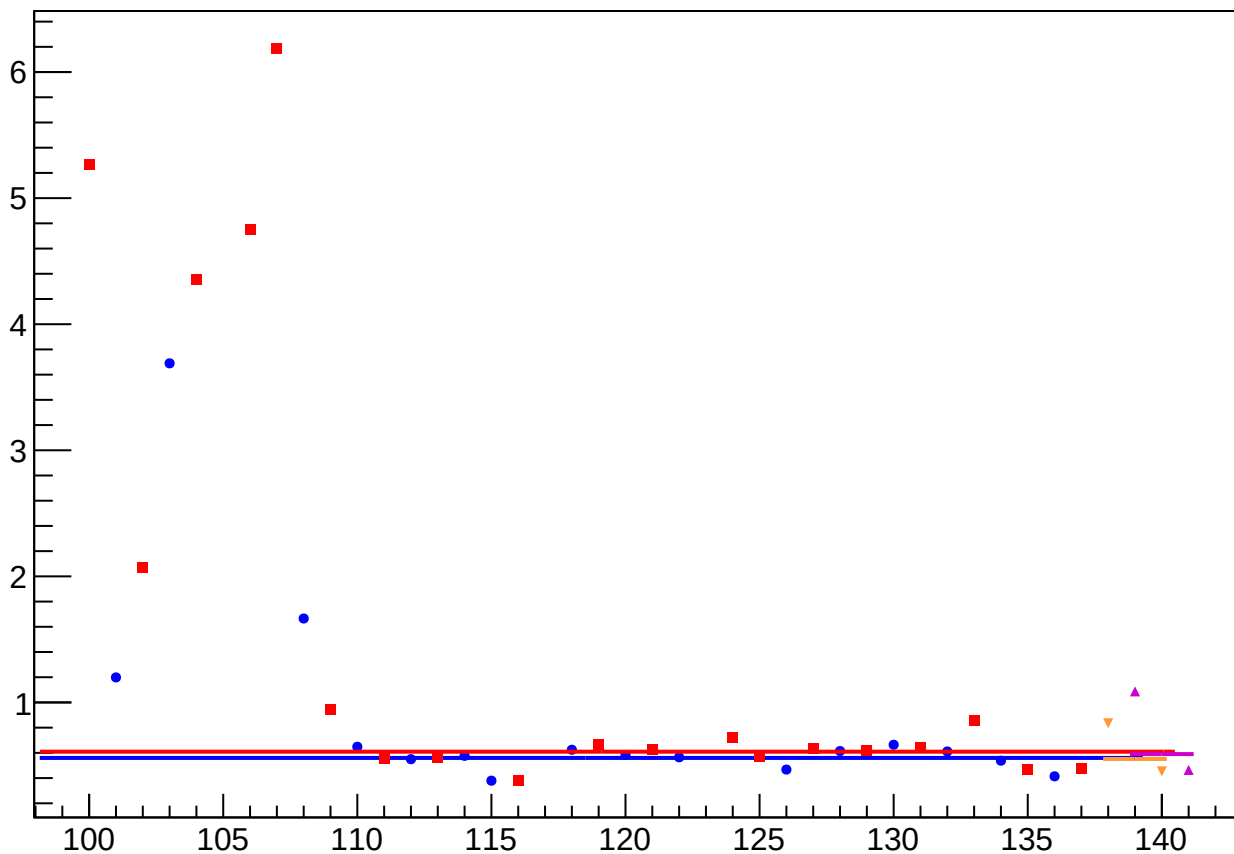
Left In: -1.859+/-0.001 χ^2/NDF : 2782979.1/1

+ sign -1.794+/-0.000 χ^2/NDF : 9887465557.5/17

All: -1.087+/-0.000 χ^2/NDF : 13534491171.3/3

- sign -0.257+/-0.000 χ^2/NDF : 3625454429.4/20

yield_cav4cX_rms vs Slug



Right In: 0.560 $\pm$ 0.000 χ^2 /NDF: 1598439.5/15

Left Out: 0.552 $\pm$ 0.000 χ^2 /NDF:206749.0/1

Right Out: 0.609 $\pm$ 0.000 χ^2 /NDF: 2476010.3/18

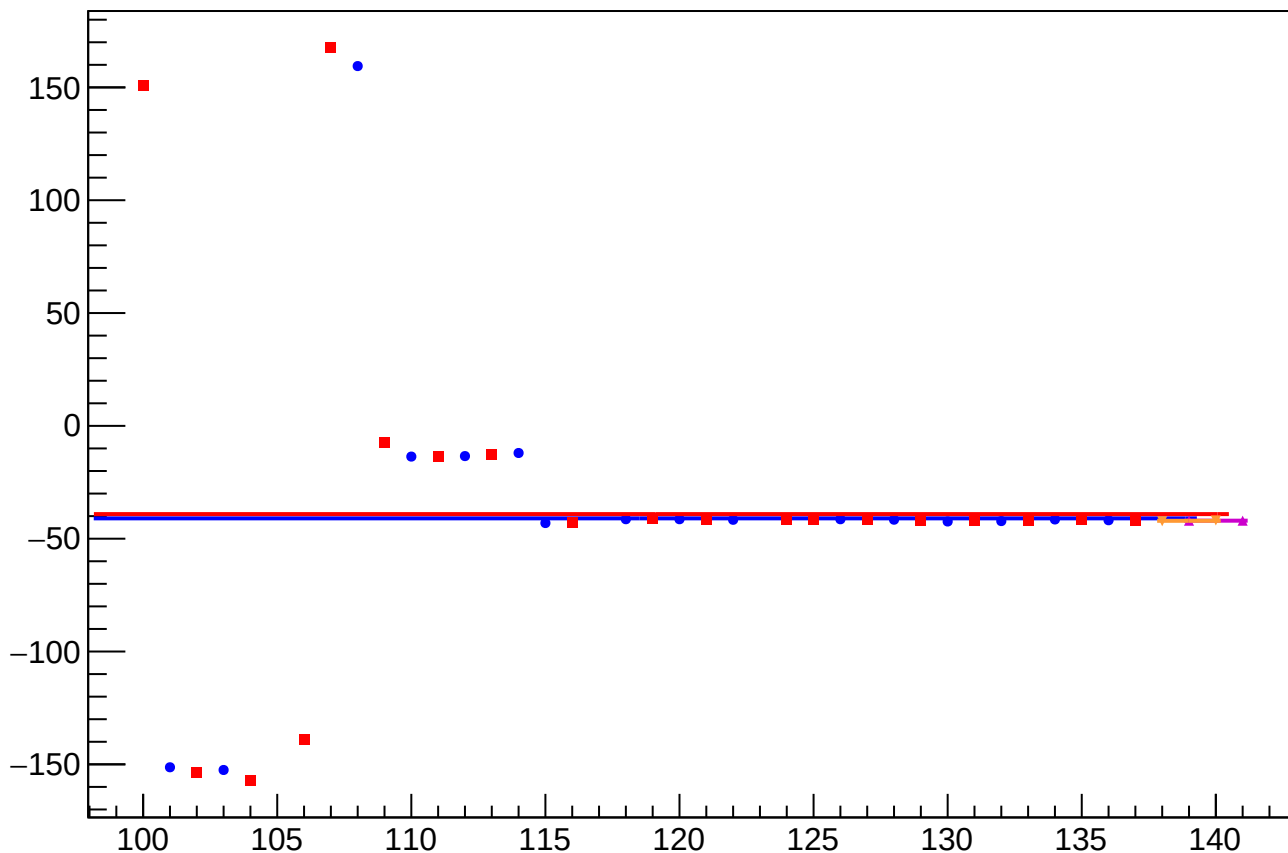
Left In: 0.590 $\pm$ 0.000 χ^2 /NDF:440322.9/1

+ sign 0.558 $\pm$ 0.000 χ^2 /NDF: 1805599.6/17

All: 0.580 $\pm$ 0.000 χ^2 /NDF: 4764449.0/38

- sign 0.605 $\pm$ 0.000 χ^2 /NDF: 2918356.7/20

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

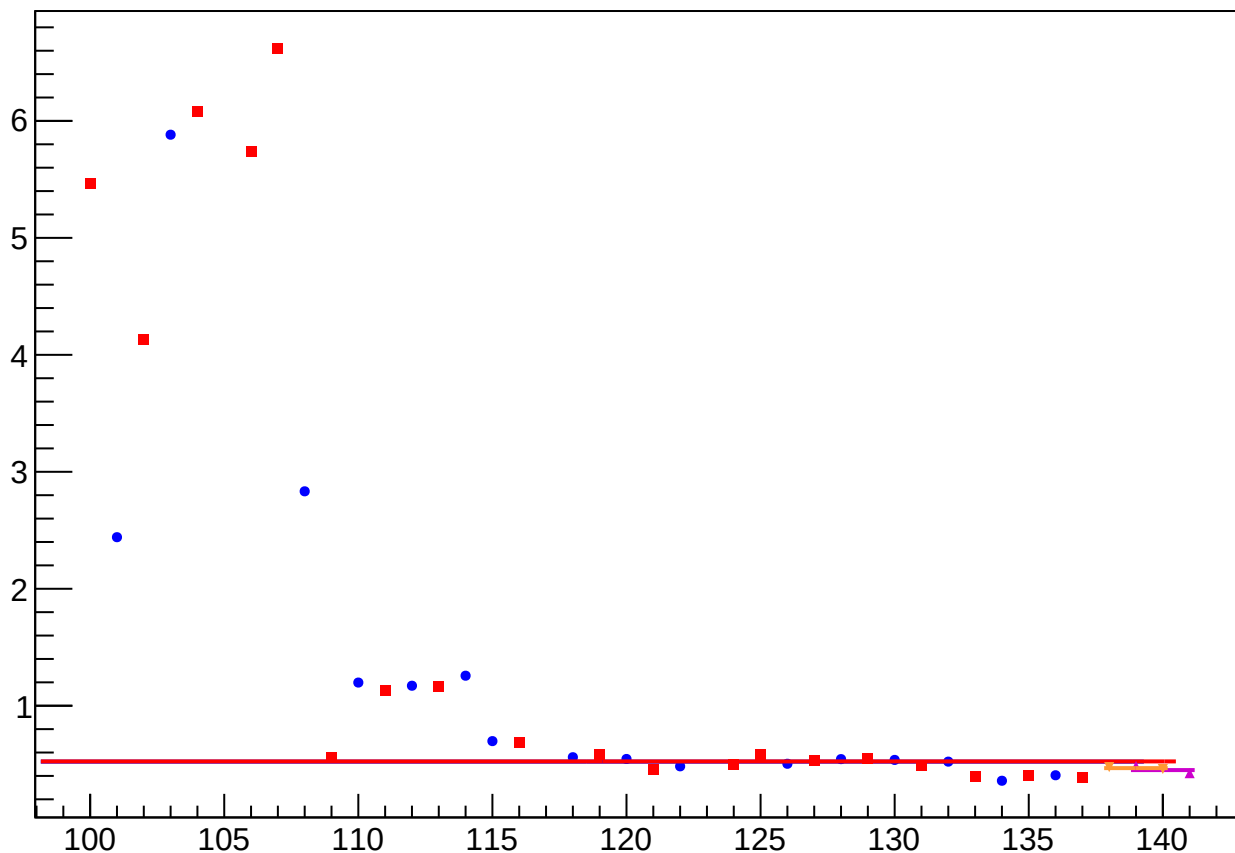
Left In: -42.017+/-0.000 χ^2/NDF :349.2/1

+ sign -41.267+/-0.000 χ^2/NDF : 3455446900.0/17

All: -40.604+/-0.000 χ^2/NDF : 6001712802.2/20

- sign -39.953+/-0.000 χ^2/NDF : 2524618143.9/20

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF : 2949327.6/15

Left Out: 0.467+/-0.000 χ^2/NDF :844.5/1

Right Out: 0.524+/-0.000 χ^2/NDF : 3264460.0/18

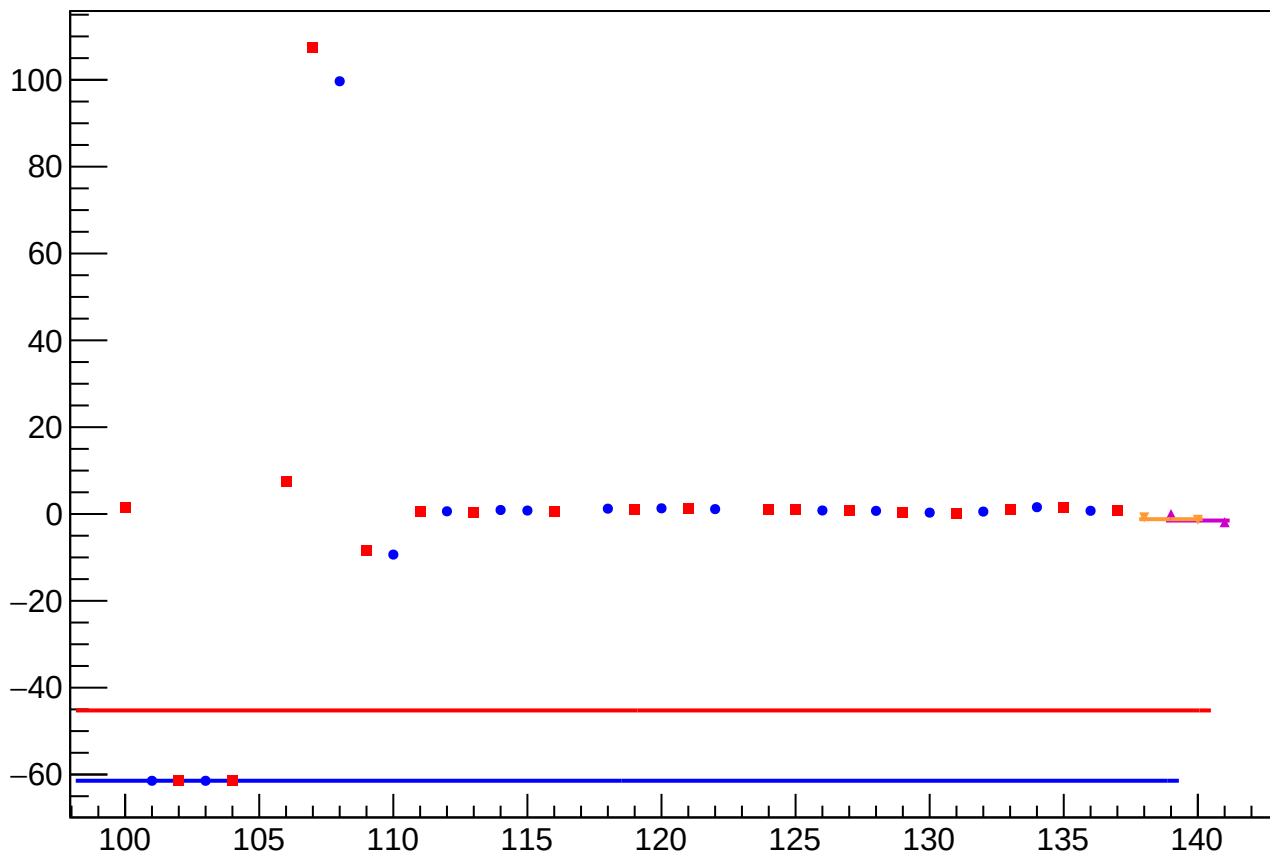
Left In: 0.450+/-0.000 χ^2/NDF :13495.8/1

+ sign 0.508+/-0.000 χ^2/NDF : 2979335.9/17

All: 0.505+/-0.000 χ^2/NDF : 6315496.6/38

- sign 0.502+/-0.000 χ^2/NDF : 3335422.7/20

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

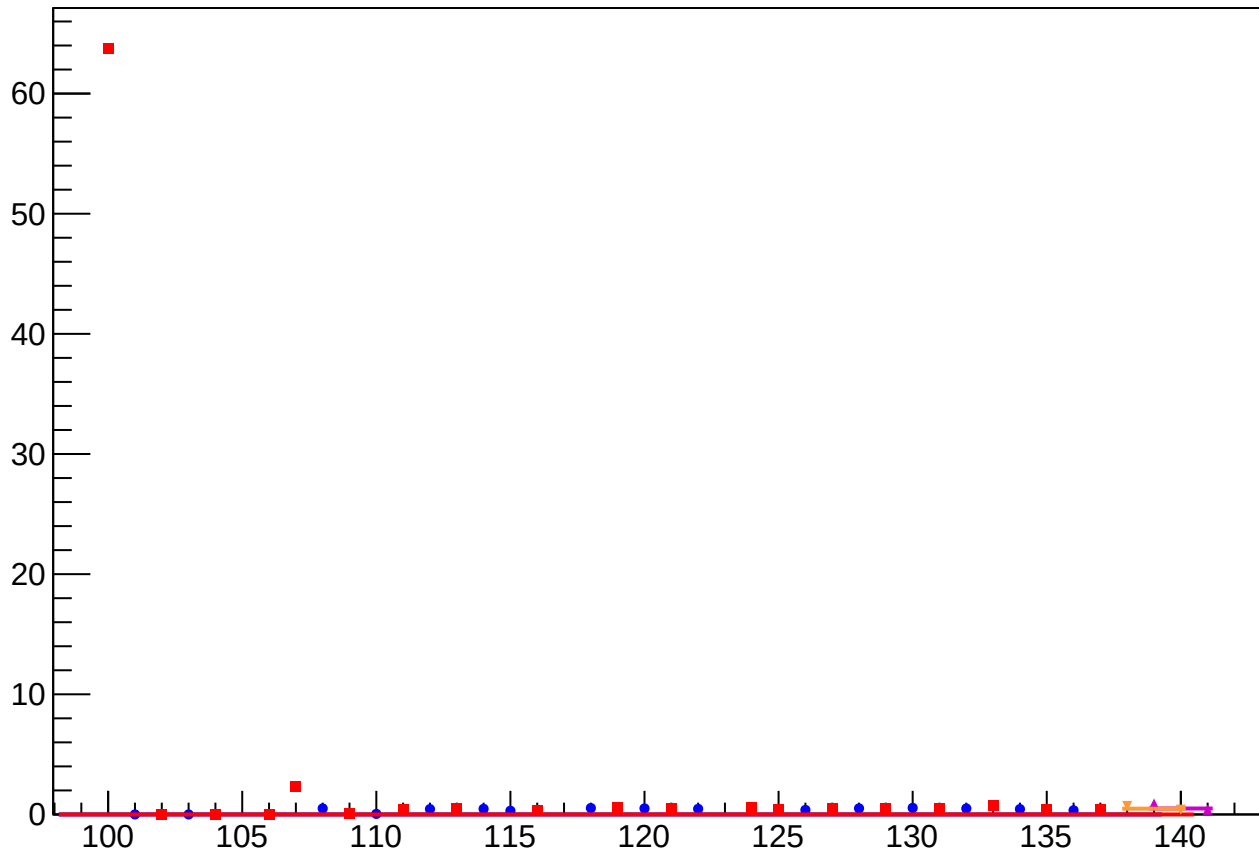
Left In: -1.502+/-0.000 χ^2/NDF : 2891561.6/1

+ sign -61.435+/-0.000 χ^2/NDF : 291616066986.6/1

All: -52.748+/-0.000 χ^2/NDF : 409148411252

- sign -45.245+/-0.000 χ^2/NDF : 357879962418144.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9156181.6/15

Left Out: 0.481+/-0.000 χ^2/NDF :189238.9/1

Right Out: 0.001+/-0.000 χ^2/NDF : 9345109.5/18

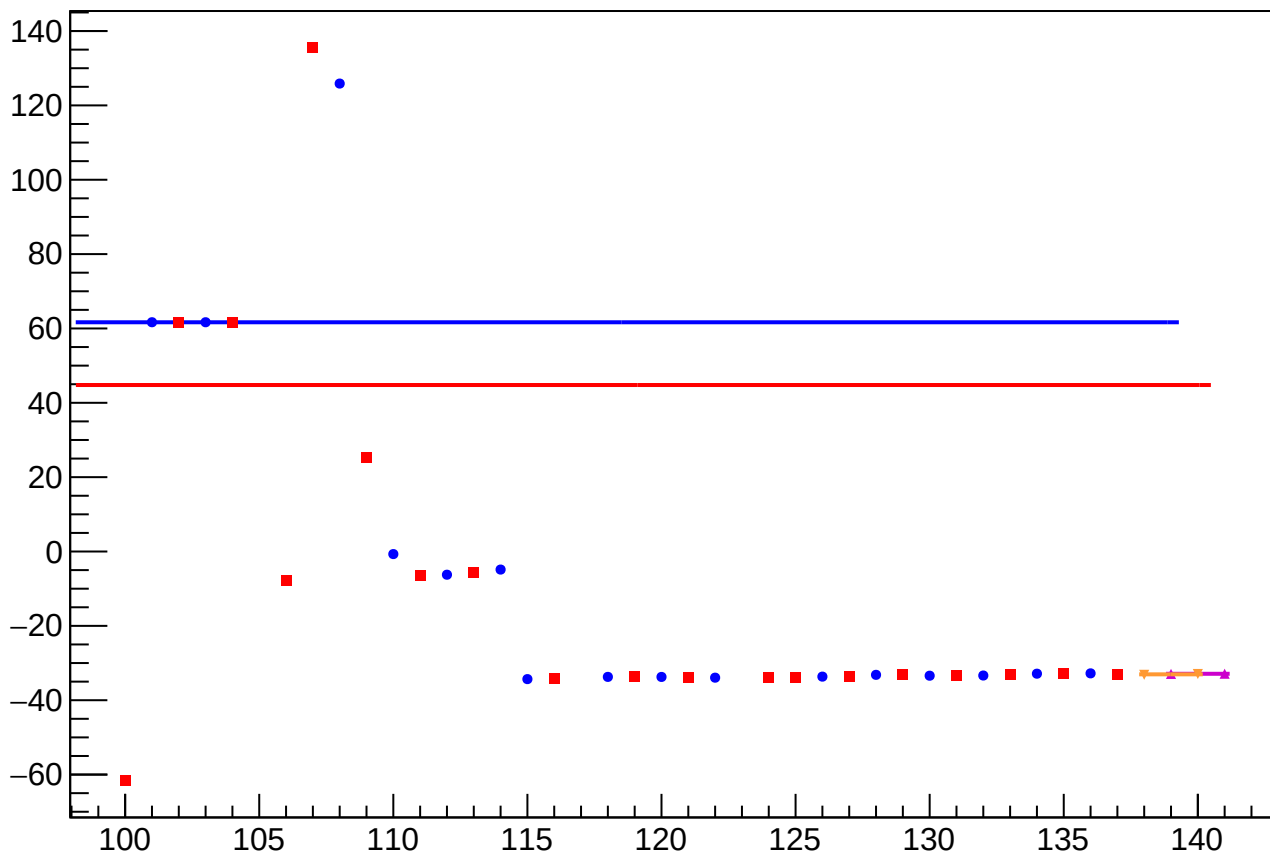
Left In: 0.495+/-0.000 χ^2/NDF :432233.1/1

+ sign 0.001+/-0.000 χ^2/NDF : 11640200.6/17

All: 0.001+/-0.000 χ^2/NDF : 23871948.8/38

- sign 0.001+/-0.000 χ^2/NDF : 12231744.5/20

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF : 369463062074.0/15

Left Out: -33.039+/-0.000 χ^2/NDF :179514.5/1

Right Out: 44.786+/-0.000 χ^2/NDF : 366094778229951.8/18

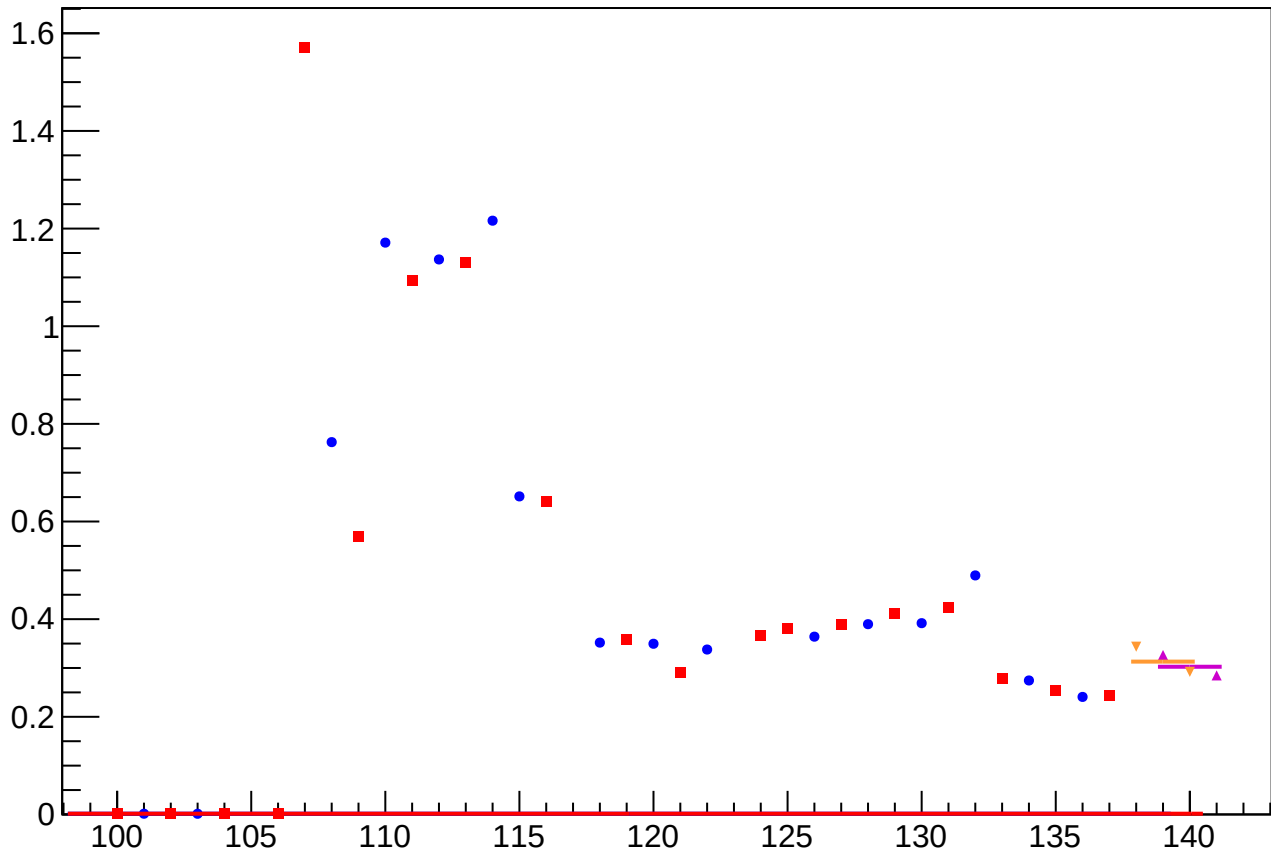
Left In: -32.891+/-0.000 χ^2/NDF :11084.3/1

+ sign 61.658+/-0.000 χ^2/NDF : 507817184842.9/17

All: 52.685+/-0.000 χ^2/NDF : 4178134902396

- sign 44.782+/-0.000 χ^2/NDF : 366203550630877.1

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

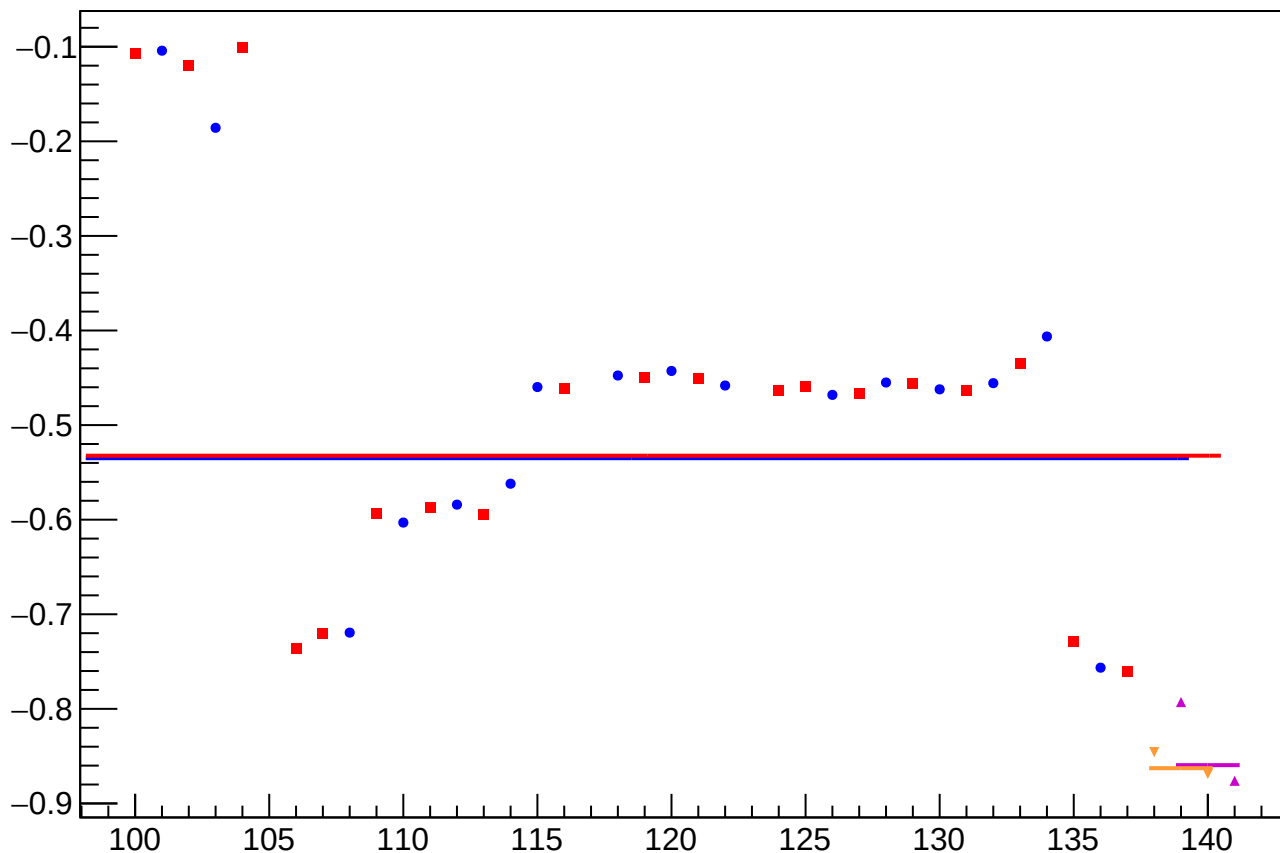
Left In: 0.303 $\pm$ 0.000 χ^2 /NDF:15401.5/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14038763.7/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 27880056.7/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13841166.0/20

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF : 300846309.5/15

Left Out: -0.863+/-0.000 χ^2/NDF : 292446.1/1

Right Out: -0.532+/-0.000 χ^2/NDF : 214124648.5/18

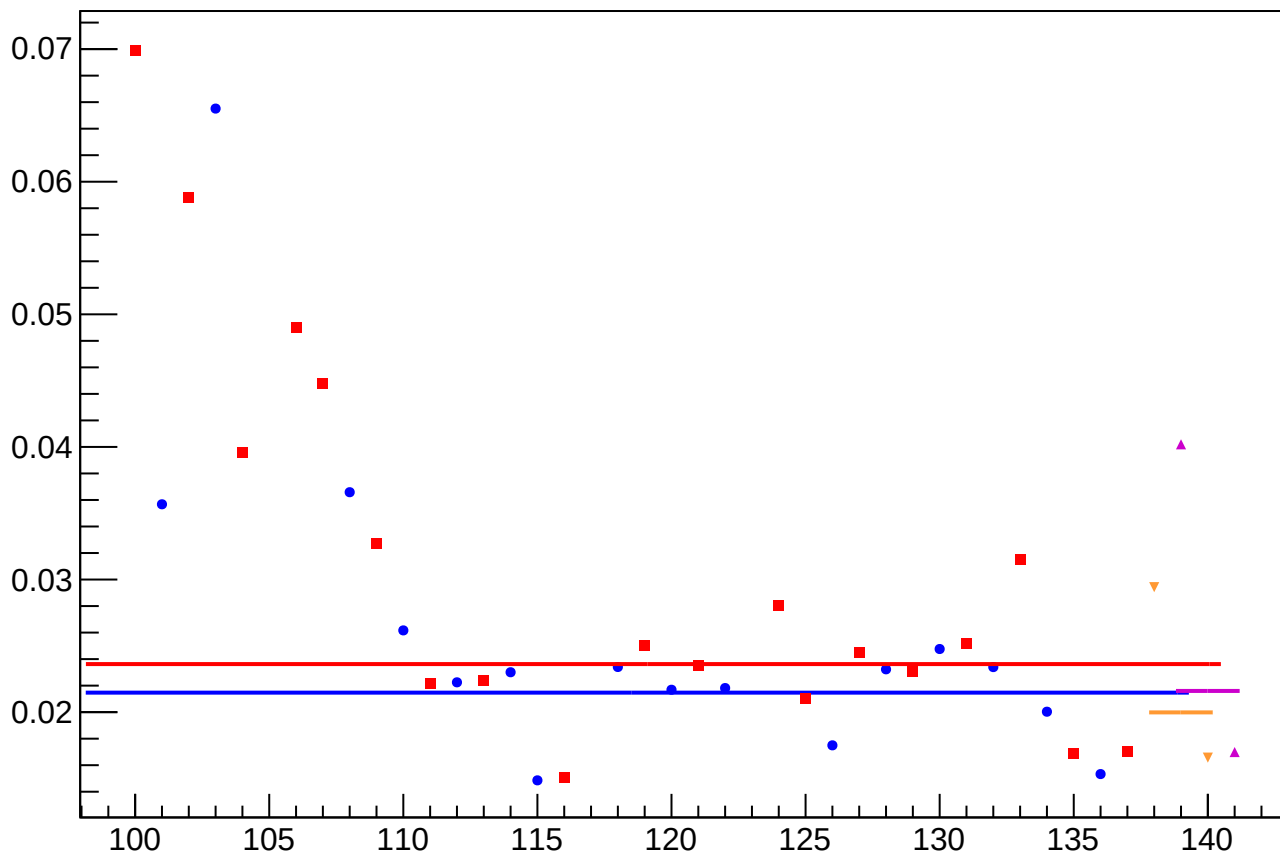
Left In: -0.860+/-0.000 χ^2/NDF : 2889585.6/1

+ sign -0.599+/-0.000 χ^2/NDF : 544570452.6/17

All: -0.600+/-0.000 χ^2/NDF : 983889189.2/38

- sign -0.600+/-0.000 χ^2/NDF : 439304659.5/20

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 1153987.6/15

Left Out: 0.020+/-0.000 χ^2/NDF :181373.2/1

Right Out: 0.024+/-0.000 χ^2/NDF : 1277268.6/18

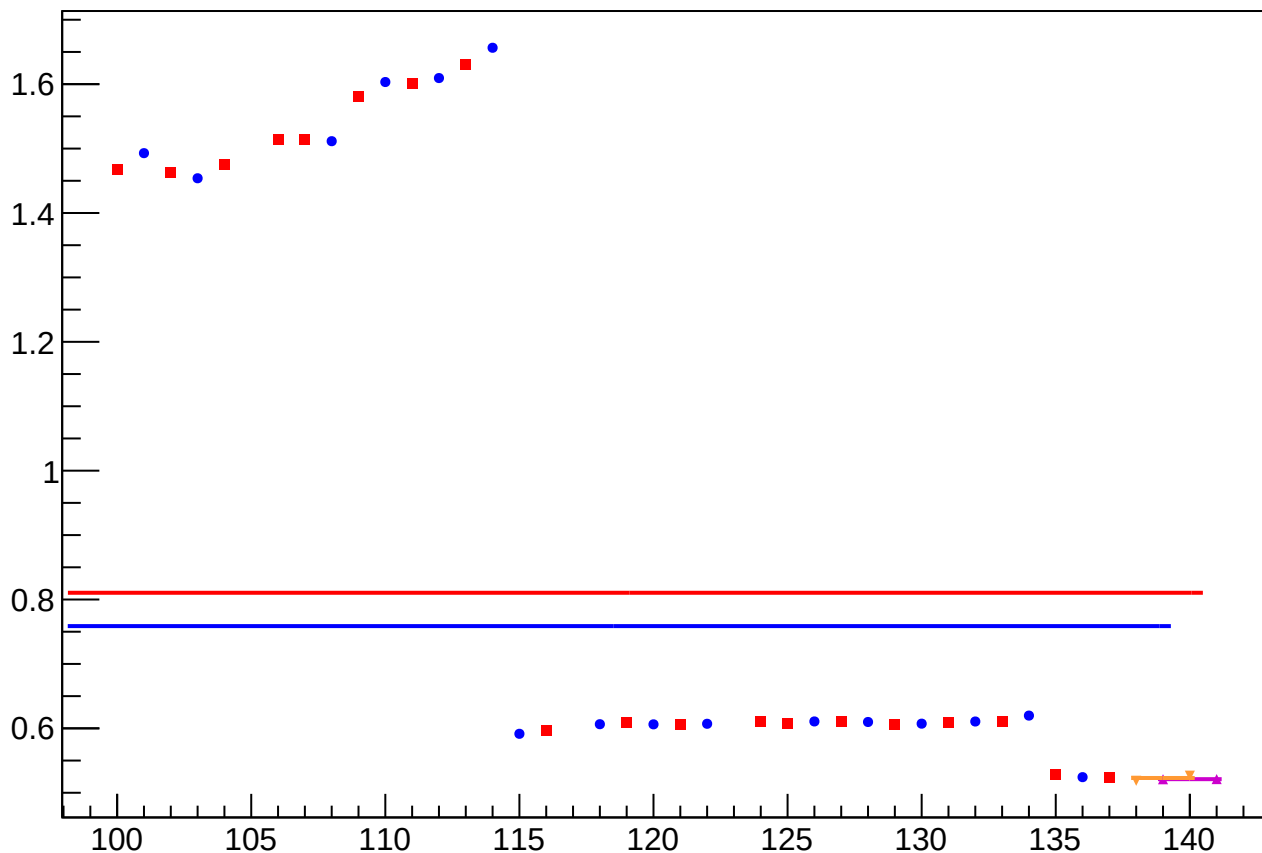
Left In: 0.022+/-0.000 χ^2/NDF :449402.2/1

+ sign 0.021+/-0.000 χ^2/NDF : 1345424.7/17

All: 0.022+/-0.000 χ^2/NDF : 3144261.9/38

- sign 0.023+/-0.000 χ^2/NDF : 1743710.3/20

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF : 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF :181057.7/1

Right Out: 0.810+/-0.000 χ^2/NDF : 4769381416.8/18

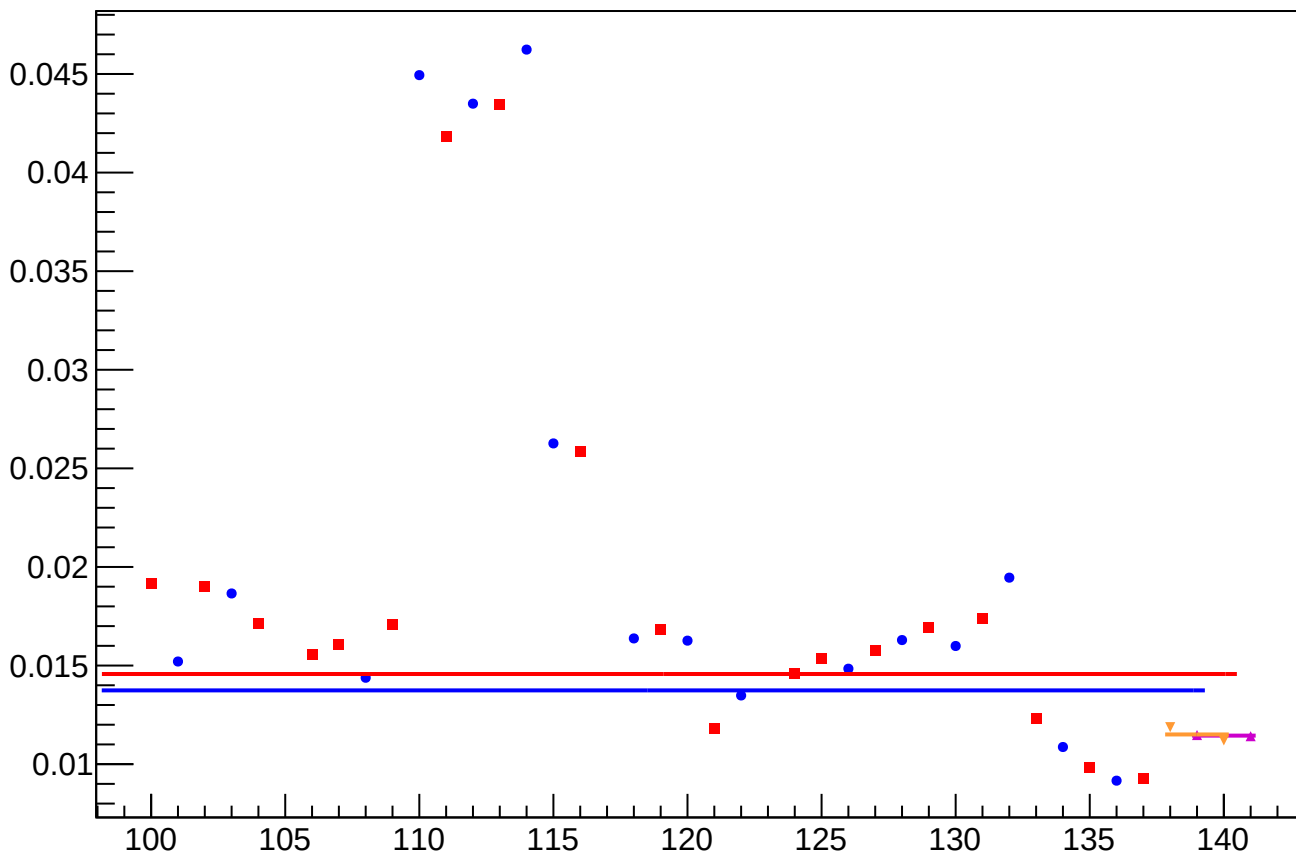
Left In: 0.521+/-0.000 χ^2/NDF :208.1/1

+ sign 0.695+/-0.000 χ^2/NDF : 4776140842.9/17

All: 0.709+/-0.000 χ^2/NDF : 10306402383.7/3

- sign 0.723+/-0.000 χ^2/NDF : 5514009990.3/20

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

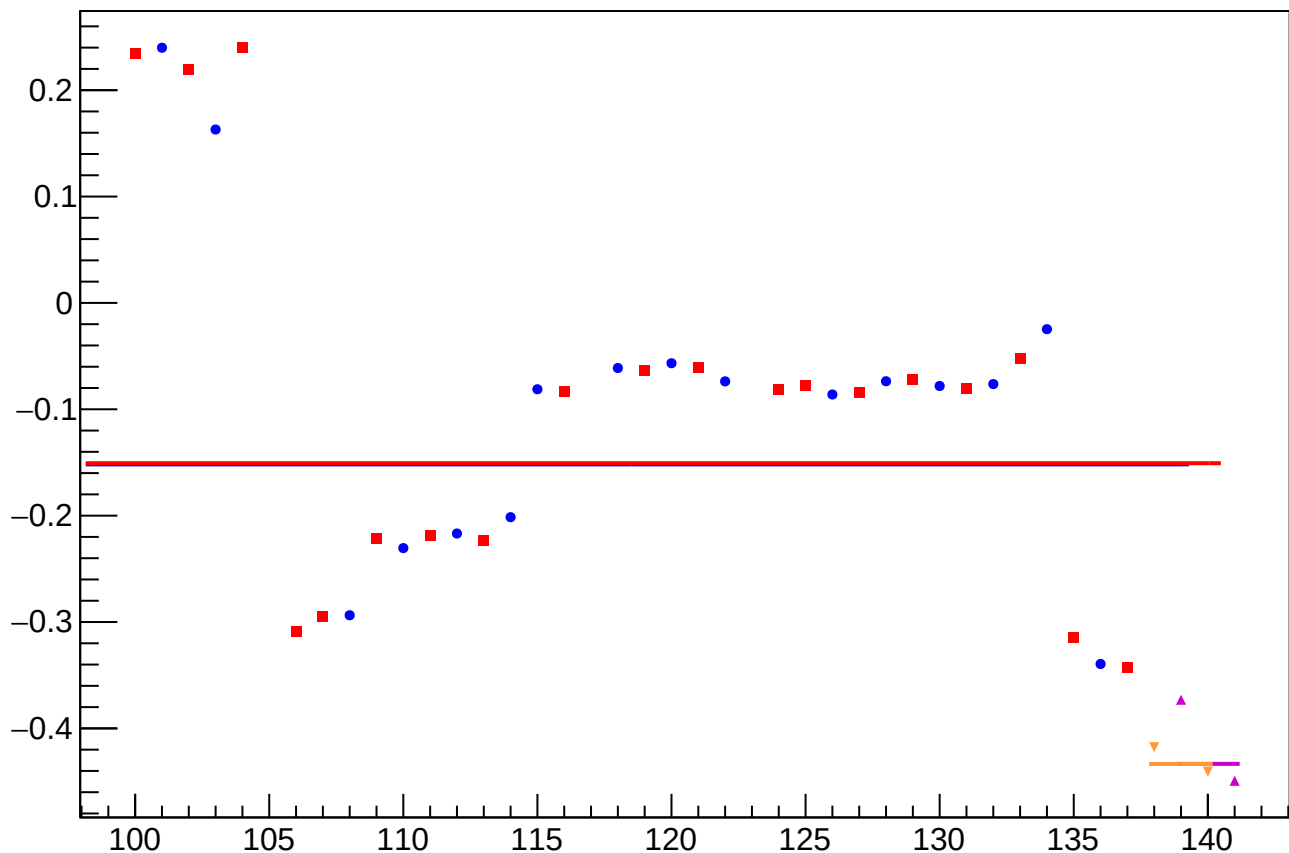
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22.0/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1737126.7/17

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3375964.2/38

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1628756.8/20

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF : 276791709.3/15

Left Out: -0.433+/-0.000 χ^2/NDF : 298684.4/1

Right Out: -0.151+/-0.000 χ^2/NDF : 199410234.4/18

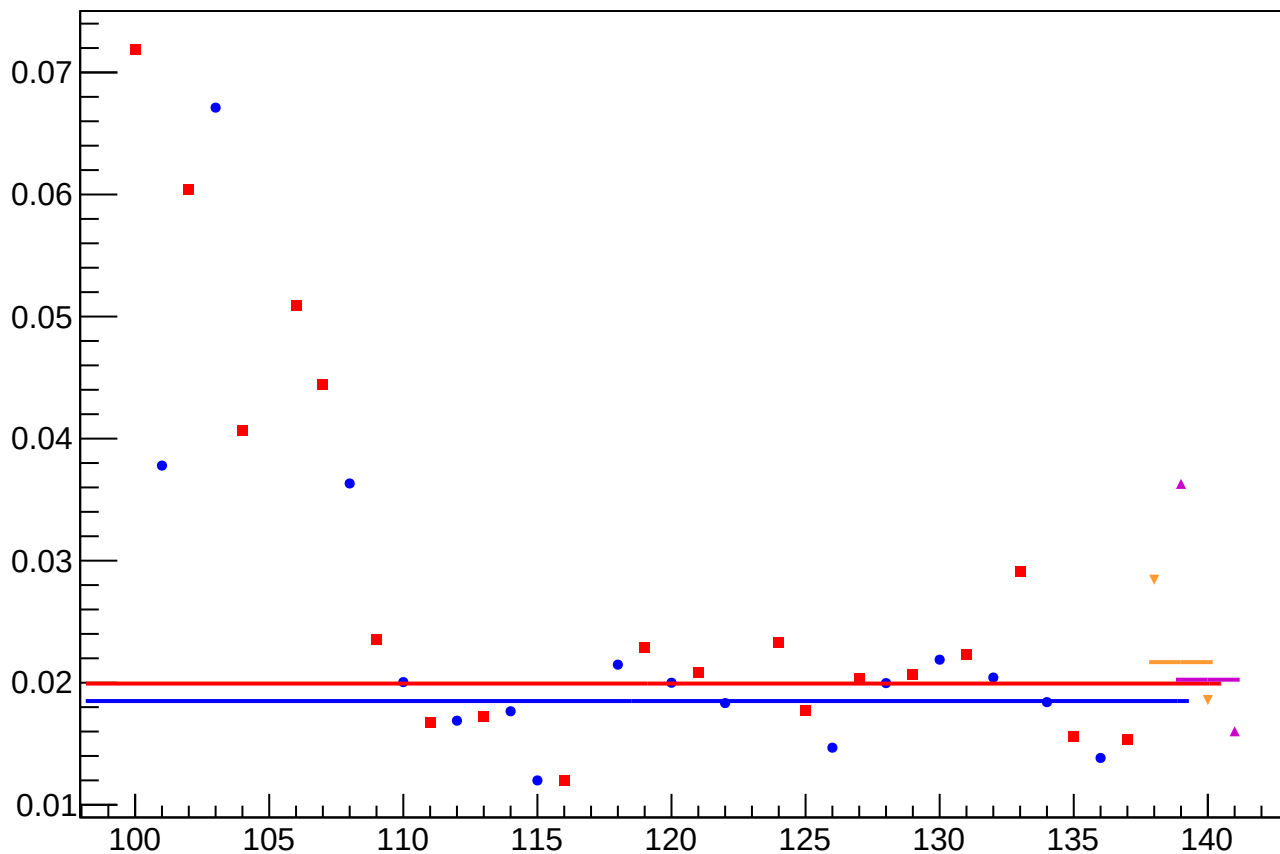
Left In: -0.433+/-0.000 χ^2/NDF : 2932556.9/1

+ sign -0.193+/-0.000 χ^2/NDF : 455167361.4/17

All: -0.197+/-0.000 χ^2/NDF : 858136248.6/38

- sign -0.202+/-0.000 χ^2/NDF : 402190369.3/20

yield_bpm4eX_rms vs Slug



Right In: 0.018 ± 0.000 χ^2/NDF : 1372359.1/15

Left Out: 0.022 ± 0.000 χ^2/NDF : 110258.8/1

Right Out: 0.020 ± 0.000 χ^2/NDF : 1547561.3/18

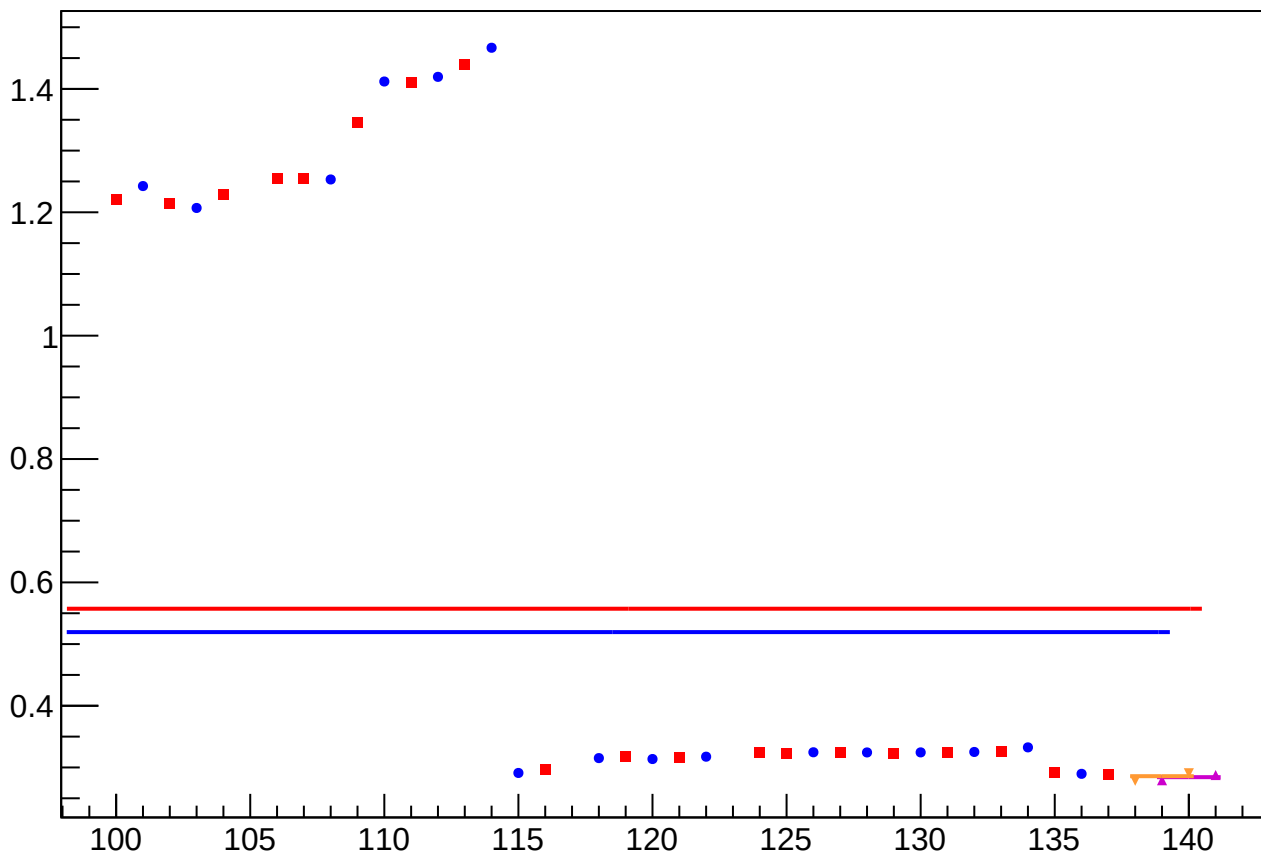
Left In: 0.020 ± 0.000 χ^2/NDF : 414967.5/1

+ sign 0.019 ± 0.000 χ^2/NDF : 1528261.9/17

All: 0.019 ± 0.000 χ^2/NDF : 3509606.5/38

- sign 0.020 ± 0.000 χ^2/NDF : 1963035.0/20

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

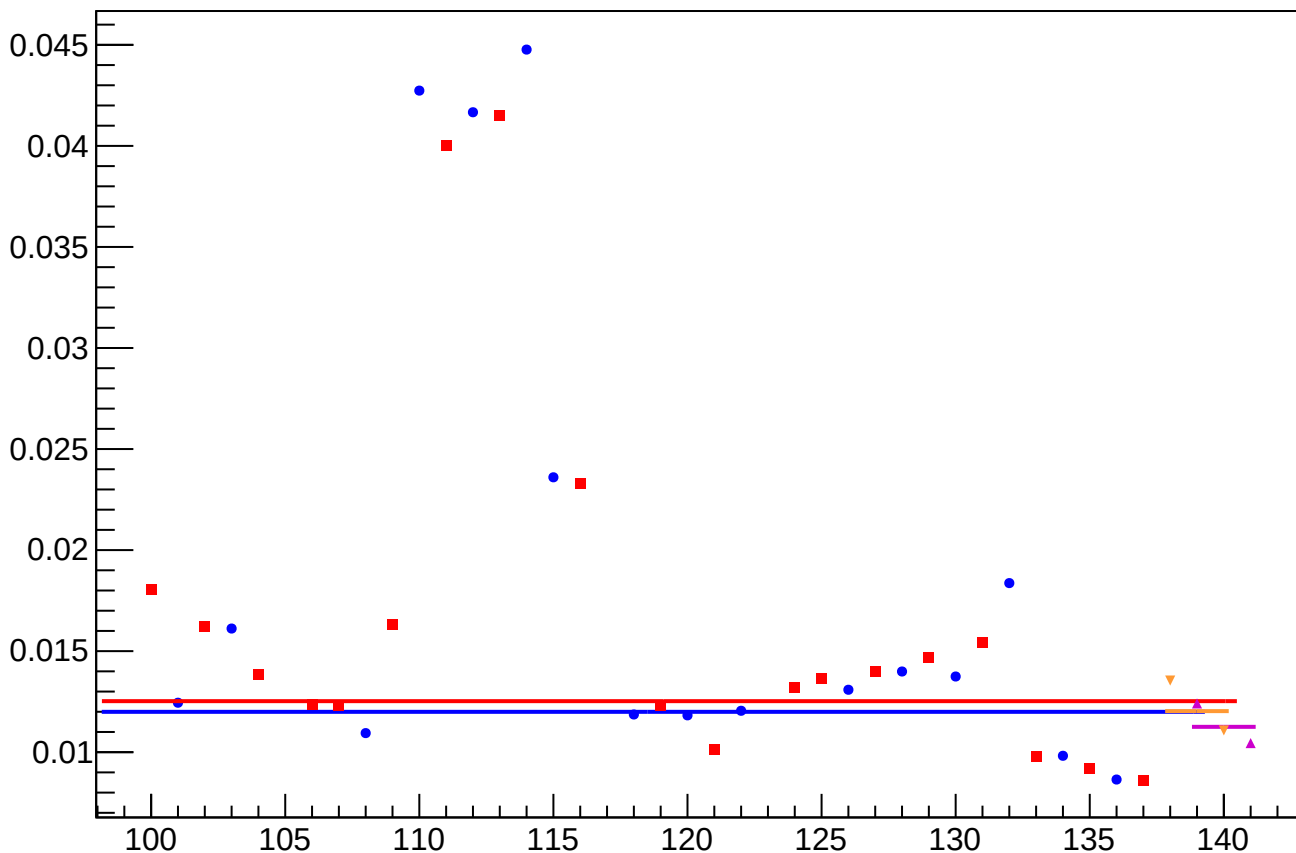
Left In: 0.284+/-0.000 χ^2/NDF :223511.2/1

+ sign 0.472+/-0.000 χ^2/NDF : 6776915120.5/17

All: 0.481+/-0.000 χ^2/NDF : 14256465037.7/3

- sign 0.489+/-0.000 χ^2/NDF : 7471945123.1/20

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

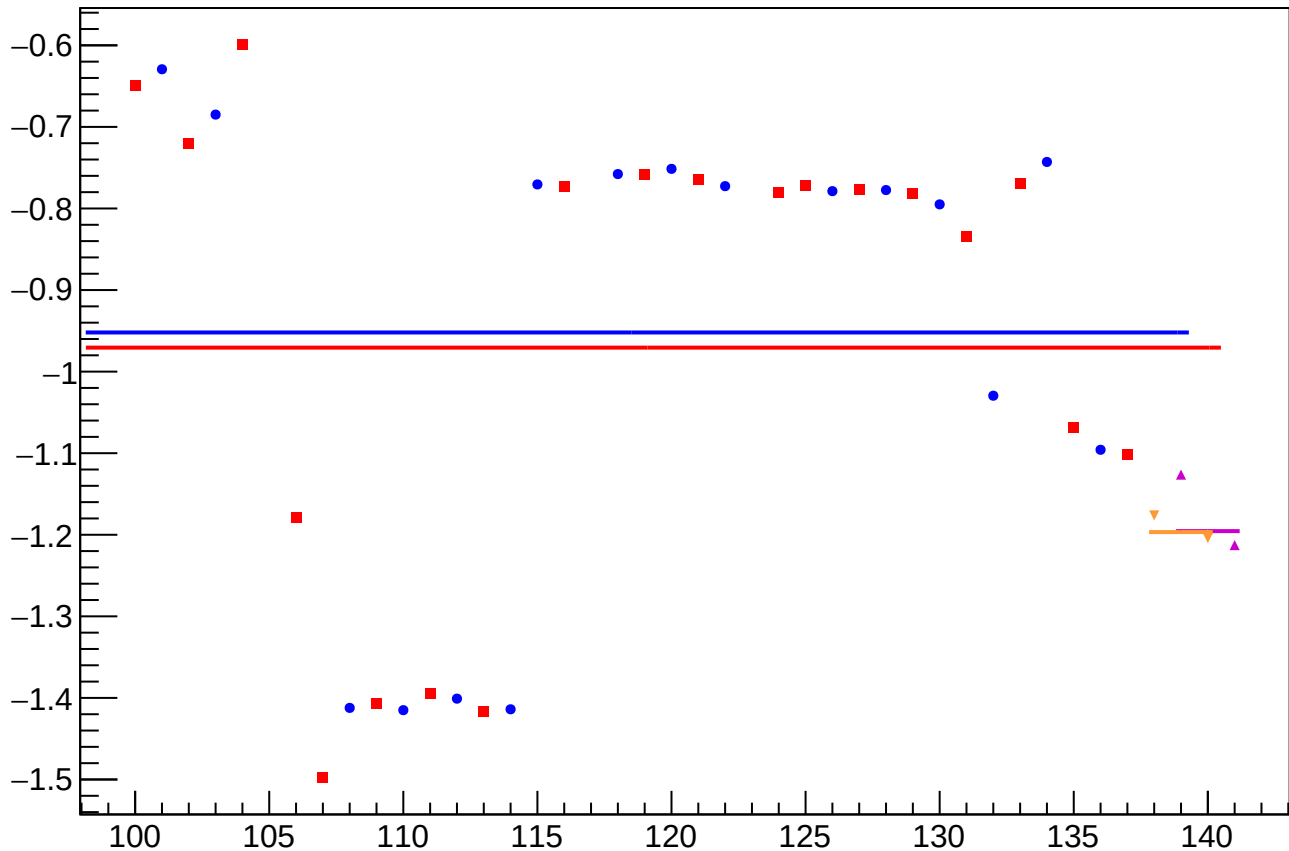
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:24134.1/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1521967.6/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3013907.7/38

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1489772.9/20

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

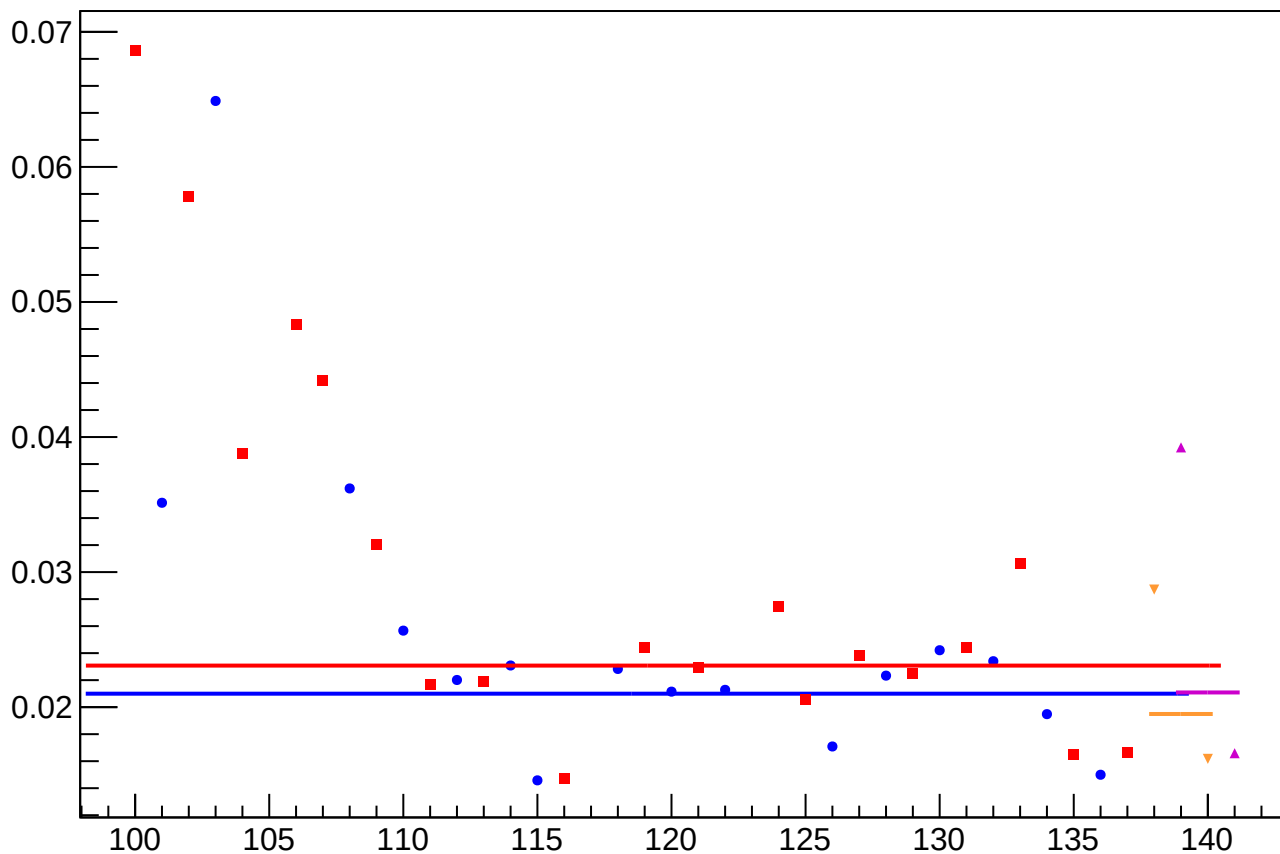
Left In: -1.196+/-0.000 χ^2/NDF : 3269432.6/1

+ sign -1.000+/-0.000 χ^2/NDF : 842467289.6/17

All: -1.008+/-0.000 χ^2/NDF : 1672541043.0/3

- sign -1.017+/-0.000 χ^2/NDF : 827917260.3/20

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

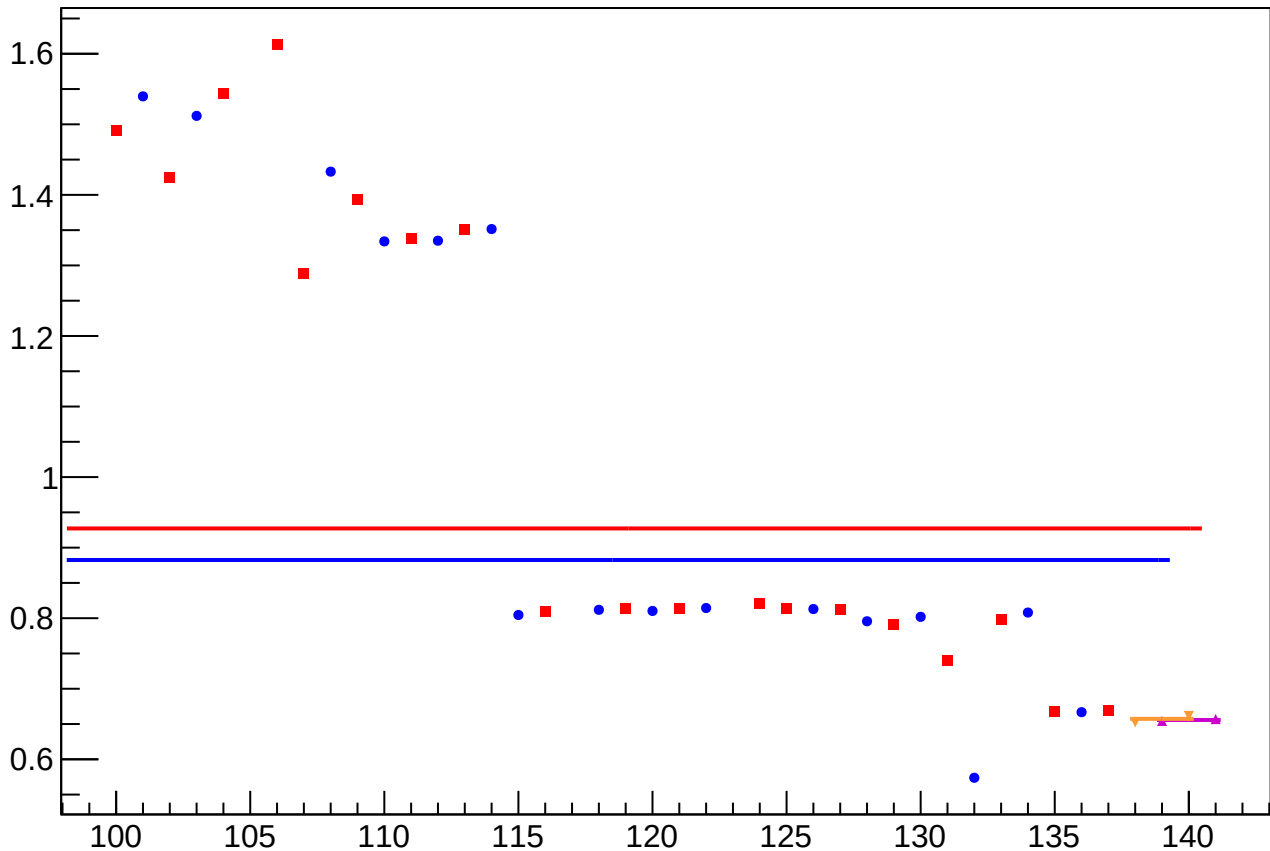
Left In: 0.021+/-0.000 χ^2/NDF : 449084.1/1

+ sign 0.021+/-0.000 χ^2/NDF : 1359057.0/17

All: 0.022+/-0.000 χ^2/NDF : 3160762.9/38

- sign 0.023+/-0.000 χ^2/NDF : 1747623.8/20

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

Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 2762998321.3/18

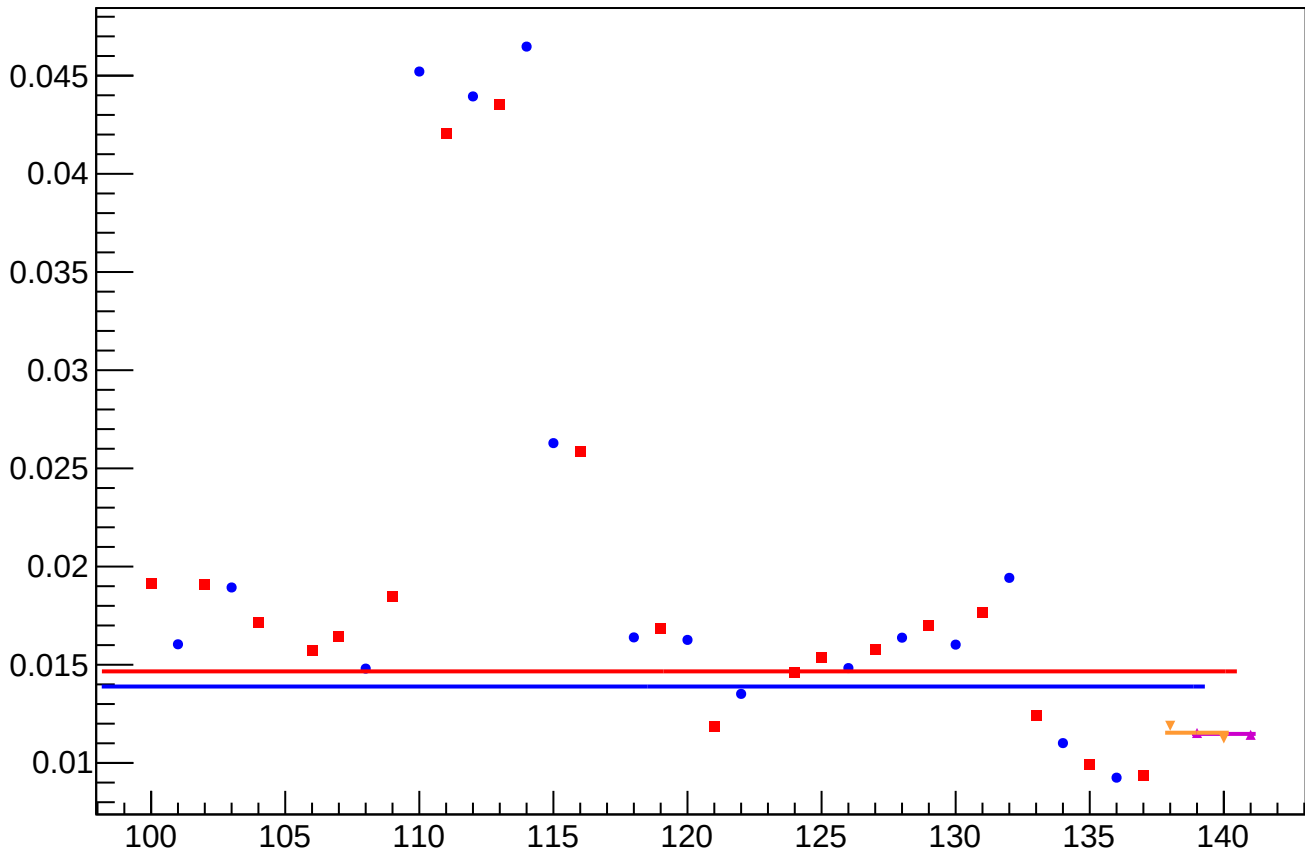
Left In: 0.656 $\pm$ 0.000 χ^2 /NDF:22461.5/1

+ sign 0.821 $\pm$ 0.000 χ^2 /NDF: 3210004805.5/17

All: 0.833 $\pm$ 0.000 χ^2 /NDF: 6633806323.6/38

- sign 0.844 $\pm$ 0.000 χ^2 /NDF: 3412339470.5/20

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1646691.8/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:2387.2/1

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1467025.6/18

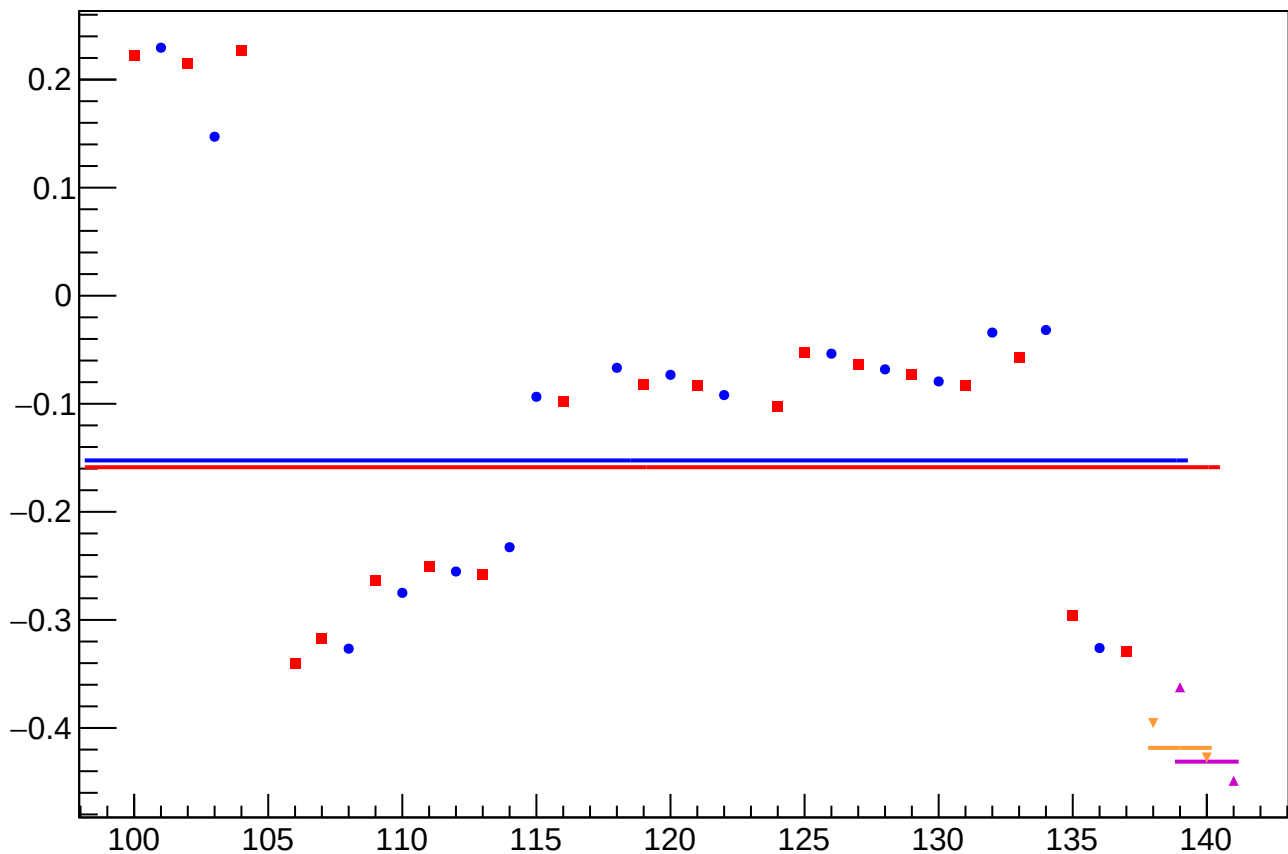
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:56.5/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1741990.1/17

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3395964.0/38

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1645795.0/20

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

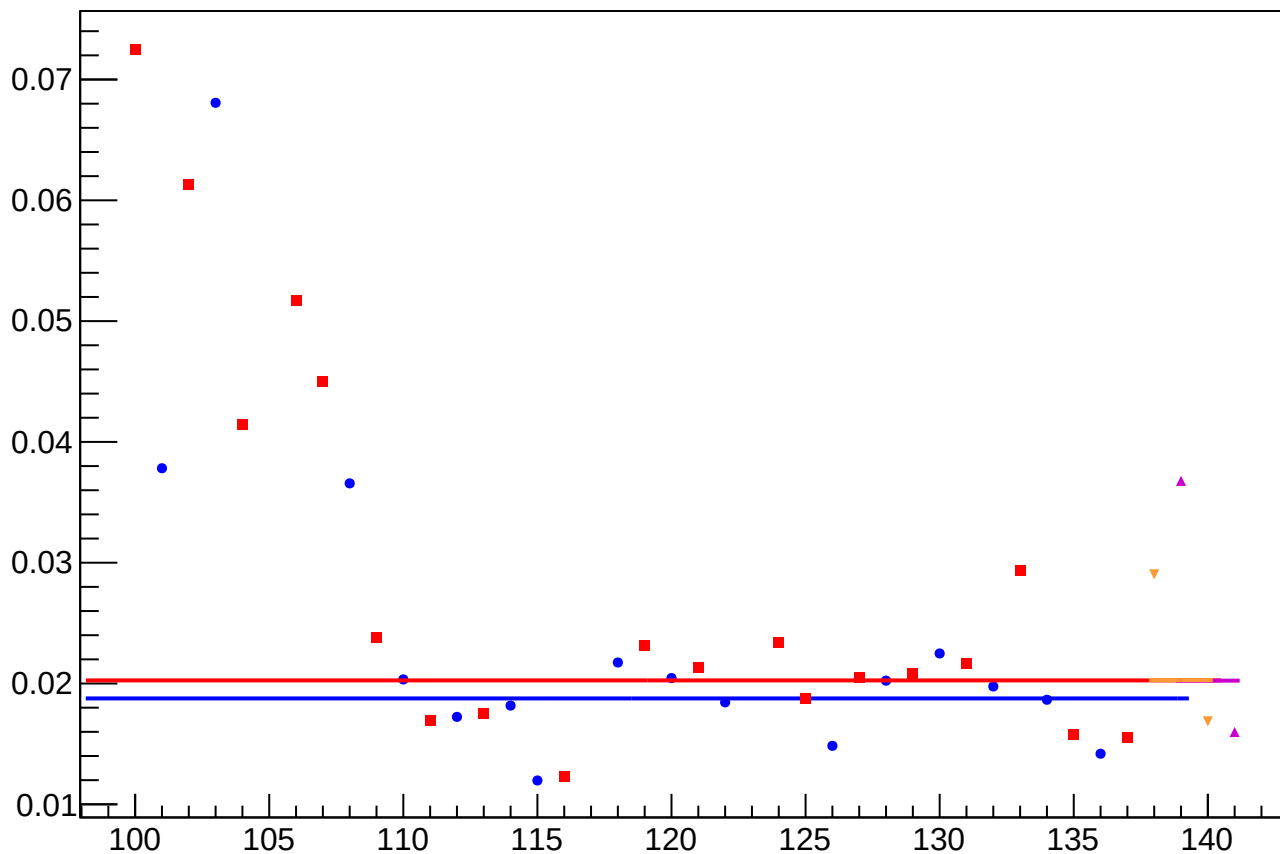
Left In: -0.431+/-0.000 χ^2/NDF : 3698326.0/1

+ sign -0.195+/-0.000 χ^2/NDF : 444775662.6/17

All: -0.202+/-0.000 χ^2/NDF : 829132031.1/38

- sign -0.209+/-0.000 χ^2/NDF : 382592877.5/20

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

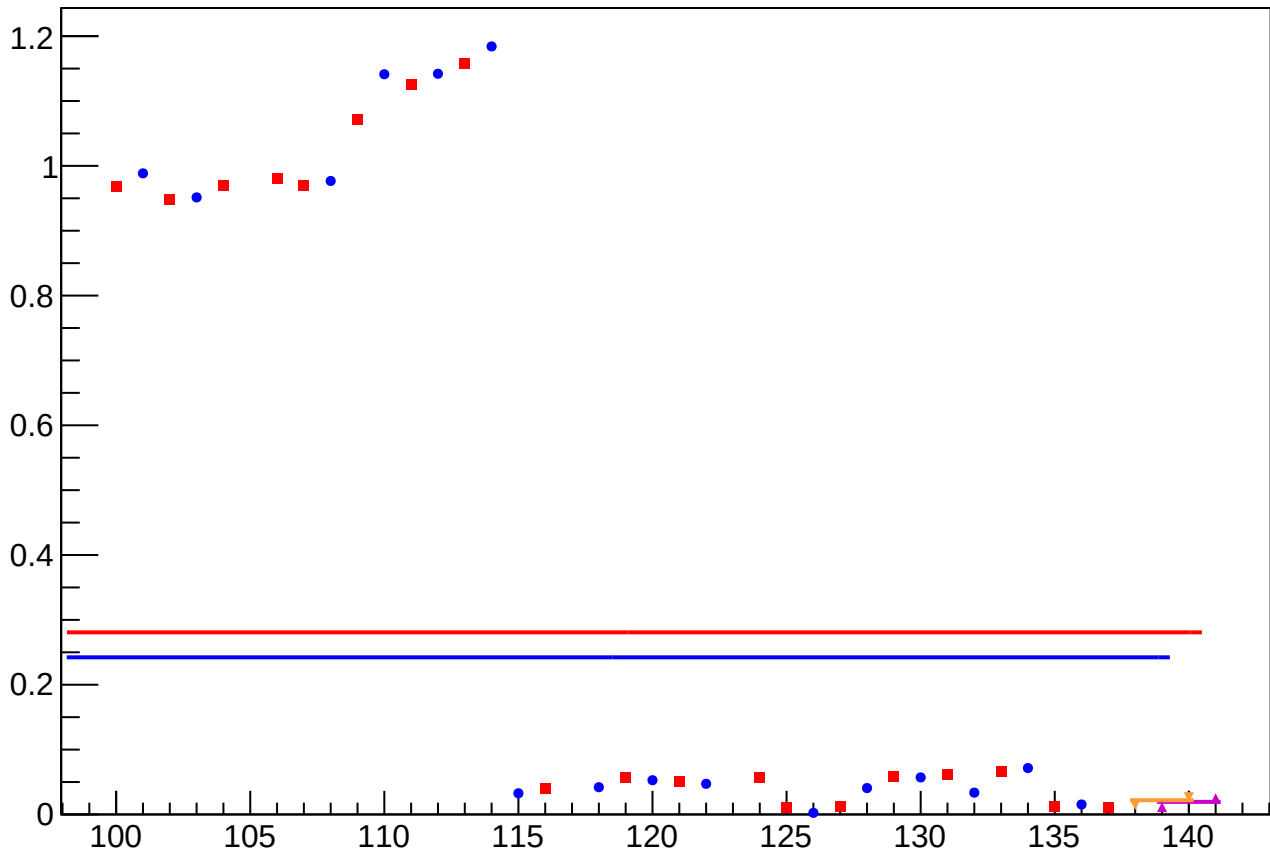
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:426546.7/1

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1531638.2/17

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3514235.3/38

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1956173.5/20

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

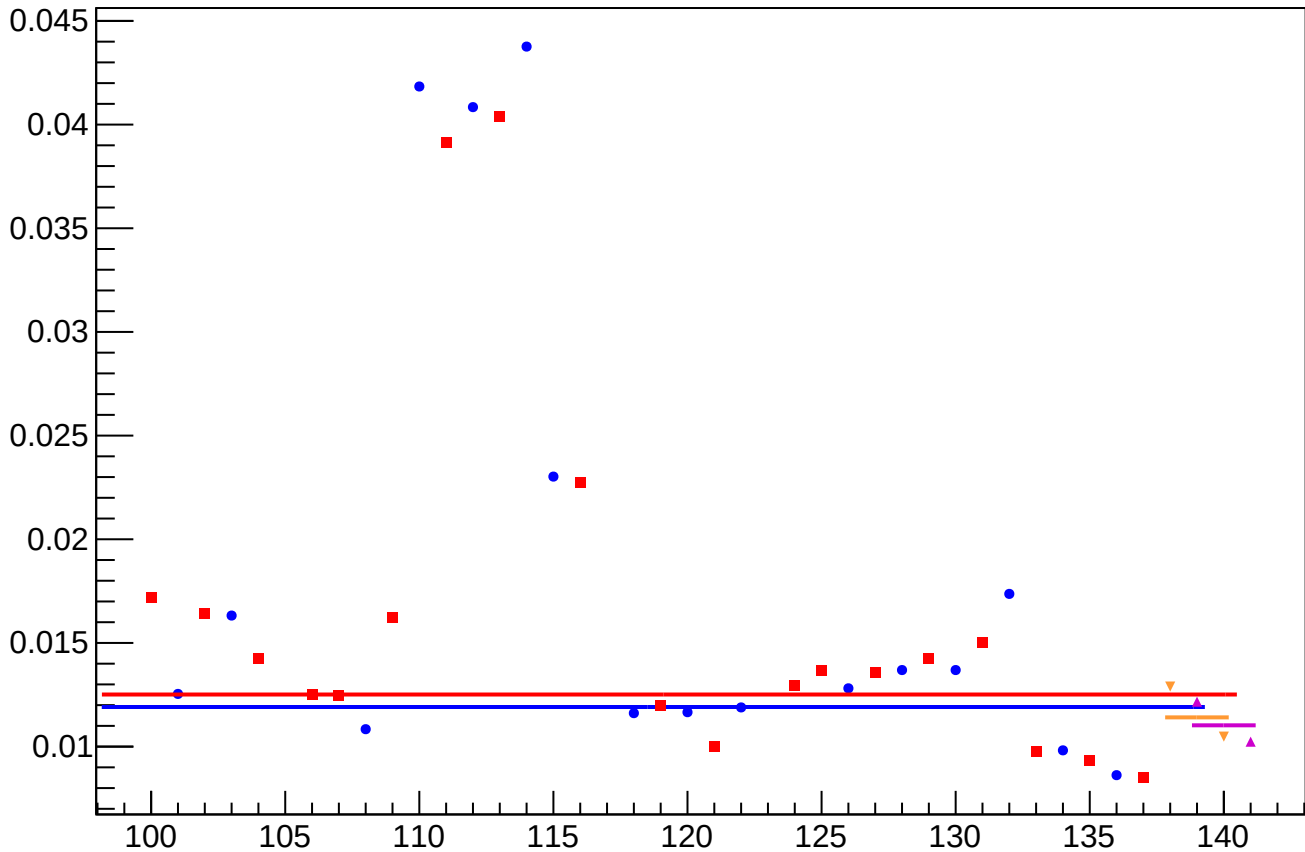
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:594560.1/1

+ sign 0.195 $\pm$ 0.000 χ^2 /NDF: 6950290805.6/17

All: 0.204 $\pm$ 0.000 χ^2 /NDF: 14404226359.6/3

- sign 0.214 $\pm$ 0.000 χ^2 /NDF: 7444094950.5/20

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

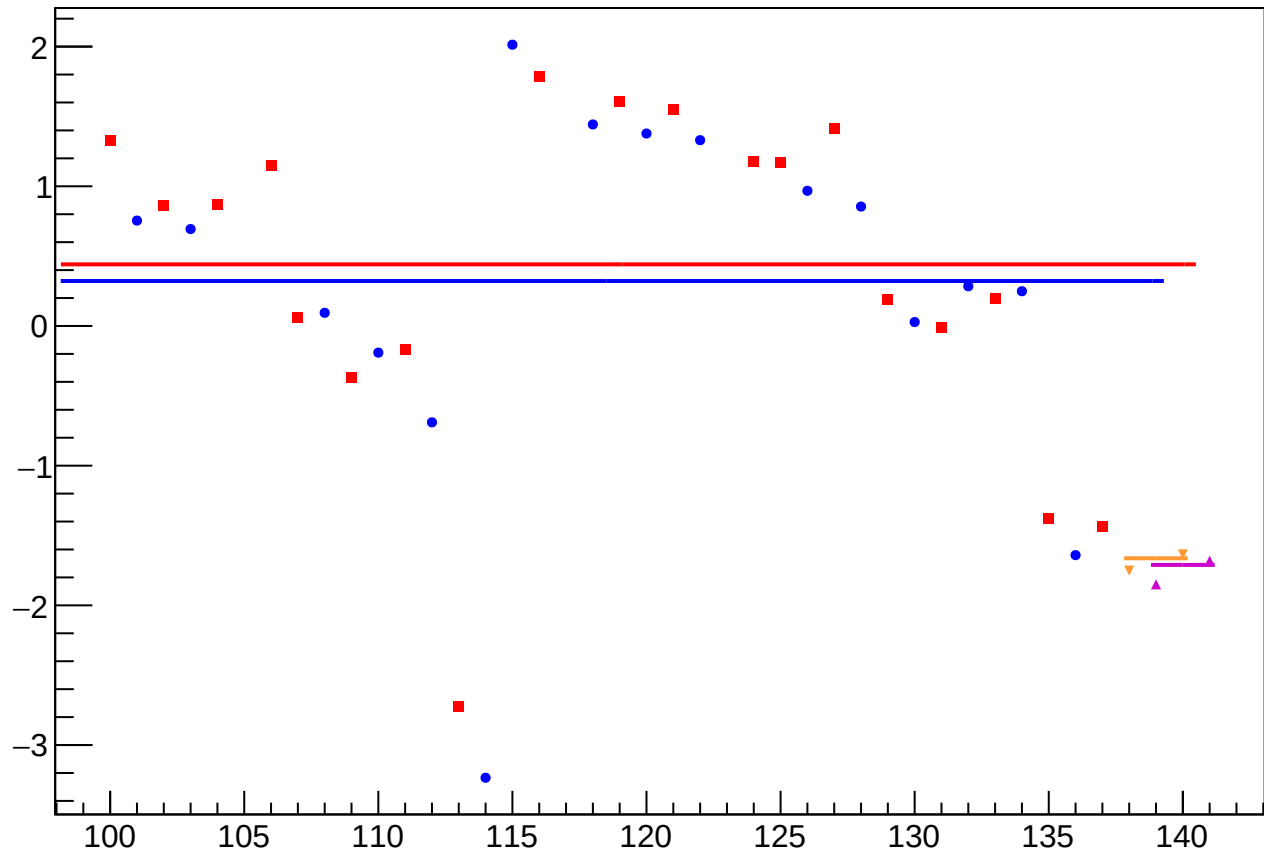
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:24269.5/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1496113.0/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2962944.8/38

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1461040.4/20

yield_bpm1X_mean vs Slug



Right In: 0.322 ± 0.000 $\chi^2/\text{NDF}: 1664983742.5/15$

Left Out: -1.663 ± 0.000 $\chi^2/\text{NDF}: 420930.4/1$

Right Out: 0.441 ± 0.000 $\chi^2/\text{NDF}: 1796703168.4/18$

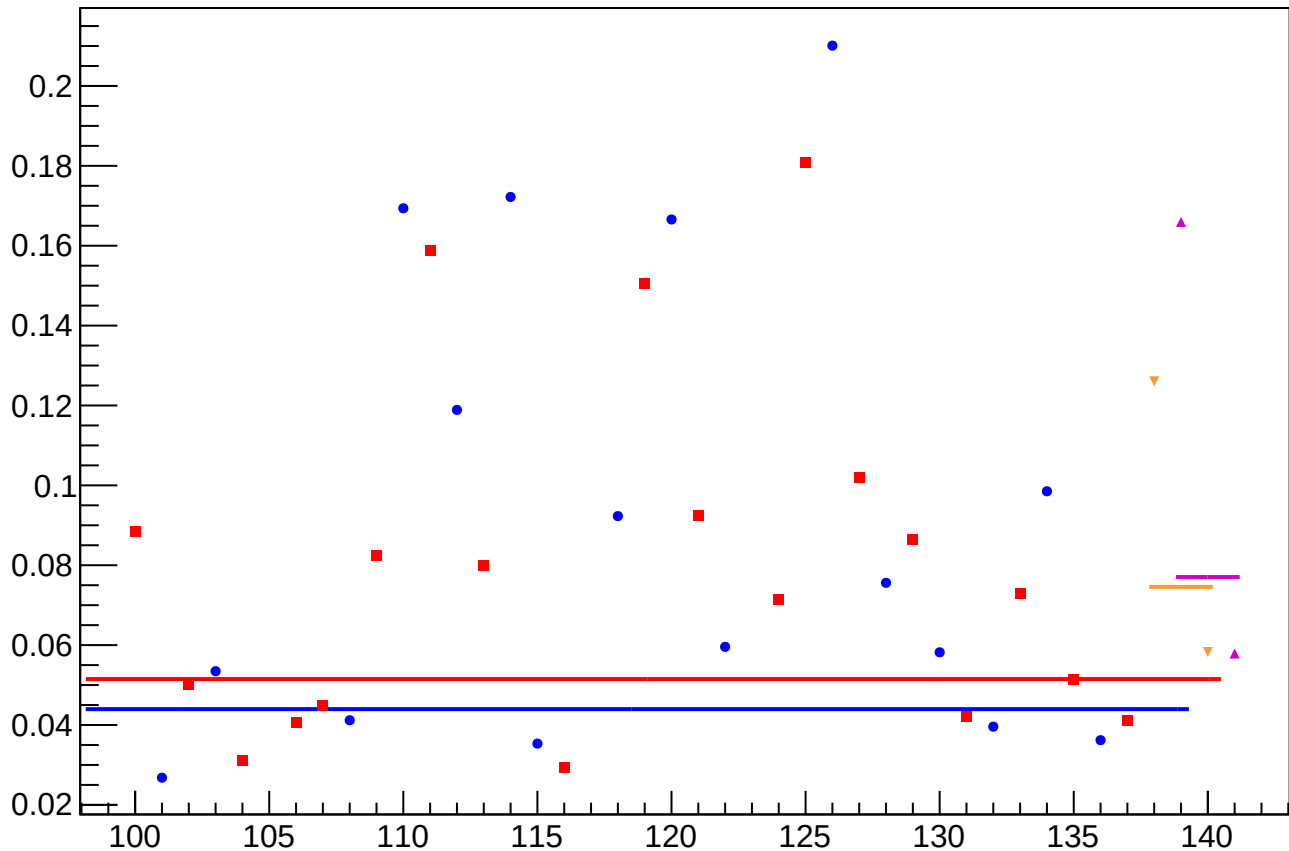
Left In: -1.711 ± 0.000 $\chi^2/\text{NDF}: 677810.0/1$

+ sign 0.164 ± 0.000 $\chi^2/\text{NDF}: 2285826900.3/17$

All: 0.202 ± 0.000 $\chi^2/\text{NDF}: 4774473861.8/38$

- sign 0.248 ± 0.000 $\chi^2/\text{NDF}: 2481797062.6/20$

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 2787474.8/15

Left Out: 0.075+/-0.000 χ^2/NDF : 287072.9/1

Right Out: 0.052+/-0.000 χ^2/NDF : 2367478.8/18

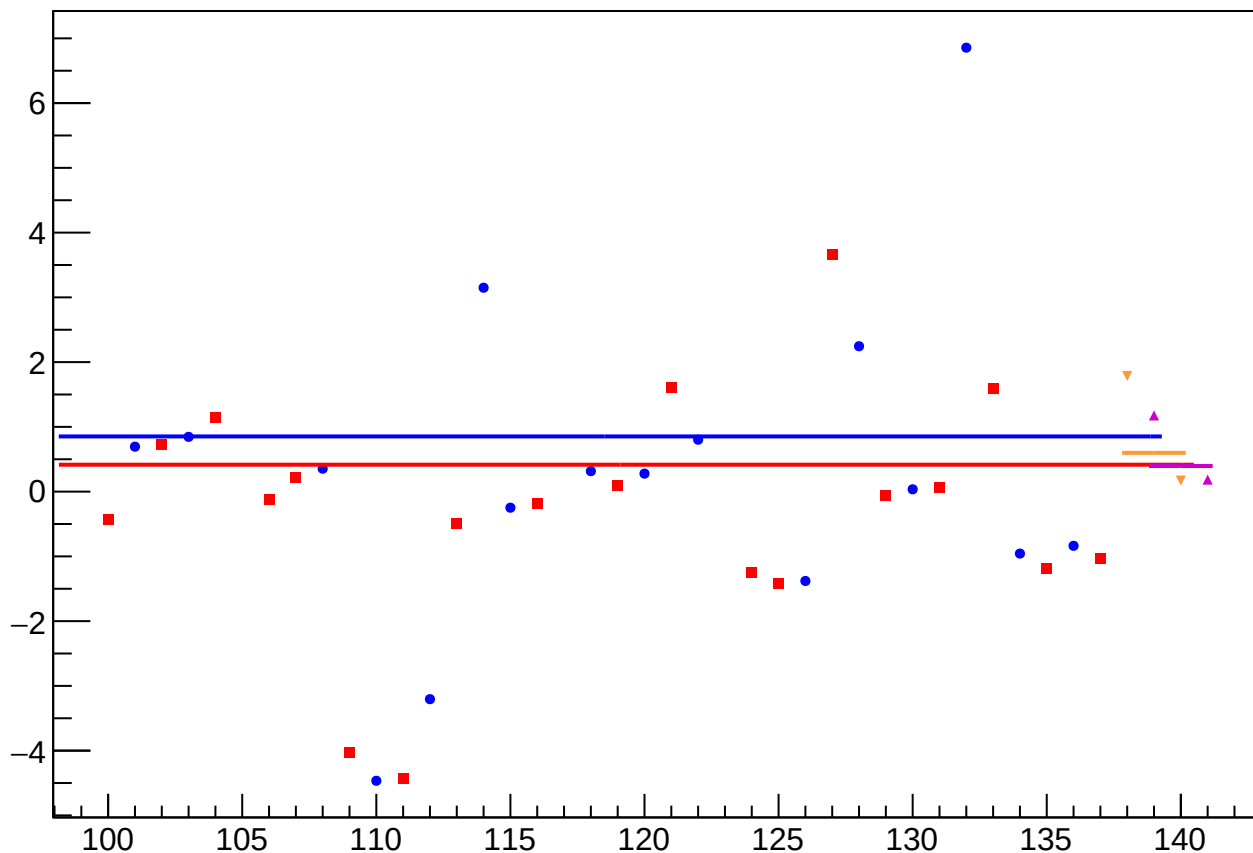
Left In: 0.077+/-0.000 χ^2/NDF : 552999.3/1

+ sign 0.046+/-0.000 χ^2/NDF : 3369571.1/17

All: 0.050+/-0.000 χ^2/NDF : 6590547.1/38

- sign 0.054+/-0.000 χ^2/NDF : 3113360.7/20

yield_bpm1Y_mean vs Slug



Right In: 0.852 ± 0.000 $\chi^2/\text{NDF}: 11576037687.7/15$

Left Out: 0.599 ± 0.000 $\chi^2/\text{NDF}: 137108523.6/1$

Right Out: 0.416 ± 0.000 $\chi^2/\text{NDF}: 5121892038.7/18$

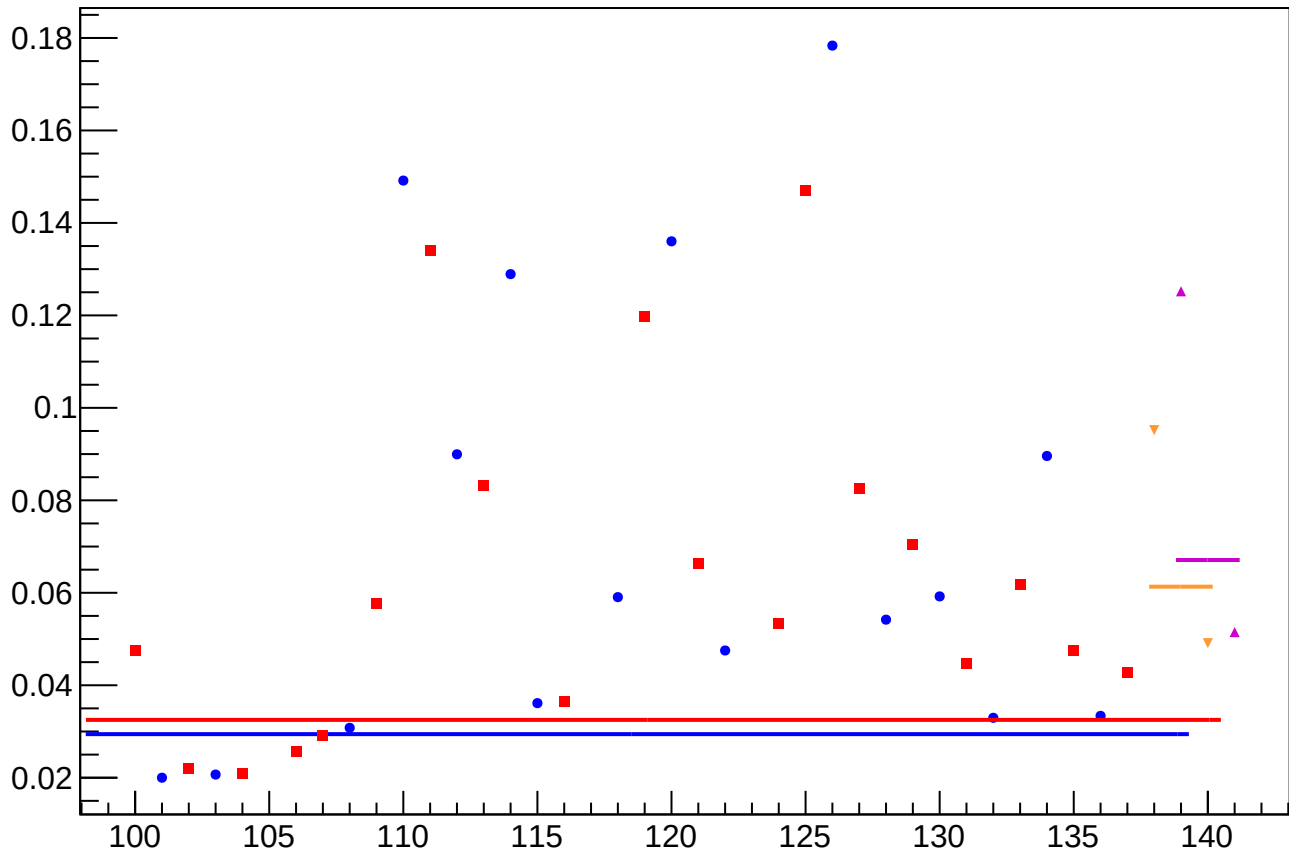
Left In: 0.395 ± 0.000 $\chi^2/\text{NDF}: 38382253.7/1$

+ sign 0.837 ± 0.000 $\chi^2/\text{NDF}: 11729410729.0/17$

All: 0.636 ± 0.000 $\chi^2/\text{NDF}: 17275975249.4/3$

- sign 0.415 ± 0.000 $\chi^2/\text{NDF}: 5160366261.1/20$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3192424.8/15

Left Out: 0.061+/-0.000 χ^2/NDF :223447.4/1

Right Out: 0.033+/-0.000 χ^2/NDF : 3315430.7/18

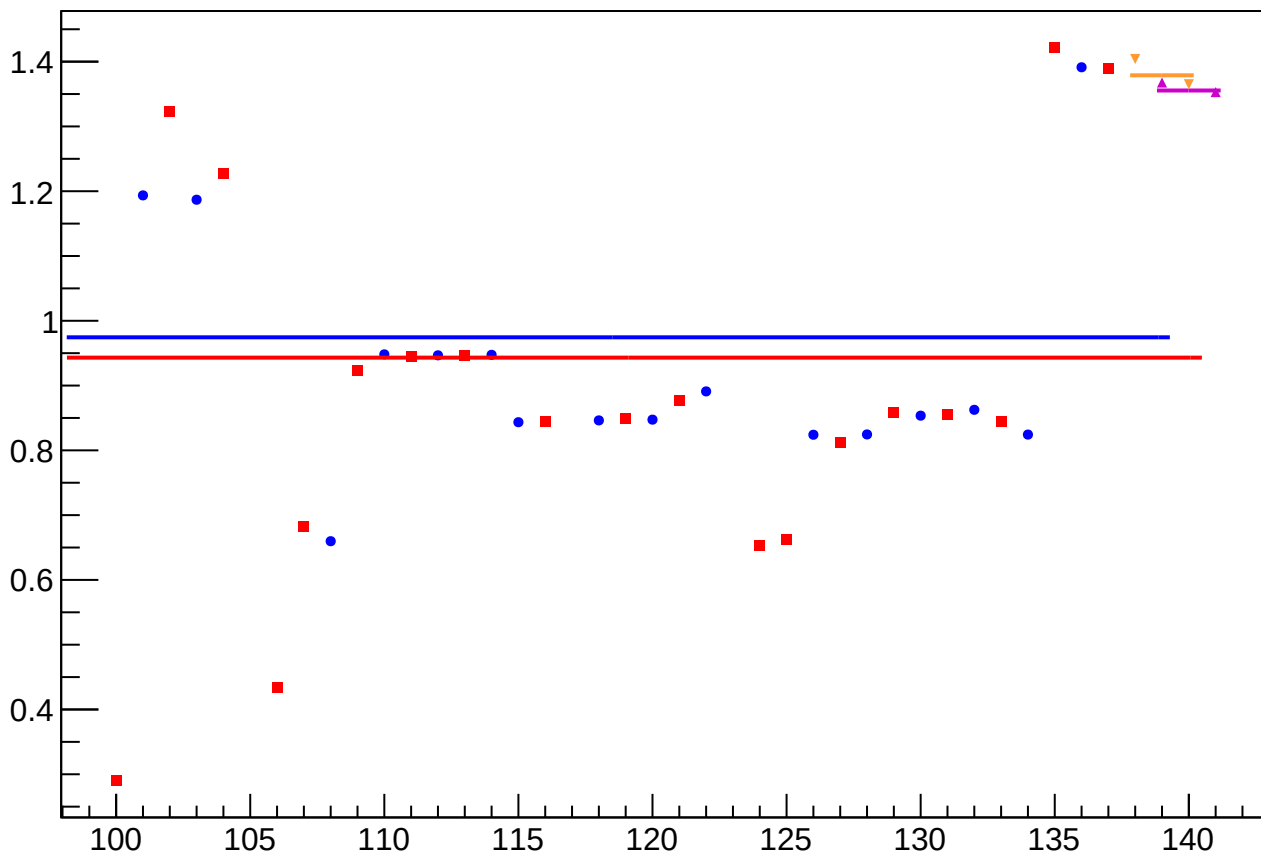
Left In: 0.067+/-0.000 χ^2/NDF :424755.3/1

+ sign 0.031+/-0.000 χ^2/NDF : 3932156.7/17

All: 0.033+/-0.000 χ^2/NDF : 8243657.0/38

- sign 0.034+/-0.000 χ^2/NDF : 4268716.6/20

yield_bpm11X_mean vs Slug



Right In: 0.974 ± 0.000 χ^2/NDF : 1458735246.5/15

Left Out: 1.379 ± 0.000 χ^2/NDF : 2572705.3/1

Right Out: 0.943 ± 0.000 χ^2/NDF : 1670579900.3/18

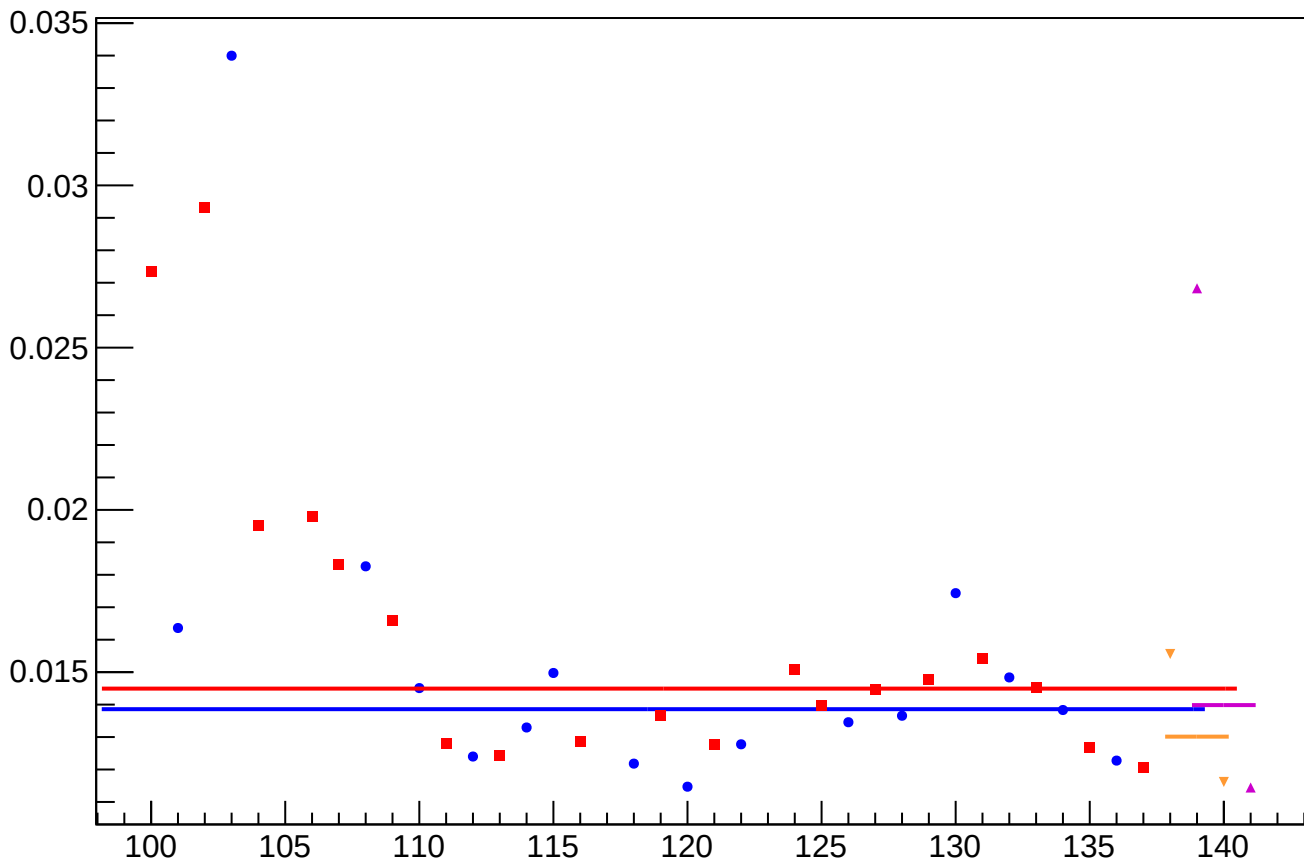
Left In: 1.355 ± 0.000 χ^2/NDF : 204674.7/1

+ sign 1.050 ± 0.000 χ^2/NDF : 2443921173.1/17

All: 1.034 ± 0.000 χ^2/NDF : 5080092157.3/38

- sign 1.018 ± 0.000 χ^2/NDF : 2617405325.6/20

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 599979.5/15

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:52462.2/1

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 544337.7/18

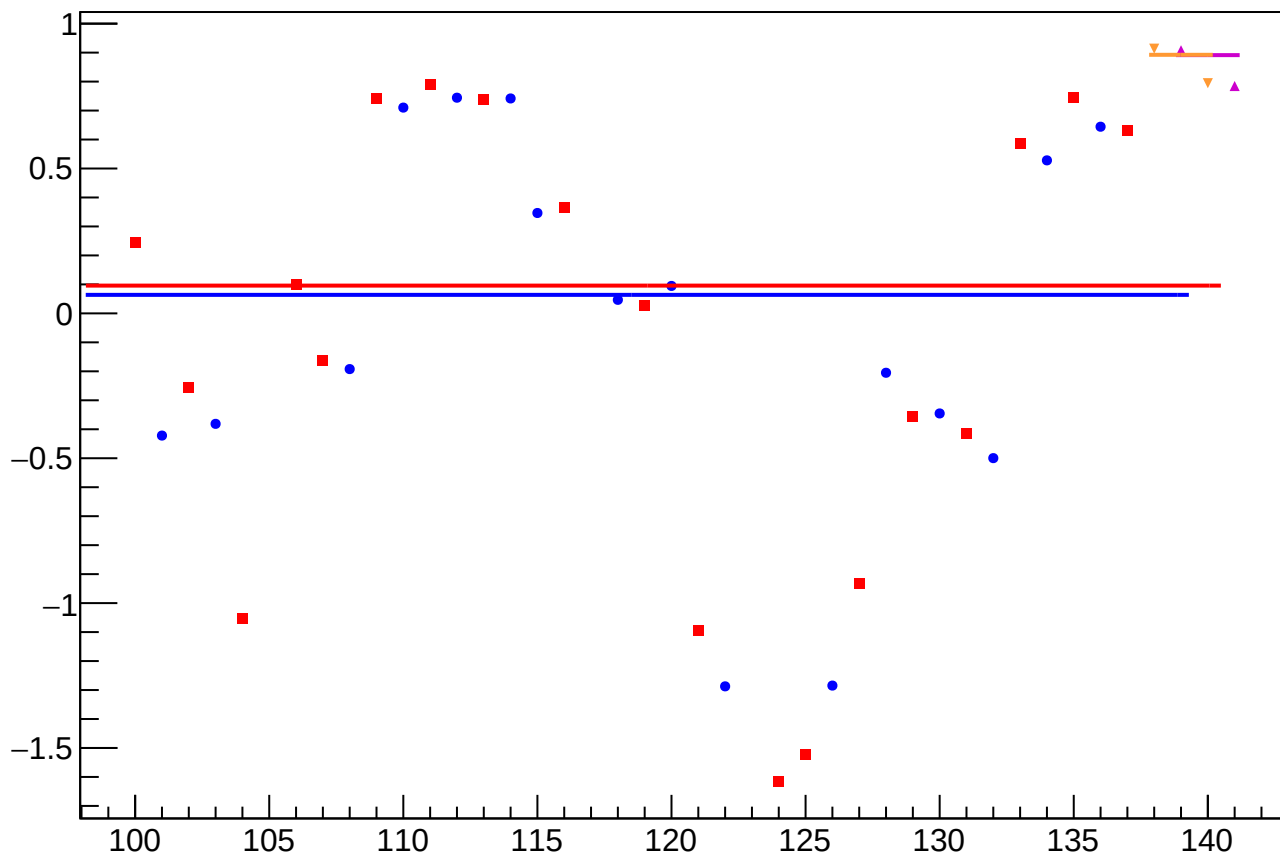
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:444136.1/1

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 661043.7/17

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 1671164.7/38

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 991347.0/20

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

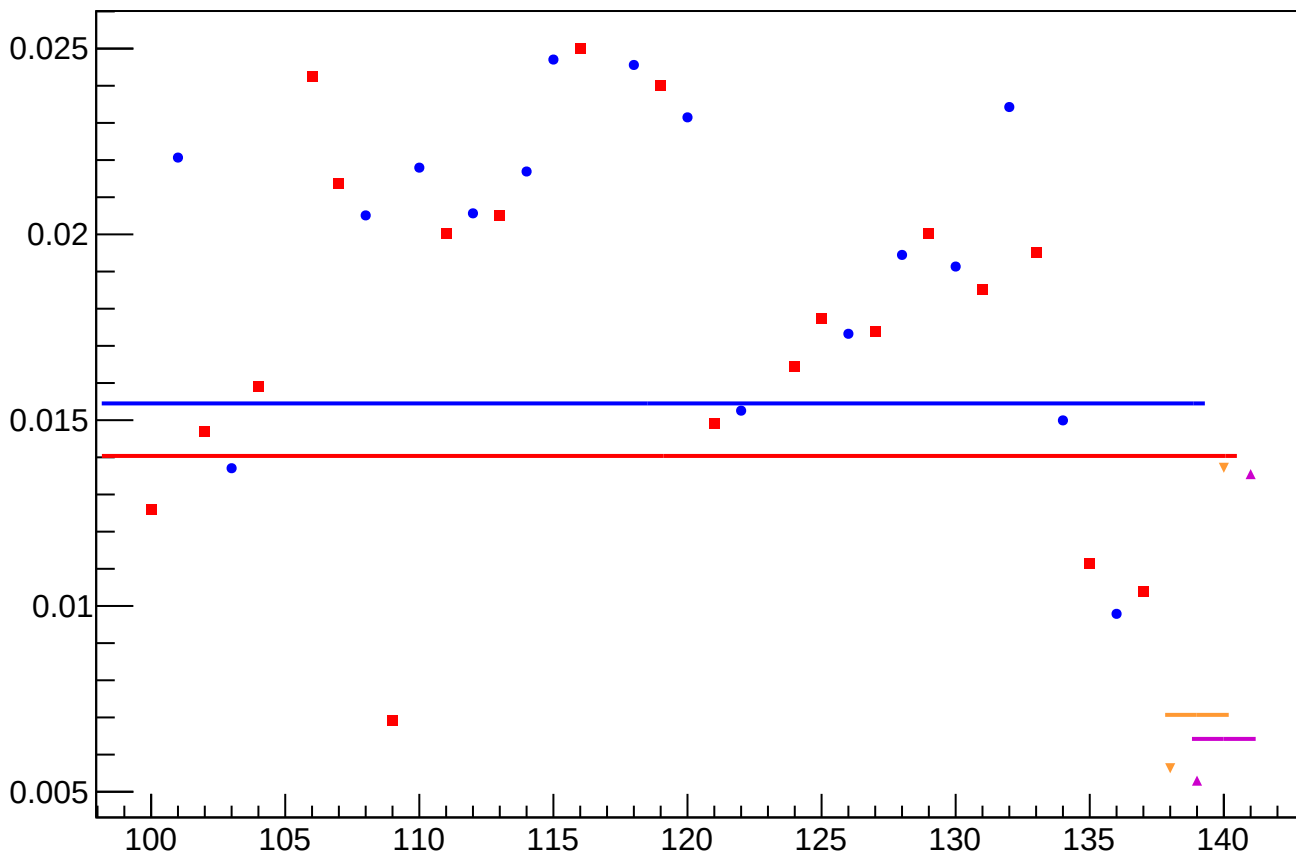
Left In: 0.891 $\pm$ 0.000 χ^2 /NDF: 58816808.8/1

+ sign 0.464 $\pm$ 0.000 χ^2 /NDF: 19419547022.2/17

All: 0.491 $\pm$ 0.000 χ^2 /NDF: 47219546209.1/3

- sign 0.513 $\pm$ 0.000 χ^2 /NDF: 27734426002.3/20

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1293711.1/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:448199.5/1

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1686554.4/18

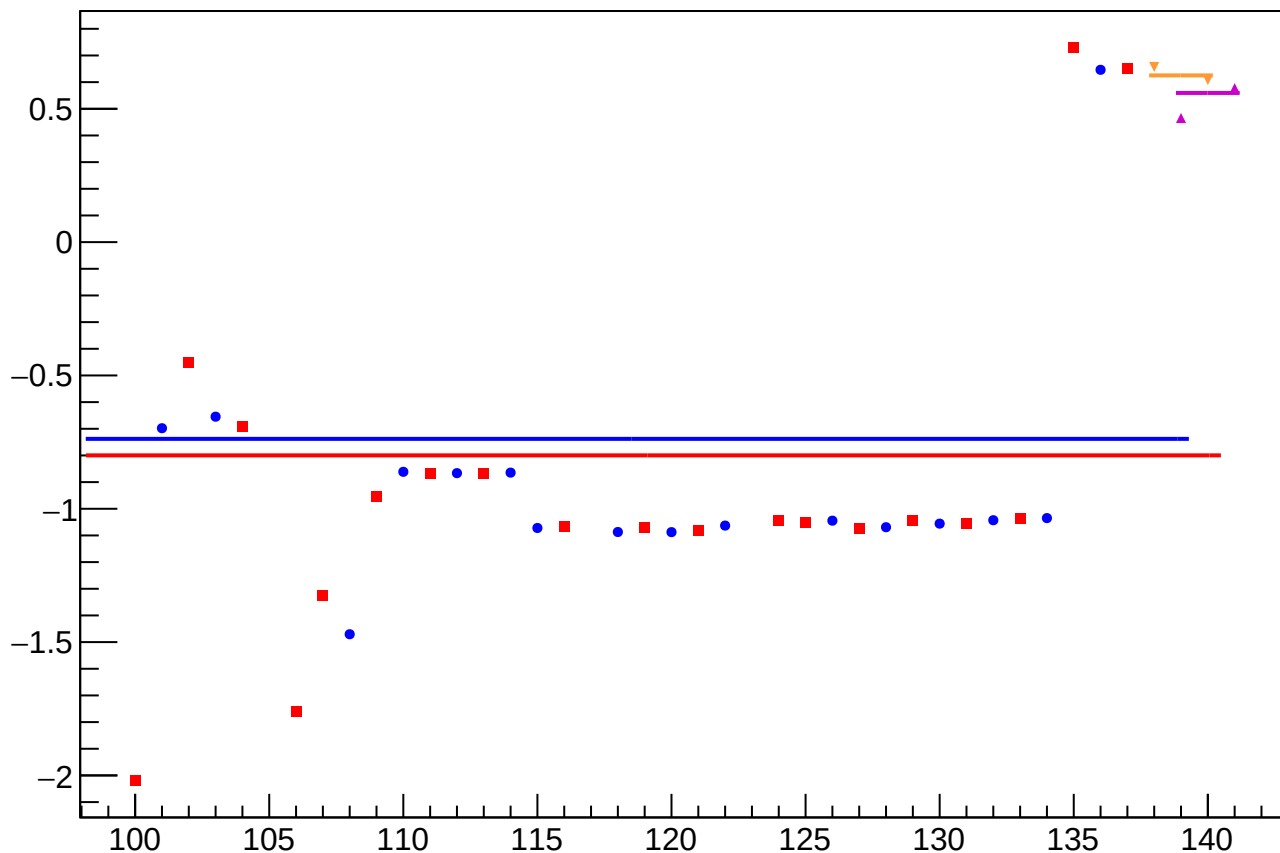
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:525554.8/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3447835.7/17

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 7573890.0/38

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 4024944.9/20

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

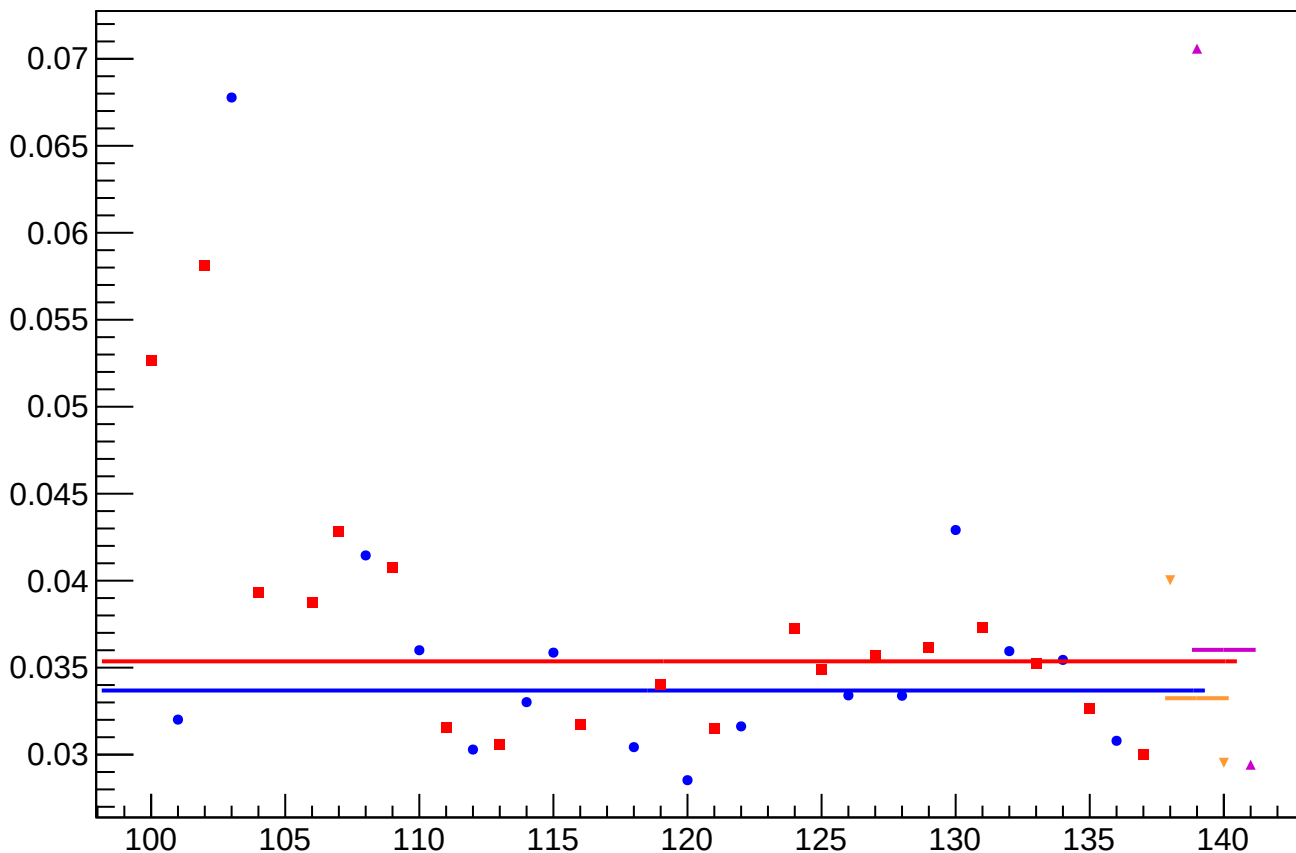
Left In: 0.559+/-0.000 χ^2/NDF : 1700834.8/1

+ sign -0.507+/-0.000 χ^2/NDF : 3821140711.0/17

All: -0.541+/-0.000 χ^2/NDF : 7284615407.9/3

- sign -0.577+/-0.000 χ^2/NDF : 3447525480.7/20

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

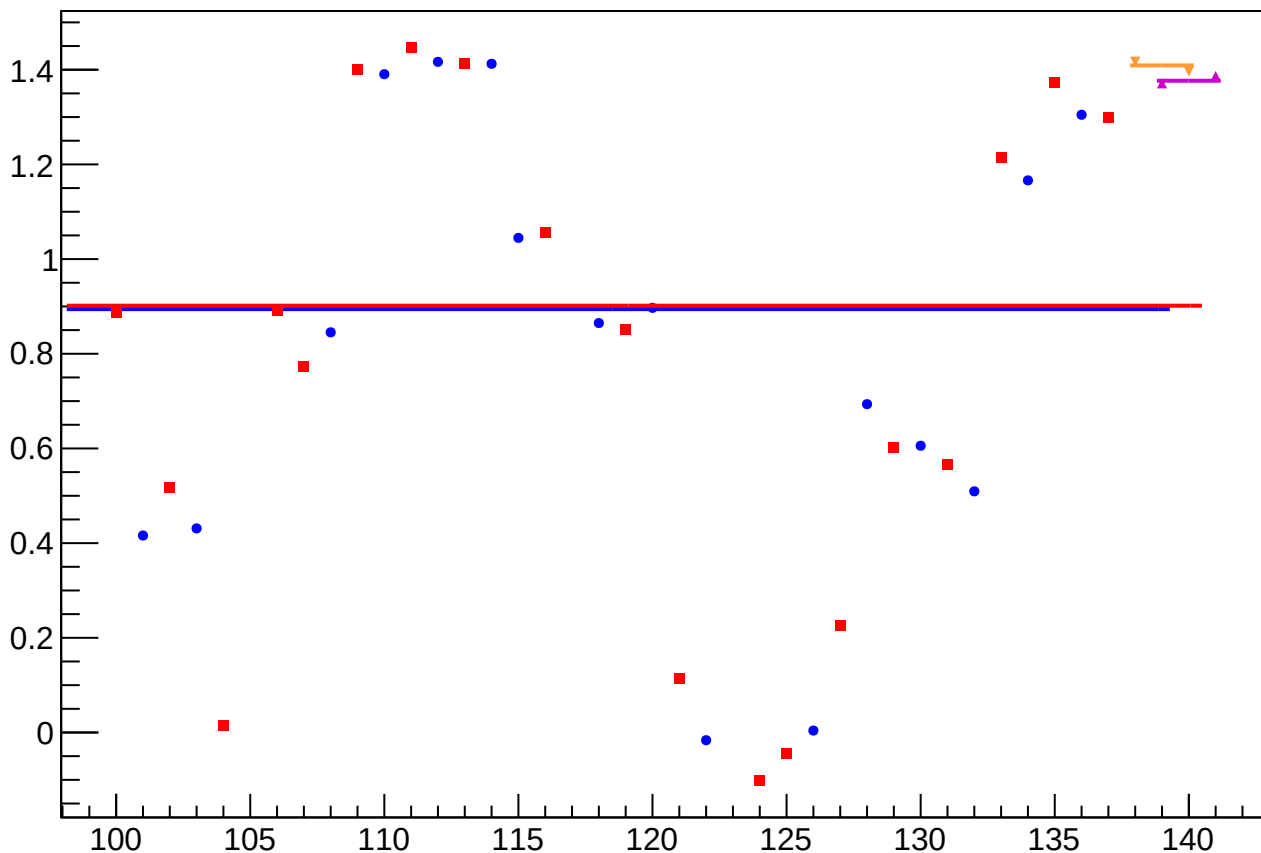
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:461306.7/1

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 477640.8/17

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1258262.9/38

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 758398.2/20

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

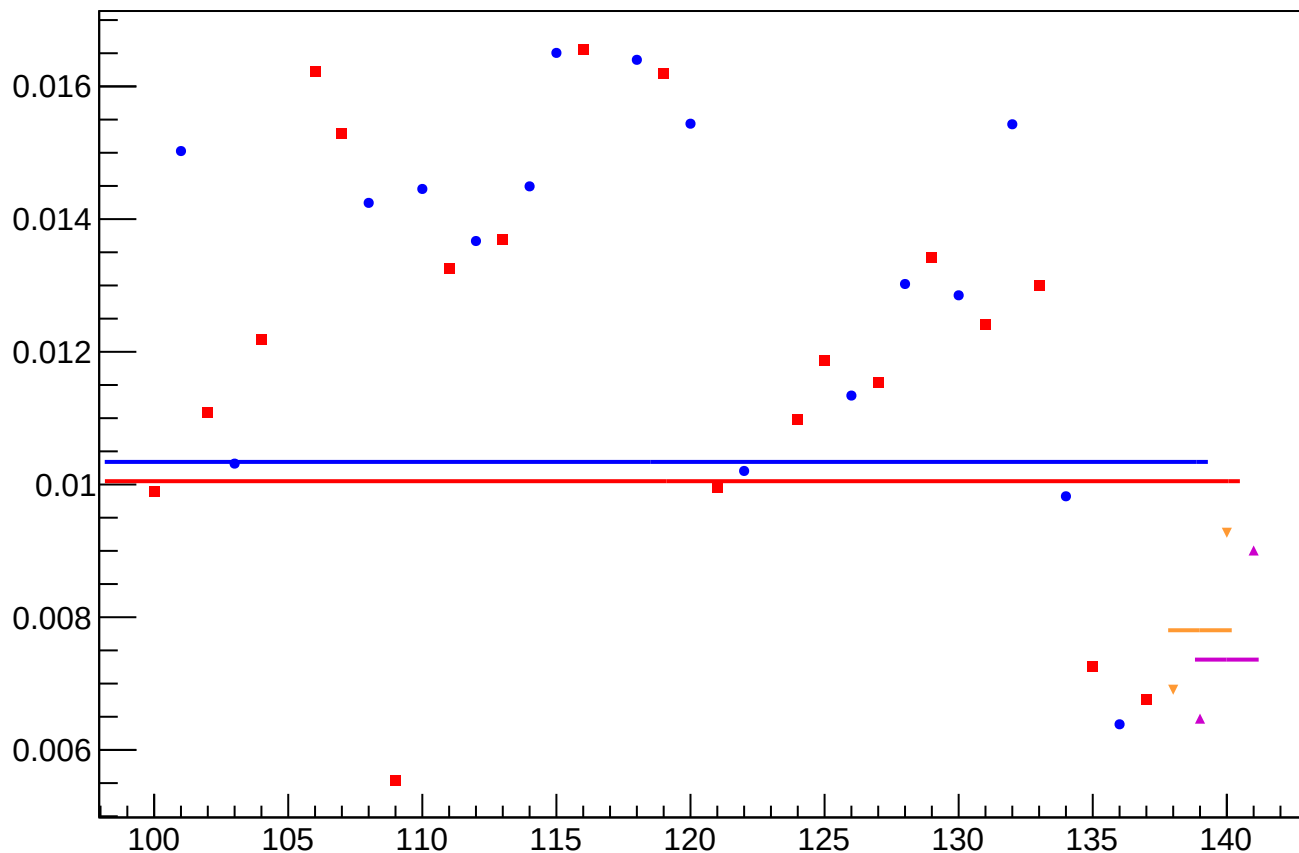
Left In: 1.377 $\pm$ 0.000 χ^2 /NDF:1593079.3/1

+ sign 1.050 $\pm$ 0.000 χ^2 /NDF: 17226065350.3/17

All: 1.053 $\pm$ 0.000 χ^2 /NDF: 39530513497.3/3

- sign 1.055 $\pm$ 0.000 χ^2 /NDF: 22303237352.1/20

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1350446.6/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:63784.0/1

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1336866.7/18

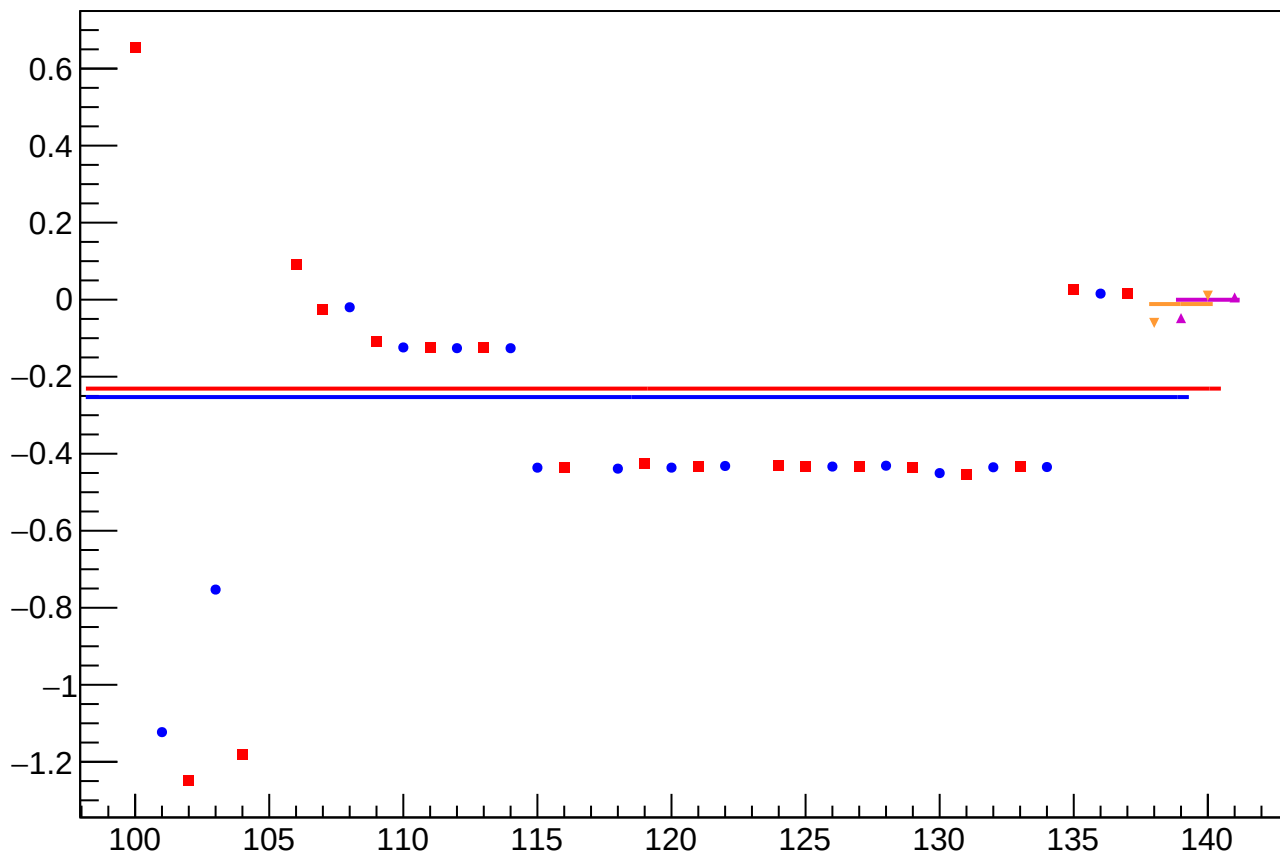
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:84502.3/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1631604.0/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3348407.8/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1703730.0/20

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

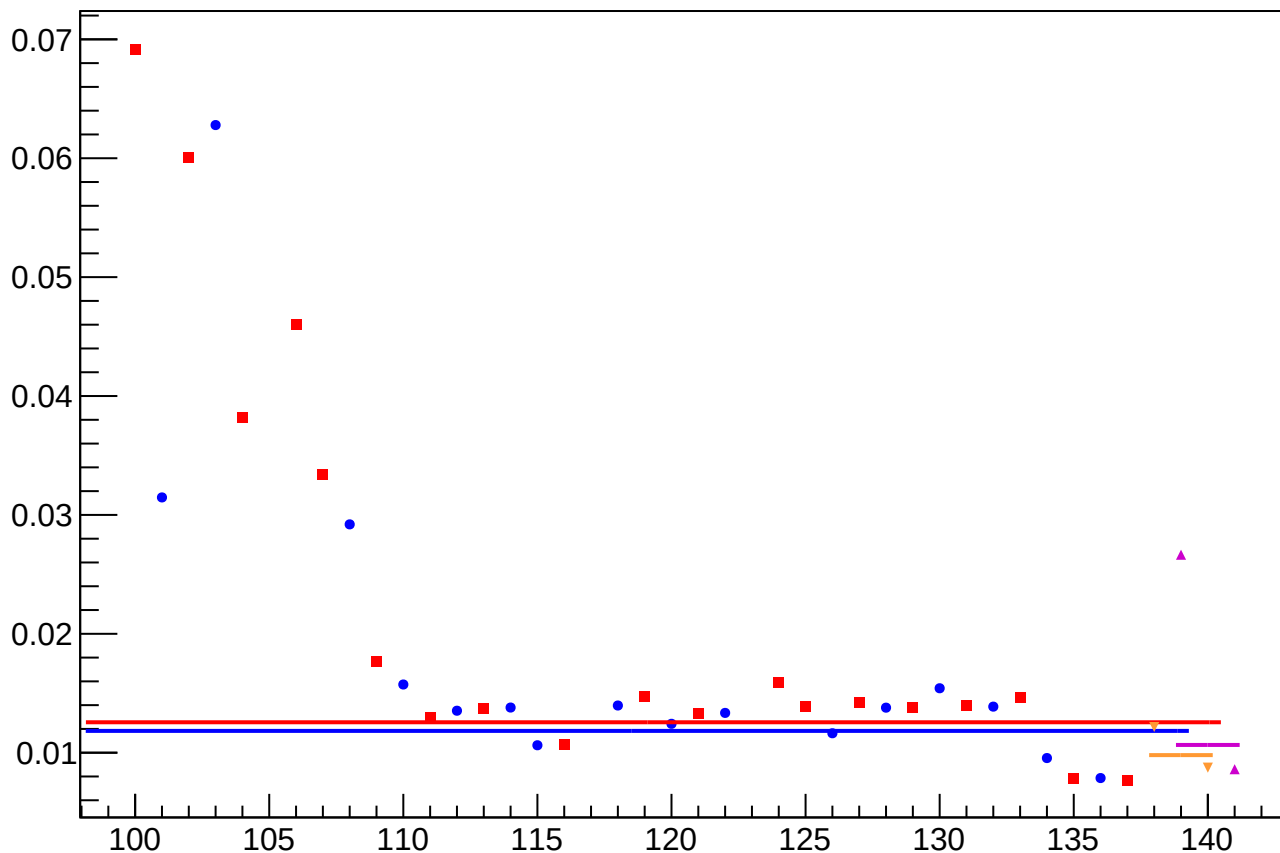
Left In: -0.000+/-0.000 χ^2/NDF : 2997694.4/1

+ sign -0.192+/-0.000 χ^2/NDF : 2557075963.8/17

All: -0.184+/-0.000 χ^2/NDF : 4791733530.8/3

- sign -0.174+/-0.000 χ^2/NDF : 2227280044.1/20

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

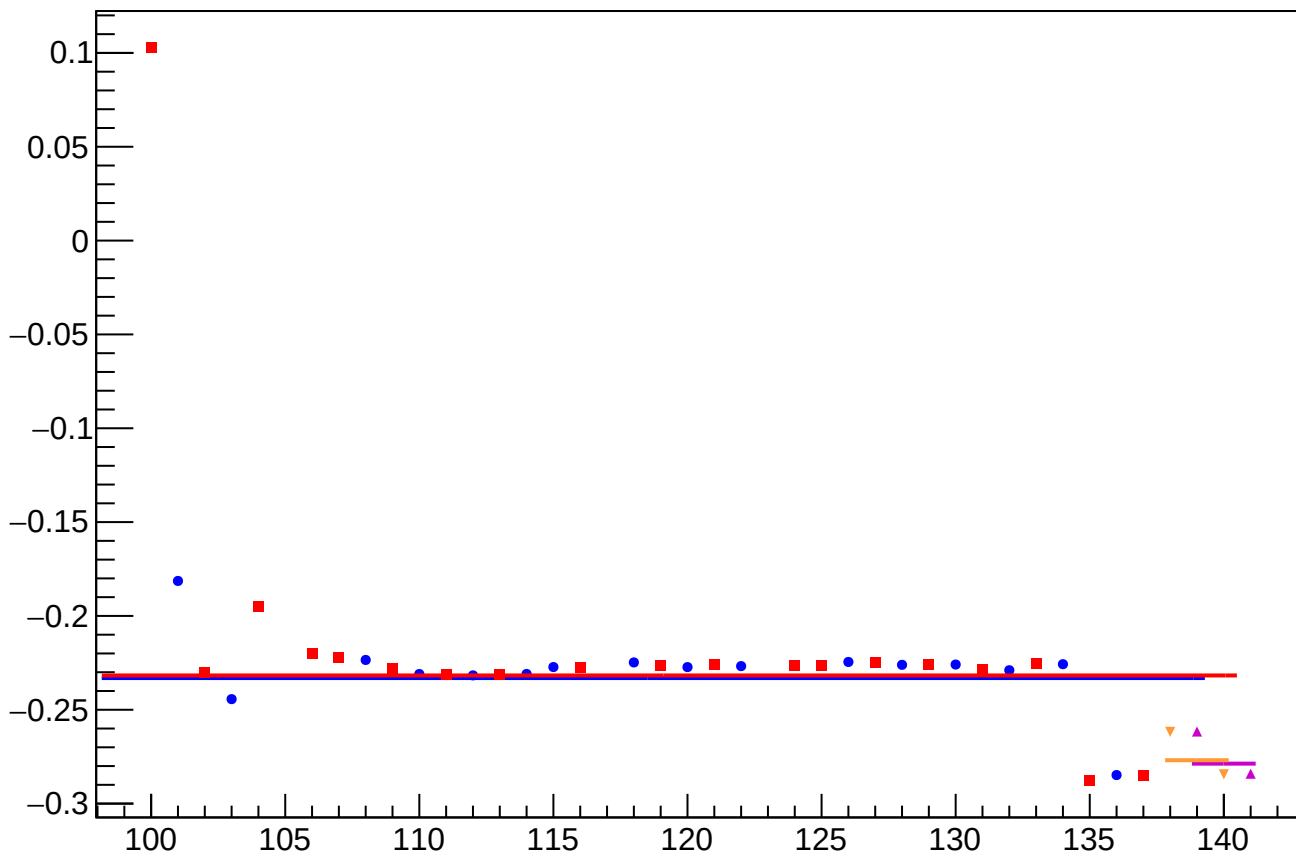
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:676261.8/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2075650.7/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5052390.4/38

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2950495.0/20

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF : 199059878.3/15

Left Out: -0.277+/-0.000 χ^2/NDF : 7369992.0/1

Right Out: -0.232+/-0.000 χ^2/NDF : 287244778.7/18

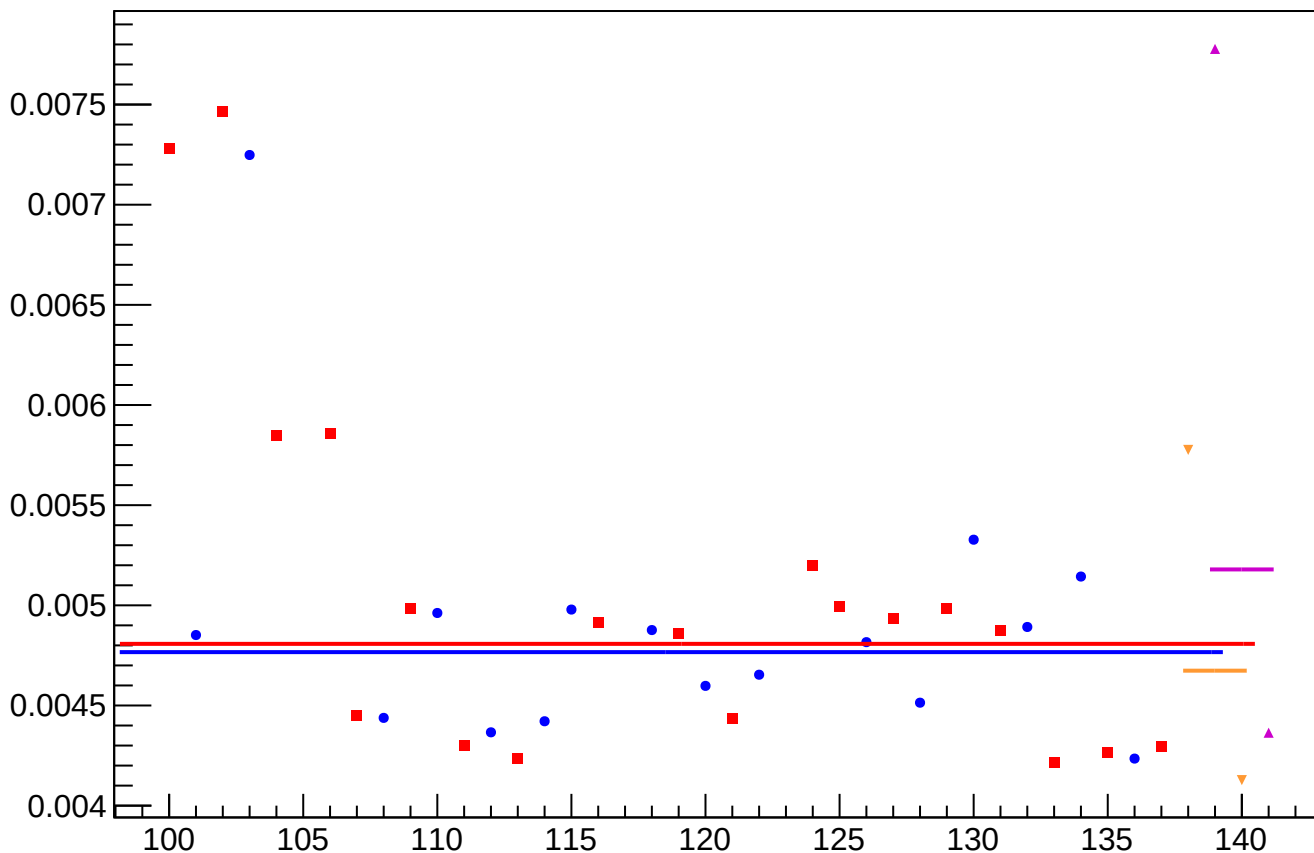
Left In: -0.279+/-0.000 χ^2/NDF : 5089024.7/1

+ sign -0.241+/-0.000 χ^2/NDF : 307705105.6/17

All: -0.240+/-0.000 χ^2/NDF : 703484612.7/38

- sign -0.239+/-0.000 χ^2/NDF : 395078378.2/20

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF : 78160.4/1

Right Out: 0.005+/-0.000 χ^2/NDF : 293738.0/18

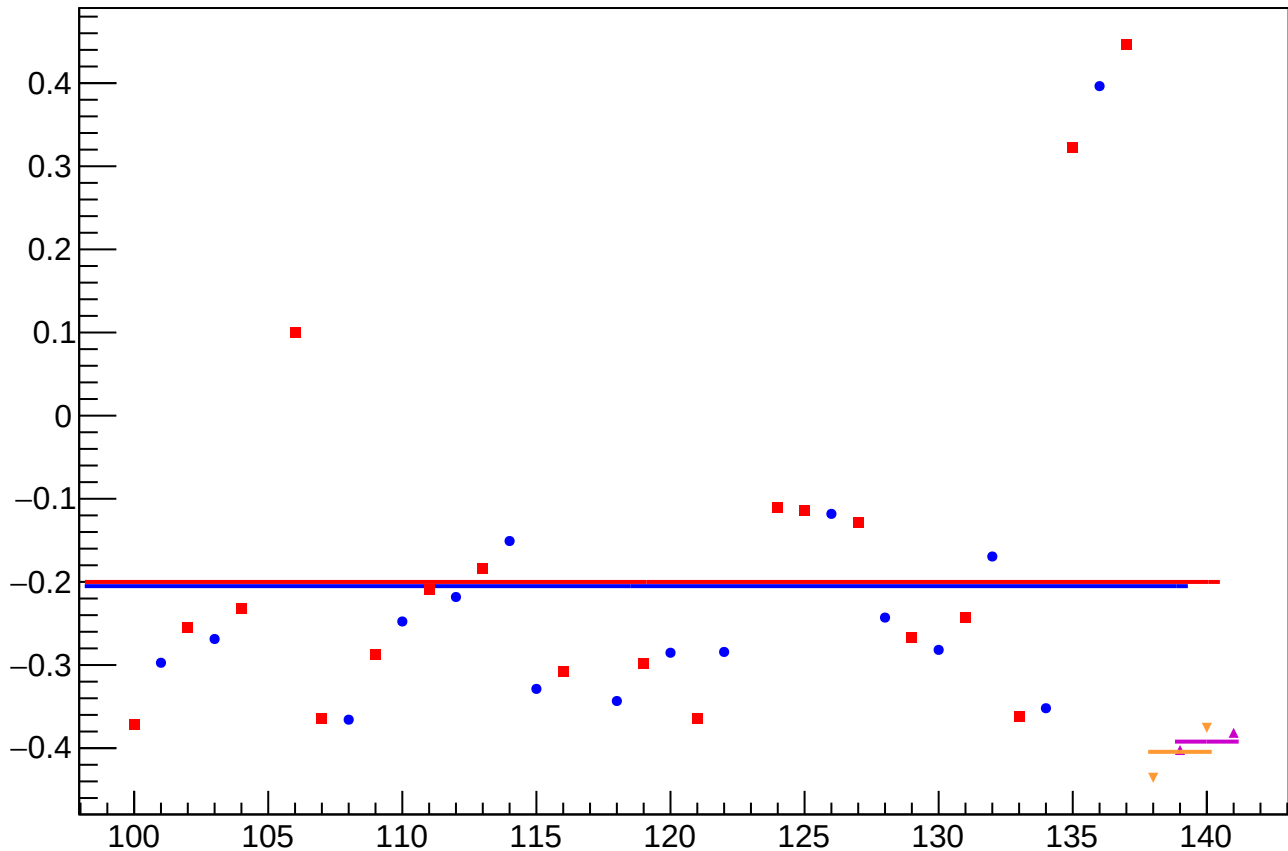
Left In: 0.005+/-0.000 χ^2/NDF : 234830.3/1

+ sign 0.005+/-0.000 χ^2/NDF : 270824.9/17

All: 0.005+/-0.000 χ^2/NDF : 817083.5/38

- sign 0.005+/-0.000 χ^2/NDF : 541418.2/20

yield_bpm0i02X_mean vs Slug



Right In: -0.205 $\pm$ 0.000 χ^2 /NDF: 6189271855.3/15

Left Out: -0.404 $\pm$ 0.000 χ^2 /NDF: 56146737.9/1

+ sign -0.265 $\pm$ 0.000 χ^2 /NDF: 7979183577.8/17

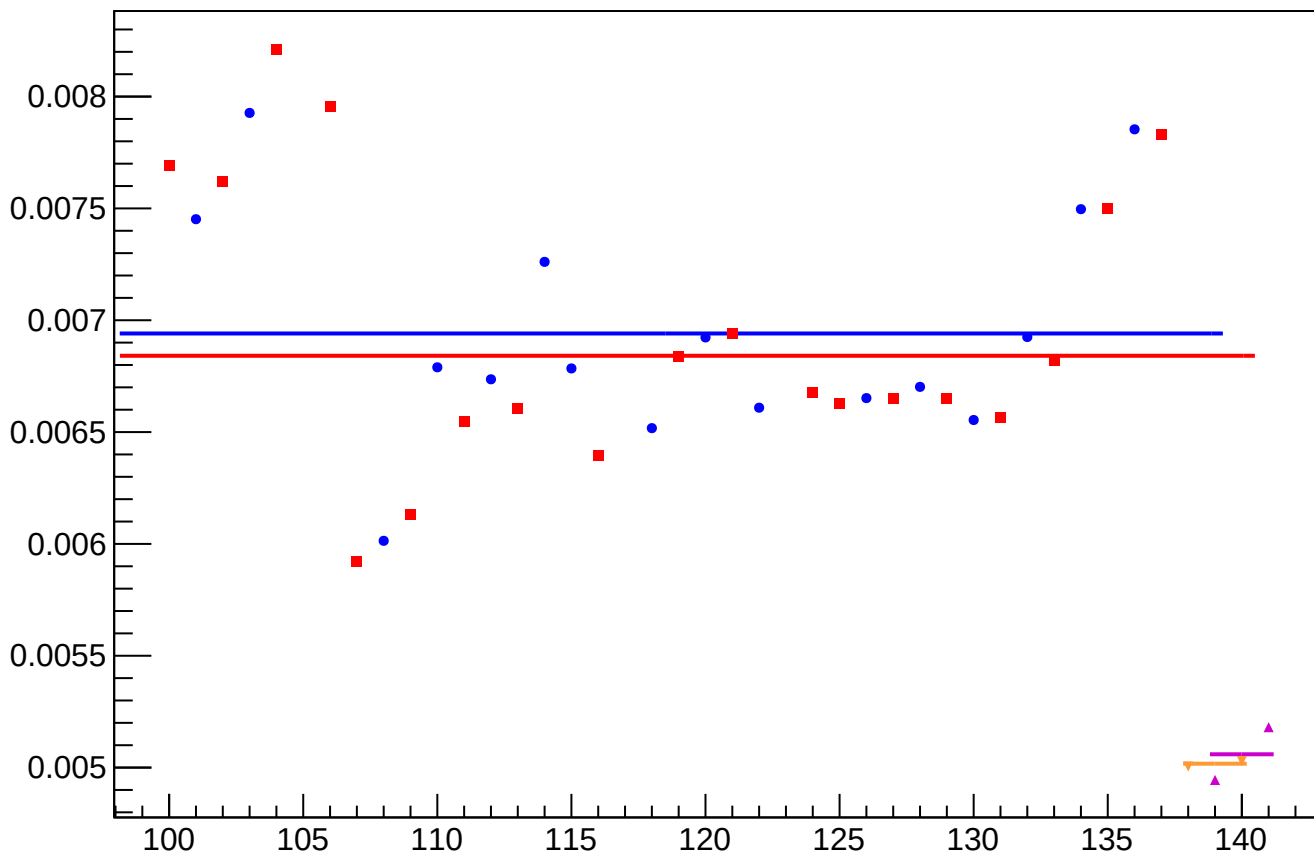
Right Out: -0.200 $\pm$ 0.000 χ^2 /NDF: 5249978819.5/18

All: -0.261 $\pm$ 0.000 χ^2 /NDF: 14935918648.7

Left In: -0.392 $\pm$ 0.000 χ^2 /NDF: 7005920.7/1

- sign -0.257 $\pm$ 0.000 χ^2 /NDF: 6950835814.0/20

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF : 18.7/1

Right Out: 0.007+/-0.000 χ^2/NDF : 99819.4/18

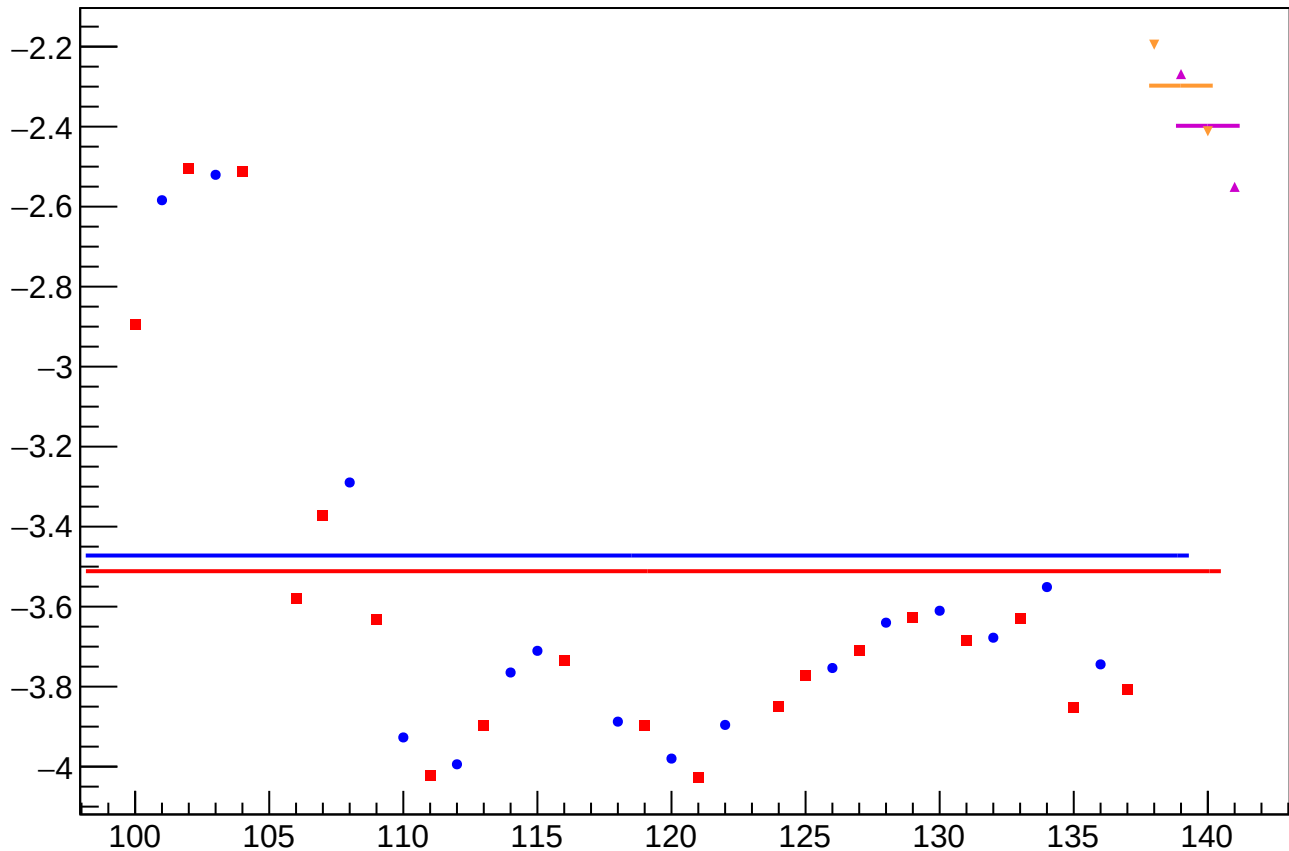
Left In: 0.005+/-0.000 χ^2/NDF : 1817.3/1

+ sign 0.006+/-0.000 χ^2/NDF : 408097.0/17

All: 0.006+/-0.000 χ^2/NDF : 801876.3/38

- sign 0.006+/-0.000 χ^2/NDF : 393122.7/20

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

Right Out: -3.511+/-0.000 χ^2/NDF : 29716501733.6/18

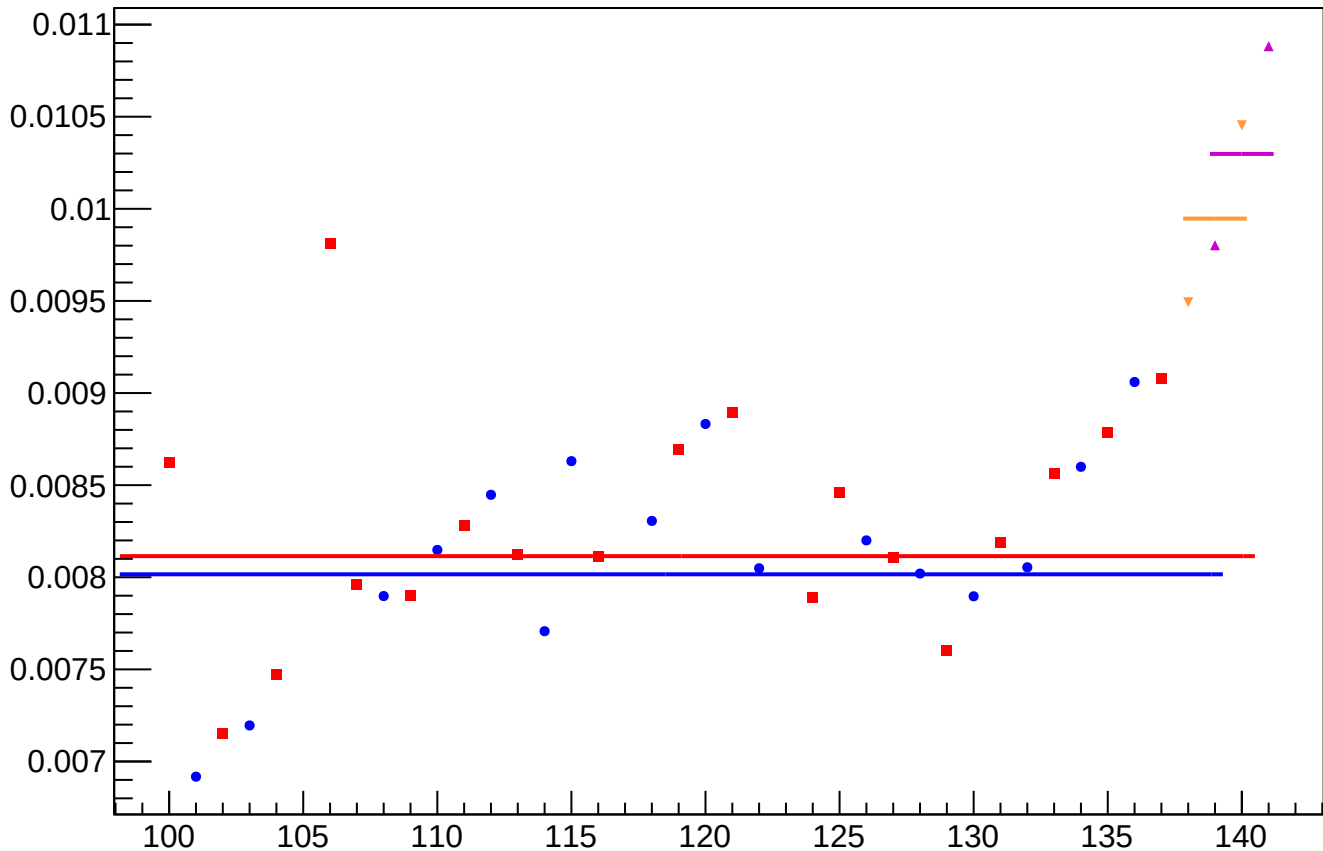
Left In: -2.398+/-0.000 χ^2/NDF : 318060386.9/1

+ sign -3.320+/-0.000 χ^2/NDF : 49213422762.7/17

All: -3.343+/-0.000 χ^2/NDF : 96766347725.7/1

- sign -3.367+/-0.000 χ^2/NDF : 47416351358.1/20

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF : 7438.0/1

Right Out: 0.008+/-0.000 χ^2/NDF : 71067.5/18

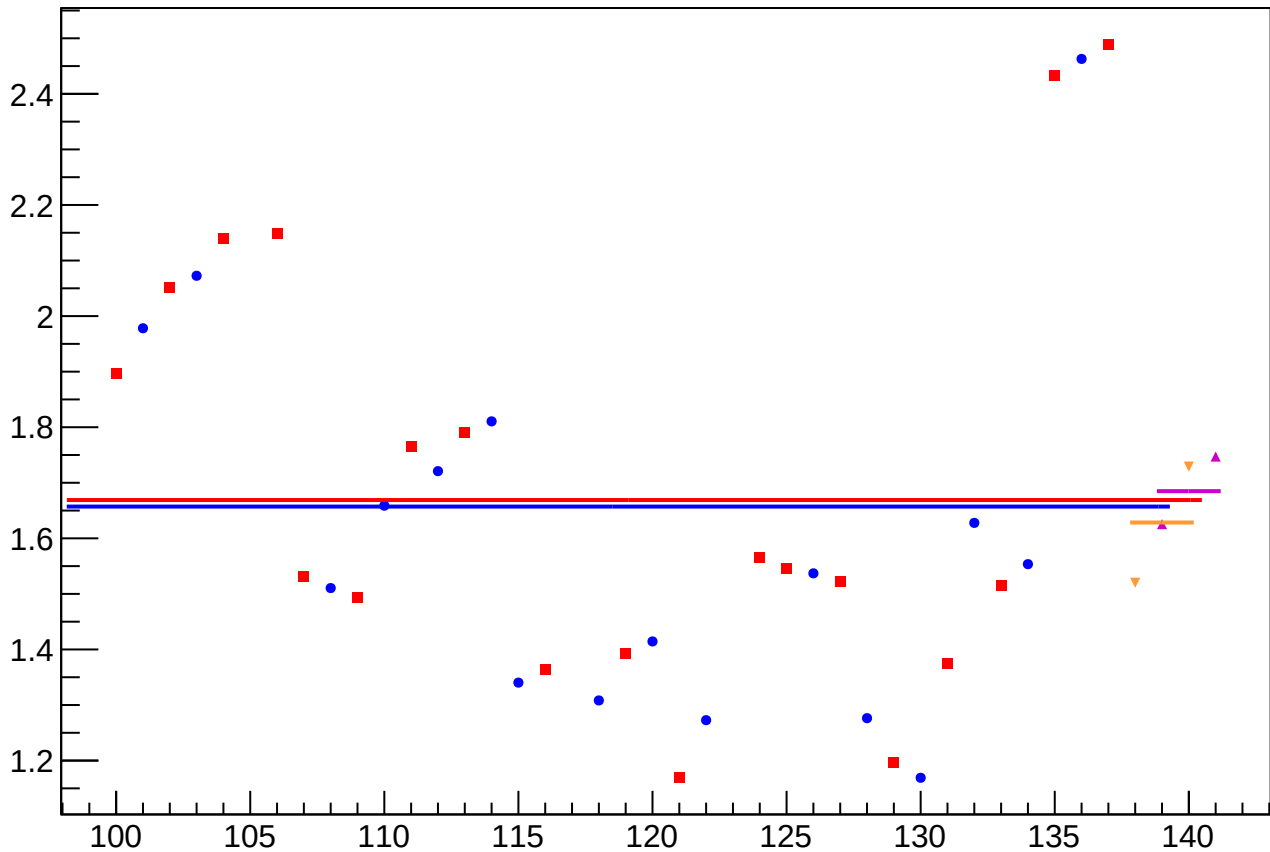
Left In: 0.010+/-0.000 χ^2/NDF : 9333.0/1

+ sign 0.008+/-0.000 χ^2/NDF : 198669.6/17

All: 0.008+/-0.000 χ^2/NDF : 414865.1/38

- sign 0.008+/-0.000 χ^2/NDF : 214032.6/20

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF : 6666154117.3/15

Left Out: 1.629+/-0.000 χ^2/NDF :144146539.9/1

Right Out: 1.669+/-0.000 χ^2/NDF : 6357589265.5/18

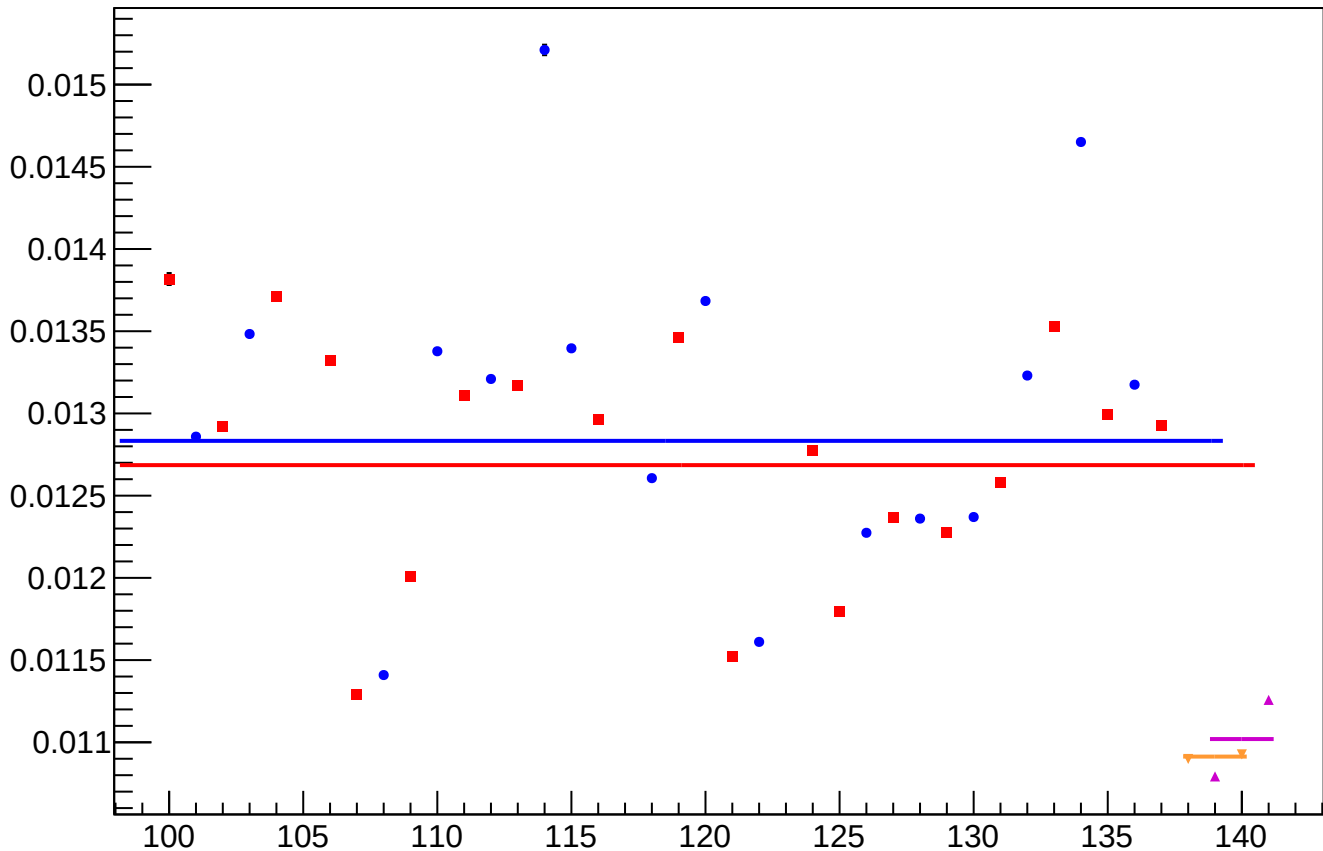
Left In: 1.685+/-0.000 χ^2/NDF :51529960.7/1

+ sign 1.650+/-0.000 χ^2/NDF : 6818586610.1/17

All: 1.662+/-0.000 χ^2/NDF : 13244698652.8/3

- sign 1.673+/-0.000 χ^2/NDF : 6411835356.6/20

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF : 5.2/1

Right Out: 0.013+/-0.000 χ^2/NDF : 43279.9/18

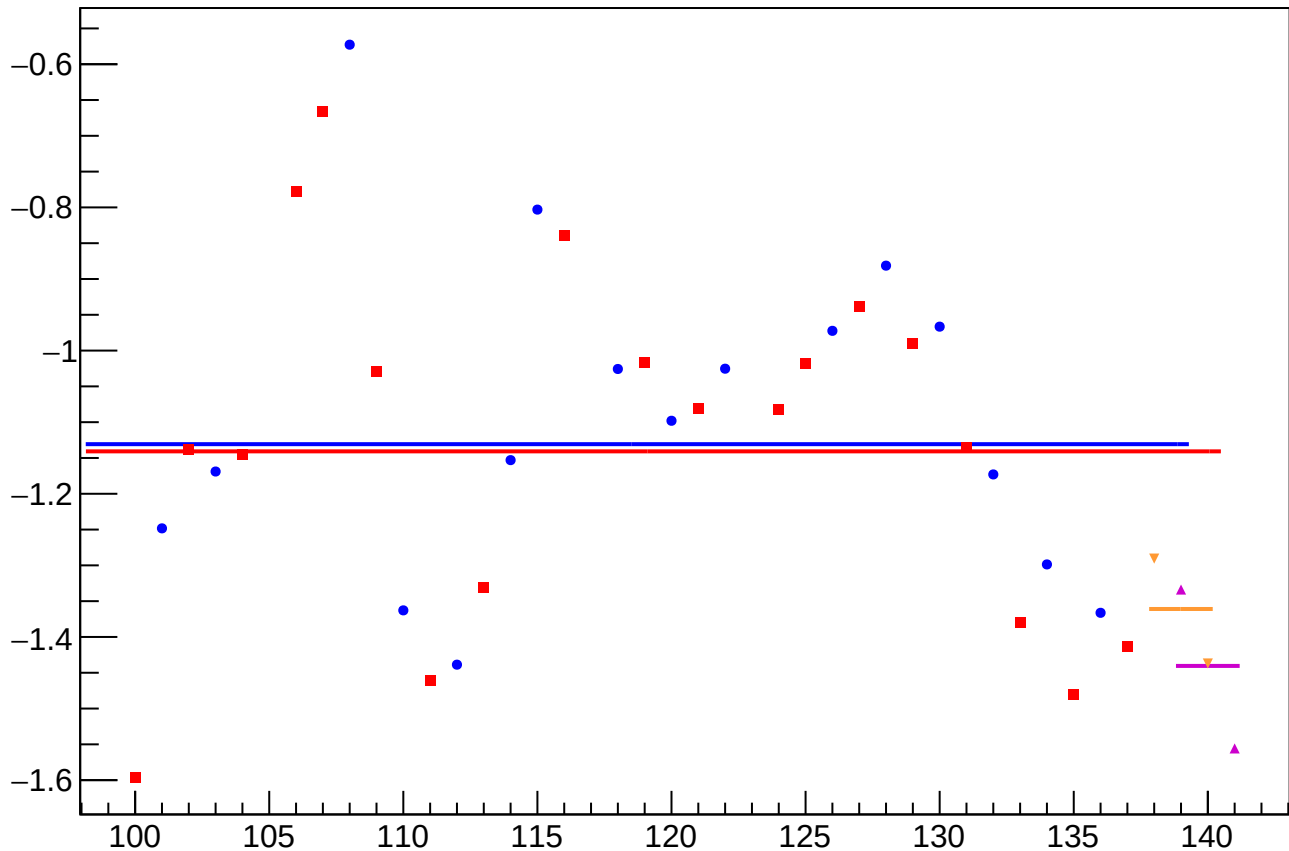
Left In: 0.011+/-0.000 χ^2/NDF : 1508.1/1

+ sign 0.012+/-0.000 χ^2/NDF : 126901.9/17

All: 0.012+/-0.000 χ^2/NDF : 231114.2/38

- sign 0.012+/-0.000 χ^2/NDF : 103769.4/20

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

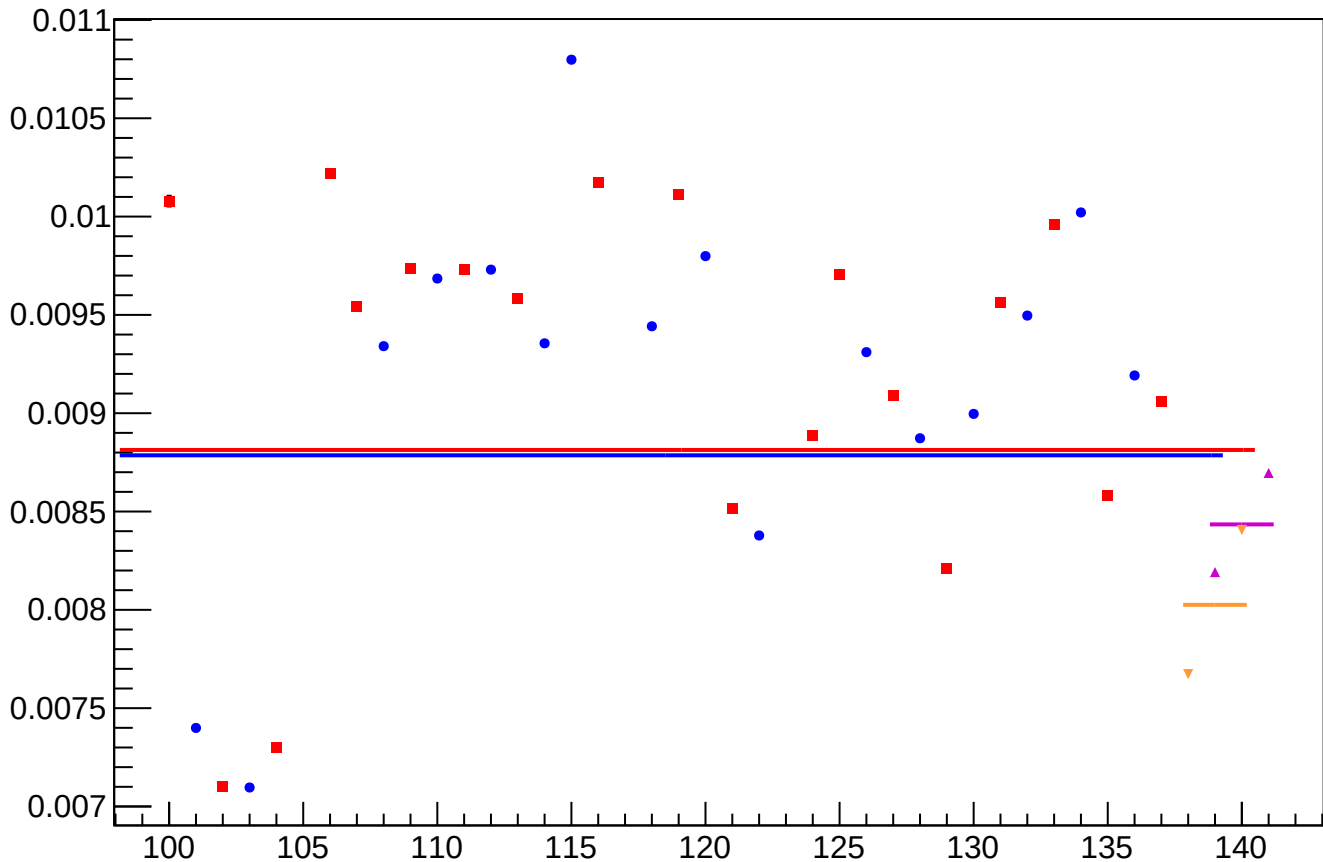
Left In: -1.440 ± 0.000 χ^2/NDF : 291581663.1/1

+ sign -1.180 ± 0.000 χ^2/NDF : 4936346064.3/17

All: -1.192 ± 0.000 χ^2/NDF : 10485701908.3/1

- sign -1.204 ± 0.000 χ^2/NDF : 5518905589.5/20

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF : 6559.8/1

Right Out: 0.009+/-0.000 χ^2/NDF : 204443.3/18

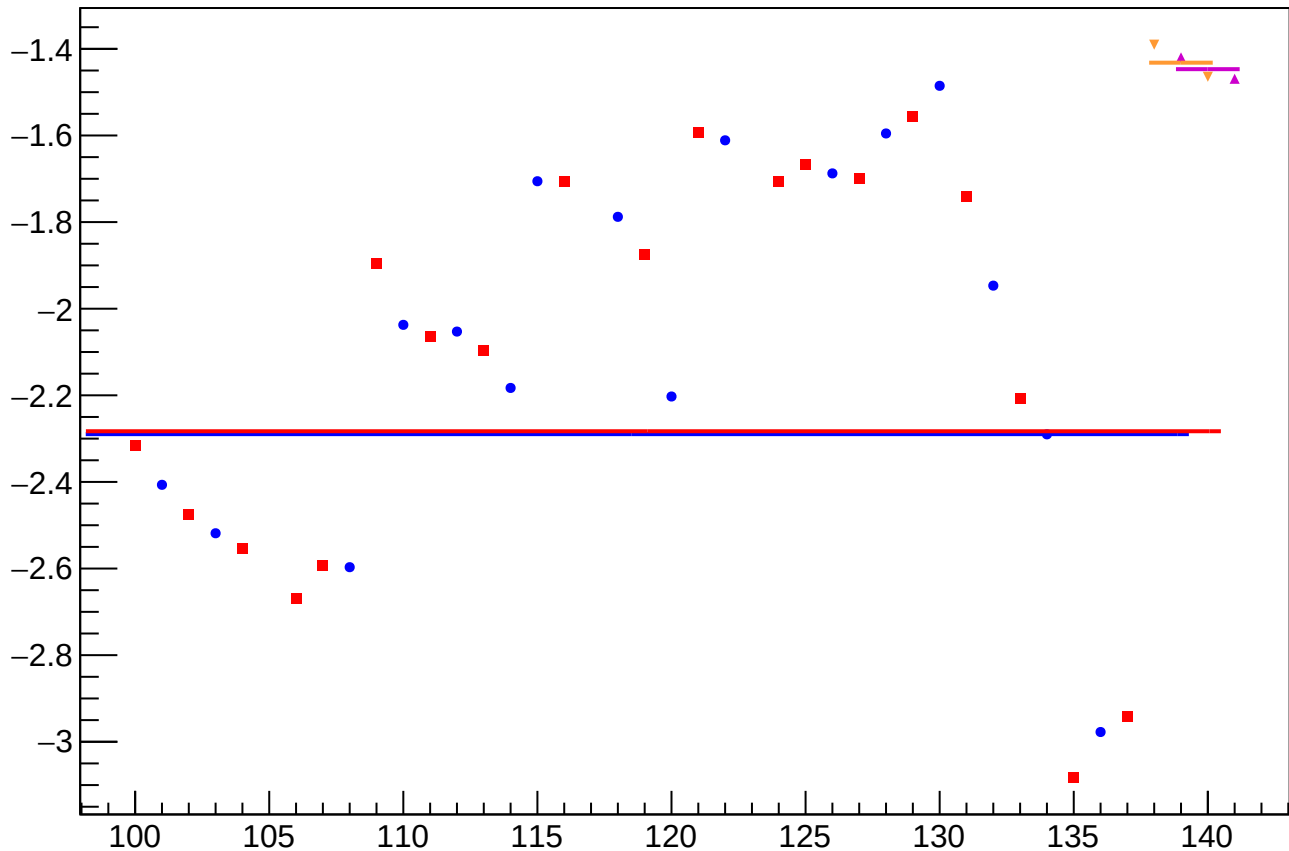
Left In: 0.008+/-0.000 χ^2/NDF : 3009.0/1

+ sign 0.009+/-0.000 χ^2/NDF : 202194.4/17

All: 0.009+/-0.000 χ^2/NDF : 416440.6/38

- sign 0.009+/-0.000 χ^2/NDF : 212826.5/20

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

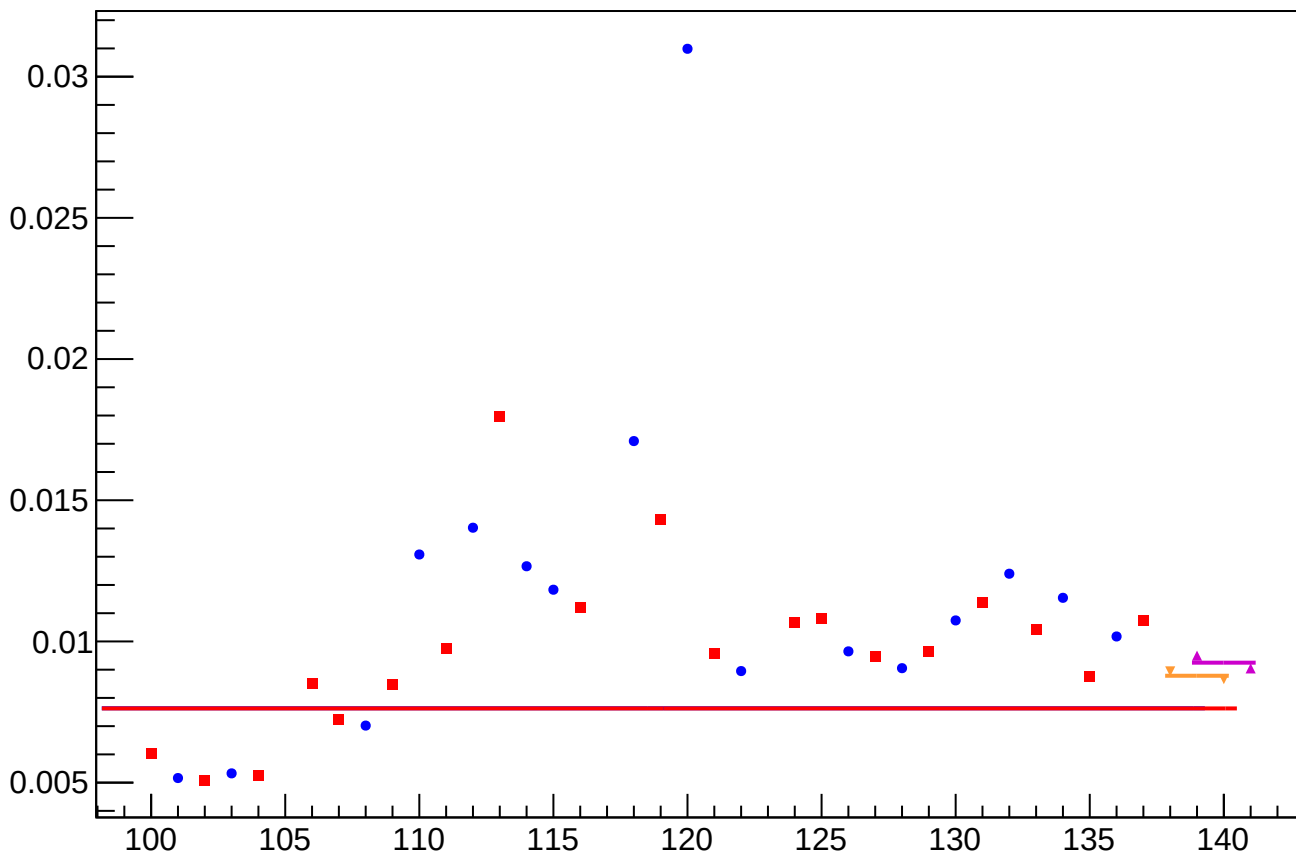
Left In: -1.447+/-0.000 χ^2/NDF : 11035804.7/1

+ sign -2.144+/-0.000 χ^2/NDF : 26169601748.5/17

All: -2.146+/-0.000 χ^2/NDF : 53955777862.2/20

- sign -2.148+/-0.000 χ^2/NDF : 27785122304.5/20

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF :666.9/1

Right Out: 0.008+/-0.000 χ^2/NDF : 1317740.1/18

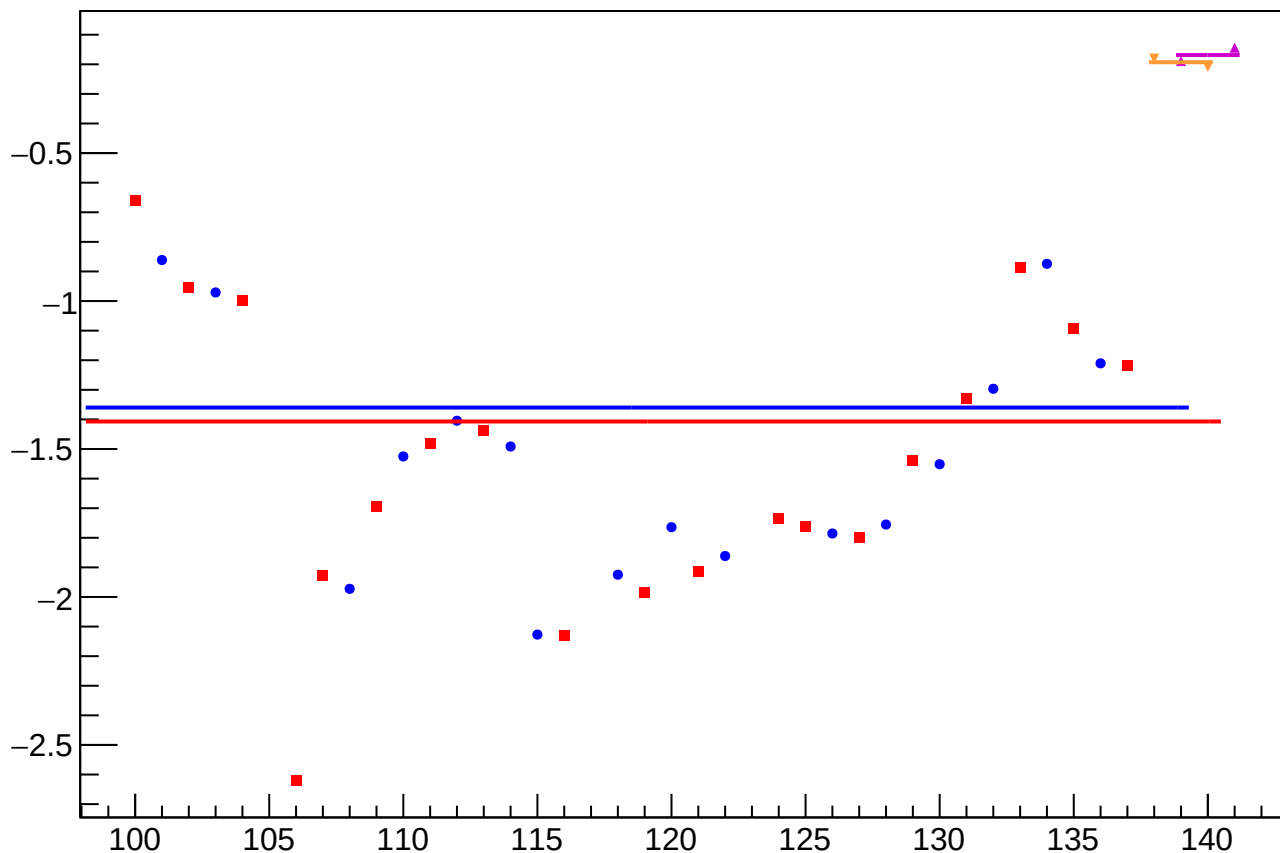
Left In: 0.009+/-0.000 χ^2/NDF :1852.6/1

+ sign 0.008+/-0.000 χ^2/NDF : 1750860.0/17

All: 0.008+/-0.000 χ^2/NDF : 3151531.6/38

- sign 0.008+/-0.000 χ^2/NDF : 1400277.4/20

yield_bpm0i05Y_mean vs Slug



Right In: -1.360+/-0.000 χ^2/NDF : 21491965614.5/15

Left Out: -0.193+/-0.000 χ^2/NDF : 14593169.4/1

Right Out: -1.407+/-0.000 χ^2/NDF : 29835610413.0/18

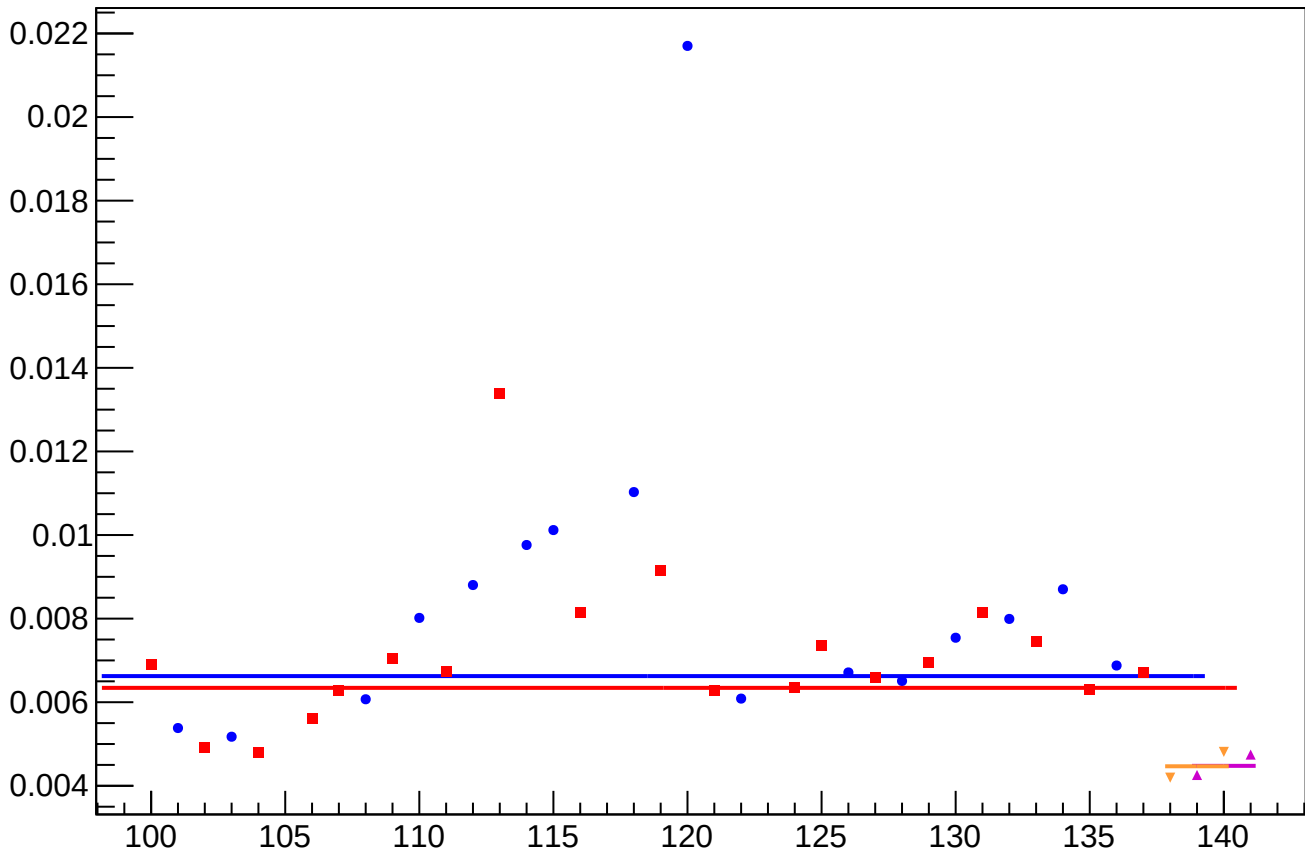
Left In: -0.169+/-0.000 χ^2/NDF : 40266852.2/1

+ sign -0.936+/-0.000 χ^2/NDF : 86781803689.6/17

All: -0.959+/-0.000 χ^2/NDF : 197211699351.7

- sign -0.980+/-0.000 χ^2/NDF : 110211698219.1/20

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF : 14118.8/1

Right Out: 0.006+/-0.000 χ^2/NDF : 529170.9/18

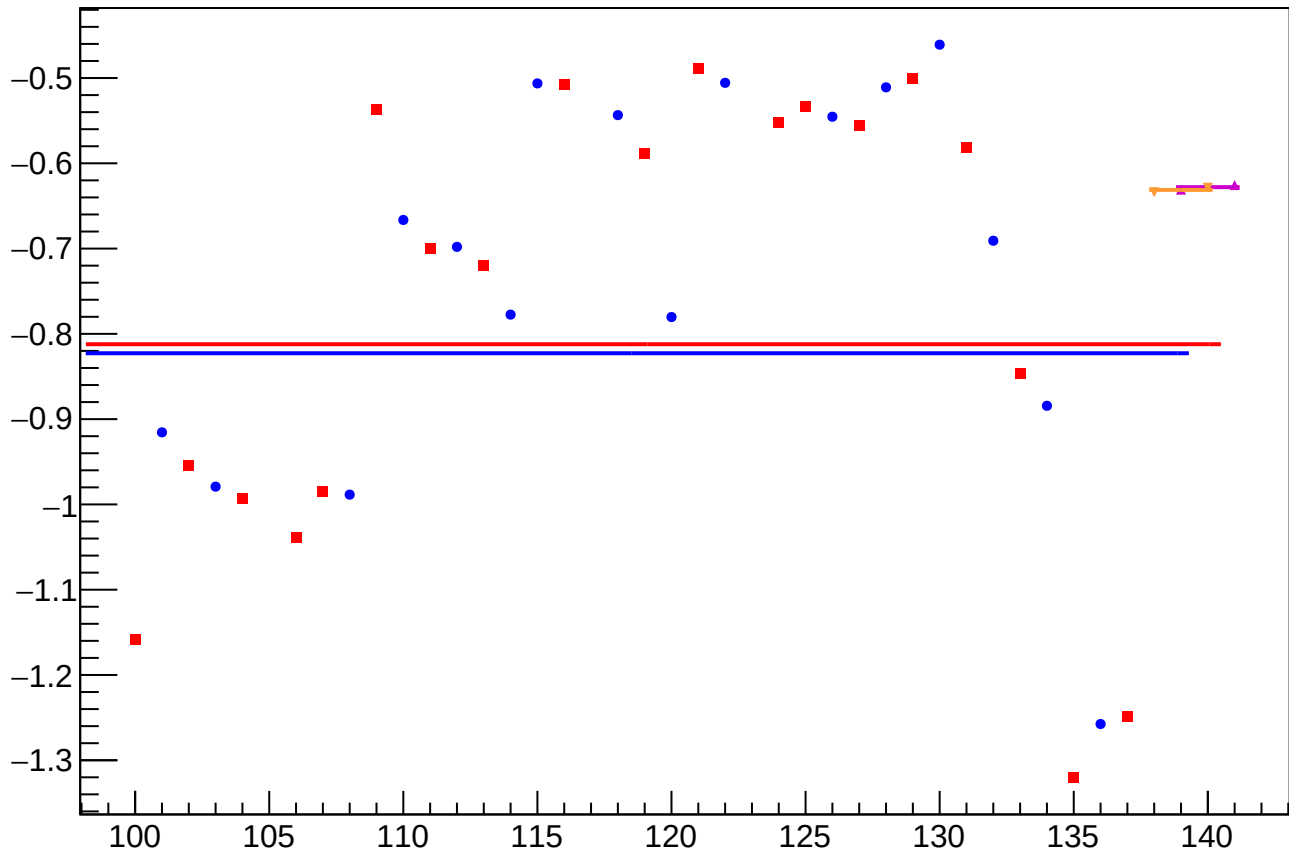
Left In: 0.004+/-0.000 χ^2/NDF : 9410.4/1

+ sign 0.006+/-0.000 χ^2/NDF : 1154260.3/17

All: 0.006+/-0.000 χ^2/NDF : 2061987.2/38

- sign 0.006+/-0.000 χ^2/NDF : 903429.9/20

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

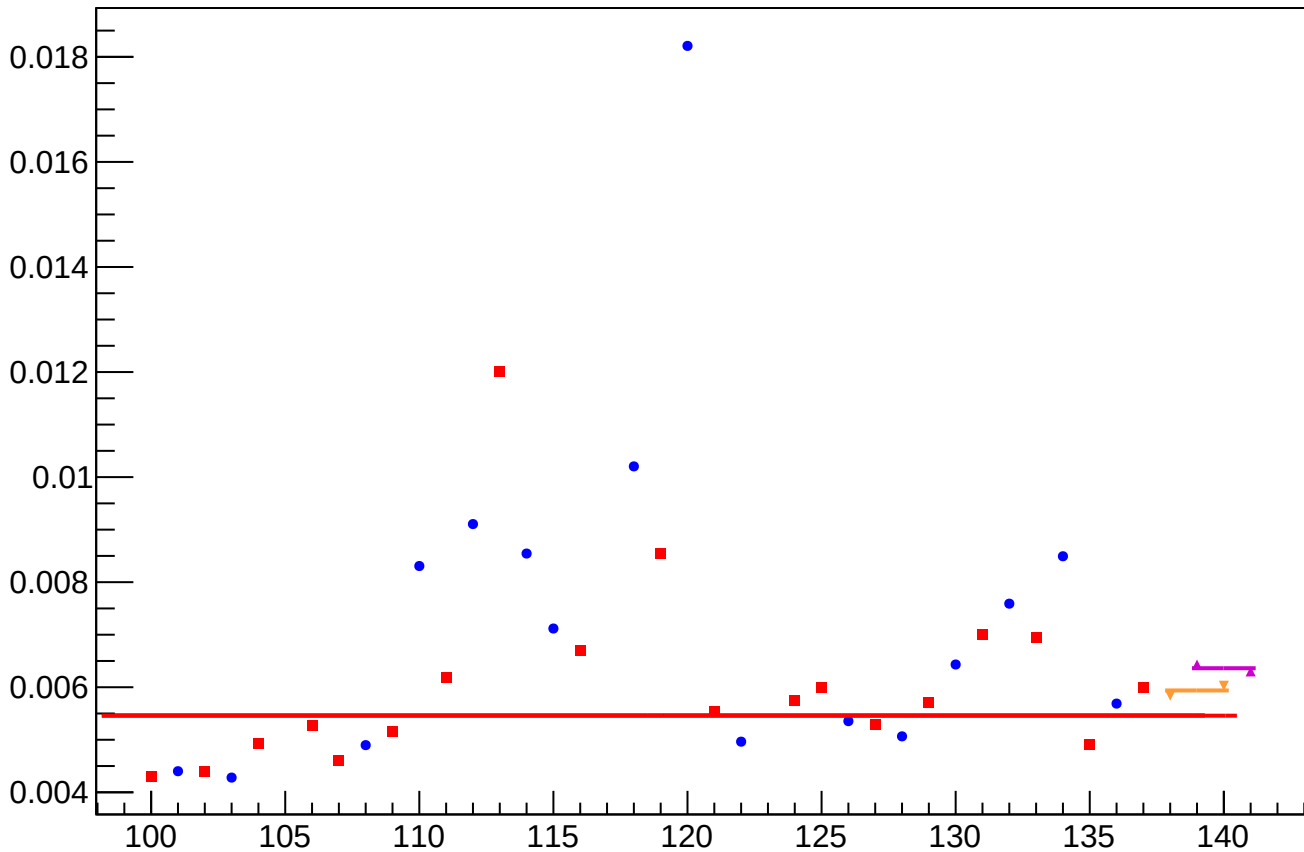
Left In: -0.628+/-0.000 χ^2/NDF : 272960.2/1

+ sign -0.790+/-0.000 χ^2/NDF : 13395050770.3/17

All: -0.786+/-0.000 χ^2/NDF : 29312764396.7/19

- sign -0.783+/-0.000 χ^2/NDF : 15912380870.2/20

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF :678.9/1

Right Out: 0.005+/-0.000 χ^2/NDF : 507792.7/18

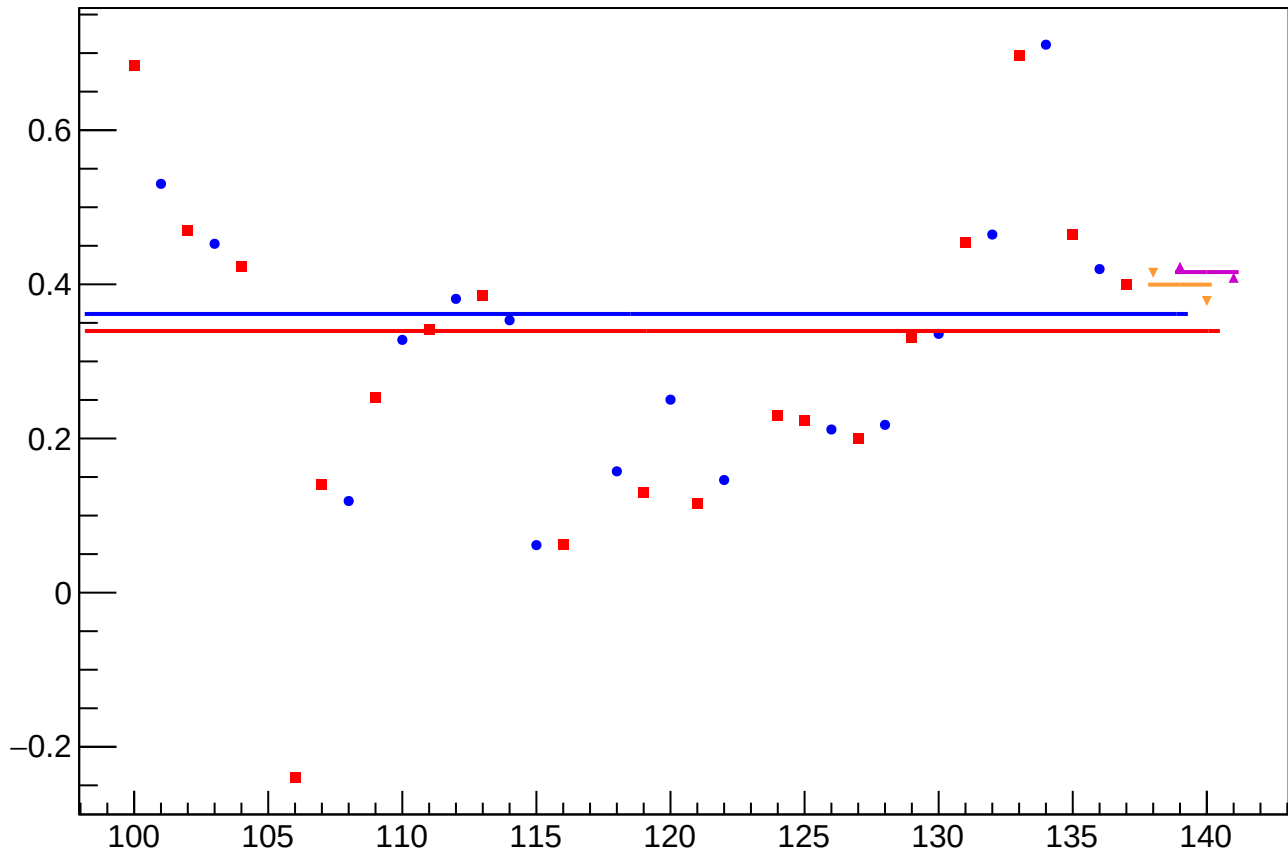
Left In: 0.006+/-0.000 χ^2/NDF :320.8/1

+ sign 0.006+/-0.000 χ^2/NDF : 976569.0/17

All: 0.006+/-0.000 χ^2/NDF : 1537720.4/38

- sign 0.006+/-0.000 χ^2/NDF : 560413.0/20

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

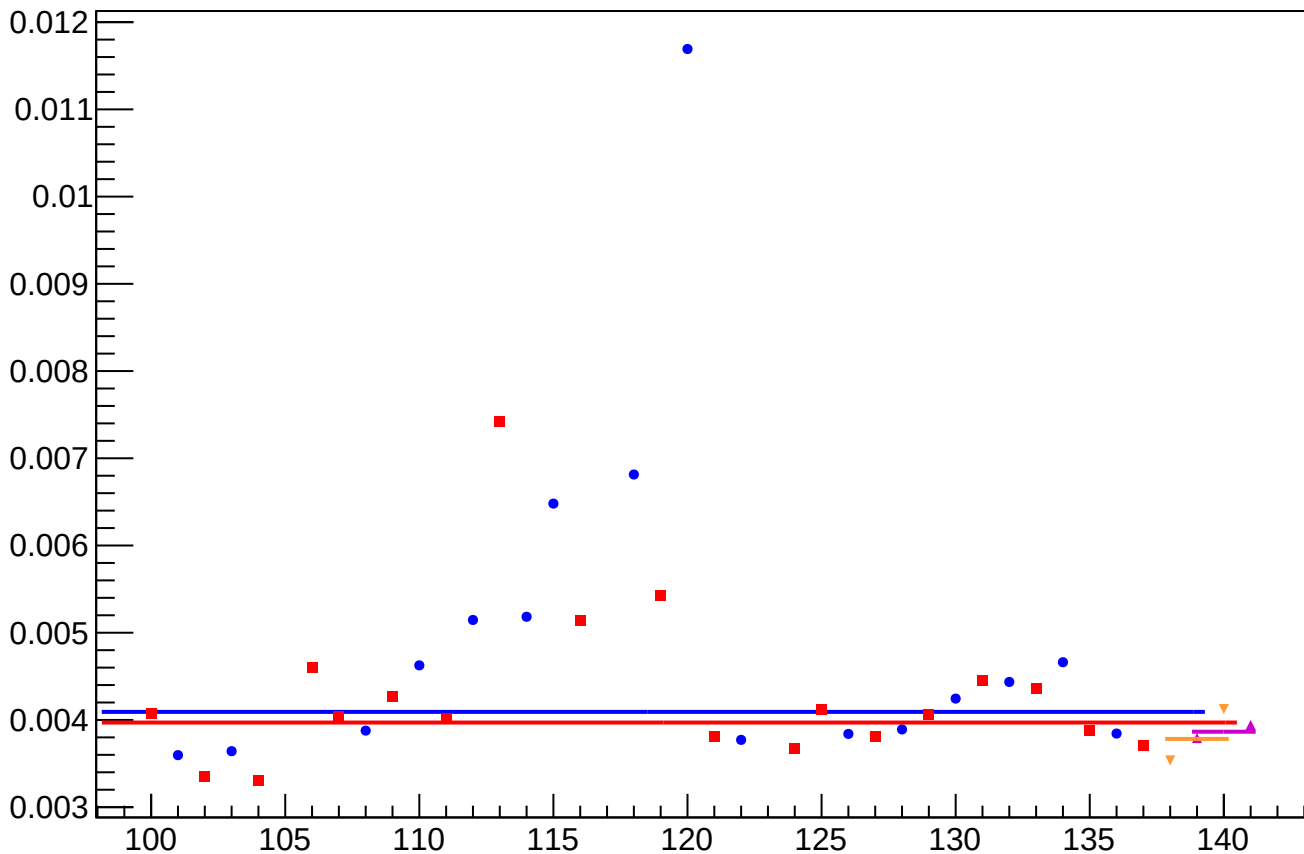
Left In: 0.416 $\pm$ 0.000 χ^2 /NDF:3732023.7/1

+ sign 0.368 $\pm$ 0.000 χ^2 /NDF: 8887465485.9/17

All: 0.359 $\pm$ 0.000 χ^2 /NDF: 21389811269.8/3

- sign 0.351 $\pm$ 0.000 χ^2 /NDF: 12438258252.2/20

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF :12282.6/1

Right Out: 0.004+/-0.000 χ^2/NDF : 313701.1/18

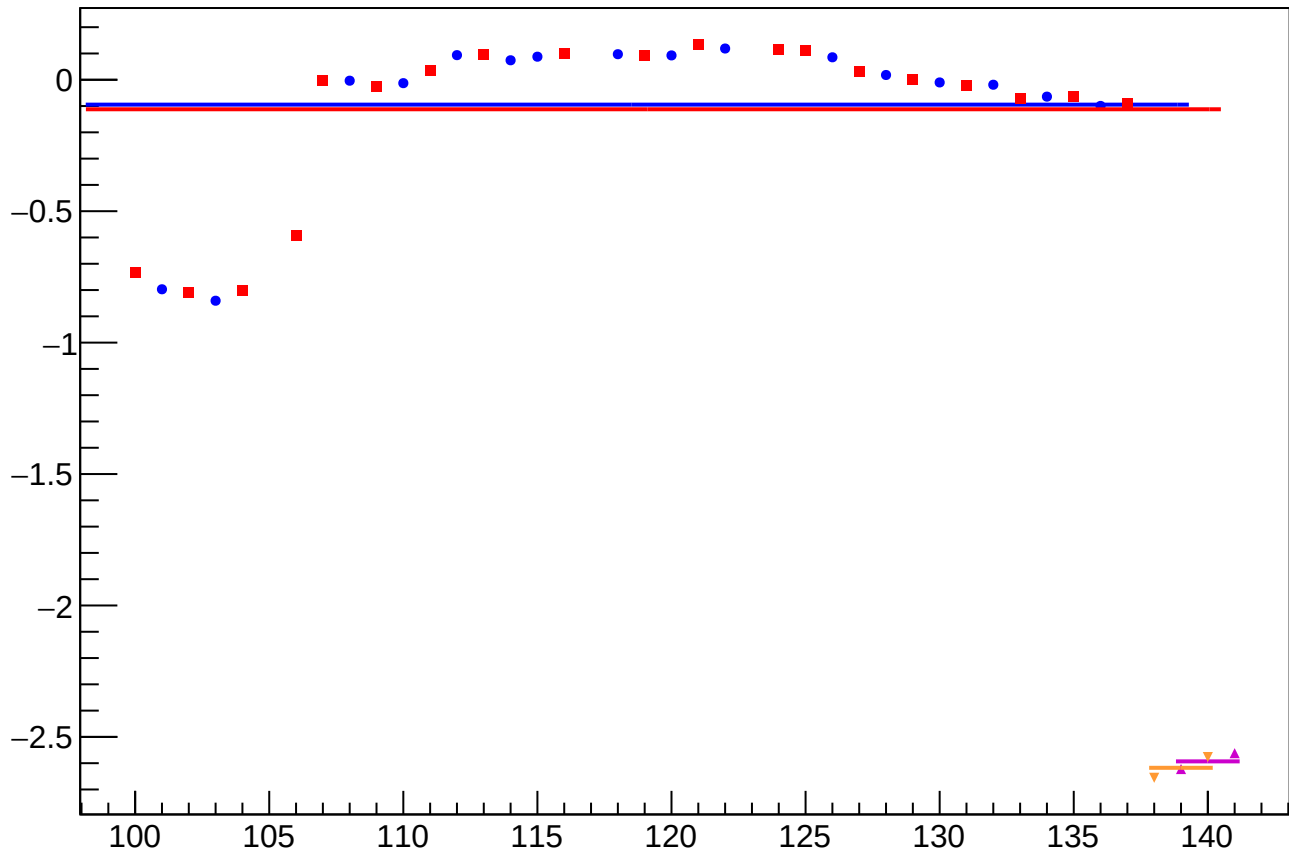
Left In: 0.004+/-0.000 χ^2/NDF :830.2/1

+ sign 0.004+/-0.000 χ^2/NDF : 515693.4/17

All: 0.004+/-0.000 χ^2/NDF : 835051.9/38

- sign 0.004+/-0.000 χ^2/NDF : 315907.3/20

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

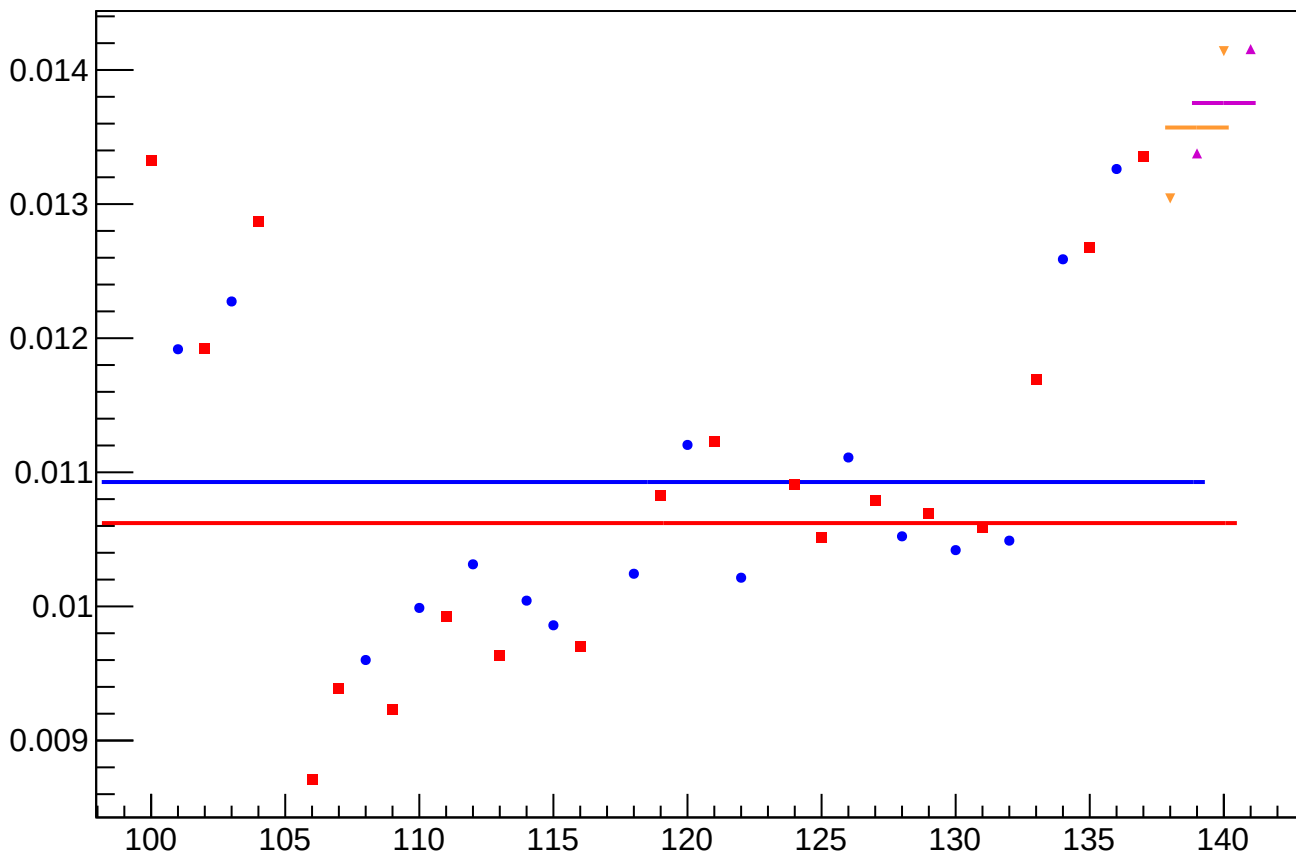
Left In: -2.593+/-0.000 χ^2/NDF :8289410.7/1

+ sign -0.415+/-0.000 χ^2/NDF : 53752394623.7/17

All: -0.416+/-0.000 χ^2/NDF : 109144684622.6

- sign -0.416+/-0.000 χ^2/NDF : 55392281890.9/20

yield_bpm1i02X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 136478.1/15

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:5224.9/1

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 190526.1/18

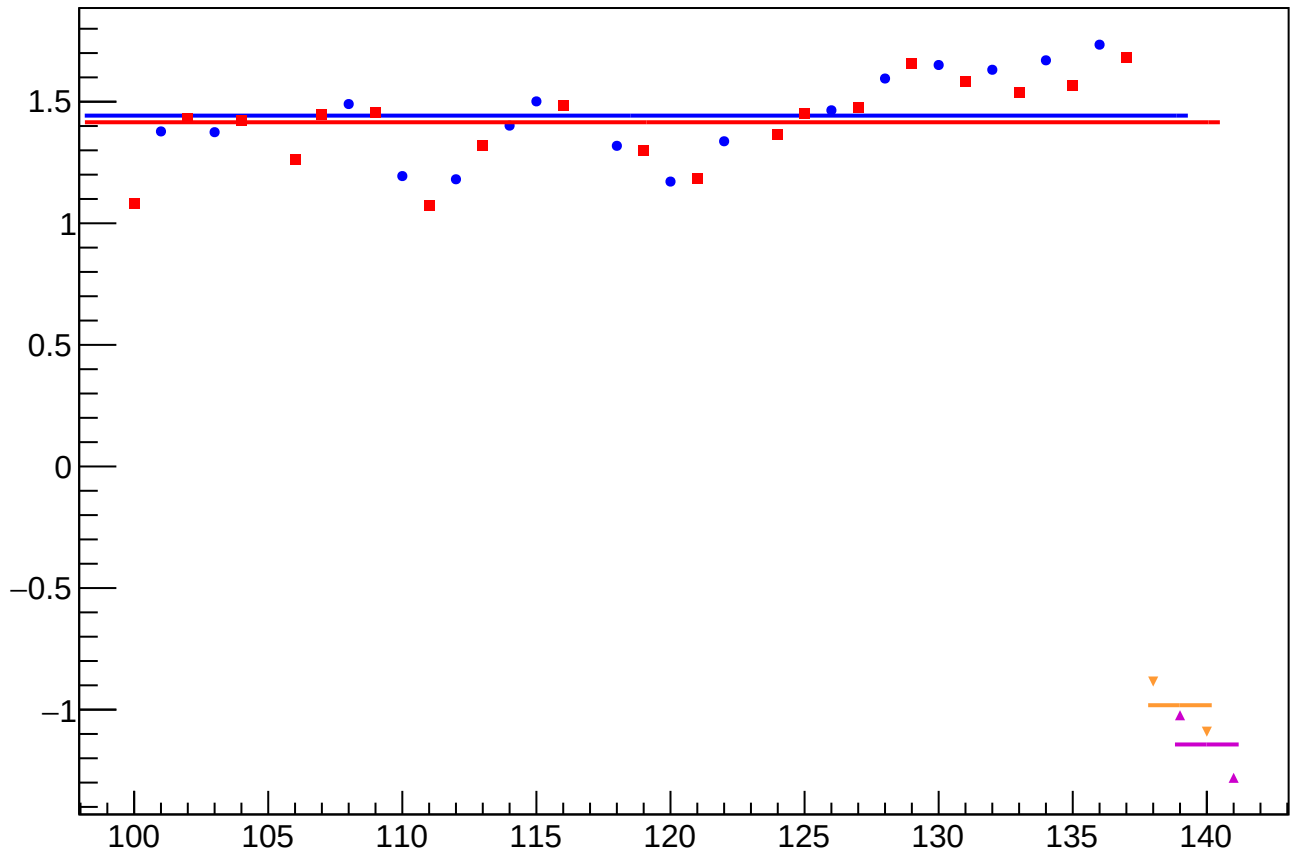
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:2750.6/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 247643.8/17

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 602555.4/38

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 350136.6/20

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

Right Out: 1.415 $\pm$ 0.000 χ^2 /NDF: 2803466123.0/18

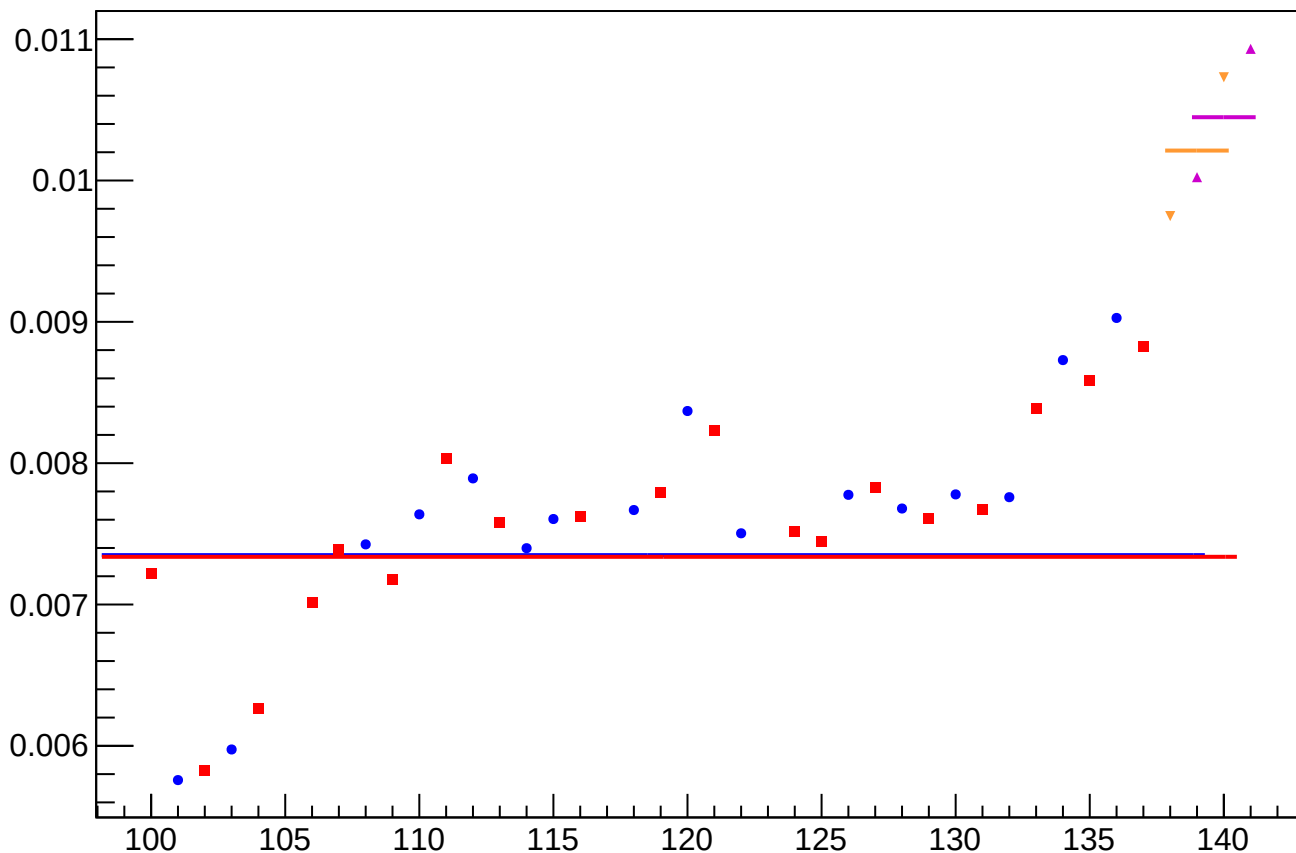
Left In: -1.143 $\pm$ 0.000 χ^2 /NDF: 259988195.2/1

+ sign 1.187 $\pm$ 0.000 χ^2 /NDF: 85165024617.0/17

All: 1.168 $\pm$ 0.000 χ^2 /NDF: 180983550481.6

- sign 1.151 $\pm$ 0.000 χ^2 /NDF: 95723978409.0/20

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF : 7430.5/1

Right Out: 0.007+/-0.000 χ^2/NDF : 195372.6/18

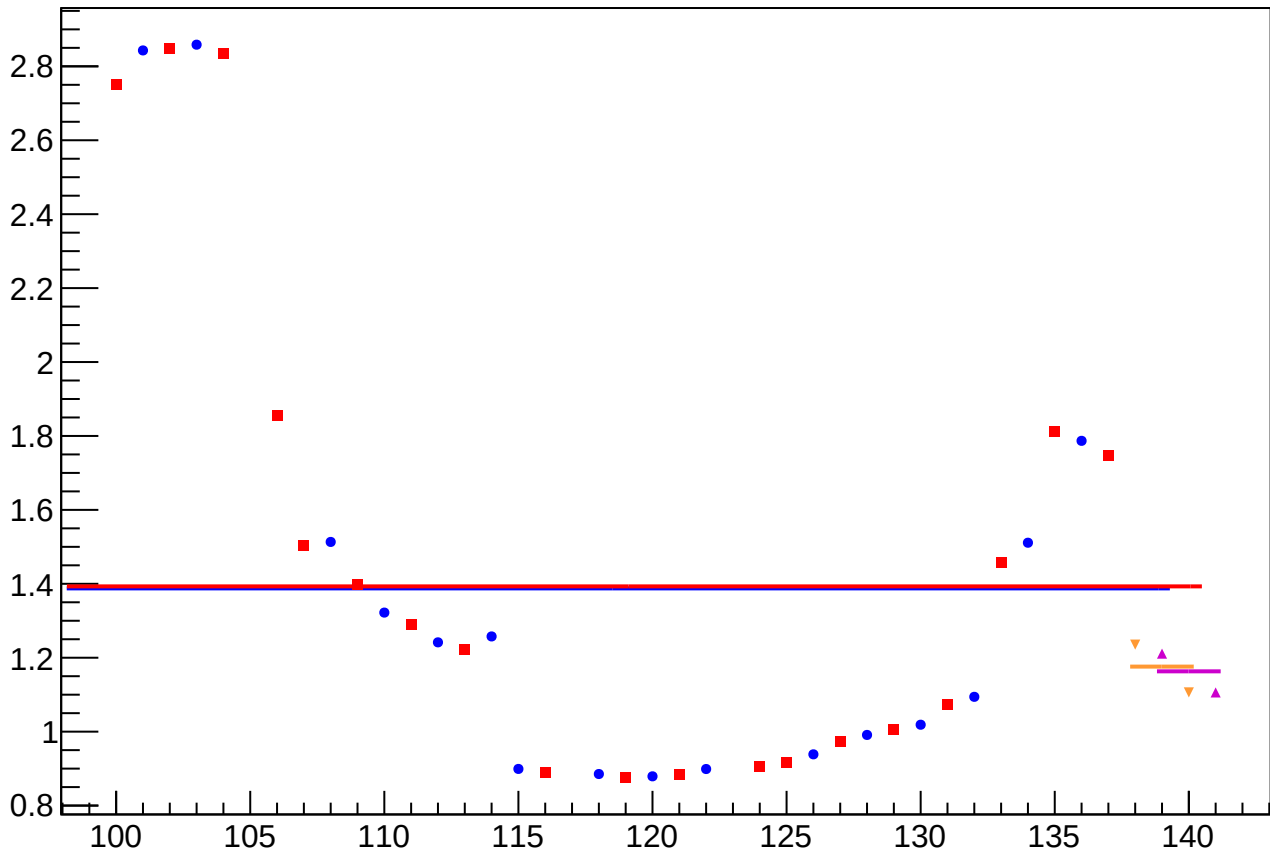
Left In: 0.010+/-0.000 χ^2/NDF : 6478.5/1

+ sign 0.008+/-0.000 χ^2/NDF : 504831.0/17

All: 0.008+/-0.000 χ^2/NDF : 980528.5/38

- sign 0.008+/-0.000 χ^2/NDF : 475689.8/20

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

Right Out: 1.393+/-0.000 χ^2/NDF : 55365724659.7/18

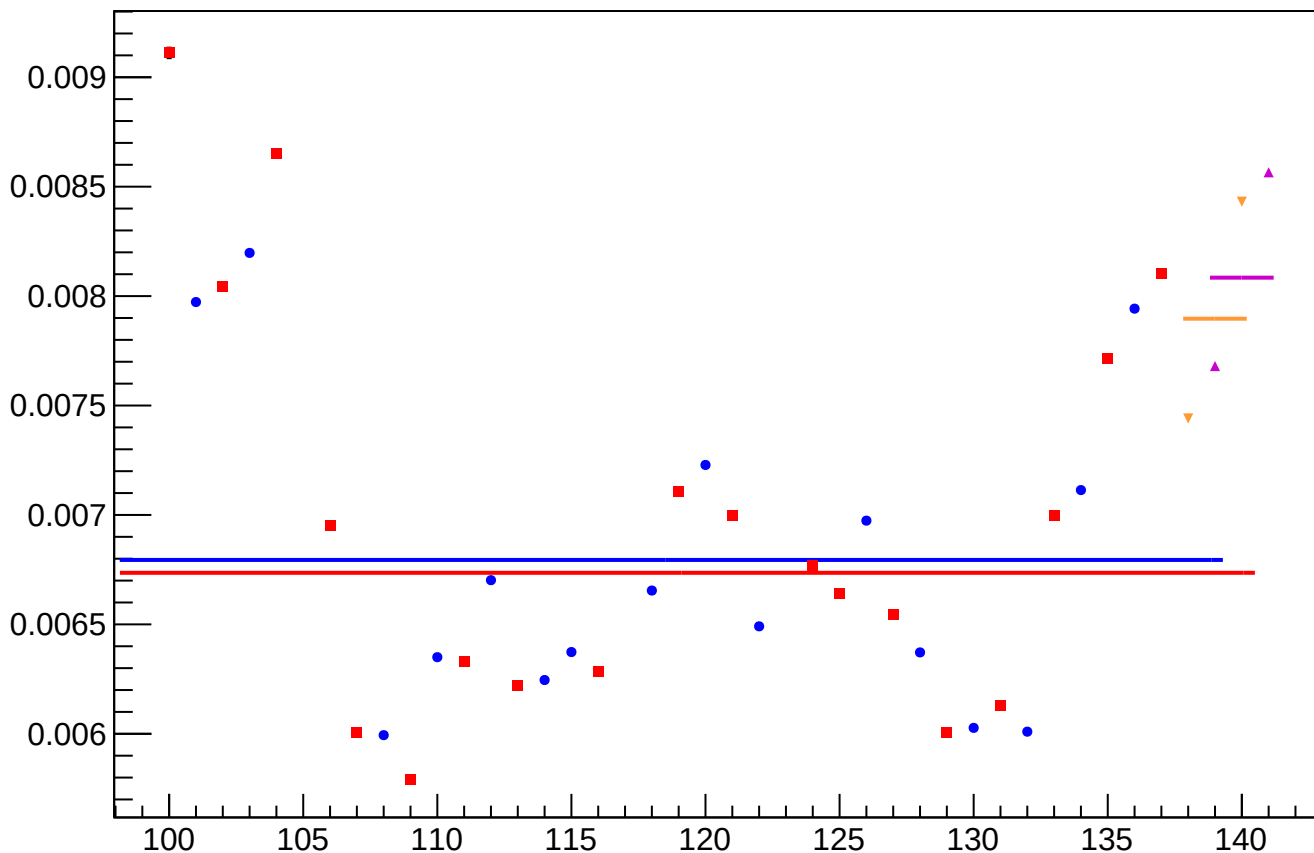
Left In: 1.163+/-0.000 χ^2/NDF : 71387004.8/1

+ sign 1.357+/-0.000 χ^2/NDF : 59699262242.4/17

All: 1.359+/-0.000 χ^2/NDF : 116326092881.7

- sign 1.361+/-0.000 χ^2/NDF : 56625591908.8/20

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

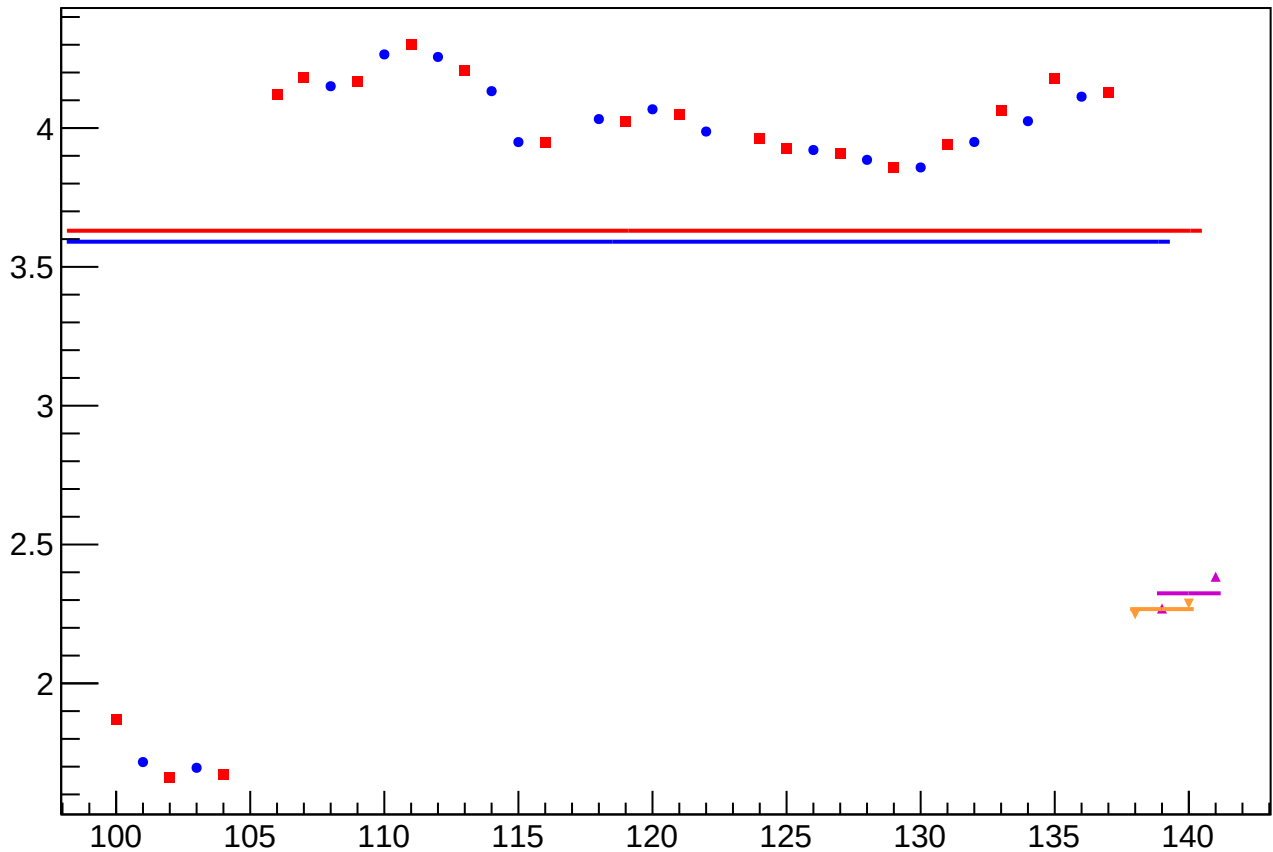
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:10156.6/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 230136.4/17

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 520757.0/38

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 290470.7/20

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF : 202184644473.7/15

Left Out: 2.267+/-0.000 χ^2/NDF :11241449.3/1

Right Out: 3.630+/-0.000 χ^2/NDF : 212588390342.3/18

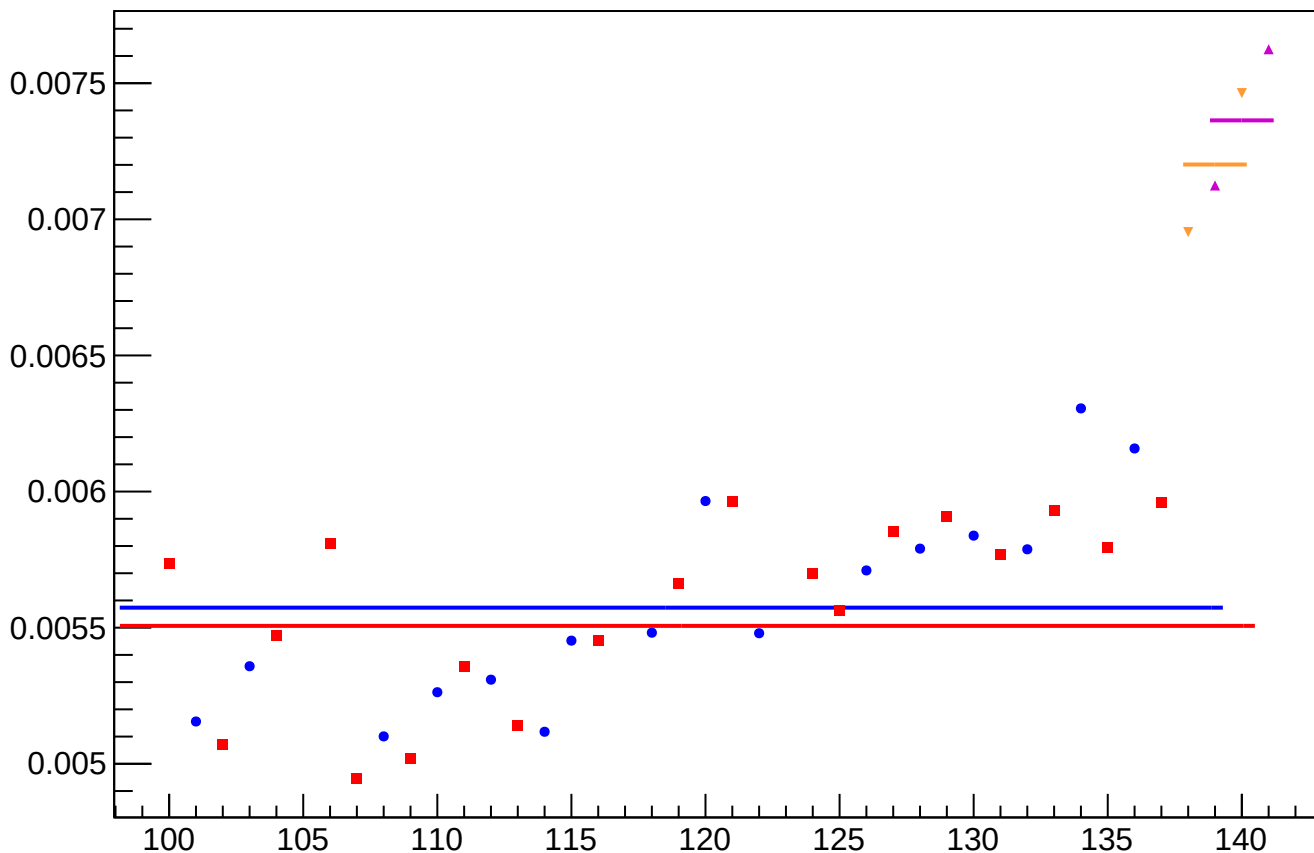
Left In: 2.324+/-0.000 χ^2/NDF :103716002.6/1

+ sign 3.435+/-0.000 χ^2/NDF : 249824835592.4/17

All: 3.457+/-0.000 χ^2/NDF : 510566046517.3

- sign 3.478+/-0.000 χ^2/NDF : 260489117450.6/20

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 59130.1/15

Left Out: 0.007+/-0.000 χ^2/NDF : 4013.3/1

Right Out: 0.006+/-0.000 χ^2/NDF : 57427.9/18

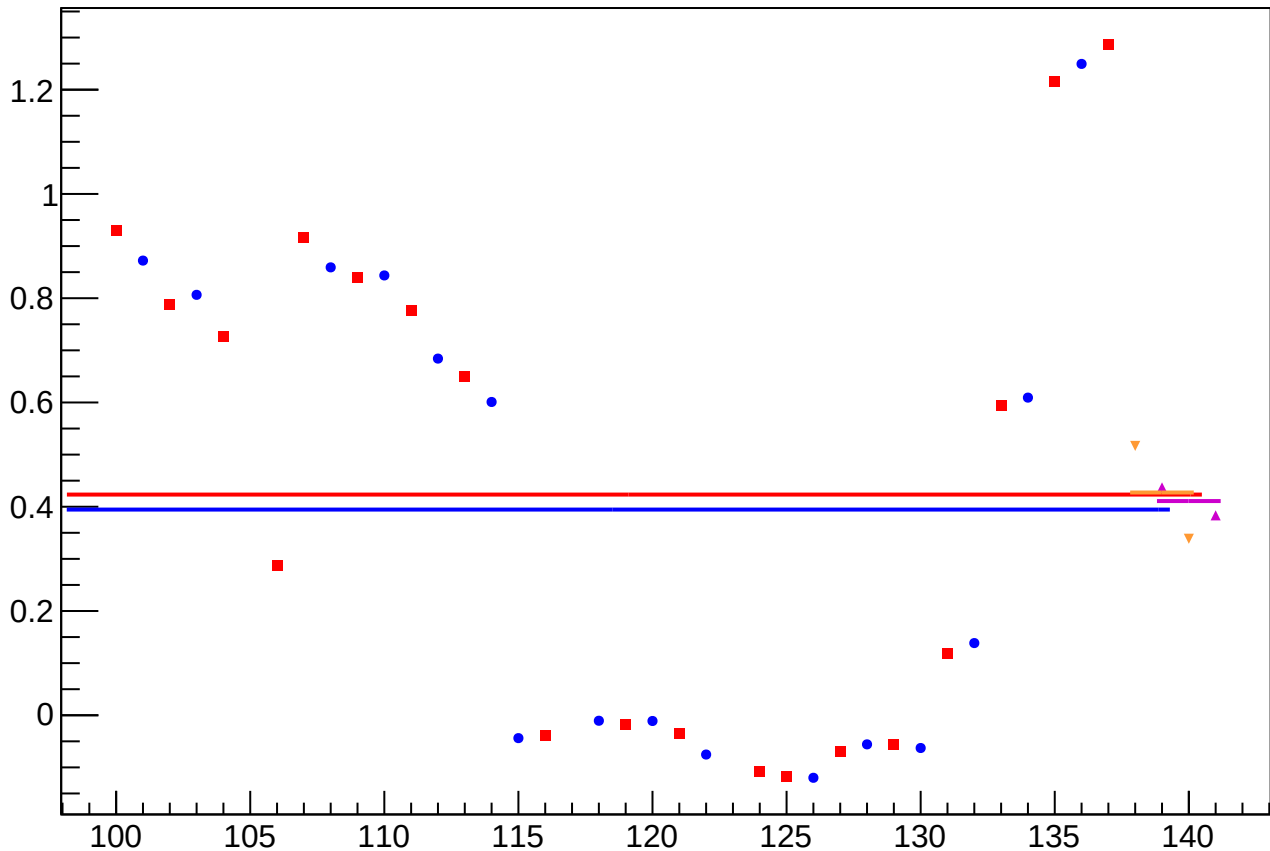
Left In: 0.007+/-0.000 χ^2/NDF : 3964.2/1

+ sign 0.006+/-0.000 χ^2/NDF : 207287.0/17

All: 0.006+/-0.000 χ^2/NDF : 462422.7/38

- sign 0.006+/-0.000 χ^2/NDF : 254649.5/20

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

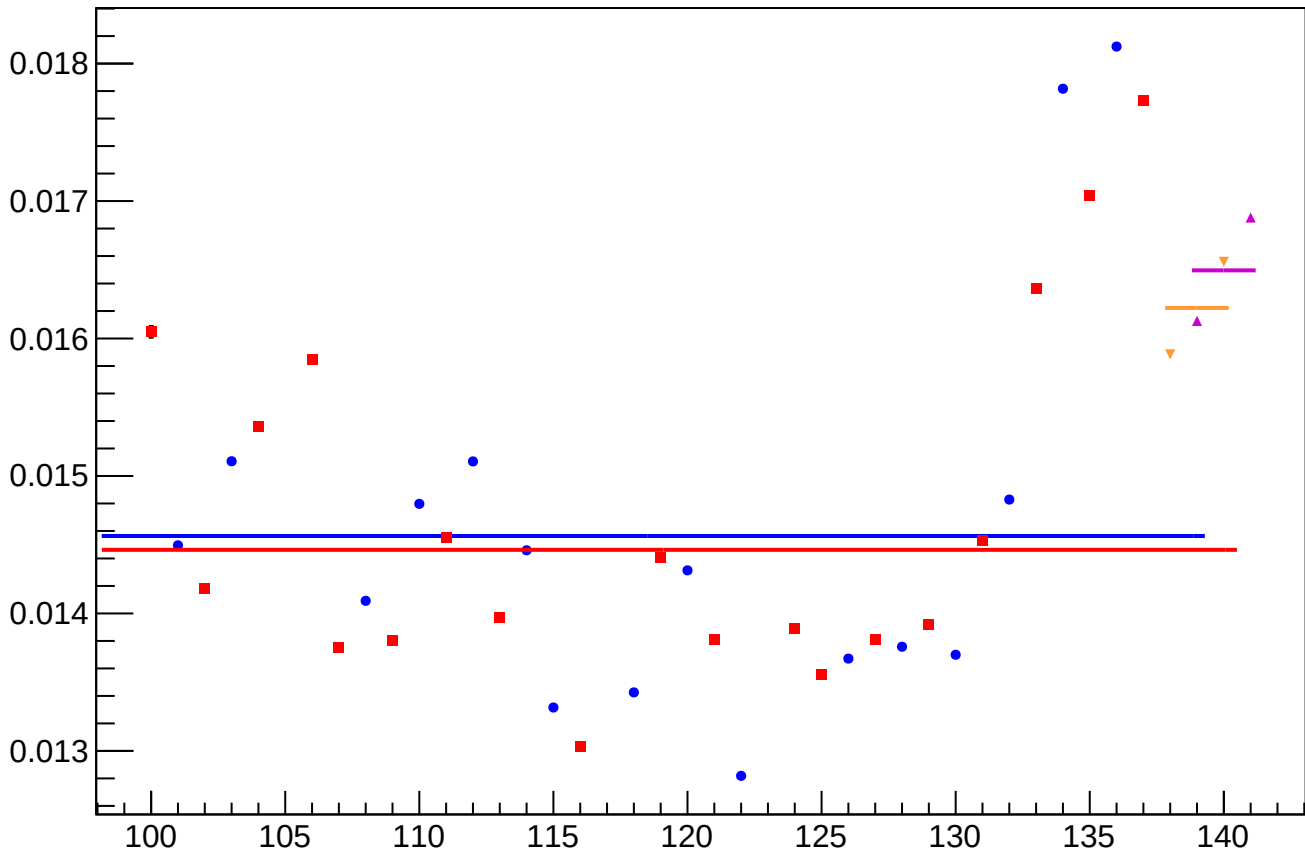
Left In: 0.411+/-0.000 χ^2/NDF : 4543503.4/1

+ sign 0.400+/-0.000 χ^2/NDF : 7466078857.9/17

All: 0.411+/-0.000 χ^2/NDF : 14385123132.2/3

- sign 0.421+/-0.000 χ^2/NDF : 6909429403.0/20

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF :1372.8/1

Right Out: 0.014+/-0.000 χ^2/NDF : 77396.3/18

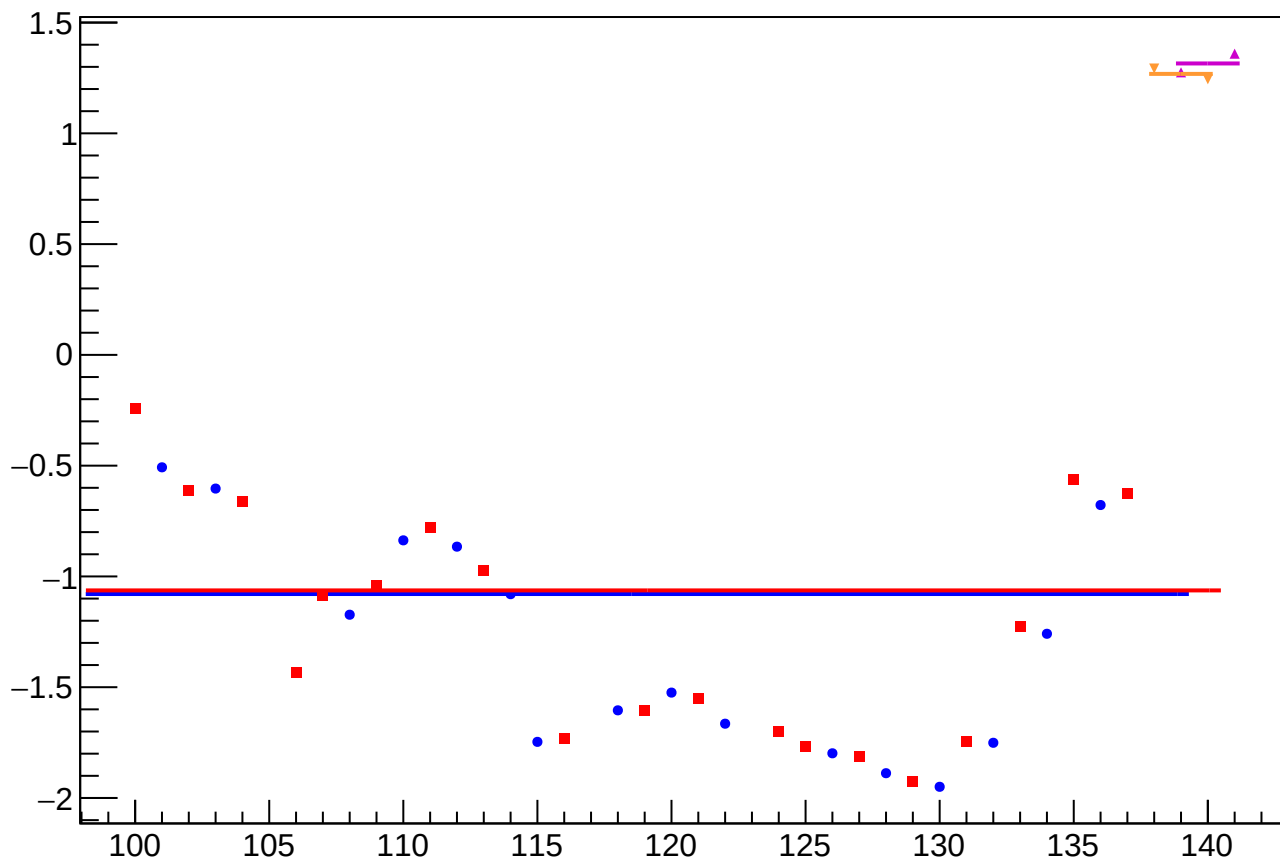
Left In: 0.016+/-0.000 χ^2/NDF :1786.1/1

+ sign 0.015+/-0.000 χ^2/NDF : 162740.4/17

All: 0.015+/-0.000 χ^2/NDF : 286200.5/38

- sign 0.015+/-0.000 χ^2/NDF : 123385.9/20

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF : 59756571764.5/15

Left Out: 1.268+/-0.000 χ^2/NDF : 55140468.7/1

Right Out: -1.063+/-0.000 χ^2/NDF : 49910403943.5/18

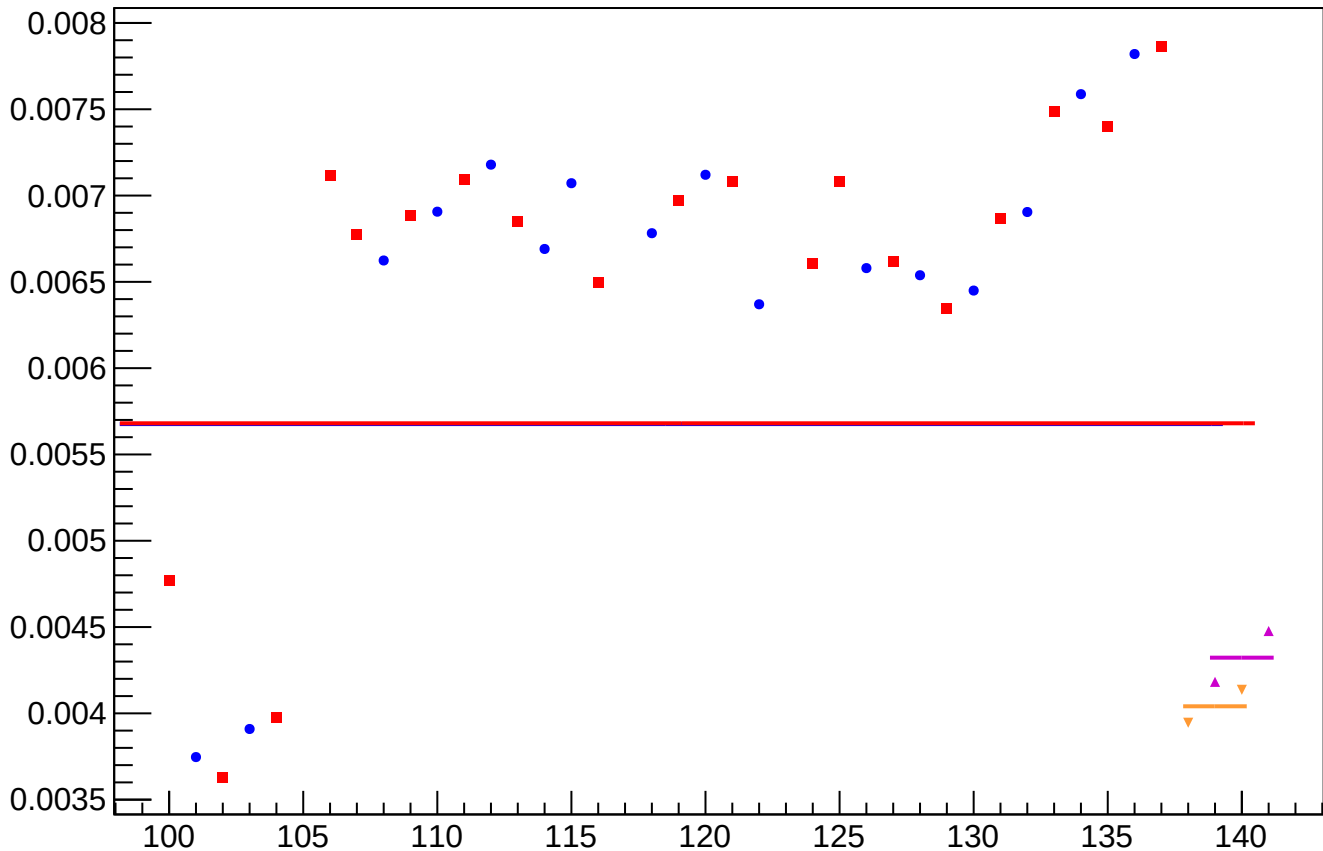
Left In: 1.315+/-0.000 χ^2/NDF : 154337492.0/1

+ sign -0.322+/-0.000 χ^2/NDF : 411391505957.3/17

All: -0.331+/-0.000 χ^2/NDF : 805211593928.2

- sign -0.340+/-0.000 χ^2/NDF : 393771531795.5/20

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF : 1715.2/1

Right Out: 0.006+/-0.000 χ^2/NDF : 980583.9/18

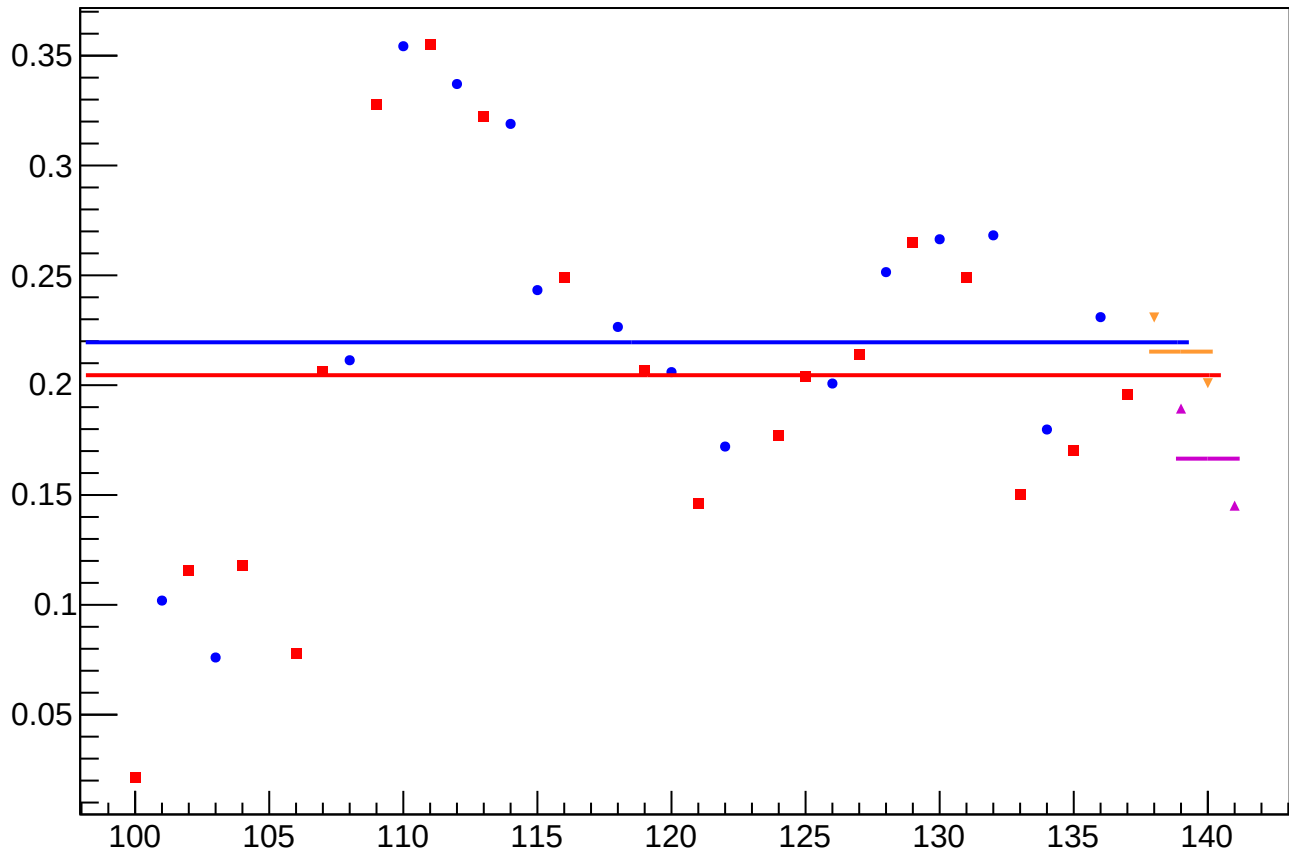
Left In: 0.004+/-0.000 χ^2/NDF : 3775.8/1

+ sign 0.005+/-0.000 χ^2/NDF : 1287648.9/17

All: 0.005+/-0.000 χ^2/NDF : 2500213.8/38

- sign 0.005+/-0.000 χ^2/NDF : 1208432.7/20

yield_bpm2i01X_mean vs Slug



Right In: 0.220 ± 0.000 χ^2/NDF : 16729743257.8/15

Left Out: 0.215 ± 0.000 χ^2/NDF : 180635217.1/1

Right Out: 0.205 ± 0.000 χ^2/NDF : 22312377506.1/18

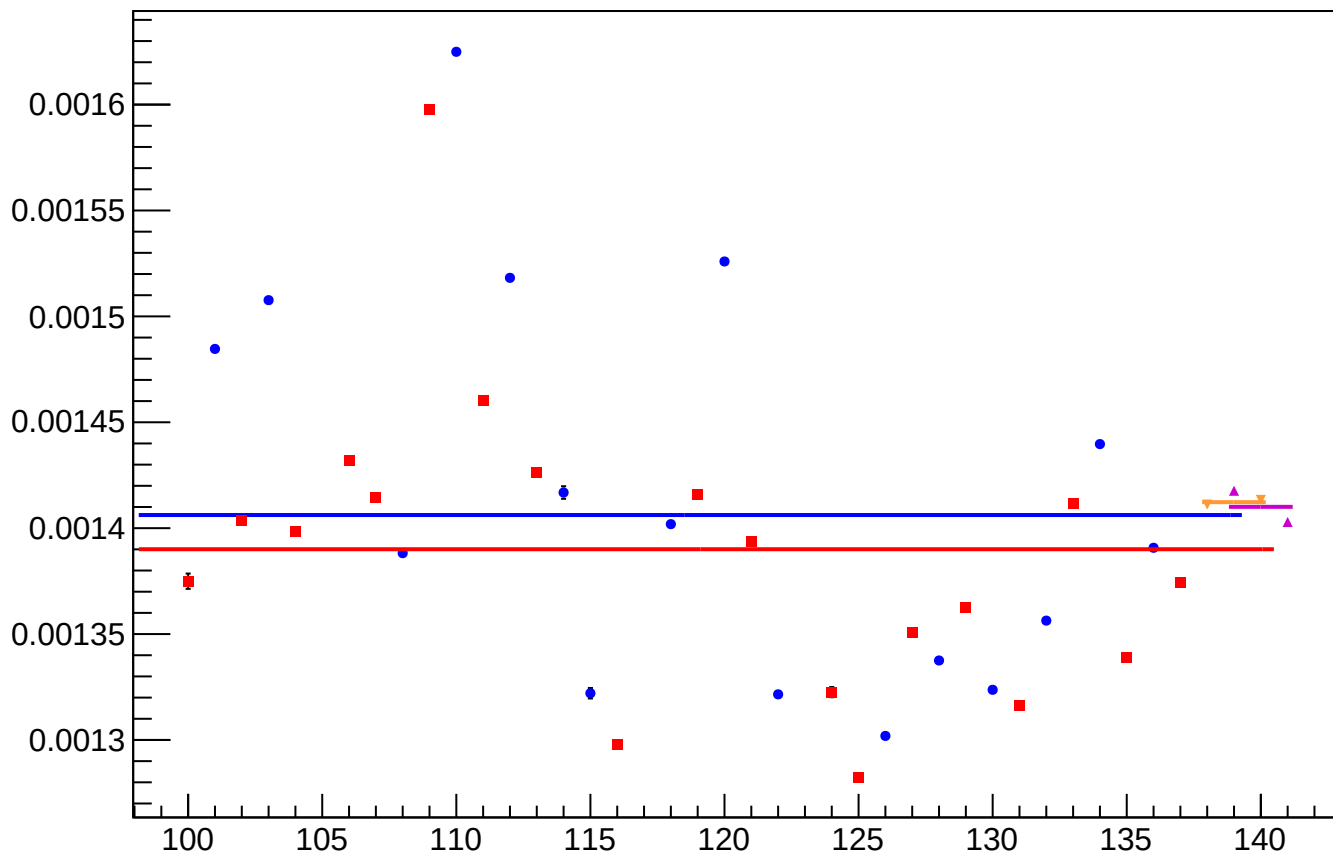
Left In: 0.167 ± 0.000 χ^2/NDF : 421950548.6/1

+ sign 0.219 ± 0.000 χ^2/NDF : 16922210126.0/17

All: 0.208 ± 0.000 χ^2/NDF : 41683977767.5/3

- sign 0.197 ± 0.000 χ^2/NDF : 23750762147.8/20

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 2.0/1

Right Out: 0.001+/-0.000 χ^2/NDF : 34786.9/18

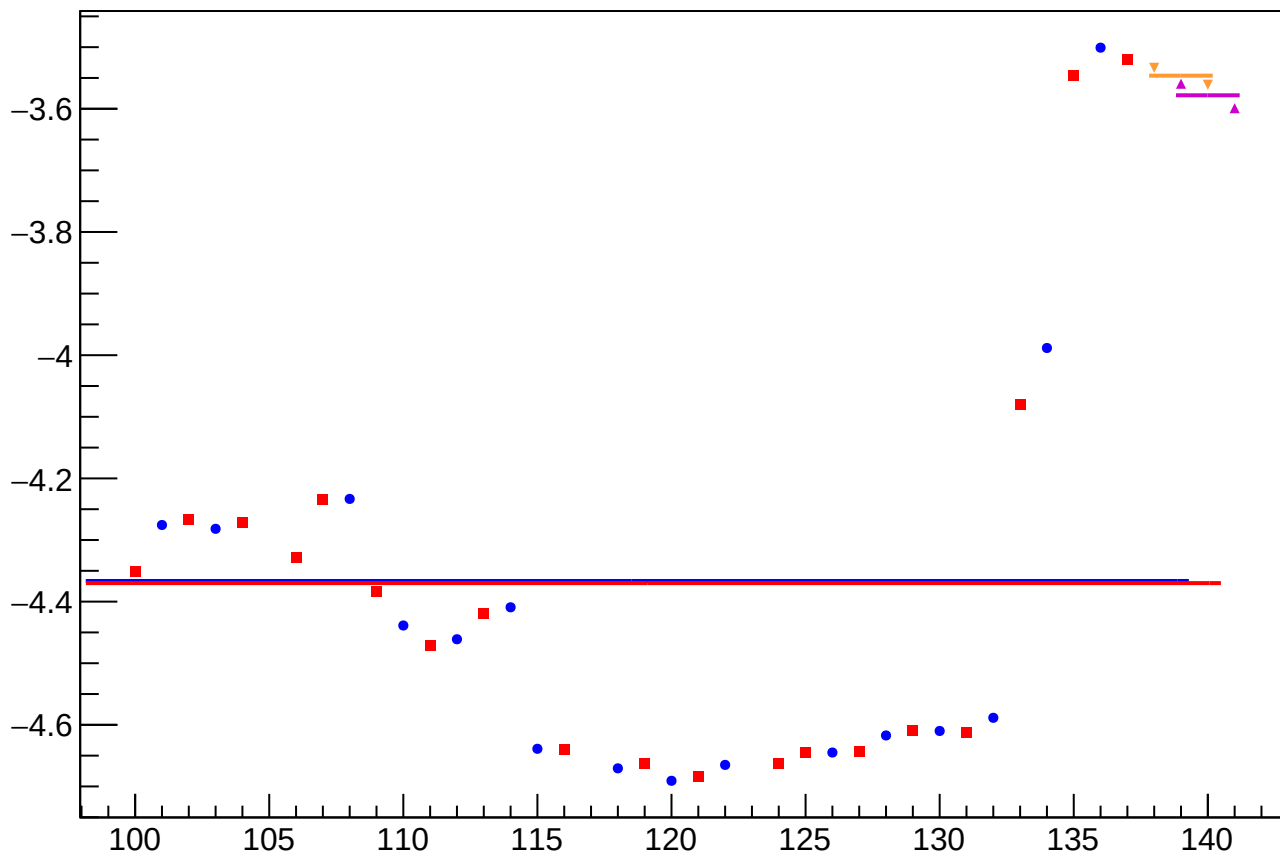
Left In: 0.001+/-0.000 χ^2/NDF : 94.0/1

+ sign 0.001+/-0.000 χ^2/NDF : 48251.3/17

All: 0.001+/-0.000 χ^2/NDF : 84522.0/38

- sign 0.001+/-0.000 χ^2/NDF : 35445.3/20

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

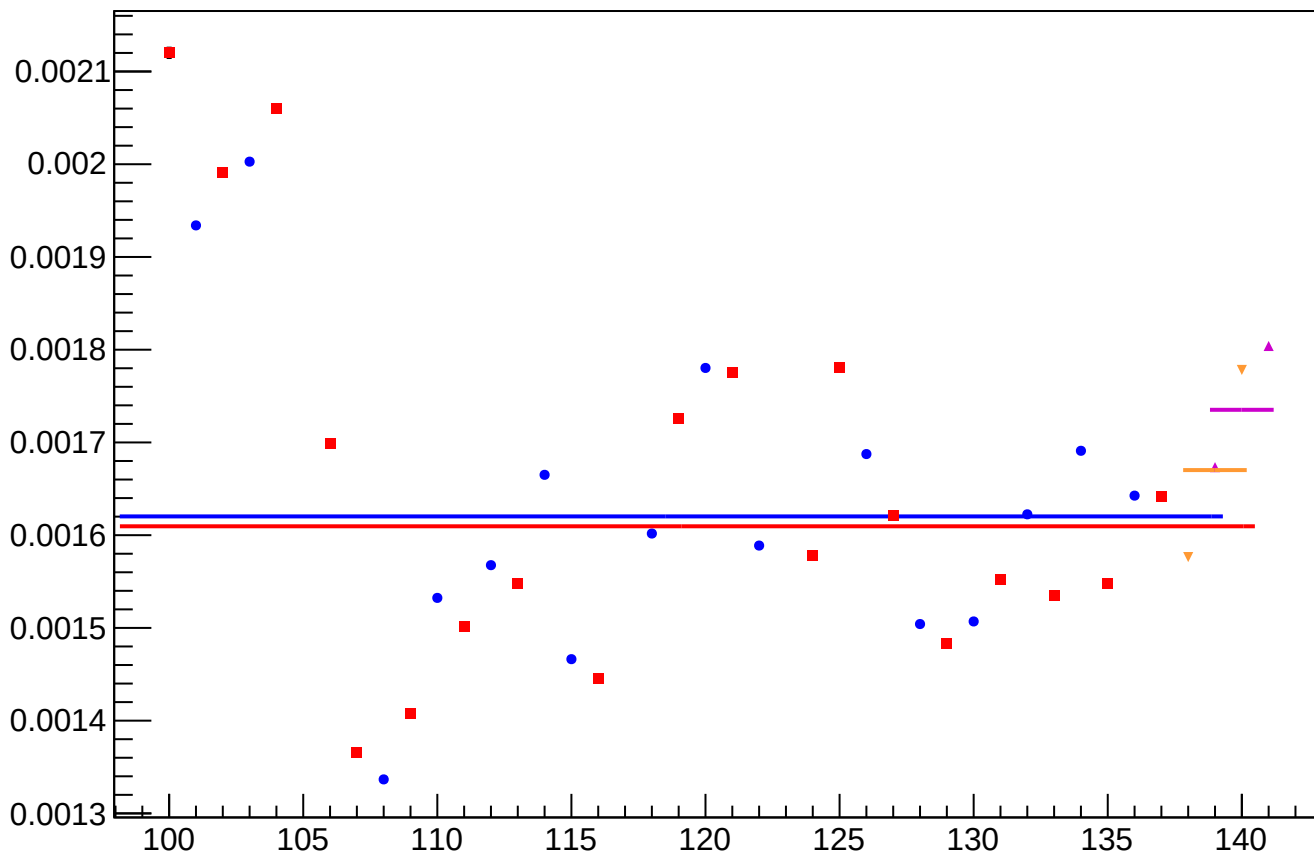
Left In: -3.578+/-0.000 χ^2 /NDF: 216958793.5/1

+ sign -4.226+/-0.000 χ^2 /NDF: 655915610801.2/17

All: -4.232+/-0.000 χ^2 /NDF: 1240303131169

- sign -4.238+/-0.000 χ^2 /NDF: 584149621234.8/20

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

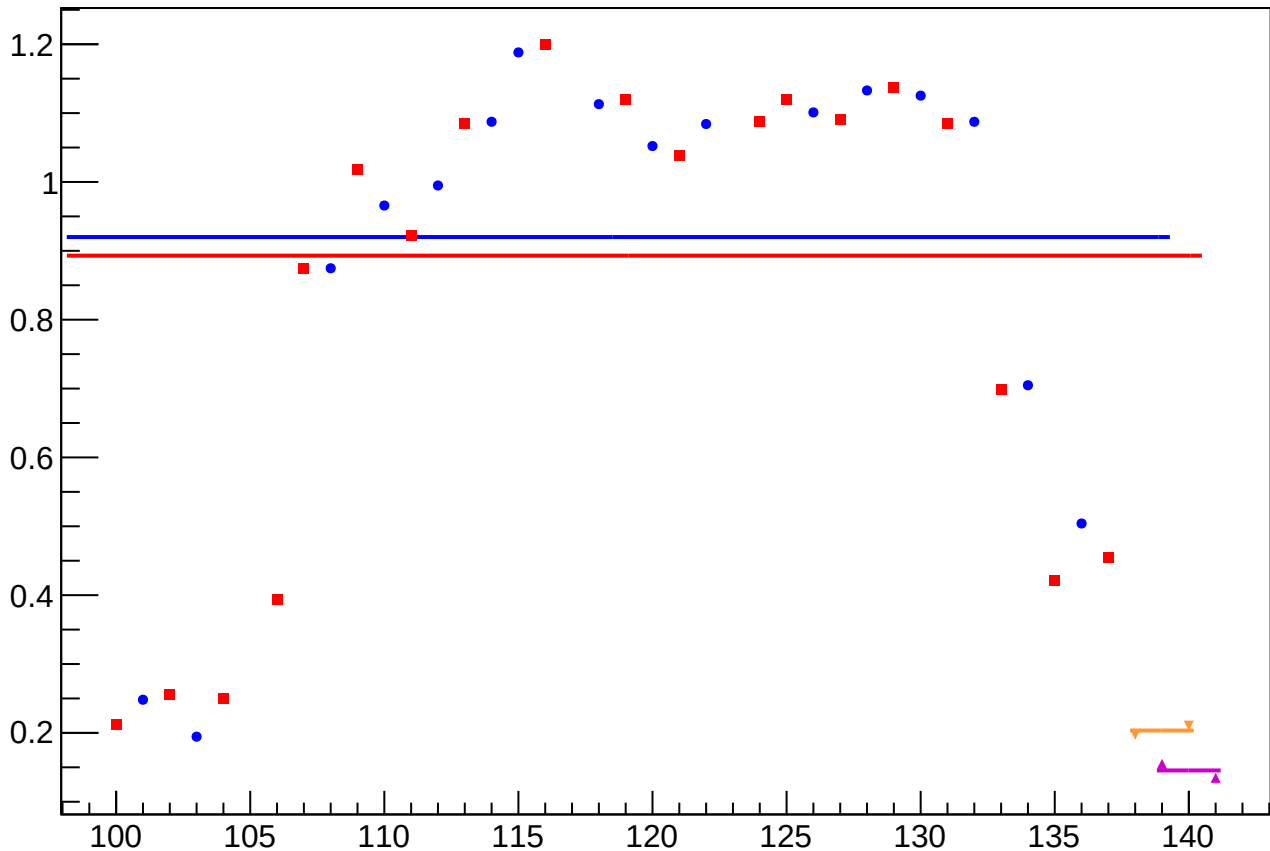
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:4689.7/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 153472.6/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 357625.6/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 204143.3/20

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

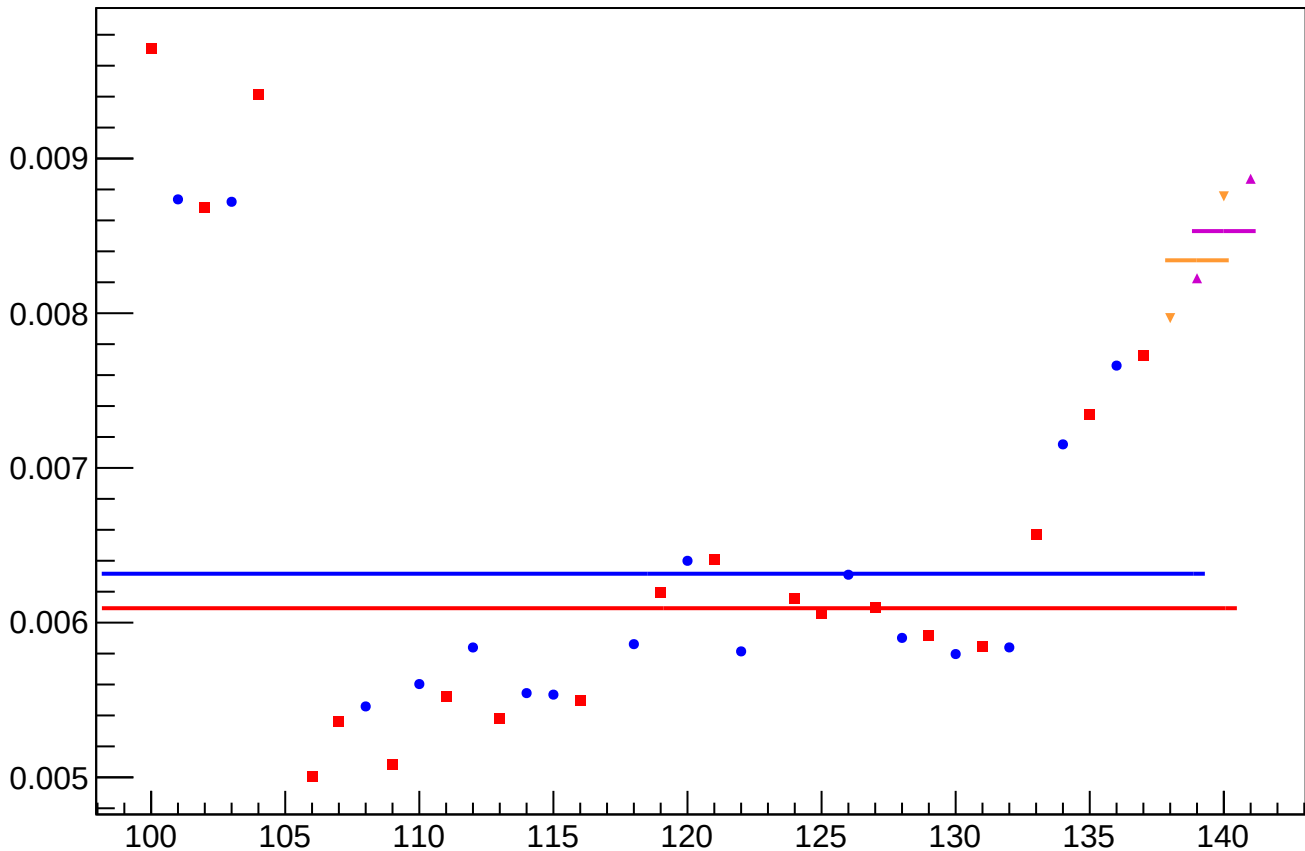
Left In: 0.145 $\pm$ 0.000 χ^2 /NDF:2427884.8/1

+ sign 0.837 $\pm$ 0.000 χ^2 /NDF: 24985813150.7/17

All: 0.824 $\pm$ 0.000 χ^2 /NDF: 54486403839.2/3

- sign 0.812 $\pm$ 0.000 χ^2 /NDF: 29435436124.0/20

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF : 7089.3/1

Right Out: 0.006+/-0.000 χ^2/NDF : 435933.6/18

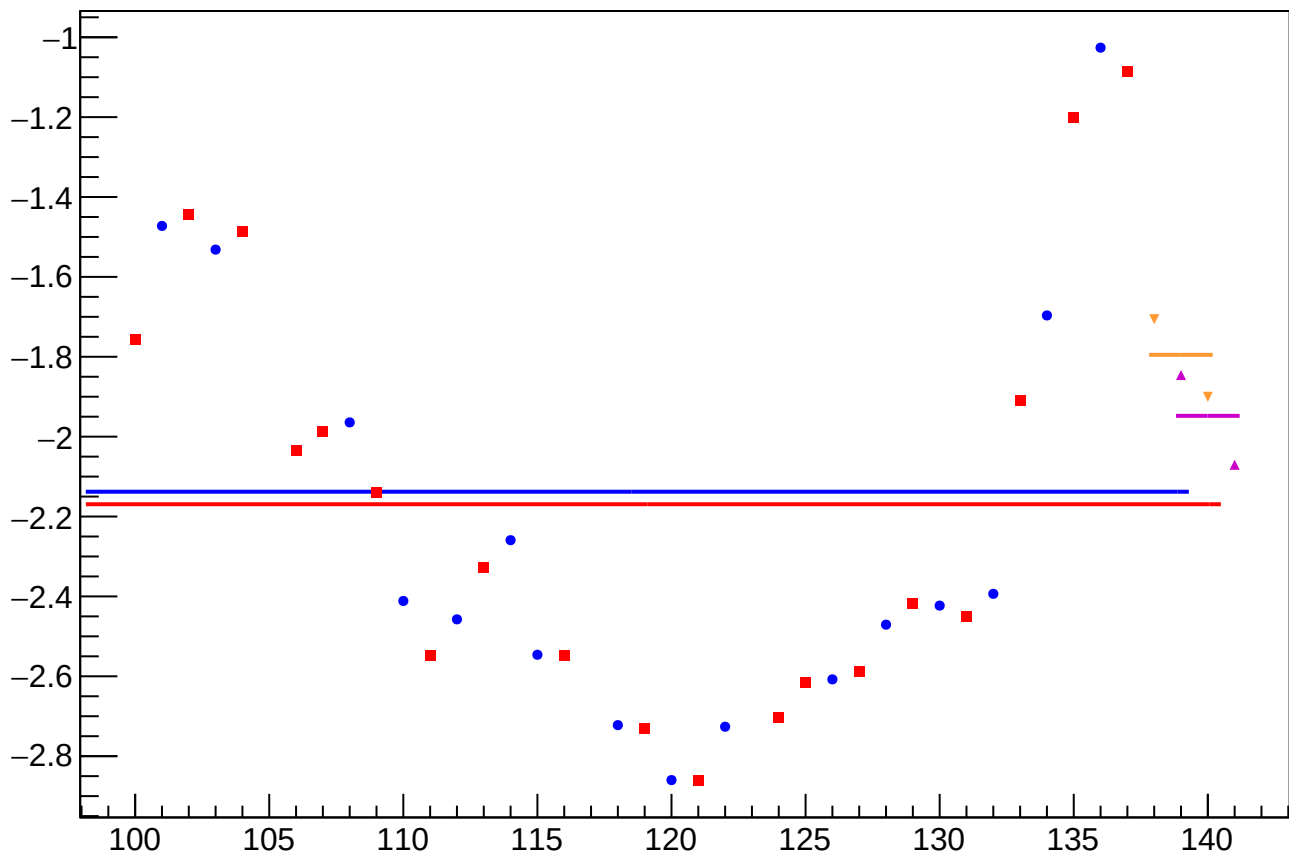
Left In: 0.009+/-0.000 χ^2/NDF : 4877.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 509381.5/17

All: 0.006+/-0.000 χ^2/NDF : 1208749.0/38

- sign 0.006+/-0.000 χ^2/NDF : 691562.6/20

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

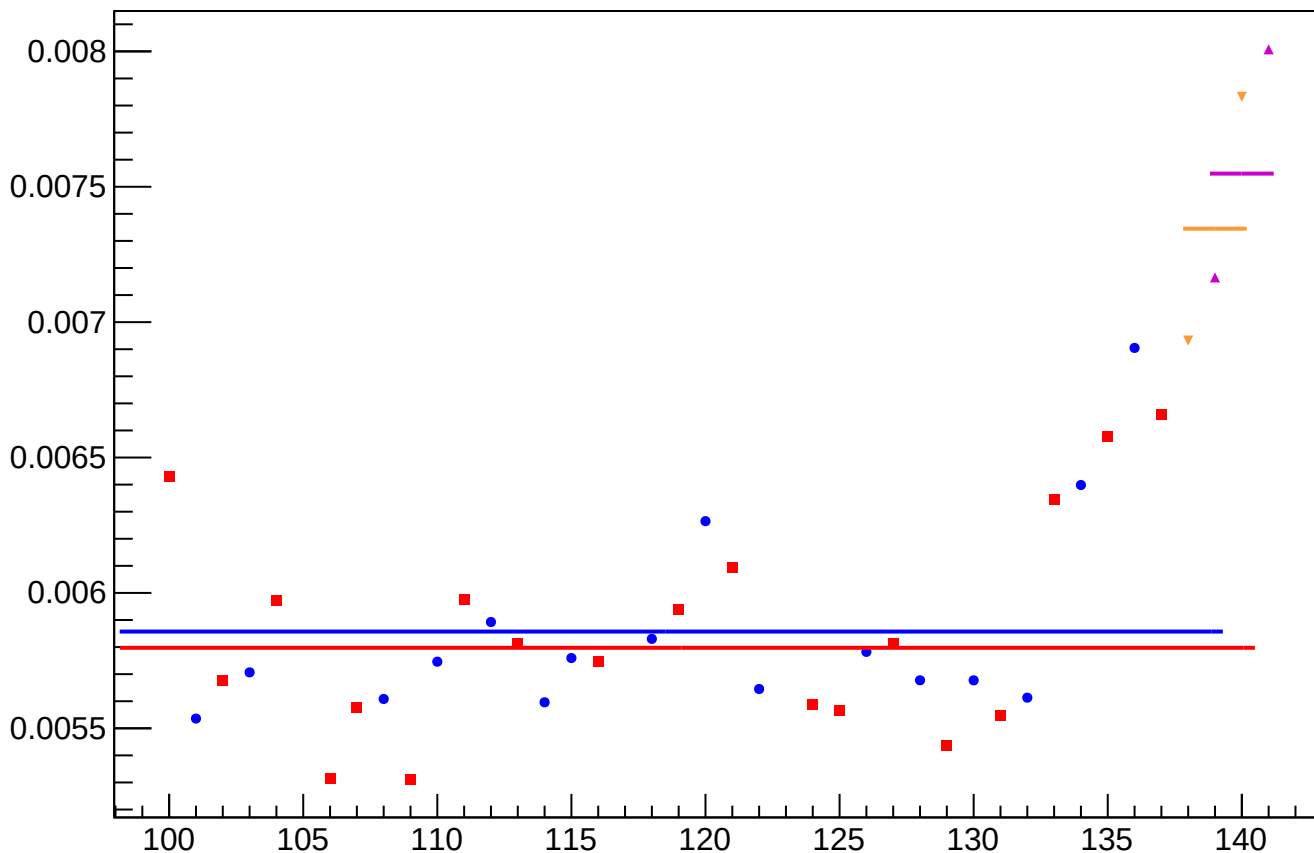
Left In: -1.948+/-0.000 χ^2/NDF : 377915028.2/1

+ sign -2.095+/-0.000 χ^2/NDF : 69016008463.3/17

All: -2.120+/-0.000 χ^2/NDF : 128383490388.4

- sign -2.143+/-0.000 χ^2/NDF : 59089387593.0/20

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

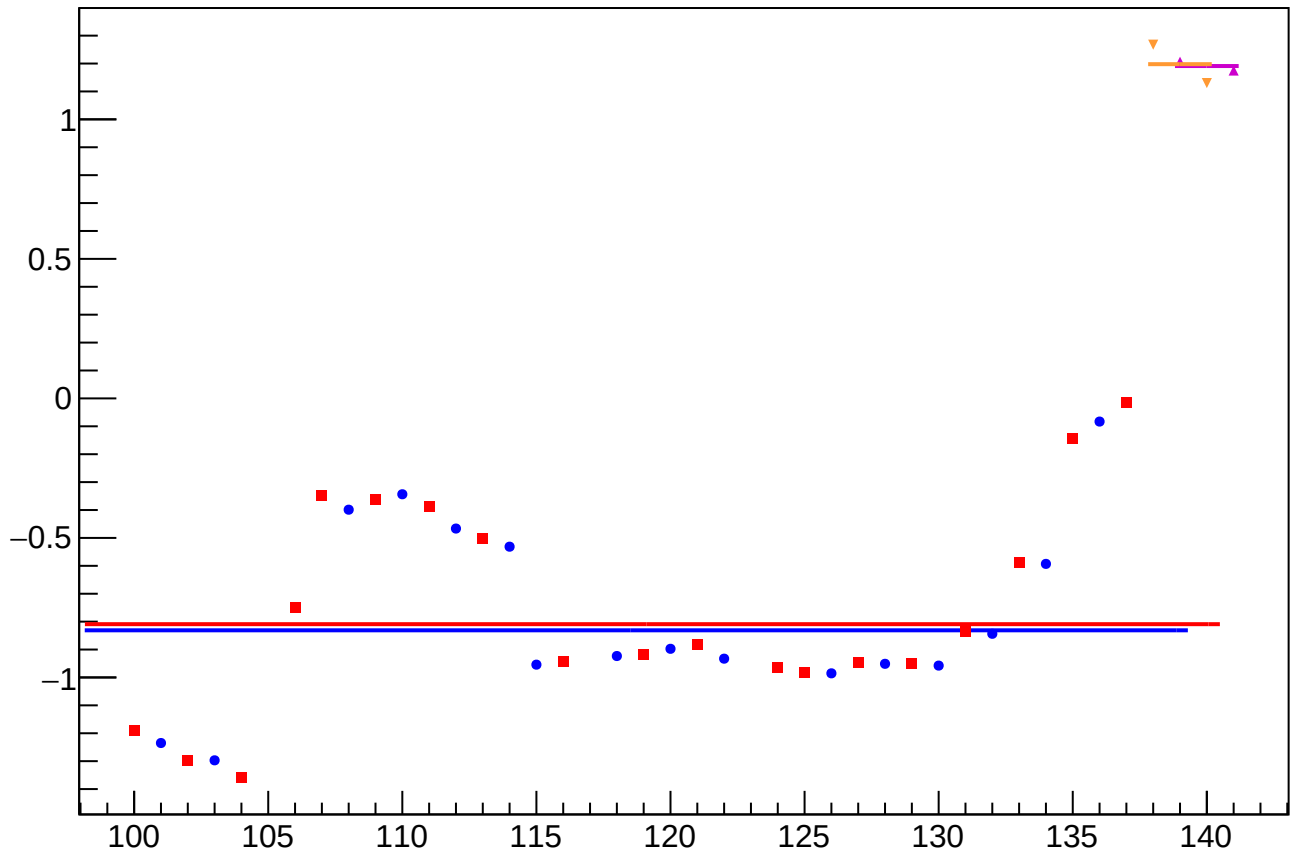
Left In: 0.008+/-0.000 χ^2/NDF : 10629.9/1

+ sign 0.006+/-0.000 χ^2/NDF : 189674.5/17

All: 0.006+/-0.000 χ^2/NDF : 420040.2/38

- sign 0.006+/-0.000 χ^2/NDF : 230056.2/20

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

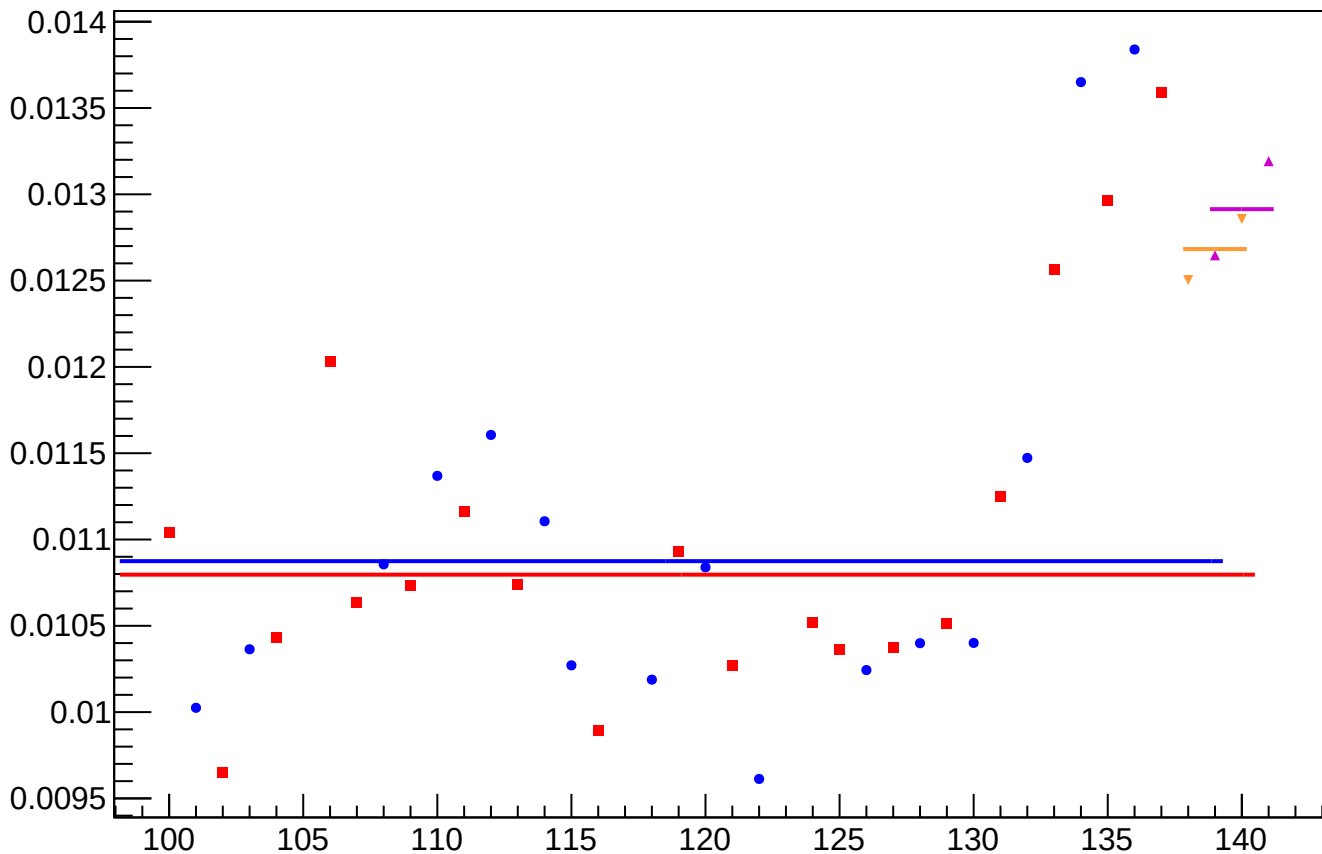
Left In: 1.191+/-0.000 χ^2/NDF : 2582653.9/1

+ sign -0.541+/-0.000 χ^2/NDF : 42230427344.0/17

All: -0.532+/-0.000 χ^2/NDF : 85745365464.2/20

- sign -0.524+/-0.000 χ^2/NDF : 43505252891.8/20

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF : 621.3/1

Right Out: 0.011+/-0.000 χ^2/NDF : 99122.1/18

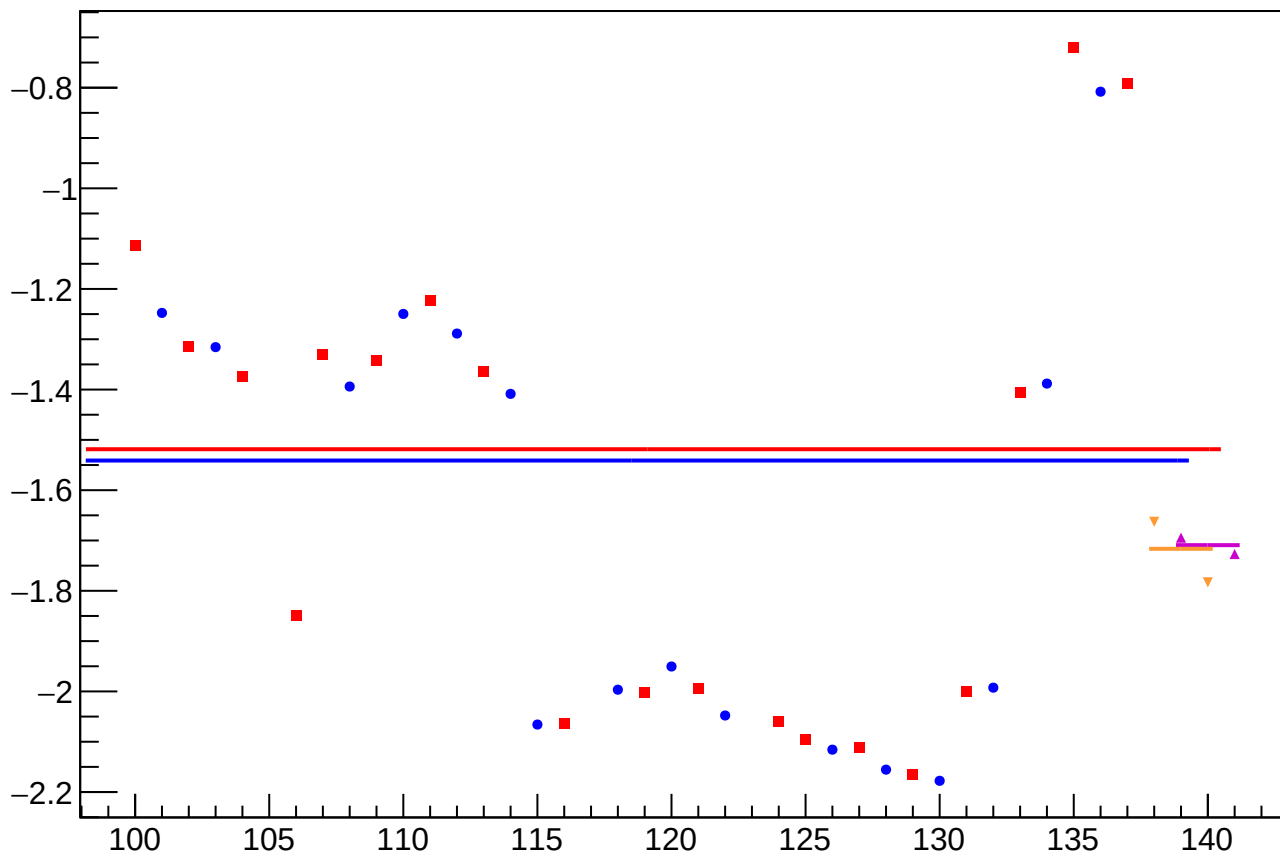
Left In: 0.013+/-0.000 χ^2/NDF : 1531.0/1

+ sign 0.011+/-0.000 χ^2/NDF : 213946.4/17

All: 0.011+/-0.000 χ^2/NDF : 393950.5/38

- sign 0.011+/-0.000 χ^2/NDF : 179915.1/20

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

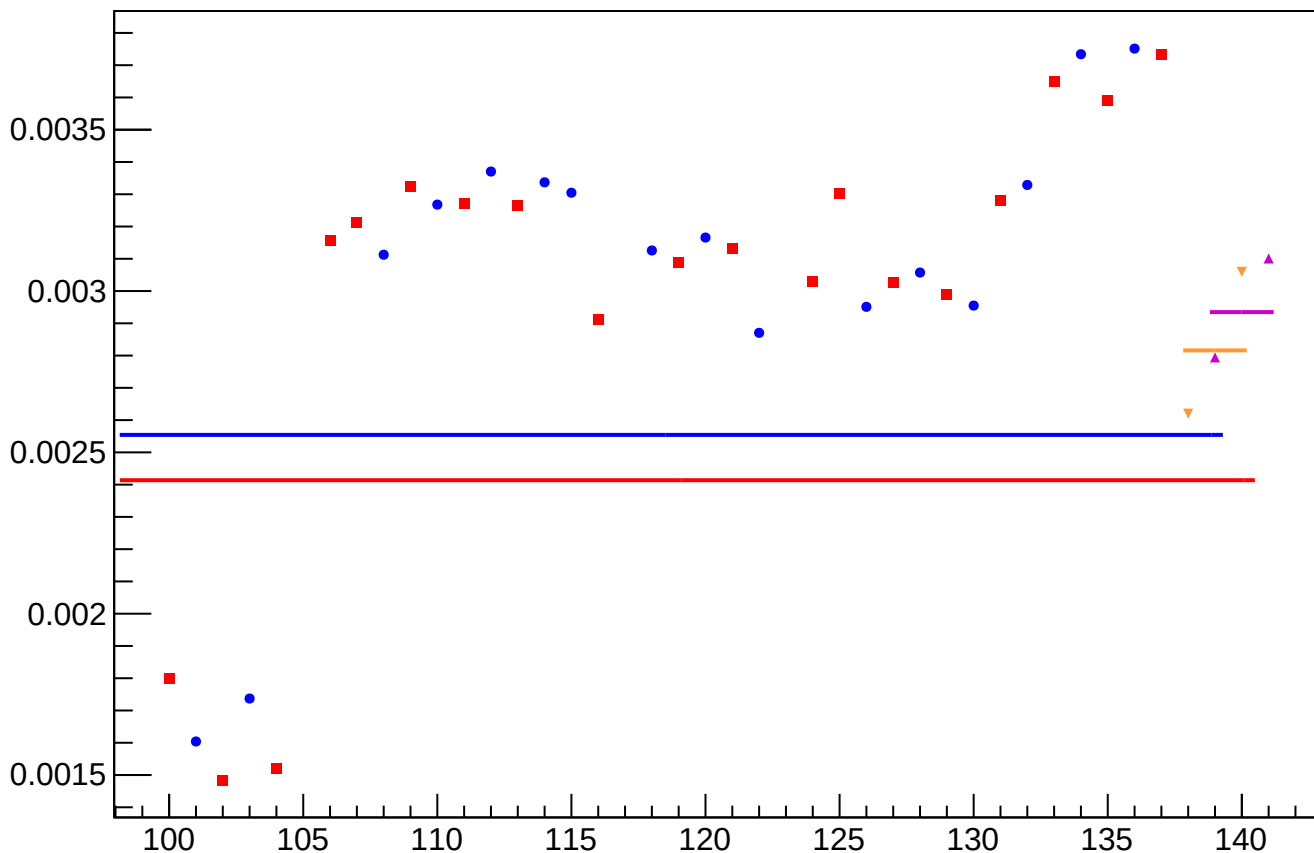
Left In: -1.709+/-0.000 χ^2/NDF : 50014259.1/1

+ sign -1.572+/-0.000 χ^2/NDF : 168074426017.2/17

All: -1.560+/-0.000 χ^2/NDF : 319335554553.3

- sign -1.549+/-0.000 χ^2/NDF : 150955553704.6/20

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1172434.9/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:18645.7/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1546830.8/18

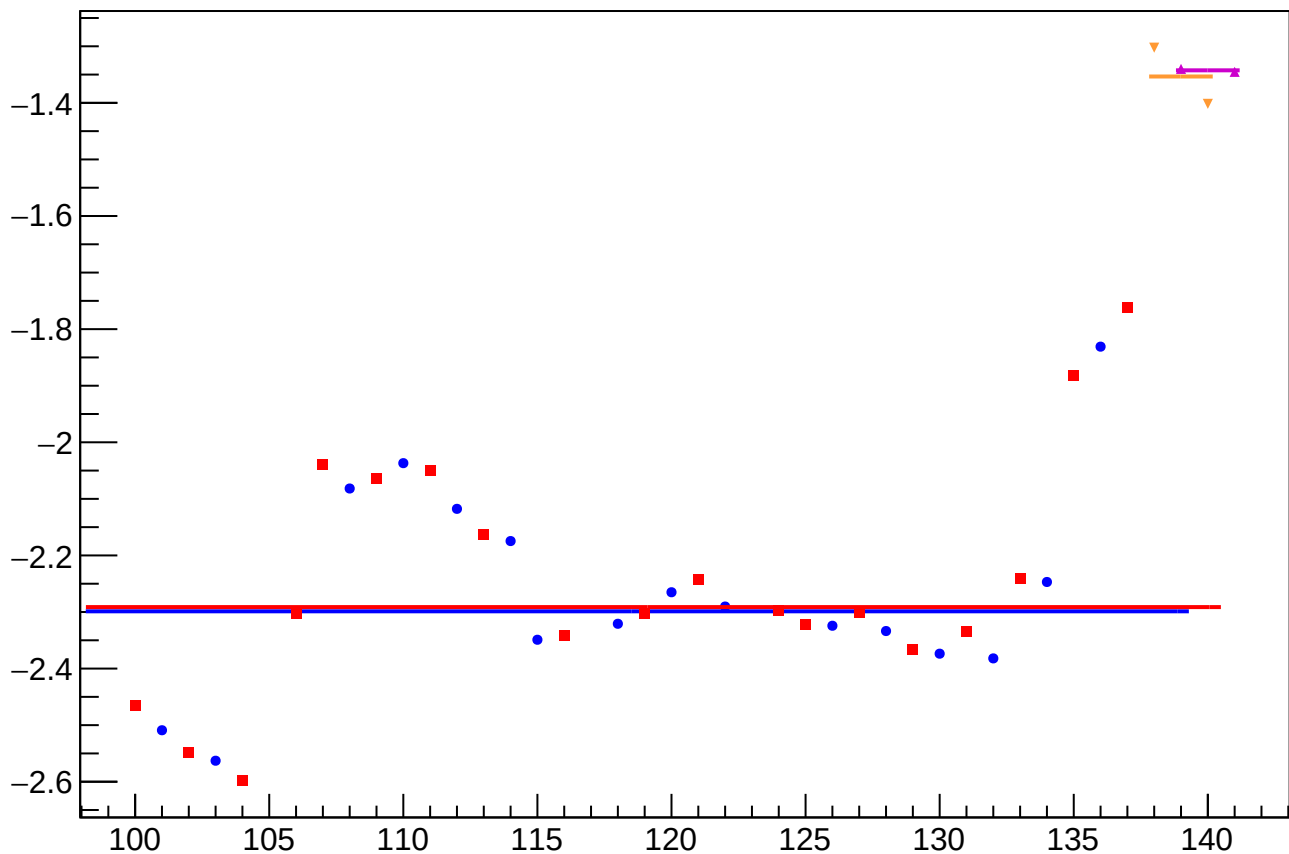
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:8879.9/1

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1213210.3/17

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2868516.2/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1642750.8/20

yield_bpm0i01aX_mean vs Slug



Right In: -2.299+/-0.000 χ^2/NDF : 6129071089.8/15

Left Out: -1.353+/-0.000 χ^2/NDF : 50599350.4/1

Right Out: -2.291+/-0.000 χ^2/NDF : 6831007568.9/18

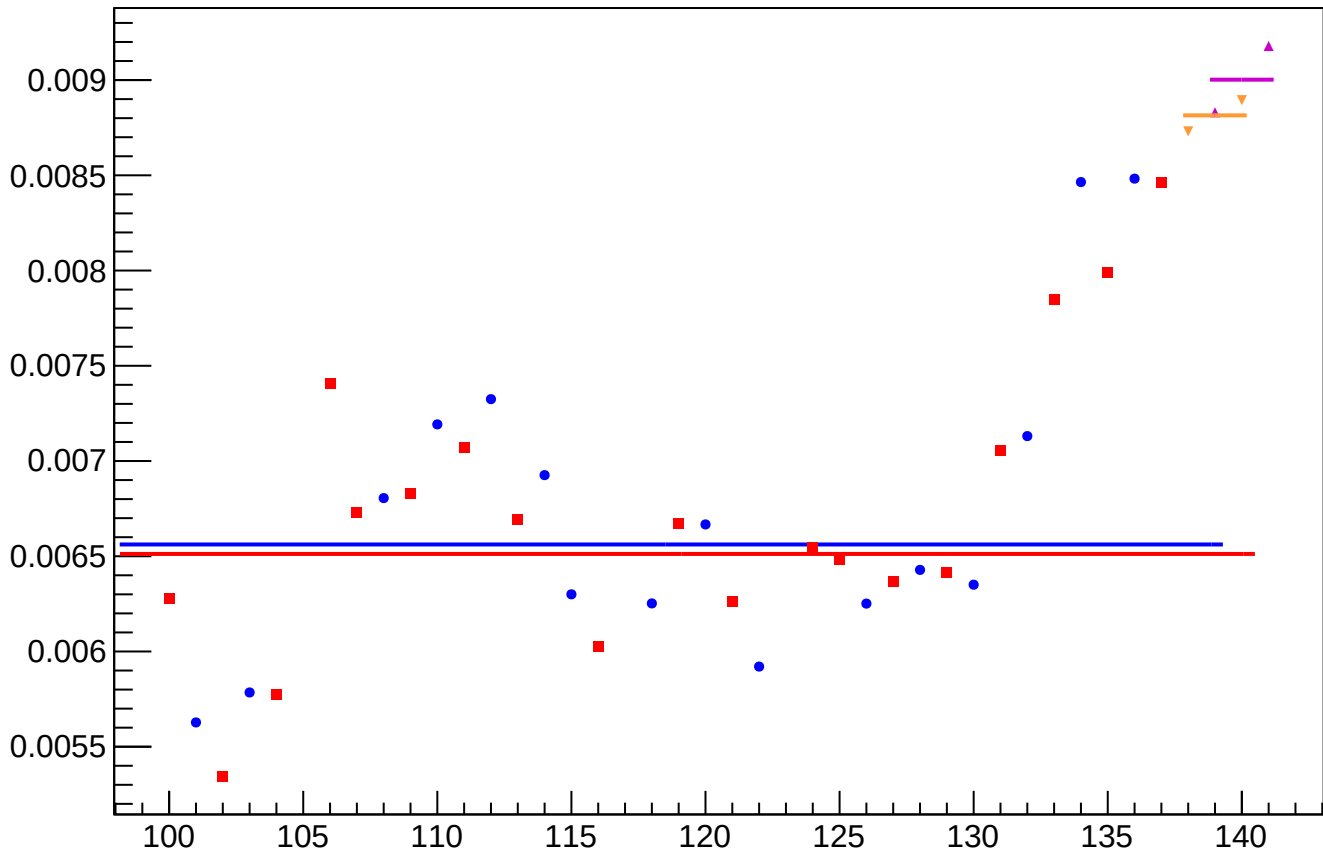
Left In: -1.342+/-0.000 χ^2/NDF : 145810.5/1

+ sign -2.192+/-0.000 χ^2/NDF : 22458515151.5/17

All: -2.188+/-0.000 χ^2/NDF : 46179929330.2/1

- sign -2.185+/-0.000 χ^2/NDF : 23717349954.3/20

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF : 275.2/1

Right Out: 0.007+/-0.000 χ^2/NDF : 184961.7/18

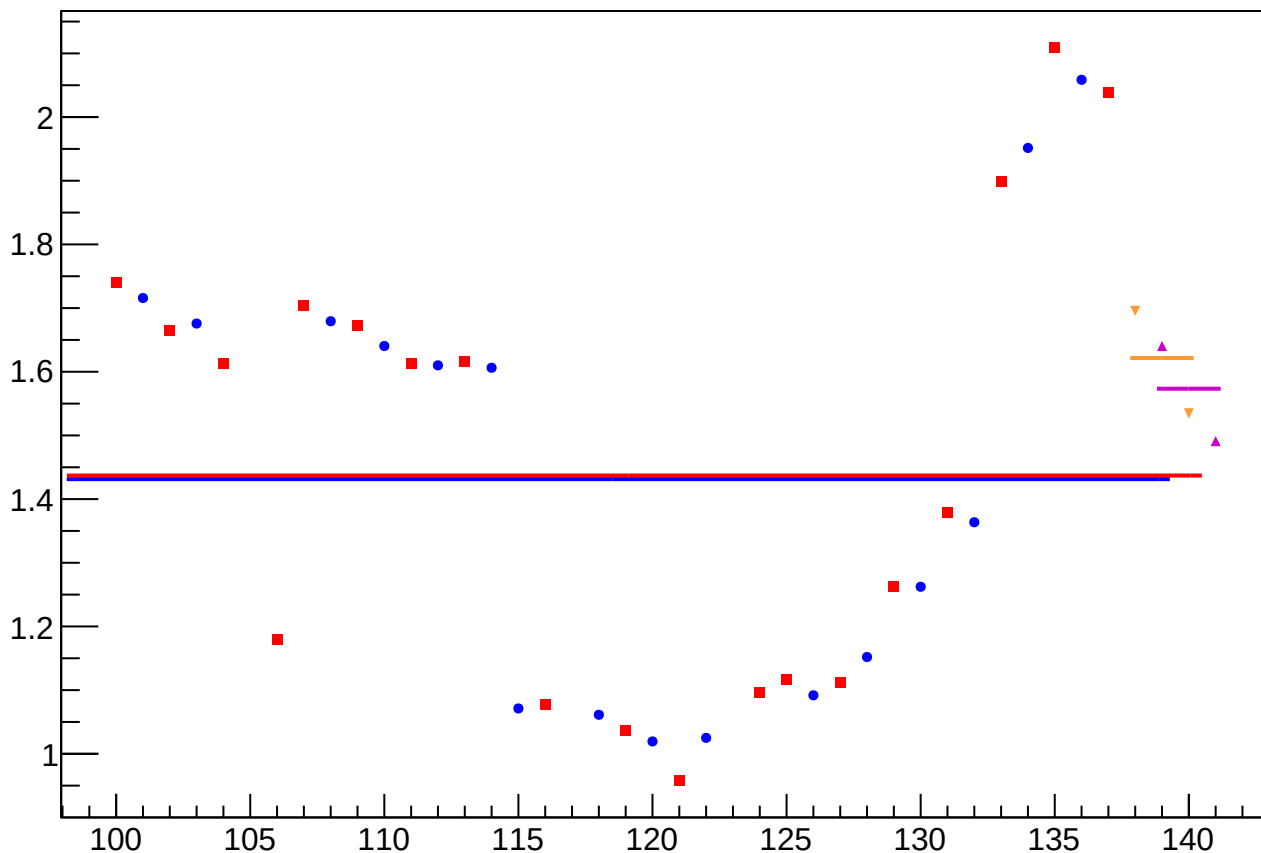
Left In: 0.009+/-0.000 χ^2/NDF : 1279.9/1

+ sign 0.007+/-0.000 χ^2/NDF : 407054.8/17

All: 0.007+/-0.000 χ^2/NDF : 826014.2/38

- sign 0.007+/-0.000 χ^2/NDF : 418833.8/20

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

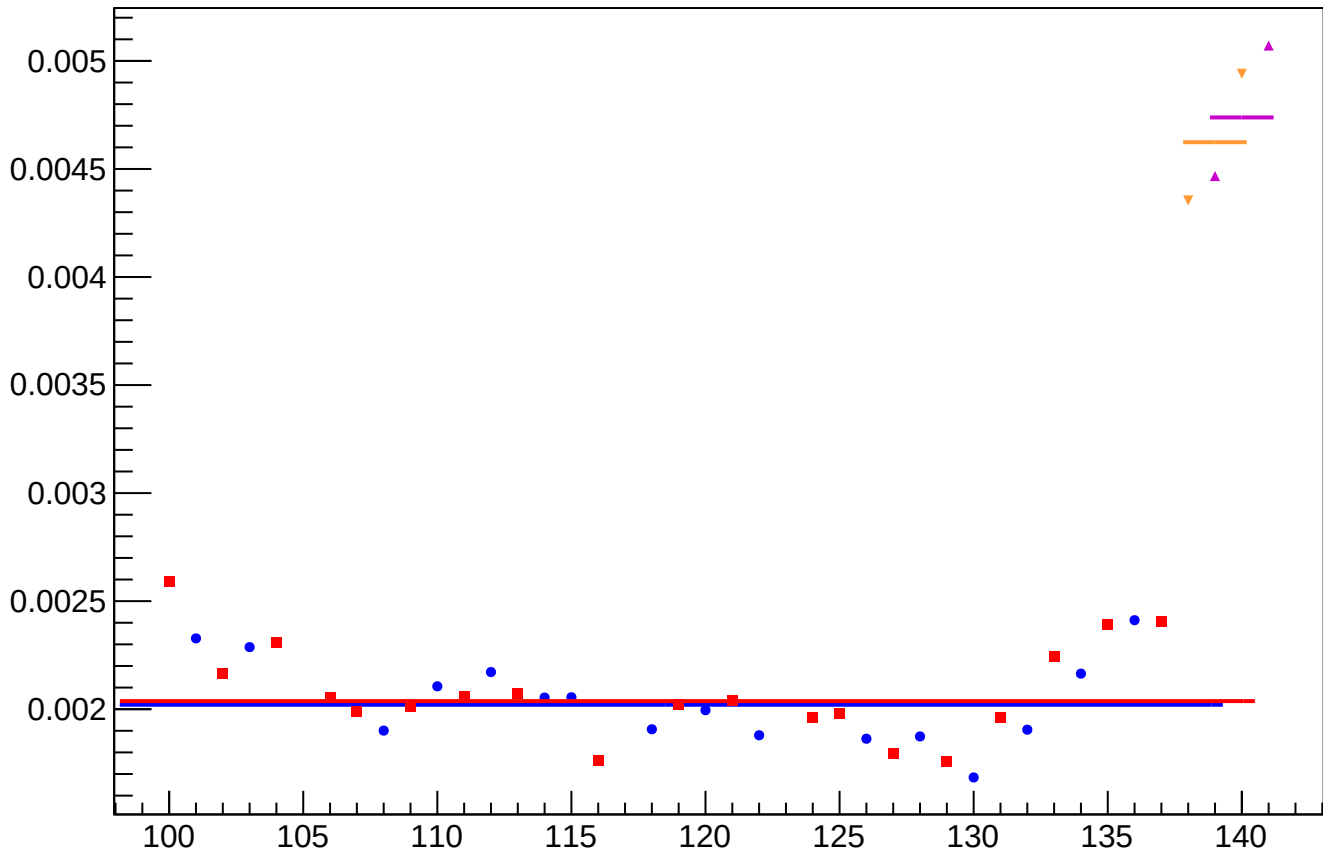
Left In: 1.573+/-0.000 χ^2/NDF : 416294982.4/1

+ sign 1.440+/-0.000 χ^2/NDF : 192240412484.5/17

All: 1.441+/-0.000 χ^2/NDF : 376025694716.5

- sign 1.443+/-0.000 χ^2/NDF : 183775677520.3/20

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

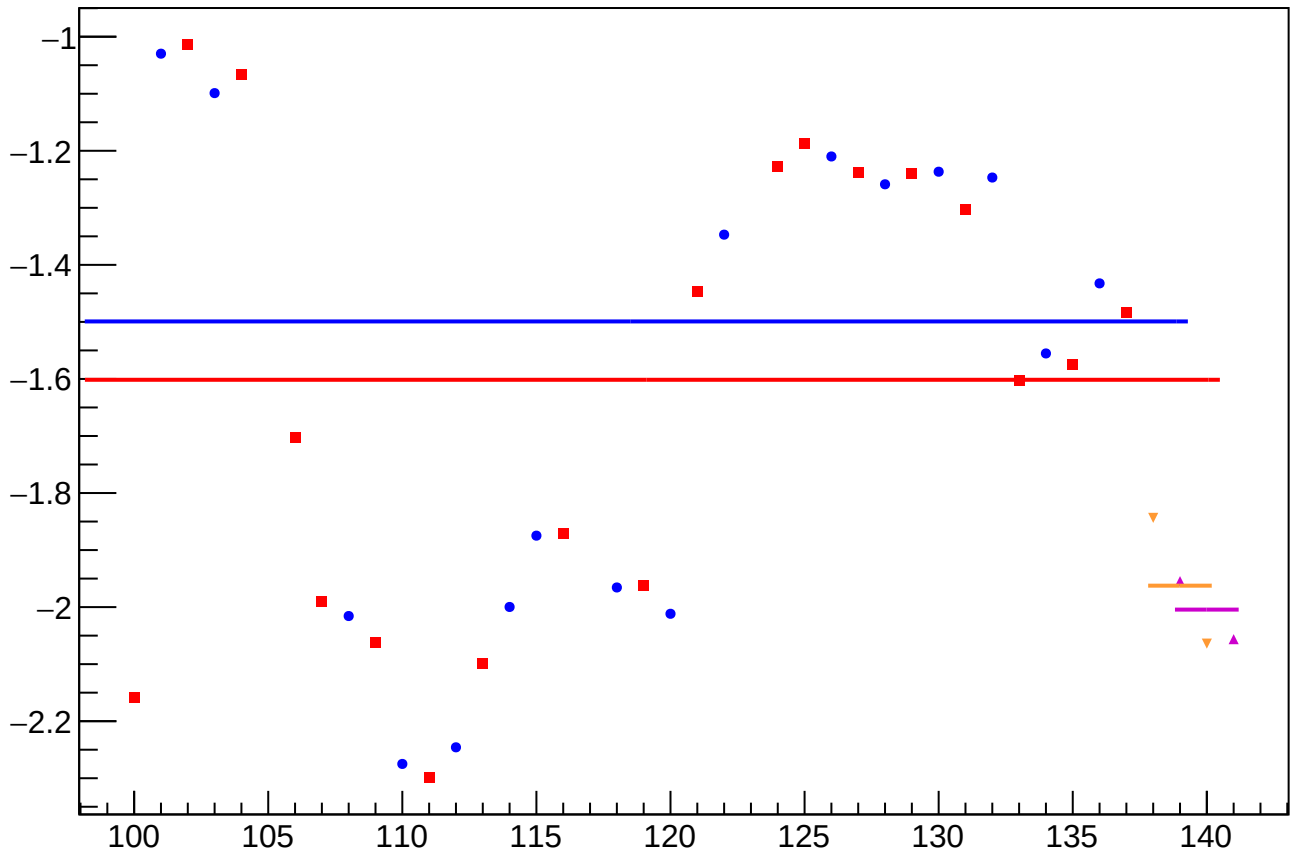
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:13615.4/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1133911.3/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 2313942.3/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1179200.4/20

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

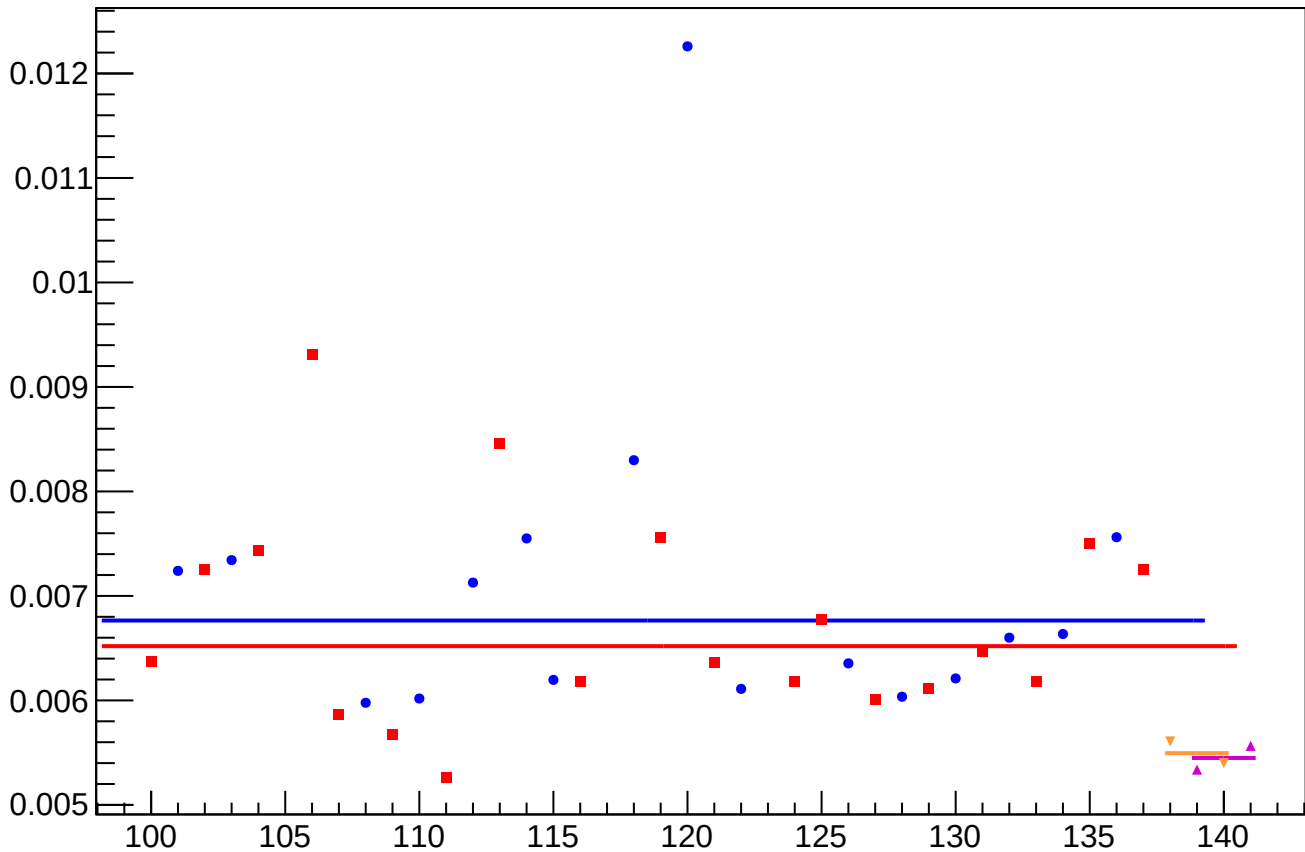
Left In: -2.004+/-0.000 χ^2/NDF : 146416551.4/1

+ sign -1.624+/-0.000 χ^2/NDF : 31755410642.3/17

All: -1.667+/-0.000 χ^2/NDF : 67726374068.2/19

- sign -1.706+/-0.000 χ^2/NDF : 35283881148.8/20

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 238566.1/15

Left Out: 0.005+/-0.000 χ^2/NDF :1120.5/1

Right Out: 0.007+/-0.000 χ^2/NDF : 245428.1/18

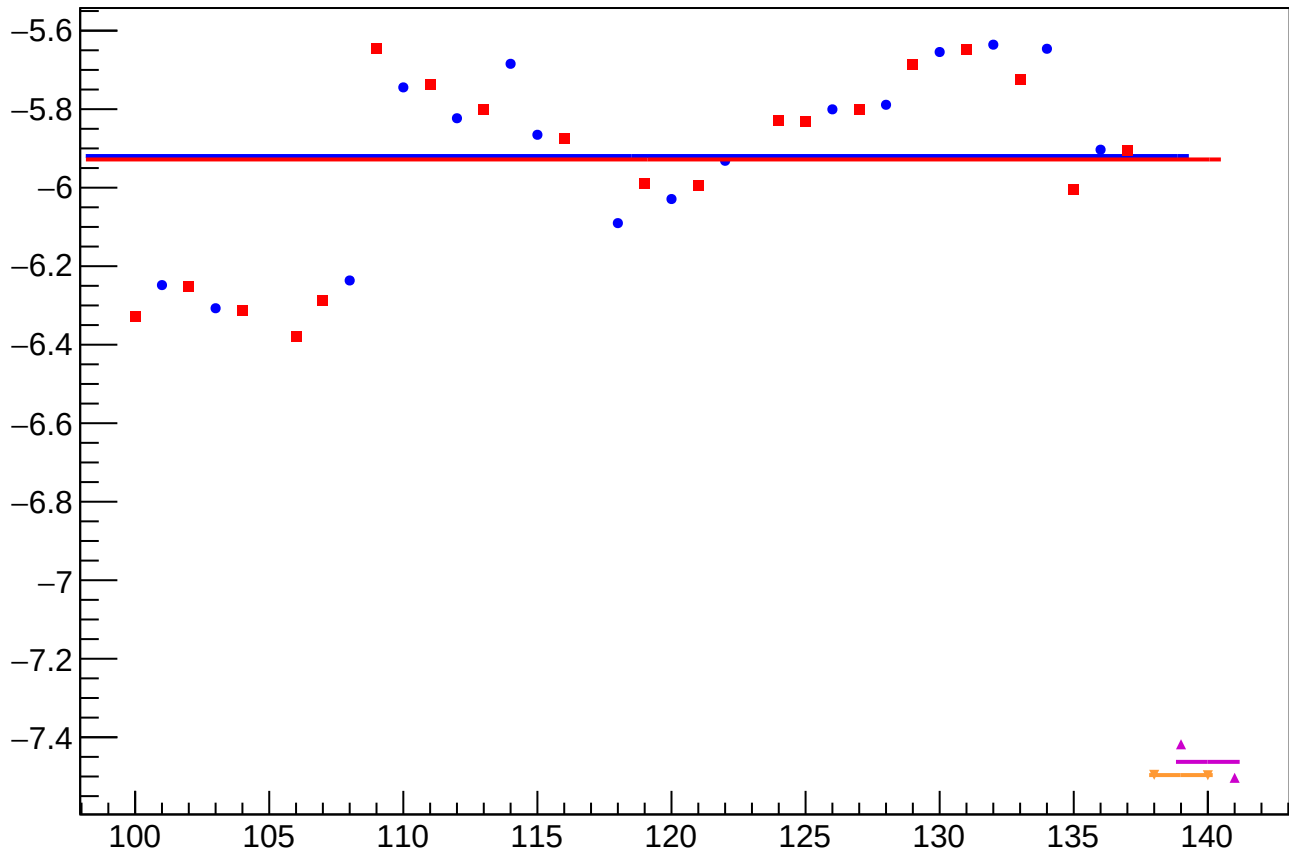
Left In: 0.005+/-0.000 χ^2/NDF :1462.6/1

+ sign 0.006+/-0.000 χ^2/NDF : 362725.6/17

All: 0.006+/-0.000 χ^2/NDF : 712401.8/38

- sign 0.006+/-0.000 χ^2/NDF : 343004.8/20

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

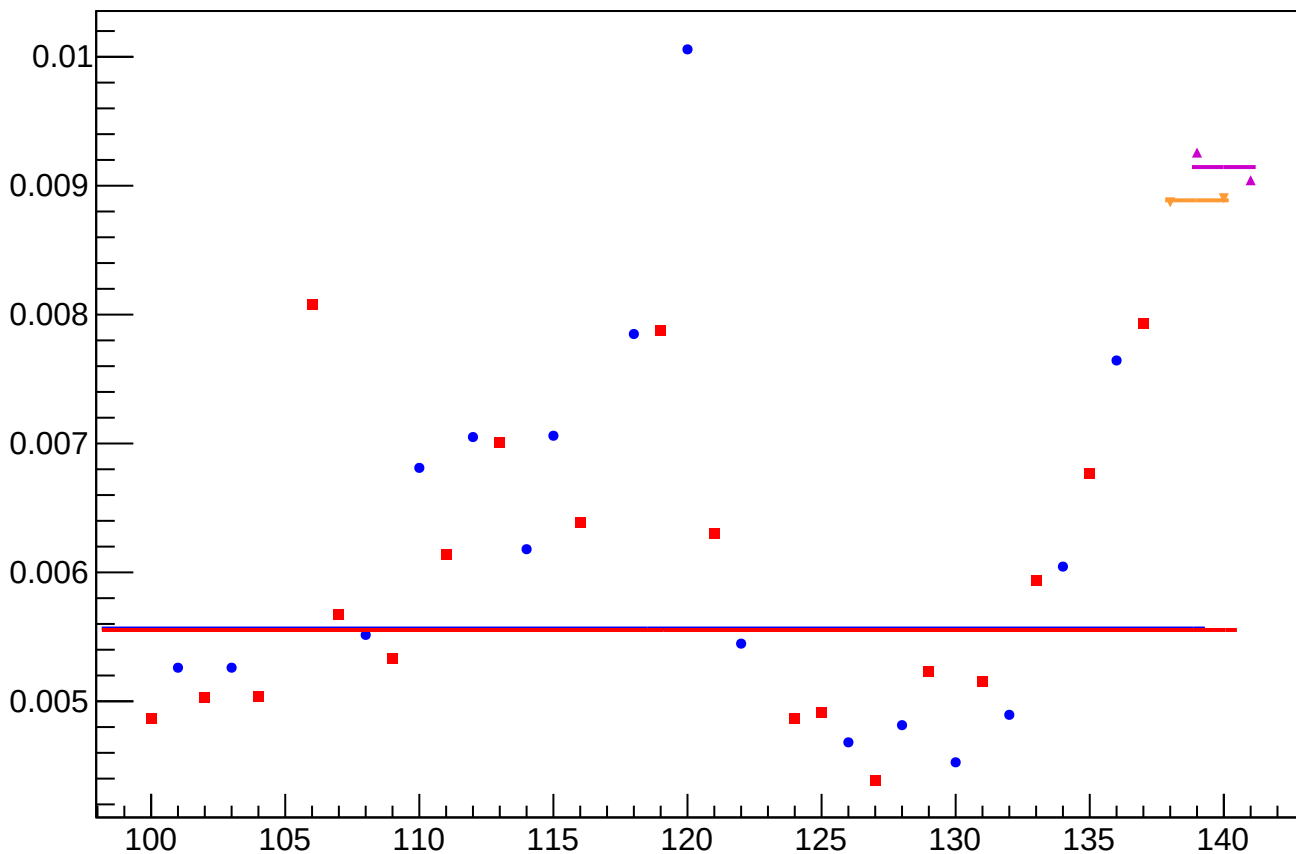
Left In: -7.463+/-0.000 χ^2/NDF : 25648567.3/1

+ sign -6.022+/-0.000 χ^2/NDF : 43890587198.7/17

All: -6.023+/-0.000 χ^2/NDF : 87688755190.9/17

- sign -6.024+/-0.000 χ^2/NDF : 43797670661.6/20

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

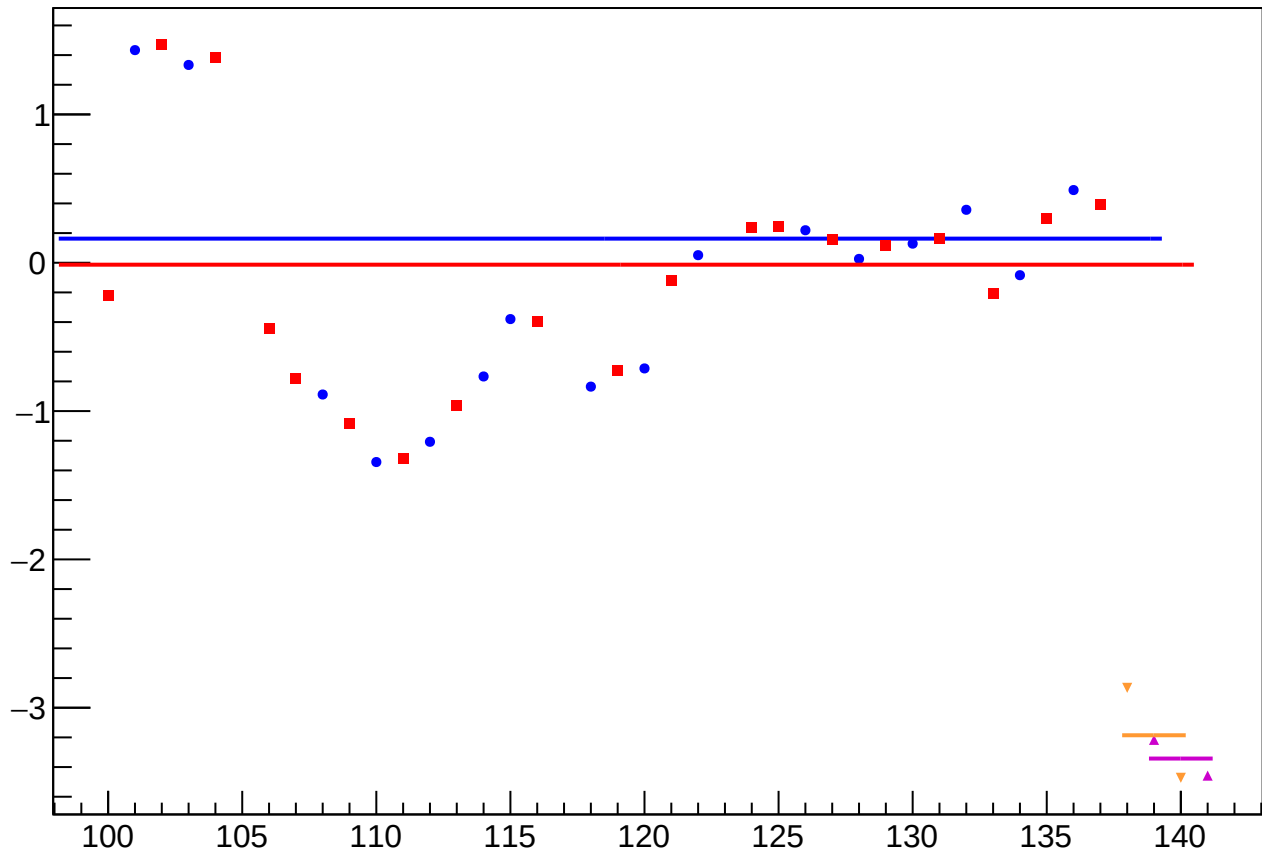
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 324.0/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 780935.7/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1486841.3/38

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 705904.2/20

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

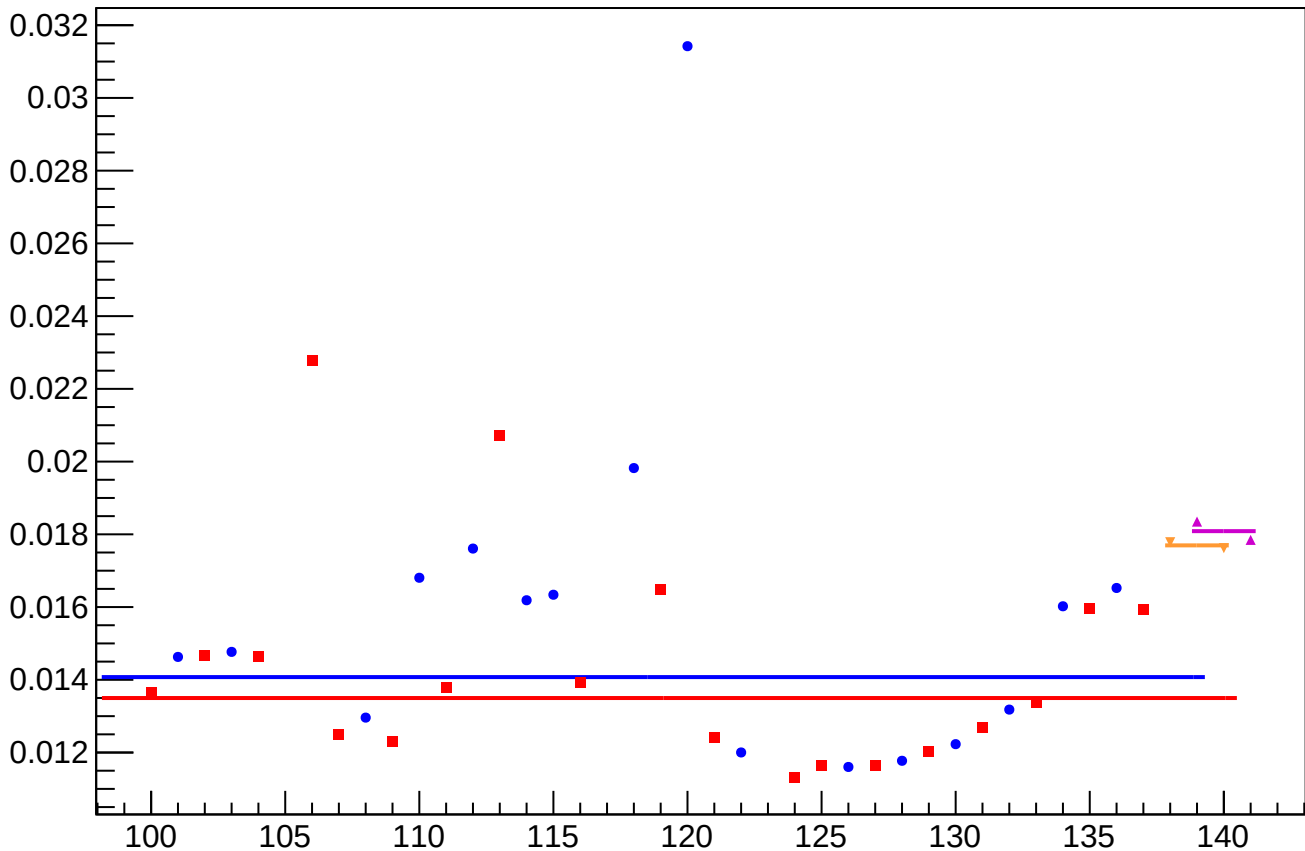
Left In: -3.343+/-0.000 χ^2/NDF : 72964449.6/1

+ sign -0.274+/-0.000 χ^2/NDF : 64914287063.6/17

All: -0.347+/-0.000 χ^2/NDF : 136948702322.9

- sign -0.410+/-0.000 χ^2/NDF : 71672762901.2/20

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 465421.6/15

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:63.1/1

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 314810.3/18

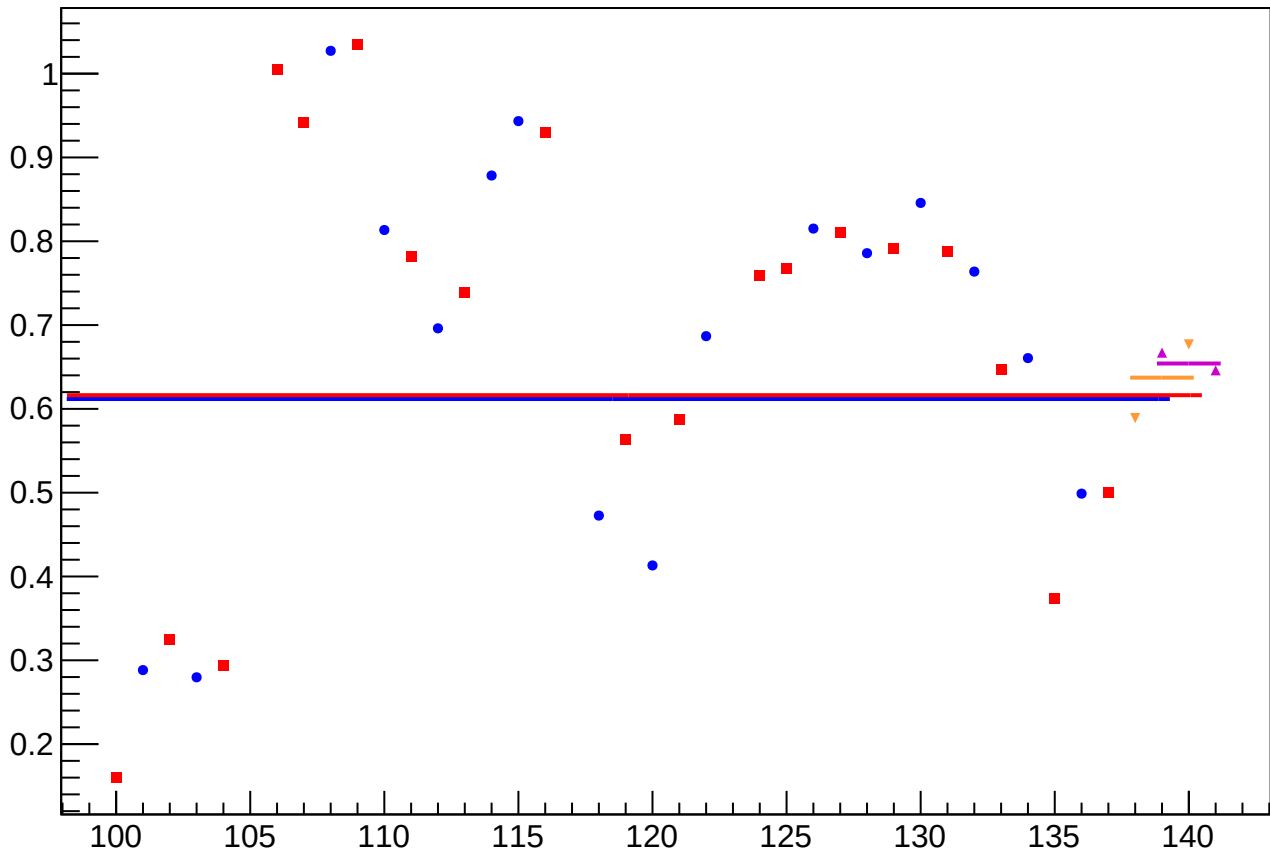
Left In: 0.018 $\pm$ 0.000 χ^2 /NDF:634.0/1

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 574398.8/17

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 1086286.3/38

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 502035.3/20

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF : 5639014502.0/15

Left Out: 0.637+/-0.000 χ^2/NDF : 41479817.3/1

Right Out: 0.616+/-0.000 χ^2/NDF : 6419512040.7/18

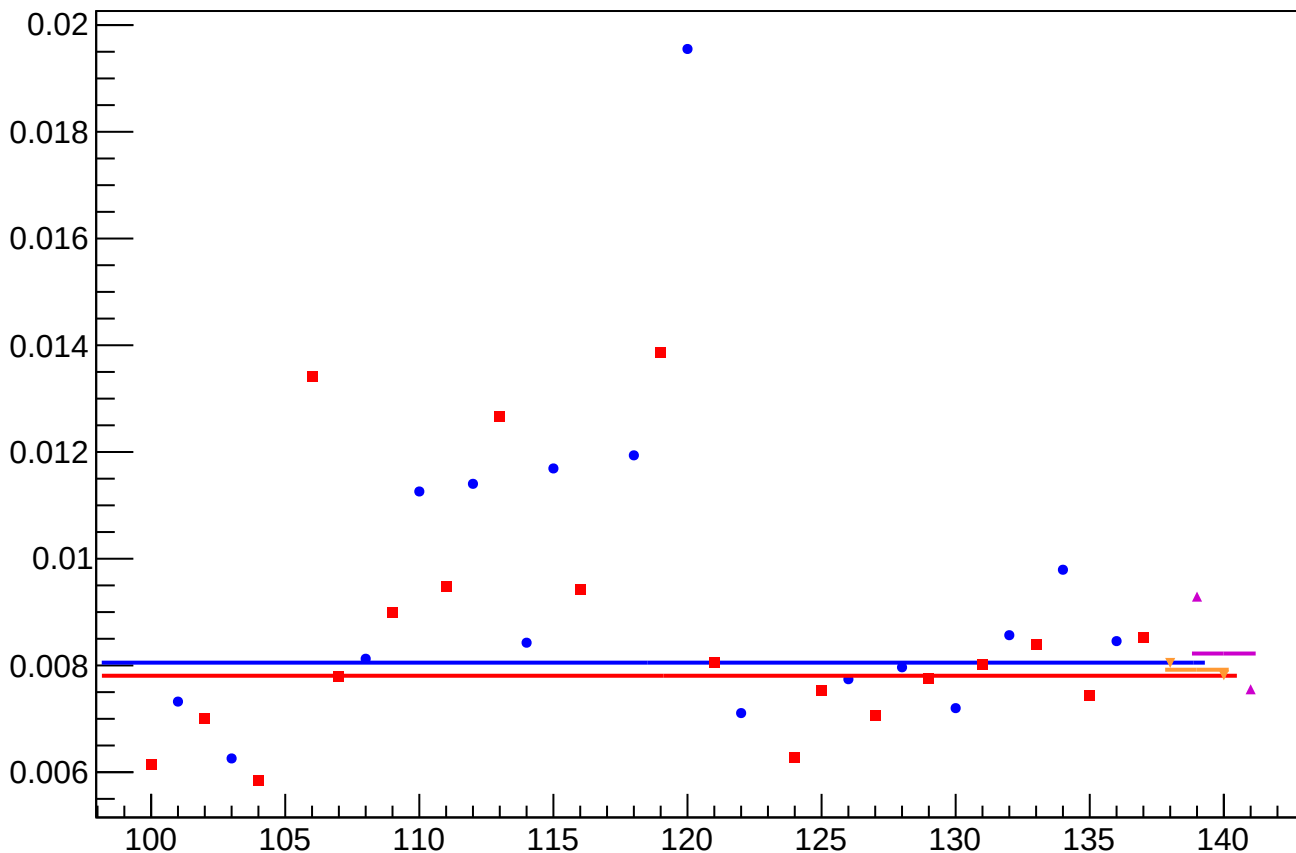
Left In: 0.654+/-0.000 χ^2/NDF : 2335156.2/1

+ sign 0.617+/-0.000 χ^2/NDF : 5691953290.3/17

All: 0.620+/-0.000 χ^2/NDF : 12142409210.2/3

- sign 0.623+/-0.000 χ^2/NDF : 6447984917.3/20

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF :571.9/1

Right Out: 0.008+/-0.000 χ^2/NDF : 587157.2/18

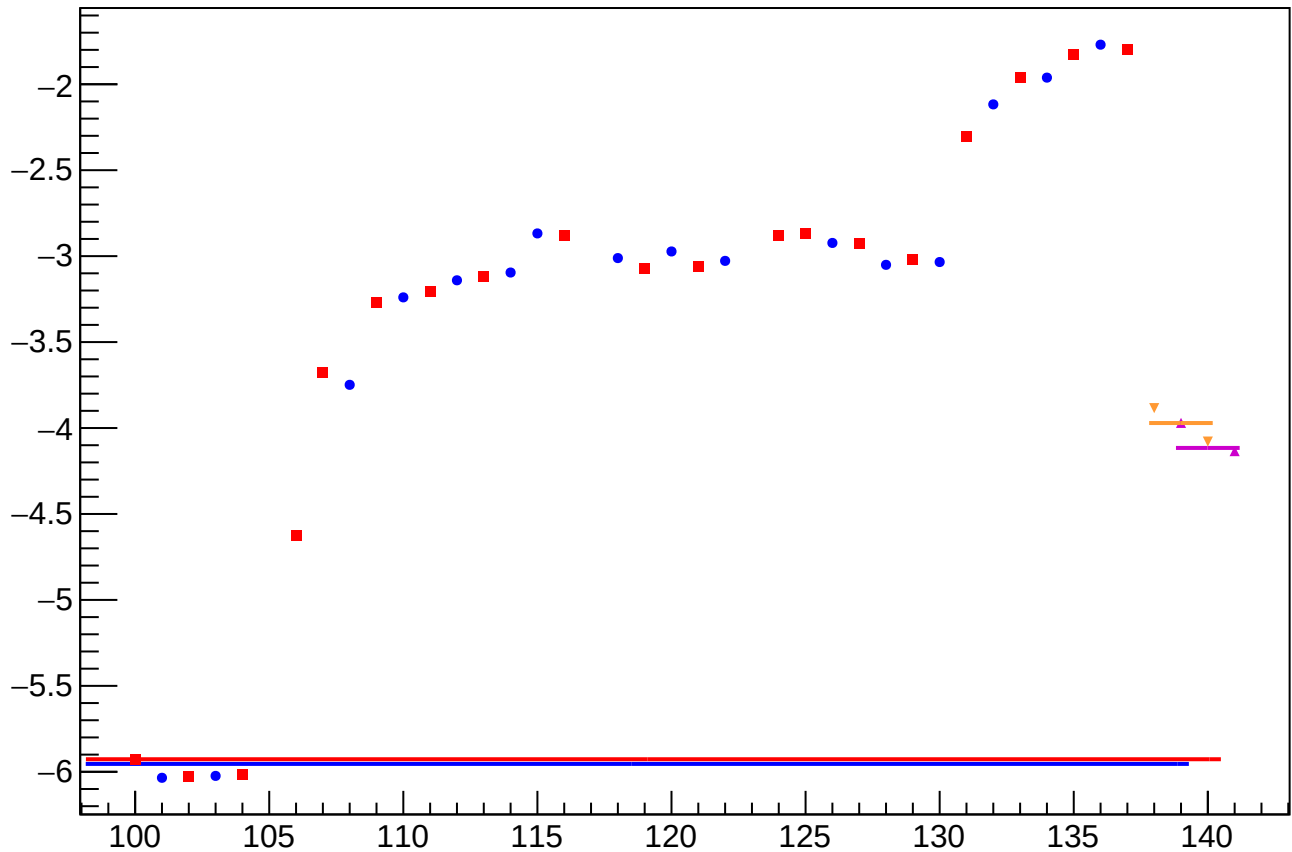
Left In: 0.008+/-0.000 χ^2/NDF :31625.3/1

+ sign 0.008+/-0.000 χ^2/NDF : 599503.2/17

All: 0.008+/-0.000 χ^2/NDF : 1227301.5/38

- sign 0.008+/-0.000 χ^2/NDF : 625122.3/20

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

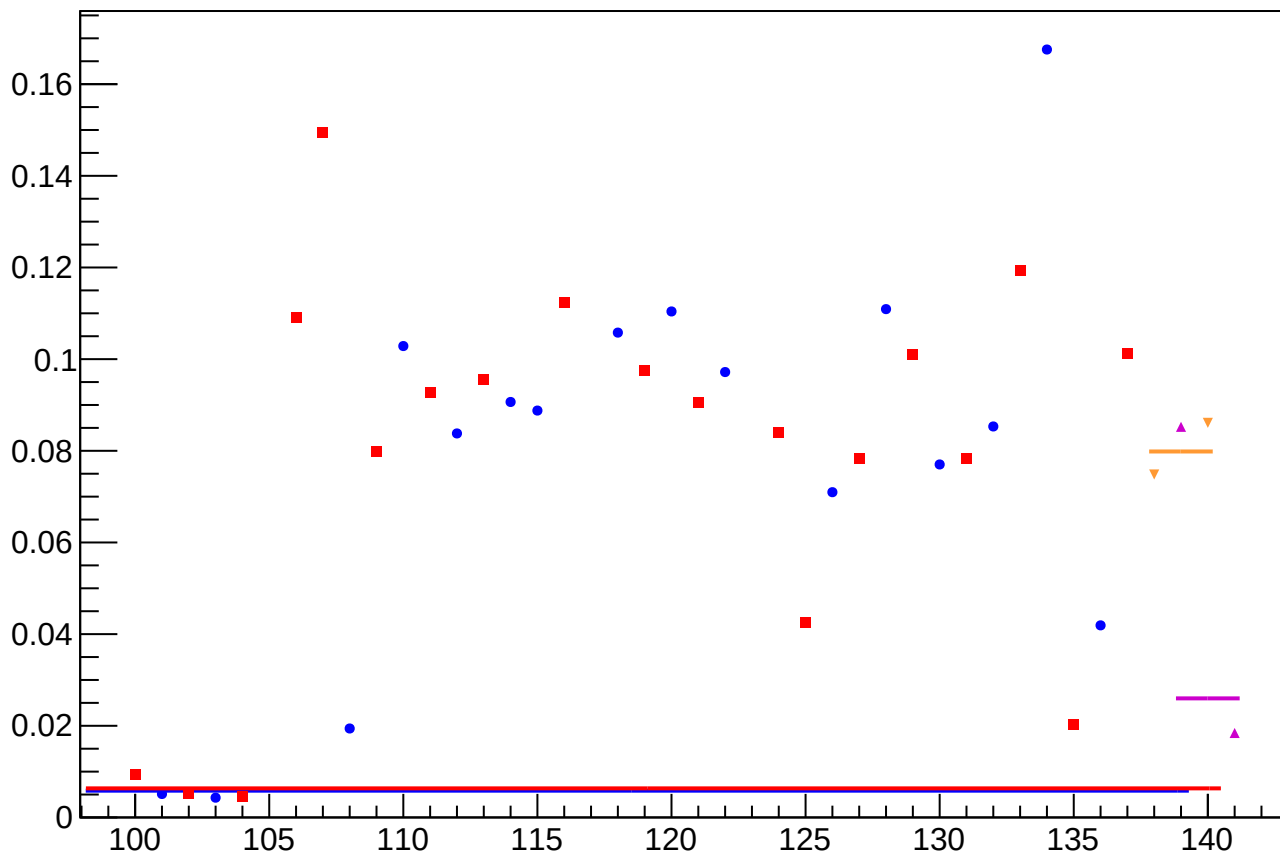
Left In: -4.116+/-0.000 χ^2/NDF : 2078769.5/1

+ sign -5.946+/-0.000 χ^2/NDF : 13946093169.6/17

All: -5.923+/-0.000 χ^2/NDF : 30406773164.6/1

- sign -5.895+/-0.000 χ^2/NDF : 16399082311.0/20

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 8700553.3/15

Left Out: 0.080+/-0.000 χ^2/NDF :13538.3/1

Right Out: 0.006+/-0.000 χ^2/NDF : 8751831.3/18

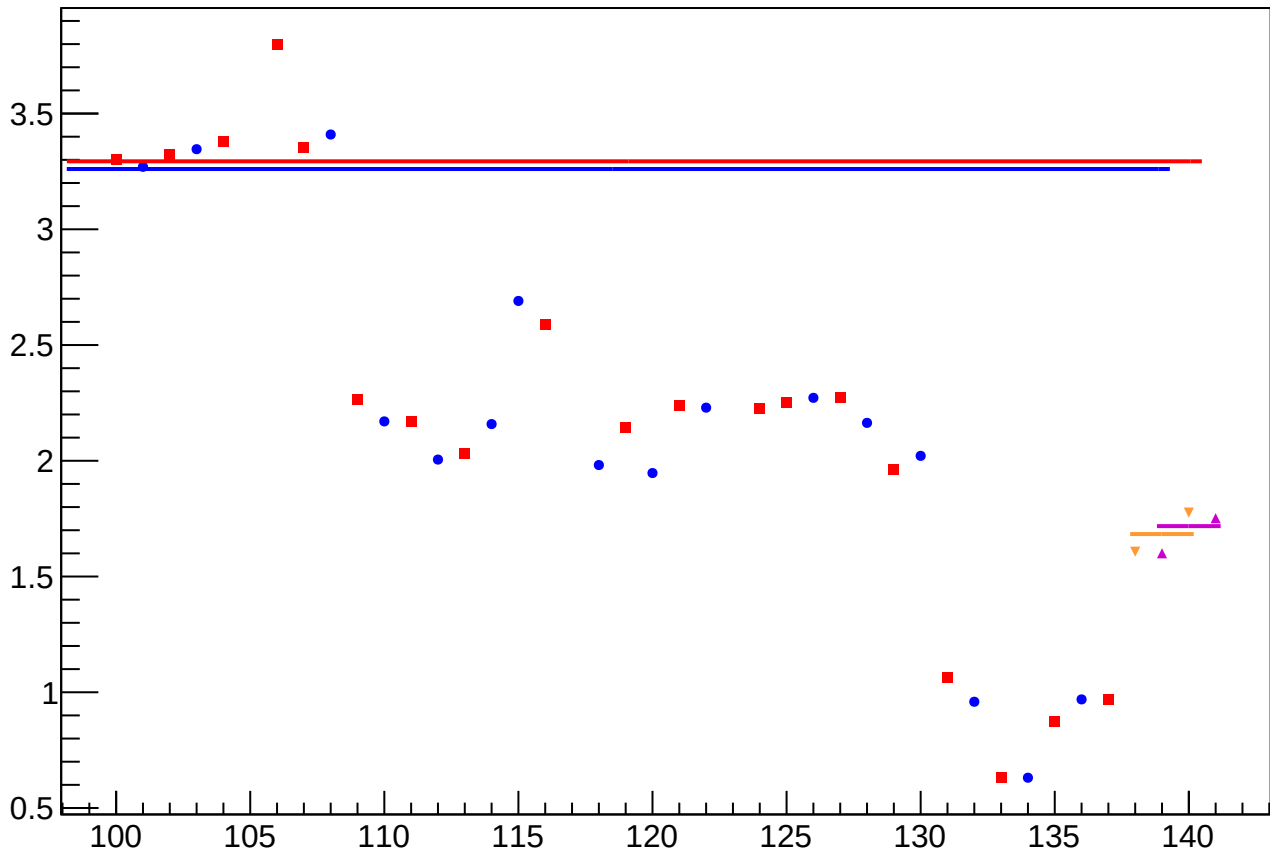
Left In: 0.026+/-0.000 χ^2/NDF :687197.3/1

+ sign 0.006+/-0.000 χ^2/NDF : 11066609.1/17

All: 0.006+/-0.000 χ^2/NDF : 21101100.7/38

- sign 0.007+/-0.000 χ^2/NDF : 10020666.6/20

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 3009624113.9/15

Left Out: 1.683 $\pm$ 0.000 χ^2 /NDF:1244917.4/1

Right Out: 3.294 $\pm$ 0.000 χ^2 /NDF: 3243748149.8/18

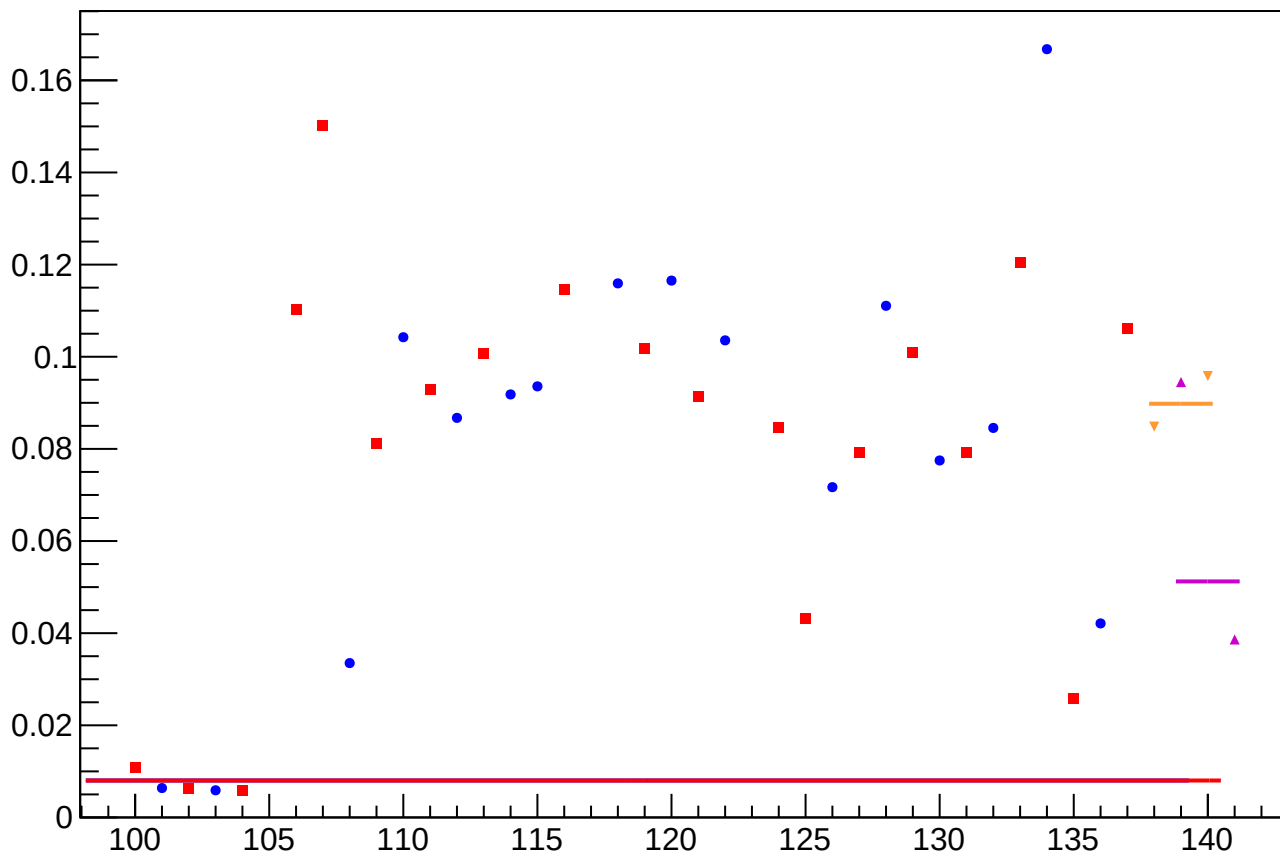
Left In: 1.718 $\pm$ 0.000 χ^2 /NDF:1299400.3/1

+ sign 3.252 $\pm$ 0.000 χ^2 /NDF: 3446575599.4/17

All: 3.264 $\pm$ 0.000 χ^2 /NDF: 7496546493.2/38

- sign 3.276 $\pm$ 0.000 χ^2 /NDF: 4040619673.9/20

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 8415681.1/15

Left Out: 0.090+/-0.000 χ^2/NDF : 10516.7/1

Right Out: 0.008+/-0.000 χ^2/NDF : 8542249.7/18

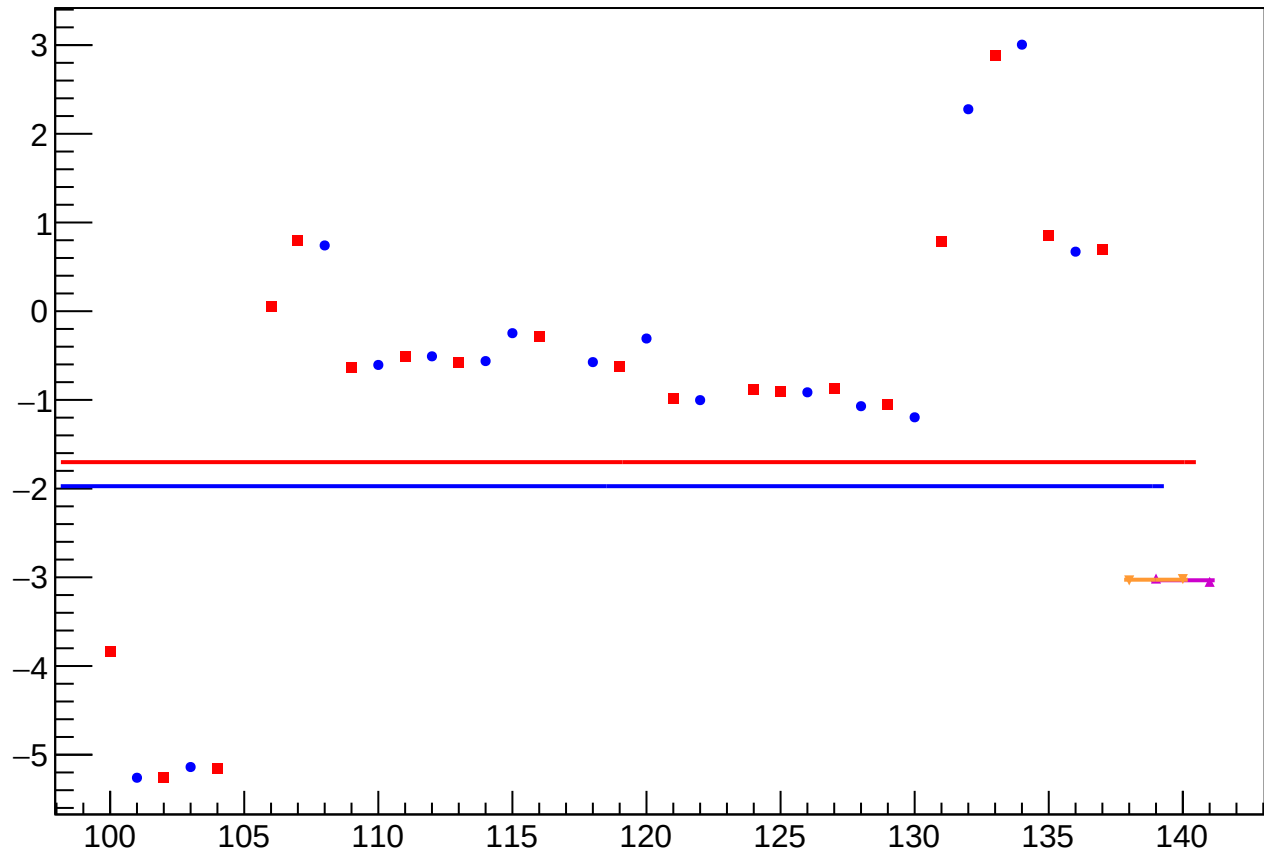
Left In: 0.051+/-0.000 χ^2/NDF : 353136.5/1

+ sign 0.008+/-0.000 χ^2/NDF : 10769186.9/17

All: 0.008+/-0.000 χ^2/NDF : 20860817.7/38

- sign 0.008+/-0.000 χ^2/NDF : 10091629.0/20

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

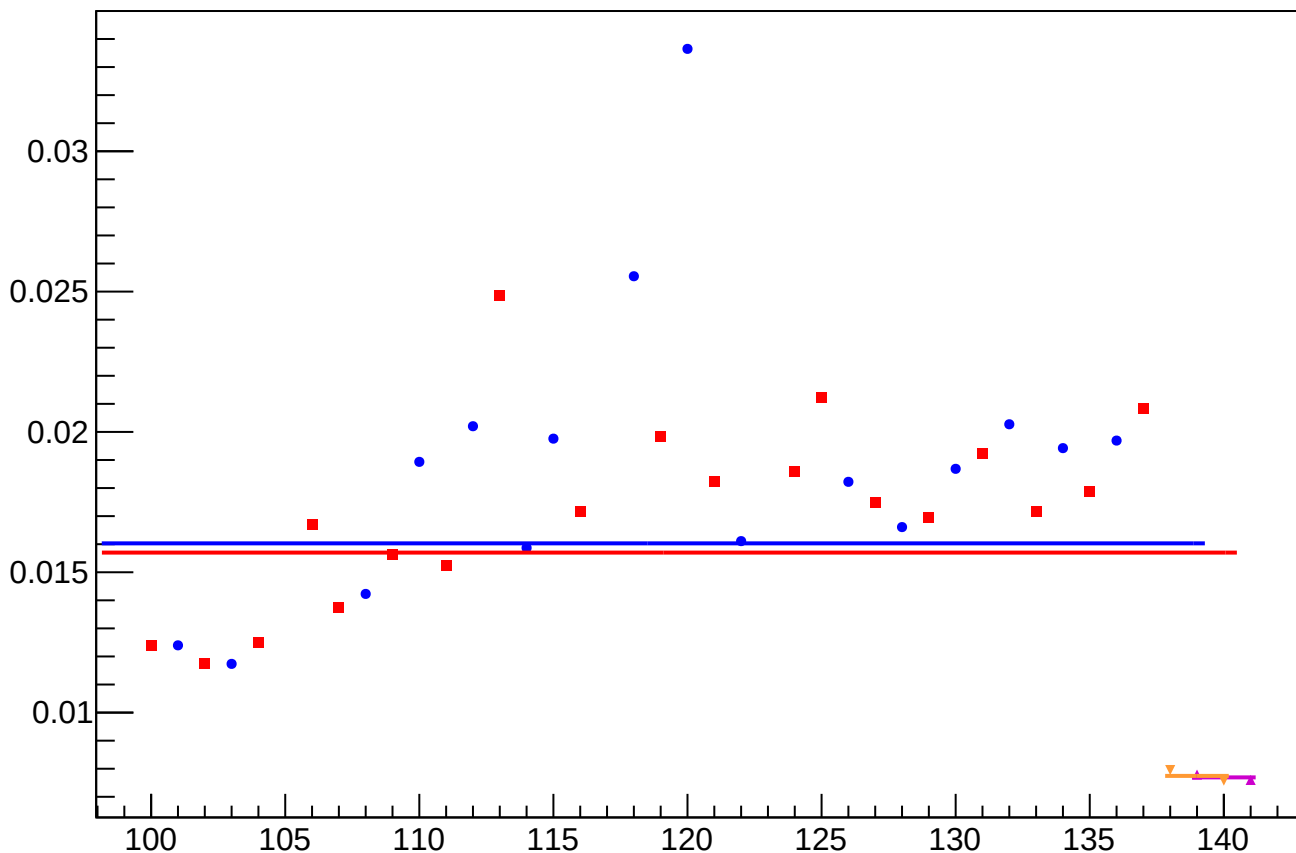
Left In: -3.033+/-0.000 χ^2/NDF :9634122.4/1

+ sign -2.536+/-0.000 χ^2/NDF : 175423990340.8/17

All: -2.465+/-0.000 χ^2/NDF : 368112724401.1

- sign -2.401+/-0.000 χ^2/NDF : 192221941187.7/20

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 735736.8/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1826.4/1

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 504766.0/18

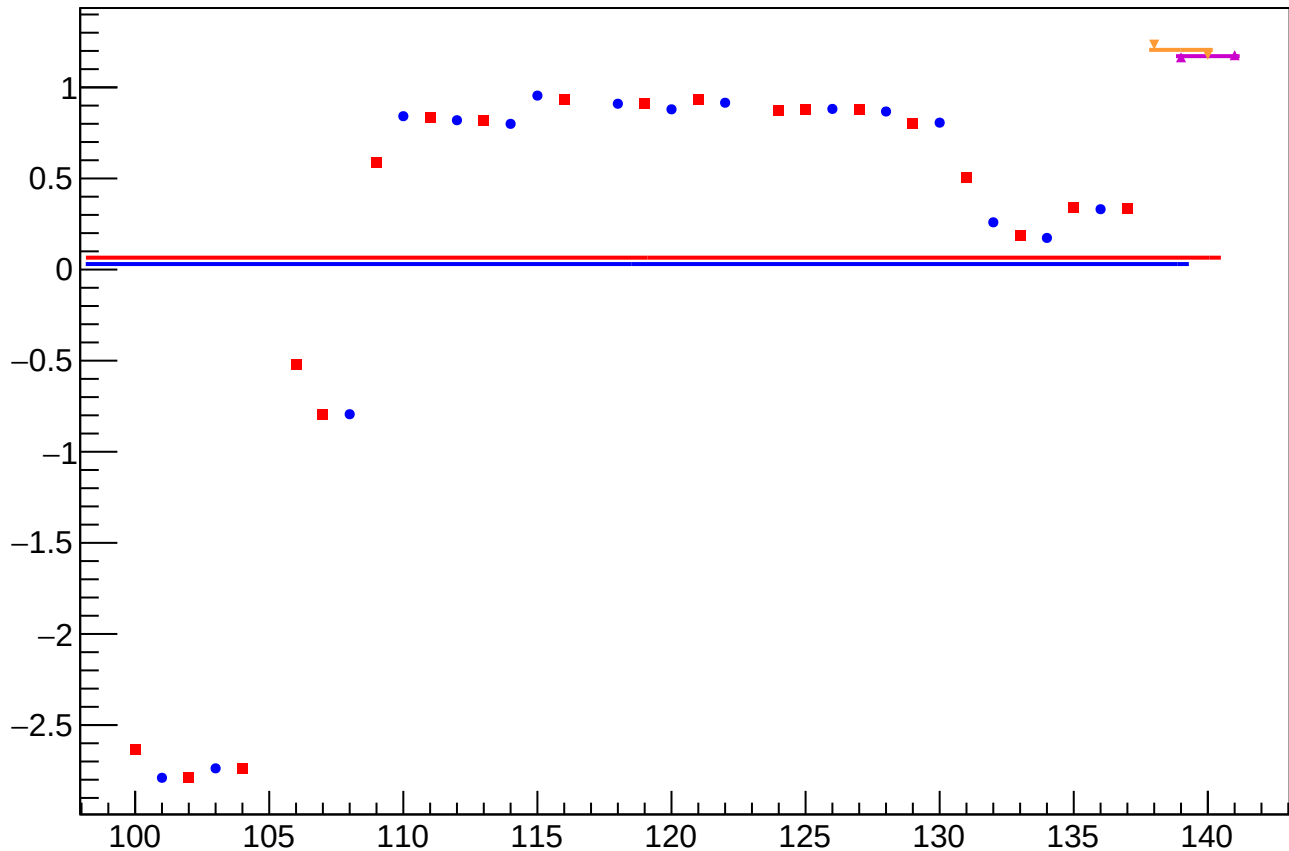
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:513.9/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2398569.2/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4644713.9/38

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2245524.5/20

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

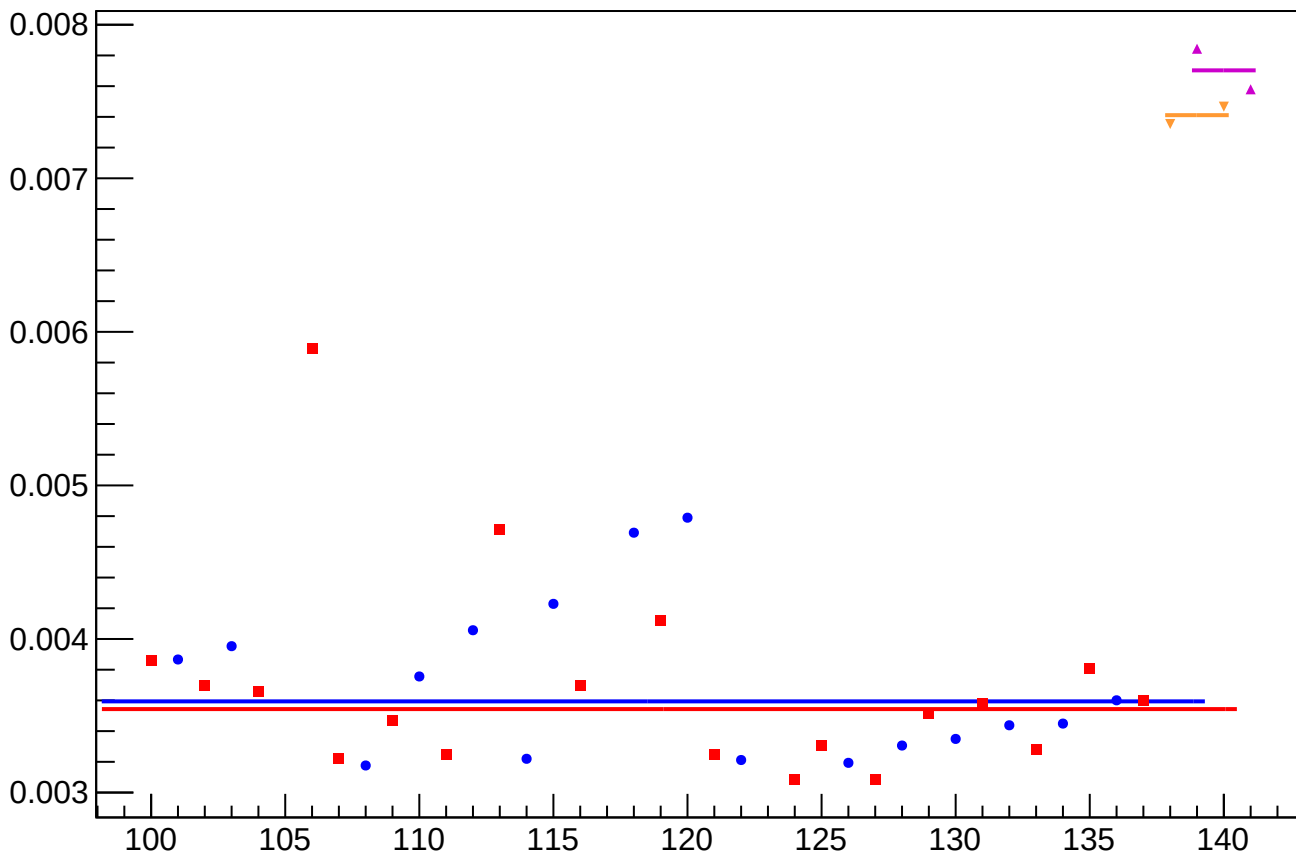
Left In: 1.171+/-0.000 χ^2/NDF :763039.2/1

+ sign 0.079+/-0.000 χ^2/NDF : 881611085014.7/17

All: 0.095+/-0.000 χ^2/NDF : 1844343325687.

- sign 0.109+/-0.000 χ^2/NDF : 962481459016.9/20

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF :144.2/1

Right Out: 0.004+/-0.000 χ^2/NDF : 224729.1/18

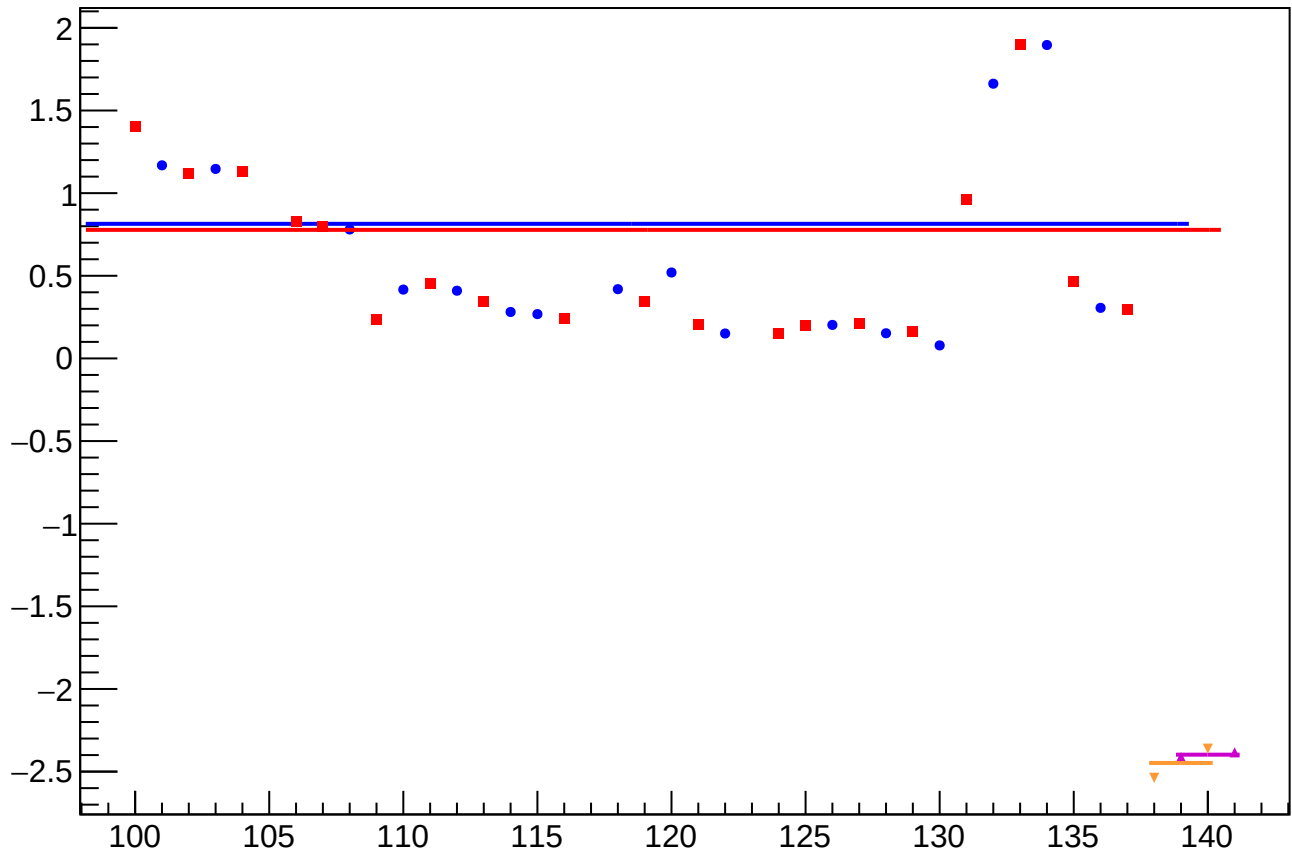
Left In: 0.008+/-0.000 χ^2/NDF :797.9/1

+ sign 0.004+/-0.000 χ^2/NDF : 811451.6/17

All: 0.004+/-0.000 χ^2/NDF : 1801917.0/38

- sign 0.004+/-0.000 χ^2/NDF : 989334.6/20

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF : 35412149008.2/15

Left Out: -2.448+/-0.000 χ^2/NDF : 193377084.0/1

Right Out: 0.778+/-0.000 χ^2/NDF : 34603328062.2/18

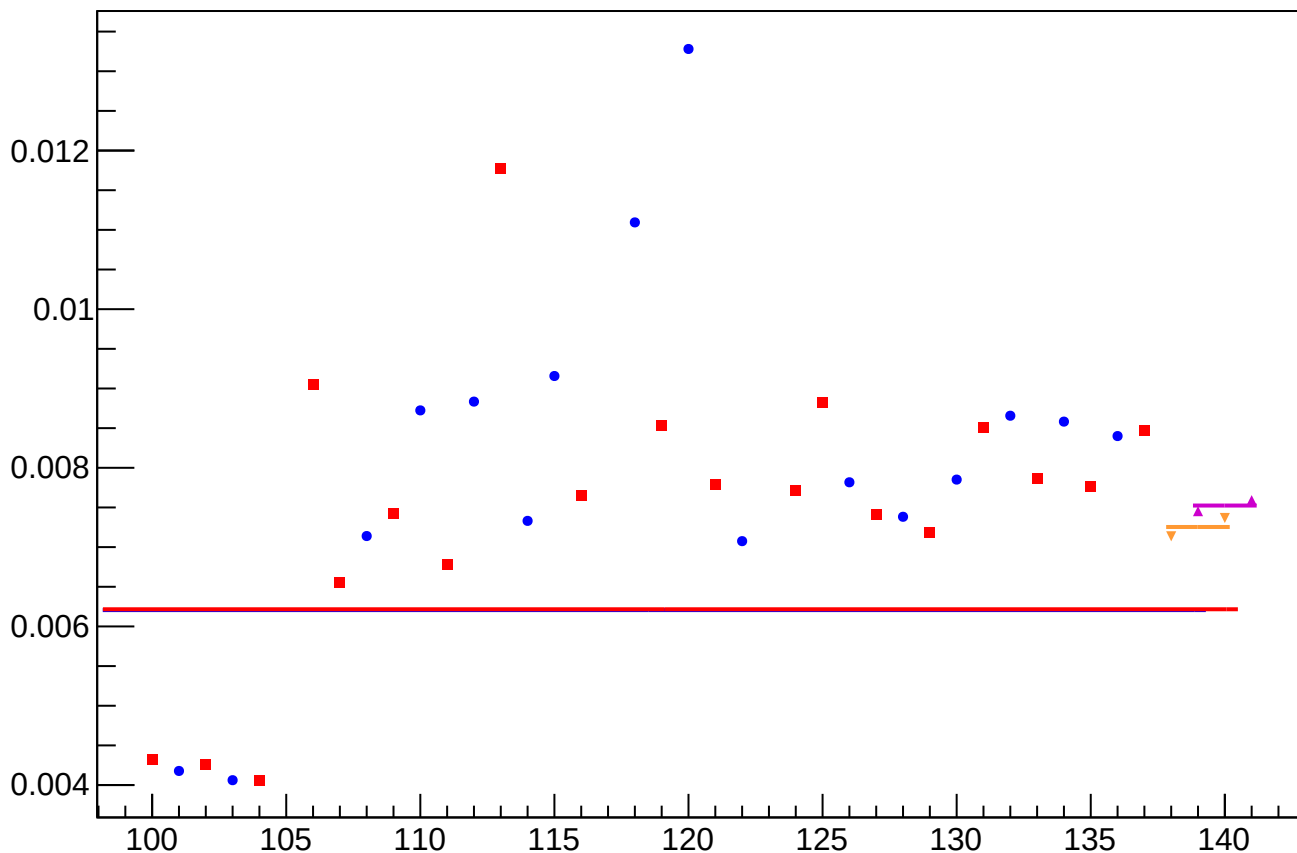
Left In: -2.398+/-0.000 χ^2/NDF : 5363814.3/1

+ sign 0.334+/-0.000 χ^2/NDF : 261682290506.5/17

All: 0.331+/-0.000 χ^2/NDF : 518399233147.0

- sign 0.328+/-0.000 χ^2/NDF : 256713609107.2/20

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF : 666.0/1

Right Out: 0.006+/-0.000 χ^2/NDF : 1161117.9/18

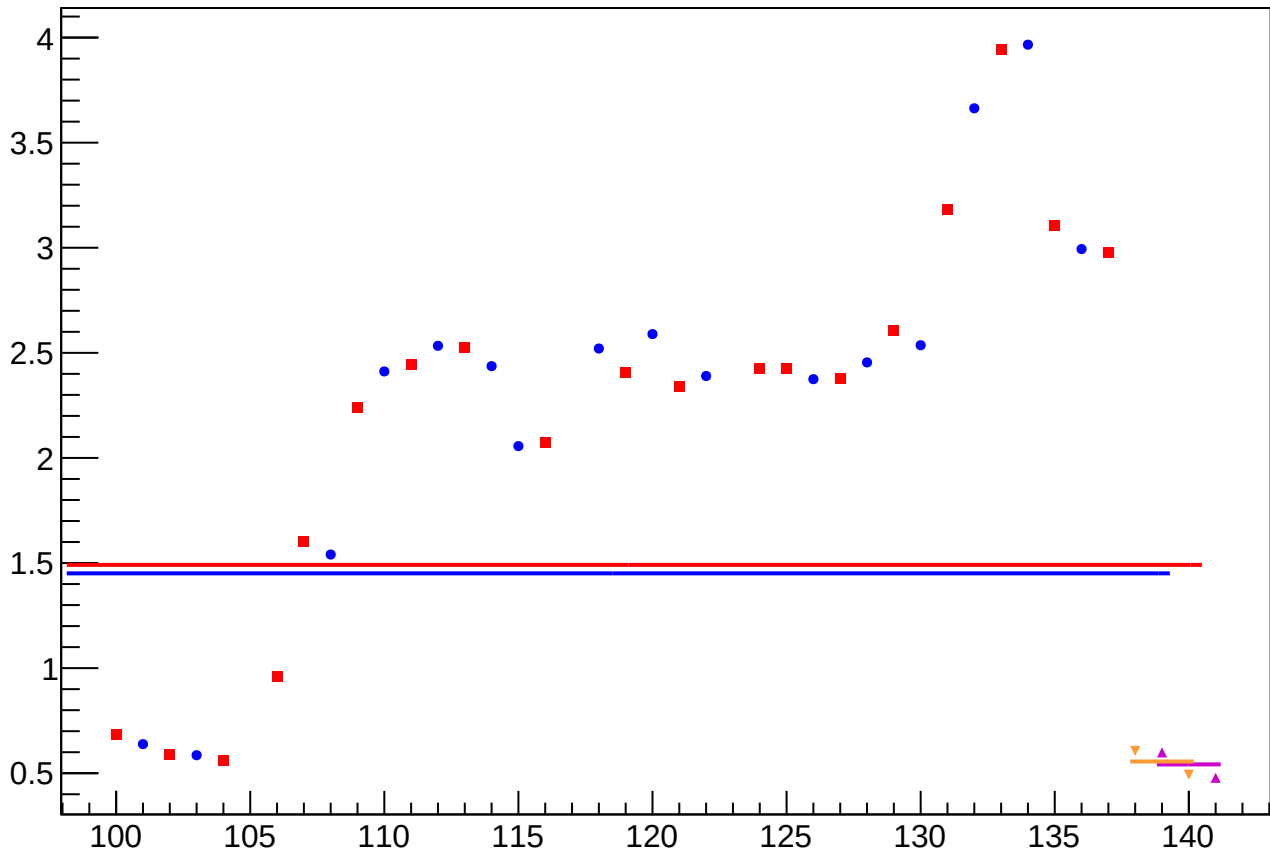
Left In: 0.008+/-0.000 χ^2/NDF : 247.0/1

+ sign 0.006+/-0.000 χ^2/NDF : 1471207.2/17

All: 0.006+/-0.000 χ^2/NDF : 2708222.8/38

- sign 0.006+/-0.000 χ^2/NDF : 1236716.1/20

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

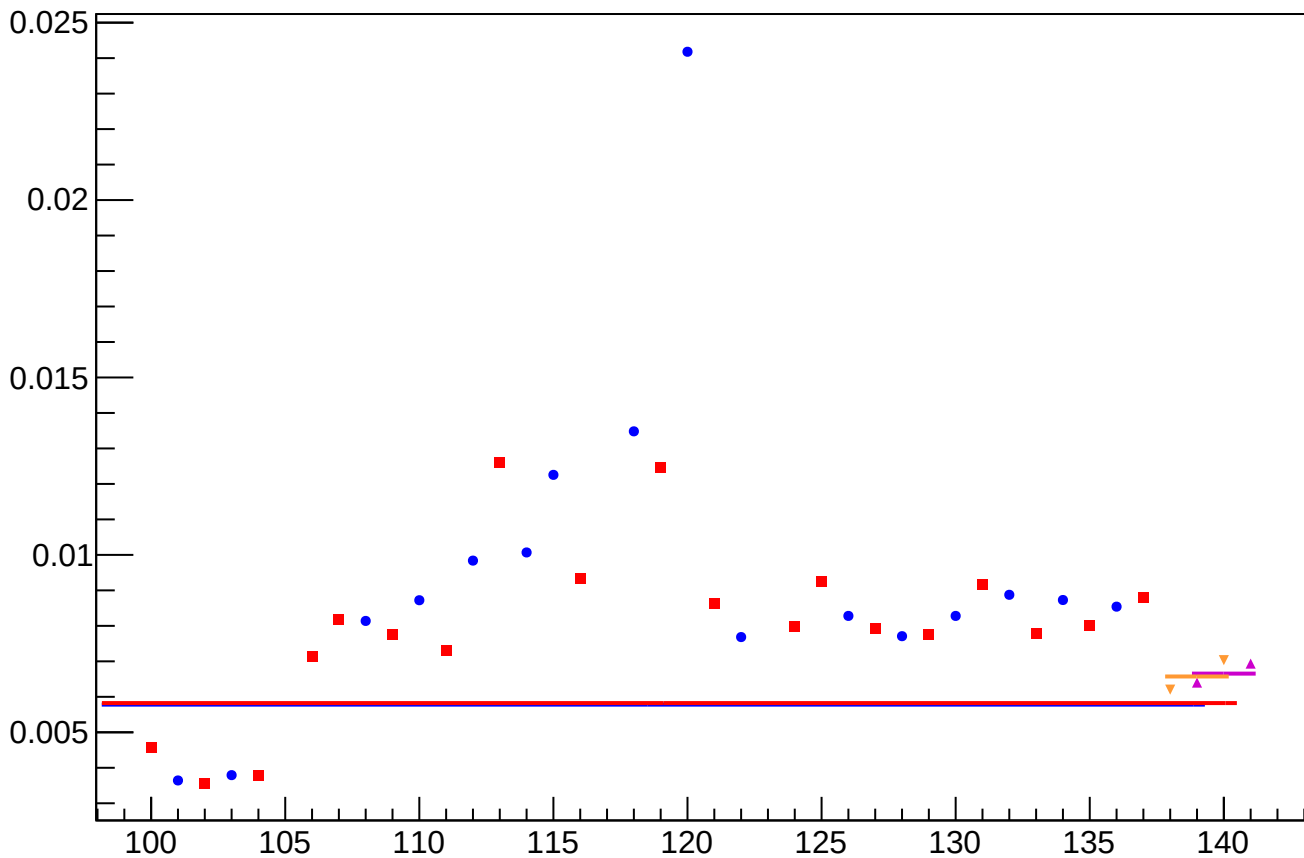
Left In: 0.542+/-0.000 χ^2/NDF : 100612102.4/1

+ sign 1.317+/-0.000 χ^2/NDF : 187730554378.8/17

All: 1.335+/-0.000 χ^2/NDF : 396184116581.1

- sign 1.352+/-0.000 χ^2/NDF : 208337820667.0/20

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF :9015.9/1

Right Out: 0.006+/-0.000 χ^2/NDF : 1955751.4/18

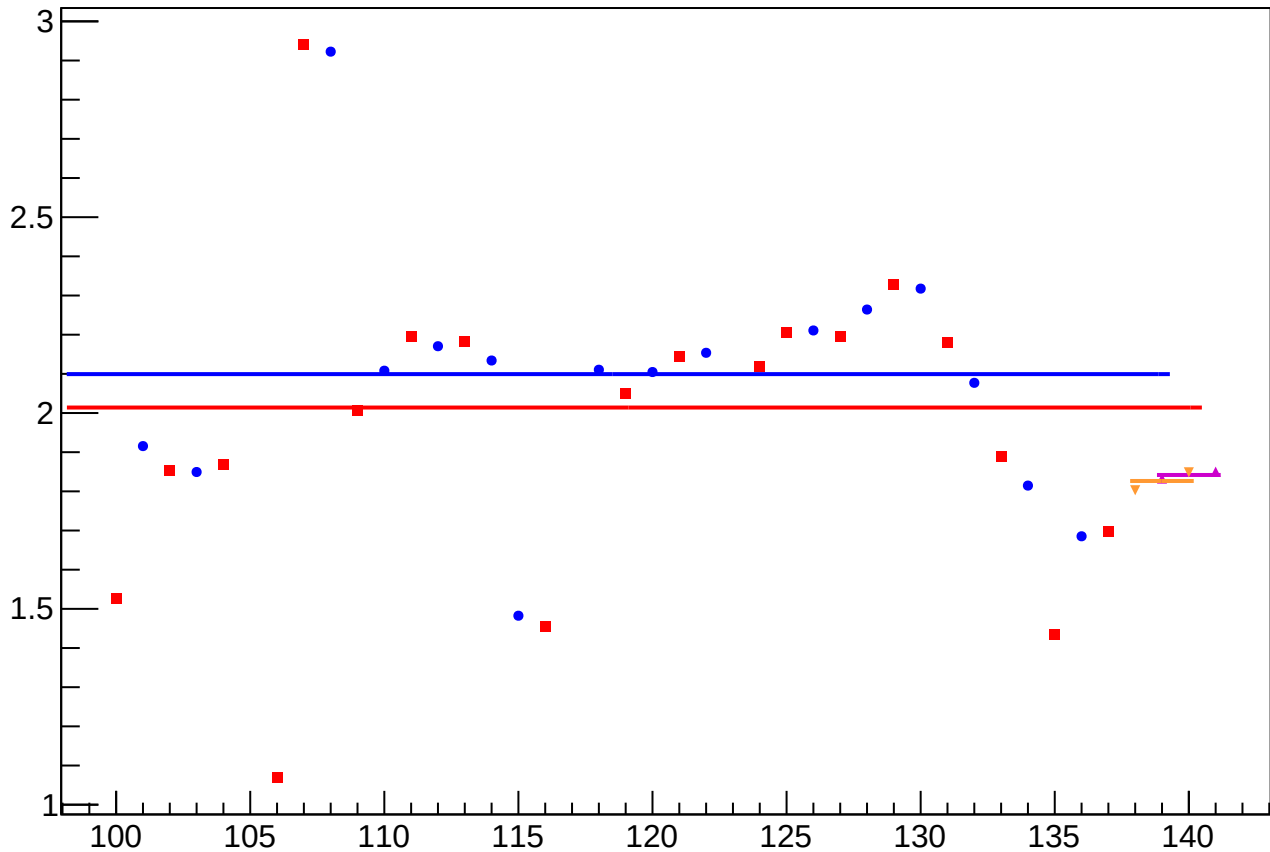
Left In: 0.007+/-0.000 χ^2/NDF :3952.3/1

+ sign 0.006+/-0.000 χ^2/NDF : 2251149.3/17

All: 0.006+/-0.000 χ^2/NDF : 4243799.6/38

- sign 0.006+/-0.000 χ^2/NDF : 1992265.8/20

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

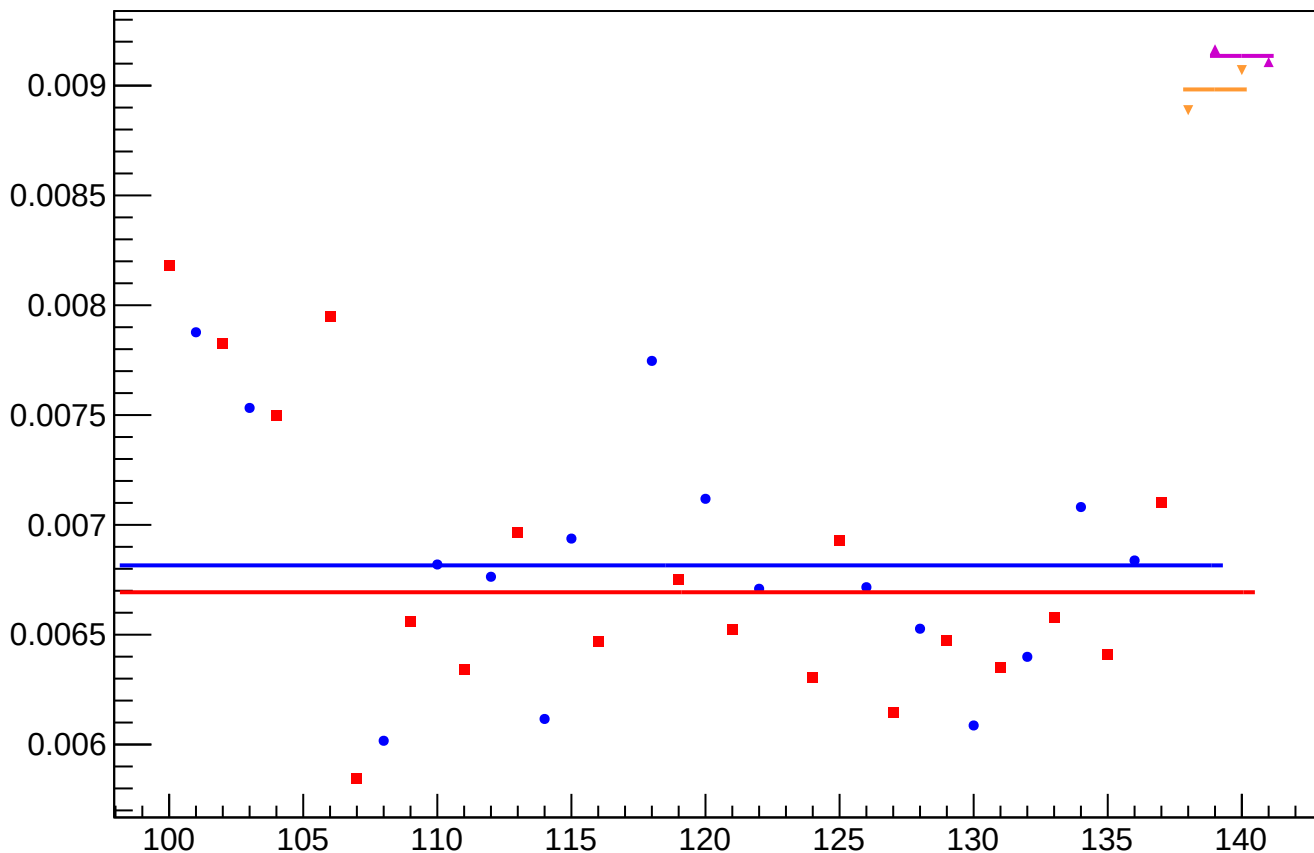
Left In: 1.842+/-0.000 χ^2/NDF : 1530330.4/1

+ sign 2.069+/-0.000 χ^2/NDF : 15142257699.4/17

All: 2.031+/-0.000 χ^2/NDF : 35744353958.2/3

- sign 1.995+/-0.000 χ^2/NDF : 20131521294.9/20

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 86781.0/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:302.4/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 87876.9/18

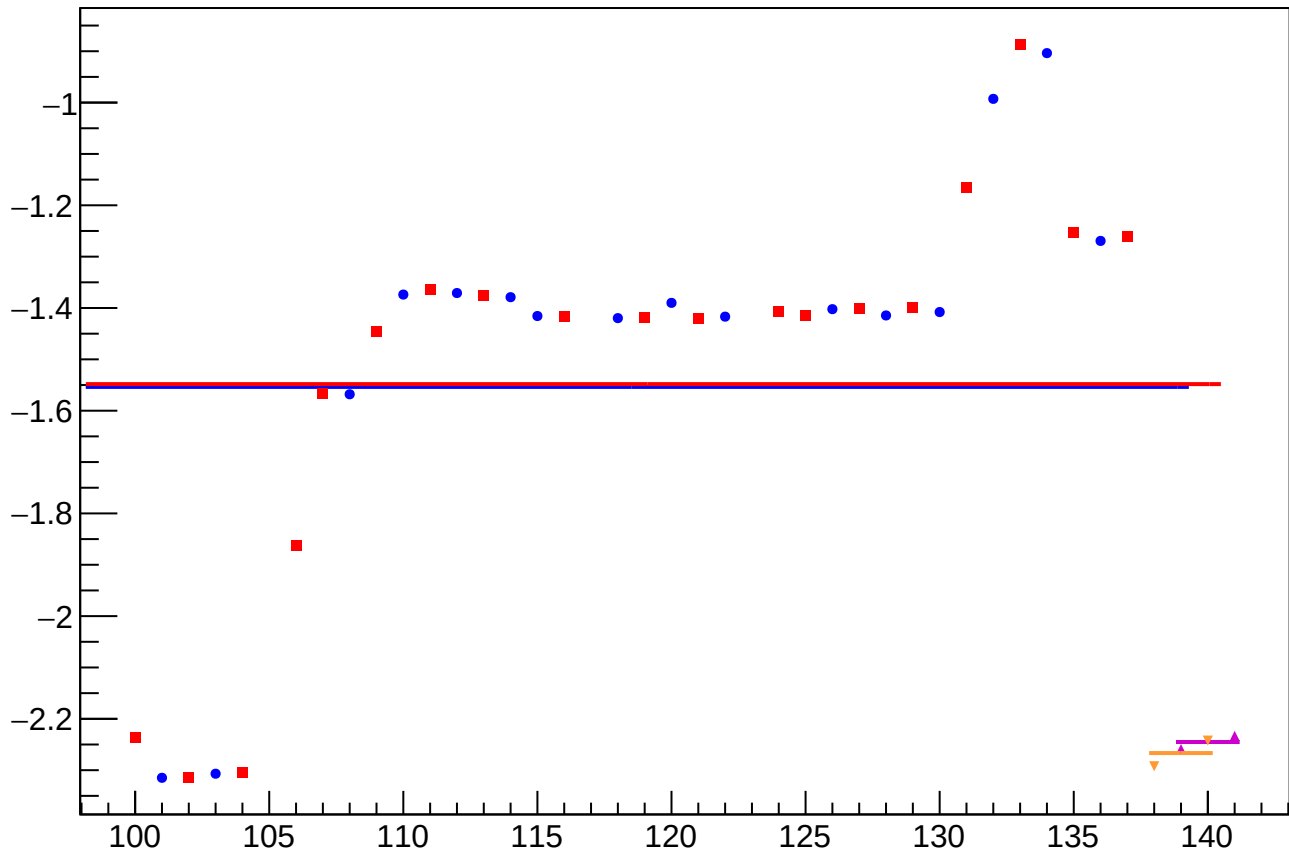
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:32.8/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 239015.4/17

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 535310.8/38

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 294738.7/20

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

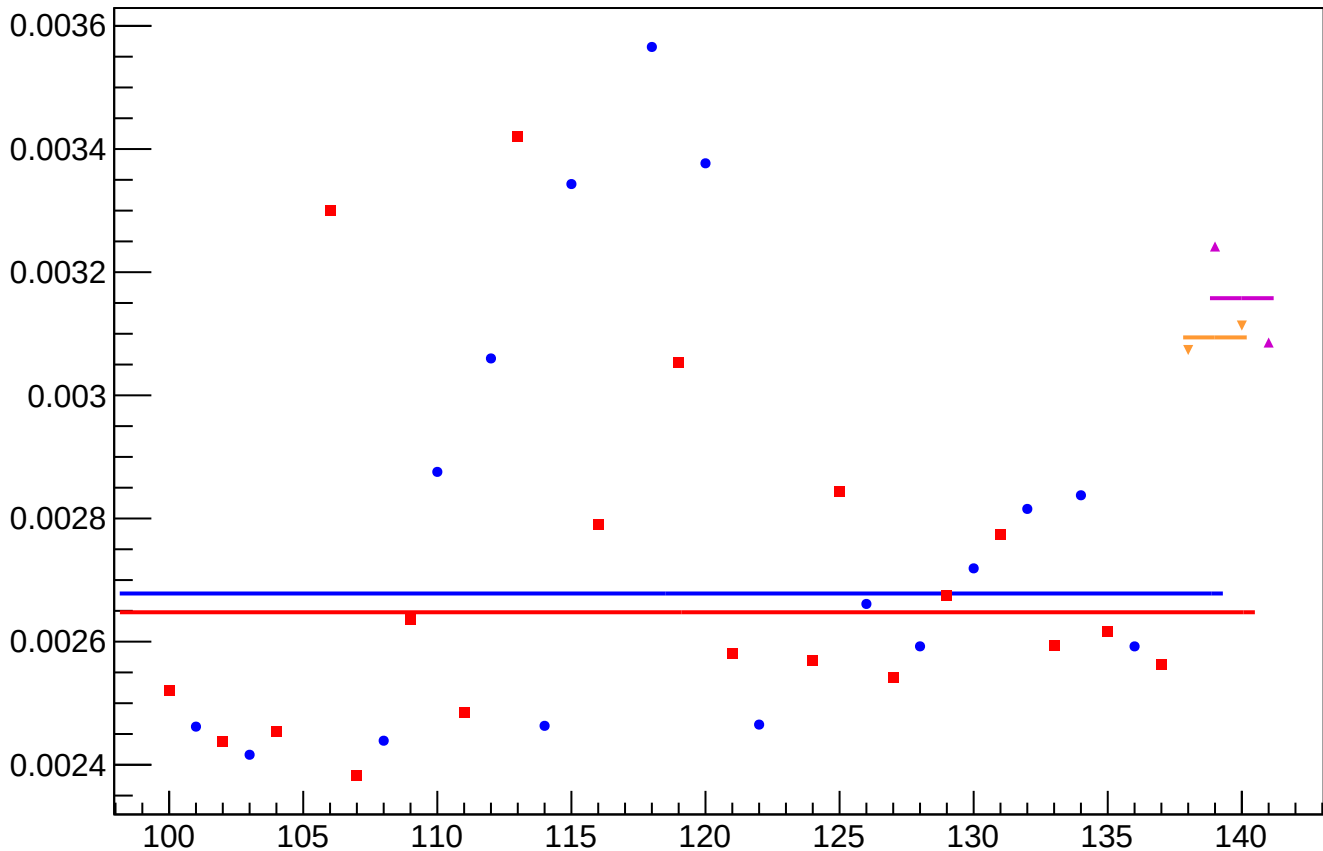
Left In: -2.245+/-0.000 χ^2/NDF : 24866259.0/1

+ sign -1.649+/-0.000 χ^2/NDF : 238778936537.9/17

All: -1.644+/-0.000 χ^2/NDF : 477866255194.0

- sign -1.640+/-0.000 χ^2/NDF : 239047618606.7/20

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF :113.8/1

Right Out: 0.003+/-0.000 χ^2/NDF : 116150.5/18

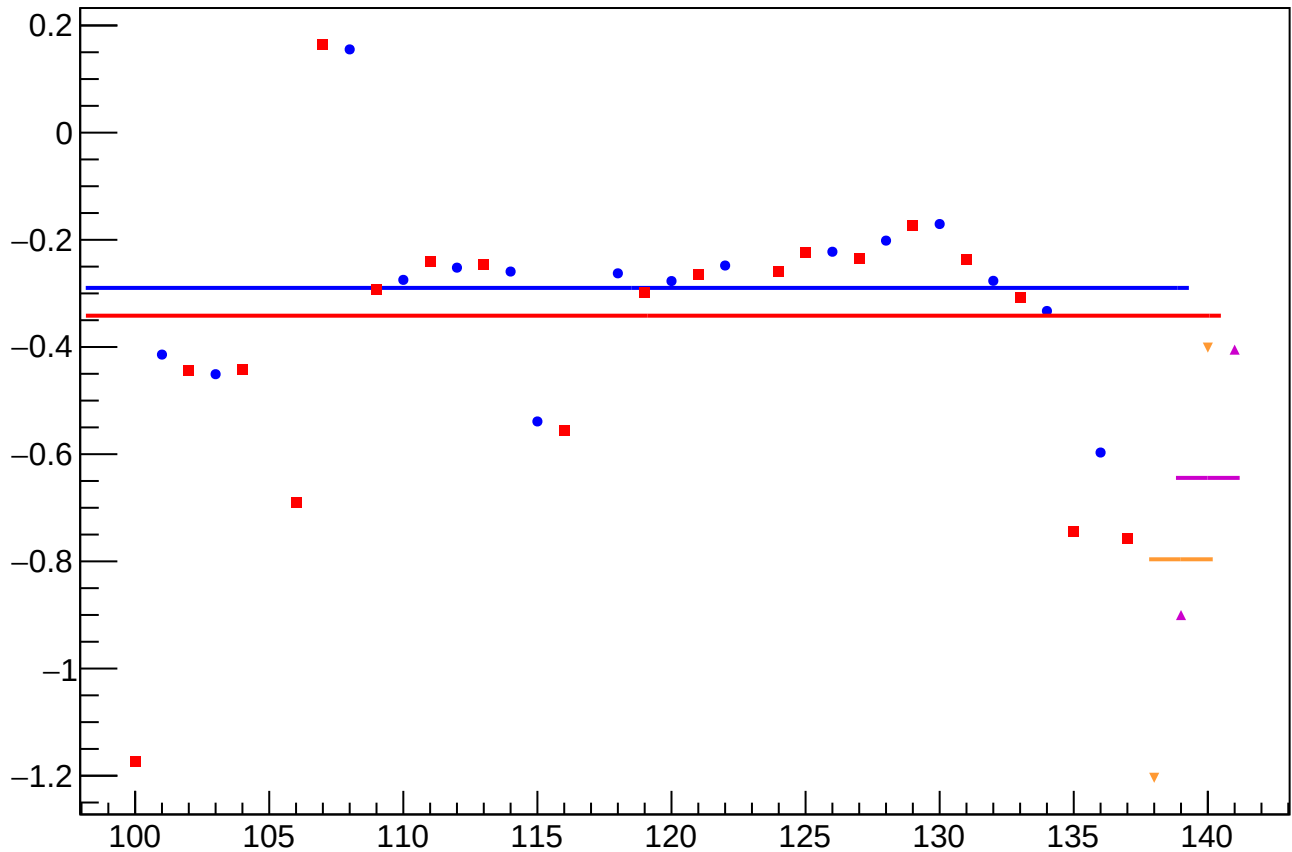
Left In: 0.003+/-0.000 χ^2/NDF :1843.0/1

+ sign 0.003+/-0.000 χ^2/NDF : 201213.0/17

All: 0.003+/-0.000 χ^2/NDF : 388454.5/38

- sign 0.003+/-0.000 χ^2/NDF : 186857.9/20

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

+ sign -0.345+/-0.000 χ^2/NDF : 4142038603.0/17

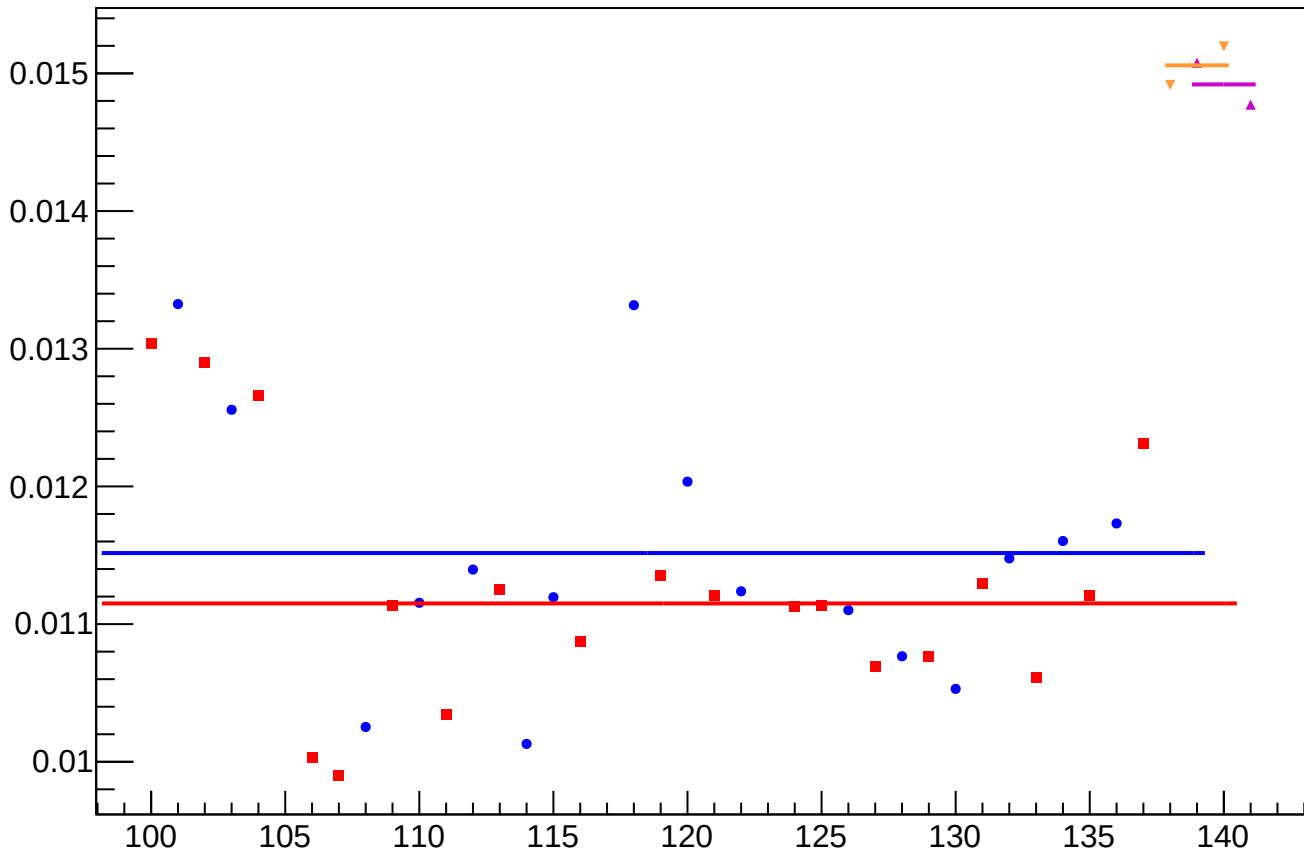
Right Out: -0.342+/-0.000 χ^2/NDF : 2609243421.7/18

All: -0.361+/-0.000 χ^2/NDF : 7815049677.2/3

- sign -0.375+/-0.000 χ^2/NDF : 3645423242.4/20

Left In: -0.644+/-0.000 χ^2/NDF : 444730601.5/1

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

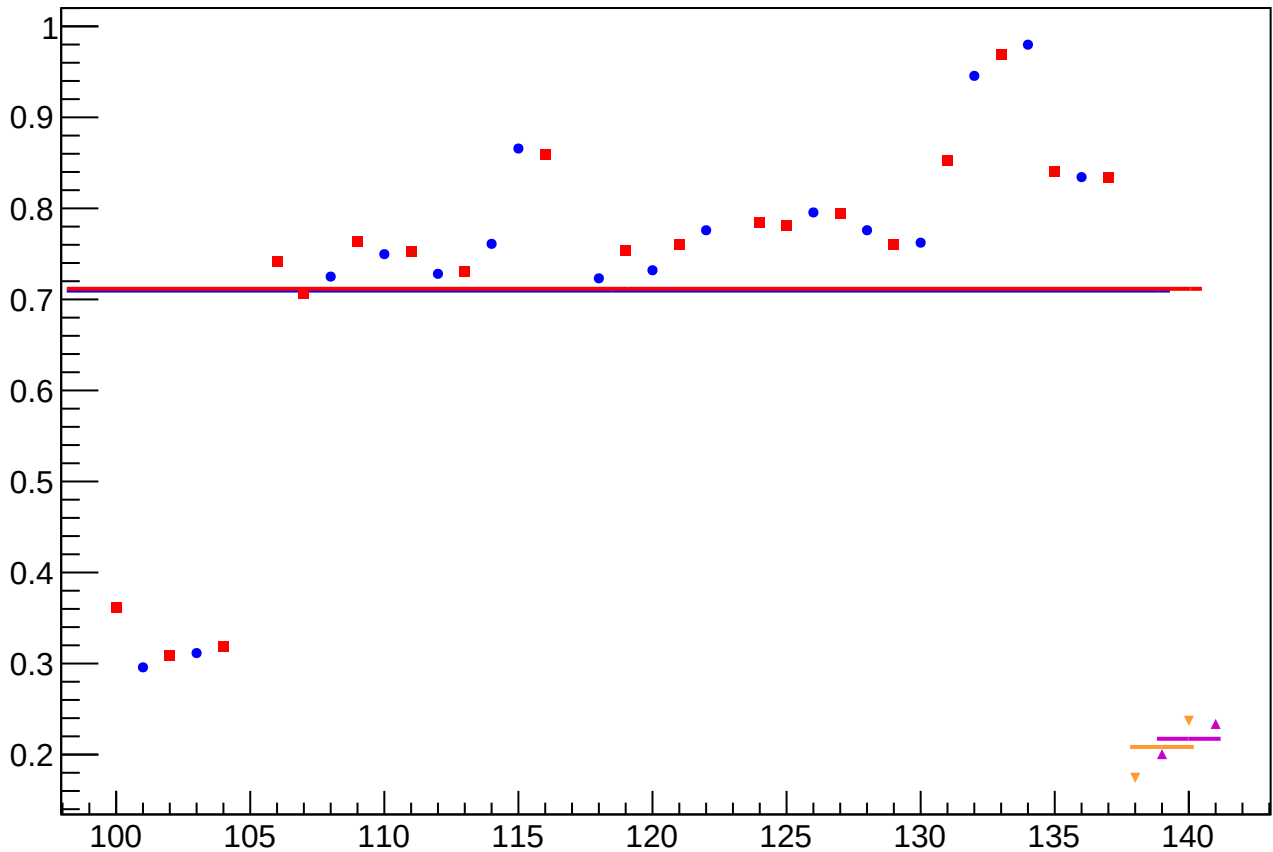
Left In: 0.015+/-0.000 χ^2/NDF :335.7/1

+ sign 0.012+/-0.000 χ^2/NDF : 227808.7/17

All: 0.012+/-0.000 χ^2/NDF : 489232.9/38

- sign 0.012+/-0.000 χ^2/NDF : 254406.0/20

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

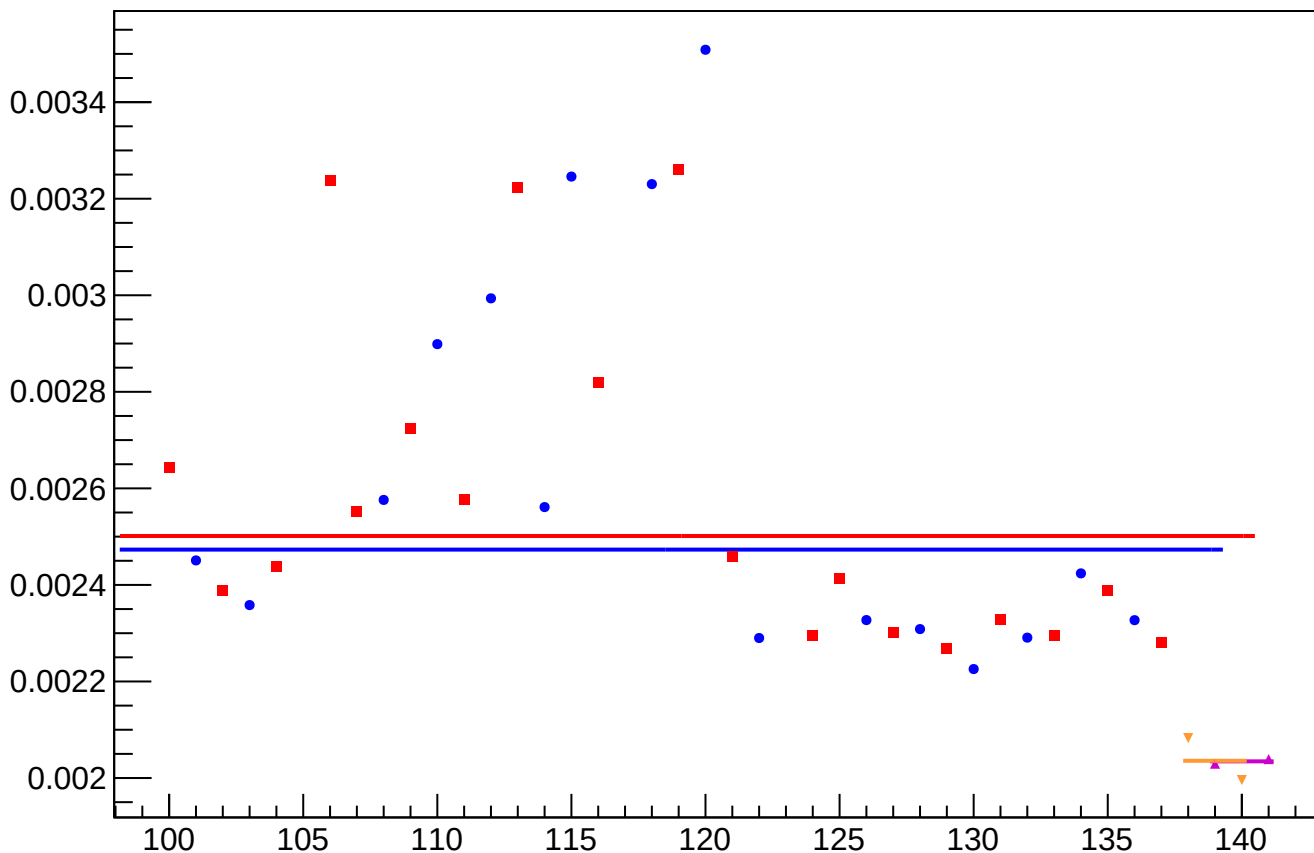
Left In: 0.217 $\pm$ 0.000 χ^2 /NDF: 114332880.9/1

+ sign 0.580 $\pm$ 0.000 χ^2 /NDF: 121621498613.6/17

All: 0.579 $\pm$ 0.000 χ^2 /NDF: 239992390468.5

- sign 0.578 $\pm$ 0.000 χ^2 /NDF: 118367980868.9/20

yield_bpm0l07Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 208046.5/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1456.4/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 177427.2/18

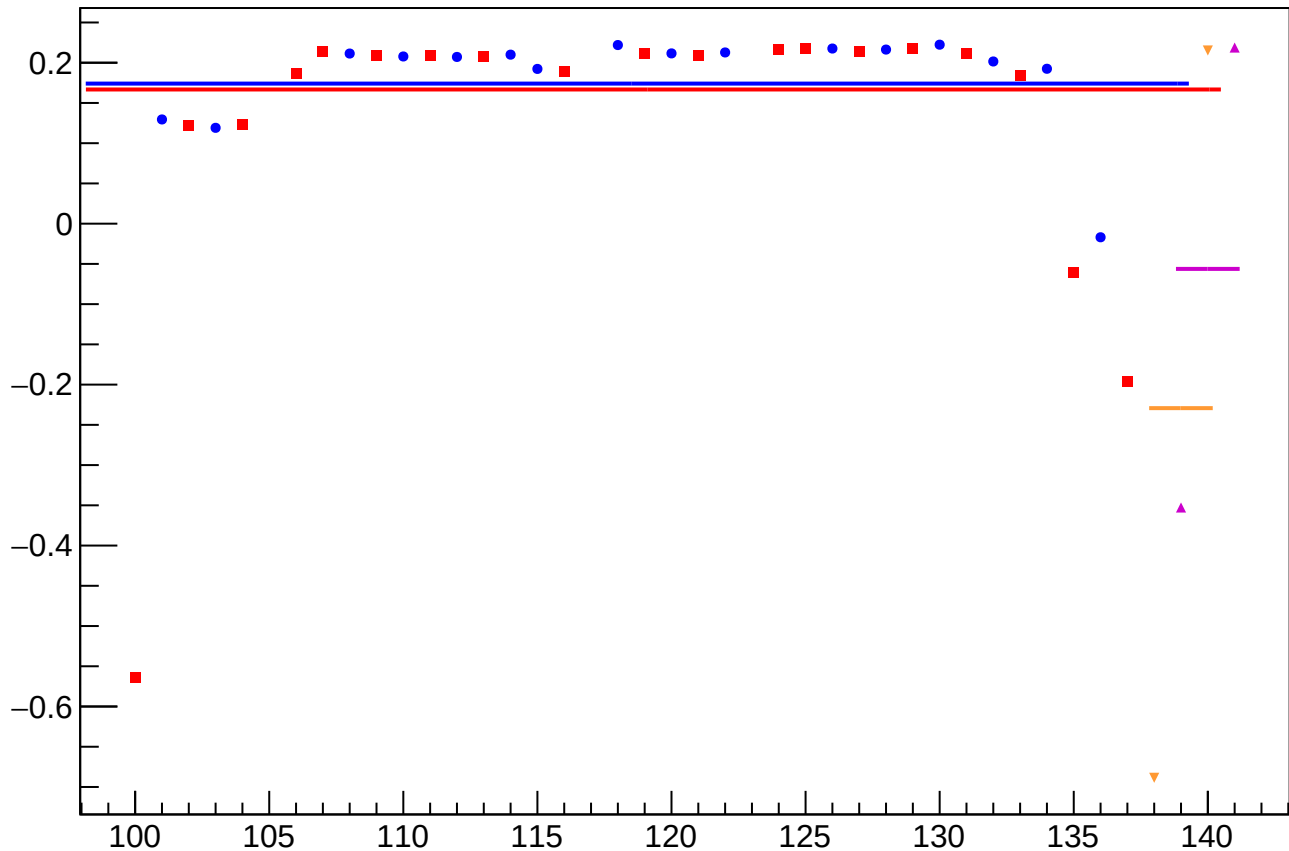
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:18.8/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 319602.2/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 629528.9/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 309574.0/20

yield_bpm0l08X_mean vs Slug



Right In: 0.174 $\pm$ 0.000 χ^2 /NDF: 401946344.0/15

Left Out: -0.229 $\pm$ 0.000 χ^2 /NDF: 1615710988.7/1

Right Out: 0.167 $\pm$ 0.000 χ^2 /NDF: 894131198.6/18

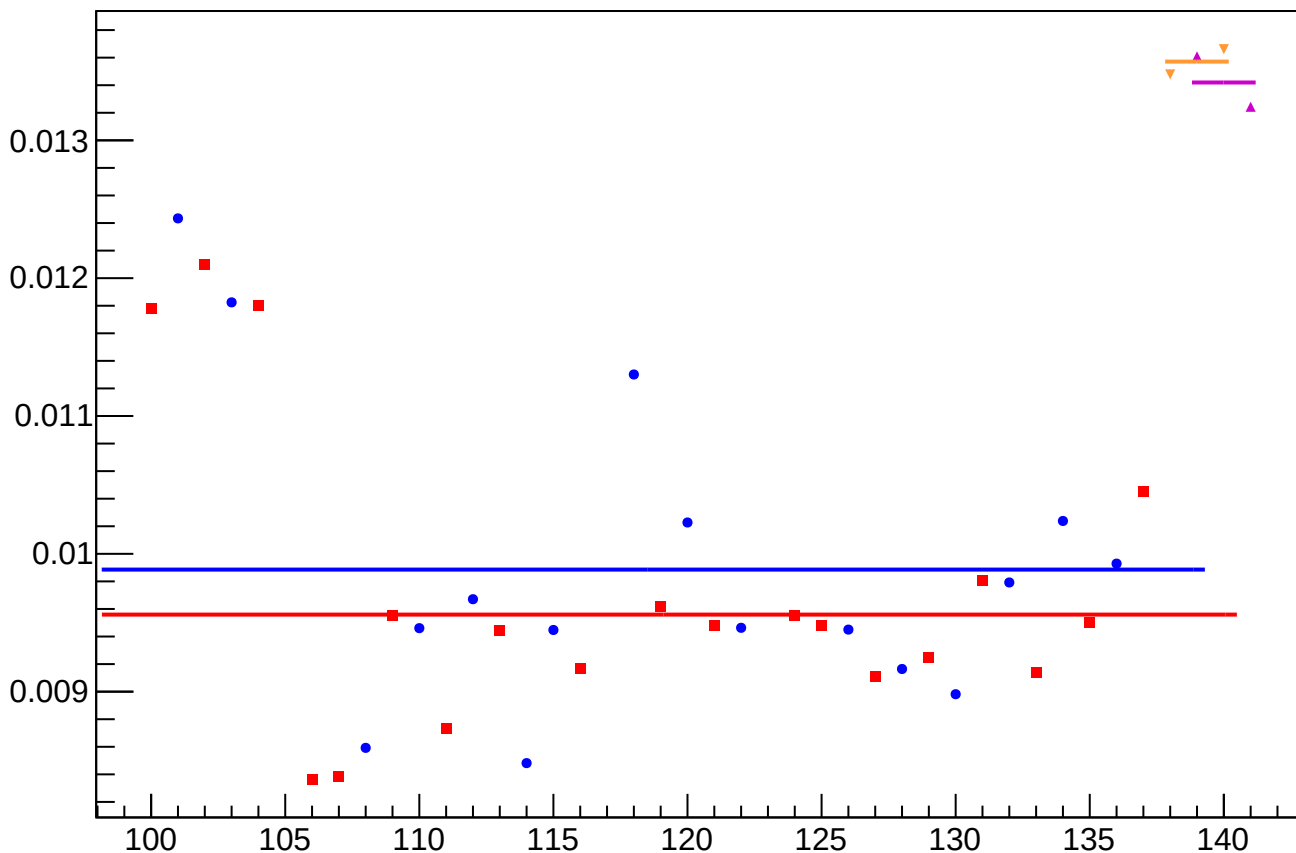
Left In: -0.056 $\pm$ 0.000 χ^2 /NDF: 734641933.7/1

+ sign 0.133 $\pm$ 0.000 χ^2 /NDF: 3174459219.5/17

All: 0.139 $\pm$ 0.000 χ^2 /NDF: 5209776350.1/38

- sign 0.144 $\pm$ 0.000 χ^2 /NDF: 2030603917.1/20

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

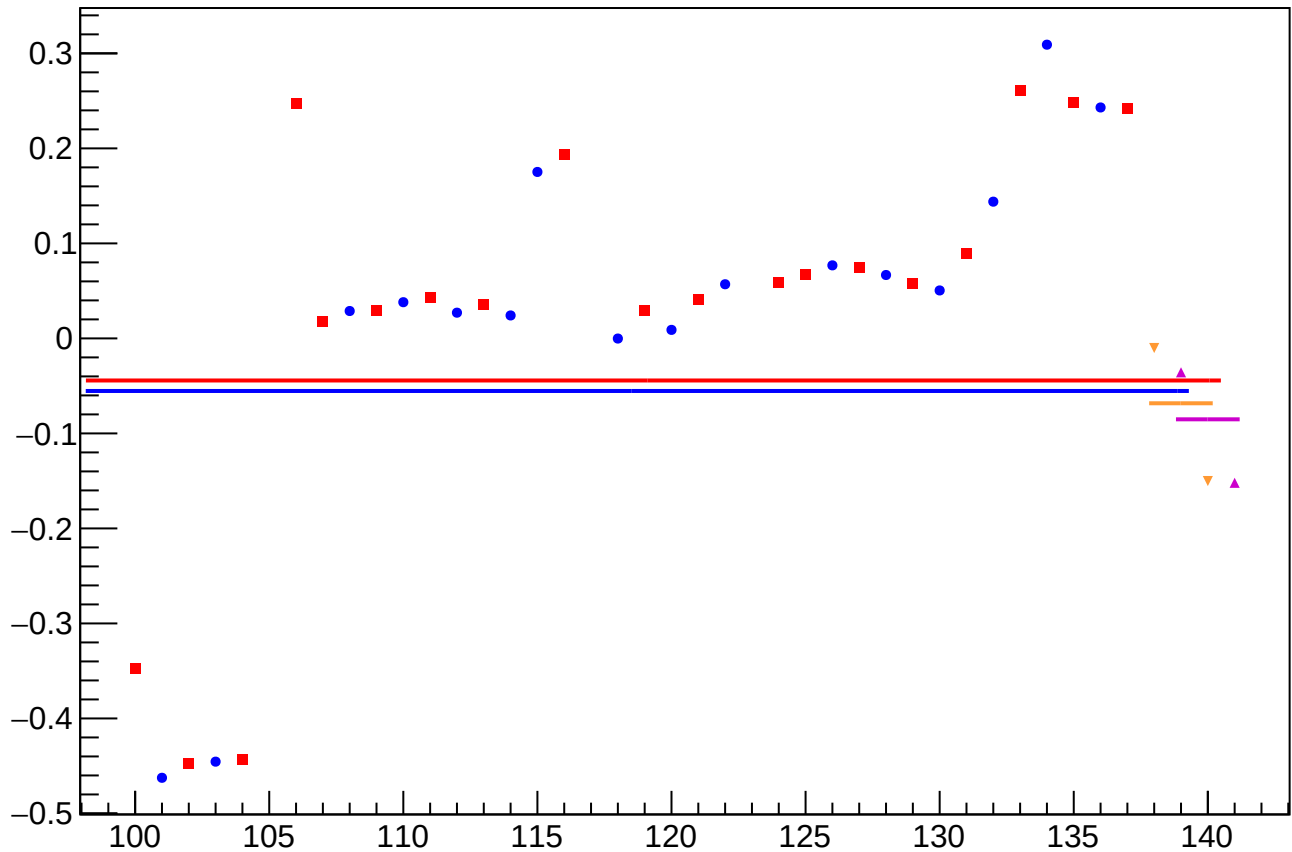
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:600.8/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 341916.7/17

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 727335.0/38

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 377776.6/20

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

Right Out: -0.044+/-0.000 χ^2/NDF : 22136167141.7/18

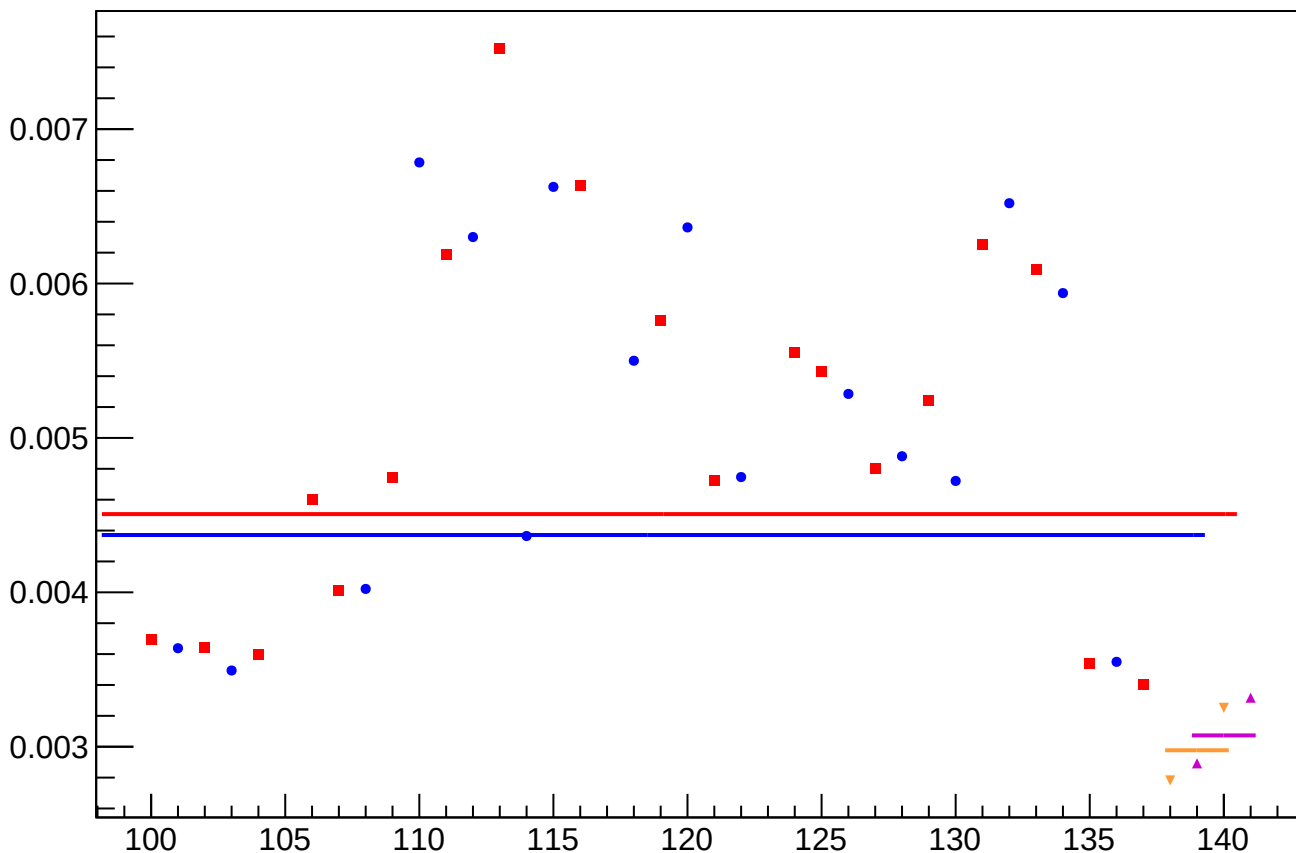
Left In: -0.085+/-0.000 χ^2/NDF : 558645986.5/1

+ sign -0.060+/-0.000 χ^2/NDF : 24873698971.0/17

All: -0.059+/-0.000 χ^2/NDF : 47752542177.2/1

- sign -0.059+/-0.000 χ^2/NDF : 22878536910.0/20

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

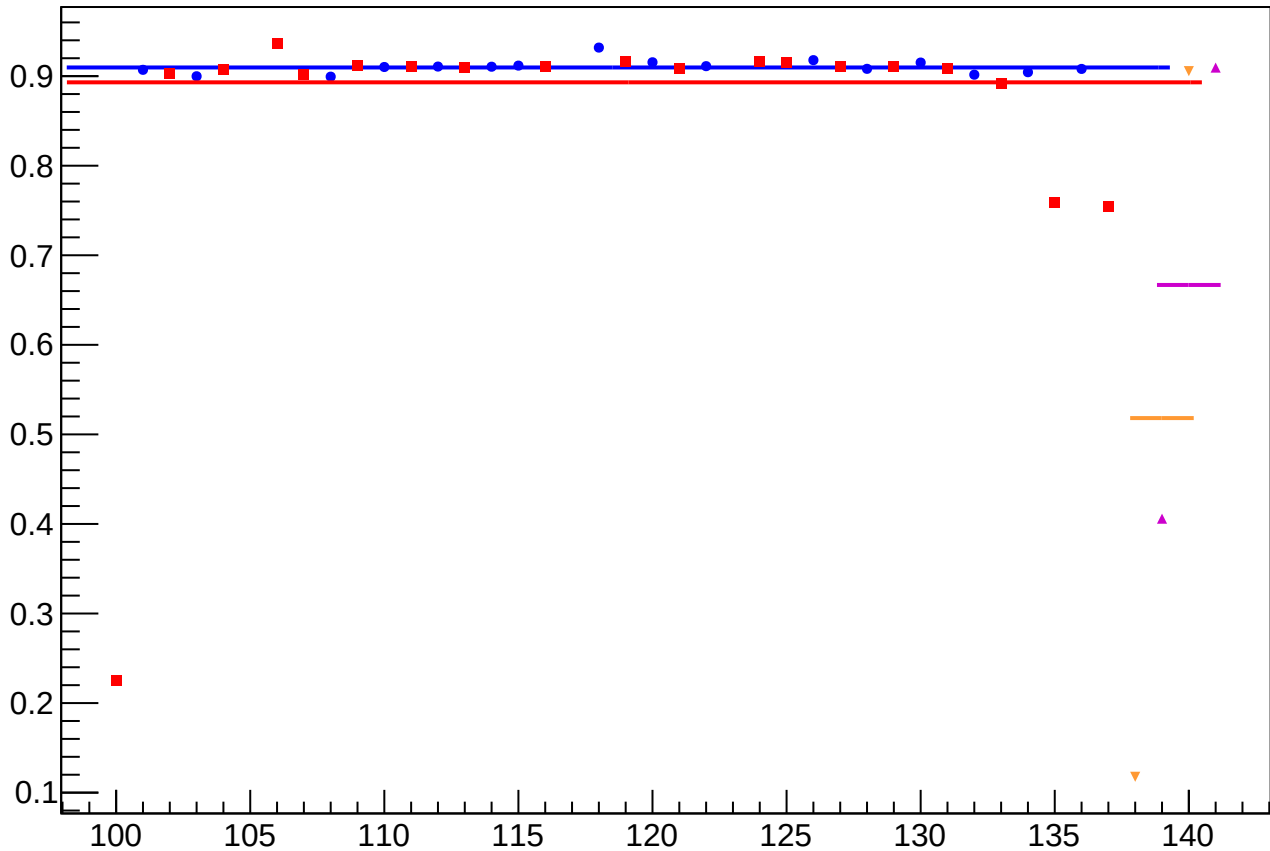
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:14943.2/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1096569.9/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2273078.9/38

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1171217.2/20

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

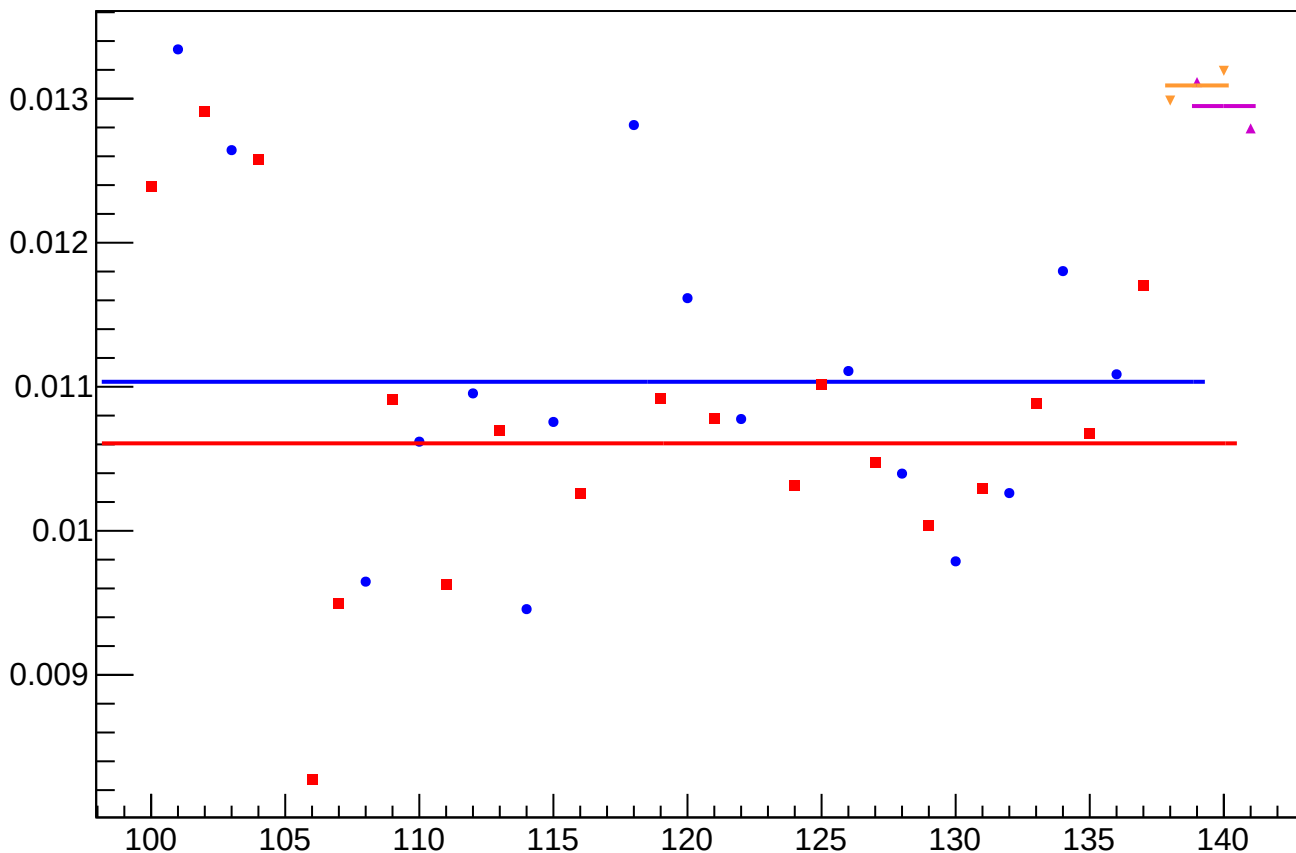
Left In: 0.667 $\pm$ 0.000 χ^2 /NDF:618765029.6/1

+ sign 0.858 $\pm$ 0.000 χ^2 /NDF: 2482686974.1/17

All: 0.861 $\pm$ 0.000 χ^2 /NDF: 3864241764.6/38

- sign 0.863 $\pm$ 0.000 χ^2 /NDF: 1380589407.7/20

yield_bpm0l09X_rms vs Slug



Right In: 0.011 ± 0.000 χ^2/NDF : 130353.1/15

Left Out: 0.013 ± 0.000 χ^2/NDF : 183.6/1

Right Out: 0.011 ± 0.000 χ^2/NDF : 143947.4/18

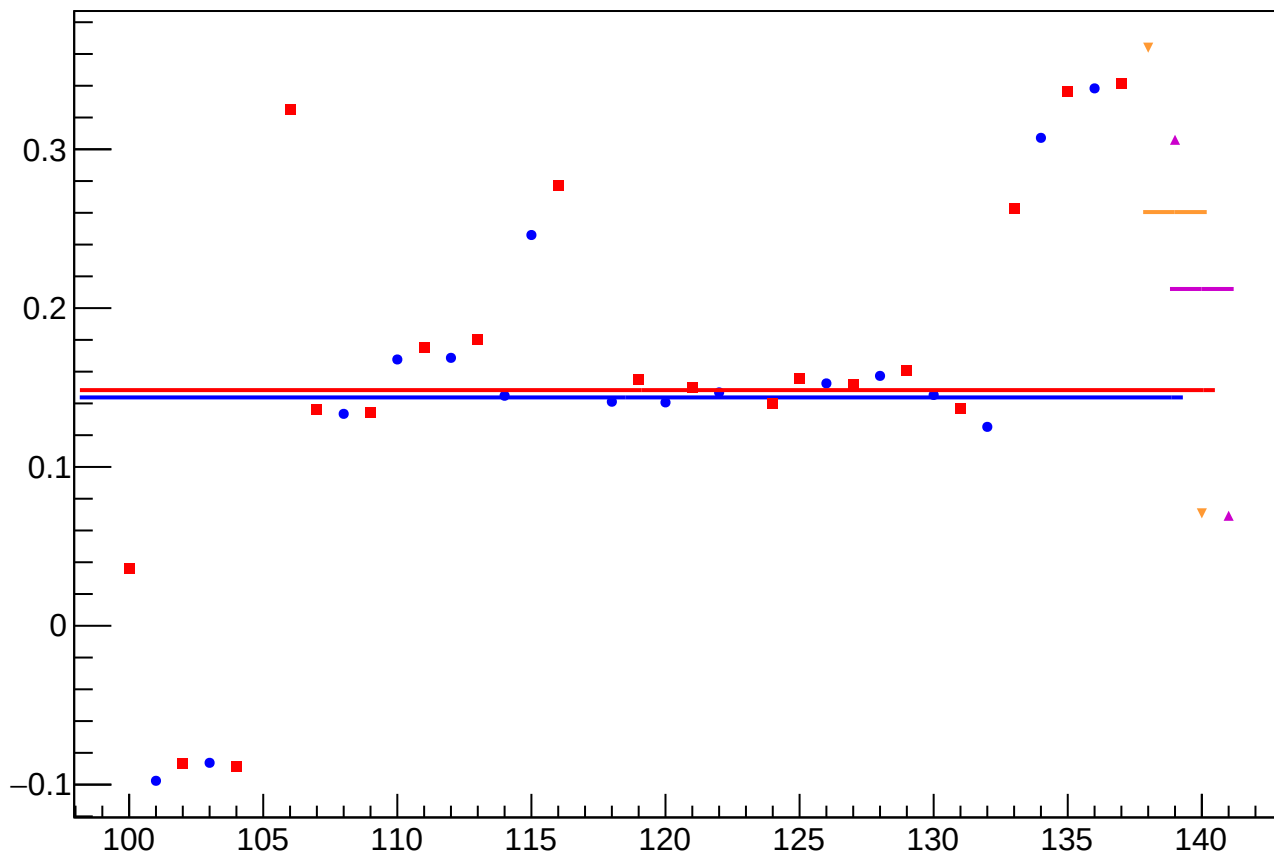
Left In: 0.013 ± 0.000 χ^2/NDF : 504.2/1

+ sign 0.011 ± 0.000 χ^2/NDF : 193736.6/17

All: 0.011 ± 0.000 χ^2/NDF : 441631.0/38

- sign 0.011 ± 0.000 χ^2/NDF : 237392.3/20

yield_bpm0l09Y_mean vs Slug



Right In: 0.144 $\pm$ 0.000 χ^2/NDF : 7867304536.4/15

Left Out: 0.260 $\pm$ 0.000 χ^2/NDF : 2295734735.7/1

Right Out: 0.148 $\pm$ 0.000 χ^2/NDF : 7128567107.5/18

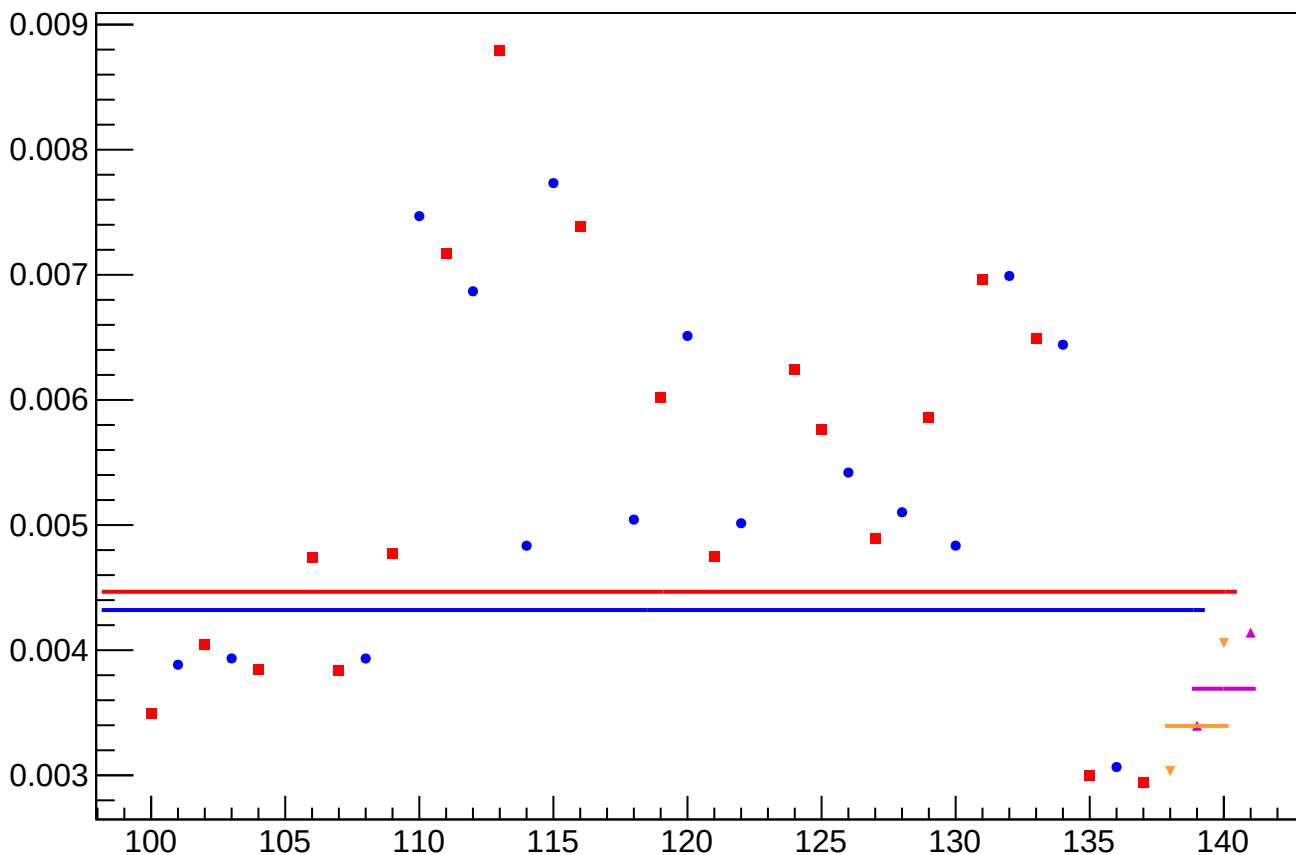
Left In: 0.212 $\pm$ 0.000 χ^2/NDF : 1484708606.4/1

+ sign 0.176 $\pm$ 0.000 χ^2/NDF : 11315851763.9/17

All: 0.171 $\pm$ 0.000 χ^2/NDF : 20278427797.6/3

- sign 0.166 $\pm$ 0.000 χ^2/NDF : 8940326717.0/20

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 878343.4/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:56001.1/1

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1085759.3/18

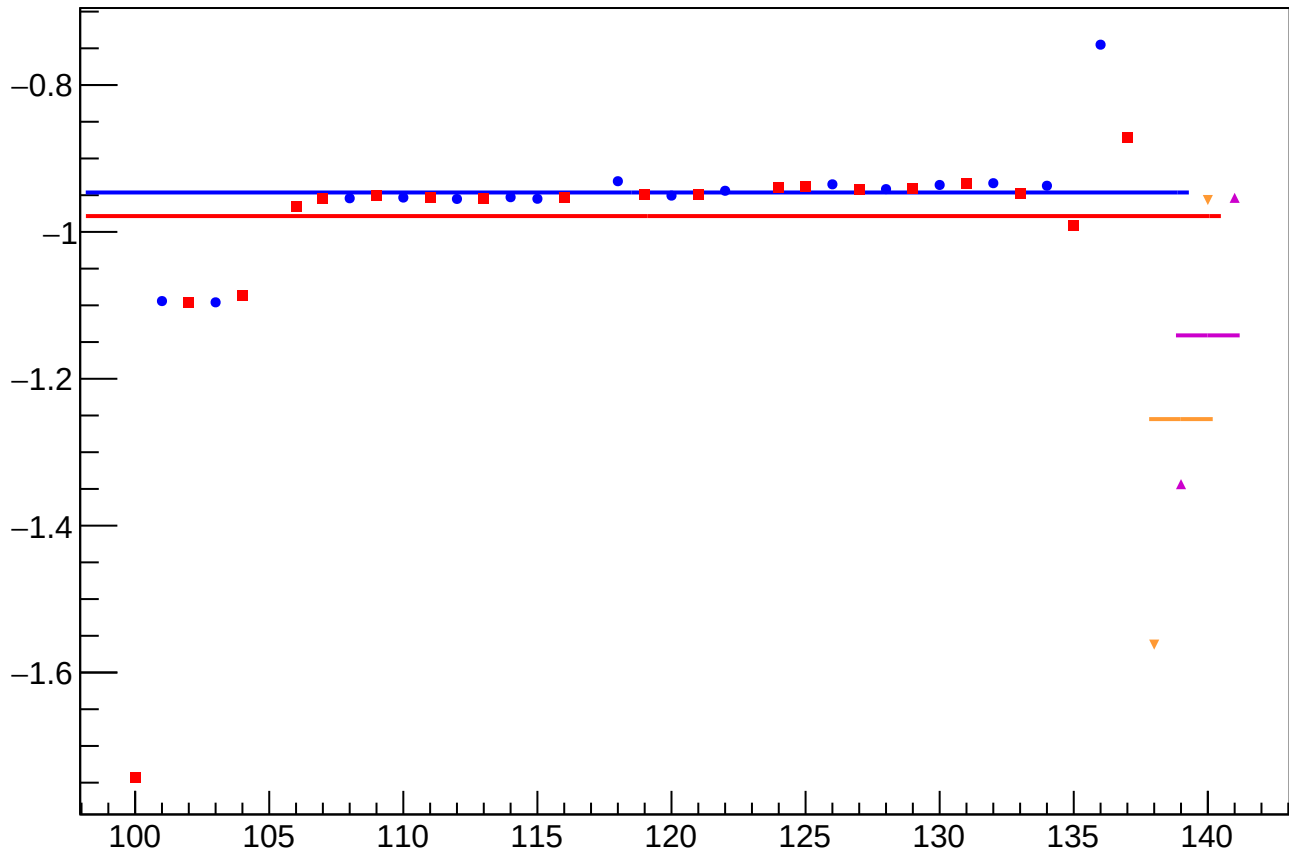
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:29365.8/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1079600.5/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2306954.3/38

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1212097.2/20

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

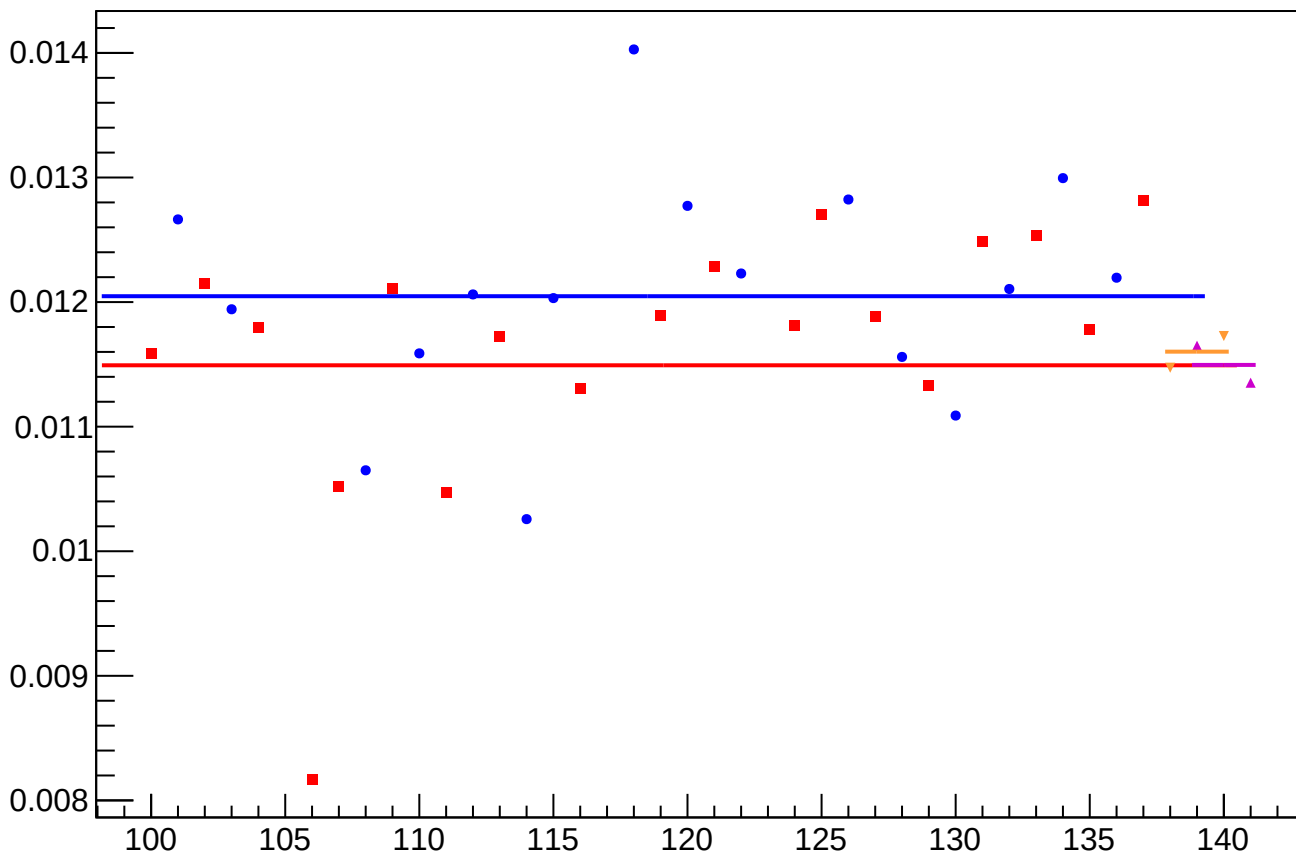
Left In: -1.141+/-0.000 χ^2/NDF : 474111389.9/1

+ sign -1.005+/-0.000 χ^2/NDF : 2273623018.3/17

All: -1.007+/-0.000 χ^2/NDF : 3477316744.5/3

- sign -1.009+/-0.000 χ^2/NDF : 1203178487.5/20

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 62476.3/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 358.7/1

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 151309.4/18

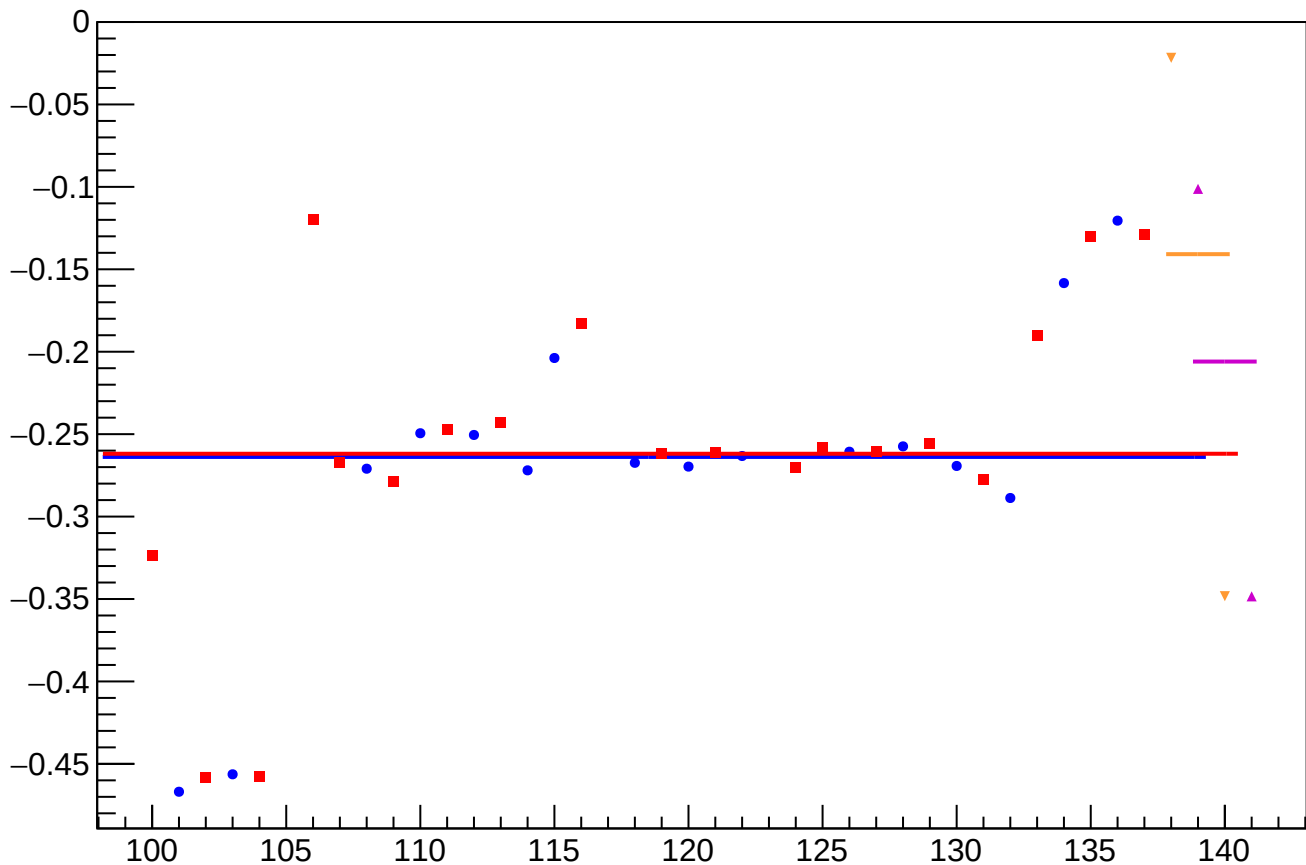
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 549.9/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 66389.9/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 231985.4/38

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 151859.4/20

yield_bpm0l10Y_mean vs Slug



Right In: -0.264 $\pm$ 0.000 χ^2 /NDF: 6106171444.3/15

Left Out: -0.141 $\pm$ 0.000 χ^2 /NDF: 2124275935.8/1

Right Out: -0.262 $\pm$ 0.000 χ^2 /NDF: 5250043427.3/18

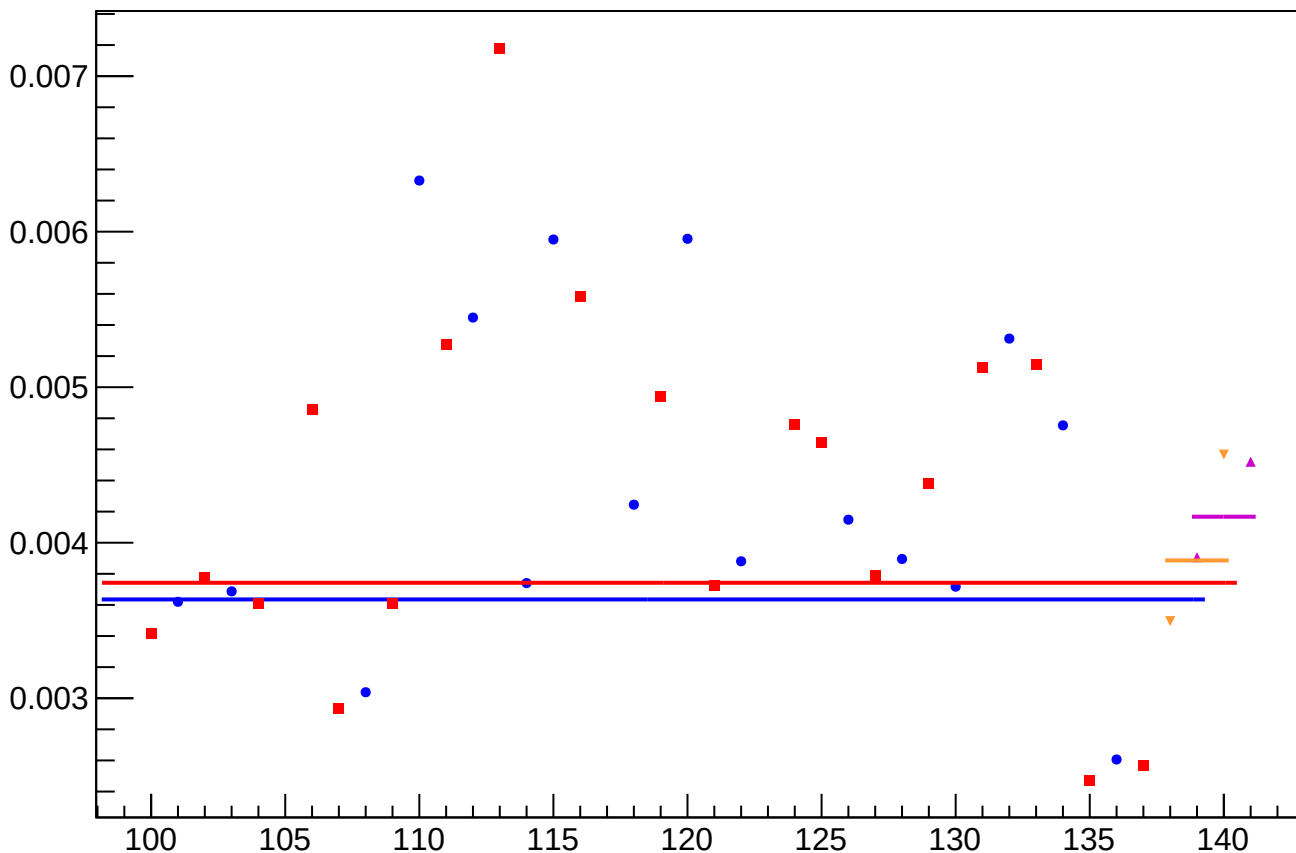
Left In: -0.206 $\pm$ 0.000 χ^2 /NDF: 1255456131.1/1

+ sign -0.244 $\pm$ 0.000 χ^2 /NDF: 9316852407.5/17

All: -0.248 $\pm$ 0.000 χ^2 /NDF: 16064157217.9/1

- sign -0.253 $\pm$ 0.000 χ^2 /NDF: 6725558611.7/20

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 728598.9/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:45681.1/1

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 894189.4/18

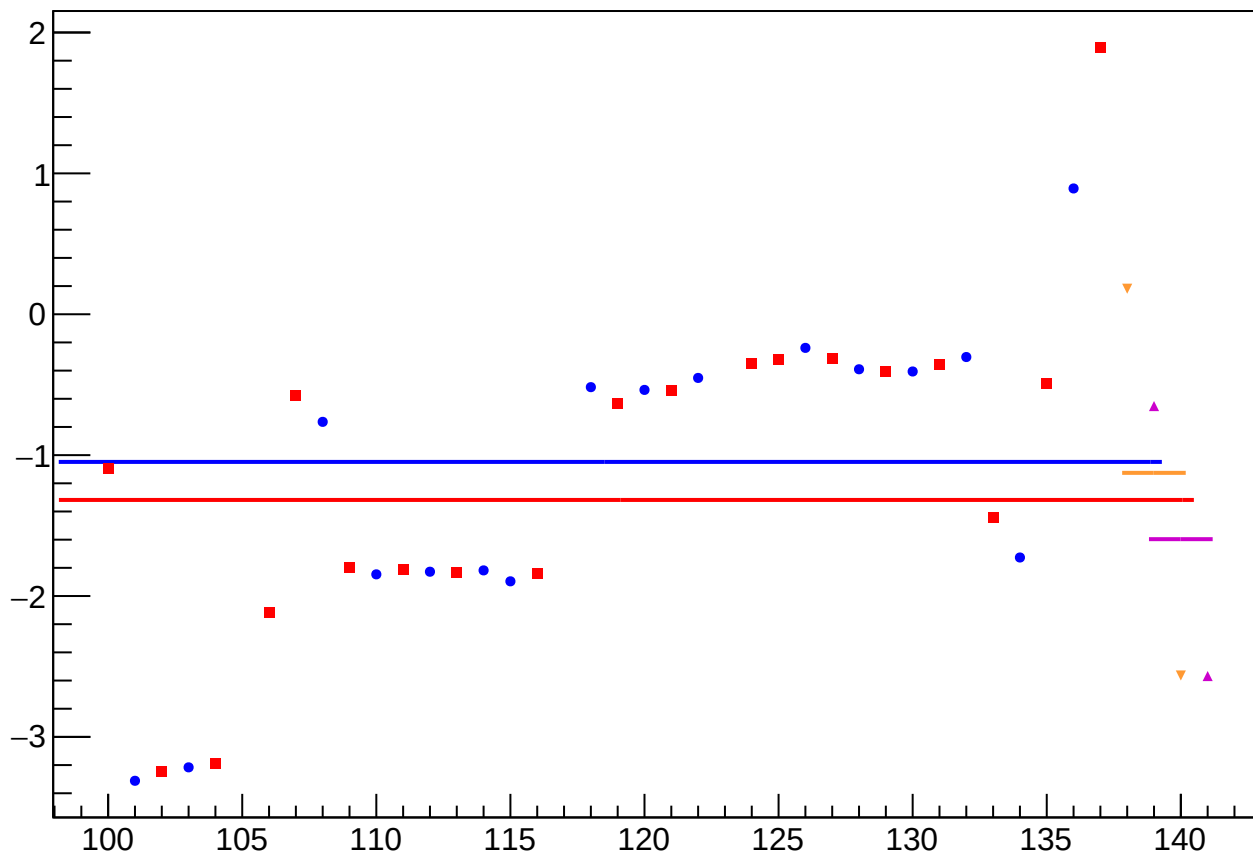
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:15477.4/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 783325.6/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 1727885.4/38

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 935047.8/20

yield_bpm0r03X_mean vs Slug



Right In: -1.048 ± 0.000 χ^2/NDF : 2347020985.5/15

Left Out: -1.126 ± 0.000 χ^2/NDF : 539927158.2/1

Right Out: -1.318 ± 0.000 χ^2/NDF : 1847995615.1/18

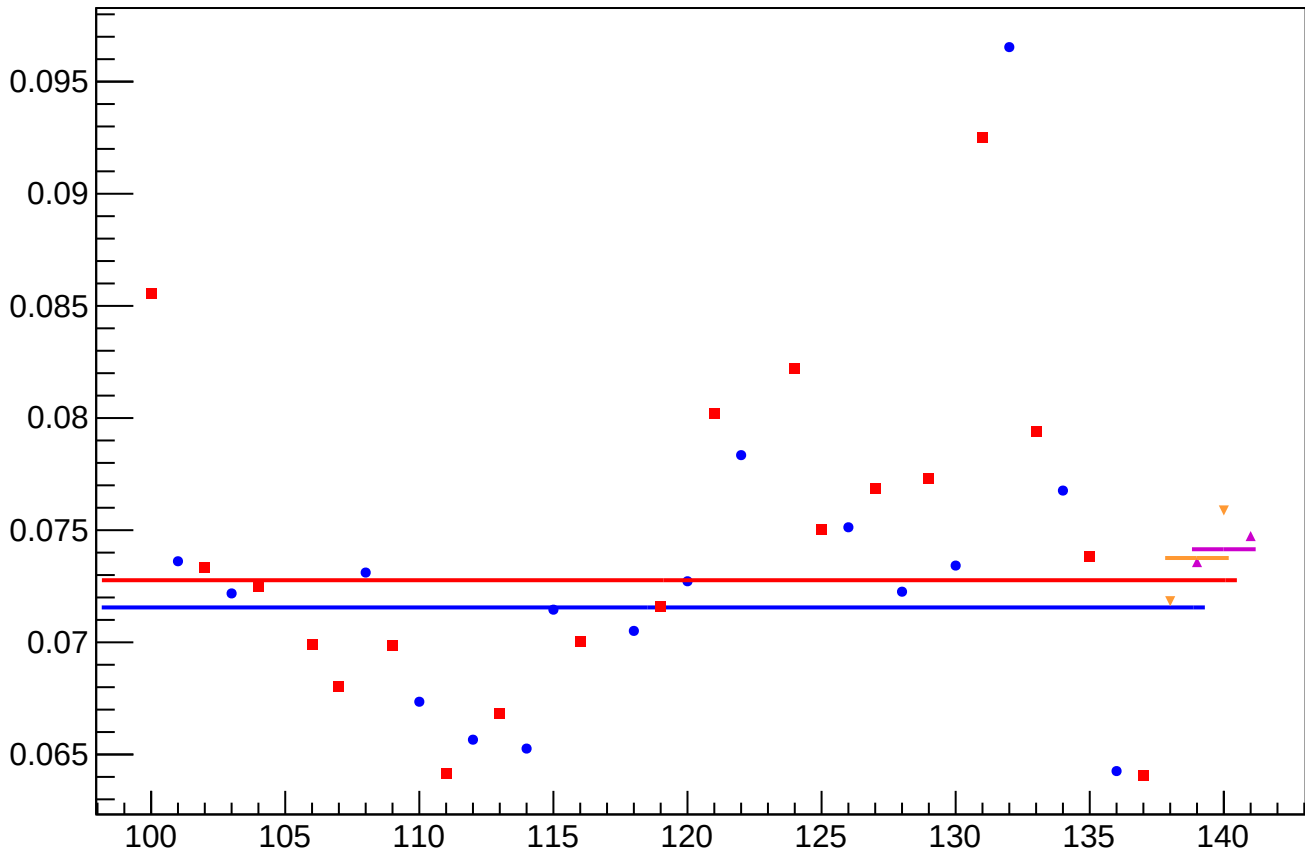
Left In: -1.596 ± 0.000 χ^2/NDF : 281816024.1/1

+ sign -1.062 ± 0.000 χ^2/NDF : 2888379700.7/17

All: -1.216 ± 0.000 χ^2/NDF : 5116429455.6/3

- sign -1.369 ± 0.000 χ^2/NDF : 2149253947.9/20

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

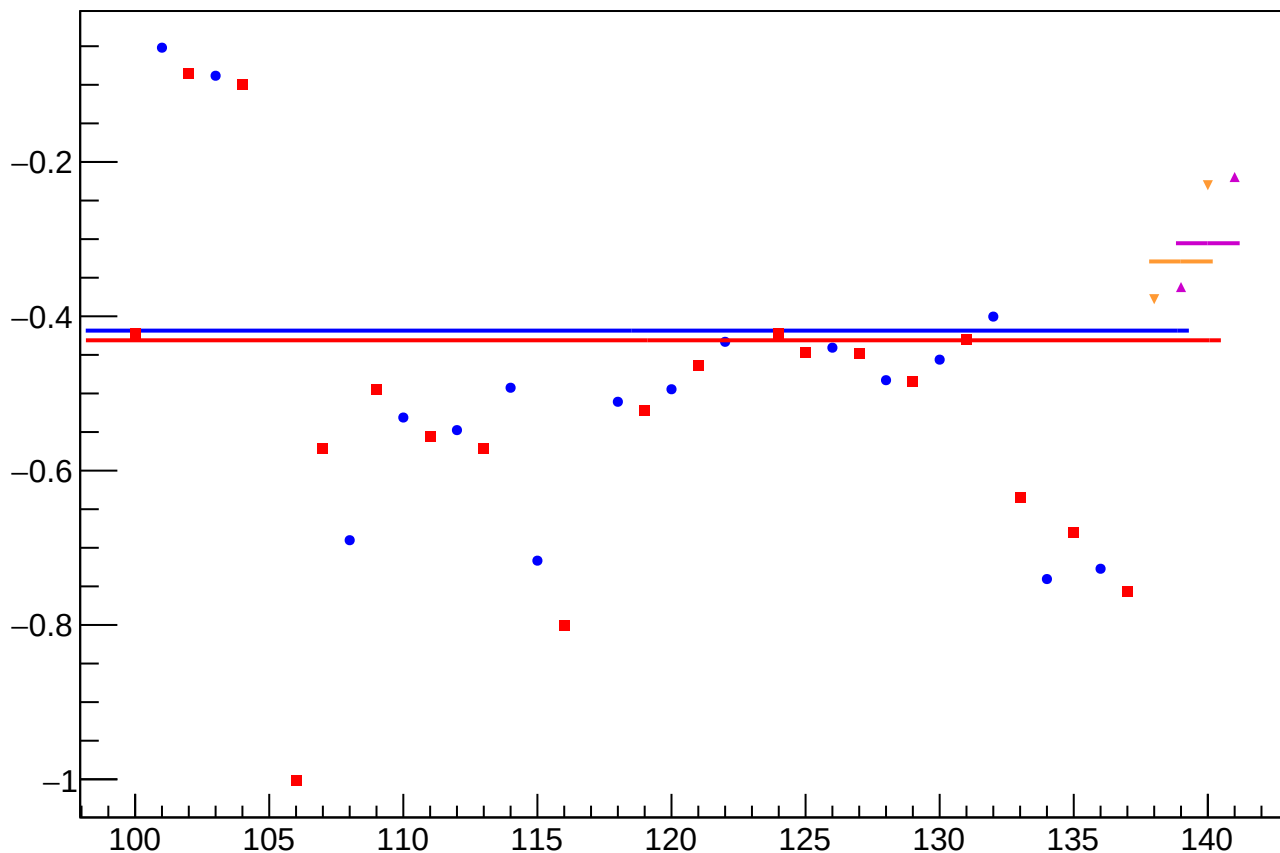
Left In: 0.074+/-0.000 χ^2/NDF :206.5/1

+ sign 0.072+/-0.000 χ^2/NDF : 105890.4/17

All: 0.072+/-0.000 χ^2/NDF : 205885.3/38

- sign 0.073+/-0.000 χ^2/NDF : 98036.9/20

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

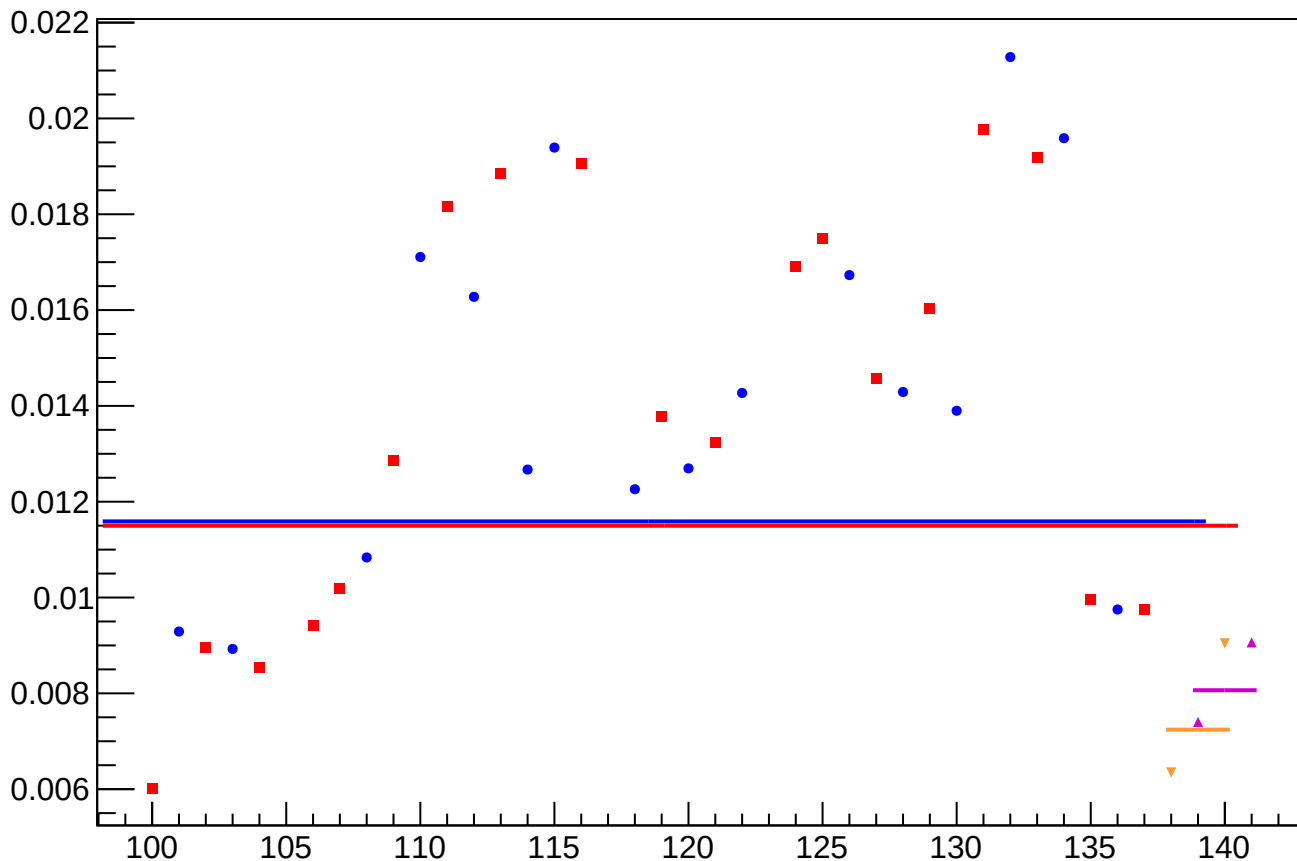
Left In: -0.305 ± 0.000 χ^2/NDF : 114822001.5/1

+ sign -0.385 ± 0.000 χ^2/NDF : 3330197540.2/17

All: -0.387 ± 0.000 χ^2/NDF : 6887458746.0/3

- sign -0.388 ± 0.000 χ^2/NDF : 3556994125.5/20

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF :83898.2/1

Right Out: 0.011+/-0.000 χ^2/NDF : 1164657.0/18

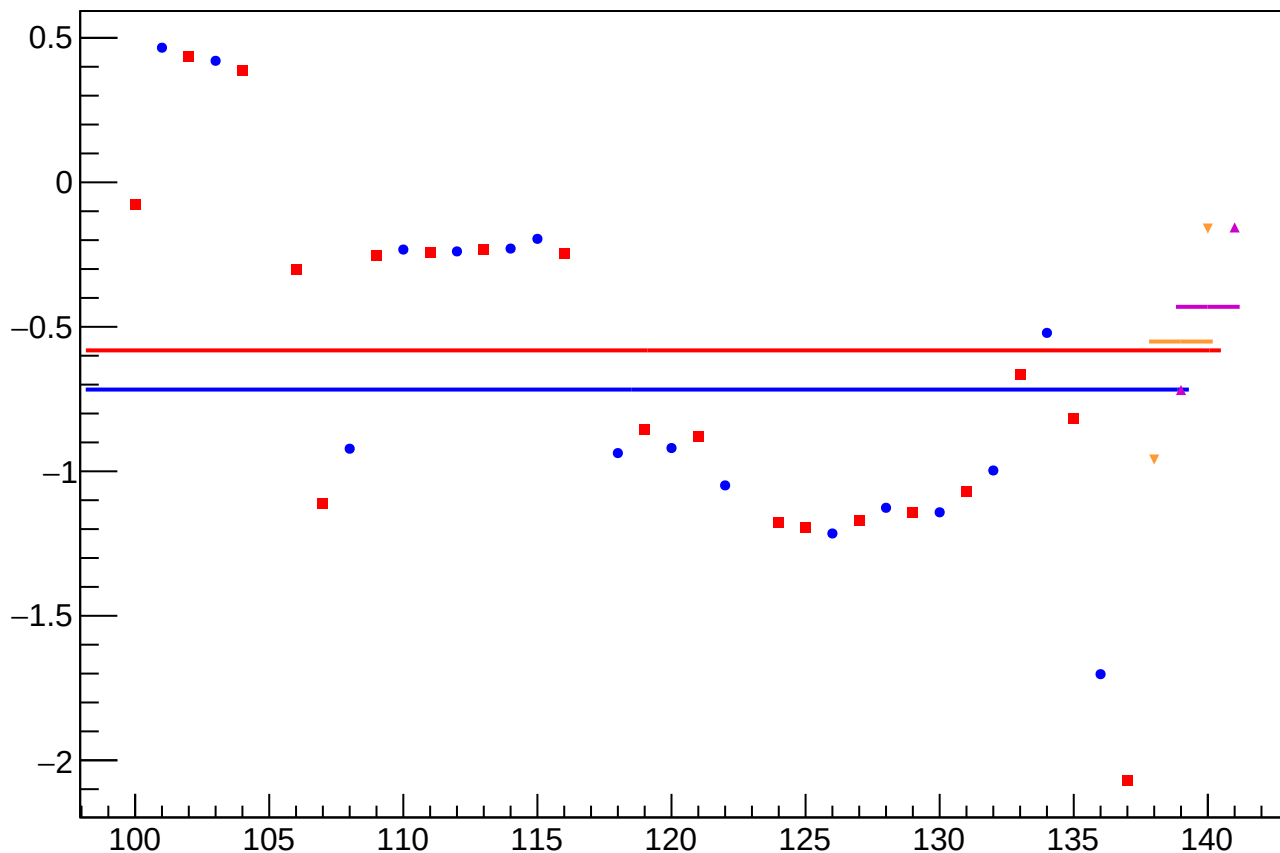
Left In: 0.008+/-0.000 χ^2 /NDF:31093.0/1

+ sign 0.010+/-0.000 χ^2/NDF : 1491003.7/17

All: 0.010+/-0.000 χ^2 /NDF: 3060979.8/38

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1561617.0/20

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF : 437423792.4/15

Left Out: -0.551+/-0.000 χ^2/NDF : 37118796.4/1

Right Out: -0.582+/-0.000 χ^2/NDF : 342062039.8/18

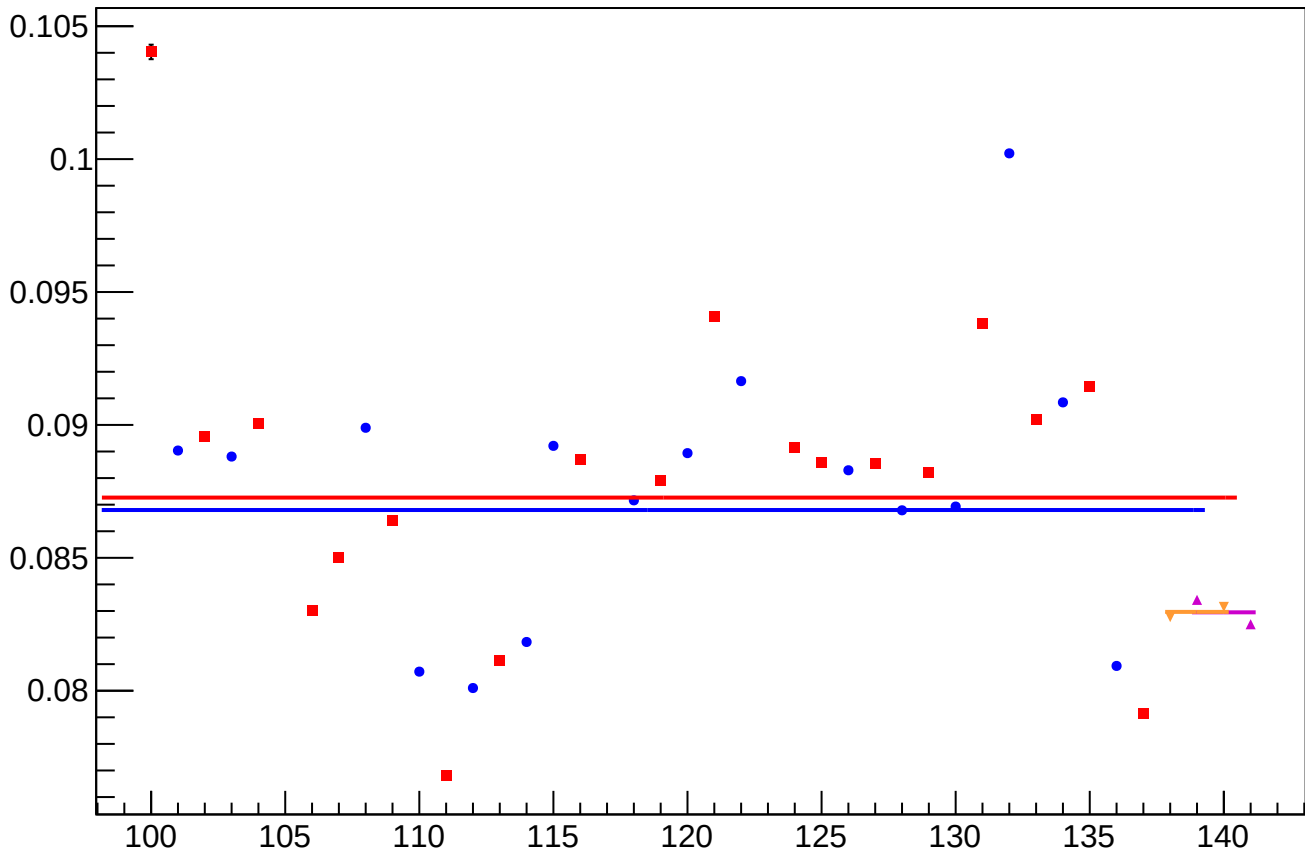
Left In: -0.431+/-0.000 χ^2/NDF : 19661517.7/1

+ sign -0.684+/-0.000 χ^2/NDF : 479705983.9/17

All: -0.617+/-0.000 χ^2/NDF : 856677059.4/38

- sign -0.551+/-0.000 χ^2/NDF : 366231550.5/20

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

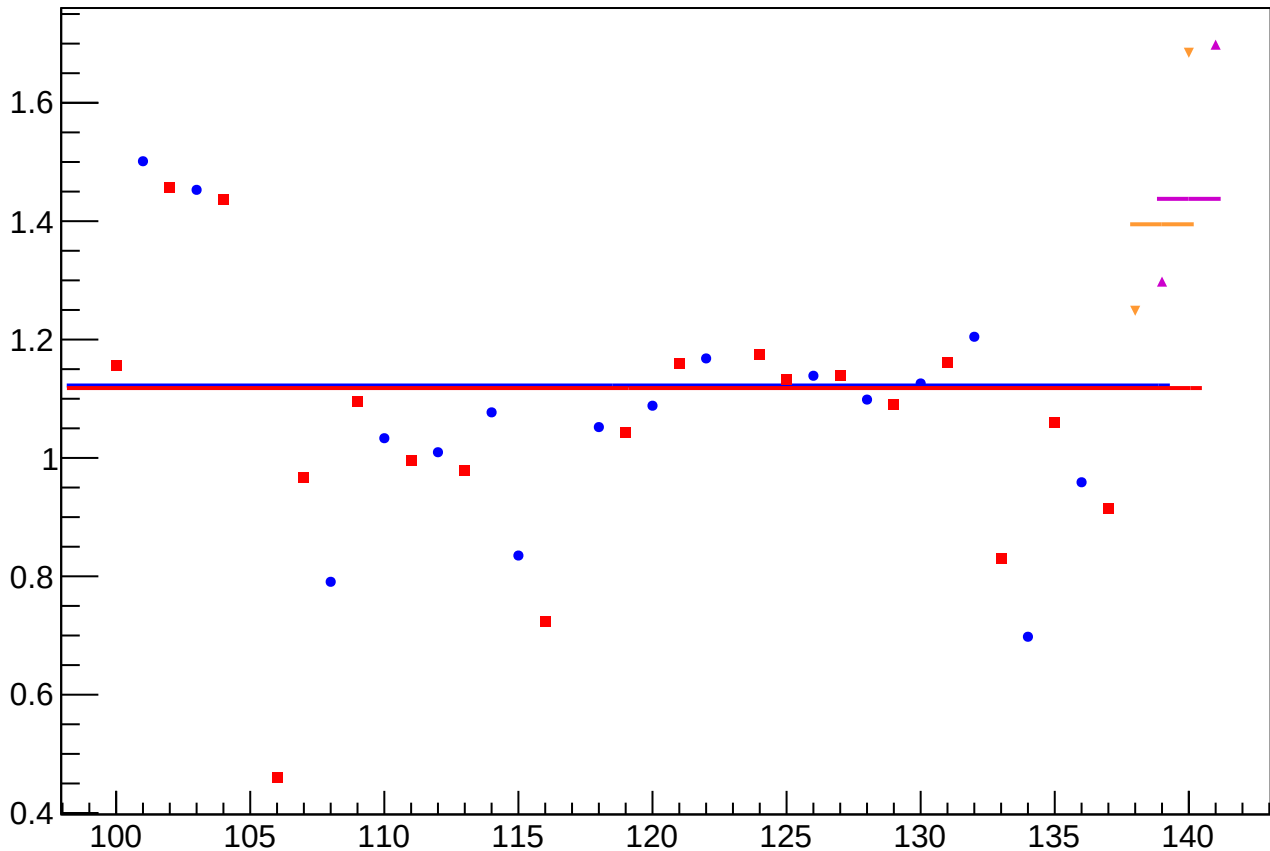
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:104.7/1

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 49082.5/17

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 102881.9/38

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 53656.5/20

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

+ sign 1.232 $\pm$ 0.000 χ^2 /NDF: 3103291376.9/17

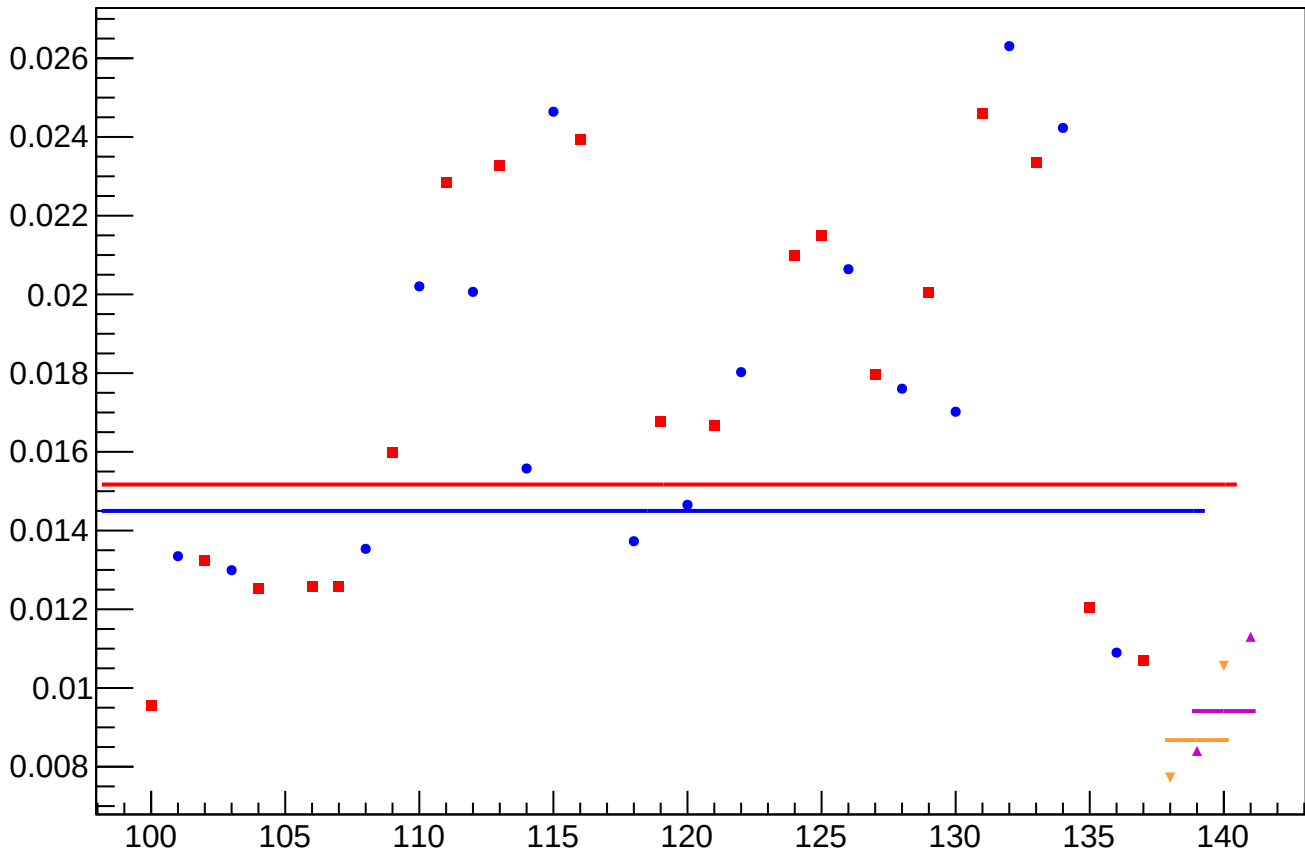
Right Out: 1.118 $\pm$ 0.000 χ^2 /NDF: 1570269350.9/18

All: 1.238 $\pm$ 0.000 χ^2 /NDF: 6382181141.9/38

- sign 1.244 $\pm$ 0.000 χ^2 /NDF: 3275331796.7/20

Left In: 1.438 $\pm$ 0.000 χ^2 /NDF: 631398872.8/1

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

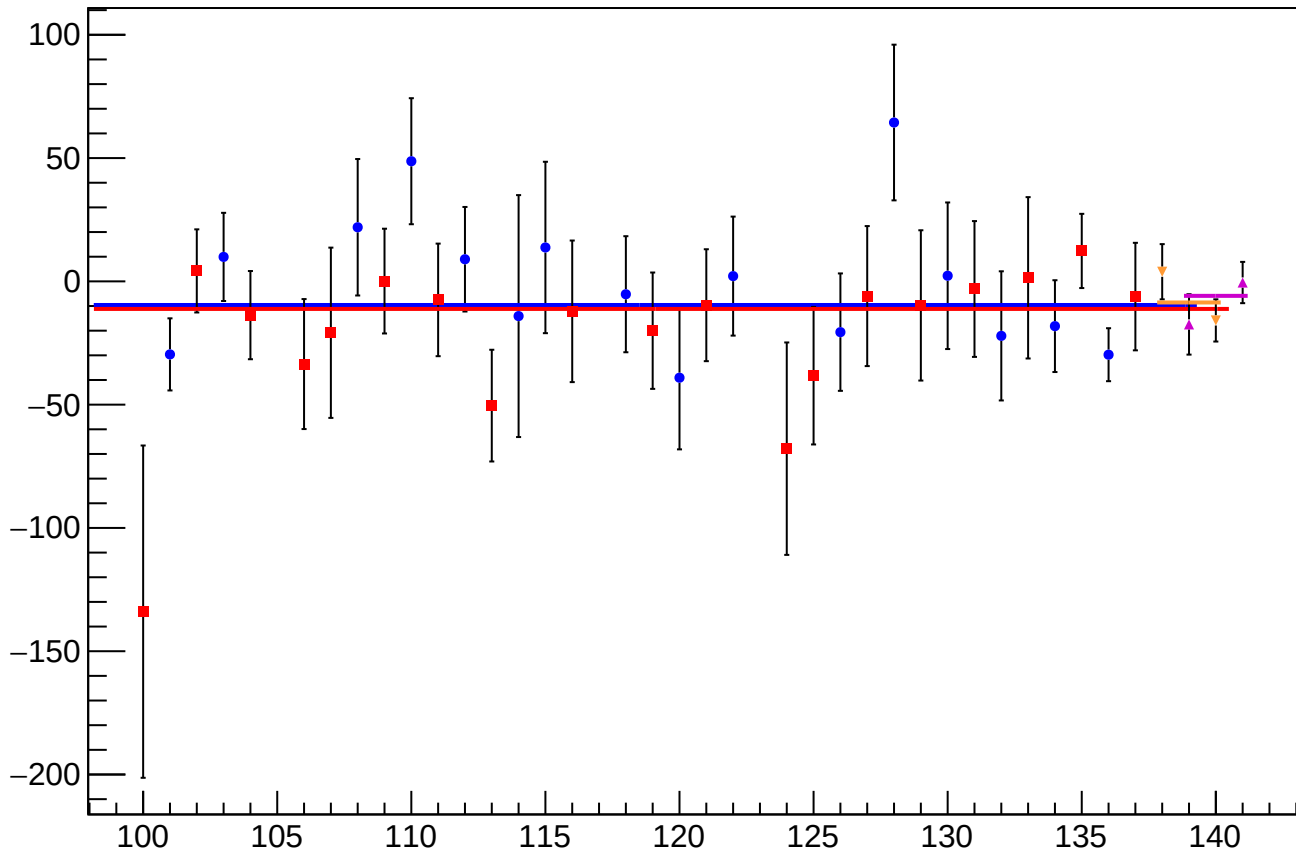
Left In: 0.009+/-0.000 χ^2/NDF : 66343.8/1

+ sign 0.012+/-0.000 χ^2/NDF : 1550436.1/17

All: 0.013+/-0.000 χ^2/NDF : 3202287.2/38

- sign 0.013+/-0.000 χ^2/NDF : 1627140.4/20

diff_bpm4aX_mean vs Slug



Right In: -9.581 ± 5.291 χ^2/NDF : 21.9/15

Left Out: -8.565 ± 6.800 χ^2/NDF : 2.0/1

Right Out: -11.177 ± 5.497 χ^2/NDF : 13.9/18

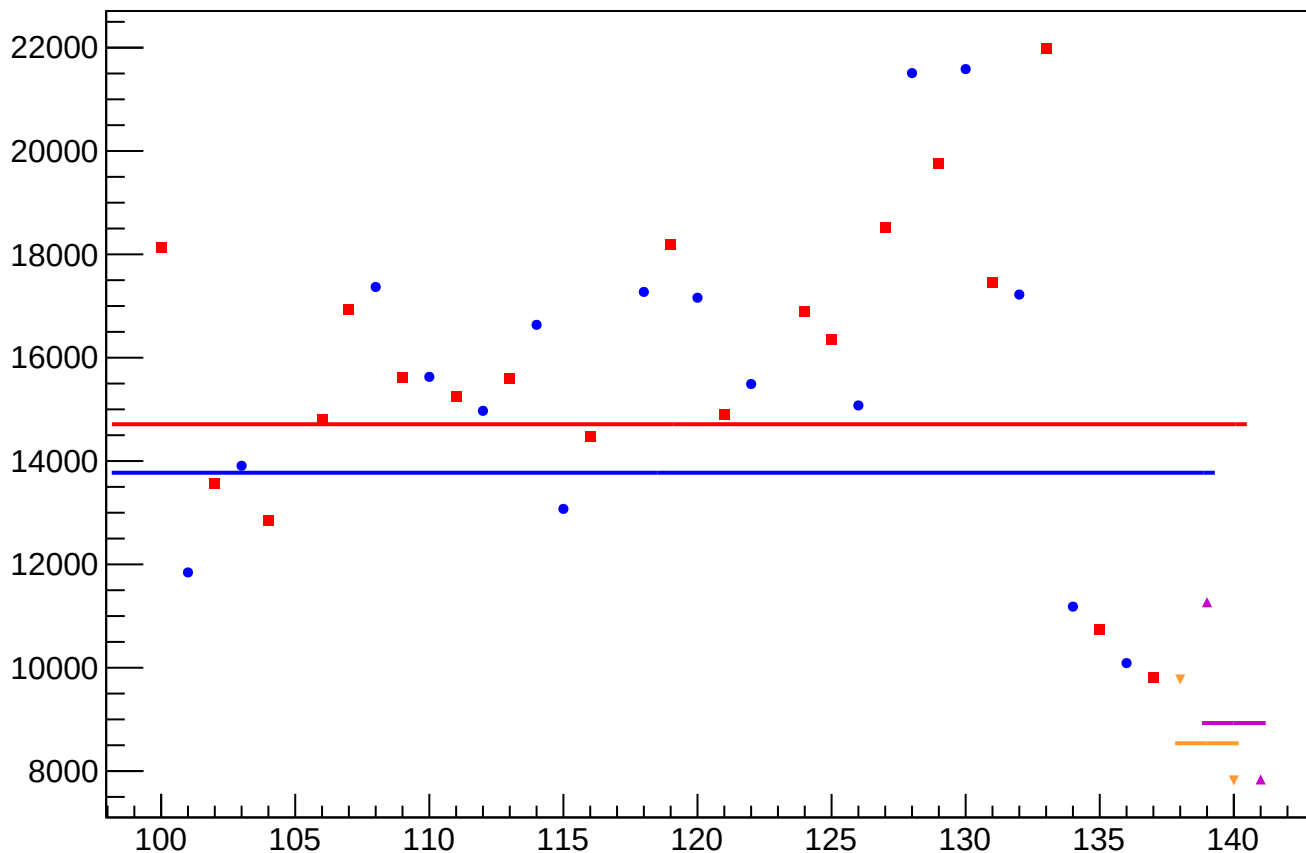
Left In: -5.876 ± 6.912 χ^2/NDF : 1.3/1

+ sign -9.198 ± 4.176 χ^2/NDF : 23.9/17

All: -9.162 ± 2.996 χ^2/NDF : 39.4/38

- sign -9.124 ± 4.302 χ^2/NDF : 15.5/20

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

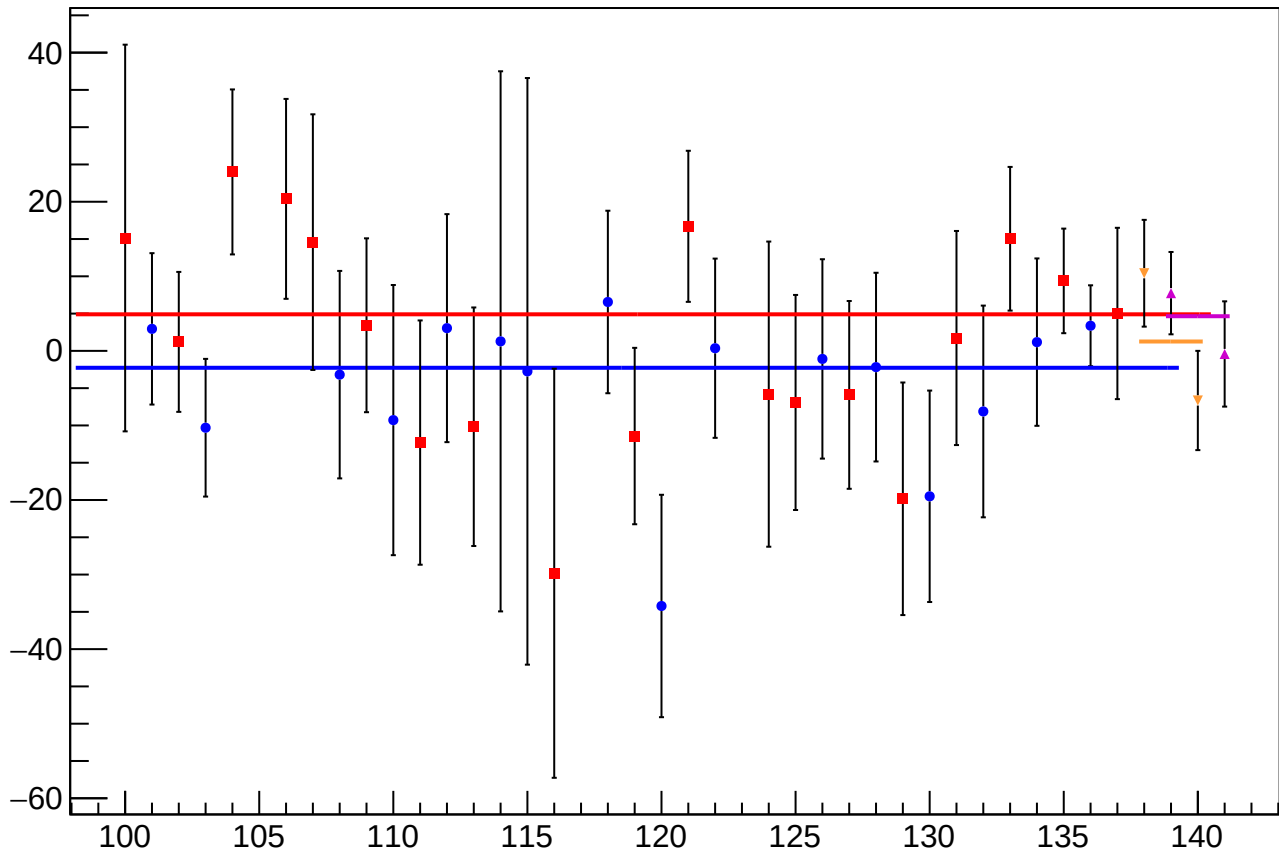
Left In: 8930.034+/-4.888 χ^2/NDF : 106895.9/1

+ sign 11799.745+/-2.953 χ^2/NDF : 1524496.6/17

All: 12125.833+/-2.119 χ^2/NDF : 3071124.3/3

- sign 12472.039+/-3.042 χ^2/NDF : 1521480.5/20

diff_bpm4aY_mean vs Slug



Right In: -2.267 ± 2.922 χ^2/NDF : 9.3/15

Left Out: 1.257 ± 4.875 χ^2/NDF : 3.0/1

Right Out: 4.904 ± 2.836 χ^2/NDF : 17.6/18

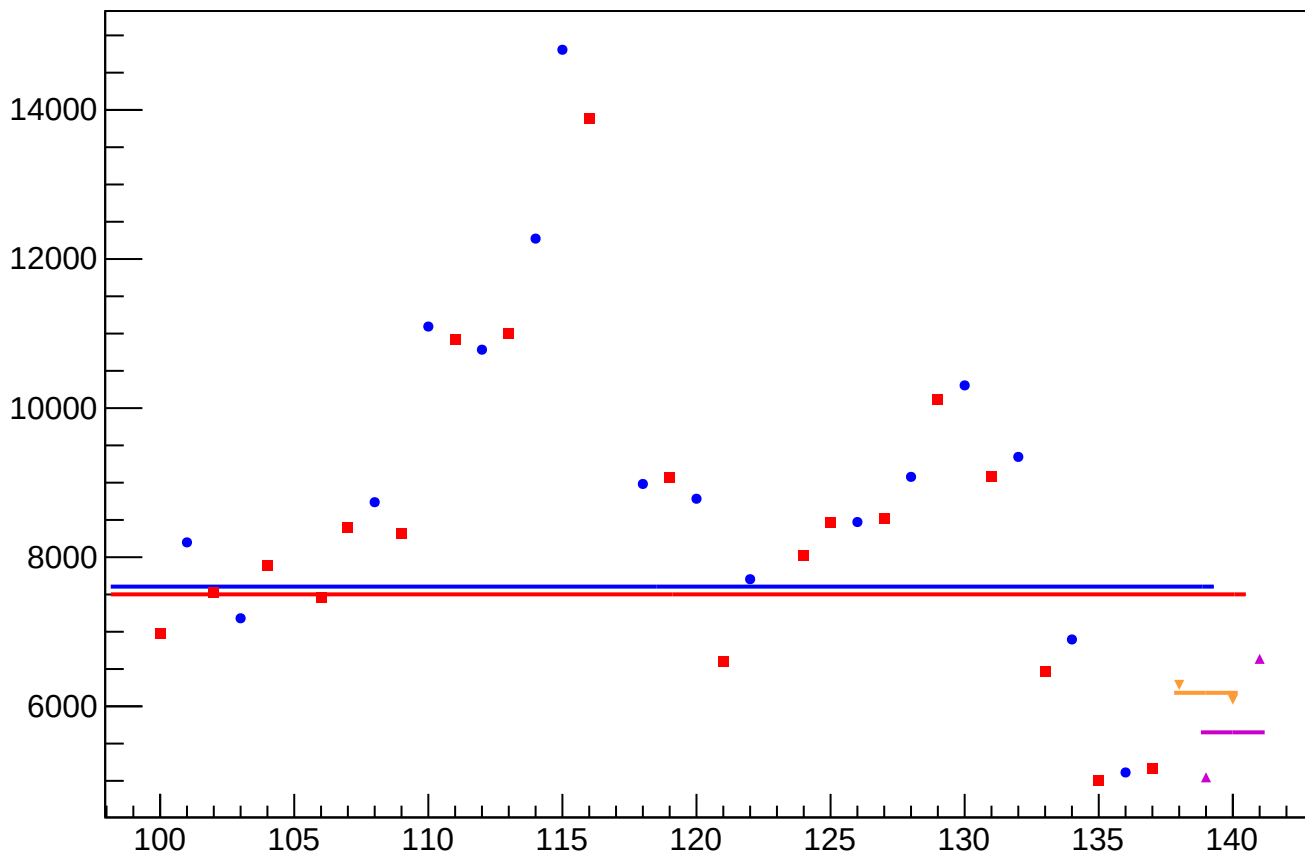
Left In: 4.647 ± 4.349 χ^2/NDF : 0.8/1

+ sign -1.336 ± 2.506 χ^2/NDF : 12.7/17

All: 1.911 ± 1.724 χ^2/NDF : 34.3/38

- sign 4.827 ± 2.376 χ^2/NDF : 18.4/20

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF : 891494.3/15

Left Out: 6181.032+/-3.447 χ^2/NDF : 816.4/1

Right Out: 7501.522+/-2.005 χ^2/NDF : 823557.5/18

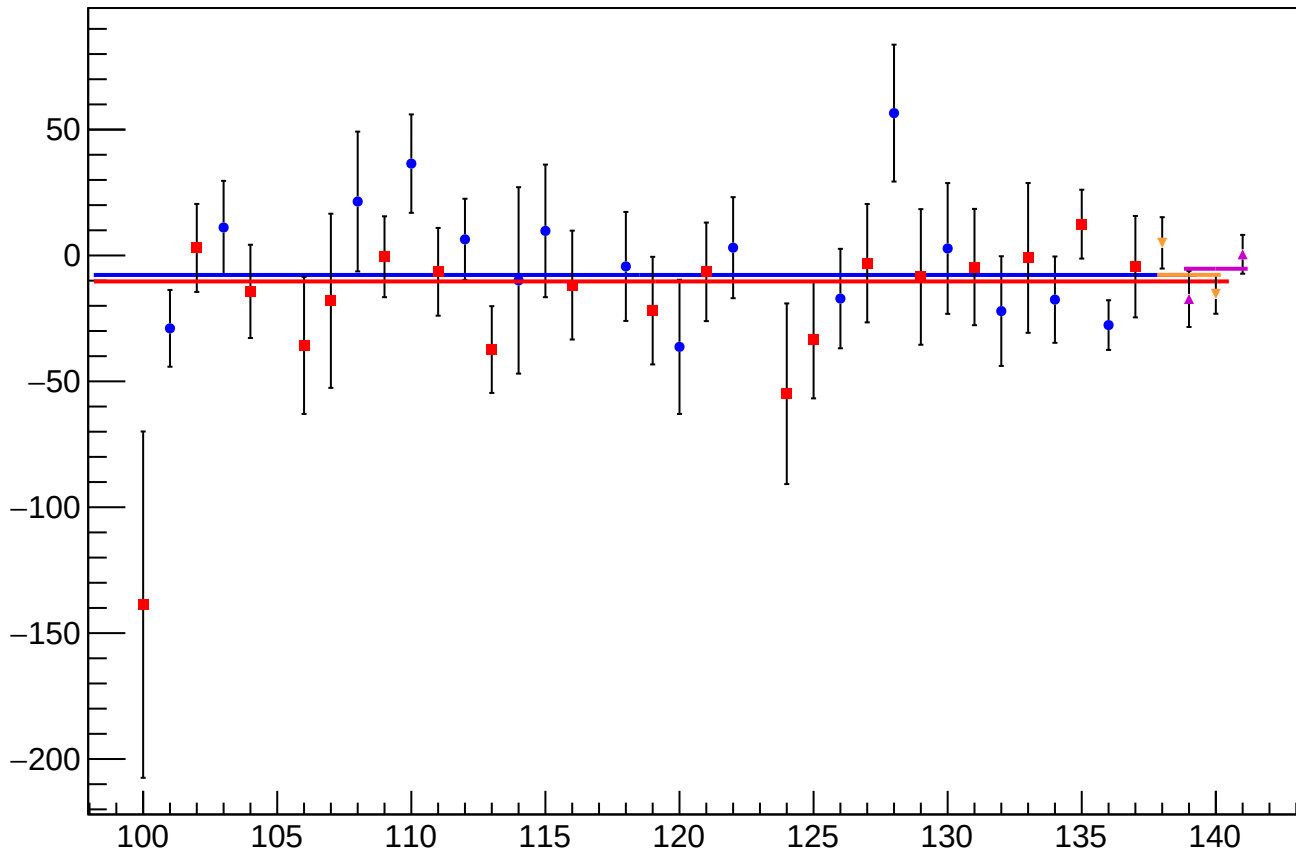
Left In: 5650.626+/-3.075 χ^2/NDF : 62880.2/1

+ sign 7229.091+/-1.772 χ^2/NDF : 1017989.3/17

All: 7081.733+/-1.219 χ^2/NDF : 2171708.1/38

- sign 6949.344+/-1.680 χ^2/NDF : 1140593.0/20

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

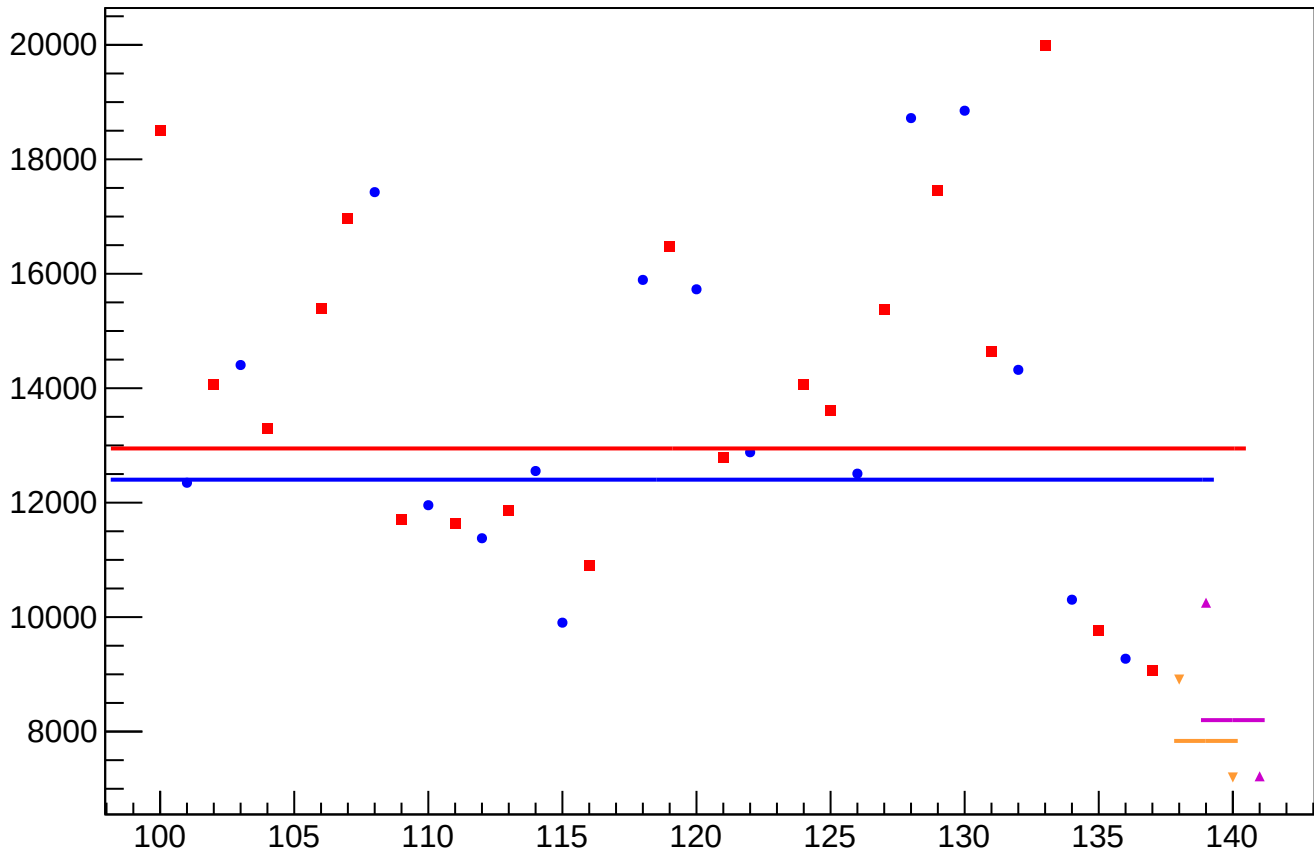
Left In: -5.271 ± 6.340 χ^2/NDF : 1.7/1

+ sign -7.727 ± 3.778 χ^2/NDF : 25.2/17

All: -8.084 ± 2.695 χ^2/NDF : 41.2/38

- sign -8.453 ± 3.847 χ^2/NDF : 16.0/20

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

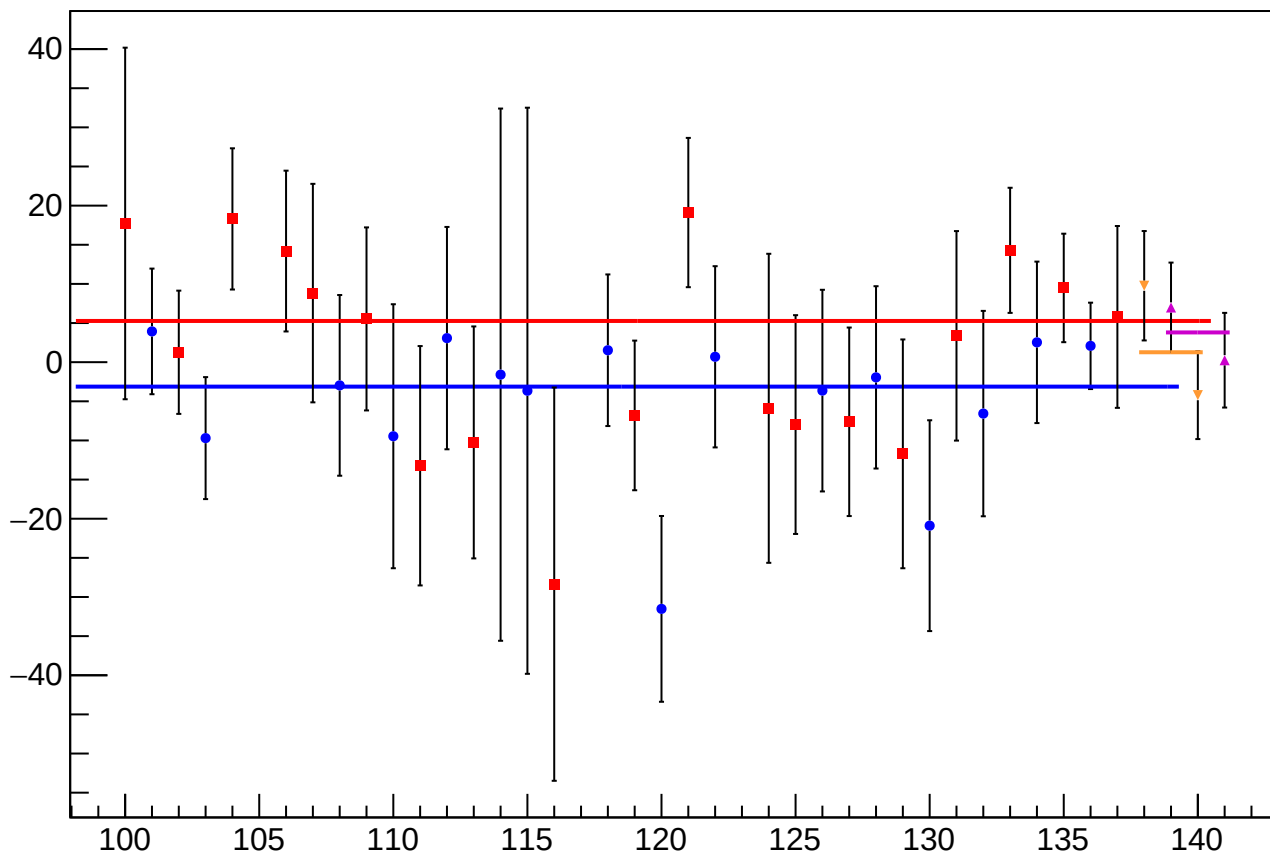
Left In: 8199.658 $\pm$ 4.483 χ^2 /NDF:100213.4/1

+ sign 10726.063 $\pm$ 2.671 χ^2 /NDF: 1392229.2/17

All: 10958.437 $\pm$ 1.906 χ^2 /NDF: 2771593.2/3

- sign 11199.433 $\pm$ 2.720 χ^2 /NDF: 1363947.4/20

diff_bpm4eY_mean vs Slug



Right In: -3.123 ± 2.656 χ^2/NDF : 10.9/15

Left Out: 1.267 ± 4.376 χ^2/NDF : 2.4/1

Right Out: 5.265 ± 2.553 χ^2/NDF : 16.9/18

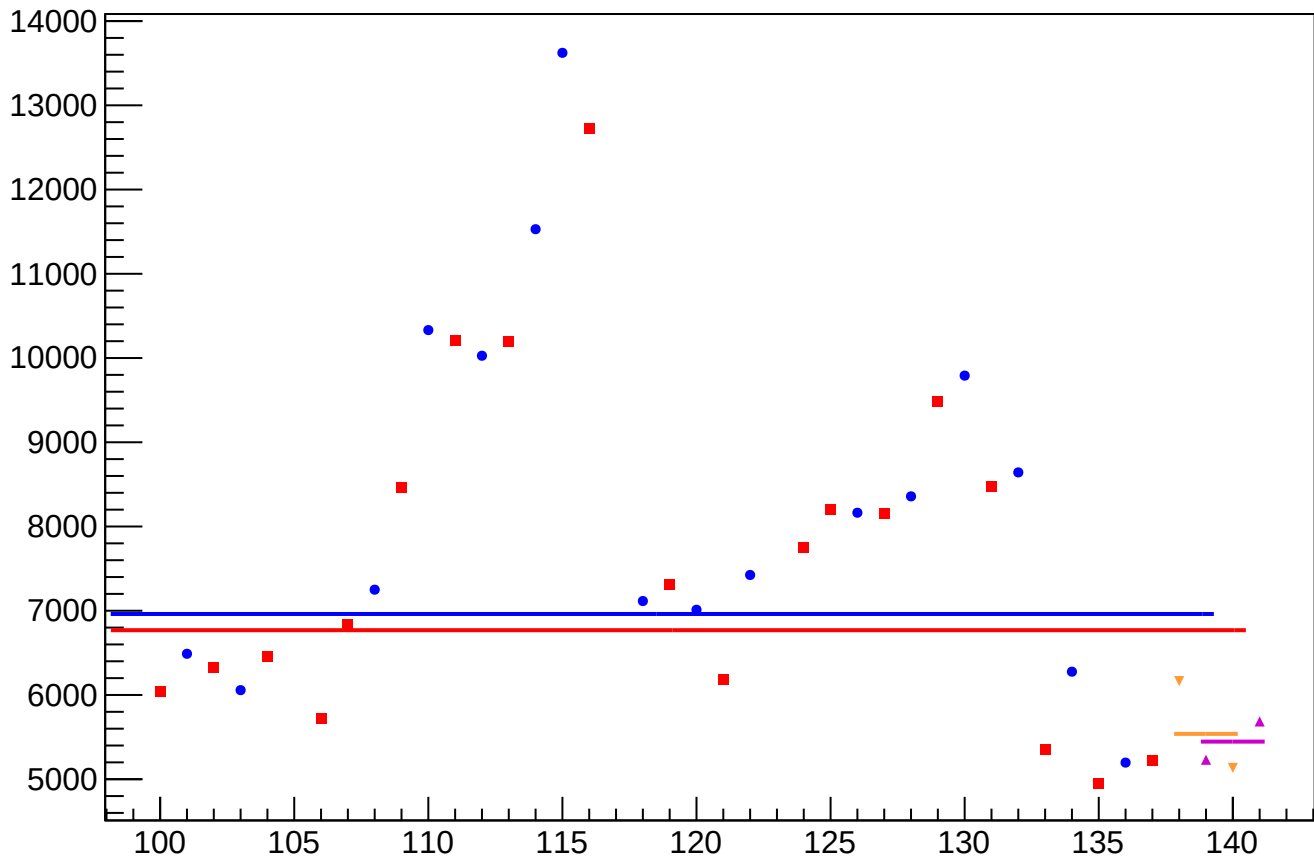
Left In: 3.800 ± 4.161 χ^2/NDF : 0.7/1

+ sign -1.941 ± 2.270 χ^2/NDF : 14.1/17

All: 1.605 ± 1.571 χ^2/NDF : 36.4/38

- sign 4.864 ± 2.176 χ^2/NDF : 17.7/20

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF : 696410.4/15

Left Out: 5538.323+/-3.094 χ^2/NDF : 26419.7/1

Right Out: 6768.993+/-1.805 χ^2/NDF : 798105.0/18

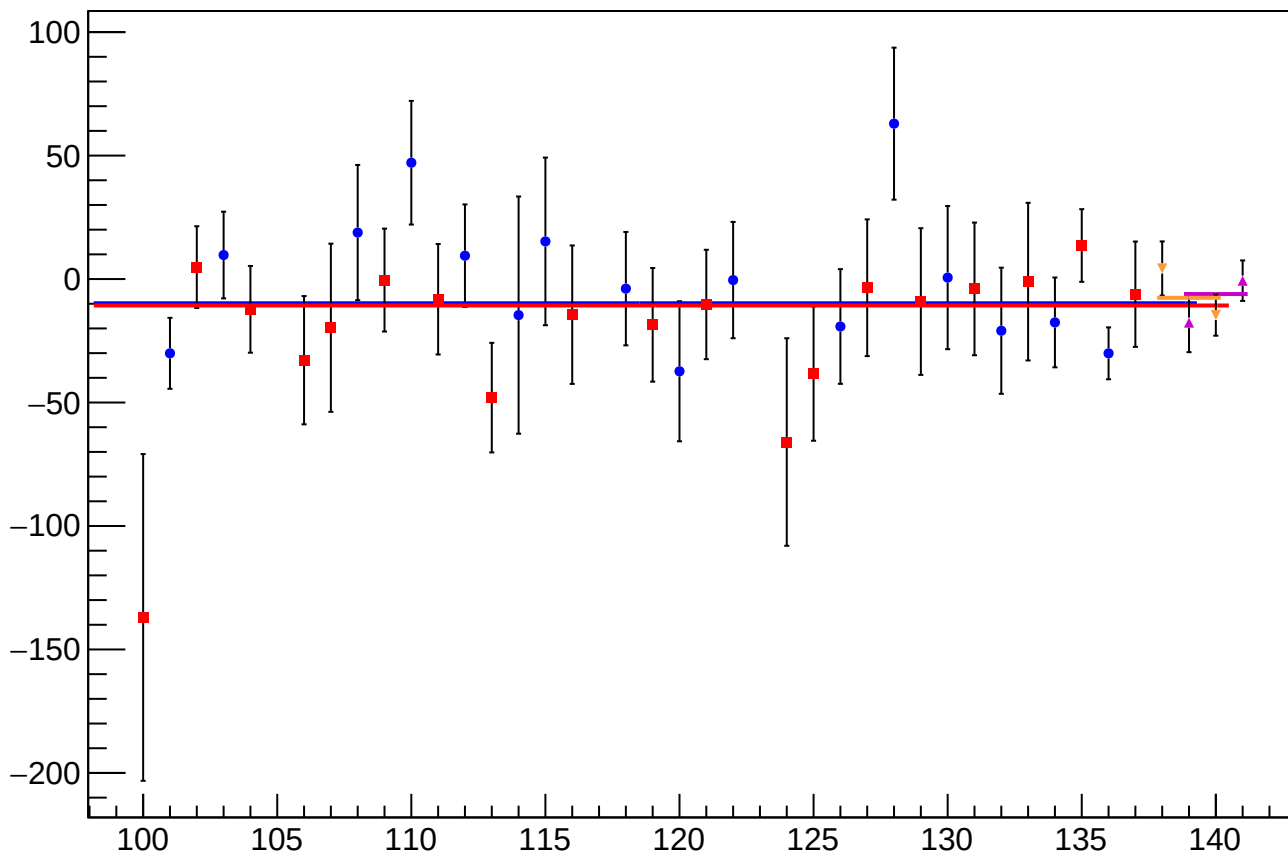
Left In: 5446.335+/-2.942 χ^2/NDF : 5949.0/1

+ sign 6578.473+/-1.605 χ^2/NDF : 877470.7/17

All: 6489.229+/-1.111 χ^2/NDF : 1834271.0/38

- sign 6407.237+/-1.539 χ^2/NDF : 950870.4/20

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

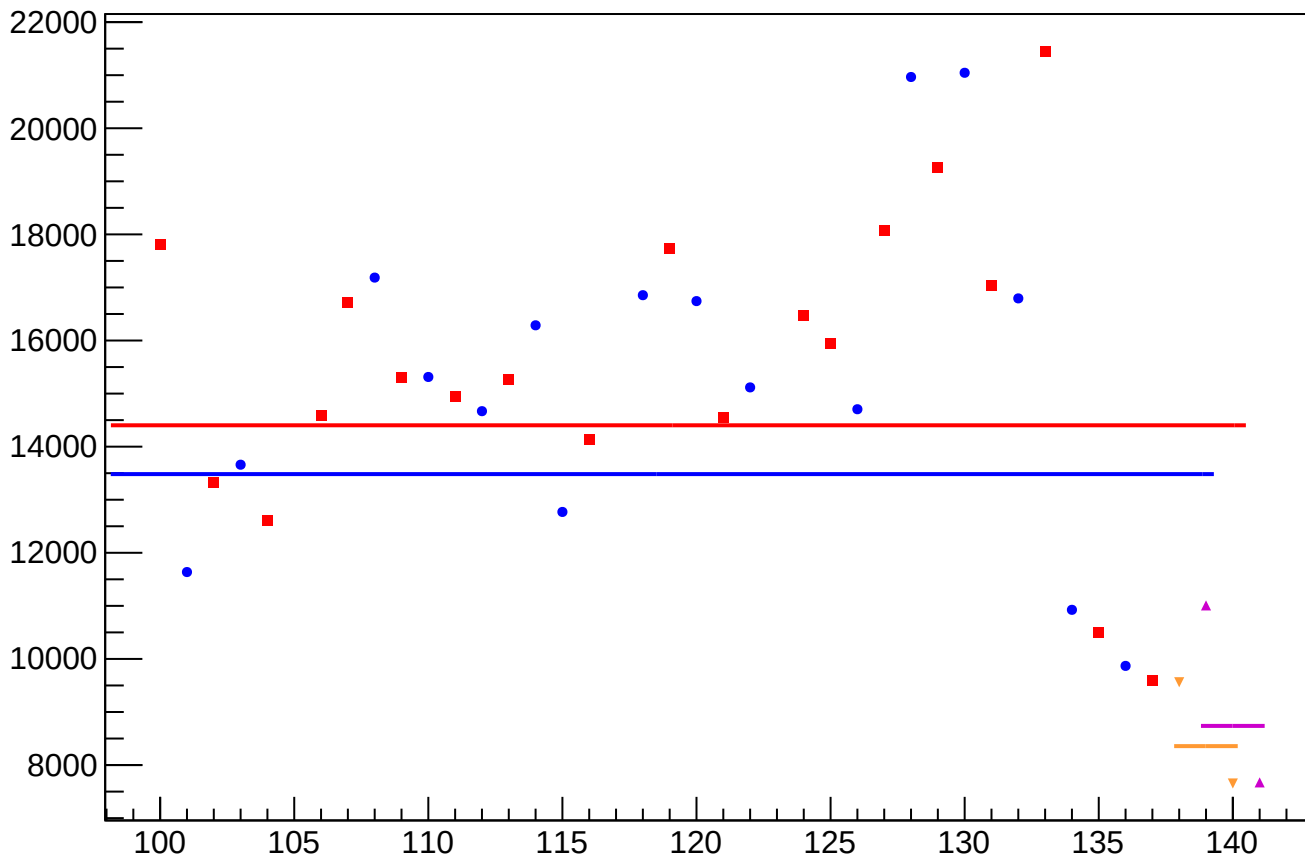
Left In: -6.076 $\pm$ 6.762 χ^2 /NDF: 1.4/1

+ sign -8.978 $\pm$ 4.086 χ^2 /NDF: 24.0/17

All: -8.945 $\pm$ 2.932 χ^2 /NDF: 39.9/38

- sign -8.909 $\pm$ 4.210 χ^2 /NDF: 16.0/20

diff_bpm4acX_rms vs Slug



Right In: 13482.879 $\pm$ 3.661 χ^2 /NDF: 743704.4/15

Left Out: 8356.955 $\pm$ 4.705 χ^2 /NDF: 38281.1/1

Right Out: 14402.670 $\pm$ 3.805 χ^2 /NDF: 552430.0/18

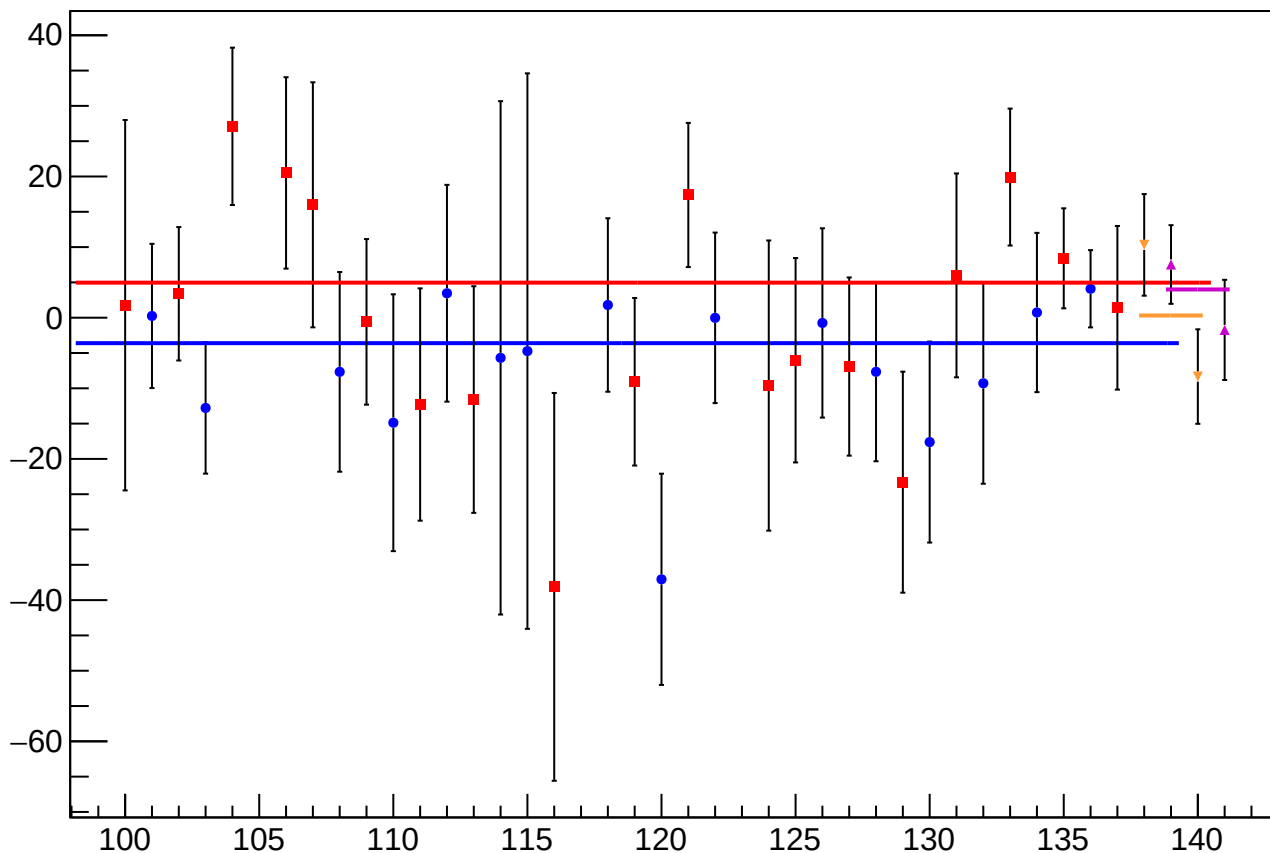
Left In: 8738.001 $\pm$ 4.782 χ^2 /NDF: 105703.5/1

+ sign 11549.448 $\pm$ 2.890 χ^2 /NDF: 1521244.7/17

All: 11868.221 $\pm$ 2.074 χ^2 /NDF: 3063852.8/3

- sign 12206.622 $\pm$ 2.977 χ^2 /NDF: 1517518.1/20

diff_bpm4acY_mean vs Slug



Right In: -3.605 ± 2.940 χ^2/NDF : 10.5/15

Left Out: 0.314 ± 4.901 χ^2/NDF : 3.6/1

Right Out: 4.965 ± 2.855 χ^2/NDF : 21.4/18

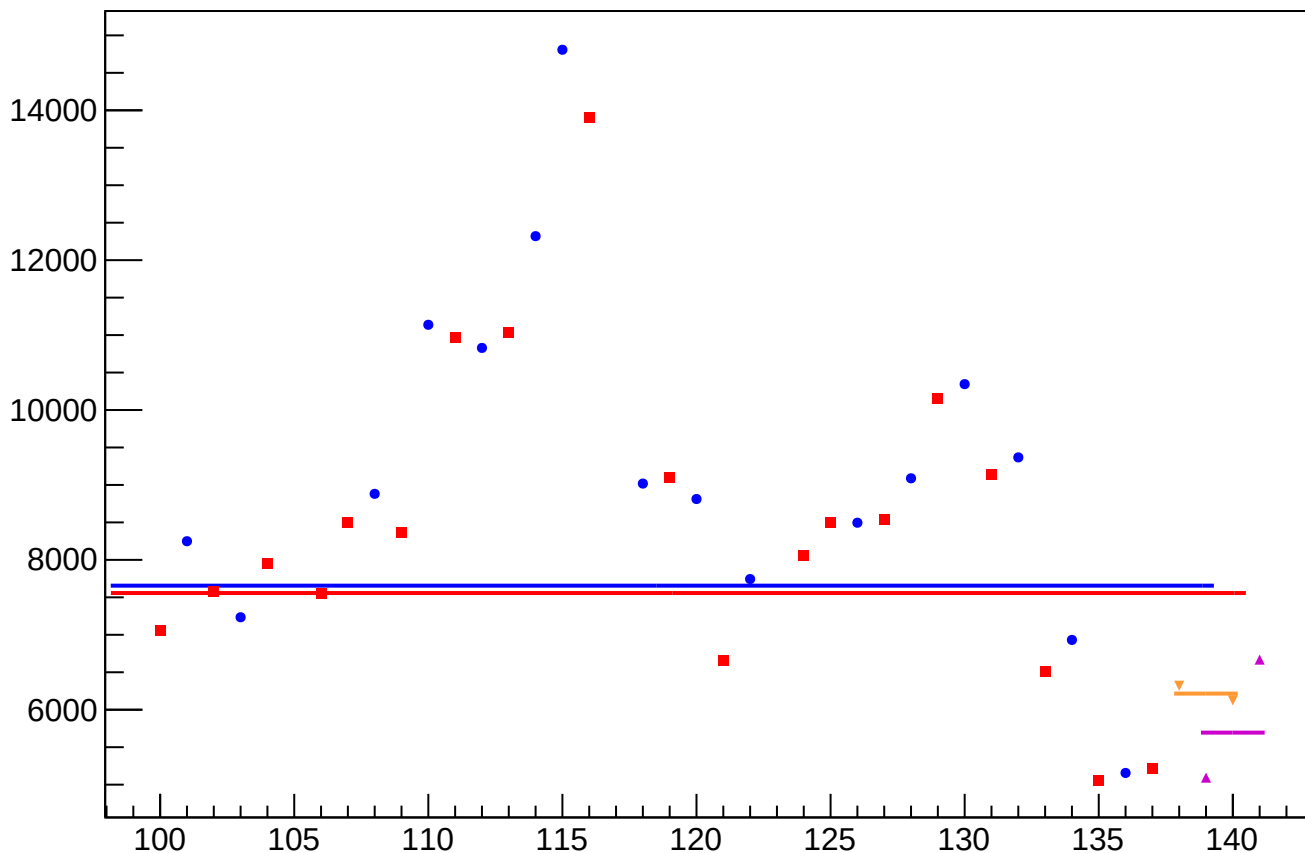
Left In: 4.001 ± 4.381 χ^2/NDF : 1.1/1

+ sign -2.568 ± 2.521 χ^2/NDF : 14.6/17

All: 1.245 ± 1.735 χ^2/NDF : 41.4/38

- sign 4.678 ± 2.392 χ^2/NDF : 22.5/20

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF : 879769.7/15

Left Out: 6215.400+/-3.466 χ^2/NDF : 791.6/1

Right Out: 7557.497+/-2.019 χ^2/NDF : 809860.3/18

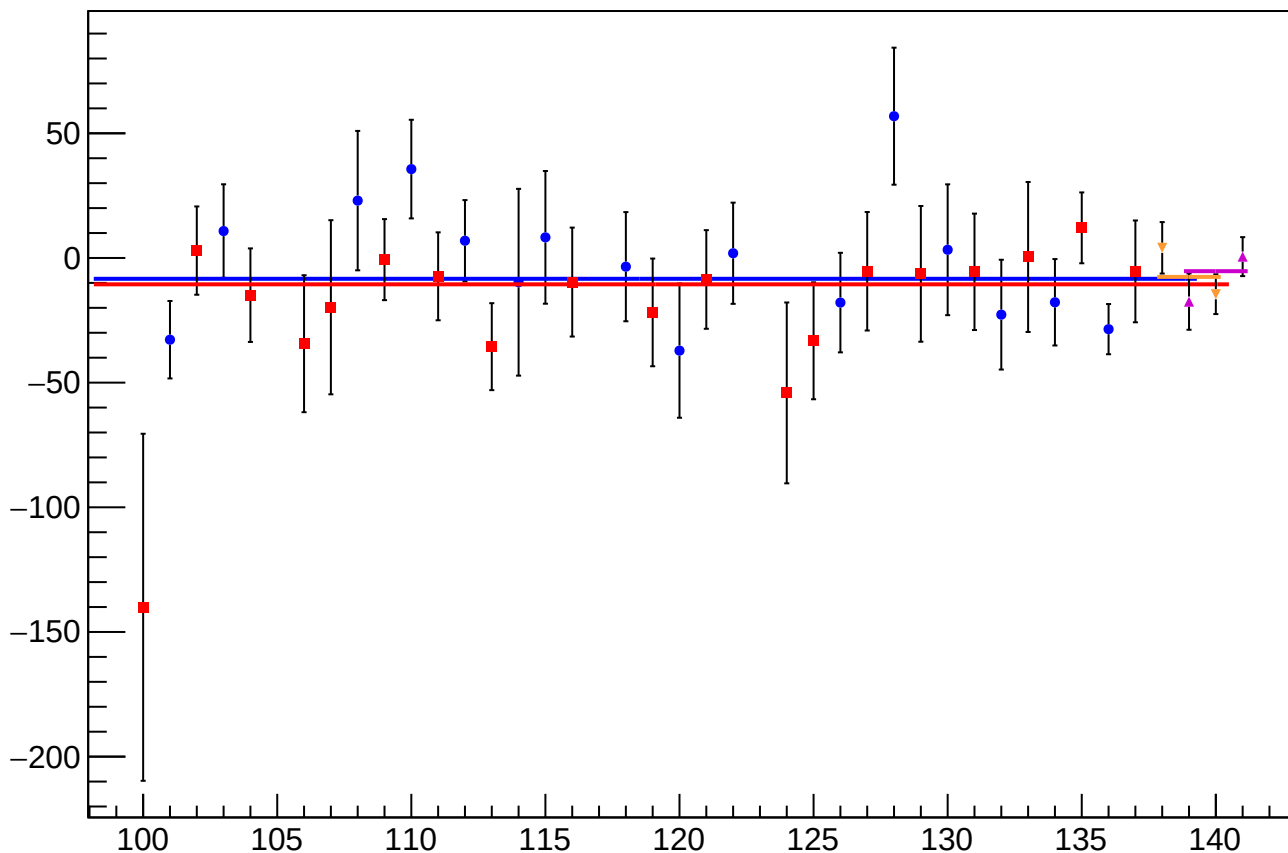
Left In: 5694.543+/-3.098 χ^2/NDF : 61006.1/1

+ sign 7274.689+/-1.783 χ^2/NDF : 1007606.9/17

All: 7131.238+/-1.227 χ^2/NDF : 2144586.2/38

- sign 7002.085+/-1.692 χ^2/NDF : 1124674.6/20

diff_bpm4ecX_mean vs Slug



Right In: -8.352 ± 4.814 χ^2/NDF : 23.2/15

Left Out: -7.591 ± 6.308 χ^2/NDF : 2.0/1

Right Out: -10.573 ± 4.911 χ^2/NDF : 12.9/18

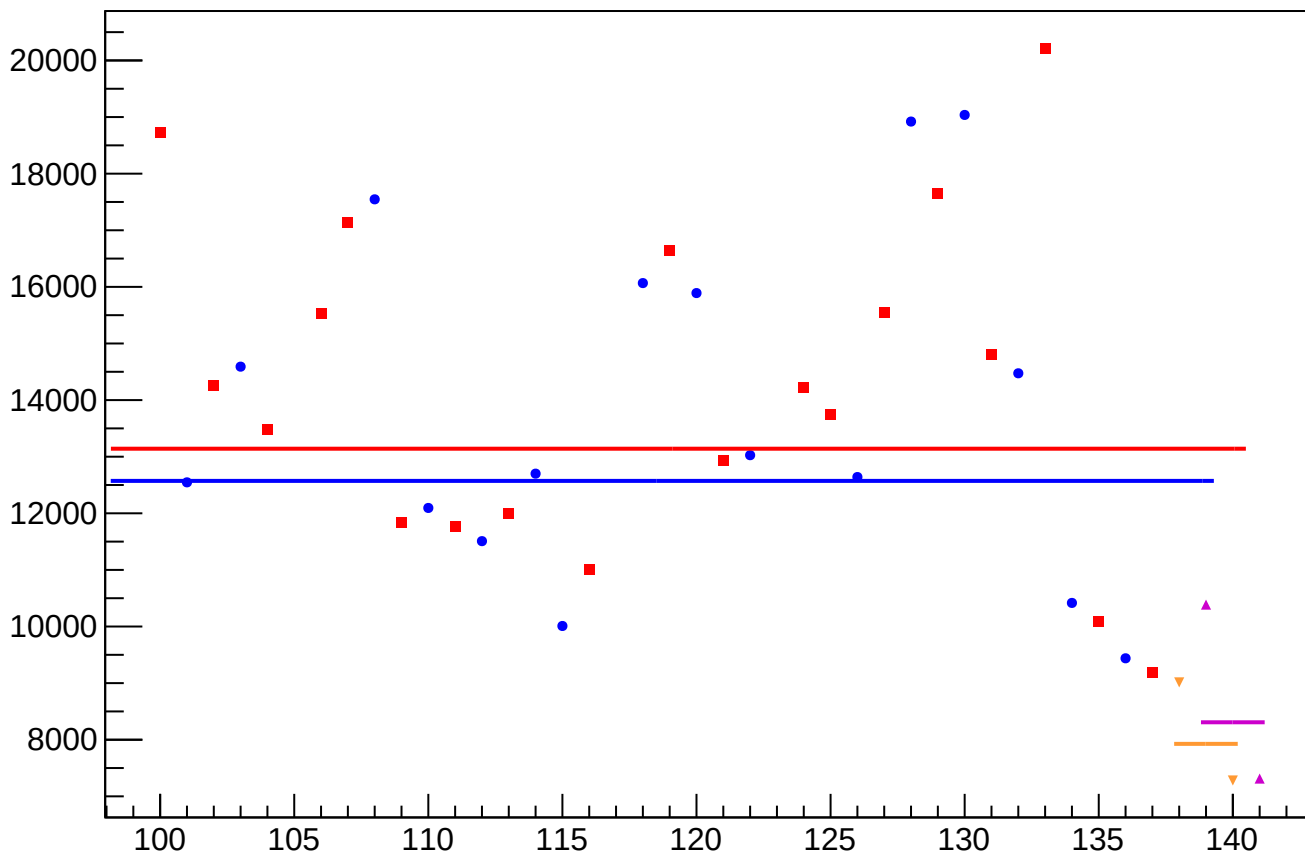
Left In: -5.297 ± 6.424 χ^2/NDF : 1.7/1

+ sign -8.072 ± 3.827 χ^2/NDF : 25.3/17

All: -8.344 ± 2.732 χ^2/NDF : 40.4/38

- sign -8.627 ± 3.902 χ^2/NDF : 15.1/20

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

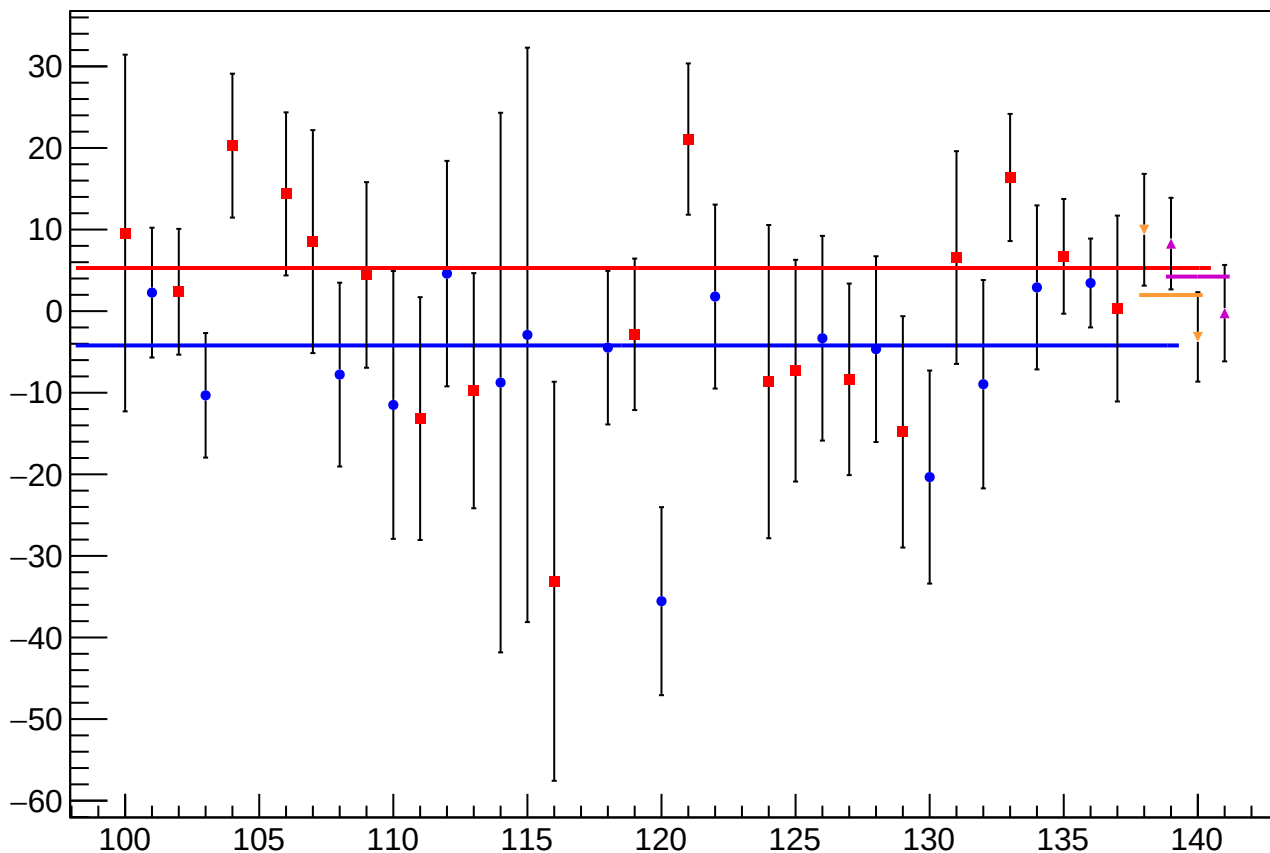
Left In: 8308.236 $\pm$ 4.543 χ^2 /NDF:100167.5/1

+ sign 10862.869 $\pm$ 2.706 χ^2 /NDF: 1385871.5/17

All: 11105.979 $\pm$ 1.932 χ^2 /NDF: 2751664.7/3

- sign 11358.681 $\pm$ 2.759 χ^2 /NDF: 1349331.0/20

diff_bpm4ecY_mean vs Slug



Right In: -4.204 ± 2.600 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 1.973 ± 4.280 $\chi^2/\text{NDF}: 2.2/1$

Right Out: 5.288 ± 2.502 $\chi^2/\text{NDF}: 19.7/18$

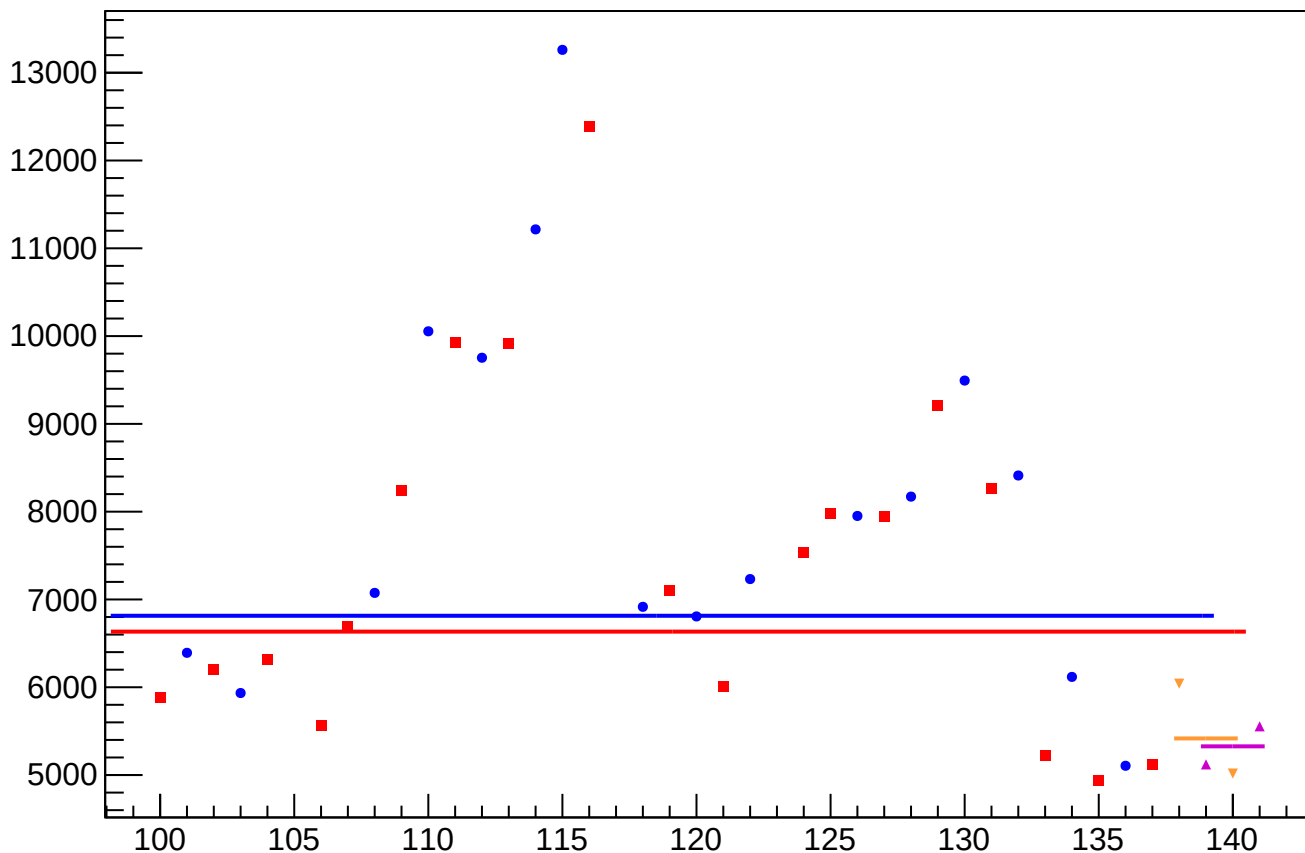
Left In: 4.235 ± 4.070 $\chi^2/\text{NDF}: 1.1/1$

+ sign -2.539 ± 2.222 $\chi^2/\text{NDF}: 17.6/17$

All: 1.387 ± 1.538 $\chi^2/\text{NDF}: 44.5/38$

- sign 4.999 ± 2.131 $\chi^2/\text{NDF}: 20.9/20$

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

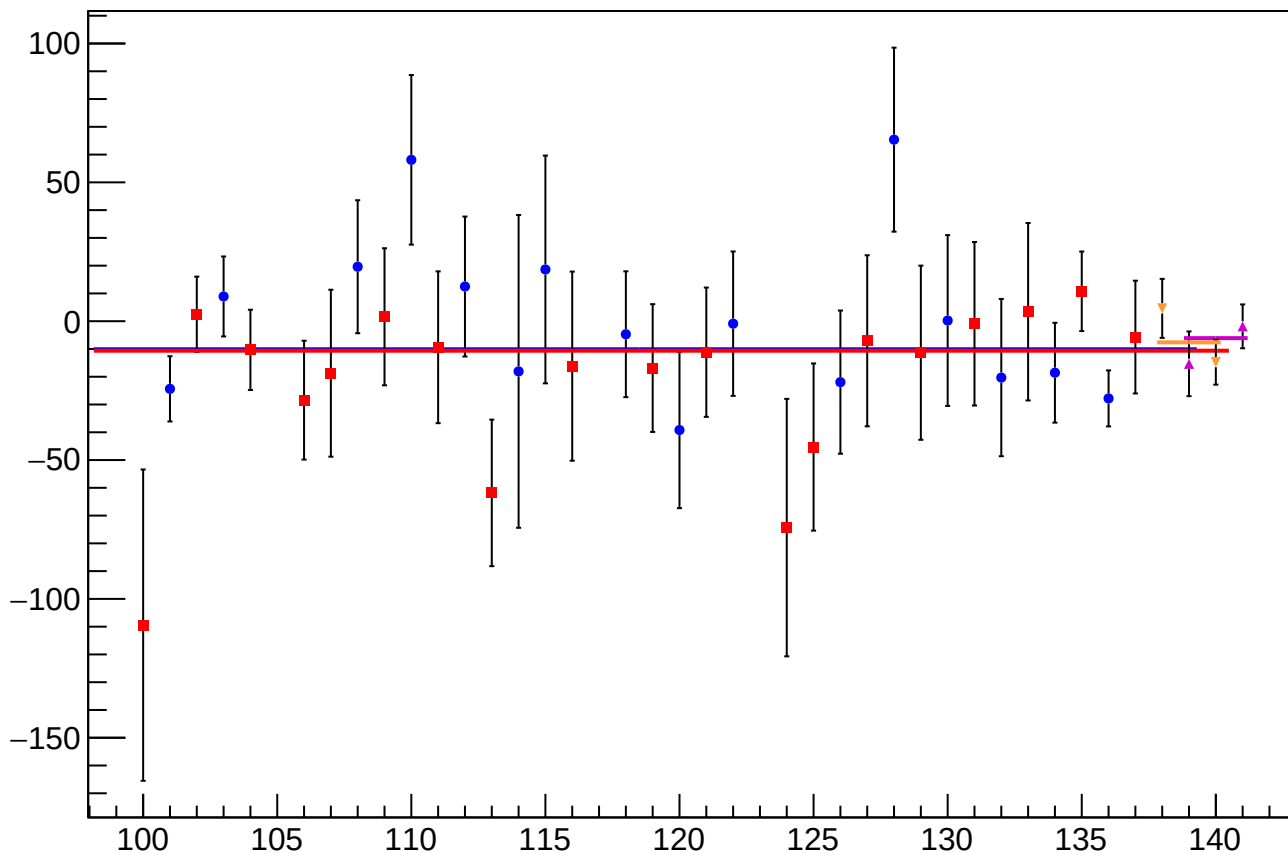
Left In: 5326.889+/-2.878 χ^2/NDF : 5664.5/1

+ sign 6437.558+/-1.571 χ^2/NDF : 857042.4/17

All: 6353.018+/-1.088 χ^2/NDF : 1781261.1/38

- sign 6275.256+/-1.507 χ^2/NDF : 918662.5/20

diff_bpm1X_mean vs Slug



Right In: -10.113 ± 5.017 χ^2/NDF : 21.3/15

Left Out: -7.617 ± 6.445 χ^2/NDF : 2.1/1

Right Out: -10.624 ± 5.277 χ^2/NDF : 14.7/18

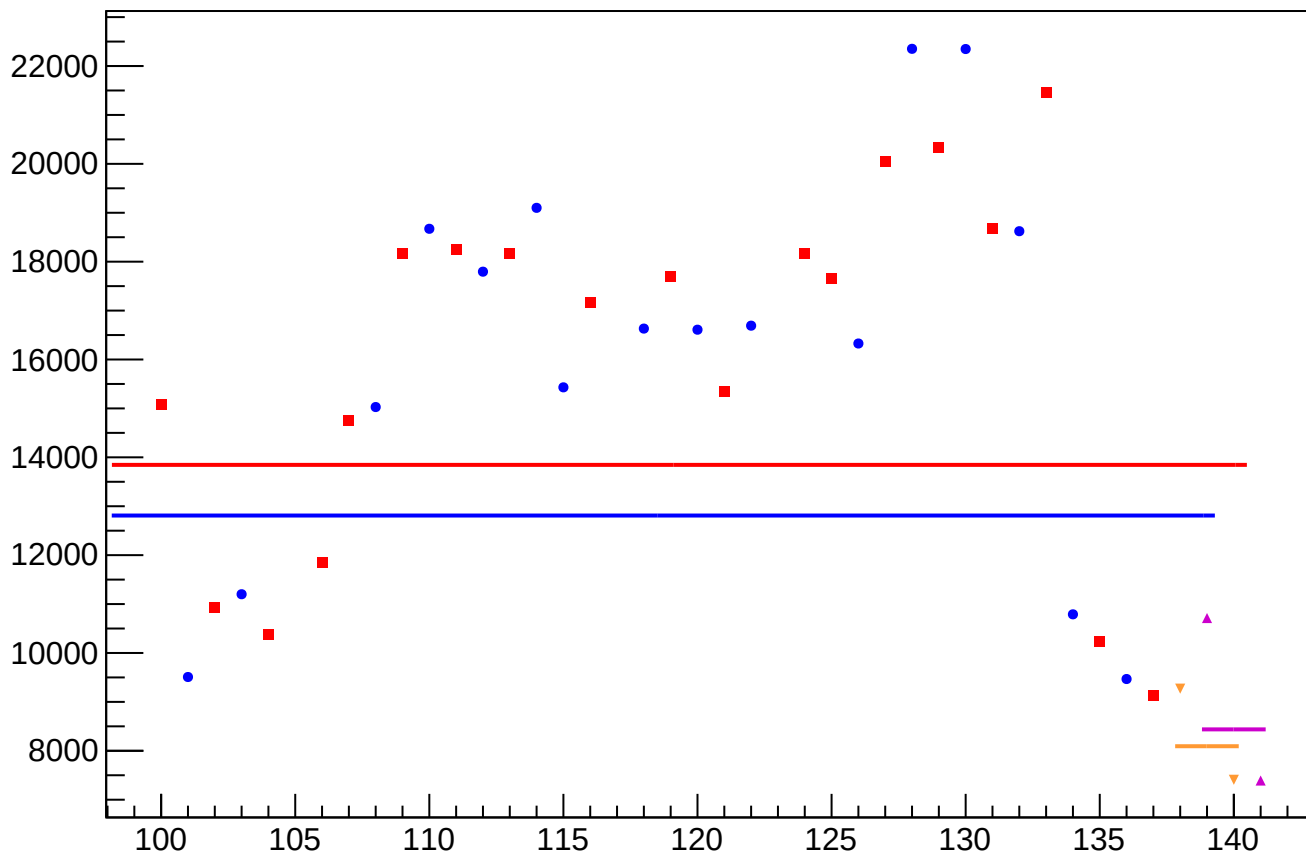
Left In: -6.097 ± 6.536 χ^2/NDF : 0.9/1

+ sign -9.171 ± 3.959 χ^2/NDF : 23.5/17

All: -9.010 ± 2.850 χ^2/NDF : 39.4/38

- sign -8.837 ± 4.106 χ^2/NDF : 16.0/20

diff_bpm1X_rms vs Slug



Right In: 12809.964 $\pm$ 3.548 χ^2 /NDF: 1248252.1/15

Left Out: 8093.475 $\pm$ 4.558 χ^2 /NDF:38867.7/1

Right Out: 13845.622 $\pm$ 3.731 χ^2 /NDF: 1096555.2/18

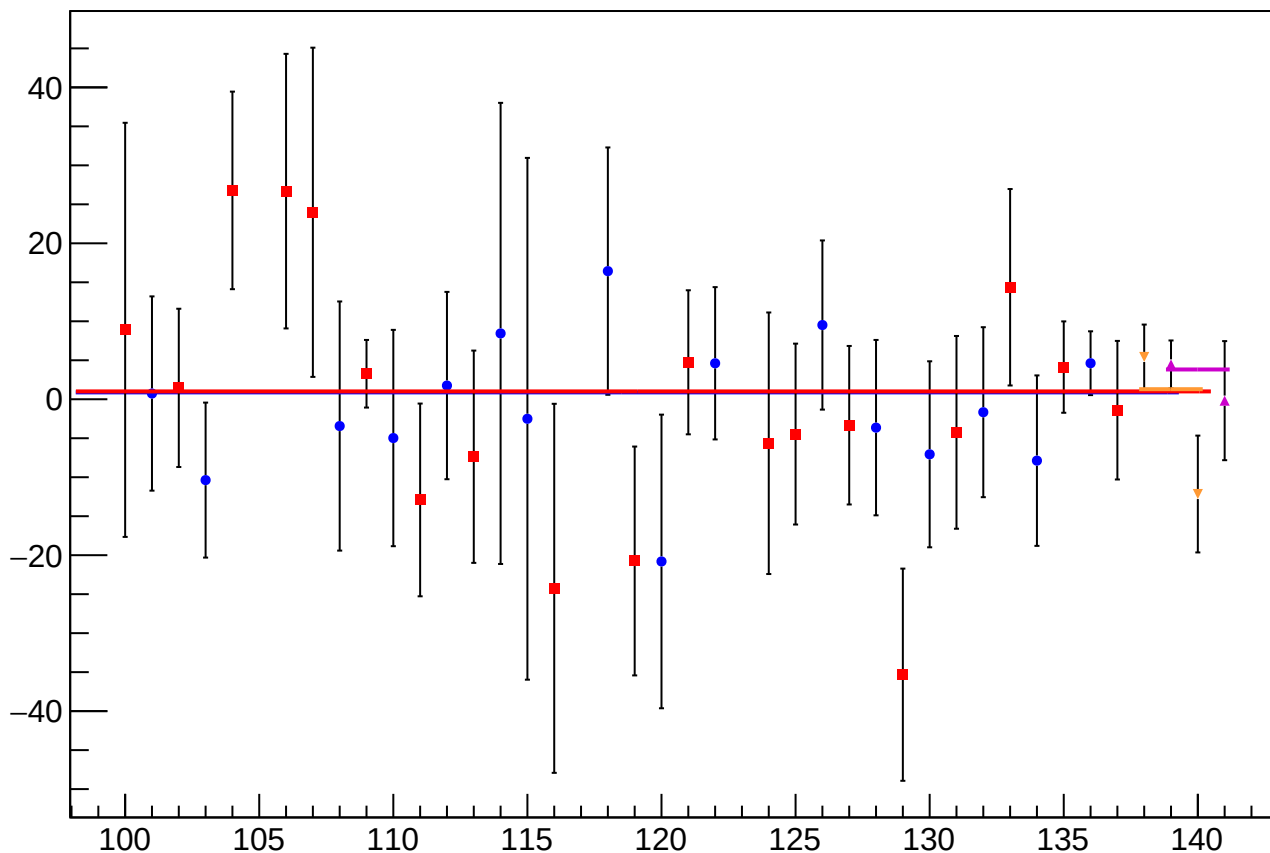
Left In: 8437.795 $\pm$ 4.621 χ^2 /NDF:111459.2/1

+ sign 11030.387 $\pm$ 2.800 χ^2 /NDF: 1953985.1/17

All: 11358.626 $\pm$ 2.015 χ^2 /NDF: 4019485.1/3

- sign 11711.598 $\pm$ 2.903 χ^2 /NDF: 2036969.9/20

diff_bpm1Y_mean vs Slug



Right In: 0.882 ± 2.566 χ^2/NDF : 6.8/15

Left Out: 1.290 ± 3.633 χ^2/NDF : 4.2/1

Right Out: 1.006 ± 2.314 χ^2/NDF : 22.3/18

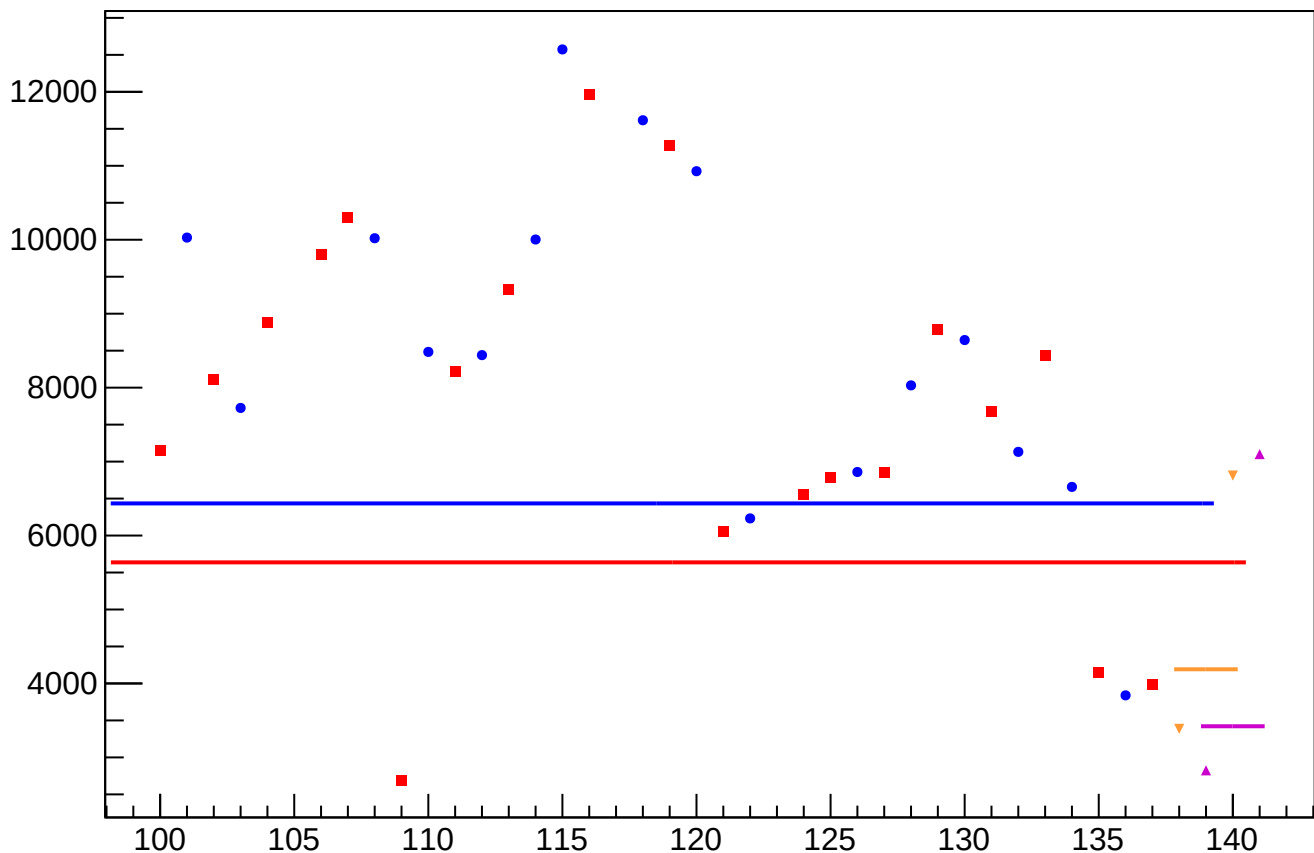
Left In: 3.820 ± 2.850 χ^2/NDF : 0.3/1

+ sign 1.018 ± 2.096 χ^2/NDF : 11.0/17

All: 1.655 ± 1.364 χ^2/NDF : 34.4/38

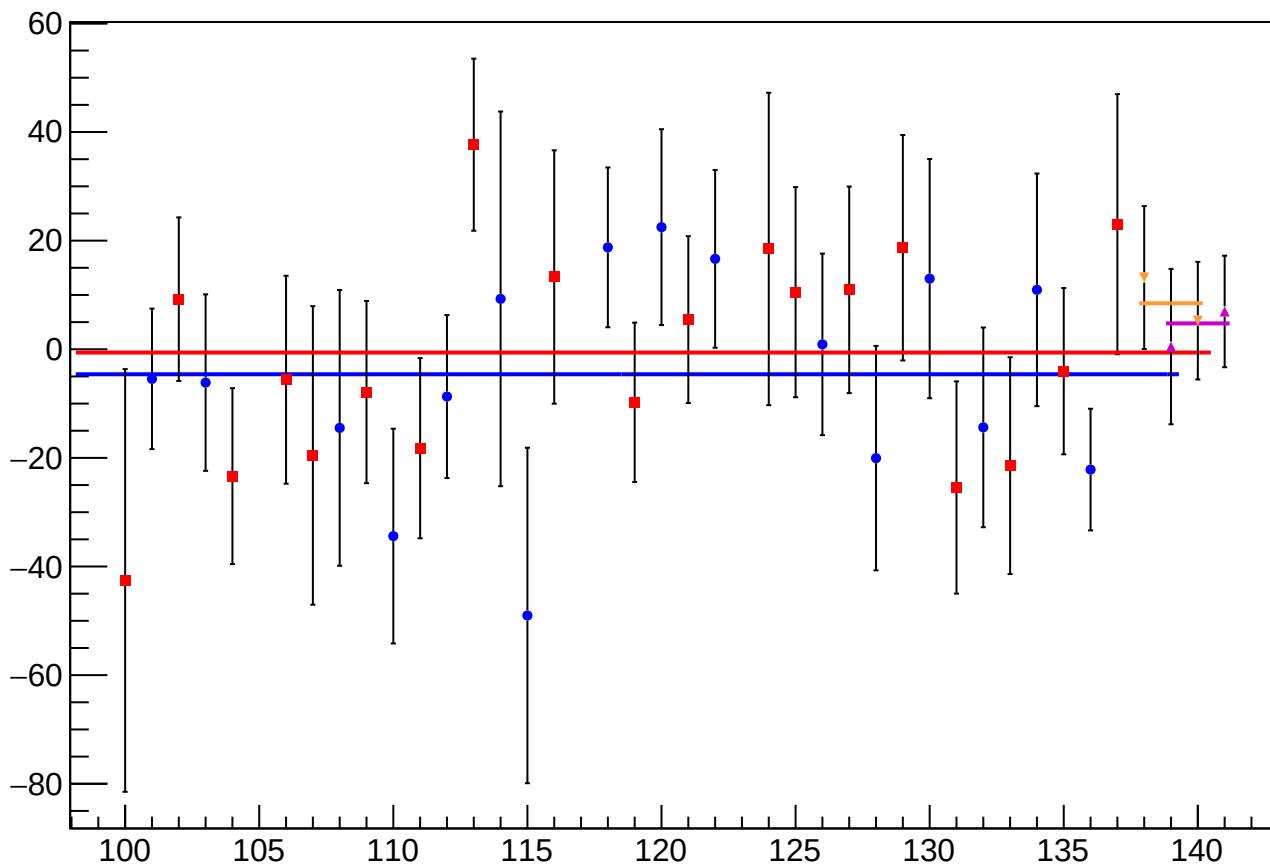
- sign 2.124 ± 1.796 χ^2/NDF : 23.2/20

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF : 1750609.4/15 + sign 5688.180+/-1.482 χ^2/NDF : 2578768.3/17
 Left Out: 4191.699+/-2.569 χ^2/NDF : 319702.5/1 All: 5151.374+/-0.965 χ^2/NDF : 6654848.9/38
 Right Out: 5637.344+/-1.636 χ^2/NDF : 2580013.6/18 - sign 4757.045+/-1.270 χ^2/NDF : 3848542.8/20
 Left In: 3421.155+/-2.016 χ^2/NDF : 539771.2/1

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

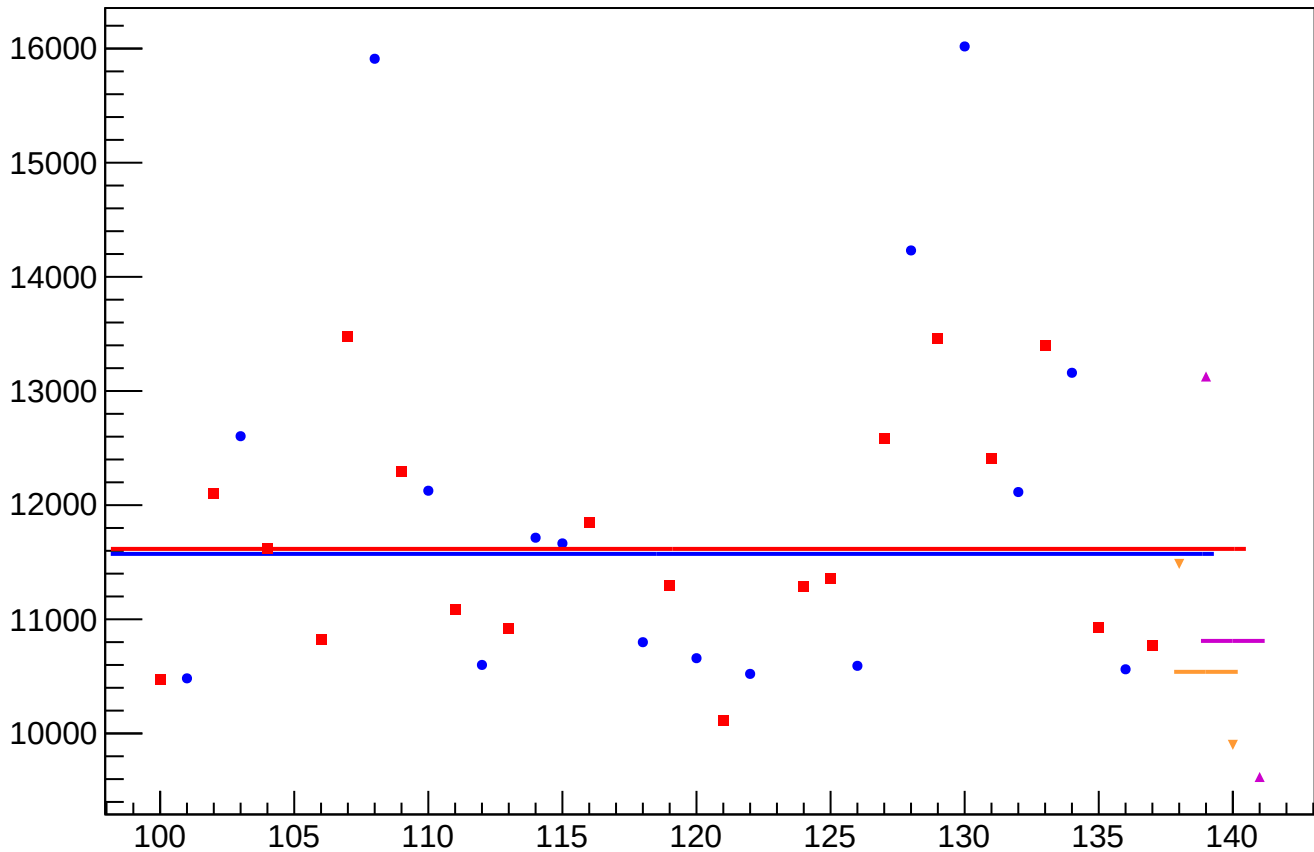
Left In: 4.765 ± 8.339 χ^2/NDF : 0.1/1

+ sign -1.812 ± 3.862 χ^2/NDF : 17.9/17

All: -0.630 ± 2.708 χ^2/NDF : 36.5/38

- sign 0.513 ± 3.798 χ^2/NDF : 18.4/20

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

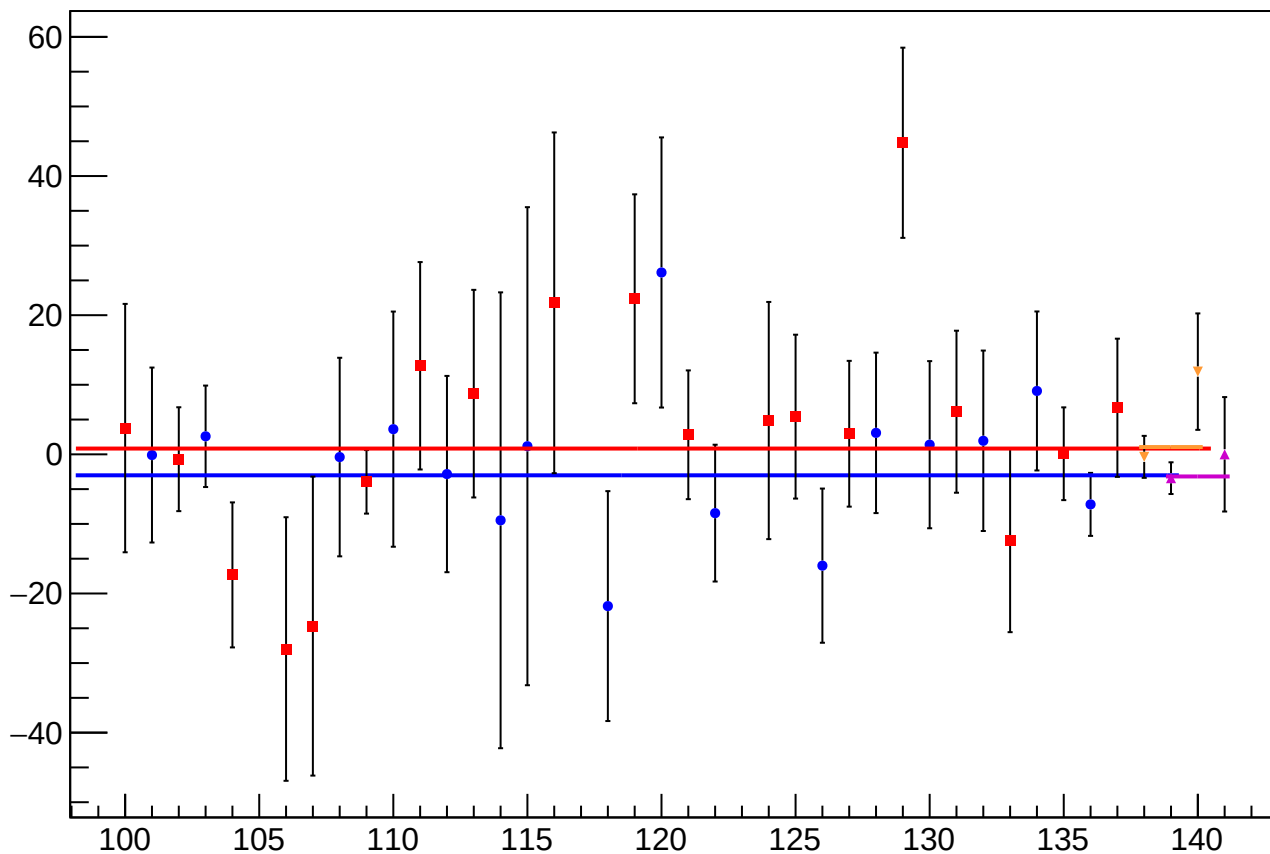
Left In: 10810.717+/-5.896 χ^2/NDF : 79416.5/1

+ sign 11352.523+/-2.731 χ^2/NDF : 301408.3/17

All: 11401.842+/-1.915 χ^2/NDF : 489442.4/38

- sign 11449.542+/-2.686 χ^2/NDF : 187392.5/20

diff_bpm11Y_mean vs Slug



Right In: -3.014 ± 2.654 χ^2/NDF : 8.7/15

Left Out: 1.048 ± 2.838 χ^2/NDF : 1.9/1

Right Out: 0.831 ± 2.352 χ^2/NDF : 23.8/18

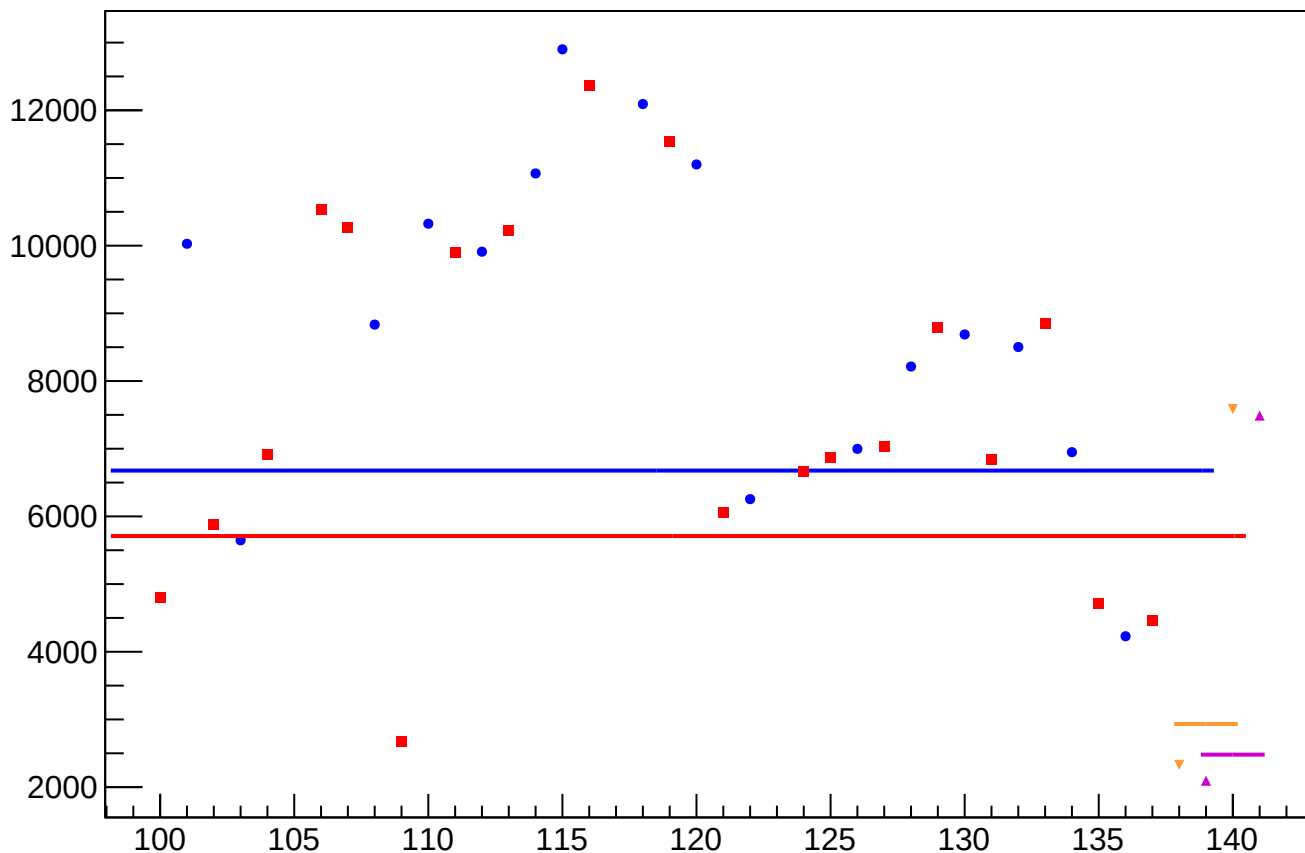
Left In: -3.178 ± 2.197 χ^2/NDF : 0.2/1

+ sign -1.120 ± 1.939 χ^2/NDF : 11.6/17

All: -1.232 ± 1.236 χ^2/NDF : 37.2/38

- sign -1.309 ± 1.605 χ^2/NDF : 25.5/20

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF : 1572864.3/15

Left Out: 2932.841+/-2.007 χ^2/NDF : 698712.4/1

Right Out: 5709.821+/-1.663 χ^2/NDF : 2301039.5/18

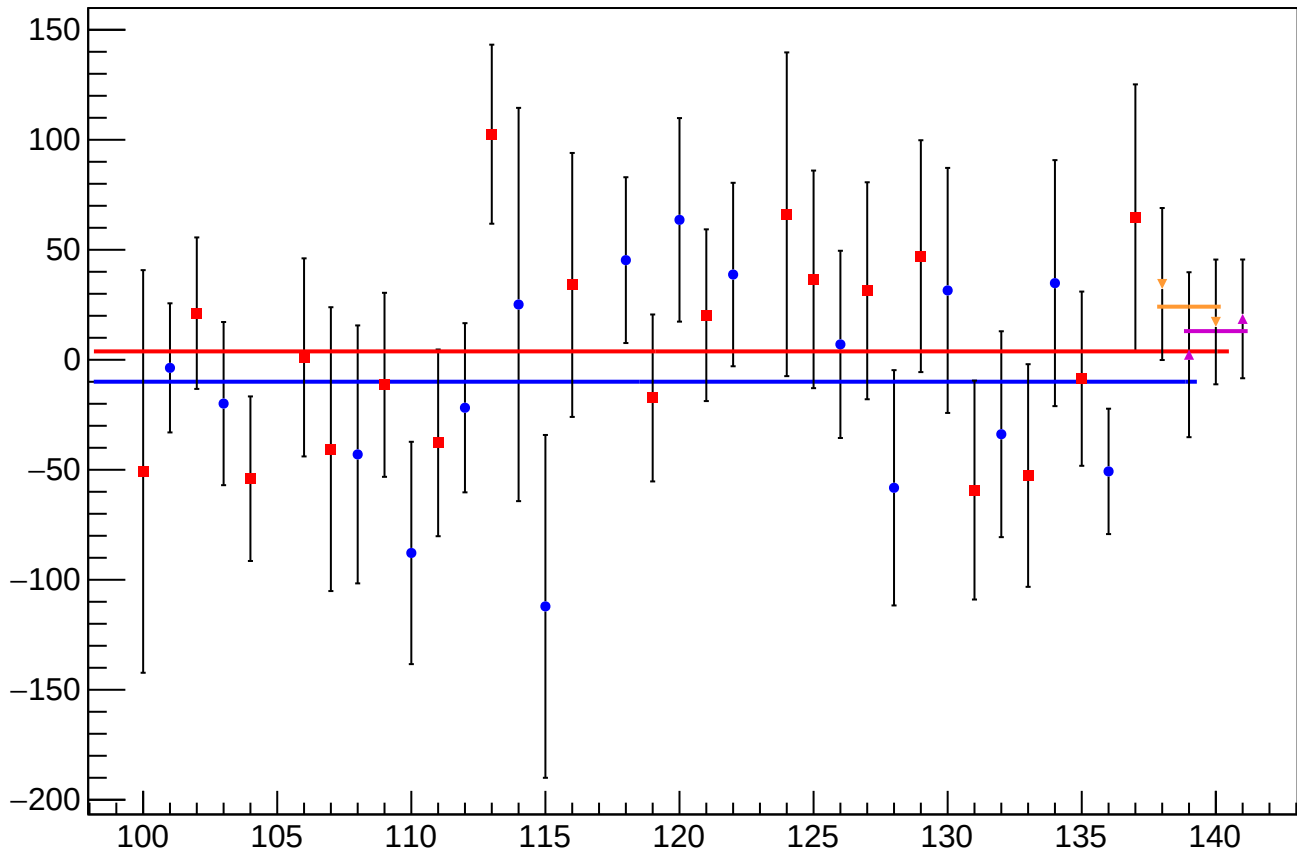
Left In: 2480.308+/-1.554 χ^2/NDF : 798908.6/1

+ sign 4930.528+/-1.371 χ^2/NDF : 4128208.1/17

All: 4370.005+/-0.874 χ^2/NDF : 9523932.7/38

- sign 3985.568+/-1.135 χ^2/NDF : 5113844.6/20

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

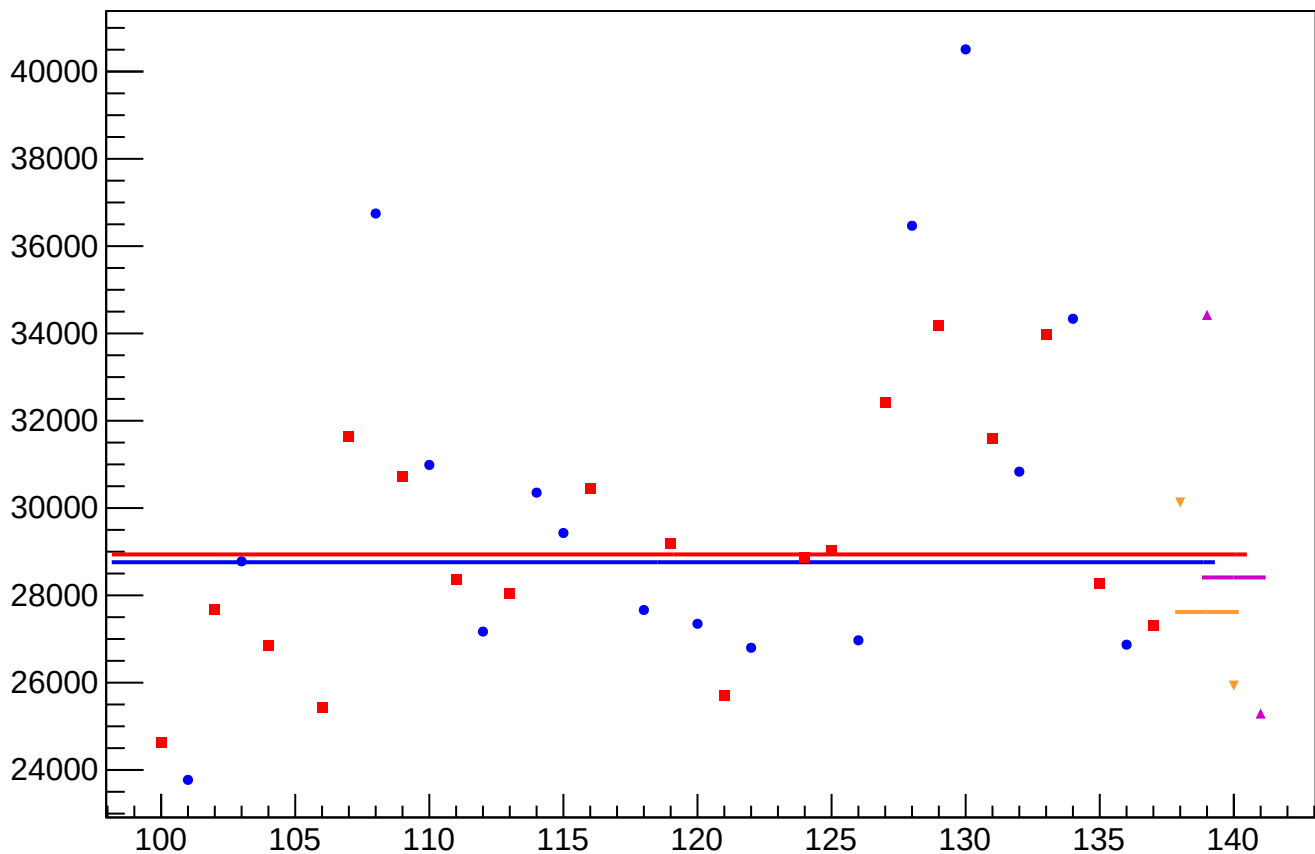
Left In: 13.031 $\pm$ 21.903 χ^2 /NDF: 0.1/1

+ sign -3.268 $\pm$ 9.714 χ^2 /NDF: 17.4/17

All: 1.219 $\pm$ 6.816 χ^2 /NDF: 35.4/38

- sign 5.572 $\pm$ 9.568 χ^2 /NDF: 17.6/20

diff_bpm12X_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

Right Out: 28937.633+/-7.521 χ^2/NDF : 106266.0/18

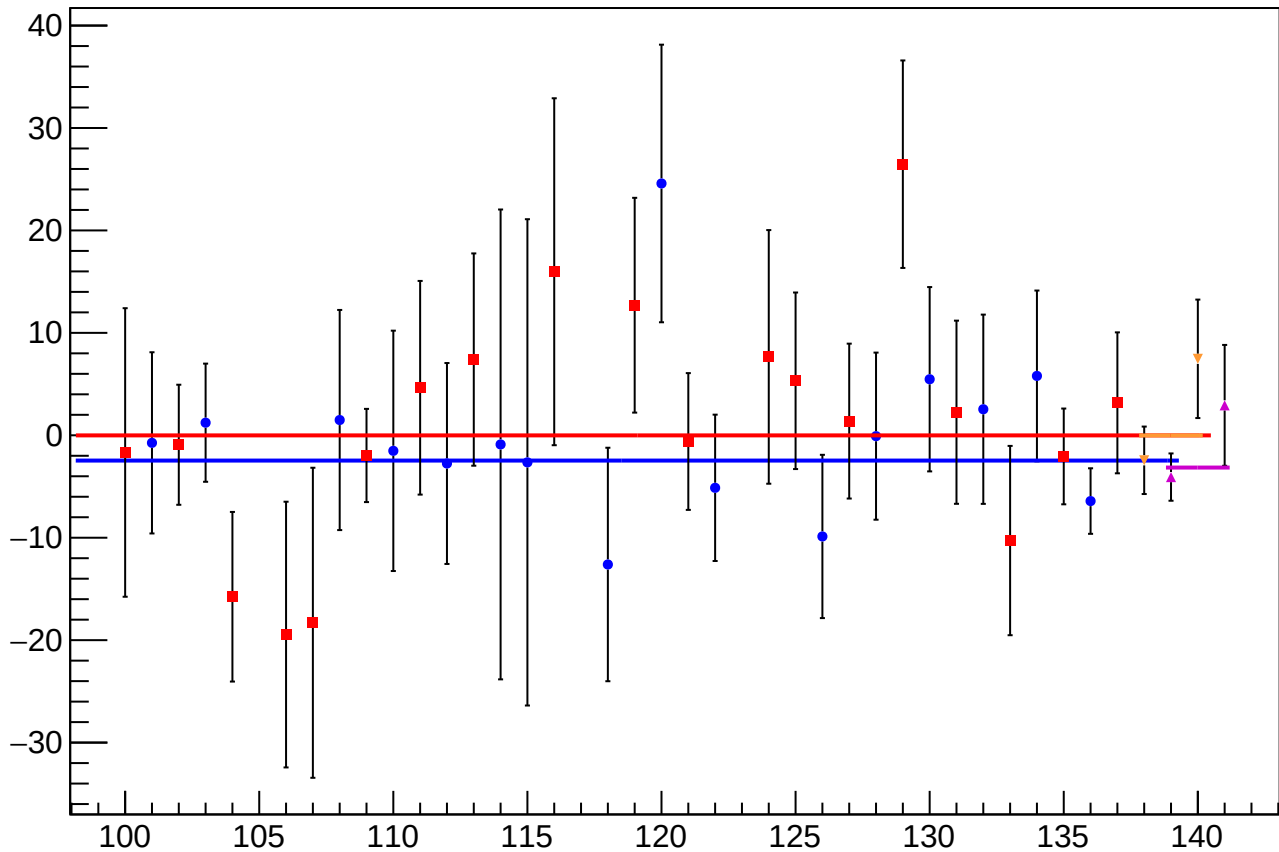
Left In: 28409.950+/-15.488 χ^2/NDF : 78168.4/1

+ sign 28535.382+/-6.869 χ^2/NDF : 299614.0/17

All: 28688.446+/-4.820 χ^2/NDF : 485966.0/38

- sign 28836.941+/-6.765 χ^2/NDF : 185373.7/20

diff_bpm12Y_mean vs Slug



Right In: -2.467 ± 1.916 $\chi^2/\text{NDF}: 10.0/15$

Left Out: -0.016 ± 2.861 $\chi^2/\text{NDF}: 2.2/1$

Right Out: -0.009 ± 1.828 $\chi^2/\text{NDF}: 20.0/18$

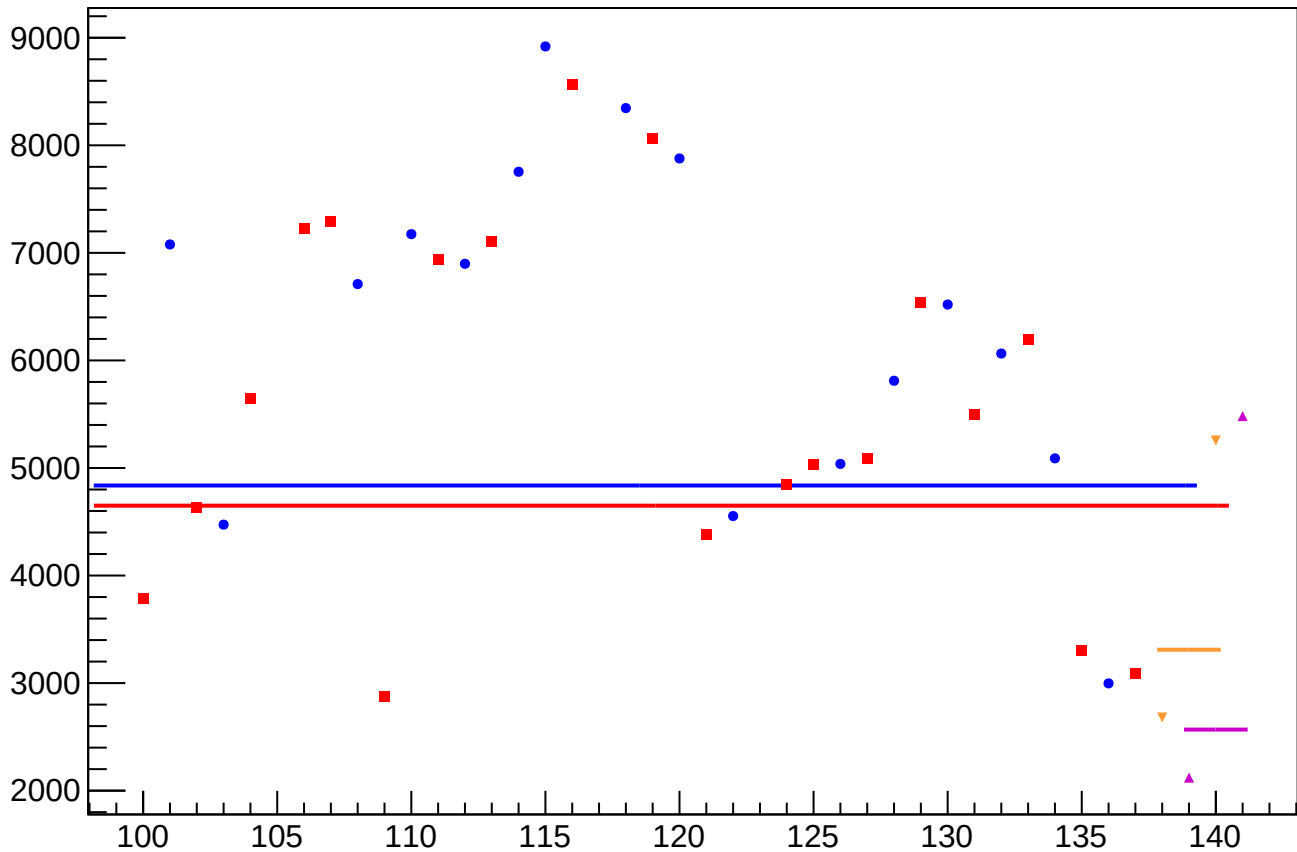
Left In: -3.150 ± 2.150 $\chi^2/\text{NDF}: 1.2/1$

+ sign -1.709 ± 1.592 $\chi^2/\text{NDF}: 12.8/17$

All: -1.493 ± 1.048 $\chi^2/\text{NDF}: 35.2/38$

- sign -1.327 ± 1.393 $\chi^2/\text{NDF}: 22.4/20$

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

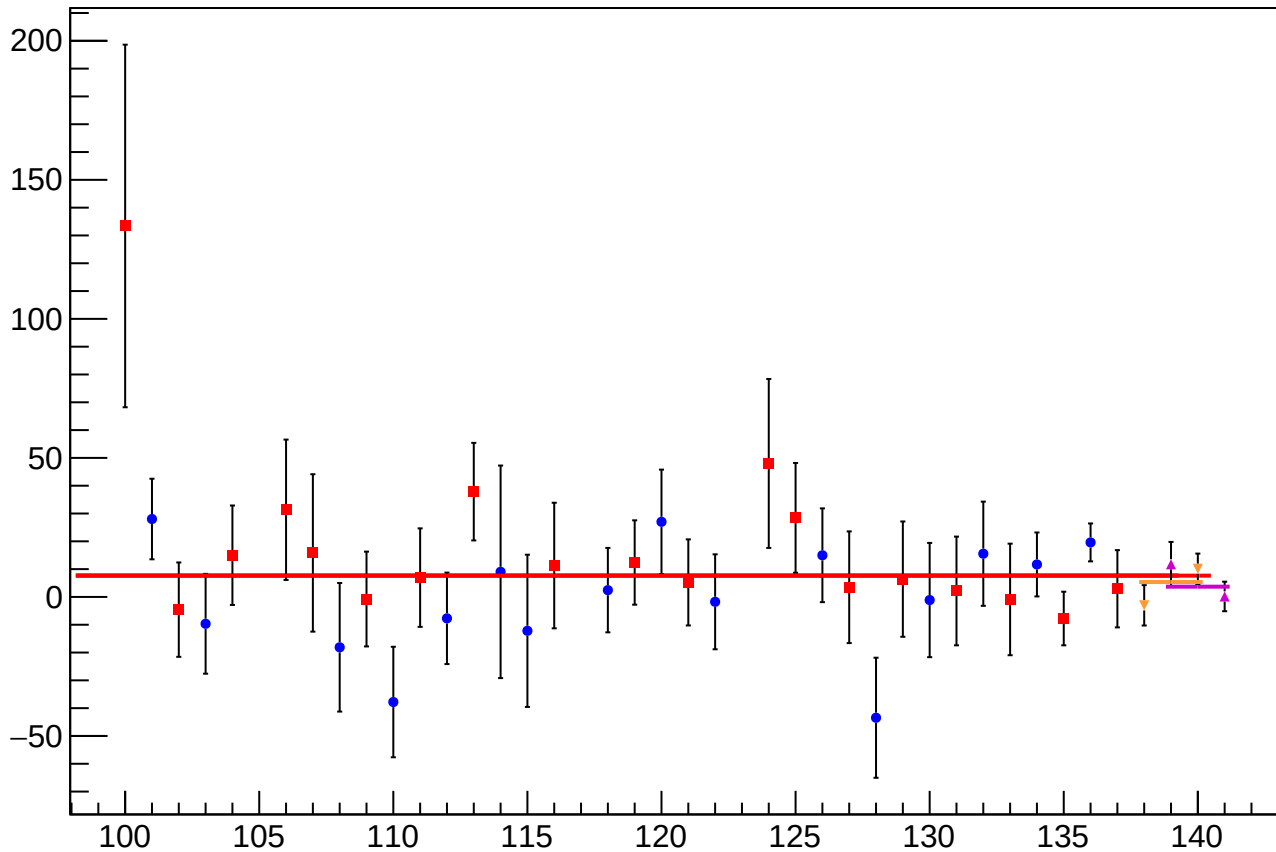
Left In: 2567.718+/-1.520 χ^2/NDF : 563267.9/1

+ sign 4364.604+/-1.126 χ^2/NDF : 2240691.4/17

All: 4031.214+/-0.741 χ^2/NDF : 5481797.4/38

- sign 3776.005+/-0.985 χ^2/NDF : 3086217.5/20

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

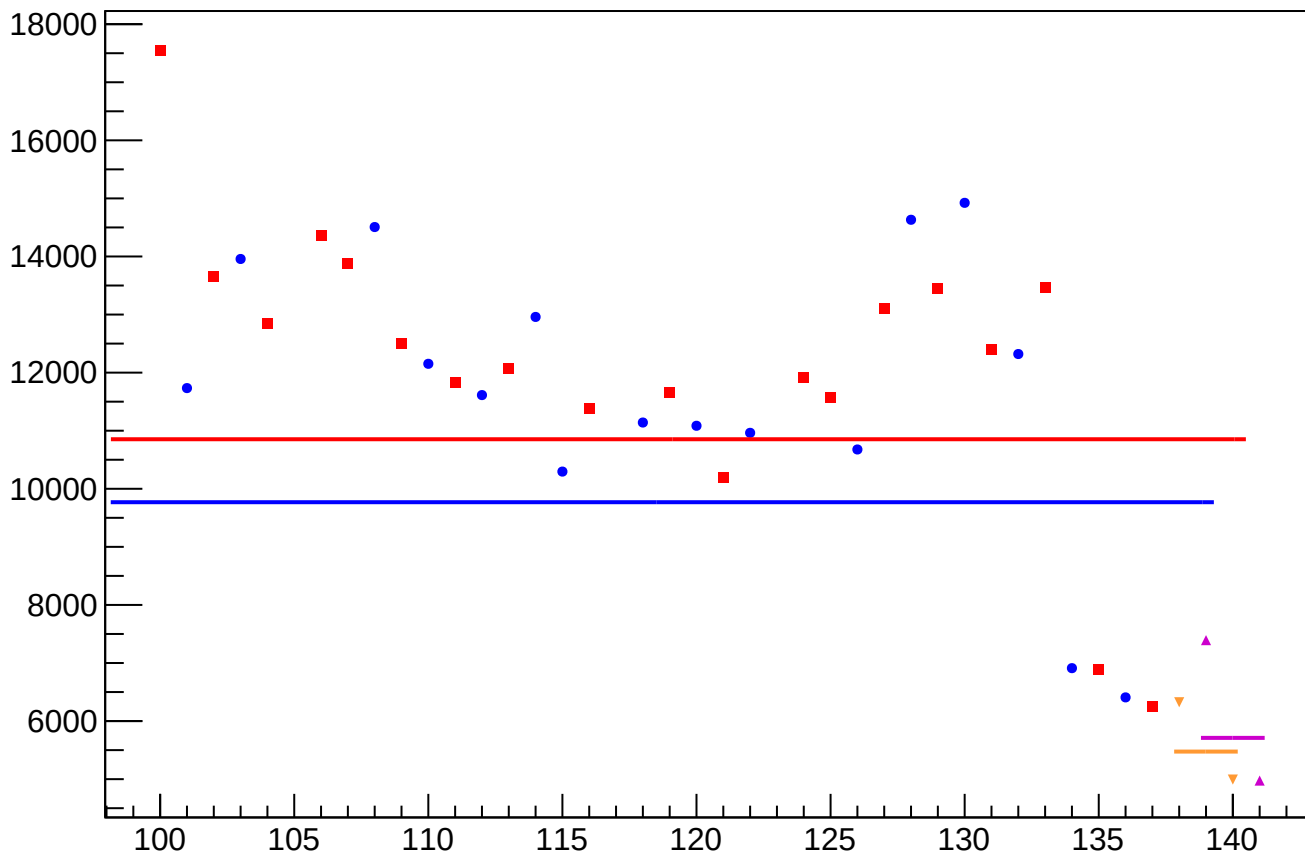
Left In: 3.690 $\pm$ 4.433 χ^2 /NDF: 1.4/1

+ sign 6.686 $\pm$ 2.875 χ^2 /NDF: 23.9/17

All: 6.275 $\pm$ 2.079 χ^2 /NDF: 40.4/38

- sign 5.825 $\pm$ 3.010 χ^2 /NDF: 16.5/20

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

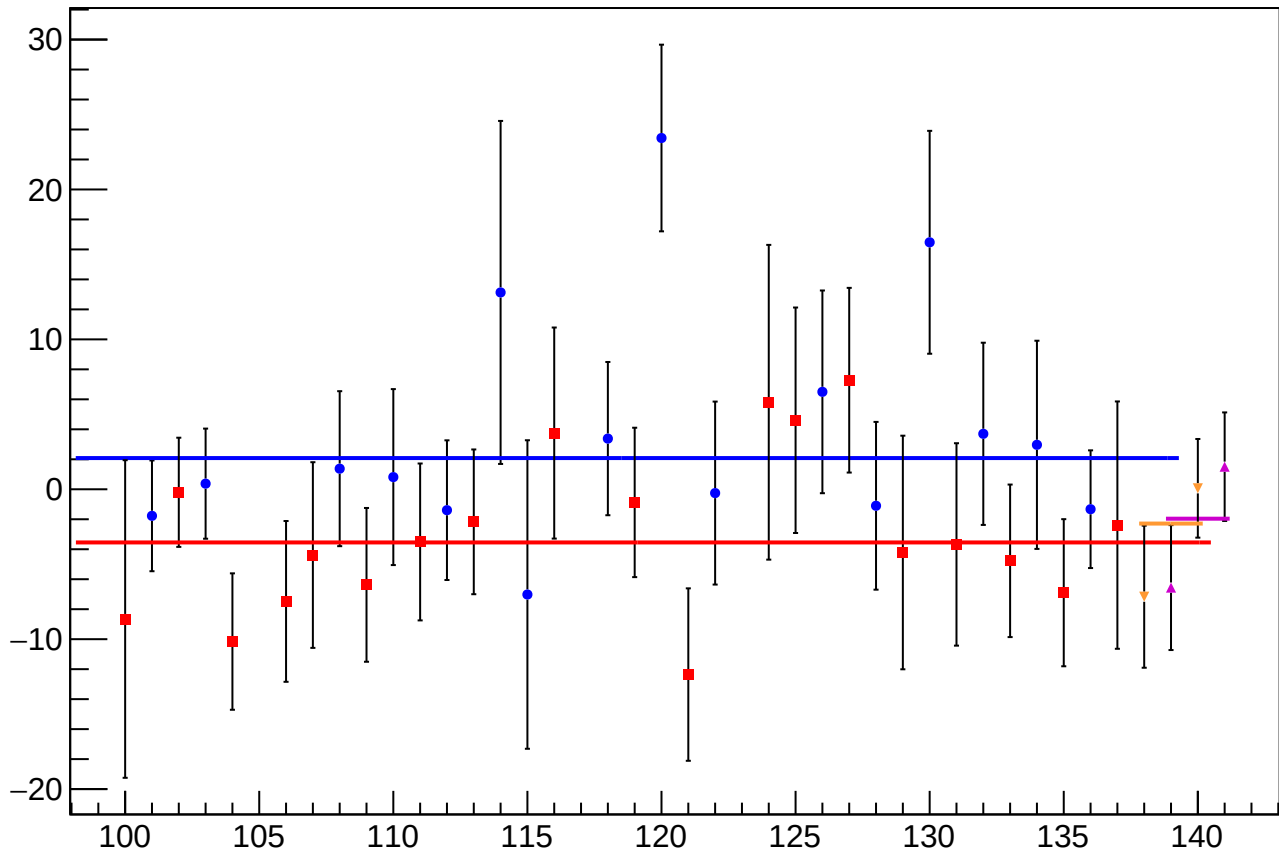
Left In: 5710.827 $\pm$ 3.135 χ^2 /NDF: 125932.1/1

+ sign 7907.030 $\pm$ 2.033 χ^2 /NDF: 2352417.6/17

All: 8181.757 $\pm$ 1.470 χ^2 /NDF: 4841711.2/38

- sign 8482.884 $\pm$ 2.128 χ^2 /NDF: 2451008.1/20

diff_bpm16Y_mean vs Slug



Right In: 2.082 ± 1.345 χ^2/NDF : 21.0/15

Left Out: -2.287 ± 2.703 χ^2/NDF : 1.6/1

Right Out: -3.546 ± 1.304 χ^2/NDF : 13.4/18

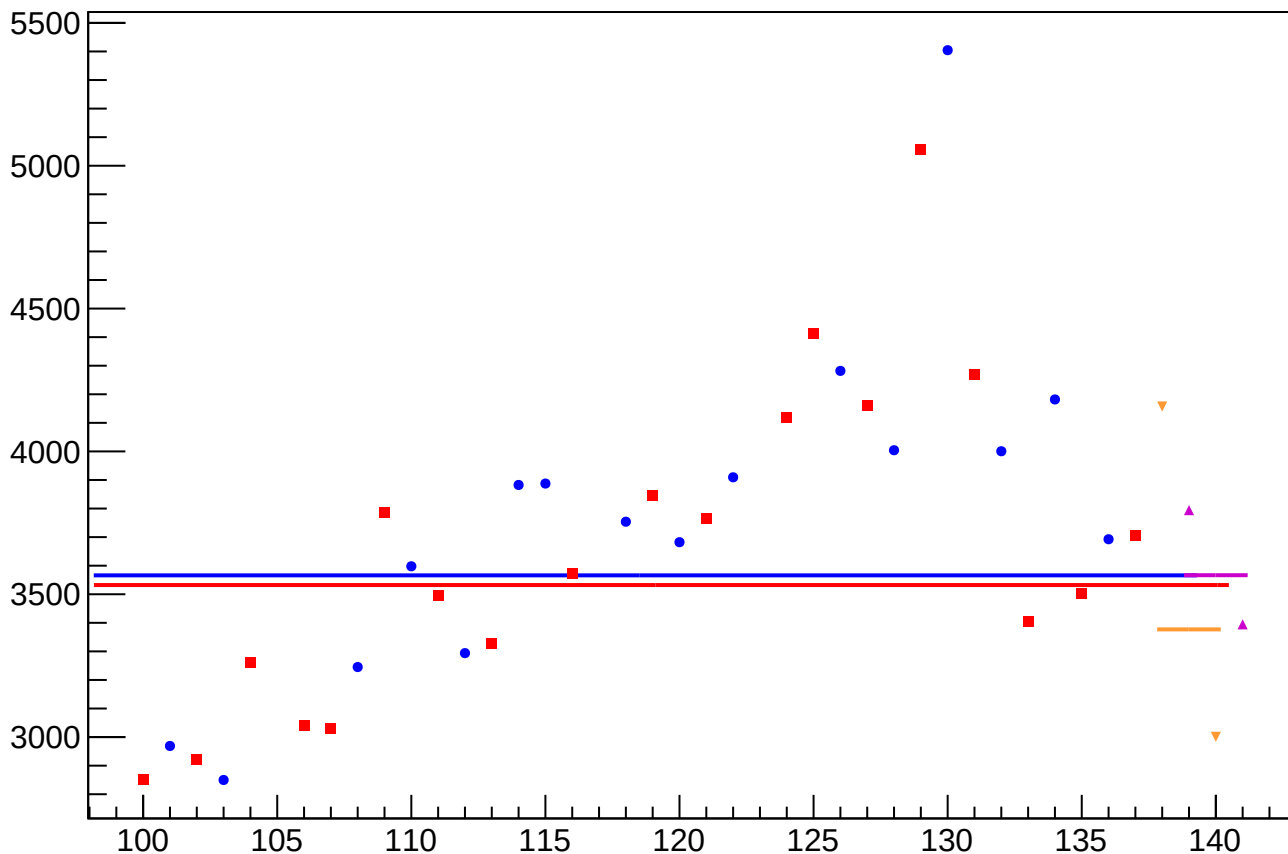
Left In: -1.962 ± 2.732 χ^2/NDF : 2.1/1

+ sign 1.215 ± 1.204 χ^2/NDF : 24.6/17

All: -1.070 ± 0.842 χ^2/NDF : 47.5/38

- sign -3.252 ± 1.177 χ^2/NDF : 15.9/20

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF : 341105.5/15

Left Out: 3376.987+/-1.911 χ^2/NDF : 80304.5/1

Right Out: 3532.189+/-0.922 χ^2/NDF : 278693.0/18

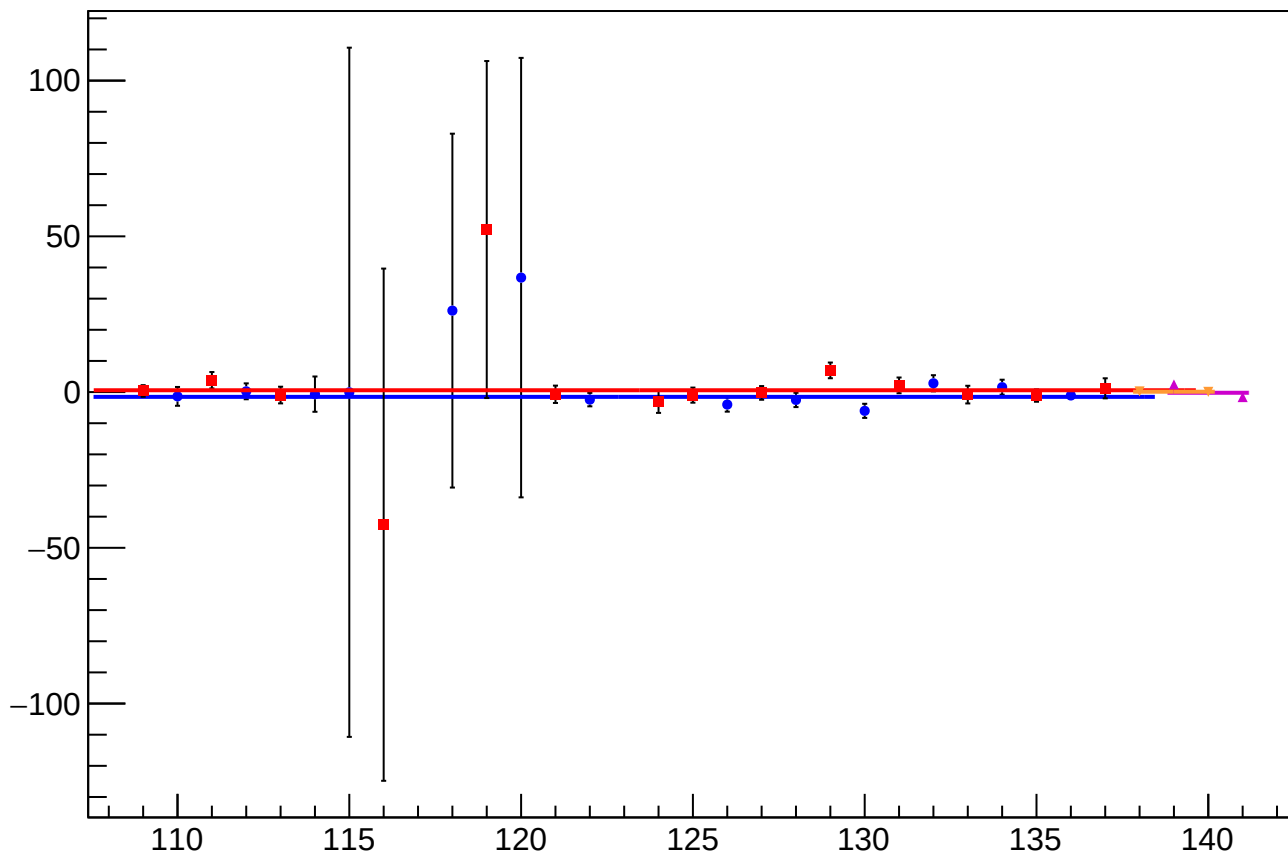
Left In: 3566.654+/-1.932 χ^2/NDF : 10490.7/1

+ sign 3528.599+/-0.852 χ^2/NDF : 429259.6/17

All: 3533.706+/-0.595 χ^2/NDF : 718772.8/38

- sign 3538.584+/-0.832 χ^2/NDF : 289442.8/20

diff_bpm1p02bX_mean vs Slug



Right In: -1.536 ± 0.733 χ^2/NDF : 11.1/12

Left Out: 0.117 ± 0.846 χ^2/NDF : 0.0/1

Right Out: 0.588 ± 0.717 χ^2/NDF : 12.7/13

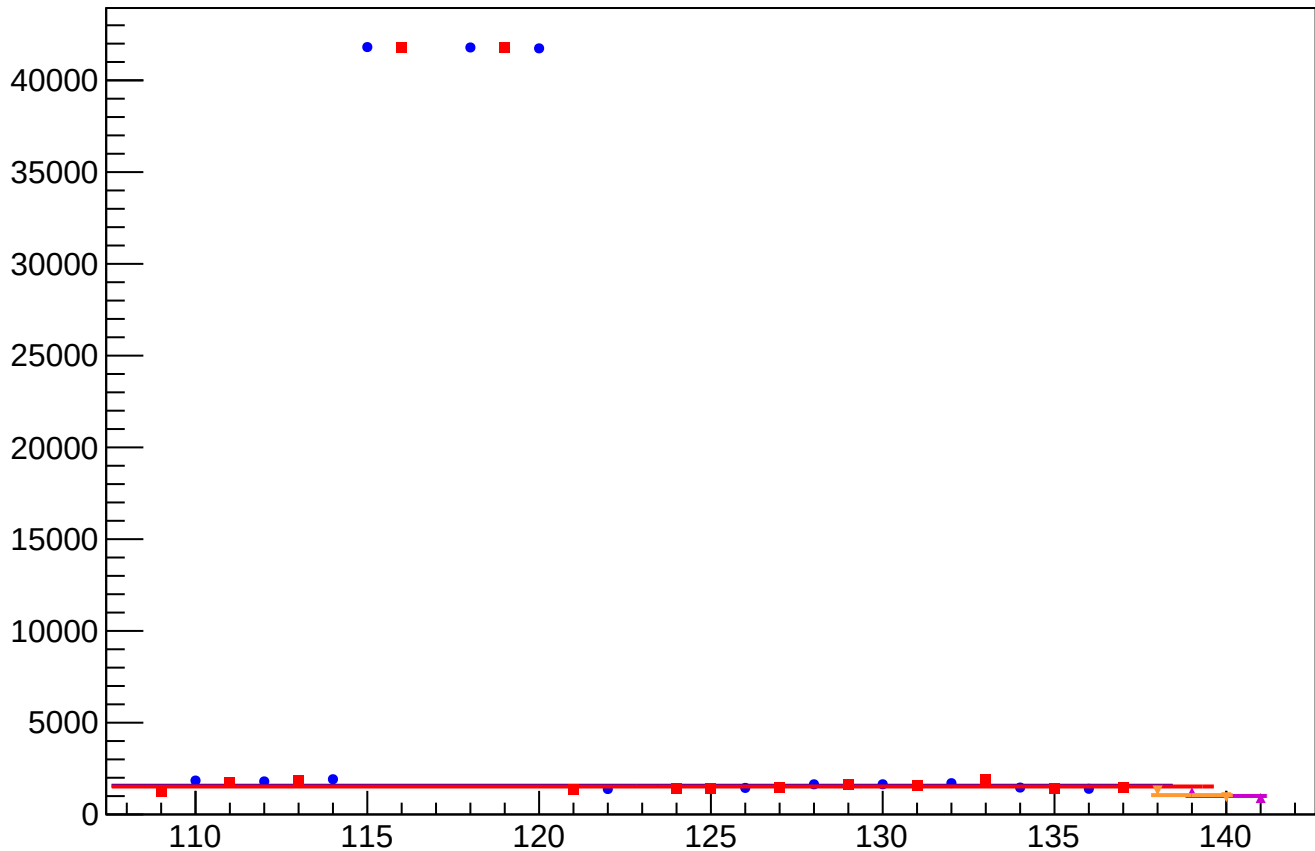
Left In: -0.222 ± 0.777 χ^2/NDF : 6.1/1

+ sign -0.827 ± 0.554 χ^2/NDF : 13.3/14

All: -0.280 ± 0.382 χ^2/NDF : 34.5/30

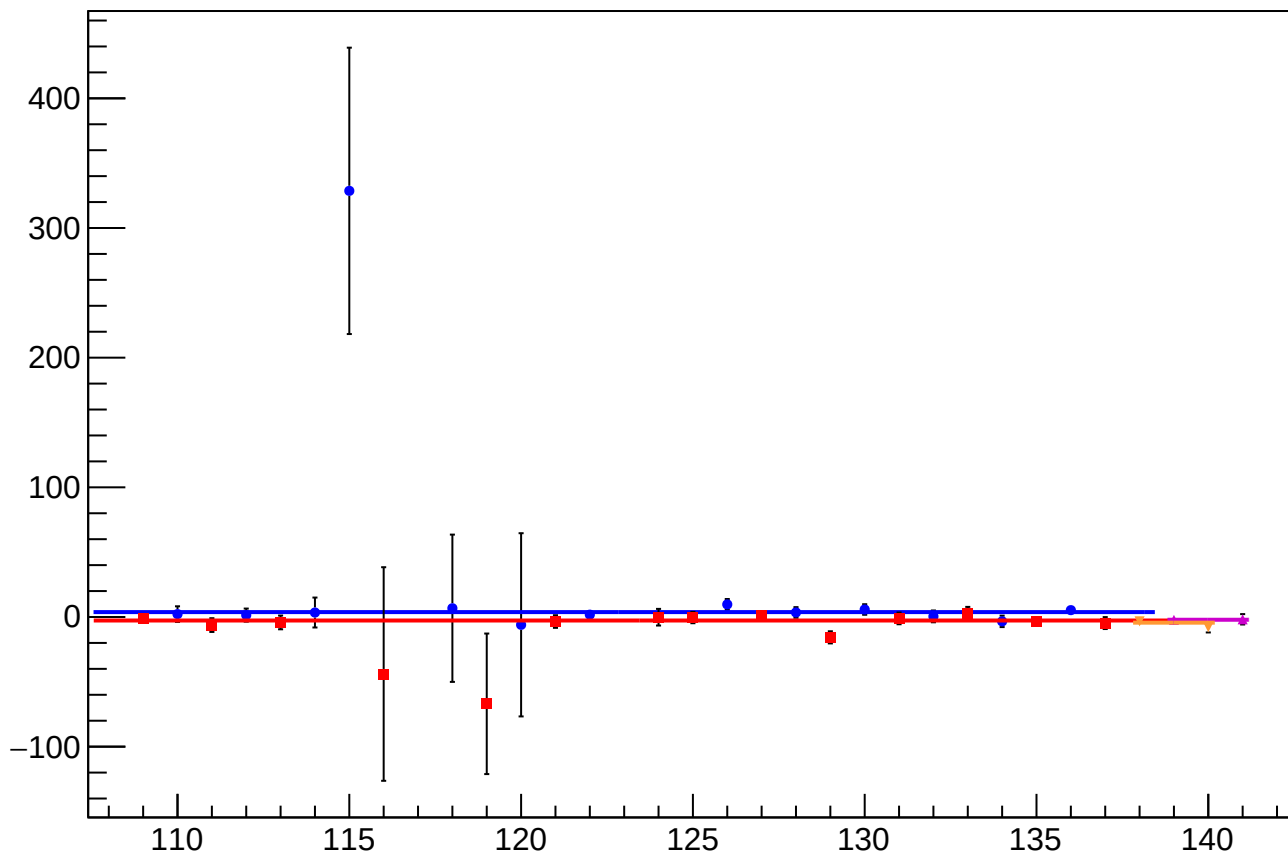
- sign 0.215 ± 0.527 χ^2/NDF : 19.4/15

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307 $\pm$ 0.518 χ^2 /NDF: 2016990.6/12 + sign 1345.431 $\pm$ 0.392 χ^2 /NDF: 2515083.4/14
 Left Out: 1053.955 $\pm$ 0.598 χ^2 /NDF: 81963.0/1 All: 1314.195 $\pm$ 0.270 χ^2 /NDF: 4820449.8/30
 Right Out: 1523.678 $\pm$ 0.507 χ^2 /NDF: 1739658.0/13 - sign 1285.912 $\pm$ 0.373 χ^2 /NDF: 2293239.7/15
 Left In: 1006.900 $\pm$ 0.549 χ^2 /NDF: 75691.1/1

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

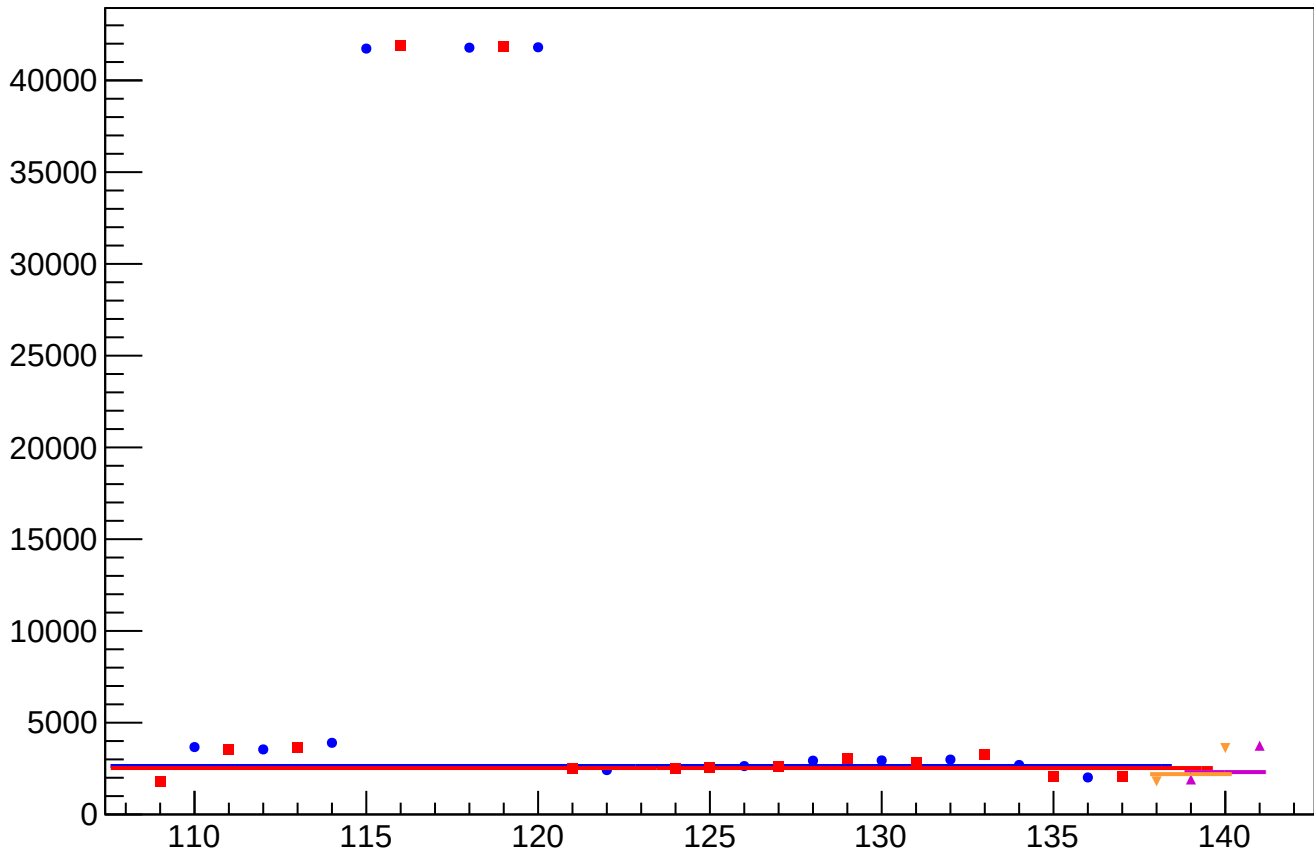
Left In: -2.132 ± 1.869 χ^2/NDF : 0.0/1

+ sign 1.231 ± 1.035 χ^2/NDF : 29.5/14

All: -0.688 ± 0.725 χ^2/NDF : 50.0/30

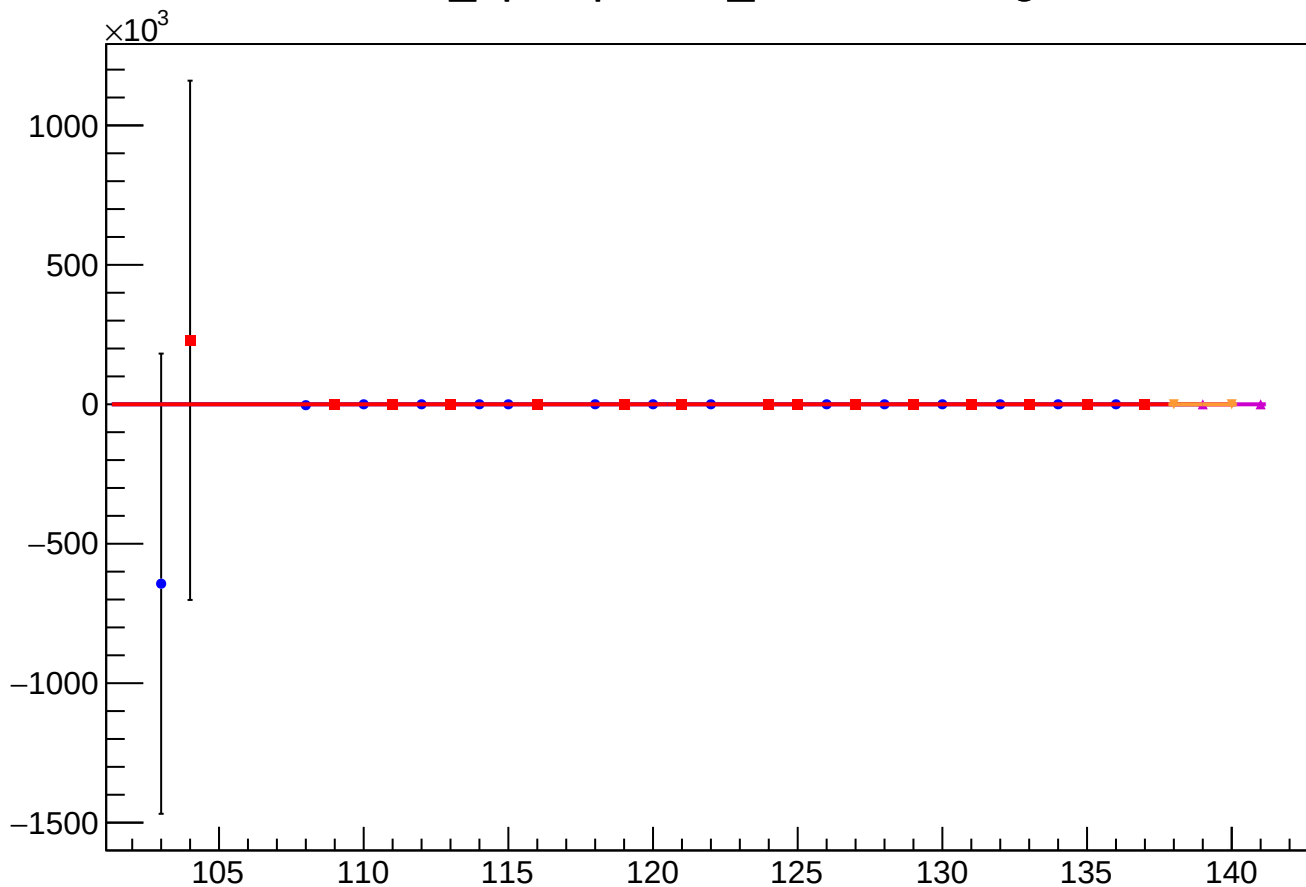
- sign -2.538 ± 1.016 χ^2/NDF : 13.7/15

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: 2482.659 ± 0.513 $\chi^2/\text{NDF}: 4881307.5/30$
 Right Out: 2529.018 ± 0.856 $\chi^2/\text{NDF}: 1949928.1/13$ - sign 2464.059 ± 0.719 $\chi^2/\text{NDF}: 2299517.0/15$
 Left In: 2309.277 ± 1.322 $\chi^2/\text{NDF}: 330119.6/1$

diff_bpm1p03aX_mean vs Slug



Right In: -1.215 ± 1.125 χ^2/NDF : 18.8/14

Left Out: -1.147 ± 1.184 χ^2/NDF : 1.4/1

Right Out: -2.670 ± 1.211 χ^2/NDF : 14.4/14

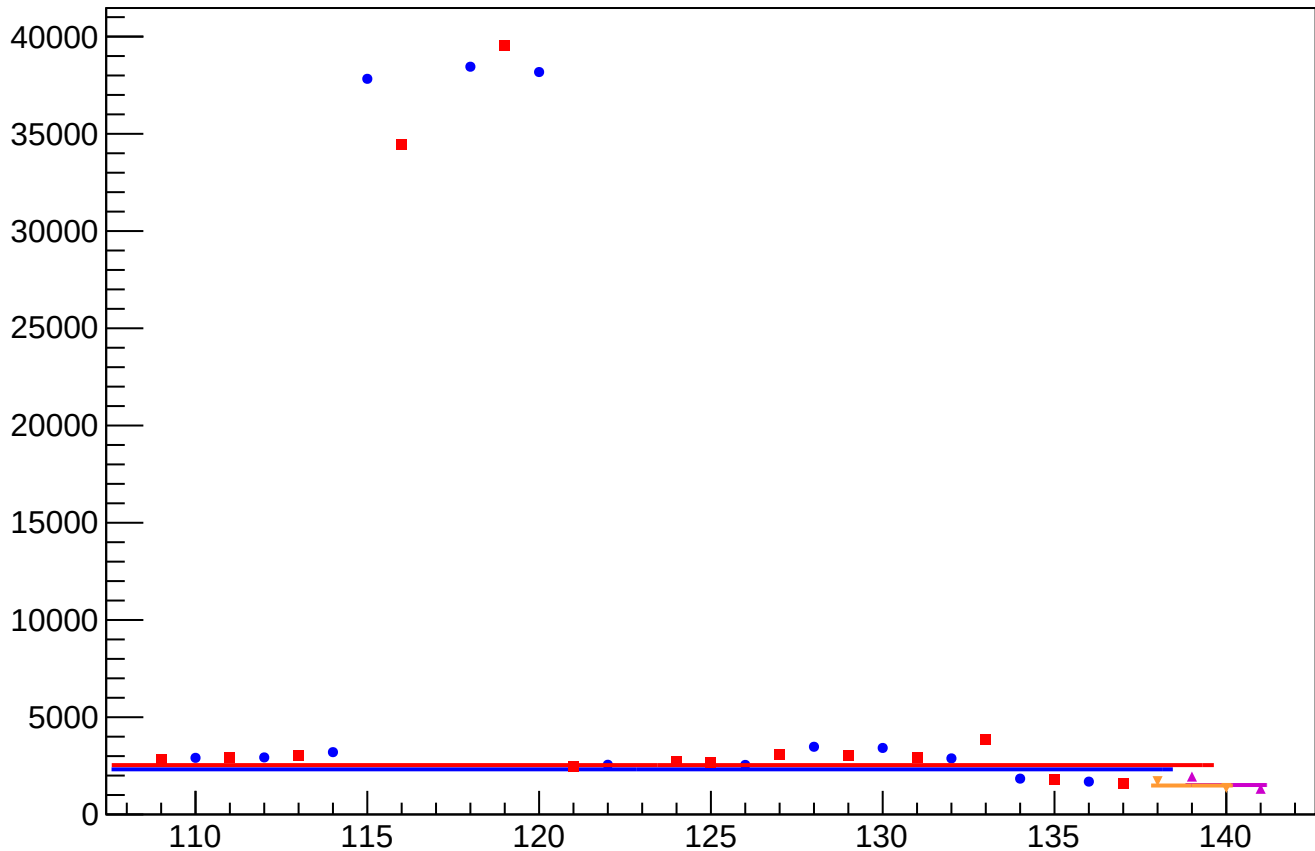
Left In: -1.242 ± 1.173 χ^2/NDF : 0.2/1

+ sign -1.182 ± 0.816 χ^2/NDF : 20.2/16

All: -1.546 ± 0.586 χ^2/NDF : 35.9/33

- sign -1.933 ± 0.843 χ^2/NDF : 15.3/16

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF : 2461445.1/12

Left Out: 1487.963+/-0.837 χ^2/NDF : 40708.7/1

Right Out: 2537.615+/-0.856 χ^2/NDF : 2038153.2/13

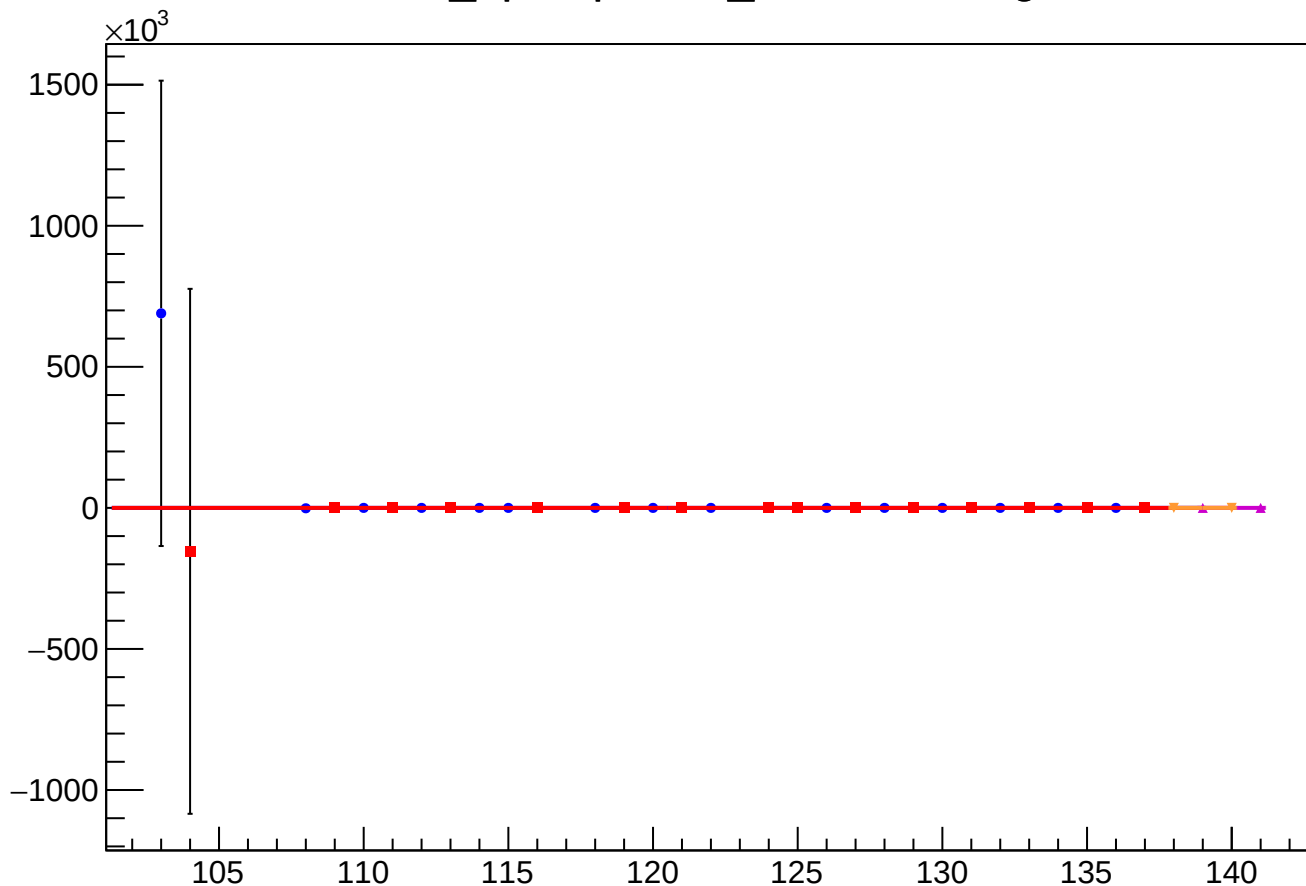
Left In: 1513.728+/-0.830 χ^2/NDF : 121378.6/1

+ sign 1925.429+/-0.577 χ^2/NDF : 3021558.0/14

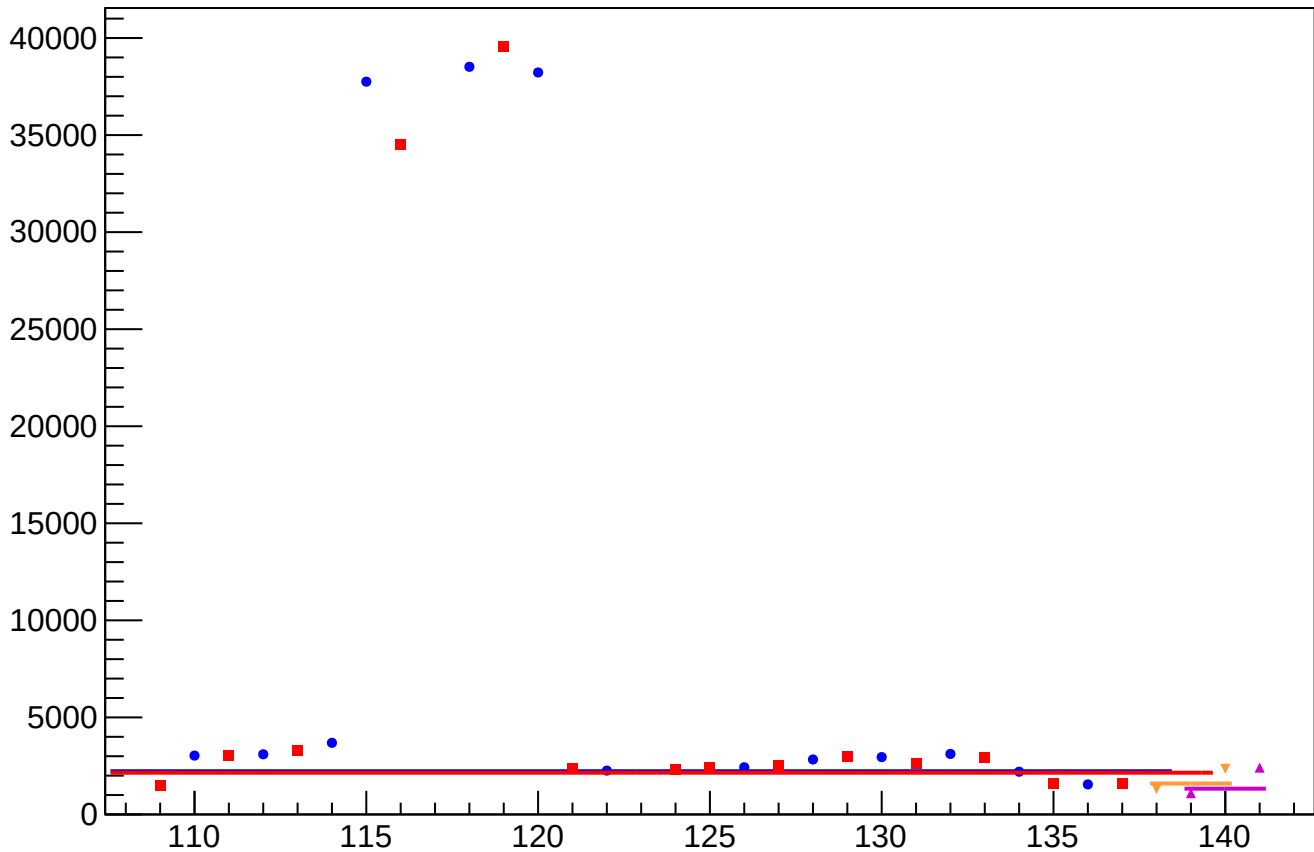
All: 1966.058+/-0.414 χ^2/NDF : 5928734.1/30

- sign 2009.419+/-0.596 χ^2/NDF : 2896919.2/15

diff_bpm1p03aY_mean vs Slug



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

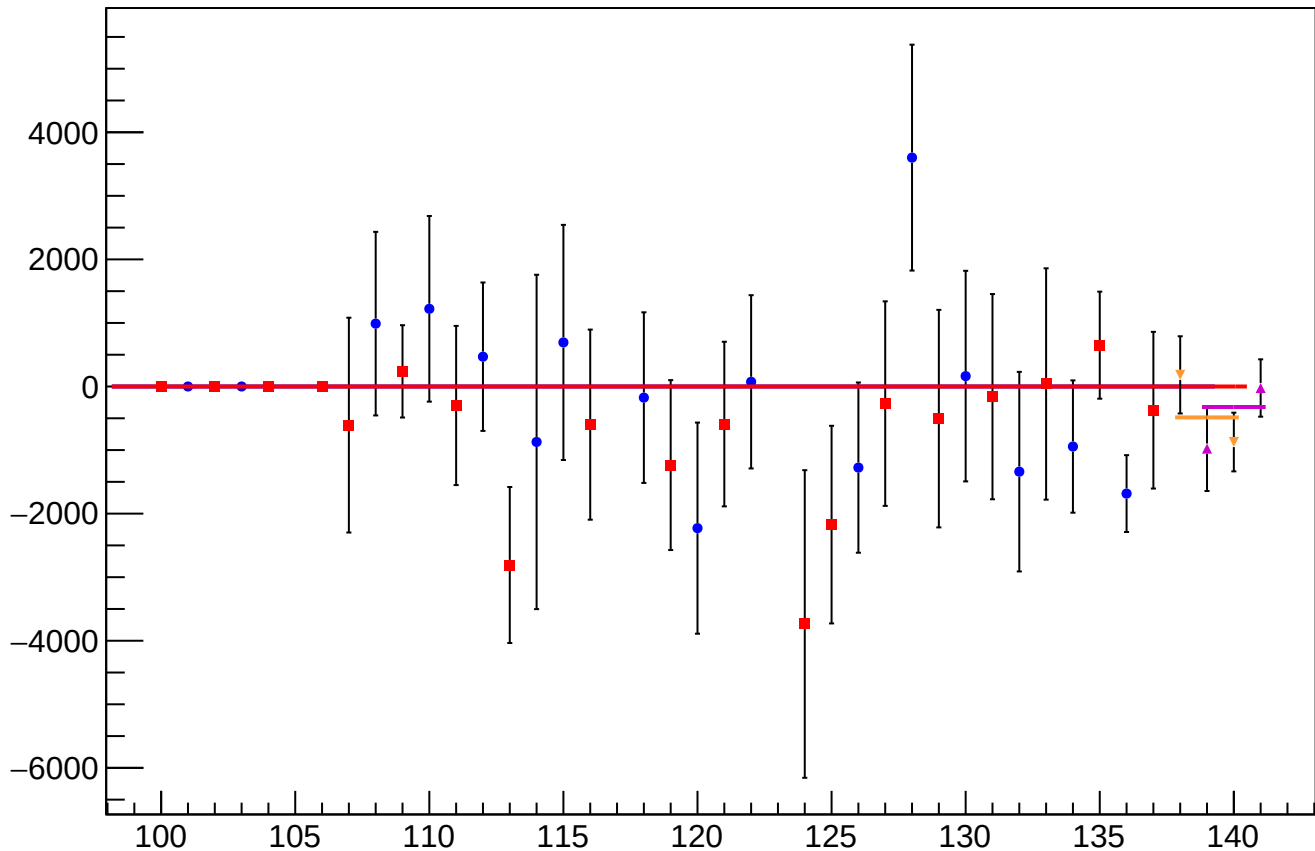
Left In: 1328.451+/-0.767 χ^2/NDF : 423605.0/1

+ sign 1981.981+/-0.596 χ^2/NDF : 3027594.1/14

All: 1854.738+/-0.398 χ^2/NDF : 6356925.6/30

- sign 1752.564+/-0.534 χ^2/NDF : 3247148.5/15

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

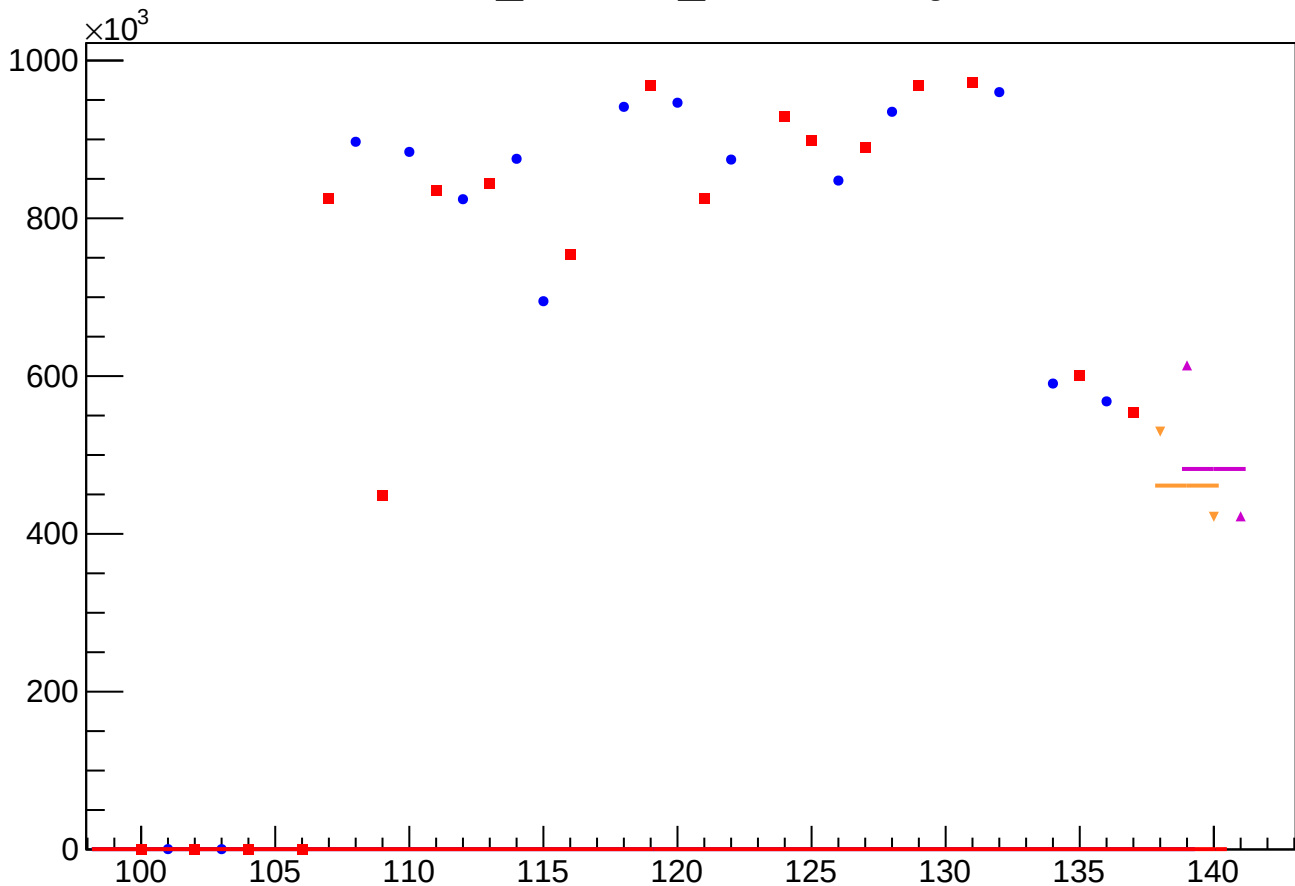
Left In: -322.627 ± 373.752 χ^2/NDF : 1.4/1

+ sign 0.255 ± 0.356 χ^2/NDF : 21.4/17

All: 0.169 ± 0.241 χ^2/NDF : 39.1/38

- sign 0.096 ± 0.328 χ^2/NDF : 17.6/20

diff_cav4bX_rms vs Slug



Right In: 398.881 ± 0.251 $\chi^2/\text{NDF}: 8491830.9/14$

Left Out: 461211.956 ± 259.894 $\chi^2/\text{NDF}: 40047.3/1$

Right Out: 393.240 ± 0.232 $\chi^2/\text{NDF}: 7648578.2/17$

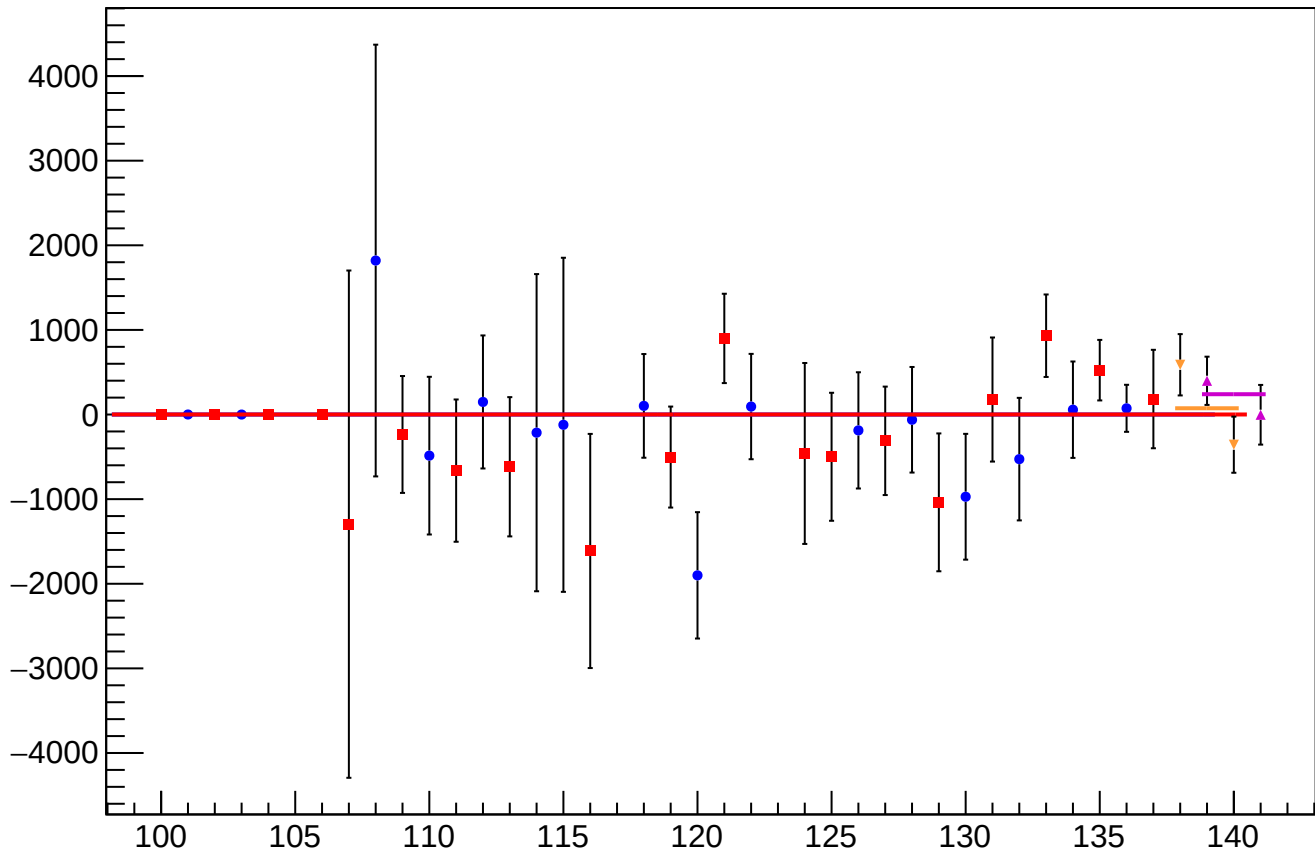
Left In: 482295.920 ± 264.282 $\chi^2/\text{NDF}: 112826.6/1$

+ sign 399.312 ± 0.251 $\chi^2/\text{NDF}: 11675700.4/16$

All: 396.229 ± 0.170 $\chi^2/\text{NDF}: 22762312.6/30$

- sign 393.611 ± 0.232 $\chi^2/\text{NDF}: 11086334.3/19$

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

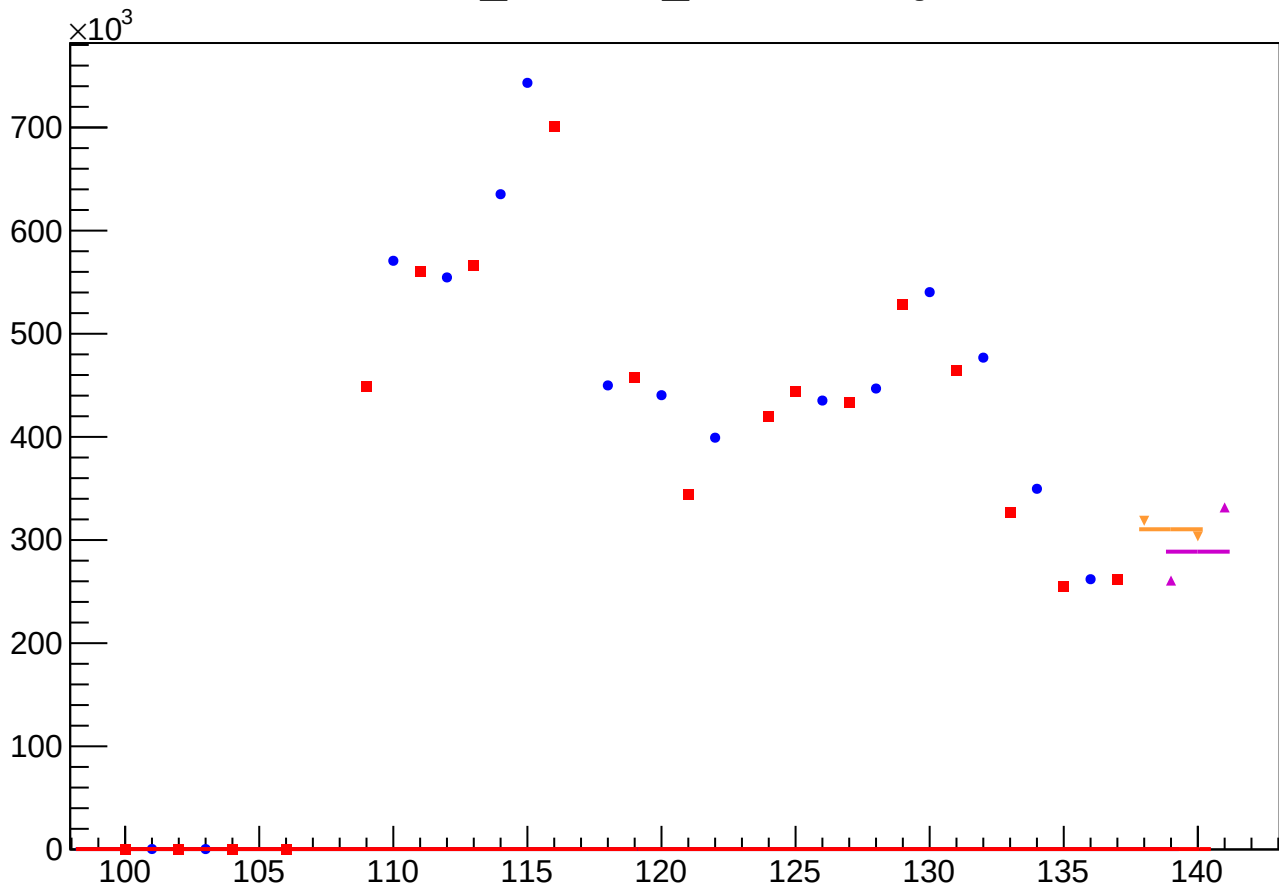
Left In: 240.113 ± 221.680 χ^2/NDF : 0.8/1

+ sign -0.020 ± 0.347 χ^2/NDF : 14.3/17

All: 0.311 ± 0.237 χ^2/NDF : 32.9/38

- sign 0.599 ± 0.324 χ^2/NDF : 17.0/20

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

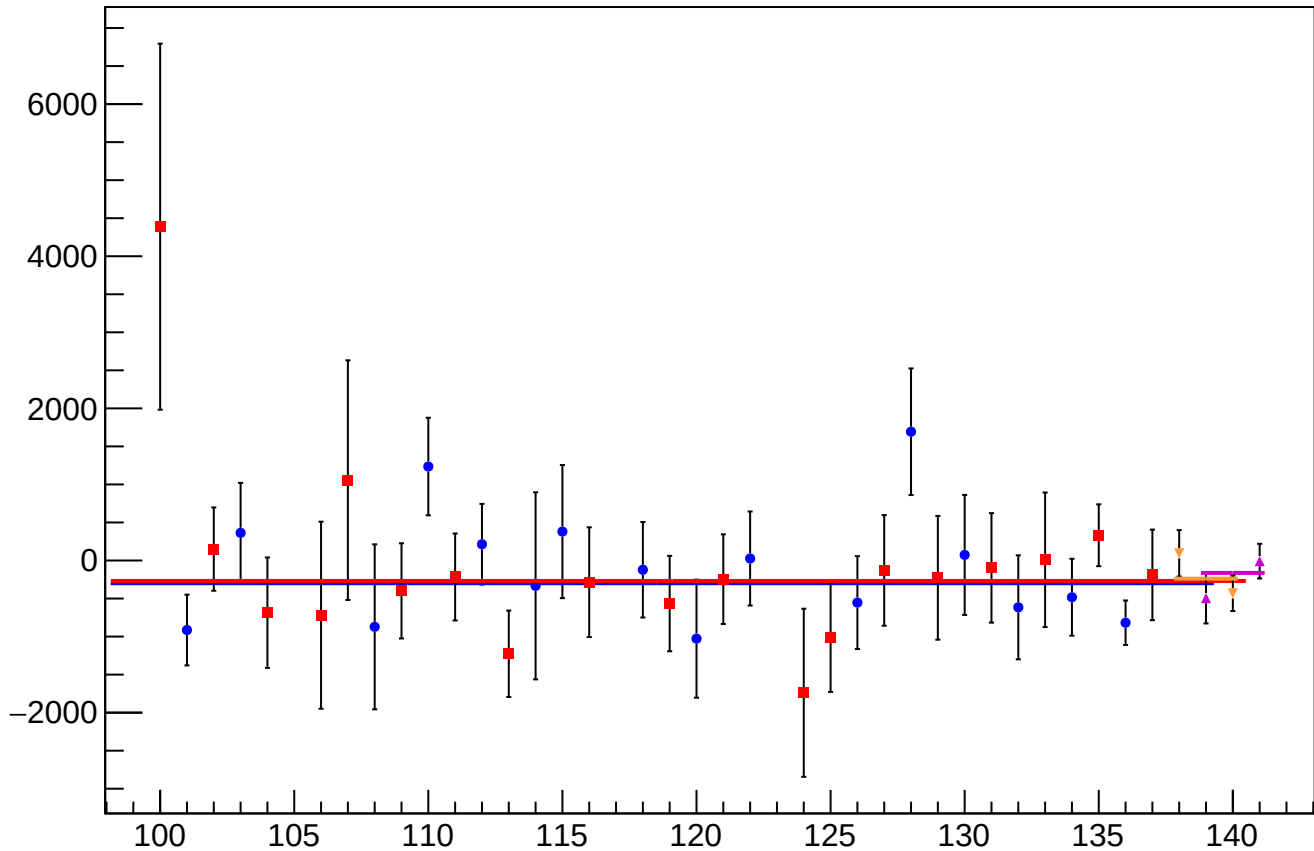
Left In: 288726.247 ± 156.752 χ^2/NDF : 48921.0/1

+ sign 390.900 ± 0.245 χ^2/NDF : 14346289.0/16

All: 389.670 ± 0.167 χ^2/NDF : 28853162.1/30

- sign 388.599 ± 0.229 χ^2/NDF : 14506826.2/19

diff_cav4cX_mean vs Slug



Right In: -298.263 ± 147.367 χ^2/NDF : 21.2/15

Left Out: -238.439 ± 185.191 χ^2/NDF : 1.9/1

Right Out: -268.892 ± 156.582 χ^2/NDF : 13.9/18

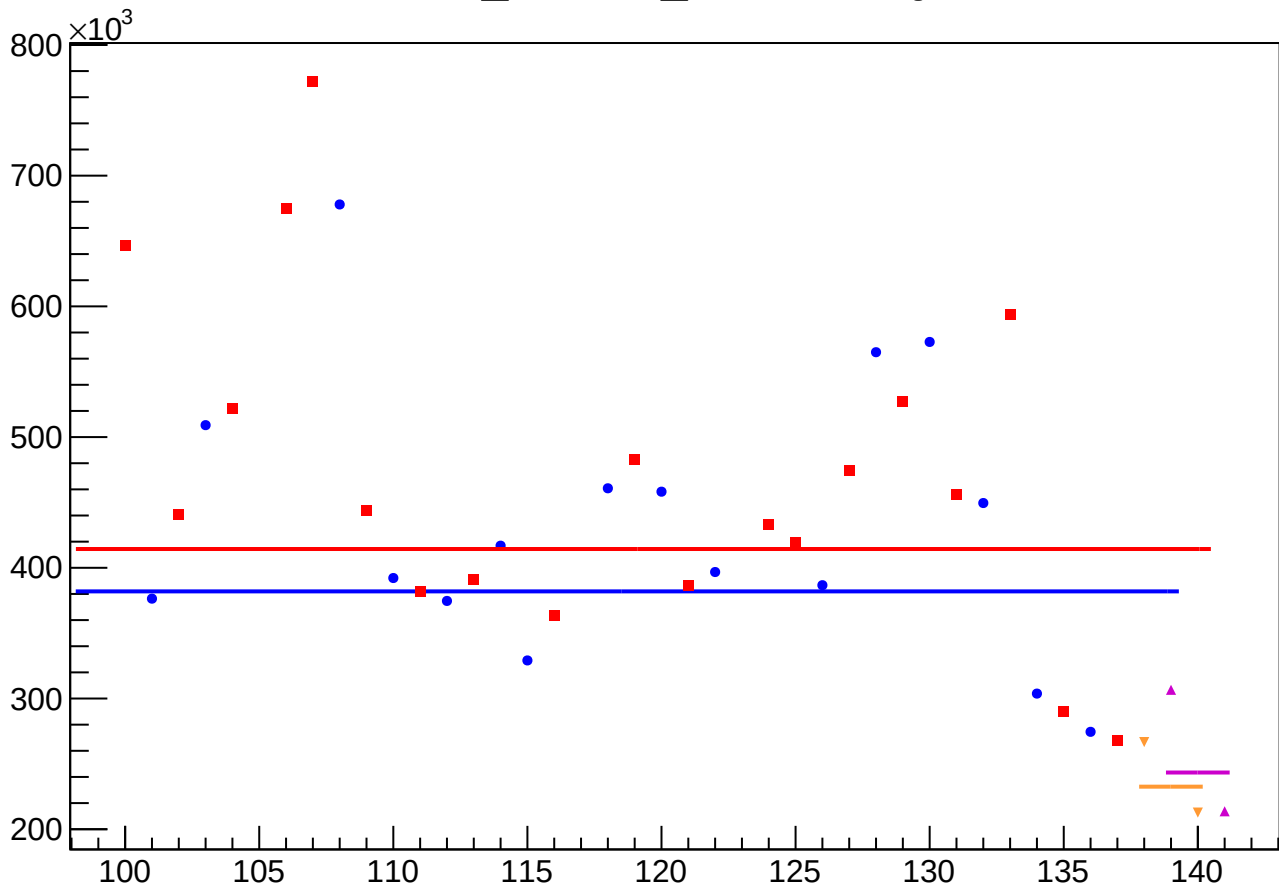
Left In: -163.141 ± 188.370 χ^2/NDF : 1.4/1

+ sign -275.068 ± 115.313 χ^2/NDF : 23.1/17

All: -251.442 ± 83.283 χ^2/NDF : 38.7/38

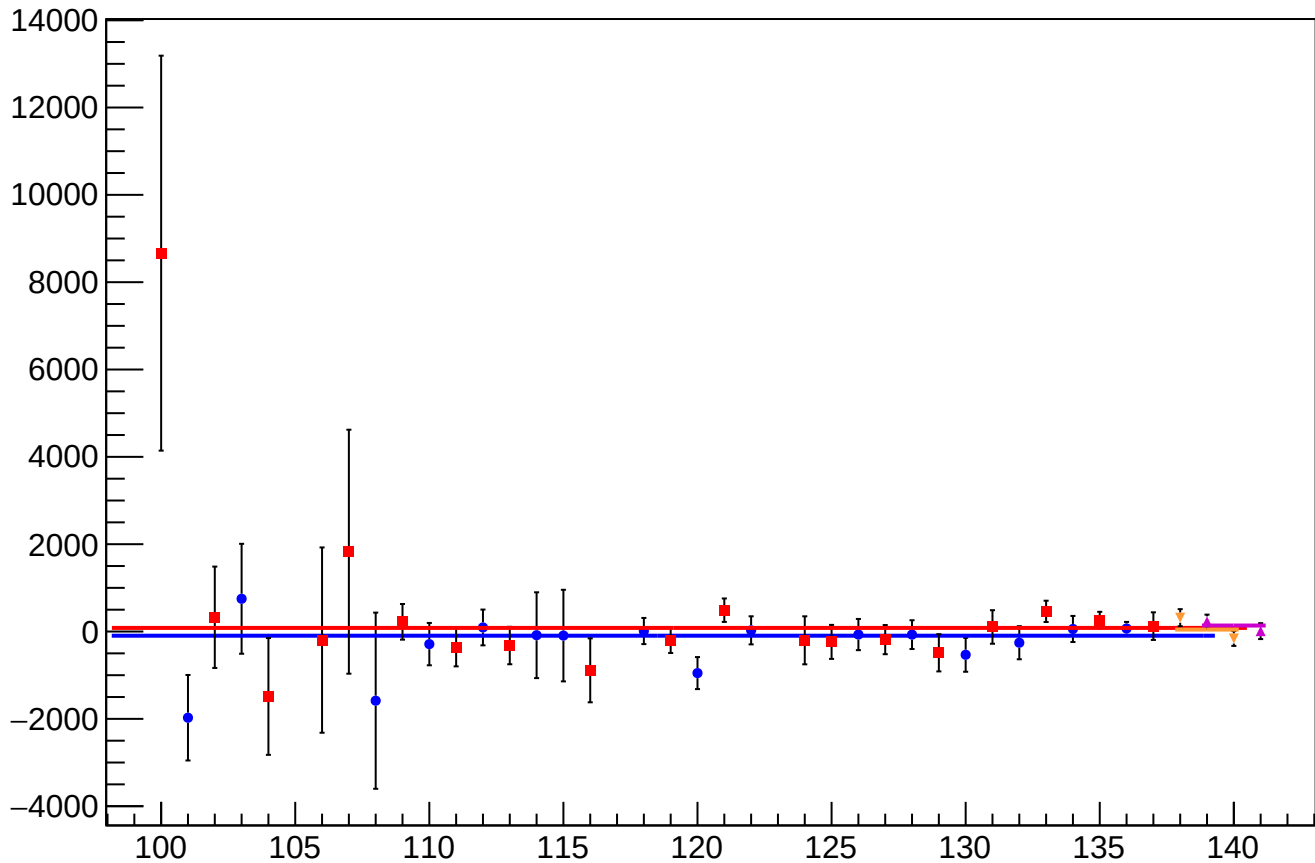
- sign -225.679 ± 120.413 χ^2/NDF : 15.5/20

diff_cav4cX_rms vs Slug



Right In: 381960.471 ± 104.223 $\chi^2/\text{NDF}: 836441.6/15$ $+ \text{sign } 324024.684 \pm 81.547$ $\chi^2/\text{NDF}: 1672703.7/17$
 Left Out: 232565.469 ± 130.950 $\chi^2/\text{NDF}: 39451.9/1$ All: 333812.579 ± 58.898 $\chi^2/\text{NDF}: 3543053.$
 Right Out: 414378.043 ± 110.748 $\chi^2/\text{NDF}: 760082.5/18$ $- \text{sign } 344486.332 \pm 85.158$ $\chi^2/\text{NDF}: 1840233.3/20$
 Left In: 243388.097 ± 133.198 $\chi^2/\text{NDF}: 105785.4/1$

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

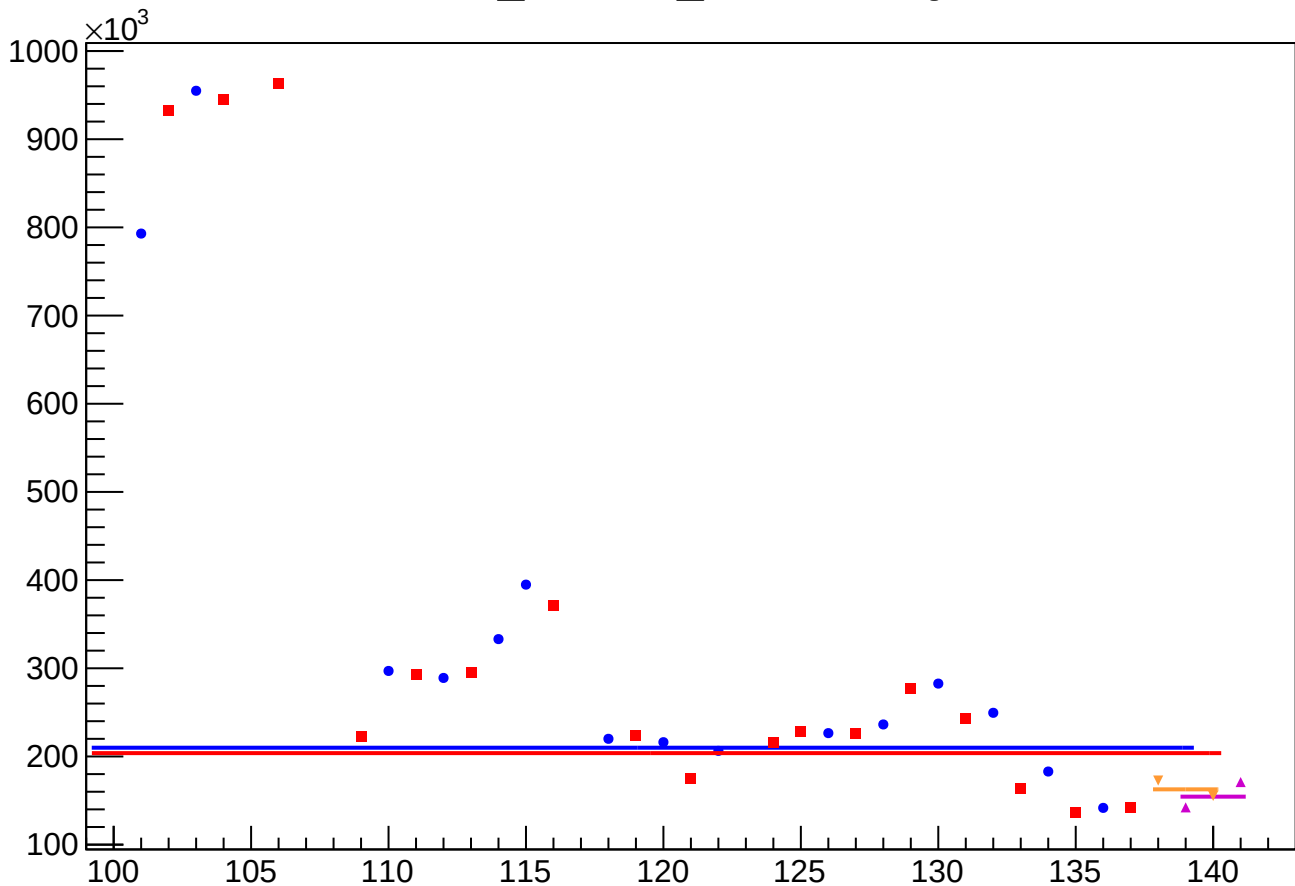
Left In: 137.152 ± 118.292 χ^2/NDF : 0.9/1

+ sign -50.853 ± 72.712 χ^2/NDF : 17.9/17

All: 28.172 ± 50.523 χ^2/NDF : 40.3/38

- sign 101.937 ± 70.250 χ^2/NDF : 20.1/20

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

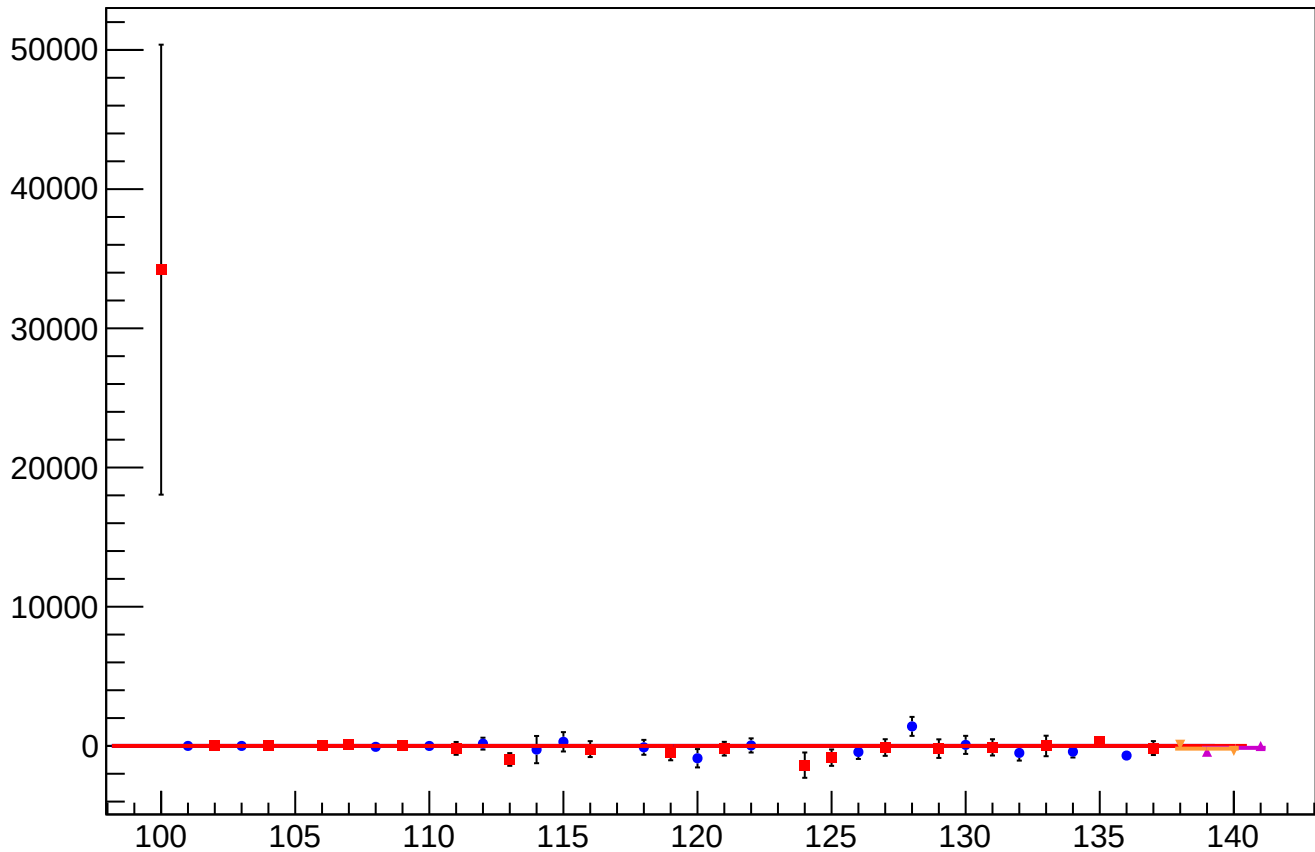
Left In: 154430.987 $\pm$ 83.645 χ^2/NDF : 28737.4/1

+ sign 194717.805 $\pm$ 51.476 χ^2/NDF : 2152724.8/16

All: 190380.219 $\pm$ 35.775 χ^2/NDF : 4490718.1/18

- sign 186327.984 $\pm$ 49.754 χ^2/NDF : 2324260.1/18

diff_cav4dX_mean vs Slug



Right In: -0.035 ± 0.172 χ^2/NDF : 18.1/15

Left Out: -195.587 ± 154.188 χ^2/NDF : 1.9/1

Right Out: -0.355 ± 0.160 χ^2/NDF : 16.5/18

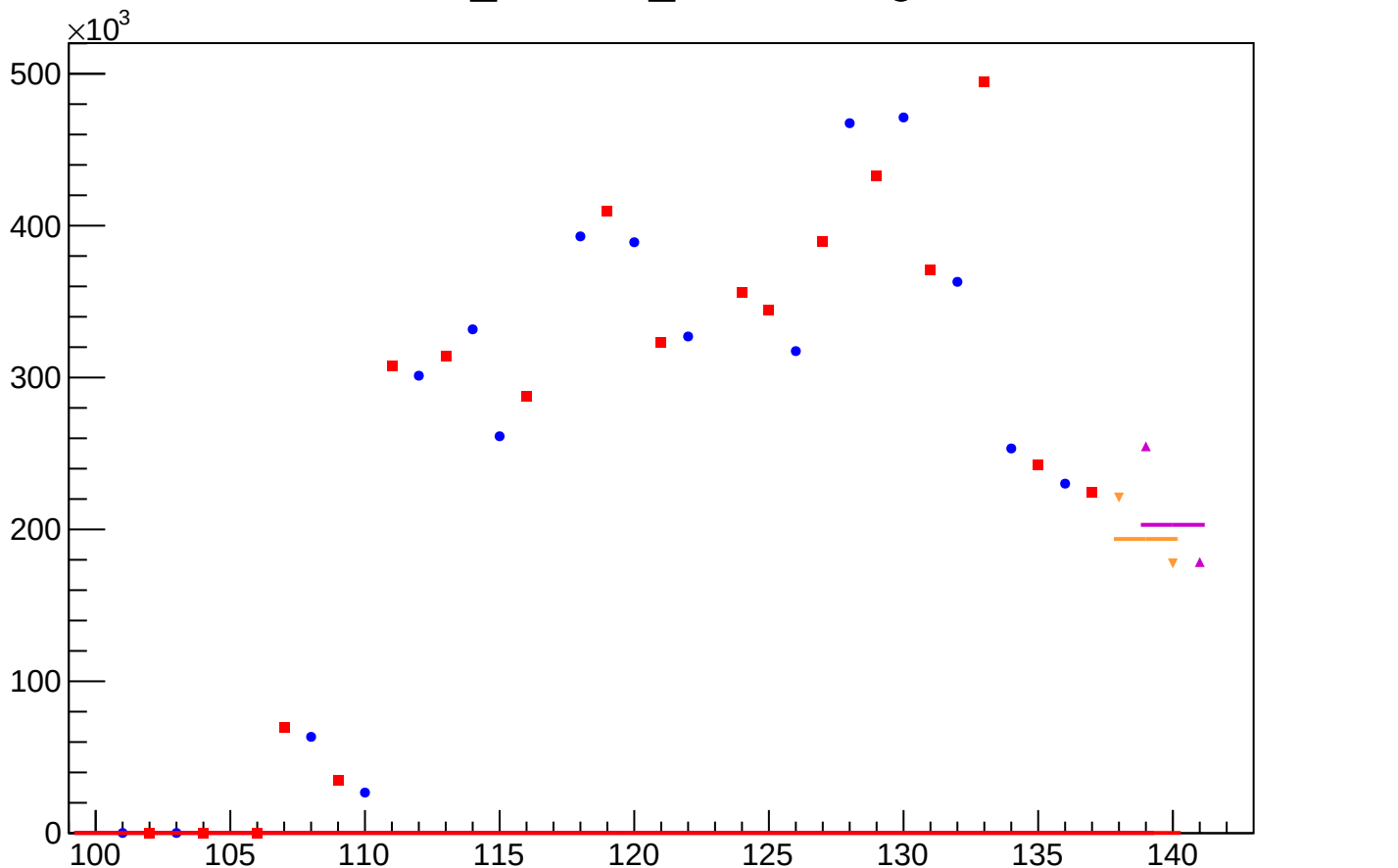
Left In: -139.421 ± 157.053 χ^2/NDF : 1.5/1

+ sign -0.035 ± 0.172 χ^2/NDF : 21.7/17

All: -0.207 ± 0.117 χ^2/NDF : 42.3/38

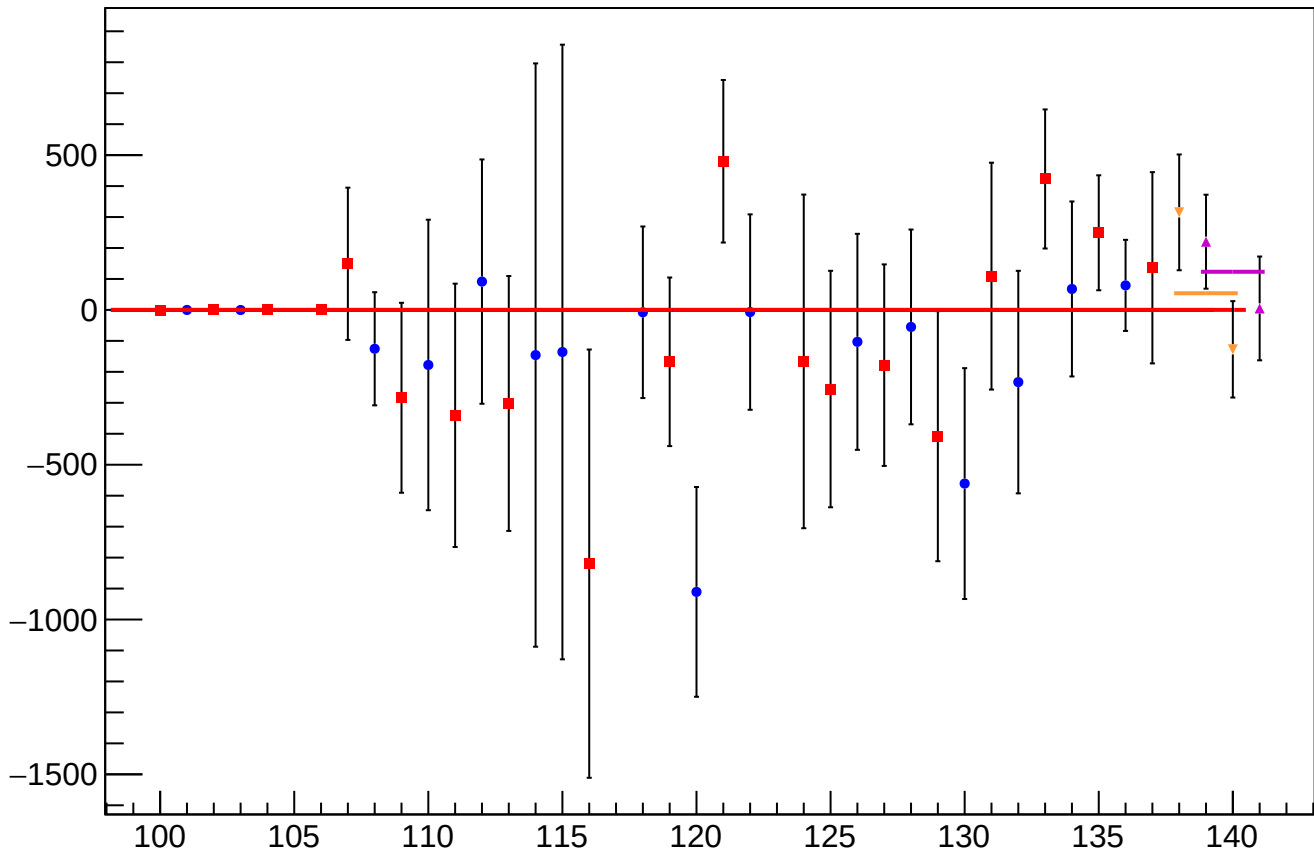
- sign -0.355 ± 0.160 χ^2/NDF : 18.8/20

diff_cav4dX_rms vs Slug



Right In: 149.092 ± 0.122 χ^2/NDF : 11301940.9/15
 Left Out: 193694.701 ± 109.027 χ^2/NDF : 36963.4/1
 Right Out: 149.379 ± 0.113 χ^2/NDF : 11288711.4/17
 Left In: 203020.693 ± 111.053 χ^2/NDF : 102757.8/1
 + sign 149.334 ± 0.122 χ^2/NDF : 14490237.8/17
 All: 149.471 ± 0.083 χ^2/NDF : 29218875.7/37
 - sign 149.590 ± 0.113 χ^2/NDF : 14728635.6/19

diff_cav4dY_mean vs Slug



Right In: -0.068 ± 0.177 χ^2/NDF : 11.2/15

Left Out: 53.875 ± 119.645 χ^2/NDF : 3.3/1

Right Out: 0.126 ± 0.166 χ^2/NDF : 15.2/18

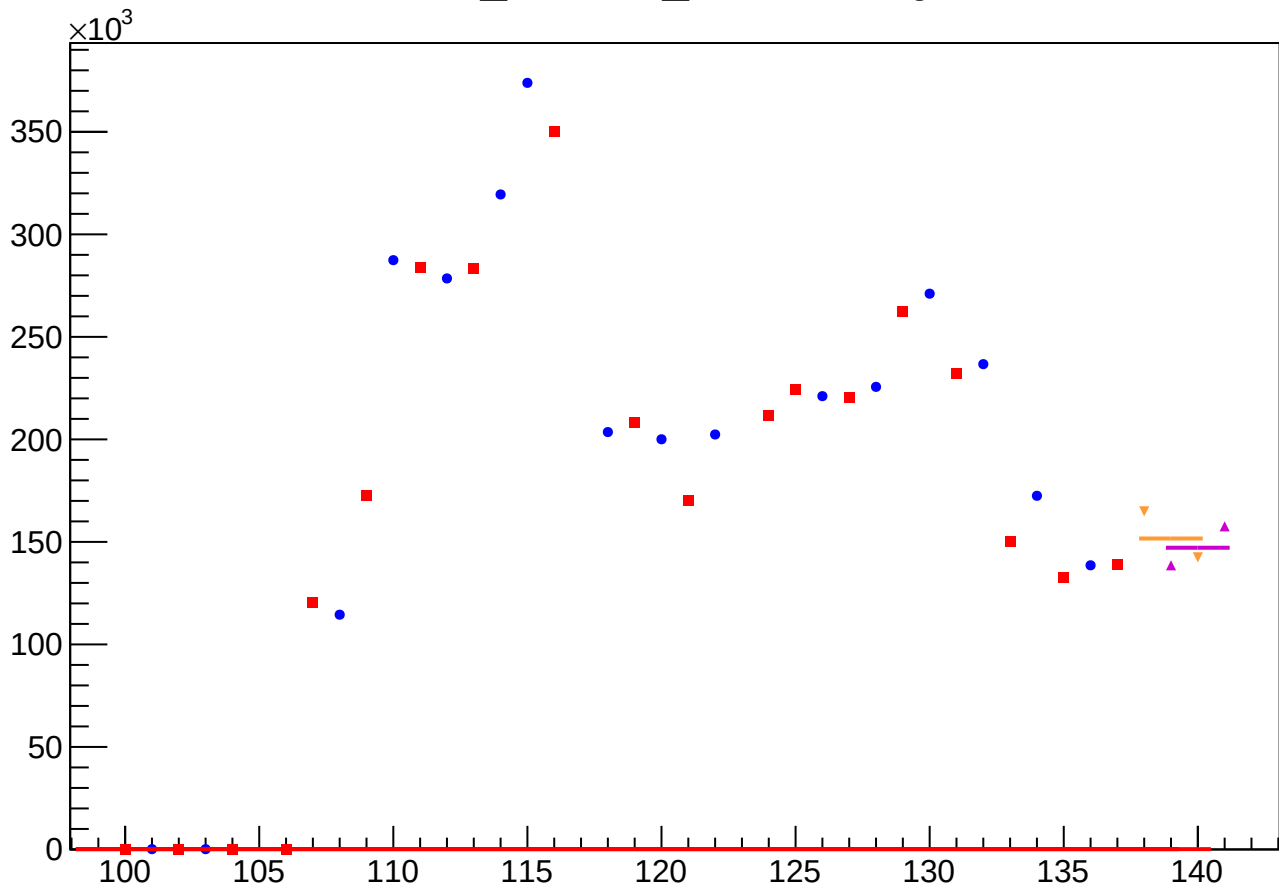
Left In: 123.249 ± 112.507 χ^2/NDF : 0.9/1

+ sign -0.068 ± 0.177 χ^2/NDF : 14.7/17

All: 0.035 ± 0.121 χ^2/NDF : 32.7/38

- sign 0.126 ± 0.166 χ^2/NDF : 17.3/20

diff_cav4dY_rms vs Slug



Right In: 153.460 ± 0.125 $\chi^2/\text{NDF}: 11904914.7/15$

Left Out: 151661.980 ± 84.602 $\chi^2/\text{NDF}: 16998.6/1$

Right Out: 156.158 ± 0.118 $\chi^2/\text{NDF}: 11330885.6/18$

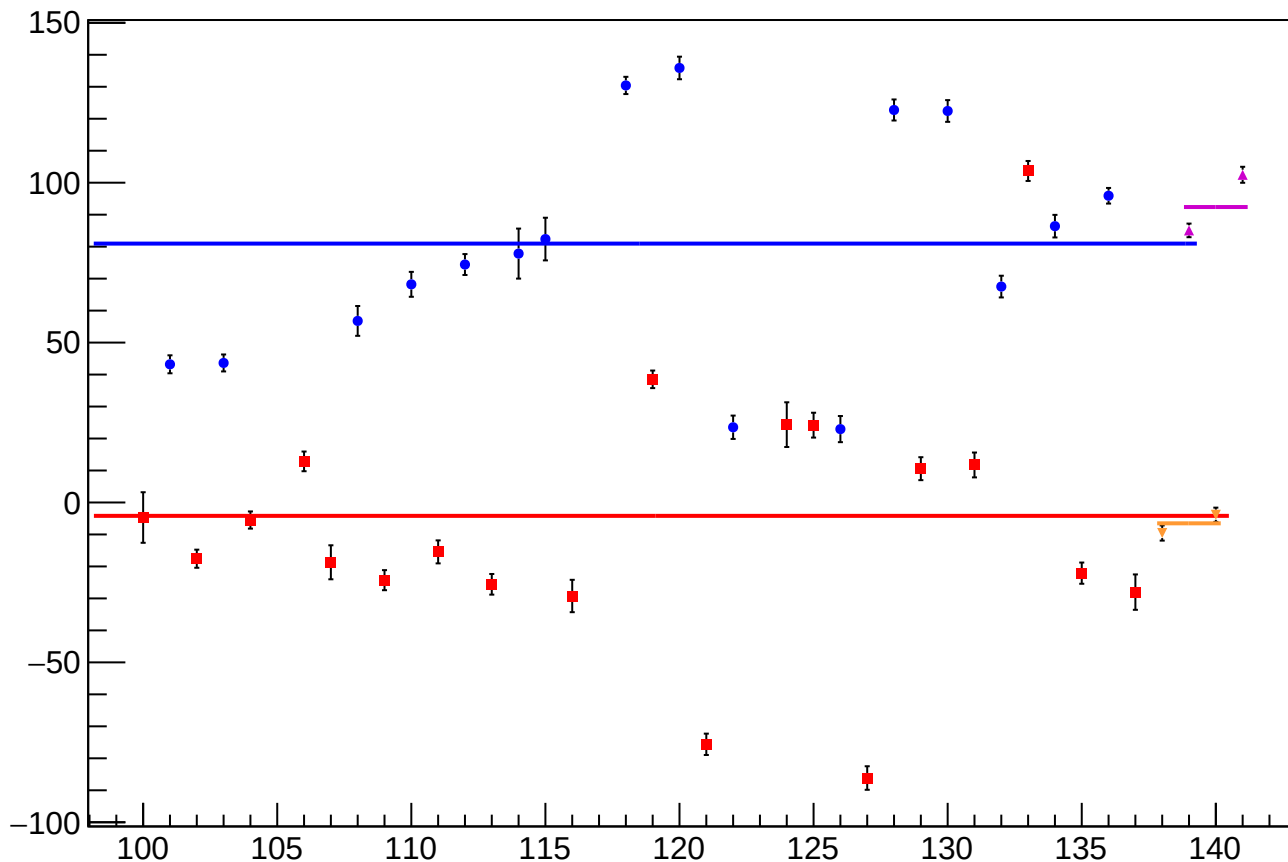
Left In: 147153.862 ± 79.555 $\chi^2/\text{NDF}: 14126.6/1$

+ sign 153.792 ± 0.125 $\chi^2/\text{NDF}: 15129036.3/17$

All: 155.220 ± 0.086 $\chi^2/\text{NDF}: 29888505.8/30$

- sign 156.479 ± 0.118 $\chi^2/\text{NDF}: 14759225.3/20$

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

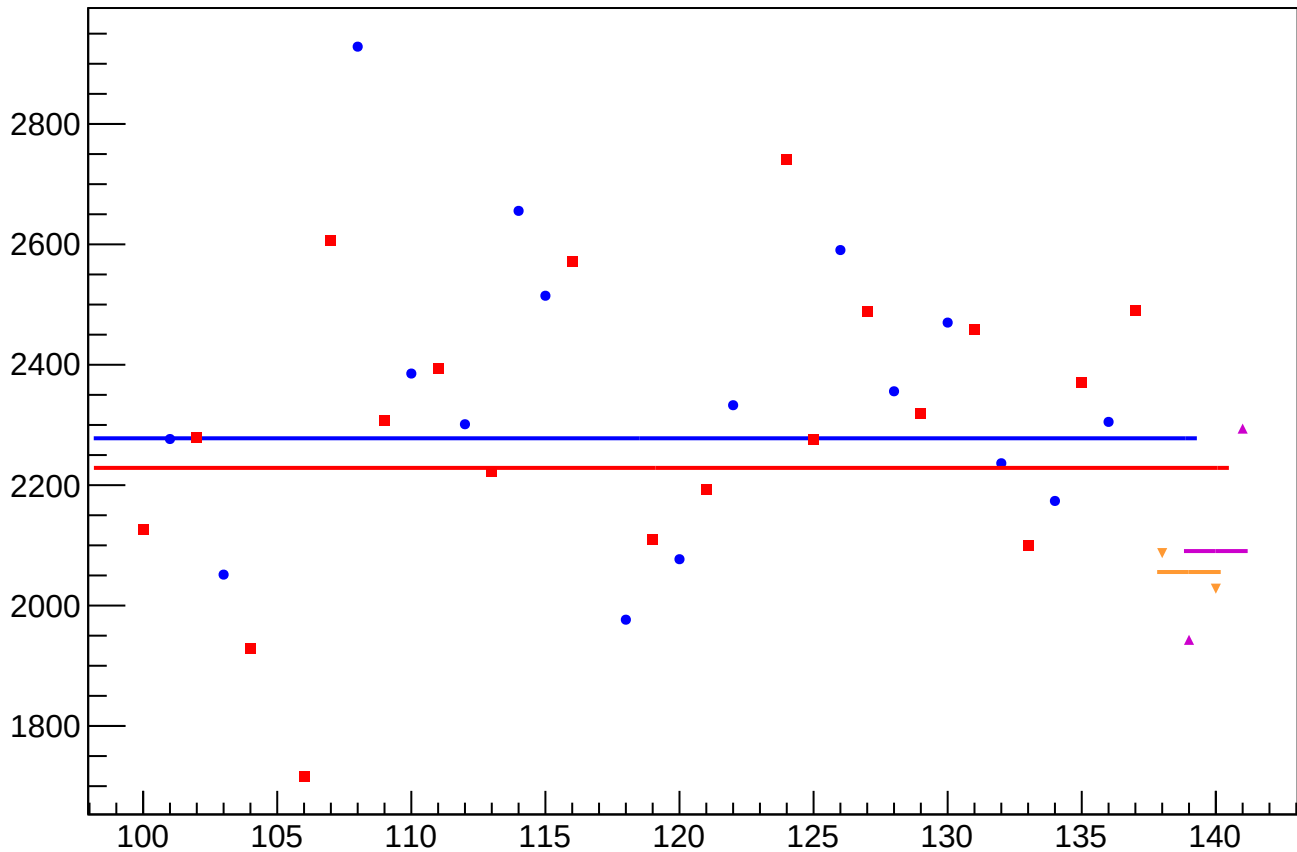
Left In: 92.391+/-1.621 χ^2/NDF : 28.0/1

+ sign 62.106+/-0.754 χ^2/NDF : 4091.3/17

All: 38.101+/-0.525 χ^2/NDF : 11632.3/38

- sign 15.499+/-0.732 χ^2/NDF : 5573.8/20

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

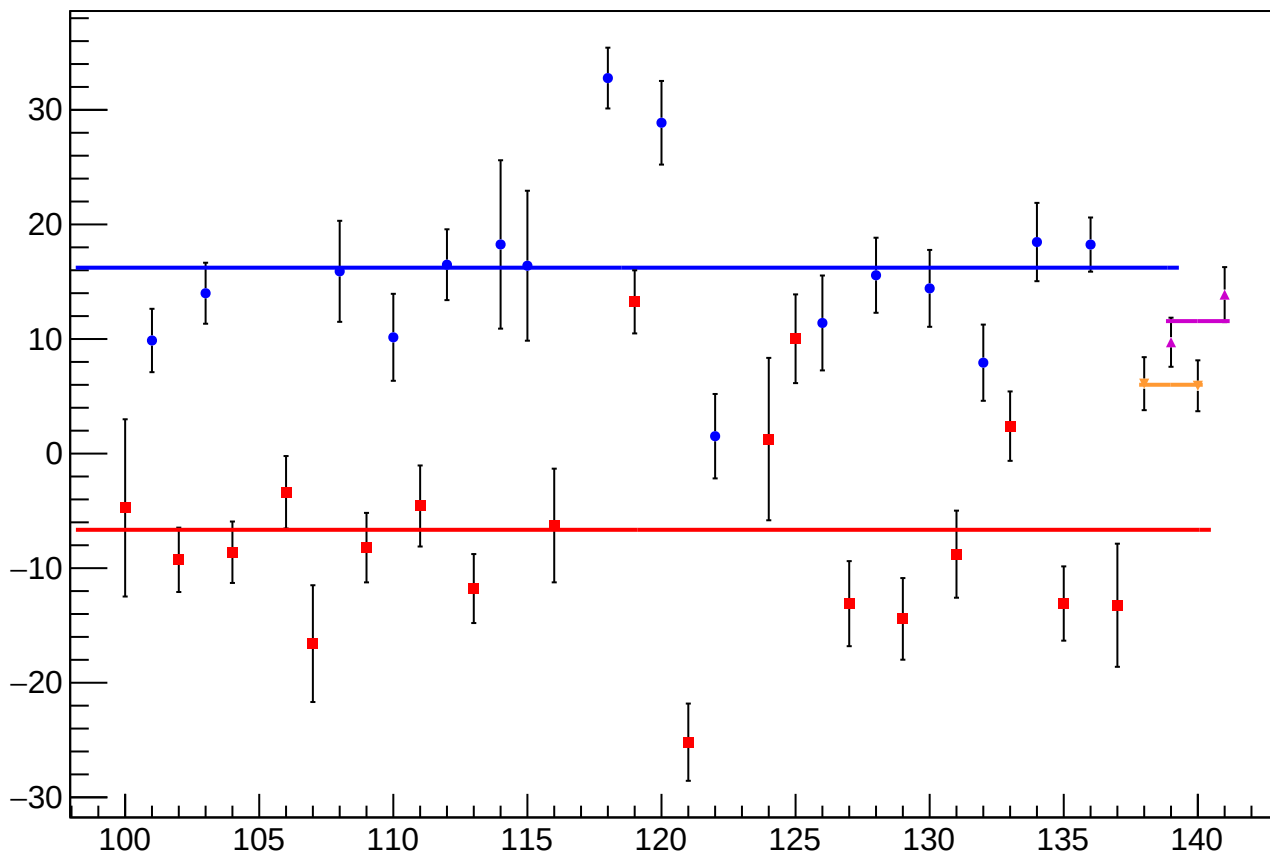
Left In: 2090.524 $\pm$ 1.146 χ^2 /NDF: 22830.3/1

+ sign 2230.000 $\pm$ 0.533 χ^2 /NDF: 145764.4/17

All: 2214.822 $\pm$ 0.371 χ^2 /NDF: 332872.0/38

- sign 2200.531 $\pm$ 0.517 χ^2 /NDF: 185534.8/20

diff_bpm0i01Y_mean vs Slug



Right In: 16.226 ± 0.838 χ^2/NDF : 84.5/15

Left Out: 6.007 ± 1.602 χ^2/NDF : 0.0/1

Right Out: -6.652 ± 0.809 χ^2/NDF : 134.6/18

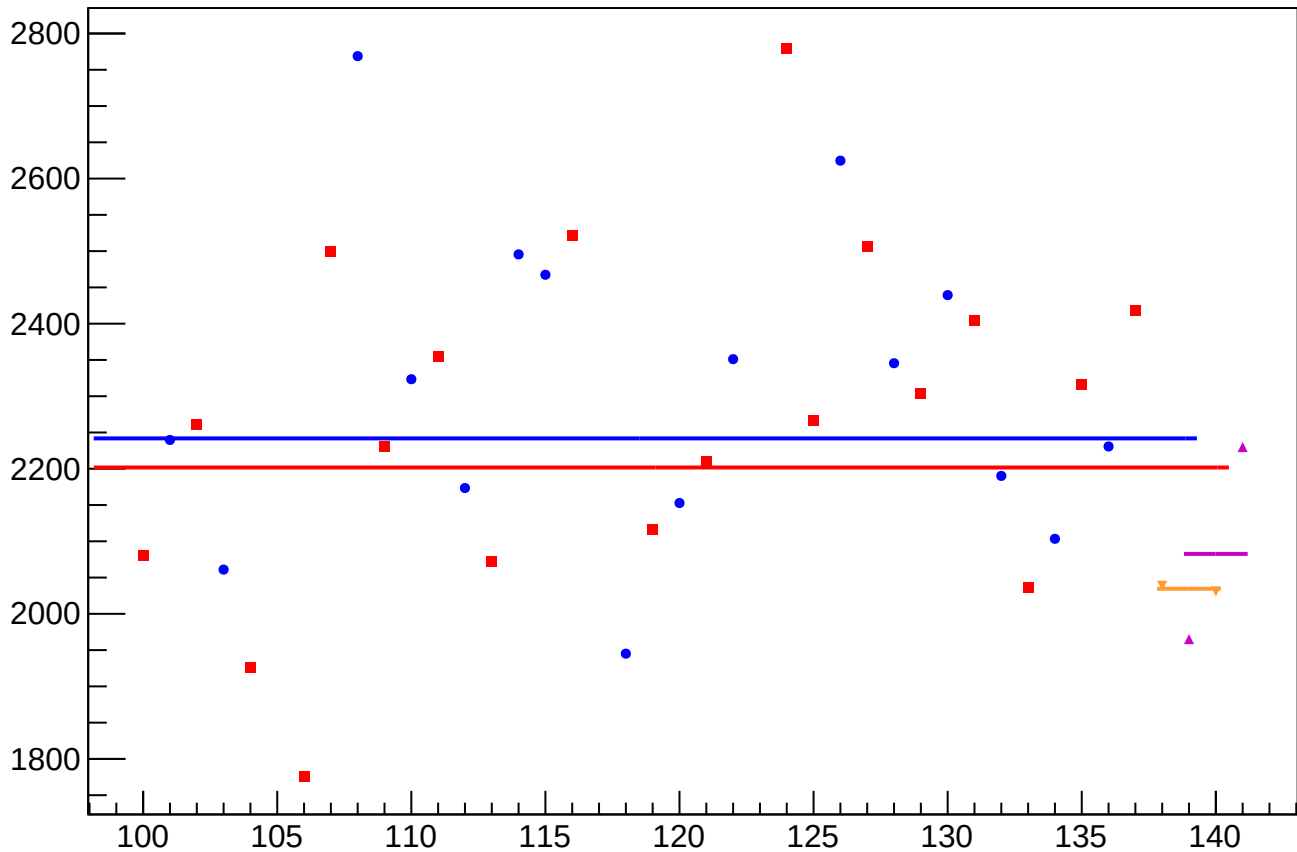
Left In: 11.563 ± 1.598 χ^2/NDF : 1.7/1

+ sign 14.032 ± 0.742 χ^2/NDF : 116.5/17

All: 5.314 ± 0.518 χ^2/NDF : 624.6/38

- sign -2.935 ± 0.722 χ^2/NDF : 239.6/20

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF : 102260.7/15

Left Out: 2034.558+/-1.133 χ^2/NDF : 12.1/1

+ sign 2197.359+/-0.525 χ^2/NDF : 128566.1/17

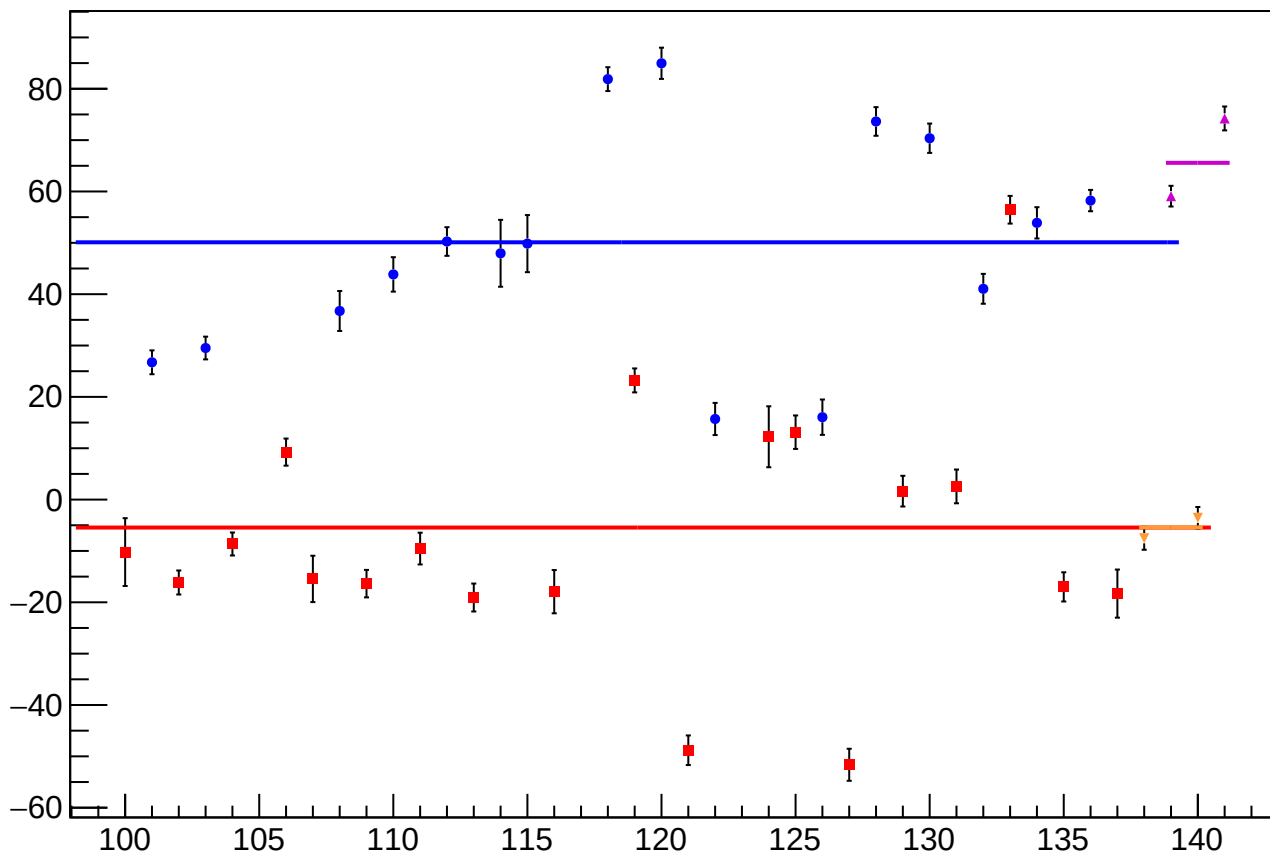
Right Out: 2201.739+/-0.572 χ^2/NDF : 129882.5/18

All: 2187.119+/-0.366 χ^2/NDF : 281577.8/38

- sign 2177.431+/-0.511 χ^2/NDF : 152270.9/20

Left In: 2082.612+/-1.130 χ^2/NDF : 13546.0/1

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

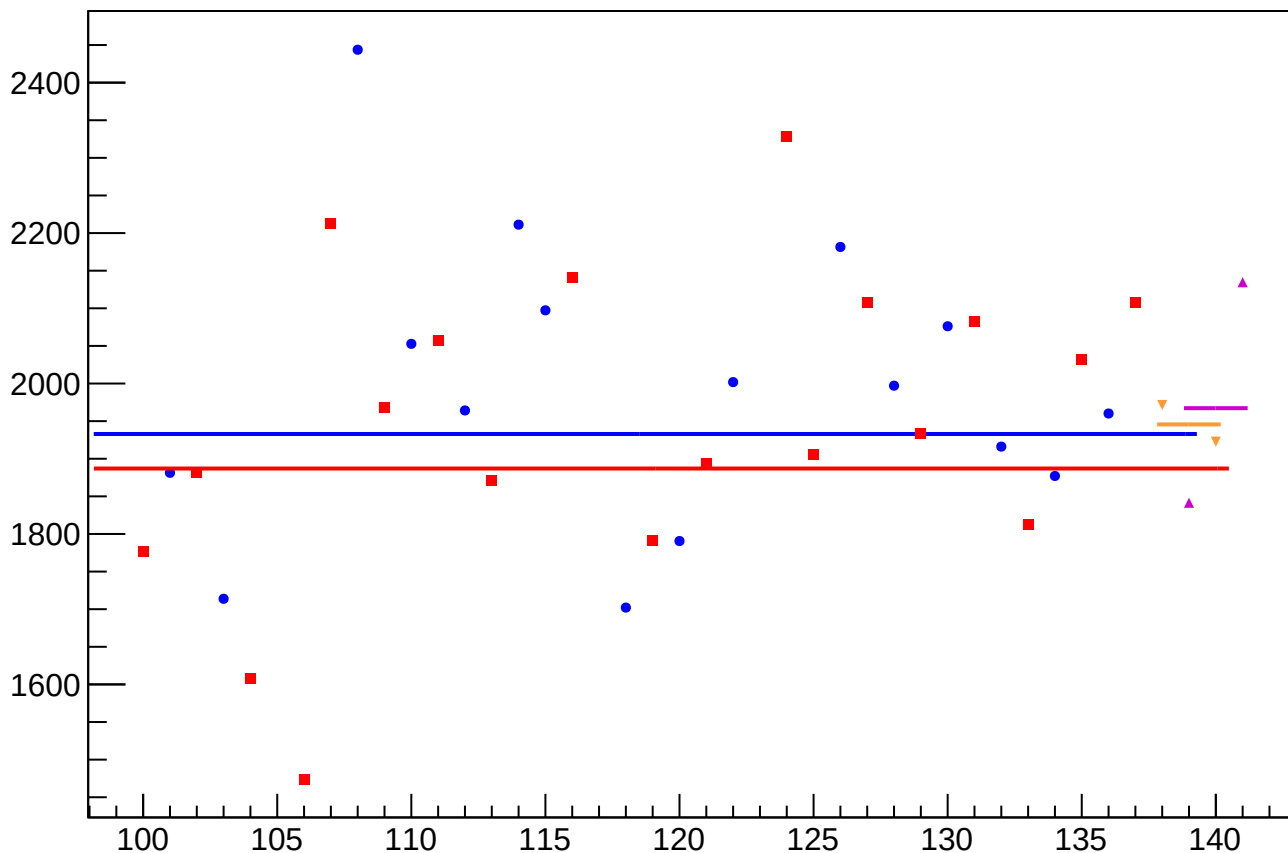
Left In: 65.580 $\pm$ 1.523 χ^2 /NDF: 24.2/1

+ sign 40.056 $\pm$ 0.654 χ^2 /NDF: 1959.9/17

All: 22.853 $\pm$ 0.454 χ^2 /NDF: 6437.1/38

- sign 6.780 $\pm$ 0.632 χ^2 /NDF: 3136.9/20

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF : 105967.6/15

Left Out: 1945.648+/-1.086 χ^2/NDF : 502.2/1

Right Out: 1887.006+/-0.491 χ^2/NDF : 149746.6/18

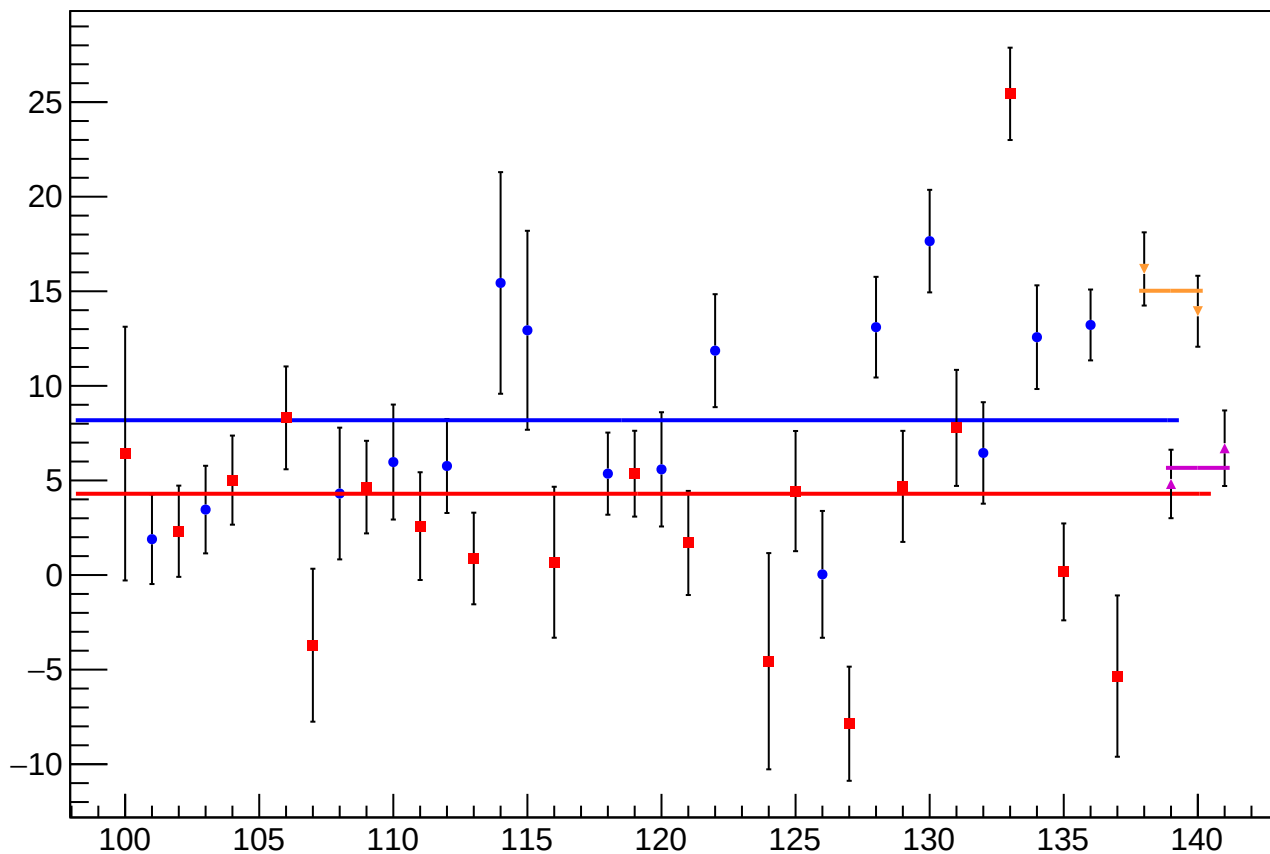
Left In: 1967.237+/-1.077 χ^2/NDF : 18156.8/1

+ sign 1935.210+/-0.462 χ^2/NDF : 106582.5/17

All: 1917.428+/-0.321 χ^2/NDF : 281946.7/38

- sign 1900.814+/-0.447 χ^2/NDF : 172500.2/20

diff_bpm0i01aY_mean vs Slug



Right In: 8.183 ± 0.684 χ^2/NDF : 52.0/15

Left Out: 15.027 ± 1.347 χ^2/NDF : 0.7/1

Right Out: 4.297 ± 0.665 χ^2/NDF : 114.0/18

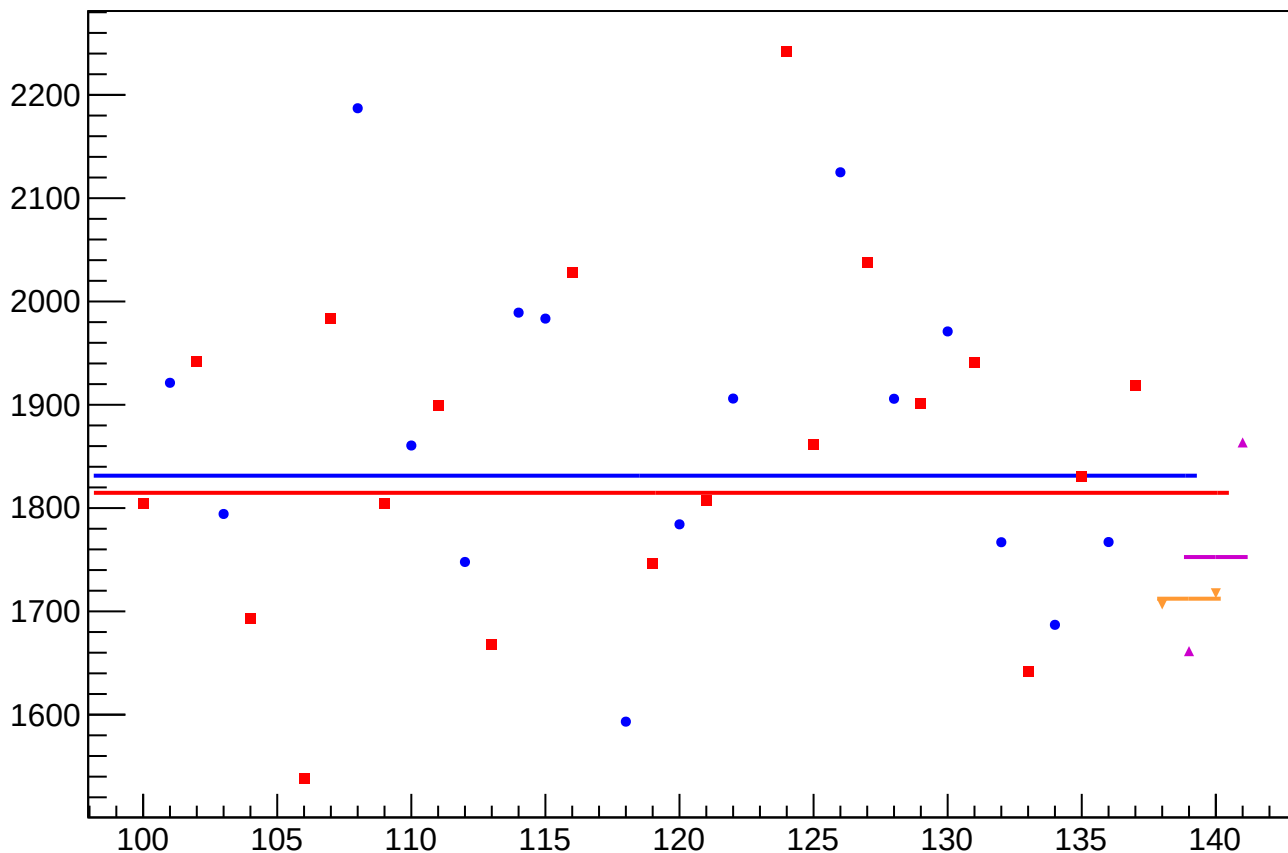
Left In: 5.666 ± 1.341 χ^2/NDF : 0.5/1

+ sign 9.585 ± 0.610 χ^2/NDF : 73.2/17

All: 7.020 ± 0.426 χ^2/NDF : 223.1/38

- sign 4.567 ± 0.596 χ^2/NDF : 115.3/20

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF : 86919.2/15

Left Out: 1712.274+/-0.952 χ^2/NDF : 32.0/1

Right Out: 1814.774+/-0.471 χ^2/NDF : 90738.7/18

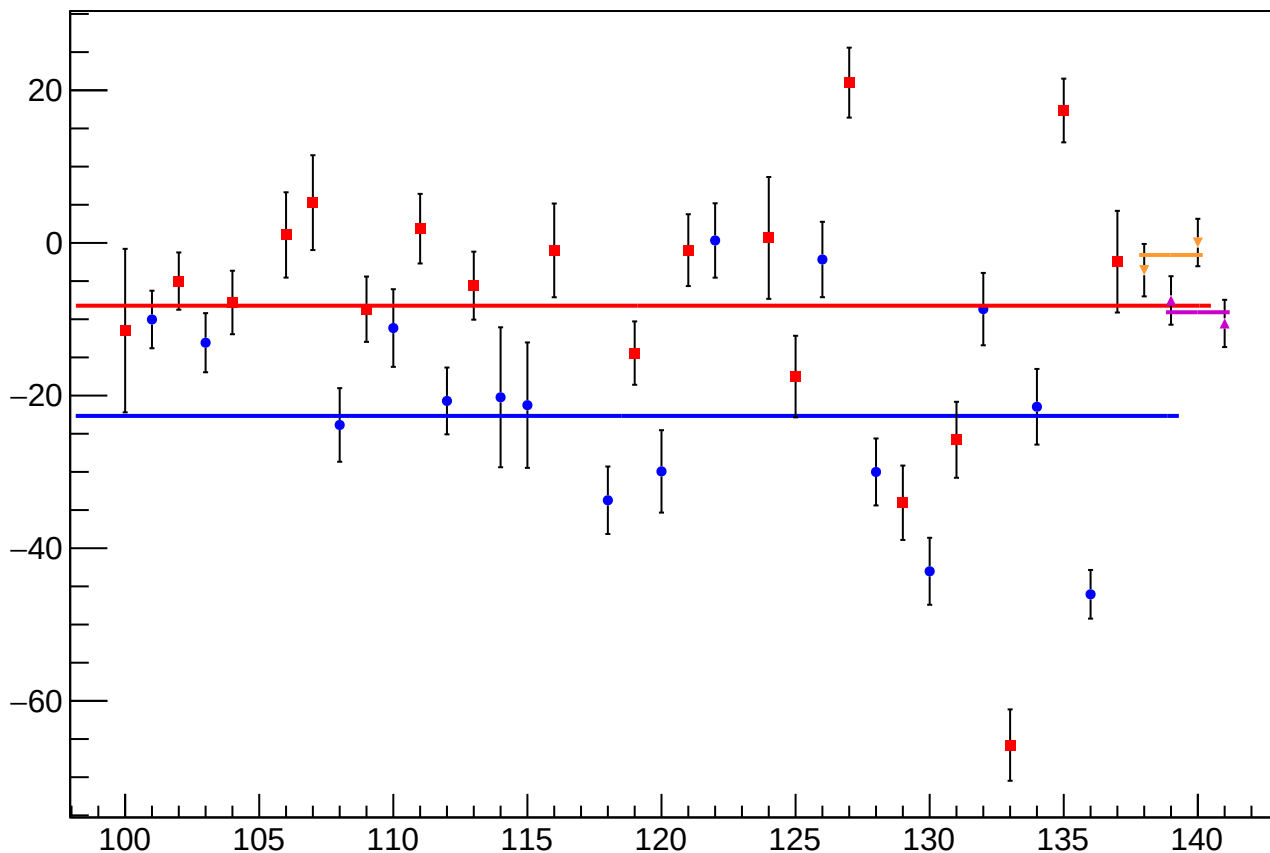
Left In: 1752.605+/-0.948 χ^2/NDF : 11243.2/1

+ sign 1806.968+/-0.431 χ^2/NDF : 99384.0/17

All: 1804.677+/-0.301 χ^2/NDF : 204870.8/38

- sign 1802.487+/-0.421 χ^2/NDF : 105431.6/20

diff_bpm0l01X_mean vs Slug



Right In: -22.663 $\pm$ 1.152 χ^2 /NDF: 157.2/15

Left Out: -1.576 $\pm$ 2.304 χ^2 /NDF: 0.6/1

Right Out: -8.224 $\pm$ 1.129 χ^2 /NDF: 294.8/18

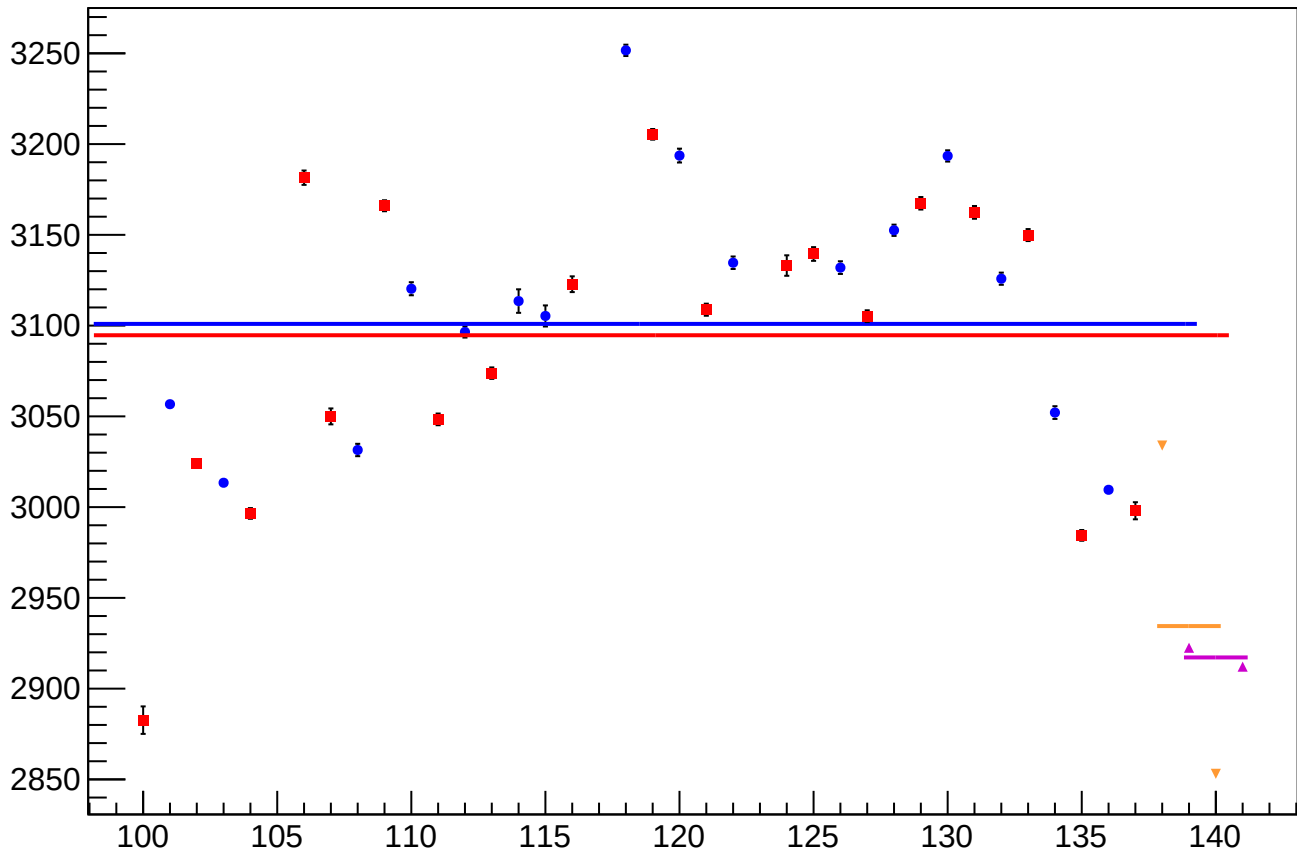
Left In: -9.083 $\pm$ 2.217 χ^2 /NDF: 0.5/1

+ sign -18.446 $\pm$ 1.030 χ^2 /NDF: 224.8/17

All: -13.303 $\pm$ 0.720 χ^2 /NDF: 568.9/38

- sign -8.401 $\pm$ 1.006 χ^2 /NDF: 295.4/20

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF : 7893.7/15

Left Out: 2934.468+/-1.629 χ^2/NDF : 3049.1/1

Right Out: 3094.688+/-0.798 χ^2/NDF : 8584.4/18

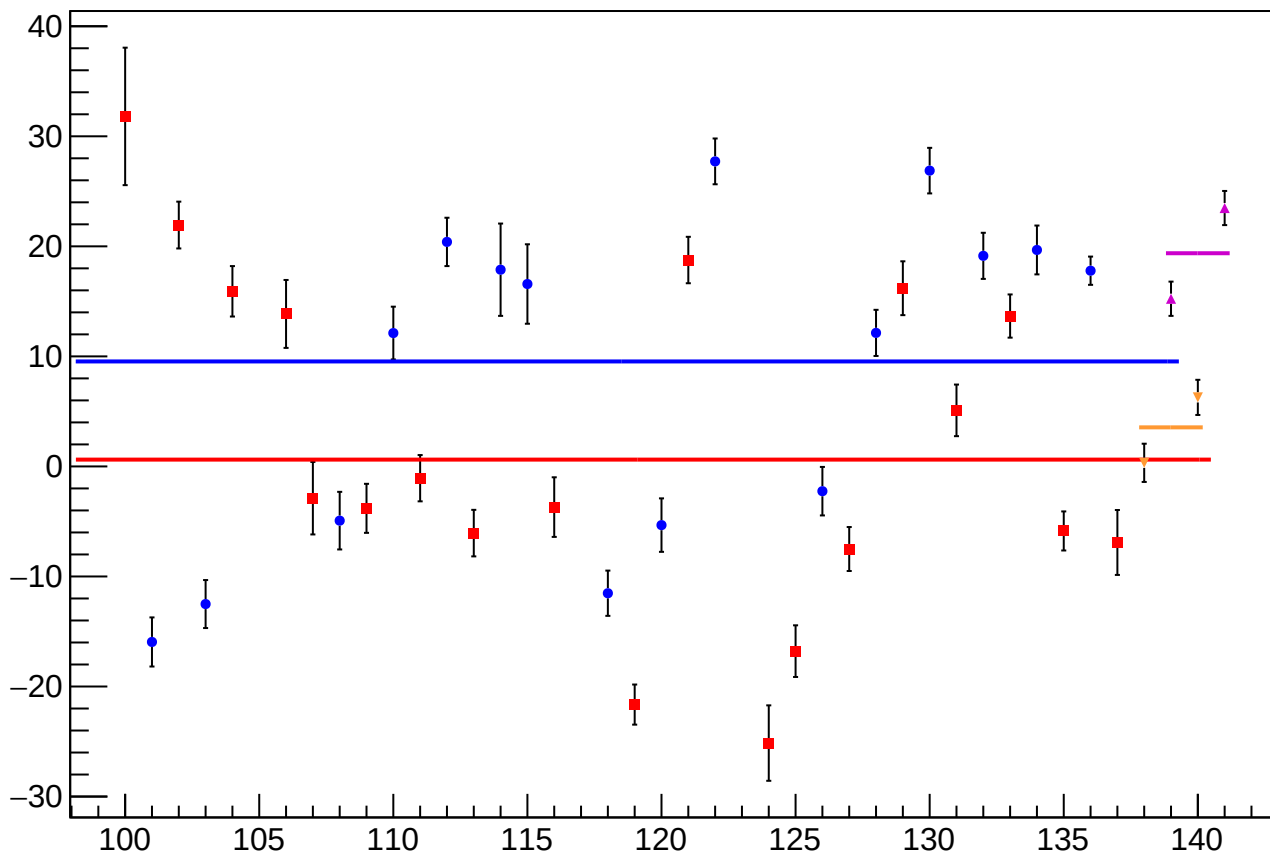
Left In: 2917.187+/-1.568 χ^2/NDF : 11.0/1

+ sign 3067.655+/-0.729 χ^2/NDF : 19294.3/17

All: 3062.792+/-0.509 χ^2/NDF : 38155.2/38

- sign 3058.155+/-0.711 χ^2/NDF : 18773.8/20

diff_bpm0l01Y_mean vs Slug



Right In: 9.540 ± 0.541 χ^2/NDF : 698.7/15

Left Out: 3.550 ± 1.176 χ^2/NDF : 6.3/1

Right Out: 0.620 ± 0.534 χ^2/NDF : 665.8/18

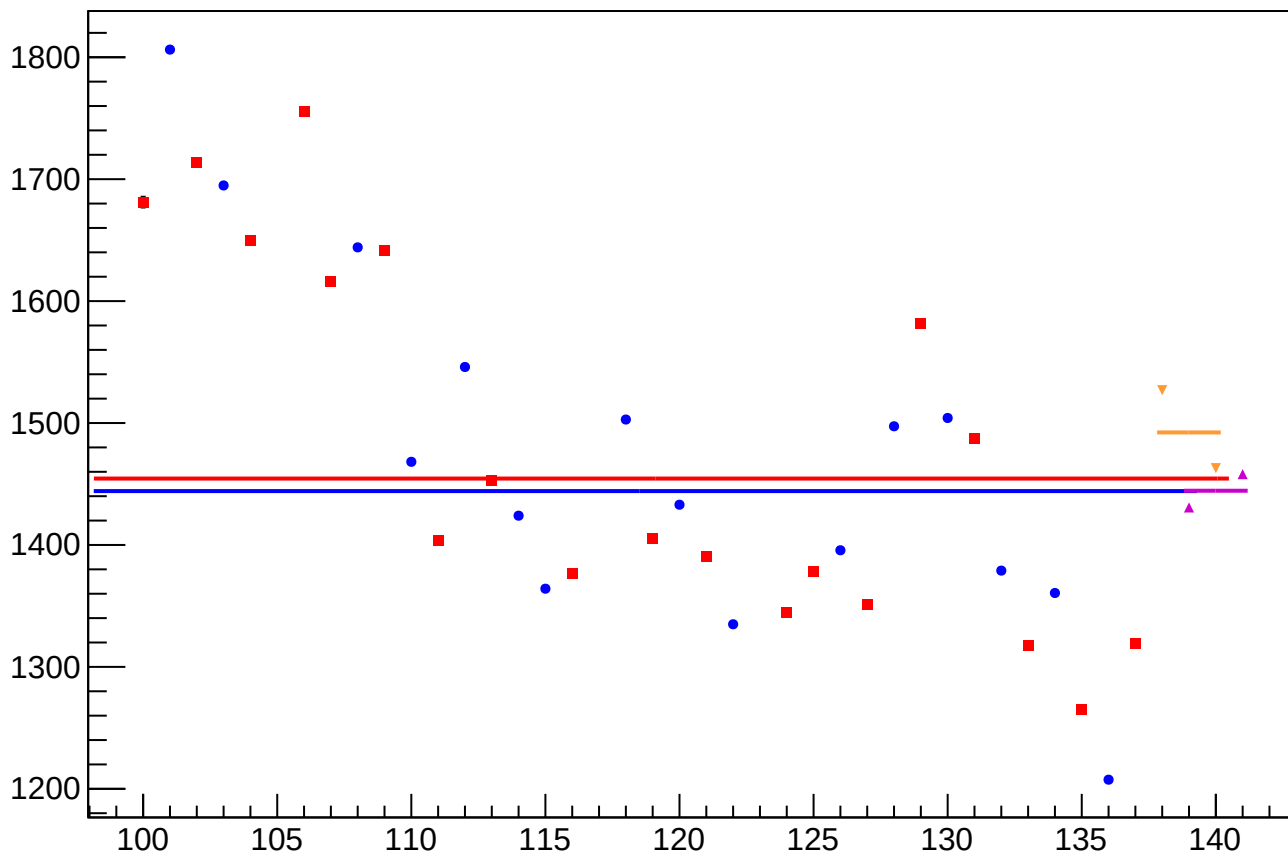
Left In: 19.373 ± 1.099 χ^2/NDF : 14.1/1

+ sign 8.493 ± 0.492 χ^2/NDF : 726.5/17

All: 6.298 ± 0.344 χ^2/NDF : 1680.9/38

- sign 4.203 ± 0.480 χ^2/NDF : 915.5/20

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF : 180147.9/15

Left Out: 1492.284+/-0.832 χ^2/NDF : 1466.8/1

Right Out: 1454.470+/-0.378 χ^2/NDF : 142772.9/18

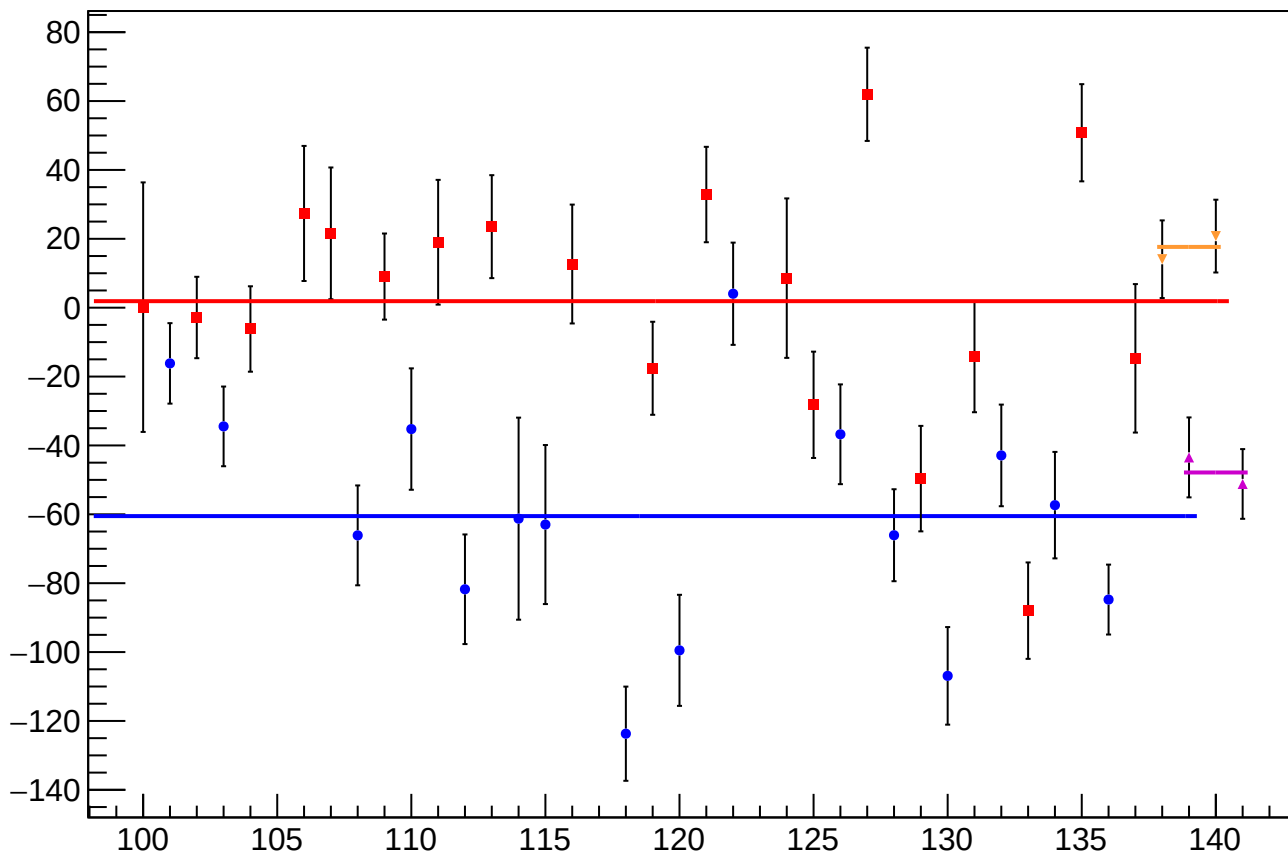
Left In: 1444.473+/-0.777 χ^2/NDF : 309.1/1

+ sign 1452.597+/-0.348 χ^2/NDF : 184375.5/17

All: 1452.578+/-0.243 χ^2/NDF : 327591.4/38

- sign 1452.560+/-0.340 χ^2/NDF : 143216.0/20

diff_bpm0l02X_mean vs Slug



Right In: -60.516 $\pm$ 3.596 χ^2 /NDF: 90.3/15

Left Out: 17.646 $\pm$ 7.710 χ^2 /NDF: 0.2/1

Right Out: 1.894 $\pm$ 3.543 χ^2 /NDF: 103.8/18

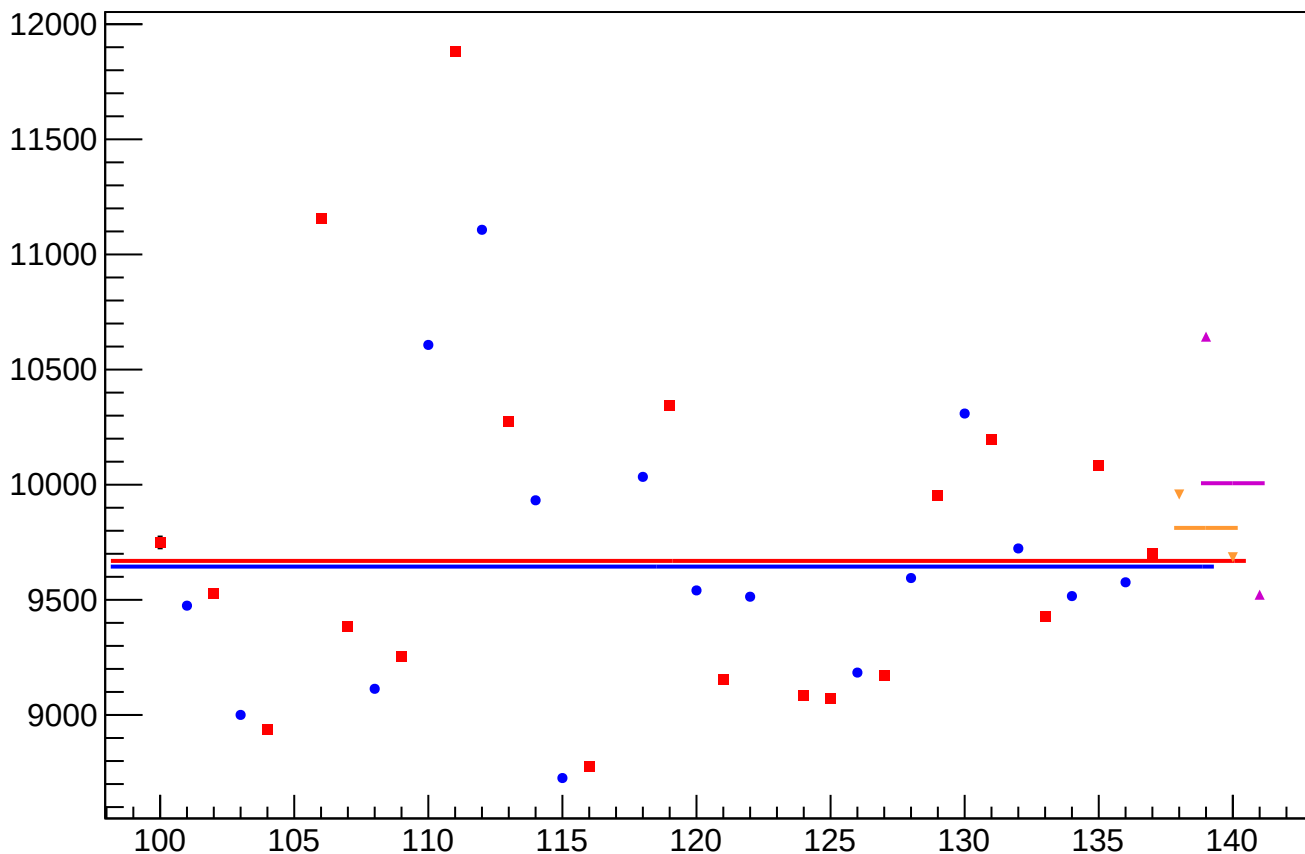
Left In: -47.853 $\pm$ 7.628 χ^2 /NDF: 0.3/1

+ sign -46.549 $\pm$ 3.259 χ^2 /NDF: 174.9/17

All: -26.460 $\pm$ 2.288 χ^2 /NDF: 388.9/38

- sign -6.932 $\pm$ 3.213 χ^2 /NDF: 139.1/20

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF : 44101.6/15

Left Out: 9812.453+/-5.452 χ^2/NDF : 622.5/1

Right Out: 9669.136+/-2.505 χ^2/NDF : 79878.1/18

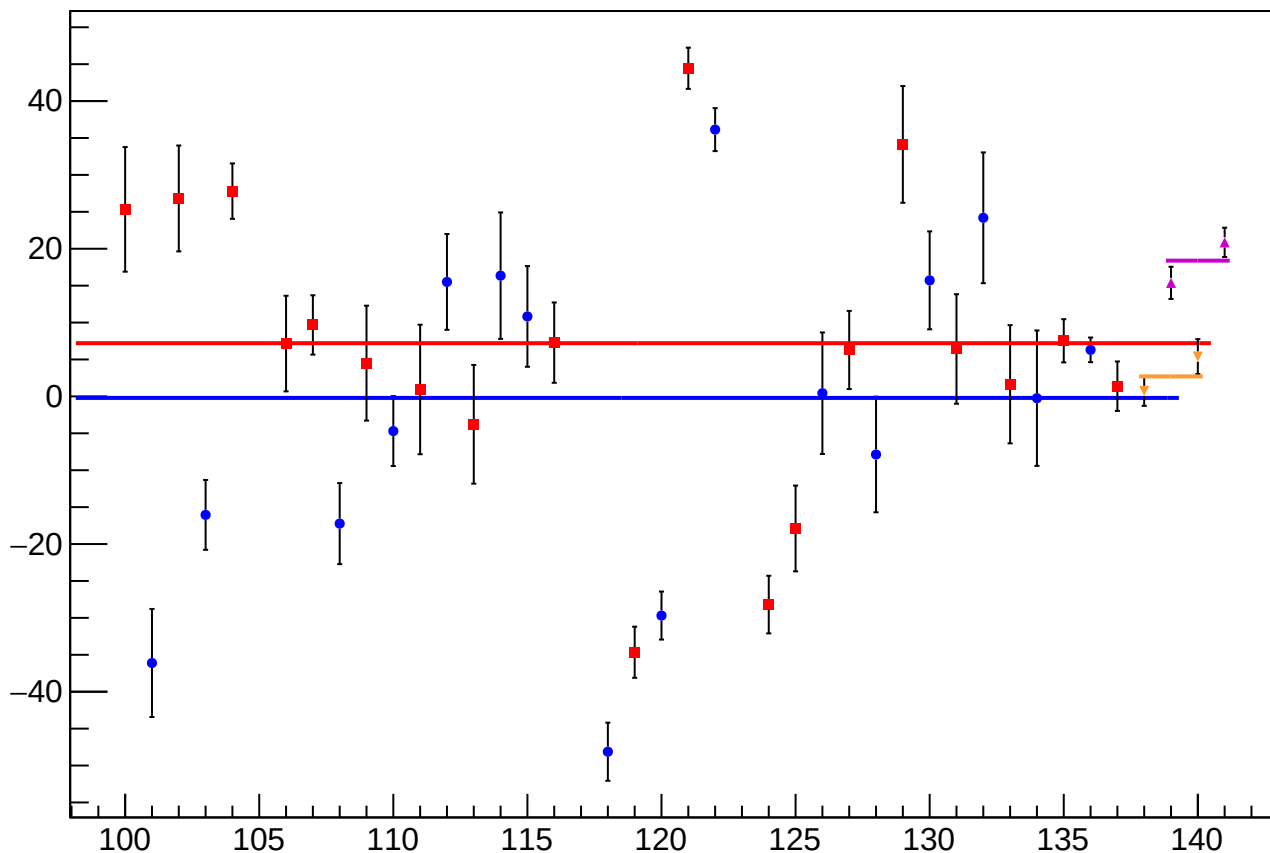
Left In: 10006.467+/-5.394 χ^2/NDF : 10592.3/1

+ sign 9674.427+/-2.305 χ^2/NDF : 45504.5/17

All: 9702.093+/-1.618 χ^2/NDF : 139476.2/38

- sign 9728.986+/-2.272 χ^2/NDF : 93687.4/20

diff_bpm0l02Y_mean vs Slug



Right In: -0.206 ± 1.045 $\chi^2/\text{NDF}: 473.7/15$

Left Out: 2.706 ± 1.538 $\chi^2/\text{NDF}: 2.2/1$

Right Out: 7.206 ± 1.074 $\chi^2/\text{NDF}: 485.6/18$

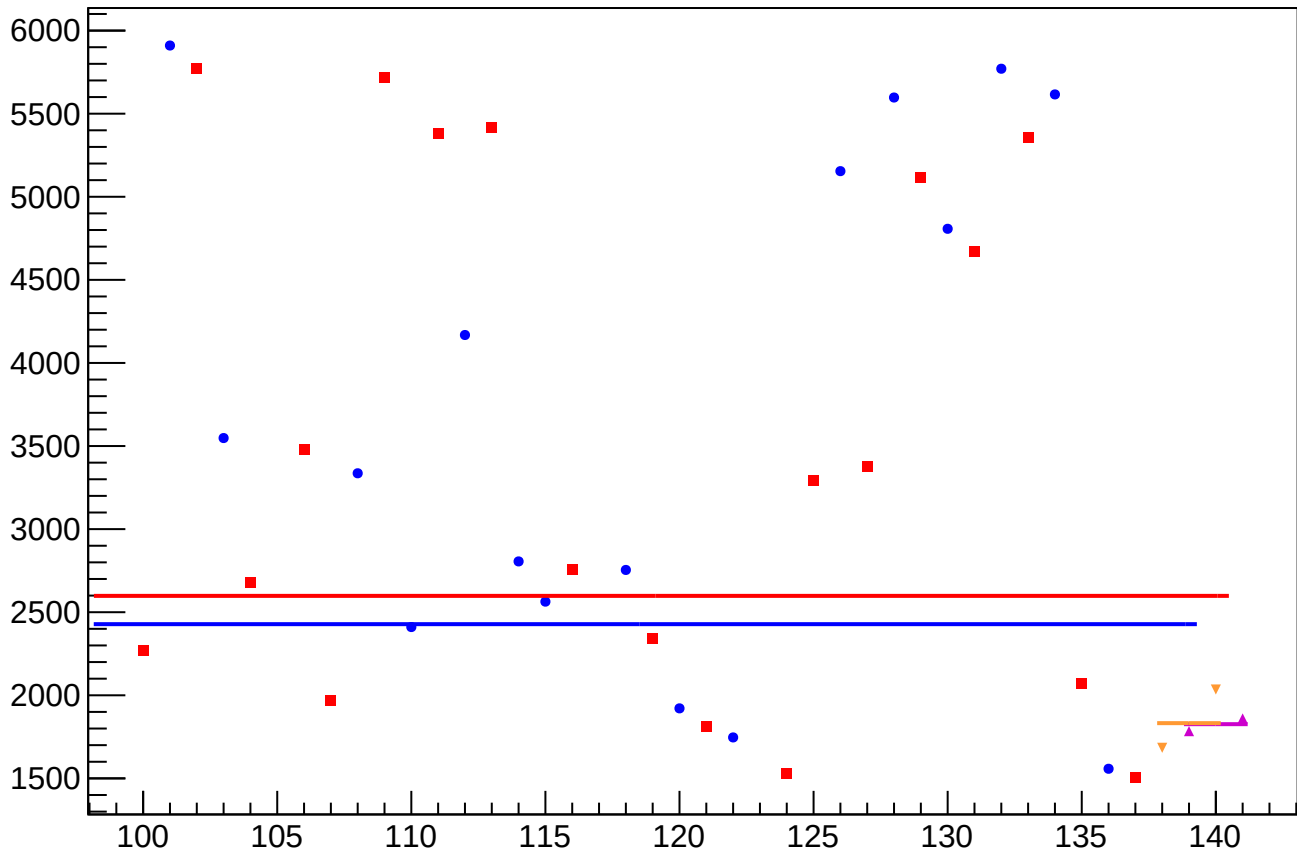
Left In: 18.387 ± 1.468 $\chi^2/\text{NDF}: 3.5/1$

+ sign 0.714 ± 0.865 $\chi^2/\text{NDF}: 478.4/17$

All: 5.897 ± 0.612 $\chi^2/\text{NDF}: 1077.3/38$

- sign 11.103 ± 0.867 $\chi^2/\text{NDF}: 526.9/20$

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

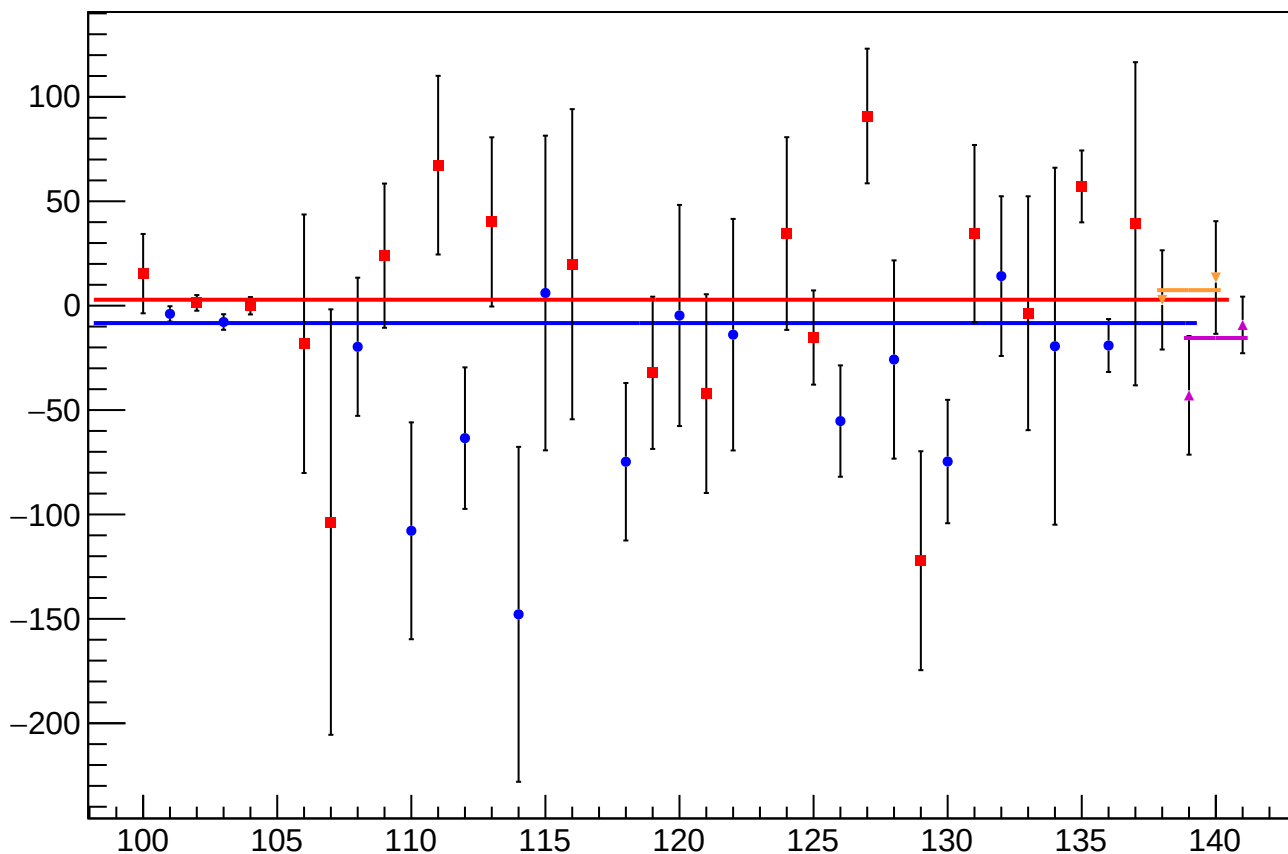
Left In: 1826.272+/-1.038 χ^2/NDF : 1350.0/1

+ sign 2239.875+/-0.611 χ^2/NDF : 3045898.6/17

All: 2284.456+/-0.433 χ^2/NDF : 5933295.5/38

- sign 2329.241+/-0.613 χ^2/NDF : 2876737.4/20

diff_bpm0l03X_mean vs Slug



Right In: -8.332 ± 2.499 χ^2/NDF : 23.4/15

Left Out: 7.447 ± 17.832 χ^2/NDF : 0.1/1

Right Out: 2.848 ± 2.640 χ^2/NDF : 32.6/18

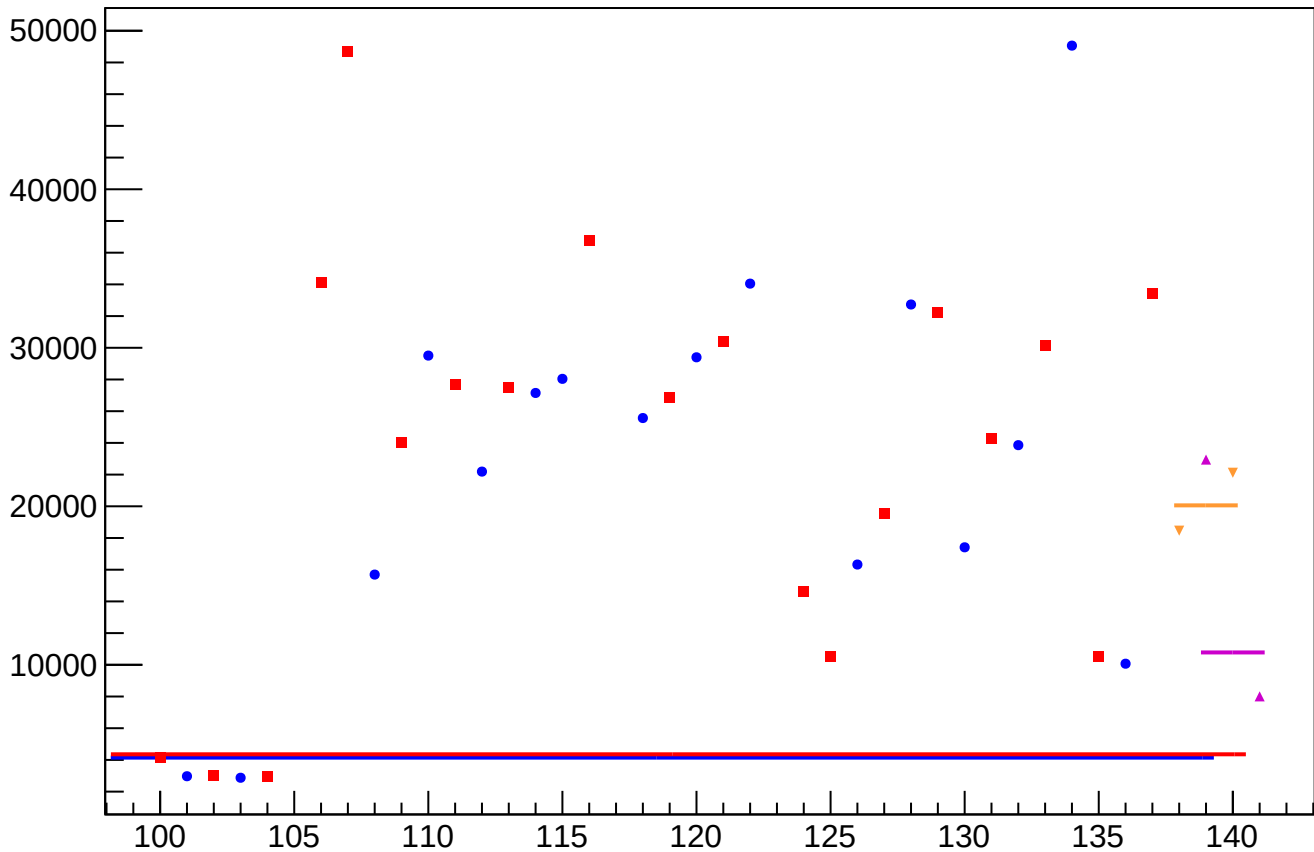
Left In: -15.489 ± 12.229 χ^2/NDF : 1.1/1

+ sign -8.028 ± 2.475 χ^2/NDF : 24.3/17

All: -3.207 ± 1.786 χ^2/NDF : 68.1/38

- sign 2.032 ± 2.580 χ^2/NDF : 35.9/20

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF : 6836950.5/15

Left Out: 20059.017+/-12.609 χ^2/NDF : 20664.8/1

+ sign 4452.381+/-1.750 χ^2/NDF : 8419606.4/17

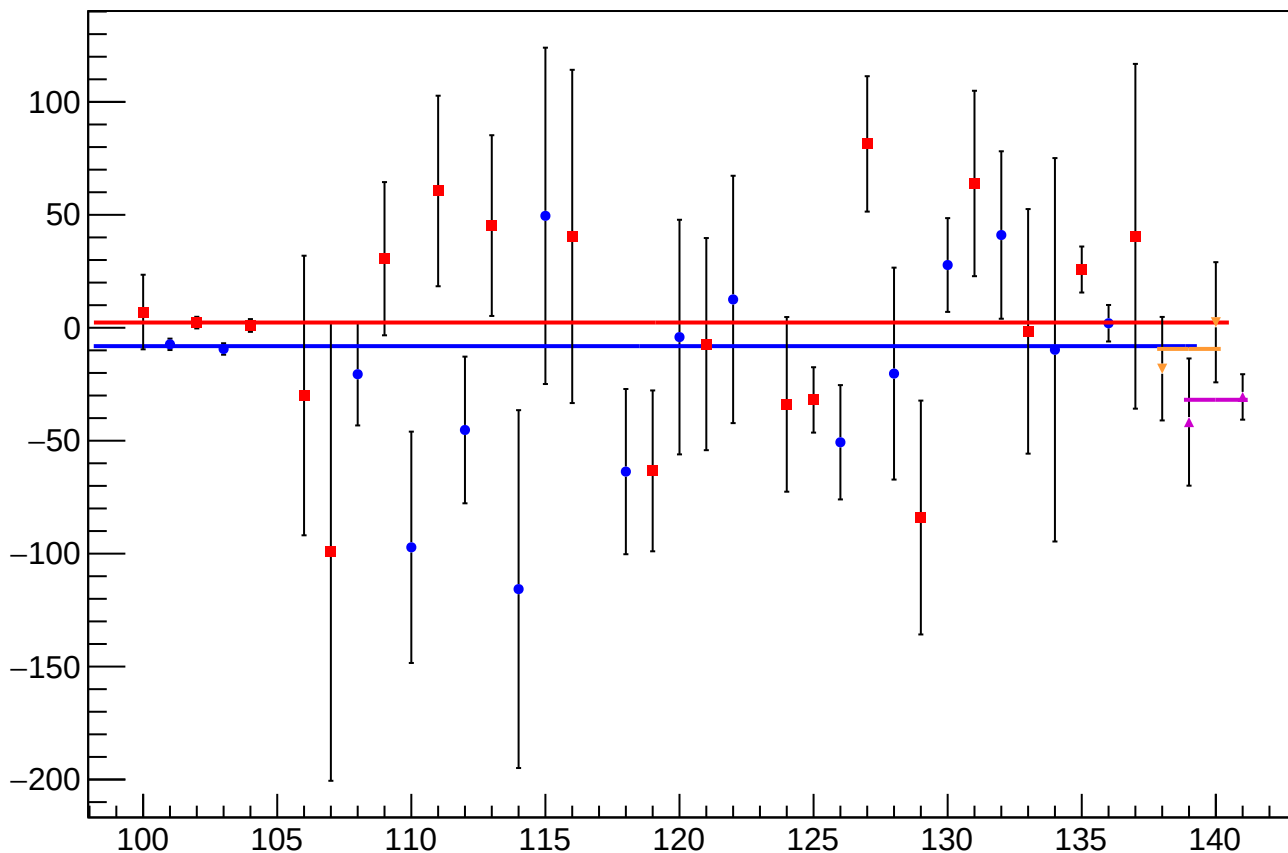
Right Out: 4354.437+/-1.866 χ^2/NDF : 7624762.5/18

All: 4542.516+/-1.263 χ^2/NDF : 17028167.8/3

Left In: 10780.135+/-8.648 χ^2/NDF : 450689.6/1

- sign 4640.458+/-1.824 χ^2/NDF : 8603027.3/20

diff_bpm0l03Y_mean vs Slug



Right In: -8.132 ± 1.720 χ^2/NDF : 19.1/15

Left Out: -9.358 ± 17.361 χ^2/NDF : 0.3/1

Right Out: 2.325 ± 1.822 χ^2/NDF : 33.1/18

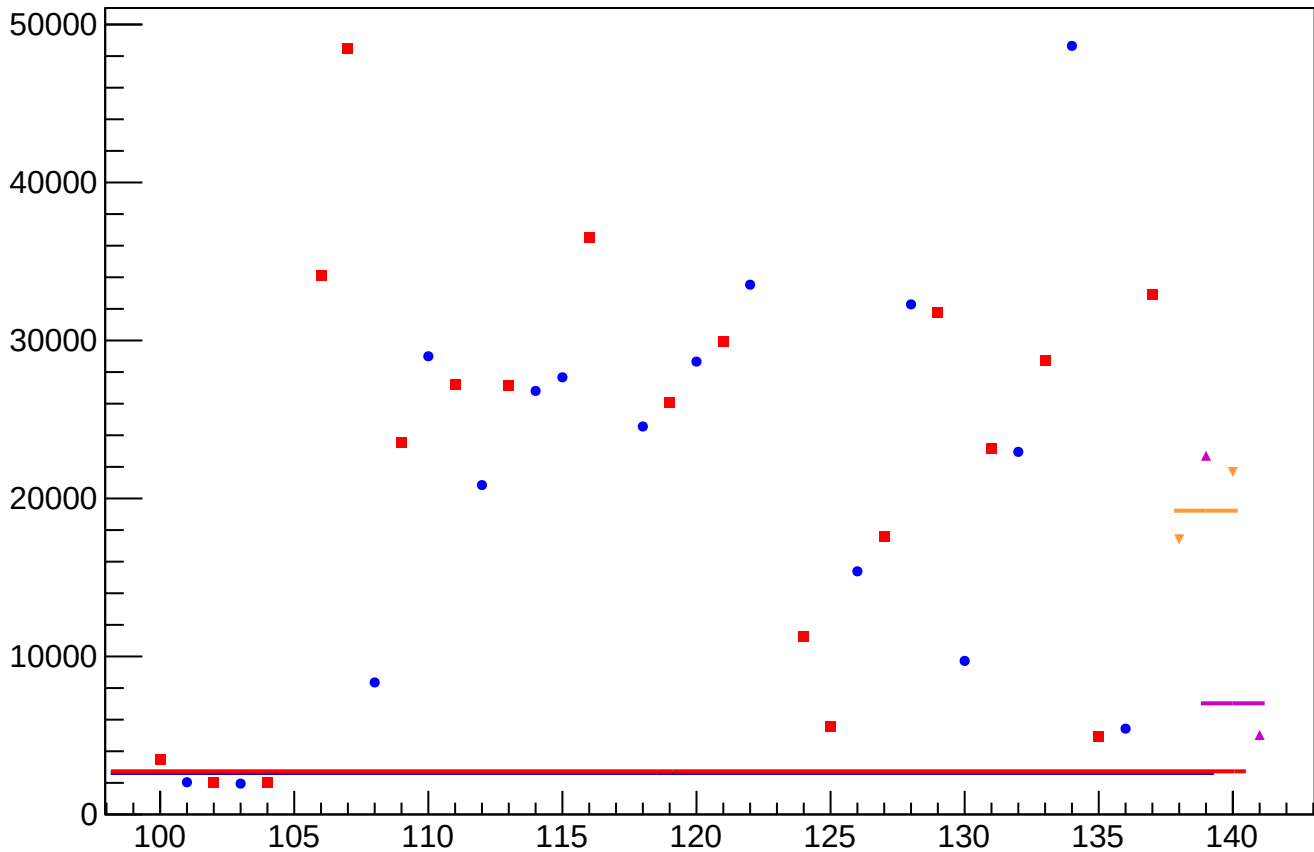
Left In: -31.883 ± 9.477 χ^2/NDF : 0.1/1

+ sign -8.144 ± 1.712 χ^2/NDF : 19.5/17

All: -3.722 ± 1.237 χ^2/NDF : 79.2/38

- sign 1.106 ± 1.789 χ^2/NDF : 45.8/20

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430 ± 1.216 χ^2/NDF : 6780884.6/15

Left Out: 19226.612 ± 12.276 χ^2/NDF : 29414.9/1

Right Out: 2730.235 ± 1.288 χ^2/NDF : 7985984.4/18

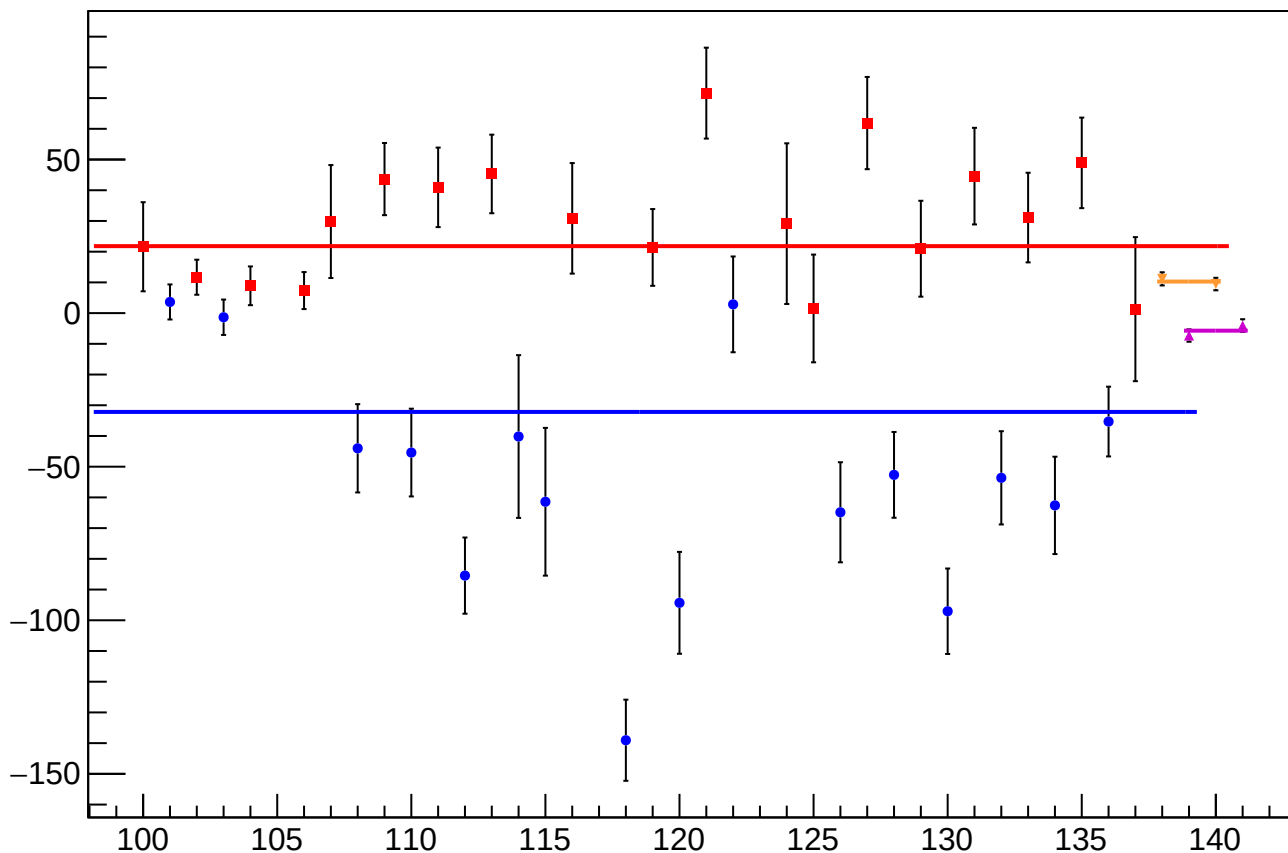
Left In: 7033.562 ± 6.701 χ^2/NDF : 698656.8/1

+ sign 2787.848 ± 1.211 χ^2/NDF : 8620972.2/17

All: 2833.610 ± 0.875 χ^2/NDF : 17706303.5/3

- sign 2883.575 ± 1.265 χ^2/NDF : 9082342.0/20

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

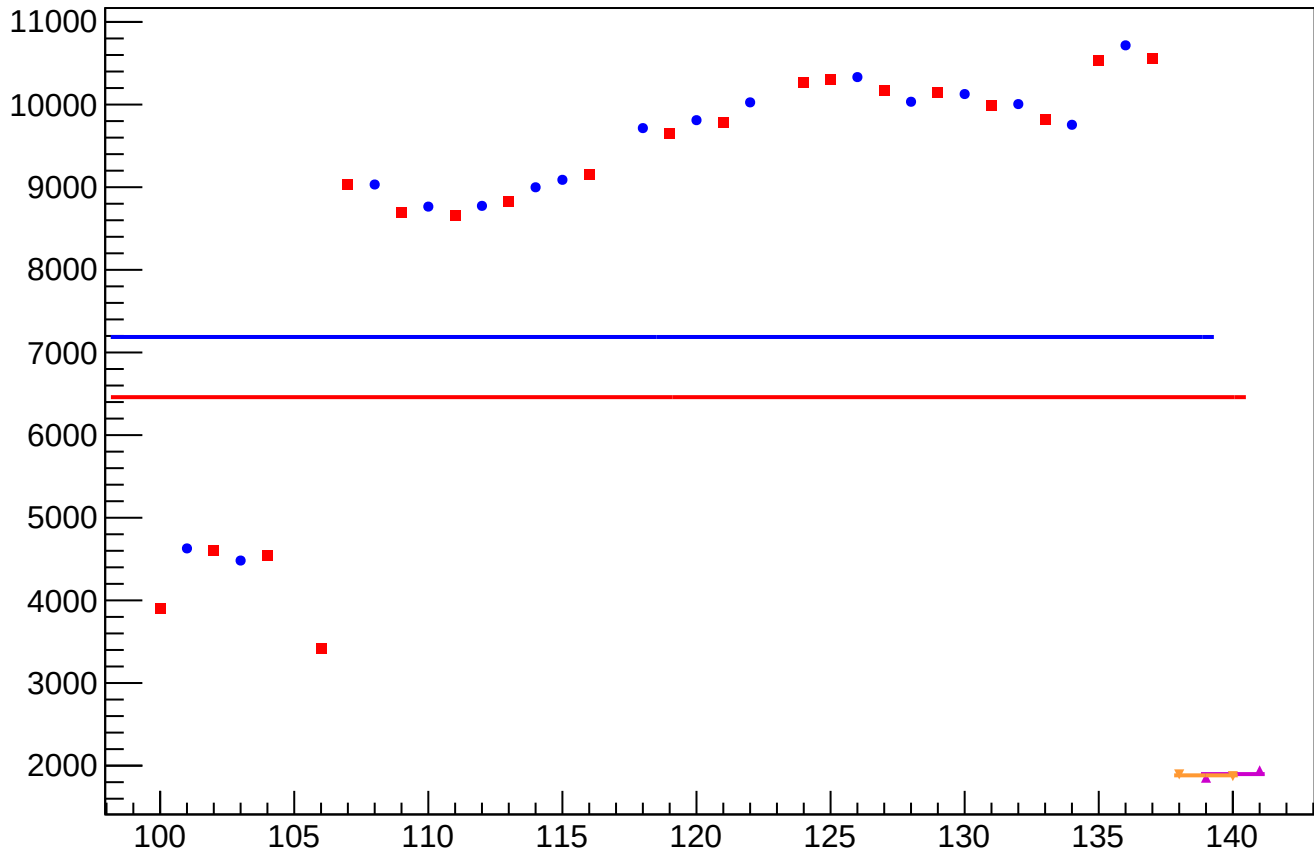
Left In: -5.720 ± 1.444 χ^2/NDF : 1.3/1

+ sign 1.228 ± 1.312 χ^2/NDF : 383.6/17

All: 1.075 ± 0.908 χ^2/NDF : 521.8/38

- sign 0.935 ± 1.258 χ^2/NDF : 138.2/20

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF : 1705887.0/15

Left Out: 1882.755+/-1.045 χ^2/NDF :103.8/1

Right Out: 6459.323+/-1.808 χ^2/NDF : 2276337.9/18

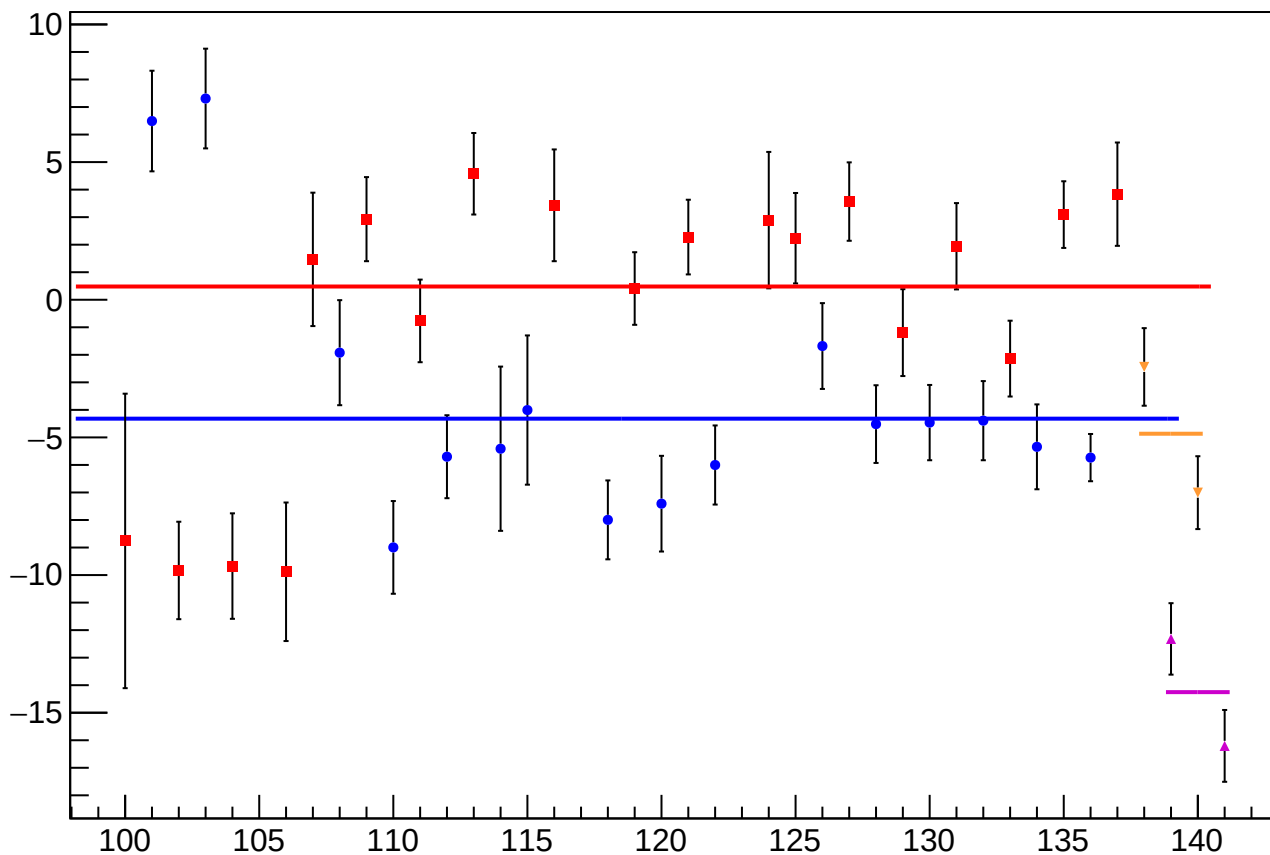
Left In: 1897.999+/-1.021 χ^2/NDF :1914.7/1

+ sign 3012.604+/-0.927 χ^2/NDF : 7190713.0/17

All: 3006.505+/-0.642 χ^2/NDF : 14293261.9/3

- sign 3000.899+/-0.889 χ^2/NDF : 7102465.9/20

diff_bpm0l04Y_mean vs Slug



Right In: -4.319 ± 0.380 χ^2/NDF : 103.7/15

Left Out: -4.866 ± 0.965 χ^2/NDF : 5.6/1

Right Out: 0.481 ± 0.379 χ^2/NDF : 117.2/18

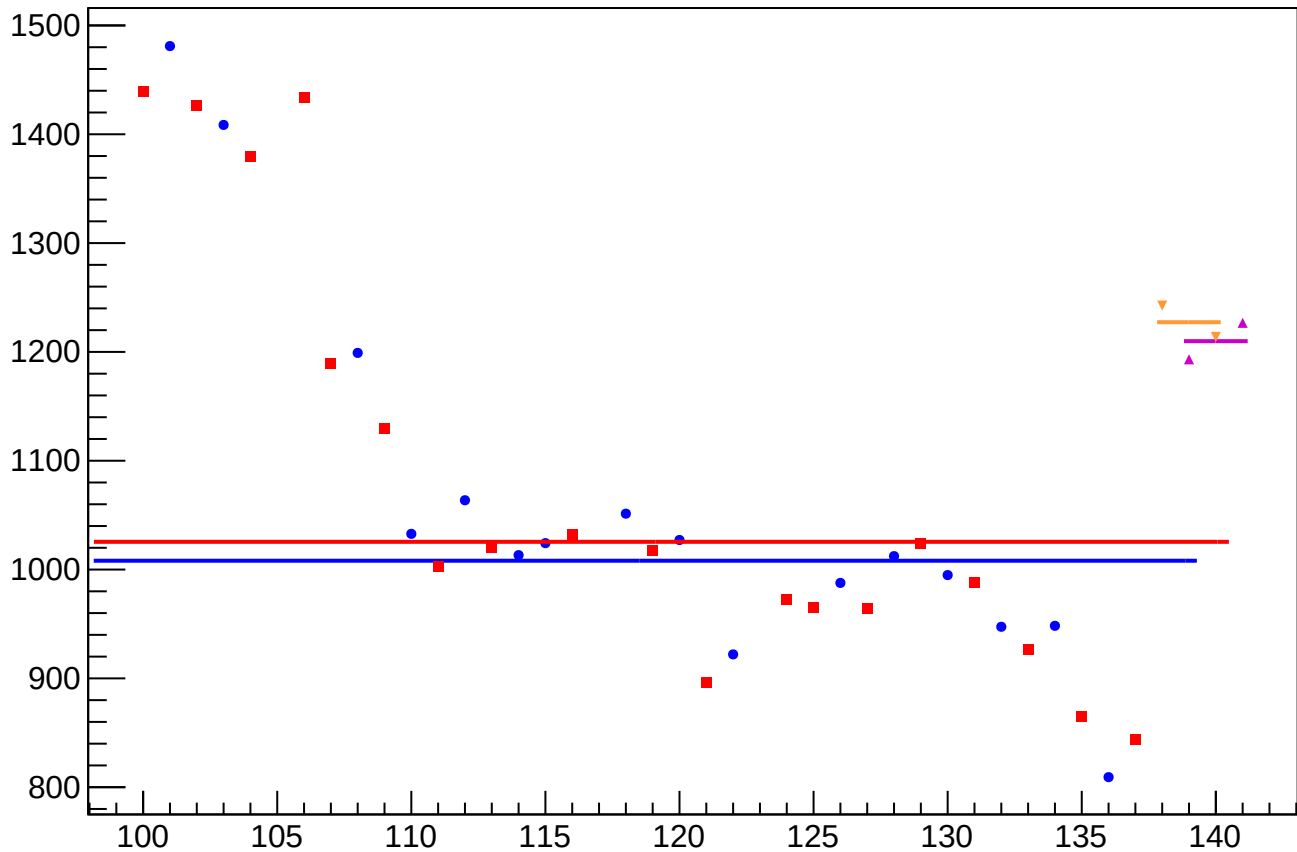
Left In: -14.252 ± 0.920 χ^2/NDF : 4.5/1

+ sign -4.393 ± 0.353 χ^2/NDF : 109.5/17

All: -3.011 ± 0.249 χ^2/NDF : 480.8/38

- sign -1.653 ± 0.350 χ^2/NDF : 341.0/20

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116 $\pm$ 0.269 χ^2 /NDF: 378836.2/15

Left Out: 1227.292 $\pm$ 0.682 χ^2 /NDF: 441.7/1

Right Out: 1025.486 $\pm$ 0.268 χ^2 /NDF: 345991.2/18

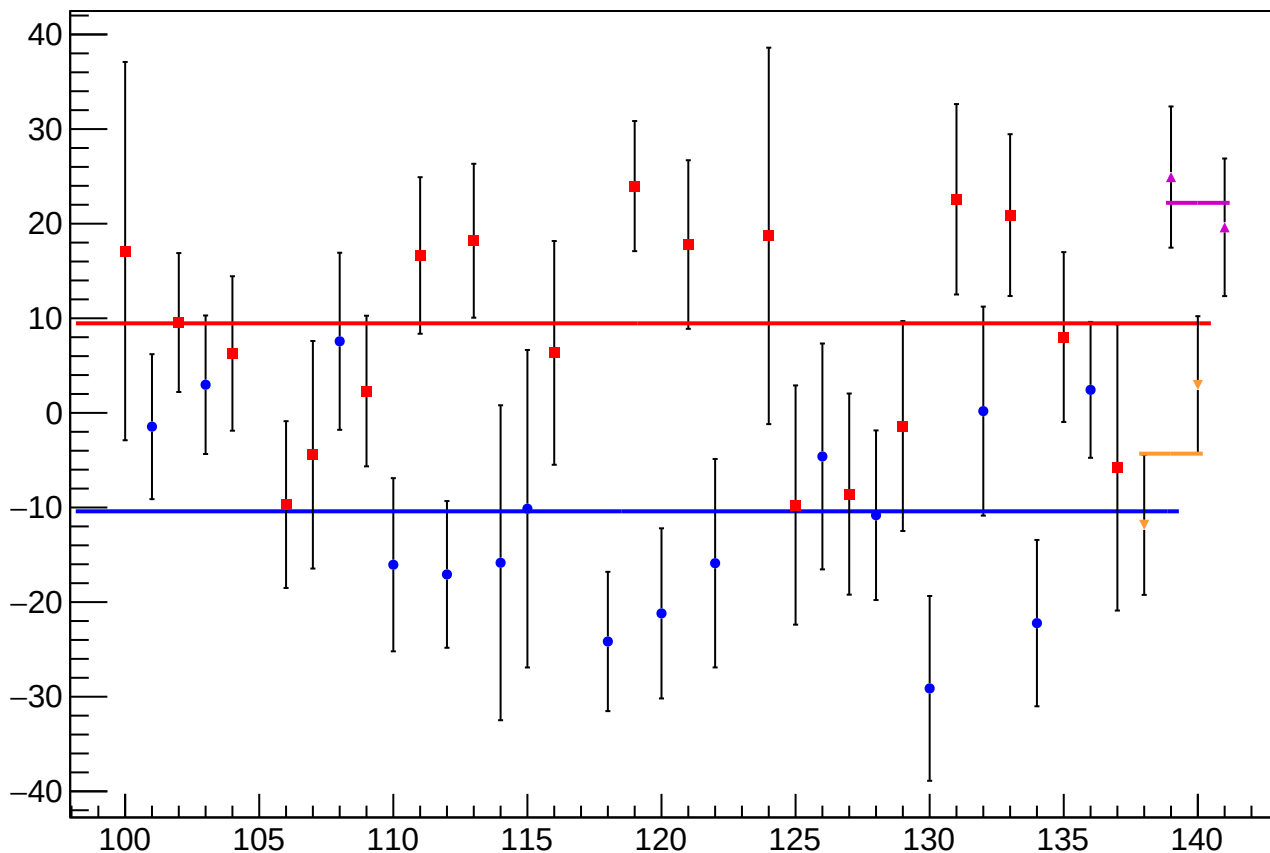
Left In: 1209.896 $\pm$ 0.651 χ^2 /NDF: 664.6/1

+ sign 1037.524 $\pm$ 0.250 χ^2 /NDF: 468673.2/17

All: 1044.929 $\pm$ 0.176 χ^2 /NDF: 885790.3/38

- sign 1052.202 $\pm$ 0.248 χ^2 /NDF: 415376.0/20

diff_bpm0l05X_mean vs Slug



Right In: -10.404 ± 2.280 χ^2/NDF : 24.6/15

Left Out: -4.309 ± 5.187 χ^2/NDF : 2.0/1

Right Out: 9.467 ± 2.191 χ^2/NDF : 25.4/18

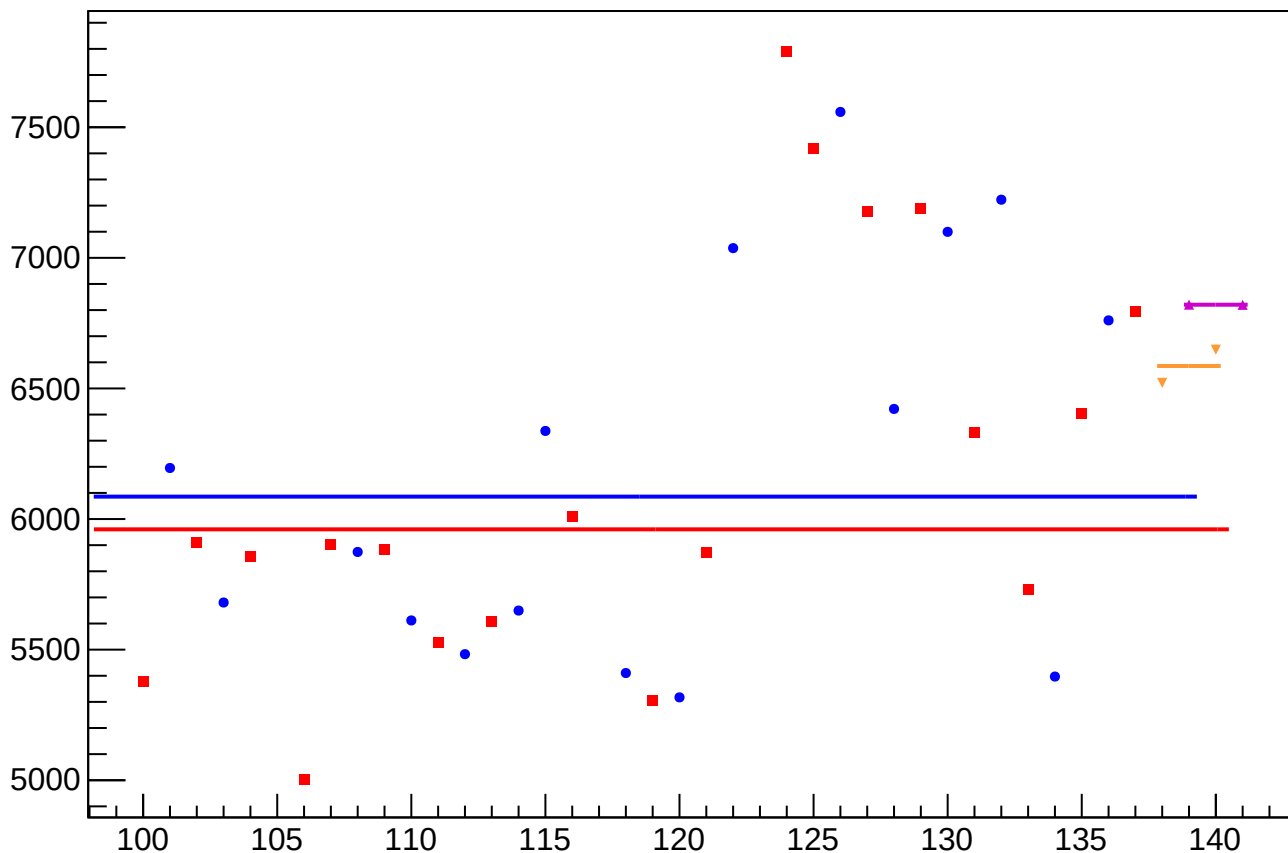
Left In: 22.203 ± 5.208 χ^2/NDF : 0.3/1

+ sign -9.417 ± 2.087 χ^2/NDF : 27.8/17

All: 1.326 ± 1.451 χ^2/NDF : 109.8/38

- sign 11.382 ± 2.019 χ^2/NDF : 30.7/20

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

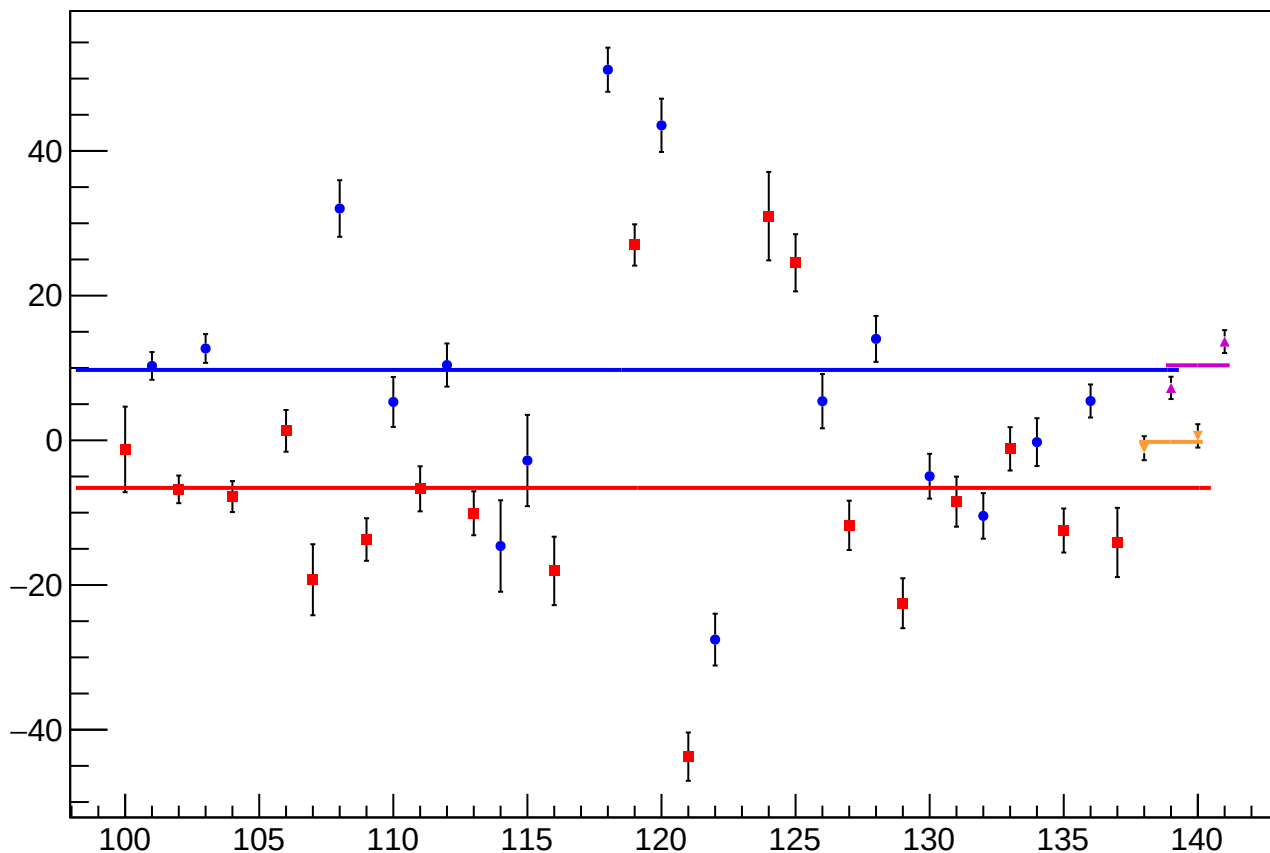
Left In: 6820.527 $\pm$ 3.683 χ^2 /NDF:0.0/1

+ sign 6166.862 $\pm$ 1.476 χ^2 /NDF: 195001.2/17

All: 6127.116 $\pm$ 1.026 χ^2 /NDF: 405503.6/38

- sign 6089.908 $\pm$ 1.428 χ^2 /NDF: 209098.3/20

diff_bpm0l05Y_mean vs Slug



Right In: 9.733 ± 0.755 $\chi^2/\text{NDF}: 512.4/15$

Left Out: -0.213 ± 1.157 $\chi^2/\text{NDF}: 0.5/1$

Right Out: -6.576 ± 0.730 $\chi^2/\text{NDF}: 423.8/18$

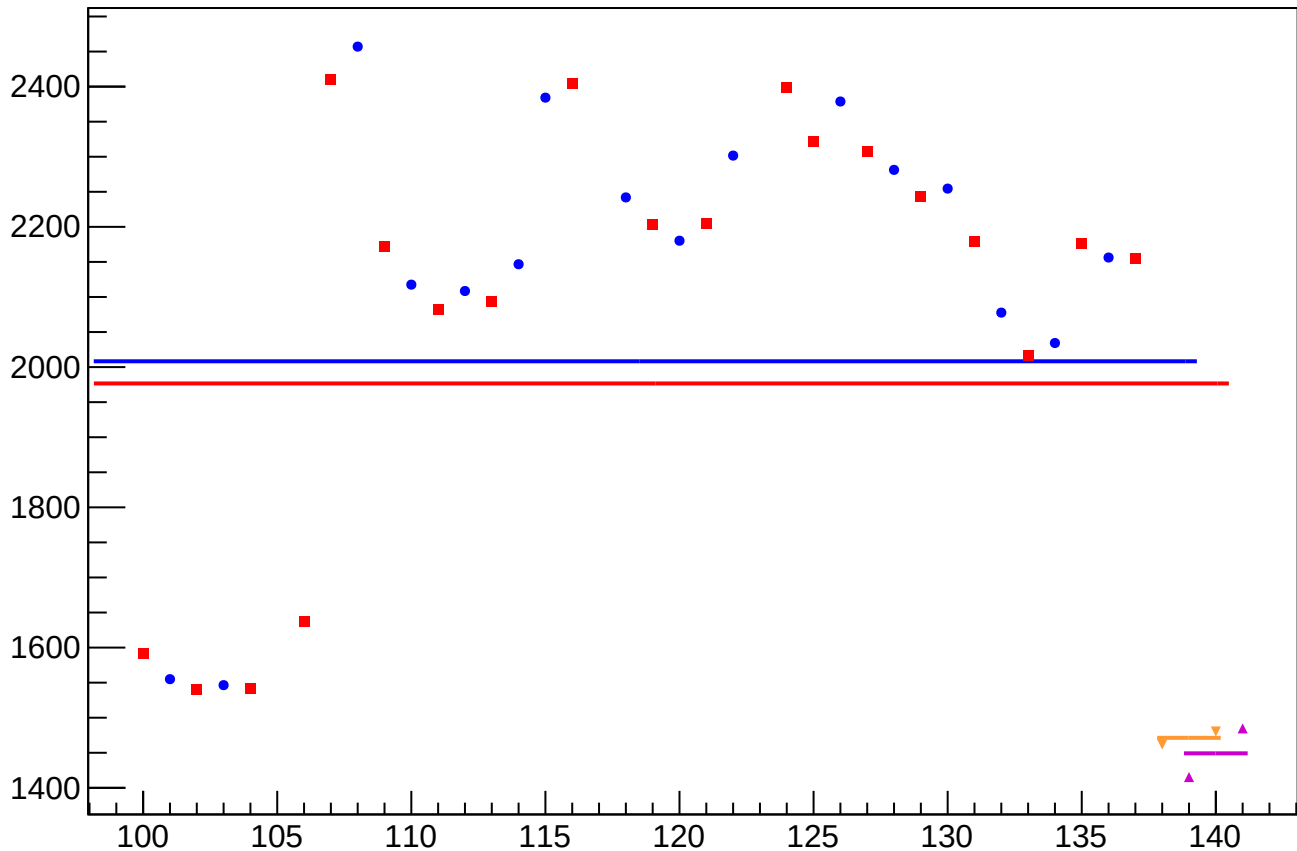
Left In: 10.368 ± 1.102 $\chi^2/\text{NDF}: 8.4/1$

+ sign 6.763 ± 0.632 $\chi^2/\text{NDF}: 564.7/17$

All: 2.524 ± 0.439 $\chi^2/\text{NDF}: 1247.8/38$

- sign -1.407 ± 0.609 $\chi^2/\text{NDF}: 596.4/20$

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

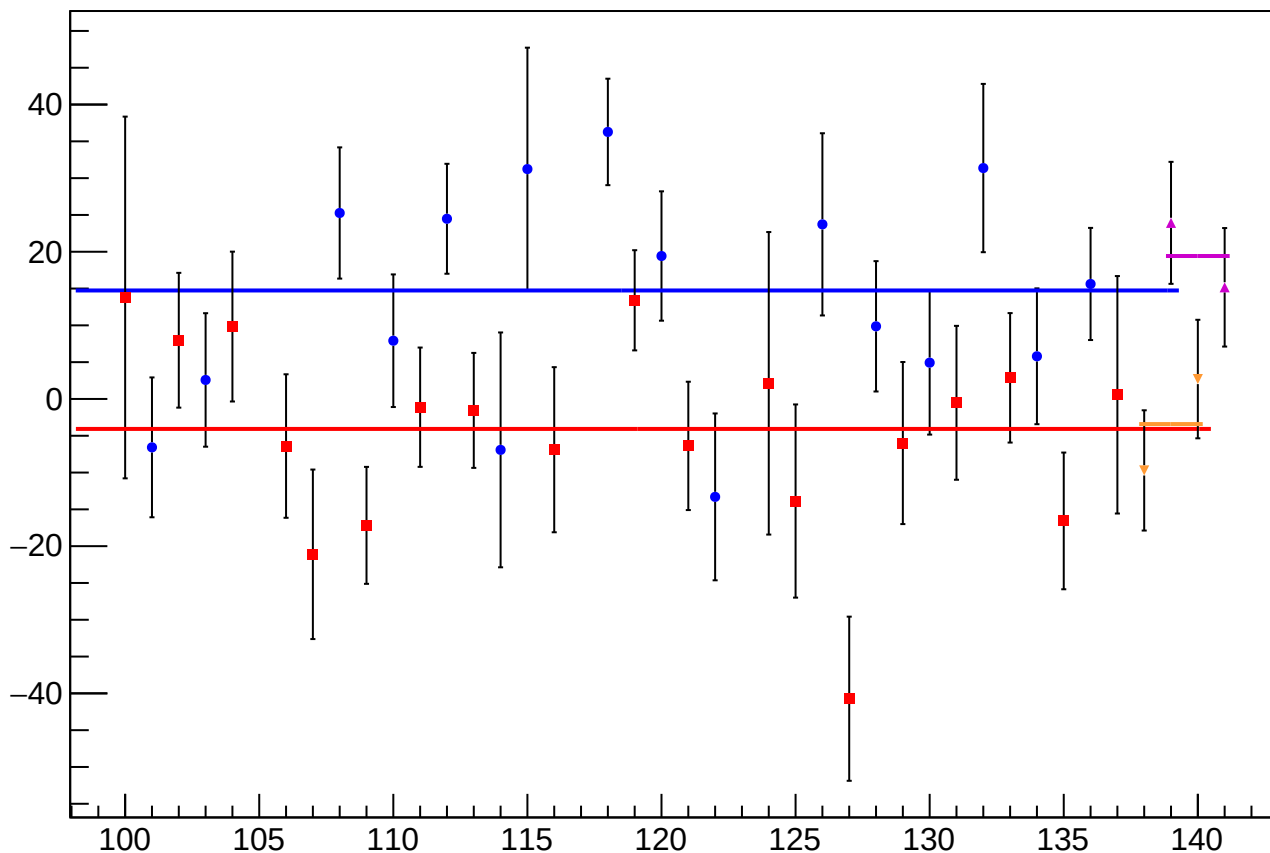
Left In: 1449.197 $\pm$ 0.779 χ^2 /NDF:1979.8/1

+ sign 1847.952 $\pm$ 0.447 χ^2 /NDF: 646688.8/17

All: 1831.251 $\pm$ 0.310 χ^2 /NDF: 1334998.3/38

- sign 1815.764 $\pm$ 0.431 χ^2 /NDF: 685619.8/20

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

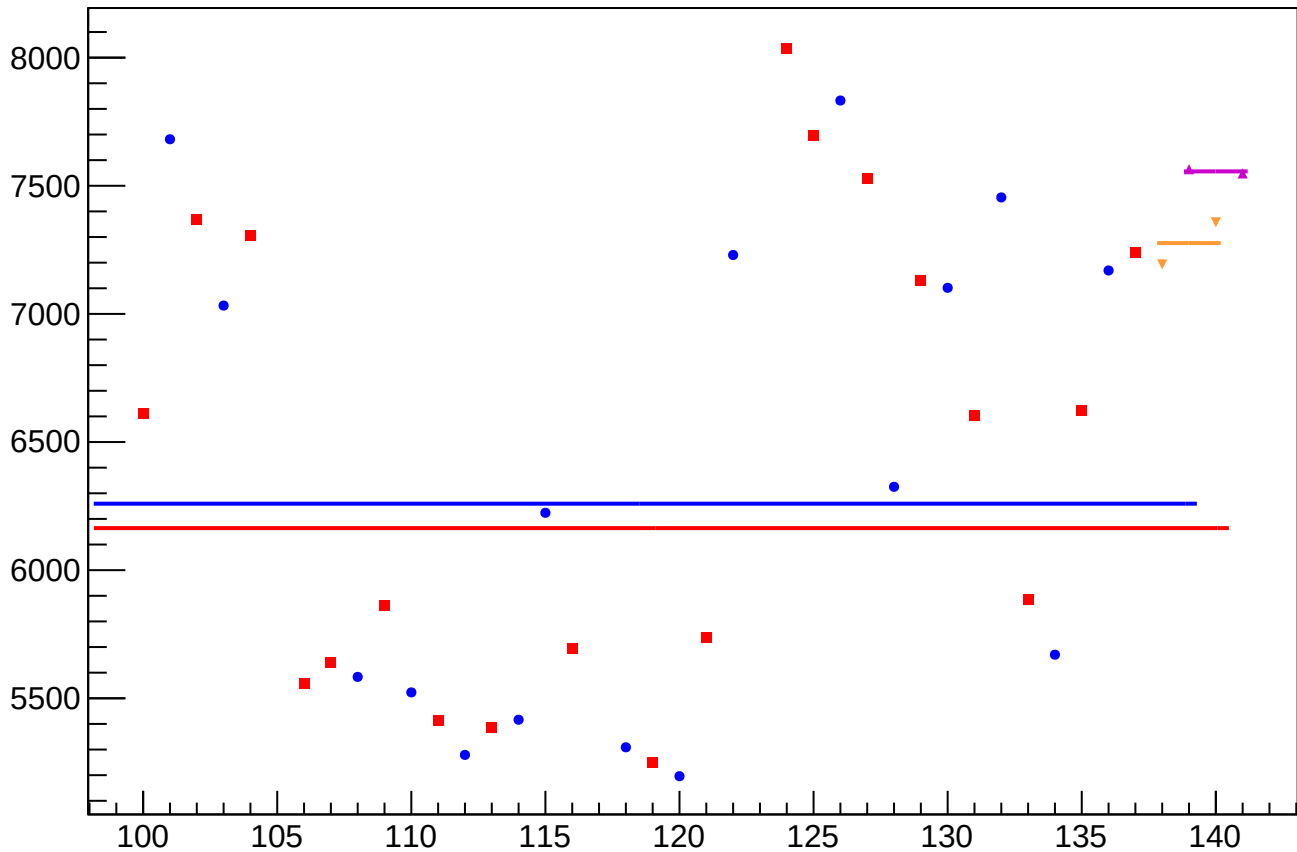
Left In: 19.422 $\pm$ 5.775 χ^2 /NDF:0.6/1

+ sign 12.115 $\pm$ 2.181 χ^2 /NDF: 43.3/17

All: 5.401 $\pm$ 1.518 χ^2 /NDF: 106.7/38

- sign -0.918 $\pm$ 2.116 χ^2 /NDF: 45.1/20

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

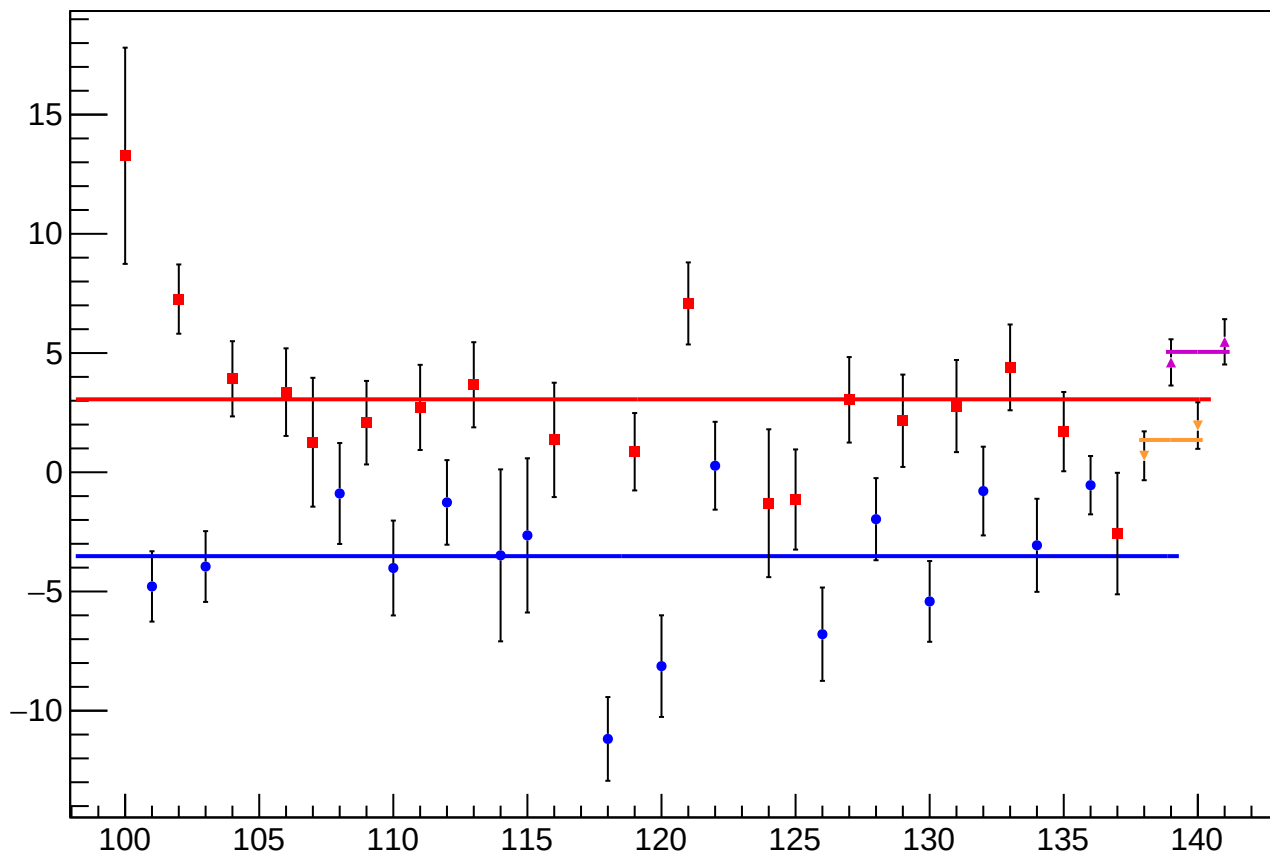
Left In: 7556.124 $\pm$ 4.083 χ^2 /NDF:4.1/1

+ sign 6406.481 $\pm$ 1.542 χ^2 /NDF: 362839.5/17

All: 6377.892 $\pm$ 1.074 χ^2 /NDF: 729179.8/38

- sign 6350.977 $\pm$ 1.496 χ^2 /NDF: 365672.8/20

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 $\chi^2/\text{NDF}: 34.8/18$

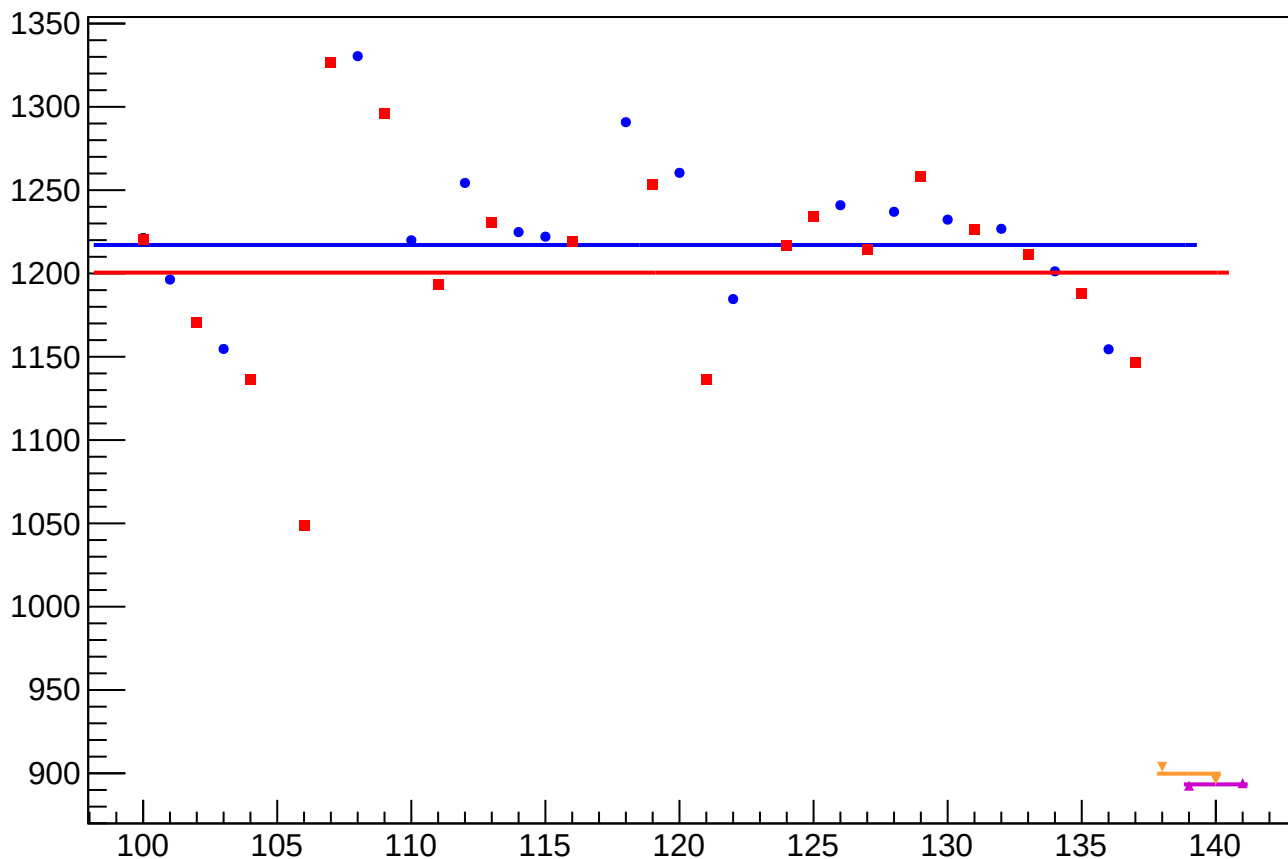
Left In: 5.048 ± 0.679 $\chi^2/\text{NDF}: 0.4/1$

+ sign -2.101 ± 0.381 $\chi^2/\text{NDF}: 79.6/17$

All: 0.869 ± 0.265 $\chi^2/\text{NDF}: 238.4/38$

- sign 3.644 ± 0.368 $\chi^2/\text{NDF}: 41.3/20$

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094 $\pm$ 0.320 χ^2 /NDF: 21686.7/15

Left Out: 899.774 $\pm$ 0.500 χ^2 /NDF:60.6/1

Right Out: 1200.497 $\pm$ 0.310 χ^2 /NDF: 37654.3/18

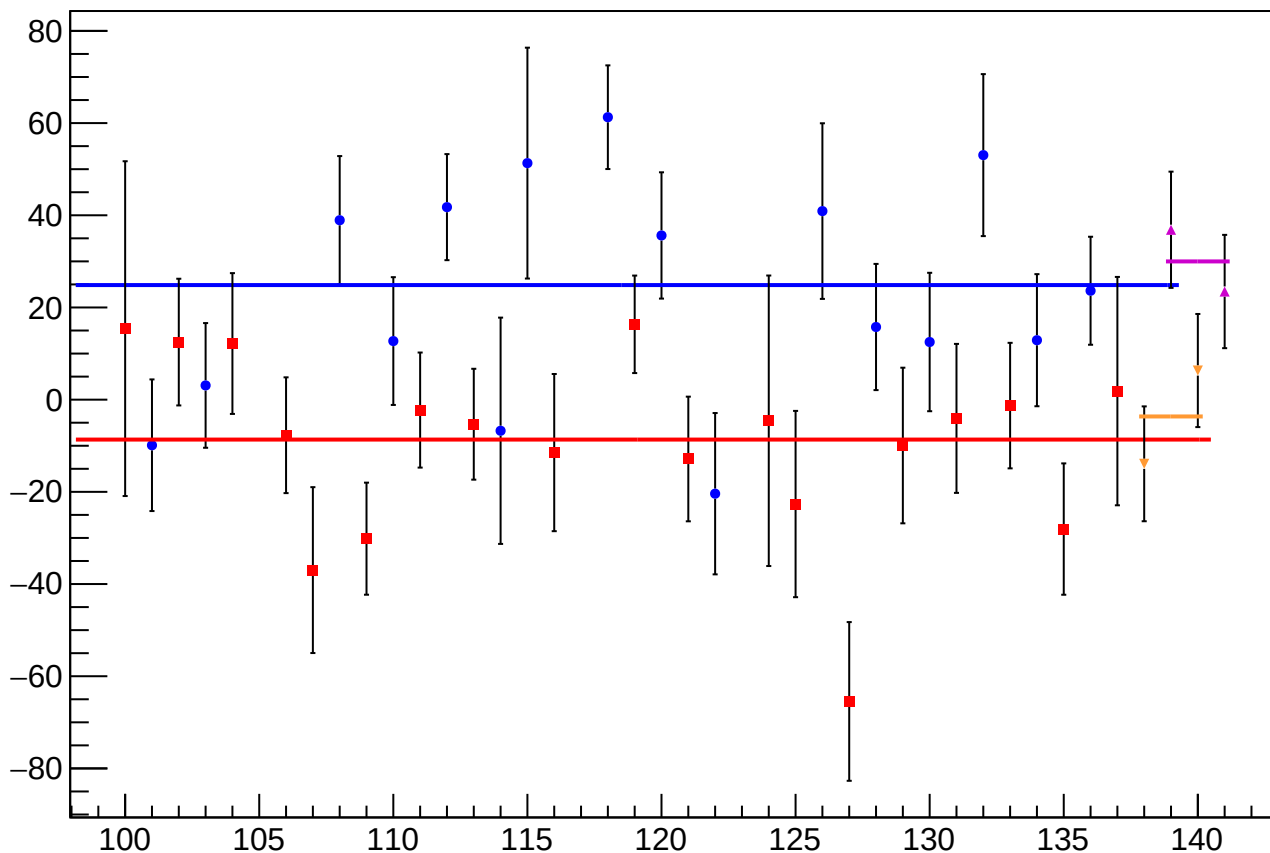
Left In: 893.355 $\pm$ 0.480 χ^2 /NDF:2.5/1

+ sign 1124.866 $\pm$ 0.269 χ^2 /NDF: 307719.7/17

All: 1117.249 $\pm$ 0.187 χ^2 /NDF: 635811.0/38

- sign 1110.134 $\pm$ 0.260 χ^2 /NDF: 326545.5/20

diff_bpm0l07X_mean vs Slug



Right In: 24.860 ± 3.628 χ^2/NDF : 38.1/15

Left Out: -3.645 ± 8.743 χ^2/NDF : 1.3/1

Right Out: -8.658 ± 3.454 χ^2/NDF : 30.1/18

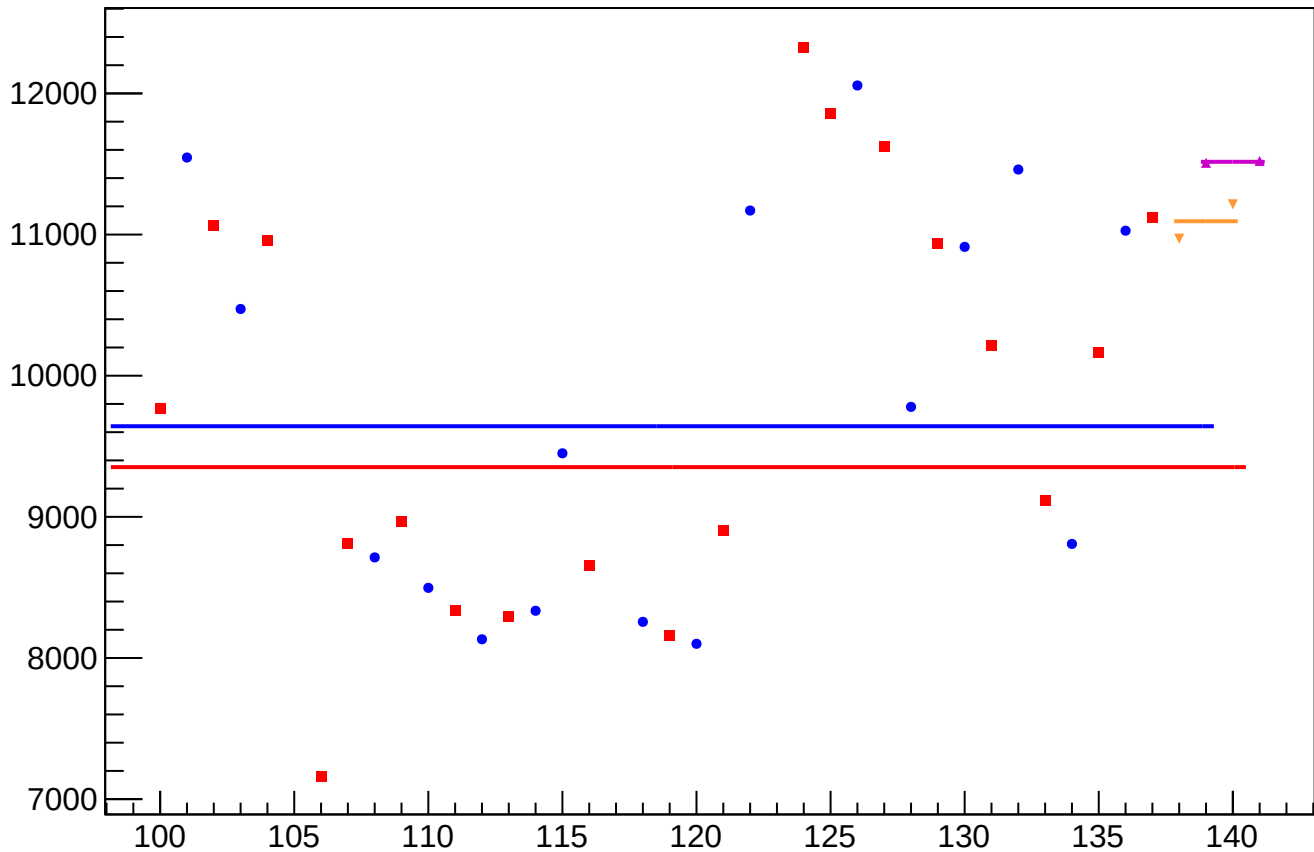
Left In: 29.990 ± 8.800 χ^2/NDF : 0.6/1

+ sign 20.672 ± 3.351 χ^2/NDF : 48.6/17

All: 8.086 ± 2.320 χ^2/NDF : 123.1/38

- sign -3.500 ± 3.215 χ^2/NDF : 47.4/20

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF : 279657.4/15

Left Out: 11094.546+/-6.182 χ^2/NDF : 387.8/1

Right Out: 9352.503+/-2.442 χ^2/NDF : 301779.3/18

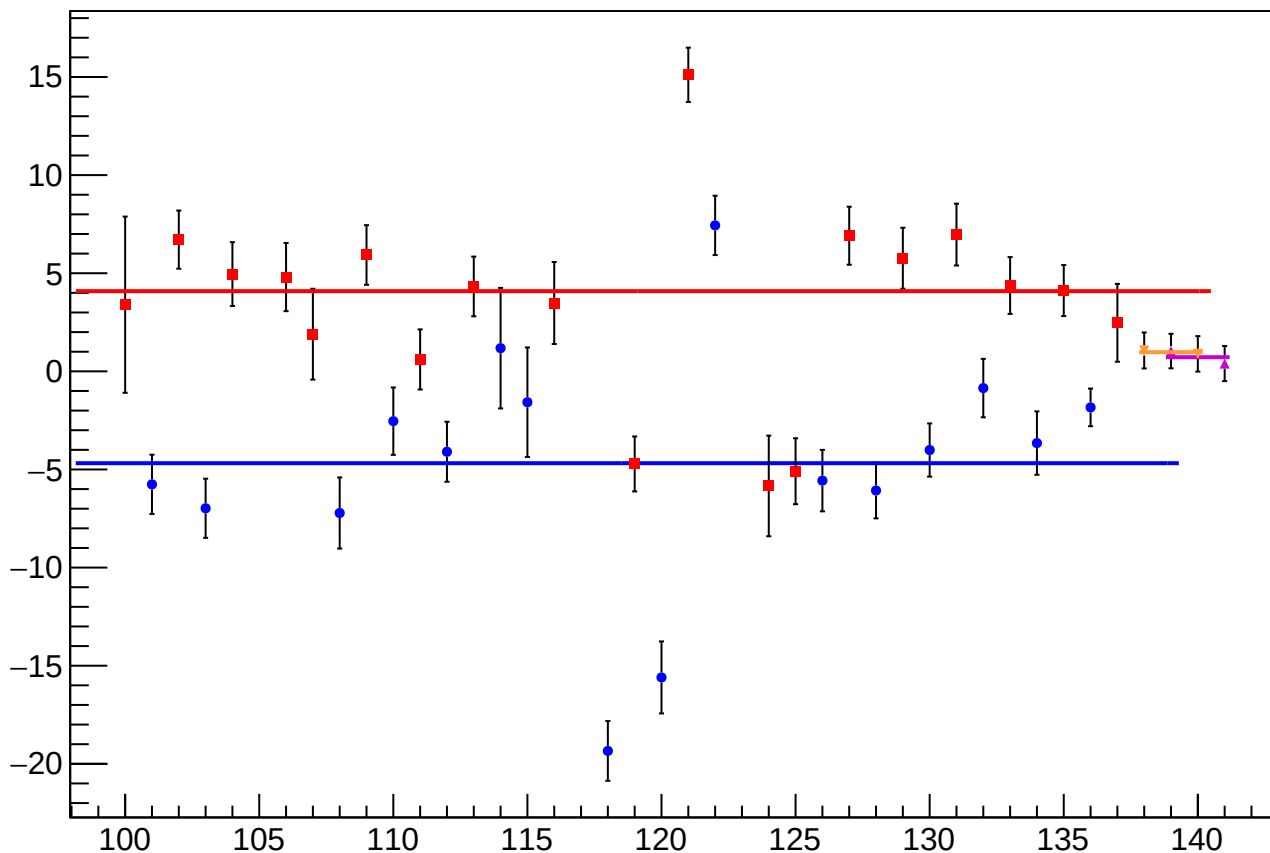
Left In: 11515.535+/-6.223 χ^2/NDF : 1.1/1

+ sign 9855.456+/-2.369 χ^2/NDF : 327139.6/17

All: 9743.886+/-1.640 χ^2/NDF : 737877.1/38

- sign 9641.184+/-2.273 χ^2/NDF : 406479.4/20

diff_bpm0l07Y_mean vs Slug



Right In: -4.681 ± 0.386 χ^2/NDF : 221.2/15

Left Out: 0.976 ± 0.643 χ^2/NDF : 0.0/1

Right Out: 4.087 ± 0.376 χ^2/NDF : 168.1/18

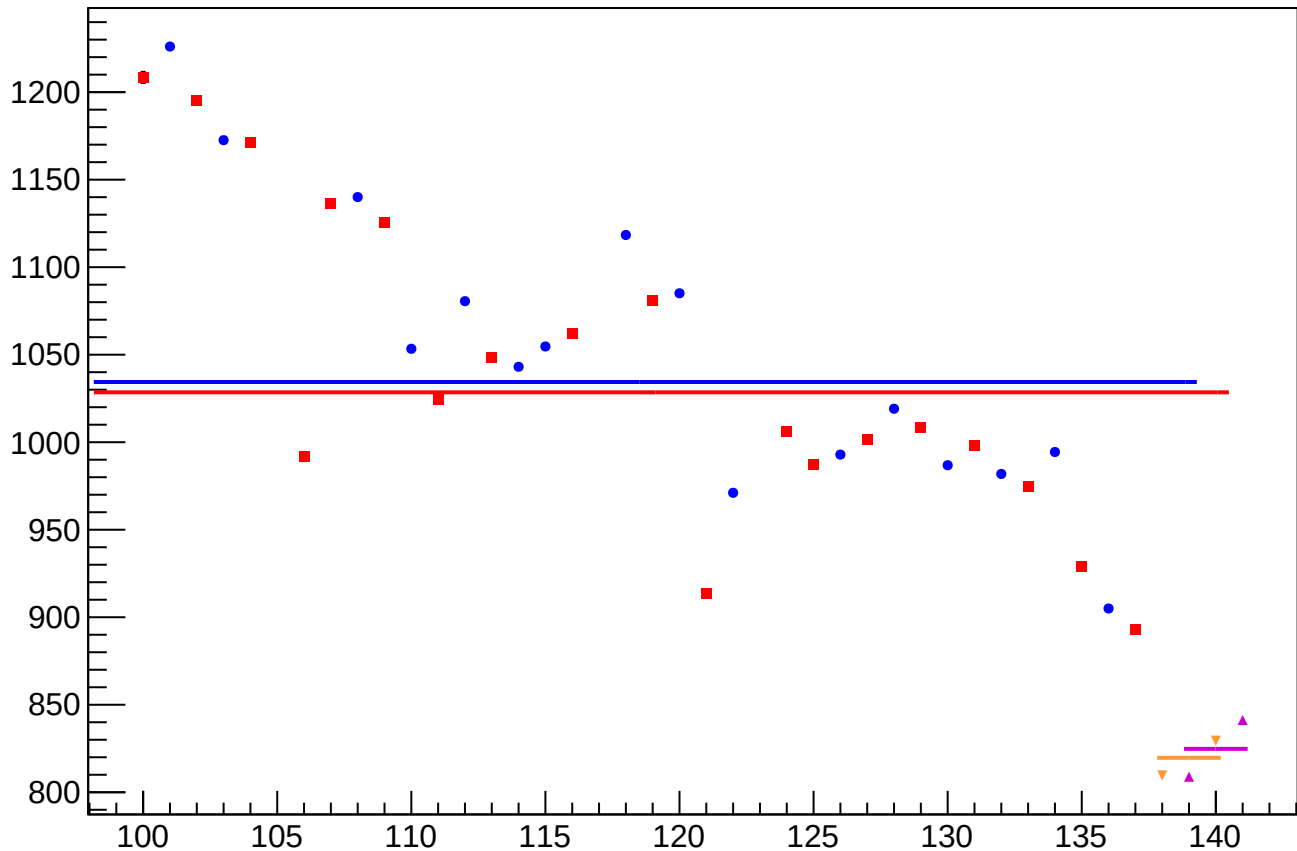
Left In: 0.721 ± 0.627 χ^2/NDF : 0.3/1

+ sign -3.185 ± 0.331 χ^2/NDF : 278.1/17

All: 0.085 ± 0.231 χ^2/NDF : 658.1/38

- sign 3.195 ± 0.323 χ^2/NDF : 189.5/20

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

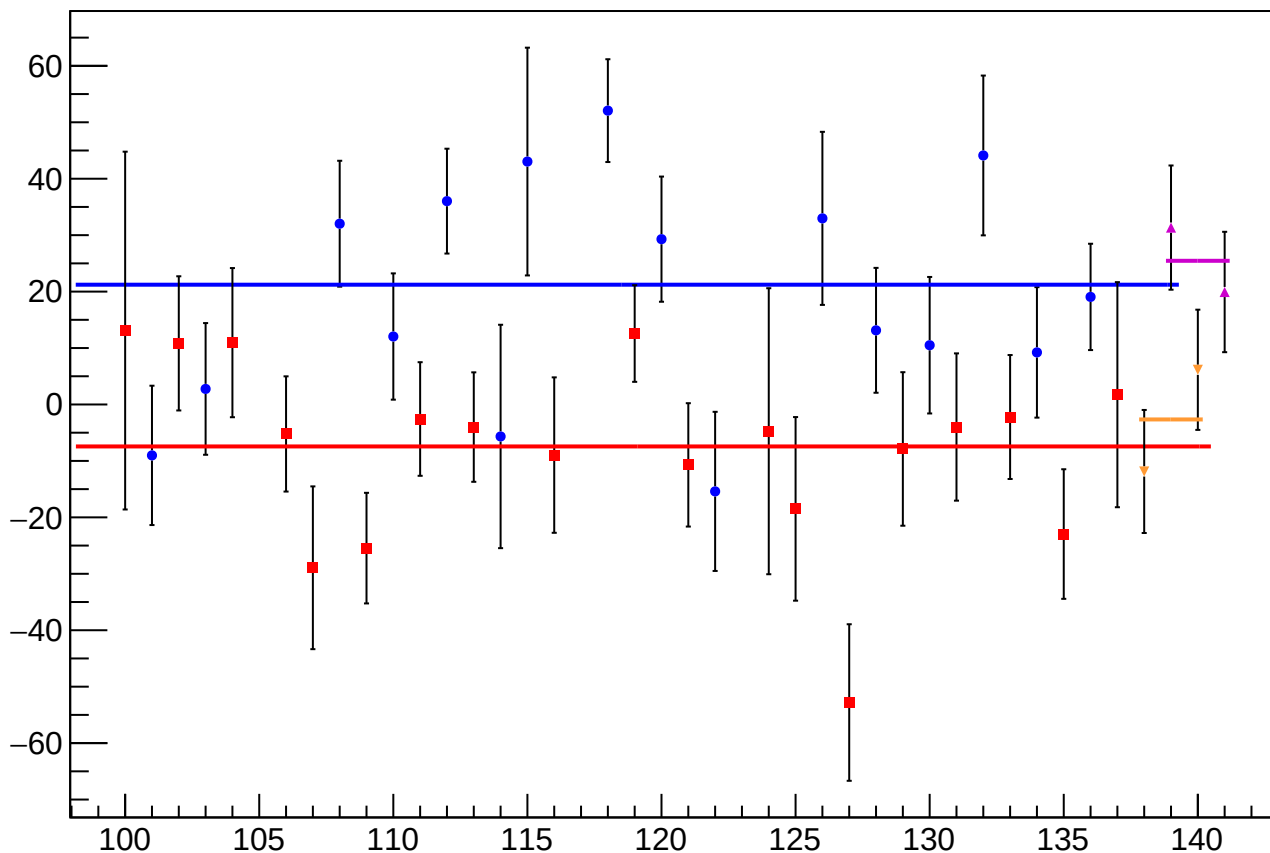
Left In: 824.806 $\pm$ 0.443 χ^2 /NDF: 1333.1/1

+ sign 977.628 $\pm$ 0.234 χ^2 /NDF: 277574.2/17

All: 976.047 $\pm$ 0.163 χ^2 /NDF: 535787.0/38

- sign 974.543 $\pm$ 0.228 χ^2 /NDF: 258123.7/20

diff_bpm0l08X_mean vs Slug



Right In: 21.222 ± 2.952 χ^2/NDF : 40.1/15

Left Out: -2.653 ± 7.618 χ^2/NDF : 1.4/1

Right Out: -7.435 ± 2.810 χ^2/NDF : 29.8/18

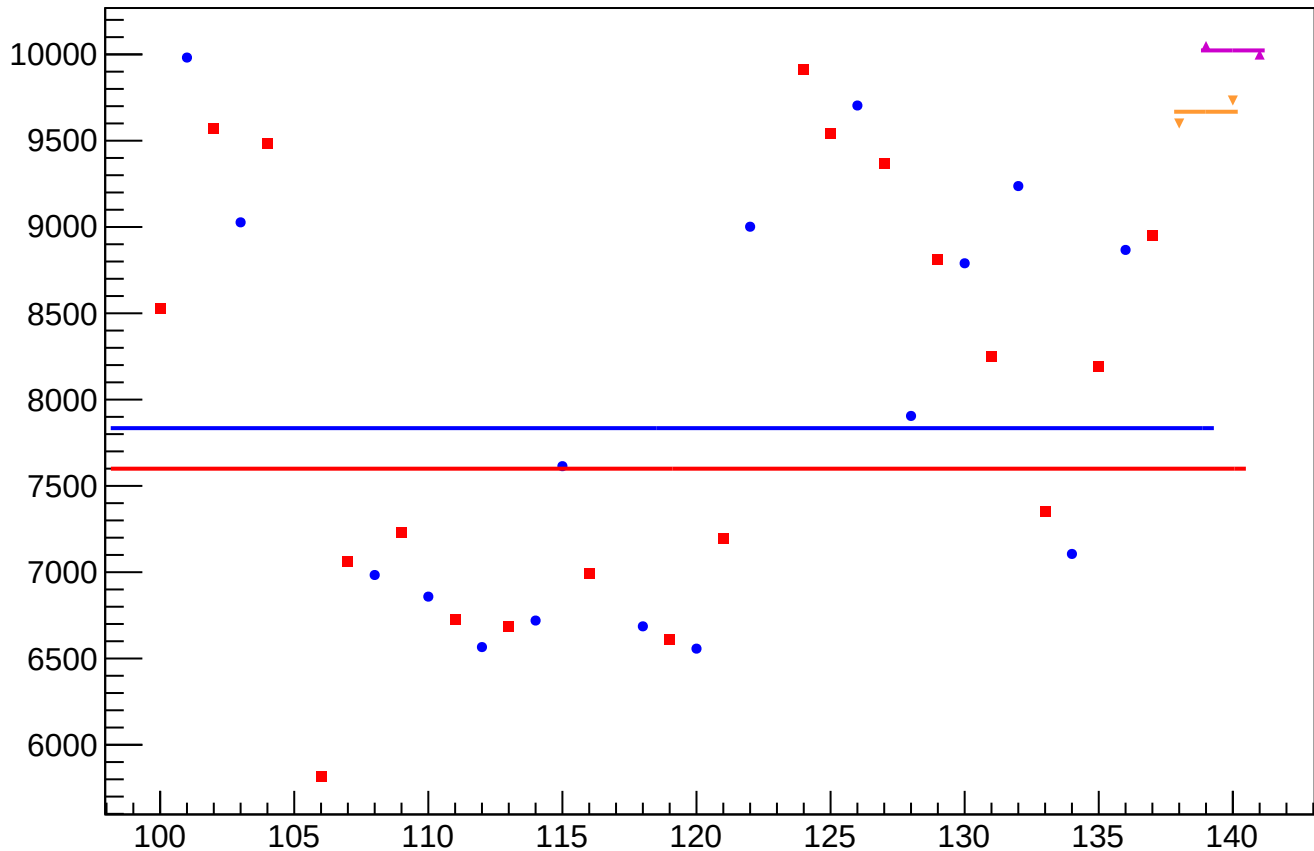
Left In: 25.457 ± 7.658 χ^2/NDF : 0.6/1

+ sign 18.105 ± 2.752 χ^2/NDF : 50.0/17

All: 6.829 ± 1.905 χ^2/NDF : 128.8/38

- sign -3.532 ± 2.638 χ^2/NDF : 46.6/20

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF : 318089.6/15

Left Out: 9667.788+/-5.386 χ^2/NDF :153.0/1

Right Out: 7599.749+/-1.987 χ^2/NDF : 344296.8/18

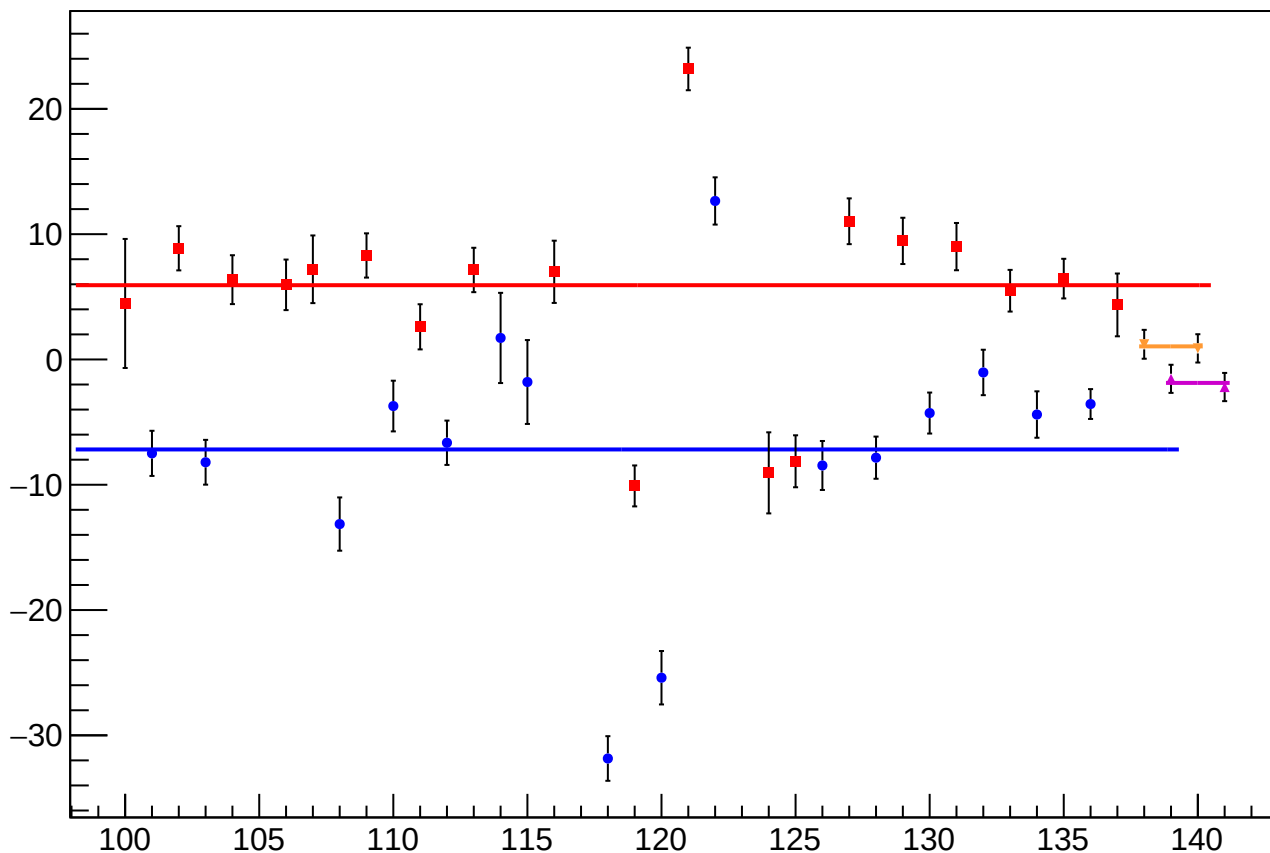
Left In: 10023.058+/-5.415 χ^2/NDF :20.9/1

+ sign 8073.945+/-1.946 χ^2/NDF : 418947.9/17

All: 7976.699+/-1.347 χ^2/NDF : 944546.2/38

- sign 7887.348+/-1.866 χ^2/NDF : 520807.7/20

diff_bpm0l08Y_mean vs Slug



Right In: -7.183 ± 0.462 χ^2/NDF : 422.2/15

Left Out: 1.045 ± 0.807 χ^2/NDF : 0.0/1

Right Out: 5.927 ± 0.449 χ^2/NDF : 290.4/18

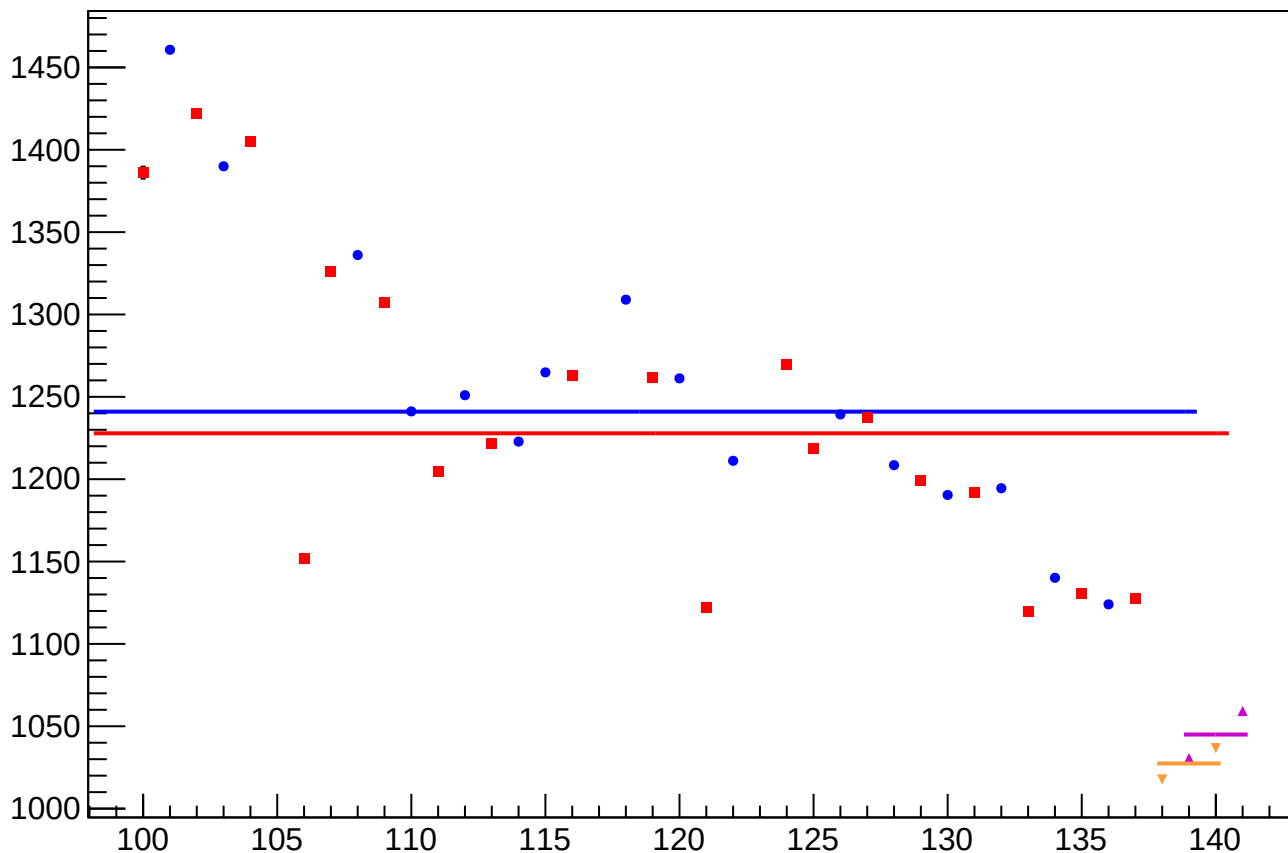
Left In: -1.872 ± 0.795 χ^2/NDF : 0.2/1

+ sign -5.149 ± 0.401 χ^2/NDF : 500.6/17

All: -0.437 ± 0.280 χ^2/NDF : 1133.1/38

- sign 4.040 ± 0.391 χ^2/NDF : 363.5/20

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

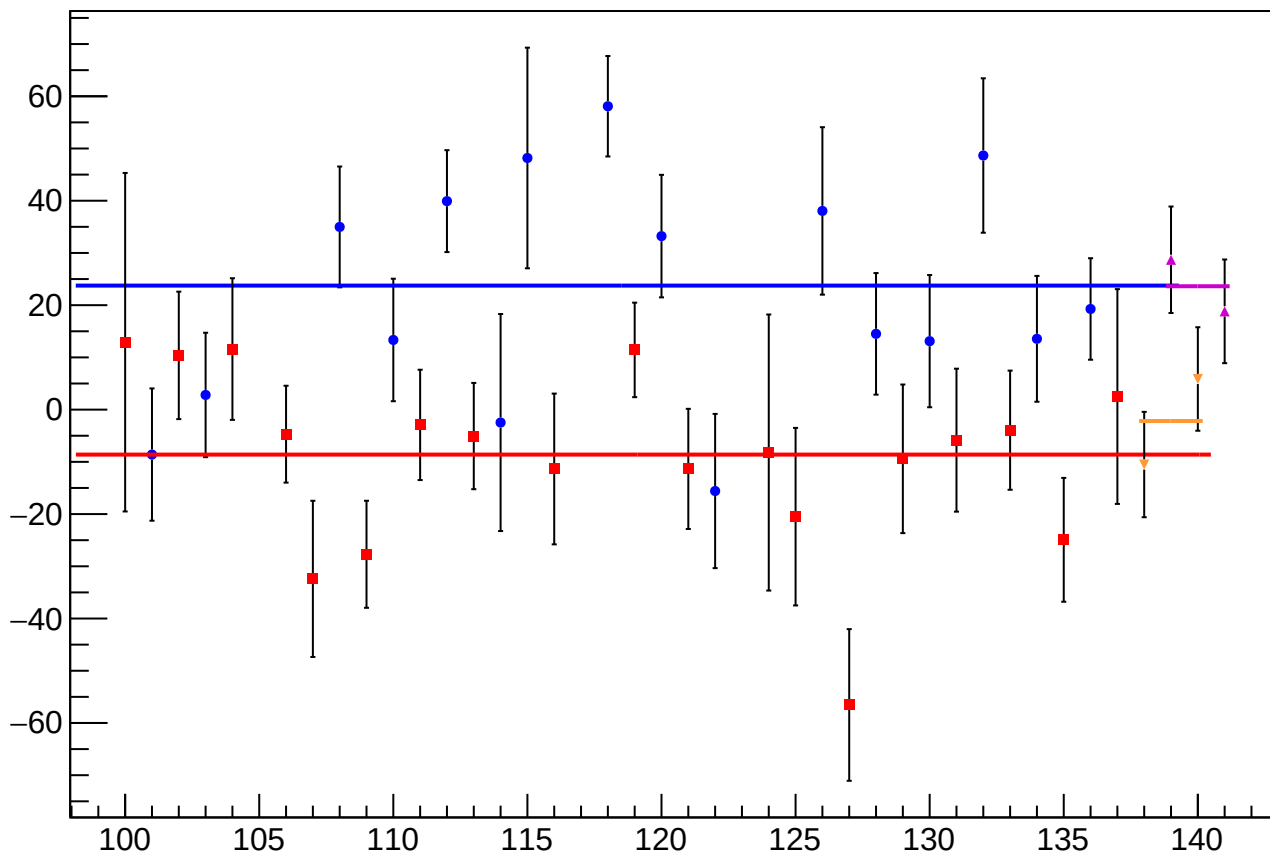
Left In: 1044.973 $\pm$ 0.562 χ^2 /NDF:644.5/1

+ sign 1188.207 $\pm$ 0.284 χ^2 /NDF: 186459.2/17

All: 1185.846 $\pm$ 0.198 χ^2 /NDF: 349827.0/38

- sign 1183.603 $\pm$ 0.277 χ^2 /NDF: 163232.8/20

diff_bpm0l09X_mean vs Slug



Right In: 23.750 ± 3.081 χ^2/NDF : 43.4/15

Left Out: -2.180 ± 7.069 χ^2/NDF : 1.3/1

Right Out: -8.609 ± 2.899 χ^2/NDF : 30.5/18

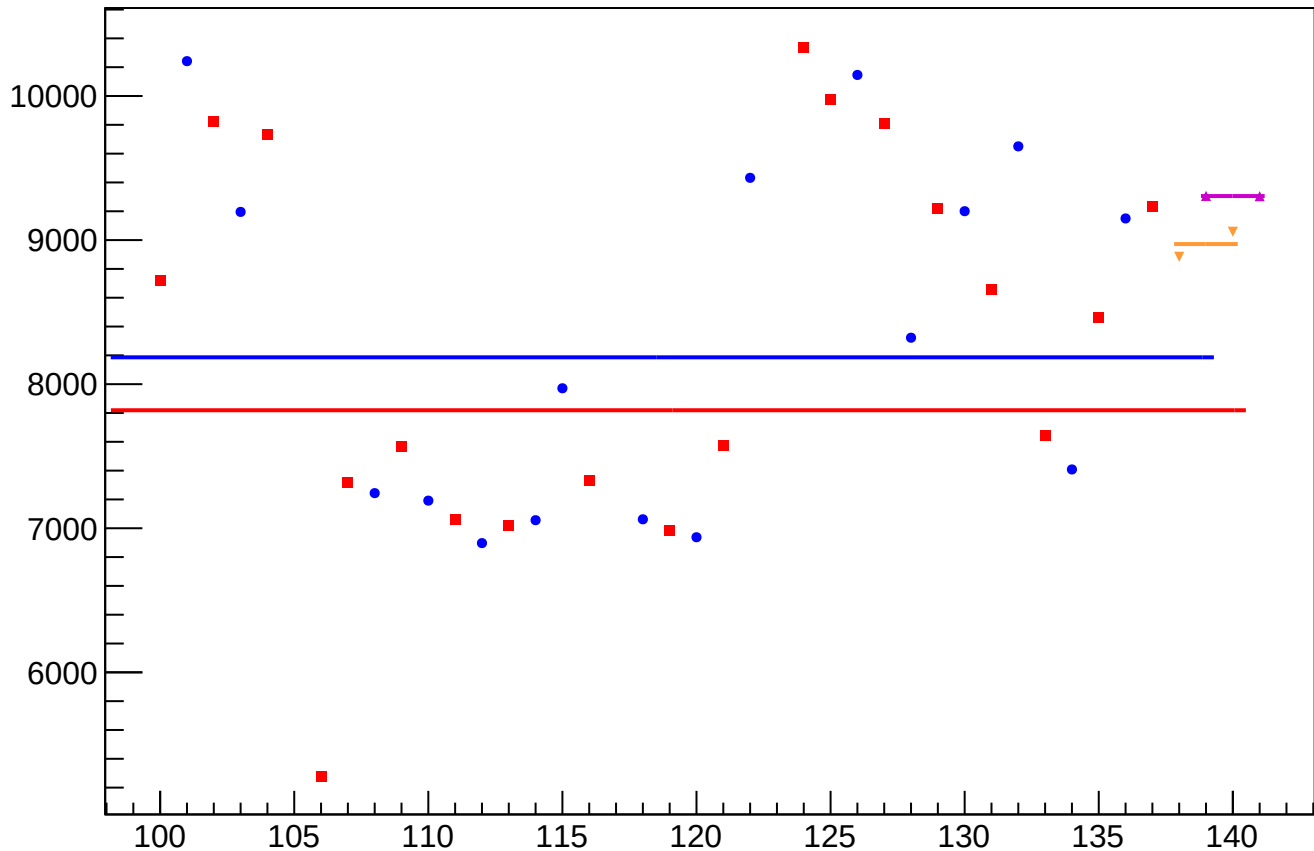
Left In: 23.625 ± 7.110 χ^2/NDF : 0.5/1

+ sign 19.610 ± 2.825 χ^2/NDF : 56.1/17

All: 7.197 ± 1.946 χ^2/NDF : 141.4/38

- sign -4.014 ± 2.684 χ^2/NDF : 48.6/20

diff_bpm0l09X_rms vs Slug



Right In: 8186.361 $\pm$ 2.179 χ^2 /NDF: 290628.8/15

Left Out: 8972.437 $\pm$ 4.999 χ^2 /NDF:302.5/1

Right Out: 7818.965 $\pm$ 2.050 χ^2 /NDF: 422998.1/18

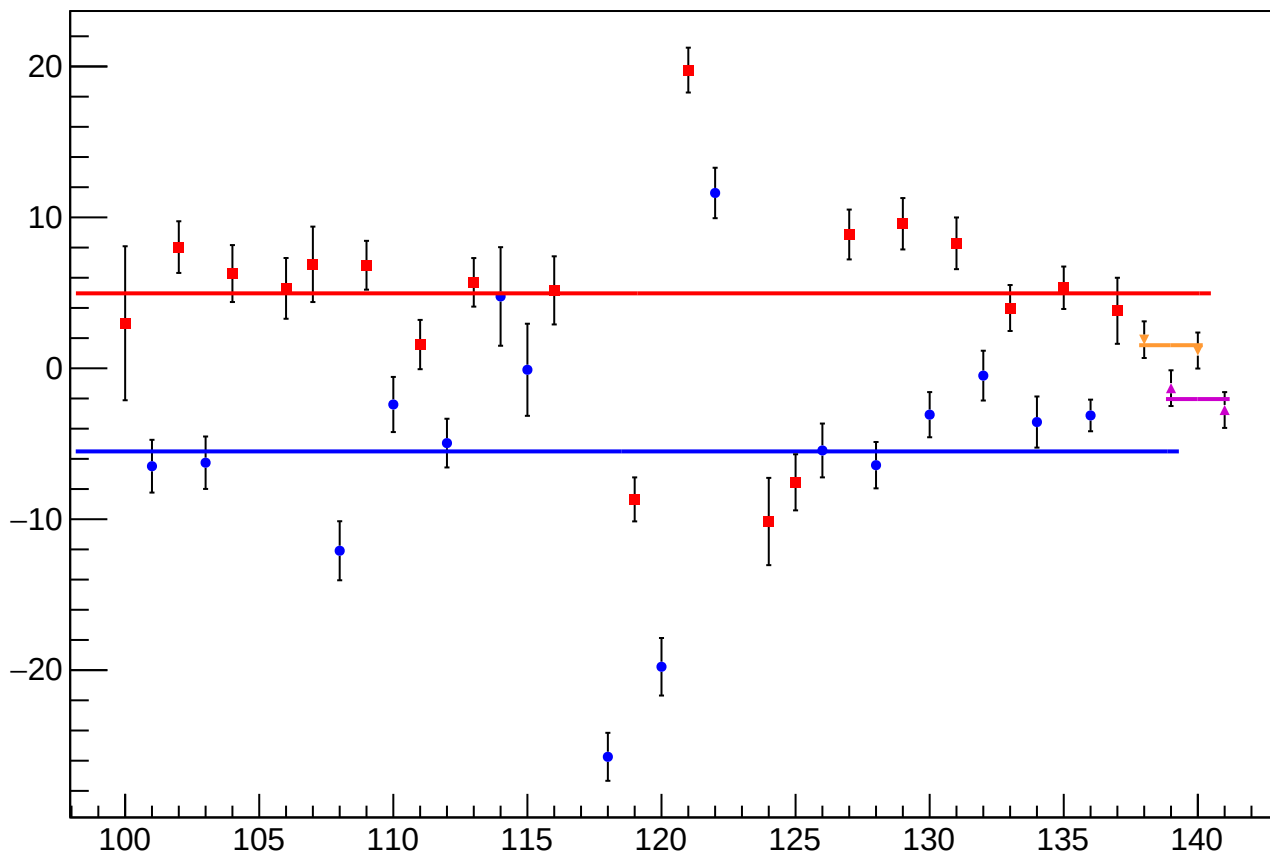
Left In: 9305.678 $\pm$ 5.028 χ^2 /NDF:0.0/1

+ sign 8311.866 $\pm$ 1.997 χ^2 /NDF: 311711.9/17

All: 8164.224 $\pm$ 1.376 χ^2 /NDF: 820084.8/38

- sign 8030.882 $\pm$ 1.898 χ^2 /NDF: 497974.6/20

diff_bpm0l09Y_mean vs Slug



Right In: -5.506 ± 0.421 χ^2/NDF : 369.8/15

Left Out: 1.531 ± 0.851 χ^2/NDF : 0.2/1

Right Out: 4.967 ± 0.410 χ^2/NDF : 287.3/18

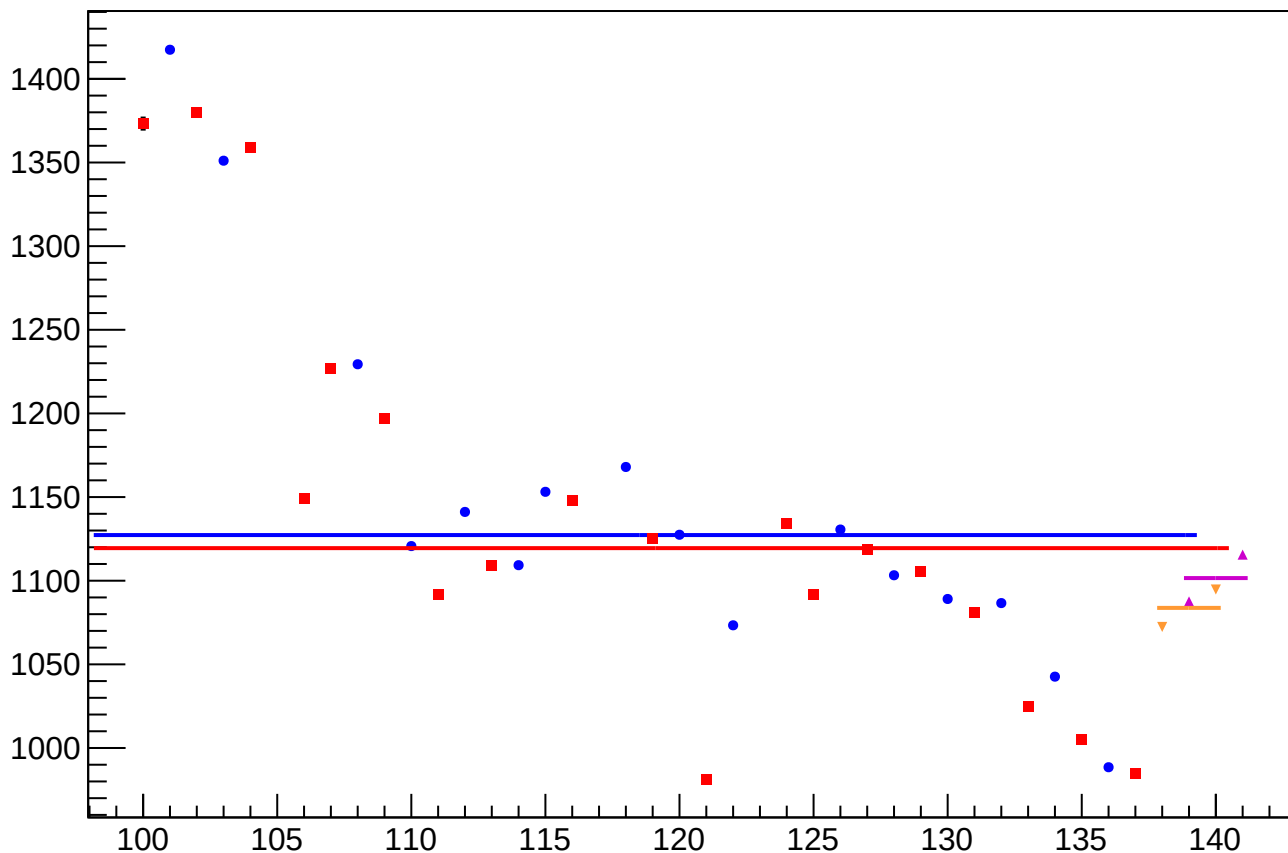
Left In: -2.038 ± 0.838 χ^2/NDF : 0.7/1

+ sign -4.124 ± 0.377 χ^2/NDF : 424.9/17

All: -0.165 ± 0.264 χ^2/NDF : 984.5/38

- sign 3.612 ± 0.369 χ^2/NDF : 344.4/20

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF : 140615.8/15

Left Out: 1083.753+/-0.602 χ^2/NDF : 345.4/1

Right Out: 1119.473+/-0.290 χ^2/NDF : 140736.0/18

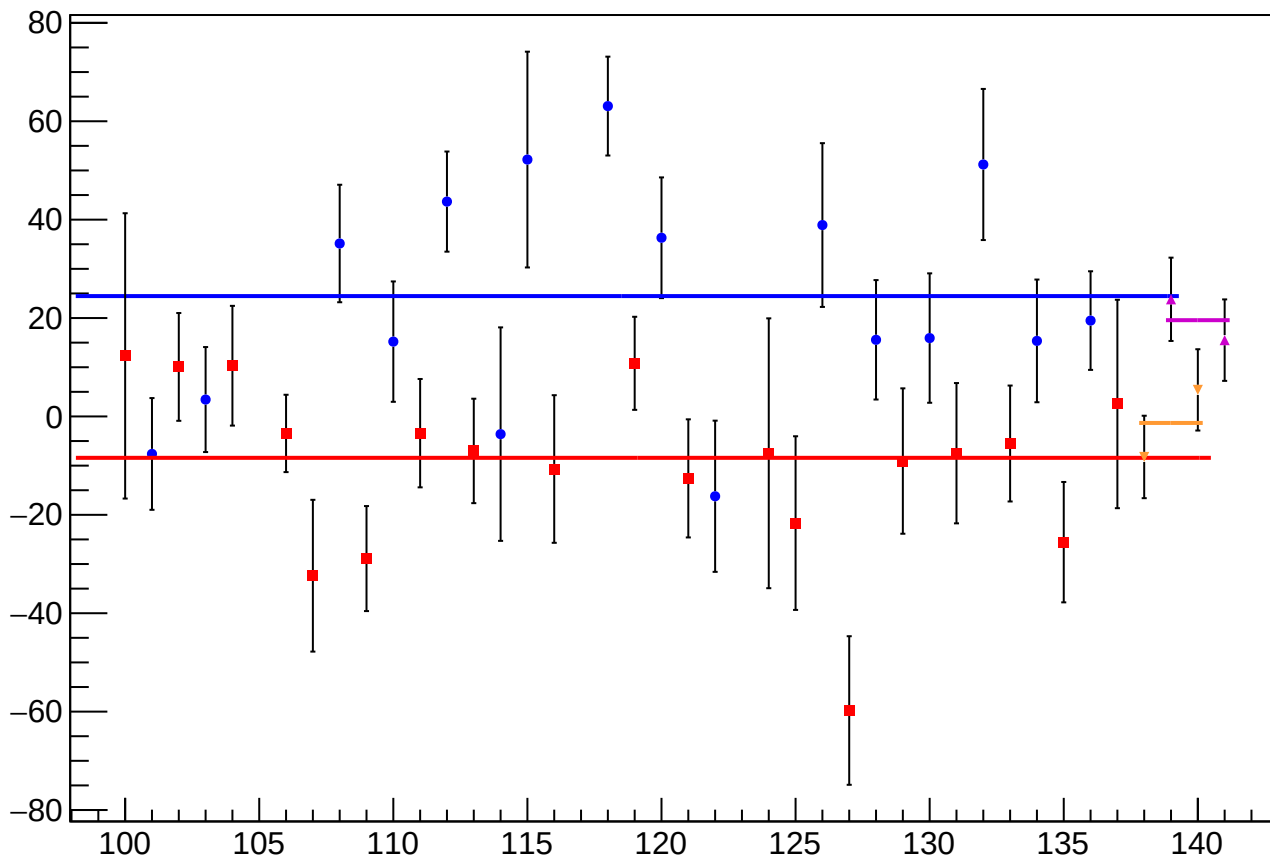
Left In: 1101.575+/-0.593 χ^2/NDF : 557.4/1

+ sign 1118.735+/-0.267 χ^2/NDF : 145166.2/17

All: 1117.341+/-0.186 χ^2/NDF : 287249.0/38

- sign 1116.011+/-0.261 χ^2/NDF : 142029.4/20

diff_bpm0l10X_mean vs Slug



Right In: 24.463 $\pm$ 3.136 χ^2 /NDF: 48.3/15

Left Out: -1.323 $\pm$ 5.884 χ^2 /NDF: 1.3/1

Right Out: -8.413 $\pm$ 2.891 χ^2 /NDF: 31.1/18

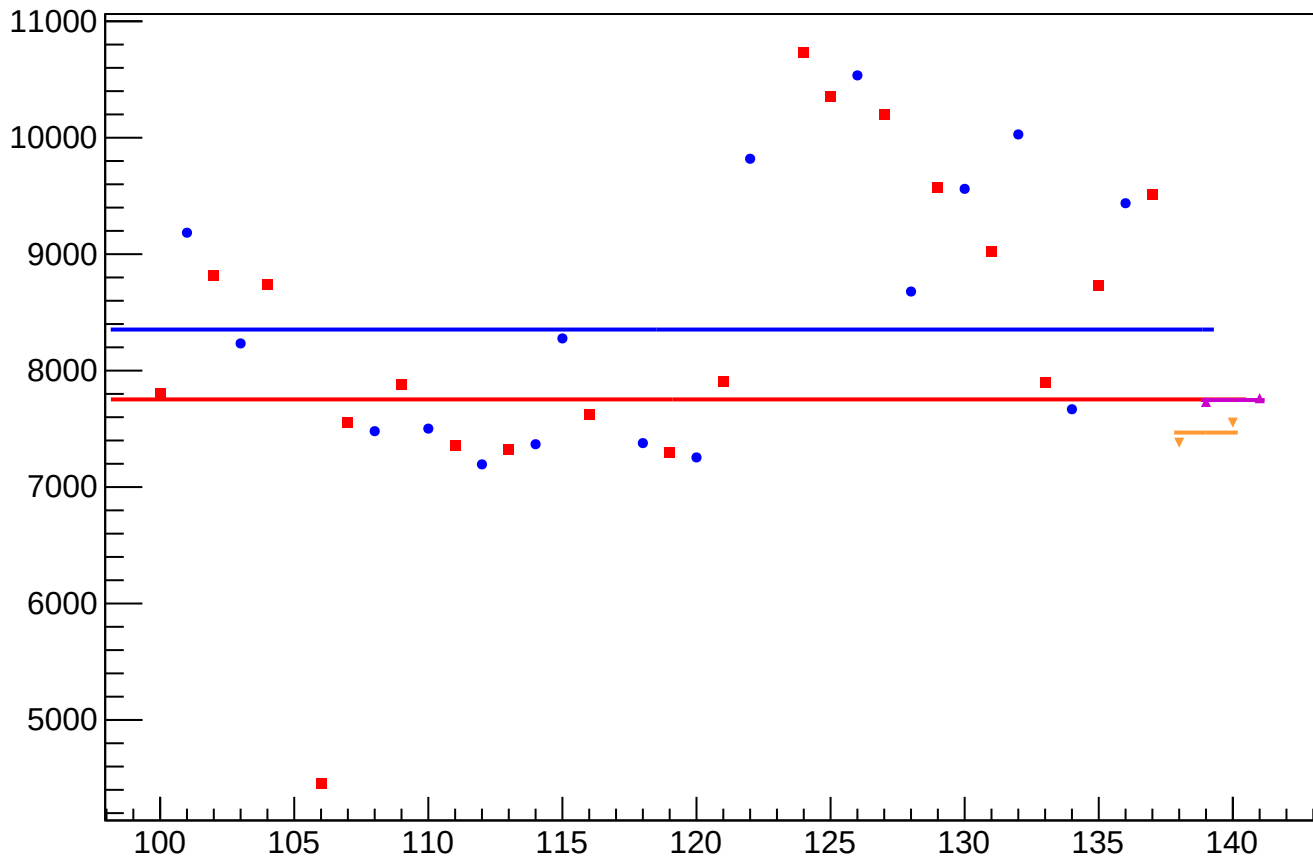
Left In: 19.566 $\pm$ 5.920 χ^2 /NDF: 0.5/1

+ sign 18.758 $\pm$ 2.768 χ^2 /NDF: 64.6/17

All: 7.178 $\pm$ 1.894 χ^2 /NDF: 147.2/38

- sign -3.025 $\pm$ 2.598 χ^2 /NDF: 49.7/20

diff_bpm0l10X_rms vs Slug



Right In: 8352.758 $\pm$ 2.218 χ^2 /NDF: 220412.5/15

Left Out: 7468.081 $\pm$ 4.160 χ^2 /NDF: 429.8/1

Right Out: 7752.674 $\pm$ 2.044 χ^2 /NDF: 588072.1/18

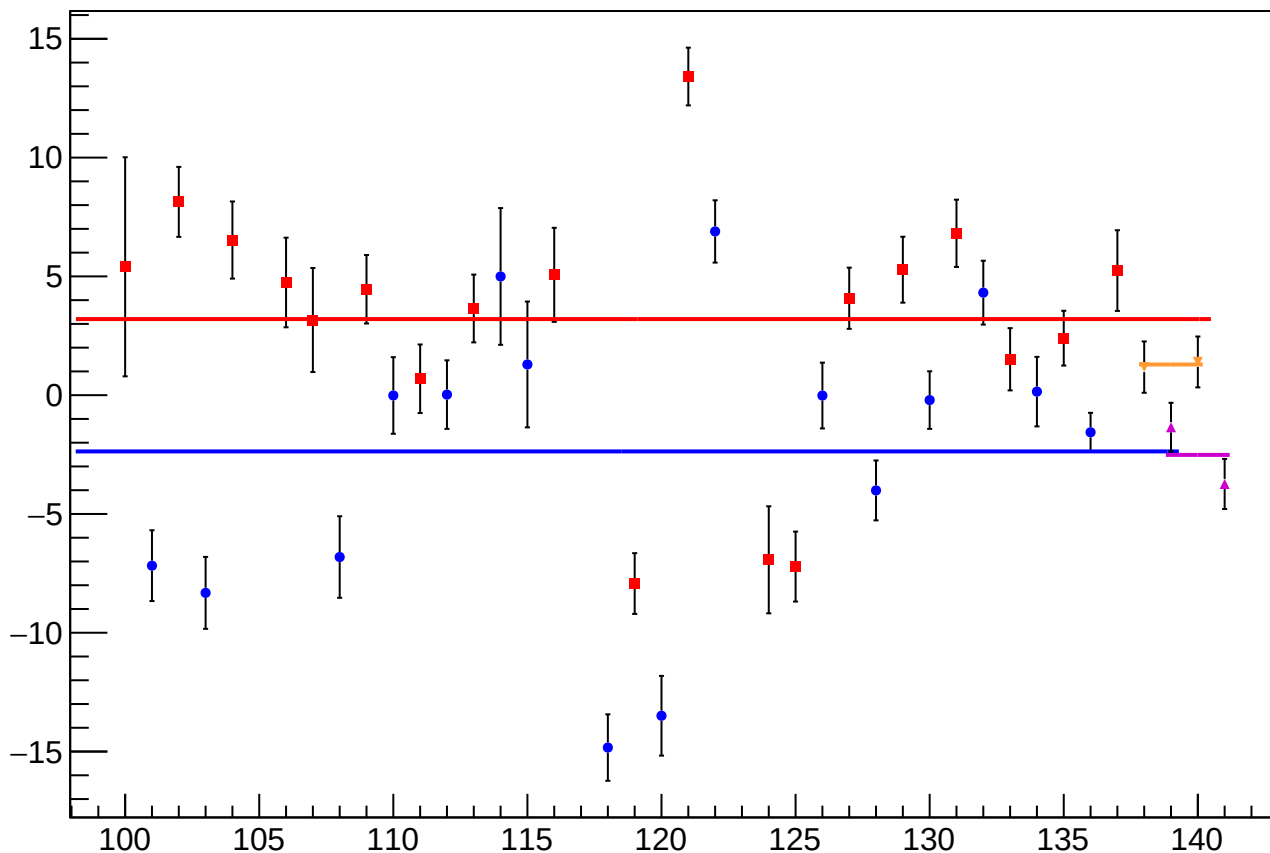
Left In: 7747.588 $\pm$ 4.186 χ^2 /NDF: 14.4/1

+ sign 8157.021 $\pm$ 1.957 χ^2 /NDF: 256054.7/17

All: 7941.541 $\pm$ 1.339 χ^2 /NDF: 866948.6/38

- sign 7751.694 $\pm$ 1.837 χ^2 /NDF: 588087.7/20

diff_bpm0l10Y_mean vs Slug



Right In: -2.368 ± 0.350 χ^2/NDF : 255.6/15

Left Out: 1.291 ± 0.760 χ^2/NDF : 0.0/1

Right Out: 3.203 ± 0.346 χ^2/NDF : 250.5/18

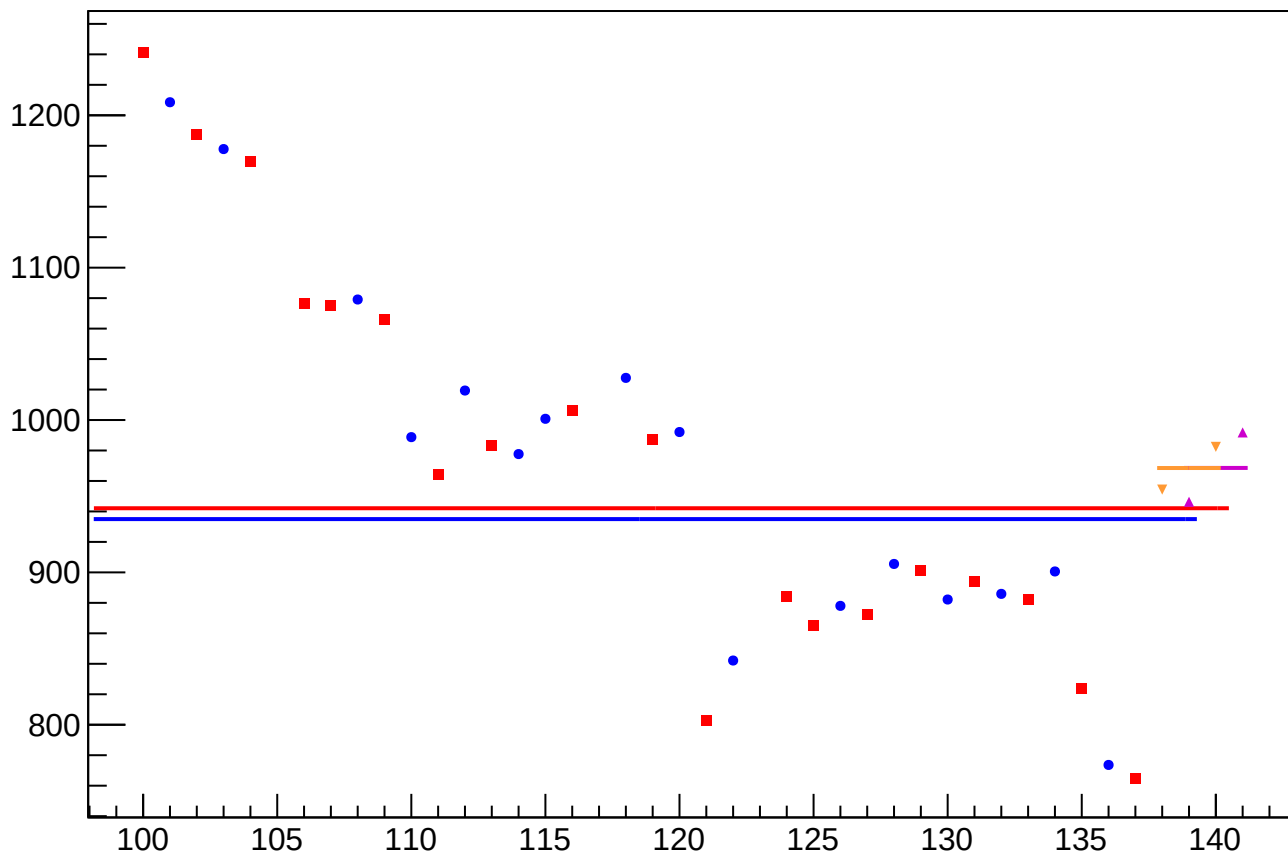
Left In: -2.514 ± 0.736 χ^2/NDF : 2.6/1

+ sign -1.727 ± 0.318 χ^2/NDF : 274.7/17

All: 0.250 ± 0.223 χ^2/NDF : 653.2/38

- sign 2.167 ± 0.313 χ^2/NDF : 302.5/20

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

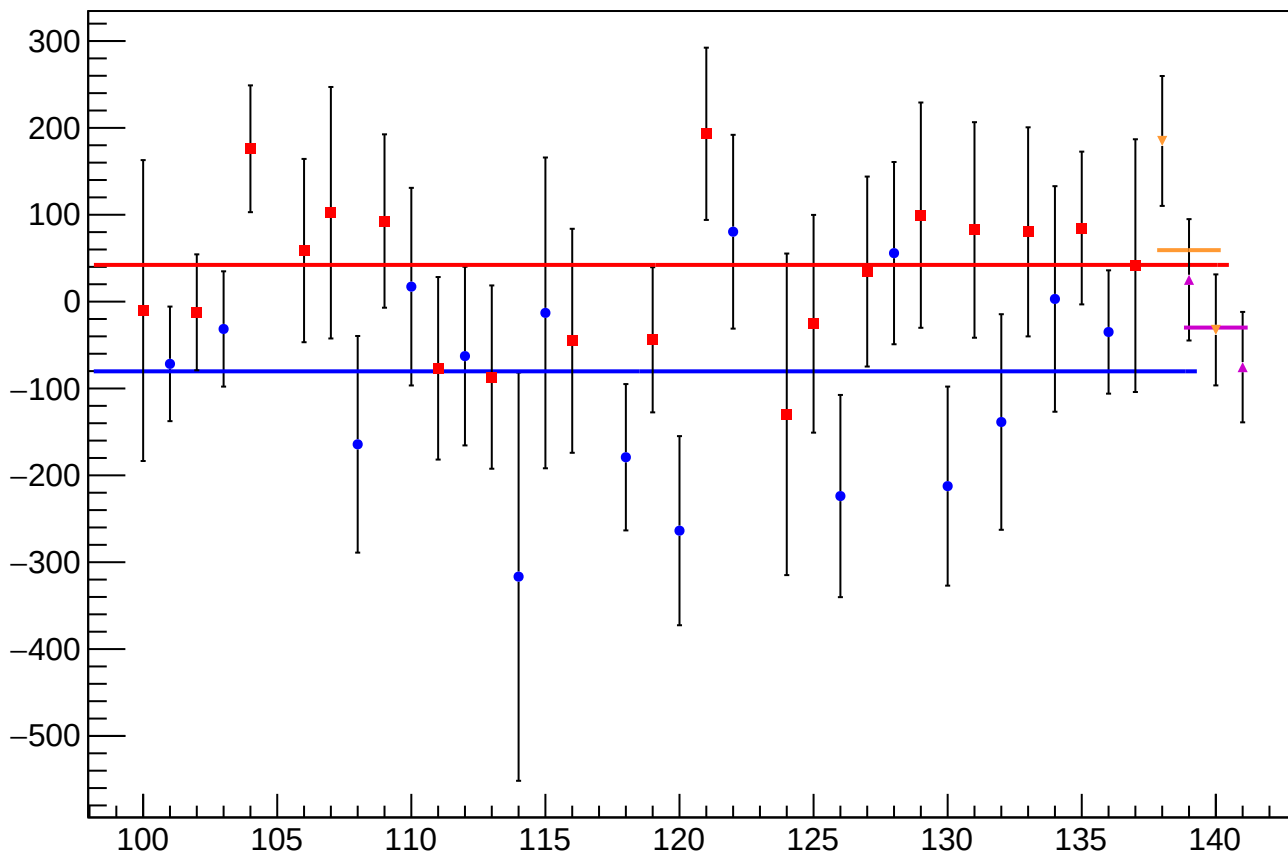
Left In: 968.553 $\pm$ 0.521 χ^2/NDF : 1908.0/1

+ sign 940.847 $\pm$ 0.225 χ^2/NDF : 258249.4/17

All: 943.914 $\pm$ 0.158 χ^2/NDF : 495091.0/38

- sign 946.889 $\pm$ 0.222 χ^2/NDF : 236475.7/20

diff_bpm0r03X_mean vs Slug



Right In: -80.250 ± 24.909 χ^2/NDF : 14.8/15

Left Out: 59.254 ± 48.582 χ^2/NDF : 4.9/1

Right Out: 42.263 ± 24.144 χ^2/NDF : 13.0/18

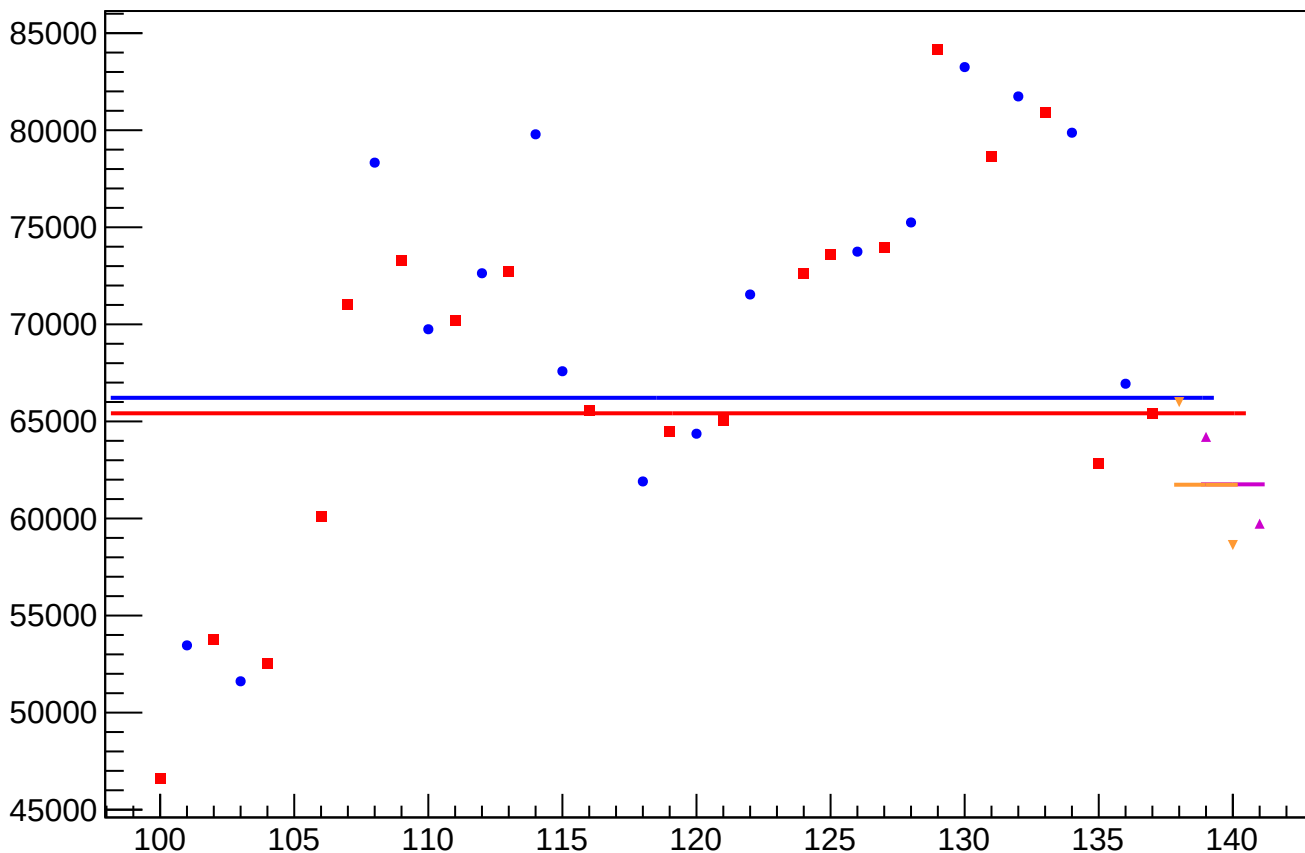
Left In: -29.885 ± 47.020 χ^2/NDF : 1.1/1

+ sign -51.211 ± 22.165 χ^2/NDF : 26.2/17

All: -10.767 ± 15.425 χ^2/NDF : 48.7/38

- sign 27.209 ± 21.478 χ^2/NDF : 16.0/20

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

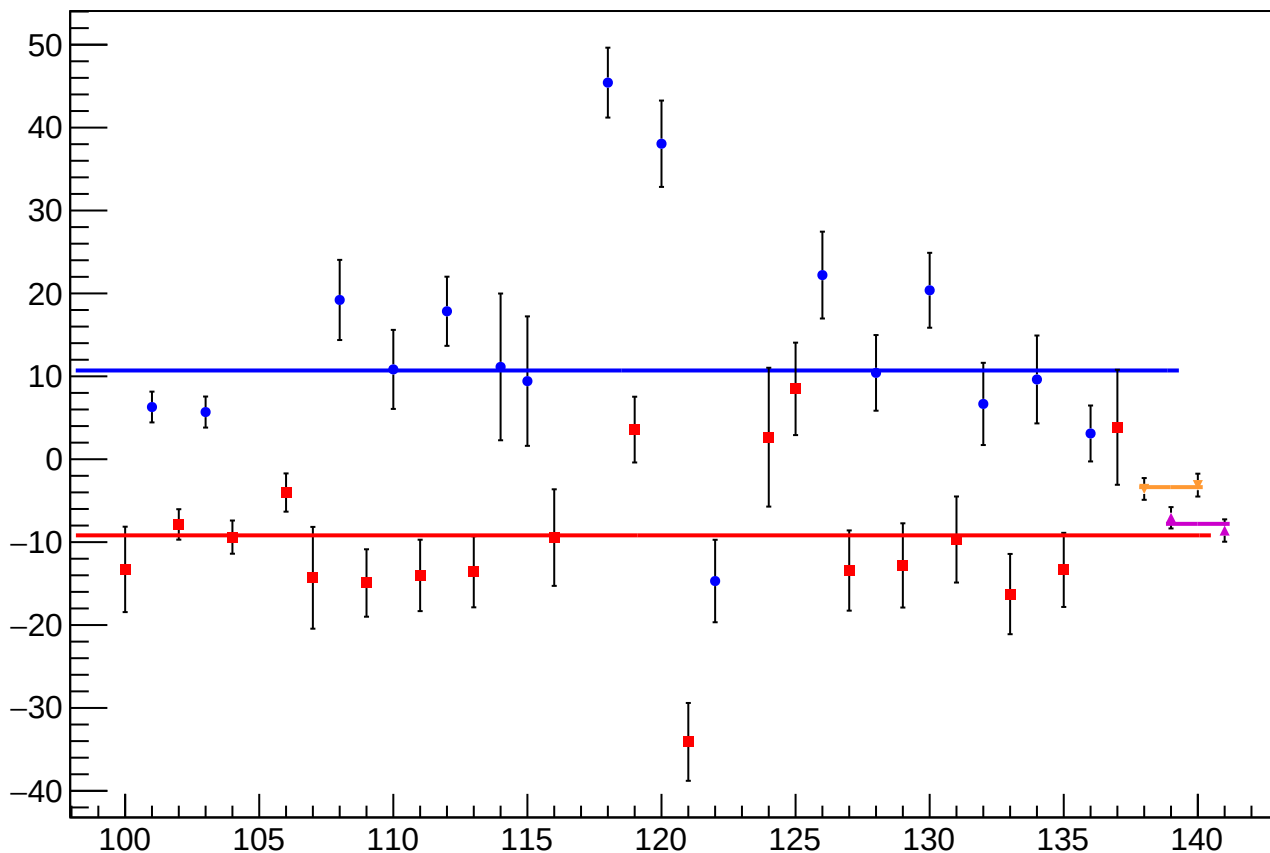
Left In: 61758.573+/-33.248 χ^2/NDF : 4482.5/1

+ sign 65284.220+/-15.673 χ^2/NDF : 363029.2/17

All: 64959.626+/-10.907 χ^2/NDF : 682488.6/3

- sign 64654.842+/-15.187 χ^2/NDF : 318627.7/20

diff_bpm0r03Y_mean vs Slug



Right In: 10.705 ± 0.921 χ^2/NDF : 155.6/15

Left Out: -3.364 ± 0.950 χ^2/NDF : 0.1/1

Right Out: -9.182 ± 0.850 χ^2/NDF : 69.6/18

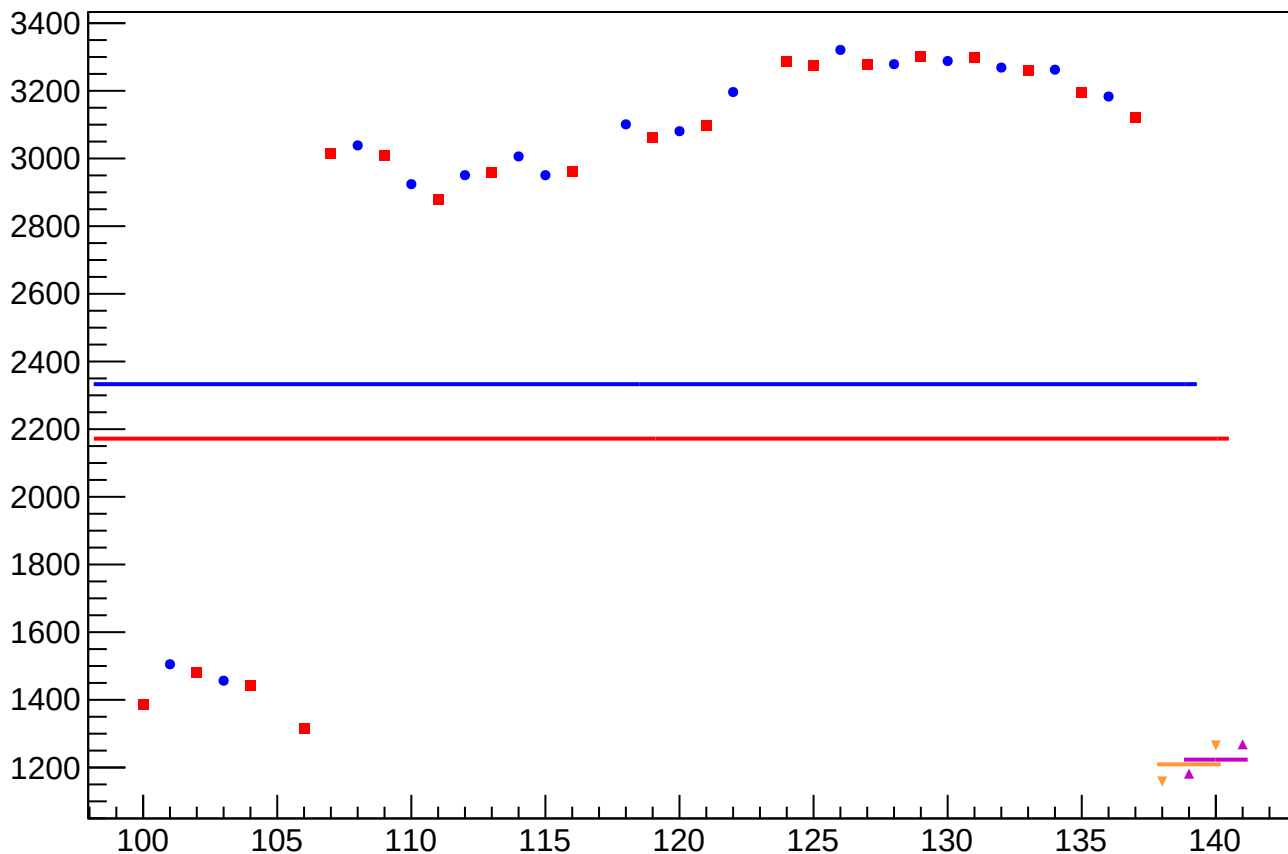
Left In: -7.794 ± 0.931 χ^2/NDF : 0.7/1

+ sign 3.895 ± 0.661 χ^2/NDF : 268.7/17

All: -2.650 ± 0.455 χ^2/NDF : 526.4/38

- sign -8.552 ± 0.628 χ^2/NDF : 71.5/20

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF : 1651407.8/15

Left Out: 1209.315+/-0.672 χ^2/NDF : 6257.0/1

Right Out: 2172.041+/-0.601 χ^2/NDF : 1984197.6/18

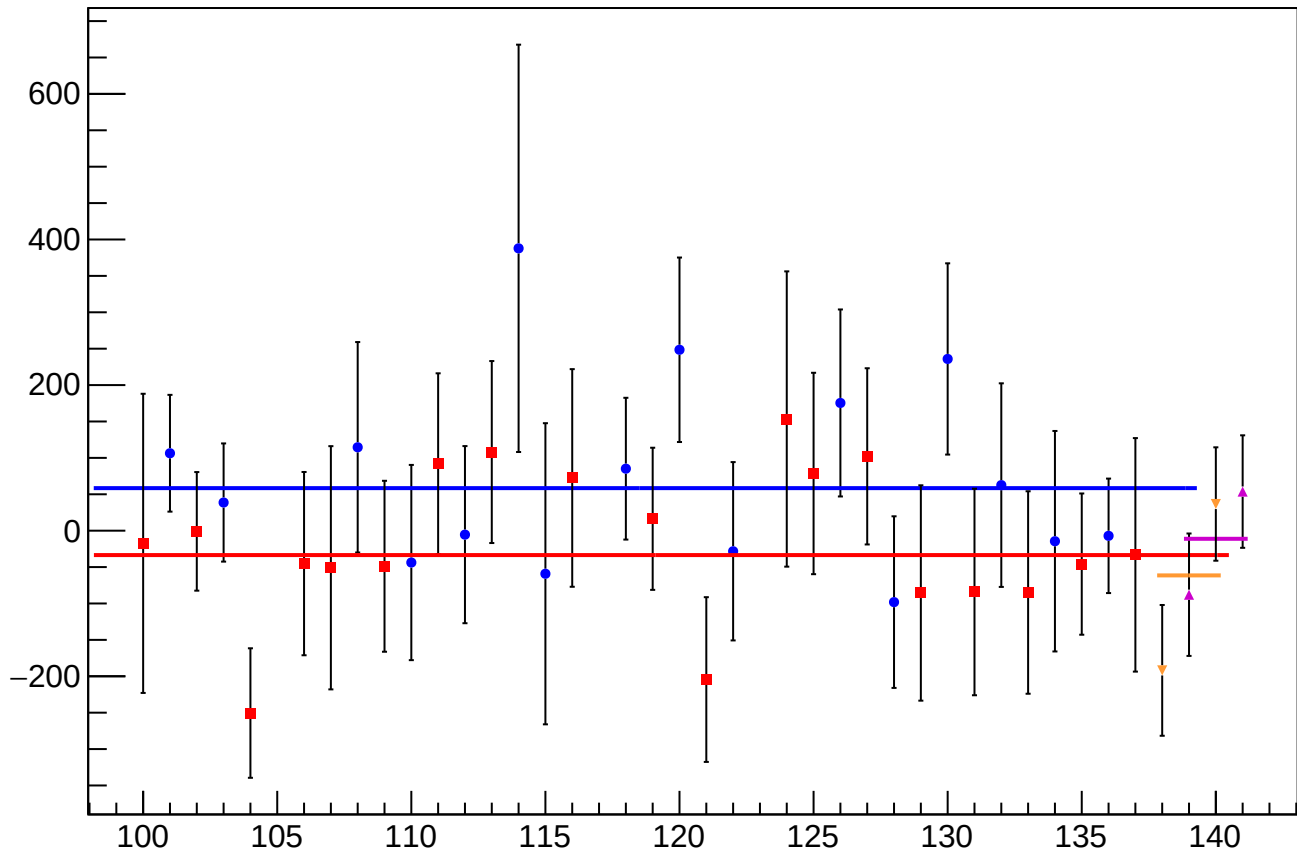
Left In: 1223.297+/-0.659 χ^2/NDF : 4327.1/1

+ sign 1789.139+/-0.468 χ^2/NDF : 3100088.8/17

All: 1763.715+/-0.322 χ^2/NDF : 6226452.8/38

- sign 1740.794+/-0.444 χ^2/NDF : 3120742.2/20

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

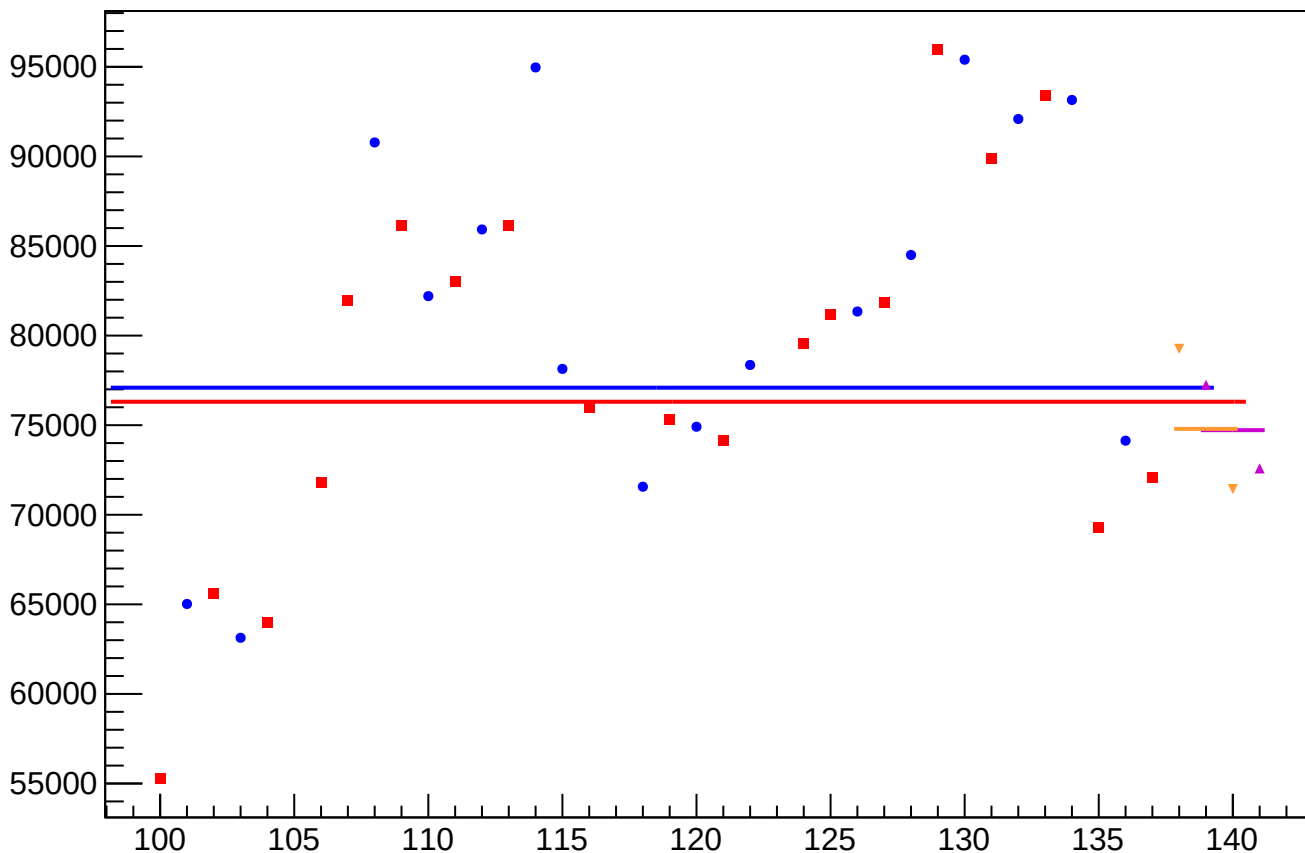
Left In: -11.156 $\pm$ 56.894 χ^2 /NDF: 1.5/1

+ sign 35.124 $\pm$ 25.953 χ^2 /NDF: 18.3/17

All: 2.048 $\pm$ 18.079 χ^2 /NDF: 37.8/38

- sign -29.133 $\pm$ 25.199 χ^2 /NDF: 16.3/20

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

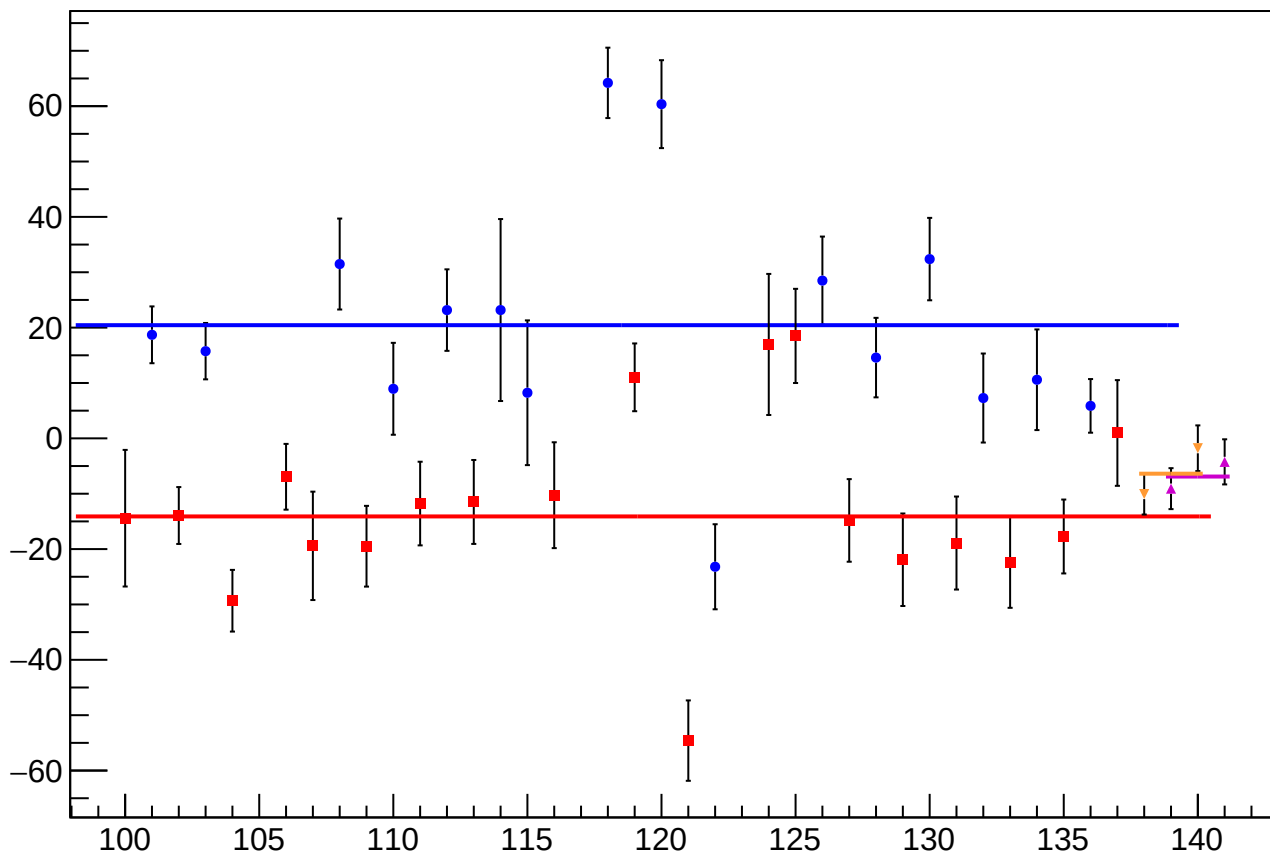
Left In: 74722.352+/-40.230 χ^2/NDF : 3341.2/1

+ sign 76645.757+/-18.351 χ^2/NDF : 259664.3/17

All: 76312.082+/-12.784 χ^2/NDF : 499330.8/3

- sign 75997.521+/-17.818 χ^2/NDF : 239024.2/20

diff_bpm0r05Y_mean vs Slug



Right In: 20.441 ± 1.782 $\chi^2/\text{NDF}: 127.8/15$

Left Out: -6.383 ± 2.750 $\chi^2/\text{NDF}: 2.2/1$

Right Out: -14.102 ± 1.714 $\chi^2/\text{NDF}: 83.8/18$

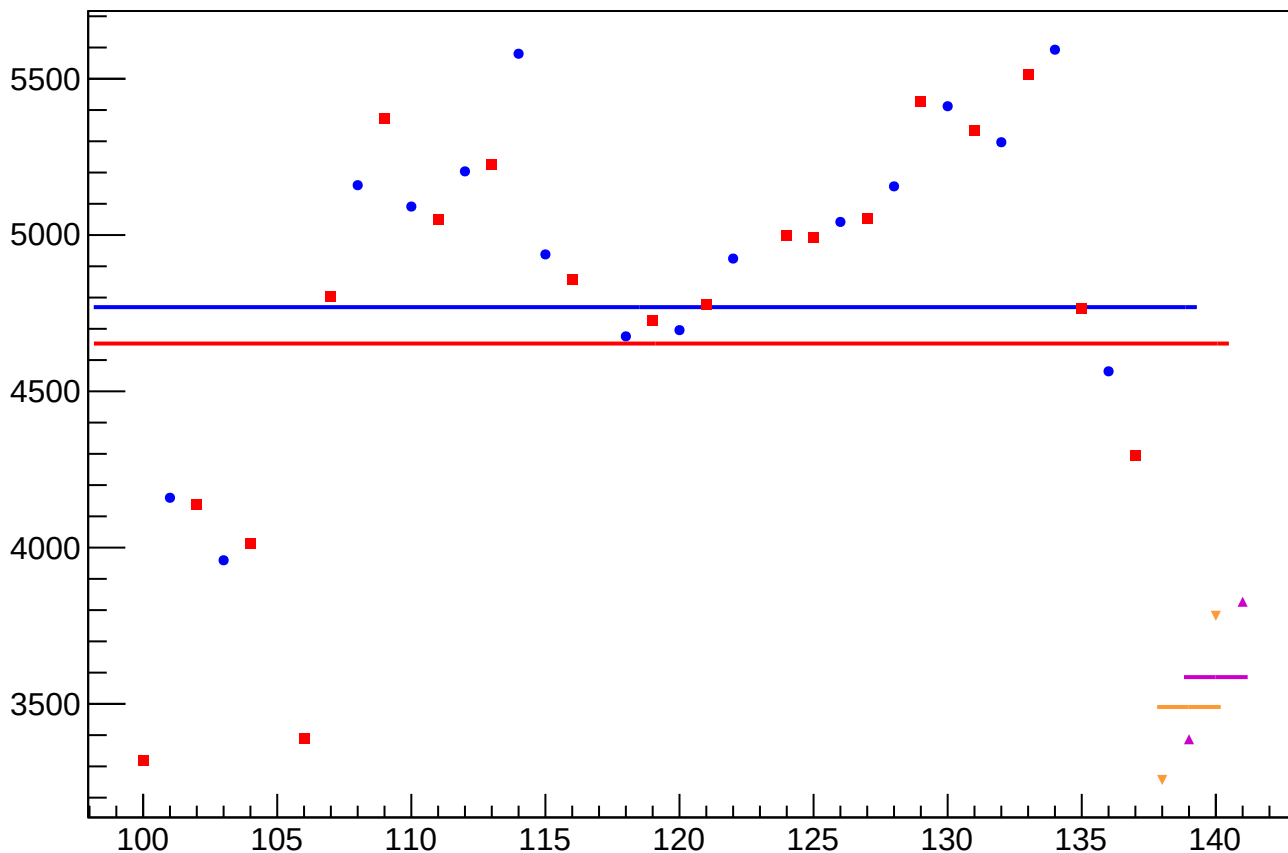
Left In: -6.898 ± 2.739 $\chi^2/\text{NDF}: 0.8/1$

+ sign 12.508 ± 1.495 $\chi^2/\text{NDF}: 197.1/17$

All: -0.140 ± 1.042 $\chi^2/\text{NDF}: 425.6/38$

- sign -12.075 ± 1.453 $\chi^2/\text{NDF}: 89.5/20$

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

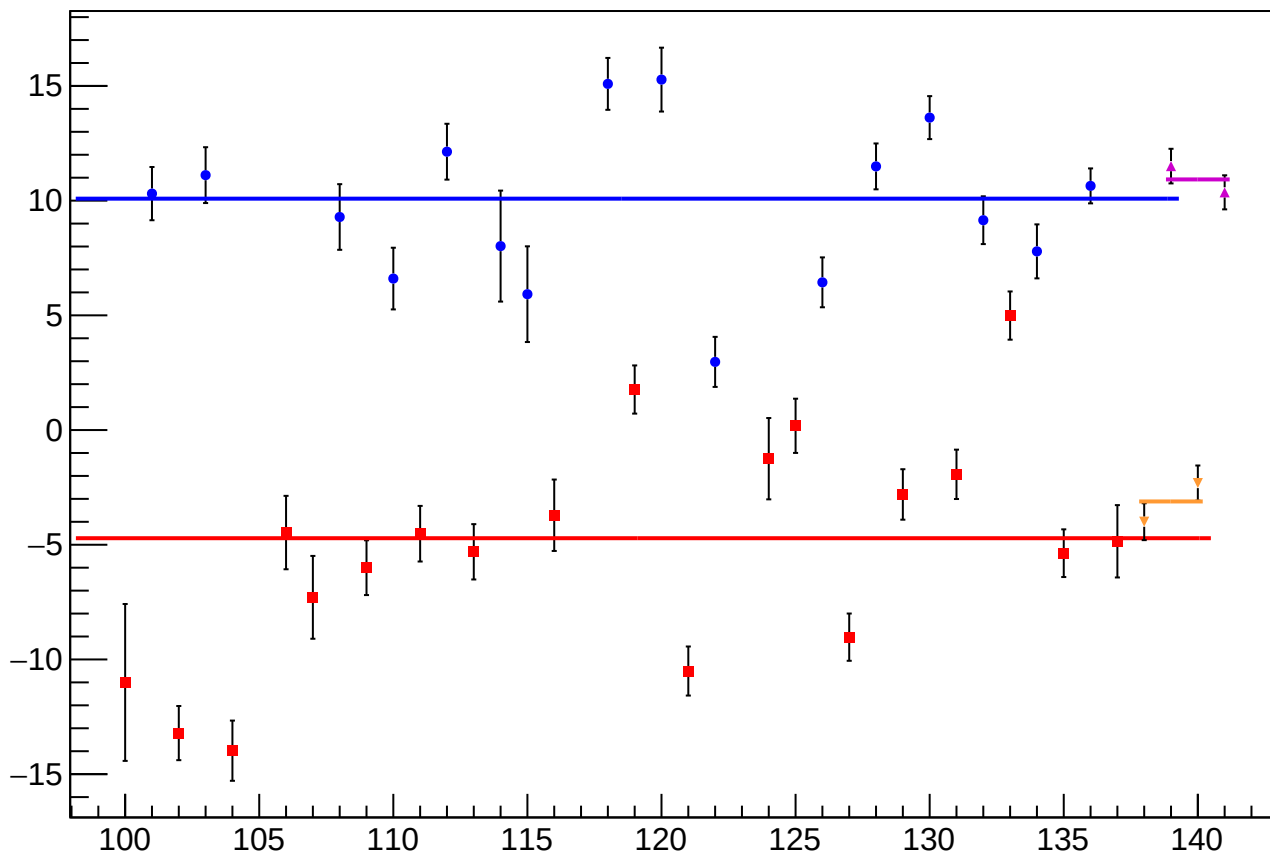
Left In: 3585.682+/-1.937 χ^2/NDF : 12785.7/1

+ sign 4391.023+/-1.057 χ^2/NDF : 474559.1/17

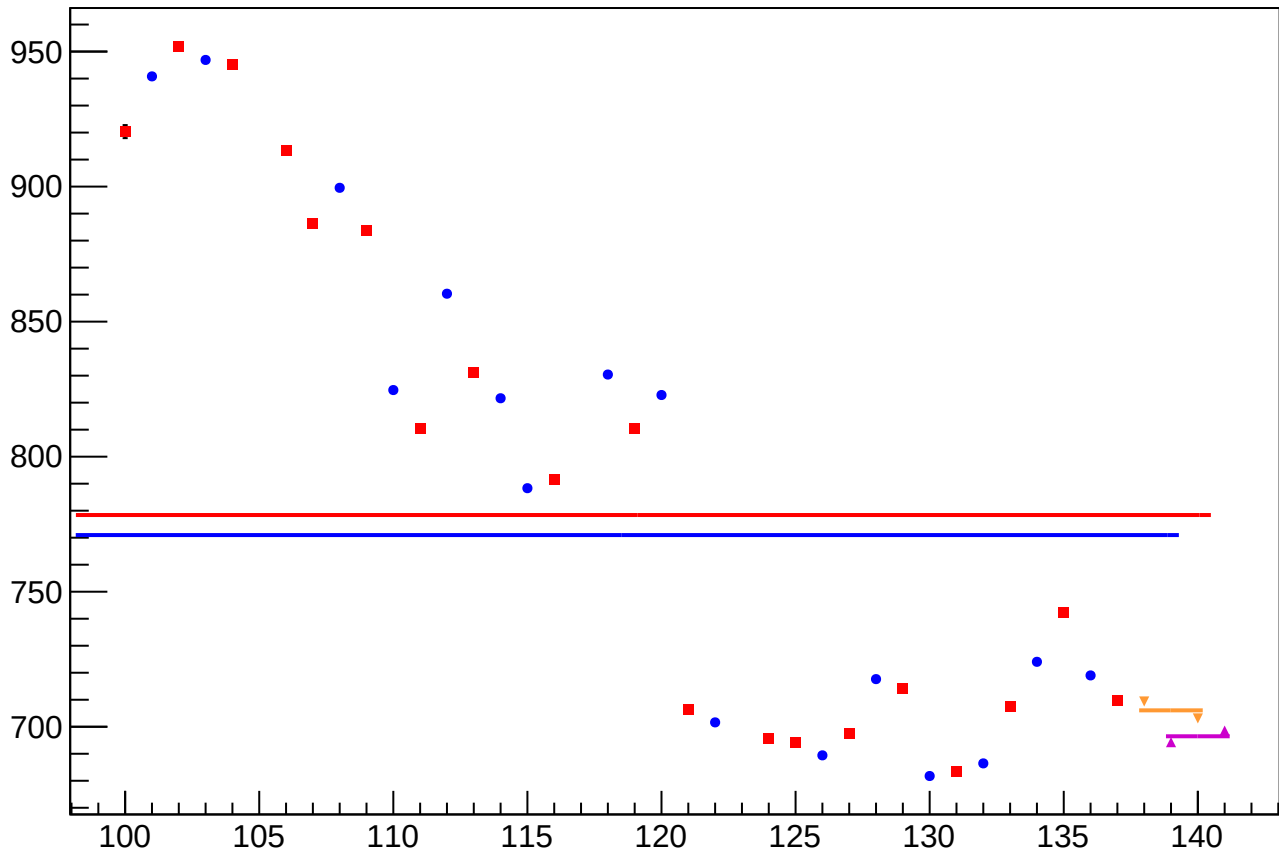
All: 4371.282+/-0.737 χ^2/NDF : 971410.6/38

- sign 4352.653+/-1.027 χ^2/NDF : 496174.0/20

diff_bpm2i01X_mean vs Slug



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

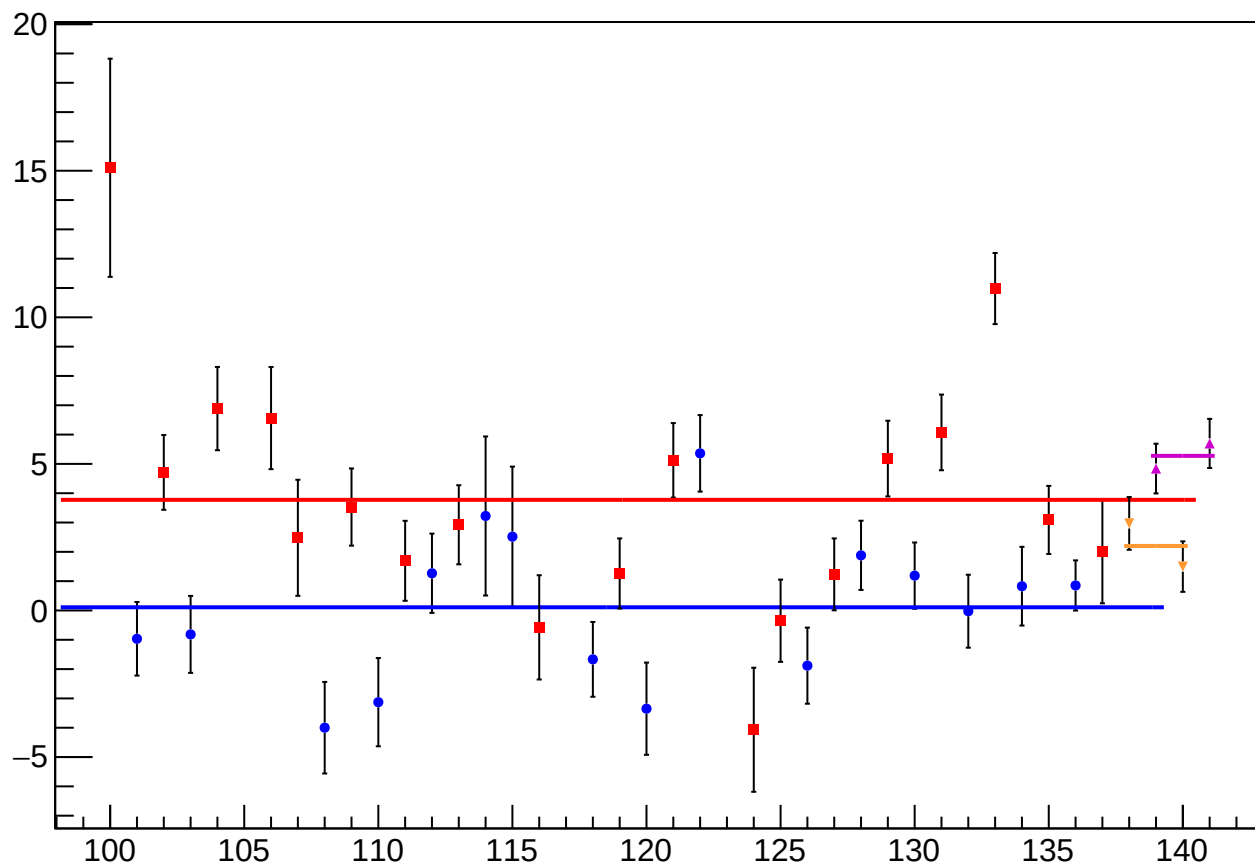
Left In: 696.472 $\pm$ 0.374 χ^2 /NDF:32.9/1

+ sign 757.155 $\pm$ 0.181 χ^2 /NDF: 214544.8/17

All: 758.552 $\pm$ 0.127 χ^2 /NDF: 448341.9/38

- sign 759.902 $\pm$ 0.178 χ^2 /NDF: 233679.9/20

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

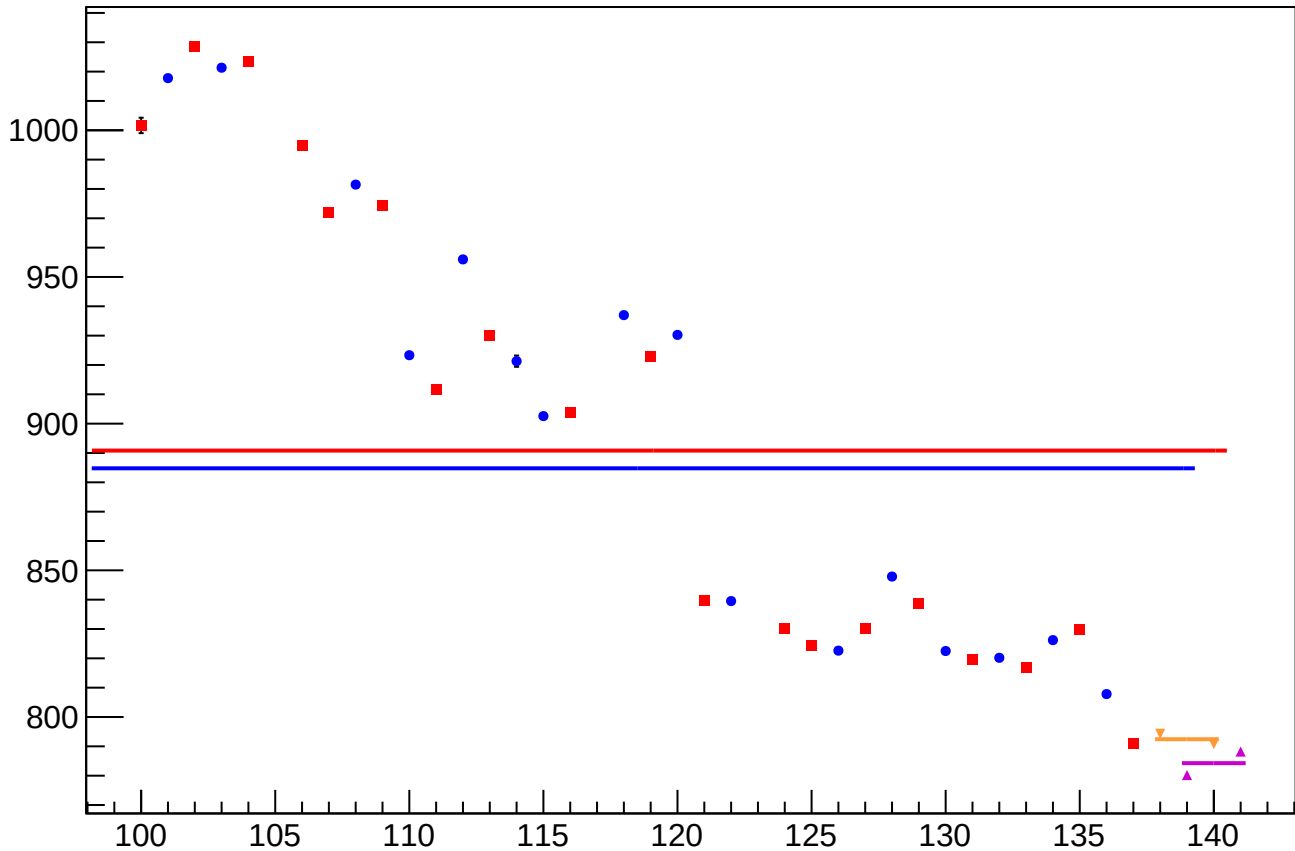
Left In: 5.274 $\pm$ 0.596 χ^2 /NDF:0.5/1

+ sign 0.568 $\pm$ 0.291 χ^2 /NDF: 55.6/17

All: 2.377 $\pm$ 0.204 χ^2 /NDF: 236.2/38

- sign 4.119 $\pm$ 0.286 χ^2 /NDF: 105.0/20

diff_bpm2i01Y_rms vs Slug



Right In: 884.773 $\pm$ 0.233 χ^2 /NDF: 104494.1/15

Left Out: 792.431 $\pm$ 0.440 χ^2 /NDF:16.2/1

Right Out: 890.815 $\pm$ 0.231 χ^2 /NDF: 107763.6/18

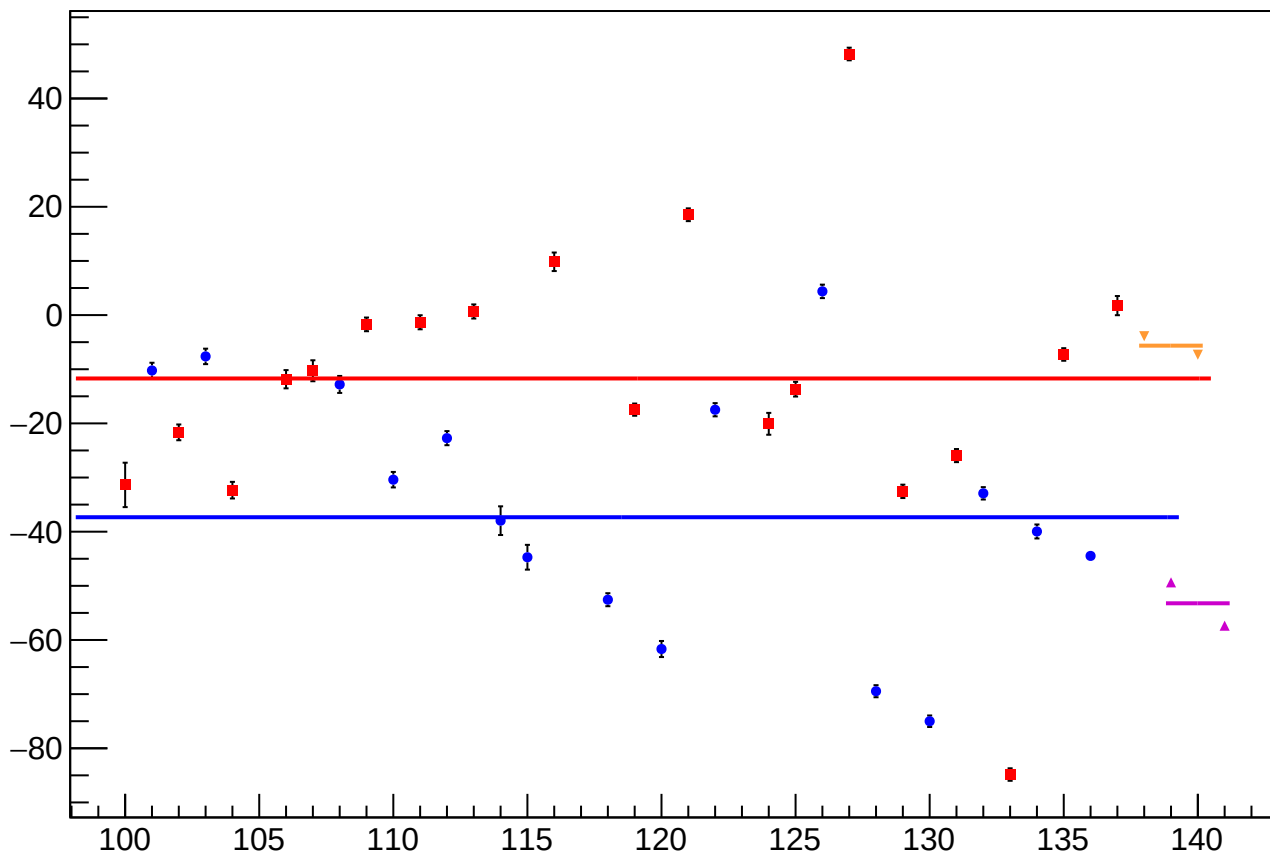
Left In: 784.267 $\pm$ 0.421 χ^2 /NDF:90.1/1

+ sign 864.509 $\pm$ 0.206 χ^2 /NDF: 138897.0/17

All: 865.408 $\pm$ 0.144 χ^2 /NDF: 295978.5/38

- sign 866.274 $\pm$ 0.202 χ^2 /NDF: 157044.1/20

diff_bpm2i02X_mean vs Slug



Right In: -37.330 ± 0.322 χ^2/NDF : 5184.7/15

Left Out: -5.644 ± 0.625 χ^2/NDF : 7.5/1

Right Out: -11.706 ± 0.318 χ^2/NDF : 8463.6/18

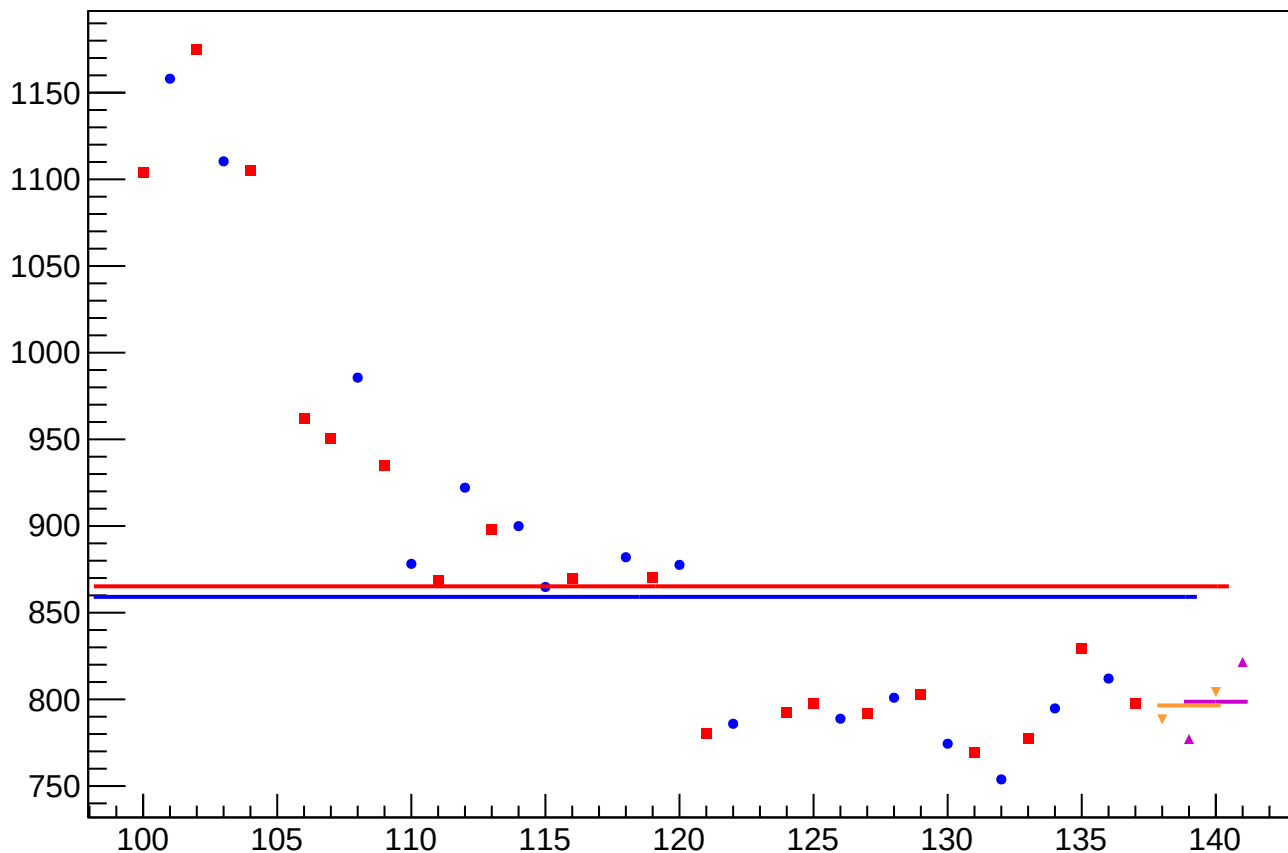
Left In: -53.224 ± 0.607 χ^2/NDF : 43.4/1

+ sign -30.698 ± 0.286 χ^2/NDF : 7222.3/17

All: -25.590 ± 0.201 χ^2/NDF : 20026.9/38

- sign -20.640 ± 0.282 χ^2/NDF : 12177.0/20

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

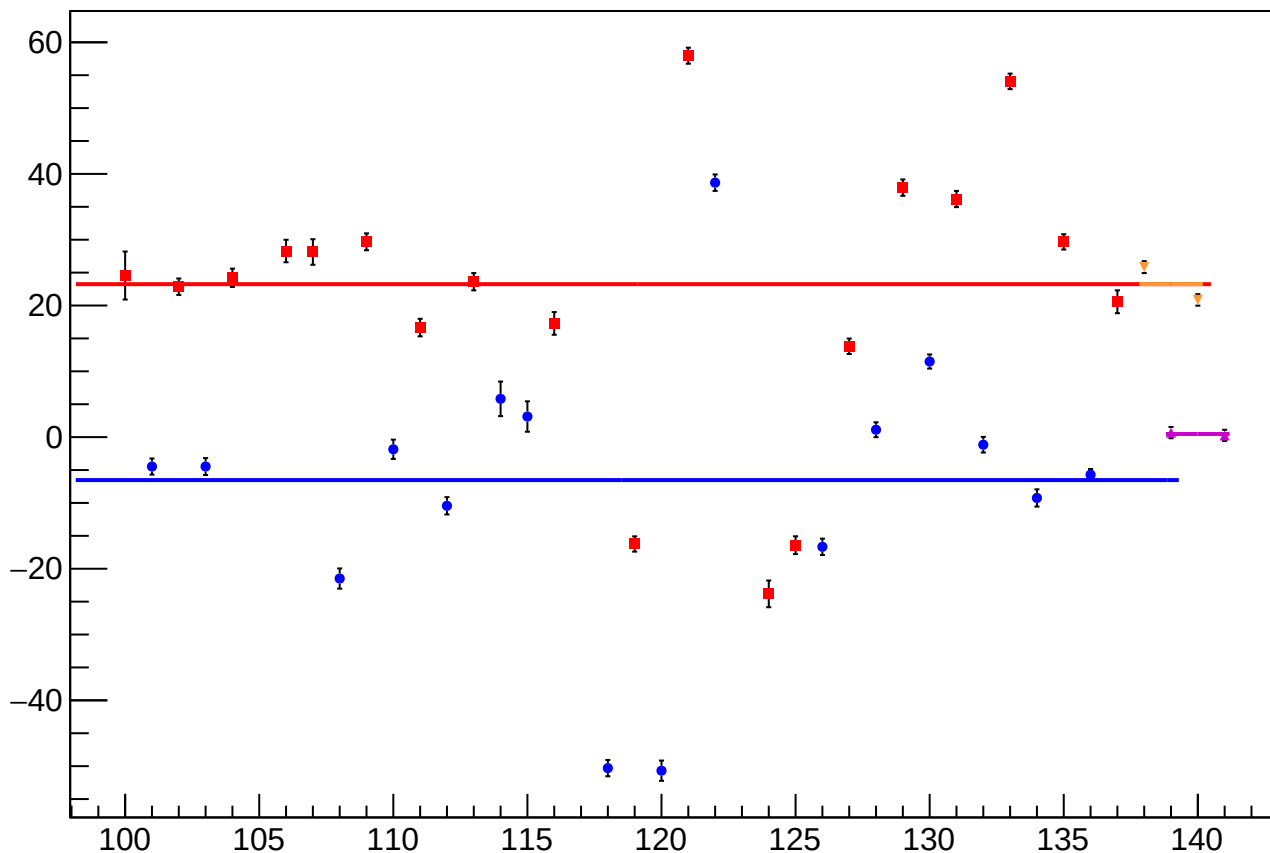
Left In: 798.637 $\pm$ 0.429 χ^2 /NDF:2676.8/1

+ sign 846.016 $\pm$ 0.202 χ^2 /NDF: 244893.3/17

All: 848.490 $\pm$ 0.142 χ^2 /NDF: 490407.3/38

- sign 850.887 $\pm$ 0.199 χ^2 /NDF: 245219.6/20

diff_bpm2i02Y_mean vs Slug



Right In: -6.529 ± 0.321 χ^2/NDF : 3946.1/15

Left Out: 23.258 ± 0.630 χ^2/NDF : 15.6/1

Right Out: 23.244 ± 0.317 χ^2/NDF : 4470.0/18

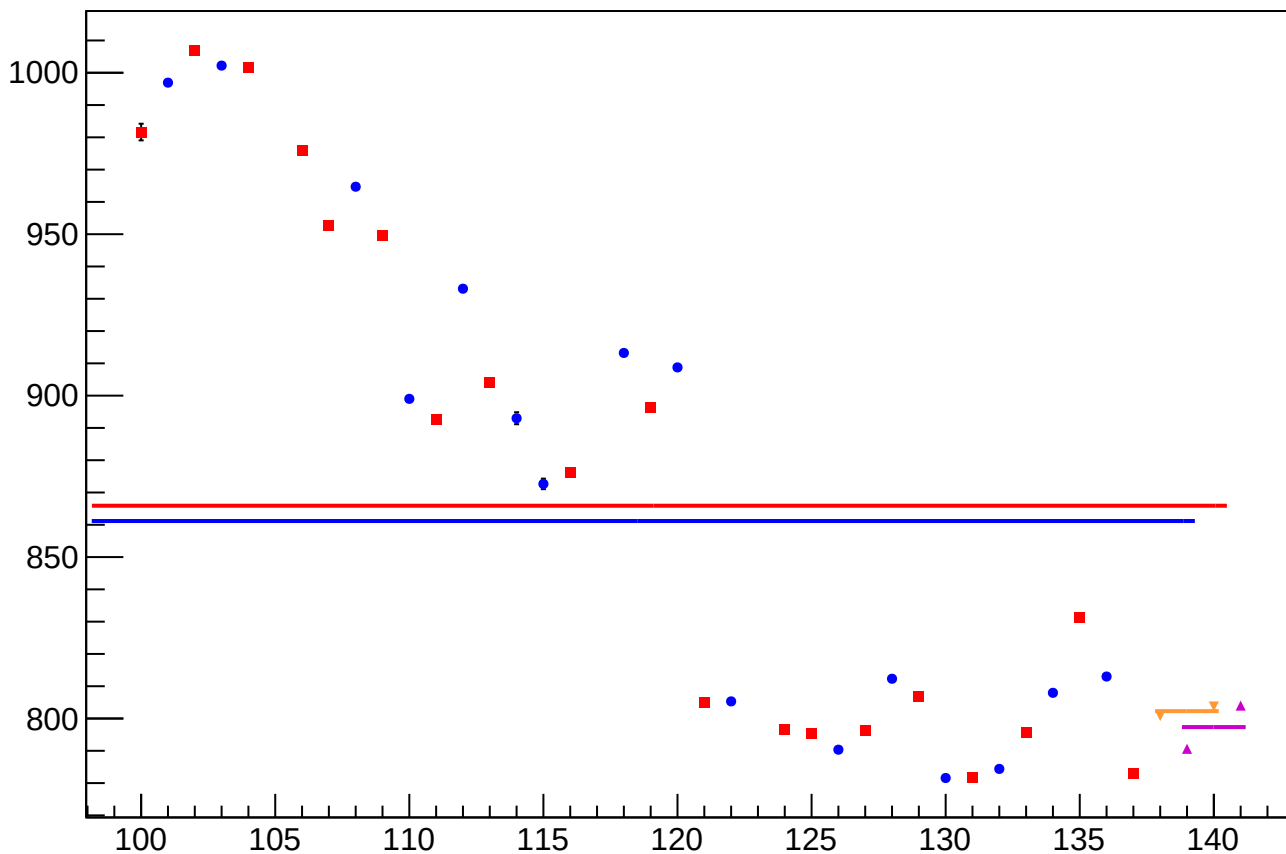
Left In: 0.474 ± 0.606 χ^2/NDF : 0.1/1

+ sign -0.382 ± 0.286 χ^2/NDF : 5736.5/17

All: 9.157 ± 0.200 χ^2/NDF : 13497.7/38

- sign 18.350 ± 0.281 χ^2/NDF : 5578.8/20

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

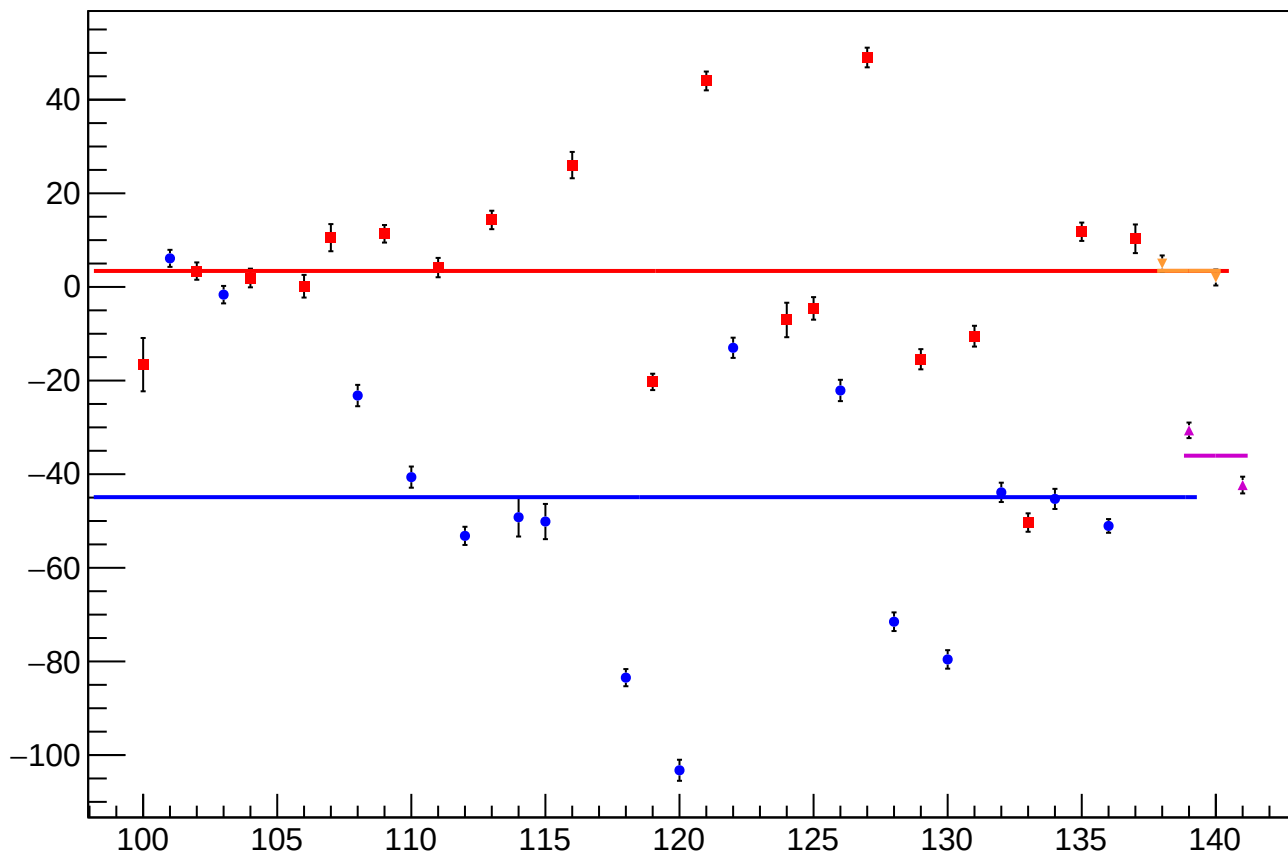
Left In: 797.350 $\pm$ 0.428 χ^2 /NDF:243.6/1

+ sign 849.018 $\pm$ 0.202 χ^2 /NDF: 127412.1/17

All: 850.116 $\pm$ 0.142 χ^2 /NDF: 266232.3/38

- sign 851.174 $\pm$ 0.199 χ^2 /NDF: 138762.4/20

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 $\chi^2/\text{NDF}: 2102.1/18$

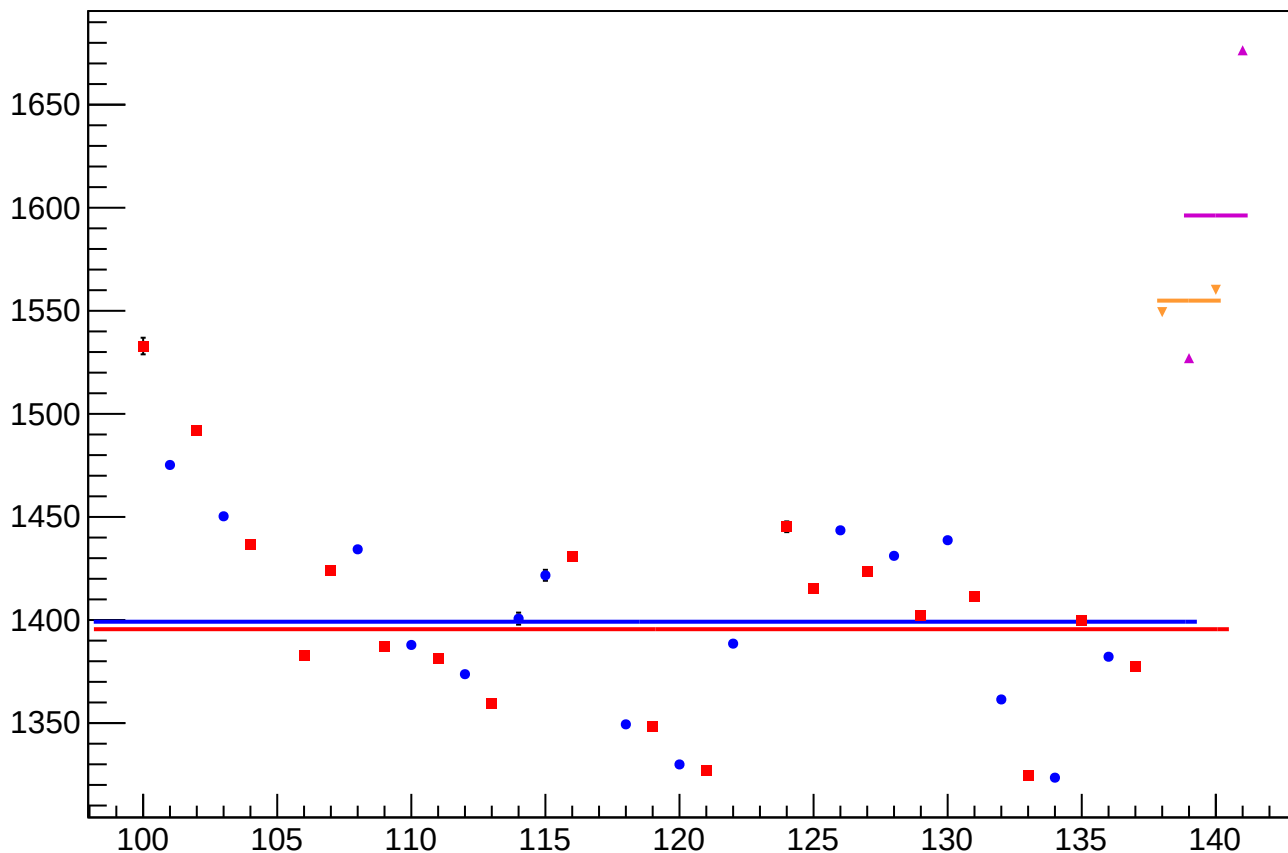
Left In: -36.047 ± 1.216 $\chi^2/\text{NDF}: 23.0/1$

+ sign -37.490 ± 0.478 $\chi^2/\text{NDF}: 4705.5/17$

All: -19.657 ± 0.335 $\chi^2/\text{NDF}: 10455.4/38$

- sign -2.467 ± 0.470 $\chi^2/\text{NDF}: 3020.6/20$

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

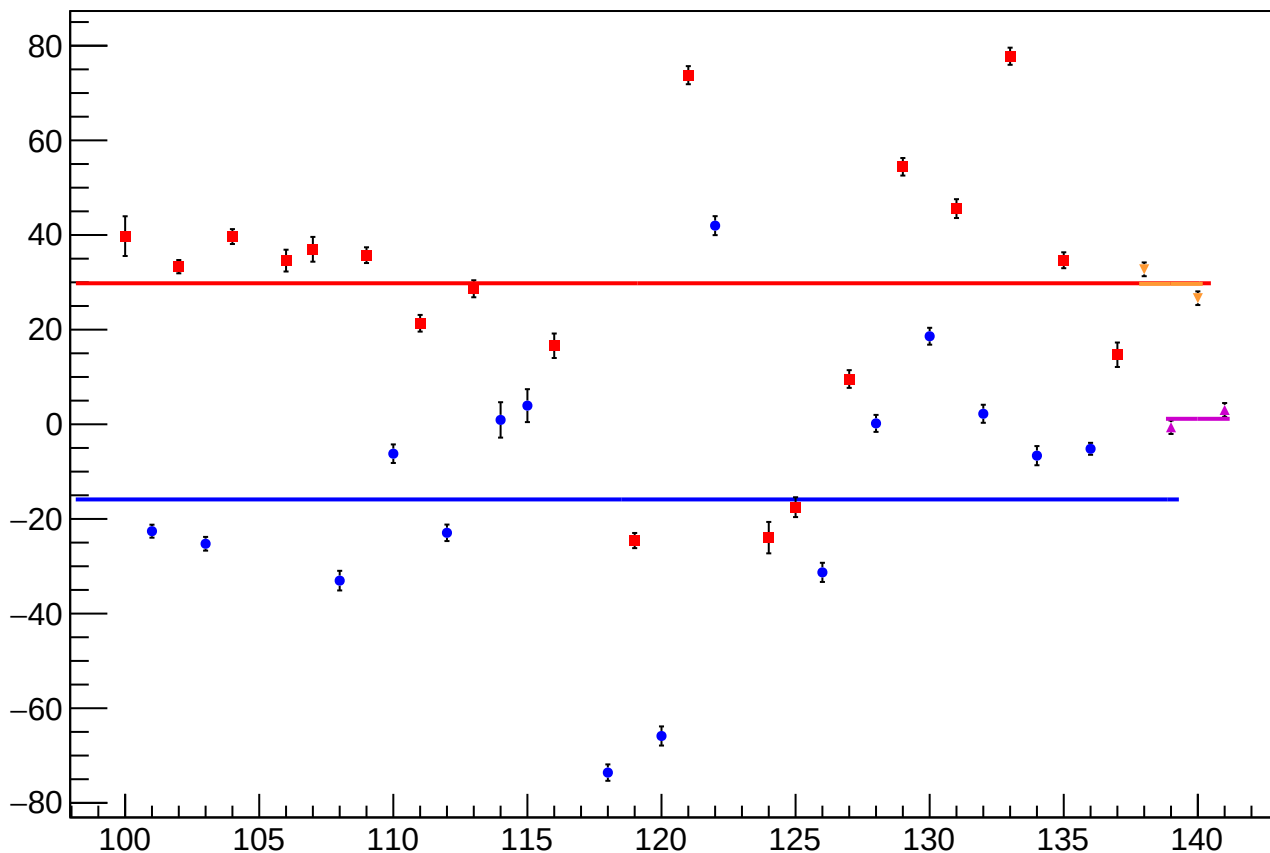
Left In: 1596.249 $\pm$ 0.860 χ^2 /NDF:7496.2/1

+ sign 1423.060 $\pm$ 0.338 χ^2 /NDF: 42417.3/17

All: 1424.285 $\pm$ 0.237 χ^2 /NDF: 112508.5/38

- sign 1425.466 $\pm$ 0.332 χ^2 /NDF: 70065.4/20

diff_bpm0i02Y_mean vs Slug



Right In: -15.878 ± 0.455 χ^2/NDF : 3477.8/15

Left Out: 29.675 ± 1.025 χ^2/NDF : 8.9/1

Right Out: 29.801 ± 0.444 χ^2/NDF : 3681.2/18

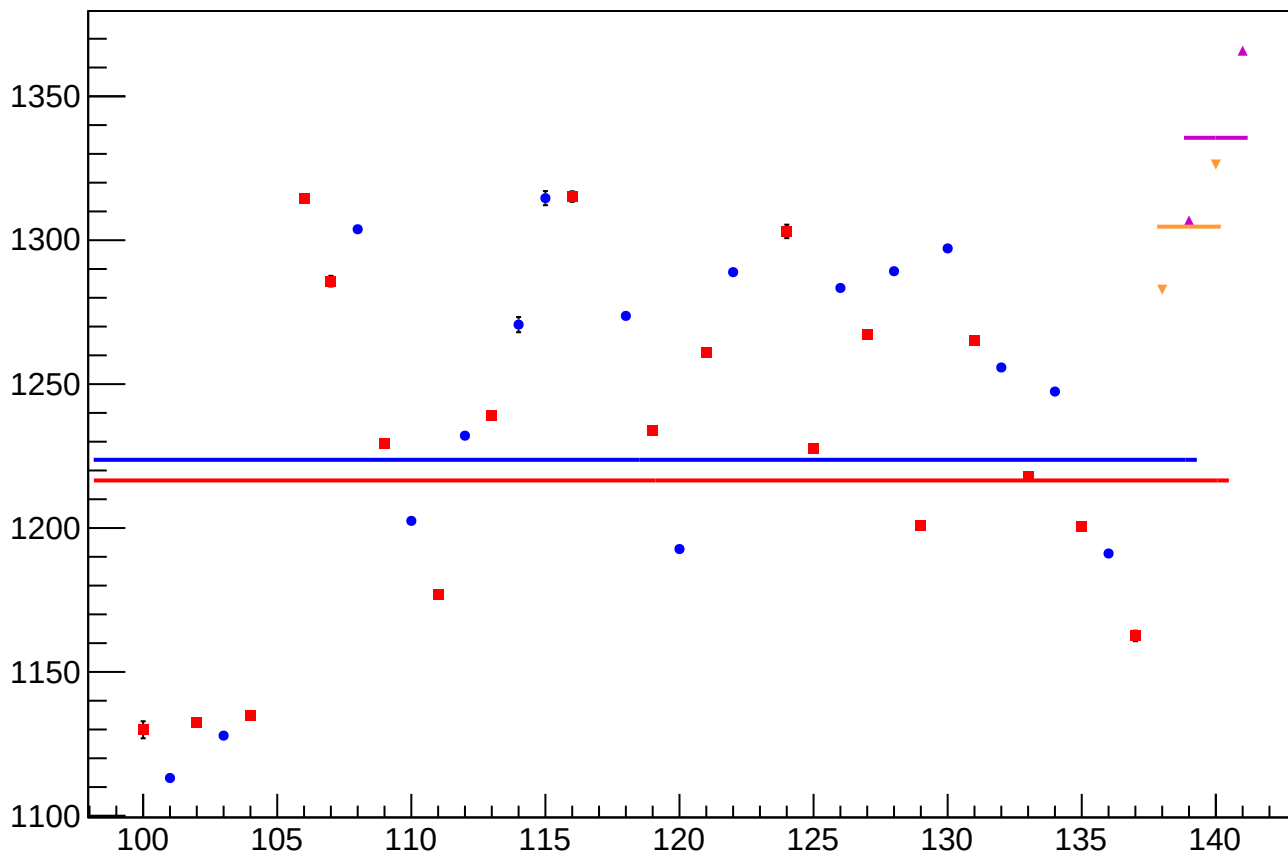
Left In: 1.159 ± 1.018 χ^2/NDF : 3.2/1

+ sign -8.373 ± 0.416 χ^2/NDF : 5136.3/17

All: 8.780 ± 0.291 χ^2/NDF : 12814.4/38

- sign 25.214 ± 0.407 χ^2/NDF : 4349.8/20

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702 $\pm$ 0.322 χ^2 /NDF: 40883.8/15

Left Out: 1304.714 $\pm$ 0.725 χ^2 /NDF:900.1/1

Right Out: 1216.533 $\pm$ 0.314 χ^2 /NDF: 29381.0/18

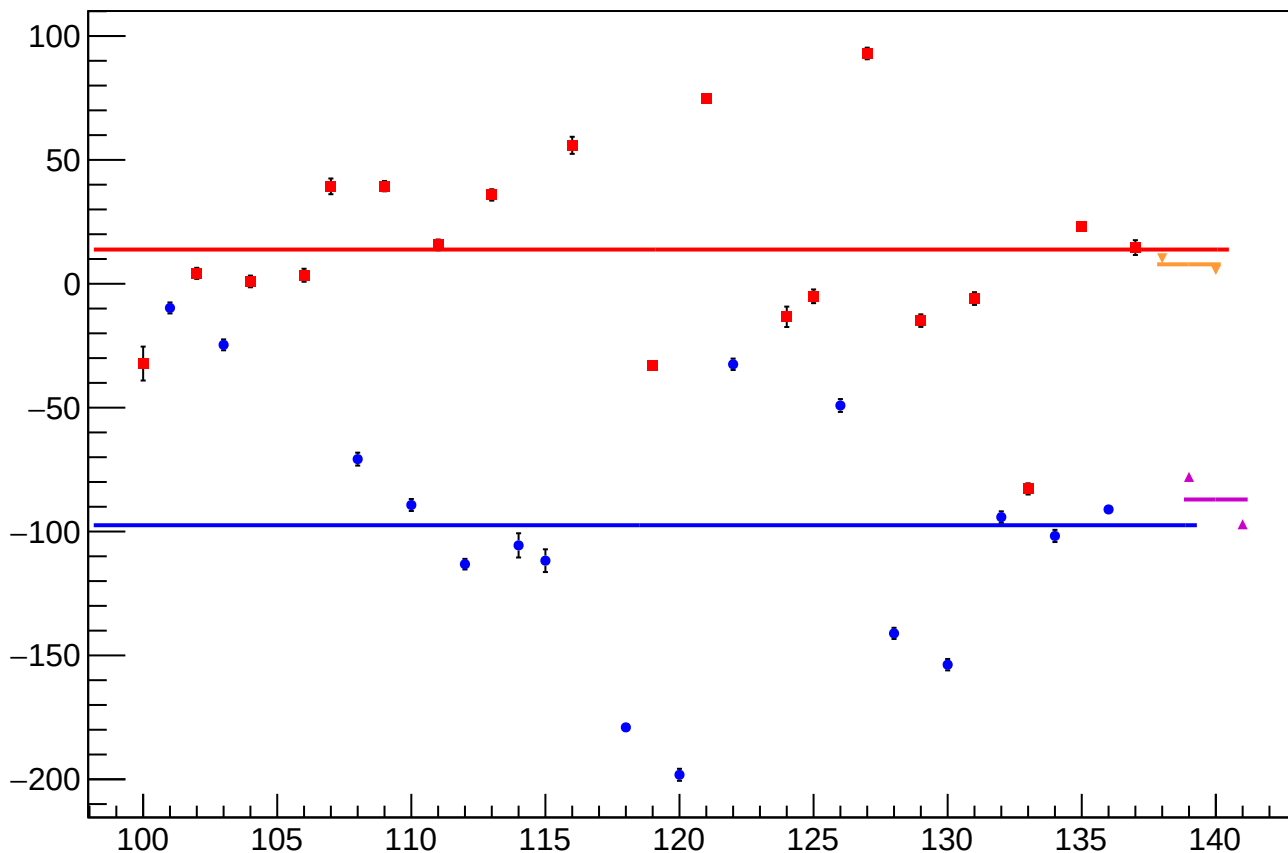
Left In: 1335.590 $\pm$ 0.720 χ^2 /NDF:1680.5/1

+ sign 1237.049 $\pm$ 0.294 χ^2 /NDF: 52218.7/17

All: 1236.308 $\pm$ 0.206 χ^2 /NDF: 106284.5/38

- sign 1235.599 $\pm$ 0.288 χ^2 /NDF: 54053.4/20

diff_bpm0i02aX_mean vs Slug



Right In: -97.455 ± 0.579 χ^2/NDF : 8300.2/15

Left Out: 7.850 ± 1.271 χ^2/NDF : 3.4/1

Right Out: 13.816 ± 0.566 χ^2/NDF : 5352.2/18

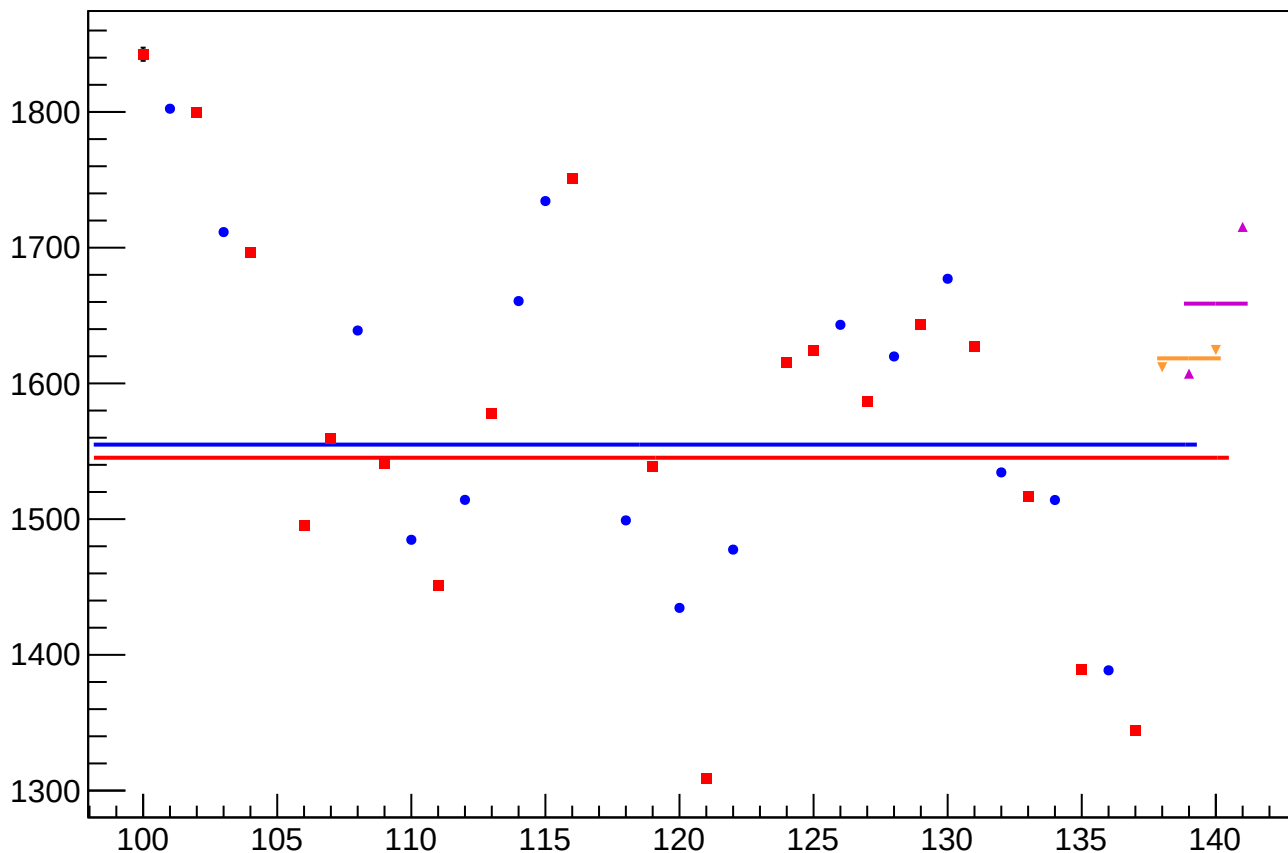
Left In: -87.064 ± 1.263 χ^2/NDF : 57.1/1

+ sign -79.337 ± 0.527 χ^2/NDF : 13986.5/17

All: -40.383 ± 0.369 χ^2/NDF : 35400.4/38

- sign -3.029 ± 0.516 χ^2/NDF : 10720.0/20

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

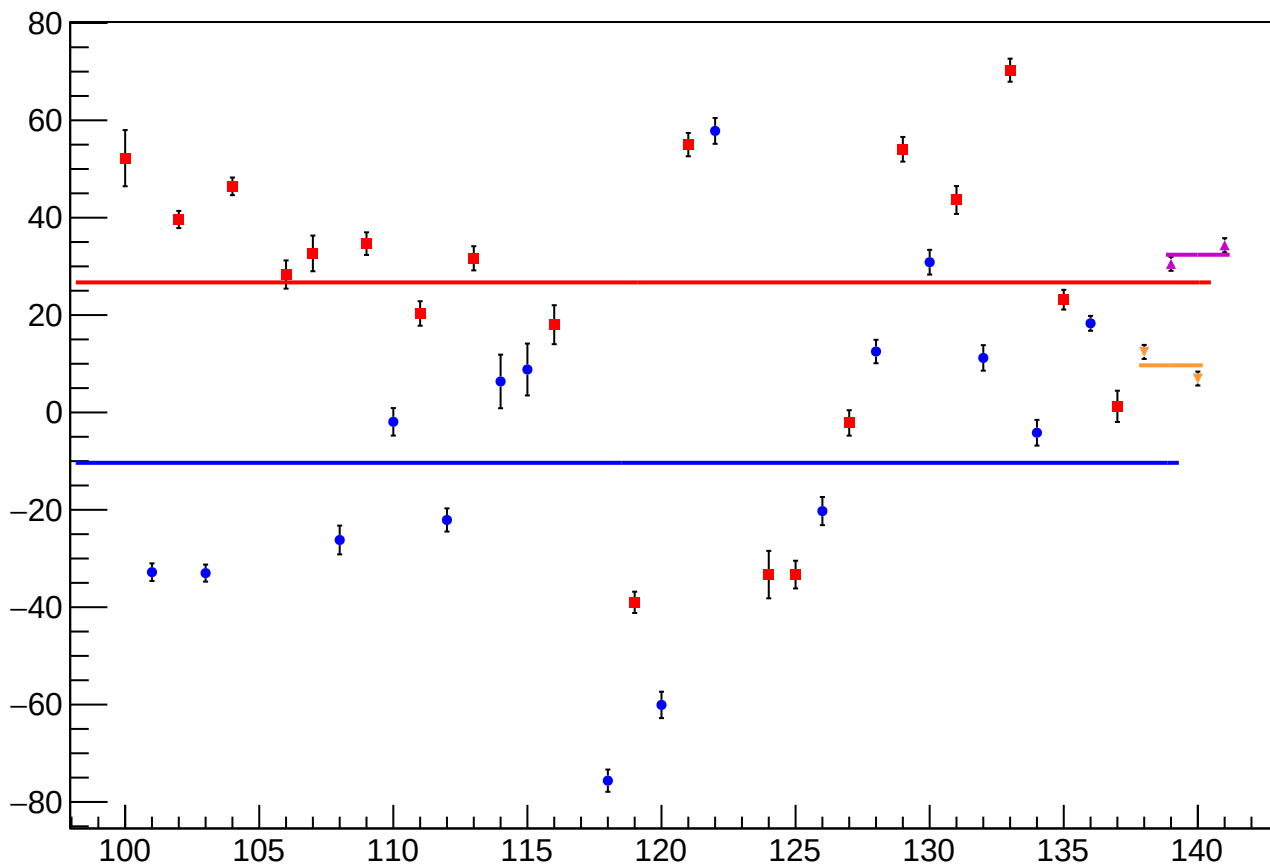
Left In: 1658.772 $\pm$ 0.893 χ^2 /NDF: 3654.2/1

+ sign 1565.843 $\pm$ 0.373 χ^2 /NDF: 92110.2/17

All: 1565.003 $\pm$ 0.261 χ^2 /NDF: 218016.7/38

- sign 1564.197 $\pm$ 0.365 χ^2 /NDF: 125896.5/20

diff_bpm0i02aY_mean vs Slug



Right In: -10.345 ± 0.603 χ^2/NDF : 3007.0/15

Left Out: 9.678 ± 1.017 χ^2/NDF : 7.2/1

Right Out: 26.709 ± 0.586 χ^2/NDF : 2540.7/18

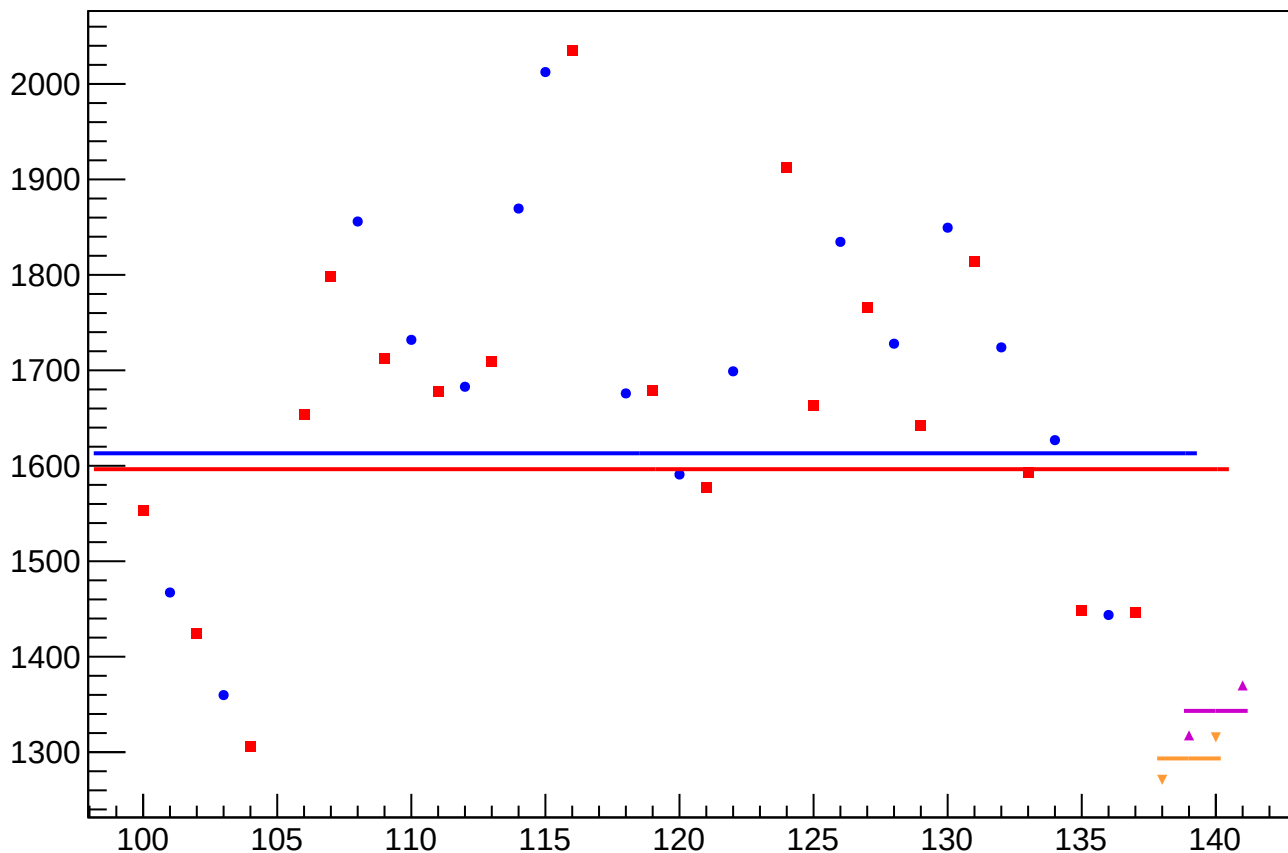
Left In: 32.391 ± 1.023 χ^2/NDF : 3.5/1

+ sign -5.135 ± 0.519 χ^2/NDF : 3301.0/17

All: 11.815 ± 0.363 χ^2/NDF : 7962.5/38

- sign 28.114 ± 0.509 χ^2/NDF : 2567.4/20

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF : 154710.6/15

Left Out: 1293.414+/-0.719 χ^2/NDF : 956.8/1

Right Out: 1596.442+/-0.415 χ^2/NDF : 160714.8/18

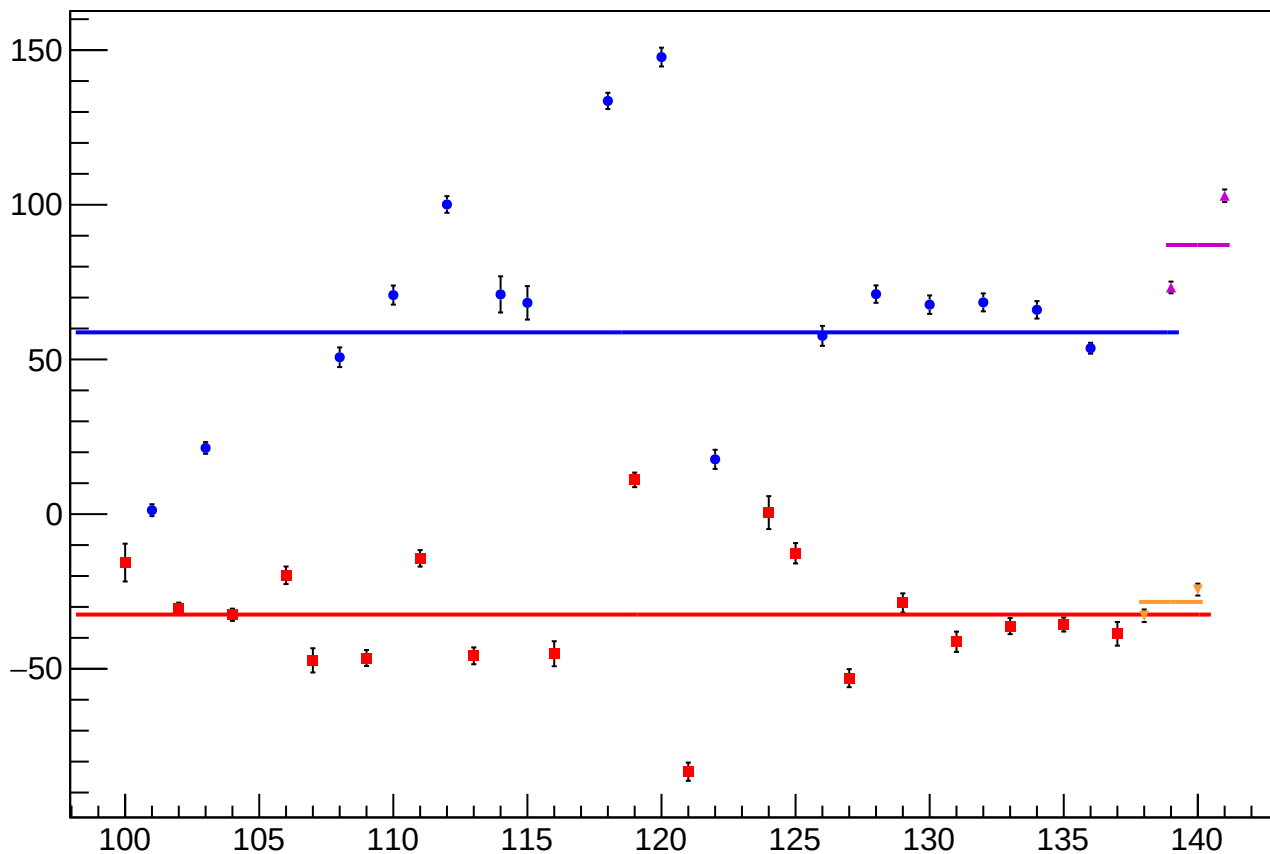
Left In: 1343.237+/-0.723 χ^2/NDF : 1306.3/1

+ sign 1529.912+/-0.367 χ^2/NDF : 301867.4/17

All: 1531.909+/-0.257 χ^2/NDF : 556168.3/38

- sign 1533.830+/-0.360 χ^2/NDF : 254242.8/20

diff_bpm0i05X_mean vs Slug



Right In: 58.761 ± 0.672 χ^2/NDF : 3443.3/15

Left Out: -28.375 ± 1.397 χ^2/NDF : 9.1/1

Right Out: -32.467 ± 0.648 χ^2/NDF : 930.8/18

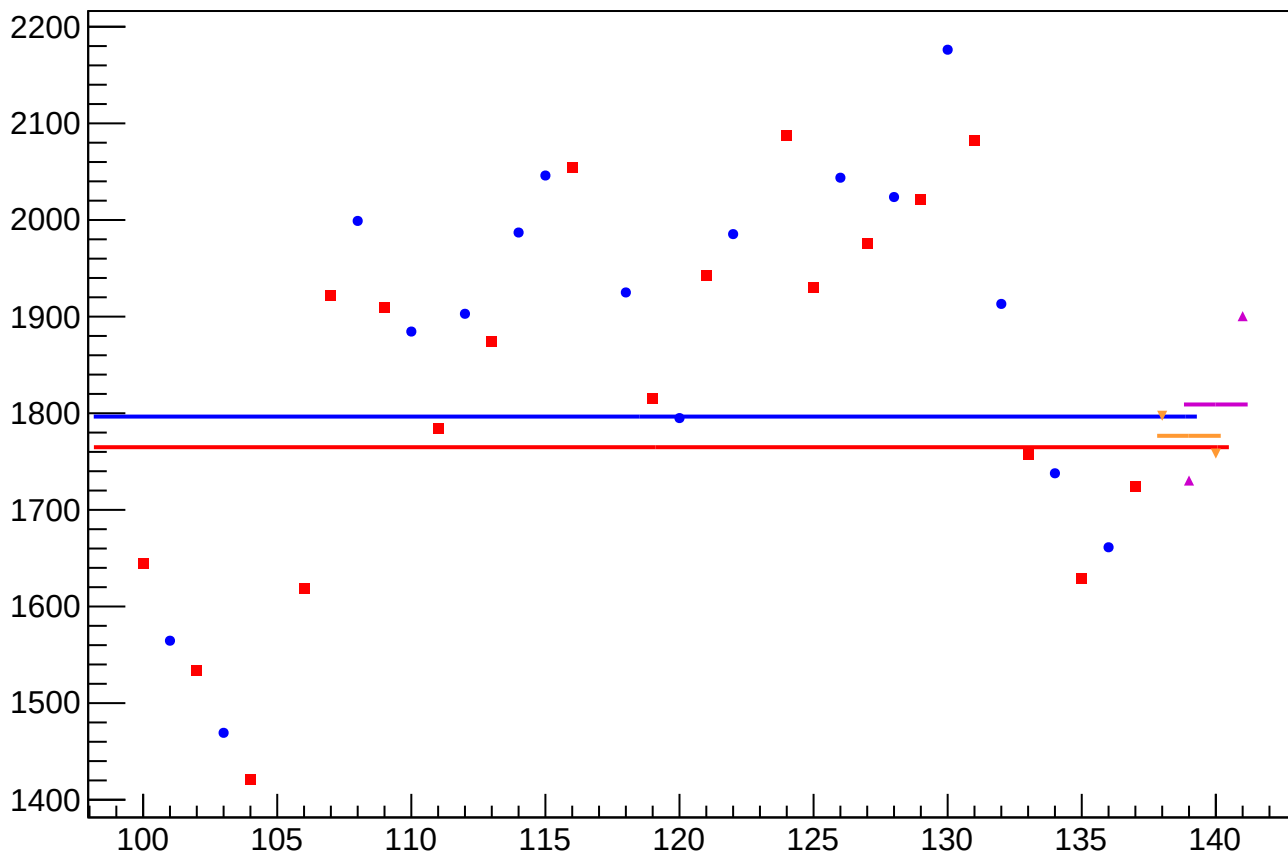
Left In: 86.999 ± 1.381 χ^2/NDF : 114.6/1

+ sign 42.367 ± 0.606 χ^2/NDF : 6611.6/17

All: 14.896 ± 0.422 χ^2/NDF : 17774.0/38

- sign -10.883 ± 0.587 χ^2/NDF : 7177.8/20

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

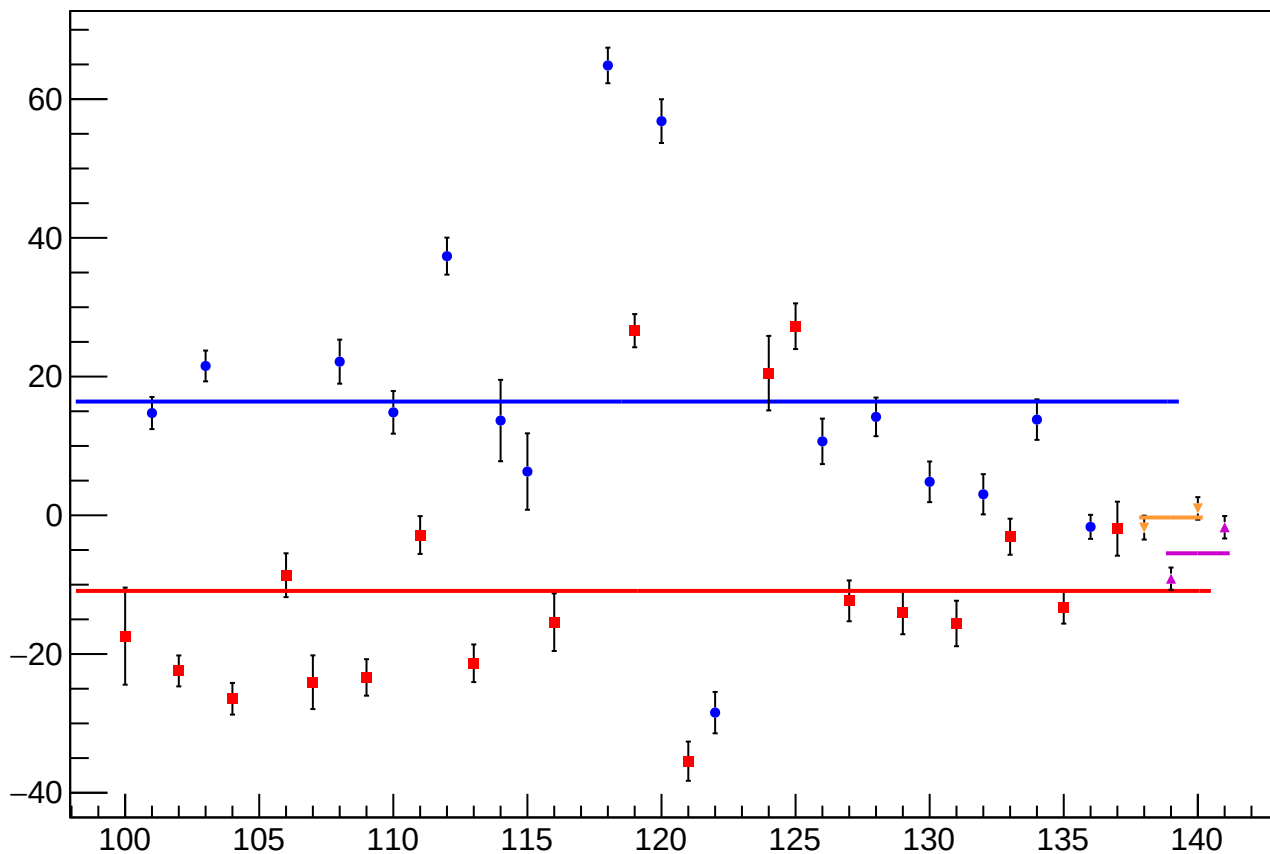
Left In: 1809.076 $\pm$ 0.976 χ^2 /NDF:7543.9/1

+ sign 1792.810 $\pm$ 0.428 χ^2 /NDF: 193892.5/17

All: 1782.512 $\pm$ 0.298 χ^2 /NDF: 394224.3/38

- sign 1772.849 $\pm$ 0.415 χ^2 /NDF: 199211.9/20

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2 /NDF: 973.0/15

Left Out: -0.314+/-1.182 χ^2 /NDF: 1.4/1

Right Out: -10.899+/-0.676 χ^2 /NDF: 641.7/18

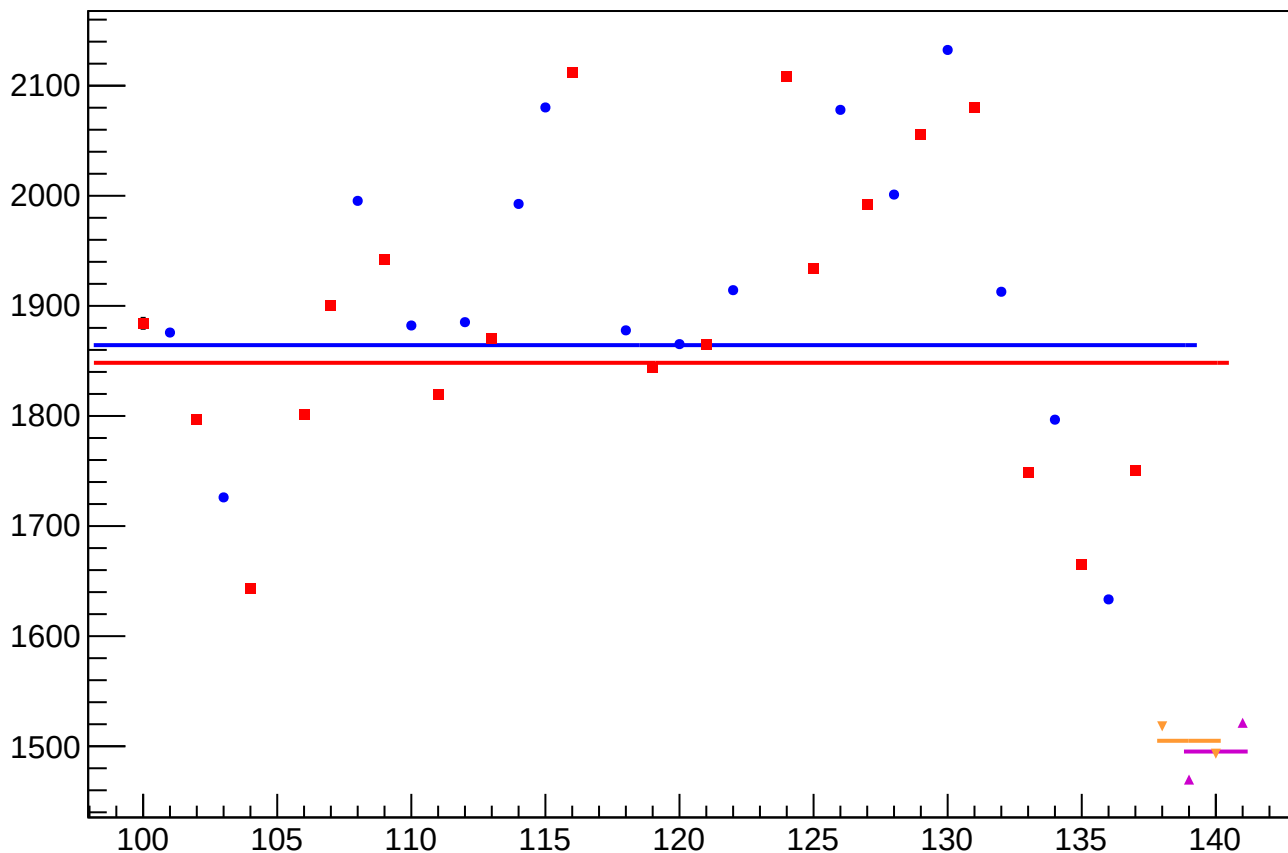
Left In: -5.476+/-1.137 χ^2 /NDF: 10.6/1

+ sign 12.108+/-0.599 χ^2 /NDF: 1122.8/17

All: 0.986+/-0.417 χ^2 /NDF: 2460.9/38

- sign -9.483+/-0.581 χ^2 /NDF: 669.1/20

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

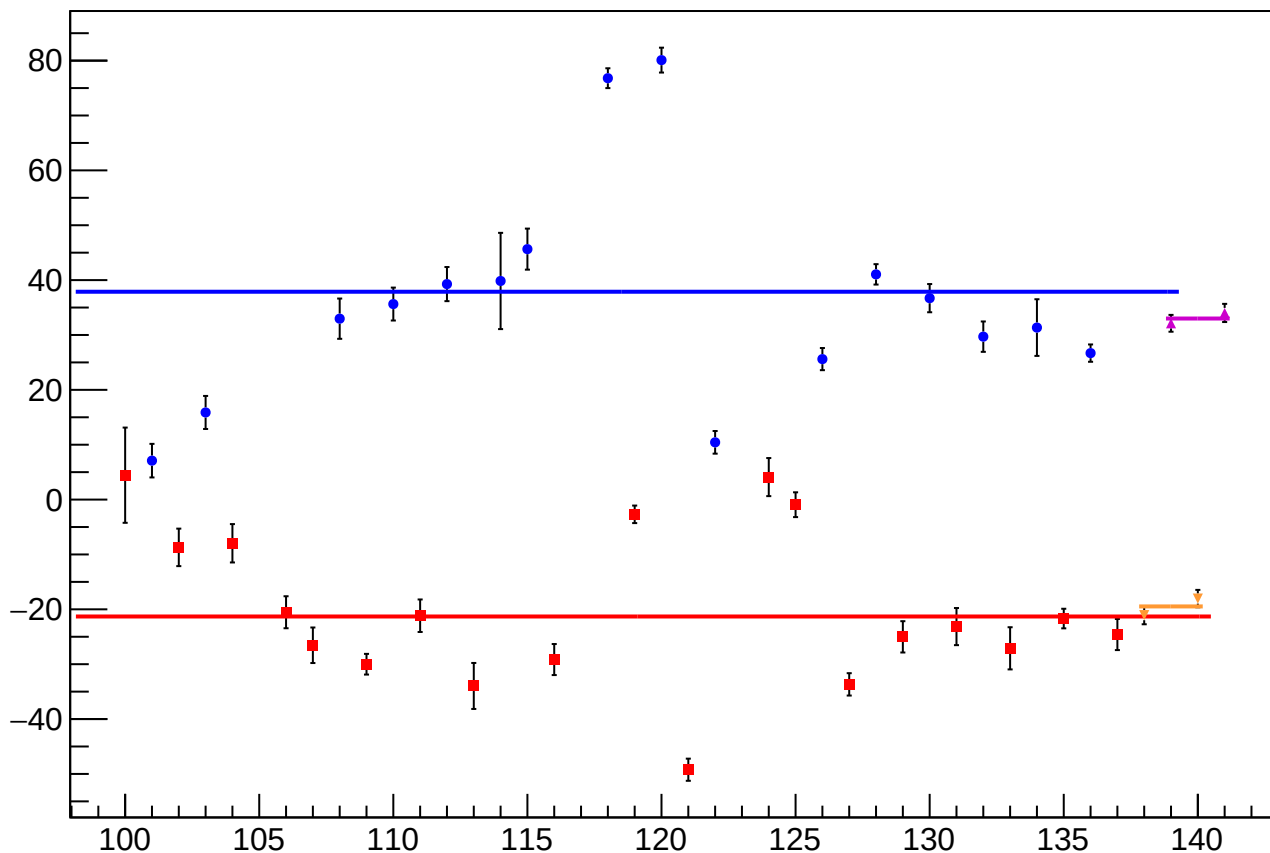
Left In: 1495.194 $\pm$ 0.804 χ^2 /NDF: 1028.0/1

+ sign 1772.055 $\pm$ 0.424 χ^2 /NDF: 220856.8/17

All: 1763.813 $\pm$ 0.295 χ^2 /NDF: 439993.8/38

- sign 1756.055 $\pm$ 0.411 χ^2 /NDF: 218402.2/20

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

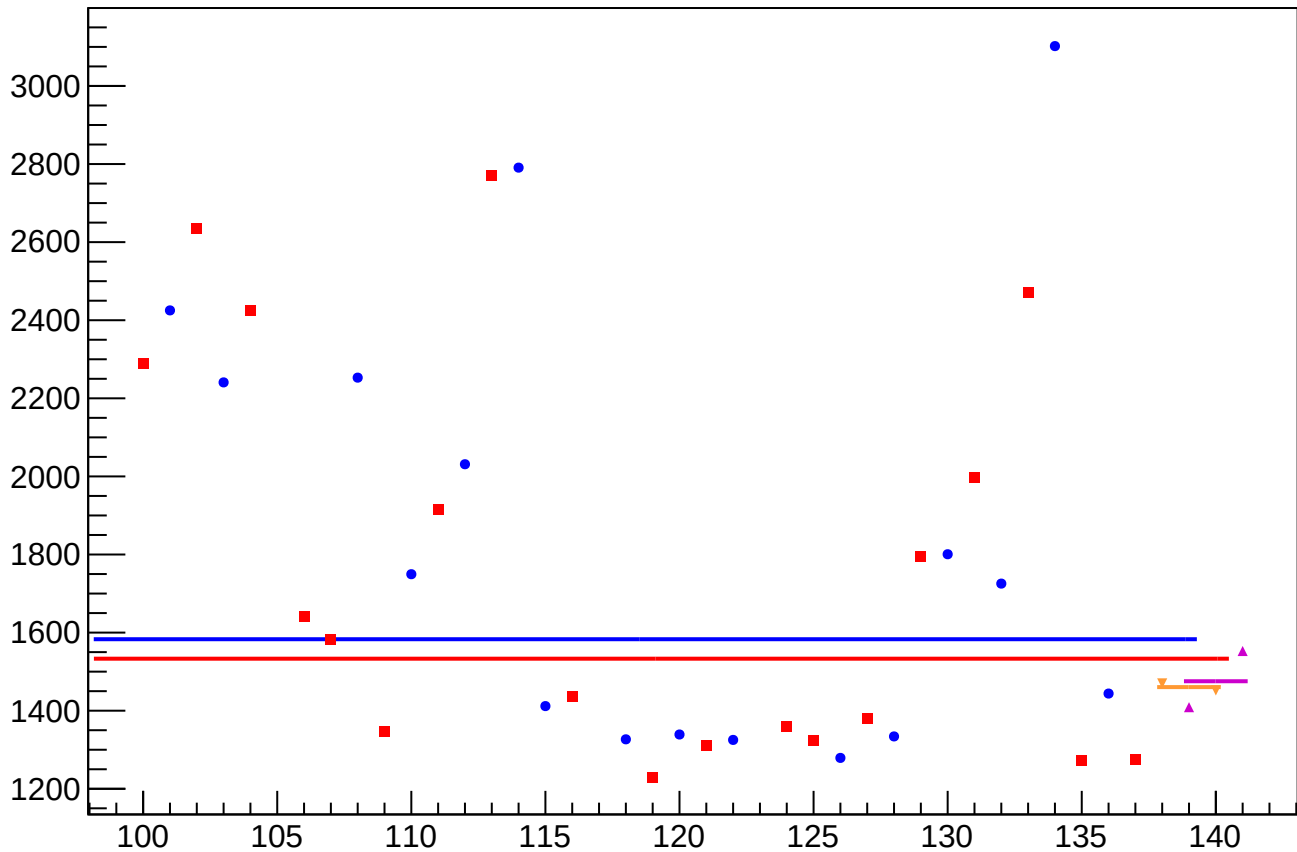
Left In: 32.999 $\pm$ 1.125 χ^2 /NDF: 0.7/1

+ sign 24.848 $\pm$ 0.547 χ^2 /NDF: 3181.2/17

All: 6.951 $\pm$ 0.379 χ^2 /NDF: 7641.8/38

- sign -9.501 $\pm$ 0.525 χ^2 /NDF: 2406.8/20

diff_bpm0i07X_rms vs Slug



Right In: 1583.050 $\pm$ 0.440 χ^2 /NDF: 787672.4/15

Left Out: 1460.411 $\pm$ 0.812 χ^2 /NDF:124.4/1

Right Out: 1533.190 $\pm$ 0.419 χ^2 /NDF: 950777.4/18

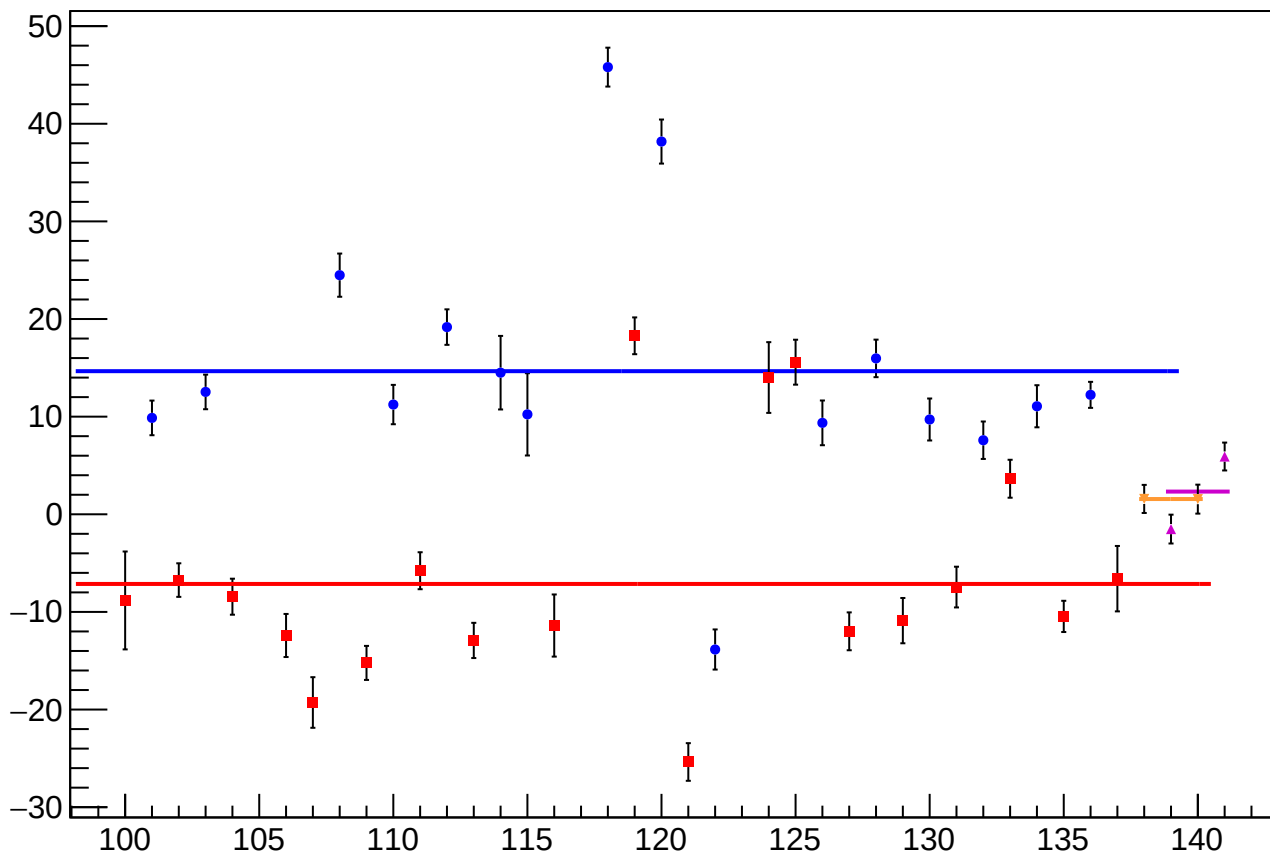
Left In: 1475.427 $\pm$ 0.796 χ^2 /NDF:8129.2/1

+ sign 1555.183 $\pm$ 0.387 χ^2 /NDF: 805443.4/17

All: 1537.181 $\pm$ 0.268 χ^2 /NDF: 1772631.7/38

- sign 1520.633 $\pm$ 0.371 χ^2 /NDF: 963032.6/20

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

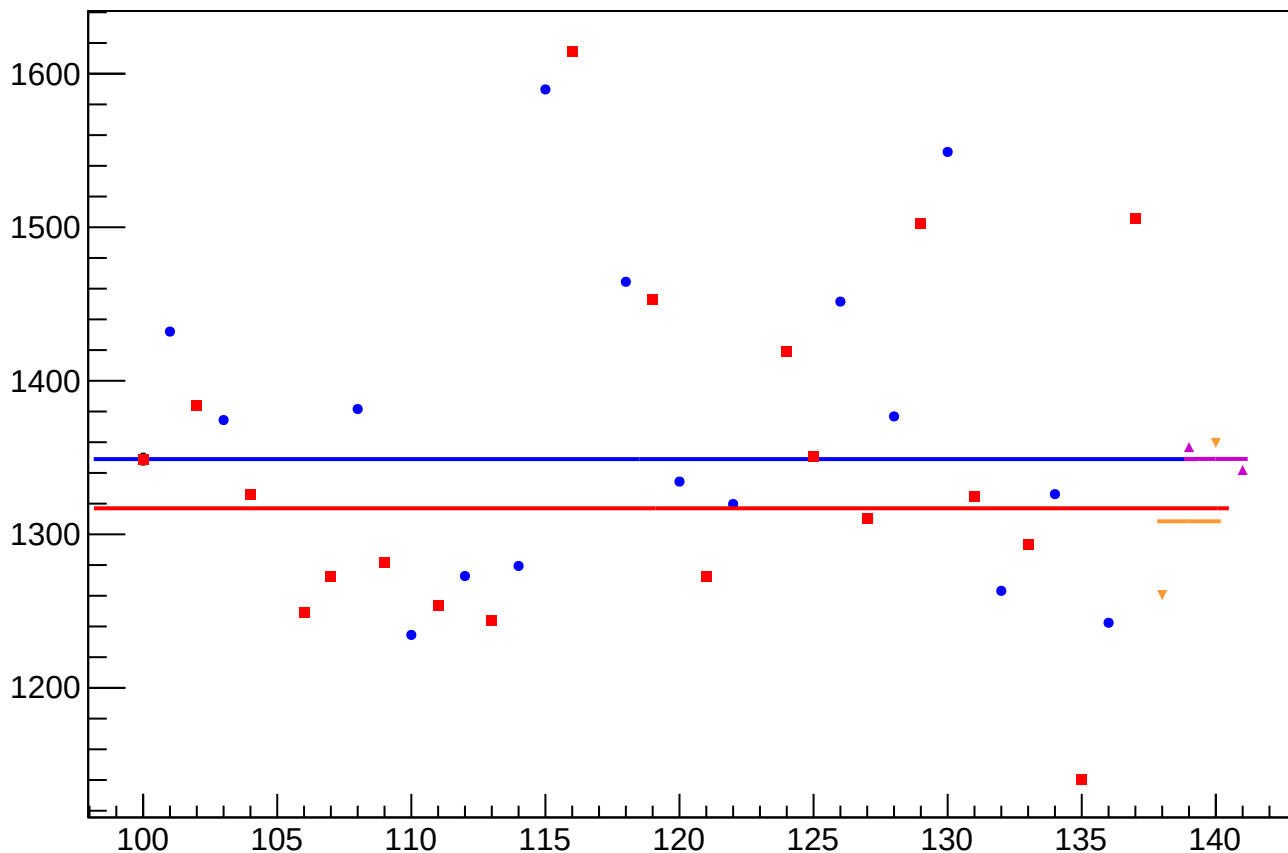
Left In: 2.326 $\pm$ 1.026 χ^2 /NDF: 13.1/1

+ sign 12.135 $\pm$ 0.453 χ^2 /NDF: 744.6/17

All: 3.040 $\pm$ 0.315 χ^2 /NDF: 2113.6/38

- sign -5.418 $\pm$ 0.437 χ^2 /NDF: 592.1/20

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

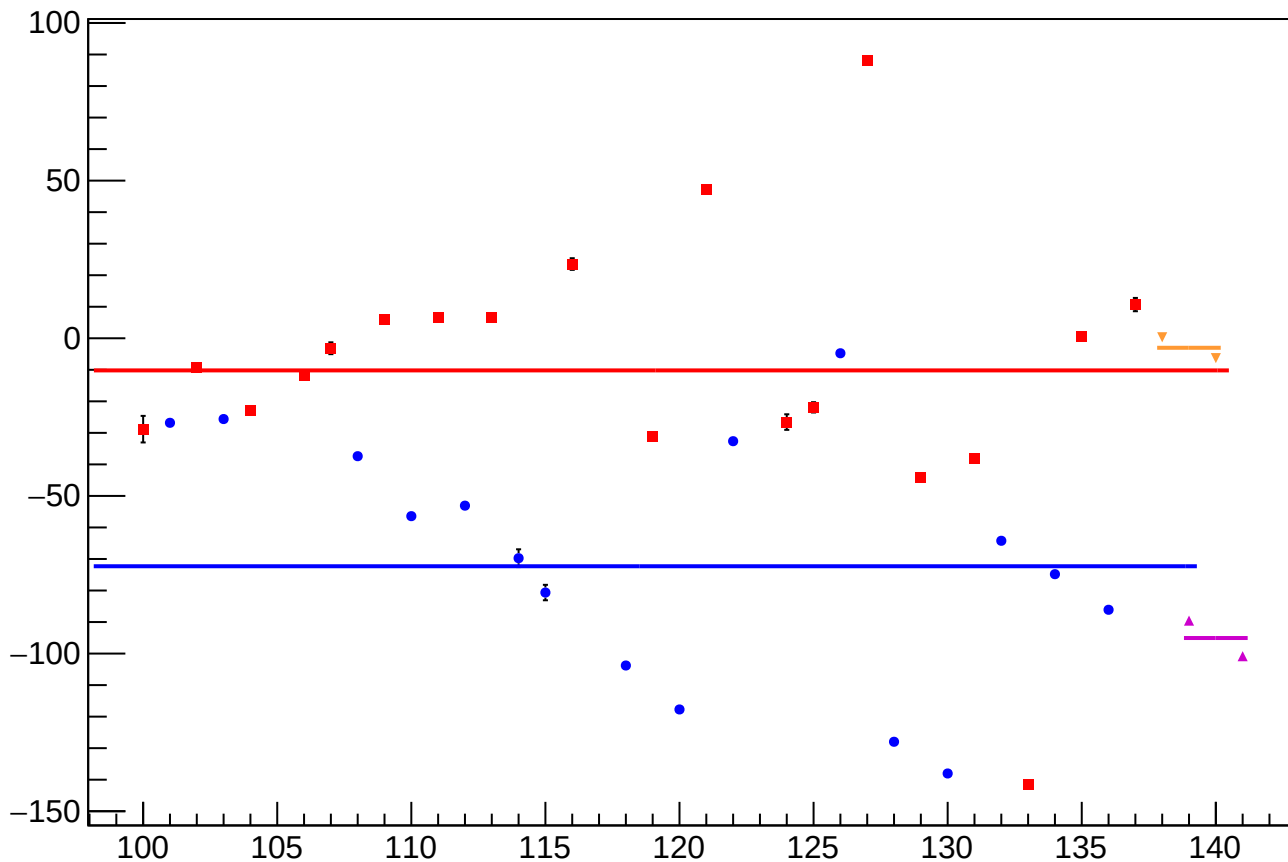
Left In: 1349.121 $\pm$ 0.726 χ^2 /NDF: 105.7/1

+ sign 1341.194 $\pm$ 0.321 χ^2 /NDF: 75471.3/17

All: 1331.662 $\pm$ 0.223 χ^2 /NDF: 165765.4/38

- sign 1322.796 $\pm$ 0.309 χ^2 /NDF: 88587.1/20

diff_bpm1i02X_mean vs Slug



Right In: -72.304 ± 0.349 χ^2/NDF : 12153.8/15

Left Out: -3.015 ± 0.715 χ^2/NDF : 21.4/1

Right Out: -10.188 ± 0.345 χ^2/NDF : 19045.9/18

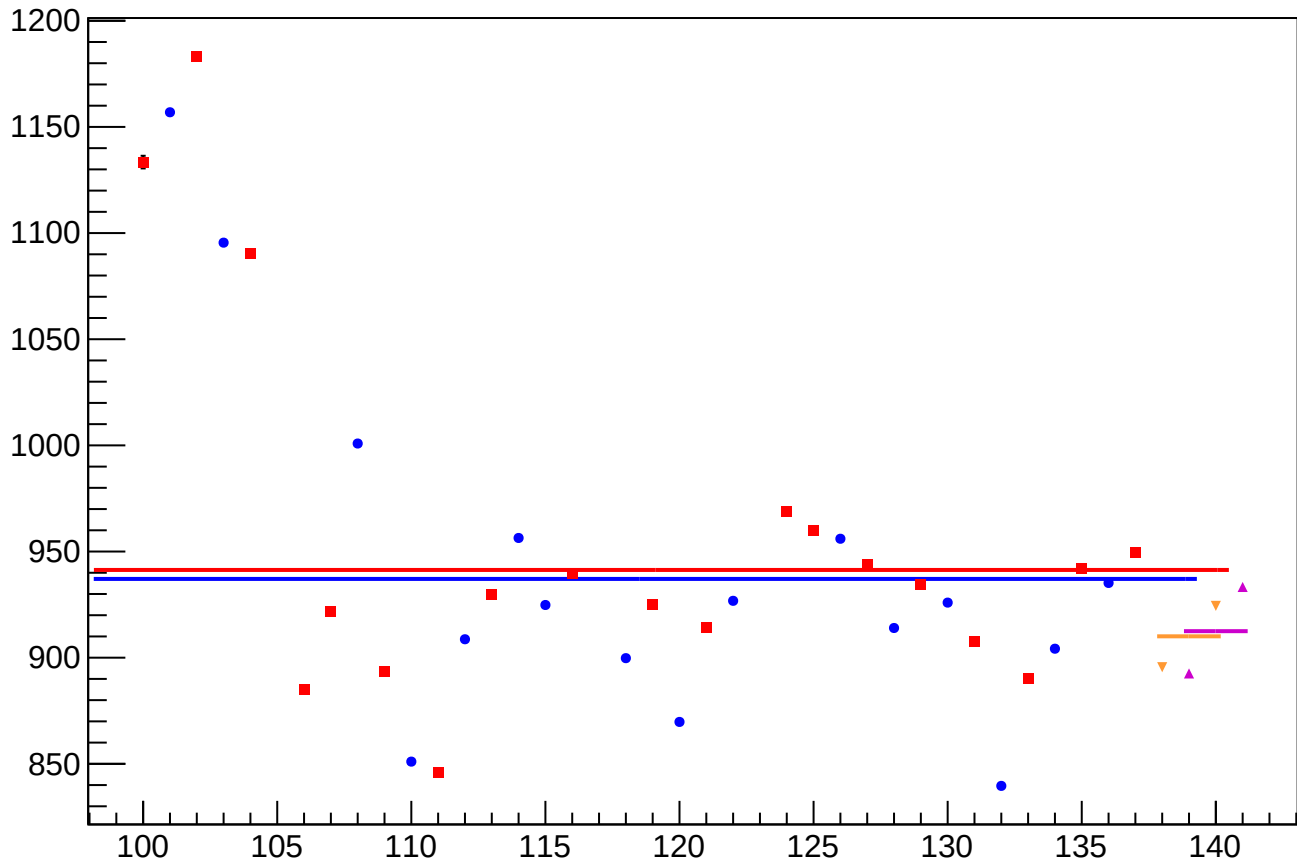
Left In: -95.066 ± 0.694 χ^2/NDF : 66.1/1

+ sign -58.930 ± 0.314 χ^2/NDF : 19763.4/17

All: -42.682 ± 0.220 χ^2/NDF : 56151.3/38

- sign -26.983 ± 0.309 χ^2/NDF : 31120.5/20

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF : 104660.4/15

Left Out: 910.061+/-0.505 χ^2/NDF : 817.1/1

Right Out: 941.323+/-0.244 χ^2/NDF : 101031.2/18

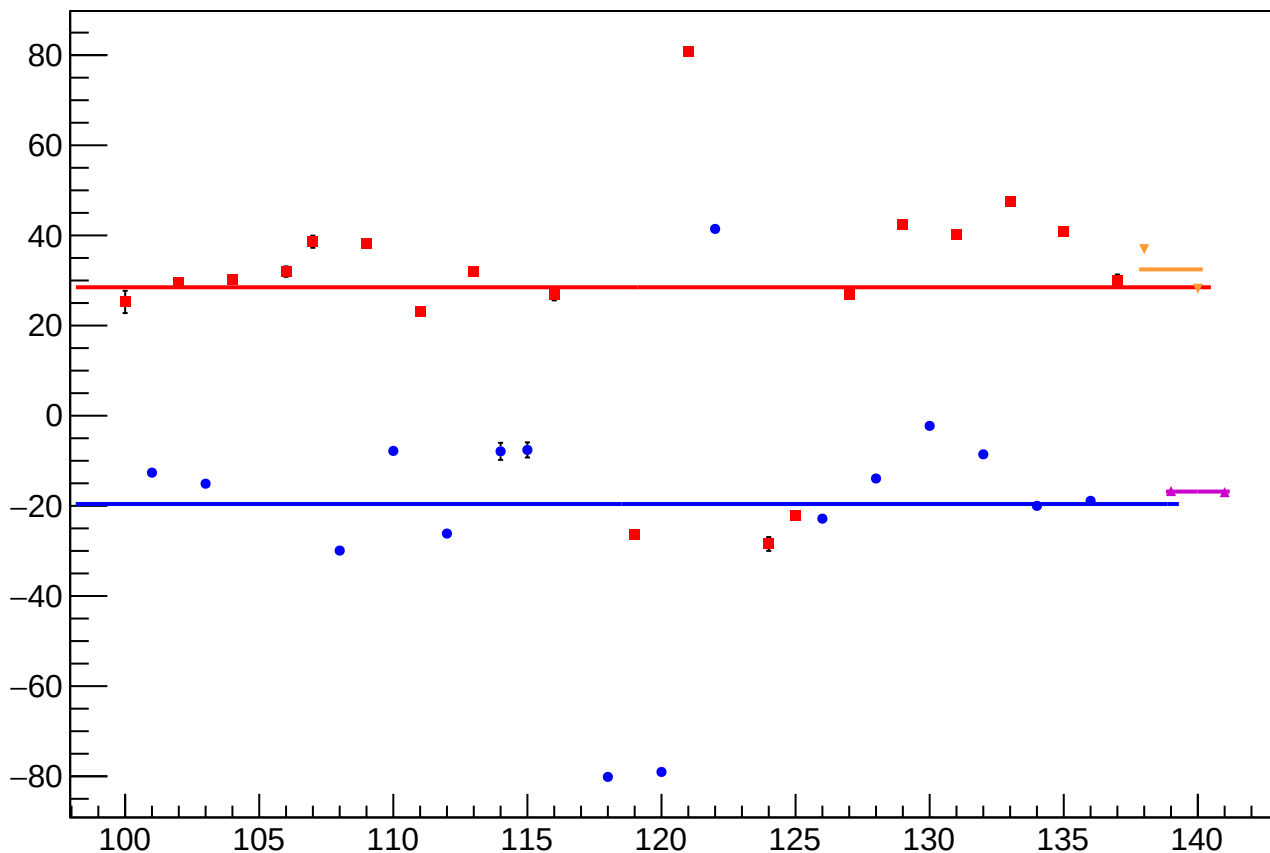
Left In: 912.489+/-0.491 χ^2/NDF : 1723.4/1

+ sign 931.879+/-0.222 χ^2/NDF : 107788.2/17

All: 933.780+/-0.156 χ^2/NDF : 213458.8/38

- sign 935.618+/-0.218 χ^2/NDF : 105526.4/20

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 $\chi^2/\text{NDF}: 12971.2/18$

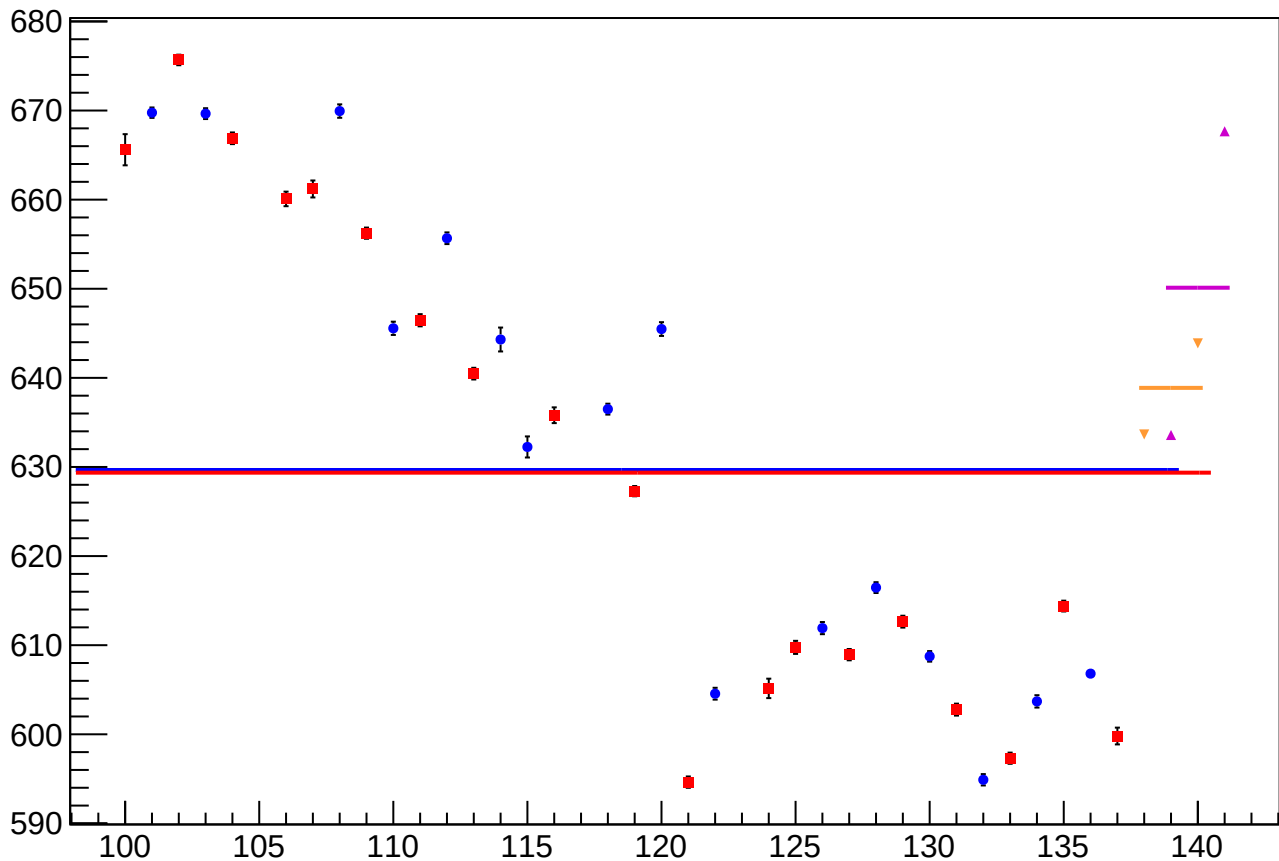
Left In: -16.832 ± 0.494 $\chi^2/\text{NDF}: 0.1/1$

+ sign -10.285 ± 0.212 $\chi^2/\text{NDF}: 22094.3/17$

All: 5.358 ± 0.149 $\chi^2/\text{NDF}: 52670.6/38$

- sign 20.446 ± 0.208 $\chi^2/\text{NDF}: 19888.8/20$

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

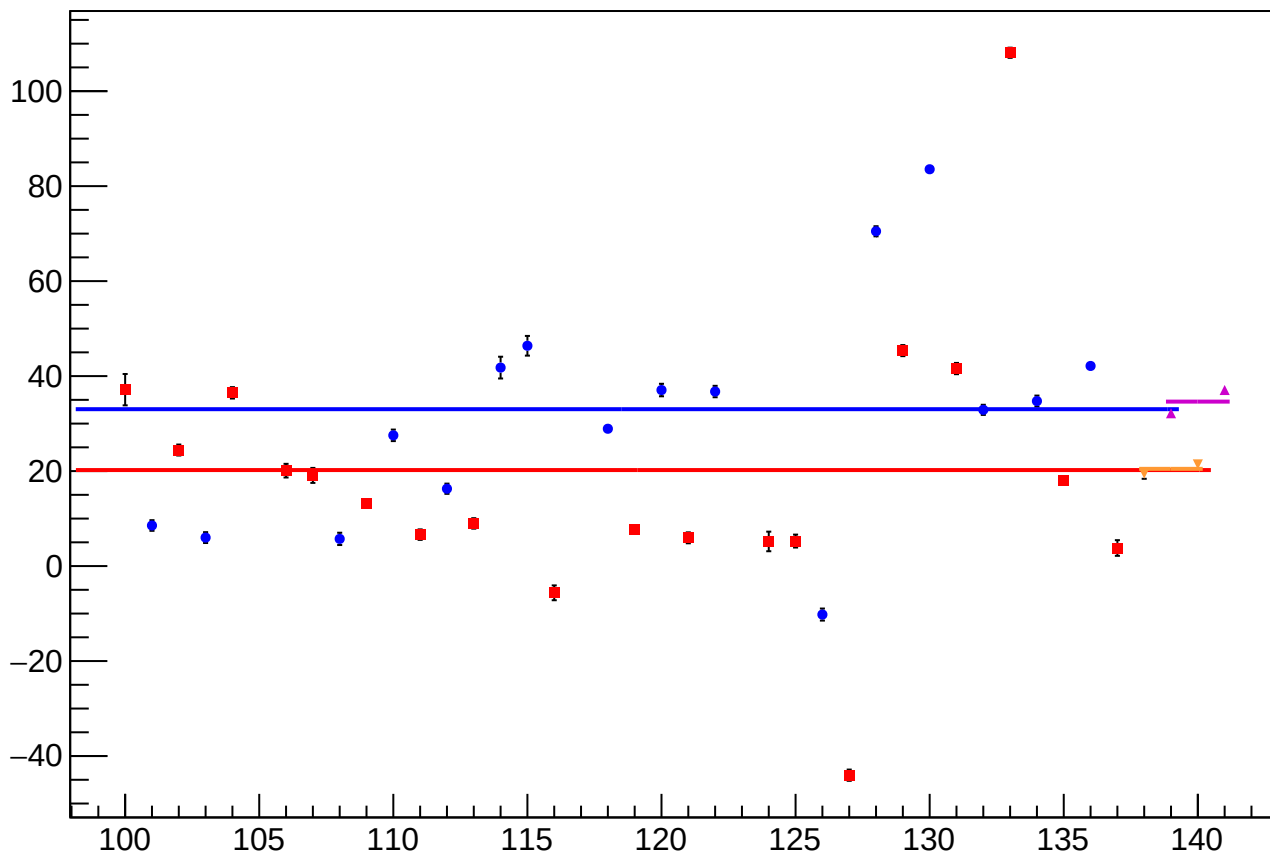
Left In: 650.116 $\pm$ 0.349 χ^2 /NDF:2375.4/1

+ sign 631.309 $\pm$ 0.150 χ^2 /NDF: 26077.9/17

All: 632.194 $\pm$ 0.105 χ^2 /NDF: 58213.5/38

- sign 633.047 $\pm$ 0.147 χ^2 /NDF: 32067.3/20

diff_bpm1i04X_mean vs Slug



Right In: 33.033 ± 0.289 χ^2/NDF : 6700.1/15

Left Out: 20.470 ± 0.760 χ^2/NDF : 1.6/1

Right Out: 20.215 ± 0.286 χ^2/NDF : 11869.7/18

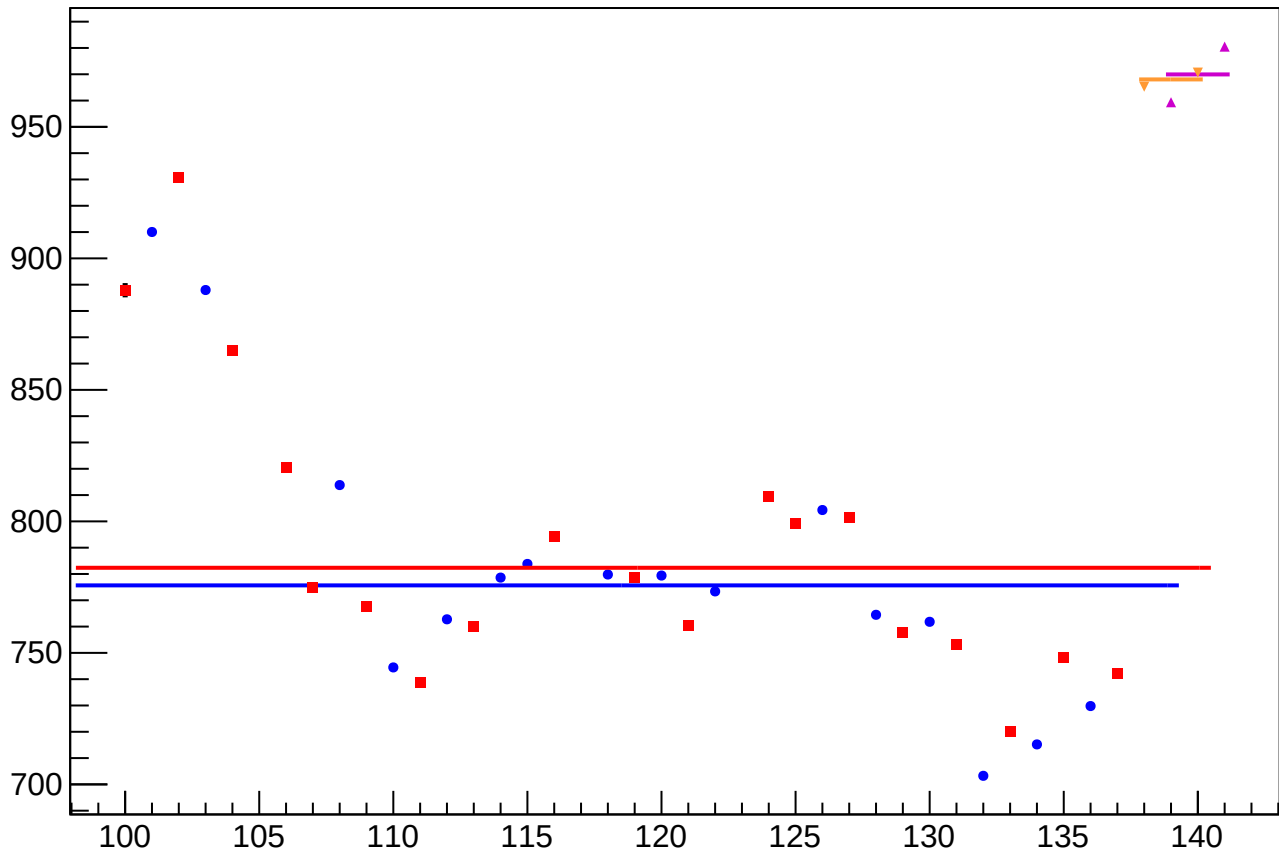
Left In: 34.629 ± 0.737 χ^2/NDF : 11.0/1

+ sign 31.447 ± 0.270 χ^2/NDF : 6940.4/17

All: 26.713 ± 0.190 χ^2/NDF : 19760.0/38

- sign 22.099 ± 0.267 χ^2/NDF : 12212.7/20

diff_bpm1i04X_rms vs Slug



Right In: 775.664 $\pm$ 0.204 χ^2 /NDF: 74660.0/15

Left Out: 968.037 $\pm$ 0.537 χ^2 /NDF:24.8/1

Right Out: 782.358 $\pm$ 0.202 χ^2 /NDF: 64566.3/18

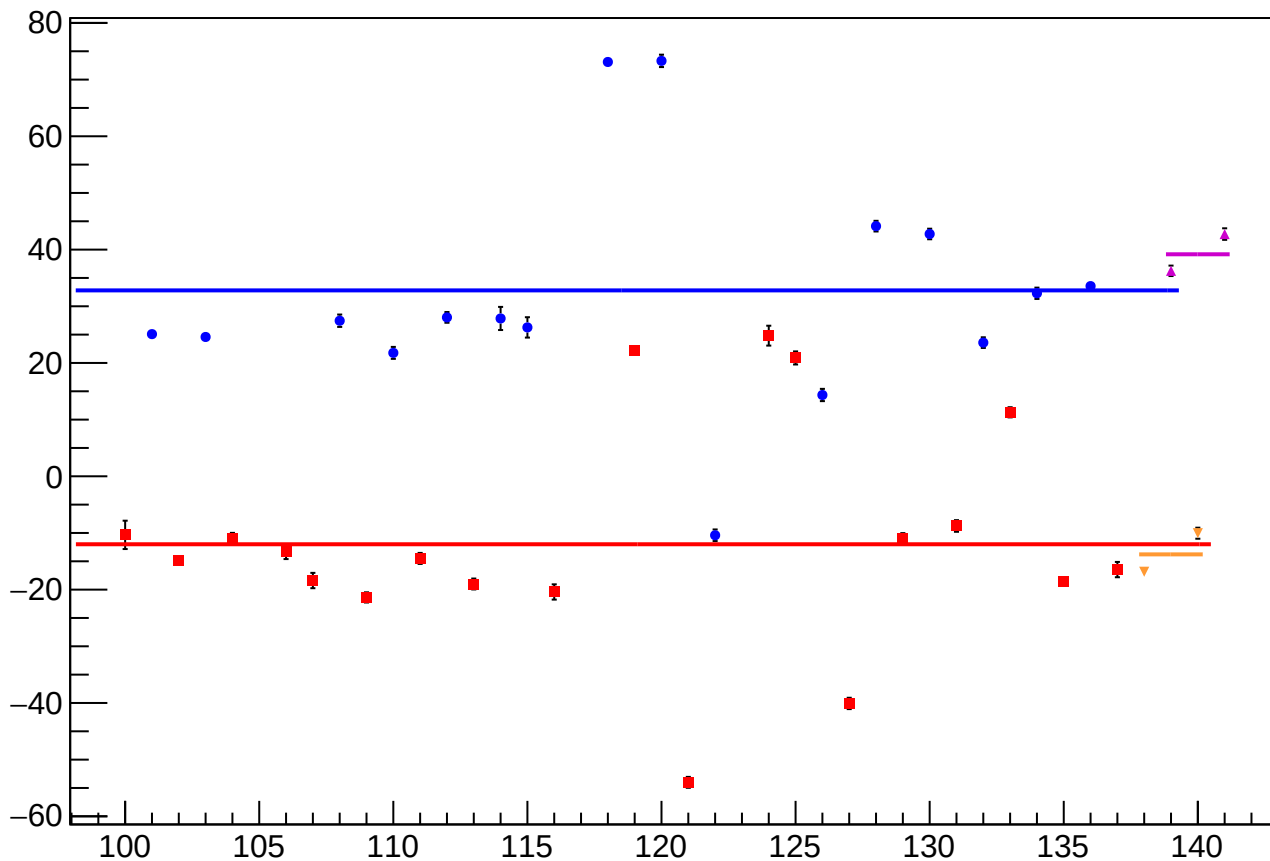
Left In: 969.942 $\pm$ 0.521 χ^2 /NDF:411.2/1

+ sign 799.946 $\pm$ 0.191 χ^2 /NDF: 186615.8/17

All: 803.455 $\pm$ 0.134 χ^2 /NDF: 364739.8/38

- sign 806.874 $\pm$ 0.189 χ^2 /NDF: 177457.5/20

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

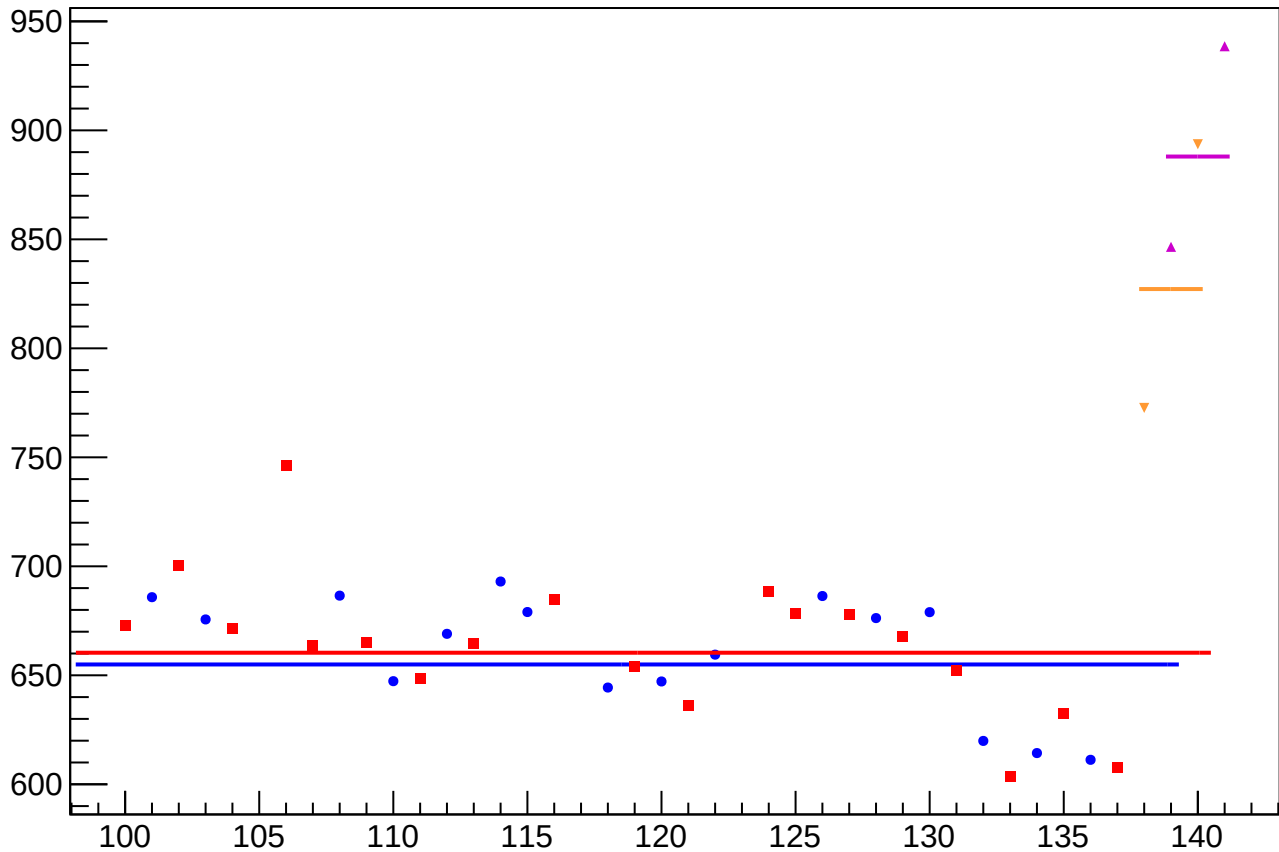
Left In: 39.176 $\pm$ 0.683 χ^2 /NDF: 22.3/1

+ sign 27.142 $\pm$ 0.228 χ^2 /NDF: 10733.3/17

All: 10.344 $\pm$ 0.161 χ^2 /NDF: 33094.2/38

- sign -6.328 $\pm$ 0.227 χ^2 /NDF: 11568.1/20

diff_bpm1i04Y_rms vs Slug



Right In: 654.970 ± 0.172 χ^2/NDF : 26744.4/15

Left Out: 827.197 ± 0.463 χ^2/NDF : 16903.8/1

Right Out: 660.355 ± 0.171 χ^2/NDF : 30417.5/18

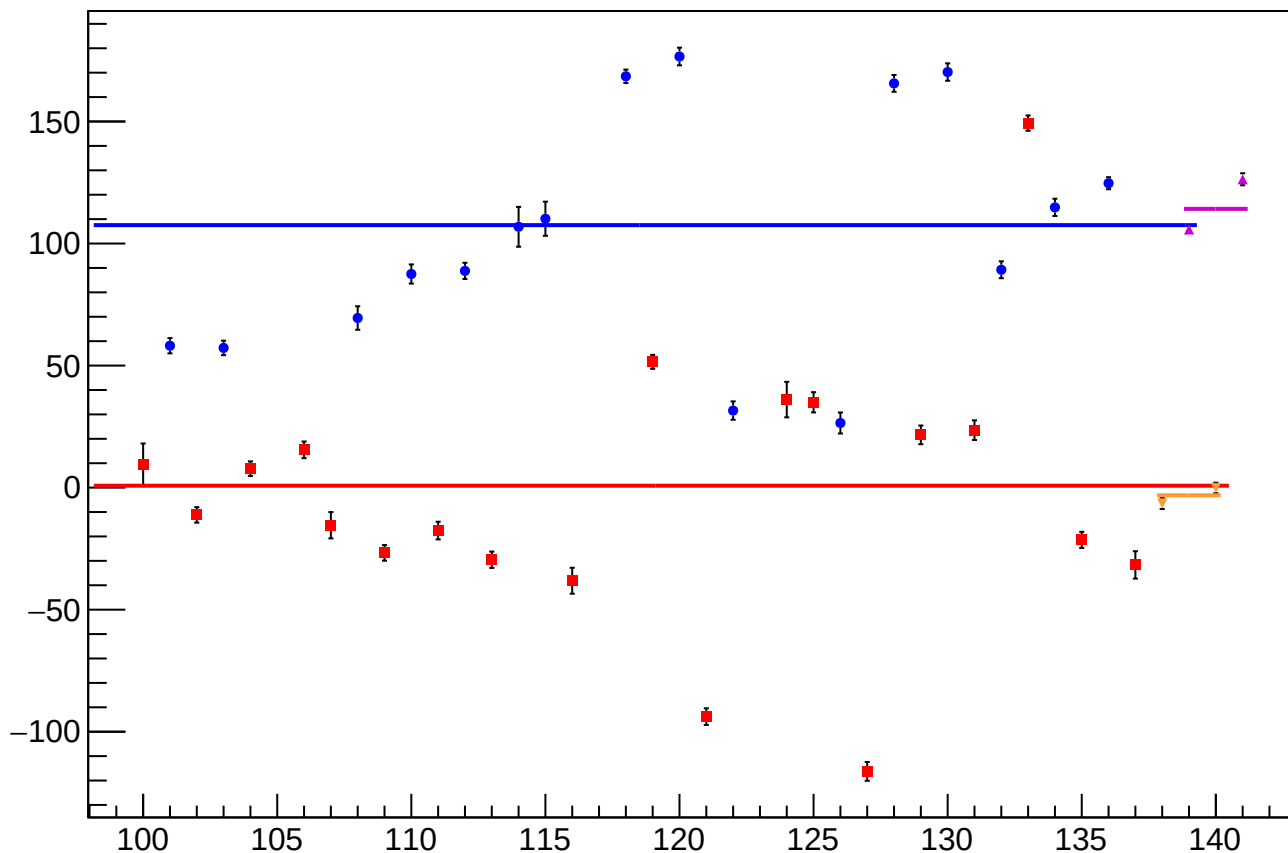
Left In: 887.987 ± 0.483 χ^2/NDF : 8975.2/1

+ sign 675.902 ± 0.161 χ^2/NDF : 165233.9/17

All: 680.748 ± 0.114 χ^2/NDF : 403772.9/38

- sign 685.559 ± 0.161 χ^2/NDF : 236742.2/20

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

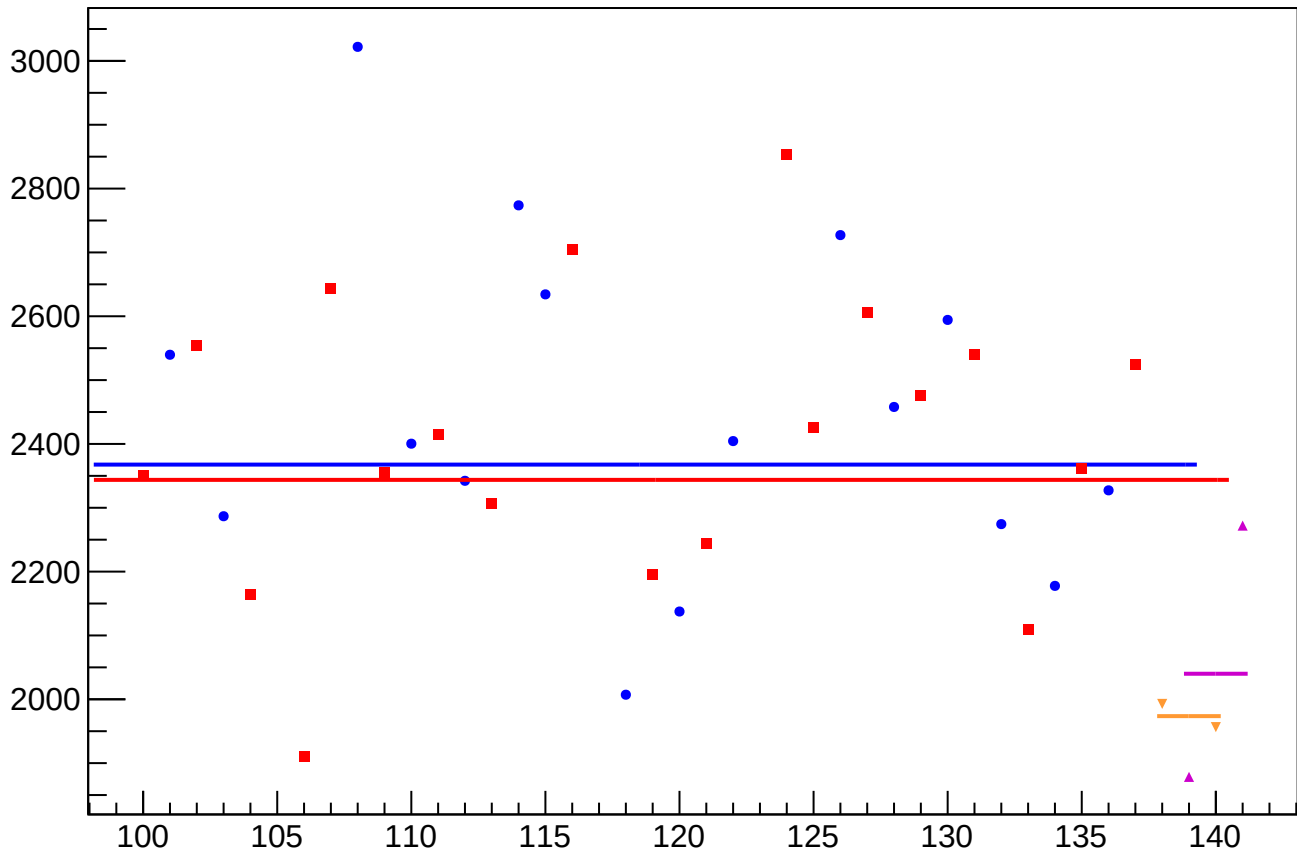
Left In: 114.207 $\pm$ 1.580 χ^2 /NDF: 41.0/1

+ sign 80.575 $\pm$ 0.770 χ^2 /NDF: 6769.0/17

All: 53.163 $\pm$ 0.539 χ^2 /NDF: 18035.3/38

- sign 26.738 $\pm$ 0.756 χ^2 /NDF: 8776.8/20

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF : 126764.1/15

Left Out: 1973.605+/-1.103 χ^2/NDF : 271.2/1

Right Out: 2343.704+/-0.609 χ^2/NDF : 112274.4/18

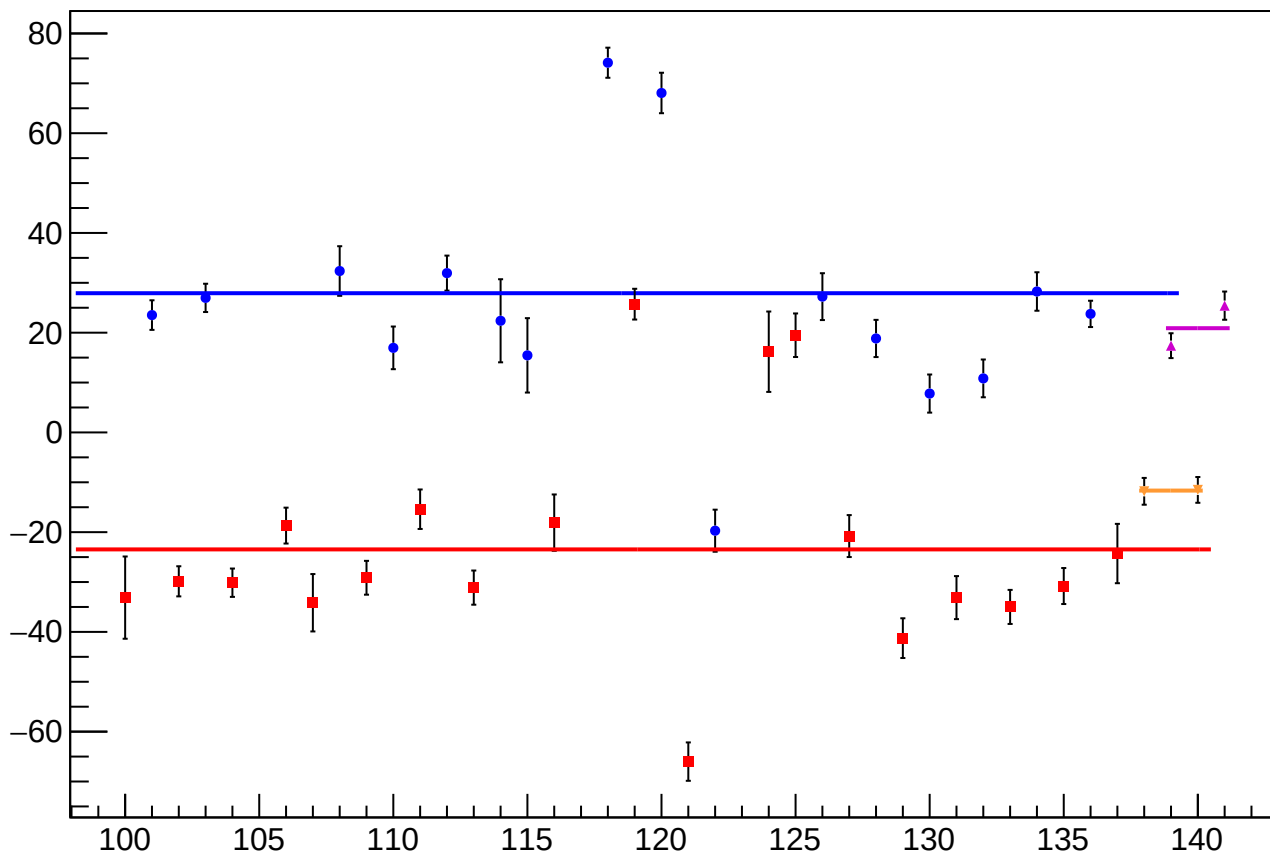
Left In: 2040.008+/-1.118 χ^2/NDF : 30017.8/1

+ sign 2271.615+/-0.544 χ^2/NDF : 223571.8/17

All: 2272.941+/-0.381 χ^2/NDF : 422831.1/38

- sign 2274.219+/-0.535 χ^2/NDF : 199247.7/20

diff_bpm1i06Y_mean vs Slug



Right In: 27.916 ± 0.937 $\chi^2/\text{NDF}: 530.7/15$

Left Out: -11.662 ± 1.862 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -23.457 ± 0.903 $\chi^2/\text{NDF}: 567.9/18$

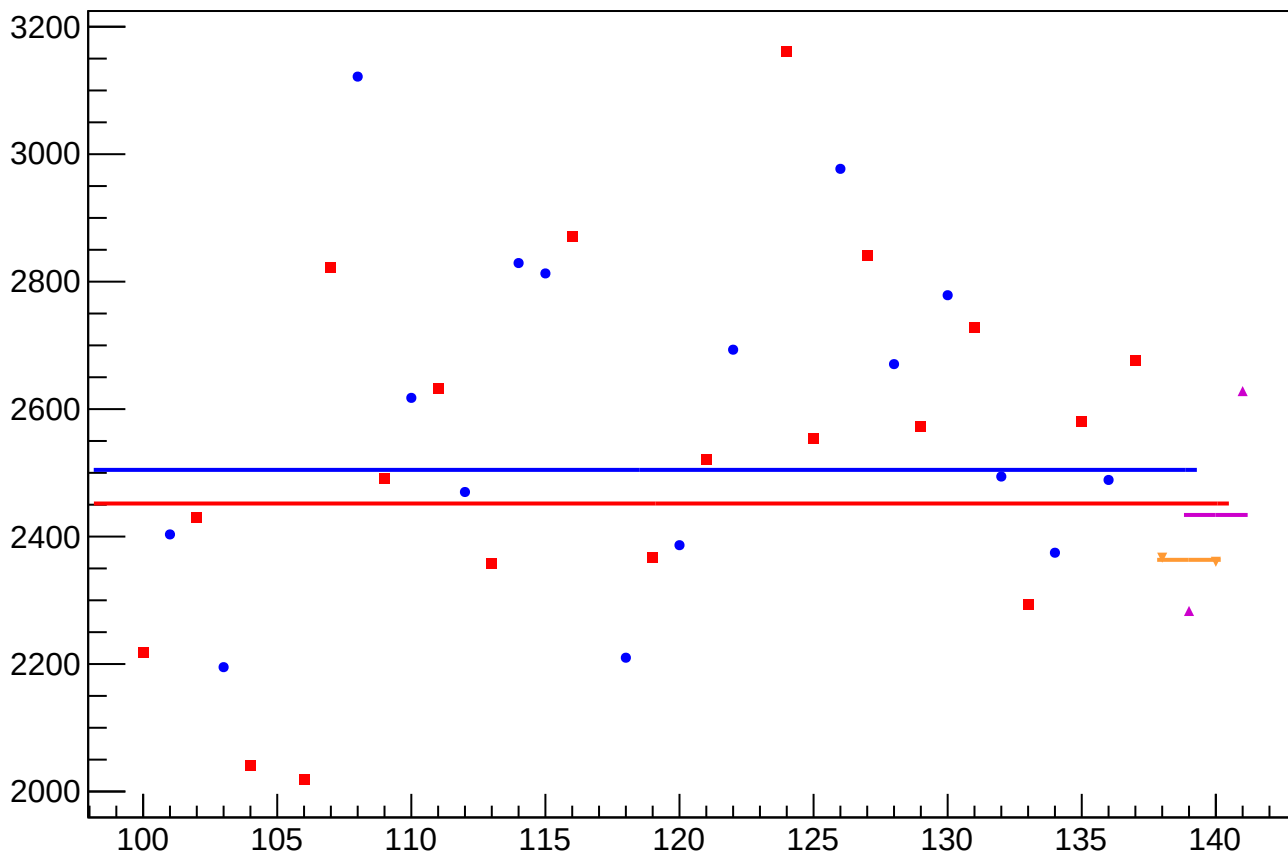
Left In: 20.900 ± 1.869 $\chi^2/\text{NDF}: 4.5/1$

+ sign 19.922 ± 0.837 $\chi^2/\text{NDF}: 891.3/17$

All: 1.916 ± 0.583 $\chi^2/\text{NDF}: 2820.0/38$

- sign -15.071 ± 0.813 $\chi^2/\text{NDF}: 1029.0/20$

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

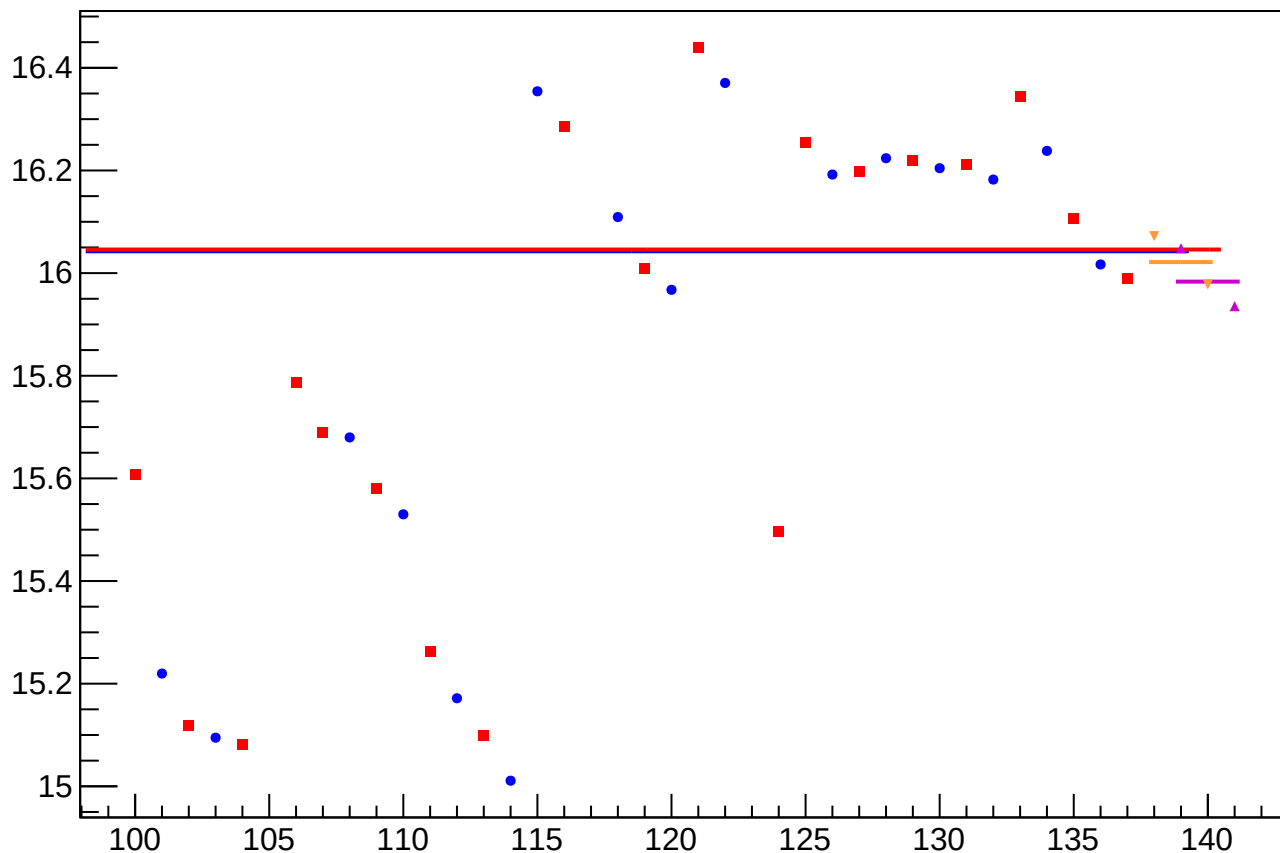
Left In: 2433.937+/-1.322 χ^2/NDF : 16755.0/1

+ sign 2476.144+/-0.592 χ^2/NDF : 135776.1/17

All: 2461.914+/-0.412 χ^2/NDF : 307041.6/38

- sign 2448.488+/-0.575 χ^2/NDF : 170141.5/20

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

Right Out: 16.046+/-0.000 χ^2 /NDF: 3552158387.5/18

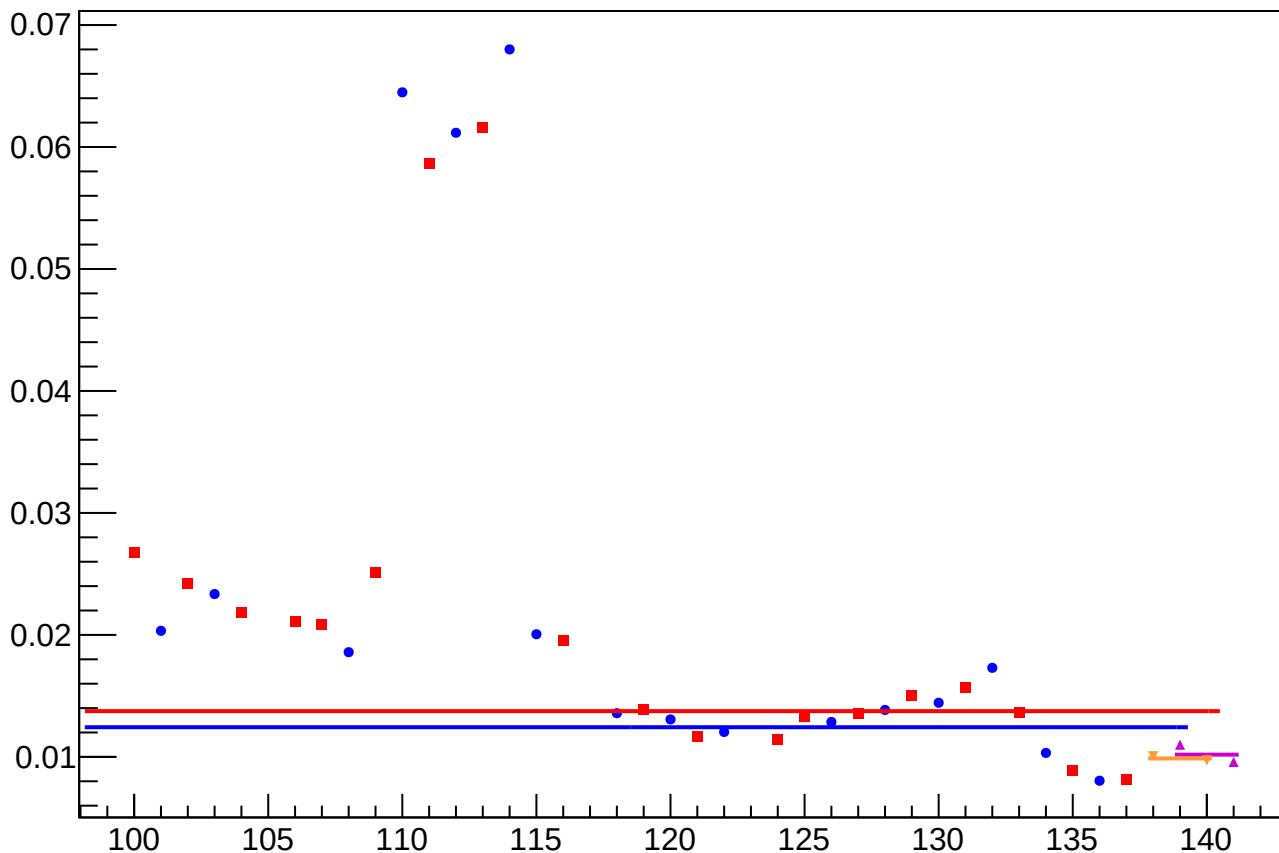
Left In: 15.983+/-0.000 χ^2 /NDF: 48962310.0/1

+ sign 16.036+/-0.000 χ^2 /NDF: 2879519463.6/17

All: 16.031+/-0.000 χ^2 /NDF: 6524279873.4/3

- sign 16.025+/-0.000 χ^2 /NDF: 3641465161.2/20

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

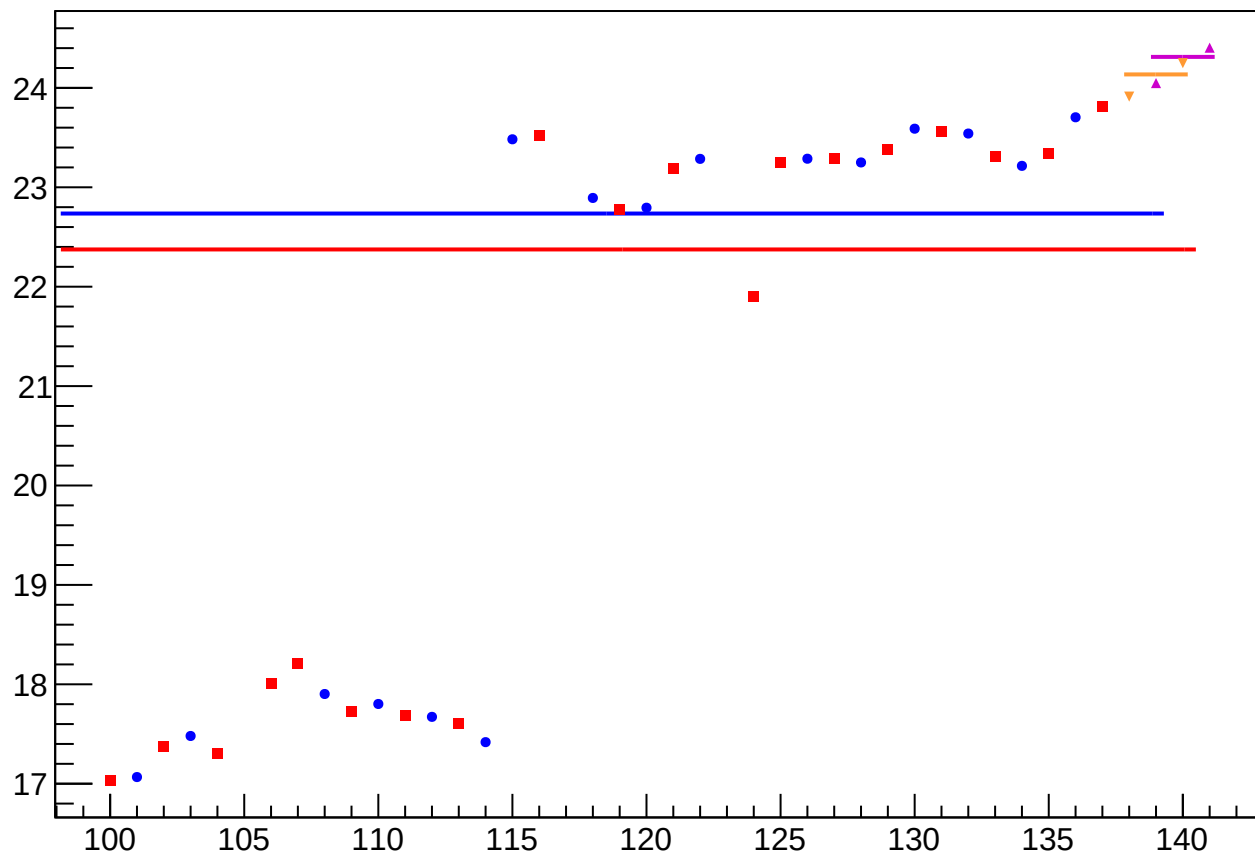
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:15324.0/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2459587.4/17

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5004748.3/38

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2508399.2/20

yield_sam2_mean vs Slug



Right In: 22.736 $\pm$ 0.000 χ^2 /NDF: 1220713728.0/15

Left Out: 24.136 $\pm$ 0.000 χ^2 /NDF: 2359460.5/1

Right Out: 22.375 $\pm$ 0.000 χ^2 /NDF: 1215661430.7/18

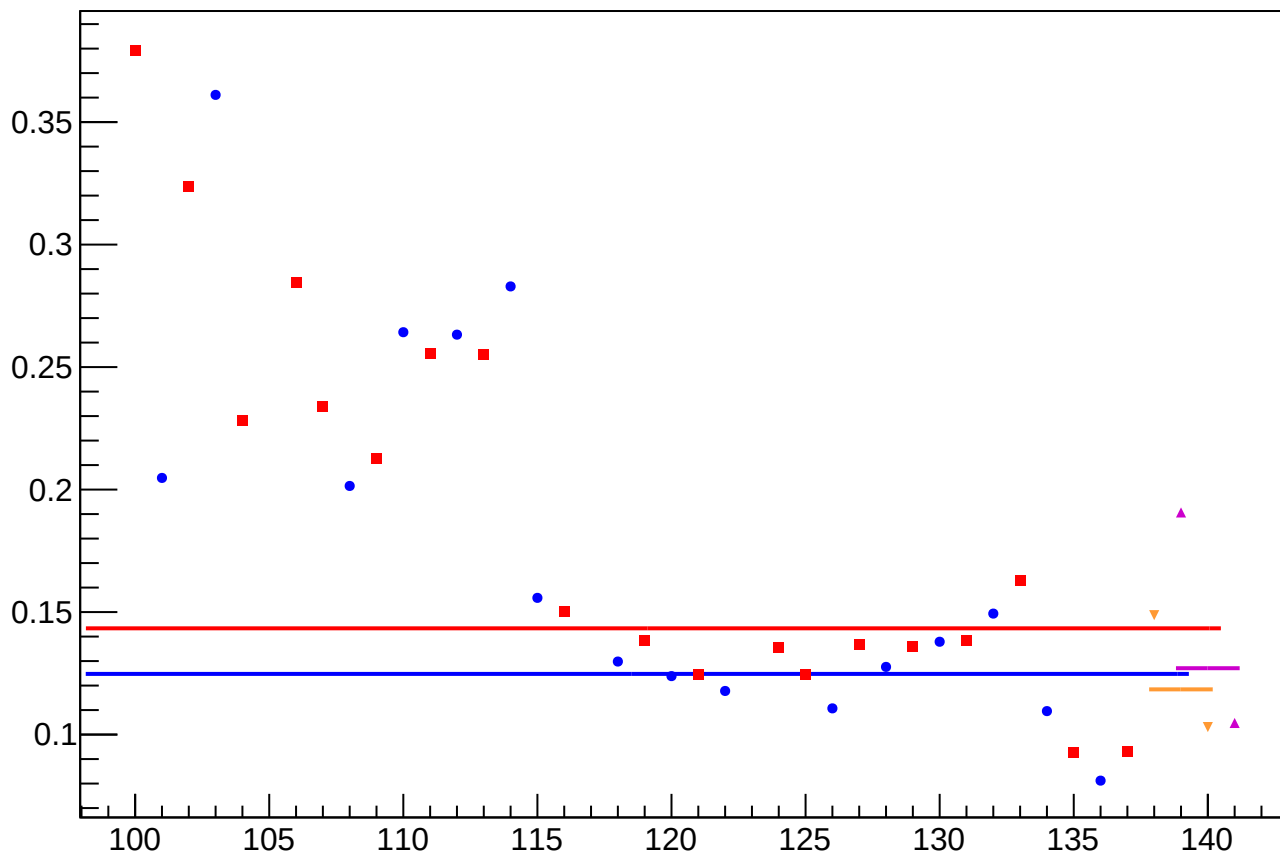
Left In: 24.312 $\pm$ 0.000 χ^2 /NDF: 2161256.9/1

+ sign 23.035 $\pm$ 0.000 χ^2 /NDF: 1366655068.1/17

All: 22.946 $\pm$ 0.000 χ^2 /NDF: 2844425260.7/3

- sign 22.841 $\pm$ 0.000 χ^2 /NDF: 1470273799.7/20

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF : 1749818.7/15

Left Out: 0.118+/-0.000 χ^2/NDF :86854.8/1

Right Out: 0.143+/-0.000 χ^2/NDF : 1570103.9/18

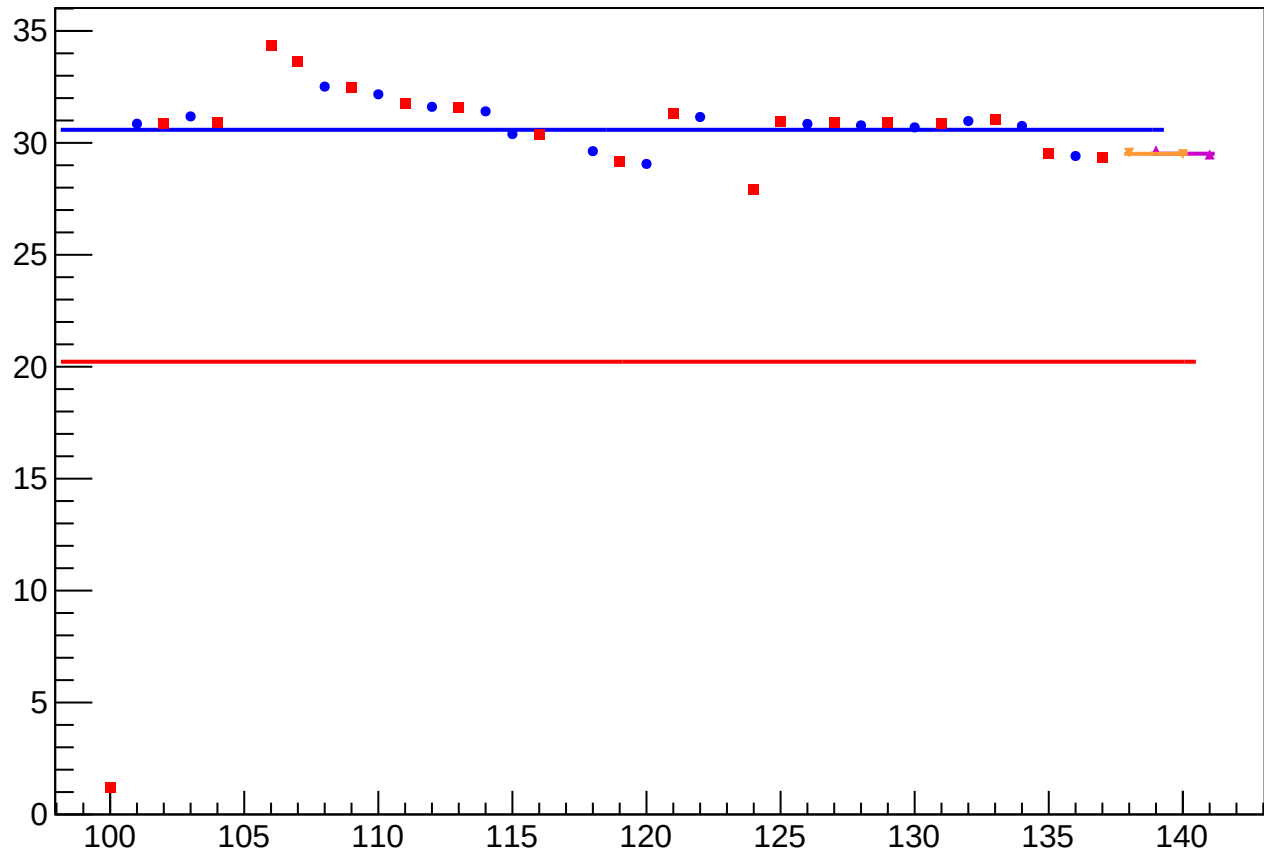
Left In: 0.127+/-0.000 χ^2/NDF :251752.3/1

+ sign 0.123+/-0.000 χ^2/NDF : 1842516.3/17

All: 0.131+/-0.000 χ^2/NDF : 3802747.4/38

- sign 0.139+/-0.000 χ^2/NDF : 1857516.9/20

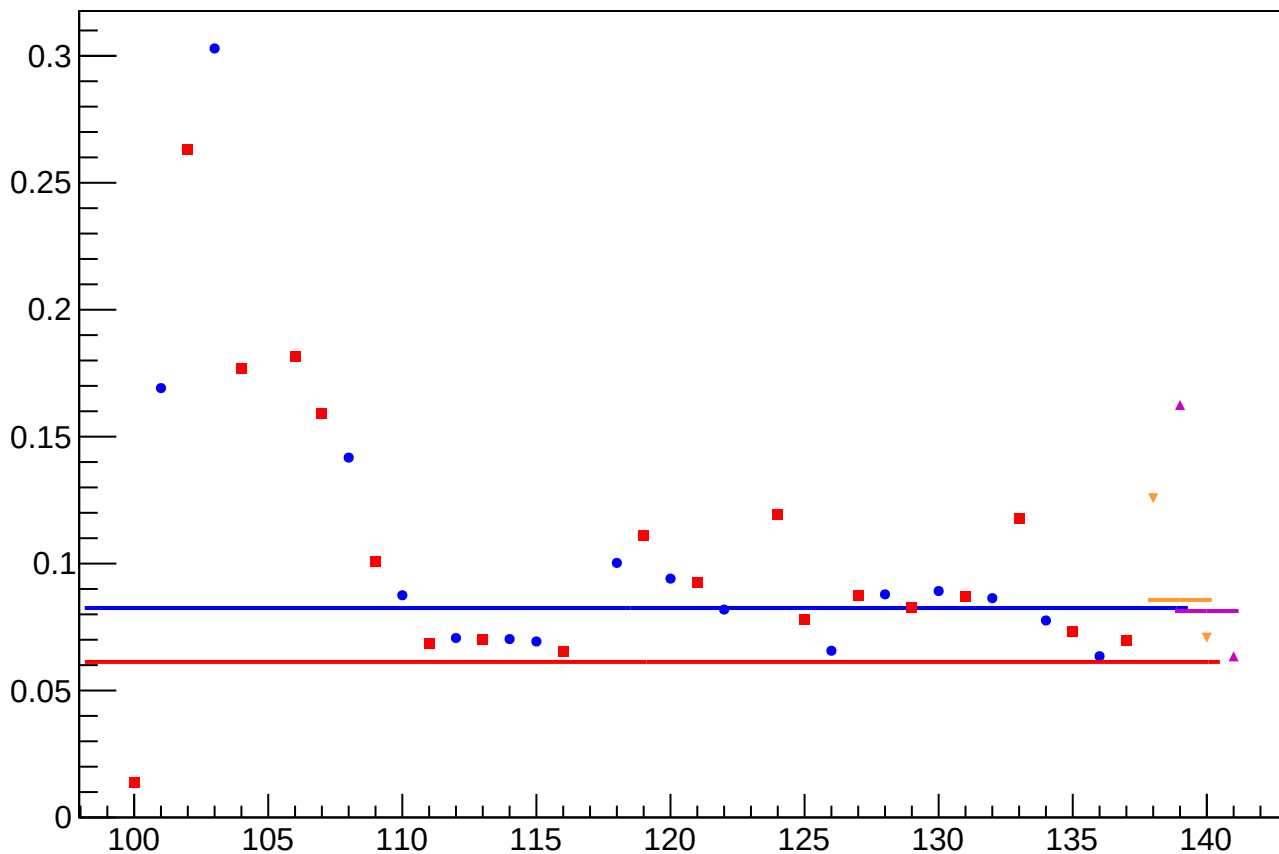
yield_sam3_mean vs Slug



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: 29.517 $\pm$ 0.000 χ^2 /NDF: 881061.0/1

+ sign 30.408 $\pm$ 0.000 χ^2 /NDF: 798722018.7/17
 All: 25.273 $\pm$ 0.000 χ^2 /NDF: 277354653917.
 - sign 21.507 $\pm$ 0.000 χ^2 /NDF: 234240527060.1/20

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

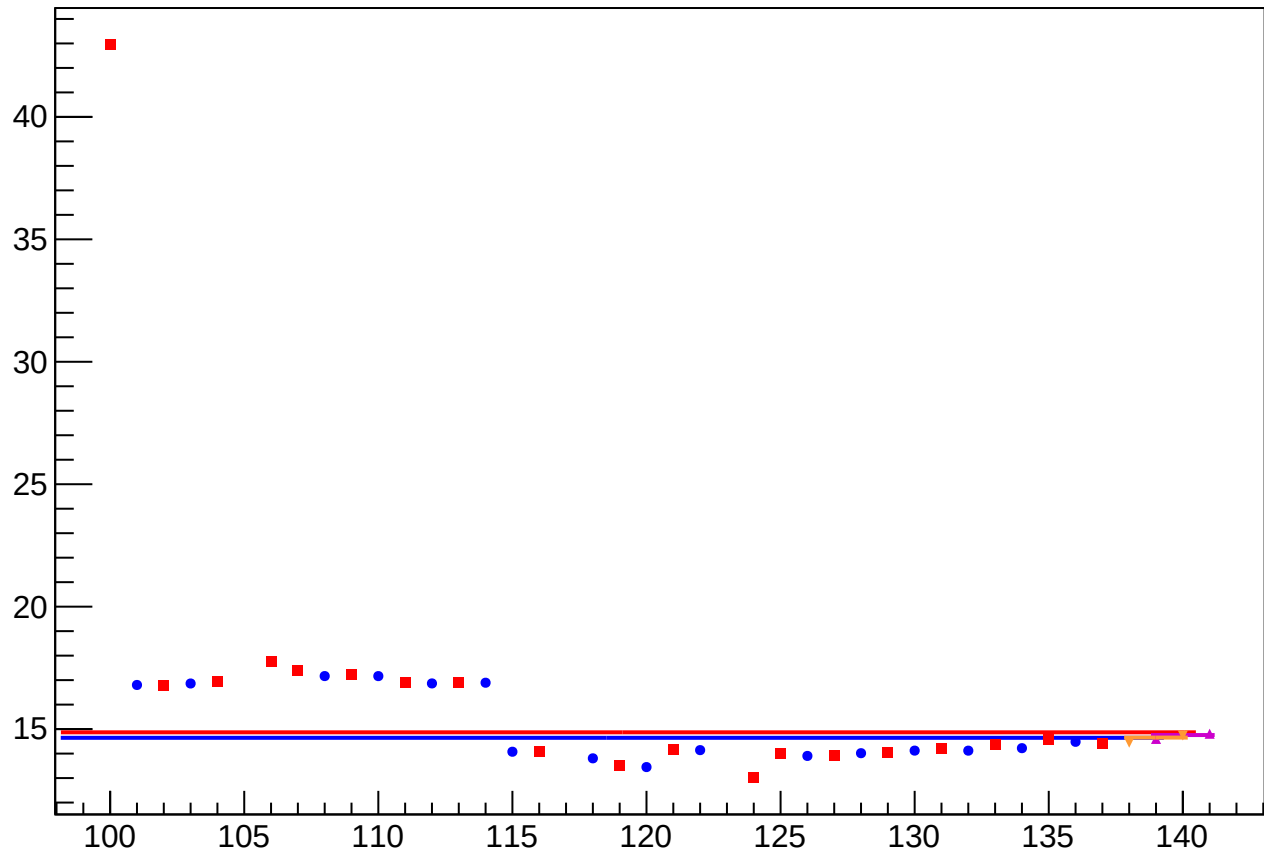
Left In: 0.081 $\pm$ 0.000 χ^2 /NDF:505053.7/1

+ sign 0.083 $\pm$ 0.000 χ^2 /NDF: 1445090.2/17

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 6470456.8/38

- sign 0.064 $\pm$ 0.000 χ^2 /NDF: 4640304.0/20

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF : 1193913109.5/15

Left Out: 14.654+/-0.000 χ^2/NDF : 3075729.7/1

Right Out: 14.868+/-0.000 χ^2/NDF : 1730040006.8/18

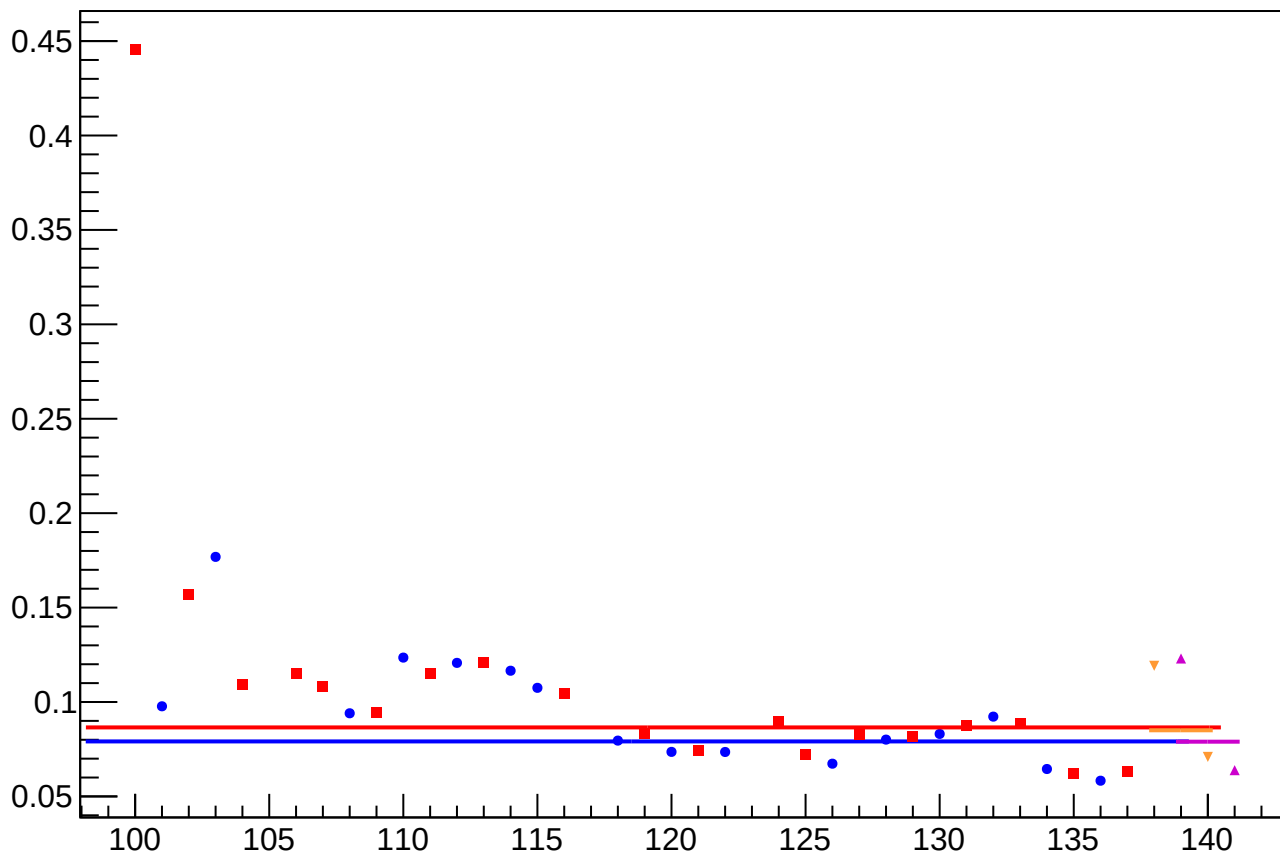
Left In: 14.757+/-0.000 χ^2/NDF : 1795161.5/1

+ sign 14.646+/-0.000 χ^2/NDF : 1197000984.3/17

All: 14.742+/-0.000 χ^2/NDF : 2952226410.1/3

- sign 14.845+/-0.000 χ^2/NDF : 1733916568.9/20

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF : 918198.7/15

Left Out: 0.085+/-0.000 χ^2/NDF : 165821.6/1

Right Out: 0.087+/-0.000 χ^2/NDF : 793345.8/18

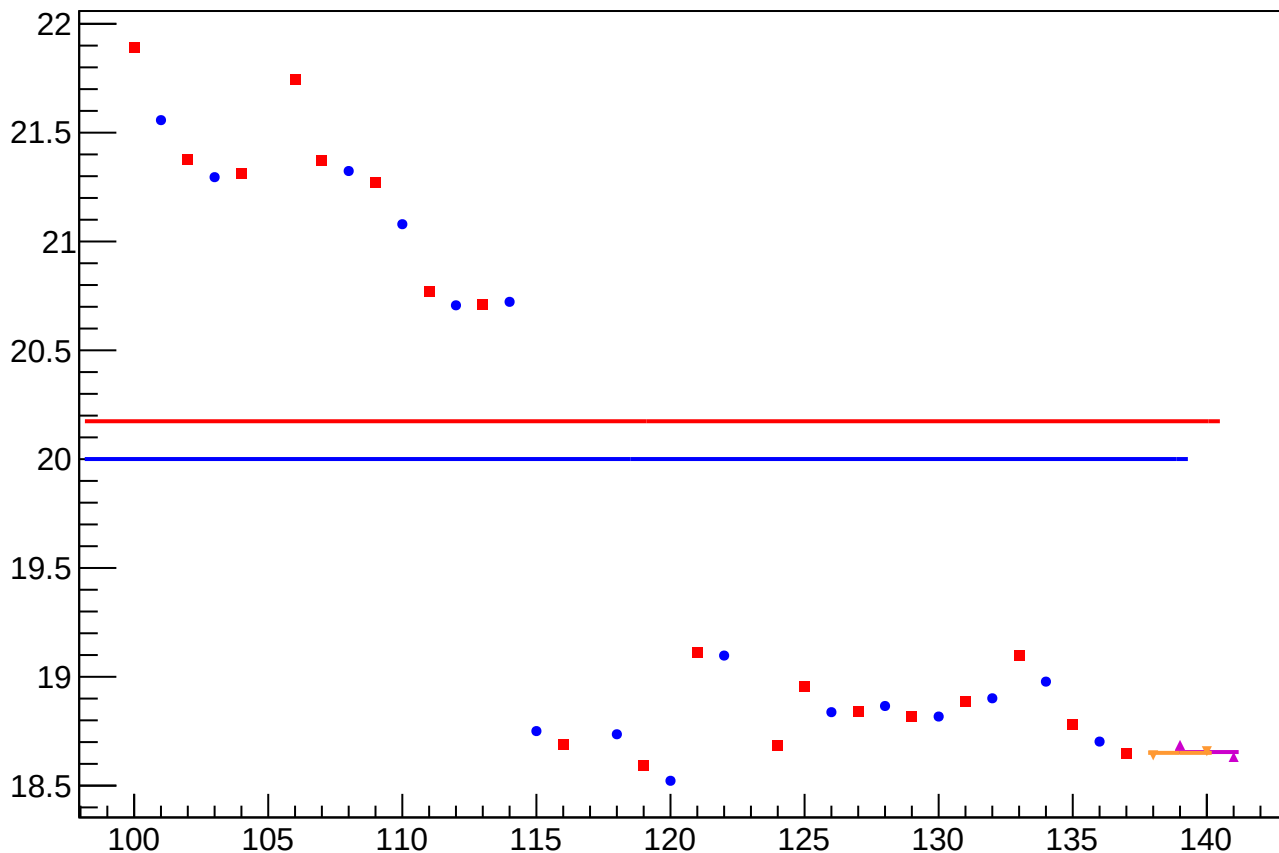
Left In: 0.079+/-0.000 χ^2/NDF : 281880.3/1

+ sign 0.080+/-0.000 χ^2/NDF : 1094141.7/17

All: 0.082+/-0.000 χ^2/NDF : 2214884.1/38

- sign 0.085+/-0.000 χ^2/NDF : 1094488.0/20

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF : 10878846617.7/15

Left Out: 18.651+/-0.000 χ^2/NDF : 102838.7/1

Right Out: 20.174+/-0.000 χ^2/NDF : 10426322430.8/18

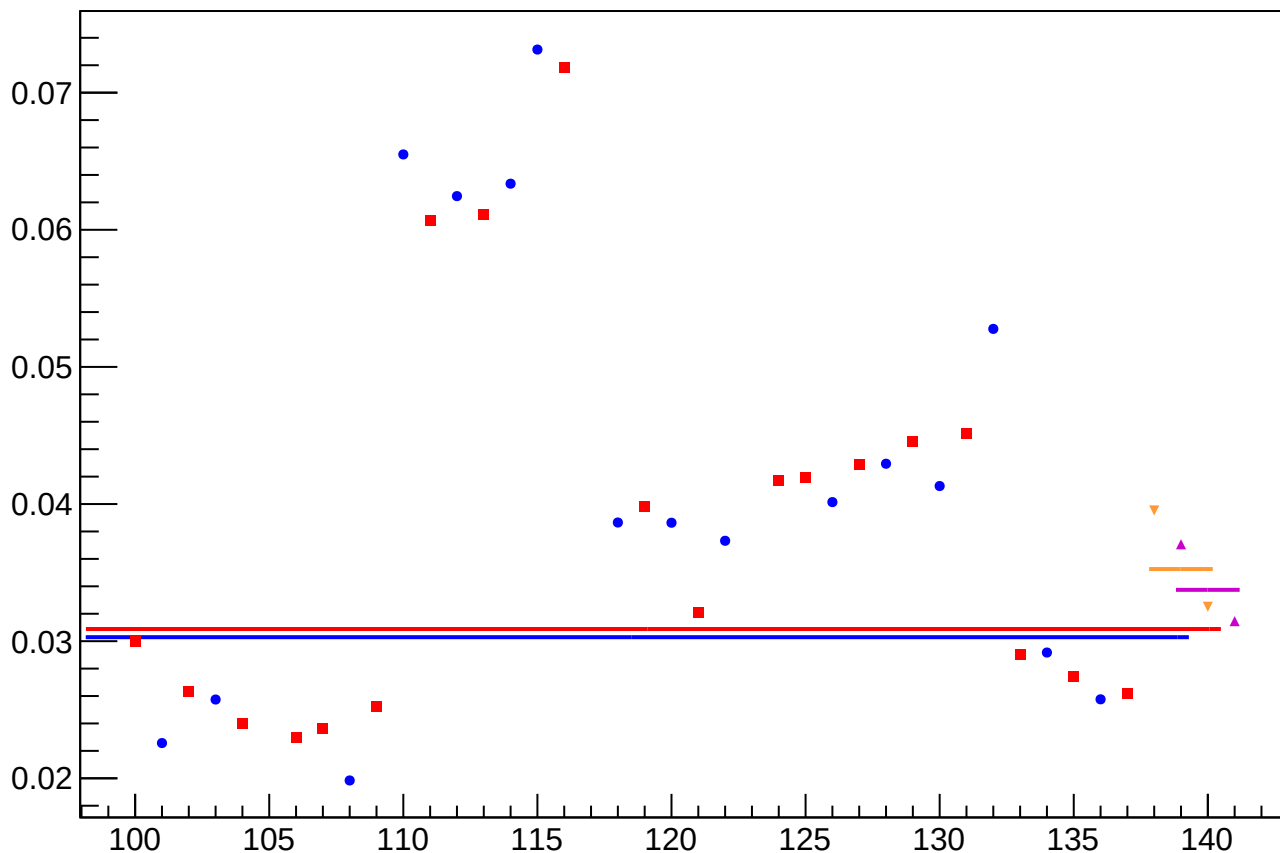
Left In: 18.654+/-0.000 χ^2/NDF : 1053320.6/1

+ sign 19.789+/-0.000 χ^2/NDF : 12734247615.6/17

All: 19.846+/-0.000 χ^2/NDF : 25917648883.2

- sign 19.901+/-0.000 χ^2/NDF : 13134415888.1/20

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1447374.9/15

Left Out: 0.035+/-0.000 χ^2/NDF : 28349.2/1

Right Out: 0.031+/-0.000 χ^2/NDF : 1204729.6/18

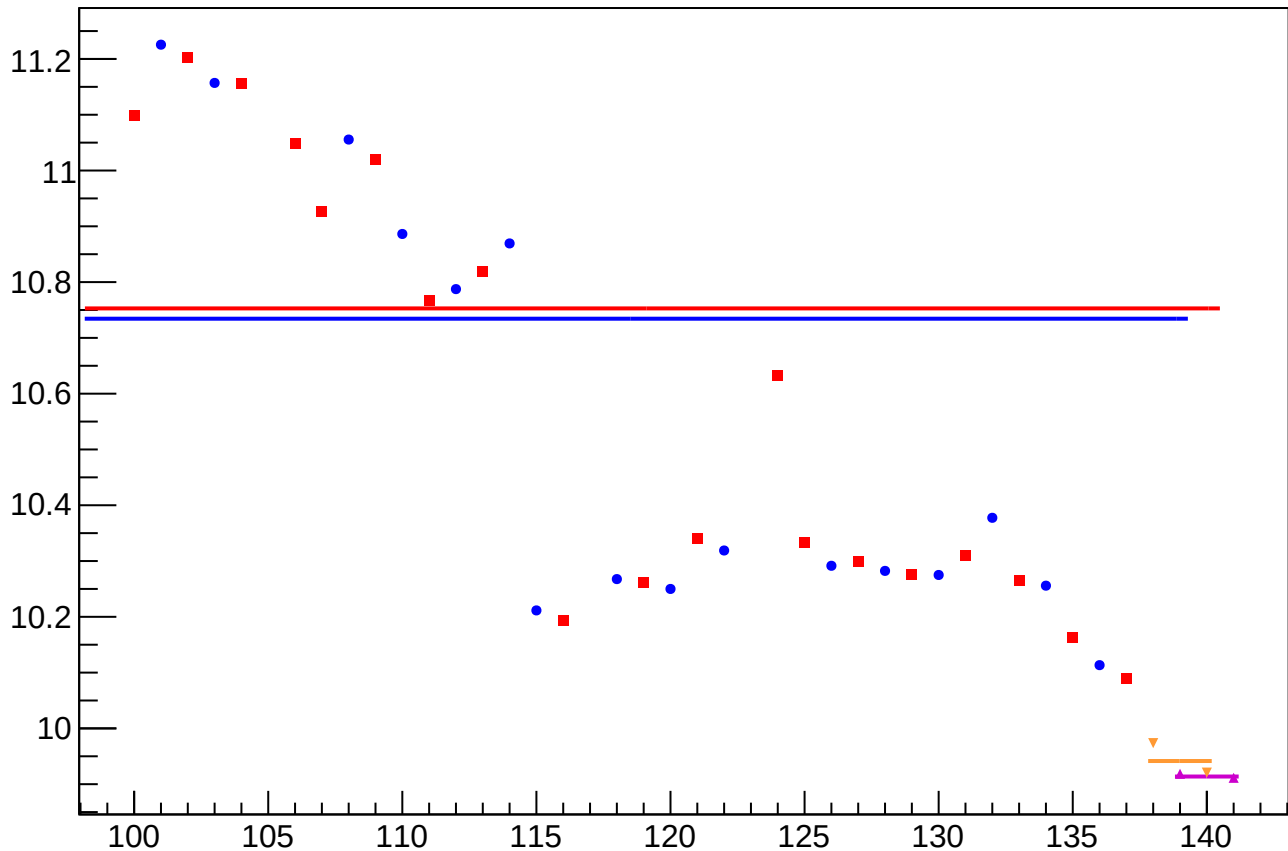
Left In: 0.034+/-0.000 χ^2/NDF : 21697.1/1

+ sign 0.031+/-0.000 χ^2/NDF : 1525997.8/17

All: 0.031+/-0.000 χ^2/NDF : 2772436.5/38

- sign 0.031+/-0.000 χ^2/NDF : 1245576.8/20

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF : 5879444478.4/15

Left Out: 9.942+/-0.000 χ^2/NDF : 2478306.9/1

Right Out: 10.753+/-0.000 χ^2/NDF : 4344265704.2/18

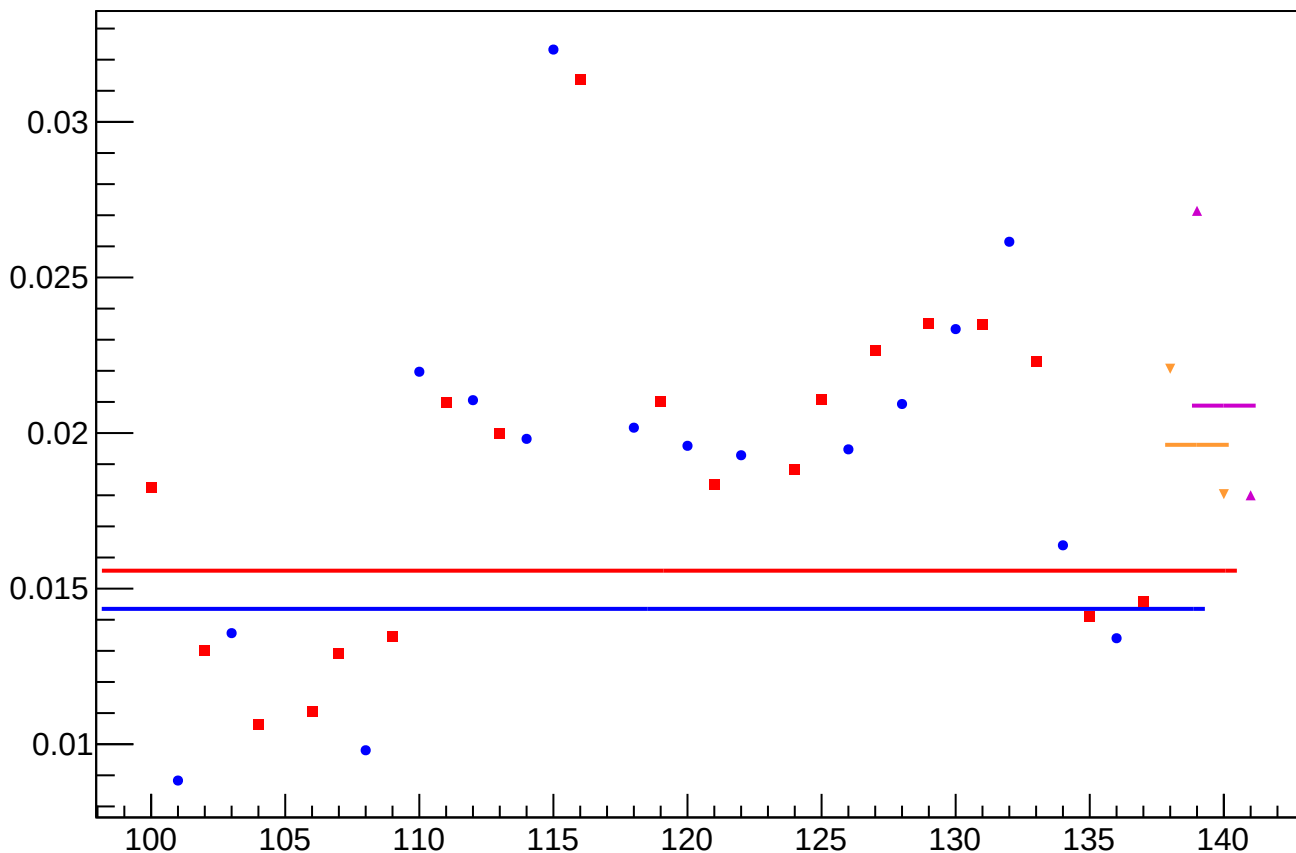
Left In: 9.914+/-0.000 χ^2/NDF : 39953.0/1

+ sign 10.640+/-0.000 χ^2/NDF : 7941967654.5/17

All: 10.645+/-0.000 χ^2/NDF : 14502828446.7

- sign 10.649+/-0.000 χ^2/NDF : 6559630797.2/20

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF : 28851.9/1

Right Out: 0.016+/-0.000 χ^2/NDF : 1071979.1/18

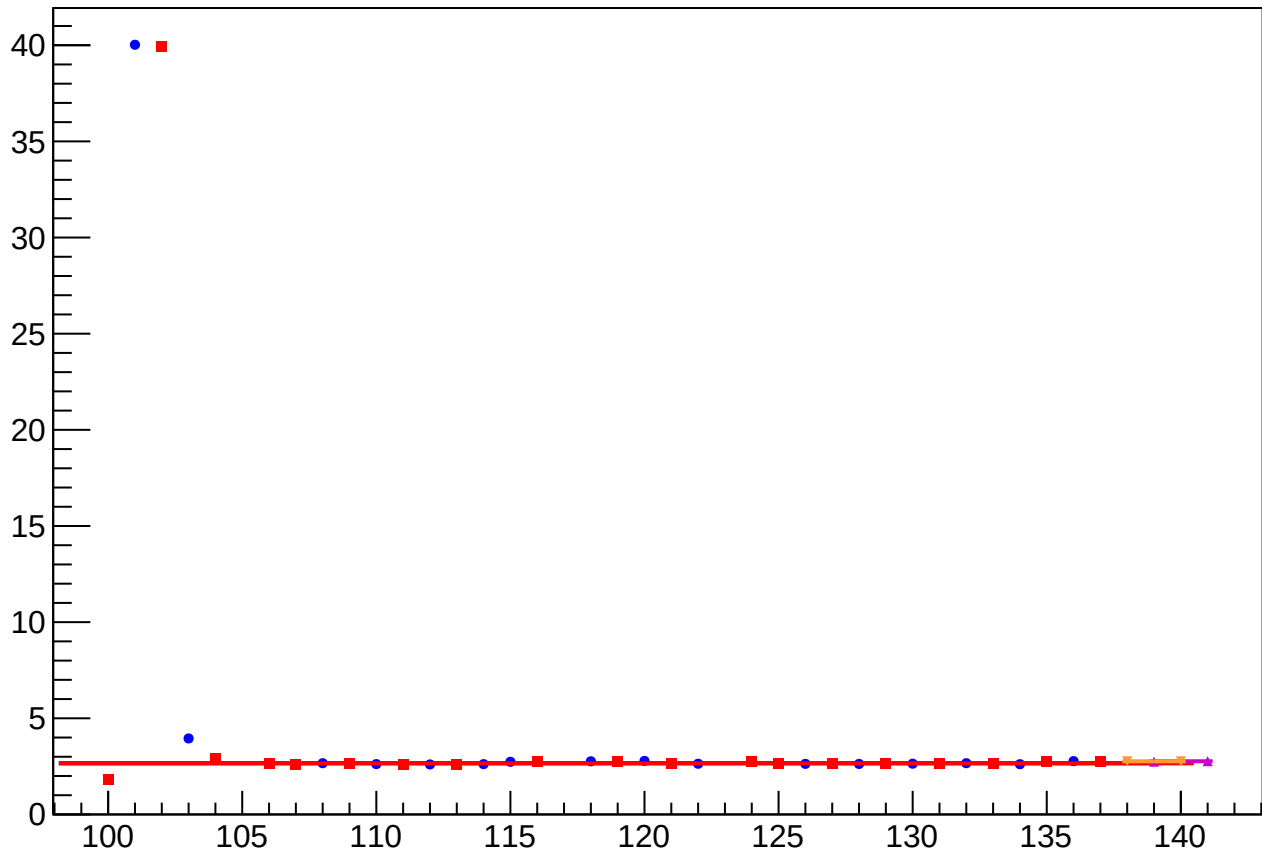
Left In: 0.021+/-0.000 χ^2/NDF : 129492.0/1

+ sign 0.015+/-0.000 χ^2/NDF : 1692819.3/17

All: 0.016+/-0.000 χ^2/NDF : 3118940.3/38

- sign 0.016+/-0.000 χ^2/NDF : 1378531.4/20

yield_sam7_mean vs Slug



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 67839888284.3/15

Left Out: 2.763 $\pm$ 0.000 χ^2 /NDF:326152.4/1

Right Out: 2.656 $\pm$ 0.000 χ^2 /NDF: 65056887880.1/18

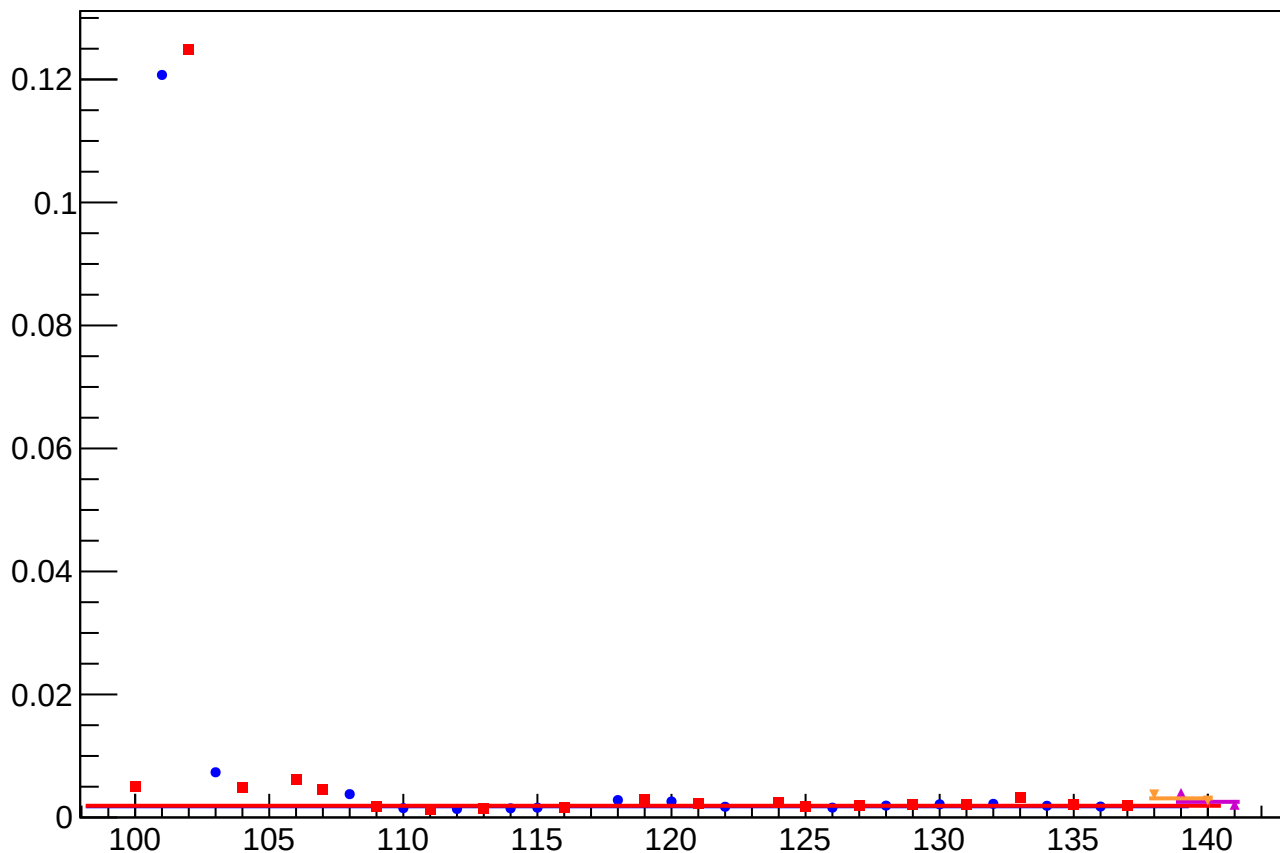
Left In: 2.766 $\pm$ 0.000 χ^2 /NDF:27223053.2/1

+ sign 2.672 $\pm$ 0.000 χ^2 /NDF: 69080460186.9/17

All: 2.671 $\pm$ 0.000 χ^2 /NDF: 136341243611.1

- sign 2.671 $\pm$ 0.000 χ^2 /NDF: 67258110276.8/20

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

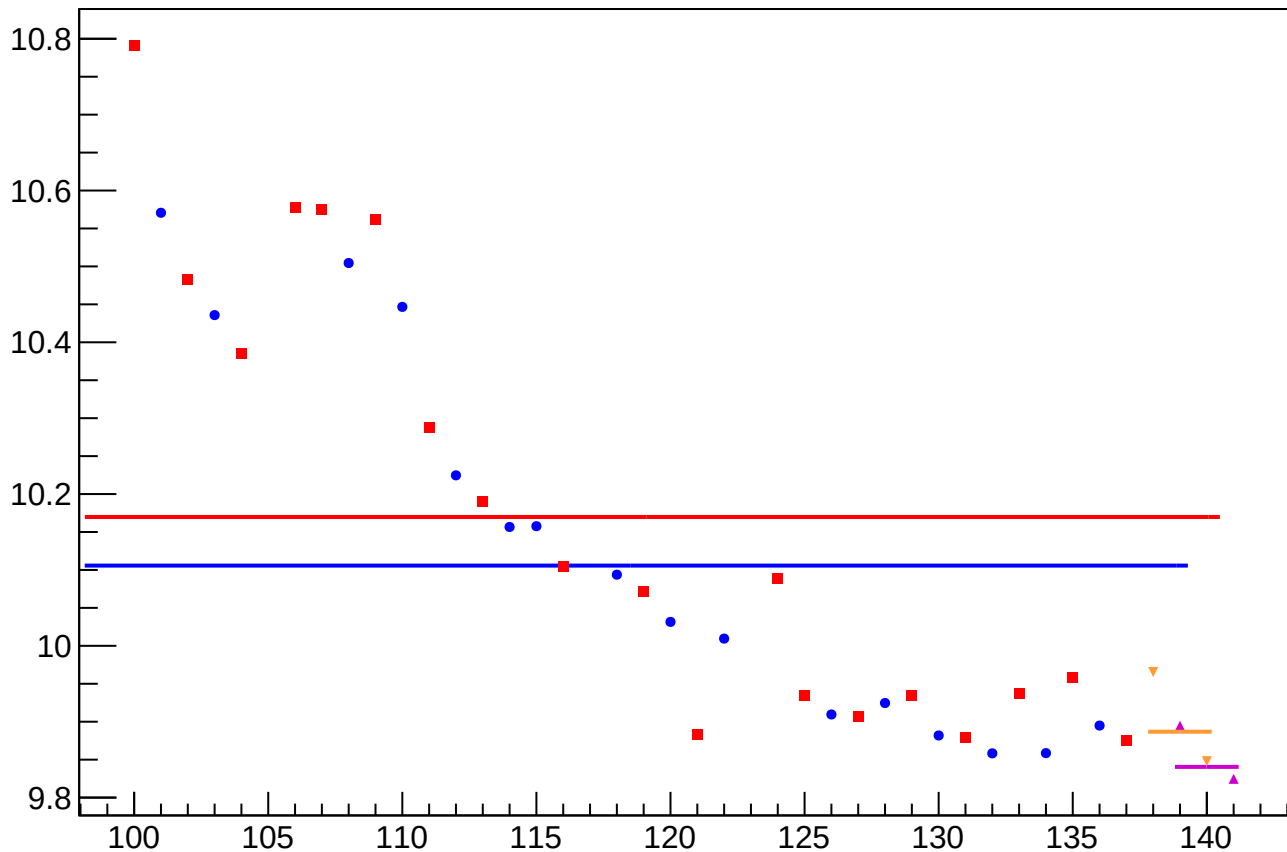
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:276970.4/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2305133.2/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5260737.1/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2950798.5/20

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF : 9126550621.3/15

Left Out: 9.887+/-0.000 χ^2/NDF : 41232702.2/1

Right Out: 10.170+/-0.000 χ^2/NDF : 9135610954.1/18

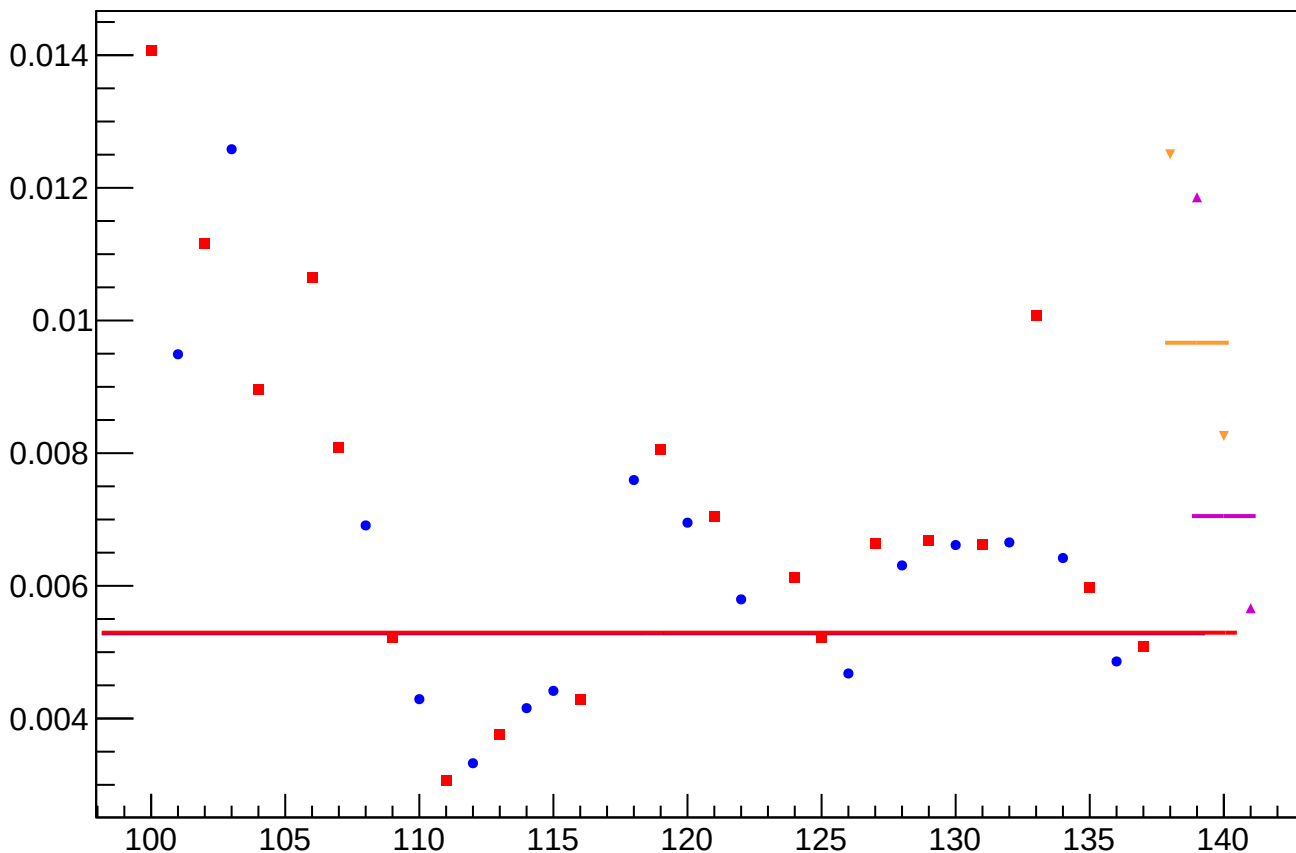
Left In: 9.840+/-0.000 χ^2/NDF : 21200876.0/1

+ sign 10.091+/-0.000 χ^2/NDF : 9771082623.4/17

All: 10.113+/-0.000 χ^2/NDF : 21507795996.5

- sign 10.133+/-0.000 χ^2/NDF : 11553912114.7/20

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1274133.0/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:107497.2/1

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1792250.8/18

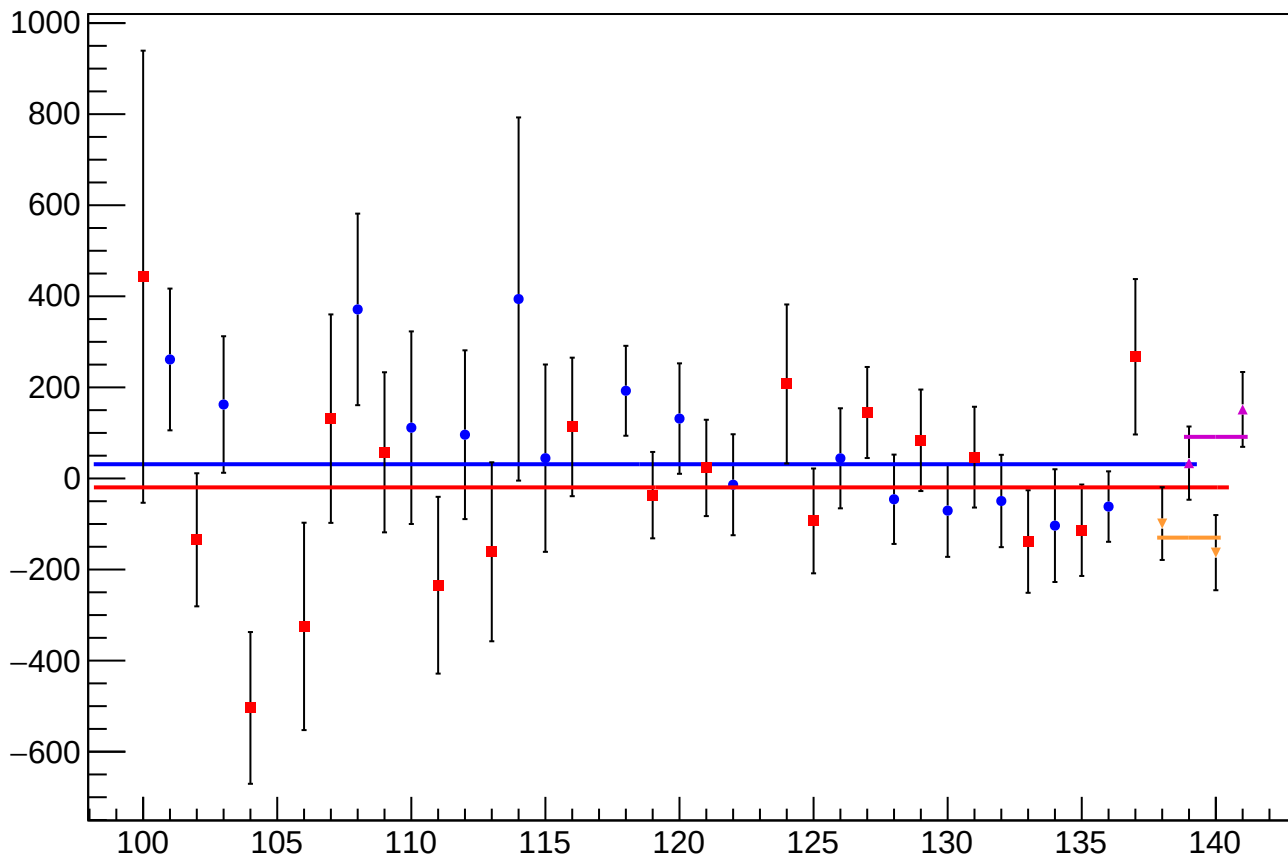
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:332480.4/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1864765.9/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4127426.3/38

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2261350.6/20

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

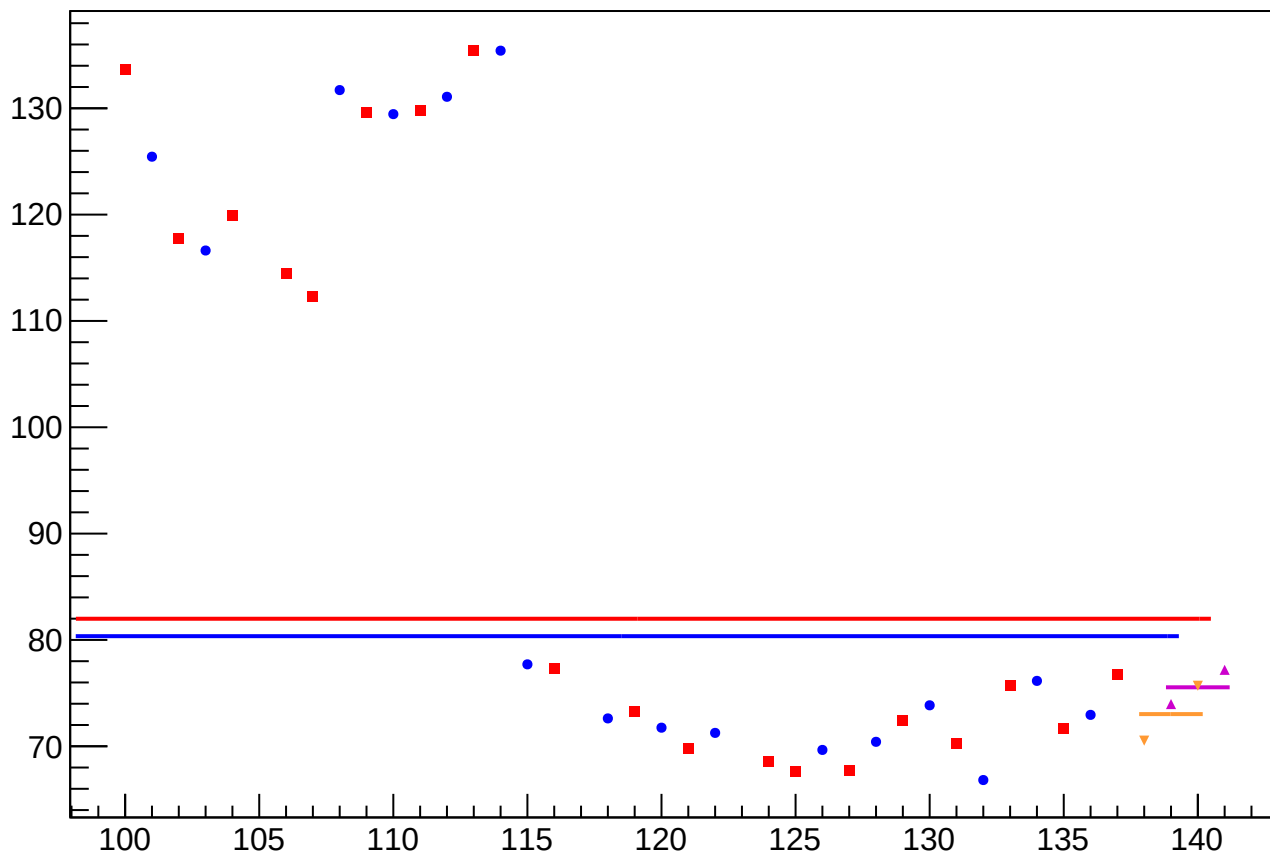
Left In: 91.349 $\pm$ 57.474 χ^2 /NDF: 1.1/1

+ sign -4.762 $\pm$ 27.131 χ^2 /NDF: 21.5/17

All: 0.331 $\pm$ 19.252 χ^2 /NDF: 51.4/38

- sign 5.498 $\pm$ 27.324 χ^2 /NDF: 29.8/20

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

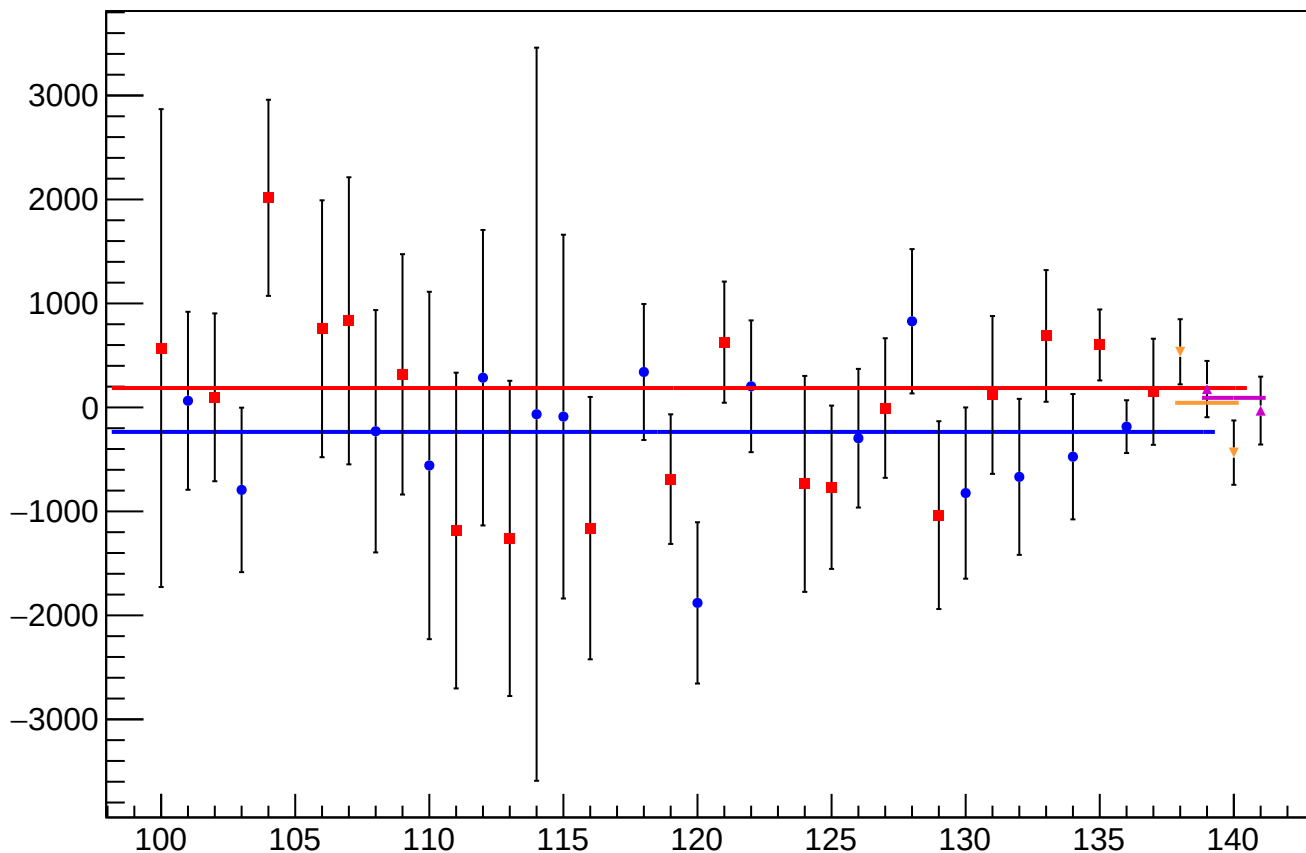
Left In: 75.545 $\pm$ 0.041 χ^2 /NDF:1568.0/1

+ sign 78.717 $\pm$ 0.019 χ^2 /NDF: 869397.3/17

All: 79.620 $\pm$ 0.014 χ^2 /NDF: 1827247.8/38

- sign 80.536 $\pm$ 0.019 χ^2 /NDF: 953388.4/20

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 44.214 ± 220.132 χ^2/NDF : 4.9/1

Right Out: 186.618 ± 170.394 χ^2/NDF : 16.0/18

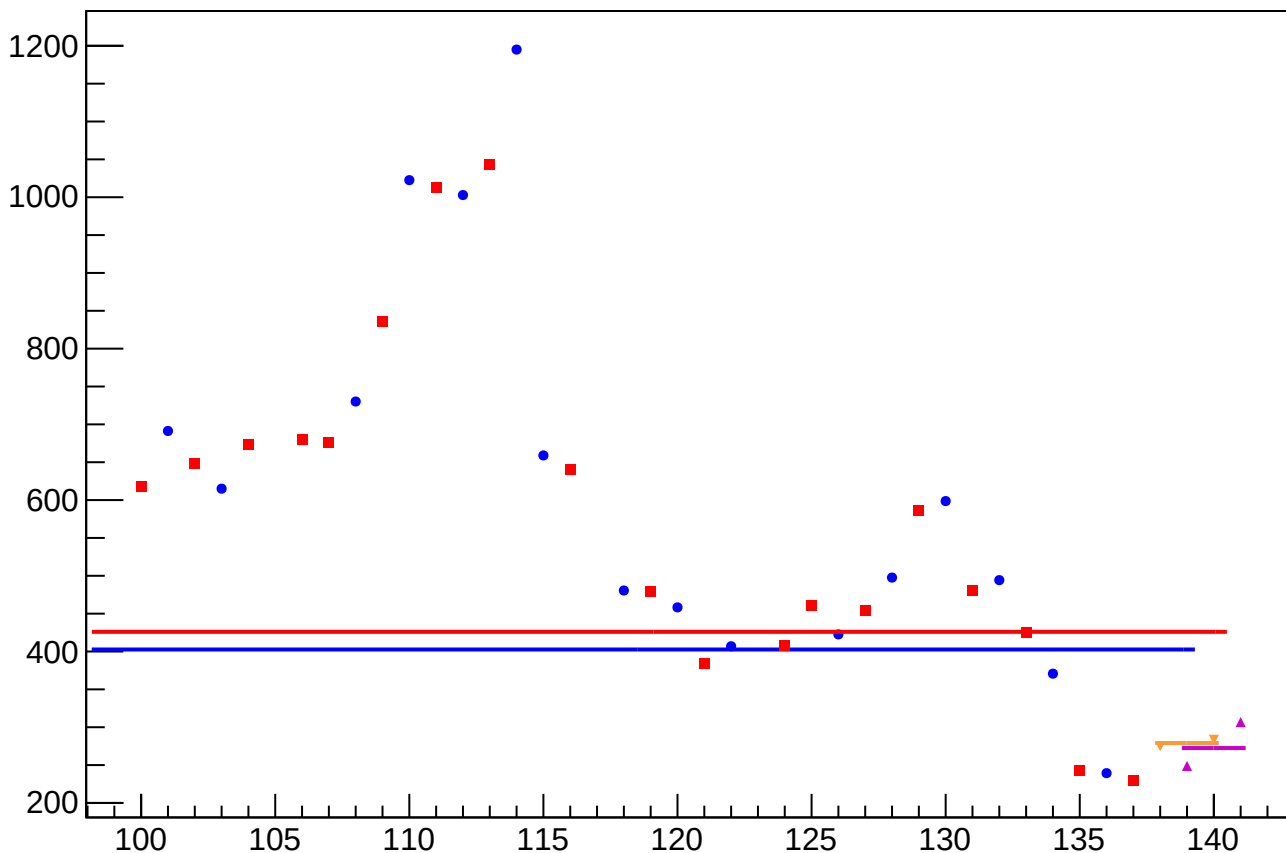
Left In: 92.033 ± 208.379 χ^2/NDF : 0.2/1

+ sign -135.860 ± 131.393 χ^2/NDF : 15.8/17

All: 5.872 ± 93.091 χ^2/NDF : 34.5/38

- sign 148.717 ± 131.908 χ^2/NDF : 16.3/20

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

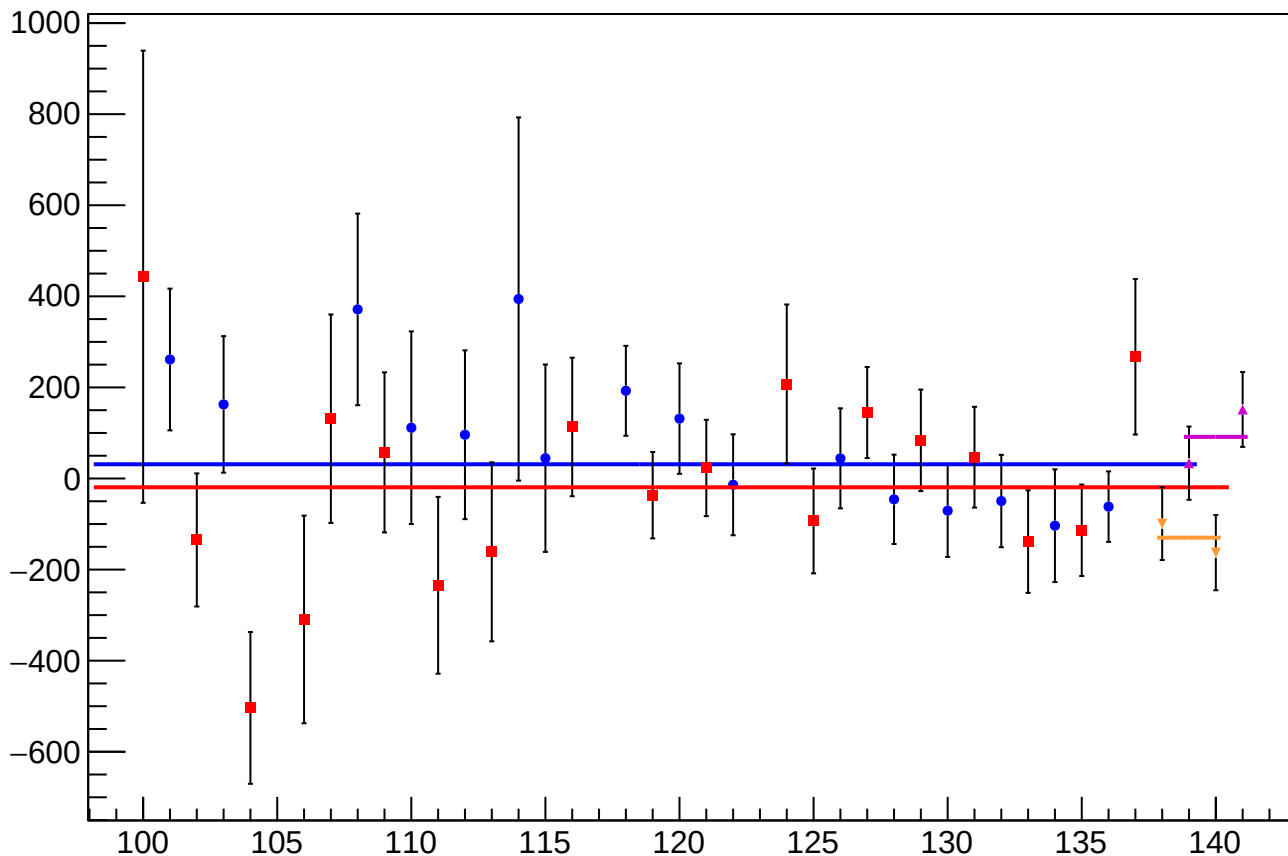
Left In: 272.510 $\pm$ 0.147 χ^2/NDF : 37258.4/1

+ sign 358.657 $\pm$ 0.093 χ^2/NDF : 2766113.7/17

All: 361.558 $\pm$ 0.066 χ^2/NDF : 5824256.3/38

- sign 364.482 $\pm$ 0.093 χ^2/NDF : 3056184.9/20

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

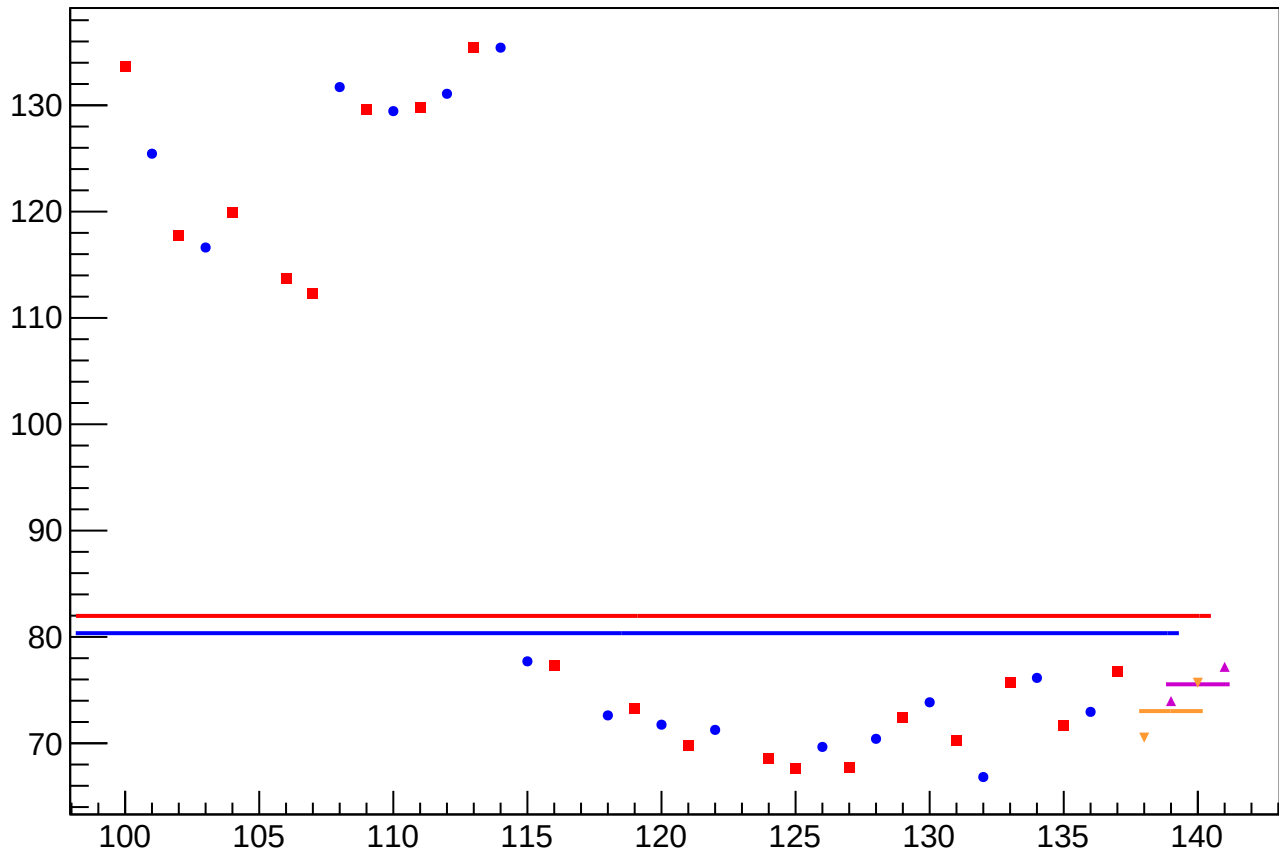
Left In: 91.346 $\pm$ 57.474 χ^2 /NDF: 1.1/1

+ sign -4.752 $\pm$ 27.131 χ^2 /NDF: 21.5/17

All: 0.448 $\pm$ 19.252 χ^2 /NDF: 51.2/38

- sign 5.724 $\pm$ 27.325 χ^2 /NDF: 29.6/20

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

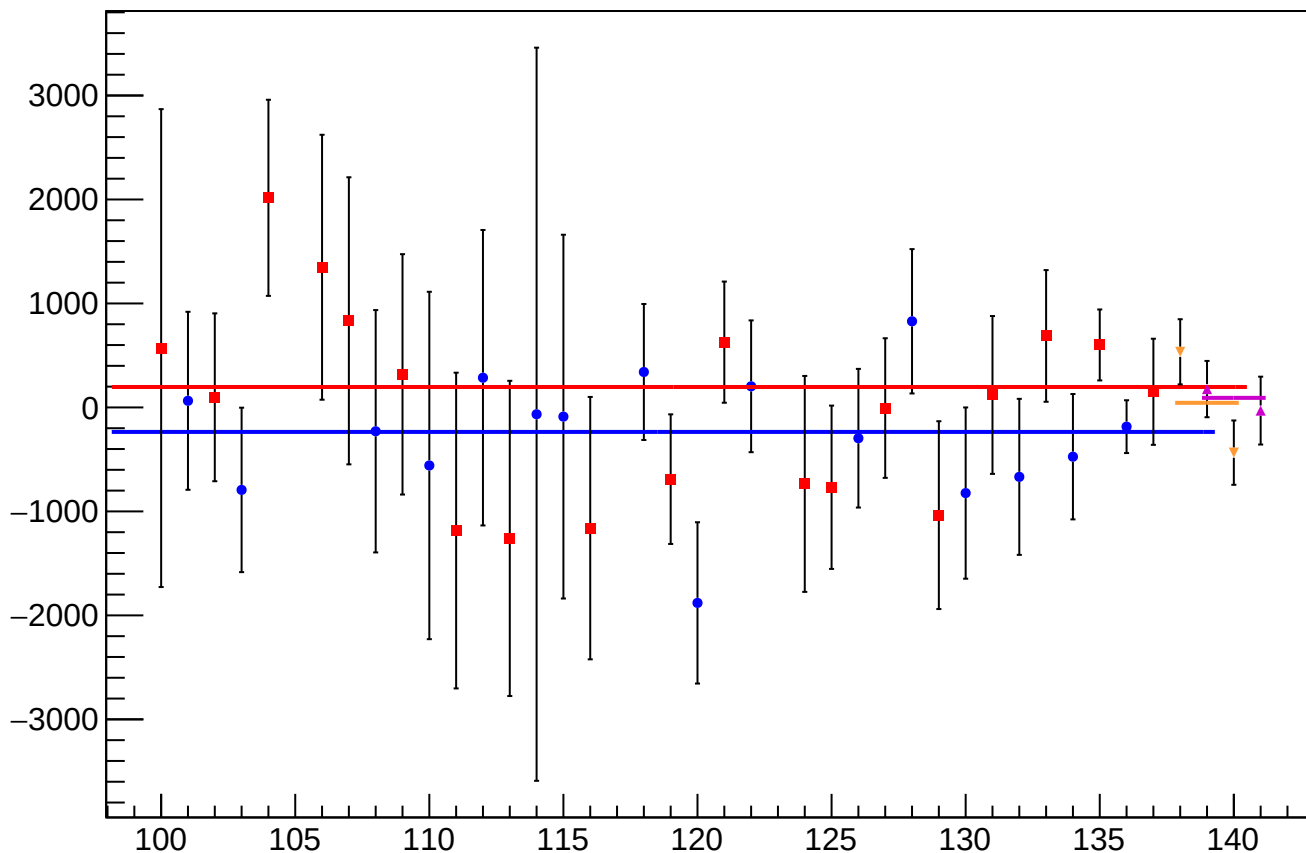
Left In: 75.545 $\pm$ 0.041 χ^2 /NDF:1568.0/1

+ sign 78.717 $\pm$ 0.019 χ^2 /NDF: 869397.5/17

All: 79.614 $\pm$ 0.014 χ^2 /NDF: 1825228.3/38

- sign 80.524 $\pm$ 0.019 χ^2 /NDF: 951426.1/20

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 44.217 ± 220.132 χ^2/NDF : 4.9/1

Right Out: 196.579 ± 170.492 χ^2/NDF : 16.6/18

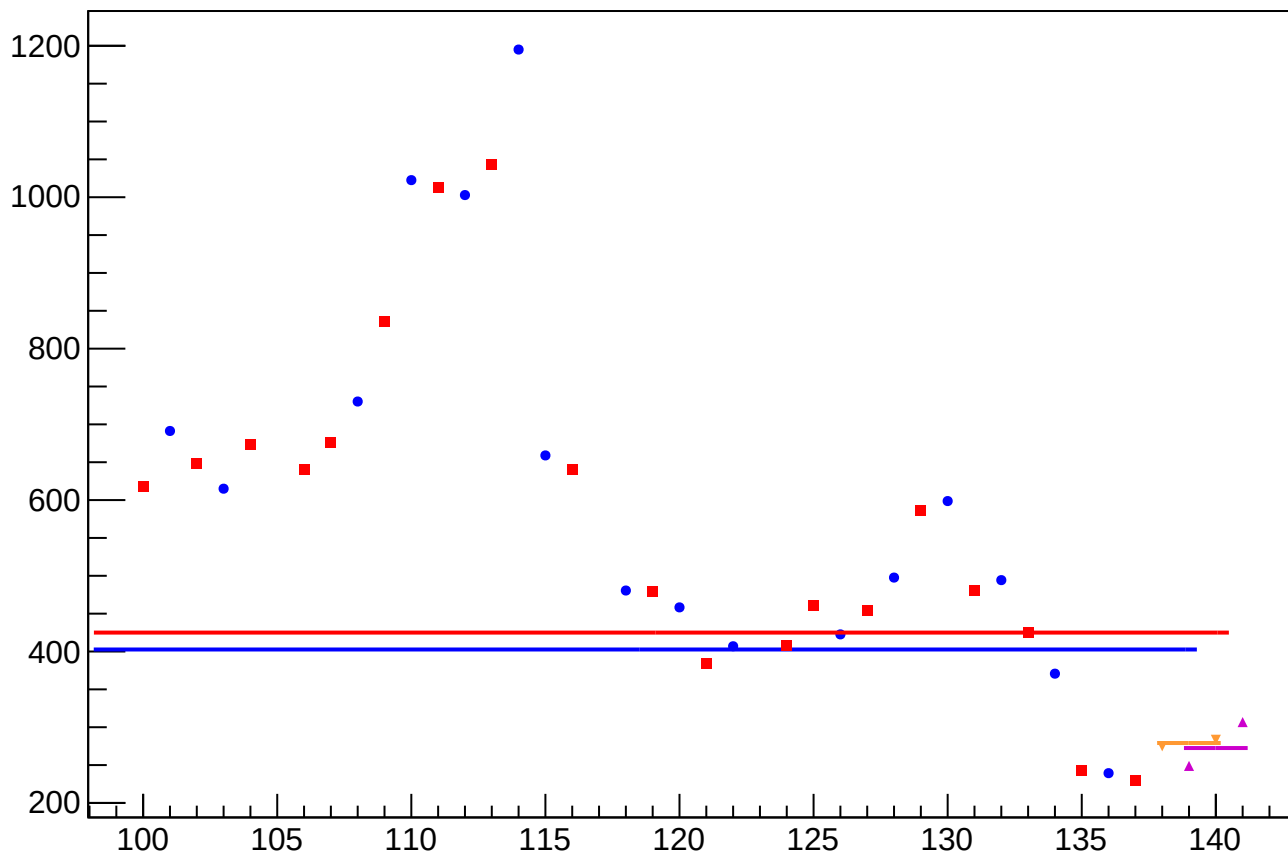
Left In: 92.033 ± 208.379 χ^2/NDF : 0.2/1

+ sign -135.857 ± 131.393 χ^2/NDF : 15.8/17

All: 8.782 ± 93.106 χ^2/NDF : 35.2/38

- sign 154.657 ± 131.954 χ^2/NDF : 17.0/20

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2/NDF : 2360087.3/15

Left Out: 279.154 $\pm$ 0.156 χ^2/NDF : 771.0/1

Right Out: 424.988 $\pm$ 0.121 χ^2/NDF : 2341027.2/18

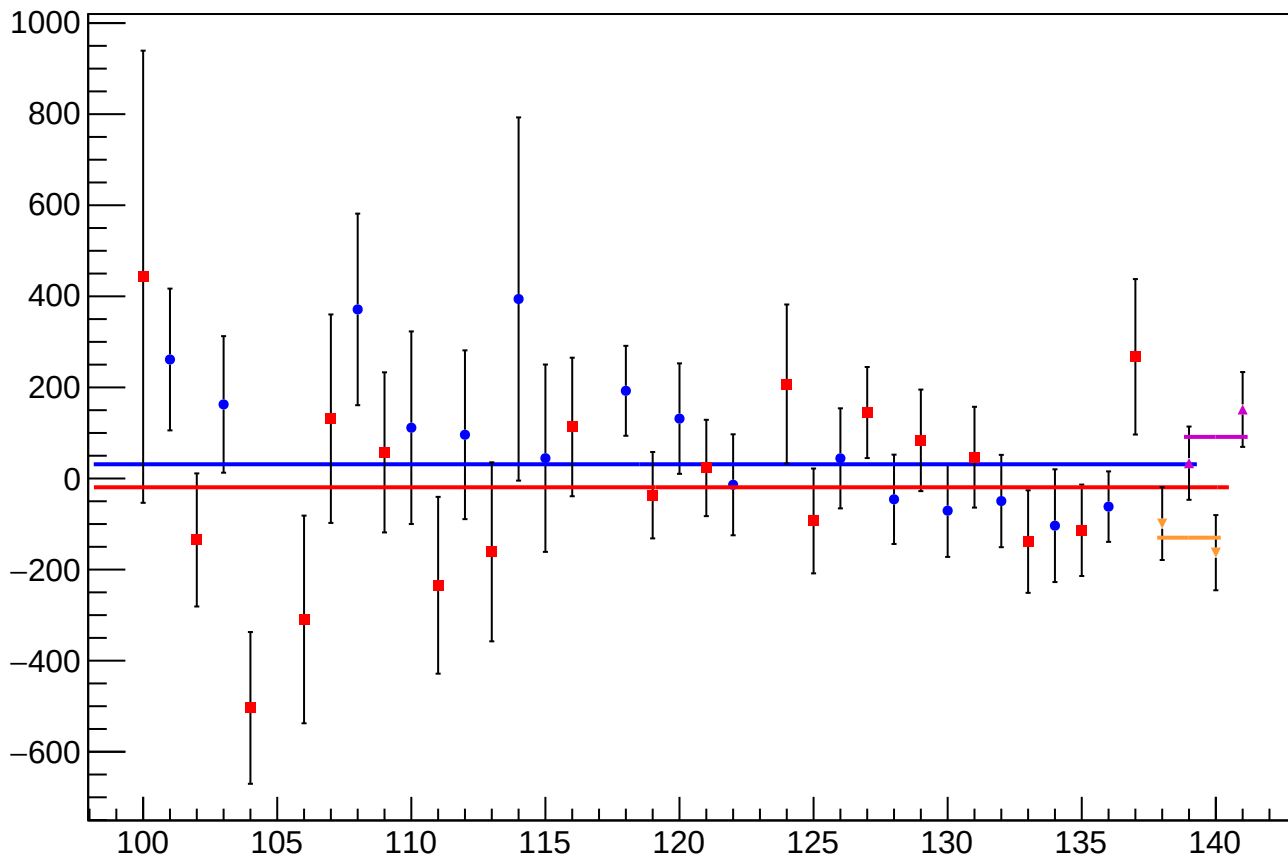
Left In: 272.509 $\pm$ 0.147 χ^2/NDF : 37257.5/1

+ sign 358.657 $\pm$ 0.093 χ^2/NDF : 2766115.3/17

All: 361.240 $\pm$ 0.066 χ^2/NDF : 5787417.8/38

- sign 363.845 $\pm$ 0.093 χ^2/NDF : 3019750.0/20

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

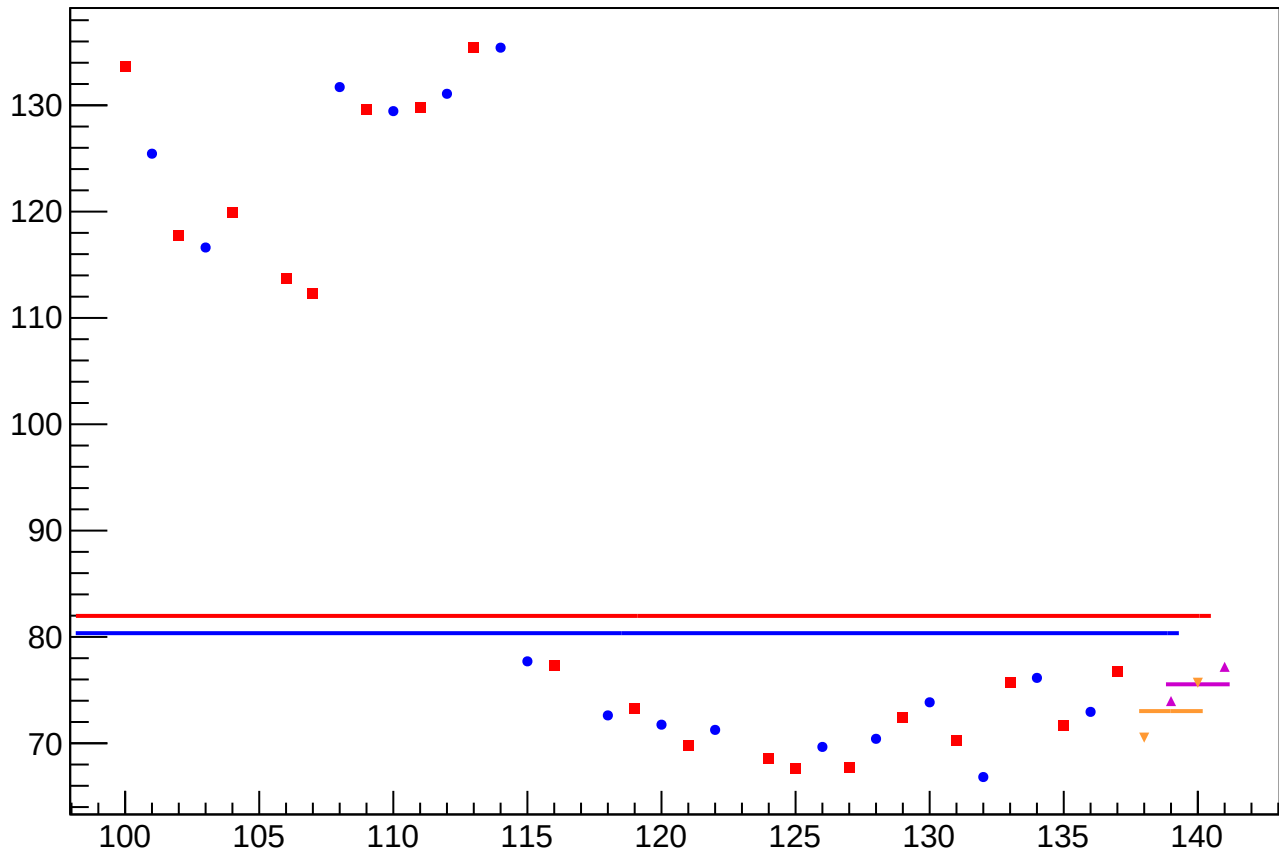
Left In: 91.346 $\pm$ 57.474 χ^2 /NDF: 1.1/1

+ sign -4.752 $\pm$ 27.131 χ^2 /NDF: 21.5/17

All: 0.448 $\pm$ 19.252 χ^2 /NDF: 51.2/38

- sign 5.724 $\pm$ 27.325 χ^2 /NDF: 29.6/20

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

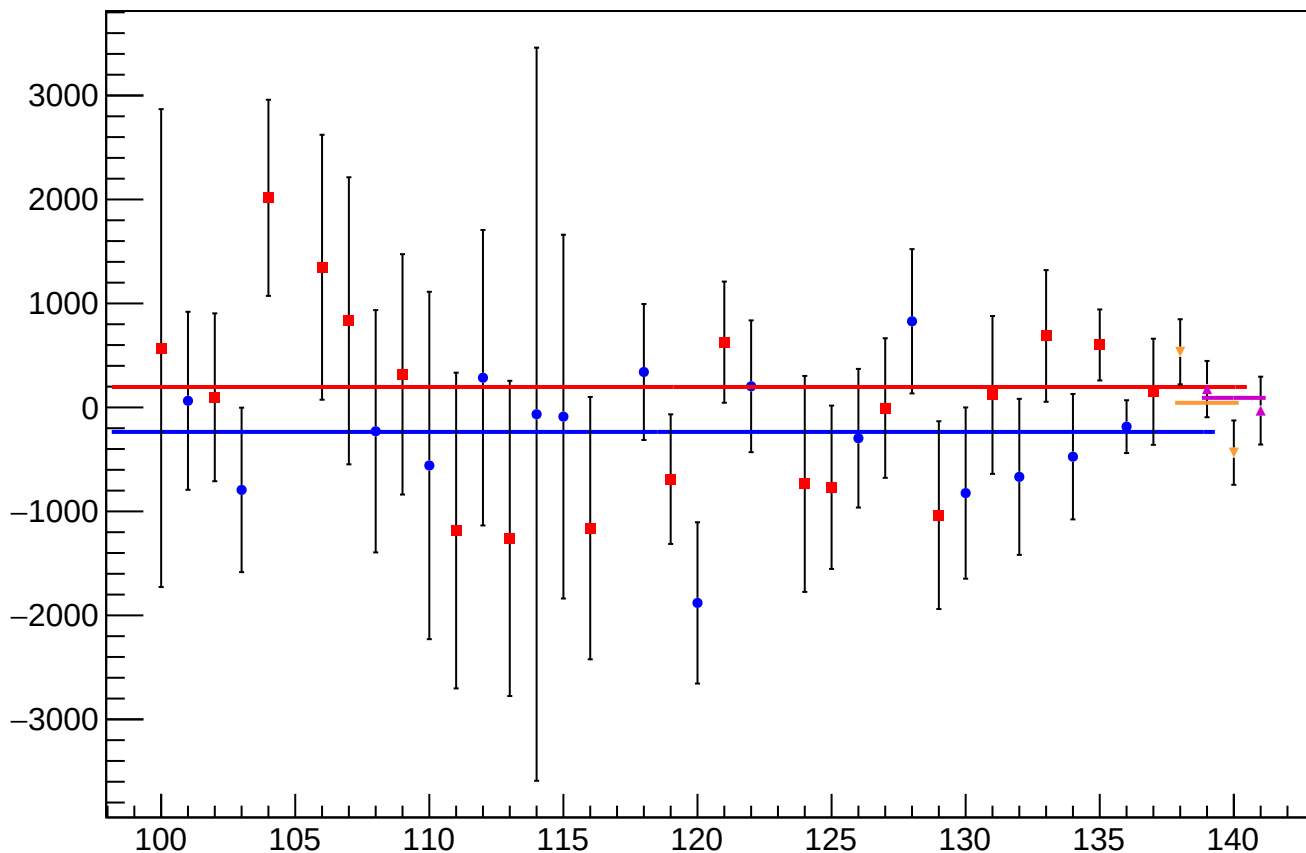
Left In: 75.545 $\pm$ 0.041 χ^2 /NDF:1568.0/1

+ sign 78.717 $\pm$ 0.019 χ^2 /NDF: 869397.5/17

All: 79.614 $\pm$ 0.014 χ^2 /NDF: 1825228.3/38

- sign 80.524 $\pm$ 0.019 χ^2 /NDF: 951426.1/20

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

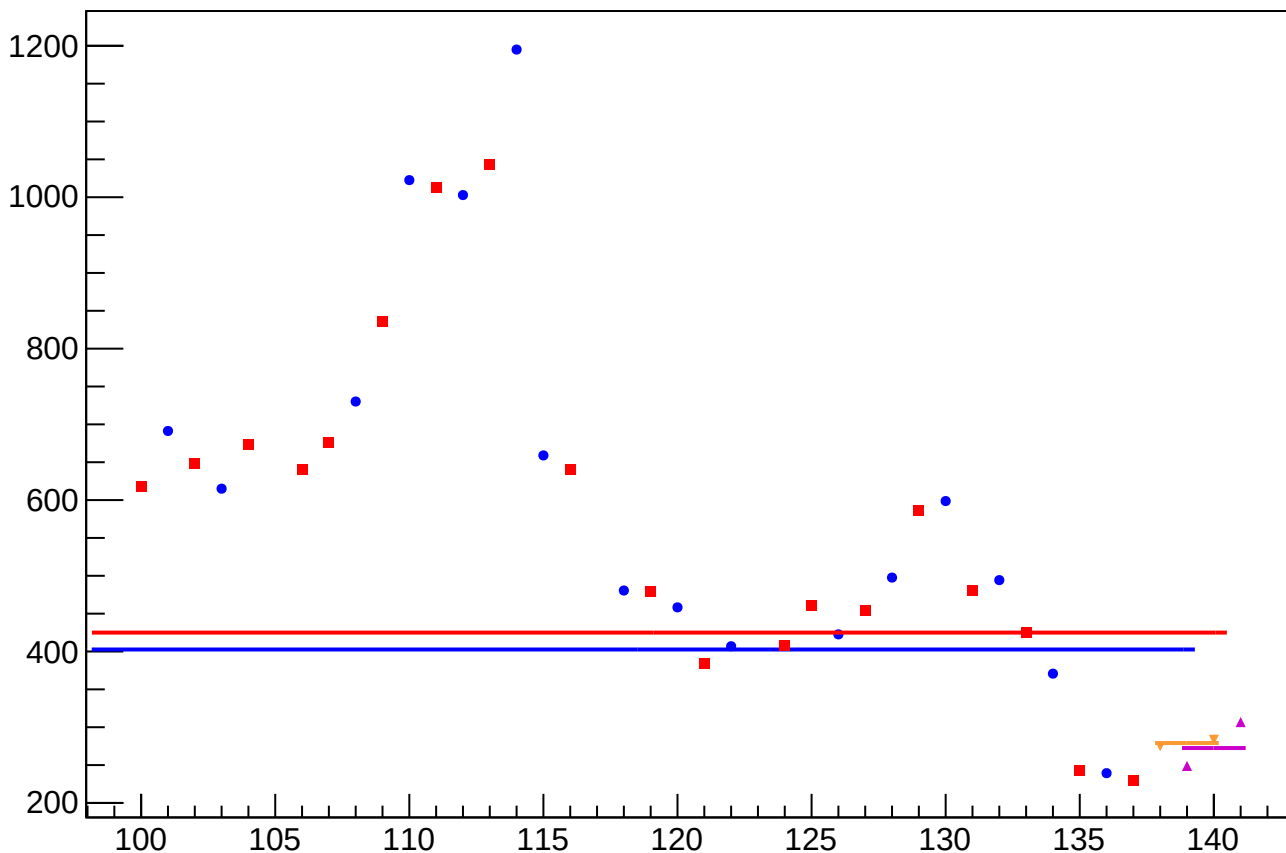
Left In: 92.033 ± 208.379 χ^2/NDF : 0.2/1

+ sign -135.857 ± 131.393 χ^2/NDF : 15.8/17

All: 8.782 ± 93.106 χ^2/NDF : 35.2/38

- sign 154.657 ± 131.954 χ^2/NDF : 17.0/20

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2 /NDF: 2360087.3/15

Left Out: 279.154 $\pm$ 0.156 χ^2 /NDF: 771.0/1

Right Out: 424.988 $\pm$ 0.121 χ^2 /NDF: 2341027.2/18

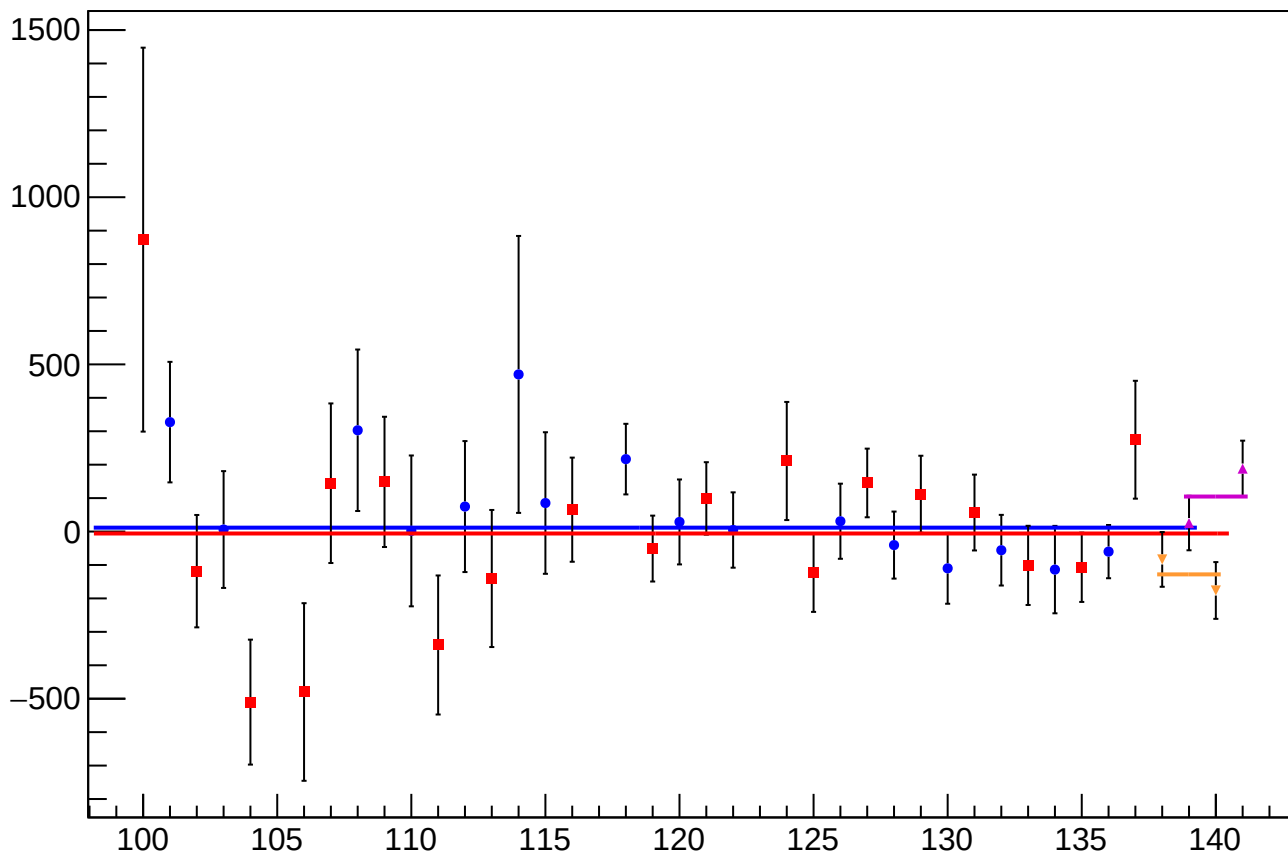
Left In: 272.509 $\pm$ 0.147 χ^2 /NDF: 37257.5/1

+ sign 358.657 $\pm$ 0.093 χ^2 /NDF: 2766115.3/17

All: 361.240 $\pm$ 0.066 χ^2 /NDF: 5787417.8/38

- sign 363.845 $\pm$ 0.093 χ^2 /NDF: 3019750.0/20

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

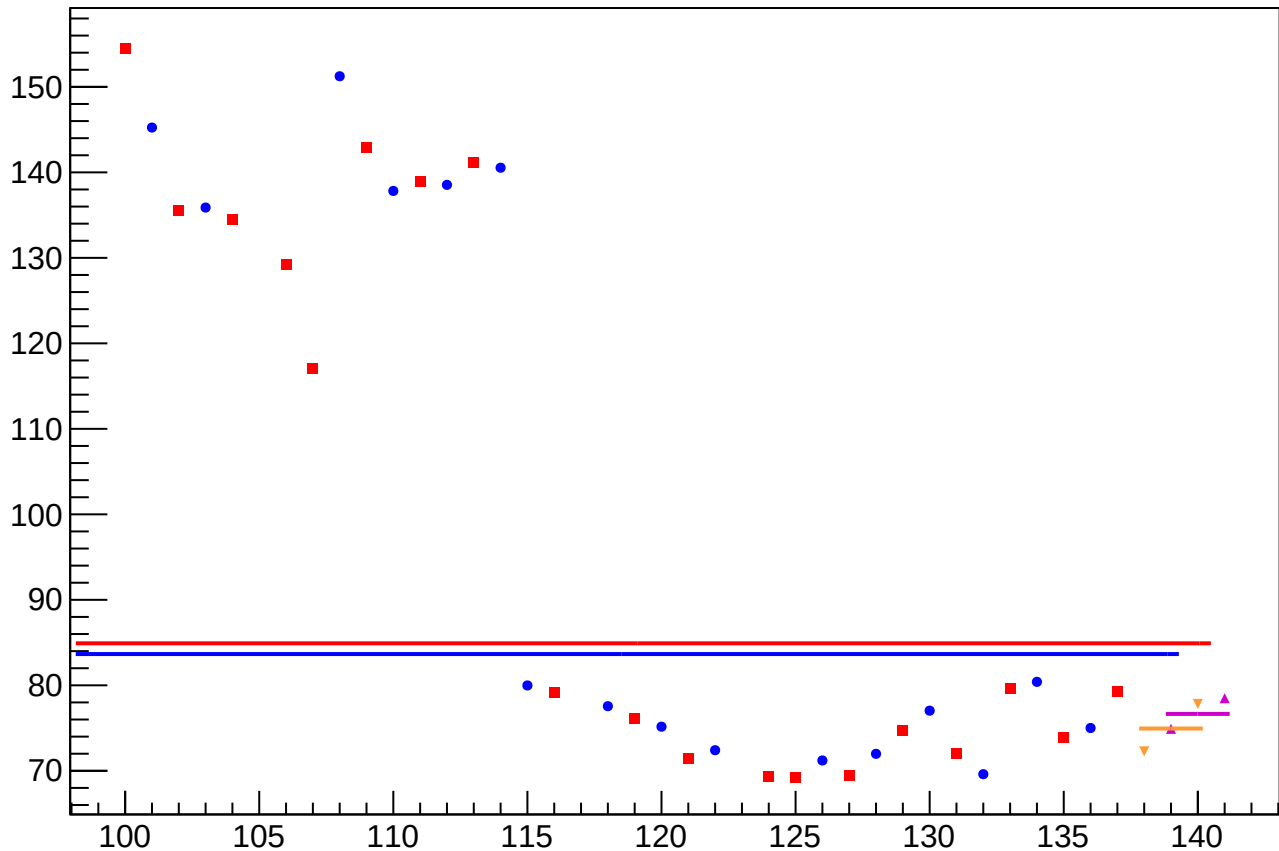
Left In: 104.722 $\pm$ 58.327 χ^2 /NDF: 1.9/1

+ sign -20.632 $\pm$ 28.322 χ^2 /NDF: 18.5/17

All: -0.187 $\pm$ 20.038 χ^2 /NDF: 53.0/38

- sign 20.302 $\pm$ 28.353 χ^2 /NDF: 33.5/20

dit_asym_sam1_rms vs Slug



Right In: 83.657 $\pm$ 0.023 χ^2 /NDF: 1034794.6/15

Left Out: 74.947 $\pm$ 0.042 χ^2 /NDF:4431.6/1

Right Out: 84.913 $\pm$ 0.023 χ^2 /NDF: 1121669.5/18

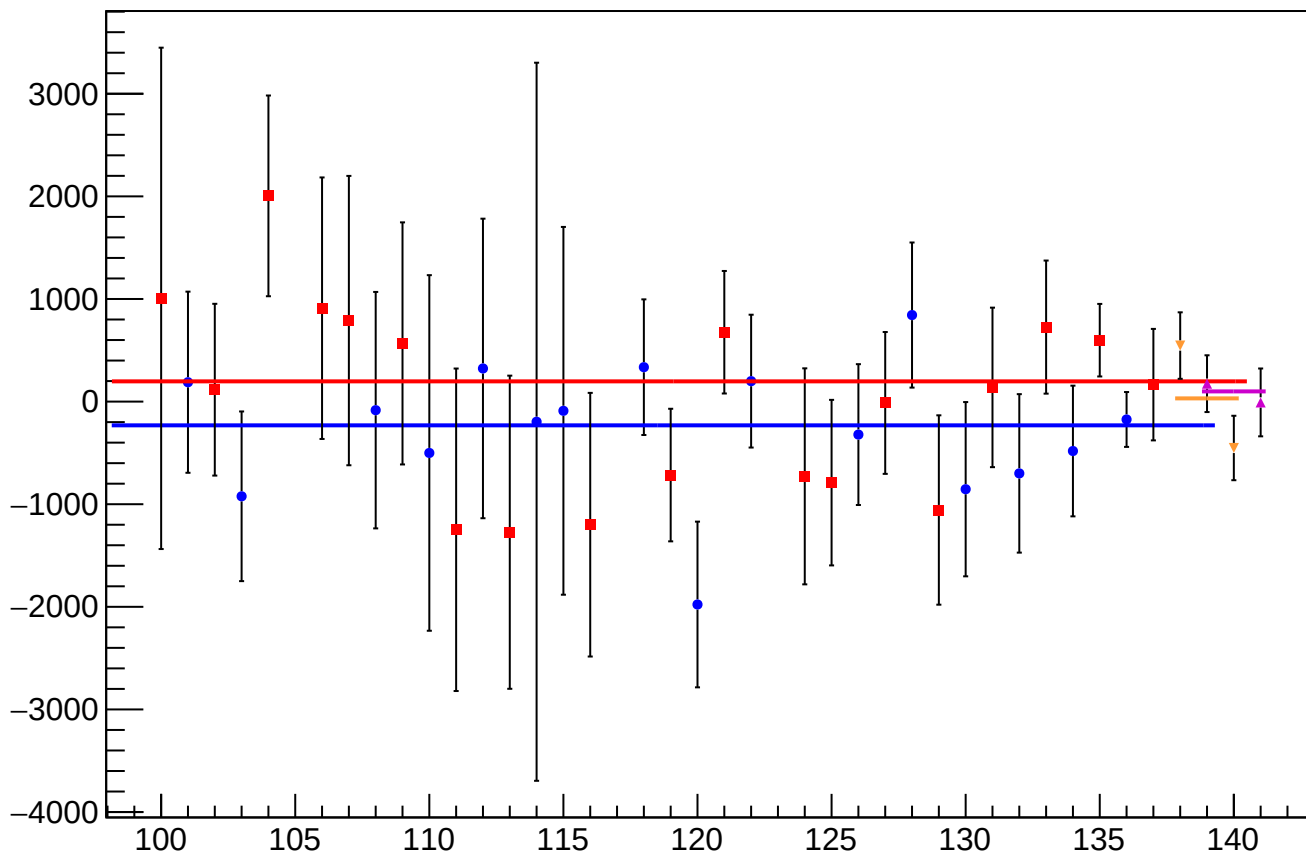
Left In: 76.657 $\pm$ 0.041 χ^2 /NDF:1881.0/1

+ sign 81.645 $\pm$ 0.020 χ^2 /NDF: 1072832.2/17

All: 82.303 $\pm$ 0.014 χ^2 /NDF: 2229147.9/38

- sign 82.962 $\pm$ 0.020 χ^2 /NDF: 1154154.9/20

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407 ± 170.133 χ^2/NDF : 10.4/15

Left Out: 31.250 ± 225.484 χ^2/NDF : 4.9/1

Right Out: 197.206 ± 176.091 χ^2/NDF : 15.9/18

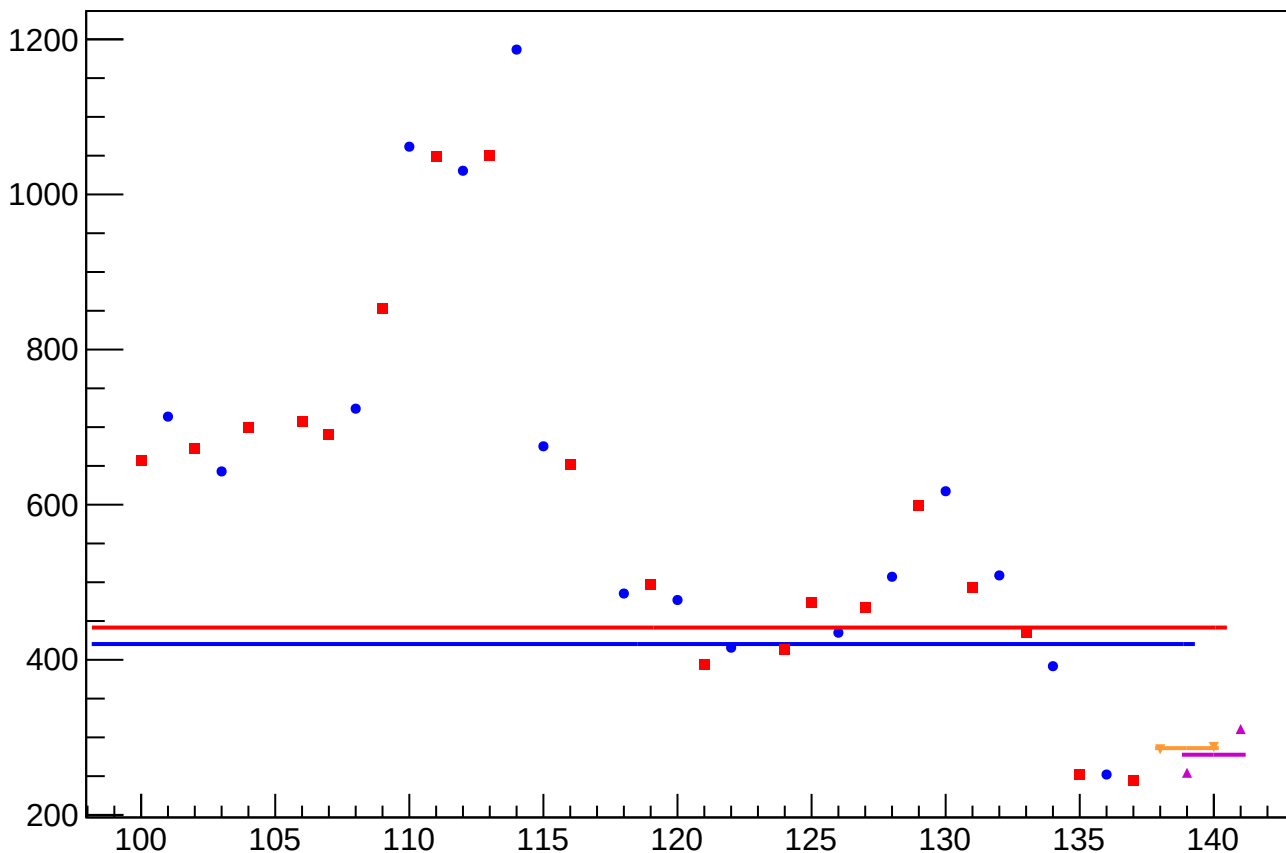
Left In: 99.424 ± 212.166 χ^2/NDF : 0.2/1

+ sign -136.121 ± 135.811 χ^2/NDF : 16.2/17

All: 10.936 ± 95.923 χ^2/NDF : 34.7/38

- sign 157.323 ± 135.501 χ^2/NDF : 16.2/20

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF : 2254610.0/15

Left Out: 286.161+/-0.159 χ^2/NDF : 88.6/1

Right Out: 441.598+/-0.125 χ^2/NDF : 2307588.5/18

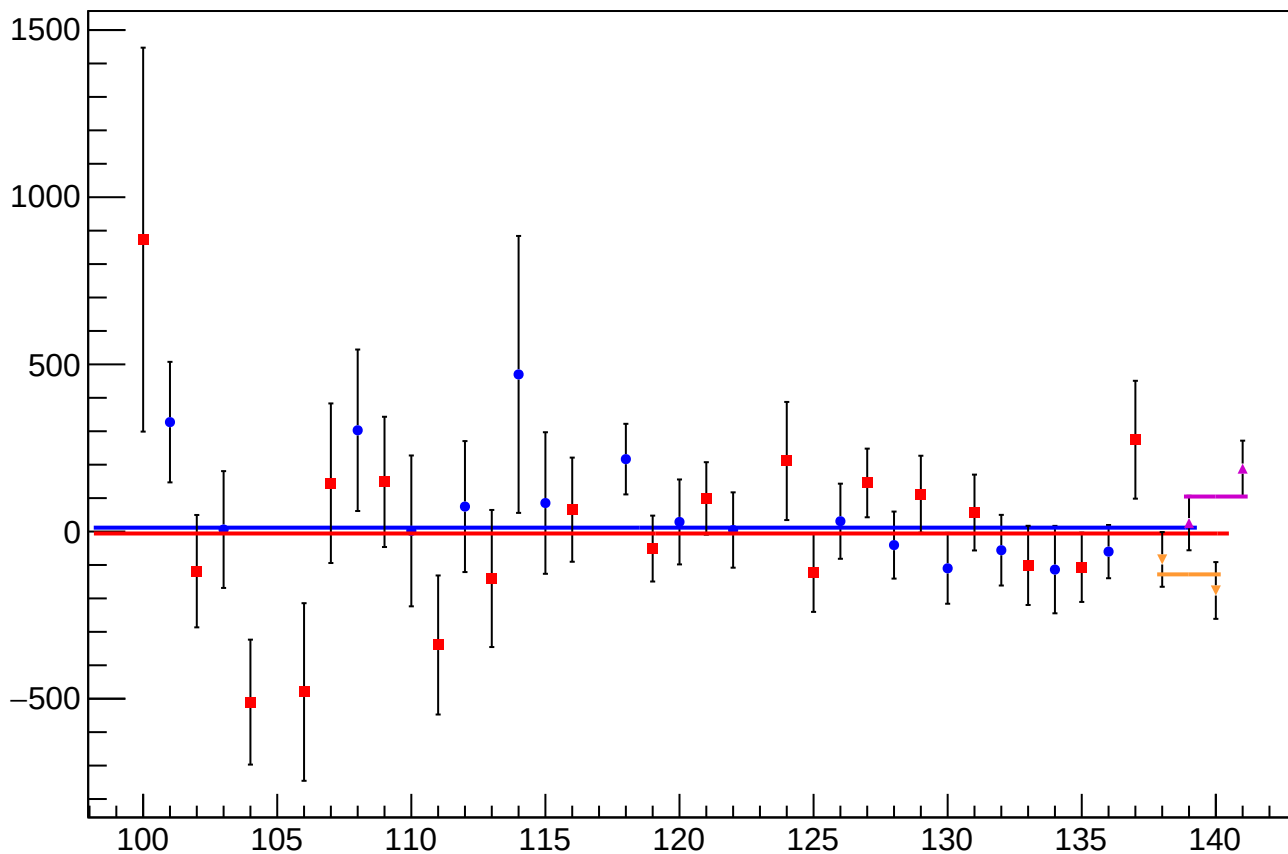
Left In: 277.637+/-0.150 χ^2/NDF : 34260.6/1

+ sign 371.656+/-0.096 χ^2/NDF : 2705922.9/17

All: 373.192+/-0.068 χ^2/NDF : 5755520.4/38

- sign 374.722+/-0.096 χ^2/NDF : 3049086.9/20

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652 ± 32.297 χ^2/NDF : 13.5/15

Left Out: -128.100 ± 58.927 χ^2/NDF : 0.6/1

Right Out: -5.816 ± 32.444 χ^2/NDF : 28.8/18

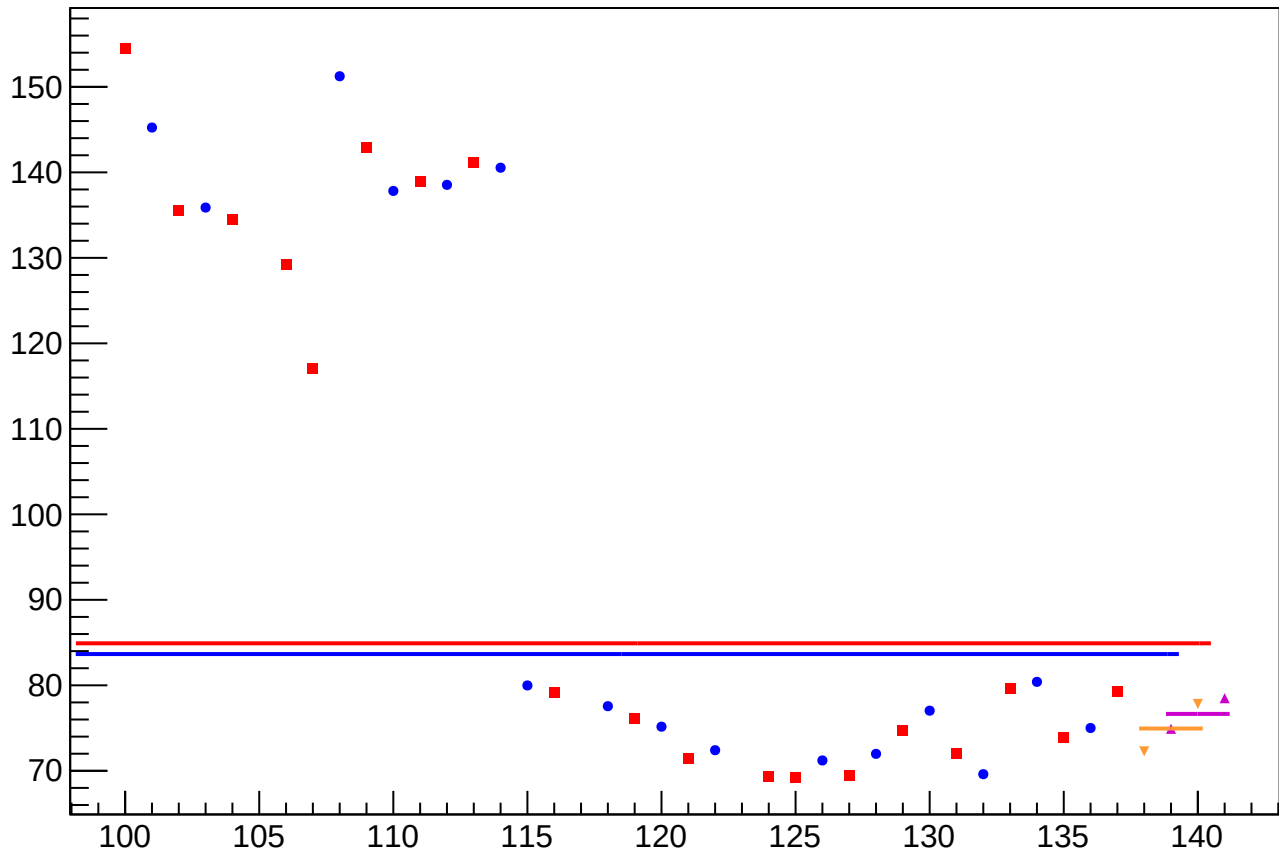
Left In: 104.722 ± 58.327 χ^2/NDF : 1.9/1

+ sign -20.632 ± 28.322 χ^2/NDF : 18.5/17

All: -0.187 ± 20.038 χ^2/NDF : 53.0/38

- sign 20.303 ± 28.353 χ^2/NDF : 33.5/20

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF : 1034794.1/15

Left Out: 74.947+/-0.042 χ^2/NDF : 4431.6/1

Right Out: 84.913+/-0.023 χ^2/NDF : 1121668.5/18

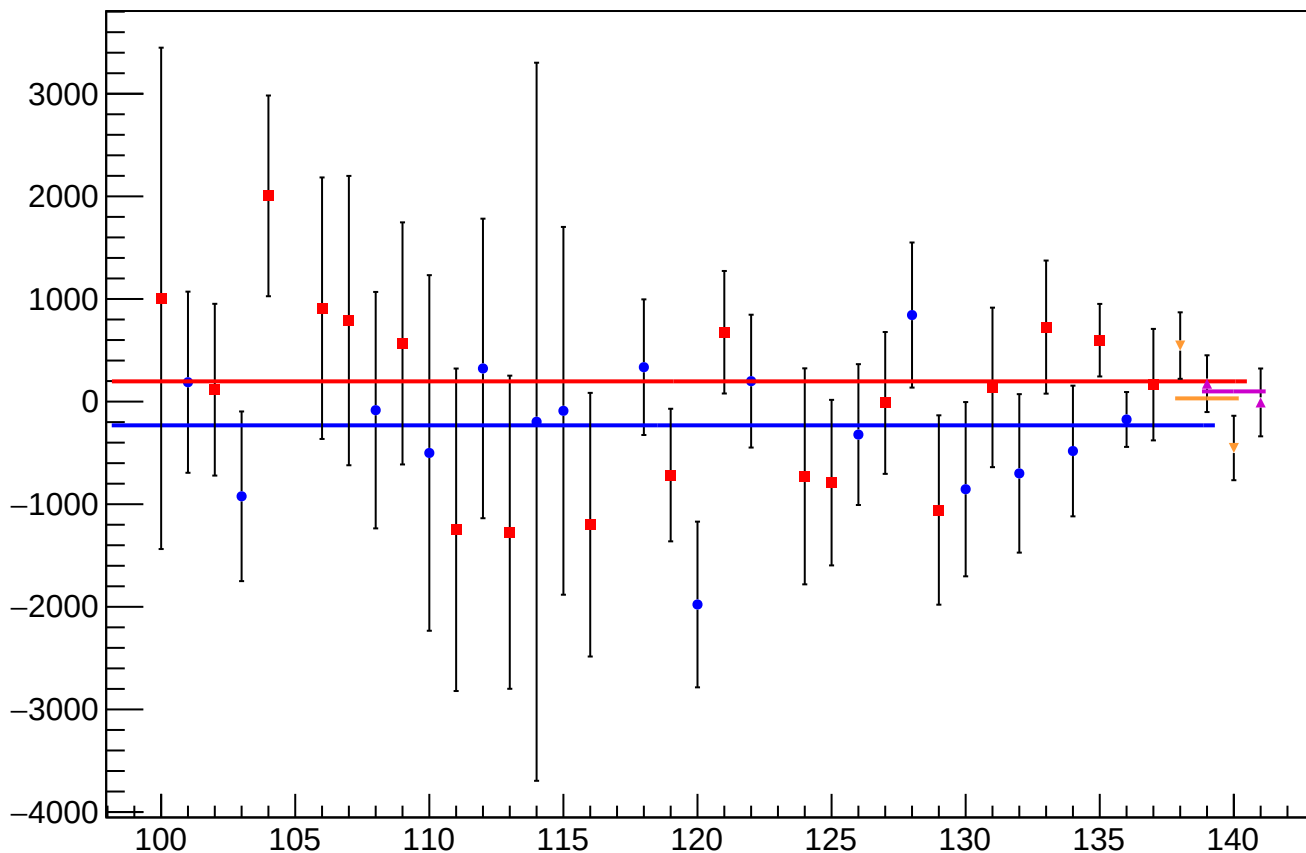
Left In: 76.657+/-0.041 χ^2/NDF : 1881.1/1

+ sign 81.645+/-0.020 χ^2/NDF : 1072831.2/17

All: 82.303+/-0.014 χ^2/NDF : 2229145.4/38

- sign 82.962+/-0.020 χ^2/NDF : 1154153.4/20

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405 ± 170.132 $\chi^2/\text{NDF}: 10.4/15$

Left Out: 31.249 ± 225.484 $\chi^2/\text{NDF}: 4.9/1$

Right Out: 197.207 ± 176.091 $\chi^2/\text{NDF}: 15.9/18$

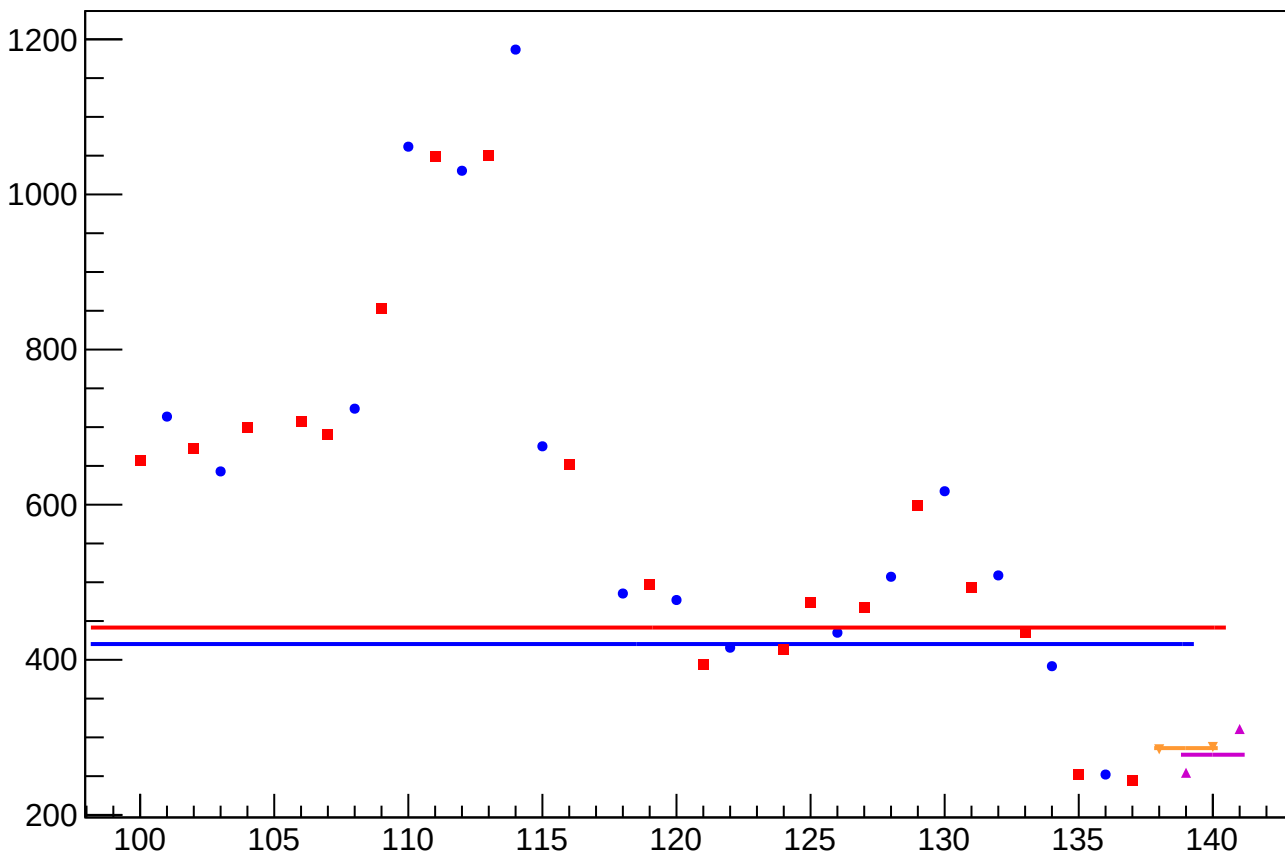
Left In: 99.424 ± 212.166 $\chi^2/\text{NDF}: 0.2/1$

+ sign -136.121 ± 135.811 $\chi^2/\text{NDF}: 16.2/17$

All: 10.936 ± 95.923 $\chi^2/\text{NDF}: 34.7/38$

- sign 157.323 ± 135.501 $\chi^2/\text{NDF}: 16.2/20$

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF : 2254614.9/15

Left Out: 286.161+/-0.159 χ^2/NDF : 88.6/1

+ sign 371.656+/-0.096 χ^2/NDF : 2705925.4/17

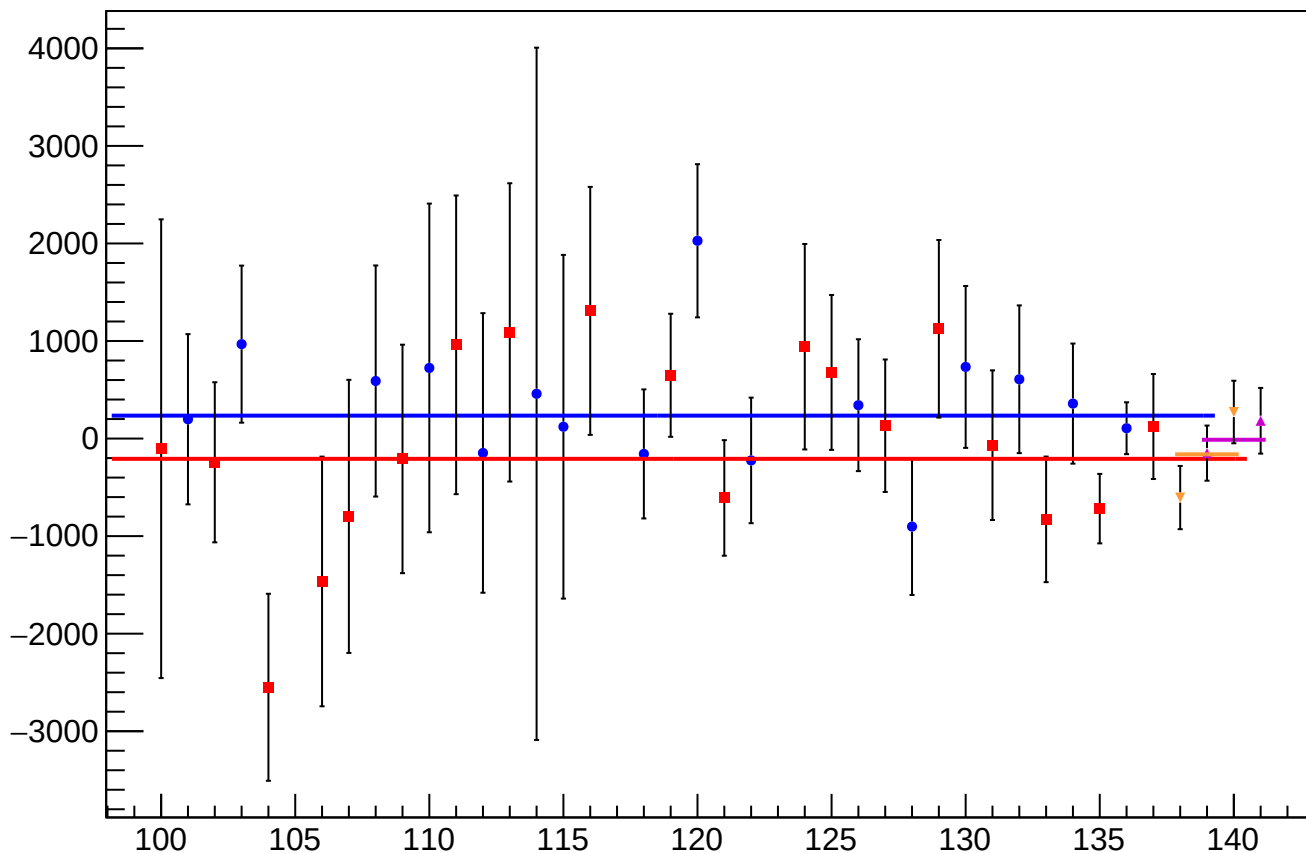
Right Out: 441.597+/-0.125 χ^2/NDF : 2307595.1/18

All: 373.192+/-0.068 χ^2/NDF : 5755526.3/38

- sign 374.721+/-0.096 χ^2/NDF : 3049090.4/20

Left In: 277.637+/-0.150 χ^2/NDF : 34260.8/1

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

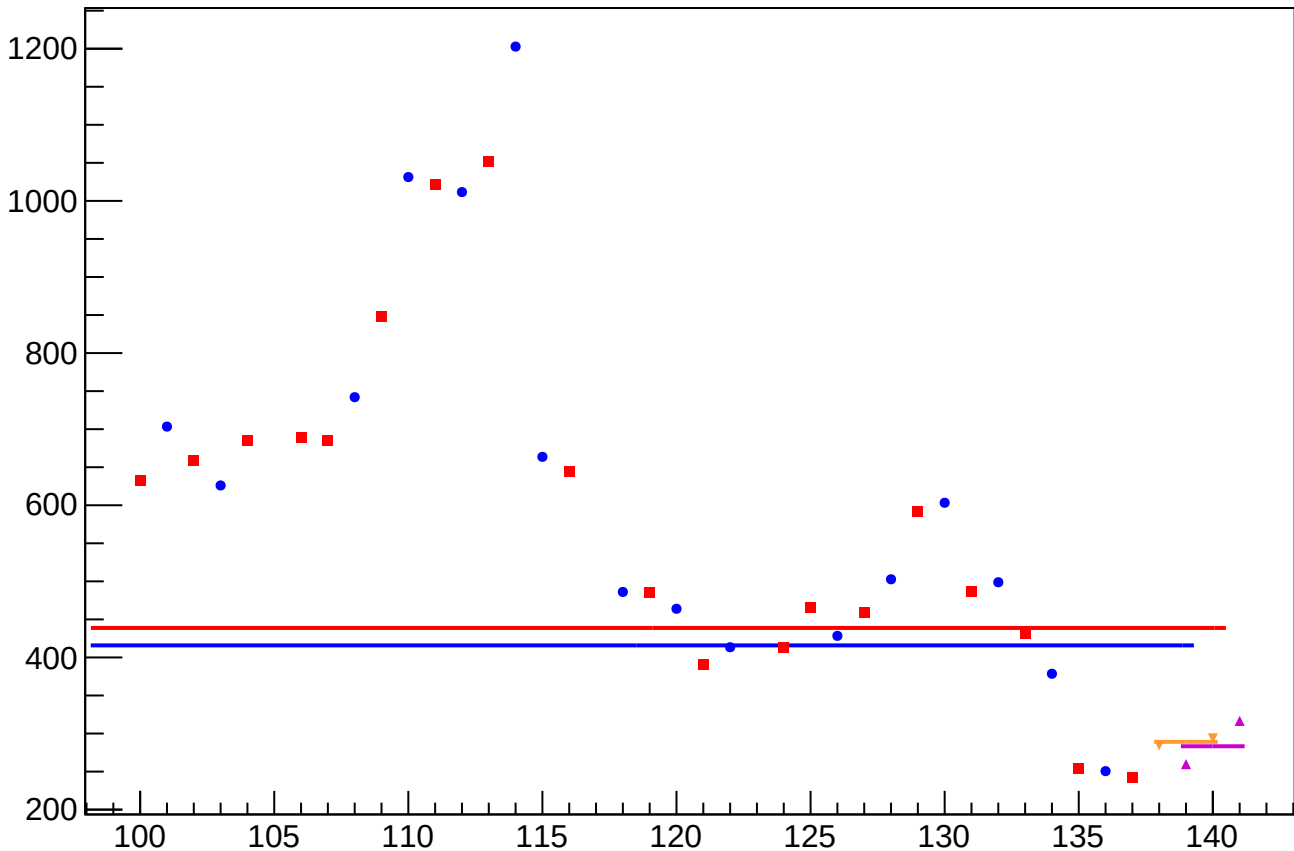
Left In: -12.190 $\pm$ 216.464 χ^2 /NDF:0.6/1

+ sign 95.105 $\pm$ 135.325 χ^2 /NDF: 16.4/17

All: -17.281 $\pm$ 95.911 χ^2 /NDF: 39.2/38

- sign -130.718 $\pm$ 135.956 χ^2 /NDF: 21.4/20

asym_sam1_rms vs Slug



Right In: 415.840 $\pm$ 0.119 χ^2 /NDF: 2223949.6/15

Left Out: 289.129 $\pm$ 0.161 χ^2 /NDF: 819.6/1

Right Out: 438.773 $\pm$ 0.124 χ^2 /NDF: 2234776.6/18

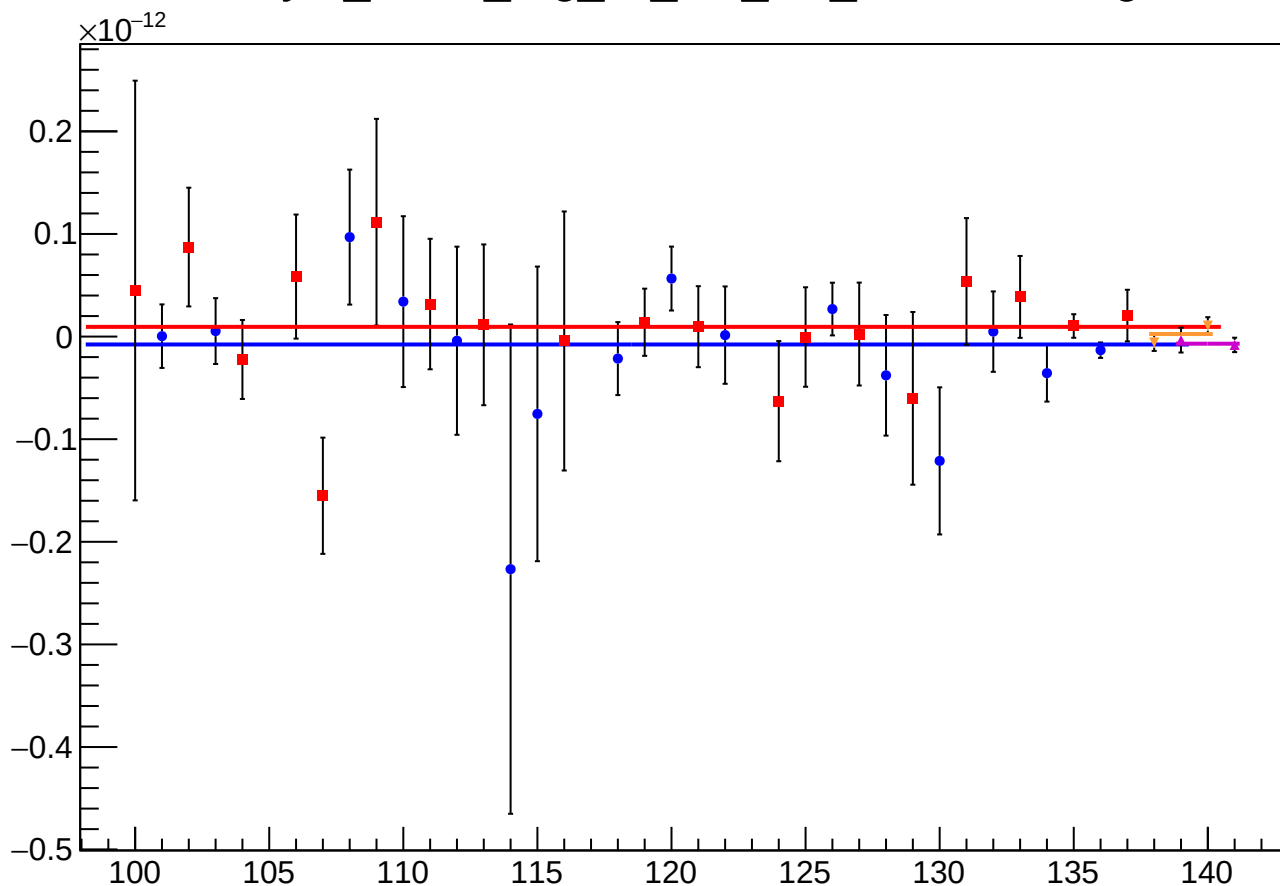
Left In: 283.283 $\pm$ 0.153 χ^2 /NDF: 33376.5/1

+ sign 371.149 $\pm$ 0.096 χ^2 /NDF: 2625089.4/17

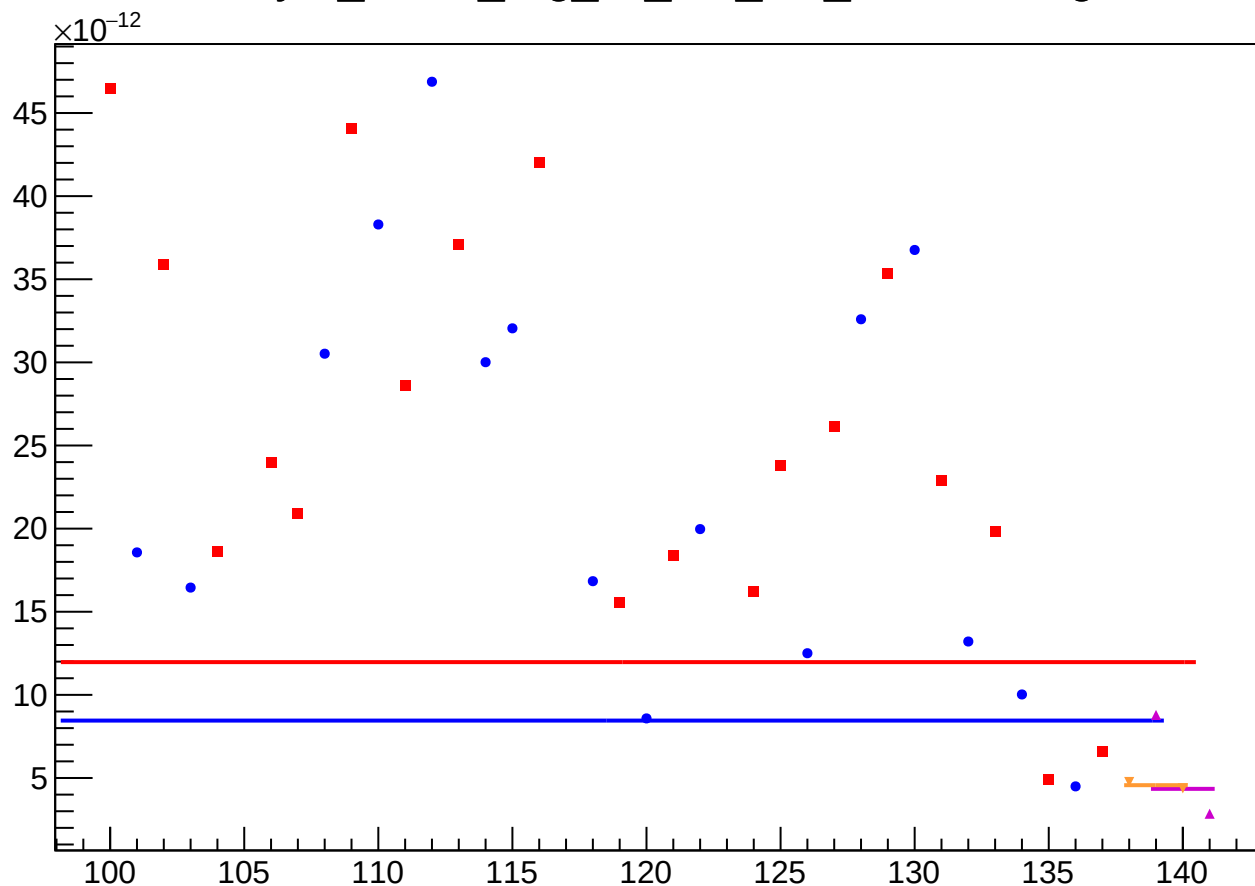
All: 374.278 $\pm$ 0.068 χ^2 /NDF: 5520263.5/38

- sign 377.436 $\pm$ 0.096 χ^2 /NDF: 2893026.2/20

asym_sam1_reg_vs_cor_diff_mean vs Slug



asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2756090.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :2165.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2760154.9/18

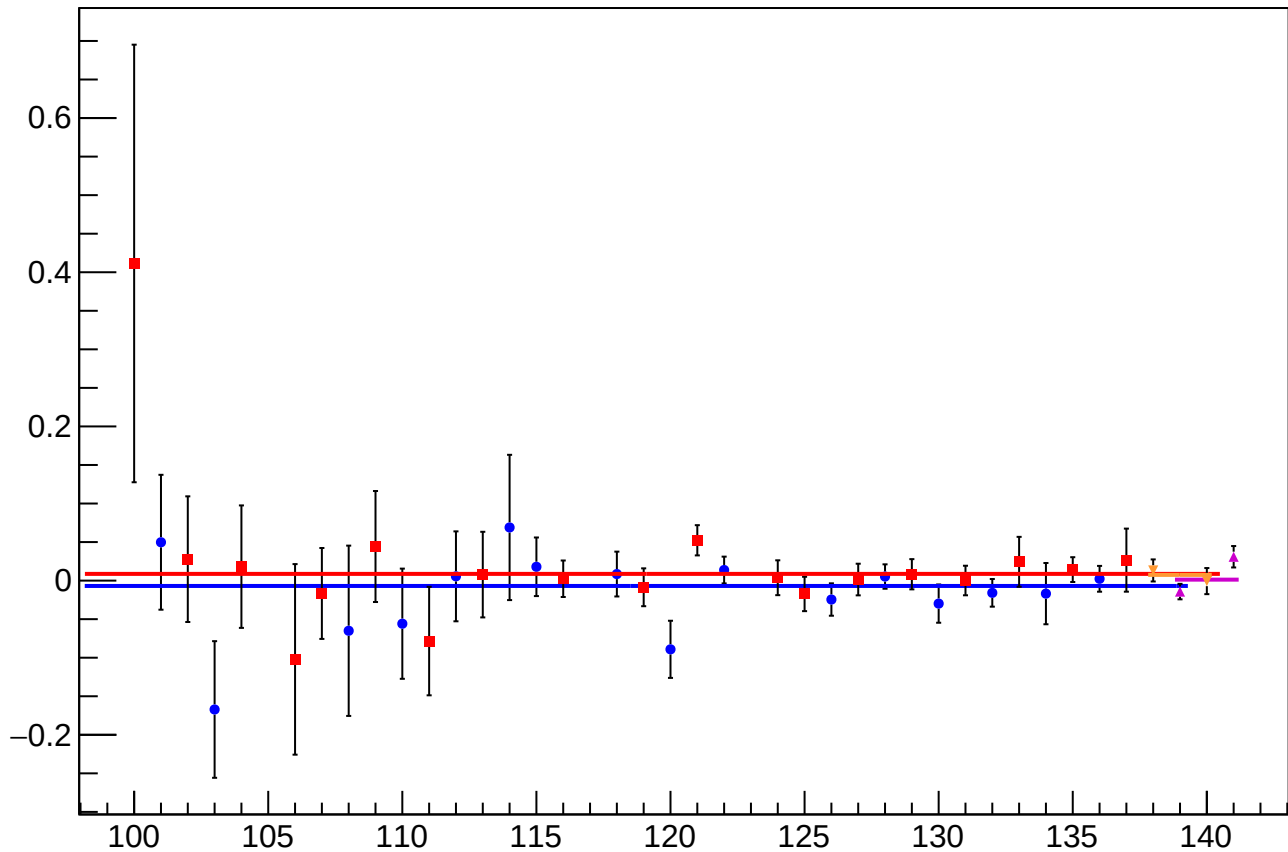
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :360168.0/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3178277.5/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7444348.6/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4244726.8/20

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: 0.007 ± 0.011 χ^2/NDF : 0.4/1

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

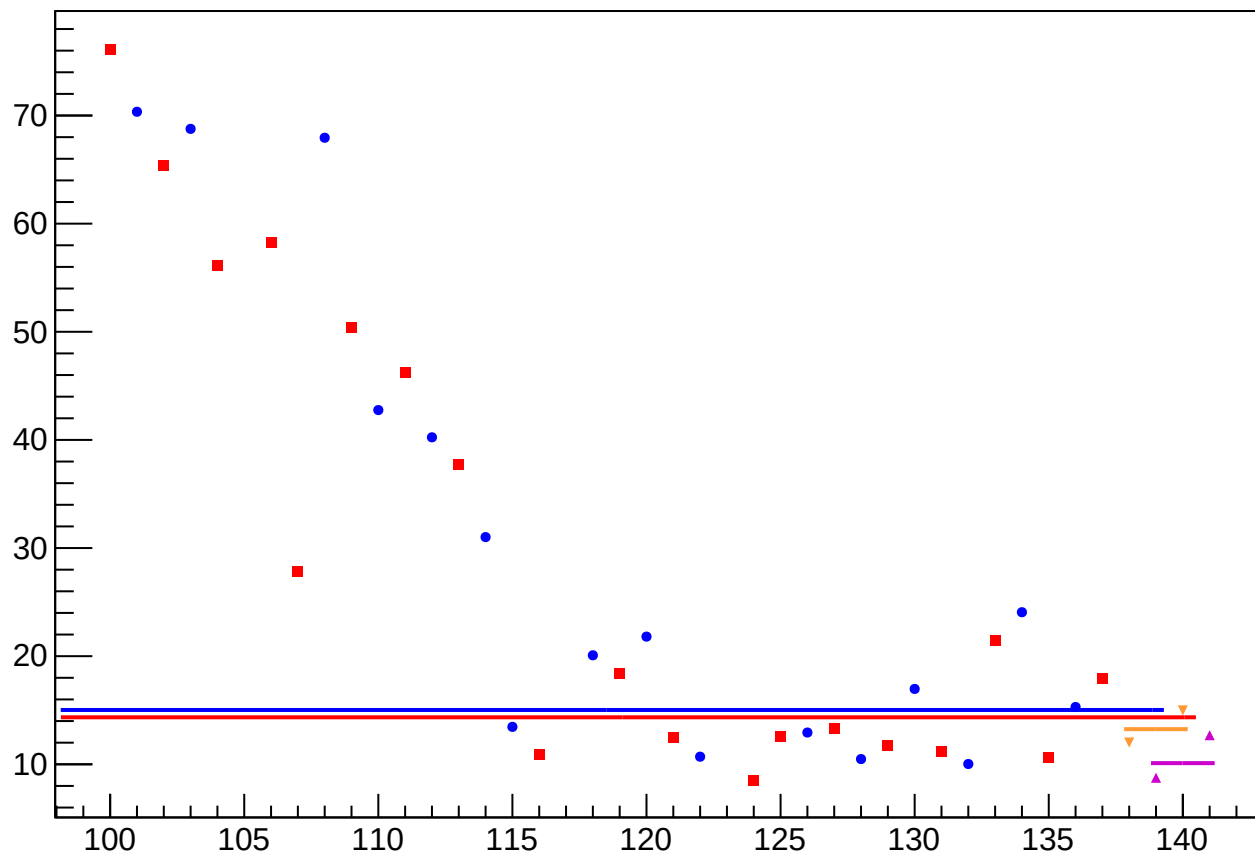
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.003 ± 0.006 χ^2/NDF : 16.6/17

All: 0.002 ± 0.004 χ^2/NDF : 38.1/38

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

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

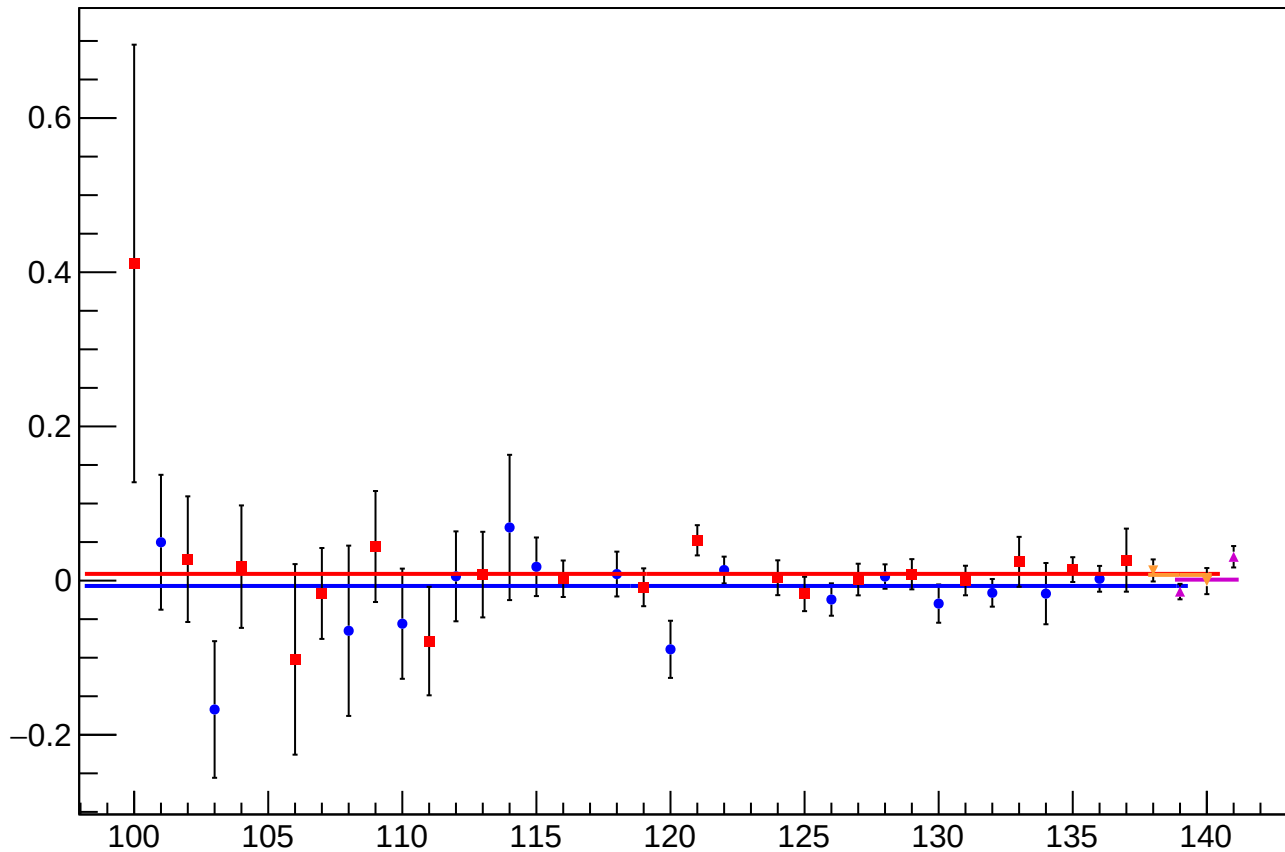
Left In: 10.108 $\pm$ 0.006 χ^2 /NDF:105359.6/1

+ sign 14.538 $\pm$ 0.004 χ^2 /NDF: 3512434.0/17

All: 13.517 $\pm$ 0.003 χ^2 /NDF: 7695092.9/38

- sign 12.732 $\pm$ 0.004 χ^2 /NDF: 4070463.1/20

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 $\chi^2/\text{NDF}: 14.9/15$

Left Out: 0.007 ± 0.011 $\chi^2/\text{NDF}: 0.4/1$

Right Out: 0.009 ± 0.006 $\chi^2/\text{NDF}: 12.6/18$

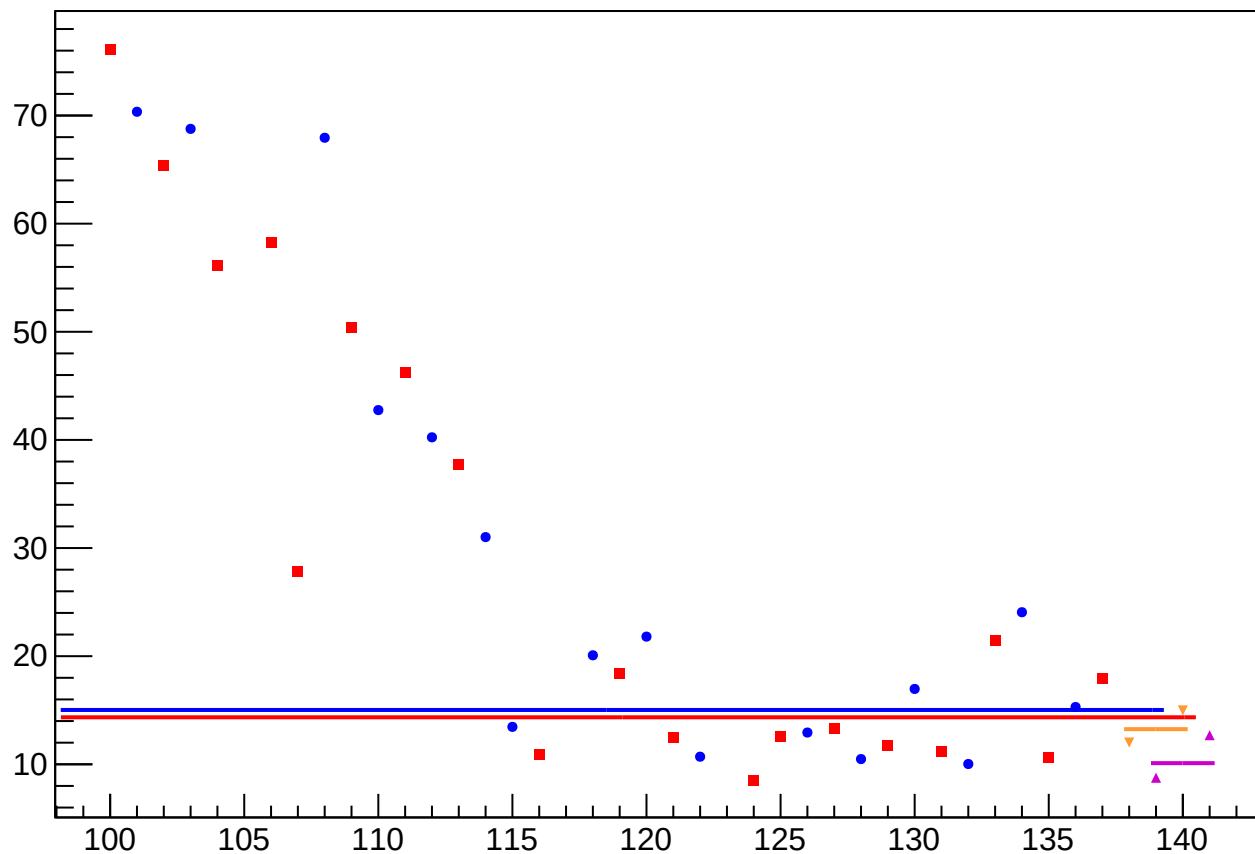
Left In: 0.001 ± 0.008 $\chi^2/\text{NDF}: 6.9/1$

+ sign -0.003 ± 0.006 $\chi^2/\text{NDF}: 16.6/17$

All: 0.002 ± 0.004 $\chi^2/\text{NDF}: 38.1/38$

- sign 0.006 ± 0.005 $\chi^2/\text{NDF}: 20.1/20$

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

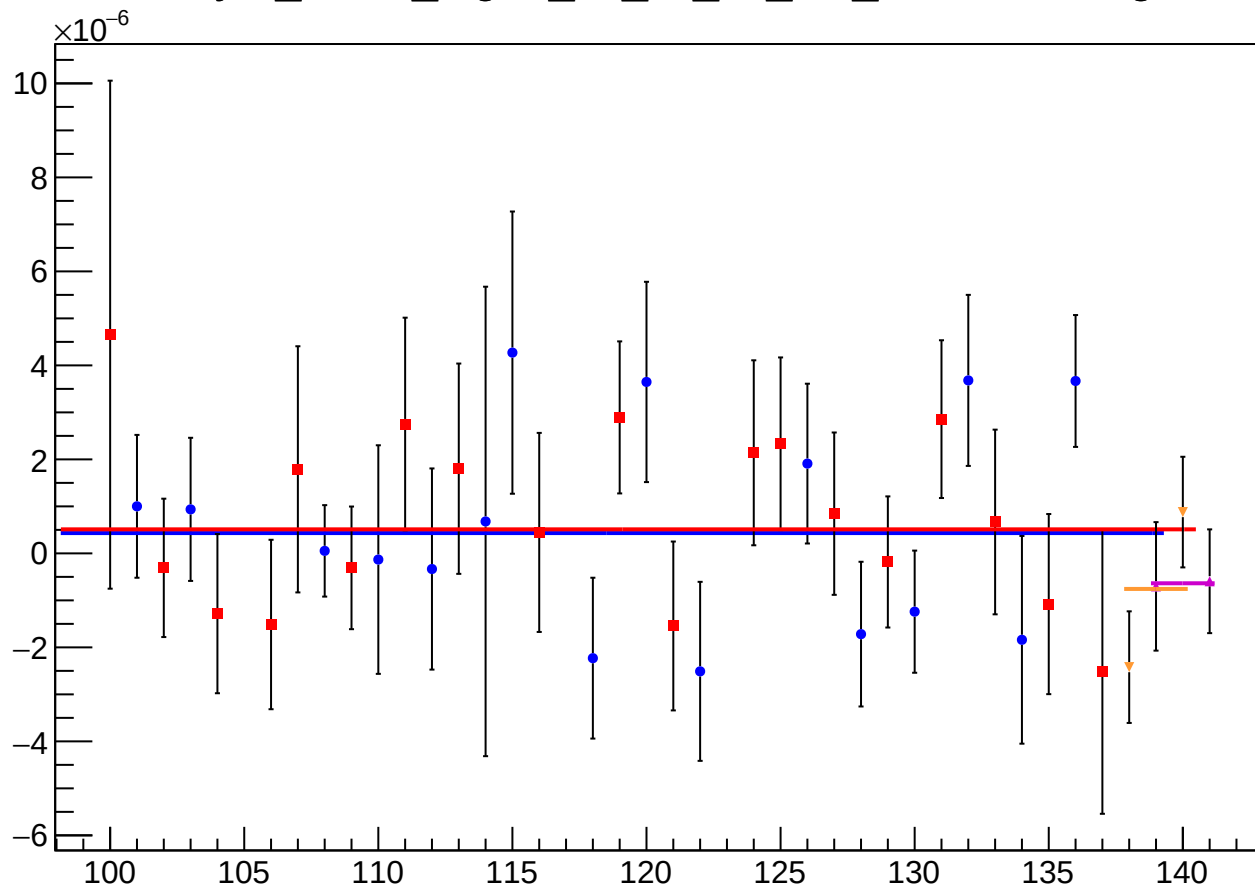
Left In: 10.108 $\pm$ 0.006 χ^2 /NDF:105359.6/1

+ sign 14.538 $\pm$ 0.004 χ^2 /NDF: 3512434.0/17

All: 13.517 $\pm$ 0.003 χ^2 /NDF: 7695092.9/38

- sign 12.732 $\pm$ 0.004 χ^2 /NDF: 4070463.1/20

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 23.2/15

Left Out: -0.000 +/- 0.000 χ^2/NDF : 3.9/1

Right Out: 0.000 +/- 0.000 χ^2/NDF : 14.3/18

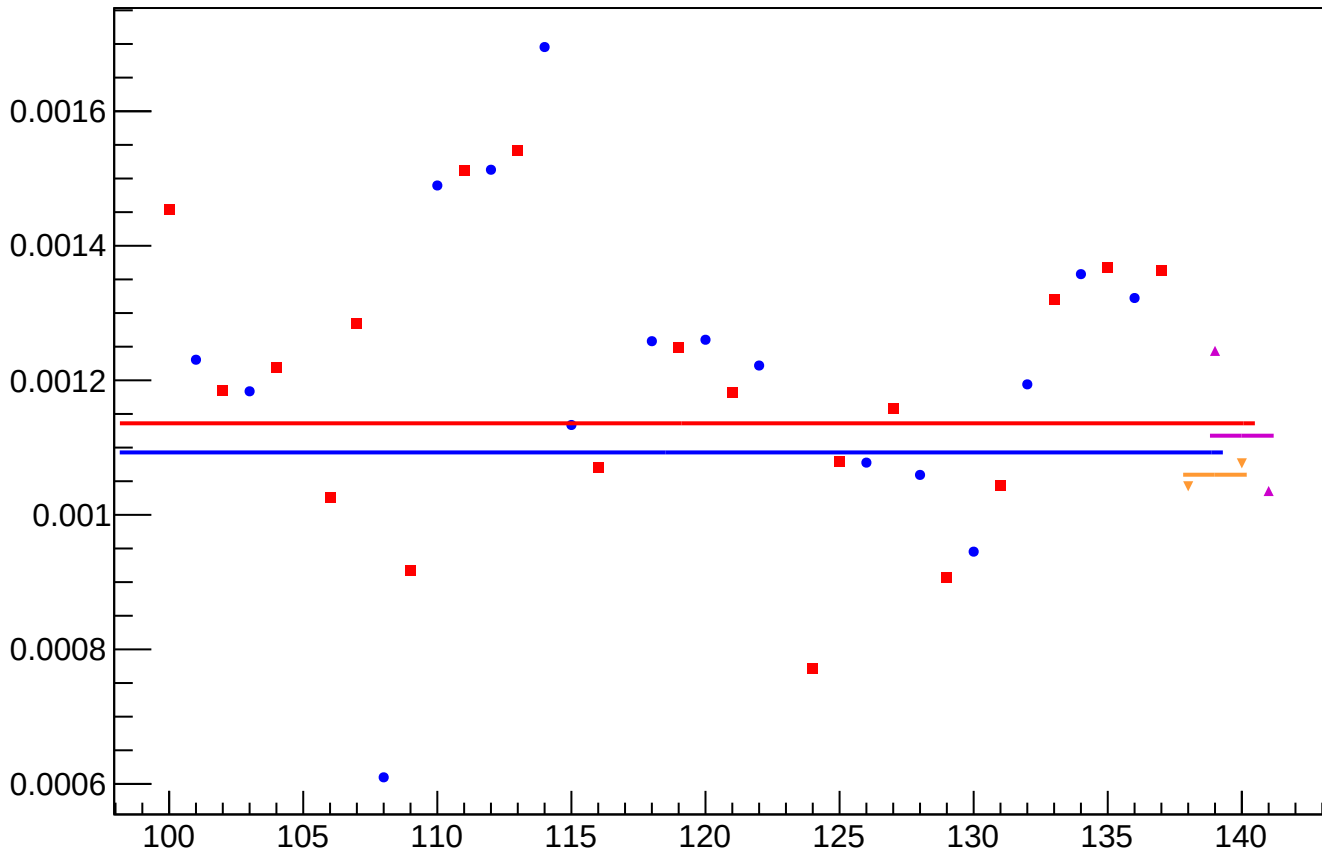
Left In: -0.000 +/- 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 28.7/17

All: 0.000 +/- 0.000 χ^2/NDF : 44.5/38

- sign 0.000 +/- 0.000 χ^2/NDF : 15.7/20

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

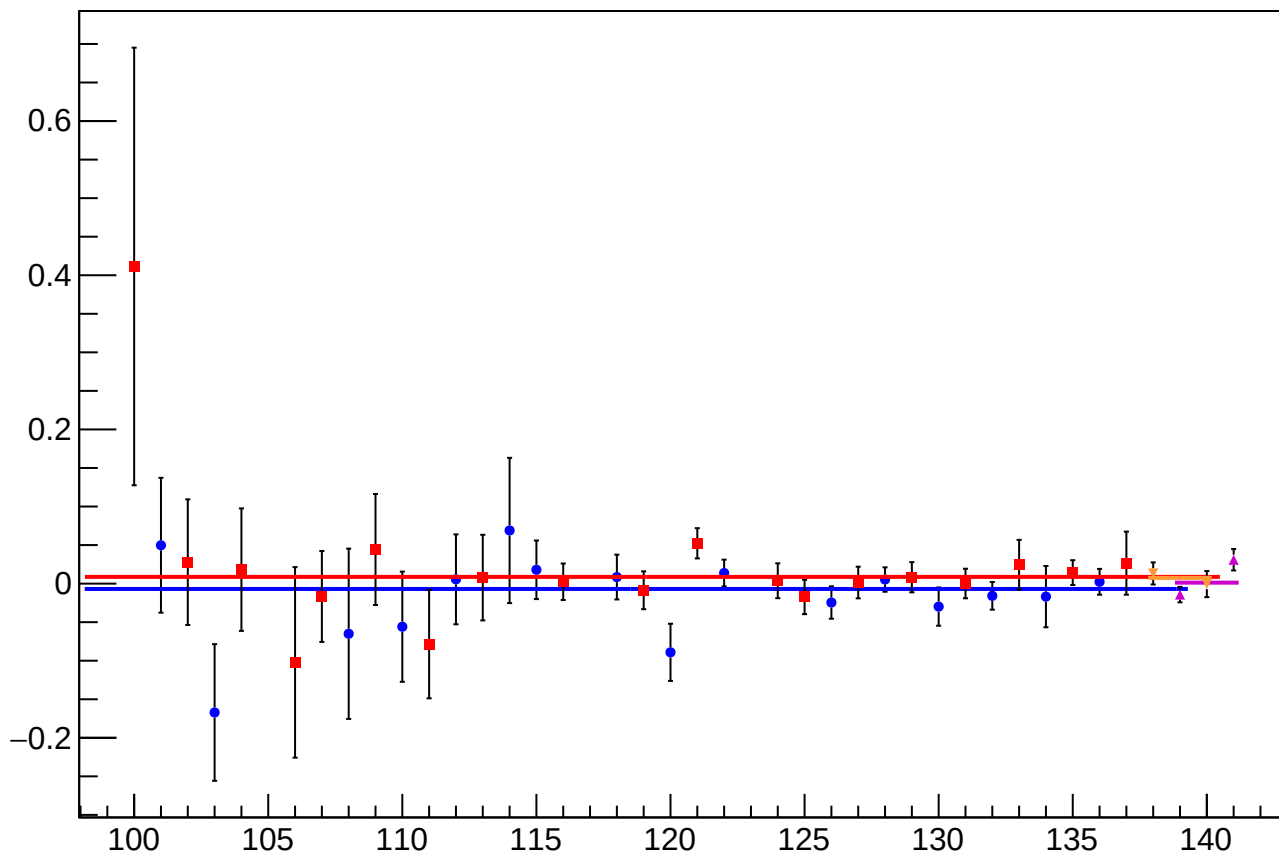
Left In: 0.001+/-0.000 χ^2/NDF : 28115.1/1

+ sign 0.001+/-0.000 χ^2/NDF : 835185.1/17

All: 0.001+/-0.000 χ^2/NDF : 1286405.1/38

- sign 0.001+/-0.000 χ^2/NDF : 436112.8/20

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: 0.007 ± 0.011 χ^2/NDF : 0.4/1

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

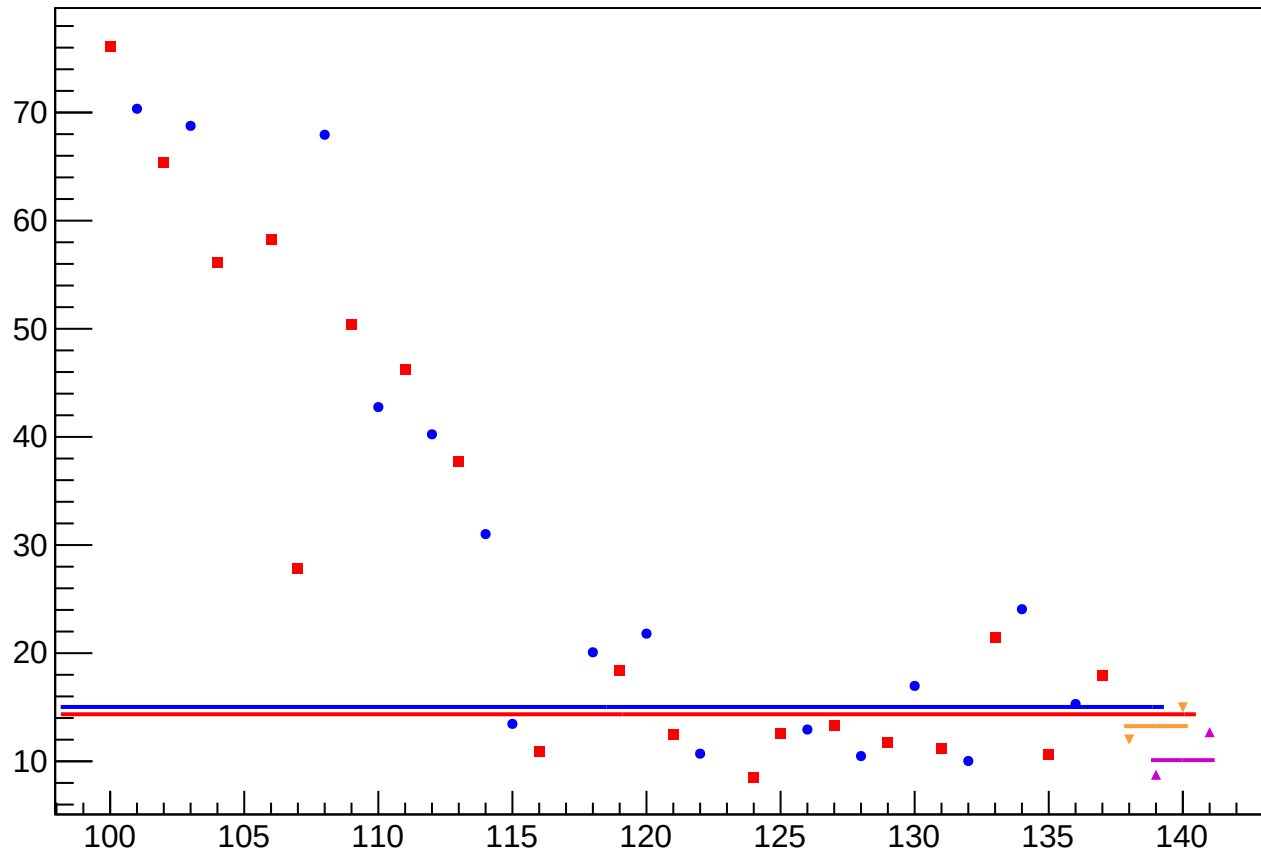
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.003 ± 0.006 χ^2/NDF : 16.6/17

All: 0.002 ± 0.004 χ^2/NDF : 38.1/38

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF : 3438279.3/15

Left Out: 13.251+/-0.008 χ^2/NDF : 35967.4/1

Right Out: 14.348+/-0.005 χ^2/NDF : 3629004.9/18

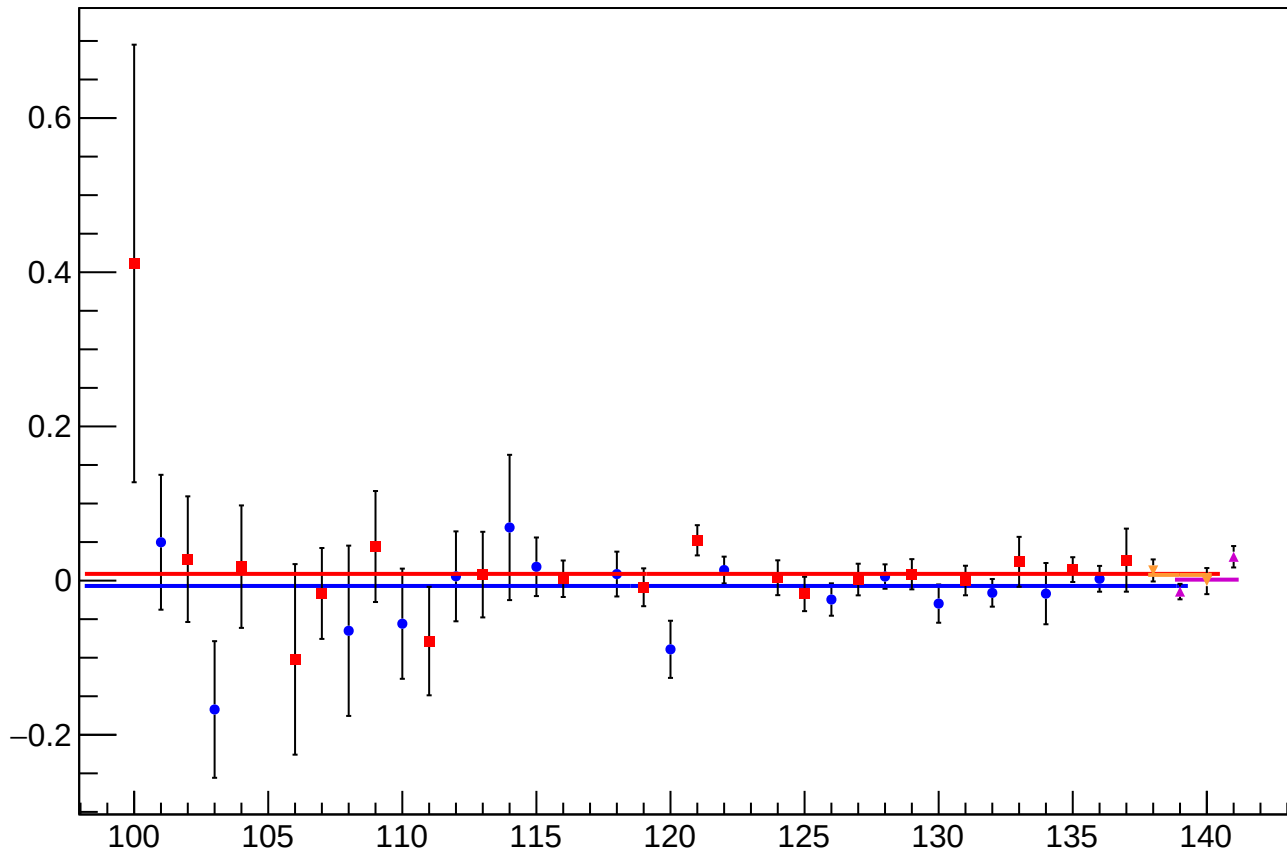
Left In: 10.108+/-0.006 χ^2/NDF : 105368.1/1

+ sign 14.537+/-0.004 χ^2/NDF : 3512446.0/17

All: 13.516+/-0.003 χ^2/NDF : 7695092.9/38

- sign 12.732+/-0.004 χ^2/NDF : 4070455.7/20

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

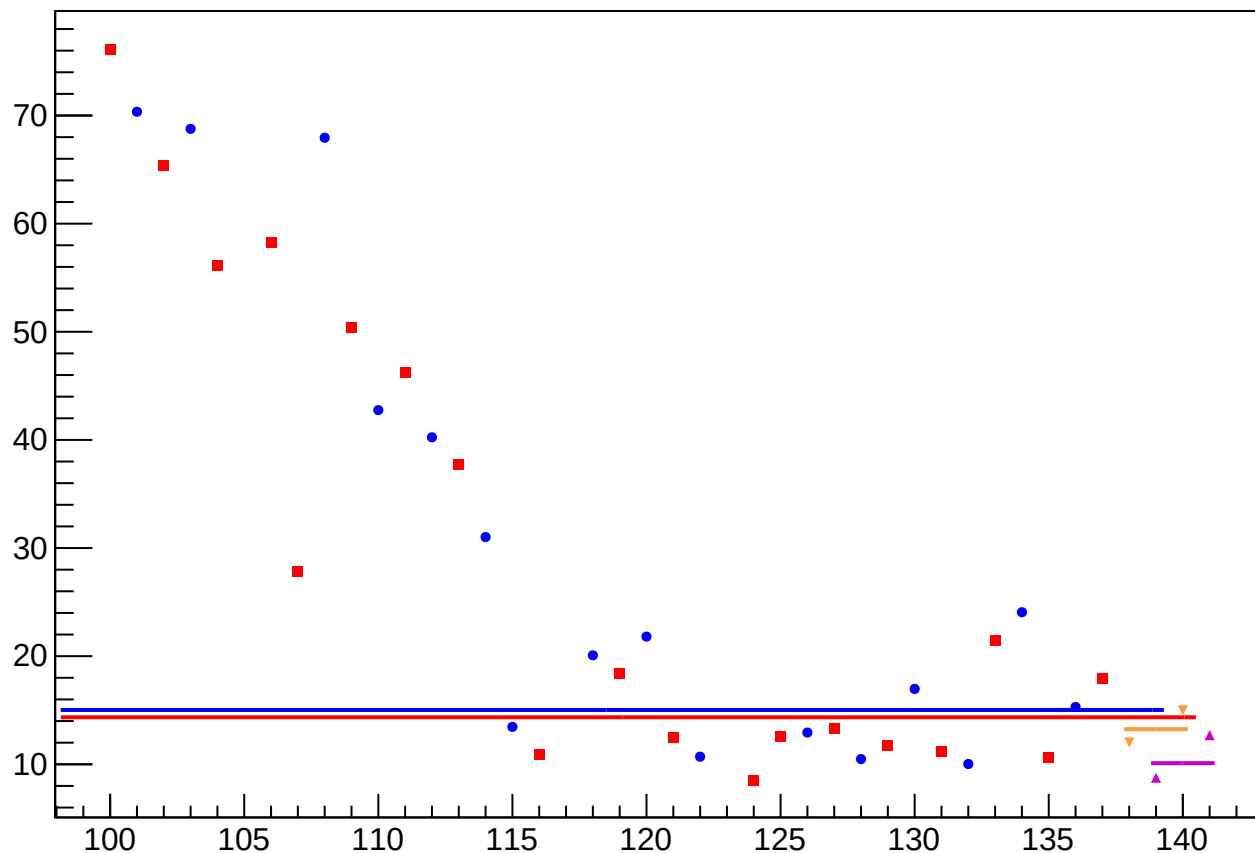
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.003 ± 0.006 χ^2/NDF : 16.6/17

All: 0.002 ± 0.004 χ^2/NDF : 38.1/38

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025 $\pm$ 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

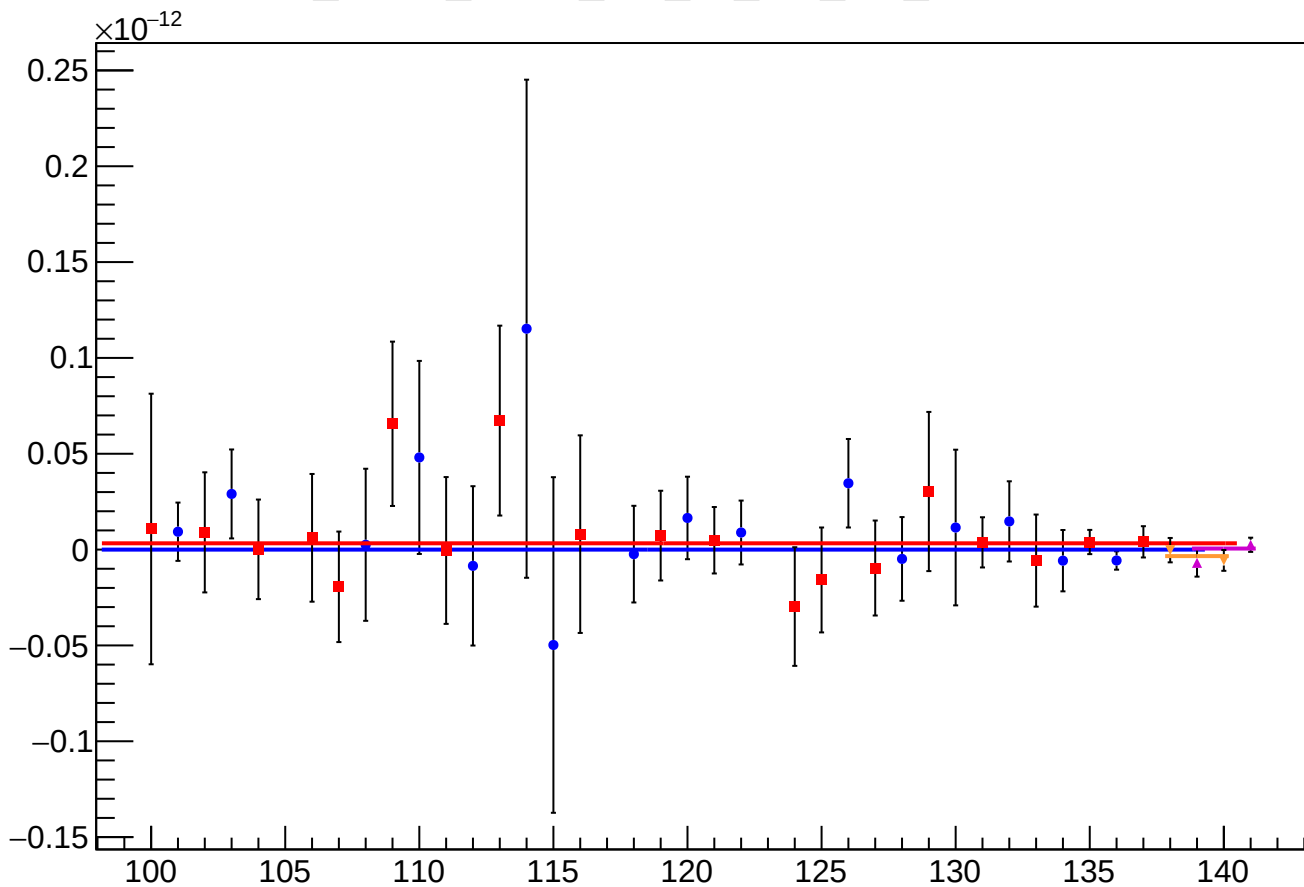
Left In: 10.108 $\pm$ 0.006 χ^2 /NDF:105368.1/1

+ sign 14.537 $\pm$ 0.004 χ^2 /NDF: 3512446.0/17

All: 13.516 $\pm$ 0.003 χ^2 /NDF: 7695092.9/38

- sign 12.732 $\pm$ 0.004 χ^2 /NDF: 4070455.7/20

asym_sam1_eigen_cor_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: 0.4/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.0/18

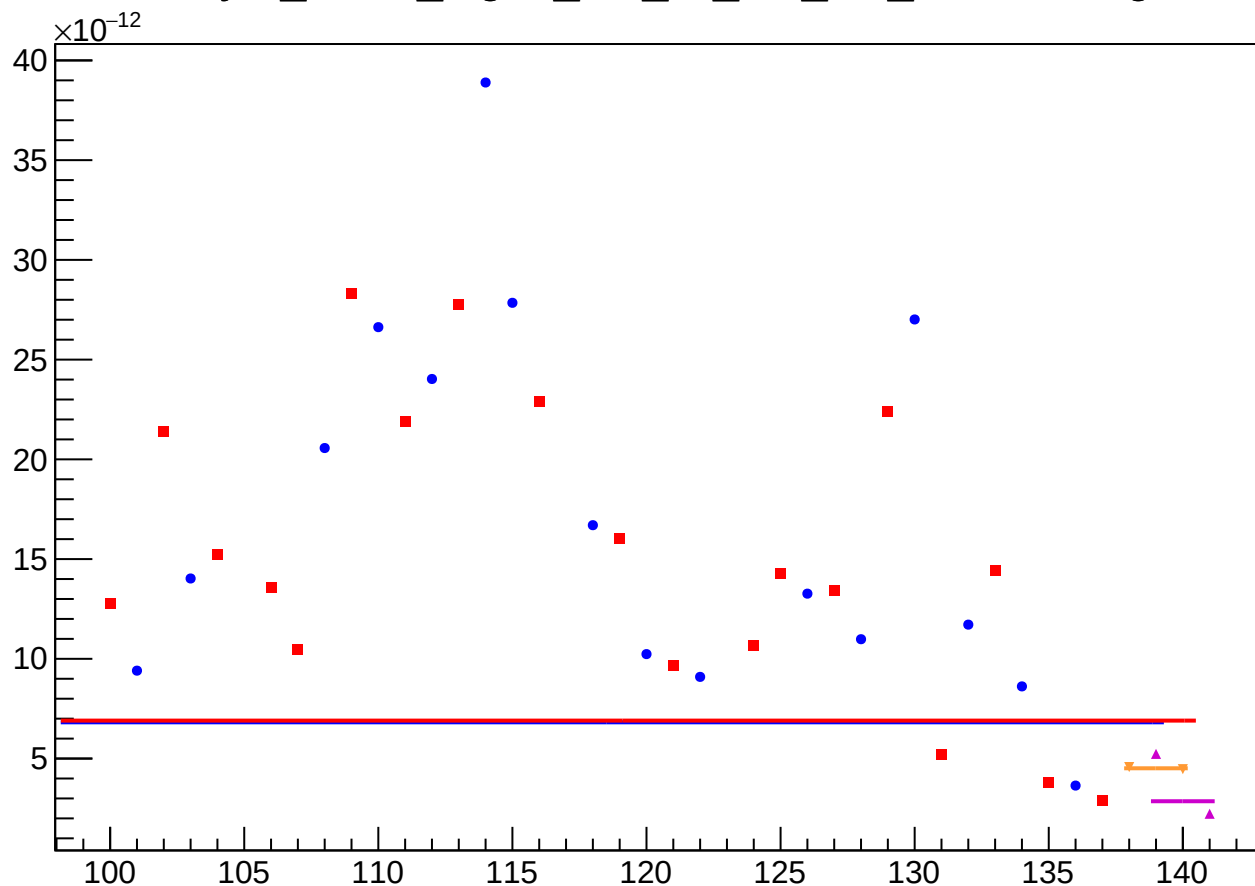
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/20

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 318.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4241227.1/18

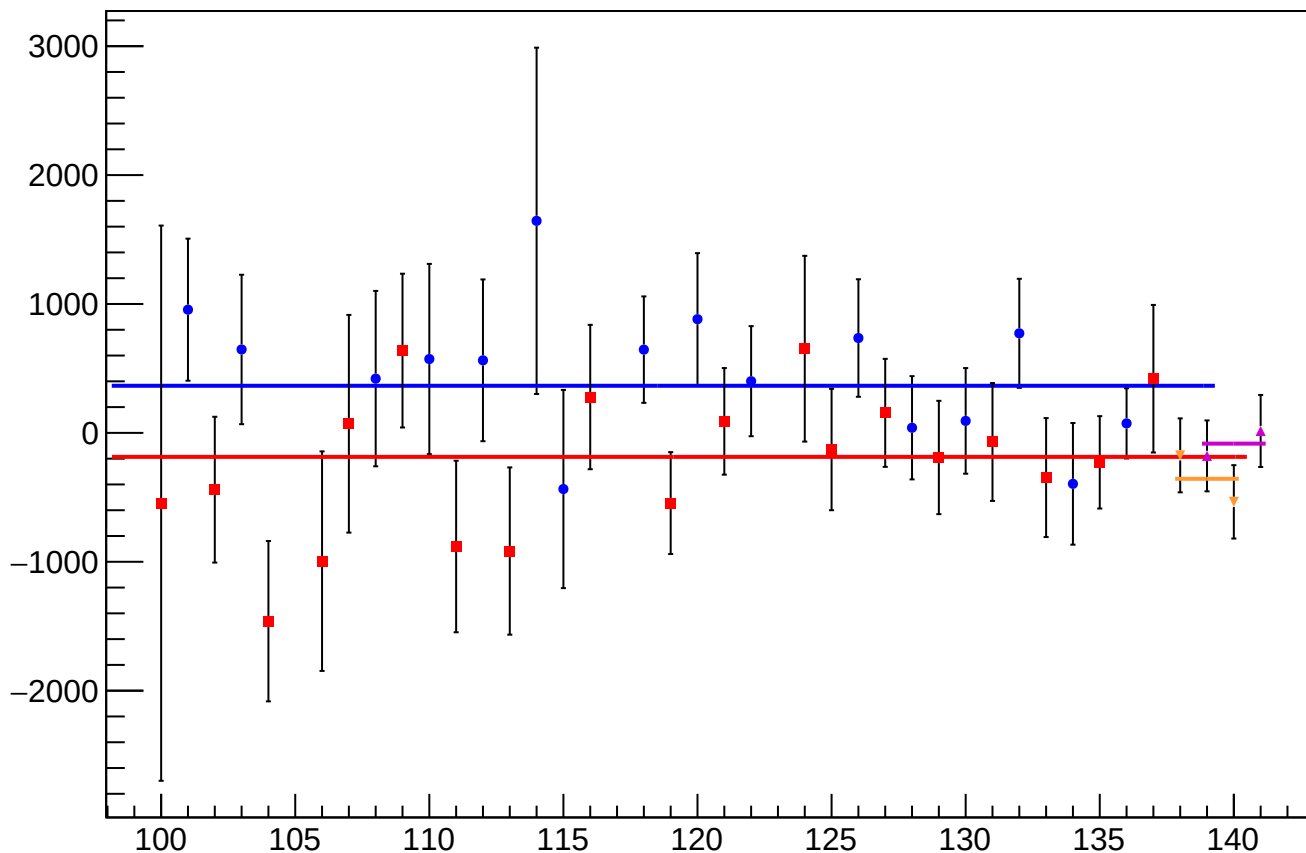
Left In: 0.000+/-0.000 χ^2/NDF : 274305.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3850132.3/17

All: 0.000+/-0.000 χ^2/NDF : 9819835.5/38

- sign 0.000+/-0.000 χ^2/NDF : 5751917.6/20

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

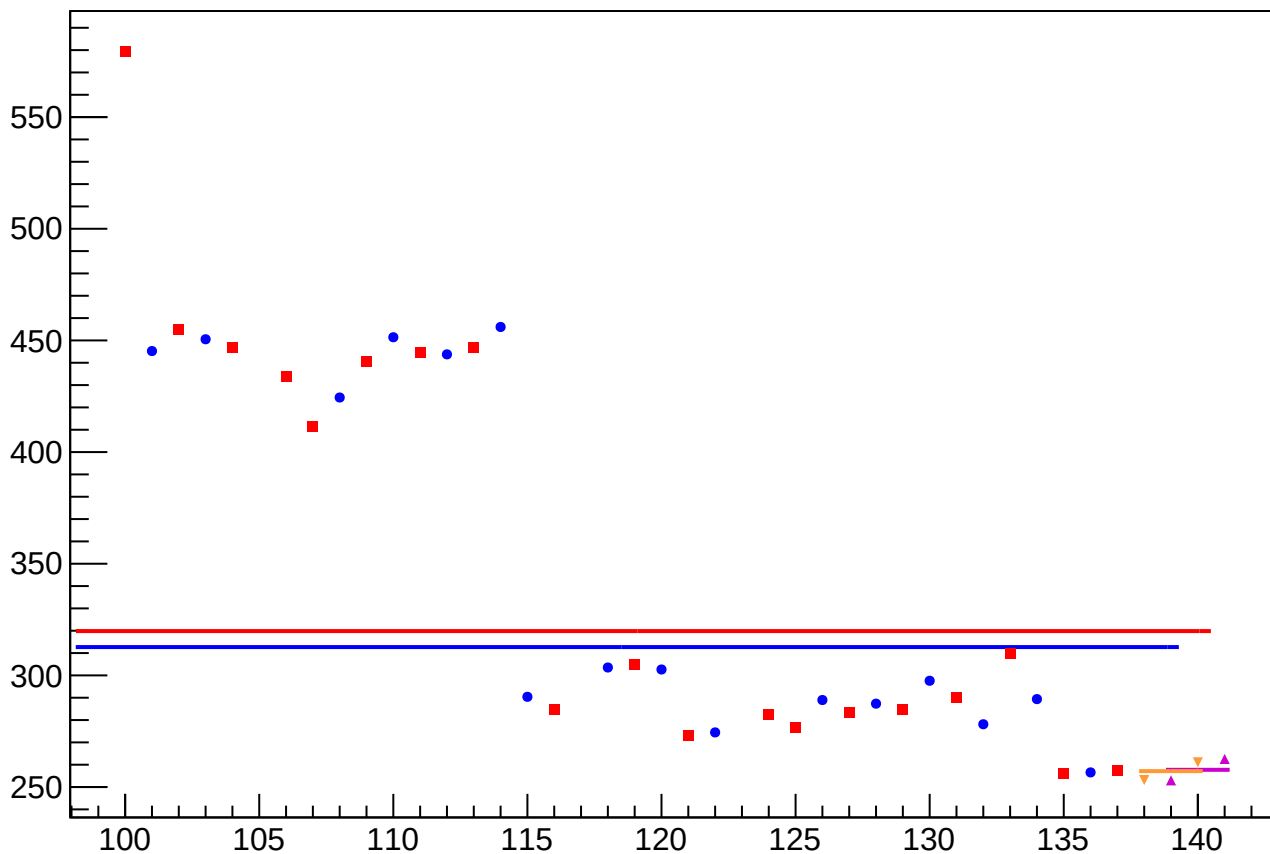
Left In: -83.261 $\pm$ 195.985 χ^2 /NDF: 0.2/1

+ sign 179.955 $\pm$ 102.454 χ^2 /NDF: 21.8/17

All: 10.970 $\pm$ 72.447 χ^2 /NDF: 42.7/38

- sign -158.024 $\pm$ 102.456 χ^2 /NDF: 15.5/20

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

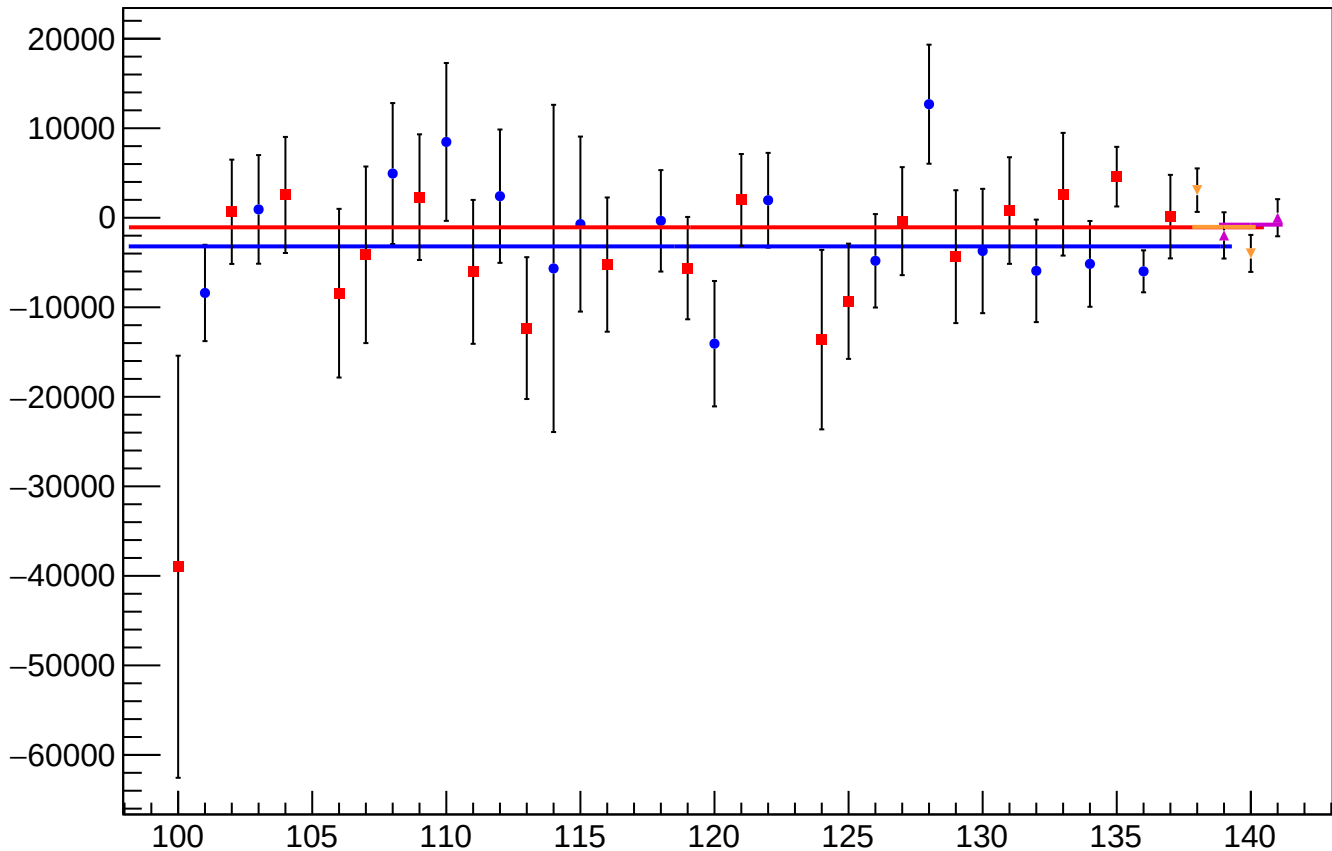
Left In: 257.716 $\pm$ 0.139 χ^2 /NDF: 1198.6/1

+ sign 298.396 $\pm$ 0.072 χ^2 /NDF: 715308.8/17

All: 300.629 $\pm$ 0.051 χ^2 /NDF: 1562324.7/38

- sign 302.862 $\pm$ 0.072 χ^2 /NDF: 845116.0/20

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

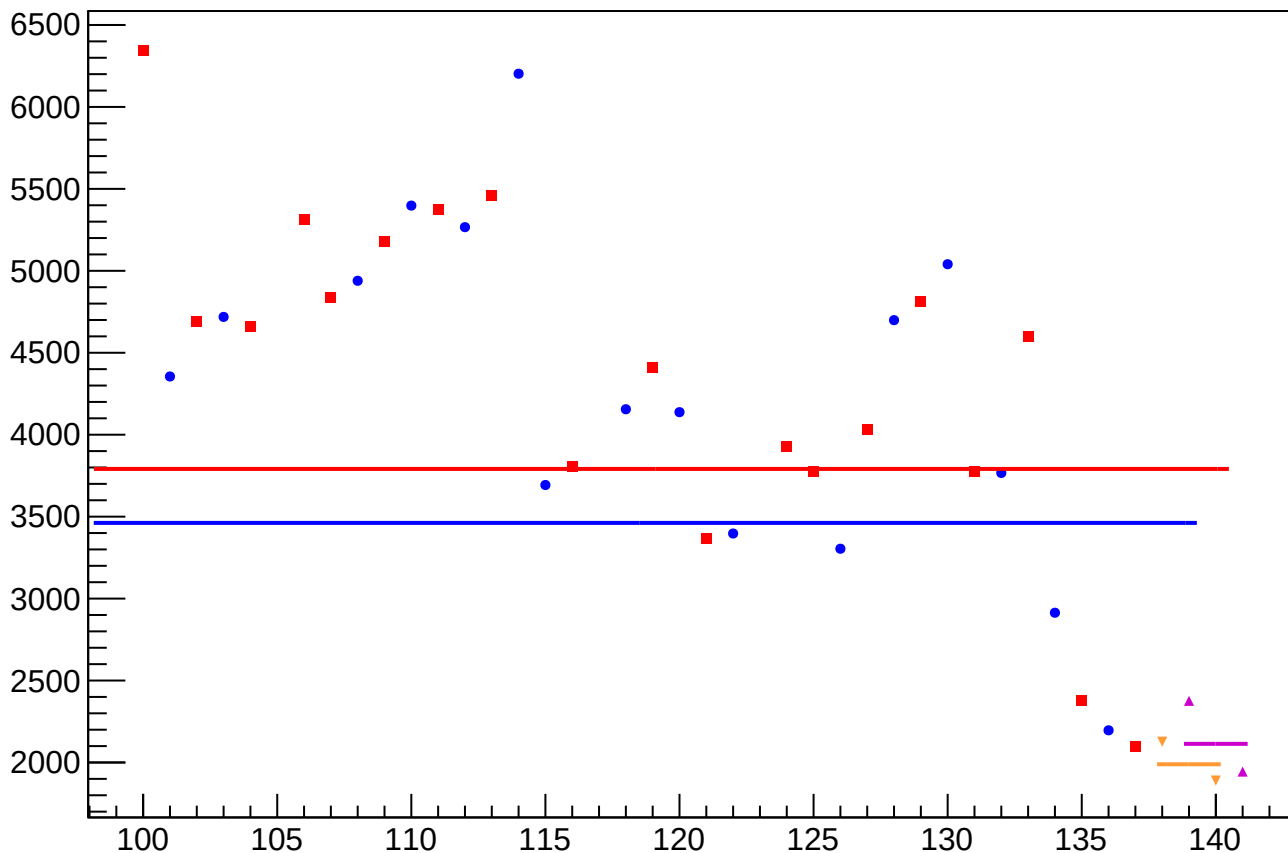
Left In: -770.881 ± 1617.166 χ^2/NDF : 0.4/1

+ sign -2272.138 ± 1026.387 χ^2/NDF : 22.1/17

All: -1635.669 ± 742.955 χ^2/NDF : 37.7/38

- sign -935.116 ± 1076.821 χ^2/NDF : 14.8/20

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF : 1309580.1/15

Left Out: 1989.045+/-1.113 χ^2/NDF : 11031.6/1

Right Out: 3791.207+/-1.021 χ^2/NDF : 1155755.9/18

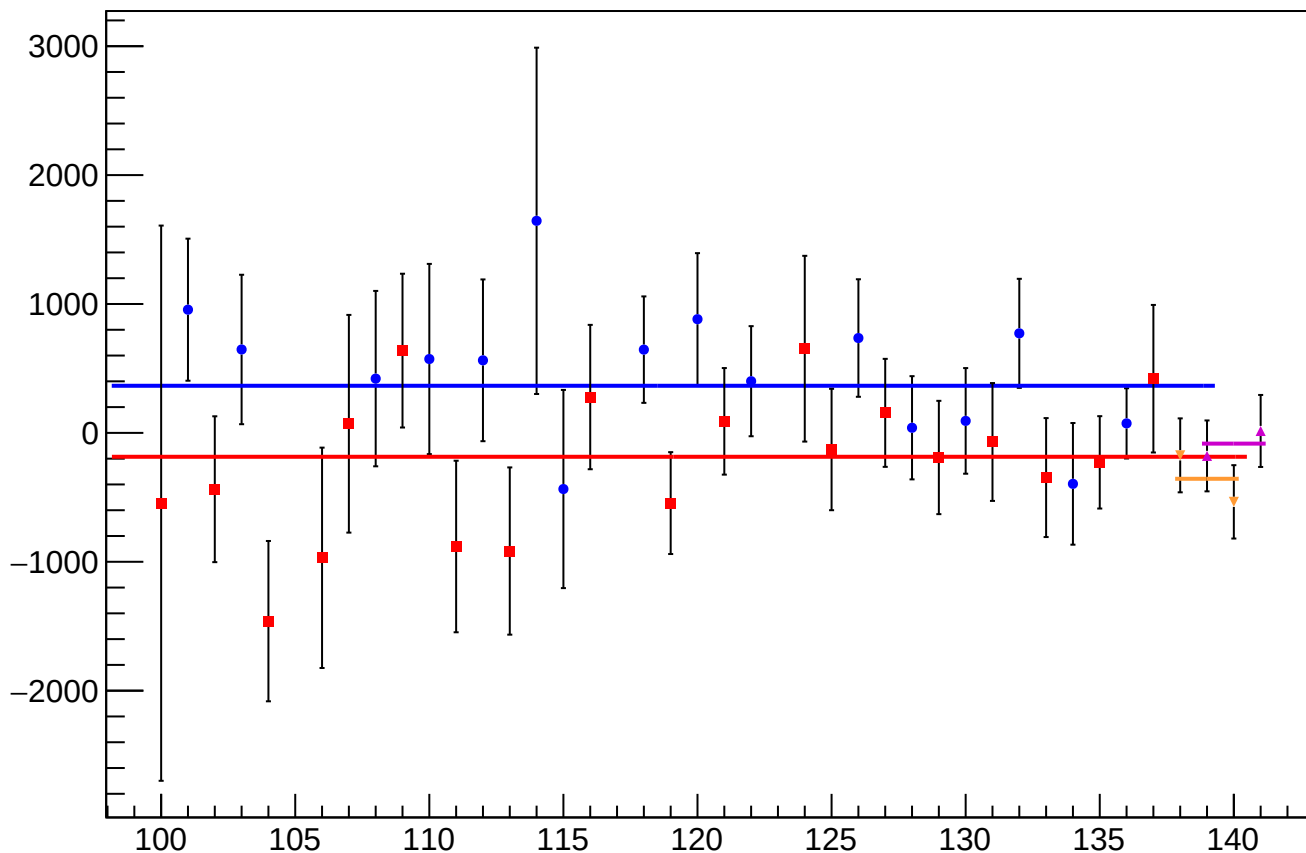
Left In: 2113.692+/-1.144 χ^2/NDF : 33968.2/1

+ sign 2835.634+/-0.726 χ^2/NDF : 2327214.1/17

All: 2936.456+/-0.525 χ^2/NDF : 4755351.9/38

- sign 3047.428+/-0.761 χ^2/NDF : 2387598.9/20

cor_asym_sam2_mean vs Slug



Right In: 365.523 $\pm$ 118.873 χ^2 /NDF: 11.5/15

Left Out: -356.096 $\pm$ 202.032 χ^2 /NDF: 0.8/1

Right Out: -185.331 $\pm$ 120.199 χ^2 /NDF: 14.9/18

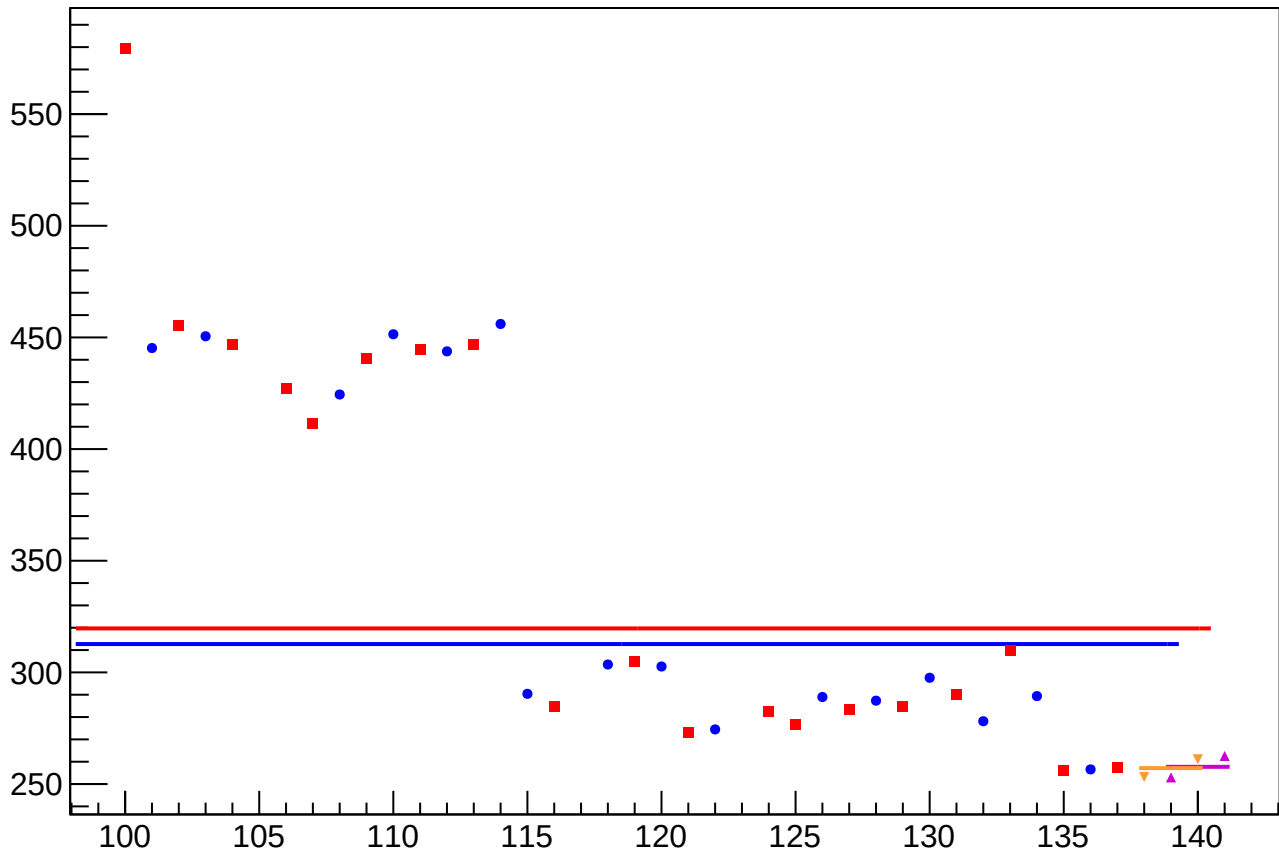
Left In: -83.287 $\pm$ 195.985 χ^2 /NDF: 0.2/1

+ sign 179.945 $\pm$ 102.454 χ^2 /NDF: 21.8/17

All: 11.269 $\pm$ 72.449 χ^2 /NDF: 42.6/38

- sign -157.439 $\pm$ 102.463 χ^2 /NDF: 15.4/20

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

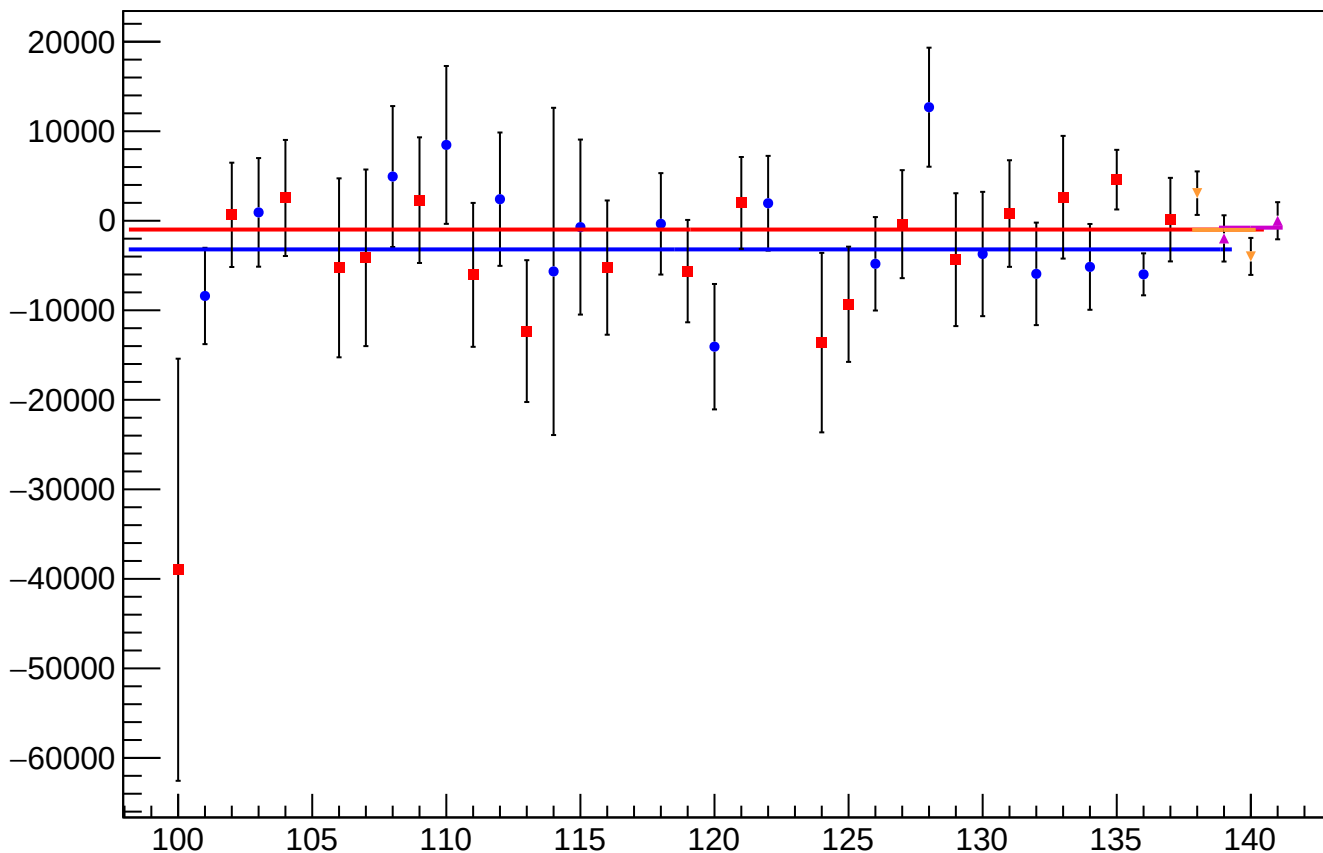
Left In: 257.716 $\pm$ 0.139 χ^2 /NDF: 1198.6/1

+ sign 298.396 $\pm$ 0.072 χ^2 /NDF: 715310.3/17

All: 300.574 $\pm$ 0.051 χ^2 /NDF: 1557366.8/38

- sign 302.752 $\pm$ 0.072 χ^2 /NDF: 840249.1/20

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673 ± 1353.816 χ^2/NDF : 16.1/15

Left Out: -1019.627 ± 1574.007 χ^2/NDF : 4.9/1

Right Out: -980.937 ± 1445.265 χ^2/NDF : 14.0/18

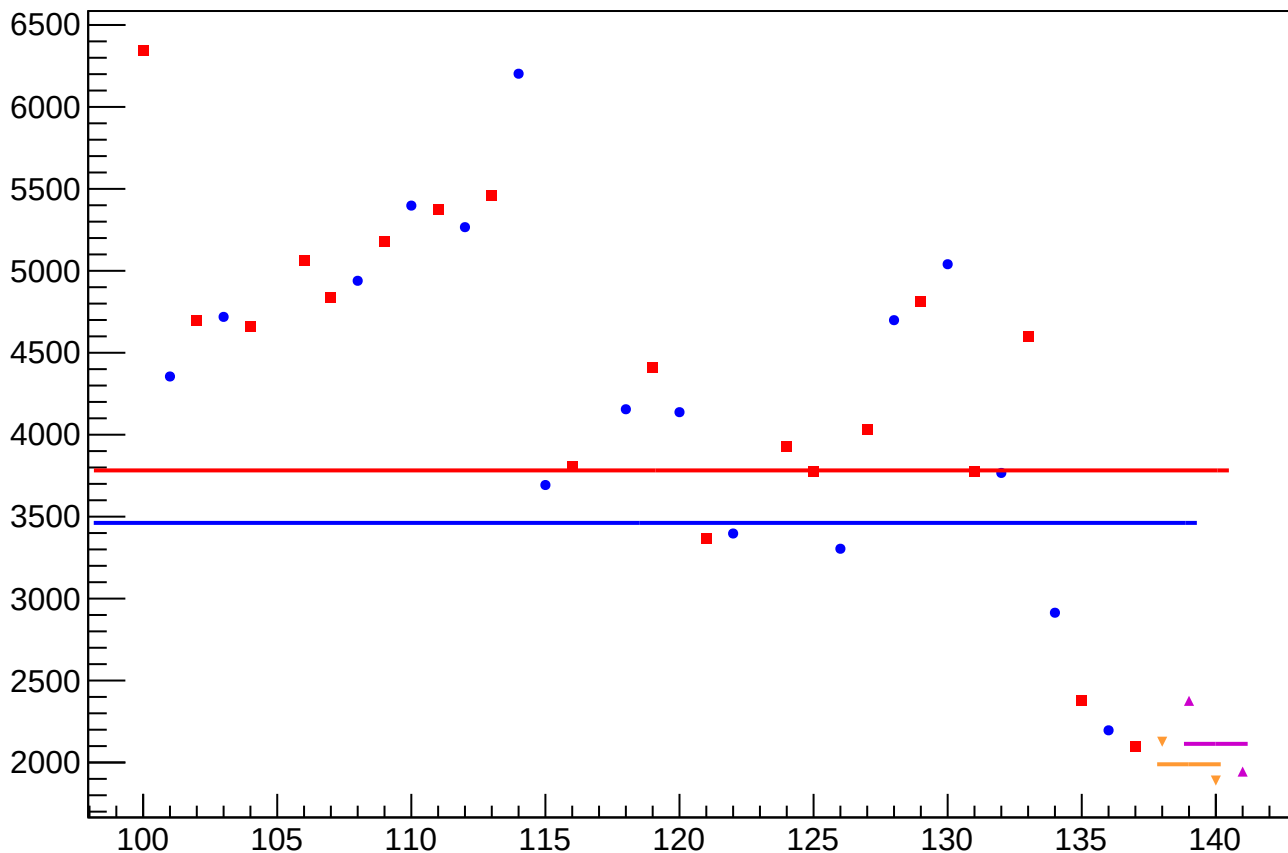
Left In: -770.945 ± 1617.167 χ^2/NDF : 0.4/1

+ sign -2272.106 ± 1026.388 χ^2/NDF : 22.1/17

All: -1613.592 ± 743.220 χ^2/NDF : 37.3/38

- sign -887.692 ± 1077.625 χ^2/NDF : 14.3/20

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF : 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF : 11032.0/1

Right Out: 3782.176+/-1.022 χ^2/NDF : 1136342.8/18

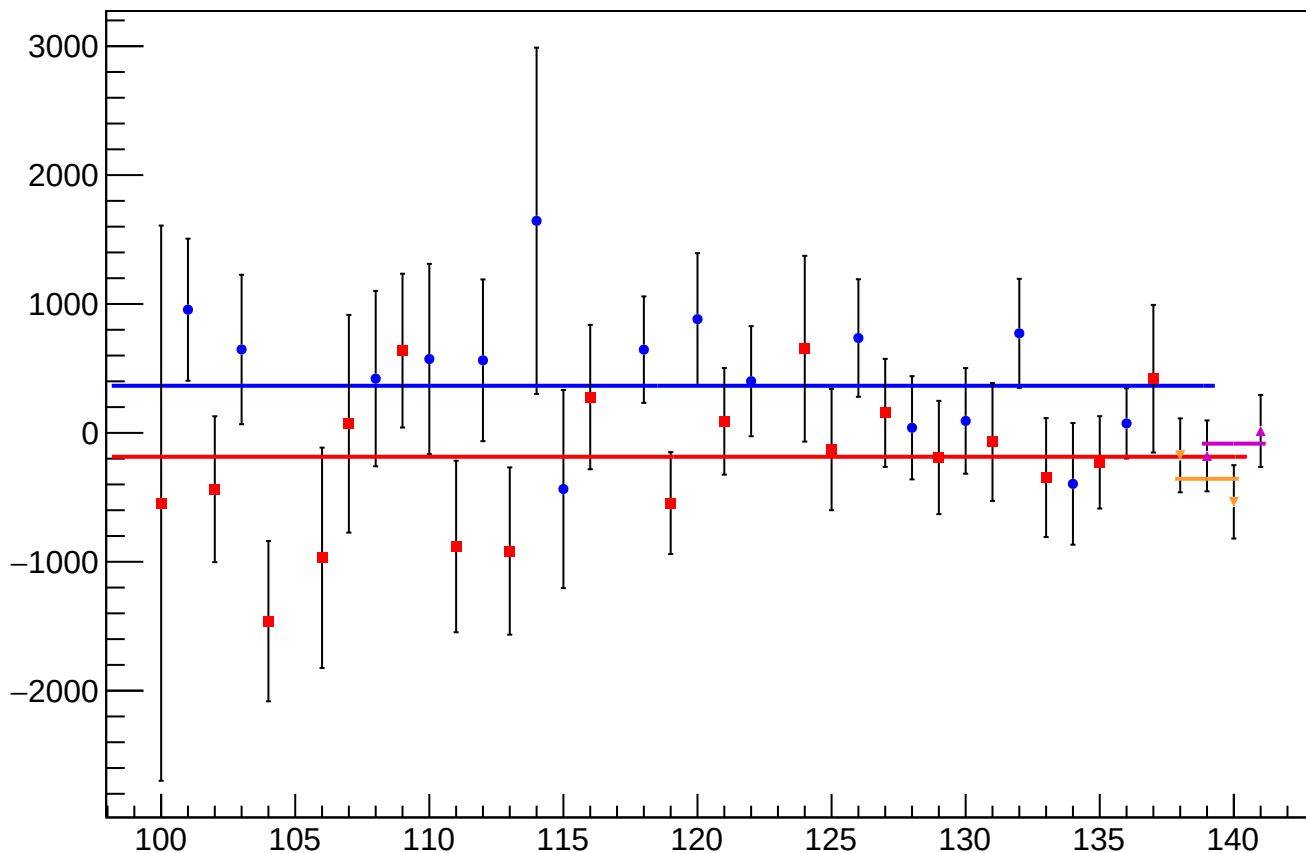
Left In: 2113.693+/-1.144 χ^2/NDF : 33968.1/1

+ sign 2835.635+/-0.726 χ^2/NDF : 2327235.4/17

All: 2933.461+/-0.526 χ^2/NDF : 4719341.2/38

- sign 3041.297+/-0.762 χ^2/NDF : 2353910.4/20

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -356.096 ± 202.032 χ^2/NDF : 0.8/1

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

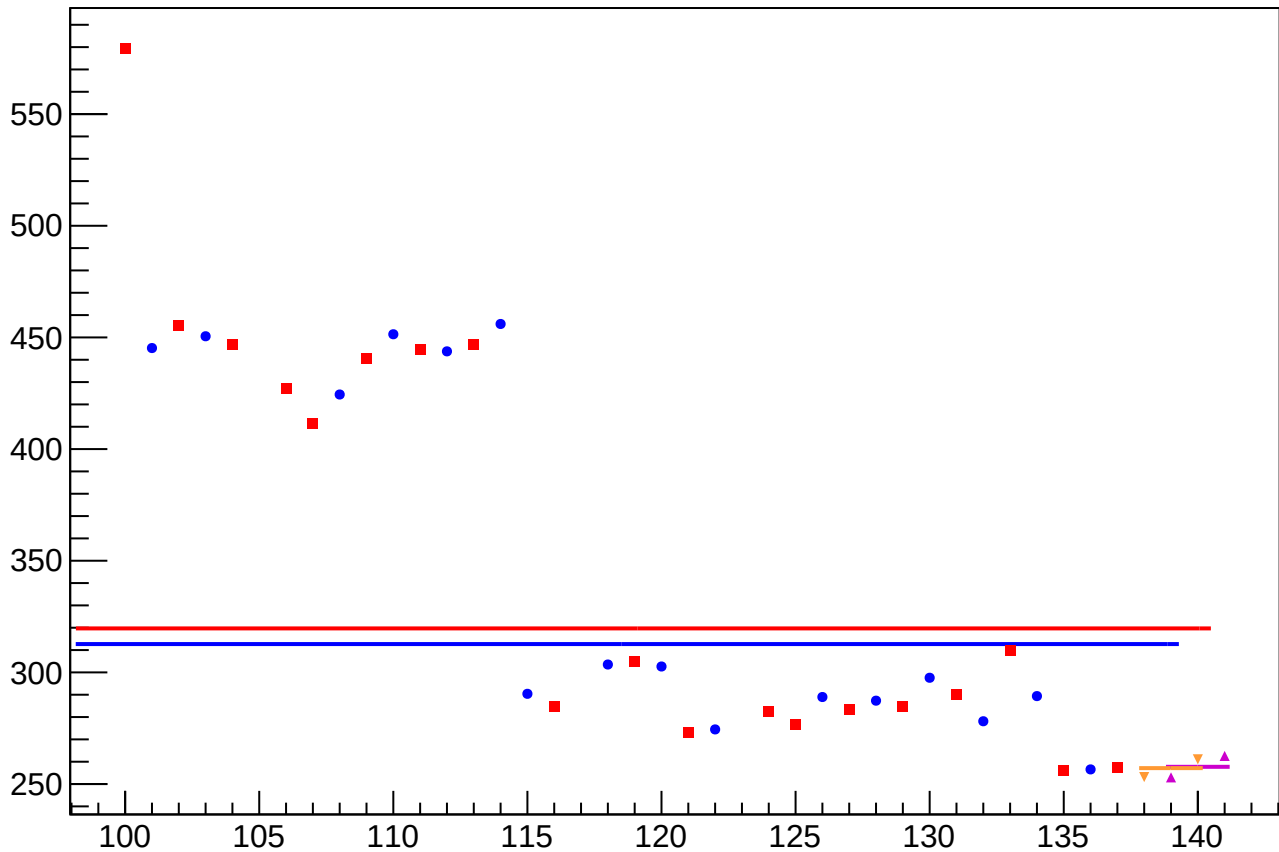
Left In: -83.287 ± 195.985 χ^2/NDF : 0.2/1

+ sign 179.945 ± 102.454 χ^2/NDF : 21.8/17

All: 11.269 ± 72.449 χ^2/NDF : 42.6/38

- sign -157.439 ± 102.463 χ^2/NDF : 15.4/20

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

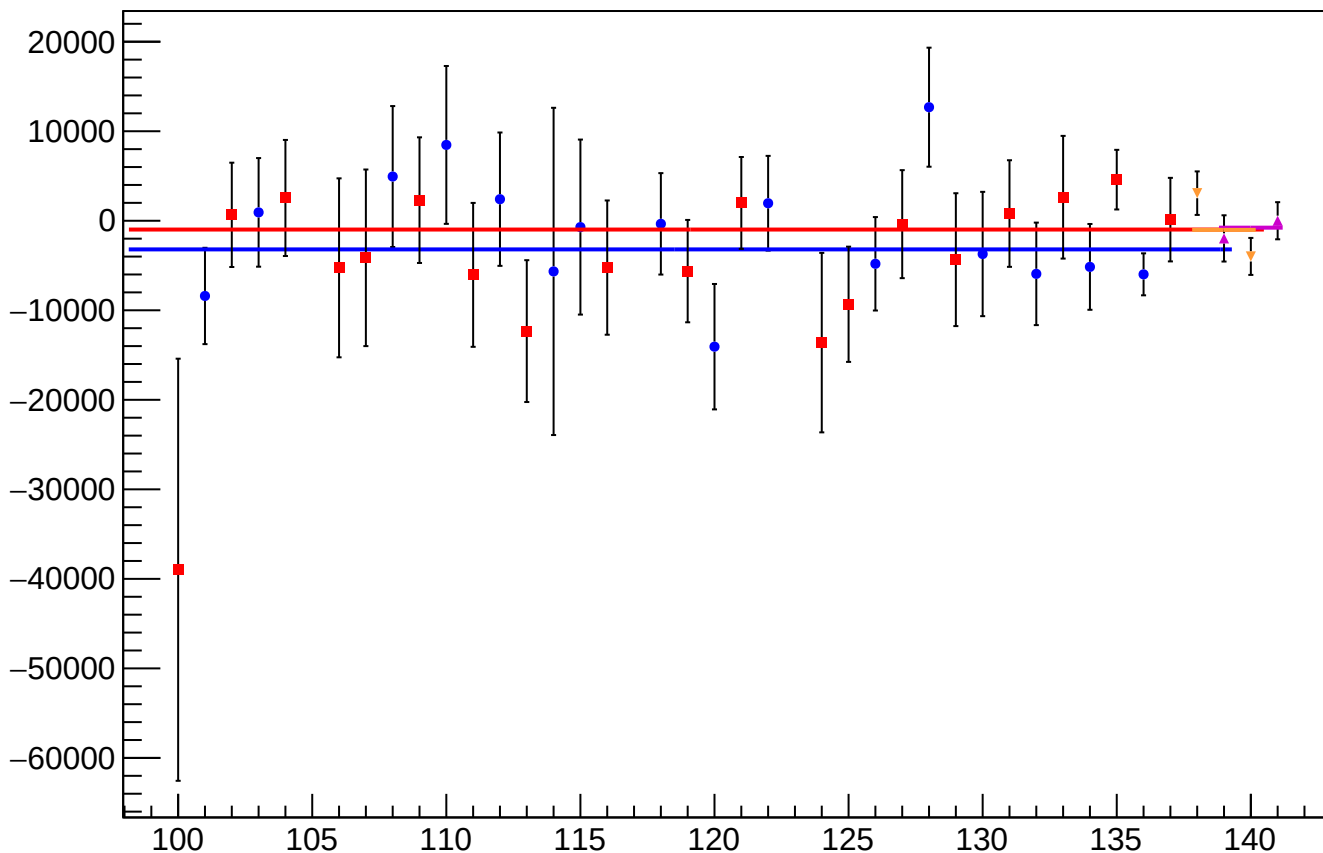
Left In: 257.716 $\pm$ 0.139 χ^2 /NDF: 1198.6/1

+ sign 298.396 $\pm$ 0.072 χ^2 /NDF: 715310.3/17

All: 300.574 $\pm$ 0.051 χ^2 /NDF: 1557366.8/38

- sign 302.752 $\pm$ 0.072 χ^2 /NDF: 840249.1/20

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673 ± 1353.816 χ^2/NDF : 16.1/15

Left Out: -1019.627 ± 1574.007 χ^2/NDF : 4.9/1

Right Out: -980.937 ± 1445.265 χ^2/NDF : 14.0/18

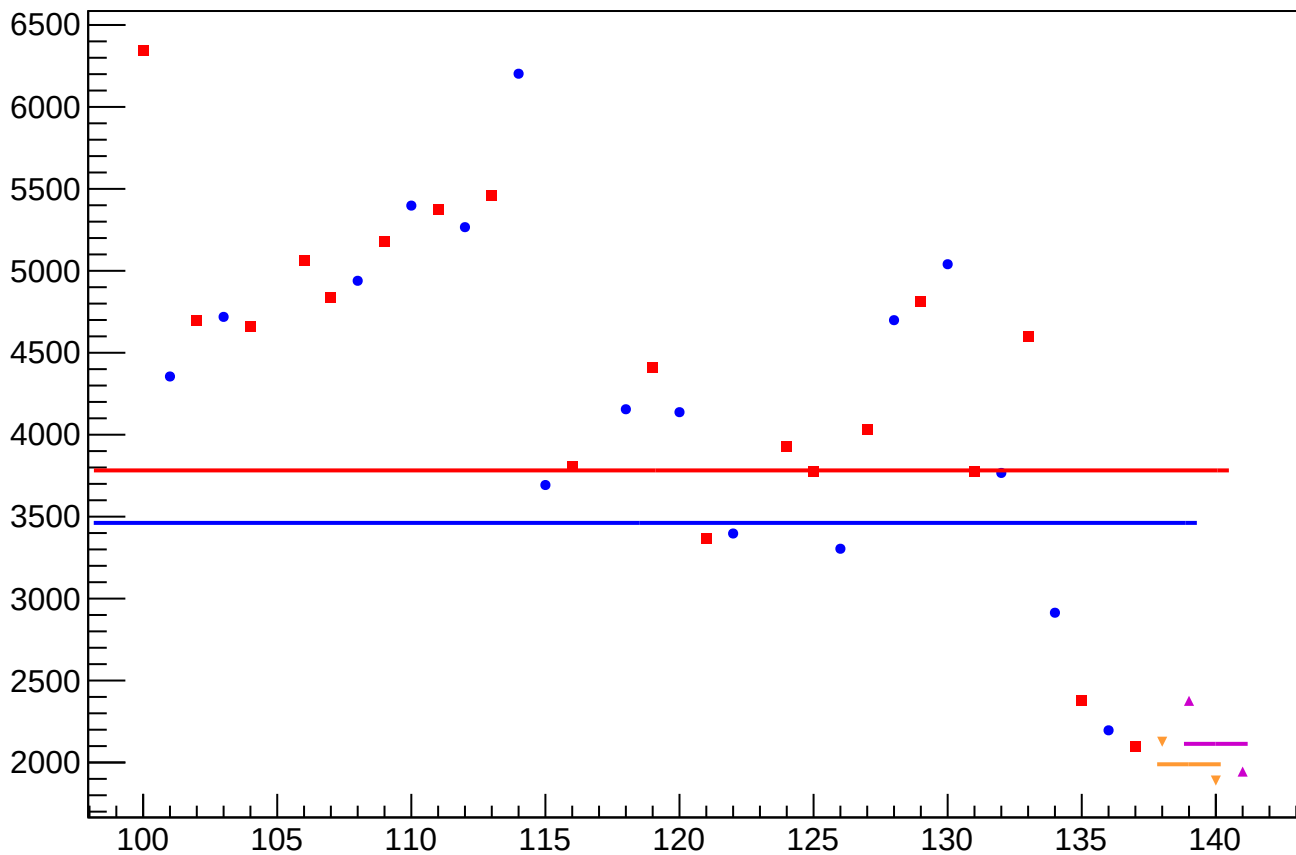
Left In: -770.945 ± 1617.167 χ^2/NDF : 0.4/1

+ sign -2272.106 ± 1026.388 χ^2/NDF : 22.1/17

All: -1613.592 ± 743.220 χ^2/NDF : 37.3/38

- sign -887.692 ± 1077.625 χ^2/NDF : 14.3/20

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF : 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF : 11032.0/1

Right Out: 3782.176+/-1.022 χ^2/NDF : 1136342.8/18

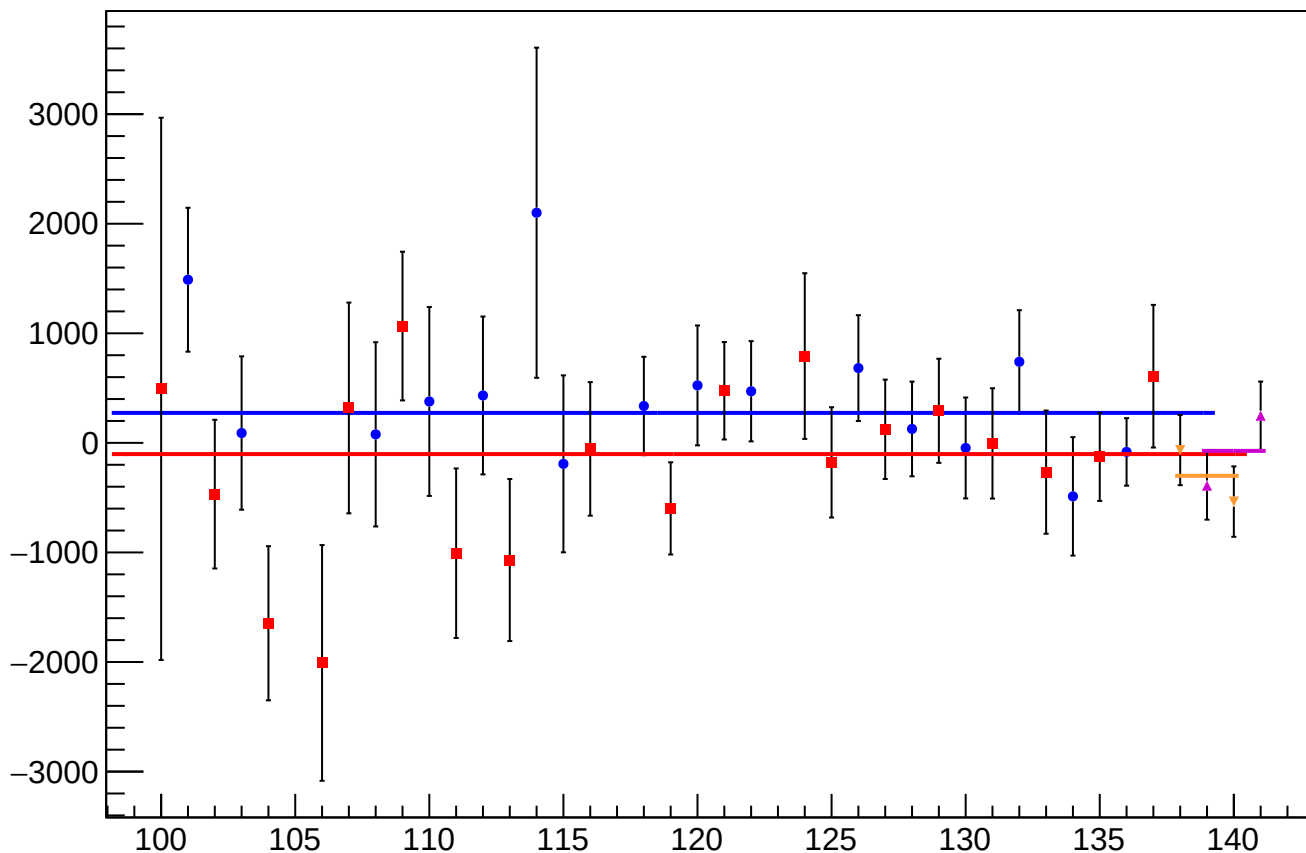
Left In: 2113.693+/-1.144 χ^2/NDF : 33968.1/1

+ sign 2835.635+/-0.726 χ^2/NDF : 2327235.4/17

All: 2933.461+/-0.526 χ^2/NDF : 4719341.2/38

- sign 3041.297+/-0.762 χ^2/NDF : 2353910.4/20

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

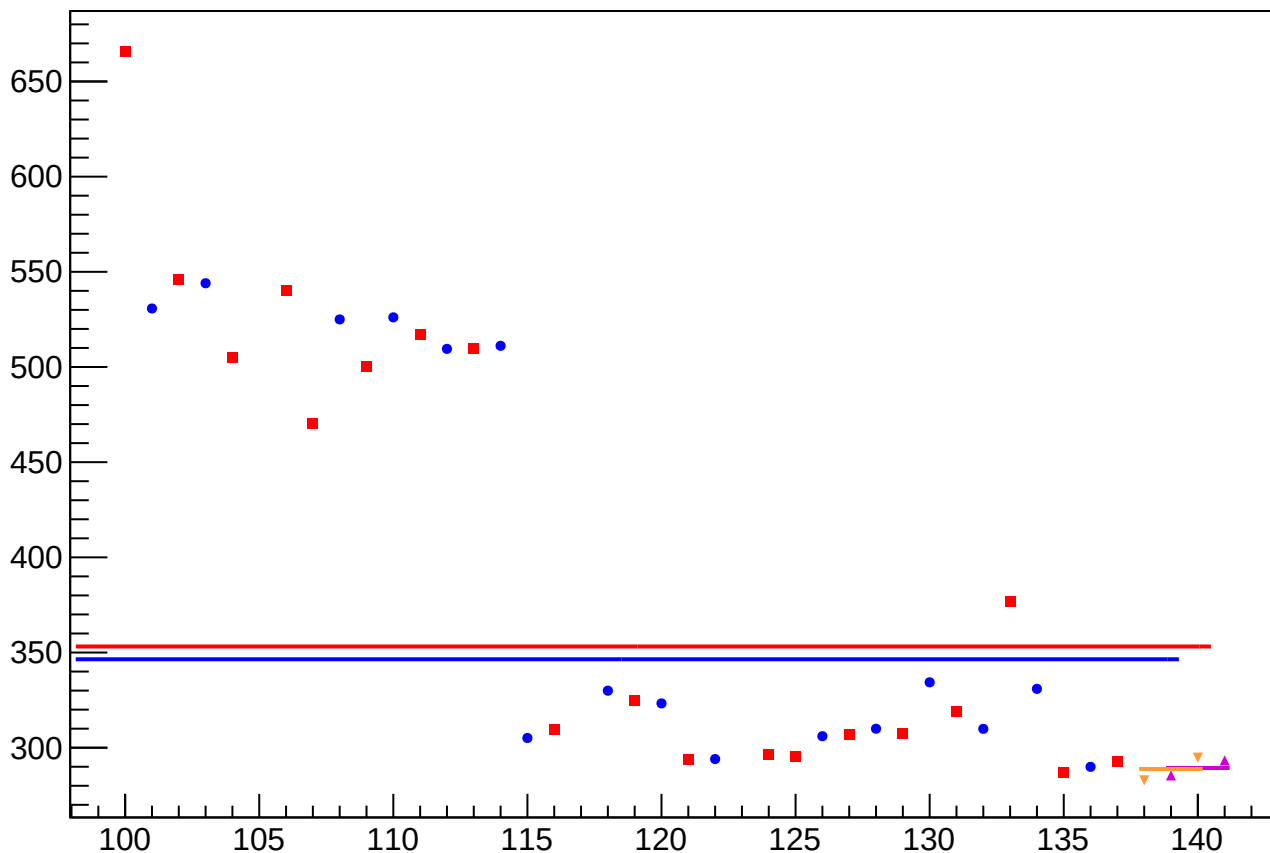
Left In: -73.105 $\pm$ 219.989 χ^2 /NDF: 2.1/1

+ sign 127.573 $\pm$ 114.439 χ^2 /NDF: 17.3/17

All: 16.308 $\pm$ 80.834 χ^2 /NDF: 42.6/38

- sign -94.484 $\pm$ 114.195 χ^2 /NDF: 23.4/20

dit_asym_sam2_rms vs Slug



Right In: 346.455 $\pm$ 0.094 χ^2 /NDF: 768763.1/15

Left Out: 288.787 $\pm$ 0.160 χ^2 /NDF:1379.9/1

Right Out: 353.178 $\pm$ 0.094 χ^2 /NDF: 866364.3/18

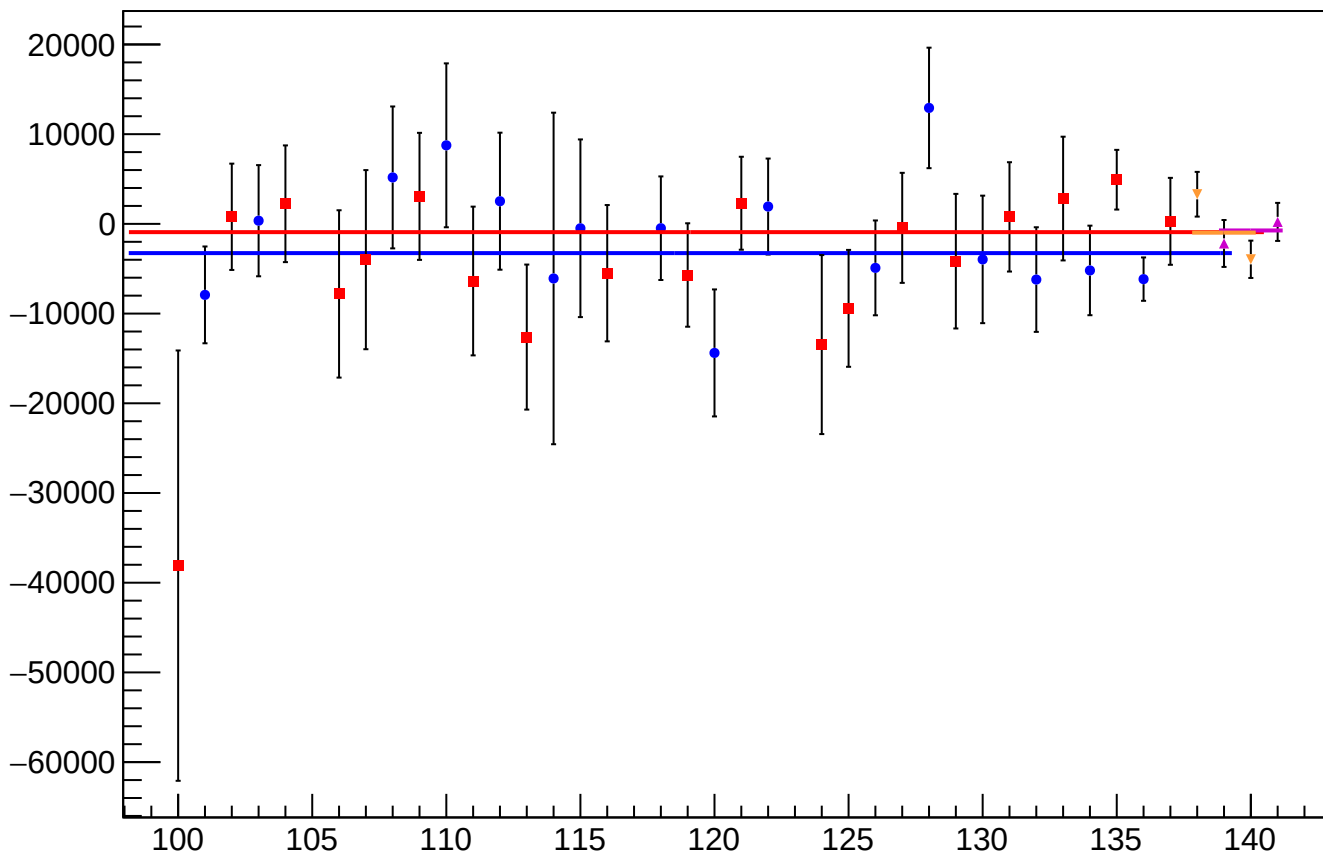
Left In: 289.350 $\pm$ 0.156 χ^2 /NDF:637.6/1

+ sign 331.781 $\pm$ 0.081 χ^2 /NDF: 866488.8/17

All: 333.884 $\pm$ 0.057 χ^2 /NDF: 1857833.0/38

- sign 335.979 $\pm$ 0.081 χ^2 /NDF: 989995.8/20

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

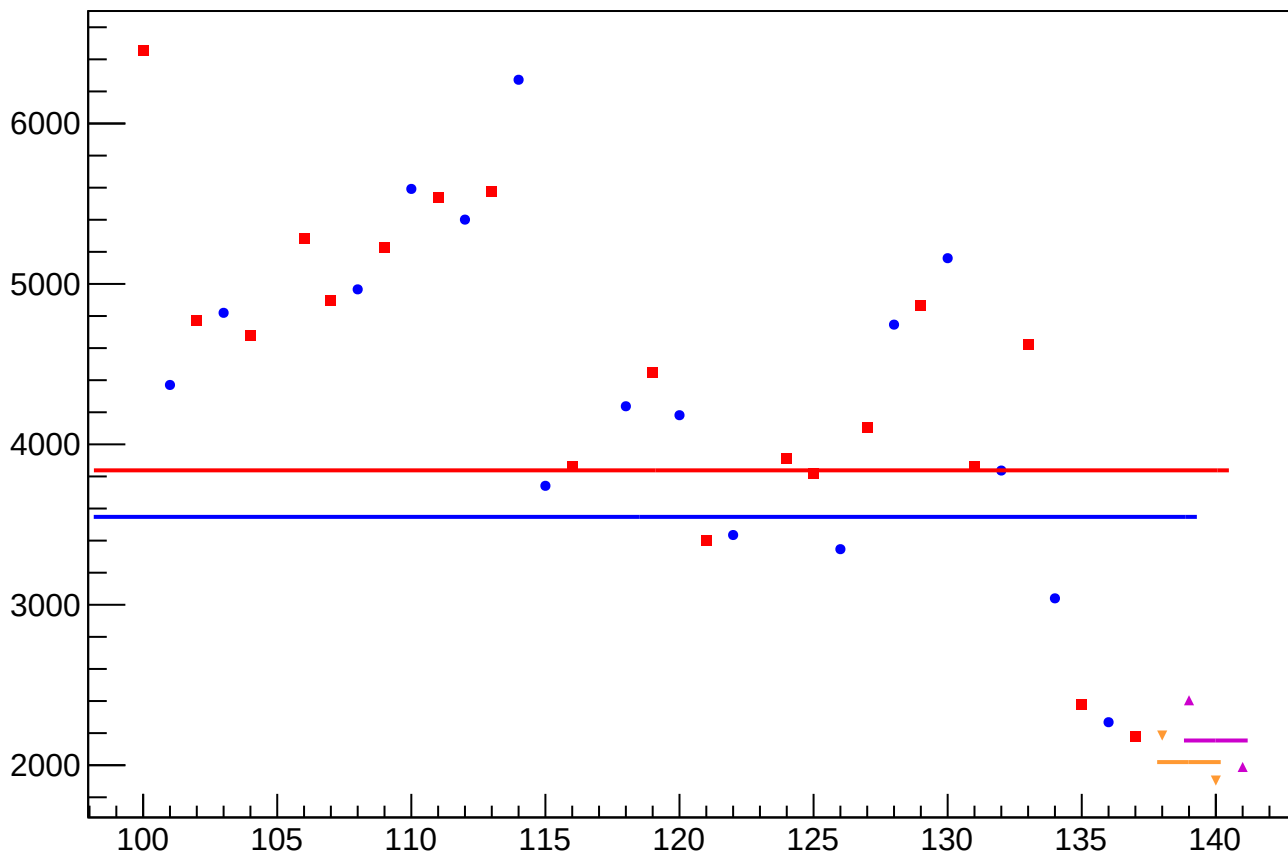
Left In: -734.055 ± 1646.667 χ^2/NDF : 0.5/1

+ sign -2278.213 ± 1045.948 χ^2/NDF : 22.2/17

All: -1589.978 ± 755.598 χ^2/NDF : 38.2/38

- sign -838.784 ± 1092.741 χ^2/NDF : 15.1/20

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

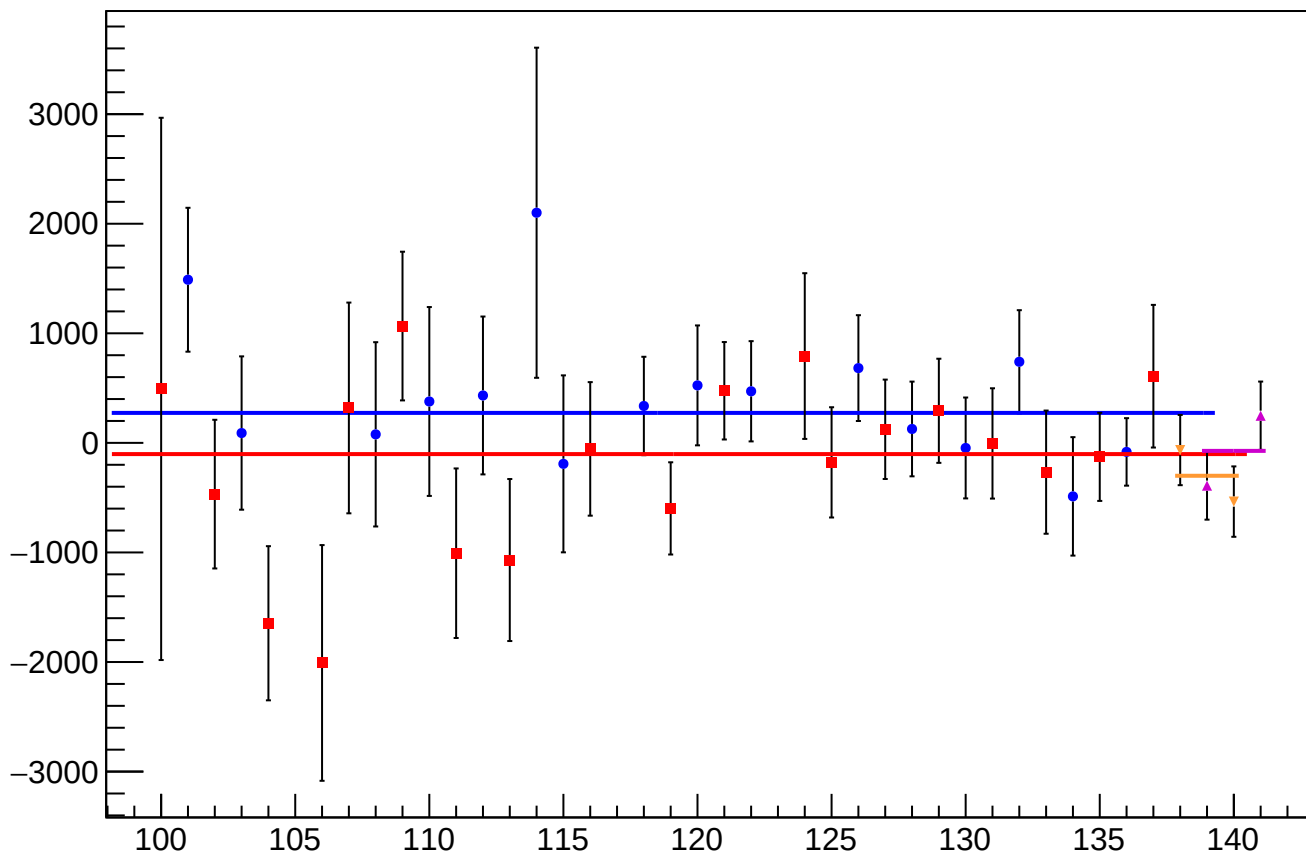
Left In: 2154.015+/-1.164 χ^2/NDF : 30502.5/1

+ sign 2892.275+/-0.740 χ^2/NDF : 2319708.1/17

All: 2989.872+/-0.534 χ^2/NDF : 4712973.6/38

- sign 3096.397+/-0.773 χ^2/NDF : 2356845.9/20

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582 $\pm$ 132.536 χ^2 /NDF: 11.4/15

Left Out: -300.222 $\pm$ 226.865 χ^2 /NDF: 1.1/1

Right Out: -102.368 $\pm$ 133.606 χ^2 /NDF: 21.3/18

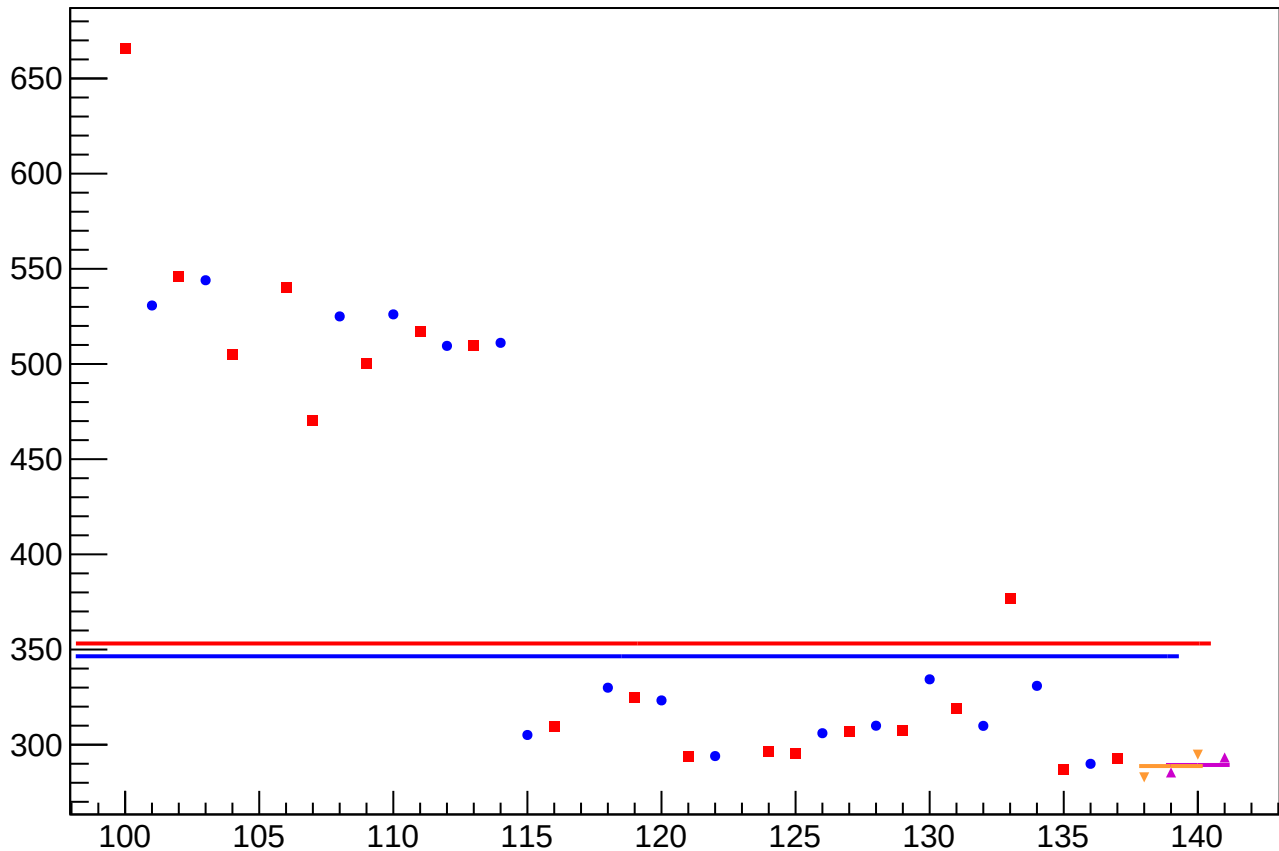
Left In: -73.103 $\pm$ 219.989 χ^2 /NDF: 2.1/1

+ sign 127.575 $\pm$ 114.439 χ^2 /NDF: 17.3/17

All: 16.310 $\pm$ 80.834 χ^2 /NDF: 42.6/38

- sign -94.482 $\pm$ 114.195 χ^2 /NDF: 23.4/20

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453 $\pm$ 0.094 χ^2 /NDF: 768754.7/15

Left Out: 288.787 $\pm$ 0.160 χ^2 /NDF:1380.1/1

Right Out: 353.176 $\pm$ 0.094 χ^2 /NDF: 866353.6/18

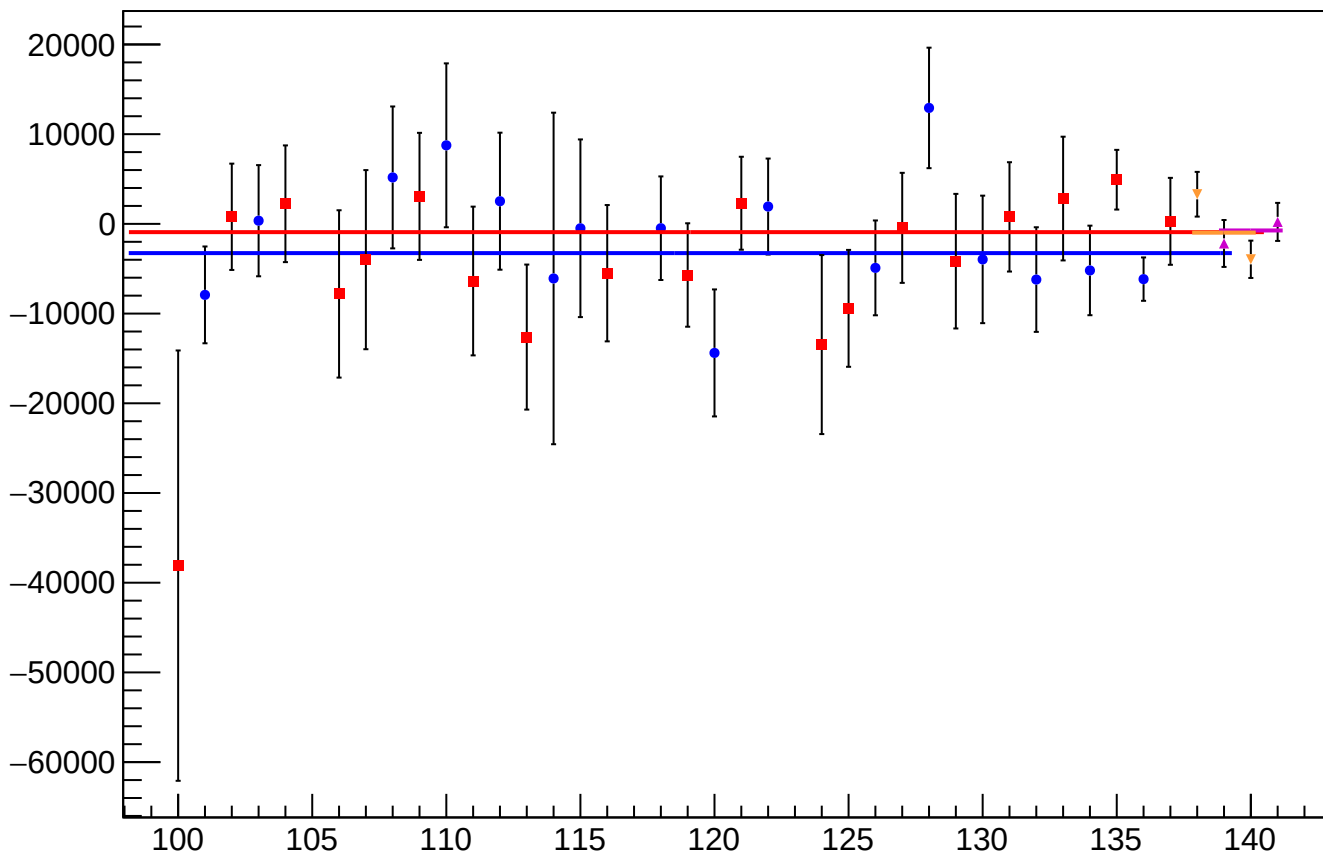
Left In: 289.350 $\pm$ 0.156 χ^2 /NDF:637.7/1

+ sign 331.779 $\pm$ 0.081 χ^2 /NDF: 866475.3/17

All: 333.883 $\pm$ 0.057 χ^2 /NDF: 1857805.3/38

- sign 335.978 $\pm$ 0.081 χ^2 /NDF: 989981.2/20

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828 $\pm$ 1384.137 χ^2 /NDF: 16.0/15

Left Out: -972.828 $\pm$ 1596.972 χ^2 /NDF:5.0/1

Right Out: -921.200 $\pm$ 1460.725 χ^2 /NDF: 14.6/18

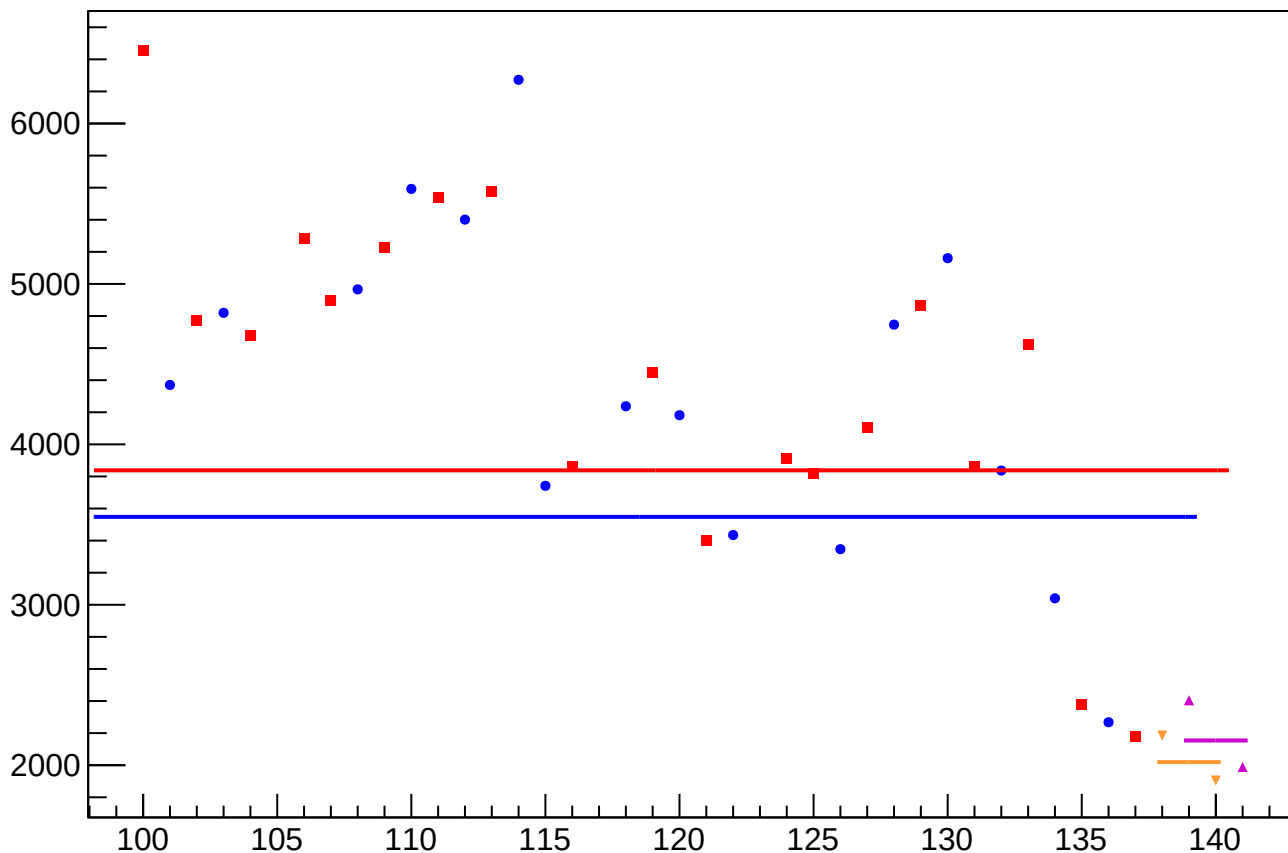
Left In: -734.058 $\pm$ 1646.666 χ^2 /NDF:0.5/1

+ sign -2278.208 $\pm$ 1045.947 χ^2 /NDF: 22.2/17

All: -1589.976 $\pm$ 755.597 χ^2 /NDF: 38.2/38

- sign -838.787 $\pm$ 1092.740 χ^2 /NDF: 15.1/20

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF : 1258472.8/15

Left Out: 2019.430+/-1.129 χ^2/NDF : 14940.8/1

Right Out: 3837.965+/-1.033 χ^2/NDF : 1155821.5/18

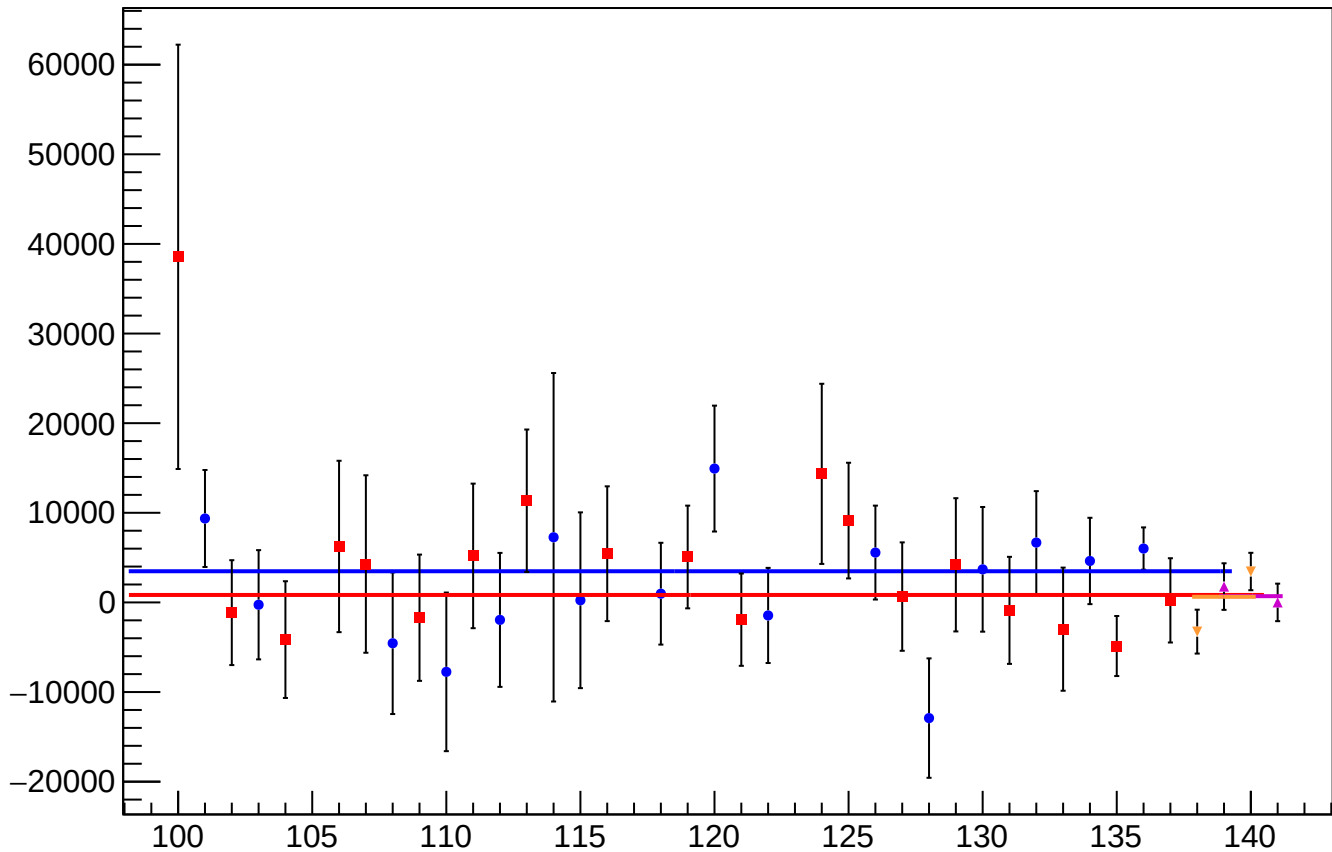
Left In: 2154.014+/-1.164 χ^2/NDF : 30501.1/1

+ sign 2892.273+/-0.740 χ^2/NDF : 2319693.3/17

All: 2989.870+/-0.534 χ^2/NDF : 4712945.6/38

- sign 3096.394+/-0.773 χ^2/NDF : 2356832.8/20

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

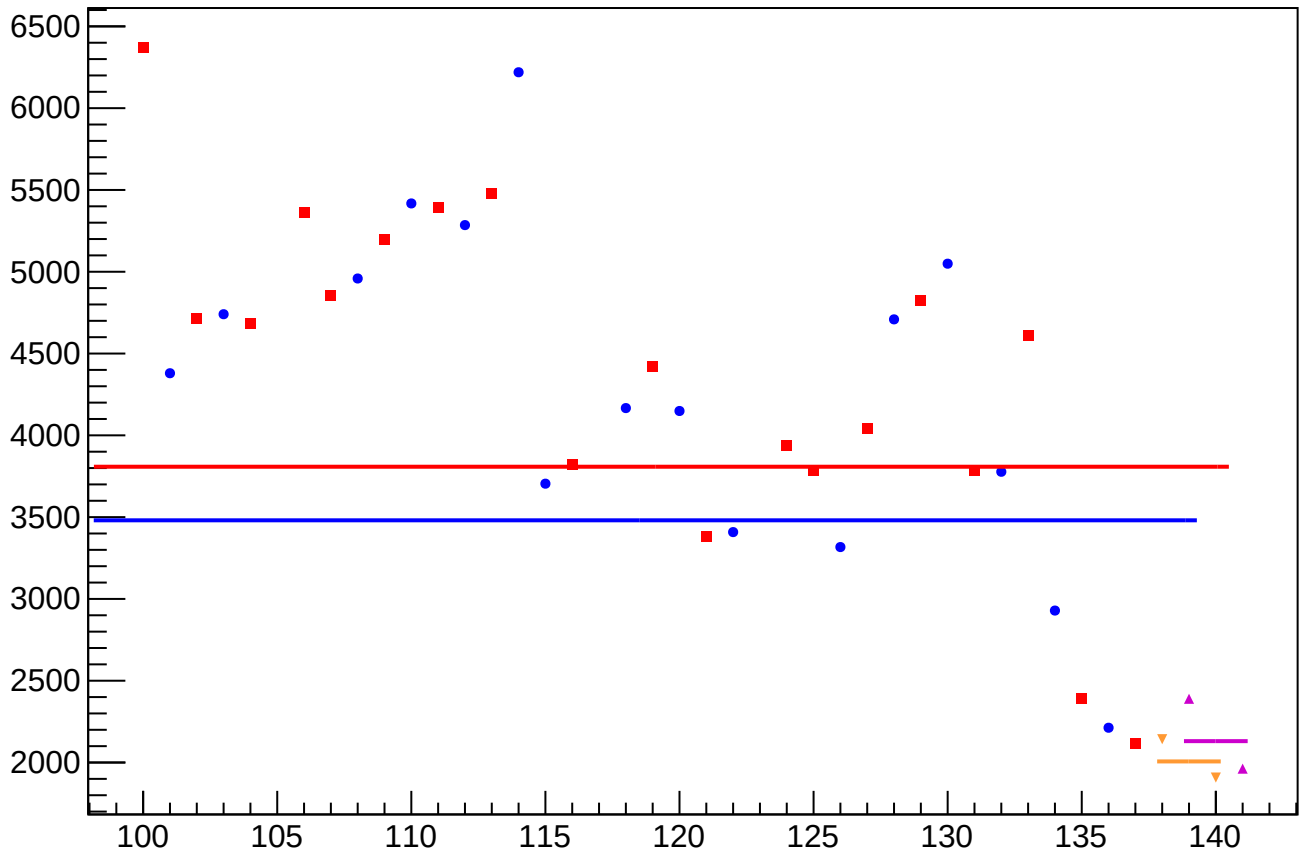
Left In: 696.941 $\pm$ 1629.790 χ^2 /NDF: 0.3/1

+ sign 2271.811 $\pm$ 1032.997 χ^2 /NDF: 22.5/17

All: 1557.763 $\pm$ 747.547 χ^2 /NDF: 37.8/38

- sign 772.670 $\pm$ 1083.168 χ^2 /NDF: 14.3/20

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF : 1296641.6/15

Left Out: 2006.624+/-1.123 χ^2/NDF : 10629.3/1

Right Out: 3808.151+/-1.025 χ^2/NDF : 1147564.2/18

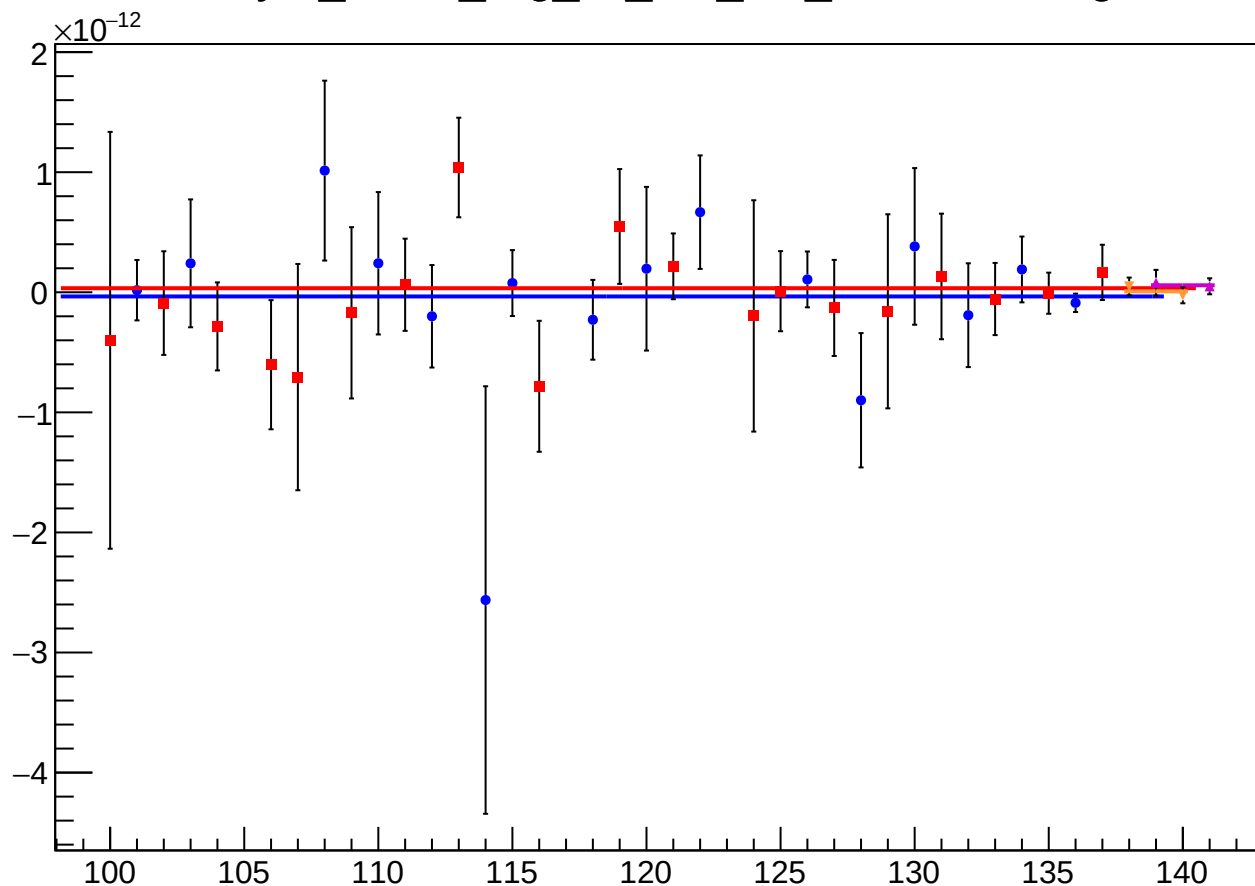
Left In: 2130.654+/-1.152 χ^2/NDF : 32789.4/1

+ sign 2856.532+/-0.730 χ^2/NDF : 2301318.1/17

All: 2956.873+/-0.529 χ^2/NDF : 4704215.7/38

- sign 3067.198+/-0.766 χ^2/NDF : 2363278.2/20

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.6/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.5/18

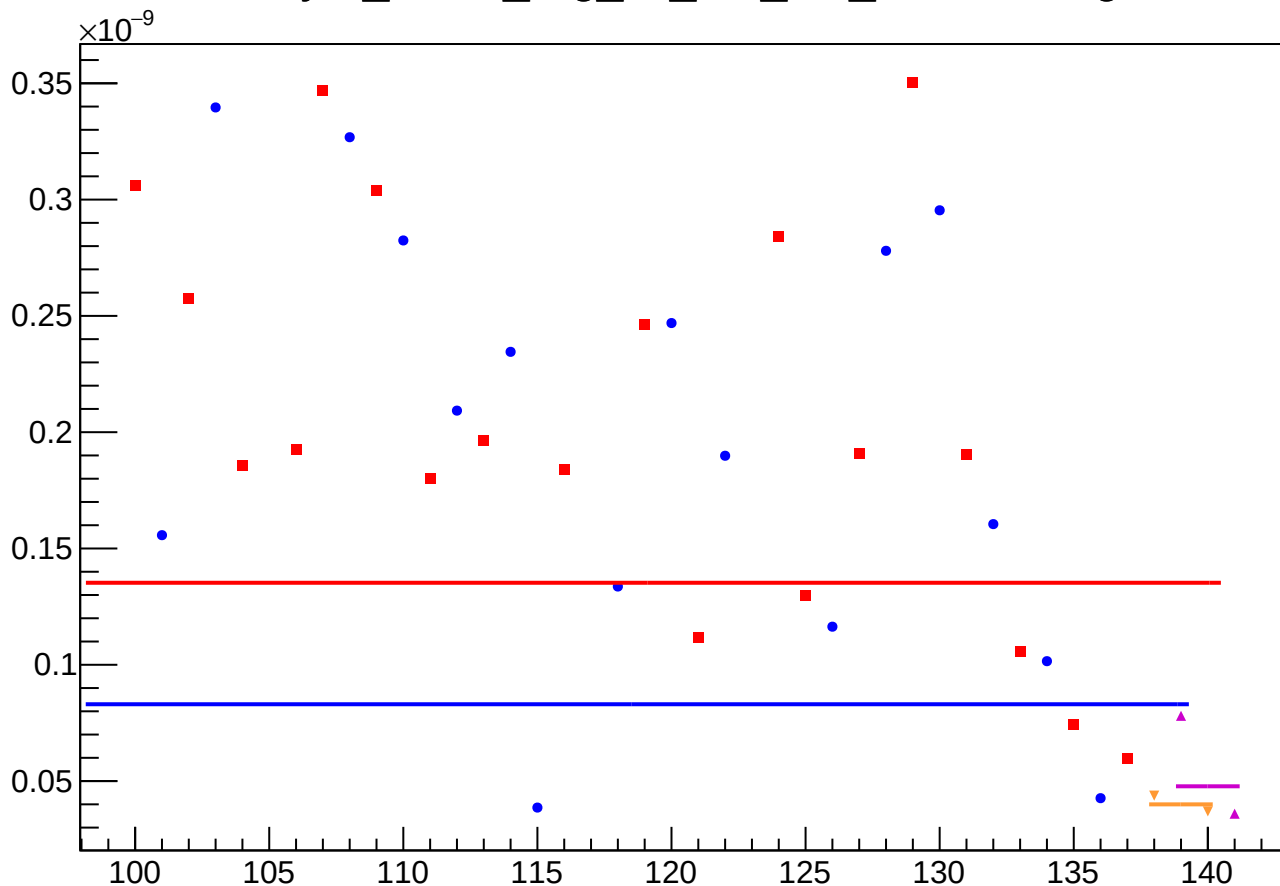
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 12.8/17

All: 0.000 ± 0.000 χ^2/NDF : 27.4/38

- sign 0.000 ± 0.000 χ^2/NDF : 13.6/20

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

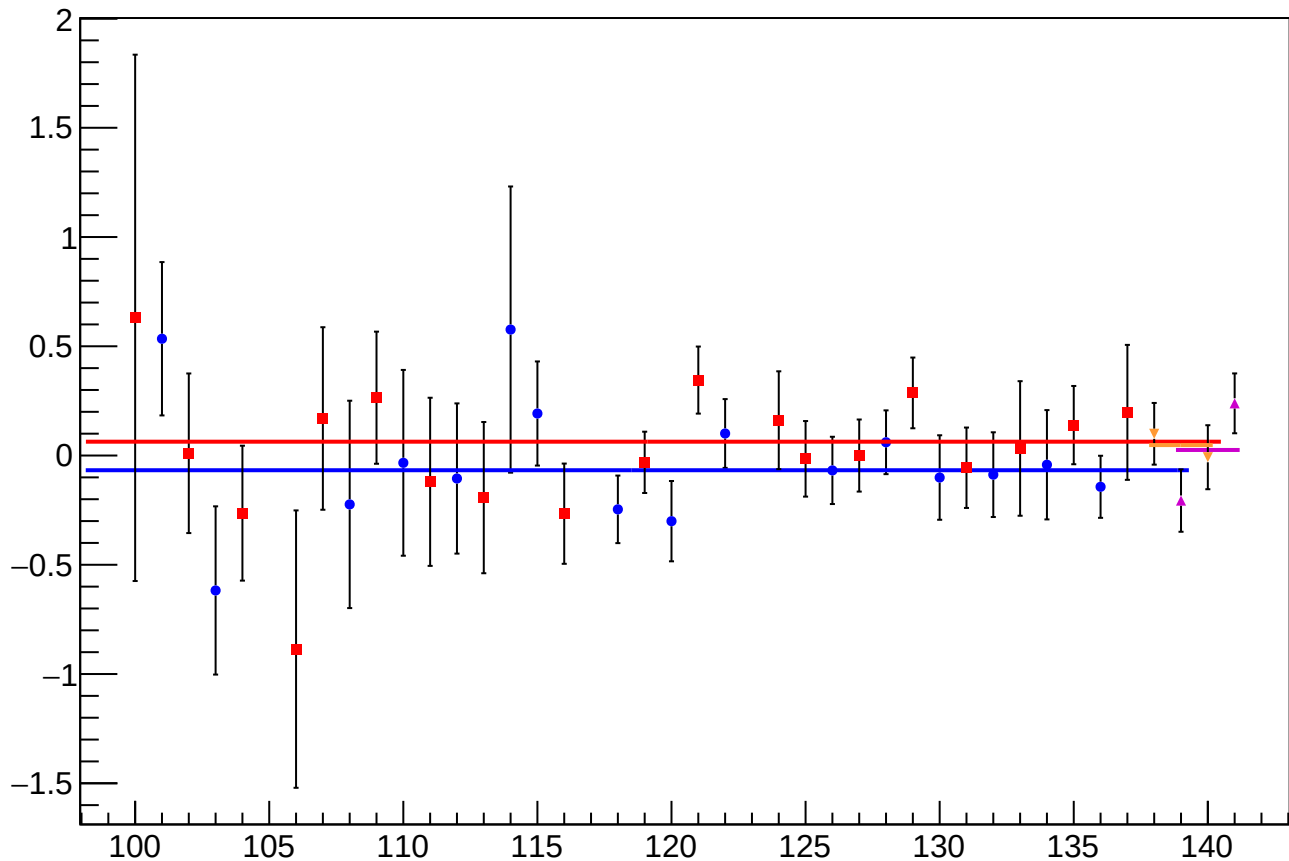
Left In: 0.000 ± 0.000 χ^2/NDF : 223047.2/1

+ sign 0.000 ± 0.000 χ^2/NDF : 3319491.2/17

All: 0.000 ± 0.000 χ^2/NDF : 6585183.8/38

- sign 0.000 ± 0.000 χ^2/NDF : 3097478.9/20

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.048 ± 0.102 χ^2/NDF : 0.3/1

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

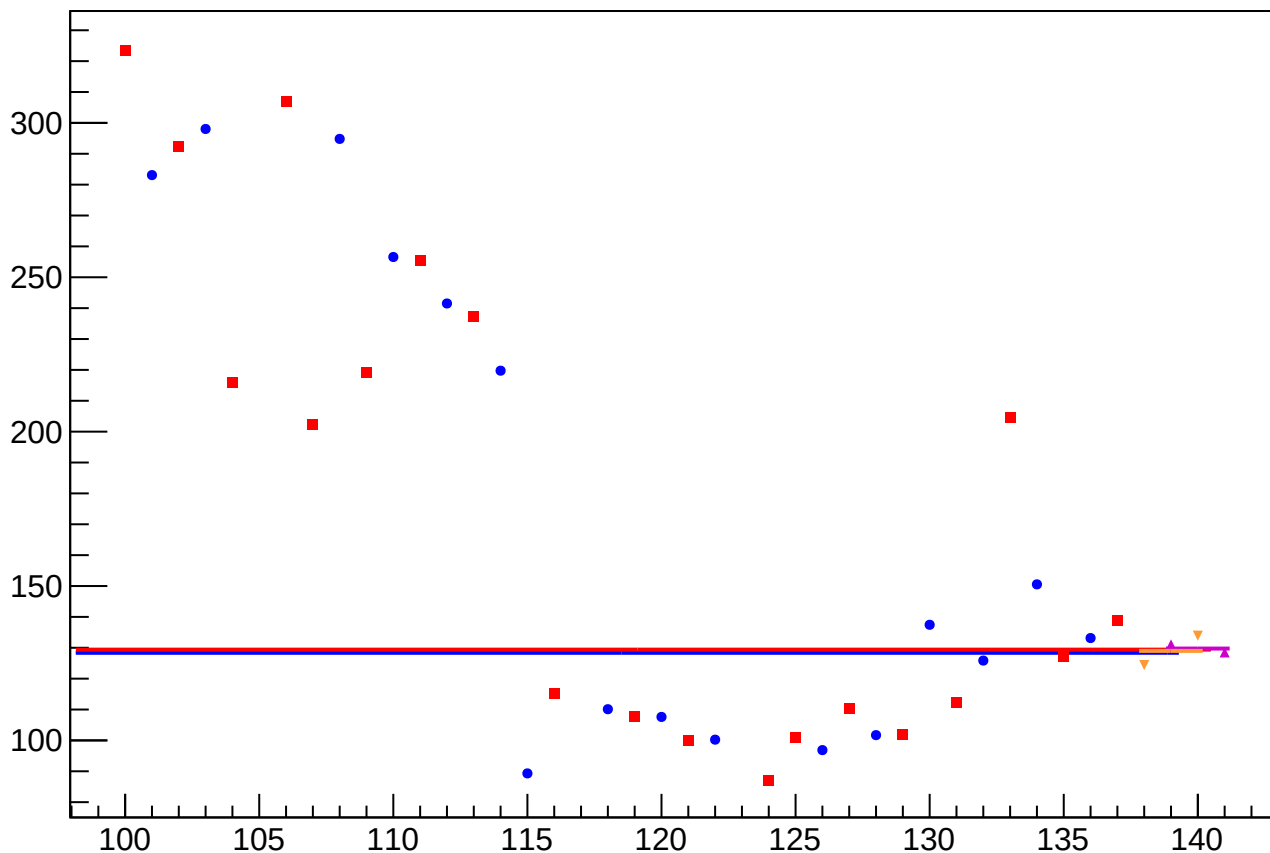
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: 0.006 ± 0.032 χ^2/NDF : 35.3/38

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

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

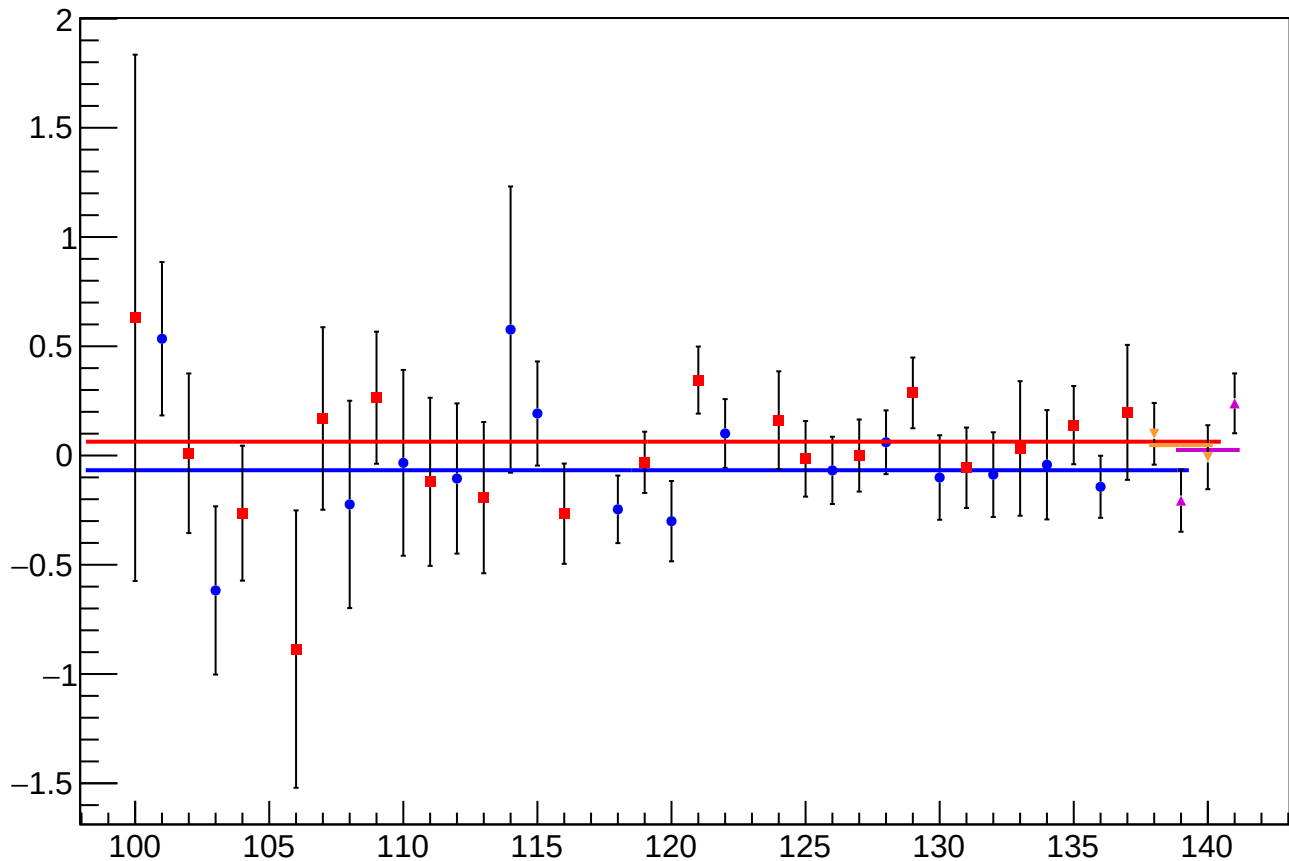
Left In: 129.742 $\pm$ 0.070 χ^2 /NDF:344.5/1

+ sign 128.506 $\pm$ 0.033 χ^2 /NDF: 1809511.4/17

All: 128.993 $\pm$ 0.023 χ^2 /NDF: 3698589.2/38

- sign 129.473 $\pm$ 0.032 χ^2 /NDF: 1888635.1/20

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

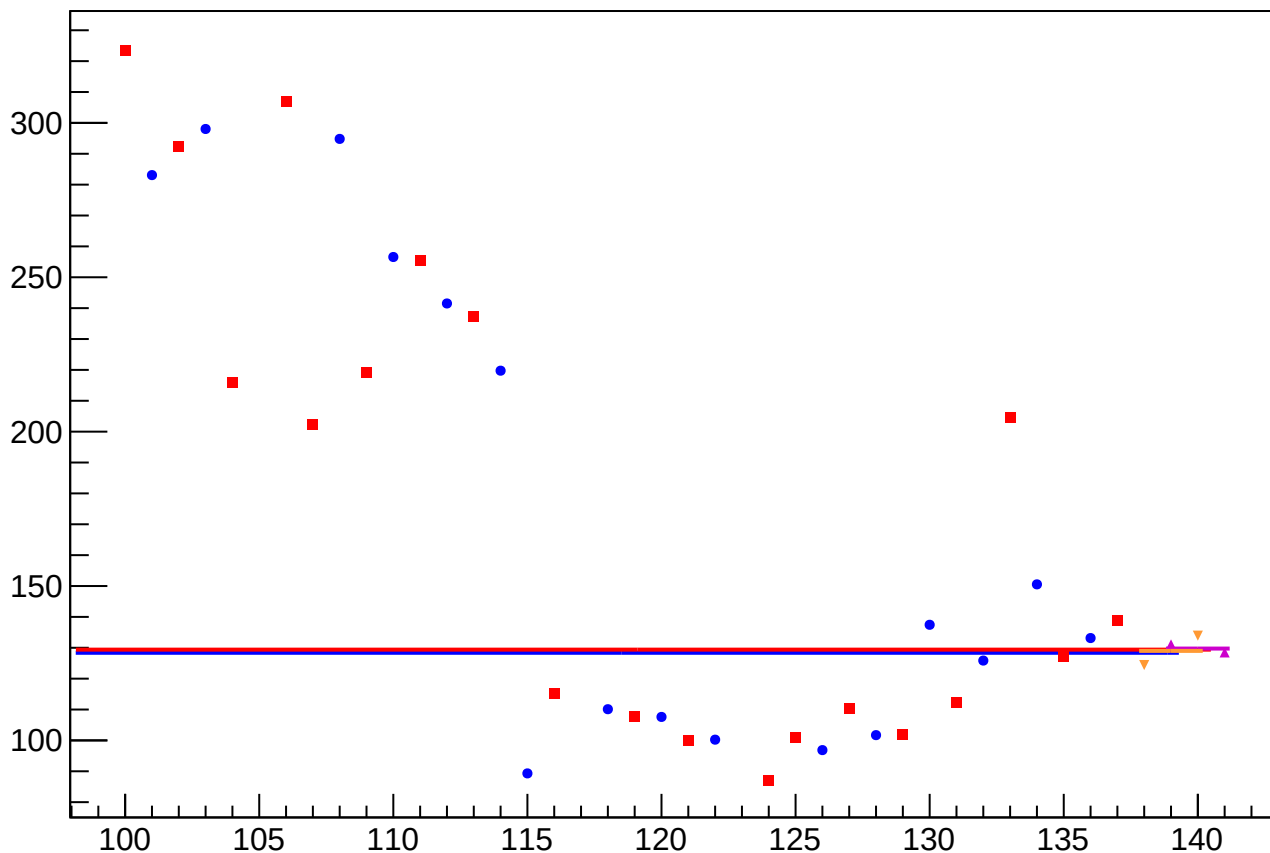
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: 0.006 ± 0.032 χ^2/NDF : 35.3/38

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 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

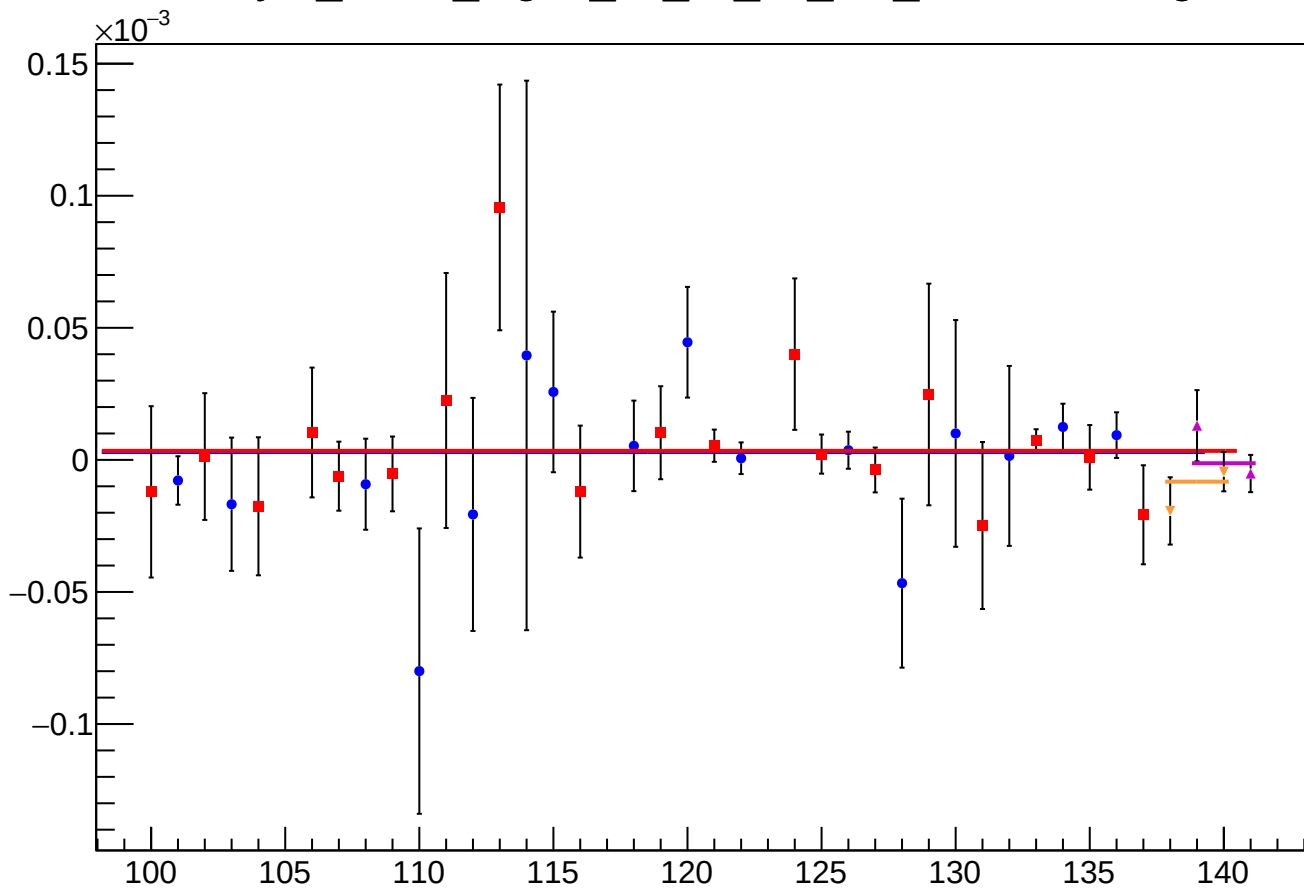
Left In: 129.742 $\pm$ 0.070 χ^2 /NDF: 344.5/1

+ sign 128.506 $\pm$ 0.033 χ^2 /NDF: 1809511.4/17

All: 128.993 $\pm$ 0.023 χ^2 /NDF: 3698589.2/38

- sign 129.473 $\pm$ 0.032 χ^2 /NDF: 1888635.1/20

asym_sam2_eigen_dit_vs_dit_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: 1.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/18

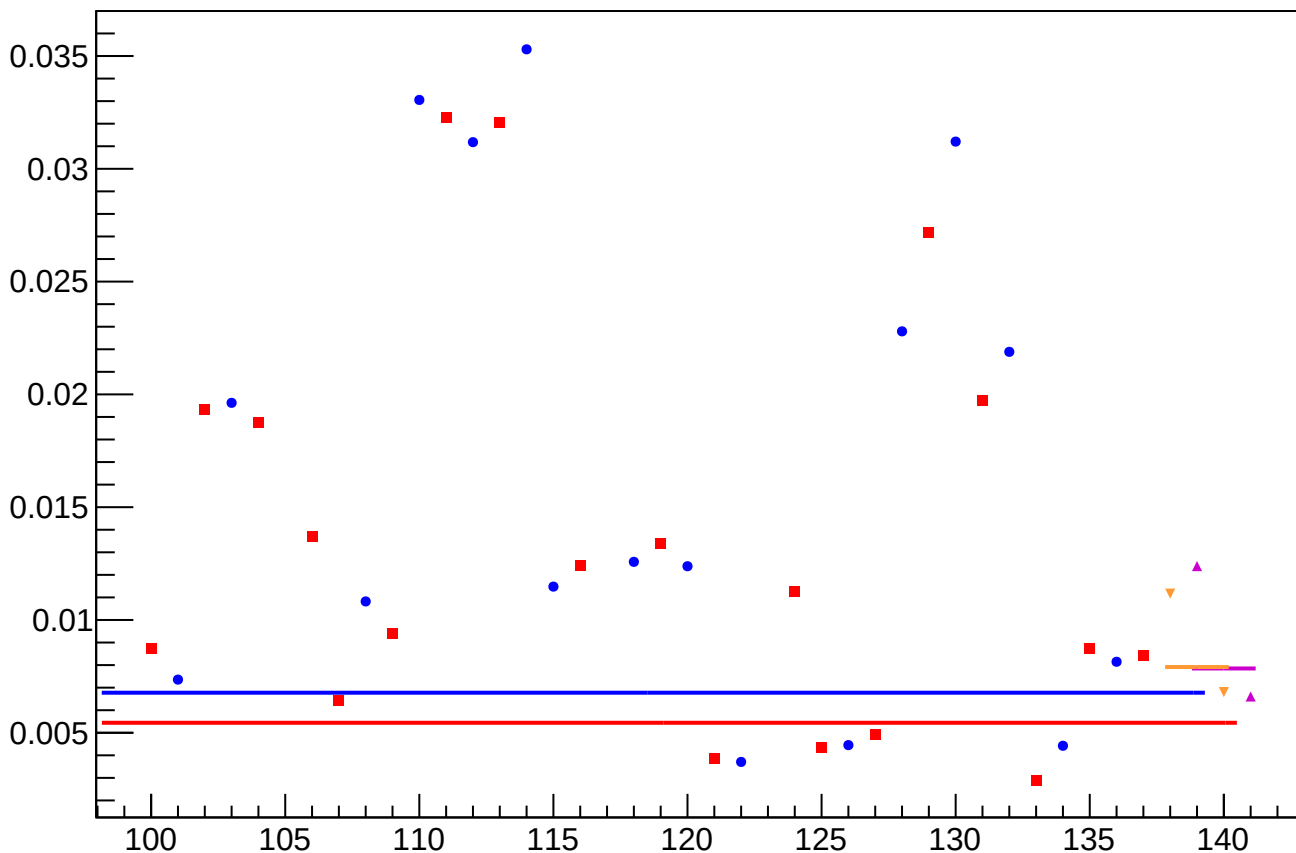
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/20

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

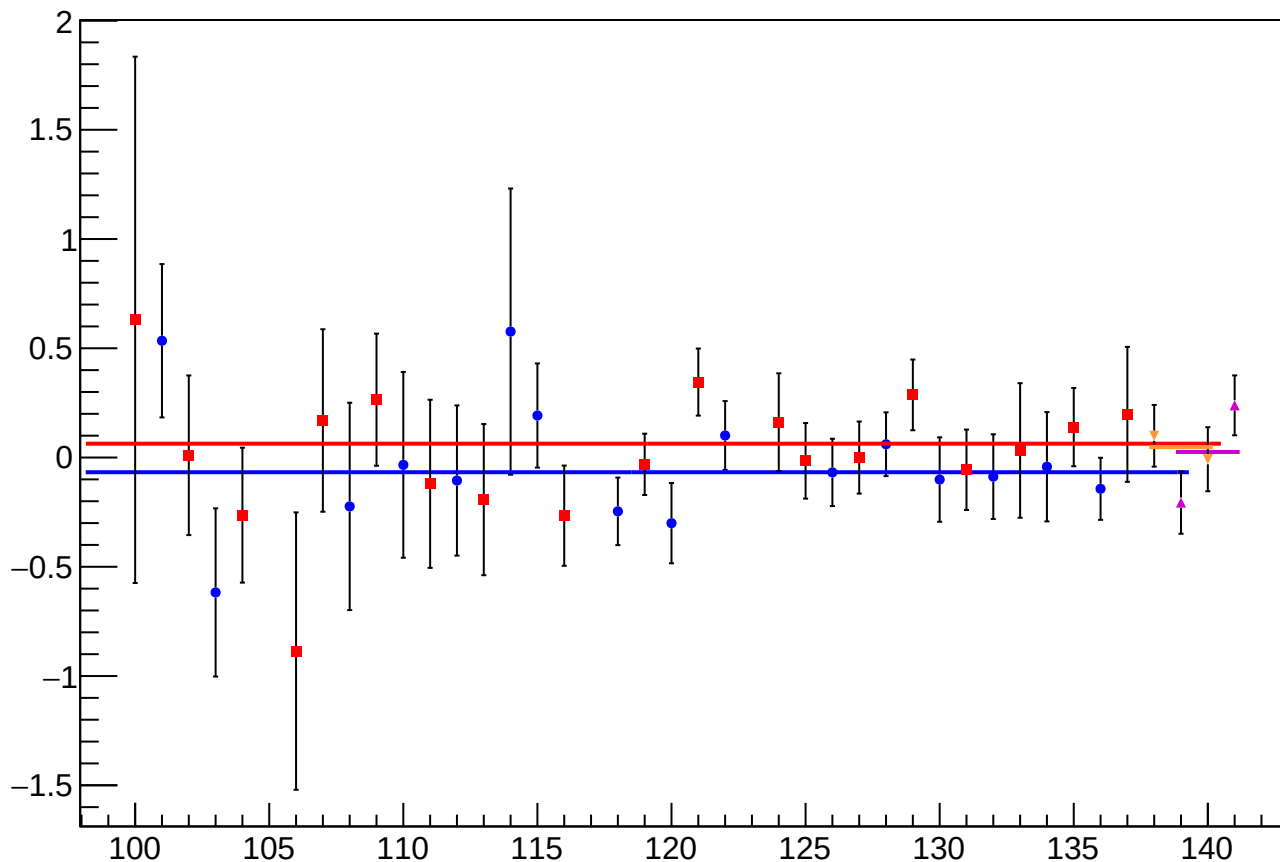
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:288973.5/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4998064.0/17

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 11322133.2/38

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6114664.8/20

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

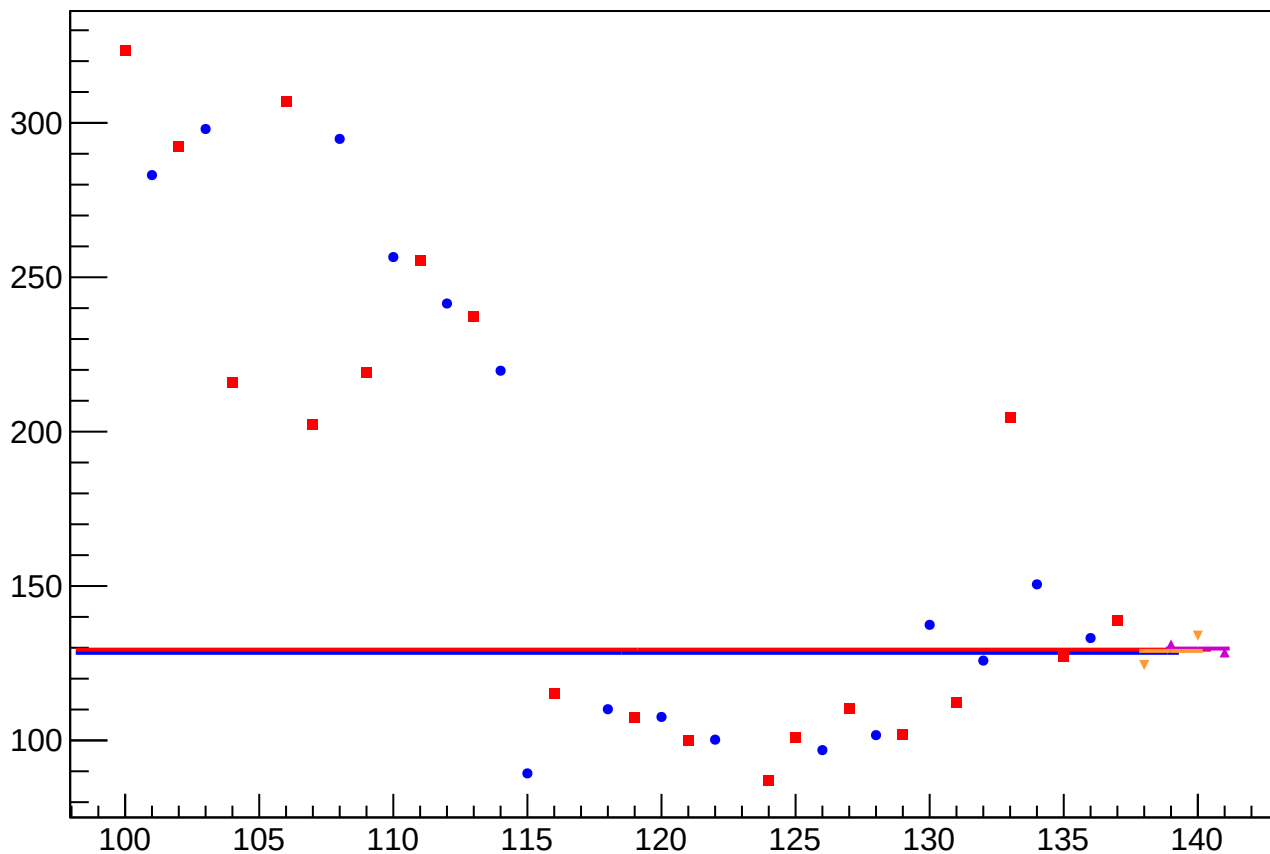
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: 0.006 ± 0.032 χ^2/NDF : 35.3/38

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377 $\pm$ 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

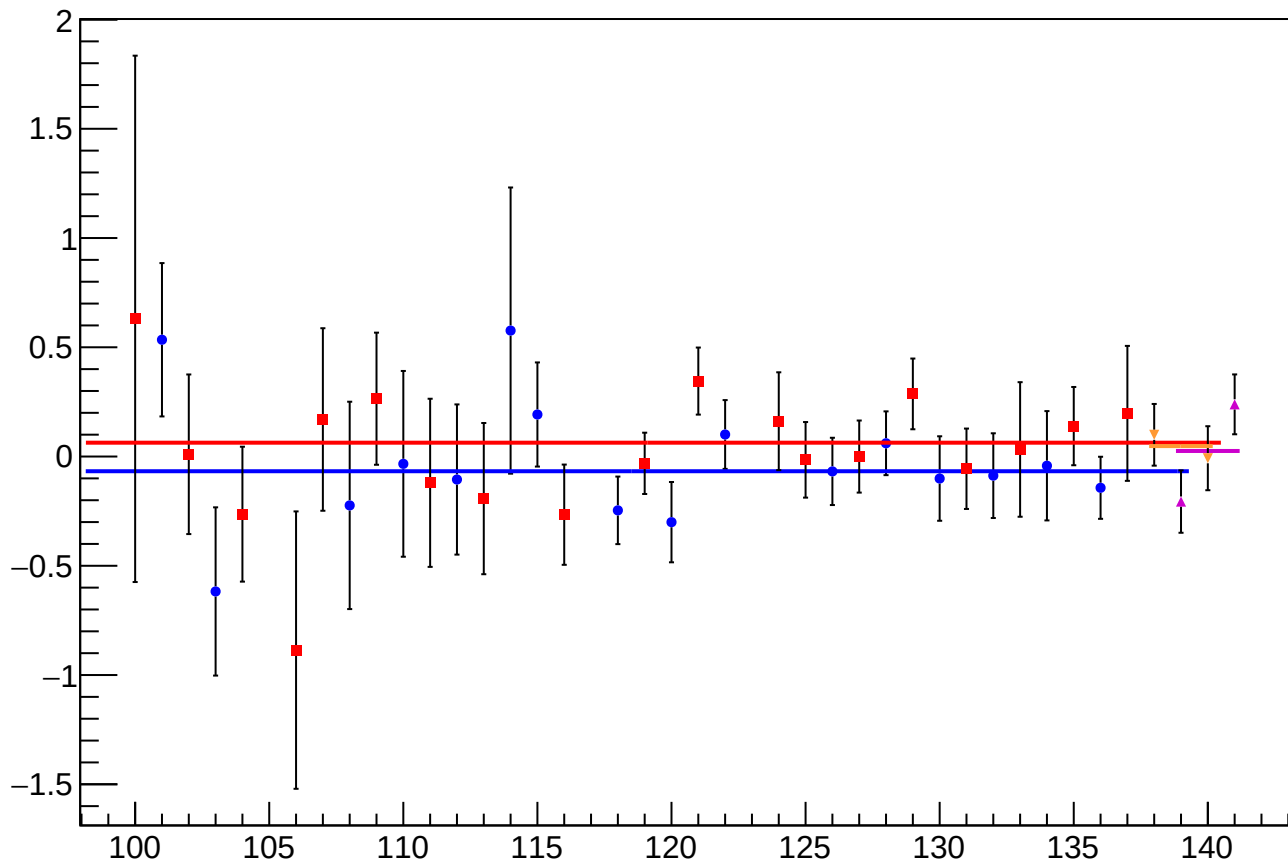
Left In: 129.743 $\pm$ 0.070 χ^2 /NDF: 344.0/1

+ sign 128.504 $\pm$ 0.033 χ^2 /NDF: 1809461.9/17

All: 128.991 $\pm$ 0.023 χ^2 /NDF: 3698540.7/38

- sign 129.470 $\pm$ 0.032 χ^2 /NDF: 1888636.1/20

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

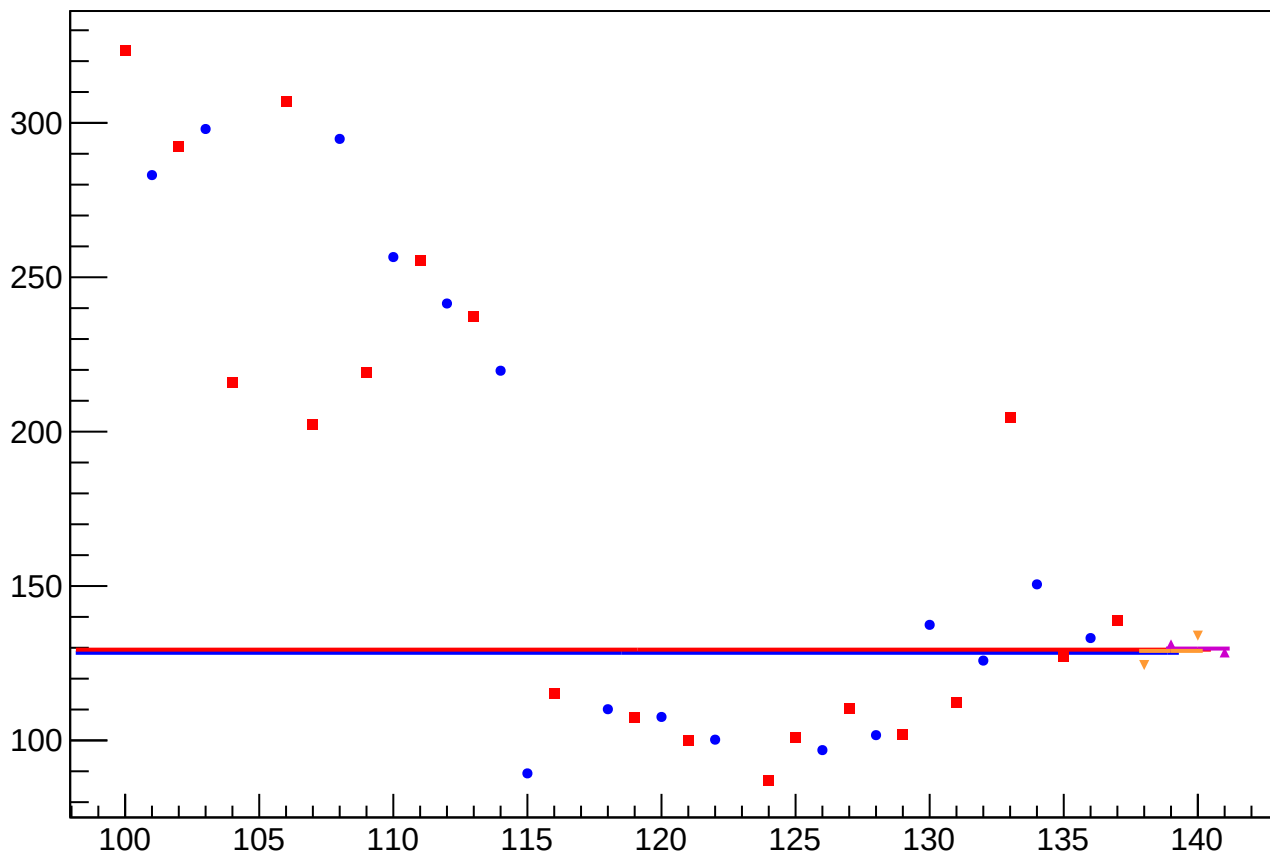
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.044 ± 0.046 χ^2/NDF : 13.8/17

All: 0.006 ± 0.032 χ^2/NDF : 35.3/38

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377 $\pm$ 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

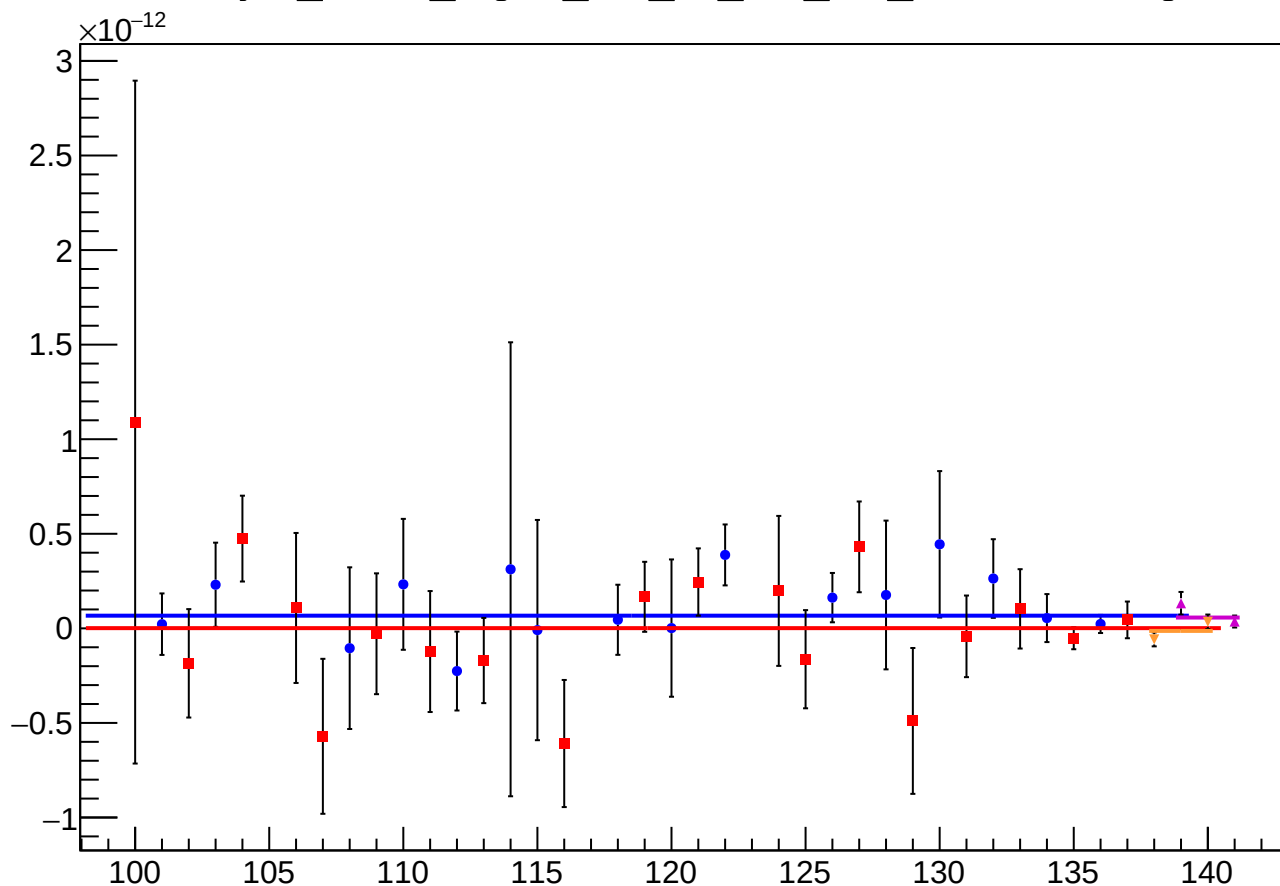
Left In: 129.743 $\pm$ 0.070 χ^2 /NDF: 344.0/1

+ sign 128.504 $\pm$ 0.033 χ^2 /NDF: 1809461.9/17

All: 128.991 $\pm$ 0.023 χ^2 /NDF: 3698540.7/38

- sign 129.470 $\pm$ 0.032 χ^2 /NDF: 1888636.1/20

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 $\chi^2/\text{NDF}: 20.7/18$

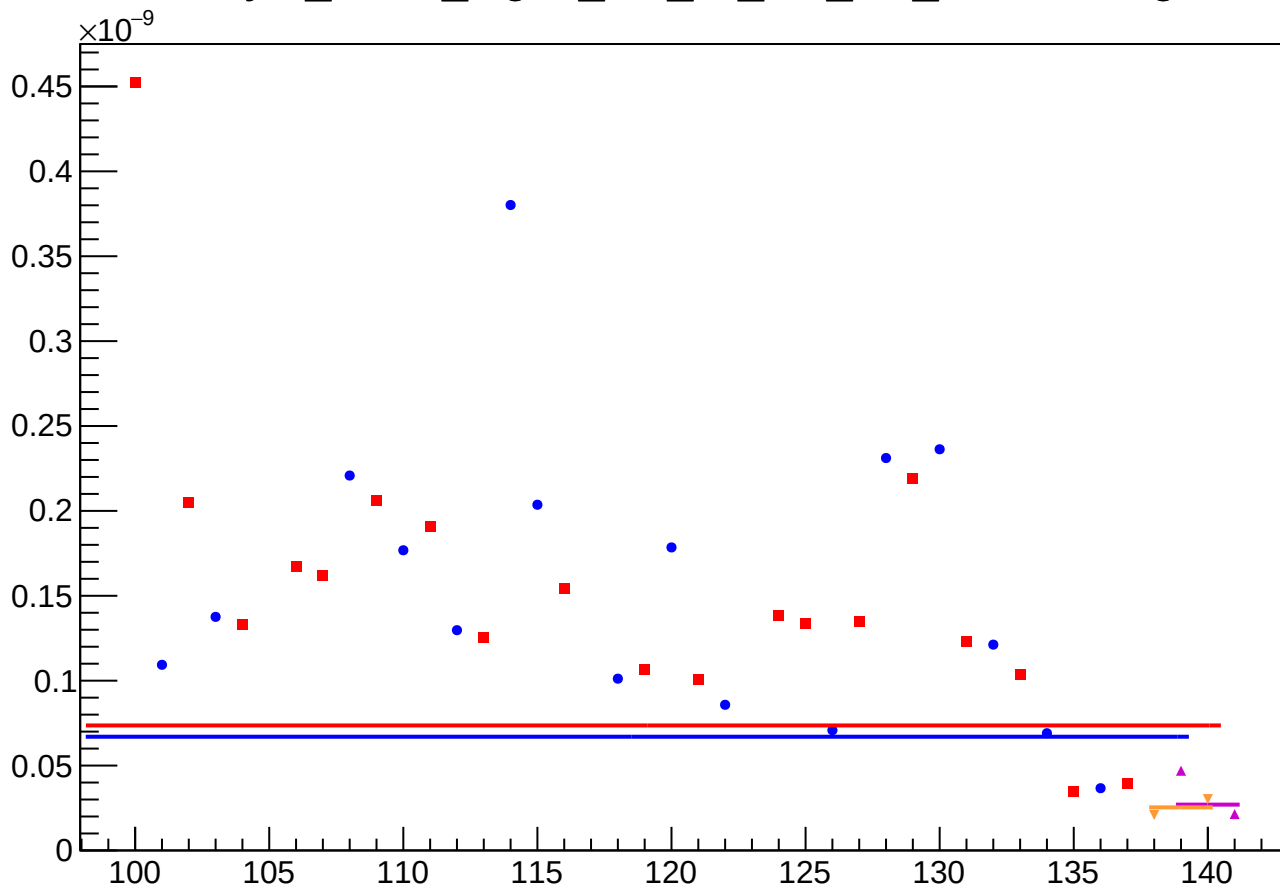
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2.0/1$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 16.6/17$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 41.2/38$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 24.0/20$

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

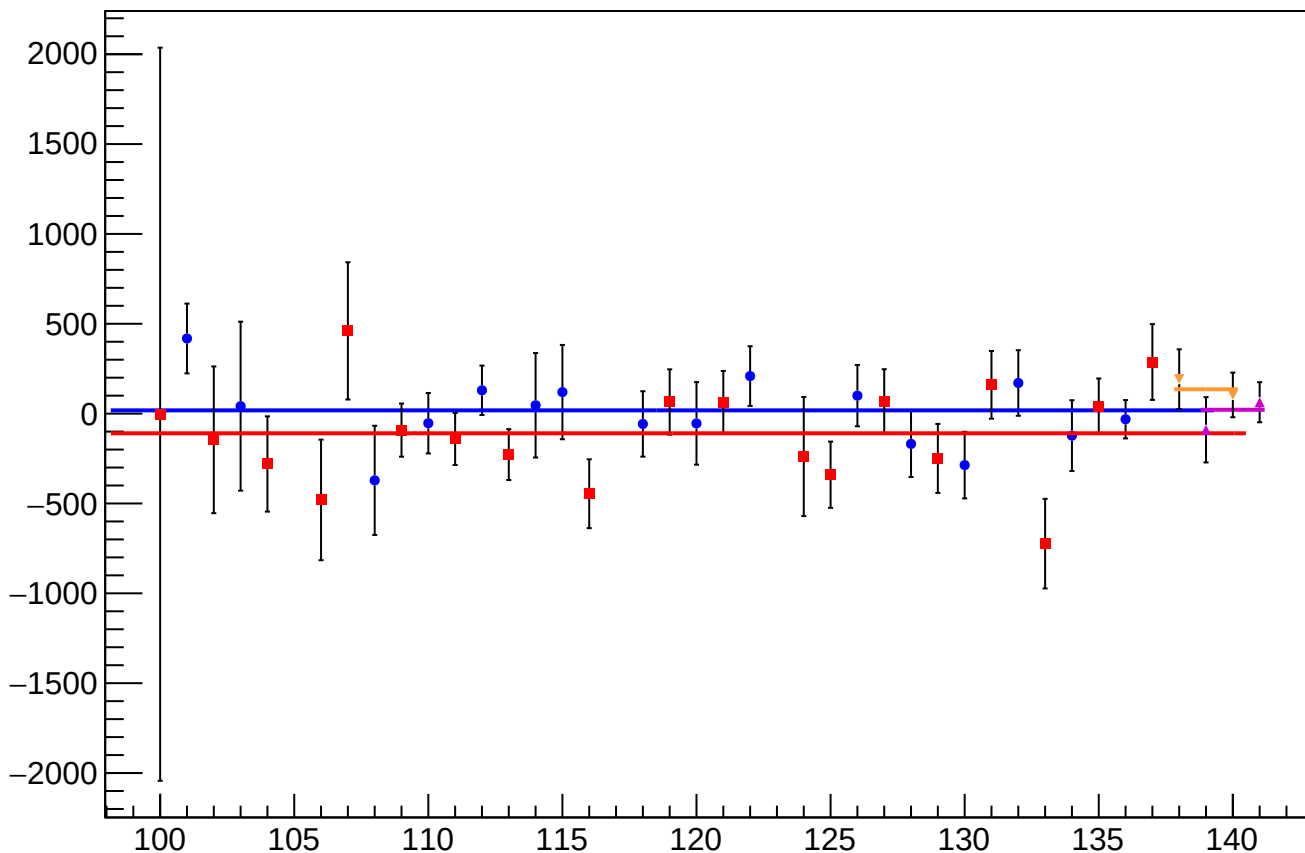
Left In: 0.000+/-0.000 χ^2/NDF : 284070.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 4966862.1/17

All: 0.000+/-0.000 χ^2/NDF : 10783004.6/38

- sign 0.000+/-0.000 χ^2/NDF : 5801841.6/20

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

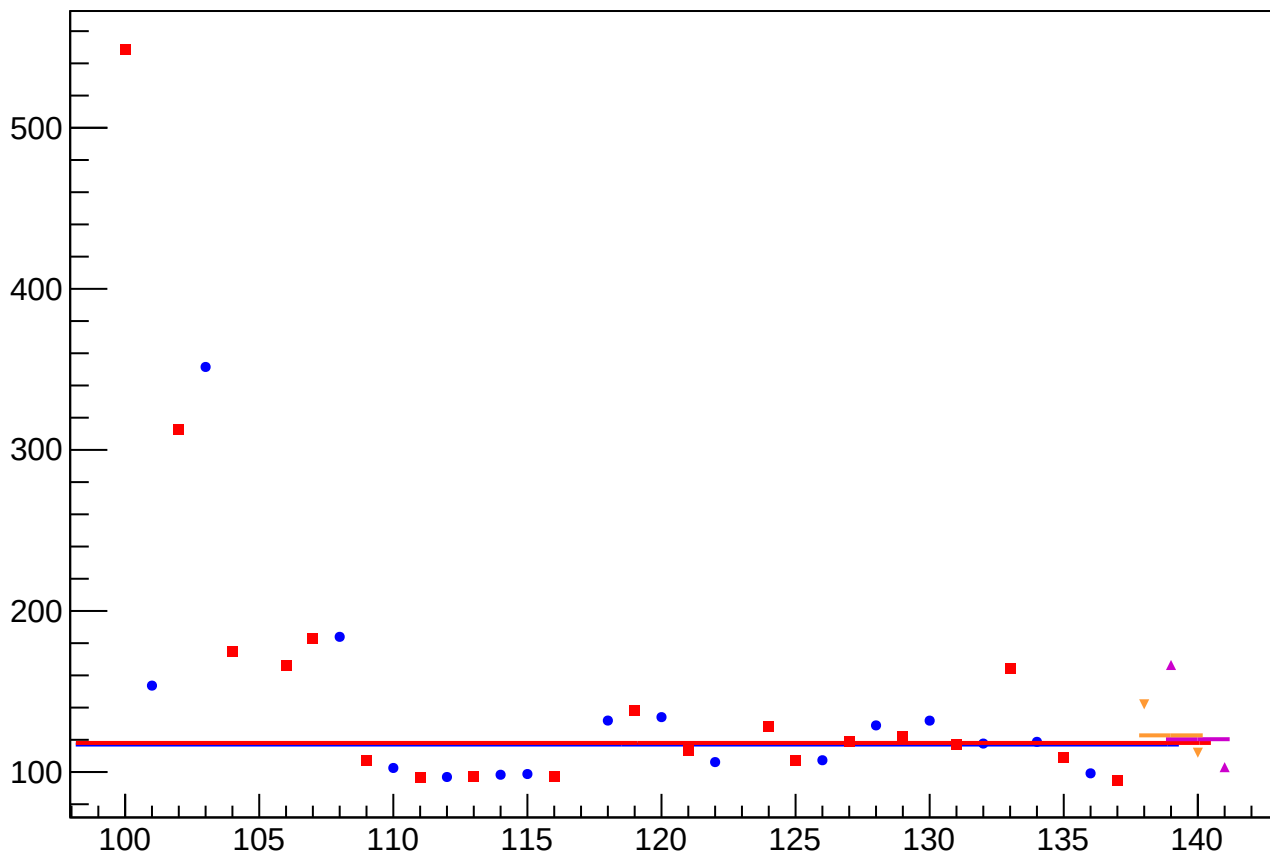
Left In: 21.460+/-95.059 χ^2/NDF : 0.5/1

+ sign 38.661+/-41.529 χ^2/NDF : 15.2/17

All: -23.419+/-29.277 χ^2/NDF : 47.2/38

- sign -84.751+/-41.279 χ^2/NDF : 27.5/20

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF : 858400.8/15

Left Out: 122.765+/-0.070 χ^2/NDF : 41947.5/1

Right Out: 118.057+/-0.032 χ^2/NDF : 990748.0/18

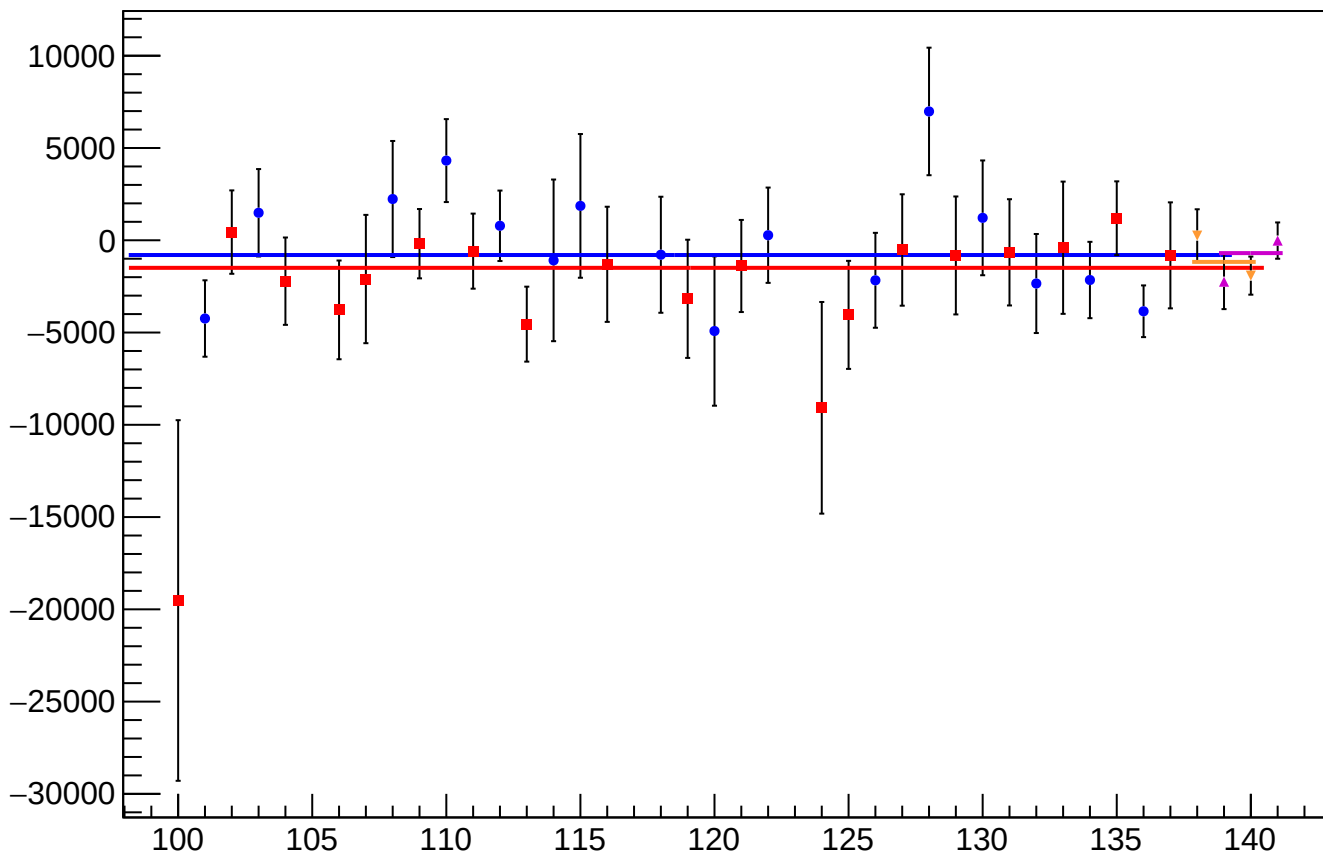
Left In: 120.376+/-0.067 χ^2/NDF : 177044.0/1

+ sign 118.057+/-0.029 χ^2/NDF : 905776.7/17

All: 118.277+/-0.021 χ^2/NDF : 2074645.8/38

- sign 118.495+/-0.029 χ^2/NDF : 1168757.2/20

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF : 23.4/15

Left Out: -1172.283+/-836.659 χ^2/NDF : 1.5/1

Right Out: -1493.897+/-613.097 χ^2/NDF : 12.9/18

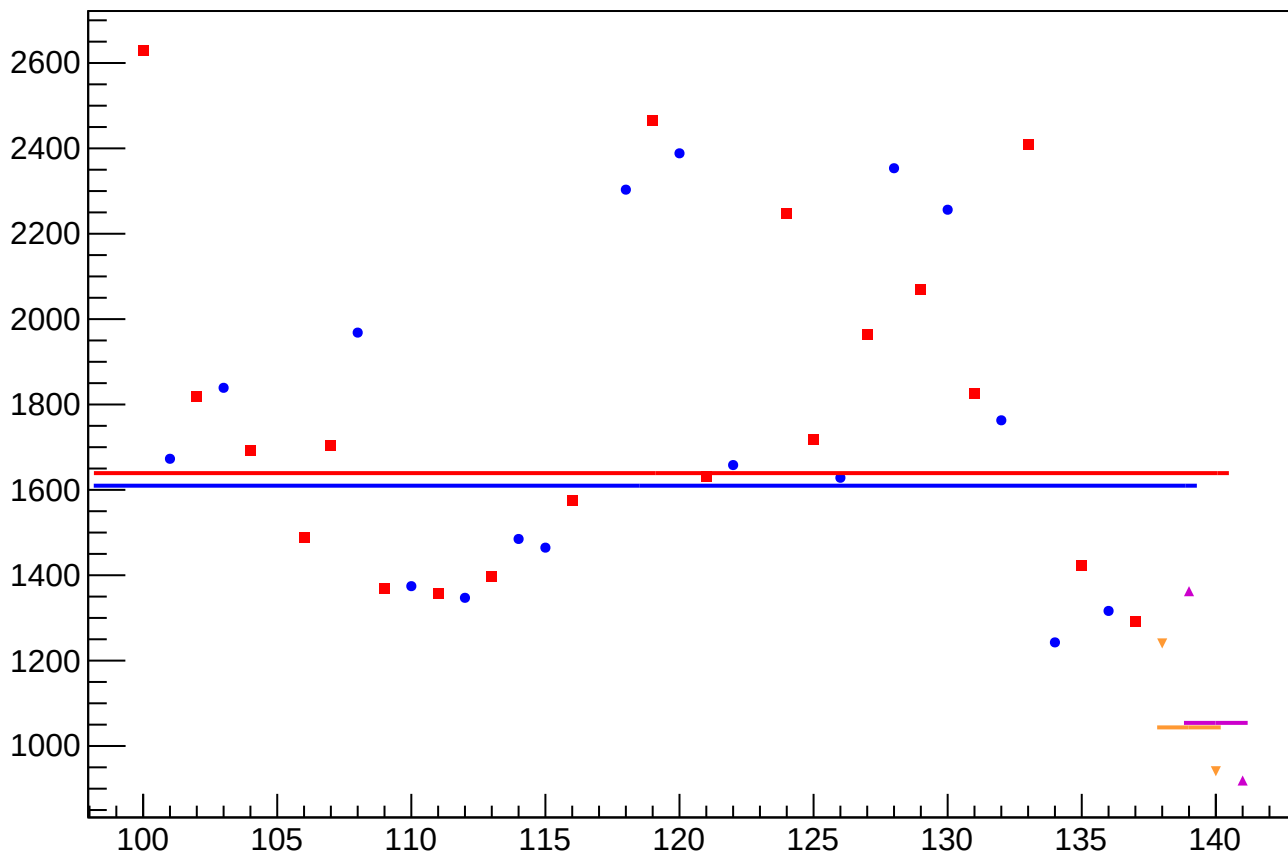
Left In: -695.237+/-820.342 χ^2/NDF : 1.6/1

+ sign -930.307+/-496.057 χ^2/NDF : 25.1/17

All: -1070.383+/-348.998 χ^2/NDF : 40.3/38

- sign -1207.672+/-491.097 χ^2/NDF : 15.1/20

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

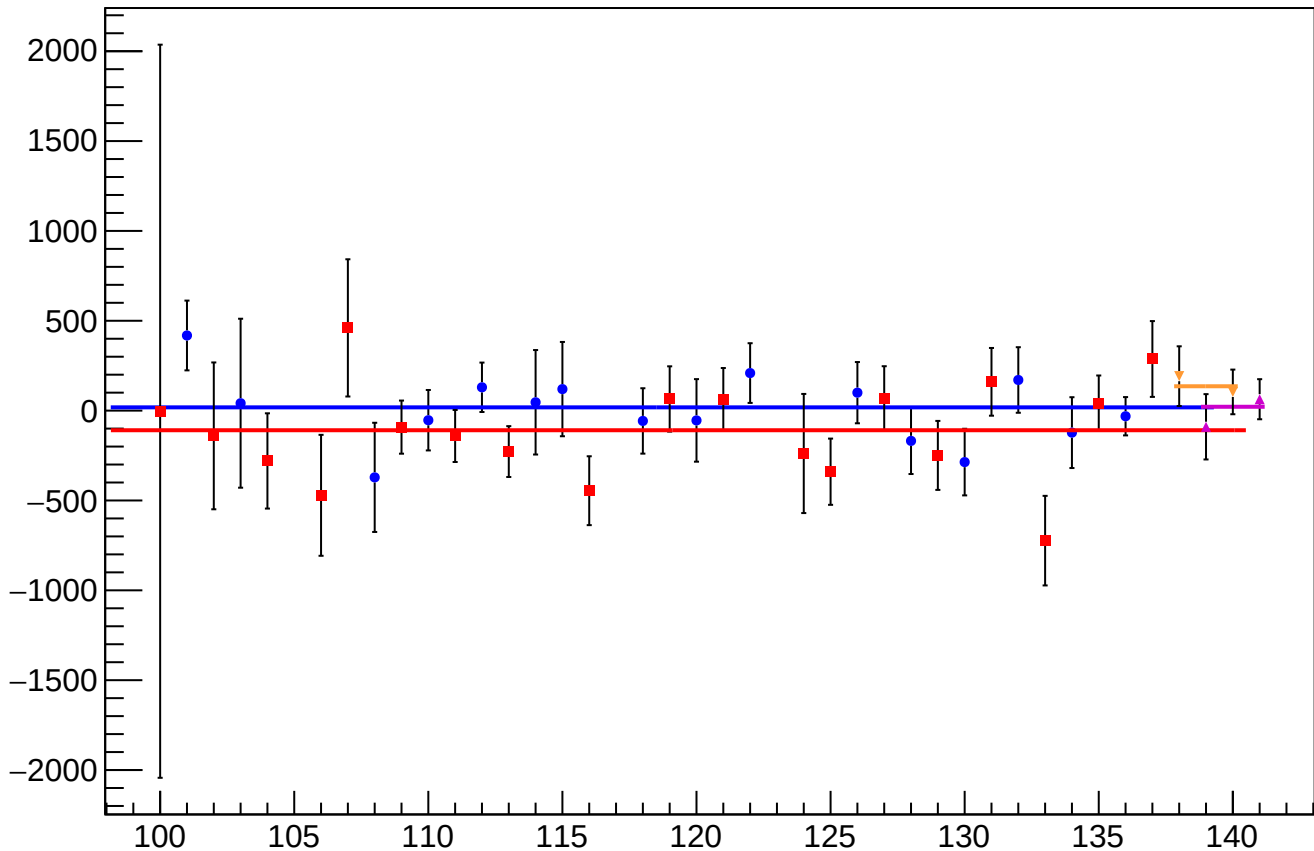
Left In: 1054.137 $\pm$ 0.580 χ^2 /NDF: 123766.5/1

+ sign 1410.735 $\pm$ 0.351 χ^2 /NDF: 1270889.1/17

All: 1420.238 $\pm$ 0.247 χ^2 /NDF: 2569094.3/38

- sign 1429.551 $\pm$ 0.347 χ^2 /NDF: 1296752.1/20

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

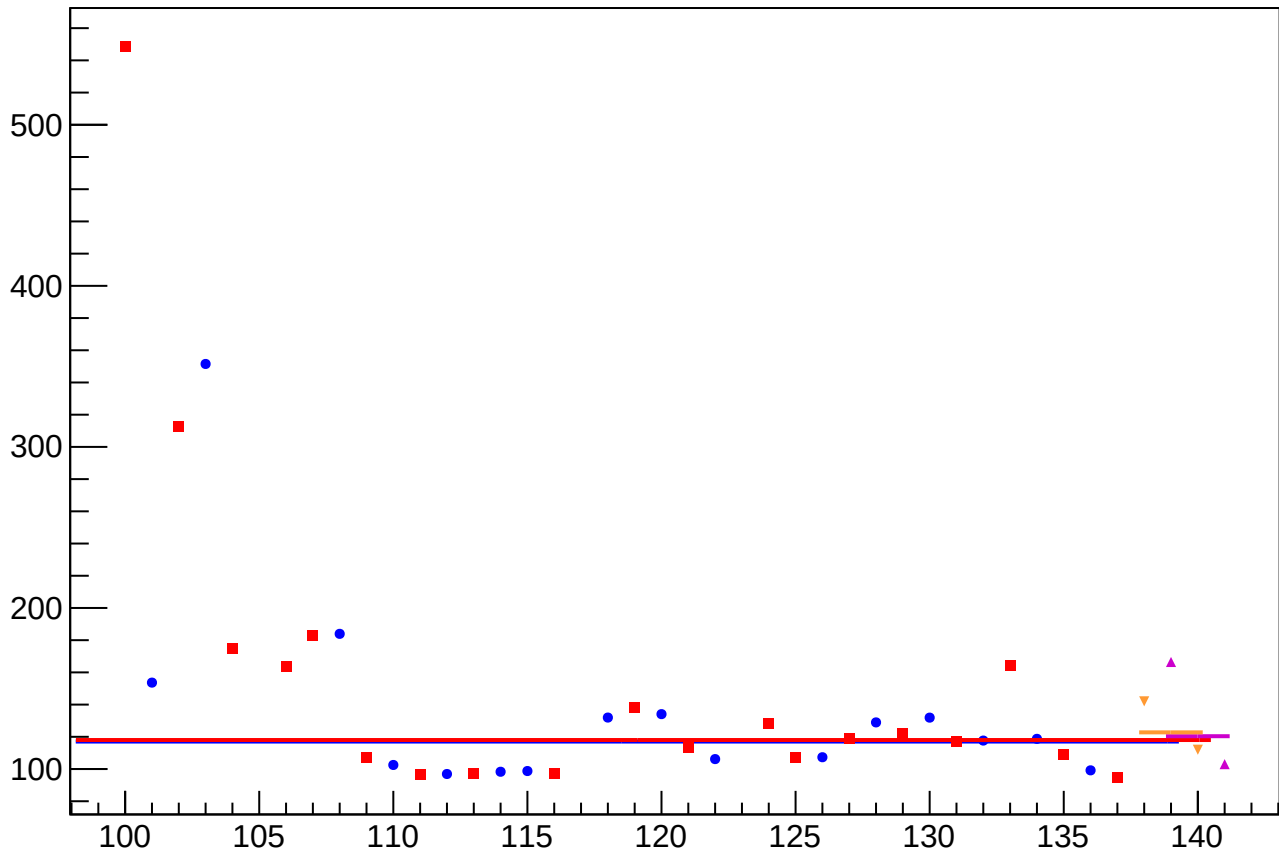
Left In: 21.461 $\pm$ 95.059 χ^2 /NDF: 0.5/1

+ sign 38.653 $\pm$ 41.529 χ^2 /NDF: 15.2/17

All: -23.303 $\pm$ 29.277 χ^2 /NDF: 47.1/38

- sign -84.519 $\pm$ 41.281 χ^2 /NDF: 27.5/20

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

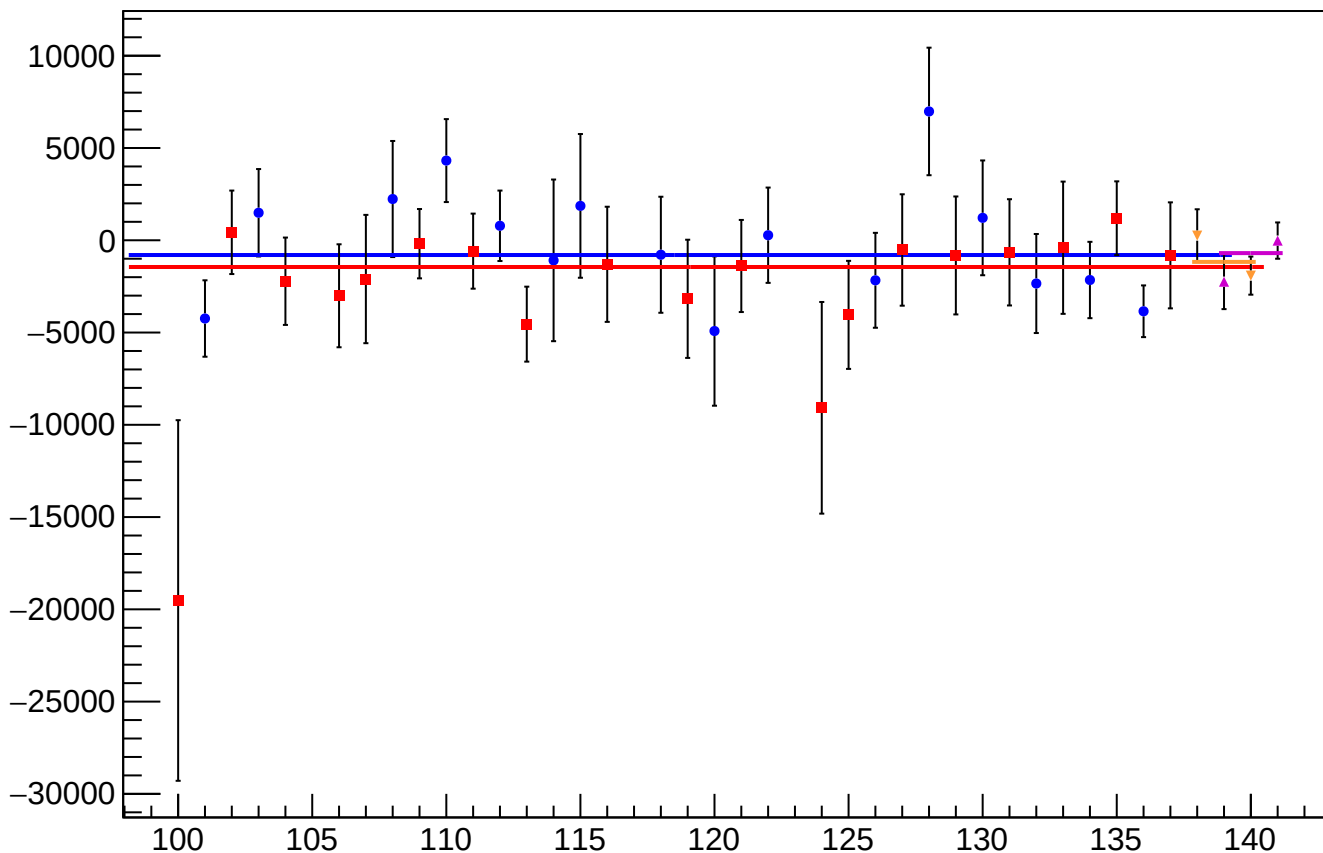
Left In: 120.376 $\pm$ 0.067 χ^2 /NDF: 177044.0/1

+ sign 118.057 $\pm$ 0.029 χ^2 /NDF: 905778.8/17

All: 118.256 $\pm$ 0.021 χ^2 /NDF: 2070476.9/38

- sign 118.453 $\pm$ 0.029 χ^2 /NDF: 1164606.6/20

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

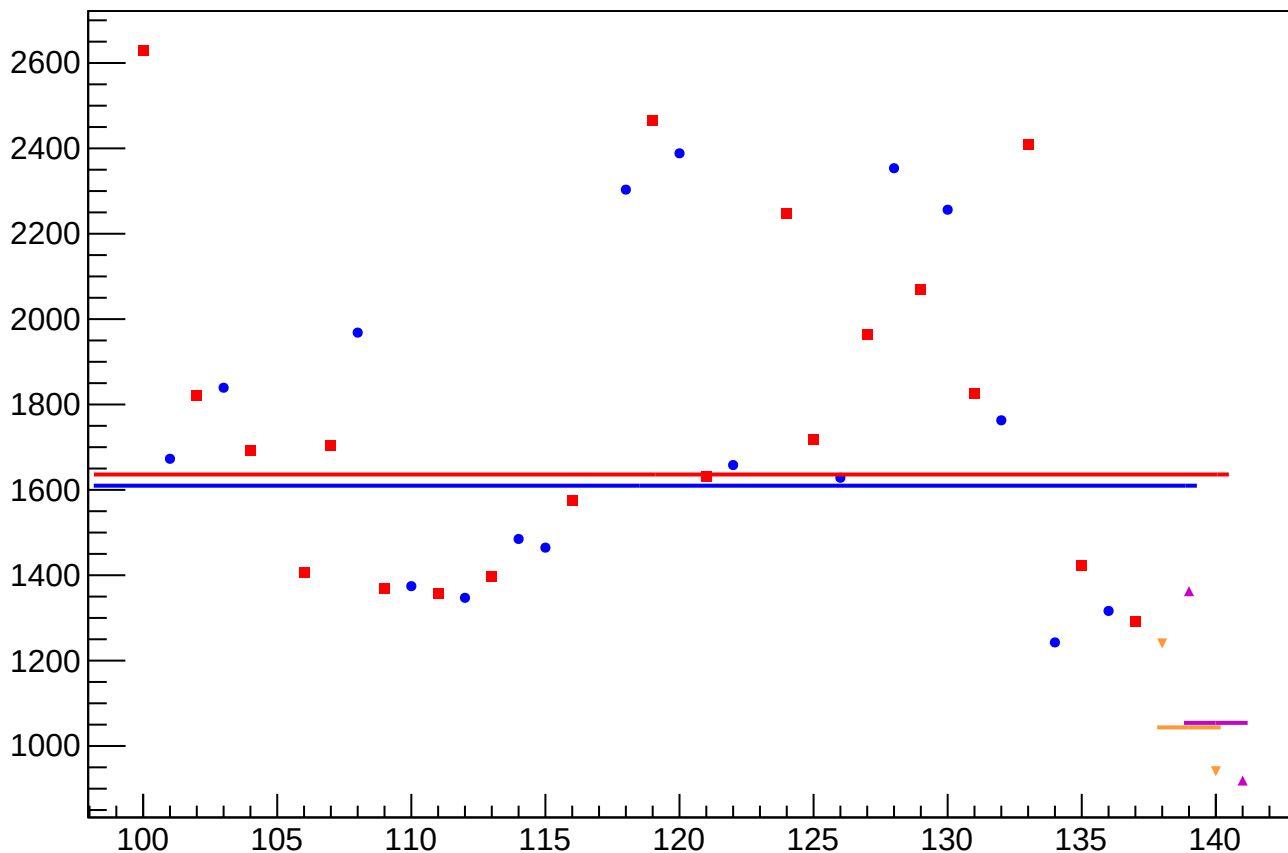
Left In: -695.246 ± 820.343 χ^2/NDF : 1.6/1

+ sign -930.289 ± 496.059 χ^2/NDF : 25.1/17

All: -1055.087 ± 349.247 χ^2/NDF : 39.8/38

- sign -1177.745 ± 491.789 χ^2/NDF : 14.6/20

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF : 57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

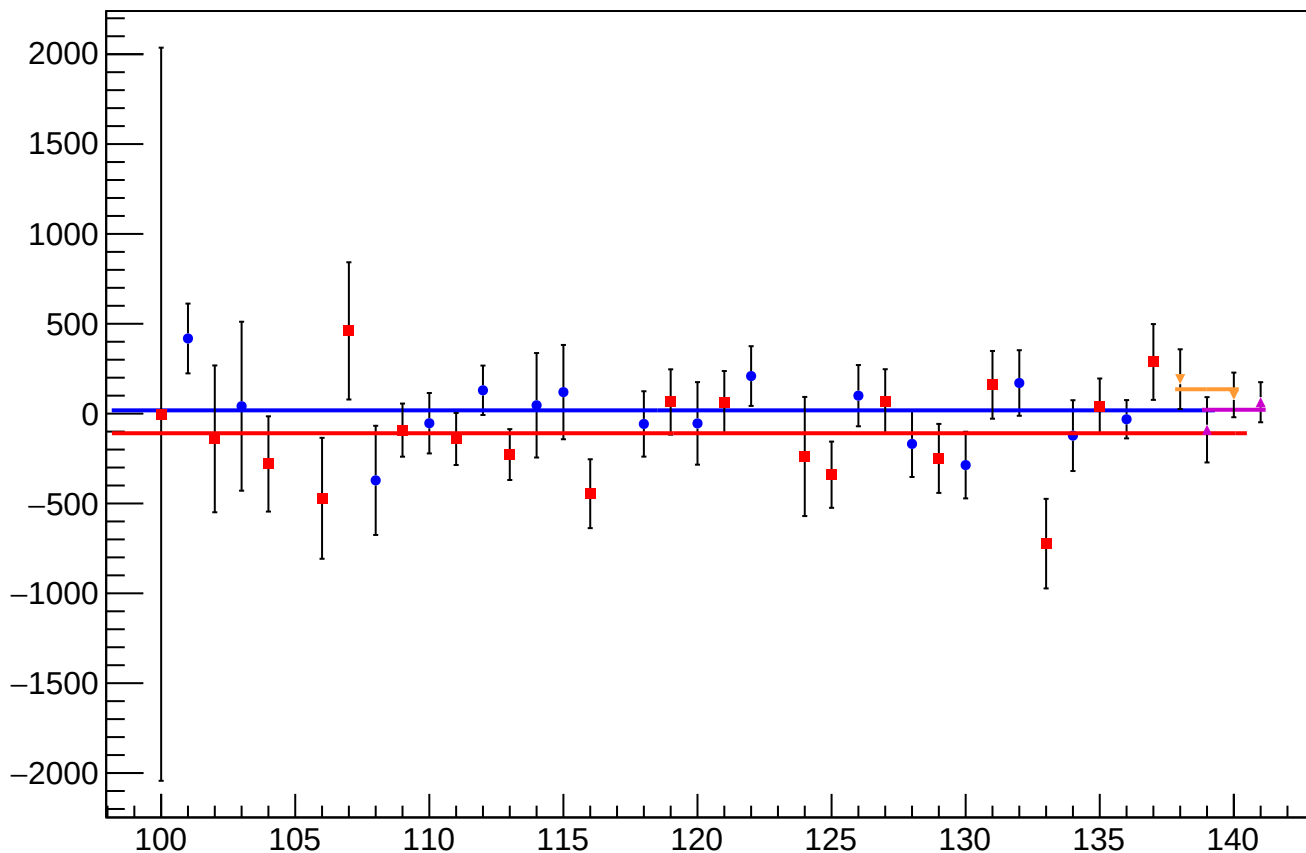
Left In: 1054.139+/-0.580 χ^2/NDF : 123764.9/1

+ sign 1410.739+/-0.351 χ^2/NDF : 1270936.5/17

All: 1418.897+/-0.247 χ^2/NDF : 2568257.2/38

- sign 1426.914+/-0.348 χ^2/NDF : 1296248.2/20

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

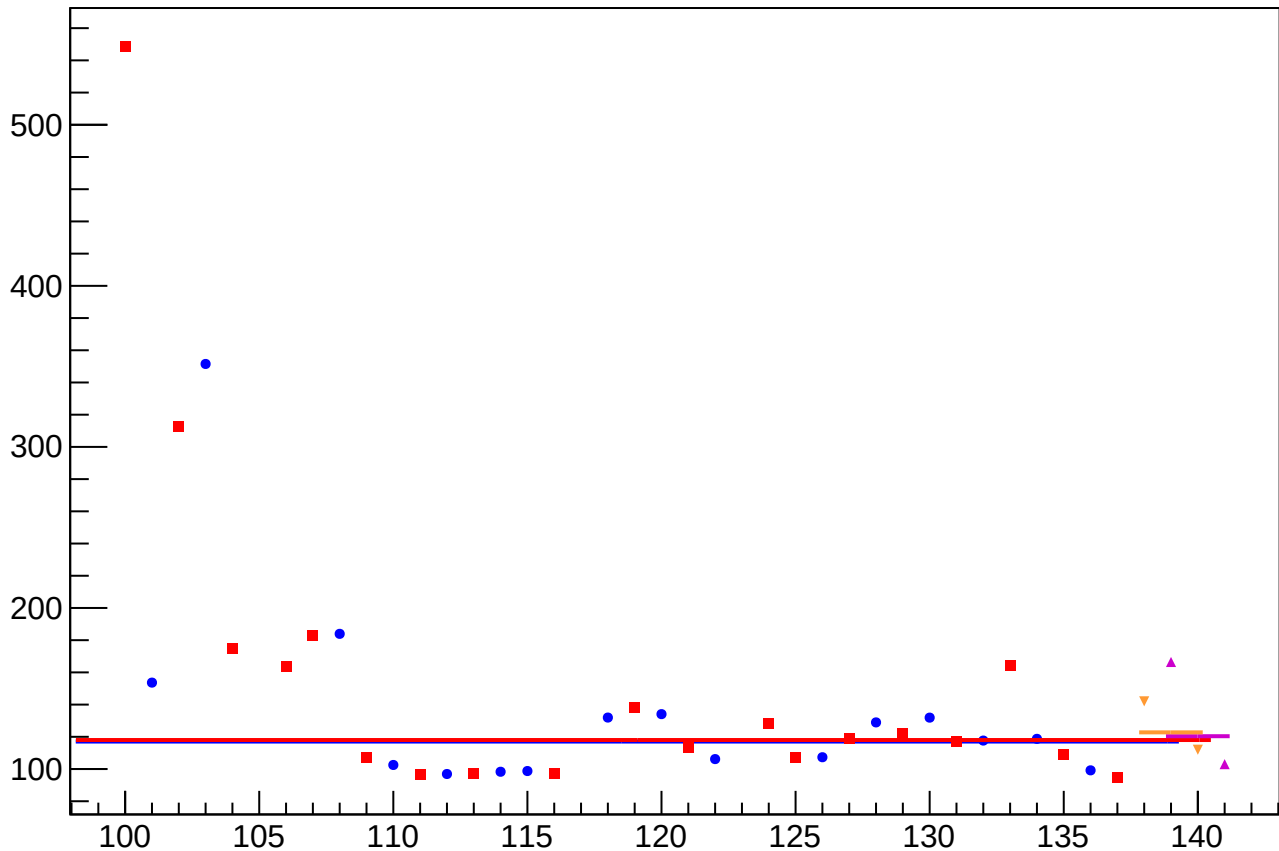
Left In: 21.461 $\pm$ 95.059 χ^2 /NDF: 0.5/1

+ sign 38.653 $\pm$ 41.529 χ^2 /NDF: 15.2/17

All: -23.303 $\pm$ 29.277 χ^2 /NDF: 47.1/38

- sign -84.519 $\pm$ 41.281 χ^2 /NDF: 27.5/20

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

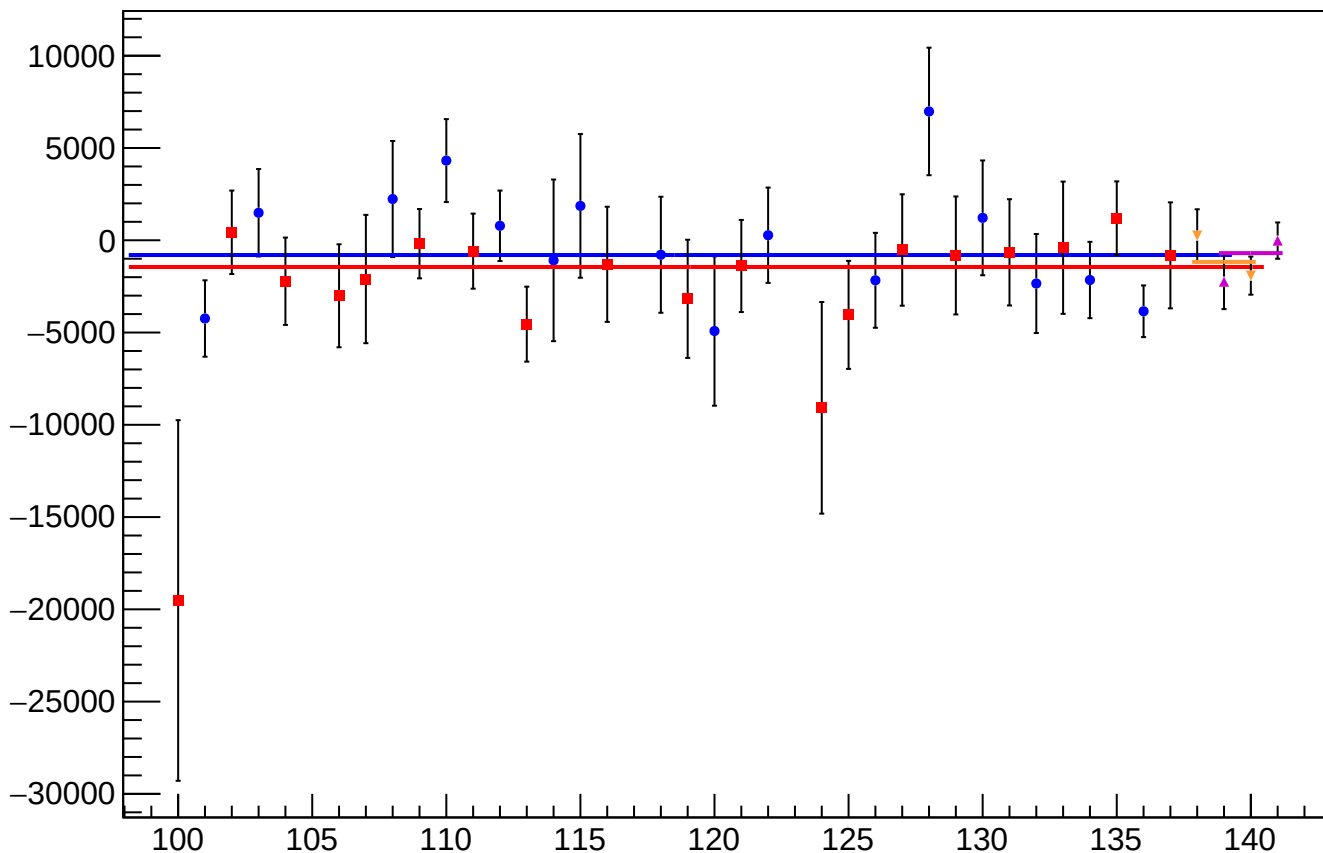
Left In: 120.376 $\pm$ 0.067 χ^2 /NDF: 177044.0/1

+ sign 118.057 $\pm$ 0.029 χ^2 /NDF: 905778.8/17

All: 118.256 $\pm$ 0.021 χ^2 /NDF: 2070476.9/38

- sign 118.453 $\pm$ 0.029 χ^2 /NDF: 1164606.6/20

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

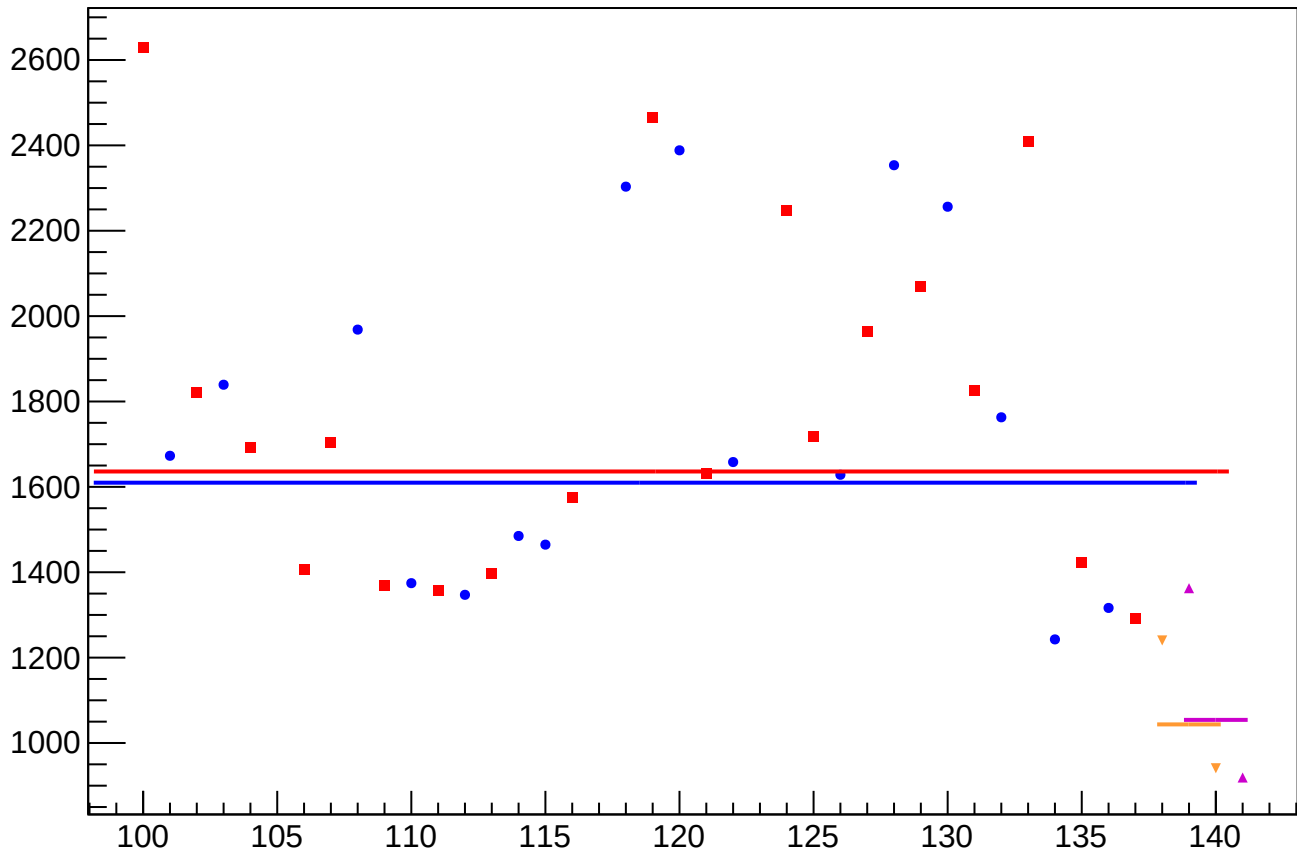
Left In: -695.246+/-820.343 χ^2/NDF : 1.6/1

+ sign -930.289+/-496.059 χ^2/NDF : 25.1/17

All: -1055.087+/-349.247 χ^2/NDF : 39.8/38

- sign -1177.745+/-491.789 χ^2/NDF : 14.6/20

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF : 57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

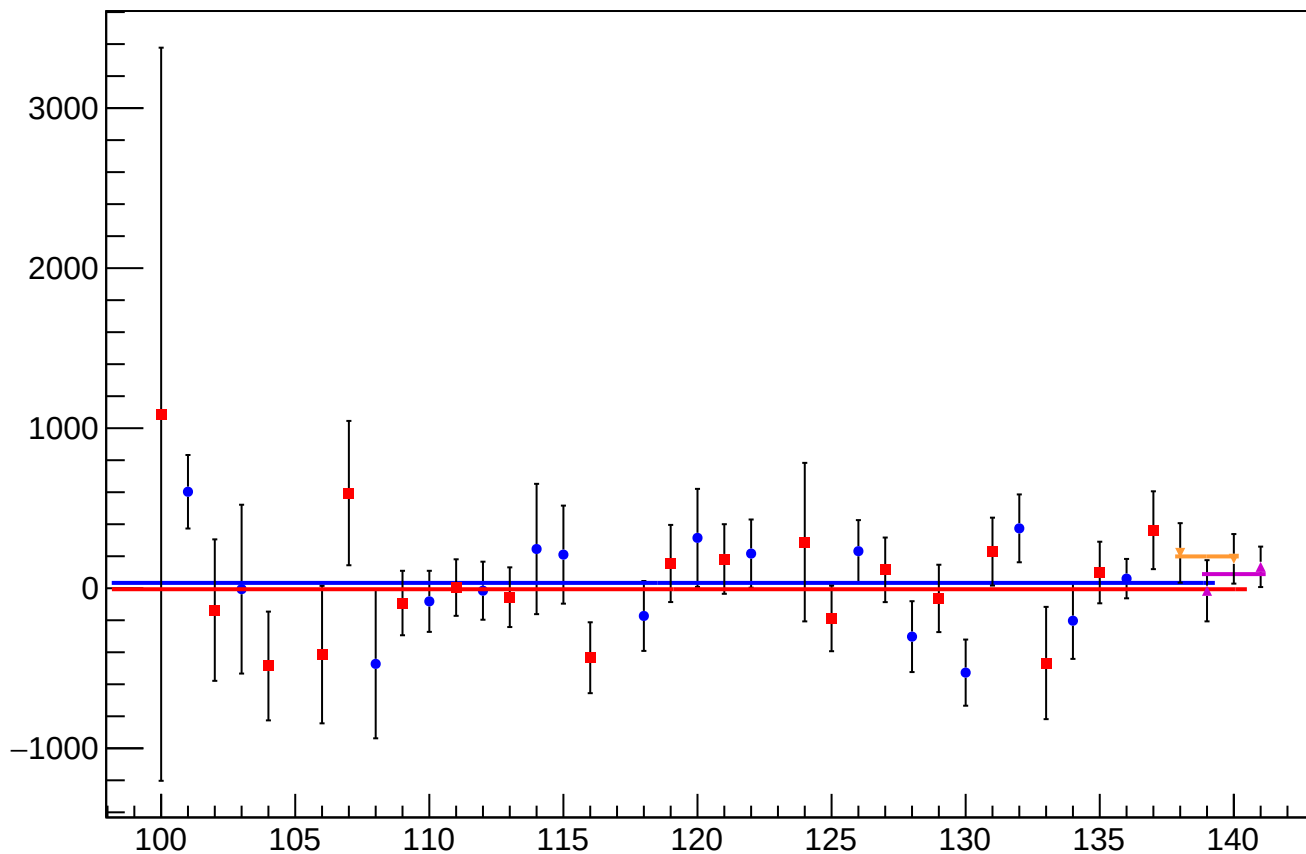
Left In: 1054.139+/-0.580 χ^2/NDF : 123764.9/1

+ sign 1410.739+/-0.351 χ^2/NDF : 1270936.5/17

All: 1418.897+/-0.247 χ^2/NDF : 2568257.2/38

- sign 1426.914+/-0.348 χ^2/NDF : 1296248.2/20

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF : 25.2/15

Left Out: 198.864+/-119.037 χ^2/NDF : 0.0/1

Right Out: -6.107+/-56.090 χ^2/NDF : 17.3/18

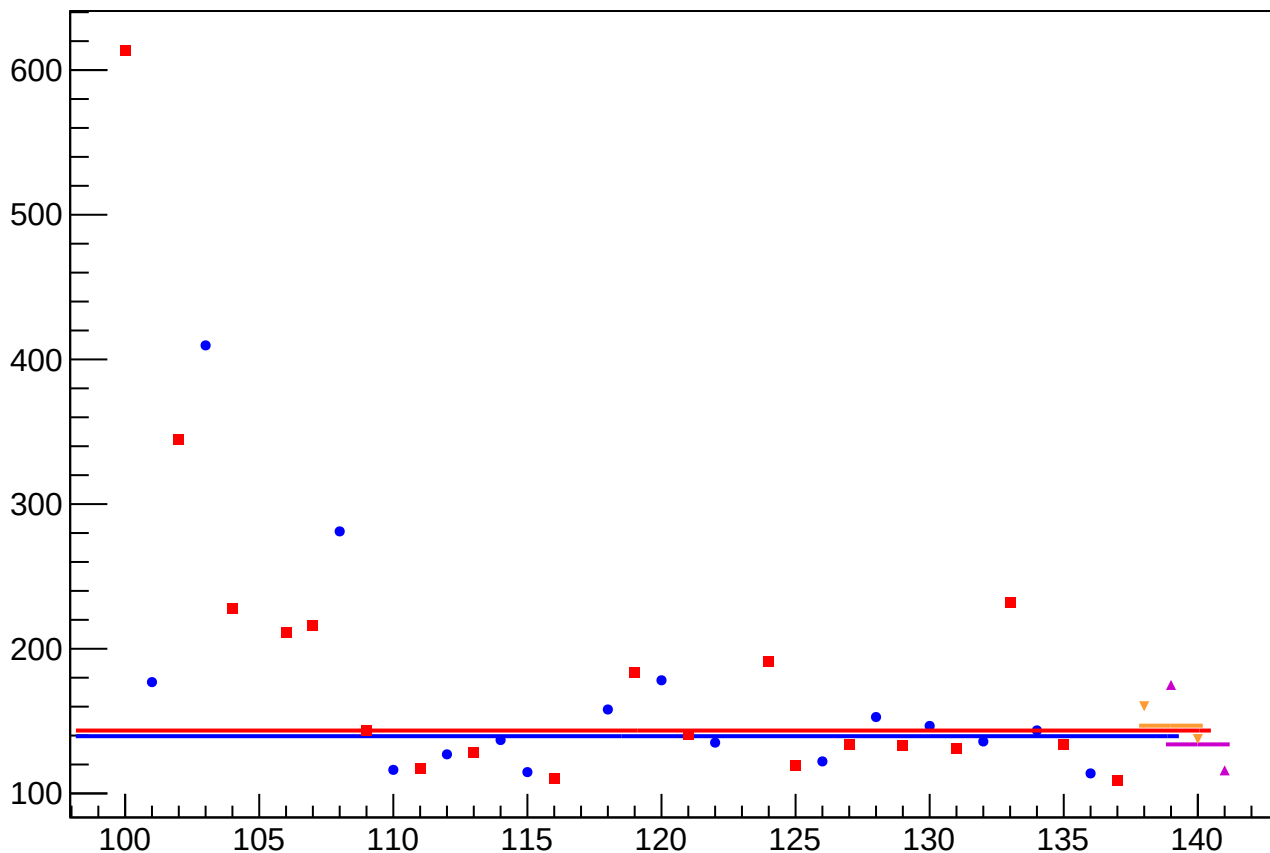
Left In: 88.363+/-105.415 χ^2/NDF : 0.4/1

+ sign 62.487+/-49.859 χ^2/NDF : 26.8/17

All: 38.448+/-35.134 χ^2/NDF : 45.6/38

- sign 14.738+/-49.517 χ^2/NDF : 18.4/20

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

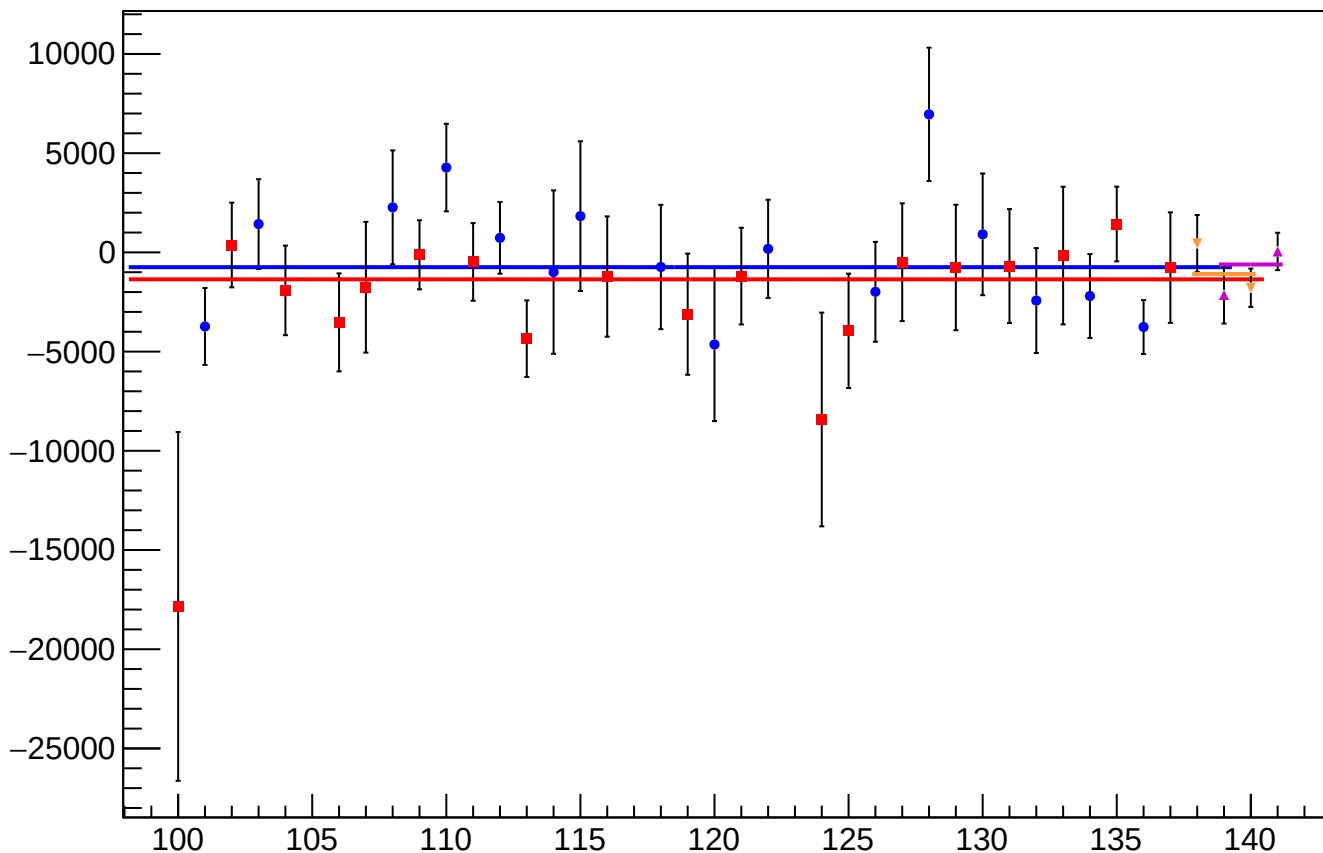
Left In: 133.916 $\pm$ 0.075 χ^2 /NDF:132767.9/1

+ sign 140.843 $\pm$ 0.035 χ^2 /NDF: 1000402.2/17

All: 141.108 $\pm$ 0.025 χ^2 /NDF: 2262782.2/38

- sign 141.369 $\pm$ 0.035 χ^2 /NDF: 1262267.9/20

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

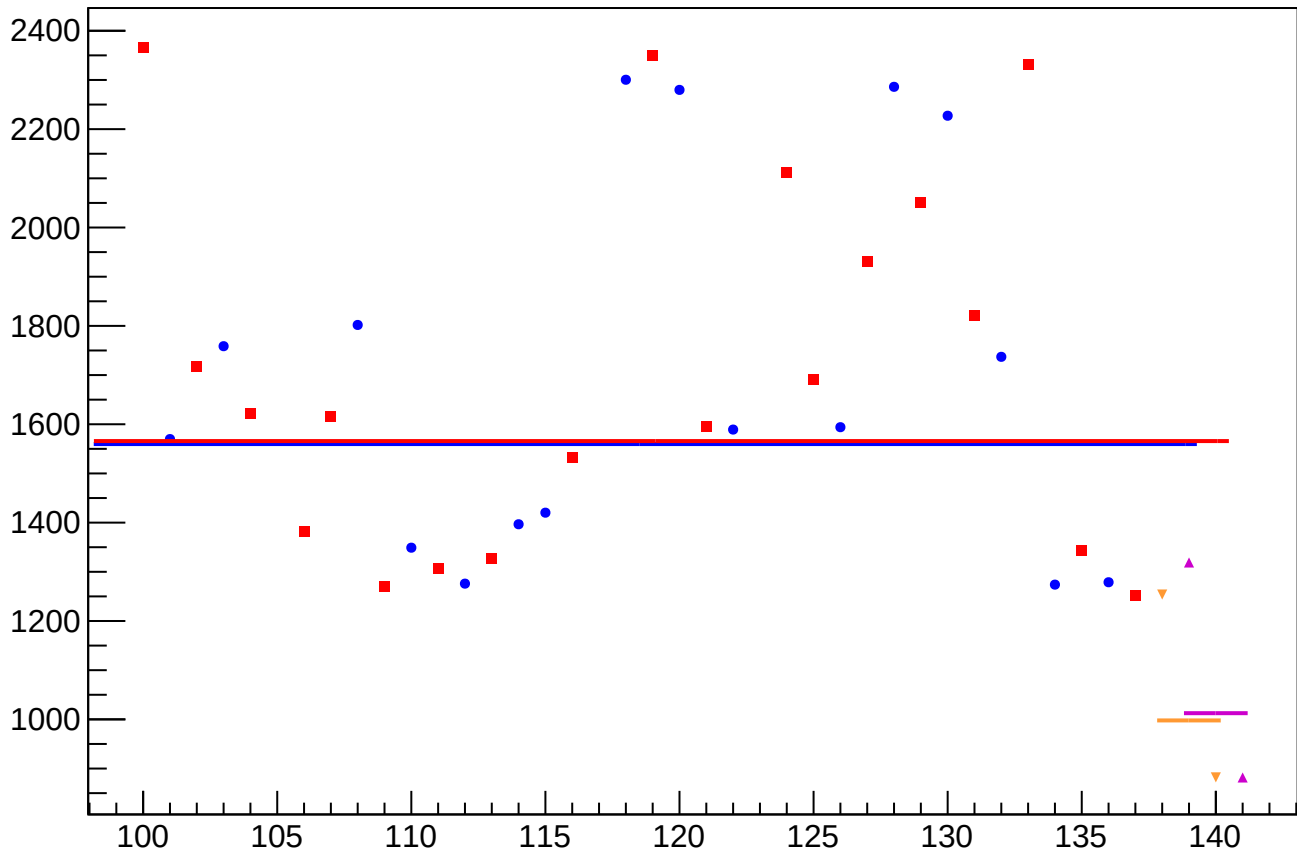
Left In: -608.641 ± 788.400 χ^2/NDF : 1.6/1

+ sign -866.738 ± 478.041 χ^2/NDF : 25.2/17

All: -980.905 ± 335.224 χ^2/NDF : 41.1/38

- sign -1091.363 ± 470.214 χ^2/NDF : 15.7/20

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2 /NDF: 604209.5/15

Left Out: 997.833+/-0.566 χ^2 /NDF:92399.5/1

Right Out: 1565.808+/-0.414 χ^2 /NDF: 563847.8/18

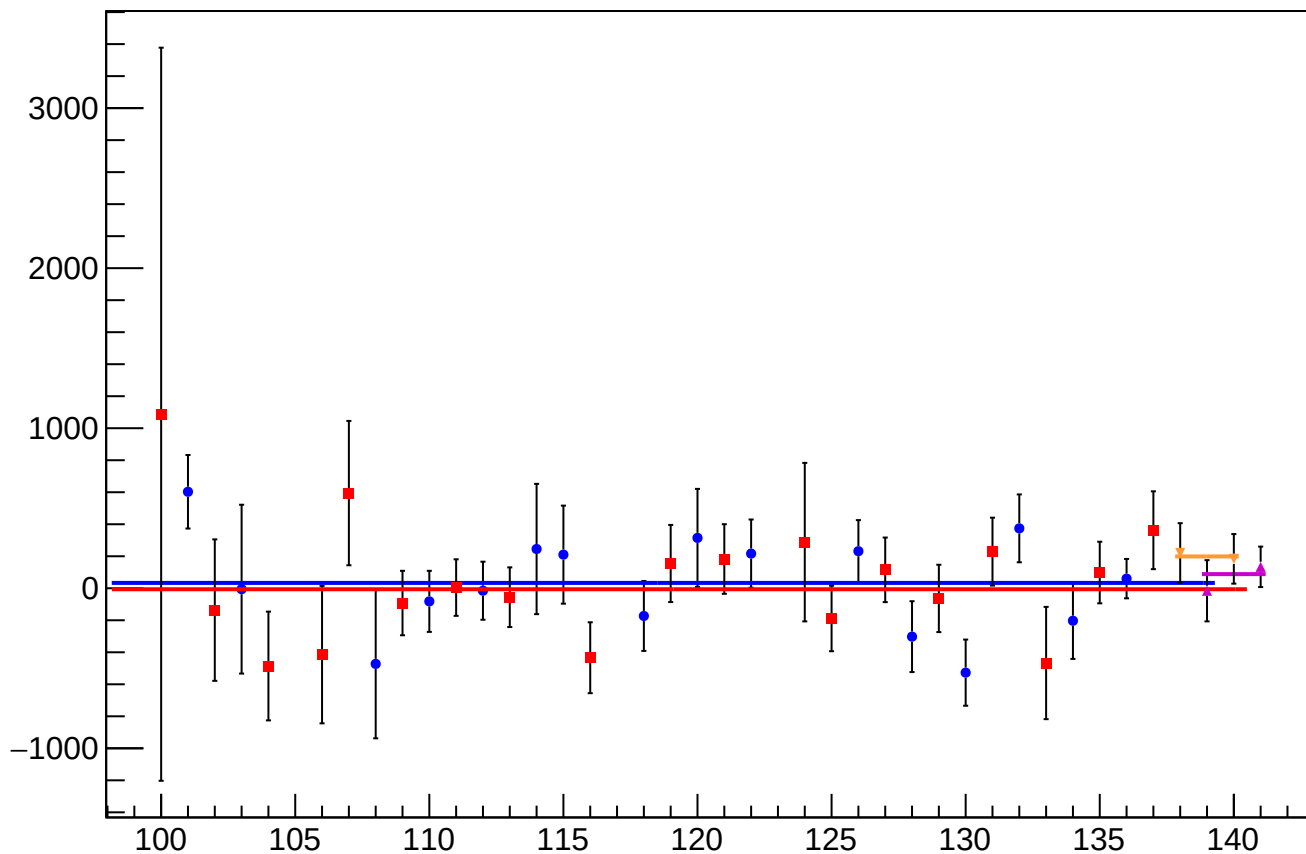
Left In: 1012.579+/-0.557 χ^2 /NDF:128865.8/1

+ sign 1359.556+/-0.338 χ^2 /NDF: 1330326.7/17

All: 1364.365+/-0.237 χ^2 /NDF: 2657932.1/38

- sign 1369.018+/-0.332 χ^2 /NDF: 1327207.1/20

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF : 25.2/15

Left Out: 198.864+/-119.038 χ^2/NDF : 0.0/1

Right Out: -6.103+/-56.090 χ^2/NDF : 17.3/18

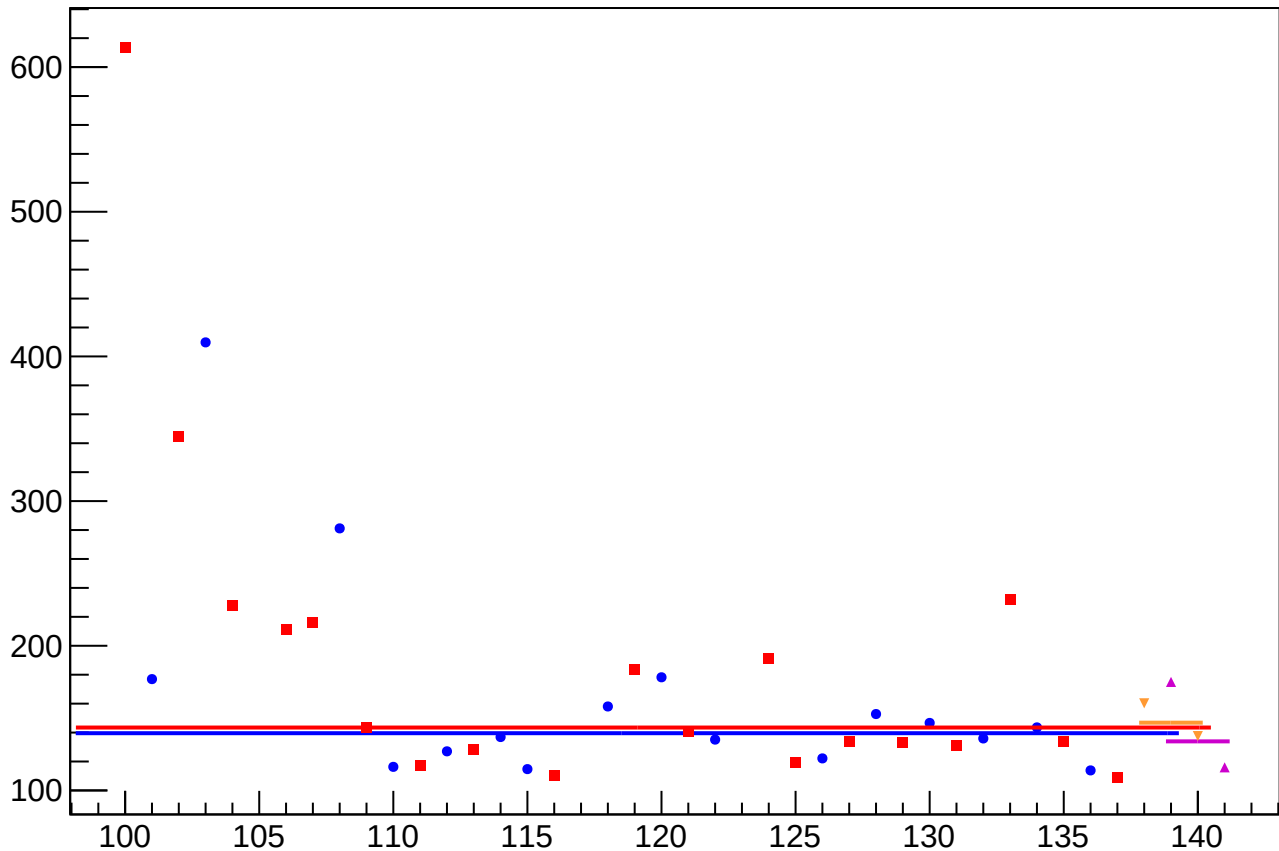
Left In: 88.360+/-105.416 χ^2/NDF : 0.4/1

+ sign 62.486+/-49.859 χ^2/NDF : 26.8/17

All: 38.449+/-35.134 χ^2/NDF : 45.6/38

- sign 14.740+/-49.517 χ^2/NDF : 18.4/20

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

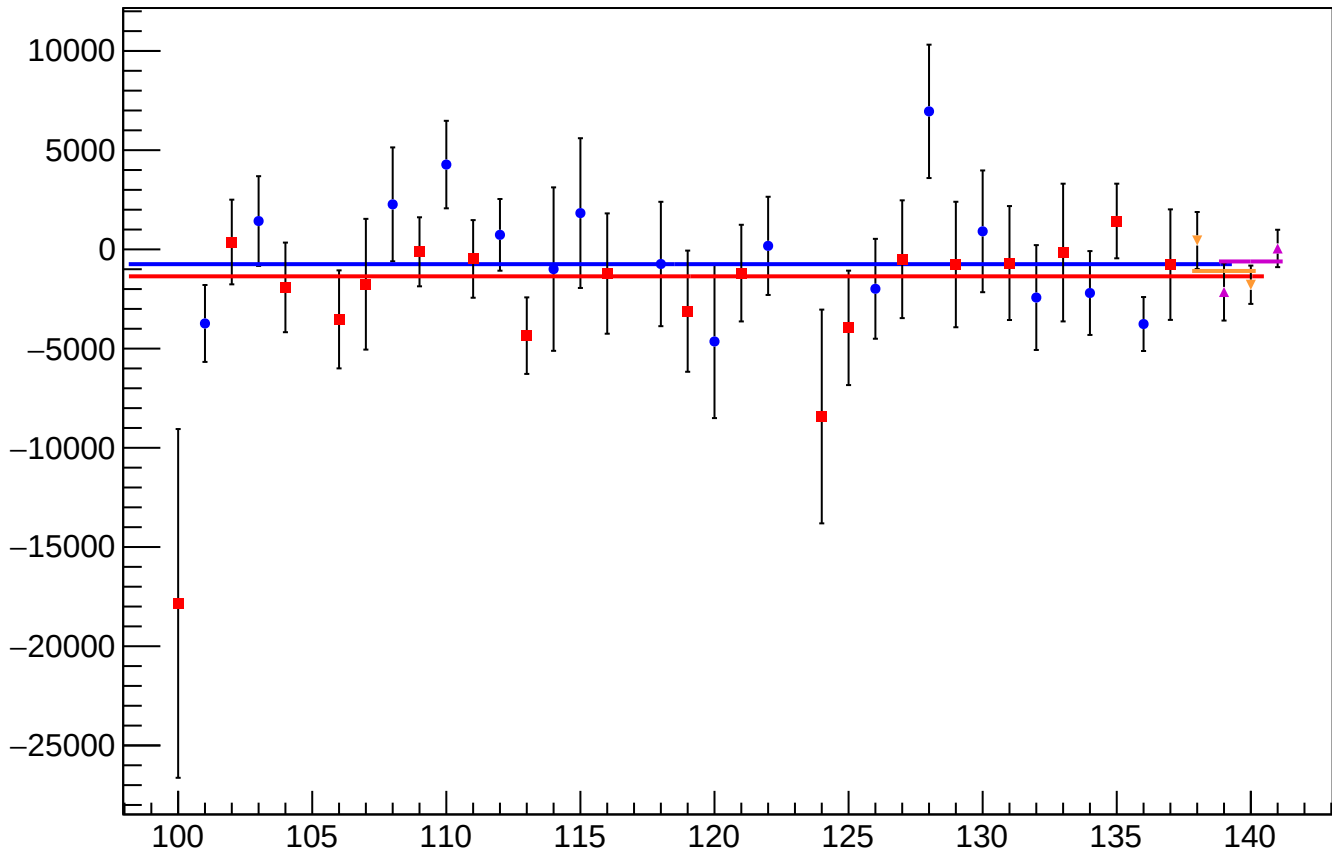
Left In: 133.916 $\pm$ 0.075 χ^2 /NDF:132765.0/1

+ sign 140.844 $\pm$ 0.035 χ^2 /NDF: 1000404.5/17

All: 141.108 $\pm$ 0.025 χ^2 /NDF: 2262788.5/38

- sign 141.370 $\pm$ 0.035 χ^2 /NDF: 1262271.9/20

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

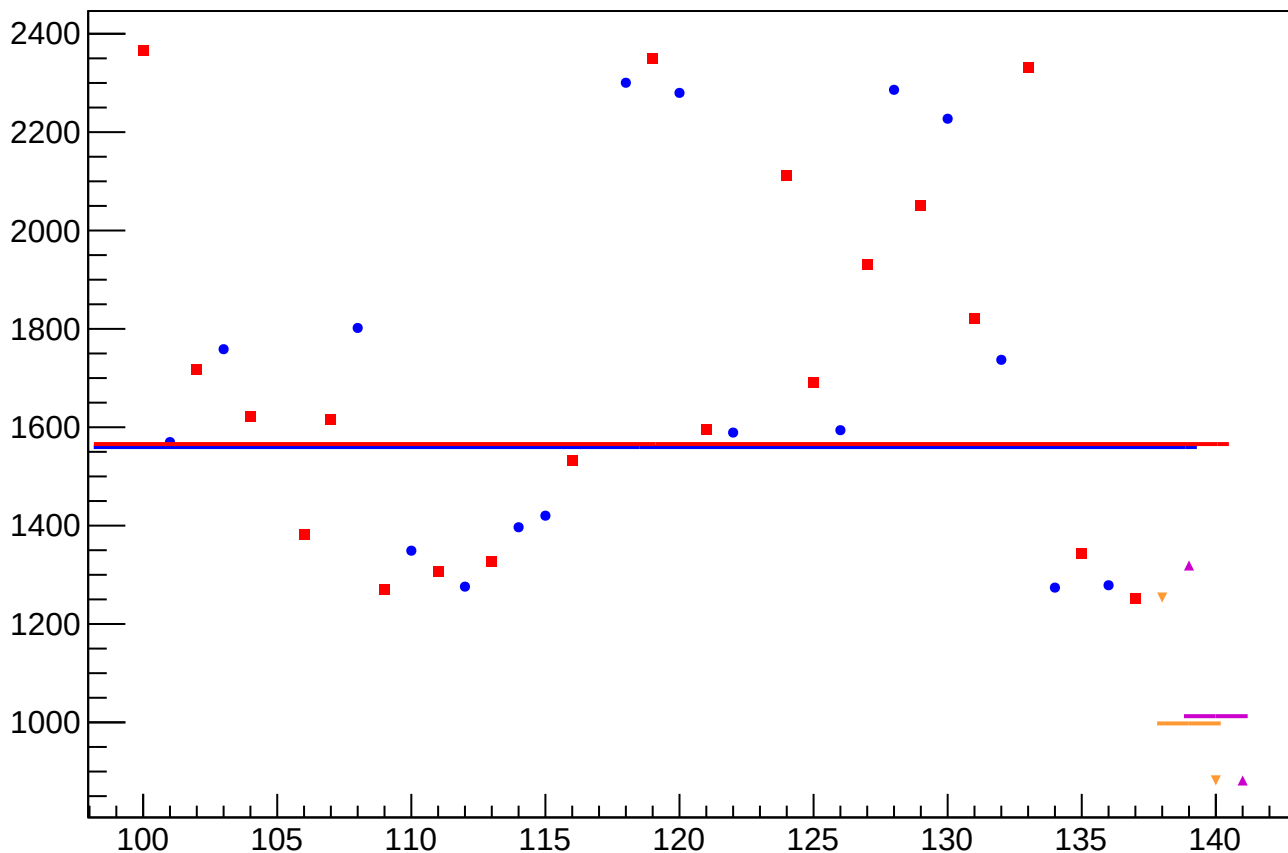
Left In: -608.641+/-788.400 χ^2/NDF : 1.6/1

+ sign -866.737+/-478.041 χ^2/NDF : 25.2/17

All: -980.904+/-335.224 χ^2/NDF : 41.1/38

- sign -1091.363+/-470.214 χ^2/NDF : 15.7/20

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2 /NDF: 604209.8/15

Left Out: 997.833+/-0.566 χ^2 /NDF:92401.1/1

Right Out: 1565.806+/-0.414 χ^2 /NDF: 563845.7/18

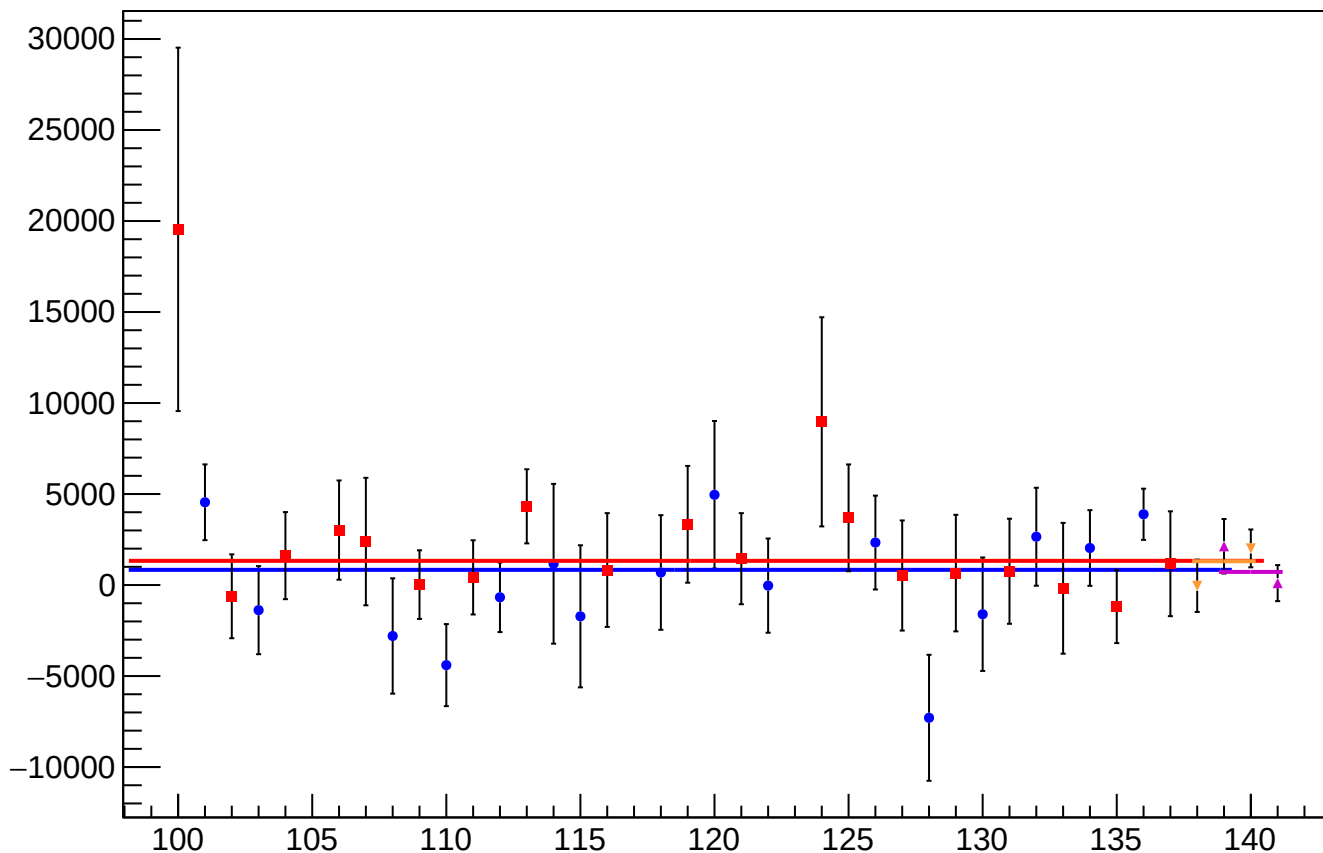
Left In: 1012.578+/-0.557 χ^2 /NDF:128867.2/1

+ sign 1359.555+/-0.338 χ^2 /NDF: 1330326.7/17

All: 1364.364+/-0.237 χ^2 /NDF: 2657929.1/38

- sign 1369.017+/-0.332 χ^2 /NDF: 1327204.2/20

asym_sam3_mean vs Slug



Right In: 835.496 ± 618.780 χ^2/NDF : 24.9/15

Left Out: 1307.483 ± 842.775 χ^2/NDF : 1.3/1

Right Out: 1329.538 ± 616.428 χ^2/NDF : 12.1/18

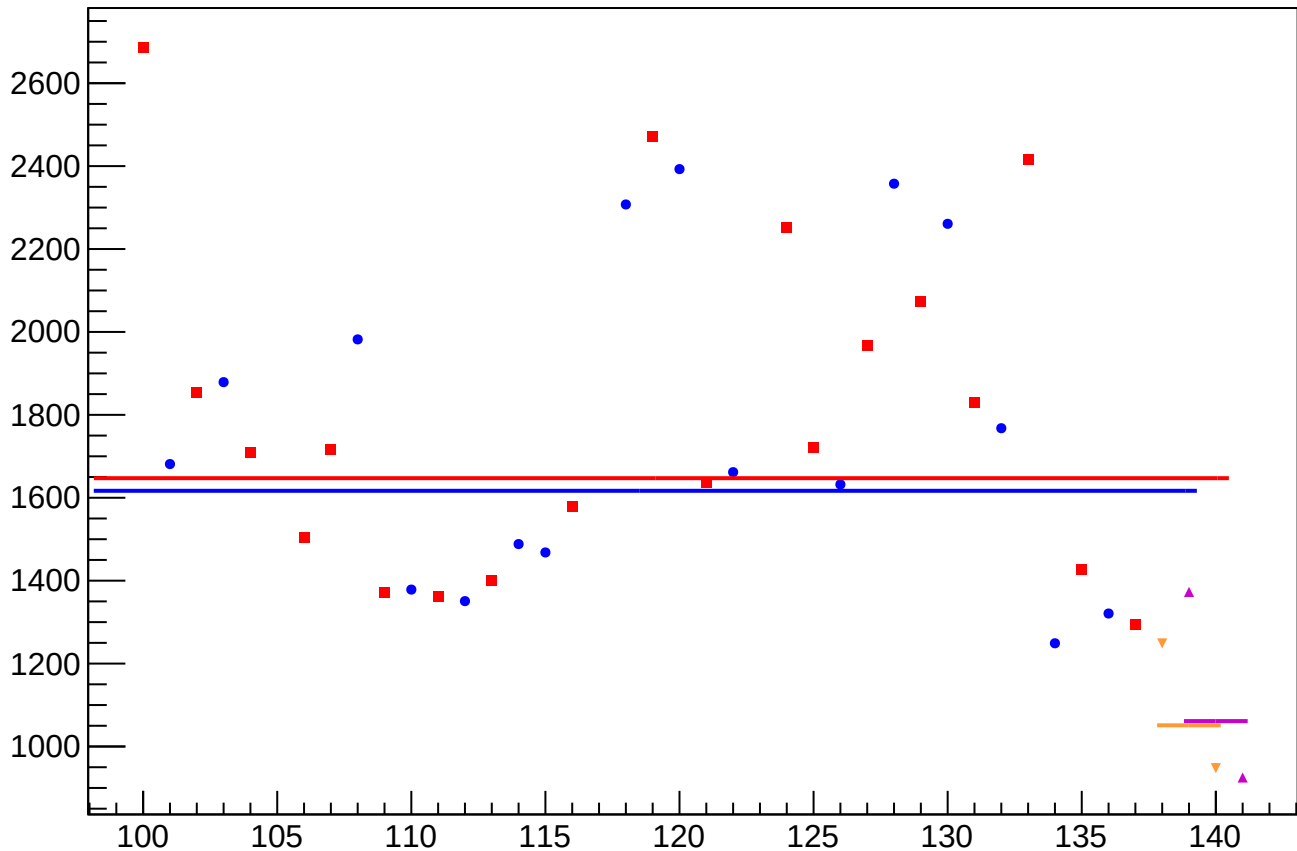
Left In: 720.901 ± 826.018 χ^2/NDF : 1.3/1

+ sign 1000.814 ± 498.777 χ^2/NDF : 26.4/17

All: 1056.852 ± 350.997 χ^2/NDF : 40.2/38

- sign 1111.827 ± 494.027 χ^2/NDF : 13.7/20

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF : 622271.0/15

Left Out: 1051.095+/-0.596 χ^2/NDF : 57485.5/1

Right Out: 1647.227+/-0.436 χ^2/NDF : 523860.9/18

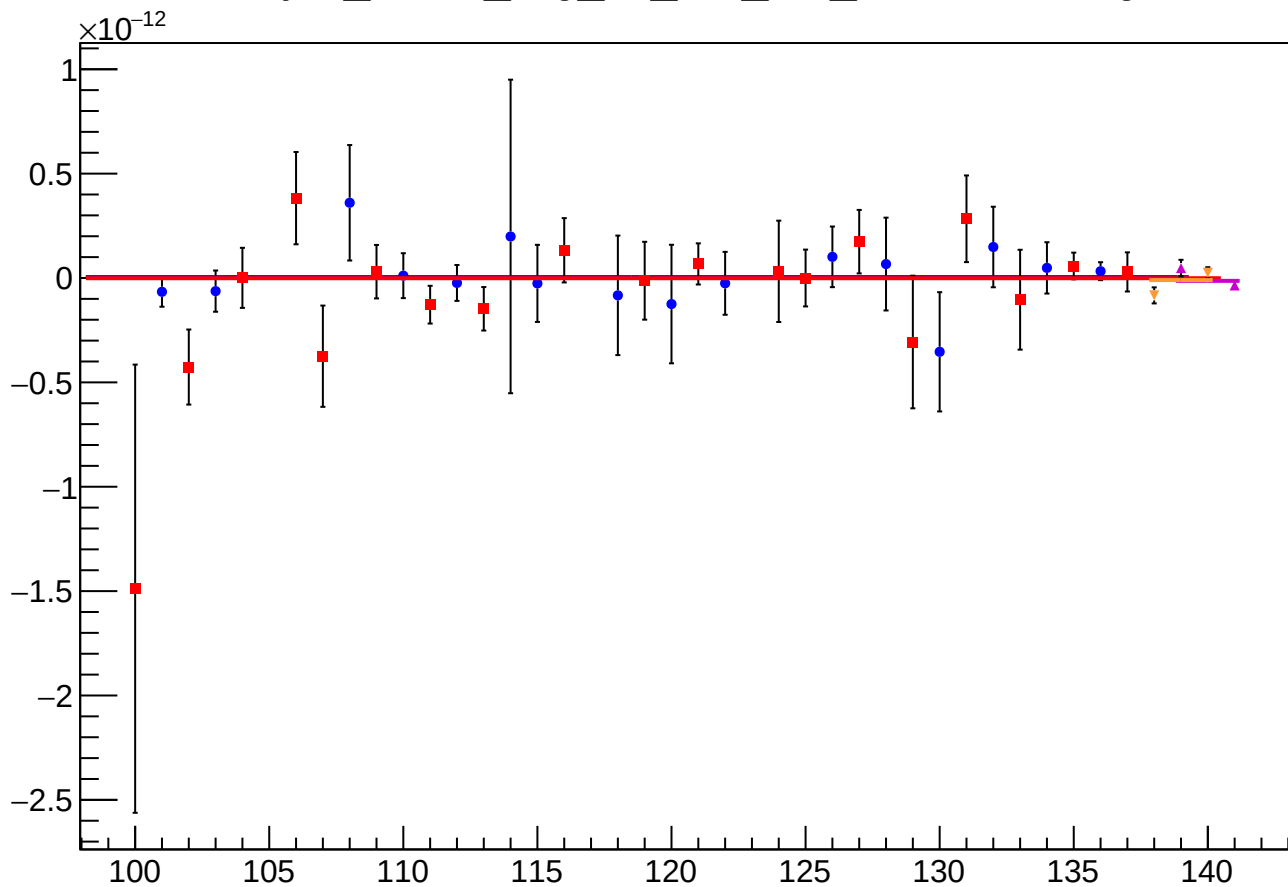
Left In: 1061.294+/-0.584 χ^2/NDF : 124302.8/1

+ sign 1418.659+/-0.353 χ^2/NDF : 1265264.1/17

All: 1428.239+/-0.248 χ^2/NDF : 2561262.0/38

- sign 1437.638+/-0.349 χ^2/NDF : 1294536.3/20

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 5.4/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/18

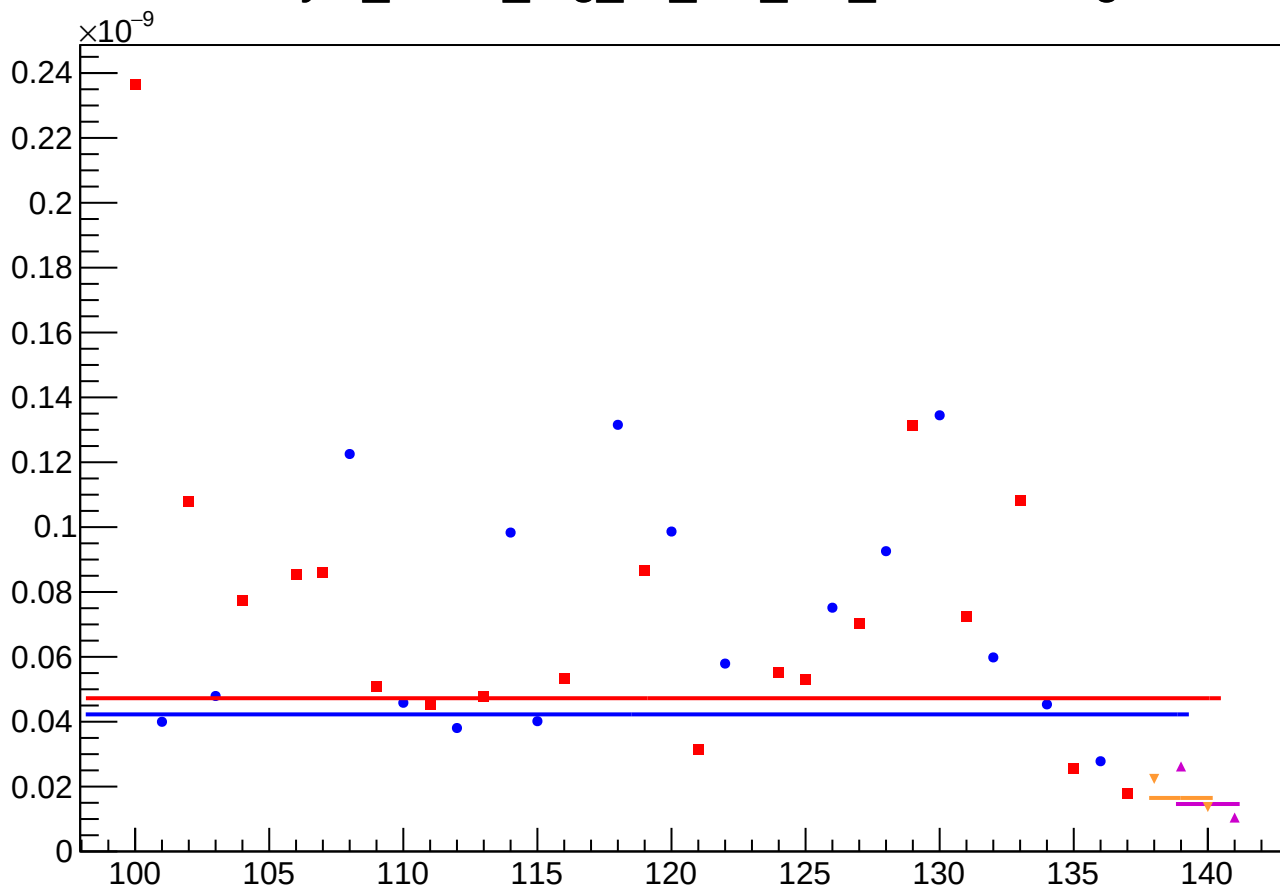
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 39.2/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.8/20

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

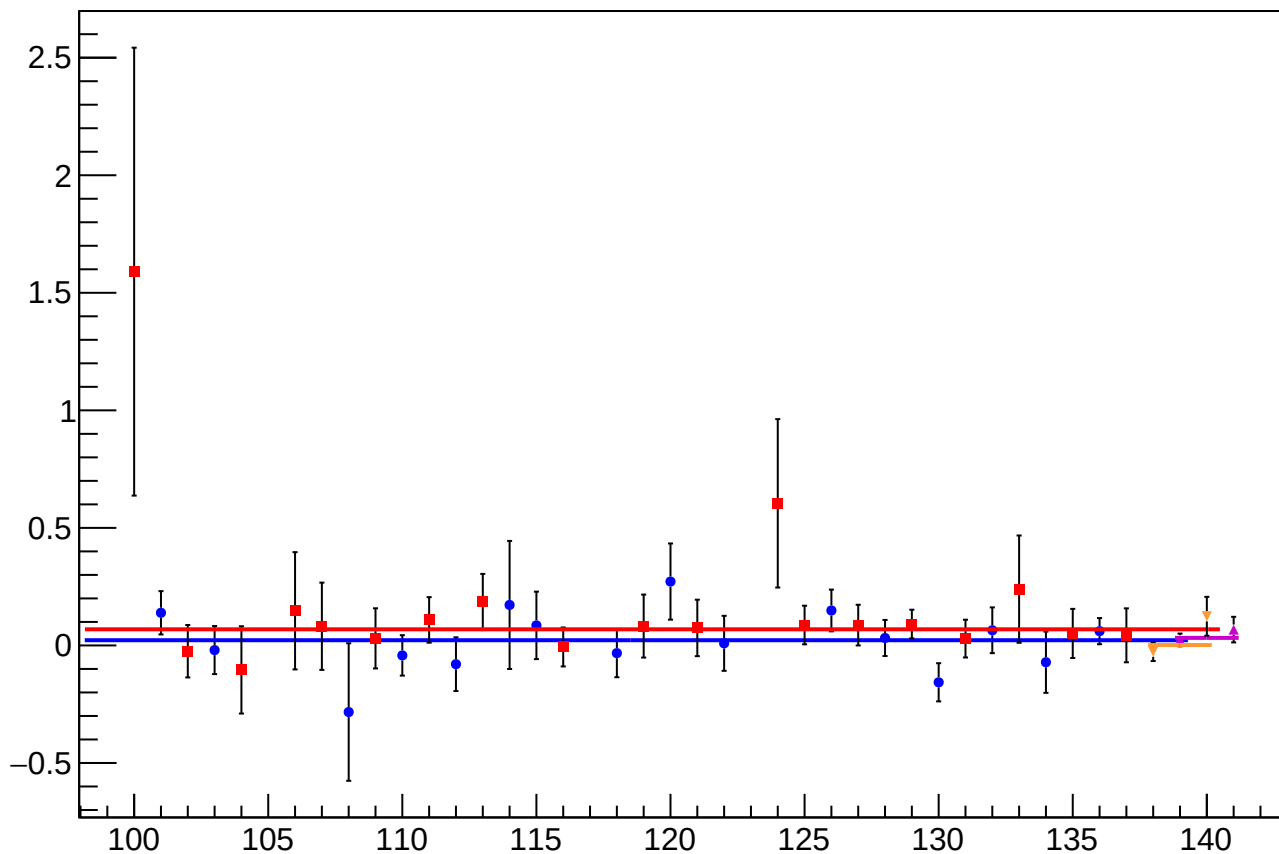
Left In: 0.000+/-0.000 χ^2/NDF : 232315.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2304113.4/17

All: 0.000+/-0.000 χ^2/NDF : 5553372.3/38

- sign 0.000+/-0.000 χ^2/NDF : 3237982.0/20

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 0.002 ± 0.036 $\chi^2/\text{NDF}: 2.7/1$

Right Out: 0.069 ± 0.025 $\chi^2/\text{NDF}: 9.6/18$

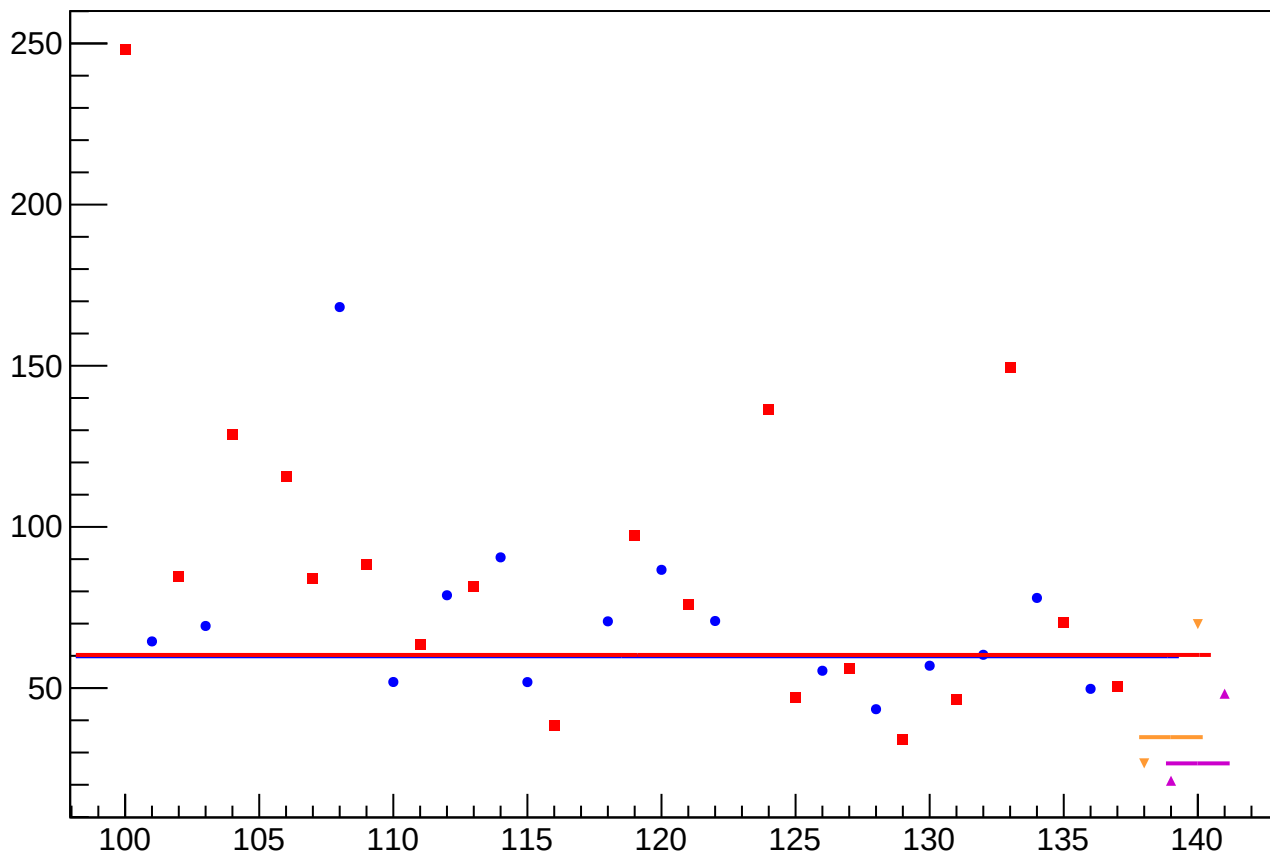
Left In: 0.032 ± 0.024 $\chi^2/\text{NDF}: 0.5/1$

+ sign 0.016 ± 0.020 $\chi^2/\text{NDF}: 18.4/17$

All: 0.035 ± 0.013 $\chi^2/\text{NDF}: 31.2/38$

- sign 0.050 ± 0.018 $\chi^2/\text{NDF}: 11.2/20$

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

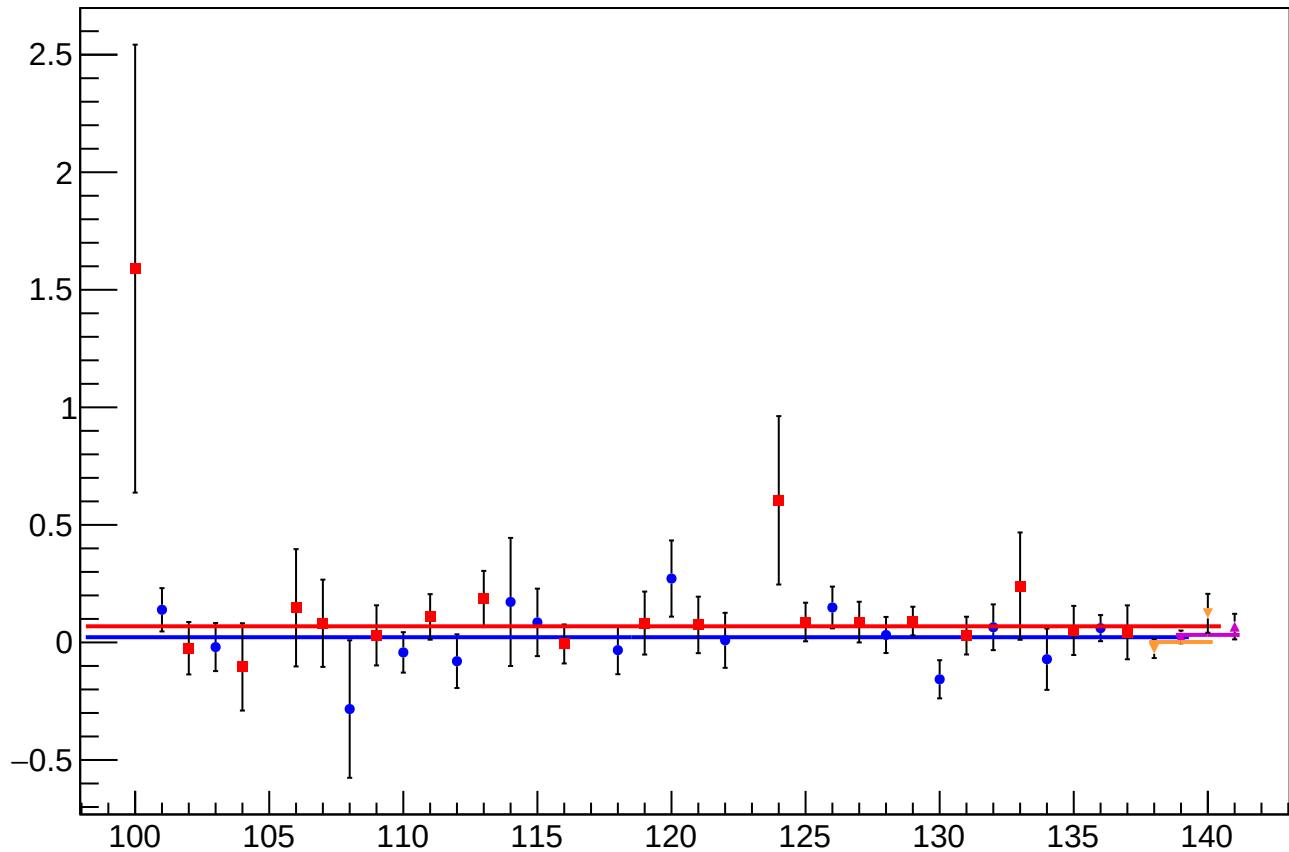
Left In: 26.634 $\pm$ 0.017 χ^2 /NDF: 394522.7/1

+ sign 51.811 $\pm$ 0.014 χ^2 /NDF: 1806254.7/17

All: 46.631 $\pm$ 0.009 χ^2 /NDF: 6246030.2/38

- sign 42.787 $\pm$ 0.012 χ^2 /NDF: 4213628.0/20

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: 0.002 ± 0.036 χ^2/NDF : 2.7/1

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

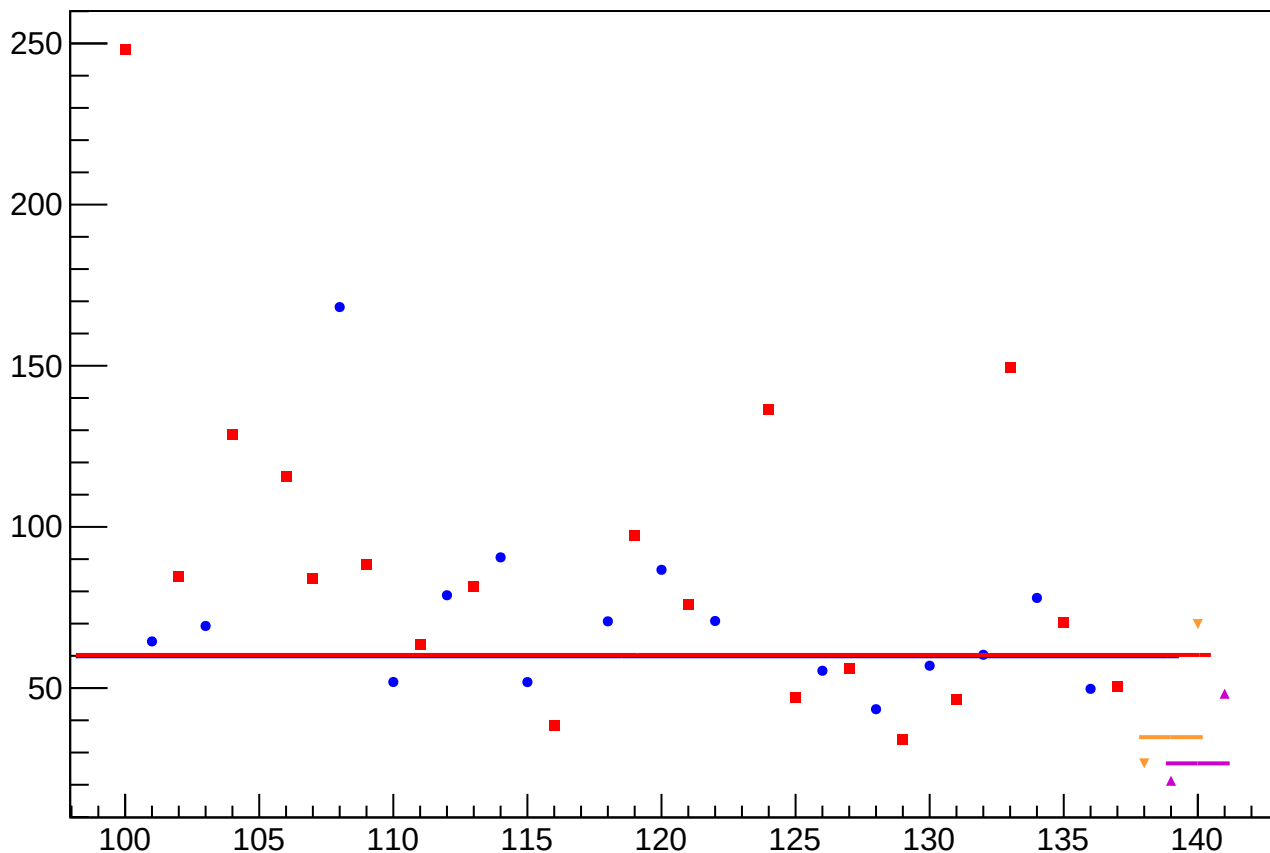
Left In: 0.032 ± 0.024 χ^2/NDF : 0.5/1

+ sign 0.016 ± 0.020 χ^2/NDF : 18.4/17

All: 0.035 ± 0.013 χ^2/NDF : 31.2/38

- sign 0.050 ± 0.018 χ^2/NDF : 11.2/20

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 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

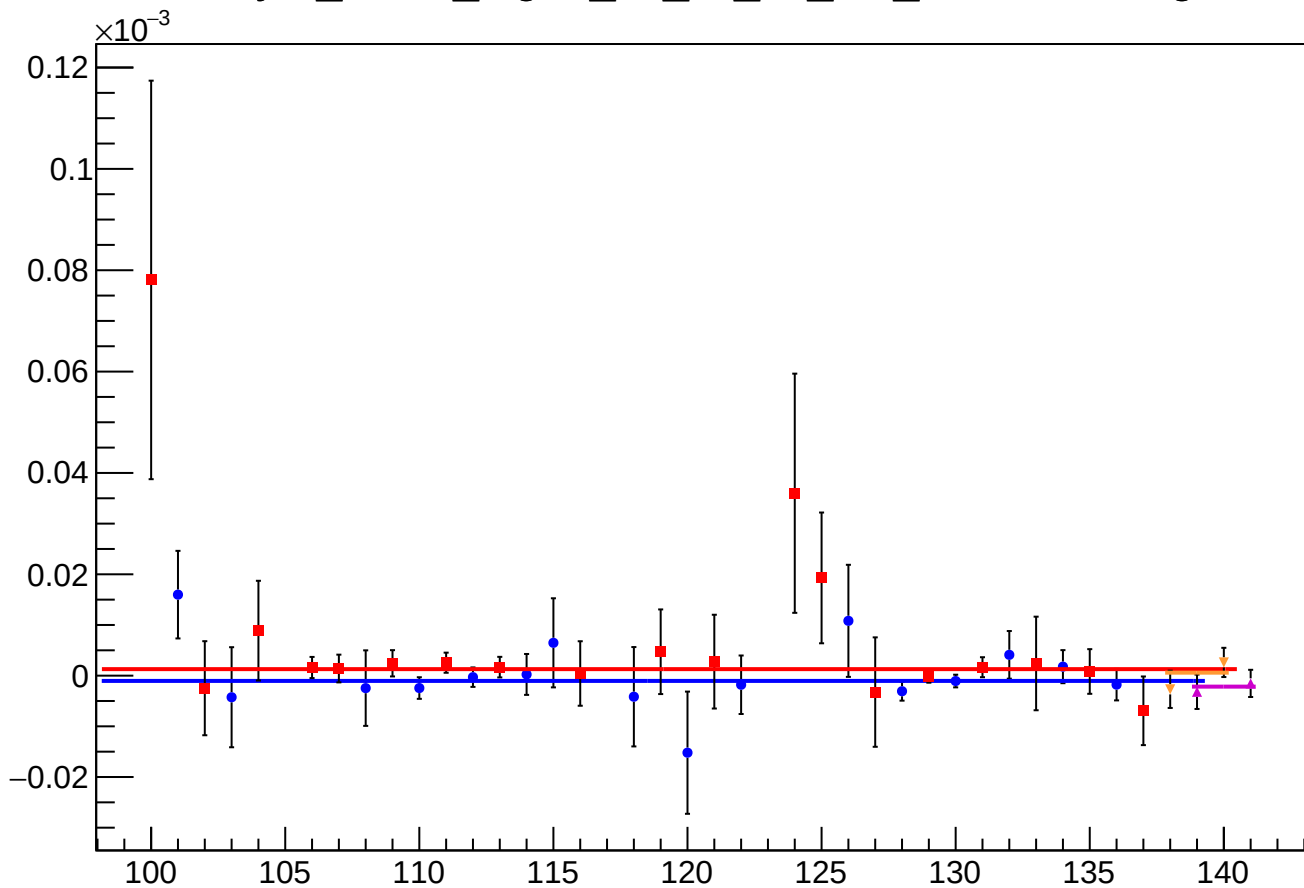
Left In: 26.634 $\pm$ 0.017 χ^2 /NDF: 394522.7/1

+ sign 51.811 $\pm$ 0.014 χ^2 /NDF: 1806254.7/17

All: 46.631 $\pm$ 0.009 χ^2 /NDF: 6246030.2/38

- sign 42.787 $\pm$ 0.012 χ^2 /NDF: 4213628.0/20

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.3/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.5/18

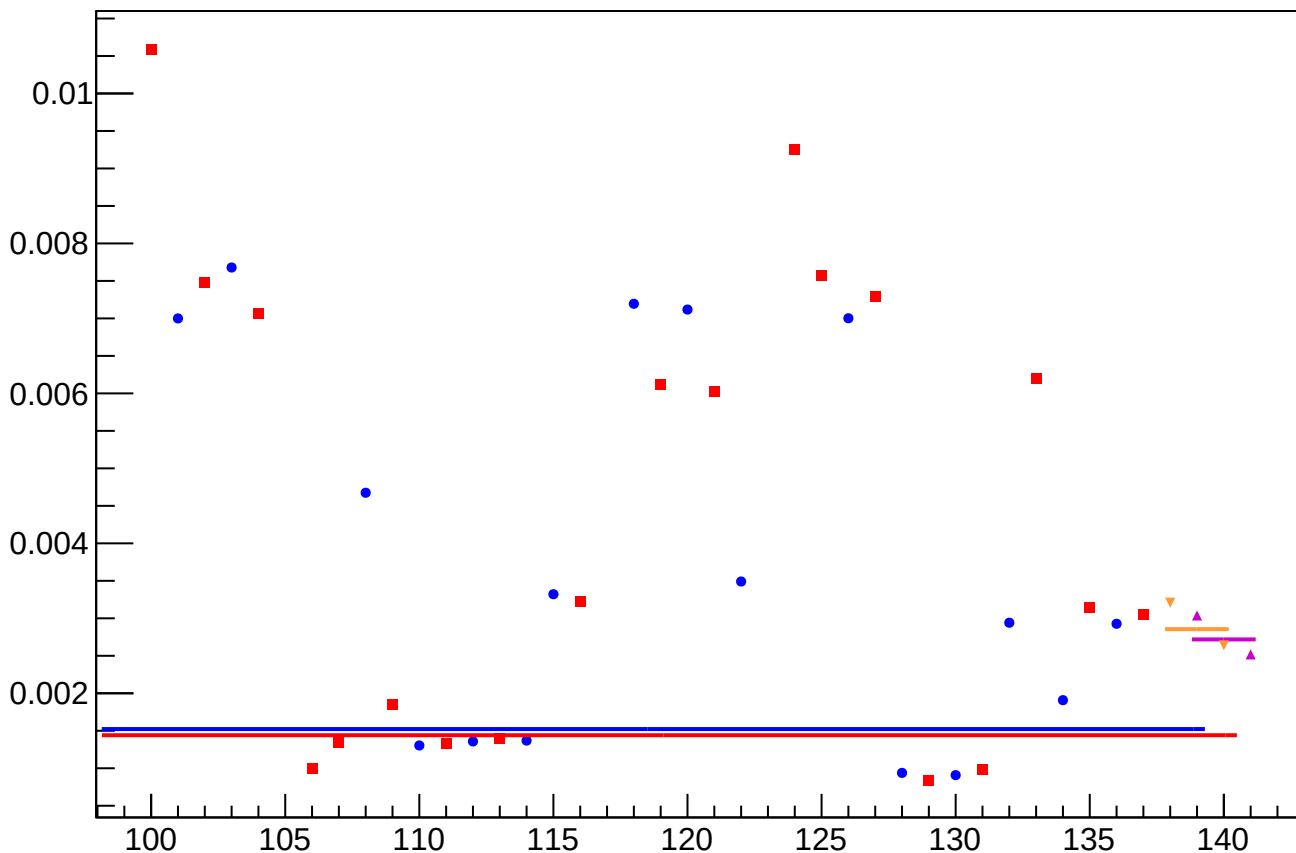
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 13.0/17

All: 0.000 ± 0.000 χ^2/NDF : 31.6/38

- sign 0.000 ± 0.000 χ^2/NDF : 15.0/20

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5182869.7/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:29779.5/1

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5789411.1/18

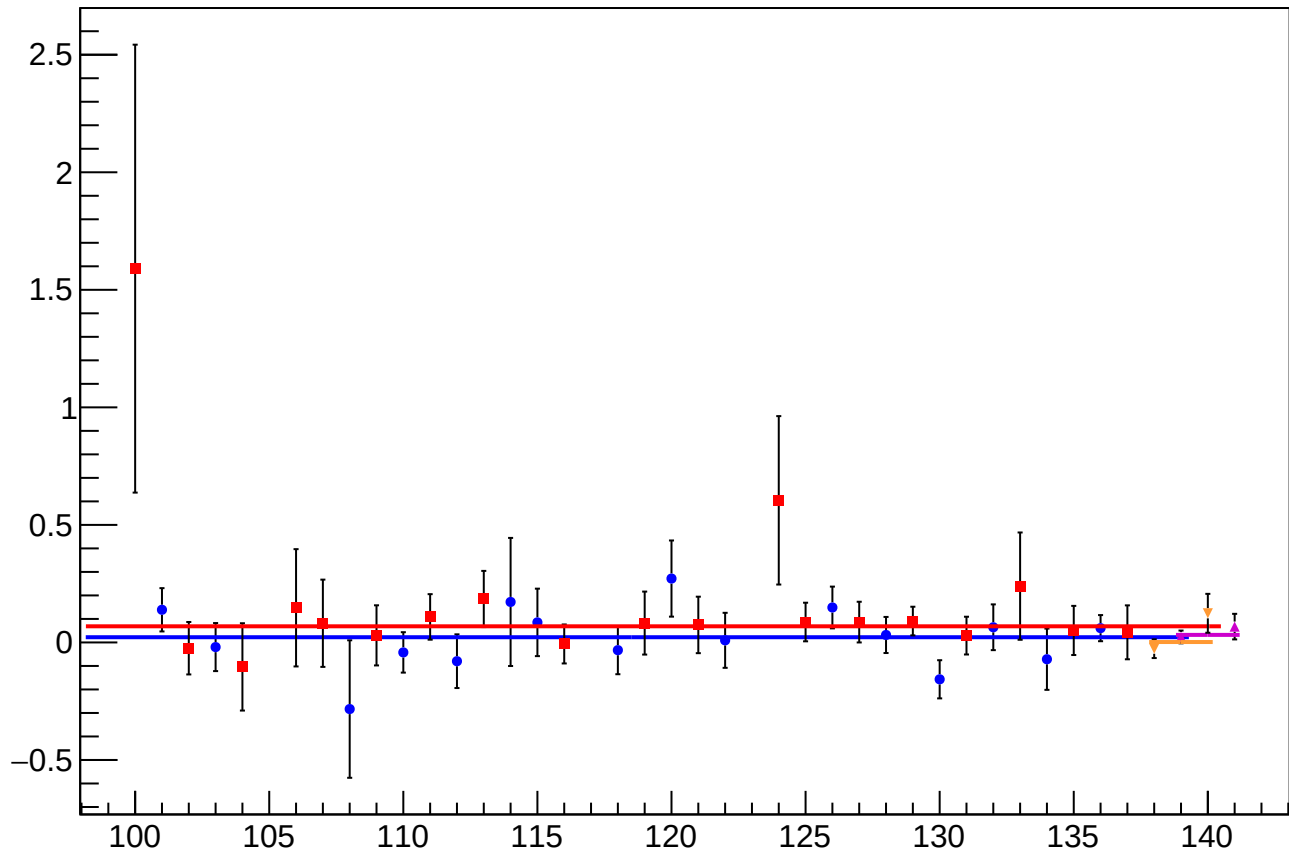
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:28854.2/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5836525.0/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 12333894.7/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6482613.2/20

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: 0.002 ± 0.036 χ^2/NDF : 2.7/1

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

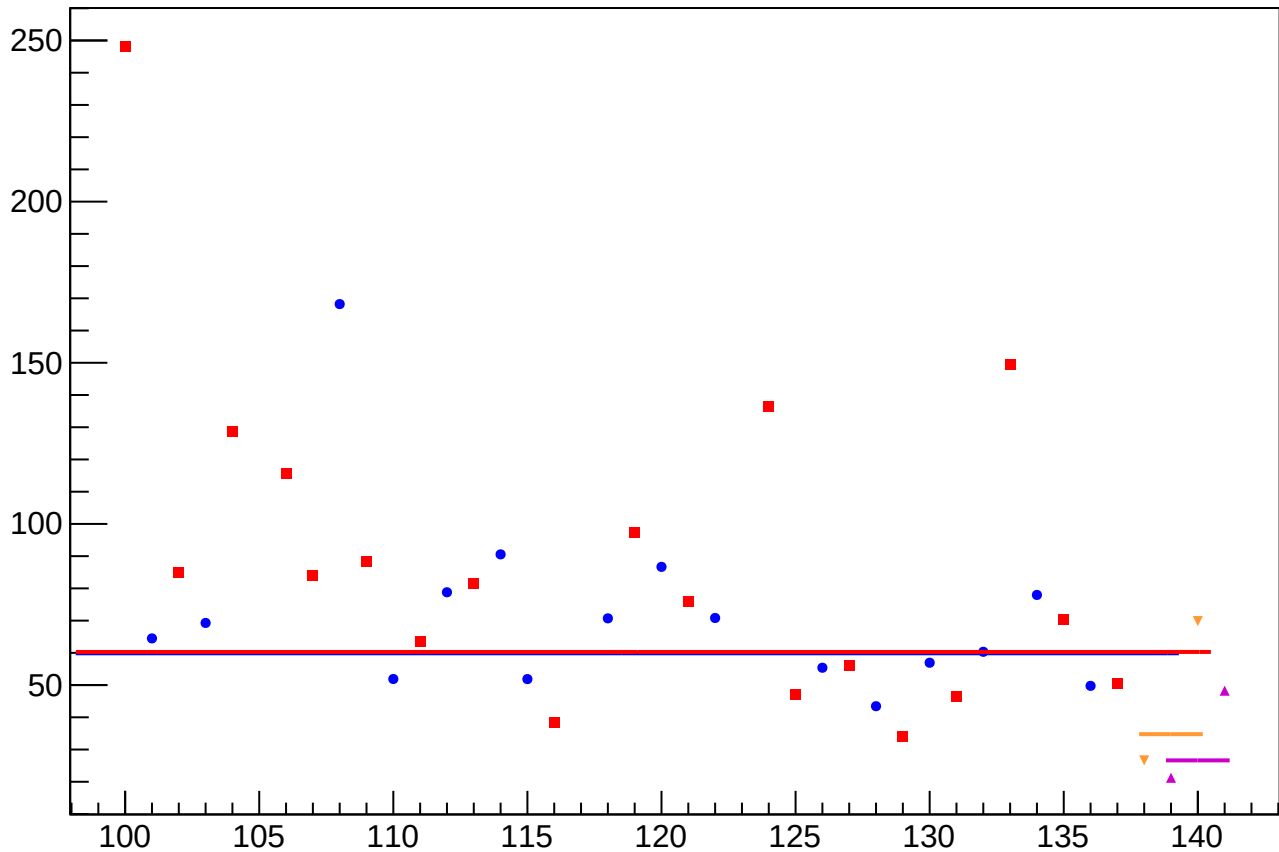
Left In: 0.032 ± 0.024 χ^2/NDF : 0.5/1

+ sign 0.016 ± 0.020 χ^2/NDF : 18.4/17

All: 0.035 ± 0.013 χ^2/NDF : 31.2/38

- sign 0.050 ± 0.018 χ^2/NDF : 11.2/20

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868 $\pm$ 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

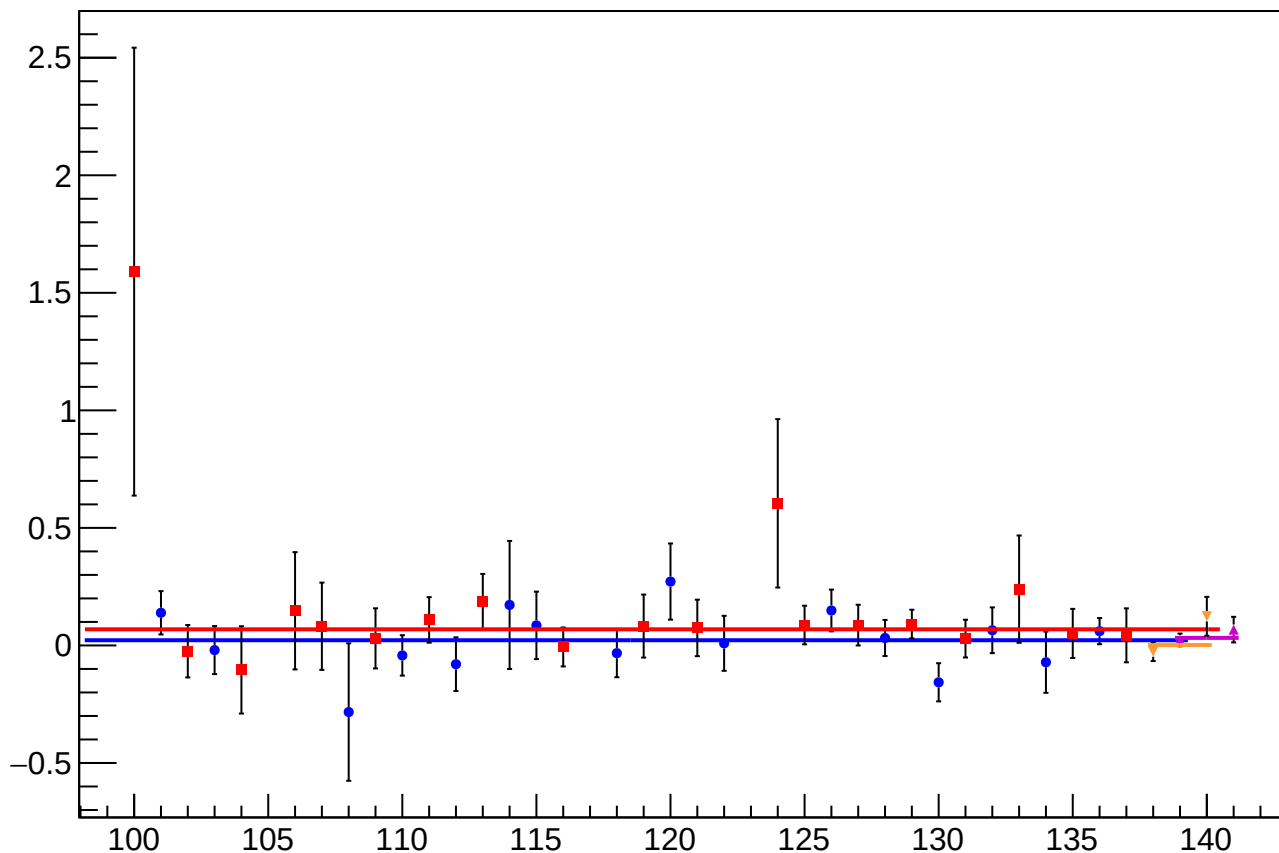
Left In: 26.633 $\pm$ 0.017 χ^2 /NDF: 394579.2/1

+ sign 51.810 $\pm$ 0.014 χ^2 /NDF: 1806565.0/17

All: 46.630 $\pm$ 0.009 χ^2 /NDF: 6246731.3/38

- sign 42.786 $\pm$ 0.012 χ^2 /NDF: 4213995.0/20

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 0.002 ± 0.036 $\chi^2/\text{NDF}: 2.7/1$

Right Out: 0.069 ± 0.025 $\chi^2/\text{NDF}: 9.6/18$

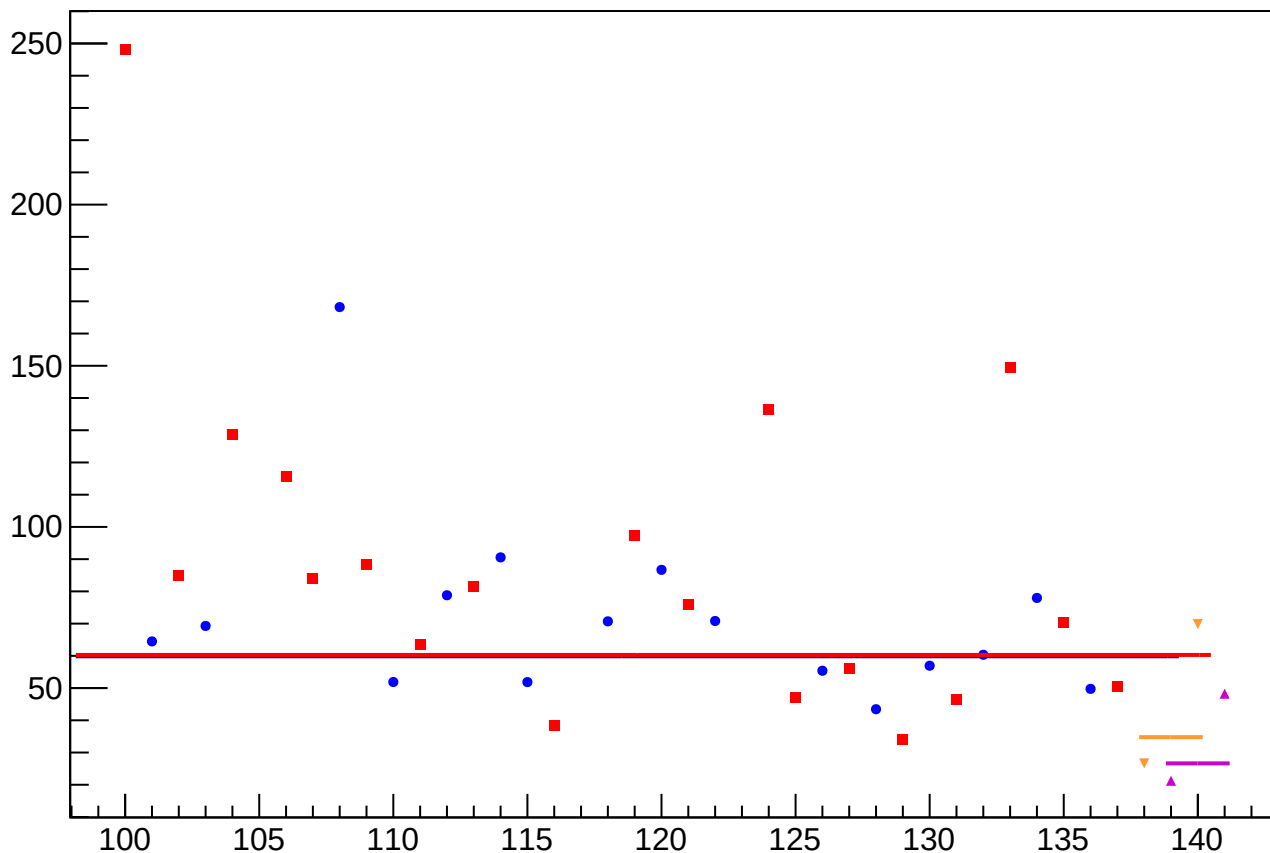
Left In: 0.032 ± 0.024 $\chi^2/\text{NDF}: 0.5/1$

+ sign 0.016 ± 0.020 $\chi^2/\text{NDF}: 18.4/17$

All: 0.035 ± 0.013 $\chi^2/\text{NDF}: 31.2/38$

- sign 0.050 ± 0.018 $\chi^2/\text{NDF}: 11.2/20$

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF : 699008.9/15

Left Out: 34.769+/-0.025 χ^2/NDF : 443199.3/1

Right Out: 60.278+/-0.018 χ^2/NDF : 1977294.2/18

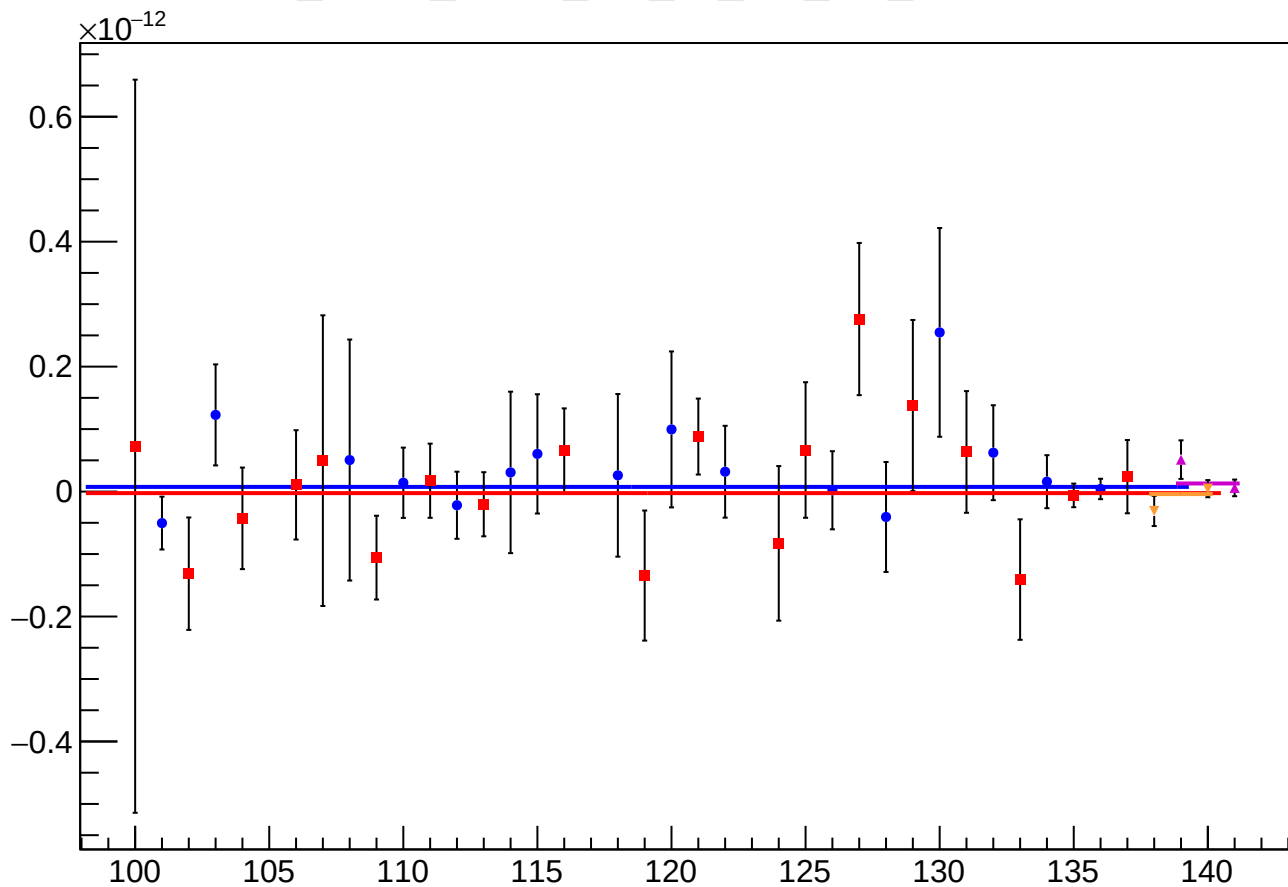
Left In: 26.633+/-0.017 χ^2/NDF : 394579.2/1

+ sign 51.810+/-0.014 χ^2/NDF : 1806565.0/17

All: 46.630+/-0.009 χ^2/NDF : 6246731.3/38

- sign 42.786+/-0.012 χ^2/NDF : 4213995.0/20

asym_sam3_eigen_cor_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:1.6/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/18

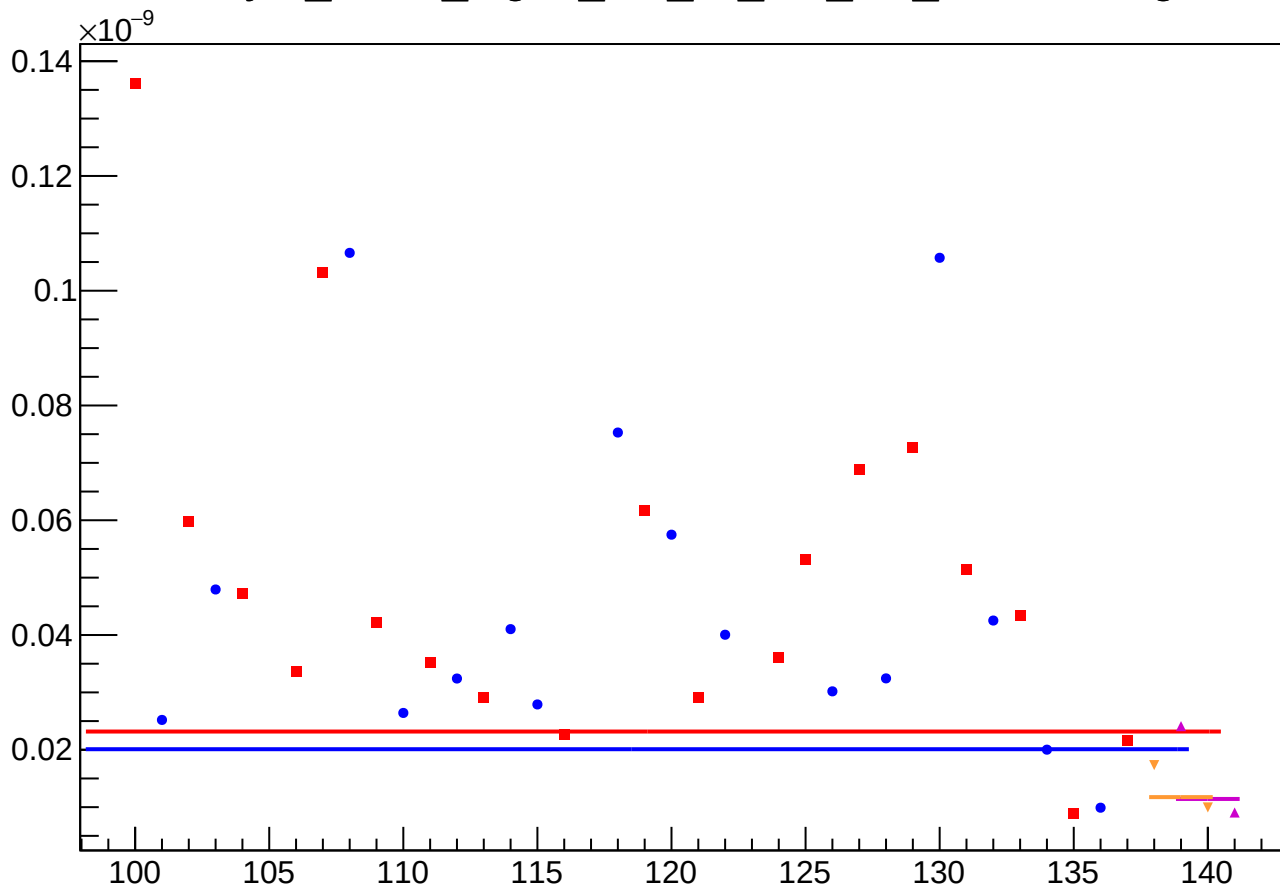
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/20

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

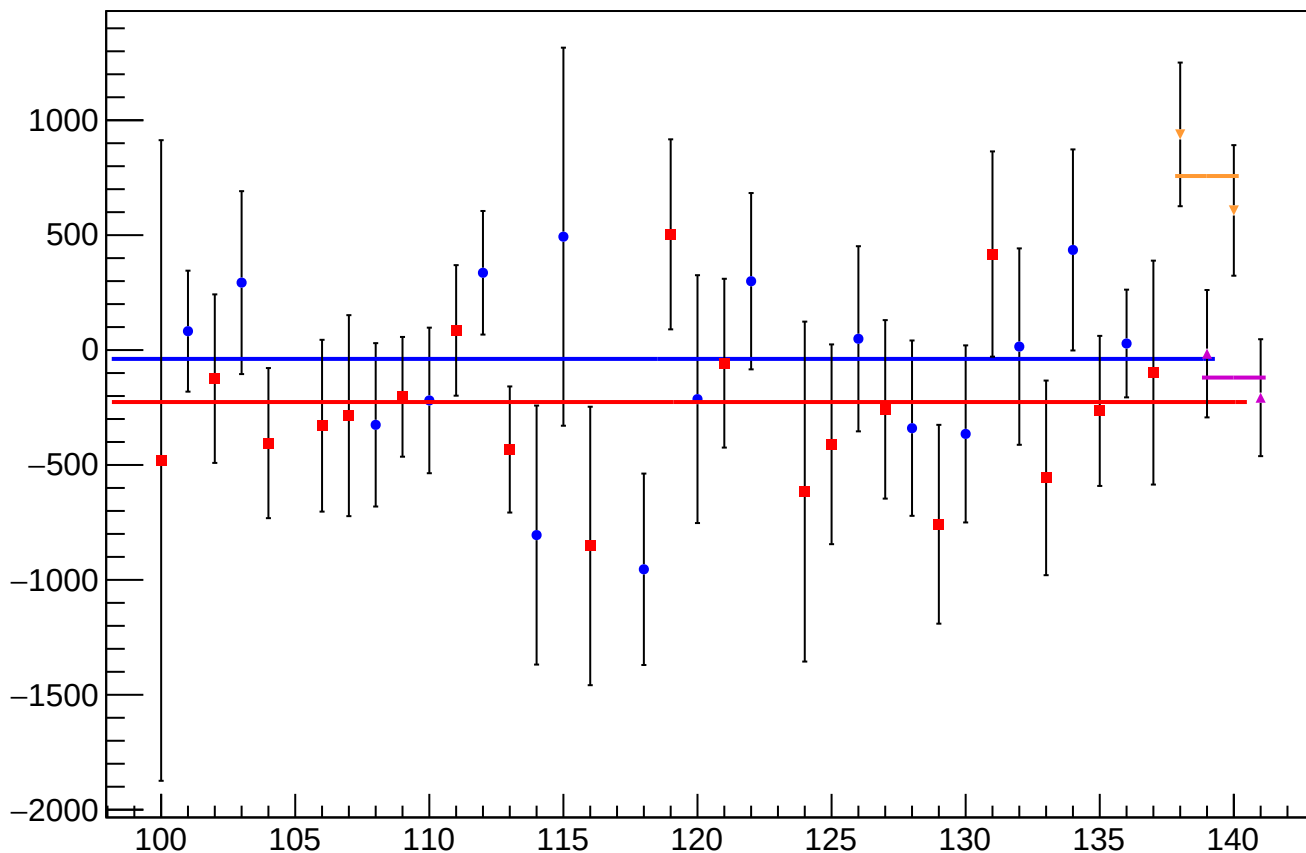
Left In: 0.000+/-0.000 χ^2/NDF :400965.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3742061.7/17

All: 0.000+/-0.000 χ^2/NDF : 8514104.4/38

- sign 0.000+/-0.000 χ^2/NDF : 4762617.8/20

reg_asym_sam4_mean vs Slug



Right In: -38.498 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 757.265 ± 210.214 χ^2/NDF : 0.6/1

Right Out: -226.168 ± 87.908 χ^2/NDF : 11.4/18

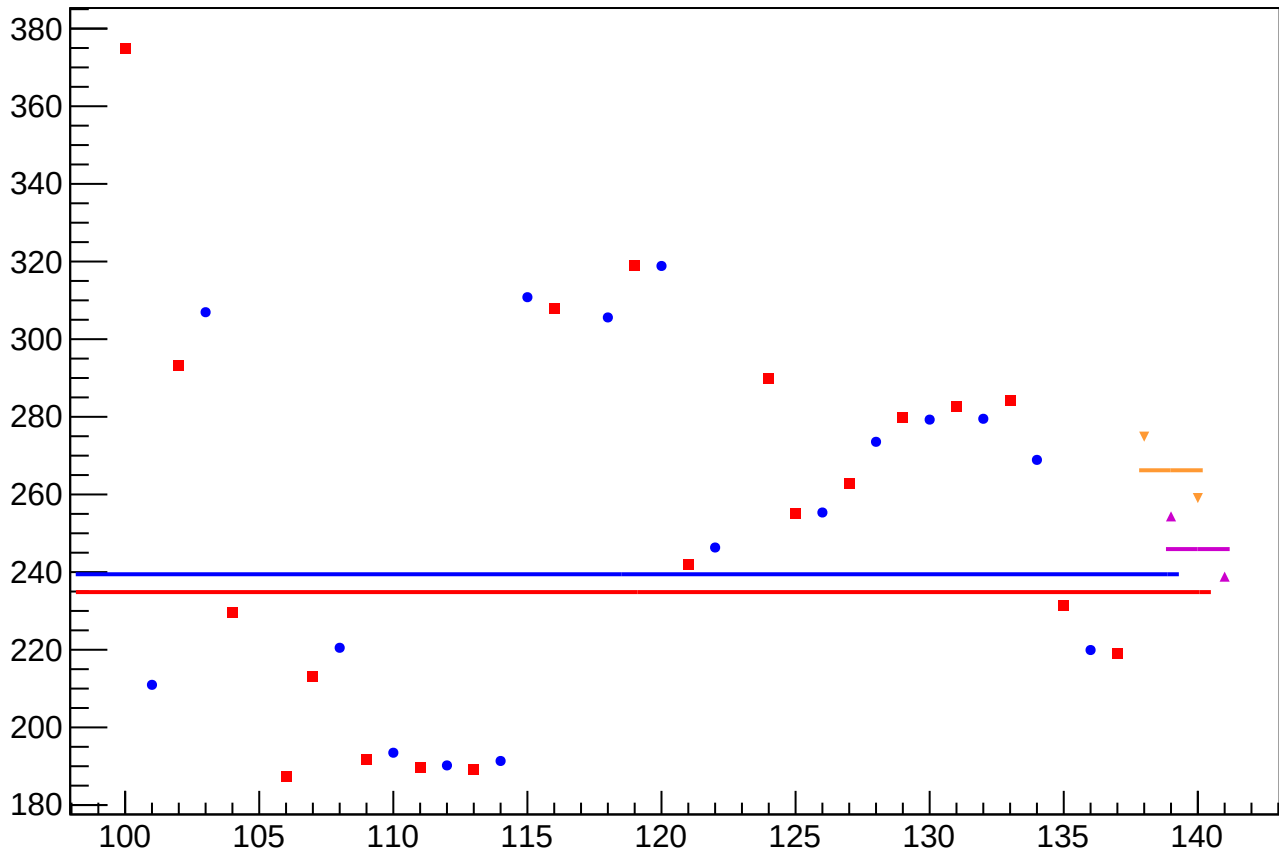
Left In: -119.716 ± 187.399 χ^2/NDF : 0.3/1

+ sign 86.204 ± 83.216 χ^2/NDF : 27.2/17

All: -66.914 ± 57.516 χ^2/NDF : 45.6/38

- sign -206.968 ± 79.586 χ^2/NDF : 11.9/20

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF : 400955.7/15

Left Out: 266.231+/-0.149 χ^2/NDF :2805.4/1

Right Out: 234.855+/-0.062 χ^2/NDF : 481715.3/18

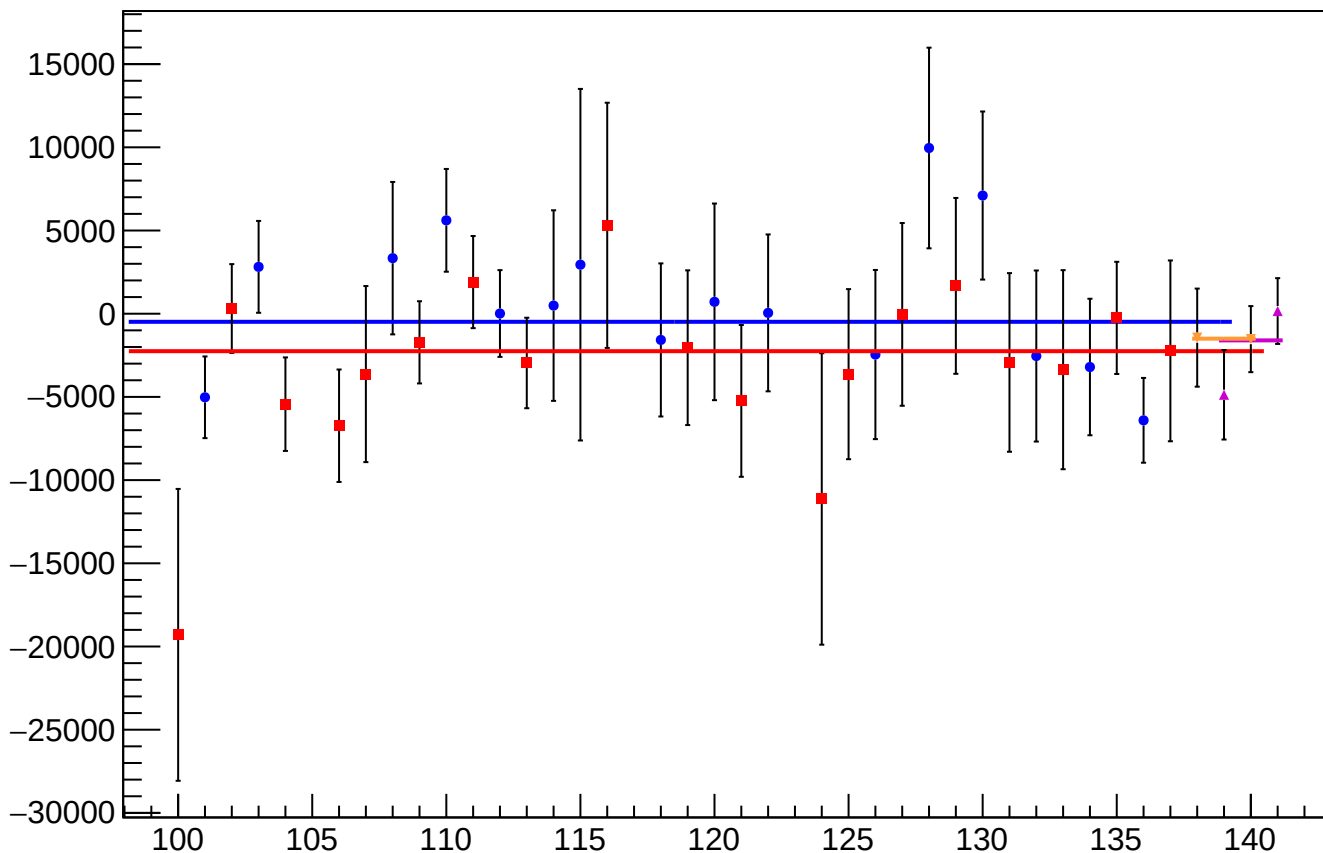
Left In: 245.933+/-0.133 χ^2/NDF :3406.3/1

+ sign 243.646+/-0.059 χ^2/NDF : 431136.4/17

All: 240.098+/-0.041 χ^2/NDF : 928947.7/38

- sign 236.853+/-0.056 χ^2/NDF : 490850.2/20

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2 /NDF: 21.1/15

Left Out: -1499.277+/-1646.691 χ^2 /NDF:0.0/1

Right Out: -2251.898+/-894.171 χ^2 /NDF: 13.9/18

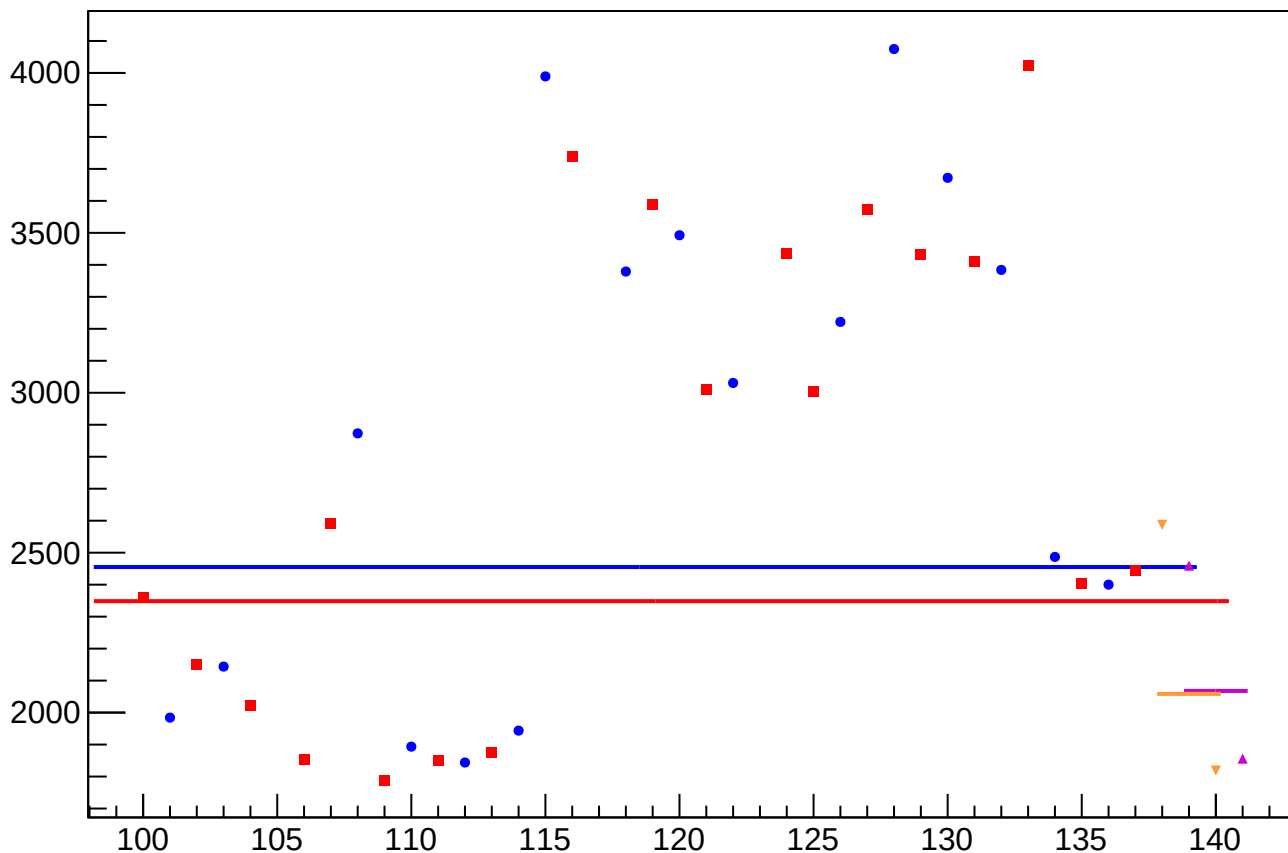
Left In: -1603.040+/-1593.239 χ^2 /NDF:2.3/1

+ sign -737.966+/-821.226 χ^2 /NDF: 21.4/17

All: -1452.383+/-565.465 χ^2 /NDF: 39.1/38

- sign -2096.477+/-779.761 χ^2 /NDF: 16.3/20

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF : 894389.6/15

Left Out: 2058.413+/-1.164 χ^2/NDF : 93497.8/1

Right Out: 2348.446+/-0.632 χ^2/NDF : 1052421.6/18

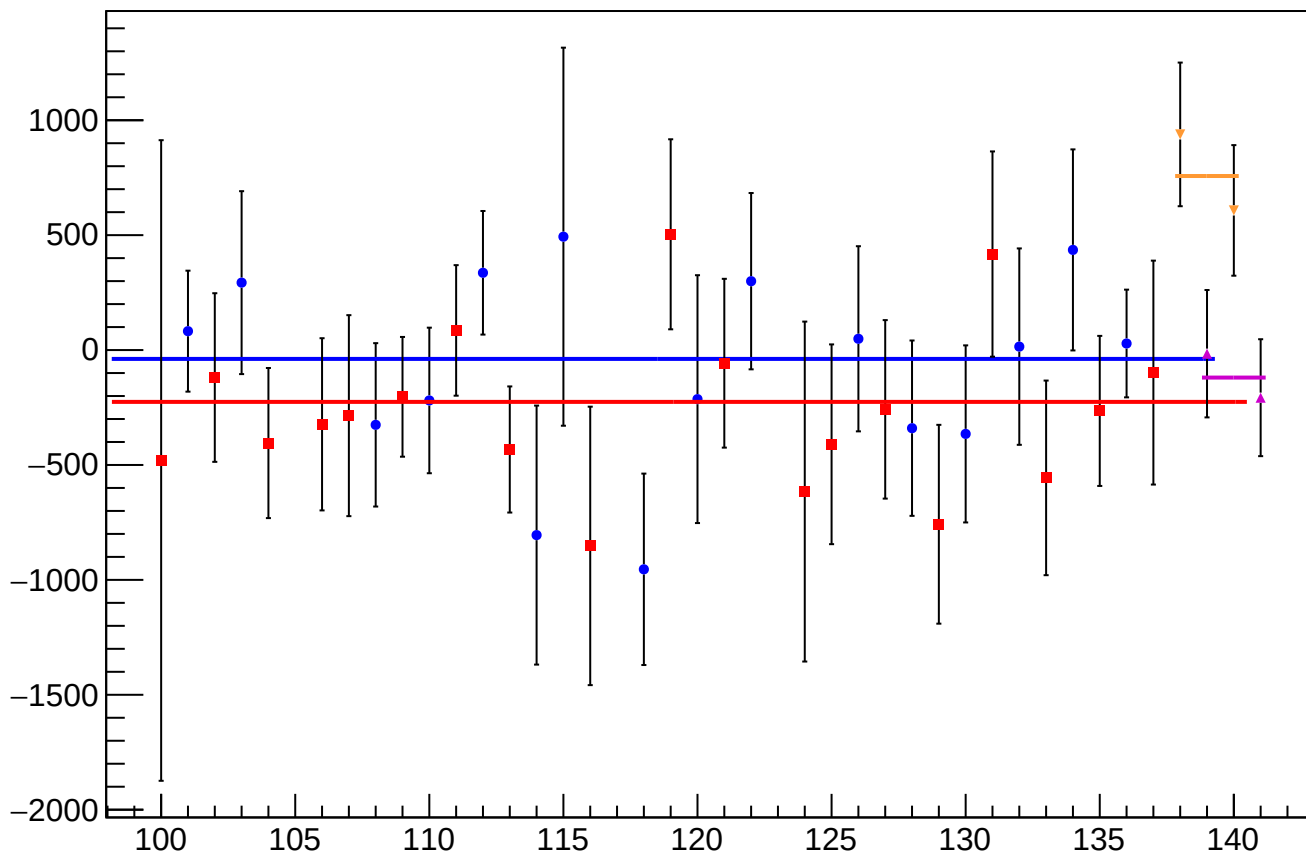
Left In: 2067.686+/-1.127 χ^2/NDF : 65304.5/1

+ sign 2356.440+/-0.581 χ^2/NDF : 1075086.8/17

All: 2316.870+/-0.400 χ^2/NDF : 2248872.7/38

- sign 2281.196+/-0.551 χ^2/NDF : 1164956.3/20

cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 757.296 ± 210.214 χ^2/NDF : 0.6/1

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

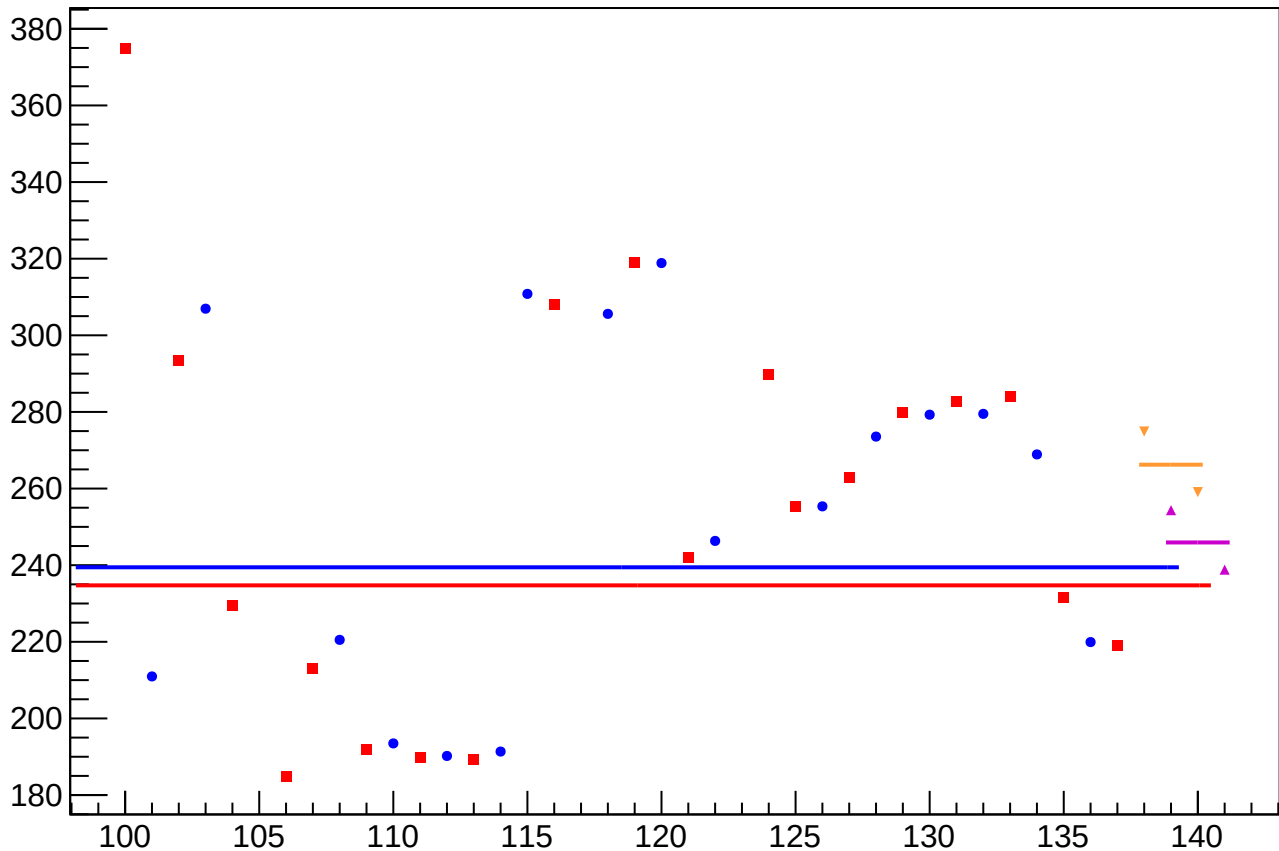
Left In: -119.738 ± 187.399 χ^2/NDF : 0.3/1

+ sign 86.191 ± 83.216 χ^2/NDF : 27.2/17

All: -66.622 ± 57.520 χ^2/NDF : 45.6/38

- sign -206.432 ± 79.597 χ^2/NDF : 11.9/20

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

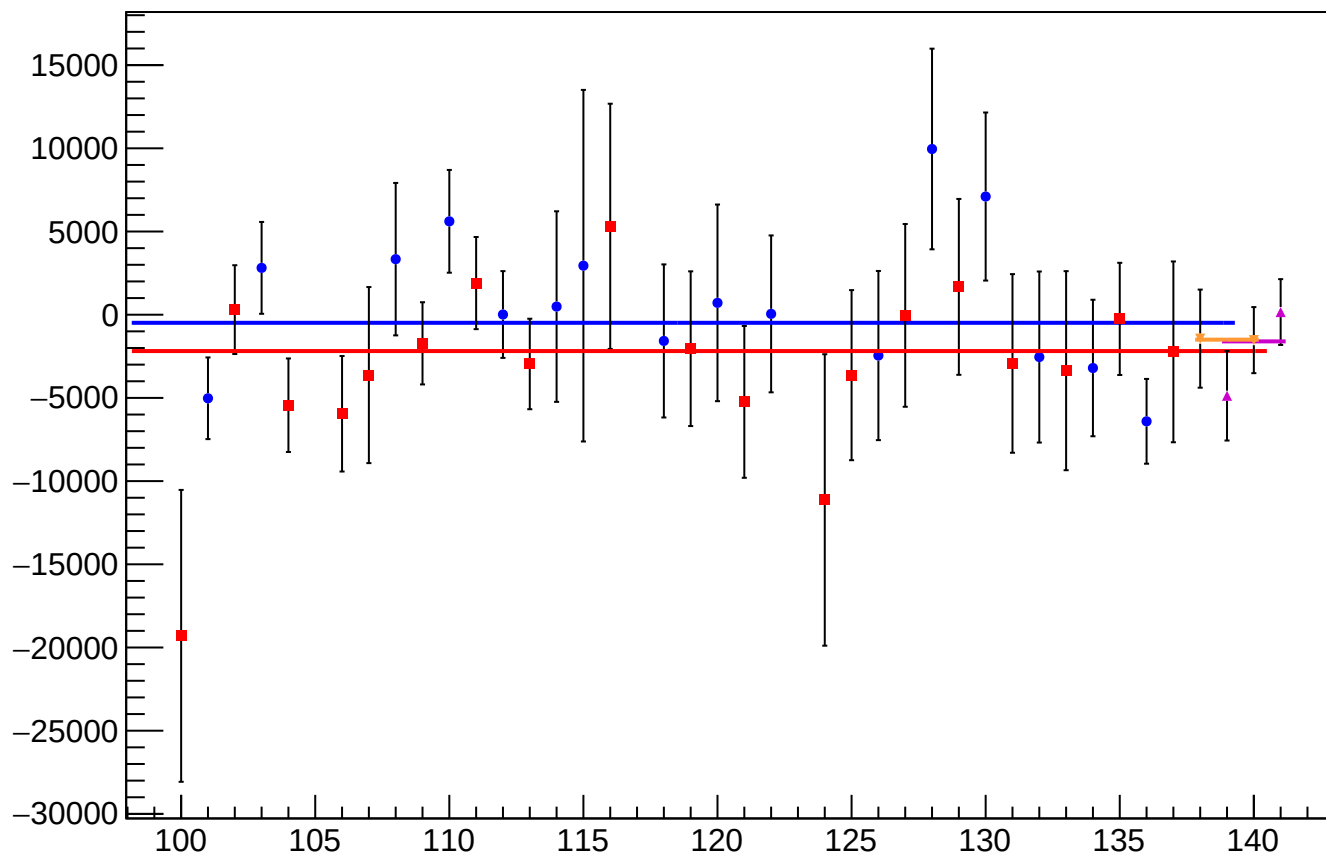
Left In: 245.933 $\pm$ 0.133 χ^2 /NDF:3406.3/1

+ sign 243.646 $\pm$ 0.059 χ^2 /NDF: 431138.6/17

All: 240.046 $\pm$ 0.041 χ^2 /NDF: 932803.4/38

- sign 236.753 $\pm$ 0.056 χ^2 /NDF: 494499.5/20

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF : 0.0/1

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

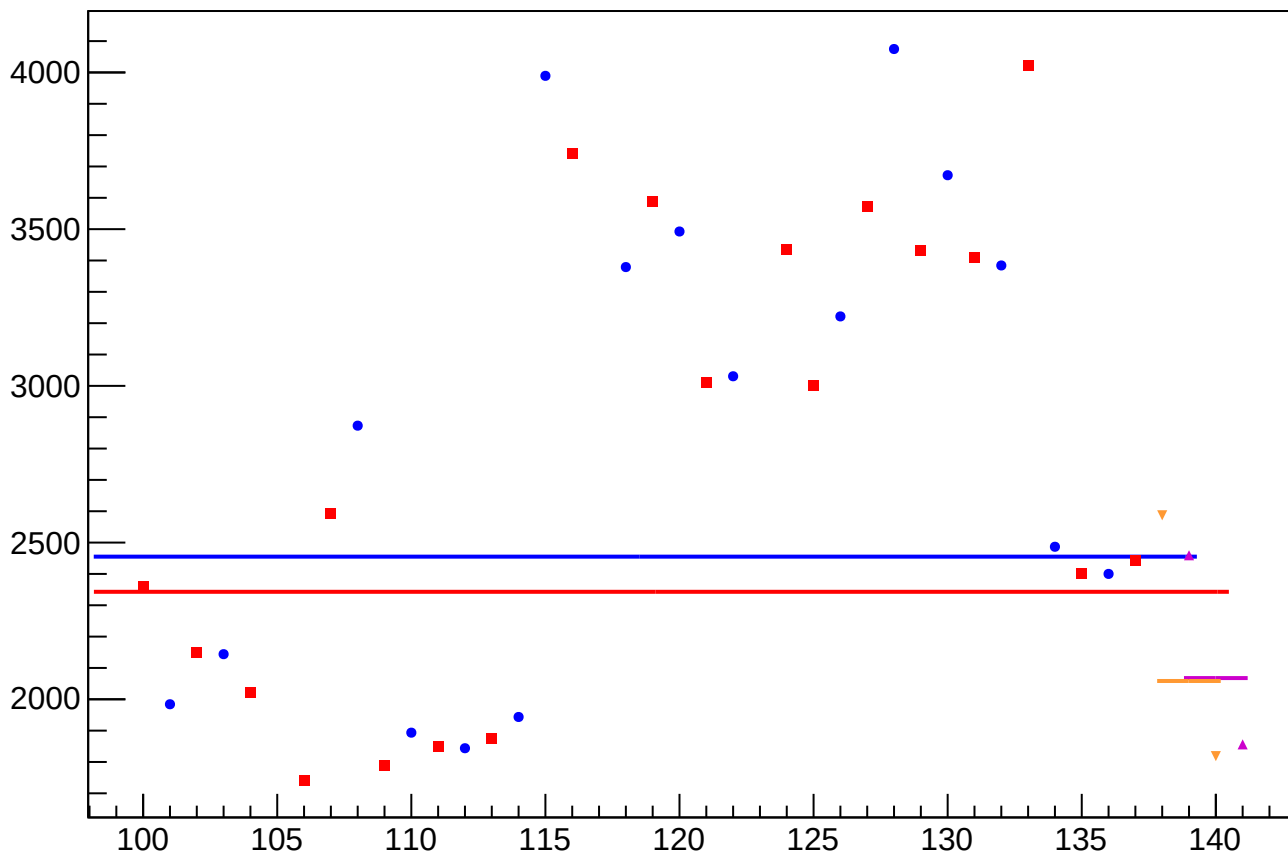
Left In: -1603.102+/-1593.240 χ^2/NDF : 2.3/1

+ sign -738.091+/-821.232 χ^2/NDF : 21.4/17

All: -1424.487+/-565.894 χ^2/NDF : 38.4/38

- sign -2045.091+/-780.882 χ^2/NDF : 15.6/20

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF : 93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

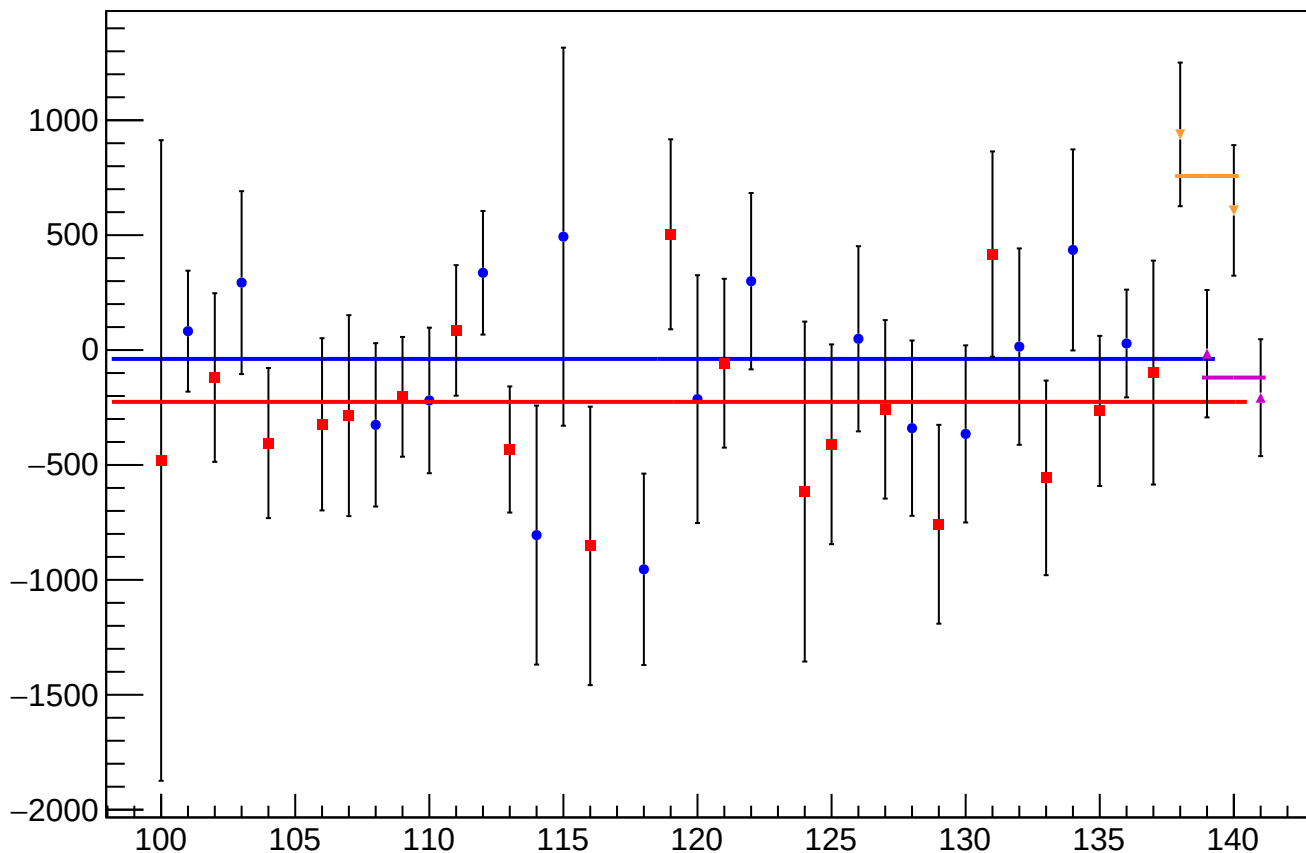
Left In: 2067.688+/-1.127 χ^2/NDF : 65303.5/1

+ sign 2356.457+/-0.581 χ^2/NDF : 1075066.6/17

All: 2314.640+/-0.400 χ^2/NDF : 2265991.5/38

- sign 2276.831+/-0.552 χ^2/NDF : 1181050.5/20

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 757.296 ± 210.214 χ^2/NDF : 0.6/1

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

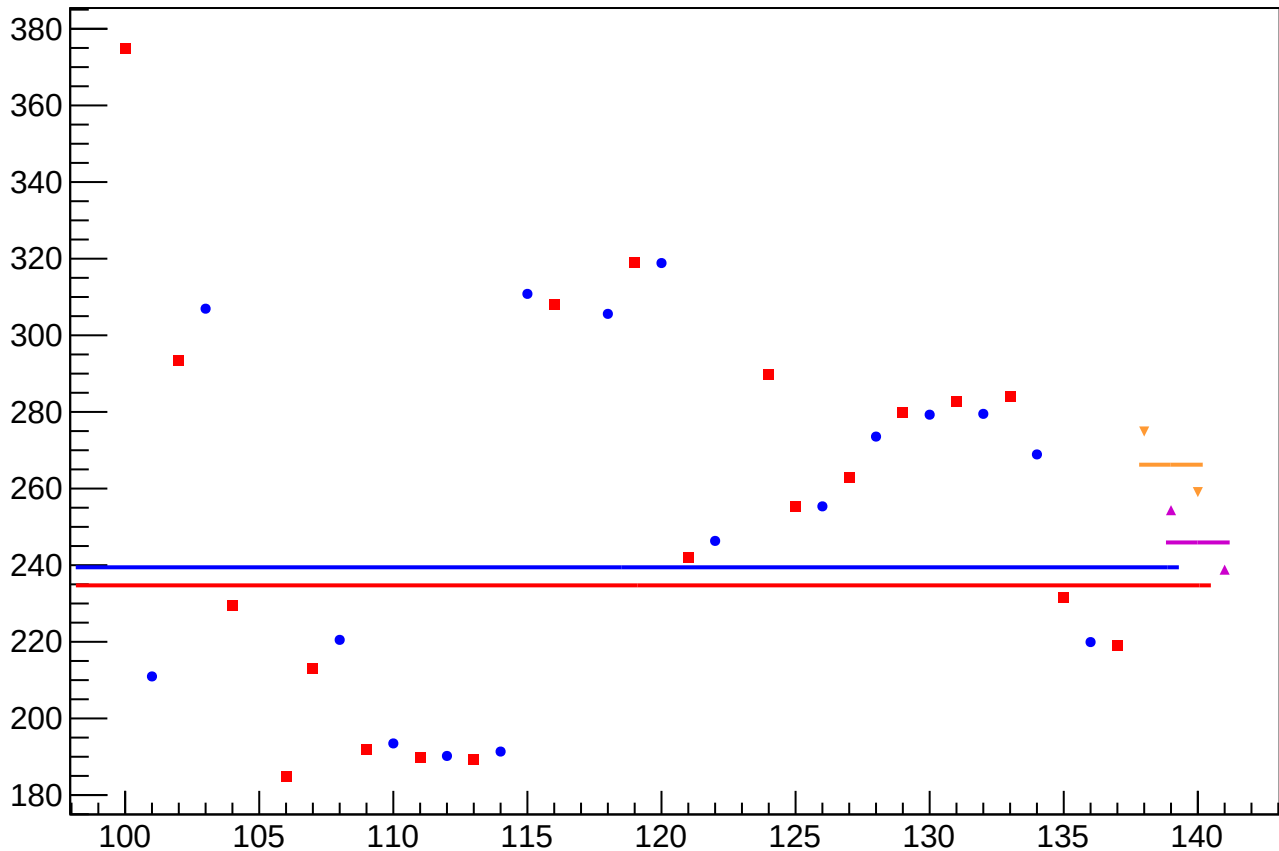
Left In: -119.738 ± 187.399 χ^2/NDF : 0.3/1

+ sign 86.191 ± 83.216 χ^2/NDF : 27.2/17

All: -66.622 ± 57.520 χ^2/NDF : 45.6/38

- sign -206.432 ± 79.597 χ^2/NDF : 11.9/20

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF : 400958.1/15

Left Out: 266.231+/-0.149 χ^2/NDF : 2805.4/1

Right Out: 234.733+/-0.062 χ^2/NDF : 485238.4/18

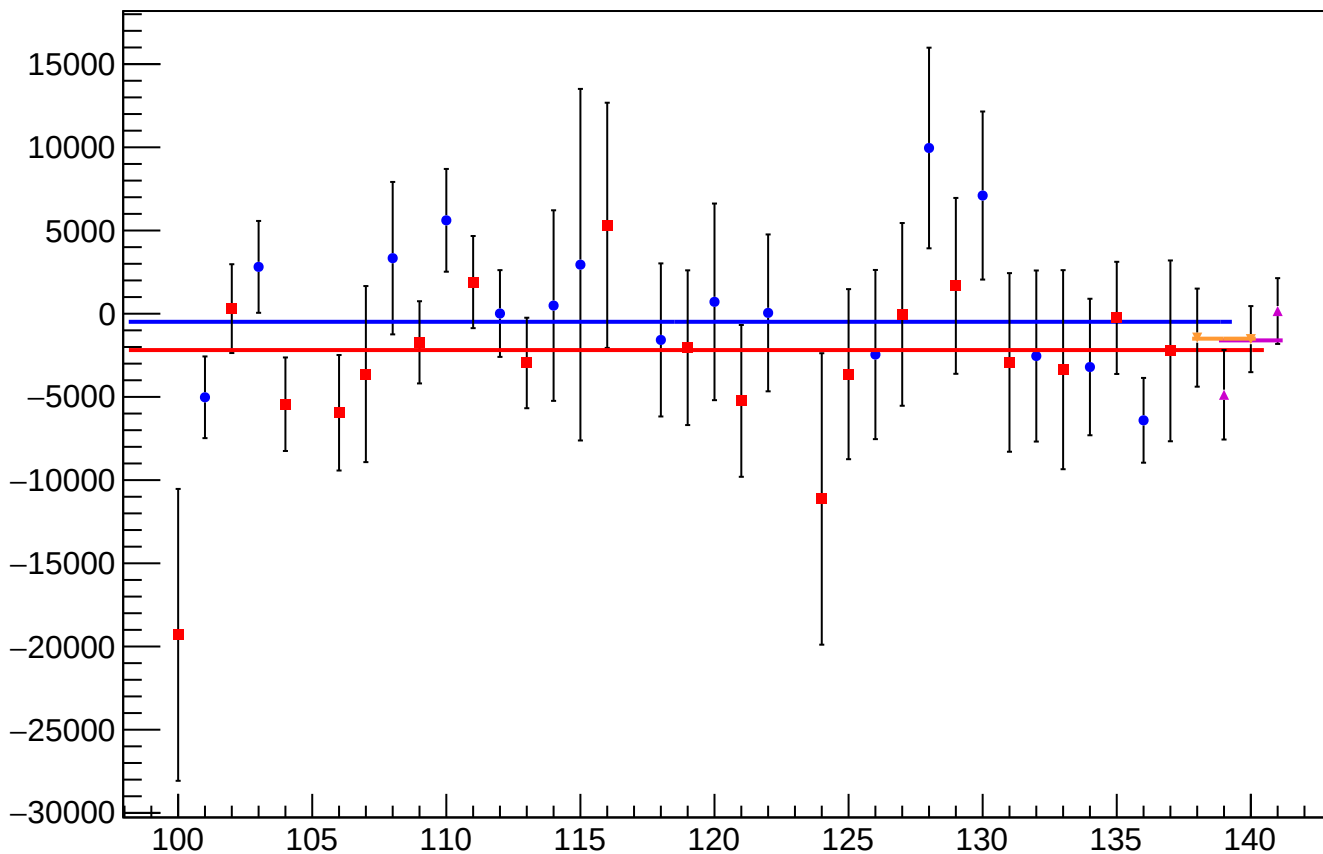
Left In: 245.933+/-0.133 χ^2/NDF : 3406.3/1

+ sign 243.646+/-0.059 χ^2/NDF : 431138.6/17

All: 240.046+/-0.041 χ^2/NDF : 932803.4/38

- sign 236.753+/-0.056 χ^2/NDF : 494499.5/20

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

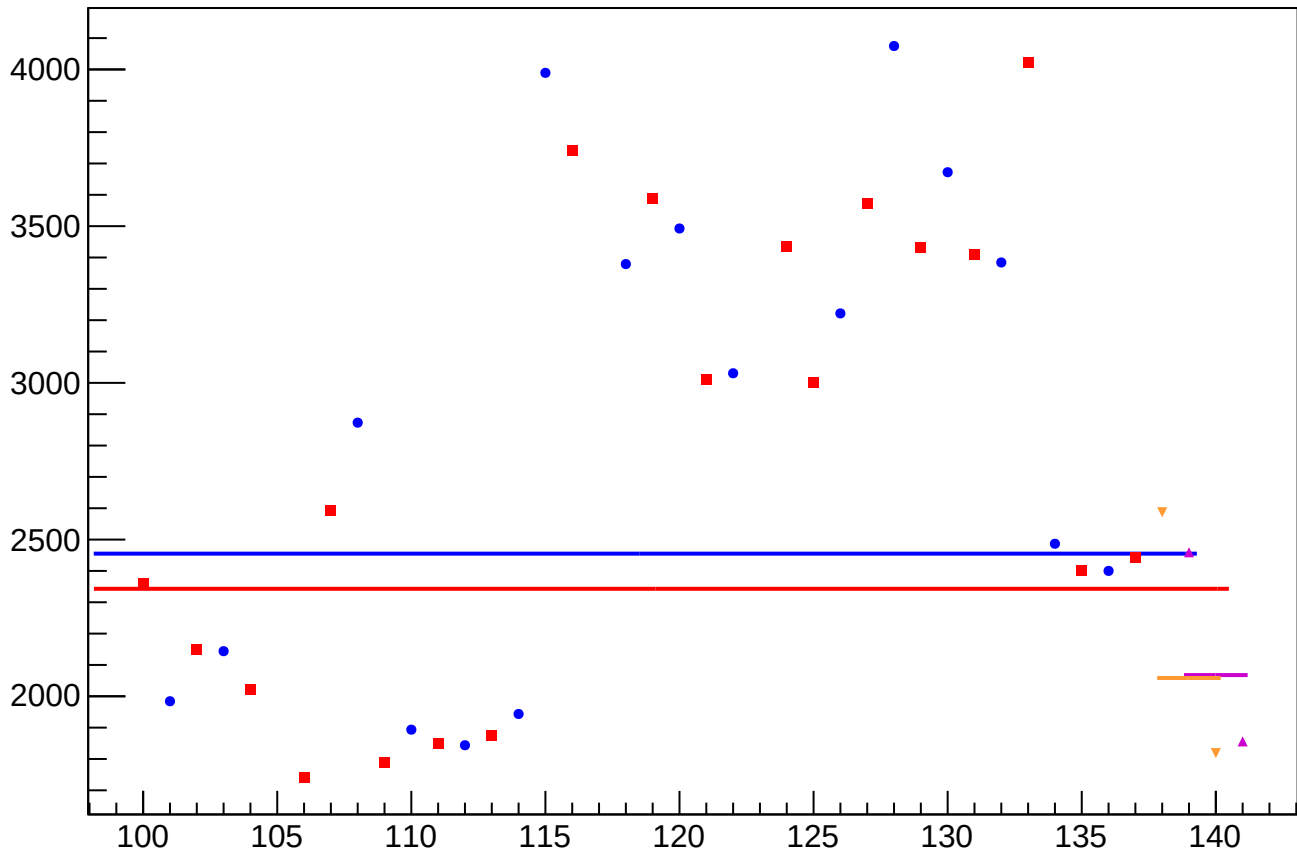
Left In: -1603.102+/-1593.240 χ^2/NDF : 2.3/1

+ sign -738.091+/-821.232 χ^2/NDF : 21.4/17

All: -1424.487+/-565.894 χ^2/NDF : 38.4/38

- sign -2045.091+/-780.882 χ^2/NDF : 15.6/20

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF : 93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

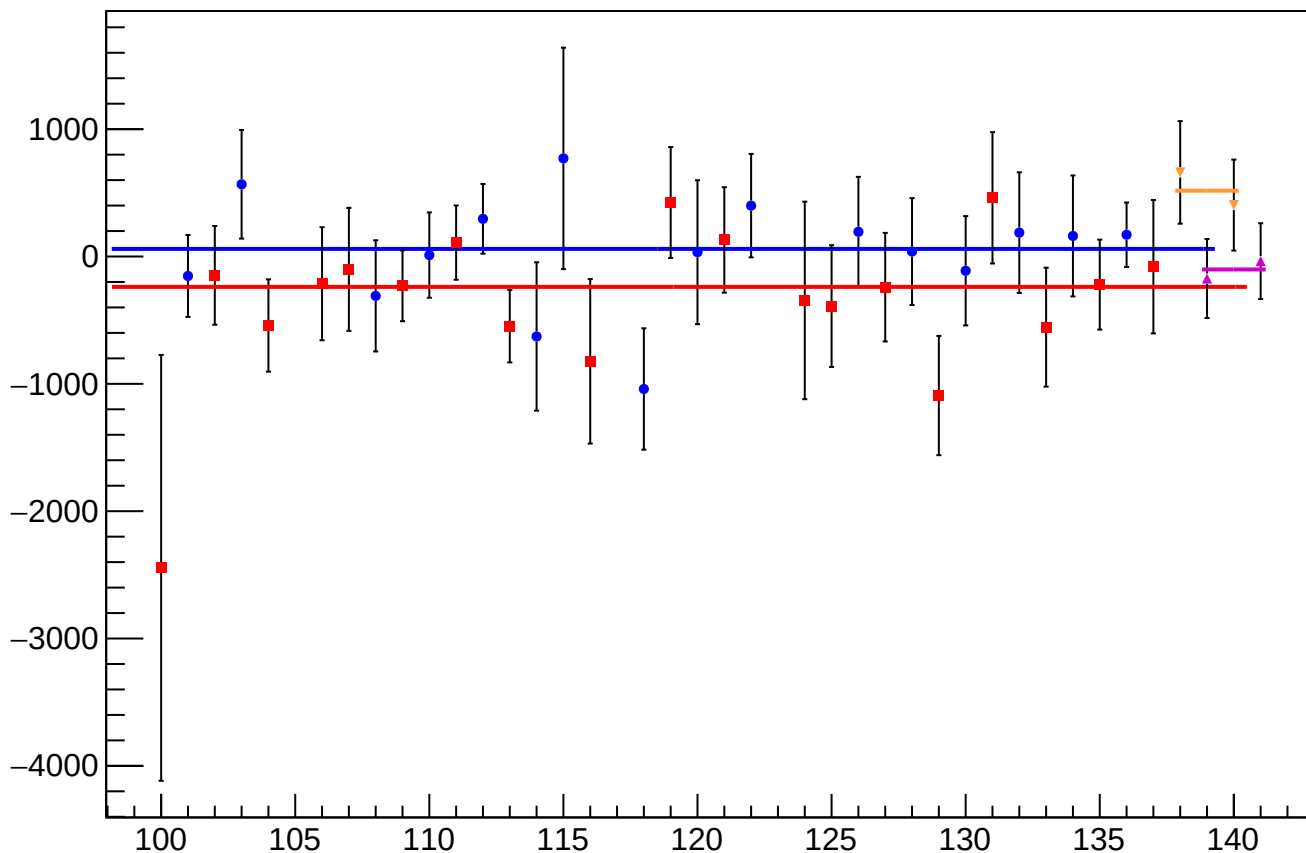
Left In: 2067.688+/-1.127 χ^2/NDF : 65303.5/1

+ sign 2356.457+/-0.581 χ^2/NDF : 1075066.6/17

All: 2314.640+/-0.400 χ^2/NDF : 2265991.5/38

- sign 2276.831+/-0.552 χ^2/NDF : 1181050.5/20

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

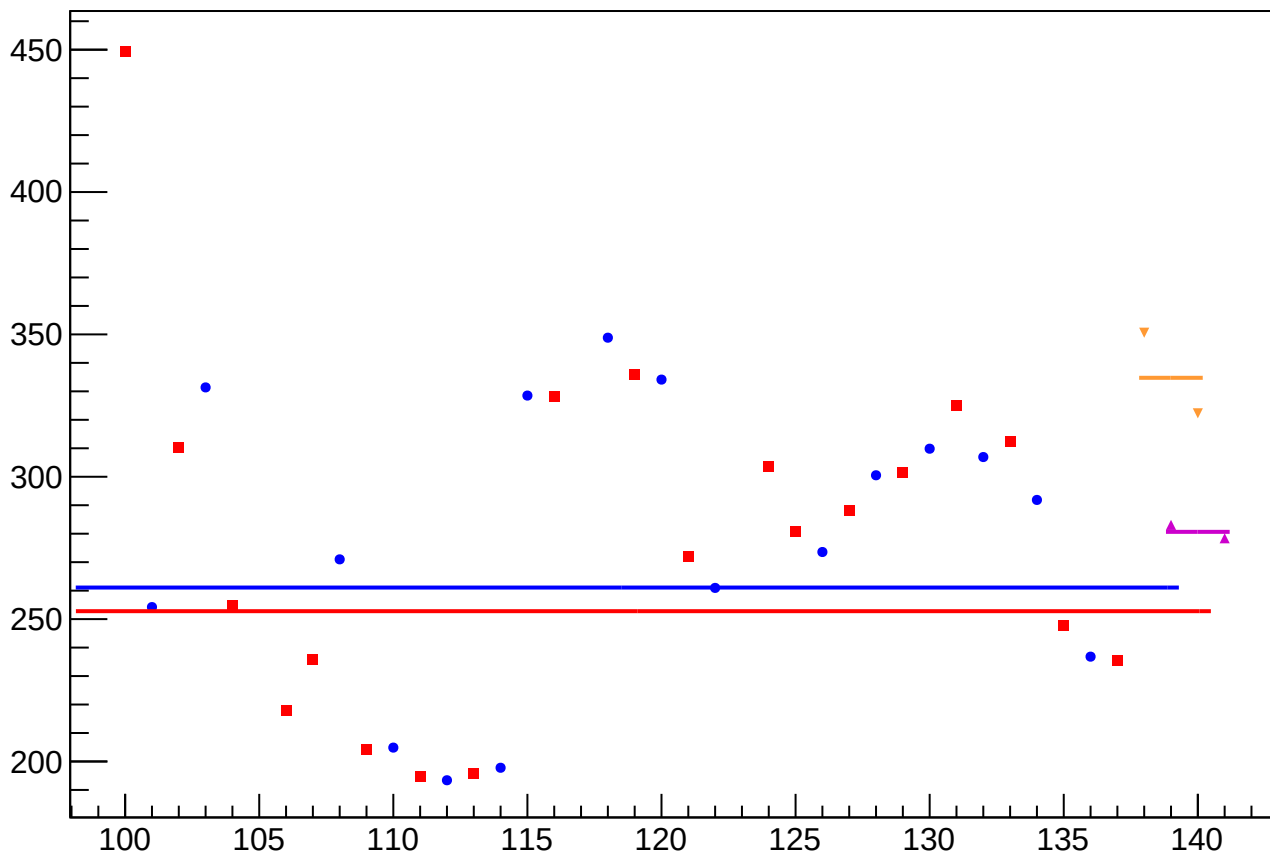
Left In: -101.581 $\pm$ 214.611 χ^2 /NDF: 0.1/1

+ sign 115.077 $\pm$ 93.028 χ^2 /NDF: 14.8/17

All: -61.722 $\pm$ 63.510 χ^2 /NDF: 36.9/38

- sign -216.055 $\pm$ 86.917 χ^2 /NDF: 15.4/20

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

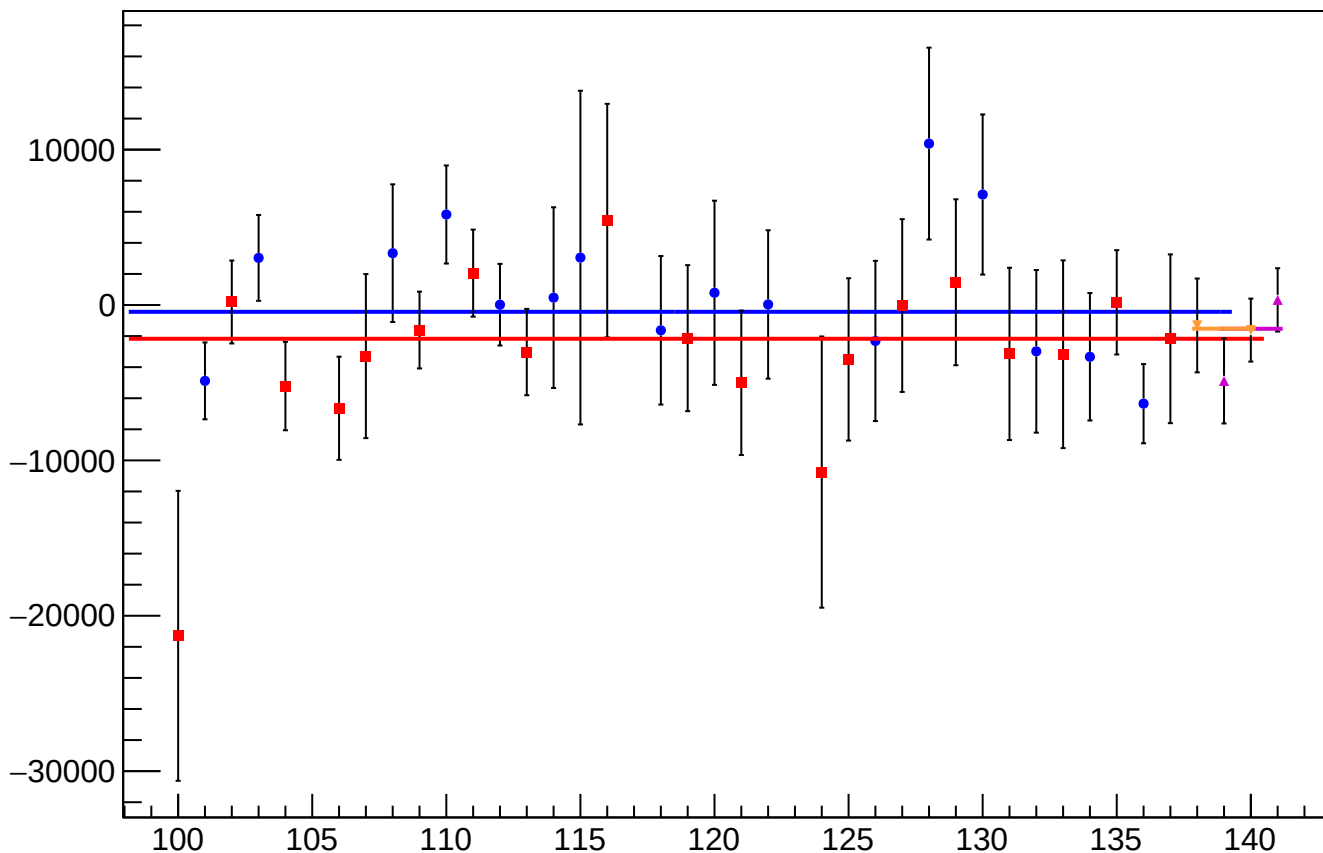
Left In: 280.649 $\pm$ 0.152 χ^2 /NDF:240.1/1

+ sign 270.009 $\pm$ 0.066 χ^2 /NDF: 601665.6/17

All: 263.254 $\pm$ 0.045 χ^2 /NDF: 1187127.4/38

- sign 257.357 $\pm$ 0.061 χ^2 /NDF: 565710.4/20

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF : 21.2/15

Left Out: -1522.036+/-1683.154 χ^2/NDF : 0.0/1

Right Out: -2172.091+/-901.102 χ^2/NDF : 14.0/18

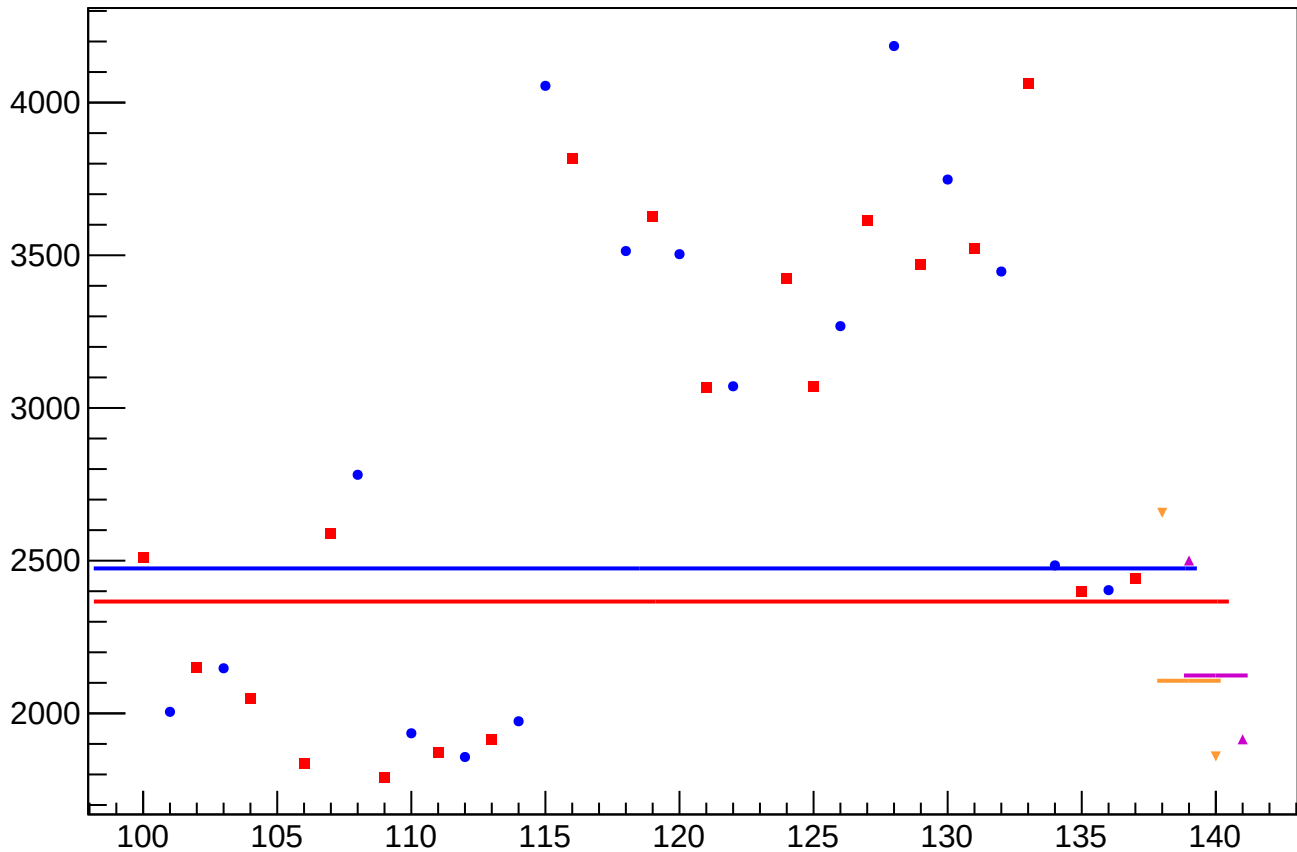
Left In: -1530.235+/-1634.774 χ^2/NDF : 2.3/1

+ sign -701.092+/-830.702 χ^2/NDF : 21.5/17

All: -1395.675+/-572.142 χ^2/NDF : 39.3/38

- sign -2022.519+/-789.157 χ^2/NDF : 16.4/20

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF : 916250.9/15

Left Out: 2106.847+/-1.190 χ^2/NDF : 96204.8/1

Right Out: 2366.221+/-0.637 χ^2/NDF : 1077175.3/18

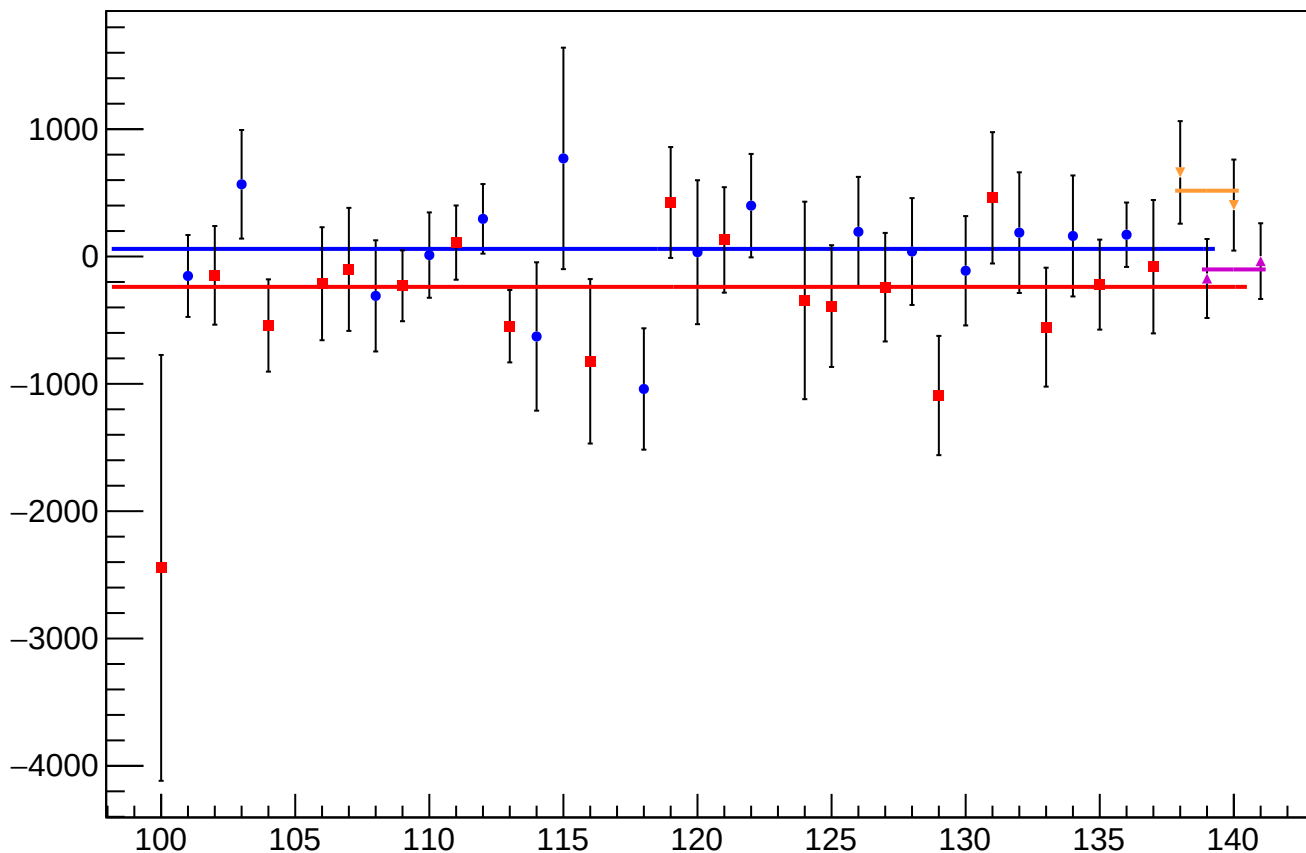
Left In: 2124.080+/-1.156 χ^2/NDF : 58876.3/1

+ sign 2385.039+/-0.587 χ^2/NDF : 1084684.3/17

All: 2345.488+/-0.405 χ^2/NDF : 2263014.6/38

- sign 2309.795+/-0.558 χ^2/NDF : 1169705.3/20

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734 ± 99.230 χ^2/NDF : 12.0/15

Left Out: 516.836 ± 267.341 χ^2/NDF : 0.2/1

Right Out: -238.515 ± 95.062 χ^2/NDF : 14.9/18

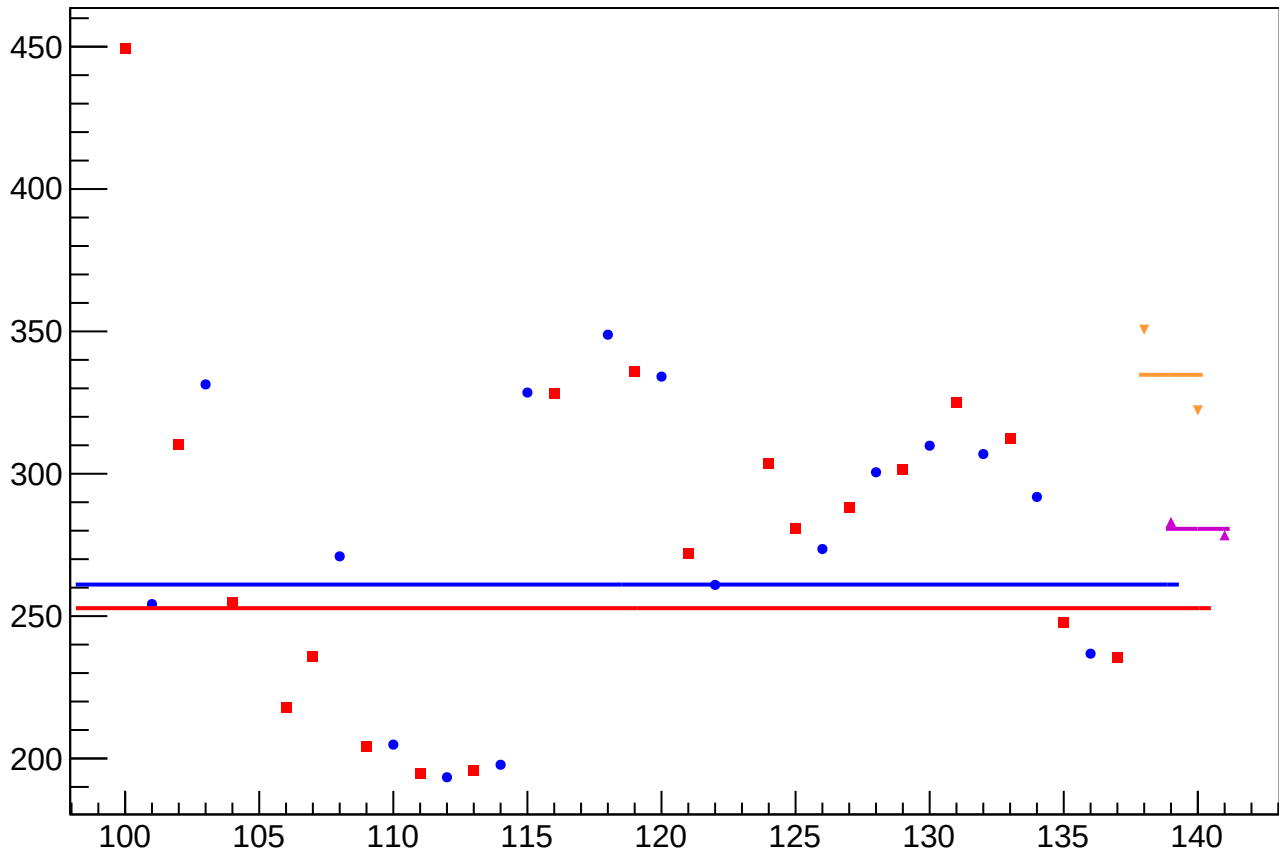
Left In: -101.578 ± 214.611 χ^2/NDF : 0.1/1

+ sign 115.083 ± 93.028 χ^2/NDF : 14.8/17

All: -61.719 ± 63.510 χ^2/NDF : 36.9/38

- sign -216.054 ± 86.917 χ^2/NDF : 15.4/20

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

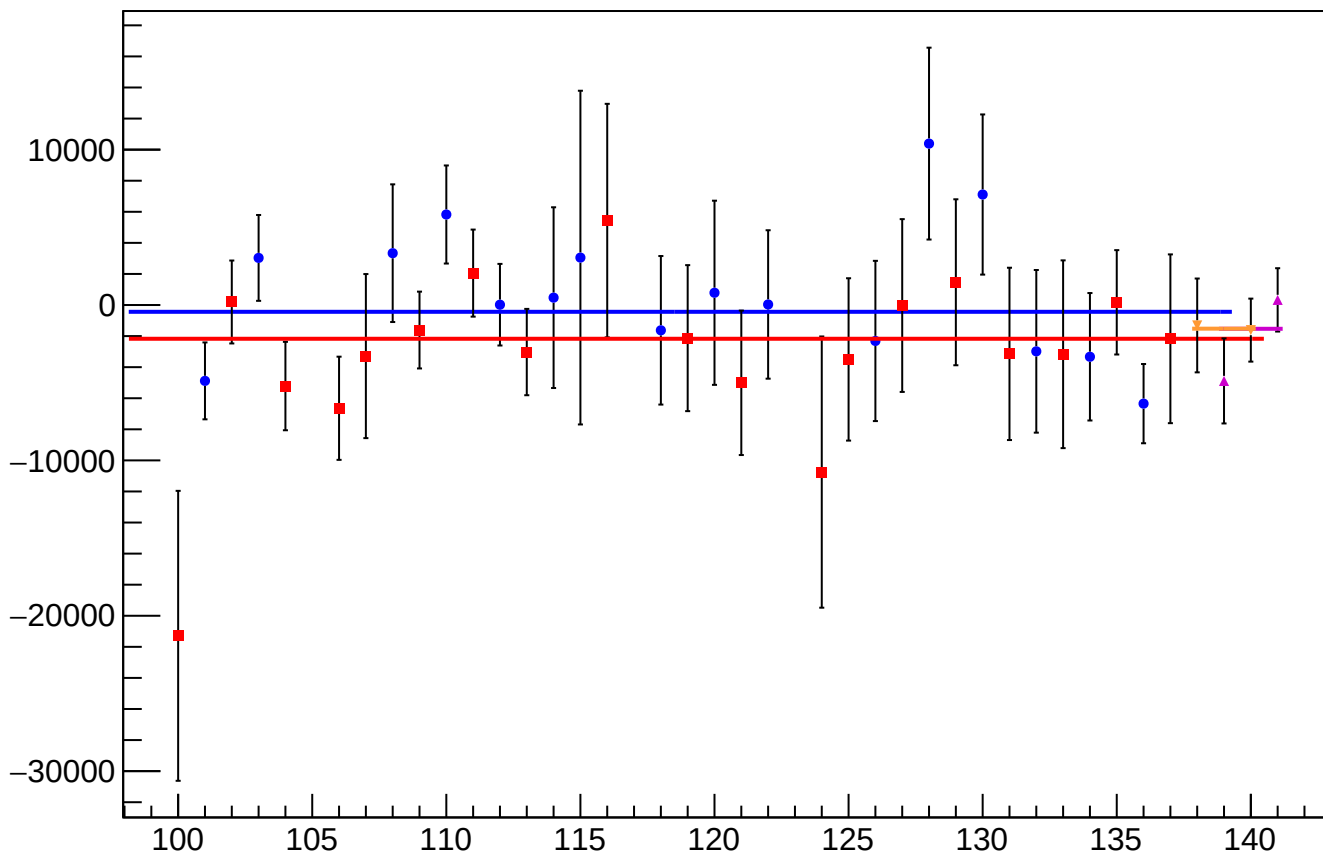
Left In: 280.649 $\pm$ 0.152 χ^2 /NDF:240.0/1

+ sign 270.009 $\pm$ 0.066 χ^2 /NDF: 601667.8/17

All: 263.254 $\pm$ 0.045 χ^2 /NDF: 1187132.7/38

- sign 257.357 $\pm$ 0.061 χ^2 /NDF: 565713.3/20

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

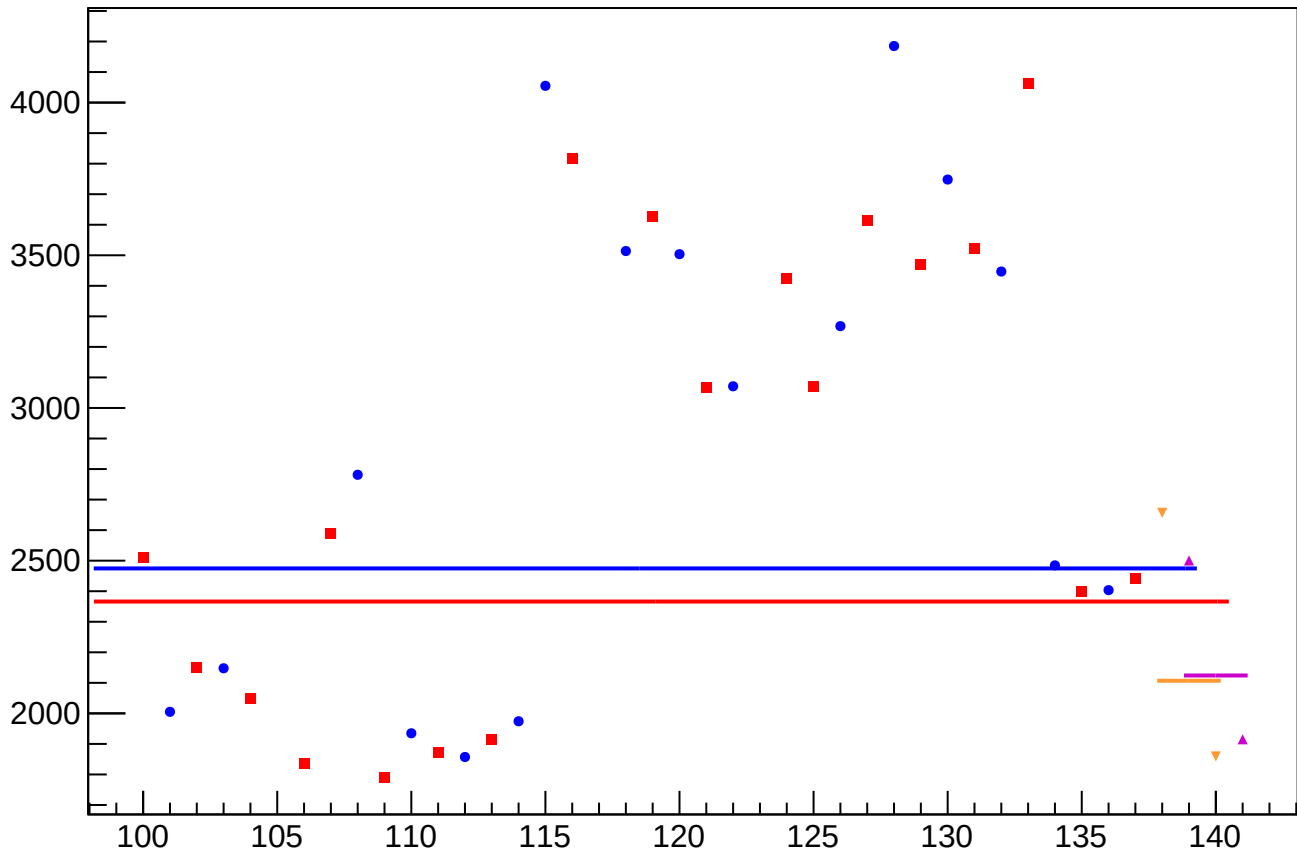
Left In: -1530.234 ± 1634.771 χ^2/NDF : 2.3/1

+ sign -701.090 ± 830.701 χ^2/NDF : 21.5/17

All: -1395.673 ± 572.141 χ^2/NDF : 39.3/38

- sign -2022.518 ± 789.156 χ^2/NDF : 16.4/20

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF : 916254.1/15

Left Out: 2106.842+/-1.190 χ^2/NDF : 96204.7/1

Right Out: 2366.219+/-0.637 χ^2/NDF : 1077177.7/18

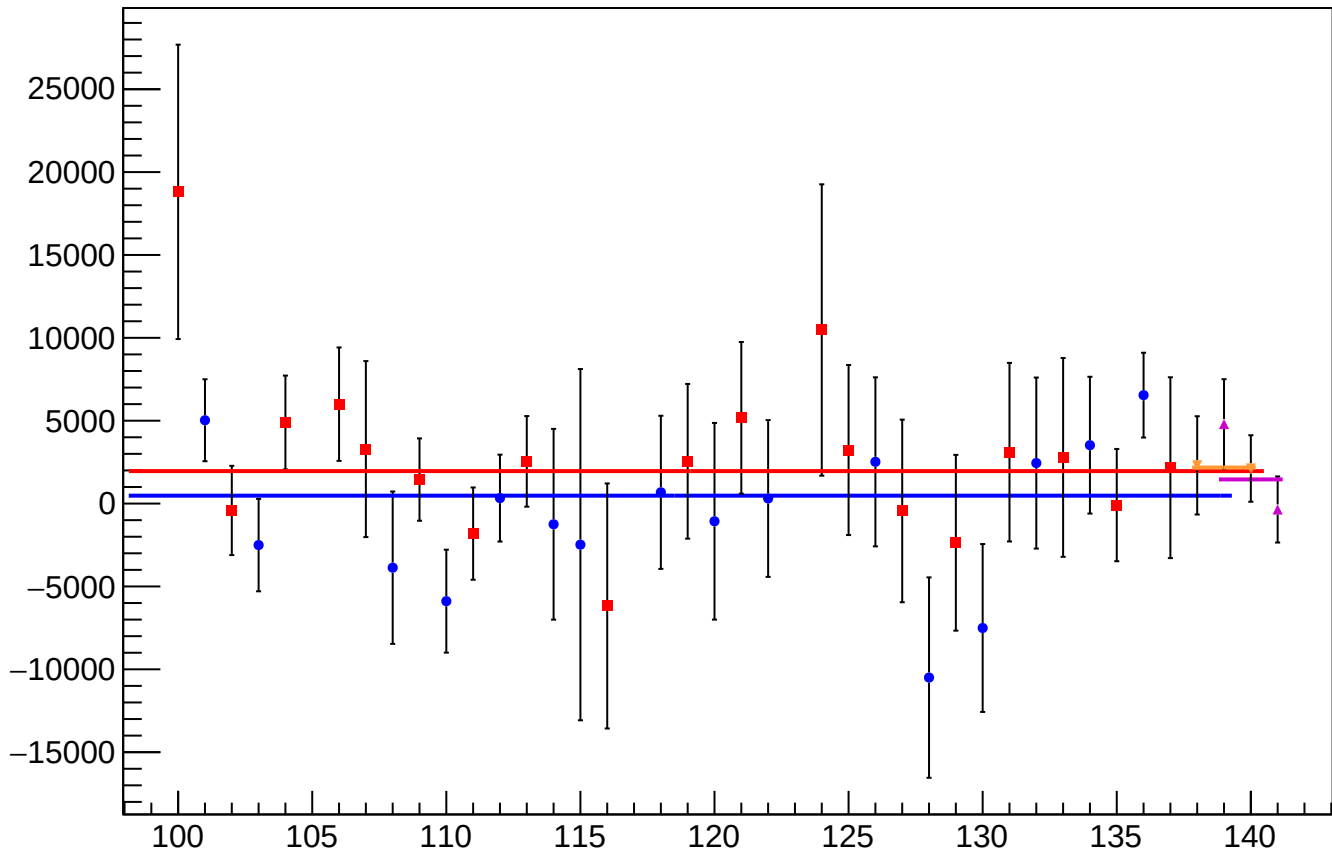
Left In: 2124.076+/-1.156 χ^2/NDF : 58877.0/1

+ sign 2385.036+/-0.587 χ^2/NDF : 1084689.2/17

All: 2345.486+/-0.405 χ^2/NDF : 2263023.3/38

- sign 2309.793+/-0.558 χ^2/NDF : 1169709.1/20

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF : 22.1/15

Left Out: 2175.480+/-1661.595 χ^2/NDF : 0.0/1

Right Out: 1959.491+/-899.702 χ^2/NDF : 12.8/18

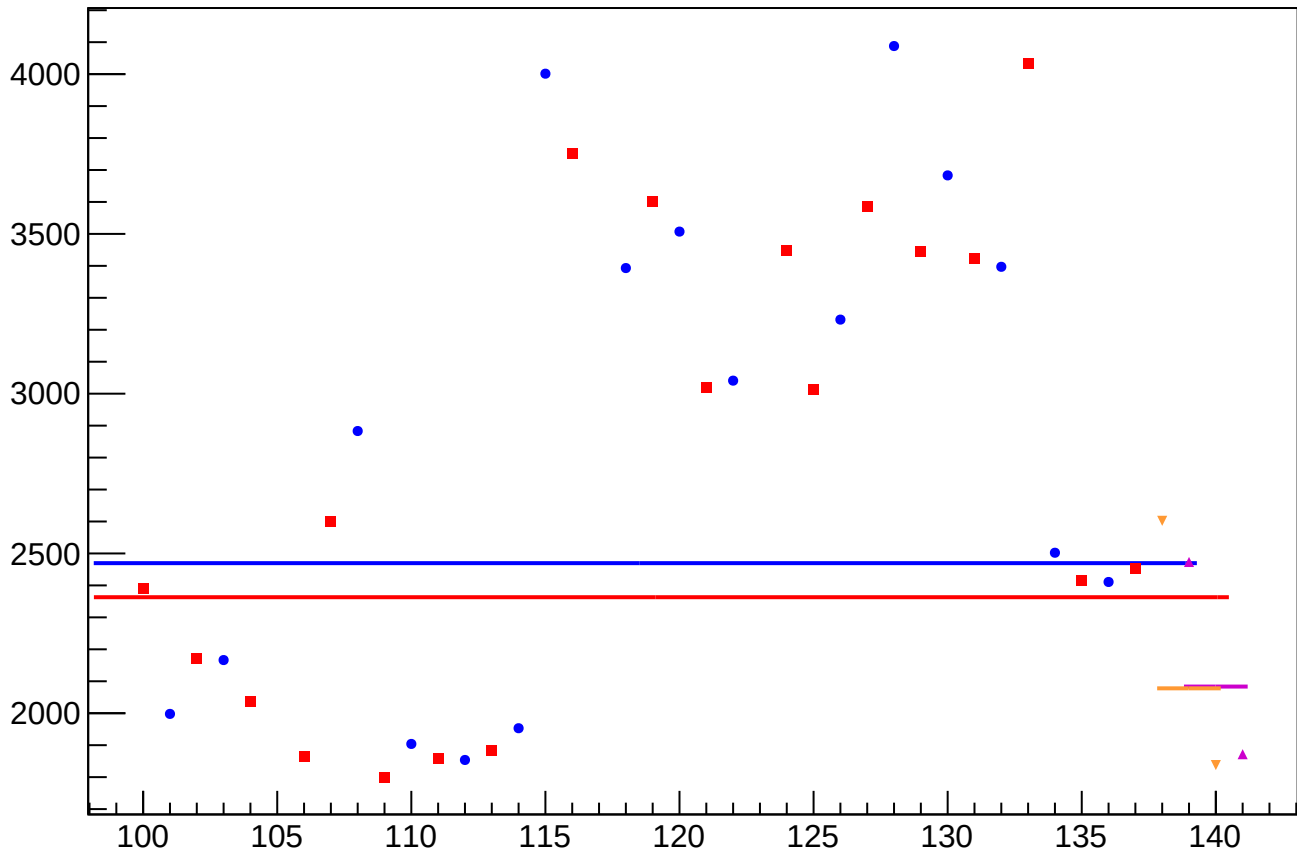
Left In: 1457.373+/-1604.971 χ^2/NDF : 2.4/1

+ sign 897.472+/-826.519 χ^2/NDF : 22.9/17

All: 1392.822+/-569.116 χ^2/NDF : 38.9/38

- sign 1839.432+/-784.804 χ^2/NDF : 15.3/20

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF : 886179.0/15

Left Out: 2077.870+/-1.175 χ^2/NDF : 91176.2/1

Right Out: 2363.052+/-0.636 χ^2/NDF : 1043344.3/18

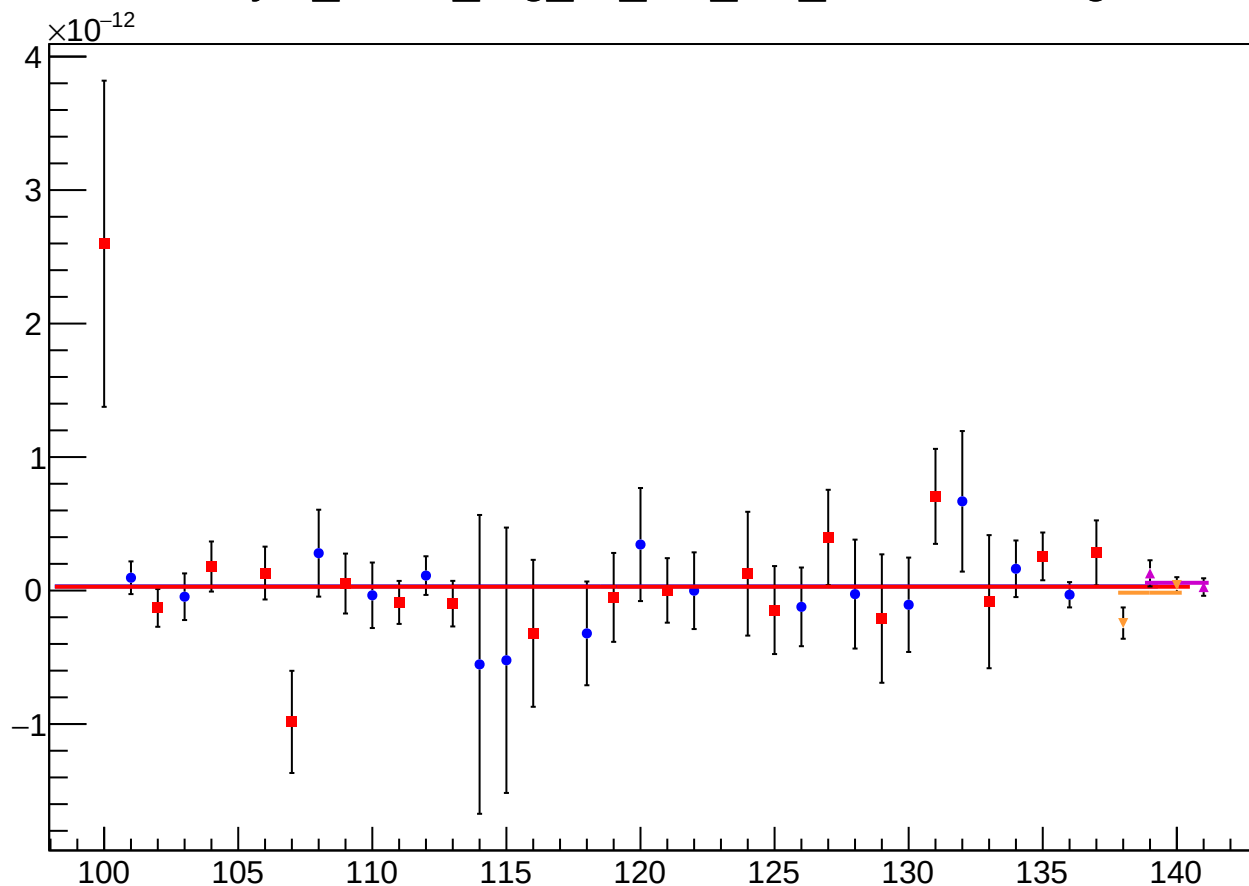
Left In: 2083.423+/-1.135 χ^2/NDF : 64087.5/1

+ sign 2372.703+/-0.584 χ^2/NDF : 1061028.1/17

All: 2332.468+/-0.402 χ^2/NDF : 2223666.6/38

- sign 2296.192+/-0.555 χ^2/NDF : 1153625.9/20

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6.1/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 4.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.2/18

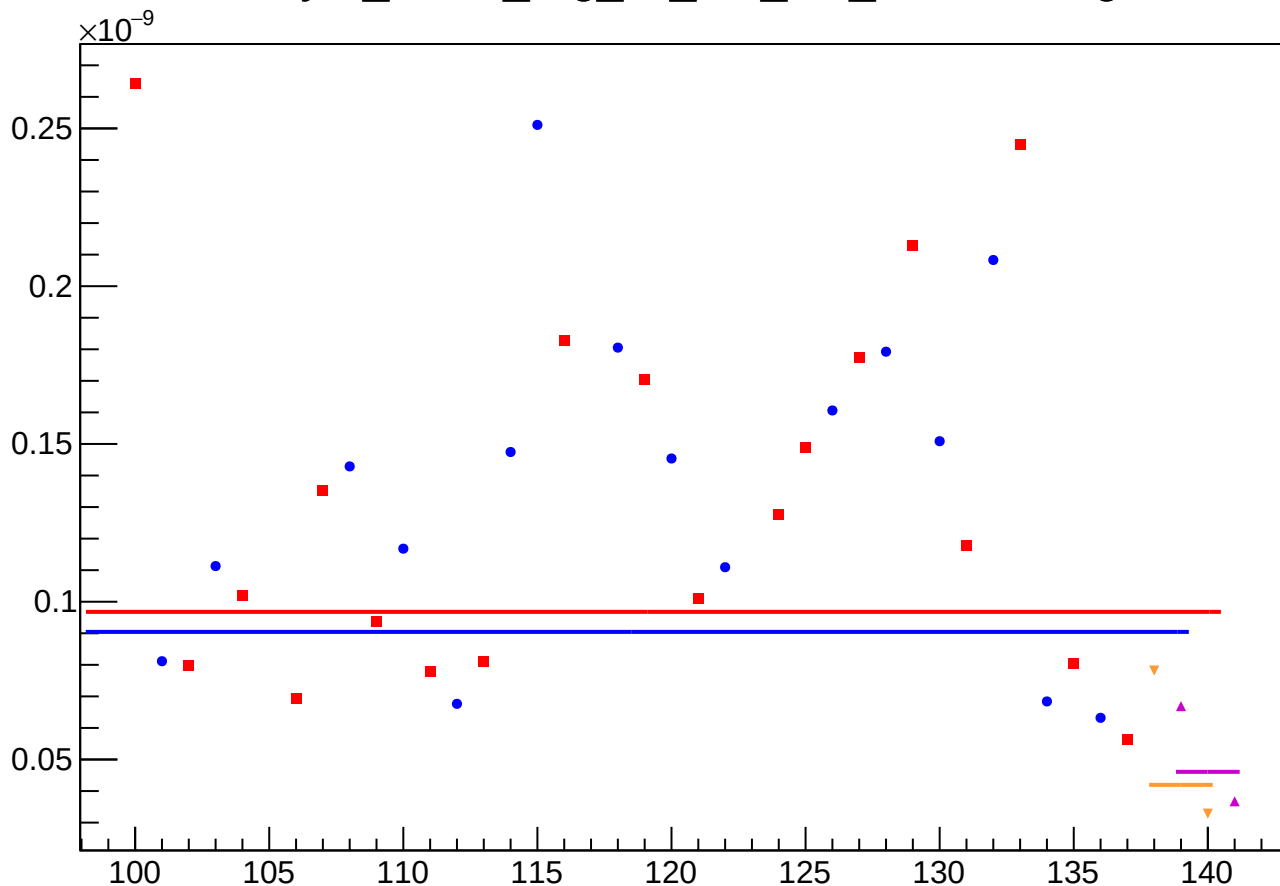
Left In: 0.000 ± 0.000 χ^2/NDF : 0.8/1

+ sign 0.000 ± 0.000 χ^2/NDF : 11.3/17

All: 0.000 ± 0.000 χ^2/NDF : 35.8/38

- sign 0.000 ± 0.000 χ^2/NDF : 24.1/20

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

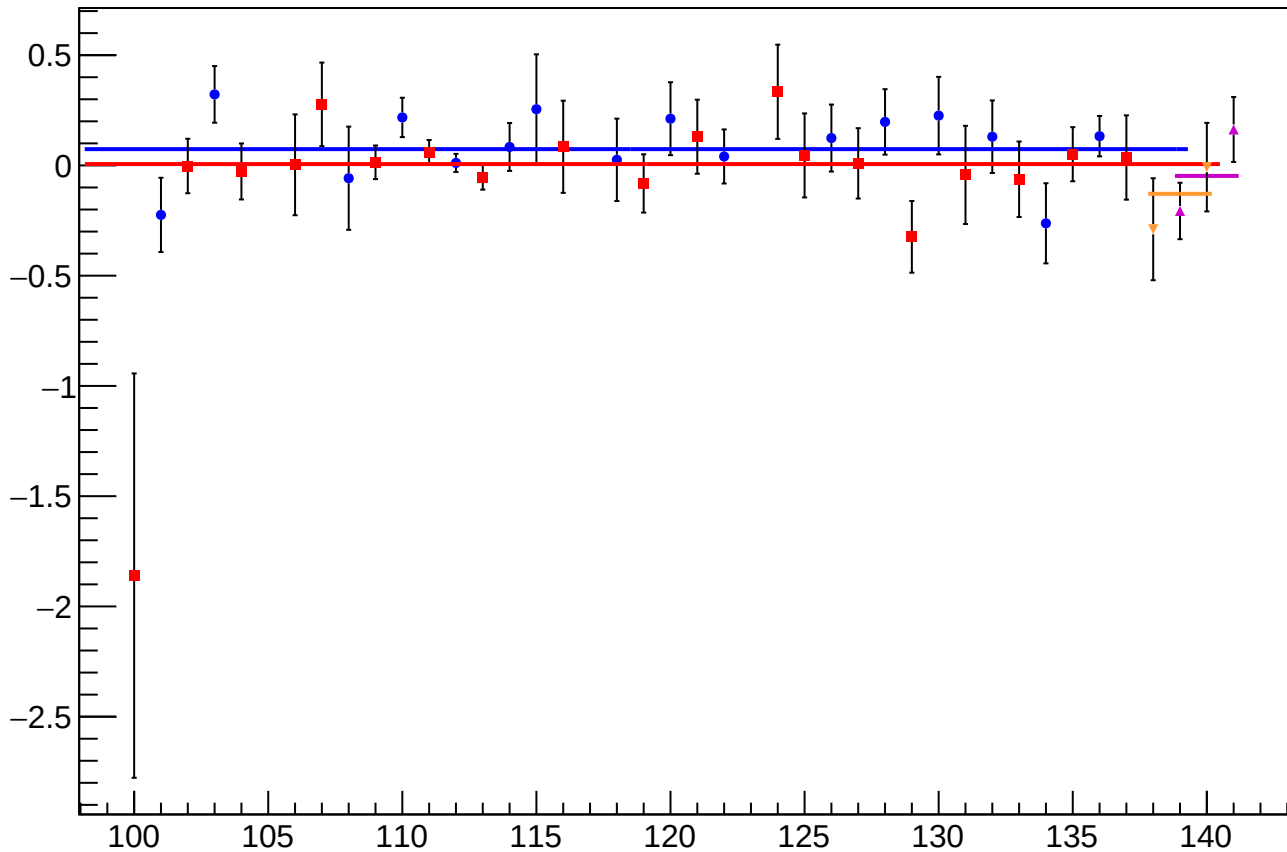
Left In: 0.000+/-0.000 χ^2/NDF : 130617.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2014862.6/17

All: 0.000+/-0.000 χ^2/NDF : 3853438.2/38

- sign 0.000+/-0.000 χ^2/NDF : 1824159.5/20

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 χ^2/NDF : 19.0/15

Left Out: -0.129 ± 0.152 χ^2/NDF : 0.8/1

Right Out: 0.006 ± 0.027 χ^2/NDF : 16.4/18

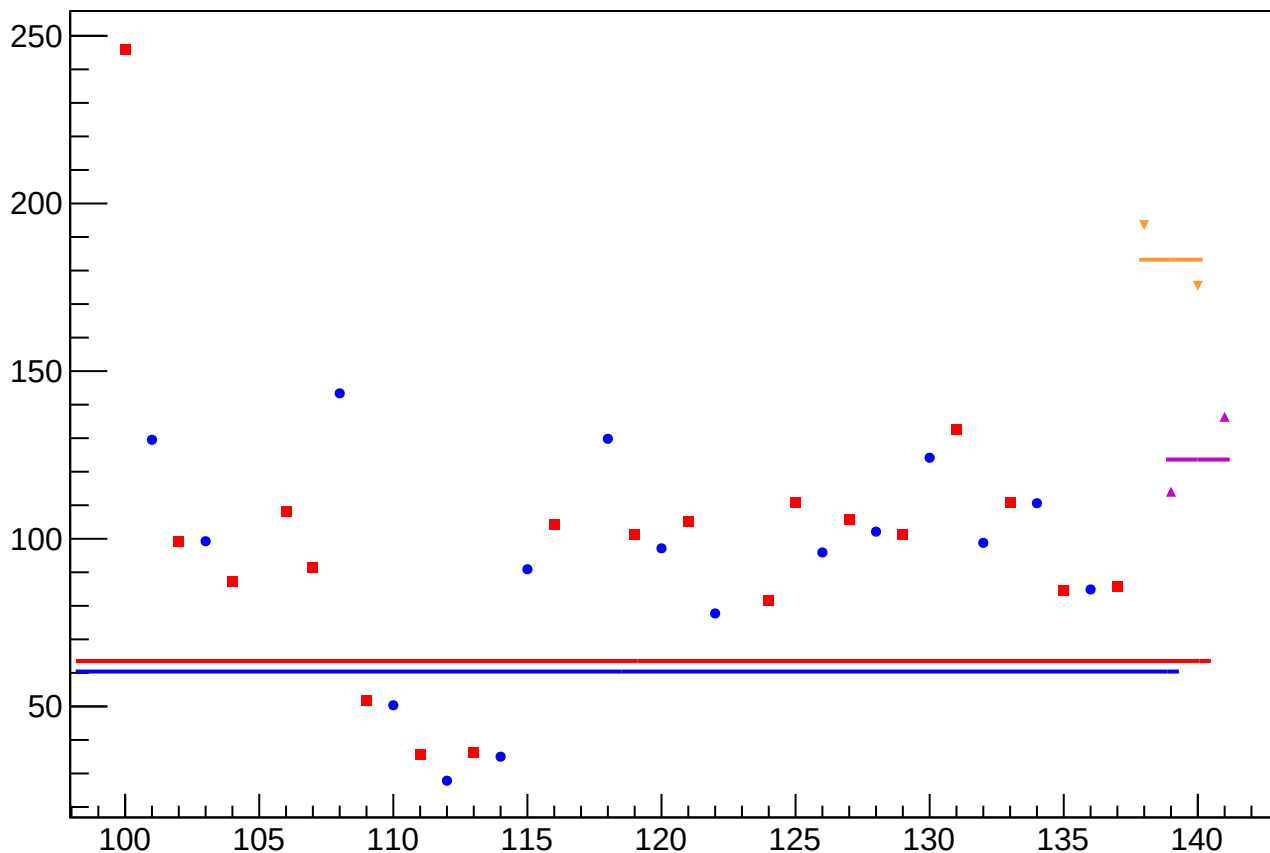
Left In: -0.048 ± 0.097 χ^2/NDF : 3.6/1

+ sign 0.068 ± 0.027 χ^2/NDF : 21.6/17

All: 0.034 ± 0.019 χ^2/NDF : 44.9/38

- sign 0.002 ± 0.026 χ^2/NDF : 20.3/20

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF : 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF : 6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF : 2654516.9/18

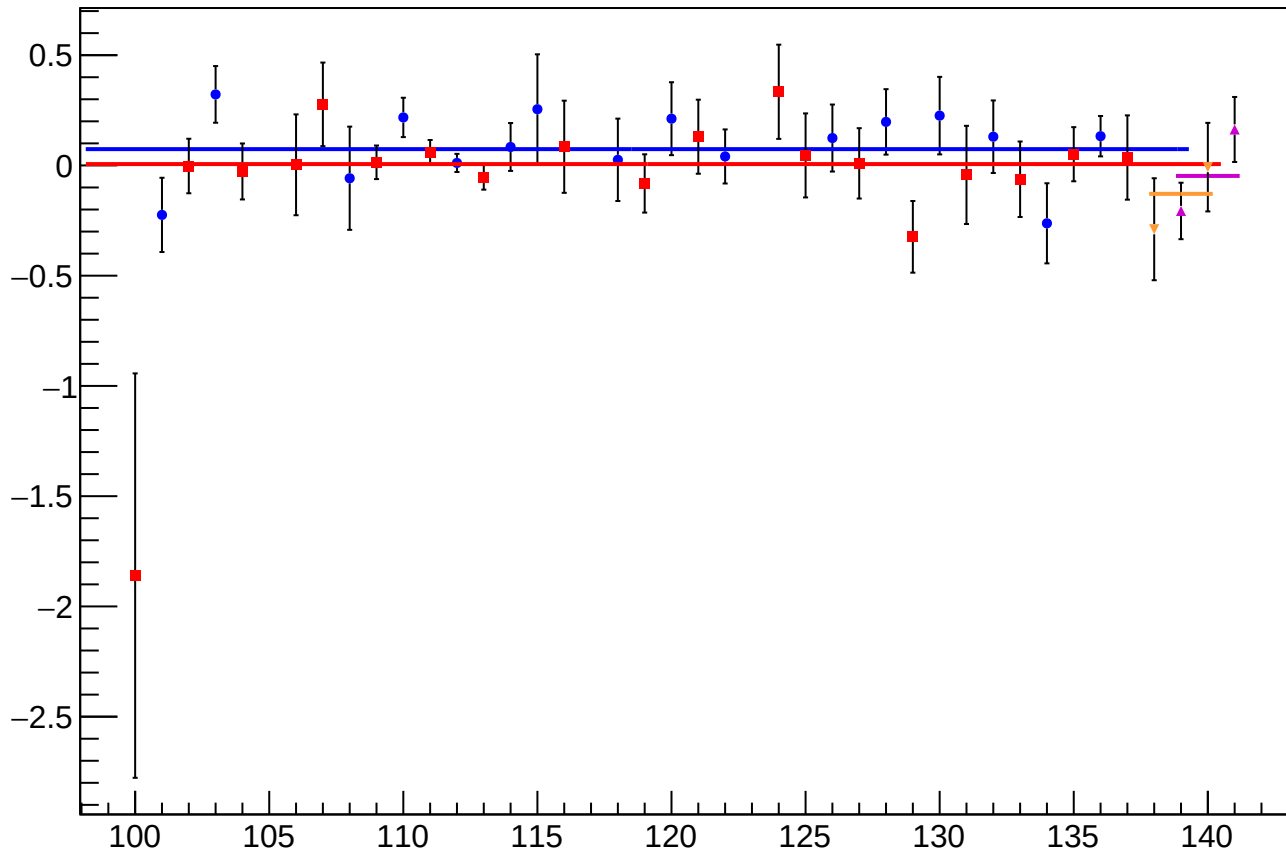
Left In: 123.642+/-0.068 χ^2/NDF : 26197.1/1

+ sign 64.180+/-0.019 χ^2/NDF : 4817480.6/17

All: 66.068+/-0.013 χ^2/NDF : 8235526.9/38

- sign 67.852+/-0.018 χ^2/NDF : 3398445.1/20

asym_sam4_dit_vs_eigen_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

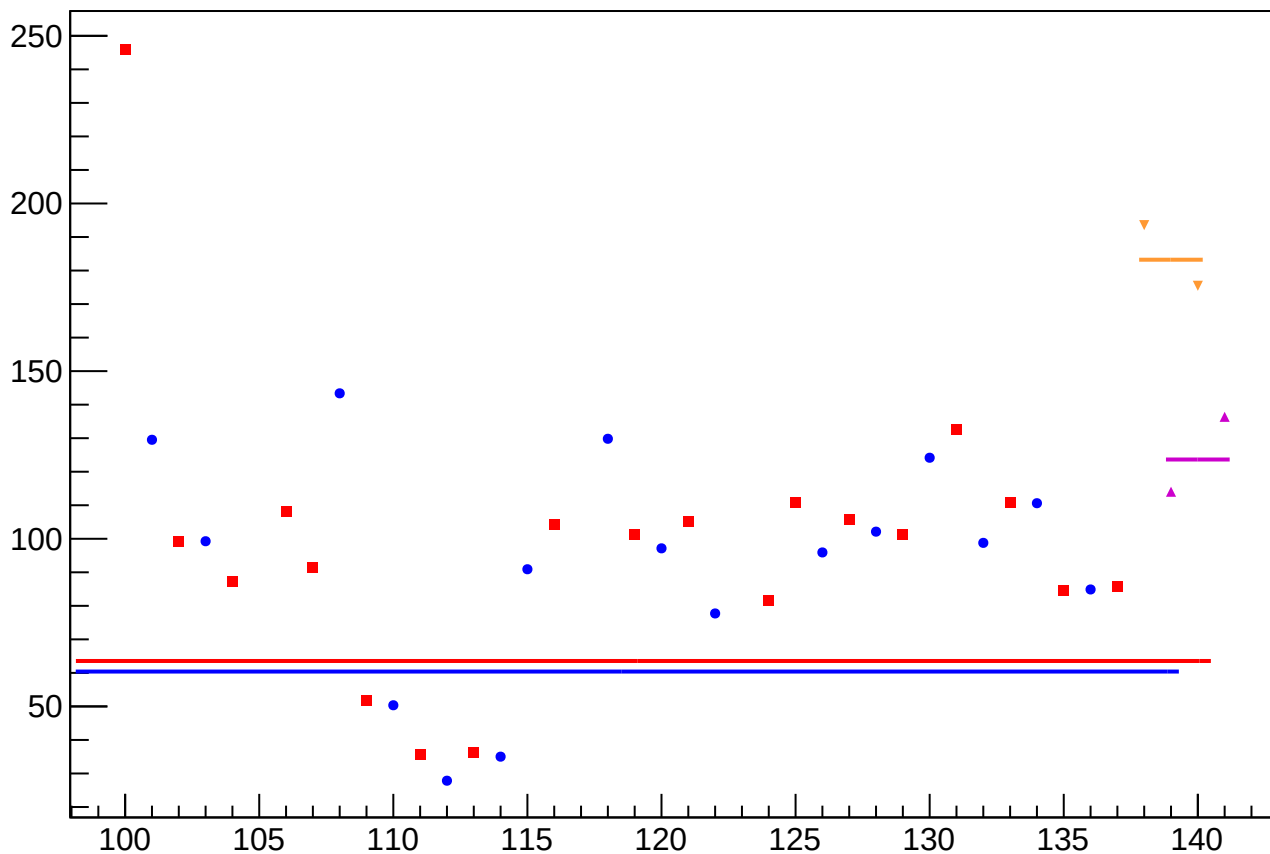
Left In: -0.048 ± 0.097 χ^2/NDF : 3.6/1

+ sign 0.068 ± 0.027 χ^2/NDF : 21.6/17

All: 0.034 ± 0.019 χ^2/NDF : 44.9/38

- sign 0.002 ± 0.026 χ^2/NDF : 20.3/20

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401 $\pm$ 0.019 χ^2 /NDF: 3538126.0/15

Left Out: 183.231 $\pm$ 0.107 χ^2 /NDF: 6976.9/1

Right Out: 63.553 $\pm$ 0.019 χ^2 /NDF: 2654516.9/18

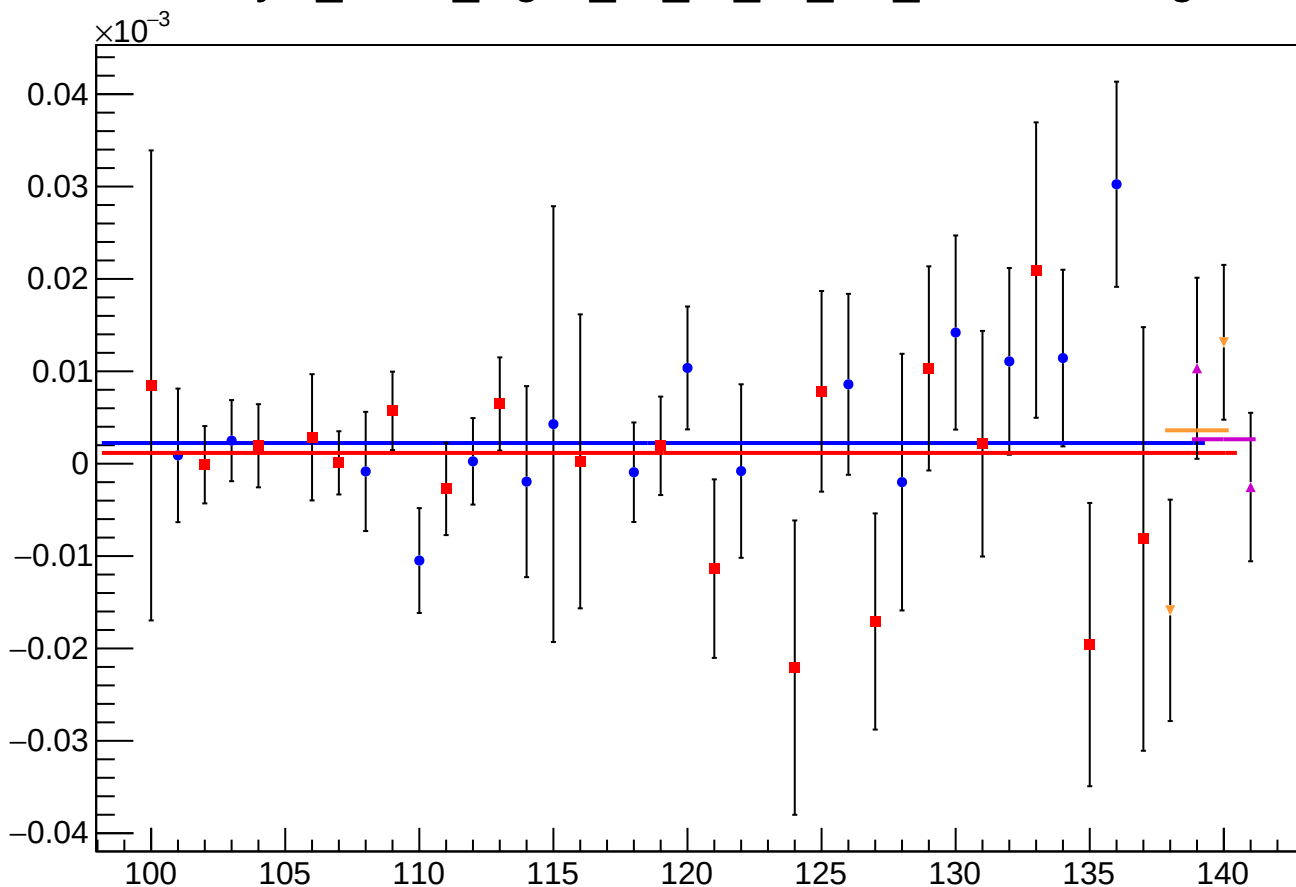
Left In: 123.642 $\pm$ 0.068 χ^2 /NDF: 26197.1/1

+ sign 64.180 $\pm$ 0.019 χ^2 /NDF: 4817480.6/17

All: 66.068 $\pm$ 0.013 χ^2 /NDF: 8235526.9/38

- sign 67.852 $\pm$ 0.018 χ^2 /NDF: 3398445.1/20

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3.9/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/18

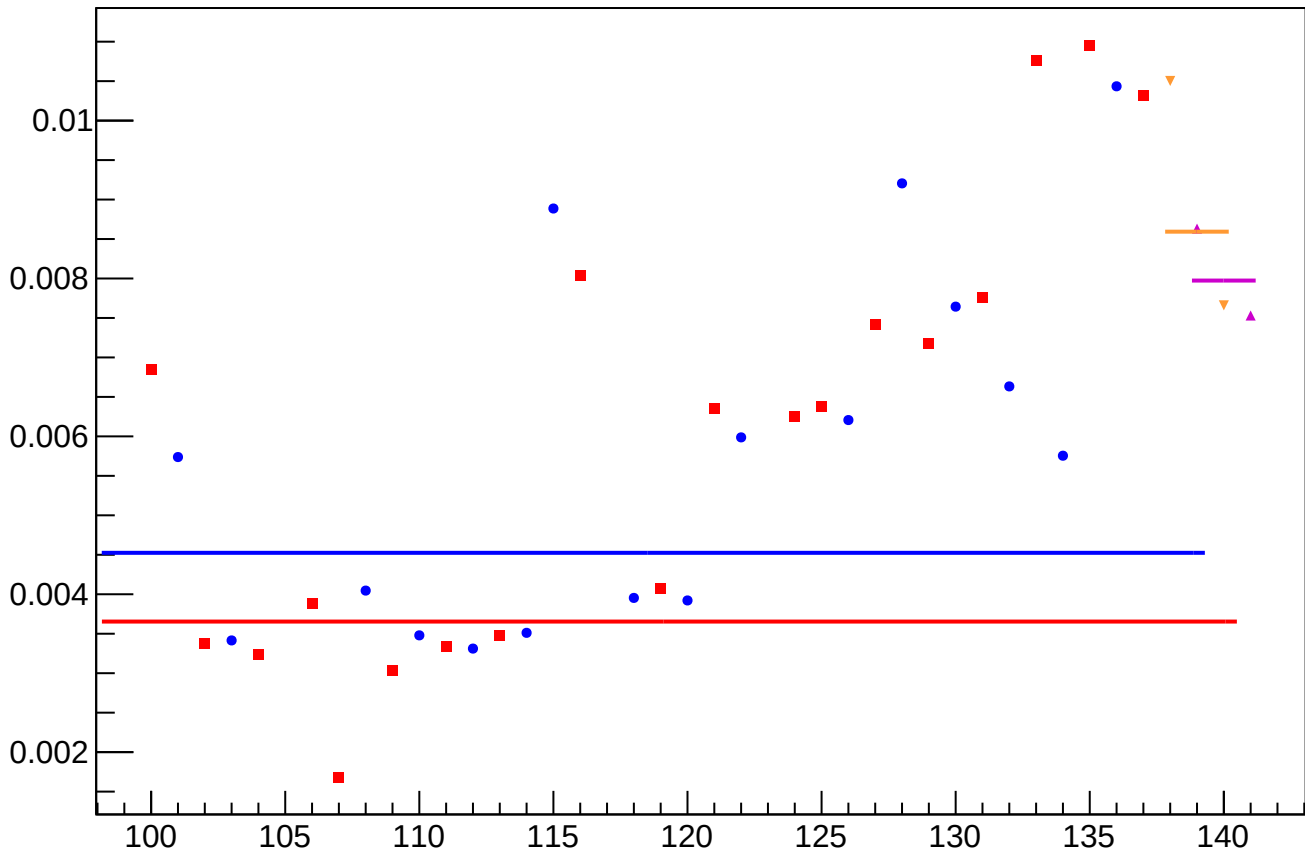
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/20

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1721333.3/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:75574.7/1

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2933246.9/18

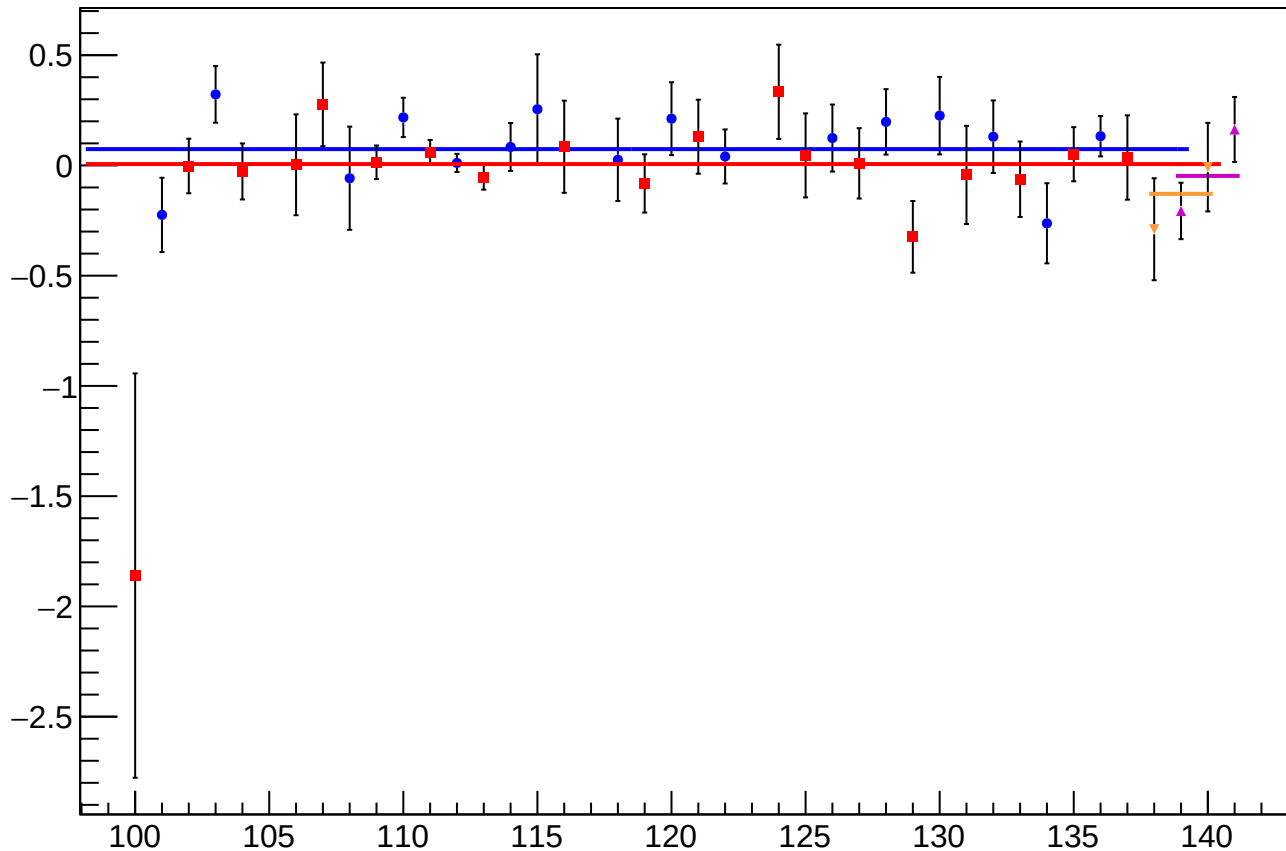
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:15089.3/1

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2453215.3/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6624999.9/38

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3861568.0/20

asym_sam4_eigen_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

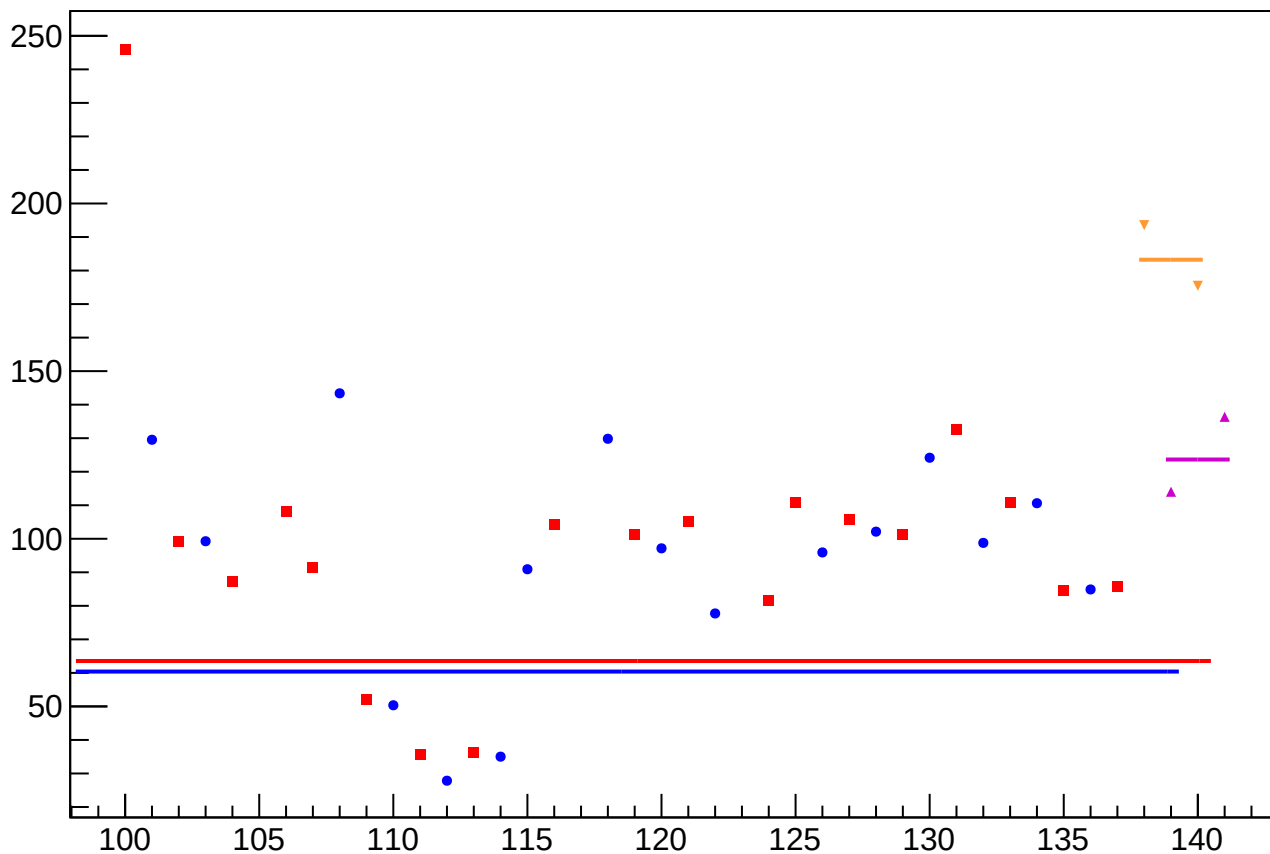
Left In: -0.048 ± 0.097 χ^2/NDF : 3.6/1

+ sign 0.068 ± 0.027 χ^2/NDF : 21.6/17

All: 0.034 ± 0.019 χ^2/NDF : 44.9/38

- sign 0.002 ± 0.026 χ^2/NDF : 20.3/20

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF : 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF : 6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

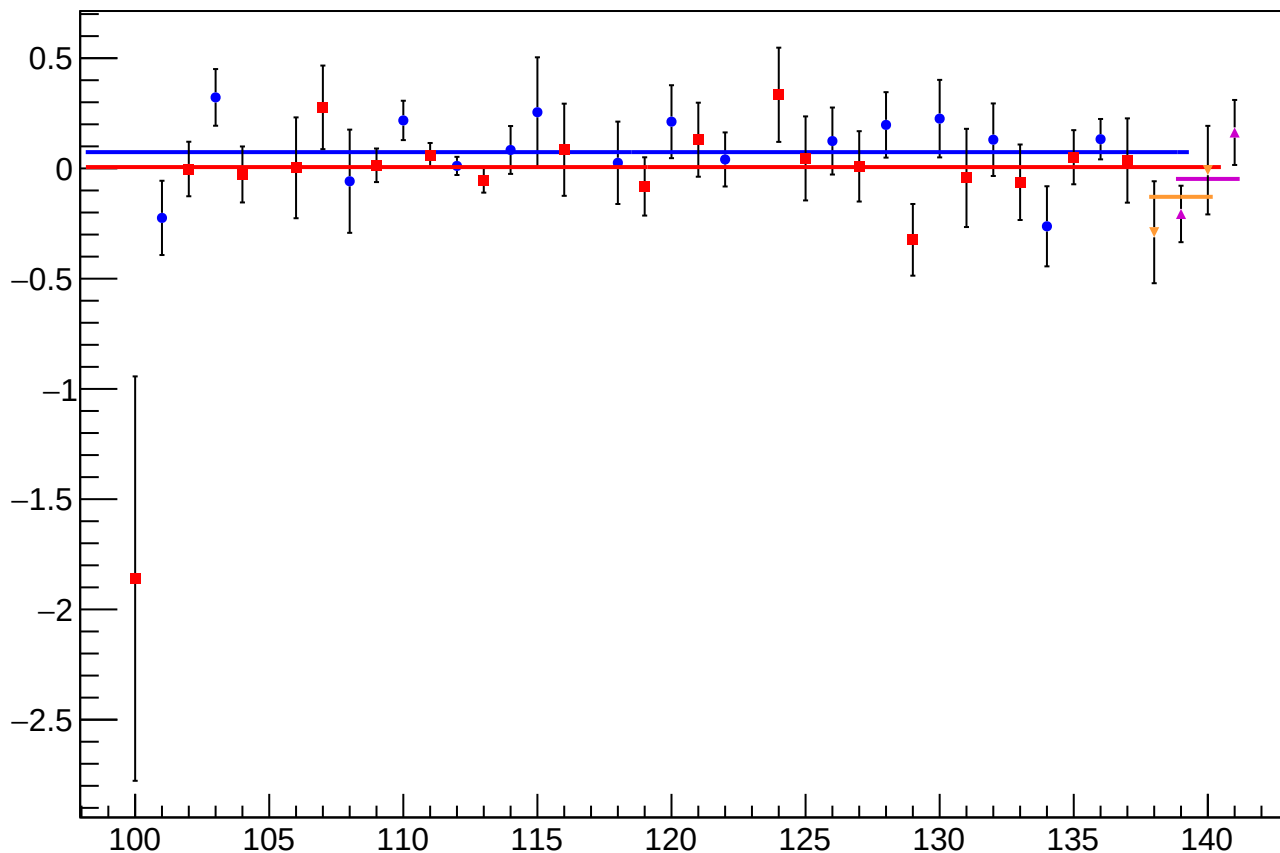
Left In: 123.641+/-0.068 χ^2/NDF : 26203.6/1

+ sign 64.178+/-0.019 χ^2/NDF : 4817779.9/17

All: 66.066+/-0.013 χ^2/NDF : 8236144.9/38

- sign 67.850+/-0.018 χ^2/NDF : 3398759.0/20

asym_sam4_eigen_dit_vs_eigen_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

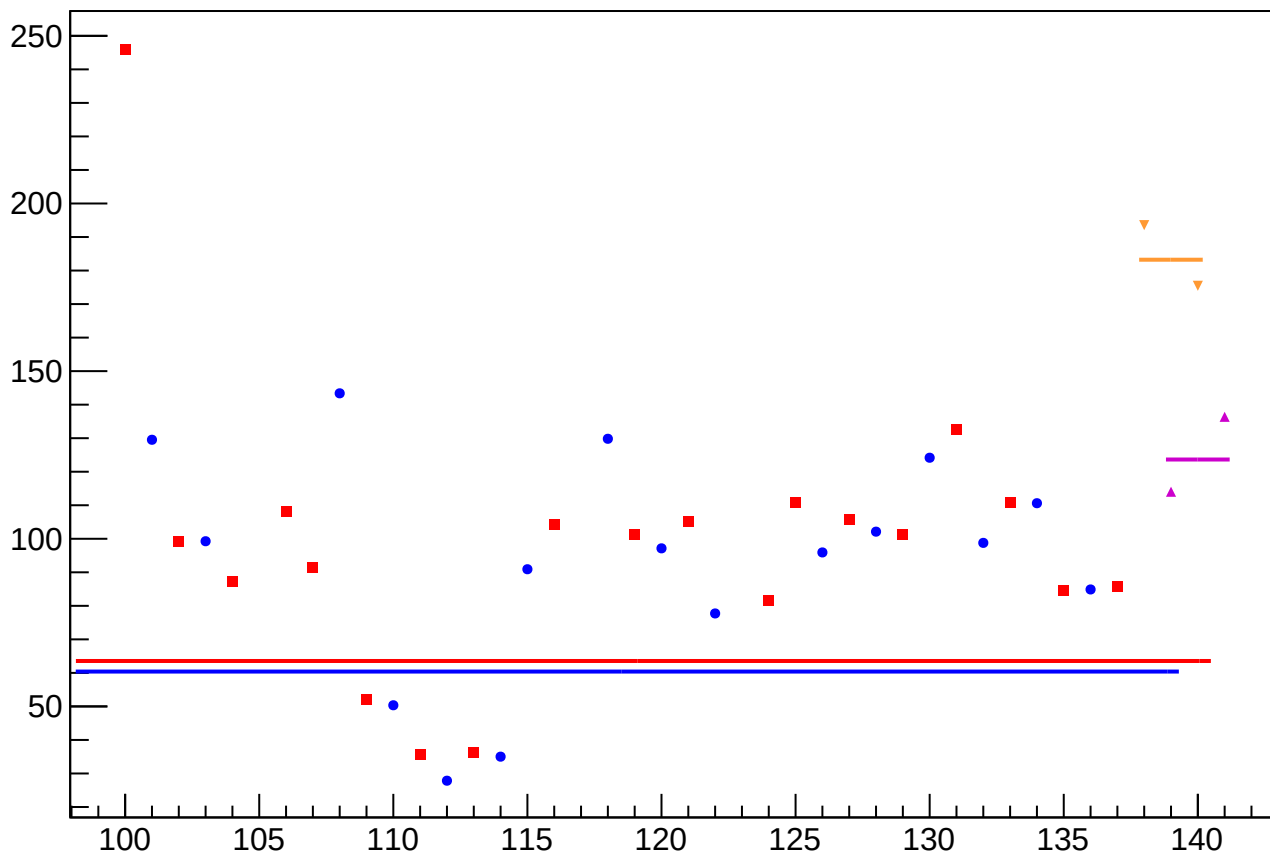
Left In: -0.048 ± 0.097 χ^2/NDF : 3.6/1

+ sign 0.068 ± 0.027 χ^2/NDF : 21.6/17

All: 0.034 ± 0.019 χ^2/NDF : 44.9/38

- sign 0.002 ± 0.026 χ^2/NDF : 20.3/20

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

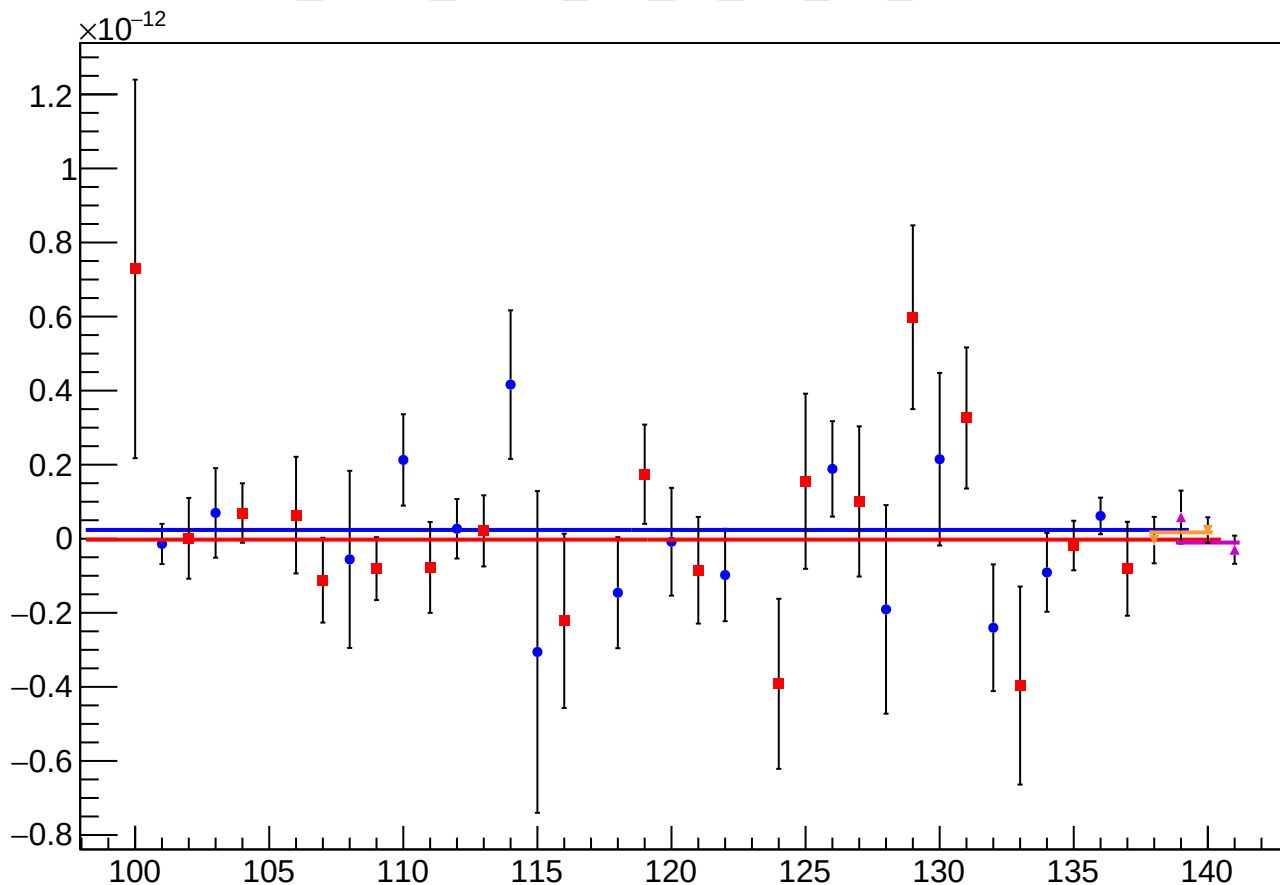
Left In: 123.641+/-0.068 χ^2/NDF : 26203.6/1

+ sign 64.178+/-0.019 χ^2/NDF : 4817779.9/17

All: 66.066+/-0.013 χ^2/NDF : 8236144.9/38

- sign 67.850+/-0.018 χ^2/NDF : 3398759.0/20

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

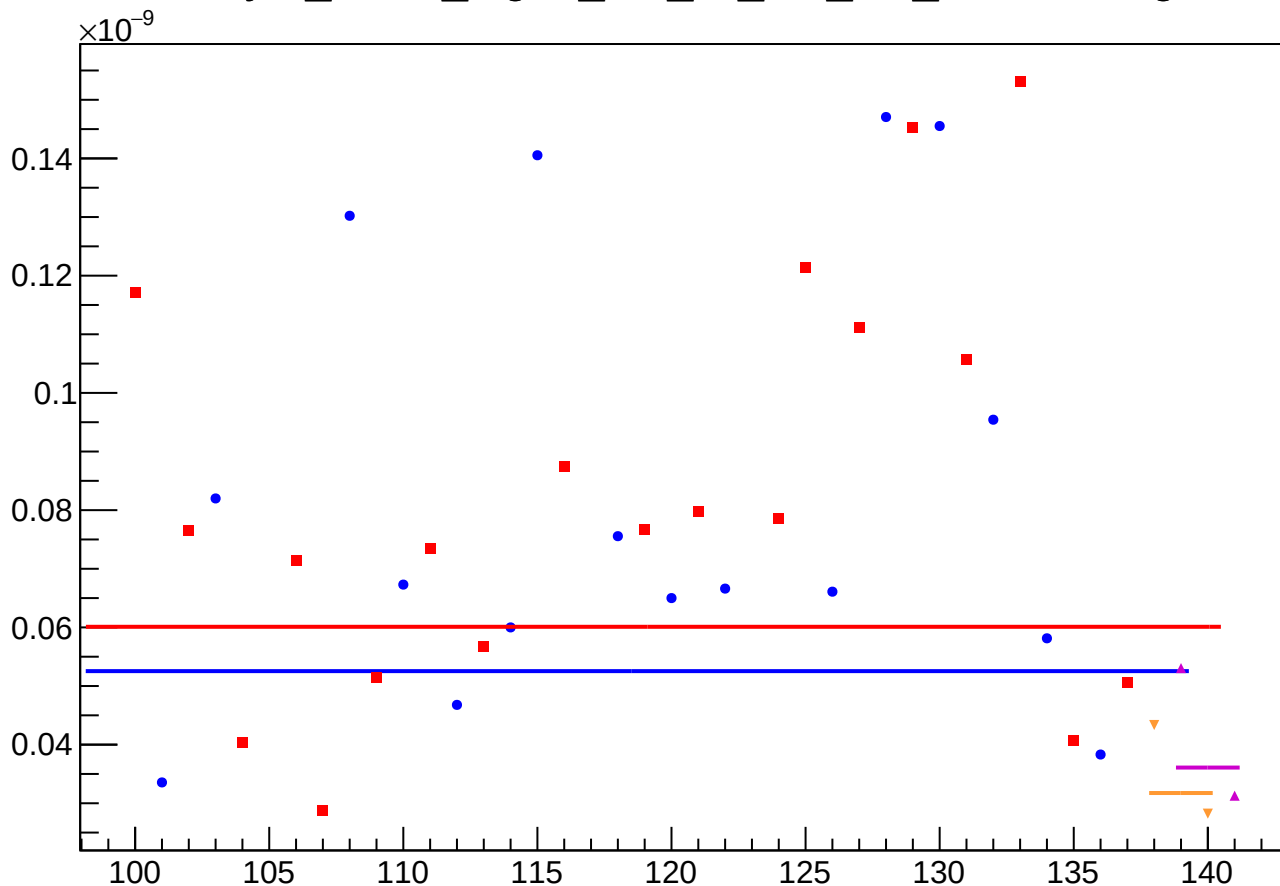
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/20

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

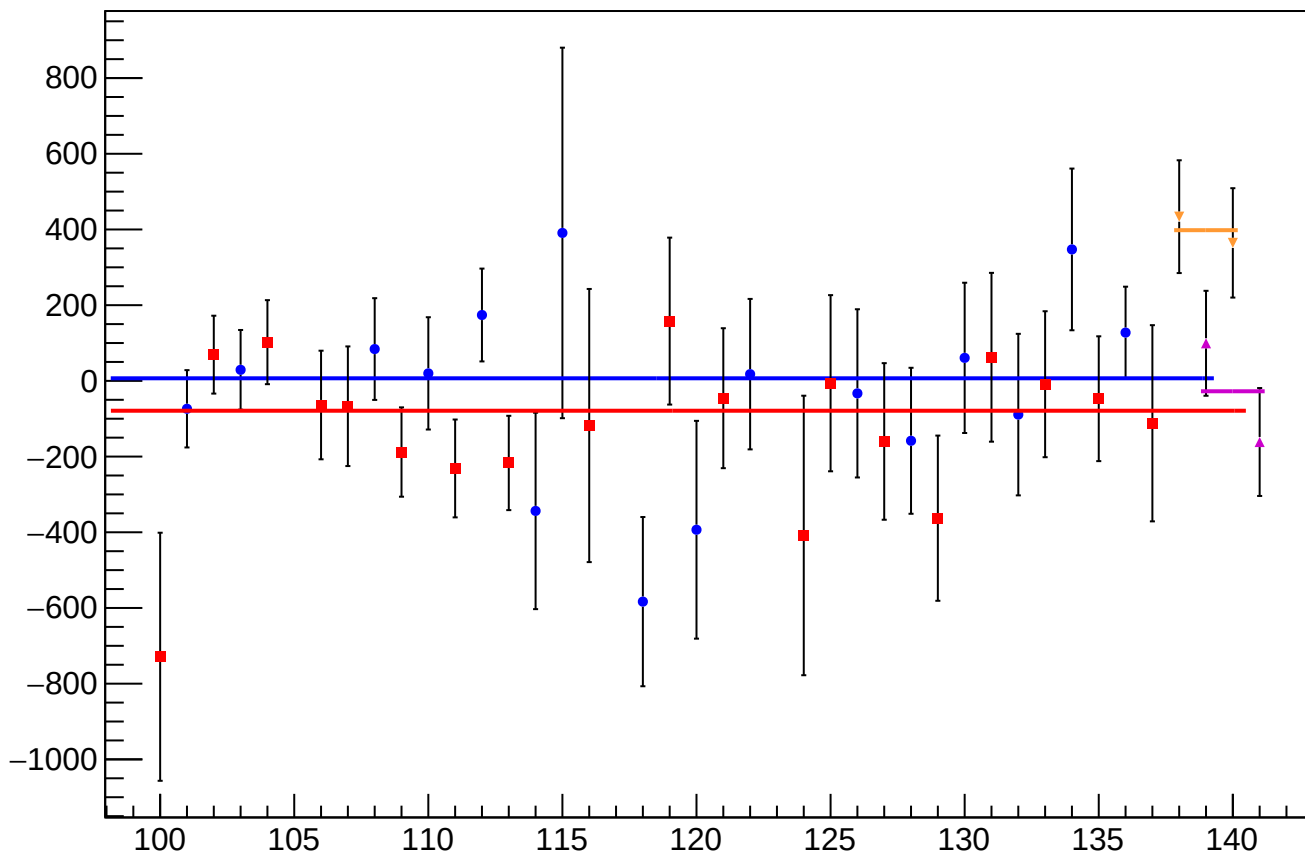
Left In: 0.000+/-0.000 χ^2/NDF : 144136.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2278503.9/17

All: 0.000+/-0.000 χ^2/NDF : 4639714.8/38

- sign 0.000+/-0.000 χ^2/NDF : 2270788.2/20

reg_asym_sam5_mean vs Slug



Right In: 6.811 ± 40.353 χ^2/NDF : 18.8/15

Left Out: 398.134 ± 103.728 χ^2/NDF : 0.1/1

Right Out: -78.883 ± 37.906 χ^2/NDF : 16.7/18

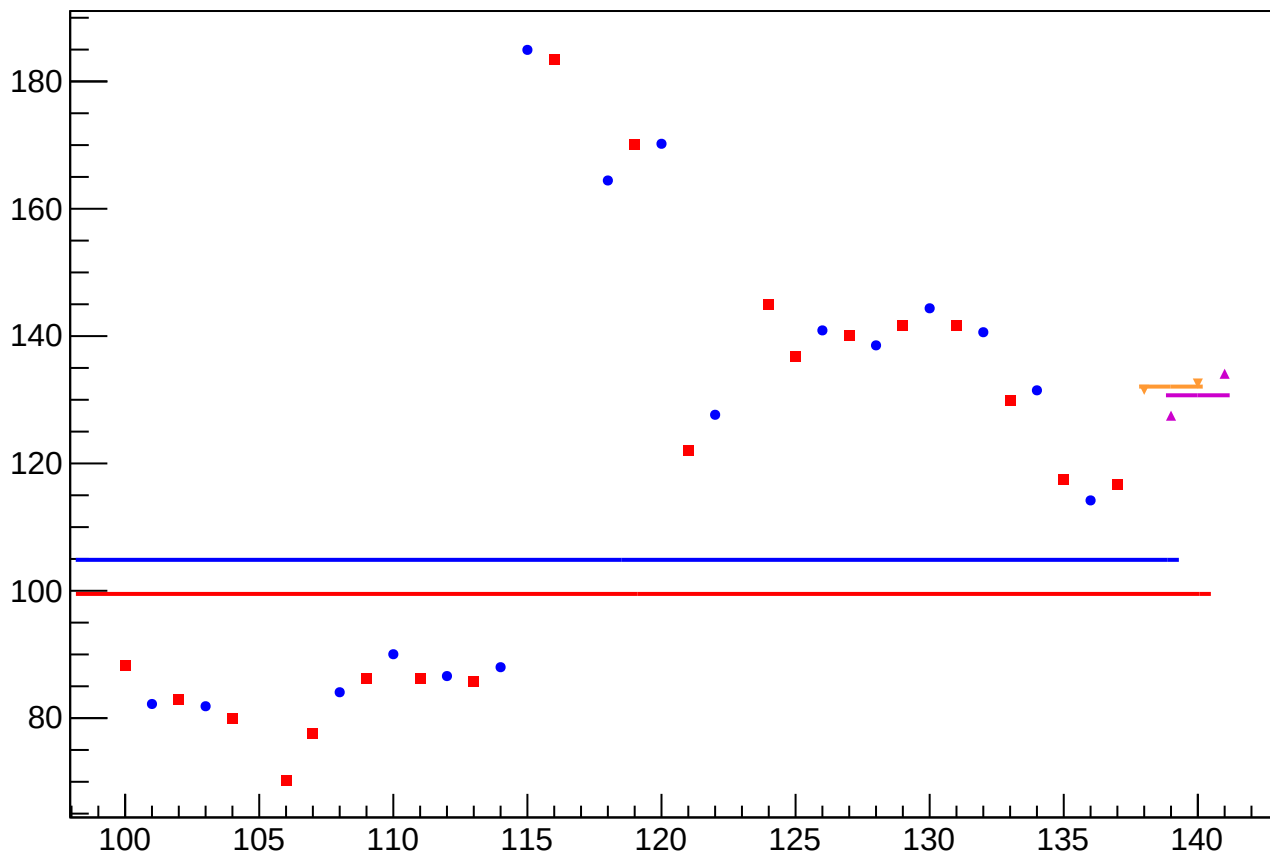
Left In: -27.474 ± 99.392 χ^2/NDF : 1.7/1

+ sign 58.250 ± 37.607 χ^2/NDF : 31.3/17

All: -10.966 ± 25.783 χ^2/NDF : 56.3/38

- sign -72.355 ± 35.418 χ^2/NDF : 18.6/20

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

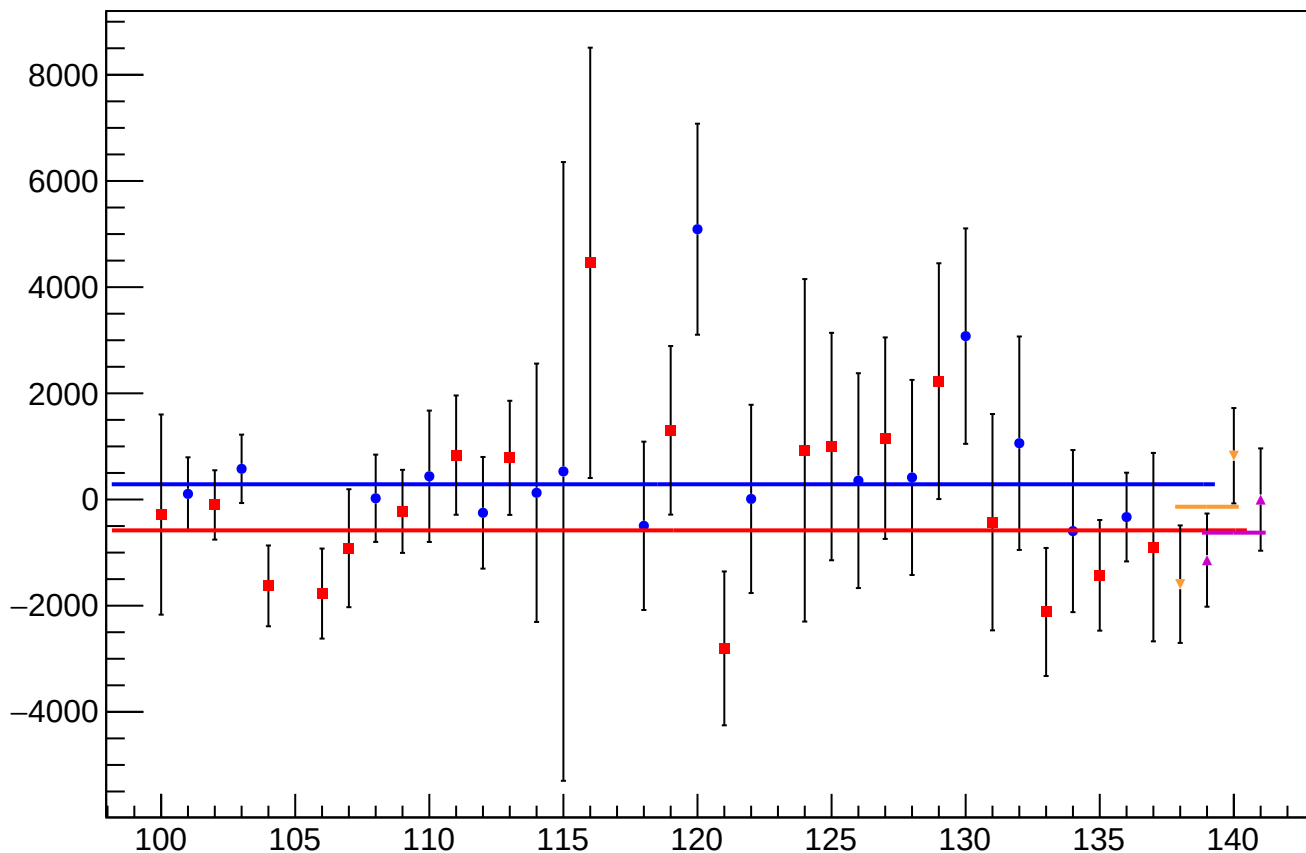
Left In: 130.704 $\pm$ 0.070 χ^2 /NDF:2193.9/1

+ sign 108.437 $\pm$ 0.027 χ^2 /NDF: 1050815.6/17

All: 105.804 $\pm$ 0.018 χ^2 /NDF: 2282552.9/38

- sign 103.469 $\pm$ 0.025 χ^2 /NDF: 1213244.1/20

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

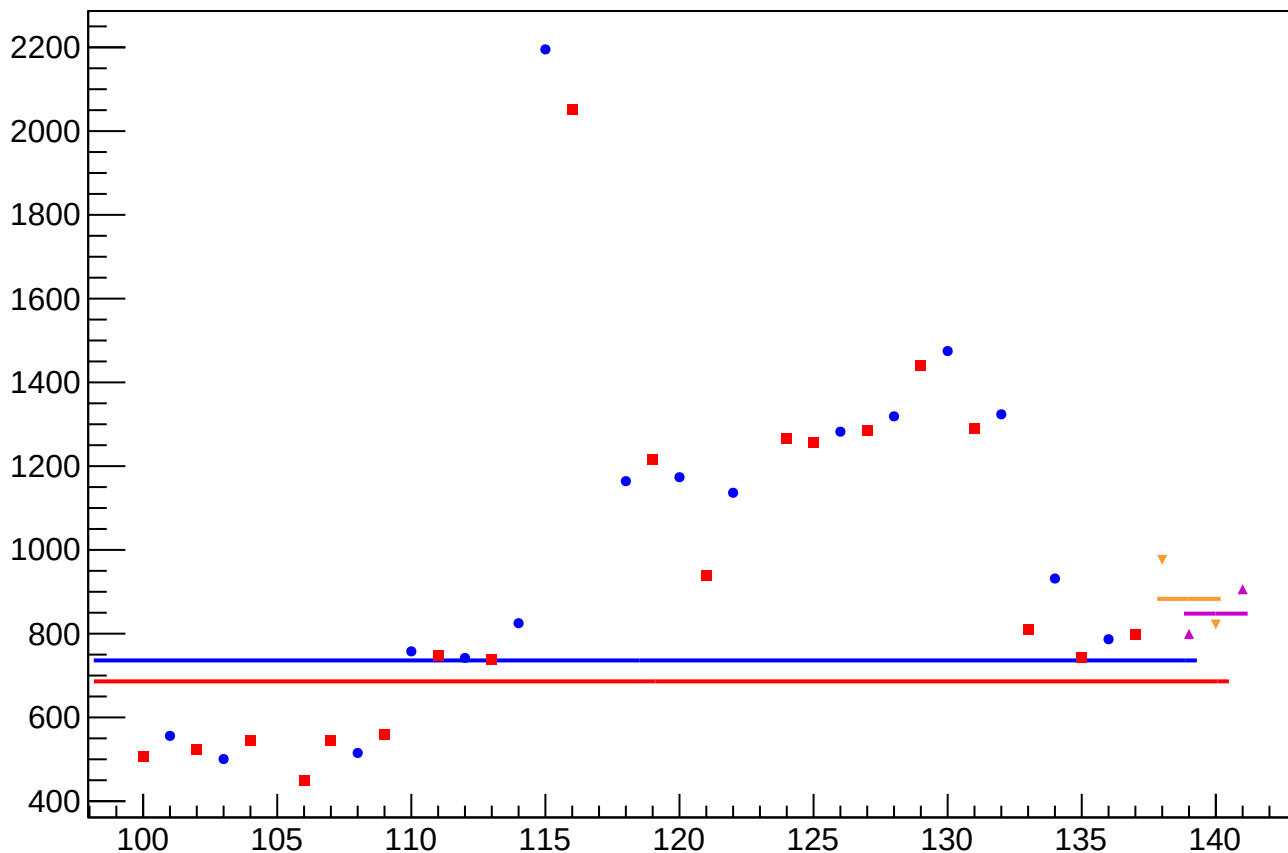
Left In: -624.614 $\pm$ 648.930 χ^2 /NDF: 0.8/1

+ sign 223.261 $\pm$ 270.502 χ^2 /NDF: 12.9/17

All: -215.508 $\pm$ 183.243 χ^2 /NDF: 37.3/38

- sign -587.612 $\pm$ 249.106 χ^2 /NDF: 19.5/20

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF : 1844496.2/15

Left Out: 883.095+/-0.493 χ^2/NDF :23411.5/1

Right Out: 686.108+/-0.191 χ^2/NDF : 1819176.0/18

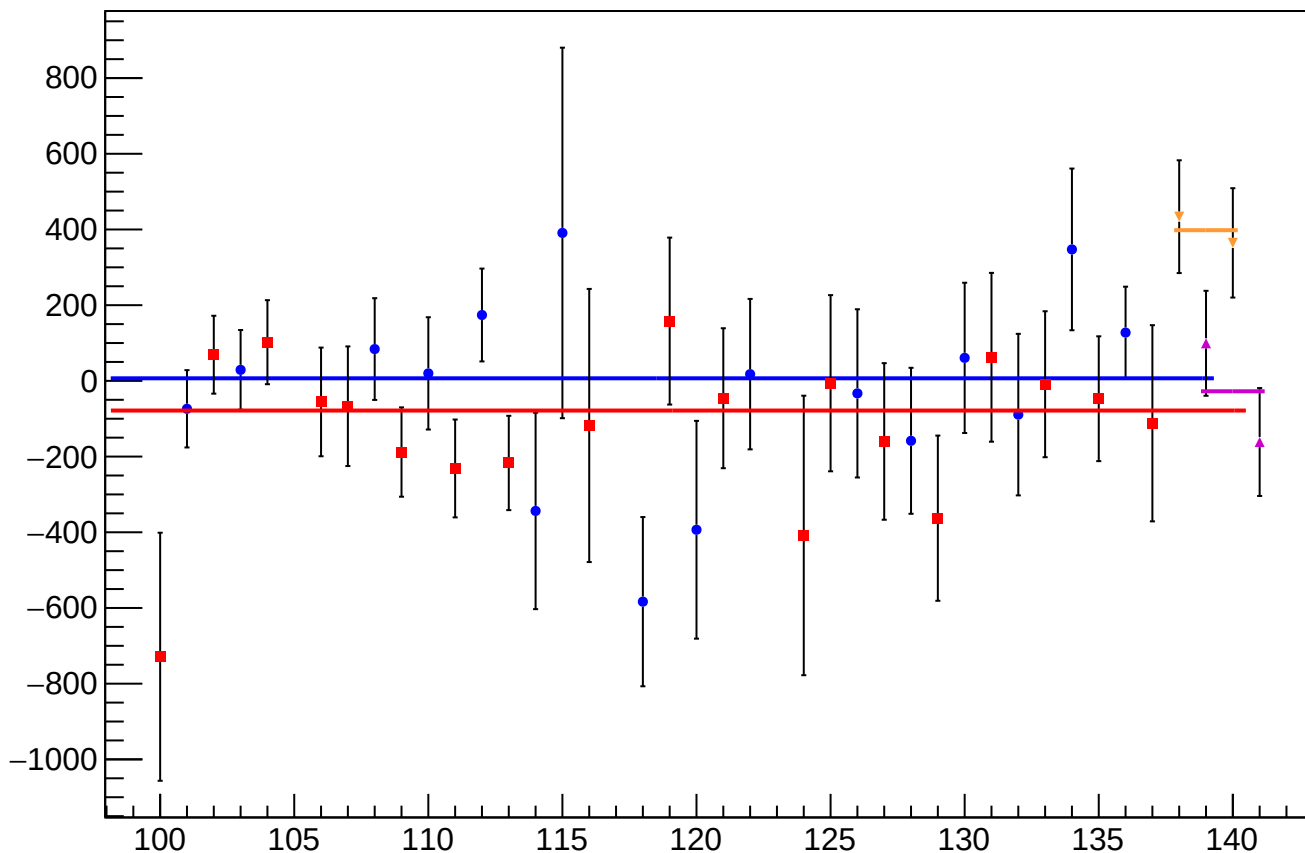
Left In: 847.872+/-0.459 χ^2/NDF :13382.1/1

+ sign 758.198+/-0.191 χ^2/NDF : 1943400.3/17

All: 732.088+/-0.130 χ^2/NDF : 3916358.5/38

- sign 709.945+/-0.176 χ^2/NDF : 1938522.8/20

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

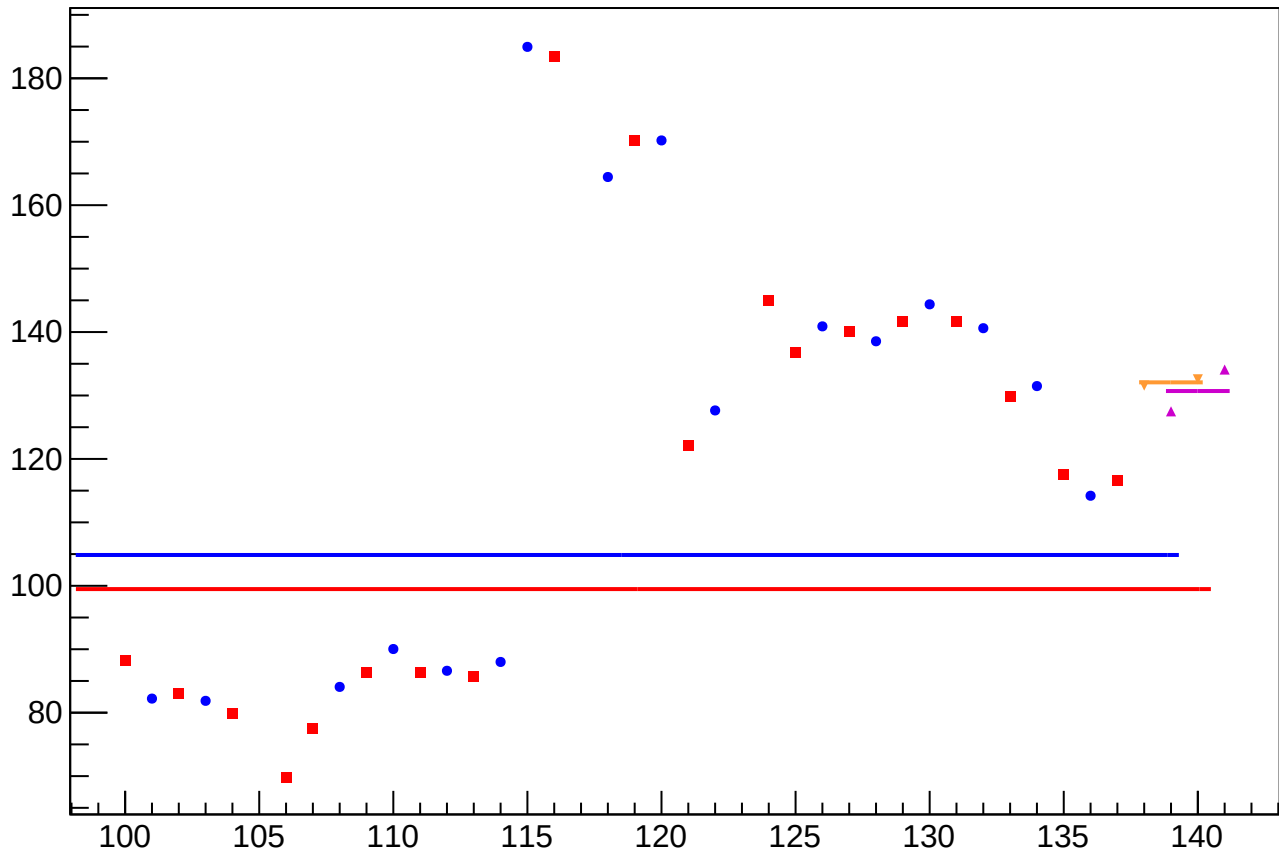
Left In: -27.484 $\pm$ 99.392 χ^2 /NDF: 1.7/1

+ sign 58.239 $\pm$ 37.607 χ^2 /NDF: 31.3/17

All: -10.719 $\pm$ 25.784 χ^2 /NDF: 56.2/38

- sign -71.888 $\pm$ 35.420 χ^2 /NDF: 18.6/20

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

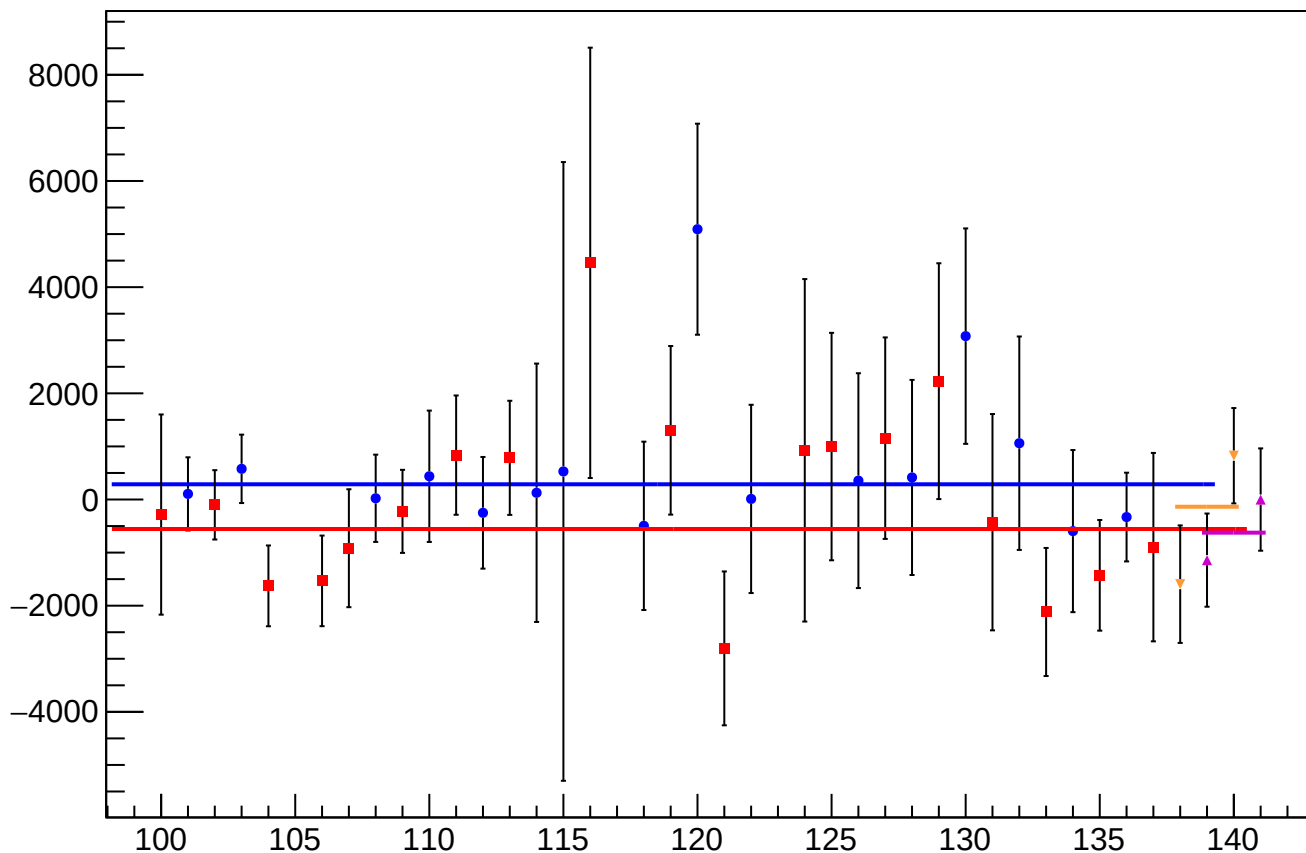
Left In: 130.704 $\pm$ 0.070 χ^2 /NDF:2193.9/1

+ sign 108.437 $\pm$ 0.027 χ^2 /NDF: 1050814.7/17

All: 105.793 $\pm$ 0.018 χ^2 /NDF: 2285150.3/38

- sign 103.449 $\pm$ 0.025 χ^2 /NDF: 1215691.4/20

asym_sam5_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

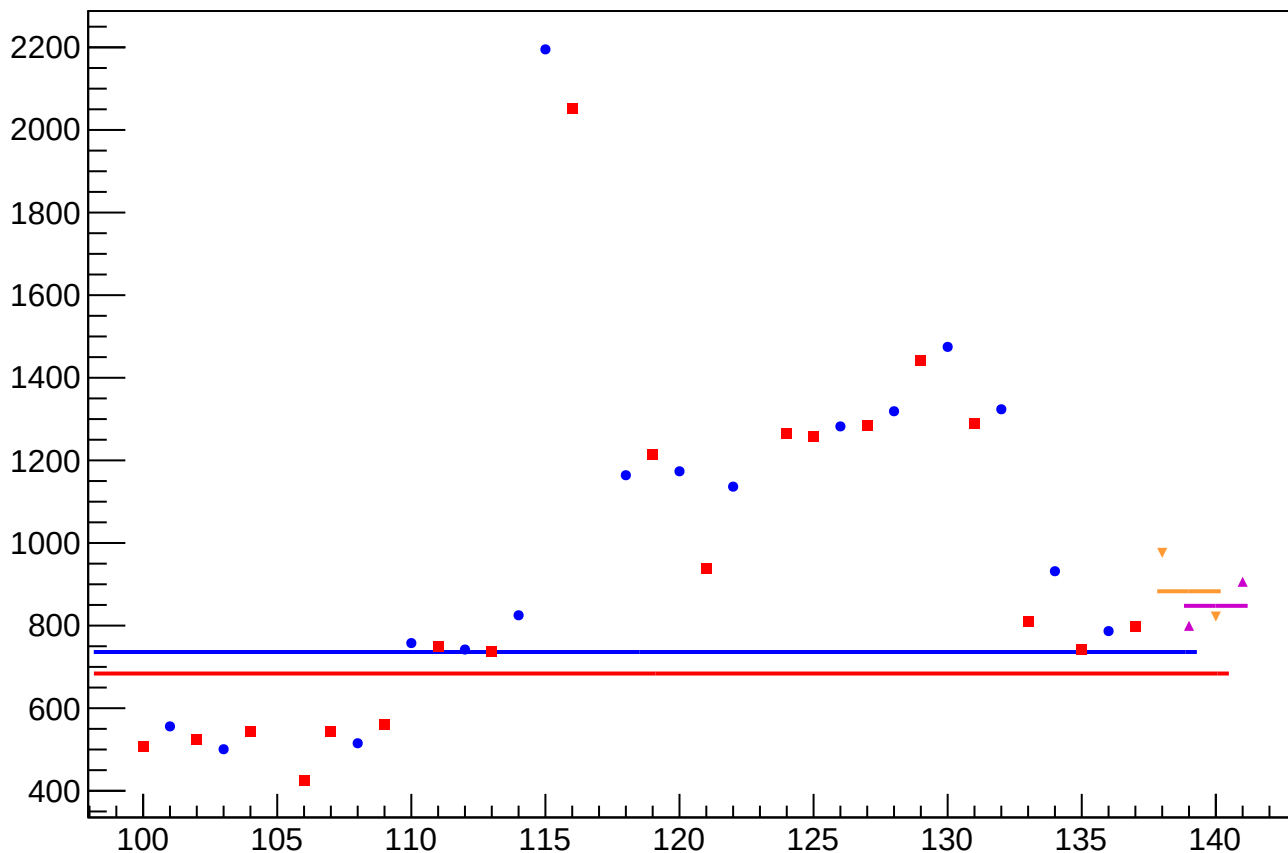
Left In: -624.609 $\pm$ 648.930 χ^2 /NDF: 0.8/1

+ sign 223.265 $\pm$ 270.502 χ^2 /NDF: 12.9/17

All: -203.397 $\pm$ 183.298 χ^2 /NDF: 36.3/38

- sign -565.641 $\pm$ 249.247 χ^2 /NDF: 18.8/20

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF : 23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

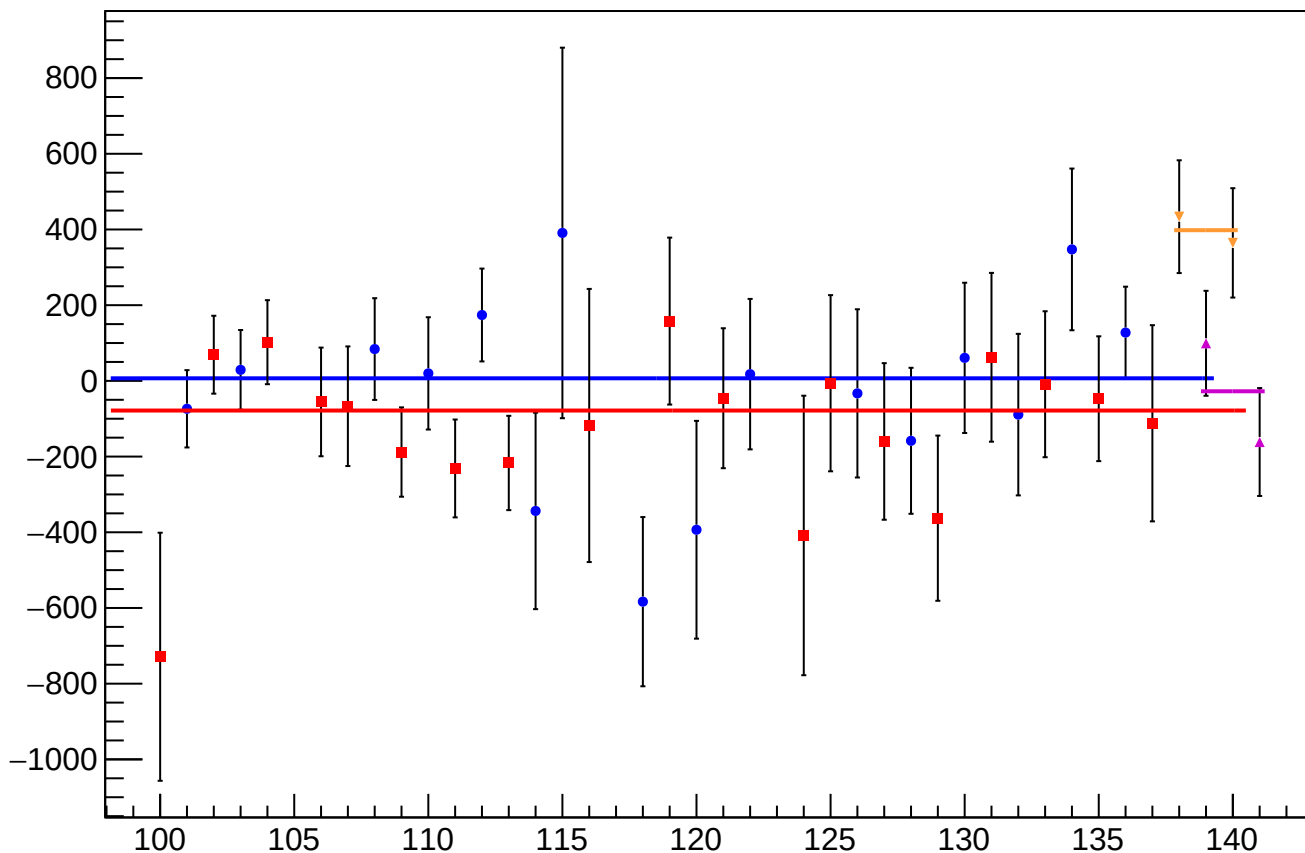
Left In: 847.872+/-0.459 χ^2/NDF : 13382.2/1

+ sign 758.197+/-0.191 χ^2/NDF : 1943403.2/17

All: 731.135+/-0.130 χ^2/NDF : 3952950.1/38

- sign 708.158+/-0.176 χ^2/NDF : 1972533.6/20

eigen_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

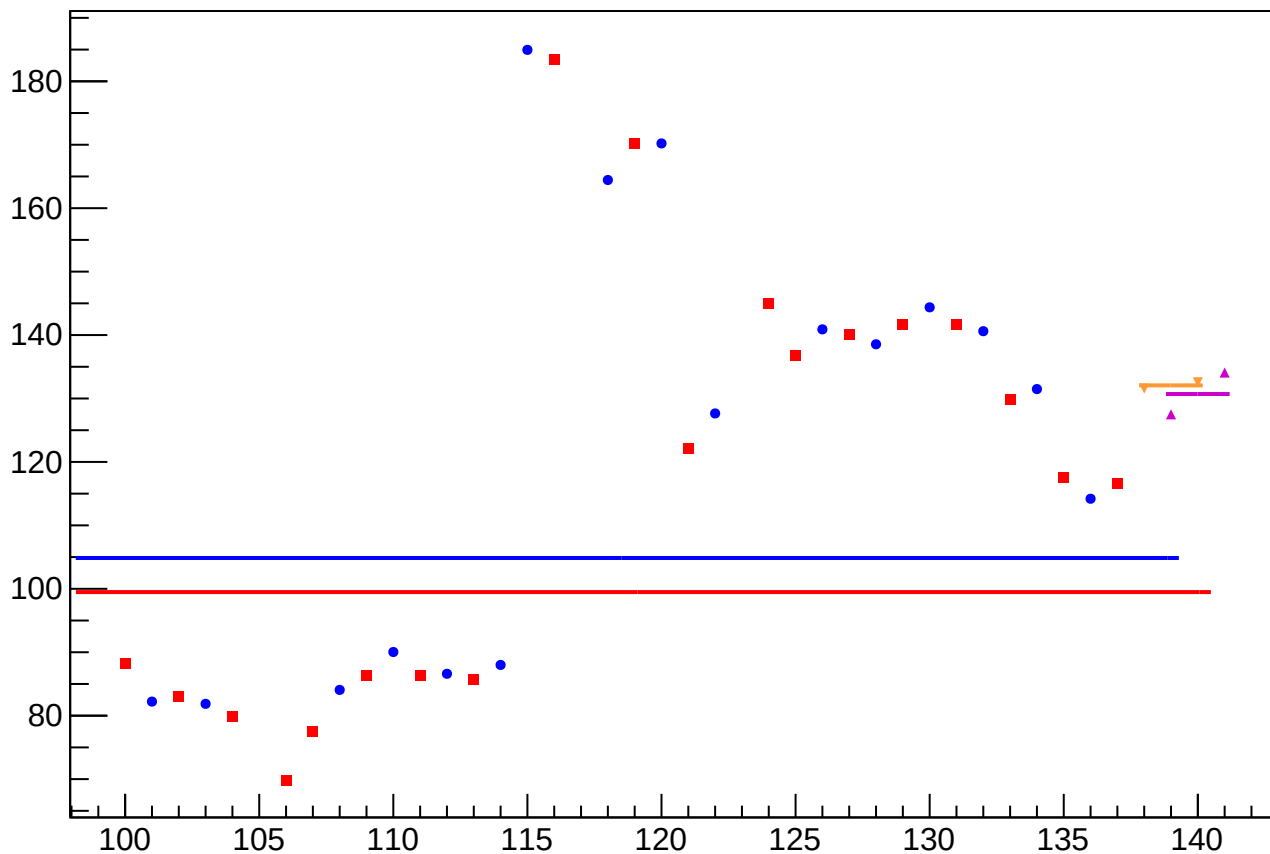
Left In: -27.484 $\pm$ 99.392 χ^2 /NDF: 1.7/1

+ sign 58.239 $\pm$ 37.607 χ^2 /NDF: 31.3/17

All: -10.719 $\pm$ 25.784 χ^2 /NDF: 56.2/38

- sign -71.888 $\pm$ 35.420 χ^2 /NDF: 18.6/20

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

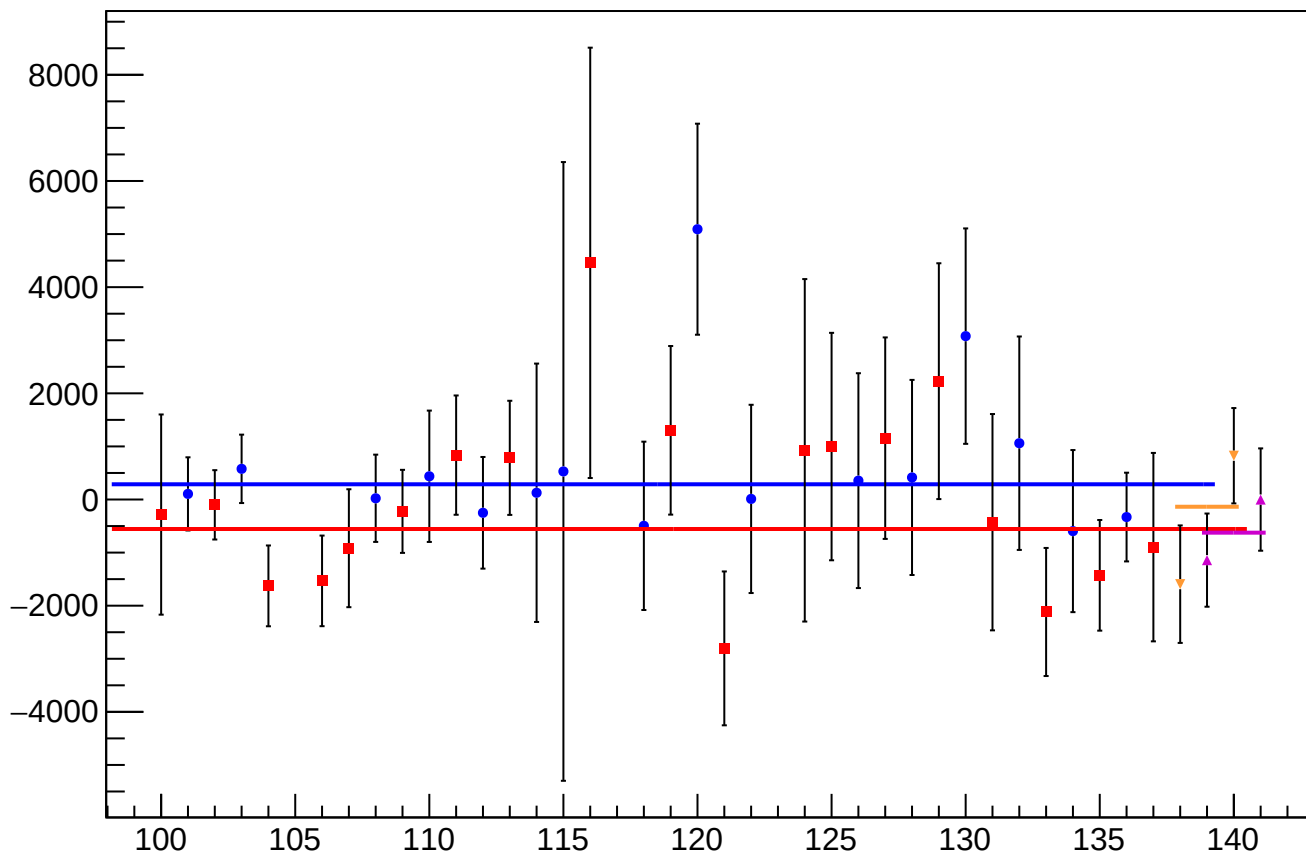
Left In: 130.704+/-0.070 χ^2/NDF :2193.9/1

+ sign 108.437+/-0.027 χ^2/NDF : 1050814.7/17

All: 105.793+/-0.018 χ^2/NDF : 2285150.3/38

- sign 103.449+/-0.025 χ^2/NDF : 1215691.4/20

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

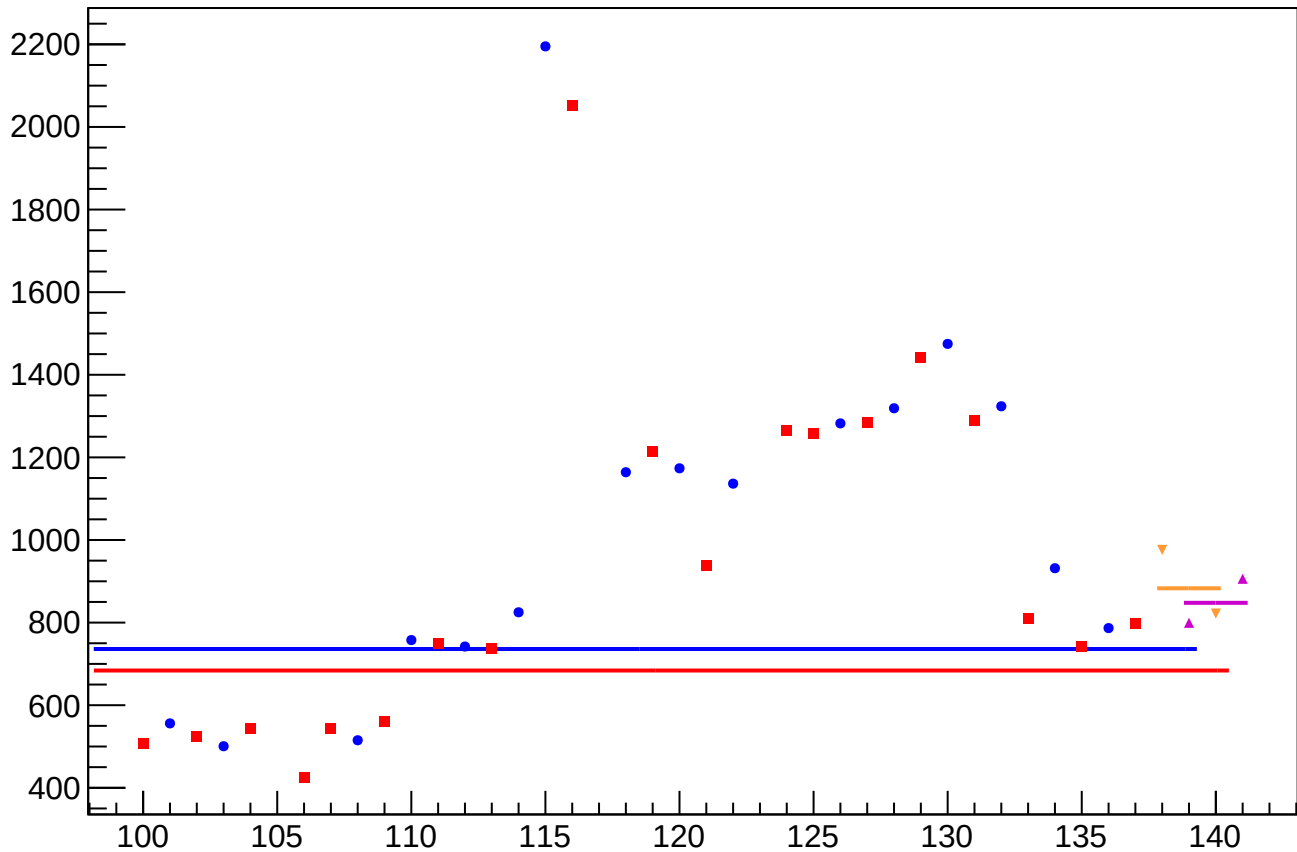
Left In: -624.609 $\pm$ 648.930 χ^2 /NDF:0.8/1

+ sign 223.265 $\pm$ 270.502 χ^2 /NDF: 12.9/17

All: -203.397 $\pm$ 183.298 χ^2 /NDF: 36.3/38

- sign -565.641 $\pm$ 249.247 χ^2 /NDF: 18.8/20

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF : 23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

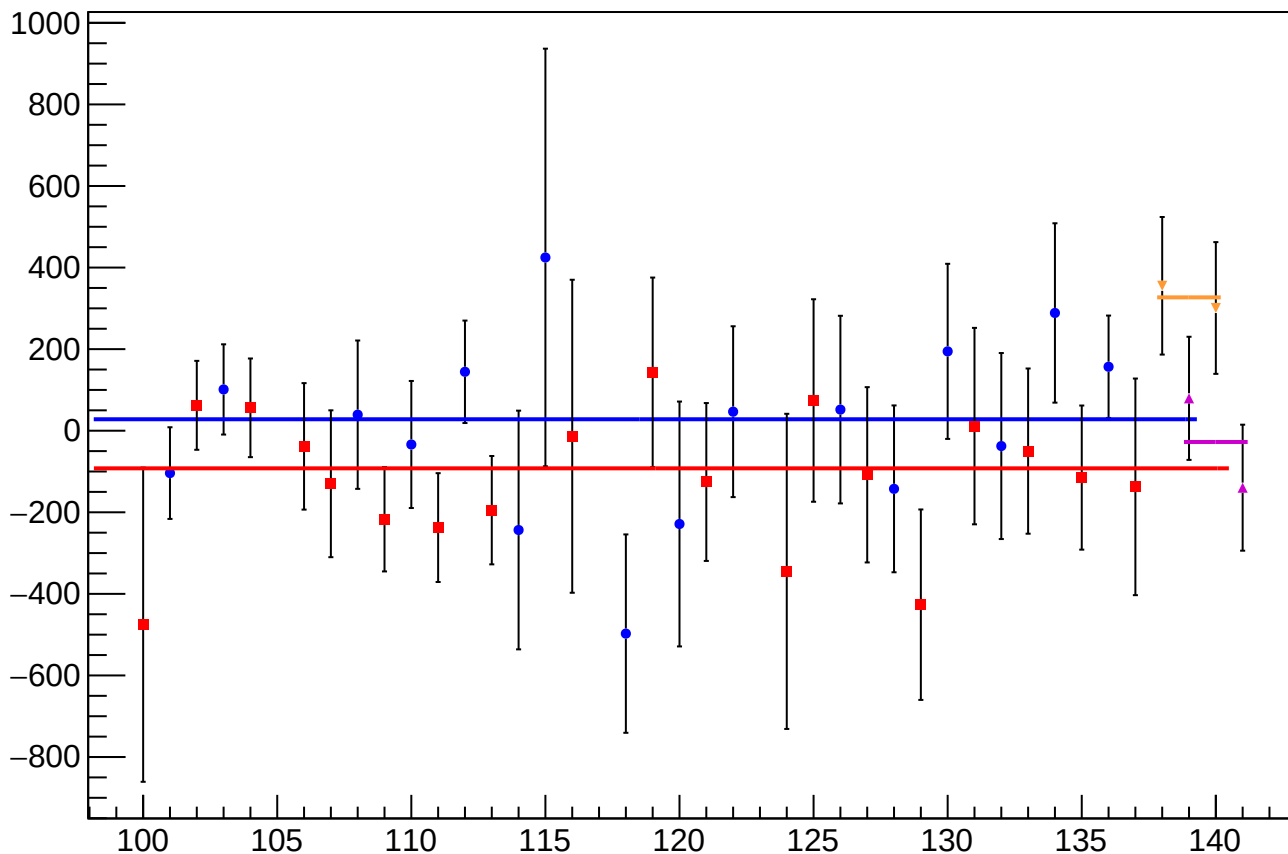
Left In: 847.872+/-0.459 χ^2/NDF : 13382.2/1

+ sign 758.197+/-0.191 χ^2/NDF : 1943403.2/17

All: 731.135+/-0.130 χ^2/NDF : 3952950.1/38

- sign 708.158+/-0.176 χ^2/NDF : 1972533.6/20

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF : 13.6/15

Left Out: 326.925+/-116.645 χ^2/NDF : 0.1/1

Right Out: -92.247+/-40.539 χ^2/NDF : 11.7/18

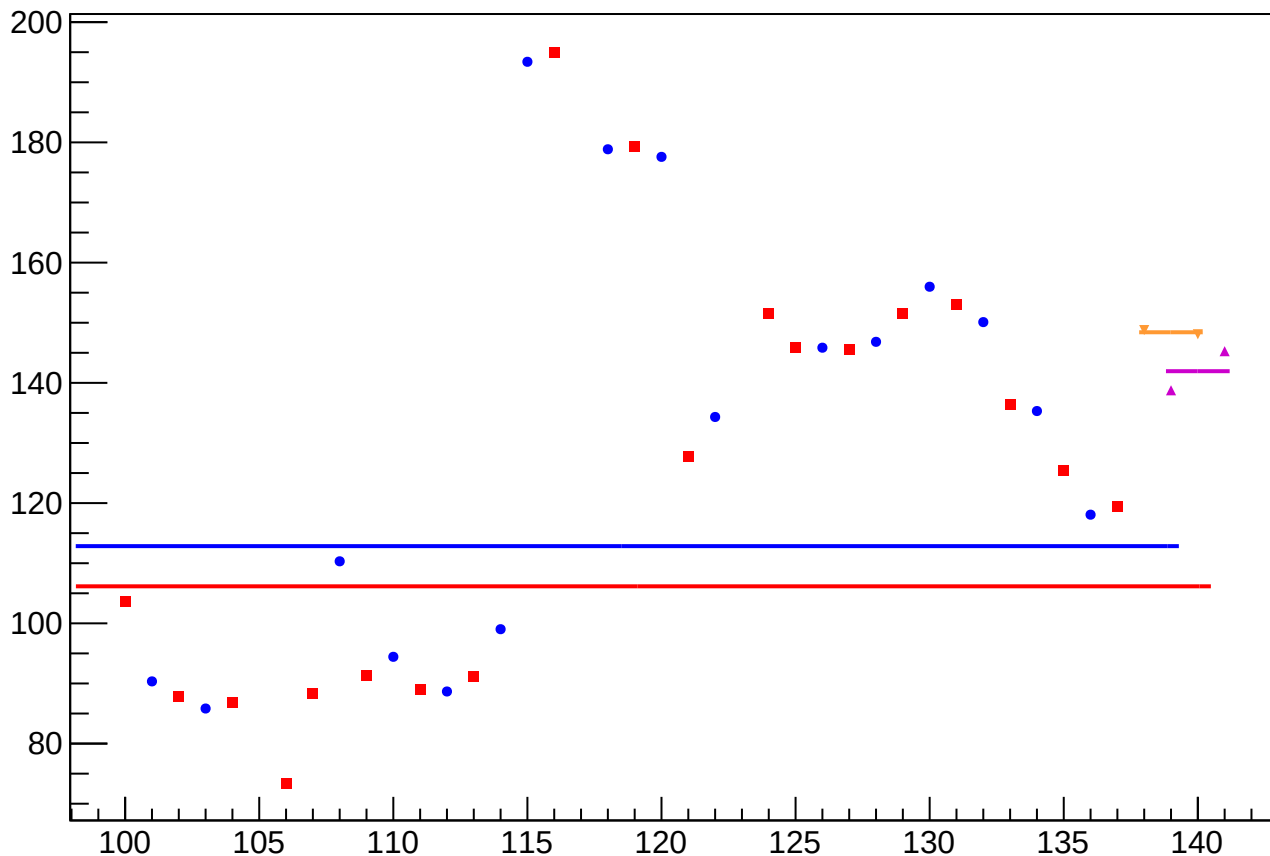
Left In: -27.614+/-107.957 χ^2/NDF : 1.0/1

+ sign 64.489+/-40.708 χ^2/NDF : 19.4/17

All: -15.091+/-27.759 χ^2/NDF : 39.6/38

- sign -84.259+/-37.951 χ^2/NDF : 13.1/20

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF : 872225.9/15

Left Out: 148.416+/-0.082 χ^2/NDF :17.8/1

Right Out: 106.159+/-0.029 χ^2/NDF : 1002148.0/18

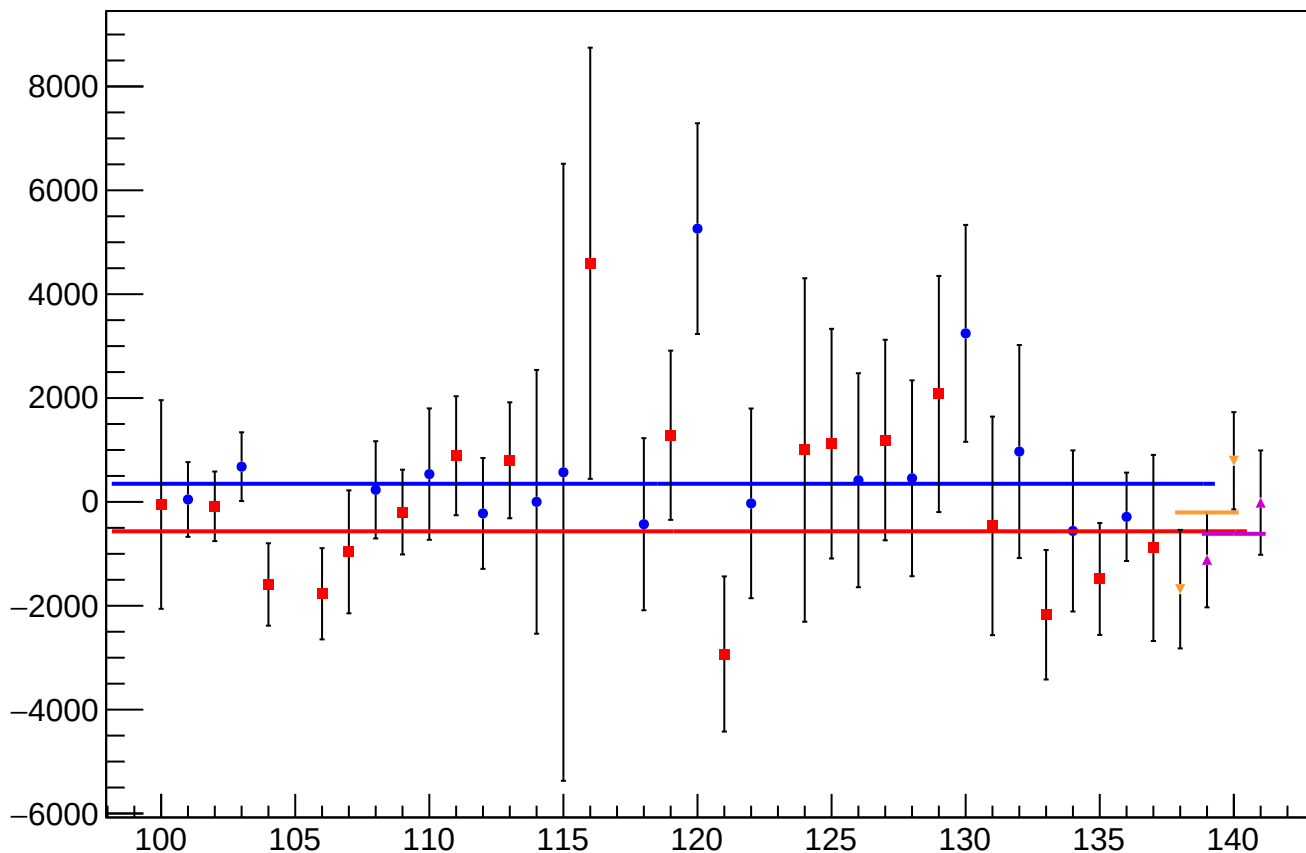
Left In: 141.942+/-0.076 χ^2/NDF :1812.5/1

+ sign 117.175+/-0.029 χ^2/NDF : 1035602.1/17

All: 113.647+/-0.020 χ^2/NDF : 2260219.3/38

- sign 110.581+/-0.027 χ^2/NDF : 1196538.3/20

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112 ± 305.328 χ^2/NDF : 9.8/15

Left Out: -203.439 ± 724.117 χ^2/NDF : 2.8/1

Right Out: -566.026 ± 279.219 χ^2/NDF : 18.3/18

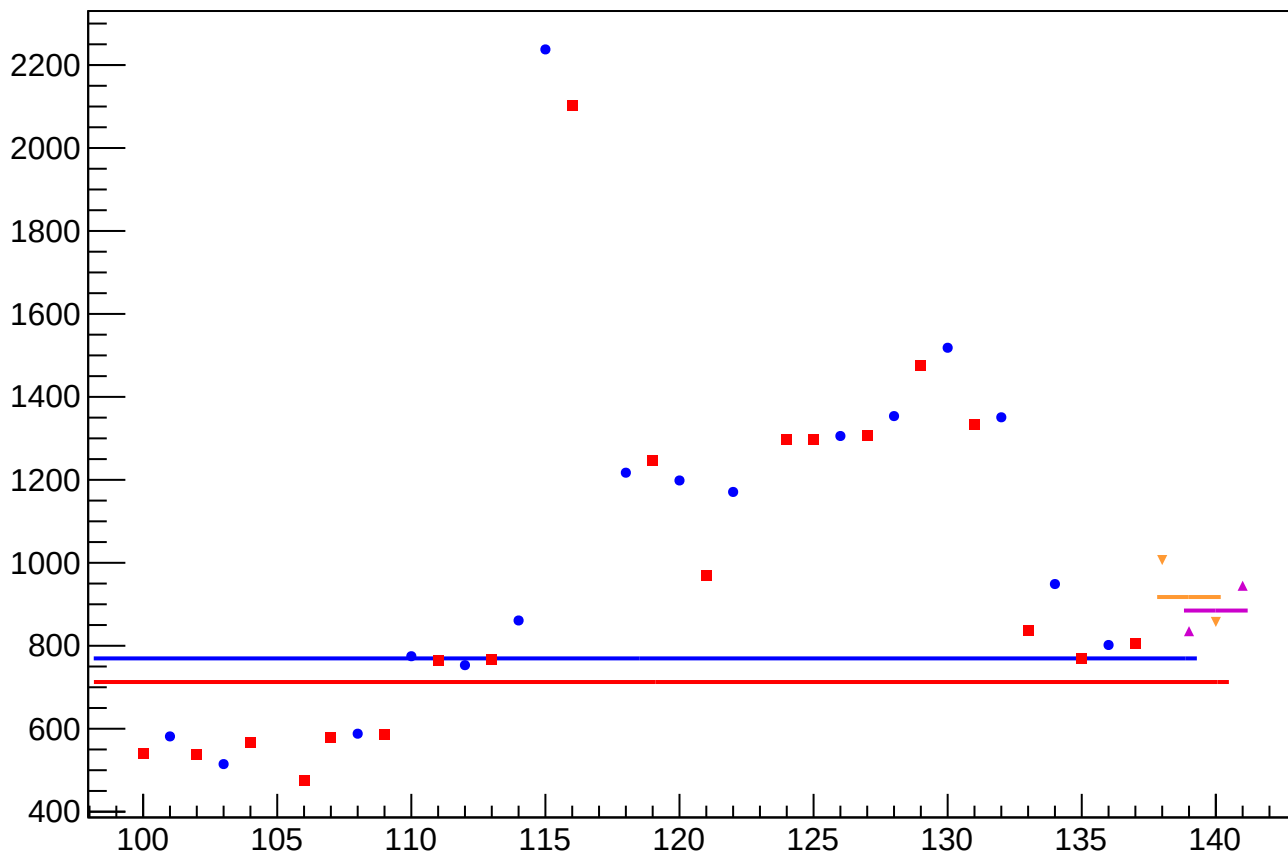
Left In: -614.326 ± 677.049 χ^2/NDF : 0.7/1

+ sign 265.702 ± 281.340 χ^2/NDF : 13.1/17

All: -189.694 ± 190.202 χ^2/NDF : 36.9/38

- sign -573.047 ± 258.129 χ^2/NDF : 19.0/20

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF : 1739937.3/15

Left Out: 917.521+/-0.512 χ^2/NDF : 20413.4/1

Right Out: 712.628+/-0.197 χ^2/NDF : 1767226.6/18

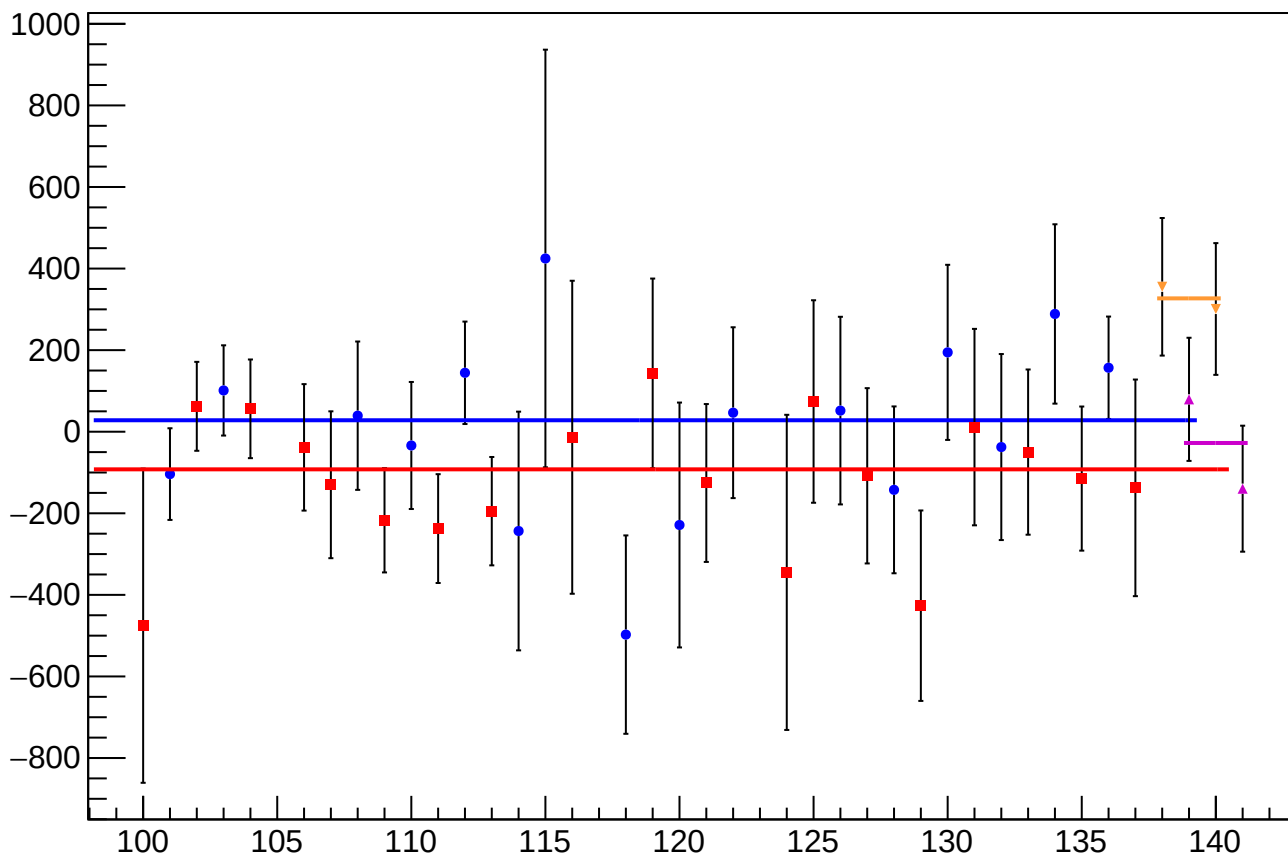
Left In: 884.916+/-0.479 χ^2/NDF : 12971.3/1

+ sign 791.893+/-0.199 χ^2/NDF : 1831251.5/17

All: 762.454+/-0.134 χ^2/NDF : 3762467.1/38

- sign 737.672+/-0.183 χ^2/NDF : 1890882.0/20

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF : 13.6/15

Left Out: 326.924+/-116.645 χ^2/NDF : 0.1/1

Right Out: -92.247+/-40.539 χ^2/NDF : 11.7/18

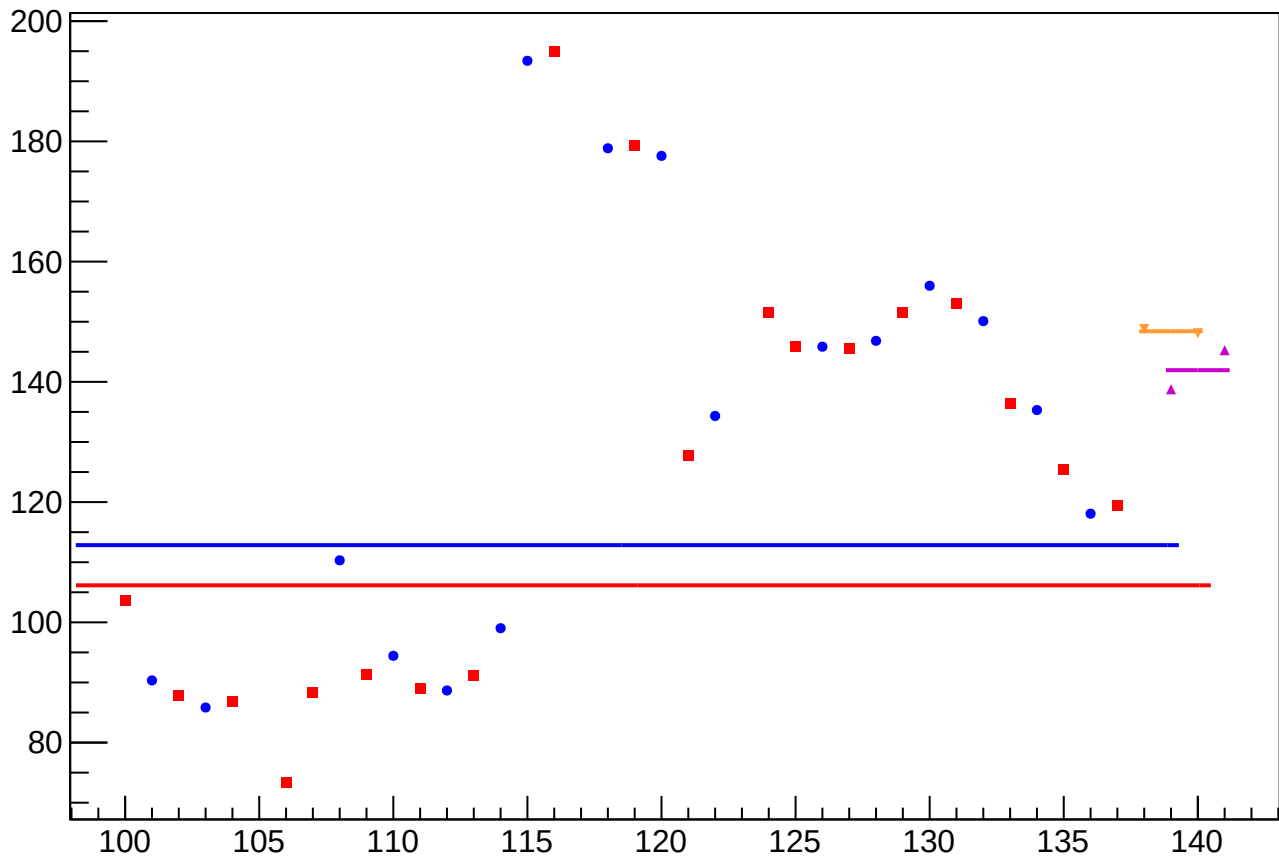
Left In: -27.616+/-107.957 χ^2/NDF : 1.0/1

+ sign 64.488+/-40.708 χ^2/NDF : 19.4/17

All: -15.092+/-27.759 χ^2/NDF : 39.6/38

- sign -84.260+/-37.951 χ^2/NDF : 13.1/20

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

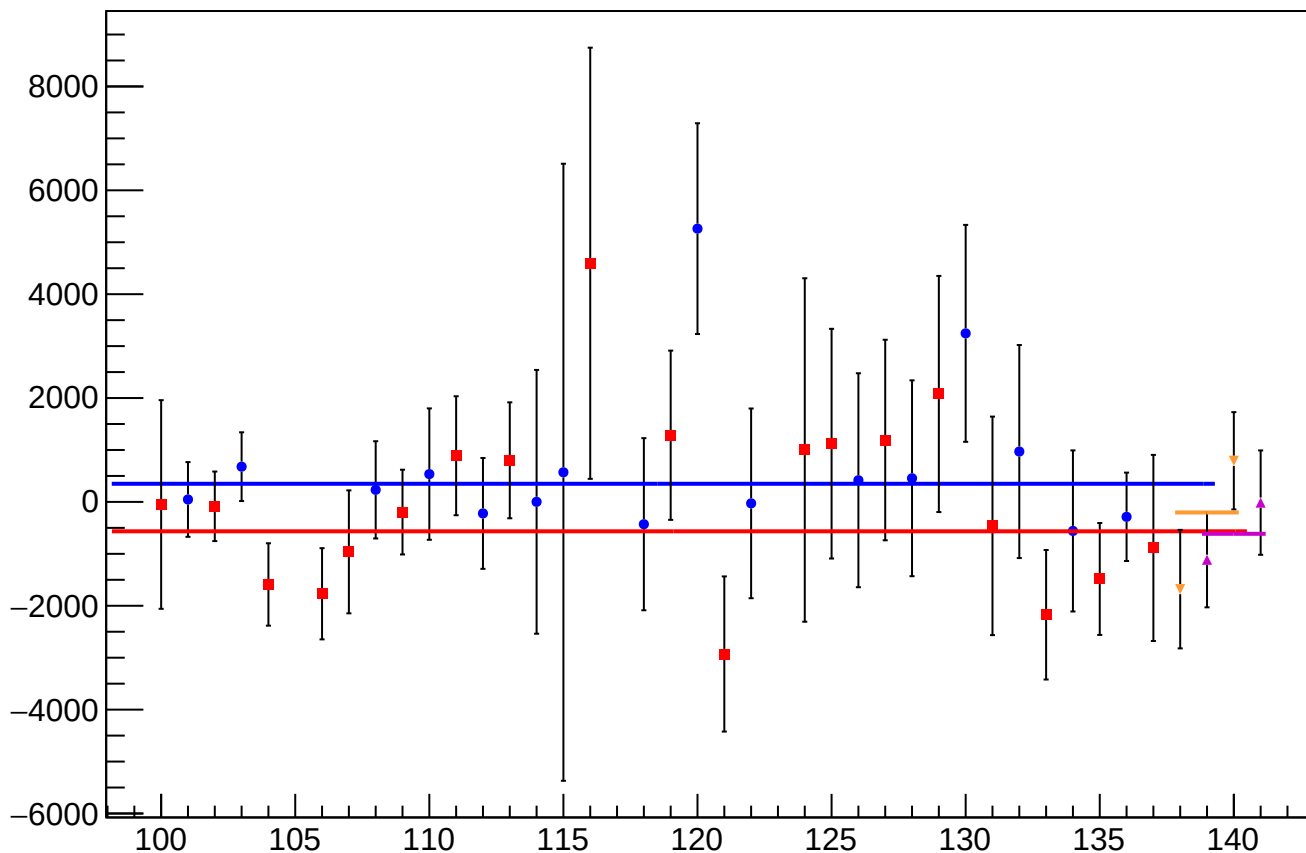
Left In: 141.943 $\pm$ 0.076 χ^2 /NDF:1812.5/1

+ sign 117.175 $\pm$ 0.029 χ^2 /NDF: 1035605.5/17

All: 113.647 $\pm$ 0.020 χ^2 /NDF: 2260220.2/38

- sign 110.581 $\pm$ 0.027 χ^2 /NDF: 1196536.3/20

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

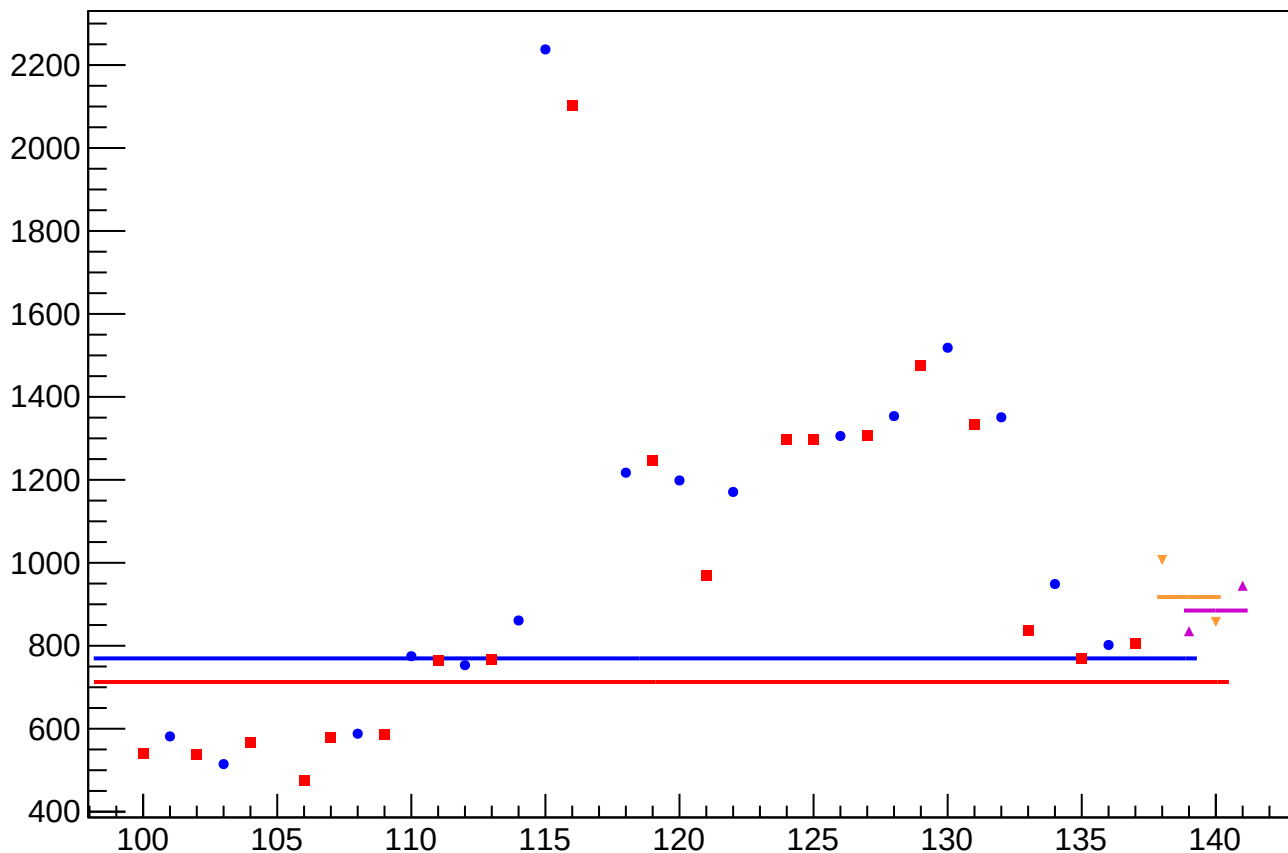
Left In: -614.328 $\pm$ 677.051 χ^2 /NDF: 0.7/1

+ sign 265.702 $\pm$ 281.340 χ^2 /NDF: 13.1/17

All: -189.694 $\pm$ 190.202 χ^2 /NDF: 36.9/38

- sign -573.047 $\pm$ 258.129 χ^2 /NDF: 19.0/20

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

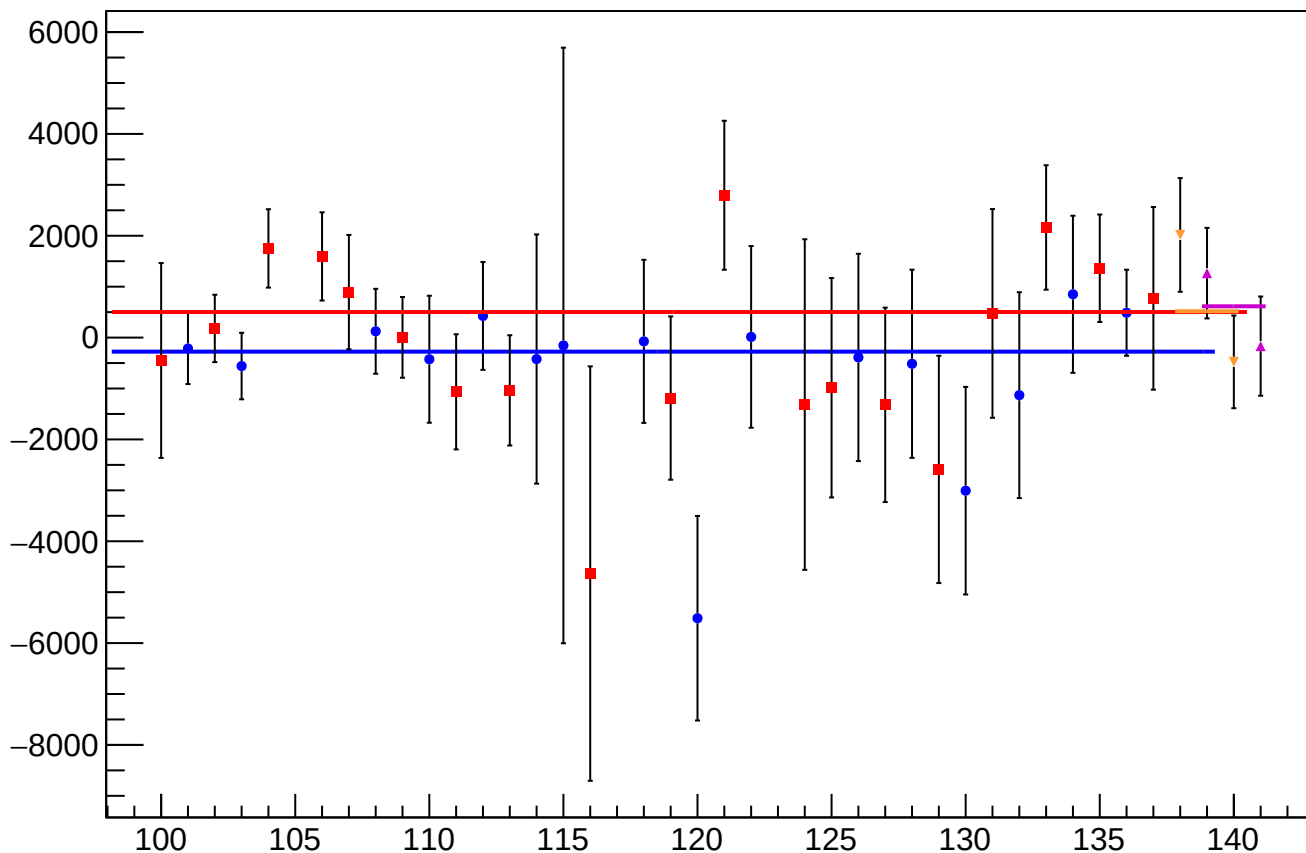
Left In: 884.919 $\pm$ 0.479 χ^2 /NDF:12971.6/1

+ sign 791.892 $\pm$ 0.199 χ^2 /NDF: 1831252.5/17

All: 762.453 $\pm$ 0.134 χ^2 /NDF: 3762465.8/38

- sign 737.671 $\pm$ 0.183 χ^2 /NDF: 1890879.6/20

asym_sam5_mean vs Slug



Right In: -276.199 ± 296.708 χ^2/NDF : 11.1/15

Left Out: 518.143 ± 705.542 χ^2/NDF : 3.0/1

Right Out: 501.985 ± 272.991 χ^2/NDF : 20.5/18

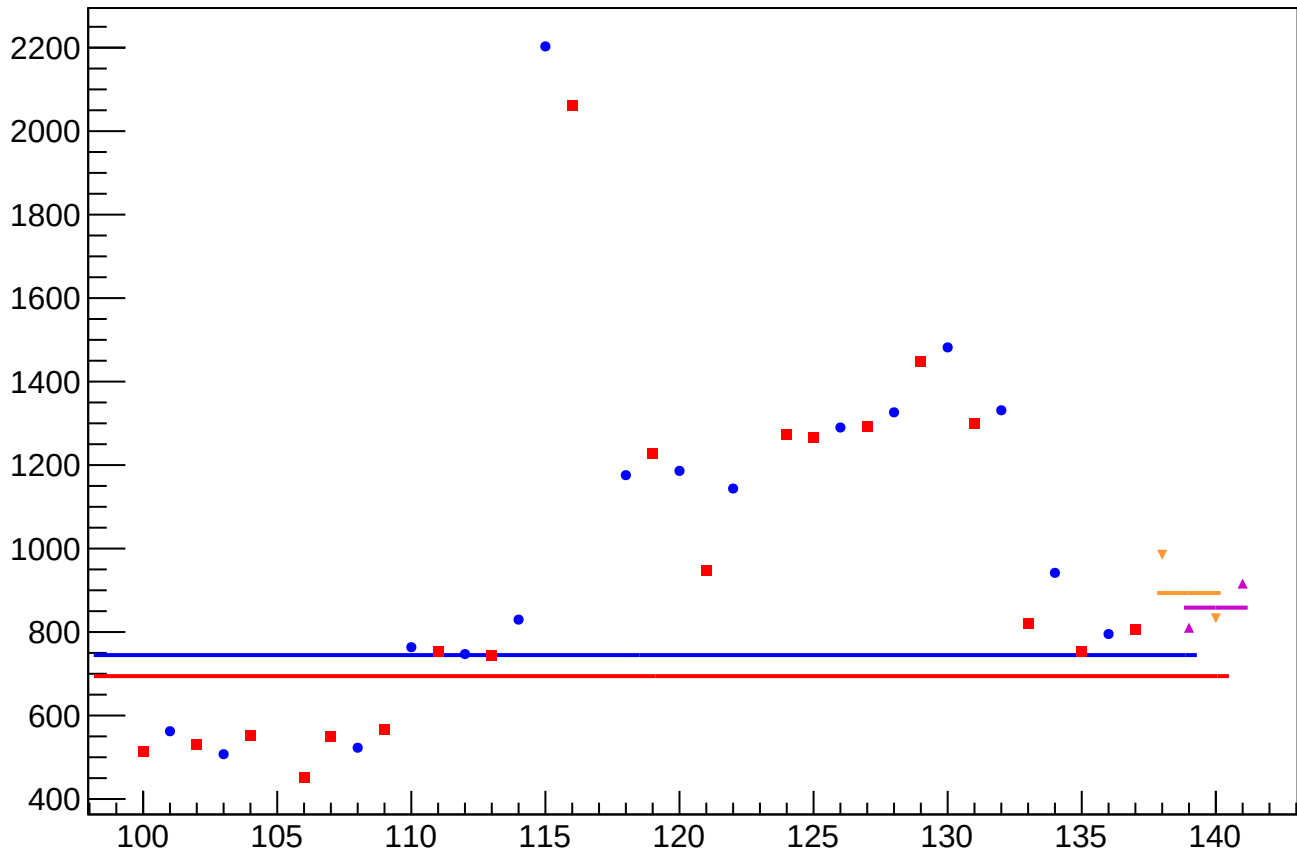
Left In: 614.484 ± 656.814 χ^2/NDF : 1.2/1

+ sign -156.827 ± 273.507 χ^2/NDF : 15.1/17

All: 208.347 ± 185.362 χ^2/NDF : 40.1/38

- sign 518.556 ± 252.084 χ^2/NDF : 21.7/20

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF : 1822553.5/15

Left Out: 893.583+/-0.499 χ^2/NDF : 22326.6/1

Right Out: 694.348+/-0.193 χ^2/NDF : 1803741.9/18

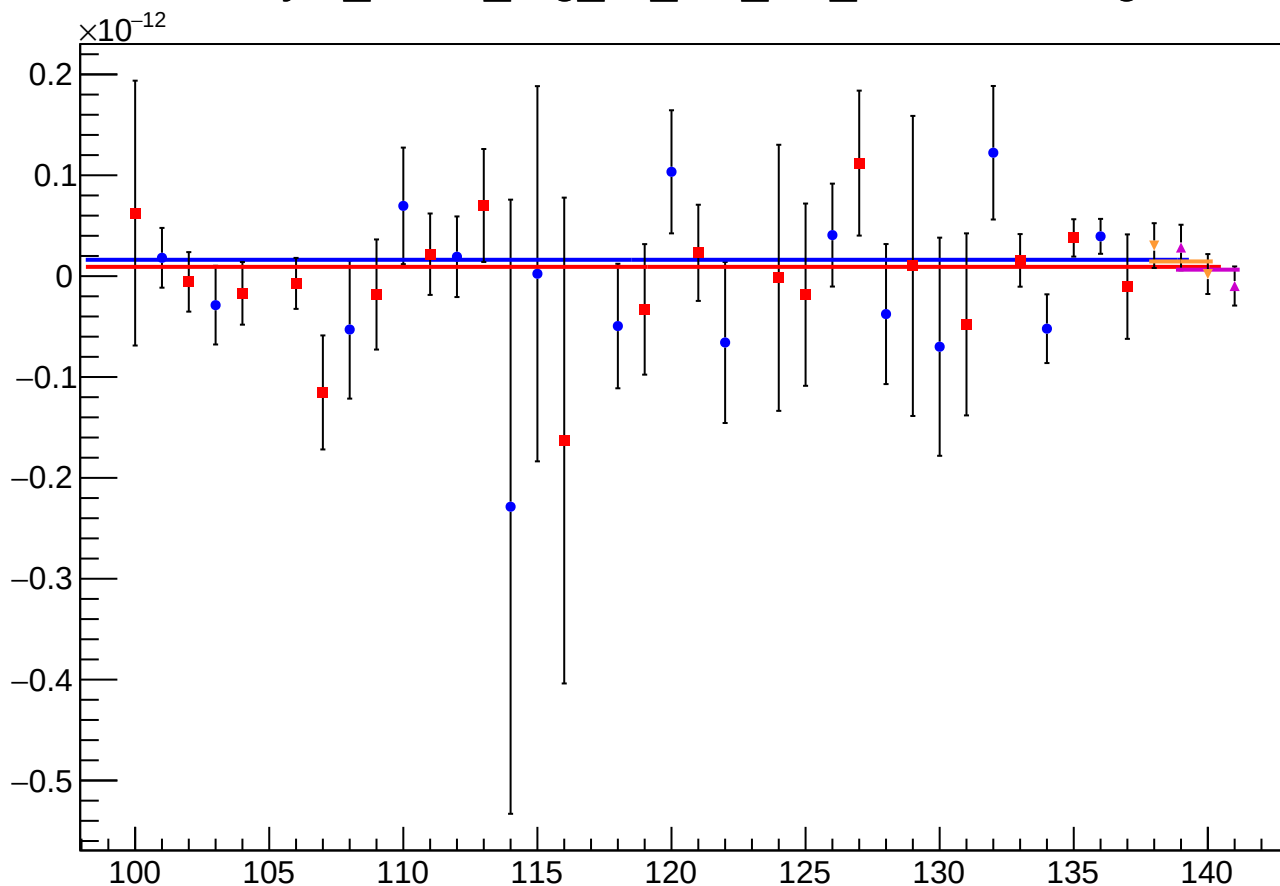
Left In: 858.436+/-0.464 χ^2/NDF : 12848.0/1

+ sign 767.144+/-0.193 χ^2/NDF : 1920470.6/17

All: 740.853+/-0.131 χ^2/NDF : 3877677.3/38

- sign 718.519+/-0.178 χ^2/NDF : 1923027.0/20

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.0/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.1/18

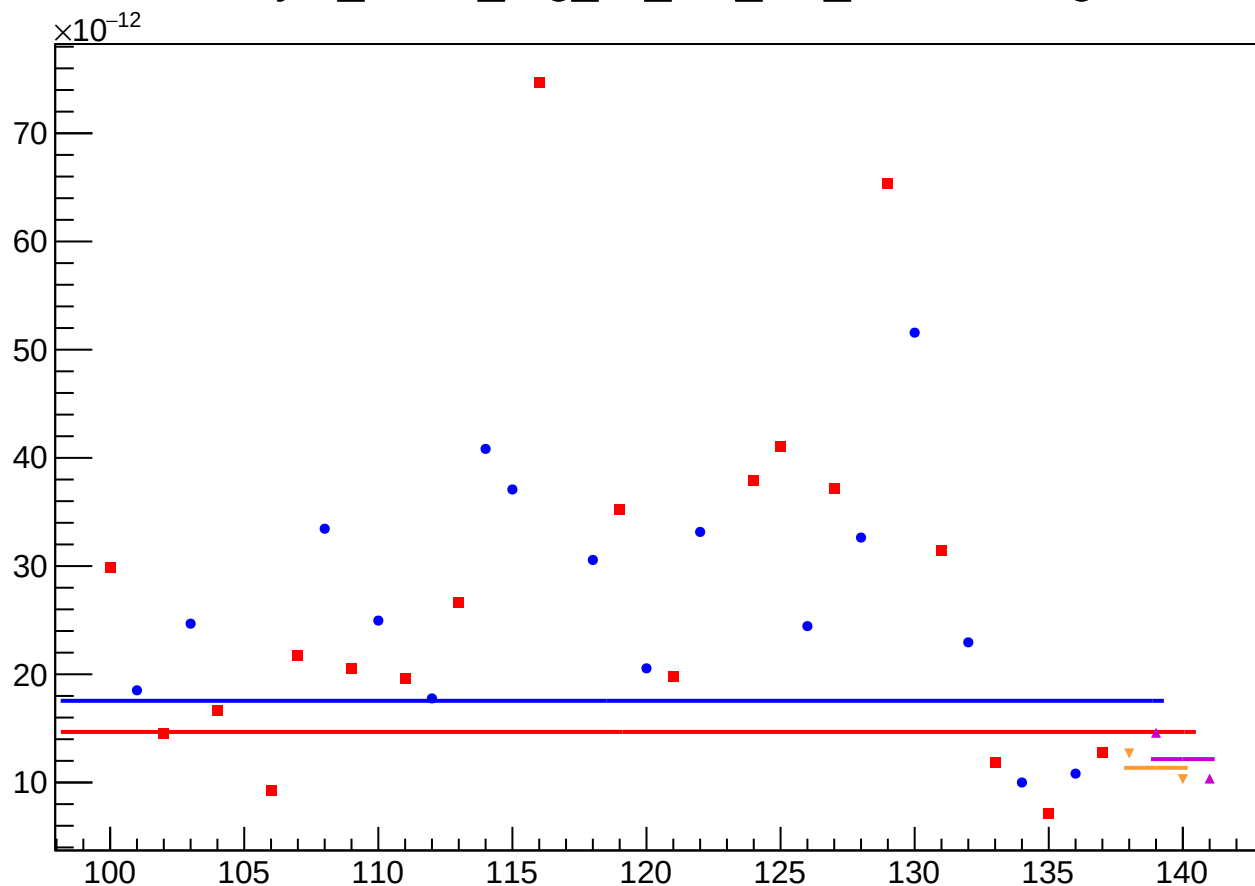
Left In: 0.000 ± 0.000 χ^2/NDF : 1.6/1

+ sign 0.000 ± 0.000 χ^2/NDF : 18.9/17

All: 0.000 ± 0.000 χ^2/NDF : 35.0/38

- sign 0.000 ± 0.000 χ^2/NDF : 15.8/20

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

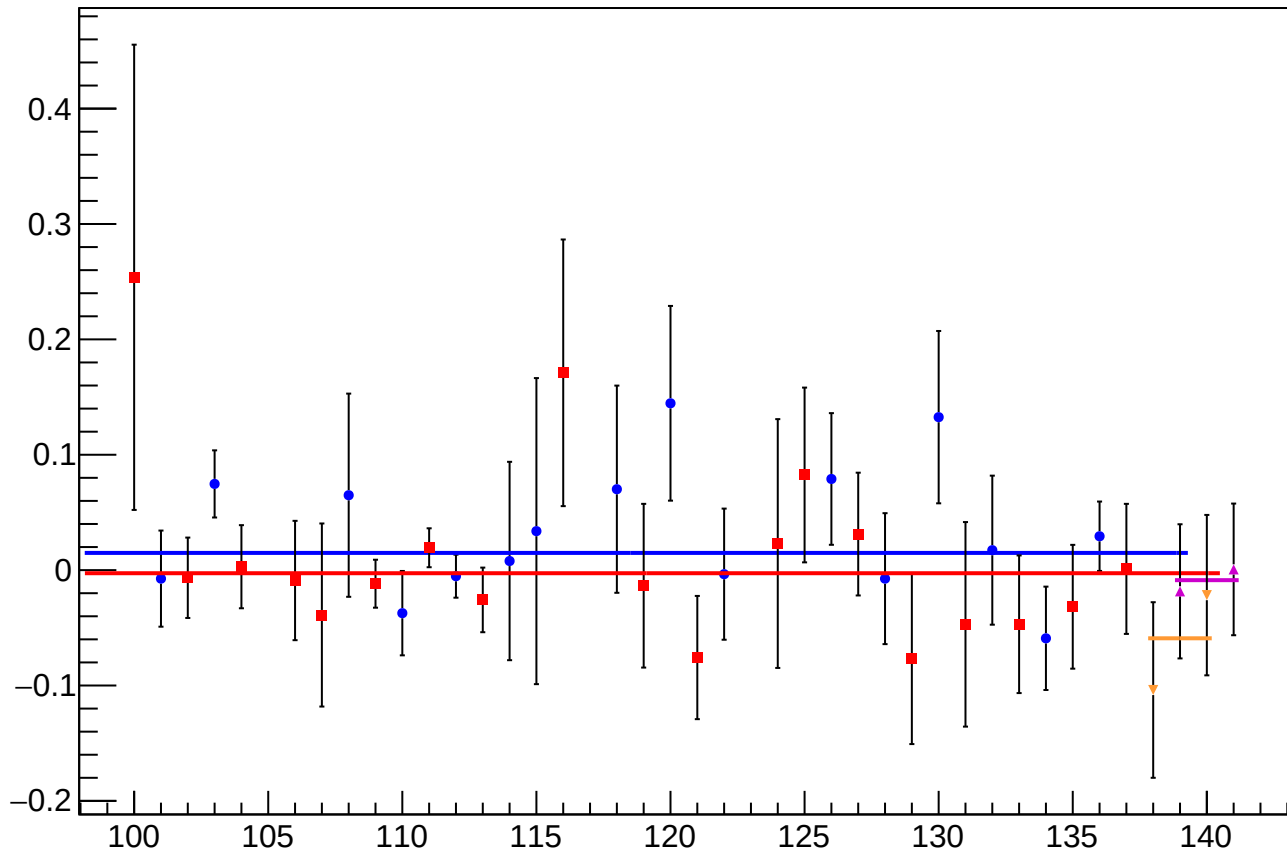
Left In: 0.000+/-0.000 χ^2/NDF : 40470.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 1400144.5/17

All: 0.000+/-0.000 χ^2/NDF : 3255360.5/38

- sign 0.000+/-0.000 χ^2/NDF : 1823523.4/20

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

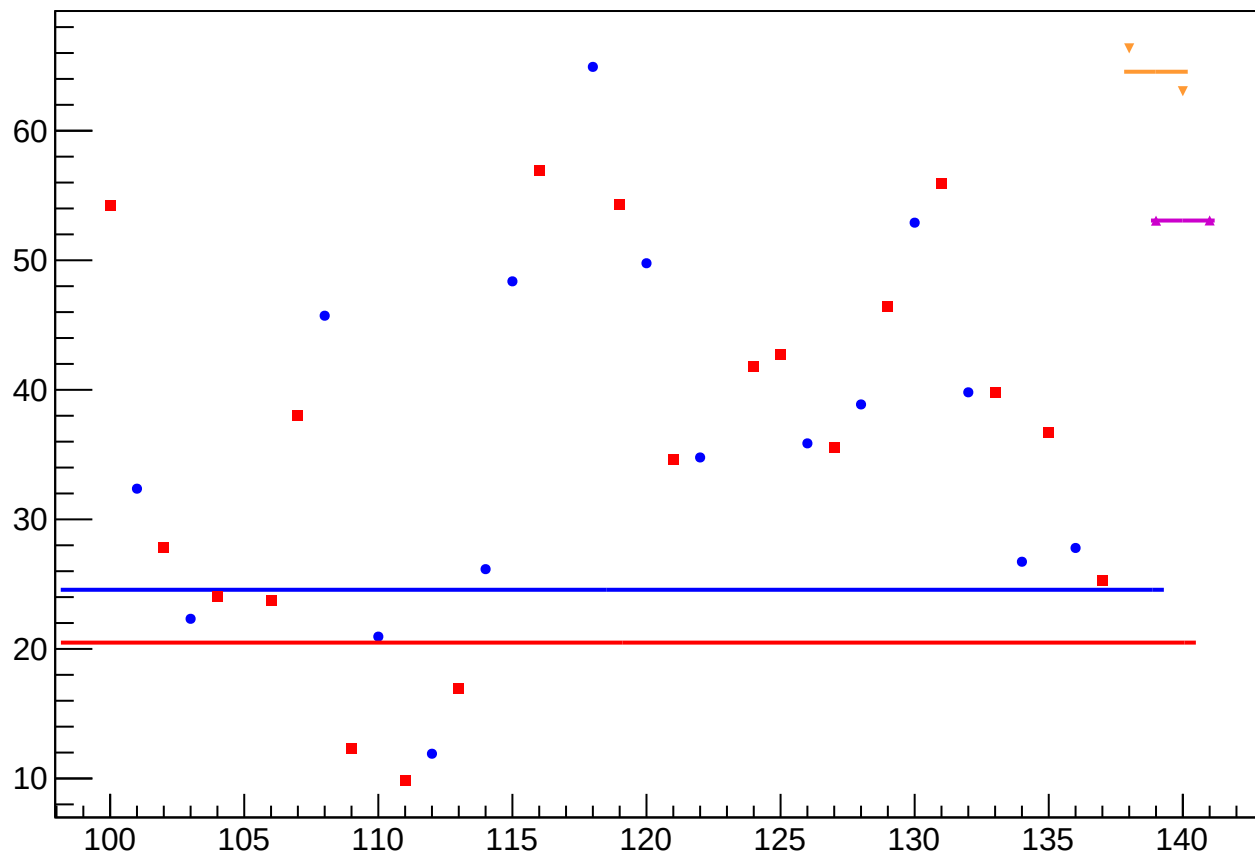
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/38

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

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

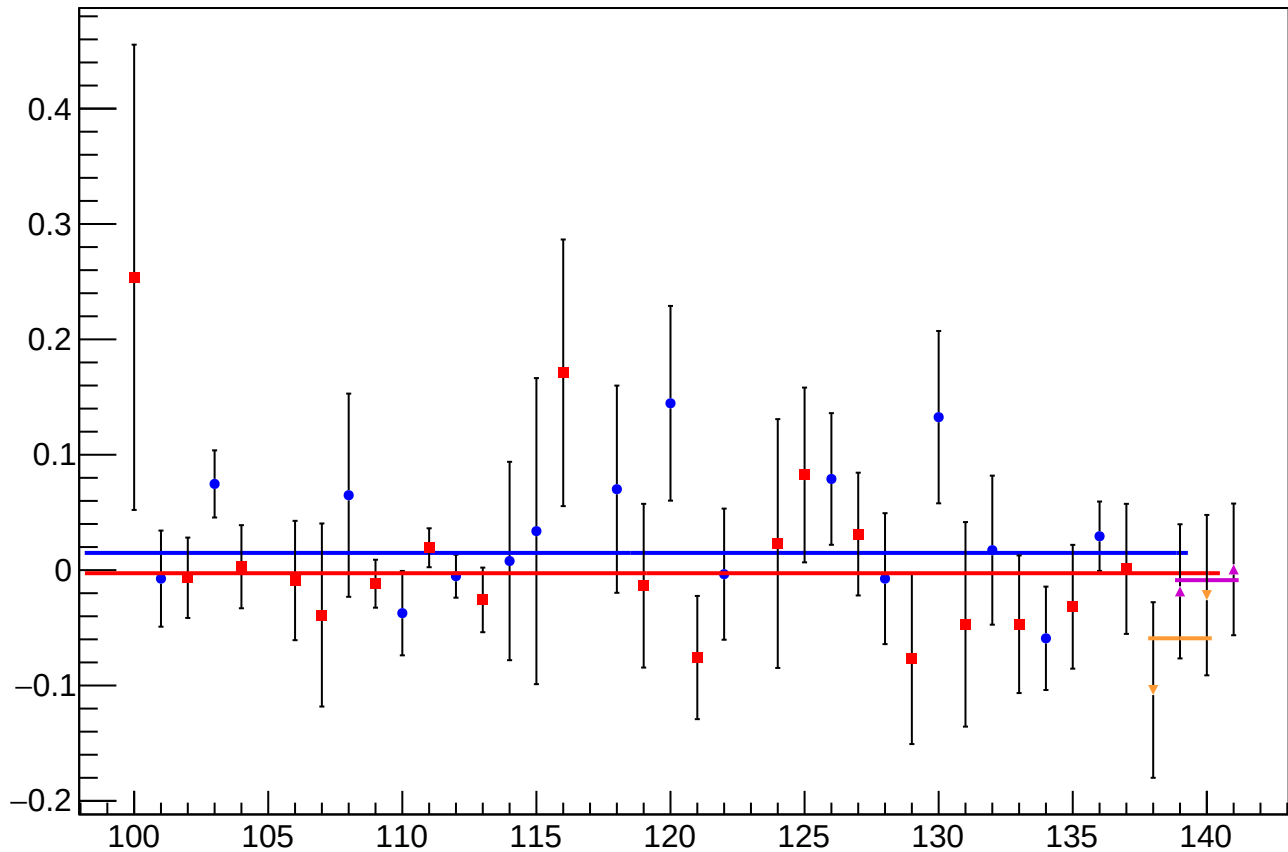
Left In: 53.068+/-0.029 χ^2/NDF : 0.1/1

+ sign 26.198+/-0.007 χ^2/NDF : 3651141.4/17

All: 23.848+/-0.005 χ^2/NDF : 8632855.2/38

- sign 22.078+/-0.006 χ^2/NDF : 4801615.6/20

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

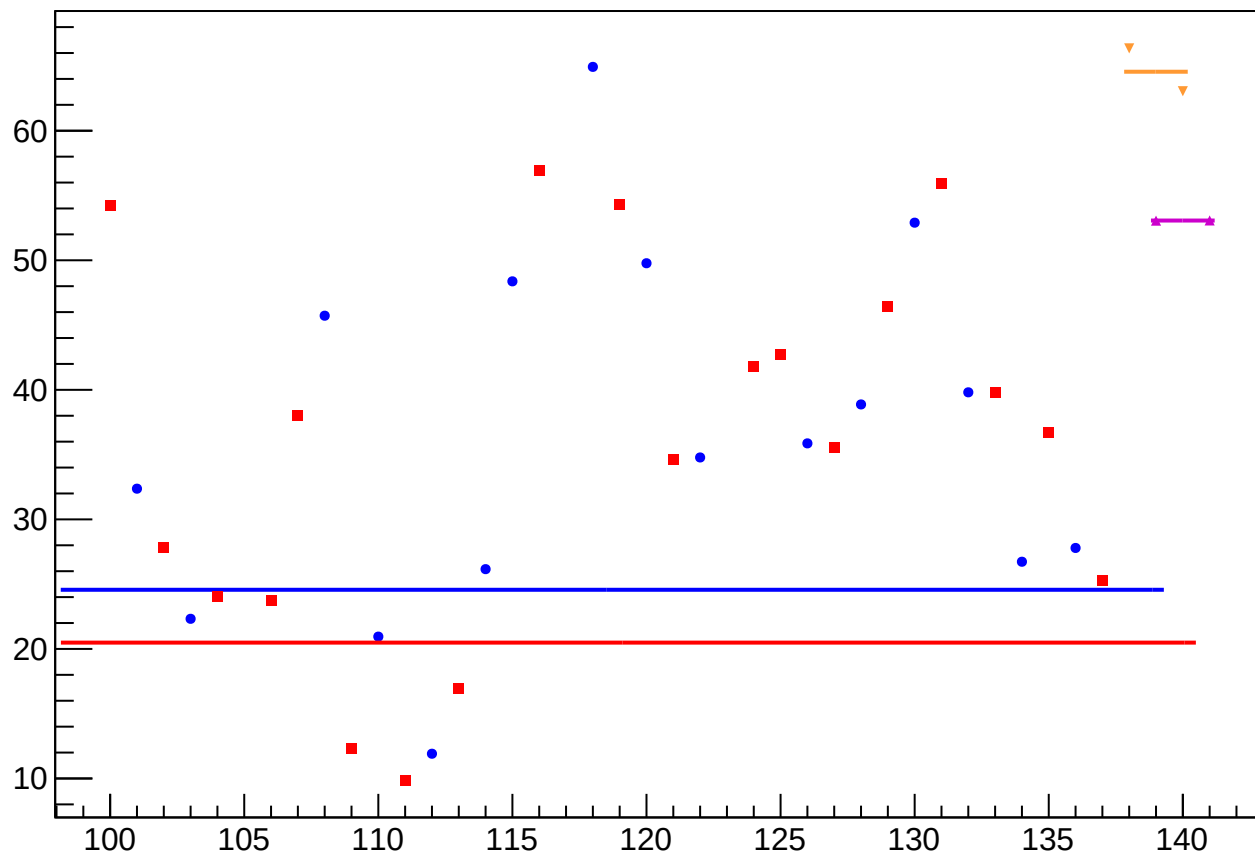
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/38

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 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

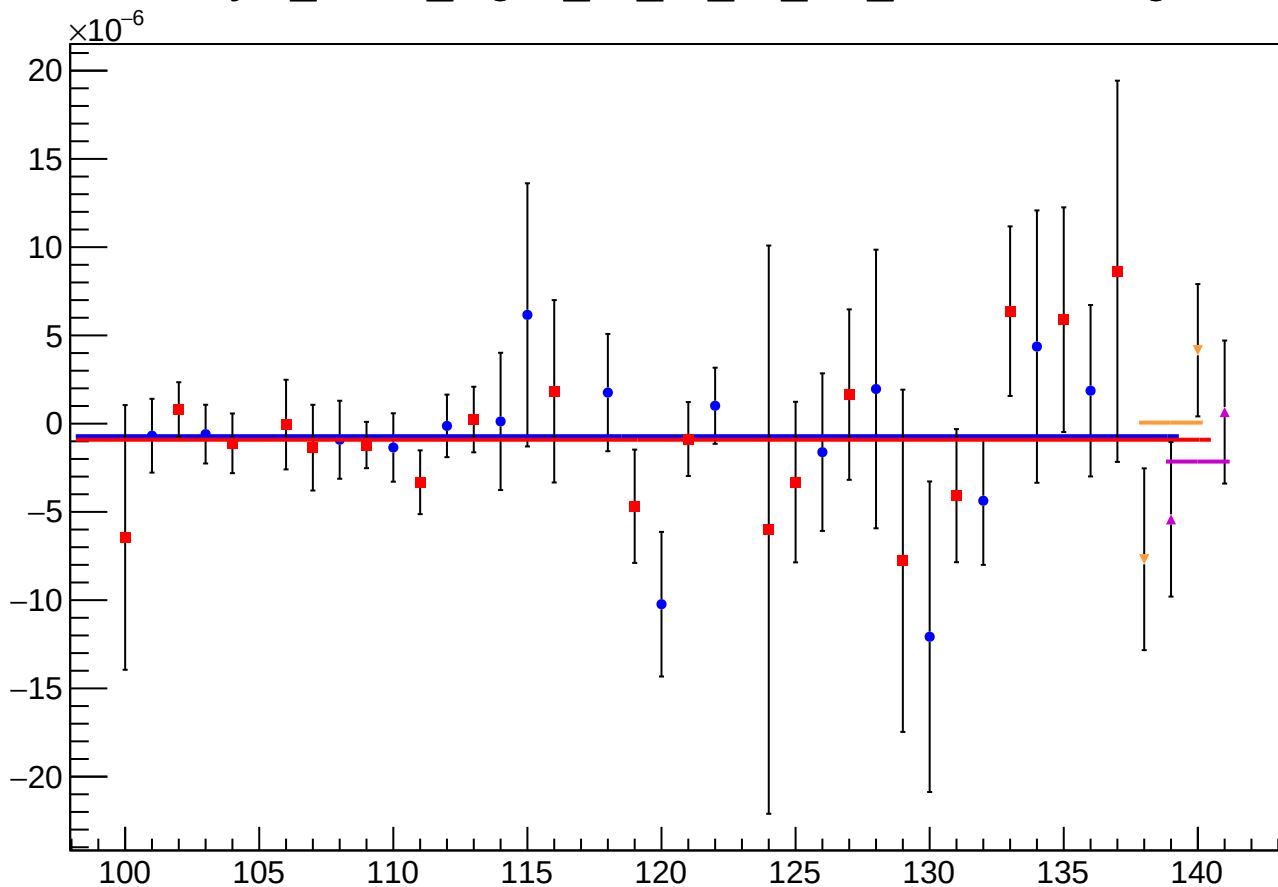
Left In: 53.068 $\pm$ 0.029 χ^2 /NDF:0.1/1

+ sign 26.198 $\pm$ 0.007 χ^2 /NDF: 3651141.4/17

All: 23.848 $\pm$ 0.005 χ^2 /NDF: 8632855.2/38

- sign 22.078 $\pm$ 0.006 χ^2 /NDF: 4801615.6/20

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

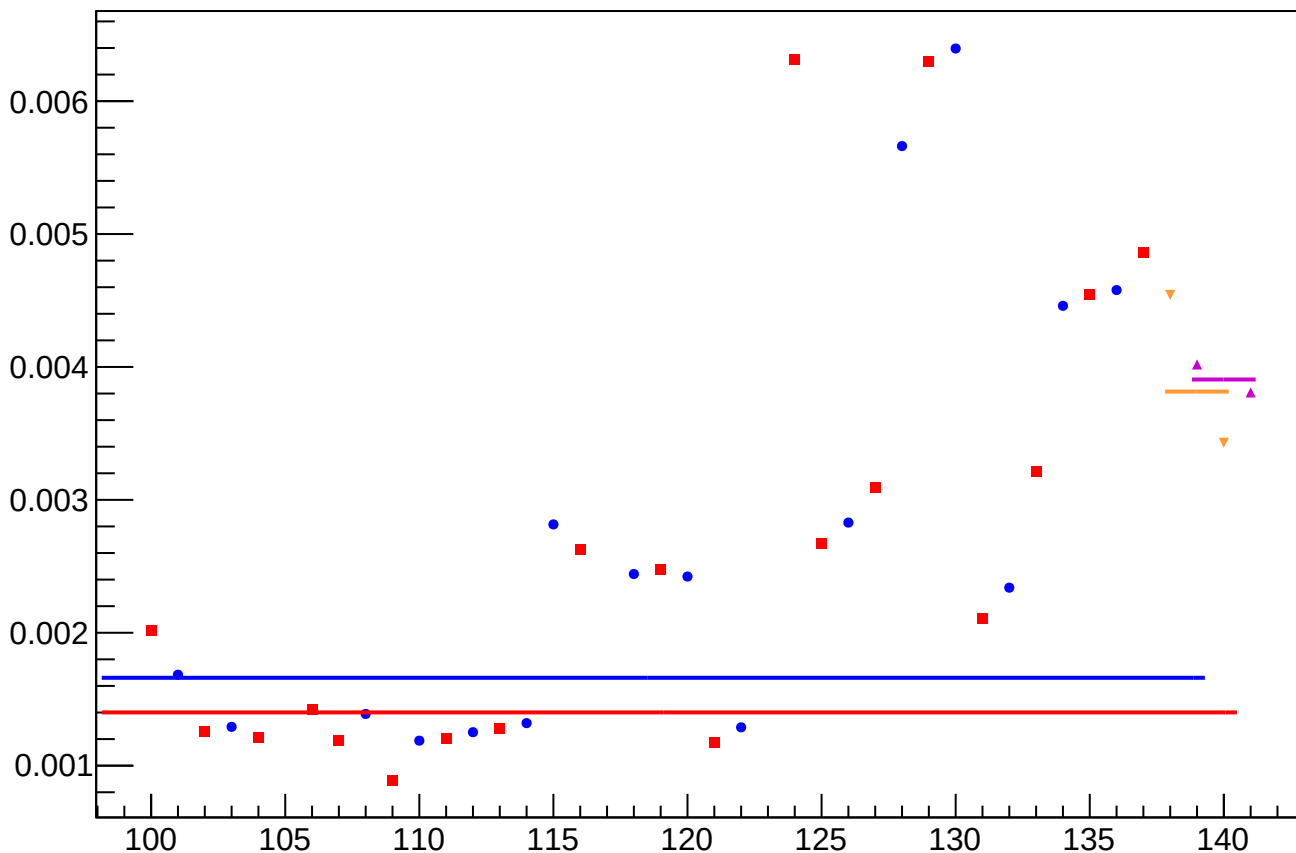
Left In: -0.000 ± 0.000 χ^2/NDF : 1.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 14.8/17

All: -0.000 ± 0.000 χ^2/NDF : 28.0/38

- sign -0.000 ± 0.000 χ^2/NDF : 13.1/20

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 2942035.6/15$

Left Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 61016.6/1$

Right Out: 0.001 ± 0.000 $\chi^2/\text{NDF}: 2915624.2/18$

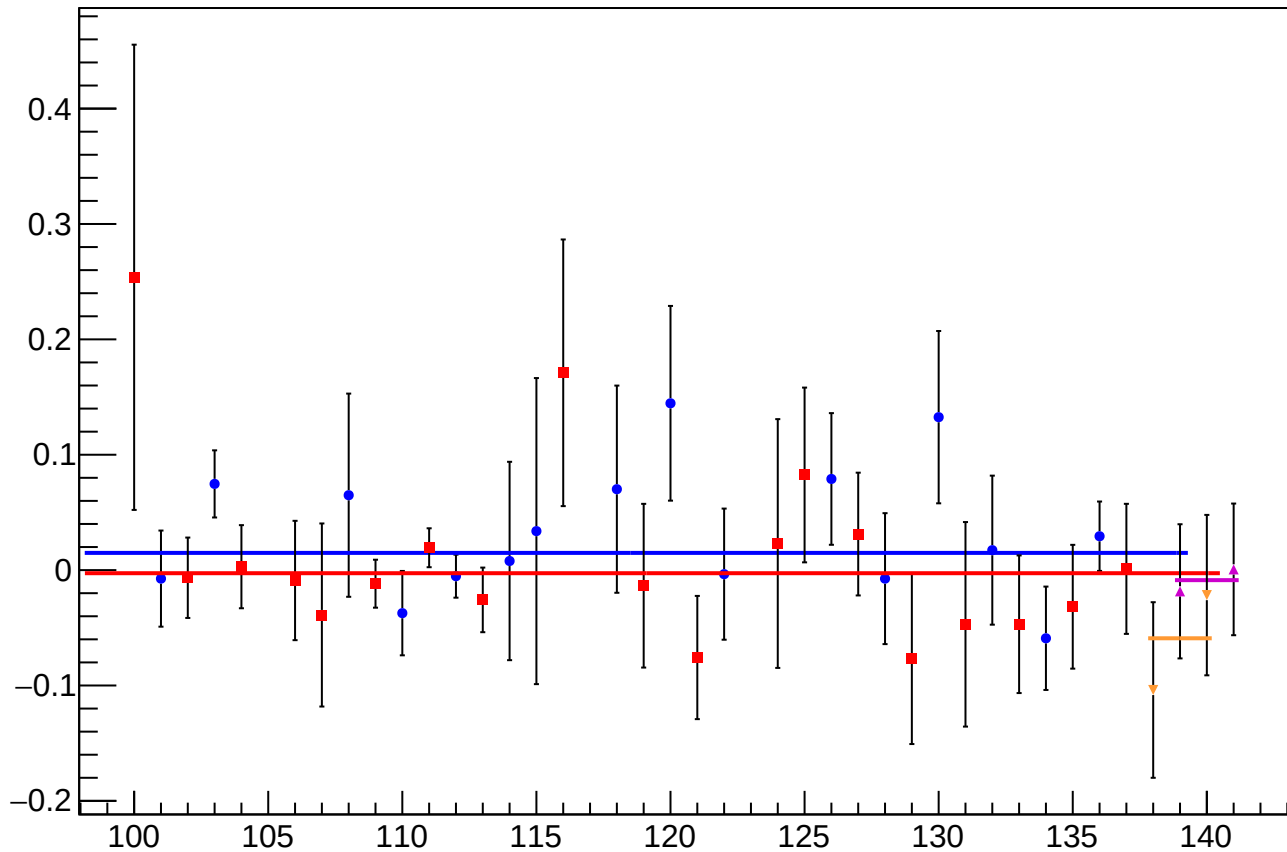
Left In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 2495.1/1$

+ sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 3961869.6/17$

All: 0.002 ± 0.000 $\chi^2/\text{NDF}: 8436246.7/38$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 4283985.5/20$

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.059 ± 0.051 χ^2/NDF : 0.6/1

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

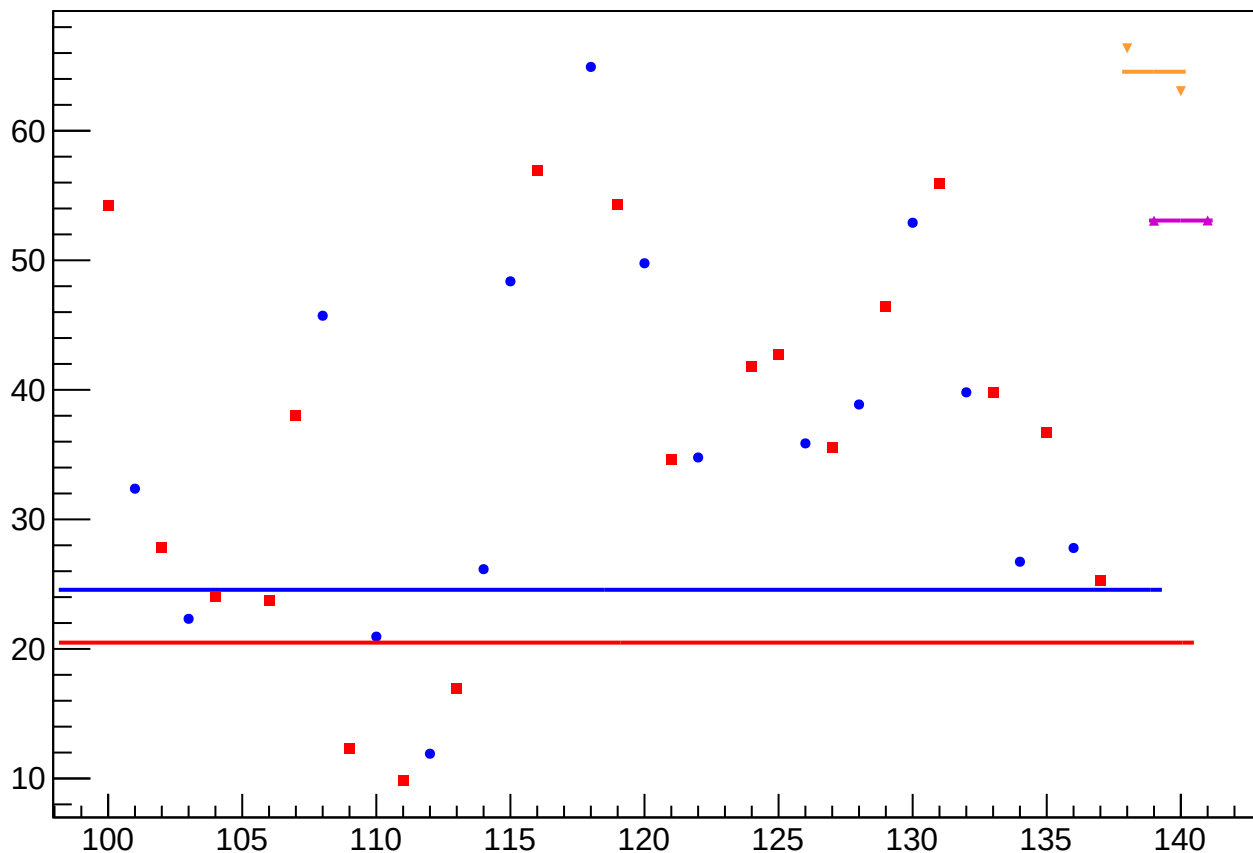
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/38

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF : 2484434.5/15

Left Out: 64.557+/-0.036 χ^2/NDF : 2061.6/1

Right Out: 20.487+/-0.007 χ^2/NDF : 3583888.1/18

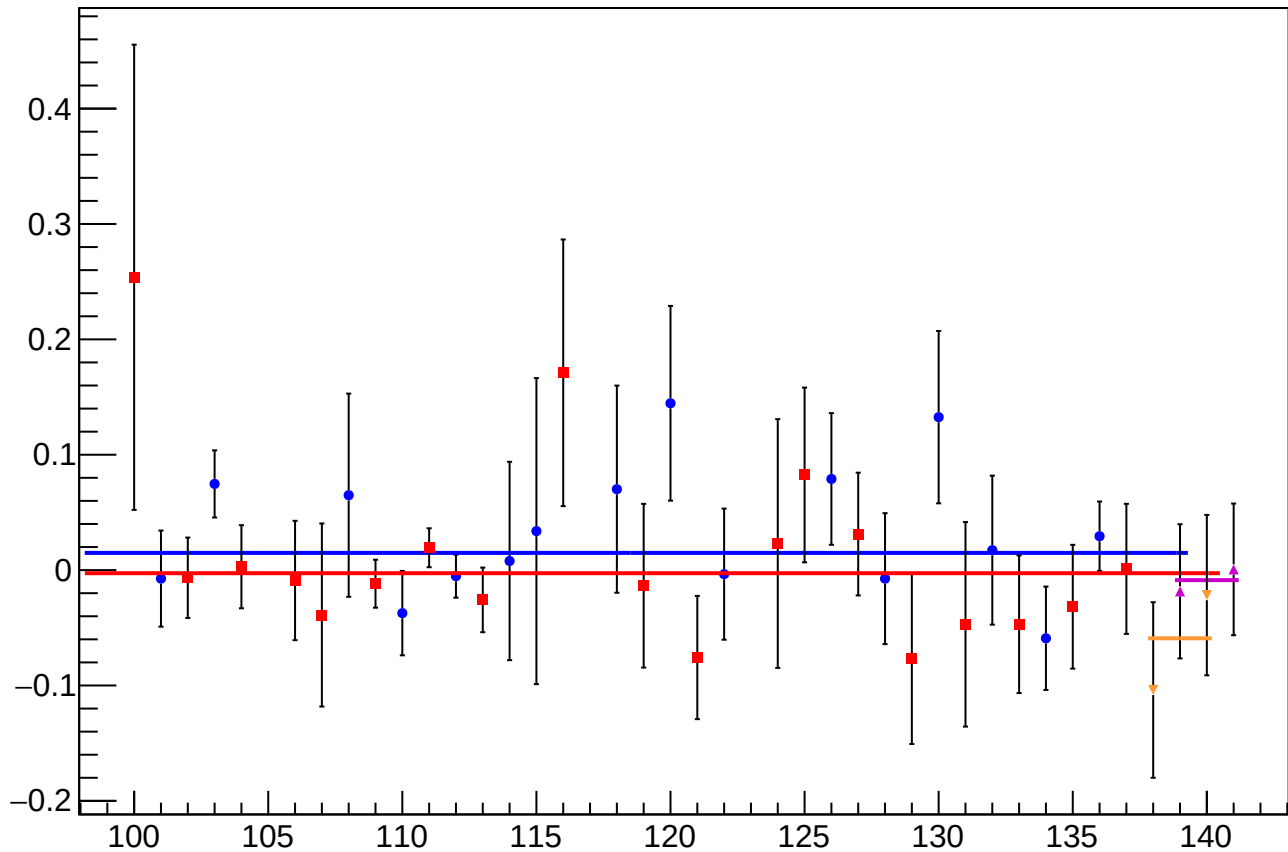
Left In: 53.070+/-0.029 χ^2/NDF : 0.1/1

+ sign 26.198+/-0.007 χ^2/NDF : 3651136.8/17

All: 23.848+/-0.005 χ^2/NDF : 8632924.8/38

- sign 22.078+/-0.006 χ^2/NDF : 4801680.7/20

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

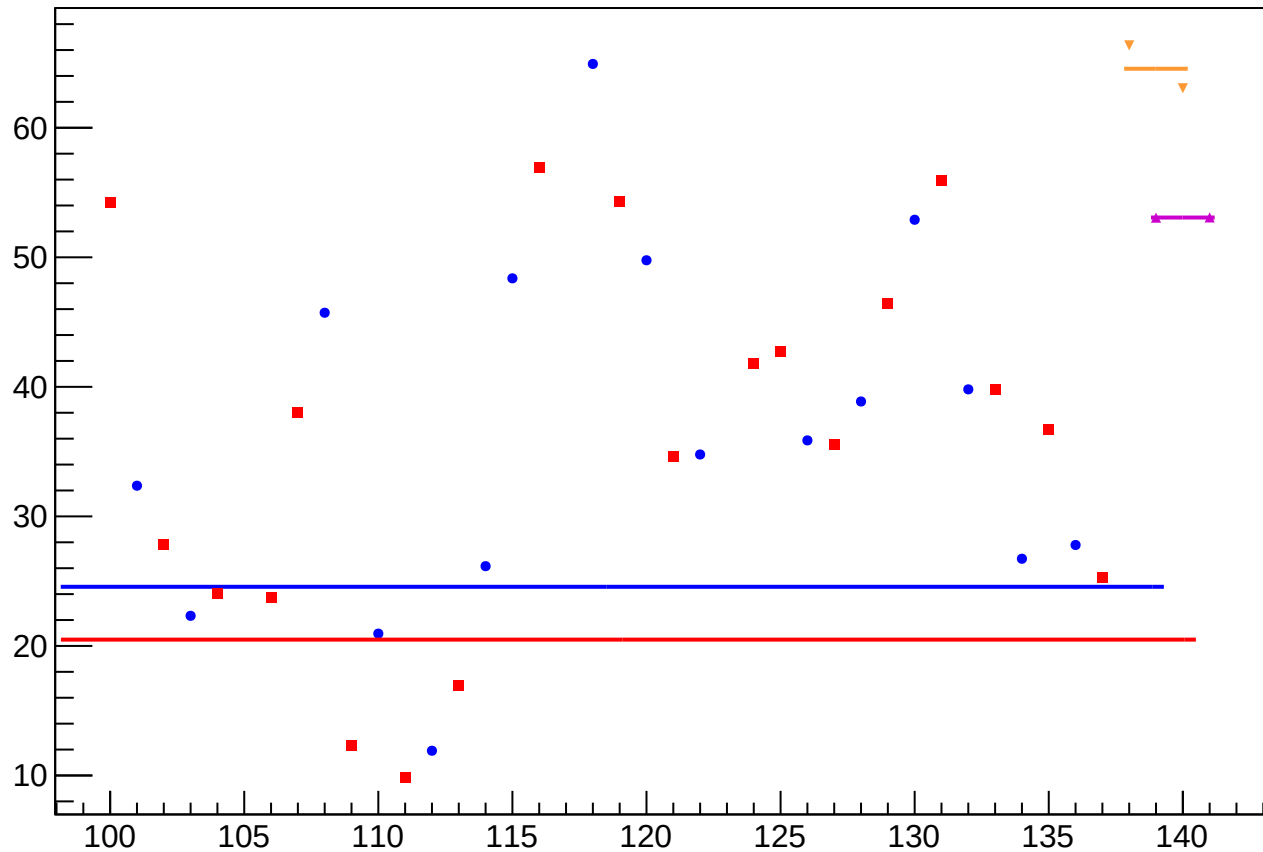
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.012 ± 0.010 χ^2/NDF : 20.4/17

All: 0.003 ± 0.007 χ^2/NDF : 34.1/38

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

asym_sam5_eigen_dit_vs_eigen_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

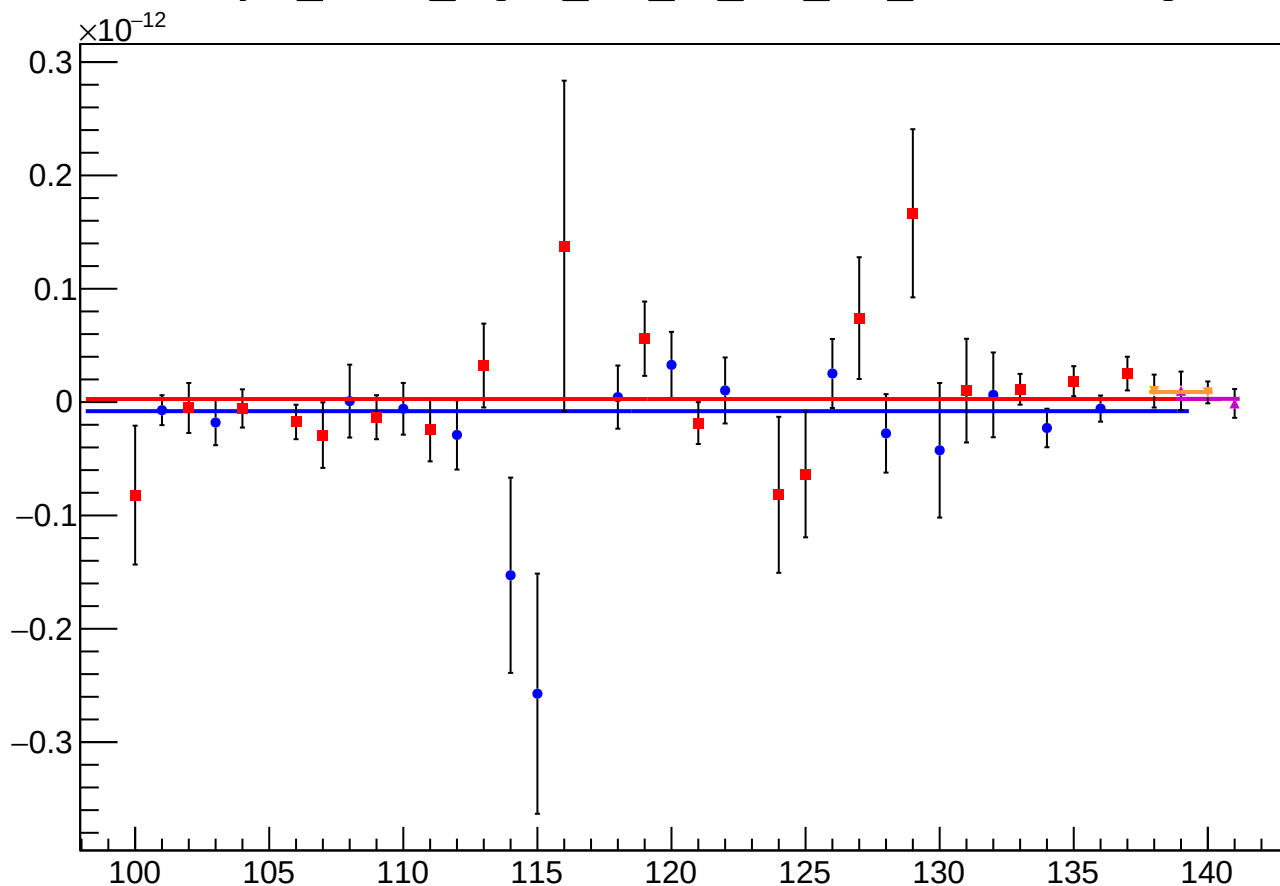
Left In: 53.070+/-0.029 χ^2/NDF : 0.1/1

+ sign 26.198+/-0.007 χ^2/NDF : 3651136.8/17

All: 23.848+/-0.005 χ^2/NDF : 8632924.8/38

- sign 22.078+/-0.006 χ^2/NDF : 4801680.7/20

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 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

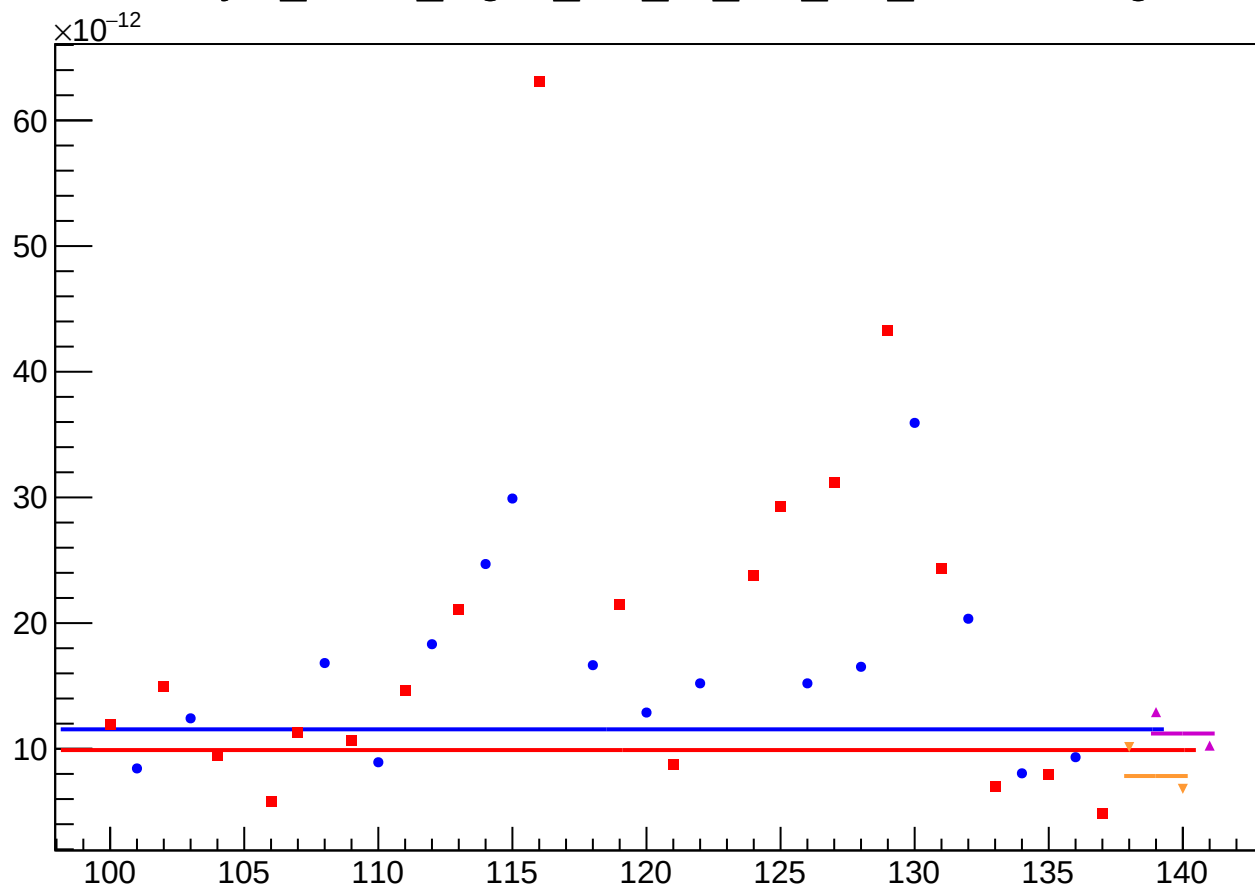
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

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

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/20

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

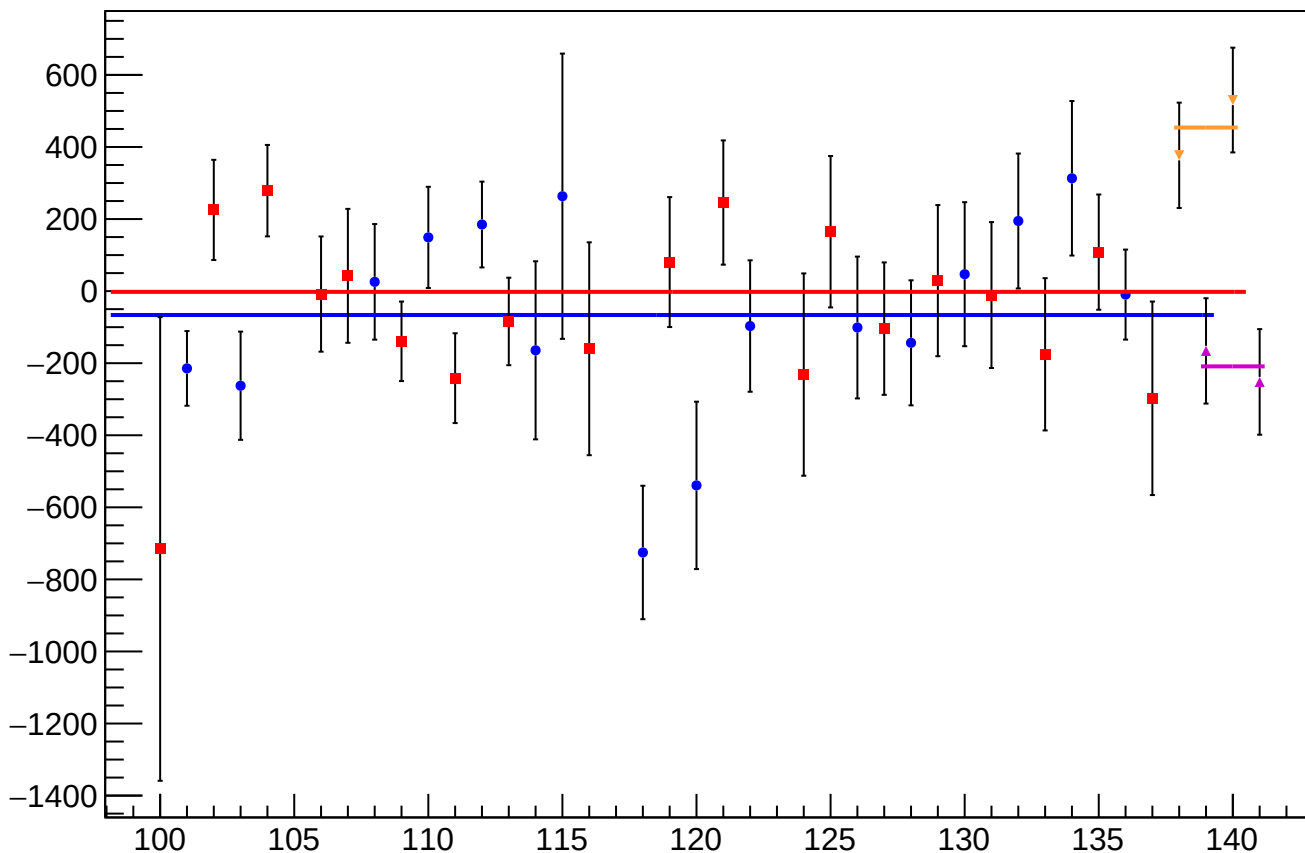
Left In: 0.000+/-0.000 χ^2/NDF : 31663.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 1534145.4/17

All: 0.000+/-0.000 χ^2/NDF : 4228712.8/38

- sign 0.000+/-0.000 χ^2/NDF : 2693978.0/20

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

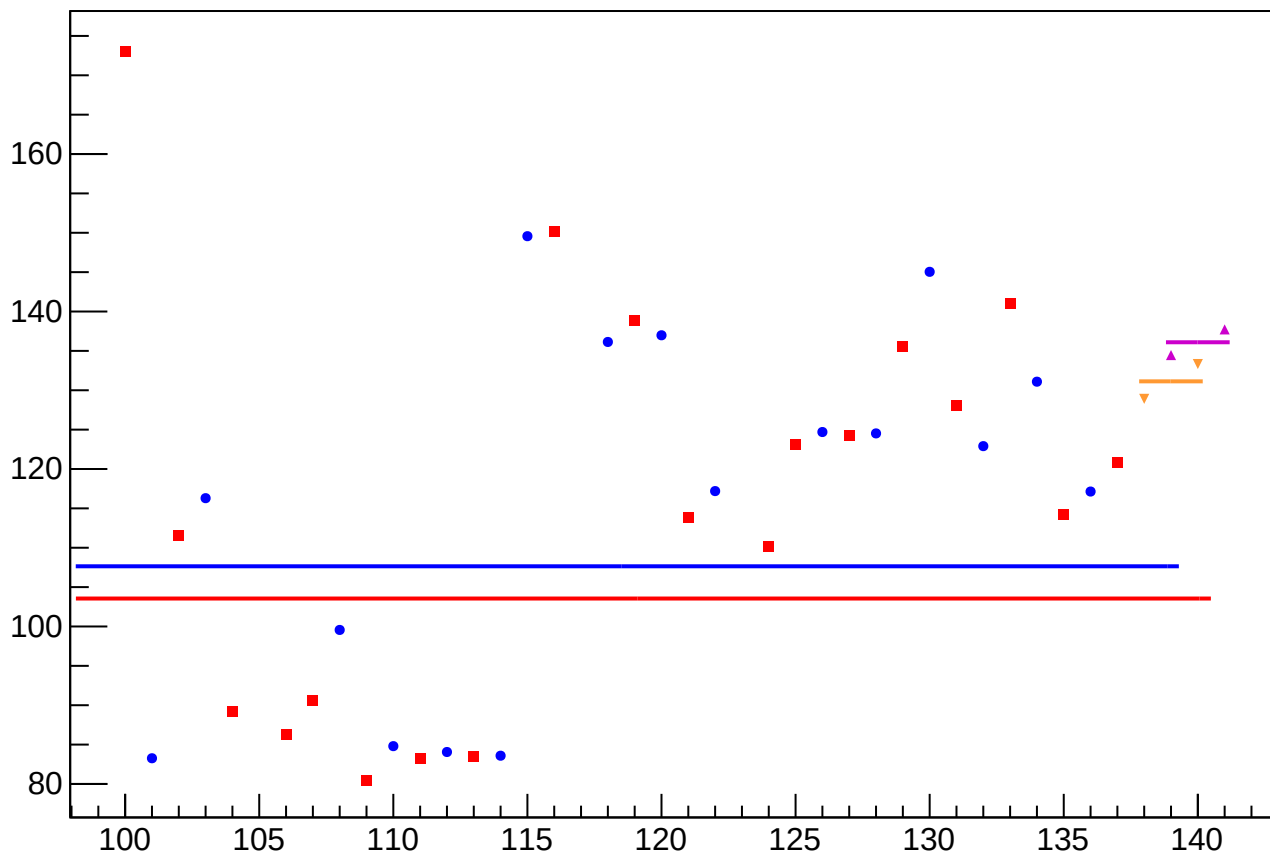
Left In: -208.827 ± 103.488 χ^2/NDF : 0.2/1

+ sign 4.670 ± 38.045 χ^2/NDF : 57.0/17

All: -12.175 ± 26.295 χ^2/NDF : 82.1/38

- sign -27.582 ± 36.385 χ^2/NDF : 24.8/20

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

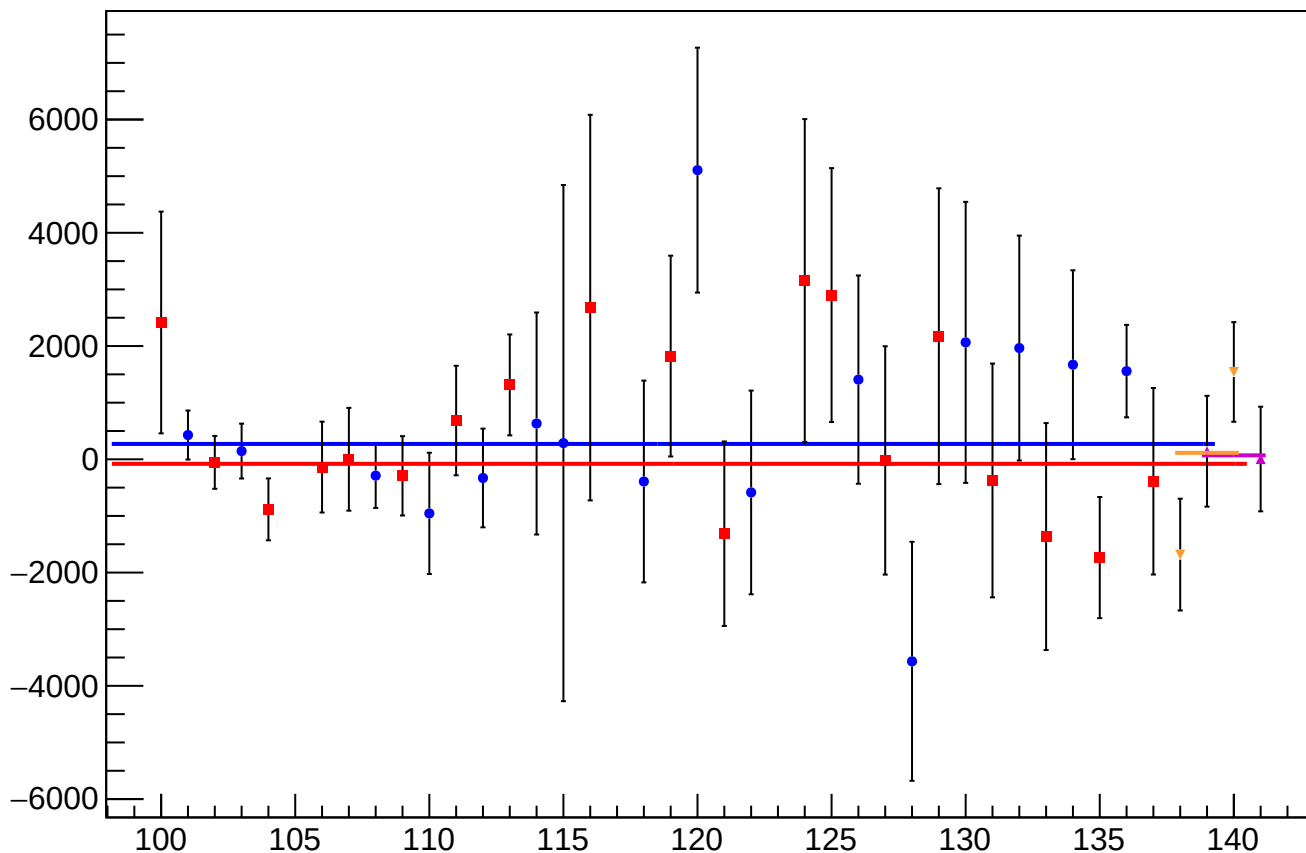
Left In: 136.096 $\pm$ 0.073 χ^2 /NDF: 496.2/1

+ sign 110.845 $\pm$ 0.027 χ^2 /NDF: 623466.8/17

All: 109.136 $\pm$ 0.019 χ^2 /NDF: 1422392.2/38

- sign 107.573 $\pm$ 0.026 χ^2 /NDF: 791197.9/20

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

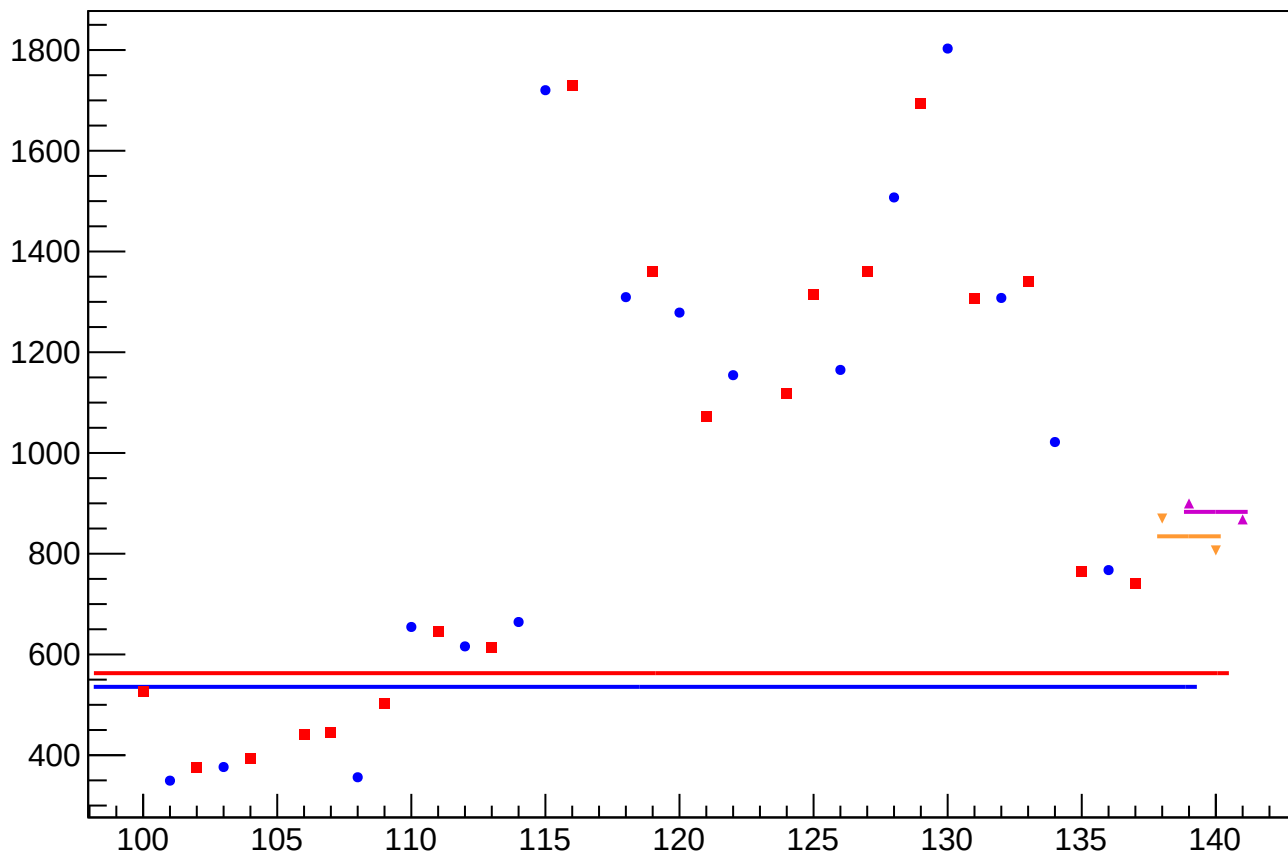
Left In: 70.076 $\pm$ 671.776 χ^2 /NDF: 0.0/1

+ sign 254.257 $\pm$ 217.630 χ^2 /NDF: 22.5/17

All: 96.397 $\pm$ 154.517 χ^2 /NDF: 39.6/38

- sign -64.073 $\pm$ 219.421 χ^2 /NDF: 16.1/20

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF : 3632390.5/15

Left Out: 834.530+/-0.464 χ^2/NDF : 4586.5/1

Right Out: 562.845+/-0.164 χ^2/NDF : 3111031.5/18

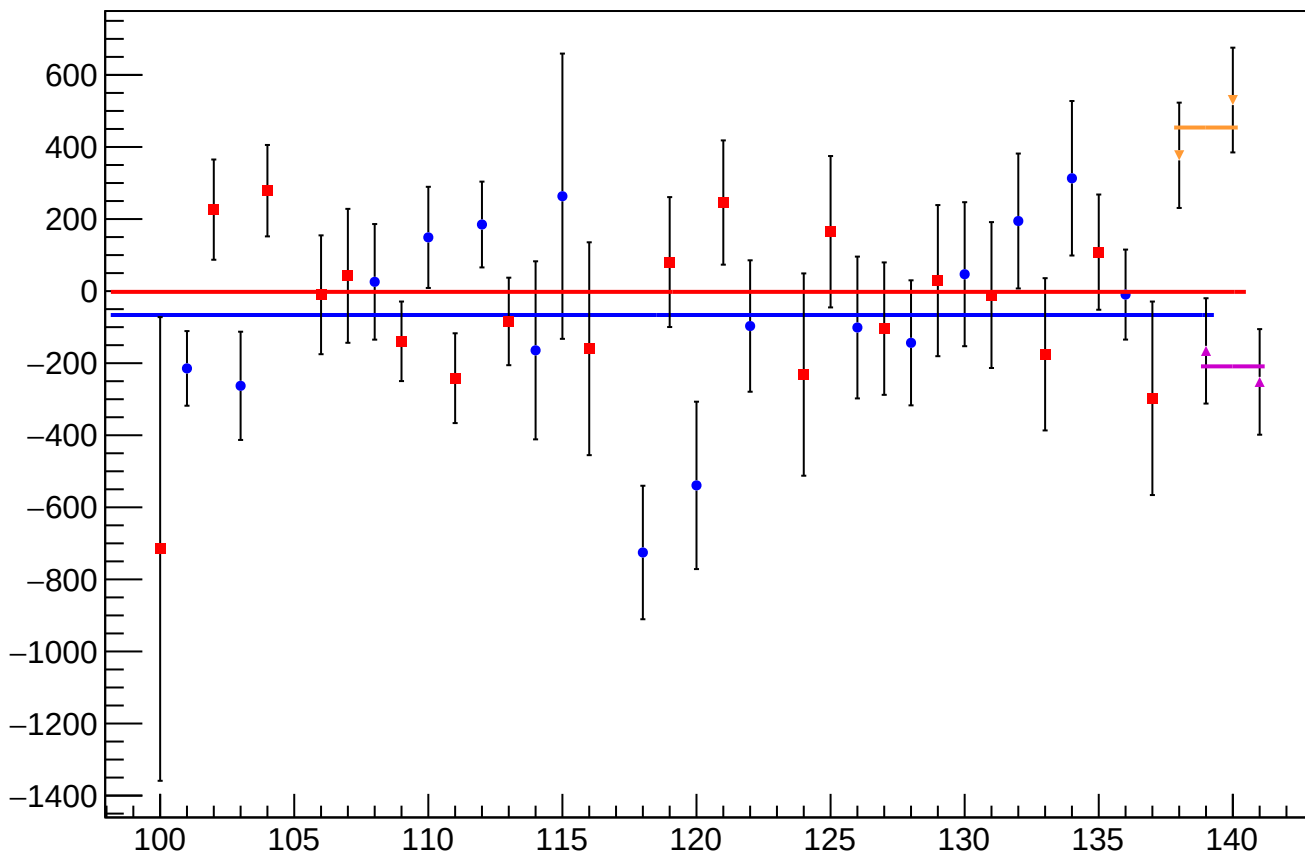
Left In: 883.069+/-0.475 χ^2/NDF : 1105.9/1

+ sign 568.499+/-0.154 χ^2/NDF : 4005626.7/17

All: 582.637+/-0.109 χ^2/NDF : 7540753.2/38

- sign 597.008+/-0.155 χ^2/NDF : 3518106.9/20

cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 453.998 ± 103.057 χ^2/NDF : 0.6/1

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

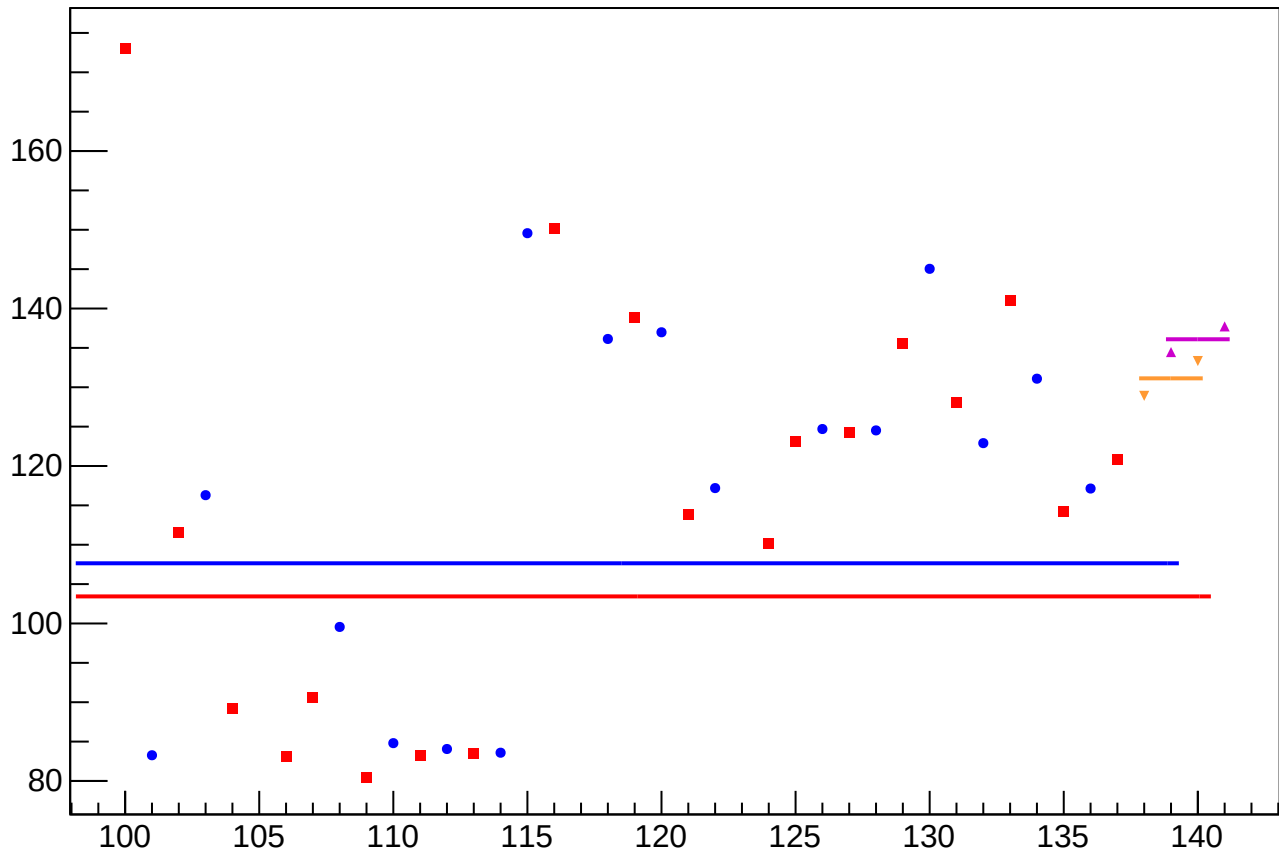
Left In: -208.828 ± 103.488 χ^2/NDF : 0.2/1

+ sign 4.647 ± 38.045 χ^2/NDF : 57.0/17

All: -12.223 ± 26.317 χ^2/NDF : 82.1/38

- sign -27.702 ± 36.442 χ^2/NDF : 24.8/20

cor_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532822.8/15

Left Out: 131.131 $\pm$ 0.073 χ^2 /NDF: 919.8/1

Right Out: 103.438 $\pm$ 0.028 χ^2 /NDF: 624750.2/18

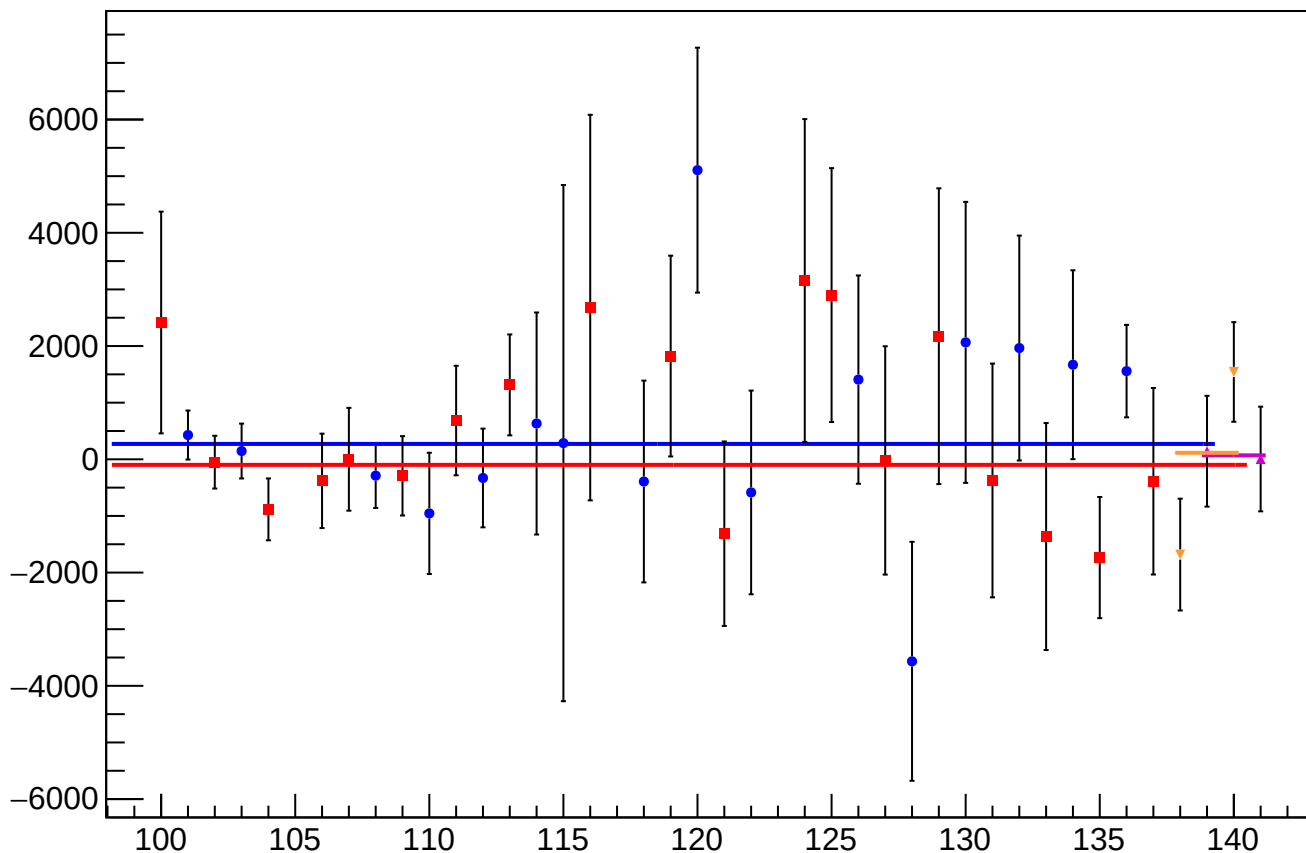
Left In: 136.096 $\pm$ 0.073 χ^2 /NDF: 496.2/1

+ sign 110.845 $\pm$ 0.027 χ^2 /NDF: 623467.5/17

All: 109.094 $\pm$ 0.019 χ^2 /NDF: 1431312.5/38

- sign 107.487 $\pm$ 0.026 χ^2 /NDF: 799720.9/20

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

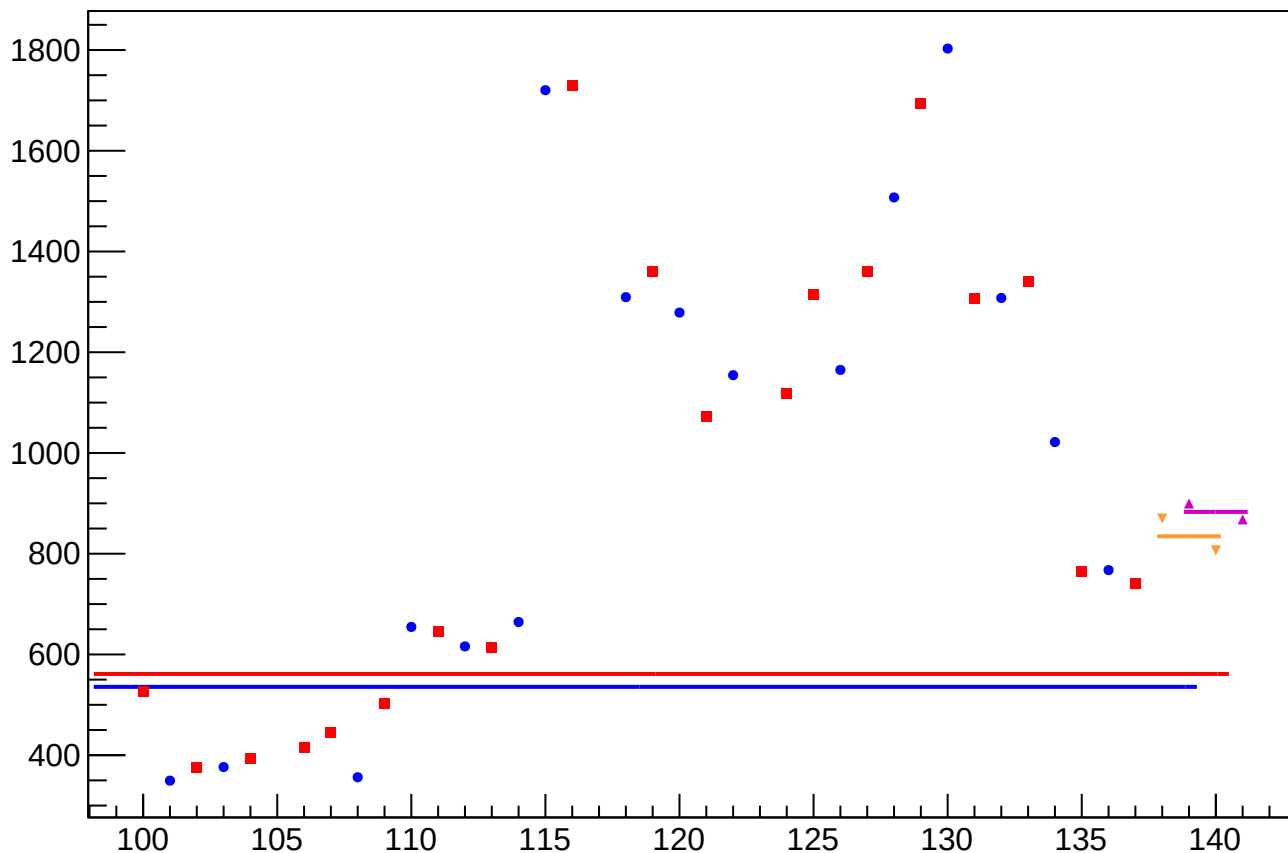
Left In: 70.098 $\pm$ 671.776 χ^2 /NDF: 0.0/1

+ sign 254.385 $\pm$ 217.624 χ^2 /NDF: 22.5/17

All: 89.048 $\pm$ 154.699 χ^2 /NDF: 39.8/38

- sign -79.843 $\pm$ 219.950 χ^2 /NDF: 16.2/20

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661 $\pm$ 0.163 χ^2 /NDF: 3632591.0/15

Left Out: 834.530 $\pm$ 0.464 χ^2 /NDF: 4586.8/1

Right Out: 561.270 $\pm$ 0.165 χ^2 /NDF: 3130760.7/18

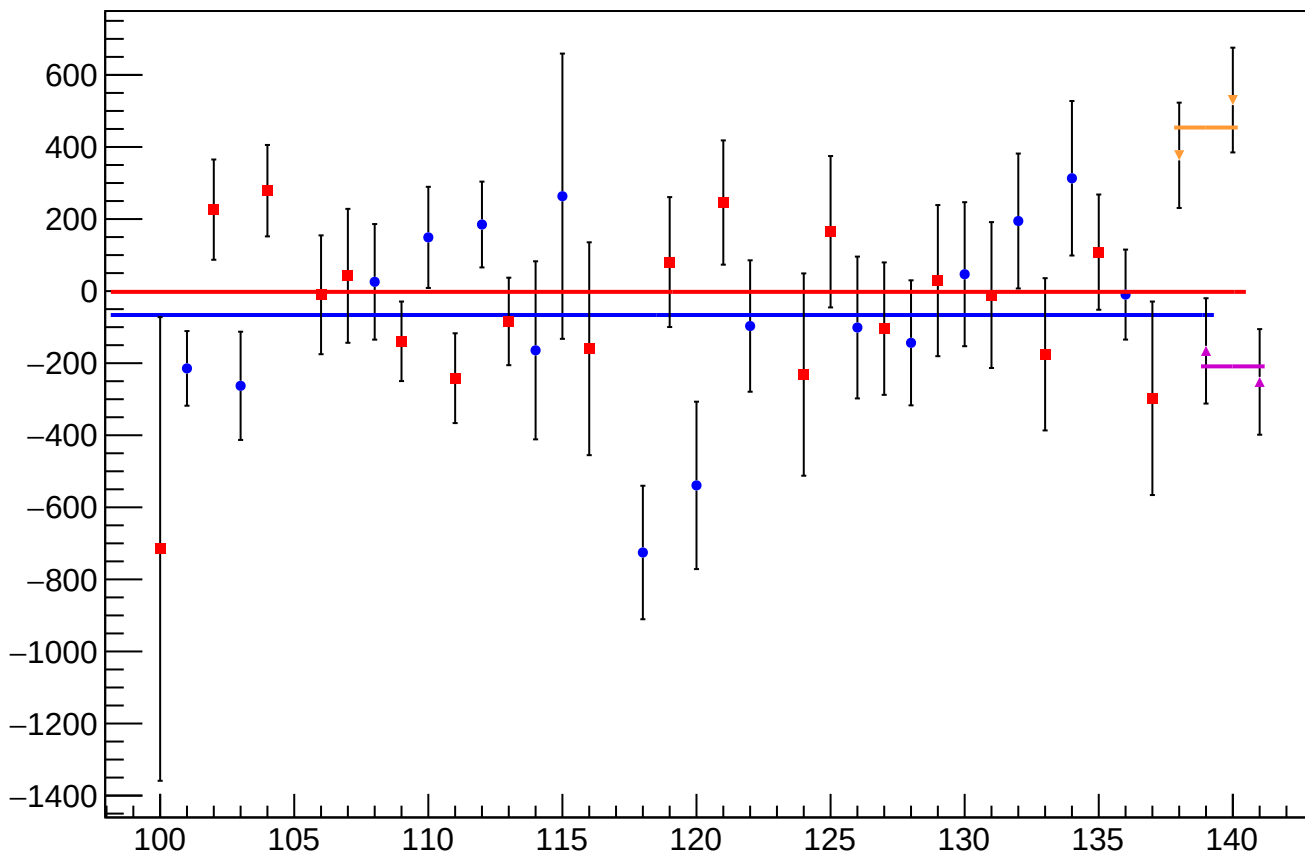
Left In: 883.069 $\pm$ 0.475 χ^2 /NDF: 1106.0/1

+ sign 568.478 $\pm$ 0.154 χ^2 /NDF: 4005883.5/17

All: 581.978 $\pm$ 0.109 χ^2 /NDF: 7563043.7/38

- sign 595.767 $\pm$ 0.156 χ^2 /NDF: 3541604.0/20

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 453.998 ± 103.057 χ^2/NDF : 0.6/1

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

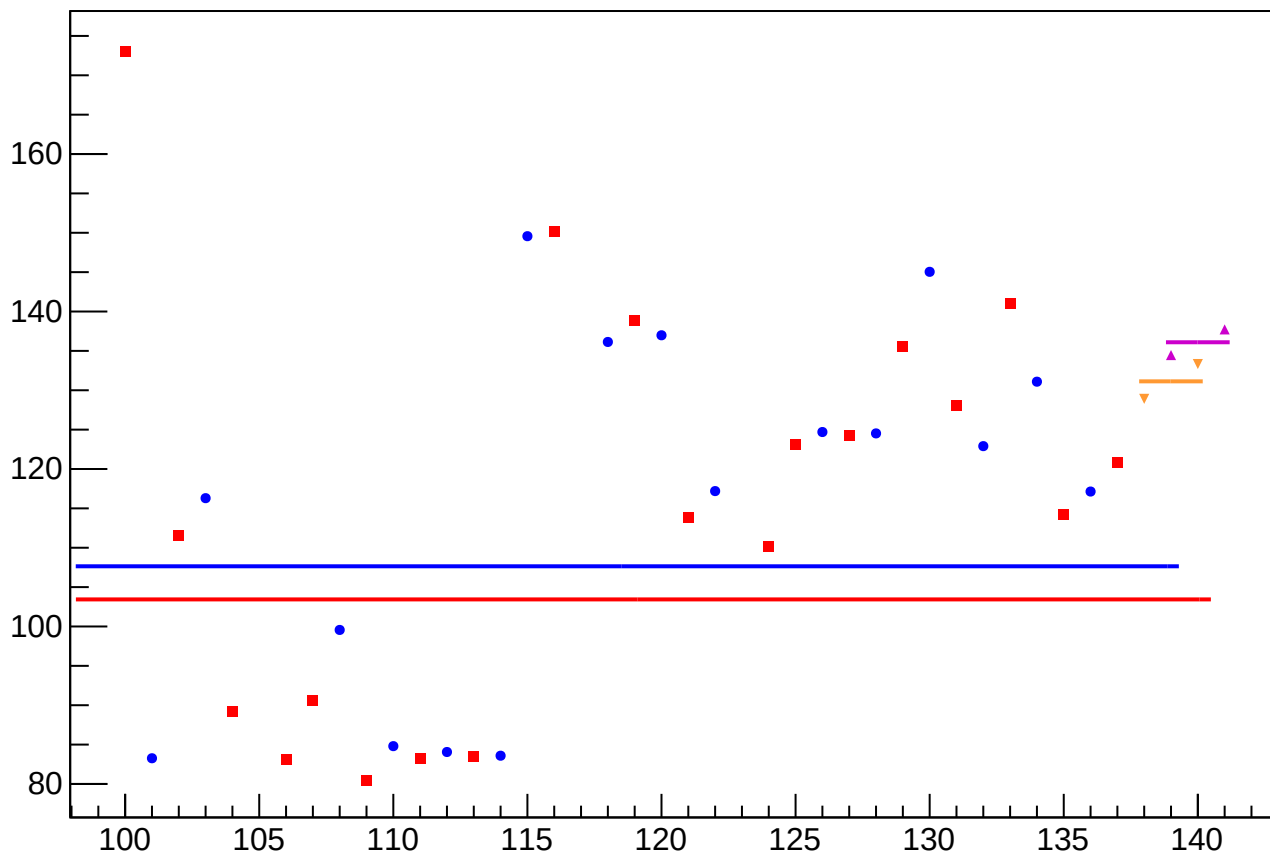
Left In: -208.828 ± 103.488 χ^2/NDF : 0.2/1

+ sign 4.647 ± 38.045 χ^2/NDF : 57.0/17

All: -12.223 ± 26.317 χ^2/NDF : 82.1/38

- sign -27.702 ± 36.442 χ^2/NDF : 24.8/20

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532822.8/15

Left Out: 131.131 $\pm$ 0.073 χ^2 /NDF: 919.8/1

Right Out: 103.438 $\pm$ 0.028 χ^2 /NDF: 624750.2/18

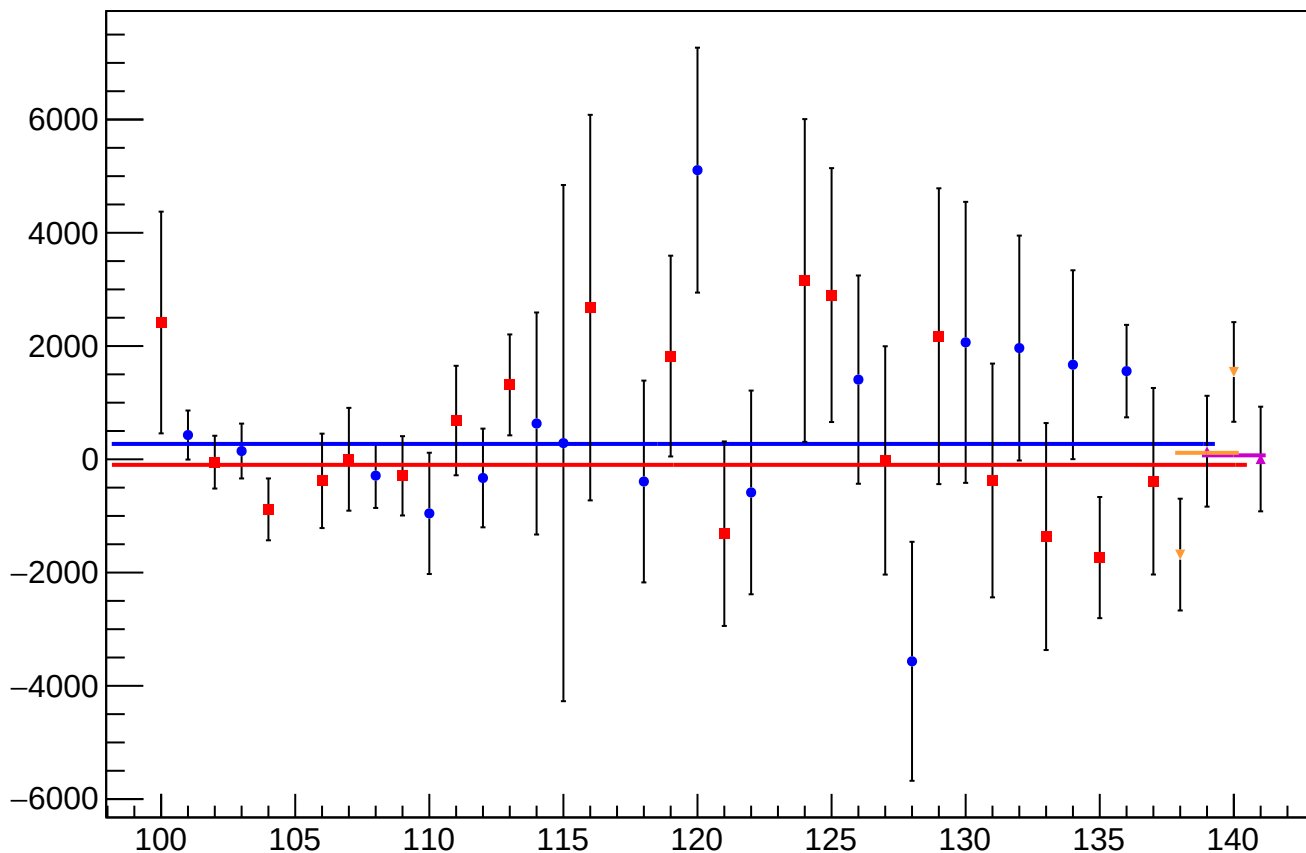
Left In: 136.096 $\pm$ 0.073 χ^2 /NDF: 496.2/1

+ sign 110.845 $\pm$ 0.027 χ^2 /NDF: 623467.5/17

All: 109.094 $\pm$ 0.019 χ^2 /NDF: 1431312.5/38

- sign 107.487 $\pm$ 0.026 χ^2 /NDF: 799720.9/20

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

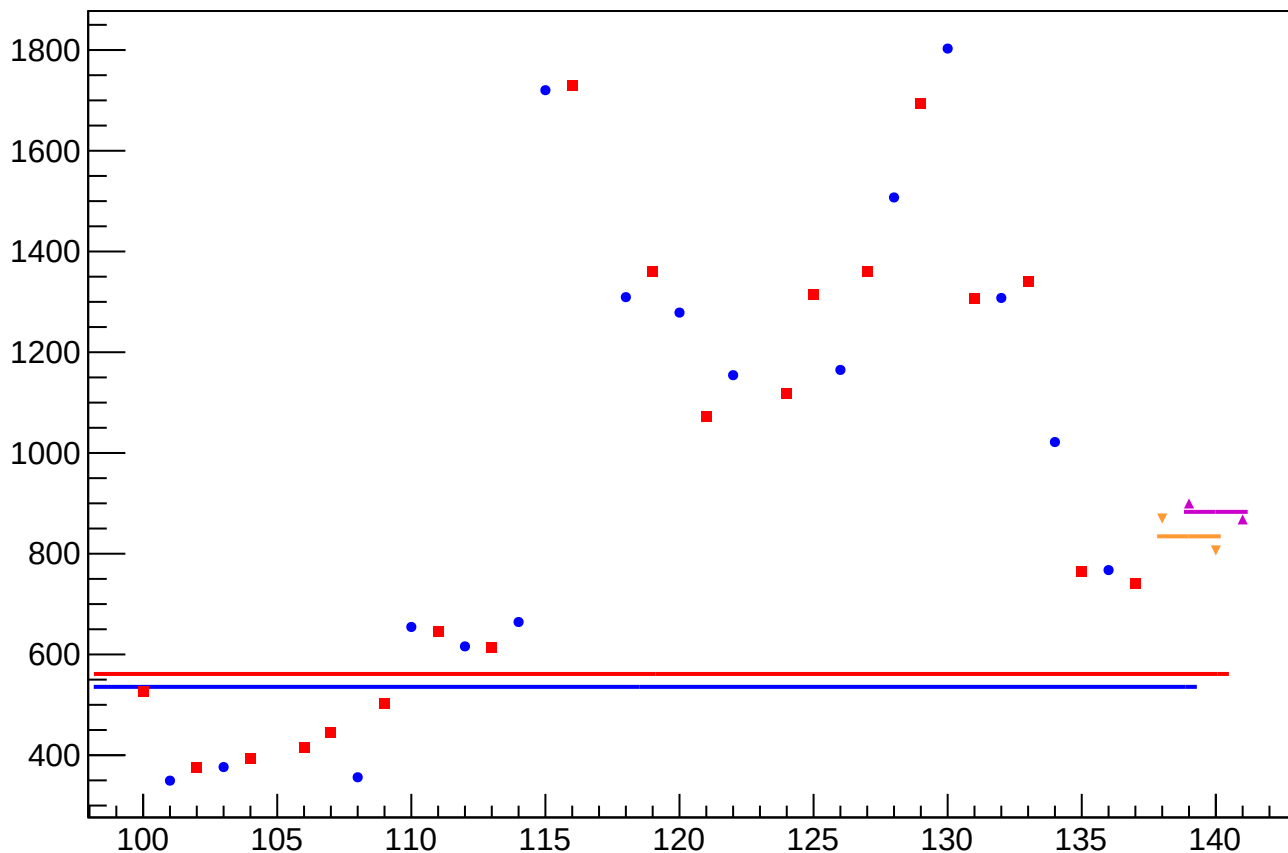
Left In: 70.098 $\pm$ 671.776 χ^2 /NDF: 0.0/1

+ sign 254.385 $\pm$ 217.624 χ^2 /NDF: 22.5/17

All: 89.048 $\pm$ 154.699 χ^2 /NDF: 39.8/38

- sign -79.843 $\pm$ 219.950 χ^2 /NDF: 16.2/20

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF : 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF : 4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF : 3130760.7/18

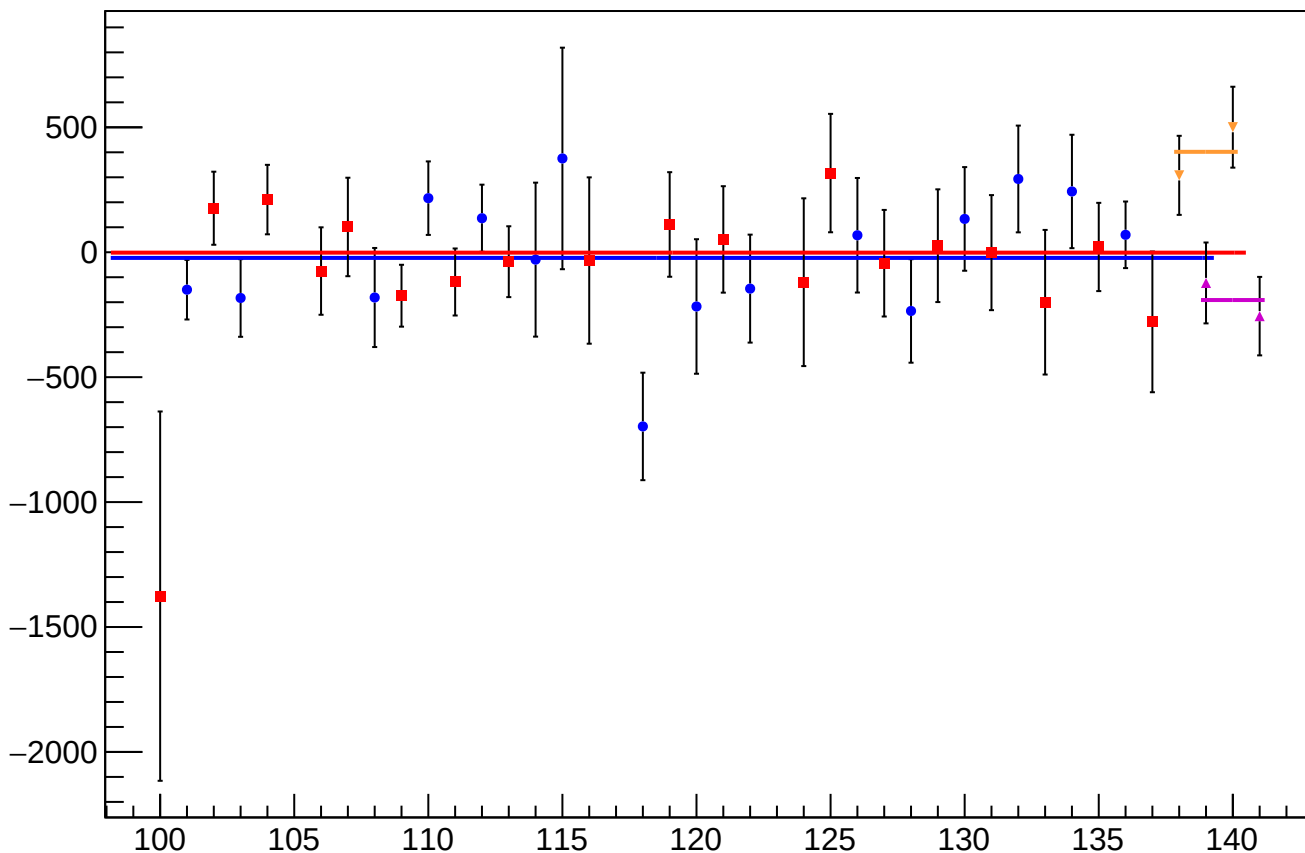
Left In: 883.069+/-0.475 χ^2/NDF : 1106.0/1

+ sign 568.478+/-0.154 χ^2/NDF : 4005883.5/17

All: 581.978+/-0.109 χ^2/NDF : 7563043.7/38

- sign 595.767+/-0.156 χ^2/NDF : 3541604.0/20

dit_asym_sam6_mean vs Slug



Right In: -22.678 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 401.913 ± 113.166 χ^2/NDF : 0.7/1

Right Out: -1.600 ± 43.563 χ^2/NDF : 14.3/18

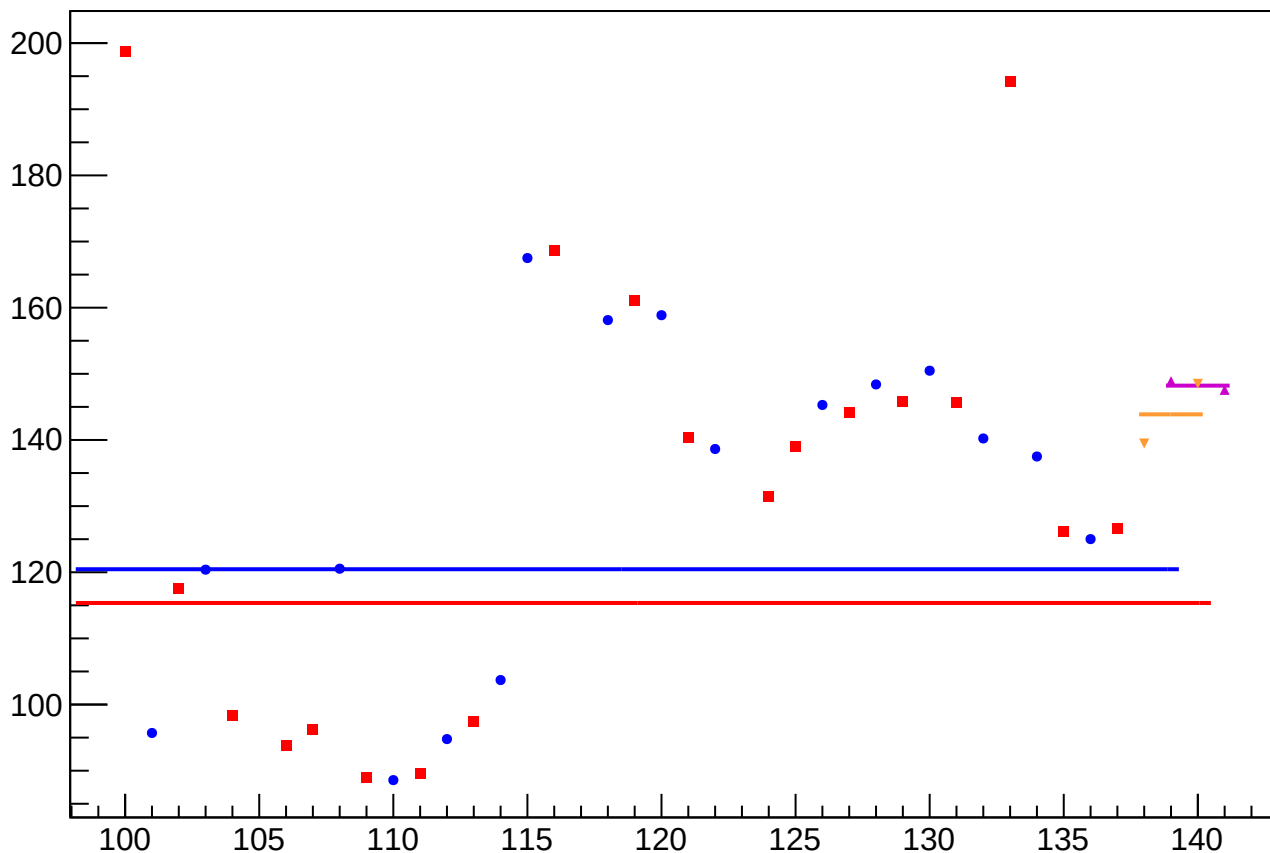
Left In: -191.303 ± 112.719 χ^2/NDF : 0.3/1

+ sign 37.323 ± 42.541 χ^2/NDF : 37.0/17

All: 4.079 ± 29.384 χ^2/NDF : 55.3/38

- sign -26.252 ± 40.634 χ^2/NDF : 17.1/20

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

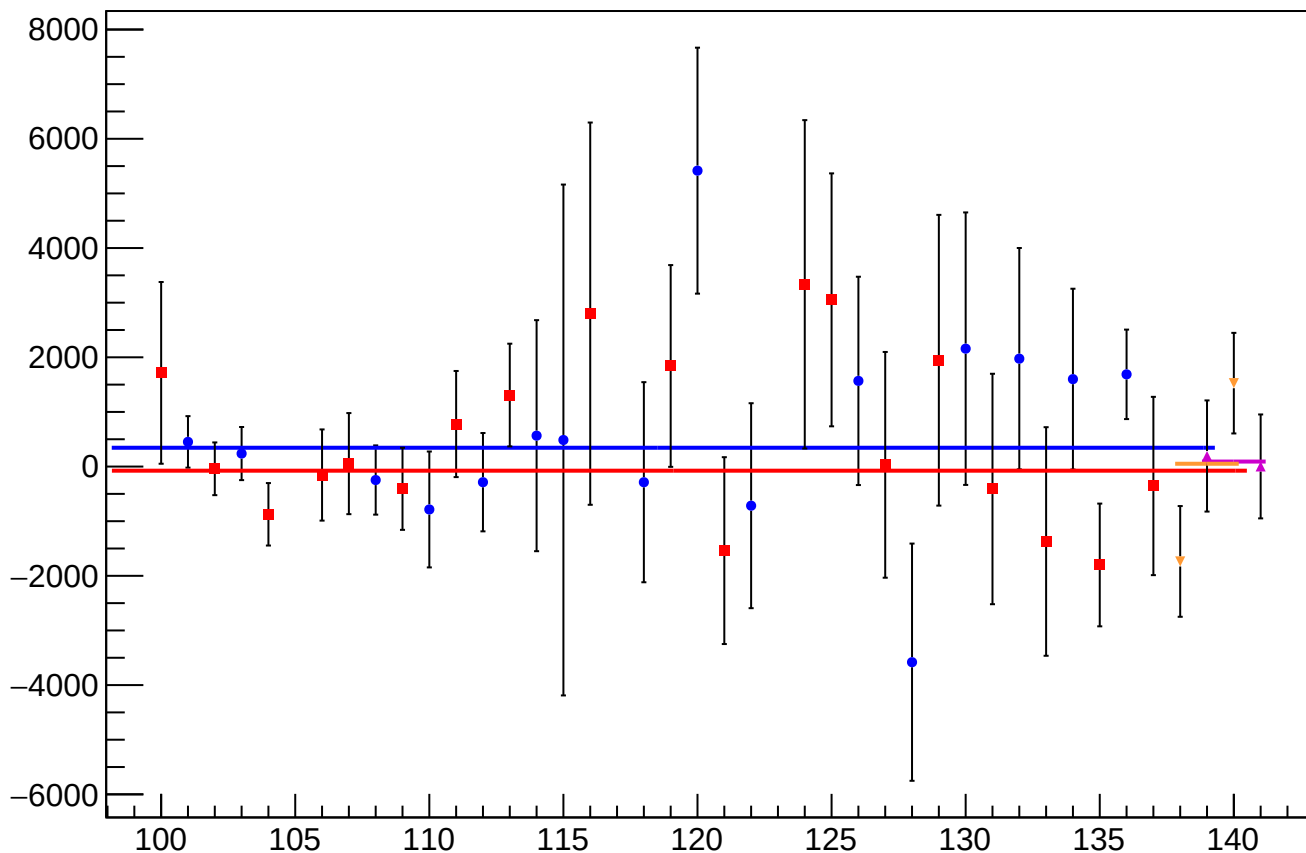
Left In: 148.215 $\pm$ 0.080 χ^2 /NDF:67.7/1

+ sign 123.767 $\pm$ 0.030 χ^2 /NDF: 607022.9/17

All: 121.602 $\pm$ 0.021 χ^2 /NDF: 1532096.2/38

- sign 119.627 $\pm$ 0.029 χ^2 /NDF: 915168.4/20

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437 ± 241.532 χ^2/NDF : 16.2/15

Left Out: 51.463 ± 681.434 χ^2/NDF : 5.7/1

Right Out: -75.434 ± 240.479 χ^2/NDF : 15.3/18

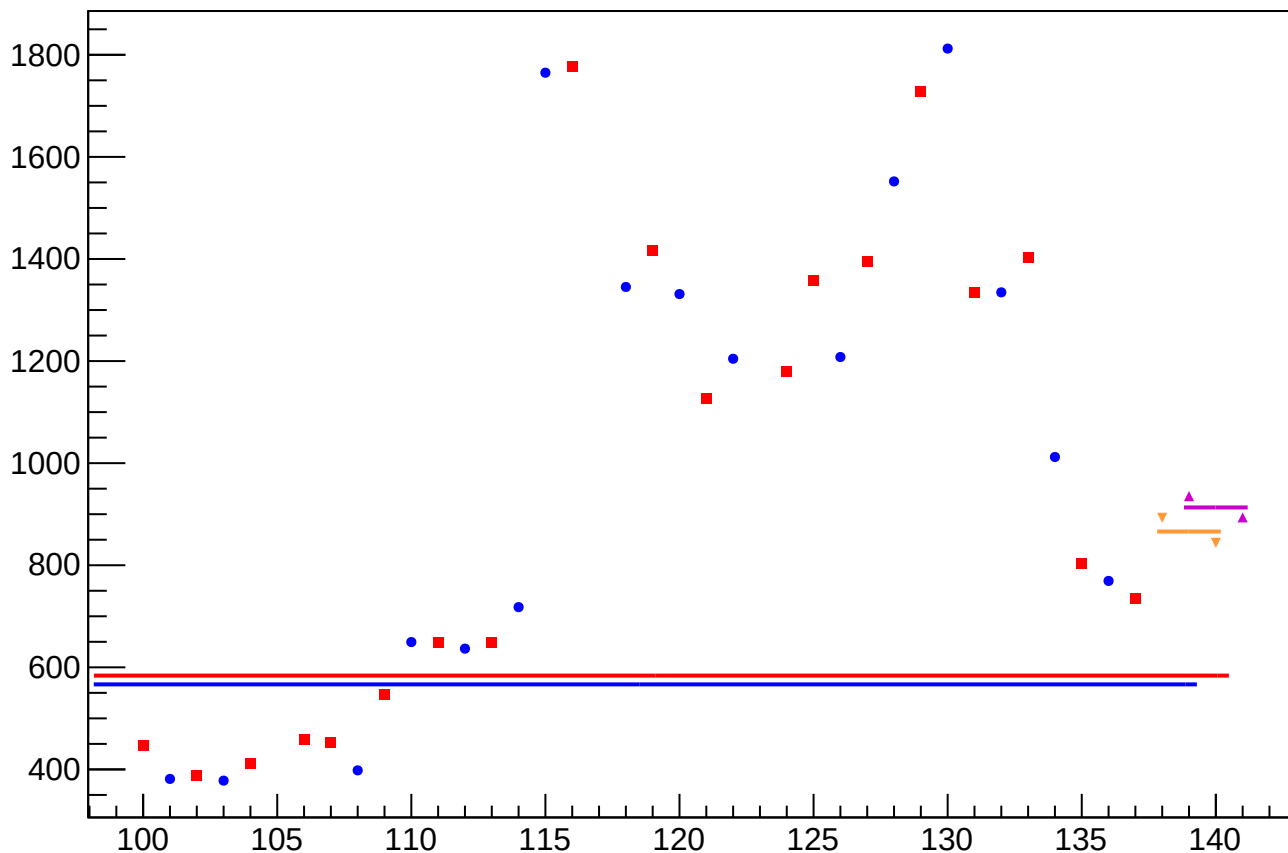
Left In: 91.631 ± 694.869 χ^2/NDF : 0.0/1

+ sign 311.738 ± 227.654 χ^2/NDF : 22.1/17

All: 126.762 ± 160.834 χ^2/NDF : 38.7/38

- sign -57.565 ± 227.255 χ^2/NDF : 15.3/20

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF : 3432440.2/15

Left Out: 866.050+/-0.482 χ^2/NDF : 2560.0/1

Right Out: 583.794+/-0.170 χ^2/NDF : 3107513.6/18

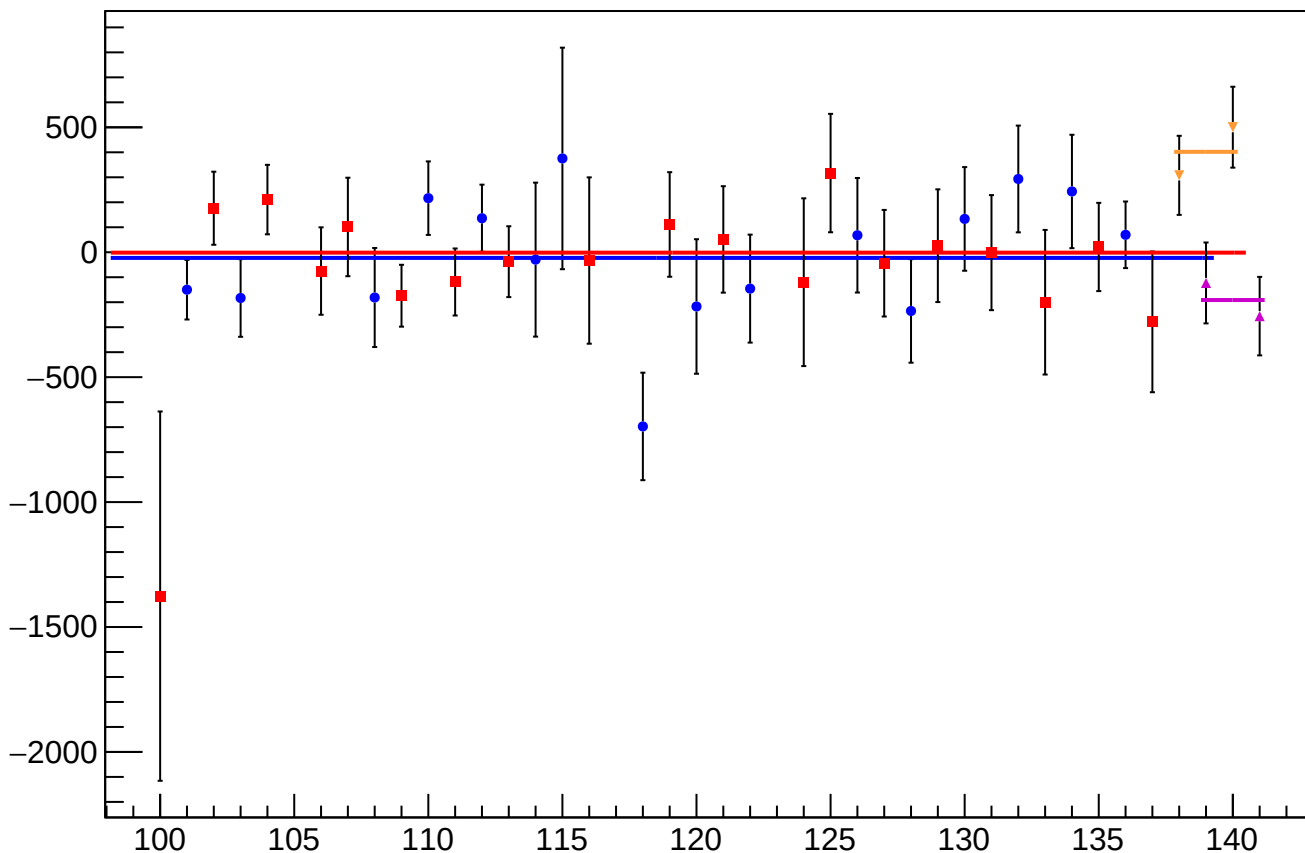
Left In: 913.243+/-0.491 χ^2/NDF : 1787.5/1

+ sign 600.025+/-0.161 χ^2/NDF : 3778104.1/17

All: 609.545+/-0.114 χ^2/NDF : 7295875.8/38

- sign 619.032+/-0.161 χ^2/NDF : 3510788.7/20

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 401.914 ± 113.166 χ^2/NDF : 0.7/1

Right Out: -1.601 ± 43.563 χ^2/NDF : 14.3/18

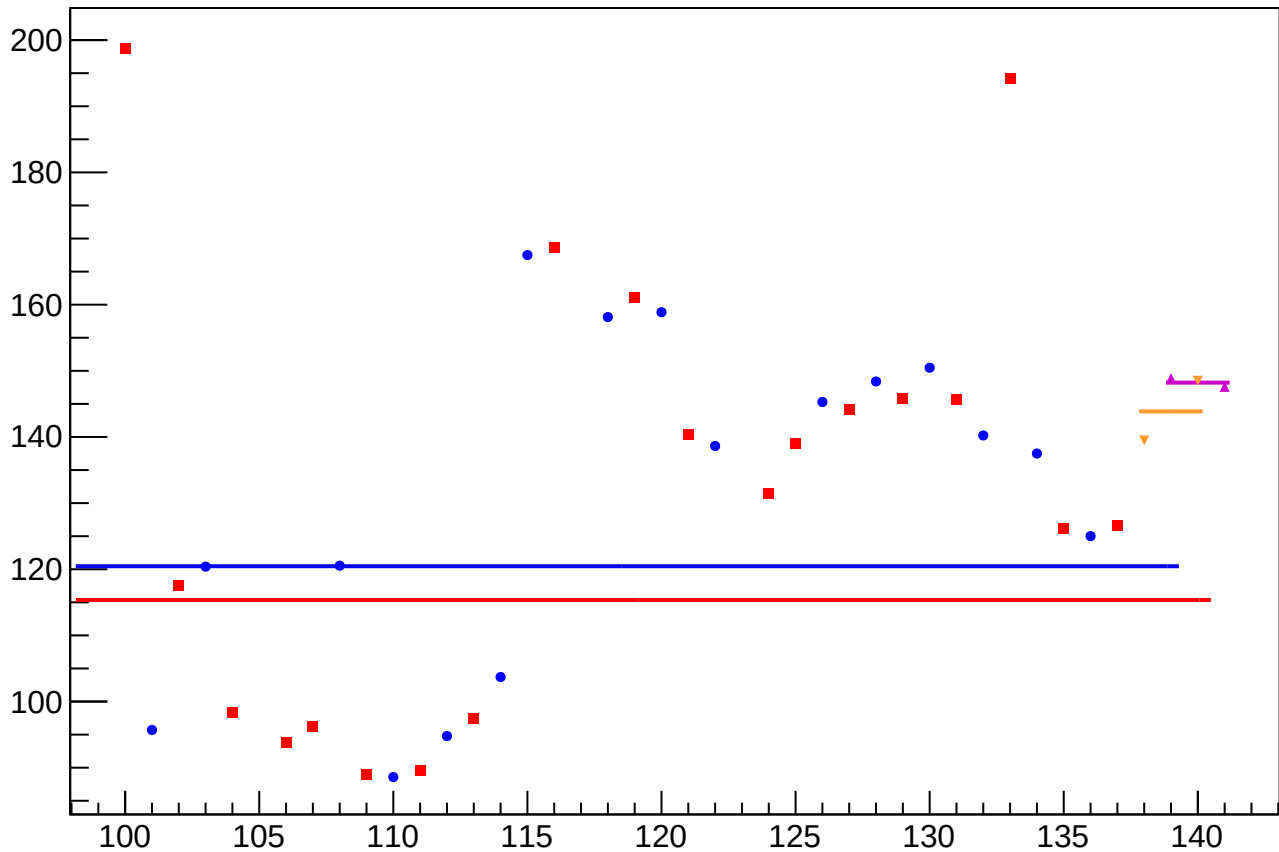
Left In: -191.301 ± 112.719 χ^2/NDF : 0.3/1

+ sign 37.321 ± 42.541 χ^2/NDF : 37.0/17

All: 4.077 ± 29.384 χ^2/NDF : 55.3/38

- sign -26.253 ± 40.634 χ^2/NDF : 17.1/20

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458 +/- 0.032 χ^2/NDF : 530335.0/15

Left Out: 143.871 +/- 0.080 χ^2/NDF : 3178.4/1

Right Out: 115.357 +/- 0.031 χ^2/NDF : 767234.8/18

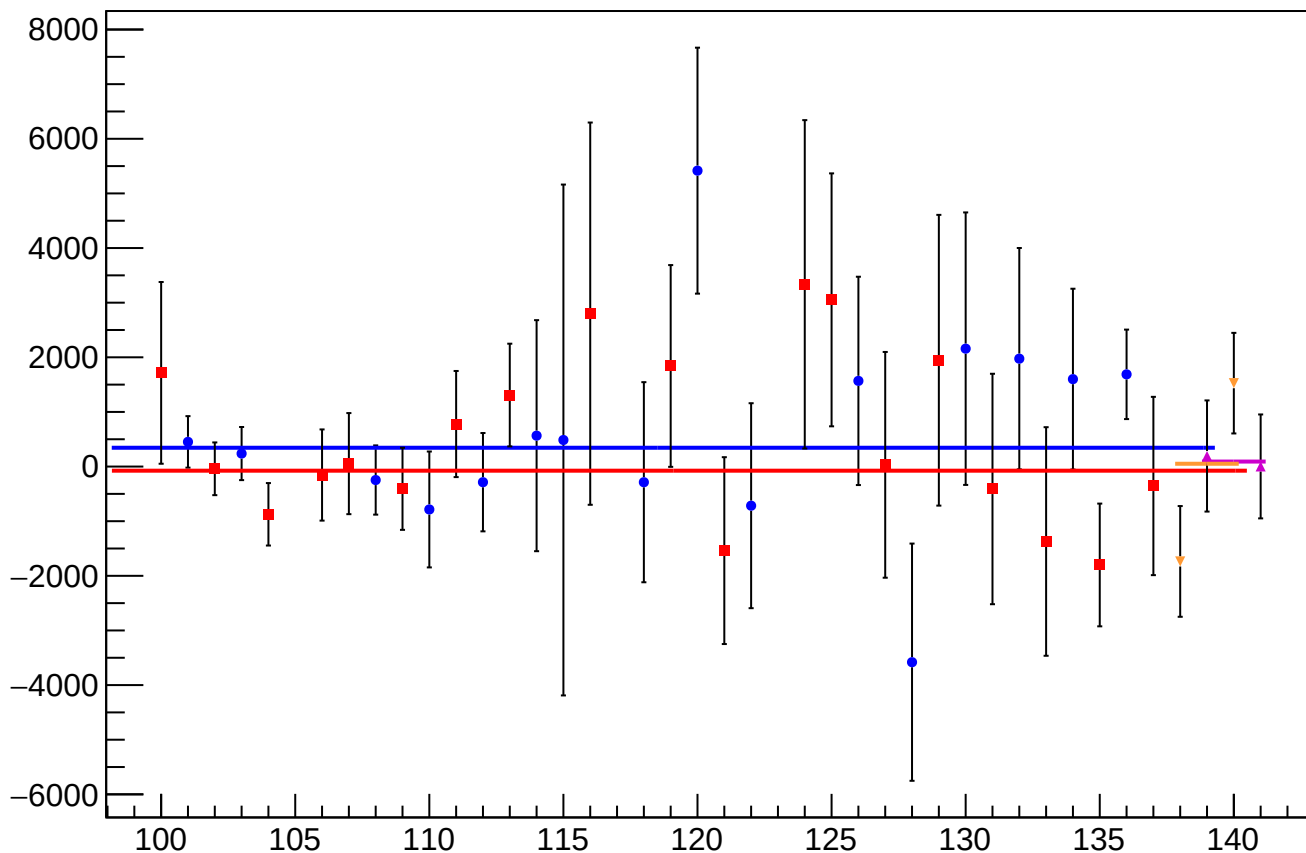
Left In: 148.215 +/- 0.080 χ^2/NDF : 67.7/1

+ sign 123.767 +/- 0.030 χ^2/NDF : 607026.7/17

All: 121.602 +/- 0.021 χ^2/NDF : 1532098.9/38

- sign 119.627 +/- 0.029 χ^2/NDF : 915167.6/20

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436 ± 241.531 χ^2/NDF : 16.2/15

Left Out: 51.468 ± 681.433 χ^2/NDF : 5.7/1

Right Out: -75.435 ± 240.479 χ^2/NDF : 15.3/18

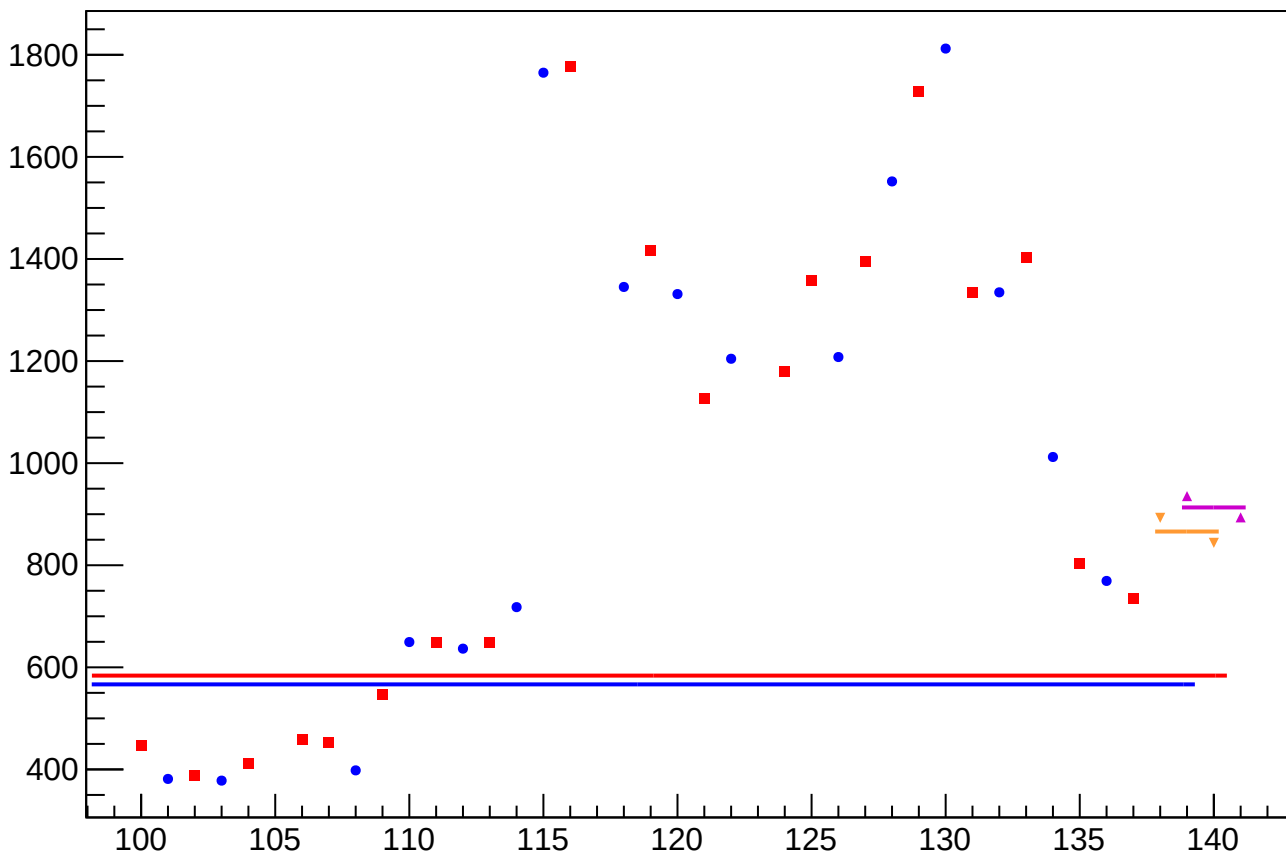
Left In: 91.632 ± 694.868 χ^2/NDF : 0.0/1

+ sign 311.738 ± 227.654 χ^2/NDF : 22.1/17

All: 126.762 ± 160.834 χ^2/NDF : 38.7/38

- sign -57.566 ± 227.255 χ^2/NDF : 15.3/20

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603 $\pm$ 0.171 χ^2 /NDF: 3432444.7/15

Left Out: 866.049 $\pm$ 0.482 χ^2 /NDF:2560.2/1

Right Out: 583.794 $\pm$ 0.170 χ^2 /NDF: 3107513.8/18

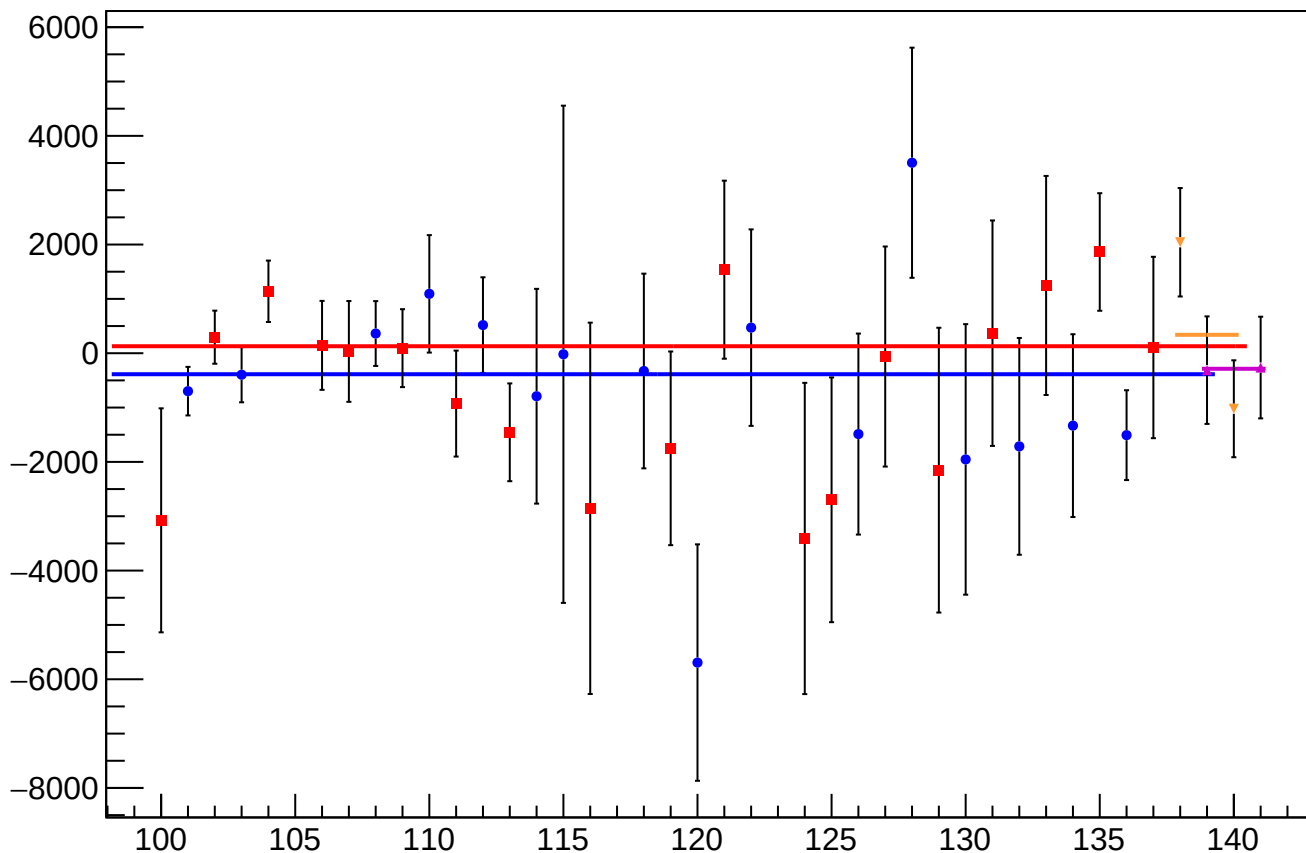
Left In: 913.242 $\pm$ 0.491 χ^2 /NDF:1787.7/1

+ sign 600.024 $\pm$ 0.161 χ^2 /NDF: 3778109.1/17

All: 609.544 $\pm$ 0.114 χ^2 /NDF: 7295880.9/38

- sign 619.031 $\pm$ 0.161 χ^2 /NDF: 3510788.6/20

asym_sam6_mean vs Slug



Right In: -386.522 ± 237.525 χ^2/NDF : 17.9/15

Left Out: 338.502 ± 664.963 χ^2/NDF : 5.2/1

Right Out: 128.583 ± 238.241 χ^2/NDF : 19.4/18

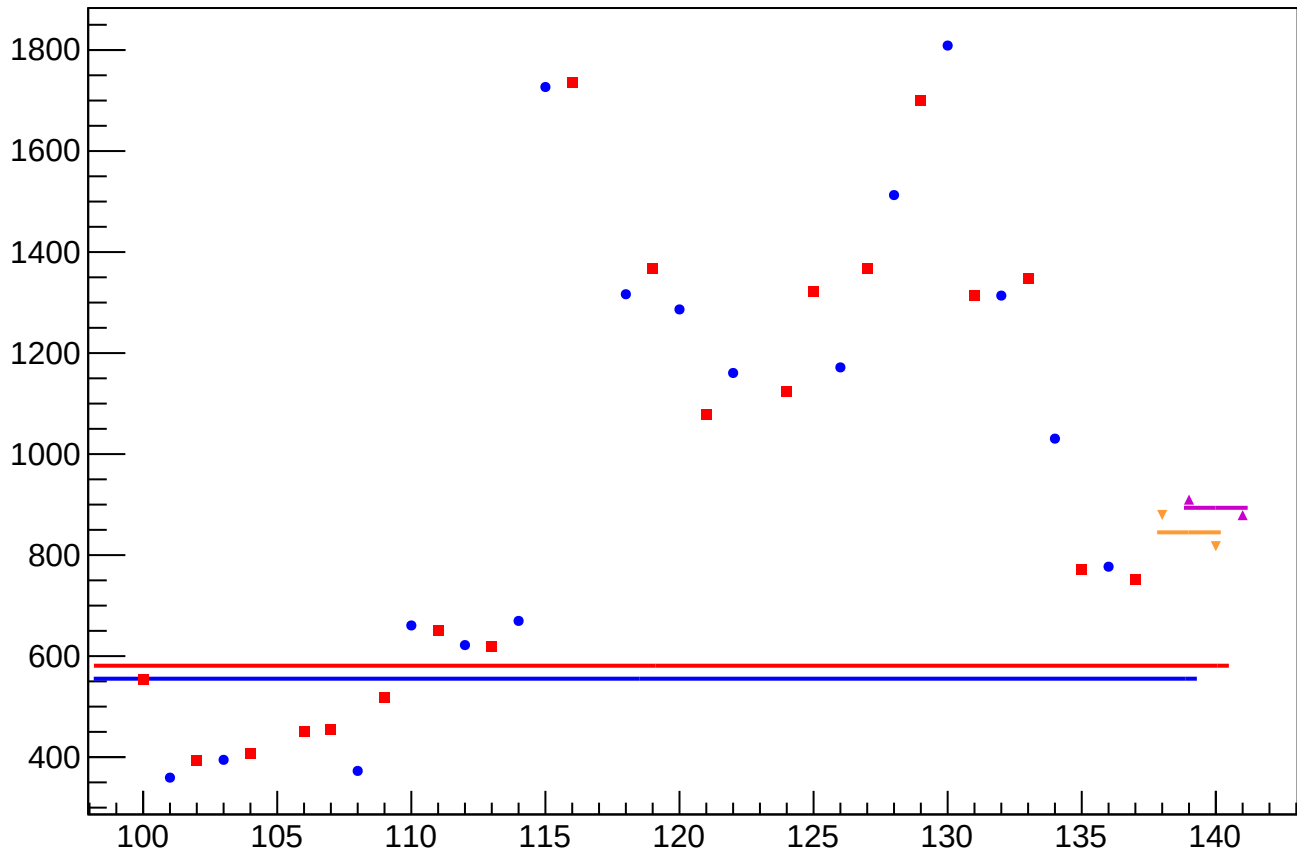
Left In: -286.281 ± 679.800 χ^2/NDF : 0.0/1

+ sign -304.483 ± 223.683 χ^2/NDF : 24.2/17

All: -111.634 ± 158.573 χ^2/NDF : 45.5/38

- sign 83.203 ± 224.833 χ^2/NDF : 19.7/20

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

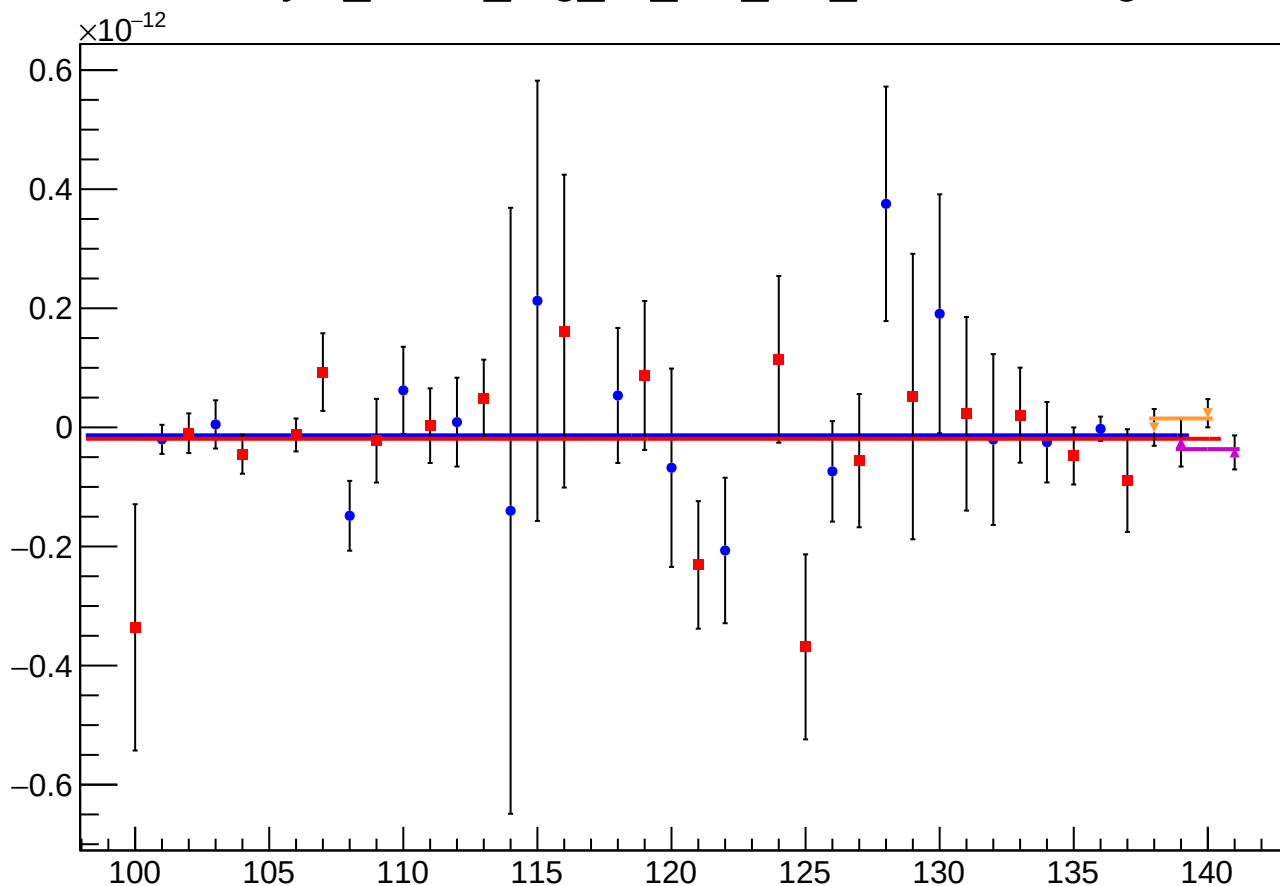
Left In: 893.658 $\pm$ 0.481 χ^2 /NDF:1017.2/1

+ sign 588.080 $\pm$ 0.158 χ^2 /NDF: 3823592.7/17

All: 601.568 $\pm$ 0.112 χ^2 /NDF: 7199590.2/38

- sign 615.196 $\pm$ 0.159 χ^2 /NDF: 3361376.4/20

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

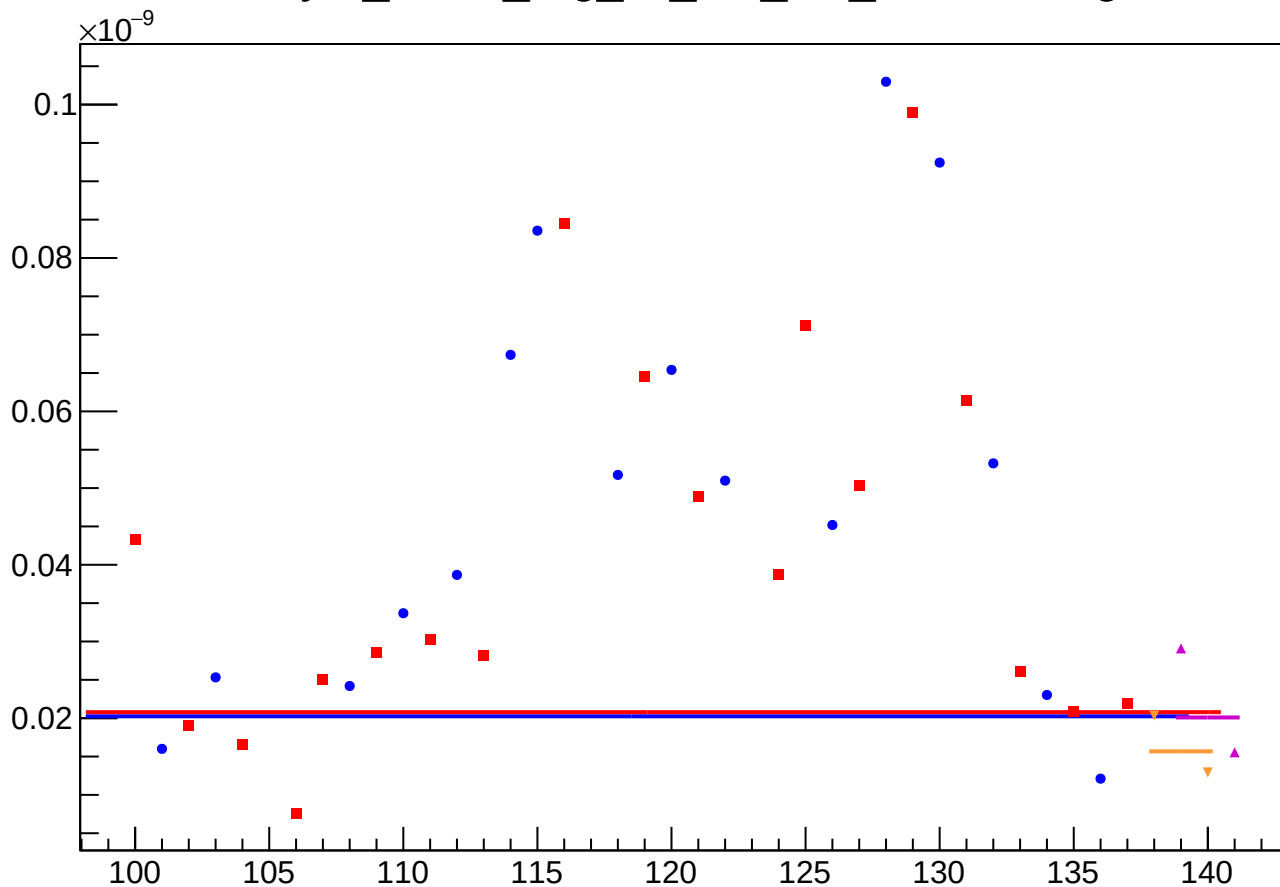
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.8/17

All: -0.000 ± 0.000 χ^2/NDF : 39.7/38

- sign -0.000 ± 0.000 χ^2/NDF : 20.4/20

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

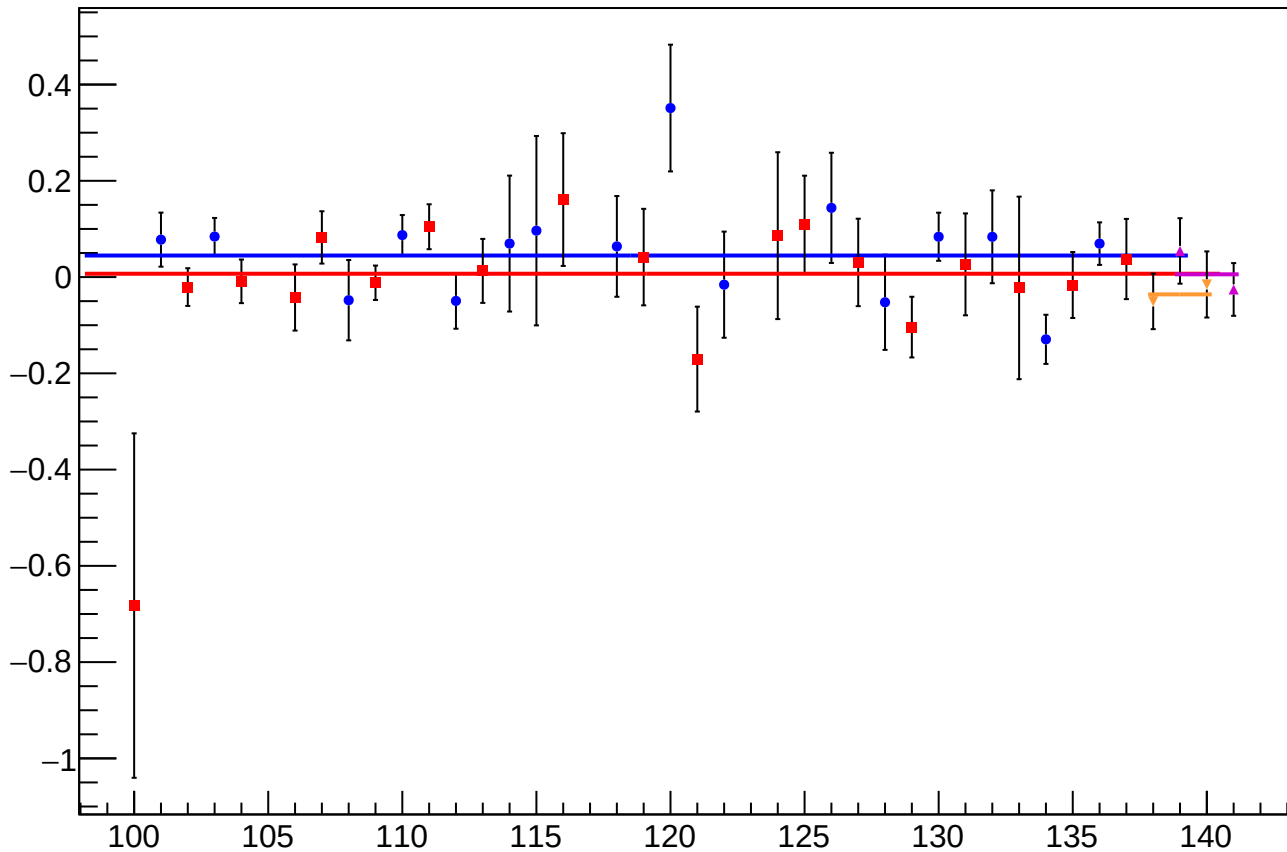
Left In: 0.000+/-0.000 χ^2/NDF : 150817.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2157723.4/17

All: 0.000+/-0.000 χ^2/NDF : 4191957.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2008002.8/20

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 χ^2/NDF : 26.6/15

Left Out: -0.036 ± 0.044 χ^2/NDF : 0.2/1

Right Out: 0.007 ± 0.015 χ^2/NDF : 20.2/18

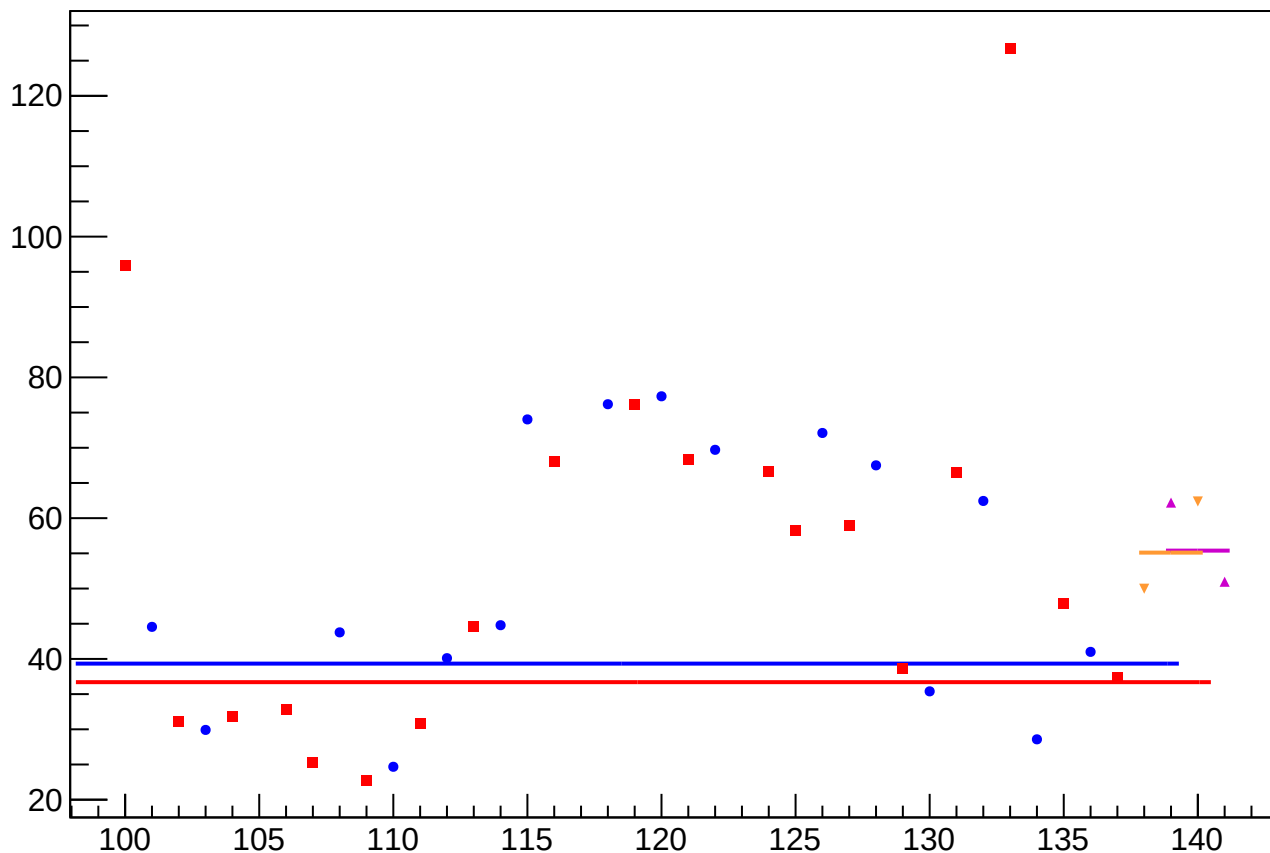
Left In: 0.006 ± 0.043 χ^2/NDF : 0.8/1

+ sign 0.035 ± 0.015 χ^2/NDF : 29.7/17

All: 0.020 ± 0.010 χ^2/NDF : 52.6/38

- sign 0.007 ± 0.014 χ^2/NDF : 21.0/20

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF : 1566525.1/15

Left Out: 55.105+/-0.031 χ^2/NDF : 38191.9/1

Right Out: 36.700+/-0.011 χ^2/NDF : 2096756.0/18

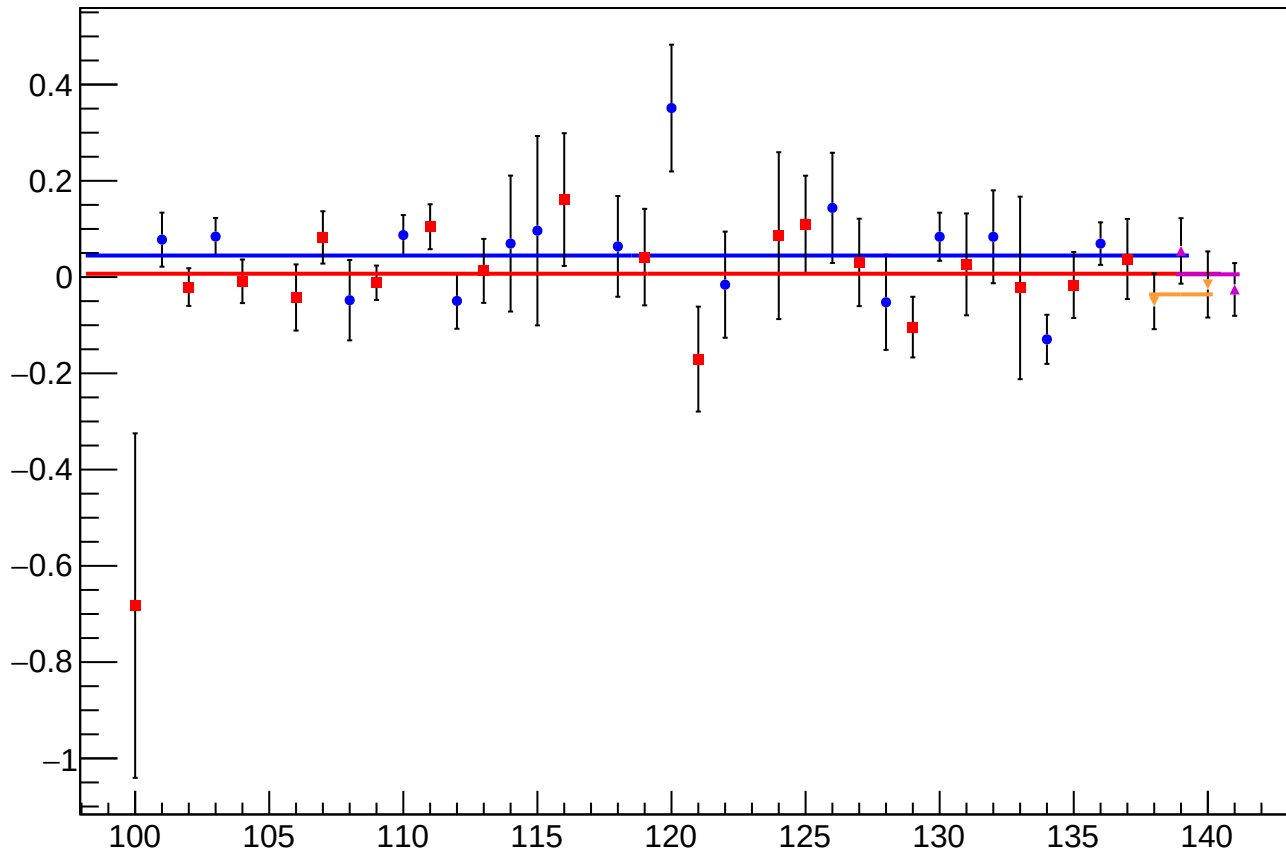
Left In: 55.388+/-0.030 χ^2/NDF : 33165.1/1

+ sign 41.167+/-0.011 χ^2/NDF : 1829907.4/17

All: 39.909+/-0.007 χ^2/NDF : 4327458.6/38

- sign 38.784+/-0.010 χ^2/NDF : 2471116.7/20

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 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

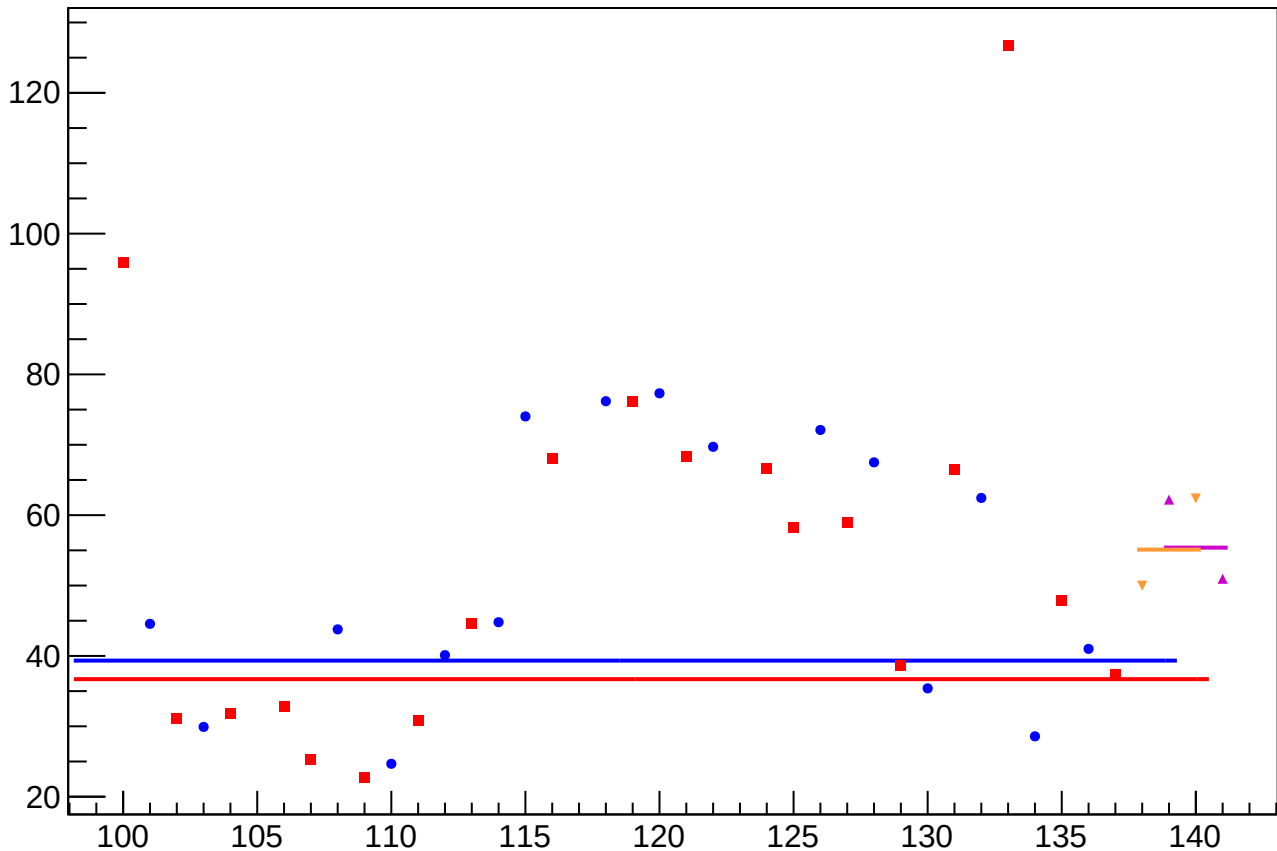
Left In: 0.006 $\pm$ 0.043 χ^2 /NDF: 0.8/1

+ sign 0.035 $\pm$ 0.015 χ^2 /NDF: 29.7/17

All: 0.020 $\pm$ 0.010 χ^2 /NDF: 52.6/38

- sign 0.007 $\pm$ 0.014 χ^2 /NDF: 21.0/20

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

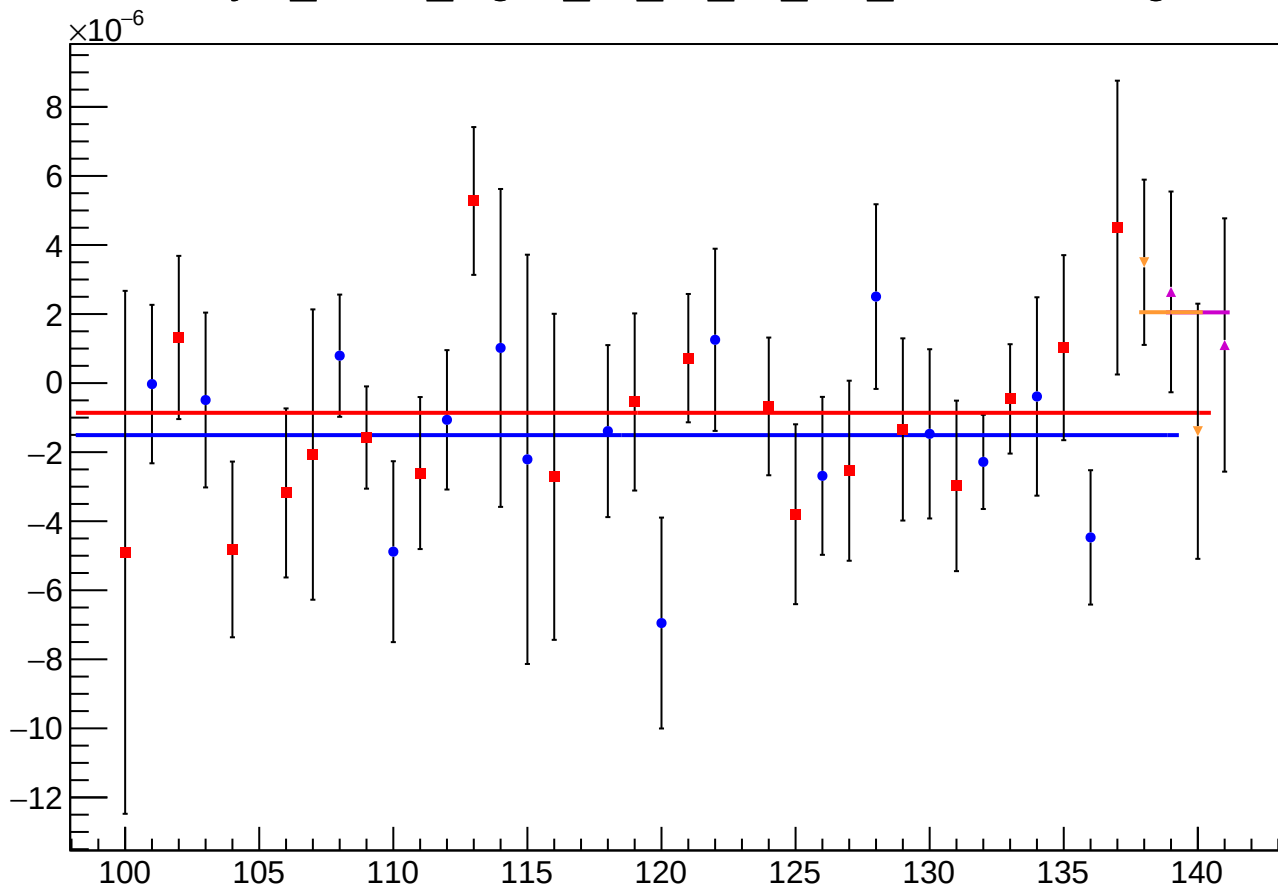
Left In: 55.388 $\pm$ 0.030 χ^2 /NDF: 33165.1/1

+ sign 41.167 $\pm$ 0.011 χ^2 /NDF: 1829907.4/17

All: 39.909 $\pm$ 0.007 χ^2 /NDF: 4327458.6/38

- sign 38.784 $\pm$ 0.010 χ^2 /NDF: 2471116.7/20

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

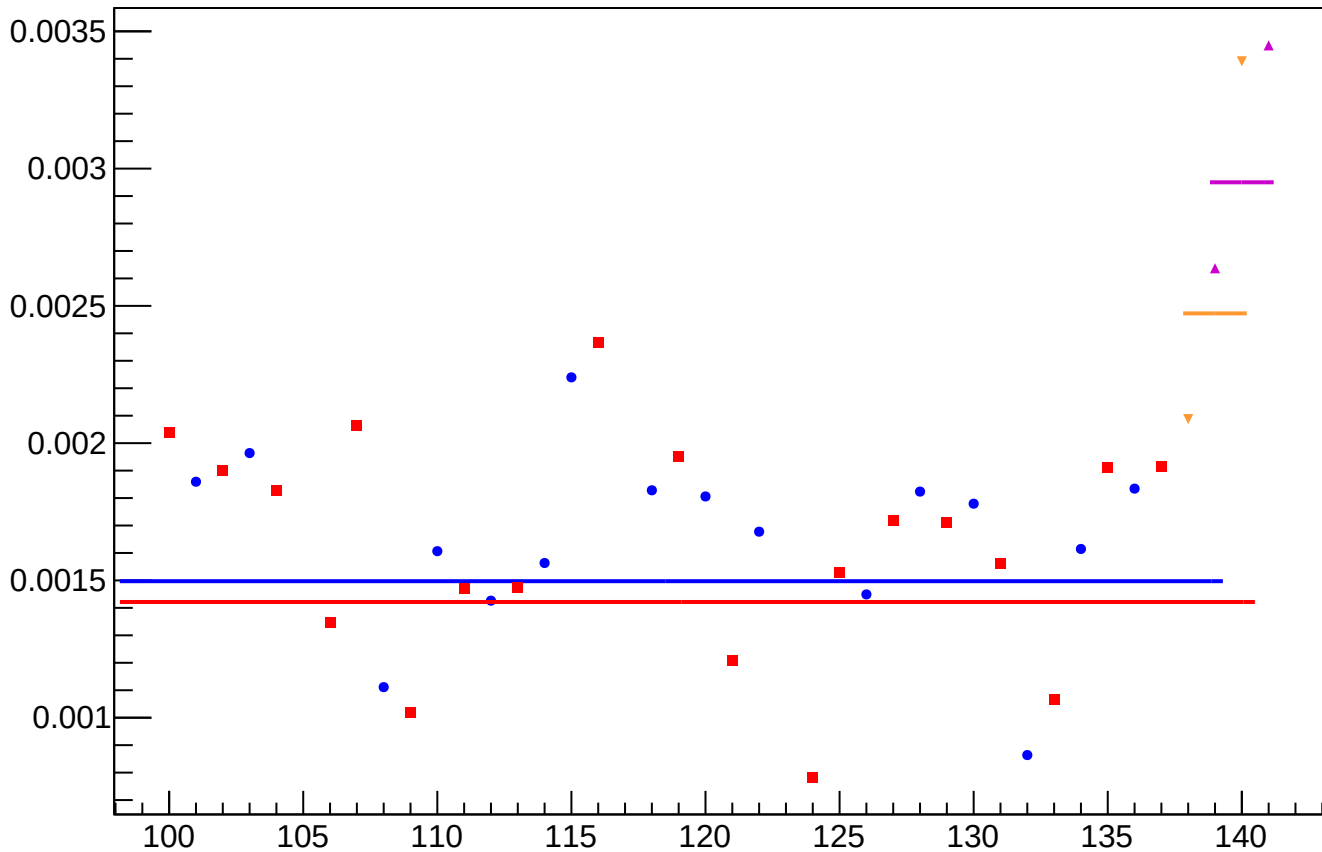
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.0/17

All: -0.000 ± 0.000 χ^2/NDF : 39.3/38

- sign -0.000 ± 0.000 χ^2/NDF : 20.8/20

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

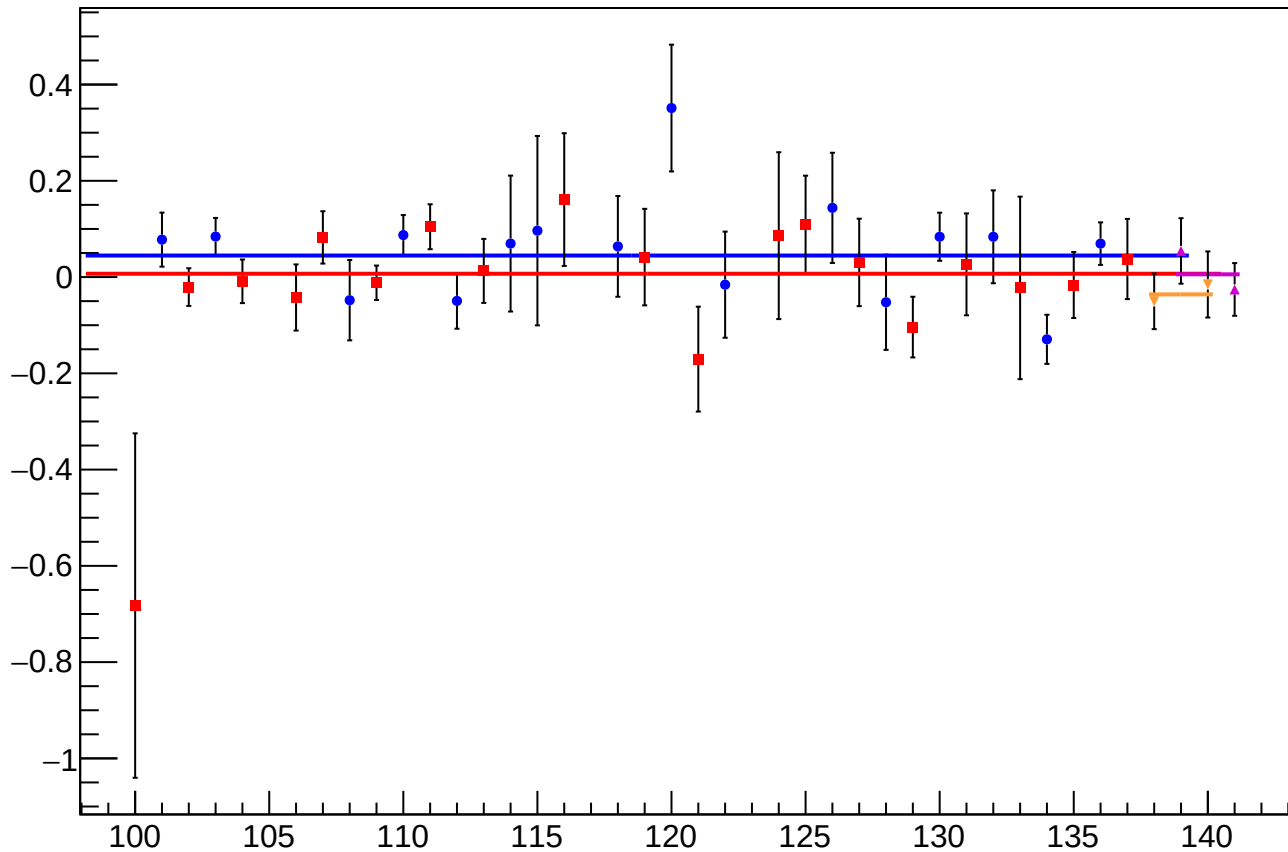
Left In: 0.003+/-0.000 χ^2/NDF :60171.6/1

+ sign 0.002+/-0.000 χ^2/NDF : 1477824.2/17

All: 0.002+/-0.000 χ^2/NDF : 3403911.8/38

- sign 0.002+/-0.000 χ^2/NDF : 1910080.5/20

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF : 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF : 0.2/1

Right Out: 0.007+/-0.015 χ^2/NDF : 20.2/18

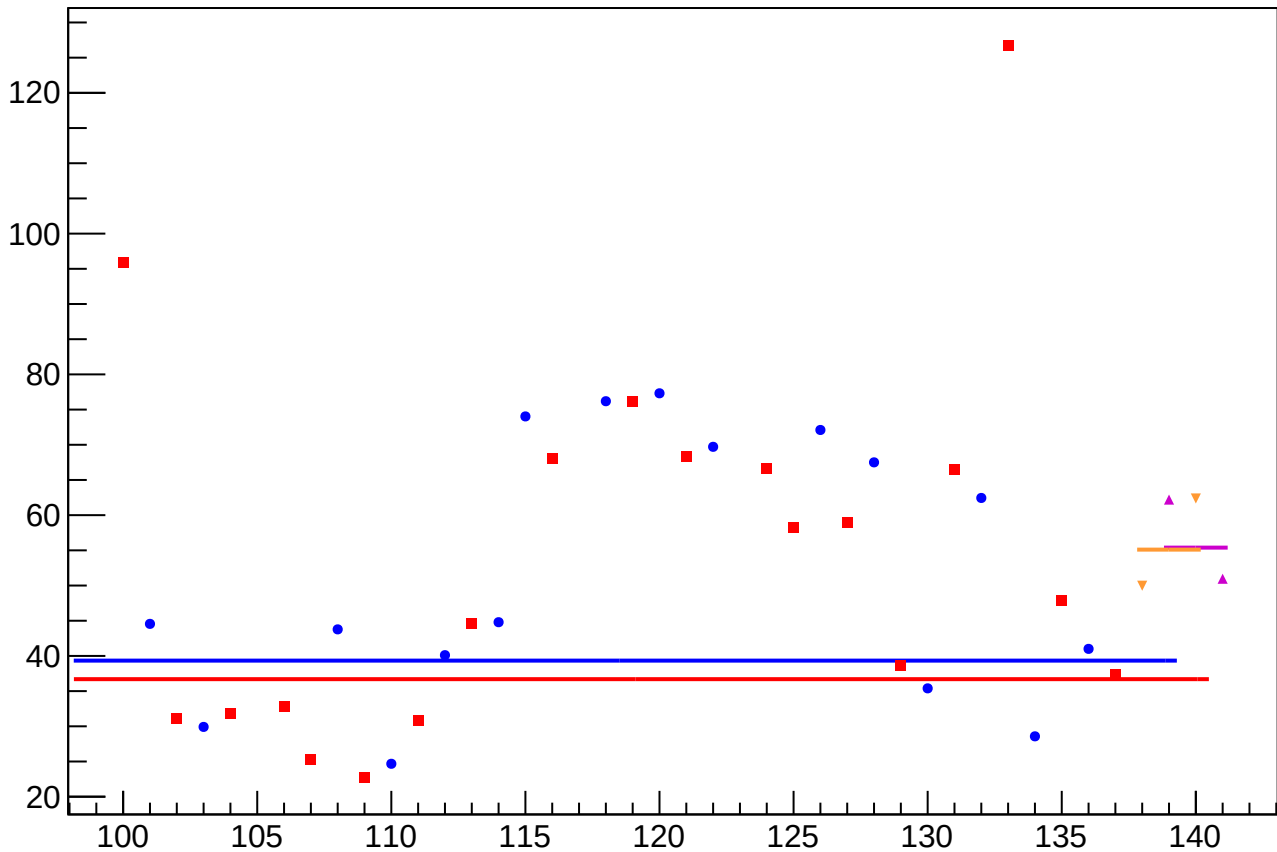
Left In: 0.006+/-0.043 χ^2/NDF : 0.8/1

+ sign 0.035+/-0.015 χ^2/NDF : 29.7/17

All: 0.020+/-0.010 χ^2/NDF : 52.6/38

- sign 0.007+/-0.014 χ^2/NDF : 21.0/20

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334 $\pm$ 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

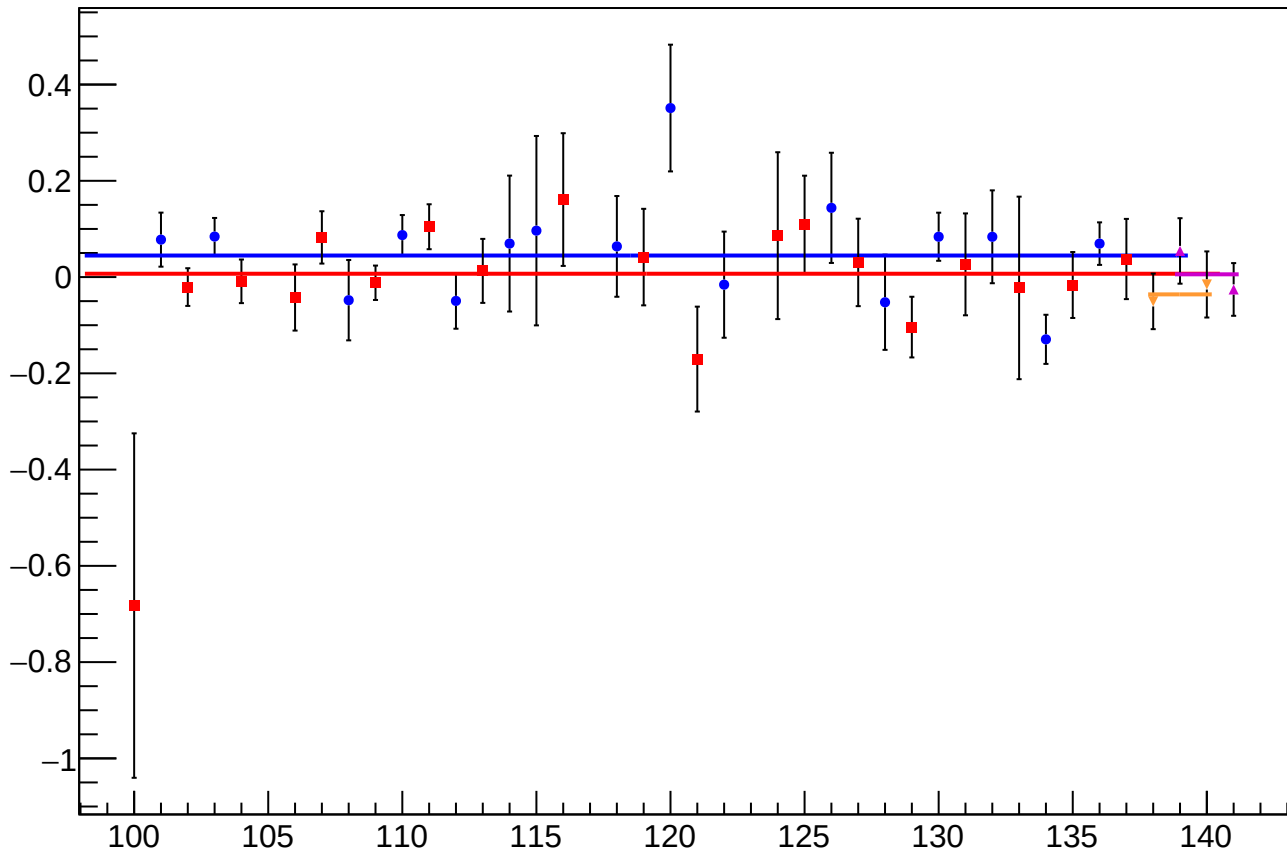
Left In: 55.387 $\pm$ 0.030 χ^2 /NDF:33171.1/1

+ sign 41.167 $\pm$ 0.011 χ^2 /NDF: 1829929.6/17

All: 39.909 $\pm$ 0.007 χ^2 /NDF: 4327464.4/38

- sign 38.784 $\pm$ 0.010 χ^2 /NDF: 2471105.1/20

asym_sam6_eigen_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

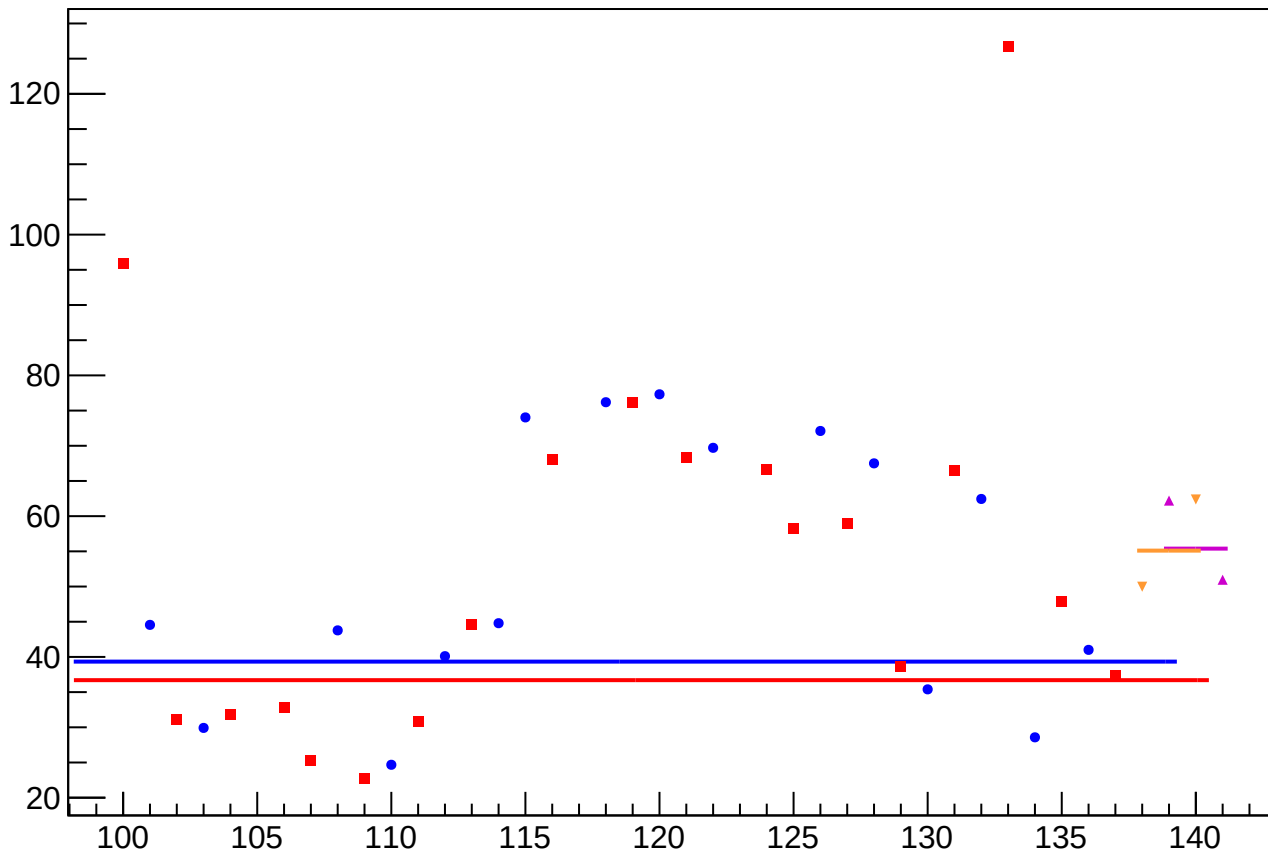
Left In: 0.006+/-0.043 χ^2/NDF : 0.8/1

+ sign 0.035+/-0.015 χ^2/NDF : 29.7/17

All: 0.020+/-0.010 χ^2/NDF : 52.6/38

- sign 0.007+/-0.014 χ^2/NDF : 21.0/20

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

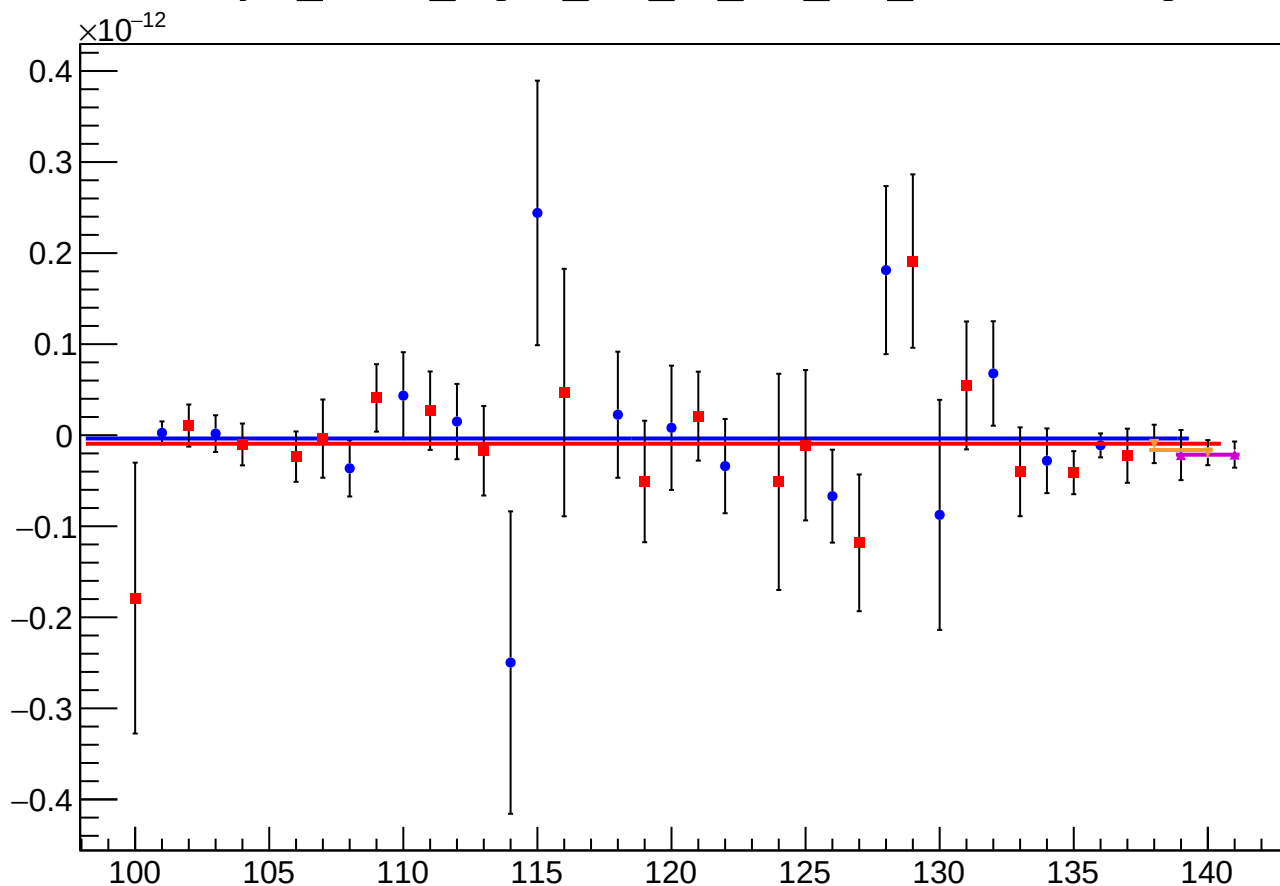
Left In: 55.387 $\pm$ 0.030 χ^2 /NDF:33171.1/1

+ sign 41.167 $\pm$ 0.011 χ^2 /NDF: 1829929.6/17

All: 39.909 $\pm$ 0.007 χ^2 /NDF: 4327464.4/38

- sign 38.784 $\pm$ 0.010 χ^2 /NDF: 2471105.1/20

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

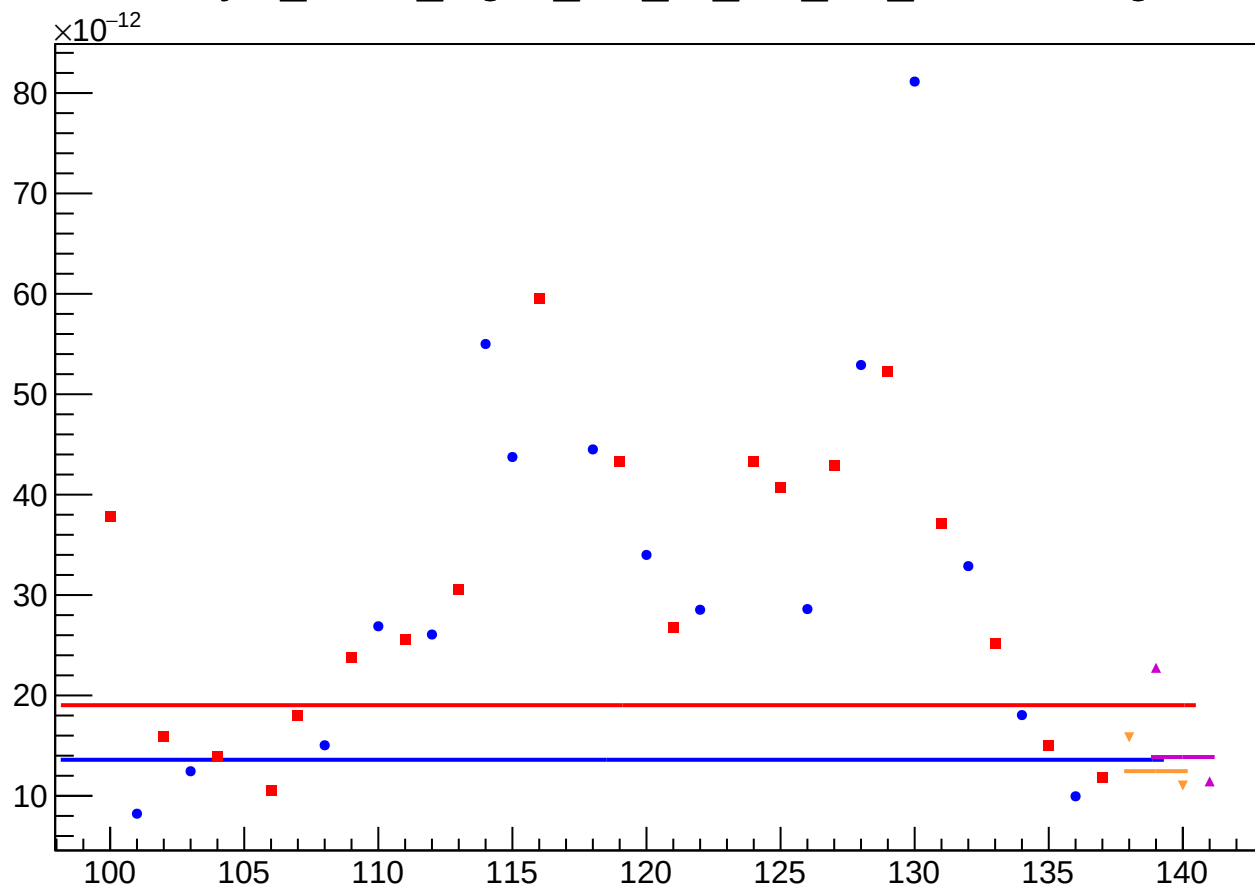
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.6/17

All: -0.000 ± 0.000 χ^2/NDF : 34.4/38

- sign -0.000 ± 0.000 χ^2/NDF : 16.3/20

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

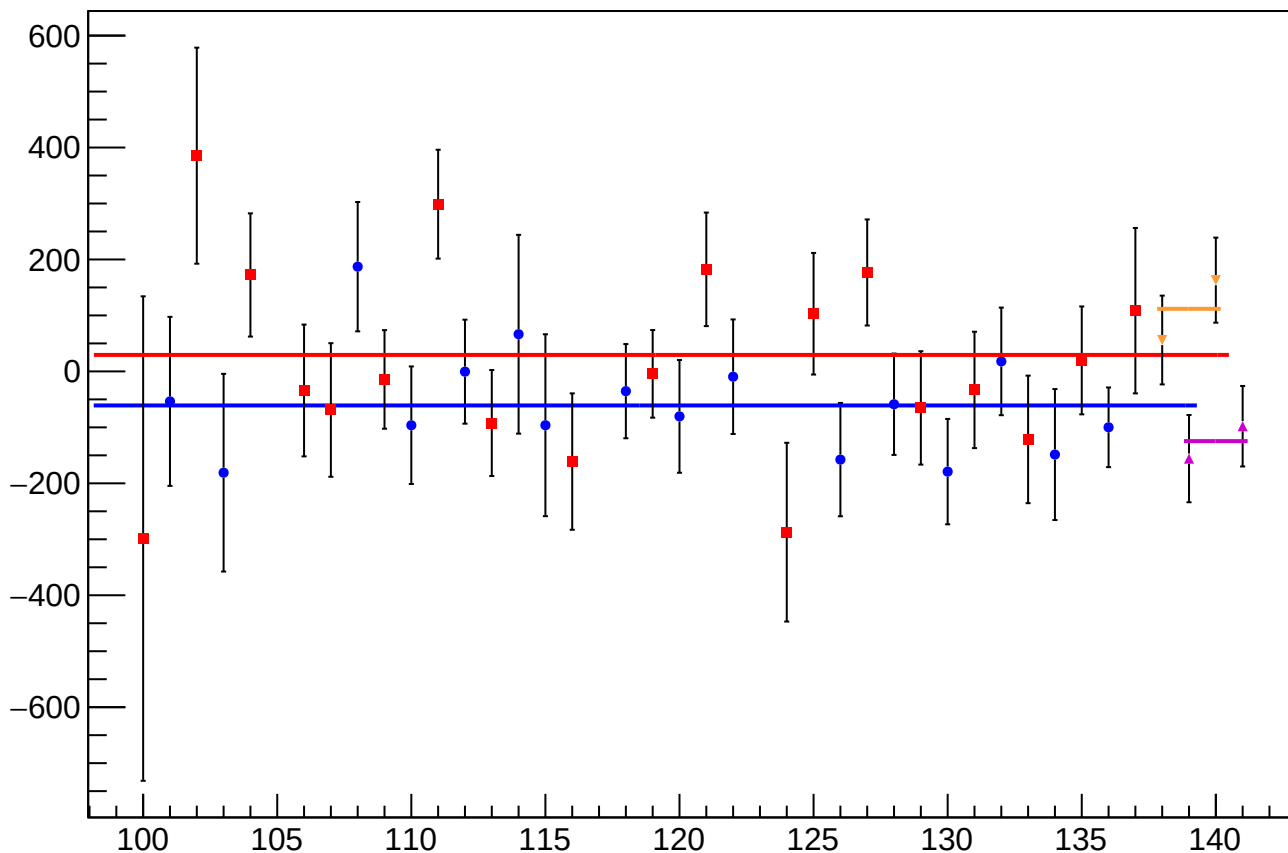
Left In: 0.000+/-0.000 χ^2/NDF : 265619.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3273517.9/17

All: 0.000+/-0.000 χ^2/NDF : 6154969.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2532655.2/20

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

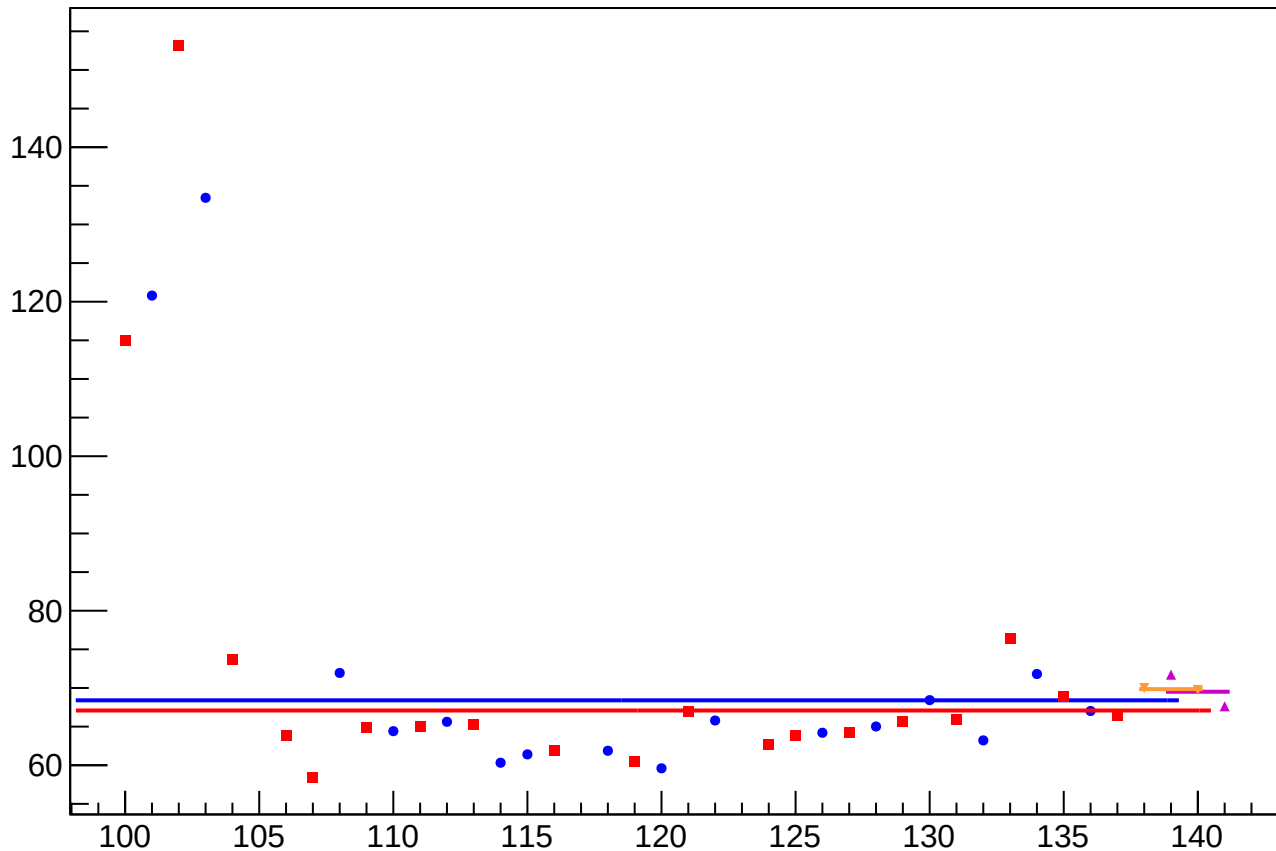
Left In: -124.572 ± 52.868 χ^2/NDF : 0.3/1

+ sign -29.074 ± 23.535 χ^2/NDF : 19.6/17

All: -13.422 ± 16.330 χ^2/NDF : 58.9/38

- sign 1.112 ± 22.678 χ^2/NDF : 38.4/20

reg_asym_sam7_rms vs Slug



Right In: 68.403 ± 0.018 $\chi^2/\text{NDF}: 569557.5/15$

Left Out: 69.851 ± 0.039 $\chi^2/\text{NDF}: 10.9/1$

Right Out: 67.086 ± 0.018 $\chi^2/\text{NDF}: 481815.1/18$

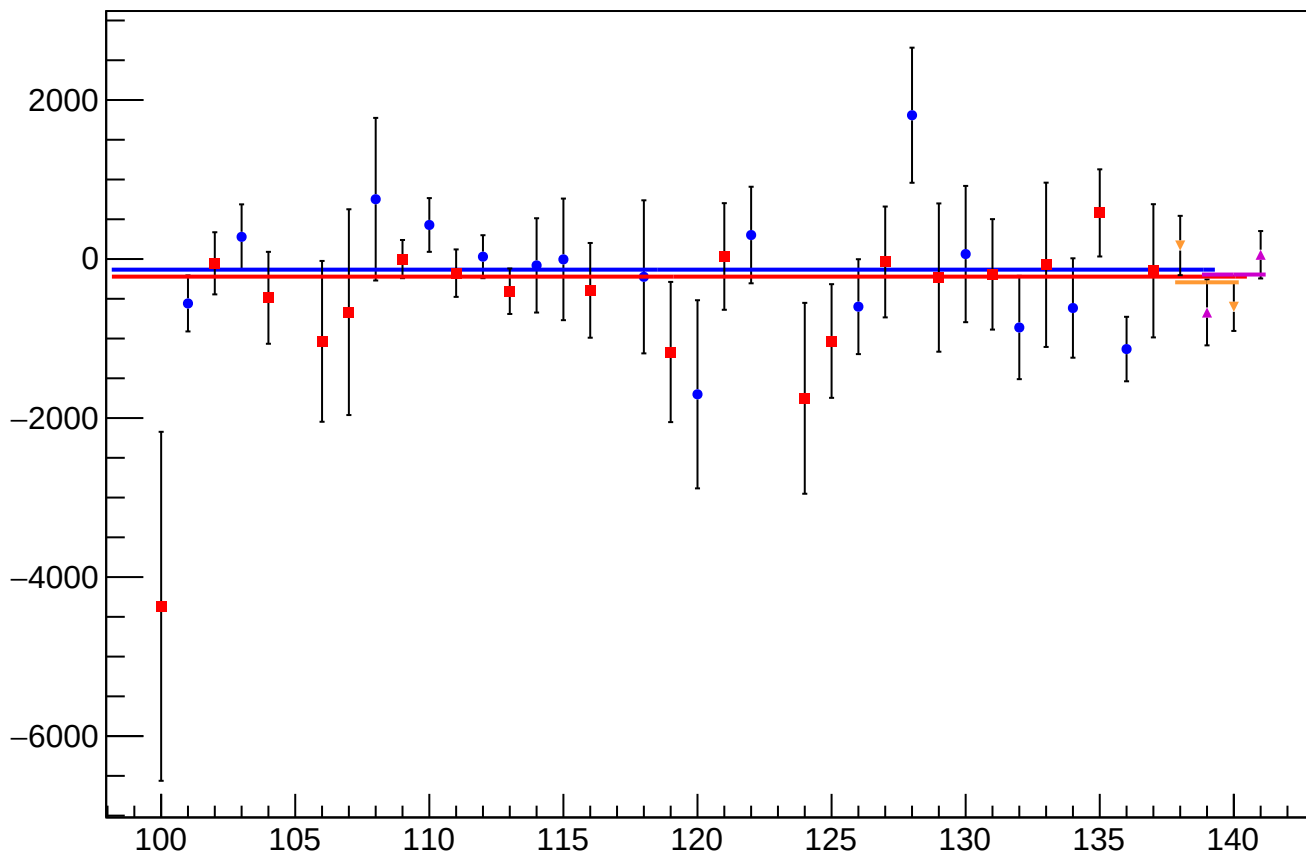
Left In: 69.513 ± 0.037 $\chi^2/\text{NDF}: 2978.5/1$

+ sign 68.670 ± 0.017 $\chi^2/\text{NDF}: 570704.0/17$

All: 68.080 ± 0.012 $\chi^2/\text{NDF}: 1061359.2/38$

- sign 67.532 ± 0.016 $\chi^2/\text{NDF}: 488233.9/20$

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -292.740 ± 235.648 χ^2/NDF : 2.6/1

Right Out: -221.324 ± 117.783 χ^2/NDF : 12.5/18

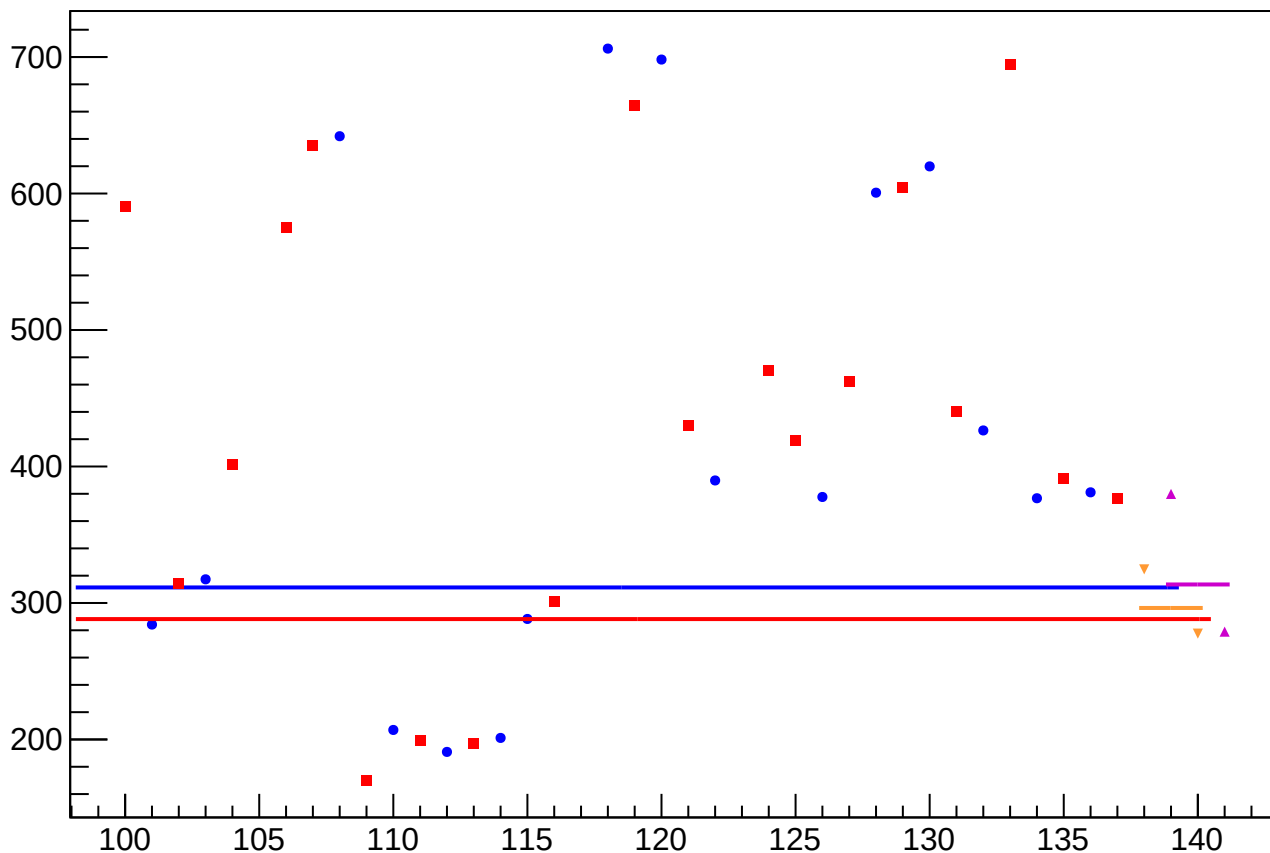
Left In: -195.127 ± 241.776 χ^2/NDF : 2.0/1

+ sign -168.932 ± 111.047 χ^2/NDF : 25.4/17

All: -193.742 ± 76.633 χ^2/NDF : 40.1/38

- sign -216.299 ± 105.886 χ^2/NDF : 14.6/20

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

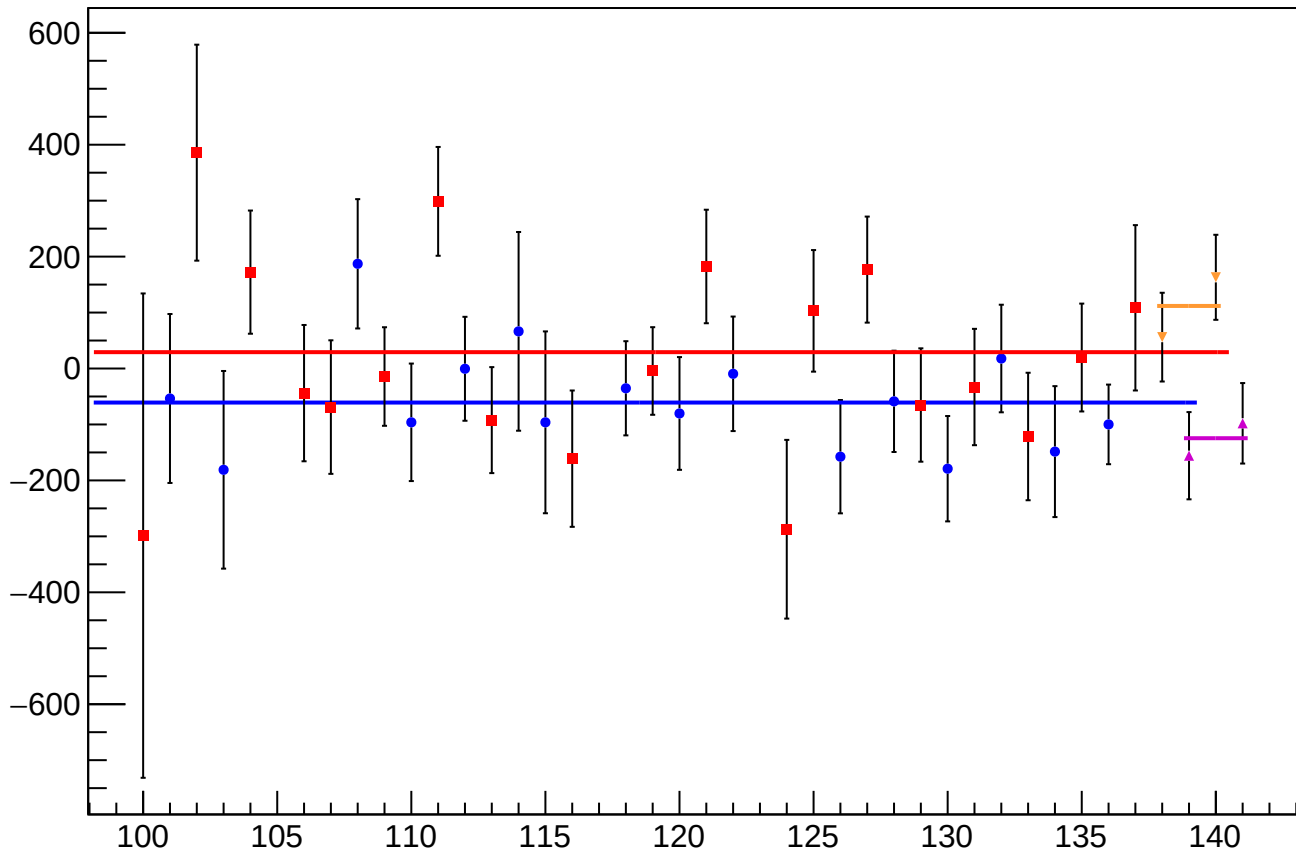
Left In: 313.565 $\pm$ 0.171 χ^2 /NDF:78465.5/1

+ sign 308.046 $\pm$ 0.079 χ^2 /NDF: 2149279.1/17

All: 300.202 $\pm$ 0.054 χ^2 /NDF: 4979965.1/38

- sign 293.069 $\pm$ 0.075 χ^2 /NDF: 2811629.8/20

cor_asym_sam7_mean vs Slug



Right In: -60.848 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 111.826 ± 54.866 χ^2/NDF : 0.9/1

Right Out: 29.221 ± 25.143 χ^2/NDF : 31.3/18

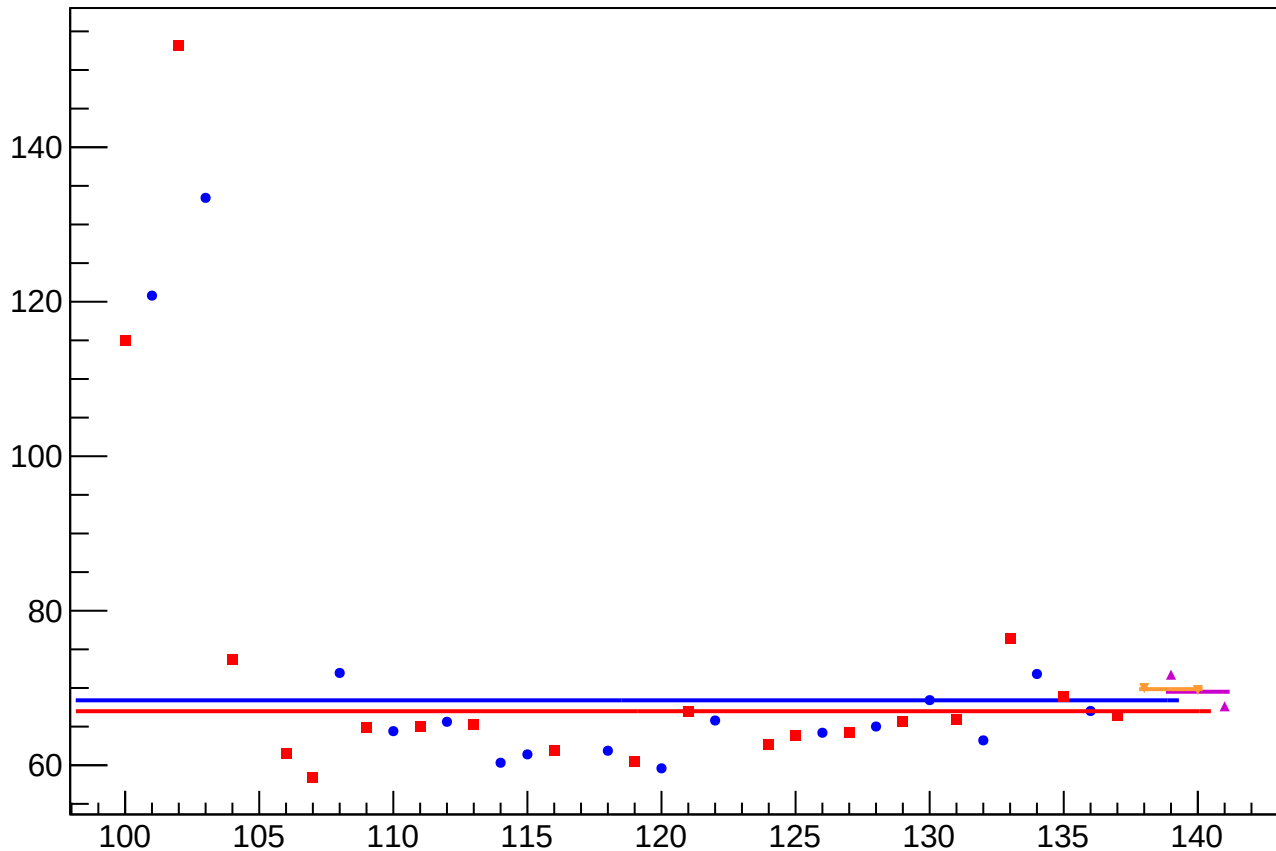
Left In: -124.573 ± 52.868 χ^2/NDF : 0.3/1

+ sign -29.076 ± 23.535 χ^2/NDF : 19.6/17

All: -13.575 ± 16.341 χ^2/NDF : 58.9/38

- sign 0.853 ± 22.706 χ^2/NDF : 38.5/20

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 $\chi^2/\text{NDF}: 484487.7/18$

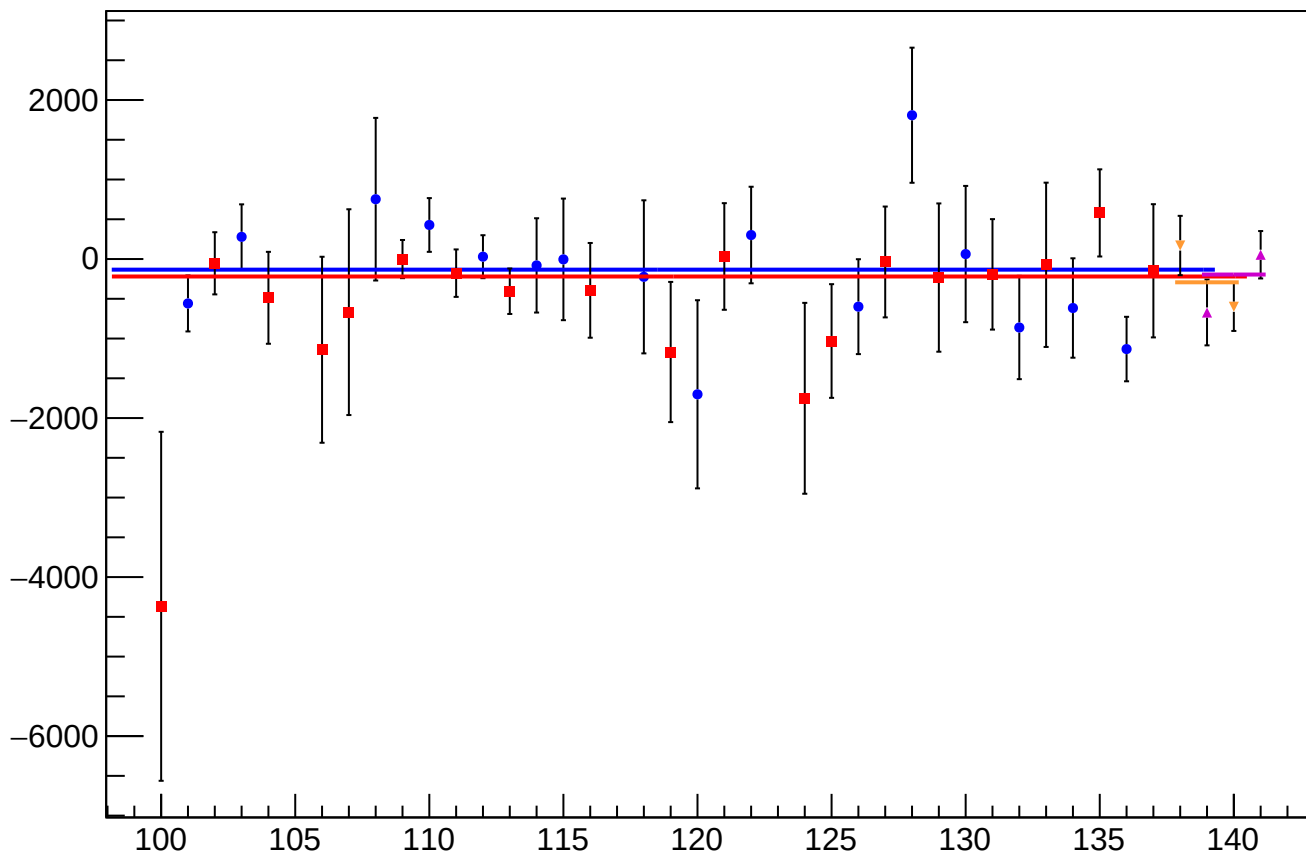
Left In: 69.513 ± 0.037 $\chi^2/\text{NDF}: 2978.5/1$

+ sign 68.670 ± 0.017 $\chi^2/\text{NDF}: 570704.3/17$

All: 68.043 ± 0.012 $\chi^2/\text{NDF}: 1064611.8/38$

- sign 67.459 ± 0.016 $\chi^2/\text{NDF}: 491167.6/20$

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -292.737 ± 235.647 χ^2/NDF : 2.6/1

Right Out: -219.615 ± 117.989 χ^2/NDF : 12.5/18

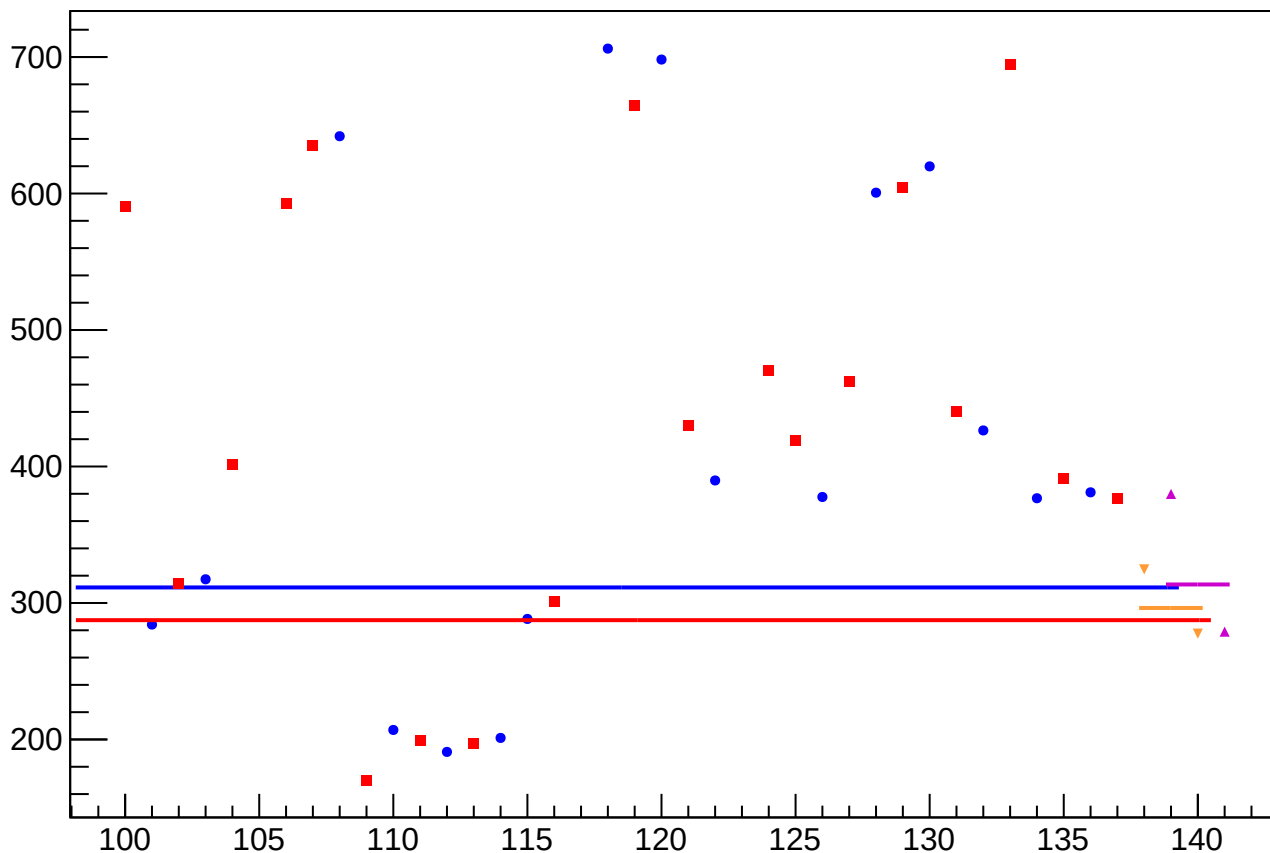
Left In: -195.122 ± 241.777 χ^2/NDF : 2.0/1

+ sign -168.930 ± 111.048 χ^2/NDF : 25.4/17

All: -192.977 ± 76.690 χ^2/NDF : 40.0/38

- sign -214.904 ± 106.037 χ^2/NDF : 14.6/20

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

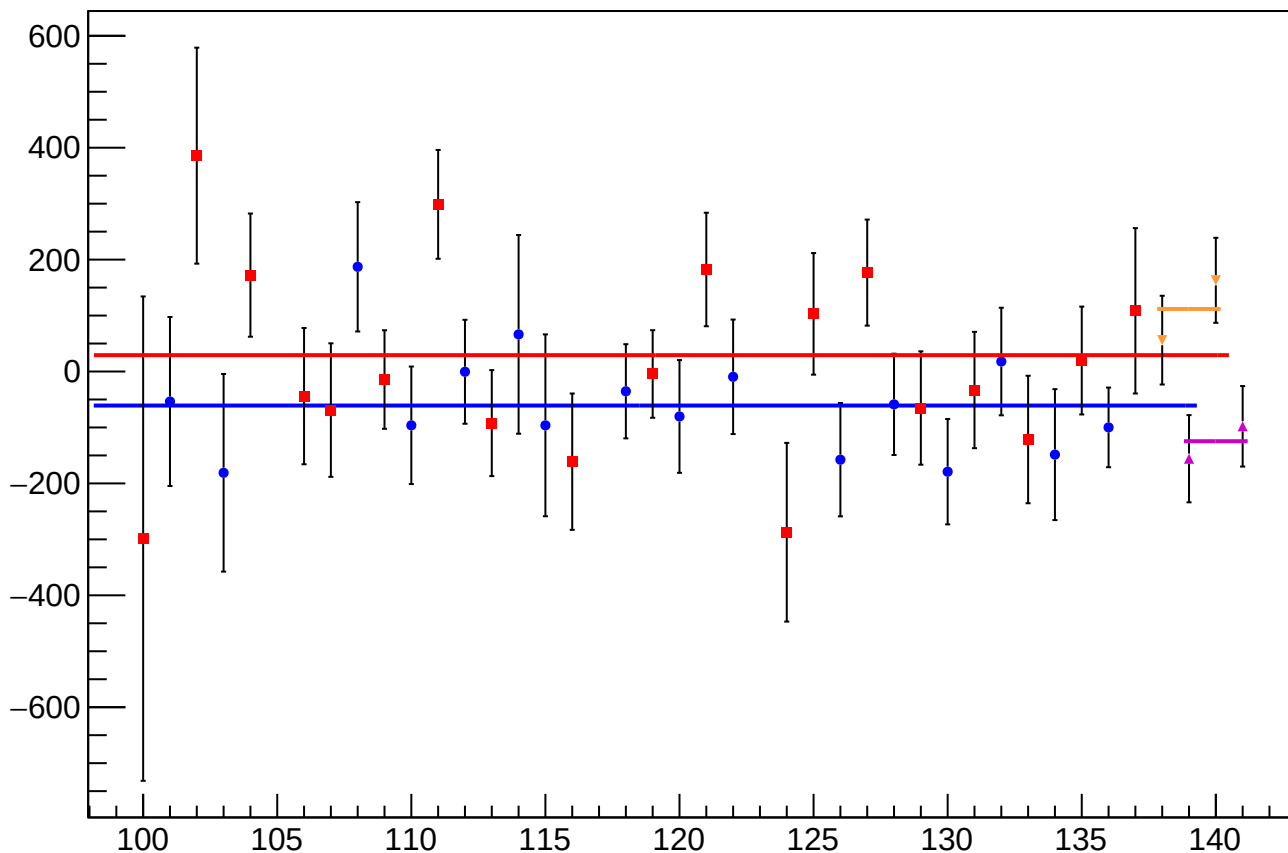
Left In: 313.566 $\pm$ 0.171 χ^2/NDF : 78464.3/1

+ sign 308.048 $\pm$ 0.079 χ^2/NDF : 2149282.2/17

All: 299.886 $\pm$ 0.054 χ^2/NDF : 4957560.8/38

- sign 292.443 $\pm$ 0.075 χ^2/NDF : 2787622.2/20

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

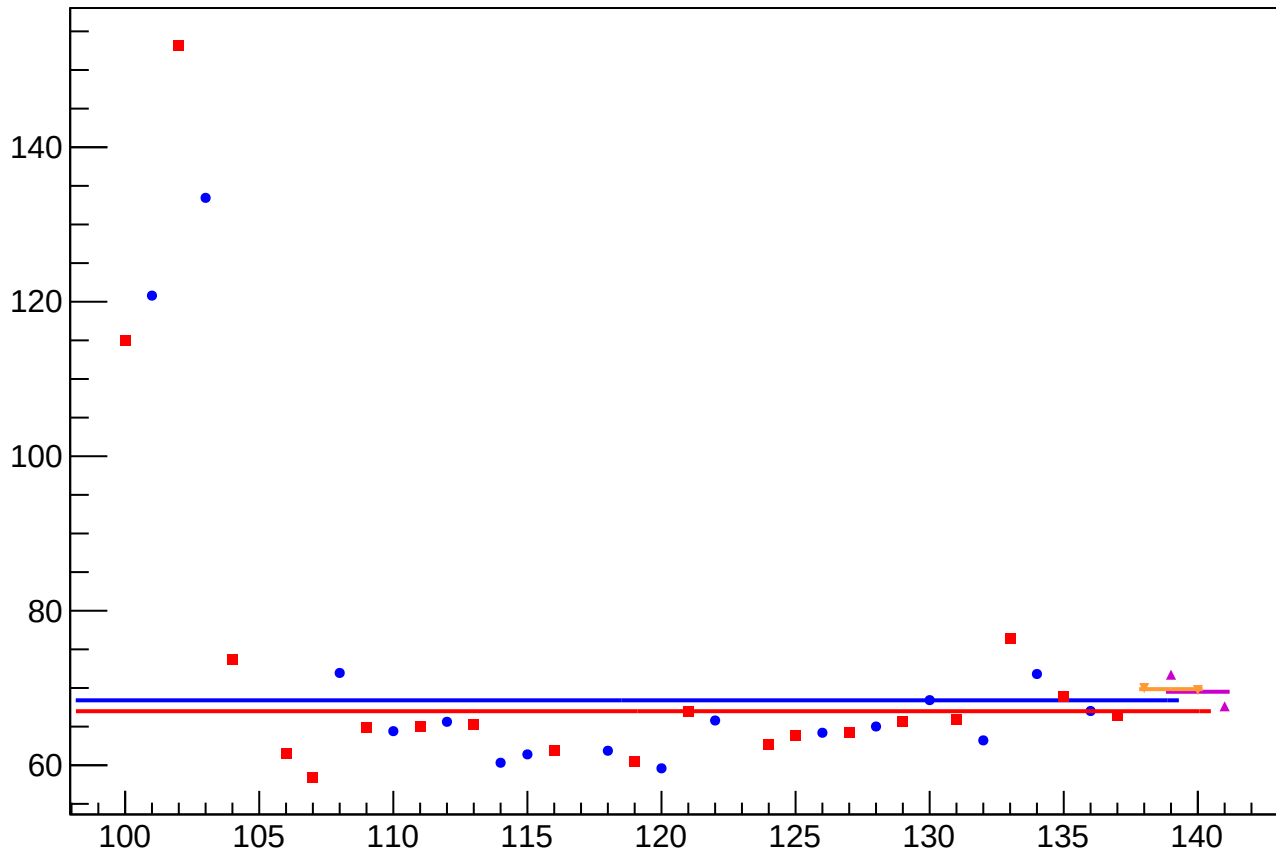
Left In: -124.573 ± 52.868 χ^2/NDF : 0.3/1

+ sign -29.076 ± 23.535 χ^2/NDF : 19.6/17

All: -13.575 ± 16.341 χ^2/NDF : 58.9/38

- sign 0.853 ± 22.706 χ^2/NDF : 38.5/20

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403 ± 0.018 χ^2/NDF : 569557.9/15

Left Out: 69.851 ± 0.039 χ^2/NDF : 10.9/1

Right Out: 66.995 ± 0.018 χ^2/NDF : 484487.7/18

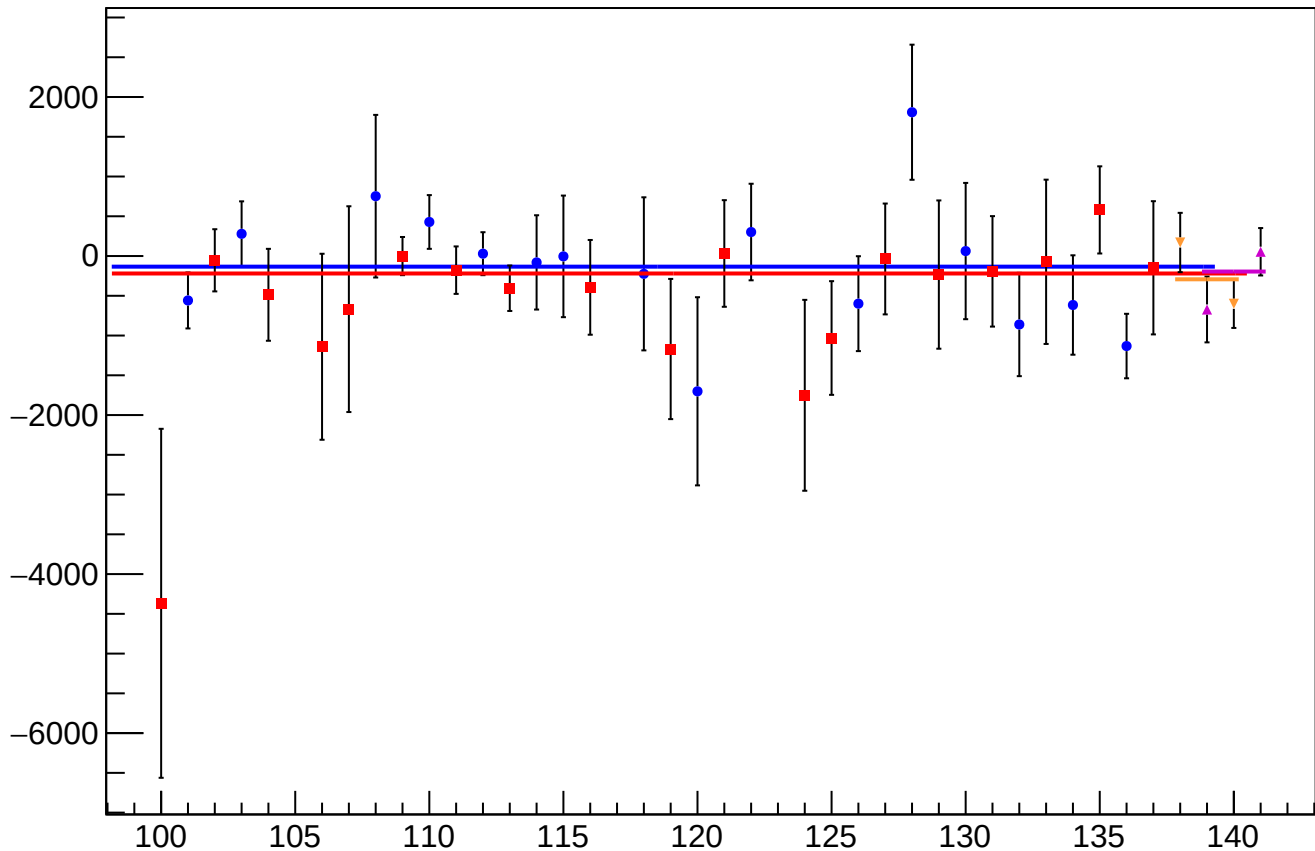
Left In: 69.513 ± 0.037 χ^2/NDF : 2978.5/1

+ sign 68.670 ± 0.017 χ^2/NDF : 570704.3/17

All: 68.043 ± 0.012 χ^2/NDF : 1064611.8/38

- sign 67.459 ± 0.016 χ^2/NDF : 491167.6/20

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

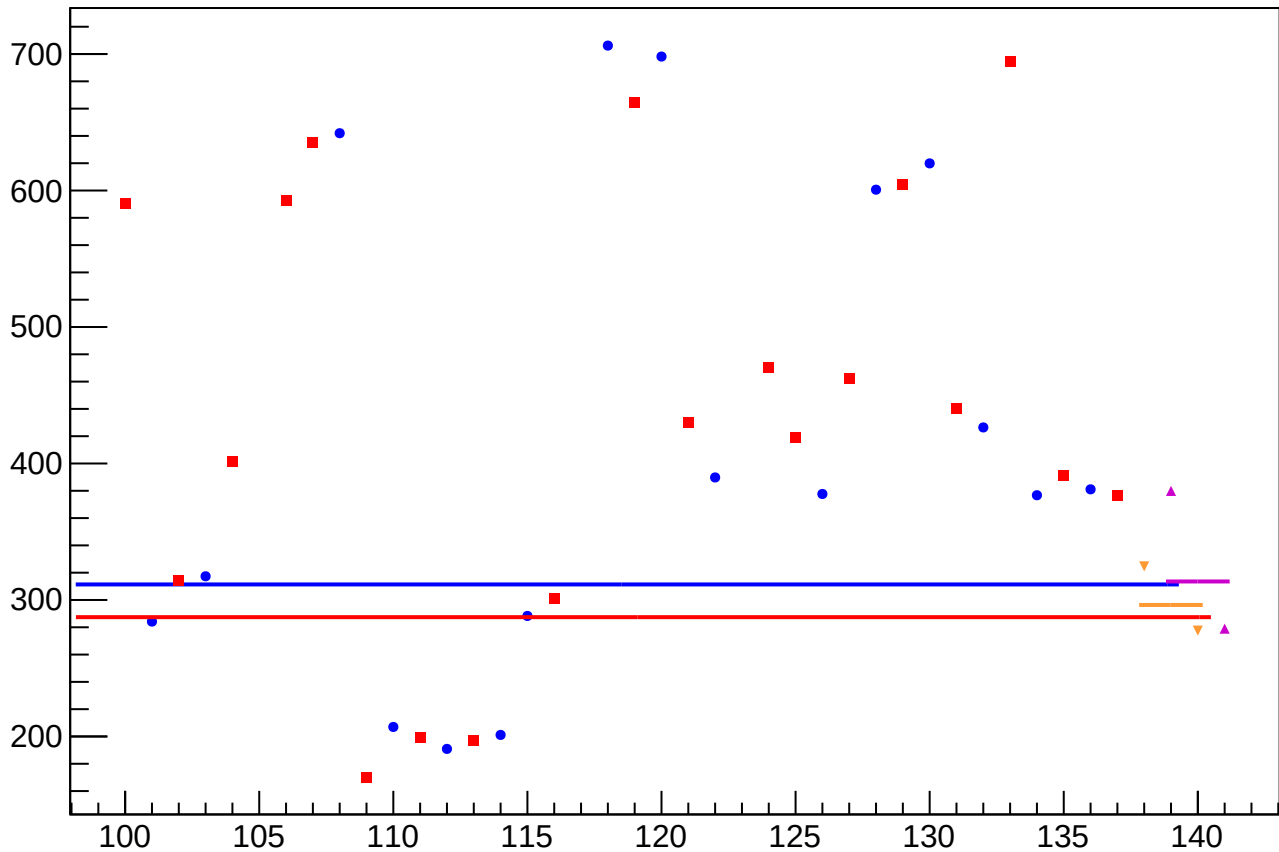
Left In: -195.122+/-241.777 χ^2/NDF : 2.0/1

+ sign -168.930+/-111.048 χ^2/NDF : 25.4/17

All: -192.977+/-76.690 χ^2/NDF : 40.0/38

- sign -214.904+/-106.037 χ^2/NDF : 14.6/20

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

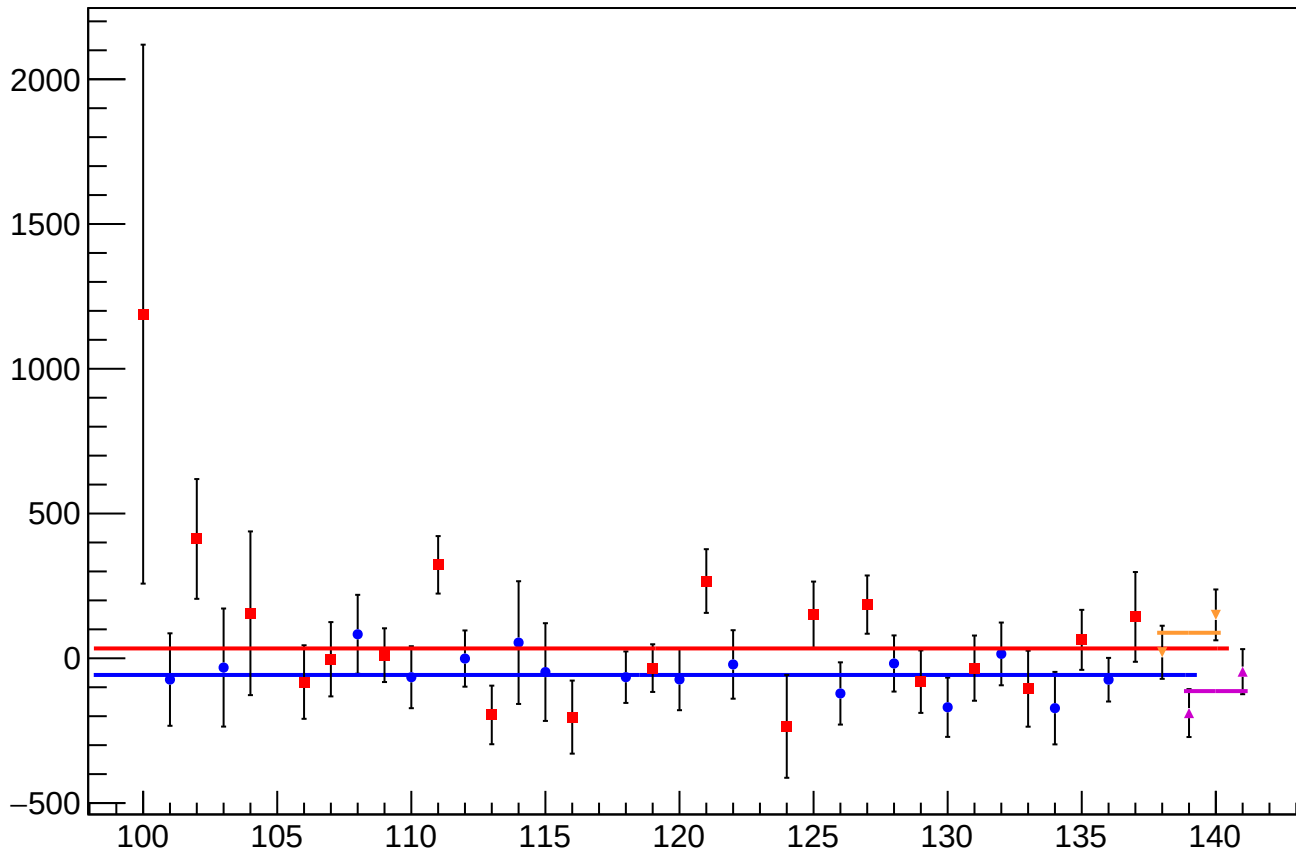
Left In: 313.566+/-0.171 χ^2/NDF : 78464.3/1

+ sign 308.048+/-0.079 χ^2/NDF : 2149282.2/17

All: 299.886+/-0.054 χ^2/NDF : 4957560.8/38

- sign 292.443+/-0.075 χ^2/NDF : 2787622.2/20

dit_asym_sam7_mean vs Slug



Right In: -57.533 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 88.175 ± 63.427 χ^2/NDF : 1.0/1

Right Out: 34.033 ± 27.398 χ^2/NDF : 37.1/18

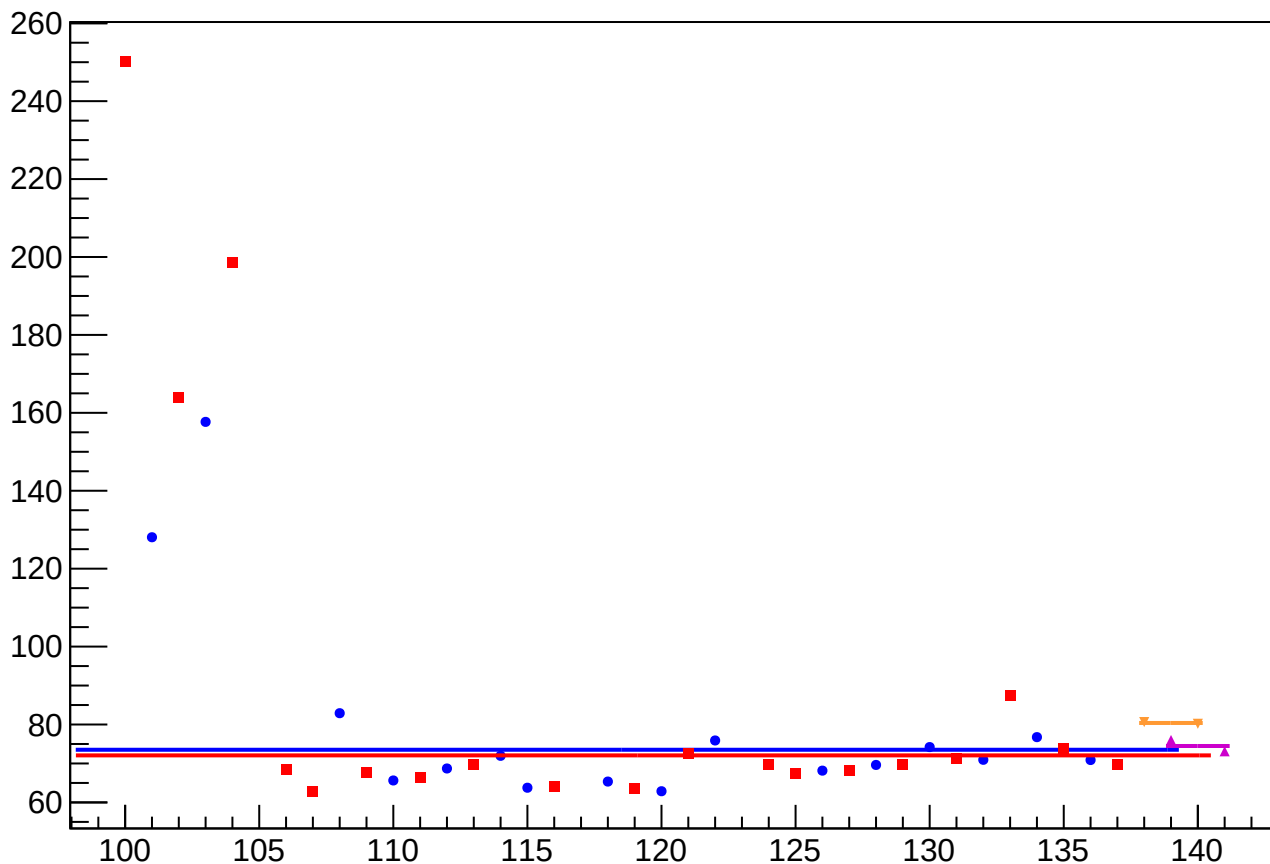
Left In: -113.294 ± 56.710 χ^2/NDF : 1.6/1

+ sign -33.645 ± 25.682 χ^2/NDF : 10.3/17

All: -12.947 ± 17.791 χ^2/NDF : 55.8/38

- sign 6.153 ± 24.670 χ^2/NDF : 44.2/20

dit_asym_sam7_rms vs Slug



Right In: 73.519 $\pm$ 0.020 χ^2 /NDF: 656847.5/15

Left Out: 80.395 $\pm$ 0.045 χ^2 /NDF:23.9/1

Right Out: 72.074 $\pm$ 0.019 χ^2 /NDF: 958495.0/18

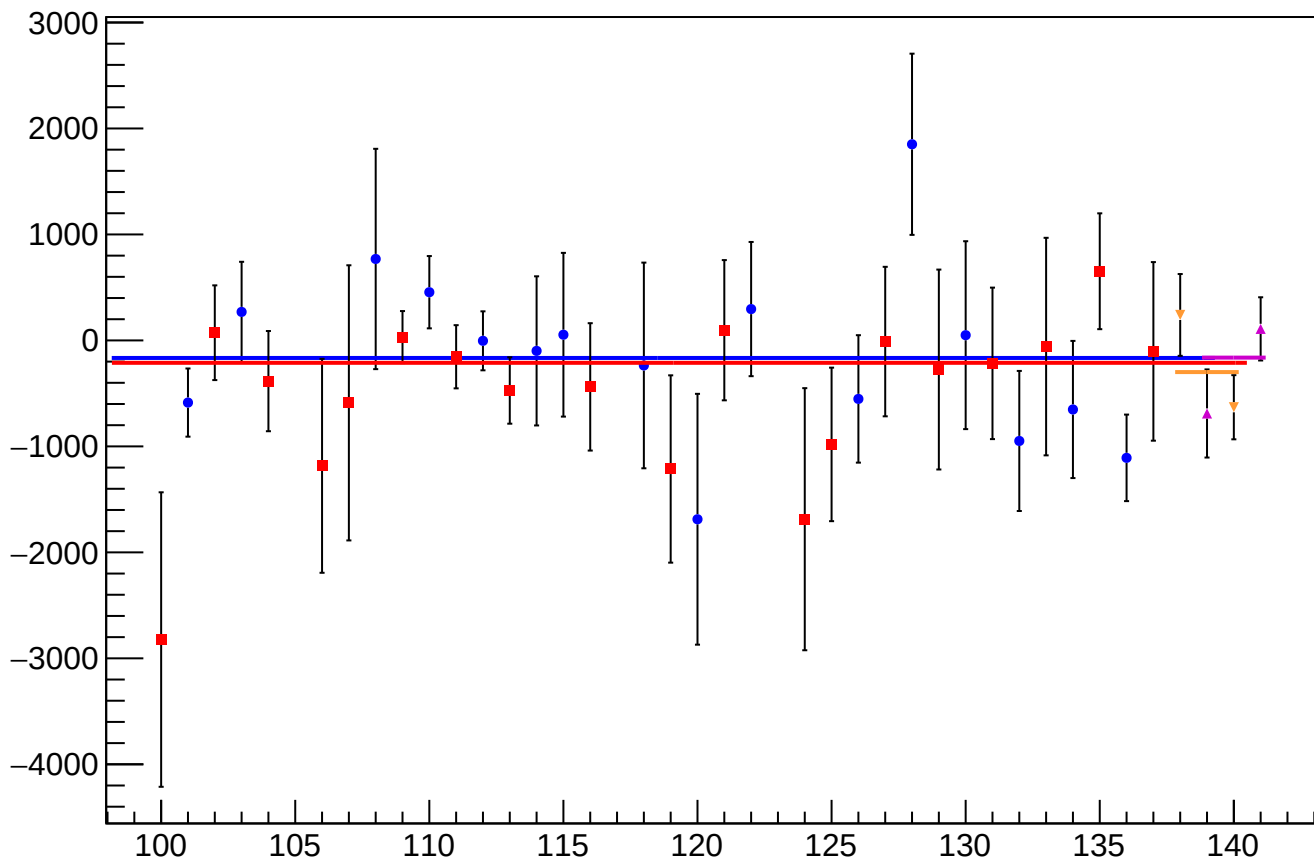
Left In: 74.484 $\pm$ 0.040 χ^2 /NDF:1299.1/1

+ sign 74.646 $\pm$ 0.018 χ^2 /NDF: 676524.1/17

All: 73.546 $\pm$ 0.013 χ^2 /NDF: 1646310.7/38

- sign 72.530 $\pm$ 0.017 χ^2 /NDF: 962723.3/20

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF : 22.6/15

Left Out: -298.741+/-238.201 χ^2/NDF : 3.2/1

Right Out: -211.347+/-120.122 χ^2/NDF : 13.6/18

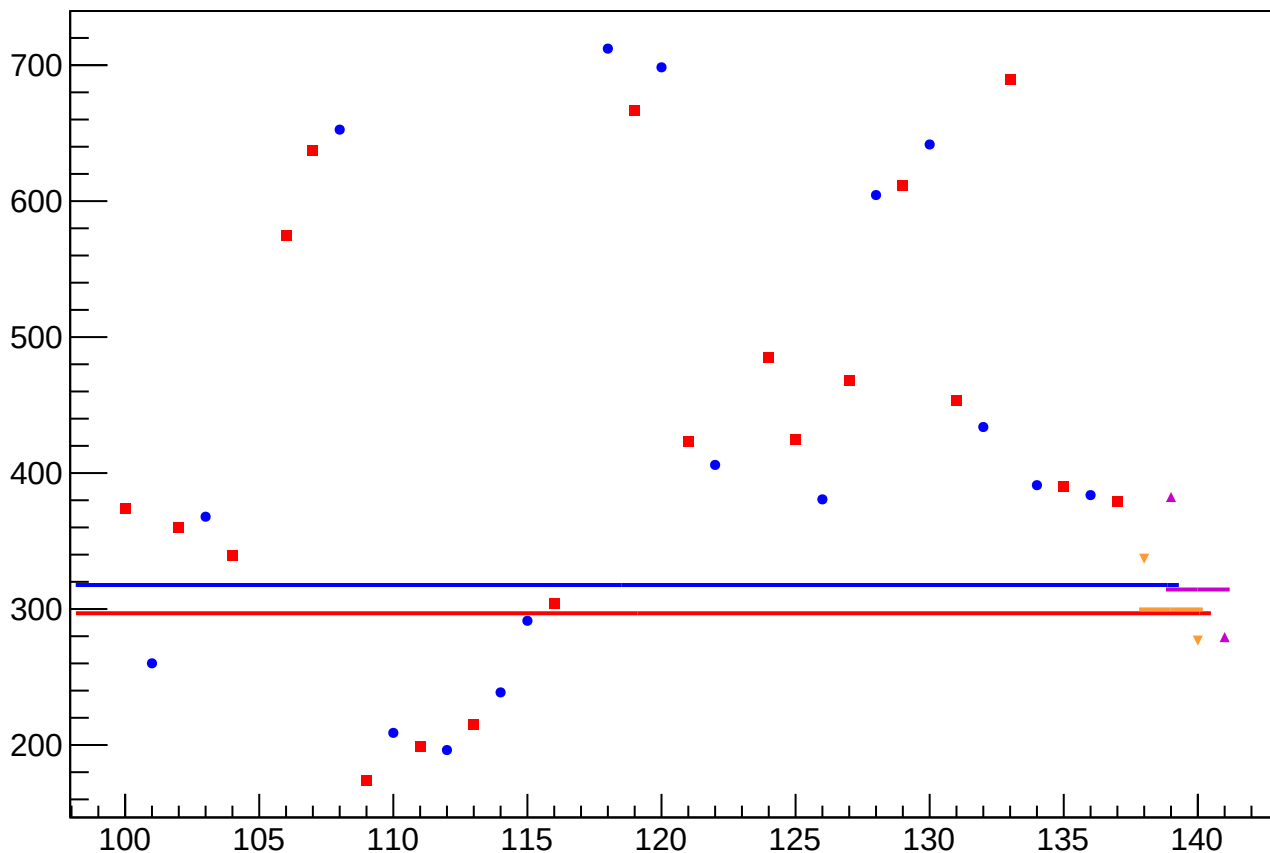
Left In: -162.339+/-242.342 χ^2/NDF : 2.4/1

+ sign -195.512+/-113.051 χ^2/NDF : 26.0/17

All: -198.748+/-77.950 χ^2/NDF : 42.1/38

- sign -201.681+/-107.626 χ^2/NDF : 16.1/20

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

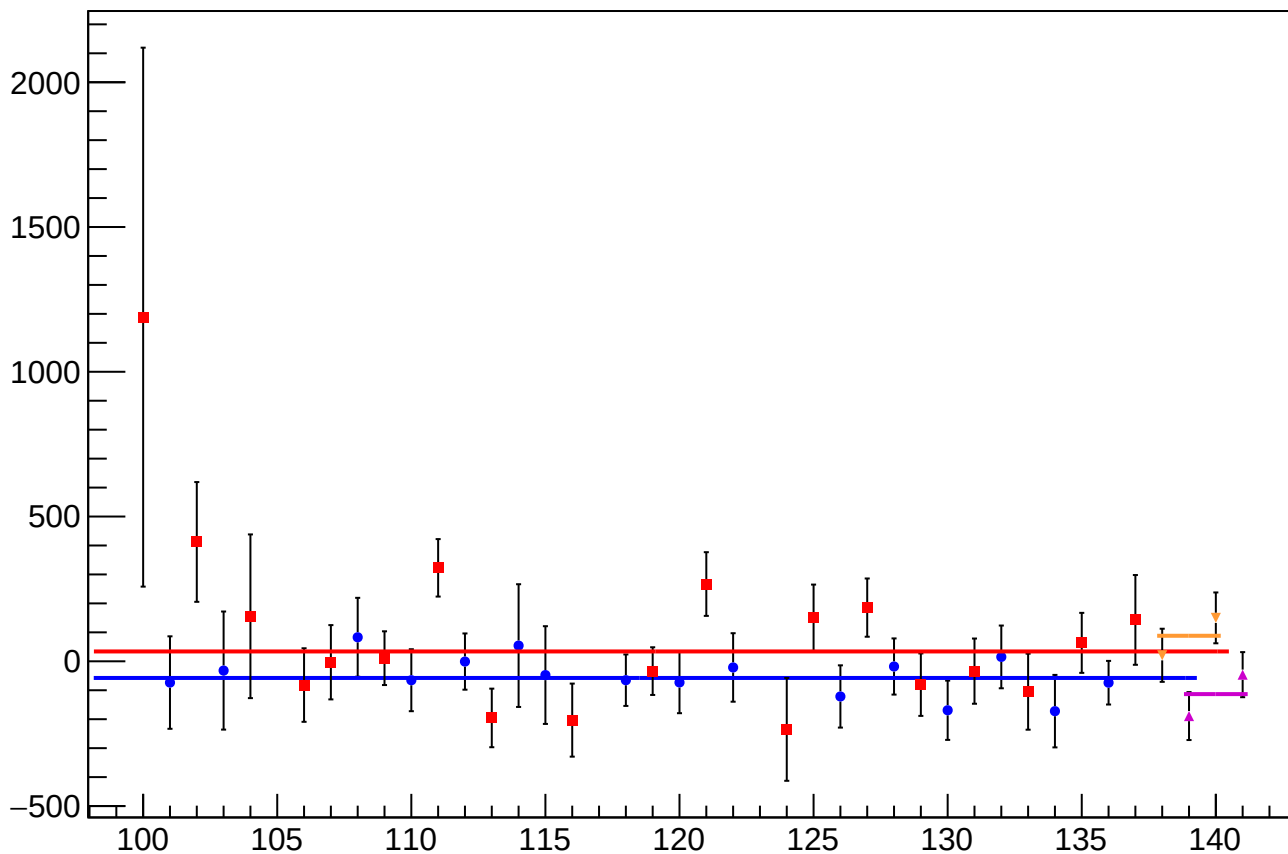
Left In: 314.351 $\pm$ 0.171 χ^2 /NDF:81115.6/1

+ sign 313.620 $\pm$ 0.080 χ^2 /NDF: 2175155.9/17

All: 306.650 $\pm$ 0.055 χ^2 /NDF: 4820142.9/38

- sign 300.332 $\pm$ 0.076 χ^2 /NDF: 2630492.2/20

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 88.173 ± 63.427 χ^2/NDF : 1.0/1

Right Out: 34.034 ± 27.398 χ^2/NDF : 37.1/18

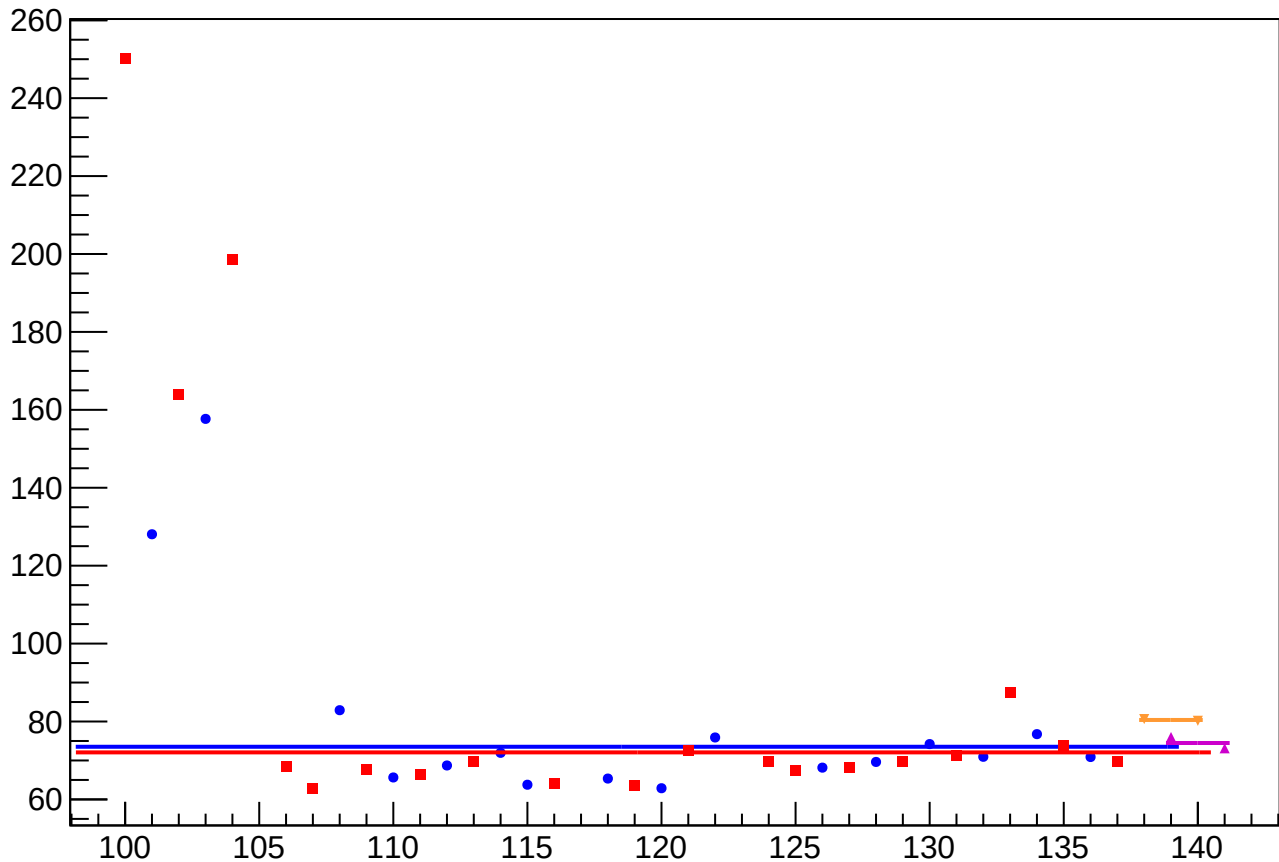
Left In: -113.295 ± 56.710 χ^2/NDF : 1.6/1

+ sign -33.644 ± 25.681 χ^2/NDF : 10.3/17

All: -12.946 ± 17.791 χ^2/NDF : 55.8/38

- sign 6.154 ± 24.670 χ^2/NDF : 44.2/20

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656849.2/15

Left Out: 80.395+/-0.045 χ^2/NDF : 23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF : 958496.3/18

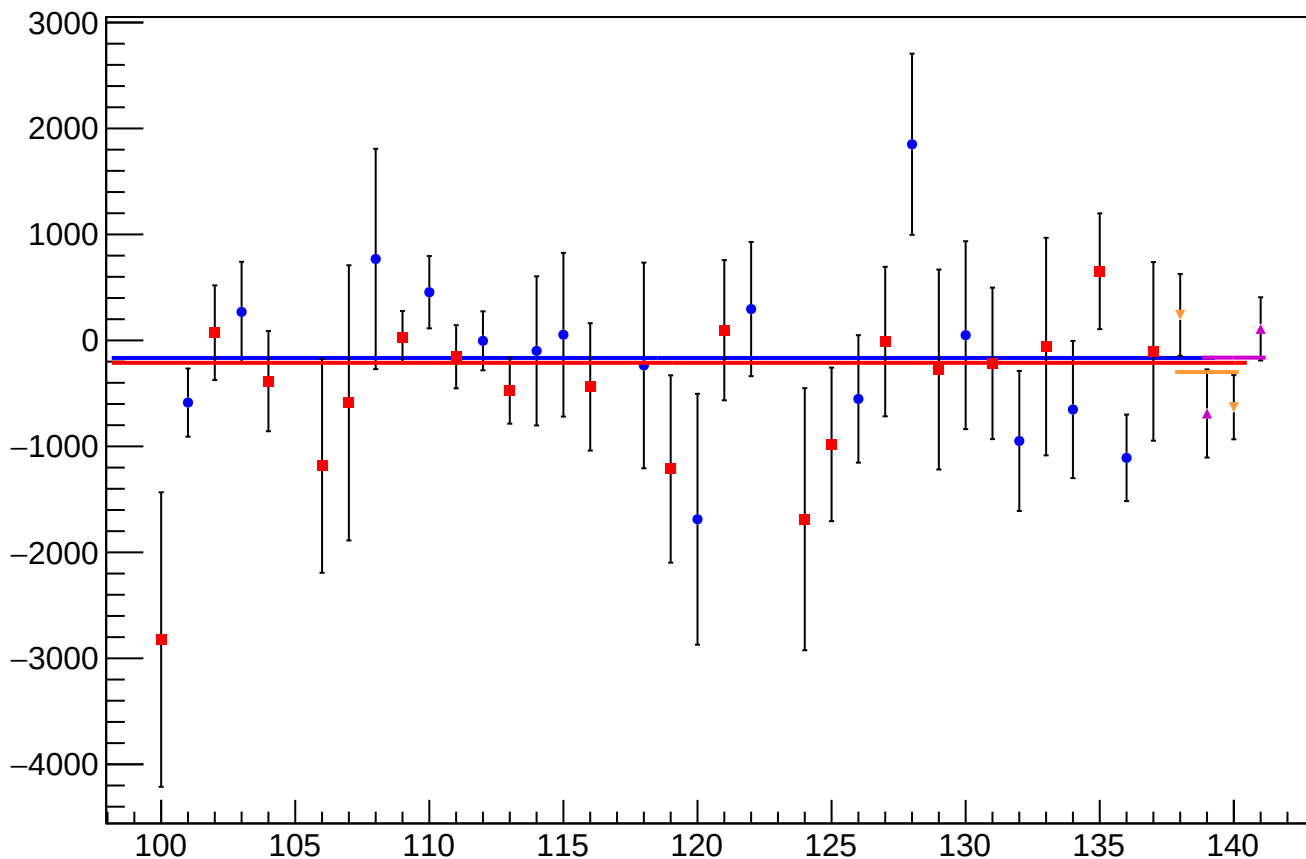
Left In: 74.484+/-0.040 χ^2/NDF : 1299.1/1

+ sign 74.646+/-0.018 χ^2/NDF : 676526.4/17

All: 73.546+/-0.013 χ^2/NDF : 1646314.2/38

- sign 72.530+/-0.017 χ^2/NDF : 962724.8/20

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF : 22.6/15

Left Out: -298.742+/-238.201 χ^2/NDF : 3.2/1

Right Out: -211.347+/-120.121 χ^2/NDF : 13.6/18

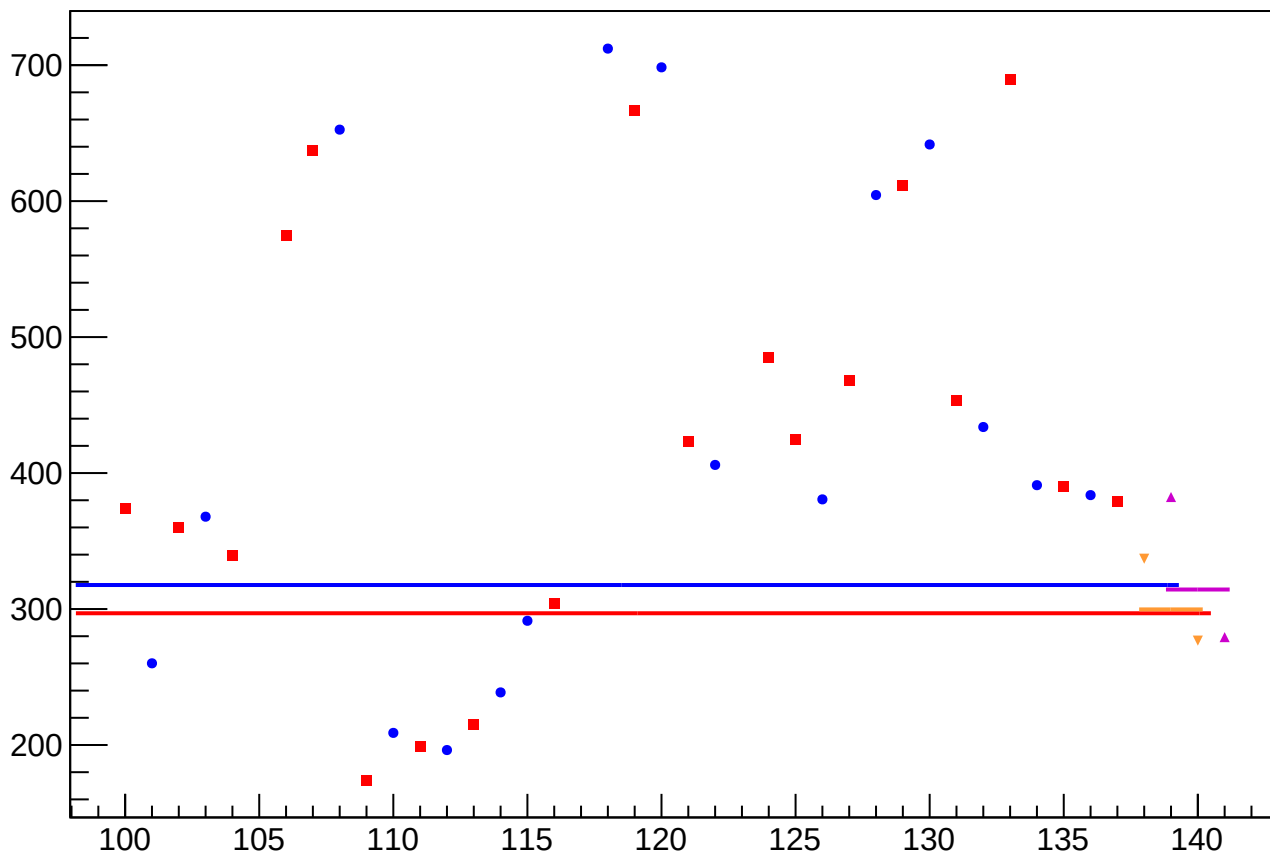
Left In: -162.341+/-242.342 χ^2/NDF : 2.4/1

+ sign -195.511+/-113.050 χ^2/NDF : 26.0/17

All: -198.748+/-77.950 χ^2/NDF : 42.1/38

- sign -201.681+/-107.625 χ^2/NDF : 16.1/20

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661 $\pm$ 0.091 χ^2/NDF : 2136224.4/15

Left Out: 299.712 $\pm$ 0.168 χ^2/NDF : 30161.9/1

Right Out: 296.887 $\pm$ 0.085 χ^2/NDF : 2541051.2/18

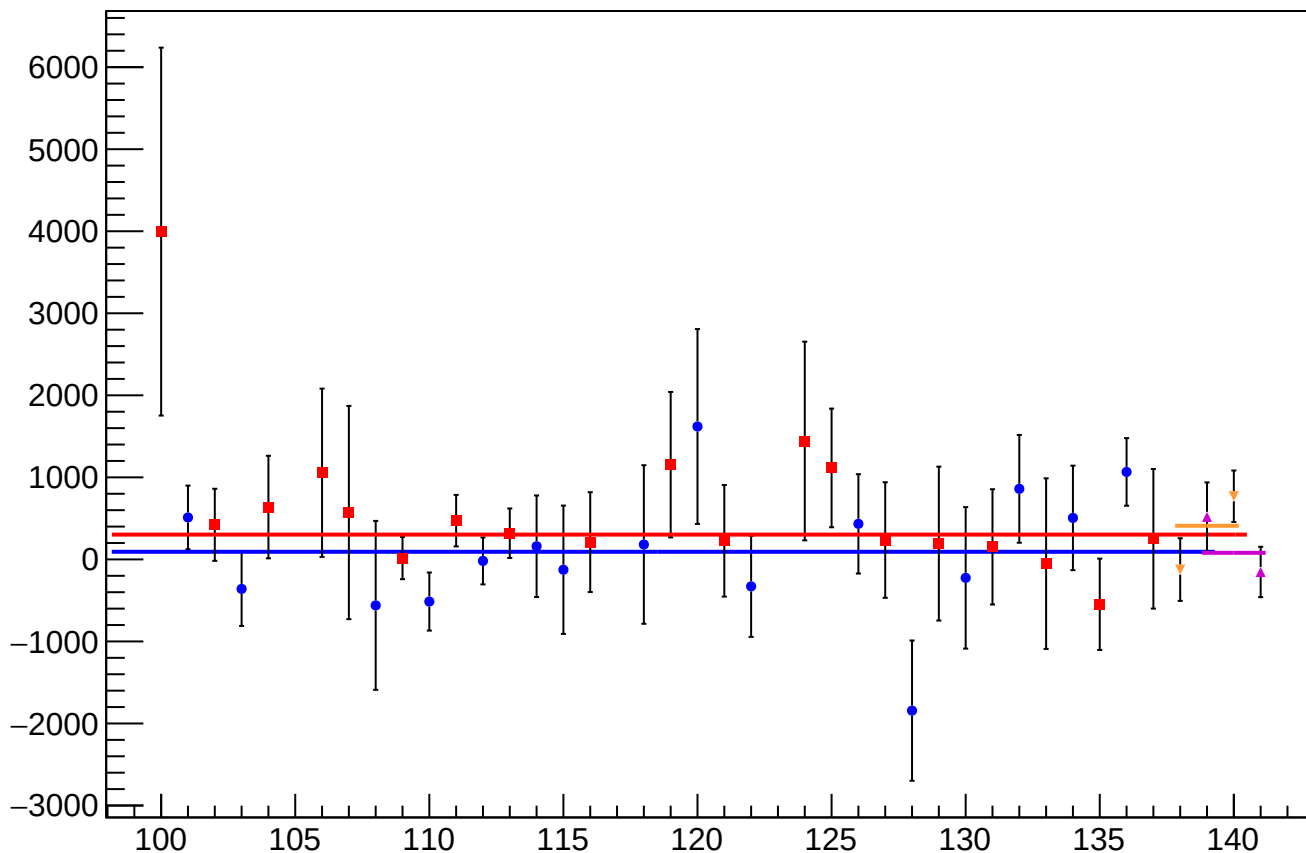
Left In: 314.351 $\pm$ 0.171 χ^2/NDF : 81114.6/1

+ sign 313.618 $\pm$ 0.080 χ^2/NDF : 2175184.7/17

All: 306.648 $\pm$ 0.055 χ^2/NDF : 4820181.8/38

- sign 300.331 $\pm$ 0.076 χ^2/NDF : 2630503.6/20

asym_sam7_mean vs Slug



Right In: 92.803 ± 131.927 $\chi^2/\text{NDF}: 20.8/15$

Left Out: 409.805 ± 242.381 $\chi^2/\text{NDF}: 3.3/1$

Right Out: 302.273 ± 123.916 $\chi^2/\text{NDF}: 10.8/18$

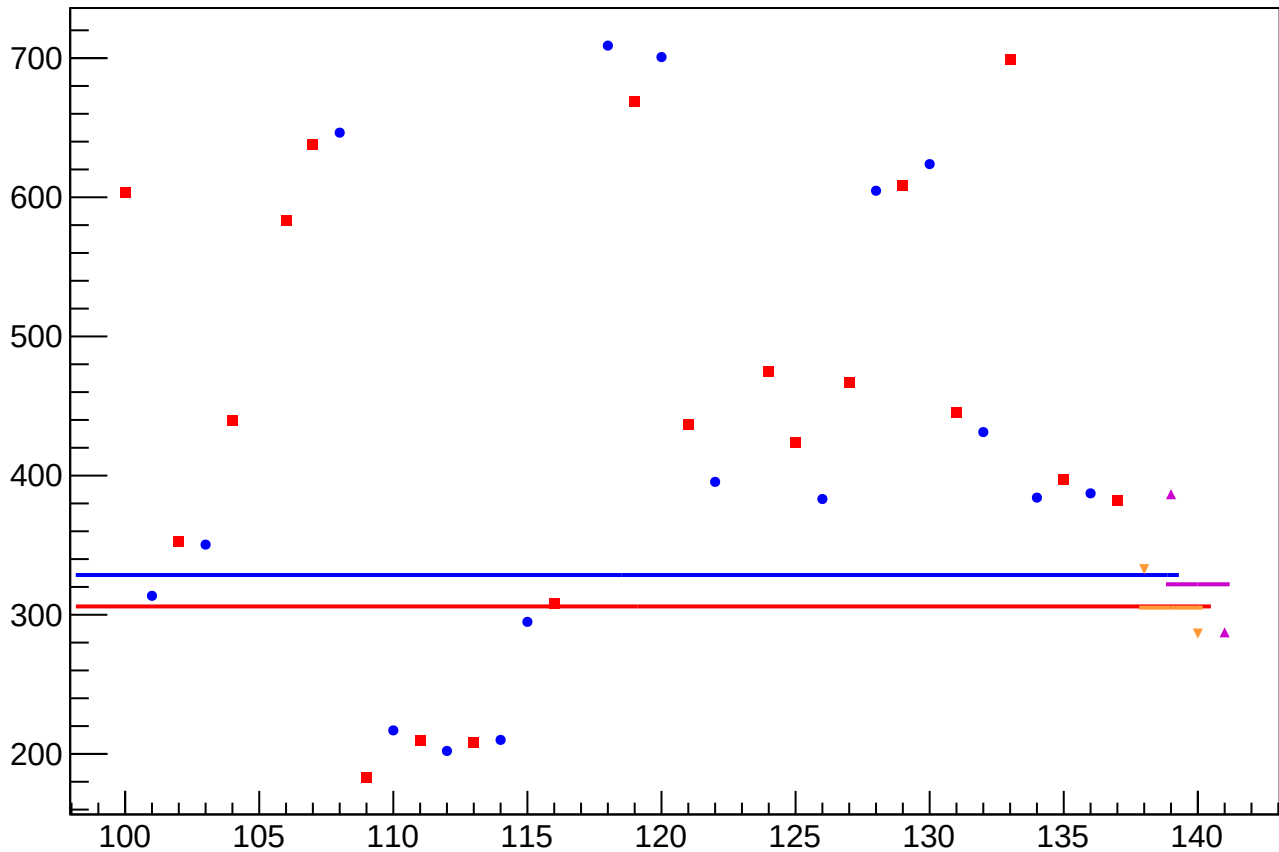
Left In: 80.019 ± 247.931 $\chi^2/\text{NDF}: 1.7/1$

+ sign 165.253 ± 115.875 $\chi^2/\text{NDF}: 25.4/17$

All: 213.606 ± 80.098 $\chi^2/\text{NDF}: 38.9/38$

- sign 257.850 ± 110.843 $\chi^2/\text{NDF}: 13.1/20$

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

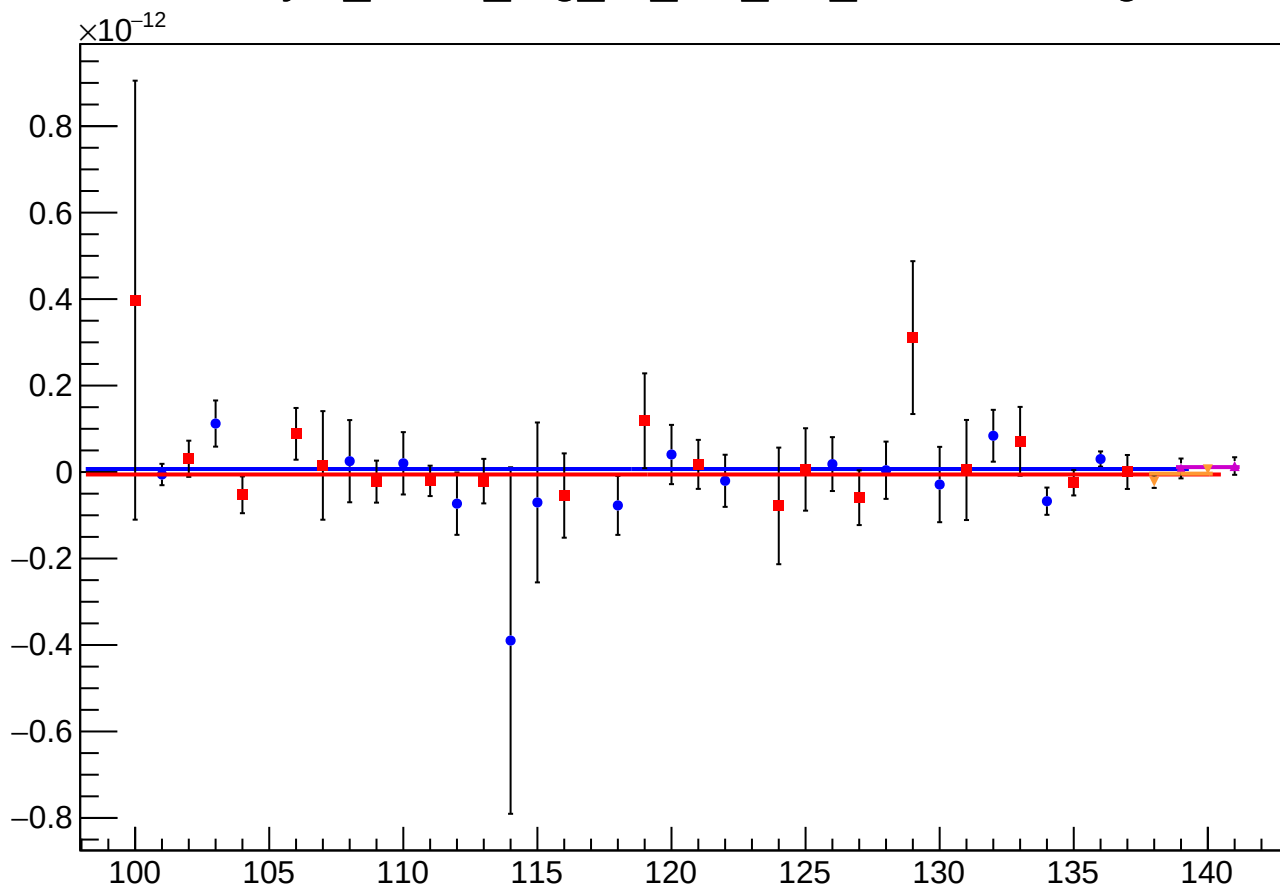
Left In: 321.904 $\pm$ 0.175 χ^2 /NDF:72722.6/1

+ sign 323.210 $\pm$ 0.082 χ^2 /NDF: 1990831.4/17

All: 315.878 $\pm$ 0.057 χ^2 /NDF: 4612945.7/38

- sign 309.169 $\pm$ 0.078 χ^2 /NDF: 2606780.7/20

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.7/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 2.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.8/18

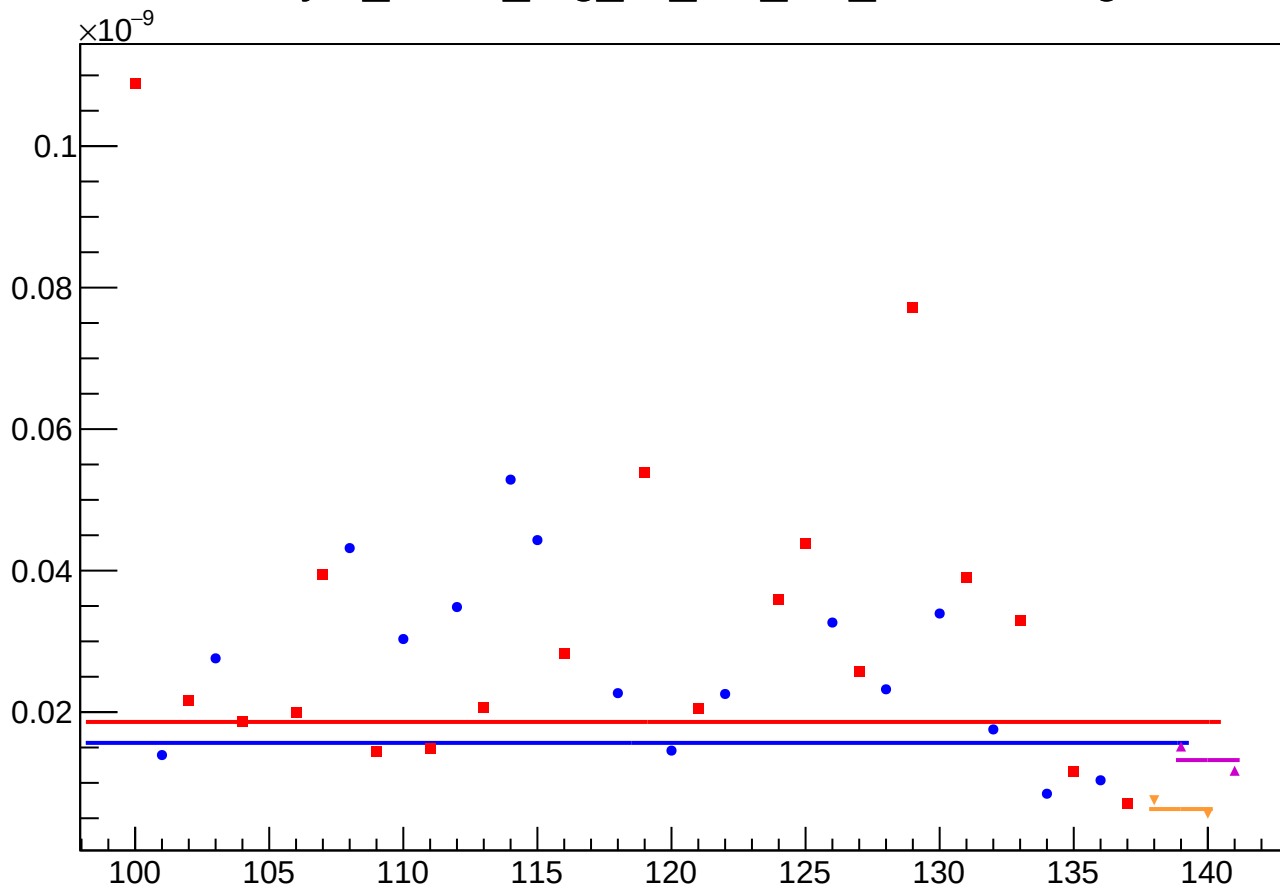
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 20.8/17

All: 0.000 ± 0.000 χ^2/NDF : 34.4/38

- sign 0.000 ± 0.000 χ^2/NDF : 13.6/20

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

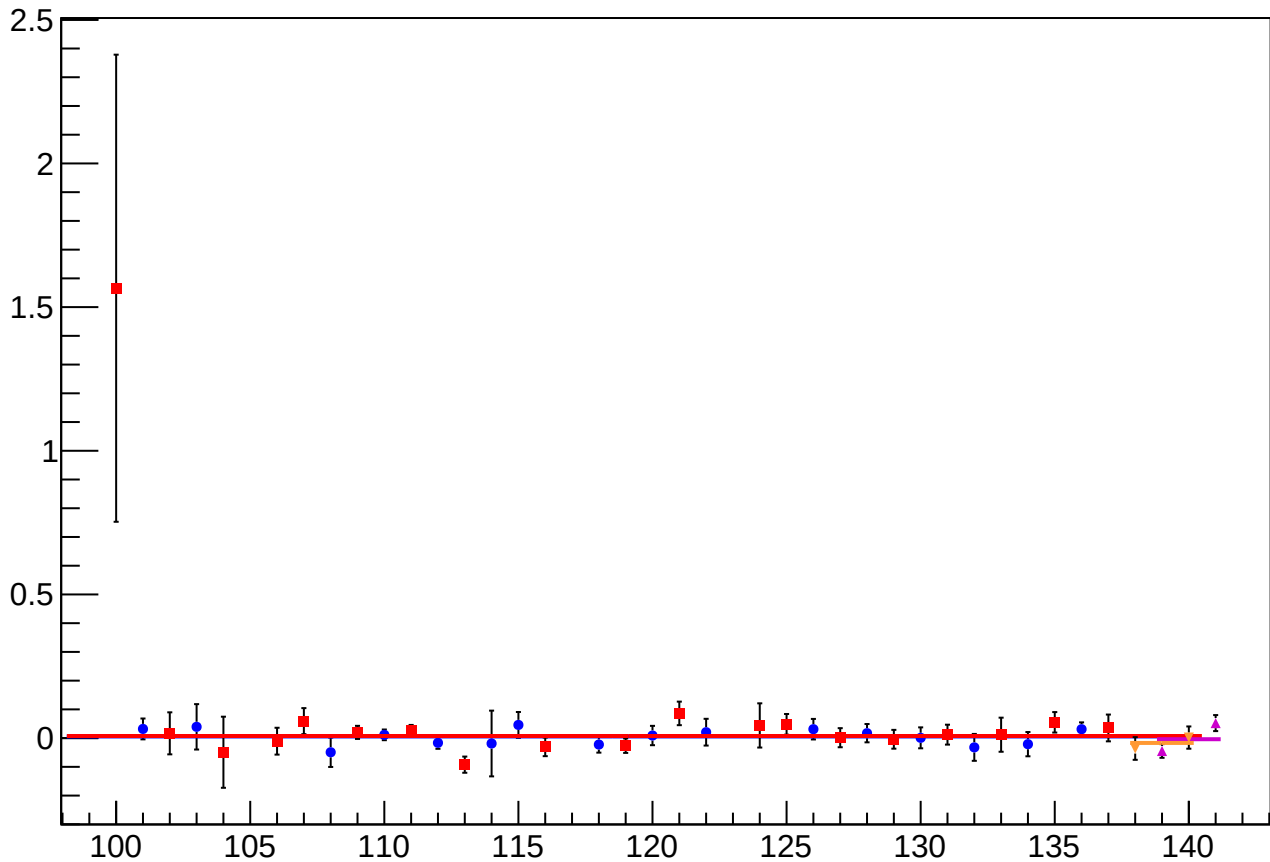
Left In: 0.000+/-0.000 χ^2/NDF : 24988.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 2093524.4/17

All: 0.000+/-0.000 χ^2/NDF : 4095669.8/38

- sign 0.000+/-0.000 χ^2/NDF : 1400098.4/20

asym_sam7_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

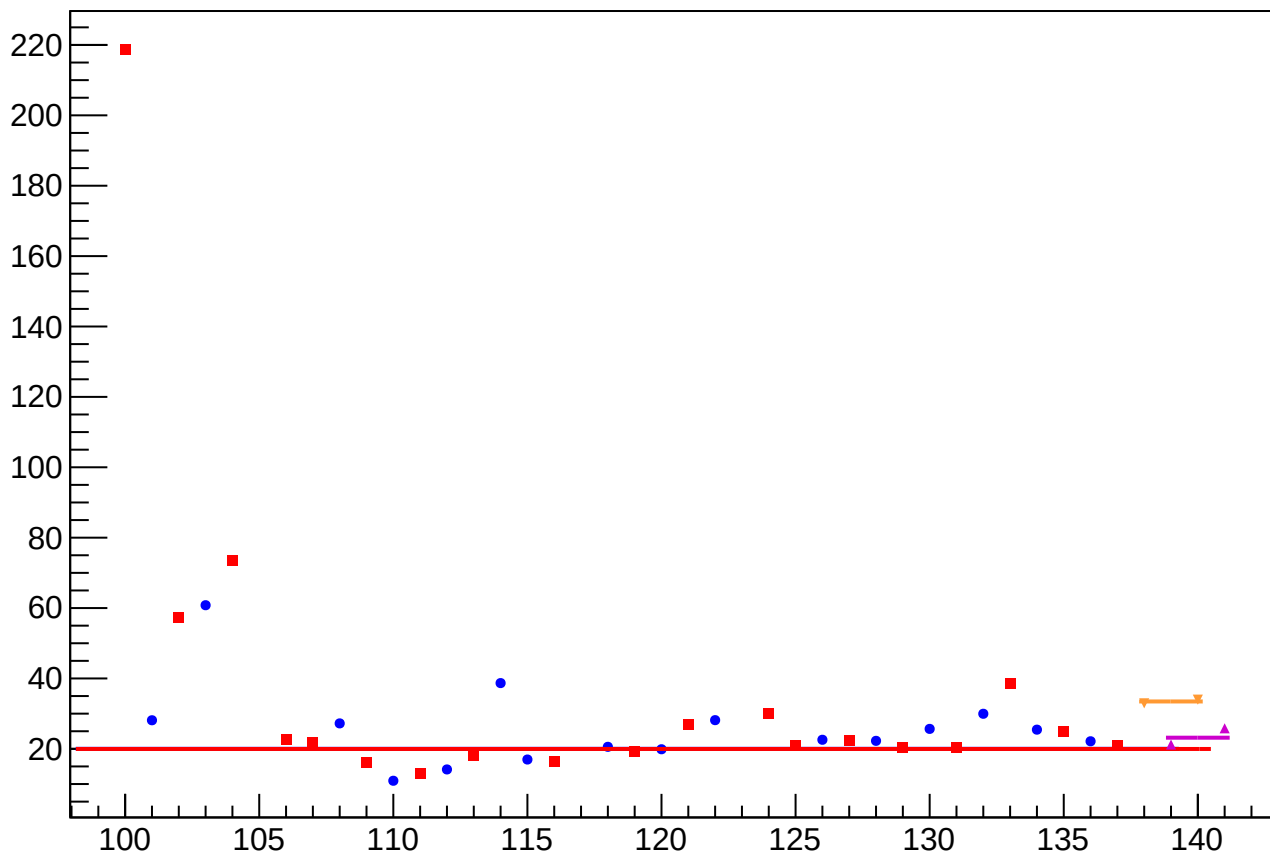
Left In: -0.004 $\pm$ 0.018 χ^2 /NDF: 7.0/1

+ sign 0.004 $\pm$ 0.008 χ^2 /NDF: 9.0/17

All: 0.005 $\pm$ 0.005 χ^2 /NDF: 46.1/38

- sign 0.005 $\pm$ 0.007 χ^2 /NDF: 37.1/20

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

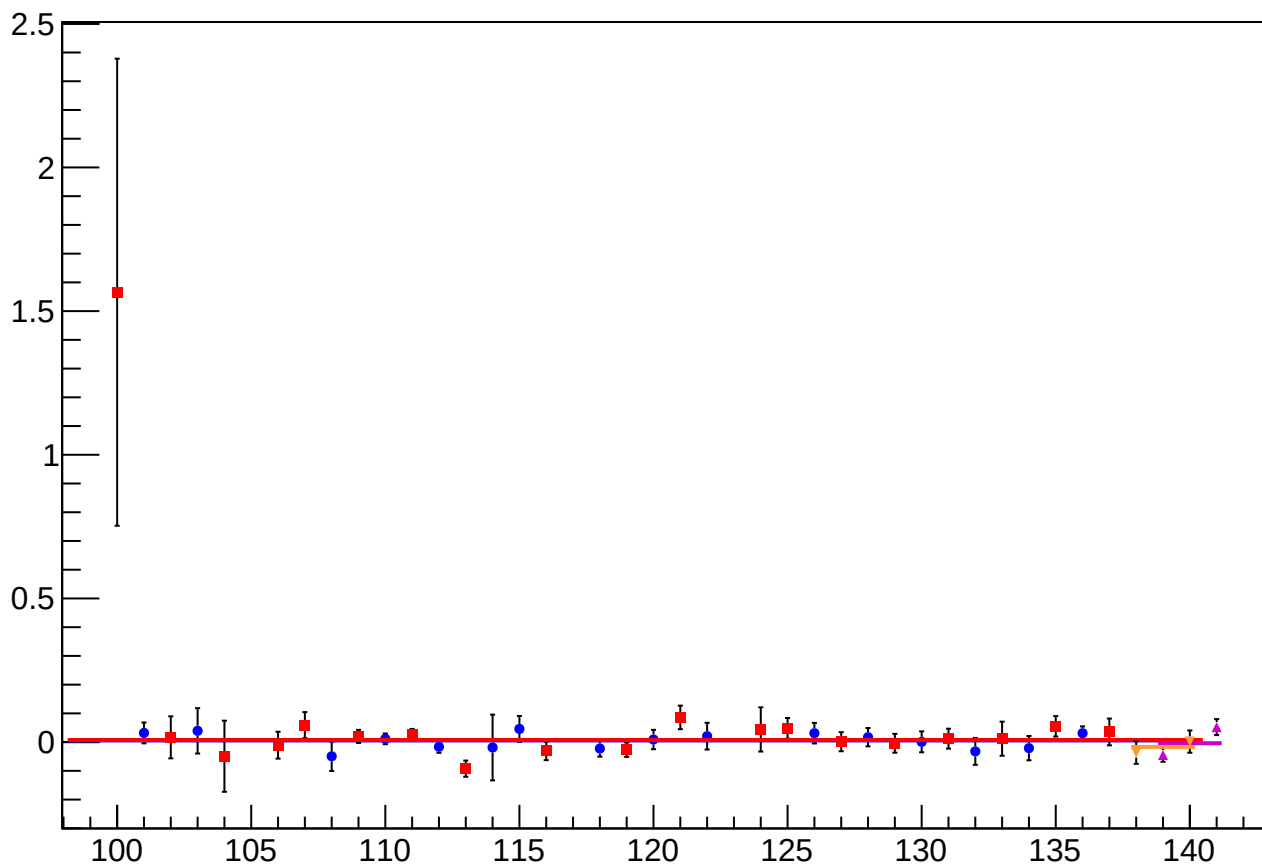
Left In: 23.167 $\pm$ 0.013 χ^2 /NDF: 31753.1/1

+ sign 21.082 $\pm$ 0.006 χ^2 /NDF: 2078968.1/17

All: 20.773 $\pm$ 0.004 χ^2 /NDF: 3885790.5/38

- sign 20.497 $\pm$ 0.005 χ^2 /NDF: 1800916.5/20

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 7.9/15

Left Out: -0.017 ± 0.028 χ^2/NDF : 0.5/1

Right Out: 0.007 ± 0.008 χ^2/NDF : 29.8/18

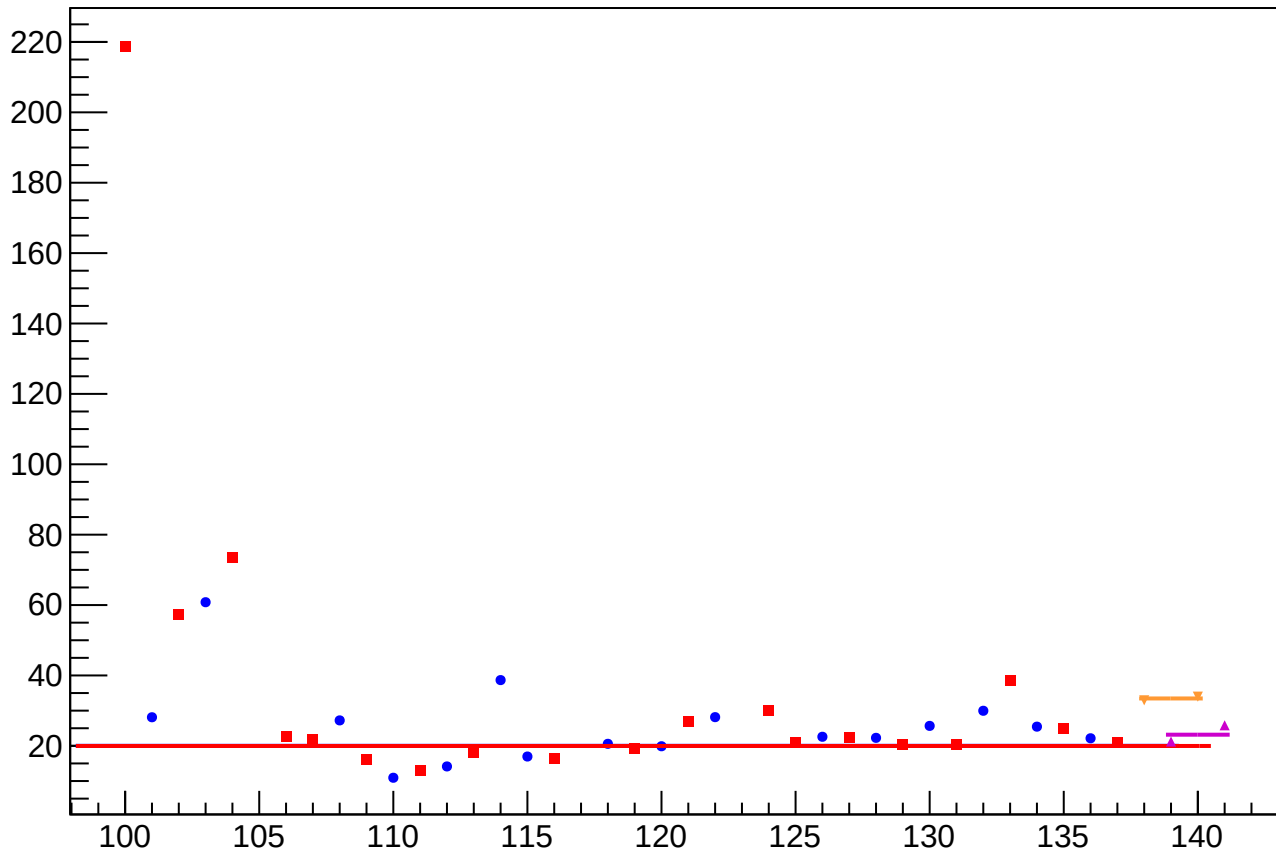
Left In: -0.004 ± 0.018 χ^2/NDF : 7.0/1

+ sign 0.004 ± 0.008 χ^2/NDF : 9.0/17

All: 0.005 ± 0.005 χ^2/NDF : 46.1/38

- sign 0.005 ± 0.007 χ^2/NDF : 37.1/20

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 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

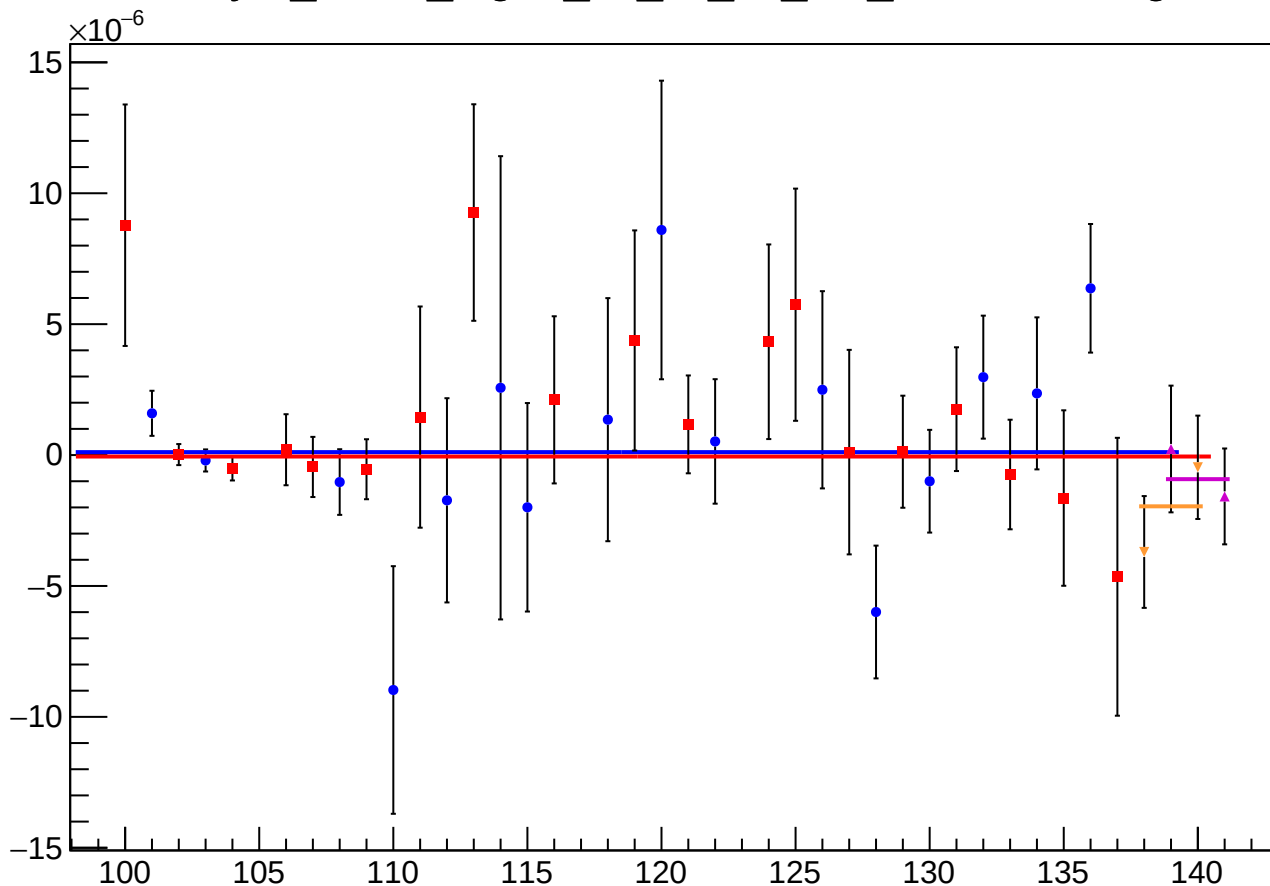
Left In: 23.167 $\pm$ 0.013 χ^2 /NDF: 31753.1/1

+ sign 21.082 $\pm$ 0.006 χ^2 /NDF: 2078968.1/17

All: 20.773 $\pm$ 0.004 χ^2 /NDF: 3885790.5/38

- sign 20.497 $\pm$ 0.005 χ^2 /NDF: 1800916.5/20

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.2/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/18

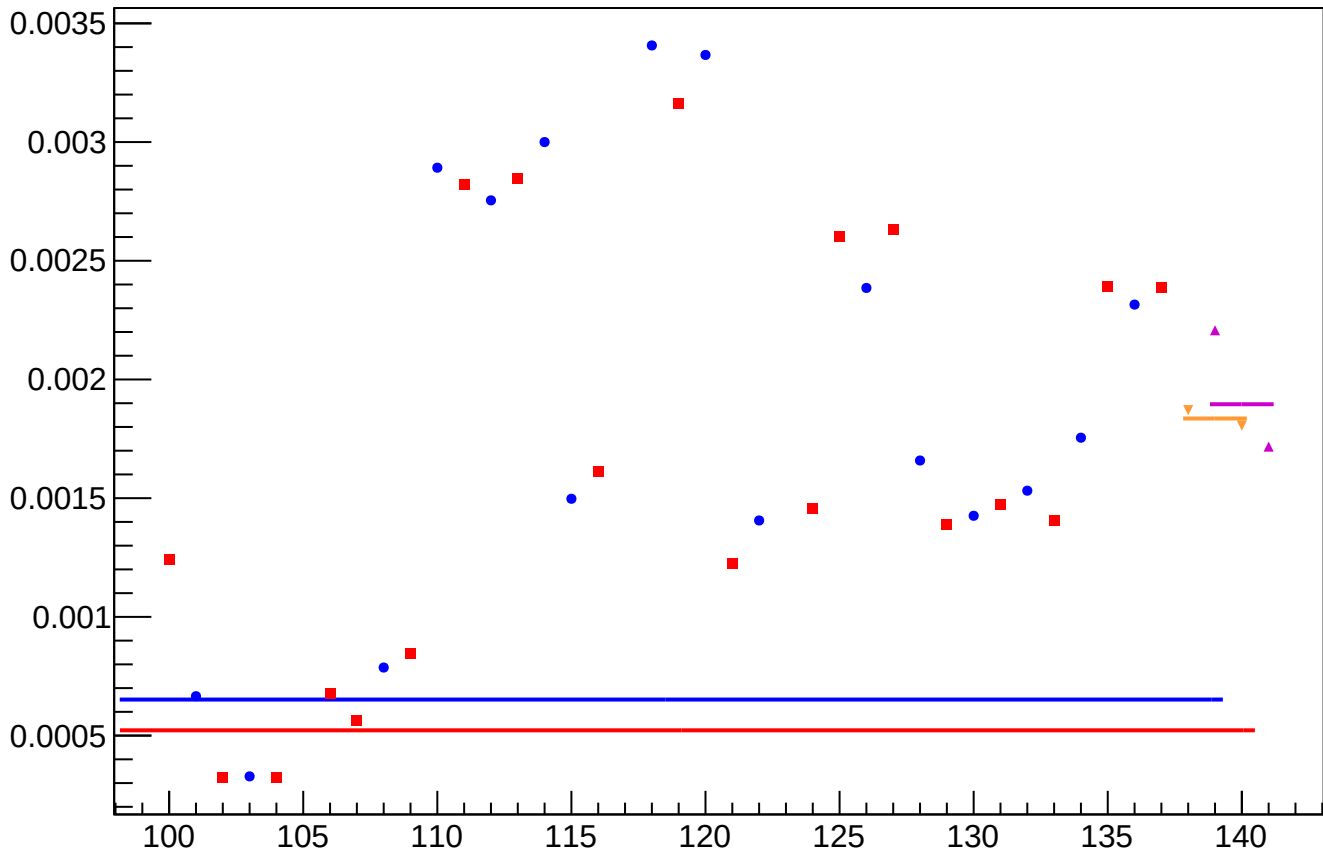
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 47.1/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/20

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF :1005.5/1

Right Out: 0.001+/-0.000 χ^2/NDF : 6676790.5/18

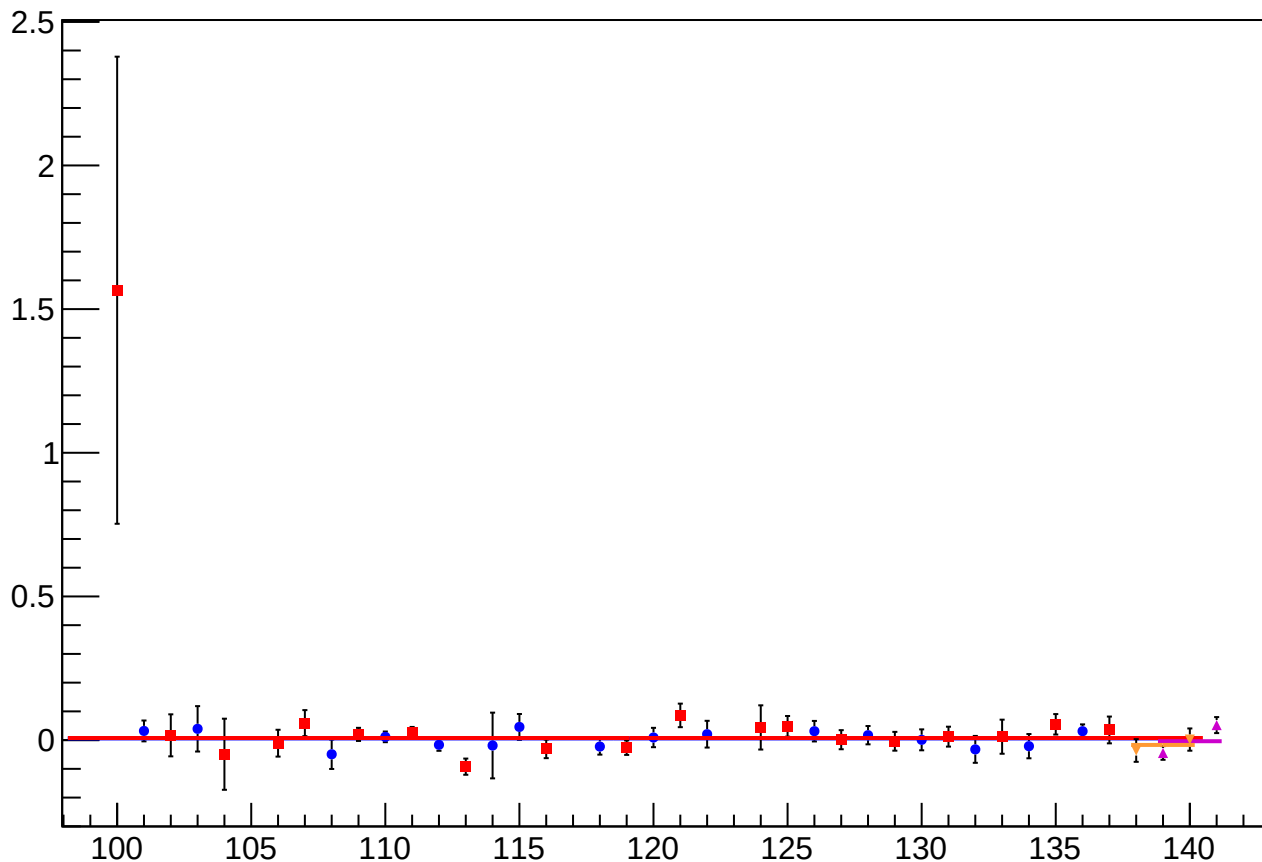
Left In: 0.002+/-0.000 χ^2/NDF :52177.3/1

+ sign 0.001+/-0.000 χ^2/NDF : 7625506.4/17

All: 0.001+/-0.000 χ^2/NDF : 16321177.3/38

- sign 0.001+/-0.000 χ^2/NDF : 8444218.4/20

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 7.9/15

Left Out: -0.017 ± 0.028 χ^2/NDF : 0.5/1

Right Out: 0.007 ± 0.008 χ^2/NDF : 29.8/18

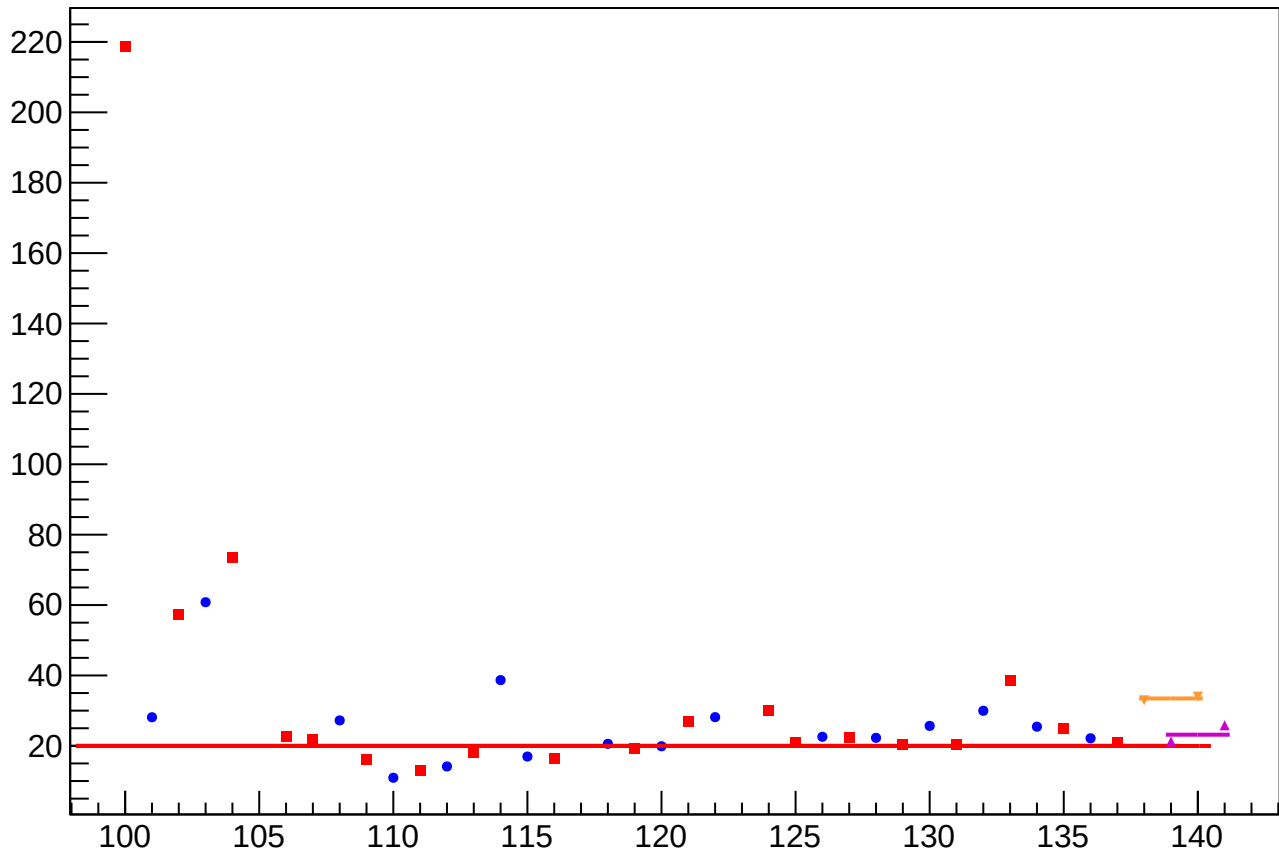
Left In: -0.004 ± 0.018 χ^2/NDF : 7.0/1

+ sign 0.004 ± 0.008 χ^2/NDF : 9.0/17

All: 0.005 ± 0.005 χ^2/NDF : 46.1/38

- sign 0.005 ± 0.007 χ^2/NDF : 37.1/20

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 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

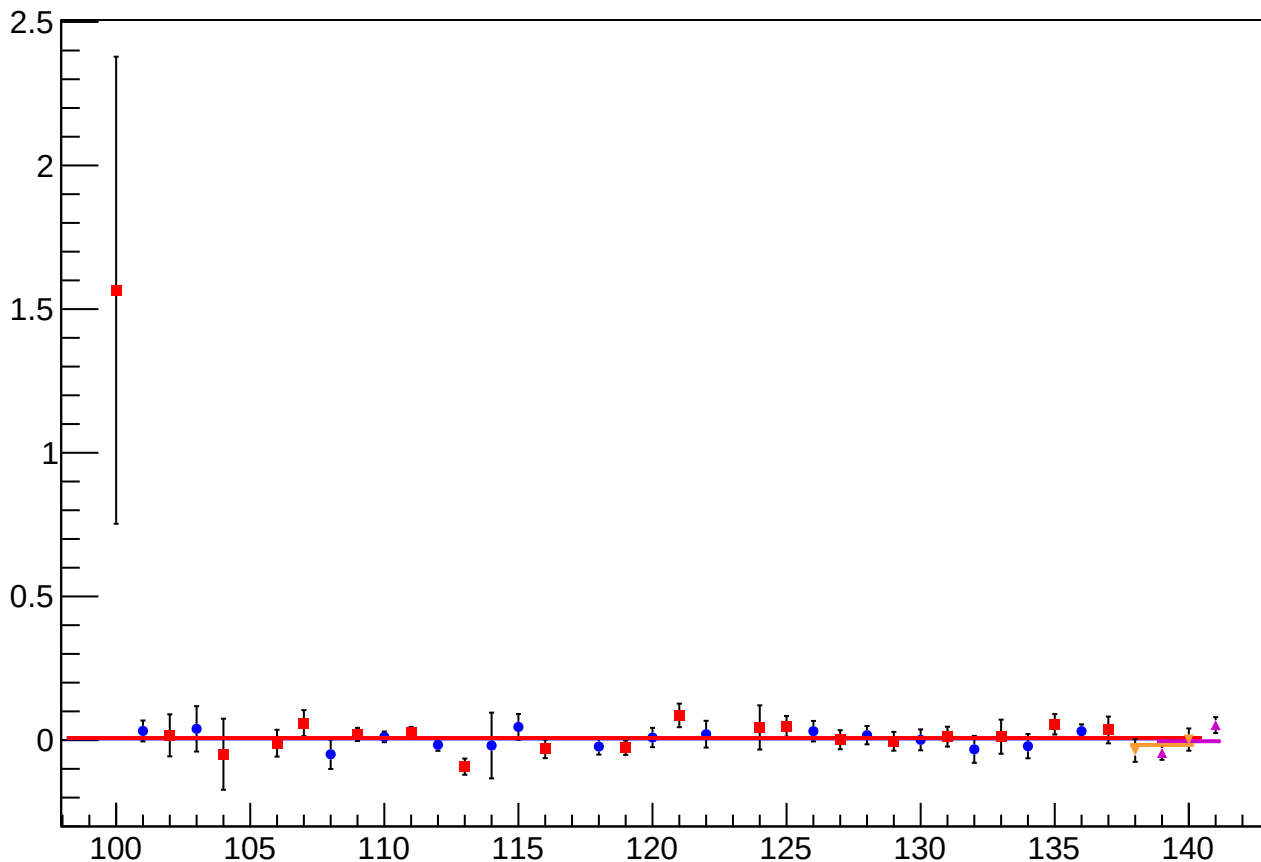
Left In: 23.167 $\pm$ 0.013 χ^2 /NDF: 31755.7/1

+ sign 21.083 $\pm$ 0.006 χ^2 /NDF: 2078761.6/17

All: 20.773 $\pm$ 0.004 χ^2 /NDF: 3885523.7/38

- sign 20.497 $\pm$ 0.005 χ^2 /NDF: 1800849.0/20

asym_sam7_eigen_dit_vs_eigen_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

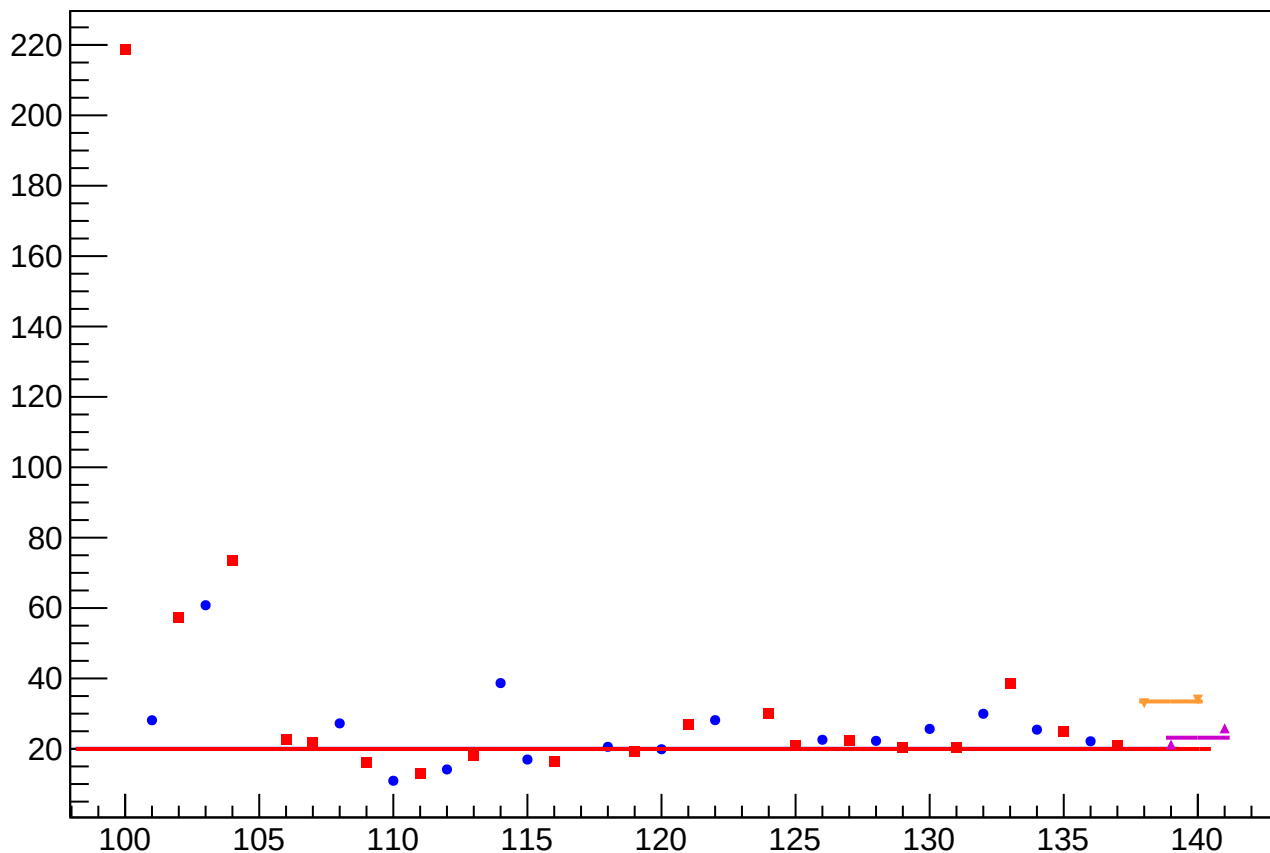
Left In: -0.004 ± 0.018 χ^2/NDF : 7.0/1

+ sign 0.004 ± 0.008 χ^2/NDF : 9.0/17

All: 0.005 ± 0.005 χ^2/NDF : 46.1/38

- sign 0.005 ± 0.007 χ^2/NDF : 37.1/20

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 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

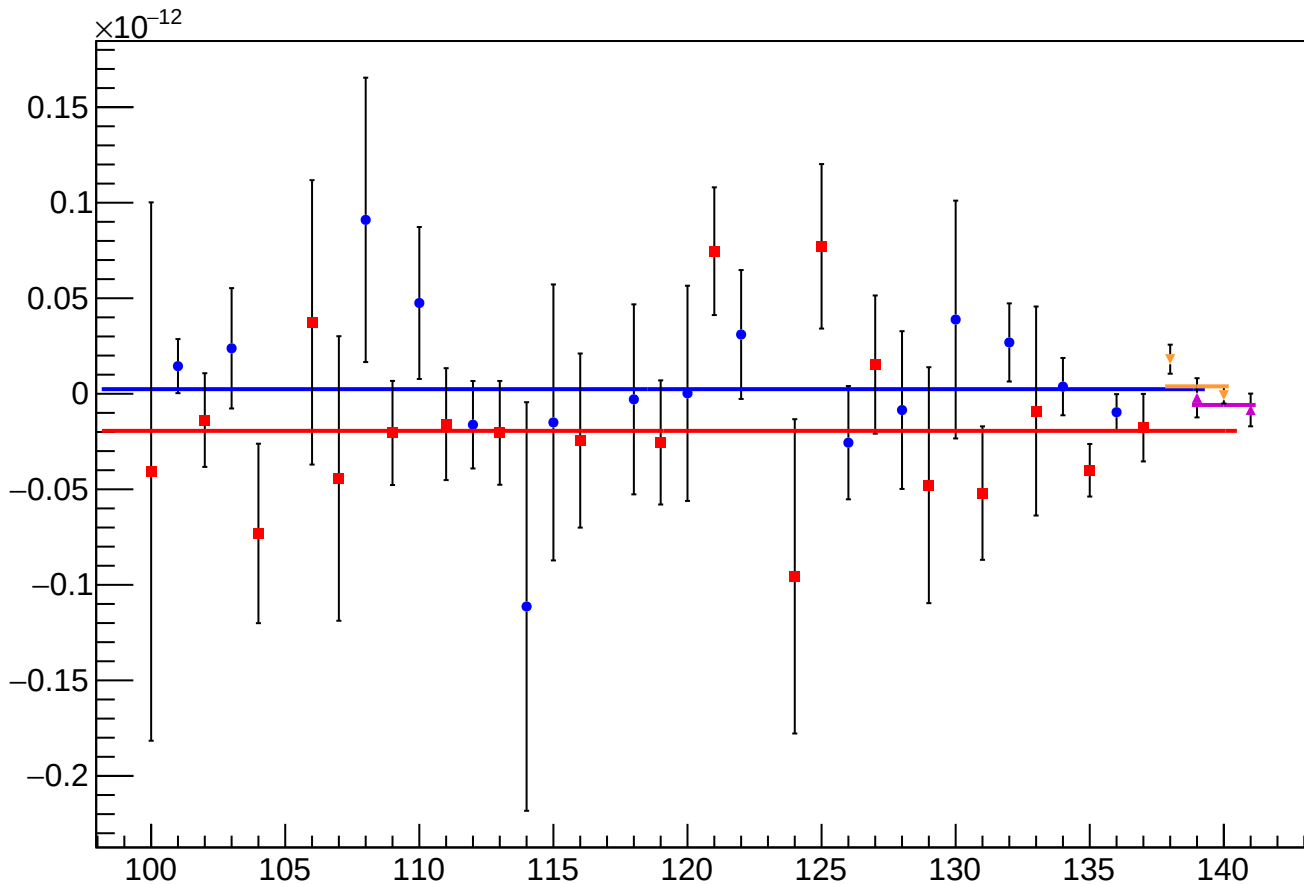
Left In: 23.167 $\pm$ 0.013 χ^2 /NDF: 31755.7/1

+ sign 21.083 $\pm$ 0.006 χ^2 /NDF: 2078761.6/17

All: 20.773 $\pm$ 0.004 χ^2 /NDF: 3885523.7/38

- sign 20.497 $\pm$ 0.005 χ^2 /NDF: 1800849.0/20

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 4.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.2/18

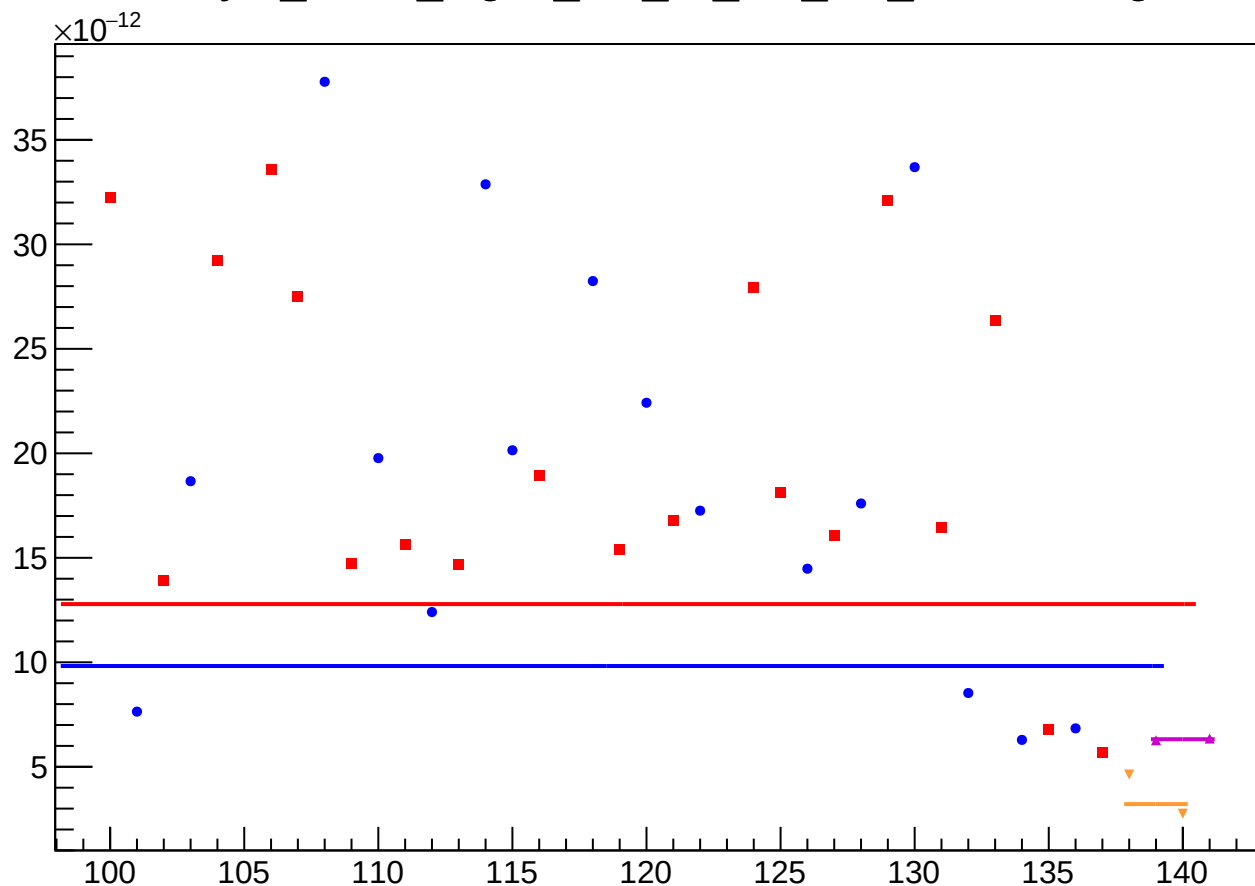
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign 0.000 ± 0.000 χ^2/NDF : 15.5/17

All: -0.000 ± 0.000 χ^2/NDF : 45.3/38

- sign -0.000 ± 0.000 χ^2/NDF : 22.4/20

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

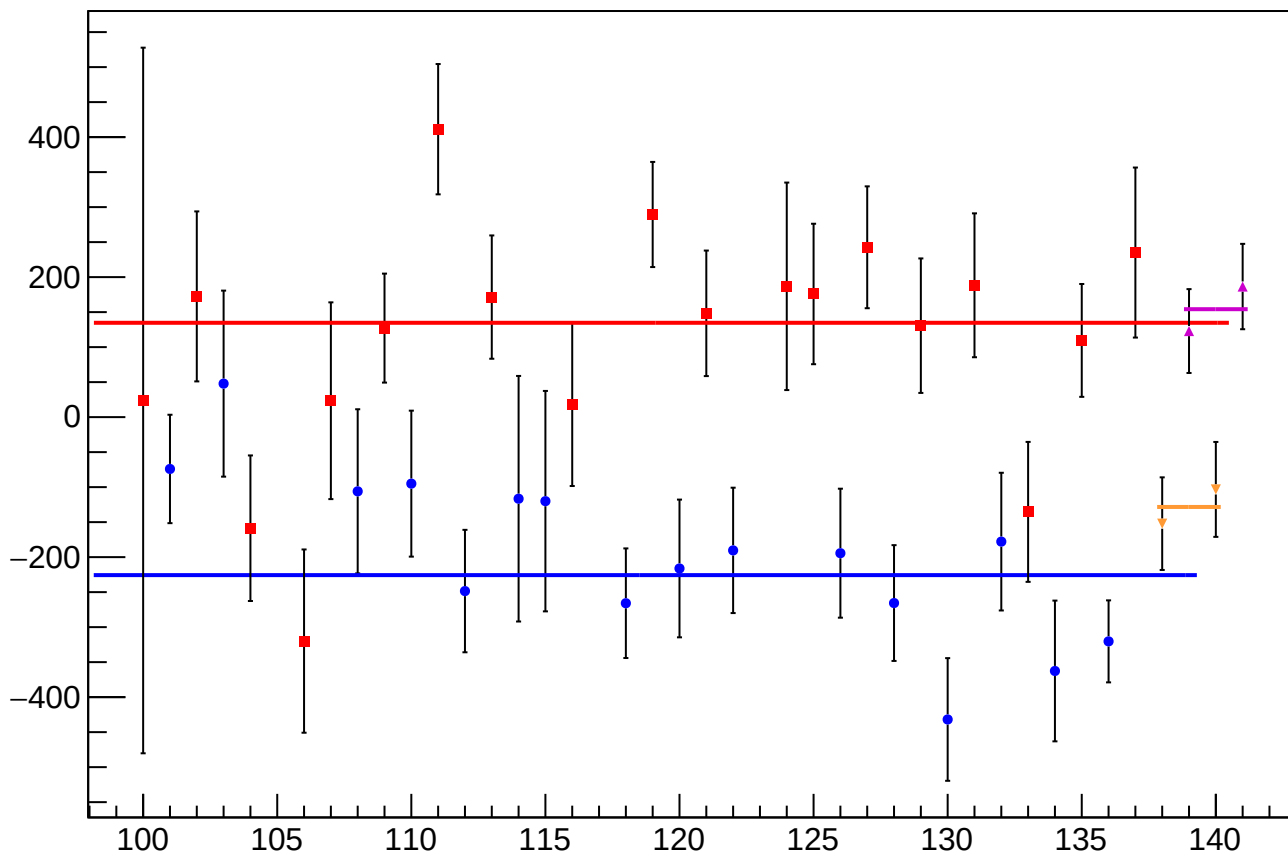
Left In: 0.000+/-0.000 χ^2/NDF : 78.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 3931519.9/17

All: 0.000+/-0.000 χ^2/NDF : 7647674.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2697752.4/20

reg_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -128.323 ± 47.350 χ^2/NDF : 0.3/1

Right Out: 134.762 ± 23.192 χ^2/NDF : 45.3/18

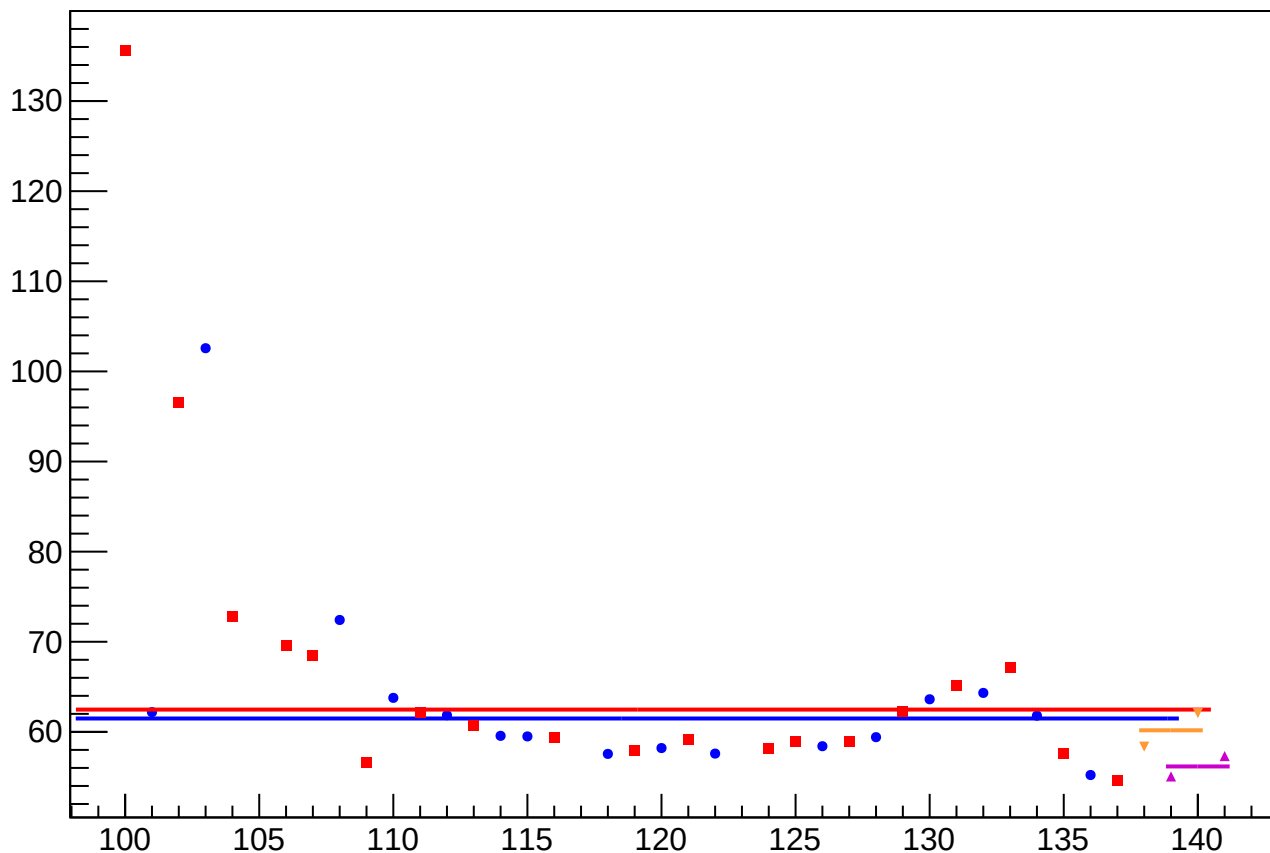
Left In: 154.183 ± 42.727 χ^2/NDF : 0.6/1

+ sign -206.949 ± 20.775 χ^2/NDF : 26.3/17

All: -30.588 ± 14.549 χ^2/NDF : 213.7/38

- sign 139.182 ± 20.383 χ^2/NDF : 46.0/20

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

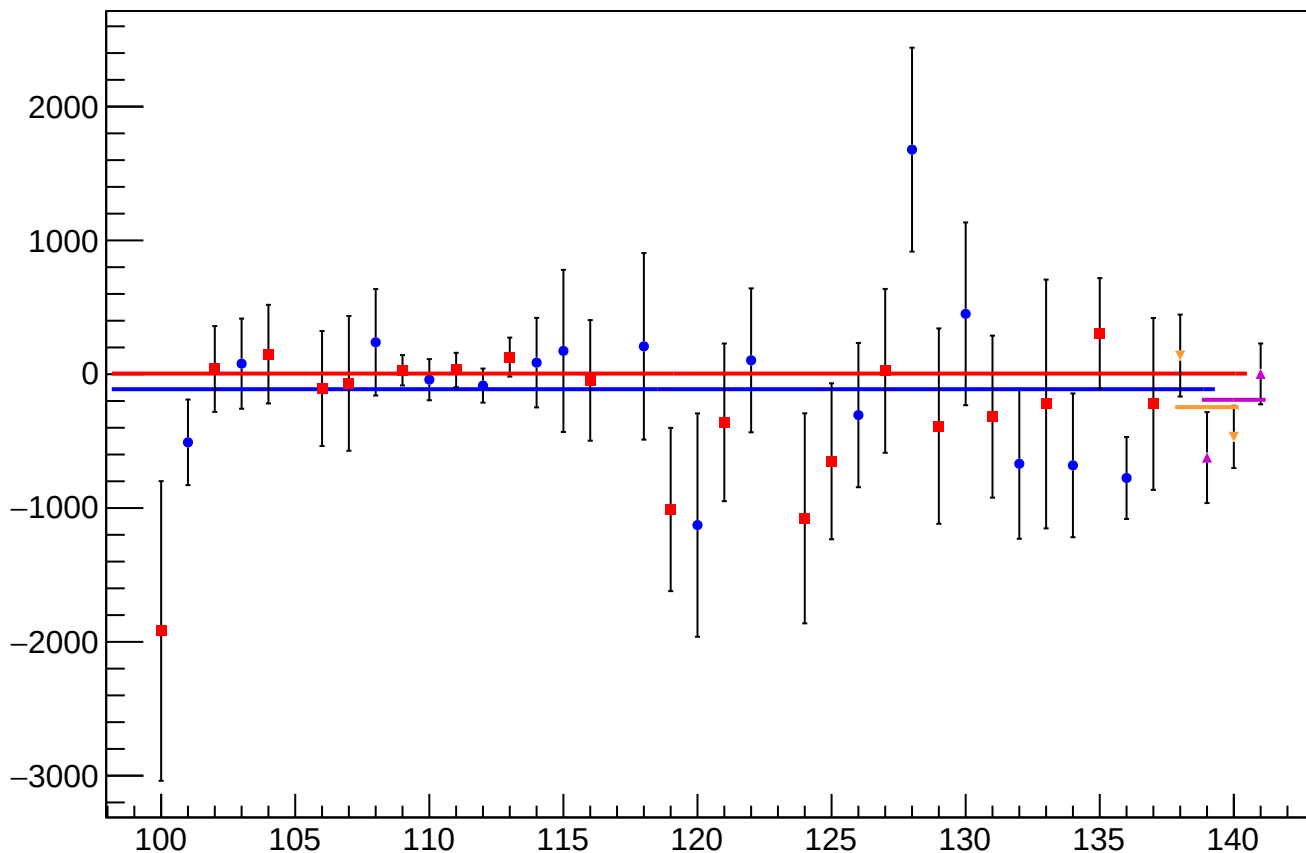
Left In: 56.165 $\pm$ 0.030 χ^2 /NDF: 1398.1/1

+ sign 61.234 $\pm$ 0.015 χ^2 /NDF: 254995.2/17

All: 61.135 $\pm$ 0.010 χ^2 /NDF: 571330.8/38

- sign 61.040 $\pm$ 0.014 χ^2 /NDF: 316246.7/20

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

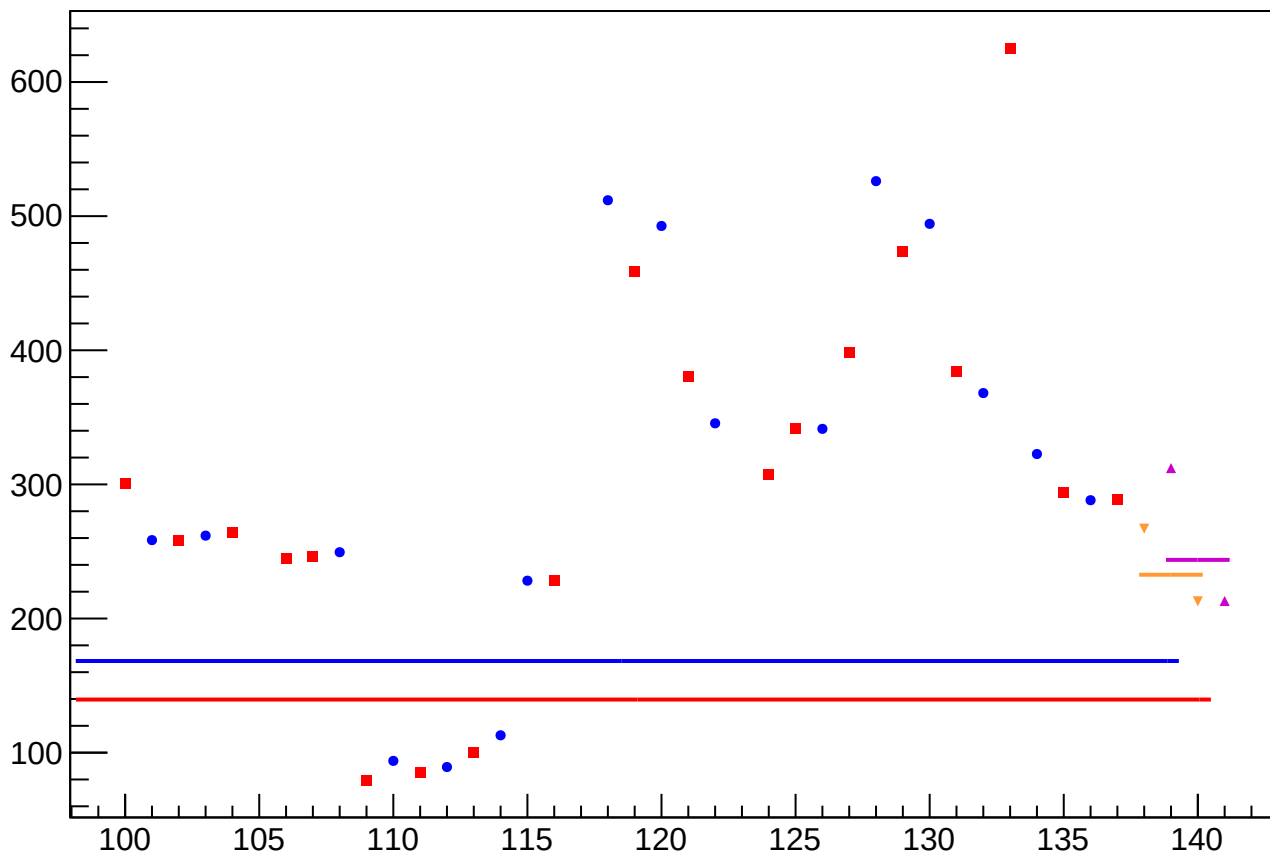
Left In: -190.958 ± 188.997 χ^2/NDF : 2.3/1

+ sign -131.225 ± 70.483 χ^2/NDF : 21.4/17

All: -64.488 ± 45.934 χ^2/NDF : 37.9/38

- sign -15.217 ± 60.561 χ^2/NDF : 14.9/20

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544046.8/15

Left Out: 232.648+/-0.131 χ^2/NDF : 39649.1/1

Right Out: 139.594+/-0.045 χ^2/NDF : 5154153.5/18

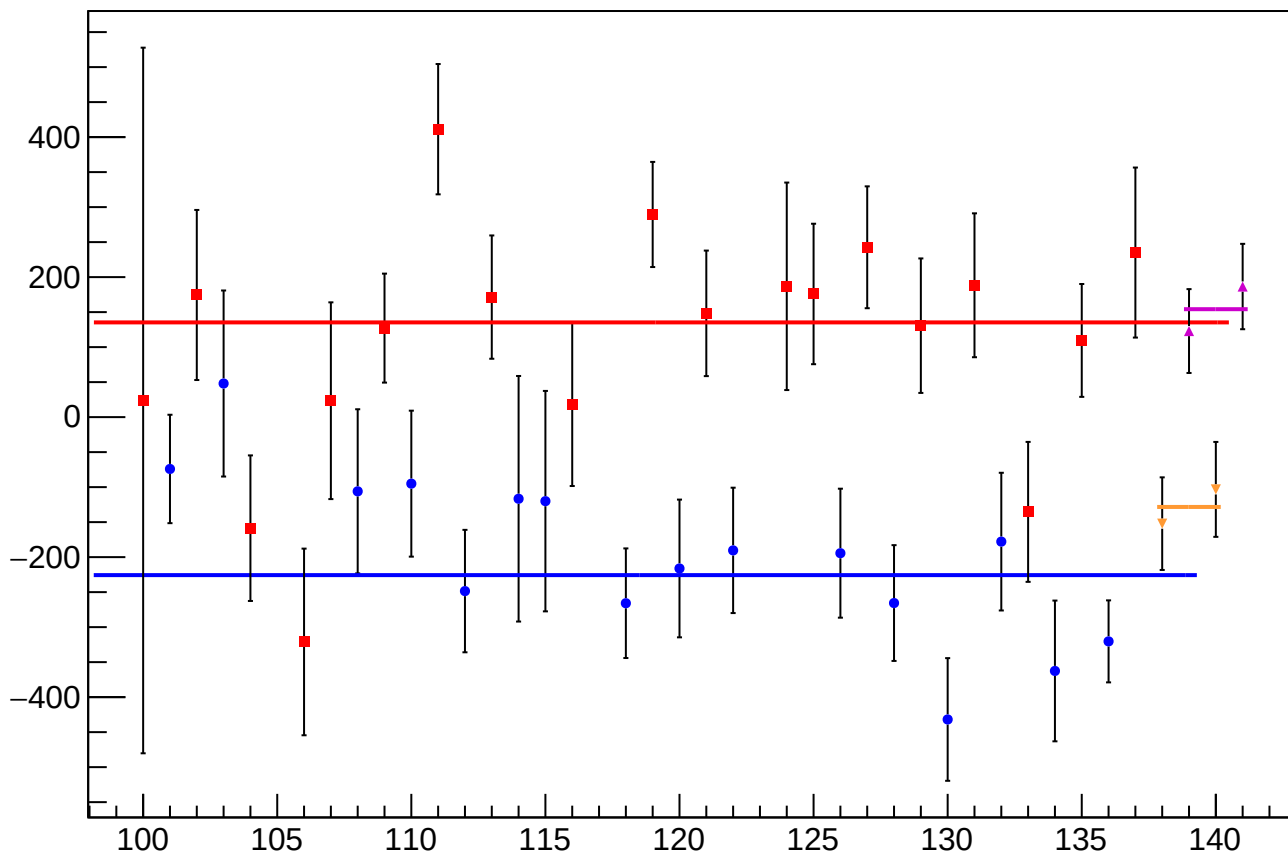
Left In: 243.728+/-0.134 χ^2/NDF : 117467.4/1

+ sign 177.636+/-0.050 χ^2/NDF : 4789809.6/17

All: 161.902+/-0.032 χ^2/NDF : 10779502.8/39

- sign 150.286+/-0.043 χ^2/NDF : 5816449.5/20

cor_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -128.312 ± 47.350 χ^2/NDF : 0.3/1

Right Out: 135.311 ± 23.205 χ^2/NDF : 44.9/18

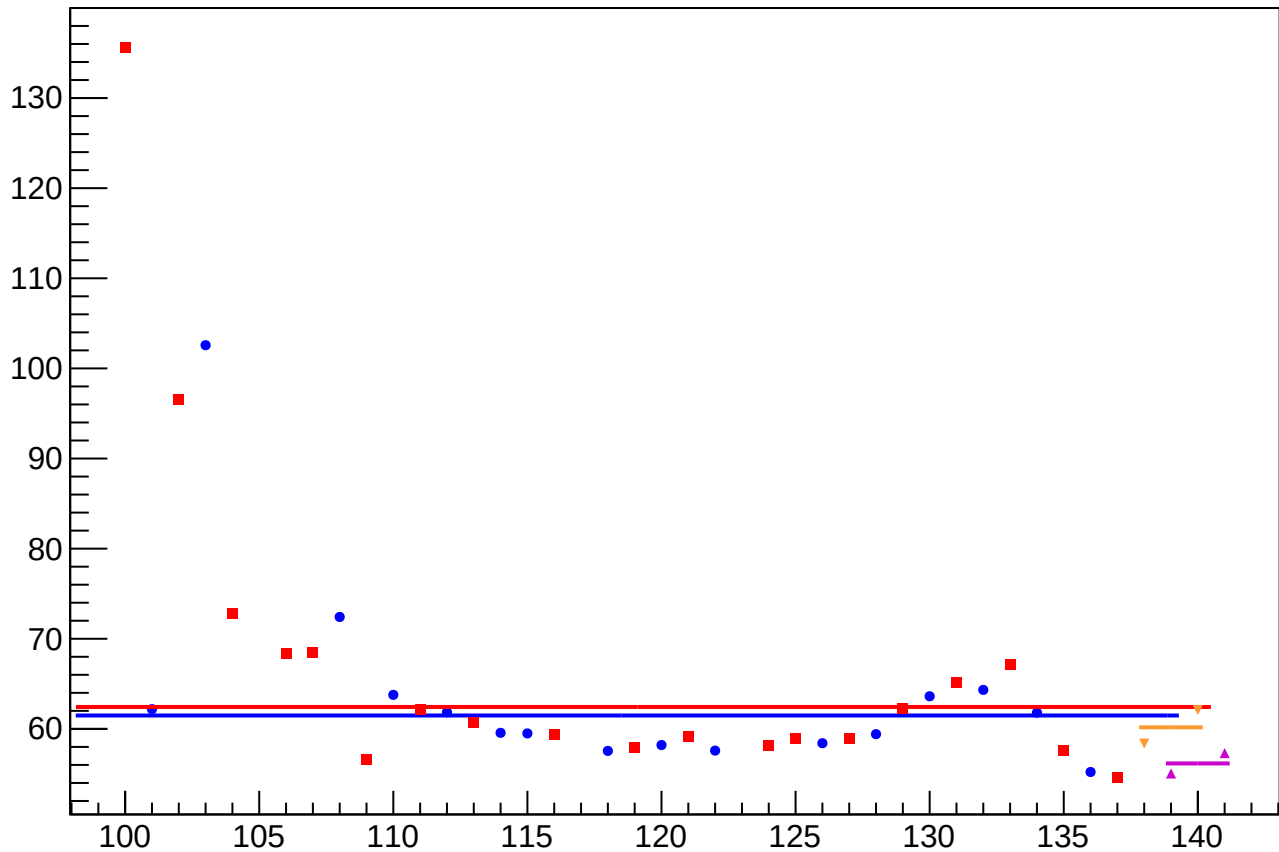
Left In: 154.185 ± 42.727 χ^2/NDF : 0.6/1

+ sign -206.947 ± 20.775 χ^2/NDF : 26.3/17

All: -30.447 ± 14.553 χ^2/NDF : 213.6/38

- sign 139.610 ± 20.392 χ^2/NDF : 45.6/20

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

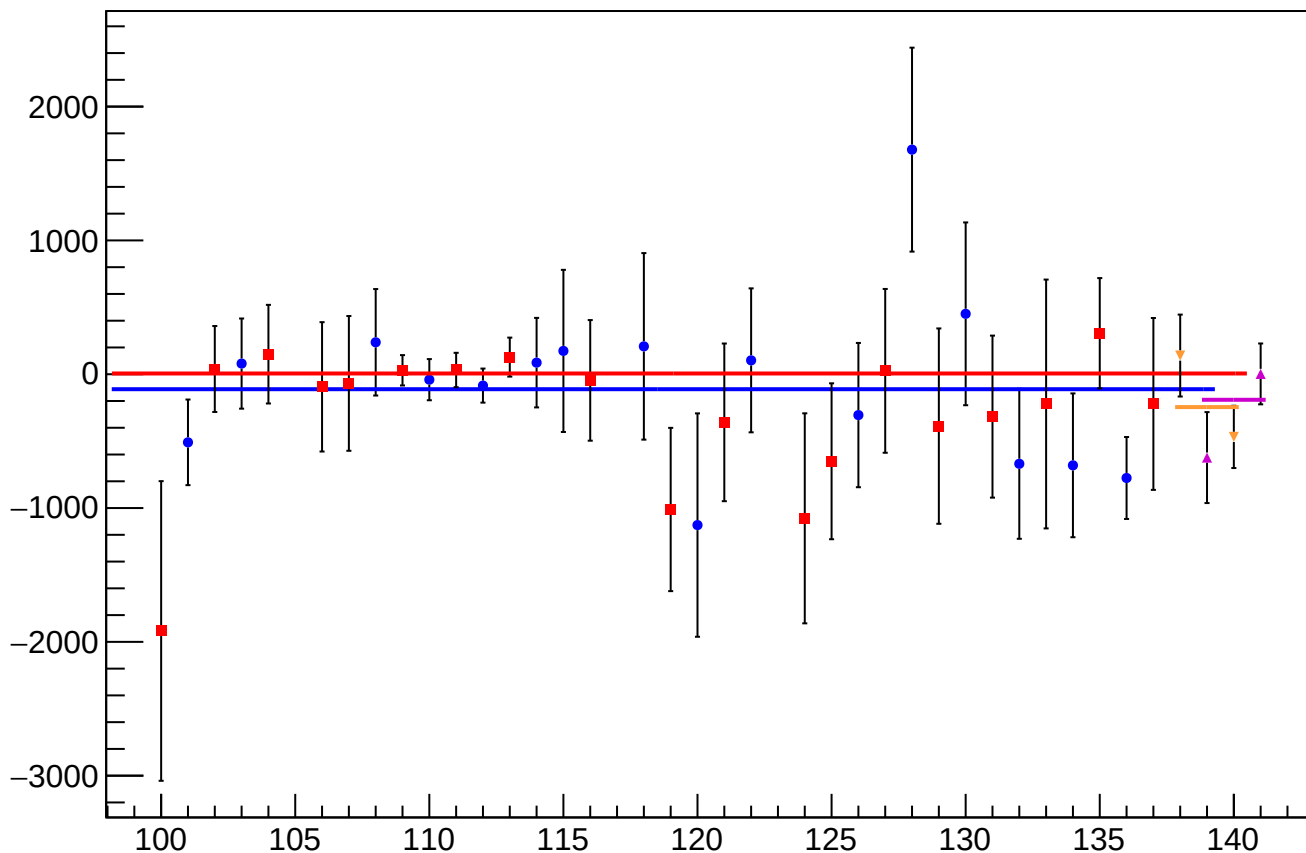
Left In: 56.165 $\pm$ 0.030 χ^2 /NDF: 1398.1/1

+ sign 61.234 $\pm$ 0.015 χ^2 /NDF: 254997.7/17

All: 61.117 $\pm$ 0.010 χ^2 /NDF: 569161.0/38

- sign 61.005 $\pm$ 0.014 χ^2 /NDF: 314039.9/20

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

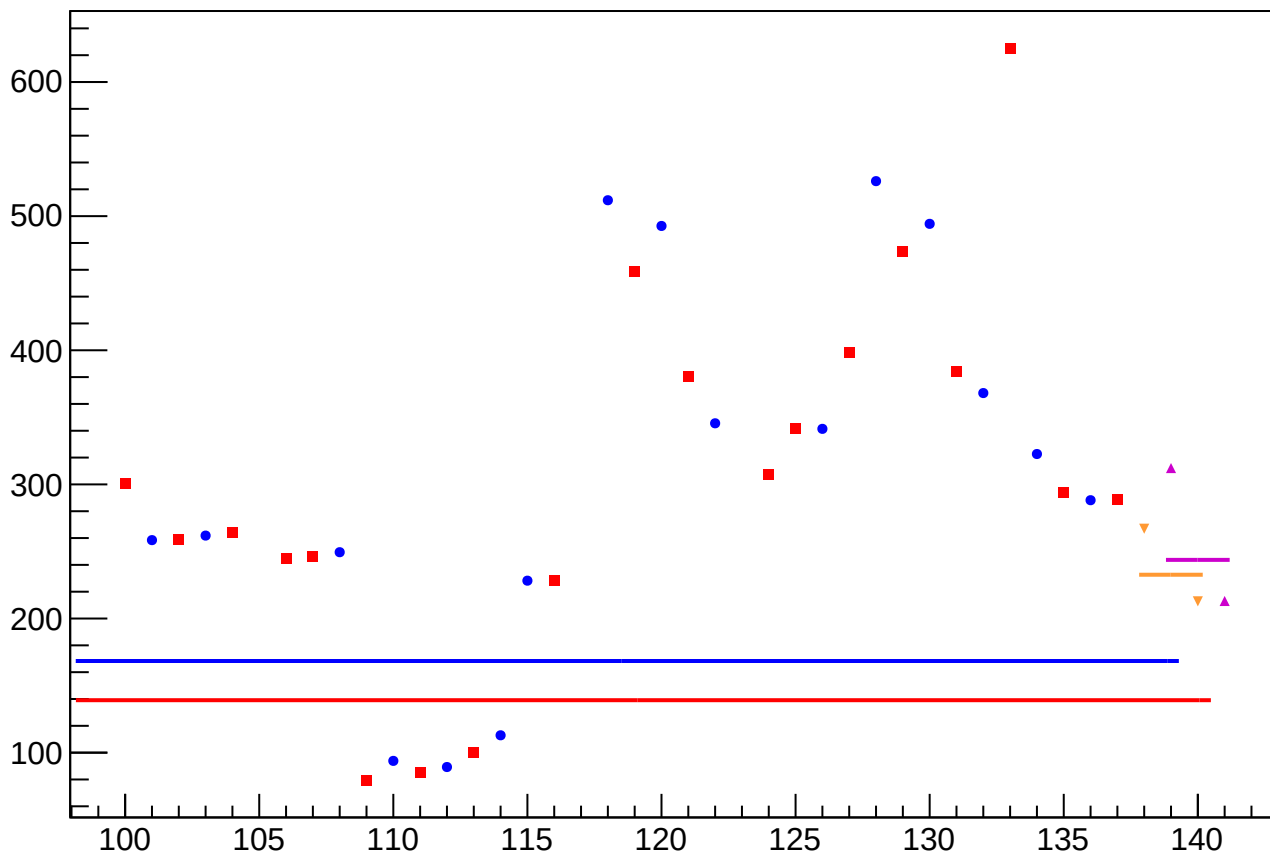
Left In: -190.950 ± 188.997 χ^2/NDF : 2.3/1

+ sign -131.209 ± 70.484 χ^2/NDF : 21.4/17

All: -64.278 ± 45.991 χ^2/NDF : 37.9/38

- sign -14.654 ± 60.691 χ^2/NDF : 14.9/20

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF : 39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

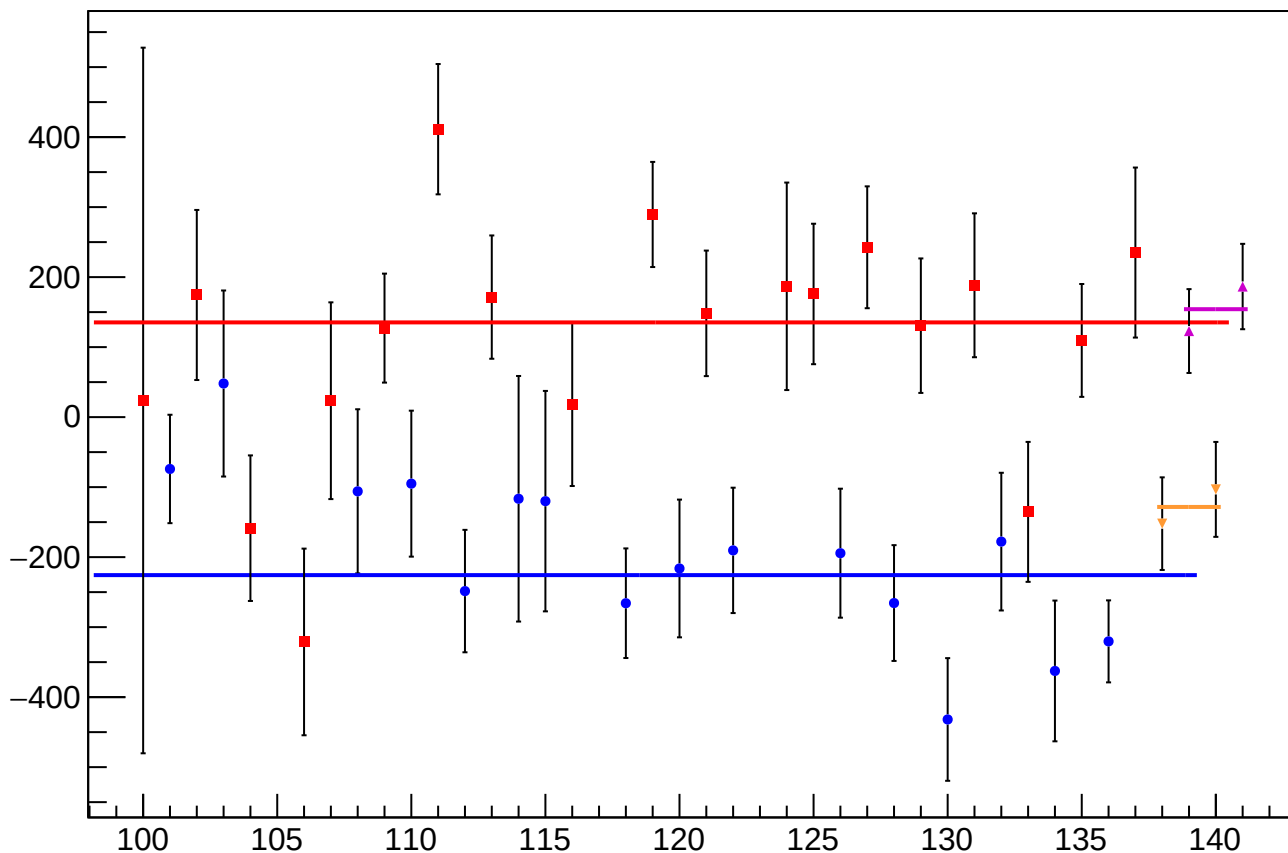
Left In: 243.728+/-0.134 χ^2/NDF : 117467.1/1

+ sign 177.636+/-0.050 χ^2/NDF : 4789857.6/17

All: 161.705+/-0.033 χ^2/NDF : 10764958.5/30

- sign 149.893+/-0.043 χ^2/NDF : 5797167.1/20

eigen_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

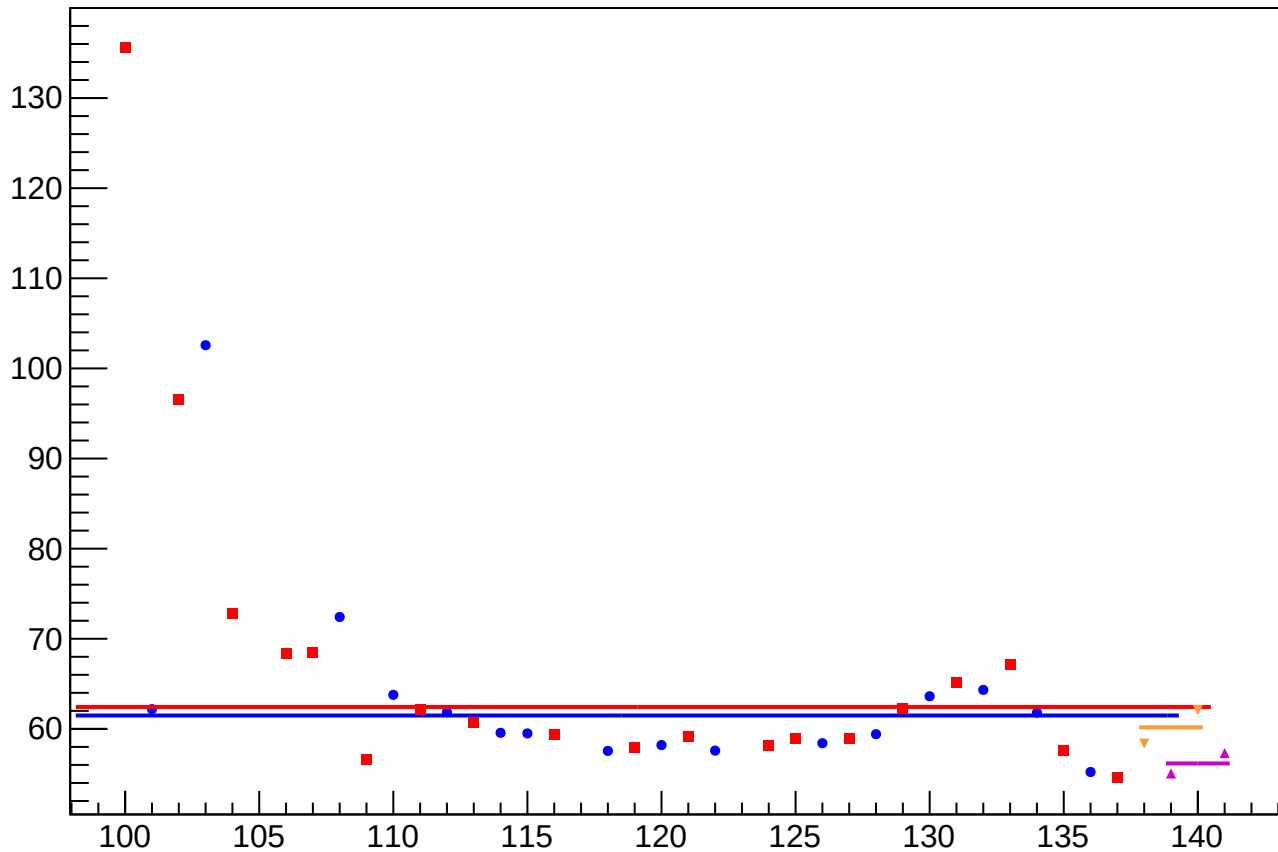
Left In: 154.185 ± 42.727 χ^2/NDF : 0.6/1

+ sign -206.947 ± 20.775 χ^2/NDF : 26.3/17

All: -30.447 ± 14.553 χ^2/NDF : 213.6/38

- sign 139.610 ± 20.392 χ^2/NDF : 45.6/20

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486 ± 0.016 $\chi^2/\text{NDF}: 250671.7/15$

Left Out: 60.176 ± 0.033 $\chi^2/\text{NDF}: 3089.7/1$

Right Out: 62.433 ± 0.016 $\chi^2/\text{NDF}: 279408.8/18$

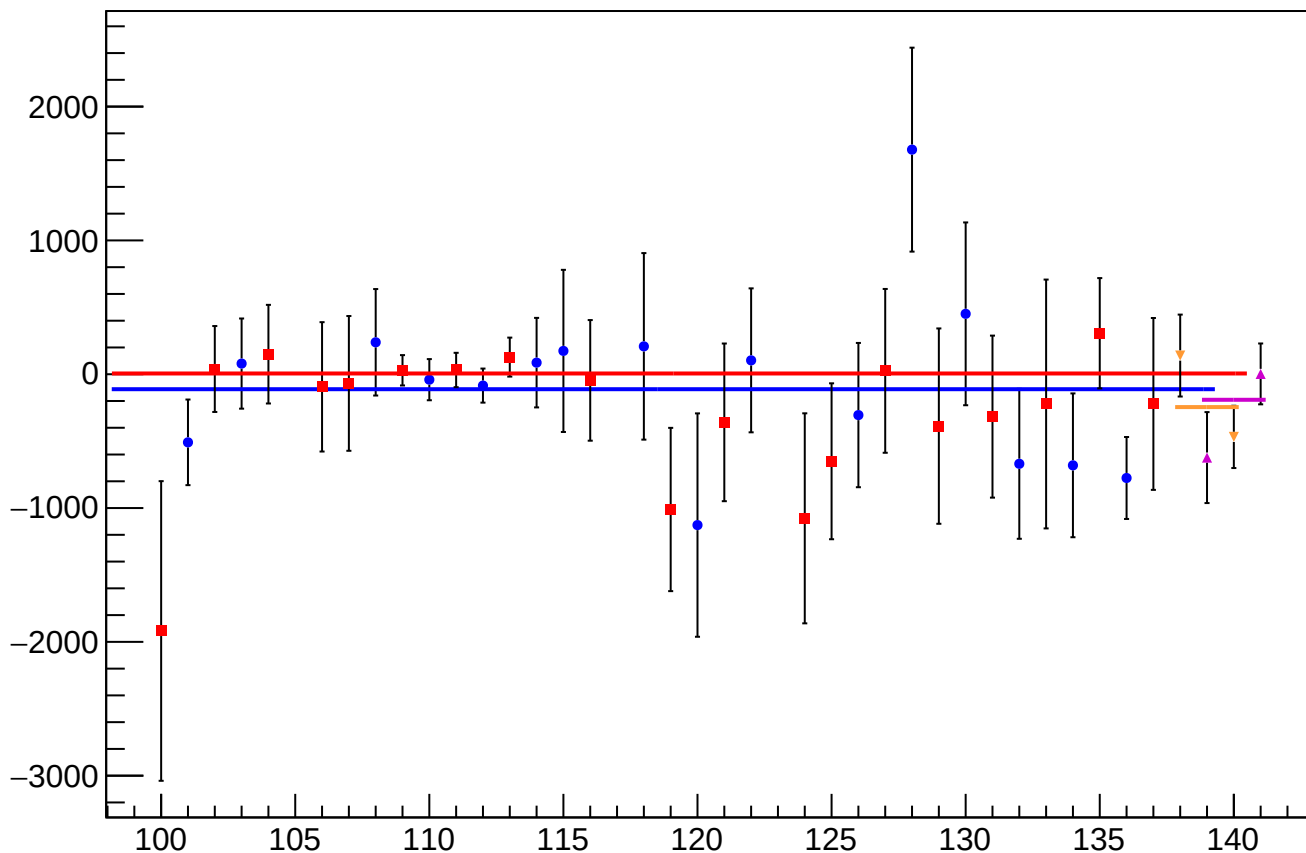
Left In: 56.165 ± 0.030 $\chi^2/\text{NDF}: 1398.1/1$

+ sign 61.234 ± 0.015 $\chi^2/\text{NDF}: 254997.7/17$

All: 61.117 ± 0.010 $\chi^2/\text{NDF}: 569161.0/38$

- sign 61.005 ± 0.014 $\chi^2/\text{NDF}: 314039.9/20$

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

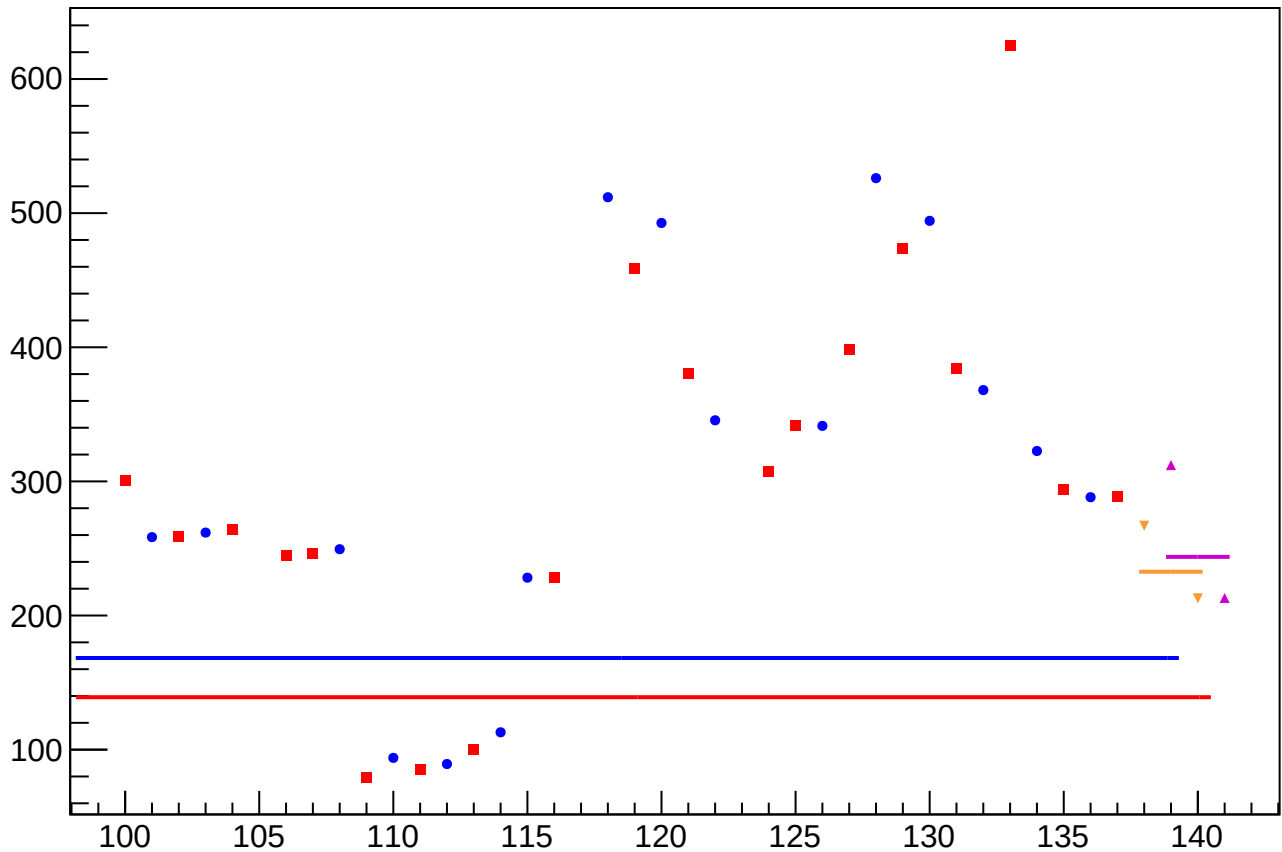
Left In: -190.950+/-188.997 χ^2/NDF : 2.3/1

+ sign -131.209+/-70.484 χ^2/NDF : 21.4/17

All: -64.278+/-45.991 χ^2/NDF : 37.9/38

- sign -14.654+/-60.691 χ^2/NDF : 14.9/20

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF : 39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

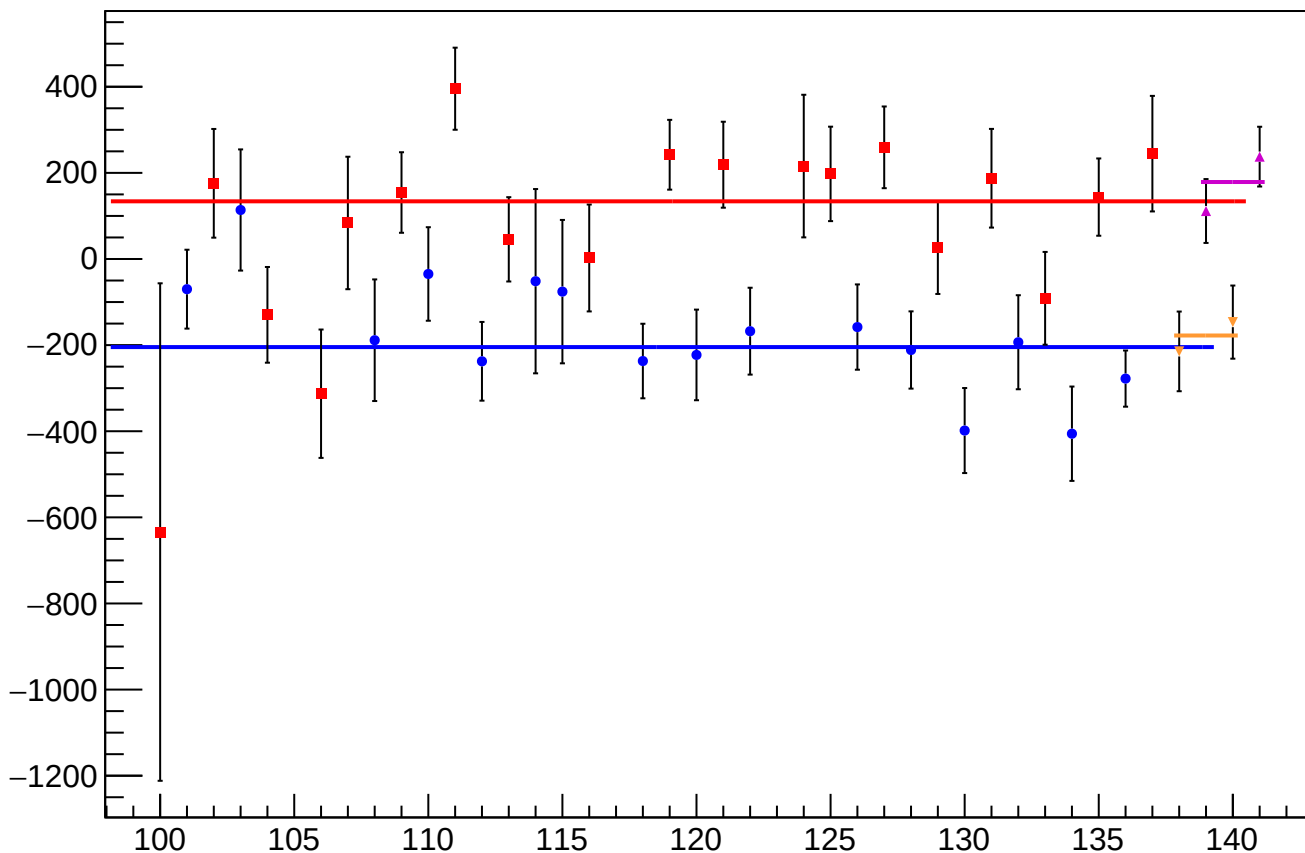
Left In: 243.728+/-0.134 χ^2/NDF : 117467.1/1

+ sign 177.636+/-0.050 χ^2/NDF : 4789857.6/17

All: 161.705+/-0.033 χ^2/NDF : 10764958.5/30

- sign 149.893+/-0.043 χ^2/NDF : 5797167.1/20

dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 $\chi^2/\text{NDF}: 20.0/15$

Left Out: -177.686 ± 62.567 $\chi^2/\text{NDF}: 0.3/1$

Right Out: 133.924 ± 25.484 $\chi^2/\text{NDF}: 37.2/18$

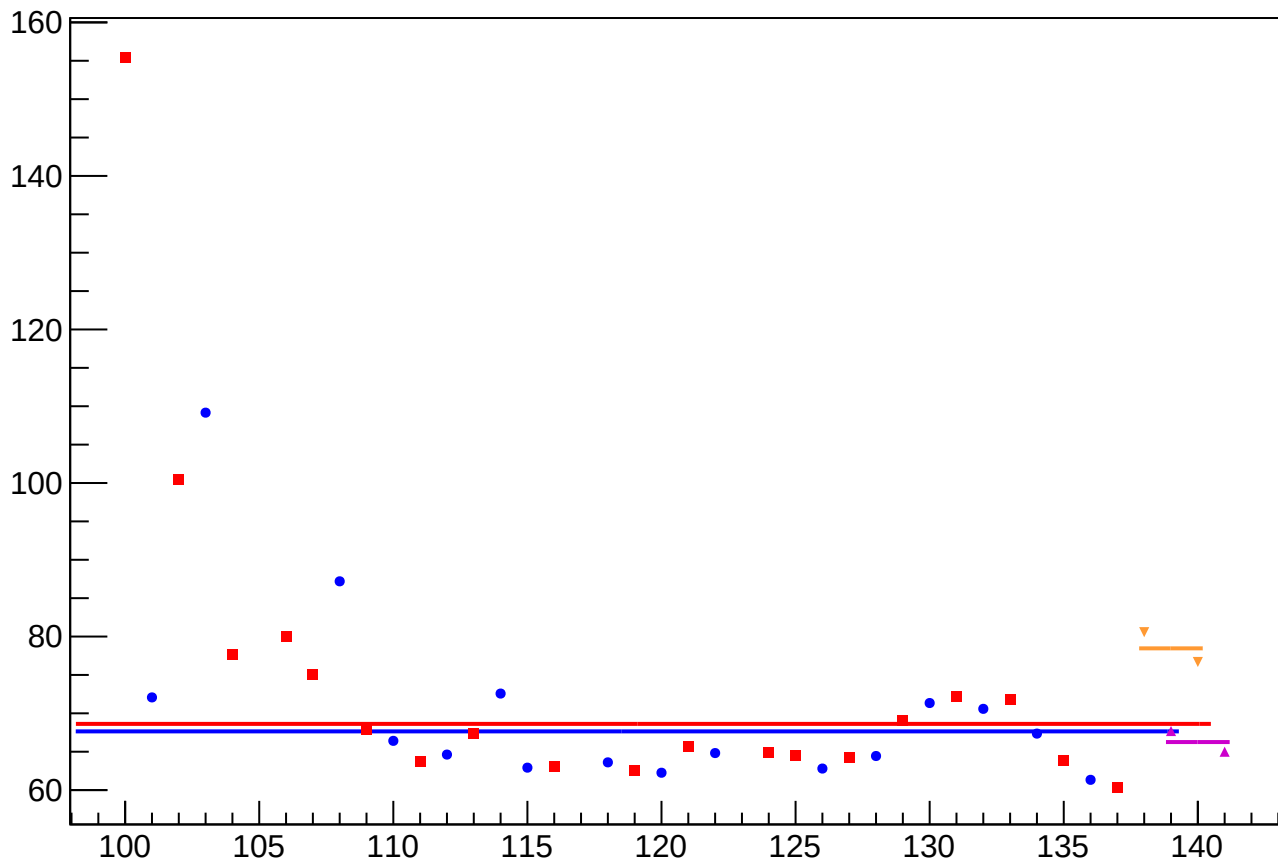
Left In: 178.771 ± 50.676 $\chi^2/\text{NDF}: 1.5/1$

+ sign -200.741 ± 23.633 $\chi^2/\text{NDF}: 20.4/17$

All: -22.471 ± 16.396 $\chi^2/\text{NDF}: 169.6/38$

- sign 142.976 ± 22.767 $\chi^2/\text{NDF}: 39.4/20$

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

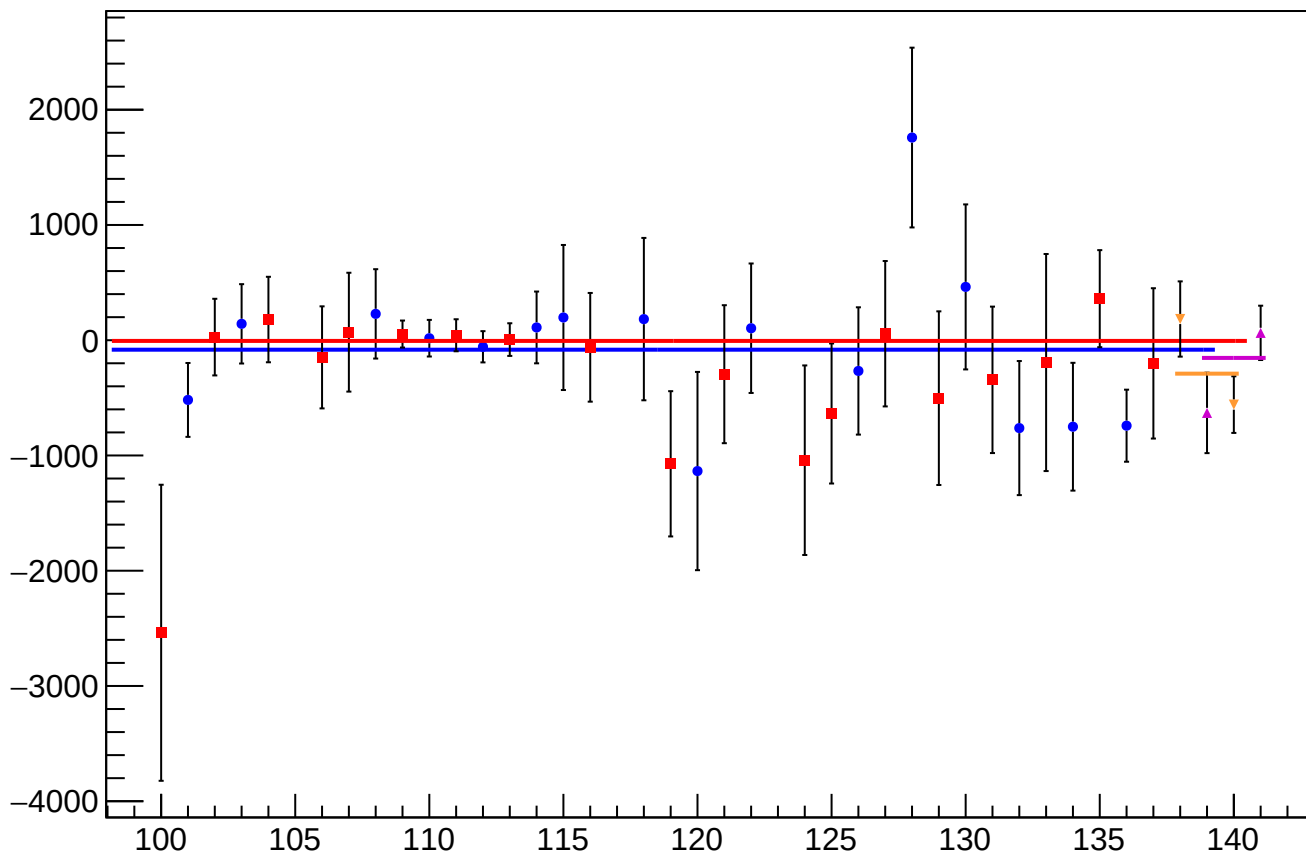
Left In: 66.258 $\pm$ 0.036 χ^2 /NDF:1408.6/1

+ sign 69.190 $\pm$ 0.017 χ^2 /NDF: 316812.0/17

All: 68.649 $\pm$ 0.012 χ^2 /NDF: 571890.2/38

- sign 68.146 $\pm$ 0.016 χ^2 /NDF: 253053.6/20

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228 ± 78.676 χ^2/NDF : 19.2/15

Left Out: -290.116 ± 196.346 χ^2/NDF : 3.3/1

Right Out: -6.063 ± 65.910 χ^2/NDF : 12.0/18

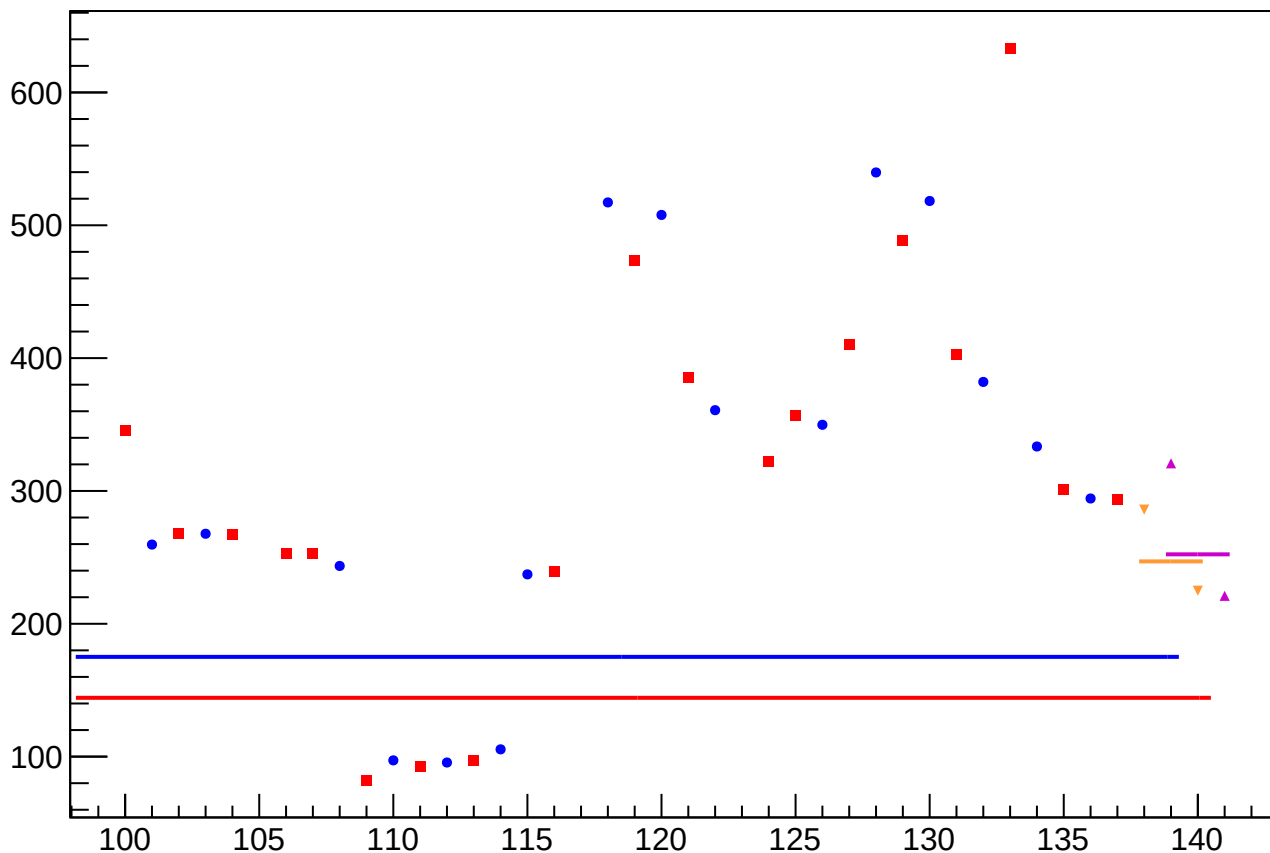
Left In: -153.535 ± 195.350 χ^2/NDF : 2.7/1

+ sign -110.989 ± 73.031 χ^2/NDF : 23.5/17

All: -59.088 ± 47.464 χ^2/NDF : 39.6/38

- sign -21.135 ± 62.451 χ^2/NDF : 15.3/20

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF : 4429076.5/15

Left Out: 246.968+/-0.139 χ^2/NDF : 44643.7/1

Right Out: 144.276+/-0.047 χ^2/NDF : 5132432.2/18

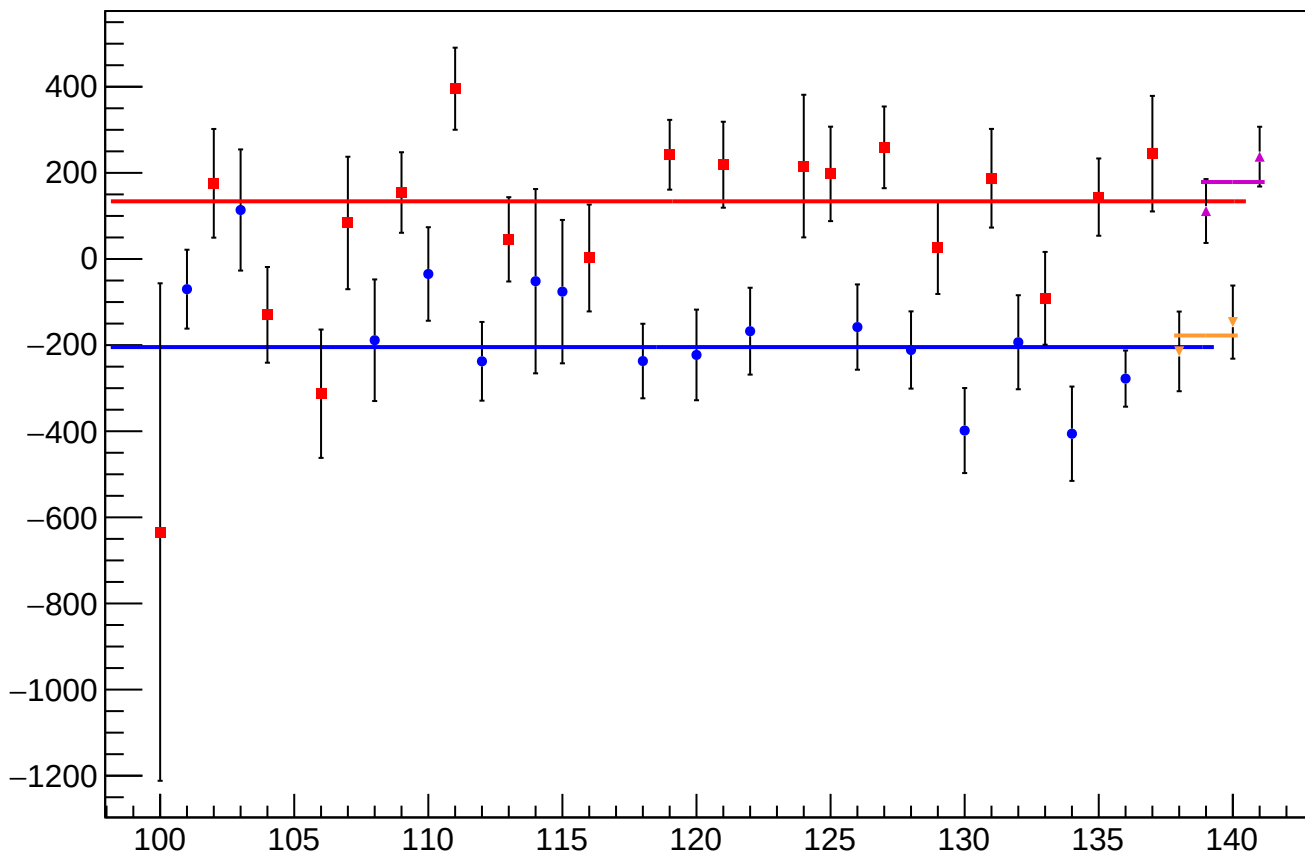
Left In: 252.278+/-0.138 χ^2/NDF : 112165.2/1

+ sign 185.042+/-0.052 χ^2/NDF : 4704608.3/17

All: 167.871+/-0.034 χ^2/NDF : 10689464.4/38

- sign 155.314+/-0.044 χ^2/NDF : 5793434.4/20

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

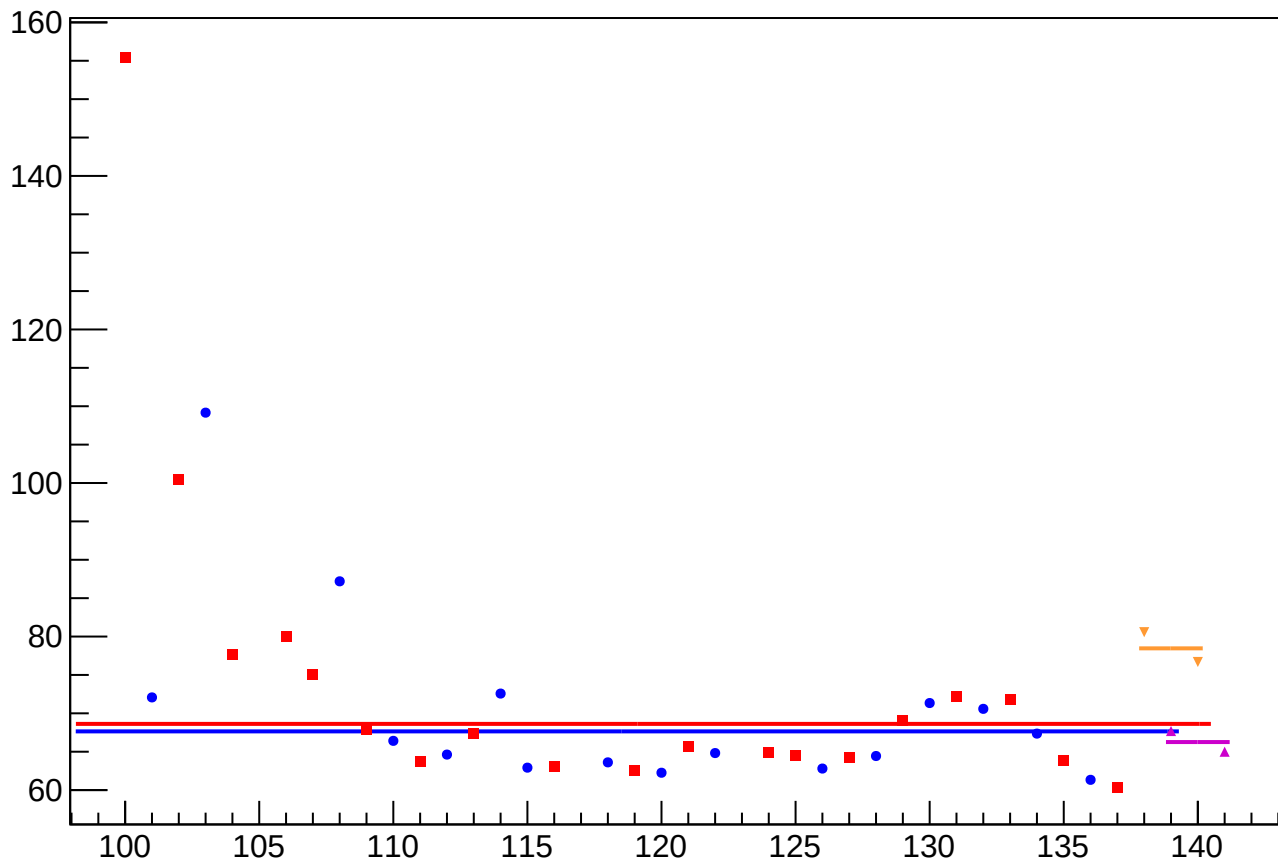
Left In: 178.770 ± 50.676 χ^2/NDF : 1.5/1

+ sign -200.740 ± 23.633 χ^2/NDF : 20.4/17

All: -22.470 ± 16.396 χ^2/NDF : 169.6/38

- sign 142.977 ± 22.767 χ^2/NDF : 39.4/20

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647 ± 0.018 χ^2/NDF : 263668.9/15

Left Out: 78.462 ± 0.044 χ^2/NDF : 1910.3/1

Right Out: 68.624 ± 0.018 χ^2/NDF : 248166.1/18

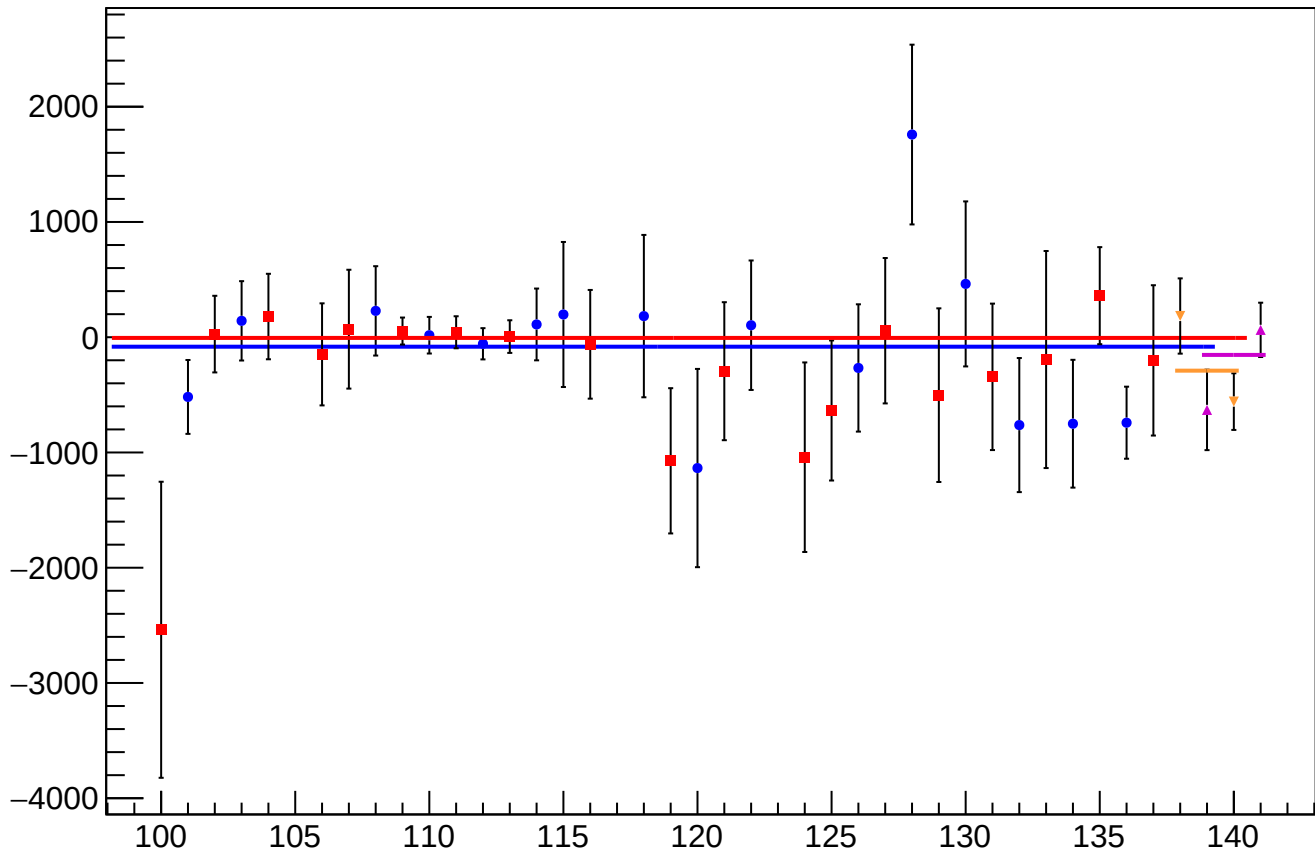
Left In: 66.258 ± 0.036 χ^2/NDF : 1408.5/1

+ sign 69.190 ± 0.017 χ^2/NDF : 316812.2/17

All: 68.649 ± 0.012 χ^2/NDF : 571891.3/38

- sign 68.146 ± 0.016 χ^2/NDF : 253054.4/20

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226 ± 78.675 $\chi^2/\text{NDF}: 19.2/15$

Left Out: -290.116 ± 196.345 $\chi^2/\text{NDF}: 3.3/1$

Right Out: -6.062 ± 65.910 $\chi^2/\text{NDF}: 12.0/18$

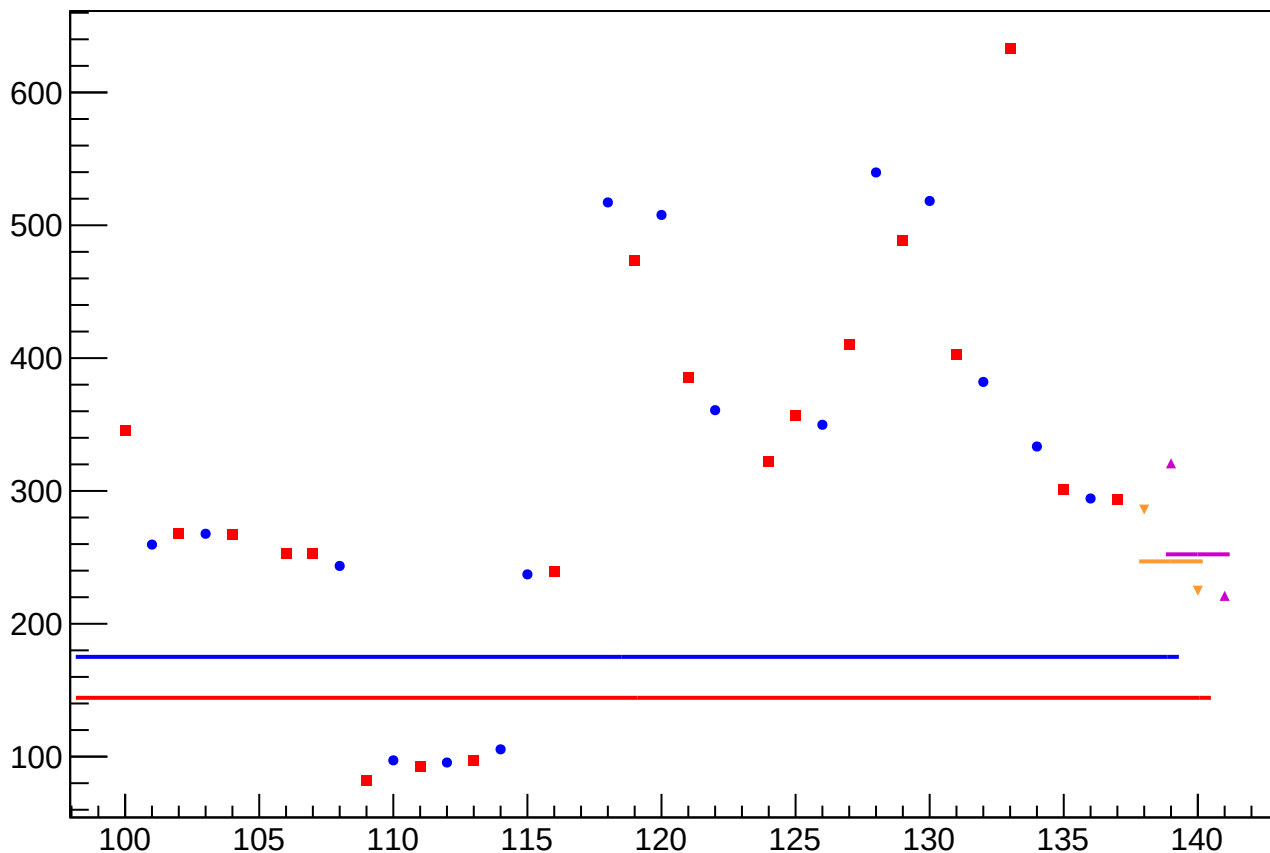
Left In: -153.536 ± 195.349 $\chi^2/\text{NDF}: 2.7/1$

+ sign -110.987 ± 73.031 $\chi^2/\text{NDF}: 23.5/17$

All: -59.087 ± 47.464 $\chi^2/\text{NDF}: 39.6/38$

- sign -21.134 ± 62.451 $\chi^2/\text{NDF}: 15.3/20$

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF : 4429098.4/15

Left Out: 246.967+/-0.139 χ^2/NDF : 44642.5/1

Right Out: 144.276+/-0.047 χ^2/NDF : 5132412.3/18

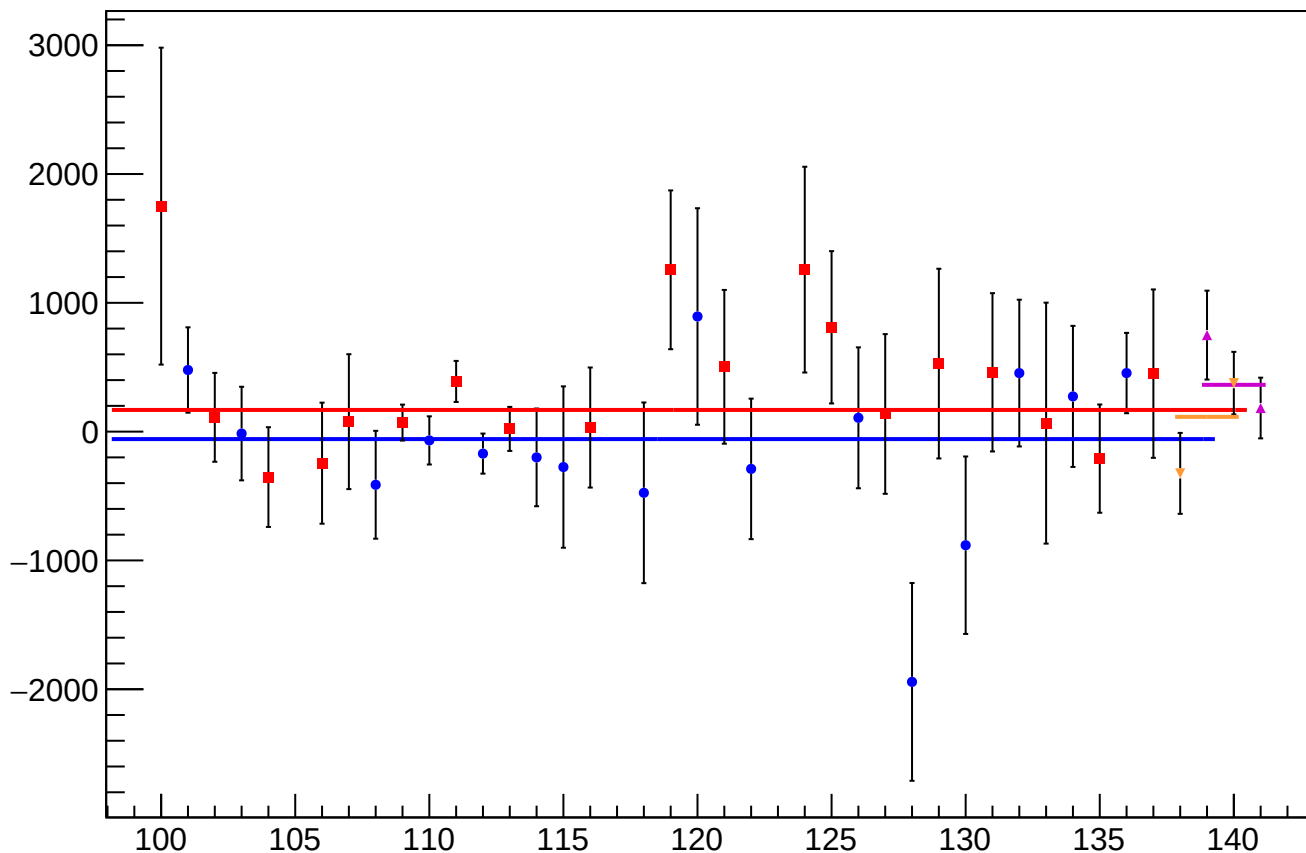
Left In: 252.277+/-0.138 χ^2/NDF : 112164.0/1

+ sign 185.041+/-0.052 χ^2/NDF : 4704633.4/17

All: 167.870+/-0.034 χ^2/NDF : 10689454.5/38

- sign 155.314+/-0.044 χ^2/NDF : 5793410.8/20

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 $\chi^2/\text{NDF}: 15.5/18$

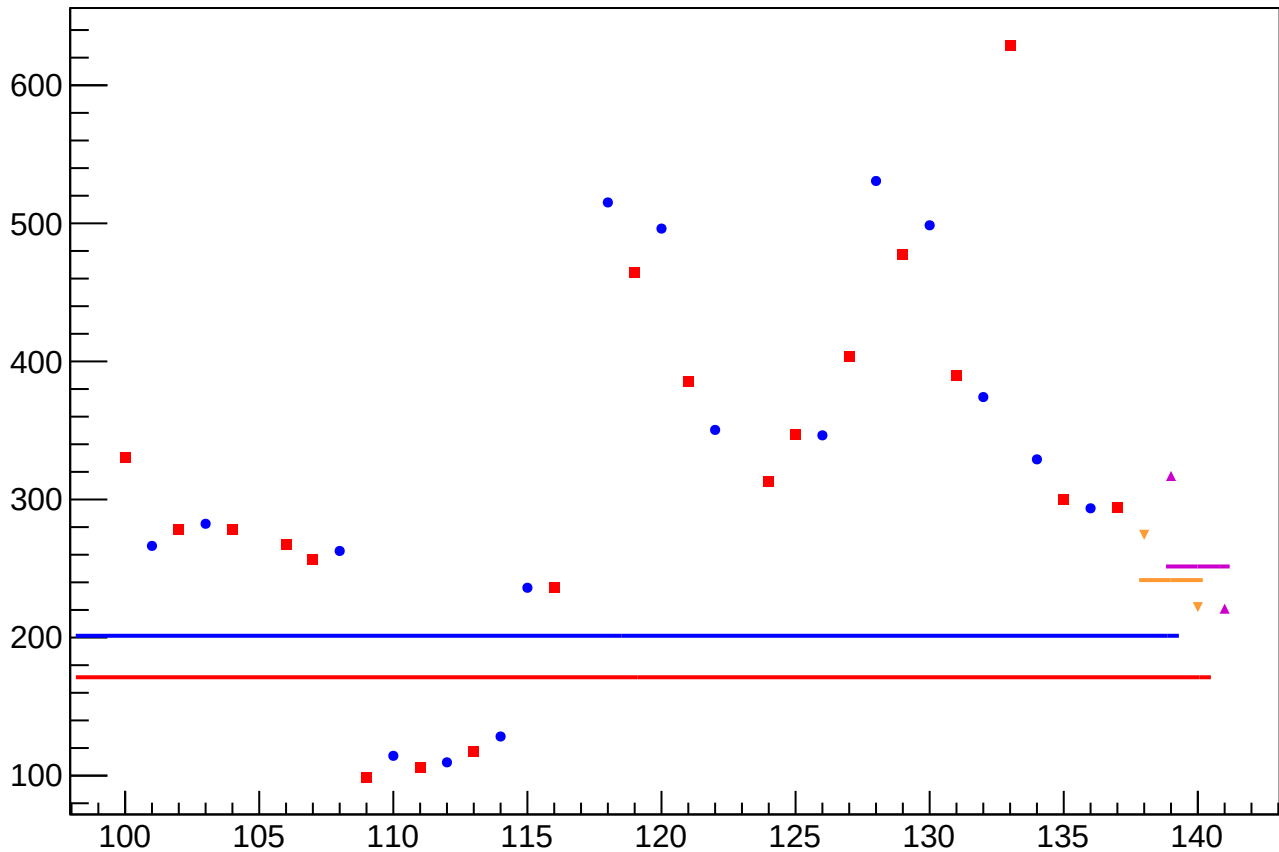
Left In: 363.239 ± 194.625 $\chi^2/\text{NDF}: 1.8/1$

+ sign -28.661 ± 79.169 $\chi^2/\text{NDF}: 21.2/17$

All: 96.443 ± 52.296 $\chi^2/\text{NDF}: 43.8/38$

- sign 193.289 ± 69.656 $\chi^2/\text{NDF}: 18.2/20$

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

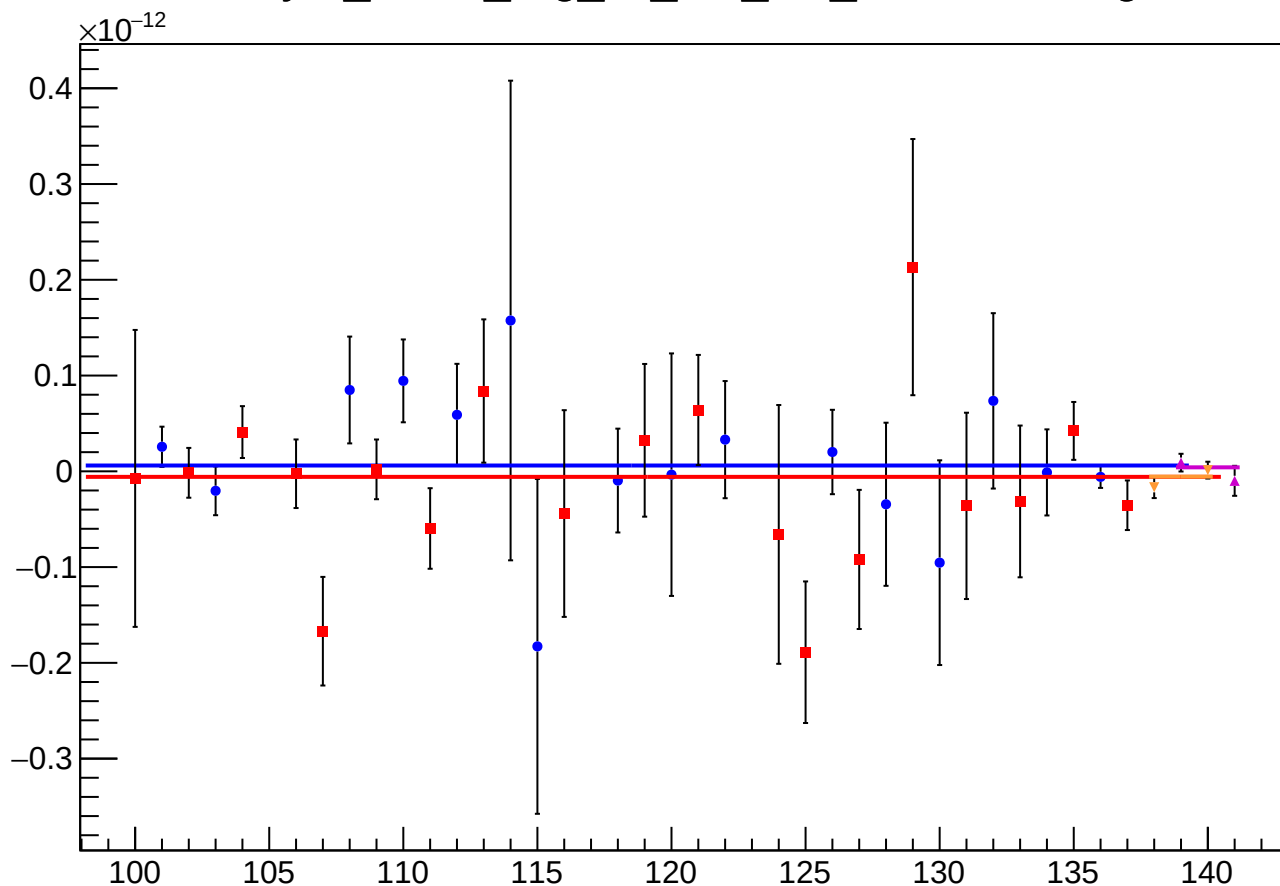
Left In: 251.493+/-0.138 χ^2/NDF : 105768.5/1

+ sign 208.148+/-0.056 χ^2/NDF : 3680114.7/17

All: 193.145+/-0.037 χ^2/NDF : 8402286.6/38

- sign 181.530+/-0.049 χ^2/NDF : 4594735.8/20

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 13.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.5/18

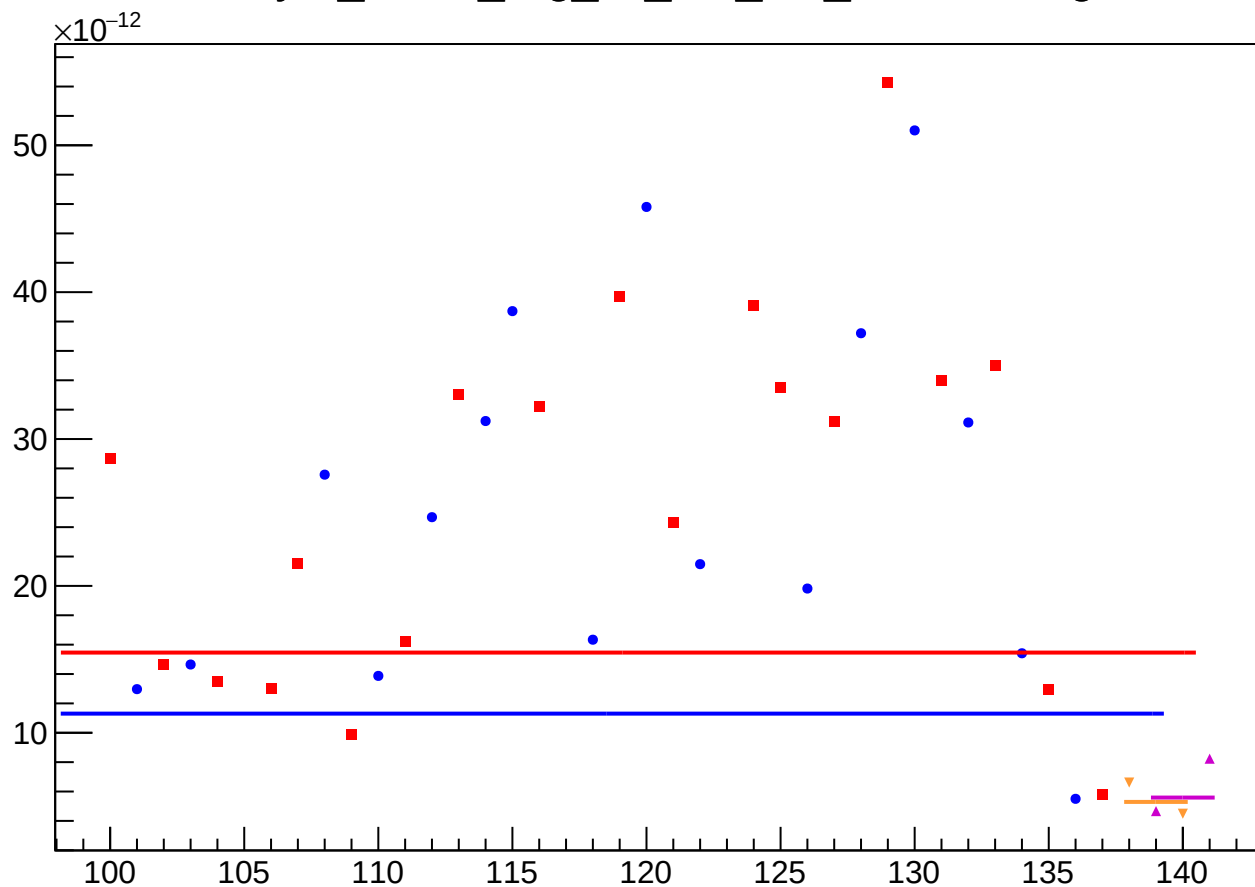
Left In: 0.000 ± 0.000 χ^2/NDF : 1.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 16.5/17

All: -0.000 ± 0.000 χ^2/NDF : 48.7/38

- sign 0.000 ± 0.000 χ^2/NDF : 32.2/20

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

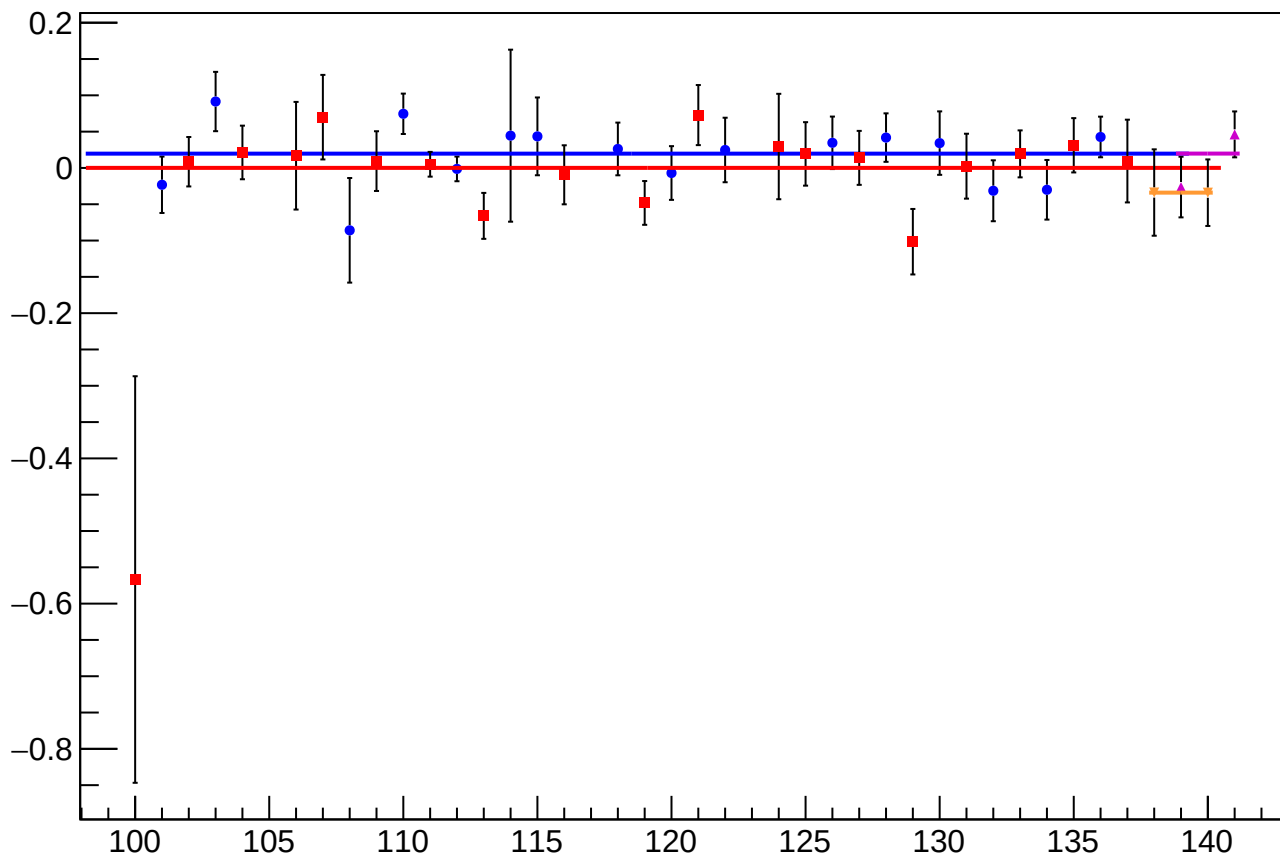
Left In: 0.000+/-0.000 χ^2/NDF : 77085.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2453851.0/17

All: 0.000+/-0.000 χ^2/NDF : 5209809.6/38

- sign 0.000+/-0.000 χ^2/NDF : 2685126.3/20

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 χ^2/NDF : 17.0/15

Left Out: -0.034 ± 0.036 χ^2/NDF : 0.0/1

Right Out: 0.000 ± 0.009 χ^2/NDF : 22.8/18

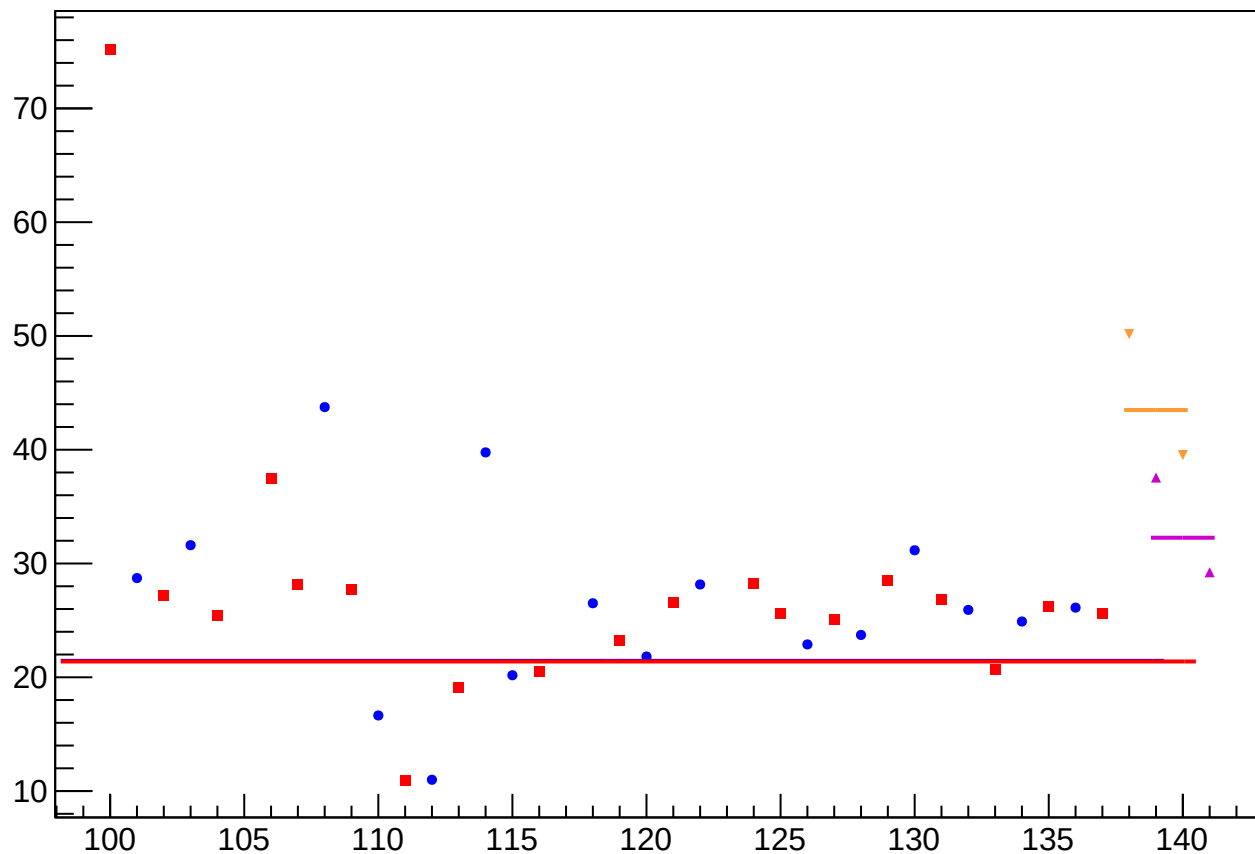
Left In: 0.020 ± 0.025 χ^2/NDF : 1.9/1

+ sign 0.017 ± 0.008 χ^2/NDF : 19.1/17

All: 0.009 ± 0.006 χ^2/NDF : 46.0/38

- sign 0.002 ± 0.008 χ^2/NDF : 25.3/20

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

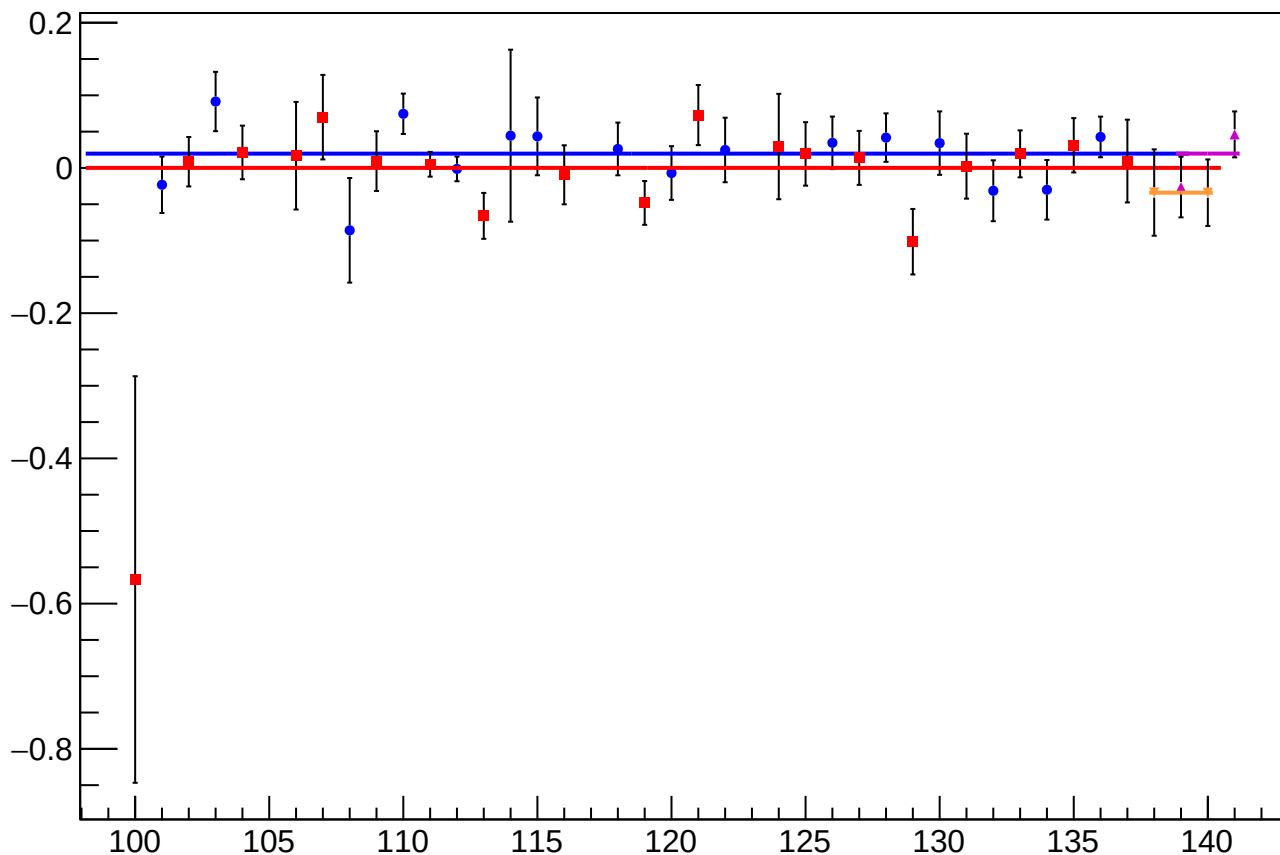
Left In: 32.266 $\pm$ 0.018 χ^2 /NDF:50547.7/1

+ sign 22.638 $\pm$ 0.006 χ^2 /NDF: 2278722.5/17

All: 22.566 $\pm$ 0.004 χ^2 /NDF: 3975673.2/38

- sign 22.501 $\pm$ 0.006 χ^2 /NDF: 1696677.5/20

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.034 ± 0.036 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

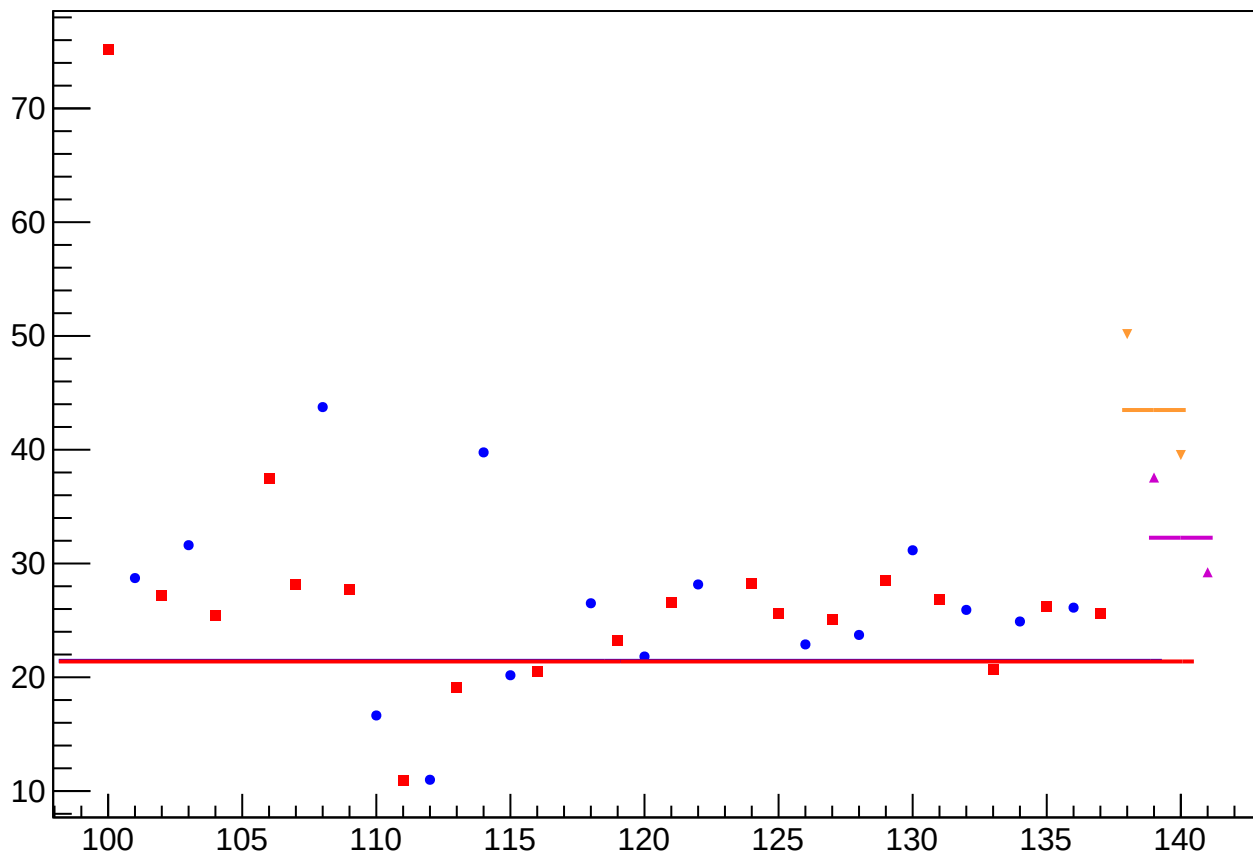
Left In: 0.020 ± 0.025 $\chi^2/\text{NDF}: 1.9/1$

+ sign 0.017 ± 0.008 $\chi^2/\text{NDF}: 19.1/17$

All: 0.009 ± 0.006 $\chi^2/\text{NDF}: 46.0/38$

- sign 0.002 ± 0.008 $\chi^2/\text{NDF}: 25.3/20$

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF : 1540713.8/15

Left Out: 43.491+/-0.026 χ^2/NDF : 40075.6/1

Right Out: 21.389+/-0.006 χ^2/NDF : 1311934.3/18

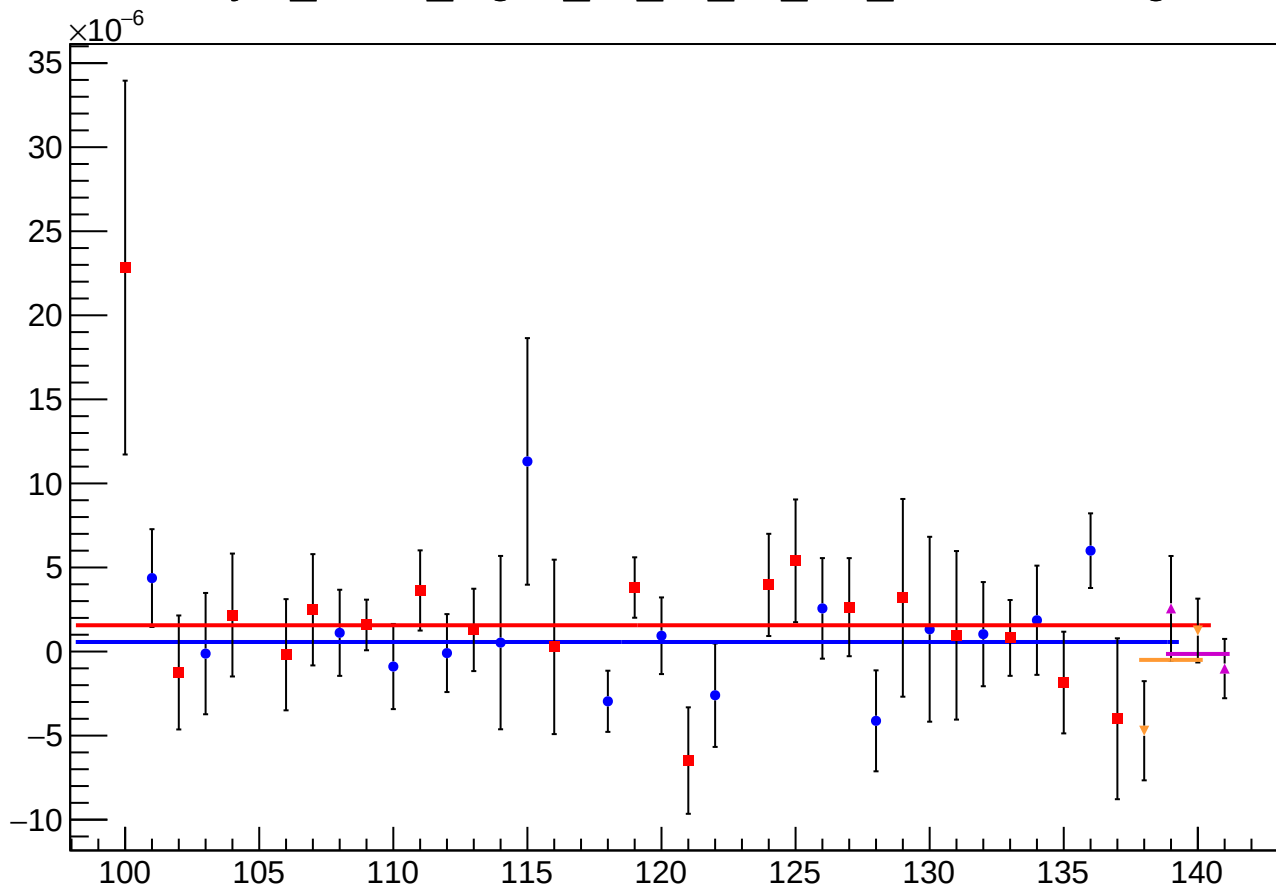
Left In: 32.266+/-0.018 χ^2/NDF : 50547.7/1

+ sign 22.638+/-0.006 χ^2/NDF : 2278722.5/17

All: 22.566+/-0.004 χ^2/NDF : 3975673.2/38

- sign 22.501+/-0.006 χ^2/NDF : 1696677.5/20

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 2.9/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.3/18

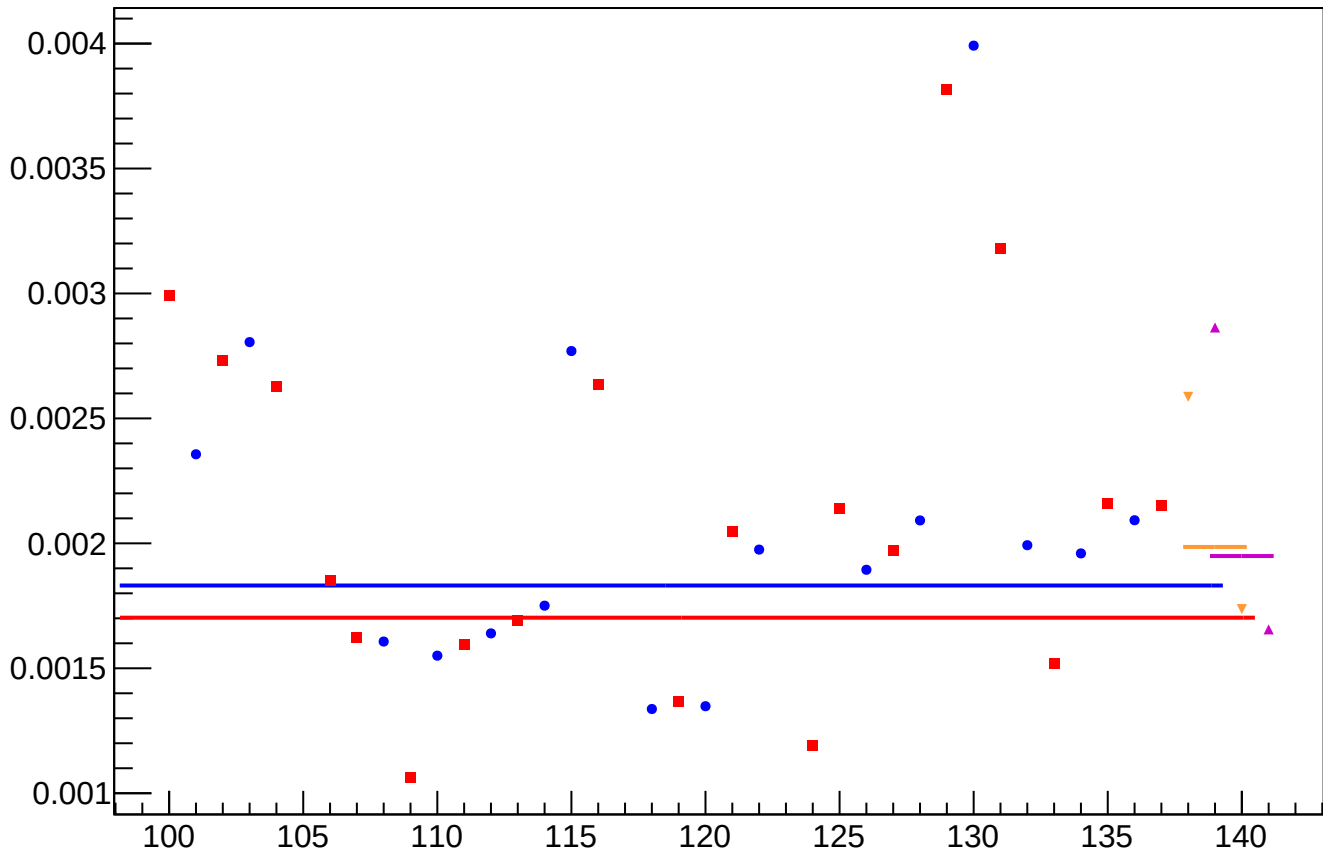
Left In: -0.000 ± 0.000 χ^2/NDF : 1.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 21.5/17

All: 0.000 ± 0.000 χ^2/NDF : 42.9/38

- sign 0.000 ± 0.000 χ^2/NDF : 20.3/20

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

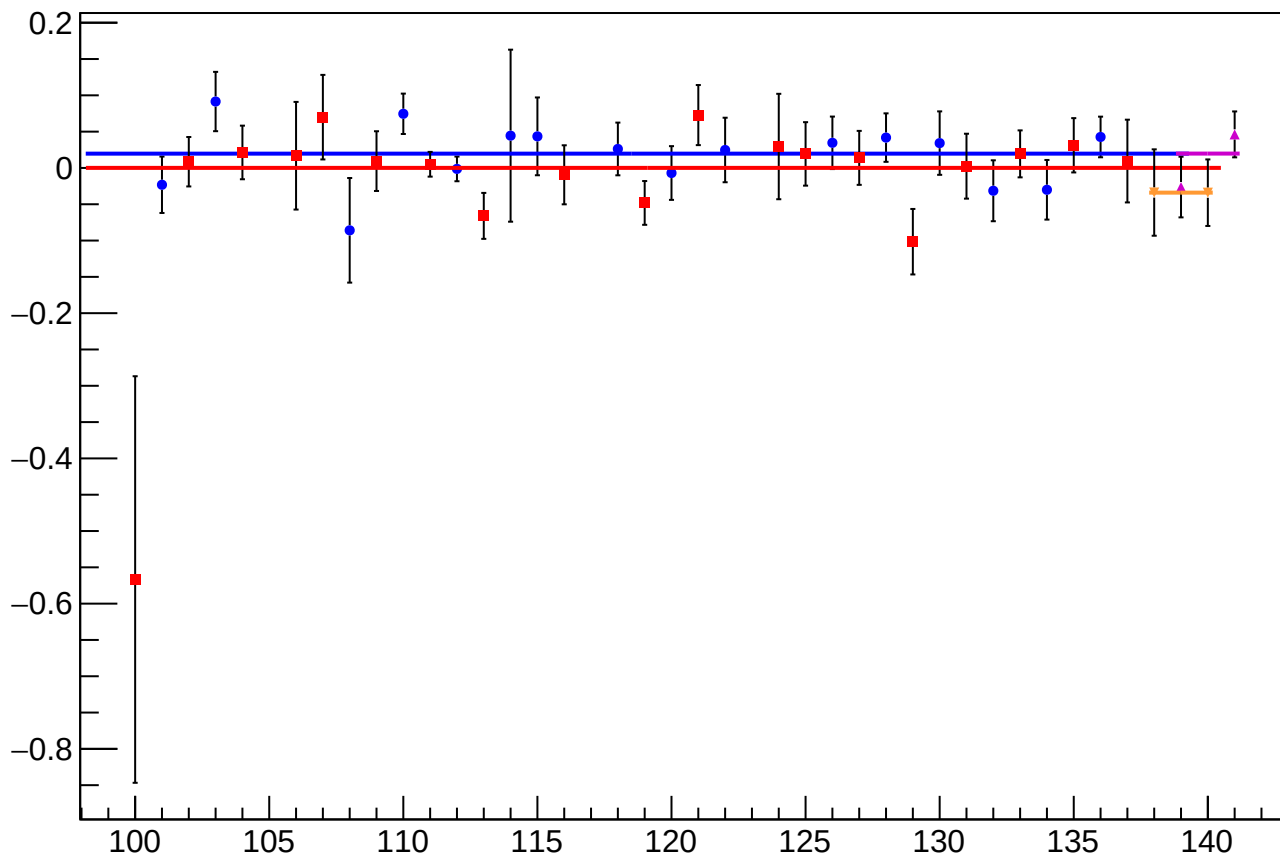
Left In: 0.002+/-0.000 χ^2/NDF :227870.9/1

+ sign 0.002+/-0.000 χ^2/NDF : 1033335.0/17

All: 0.002+/-0.000 χ^2/NDF : 2816969.6/38

- sign 0.002+/-0.000 χ^2/NDF : 1749549.6/20

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.034 ± 0.036 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

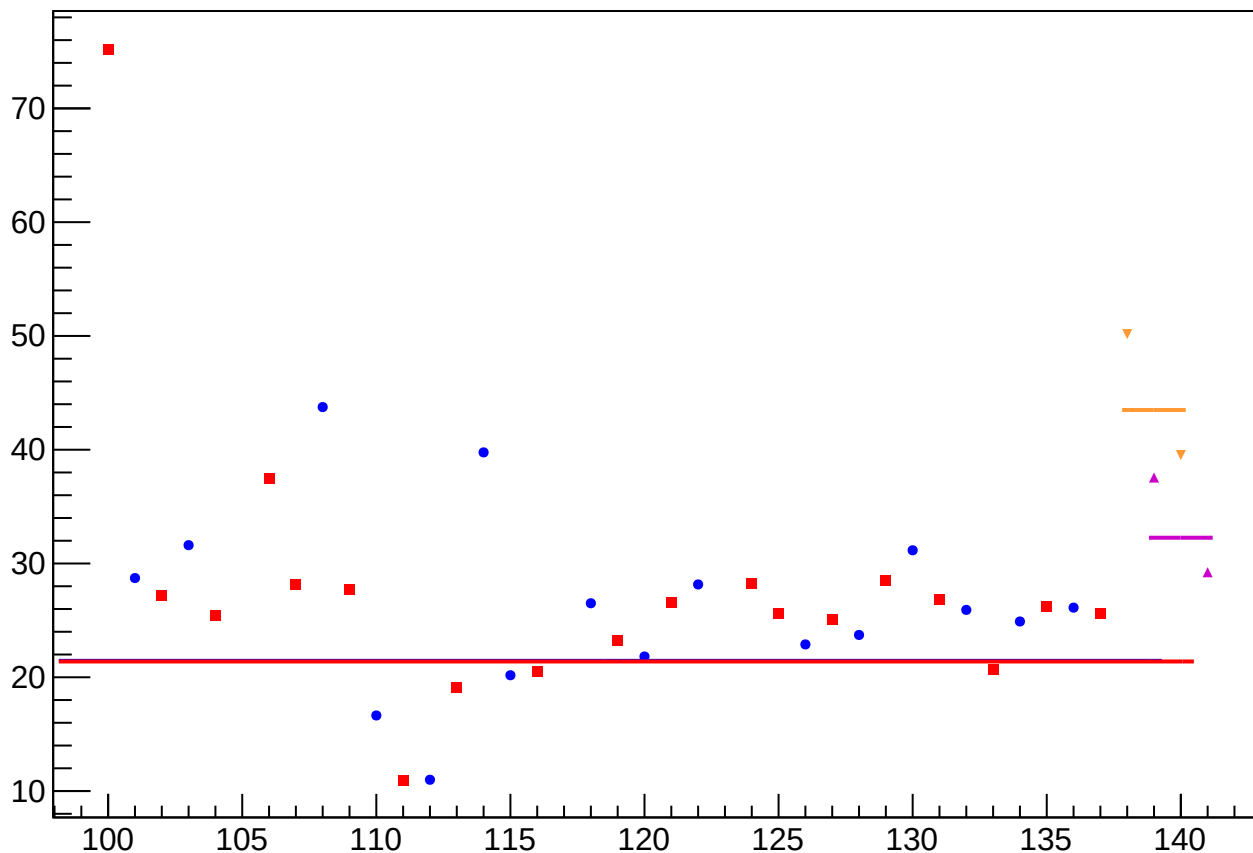
Left In: 0.020 ± 0.025 $\chi^2/\text{NDF}: 1.9/1$

+ sign 0.017 ± 0.008 $\chi^2/\text{NDF}: 19.1/17$

All: 0.009 ± 0.006 $\chi^2/\text{NDF}: 46.0/38$

- sign 0.002 ± 0.008 $\chi^2/\text{NDF}: 25.3/20$

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF : 1540859.8/15

Left Out: 43.491+/-0.026 χ^2/NDF : 40071.4/1

Right Out: 21.389+/-0.006 χ^2/NDF : 1312055.7/18

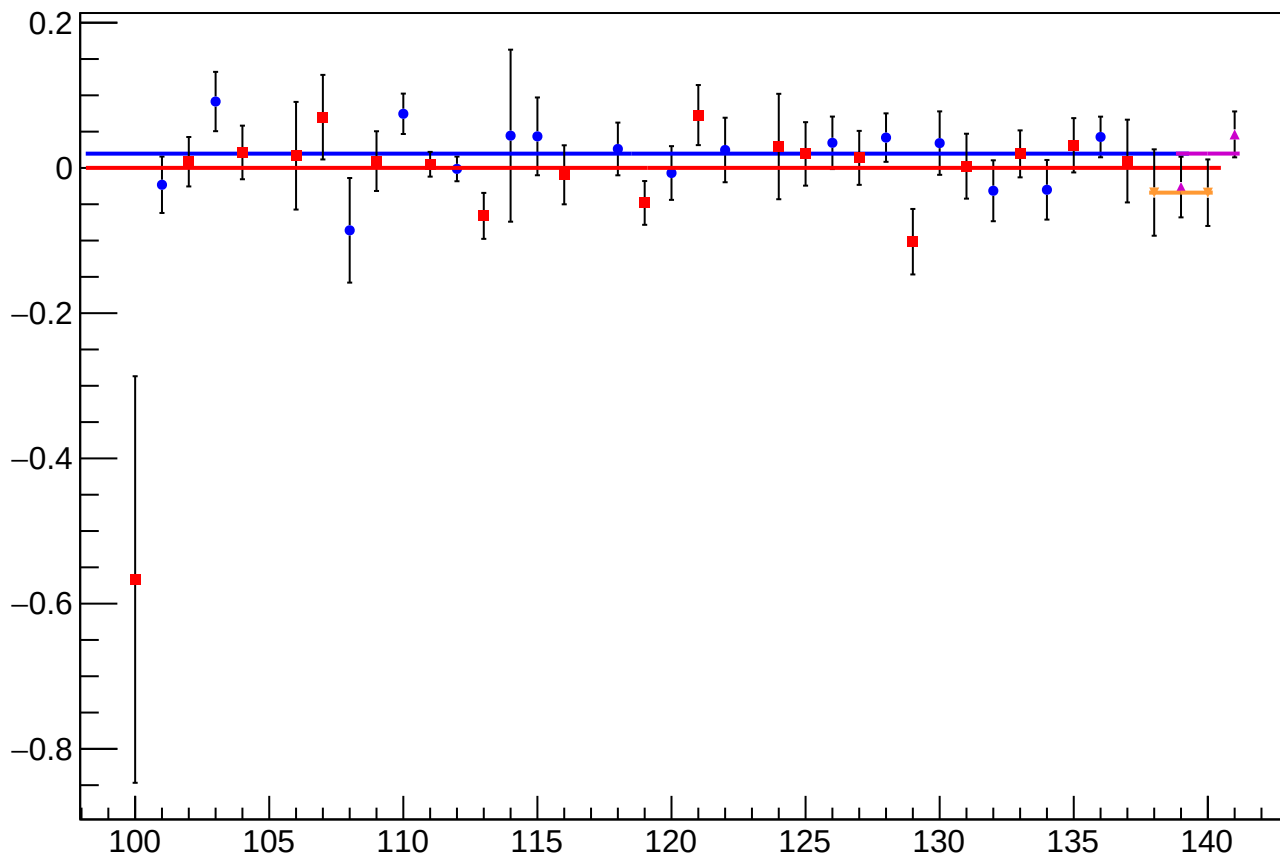
Left In: 32.266+/-0.018 χ^2/NDF : 50544.6/1

+ sign 22.637+/-0.006 χ^2/NDF : 2278911.2/17

All: 22.566+/-0.004 χ^2/NDF : 3976024.9/38

- sign 22.501+/-0.006 χ^2/NDF : 1696840.8/20

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

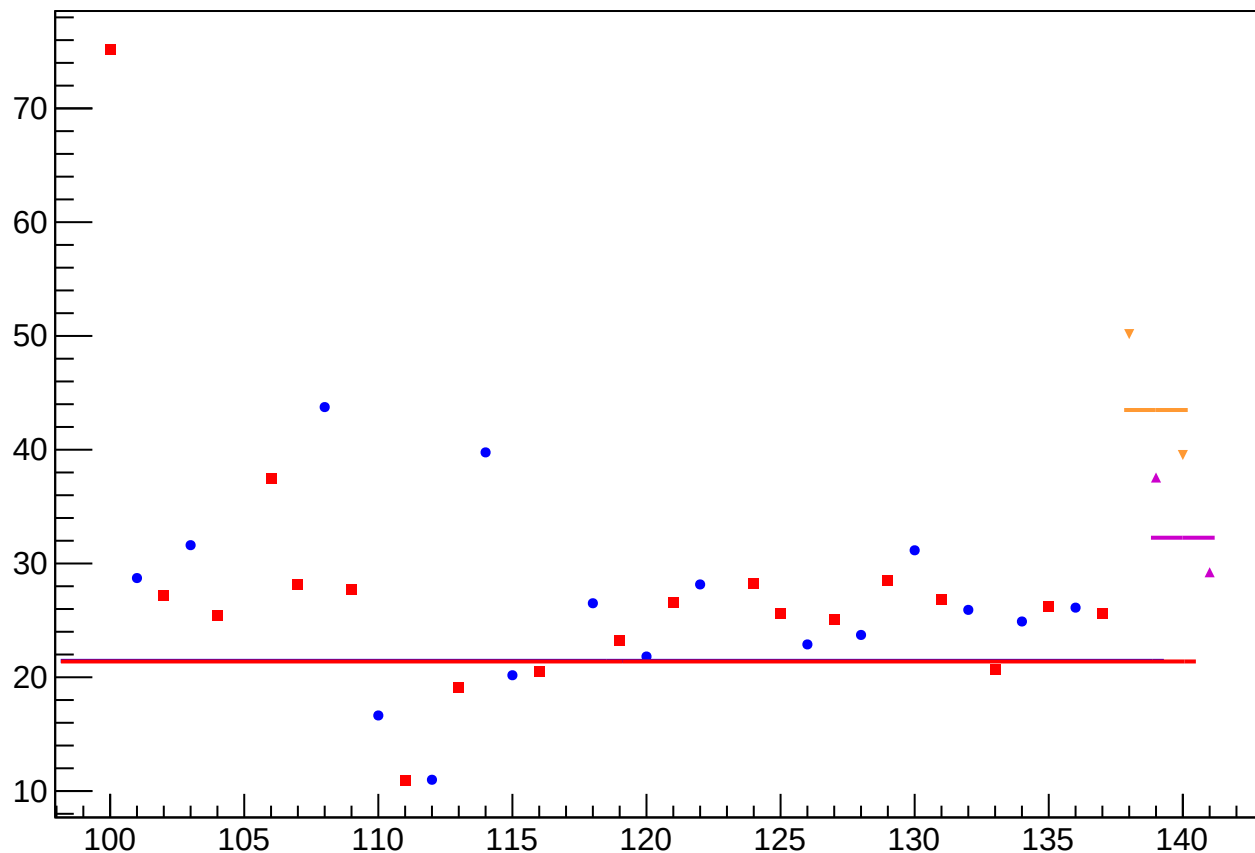
Left In: 0.020 $\pm$ 0.025 χ^2 /NDF: 1.9/1

+ sign 0.017 $\pm$ 0.008 χ^2 /NDF: 19.1/17

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 46.0/38

- sign 0.002 $\pm$ 0.008 χ^2 /NDF: 25.3/20

asym_sam8_eigen_dit_vs_eigen_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

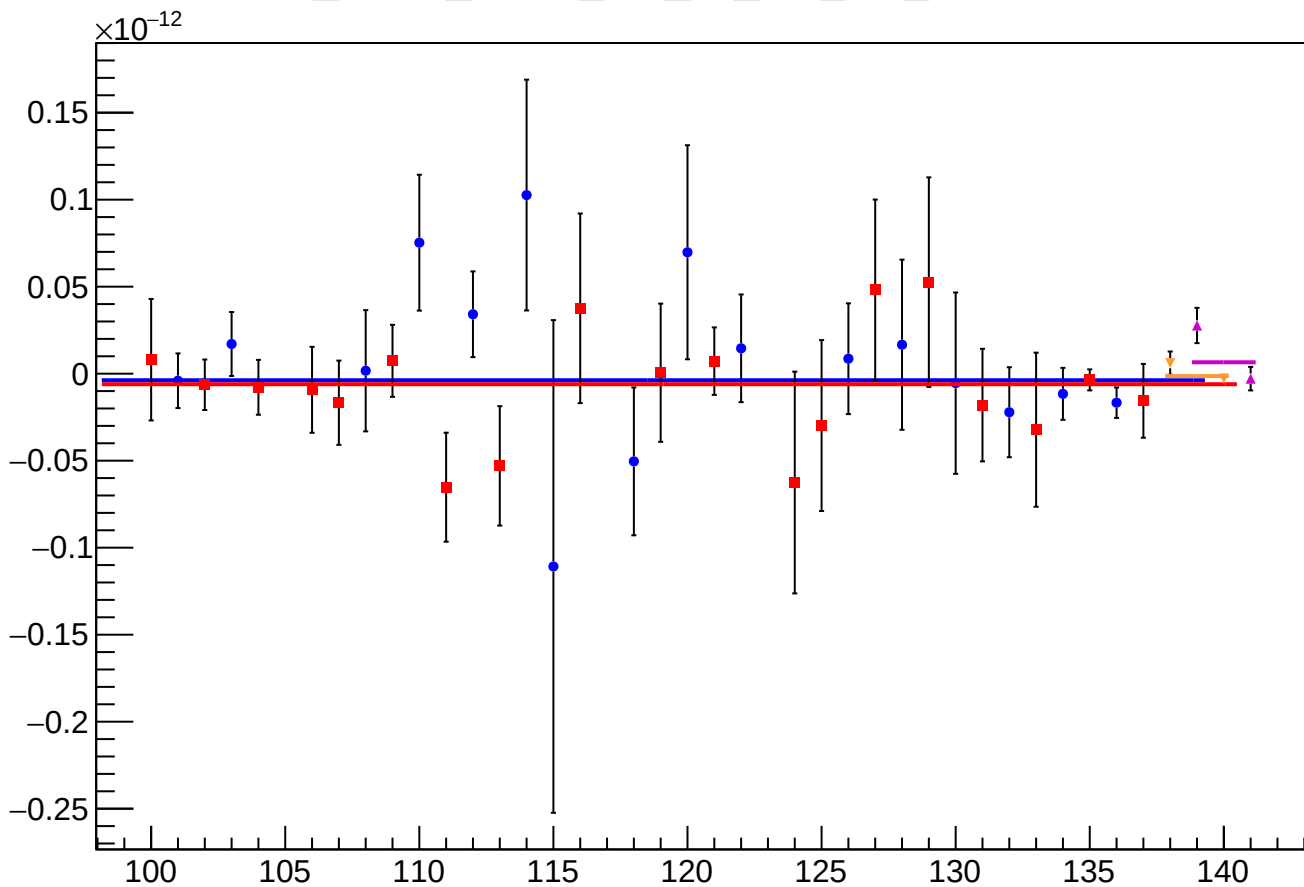
Left In: 32.266+/-0.018 χ^2/NDF : 50544.6/1

+ sign 22.637+/-0.006 χ^2/NDF : 2278911.2/17

All: 22.566+/-0.004 χ^2/NDF : 3976024.9/38

- sign 22.501+/-0.006 χ^2/NDF : 1696840.8/20

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.2/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.5/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.3/18

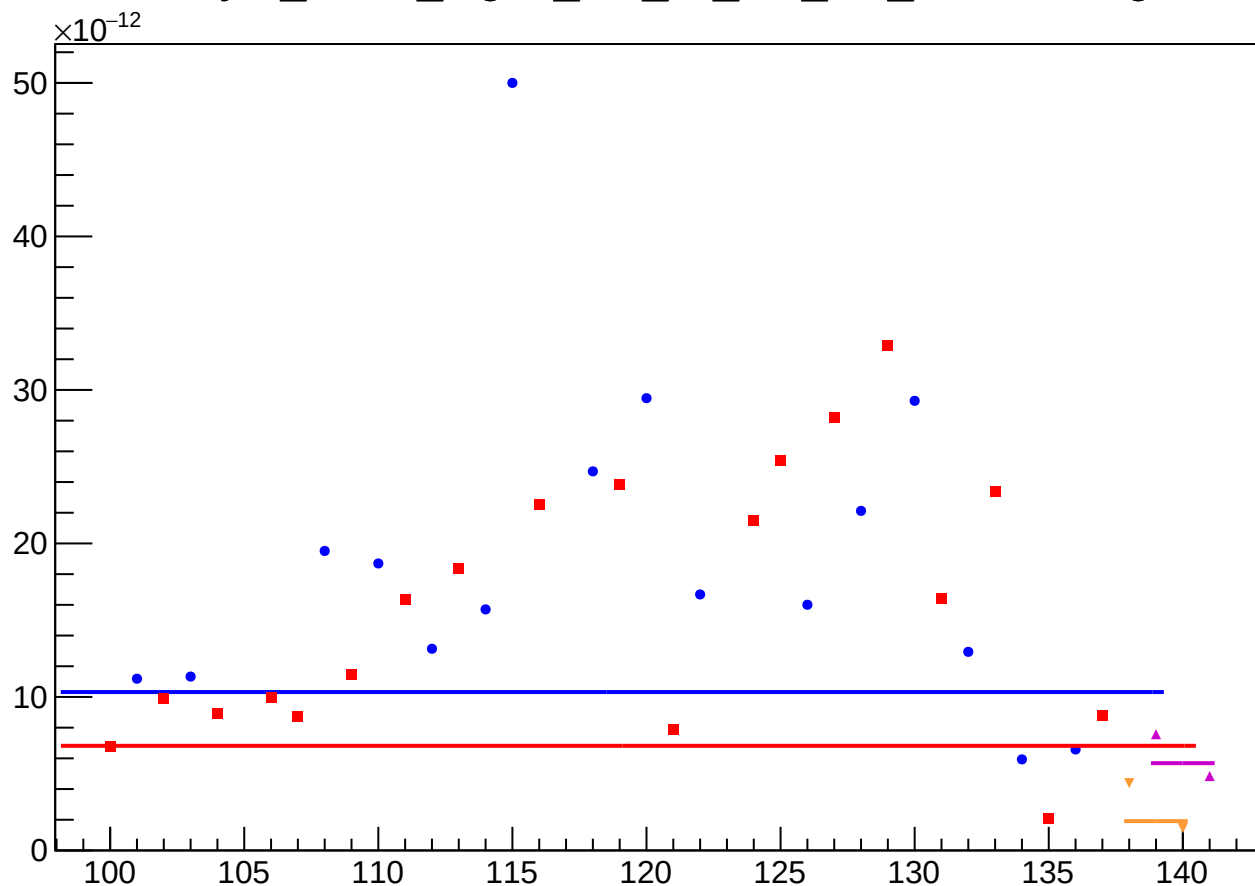
Left In: 0.000 ± 0.000 χ^2/NDF : 6.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.8/17

All: -0.000 ± 0.000 χ^2/NDF : 39.6/38

- sign -0.000 ± 0.000 χ^2/NDF : 20.7/20

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

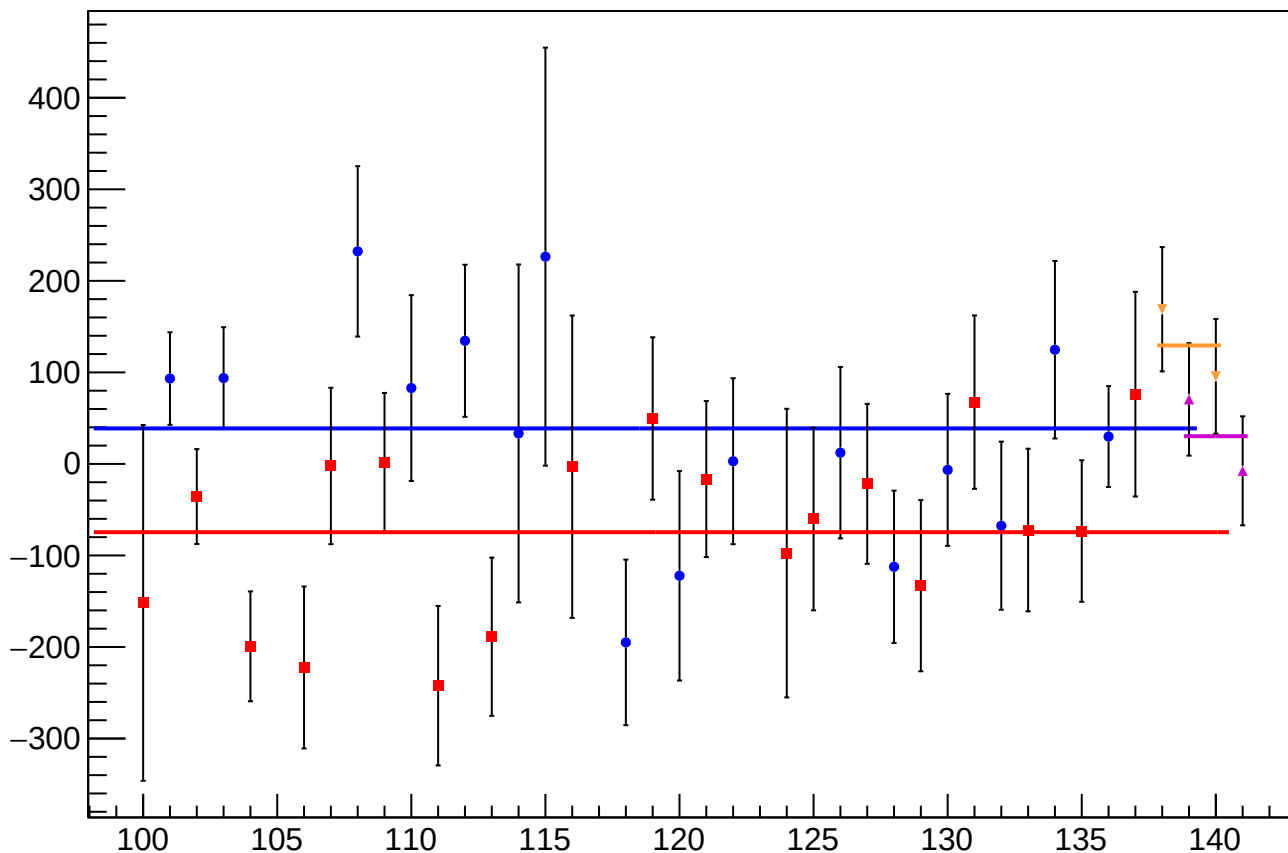
Left In: 0.000+/-0.000 χ^2/NDF : 99989.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 6075745.1/17

All: 0.000+/-0.000 χ^2/NDF : 11214486.5/38

- sign 0.000+/-0.000 χ^2/NDF : 4172474.1/20

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 $\chi^2/\text{NDF}: 22.5/18$

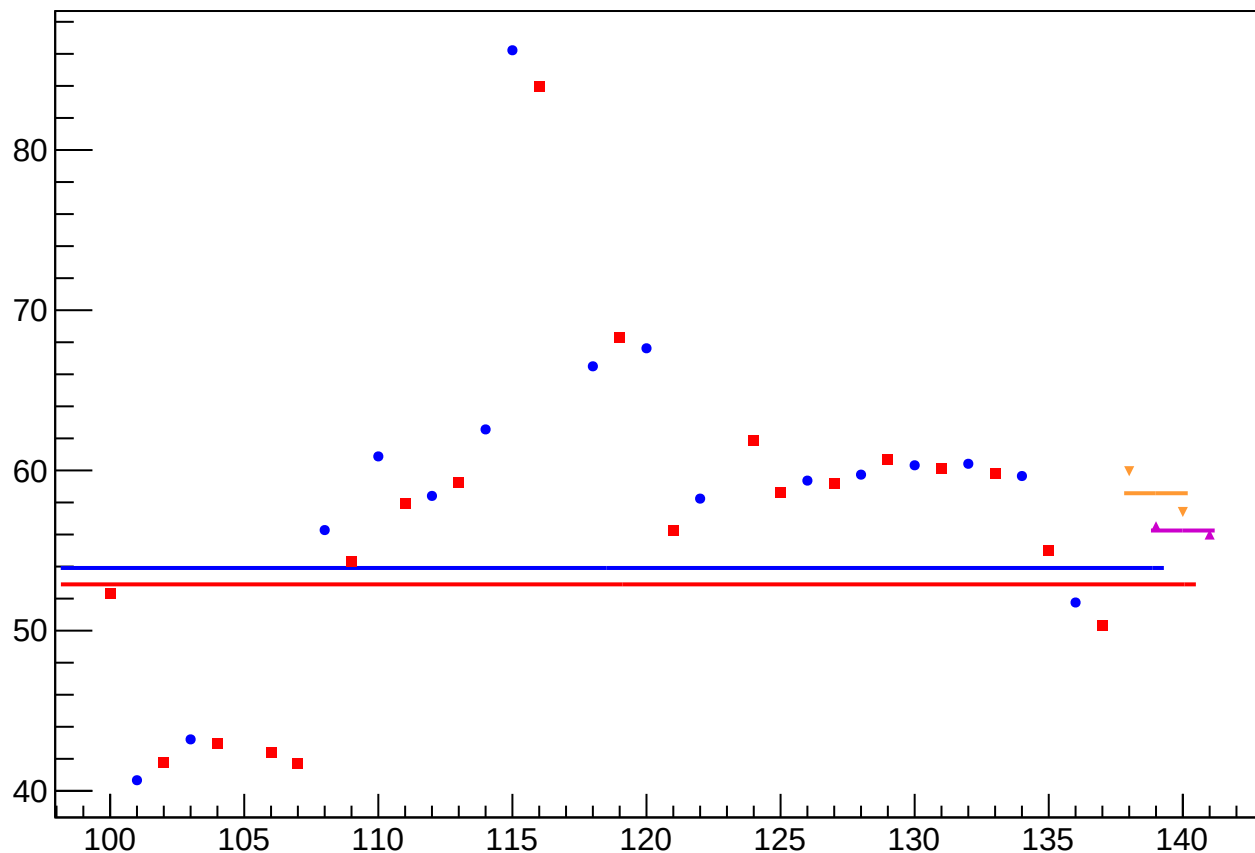
Left In: 30.258 ± 42.769 $\chi^2/\text{NDF}: 0.8/1$

+ sign 53.666 ± 18.662 $\chi^2/\text{NDF}: 27.2/17$

All: -3.277 ± 12.944 $\chi^2/\text{NDF}: 73.3/38$

- sign -56.072 ± 17.969 $\chi^2/\text{NDF}: 28.2/20$

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393261.4/15

Left Out: 58.577 $\pm$ 0.033 χ^2 /NDF: 1516.6/1

Right Out: 52.889 $\pm$ 0.014 χ^2 /NDF: 425226.7/18

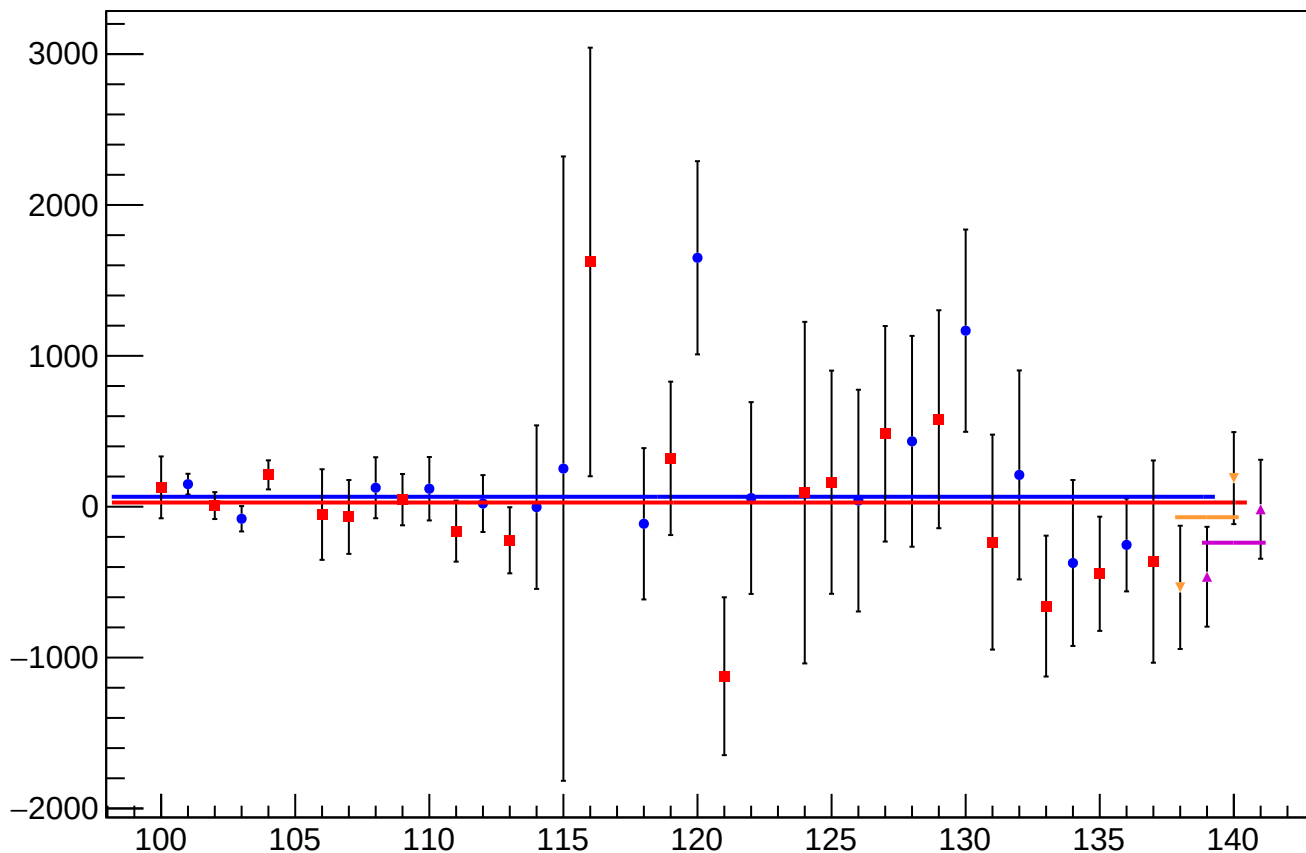
Left In: 56.250 $\pm$ 0.030 χ^2 /NDF: 72.6/1

+ sign 54.678 $\pm$ 0.013 χ^2 /NDF: 411927.3/17

All: 54.058 $\pm$ 0.009 χ^2 /NDF: 851662.0/38

- sign 53.482 $\pm$ 0.013 χ^2 /NDF: 435472.5/20

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF : 15.7/15

Left Out: -69.592+/-244.420 χ^2/NDF : 2.0/1

Right Out: 27.850+/-50.291 χ^2/NDF : 18.0/18

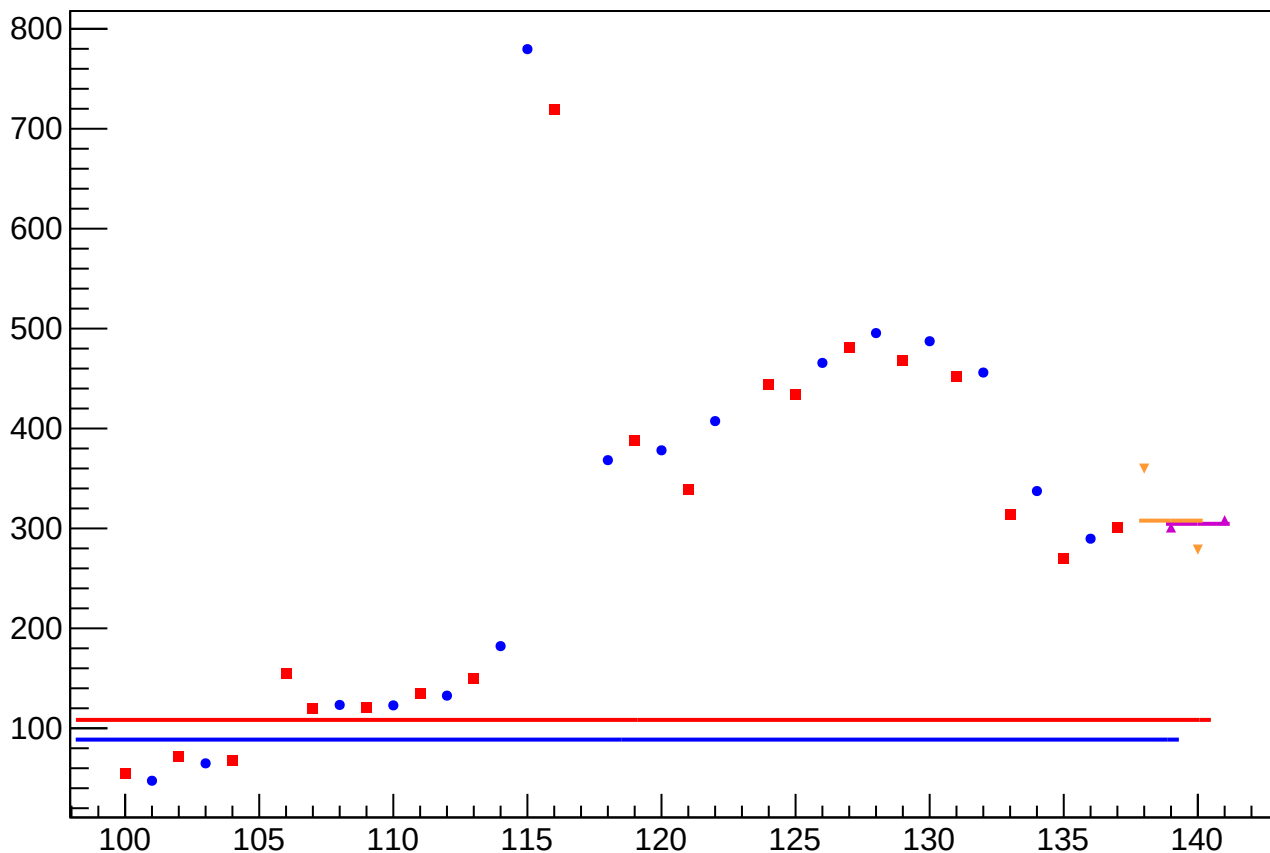
Left In: -238.645+/-232.948 χ^2/NDF : 0.9/1

+ sign 61.126+/-45.660 χ^2/NDF : 18.0/17

All: 40.218+/-33.455 χ^2/NDF : 38.6/38

- sign 15.982+/-49.159 χ^2/NDF : 20.2/20

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2 /NDF: 6648055.6/15

Left Out: 307.808+/-0.173 χ^2 /NDF: 50545.7/1

Right Out: 108.385+/-0.036 χ^2 /NDF: 5362841.6/18

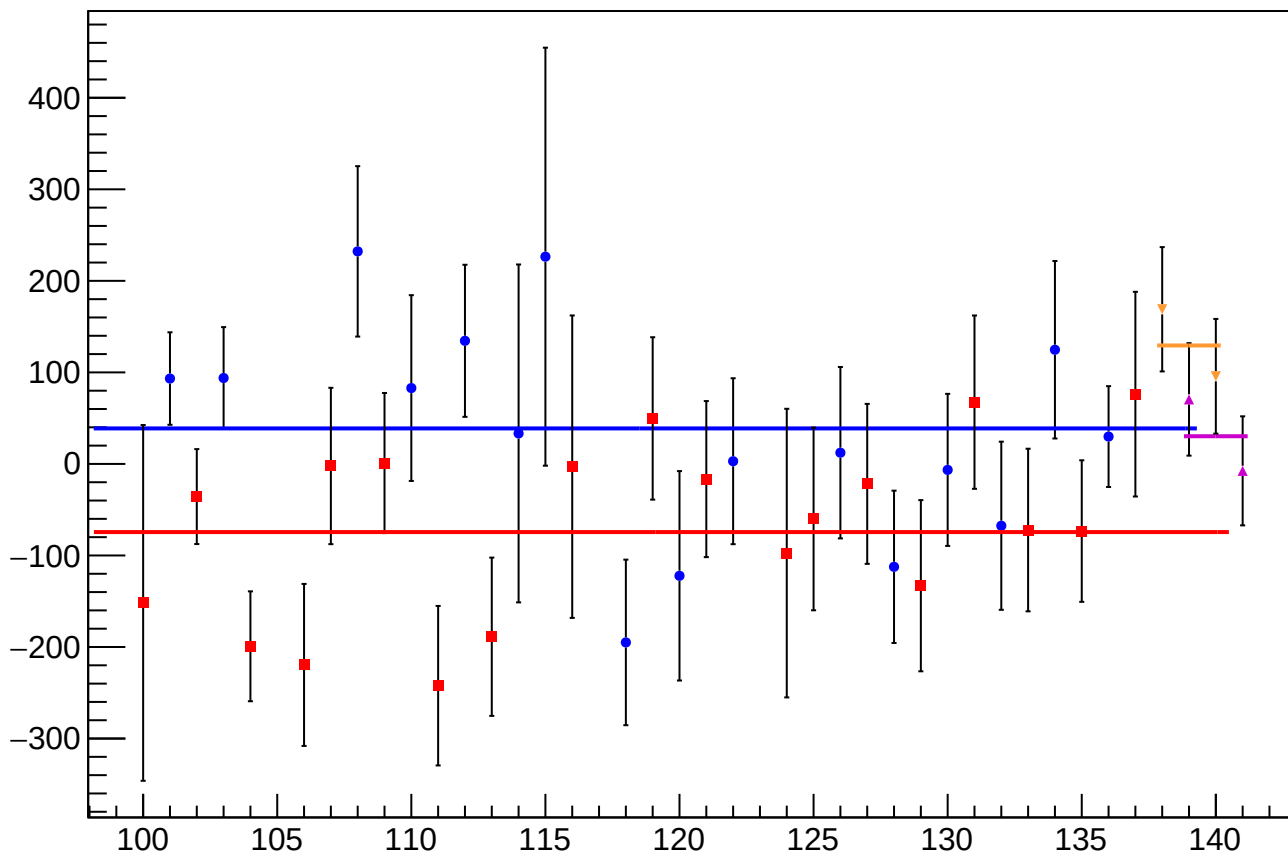
Left In: 304.635+/-0.165 χ^2 /NDF: 498.3/1

+ sign 96.306+/-0.032 χ^2 /NDF: 8250316.6/17

All: 105.948+/-0.024 χ^2 /NDF: 15162511.7/38

- sign 117.125+/-0.035 χ^2 /NDF: 6719618.2/20

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

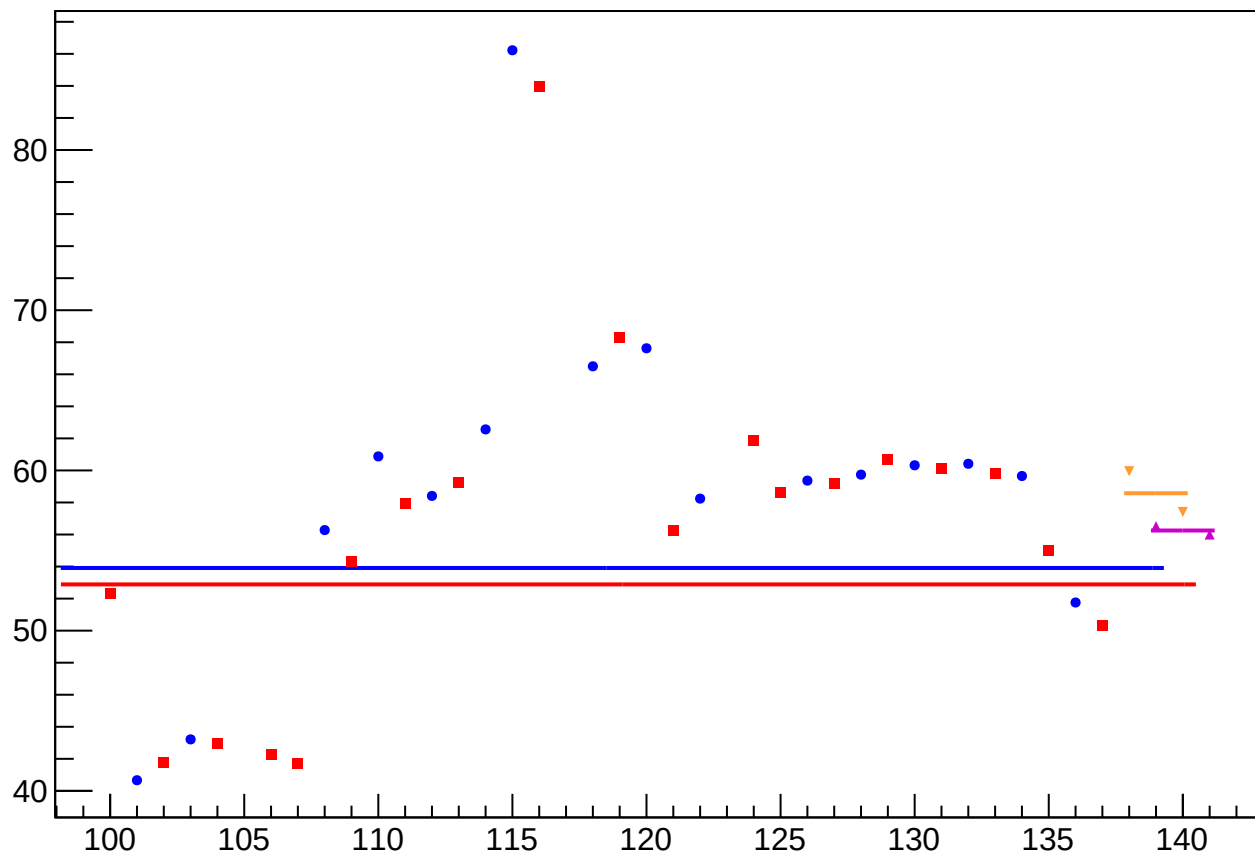
Left In: 30.251 $\pm$ 42.769 χ^2 /NDF: 0.8/1

+ sign 53.676 $\pm$ 18.662 χ^2 /NDF: 27.2/17

All: -3.210 $\pm$ 12.944 χ^2 /NDF: 73.2/38

- sign -55.959 $\pm$ 17.970 χ^2 /NDF: 28.1/20

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

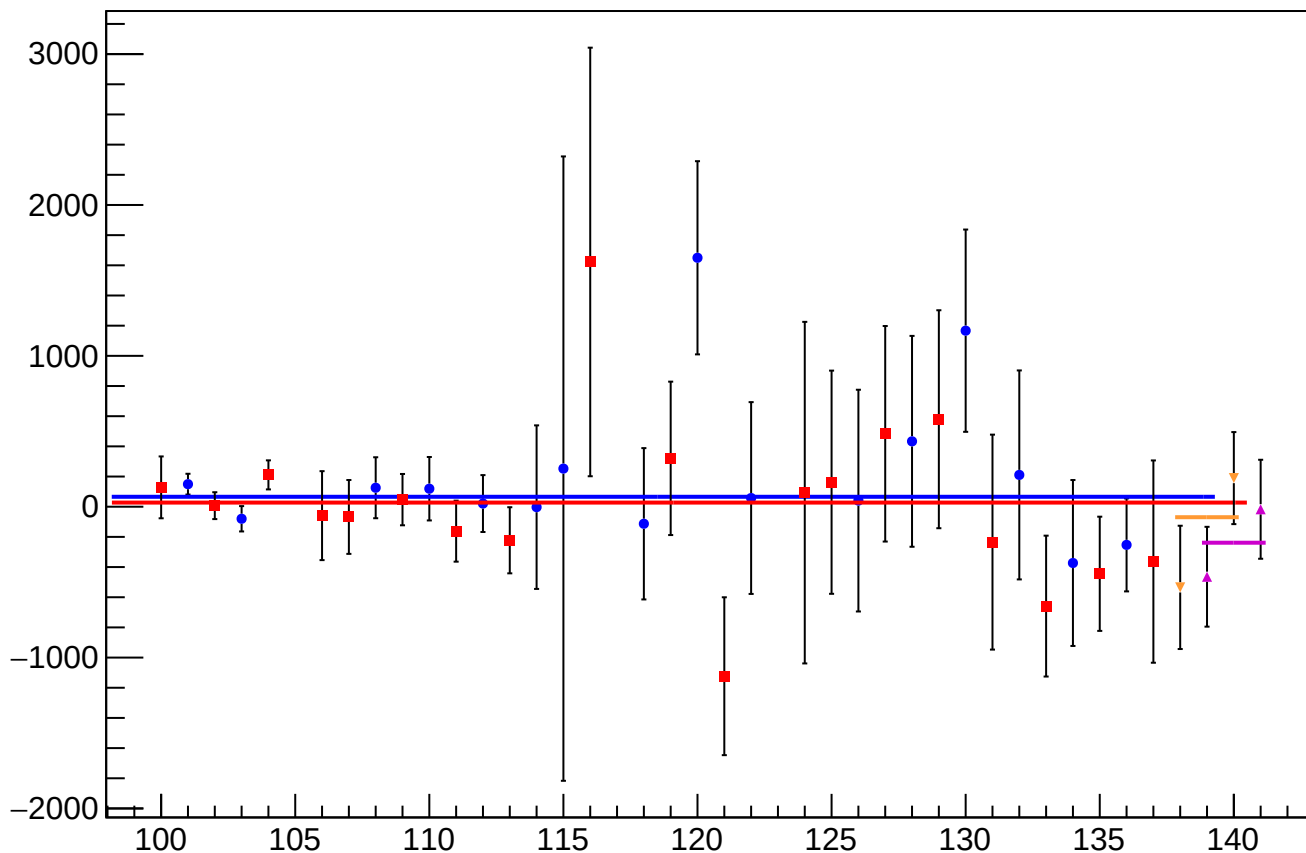
Left In: 56.250 $\pm$ 0.030 χ^2 /NDF: 72.6/1

+ sign 54.678 $\pm$ 0.013 χ^2 /NDF: 411926.6/17

All: 54.057 $\pm$ 0.009 χ^2 /NDF: 851994.7/38

- sign 53.481 $\pm$ 0.013 χ^2 /NDF: 435793.4/20

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

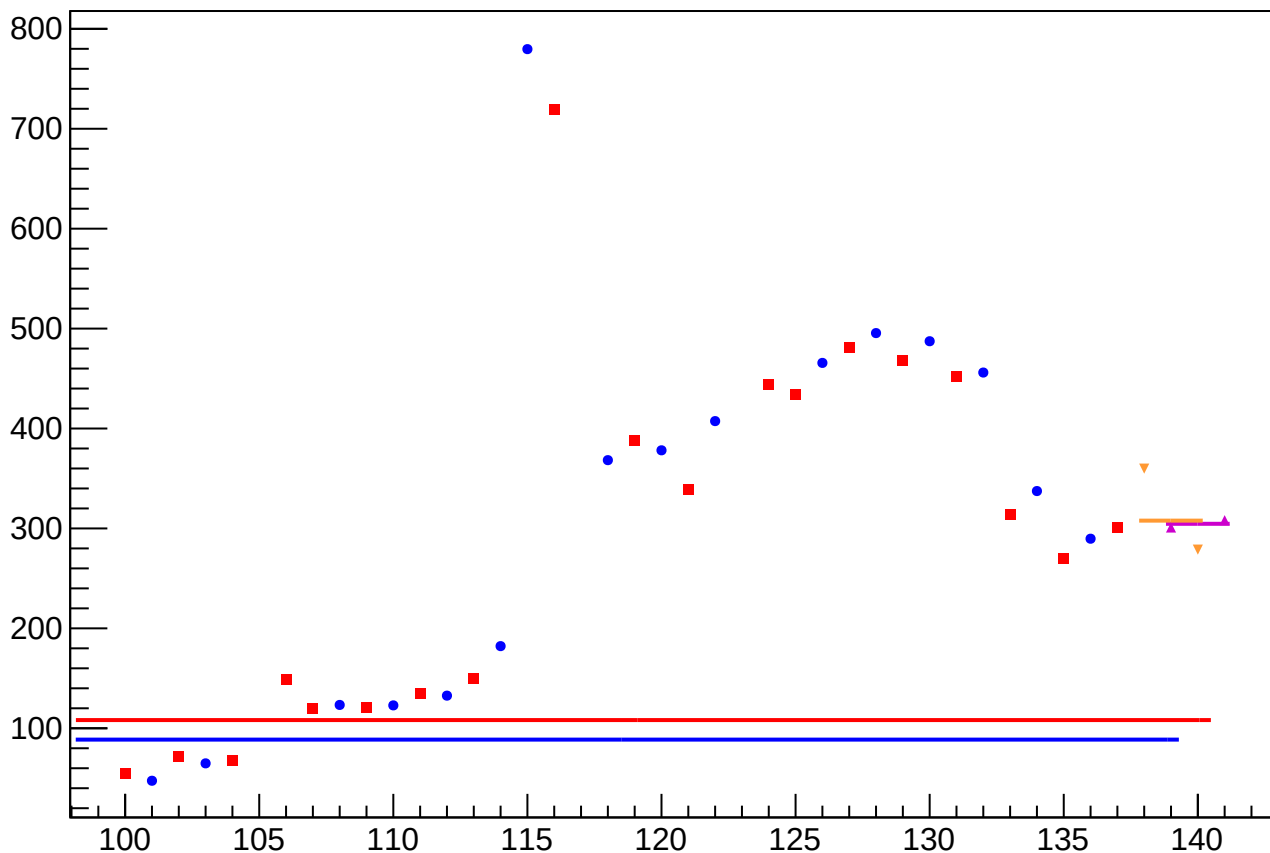
Left In: -238.644 $\pm$ 232.948 χ^2 /NDF:0.9/1

+ sign 61.130 $\pm$ 45.659 χ^2 /NDF: 18.0/17

All: 40.014 $\pm$ 33.442 χ^2 /NDF: 38.7/38

- sign 15.577 $\pm$ 49.119 χ^2 /NDF: 20.2/20

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF : 50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

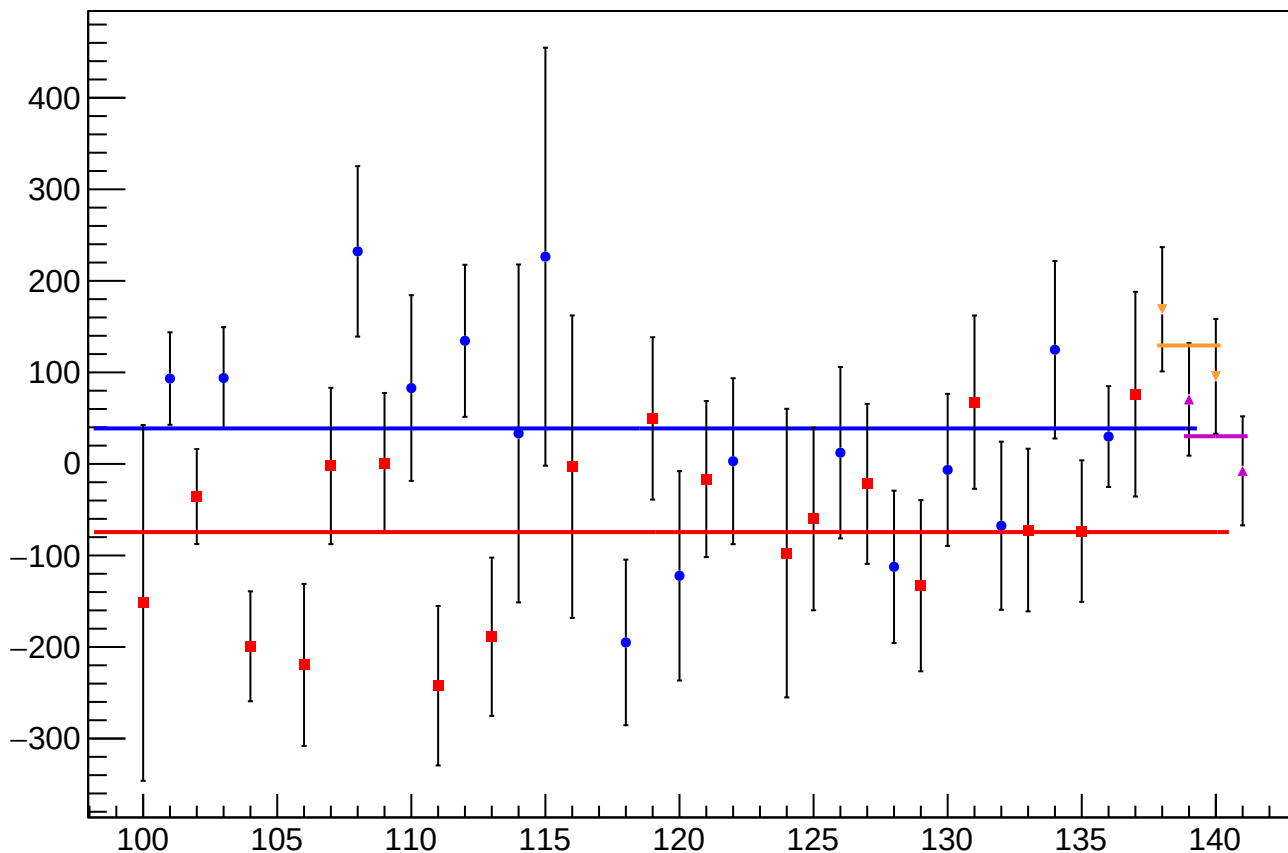
Left In: 304.636+/-0.165 χ^2/NDF : 498.4/1

+ sign 96.303+/-0.032 χ^2/NDF : 8250436.0/17

All: 105.869+/-0.024 χ^2/NDF : 15154042.4/38

- sign 116.940+/-0.035 χ^2/NDF : 6714214.1/20

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 ± 20.413 χ^2/NDF : 23.3/15

Left Out: 129.418 ± 46.051 χ^2/NDF : 0.6/1

Right Out: -74.442 ± 19.803 χ^2/NDF : 22.3/18

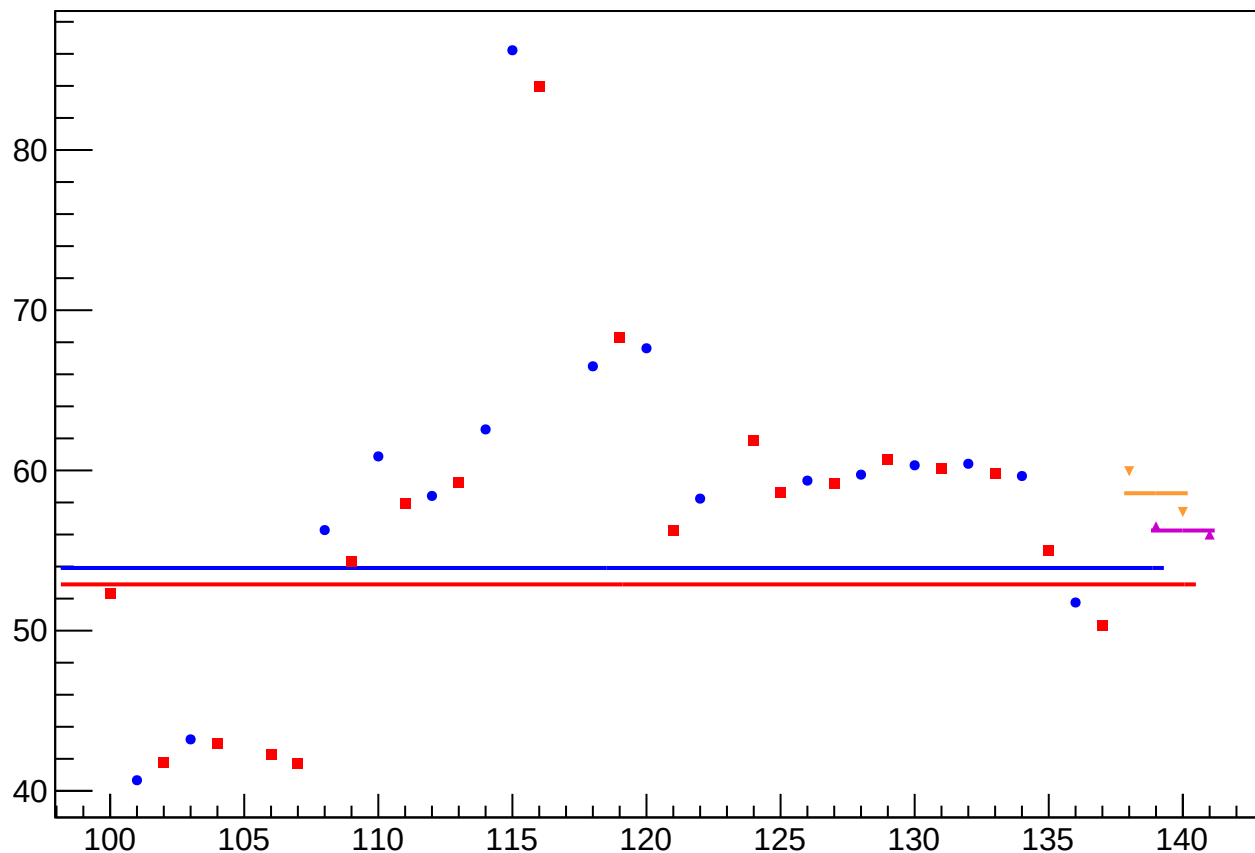
Left In: 30.251 ± 42.769 χ^2/NDF : 0.8/1

+ sign 53.676 ± 18.662 χ^2/NDF : 27.2/17

All: -3.210 ± 12.944 χ^2/NDF : 73.2/38

- sign -55.959 ± 17.970 χ^2/NDF : 28.1/20

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

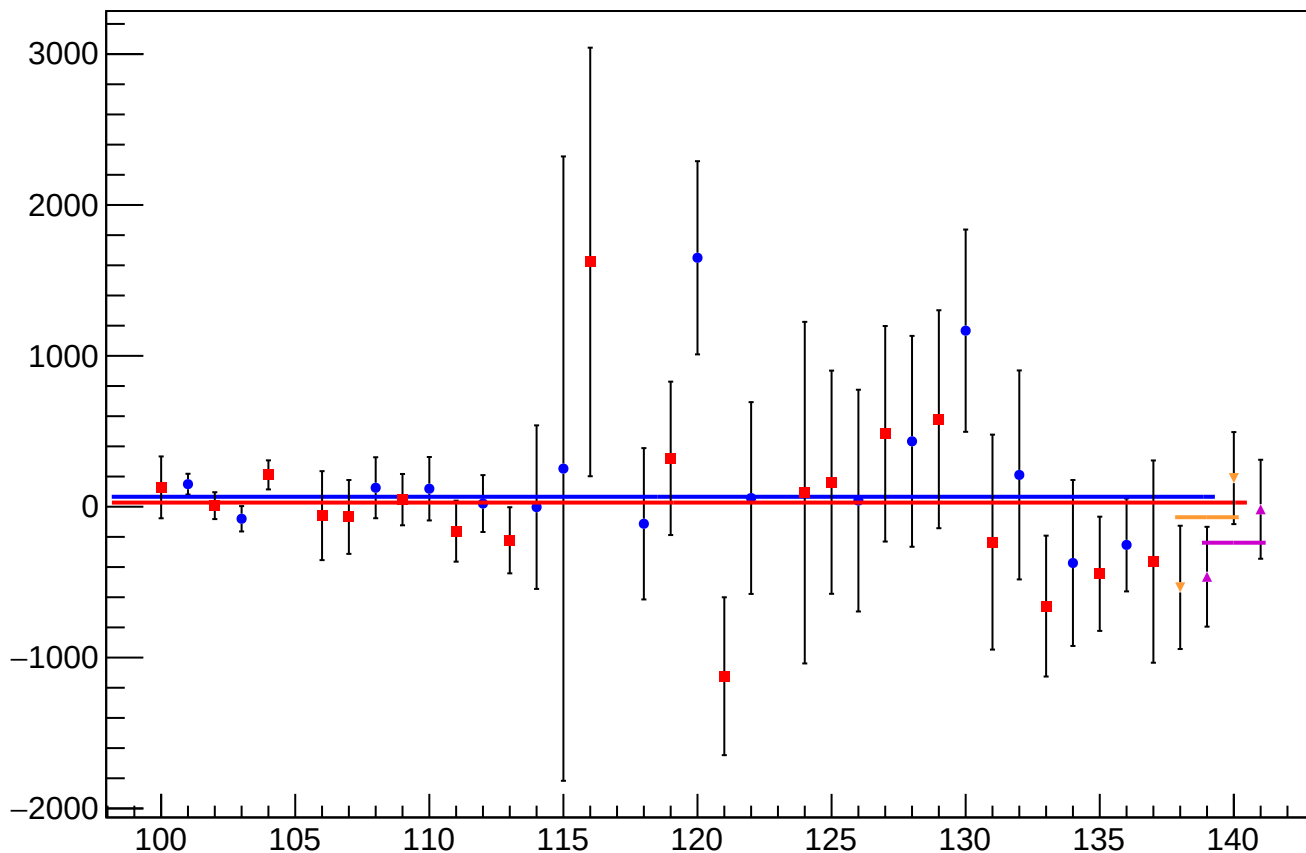
Left In: 56.250 $\pm$ 0.030 χ^2 /NDF: 72.6/1

+ sign 54.678 $\pm$ 0.013 χ^2 /NDF: 411926.6/17

All: 54.057 $\pm$ 0.009 χ^2 /NDF: 851994.7/38

- sign 53.481 $\pm$ 0.013 χ^2 /NDF: 435793.4/20

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

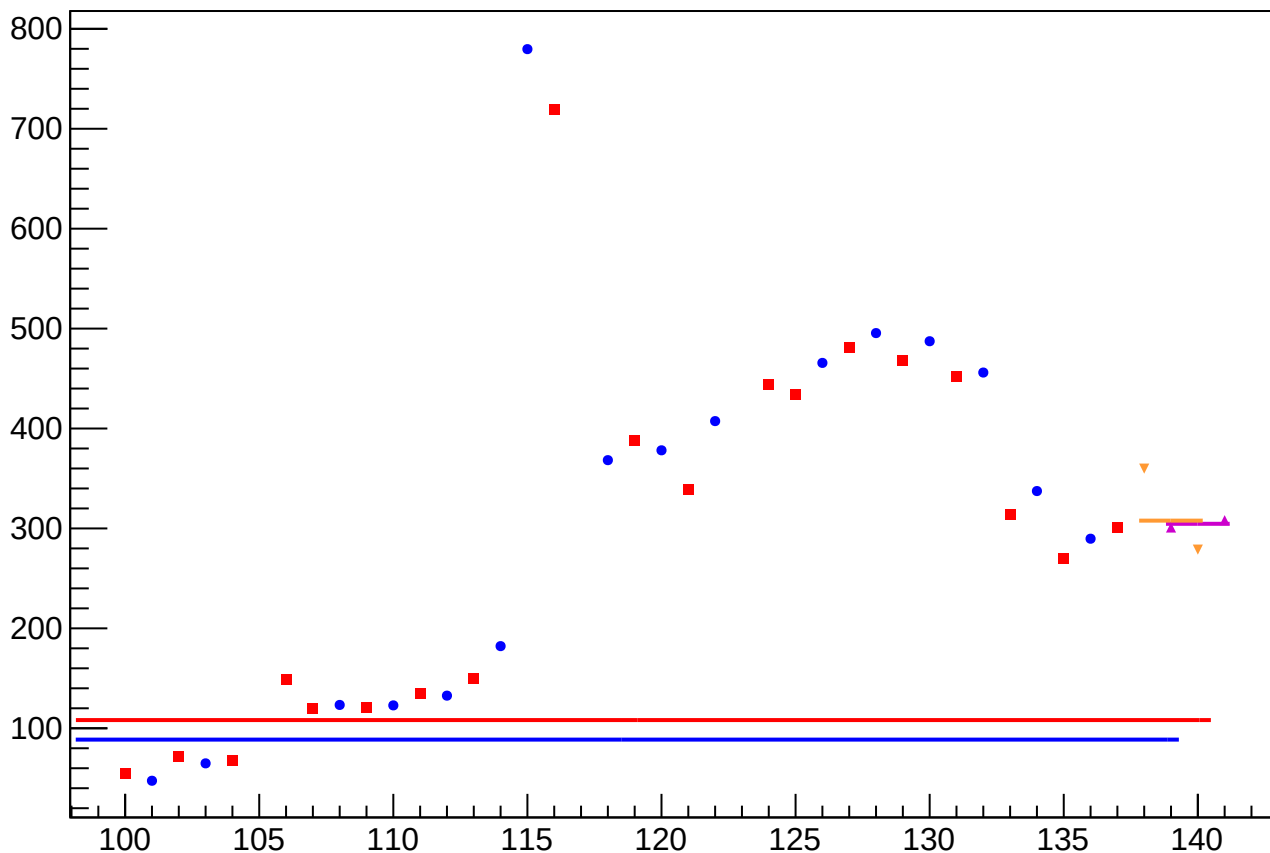
Left In: -238.644 $\pm$ 232.948 χ^2 /NDF:0.9/1

+ sign 61.130 $\pm$ 45.659 χ^2 /NDF: 18.0/17

All: 40.014 $\pm$ 33.442 χ^2 /NDF: 38.7/38

- sign 15.577 $\pm$ 49.119 χ^2 /NDF: 20.2/20

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF : 50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

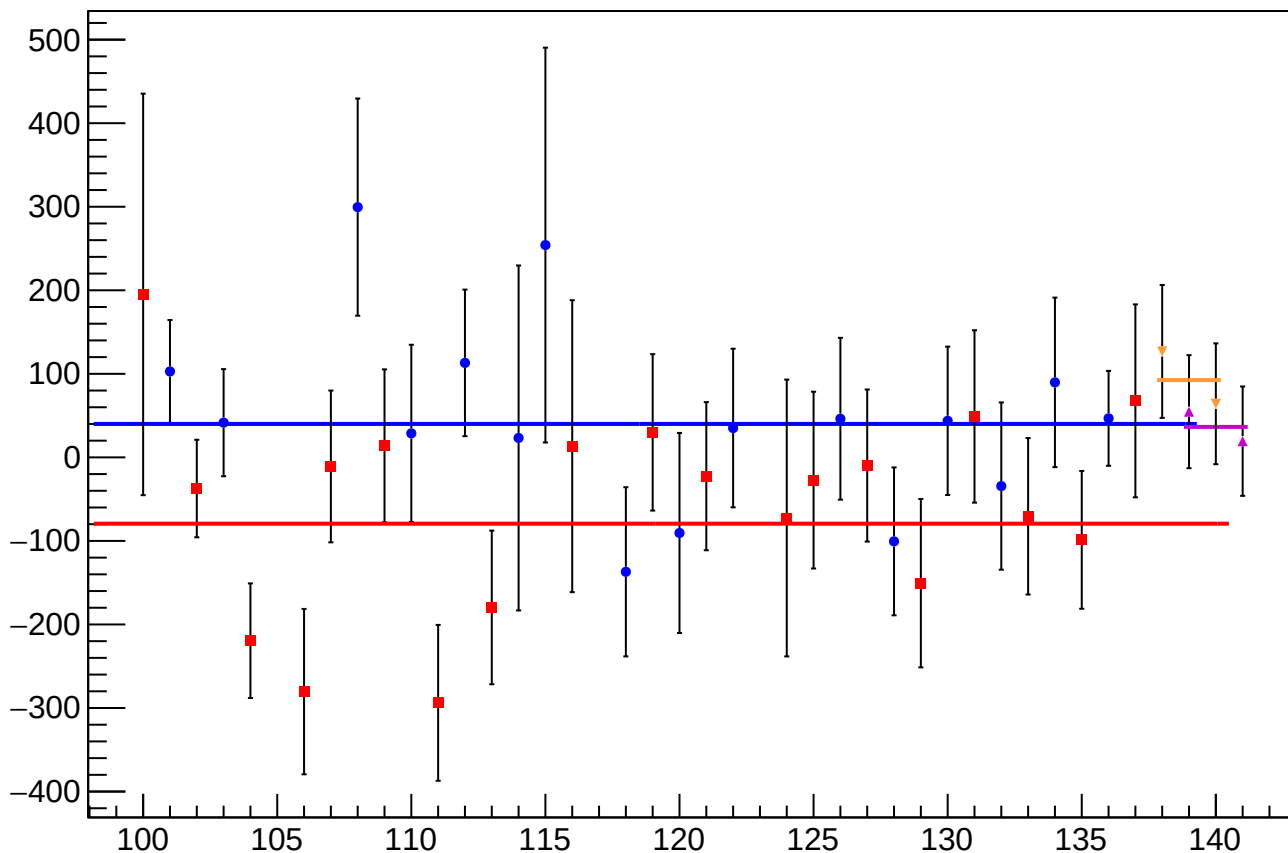
Left In: 304.636+/-0.165 χ^2/NDF : 498.4/1

+ sign 96.303+/-0.032 χ^2/NDF : 8250436.0/17

All: 105.869+/-0.024 χ^2/NDF : 15154042.4/38

- sign 116.940+/-0.035 χ^2/NDF : 6714214.1/20

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

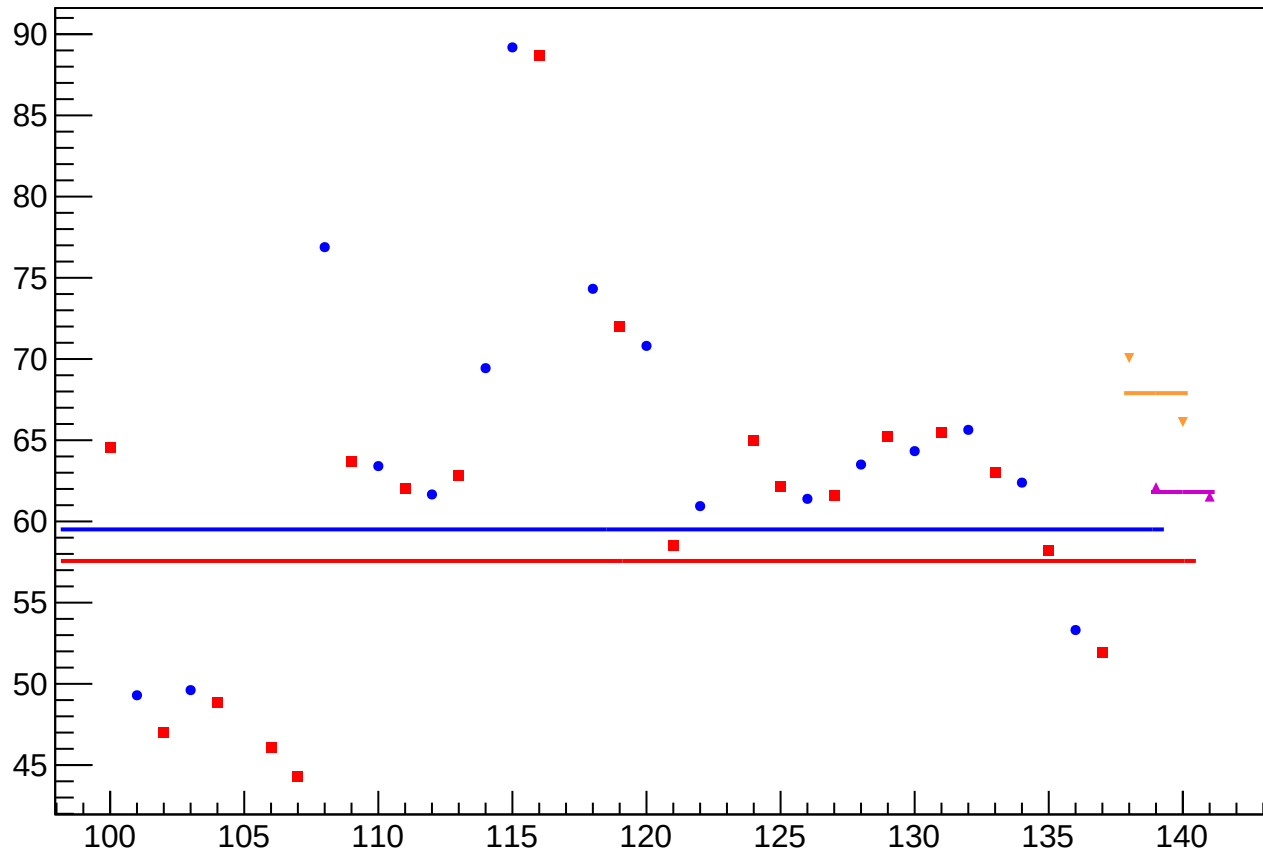
Left In: 36.479 $\pm$ 47.039 χ^2 /NDF: 0.1/1

+ sign 47.916 $\pm$ 20.753 χ^2 /NDF: 15.3/17

All: -8.688 $\pm$ 14.254 χ^2 /NDF: 59.3/38

- sign -59.238 $\pm$ 19.612 χ^2 /NDF: 30.0/20

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2 /NDF: 283192.7/15

Left Out: 67.900+/-0.038 χ^2 /NDF: 2683.3/1

Right Out: 57.567+/-0.015 χ^2 /NDF: 347377.8/18

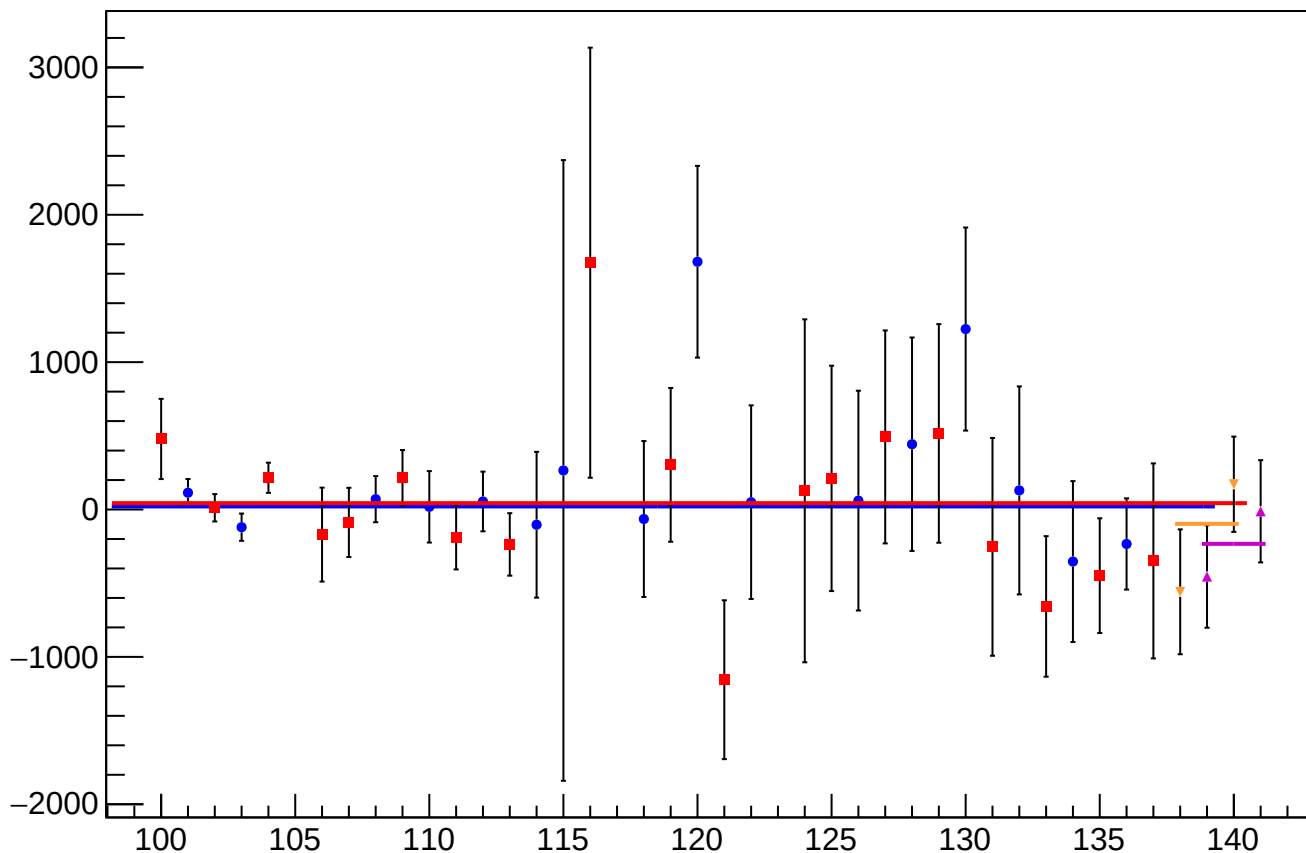
Left In: 61.812+/-0.033 χ^2 /NDF: 75.7/1

+ sign 60.770+/-0.015 χ^2 /NDF: 327646.5/17

All: 59.468+/-0.010 χ^2 /NDF: 703467.9/38

- sign 58.305+/-0.014 χ^2 /NDF: 360908.5/20

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

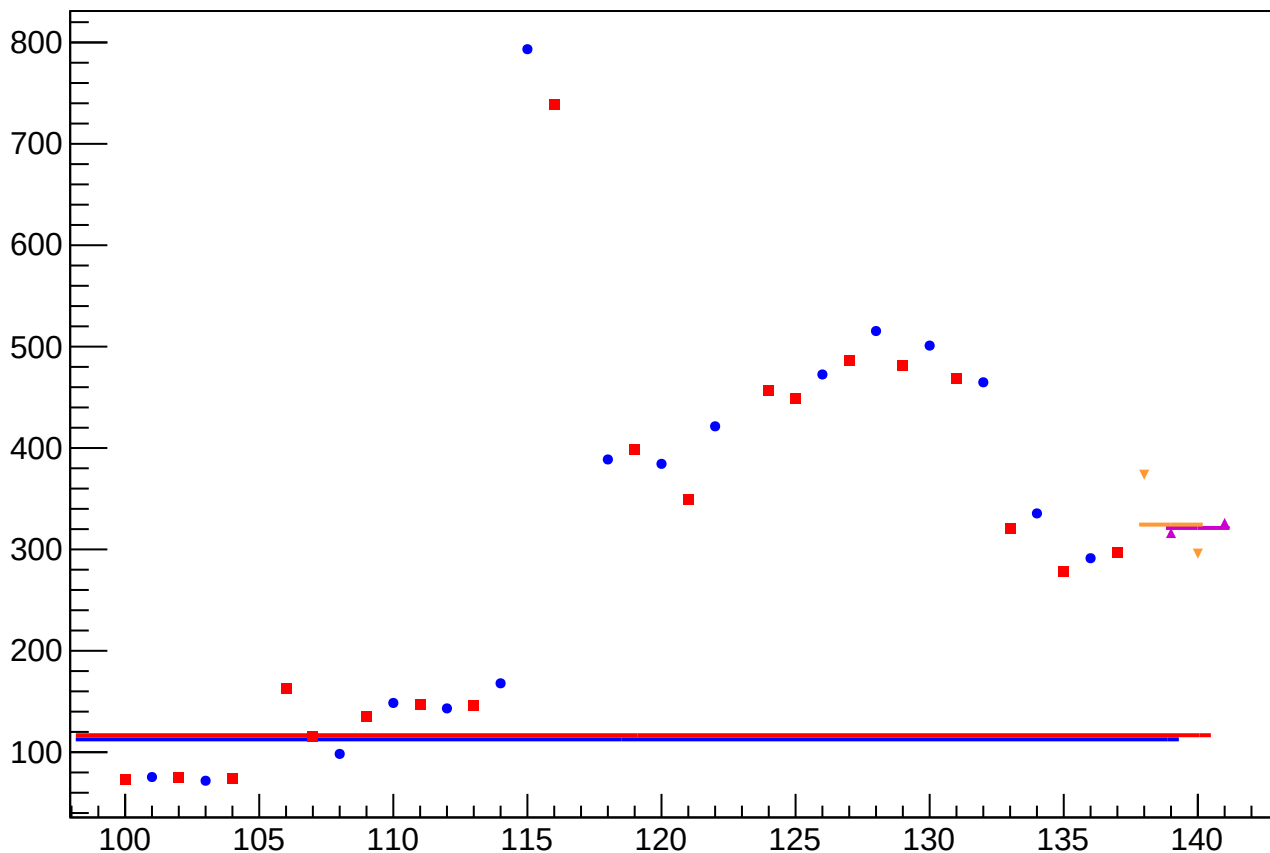
Left In: -233.051 $\pm$ 245.503 χ^2 /NDF:0.8/1

+ sign 15.925 $\pm$ 52.457 χ^2 /NDF: 16.7/17

All: 23.460 $\pm$ 36.931 χ^2 /NDF: 40.3/38

- sign 30.864 $\pm$ 52.003 χ^2 /NDF: 23.5/20

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF : 5599655.1/15

Left Out: 324.460+/-0.182 χ^2/NDF : 42662.7/1

Right Out: 116.733+/-0.038 χ^2/NDF : 5141387.7/18

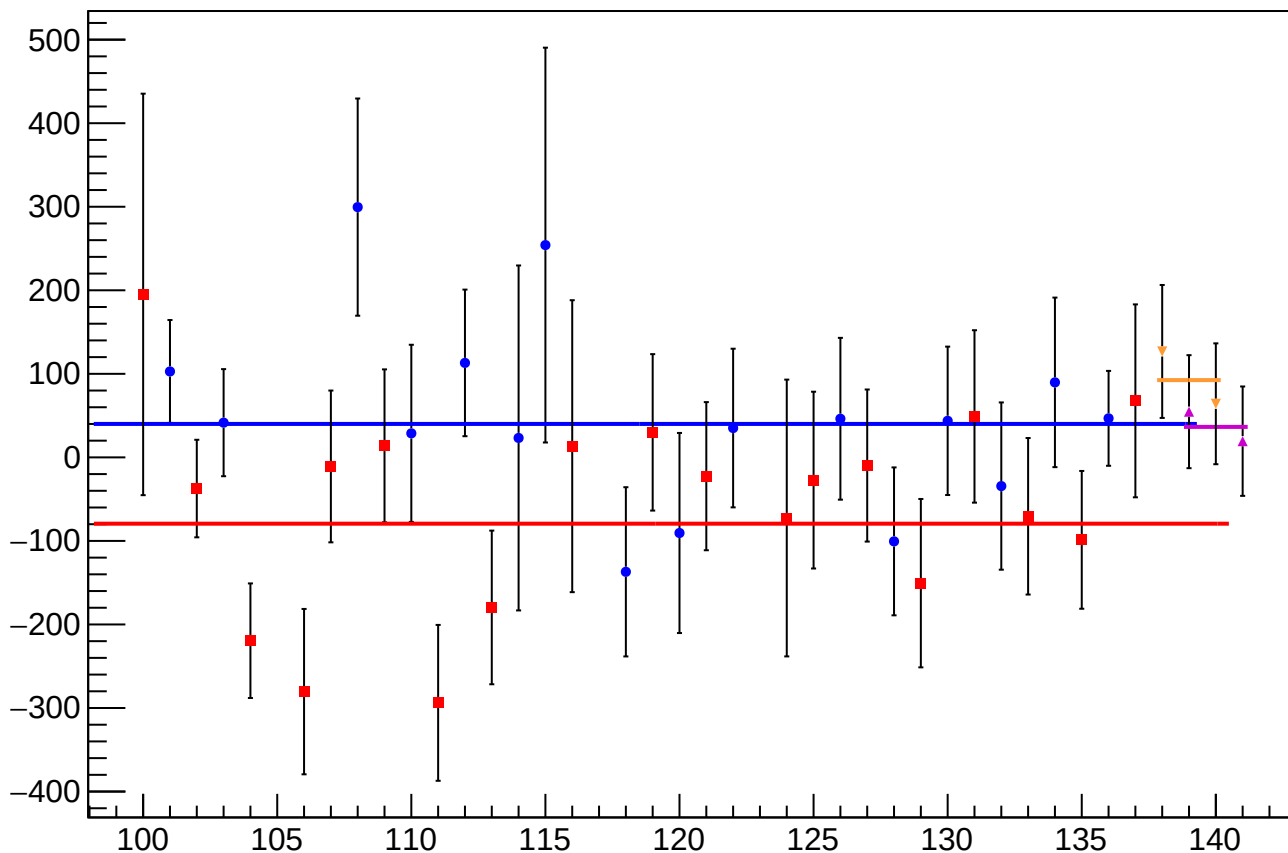
Left In: 321.172+/-0.174 χ^2/NDF : 821.7/1

+ sign 121.491+/-0.037 χ^2/NDF : 6943811.4/17

All: 123.717+/-0.026 χ^2/NDF : 13417843.2/38

- sign 125.906+/-0.037 χ^2/NDF : 6466886.9/20

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 ± 22.515 χ^2/NDF : 14.1/15

Left Out: 92.485 ± 53.523 χ^2/NDF : 0.3/1

Right Out: -79.378 ± 21.577 χ^2/NDF : 24.8/18

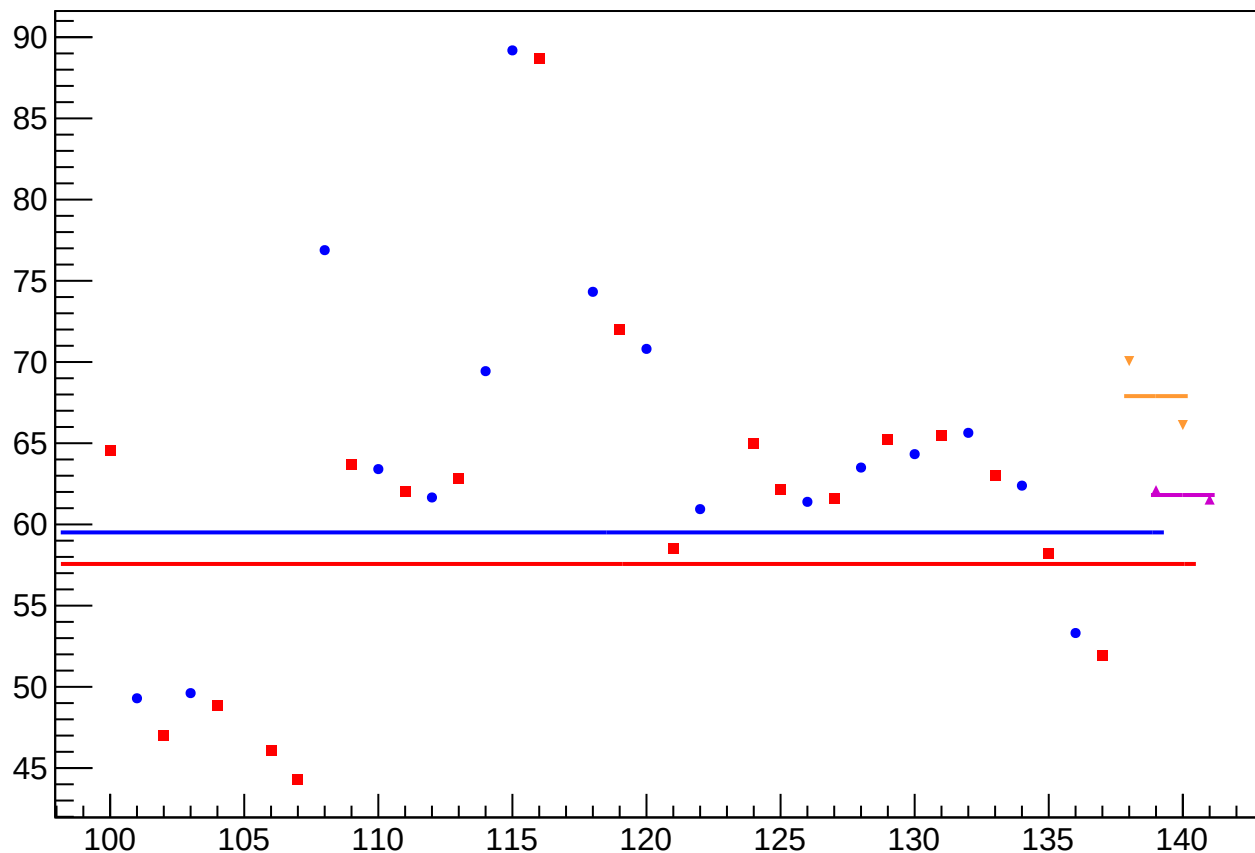
Left In: 36.478 ± 47.039 χ^2/NDF : 0.1/1

+ sign 47.916 ± 20.753 χ^2/NDF : 15.3/17

All: -8.688 ± 14.254 χ^2/NDF : 59.3/38

- sign -59.238 ± 19.612 χ^2/NDF : 30.0/20

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509 $\pm$ 0.016 χ^2 /NDF: 283190.4/15

Left Out: 67.901 $\pm$ 0.038 χ^2 /NDF: 2683.3/1

Right Out: 57.567 $\pm$ 0.015 χ^2 /NDF: 347374.2/18

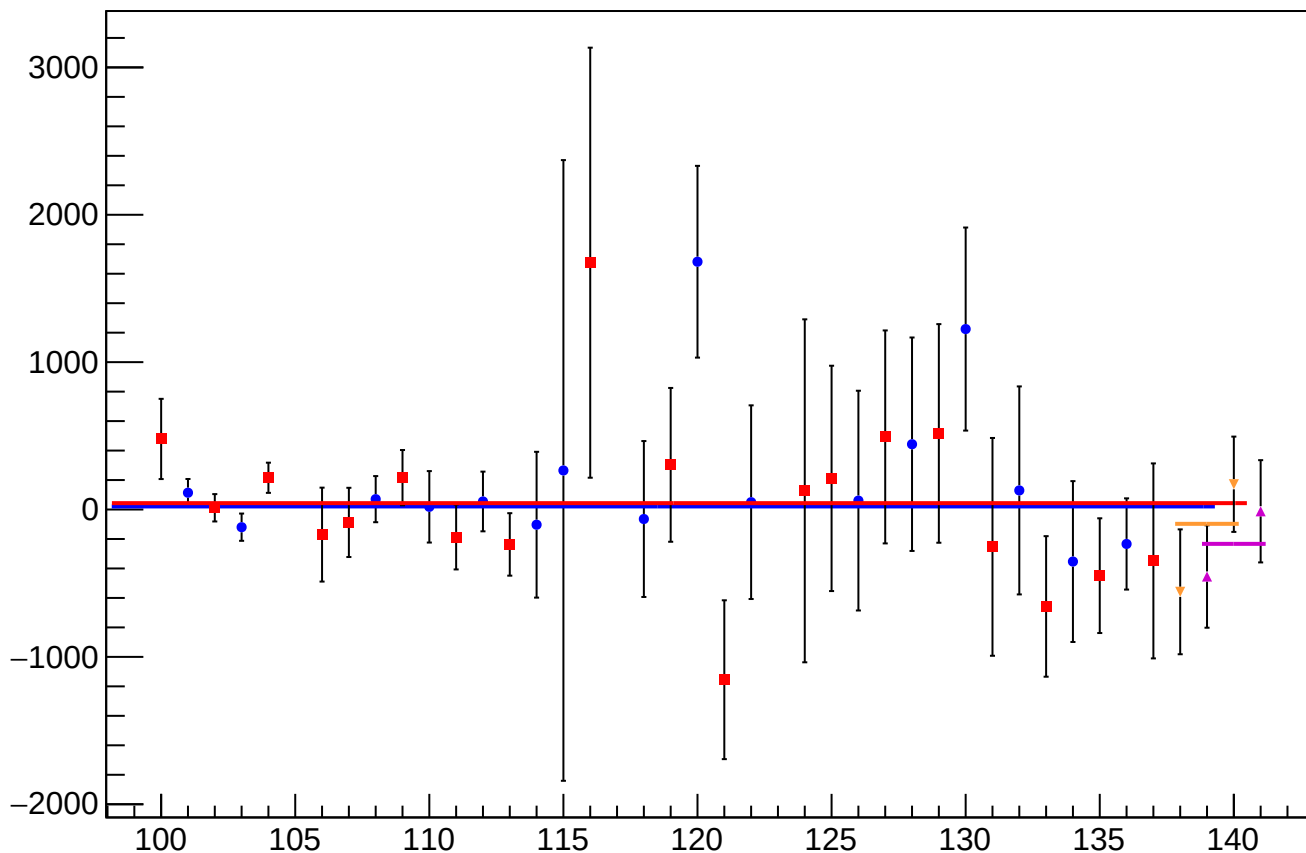
Left In: 61.812 $\pm$ 0.033 χ^2 /NDF: 75.7/1

+ sign 60.770 $\pm$ 0.015 χ^2 /NDF: 327649.5/17

All: 59.468 $\pm$ 0.010 χ^2 /NDF: 703470.3/38

- sign 58.305 $\pm$ 0.014 χ^2 /NDF: 360908.2/20

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

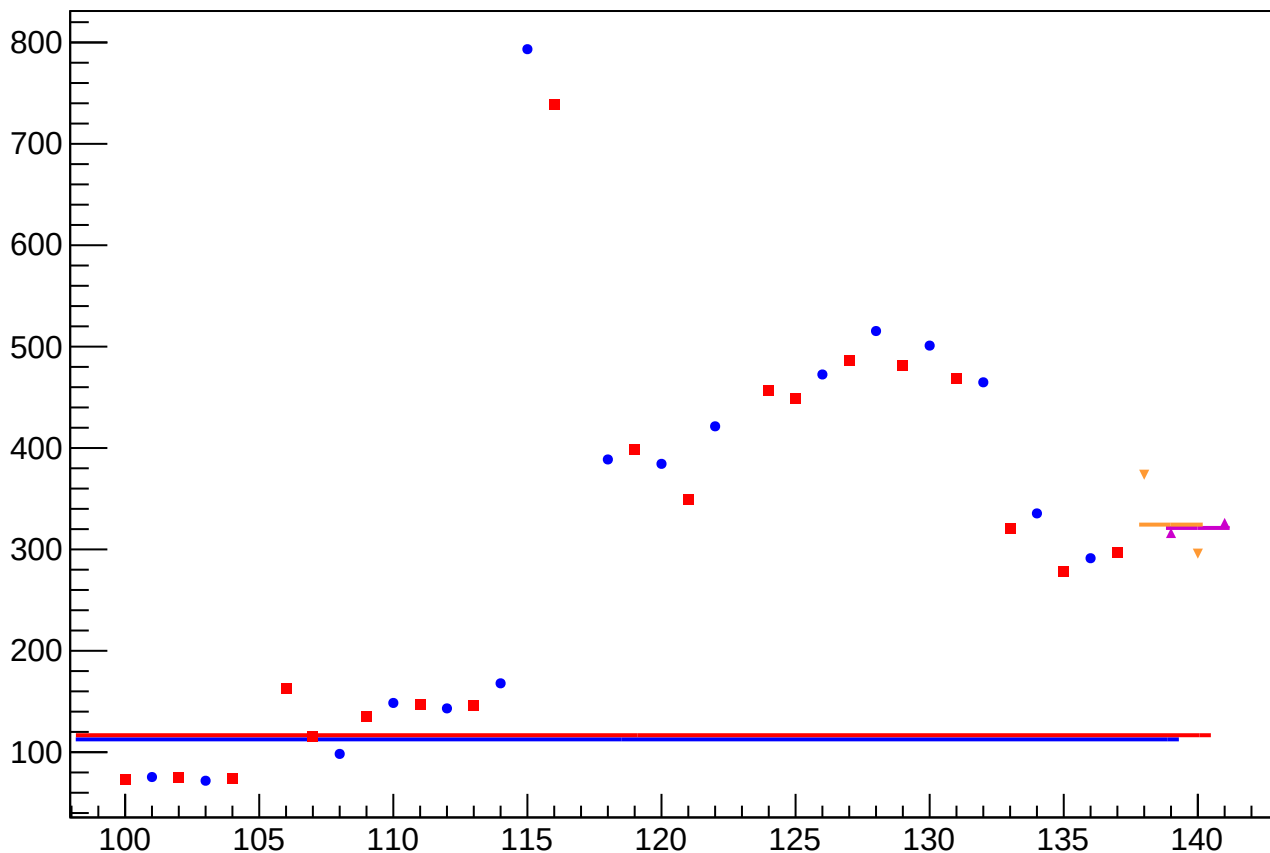
Left In: -233.052 $\pm$ 245.504 χ^2 /NDF:0.8/1

+ sign 15.925 $\pm$ 52.457 χ^2 /NDF: 16.7/17

All: 23.459 $\pm$ 36.931 χ^2 /NDF: 40.3/38

- sign 30.864 $\pm$ 52.003 χ^2 /NDF: 23.5/20

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF : 5599653.6/15

Left Out: 324.462+/-0.182 χ^2/NDF : 42663.0/1

Right Out: 116.732+/-0.038 χ^2/NDF : 5141390.3/18

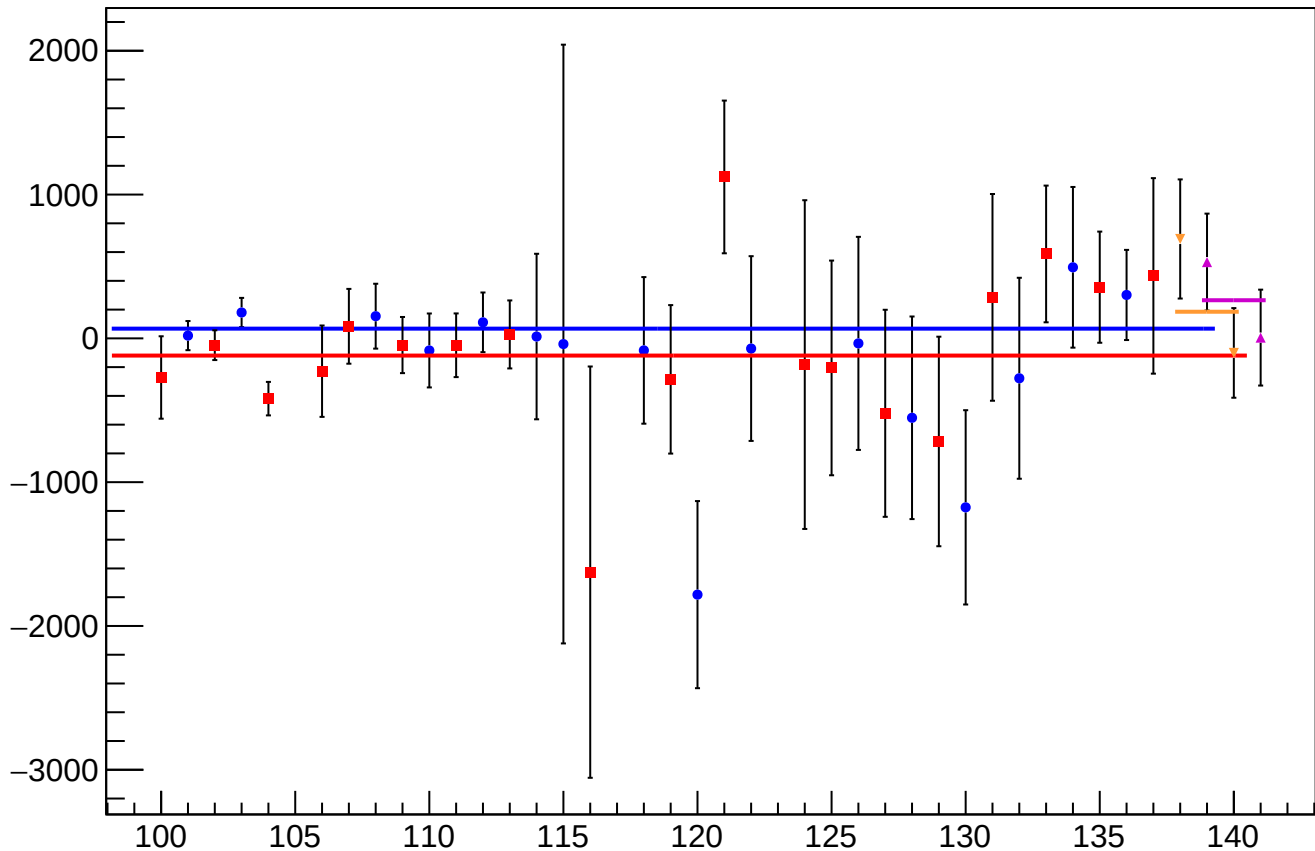
Left In: 321.174+/-0.174 χ^2/NDF : 821.8/1

+ sign 121.490+/-0.037 χ^2/NDF : 6943821.0/17

All: 123.717+/-0.026 χ^2/NDF : 13417866.3/38

- sign 125.905+/-0.037 χ^2/NDF : 6466900.6/20

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF : 15.8/15

Left Out: 185.186+/-249.055 χ^2/NDF : 2.3/1

Right Out: -119.635+/-57.941 χ^2/NDF : 21.1/18

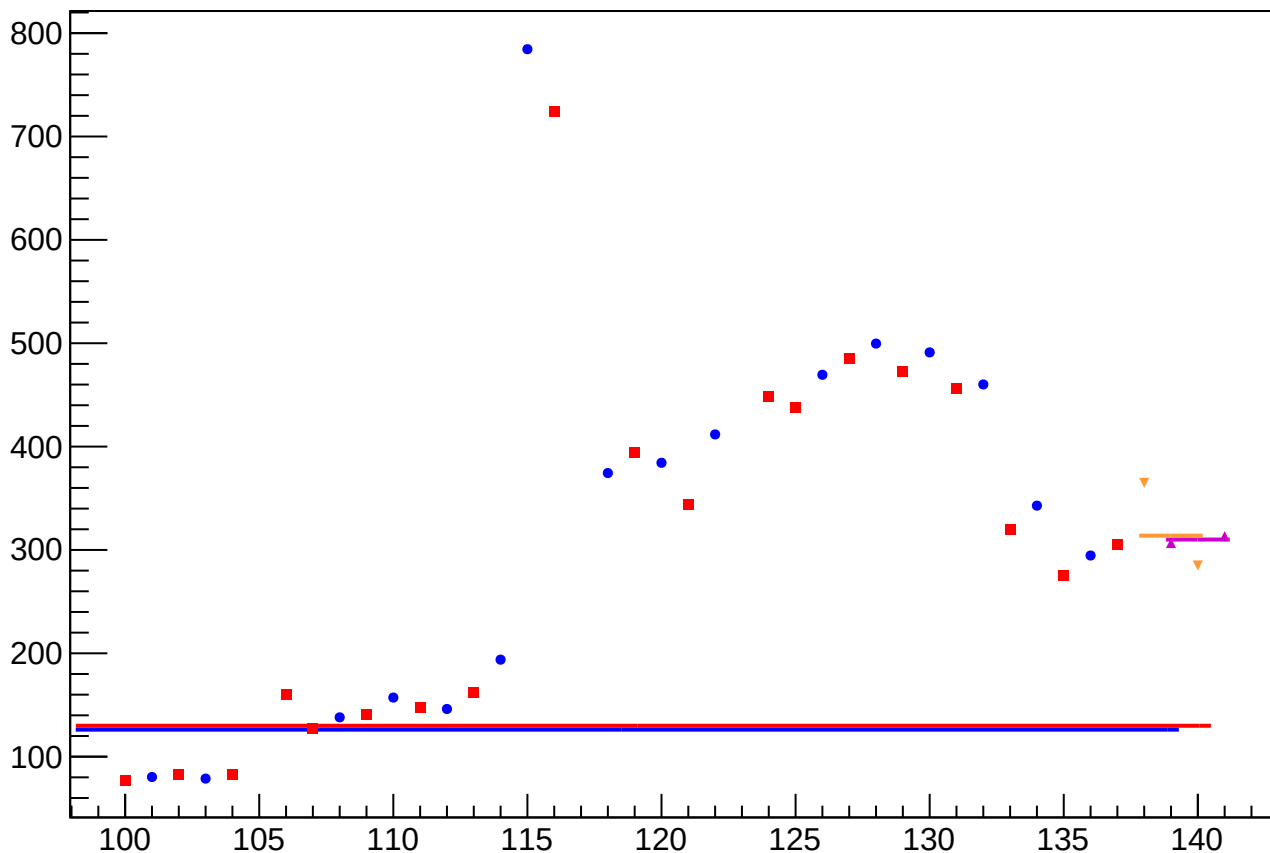
Left In: 265.202+/-237.009 χ^2/NDF : 1.2/1

+ sign 73.902+/-57.567 χ^2/NDF : 18.3/17

All: -13.951+/-40.245 χ^2/NDF : 47.7/38

- sign -97.932+/-56.284 χ^2/NDF : 24.8/20

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF : 5220128.2/15

Left Out: 313.858+/-0.176 χ^2/NDF : 47577.4/1

Right Out: 129.914+/-0.041 χ^2/NDF : 4647677.8/18

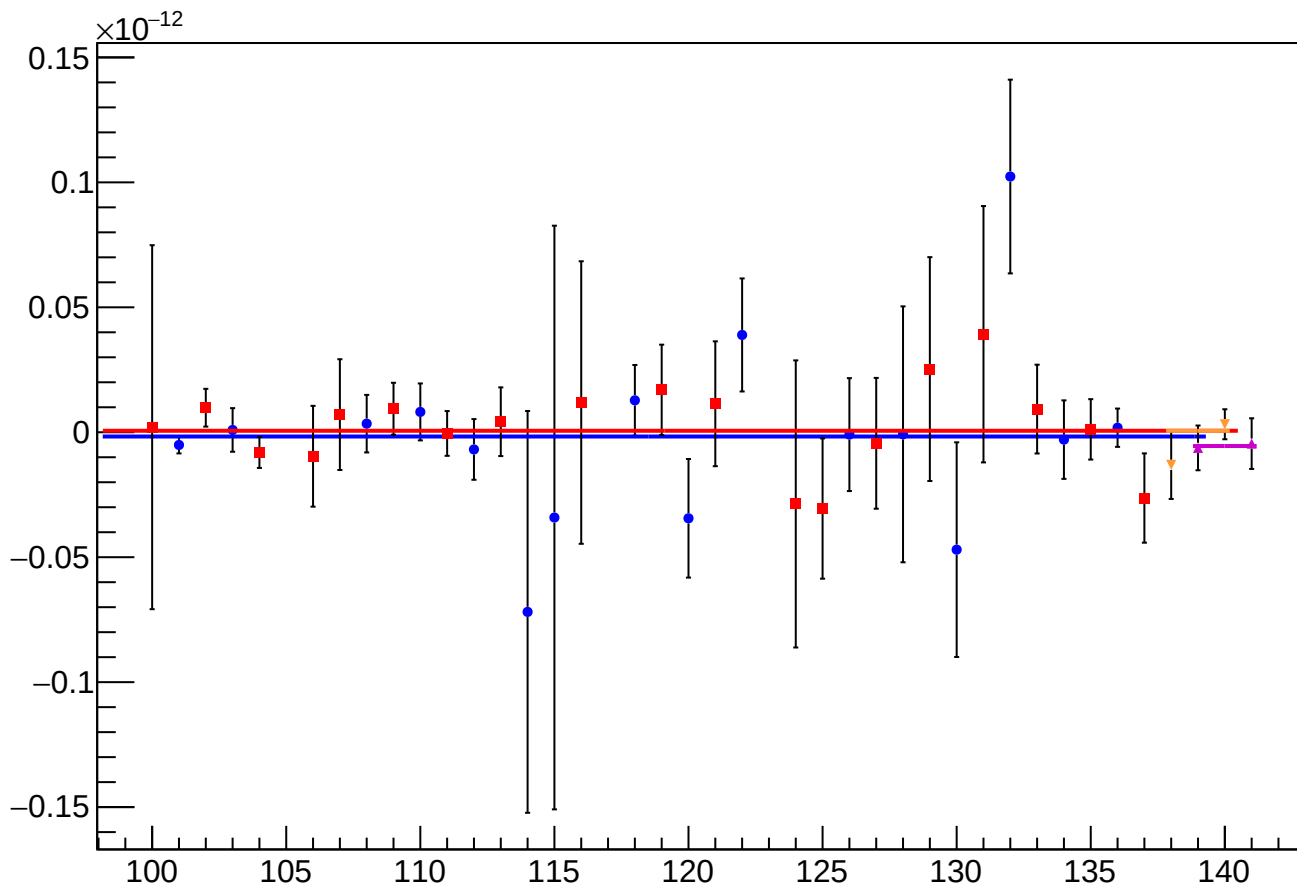
Left In: 310.070+/-0.168 χ^2/NDF : 396.7/1

+ sign 136.182+/-0.041 χ^2/NDF : 6343032.7/17

All: 138.172+/-0.028 χ^2/NDF : 12086177.0/38

- sign 140.074+/-0.040 χ^2/NDF : 5738470.2/20

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 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

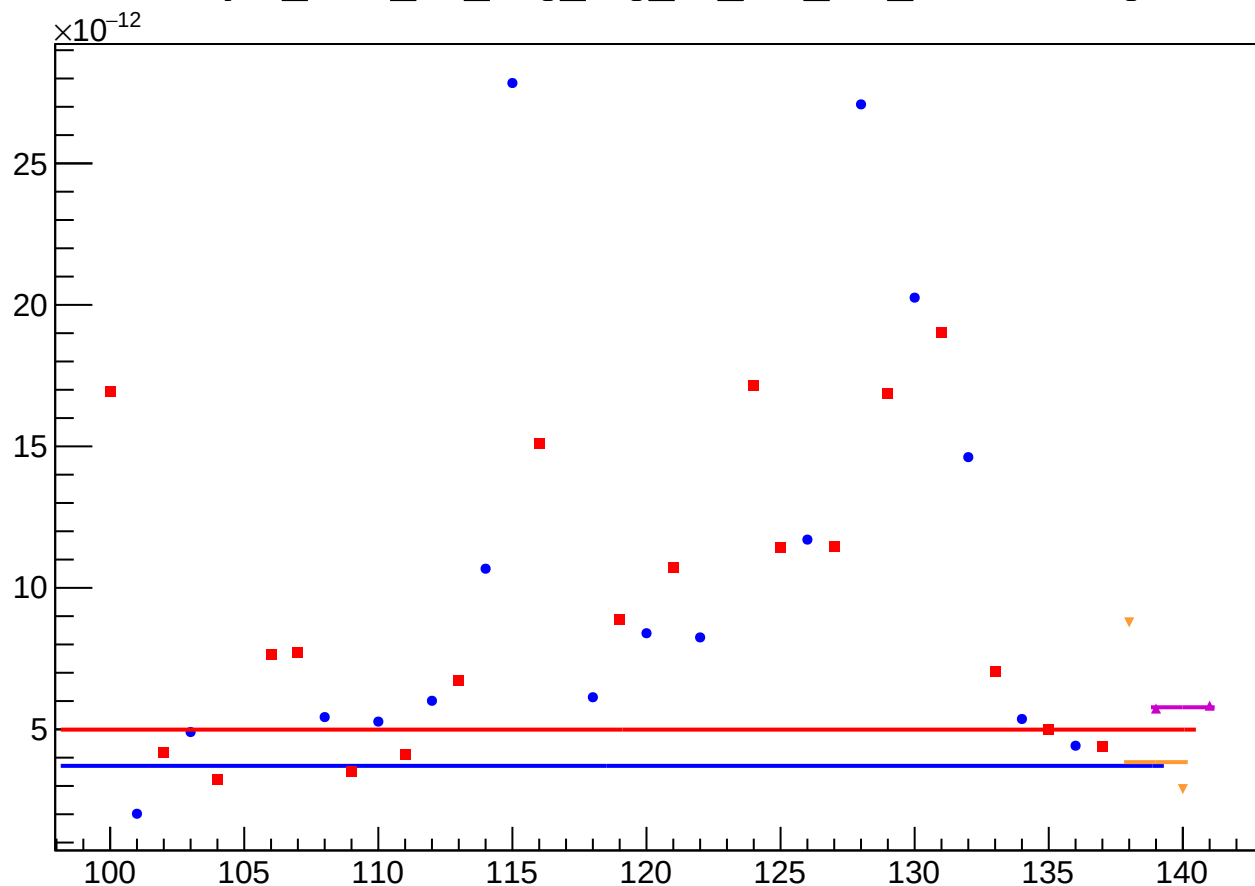
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 11.2/20

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

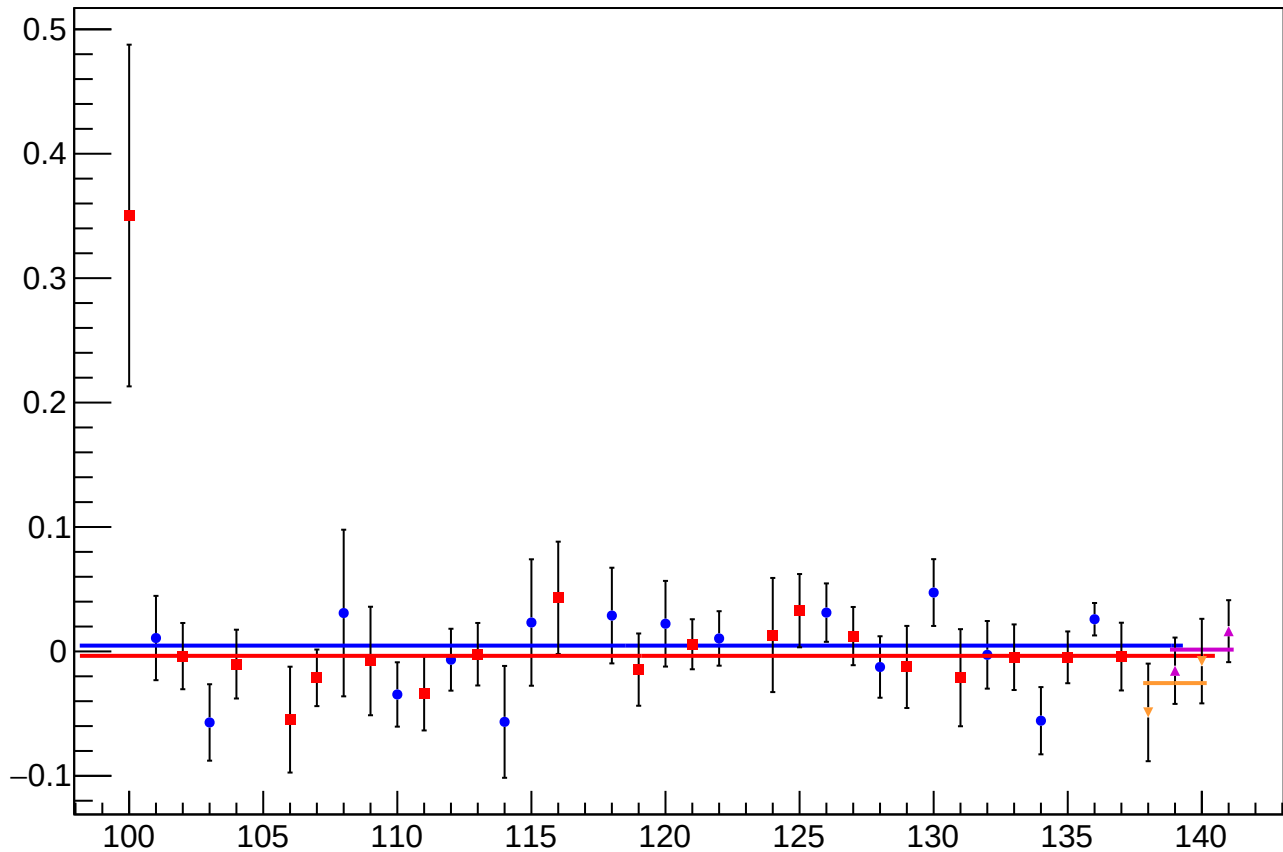
Left In: 0.000+/-0.000 χ^2/NDF :114.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2485657.7/17

All: 0.000+/-0.000 χ^2/NDF : 4092526.6/38

- sign 0.000+/-0.000 χ^2/NDF : 1318033.7/20

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 χ^2/NDF : 21.5/15

Left Out: -0.025 ± 0.026 χ^2/NDF : 0.6/1

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

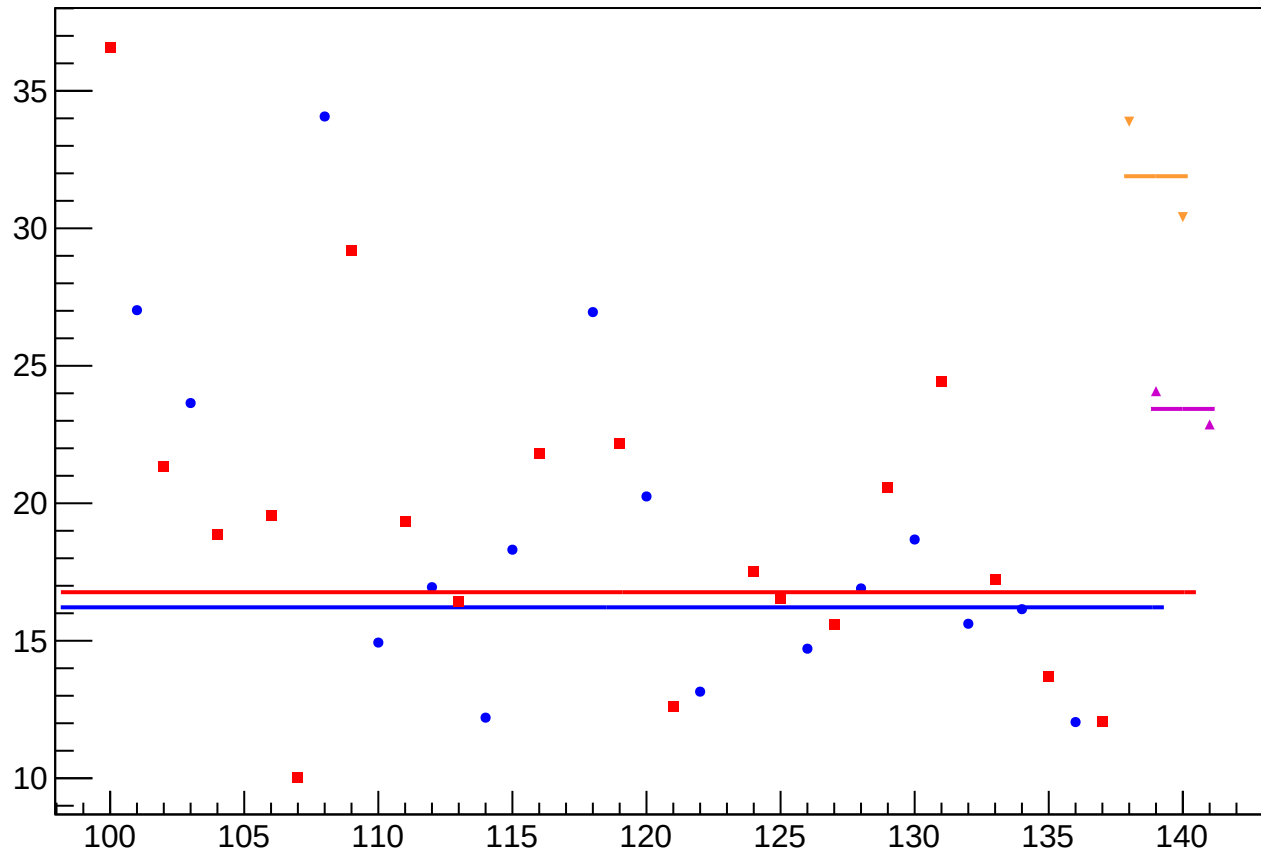
Left In: 0.001 ± 0.018 χ^2/NDF : 0.8/1

+ sign 0.003 ± 0.006 χ^2/NDF : 23.4/17

All: -0.000 ± 0.004 χ^2/NDF : 38.2/38

- sign -0.003 ± 0.006 χ^2/NDF : 14.4/20

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217 $\pm$ 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

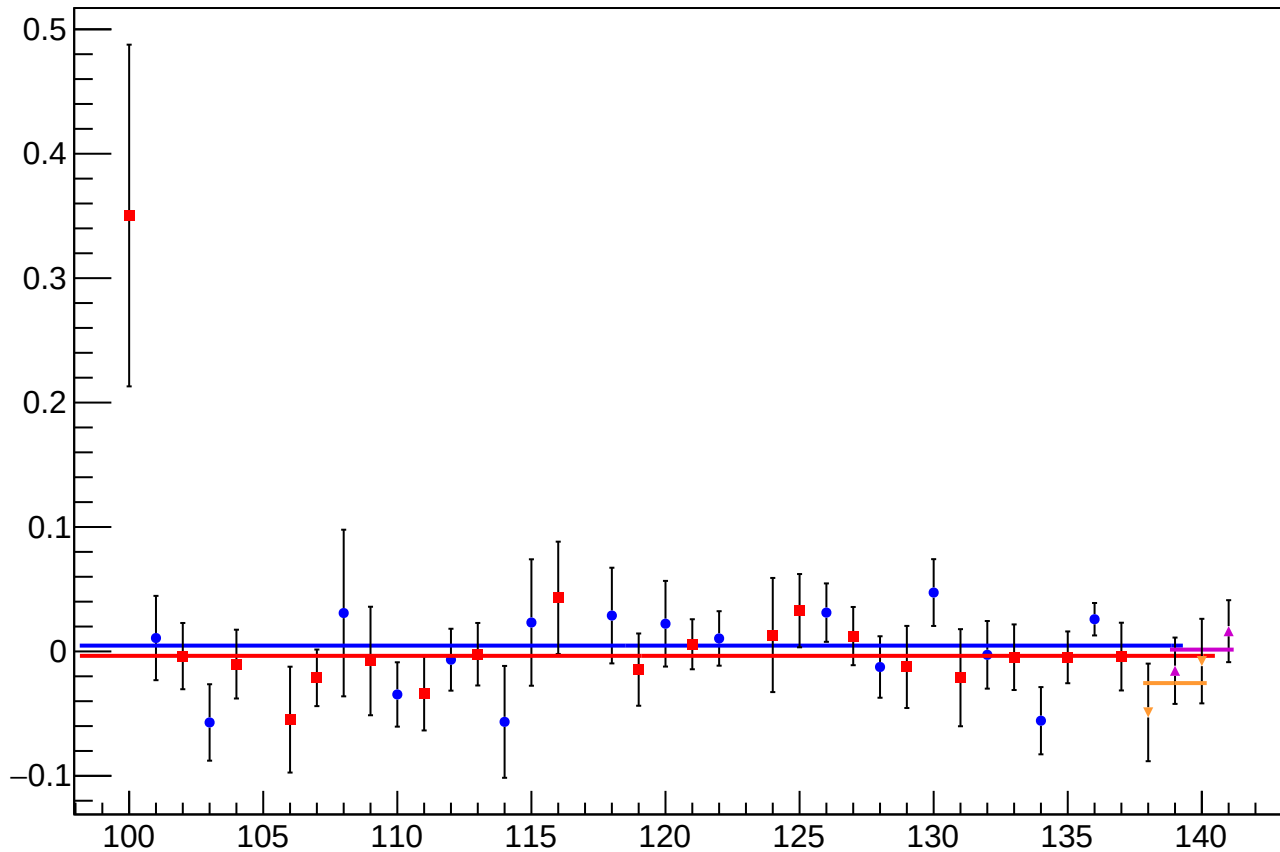
Left In: 23.433 $\pm$ 0.013 χ^2 /NDF: 2199.4/1

+ sign 17.179 $\pm$ 0.004 χ^2 /NDF: 1652748.6/17

All: 17.366 $\pm$ 0.003 χ^2 /NDF: 2761996.4/38

- sign 17.546 $\pm$ 0.004 χ^2 /NDF: 1105832.4/20

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 χ^2/NDF : 21.5/15

Left Out: -0.025 ± 0.026 χ^2/NDF : 0.6/1

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

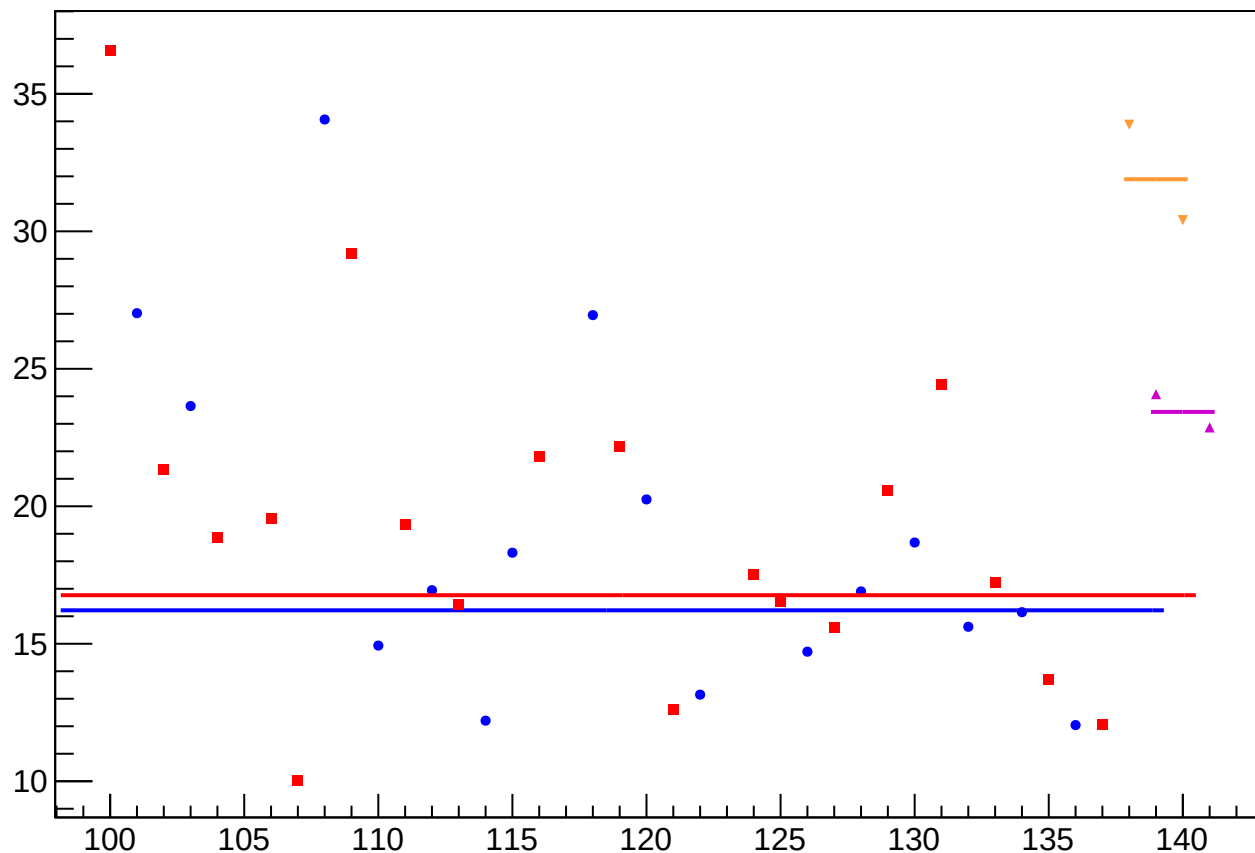
Left In: 0.001 ± 0.018 χ^2/NDF : 0.8/1

+ sign 0.003 ± 0.006 χ^2/NDF : 23.4/17

All: -0.000 ± 0.004 χ^2/NDF : 38.2/38

- sign -0.003 ± 0.006 χ^2/NDF : 14.4/20

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

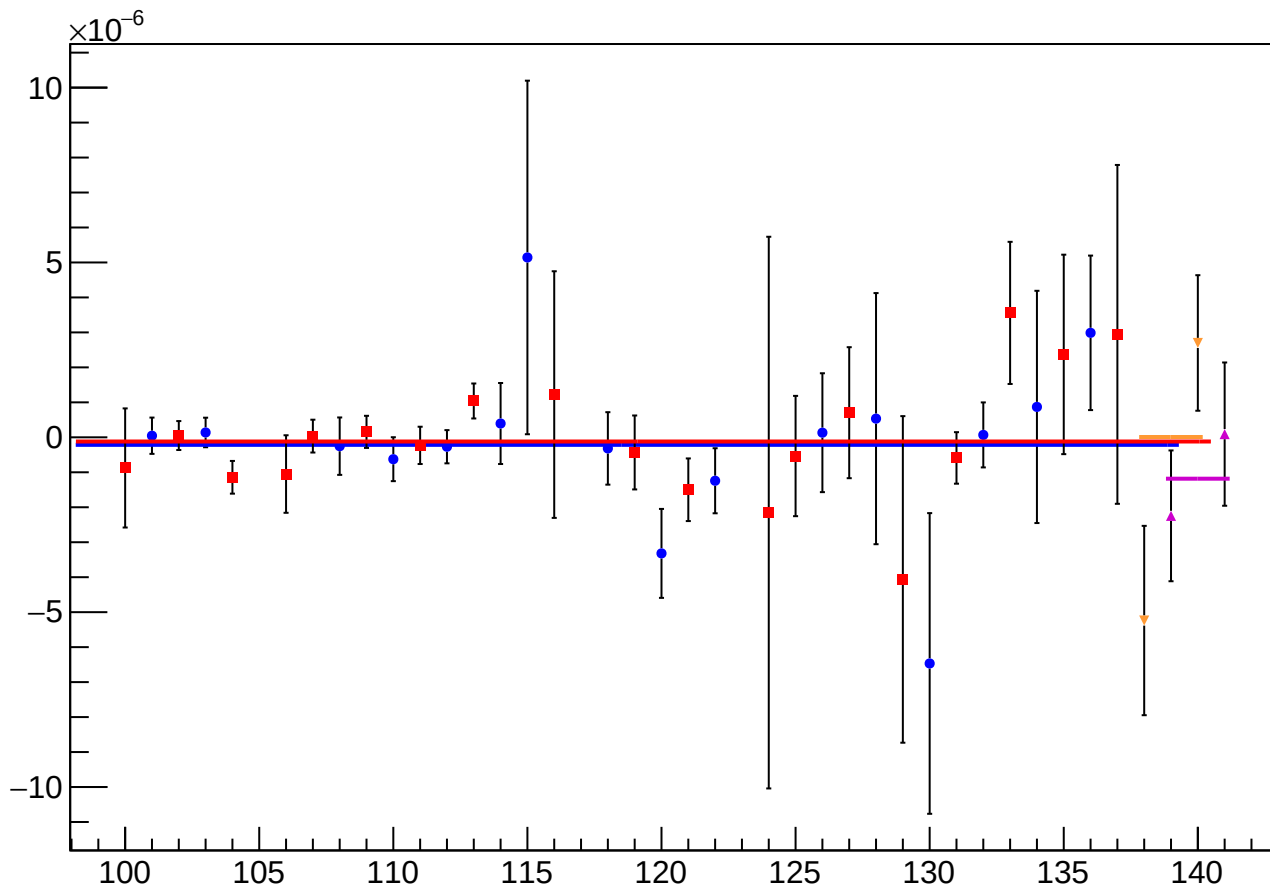
Left In: 23.433 $\pm$ 0.013 χ^2/NDF : 2199.4/1

+ sign 17.179 $\pm$ 0.004 χ^2/NDF : 1652748.6/17

All: 17.366 $\pm$ 0.003 χ^2/NDF : 2761996.4/38

- sign 17.546 $\pm$ 0.004 χ^2/NDF : 1105832.4/20

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

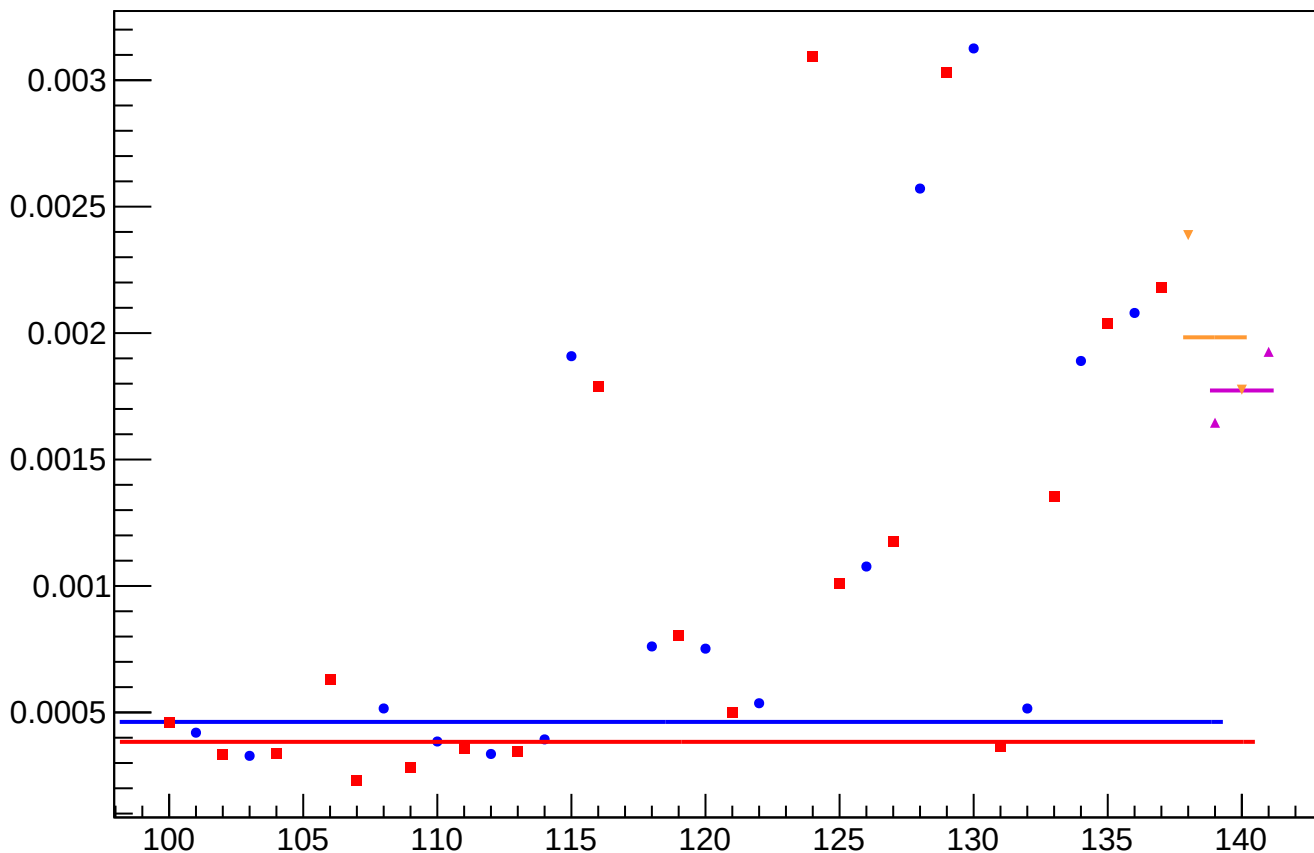
Left In: -0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.2/17

All: -0.000 ± 0.000 χ^2/NDF : 41.8/38

- sign -0.000 ± 0.000 χ^2/NDF : 21.5/20

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

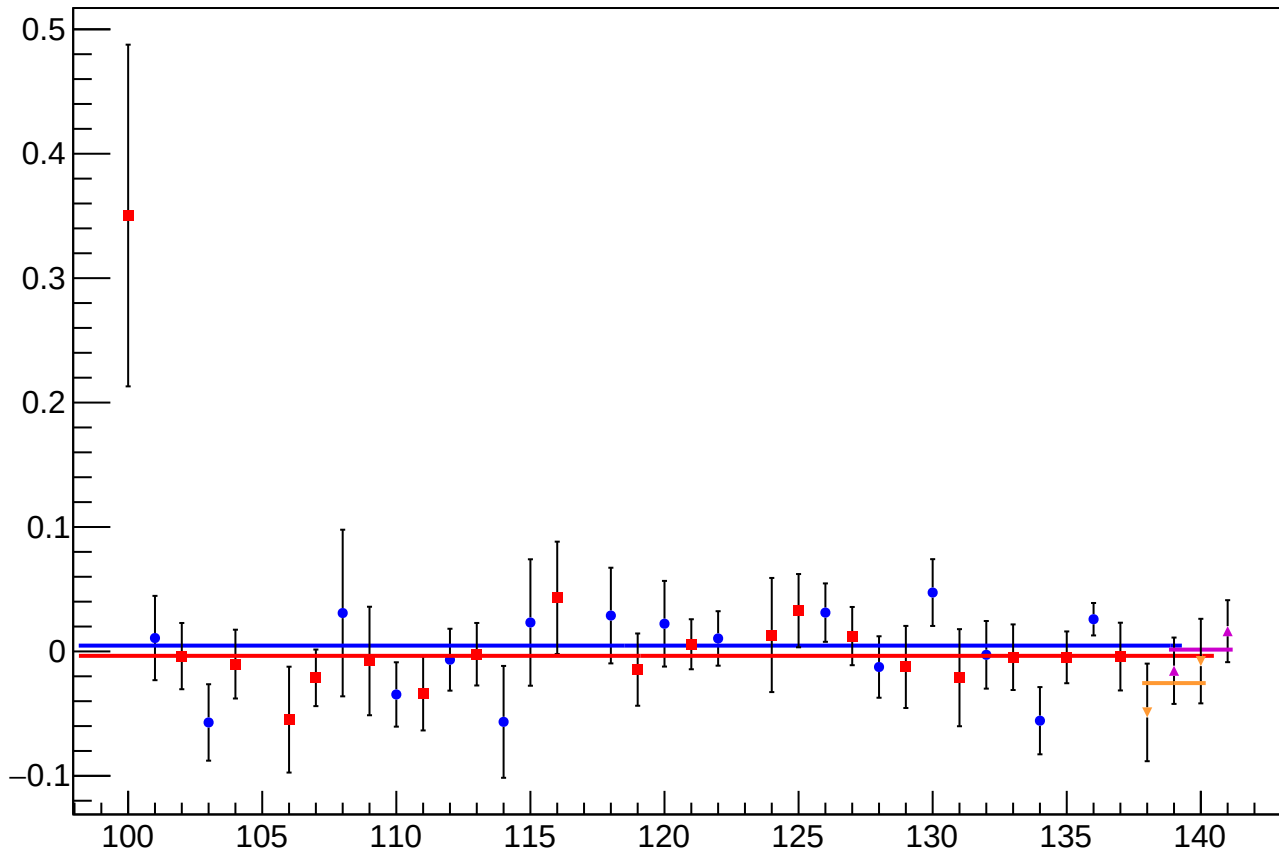
Left In: 0.002+/-0.000 χ^2/NDF :20430.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 5914123.9/17

All: 0.000+/-0.000 χ^2/NDF : 12179982.0/38

- sign 0.000+/-0.000 χ^2/NDF : 6071735.4/20

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

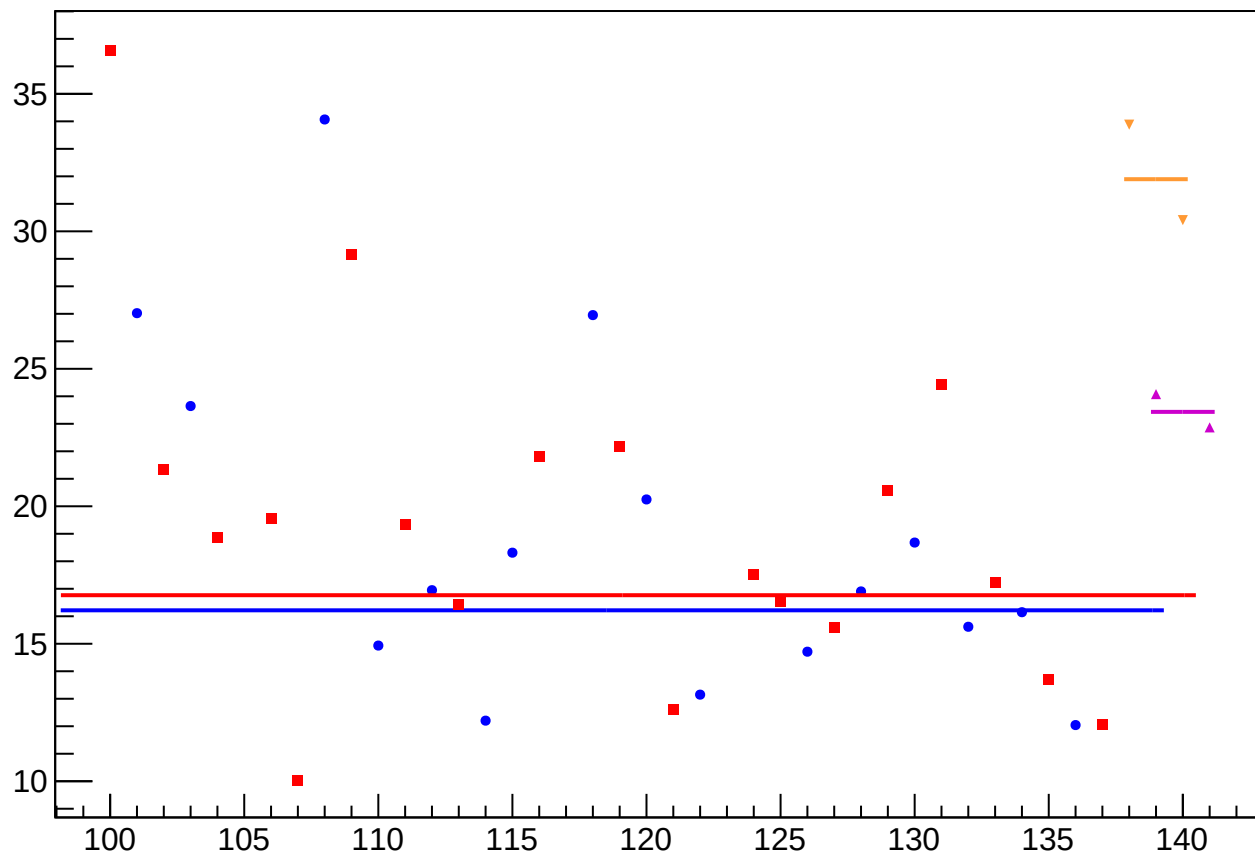
Left In: 0.001 ± 0.018 χ^2/NDF : 0.8/1

+ sign 0.003 ± 0.006 χ^2/NDF : 23.4/17

All: -0.000 ± 0.004 χ^2/NDF : 38.2/38

- sign -0.003 ± 0.006 χ^2/NDF : 14.4/20

asym_sam_15_avg_eigen_dit_vs_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

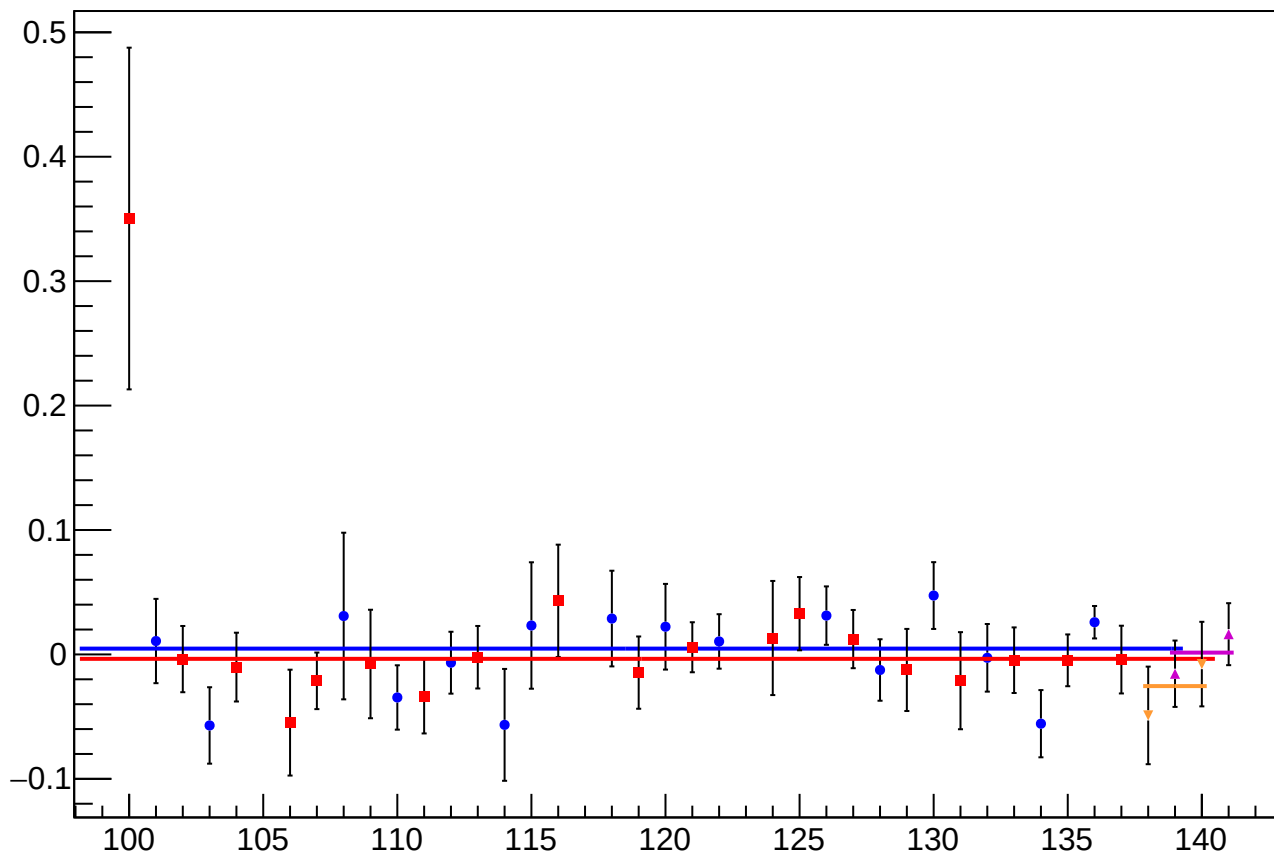
Left In: 23.434 $\pm$ 0.013 χ^2 /NDF: 2198.8/1

+ sign 17.178 $\pm$ 0.004 χ^2 /NDF: 1652788.3/17

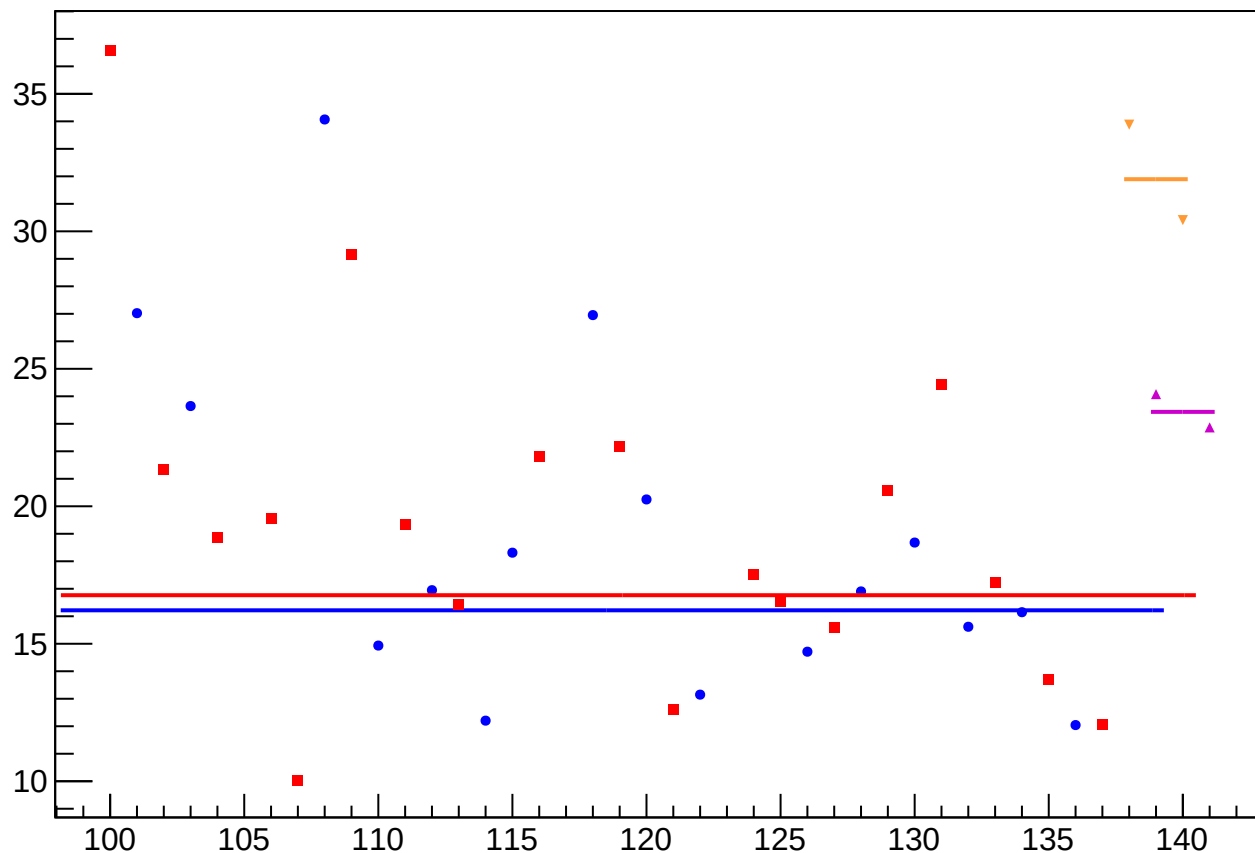
All: 17.366 $\pm$ 0.003 χ^2 /NDF: 2762100.1/38

- sign 17.546 $\pm$ 0.004 χ^2 /NDF: 1105895.7/20

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

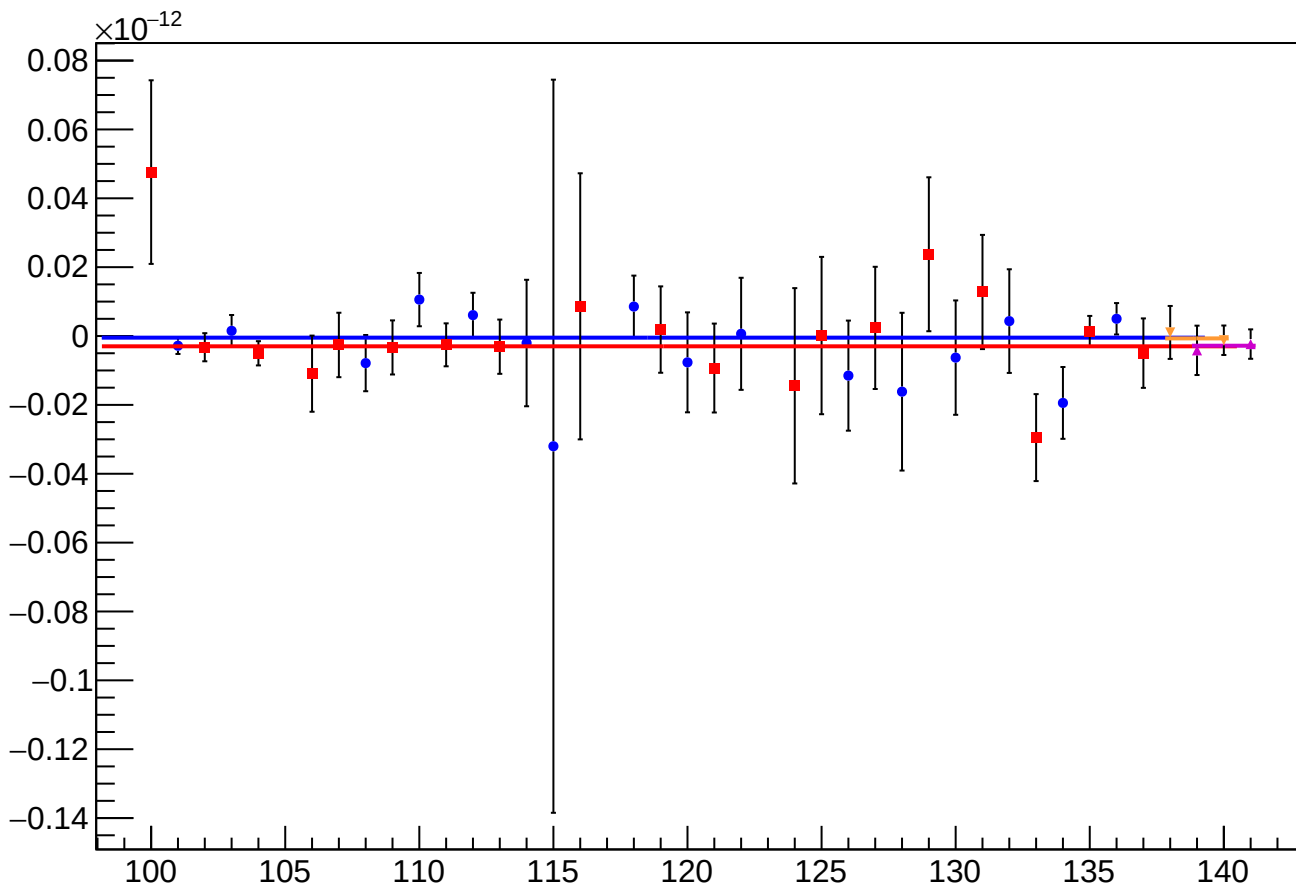
Left In: 23.434 $\pm$ 0.013 χ^2 /NDF: 2198.8/1

+ sign 17.178 $\pm$ 0.004 χ^2 /NDF: 1652788.3/17

All: 17.366 $\pm$ 0.003 χ^2 /NDF: 2762100.1/38

- sign 17.546 $\pm$ 0.004 χ^2 /NDF: 1105895.7/20

asym_sam_15_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: 0.1/1

Right Out: -0.000+/-0.000 χ^2 /NDF: 13.0/18

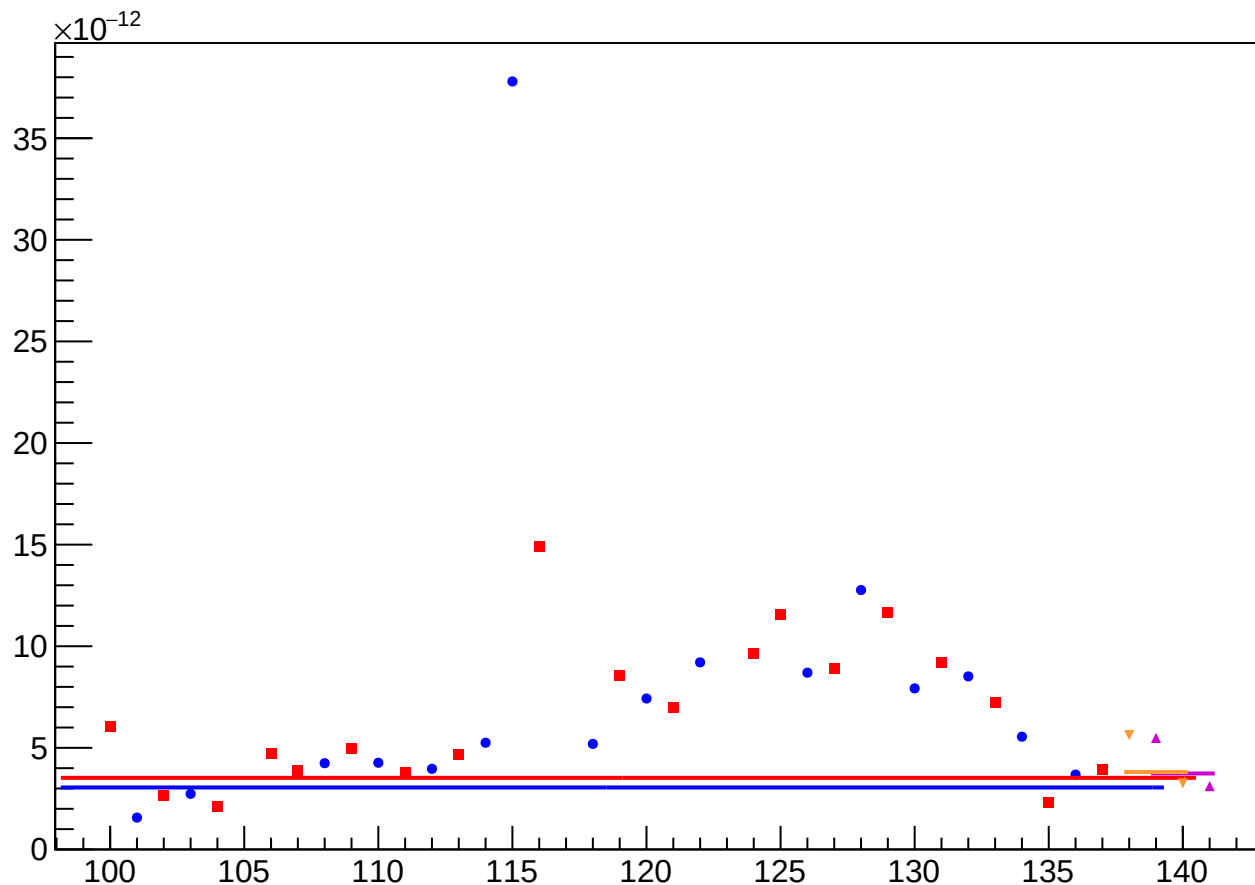
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 12.4/17

All: -0.000+/-0.000 χ^2 /NDF: 26.7/38

- sign -0.000+/-0.000 χ^2 /NDF: 13.1/20

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

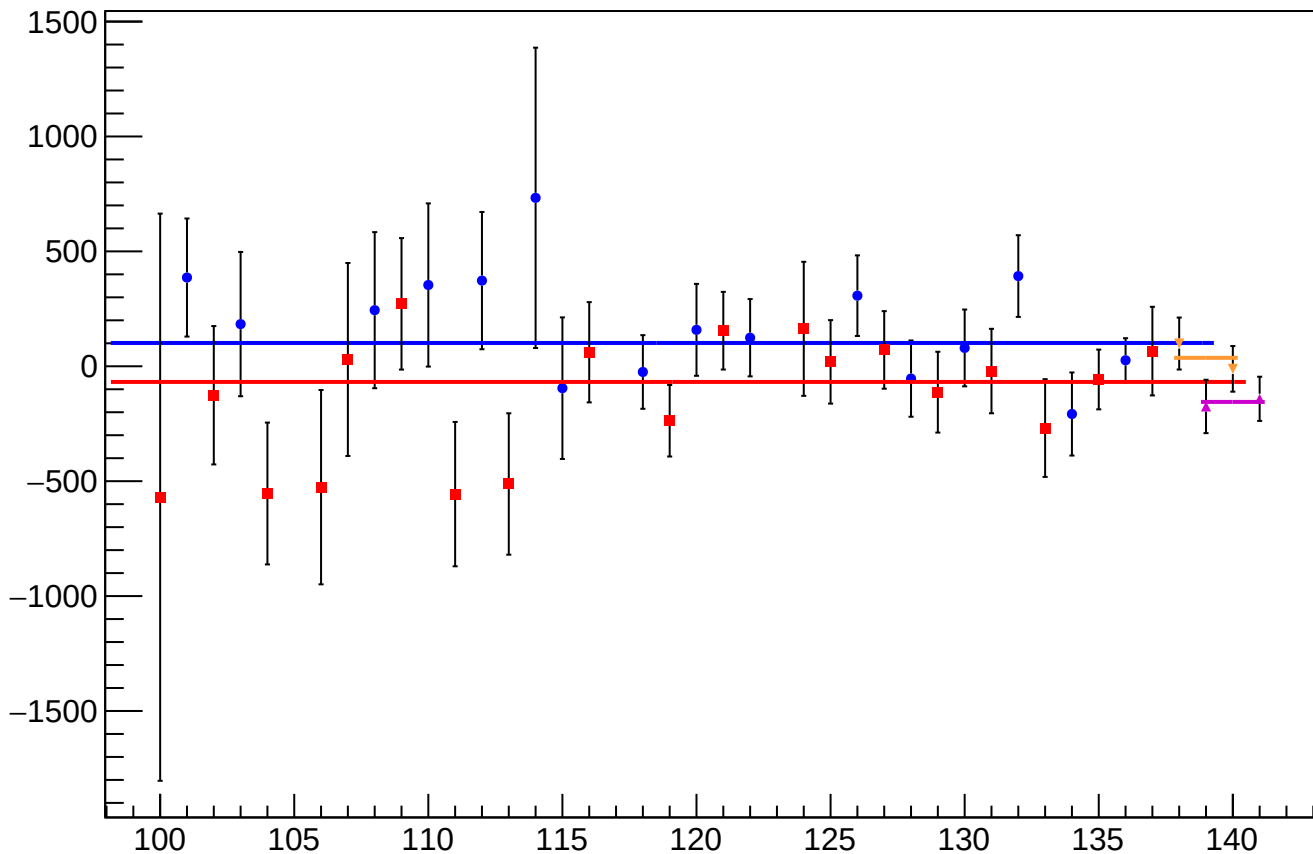
Left In: 0.000+/-0.000 χ^2/NDF :161273.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3152580.9/17

All: 0.000+/-0.000 χ^2/NDF : 5942206.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2725877.6/20

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

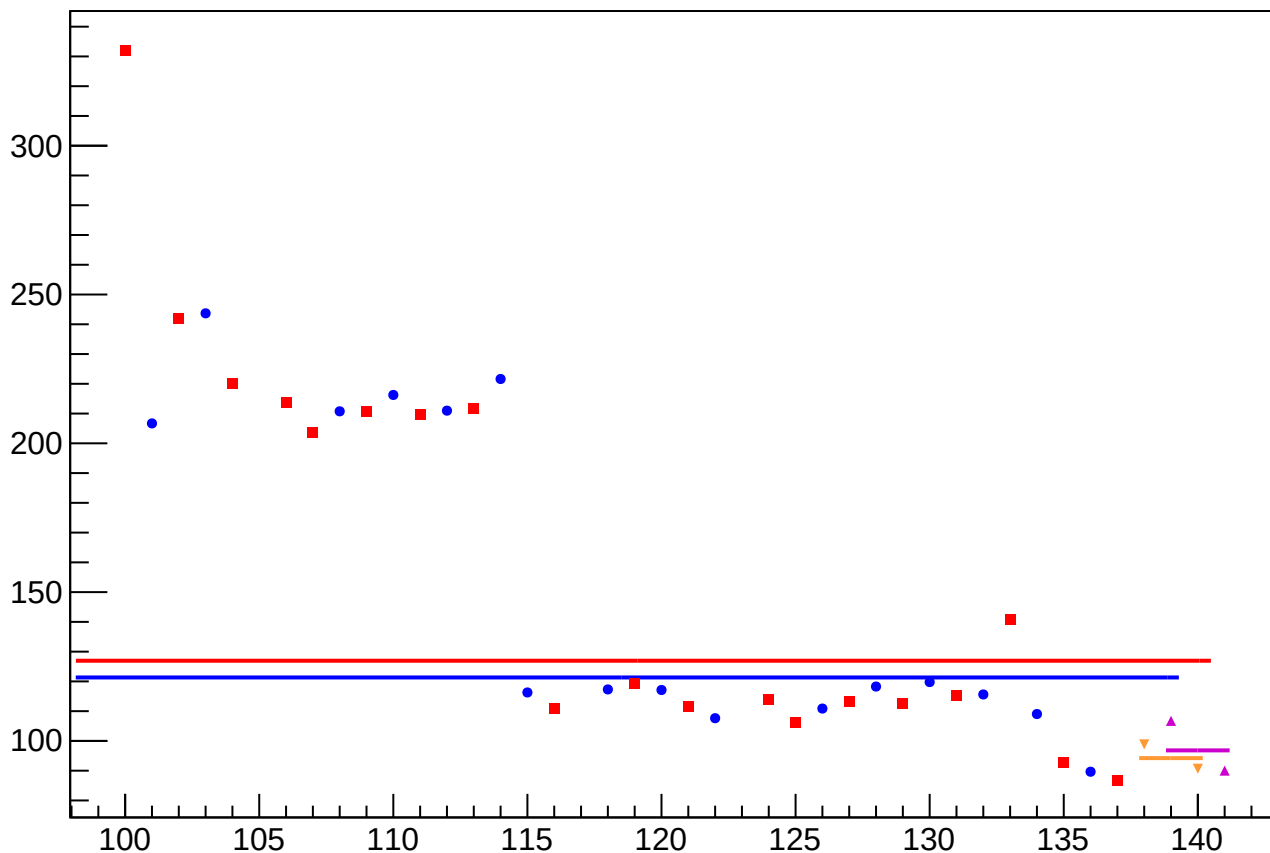
Left In: -155.069 $\pm$ 74.081 χ^2 /NDF:0.0/1

+ sign 82.721 $\pm$ 40.148 χ^2 /NDF: 14.4/17

All: -4.059 $\pm$ 28.705 χ^2 /NDF: 41.1/38

- sign -94.820 $\pm$ 41.058 χ^2 /NDF: 17.1/20

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

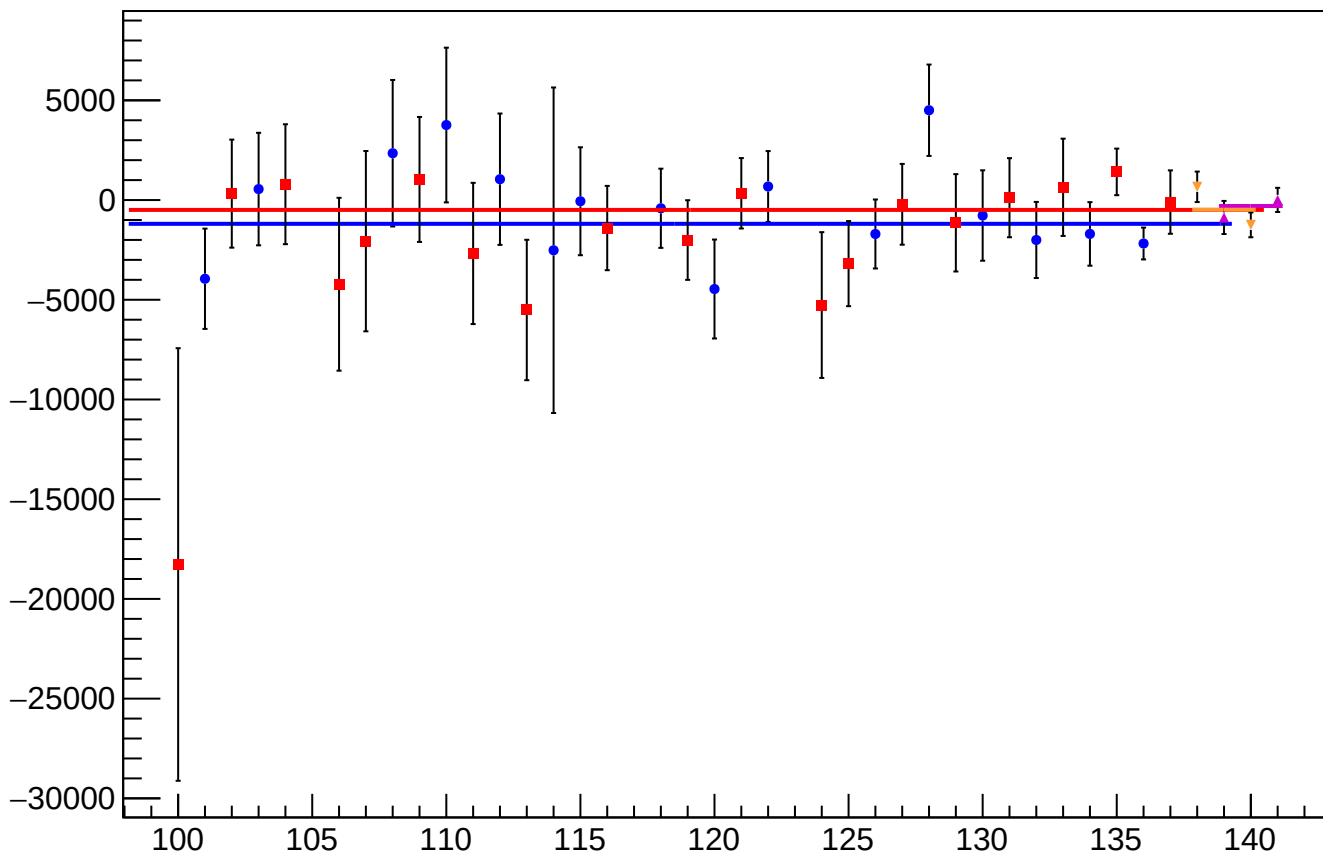
Left In: 96.820 $\pm$ 0.052 χ^2 /NDF: 24583.8/1

+ sign 113.478 $\pm$ 0.028 χ^2 /NDF: 1480060.1/17

All: 115.537 $\pm$ 0.020 χ^2 /NDF: 3216131.6/38

- sign 117.691 $\pm$ 0.029 χ^2 /NDF: 1725306.5/20

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

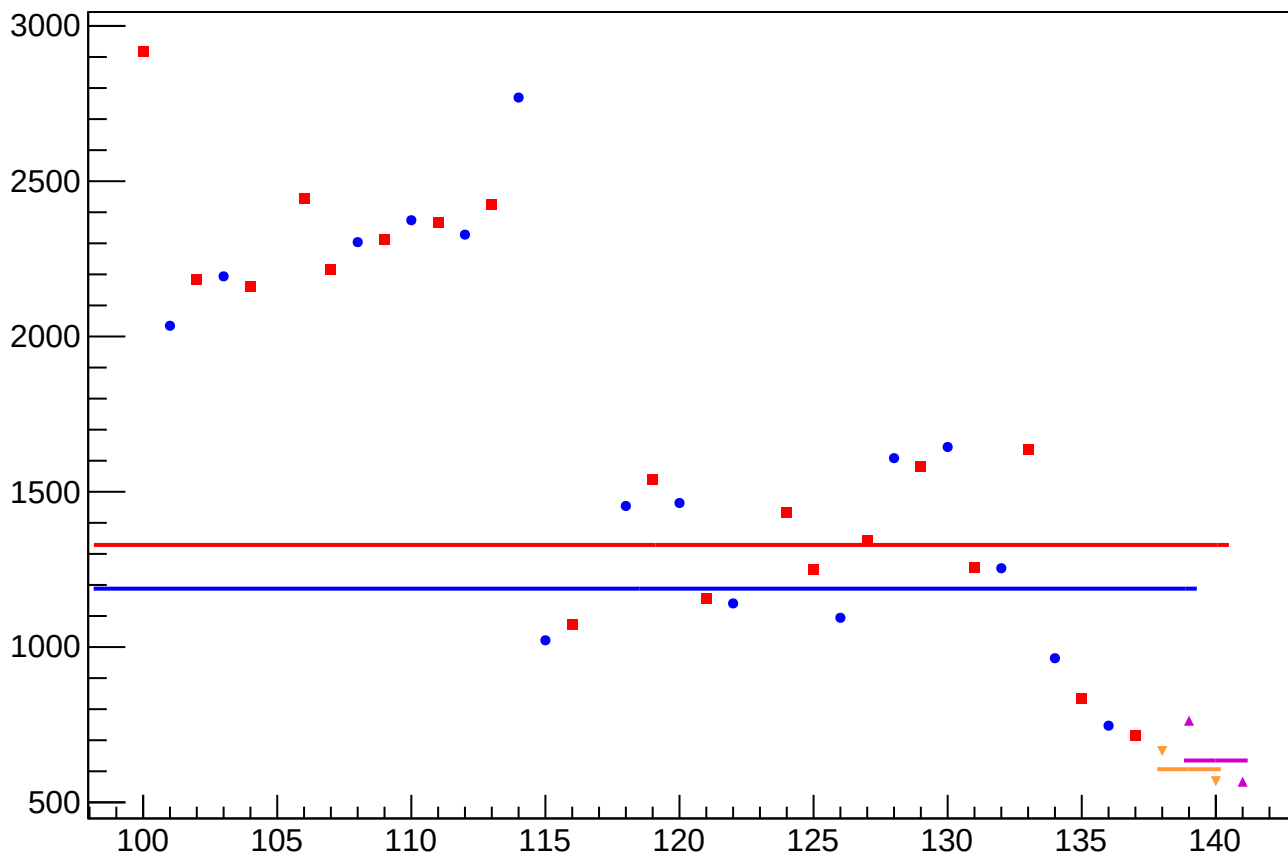
Left In: -298.916 ± 489.282 χ^2/NDF : 0.7/1

+ sign -841.077 ± 339.988 χ^2/NDF : 20.7/17

All: -626.714 ± 246.171 χ^2/NDF : 36.3/38

- sign -390.492 ± 356.903 χ^2/NDF : 14.7/20

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044635.7/15

Left Out: 606.606+/-0.341 χ^2/NDF :19420.5/1

Right Out: 1328.816+/-0.369 χ^2/NDF : 1957758.3/18

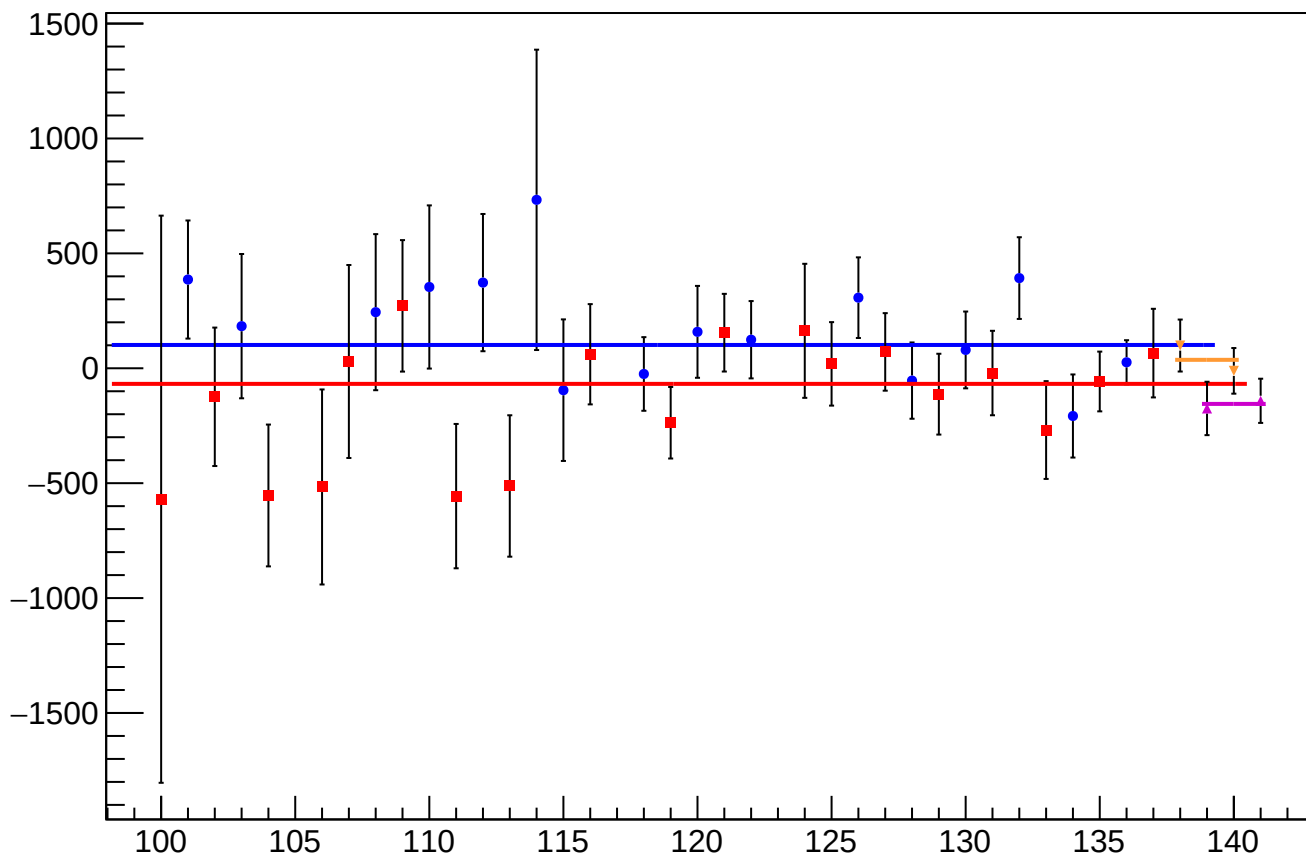
Left In: 634.812+/-0.346 χ^2/NDF :73043.4/1

+ sign 899.659+/-0.240 χ^2/NDF : 3526432.4/17

All: 928.150+/-0.174 χ^2/NDF : 7469547.6/38

- sign 959.546+/-0.252 χ^2/NDF : 3913593.8/20

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

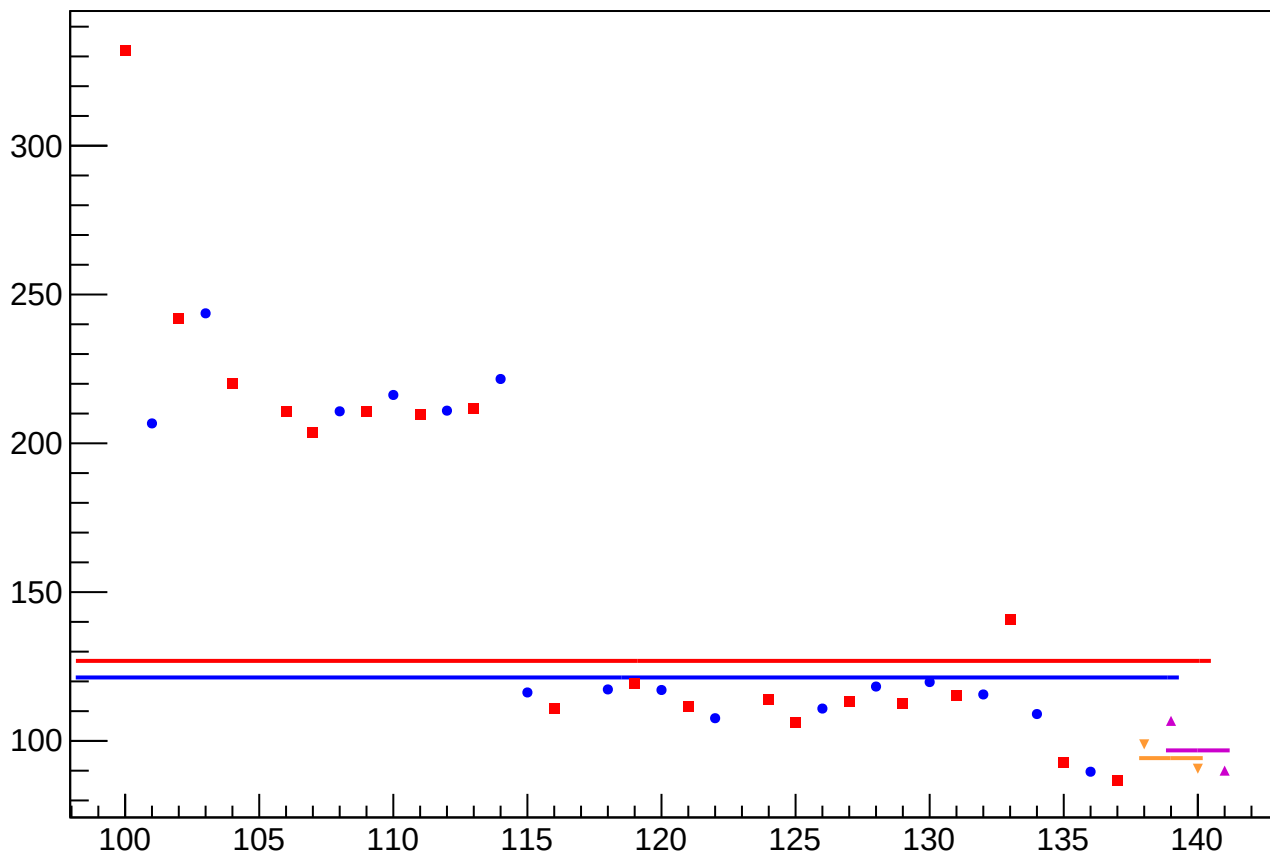
Left In: -155.079 $\pm$ 74.081 χ^2 /NDF: 0.0/1

+ sign 82.712 $\pm$ 40.148 χ^2 /NDF: 14.4/17

All: -3.985 $\pm$ 28.706 χ^2 /NDF: 41.0/38

- sign -94.669 $\pm$ 41.060 χ^2 /NDF: 17.1/20

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

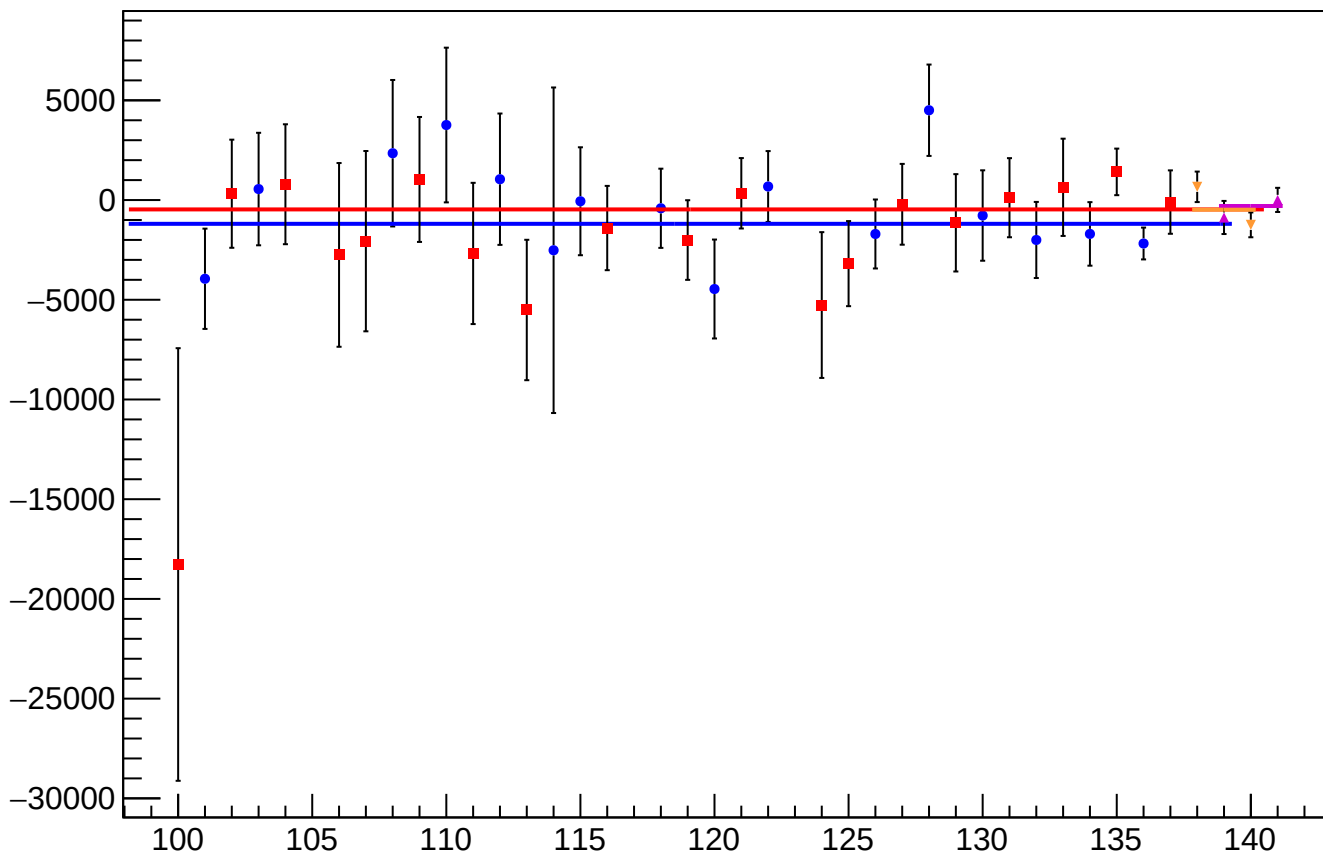
Left In: 96.820 $\pm$ 0.052 χ^2 /NDF: 24583.8/1

+ sign 113.478 $\pm$ 0.028 χ^2 /NDF: 1480062.5/17

All: 115.520 $\pm$ 0.020 χ^2 /NDF: 3209070.8/38

- sign 117.656 $\pm$ 0.029 χ^2 /NDF: 1718424.2/20

asym_sam_26_avg_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

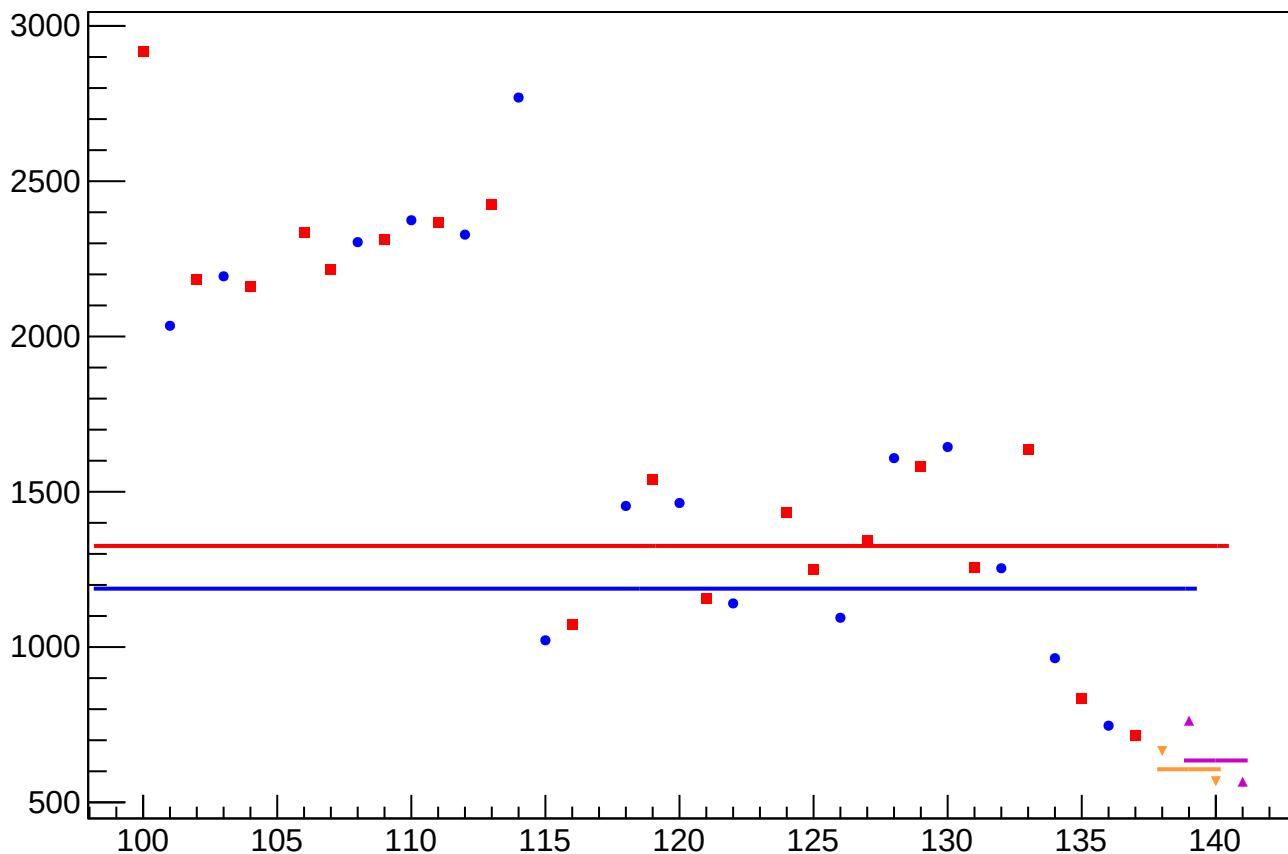
Left In: -298.930 $\pm$ 489.282 χ^2 /NDF:0.7/1

+ sign -841.061 $\pm$ 339.989 χ^2 /NDF: 20.7/17

All: -621.226 $\pm$ 246.218 χ^2 /NDF: 35.8/38

- sign -378.780 $\pm$ 357.046 χ^2 /NDF: 14.2/20

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF :19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF : 1920986.7/18

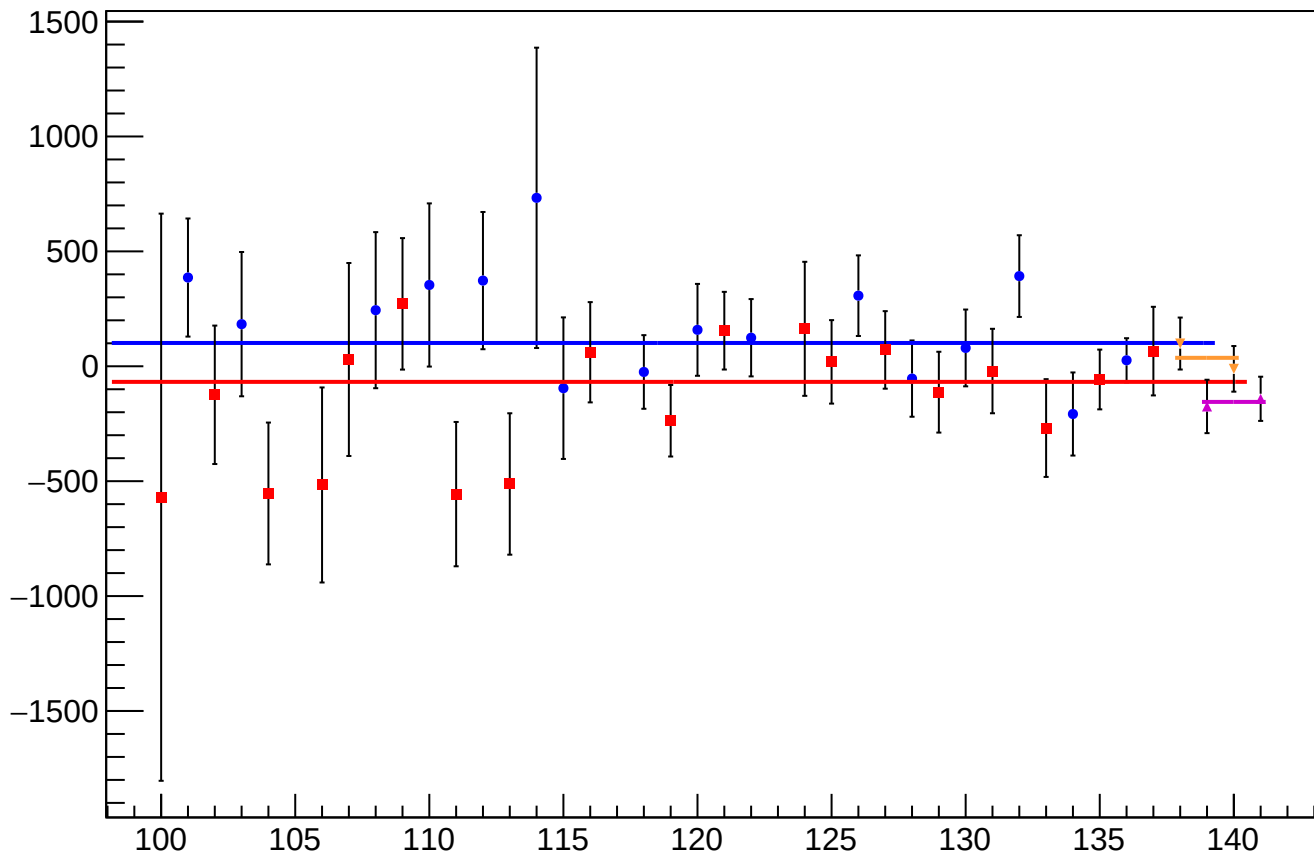
Left In: 634.812+/-0.346 χ^2/NDF :73042.9/1

+ sign 899.658+/-0.240 χ^2/NDF : 3526463.8/17

All: 927.274+/-0.174 χ^2/NDF : 7411723.7/38

- sign 957.730+/-0.252 χ^2/NDF : 3857512.8/20

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

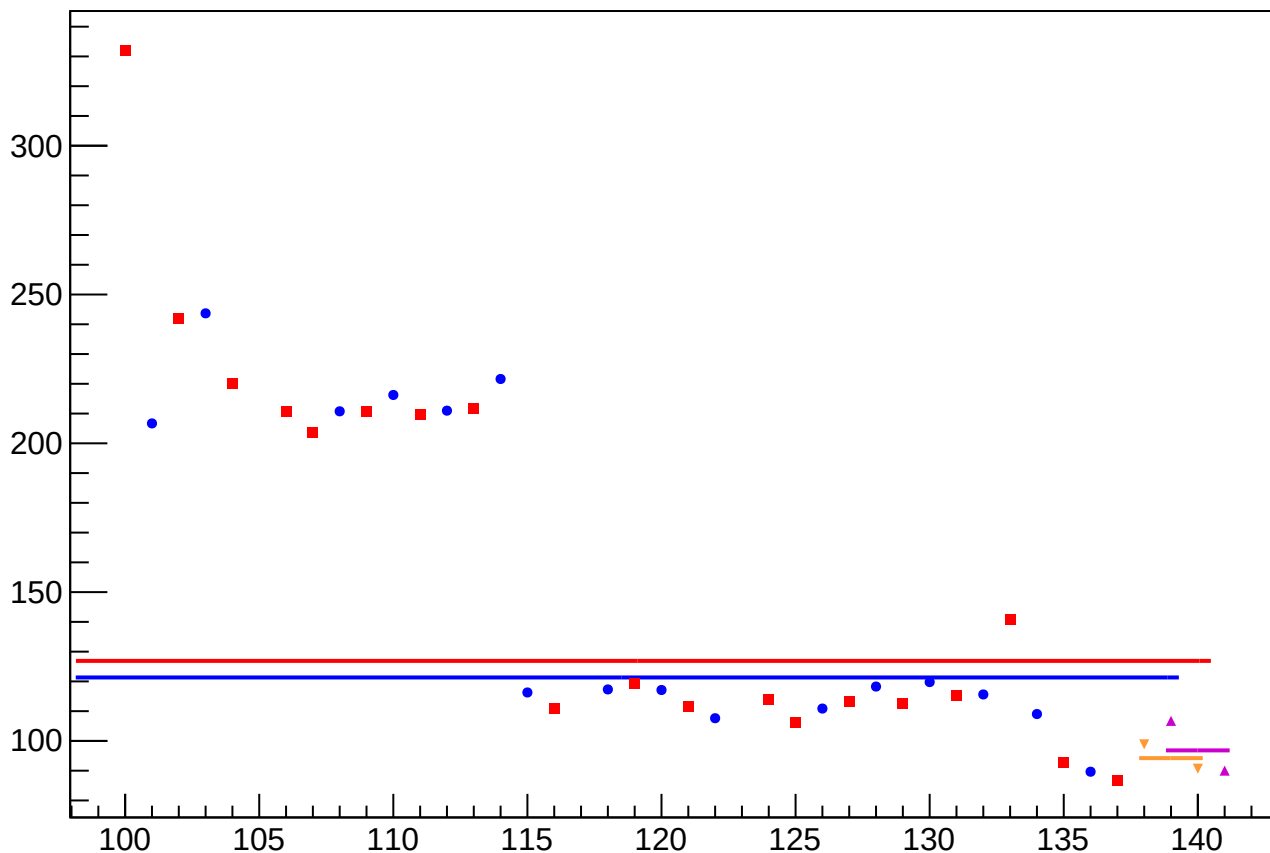
Left In: -155.079 $\pm$ 74.081 χ^2 /NDF: 0.0/1

+ sign 82.712 $\pm$ 40.148 χ^2 /NDF: 14.4/17

All: -3.985 $\pm$ 28.706 χ^2 /NDF: 41.0/38

- sign -94.669 $\pm$ 41.060 χ^2 /NDF: 17.1/20

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF : 1286654.0/15

Left Out: 94.222+/-0.053 χ^2/NDF : 5913.6/1

Right Out: 126.895+/-0.035 χ^2/NDF : 1465478.6/18

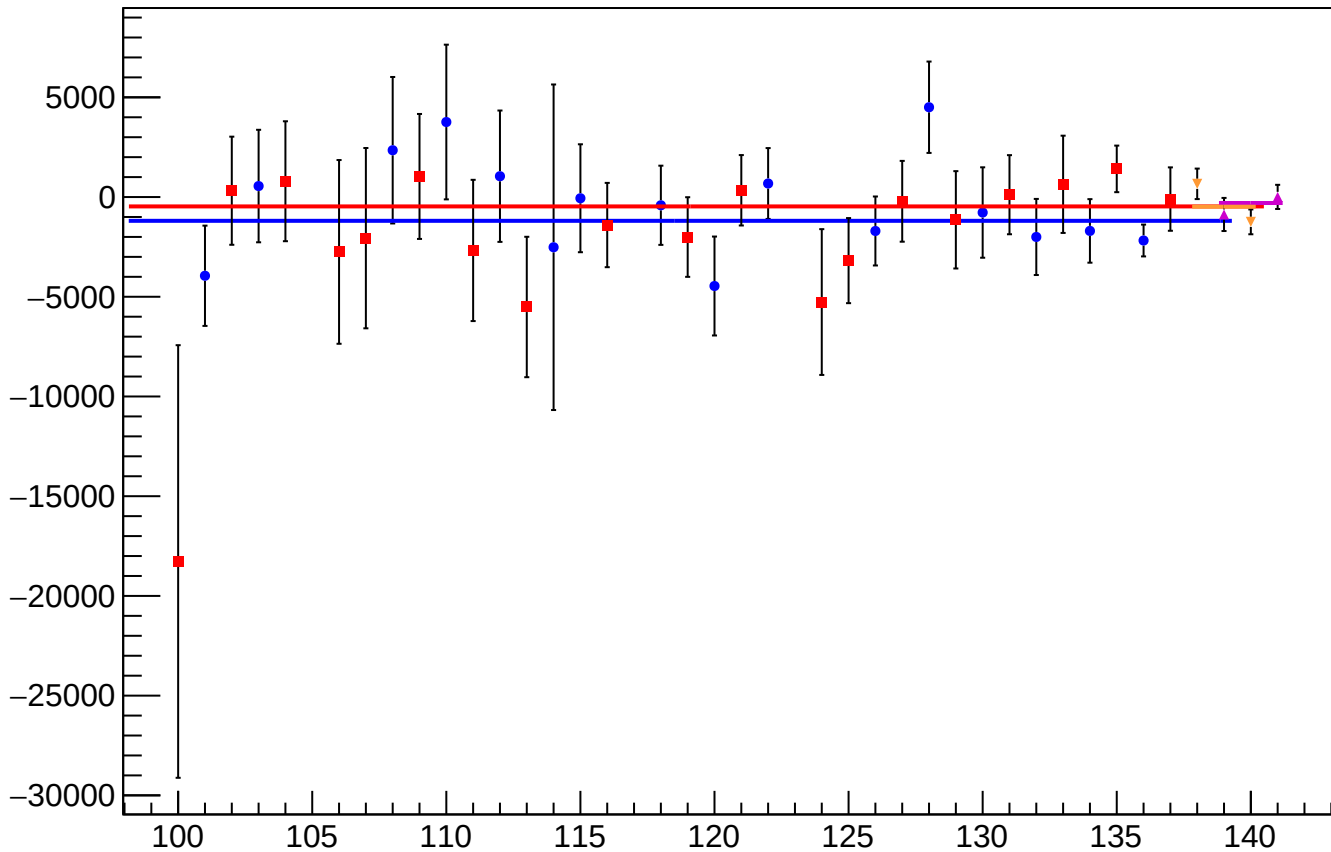
Left In: 96.820+/-0.052 χ^2/NDF : 24583.8/1

+ sign 113.478+/-0.028 χ^2/NDF : 1480062.5/17

All: 115.520+/-0.020 χ^2/NDF : 3209070.8/38

- sign 117.656+/-0.029 χ^2/NDF : 1718424.2/20

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

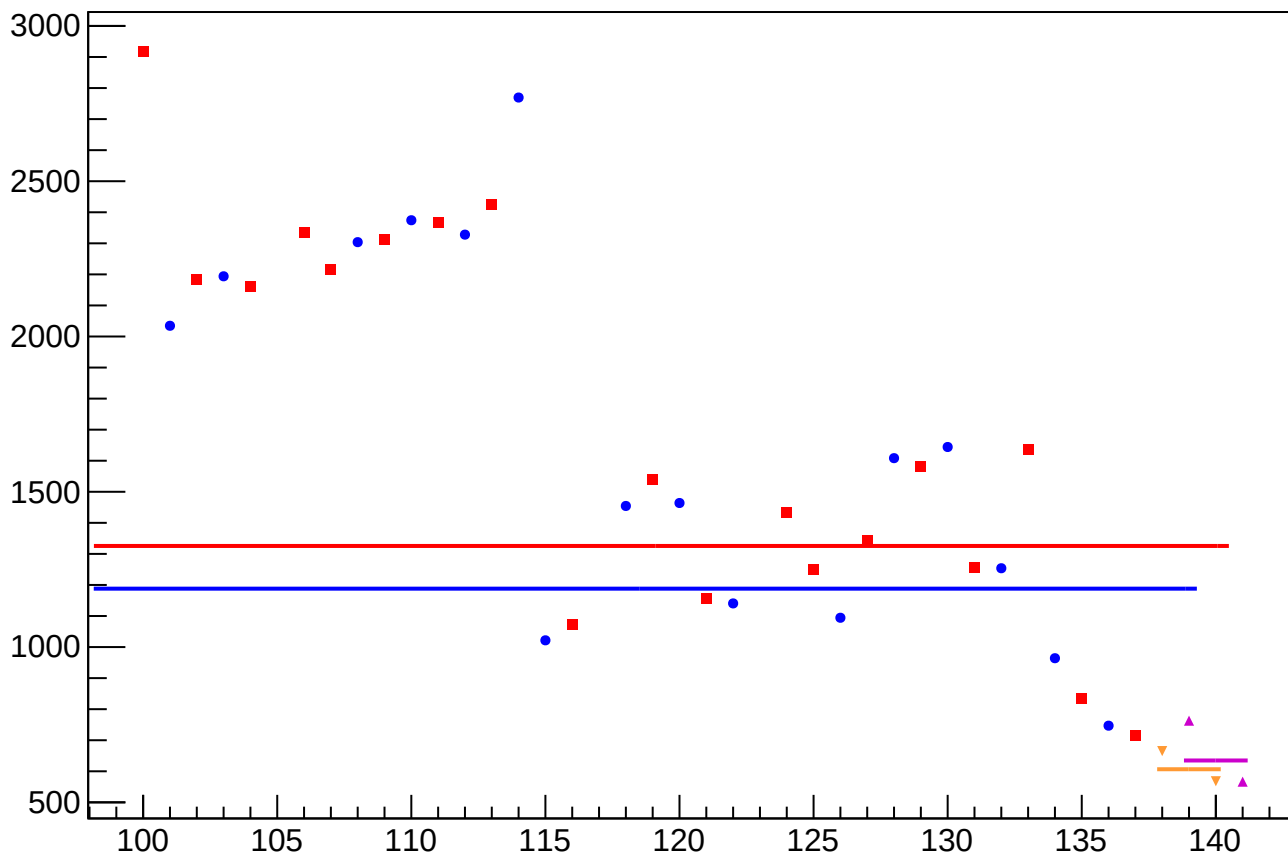
Left In: -298.930 $\pm$ 489.282 χ^2 /NDF: 0.7/1

+ sign -841.061 $\pm$ 339.989 χ^2 /NDF: 20.7/17

All: -621.226 $\pm$ 246.218 χ^2 /NDF: 35.8/38

- sign -378.780 $\pm$ 357.046 χ^2 /NDF: 14.2/20

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF :19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF : 1920986.7/18

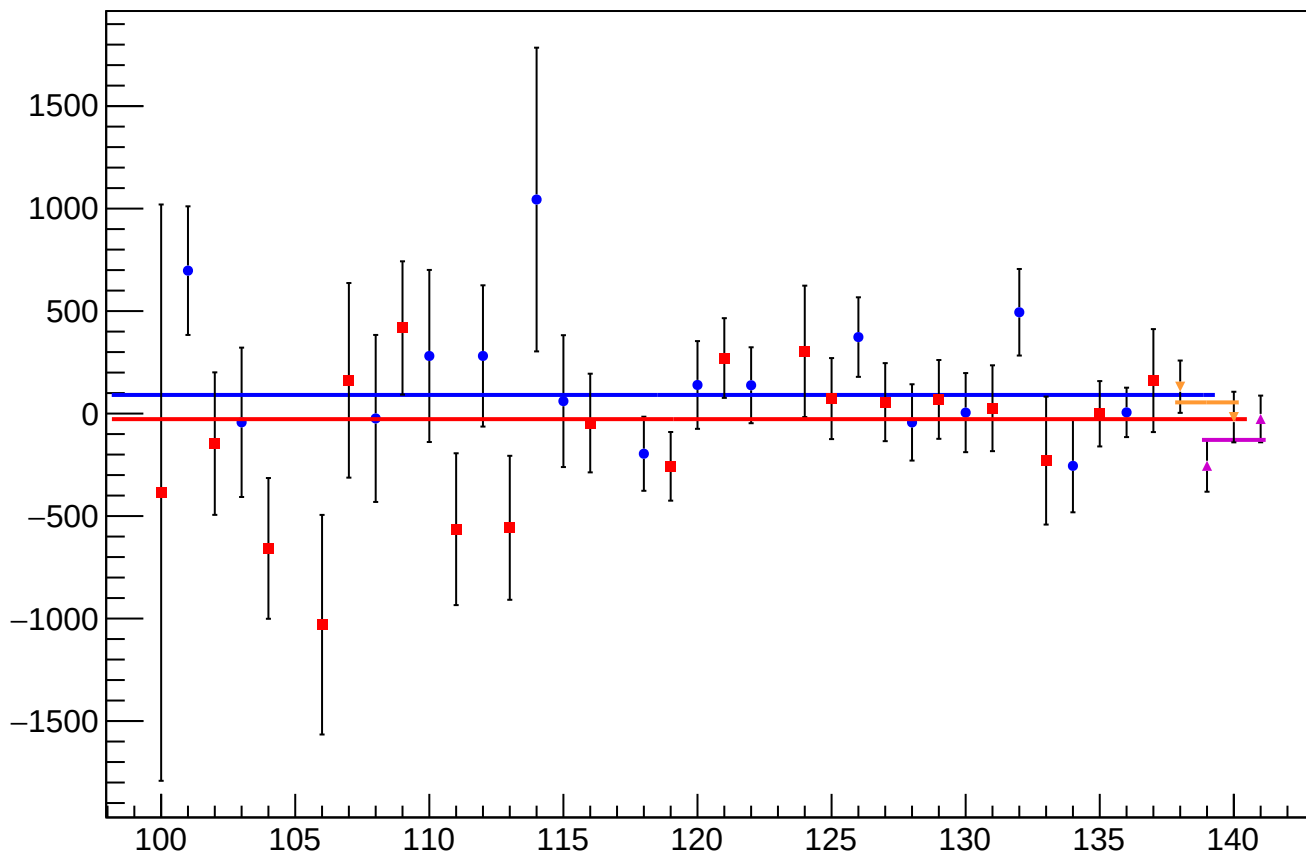
Left In: 634.812+/-0.346 χ^2/NDF :73042.9/1

+ sign 899.658+/-0.240 χ^2/NDF : 3526463.8/17

All: 927.274+/-0.174 χ^2/NDF : 7411723.7/38

- sign 957.730+/-0.252 χ^2/NDF : 3857512.8/20

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

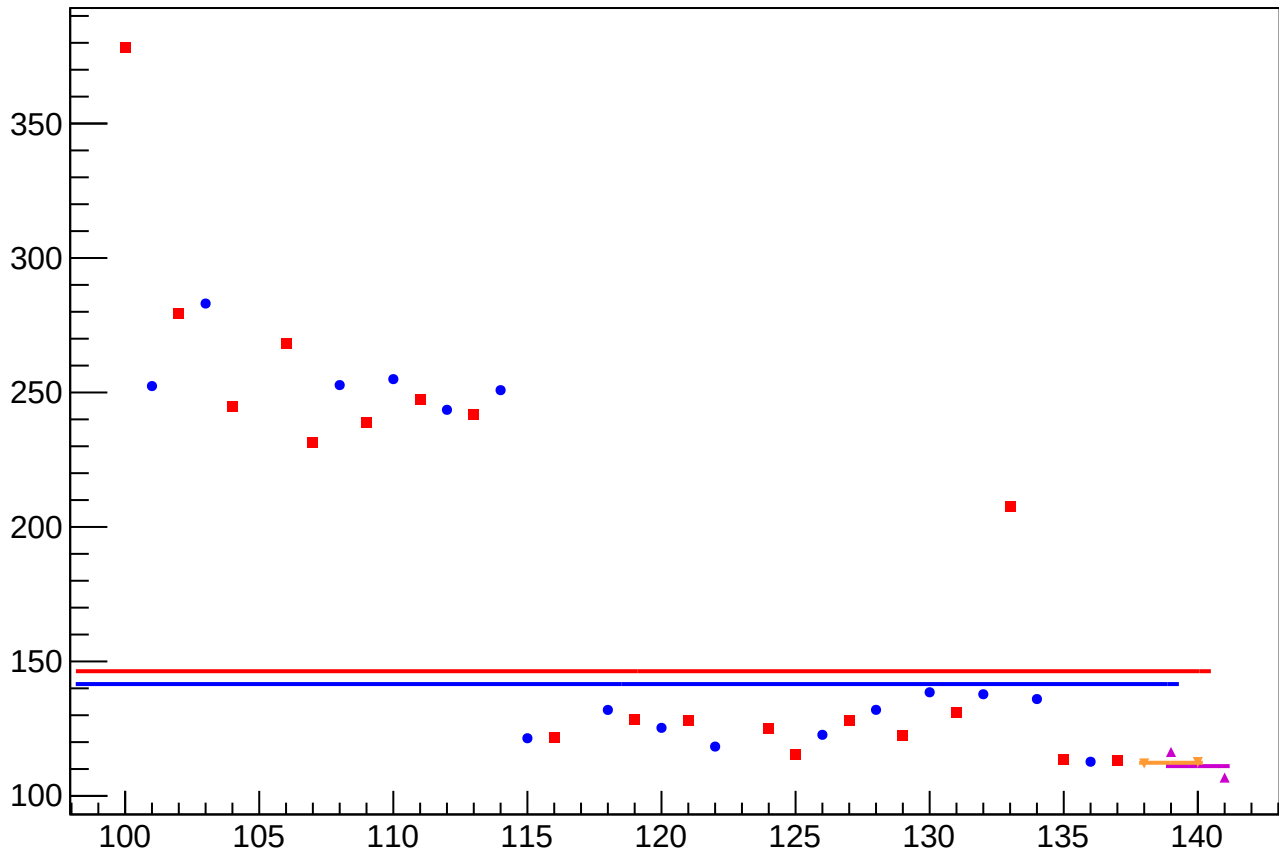
Left In: -128.445 $\pm$ 84.681 χ^2 /NDF: 1.8/1

+ sign 80.667 $\pm$ 47.089 χ^2 /NDF: 18.9/17

All: 11.256 $\pm$ 33.369 χ^2 /NDF: 46.6/38

- sign -58.760 $\pm$ 47.294 χ^2 /NDF: 23.3/20

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

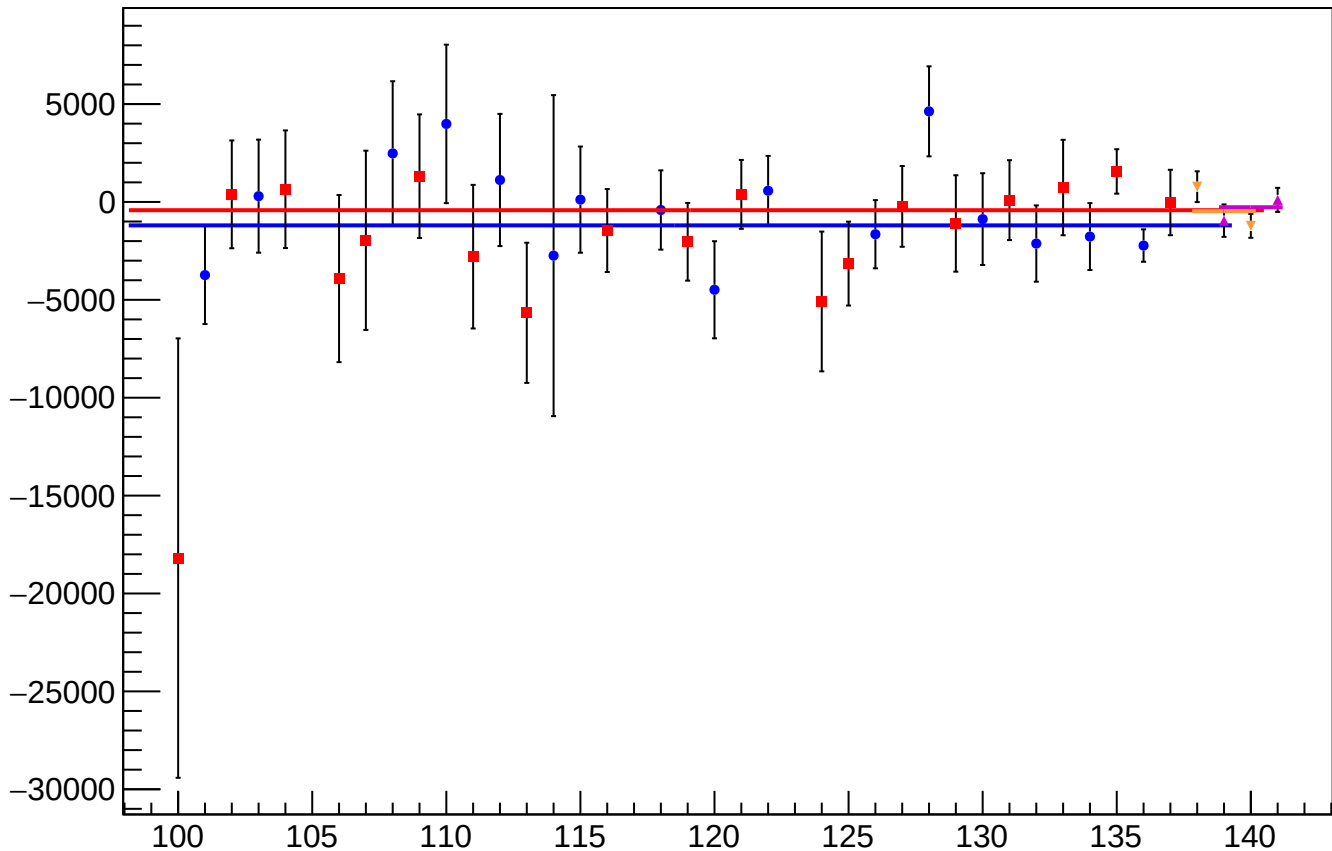
Left In: 111.084 $\pm$ 0.060 χ^2 /NDF:6273.3/1

+ sign 133.341 $\pm$ 0.033 χ^2 /NDF: 1418650.8/17

All: 134.347 $\pm$ 0.024 χ^2 /NDF: 3179343.6/38

- sign 135.362 $\pm$ 0.033 χ^2 /NDF: 1758858.8/20

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663 ± 491.384 χ^2/NDF : 16.0/15

Left Out: -471.594 ± 481.479 χ^2/NDF : 4.0/1

Right Out: -422.161 ± 523.834 χ^2/NDF : 14.3/18

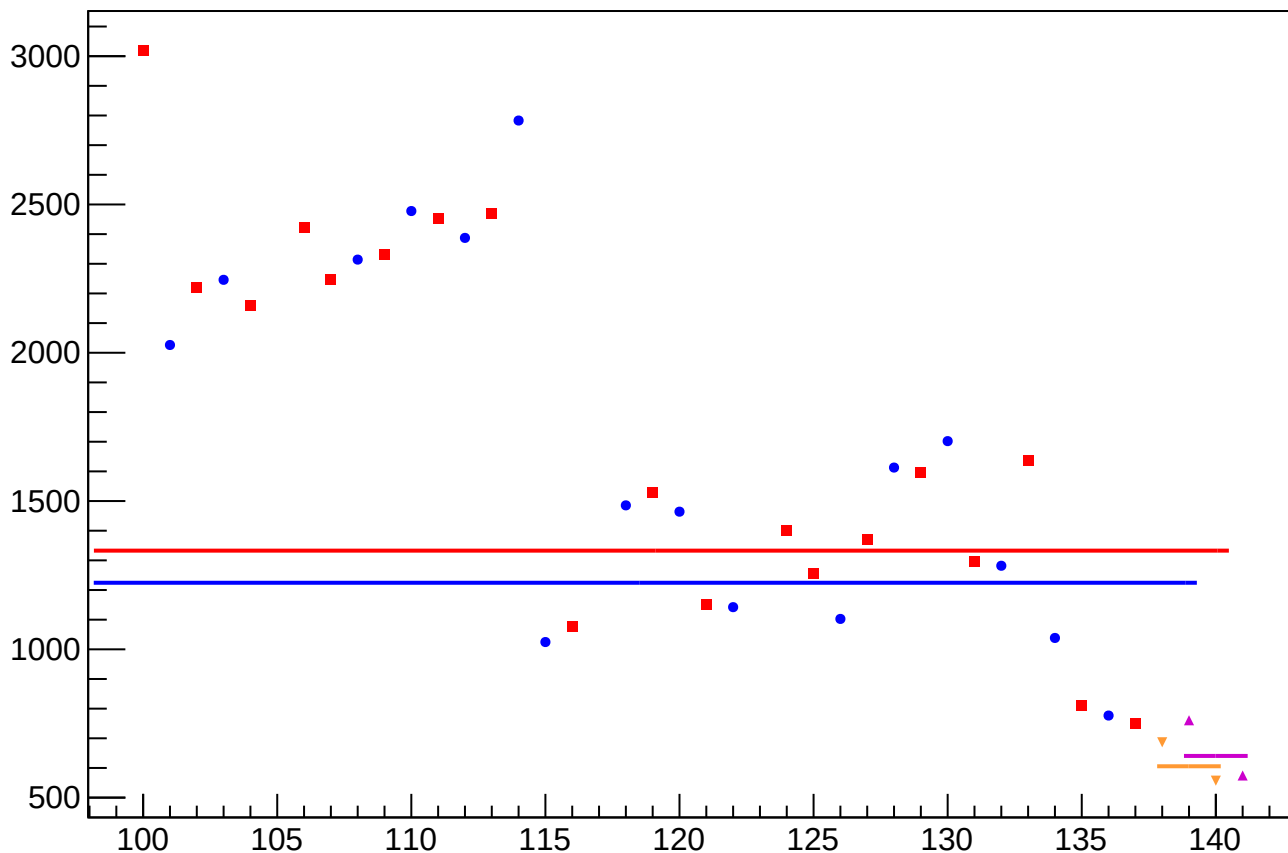
Left In: -269.417 ± 492.754 χ^2/NDF : 1.1/1

+ sign -826.747 ± 343.905 χ^2/NDF : 21.1/17

All: -594.301 ± 248.314 χ^2/NDF : 37.5/38

- sign -341.123 ± 358.915 χ^2/NDF : 15.4/20

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF : 1959362.3/15

Left Out: 605.702+/-0.340 χ^2/NDF : 33870.4/1

Right Out: 1332.785+/-0.370 χ^2/NDF : 1994811.5/18

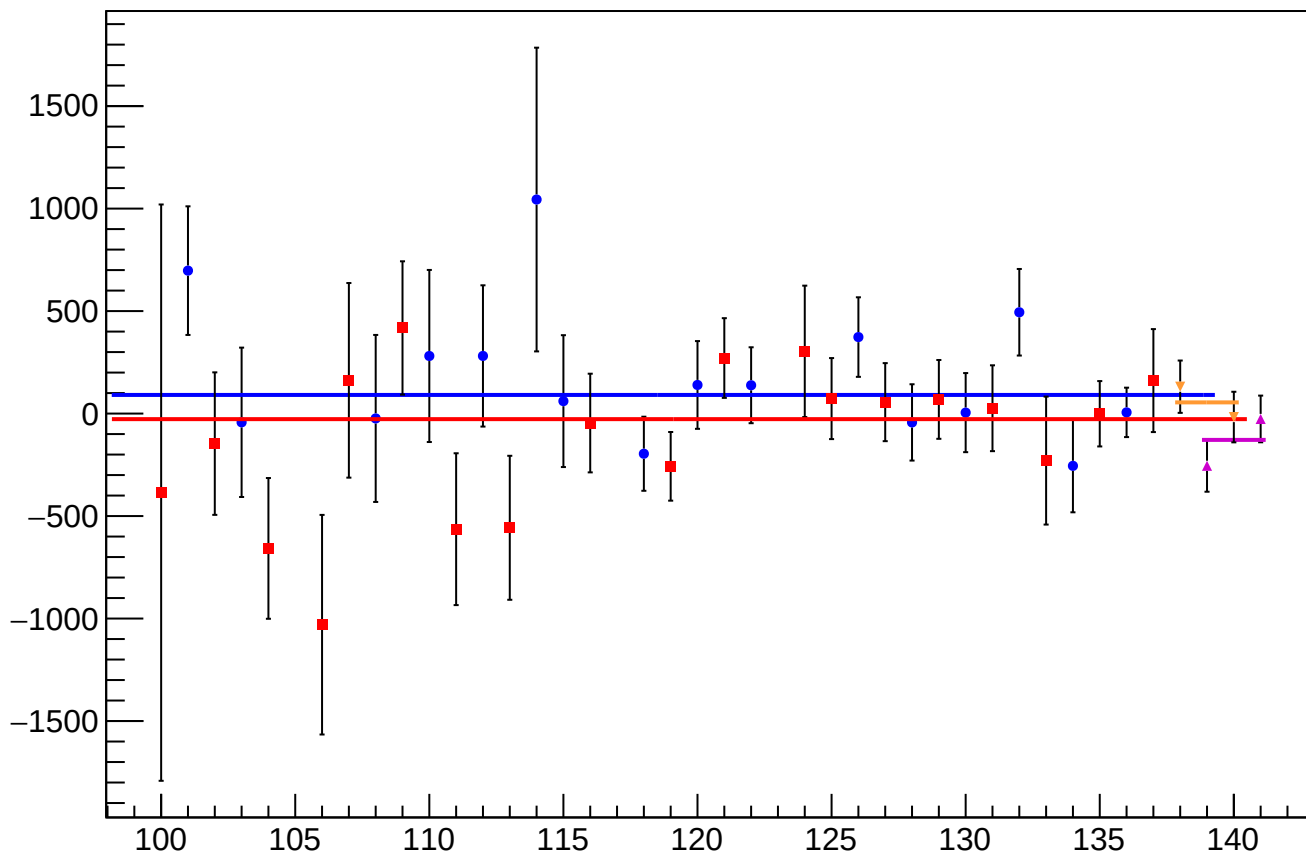
Left In: 640.555+/-0.348 χ^2/NDF : 65340.8/1

+ sign 908.787+/-0.243 χ^2/NDF : 3611194.3/17

All: 935.945+/-0.176 χ^2/NDF : 7550358.4/38

- sign 965.527+/-0.254 χ^2/NDF : 3913105.4/20

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

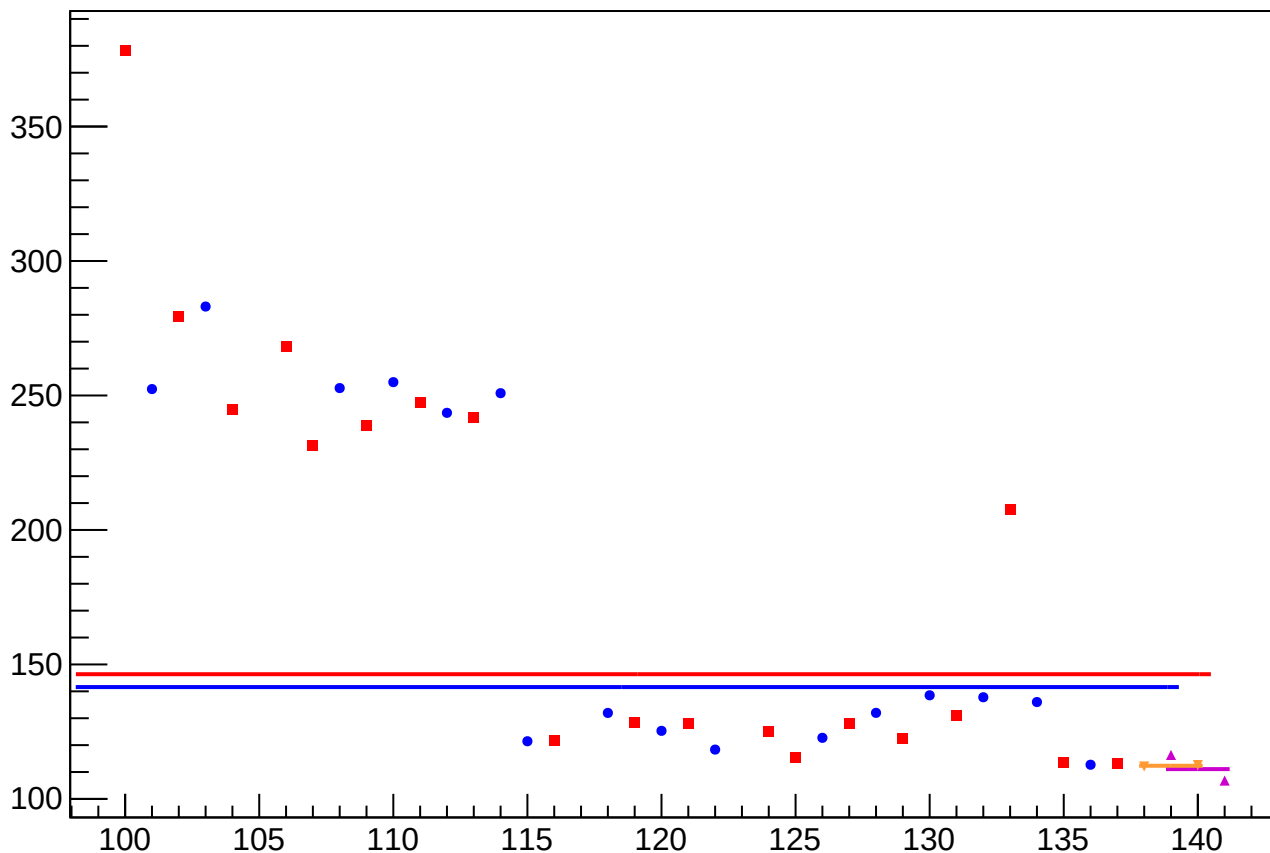
Left In: -128.444 $\pm$ 84.681 χ^2 /NDF:1.8/1

+ sign 80.667 $\pm$ 47.089 χ^2 /NDF: 18.9/17

All: 11.257 $\pm$ 33.369 χ^2 /NDF: 46.6/38

- sign -58.760 $\pm$ 47.294 χ^2 /NDF: 23.3/20

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

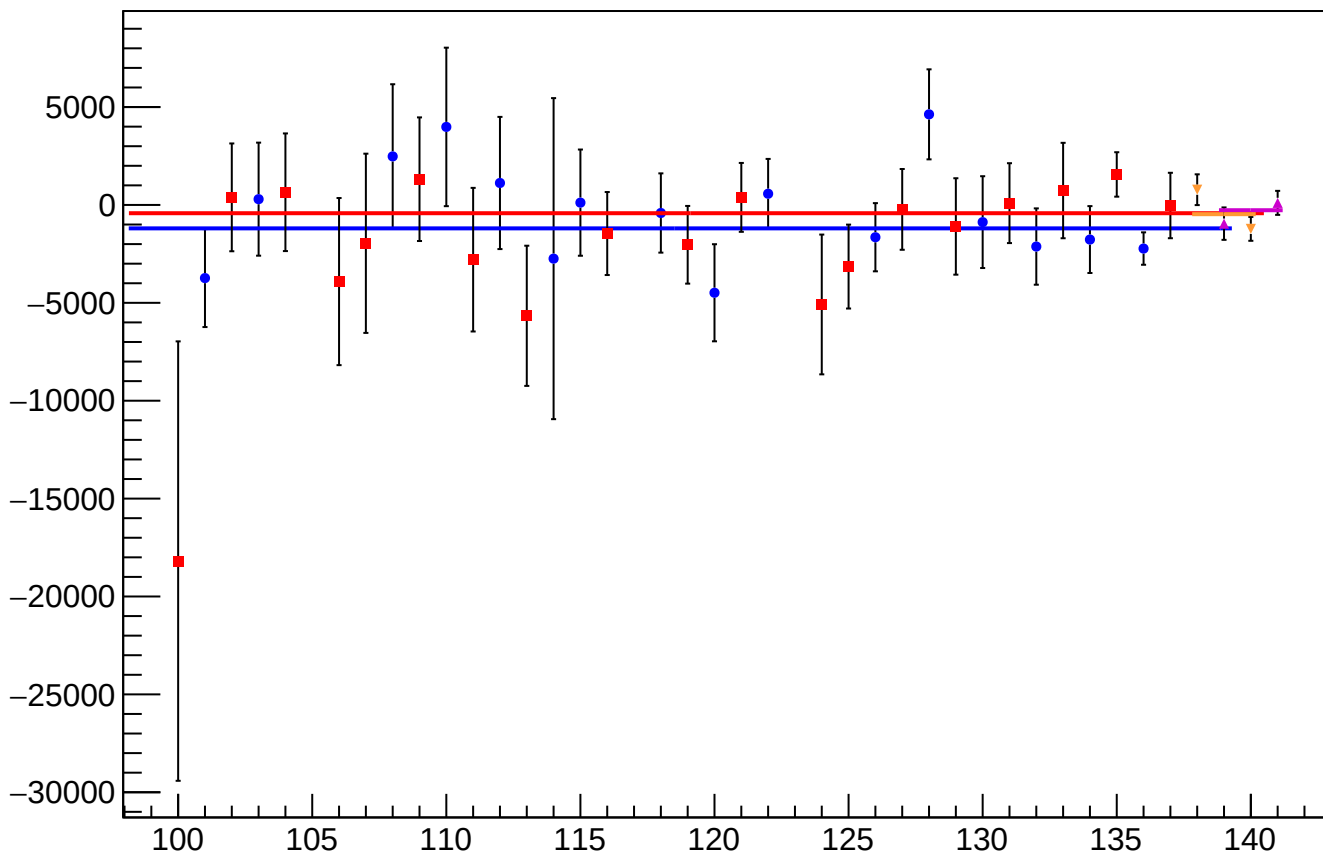
Left In: 111.084 $\pm$ 0.060 χ^2 /NDF:6272.8/1

+ sign 133.341 $\pm$ 0.033 χ^2 /NDF: 1418627.5/17

All: 134.347 $\pm$ 0.024 χ^2 /NDF: 3179293.7/38

- sign 135.362 $\pm$ 0.033 χ^2 /NDF: 1758831.4/20

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1196.659 $\pm$ 491.383 χ^2 /NDF: 16.0/15

Left Out: -471.591 $\pm$ 481.478 χ^2 /NDF:4.0/1

Right Out: -422.163 $\pm$ 523.833 χ^2 /NDF: 14.3/18

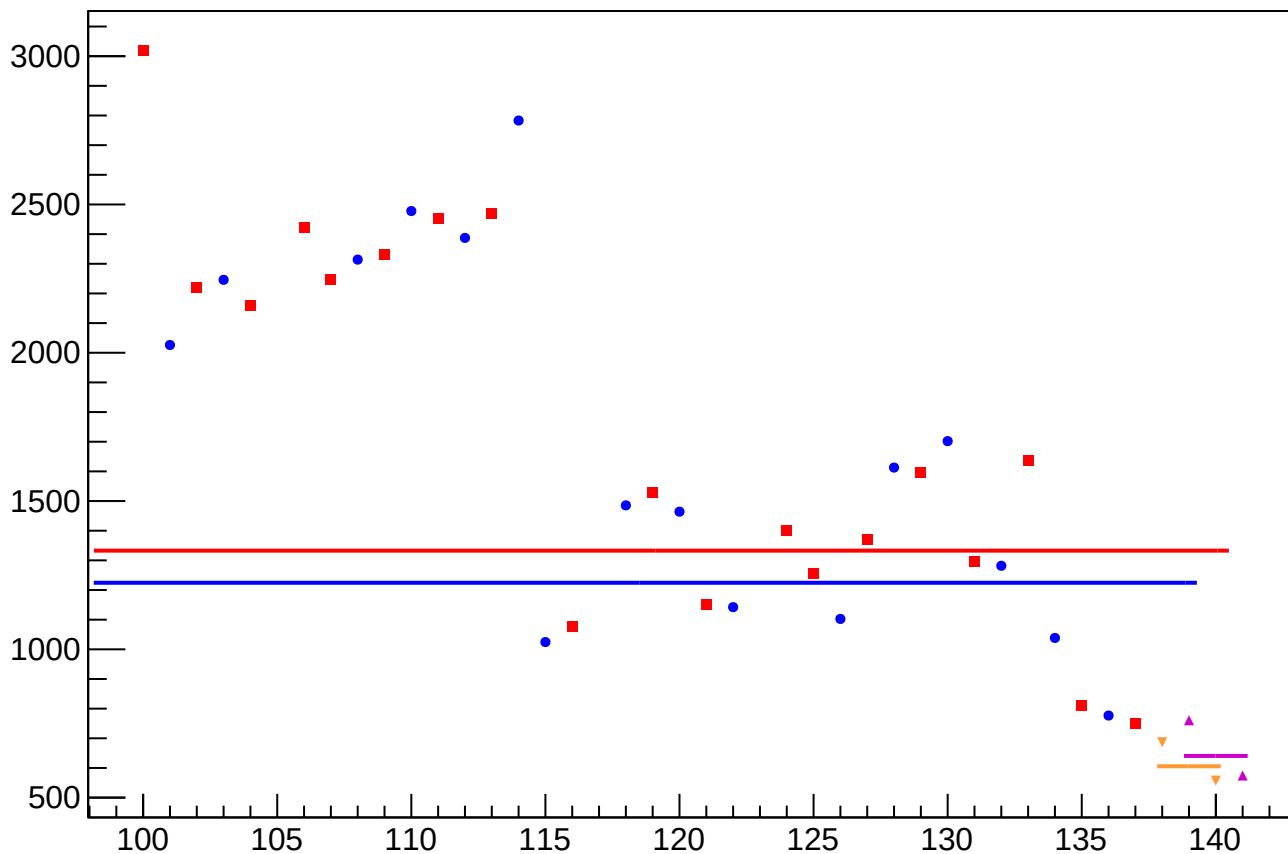
Left In: -269.419 $\pm$ 492.754 χ^2 /NDF:1.1/1

+ sign -826.744 $\pm$ 343.905 χ^2 /NDF: 21.1/17

All: -594.301 $\pm$ 248.314 χ^2 /NDF: 37.5/38

- sign -341.126 $\pm$ 358.914 χ^2 /NDF: 15.4/20

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

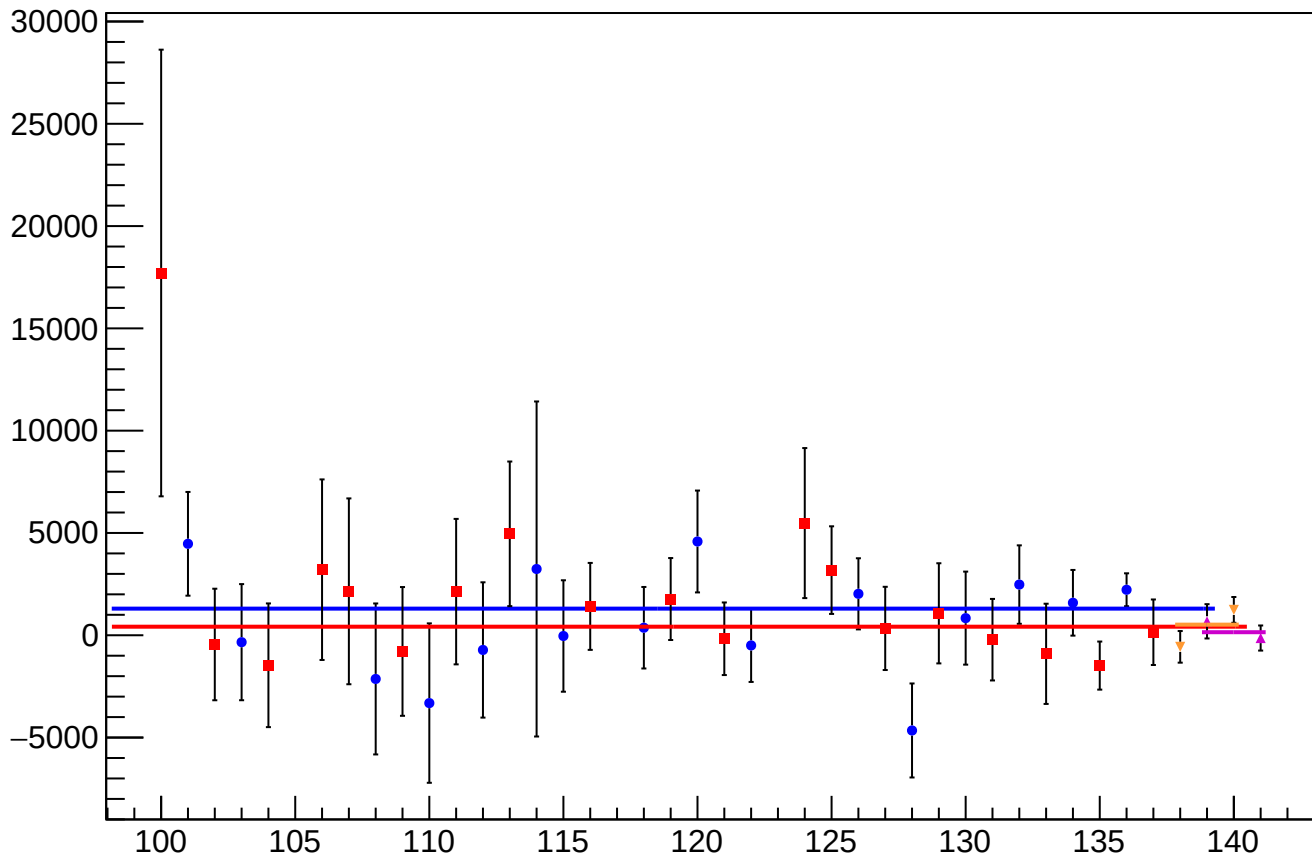
Left In: 640.555+/-0.348 χ^2/NDF : 65337.2/1

+ sign 908.786+/-0.243 χ^2/NDF : 3611173.7/17

All: 935.945+/-0.176 χ^2/NDF : 7550317.2/38

- sign 965.526+/-0.254 χ^2/NDF : 3913084.6/20

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

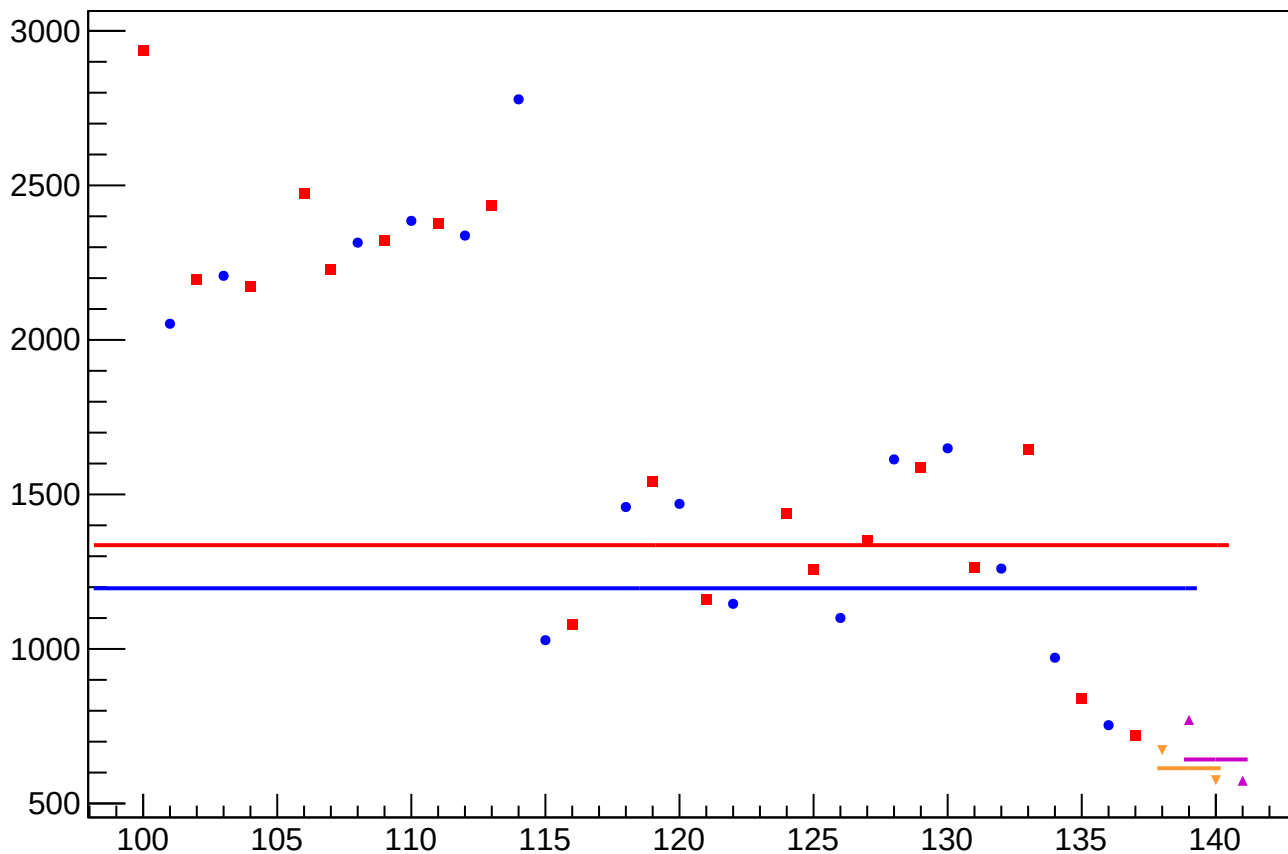
Left In: 149.066 $\pm$ 494.983 χ^2 /NDF:0.6/1

+ sign 915.375 $\pm$ 343.114 χ^2 /NDF: 21.0/17

All: 610.972 $\pm$ 248.371 χ^2 /NDF: 36.5/38

- sign 275.882 $\pm$ 359.994 χ^2 /NDF: 13.8/20

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF : 2031710.2/15

Left Out: 614.033+/-0.345 χ^2/NDF :19031.3/1

Right Out: 1335.809+/-0.371 χ^2/NDF : 1951472.1/18

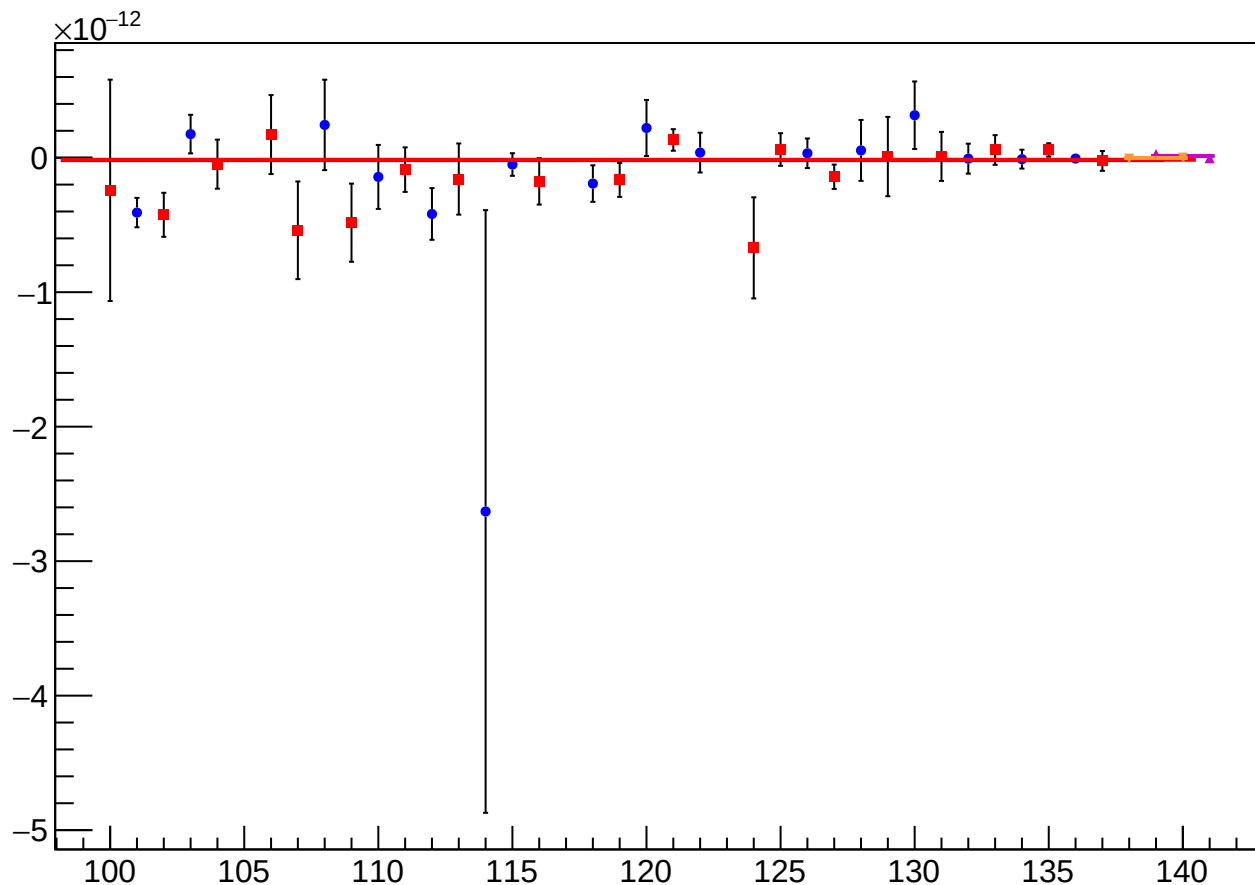
Left In: 642.354+/-0.350 χ^2/NDF :71693.8/1

+ sign 909.167+/-0.243 χ^2/NDF : 3490651.6/17

All: 937.653+/-0.176 χ^2/NDF : 7391873.6/38

- sign 969.011+/-0.255 χ^2/NDF : 3872261.3/20

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

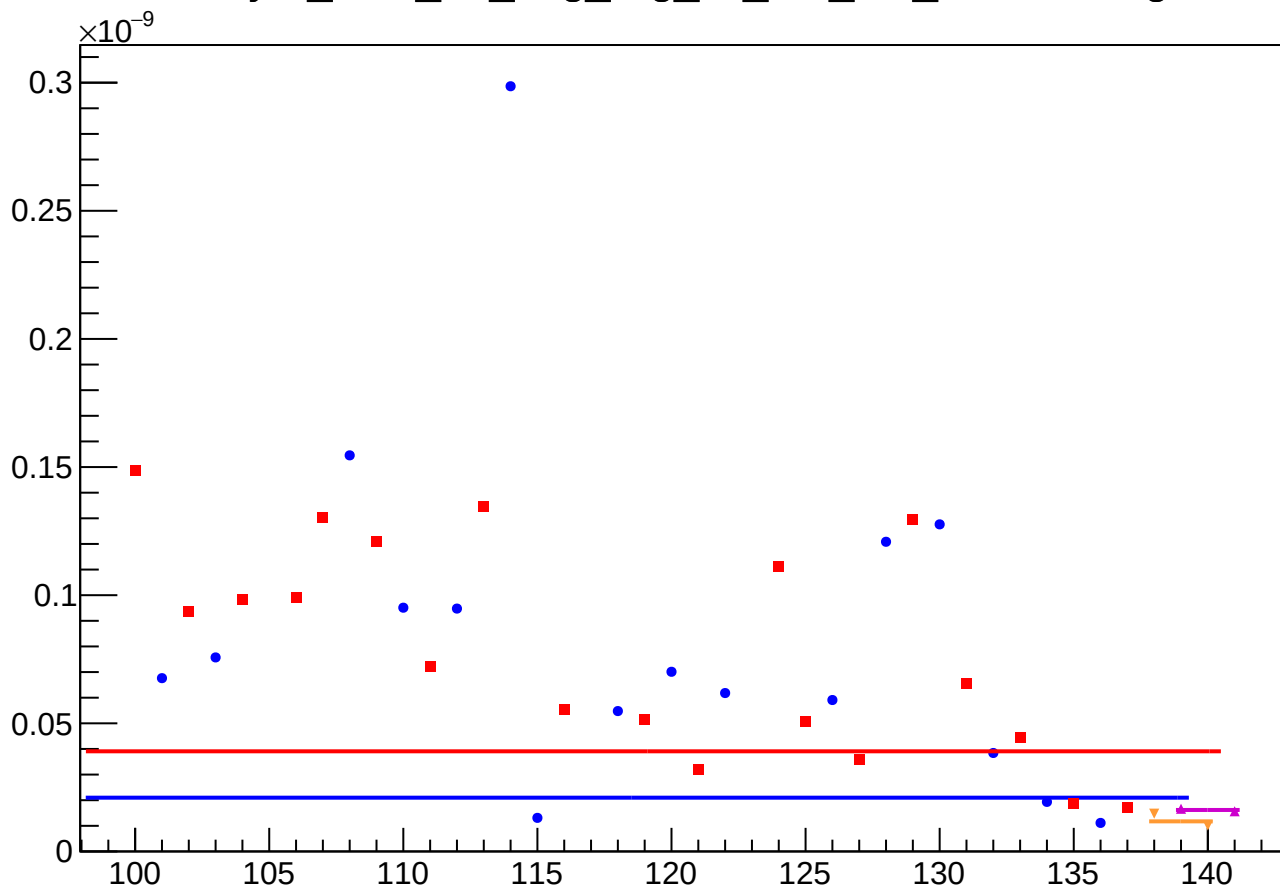
Left In: 0.000+/-0.000 χ^2/NDF : 0.7/1

+ sign -0.000+/-0.000 χ^2/NDF : 27.3/17

All: -0.000+/-0.000 χ^2/NDF : 54.7/38

- sign 0.000+/-0.000 χ^2/NDF : 27.0/20

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 44624.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 2073862.3/18

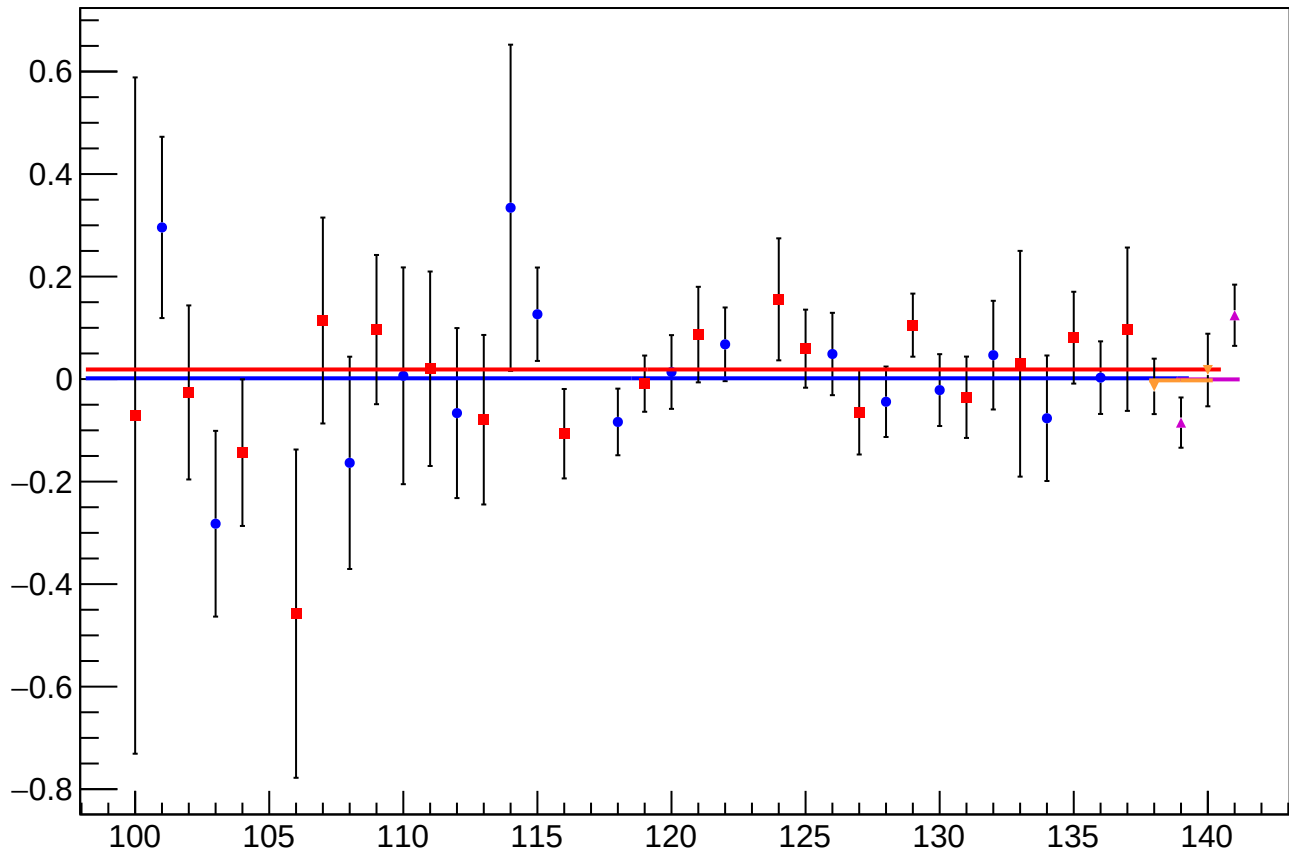
Left In: 0.000+/-0.000 χ^2/NDF : 1354.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3745170.0/17

All: 0.000+/-0.000 χ^2/NDF : 7102280.0/38

- sign 0.000+/-0.000 χ^2/NDF : 3017124.7/20

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

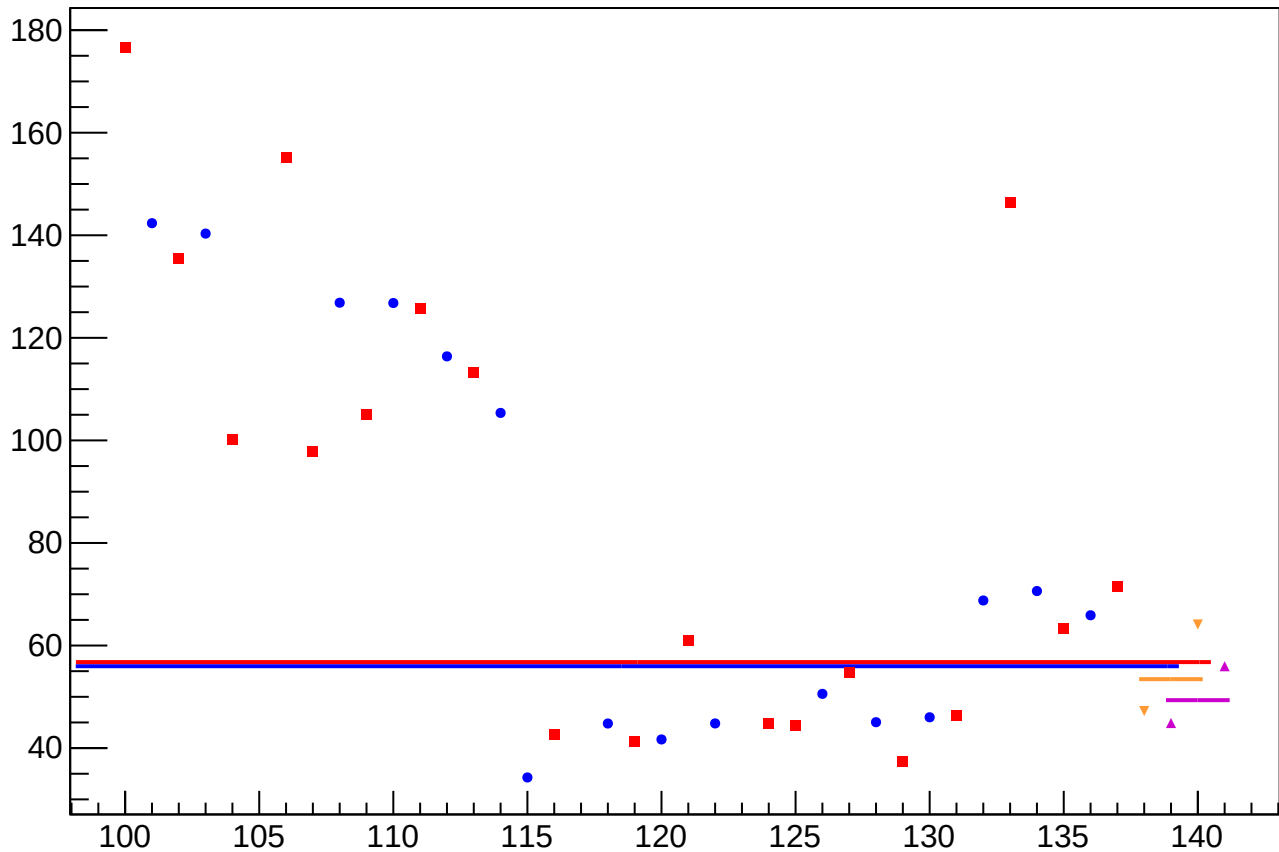
Left In: -0.001 ± 0.038 χ^2/NDF : 7.3/1

+ sign 0.001 ± 0.021 χ^2/NDF : 13.2/17

All: 0.007 ± 0.014 χ^2/NDF : 34.0/38

- sign 0.013 ± 0.020 χ^2/NDF : 20.6/20

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 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

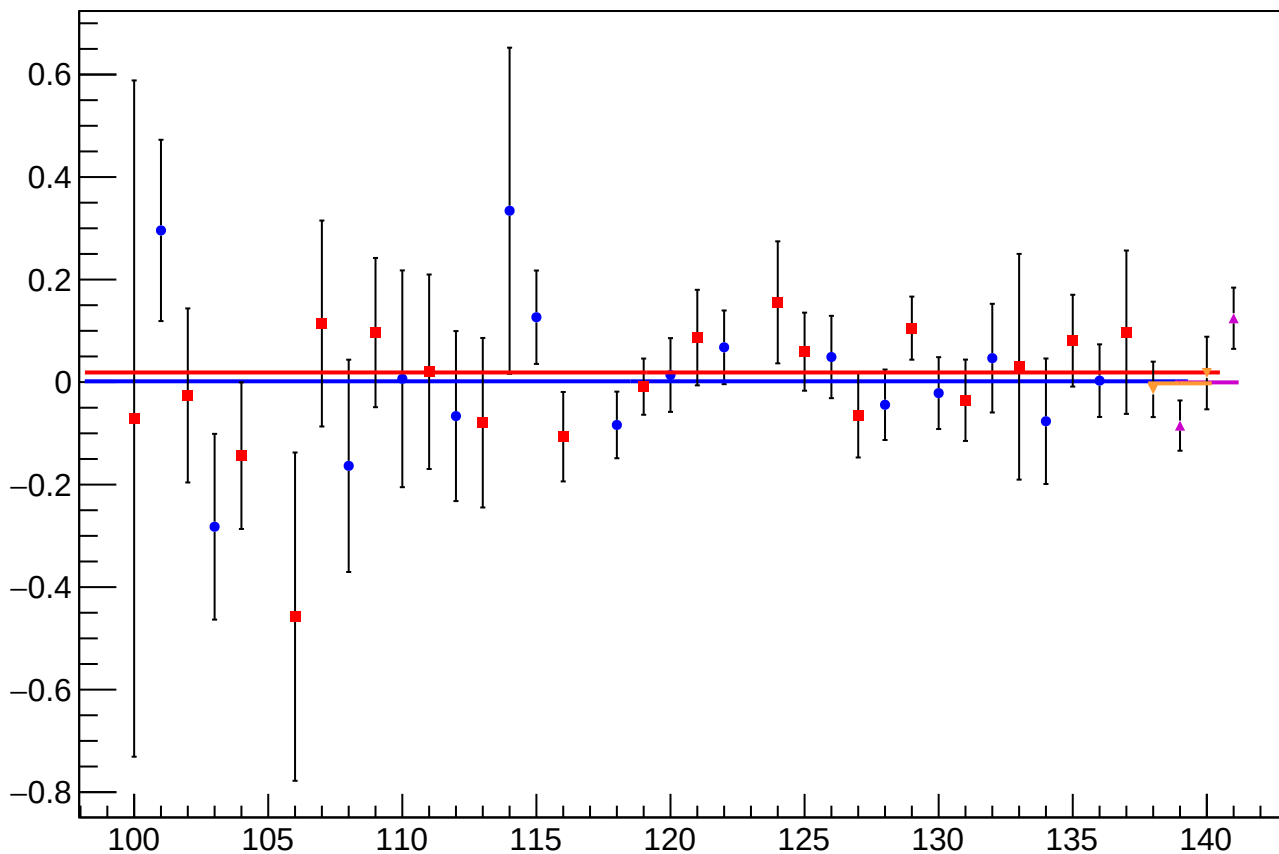
Left In: 49.348 $\pm$ 0.027 χ^2 /NDF: 41051.7/1

+ sign 55.390 $\pm$ 0.015 χ^2 /NDF: 2256937.9/17

All: 55.039 $\pm$ 0.010 χ^2 /NDF: 4907737.7/38

- sign 54.707 $\pm$ 0.014 χ^2 /NDF: 2649663.8/20

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

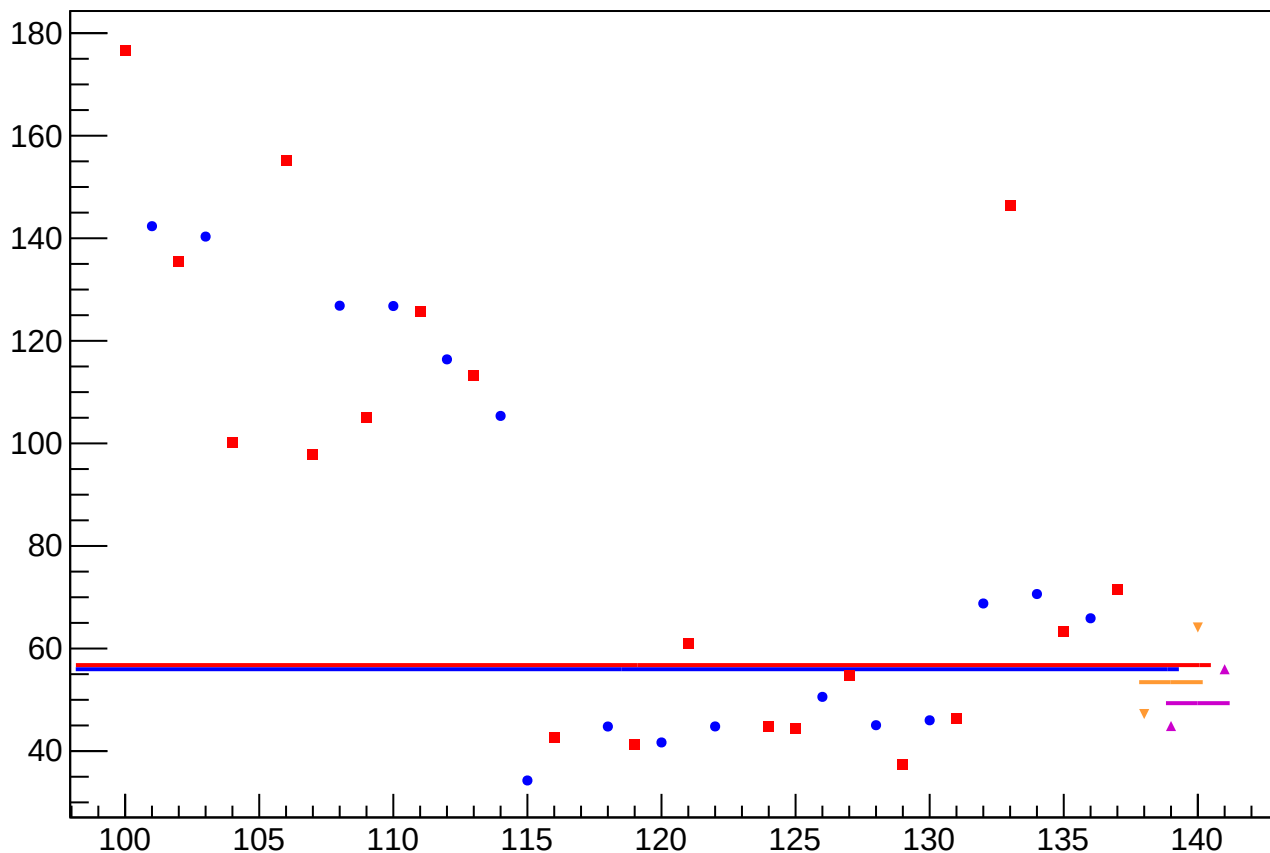
Left In: -0.001 ± 0.038 χ^2/NDF : 7.3/1

+ sign 0.001 ± 0.021 χ^2/NDF : 13.2/17

All: 0.007 ± 0.014 χ^2/NDF : 34.0/38

- sign 0.013 ± 0.020 χ^2/NDF : 20.6/20

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

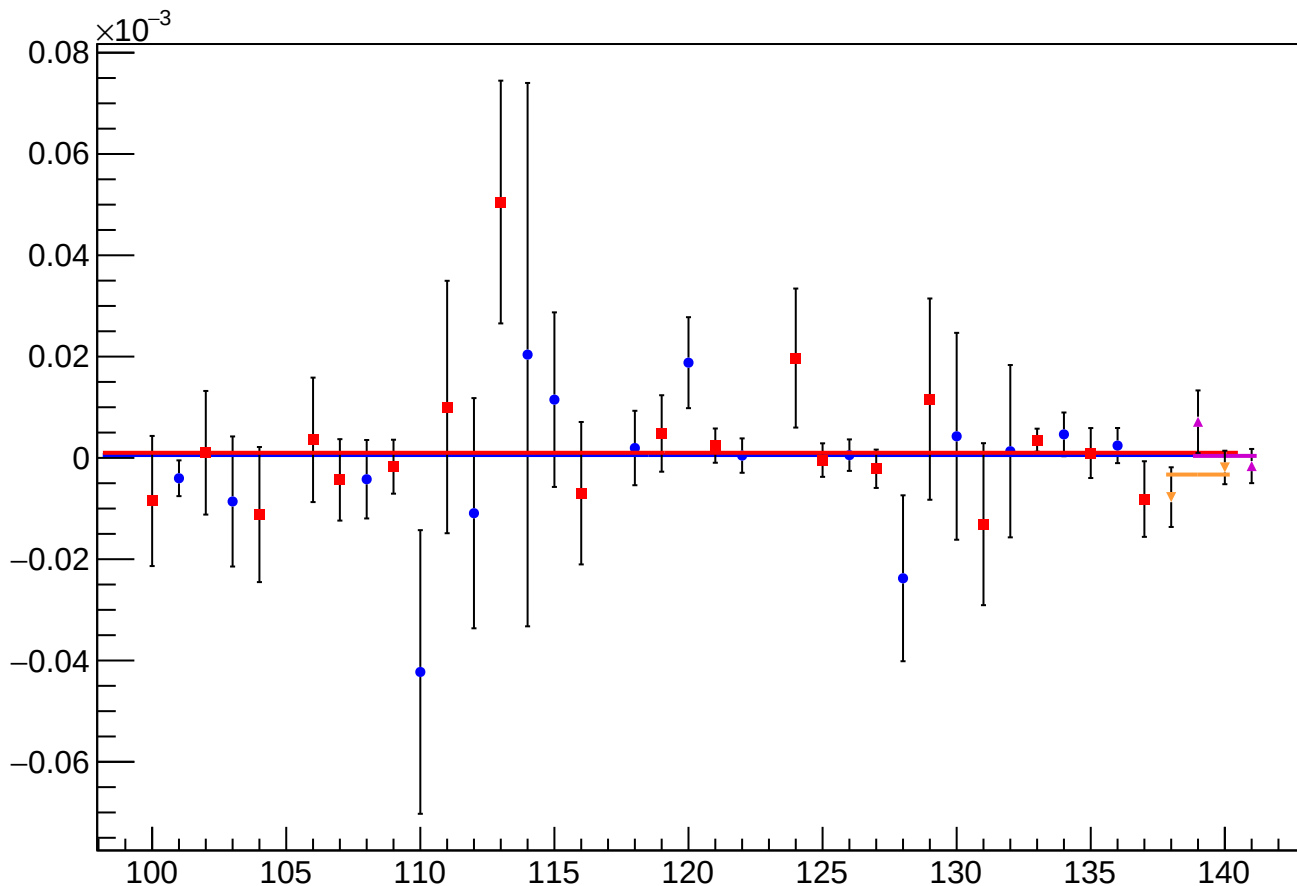
Left In: 49.348+/-0.027 χ^2 /NDF: 41051.7/1

+ sign 55.390+/-0.015 χ^2 /NDF: 2256937.9/17

All: 55.039+/-0.010 χ^2 /NDF: 4907737.7/38

- sign 54.707+/-0.014 χ^2 /NDF: 2649663.8/20

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

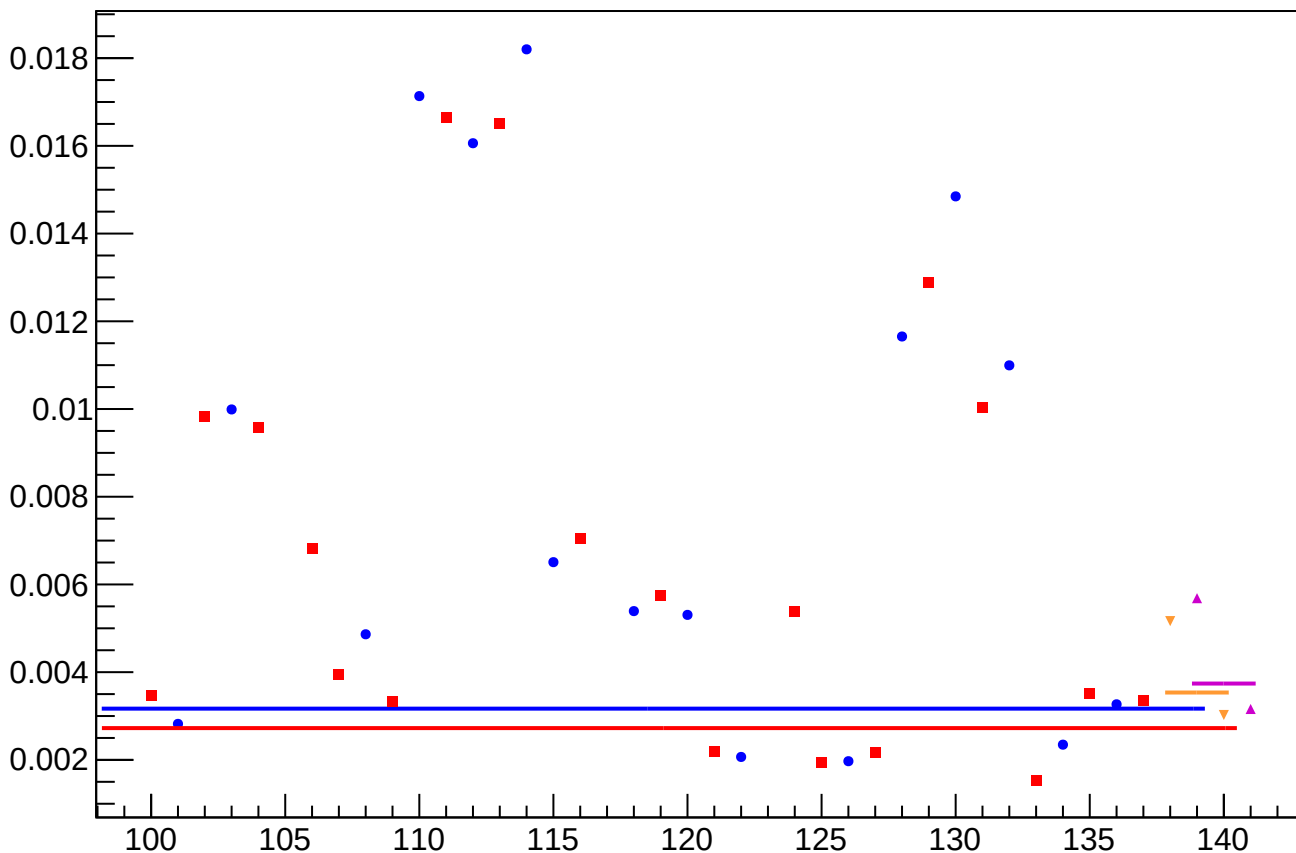
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.5/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.3/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/20

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

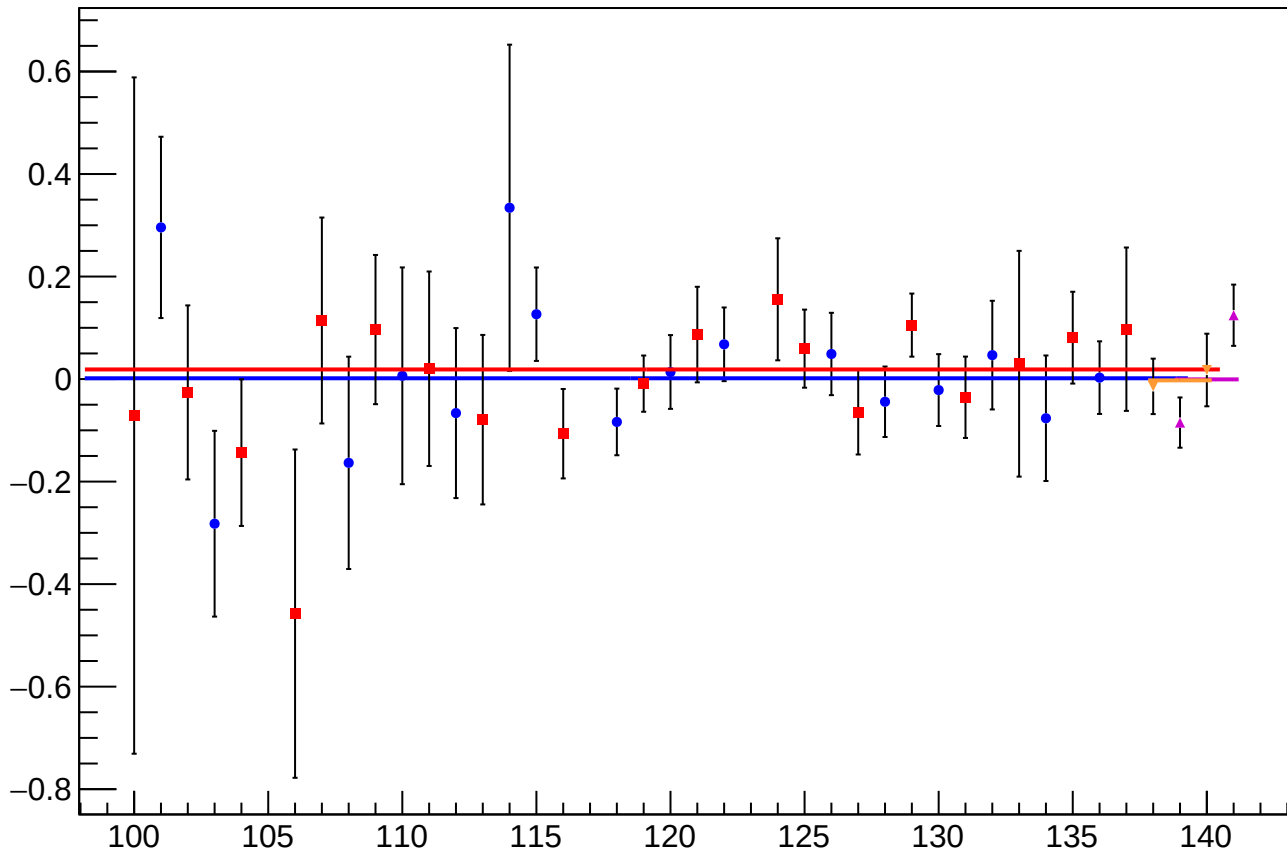
Left In: 0.004+/-0.000 χ^2/NDF :257261.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 4772302.1/17

All: 0.003+/-0.000 χ^2/NDF : 10466051.4/38

- sign 0.003+/-0.000 χ^2/NDF : 5609007.0/20

asym_sam_26_avg_eigen_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

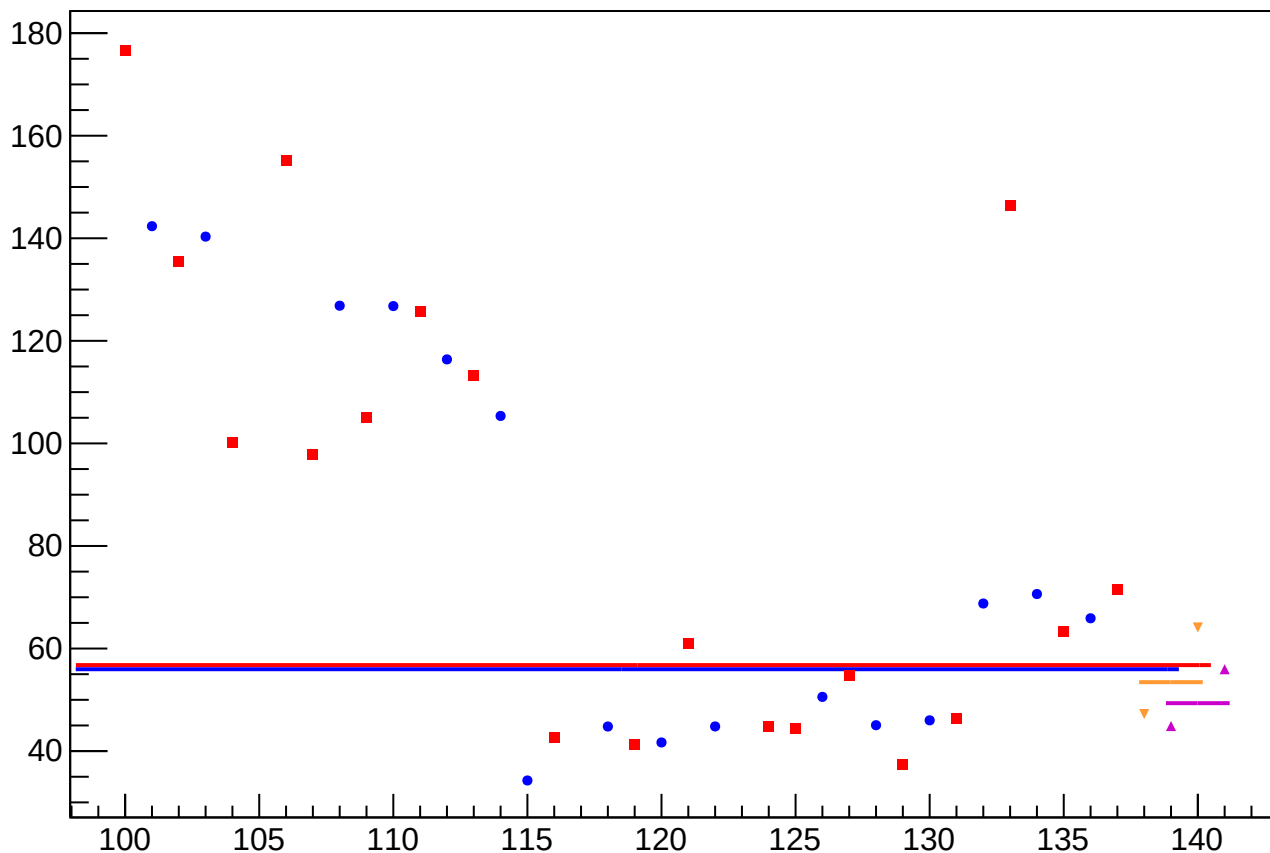
Left In: -0.001 ± 0.038 χ^2/NDF : 7.3/1

+ sign 0.001 ± 0.021 χ^2/NDF : 13.2/17

All: 0.007 ± 0.014 χ^2/NDF : 34.0/38

- sign 0.013 ± 0.020 χ^2/NDF : 20.6/20

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 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

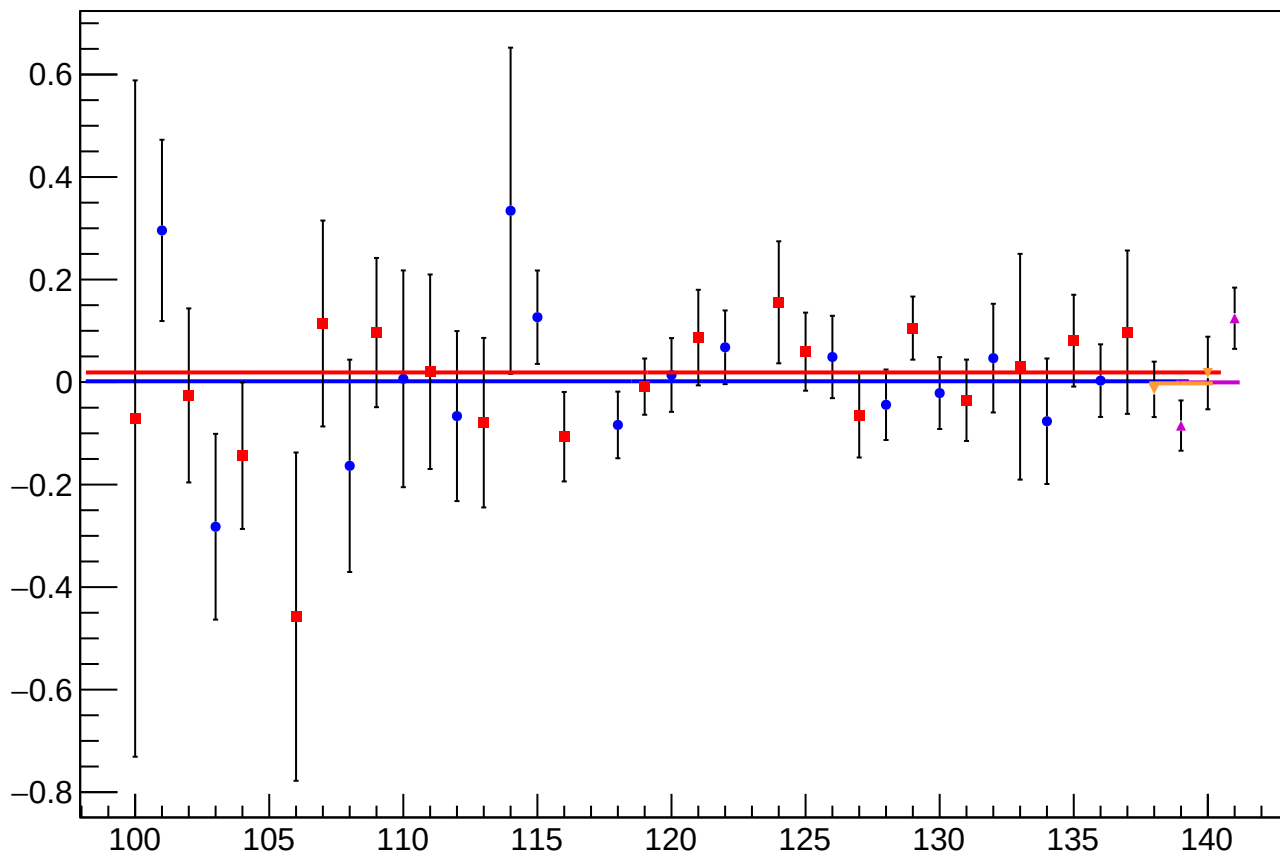
Left In: 49.349 $\pm$ 0.027 χ^2 /NDF: 41056.9/1

+ sign 55.390 $\pm$ 0.015 χ^2 /NDF: 2256873.8/17

All: 55.039 $\pm$ 0.010 χ^2 /NDF: 4907605.8/38

- sign 54.707 $\pm$ 0.014 χ^2 /NDF: 2649596.3/20

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 $\chi^2/\text{NDF}: 13.1/15$

Left Out: -0.002 ± 0.043 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 0.019 ± 0.024 $\chi^2/\text{NDF}: 13.1/18$

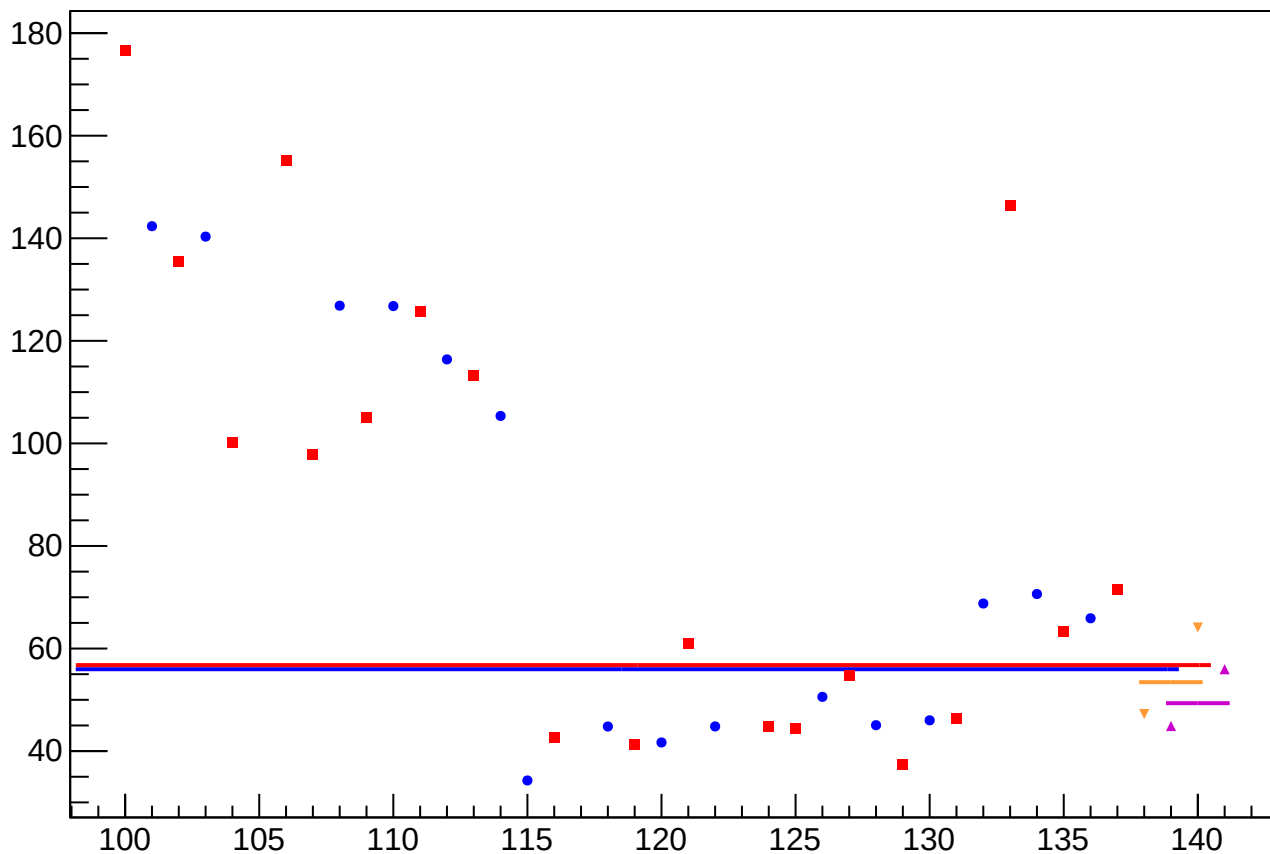
Left In: -0.001 ± 0.038 $\chi^2/\text{NDF}: 7.3/1$

+ sign 0.001 ± 0.021 $\chi^2/\text{NDF}: 13.2/17$

All: 0.007 ± 0.014 $\chi^2/\text{NDF}: 34.0/38$

- sign 0.013 ± 0.020 $\chi^2/\text{NDF}: 20.6/20$

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

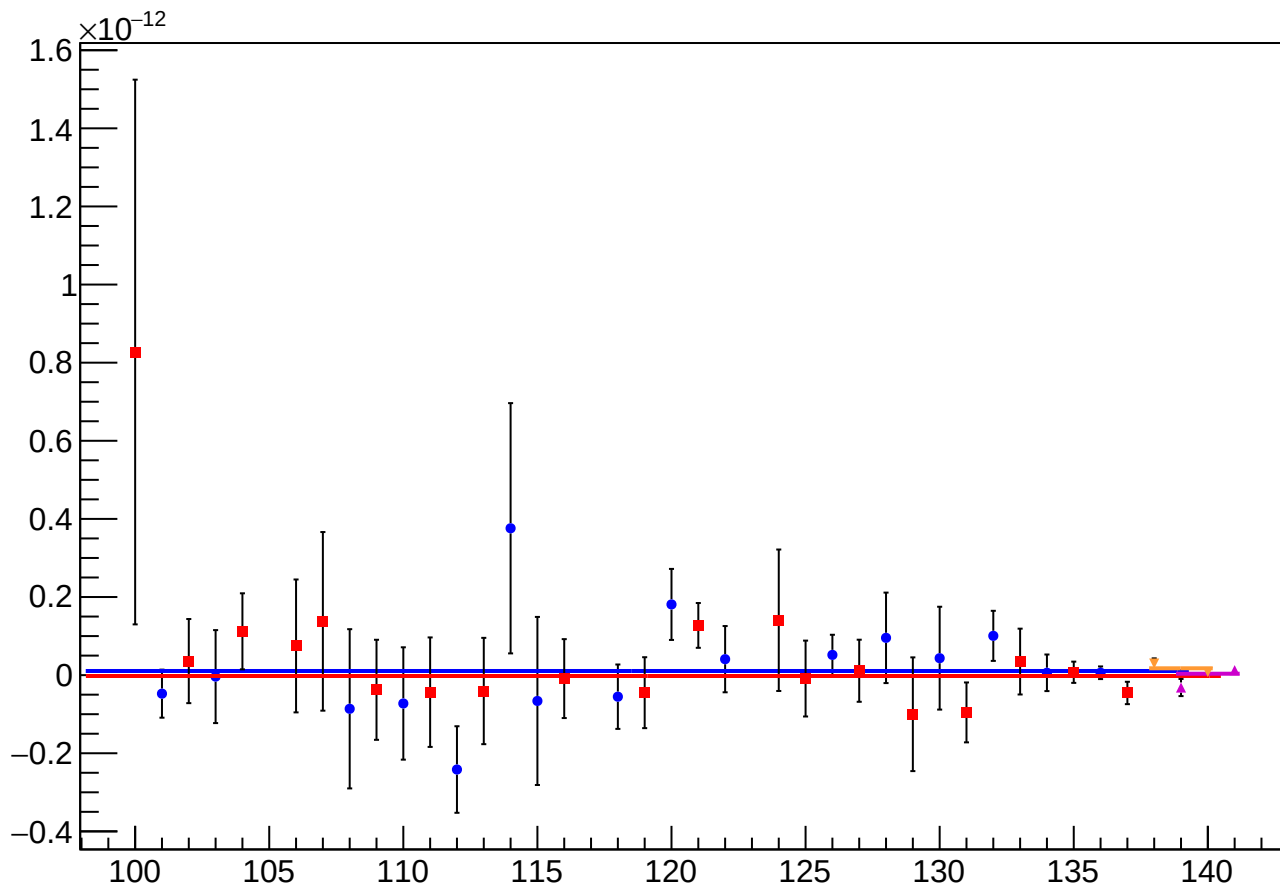
Left In: 49.349 $\pm$ 0.027 χ^2 /NDF: 41056.9/1

+ sign 55.390 $\pm$ 0.015 χ^2 /NDF: 2256873.8/17

All: 55.039 $\pm$ 0.010 χ^2 /NDF: 4907605.8/38

- sign 54.707 $\pm$ 0.014 χ^2 /NDF: 2649596.3/20

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.5/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

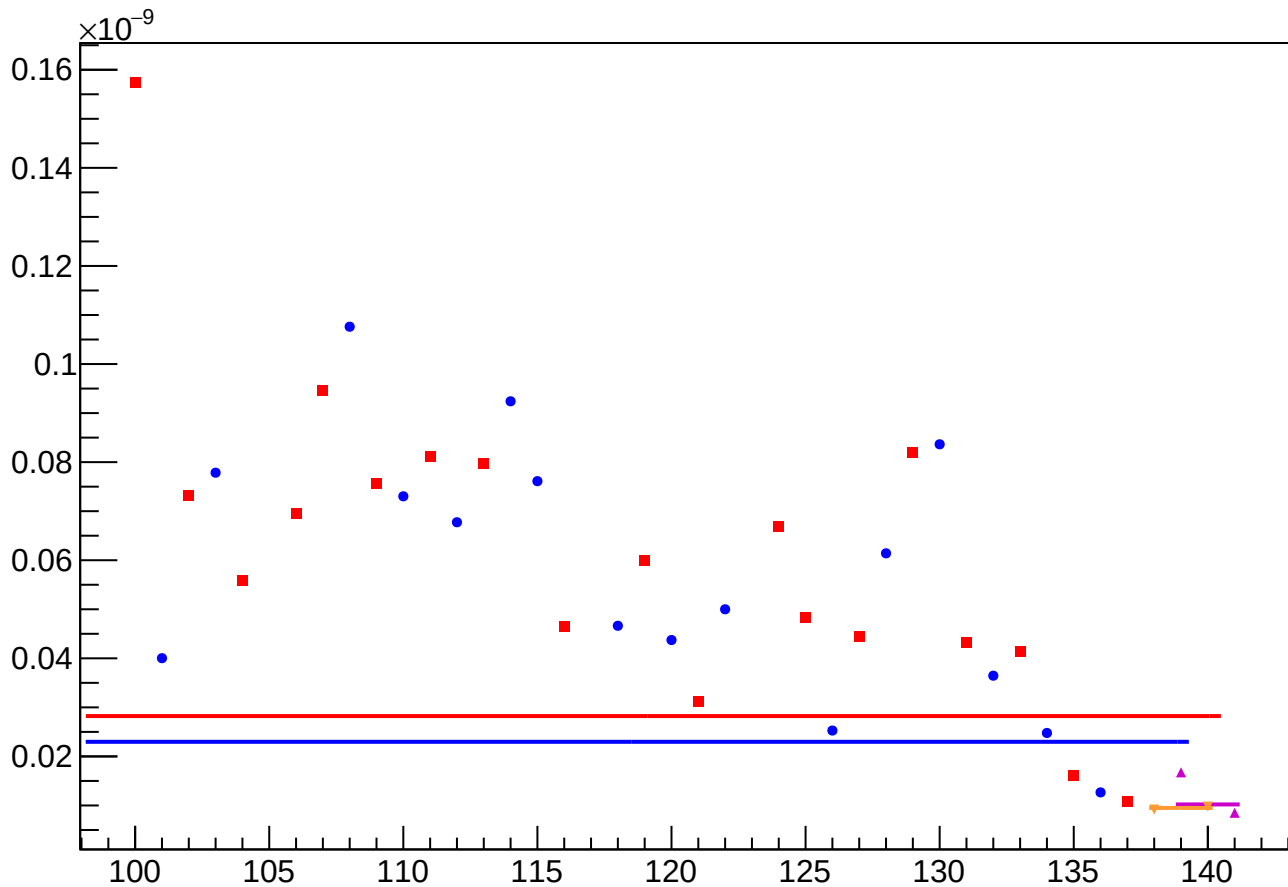
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/20

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

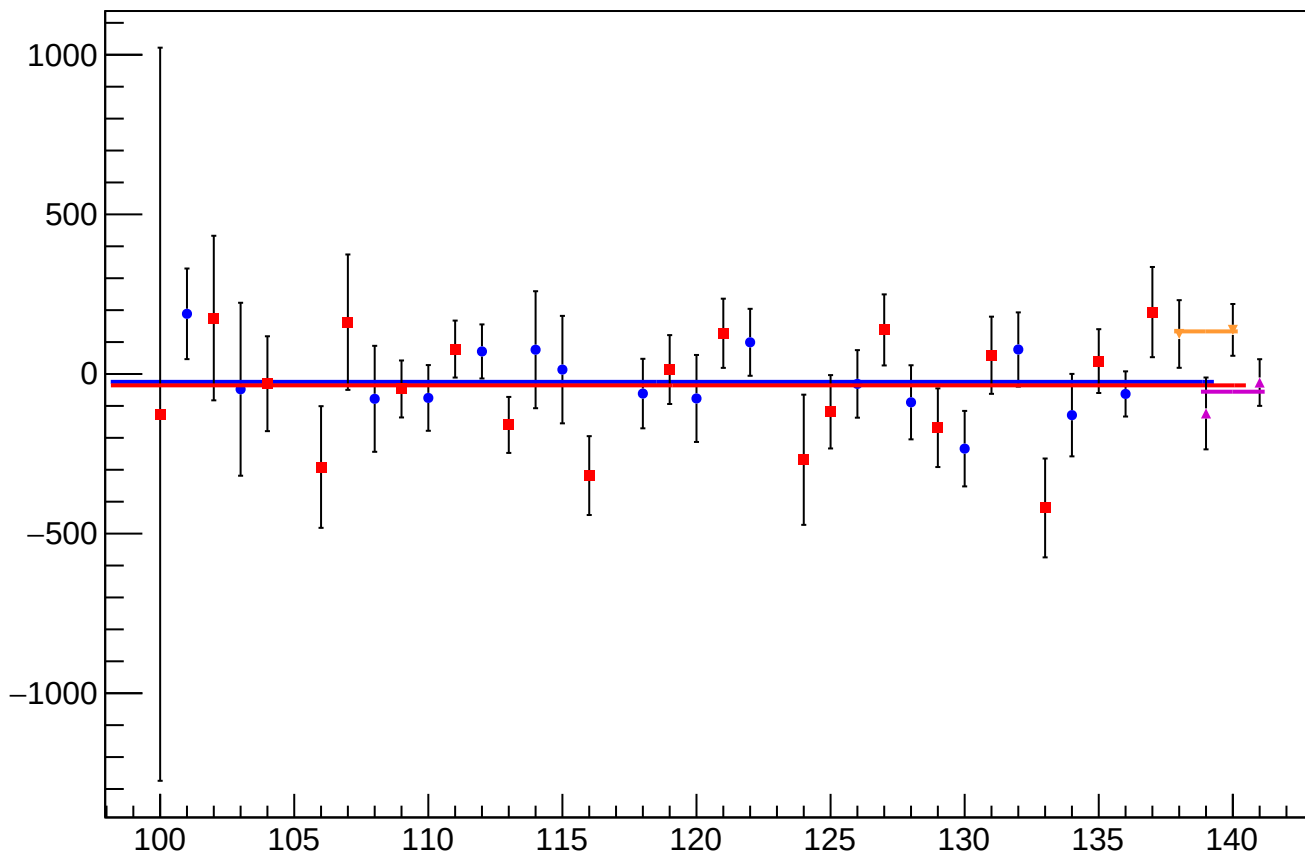
Left In: 0.000+/-0.000 χ^2/NDF :224968.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 5211031.6/17

All: 0.000+/-0.000 χ^2/NDF : 11217297.4/38

- sign 0.000+/-0.000 χ^2/NDF : 5960723.2/20

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 133.436 ± 64.409 χ^2/NDF : 0.0/1

Right Out: -35.582 ± 28.454 χ^2/NDF : 30.1/18

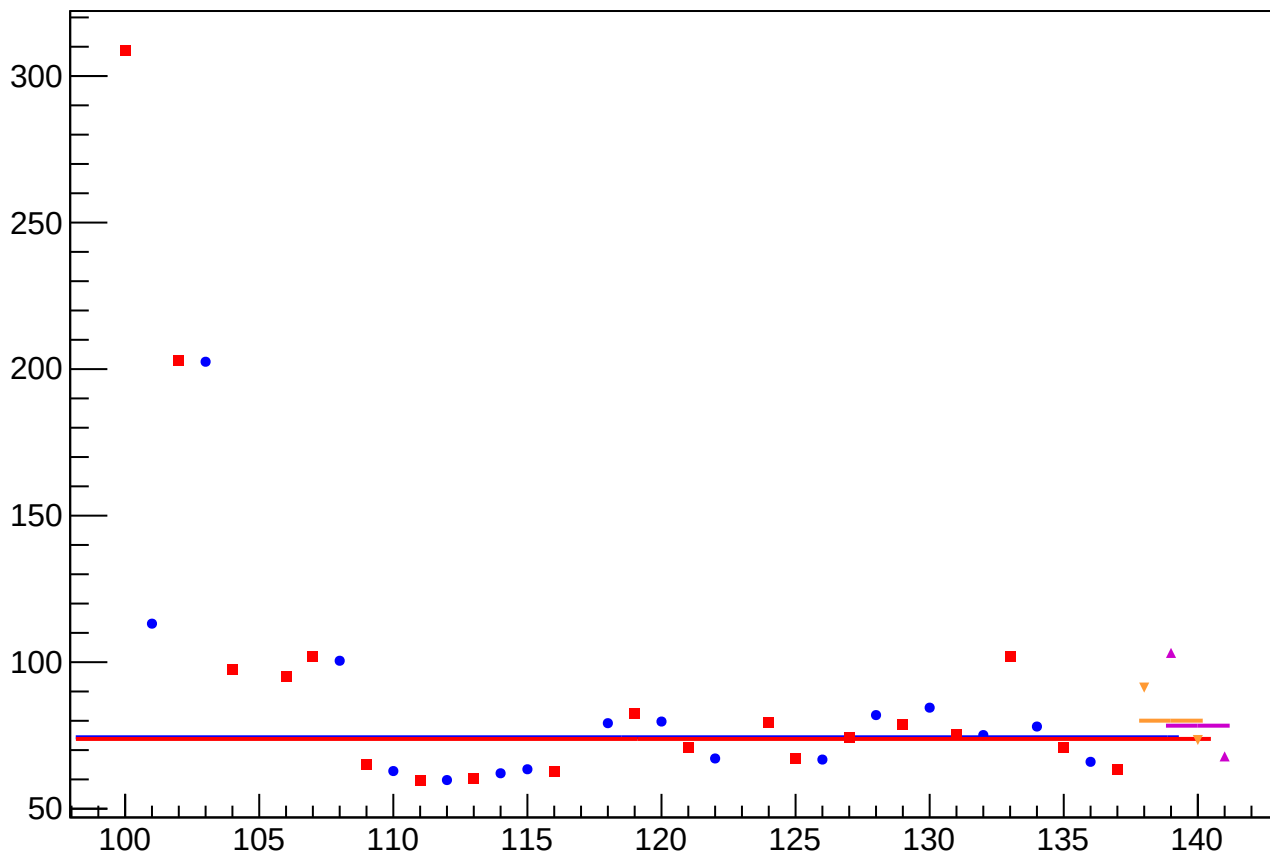
Left In: -55.483 ± 61.307 χ^2/NDF : 0.5/1

+ sign 1.878 ± 26.377 χ^2/NDF : 16.0/17

All: -19.061 ± 18.448 χ^2/NDF : 48.0/38

- sign -39.109 ± 25.810 χ^2/NDF : 30.7/20

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

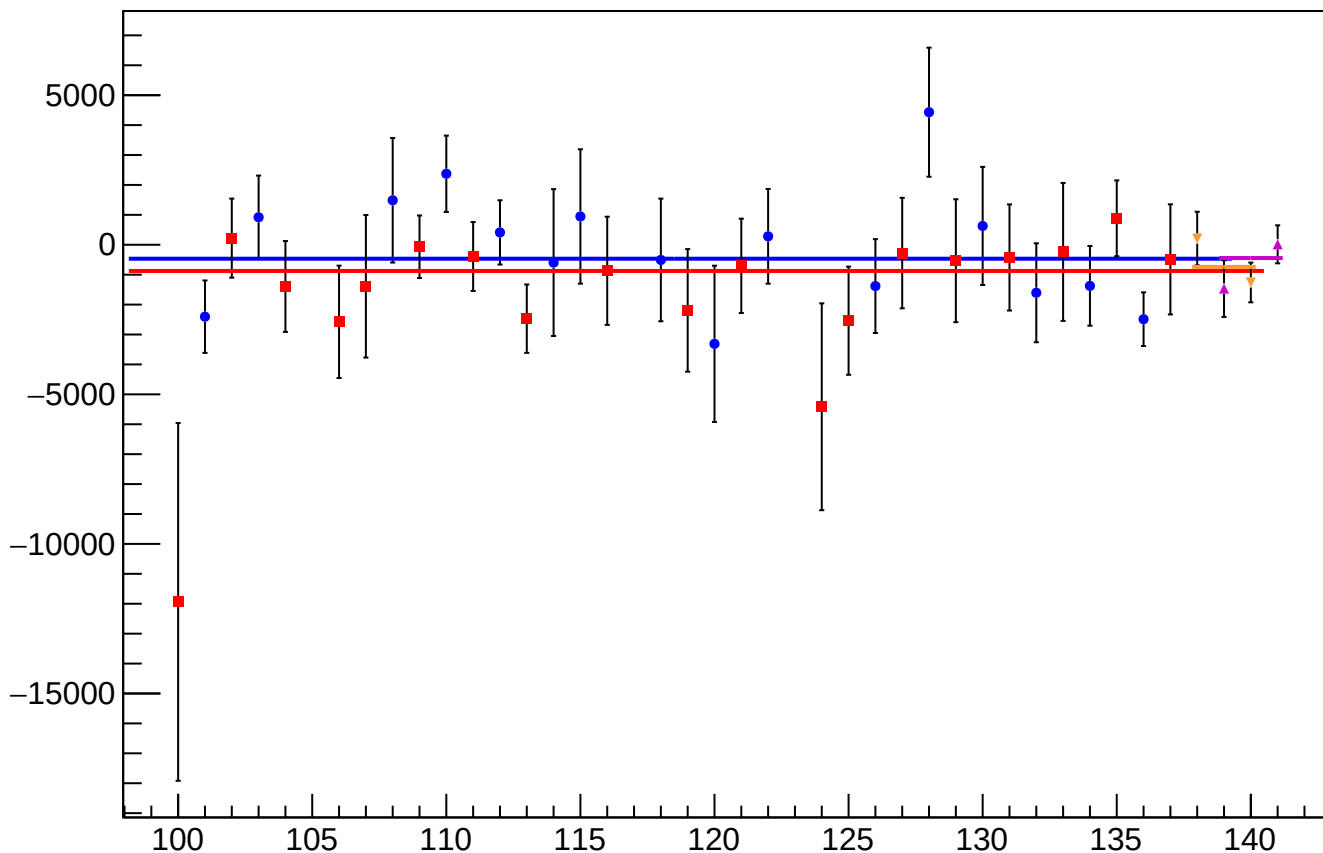
Left In: 78.336 $\pm$ 0.043 χ^2 /NDF: 138533.9/1

+ sign 75.321 $\pm$ 0.019 χ^2 /NDF: 876441.3/17

All: 74.961 $\pm$ 0.013 χ^2 /NDF: 1956602.8/38

- sign 74.616 $\pm$ 0.018 χ^2 /NDF: 1079432.7/20

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

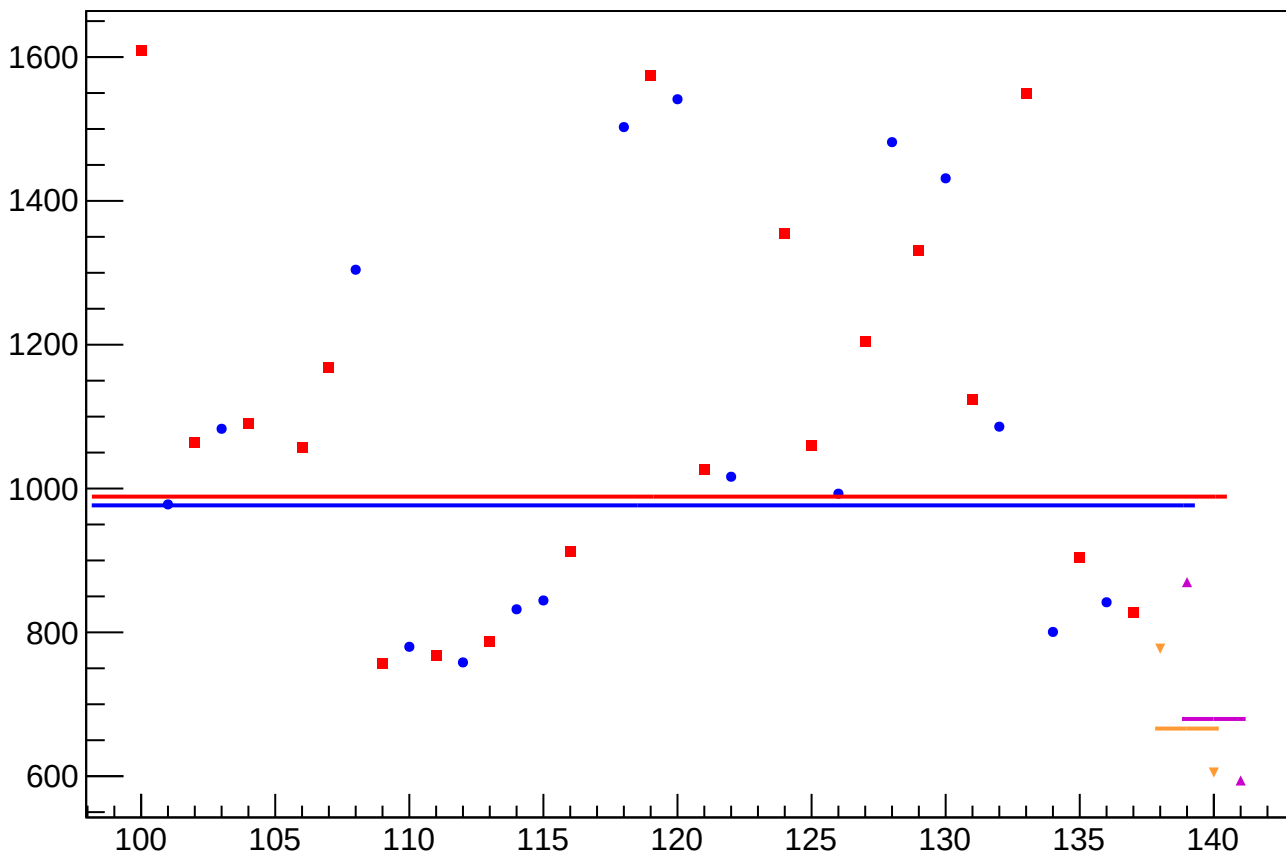
Left In: -444.049+/-527.854 χ^2 /NDF:1.7/1

+ sign -556.843+/-306.736 χ^2 /NDF: 25.6/17

All: -645.199+/-215.995 χ^2 /NDF: 41.0/38

- sign -732.103+/-304.206 χ^2 /NDF: 15.2/20

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF : 736605.1/15

Left Out: 666.210+/-0.377 χ^2/NDF : 47817.8/1

Right Out: 988.763+/-0.263 χ^2/NDF : 715703.4/18

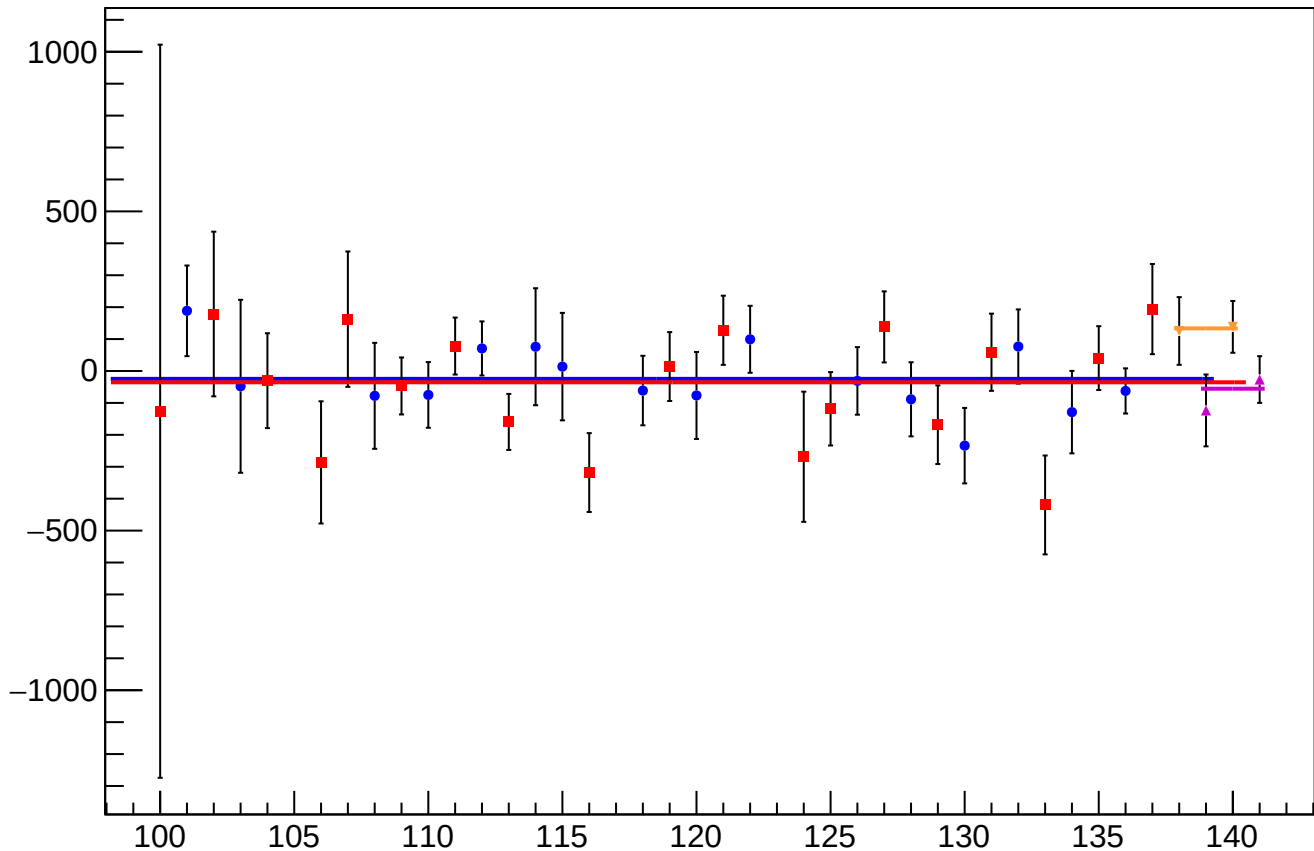
Left In: 679.566+/-0.373 χ^2/NDF : 116839.3/1

+ sign 873.836+/-0.217 χ^2/NDF : 1237893.8/17

All: 880.003+/-0.153 χ^2/NDF : 2530357.0/38

- sign 886.070+/-0.215 χ^2/NDF : 1290859.3/20

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 133.444 ± 64.409 χ^2/NDF : 0.0/1

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

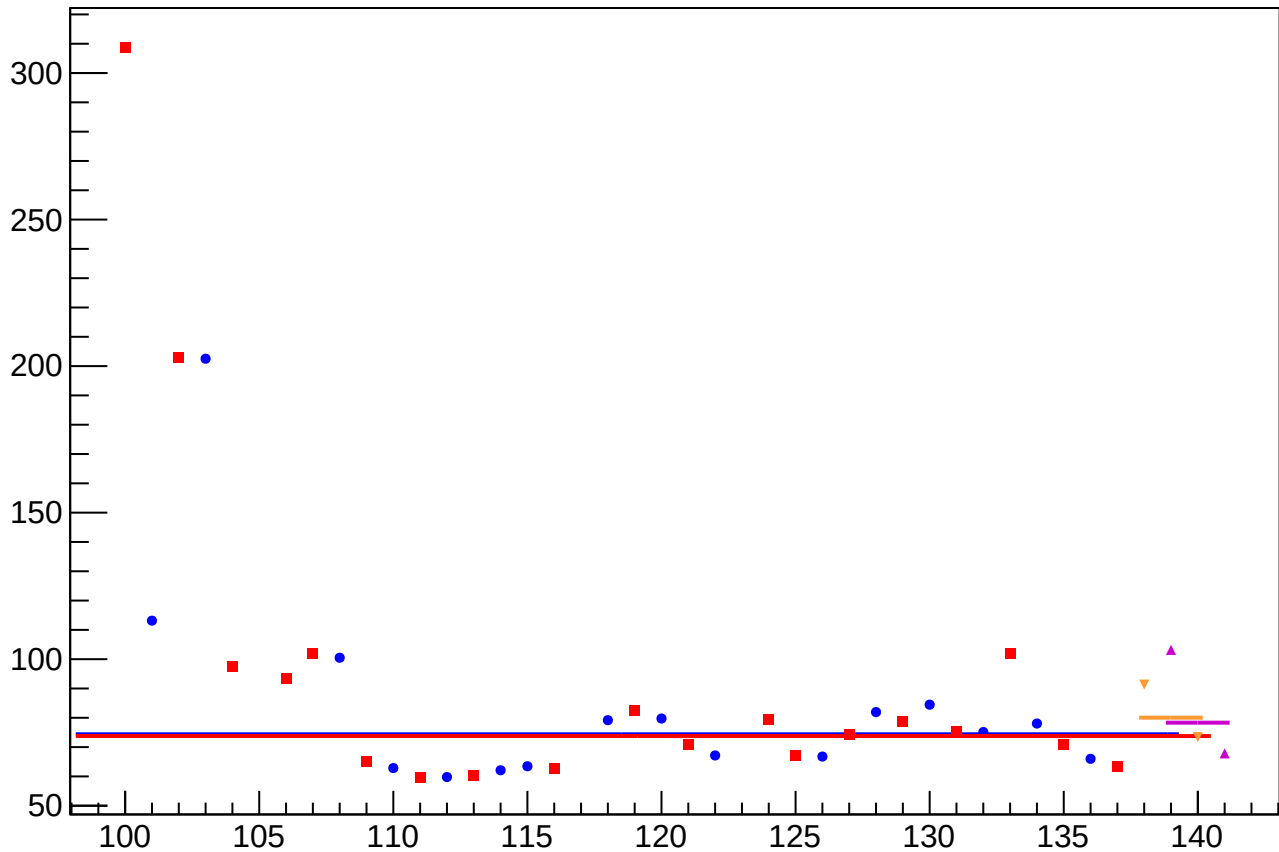
Left In: -55.483 ± 61.307 χ^2/NDF : 0.5/1

+ sign 1.873 ± 26.377 χ^2/NDF : 16.0/17

All: -18.978 ± 18.448 χ^2/NDF : 47.9/38

- sign -38.946 ± 25.812 χ^2/NDF : 30.6/20

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

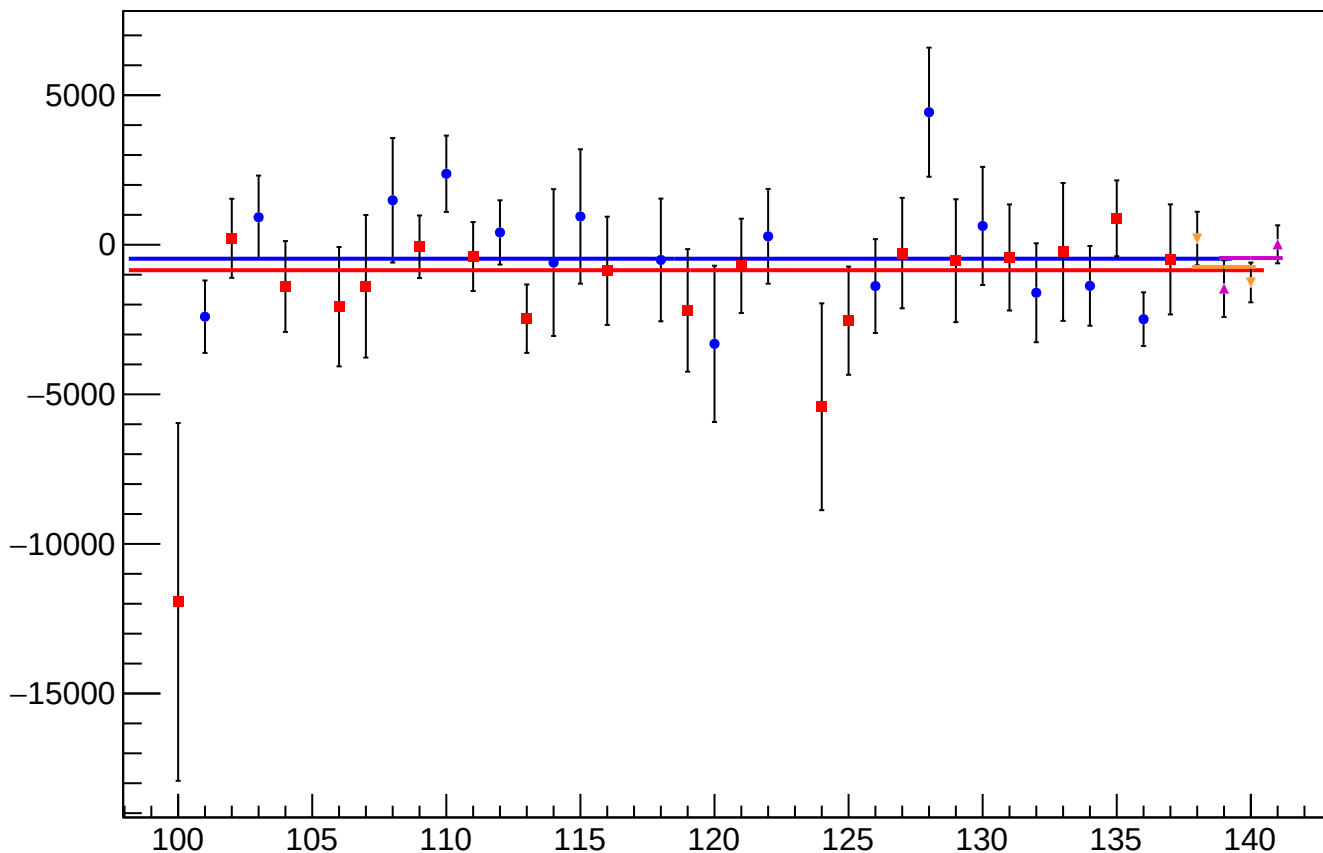
Left In: 78.336 $\pm$ 0.043 χ^2 /NDF: 138533.9/1

+ sign 75.321 $\pm$ 0.019 χ^2 /NDF: 876443.4/17

All: 74.943 $\pm$ 0.013 χ^2 /NDF: 1953058.5/38

- sign 74.582 $\pm$ 0.018 χ^2 /NDF: 1075813.7/20

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

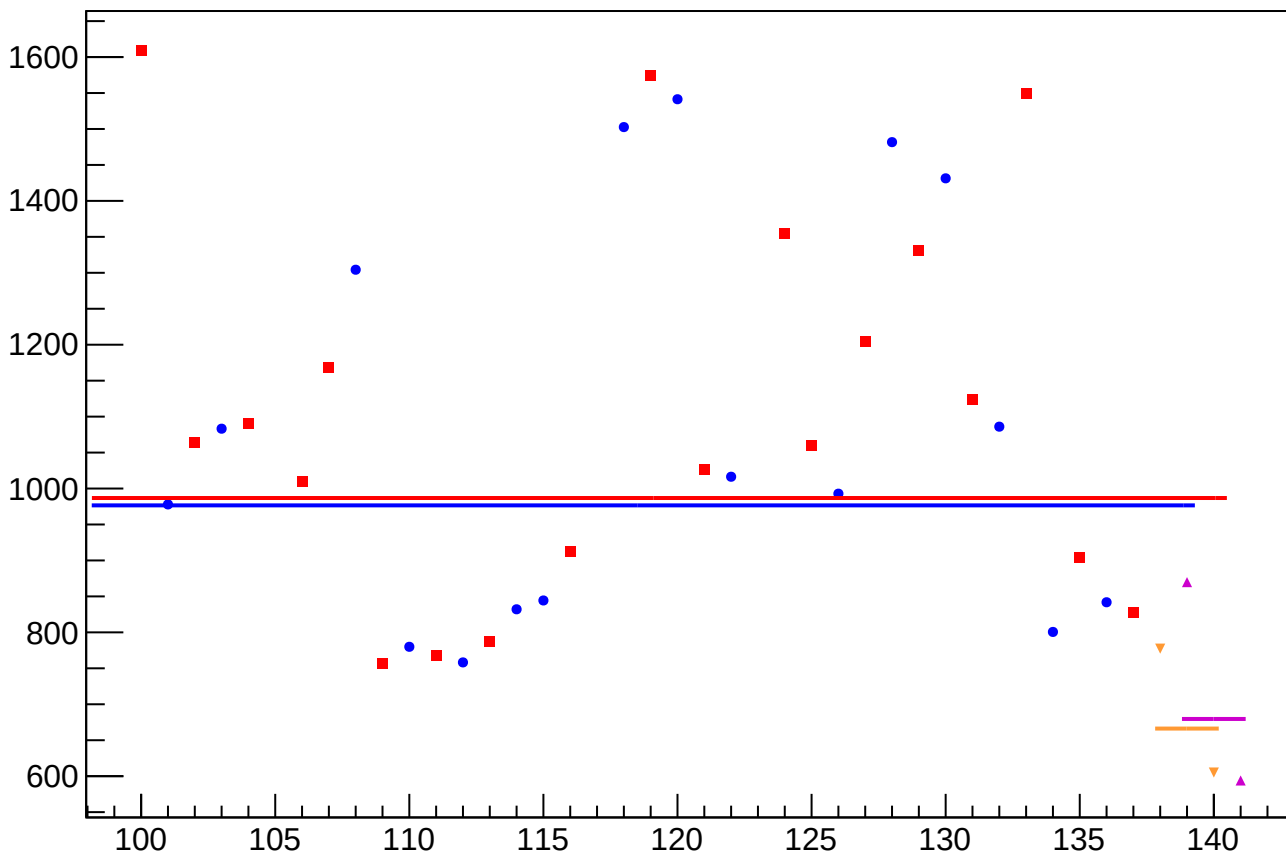
Left In: -444.051+/-527.855 χ^2 /NDF:1.7/1

+ sign -556.831+/-306.738 χ^2 /NDF: 25.6/17

All: -636.583+/-216.162 χ^2 /NDF: 40.4/38

- sign -715.265+/-304.671 χ^2 /NDF: 14.7/20

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF : 736628.5/15

Left Out: 666.210+/-0.377 χ^2/NDF : 47817.7/1

Right Out: 986.823+/-0.264 χ^2/NDF : 713316.0/18

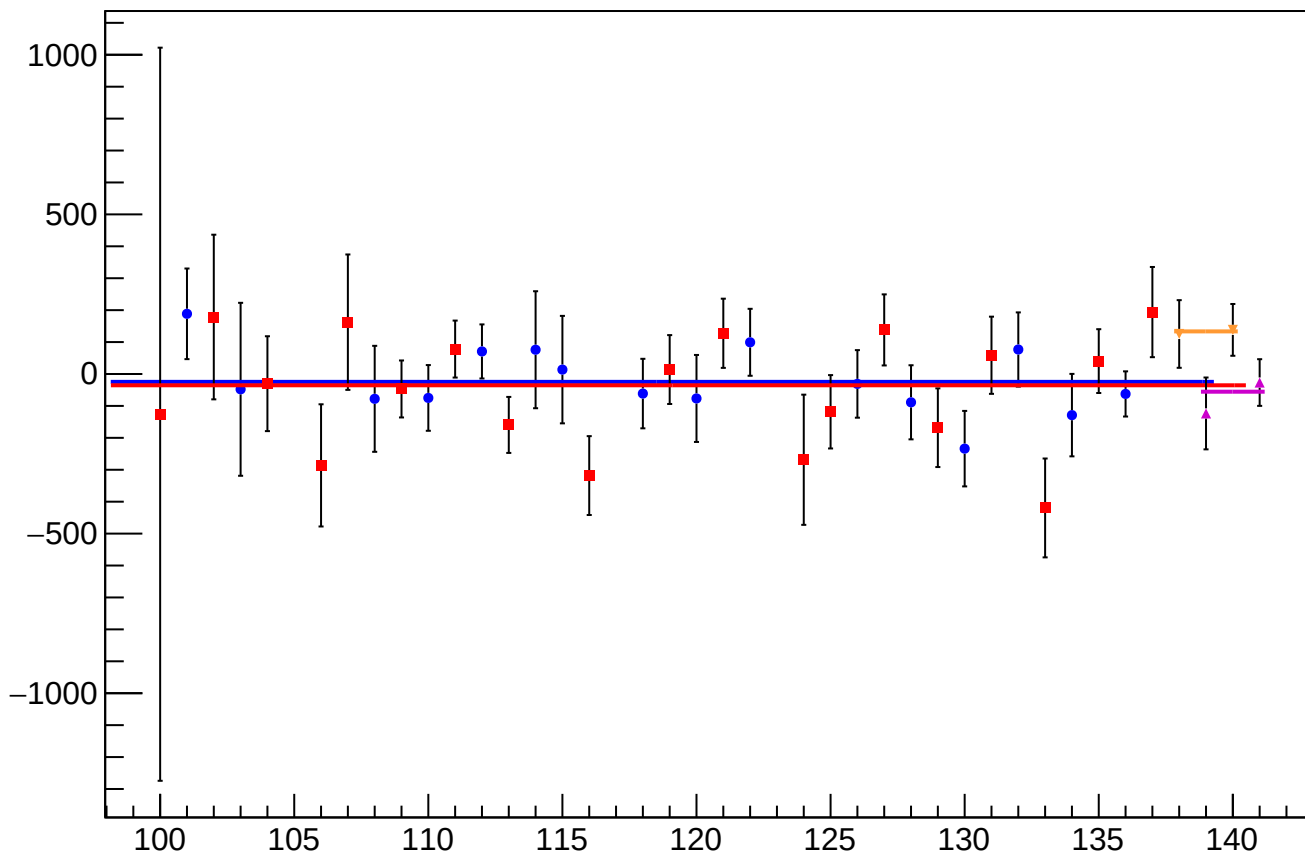
Left In: 679.567+/-0.373 χ^2/NDF : 116837.9/1

+ sign 873.838+/-0.217 χ^2/NDF : 1237934.8/17

All: 879.186+/-0.153 χ^2/NDF : 2521187.6/38

- sign 884.462+/-0.215 χ^2/NDF : 1282045.1/20

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 133.444 ± 64.409 χ^2/NDF : 0.0/1

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

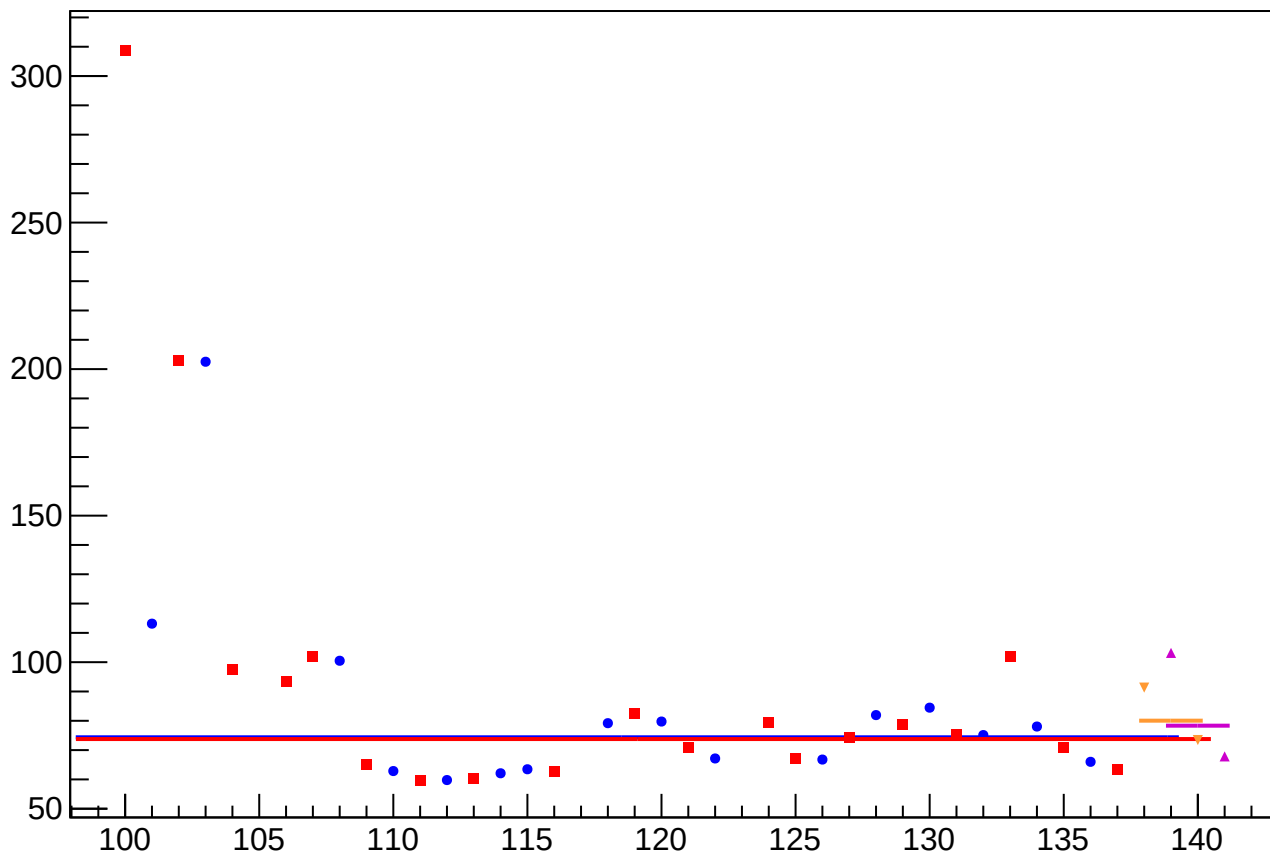
Left In: -55.483 ± 61.307 χ^2/NDF : 0.5/1

+ sign 1.873 ± 26.377 χ^2/NDF : 16.0/17

All: -18.978 ± 18.448 χ^2/NDF : 47.9/38

- sign -38.946 ± 25.812 χ^2/NDF : 30.6/20

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

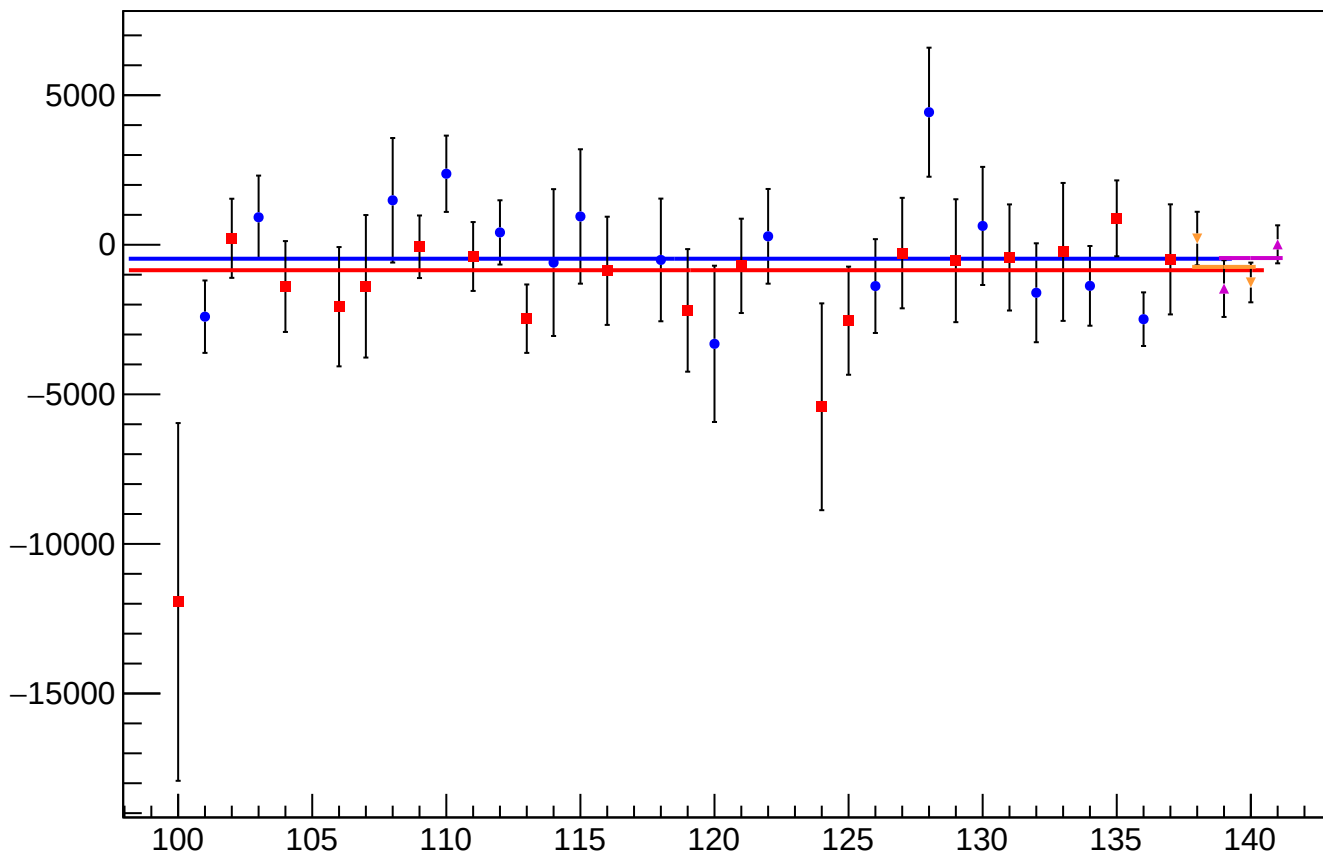
Left In: 78.336 $\pm$ 0.043 χ^2 /NDF: 138533.9/1

+ sign 75.321 $\pm$ 0.019 χ^2 /NDF: 876443.4/17

All: 74.943 $\pm$ 0.013 χ^2 /NDF: 1953058.5/38

- sign 74.582 $\pm$ 0.018 χ^2 /NDF: 1075813.7/20

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

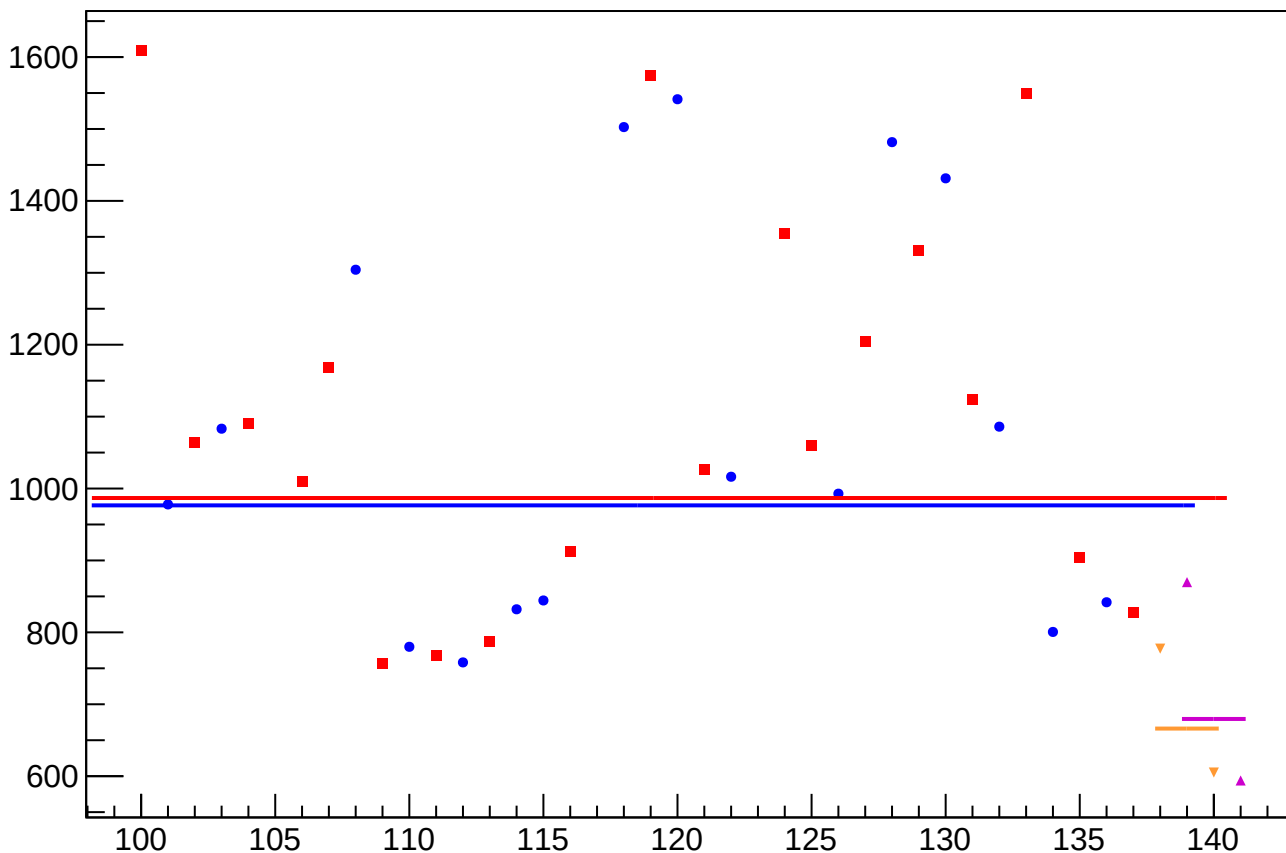
Left In: -444.051+/-527.855 χ^2/NDF : 1.7/1

+ sign -556.831+/-306.738 χ^2/NDF : 25.6/17

All: -636.583+/-216.162 χ^2/NDF : 40.4/38

- sign -715.265+/-304.671 χ^2/NDF : 14.7/20

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF : 736628.5/15

Left Out: 666.210+/-0.377 χ^2/NDF : 47817.7/1

Right Out: 986.823+/-0.264 χ^2/NDF : 713316.0/18

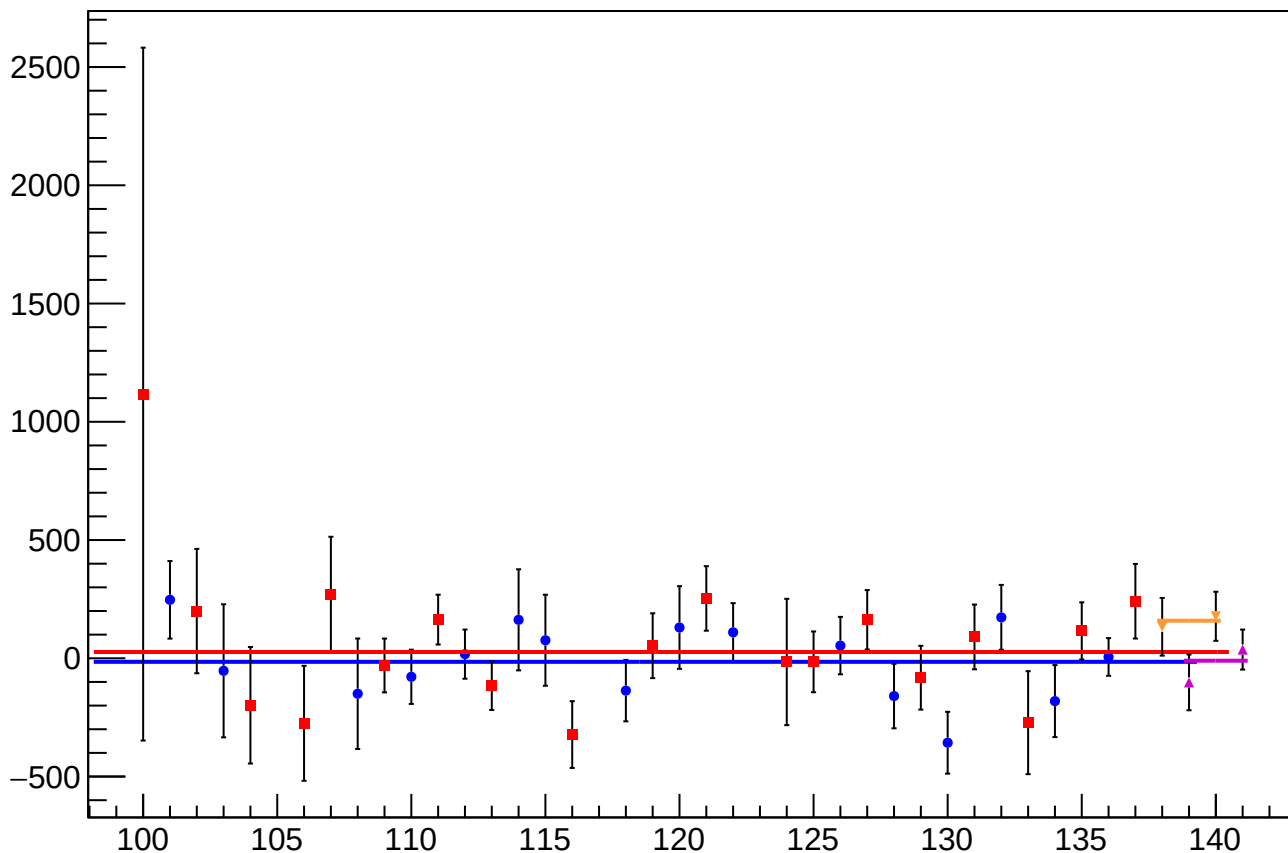
Left In: 679.567+/-0.373 χ^2/NDF : 116837.9/1

+ sign 873.838+/-0.217 χ^2/NDF : 1237934.8/17

All: 879.186+/-0.153 χ^2/NDF : 2521187.6/38

- sign 884.462+/-0.215 χ^2/NDF : 1282045.1/20

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 158.969 ± 79.030 χ^2/NDF : 0.1/1

Right Out: 26.654 ± 34.073 χ^2/NDF : 23.6/18

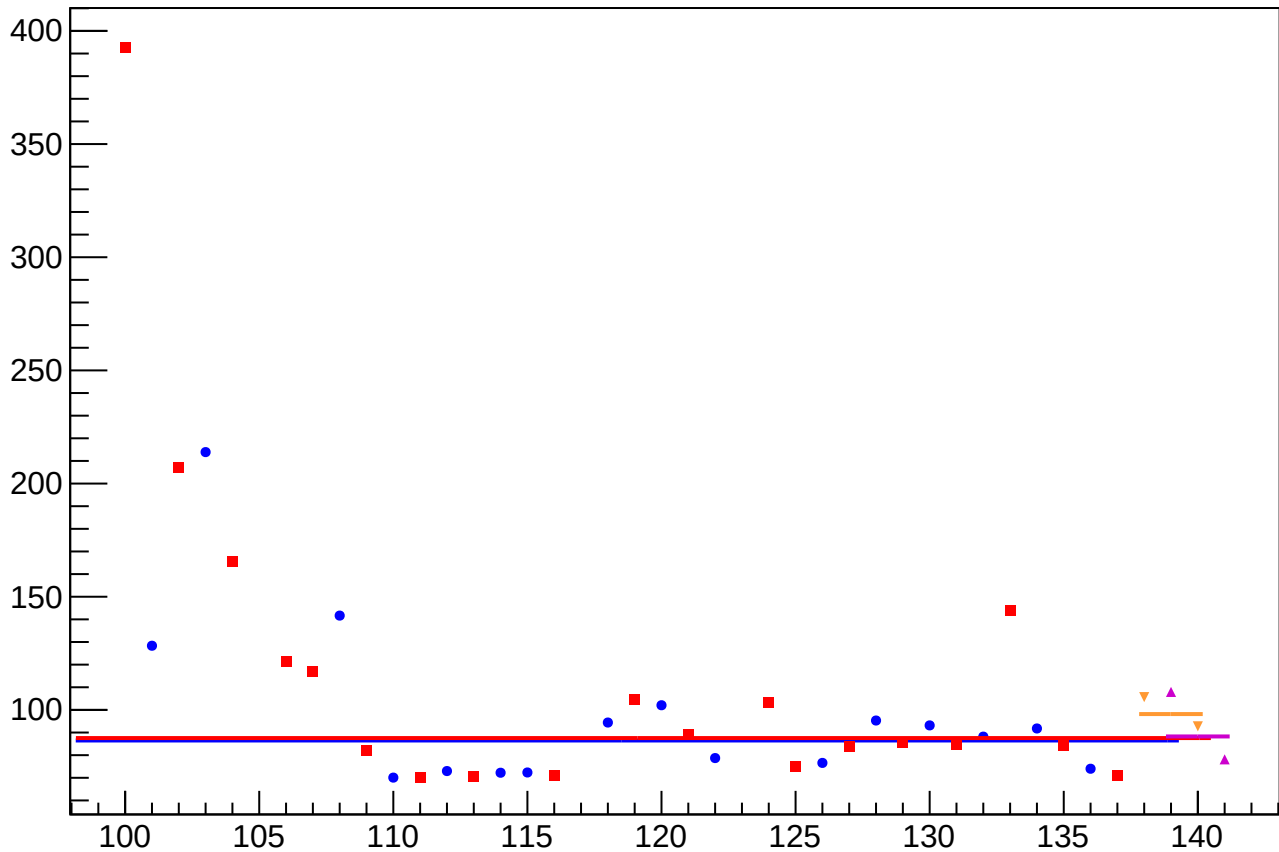
Left In: -10.233 ± 68.697 χ^2/NDF : 0.9/1

+ sign 11.888 ± 31.047 χ^2/NDF : 22.4/17

All: 15.693 ± 21.766 χ^2/NDF : 47.2/38

- sign 19.372 ± 30.525 χ^2/NDF : 24.8/20

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF : 856257.9/15

Left Out: 98.160+/-0.056 χ^2/NDF :13003.1/1

Right Out: 87.555+/-0.024 χ^2/NDF : 1129794.0/18

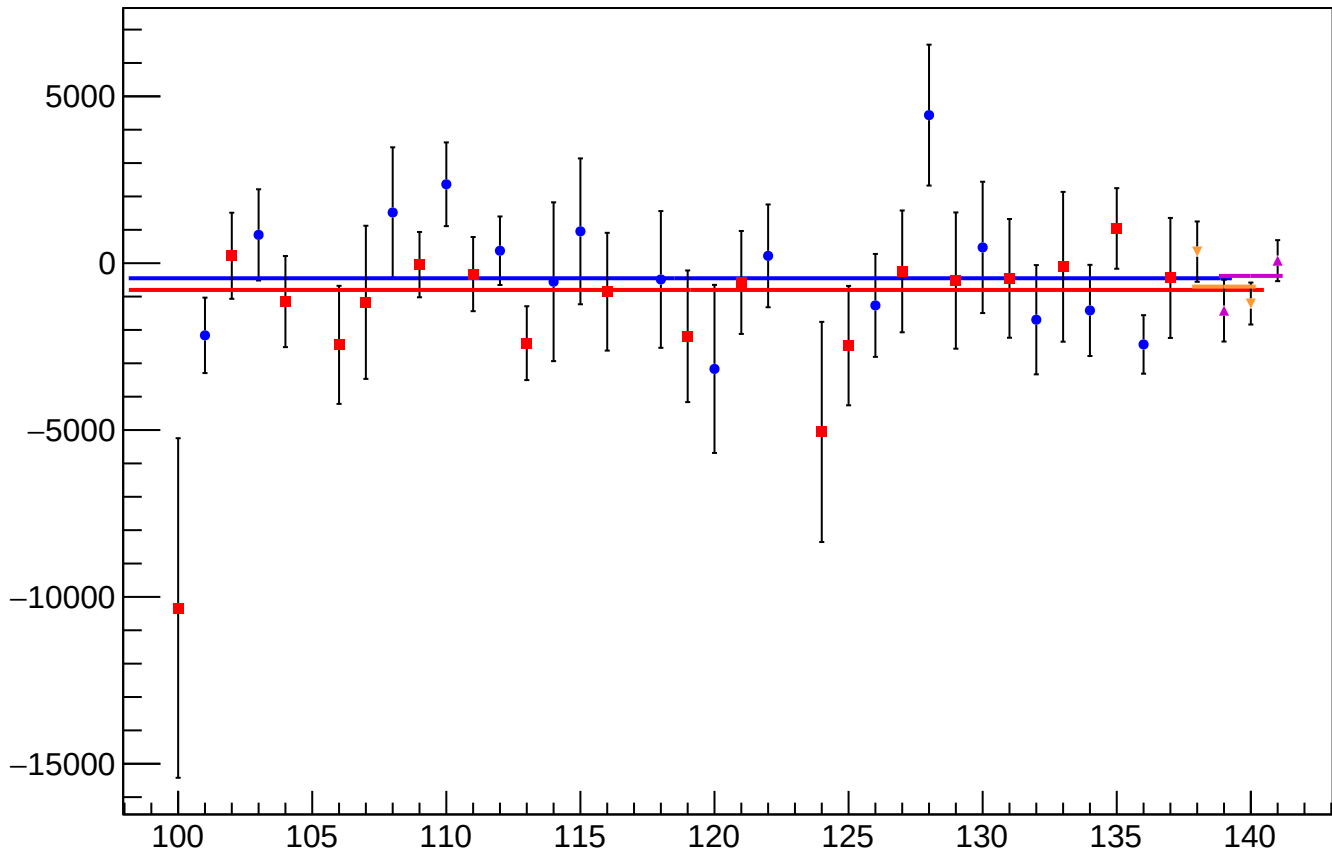
Left In: 88.269+/-0.049 χ^2/NDF :84356.3/1

+ sign 88.290+/-0.022 χ^2/NDF : 906145.8/17

All: 87.988+/-0.015 χ^2/NDF : 2120842.6/38

- sign 87.696+/-0.022 χ^2/NDF : 1214324.0/20

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

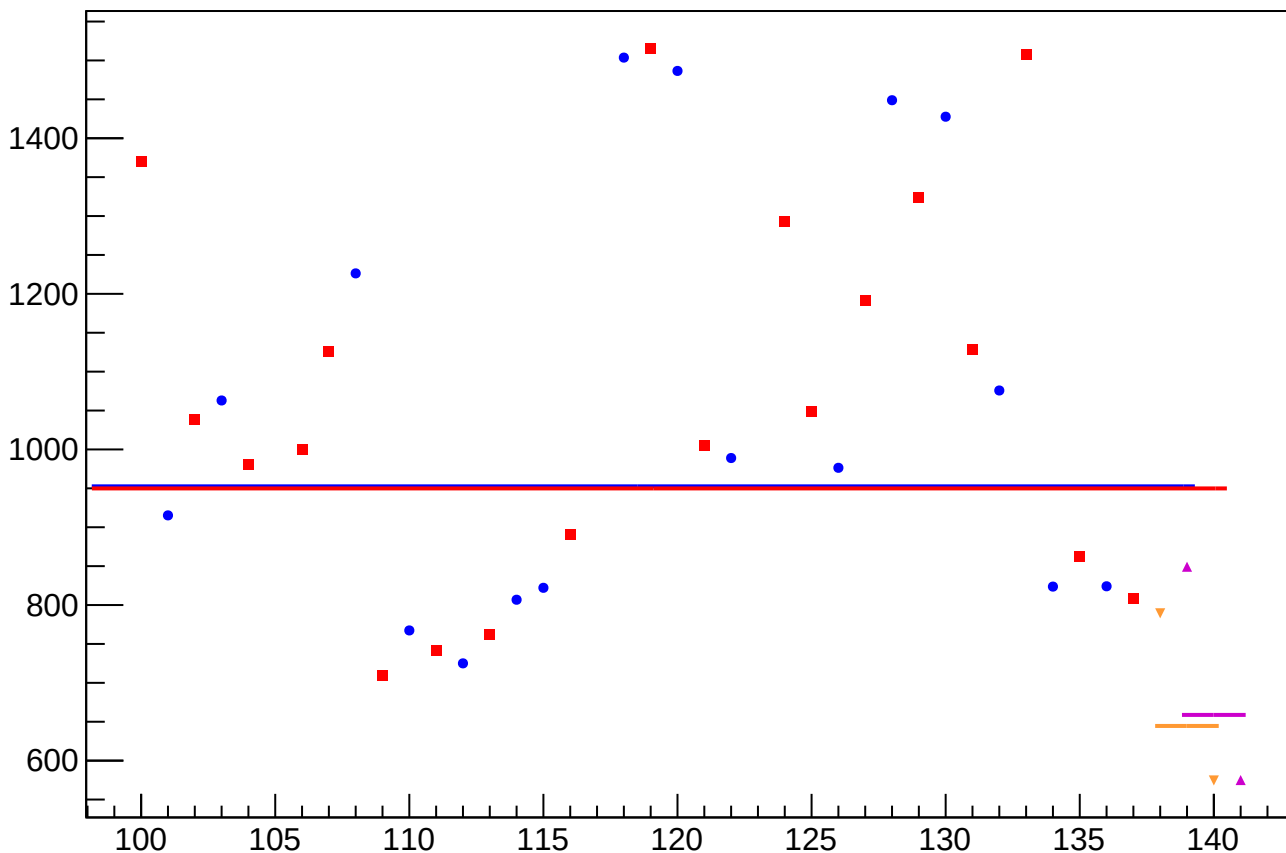
Left In: -380.719 ± 511.853 χ^2/NDF : 1.8/1

+ sign -535.030 ± 298.335 χ^2/NDF : 25.9/17

All: -600.181 ± 209.148 χ^2/NDF : 41.9/38

- sign -663.148 ± 293.291 χ^2/NDF : 15.9/20

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

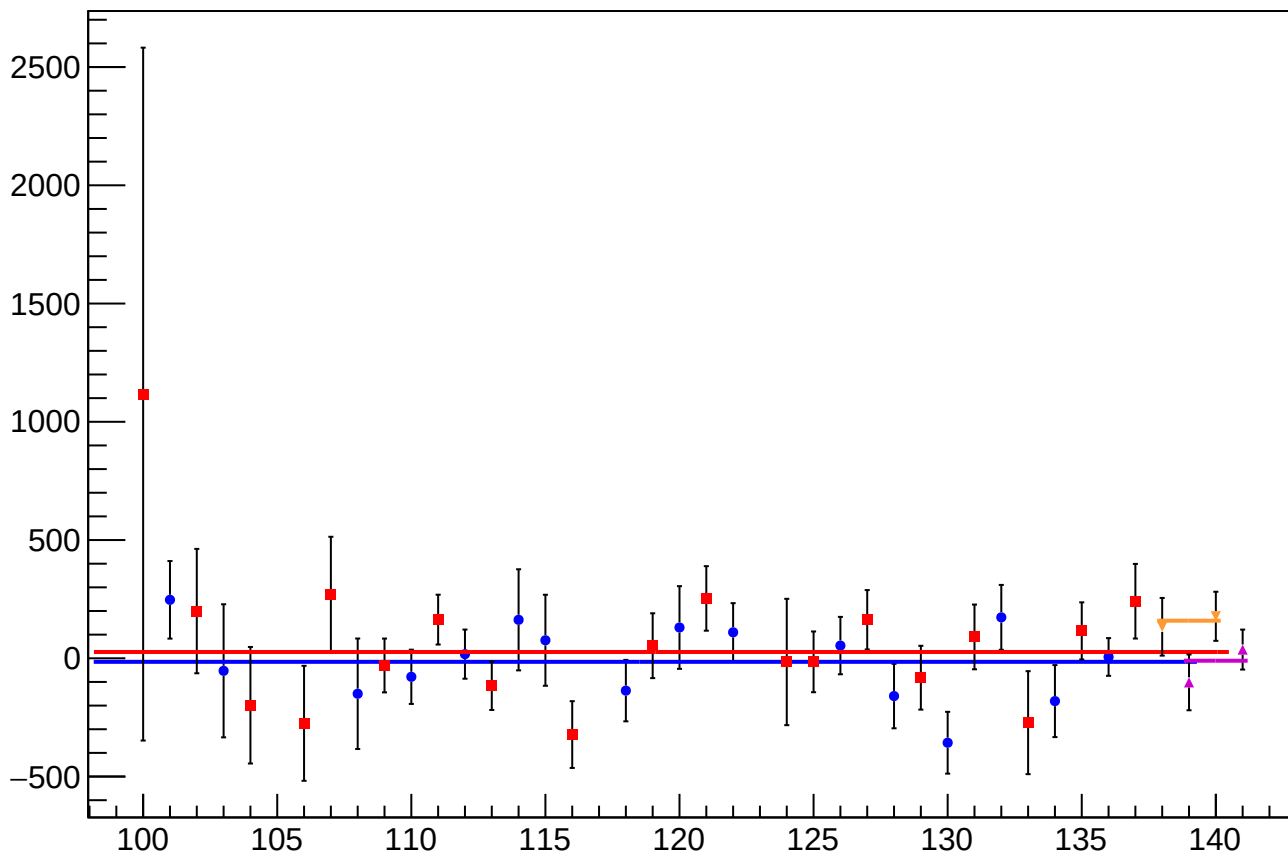
Left In: 658.772 $\pm$ 0.362 χ^2 /NDF: 121721.4/1

+ sign 849.647 $\pm$ 0.211 χ^2 /NDF: 1296679.1/17

All: 852.018 $\pm$ 0.148 χ^2 /NDF: 2604875.3/38

- sign 854.309 $\pm$ 0.207 χ^2 /NDF: 1307947.9/20

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 158.968 ± 79.030 χ^2/NDF : 0.1/1

Right Out: 26.658 ± 34.073 χ^2/NDF : 23.6/18

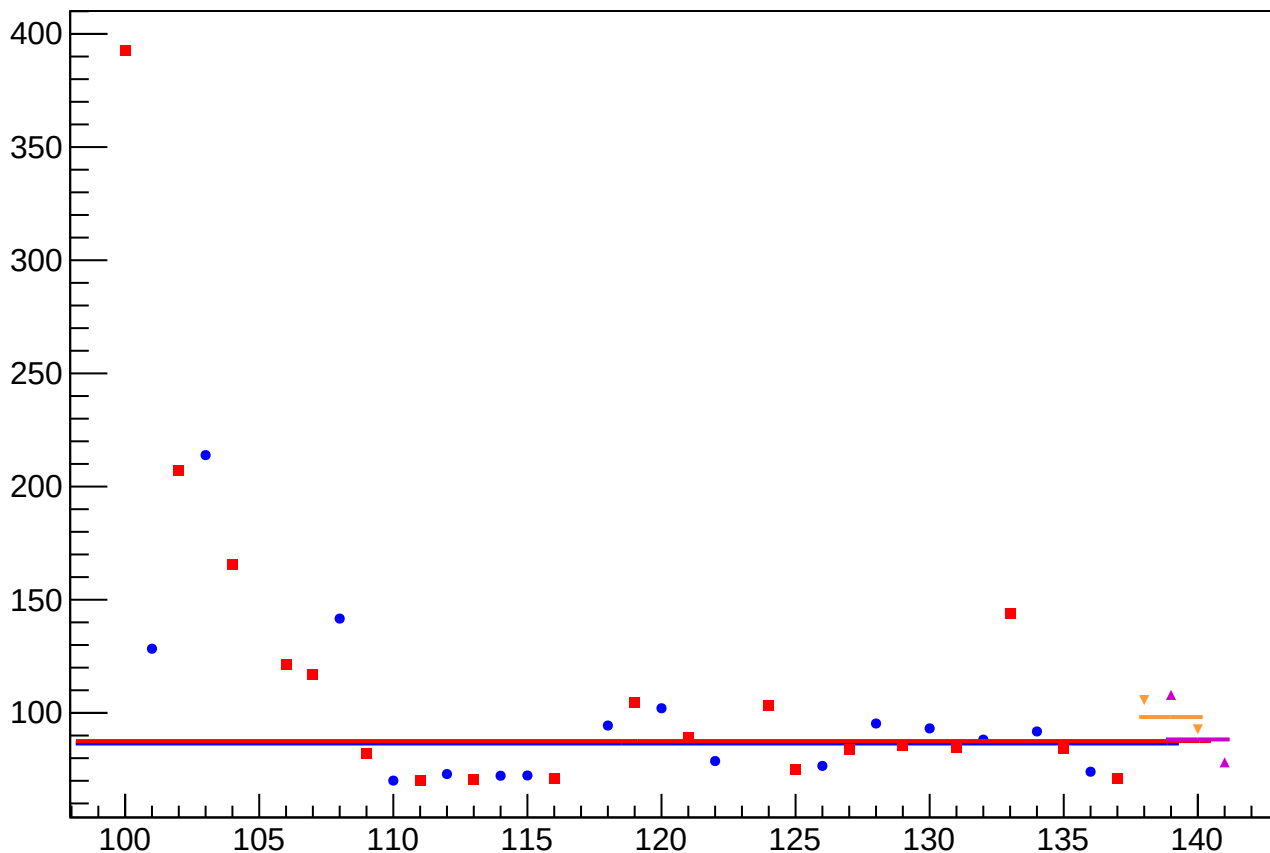
Left In: -10.235 ± 68.697 χ^2/NDF : 0.9/1

+ sign 11.887 ± 31.047 χ^2/NDF : 22.4/17

All: 15.694 ± 21.766 χ^2/NDF : 47.2/38

- sign 19.374 ± 30.525 χ^2/NDF : 24.8/20

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF : 856249.6/15

Left Out: 98.160+/-0.056 χ^2/NDF :13002.6/1

Right Out: 87.555+/-0.024 χ^2/NDF : 1129791.7/18

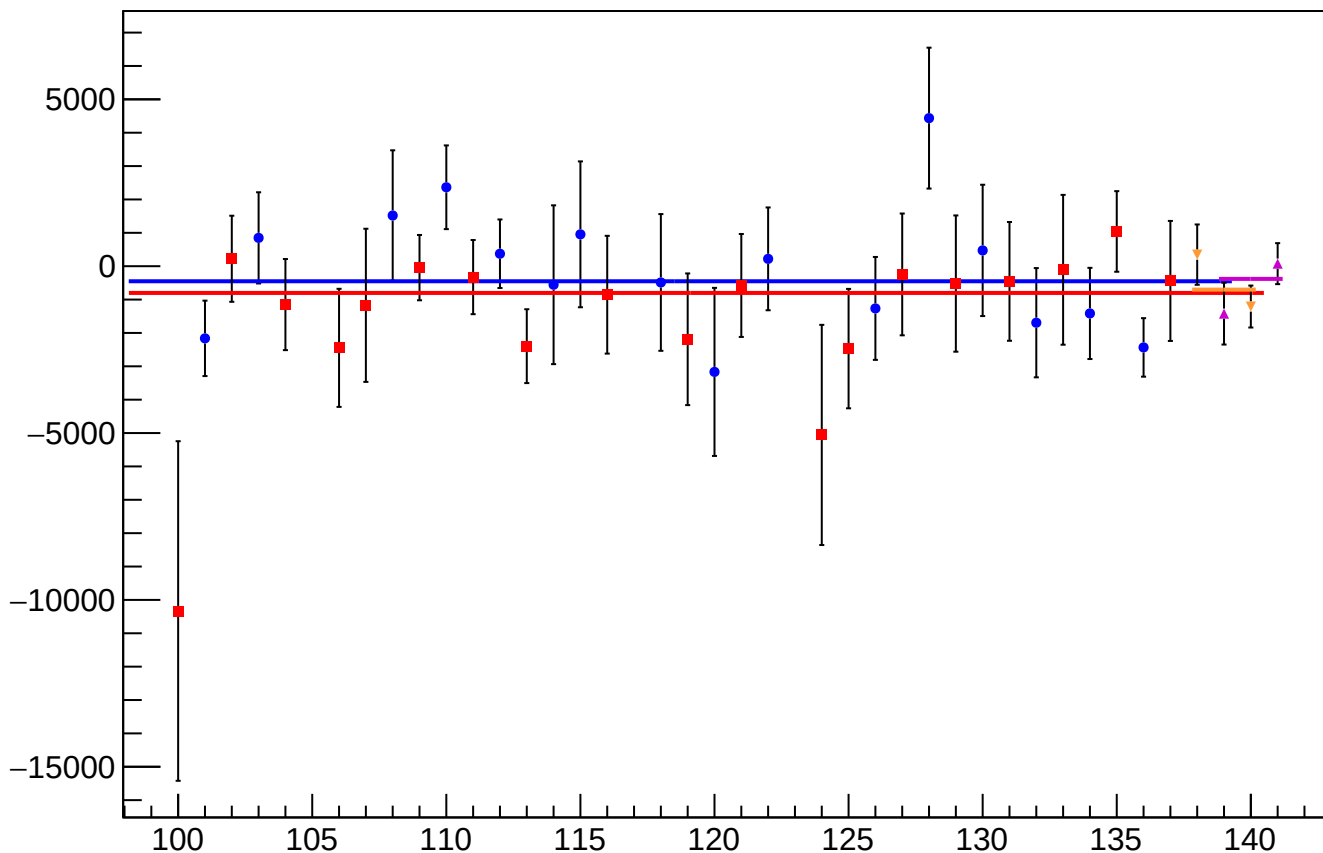
Left In: 88.269+/-0.049 χ^2/NDF :84354.7/1

+ sign 88.290+/-0.022 χ^2/NDF : 906135.9/17

All: 87.988+/-0.015 χ^2/NDF : 2120828.5/38

- sign 87.696+/-0.022 χ^2/NDF : 1214319.9/20

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

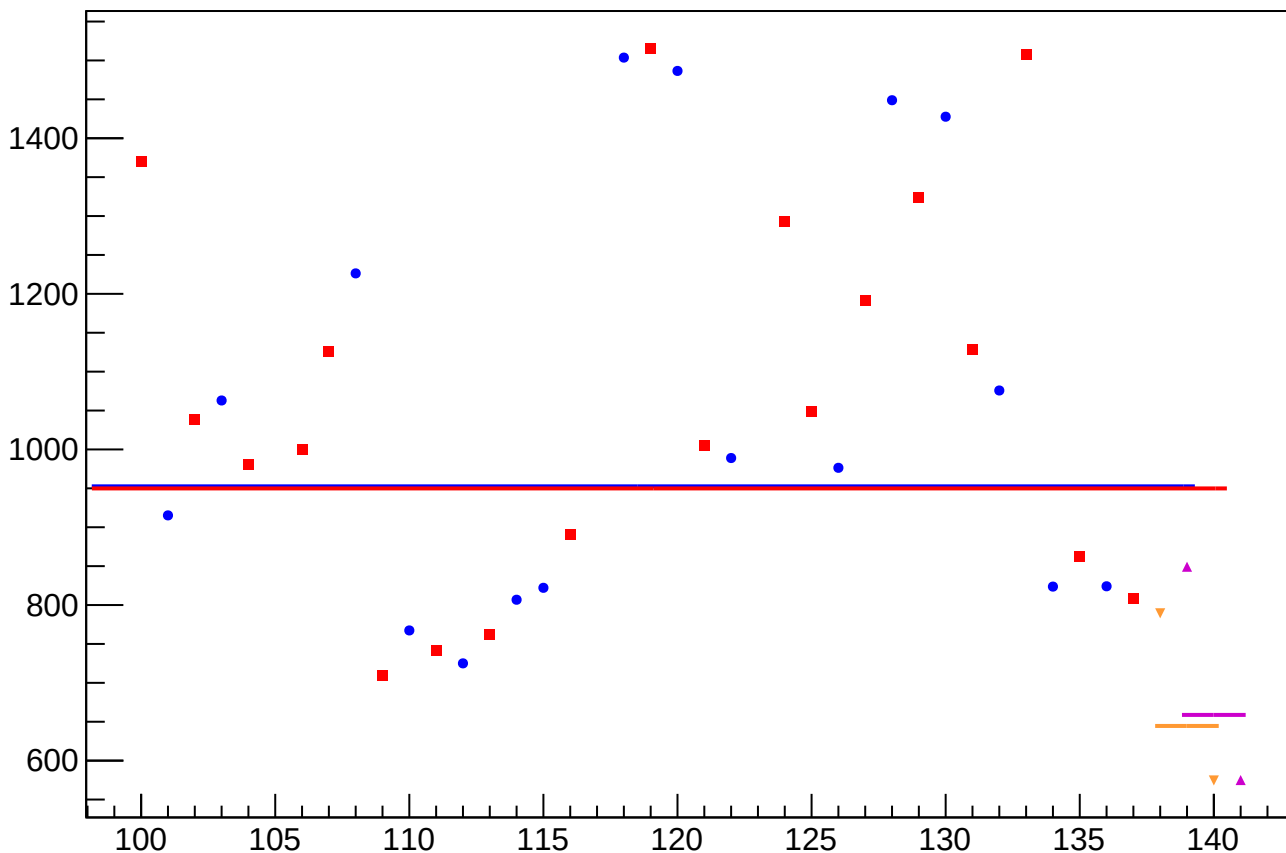
Left In: -380.720+/-511.852 χ^2/NDF : 1.8/1

+ sign -535.029+/-298.334 χ^2/NDF : 25.9/17

All: -600.181+/-209.148 χ^2/NDF : 41.9/38

- sign -663.148+/-293.291 χ^2/NDF : 15.9/20

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

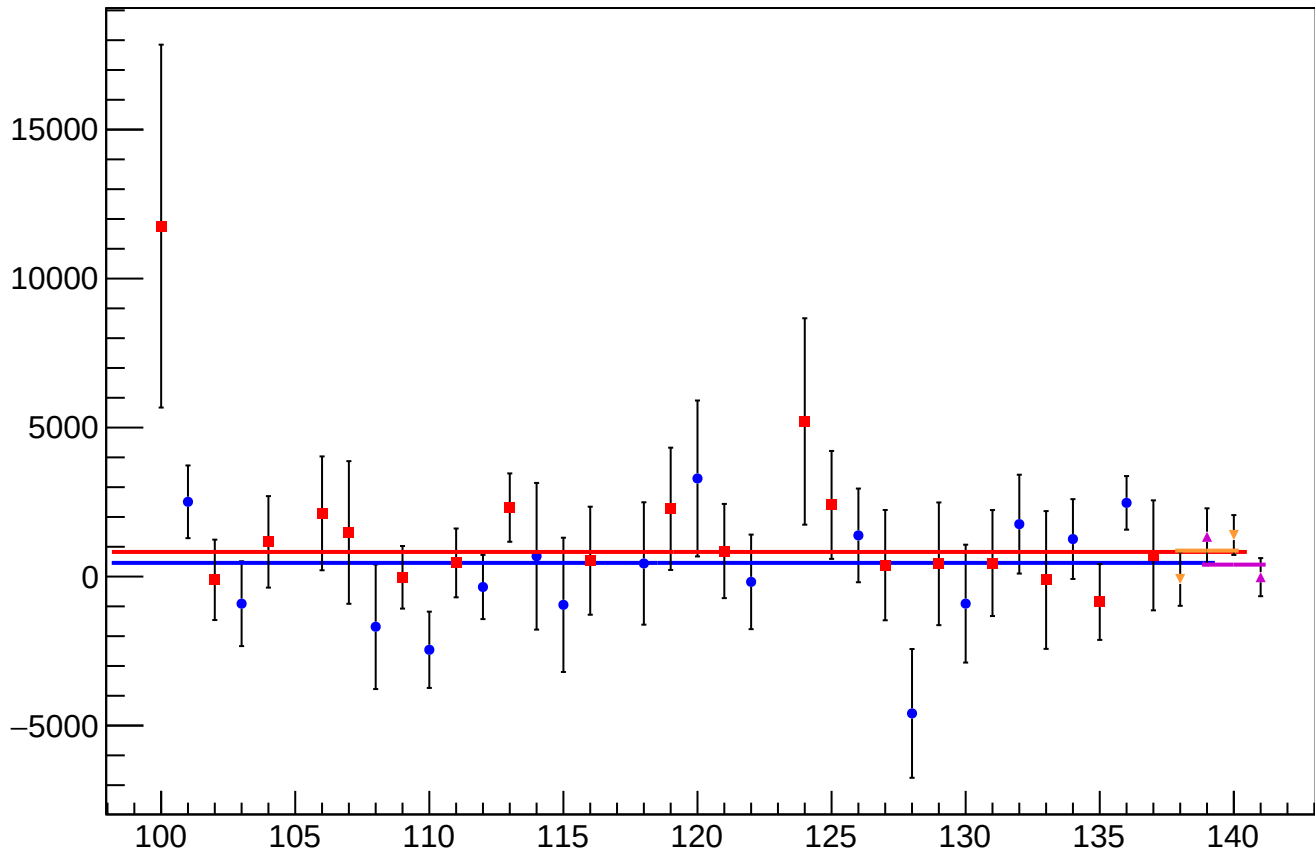
Left In: 658.771 $\pm$ 0.362 χ^2 /NDF: 121722.2/1

+ sign 849.646 $\pm$ 0.211 χ^2 /NDF: 1296678.6/17

All: 852.016 $\pm$ 0.148 χ^2 /NDF: 2604871.4/38

- sign 854.307 $\pm$ 0.207 χ^2 /NDF: 1307944.5/20

asym_sam_37_avg_mean vs Slug



Right In: 459.137 $\pm$ 376.873 χ^2 /NDF: 24.6/15

Left Out: 871.033 $\pm$ 537.093 χ^2 /NDF:1.7/1

Right Out: 826.531 $\pm$ 374.244 χ^2 /NDF: 11.7/18

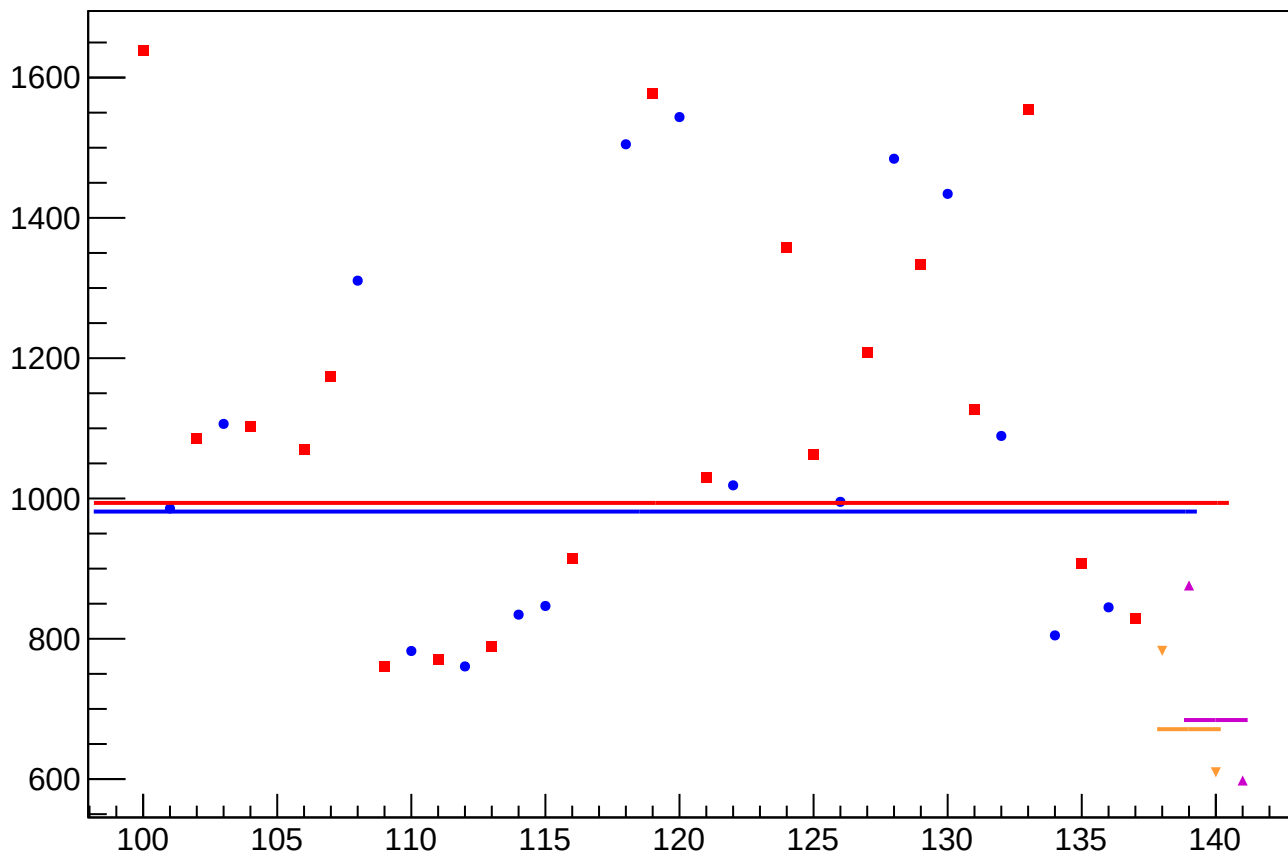
Left In: 400.506 $\pm$ 531.475 χ^2 /NDF:1.4/1

+ sign 595.032 $\pm$ 308.501 χ^2 /NDF: 26.7/17

All: 640.540 $\pm$ 217.251 χ^2 /NDF: 40.2/38

- sign 685.312 $\pm$ 305.993 χ^2 /NDF: 13.5/20

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF : 737627.4/15

Left Out: 671.156+/-0.380 χ^2/NDF : 47606.8/1

Right Out: 993.684+/-0.265 χ^2/NDF : 719799.0/18

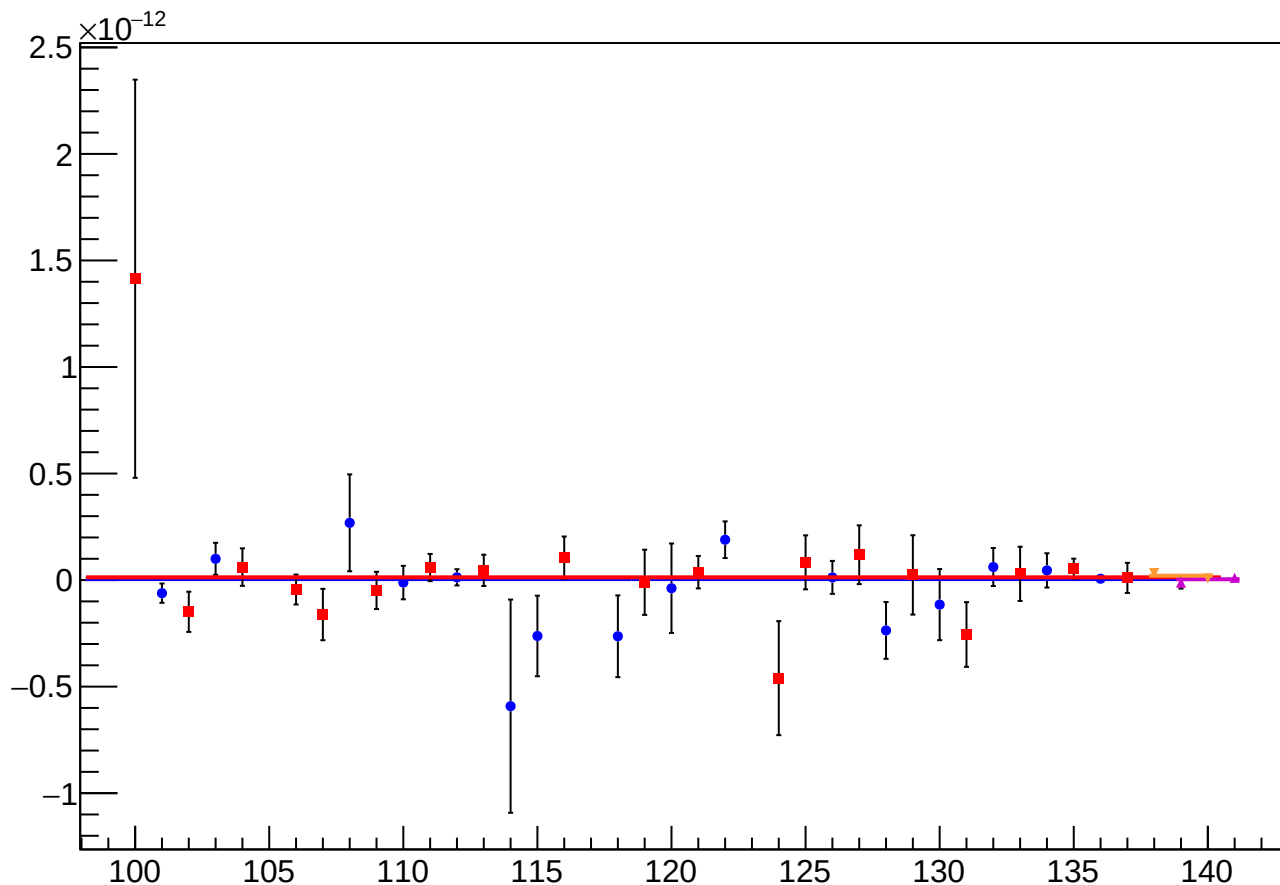
Left In: 684.186+/-0.376 χ^2/NDF : 117040.7/1

+ sign 879.009+/-0.218 χ^2/NDF : 1232245.1/17

All: 885.099+/-0.154 χ^2/NDF : 2524046.0/38

- sign 891.092+/-0.216 χ^2/NDF : 1290254.3/20

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

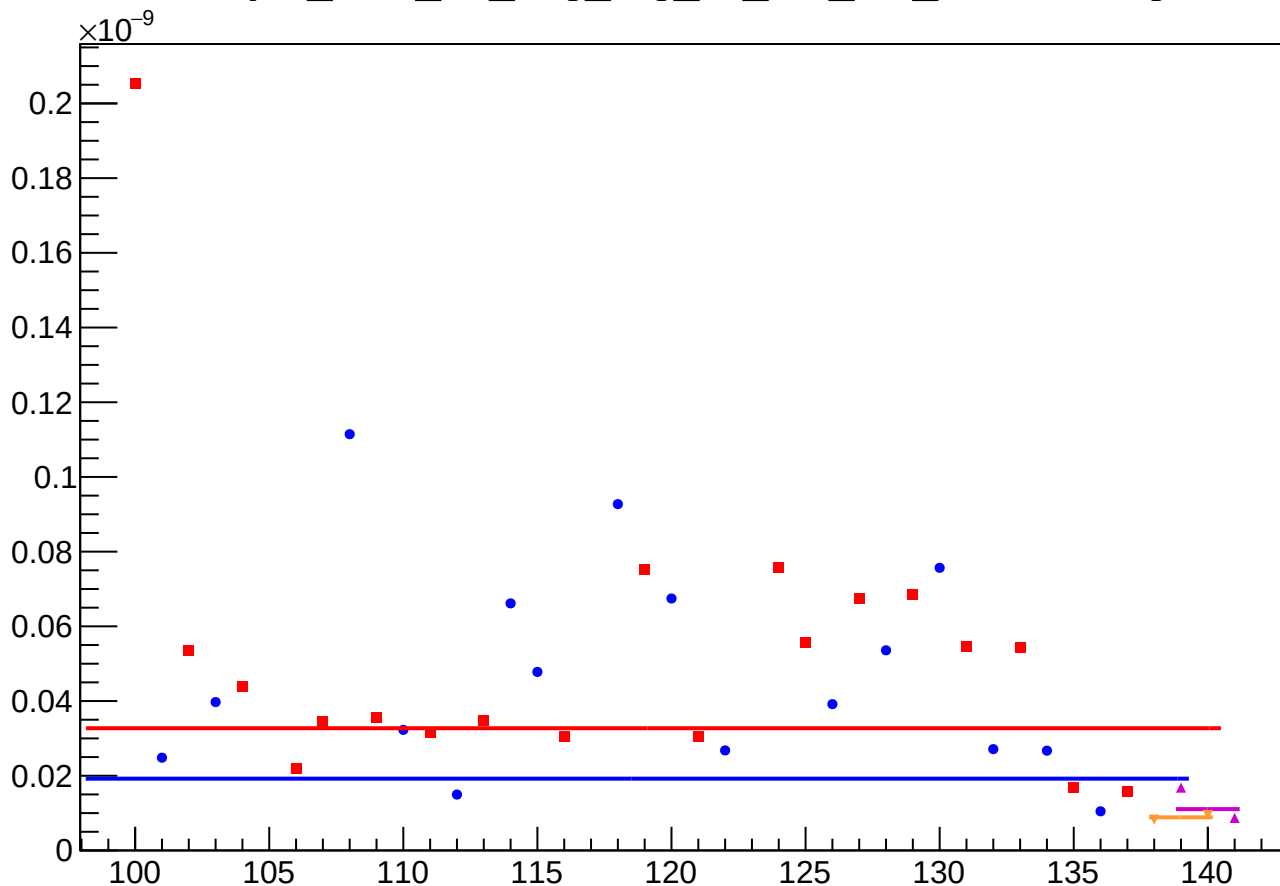
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.5/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/20

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

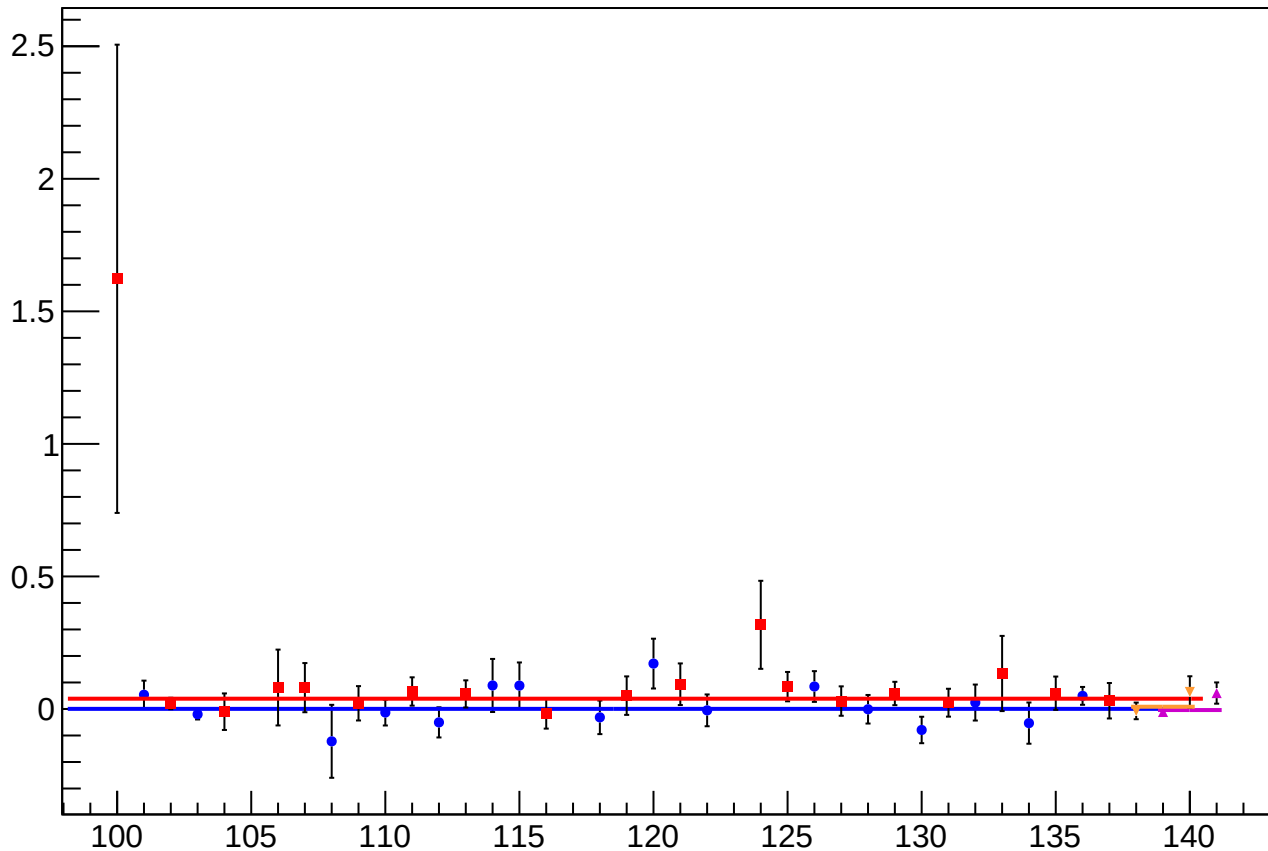
Left In: 0.000+/-0.000 χ^2/NDF : 122096.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2561951.3/17

All: 0.000+/-0.000 χ^2/NDF : 5517120.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2741101.5/20

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 χ^2/NDF : 16.5/15

Left Out: 0.008 ± 0.028 χ^2/NDF : 1.1/1

Right Out: 0.039 ± 0.013 χ^2/NDF : 11.1/18

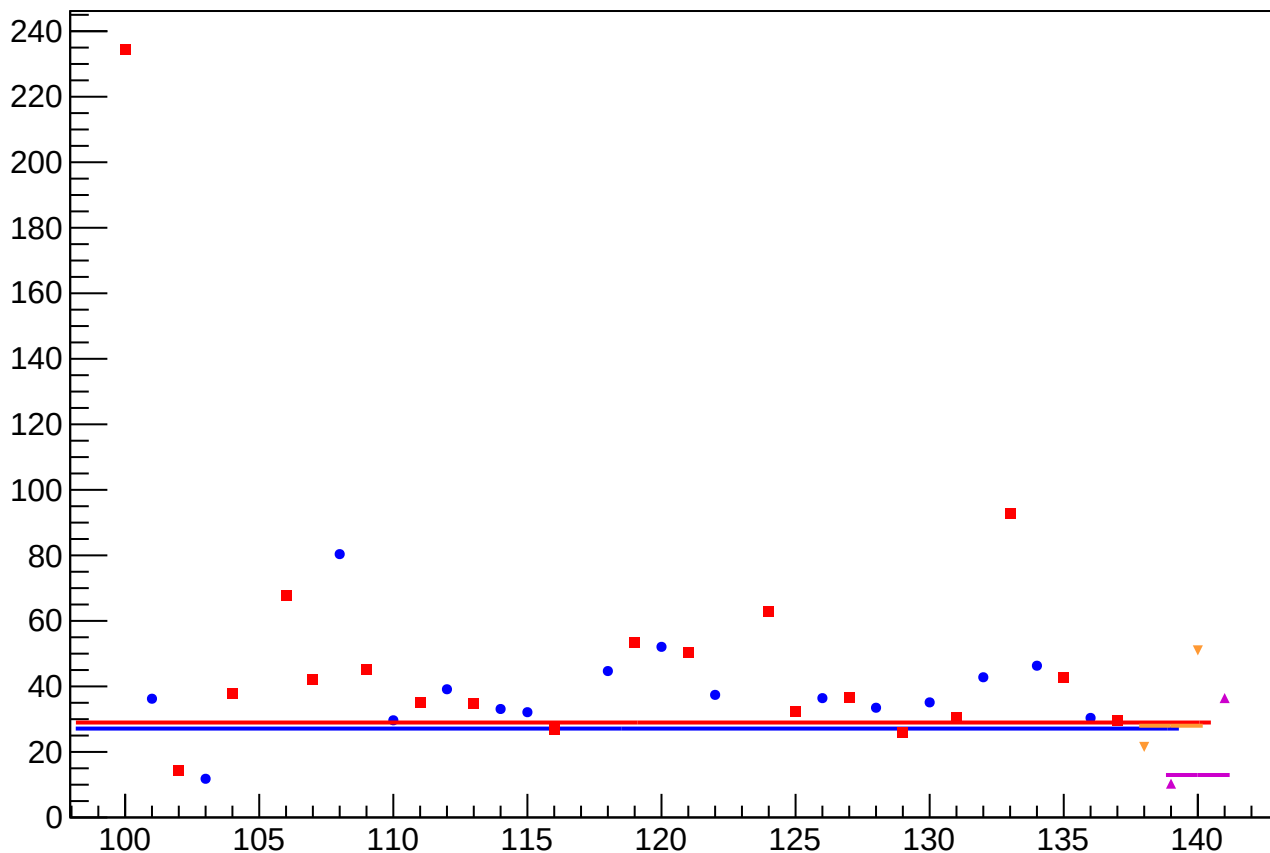
Left In: -0.004 ± 0.013 χ^2/NDF : 2.8/1

+ sign 0.002 ± 0.011 χ^2/NDF : 17.7/17

All: 0.011 ± 0.007 χ^2/NDF : 38.5/38

- sign 0.018 ± 0.009 χ^2/NDF : 19.6/20

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128 $\pm$ 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

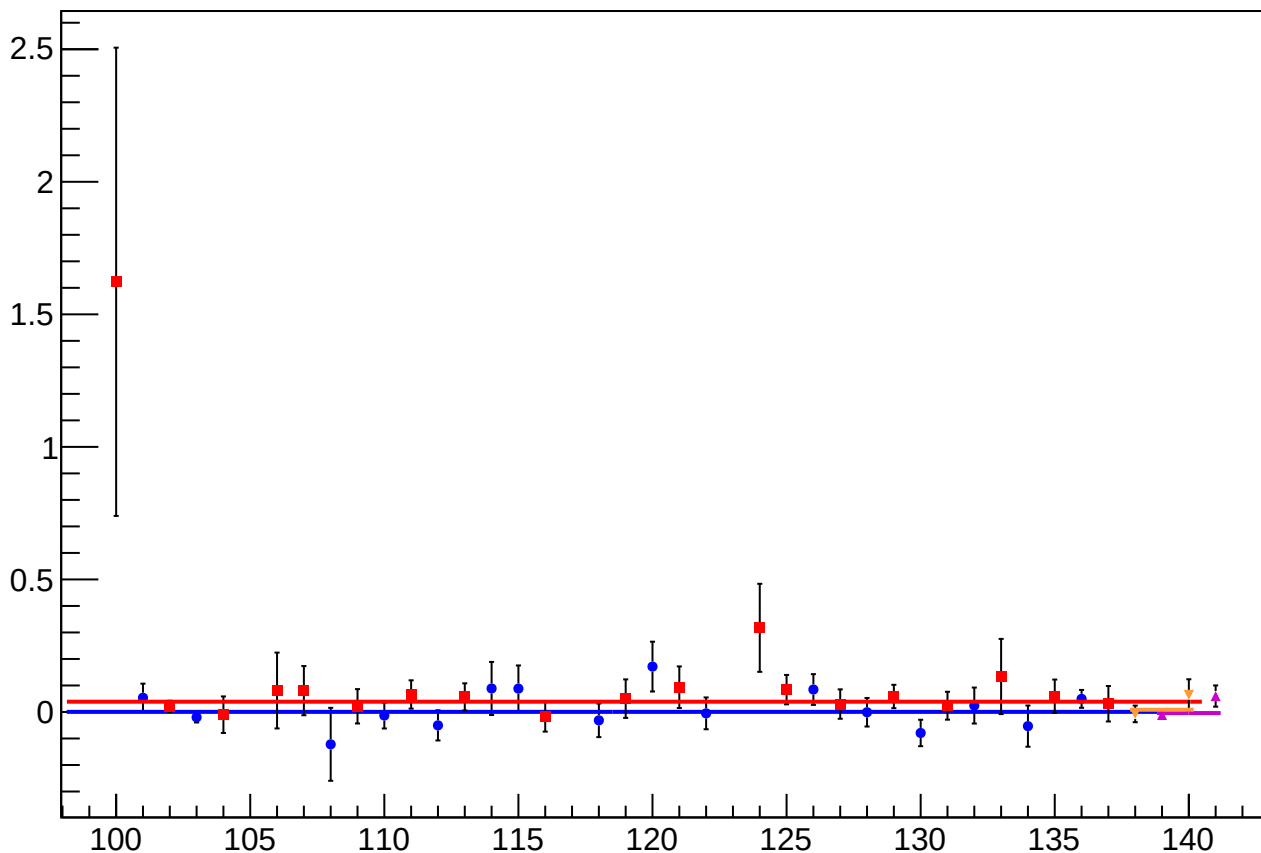
Left In: 12.961 $\pm$ 0.009 χ^2 /NDF:763978.4/1

+ sign 27.267 $\pm$ 0.008 χ^2 /NDF: 2803808.8/17

All: 23.511 $\pm$ 0.005 χ^2 /NDF: 8002901.3/38

- sign 21.031 $\pm$ 0.006 χ^2 /NDF: 4814700.9/20

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 χ^2/NDF : 16.5/15

Left Out: 0.008 ± 0.028 χ^2/NDF : 1.1/1

Right Out: 0.039 ± 0.013 χ^2/NDF : 11.1/18

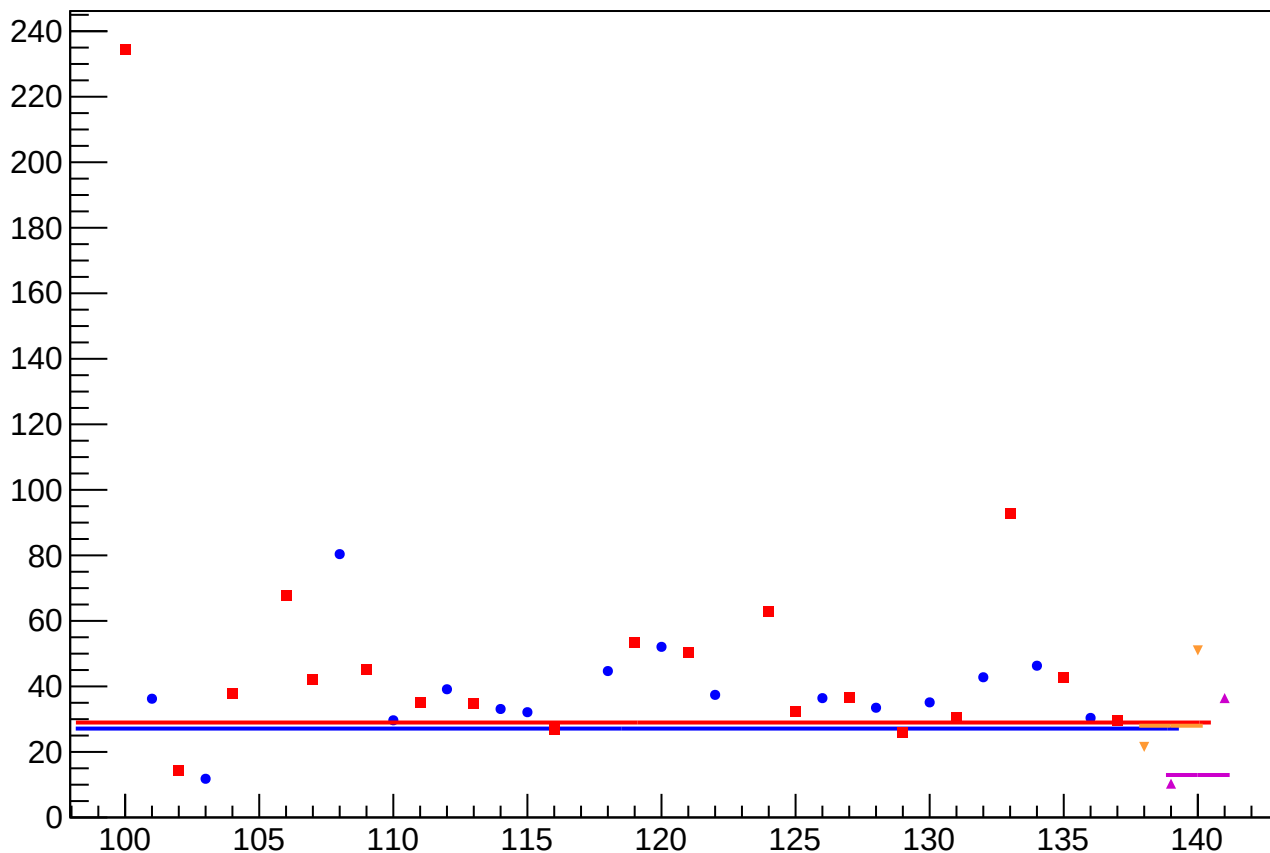
Left In: -0.004 ± 0.013 χ^2/NDF : 2.8/1

+ sign 0.002 ± 0.011 χ^2/NDF : 17.7/17

All: 0.011 ± 0.007 χ^2/NDF : 38.5/38

- sign 0.018 ± 0.009 χ^2/NDF : 19.6/20

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2 /NDF: 2415316.1/15

Left Out: 28.003+/-0.020 χ^2 /NDF:386816.0/1

Right Out: 28.979+/-0.009 χ^2 /NDF: 2456254.0/18

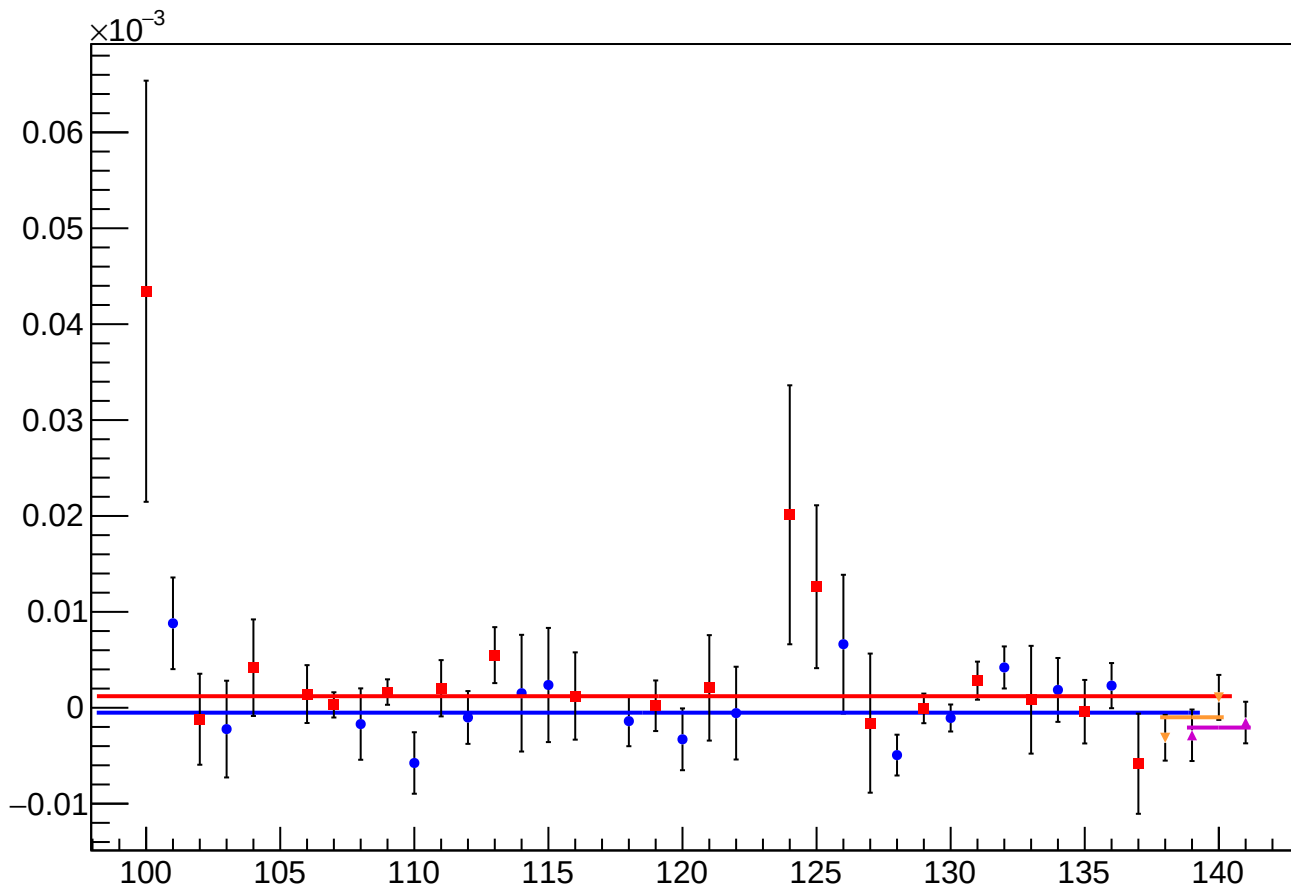
Left In: 12.961+/-0.009 χ^2 /NDF:763978.4/1

+ sign 27.267+/-0.008 χ^2 /NDF: 2803808.8/17

All: 23.511+/-0.005 χ^2 /NDF: 8002901.3/38

- sign 21.031+/-0.006 χ^2 /NDF: 4814700.9/20

asym_sam_37_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 : 1.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 14.6/18

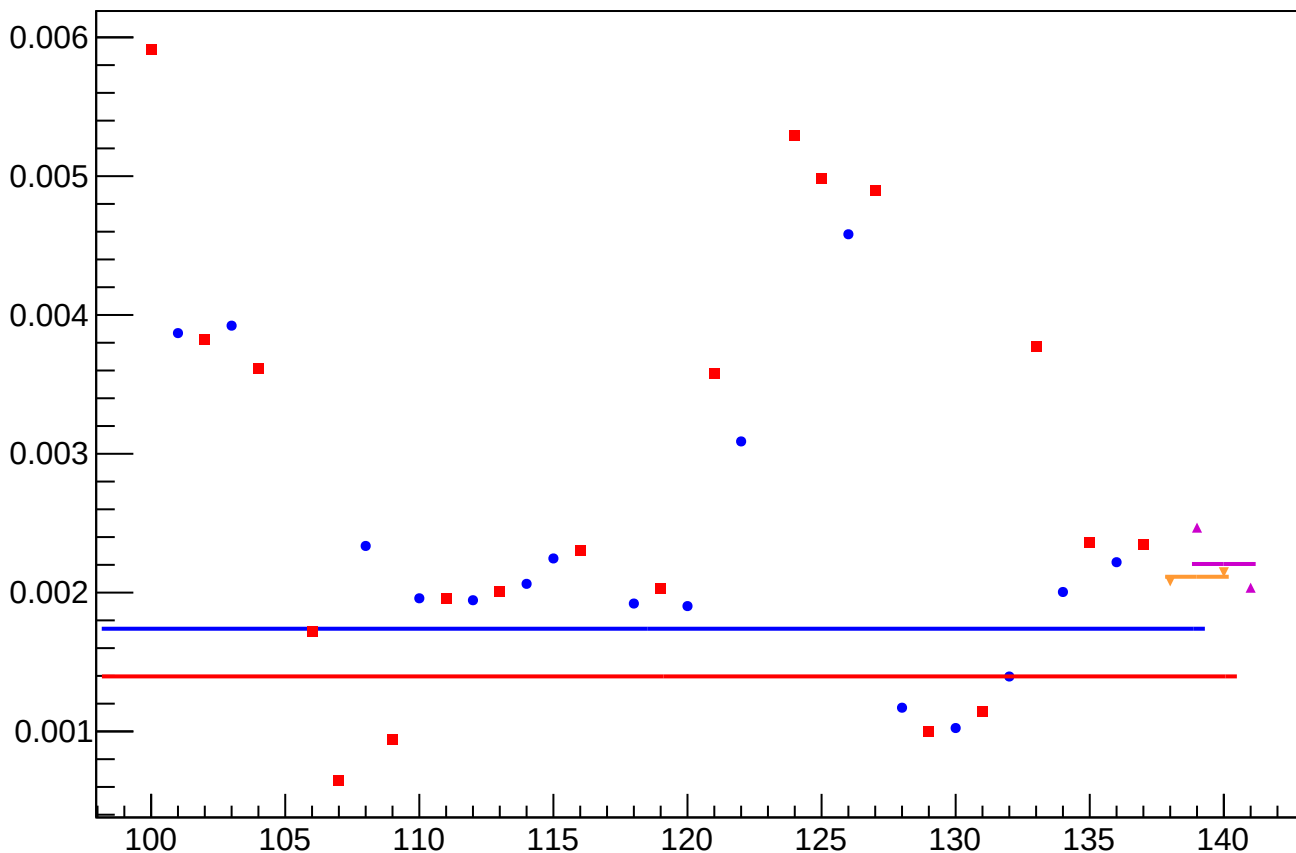
Left In: -0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 21.6/17

All: 0.000+/-0.000 χ^2/NDF : 42.3/38

- sign 0.000+/-0.000 χ^2/NDF : 18.1/20

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2146798.7/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 774.4/1

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4323193.2/18

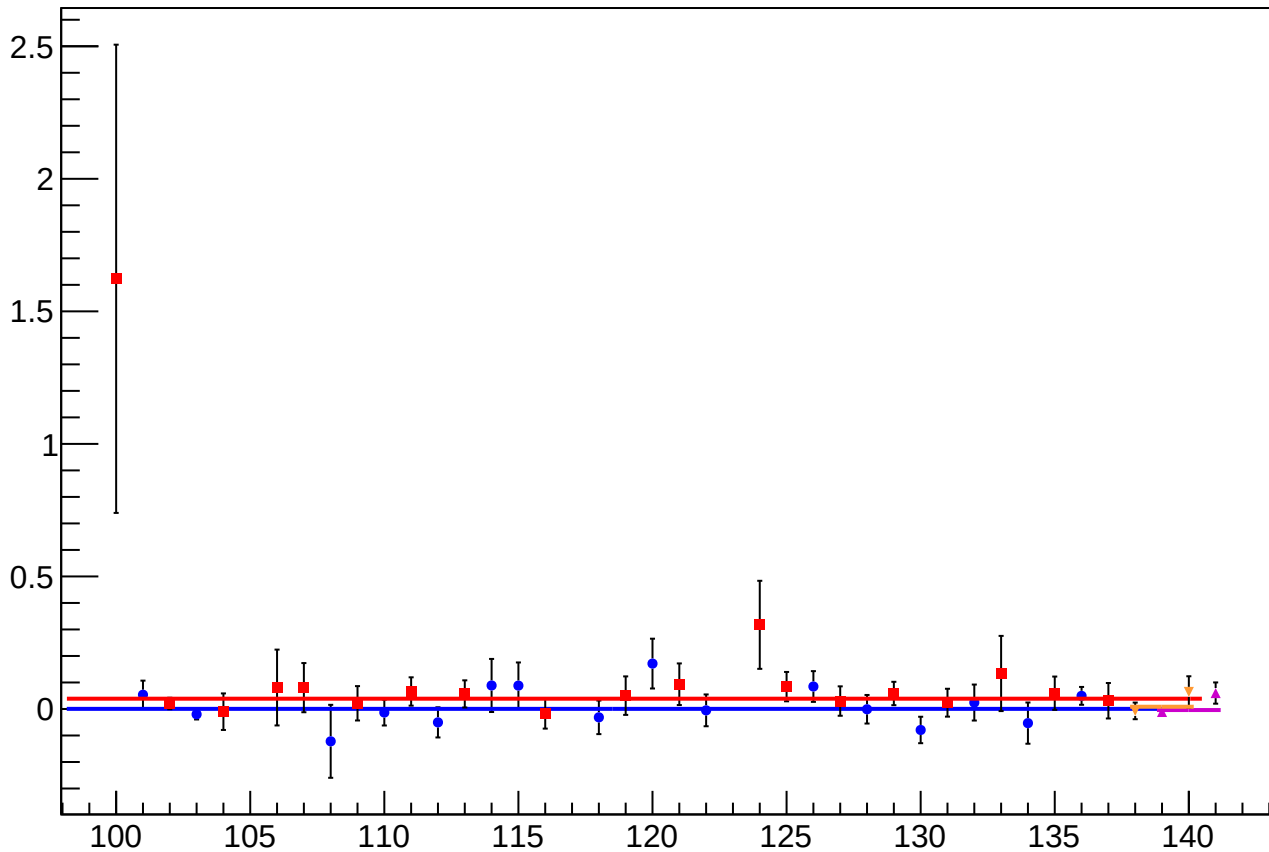
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 31460.8/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2232316.3/17

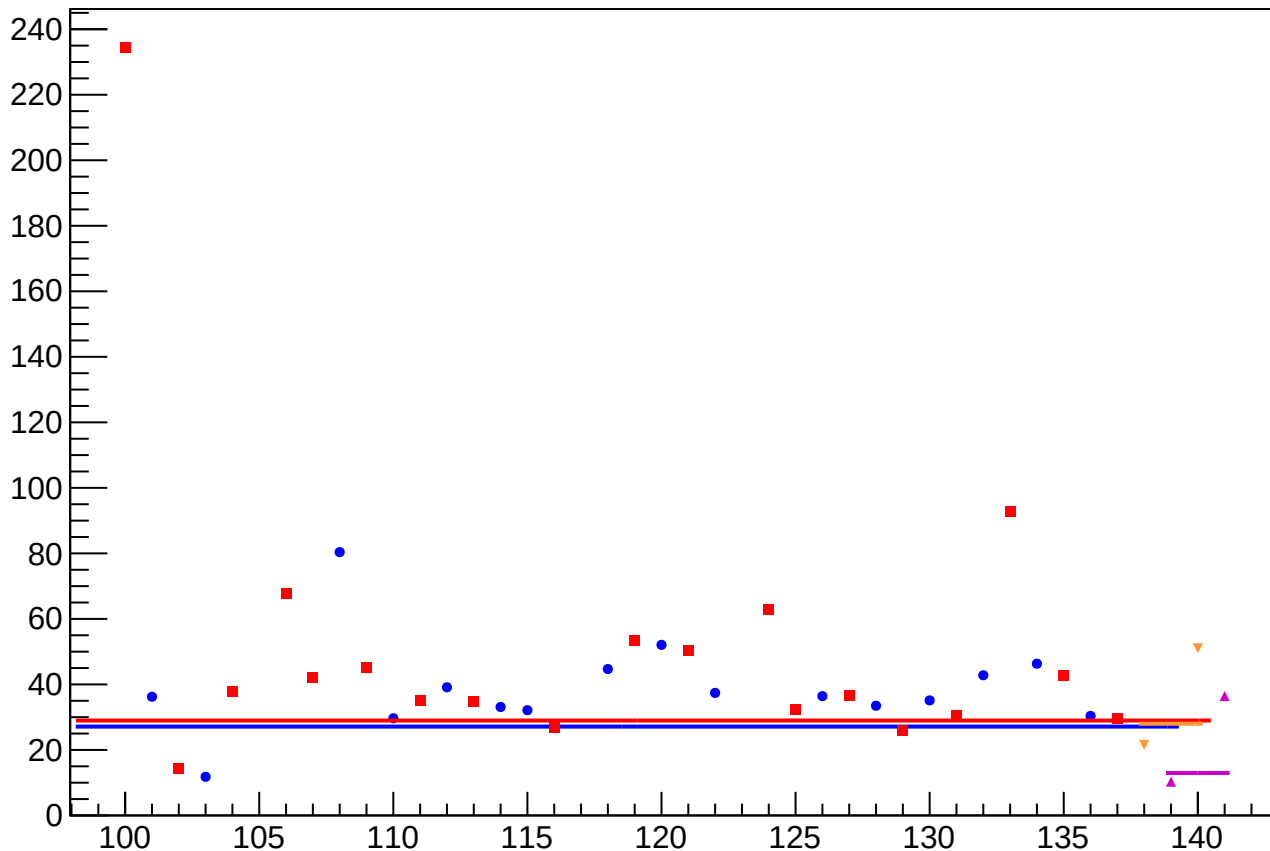
All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7241471.3/38

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4761976.8/20

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF : 2415651.3/15

Left Out: 27.999+/-0.020 χ^2/NDF : 386934.5/1

Right Out: 28.982+/-0.009 χ^2/NDF : 2455659.1/18

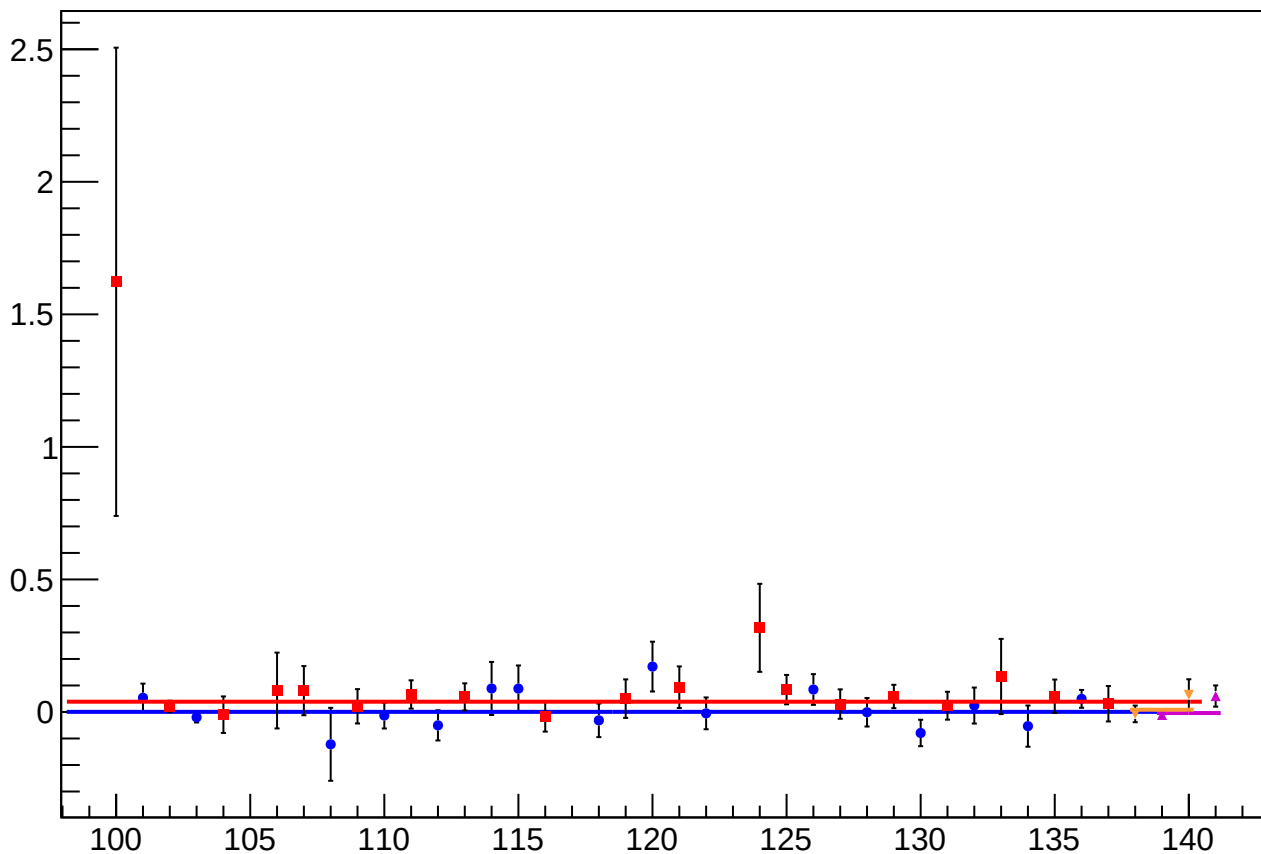
Left In: 12.960+/-0.009 χ^2/NDF : 764071.4/1

+ sign 27.266+/-0.008 χ^2/NDF : 2804251.0/17

All: 23.510+/-0.005 χ^2/NDF : 8003658.0/38

- sign 21.031+/-0.006 χ^2/NDF : 4815077.5/20

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 $\chi^2/\text{NDF}: 16.5/15$

Left Out: 0.008 ± 0.028 $\chi^2/\text{NDF}: 1.1/1$

Right Out: 0.039 ± 0.013 $\chi^2/\text{NDF}: 11.1/18$

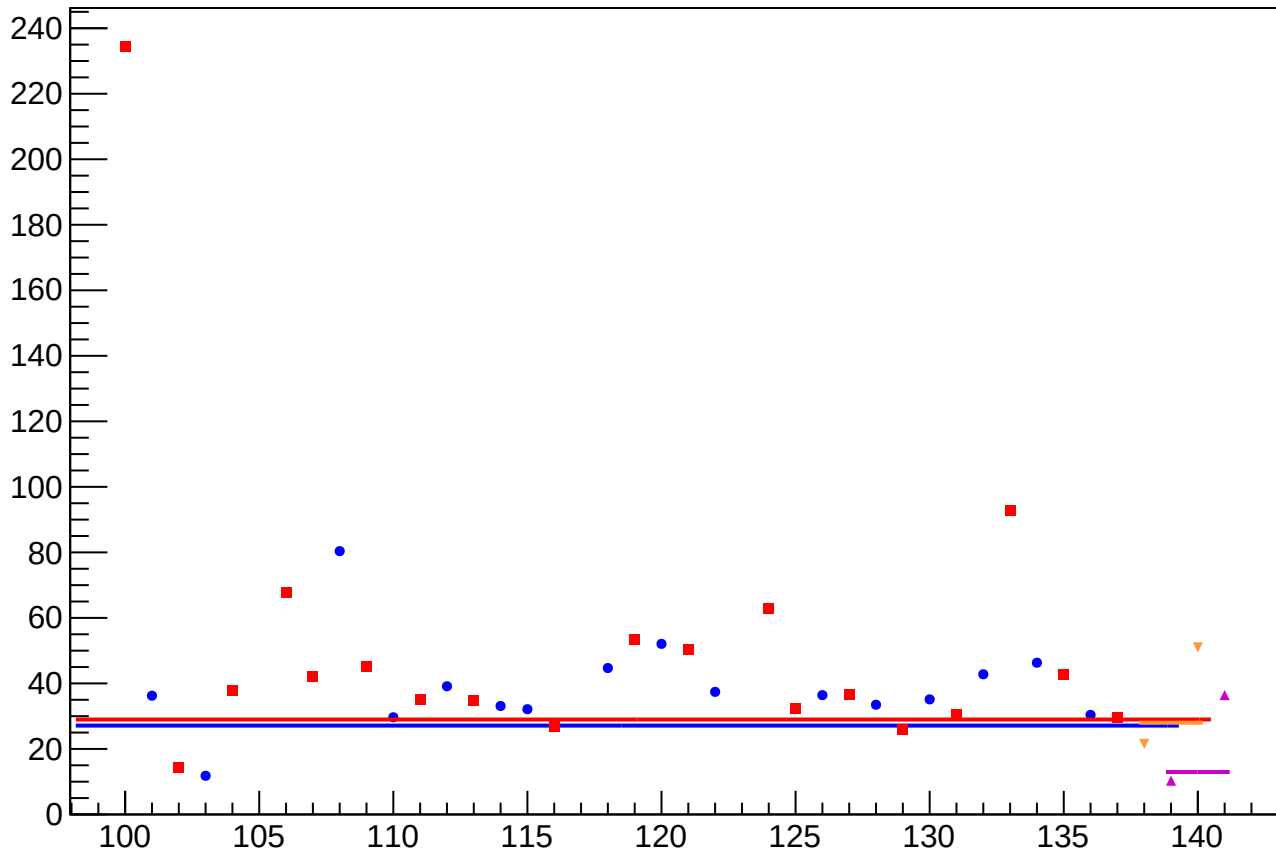
Left In: -0.004 ± 0.013 $\chi^2/\text{NDF}: 2.8/1$

+ sign 0.002 ± 0.011 $\chi^2/\text{NDF}: 17.7/17$

All: 0.011 ± 0.007 $\chi^2/\text{NDF}: 38.5/38$

- sign 0.018 ± 0.009 $\chi^2/\text{NDF}: 19.6/20$

asym_sam_37_avg_eigen_dit_vs_eigen_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

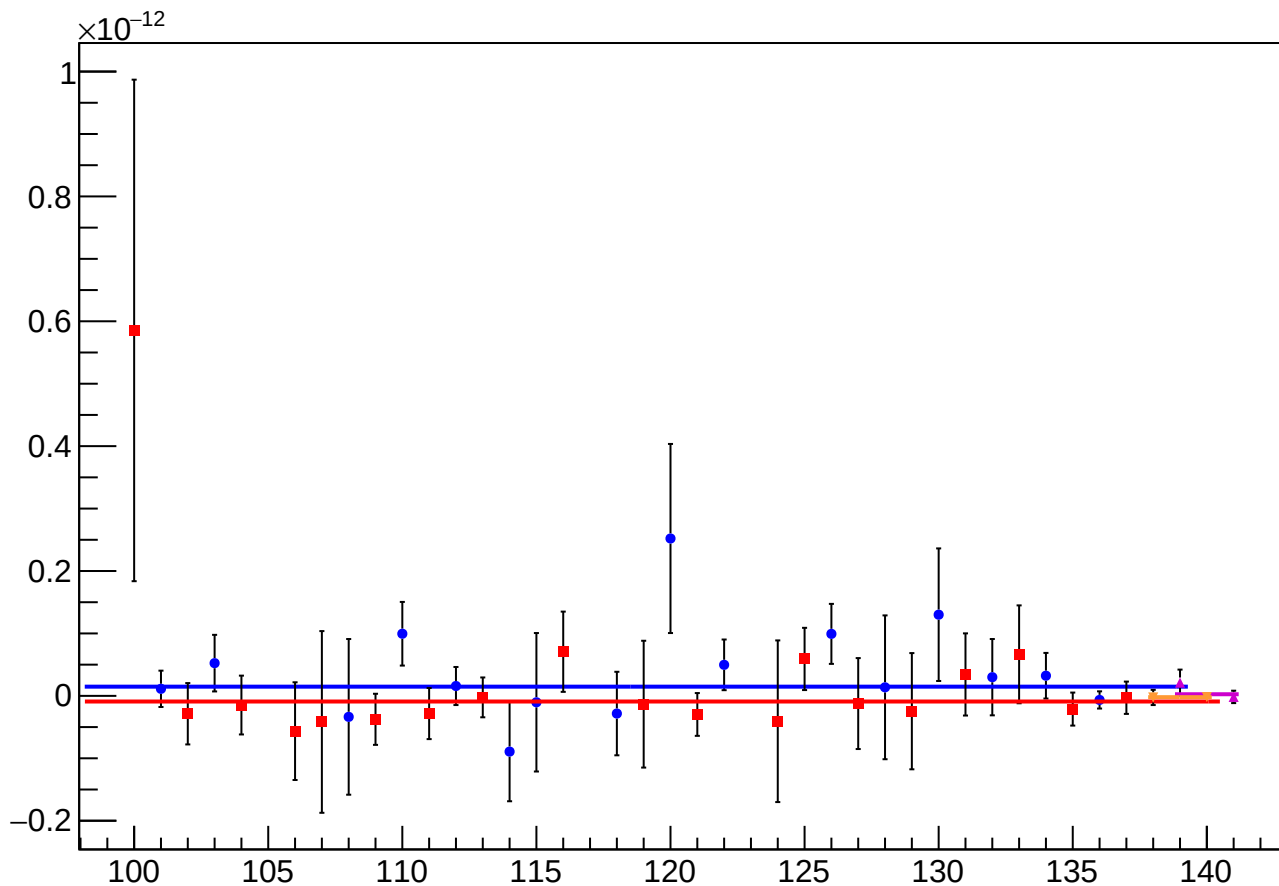
Left In: 12.960 $\pm$ 0.009 χ^2 /NDF: 764071.4/1

+ sign 27.266 $\pm$ 0.008 χ^2 /NDF: 2804251.0/17

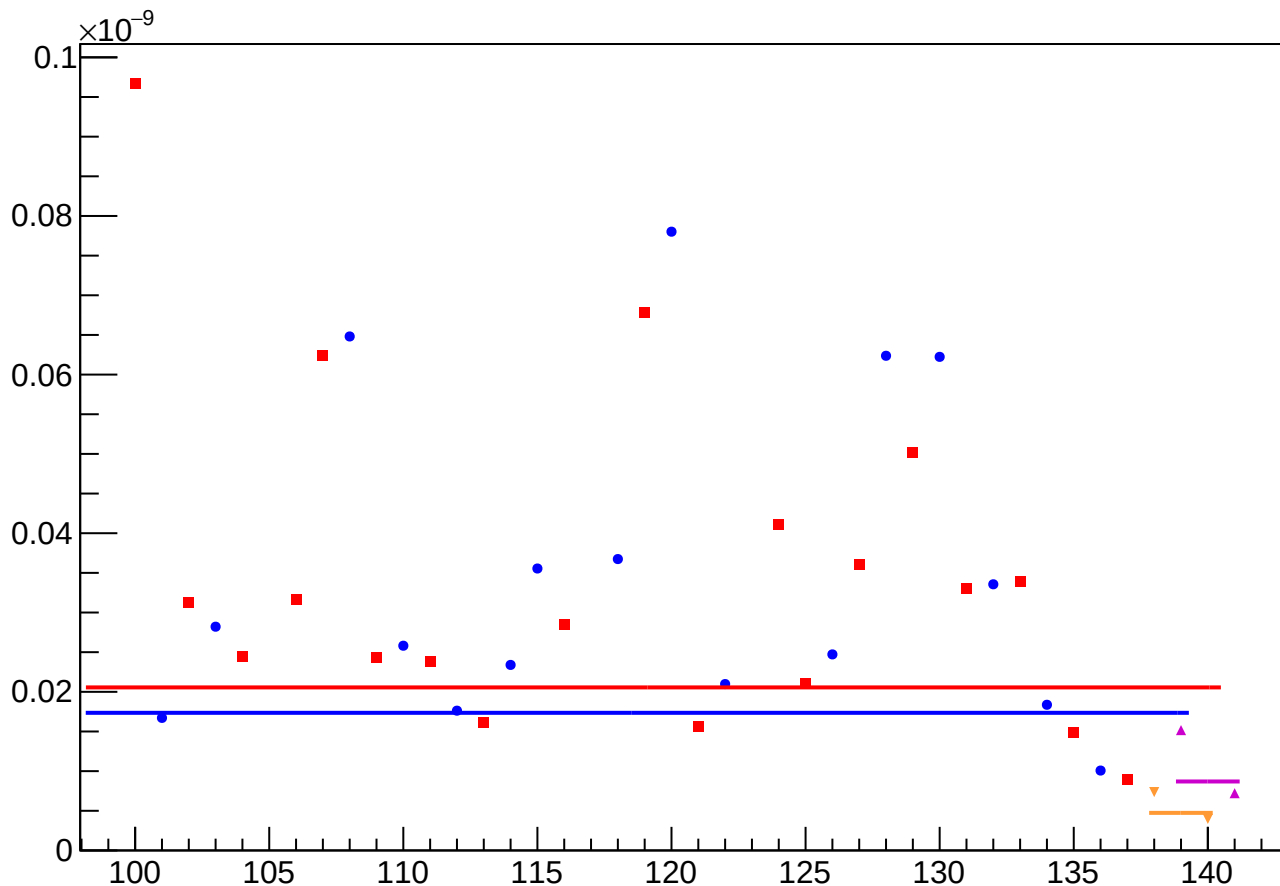
All: 23.510 $\pm$ 0.005 χ^2 /NDF: 8003658.0/38

- sign 21.031 $\pm$ 0.006 χ^2 /NDF: 4815077.5/20

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

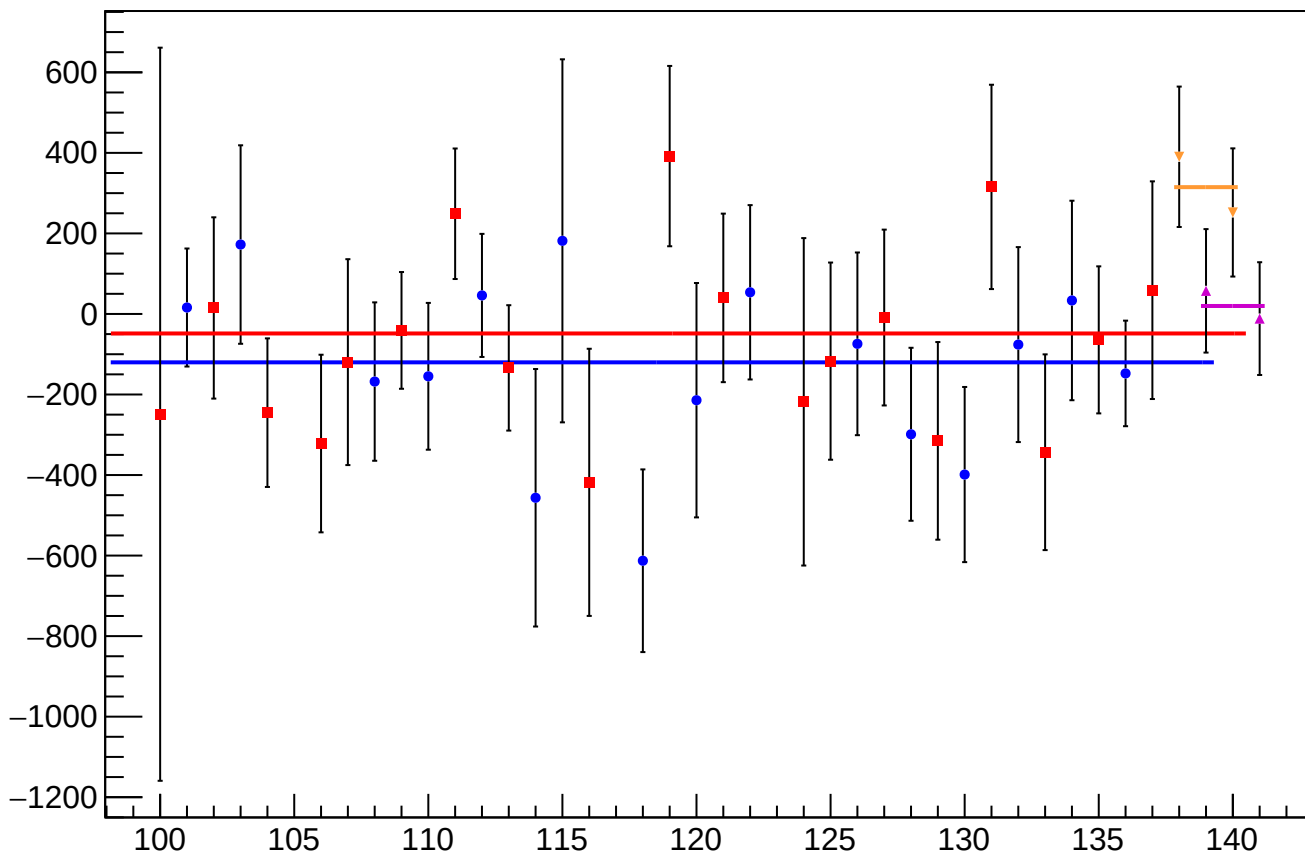
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :237945.8/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5156804.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9540938.5/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3587459.7/20

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 314.890 ± 117.540 χ^2/NDF : 0.3/1

Right Out: -48.449 ± 49.910 χ^2/NDF : 17.0/18

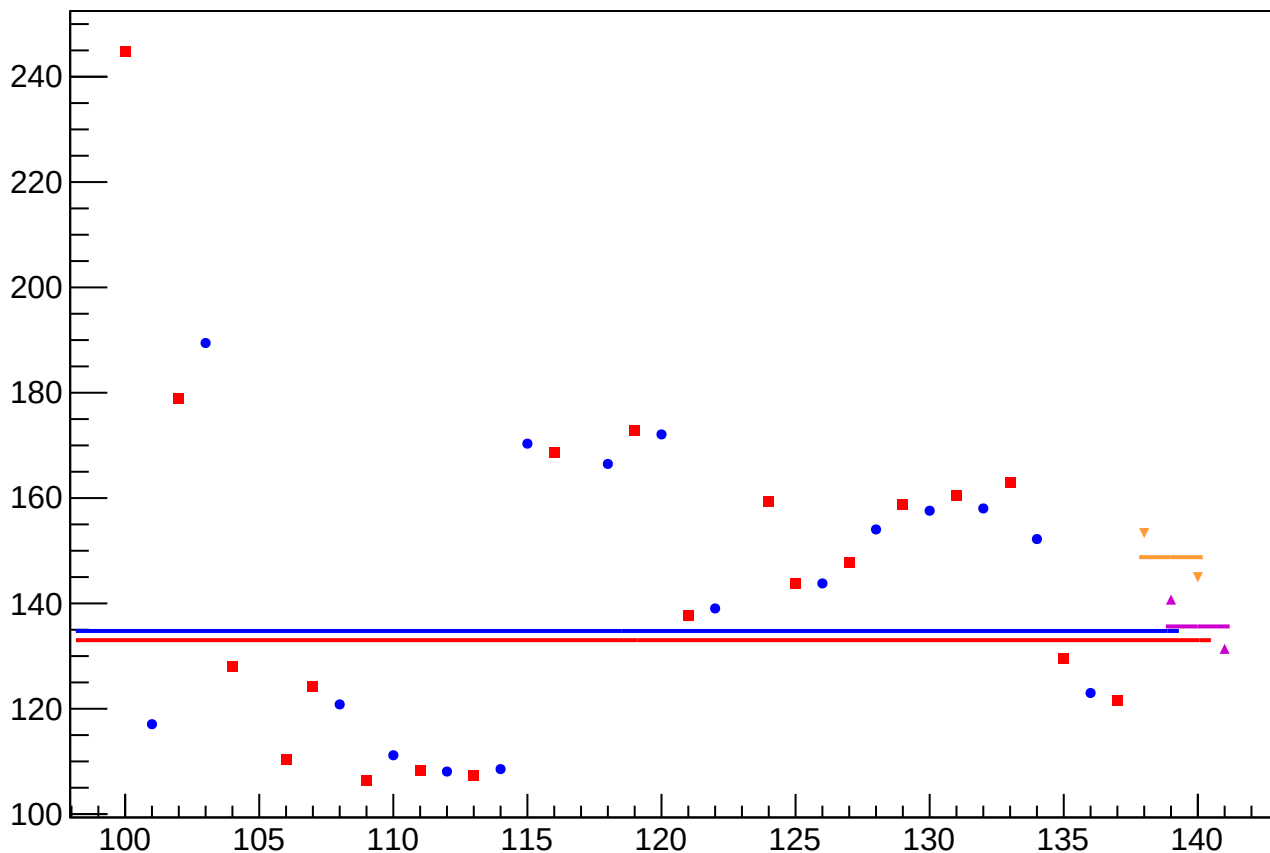
Left In: 19.801 ± 103.383 χ^2/NDF : 0.1/1

+ sign -50.996 ± 46.865 χ^2/NDF : 25.3/17

All: -42.949 ± 32.439 χ^2/NDF : 42.8/38

- sign -35.548 ± 44.946 χ^2/NDF : 17.5/20

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF : 416778.7/15

Left Out: 148.781+/-0.083 χ^2/NDF : 2516.5/1

Right Out: 133.019+/-0.035 χ^2/NDF : 495717.0/18

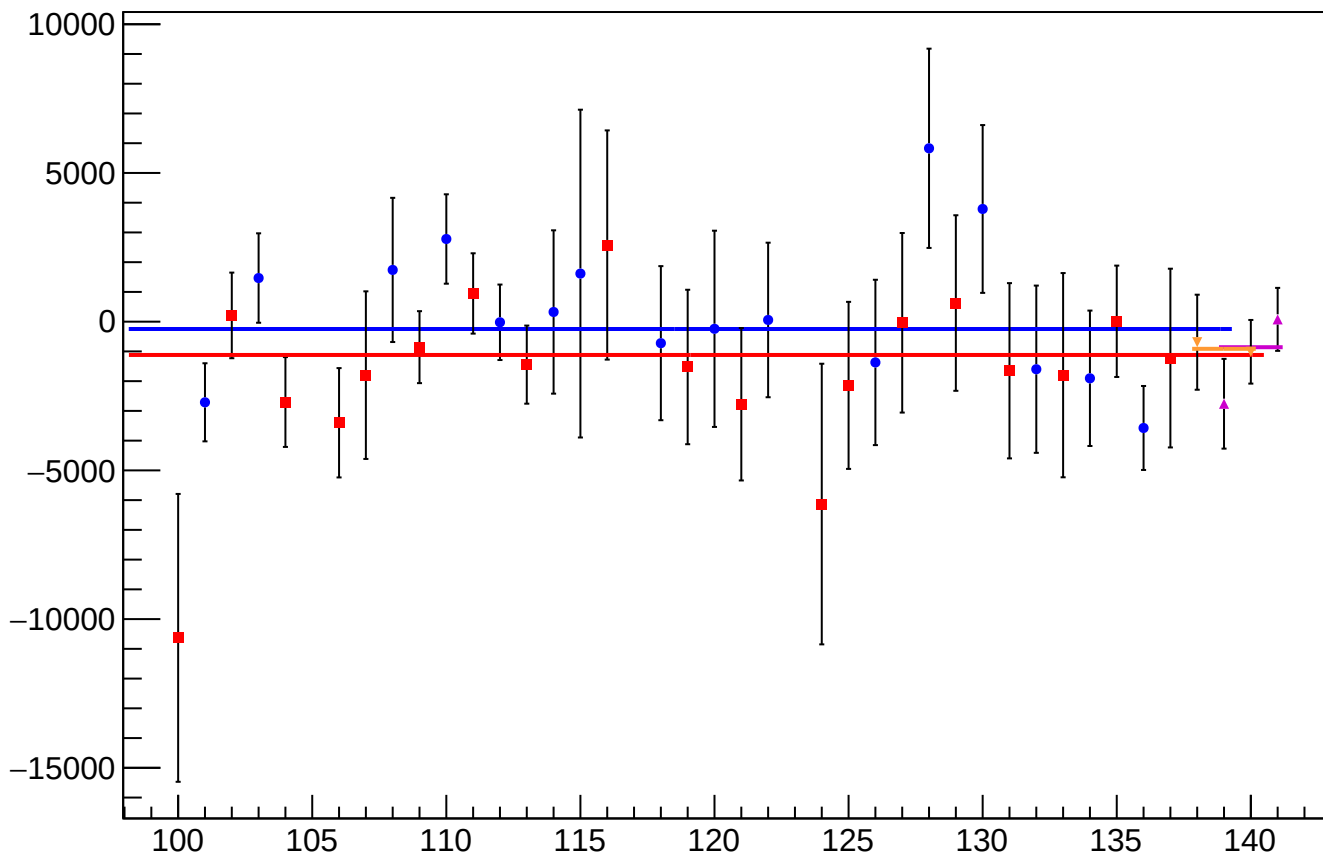
Left In: 135.628+/-0.073 χ^2/NDF : 4053.0/1

+ sign 136.998+/-0.033 χ^2/NDF : 443192.5/17

All: 135.183+/-0.023 χ^2/NDF : 949759.5/38

- sign 133.513+/-0.032 χ^2/NDF : 500803.2/20

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

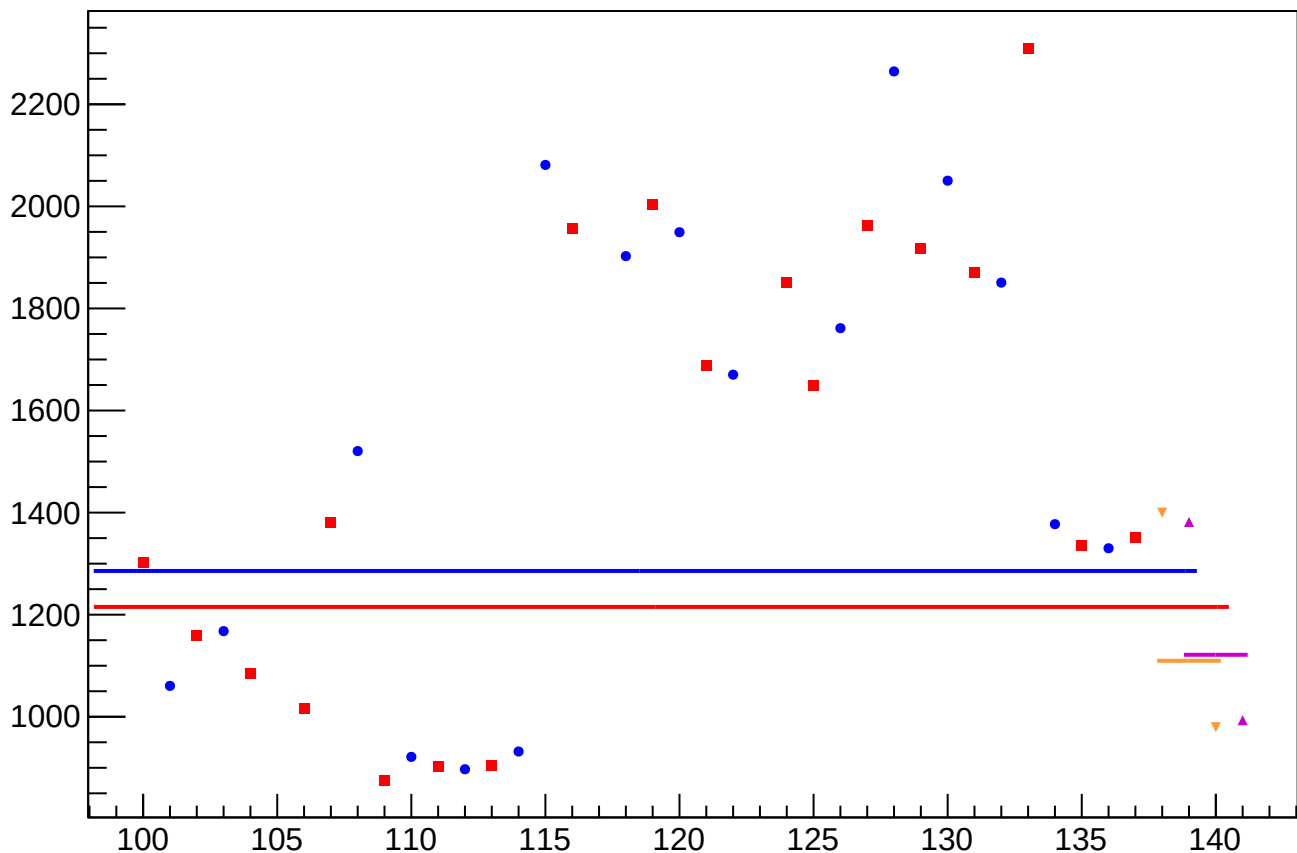
Left In: -858.638 ± 866.658 χ^2/NDF : 2.4/1

+ sign -407.214 ± 436.740 χ^2/NDF : 22.1/17

All: -752.812 ± 299.718 χ^2/NDF : 39.1/38

- sign -1060.466 ± 412.067 χ^2/NDF : 15.8/20

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

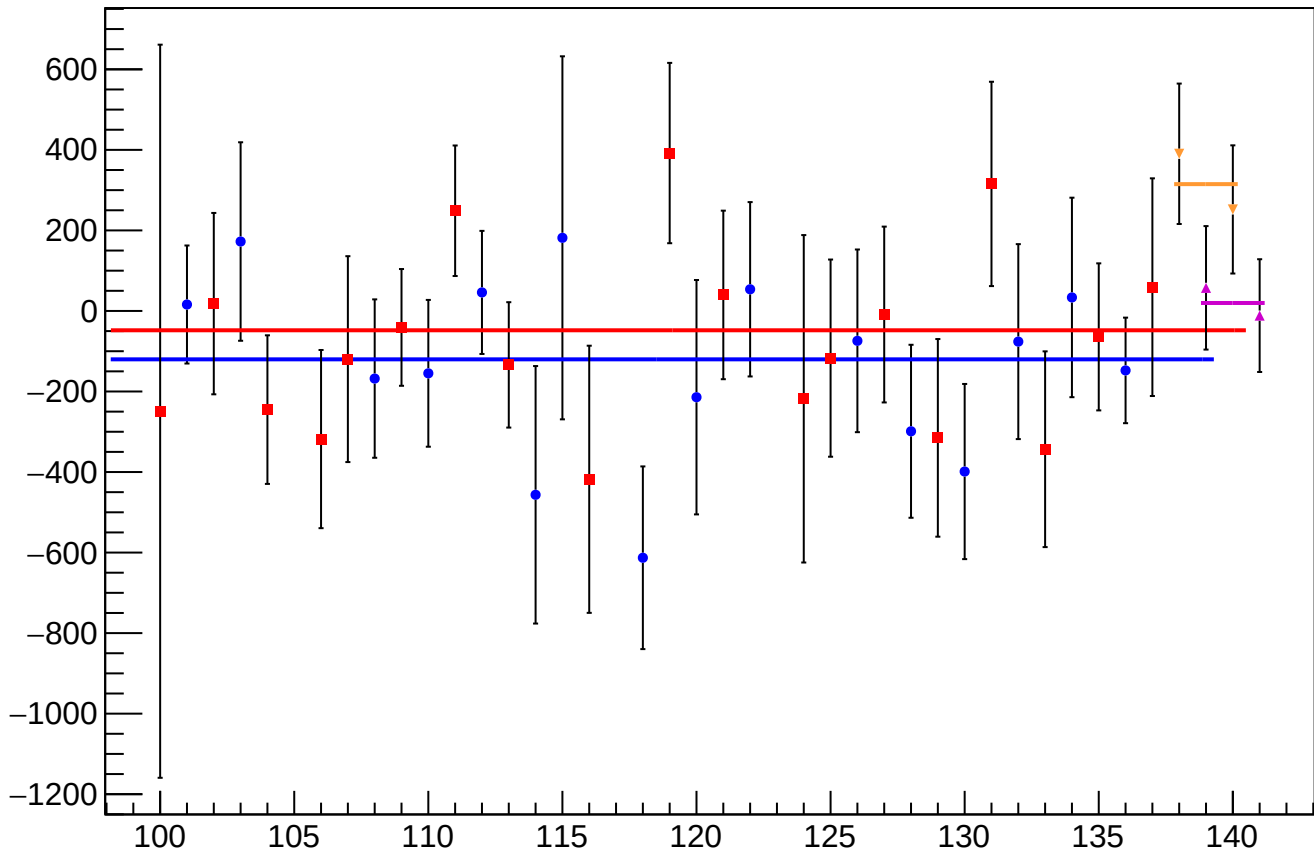
Left In: 1121.452+/-0.613 χ^2/NDF : 88815.1/1

+ sign 1243.198+/-0.309 χ^2/NDF : 1325490.7/17

All: 1217.189+/-0.212 χ^2/NDF : 2832129.7/38

- sign 1194.035+/-0.291 χ^2/NDF : 1493231.6/20

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 314.912 ± 117.540 χ^2/NDF : 0.3/1

Right Out: -48.013 ± 49.919 χ^2/NDF : 17.0/18

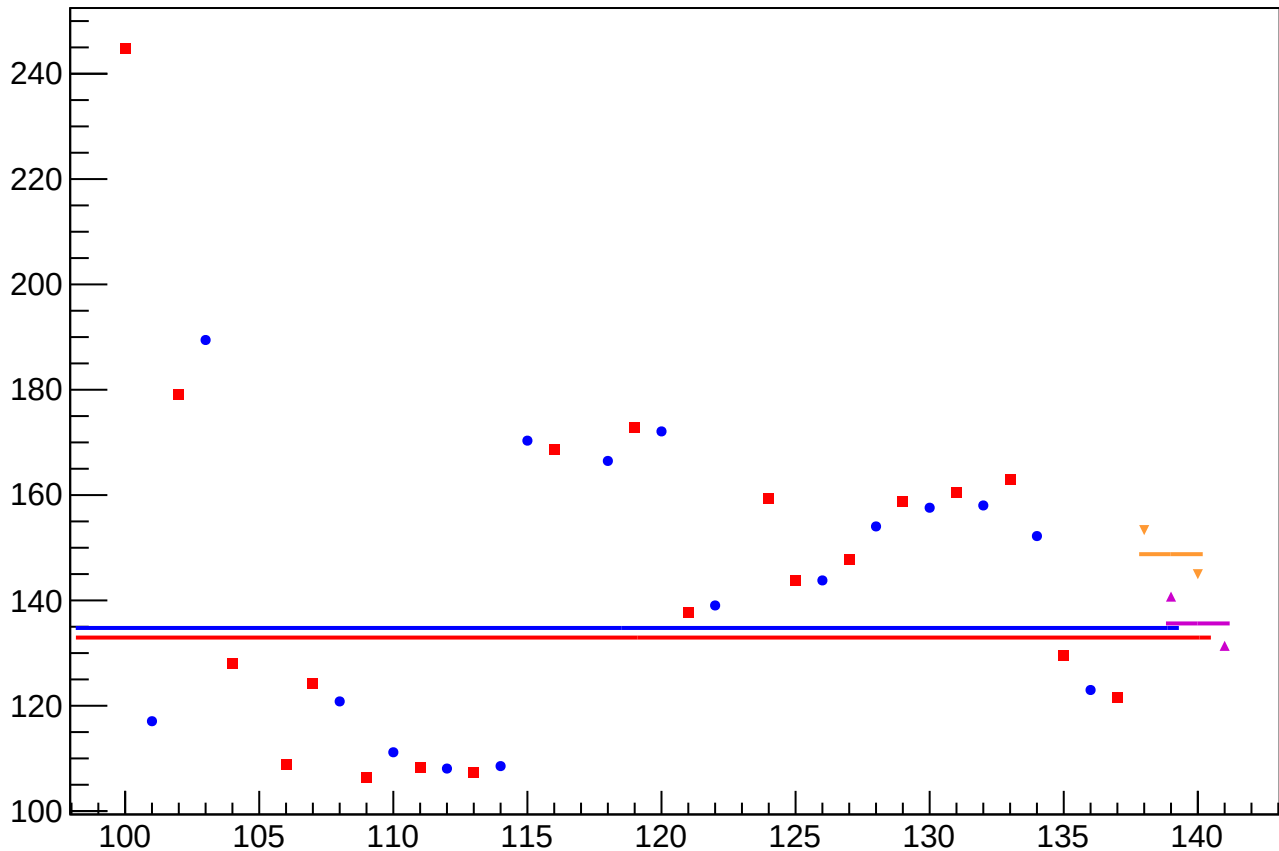
Left In: 19.792 ± 103.383 χ^2/NDF : 0.1/1

+ sign -51.001 ± 46.865 χ^2/NDF : 25.3/17

All: -42.768 ± 32.442 χ^2/NDF : 42.8/38

- sign -35.193 ± 44.953 χ^2/NDF : 17.4/20

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

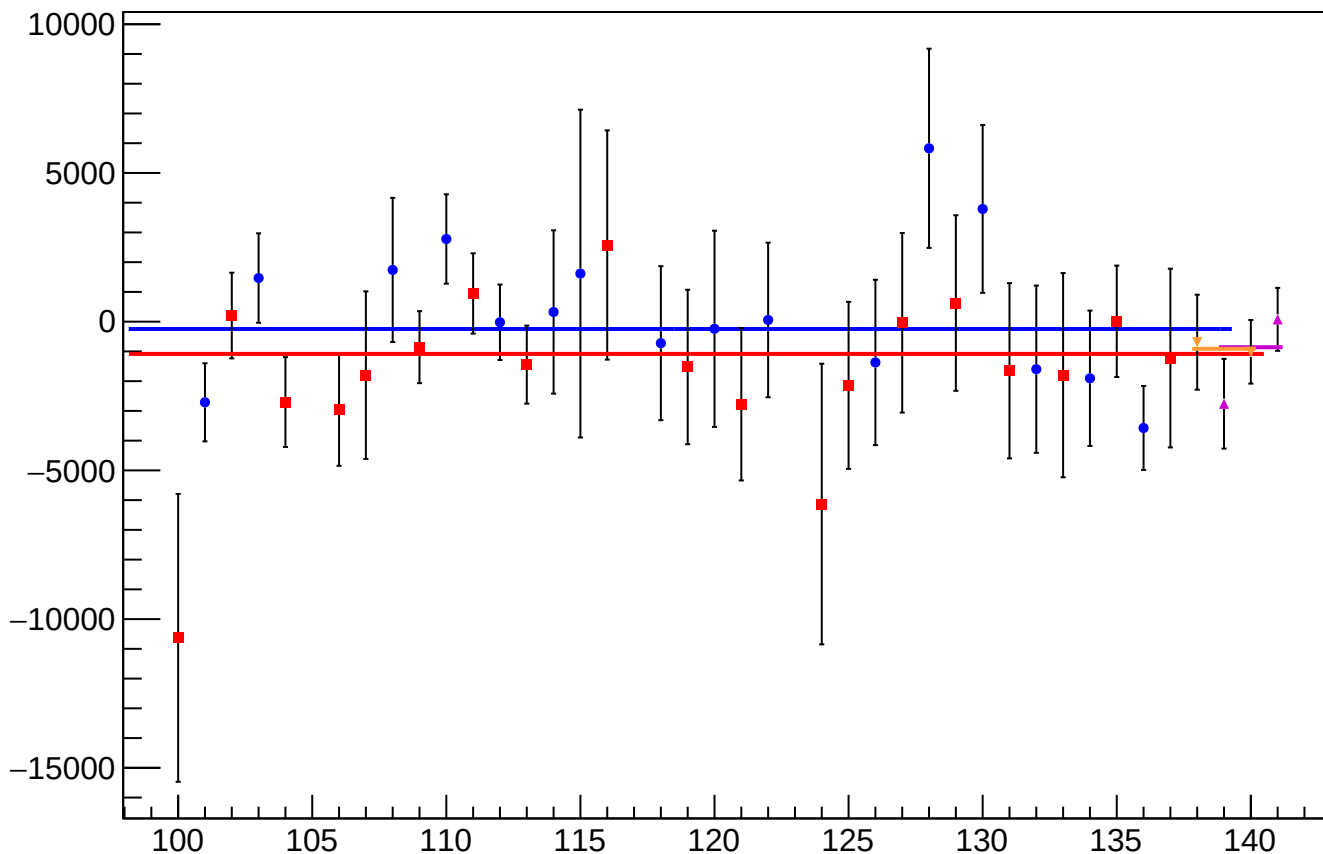
Left In: 135.629 $\pm$ 0.073 χ^2/NDF : 4053.0/1

+ sign 136.998 $\pm$ 0.033 χ^2/NDF : 443195.5/17

All: 135.152 $\pm$ 0.023 χ^2/NDF : 953148.6/38

- sign 133.454 $\pm$ 0.032 χ^2/NDF : 503994.8/20

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

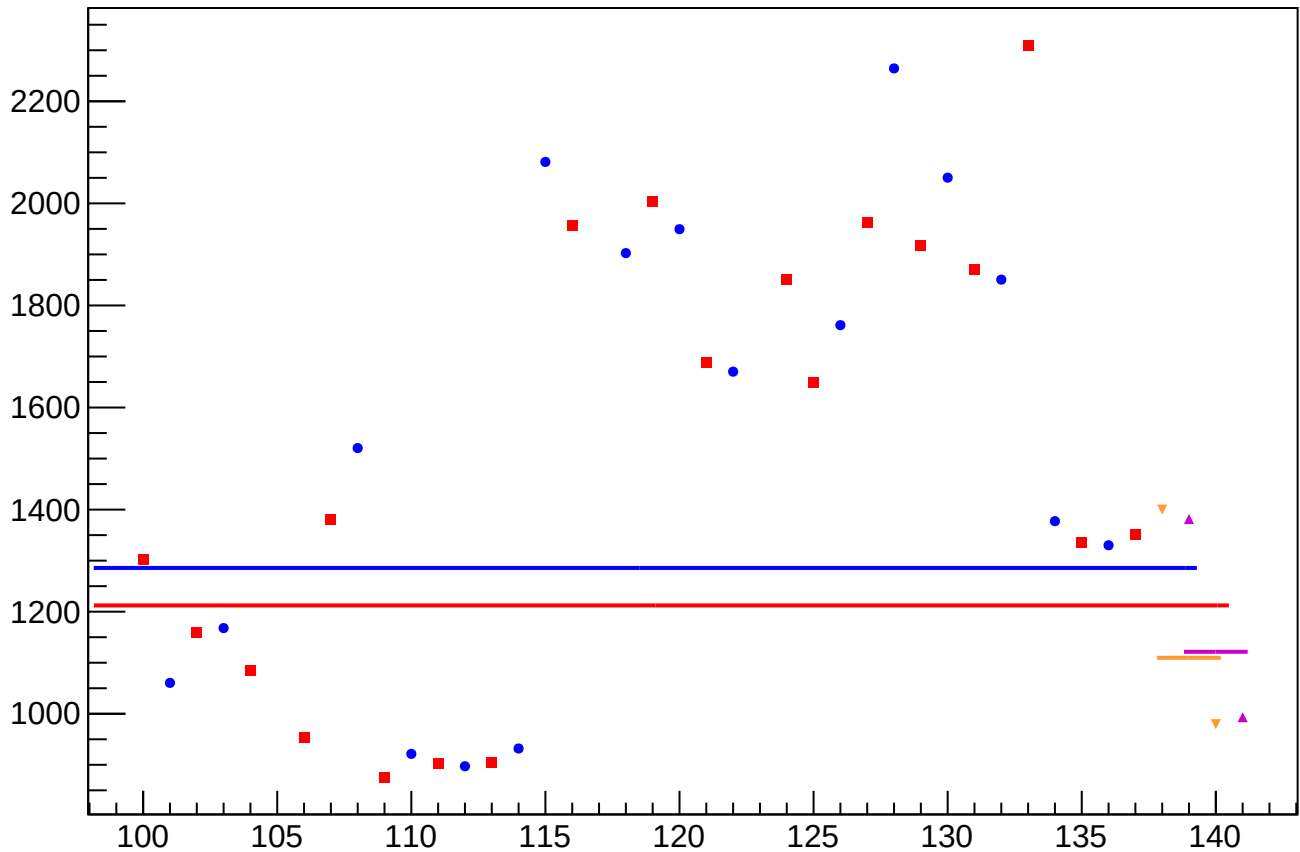
Left In: -858.673 ± 866.659 χ^2/NDF : 2.4/1

+ sign -407.265 ± 436.743 χ^2/NDF : 22.1/17

All: -737.821 ± 299.961 χ^2/NDF : 38.4/38

- sign -1032.978 ± 412.696 χ^2/NDF : 15.2/20

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

Right Out: 1212.276+/-0.332 χ^2/NDF : 1400635.5/18

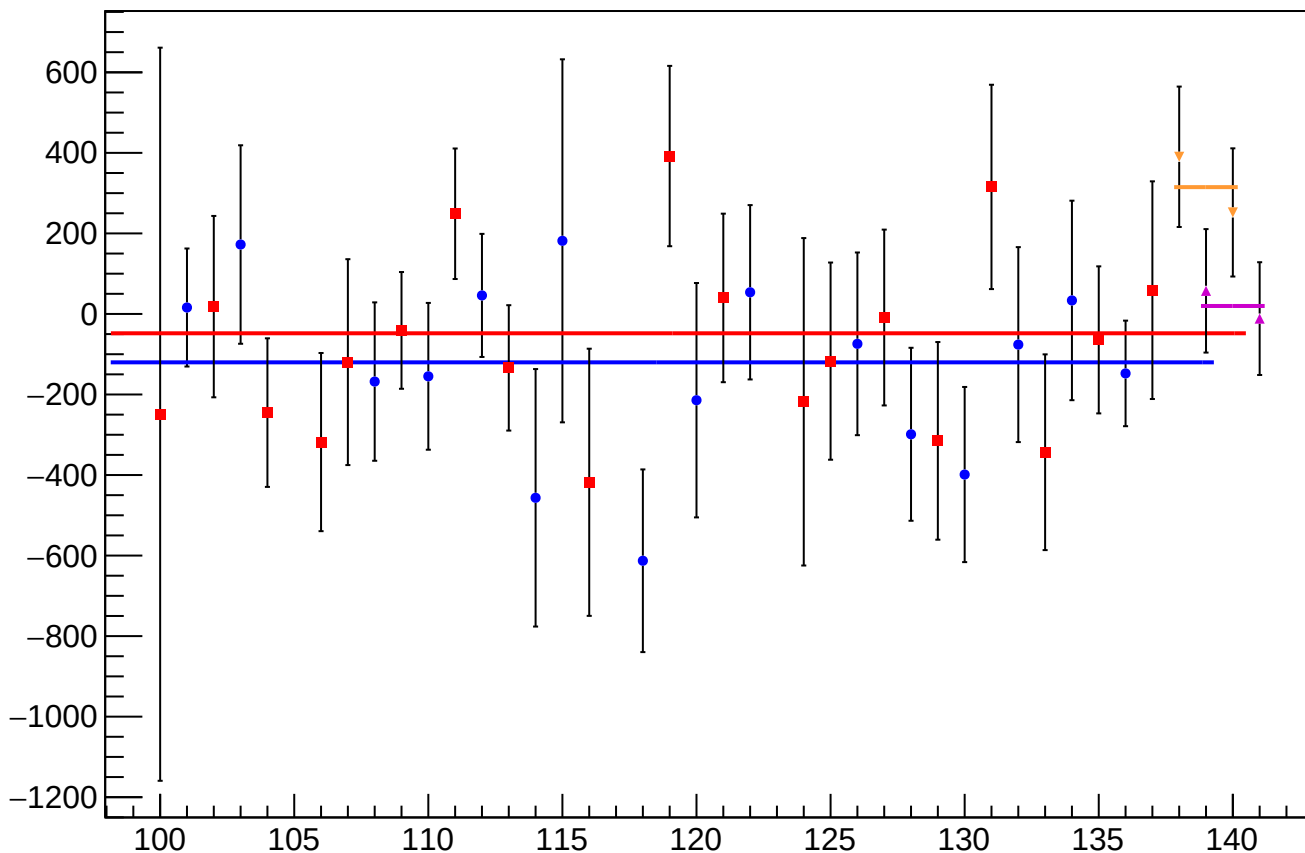
Left In: 1121.453+/-0.613 χ^2/NDF : 88813.8/1

+ sign 1243.207+/-0.309 χ^2/NDF : 1325475.3/17

All: 1215.986+/-0.212 χ^2/NDF : 2846614.9/38

- sign 1191.681+/-0.292 χ^2/NDF : 1506433.2/20

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 314.912 ± 117.540 χ^2/NDF : 0.3/1

Right Out: -48.013 ± 49.919 χ^2/NDF : 17.0/18

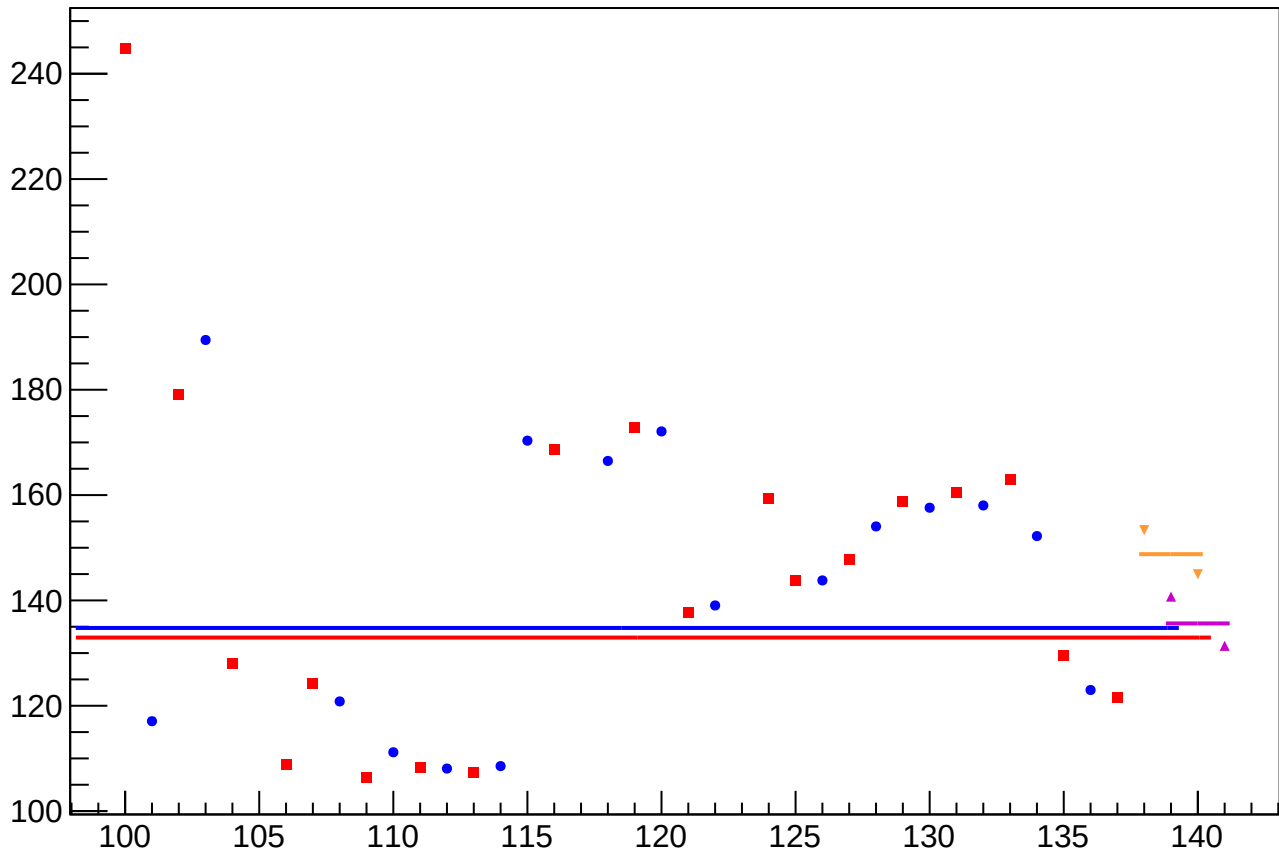
Left In: 19.792 ± 103.383 χ^2/NDF : 0.1/1

+ sign -51.001 ± 46.865 χ^2/NDF : 25.3/17

All: -42.768 ± 32.442 χ^2/NDF : 42.8/38

- sign -35.193 ± 44.953 χ^2/NDF : 17.4/20

eigen_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

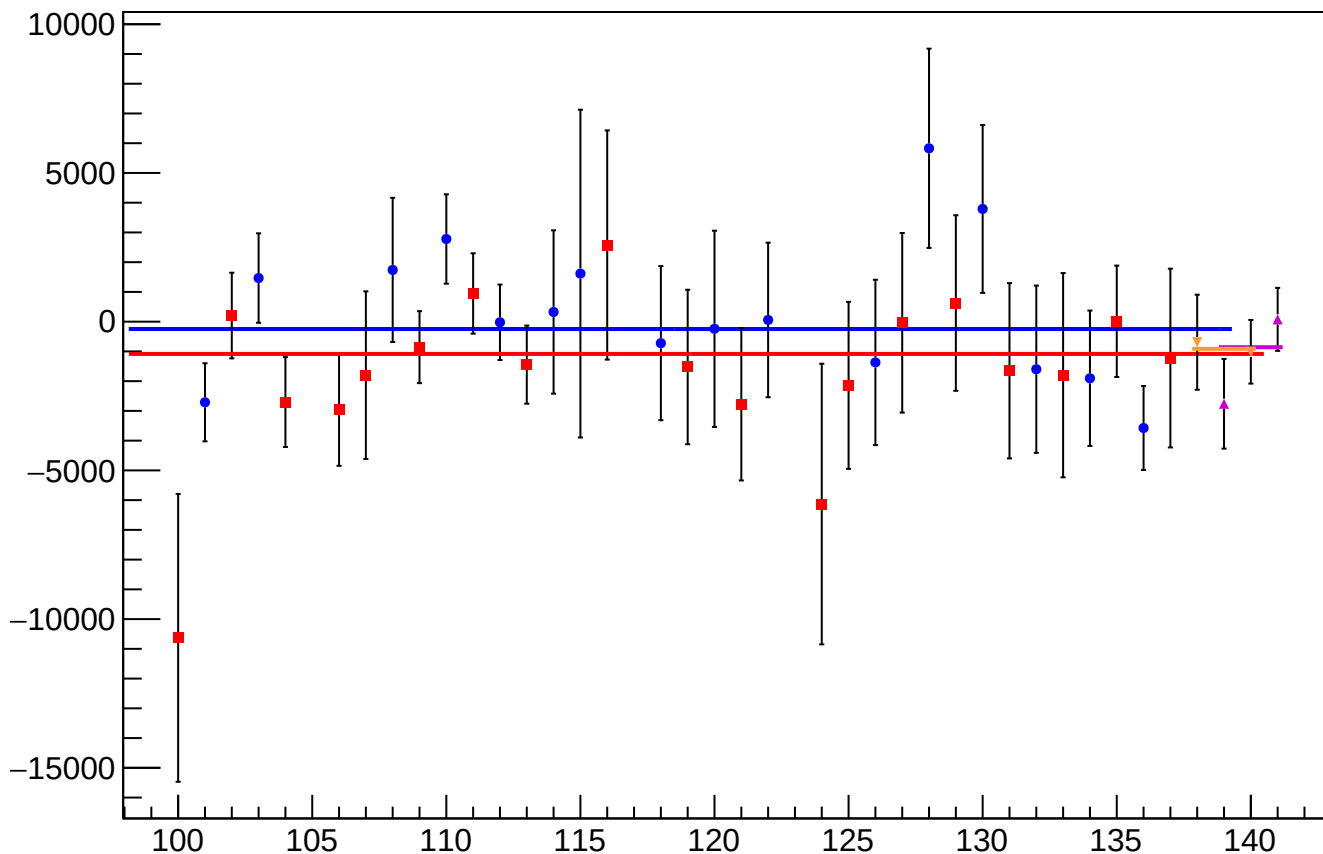
Left In: 135.629 $\pm$ 0.073 χ^2/NDF : 4053.0/1

+ sign 136.998 $\pm$ 0.033 χ^2/NDF : 443195.5/17

All: 135.152 $\pm$ 0.023 χ^2/NDF : 953148.6/38

- sign 133.454 $\pm$ 0.032 χ^2/NDF : 503994.8/20

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

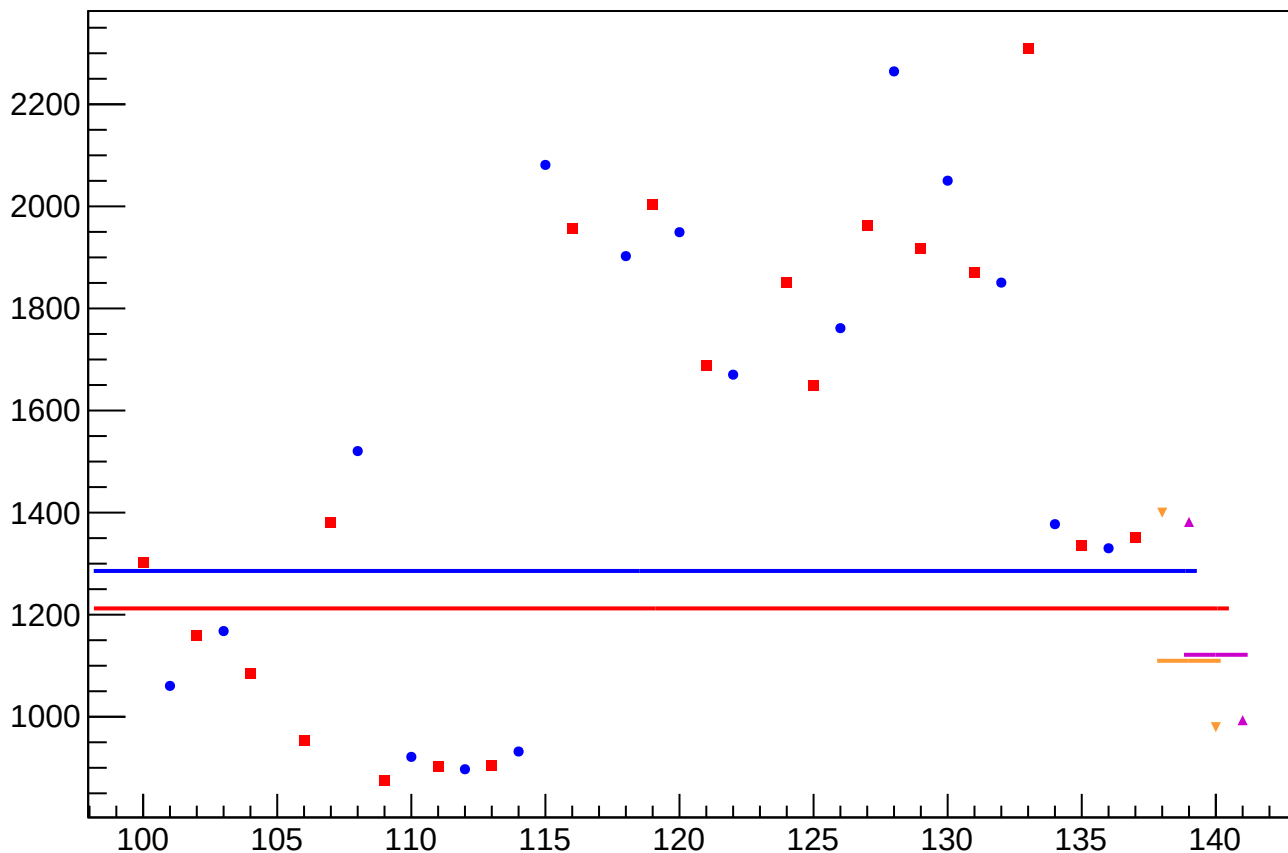
Left In: -858.673+/-866.659 χ^2/NDF : 2.4/1

+ sign -407.265+/-436.743 χ^2/NDF : 22.1/17

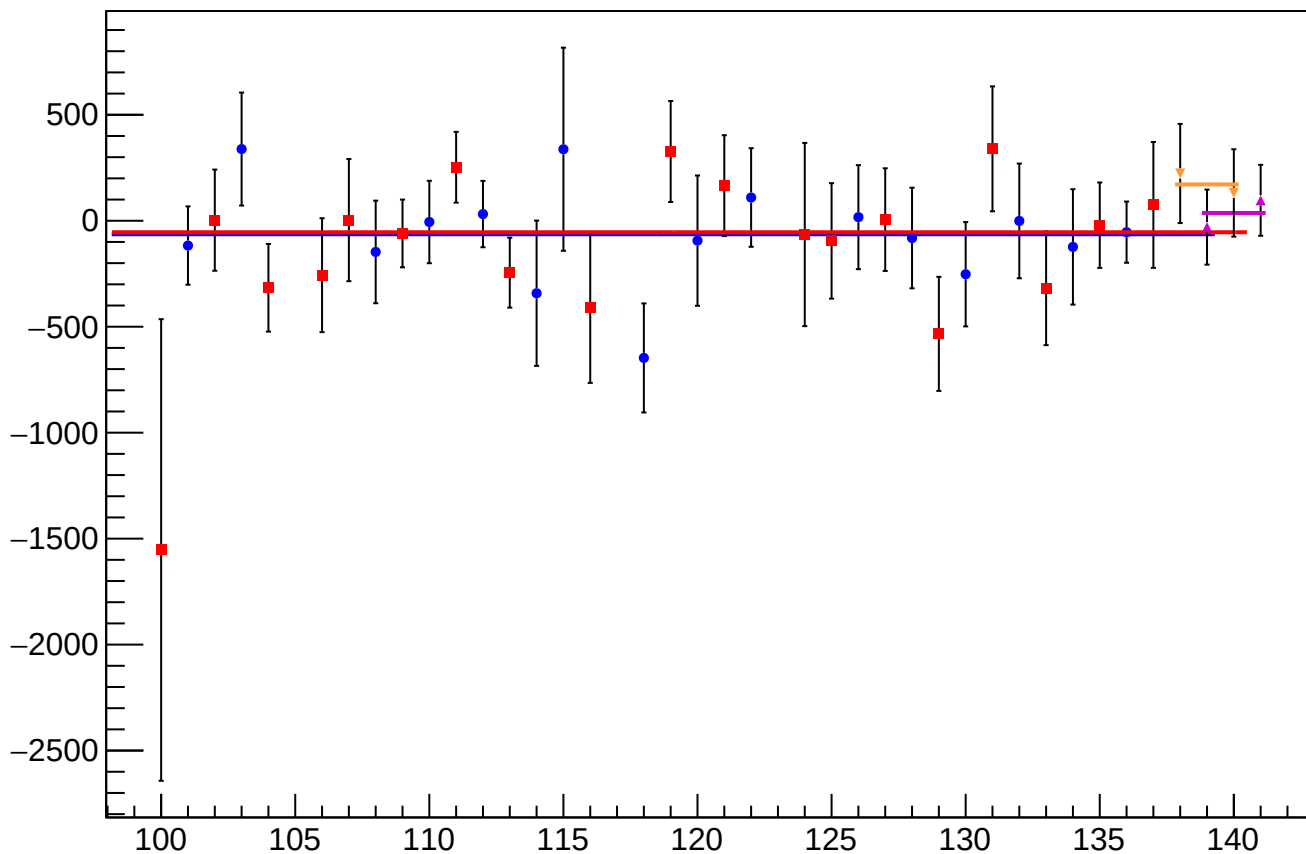
All: -737.821+/-299.961 χ^2/NDF : 38.4/38

- sign -1032.978+/-412.696 χ^2/NDF : 15.2/20

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



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

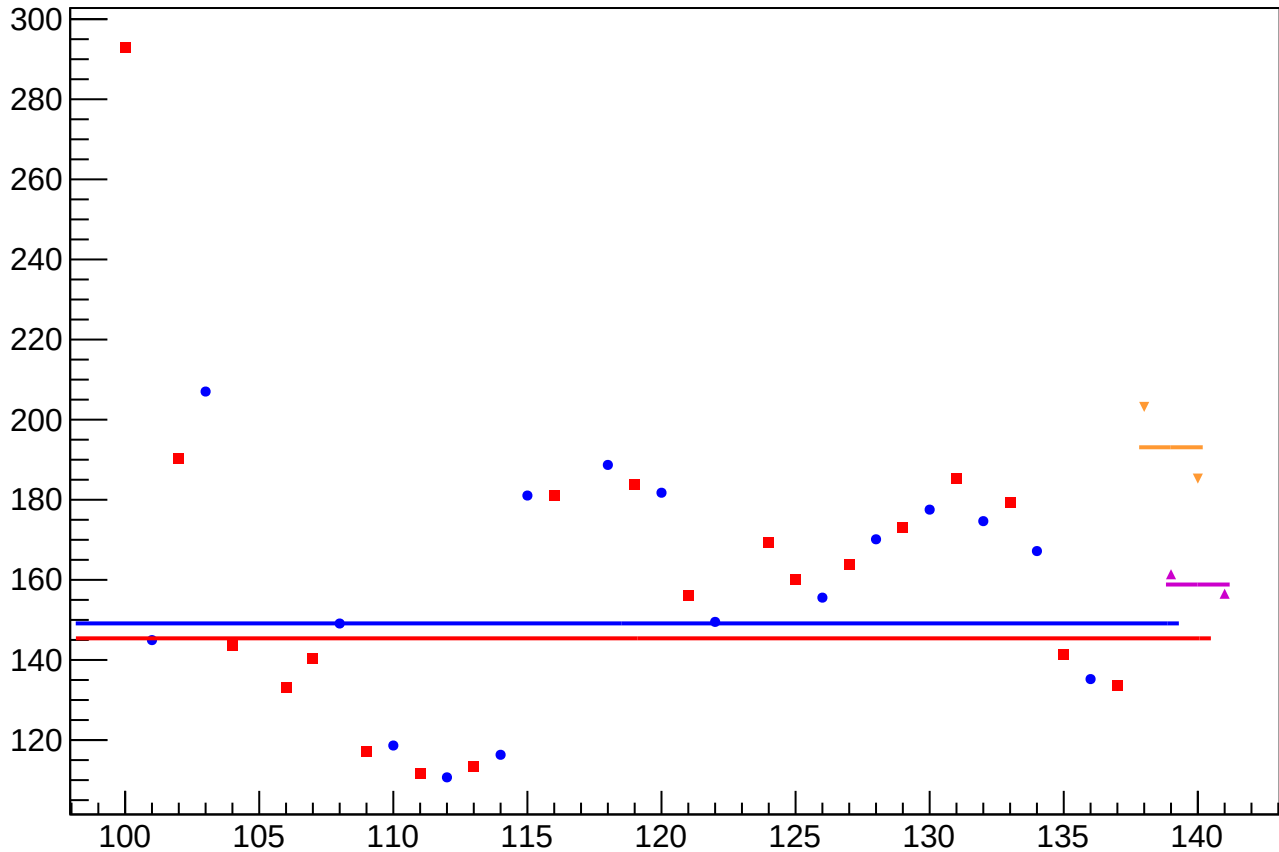
Left In: 36.763 ± 121.612 χ^2/NDF : 0.3/1

+ sign -35.904 ± 53.265 χ^2/NDF : 12.9/17

All: -37.531 ± 36.423 χ^2/NDF : 33.2/38

- sign -38.961 ± 49.918 χ^2/NDF : 20.2/20

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF : 451003.6/15

Left Out: 193.105+/-0.109 χ^2/NDF : 6589.0/1

Right Out: 145.399+/-0.039 χ^2/NDF : 525820.0/18

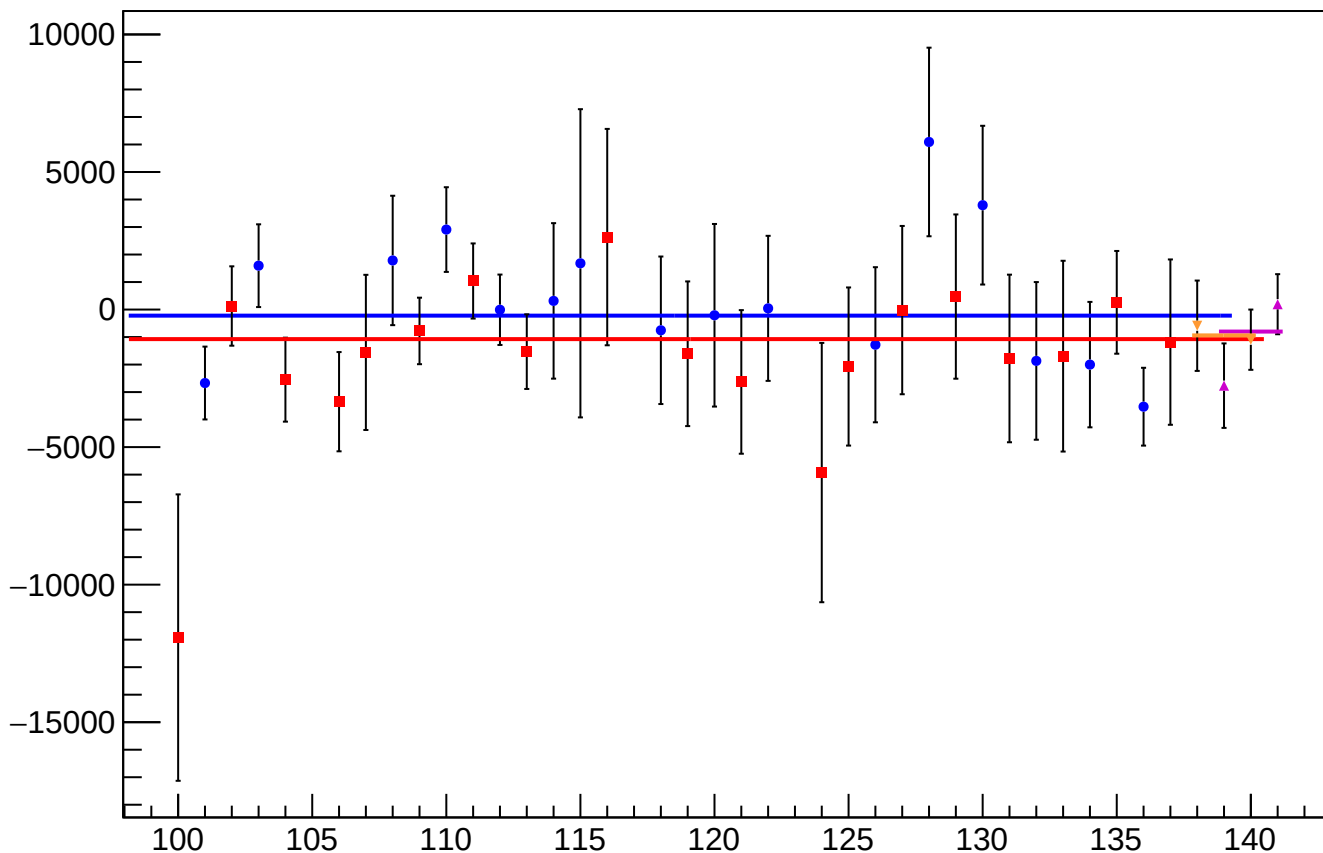
Left In: 158.836+/-0.086 χ^2/NDF : 797.9/1

+ sign 154.343+/-0.038 χ^2/NDF : 600029.6/17

All: 150.787+/-0.026 χ^2/NDF : 1163696.0/38

- sign 147.663+/-0.035 χ^2/NDF : 546919.6/20

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

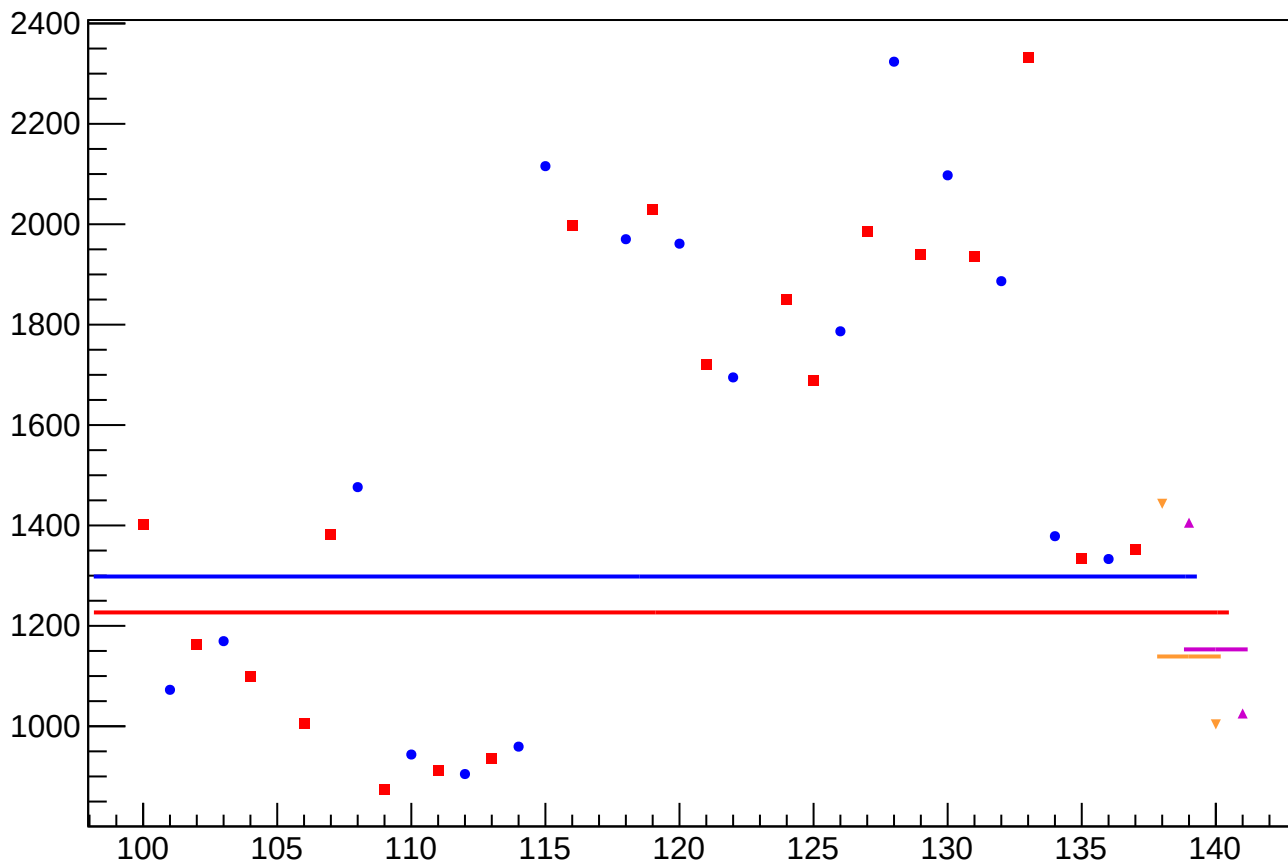
Left In: -800.229+/-889.832 χ^2/NDF : 2.5/1

+ sign -390.636+/-442.494 χ^2/NDF : 22.4/17

All: -720.427+/-303.682 χ^2/NDF : 39.6/38

- sign -1014.060+/-417.533 χ^2/NDF : 16.2/20

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF : 1182123.0/15

Left Out: 1138.989+/-0.644 χ^2/NDF : 99122.8/1

Right Out: 1226.729+/-0.334 χ^2/NDF : 1404521.7/18

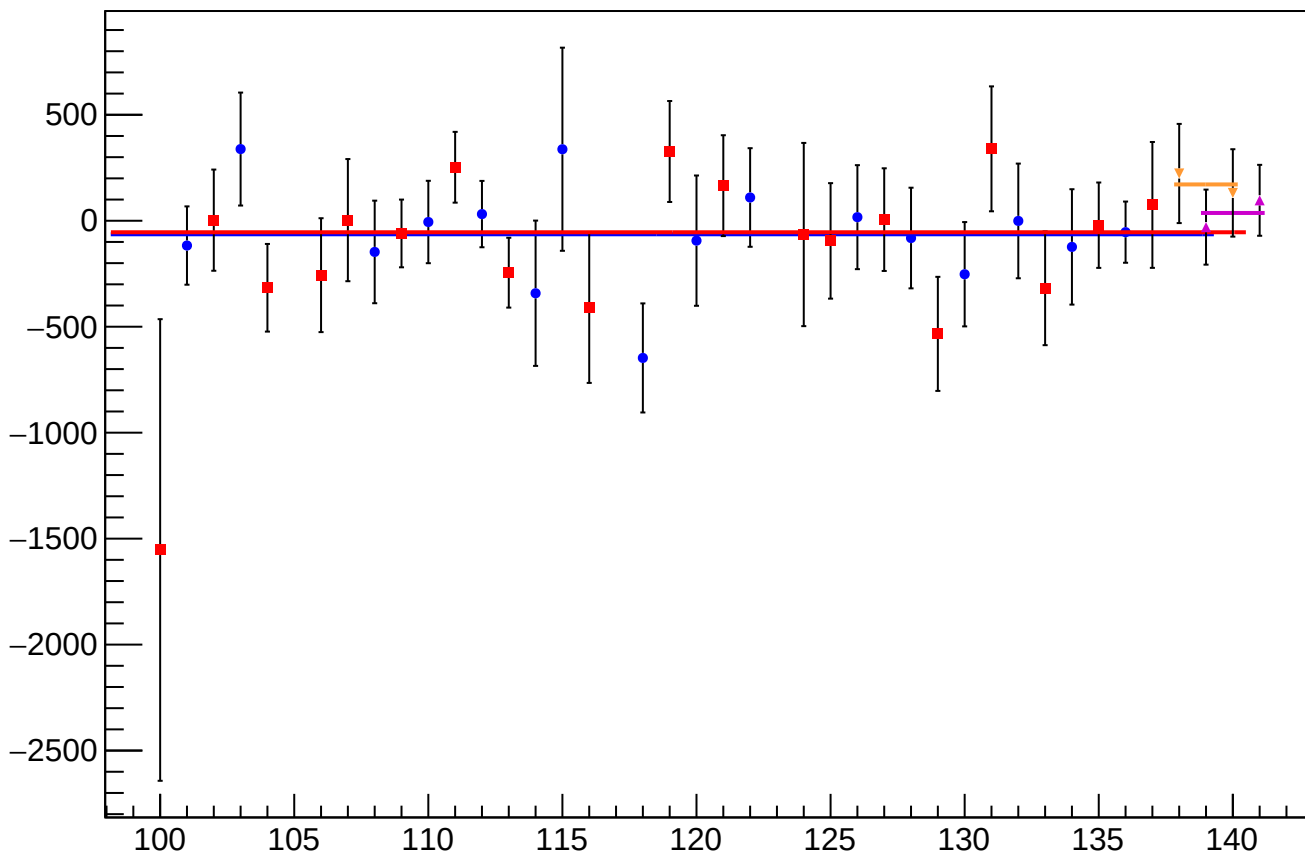
Left In: 1153.128+/-0.629 χ^2/NDF : 81390.0/1

+ sign 1260.718+/-0.313 χ^2/NDF : 1327966.3/17

All: 1234.165+/-0.215 χ^2/NDF : 2838162.3/38

- sign 1210.523+/-0.295 χ^2/NDF : 1496582.0/20

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778 ± 56.734 χ^2/NDF : 10.8/15

Left Out: 171.398 ± 154.707 χ^2/NDF : 0.1/1

Right Out: -54.304 ± 54.743 χ^2/NDF : 19.5/18

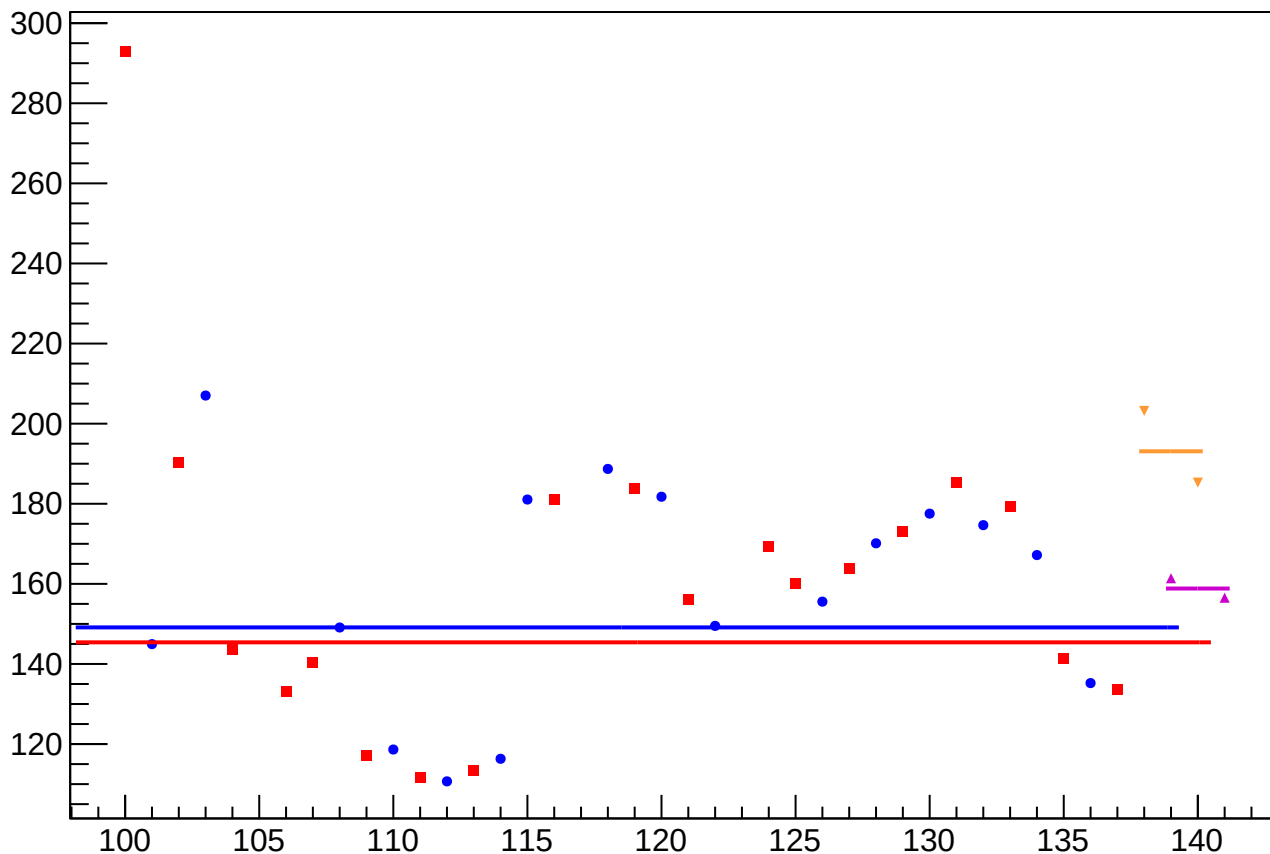
Left In: 36.765 ± 121.612 χ^2/NDF : 0.3/1

+ sign -35.901 ± 53.265 χ^2/NDF : 12.9/17

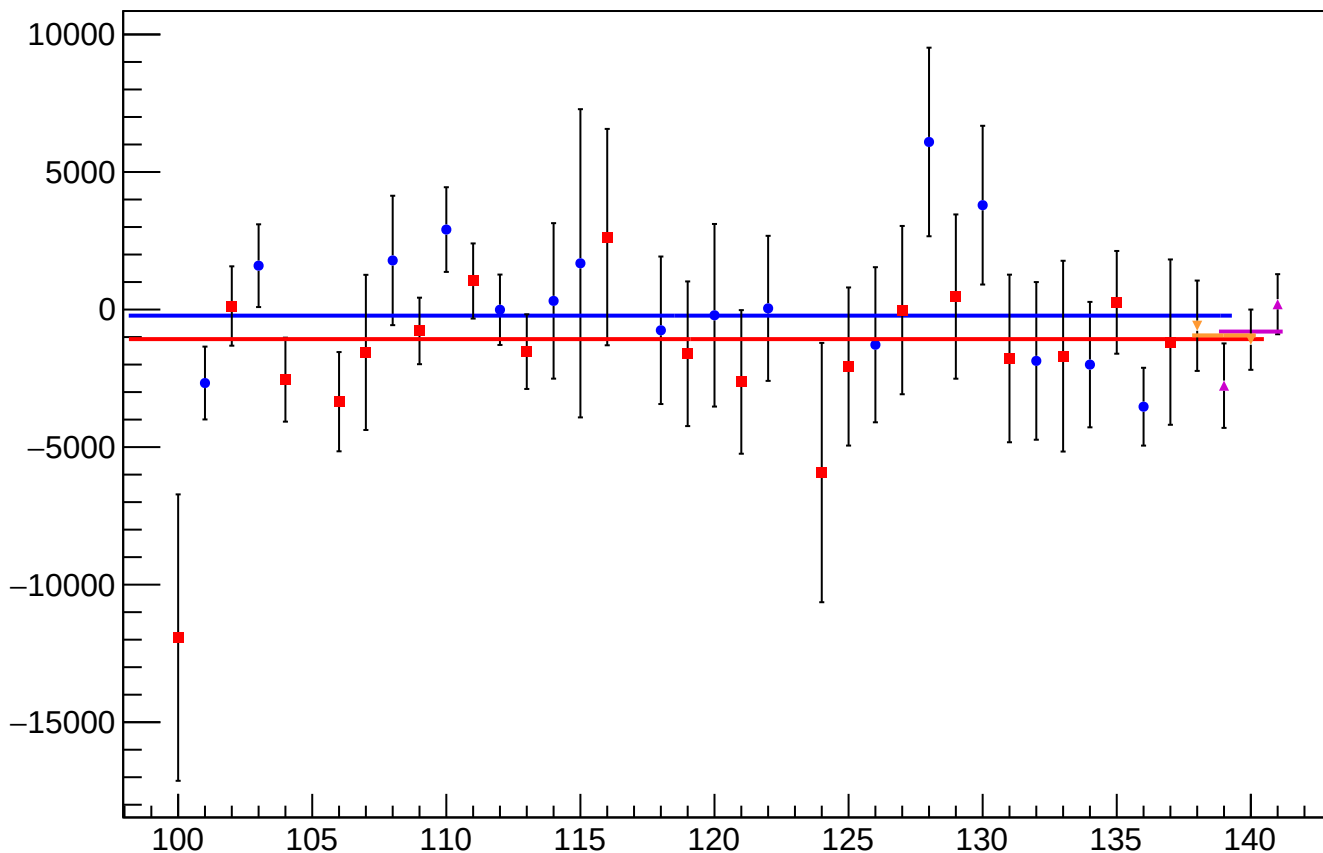
All: -37.530 ± 36.423 χ^2/NDF : 33.2/38

- sign -38.960 ± 49.918 χ^2/NDF : 20.2/20

eigen_dit_asym_sam_48_avg_rms vs Slug



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

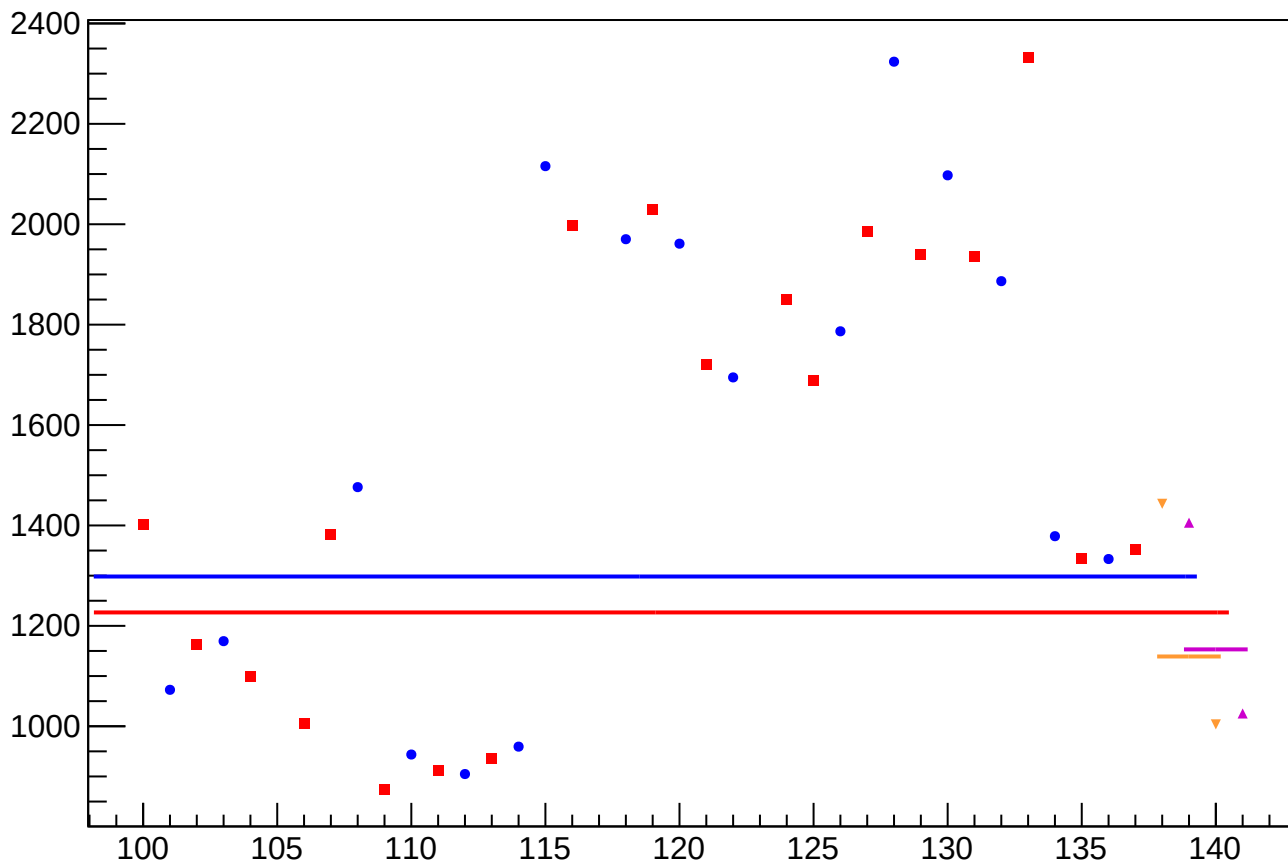
Left In: -800.229+/-889.830 χ^2/NDF : 2.5/1

+ sign -390.635+/-442.493 χ^2/NDF : 22.4/17

All: -720.426+/-303.681 χ^2/NDF : 39.6/38

- sign -1014.059+/-417.533 χ^2/NDF : 16.2/20

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF : 1182127.2/15

Left Out: 1138.986+/-0.644 χ^2/NDF : 99122.6/1

Right Out: 1226.727+/-0.334 χ^2/NDF : 1404524.7/18

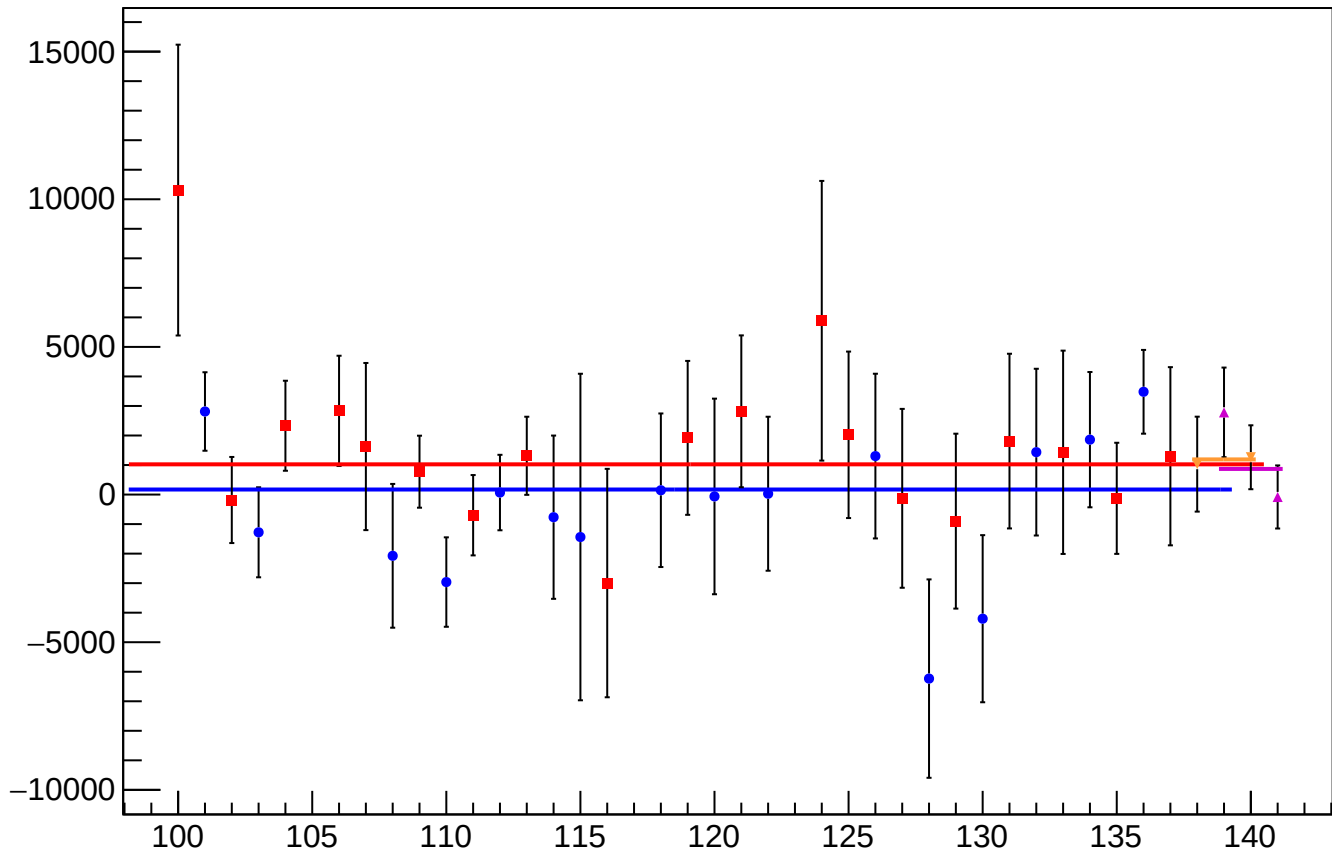
Left In: 1153.125+/-0.629 χ^2/NDF : 81390.7/1

+ sign 1260.716+/-0.313 χ^2/NDF : 1327971.6/17

All: 1234.164+/-0.215 χ^2/NDF : 2838171.5/38

- sign 1210.522+/-0.295 χ^2/NDF : 1496586.0/20

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF : 22.6/15

Left Out: 1190.621+/-897.773 χ^2/NDF : 0.0/1

Right Out: 1023.699+/-472.008 χ^2/NDF : 11.6/18

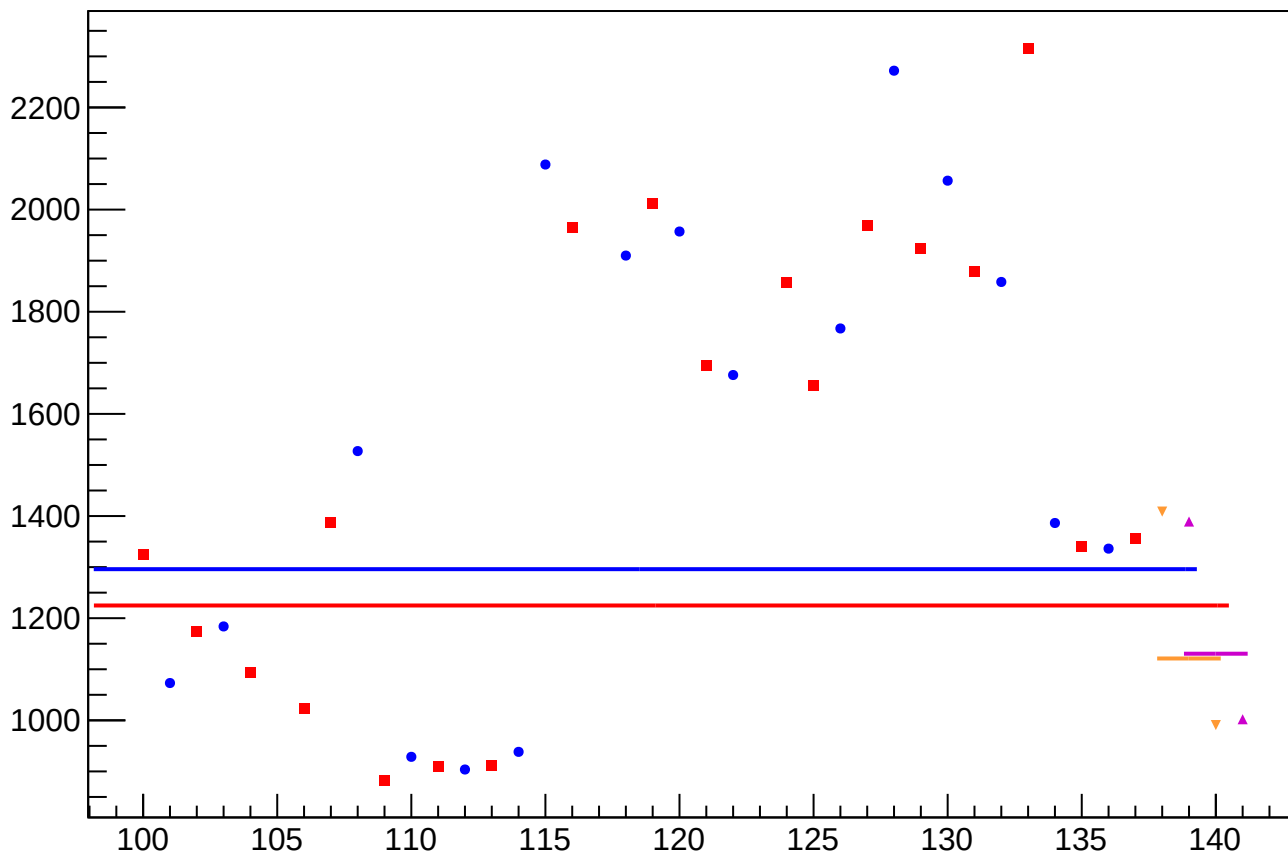
Left In: 868.074+/-873.341 χ^2/NDF : 2.4/1

+ sign 416.217+/-440.235 χ^2/NDF : 23.6/17

All: 719.073+/-302.070 χ^2/NDF : 38.4/38

- sign 988.517+/-415.242 χ^2/NDF : 14.0/20

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2 /NDF: 1154185.9/15

Left Out: 1121.112+/-0.635 χ^2 /NDF:93038.0/1

Right Out: 1224.872+/-0.334 χ^2 /NDF: 1371285.2/18

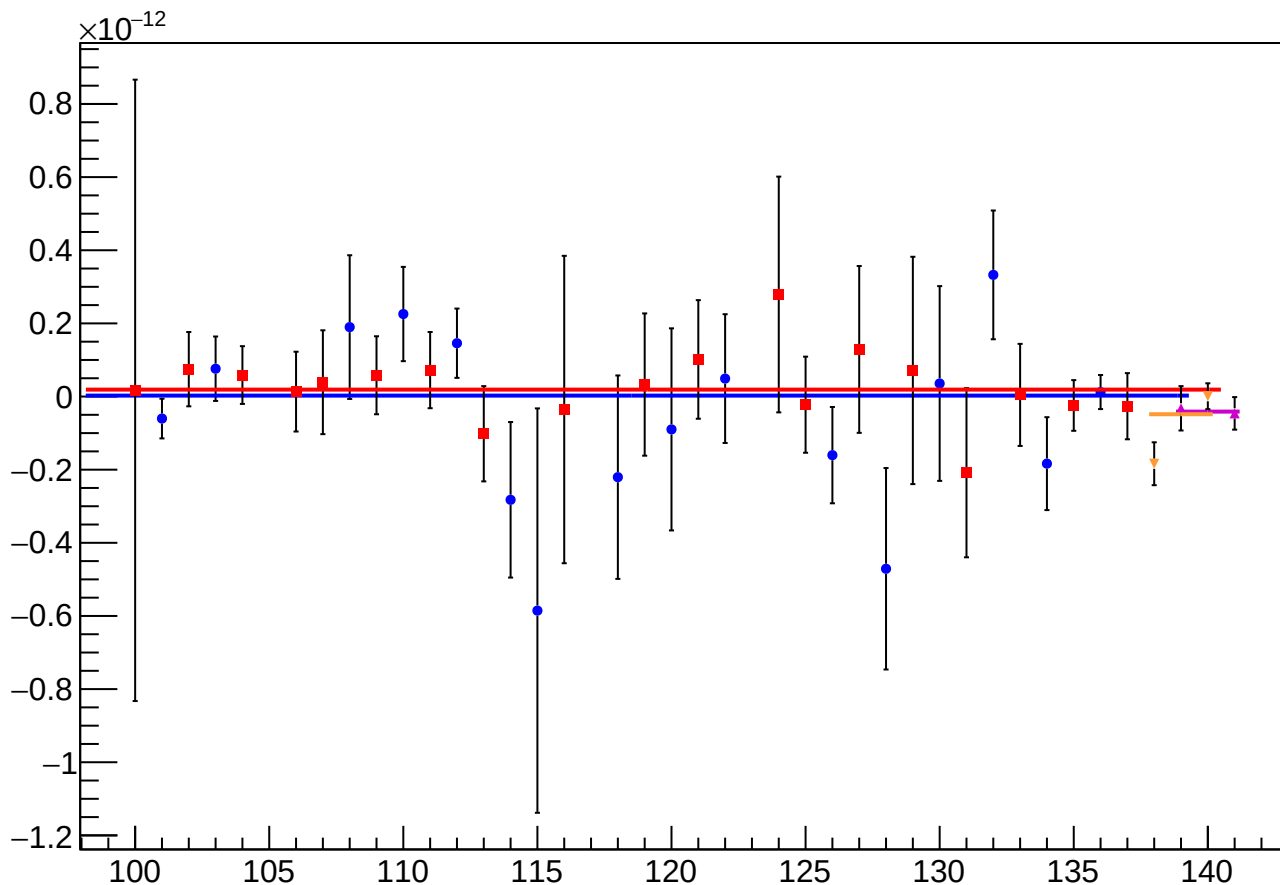
Left In: 1130.461+/-0.618 χ^2 /NDF:87062.8/1

+ sign 1253.937+/-0.311 χ^2 /NDF: 1304861.2/17

All: 1227.262+/-0.214 χ^2 /NDF: 2795174.7/38

- sign 1203.529+/-0.294 χ^2 /NDF: 1476436.9/20

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF : 7.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4.7/18

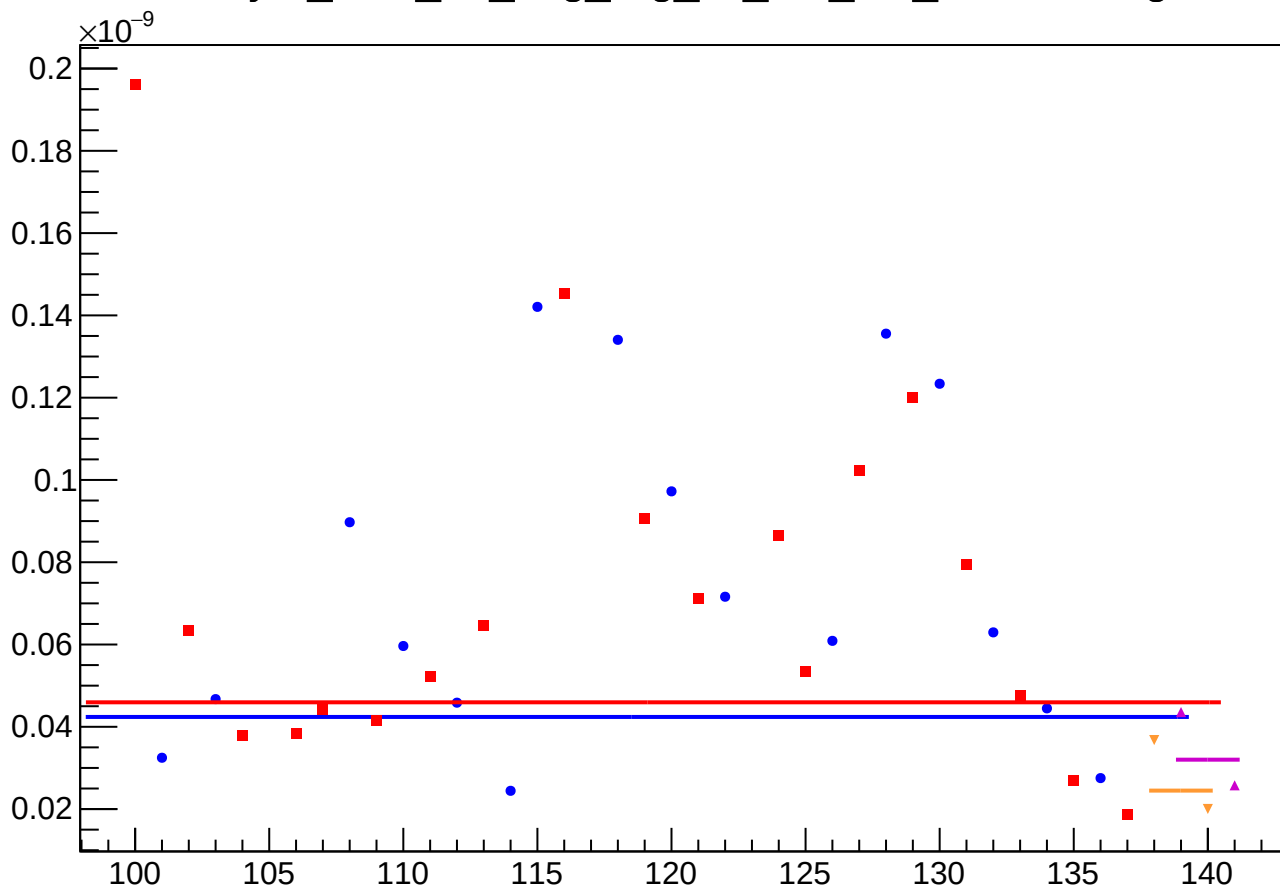
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 31.0/17

All: -0.000+/-0.000 χ^2/NDF : 37.8/38

- sign -0.000+/-0.000 χ^2/NDF : 6.5/20

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

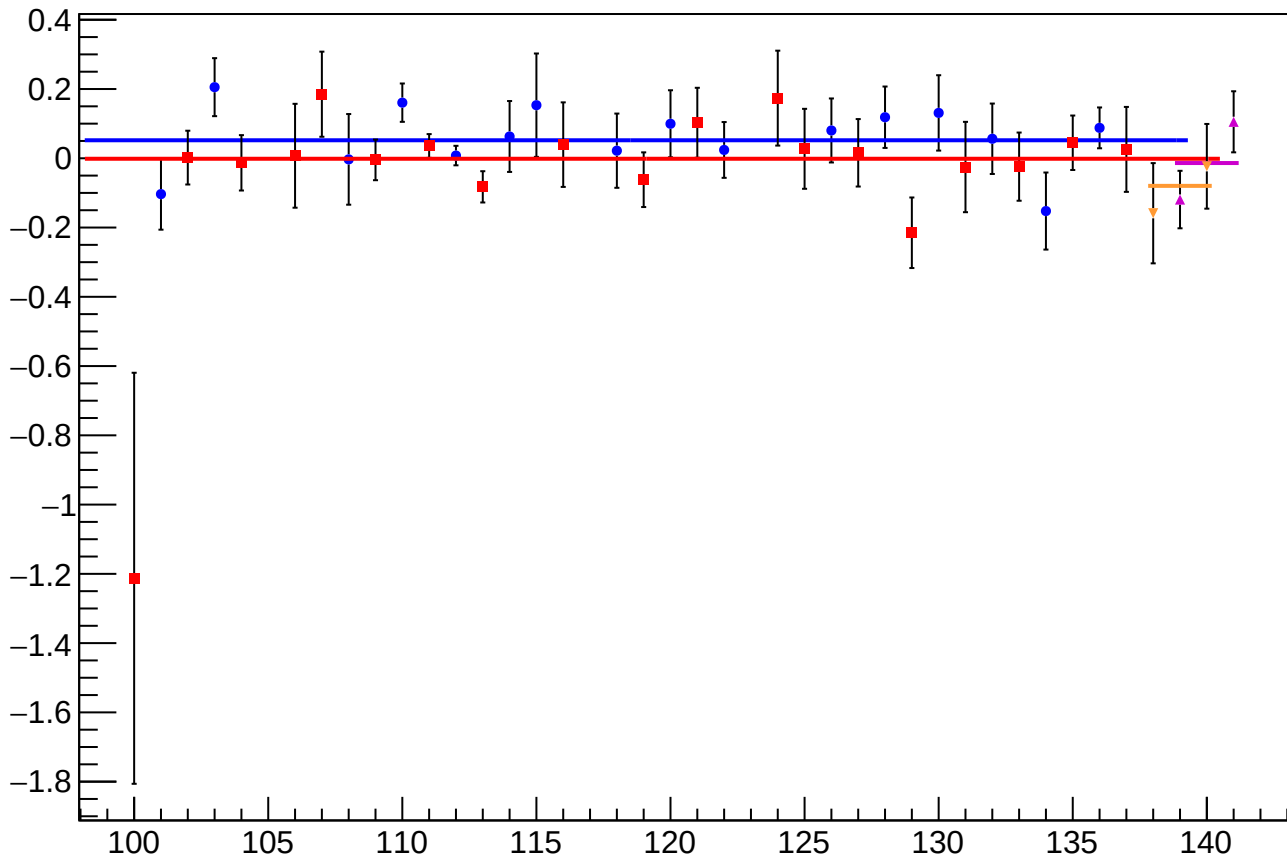
Left In: 0.000 +/- 0.000 χ^2/NDF : 112111.3/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 1852552.2/17

All: 0.000 +/- 0.000 χ^2/NDF : 3344304.4/38

- sign 0.000 +/- 0.000 χ^2/NDF : 1413952.2/20

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 χ^2/NDF : 18.0/15

Left Out: -0.080 ± 0.093 χ^2/NDF : 0.5/1

Right Out: -0.001 ± 0.018 χ^2/NDF : 19.2/18

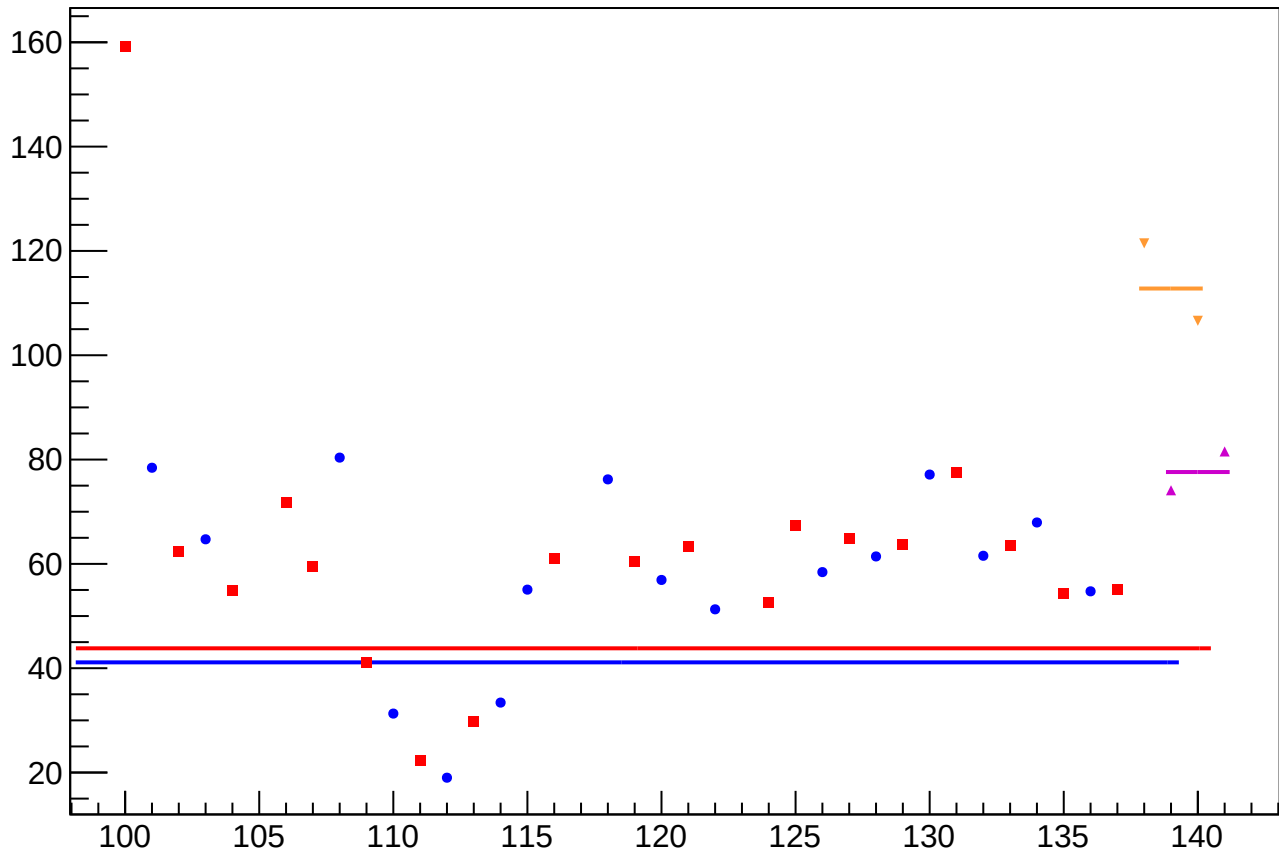
Left In: -0.014 ± 0.060 χ^2/NDF : 3.4/1

+ sign 0.047 ± 0.017 χ^2/NDF : 20.4/17

All: 0.022 ± 0.012 χ^2/NDF : 47.3/38

- sign -0.002 ± 0.017 χ^2/NDF : 22.7/20

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120 $\pm$ 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

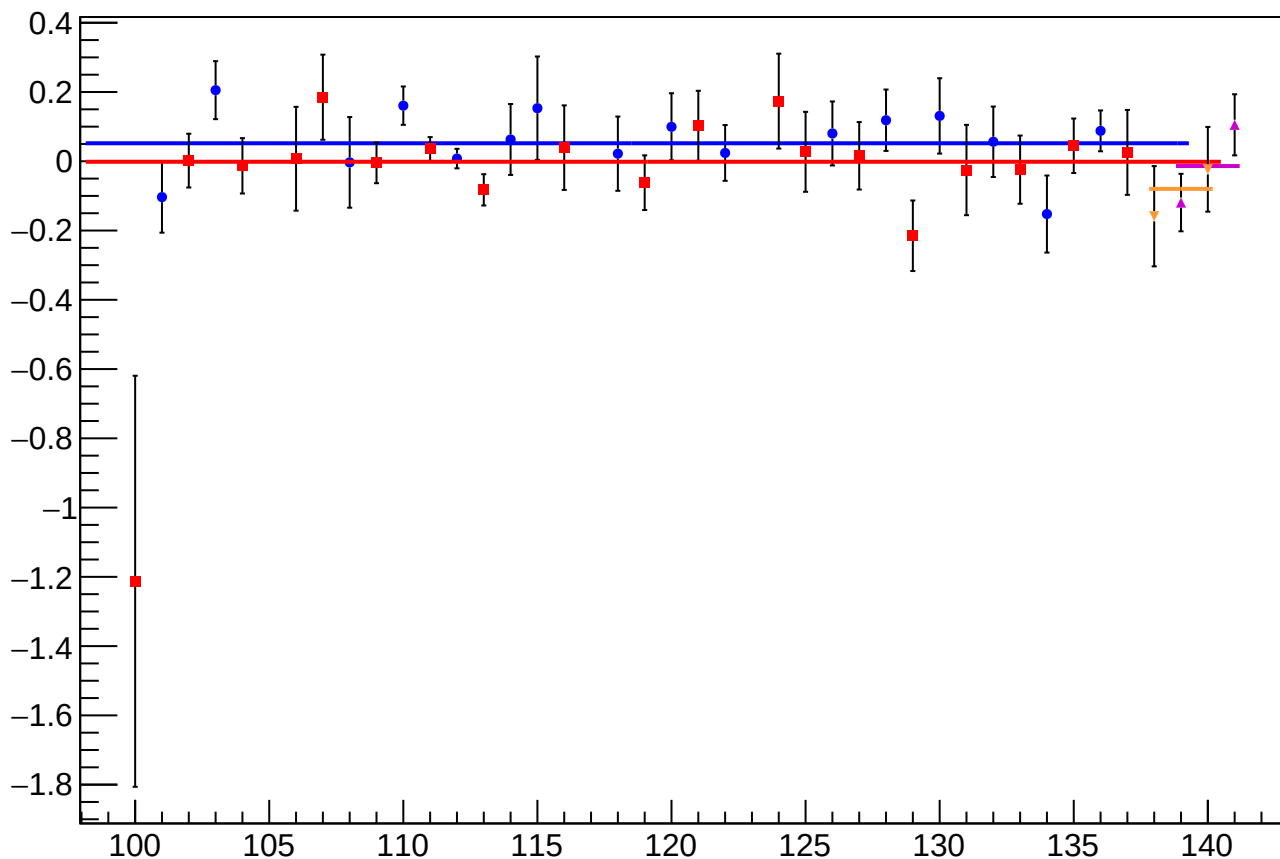
Left In: 77.610 $\pm$ 0.043 χ^2 /NDF:7555.7/1

+ sign 43.624 $\pm$ 0.012 χ^2 /NDF: 4073710.0/17

All: 45.108 $\pm$ 0.009 χ^2 /NDF: 6733143.6/38

- sign 46.547 $\pm$ 0.012 χ^2 /NDF: 2630951.1/20

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

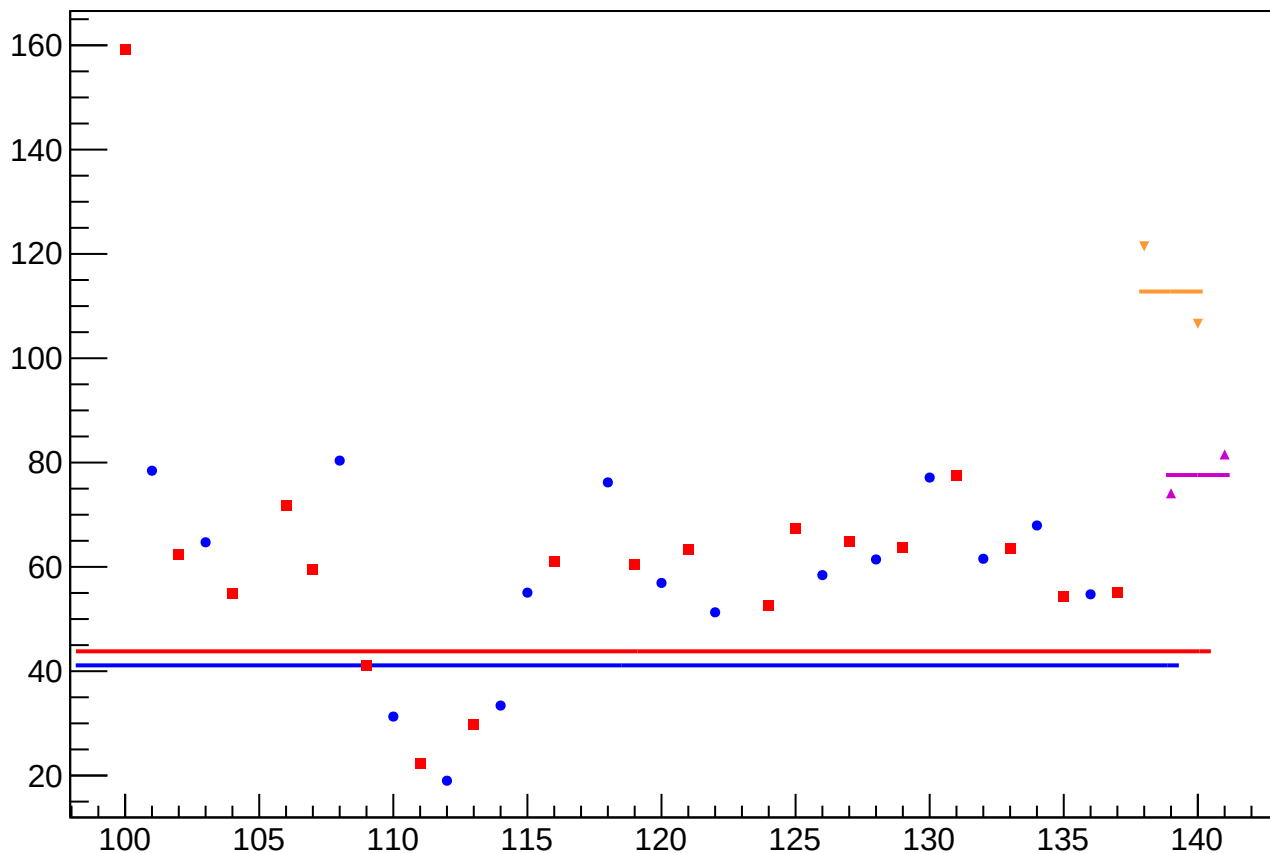
Left In: -0.014 $\pm$ 0.060 χ^2 /NDF: 3.4/1

+ sign 0.047 $\pm$ 0.017 χ^2 /NDF: 20.4/17

All: 0.022 $\pm$ 0.012 χ^2 /NDF: 47.3/38

- sign -0.002 $\pm$ 0.017 χ^2 /NDF: 22.7/20

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF : 2925302.3/15

Left Out: 112.792+/-0.066 χ^2/NDF : 12275.3/1

Right Out: 43.813+/-0.013 χ^2/NDF : 2048452.0/18

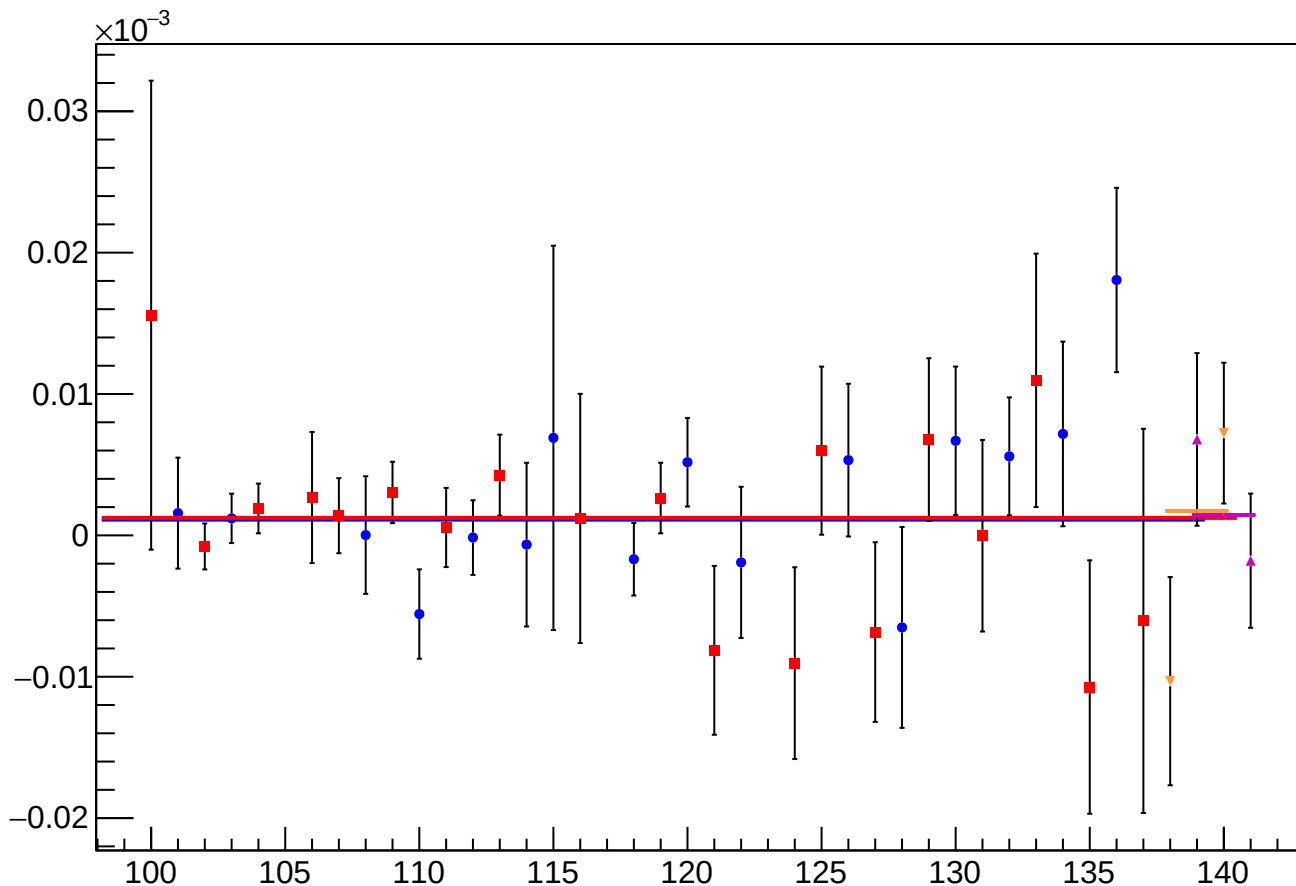
Left In: 77.610+/-0.043 χ^2/NDF : 7555.7/1

+ sign 43.624+/-0.012 χ^2/NDF : 4073710.0/17

All: 45.108+/-0.009 χ^2/NDF : 6733143.6/38

- sign 46.547+/-0.012 χ^2/NDF : 2630951.1/20

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

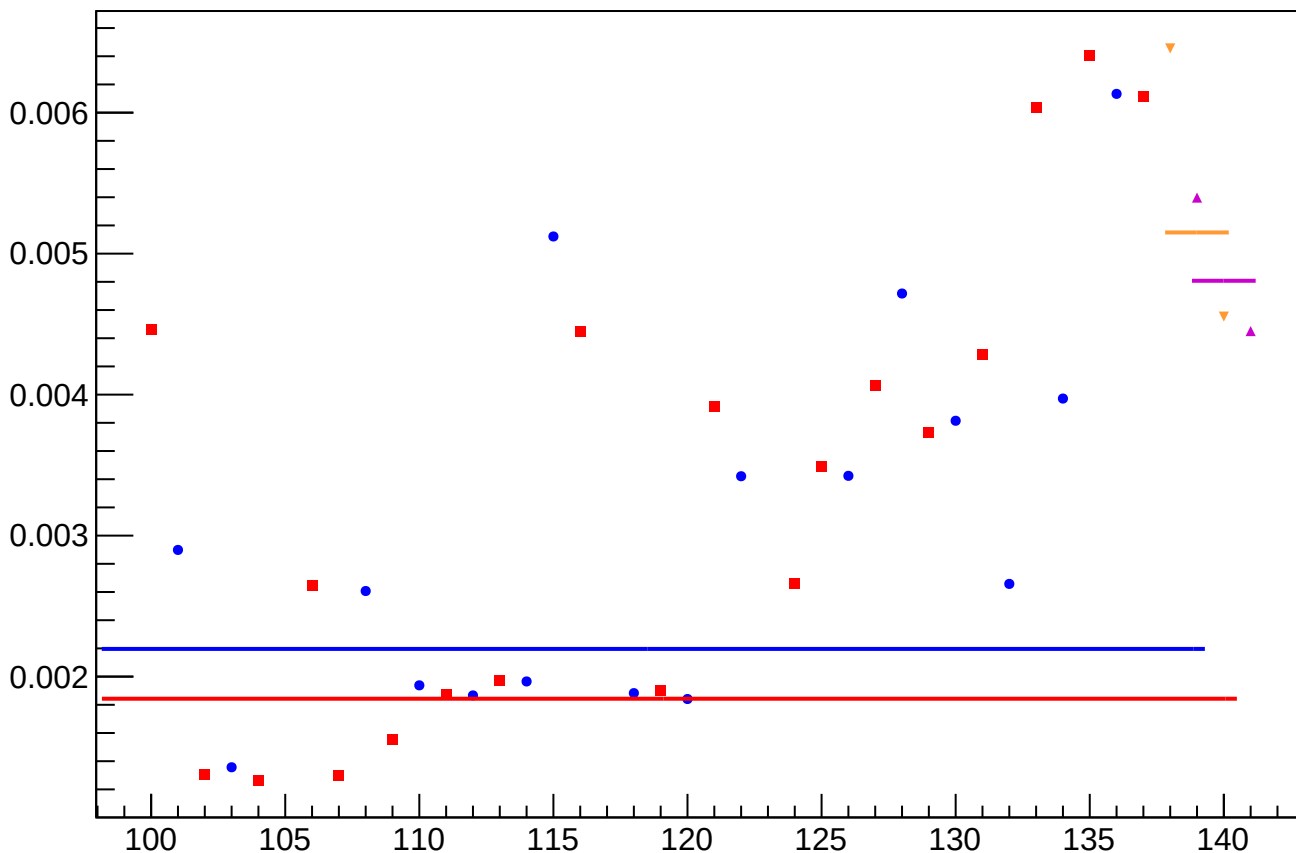
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/20

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

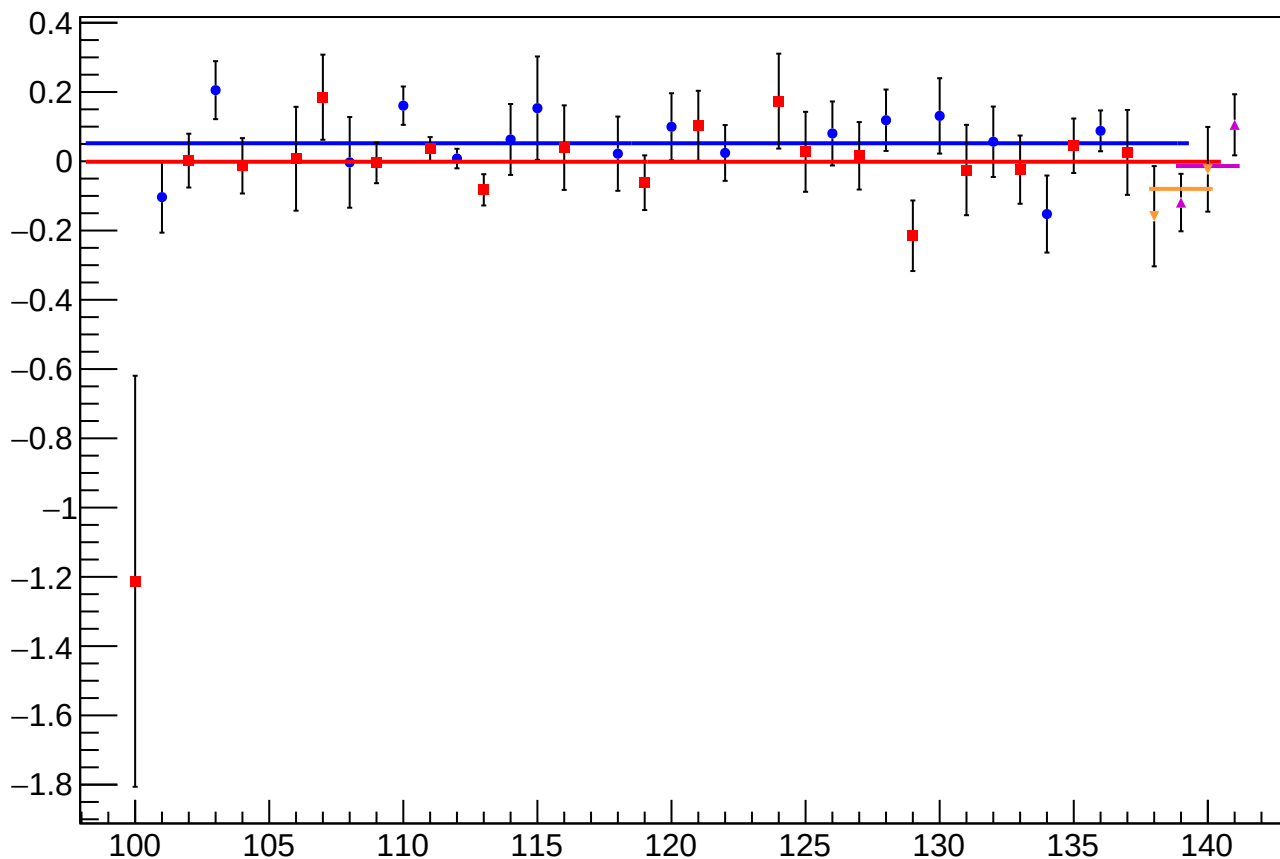
Left In: 0.005+/-0.000 χ^2/NDF : 29983.6/1

+ sign 0.002+/-0.000 χ^2/NDF : 3362460.5/17

All: 0.002+/-0.000 χ^2/NDF : 7936156.7/38

- sign 0.002+/-0.000 χ^2/NDF : 4368734.4/20

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 χ^2/NDF : 18.0/15

Left Out: -0.080 ± 0.093 χ^2/NDF : 0.5/1

Right Out: -0.001 ± 0.018 χ^2/NDF : 19.2/18

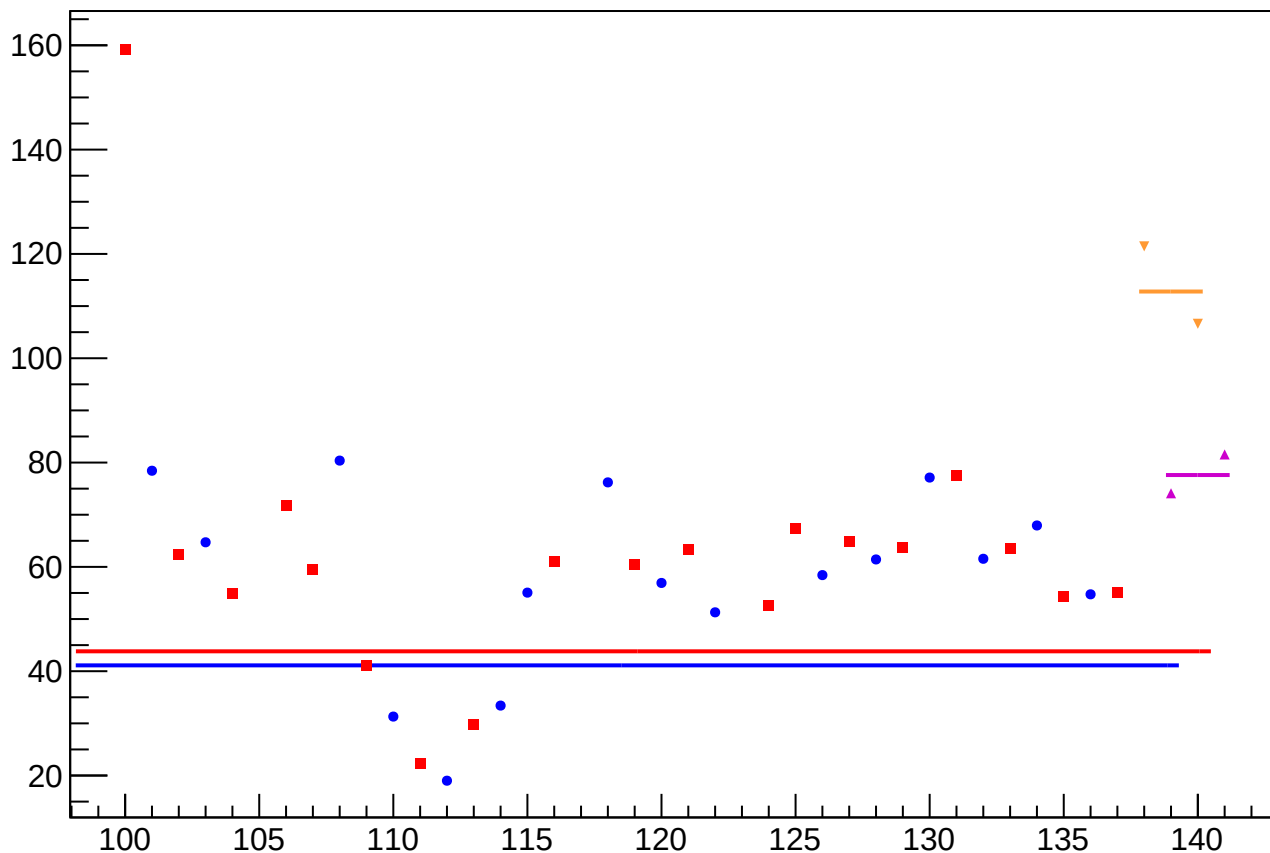
Left In: -0.014 ± 0.060 χ^2/NDF : 3.4/1

+ sign 0.047 ± 0.017 χ^2/NDF : 20.4/17

All: 0.022 ± 0.012 χ^2/NDF : 47.3/38

- sign -0.002 ± 0.017 χ^2/NDF : 22.7/20

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119 $\pm$ 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

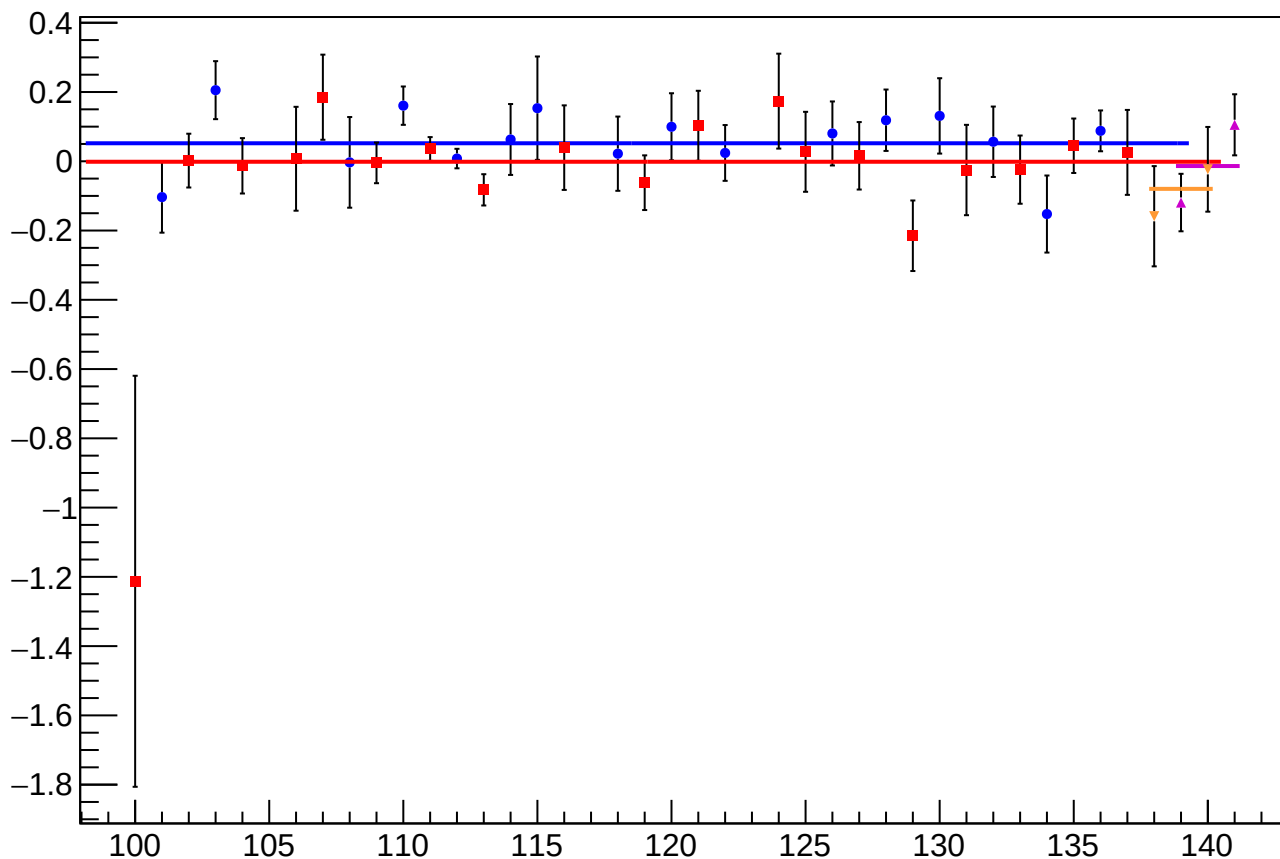
Left In: 77.610 $\pm$ 0.043 χ^2/NDF : 7558.9/1

+ sign 43.623 $\pm$ 0.012 χ^2/NDF : 4073898.9/17

All: 45.107 $\pm$ 0.009 χ^2/NDF : 6733540.0/38

- sign 46.546 $\pm$ 0.012 χ^2/NDF : 2631156.7/20

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

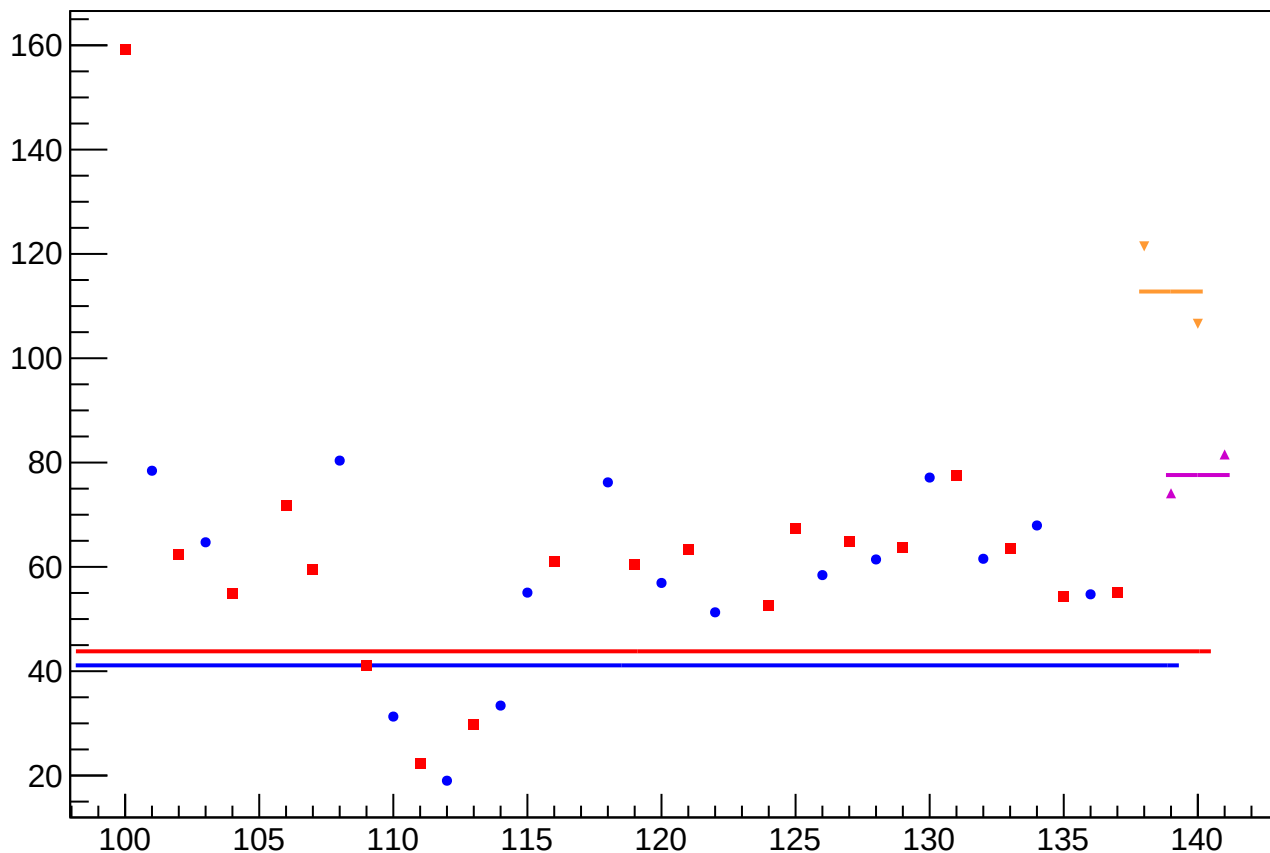
Left In: -0.014 ± 0.060 χ^2/NDF : 3.4/1

+ sign 0.047 ± 0.017 χ^2/NDF : 20.4/17

All: 0.022 ± 0.012 χ^2/NDF : 47.3/38

- sign -0.002 ± 0.017 χ^2/NDF : 22.7/20

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

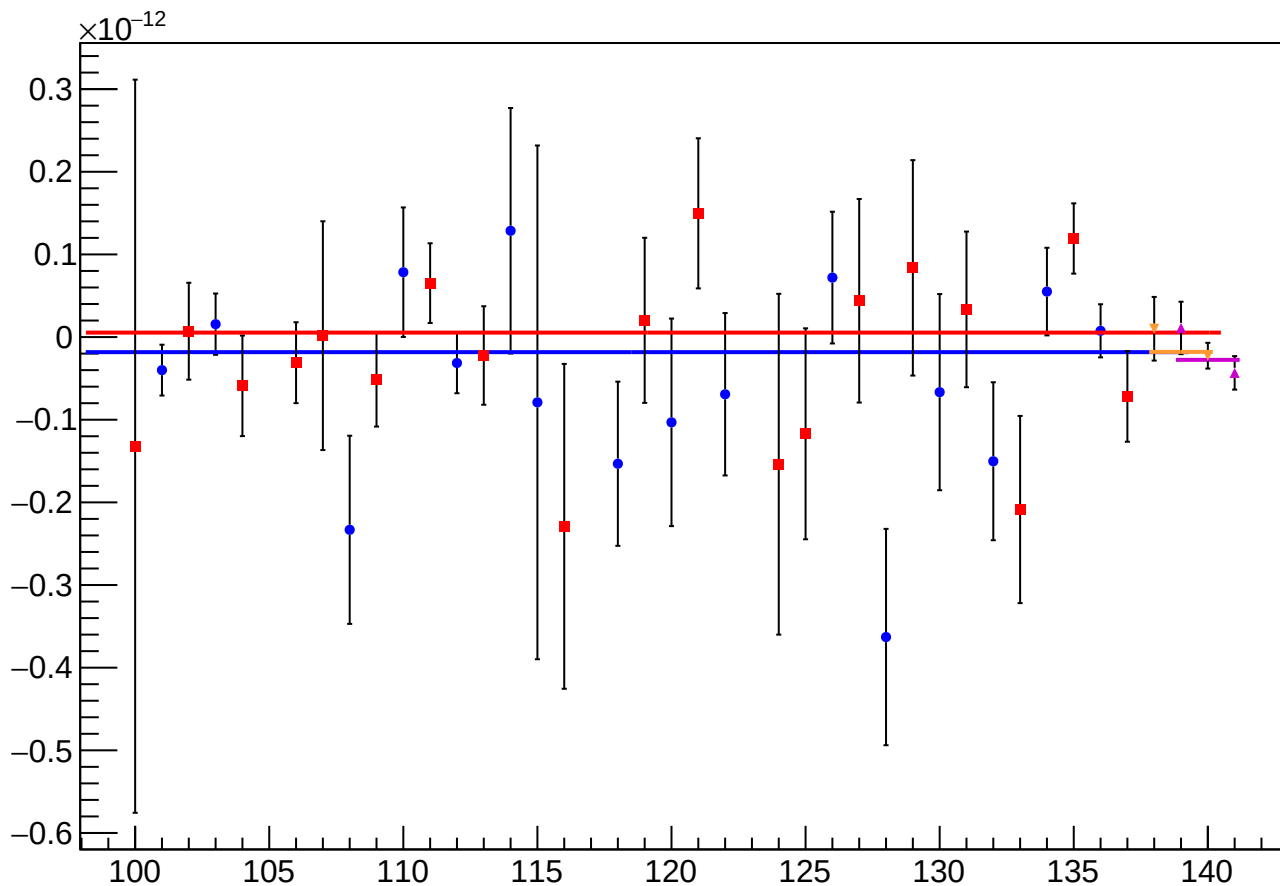
Left In: 77.610 $\pm$ 0.043 χ^2/NDF : 7558.9/1

+ sign 43.623 $\pm$ 0.012 χ^2/NDF : 4073898.9/17

All: 45.107 $\pm$ 0.009 χ^2/NDF : 6733540.0/38

- sign 46.546 $\pm$ 0.012 χ^2/NDF : 2631156.7/20

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/18

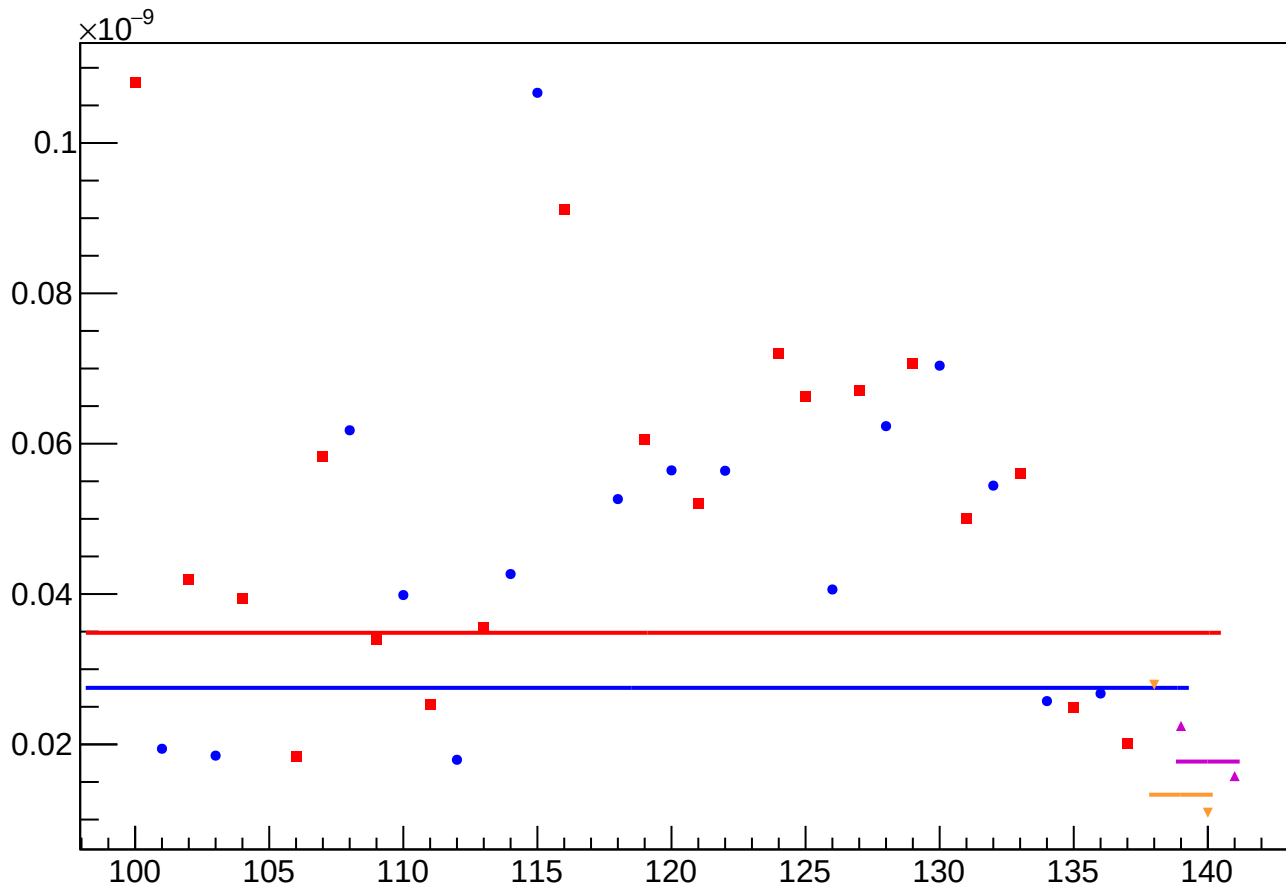
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 51.1/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/20

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

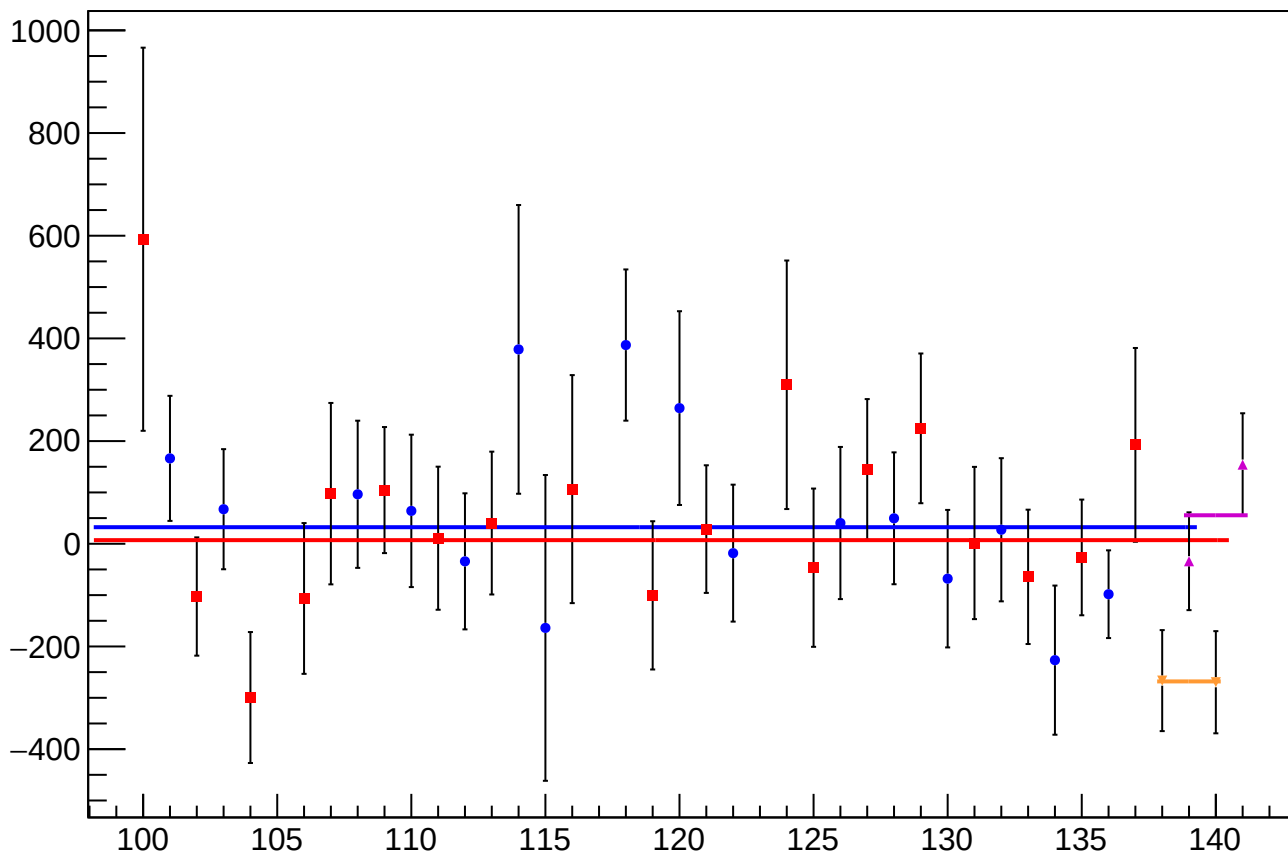
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 62883.6/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3104851.9/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6169402.1/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2768774.5/20

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297 $\pm$ 34.429 χ^2 /NDF: 17.3/15

Left Out: -268.069 $\pm$ 69.956 χ^2 /NDF: 0.0/1

Right Out: 7.070 $\pm$ 33.420 χ^2 /NDF: 17.8/18

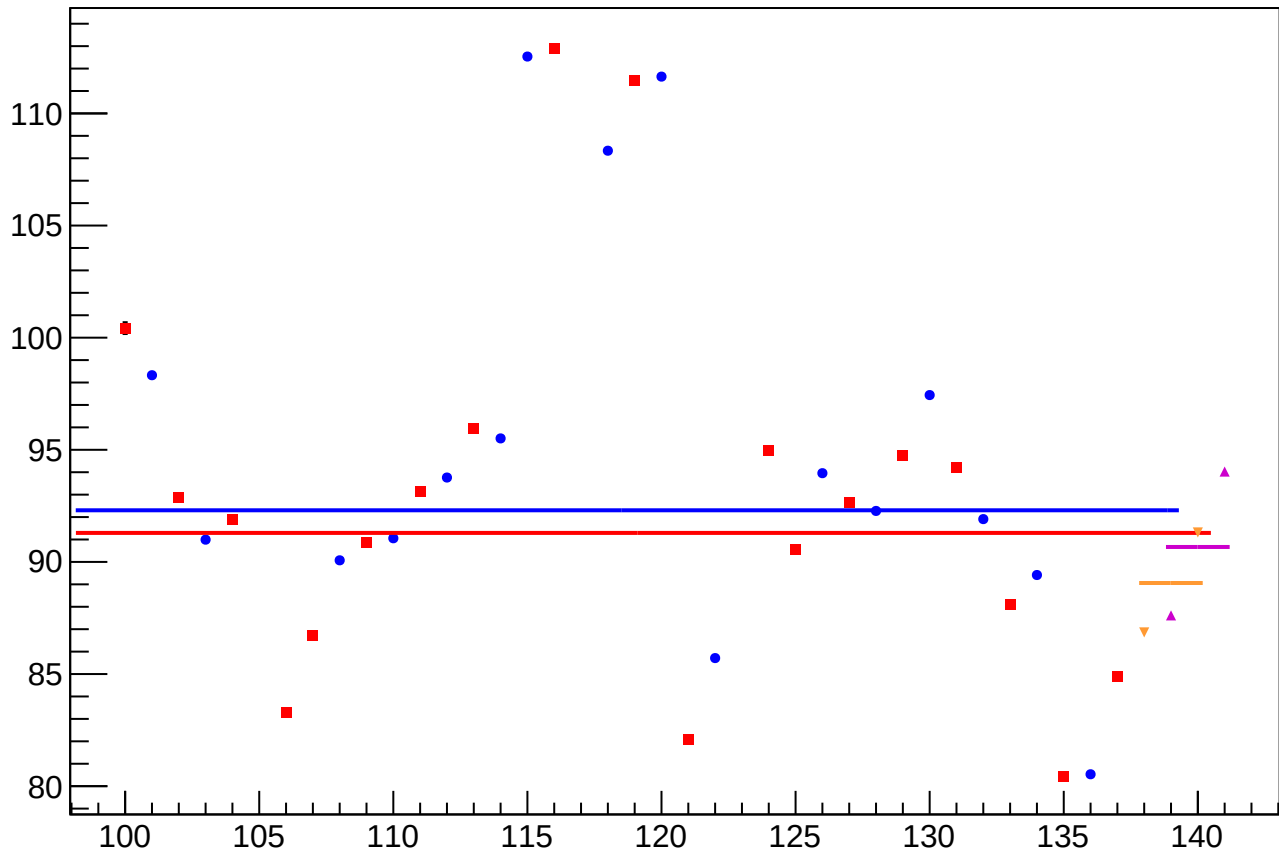
Left In: 55.523 $\pm$ 68.969 χ^2 /NDF: 1.9/1

+ sign -26.269 $\pm$ 30.890 χ^2 /NDF: 32.1/17

All: -4.423 $\pm$ 21.549 χ^2 /NDF: 53.1/38

- sign 16.284 $\pm$ 30.075 χ^2 /NDF: 20.0/20

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302 ± 0.024 χ^2/NDF : 107066.1/15

Left Out: 89.060 ± 0.049 χ^2/NDF : 2030.2/1

Right Out: 91.294 ± 0.024 χ^2/NDF : 105096.6/18

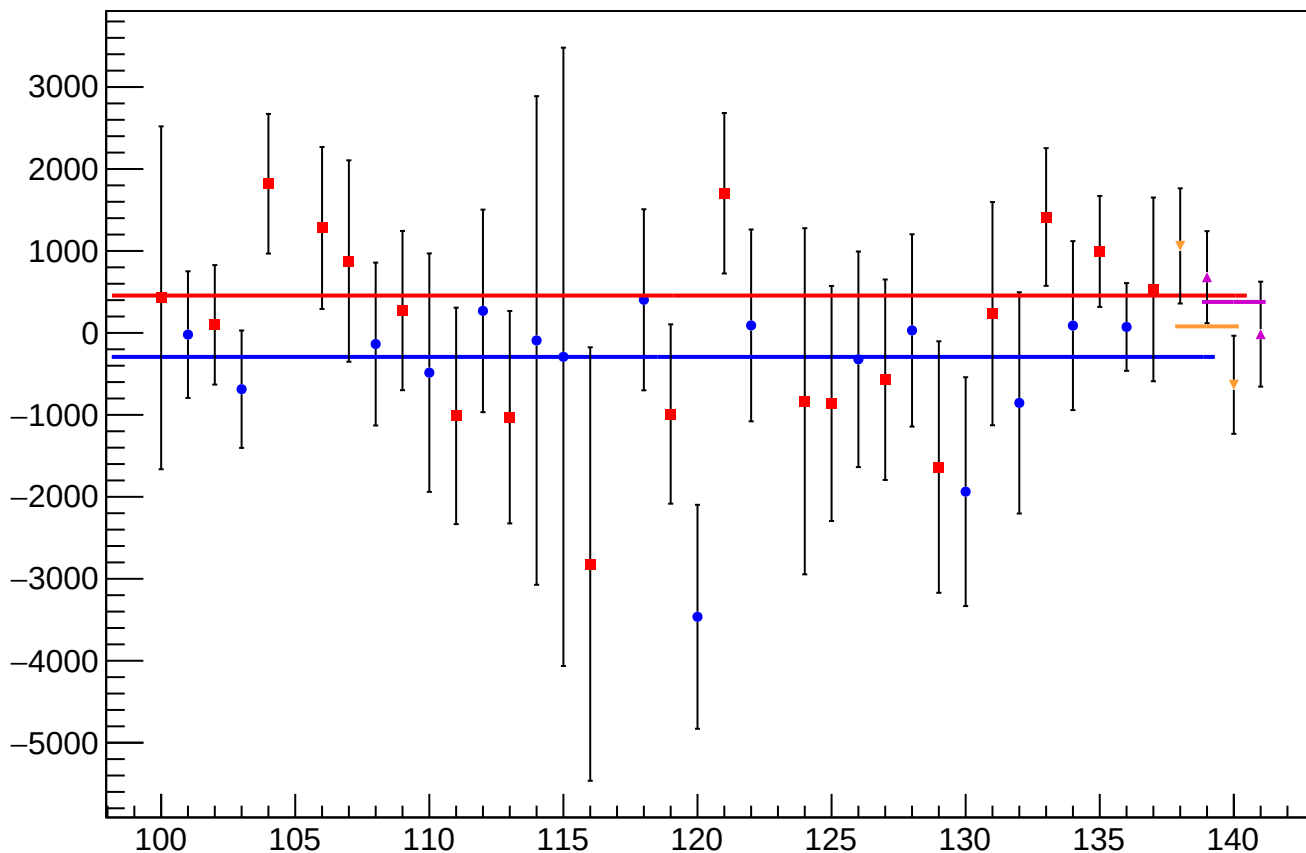
Left In: 90.667 ± 0.049 χ^2/NDF : 4313.4/1

+ sign 91.670 ± 0.022 χ^2/NDF : 112554.6/17

All: 91.416 ± 0.015 χ^2/NDF : 222362.9/38

- sign 91.174 ± 0.021 χ^2/NDF : 109543.9/20

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756 ± 259.692 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 79.653 ± 455.582 $\chi^2/\text{NDF}: 3.4/1$

Right Out: 455.830 ± 248.717 $\chi^2/\text{NDF}: 16.9/18$

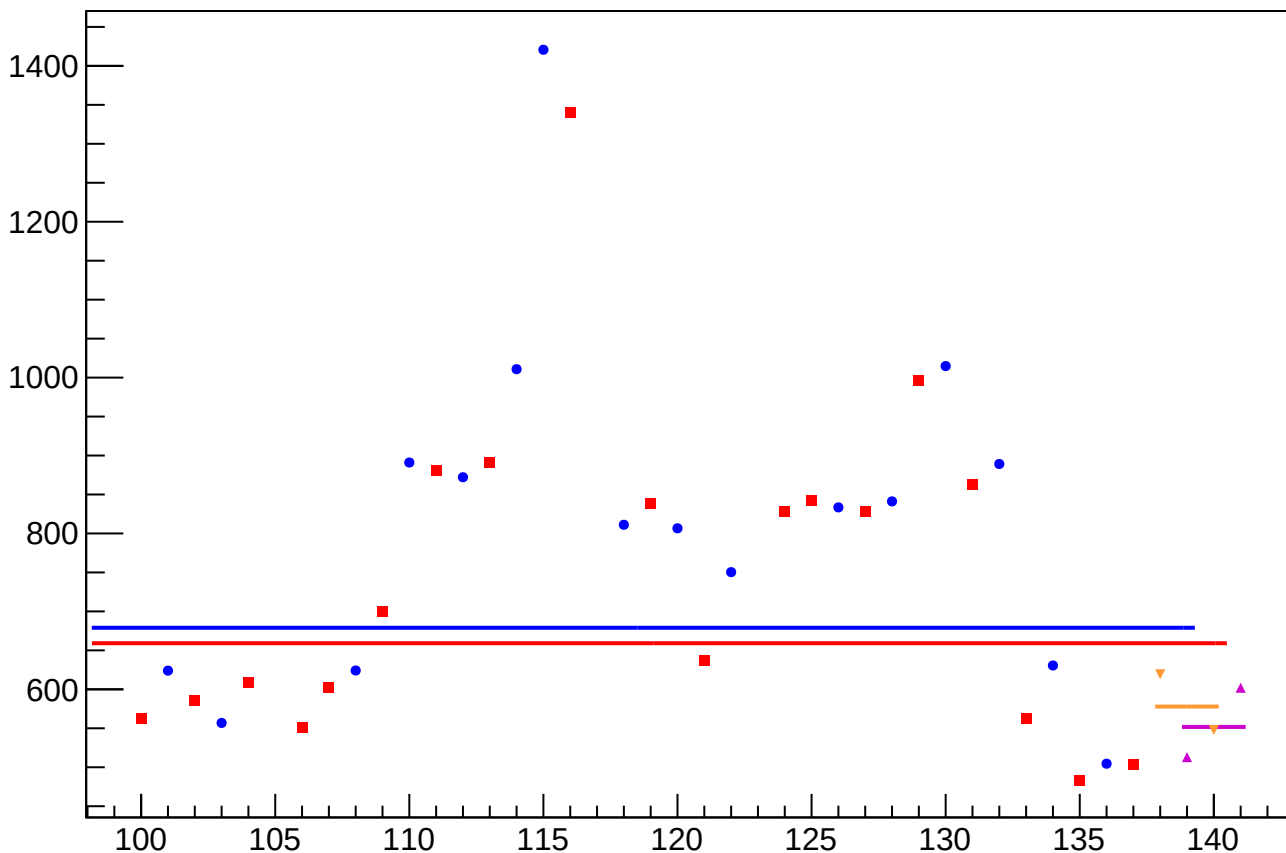
Left In: 377.944 ± 422.177 $\chi^2/\text{NDF}: 0.7/1$

+ sign -201.426 ± 225.613 $\chi^2/\text{NDF}: 12.7/17$

All: 133.553 ± 155.376 $\chi^2/\text{NDF}: 34.4/38$

- sign 435.763 ± 214.294 $\chi^2/\text{NDF}: 17.5/20$

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

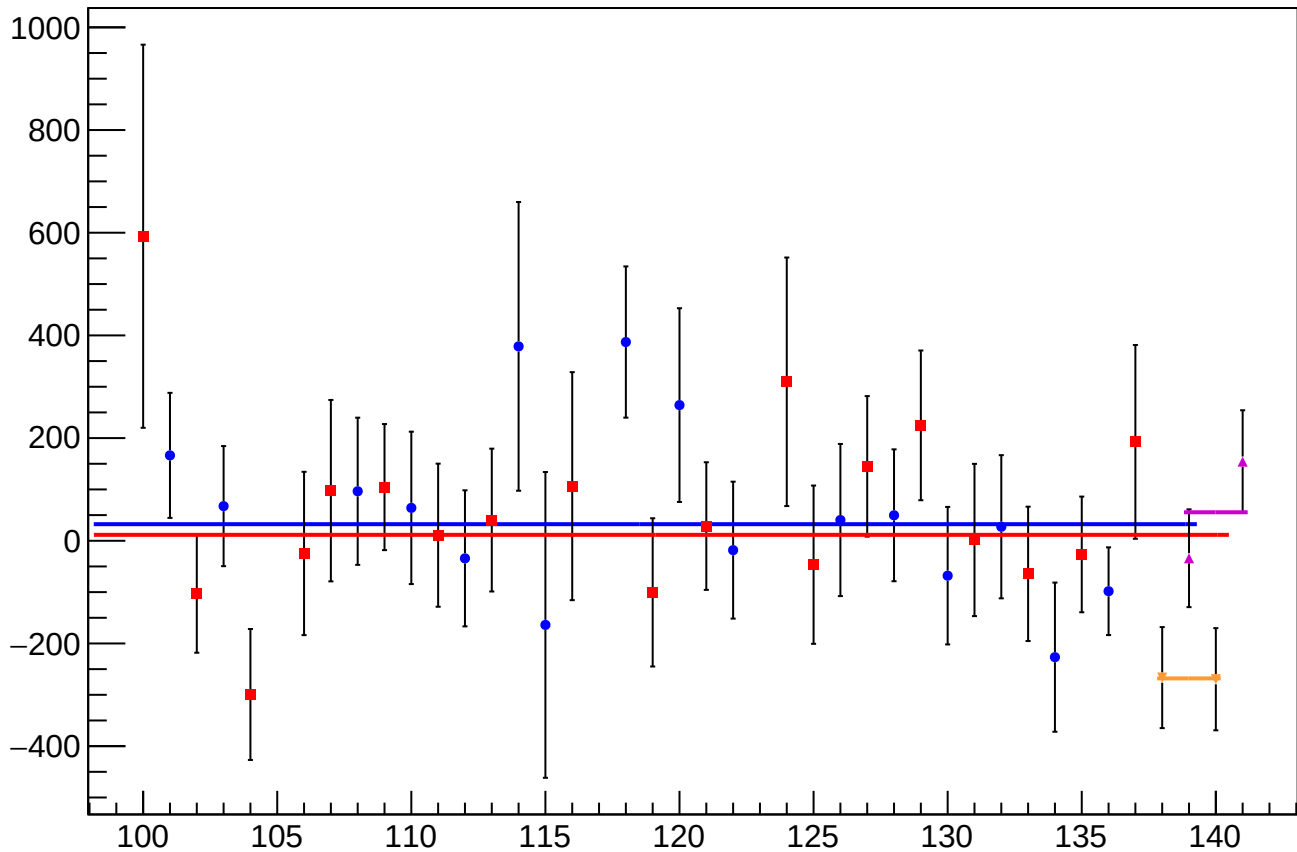
Left In: 551.739 $\pm$ 0.299 χ^2 /NDF:21856.8/1

+ sign 654.201 $\pm$ 0.160 χ^2 /NDF: 854406.0/17

All: 642.247 $\pm$ 0.110 χ^2 /NDF: 1778896.3/38

- sign 631.463 $\pm$ 0.152 χ^2 /NDF: 913810.5/20

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

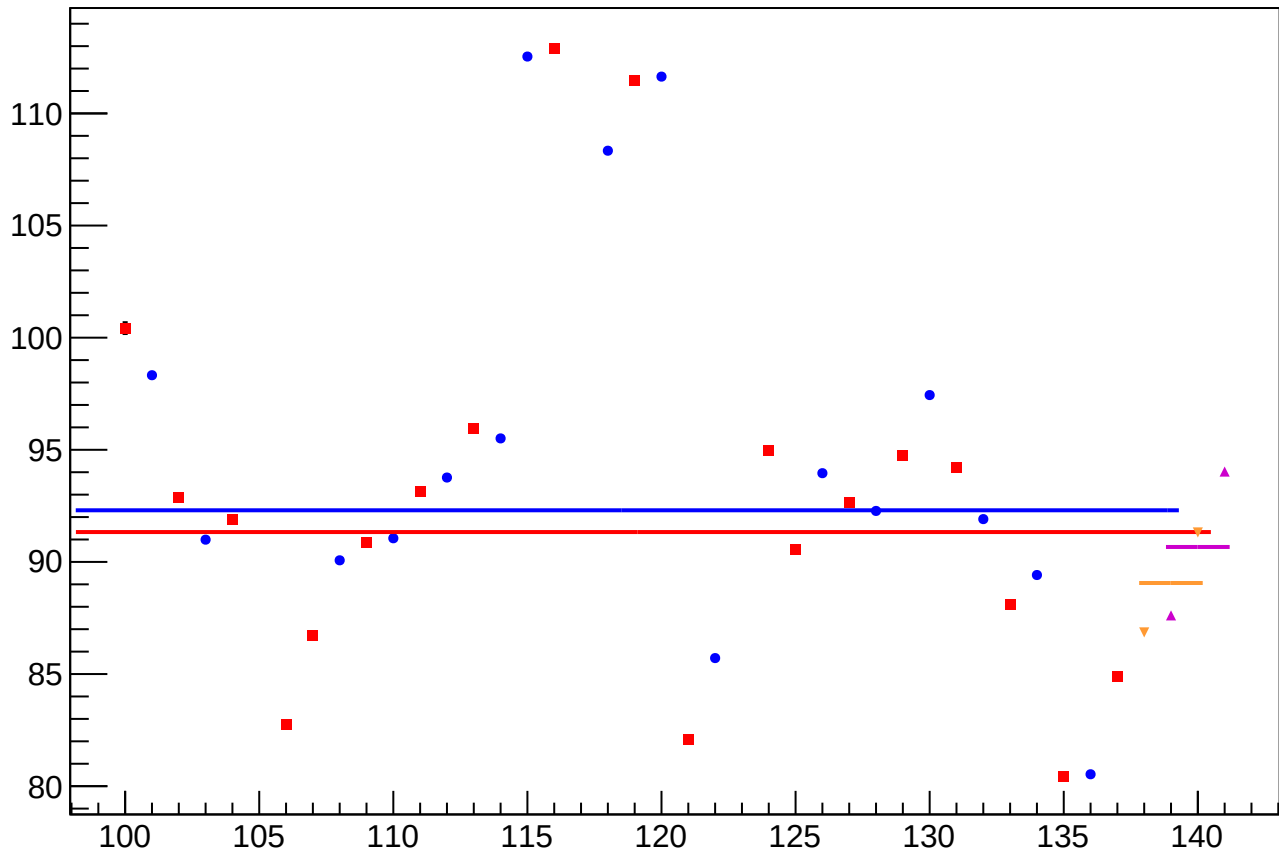
Left In: 55.526 $\pm$ 68.969 χ^2 /NDF: 1.9/1

+ sign -26.255 $\pm$ 30.890 χ^2 /NDF: 32.1/17

All: -2.589 $\pm$ 21.583 χ^2 /NDF: 52.7/38

- sign 19.985 $\pm$ 30.169 χ^2 /NDF: 19.4/20

cor_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: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

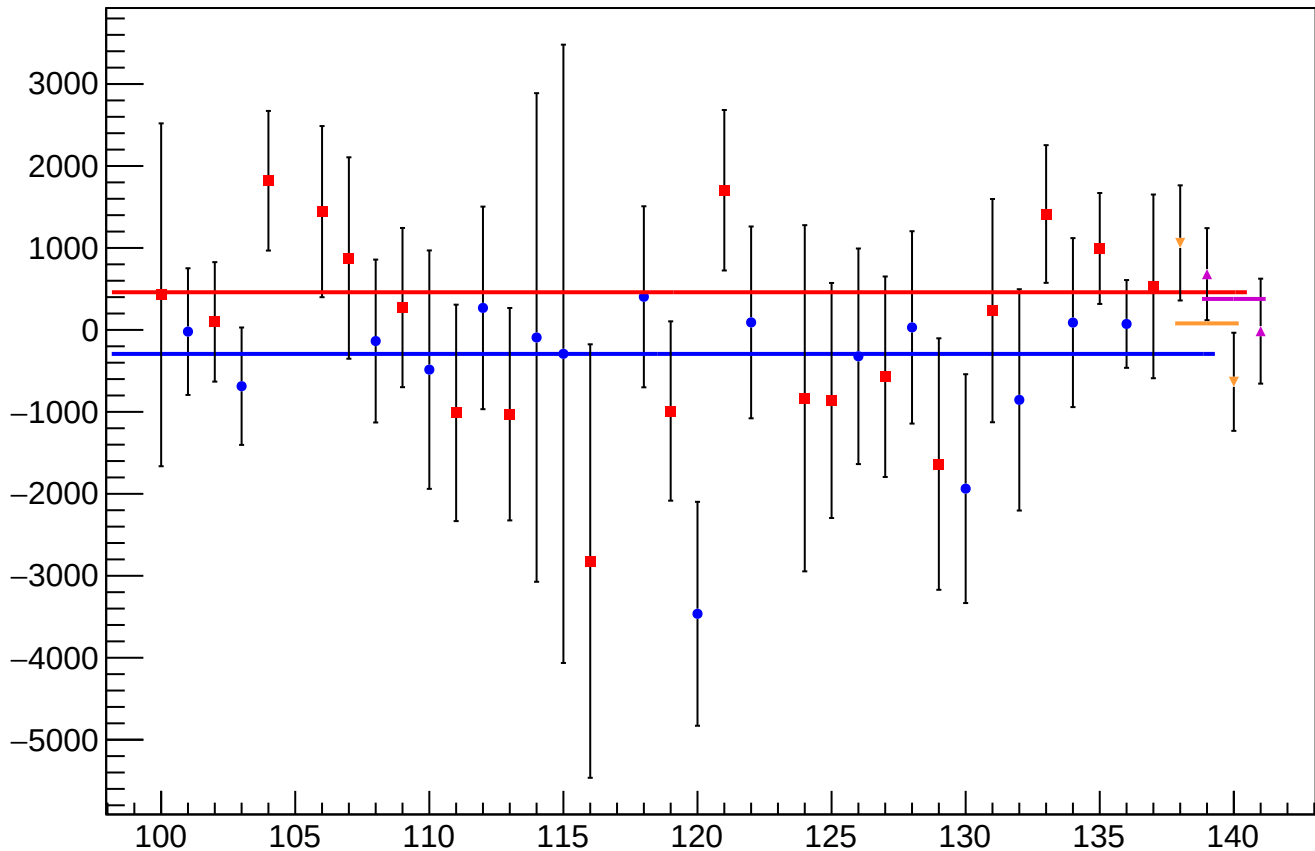
Left In: 90.667 $\pm$ 0.049 χ^2 /NDF: 4313.4/1

+ sign 91.670 $\pm$ 0.022 χ^2 /NDF: 112554.6/17

All: 91.432 $\pm$ 0.015 χ^2 /NDF: 222169.3/38

- sign 91.205 $\pm$ 0.021 χ^2 /NDF: 109382.2/20

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 $\chi^2/\text{NDF}: 17.1/18$

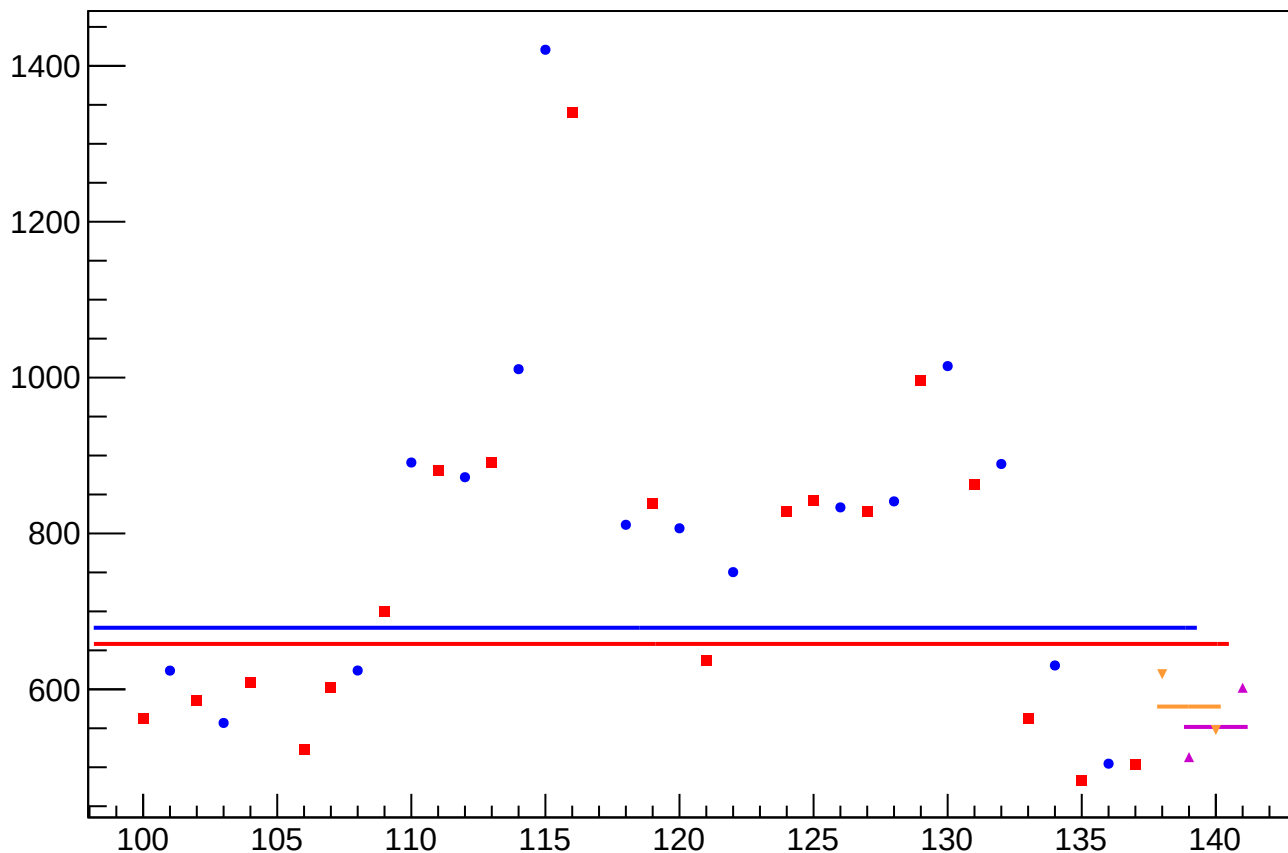
Left In: 377.941 ± 422.177 $\chi^2/\text{NDF}: 0.7/1$

+ sign -201.424 ± 225.612 $\chi^2/\text{NDF}: 12.7/17$

All: 134.183 ± 155.577 $\chi^2/\text{NDF}: 34.7/38$

- sign 438.453 ± 214.821 $\chi^2/\text{NDF}: 17.7/20$

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF : 767985.6/15

Left Out: 577.871+/-0.322 χ^2/NDF : 12037.7/1

Right Out: 658.262+/-0.176 χ^2/NDF : 805898.2/18

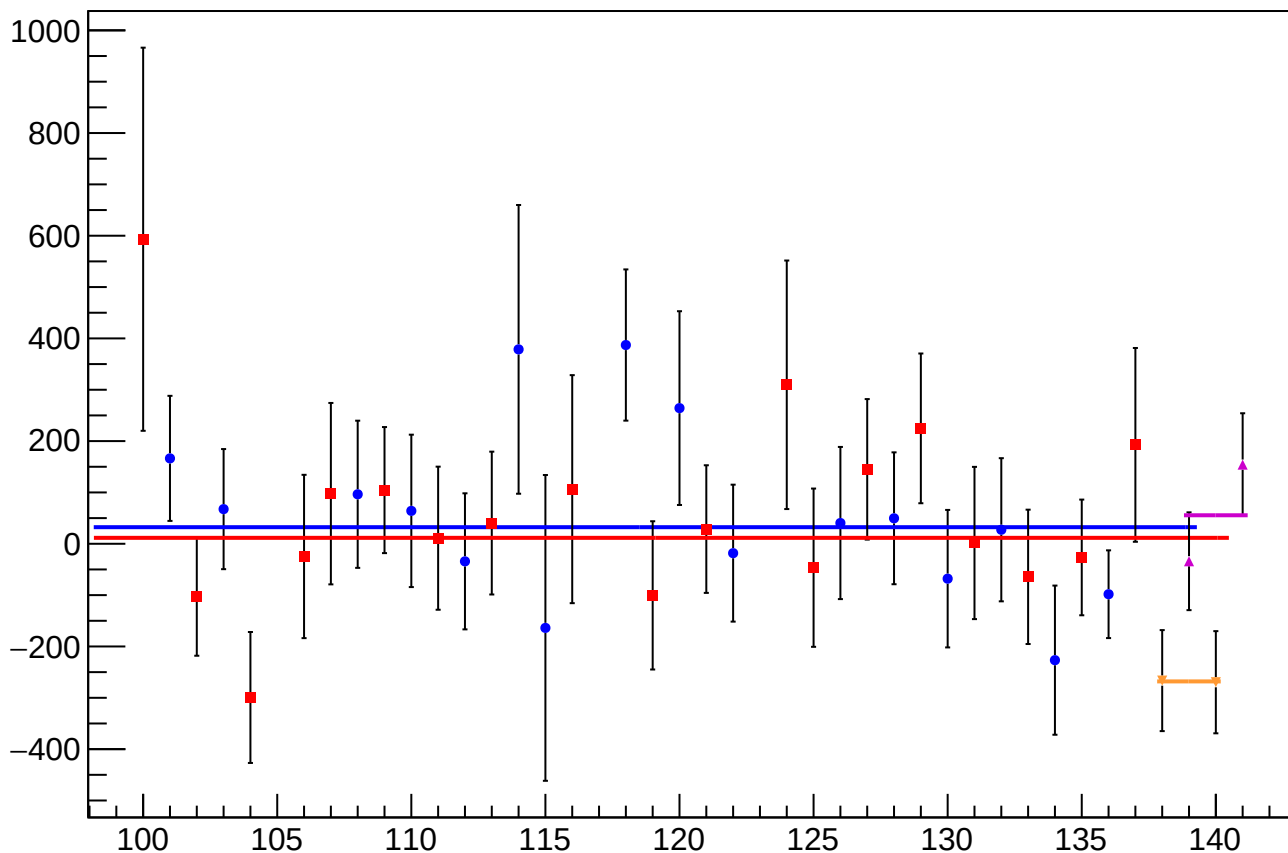
Left In: 551.739+/-0.299 χ^2/NDF : 21856.7/1

+ sign 654.201+/-0.160 χ^2/NDF : 854408.0/17

All: 641.865+/-0.110 χ^2/NDF : 1787924.7/38

- sign 630.681+/-0.152 χ^2/NDF : 922116.3/20

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

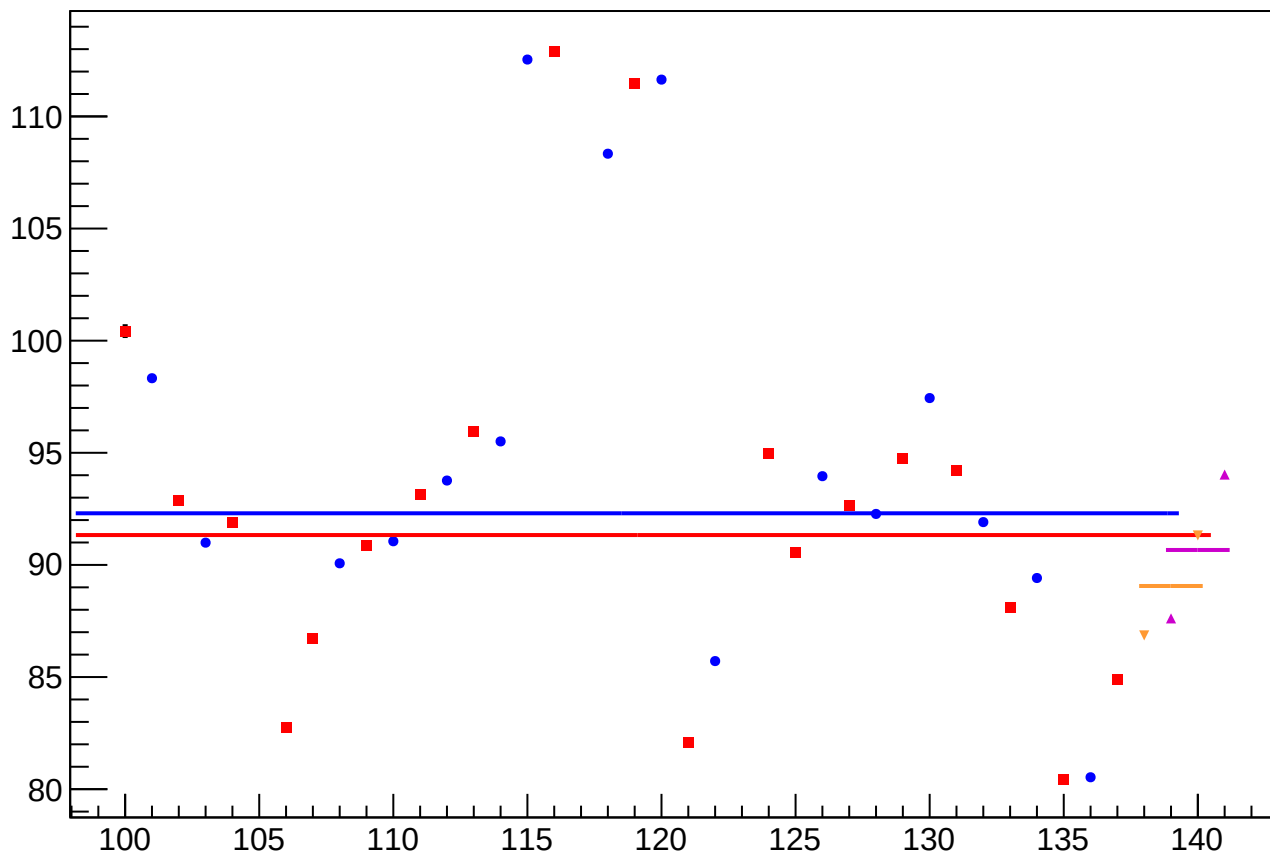
Left In: 55.526 $\pm$ 68.969 χ^2 /NDF: 1.9/1

+ sign -26.255 $\pm$ 30.890 χ^2 /NDF: 32.1/17

All: -2.589 $\pm$ 21.583 χ^2 /NDF: 52.7/38

- sign 19.985 $\pm$ 30.169 χ^2 /NDF: 19.4/20

eigen_cor_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: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

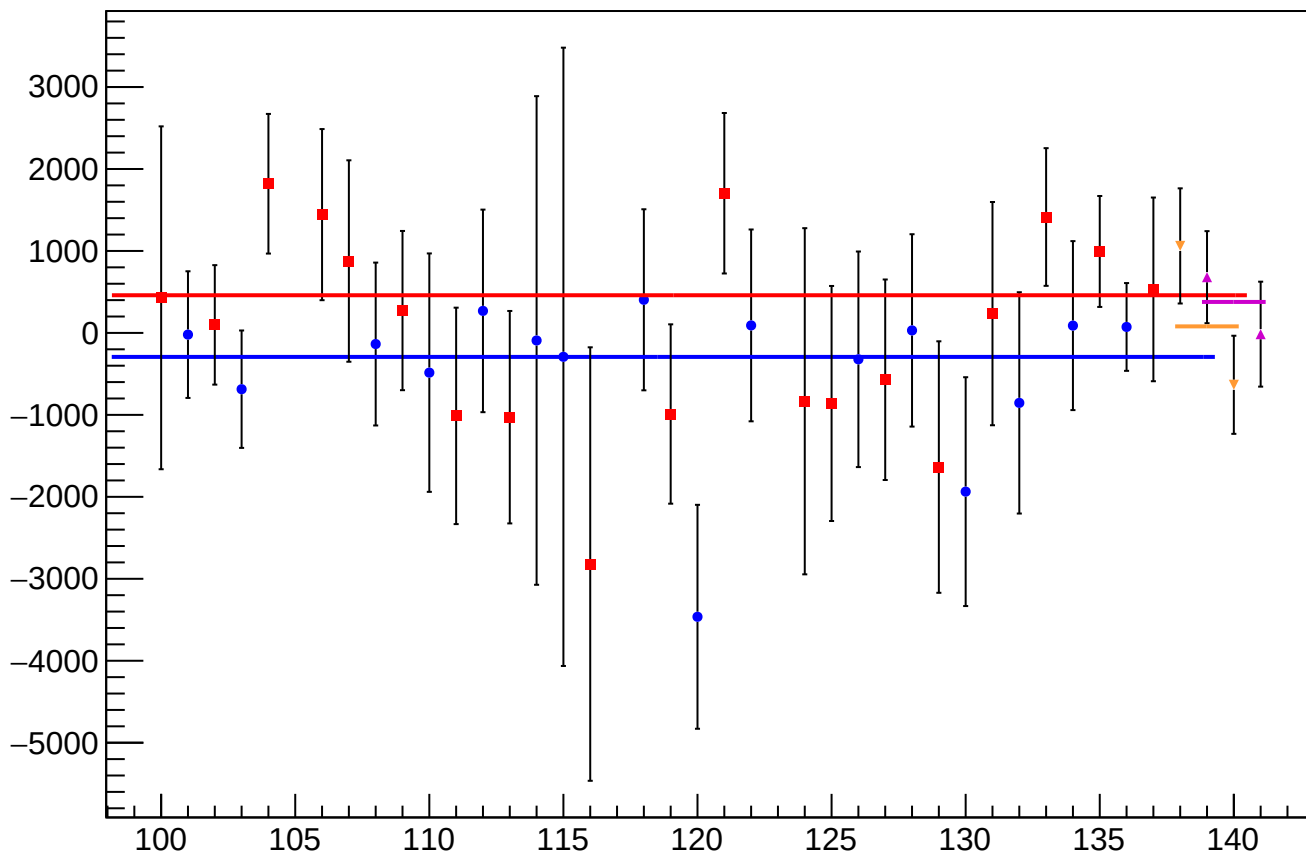
Left In: 90.667 $\pm$ 0.049 χ^2 /NDF: 4313.4/1

+ sign 91.670 $\pm$ 0.022 χ^2 /NDF: 112554.6/17

All: 91.432 $\pm$ 0.015 χ^2 /NDF: 222169.3/38

- sign 91.205 $\pm$ 0.021 χ^2 /NDF: 109382.2/20

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

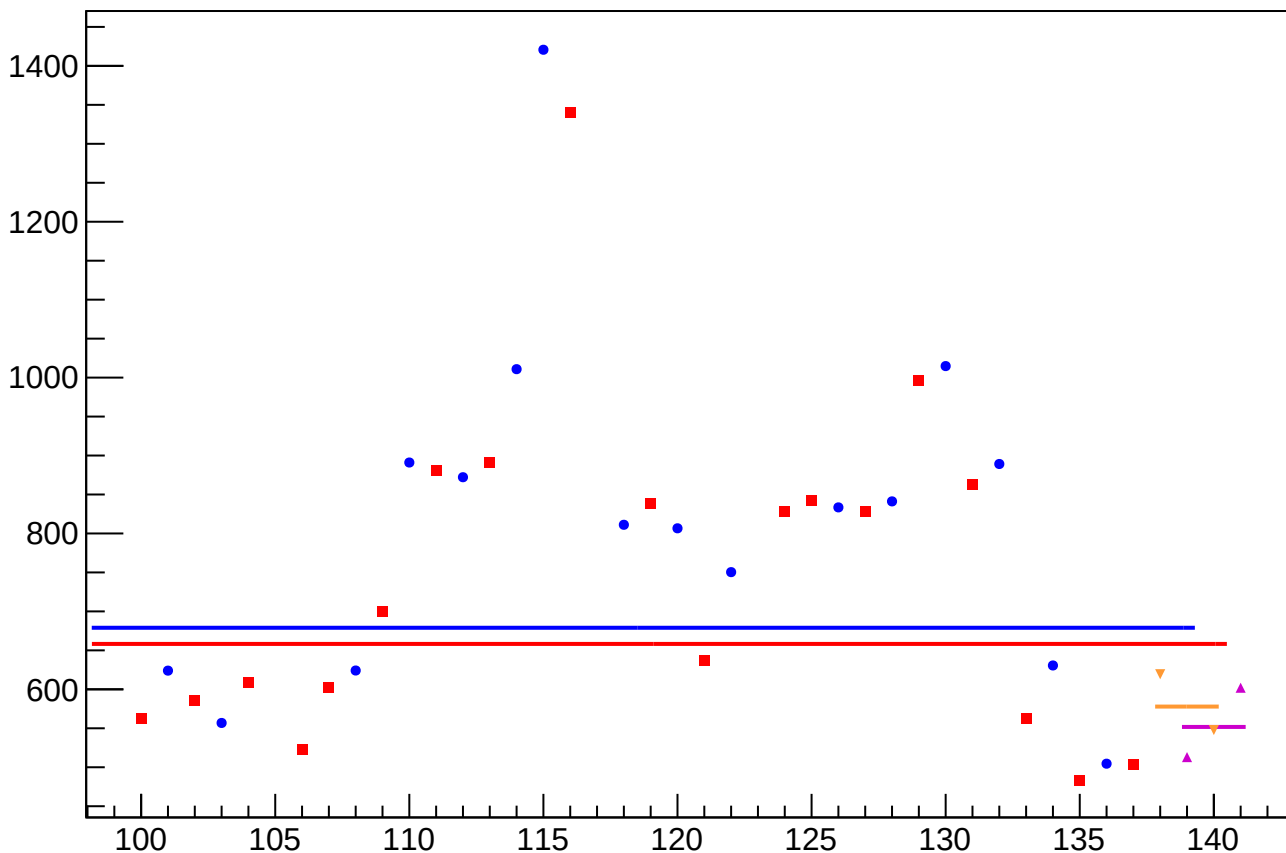
Left In: 377.941 ± 422.177 χ^2/NDF : 0.7/1

+ sign -201.424 ± 225.612 χ^2/NDF : 12.7/17

All: 134.183 ± 155.577 χ^2/NDF : 34.7/38

- sign 438.453 ± 214.821 χ^2/NDF : 17.7/20

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003 $\pm$ 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

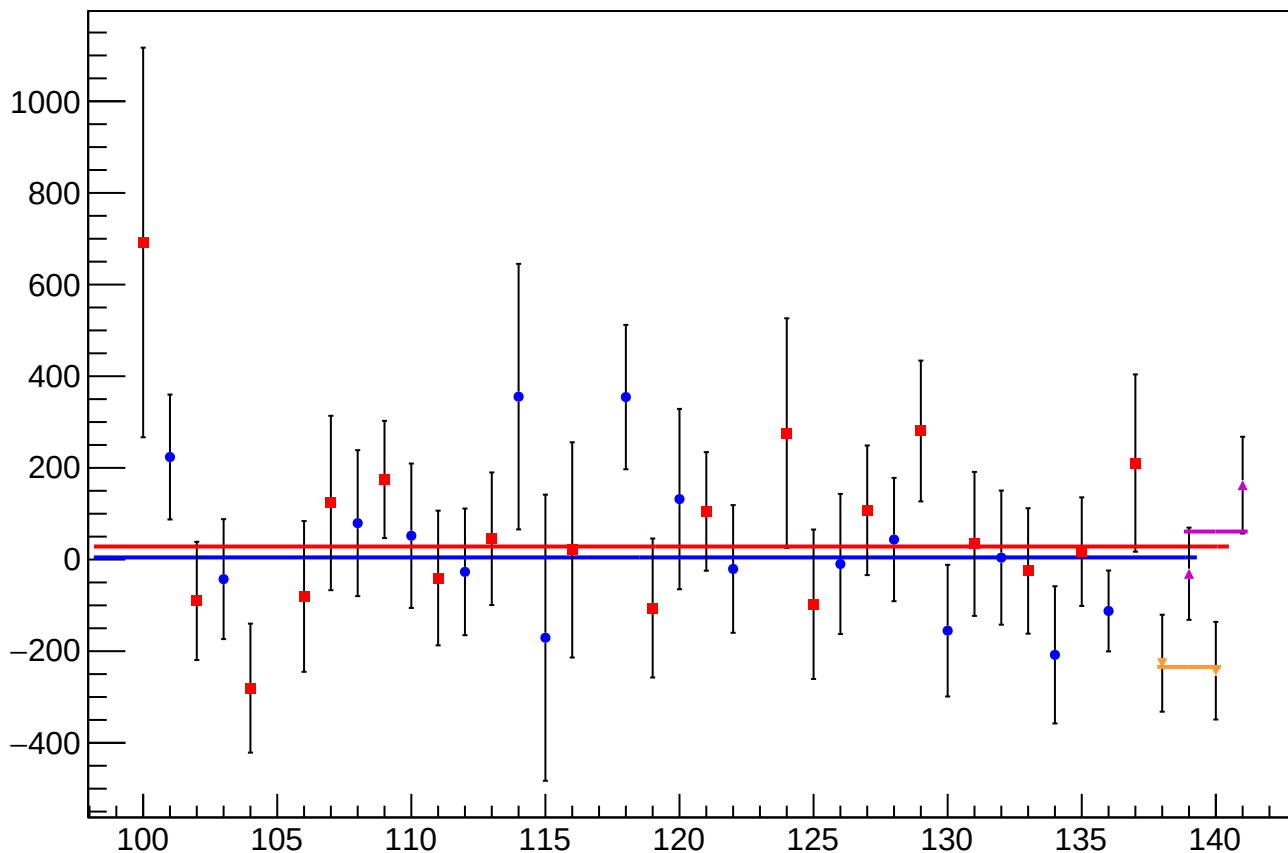
Left In: 551.739 $\pm$ 0.299 χ^2 /NDF:21856.7/1

+ sign 654.201 $\pm$ 0.160 χ^2 /NDF: 854408.0/17

All: 641.865 $\pm$ 0.110 χ^2 /NDF: 1787924.7/38

- sign 630.681 $\pm$ 0.152 χ^2 /NDF: 922116.3/20

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

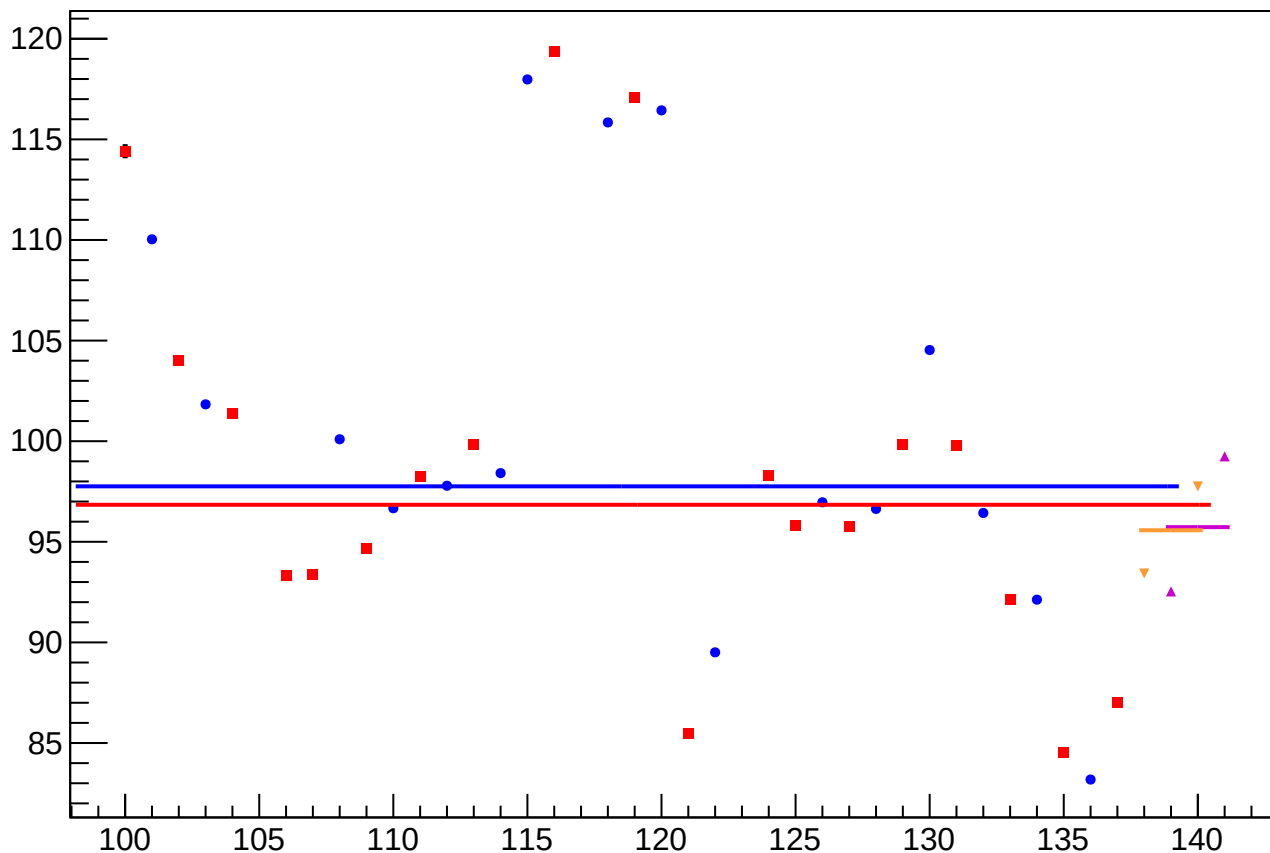
Left In: 61.067 $\pm$ 72.818 χ^2 /NDF: 1.8/1

+ sign -41.097 $\pm$ 32.832 χ^2 /NDF: 23.6/17

All: -2.105 $\pm$ 22.873 χ^2 /NDF: 45.3/38

- sign 34.669 $\pm$ 31.884 χ^2 /NDF: 19.0/20

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2 /NDF: 140654.4/15

Left Out: 95.574 $\pm$ 0.053 χ^2 /NDF:1662.5/1

Right Out: 96.840 $\pm$ 0.025 χ^2 /NDF: 115170.9/18

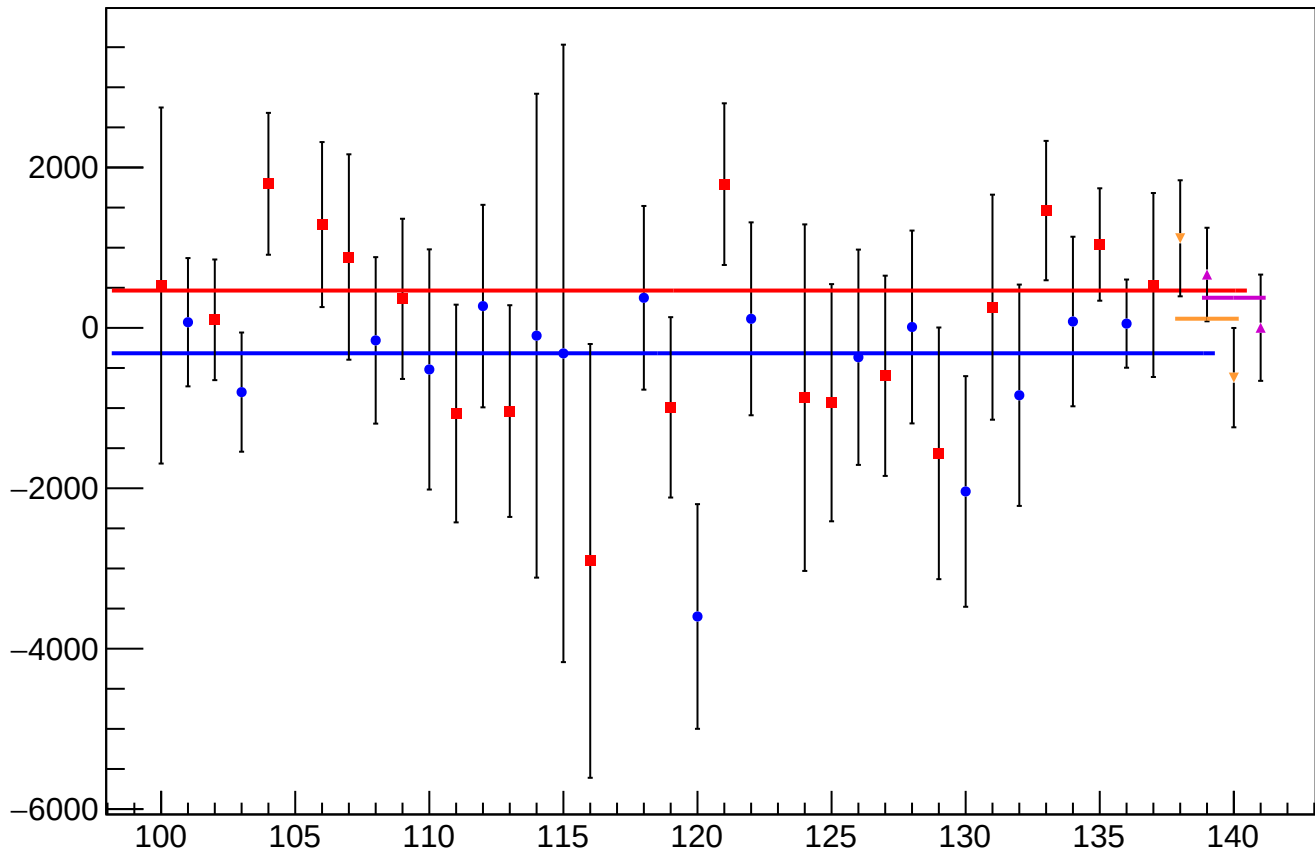
Left In: 95.729 $\pm$ 0.051 χ^2 /NDF:4236.5/1

+ sign 97.339 $\pm$ 0.023 χ^2 /NDF: 143683.9/17

All: 96.972 $\pm$ 0.016 χ^2 /NDF: 263950.9/38

- sign 96.627 $\pm$ 0.023 χ^2 /NDF: 119783.4/20

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

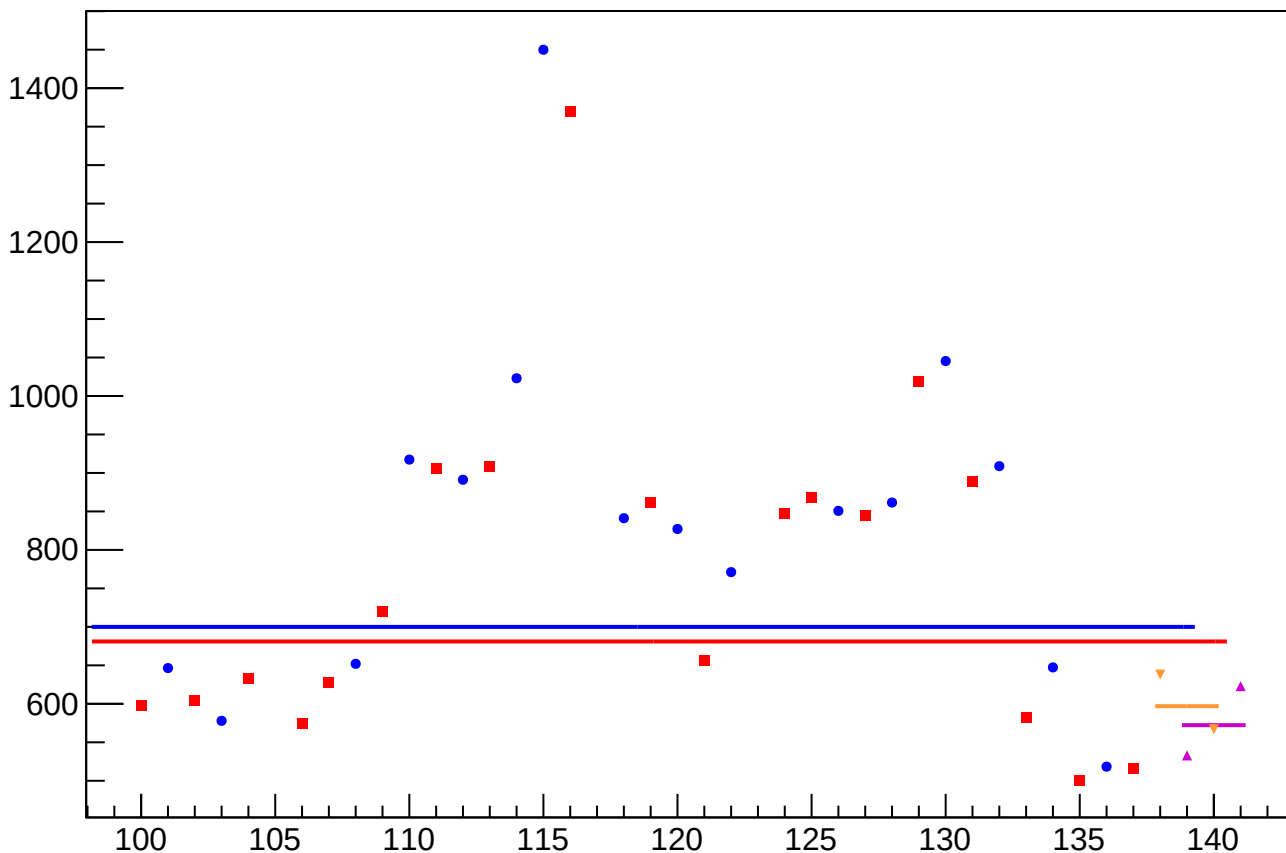
Left In: 375.742 ± 437.774 χ^2/NDF : 0.6/1

+ sign -211.321 ± 232.555 χ^2/NDF : 13.1/17

All: 131.693 ± 160.353 χ^2/NDF : 34.3/38

- sign 442.598 ± 221.403 χ^2/NDF : 17.1/20

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF : 753665.4/15

Left Out: 596.943+/-0.333 χ^2/NDF : 11106.4/1

Right Out: 681.016+/-0.181 χ^2/NDF : 769397.2/18

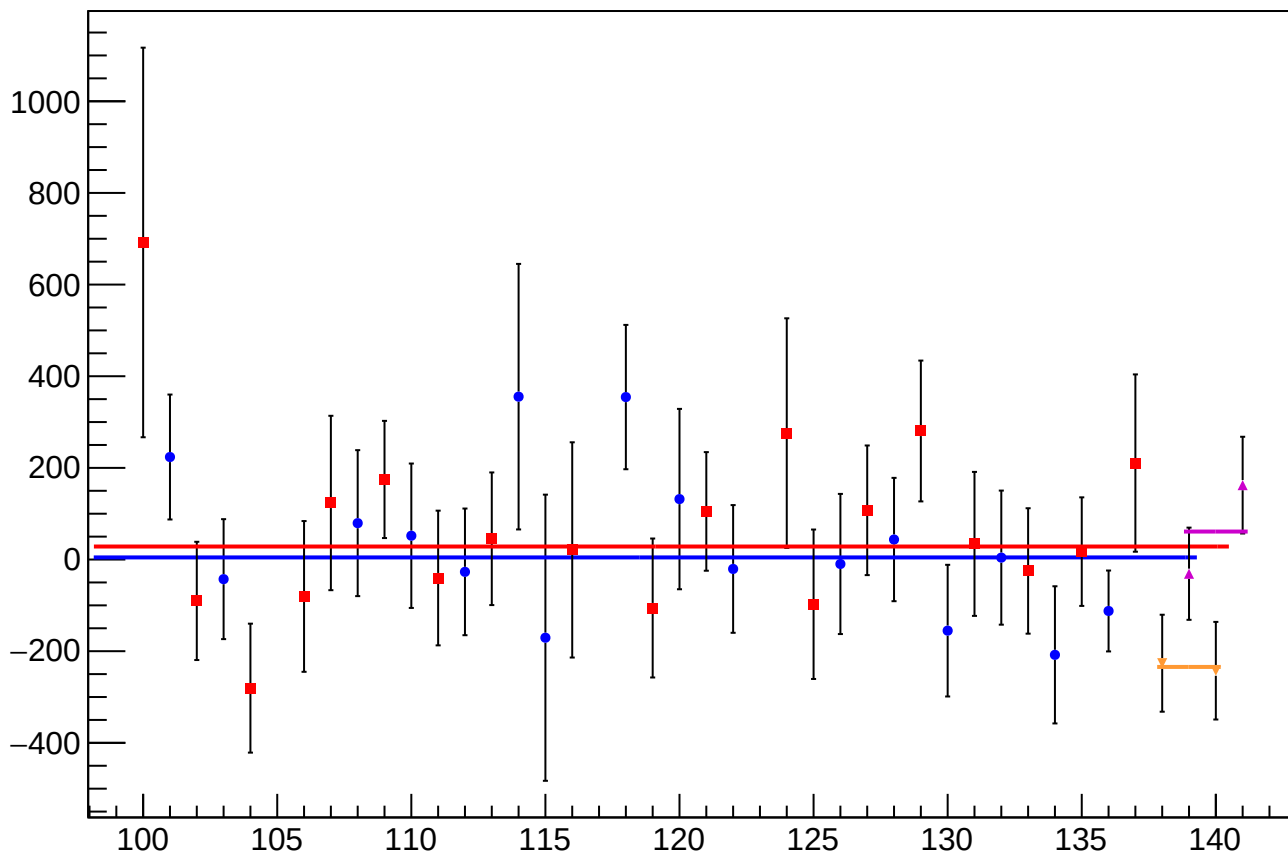
Left In: 572.296+/-0.310 χ^2/NDF : 20780.0/1

+ sign 674.804+/-0.164 χ^2/NDF : 837243.3/17

All: 663.475+/-0.113 χ^2/NDF : 1728269.9/38

- sign 653.208+/-0.157 χ^2/NDF : 881979.6/20

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

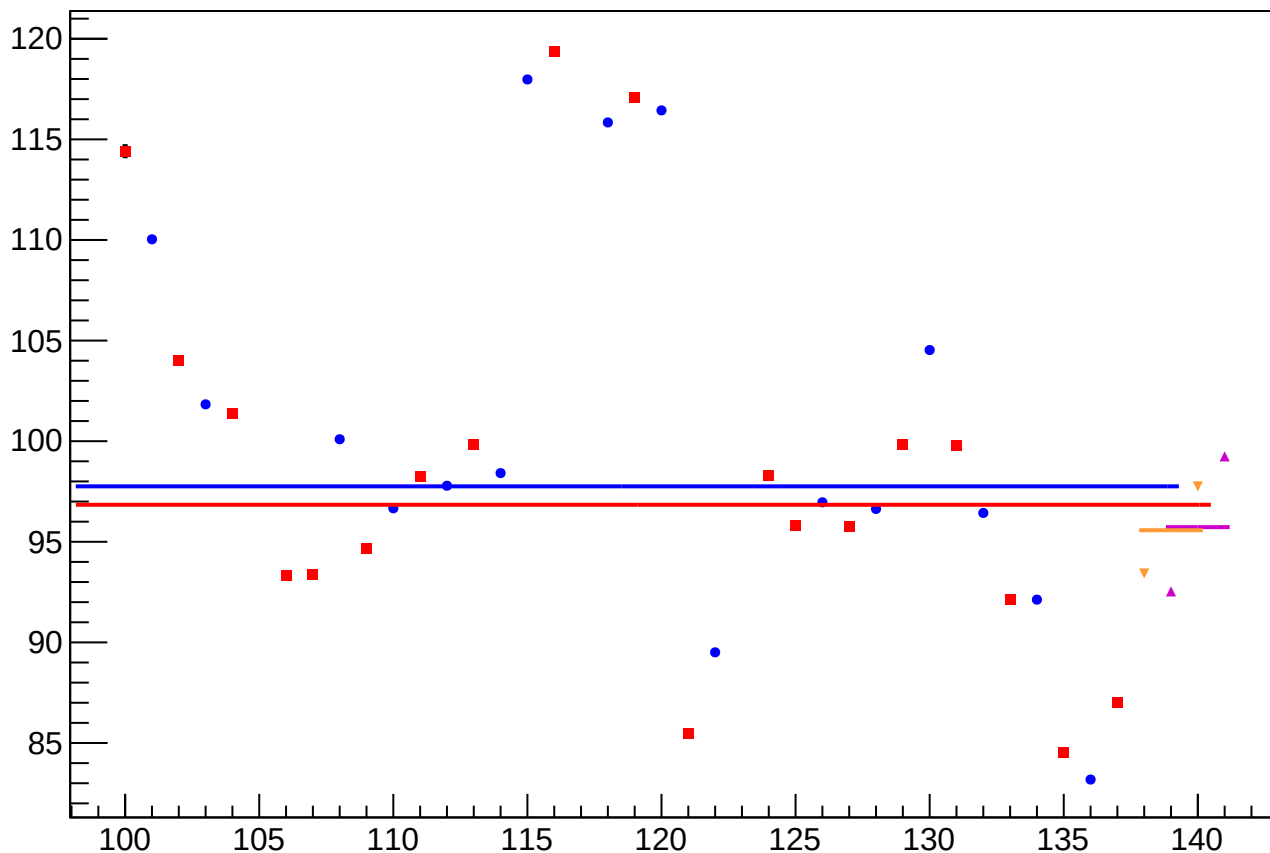
Left In: 61.067 $\pm$ 72.818 χ^2 /NDF: 1.8/1

+ sign -41.095 $\pm$ 32.832 χ^2 /NDF: 23.6/17

All: -2.104 $\pm$ 22.873 χ^2 /NDF: 45.3/38

- sign 34.669 $\pm$ 31.884 χ^2 /NDF: 19.0/20

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF : 140654.8/15

Left Out: 95.574+/-0.053 χ^2/NDF : 1662.4/1

Right Out: 96.839+/-0.025 χ^2/NDF : 115173.1/18

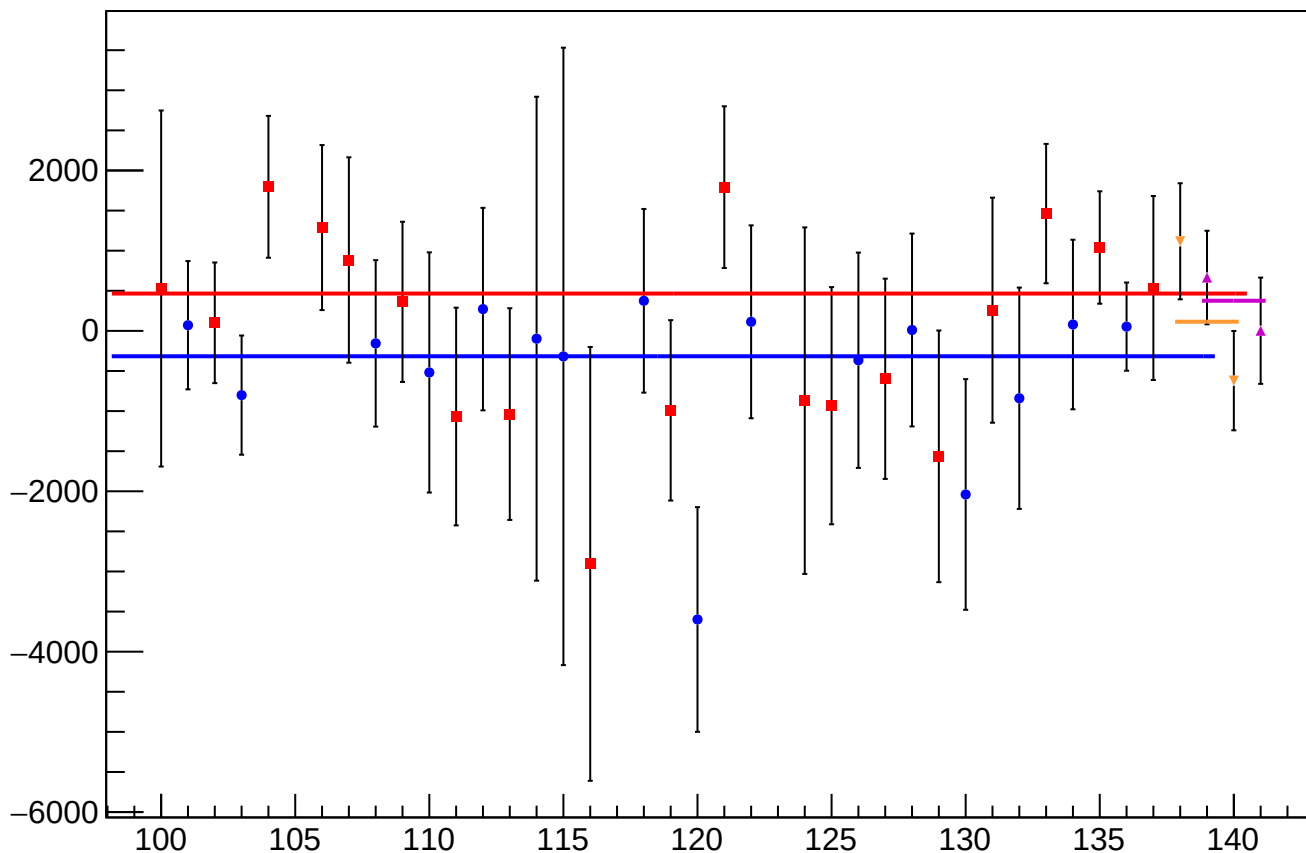
Left In: 95.730+/-0.051 χ^2/NDF : 4236.5/1

+ sign 97.338+/-0.023 χ^2/NDF : 143683.3/17

All: 96.972+/-0.016 χ^2/NDF : 263952.2/38

- sign 96.627+/-0.023 χ^2/NDF : 119785.2/20

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

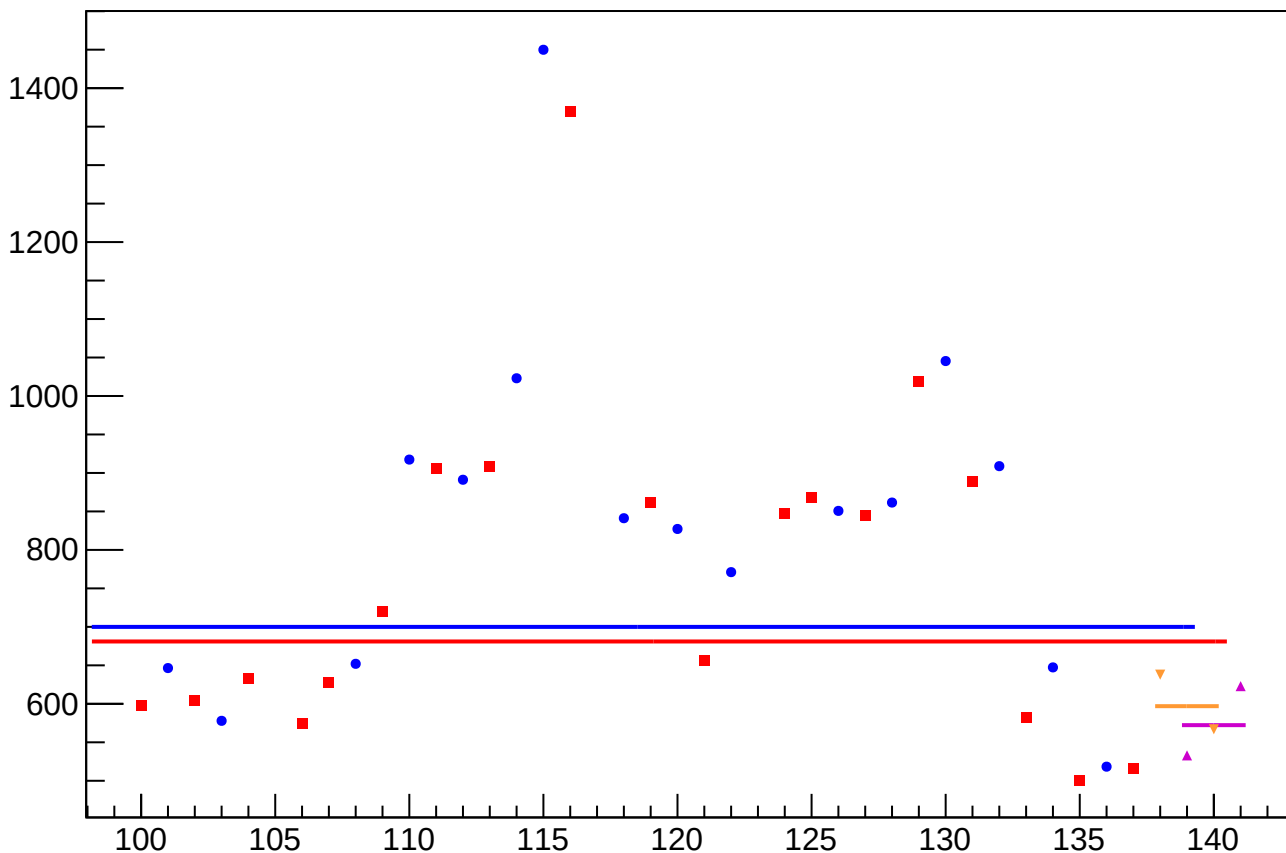
Left In: 375.744 ± 437.775 χ^2/NDF : 0.6/1

+ sign -211.320 ± 232.555 χ^2/NDF : 13.1/17

All: 131.693 ± 160.353 χ^2/NDF : 34.3/38

- sign 442.599 ± 221.403 χ^2/NDF : 17.1/20

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF : 753668.1/15

Left Out: 596.945+/-0.333 χ^2/NDF : 11106.5/1

Right Out: 681.015+/-0.181 χ^2/NDF : 769400.5/18

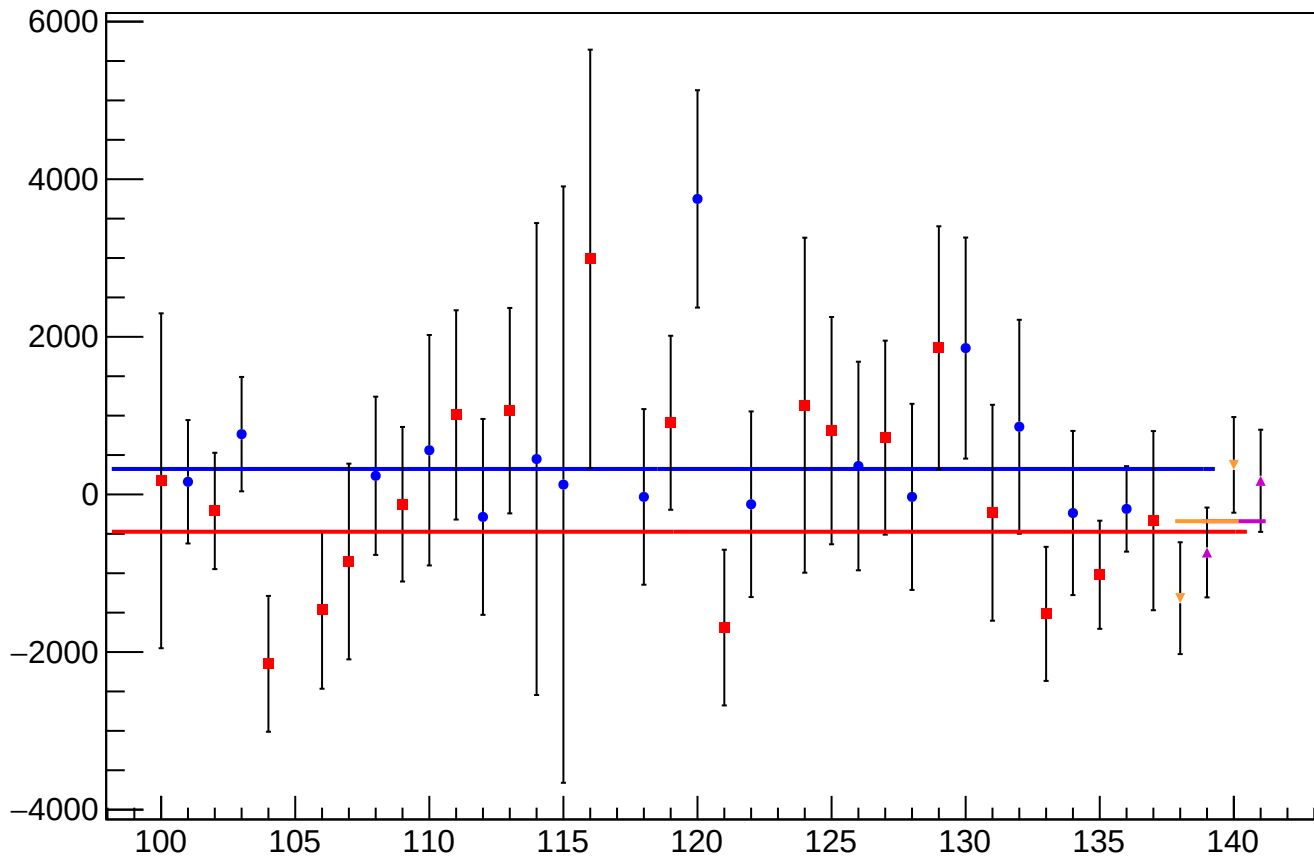
Left In: 572.297+/-0.310 χ^2/NDF : 20780.4/1

+ sign 674.803+/-0.164 χ^2/NDF : 837241.5/17

All: 663.475+/-0.113 χ^2/NDF : 1728267.0/38

- sign 653.207+/-0.157 χ^2/NDF : 881978.3/20

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

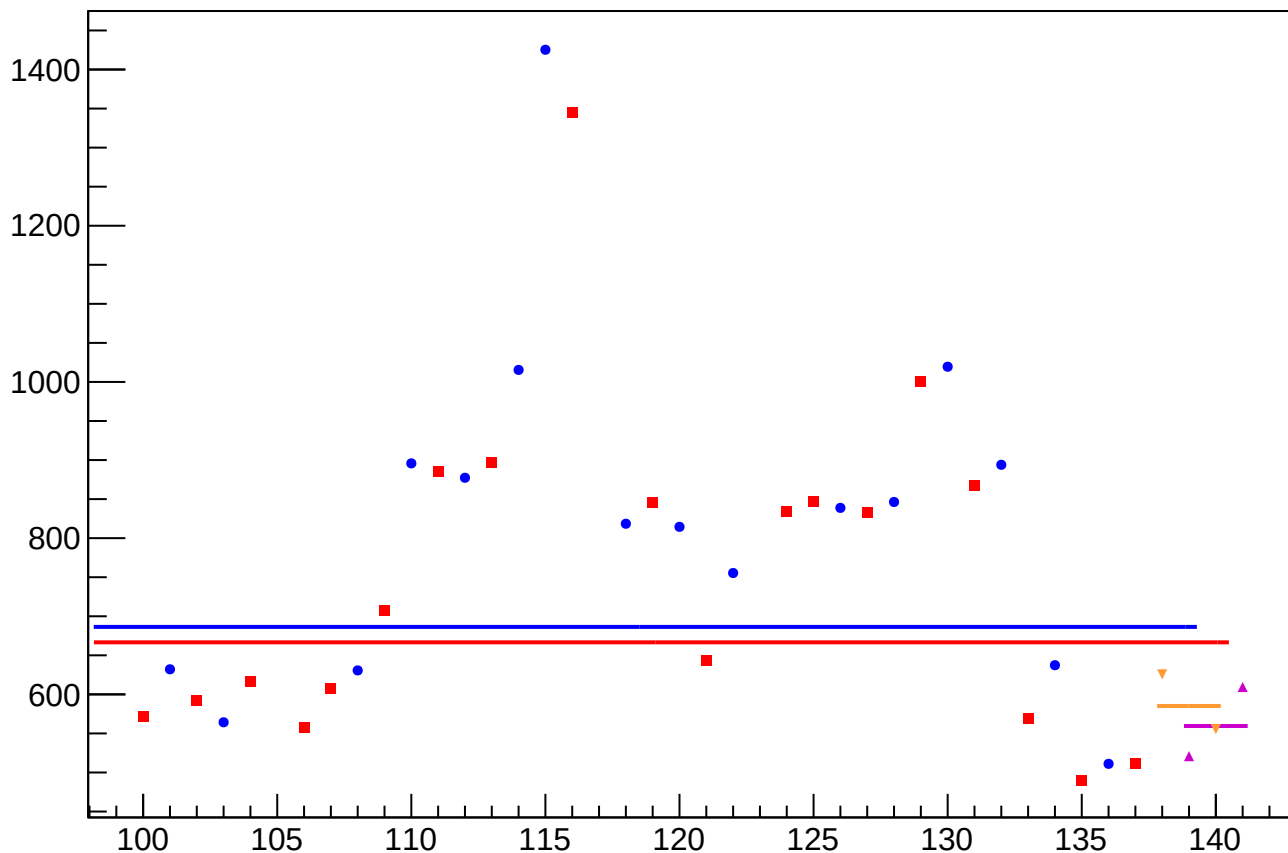
Left In: -339.835 $\pm$ 427.983 χ^2 /NDF:1.1/1

+ sign 161.193 $\pm$ 228.026 χ^2 /NDF: 14.6/17

All: -154.160 $\pm$ 157.091 χ^2 /NDF: 38.8/38

- sign -439.027 $\pm$ 216.724 χ^2 /NDF: 20.6/20

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF : 749454.8/15

Left Out: 585.141+/-0.326 χ^2/NDF : 11273.6/1

Right Out: 666.634+/-0.178 χ^2/NDF : 777033.6/18

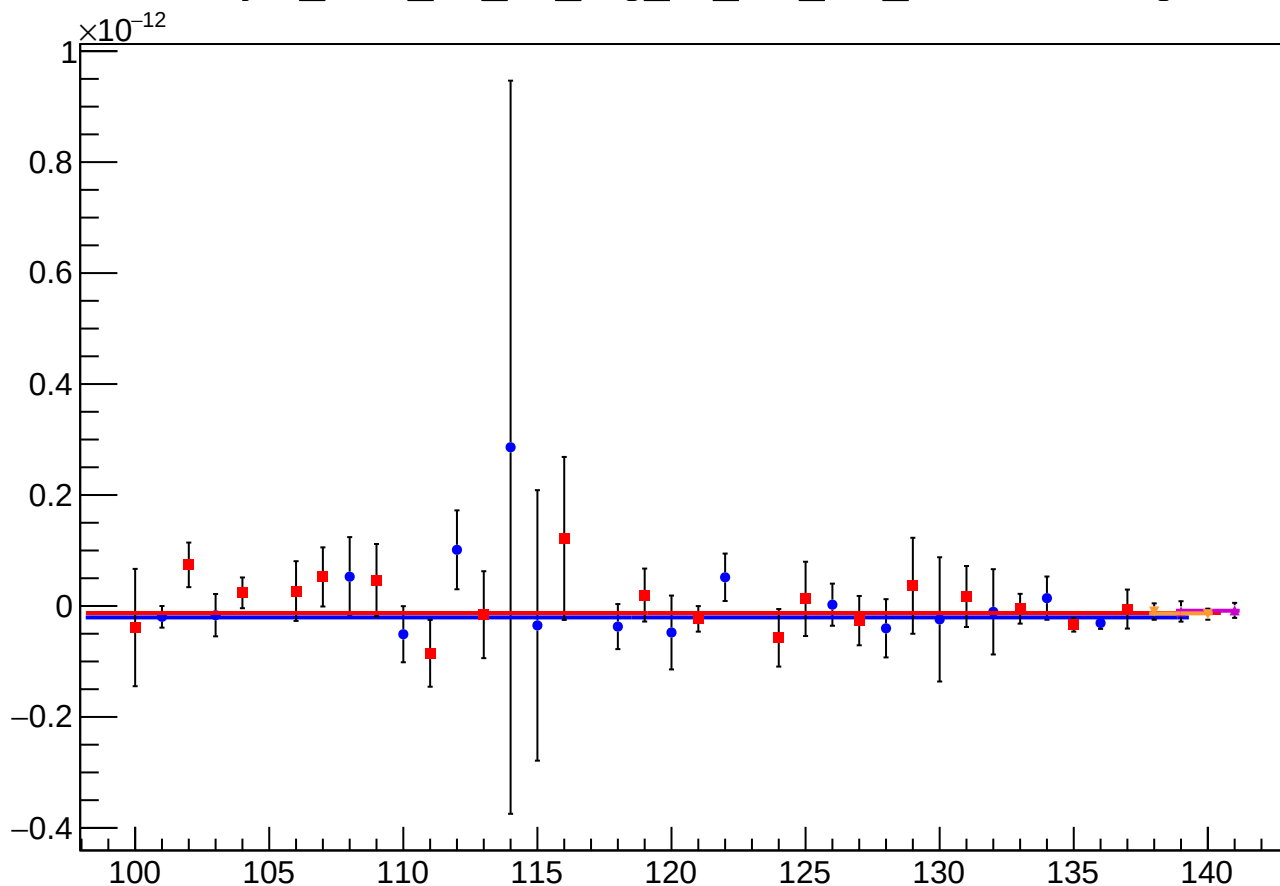
Left In: 559.502+/-0.303 χ^2/NDF : 21065.2/1

+ sign 661.643+/-0.161 χ^2/NDF : 833561.9/17

All: 649.832+/-0.111 χ^2/NDF : 1735058.2/38

- sign 639.163+/-0.153 χ^2/NDF : 891283.6/20

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

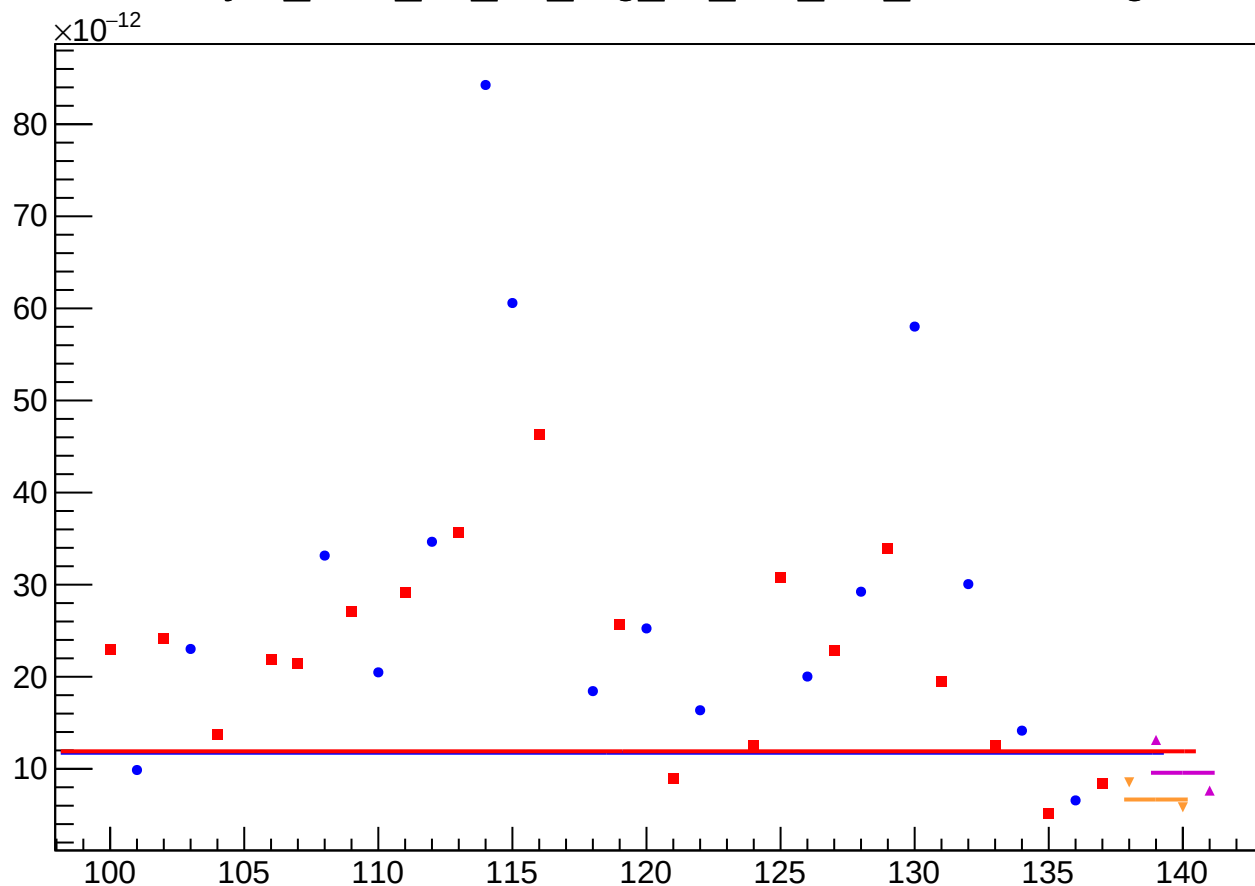
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 10.5/17

All: -0.000+/-0.000 χ^2 /NDF: 28.1/38

- sign -0.000+/-0.000 χ^2 /NDF: 17.1/20

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

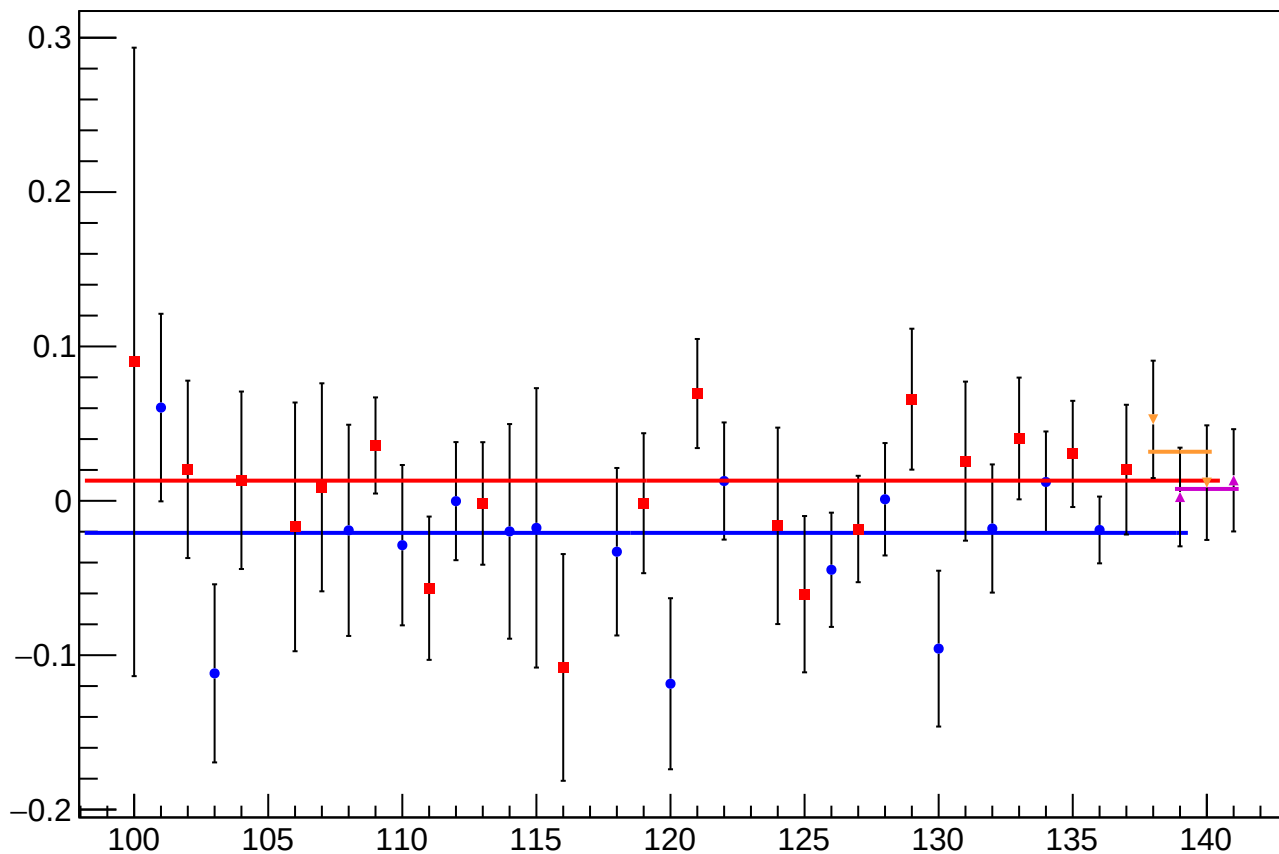
Left In: 0.000+/-0.000 χ^2 /NDF:115946.9/1

+ sign 0.000+/-0.000 χ^2 /NDF: 2605834.0/17

All: 0.000+/-0.000 χ^2 /NDF: 5069028.3/38

- sign 0.000+/-0.000 χ^2 /NDF: 2378506.5/20

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.011 χ^2/NDF : 12.5/15

Left Out: 0.032 ± 0.027 χ^2/NDF : 0.6/1

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

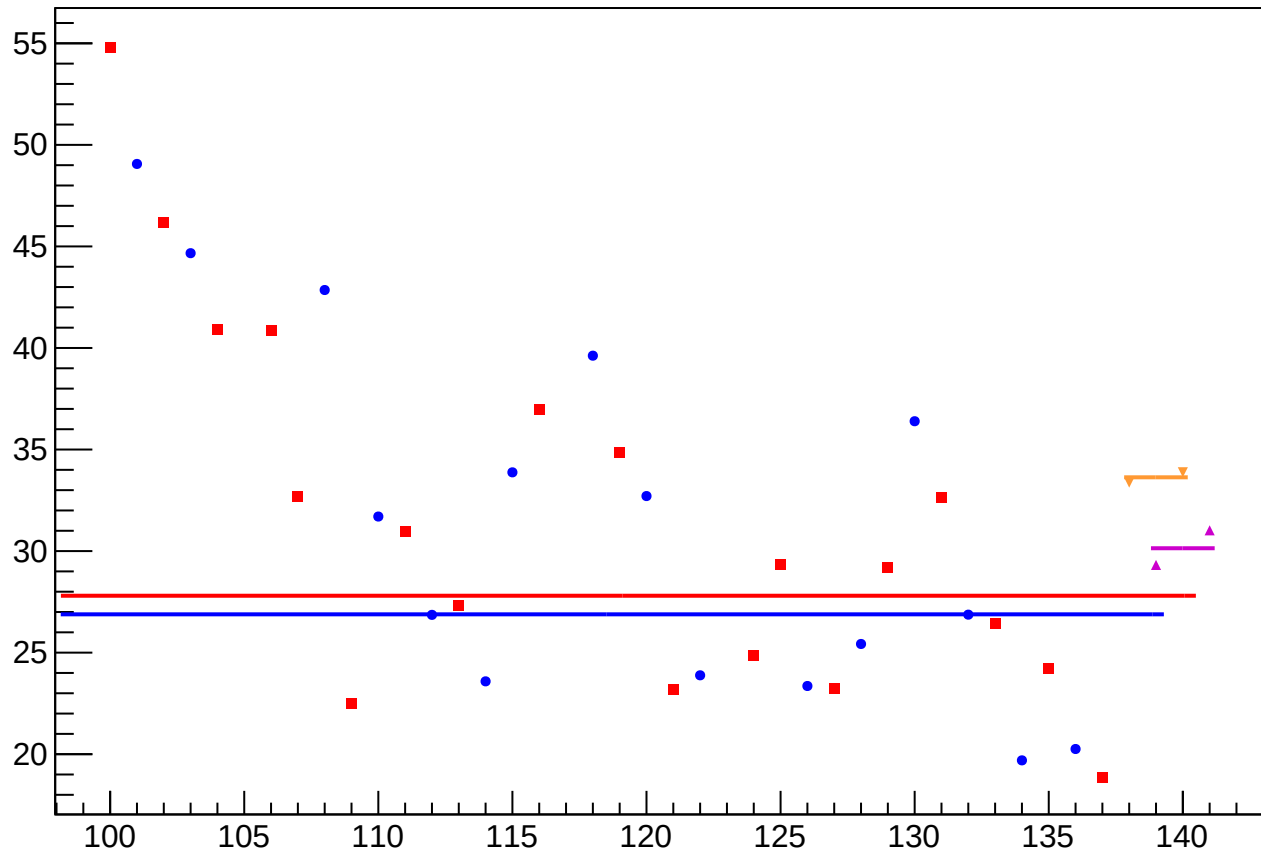
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 34.1/38

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886 $\pm$ 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

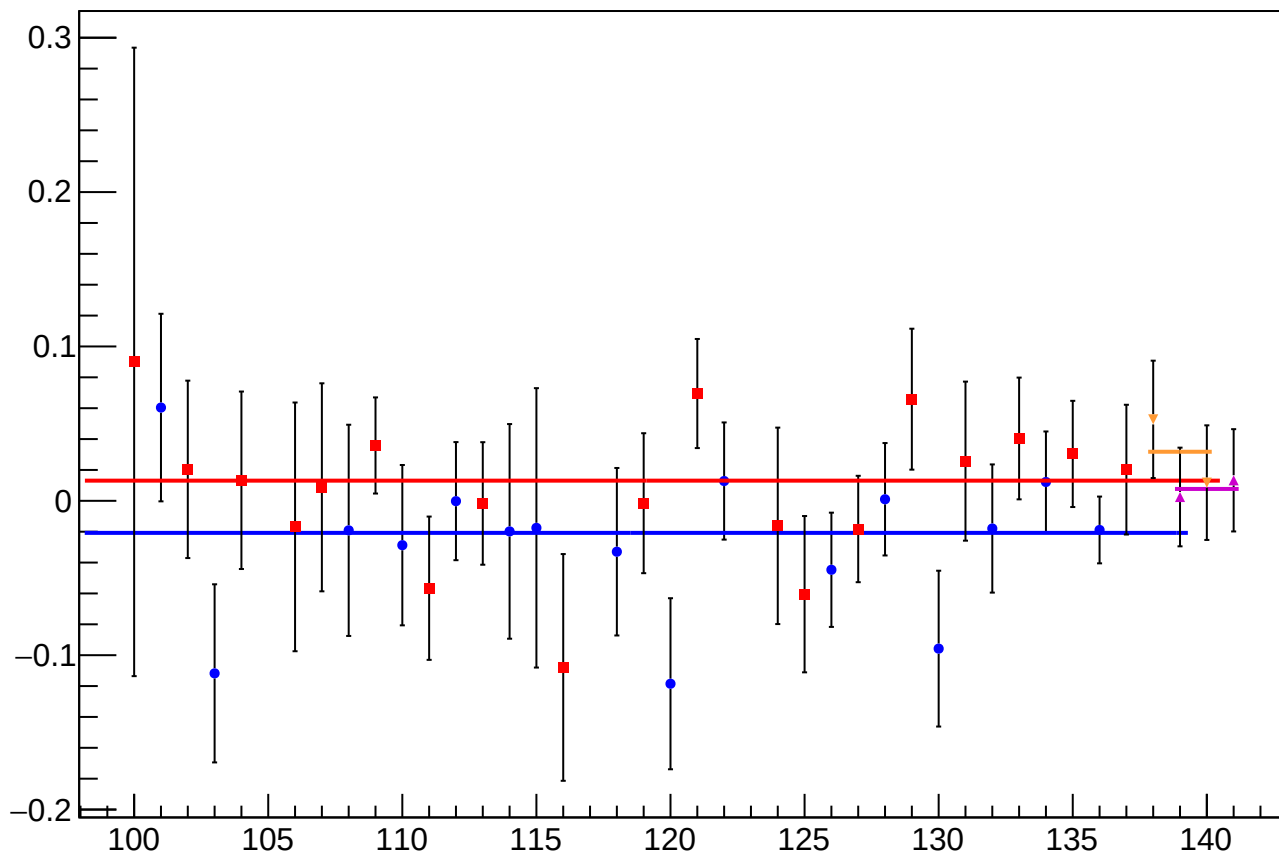
Left In: 30.140 $\pm$ 0.016 χ^2 /NDF:2739.6/1

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232315.8/17

All: 28.007 $\pm$ 0.005 χ^2 /NDF: 2017019.4/38

- sign 28.208 $\pm$ 0.007 χ^2 /NDF: 782924.9/20

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

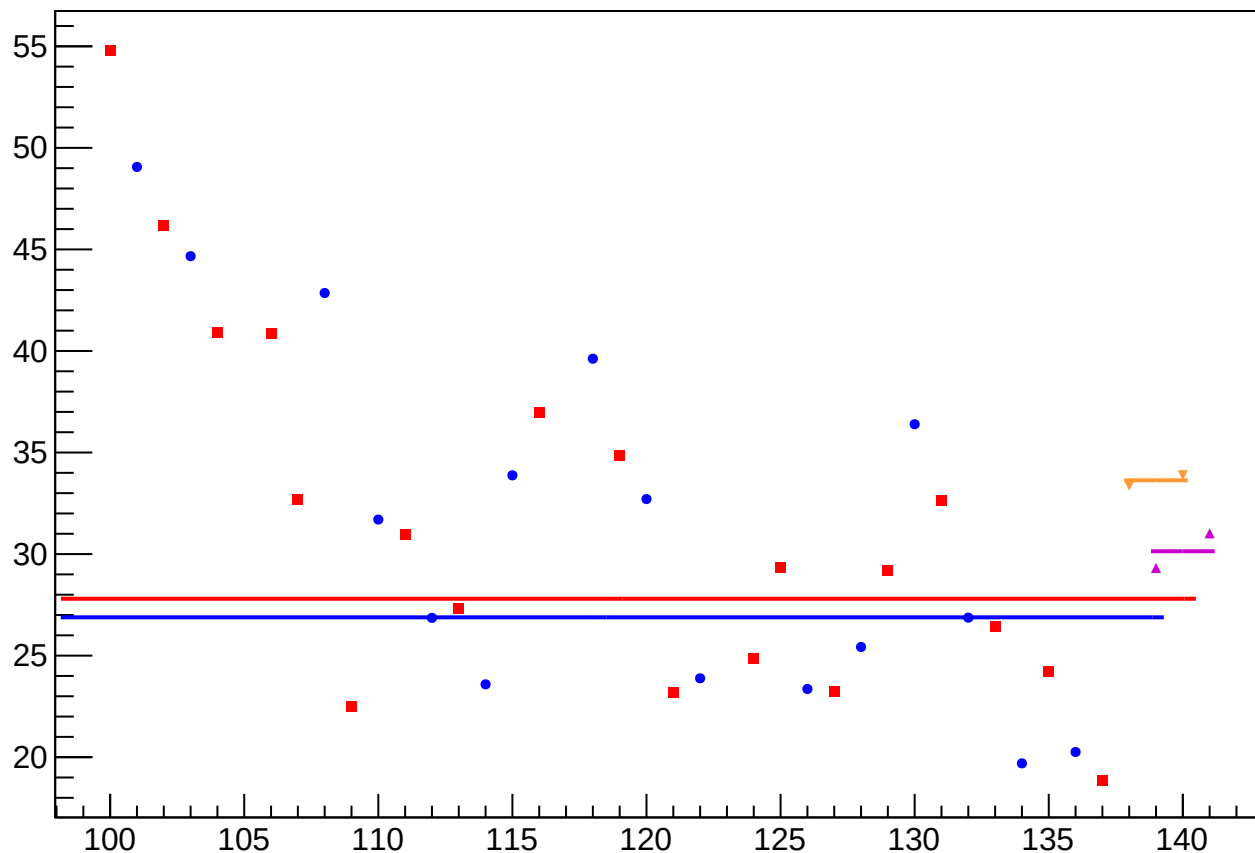
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 34.1/38

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.886 $\pm$ 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

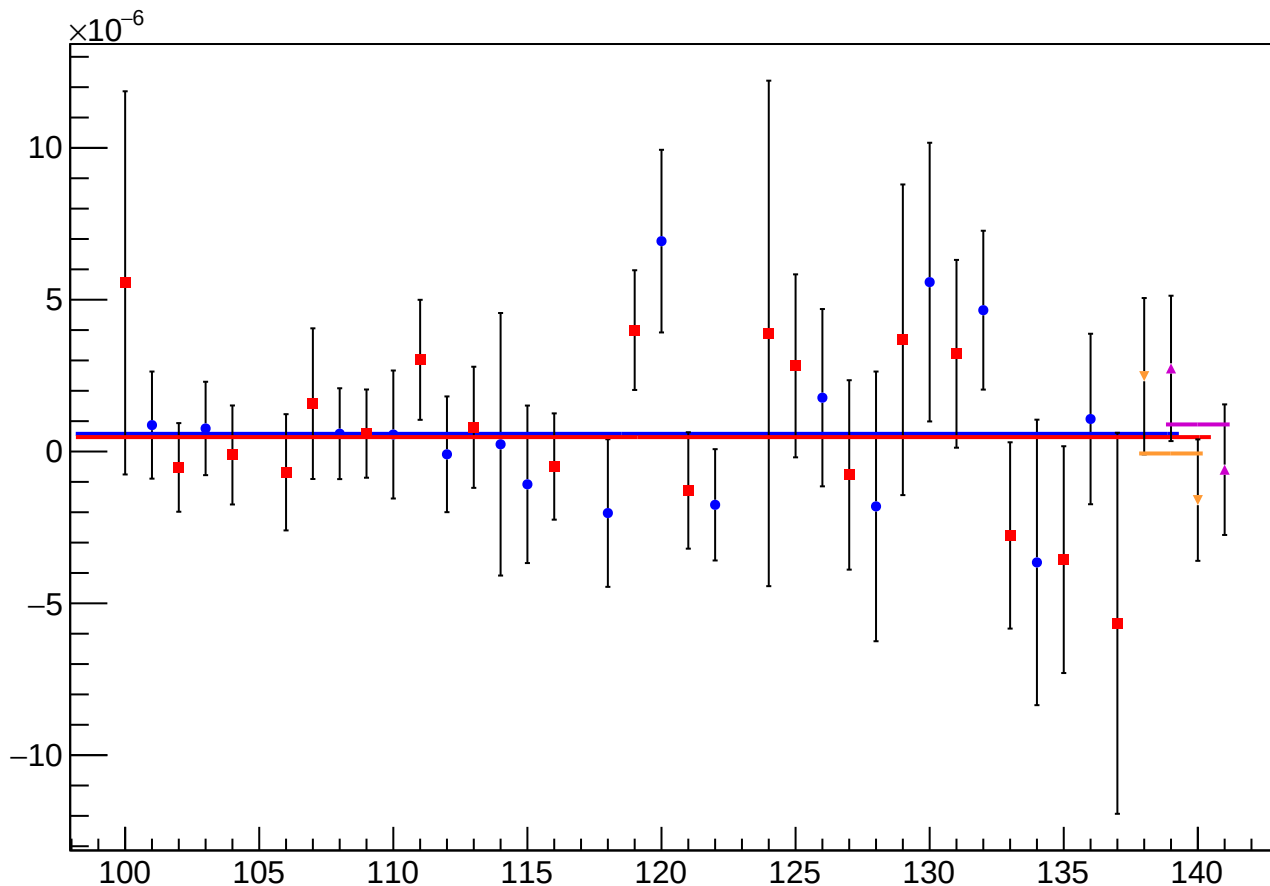
Left In: 30.140 $\pm$ 0.016 χ^2 /NDF:2739.6/1

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232315.8/17

All: 28.007 $\pm$ 0.005 χ^2 /NDF: 2017019.4/38

- sign 28.208 $\pm$ 0.007 χ^2 /NDF: 782924.9/20

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

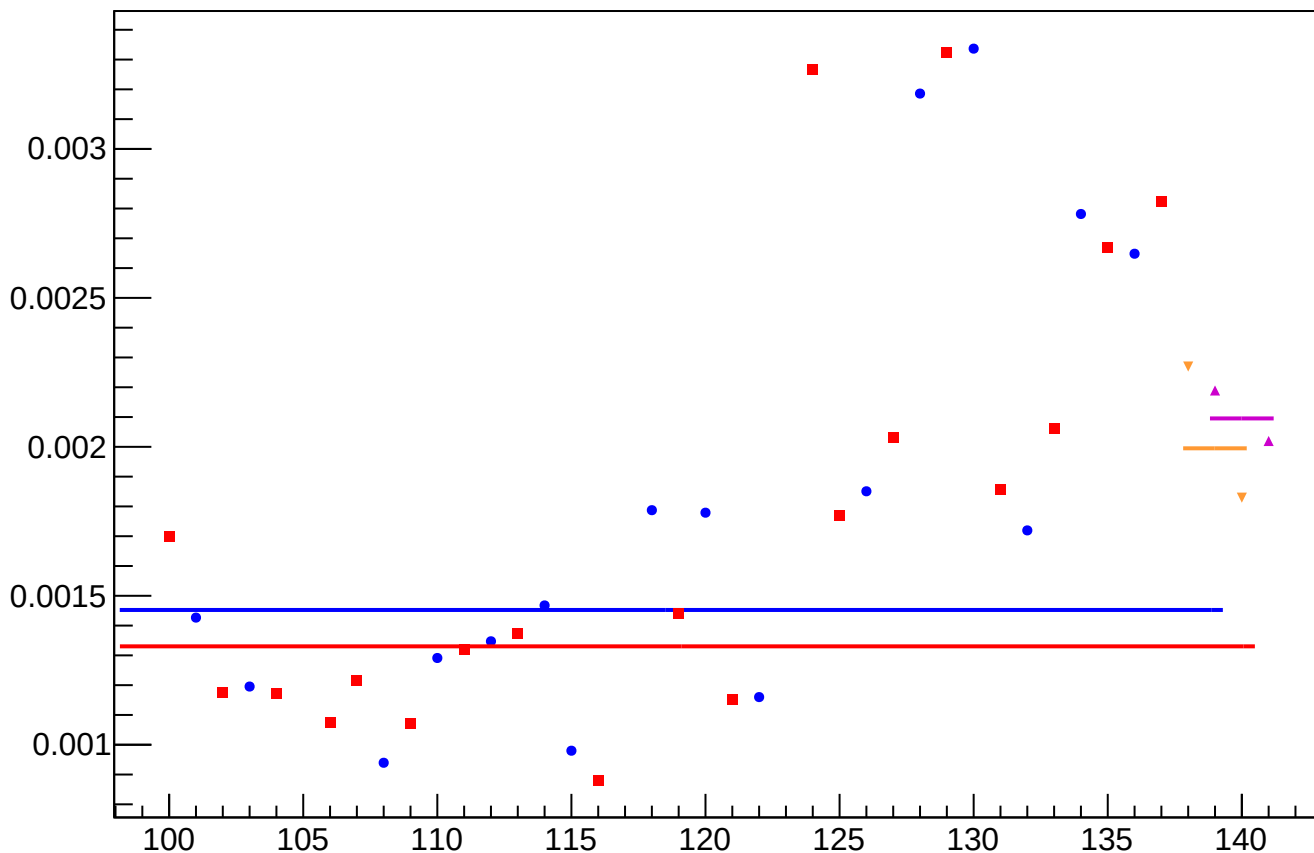
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/20

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

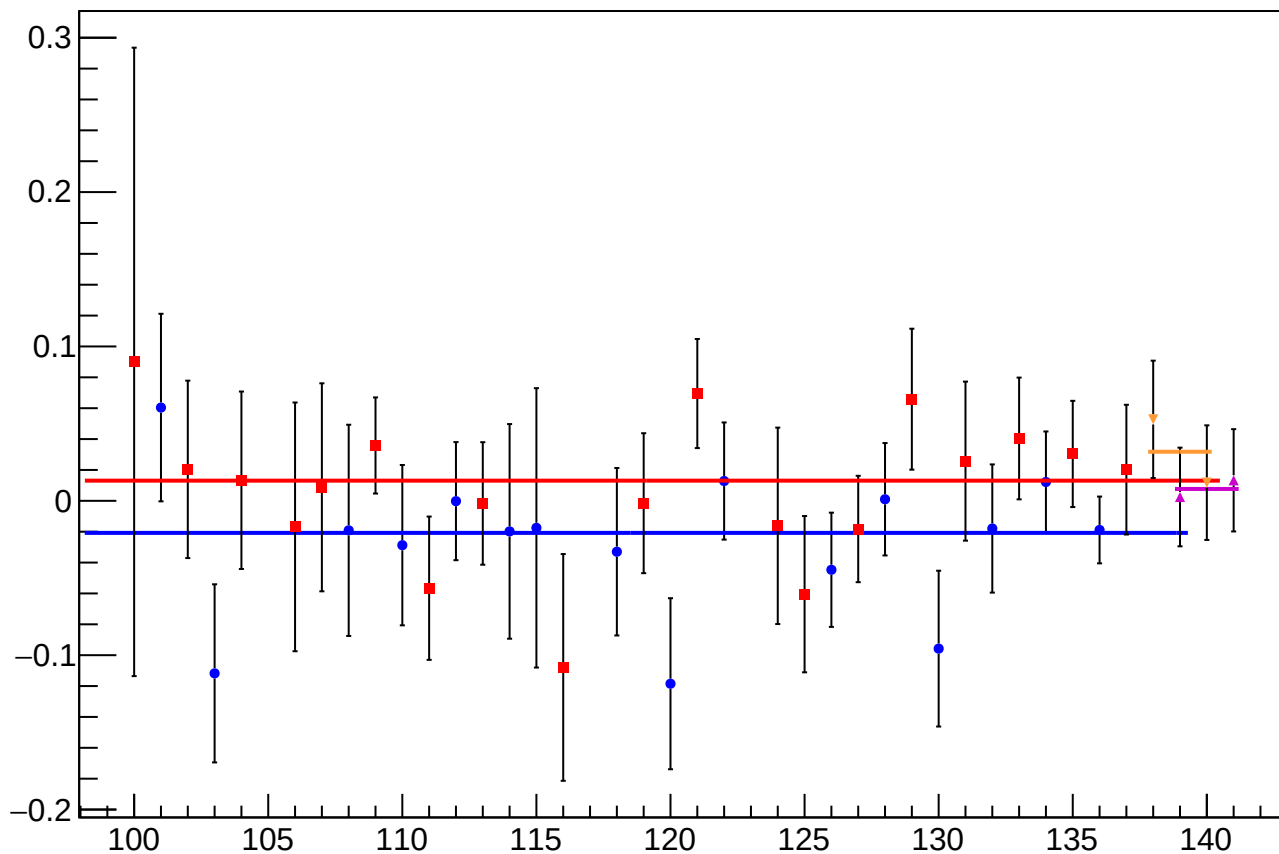
Left In: 0.002+/-0.000 χ^2/NDF : 5555.3/1

+ sign 0.002+/-0.000 χ^2/NDF : 1955230.8/17

All: 0.001+/-0.000 χ^2/NDF : 3825228.7/38

- sign 0.001+/-0.000 χ^2/NDF : 1822273.5/20

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

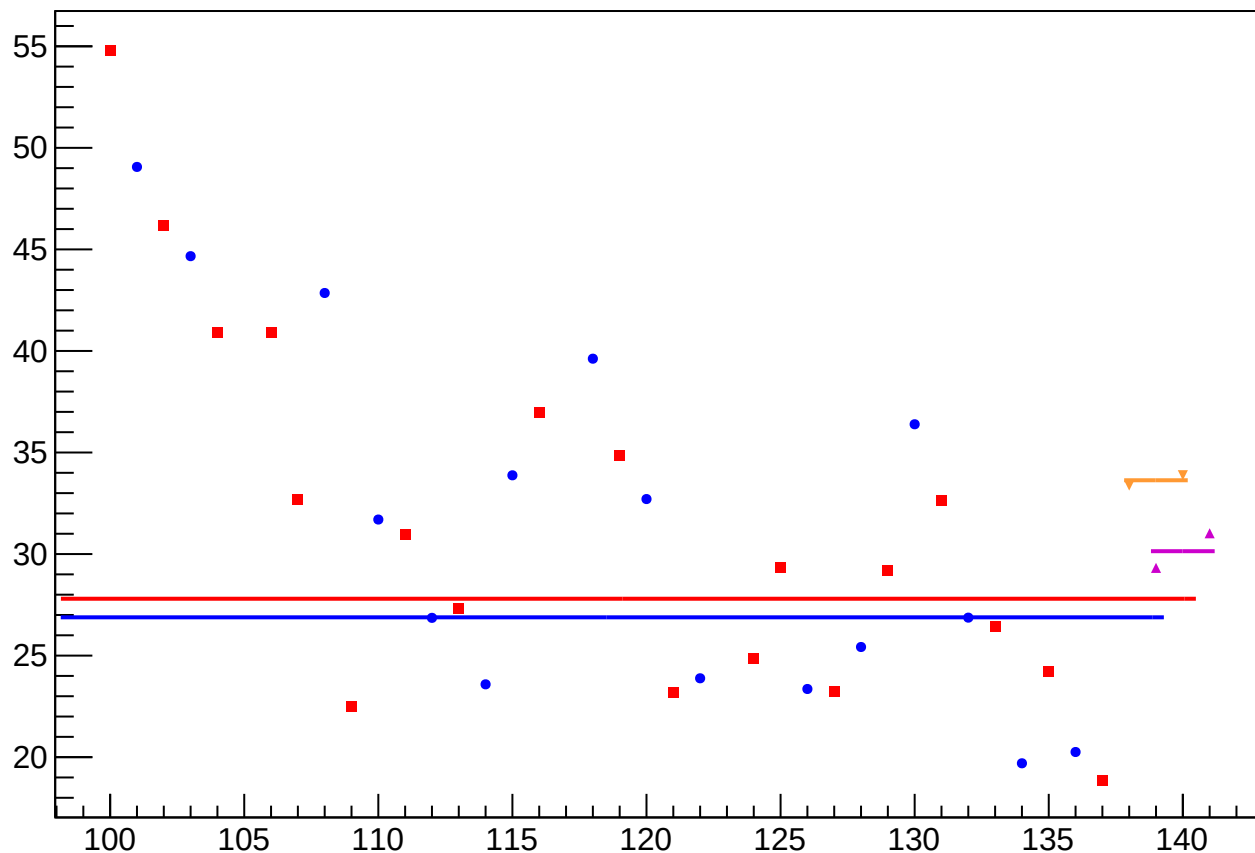
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 34.1/38

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885 $\pm$ 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

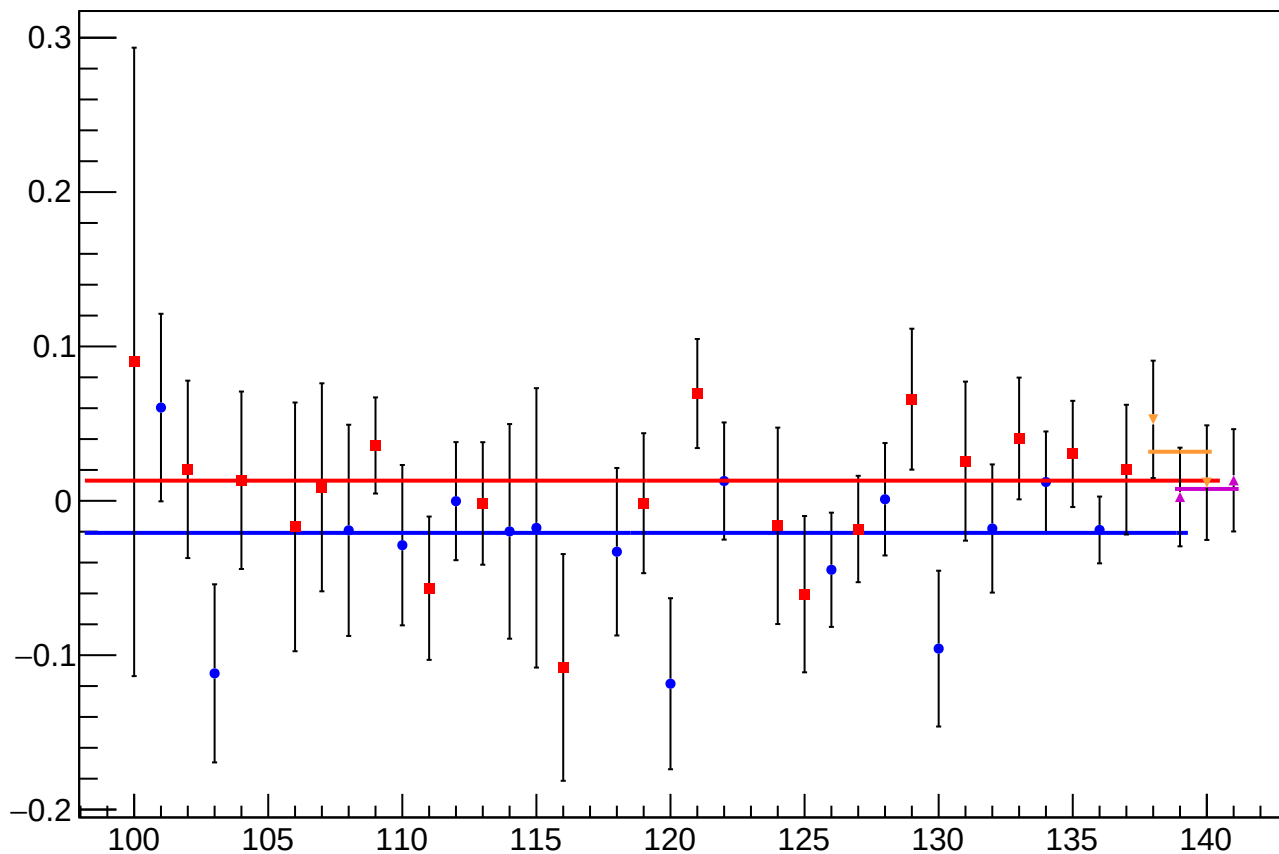
Left In: 30.141 $\pm$ 0.016 χ^2 /NDF:2740.0/1

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232388.3/17

All: 28.007 $\pm$ 0.005 χ^2 /NDF: 2017232.7/38

- sign 28.207 $\pm$ 0.007 χ^2 /NDF: 783068.1/20

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

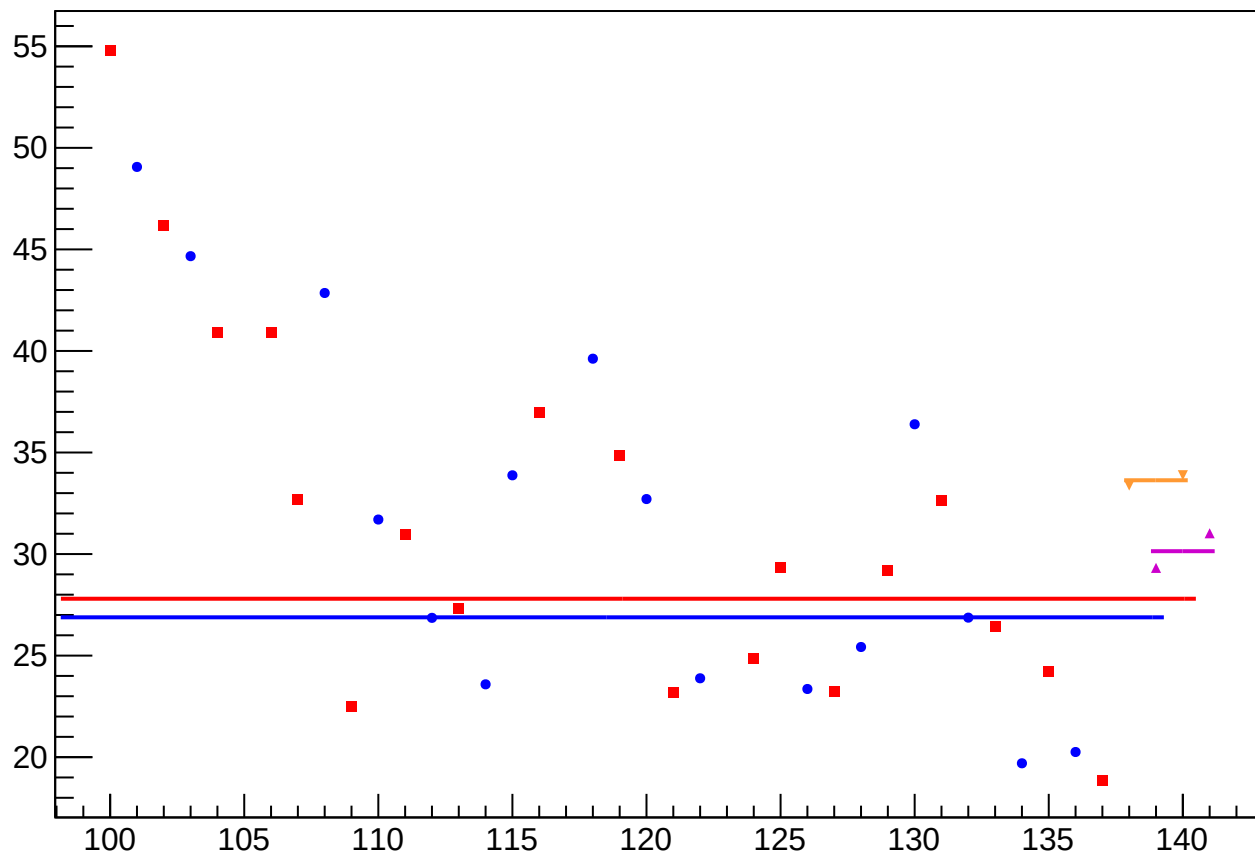
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.014 ± 0.010 χ^2/NDF : 16.5/17

All: -0.001 ± 0.007 χ^2/NDF : 34.1/38

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

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

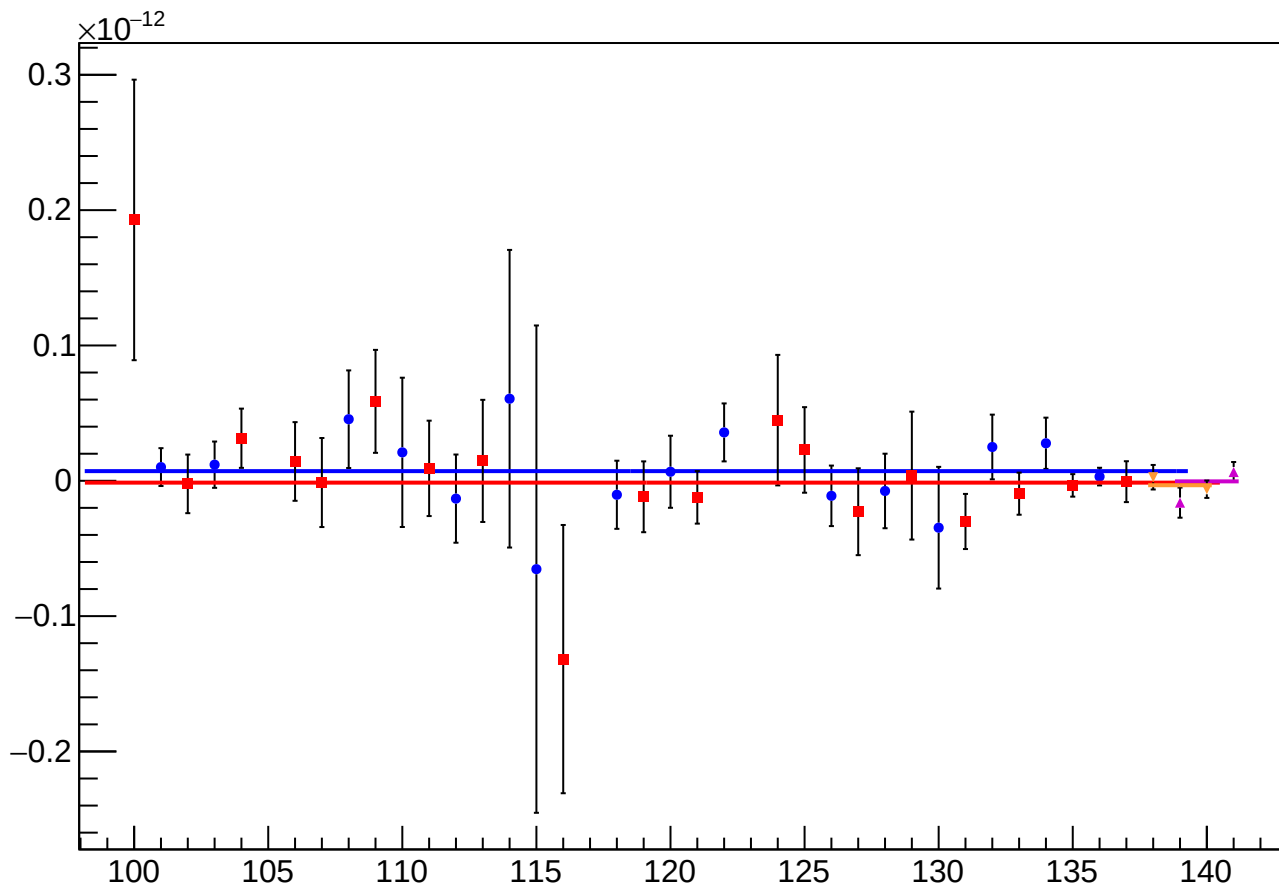
Left In: 30.141 $\pm$ 0.016 χ^2 /NDF:2740.0/1

+ sign 27.799 $\pm$ 0.007 χ^2 /NDF: 1232388.3/17

All: 28.007 $\pm$ 0.005 χ^2 /NDF: 2017232.7/38

- sign 28.207 $\pm$ 0.007 χ^2 /NDF: 783068.1/20

asym_sam_15_dd_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 : 0.6/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.2/18

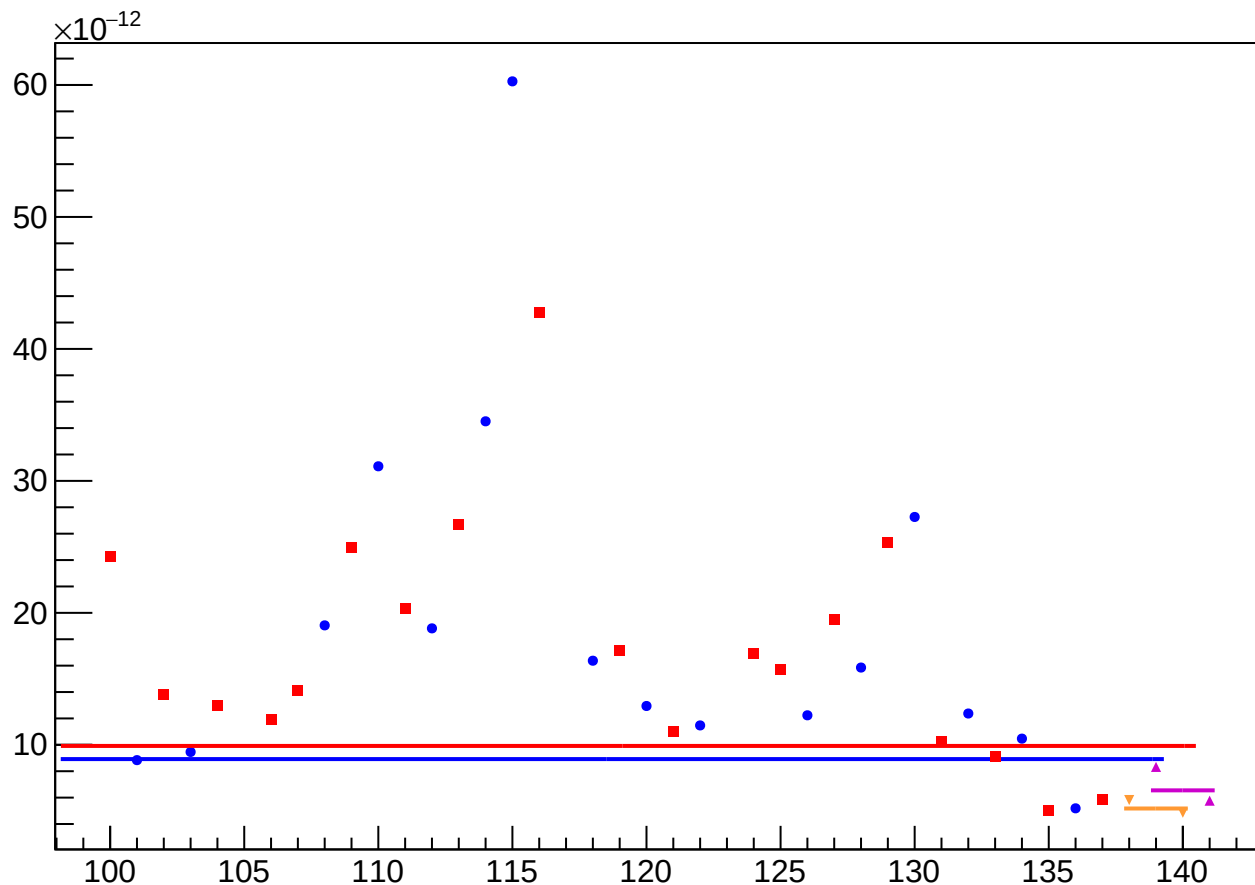
Left In: -0.000 ± 0.000 χ^2/NDF : 2.9/1

+ sign 0.000 ± 0.000 χ^2/NDF : 11.2/17

All: 0.000 ± 0.000 χ^2/NDF : 29.8/38

- sign -0.000 ± 0.000 χ^2/NDF : 18.1/20

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

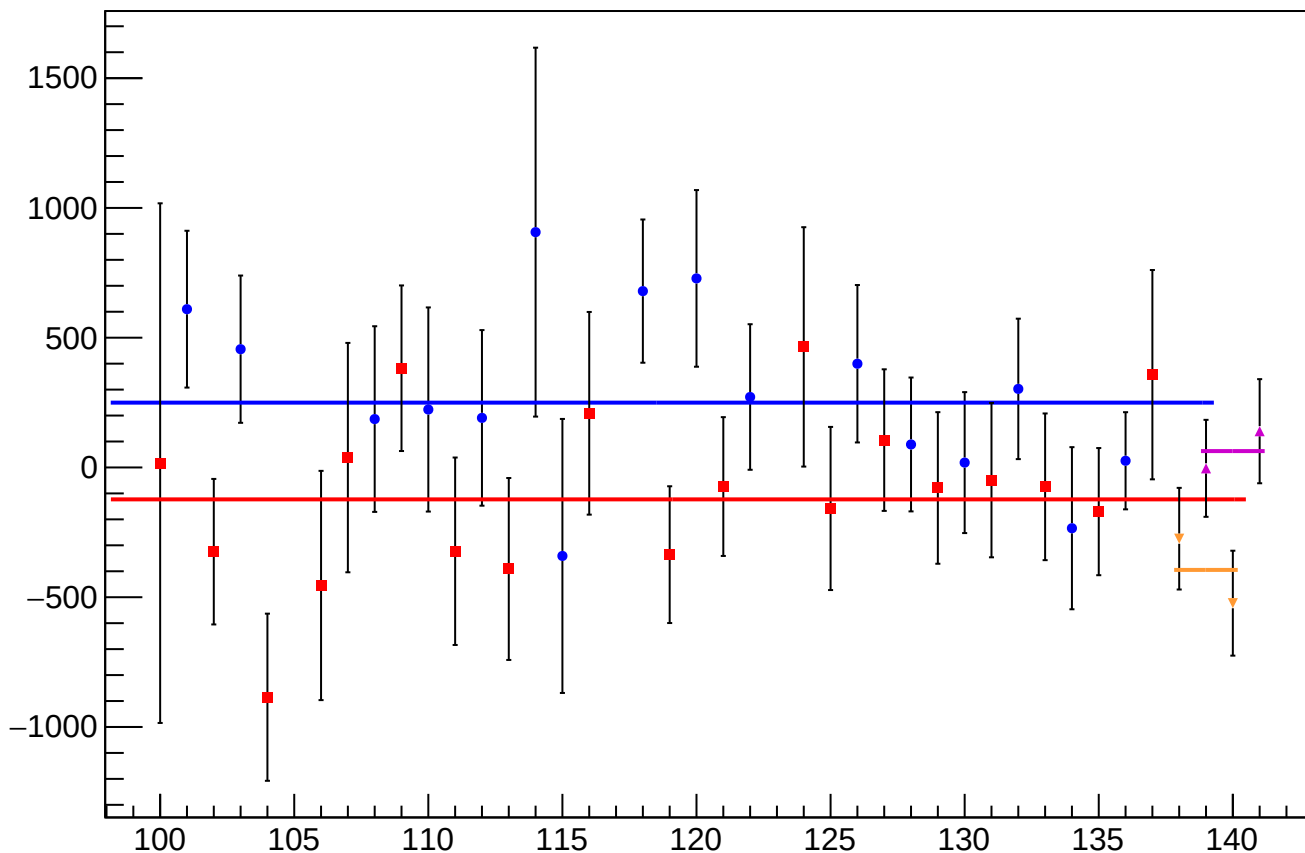
Left In: 0.000+/-0.000 χ^2/NDF :73333.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 2997726.4/17

All: 0.000+/-0.000 χ^2/NDF : 6230129.9/38

- sign 0.000+/-0.000 χ^2/NDF : 3106374.4/20

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

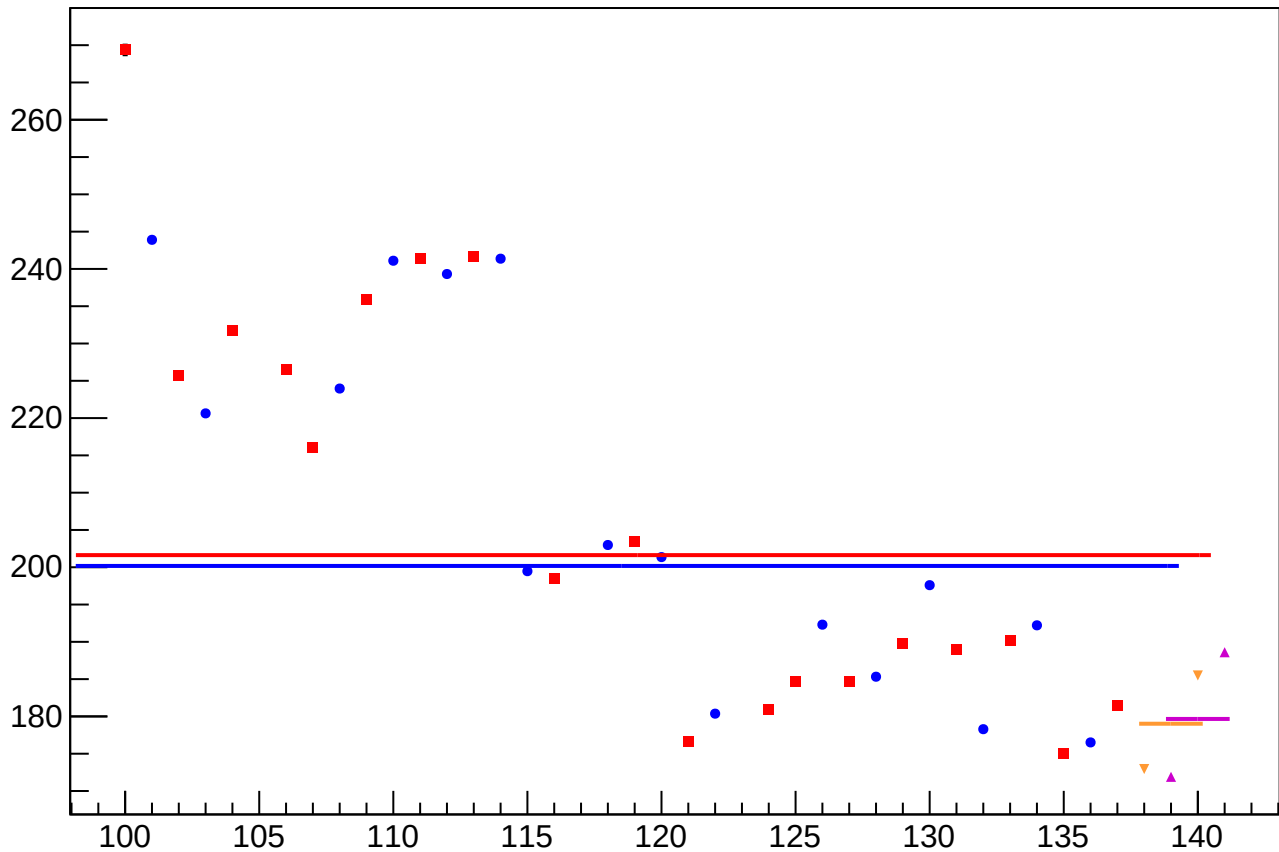
Left In: 63.069 $\pm$ 136.725 χ^2 /NDF:0.3/1

+ sign 107.437 $\pm$ 66.095 χ^2 /NDF: 30.9/17

All: 12.369 $\pm$ 46.464 χ^2 /NDF: 52.2/38

- sign -80.512 $\pm$ 65.331 χ^2 /NDF: 17.3/20

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.3/15

Left Out: 179.020 $\pm$ 0.099 χ^2 /NDF: 3975.0/1

Right Out: 201.627 $\pm$ 0.053 χ^2 /NDF: 197245.7/18

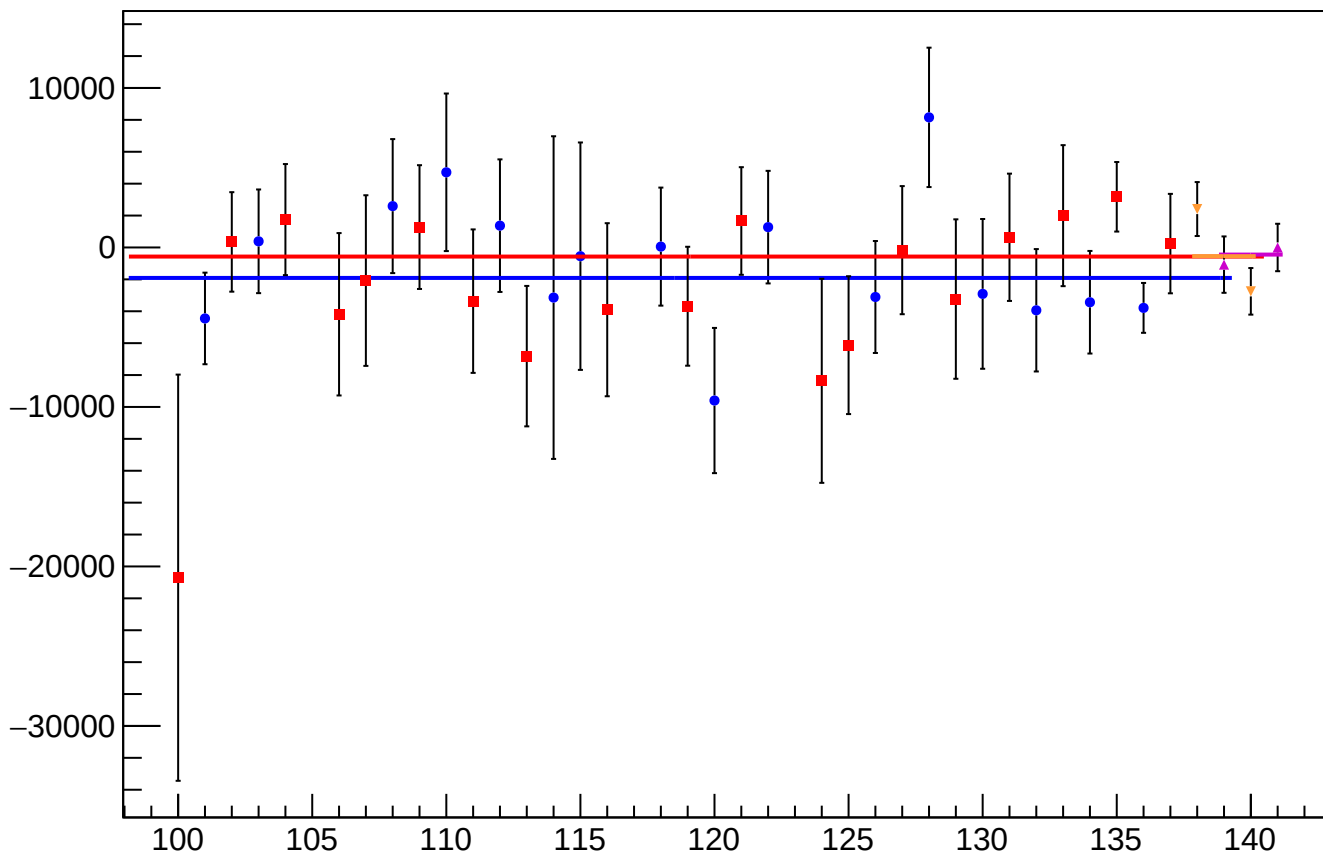
Left In: 179.662 $\pm$ 0.097 χ^2 /NDF: 7424.8/1

+ sign 195.505 $\pm$ 0.047 χ^2 /NDF: 220233.2/17

All: 196.065 $\pm$ 0.033 χ^2 /NDF: 465021.6/38

- sign 196.612 $\pm$ 0.046 χ^2 /NDF: 244504.7/20

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348 ± 859.088 χ^2/NDF : 16.3/15

Left Out: -546.087 ± 1105.510 χ^2/NDF : 5.3/1

Right Out: -570.946 ± 900.451 χ^2/NDF : 14.6/18

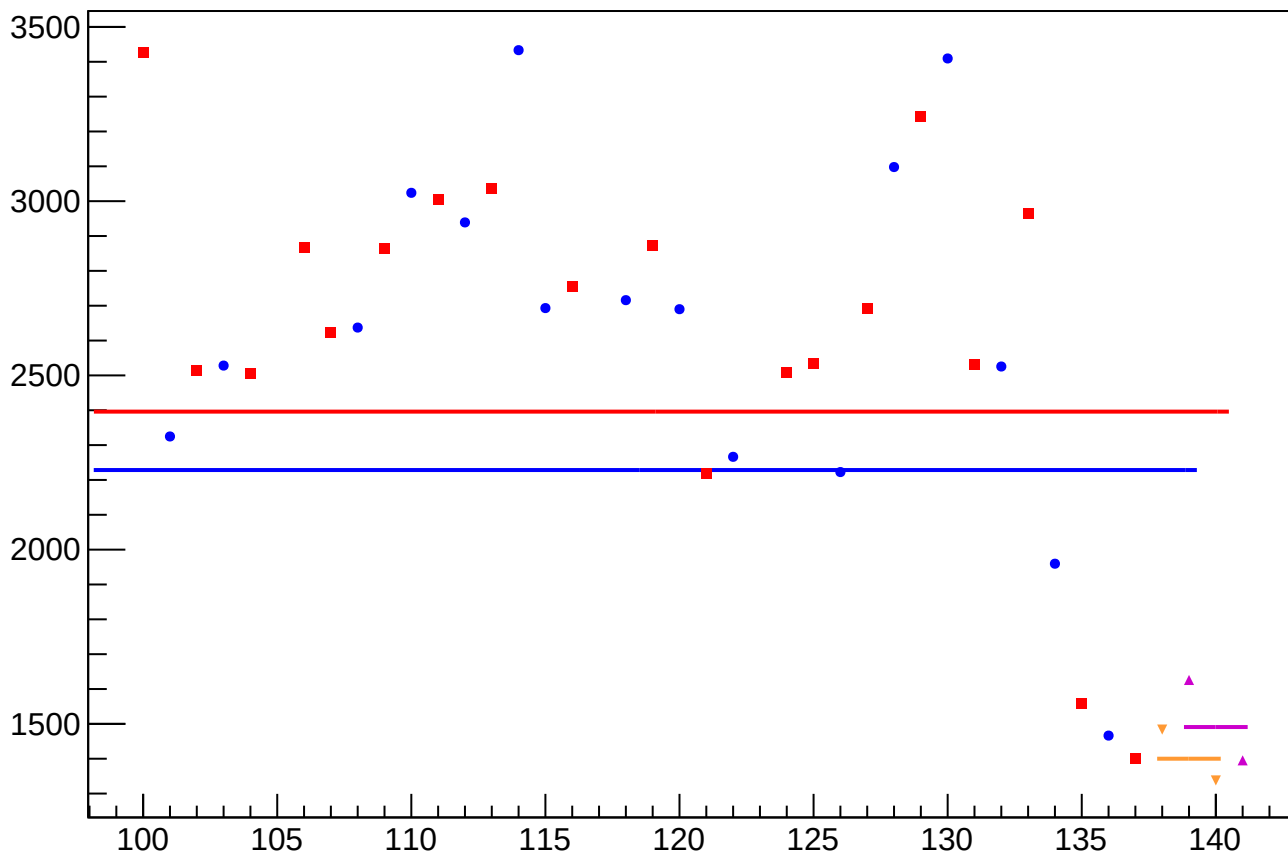
Left In: -446.862 ± 1137.847 χ^2/NDF : 0.2/1

+ sign -1396.689 ± 678.347 χ^2/NDF : 22.5/17

All: -977.429 ± 489.181 χ^2/NDF : 38.2/38

- sign -523.162 ± 706.099 χ^2/NDF : 14.9/20

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF : 947654.8/15

Left Out: 1400.033+/-0.782 χ^2/NDF : 8530.4/1

Right Out: 2396.080+/-0.637 χ^2/NDF : 799442.5/18

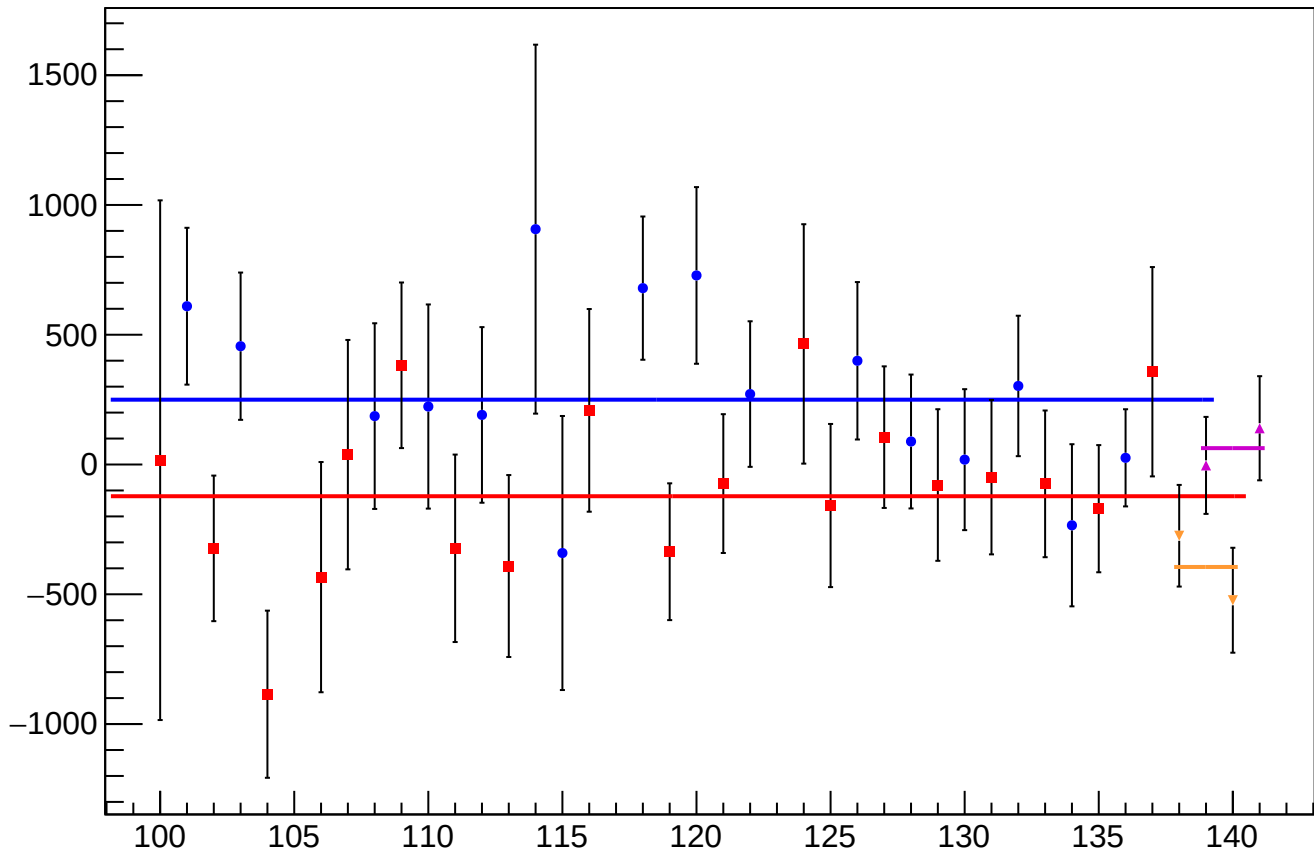
Left In: 1490.924+/-0.805 χ^2/NDF : 19945.9/1

+ sign 1916.530+/-0.480 χ^2/NDF : 1656368.1/17

All: 1979.396+/-0.346 χ^2/NDF : 3289797.6/38

- sign 2047.512+/-0.499 χ^2/NDF : 1597639.9/20

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

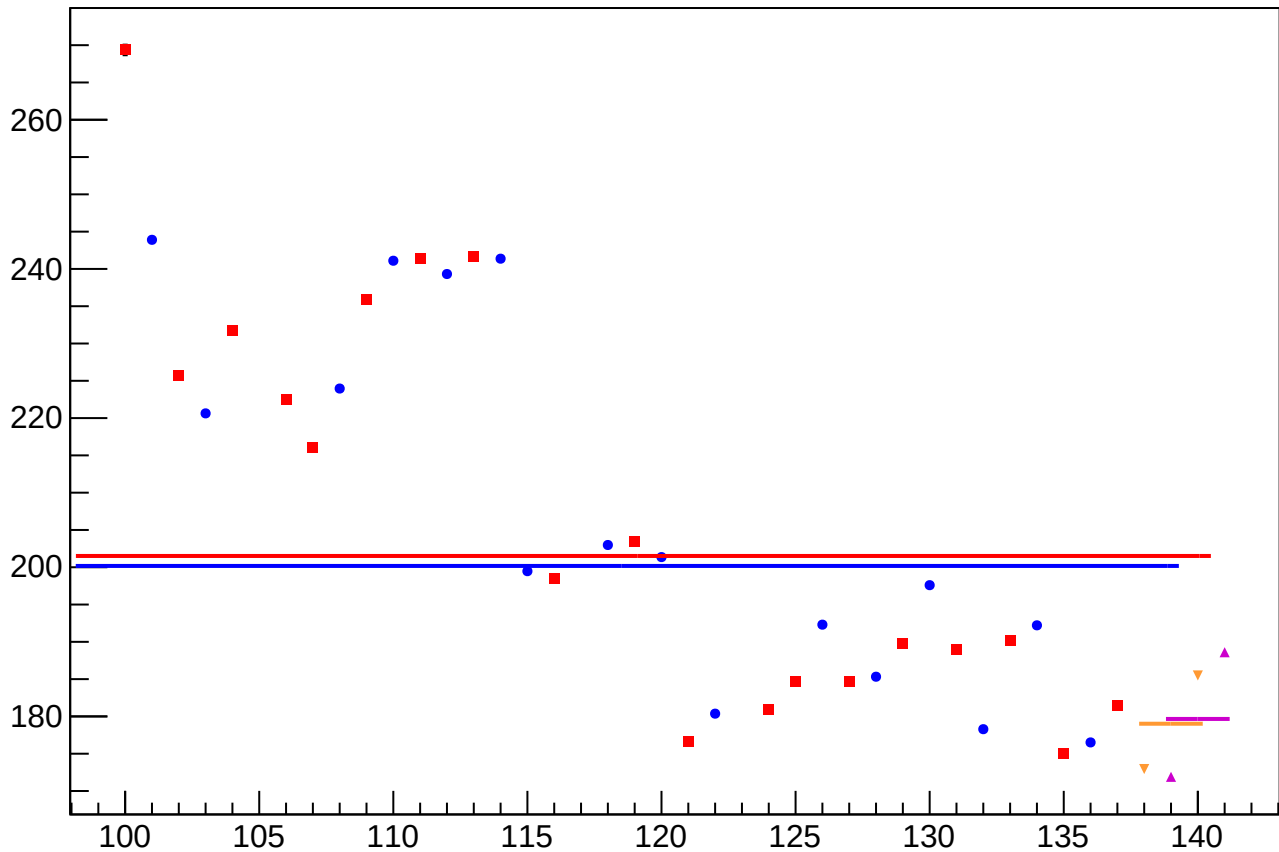
Left In: 63.056 $\pm$ 136.725 χ^2 /NDF: 0.3/1

+ sign 107.441 $\pm$ 66.095 χ^2 /NDF: 30.9/17

All: 12.689 $\pm$ 46.466 χ^2 /NDF: 52.1/38

- sign -79.902 $\pm$ 65.338 χ^2 /NDF: 17.2/20

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

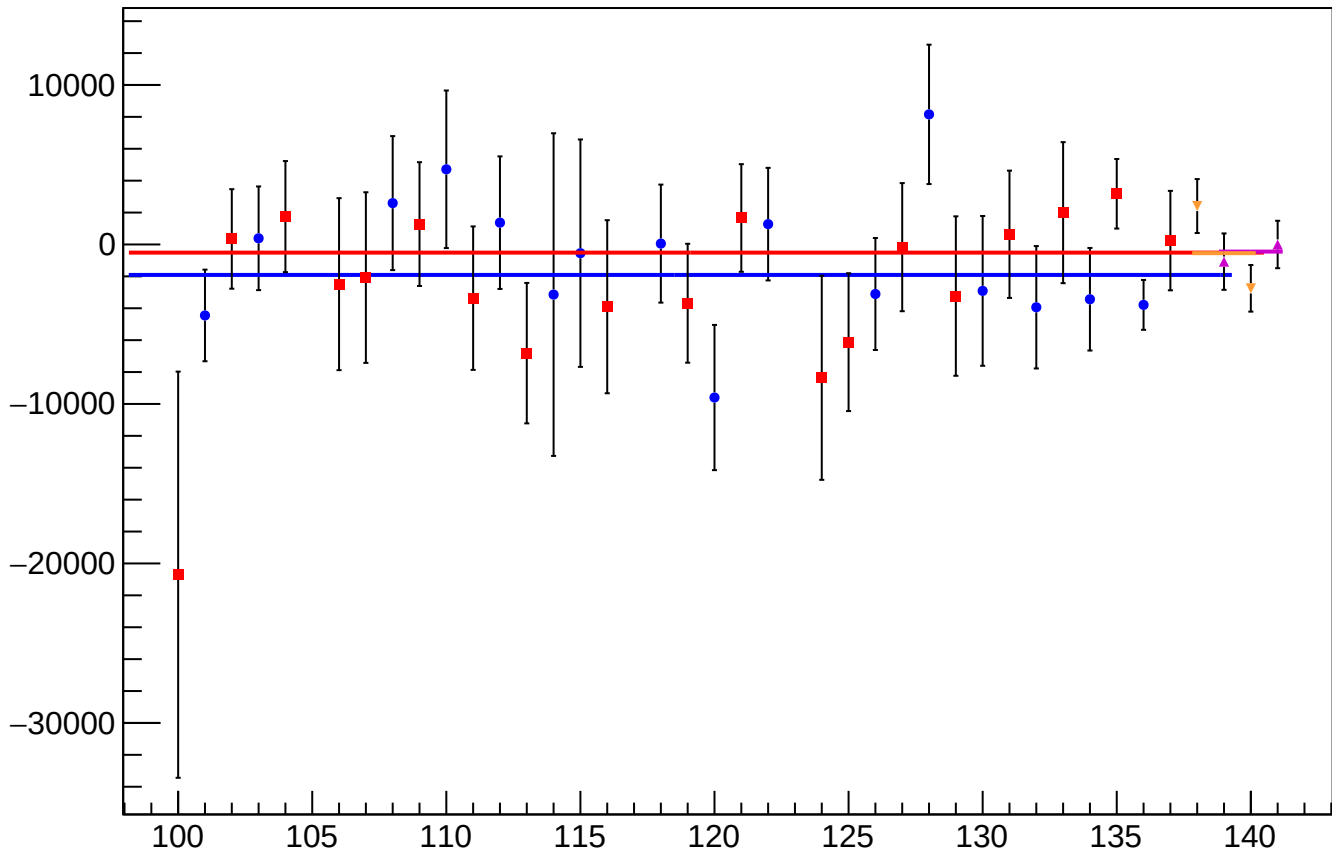
Left In: 179.662 $\pm$ 0.097 χ^2 /NDF: 7424.9/1

+ sign 195.505 $\pm$ 0.047 χ^2 /NDF: 220233.6/17

All: 196.020 $\pm$ 0.033 χ^2 /NDF: 462753.6/38

- sign 196.524 $\pm$ 0.046 χ^2 /NDF: 242279.7/20

asym_sam_26_dd_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

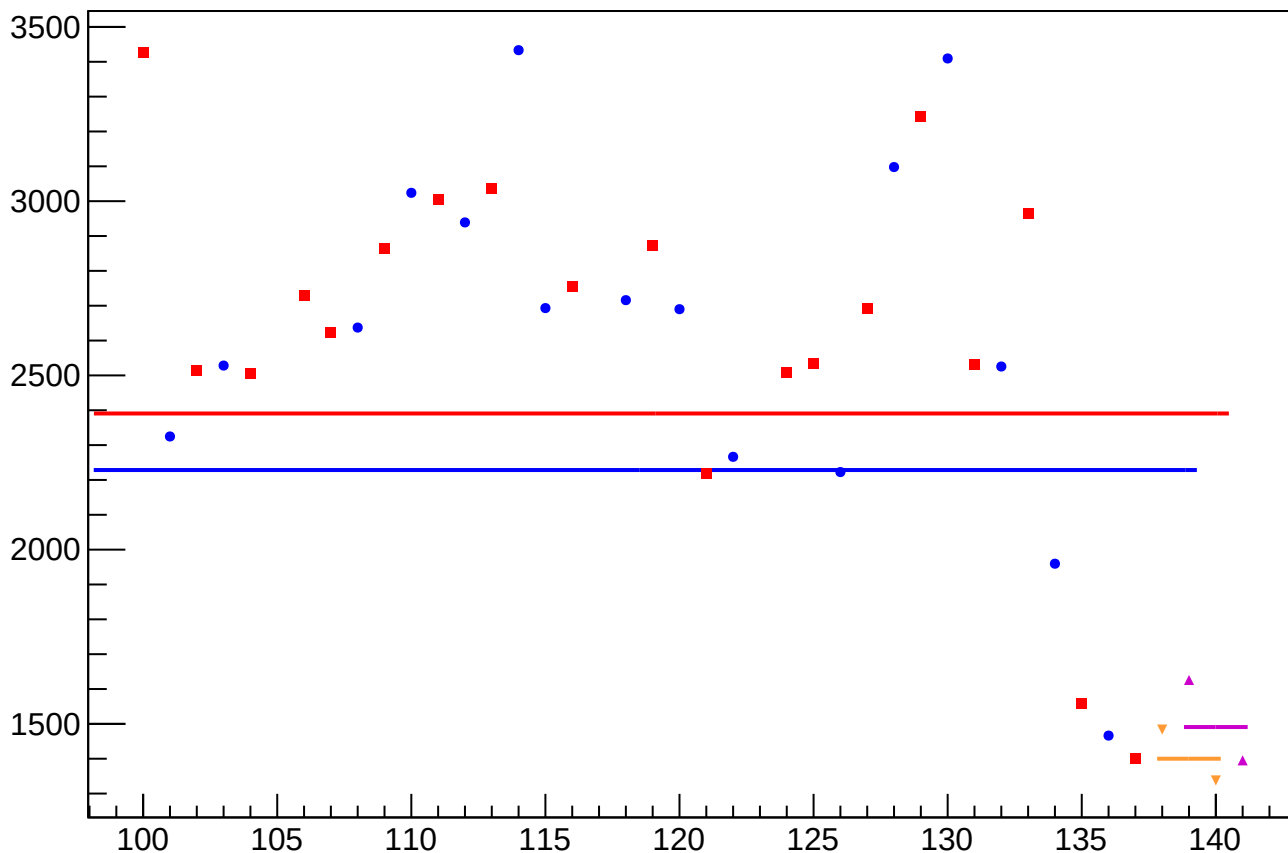
Left In: -446.907 $\pm$ 1137.847 χ^2 /NDF:0.2/1

+ sign -1396.674 $\pm$ 678.348 χ^2 /NDF: 22.5/17

All: -960.277 $\pm$ 489.431 χ^2 /NDF: 37.9/38

- sign -486.435 $\pm$ 706.852 χ^2 /NDF: 14.5/20

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF : 947659.2/15

Left Out: 1400.033+/-0.782 χ^2/NDF : 8530.8/1

Right Out: 2390.731+/-0.638 χ^2/NDF : 790004.4/18

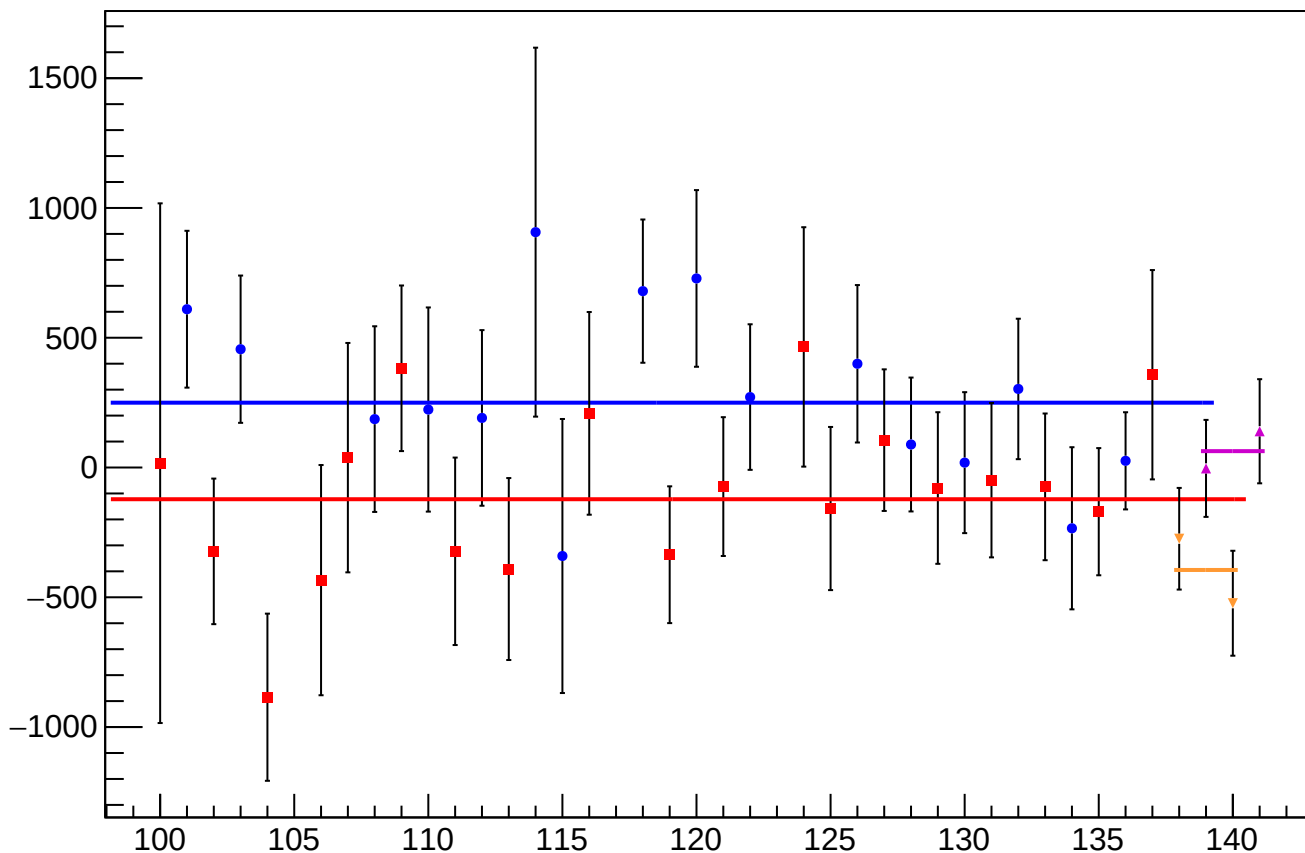
Left In: 1490.924+/-0.805 χ^2/NDF : 19945.9/1

+ sign 1916.532+/-0.480 χ^2/NDF : 1656378.3/17

All: 1977.396+/-0.346 χ^2/NDF : 3267965.0/38

- sign 2043.484+/-0.500 χ^2/NDF : 1578002.6/20

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 ± 74.877 χ^2/NDF : 13.8/15

Left Out: -394.786 ± 140.657 χ^2/NDF : 0.8/1

Right Out: -122.210 ± 74.380 χ^2/NDF : 15.5/18

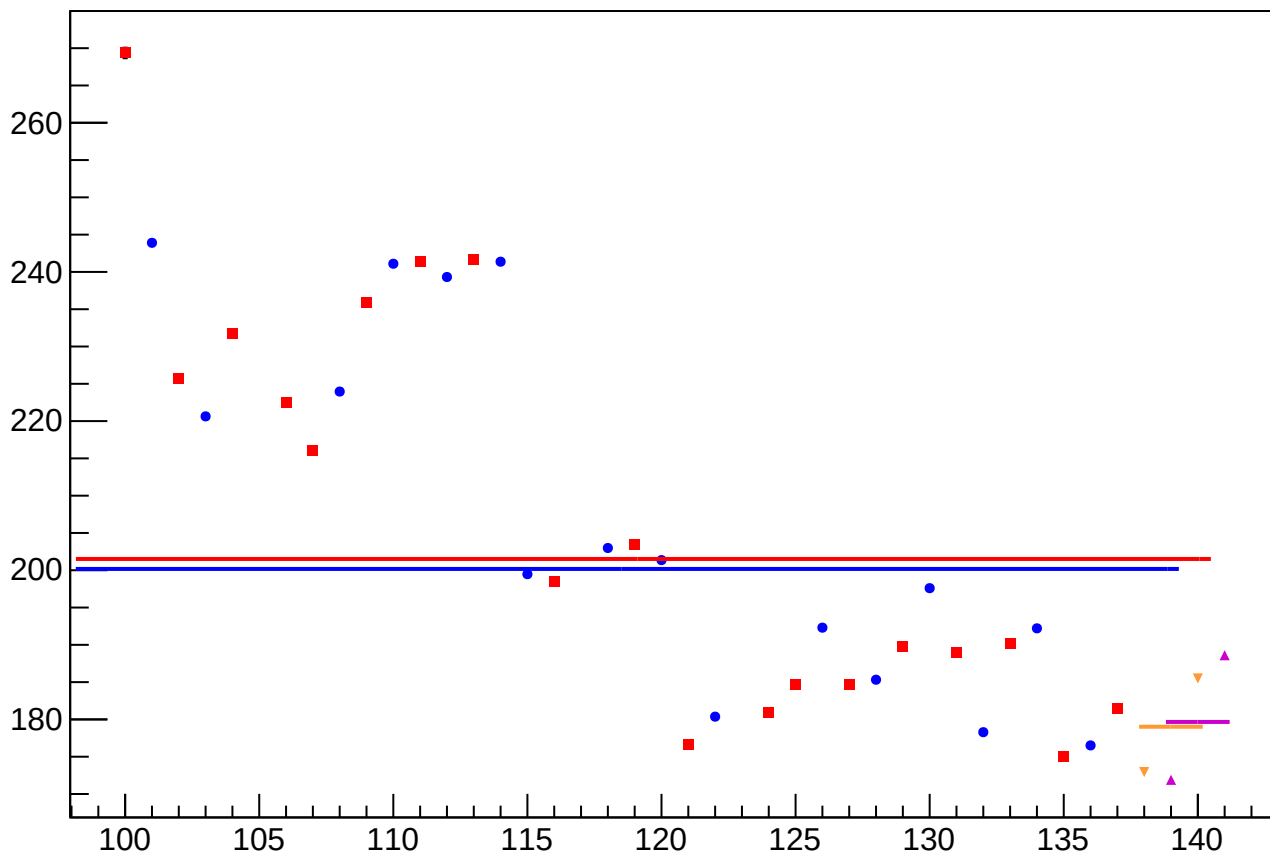
Left In: 63.056 ± 136.725 χ^2/NDF : 0.3/1

+ sign 107.441 ± 66.095 χ^2/NDF : 30.9/17

All: 12.689 ± 46.466 χ^2/NDF : 52.1/38

- sign -79.902 ± 65.338 χ^2/NDF : 17.2/20

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

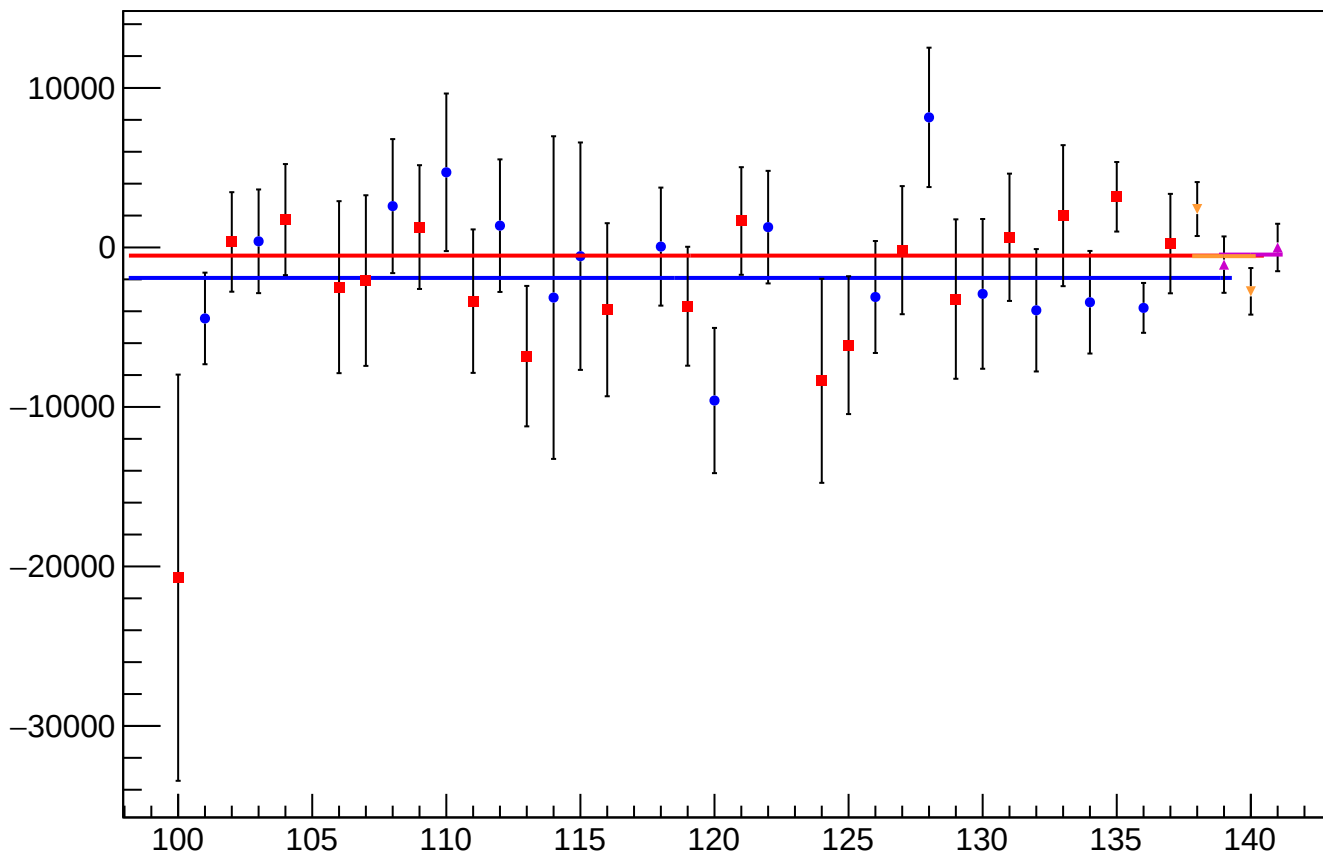
Left In: 179.662 $\pm$ 0.097 χ^2 /NDF:7424.9/1

+ sign 195.505 $\pm$ 0.047 χ^2 /NDF: 220233.6/17

All: 196.020 $\pm$ 0.033 χ^2 /NDF: 462753.6/38

- sign 196.524 $\pm$ 0.046 χ^2 /NDF: 242279.7/20

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

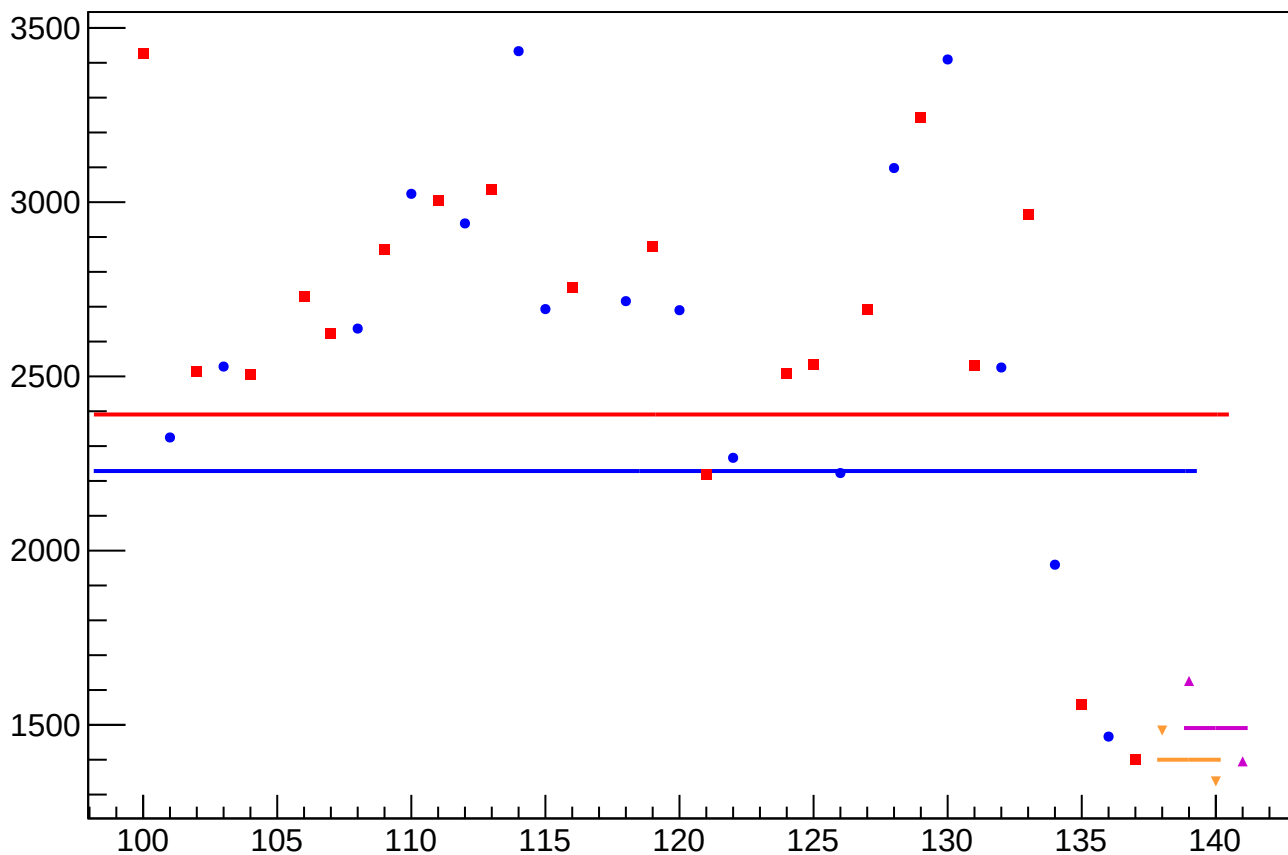
Left In: -446.907 $\pm$ 1137.847 χ^2 /NDF:0.2/1

+ sign -1396.674 $\pm$ 678.348 χ^2 /NDF: 22.5/17

All: -960.277 $\pm$ 489.431 χ^2 /NDF: 37.9/38

- sign -486.435 $\pm$ 706.852 χ^2 /NDF: 14.5/20

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF : 947659.2/15

Left Out: 1400.033+/-0.782 χ^2/NDF : 8530.8/1

Right Out: 2390.731+/-0.638 χ^2/NDF : 790004.4/18

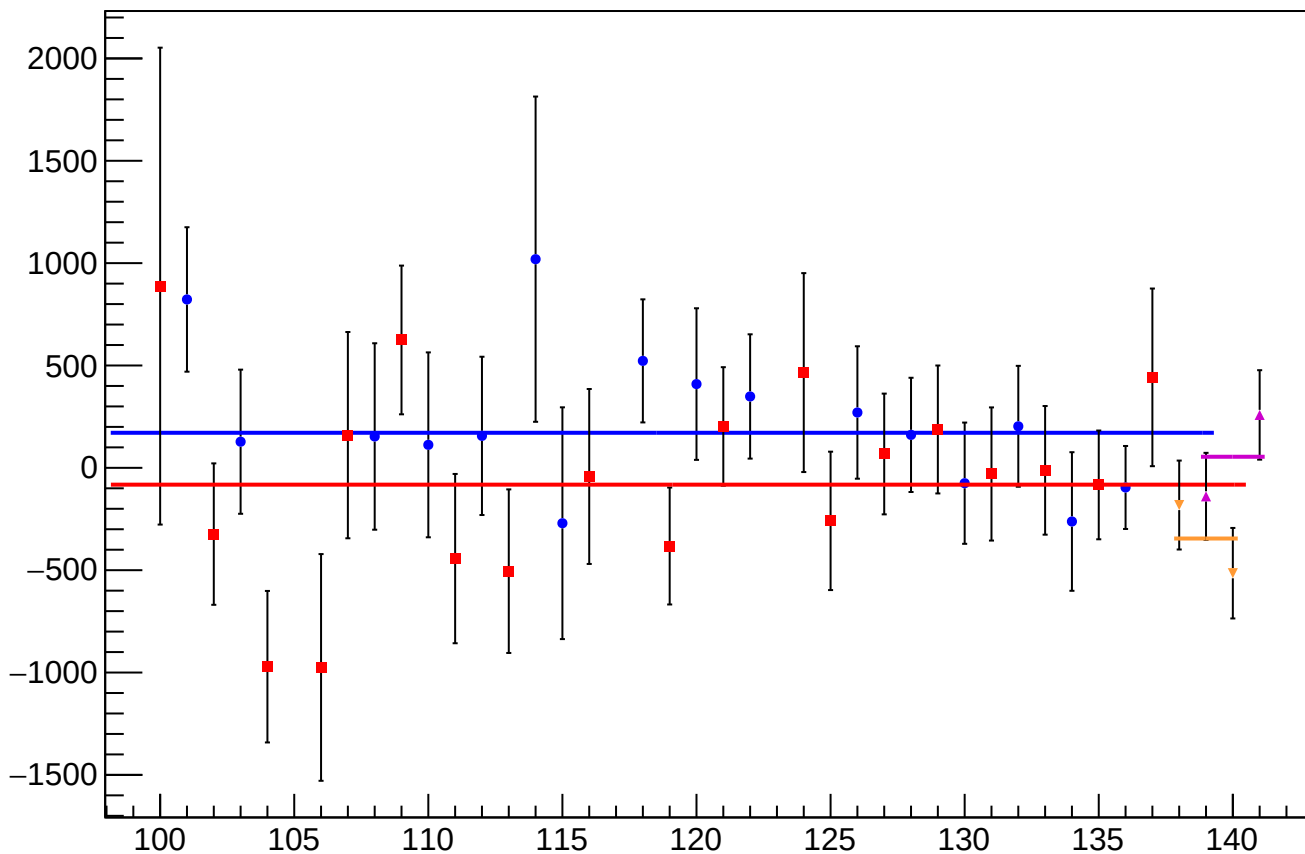
Left In: 1490.924+/-0.805 χ^2/NDF : 19945.9/1

+ sign 1916.532+/-0.480 χ^2/NDF : 1656378.3/17

All: 1977.396+/-0.346 χ^2/NDF : 3267965.0/38

- sign 2043.484+/-0.500 χ^2/NDF : 1578002.6/20

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

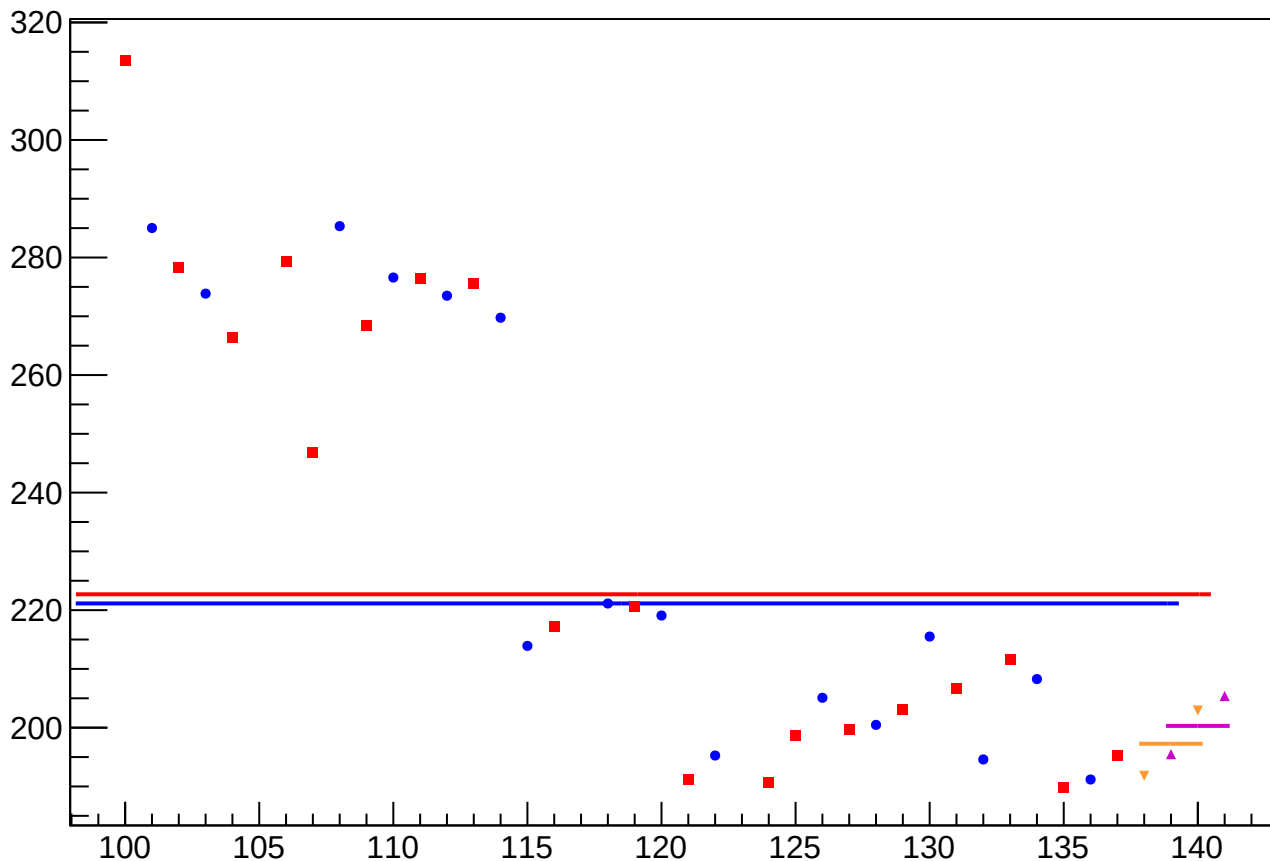
Left In: 54.146 $\pm$ 152.316 χ^2 /NDF:1.7/1

+ sign 55.840 $\pm$ 73.244 χ^2 /NDF: 21.3/17

All: 1.823 $\pm$ 51.552 χ^2 /NDF: 46.3/38

- sign -51.210 $\pm$ 72.573 χ^2 /NDF: 23.9/20

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

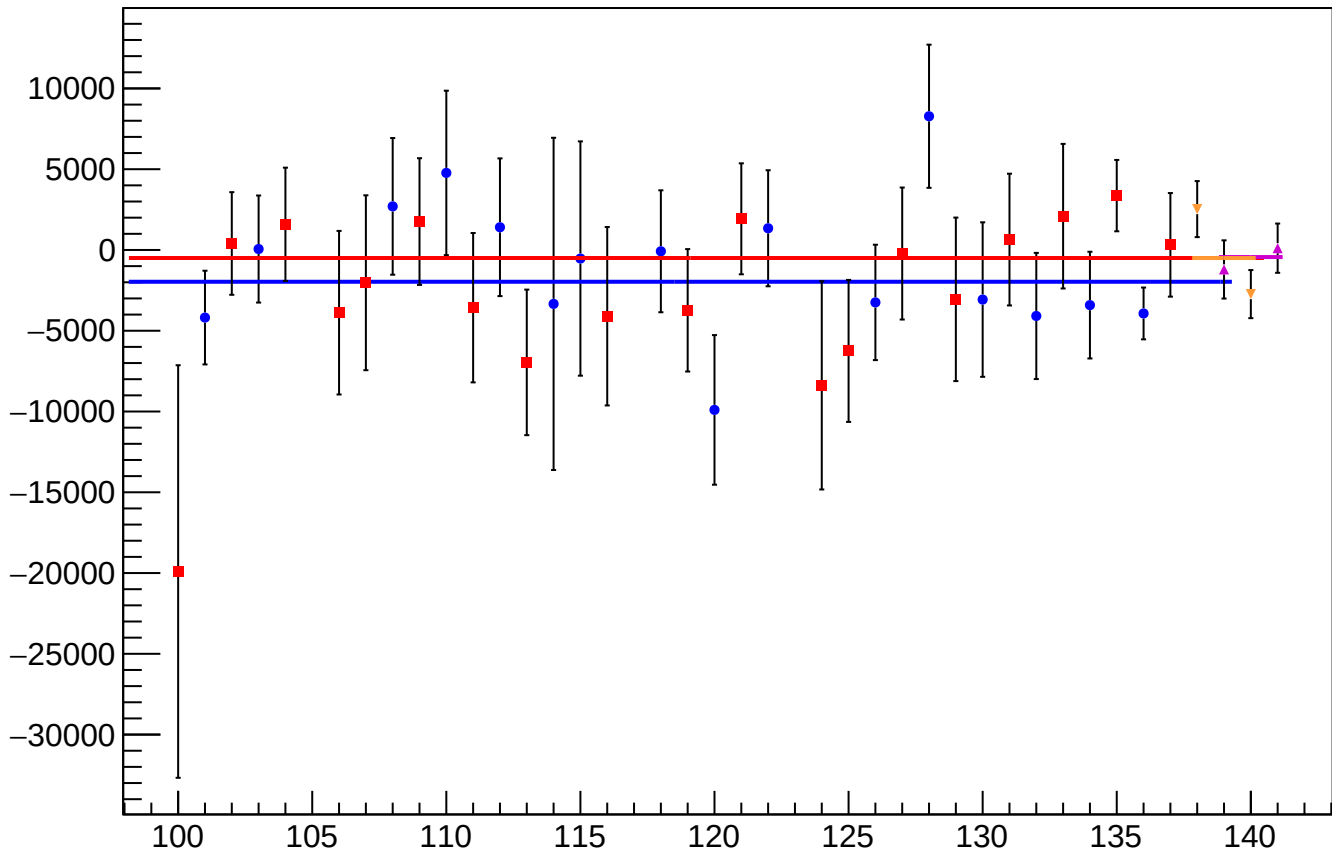
Left In: 200.306 $\pm$ 0.108 χ^2 /NDF:2110.1/1

+ sign 215.805 $\pm$ 0.052 χ^2 /NDF: 358144.4/17

All: 216.718 $\pm$ 0.036 χ^2 /NDF: 721313.2/38

- sign 217.614 $\pm$ 0.051 χ^2 /NDF: 362553.1/20

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

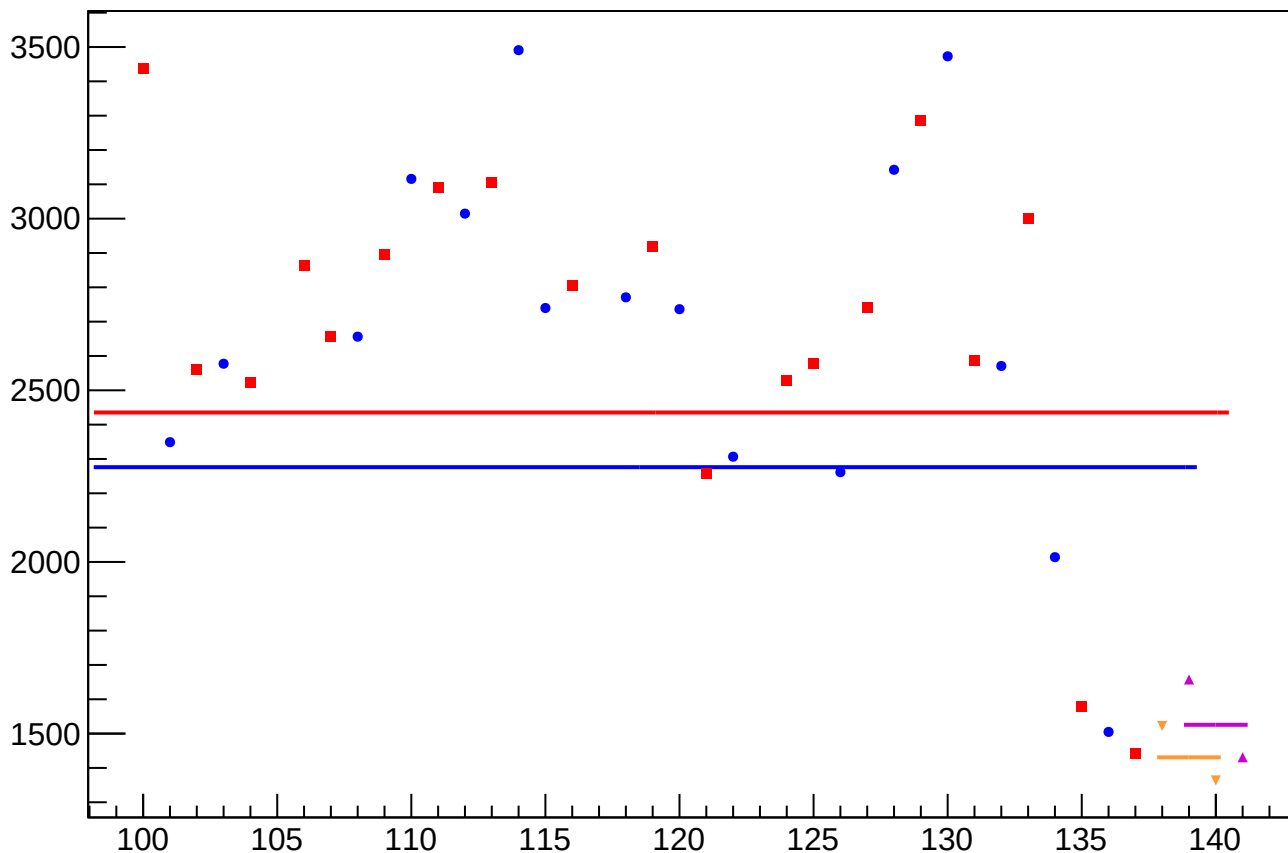
Left In: -437.966 $\pm$ 1163.882 χ^2 /NDF:0.3/1

+ sign -1415.377 $\pm$ 692.496 χ^2 /NDF: 22.5/17

All: -962.798 $\pm$ 498.845 χ^2 /NDF: 38.5/38

- sign -474.632 $\pm$ 719.208 χ^2 /NDF: 15.1/20

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2 /NDF: 926982.8/15

Left Out: 1430.883+/-0.799 χ^2 /NDF: 9640.1/1

Right Out: 2435.354+/-0.647 χ^2 /NDF: 791515.5/18

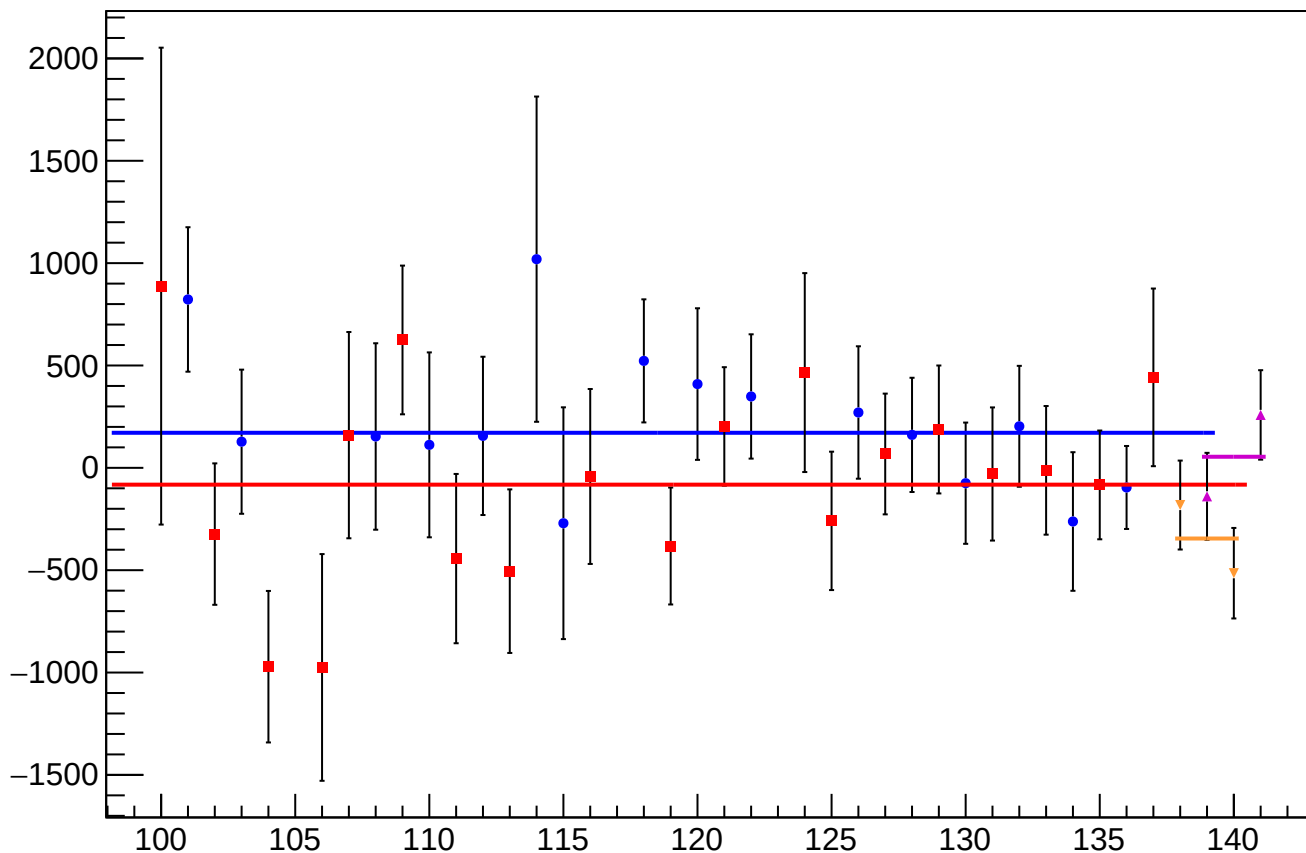
Left In: 1525.594+/-0.823 χ^2 /NDF: 18429.3/1

+ sign 1958.366+/-0.490 χ^2 /NDF: 1635683.1/17

All: 2020.713+/-0.353 χ^2 /NDF: 3234700.2/38

- sign 2087.964+/-0.509 χ^2 /NDF: 1565318.1/20

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

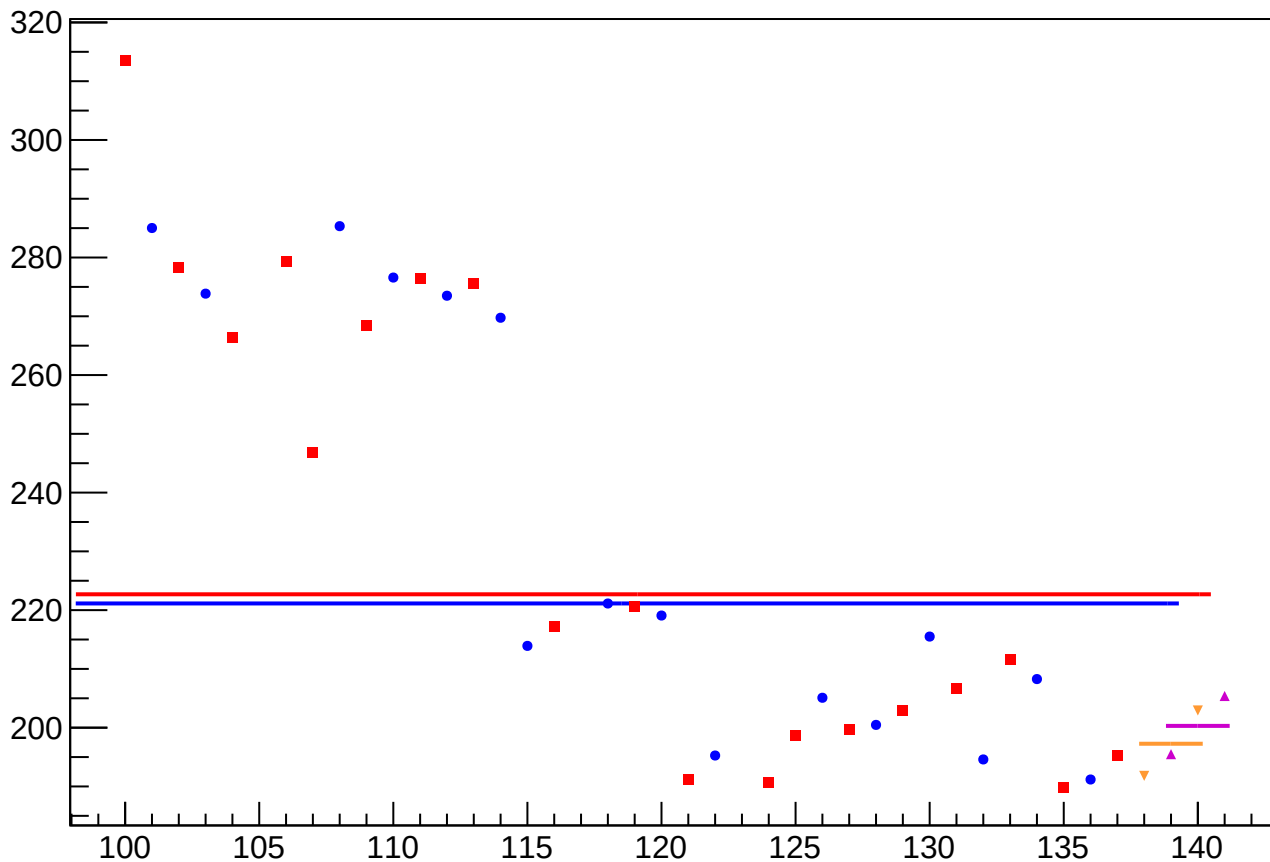
Left In: 54.146 $\pm$ 152.316 χ^2 /NDF:1.7/1

+ sign 55.841 $\pm$ 73.243 χ^2 /NDF: 21.3/17

All: 1.824 $\pm$ 51.552 χ^2 /NDF: 46.3/38

- sign -51.209 $\pm$ 72.573 χ^2 /NDF: 23.9/20

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

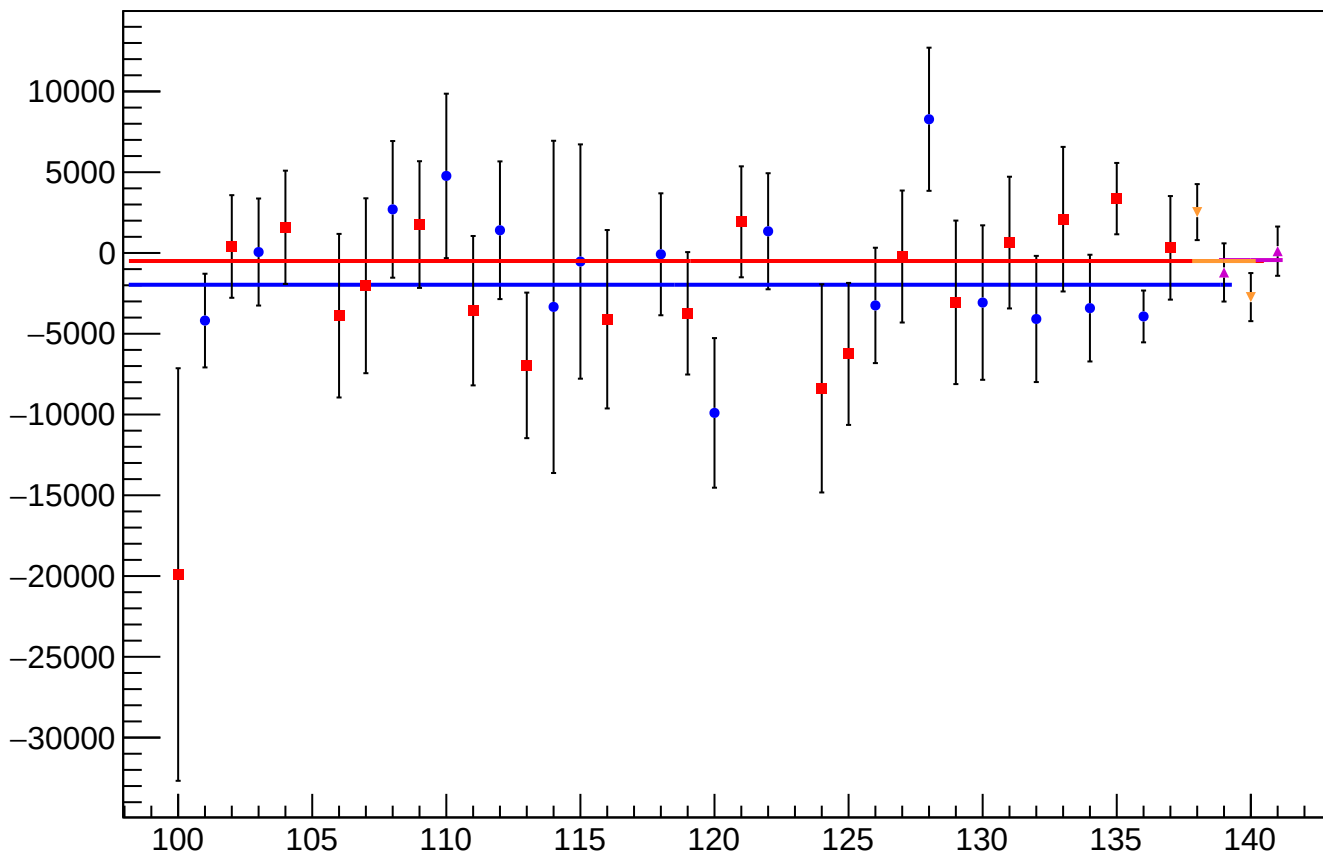
Left In: 200.305 $\pm$ 0.108 χ^2 /NDF:2110.3/1

+ sign 215.804 $\pm$ 0.052 χ^2 /NDF: 358136.9/17

All: 216.717 $\pm$ 0.036 χ^2 /NDF: 721297.4/38

- sign 217.613 $\pm$ 0.051 χ^2 /NDF: 362544.7/20

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

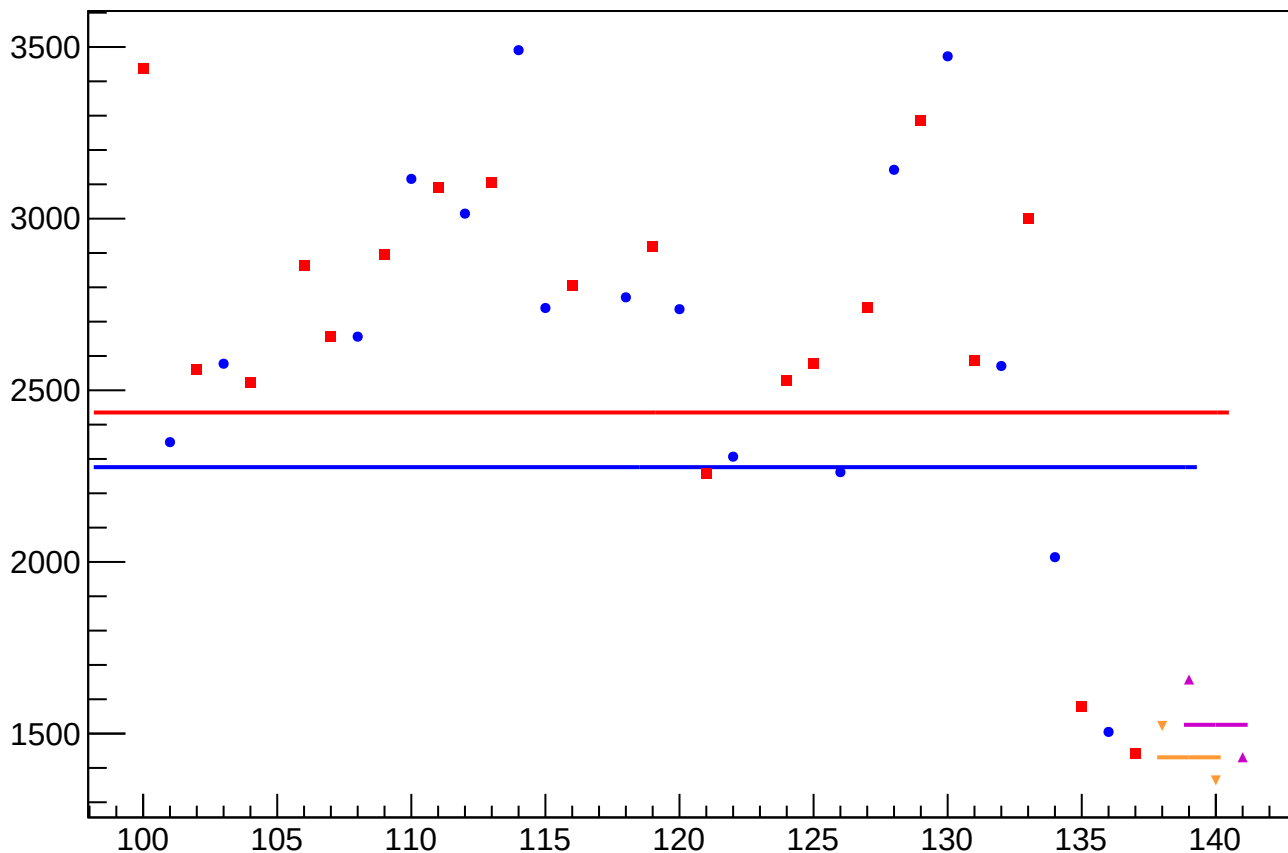
Left In: -437.967+/-1163.881 χ^2/NDF : 0.3/1

+ sign -1415.375+/-692.495 χ^2/NDF : 22.5/17

All: -962.798+/-498.844 χ^2/NDF : 38.5/38

- sign -474.633+/-719.206 χ^2/NDF : 15.1/20

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132 $\pm$ 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

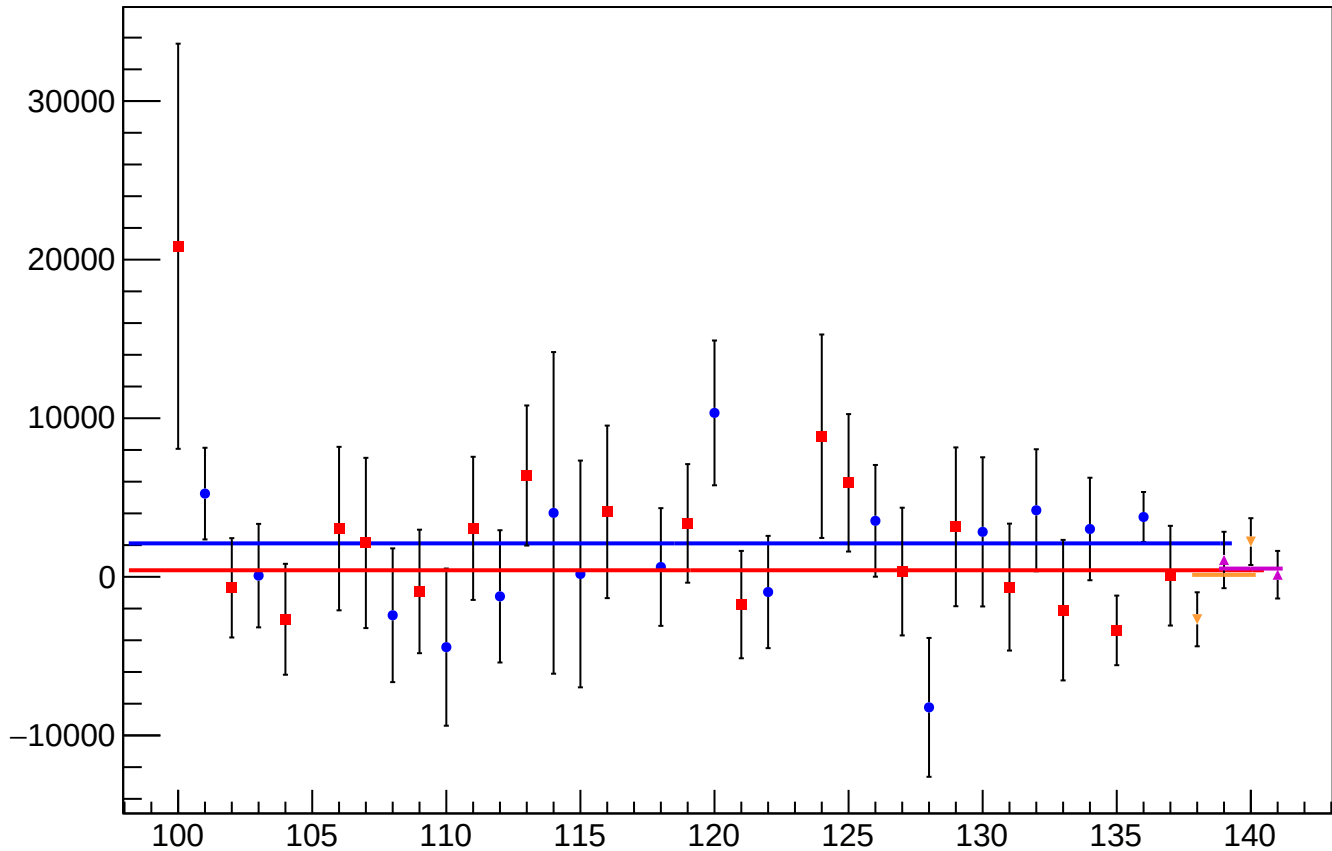
Left In: 1525.592 $\pm$ 0.823 χ^2 /NDF: 18428.8/1

+ sign 1958.364 $\pm$ 0.490 χ^2 /NDF: 1635672.4/17

All: 2020.711 $\pm$ 0.353 χ^2 /NDF: 3234680.8/38

- sign 2087.962 $\pm$ 0.509 χ^2 /NDF: 1565309.7/20

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

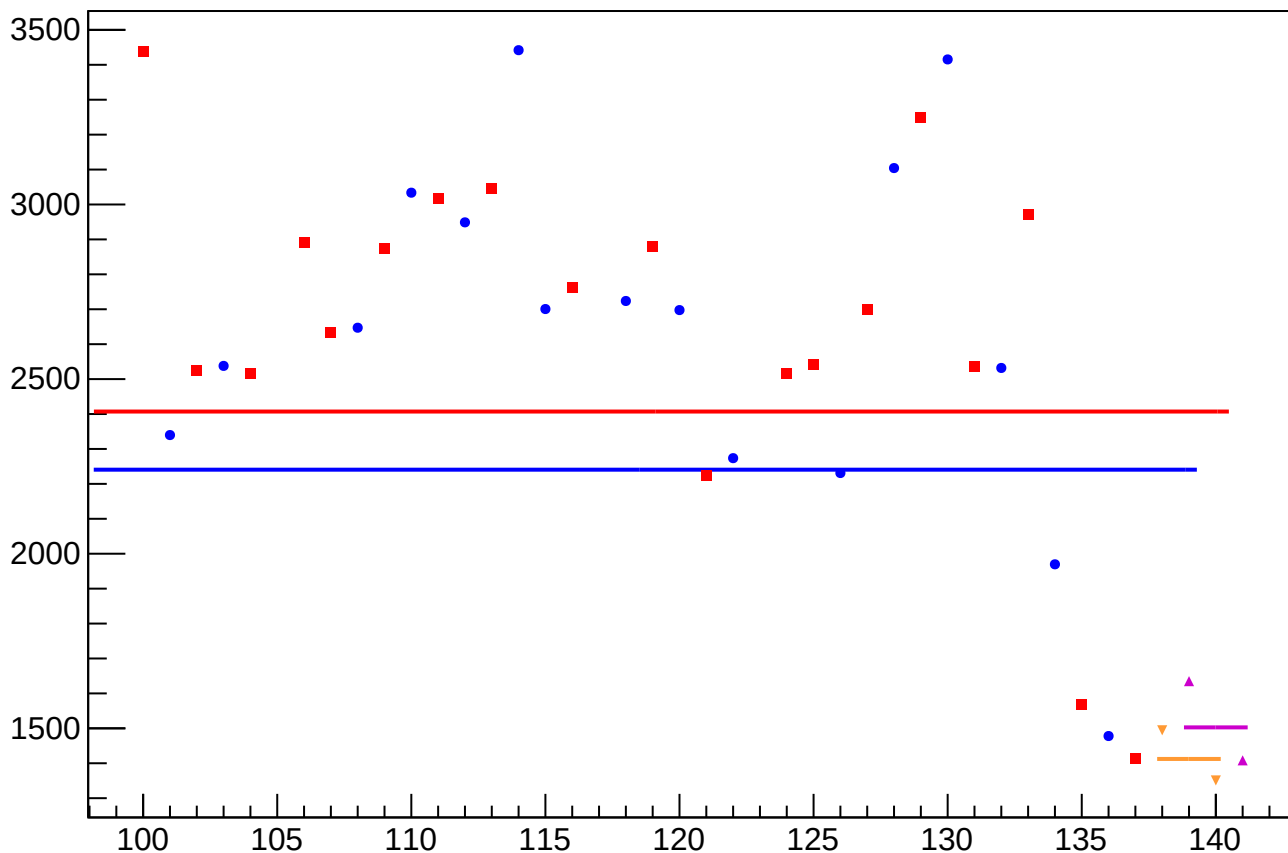
Left In: 520.206 $\pm$ 1146.641 χ^2 /NDF:0.2/1

+ sign 1364.859 $\pm$ 682.605 χ^2 /NDF: 23.3/17

All: 927.790 $\pm$ 492.111 χ^2 /NDF: 39.0/38

- sign 454.791 $\pm$ 710.108 χ^2 /NDF: 14.8/20

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF : 933590.8/15

Left Out: 1412.336+/-0.788 χ^2/NDF : 8118.8/1

Right Out: 2407.124+/-0.640 χ^2/NDF : 788976.1/18

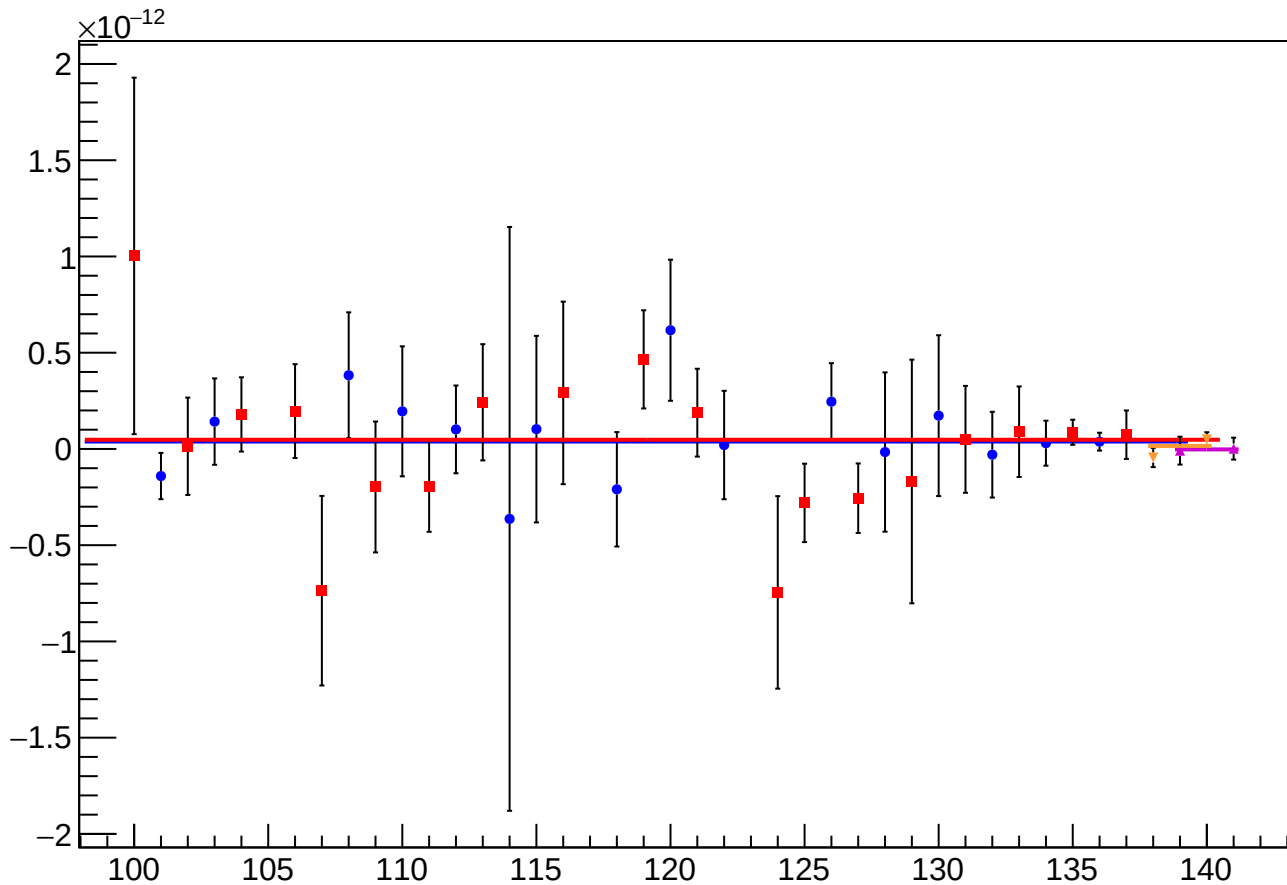
Left In: 1502.719+/-0.811 χ^2/NDF : 19000.6/1

+ sign 1930.190+/-0.483 χ^2/NDF : 1631744.2/17

All: 1992.658+/-0.348 χ^2/NDF : 3241634.9/38

- sign 2060.261+/-0.502 χ^2/NDF : 1575014.3/20

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

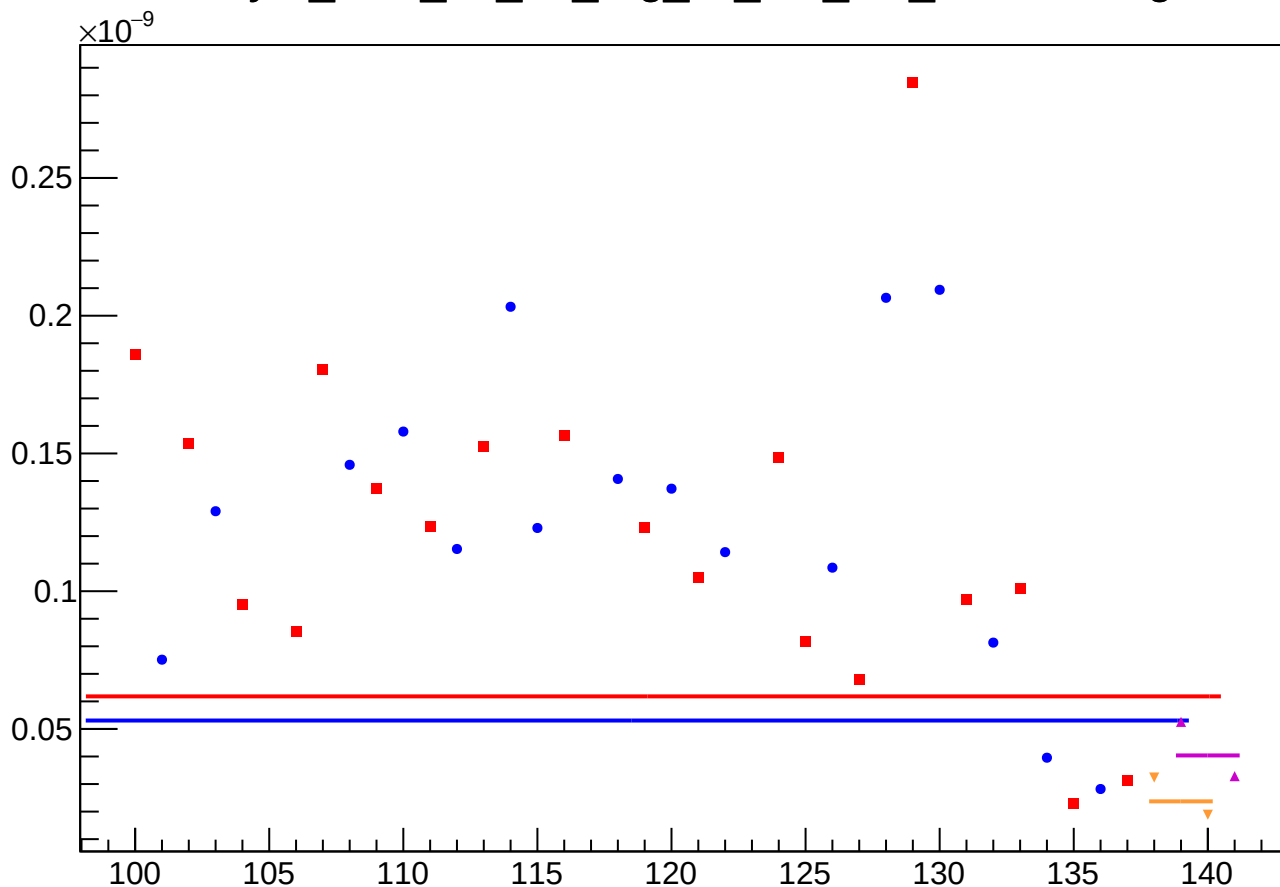
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/20

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

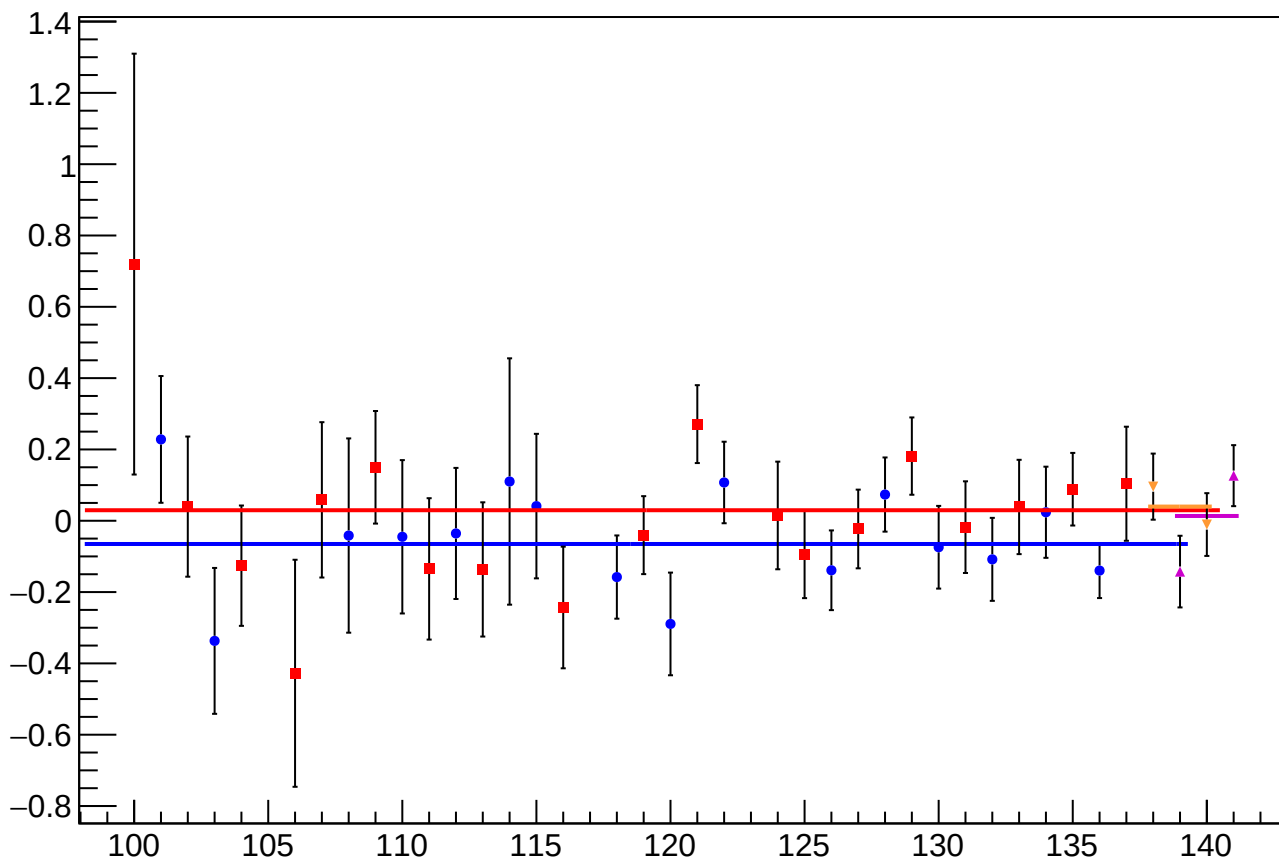
Left In: 0.000+/-0.000 χ^2/NDF :91801.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3445208.0/17

All: 0.000+/-0.000 χ^2/NDF : 6524297.0/38

- sign 0.000+/-0.000 χ^2/NDF : 2745323.4/20

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065 ± 0.033 χ^2/NDF : 14.2/15

Left Out: 0.040 ± 0.064 χ^2/NDF : 0.7/1

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

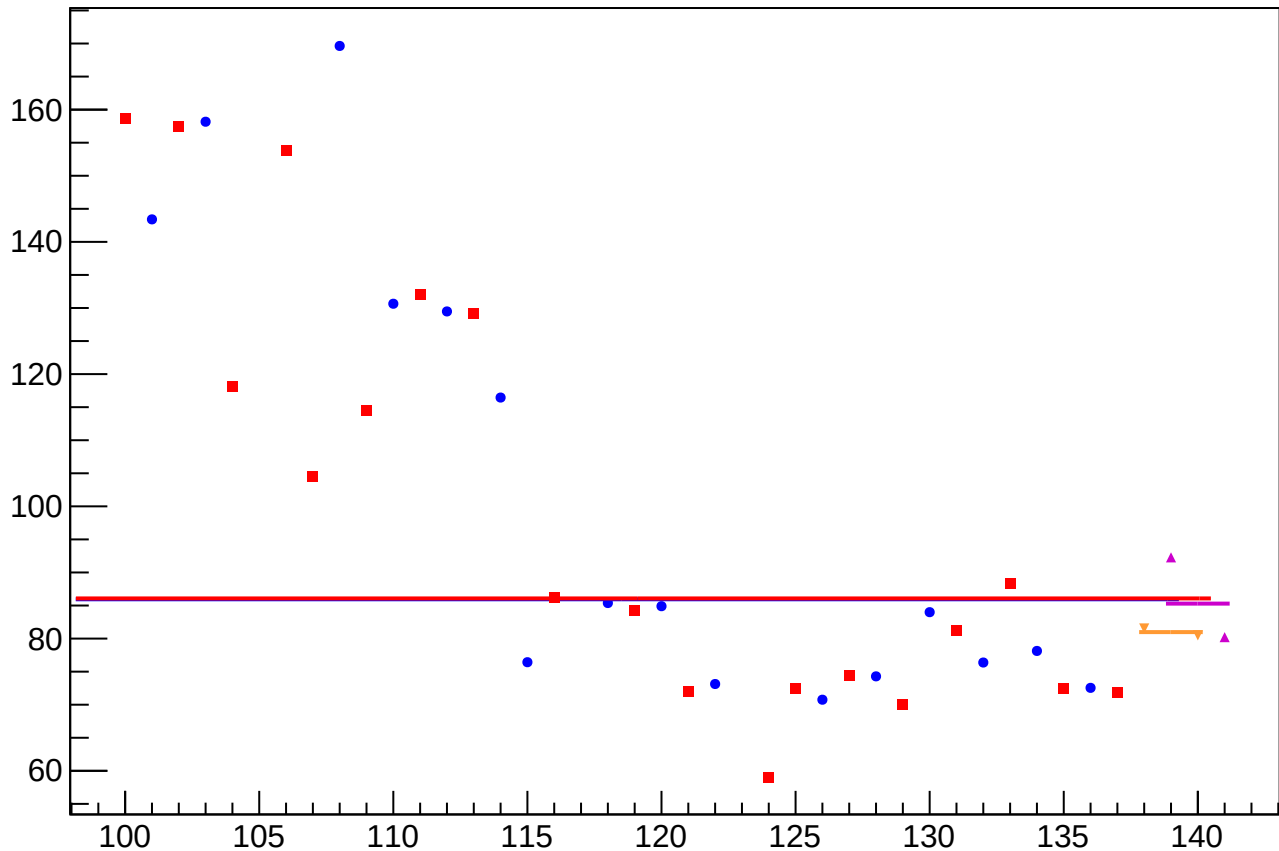
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.043 ± 0.030 χ^2/NDF : 17.0/17

All: -0.008 ± 0.021 χ^2/NDF : 42.0/38

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946 $\pm$ 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

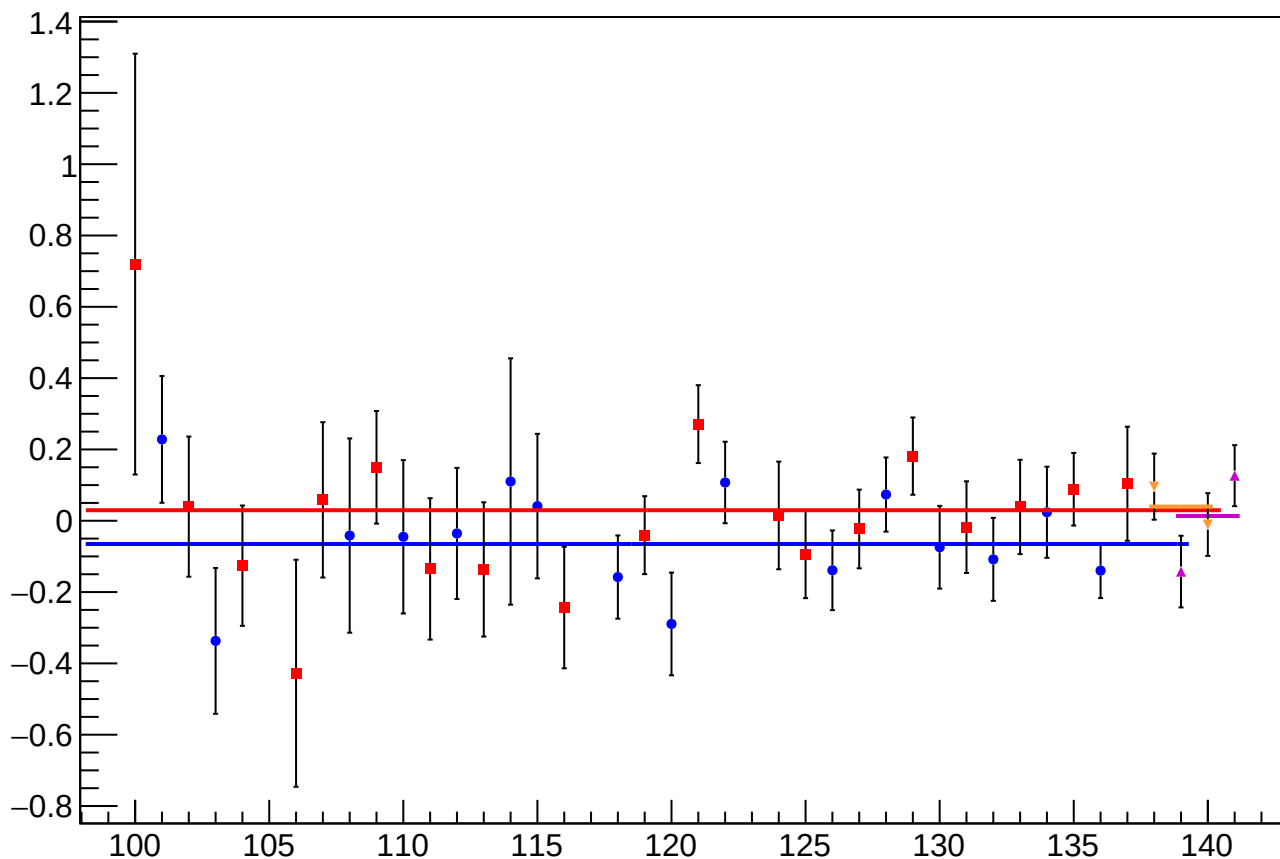
Left In: 85.290 $\pm$ 0.046 χ^2 /NDF:16726.1/1

+ sign 84.883 $\pm$ 0.021 χ^2 /NDF: 1044652.9/17

All: 85.400 $\pm$ 0.015 χ^2 /NDF: 2054202.9/38

- sign 85.913 $\pm$ 0.021 χ^2 /NDF: 1008327.5/20

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

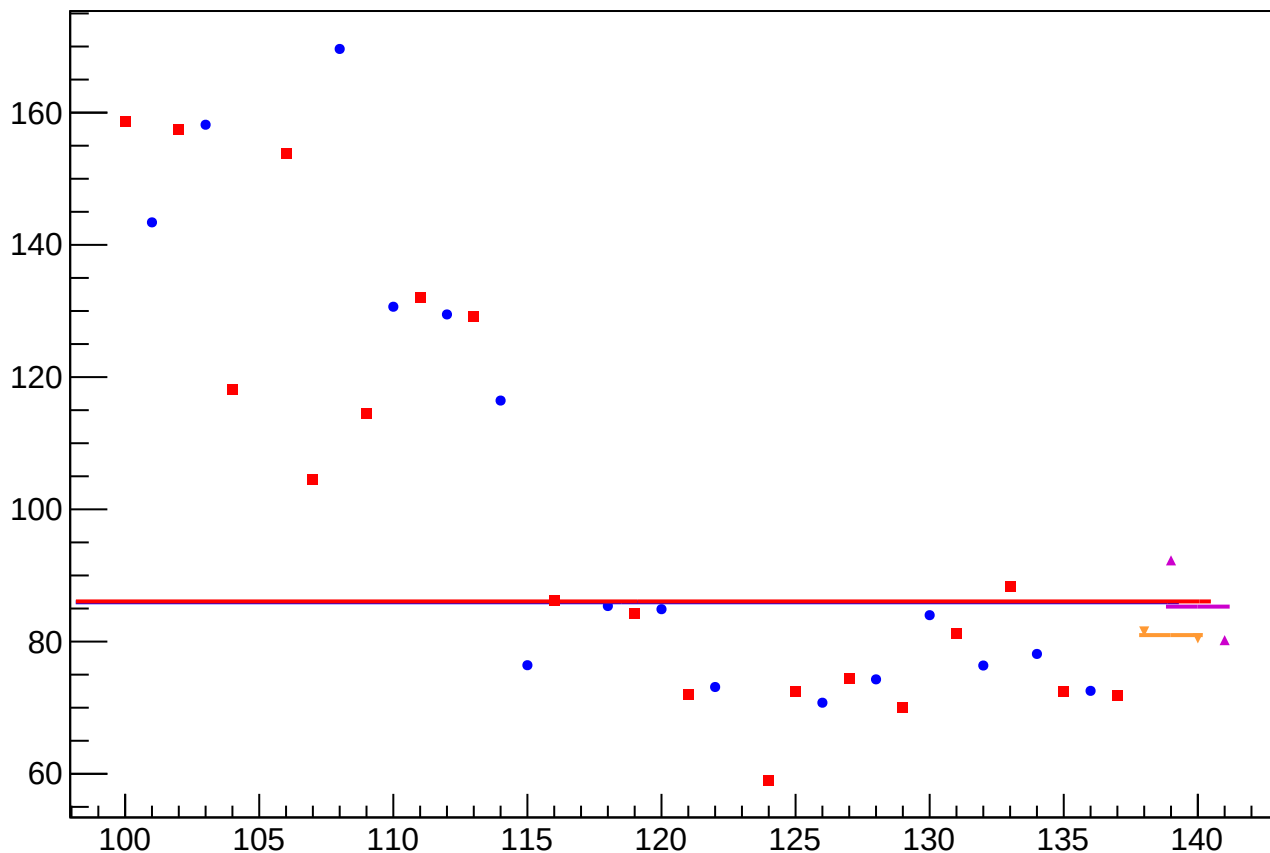
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.043 ± 0.030 χ^2/NDF : 17.0/17

All: -0.008 ± 0.021 χ^2/NDF : 42.0/38

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

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

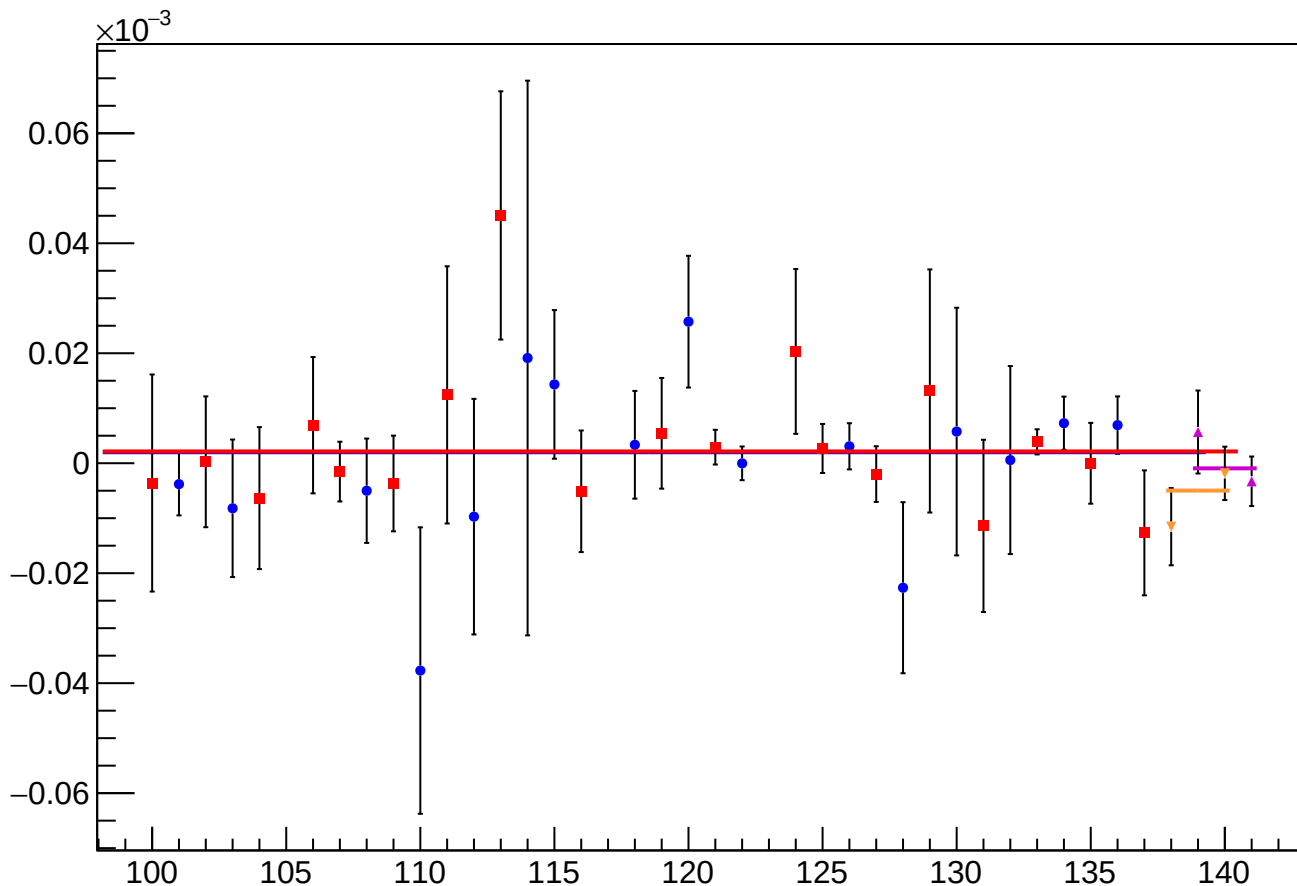
Left In: 85.290 $\pm$ 0.046 χ^2 /NDF:16726.1/1

+ sign 84.883 $\pm$ 0.021 χ^2 /NDF: 1044652.9/17

All: 85.400 $\pm$ 0.015 χ^2 /NDF: 2054202.9/38

- sign 85.913 $\pm$ 0.021 χ^2 /NDF: 1008327.5/20

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

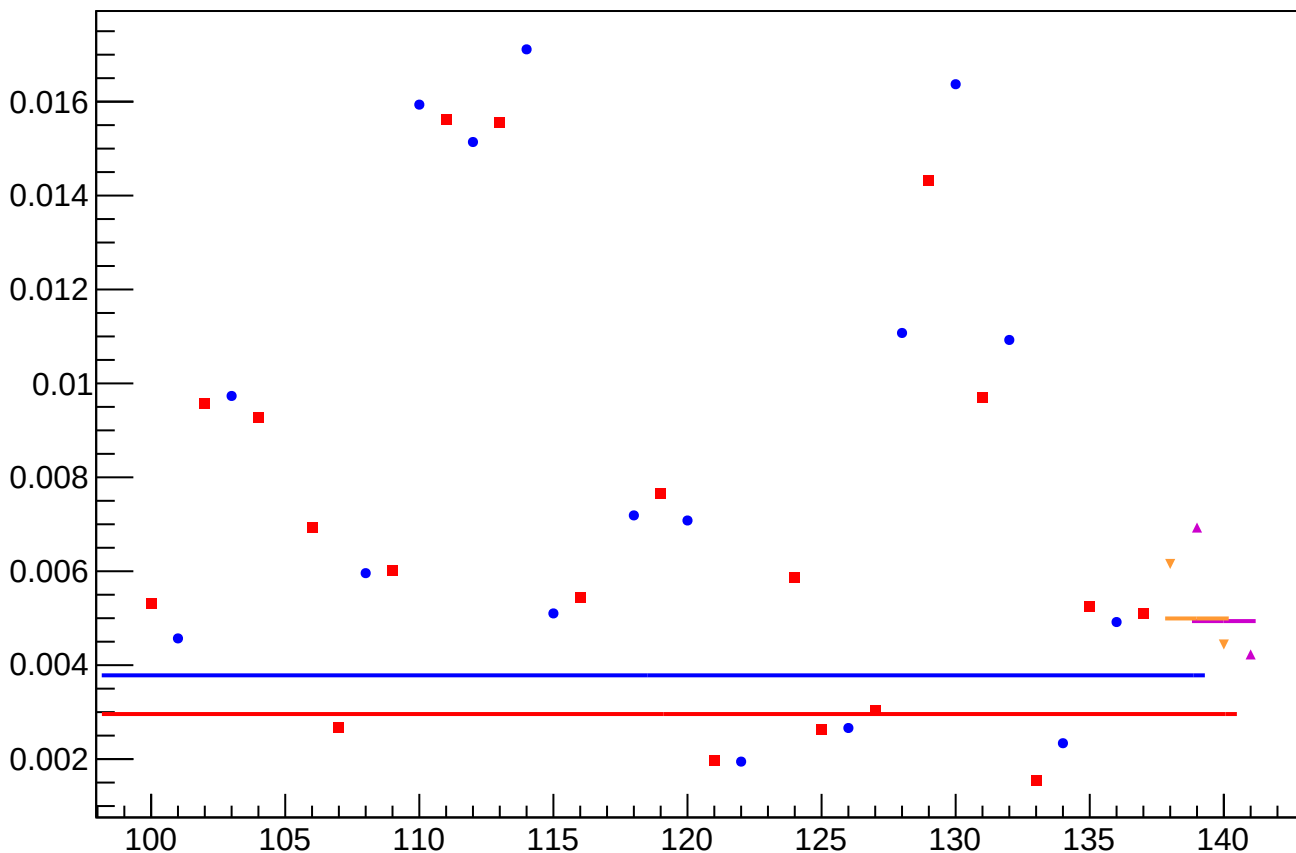
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/20

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 4694299.9/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:80813.3/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5548113.4/18

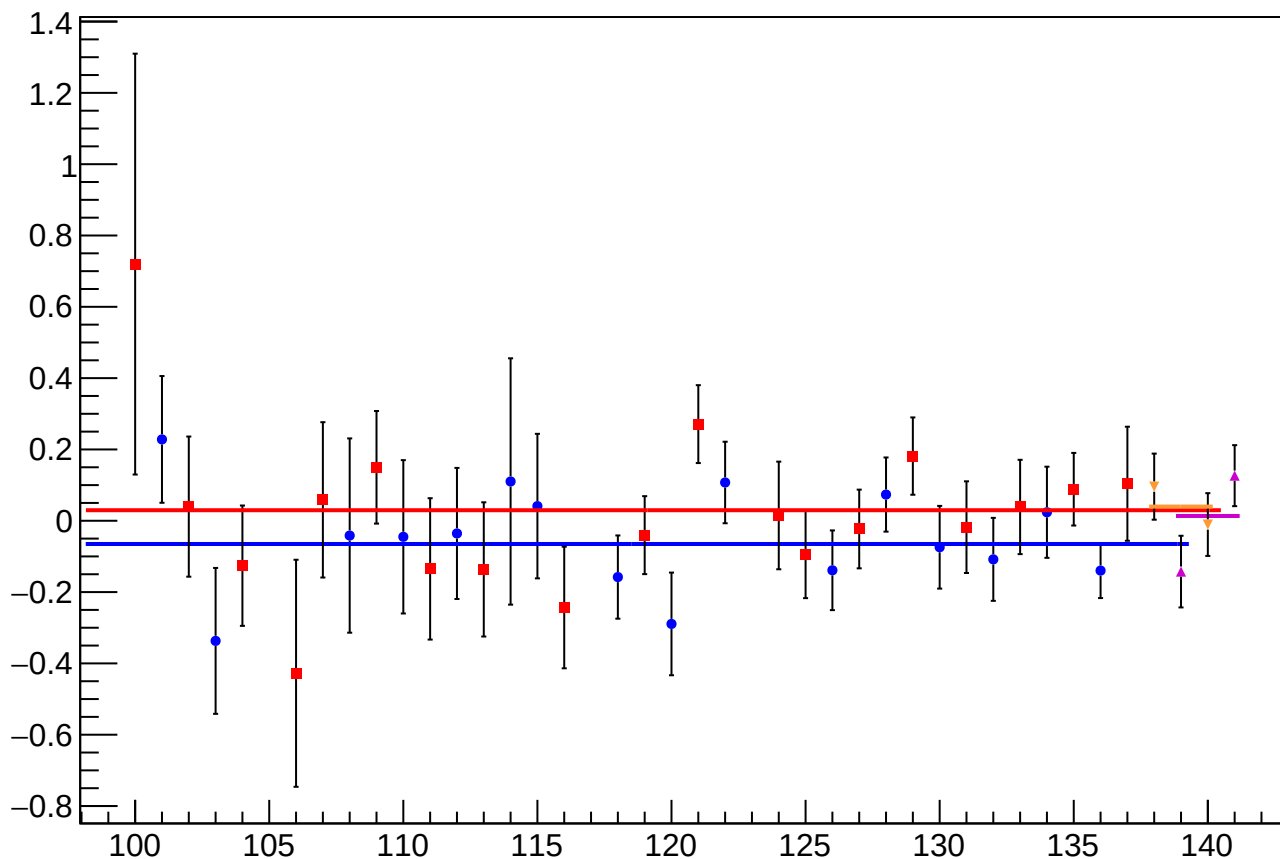
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:189045.8/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4929708.3/17

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 11419455.1/38

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6200116.7/20

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065 ± 0.033 $\chi^2/\text{NDF}: 14.2/15$

Left Out: 0.040 ± 0.064 $\chi^2/\text{NDF}: 0.7/1$

Right Out: 0.030 ± 0.033 $\chi^2/\text{NDF}: 18.1/18$

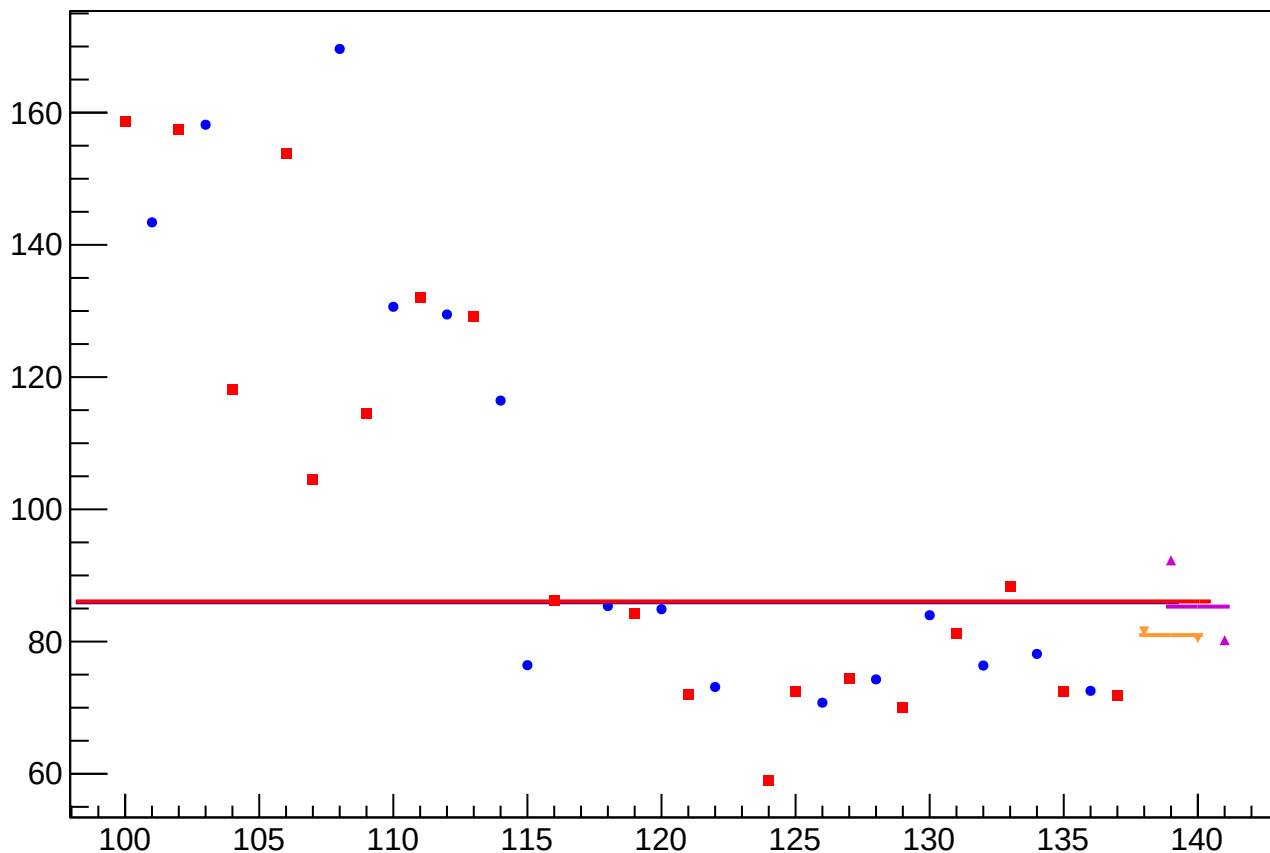
Left In: 0.013 ± 0.065 $\chi^2/\text{NDF}: 4.2/1$

+ sign -0.043 ± 0.030 $\chi^2/\text{NDF}: 17.0/17$

All: -0.008 ± 0.021 $\chi^2/\text{NDF}: 42.0/38$

- sign 0.026 ± 0.029 $\chi^2/\text{NDF}: 22.3/20$

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2 /NDF: 1034986.7/15

Left Out: 80.980+/-0.045 χ^2 /NDF:135.9/1

Right Out: 86.070+/-0.023 χ^2 /NDF: 991365.2/18

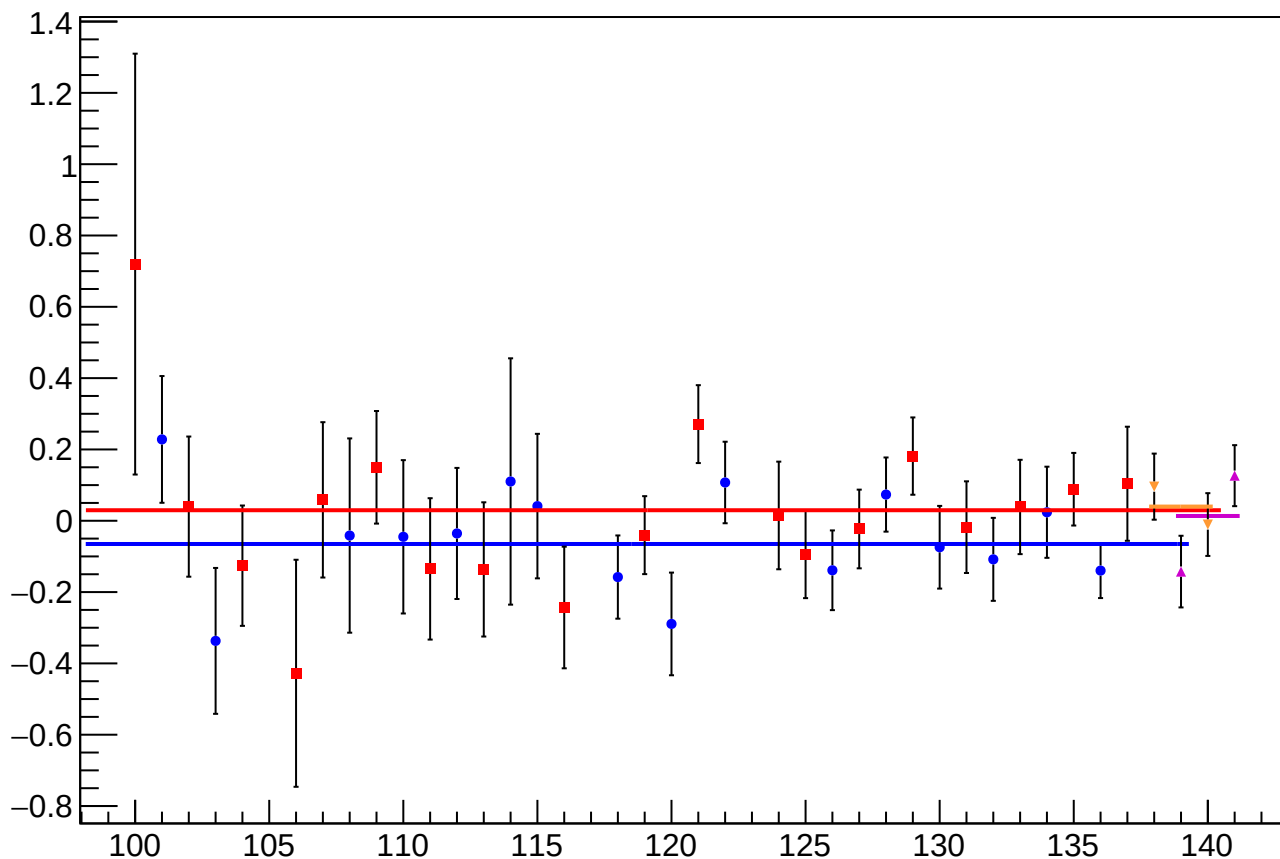
Left In: 85.289+/-0.046 χ^2 /NDF:16724.0/1

+ sign 84.881+/-0.021 χ^2 /NDF: 1044628.3/17

All: 85.398+/-0.015 χ^2 /NDF: 2054169.8/38

- sign 85.911+/-0.021 χ^2 /NDF: 1008318.4/20

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065 ± 0.033 χ^2/NDF : 14.2/15

Left Out: 0.040 ± 0.064 χ^2/NDF : 0.7/1

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

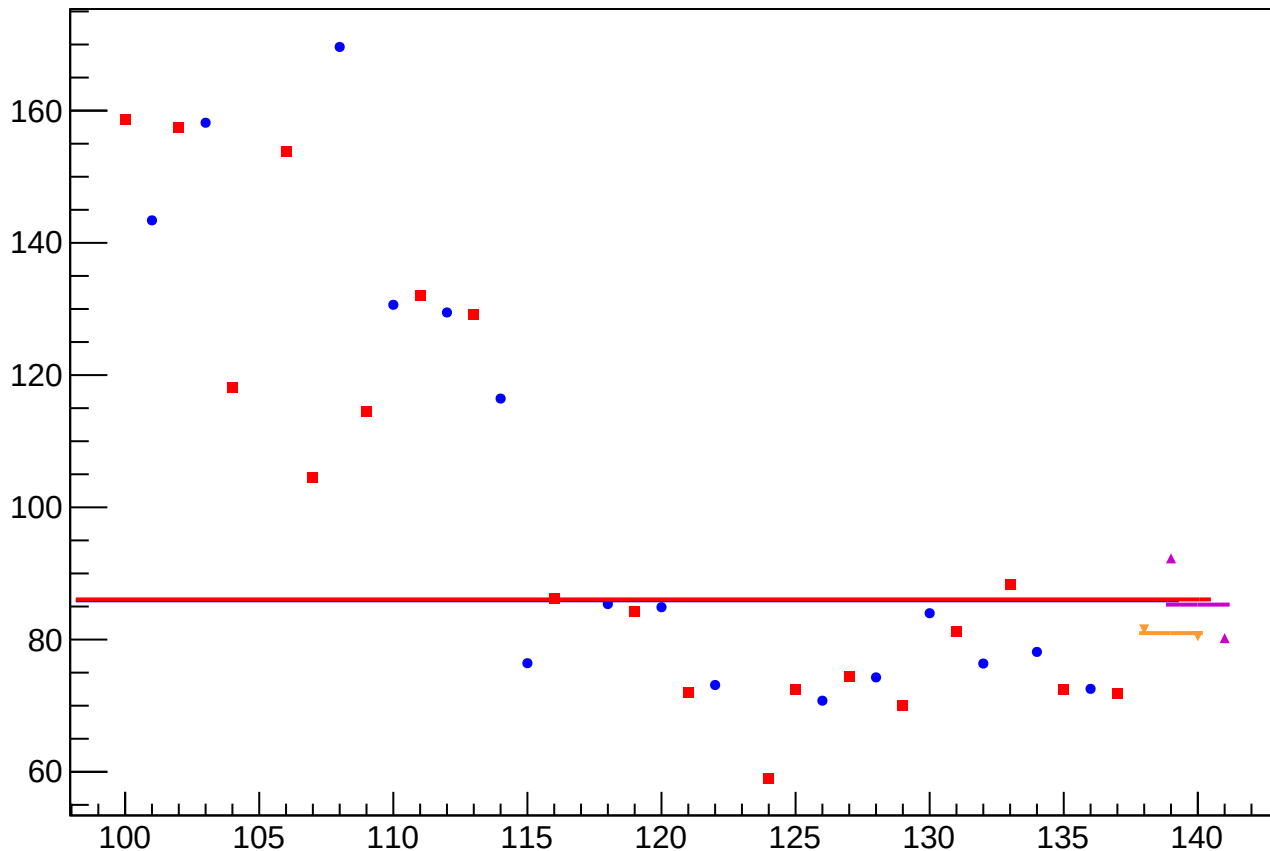
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.043 ± 0.030 χ^2/NDF : 17.0/17

All: -0.008 ± 0.021 χ^2/NDF : 42.0/38

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

asym_sam_26_dd_eigen_dit_vs_eigen_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

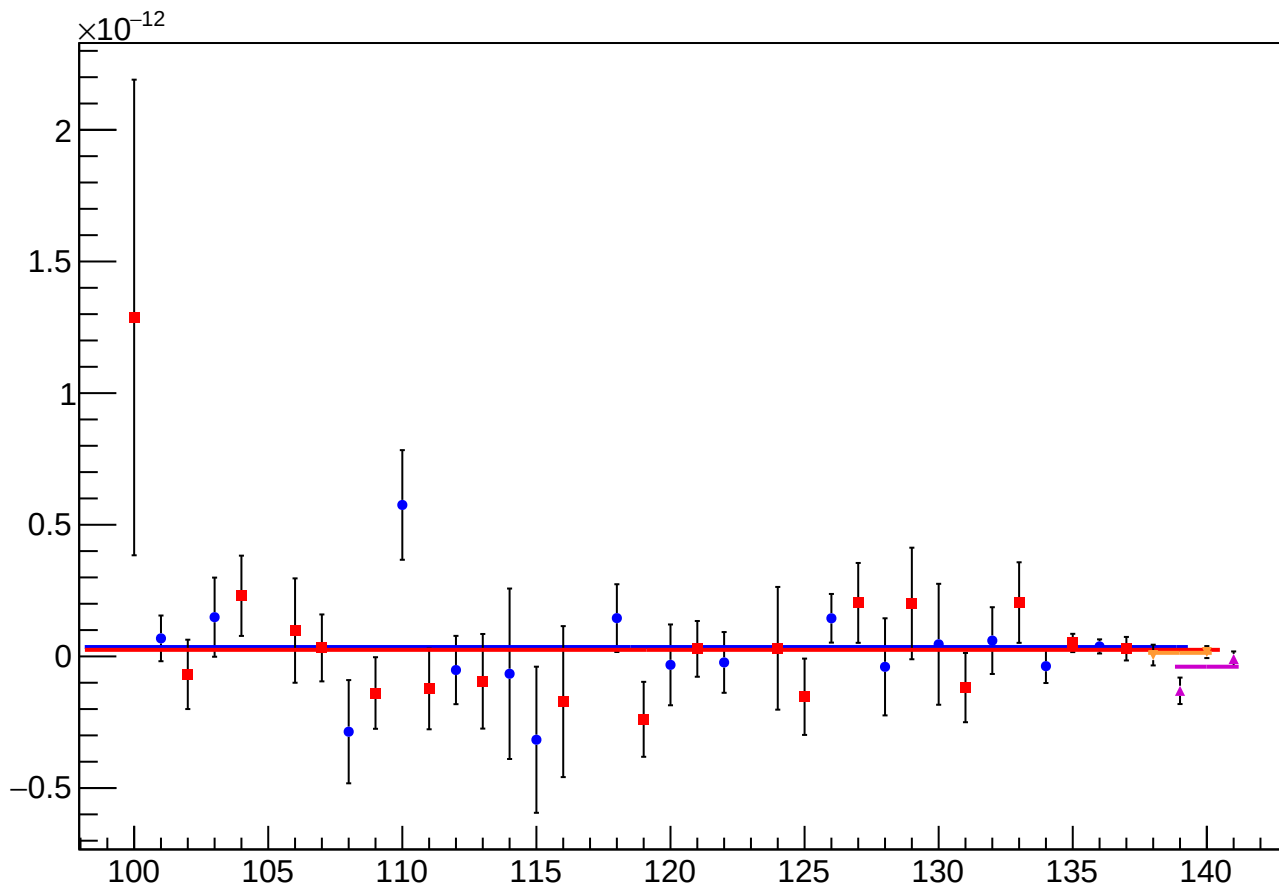
Left In: 85.289 $\pm$ 0.046 χ^2 /NDF:16724.0/1

+ sign 84.881 $\pm$ 0.021 χ^2 /NDF: 1044628.3/17

All: 85.398 $\pm$ 0.015 χ^2 /NDF: 2054169.8/38

- sign 85.911 $\pm$ 0.021 χ^2 /NDF: 1008318.4/20

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

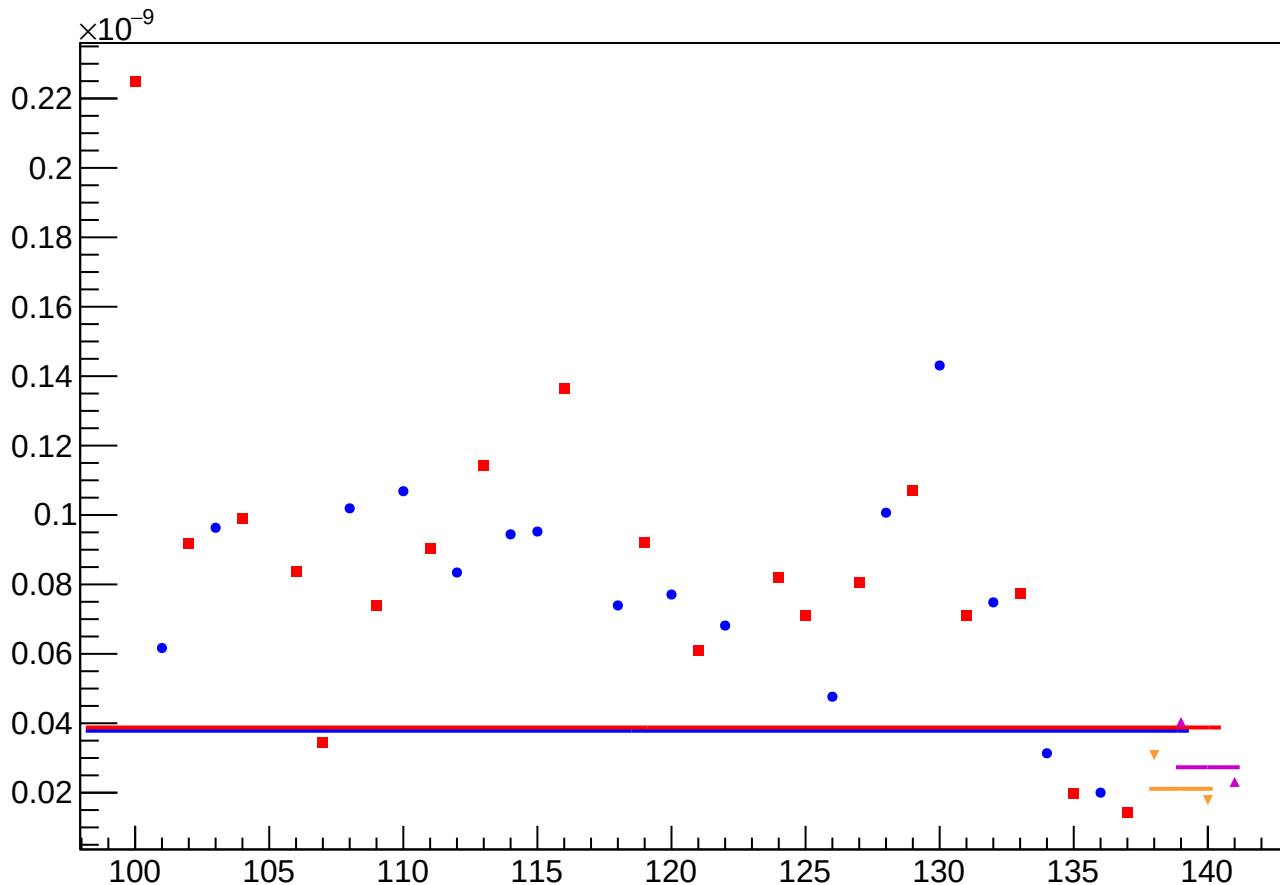
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:4.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.6/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/20

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

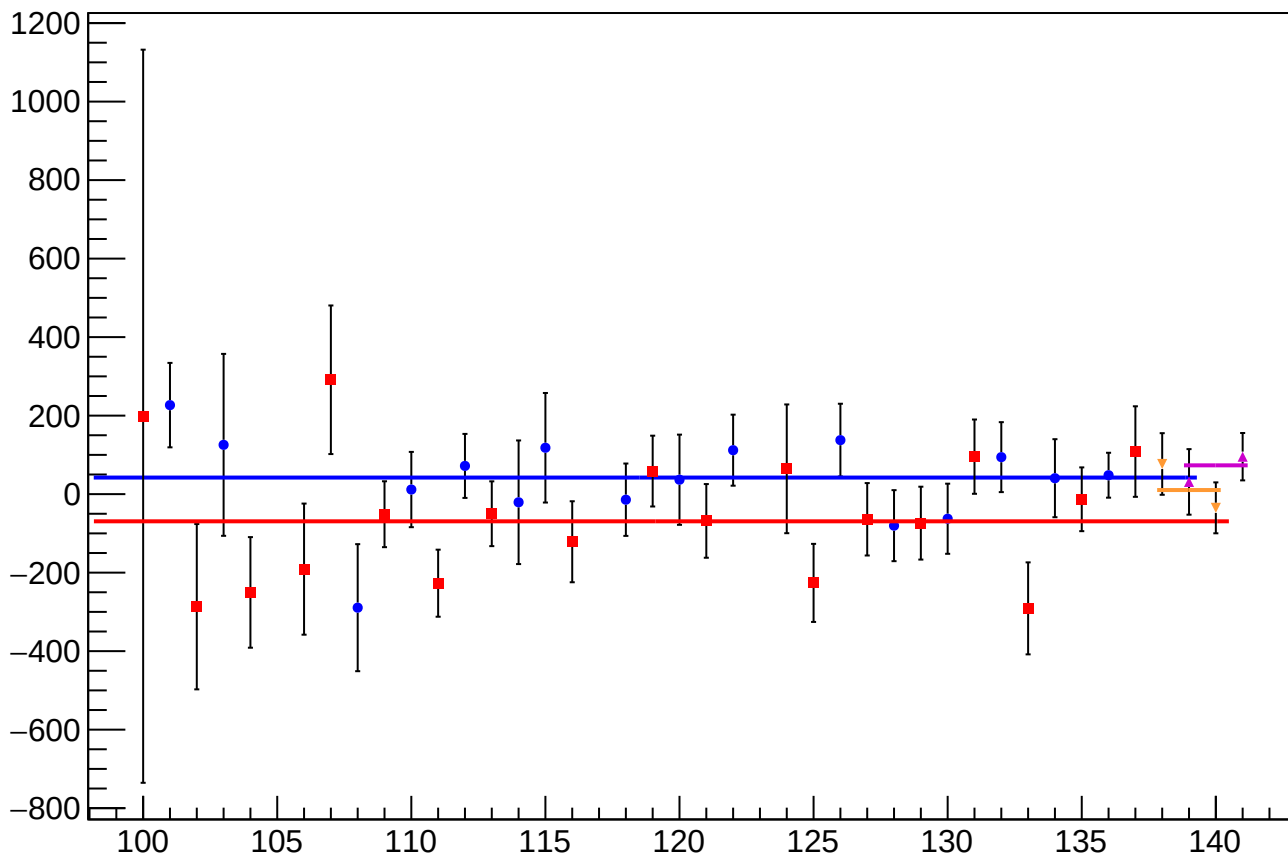
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:178533.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4305551.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8930725.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4537396.7/20

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

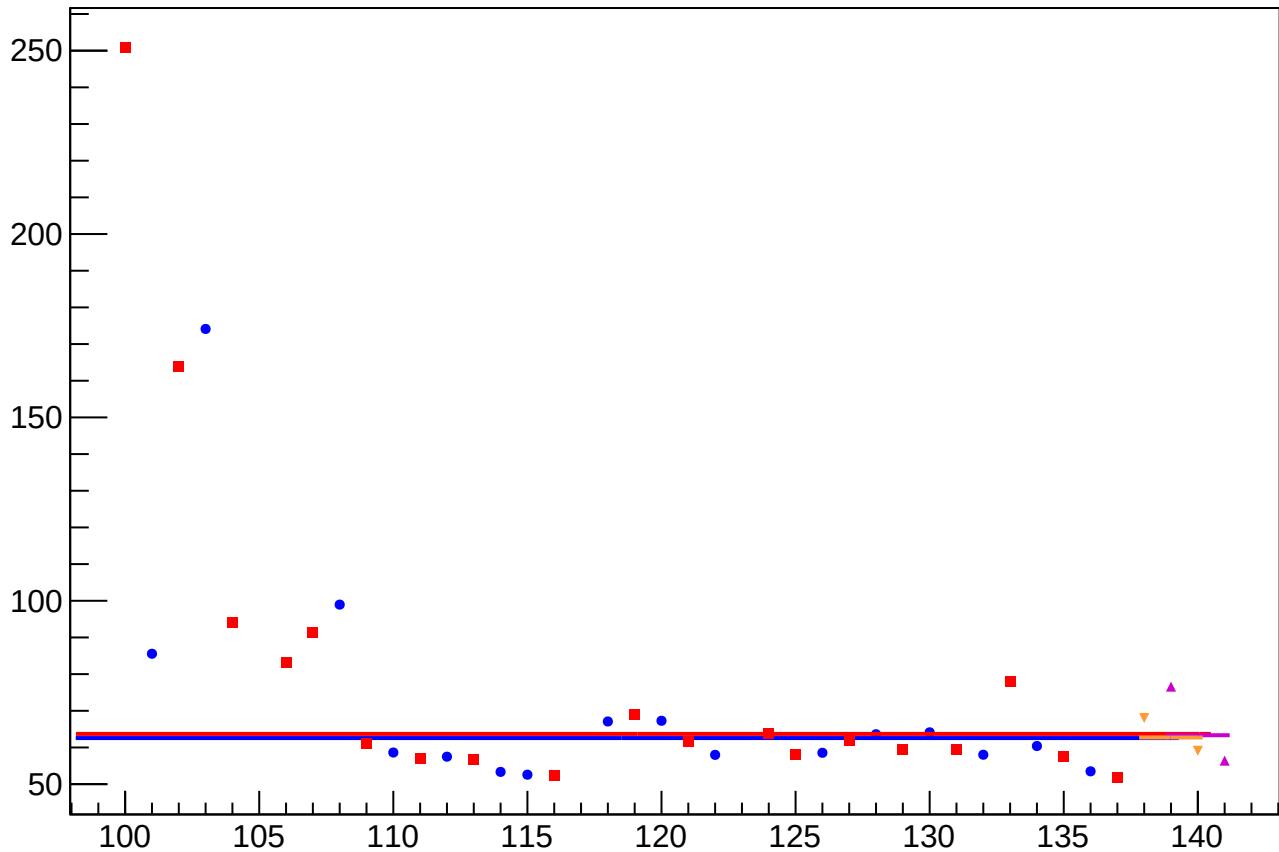
Left In: 73.343 $\pm$ 48.919 χ^2 /NDF: 0.4/1

+ sign 36.181 $\pm$ 21.788 χ^2 /NDF: 15.1/17

All: -2.208 $\pm$ 15.427 χ^2 /NDF: 53.9/38

- sign -40.808 $\pm$ 21.848 χ^2 /NDF: 32.6/20

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

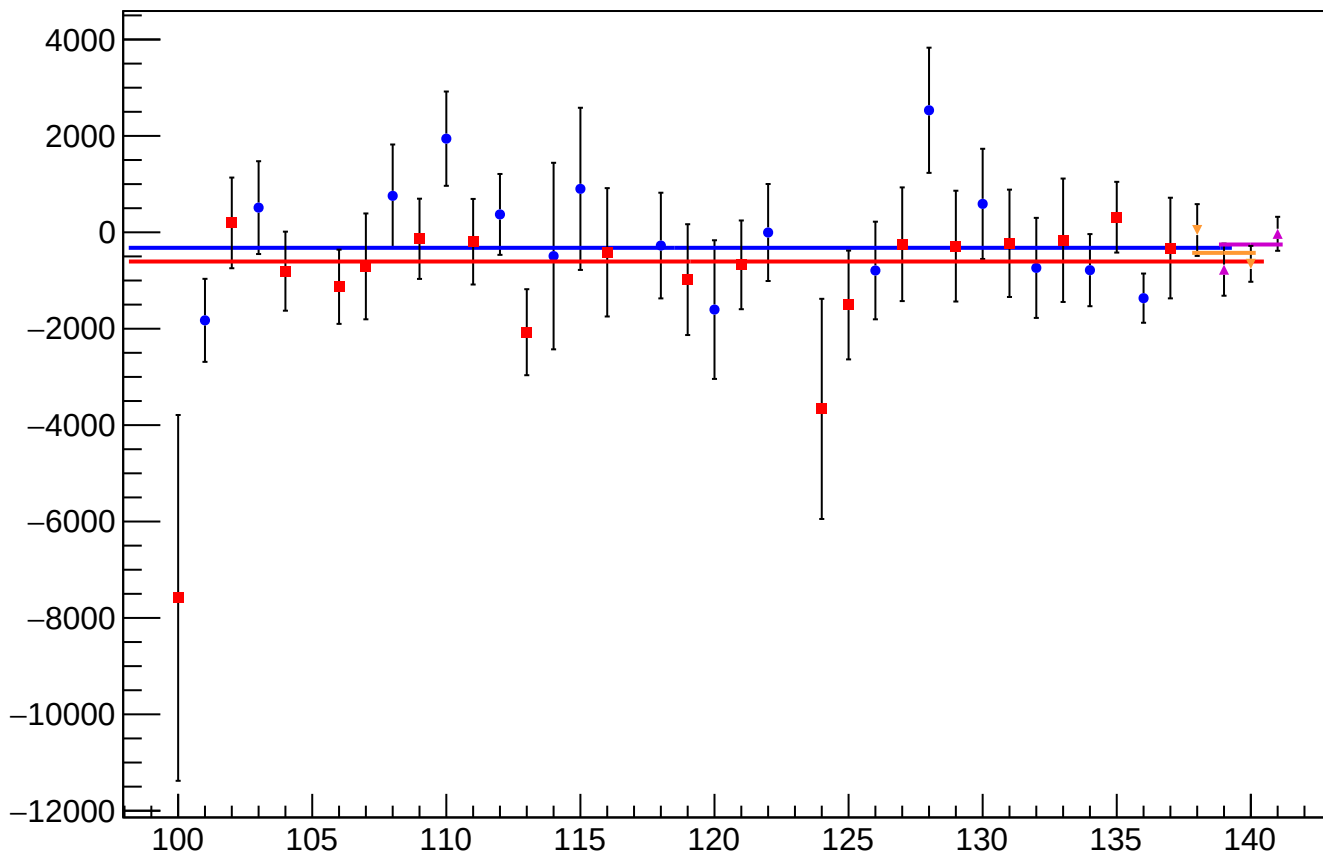
Left In: 63.342 $\pm$ 0.035 χ^2 /NDF: 76729.8/1

+ sign 62.594 $\pm$ 0.015 χ^2 /NDF: 773995.2/17

All: 63.110 $\pm$ 0.011 χ^2 /NDF: 1687235.8/38

- sign 63.628 $\pm$ 0.015 χ^2 /NDF: 910995.2/20

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663 ± 238.482 χ^2/NDF : 22.7/15

Left Out: -426.512 ± 305.968 χ^2/NDF : 1.2/1

Right Out: -605.859 ± 233.643 χ^2/NDF : 12.5/18

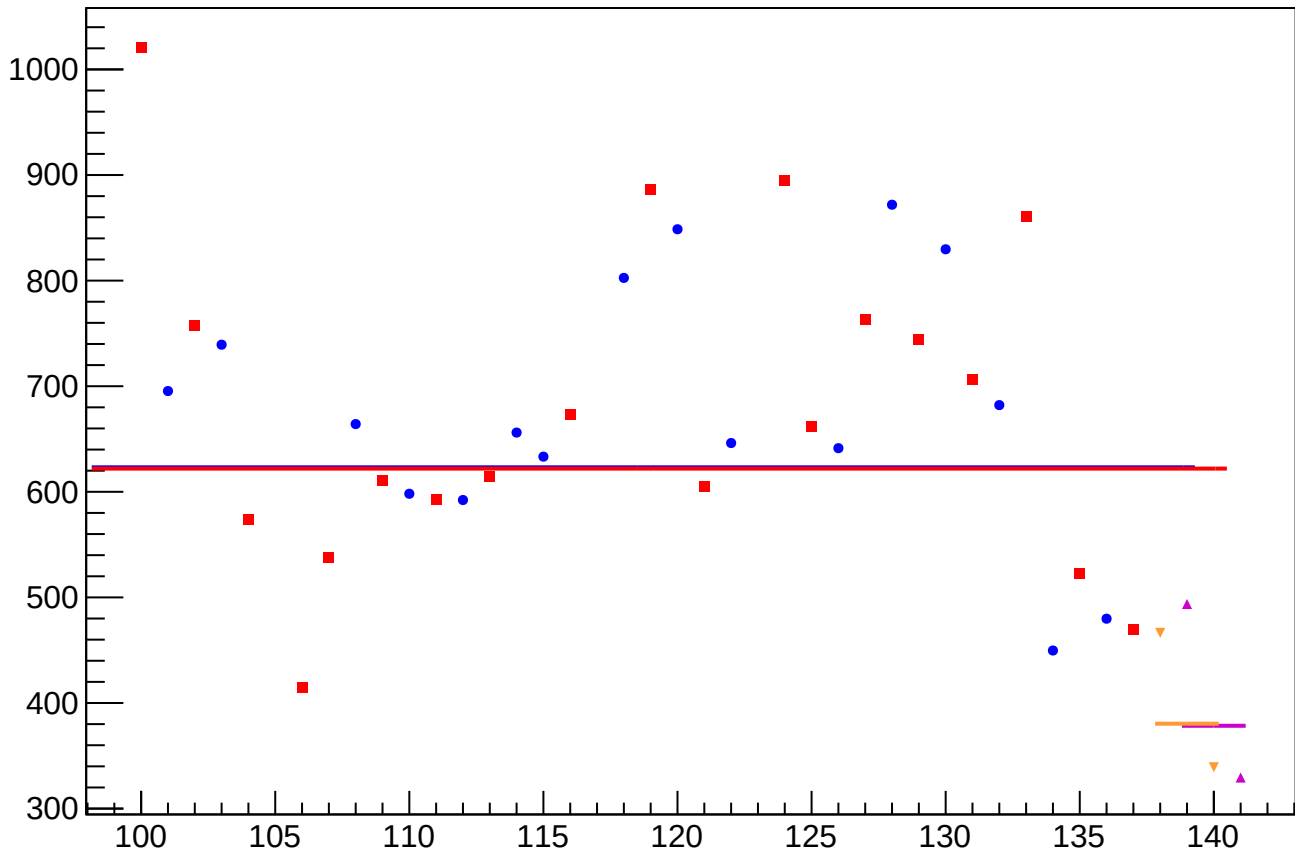
Left In: -252.902 ± 295.314 χ^2/NDF : 1.3/1

+ sign -361.288 ± 188.095 χ^2/NDF : 23.9/17

All: -417.057 ± 131.250 χ^2/NDF : 38.8/38

- sign -469.980 ± 183.231 χ^2/NDF : 14.7/20

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF : 565524.7/15

Left Out: 380.409+/-0.216 χ^2/NDF : 75863.7/1

Right Out: 621.975+/-0.165 χ^2/NDF : 582591.9/18

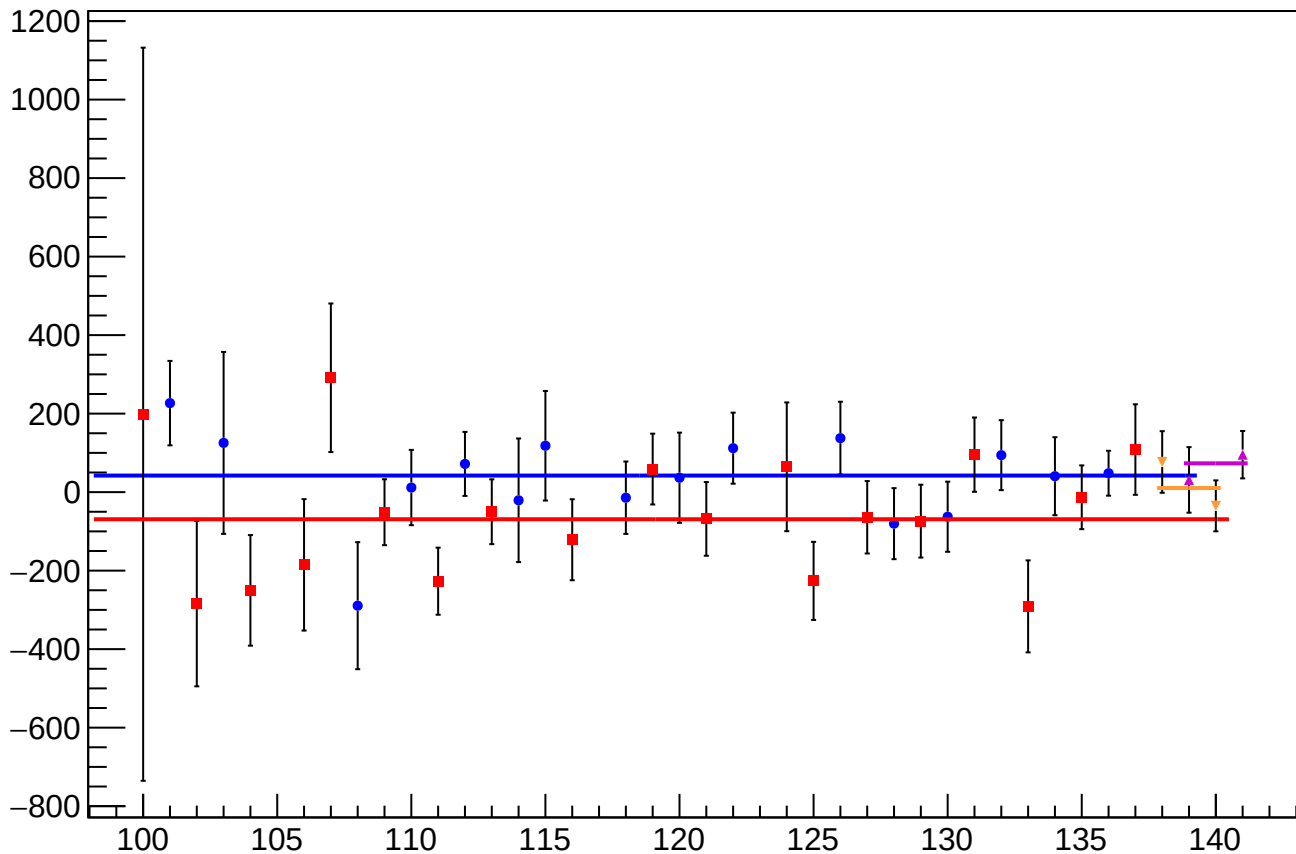
Left In: 378.441+/-0.209 χ^2/NDF : 129658.8/1

+ sign 531.432+/-0.133 χ^2/NDF : 1424671.9/17

All: 529.784+/-0.093 χ^2/NDF : 2973734.4/38

- sign 528.221+/-0.130 χ^2/NDF : 1548763.4/20

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

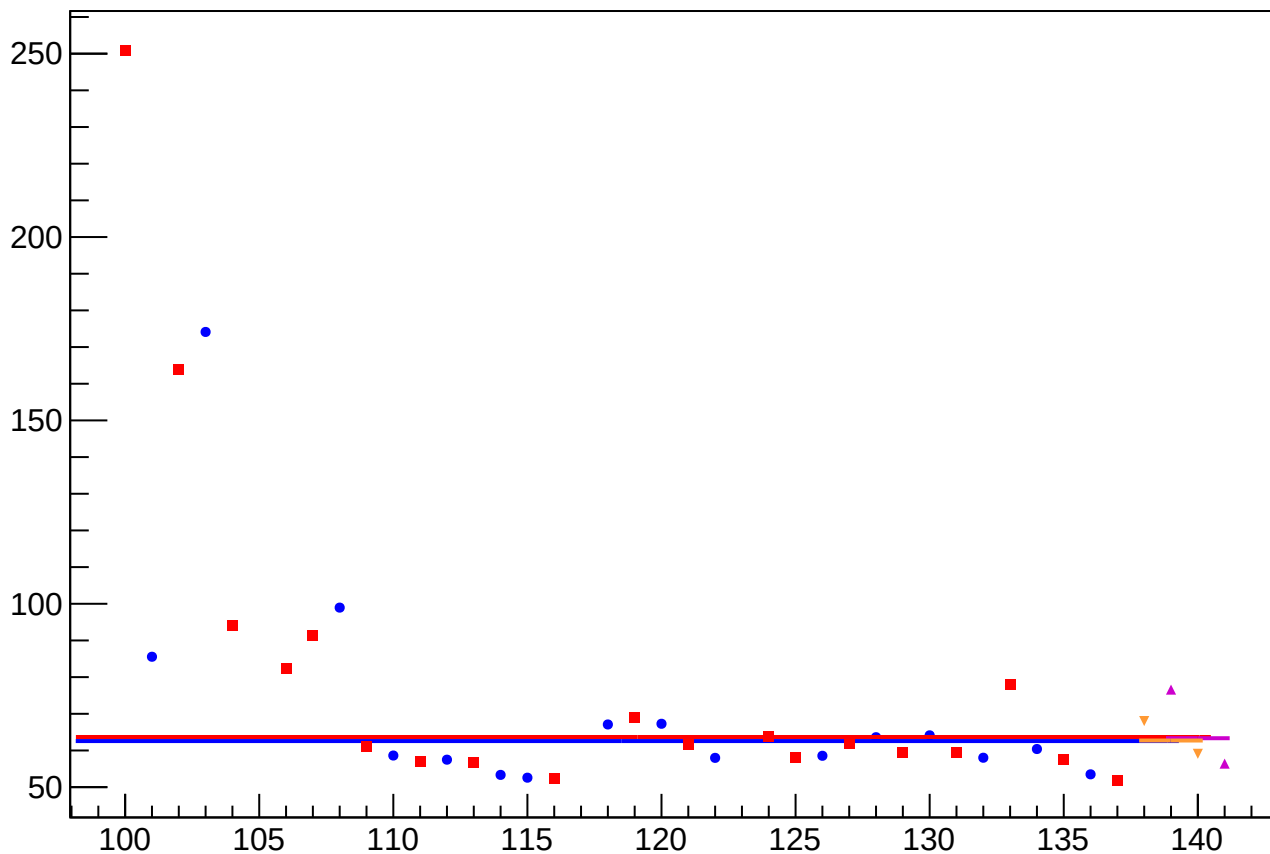
Left In: 73.344 $\pm$ 48.919 χ^2 /NDF: 0.4/1

+ sign 36.178 $\pm$ 21.788 χ^2 /NDF: 15.1/17

All: -2.134 $\pm$ 15.428 χ^2 /NDF: 53.7/38

- sign -40.660 $\pm$ 21.849 χ^2 /NDF: 32.5/20

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

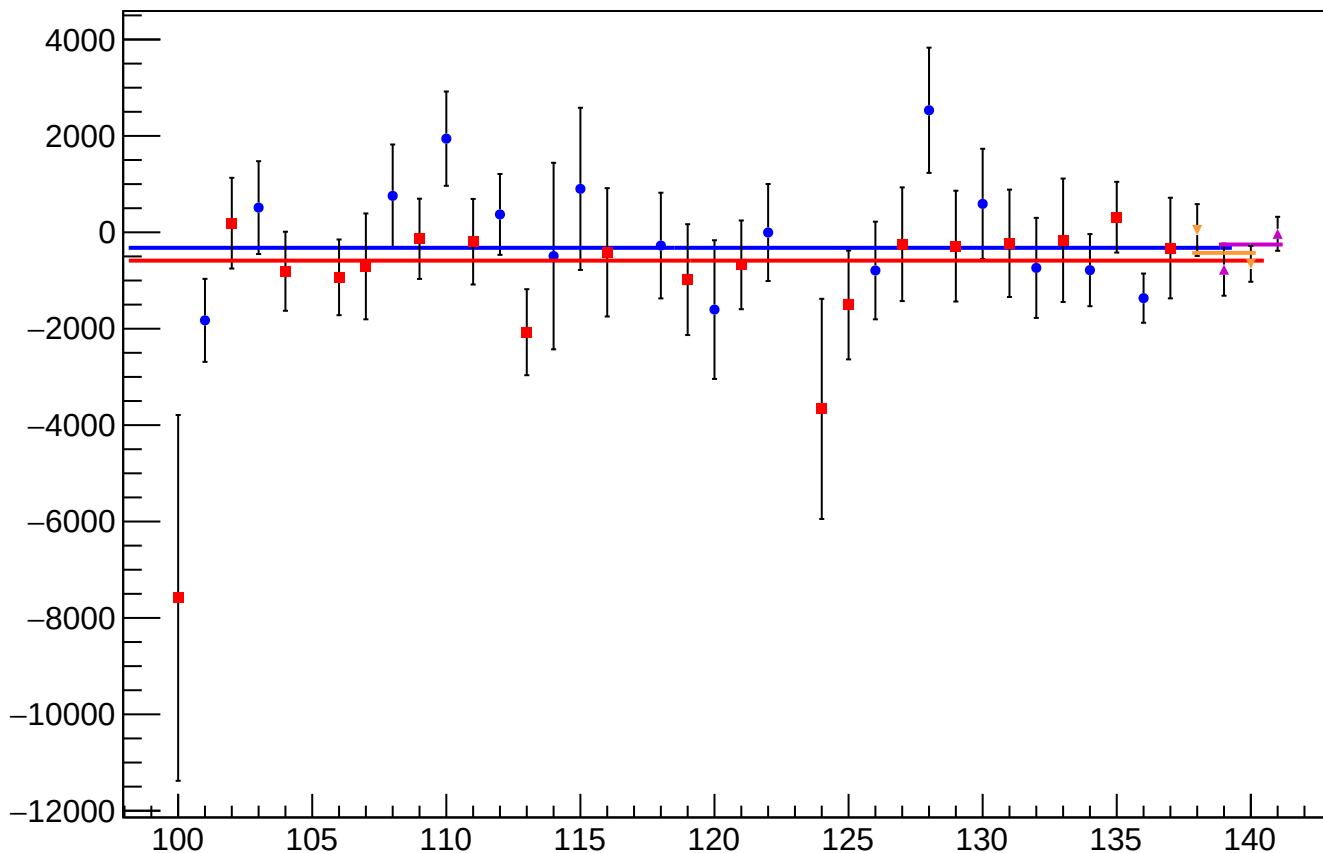
Left In: 63.342 $\pm$ 0.035 χ^2 /NDF: 76729.8/1

+ sign 62.594 $\pm$ 0.015 χ^2 /NDF: 773997.3/17

All: 63.100 $\pm$ 0.011 χ^2 /NDF: 1684395.8/38

- sign 63.609 $\pm$ 0.015 χ^2 /NDF: 908236.3/20

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660 $\pm$ 238.484 χ^2 /NDF: 22.7/15

Left Out: -426.498 $\pm$ 305.968 χ^2 /NDF: 1.2/1

Right Out: -587.224 $\pm$ 234.080 χ^2 /NDF: 12.2/18

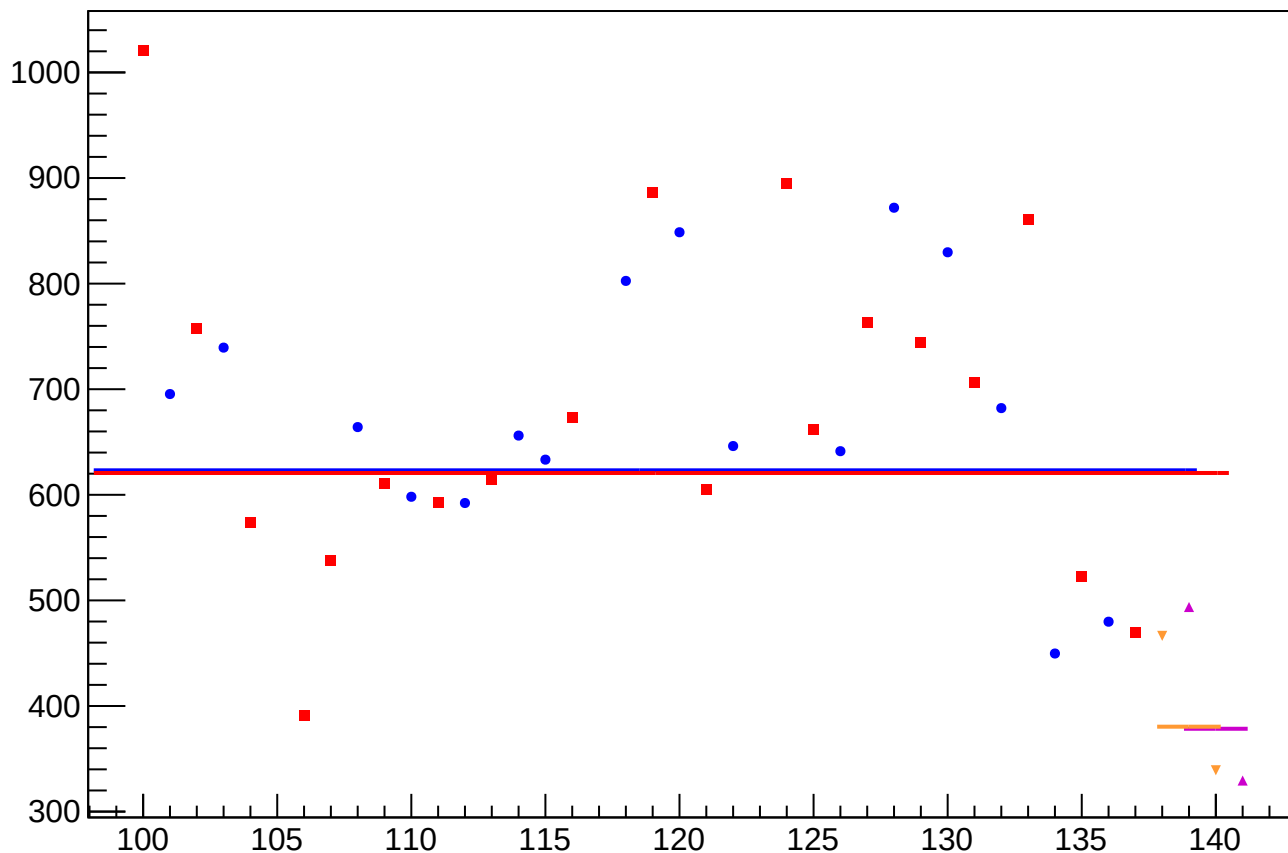
Left In: -252.908 $\pm$ 295.315 χ^2 /NDF: 1.3/1

+ sign -361.281 $\pm$ 188.096 χ^2 /NDF: 23.9/17

All: -410.968 $\pm$ 131.328 χ^2 /NDF: 38.4/38

- sign -458.226 $\pm$ 183.442 χ^2 /NDF: 14.3/20

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF : 565557.0/15

Left Out: 380.409+/-0.216 χ^2/NDF : 75864.5/1

Right Out: 620.673+/-0.166 χ^2/NDF : 610523.8/18

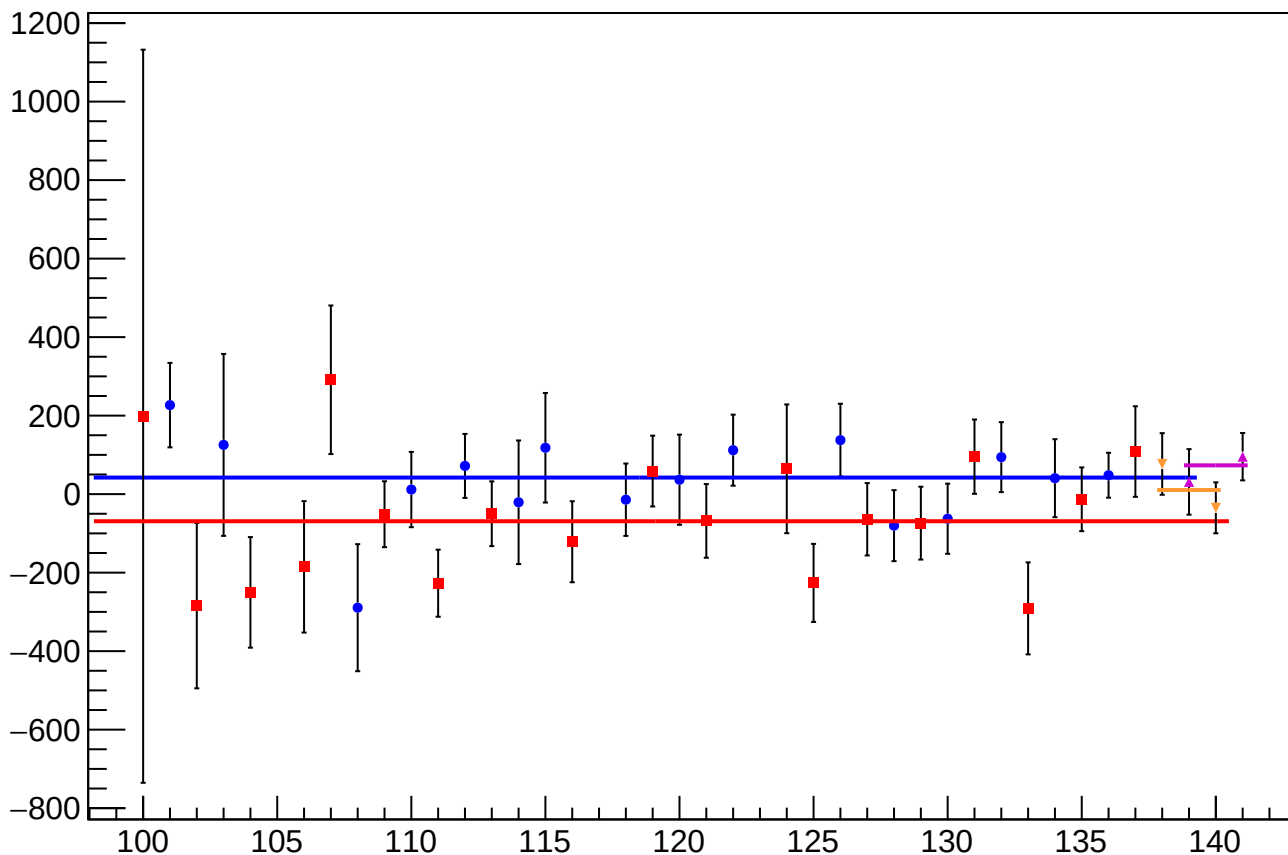
Left In: 378.442+/-0.209 χ^2/NDF : 129656.7/1

+ sign 531.433+/-0.133 χ^2/NDF : 1424721.8/17

All: 529.266+/-0.093 χ^2/NDF : 2991817.1/38

- sign 527.206+/-0.130 χ^2/NDF : 1566577.7/20

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF : 13.6/15

Left Out: 10.429+/-49.999 χ^2/NDF : 1.2/1

Right Out: -69.068+/-24.420 χ^2/NDF : 25.3/18

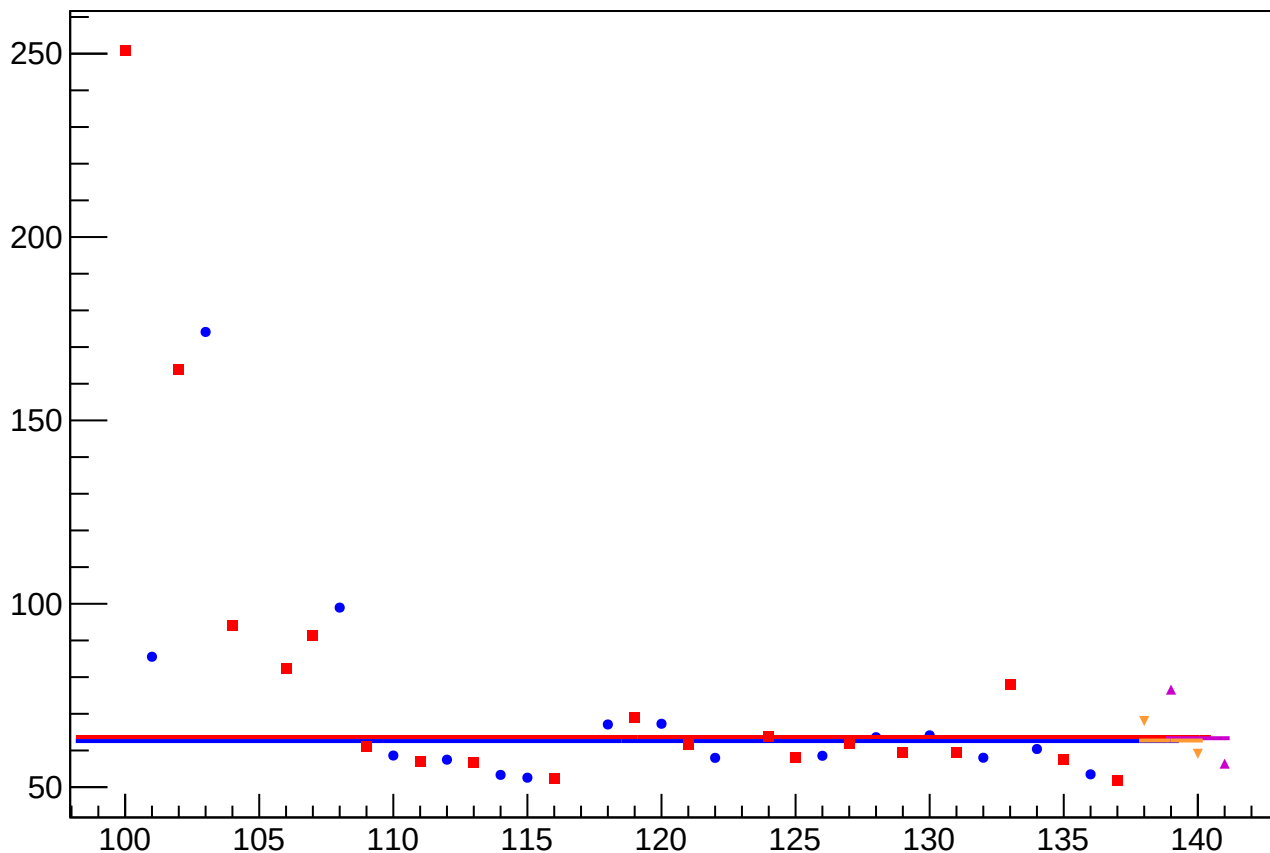
Left In: 73.344+/-48.919 χ^2/NDF : 0.4/1

+ sign 36.178+/-21.788 χ^2/NDF : 15.1/17

All: -2.134+/-15.428 χ^2/NDF : 53.7/38

- sign -40.660+/-21.849 χ^2/NDF : 32.5/20

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

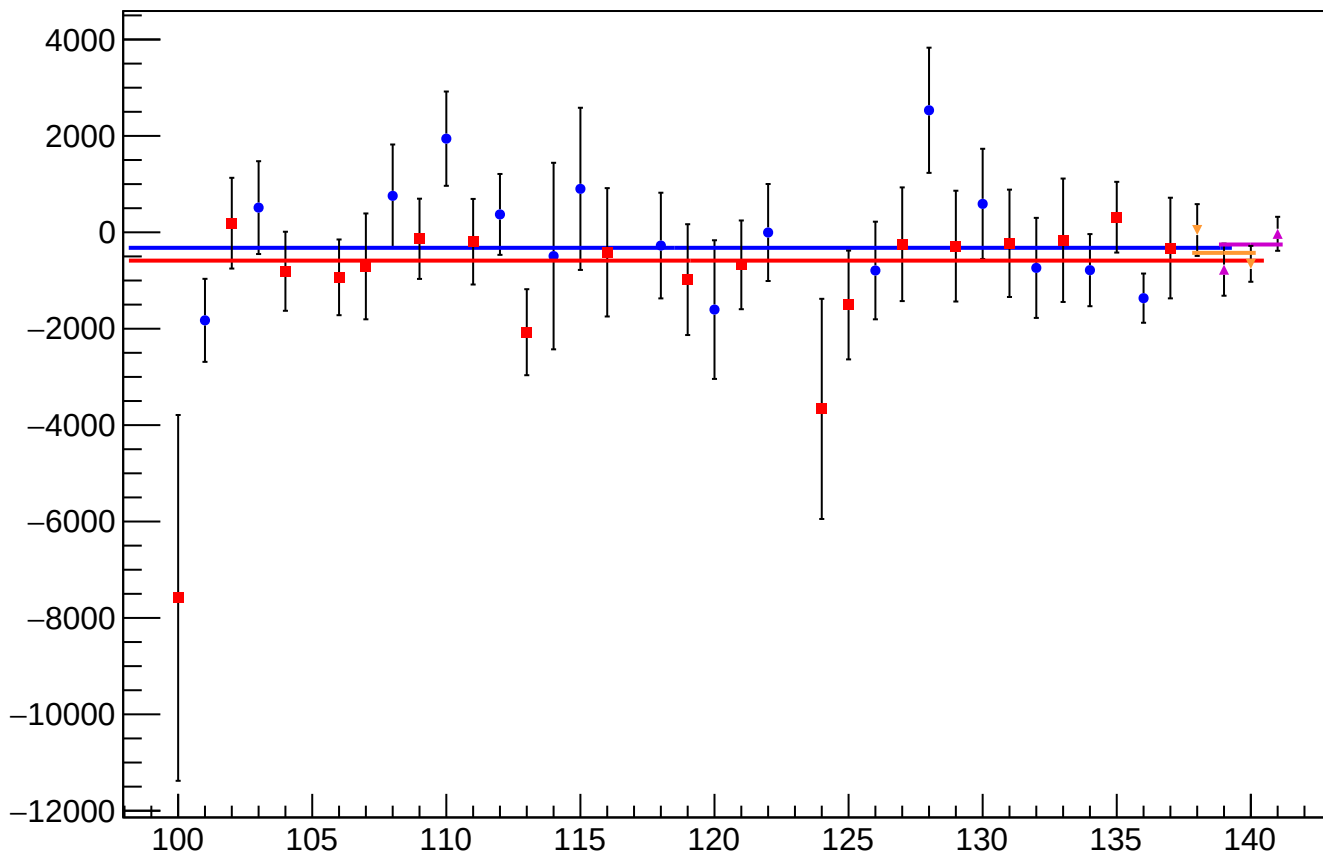
Left In: 63.342 $\pm$ 0.035 χ^2 /NDF: 76729.8/1

+ sign 62.594 $\pm$ 0.015 χ^2 /NDF: 773997.3/17

All: 63.100 $\pm$ 0.011 χ^2 /NDF: 1684395.8/38

- sign 63.609 $\pm$ 0.015 χ^2 /NDF: 908236.3/20

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -321.660 $\pm$ 238.484 χ^2 /NDF: 22.7/15

Left Out: -426.498 $\pm$ 305.968 χ^2 /NDF:1.2/1

Right Out: -587.224 $\pm$ 234.080 χ^2 /NDF: 12.2/18

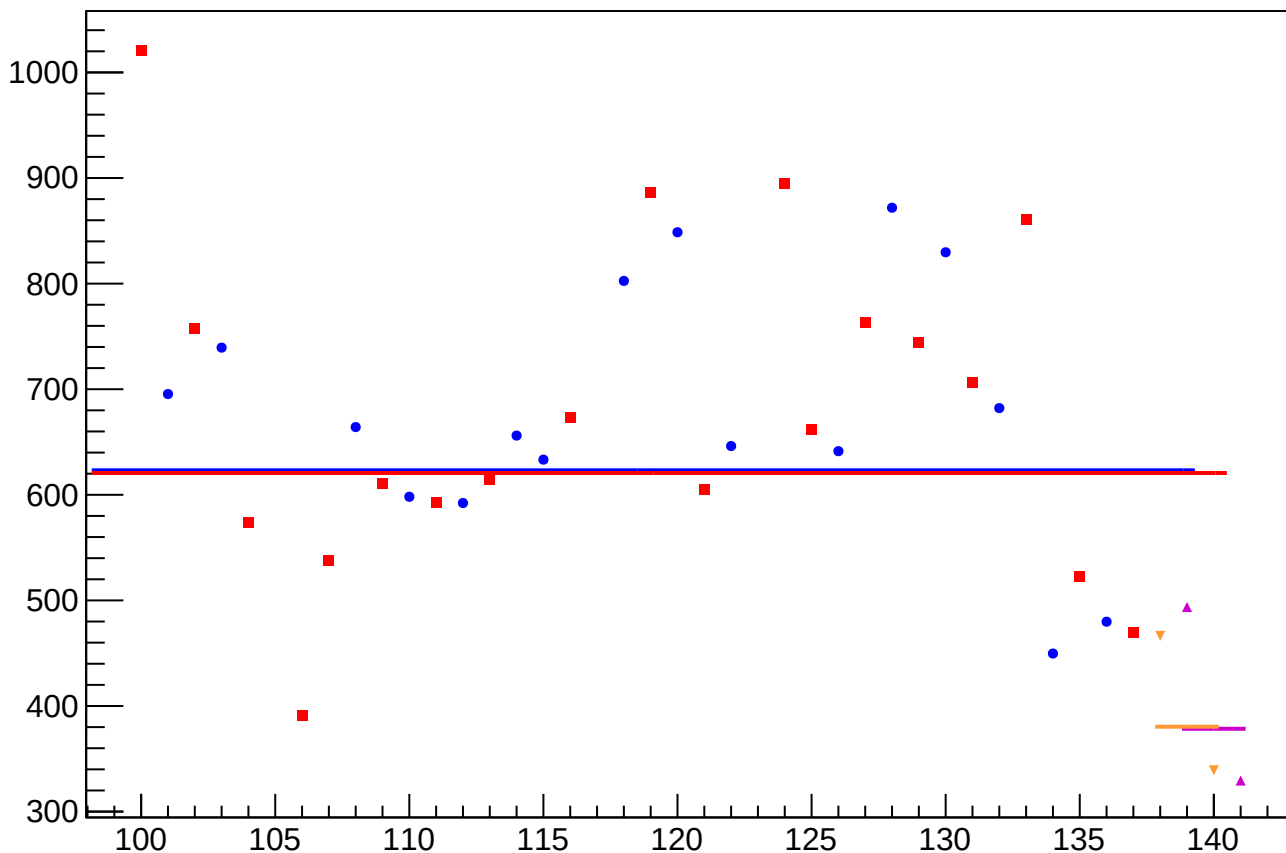
Left In: -252.908 $\pm$ 295.315 χ^2 /NDF:1.3/1

+ sign -361.281 $\pm$ 188.096 χ^2 /NDF: 23.9/17

All: -410.968 $\pm$ 131.328 χ^2 /NDF: 38.4/38

- sign -458.226 $\pm$ 183.442 χ^2 /NDF: 14.3/20

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

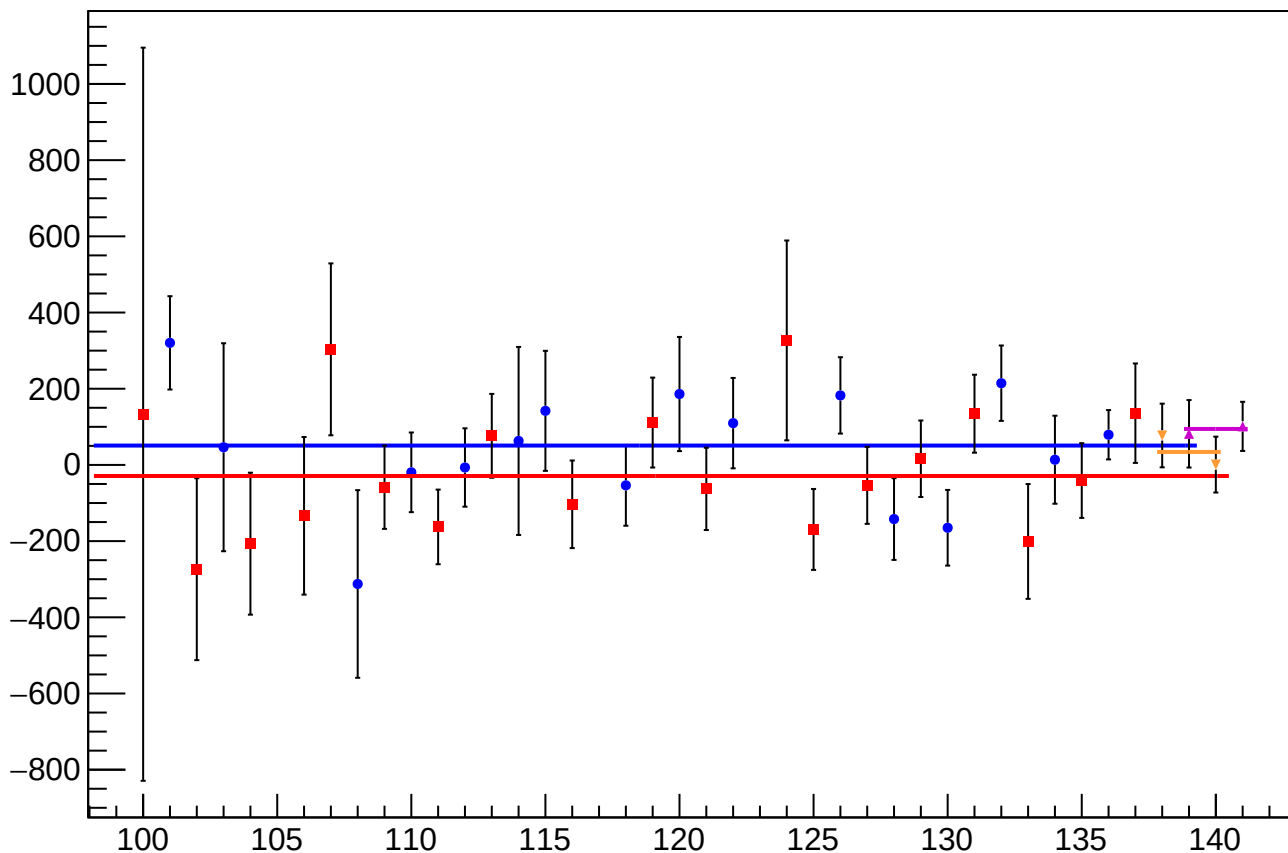
Left In: 378.442+/-0.209 χ^2/NDF : 129656.7/1

+ sign 531.433+/-0.133 χ^2/NDF : 1424721.8/17

All: 529.266+/-0.093 χ^2/NDF : 2991817.1/38

- sign 527.206+/-0.130 χ^2/NDF : 1566577.7/20

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

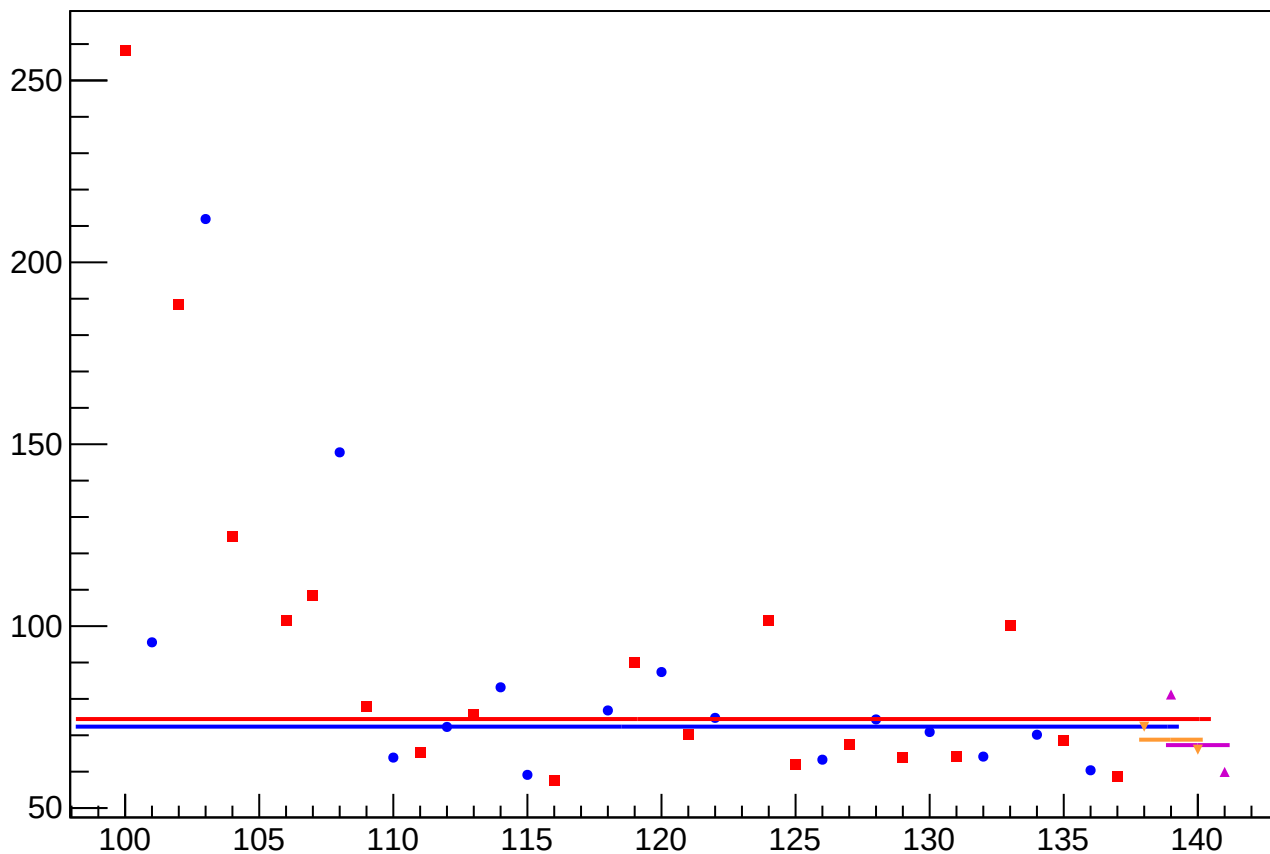
Left In: 94.453 $\pm$ 52.130 χ^2 /NDF: 0.0/1

+ sign 47.343 $\pm$ 25.186 χ^2 /NDF: 23.4/17

All: 23.765 $\pm$ 17.843 χ^2 /NDF: 48.0/38

- sign 0.007 $\pm$ 25.282 χ^2 /NDF: 22.8/20

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938175.3/15

Left Out: 68.791+/-0.039 χ^2/NDF : 6458.4/1

Right Out: 74.463+/-0.020 χ^2/NDF : 1052296.6/18

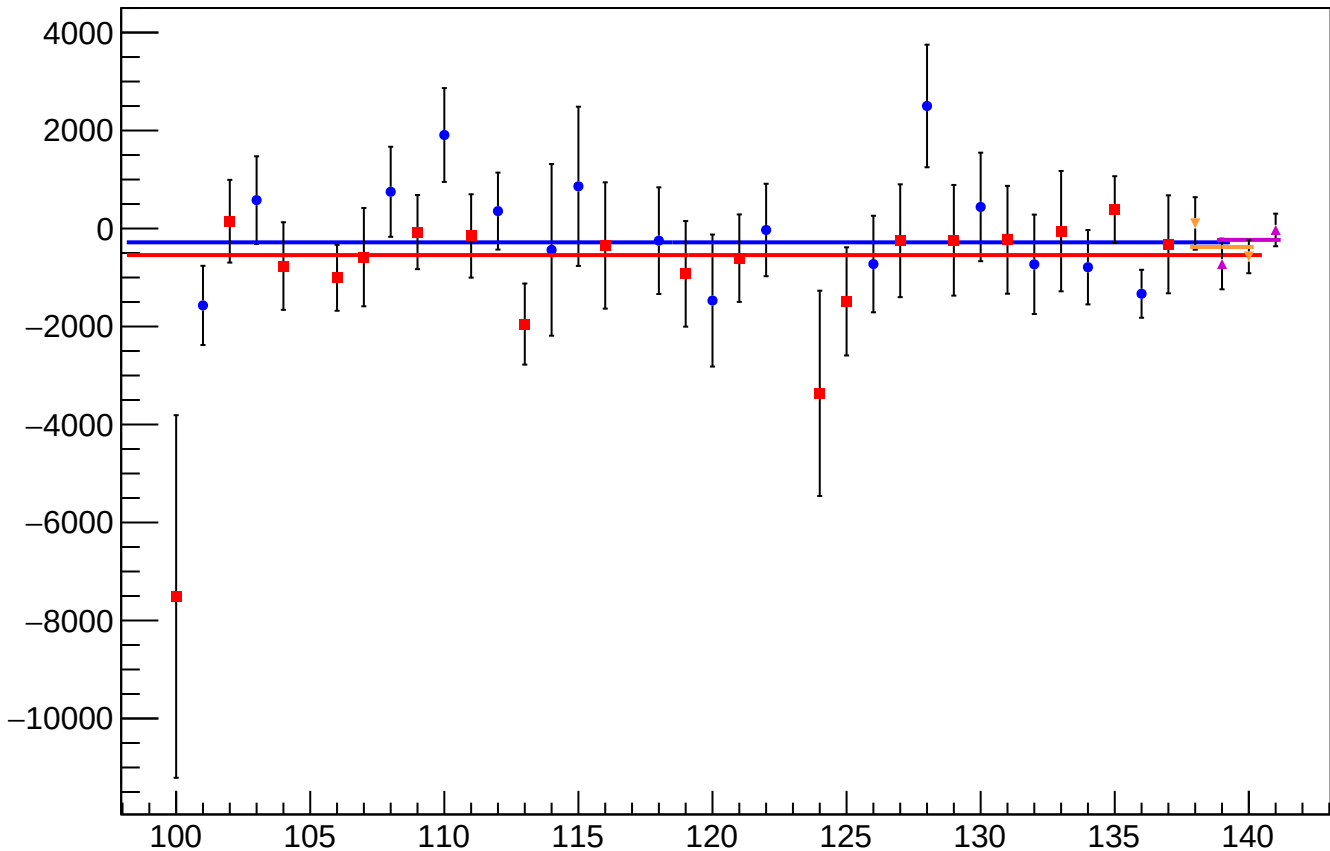
Left In: 67.301+/-0.037 χ^2/NDF : 75470.2/1

+ sign 71.629+/-0.018 χ^2/NDF : 951335.3/17

All: 72.201+/-0.013 χ^2/NDF : 2110056.2/38

- sign 72.779+/-0.018 χ^2/NDF : 1156644.1/20

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039 ± 227.789 χ^2/NDF : 22.8/15

Left Out: -376.707 ± 287.834 χ^2/NDF : 1.1/1

Right Out: -542.028 ± 220.904 χ^2/NDF : 13.3/18

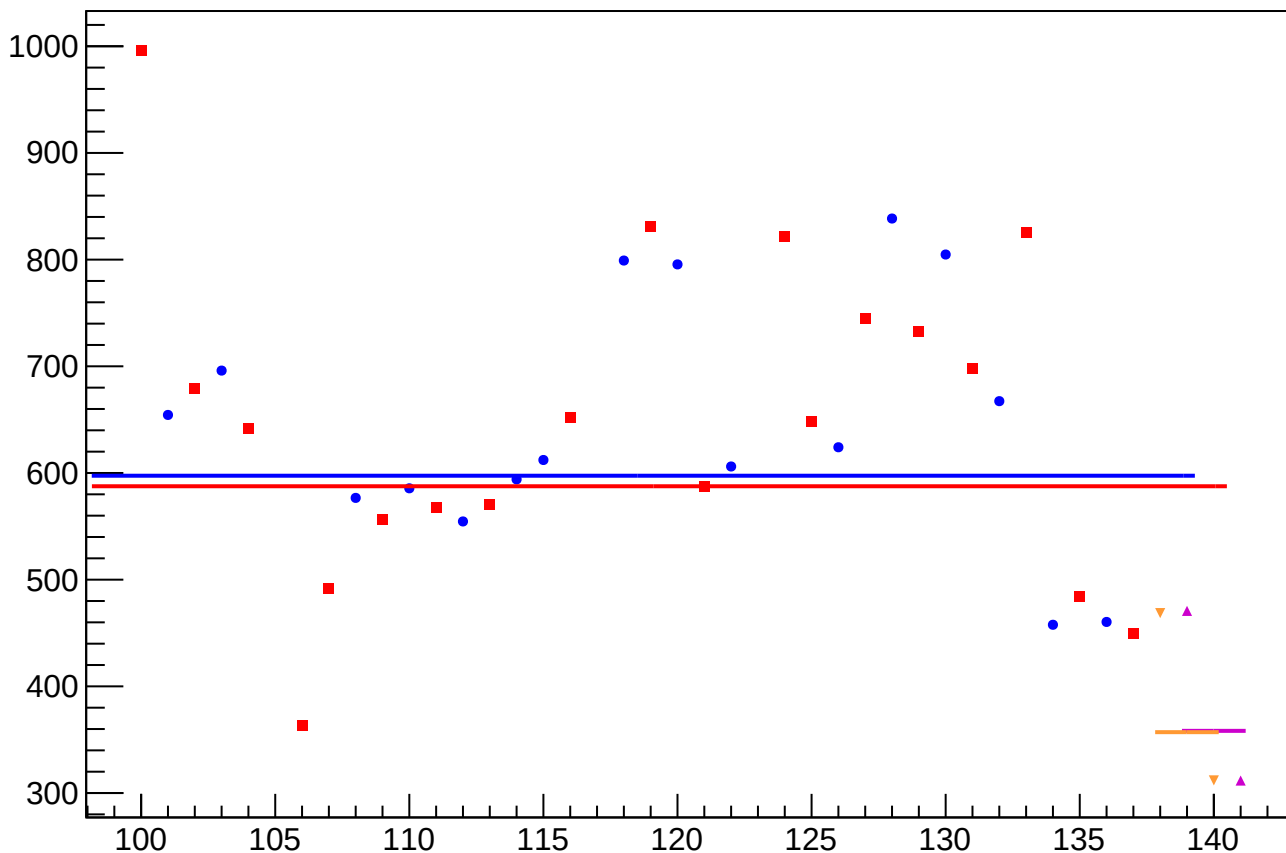
Left In: -232.377 ± 279.831 χ^2/NDF : 1.3/1

+ sign -318.497 ± 178.621 χ^2/NDF : 24.0/17

All: -372.376 ± 124.413 χ^2/NDF : 39.5/38

- sign -423.145 ± 173.389 χ^2/NDF : 15.3/20

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF : 533791.9/15

Left Out: 357.062+/-0.204 χ^2/NDF : 121793.5/1

Right Out: 587.565+/-0.156 χ^2/NDF : 689035.8/18

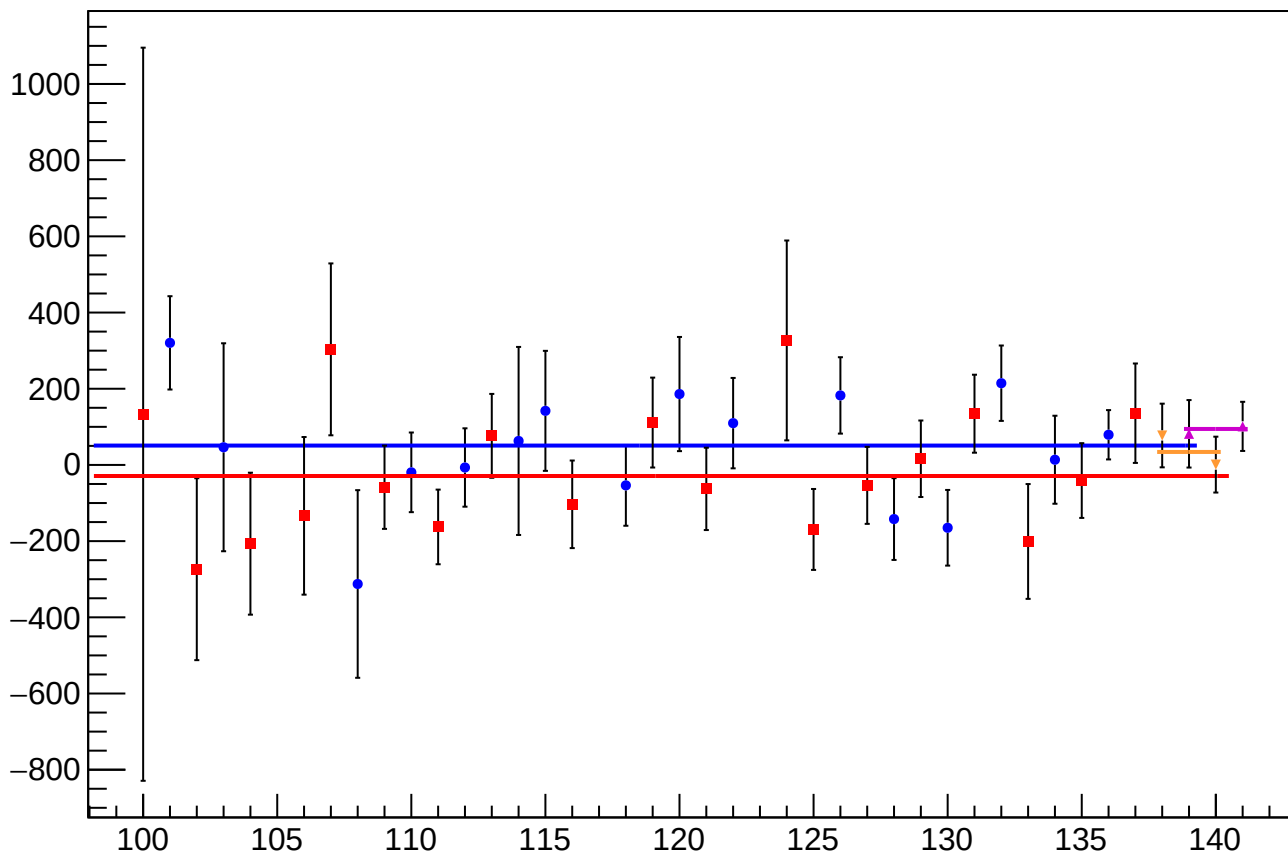
Left In: 358.287+/-0.198 χ^2/NDF : 133794.6/1

+ sign 504.868+/-0.126 χ^2/NDF : 1513267.5/17

All: 502.124+/-0.088 χ^2/NDF : 3164189.3/38

- sign 499.539+/-0.123 χ^2/NDF : 1650005.4/20

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

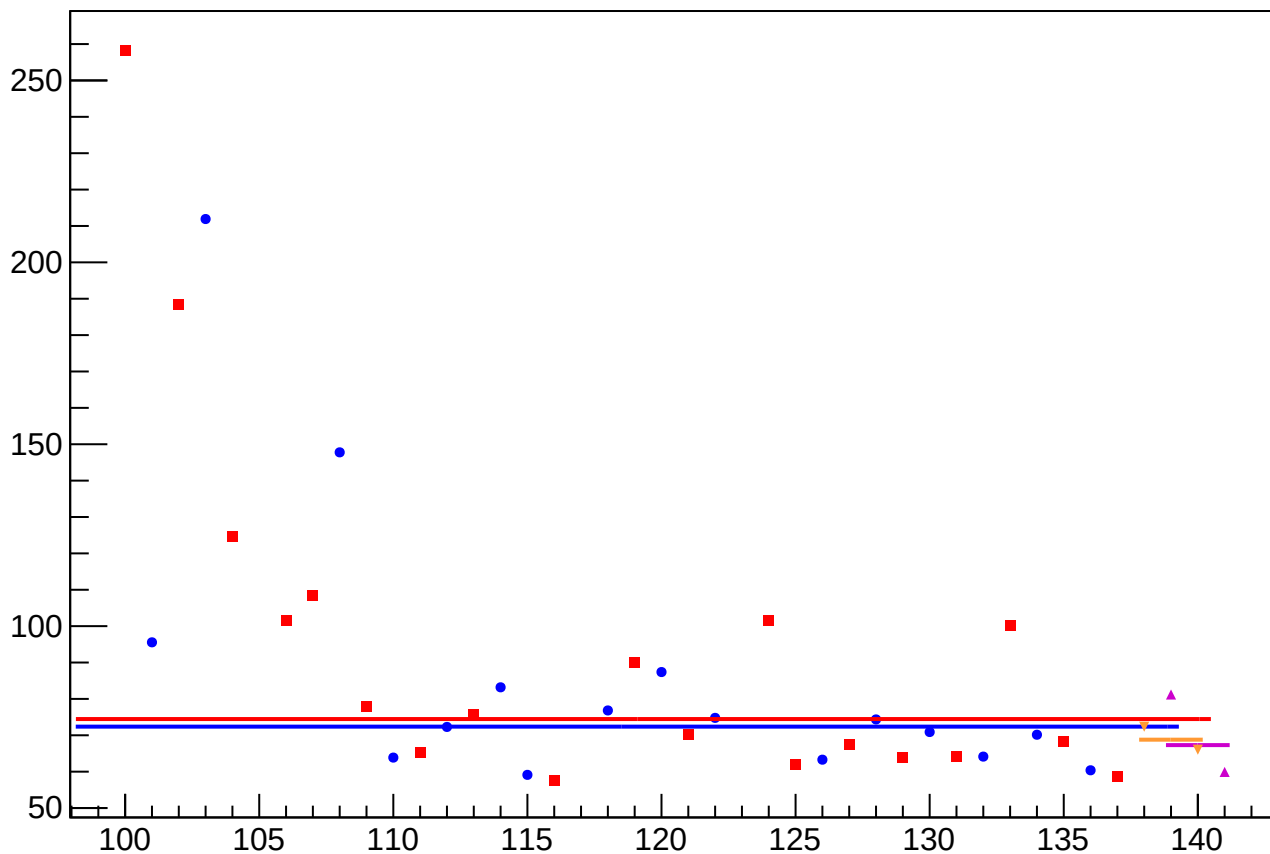
Left In: 94.453 $\pm$ 52.130 χ^2 /NDF: 0.0/1

+ sign 47.343 $\pm$ 25.186 χ^2 /NDF: 23.4/17

All: 23.765 $\pm$ 17.843 χ^2 /NDF: 48.0/38

- sign 0.008 $\pm$ 25.282 χ^2 /NDF: 22.8/20

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378 $\pm$ 0.020 χ^2 /NDF: 938180.0/15

Left Out: 68.791 $\pm$ 0.039 χ^2 /NDF: 6458.2/1

Right Out: 74.463 $\pm$ 0.020 χ^2 /NDF: 1052290.0/18

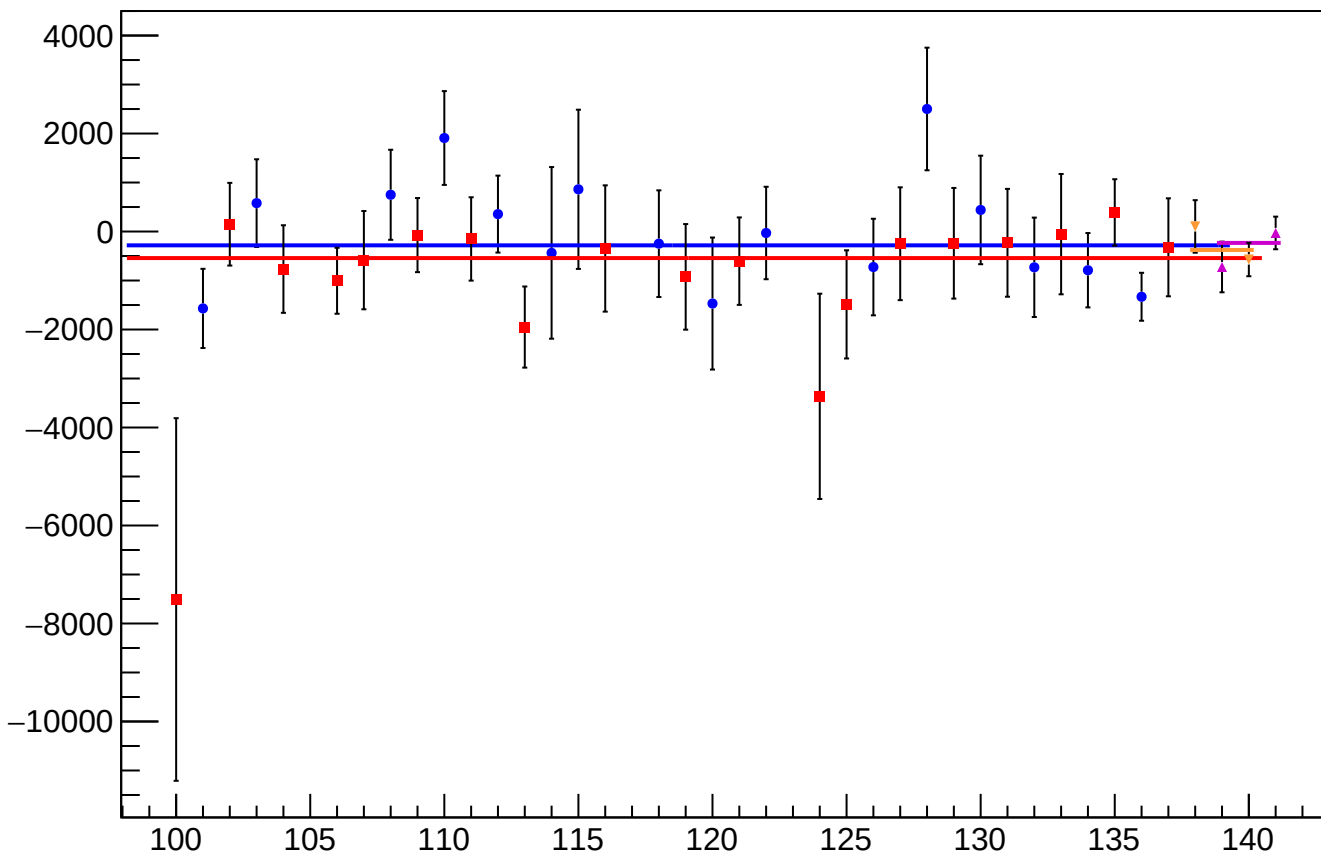
Left In: 67.301 $\pm$ 0.037 χ^2 /NDF: 75467.9/1

+ sign 71.629 $\pm$ 0.018 χ^2 /NDF: 951338.8/17

All: 72.201 $\pm$ 0.013 χ^2 /NDF: 2110050.1/38

- sign 72.779 $\pm$ 0.018 χ^2 /NDF: 1156634.3/20

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -282.038 ± 227.789 χ^2/NDF : 22.8/15

Left Out: -376.708 ± 287.834 χ^2/NDF : 1.1/1

Right Out: -542.028 ± 220.904 χ^2/NDF : 13.3/18

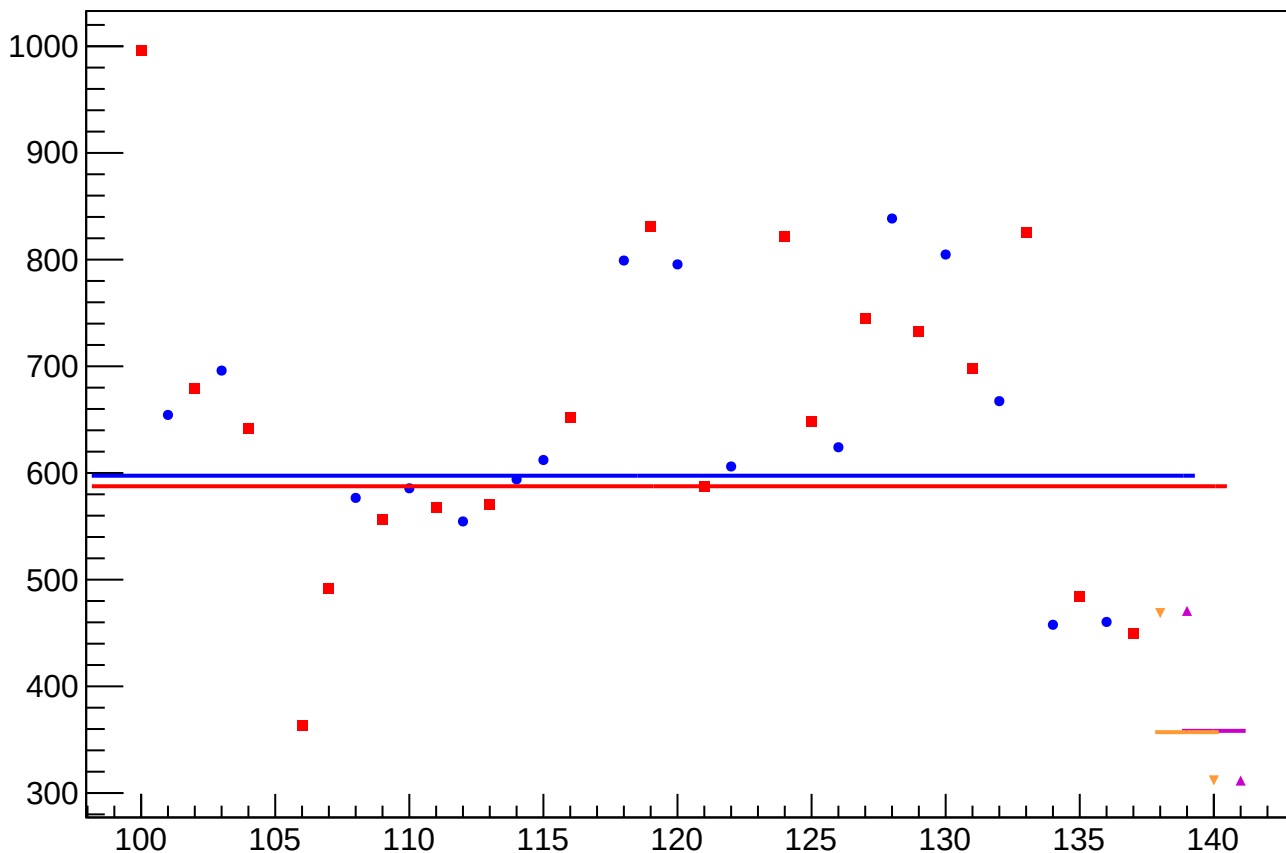
Left In: -232.376 ± 279.831 χ^2/NDF : 1.3/1

+ sign -318.496 ± 178.621 χ^2/NDF : 24.0/17

All: -372.376 ± 124.413 χ^2/NDF : 39.5/38

- sign -423.145 ± 173.388 χ^2/NDF : 15.3/20

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439 $\pm$ 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

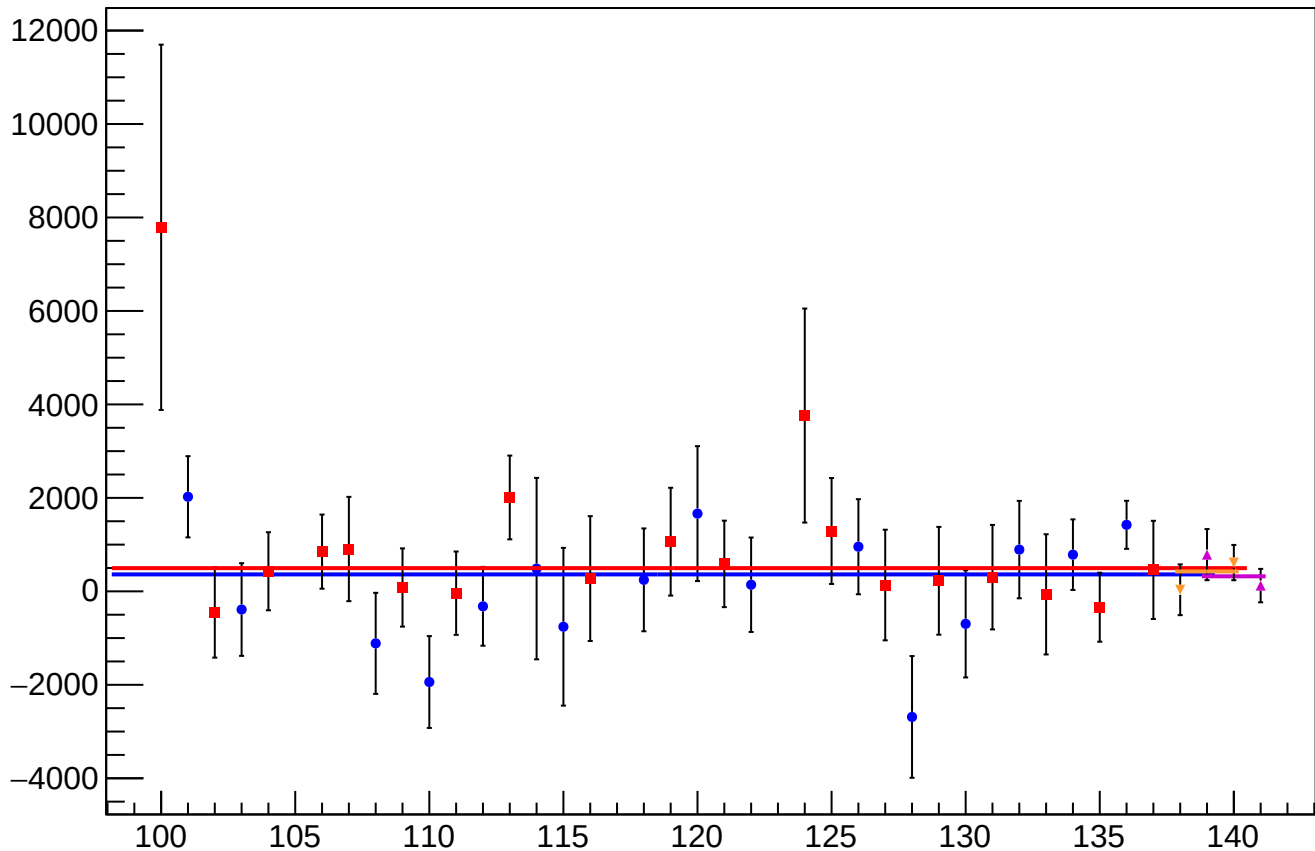
Left In: 358.286 $\pm$ 0.198 χ^2 /NDF:133796.7/1

+ sign 504.868 $\pm$ 0.126 χ^2 /NDF: 1513271.6/17

All: 502.124 $\pm$ 0.088 χ^2 /NDF: 3164194.1/38

- sign 499.539 $\pm$ 0.123 χ^2 /NDF: 1650005.9/20

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF : 25.1/15

Left Out: 425.671+/-310.190 χ^2/NDF : 0.8/1

Right Out: 496.639+/-236.029 χ^2/NDF : 12.7/18

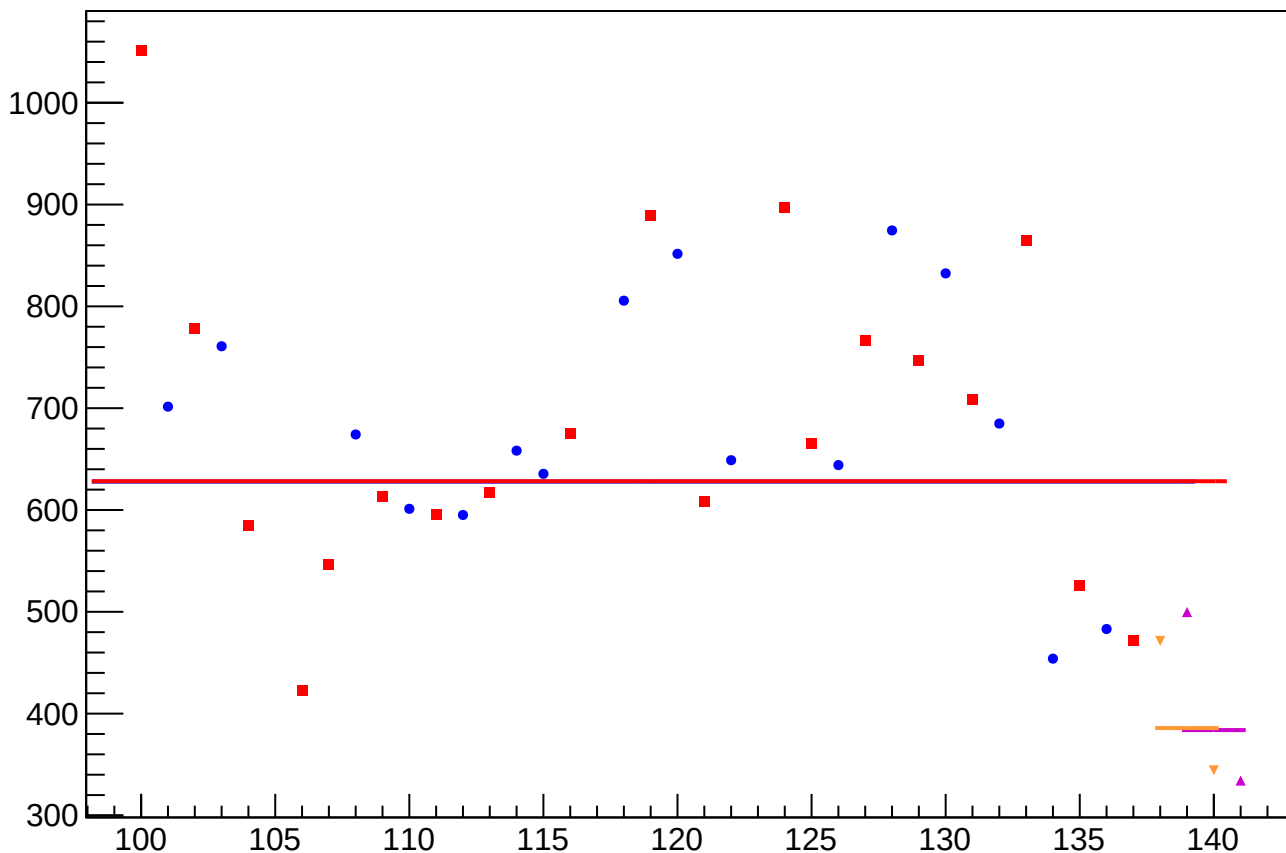
Left In: 321.617+/-299.422 χ^2/NDF : 1.0/1

+ sign 386.120+/-189.967 χ^2/NDF : 25.9/17

All: 408.374+/-132.669 χ^2/NDF : 39.8/38

- sign 429.563+/-185.362 χ^2/NDF : 13.9/20

asym_sam_37_dd_rms vs Slug



Right In: 627.896 $\pm$ 0.170 χ^2 /NDF: 566795.7/15

Left Out: 385.790 $\pm$ 0.219 χ^2 /NDF: 73809.1/1

Right Out: 628.250 $\pm$ 0.167 χ^2 /NDF: 570979.3/18

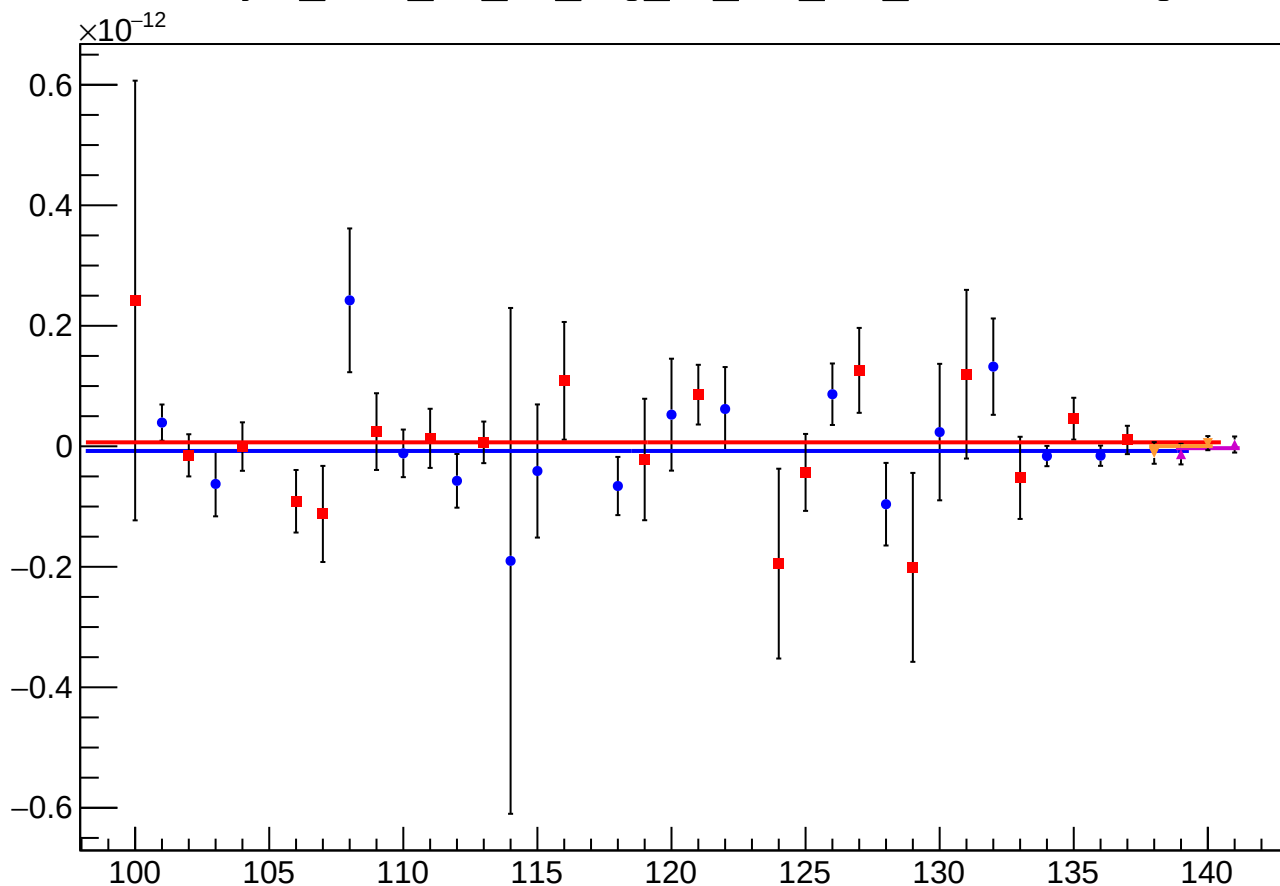
Left In: 383.829 $\pm$ 0.212 χ^2 /NDF: 128185.2/1

+ sign 537.092 $\pm$ 0.134 χ^2 /NDF: 1402023.9/17

All: 535.803 $\pm$ 0.094 χ^2 /NDF: 2923330.1/38

- sign 534.577 $\pm$ 0.131 χ^2 /NDF: 1521126.6/20

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

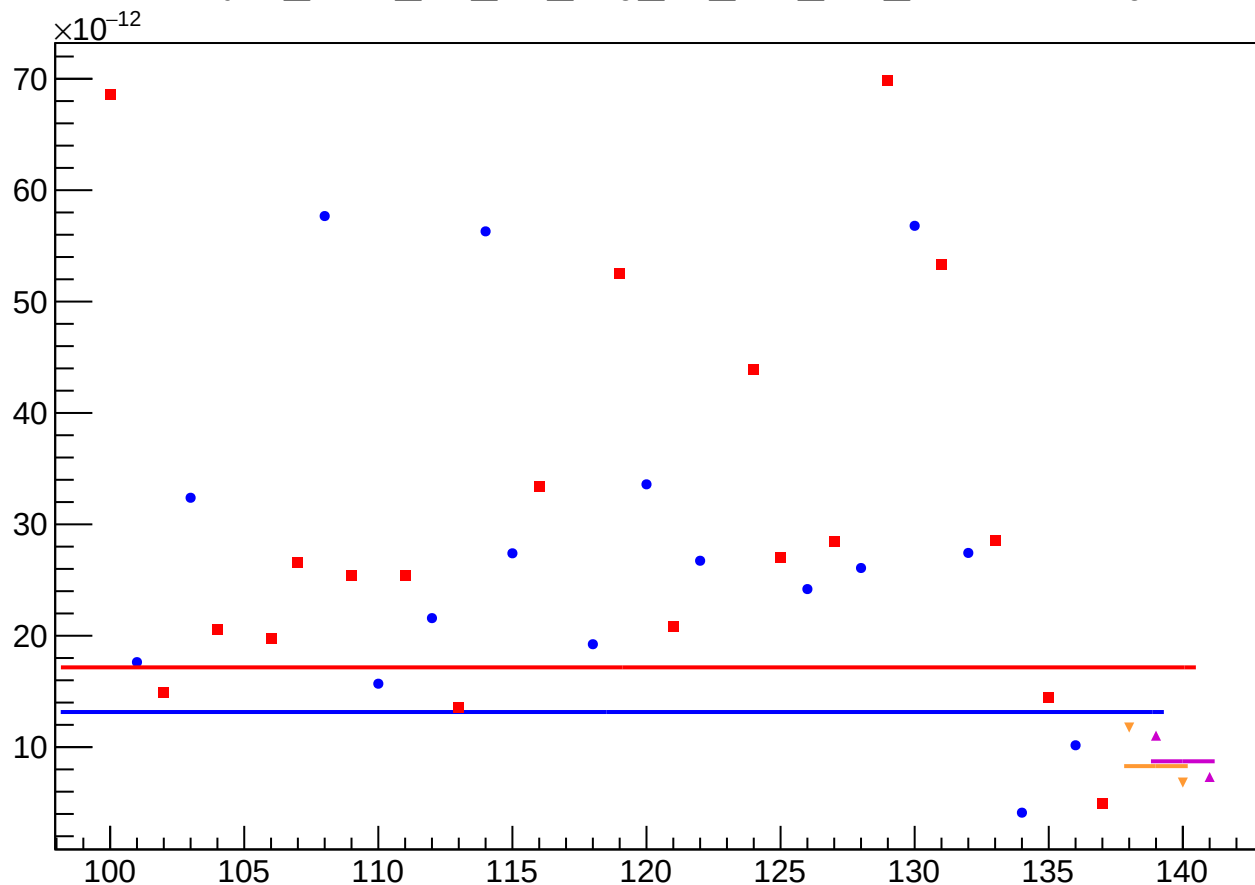
Left In: -0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign -0.000 ± 0.000 χ^2/NDF : 21.9/17

All: -0.000 ± 0.000 χ^2/NDF : 43.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 20.9/20

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

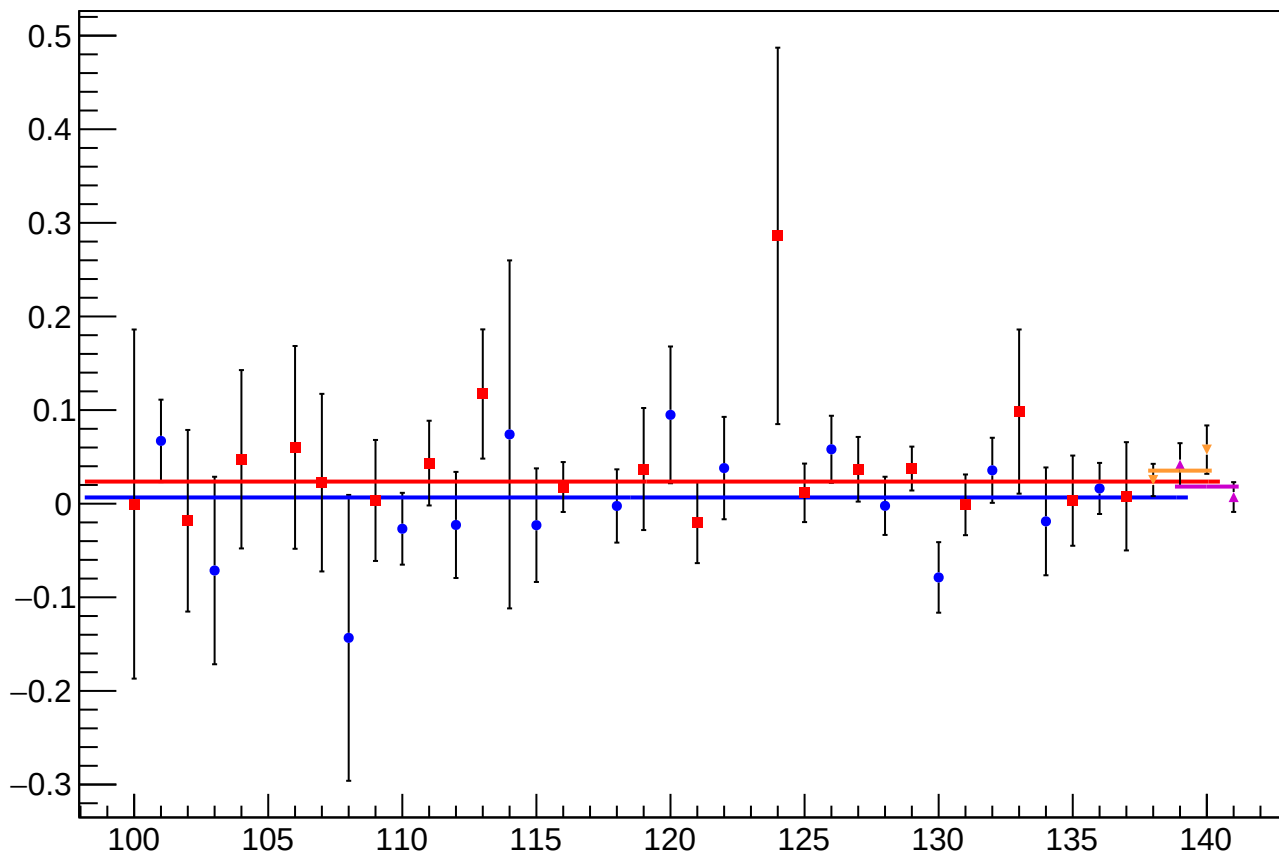
Left In: 0.000+/-0.000 χ^2/NDF : 58456.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2445633.5/17

All: 0.000+/-0.000 χ^2/NDF : 4789582.0/38

- sign 0.000+/-0.000 χ^2/NDF : 2288241.8/20

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 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

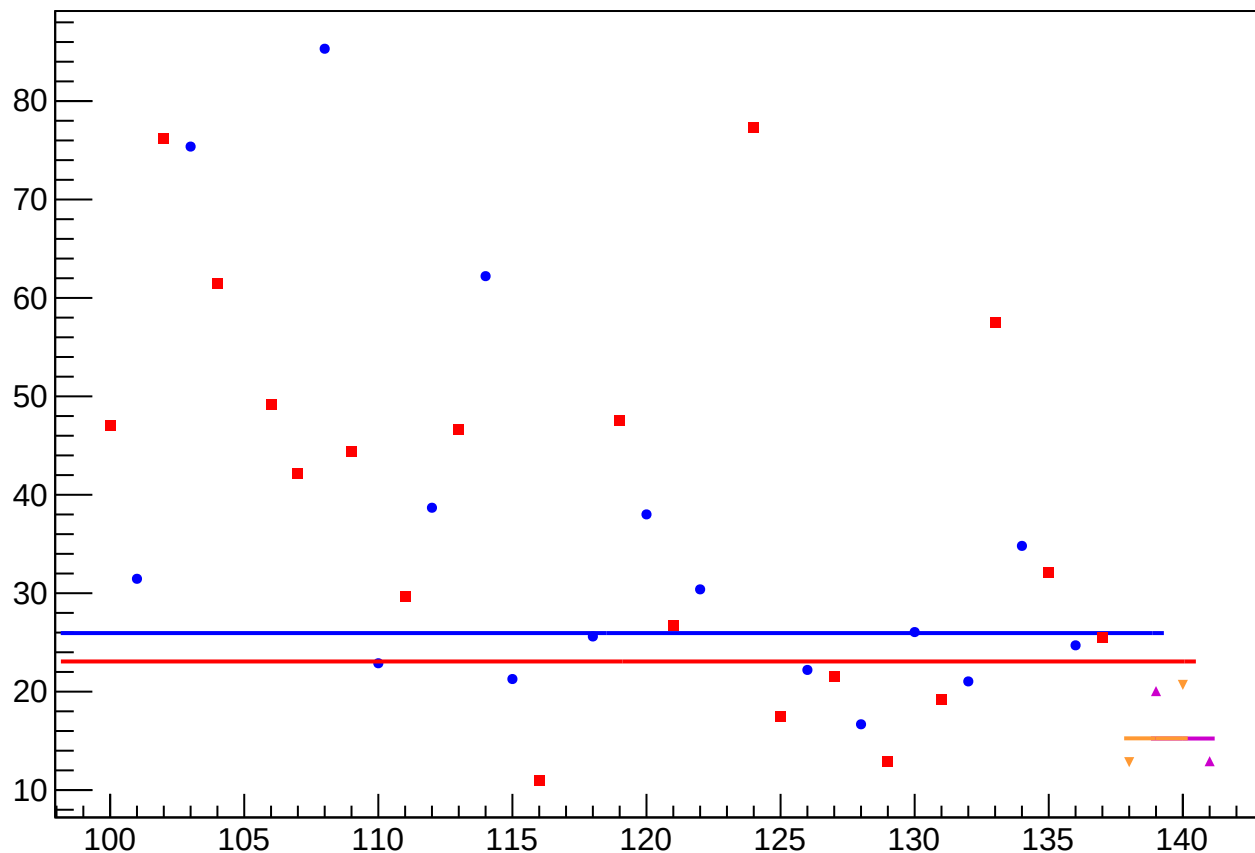
Left In: 0.018 $\pm$ 0.013 χ^2 /NDF: 1.5/1

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 18.6/17

All: 0.020 $\pm$ 0.006 χ^2 /NDF: 27.8/38

- sign 0.022 $\pm$ 0.008 χ^2 /NDF: 9.1/20

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949 $\pm$ 0.008 χ^2 /NDF: 1381638.3/15

Left Out: 15.254 $\pm$ 0.010 χ^2 /NDF:127606.6/1

Right Out: 23.065 $\pm$ 0.007 χ^2 /NDF: 3360857.8/18

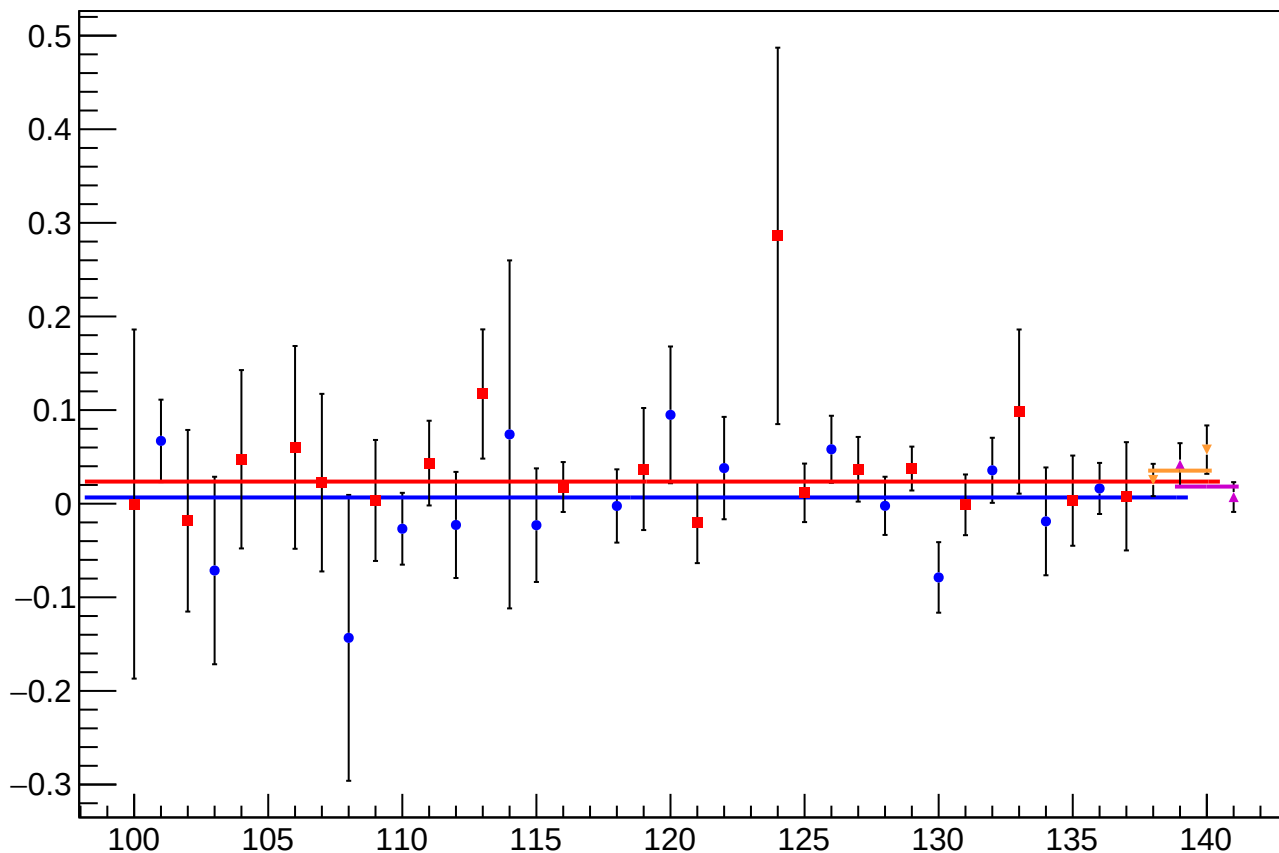
Left In: 15.236 $\pm$ 0.009 χ^2 /NDF:129755.0/1

+ sign 21.946 $\pm$ 0.006 χ^2 /NDF: 2204299.9/17

All: 20.904 $\pm$ 0.004 χ^2 /NDF: 6183134.3/38

- sign 19.997 $\pm$ 0.006 χ^2 /NDF: 3926158.6/20

asym_sam_37_dd_dit_vs_eigen_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

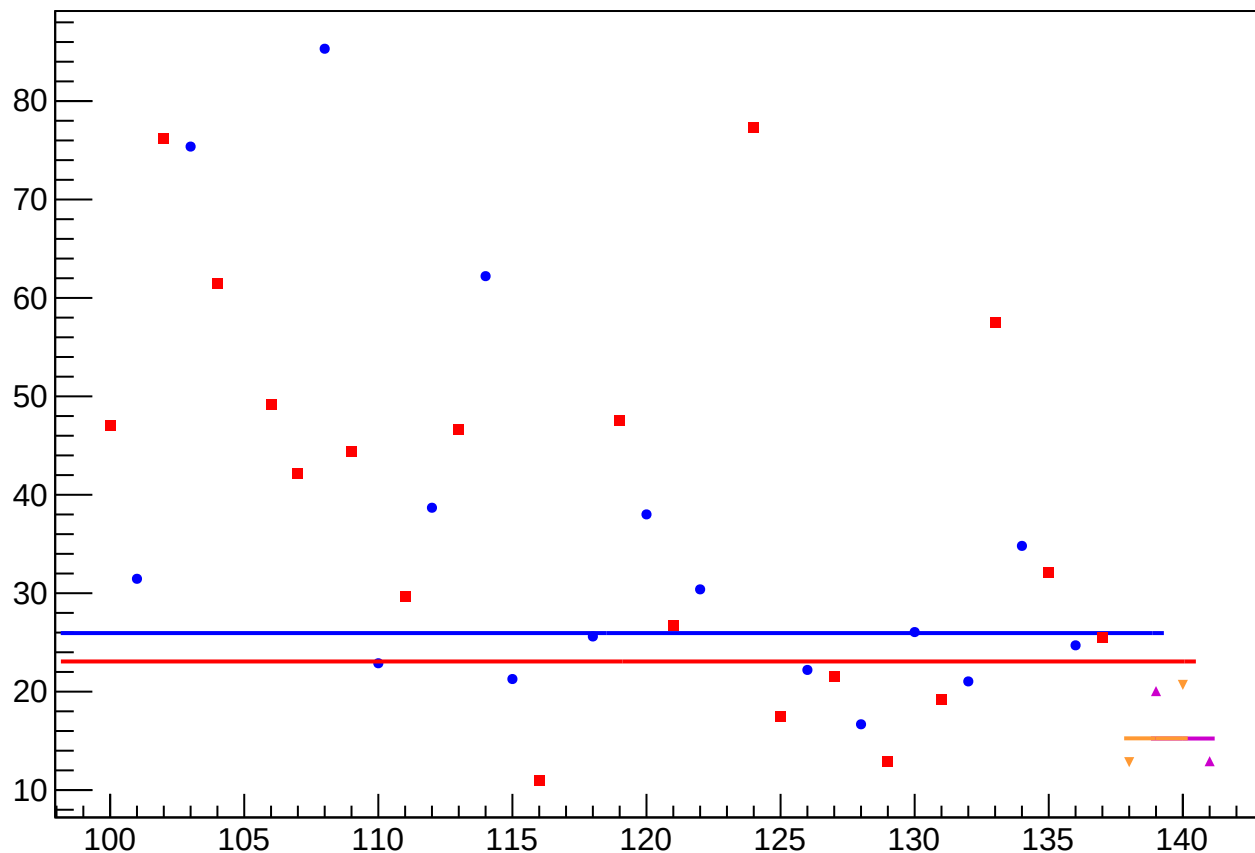
Left In: 0.018 $\pm$ 0.013 χ^2 /NDF: 1.5/1

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 18.6/17

All: 0.020 $\pm$ 0.006 χ^2 /NDF: 27.8/38

- sign 0.022 $\pm$ 0.008 χ^2 /NDF: 9.1/20

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.949 $\pm$ 0.008 χ^2 /NDF: 1381638.3/15

Left Out: 15.254 $\pm$ 0.010 χ^2 /NDF:127606.6/1

Right Out: 23.065 $\pm$ 0.007 χ^2 /NDF: 3360857.8/18

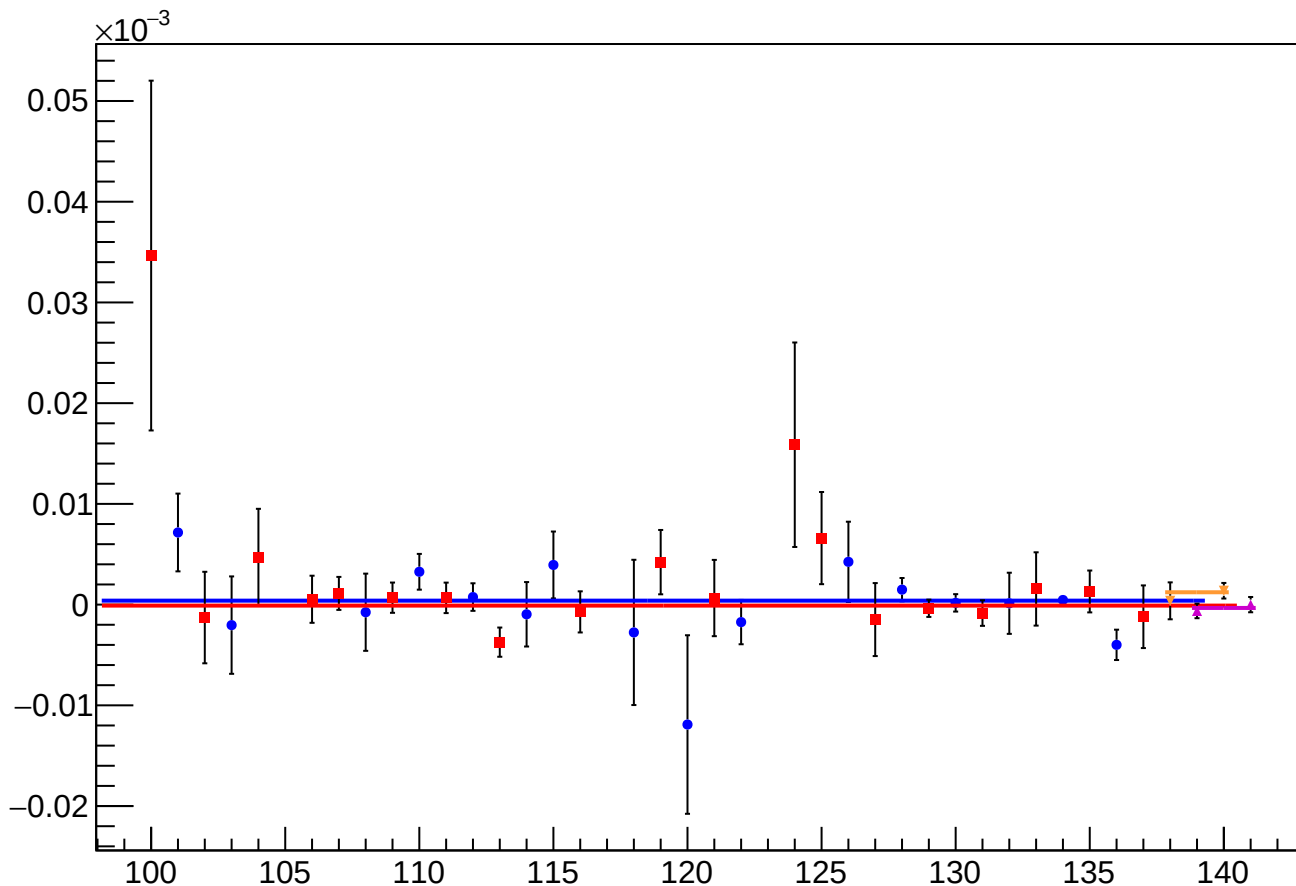
Left In: 15.236 $\pm$ 0.009 χ^2 /NDF:129755.0/1

+ sign 21.946 $\pm$ 0.006 χ^2 /NDF: 2204299.9/17

All: 20.904 $\pm$ 0.004 χ^2 /NDF: 6183134.3/38

- sign 19.997 $\pm$ 0.006 χ^2 /NDF: 3926158.6/20

asym_sam_37_dd_eigen_dit_vs_dit_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 : 0.3/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.4/18

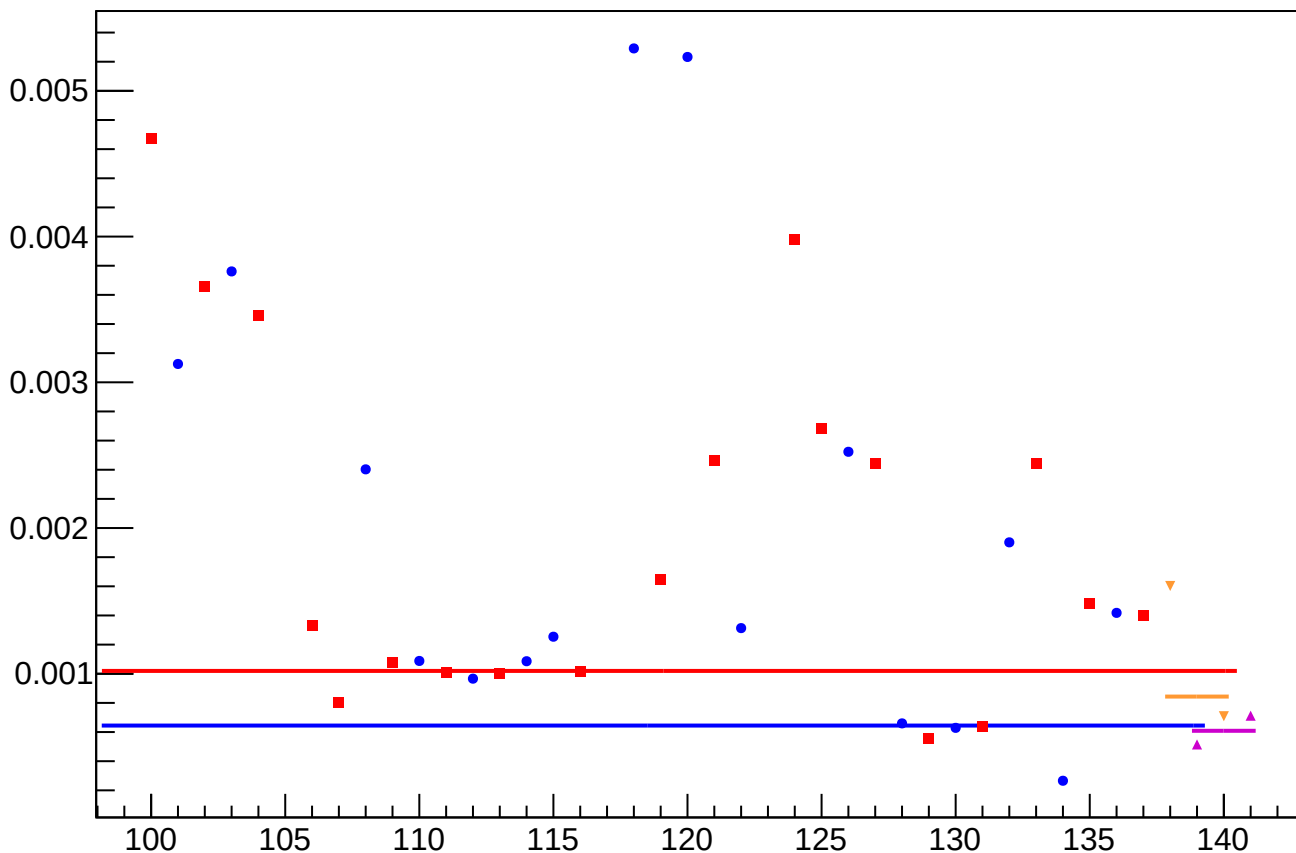
Left In: -0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign 0.000 ± 0.000 χ^2/NDF : 22.2/17

All: 0.000 ± 0.000 χ^2/NDF : 45.8/38

- sign -0.000 ± 0.000 χ^2/NDF : 20.9/20

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

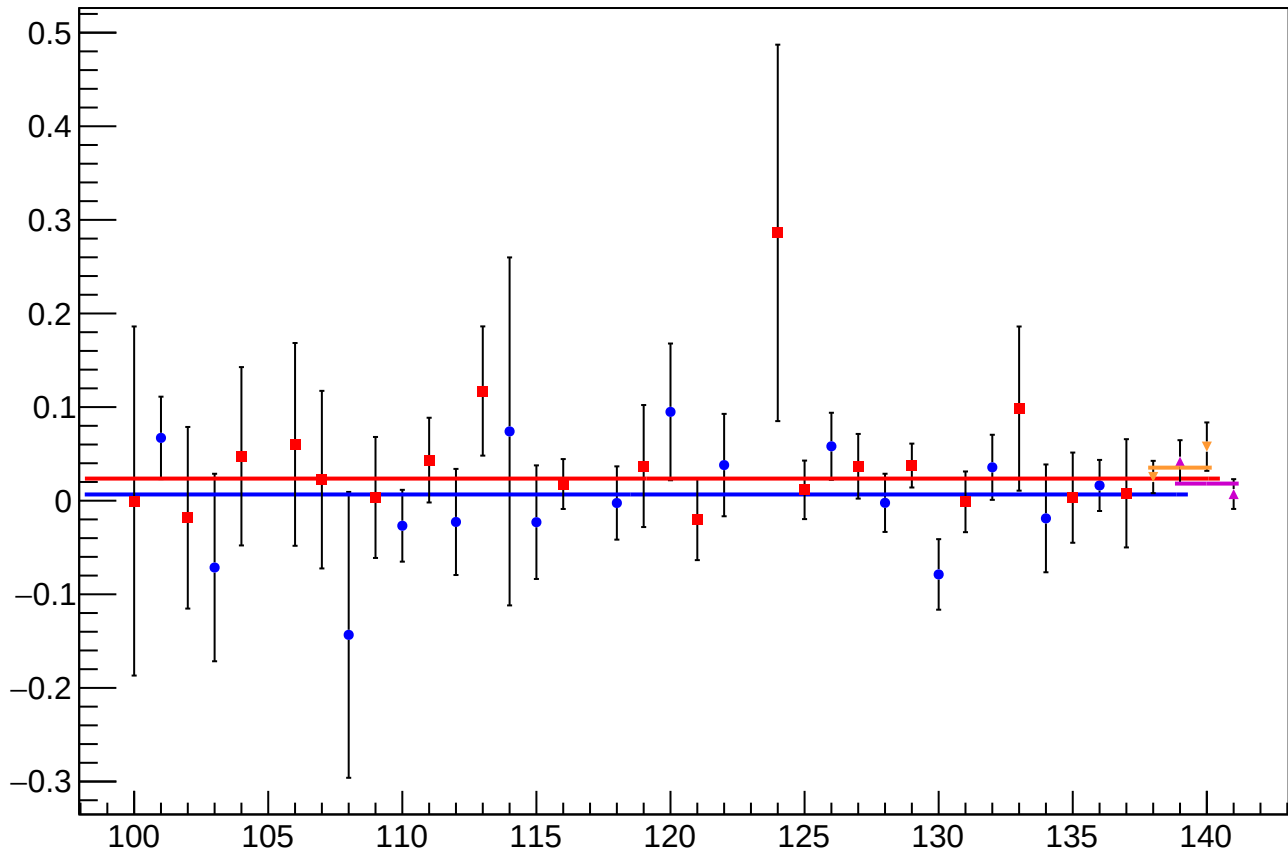
Left In: 0.001+/-0.000 χ^2/NDF : 71067.3/1

+ sign 0.001+/-0.000 χ^2/NDF : 7106106.0/17

All: 0.001+/-0.000 χ^2/NDF : 11801985.7/38

- sign 0.001+/-0.000 χ^2/NDF : 4443330.8/20

asym_sam_37_dd_eigen_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

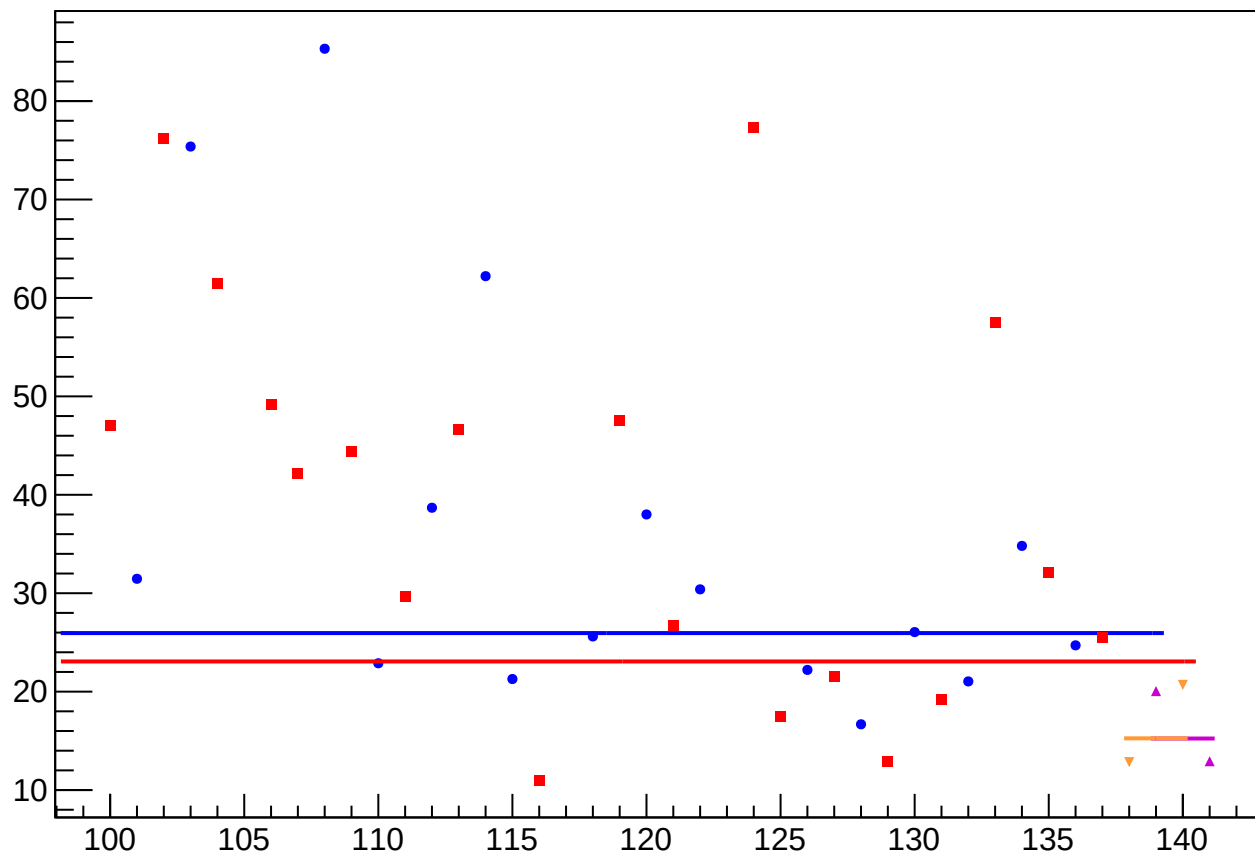
Left In: 0.018 $\pm$ 0.013 χ^2 /NDF: 1.5/1

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 18.6/17

All: 0.020 $\pm$ 0.006 χ^2 /NDF: 27.8/38

- sign 0.022 $\pm$ 0.008 χ^2 /NDF: 9.1/20

asym_sam_37_dd_eigen_dit_vs_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

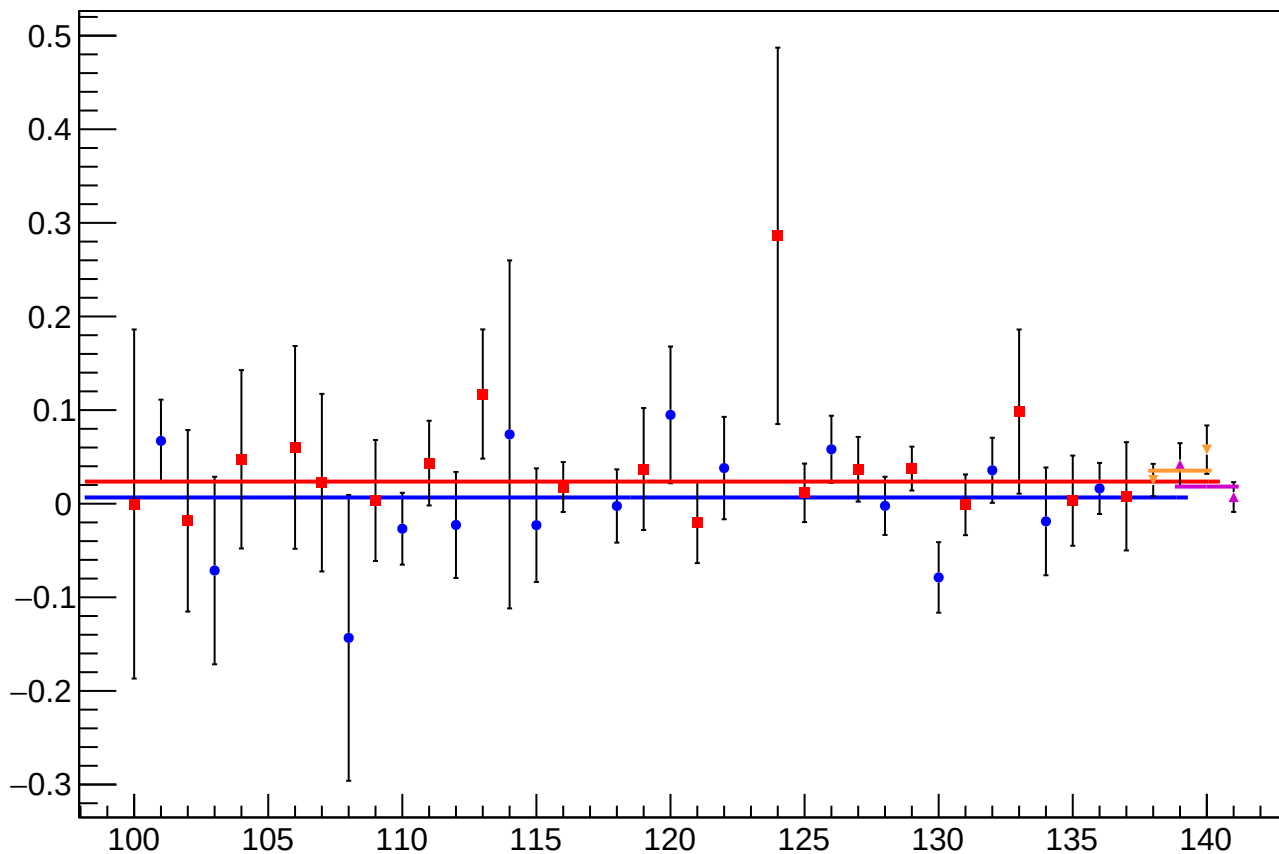
Left In: 15.237 $\pm$ 0.009 χ^2 /NDF:129722.8/1

+ sign 21.946 $\pm$ 0.006 χ^2 /NDF: 2204168.0/17

All: 20.904 $\pm$ 0.004 χ^2 /NDF: 6182824.2/38

- sign 19.998 $\pm$ 0.006 χ^2 /NDF: 3925971.8/20

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 $\chi^2/\text{NDF}: 7.5/18$

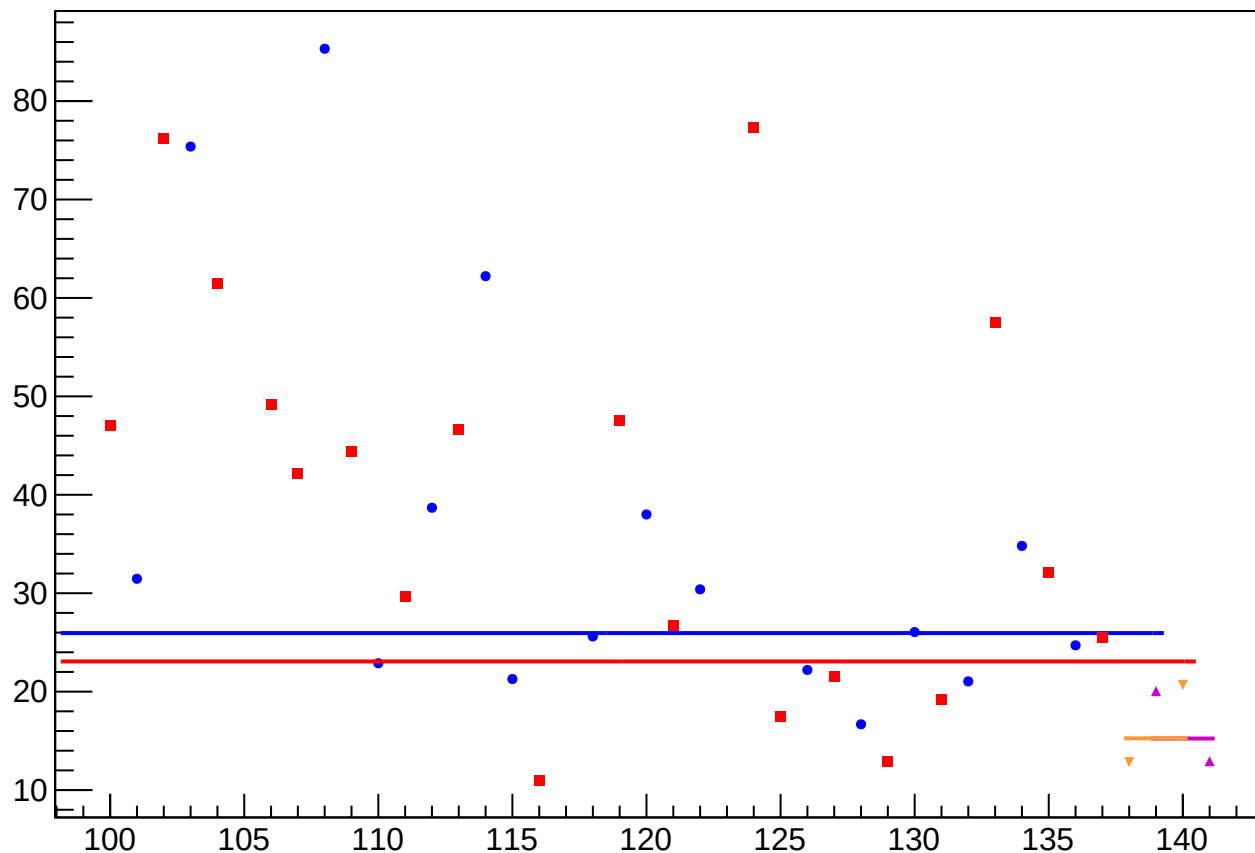
Left In: 0.018 ± 0.013 $\chi^2/\text{NDF}: 1.5/1$

+ sign 0.017 ± 0.009 $\chi^2/\text{NDF}: 18.6/17$

All: 0.020 ± 0.006 $\chi^2/\text{NDF}: 27.8/38$

- sign 0.022 ± 0.008 $\chi^2/\text{NDF}: 9.1/20$

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

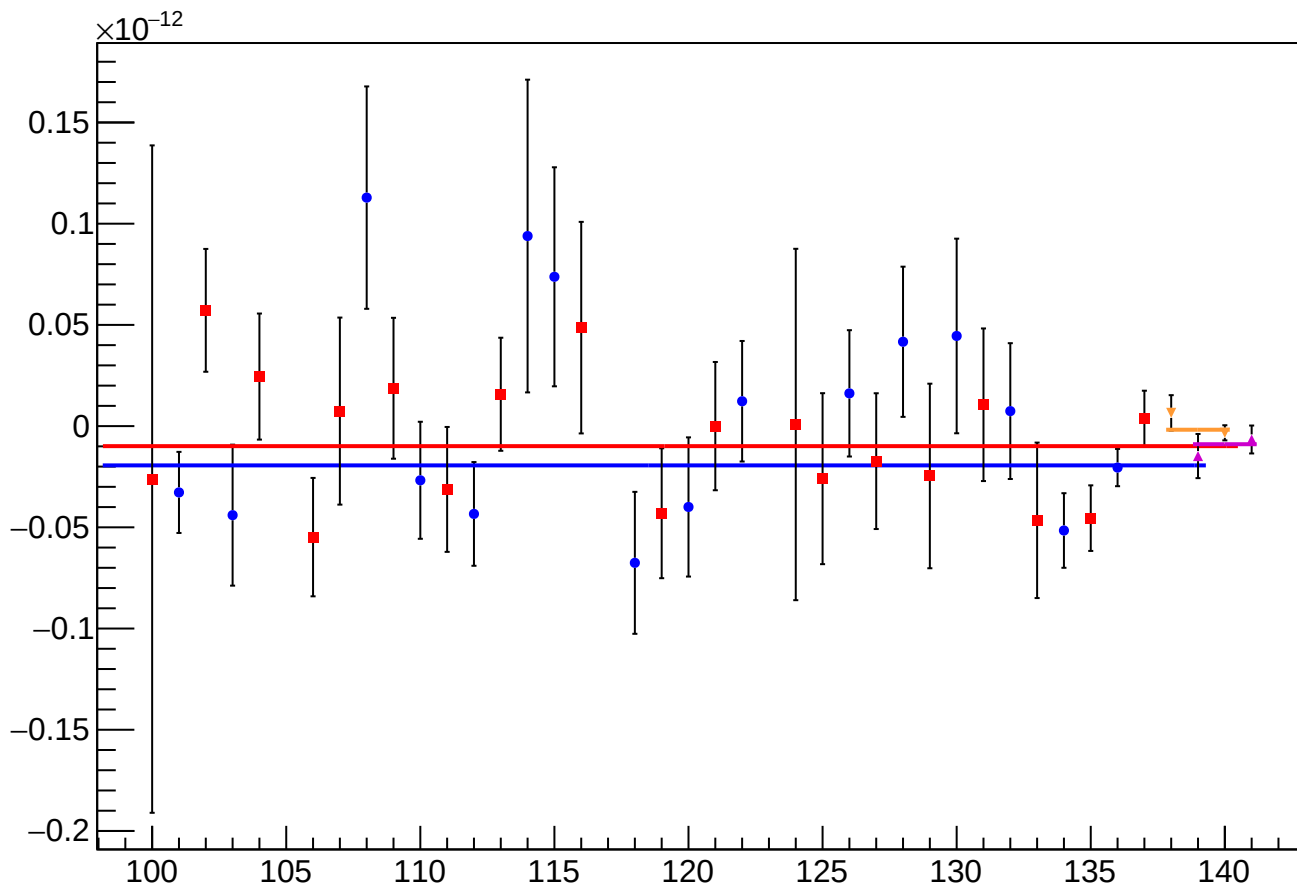
Left In: 15.237 $\pm$ 0.009 χ^2 /NDF:129722.8/1

+ sign 21.946 $\pm$ 0.006 χ^2 /NDF: 2204168.0/17

All: 20.904 $\pm$ 0.004 χ^2 /NDF: 6182824.2/38

- sign 19.998 $\pm$ 0.006 χ^2 /NDF: 3925971.8/20

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

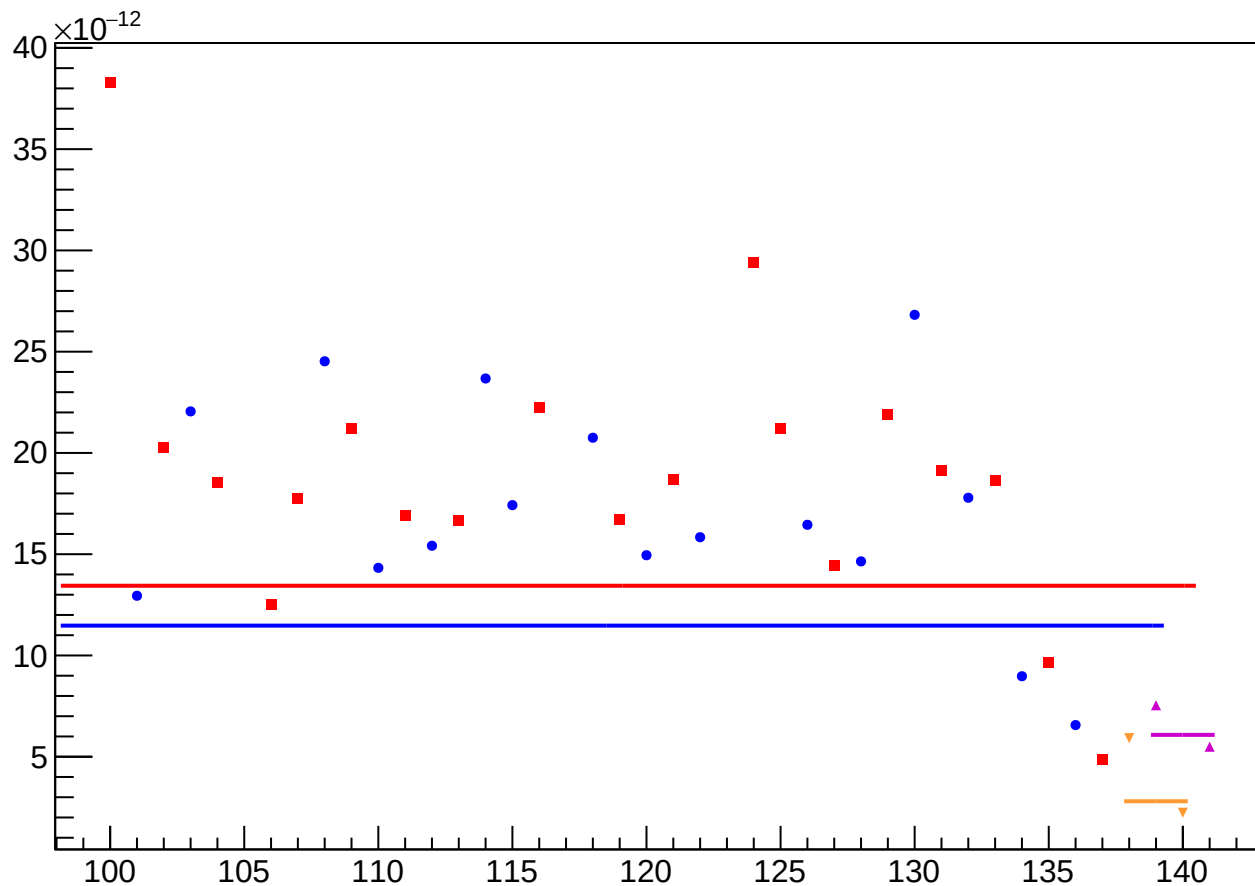
Left In: -0.000+/-0.000 χ^2/NDF : 0.4/1

+ sign -0.000+/-0.000 χ^2/NDF : 33.2/17

All: -0.000+/-0.000 χ^2/NDF : 54.3/38

- sign -0.000+/-0.000 χ^2/NDF : 20.7/20

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 300322.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1672848.8/18

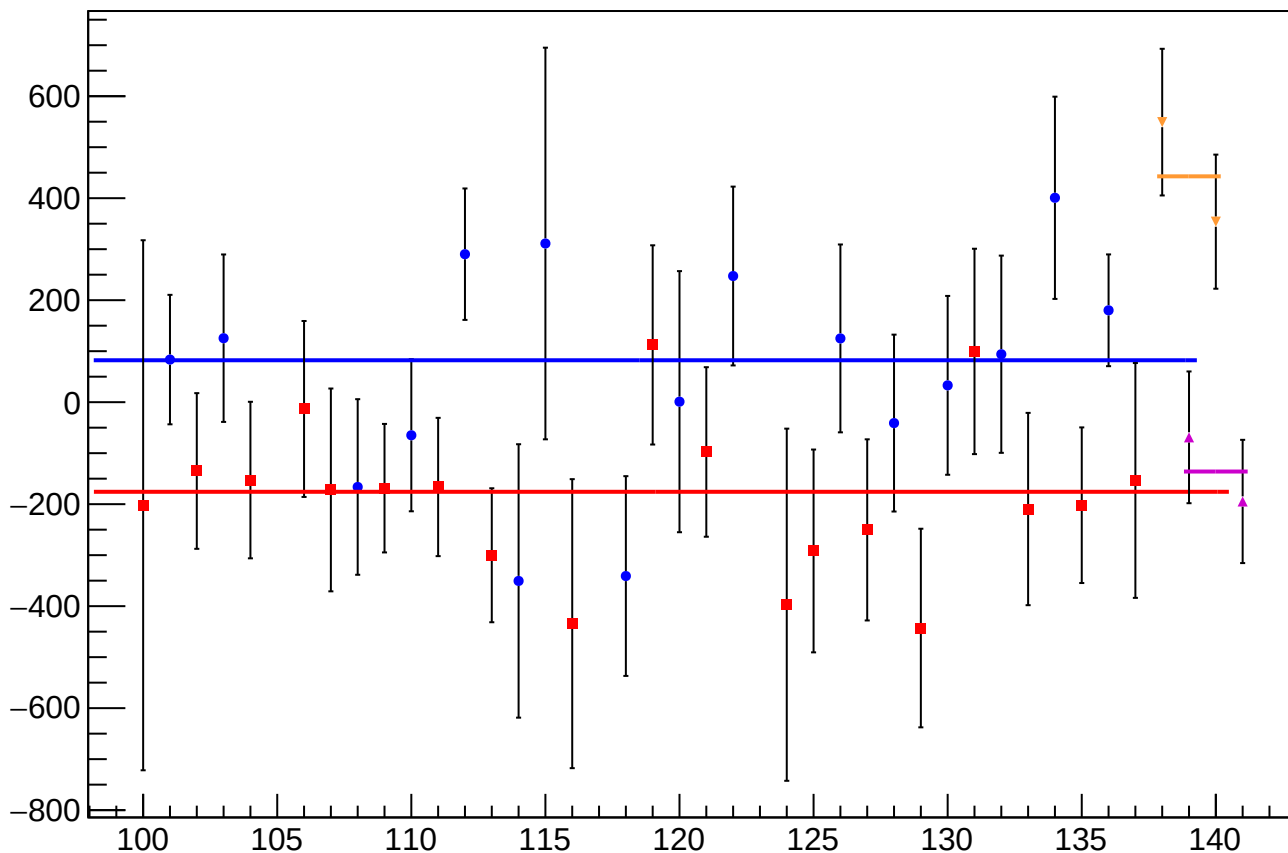
Left In: 0.000+/-0.000 χ^2/NDF : 50281.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 5022045.2/17

All: 0.000+/-0.000 χ^2/NDF : 9395508.6/38

- sign 0.000+/-0.000 χ^2/NDF : 3079957.5/20

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196 $\pm$ 42.133 χ^2/NDF : 18.4/15

Left Out: 442.862 $\pm$ 97.036 χ^2/NDF : 1.0/1

Right Out: -175.732 $\pm$ 40.673 χ^2/NDF : 9.9/18

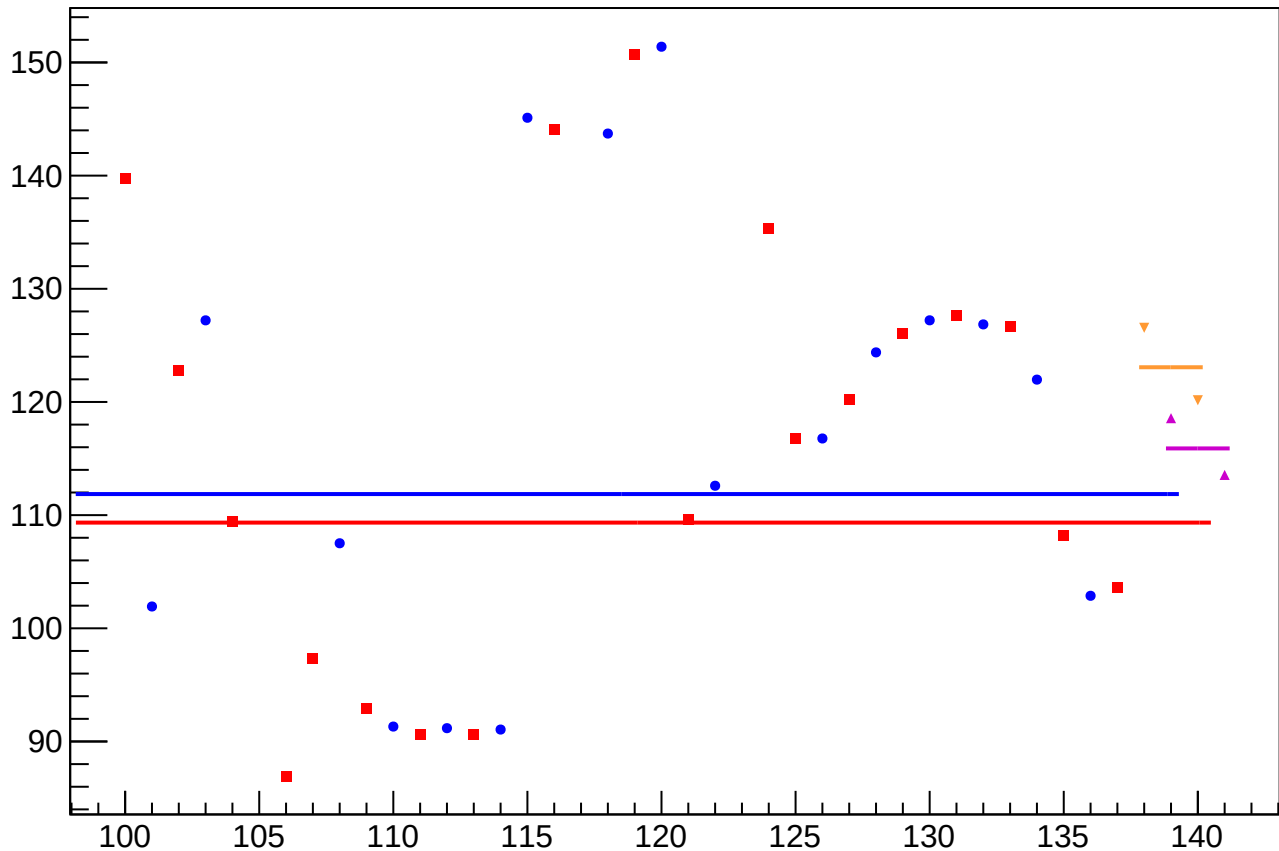
Left In: -135.996 $\pm$ 88.249 χ^2/NDF : 0.5/1

+ sign 139.406 $\pm$ 38.647 χ^2/NDF : 31.0/17

All: -21.646 $\pm$ 26.703 χ^2/NDF : 74.8/38

- sign -168.770 $\pm$ 36.938 χ^2/NDF : 10.5/20

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

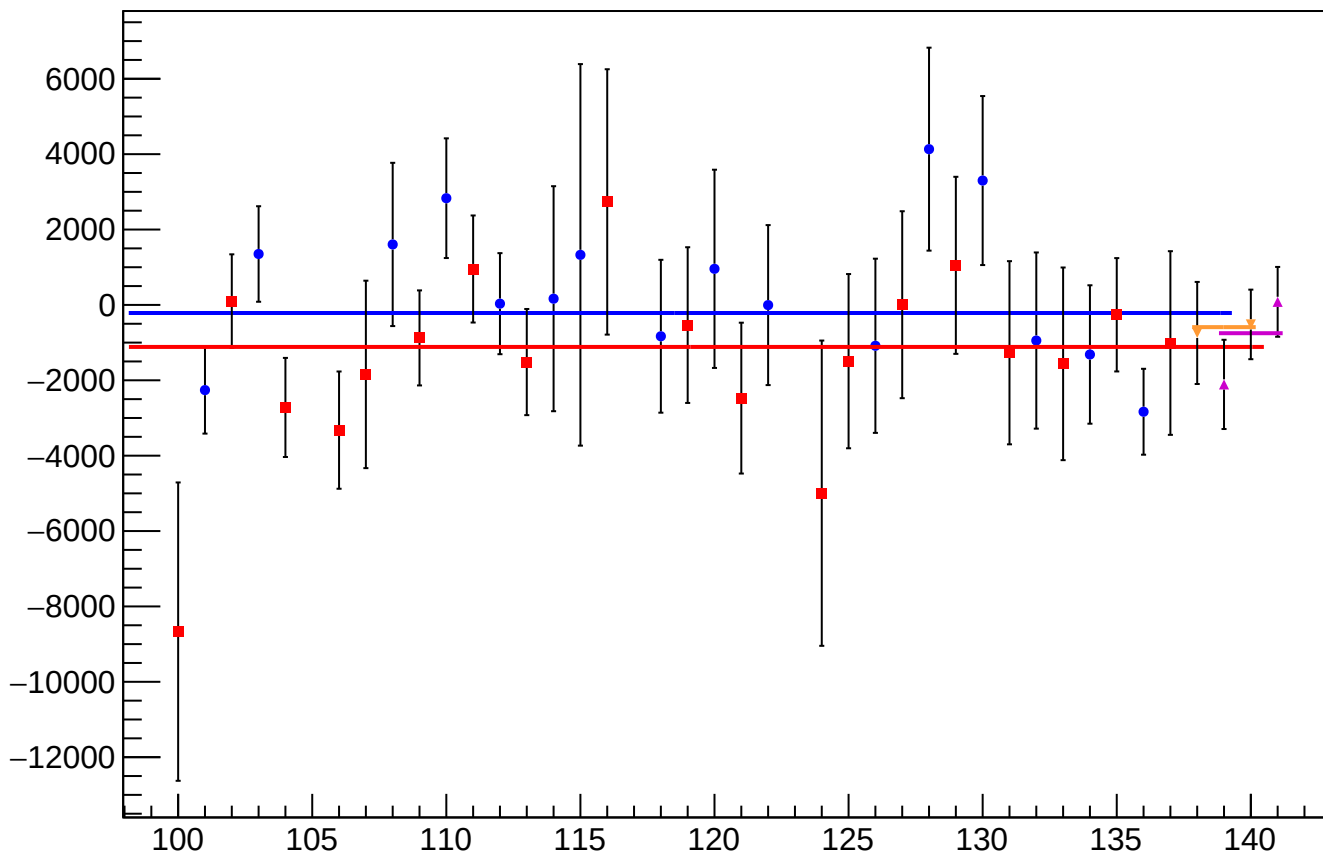
Left In: 115.895 $\pm$ 0.062 χ^2 /NDF:1606.7/1

+ sign 113.639 $\pm$ 0.027 χ^2 /NDF: 330621.1/17

All: 111.993 $\pm$ 0.019 χ^2 /NDF: 715494.7/38

- sign 110.489 $\pm$ 0.026 χ^2 /NDF: 377926.5/20

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187 ± 443.962 χ^2/NDF : 20.4/15

Left Out: -589.238 ± 762.605 χ^2/NDF : 0.0/1

Right Out: -1114.700 ± 423.039 χ^2/NDF : 14.5/18

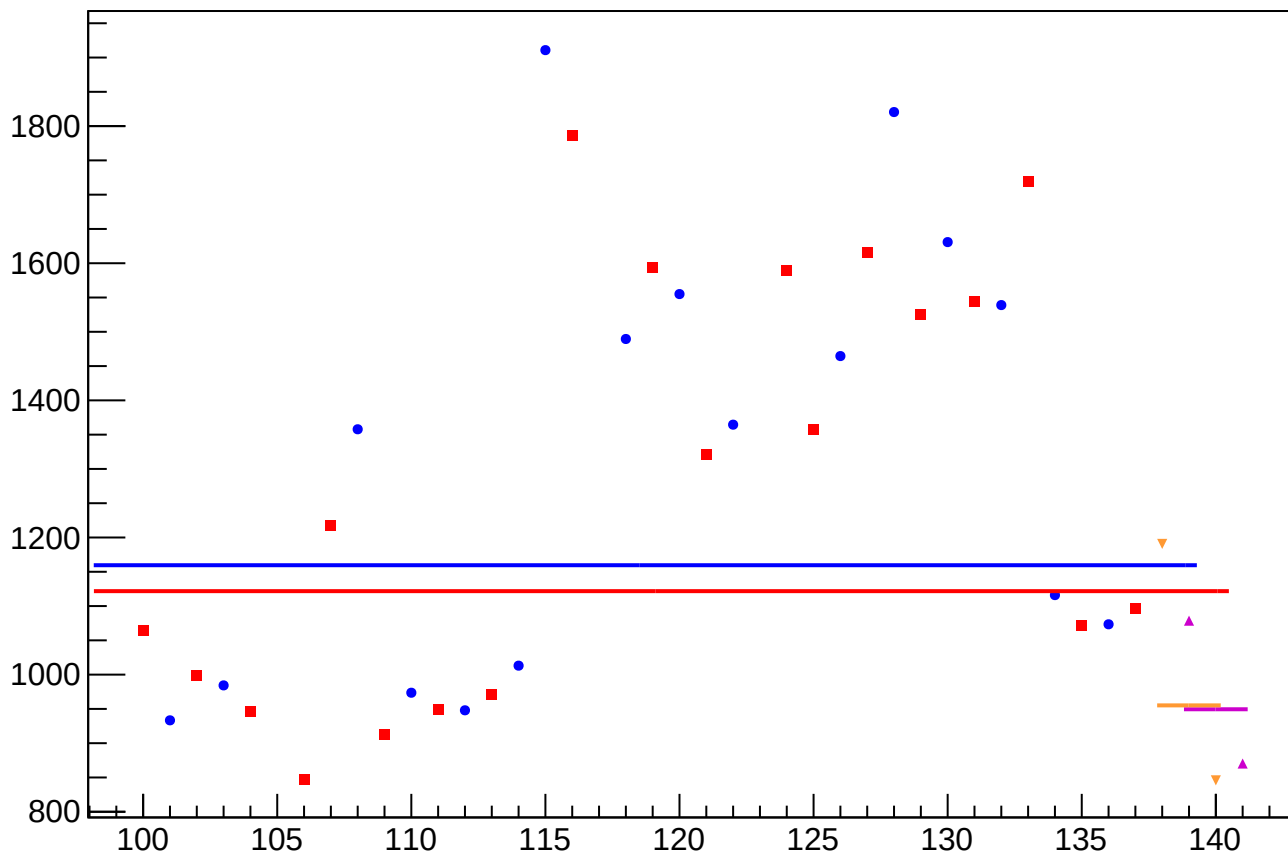
Left In: -750.548 ± 729.501 χ^2/NDF : 2.1/1

+ sign -309.123 ± 383.680 χ^2/NDF : 20.6/17

All: -682.960 ± 264.815 χ^2/NDF : 39.3/38

- sign -1023.059 ± 365.957 χ^2/NDF : 16.8/20

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

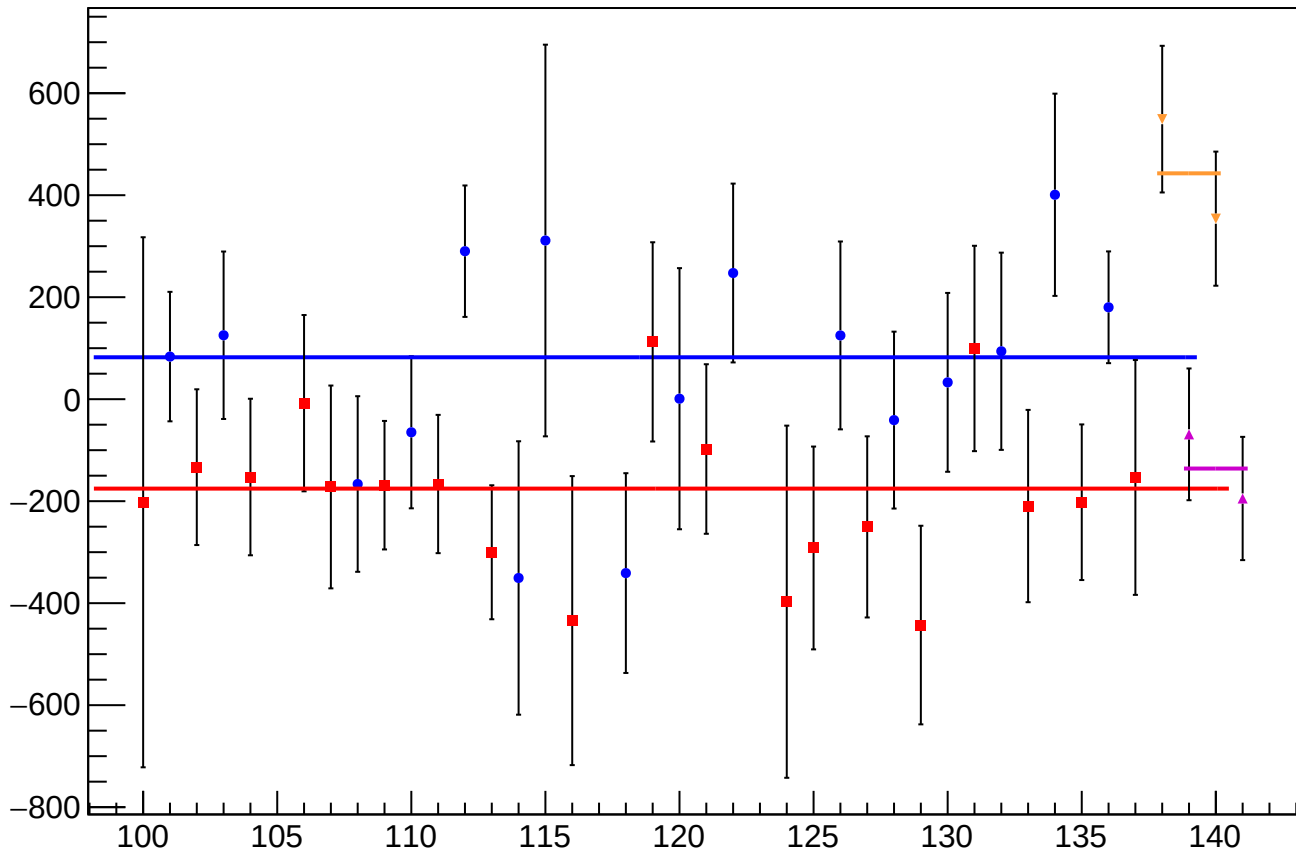
Left In: 949.483 $\pm$ 0.516 χ^2 /NDF: 38432.3/1

+ sign 1107.823 $\pm$ 0.271 χ^2 /NDF: 879577.7/17

All: 1092.416 $\pm$ 0.187 χ^2 /NDF: 1789905.4/38

- sign 1078.399 $\pm$ 0.259 χ^2 /NDF: 904168.6/20

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 $\pm$ 42.133 χ^2 /NDF: 18.4/15

Left Out: 442.870 $\pm$ 97.036 χ^2 /NDF: 1.0/1

Right Out: -175.338 $\pm$ 40.678 χ^2 /NDF: 9.9/18

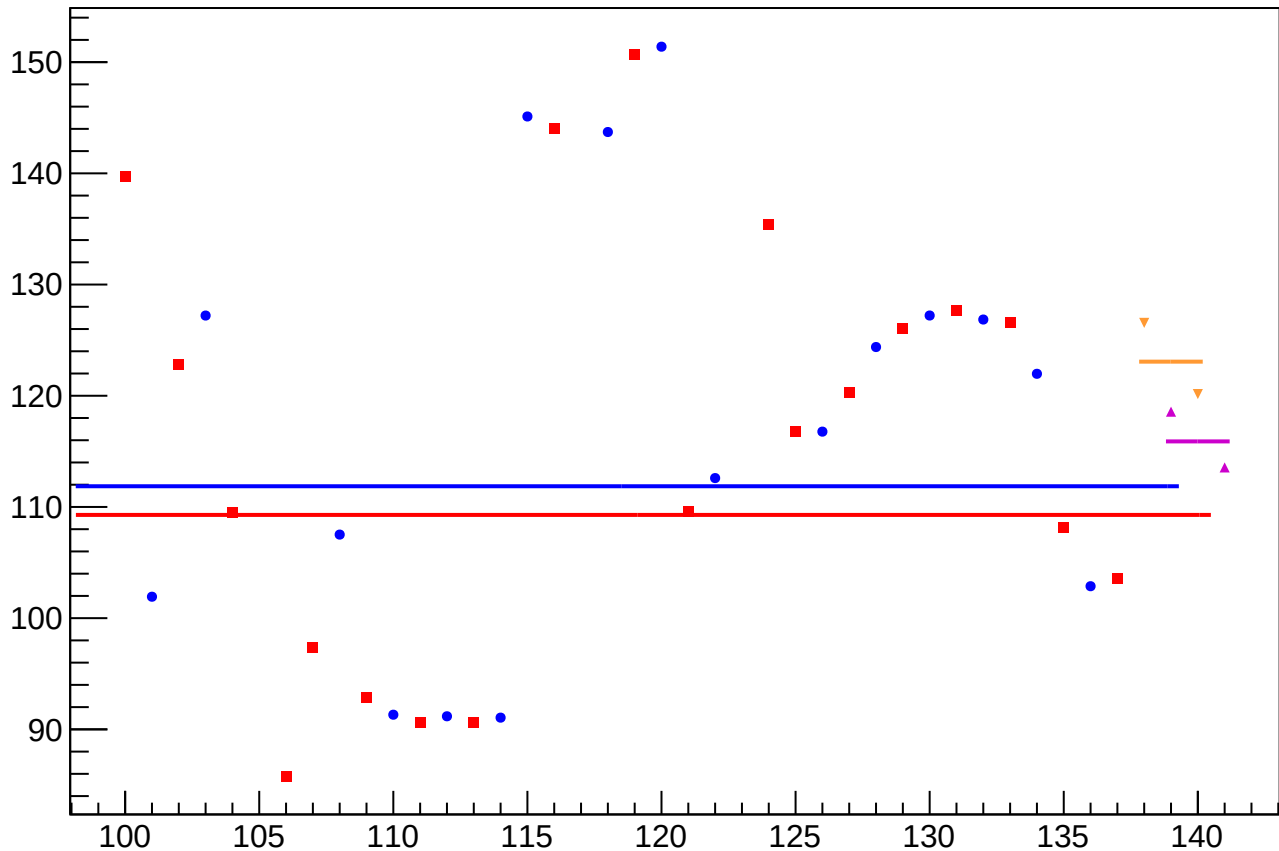
Left In: -136.008 $\pm$ 88.249 χ^2 /NDF: 0.5/1

+ sign 139.398 $\pm$ 38.647 χ^2 /NDF: 31.0/17

All: -21.464 $\pm$ 26.705 χ^2 /NDF: 74.8/38

- sign -168.446 $\pm$ 36.942 χ^2 /NDF: 10.6/20

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

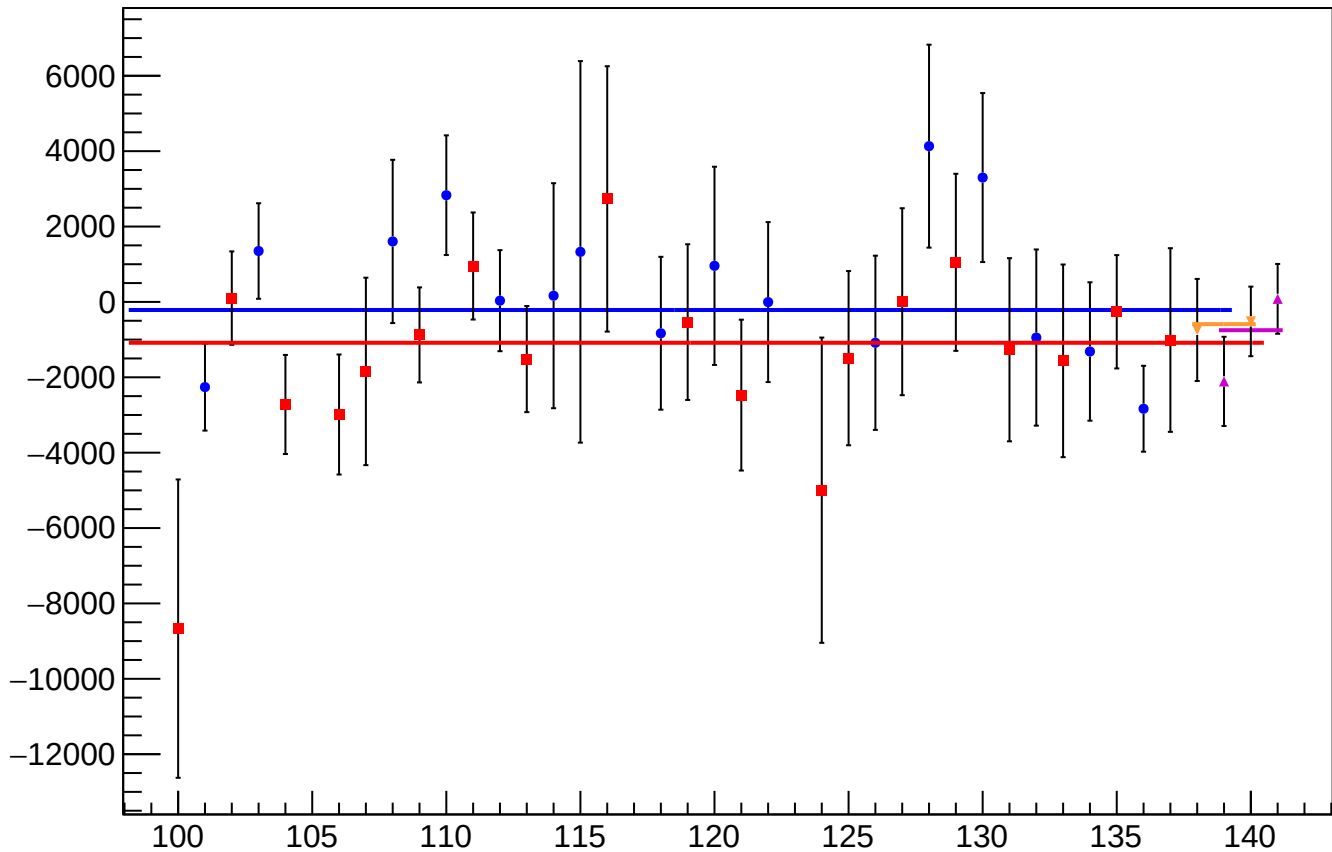
Left In: 115.895 $\pm$ 0.062 χ^2/NDF : 1606.7/1

+ sign 113.639 $\pm$ 0.027 χ^2/NDF : 330622.1/17

All: 111.969 $\pm$ 0.019 χ^2/NDF : 719347.3/38

- sign 110.443 $\pm$ 0.026 χ^2/NDF : 381574.3/20

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

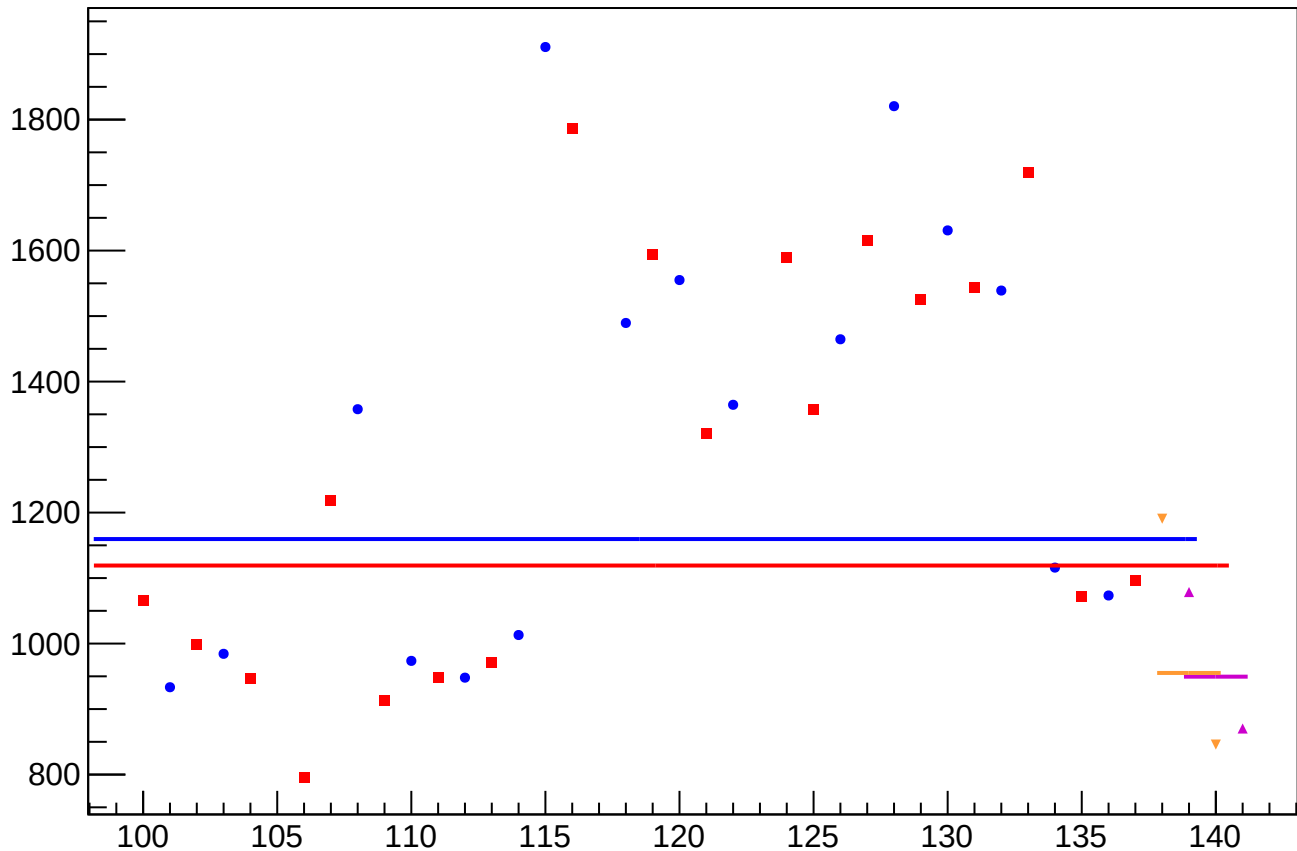
Left In: -750.574+/-729.501 χ^2/NDF : 2.1/1

+ sign -309.189+/-383.682 χ^2/NDF : 20.6/17

All: -670.382+/-264.996 χ^2/NDF : 38.5/38

- sign -999.830+/-366.433 χ^2/NDF : 16.2/20

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576 $\pm$ 0.314 χ^2 /NDF: 683662.2/15

Left Out: 955.148 $\pm$ 0.539 χ^2 /NDF: 88555.3/1

Right Out: 1119.156 $\pm$ 0.300 χ^2 /NDF: 803154.6/18

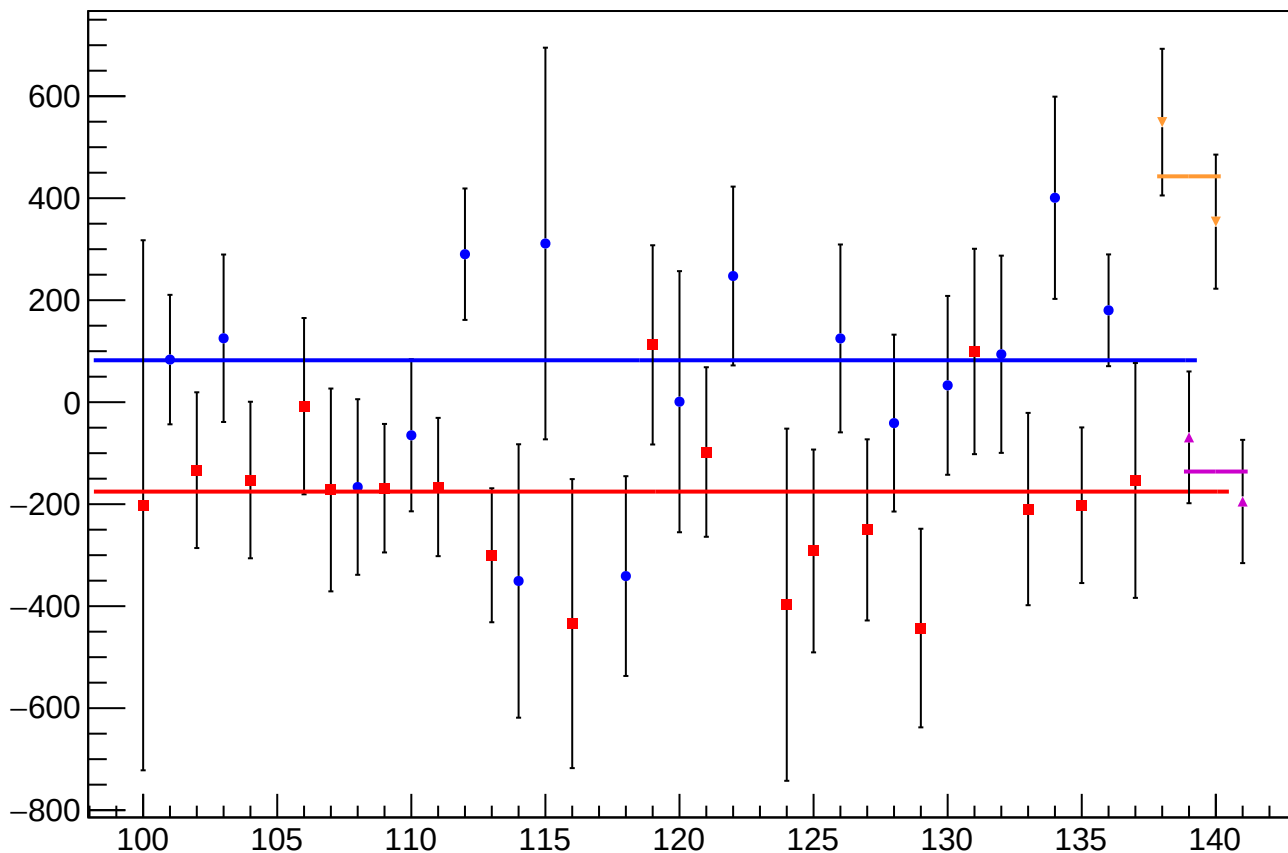
Left In: 949.483 $\pm$ 0.516 χ^2 /NDF: 38431.6/1

+ sign 1107.829 $\pm$ 0.271 χ^2 /NDF: 879557.1/17

All: 1091.364 $\pm$ 0.187 χ^2 /NDF: 1809081.7/38

- sign 1076.345 $\pm$ 0.259 χ^2 /NDF: 922481.5/20

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 $\chi^2/\text{NDF}: 9.9/18$

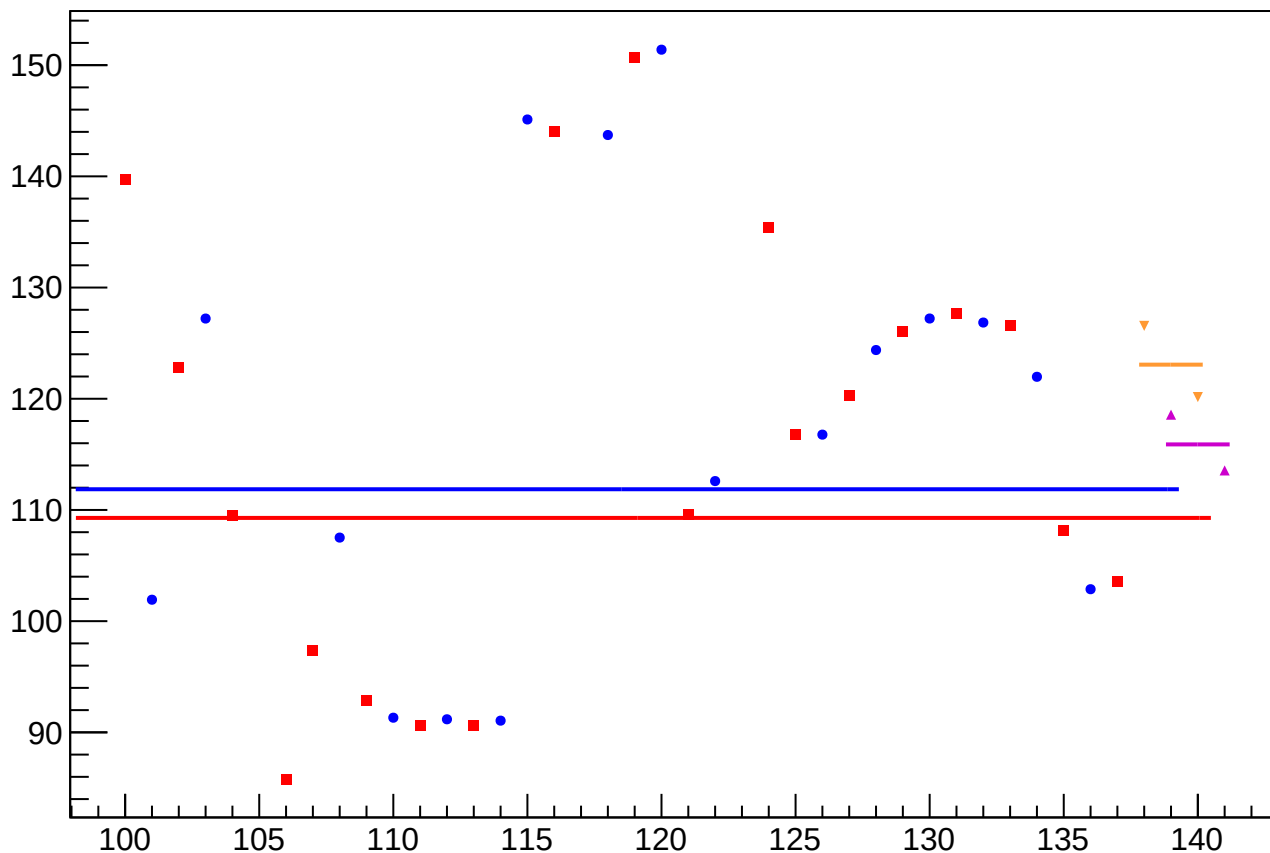
Left In: -136.008 ± 88.249 $\chi^2/\text{NDF}: 0.5/1$

+ sign 139.398 ± 38.647 $\chi^2/\text{NDF}: 31.0/17$

All: -21.464 ± 26.705 $\chi^2/\text{NDF}: 74.8/38$

- sign -168.446 ± 36.942 $\chi^2/\text{NDF}: 10.6/20$

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

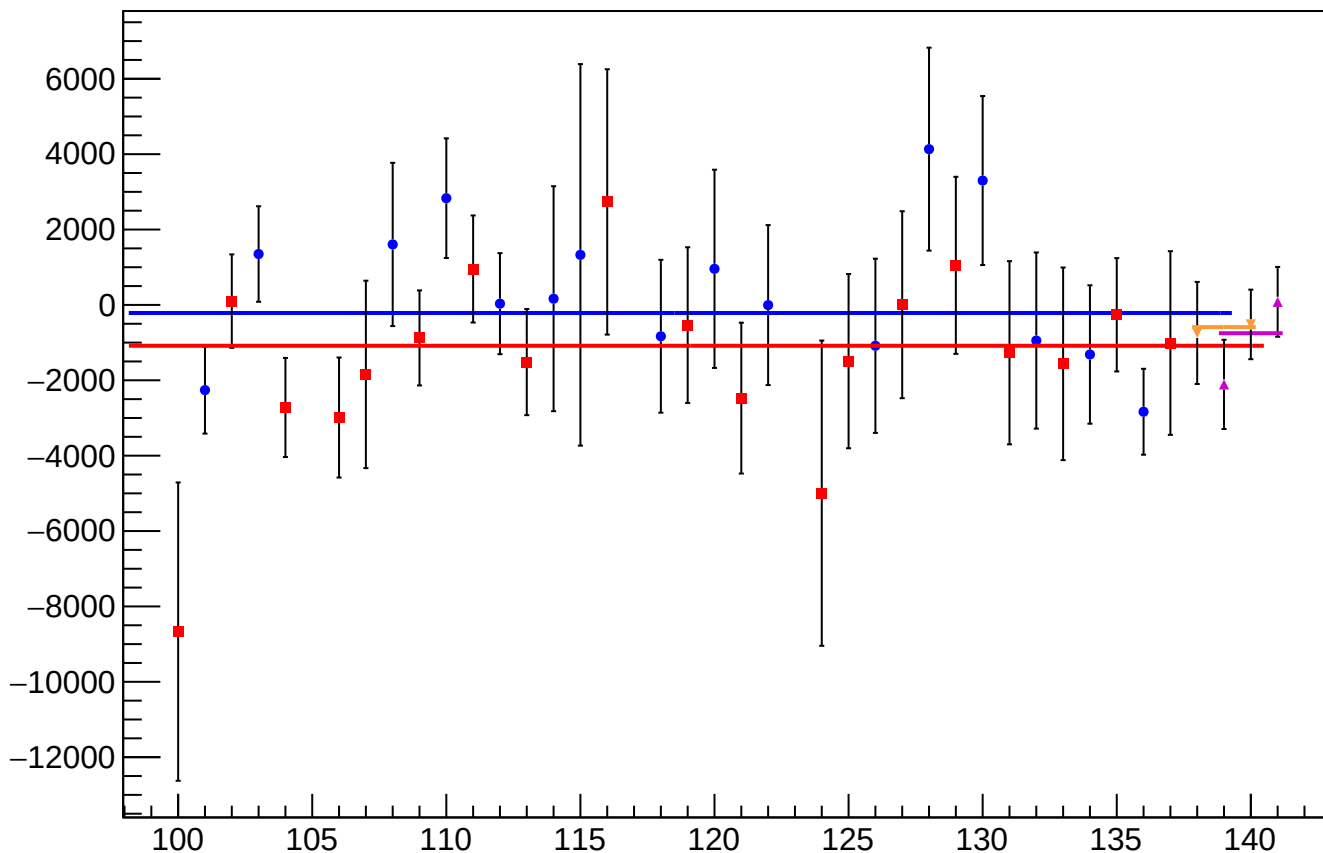
Left In: 115.895 $\pm$ 0.062 χ^2/NDF : 1606.7/1

+ sign 113.639 $\pm$ 0.027 χ^2/NDF : 330622.1/17

All: 111.969 $\pm$ 0.019 χ^2/NDF : 719347.3/38

- sign 110.443 $\pm$ 0.026 χ^2/NDF : 381574.3/20

asym_sam_48_dd_eigen_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

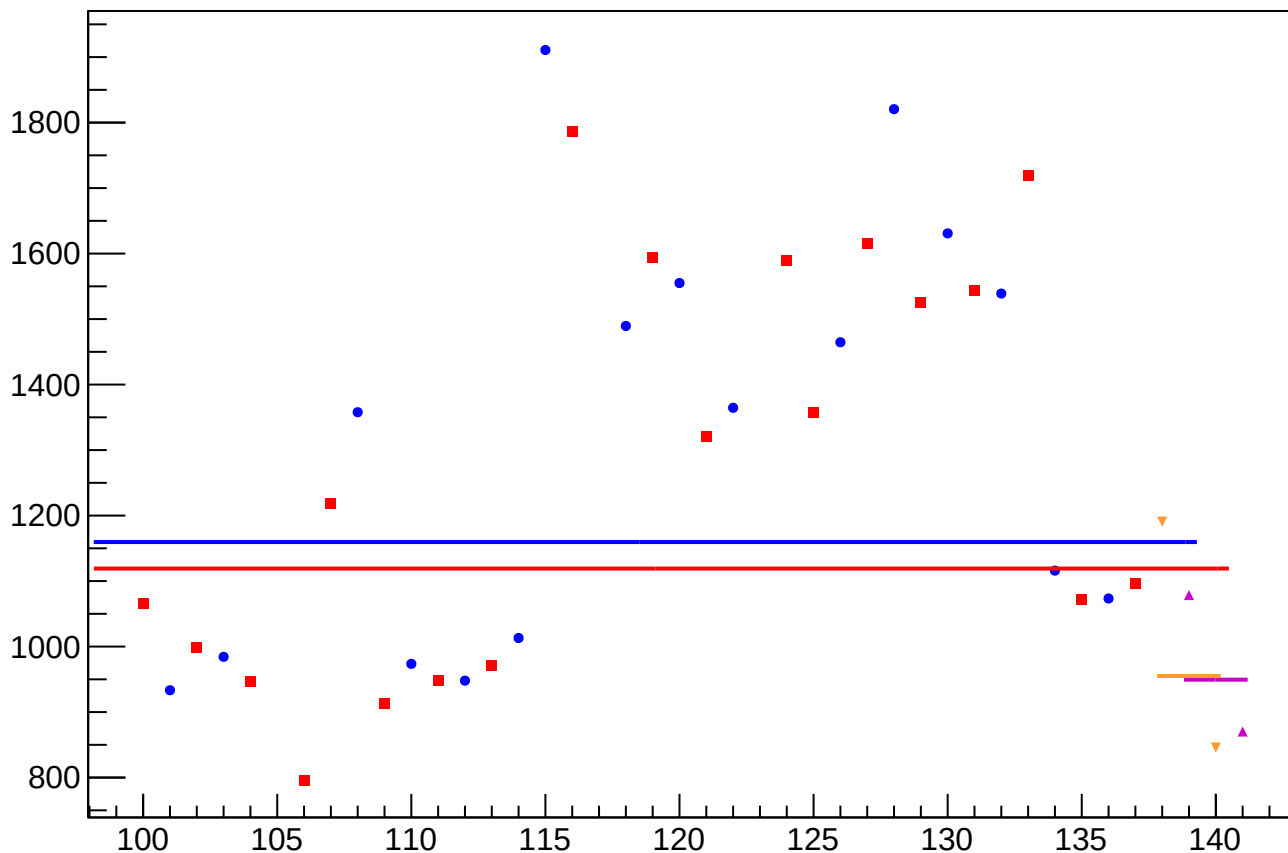
Left In: -750.574+/-729.501 χ^2/NDF : 2.1/1

+ sign -309.189+/-383.682 χ^2/NDF : 20.6/17

All: -670.382+/-264.996 χ^2/NDF : 38.5/38

- sign -999.830+/-366.433 χ^2/NDF : 16.2/20

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576 $\pm$ 0.314 χ^2 /NDF: 683662.2/15

Left Out: 955.148 $\pm$ 0.539 χ^2 /NDF: 88555.3/1

Right Out: 1119.156 $\pm$ 0.300 χ^2 /NDF: 803154.6/18

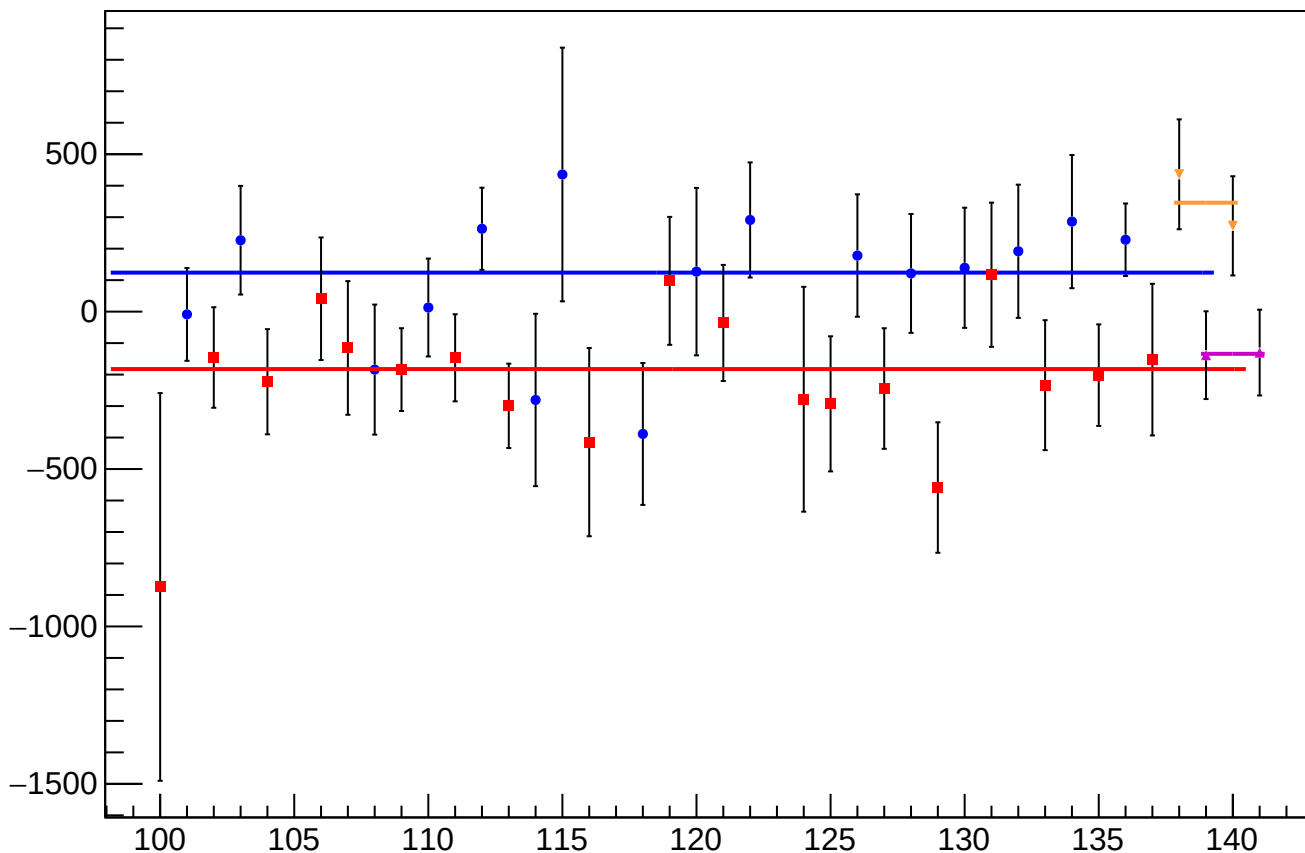
Left In: 949.483 $\pm$ 0.516 χ^2 /NDF: 38431.6/1

+ sign 1107.829 $\pm$ 0.271 χ^2 /NDF: 879557.1/17

All: 1091.364 $\pm$ 0.187 χ^2 /NDF: 1809081.7/38

- sign 1076.345 $\pm$ 0.259 χ^2 /NDF: 922481.5/20

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

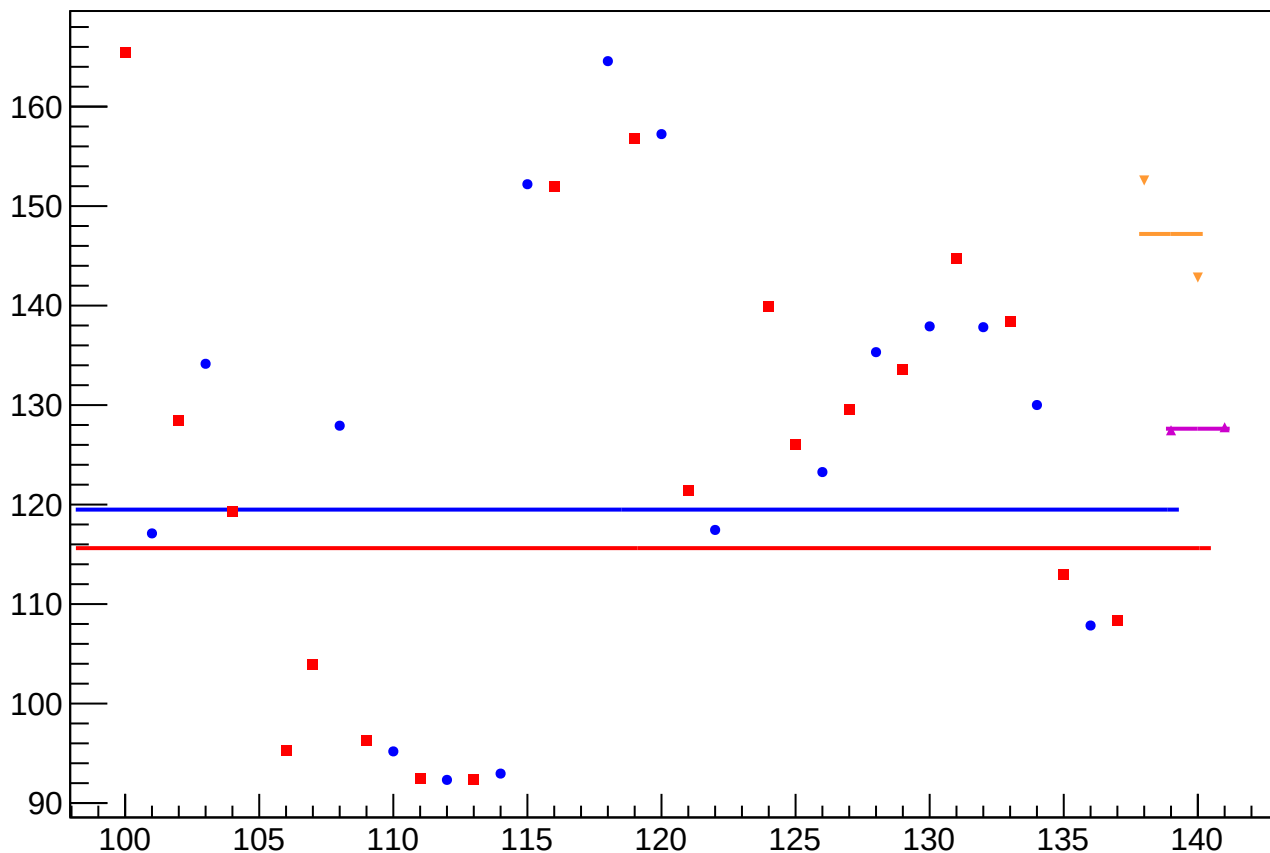
Left In: -134.094 $\pm$ 97.422 χ^2 /NDF: 0.0/1

+ sign 152.798 $\pm$ 42.192 χ^2 /NDF: 19.0/17

All: -21.588 $\pm$ 28.839 χ^2 /NDF: 63.6/38

- sign -174.511 $\pm$ 39.510 χ^2 /NDF: 12.5/20

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

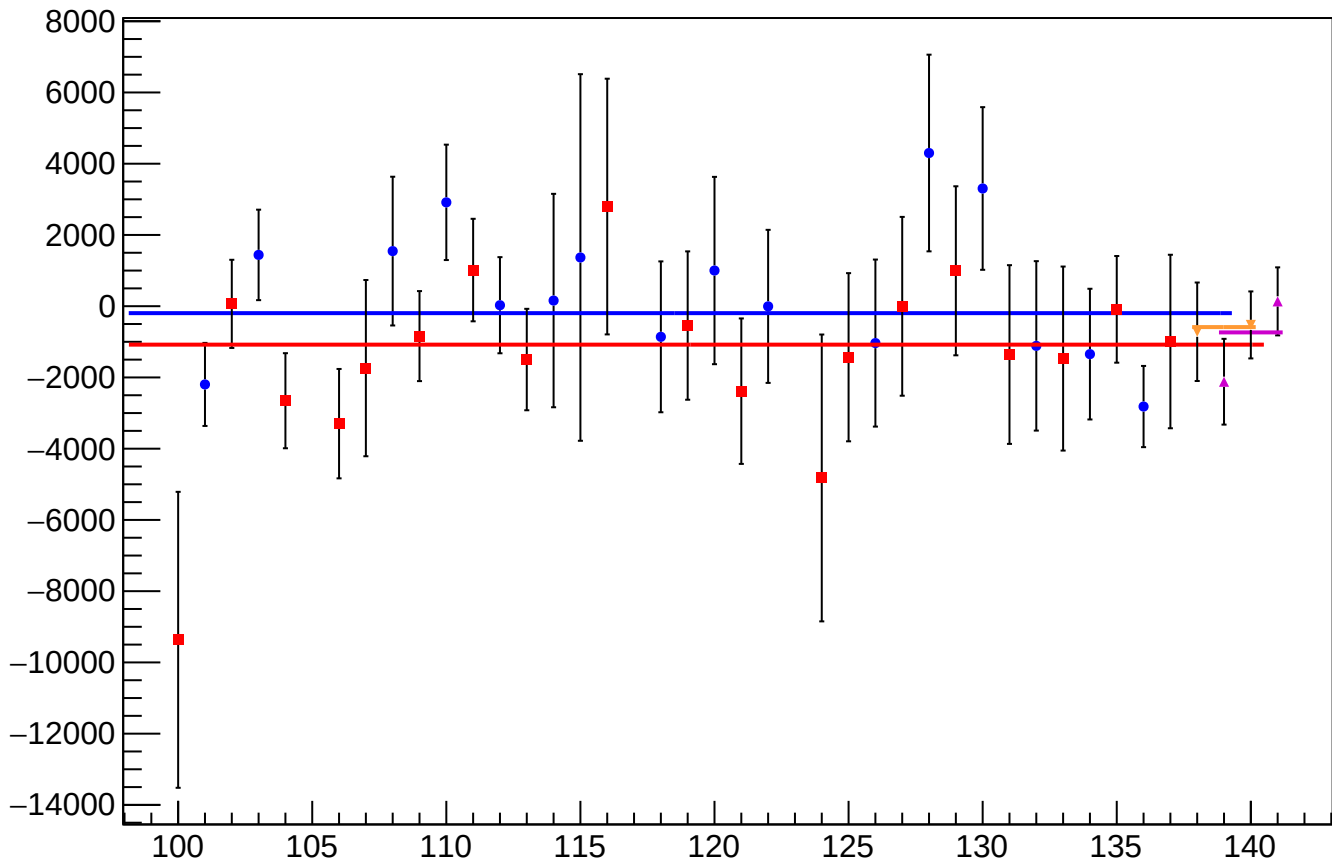
Left In: 127.626 $\pm$ 0.069 χ^2 /NDF:4.9/1

+ sign 123.101 $\pm$ 0.030 χ^2 /NDF: 481333.8/17

All: 120.168 $\pm$ 0.020 χ^2 /NDF: 951807.6/38

- sign 117.596 $\pm$ 0.028 χ^2 /NDF: 452336.8/20

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

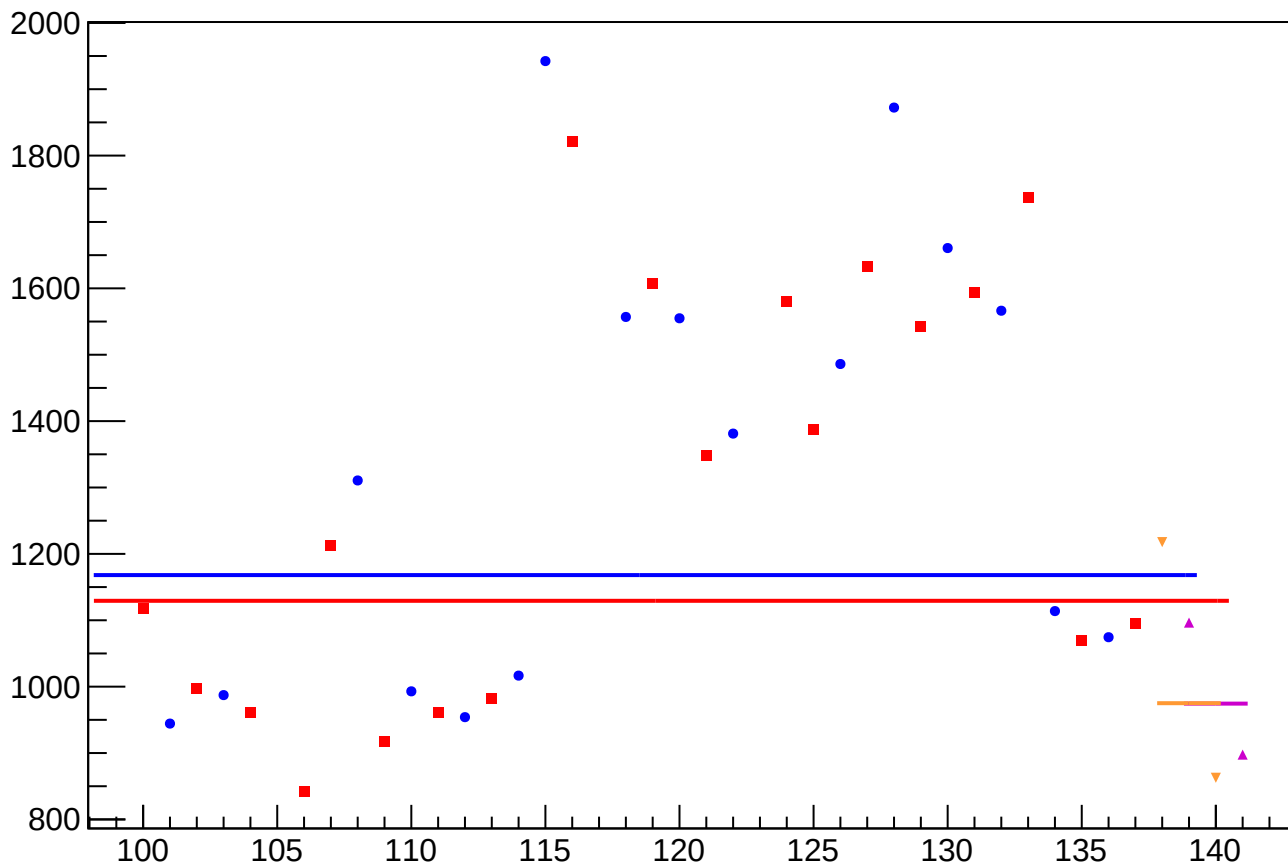
Left In: -735.814+/-748.081 χ^2/NDF : 2.2/1

+ sign -292.398+/-387.752 χ^2/NDF : 20.6/17

All: -660.149+/-267.743 χ^2/NDF : 39.2/38

- sign -995.274+/-370.153 χ^2/NDF : 16.9/20

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF : 709363.8/15

Left Out: 975.084+/-0.550 χ^2/NDF : 90151.2/1

Right Out: 1129.316+/-0.301 χ^2/NDF : 807222.5/18

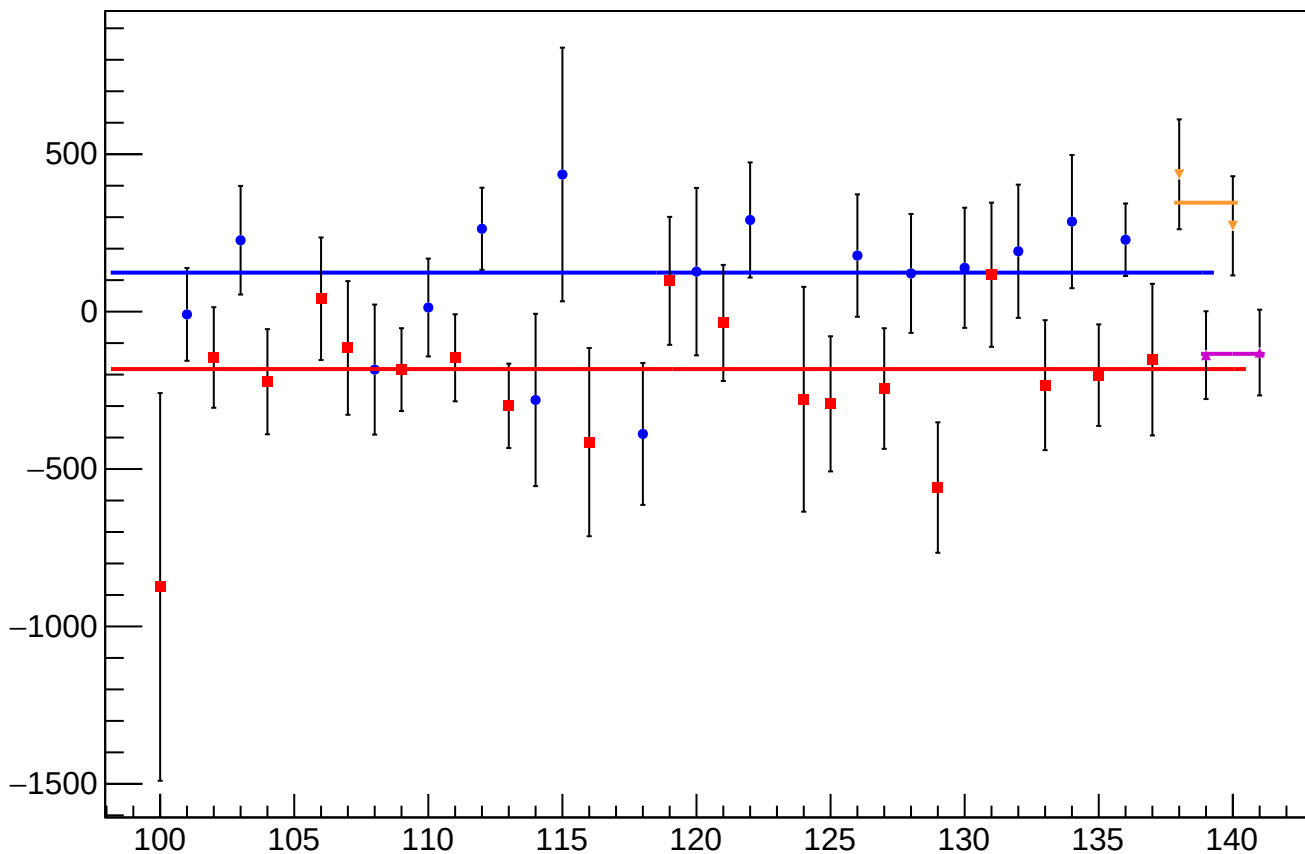
Left In: 974.437+/-0.529 χ^2/NDF : 33503.2/1

+ sign 1120.079+/-0.274 χ^2/NDF : 892063.3/17

All: 1105.073+/-0.189 χ^2/NDF : 1803253.0/38

- sign 1091.397+/-0.262 χ^2/NDF : 905464.2/20

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

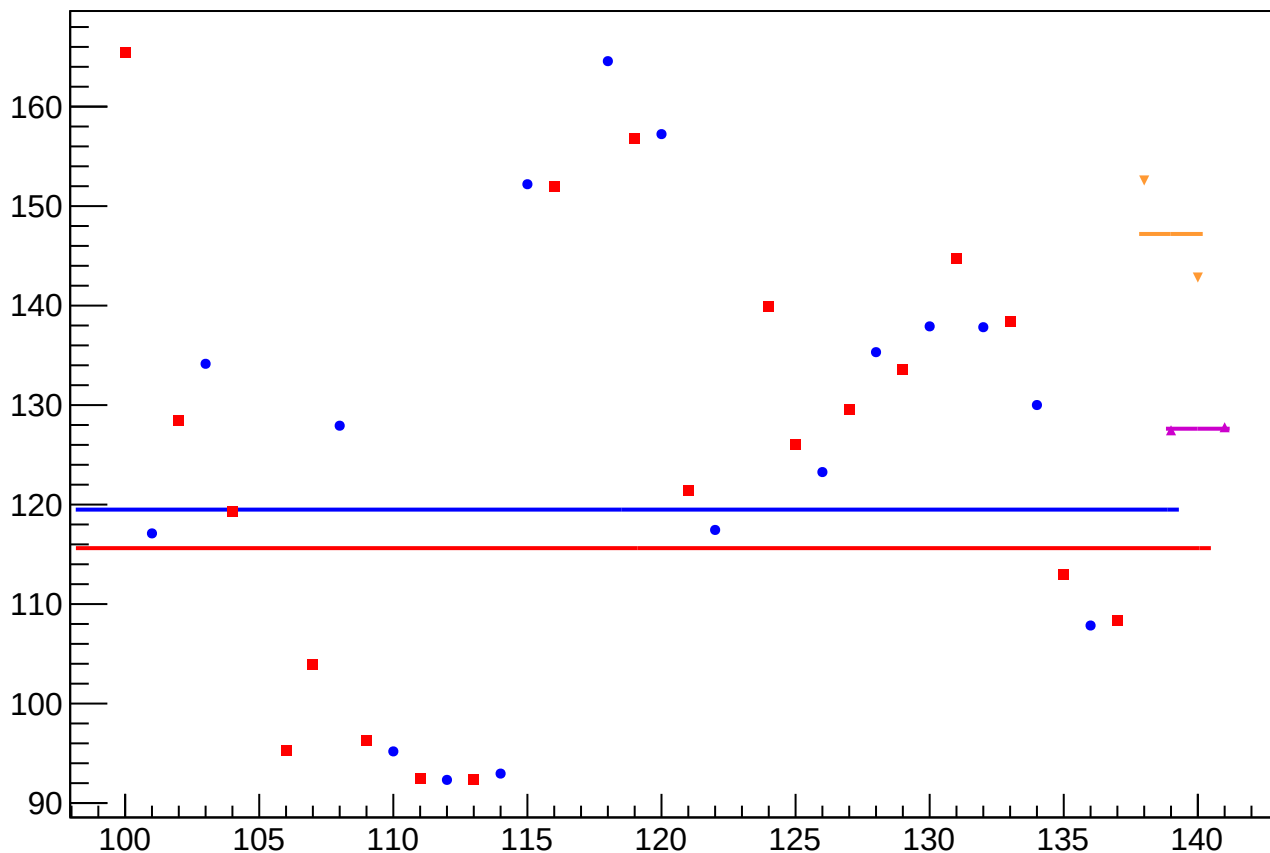
Left In: -134.093 $\pm$ 97.421 χ^2 /NDF: 0.0/1

+ sign 152.801 $\pm$ 42.192 χ^2 /NDF: 19.0/17

All: -21.587 $\pm$ 28.839 χ^2 /NDF: 63.6/38

- sign -174.511 $\pm$ 39.510 χ^2 /NDF: 12.5/20

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

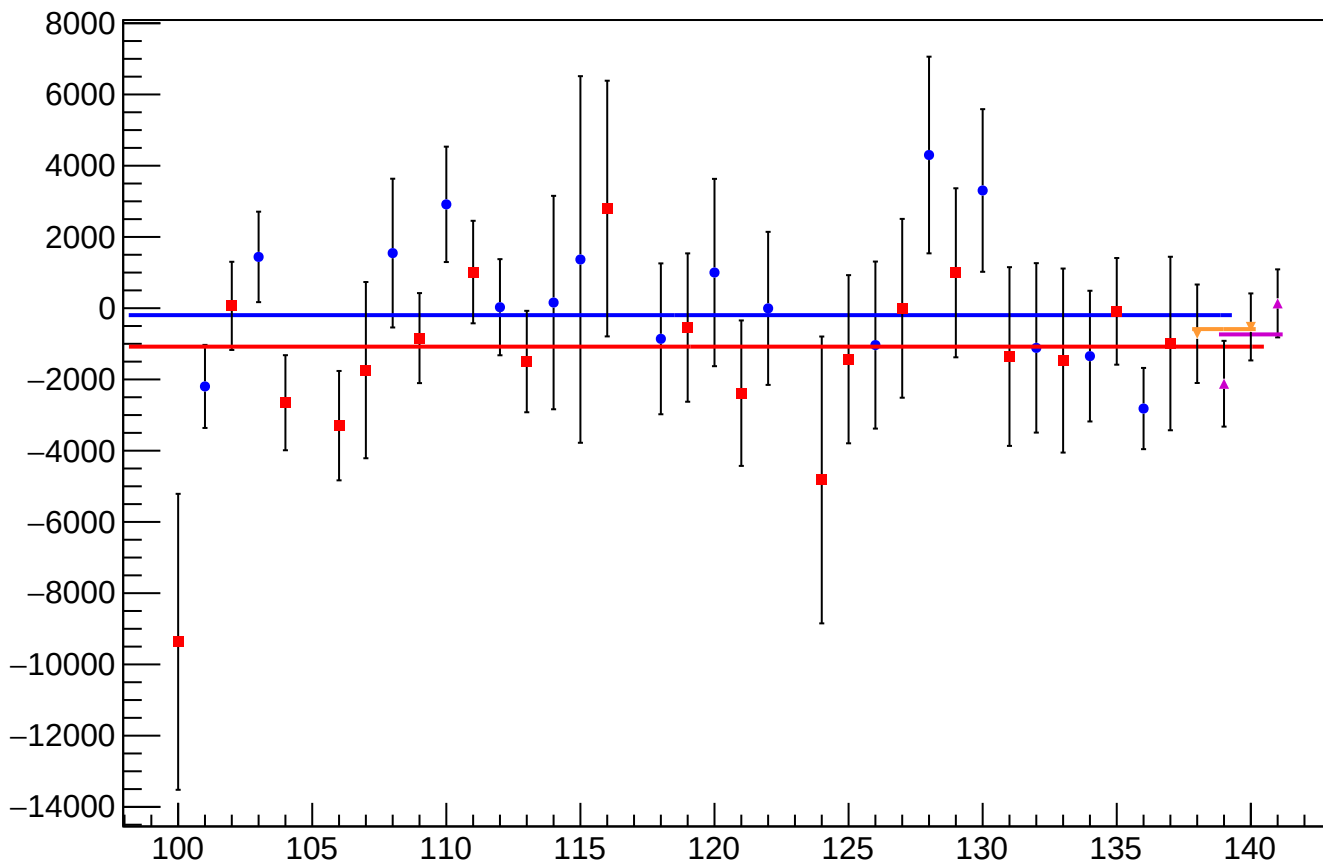
Left In: 127.626 $\pm$ 0.069 χ^2 /NDF:5.0/1

+ sign 123.101 $\pm$ 0.030 χ^2 /NDF: 481336.5/17

All: 120.168 $\pm$ 0.020 χ^2 /NDF: 951815.2/38

- sign 117.596 $\pm$ 0.028 χ^2 /NDF: 452341.2/20

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

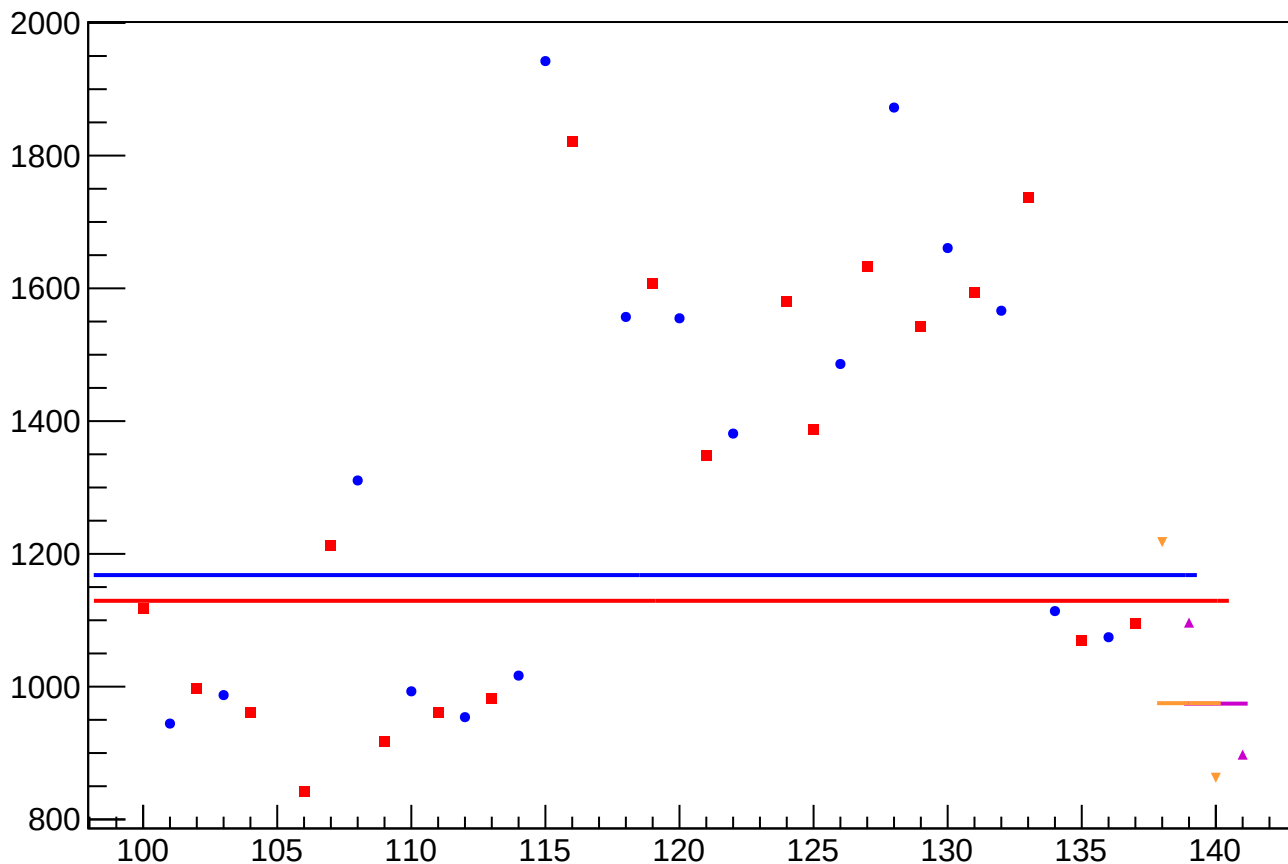
Left In: -735.814 ± 748.080 χ^2/NDF : 2.2/1

+ sign -292.397 ± 387.752 χ^2/NDF : 20.6/17

All: -660.148 ± 267.743 χ^2/NDF : 39.2/38

- sign -995.274 ± 370.153 χ^2/NDF : 16.9/20

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF : 709365.6/15

Left Out: 975.081+/-0.550 χ^2/NDF : 90151.3/1

Right Out: 1129.316+/-0.301 χ^2/NDF : 807224.0/18

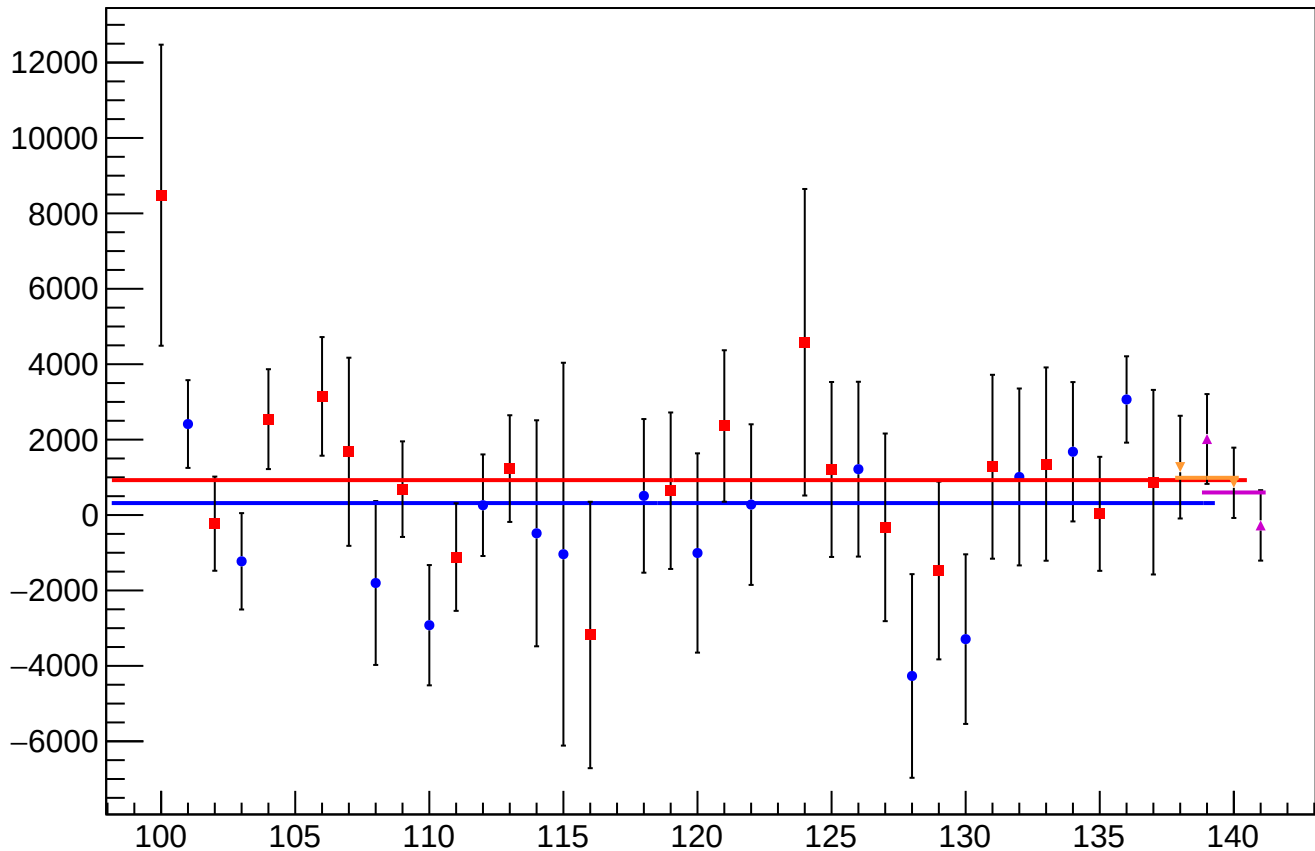
Left In: 974.436+/-0.529 χ^2/NDF : 33503.9/1

+ sign 1120.079+/-0.274 χ^2/NDF : 892067.5/17

All: 1105.072+/-0.189 χ^2/NDF : 1803260.3/38

- sign 1091.397+/-0.262 χ^2/NDF : 905467.4/20

asym_sam_48_dd_mean vs Slug



Right In: 317.365 $\pm$ 446.341 χ^2 /NDF: 22.2/15

Left Out: 987.456 $\pm$ 769.376 χ^2 /NDF: 0.1/1

Right Out: 926.036 $\pm$ 425.405 χ^2 /NDF: 14.5/18

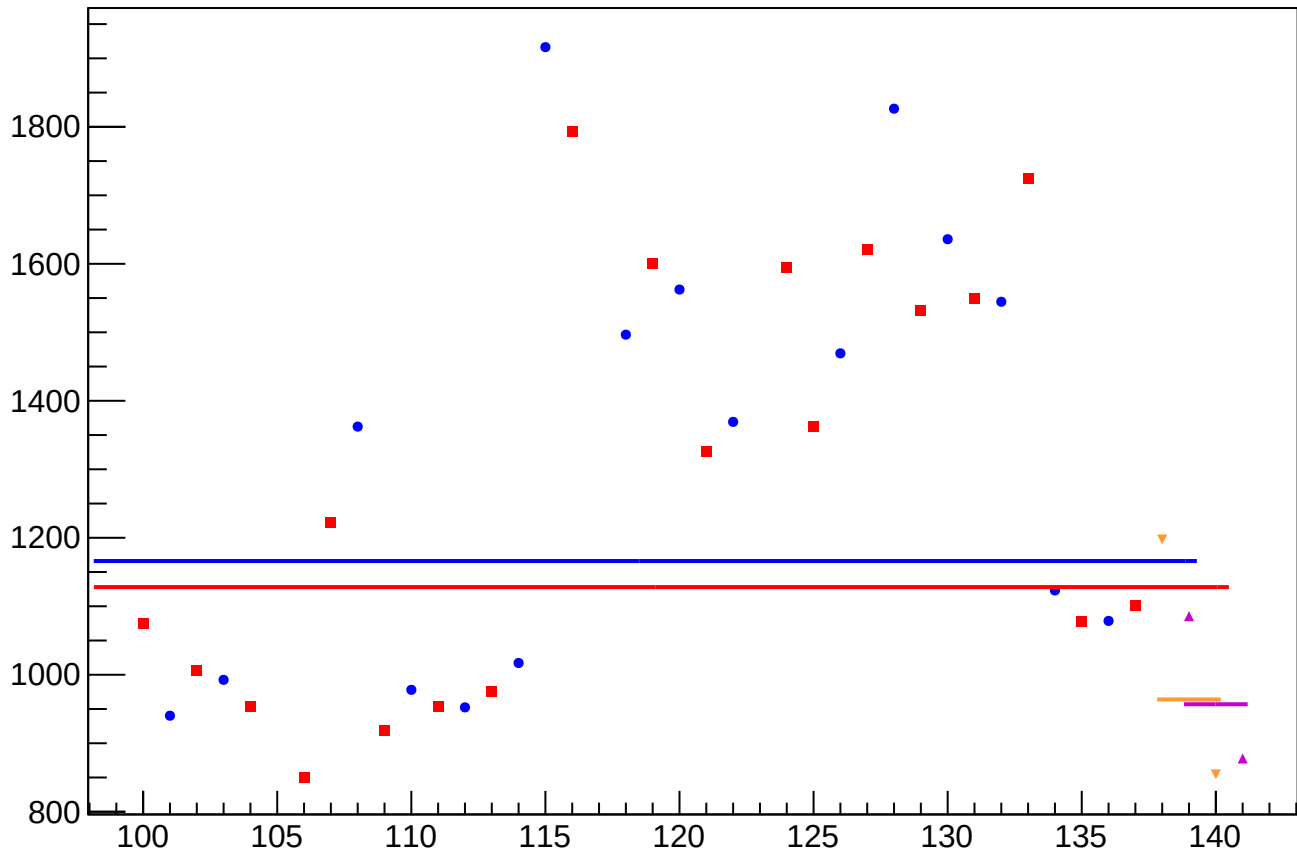
Left In: 598.439 $\pm$ 735.093 χ^2 /NDF: 2.3/1

+ sign 486.099 $\pm$ 386.076 χ^2 /NDF: 22.8/17

All: 673.450 $\pm$ 266.450 χ^2 /NDF: 40.2/38

- sign 843.848 $\pm$ 368.195 χ^2 /NDF: 17.0/20

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

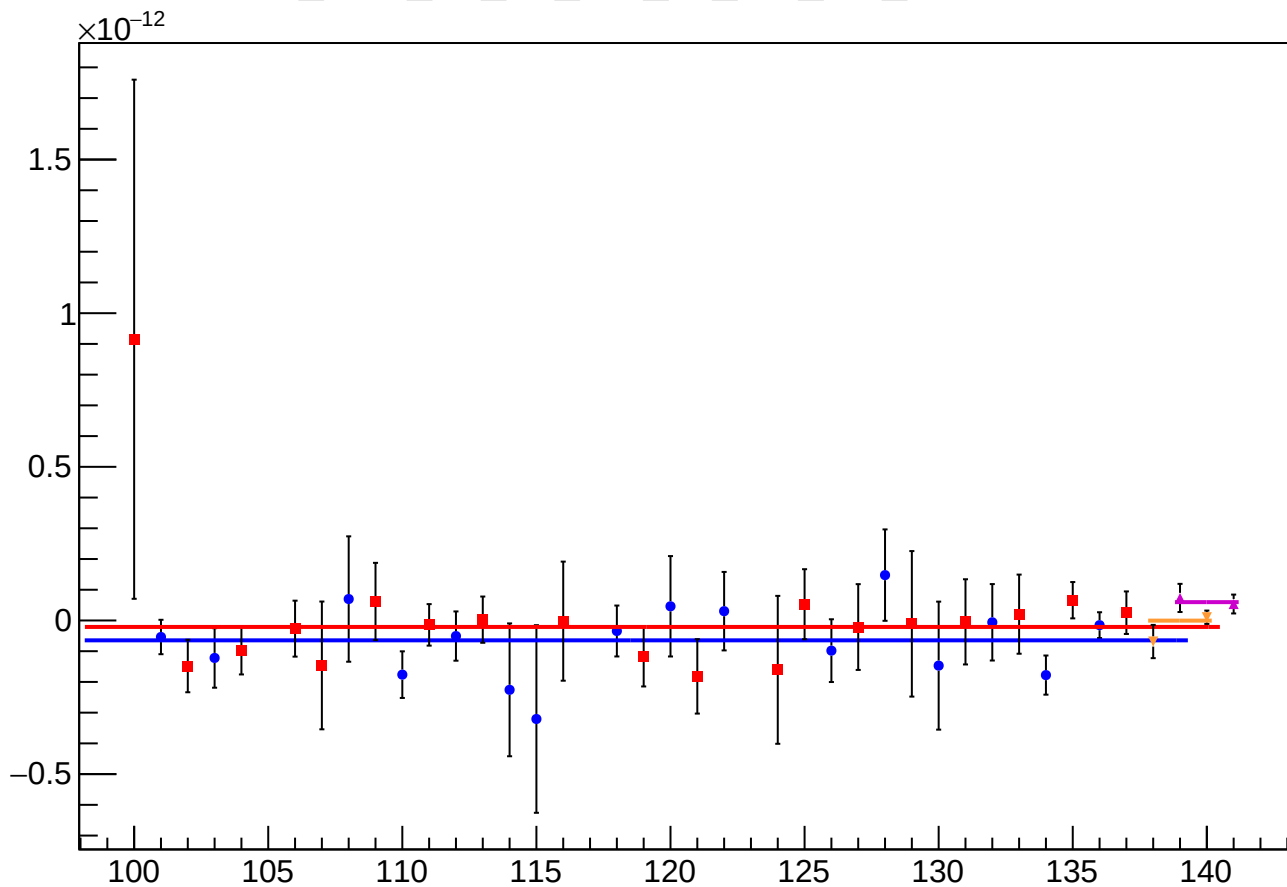
Left In: 956.953 $\pm$ 0.520 χ^2 /NDF: 37682.9/1

+ sign 1115.173 $\pm$ 0.273 χ^2 /NDF: 866621.1/17

All: 1099.420 $\pm$ 0.188 χ^2 /NDF: 1767554.2/38

- sign 1085.092 $\pm$ 0.260 χ^2 /NDF: 894574.9/20

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.5/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.8/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.5/18

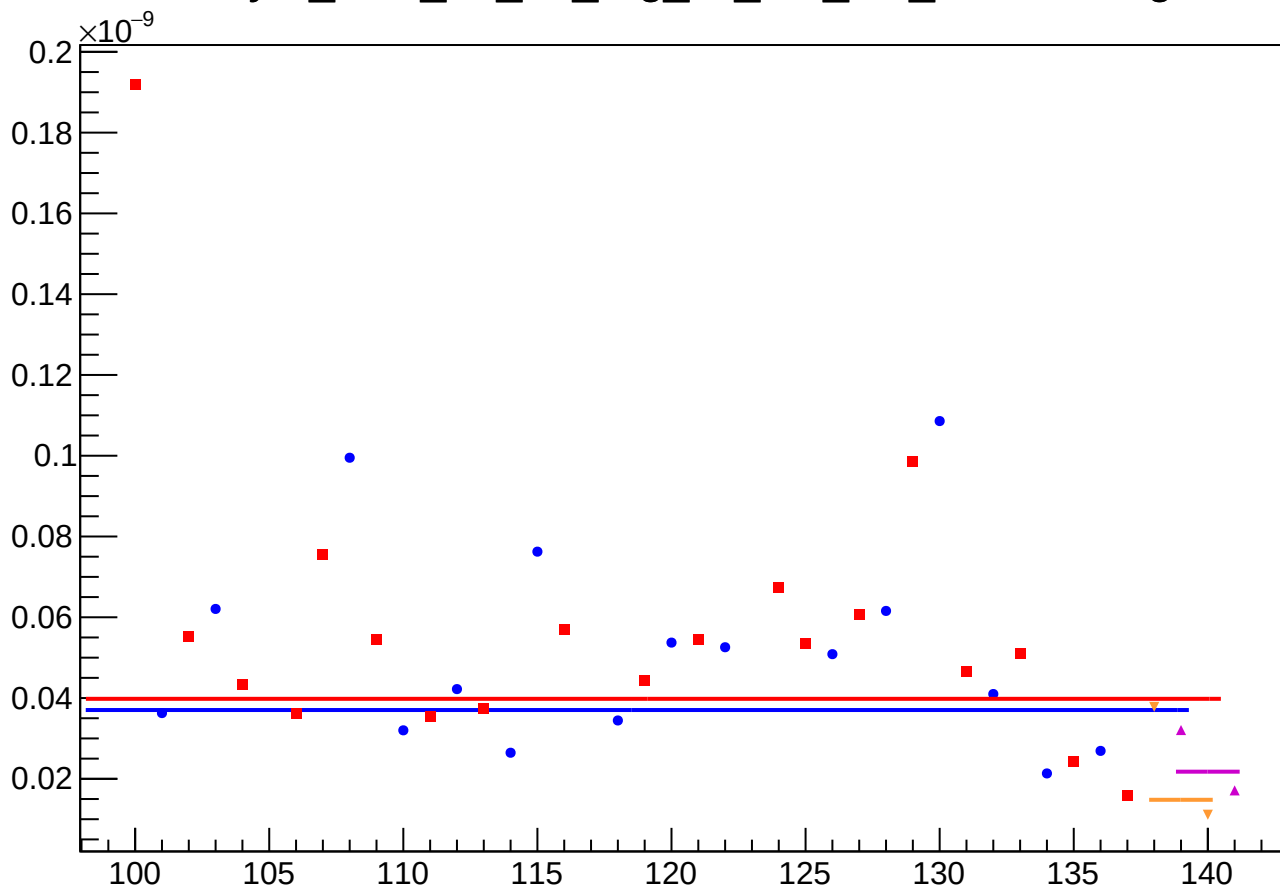
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.0/17

All: -0.000 ± 0.000 χ^2/NDF : 40.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 17.1/20

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

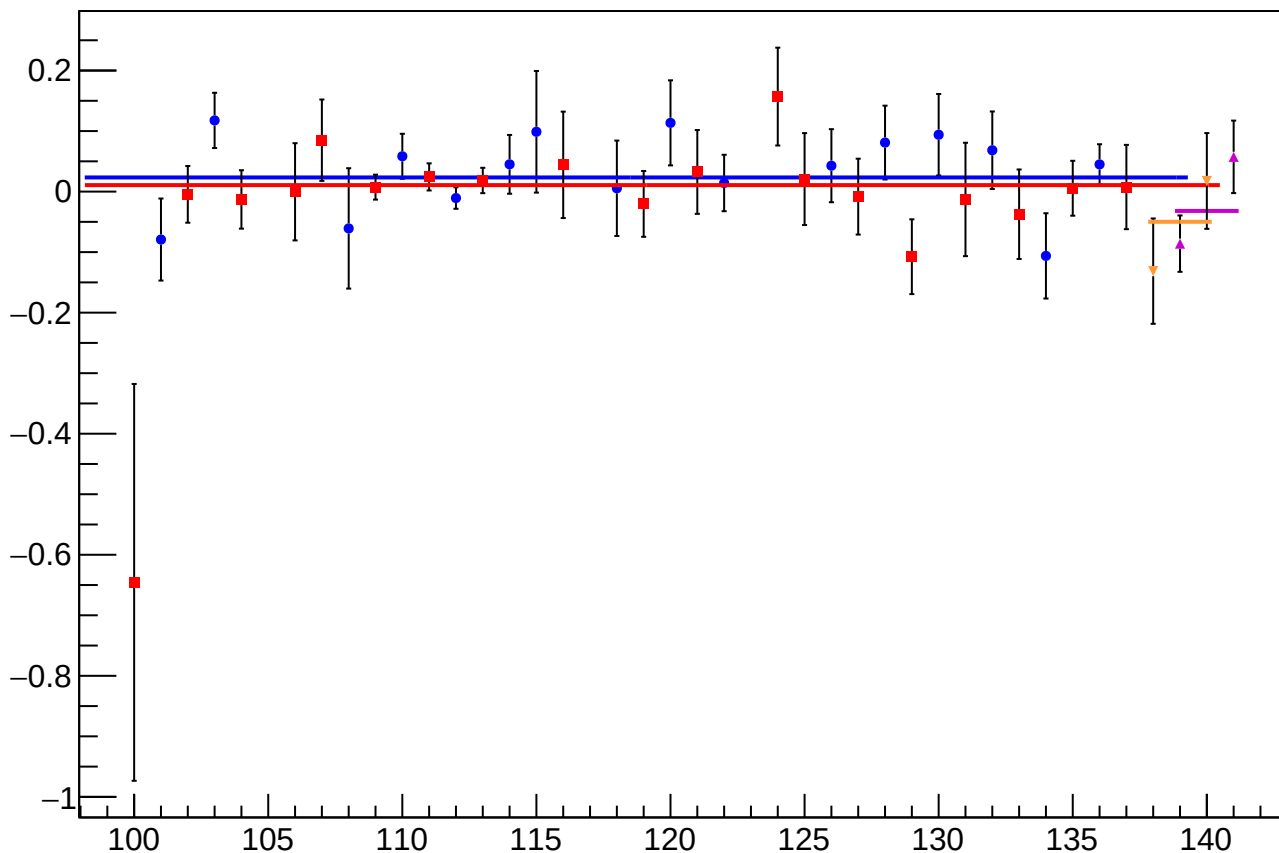
Left In: 0.000+/-0.000 χ^2/NDF : 146898.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2534340.9/17

All: 0.000+/-0.000 χ^2/NDF : 4306725.8/38

- sign 0.000+/-0.000 χ^2/NDF : 1600058.3/20

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 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

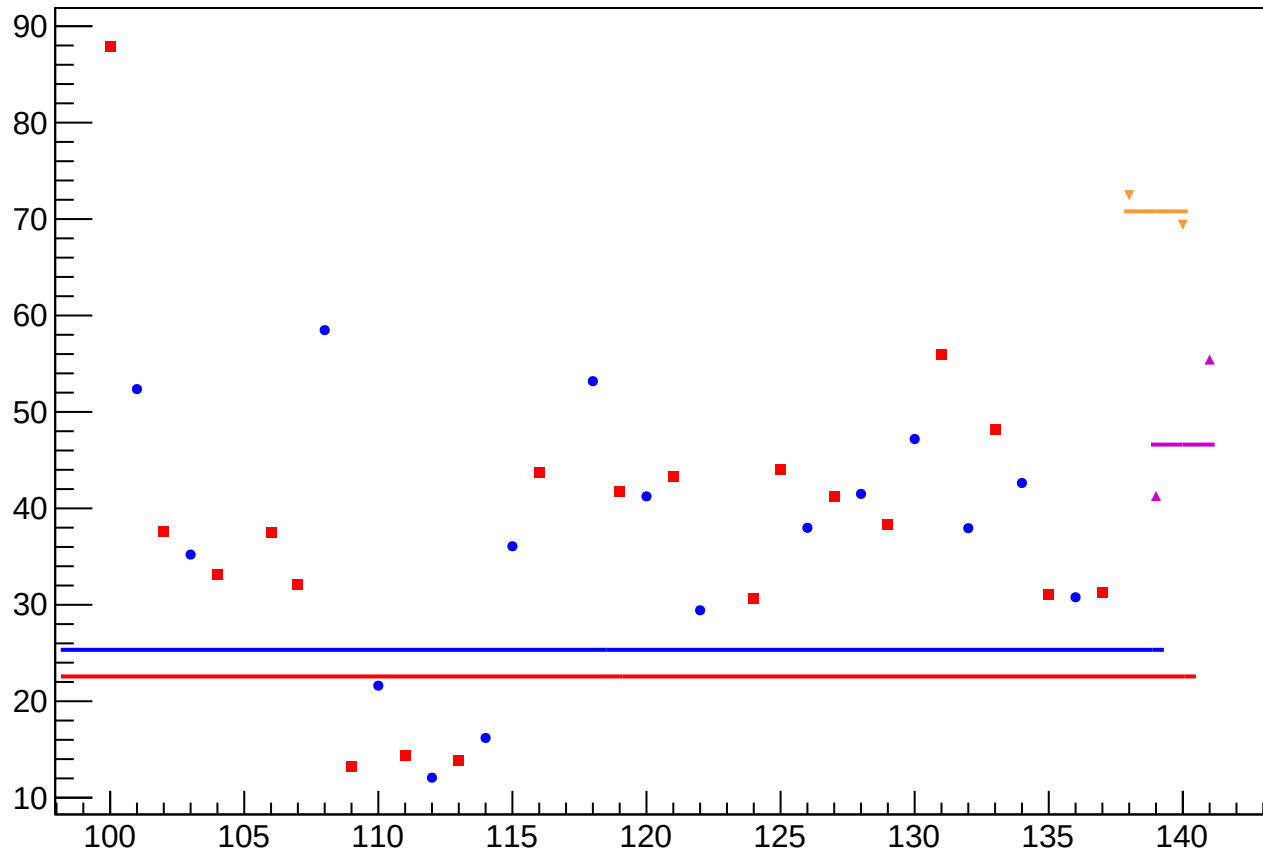
Left In: -0.032 $\pm$ 0.037 χ^2 /NDF:3.6/1

+ sign 0.021 $\pm$ 0.011 χ^2 /NDF: 23.8/17

All: 0.013 $\pm$ 0.007 χ^2 /NDF: 43.7/38

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 19.1/20

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334 +/- 0.008 χ^2/NDF : 2925132.2/15

Left Out: 70.799 +/- 0.041 χ^2/NDF : 1358.7/1

Right Out: 22.571 +/- 0.007 χ^2/NDF : 3139937.1/18

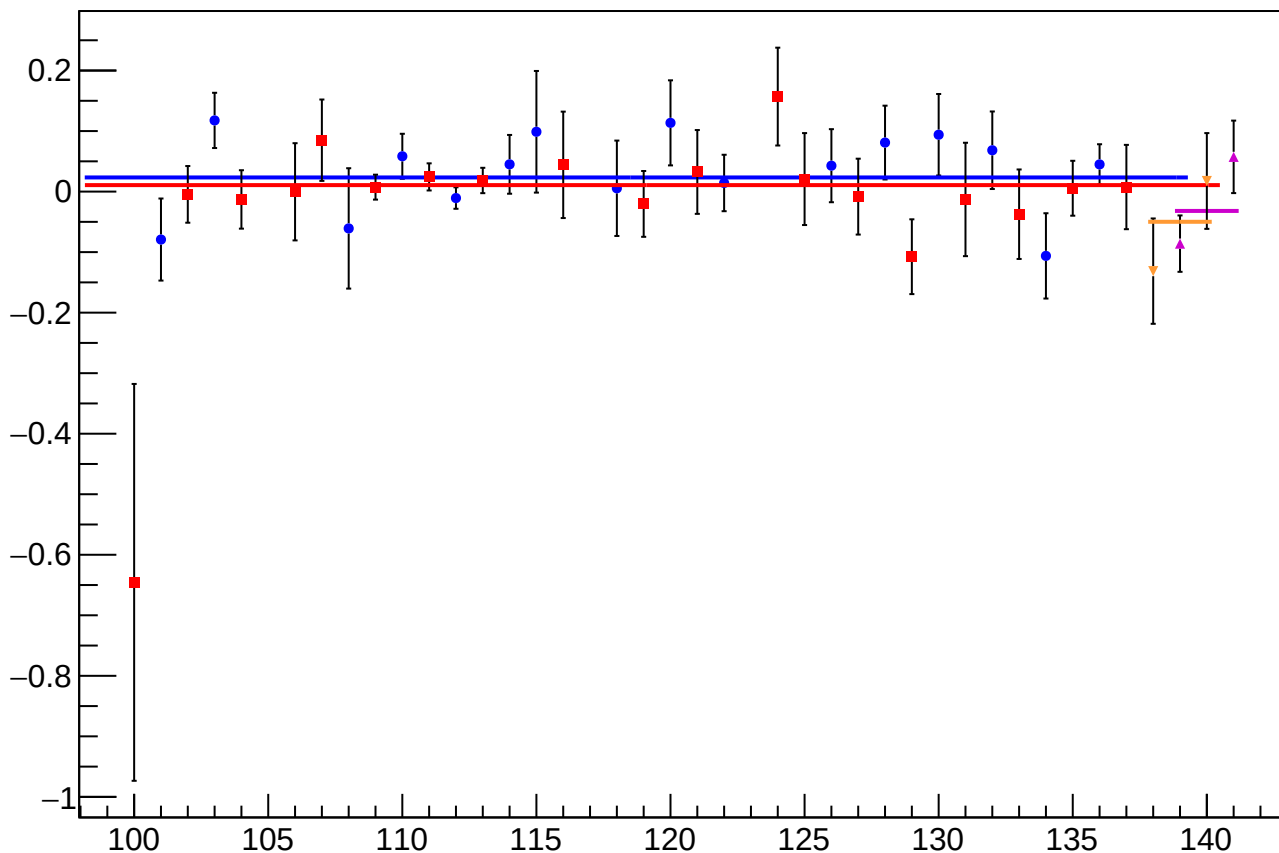
Left In: 46.615 +/- 0.026 χ^2/NDF : 69603.5/1

+ sign 26.903 +/- 0.008 χ^2/NDF : 4091328.1/17

All: 25.347 +/- 0.005 χ^2/NDF : 8171596.7/38

- sign 24.167 +/- 0.007 χ^2/NDF : 4008290.2/20

asym_sam_48_dd_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

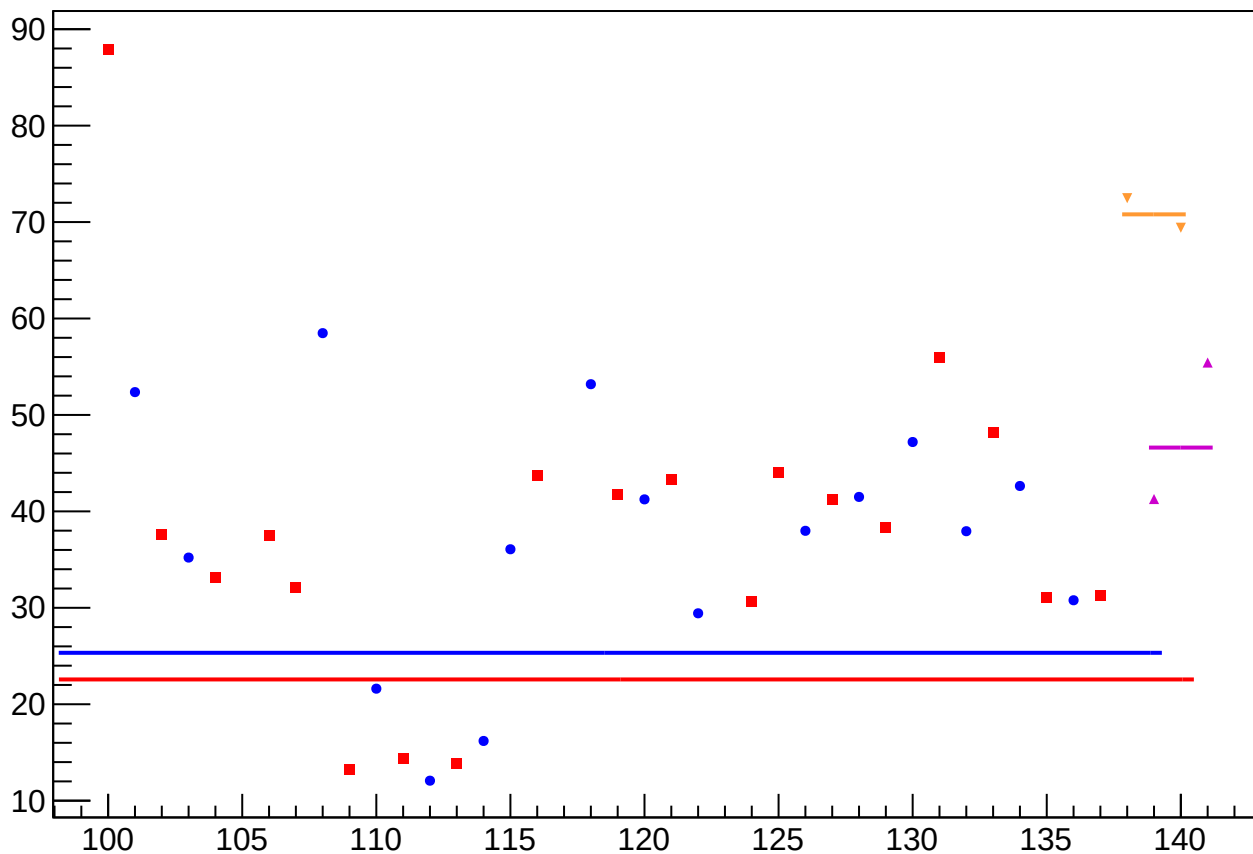
Left In: -0.032 ± 0.037 χ^2/NDF : 3.6/1

+ sign 0.021 ± 0.011 χ^2/NDF : 23.8/17

All: 0.013 ± 0.007 χ^2/NDF : 43.7/38

- sign 0.008 ± 0.009 χ^2/NDF : 19.1/20

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334 $\pm$ 0.008 χ^2/NDF : 2925132.2/15

Left Out: 70.799 $\pm$ 0.041 χ^2/NDF : 1358.7/1

Right Out: 22.571 $\pm$ 0.007 χ^2/NDF : 3139937.1/18

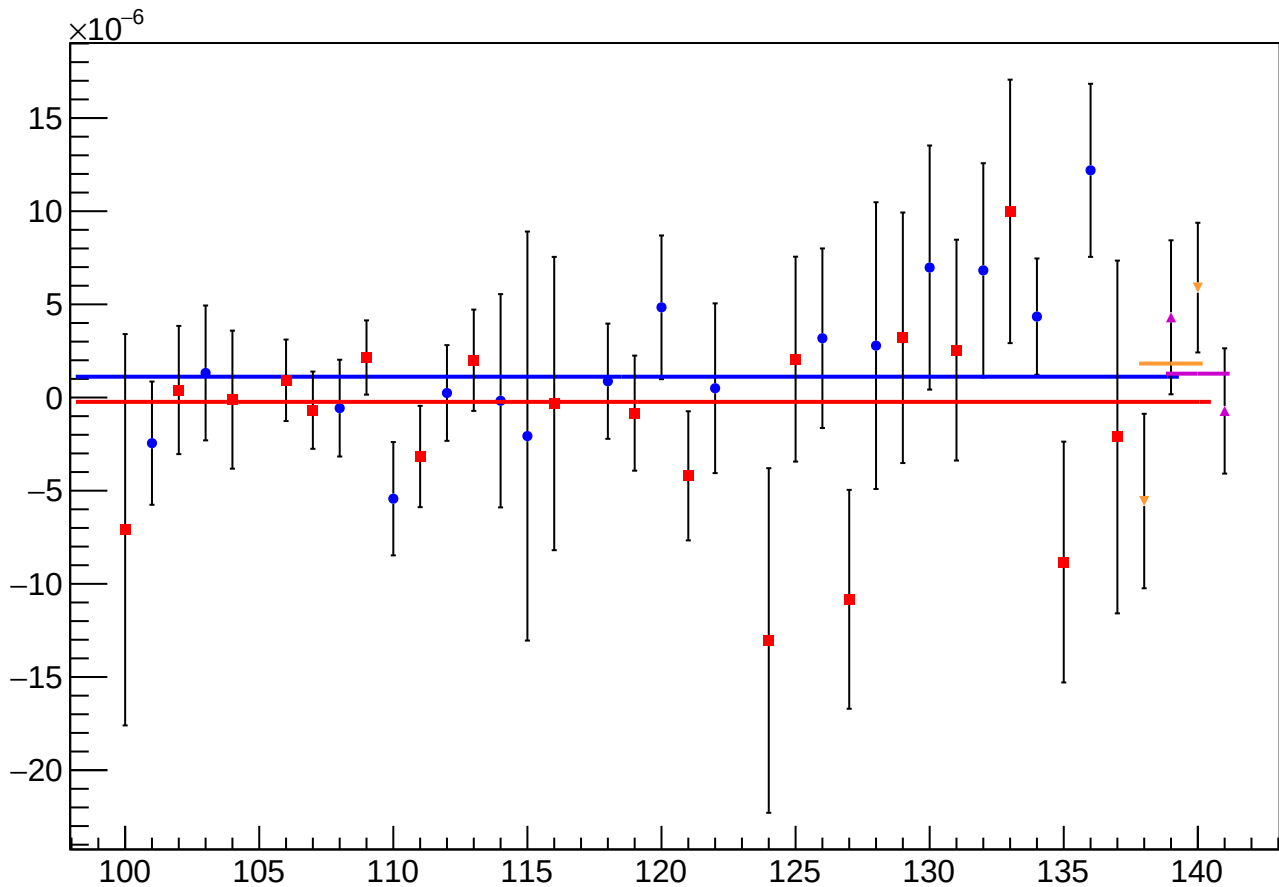
Left In: 46.615 $\pm$ 0.026 χ^2/NDF : 69603.5/1

+ sign 26.903 $\pm$ 0.008 χ^2/NDF : 4091328.1/17

All: 25.347 $\pm$ 0.005 χ^2/NDF : 8171596.7/38

- sign 24.167 $\pm$ 0.007 χ^2/NDF : 4008290.2/20

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

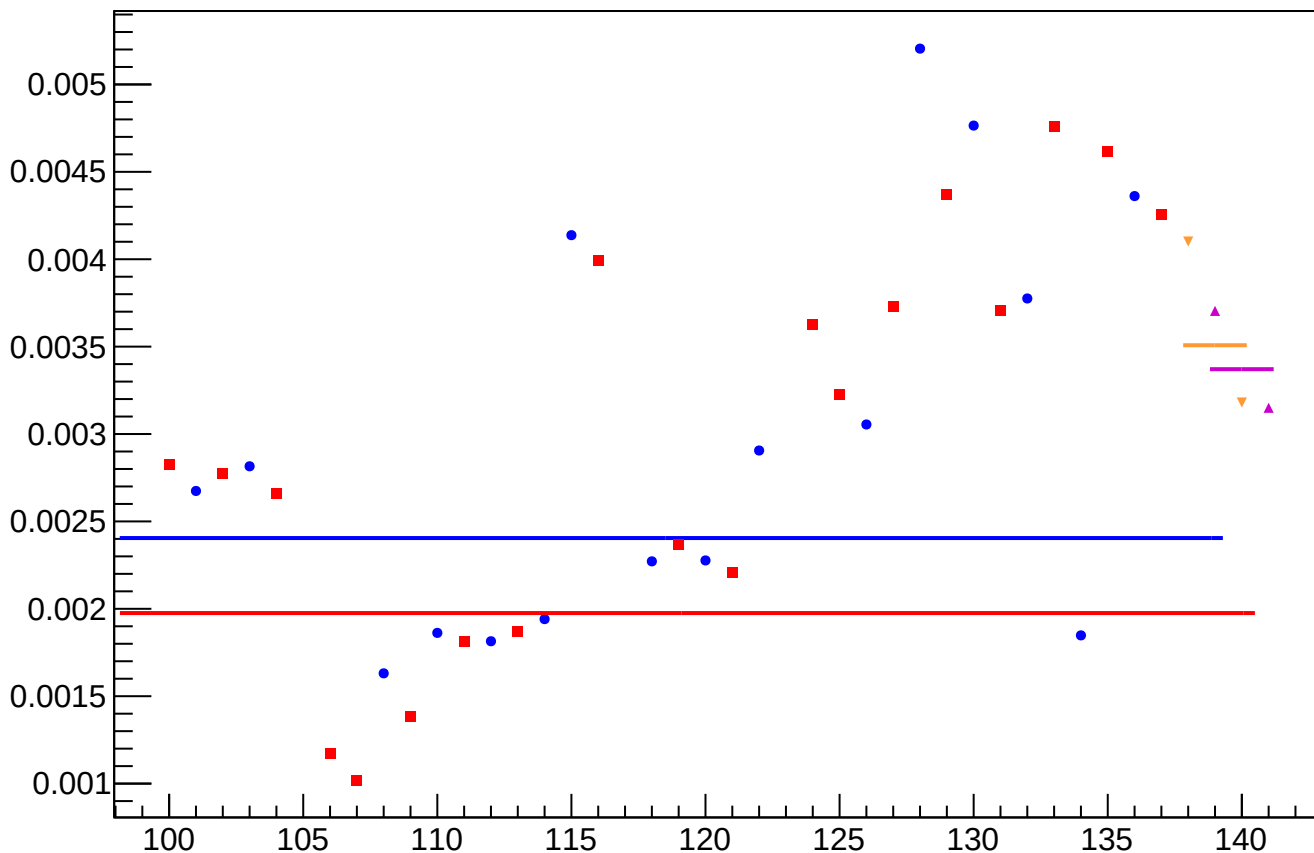
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.6/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/20

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

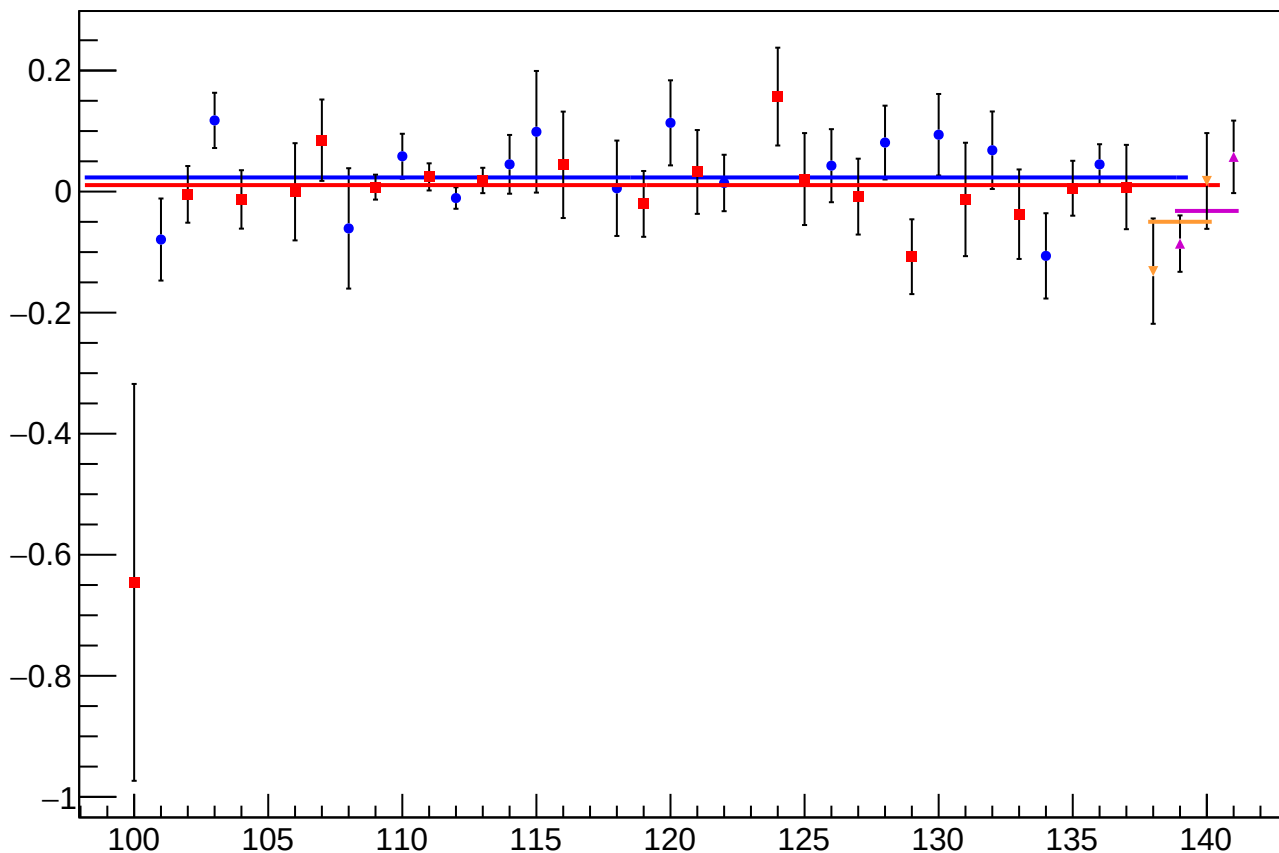
Left In: 0.003+/-0.000 χ^2/NDF : 21644.2/1

+ sign 0.003+/-0.000 χ^2/NDF : 1901199.3/17

All: 0.002+/-0.000 χ^2/NDF : 5469980.5/38

- sign 0.002+/-0.000 χ^2/NDF : 3318640.9/20

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

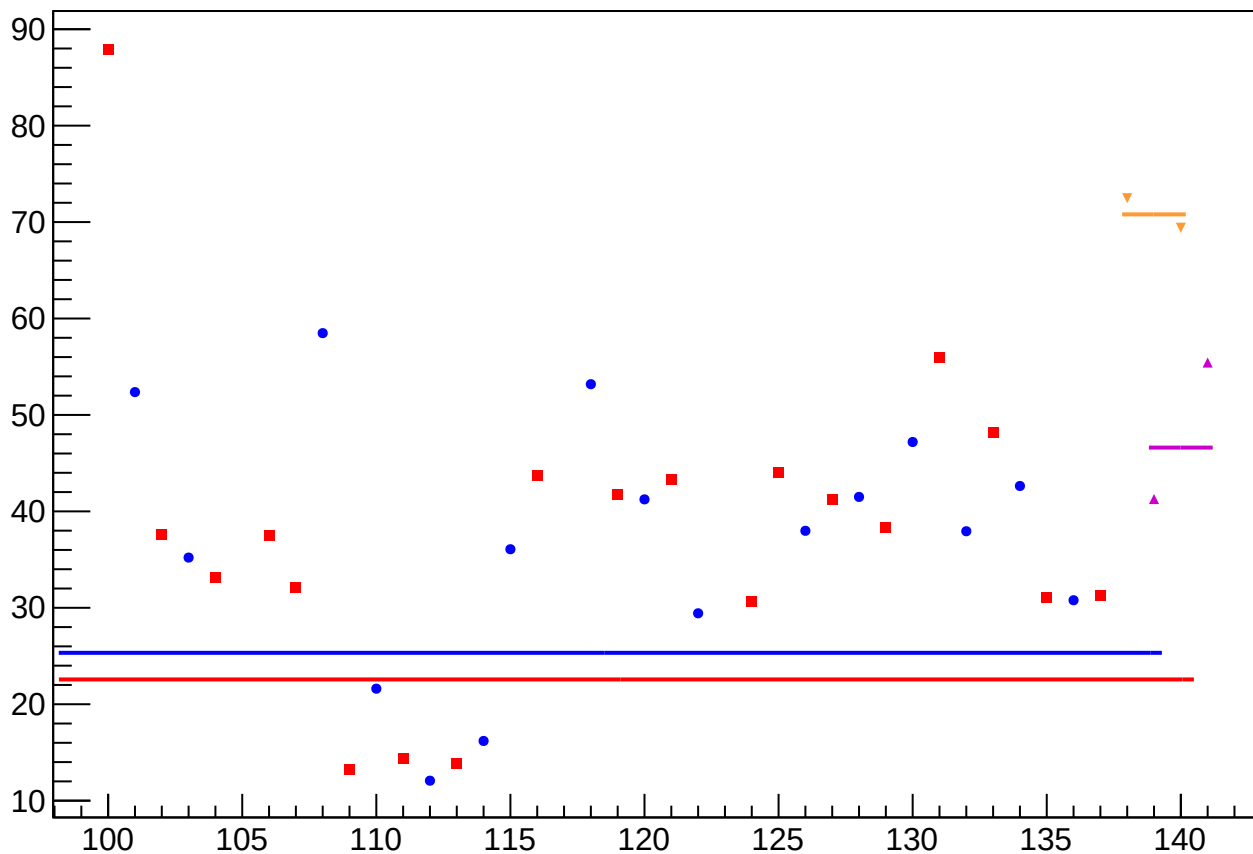
Left In: -0.032 ± 0.037 χ^2/NDF : 3.6/1

+ sign 0.021 ± 0.011 χ^2/NDF : 23.9/17

All: 0.013 ± 0.007 χ^2/NDF : 43.7/38

- sign 0.008 ± 0.009 χ^2/NDF : 19.1/20

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332 $\pm$ 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

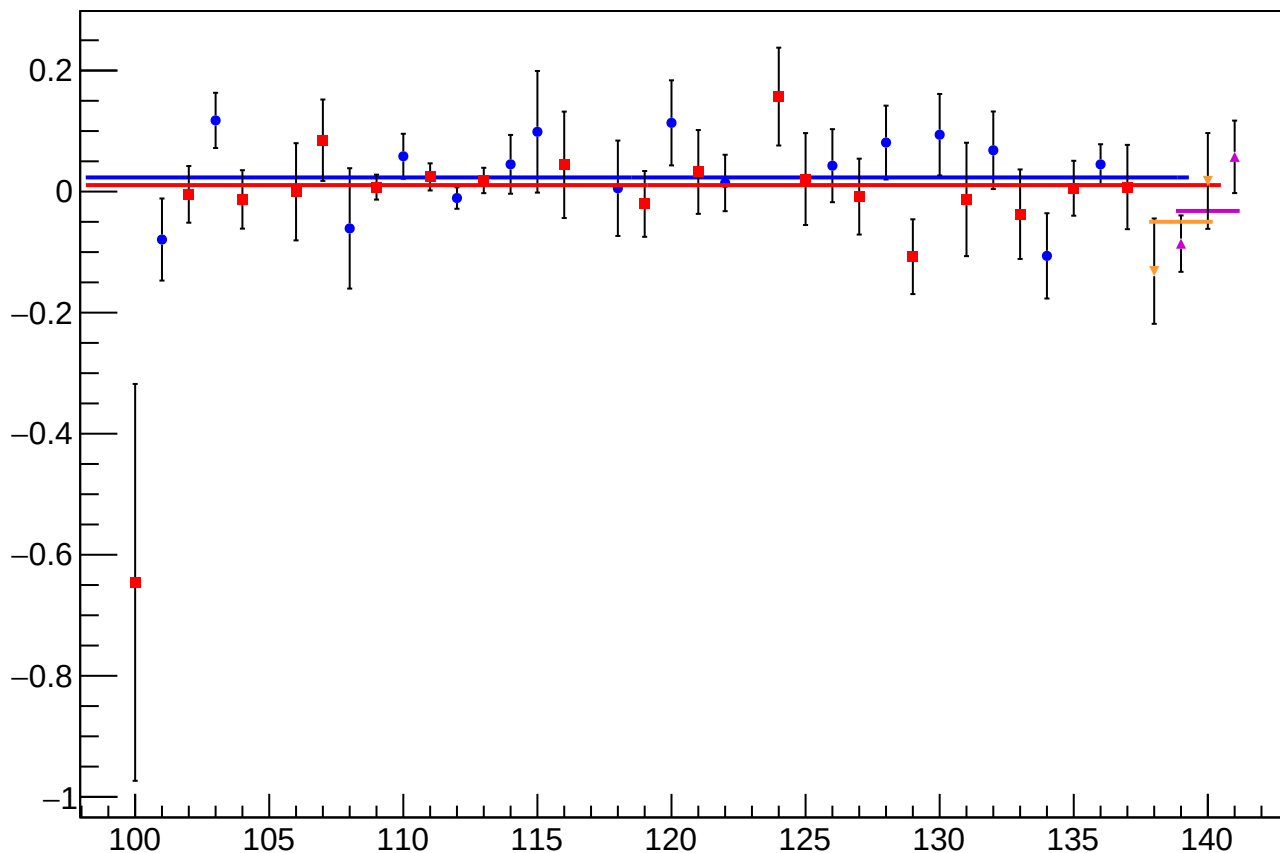
Left In: 46.614 $\pm$ 0.026 χ^2/NDF : 69615.1/1

+ sign 26.902 $\pm$ 0.008 χ^2/NDF : 4091813.4/17

All: 25.347 $\pm$ 0.005 χ^2/NDF : 8172195.6/38

- sign 24.167 $\pm$ 0.007 χ^2/NDF : 4008456.3/20

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

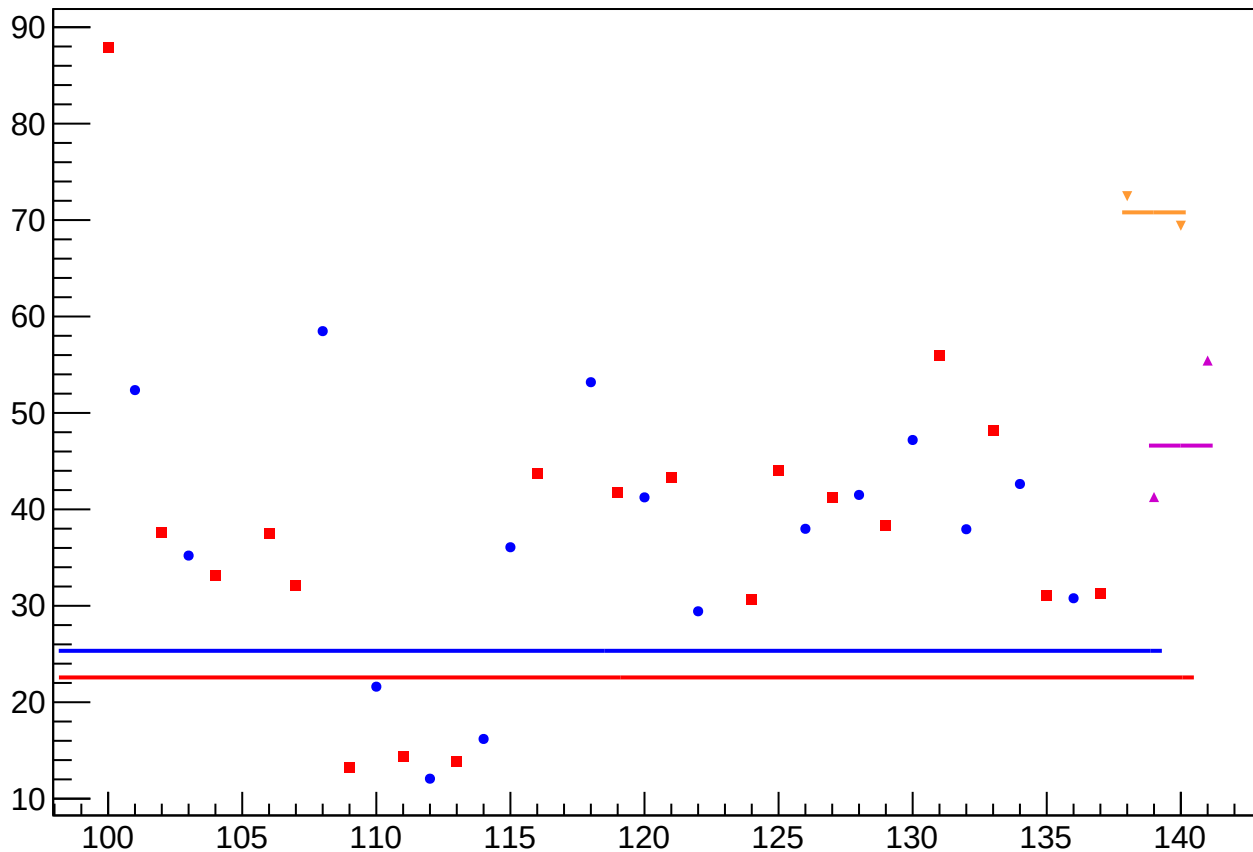
Left In: -0.032 ± 0.037 χ^2/NDF : 3.6/1

+ sign 0.021 ± 0.011 χ^2/NDF : 23.9/17

All: 0.013 ± 0.007 χ^2/NDF : 43.7/38

- sign 0.008 ± 0.009 χ^2/NDF : 19.1/20

asym_sam_48_dd_eigen_dit_vs_eigen_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

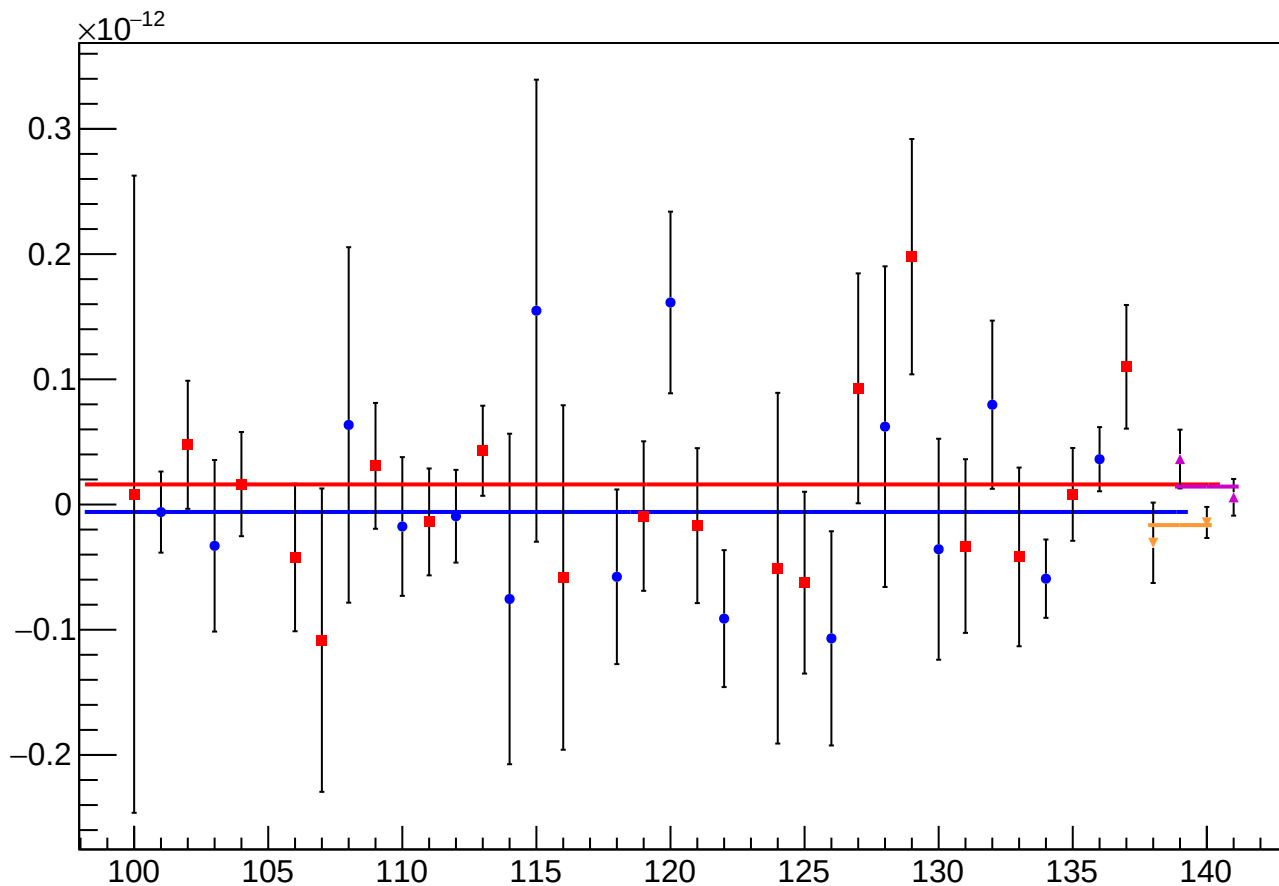
Left In: 46.614 $\pm$ 0.026 χ^2 /NDF:69615.1/1

+ sign 26.902 $\pm$ 0.008 χ^2 /NDF: 4091813.4/17

All: 25.347 $\pm$ 0.005 χ^2 /NDF: 8172195.6/38

- sign 24.167 $\pm$ 0.007 χ^2 /NDF: 4008456.3/20

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

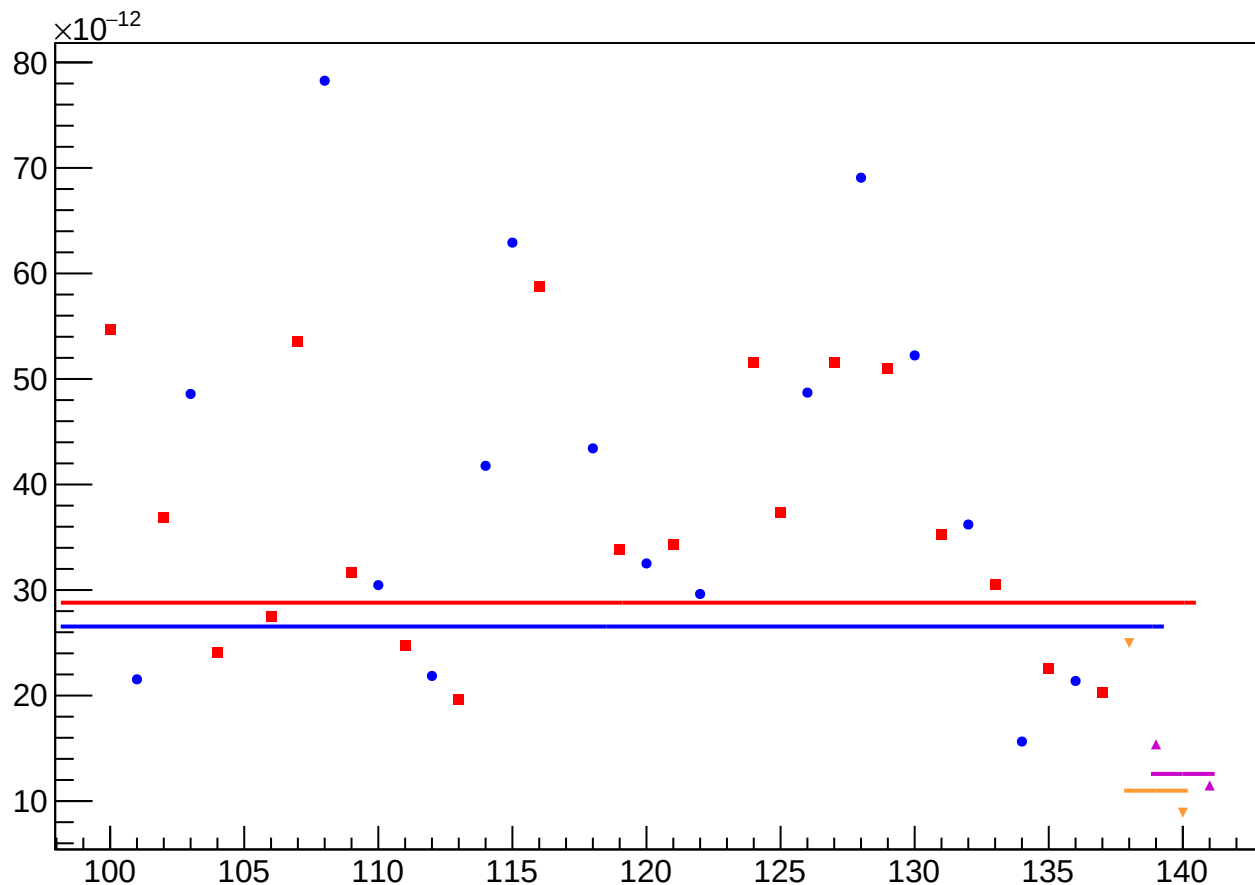
Left In: 0.000 ± 0.000 χ^2/NDF : 1.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.4/17

All: 0.000 ± 0.000 χ^2/NDF : 40.2/38

- sign 0.000 ± 0.000 χ^2/NDF : 16.2/20

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

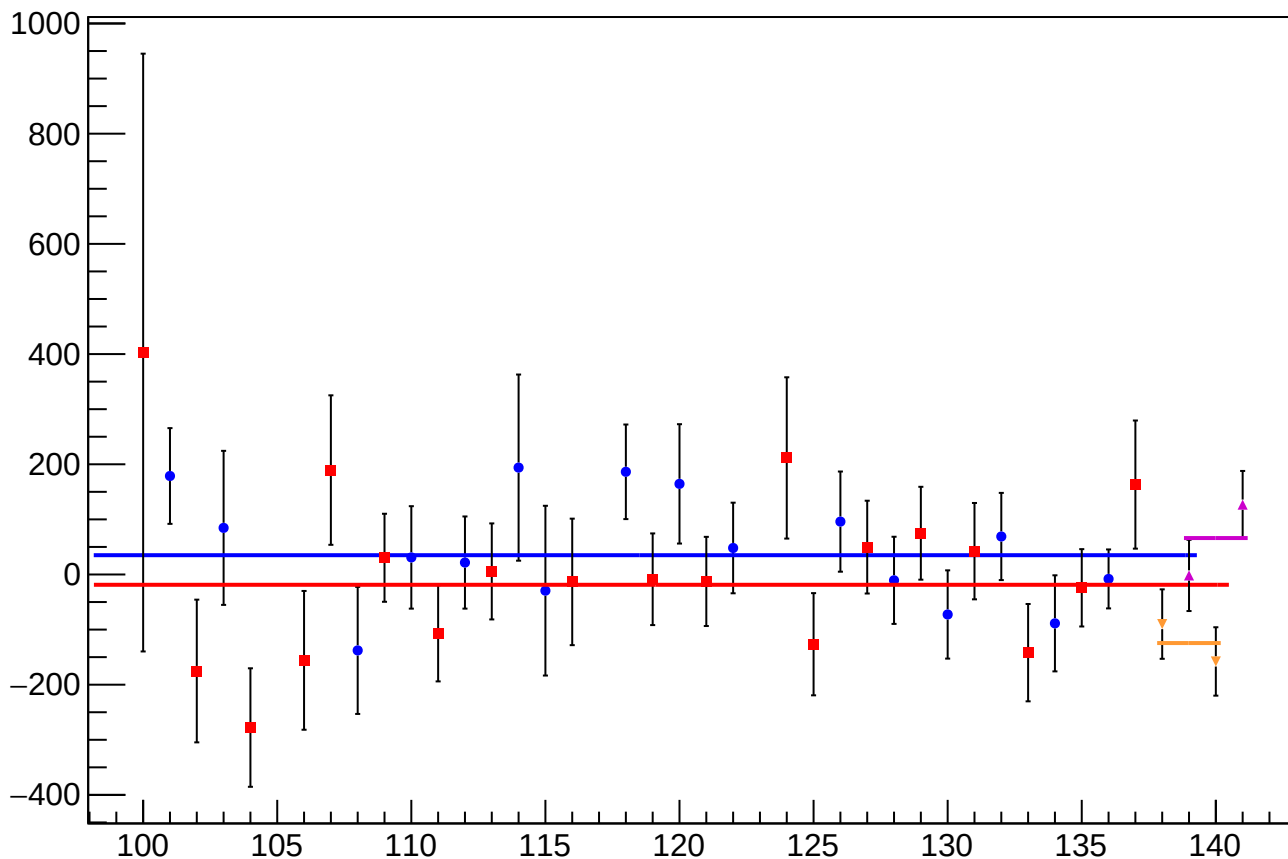
Left In: 0.000+/-0.000 χ^2/NDF : 39727.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3766388.9/17

All: 0.000+/-0.000 χ^2/NDF : 6364071.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2540588.2/20

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018 $\pm$ 22.134 χ^2 /NDF: 16.2/15

Left Out: -124.437 $\pm$ 44.225 χ^2 /NDF: 0.6/1

Right Out: -18.690 $\pm$ 22.137 χ^2 /NDF: 23.5/18

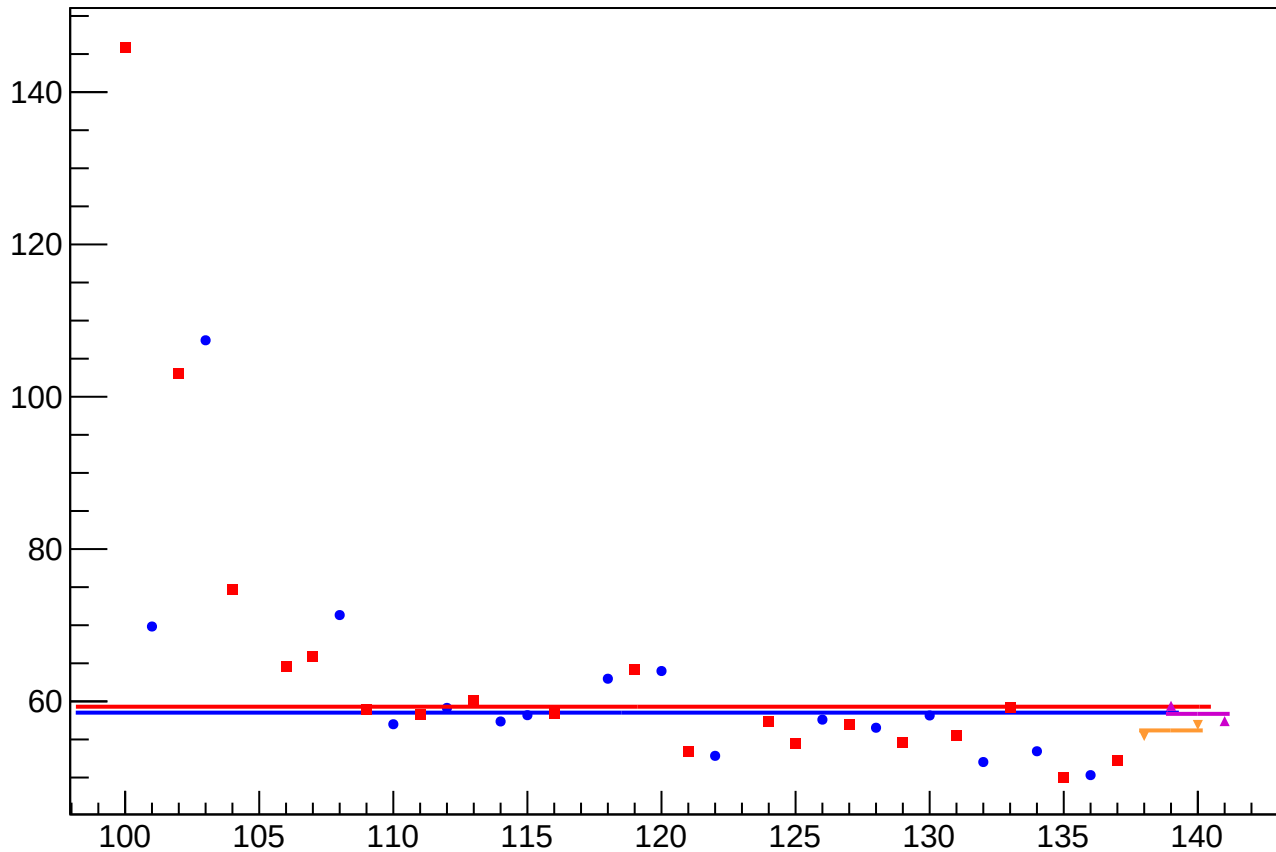
Left In: 66.121 $\pm$ 44.405 χ^2 /NDF: 2.1/1

+ sign 3.077 $\pm$ 19.794 χ^2 /NDF: 27.2/17

All: 0.636 $\pm$ 14.003 χ^2 /NDF: 55.7/38

- sign -1.808 $\pm$ 19.812 χ^2 /NDF: 28.5/20

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

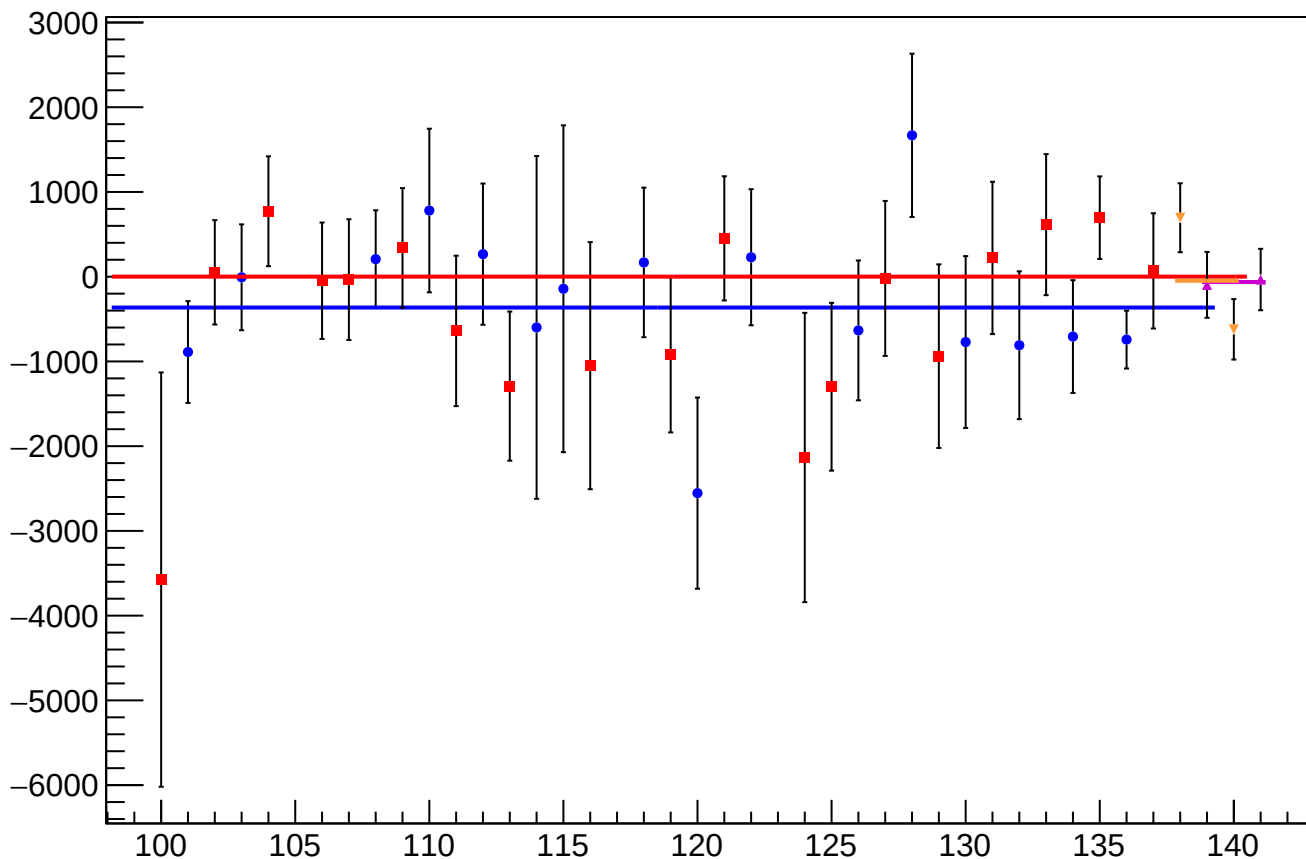
Left In: 58.363 $\pm$ 0.031 χ^2 /NDF: 1021.6/1

+ sign 58.054 $\pm$ 0.014 χ^2 /NDF: 397735.8/17

All: 58.584 $\pm$ 0.010 χ^2 /NDF: 808951.7/38

- sign 59.115 $\pm$ 0.014 χ^2 /NDF: 408348.1/20

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076 ± 180.601 $\chi^2/\text{NDF}: 15.2/15$

Left Out: -48.198 ± 268.231 $\chi^2/\text{NDF}: 5.9/1$

Right Out: 0.570 ± 183.085 $\chi^2/\text{NDF}: 15.1/18$

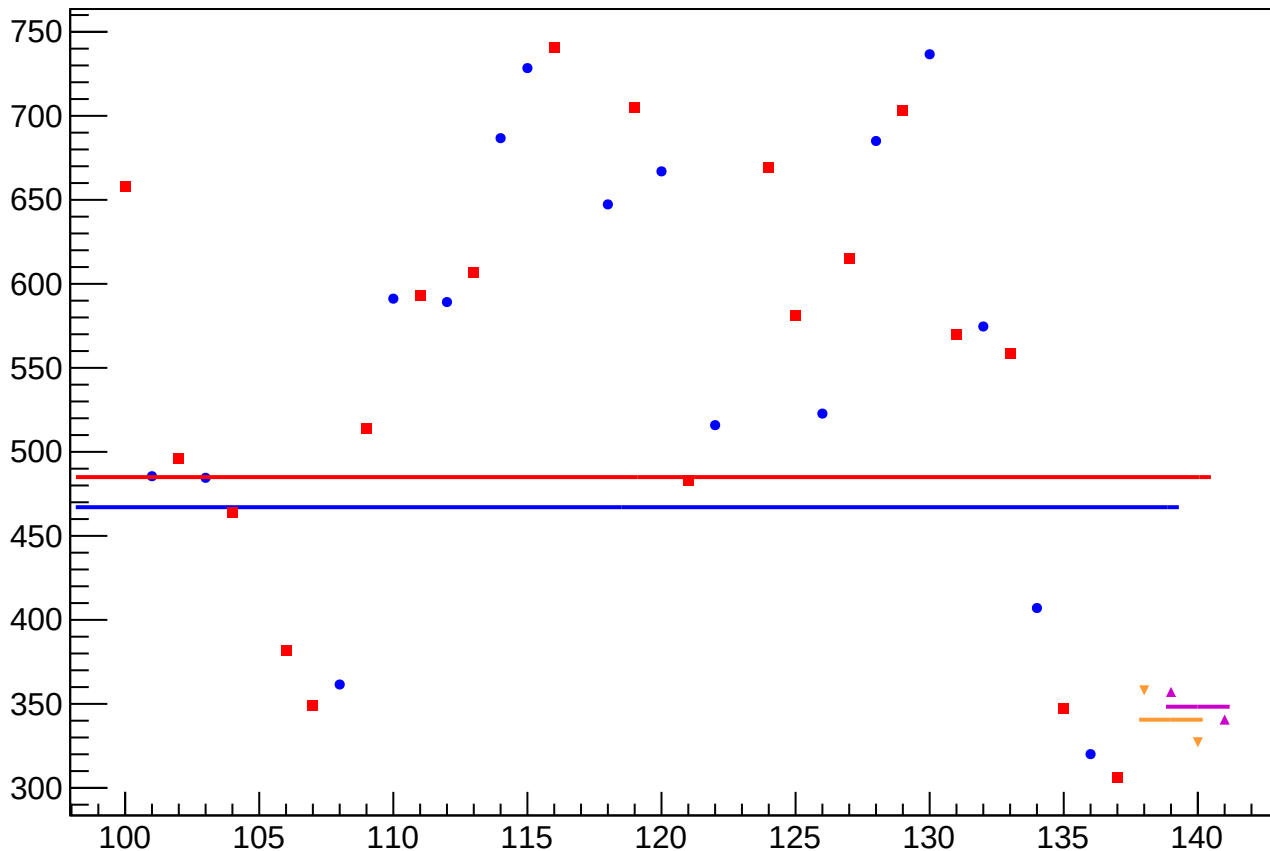
Left In: -62.780 ± 265.079 $\chi^2/\text{NDF}: 0.0/1$

+ sign -265.545 ± 149.808 $\chi^2/\text{NDF}: 22.1/17$

All: -143.402 ± 106.225 $\chi^2/\text{NDF}: 38.6/38$

- sign -19.890 ± 150.646 $\chi^2/\text{NDF}: 15.1/20$

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

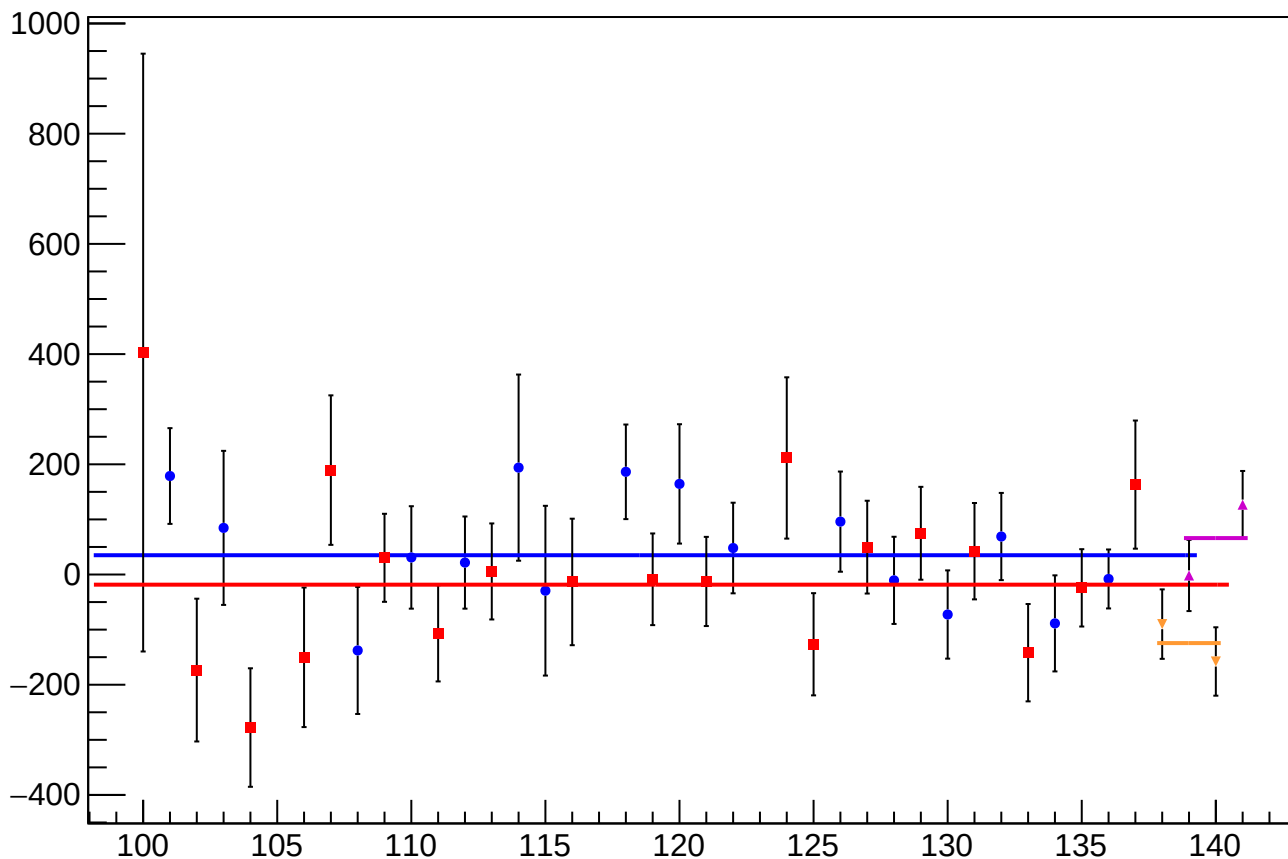
Left In: 348.322 $\pm$ 0.187 χ^2 /NDF:1921.1/1

+ sign 427.618 $\pm$ 0.106 χ^2 /NDF: 1342739.9/17

All: 434.194 $\pm$ 0.075 χ^2 /NDF: 2586403.2/38

- sign 440.845 $\pm$ 0.107 χ^2 /NDF: 1235911.9/20

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 ± 22.134 χ^2/NDF : 16.2/15

Left Out: -124.430 ± 44.225 χ^2/NDF : 0.6/1

Right Out: -18.417 ± 22.141 χ^2/NDF : 23.4/18

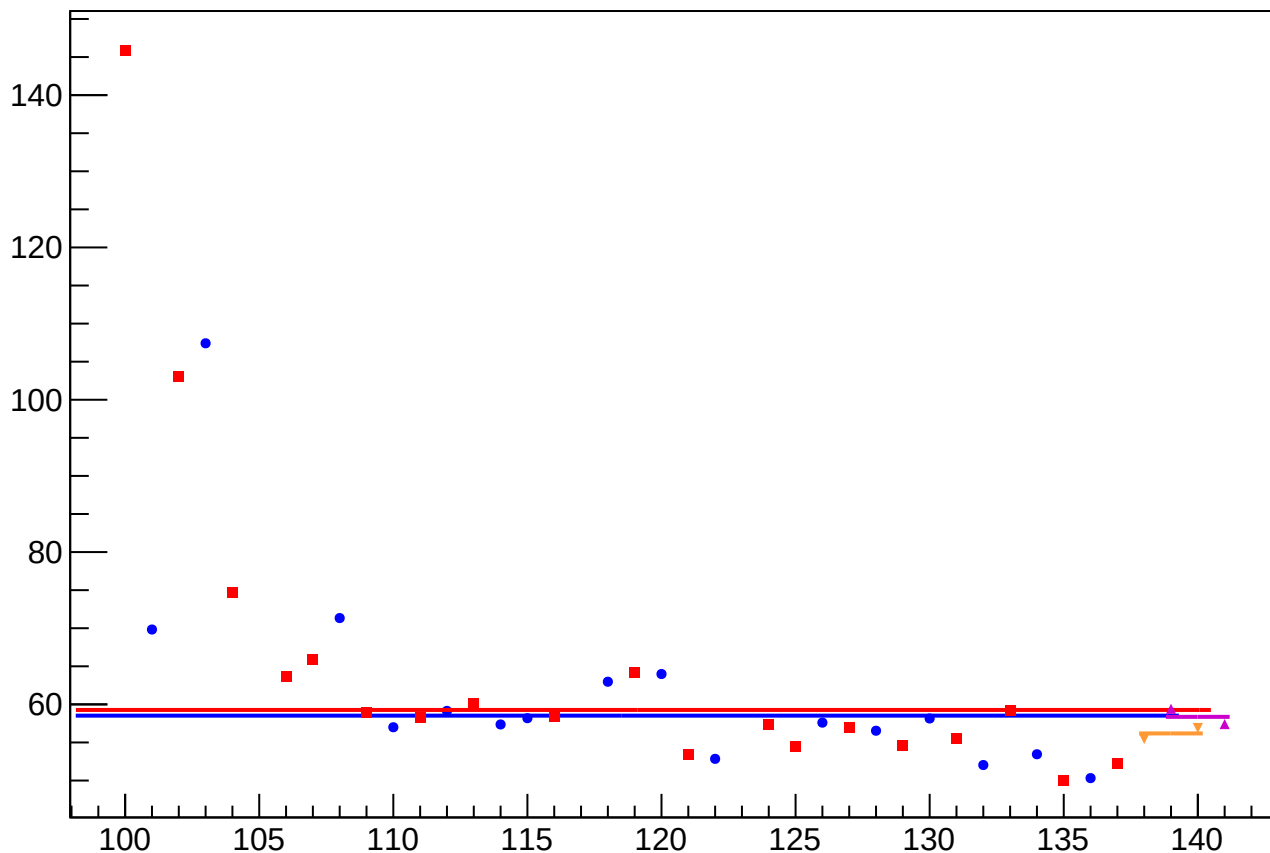
Left In: 66.123 ± 44.405 χ^2/NDF : 2.1/1

+ sign 3.077 ± 19.794 χ^2/NDF : 27.2/17

All: 0.749 ± 14.004 χ^2/NDF : 55.6/38

- sign -1.584 ± 19.815 χ^2/NDF : 28.4/20

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

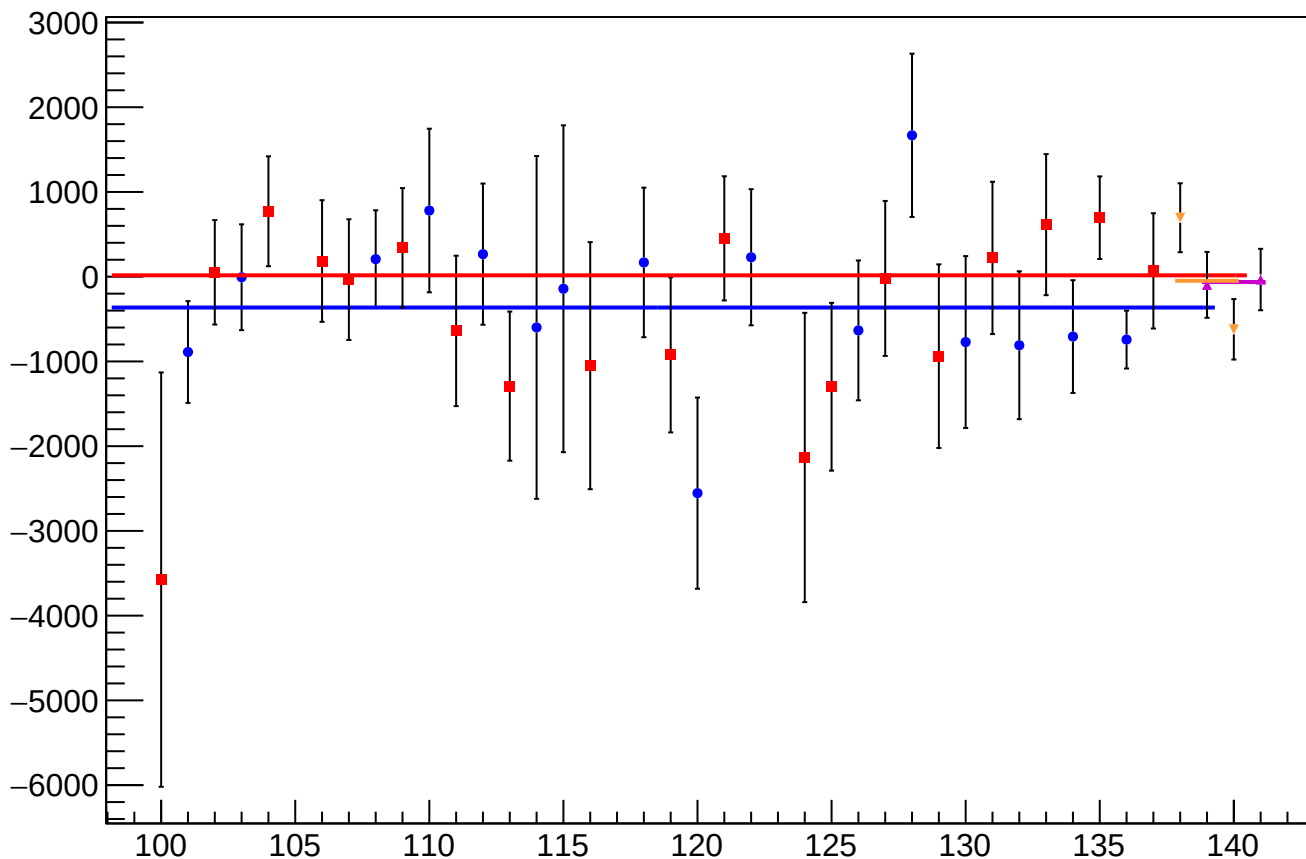
Left In: 58.363 $\pm$ 0.031 χ^2 /NDF: 1021.6/1

+ sign 58.054 $\pm$ 0.014 χ^2 /NDF: 397737.9/17

All: 58.571 $\pm$ 0.010 χ^2 /NDF: 807774.0/38

- sign 59.089 $\pm$ 0.014 χ^2 /NDF: 407305.2/20

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040 ± 180.602 χ^2/NDF : 15.2/15

Left Out: -48.204 ± 268.231 χ^2/NDF : 5.9/1

Right Out: 16.087 ± 183.650 χ^2/NDF : 15.1/18

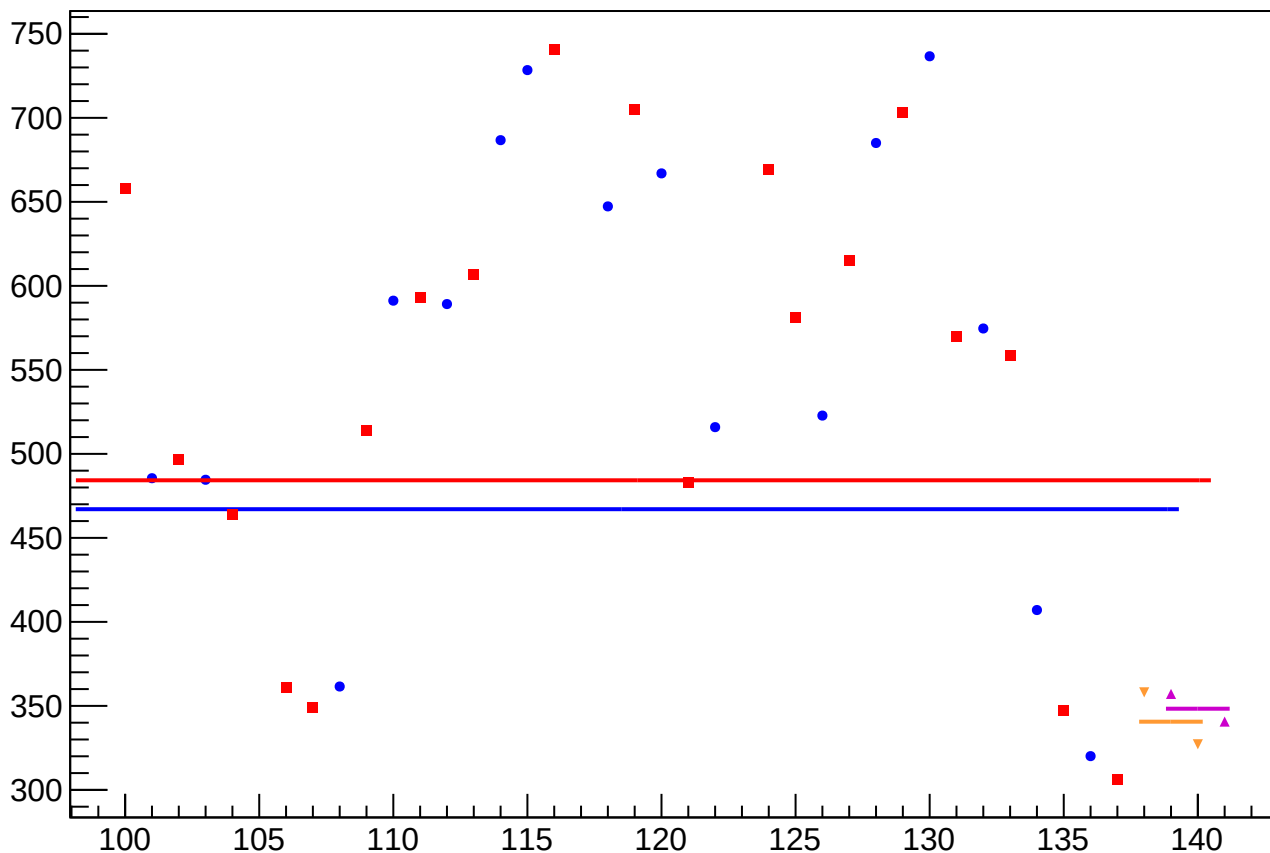
Left In: -62.786 ± 265.079 χ^2/NDF : 0.0/1

+ sign -265.521 ± 149.809 χ^2/NDF : 22.1/17

All: -138.487 ± 106.336 χ^2/NDF : 38.8/38

- sign -9.493 ± 150.960 χ^2/NDF : 15.2/20

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071 $\pm$ 0.128 χ^2 /NDF: 1030281.3/15

Left Out: 340.597 $\pm$ 0.190 χ^2 /NDF:6528.1/1

Right Out: 484.274 $\pm$ 0.130 χ^2 /NDF: 888797.2/18

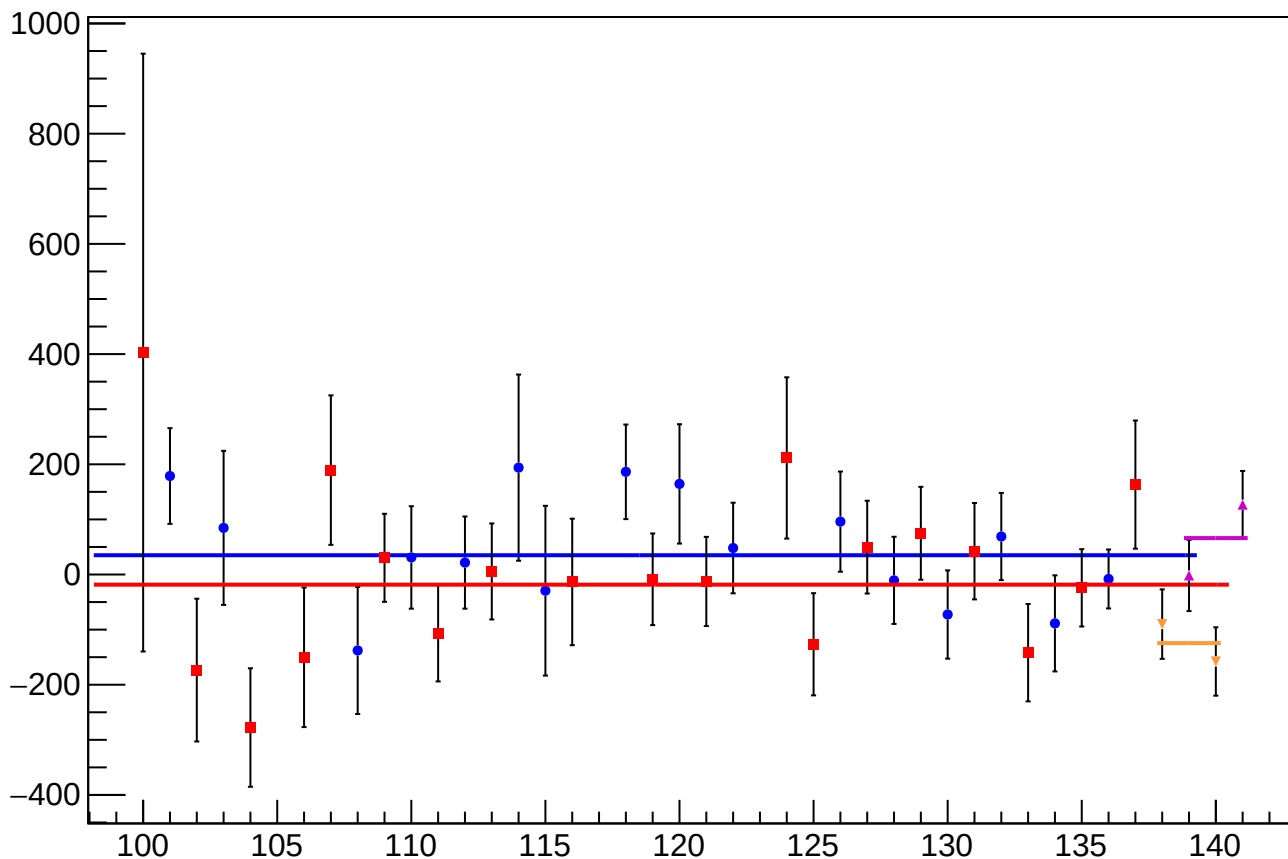
Left In: 348.322 $\pm$ 0.187 χ^2 /NDF:1921.1/1

+ sign 427.620 $\pm$ 0.106 χ^2 /NDF: 1342754.6/17

All: 433.853 $\pm$ 0.075 χ^2 /NDF: 2595910.6/38

- sign 440.182 $\pm$ 0.107 χ^2 /NDF: 1246178.3/20

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 $\chi^2/\text{NDF}: 23.4/18$

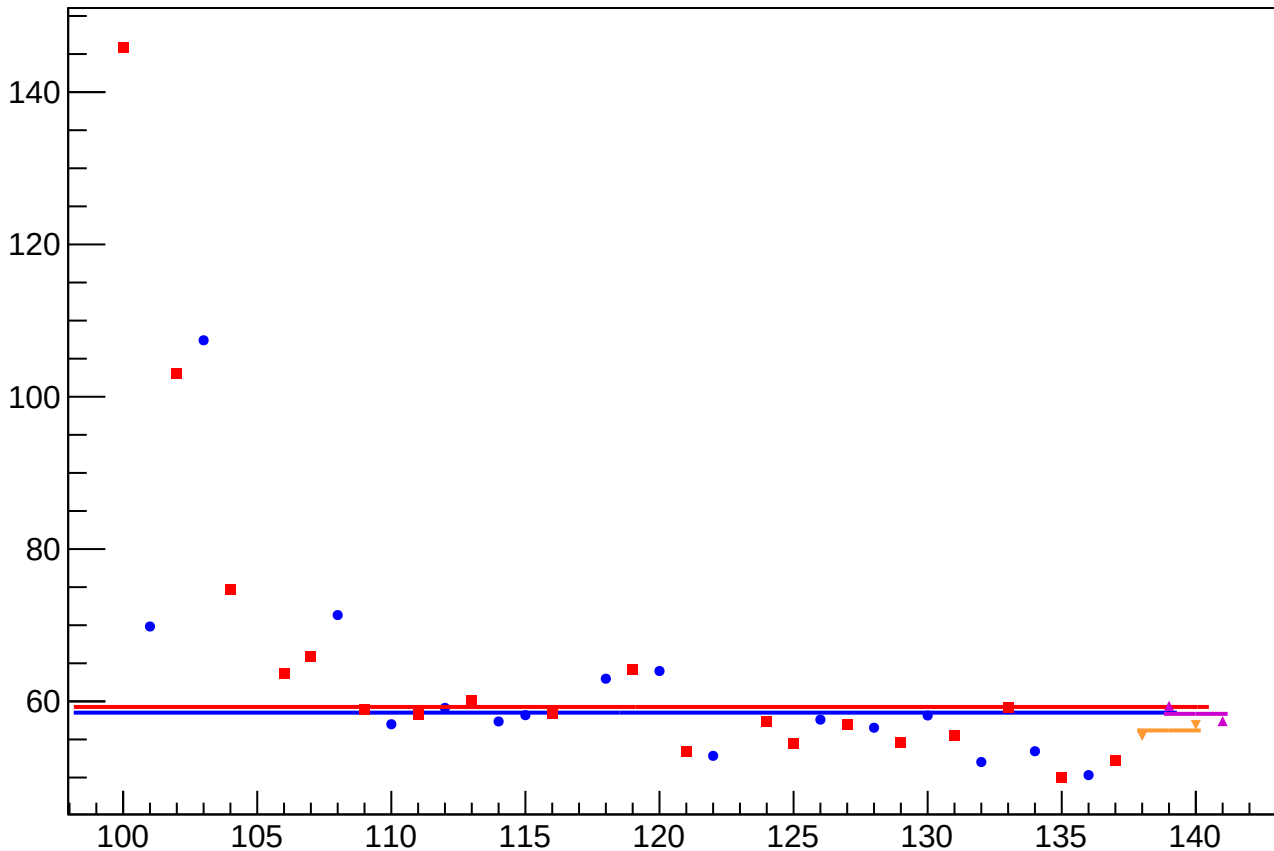
Left In: 66.123 ± 44.405 $\chi^2/\text{NDF}: 2.1/1$

+ sign 3.077 ± 19.794 $\chi^2/\text{NDF}: 27.2/17$

All: 0.749 ± 14.004 $\chi^2/\text{NDF}: 55.6/38$

- sign -1.584 ± 19.815 $\chi^2/\text{NDF}: 28.4/20$

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

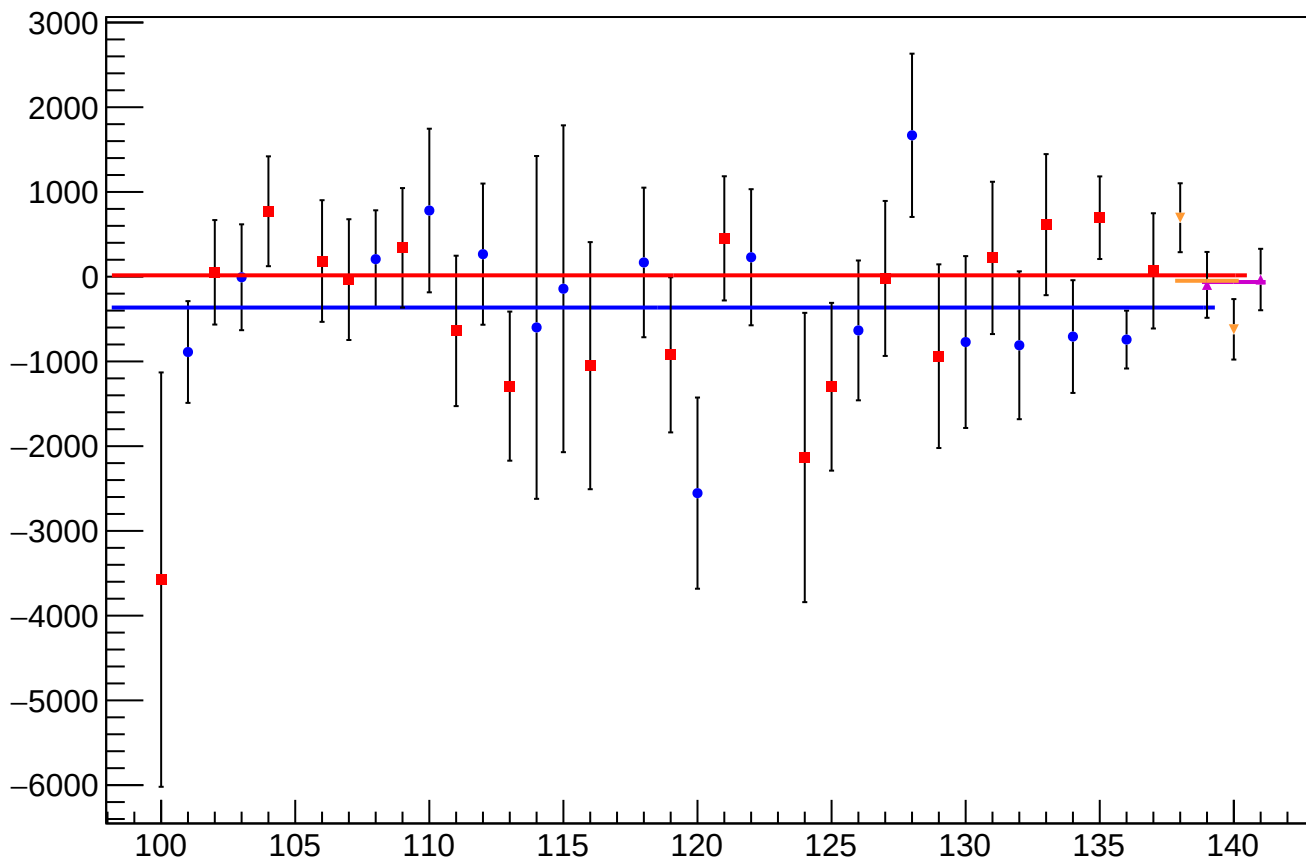
Left In: 58.363 $\pm$ 0.031 χ^2 /NDF: 1021.6/1

+ sign 58.054 $\pm$ 0.014 χ^2 /NDF: 397737.9/17

All: 58.571 $\pm$ 0.010 χ^2 /NDF: 807774.0/38

- sign 59.089 $\pm$ 0.014 χ^2 /NDF: 407305.2/20

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -364.040 $\pm$ 180.602 χ^2 /NDF: 15.2/15

Left Out: -48.204 $\pm$ 268.231 χ^2 /NDF: 5.9/1

Right Out: 16.087 $\pm$ 183.650 χ^2 /NDF: 15.1/18

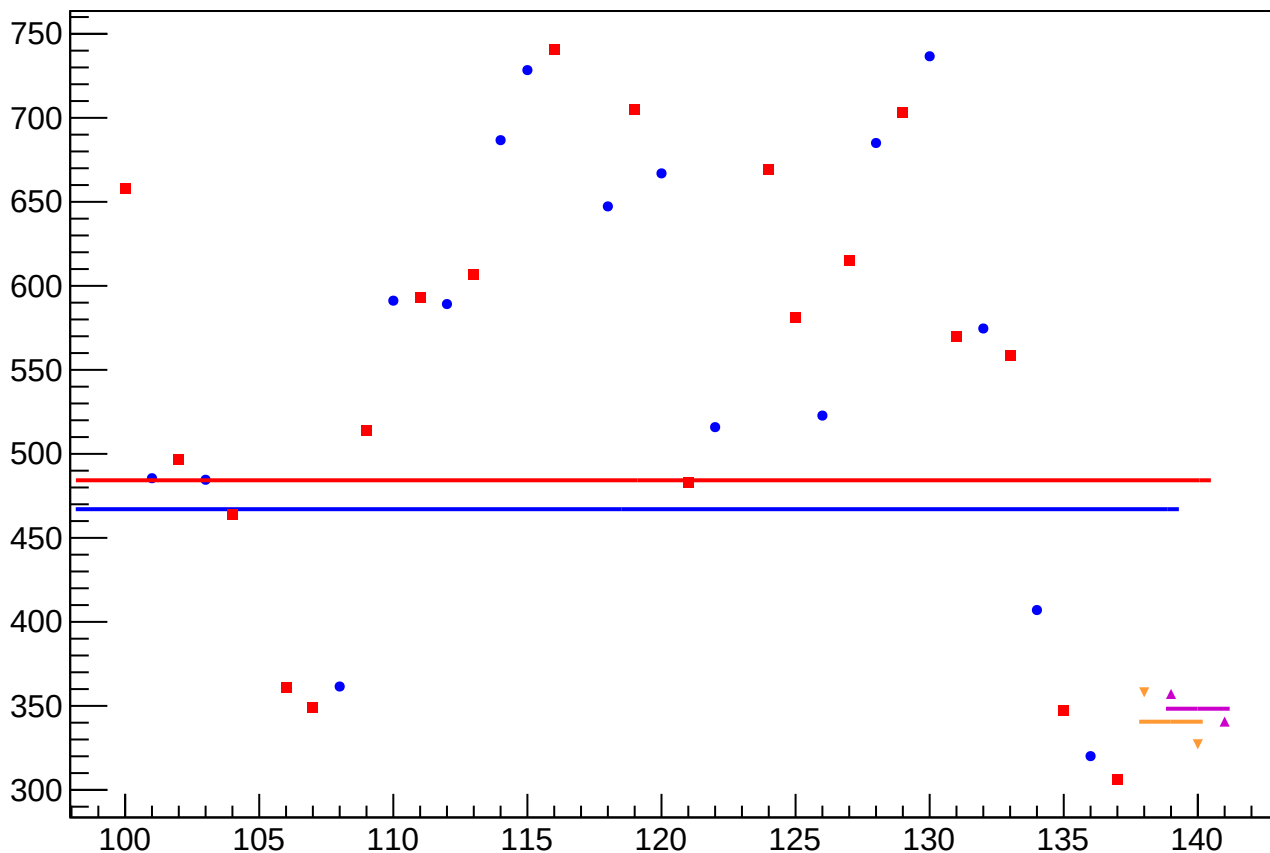
Left In: -62.786 $\pm$ 265.079 χ^2 /NDF: 0.0/1

+ sign -265.521 $\pm$ 149.809 χ^2 /NDF: 22.1/17

All: -138.487 $\pm$ 106.336 χ^2 /NDF: 38.8/38

- sign -9.493 $\pm$ 150.960 χ^2 /NDF: 15.2/20

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071 $\pm$ 0.128 χ^2 /NDF: 1030281.3/15

Left Out: 340.597 $\pm$ 0.190 χ^2 /NDF: 6528.1/1

Right Out: 484.274 $\pm$ 0.130 χ^2 /NDF: 888797.2/18

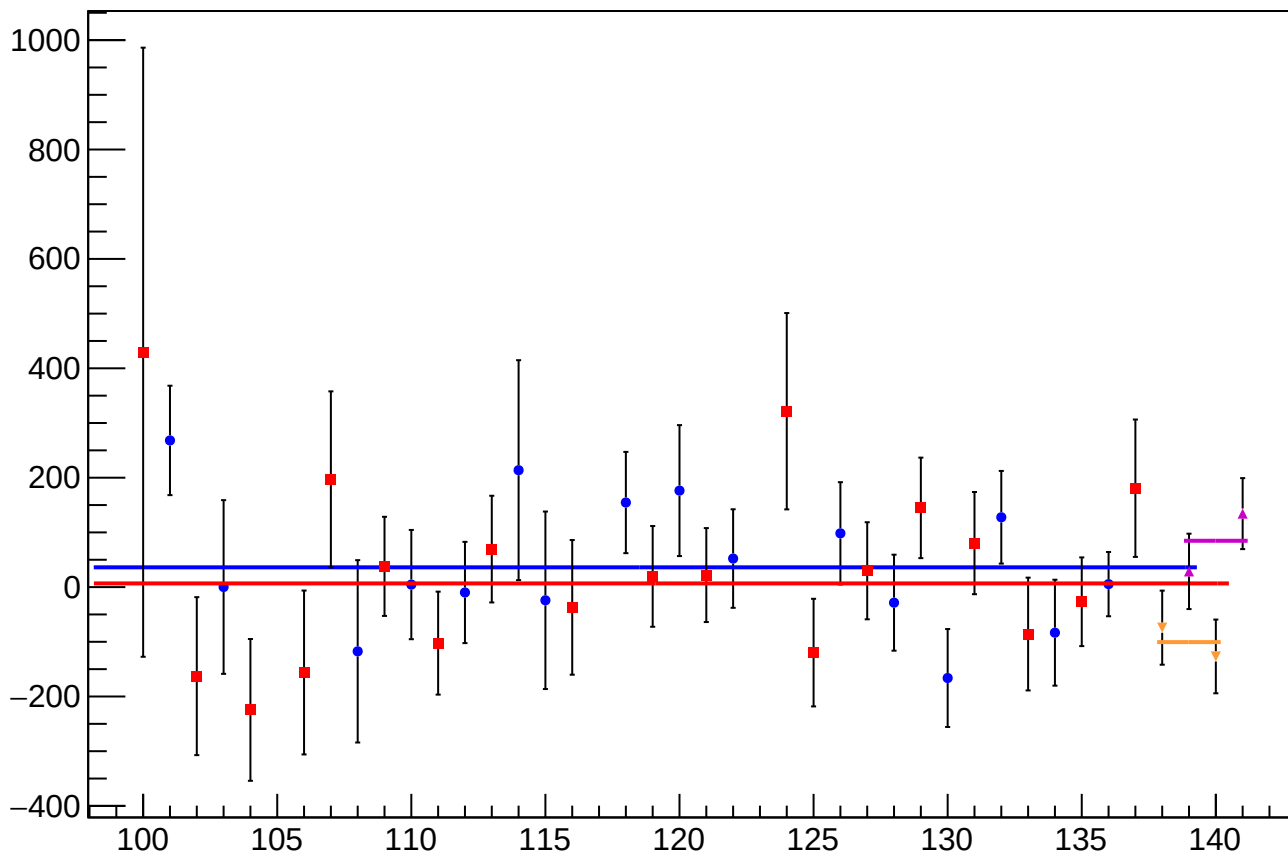
Left In: 348.322 $\pm$ 0.187 χ^2 /NDF: 1921.1/1

+ sign 427.620 $\pm$ 0.106 χ^2 /NDF: 1342754.6/17

All: 433.853 $\pm$ 0.075 χ^2 /NDF: 2595910.6/38

- sign 440.182 $\pm$ 0.107 χ^2 /NDF: 1246178.3/20

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157 ± 24.471 χ^2/NDF : 19.6/15

Left Out: -100.572 ± 47.766 χ^2/NDF : 0.3/1

Right Out: 6.734 ± 24.565 χ^2/NDF : 20.3/18

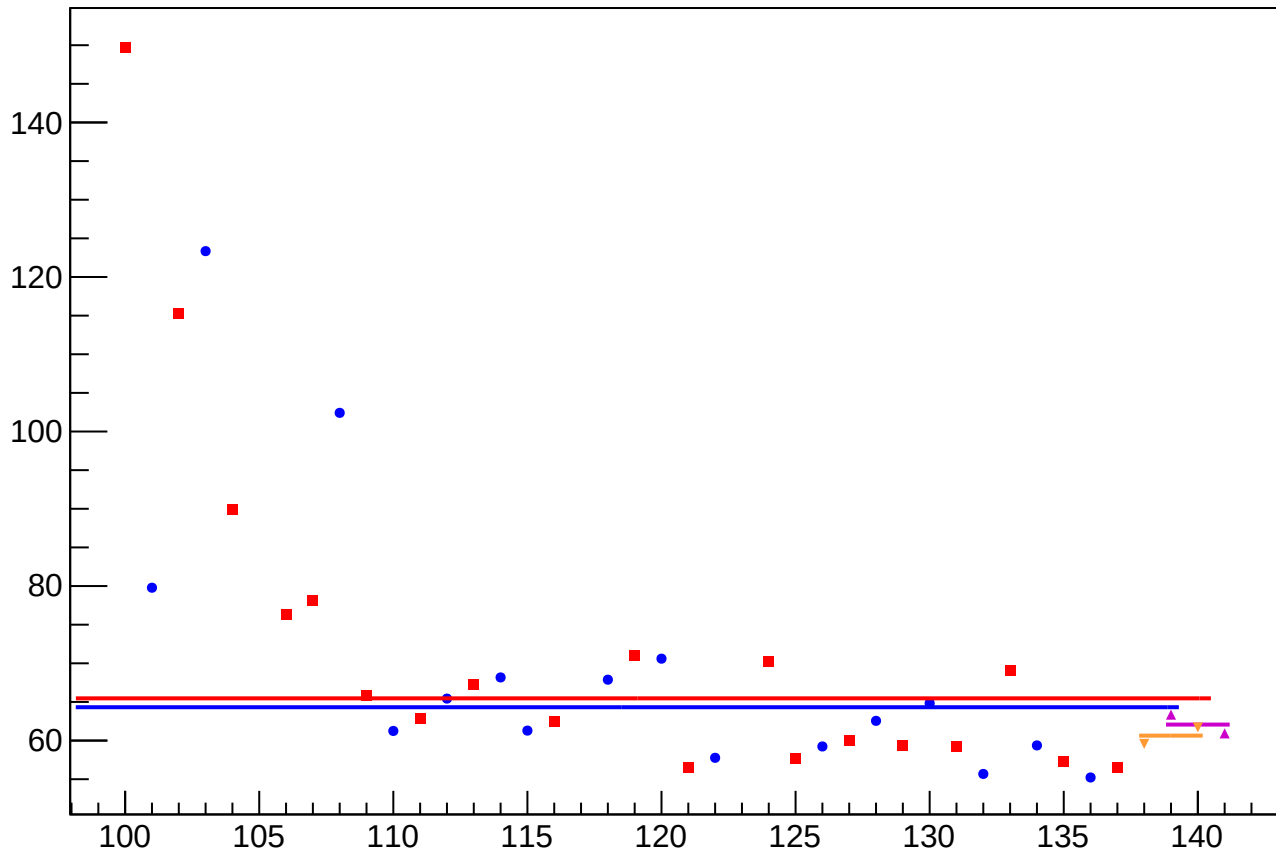
Left In: 84.713 ± 47.244 χ^2/NDF : 1.2/1

+ sign 7.730 ± 21.779 χ^2/NDF : 26.4/17

All: 15.524 ± 15.406 χ^2/NDF : 50.4/38

- sign 23.330 ± 21.795 χ^2/NDF : 23.7/20

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

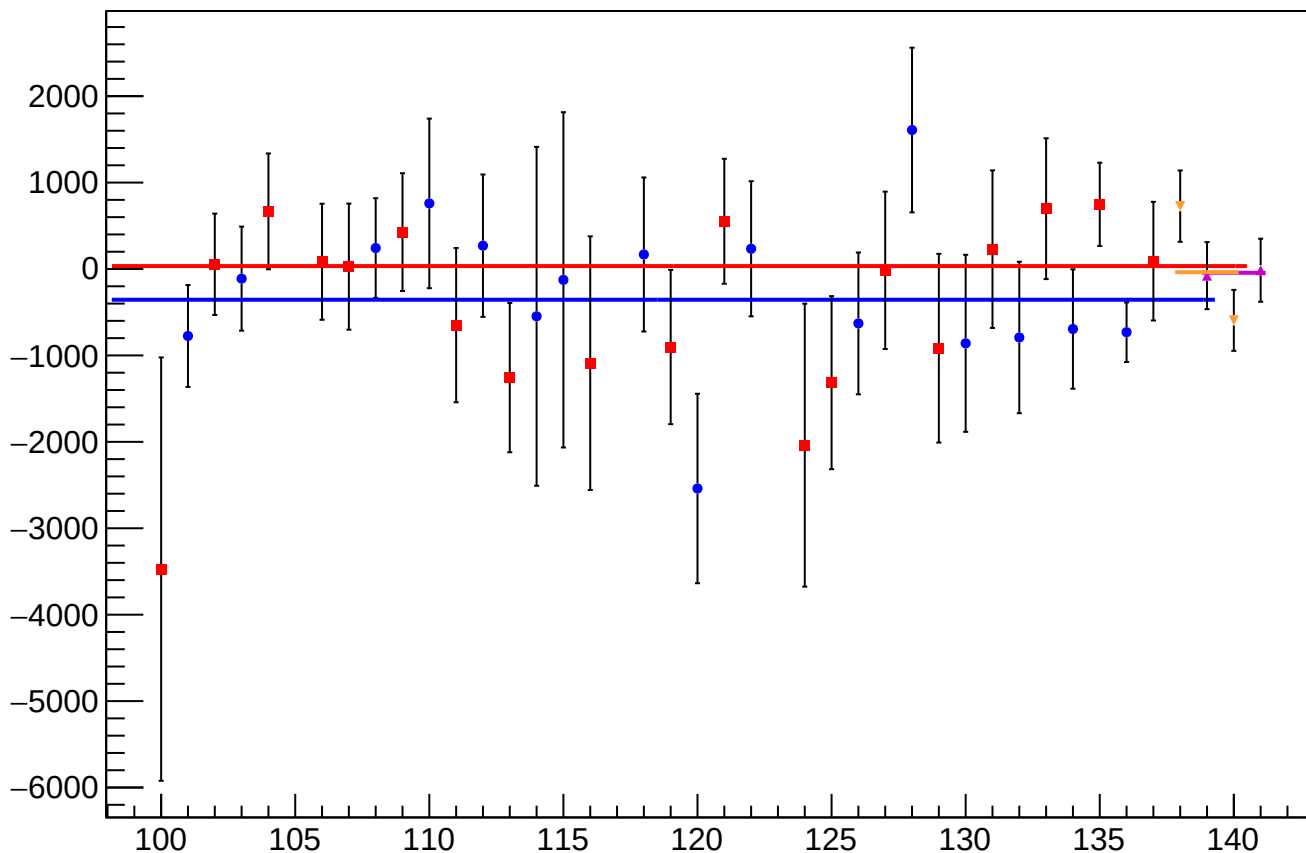
Left In: 62.071 $\pm$ 0.033 χ^2 /NDF: 1315.9/1

+ sign 63.552 $\pm$ 0.015 χ^2 /NDF: 542444.0/17

All: 64.147 $\pm$ 0.011 χ^2 /NDF: 1037242.4/38

- sign 64.744 $\pm$ 0.015 χ^2 /NDF: 491807.5/20

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529 ± 180.335 $\chi^2/\text{NDF}: 14.8/15$

Left Out: -36.446 ± 268.135 $\chi^2/\text{NDF}: 5.9/1$

Right Out: 33.786 ± 181.561 $\chi^2/\text{NDF}: 15.4/18$

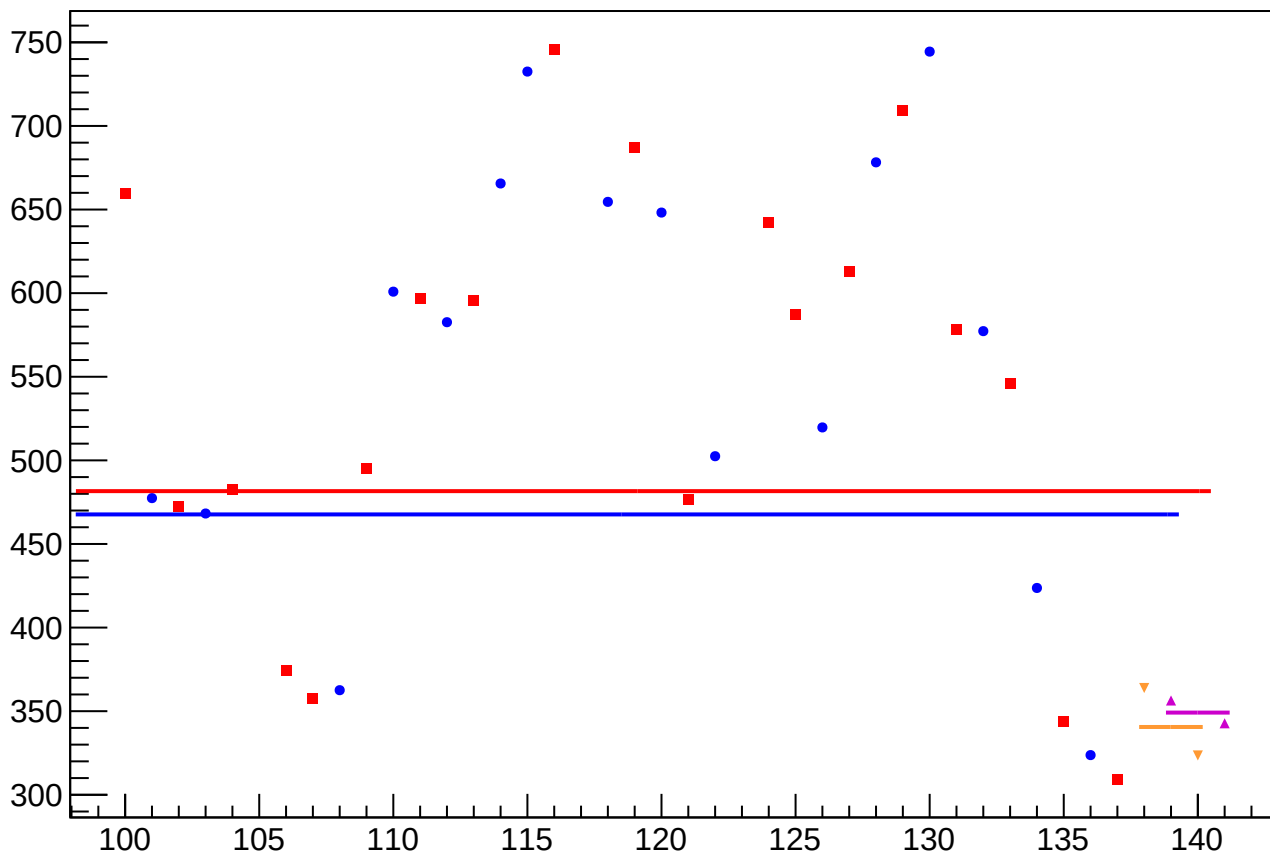
Left In: -43.298 ± 265.733 $\chi^2/\text{NDF}: 0.0/1$

+ sign -256.151 ± 149.640 $\chi^2/\text{NDF}: 21.7/17$

All: -123.689 ± 105.907 $\chi^2/\text{NDF}: 38.7/38$

- sign 9.254 ± 149.911 $\chi^2/\text{NDF}: 15.5/20$

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

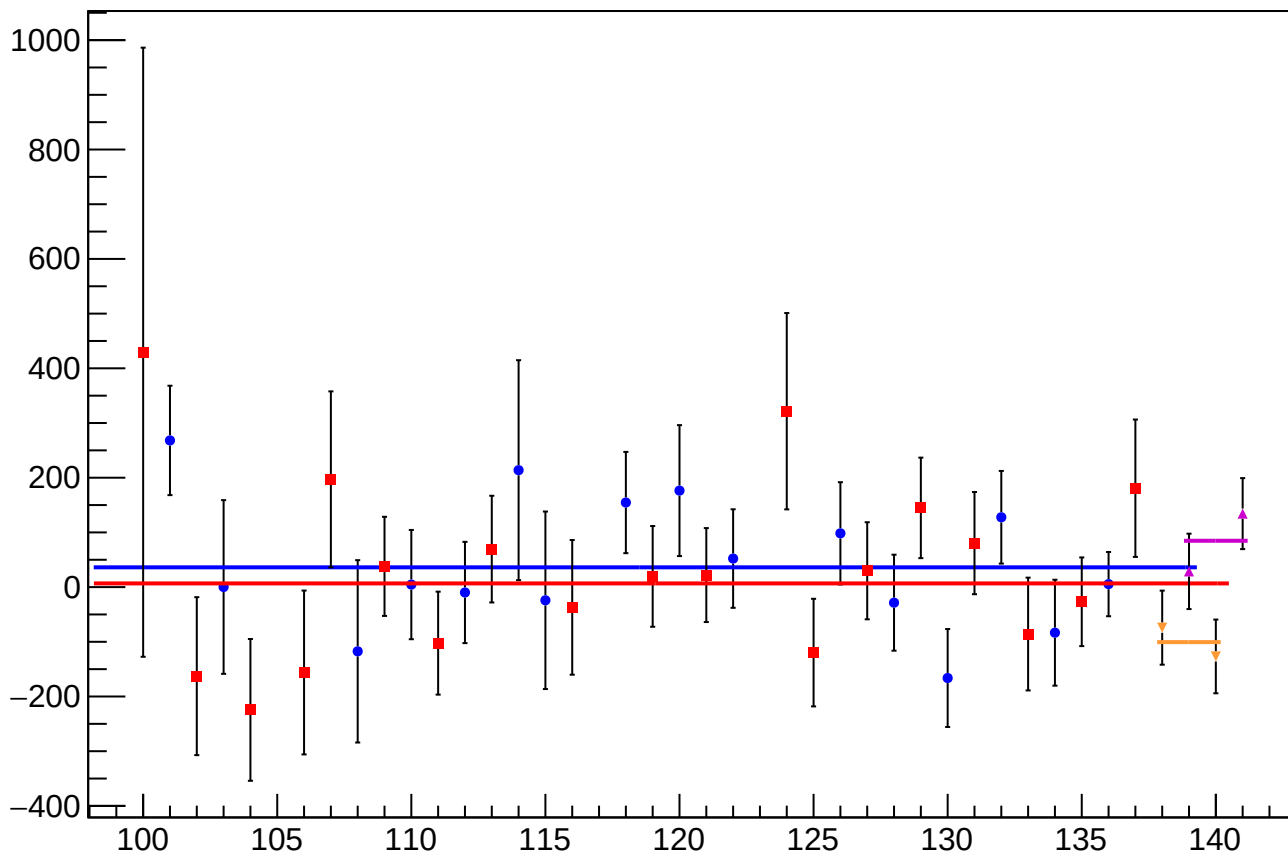
Left In: 349.159 $\pm$ 0.188 χ^2 /NDF:1311.5/1

+ sign 428.082 $\pm$ 0.106 χ^2 /NDF: 1306515.4/17

All: 433.756 $\pm$ 0.075 χ^2 /NDF: 2506557.1/38

- sign 439.450 $\pm$ 0.106 χ^2 /NDF: 1194281.7/20

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF : 19.6/15

Left Out: -100.571+/-47.766 χ^2/NDF : 0.3/1

Right Out: 6.735+/-24.565 χ^2/NDF : 20.3/18

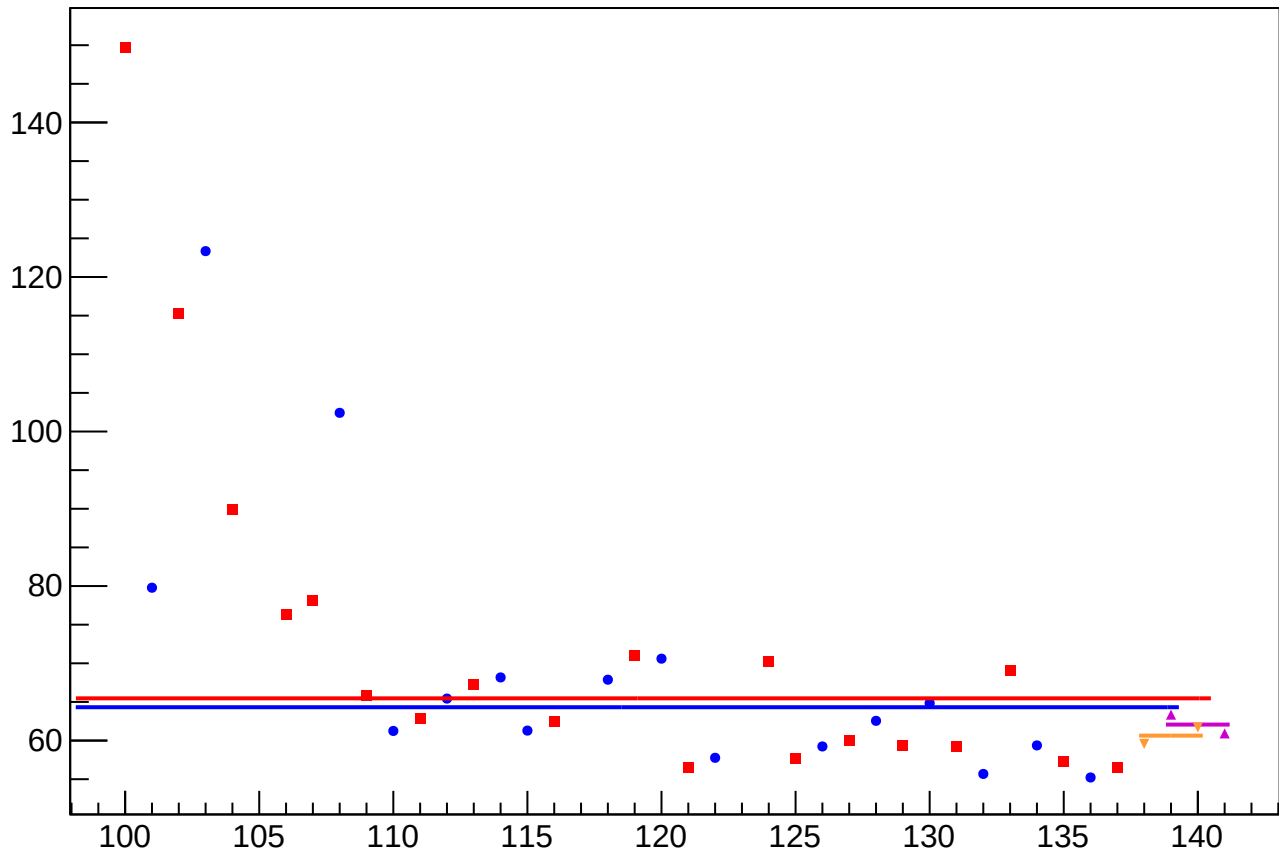
Left In: 84.712+/-47.244 χ^2/NDF : 1.2/1

+ sign 7.731+/-21.779 χ^2/NDF : 26.4/17

All: 15.525+/-15.406 χ^2/NDF : 50.4/38

- sign 23.330+/-21.795 χ^2/NDF : 23.7/20

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF : 532073.4/15

Left Out: 60.640+/-0.034 χ^2/NDF : 995.1/1

Right Out: 65.466+/-0.017 χ^2/NDF : 482367.1/18

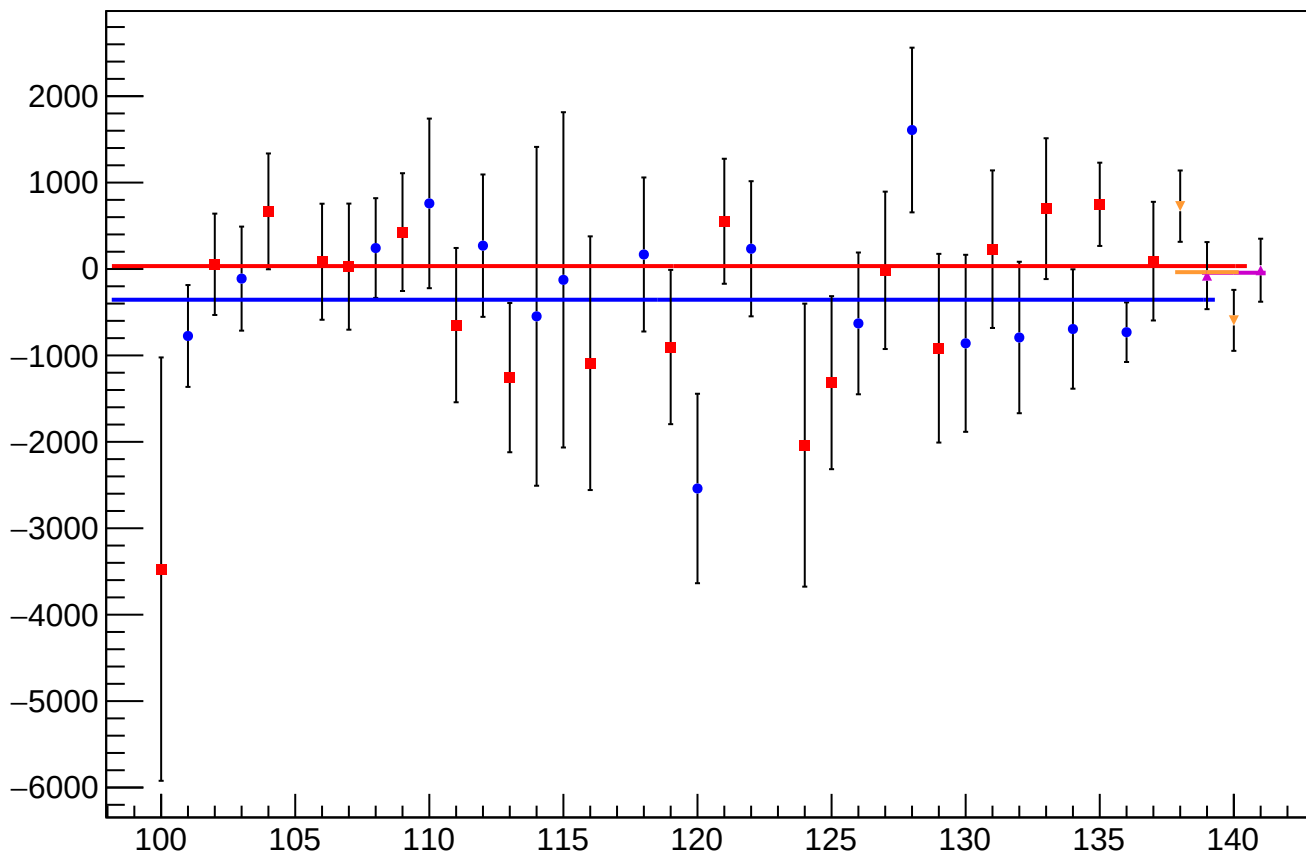
Left In: 62.071+/-0.033 χ^2/NDF : 1315.7/1

+ sign 63.552+/-0.015 χ^2/NDF : 542451.1/17

All: 64.147+/-0.011 χ^2/NDF : 1037254.4/38

- sign 64.743+/-0.015 χ^2/NDF : 491812.5/20

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -355.529 ± 180.334 χ^2/NDF : 14.8/15

Left Out: -36.447 ± 268.136 χ^2/NDF : 5.9/1

Right Out: 33.787 ± 181.560 χ^2/NDF : 15.4/18

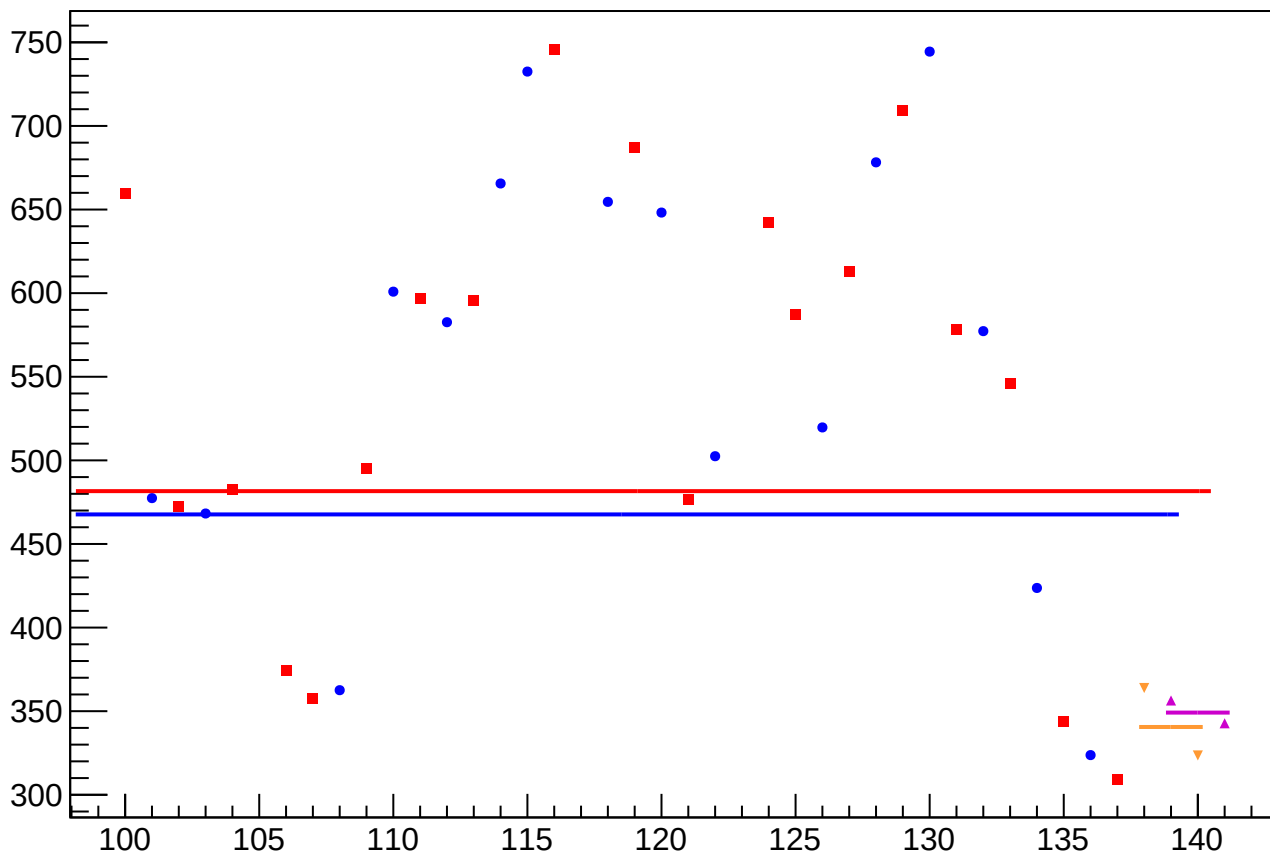
Left In: -43.298 ± 265.733 χ^2/NDF : 0.0/1

+ sign -256.152 ± 149.640 χ^2/NDF : 21.7/17

All: -123.689 ± 105.907 χ^2/NDF : 38.7/38

- sign 9.254 ± 149.911 χ^2/NDF : 15.5/20

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF : 985945.4/15

Left Out: 340.553+/-0.190 χ^2/NDF : 11043.4/1

Right Out: 481.599+/-0.128 χ^2/NDF : 854281.0/18

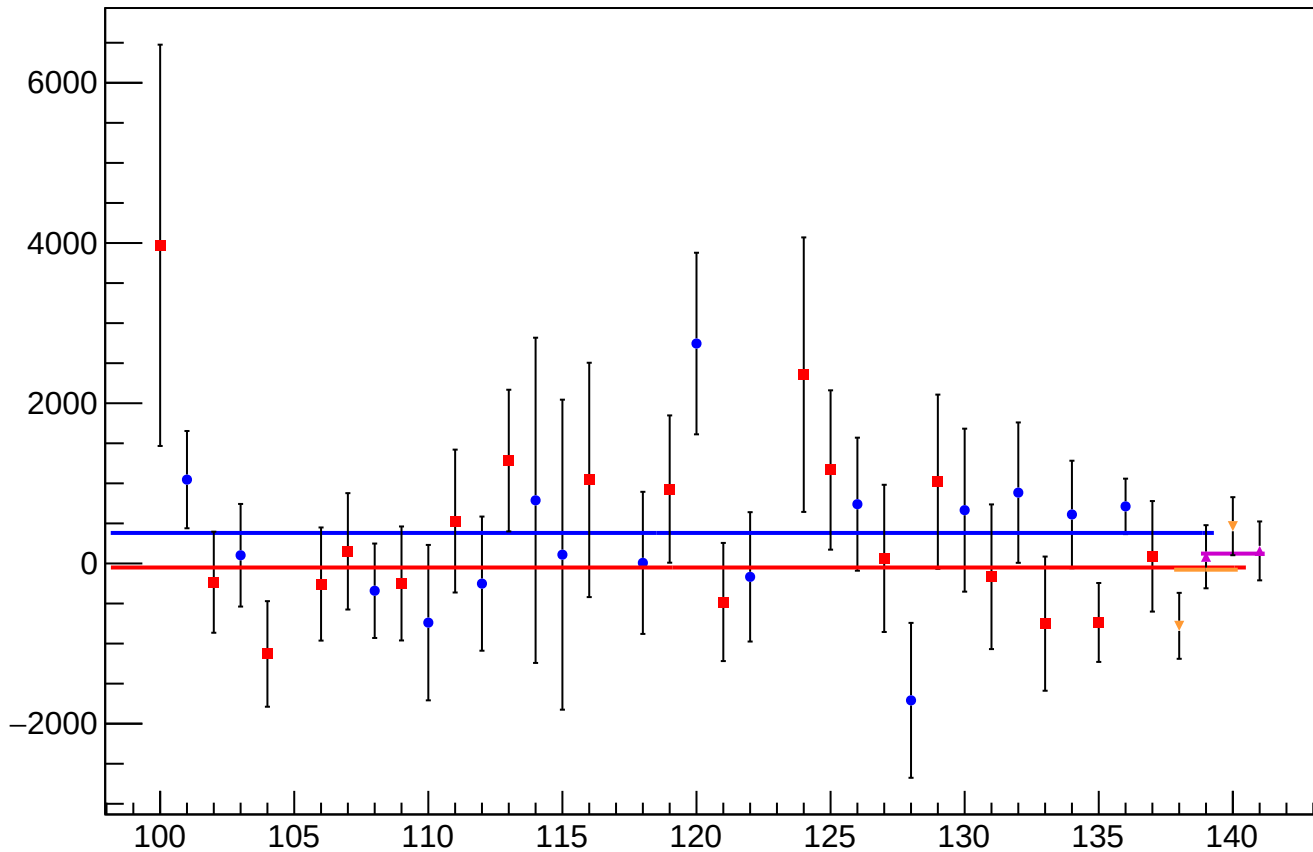
Left In: 349.160+/-0.188 χ^2/NDF : 1311.6/1

+ sign 428.082+/-0.106 χ^2/NDF : 1306510.6/17

All: 433.756+/-0.075 χ^2/NDF : 2506544.2/38

- sign 439.449+/-0.106 χ^2/NDF : 1194273.7/20

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086 ± 182.655 χ^2/NDF : 16.1/15

Left Out: -77.704 ± 271.949 χ^2/NDF : 5.1/1

Right Out: -50.392 ± 185.262 χ^2/NDF : 17.5/18

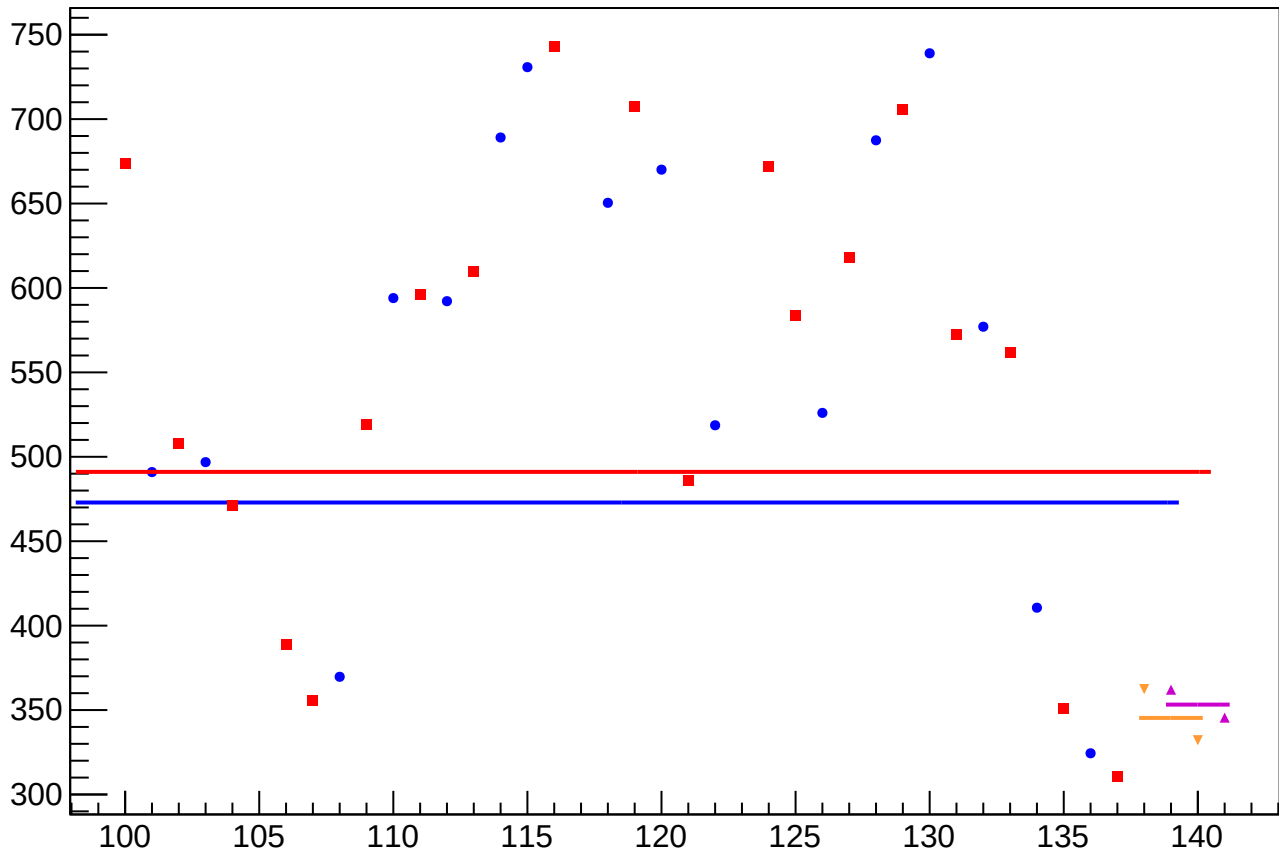
Left In: 122.918 ± 268.802 χ^2/NDF : 0.0/1

+ sign 238.459 ± 151.629 χ^2/NDF : 23.3/17

All: 122.639 ± 107.539 χ^2/NDF : 42.2/38

- sign 5.420 ± 152.541 χ^2/NDF : 17.8/20

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

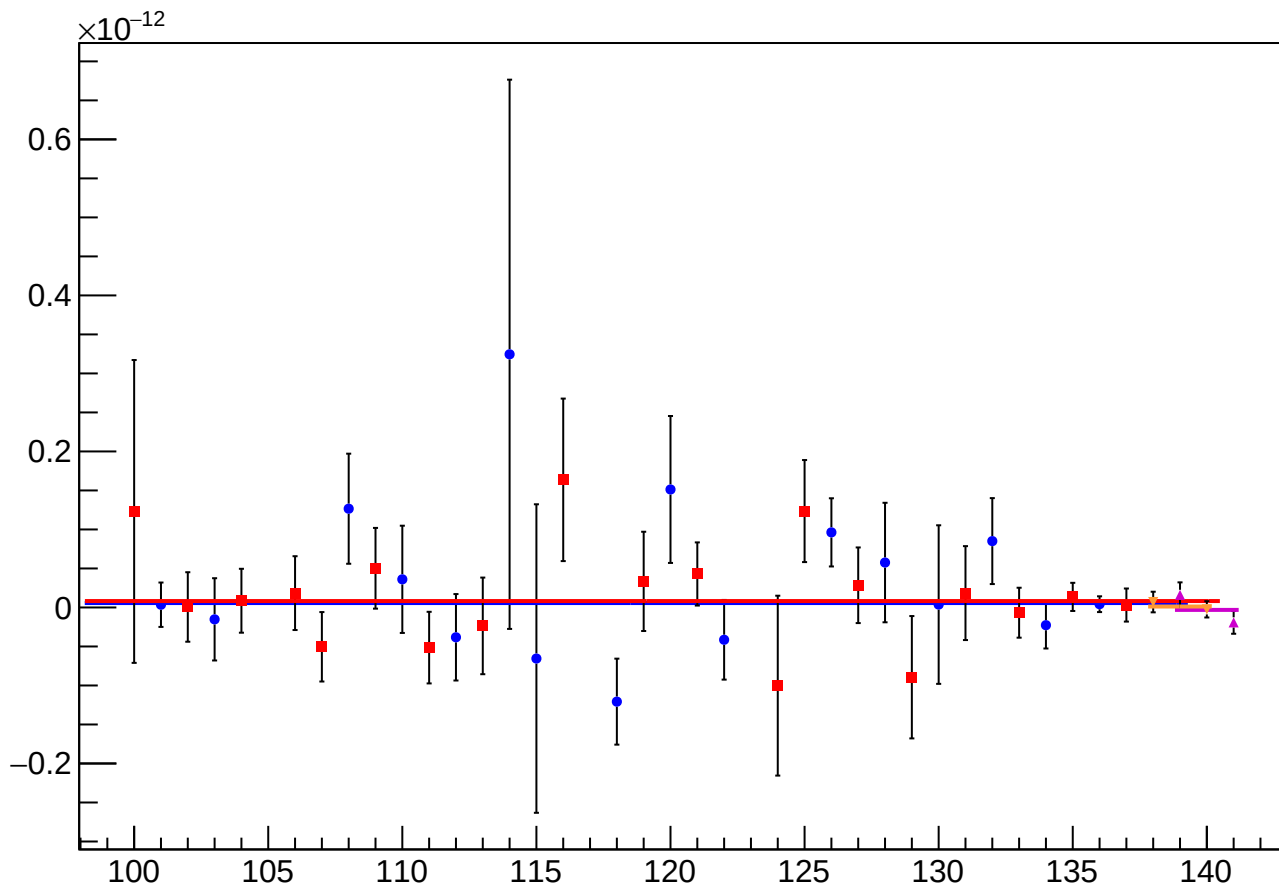
Left In: 353.227 $\pm$ 0.190 χ^2 /NDF:1885.3/1

+ sign 433.266 $\pm$ 0.107 χ^2 /NDF: 1309652.2/17

All: 439.930 $\pm$ 0.076 χ^2 /NDF: 2523330.0/38

- sign 446.674 $\pm$ 0.108 χ^2 /NDF: 1205905.3/20

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

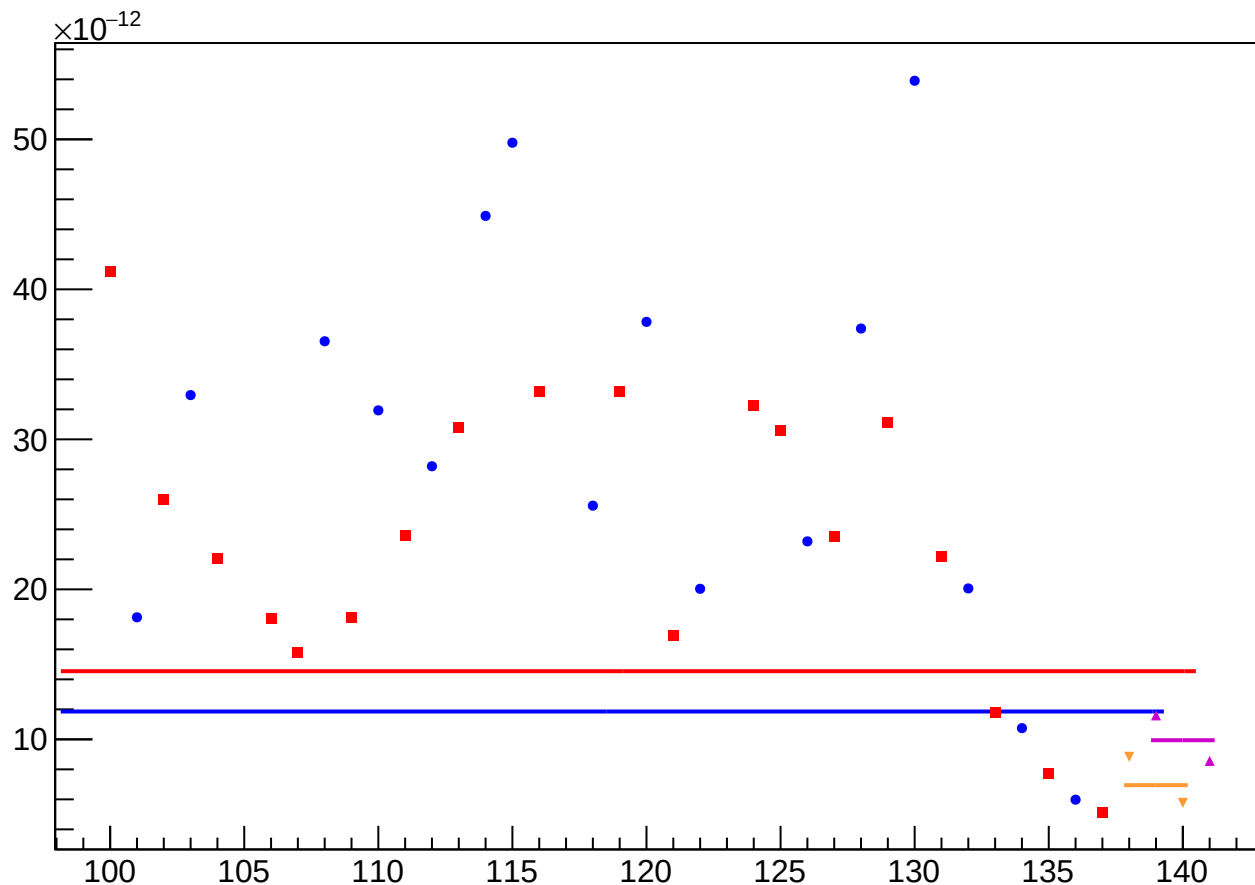
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 2.7/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 21.6/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 38.9/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17.3/20

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

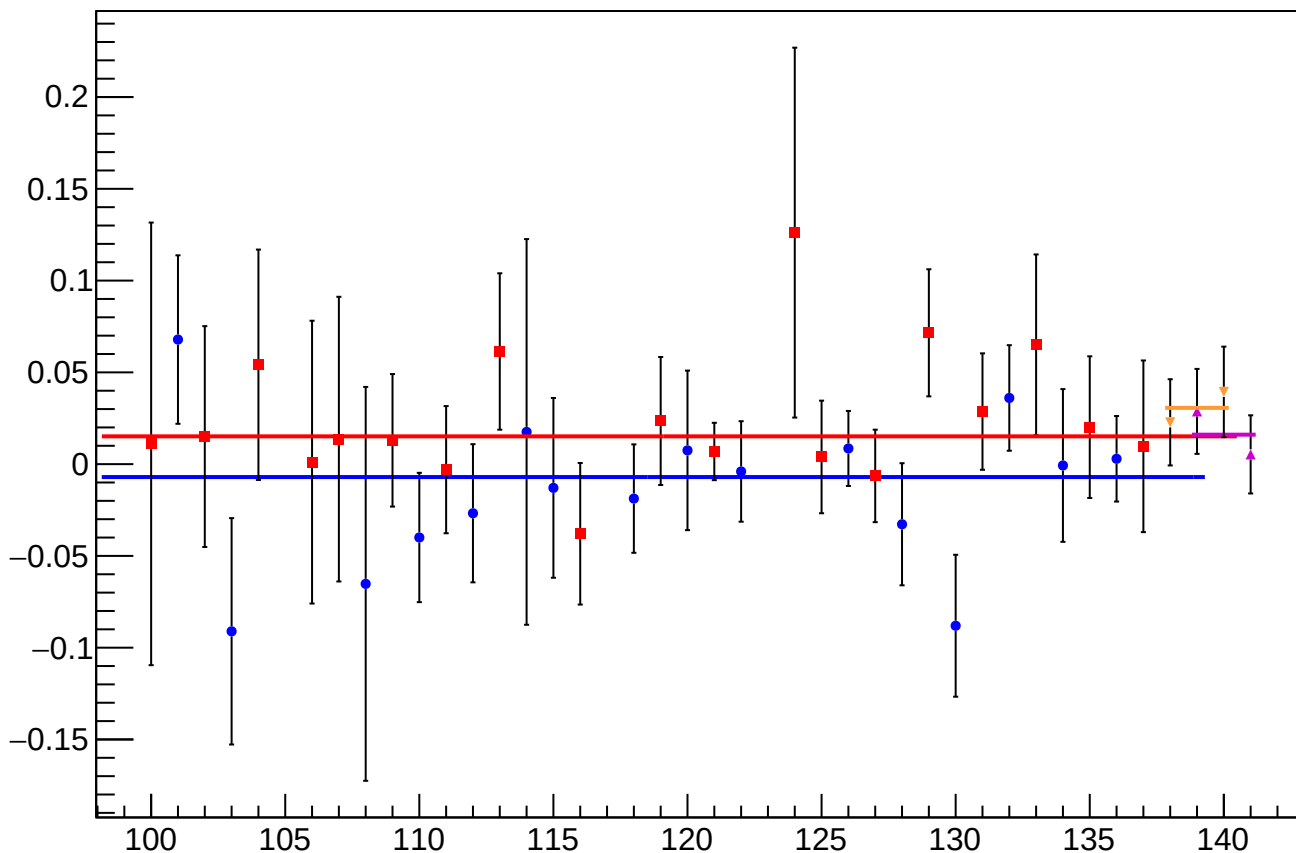
Left In: 0.000+/-0.000 χ^2/NDF : 39309.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3278346.0/17

All: 0.000+/-0.000 χ^2/NDF : 5537577.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2018266.4/20

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 0.031 ± 0.017 $\chi^2/\text{NDF}: 0.2/1$

Right Out: 0.015 ± 0.008 $\chi^2/\text{NDF}: 10.1/18$

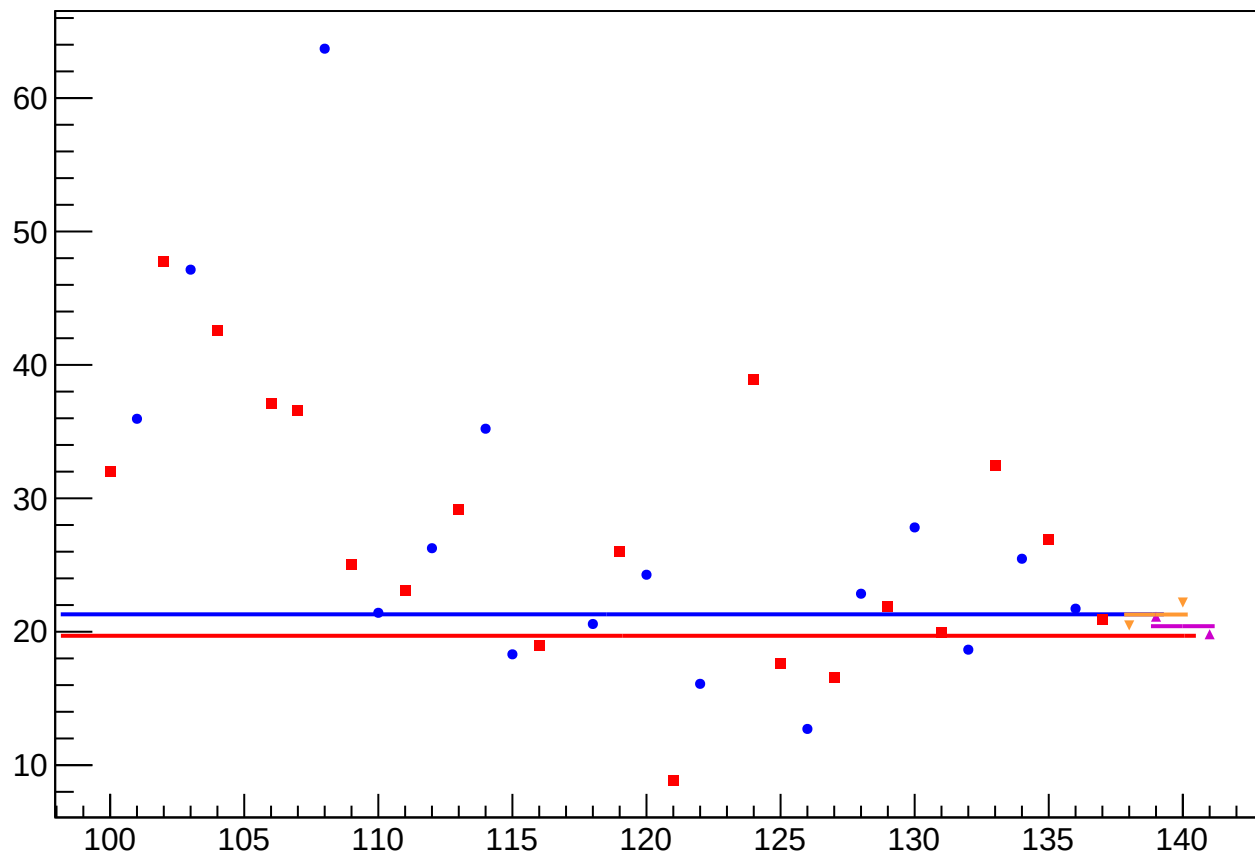
Left In: 0.016 ± 0.016 $\chi^2/\text{NDF}: 0.6/1$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 18.5/17$

All: 0.008 ± 0.005 $\chi^2/\text{NDF}: 31.0/38$

- sign 0.015 ± 0.007 $\chi^2/\text{NDF}: 10.6/20$

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

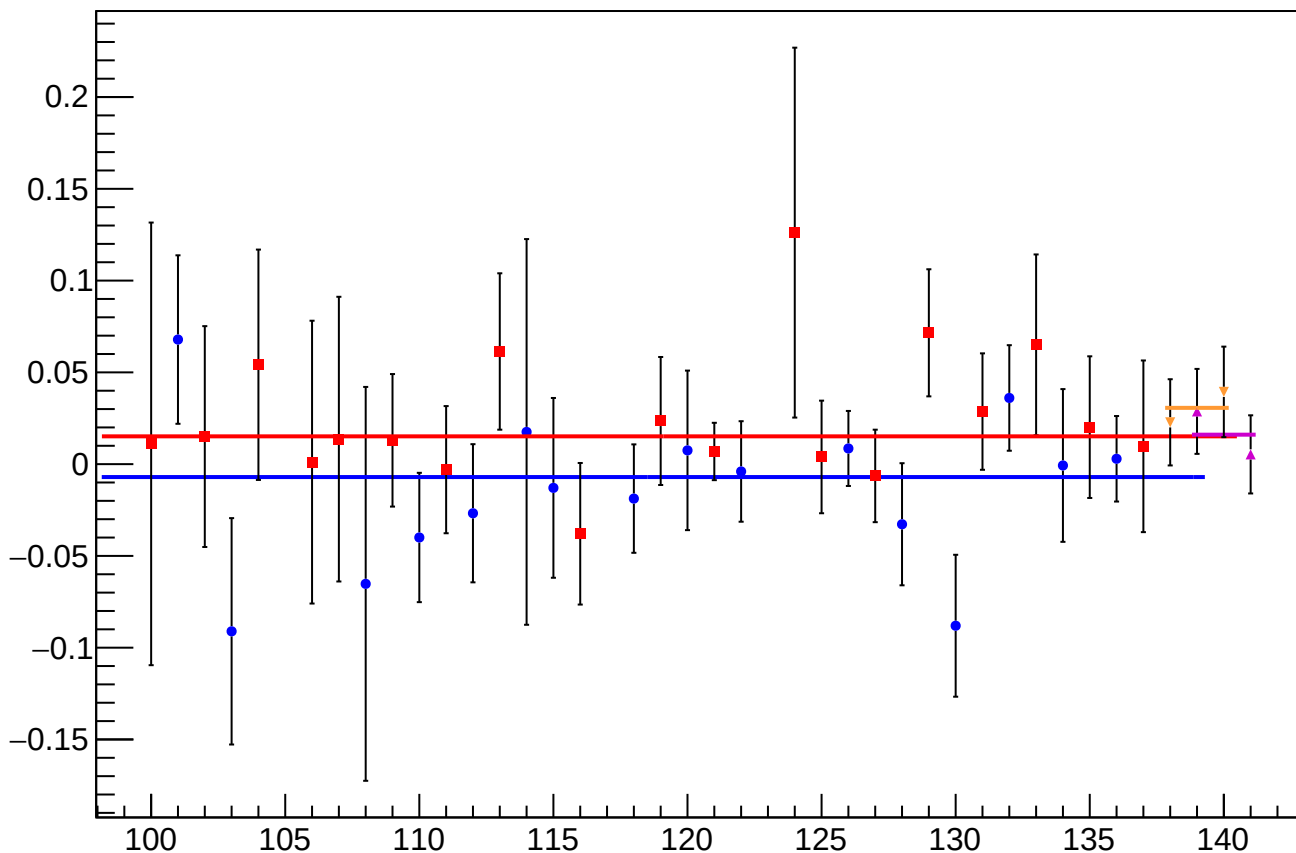
Left In: 20.416 $\pm$ 0.011 χ^2/NDF : 3512.6/1

+ sign 21.302 $\pm$ 0.005 χ^2/NDF : 1484474.8/17

All: 20.538 $\pm$ 0.004 χ^2/NDF : 3967748.5/38

- sign 19.852 $\pm$ 0.005 χ^2/NDF : 2445796.5/20

asym_sam_13_57_dd_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

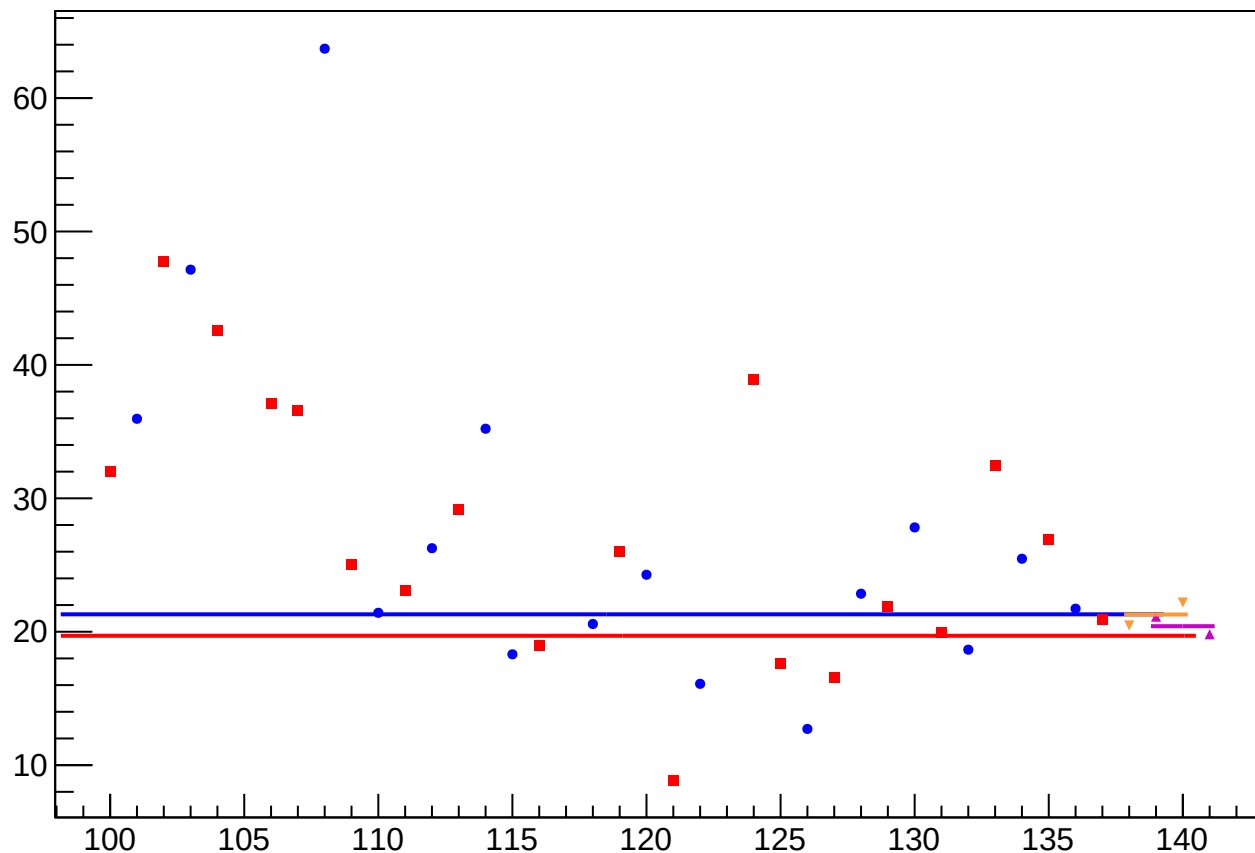
Left In: 0.016 ± 0.016 χ^2/NDF : 0.6/1

+ sign 0.001 ± 0.008 χ^2/NDF : 18.5/17

All: 0.008 ± 0.005 χ^2/NDF : 31.0/38

- sign 0.015 ± 0.007 χ^2/NDF : 10.6/20

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

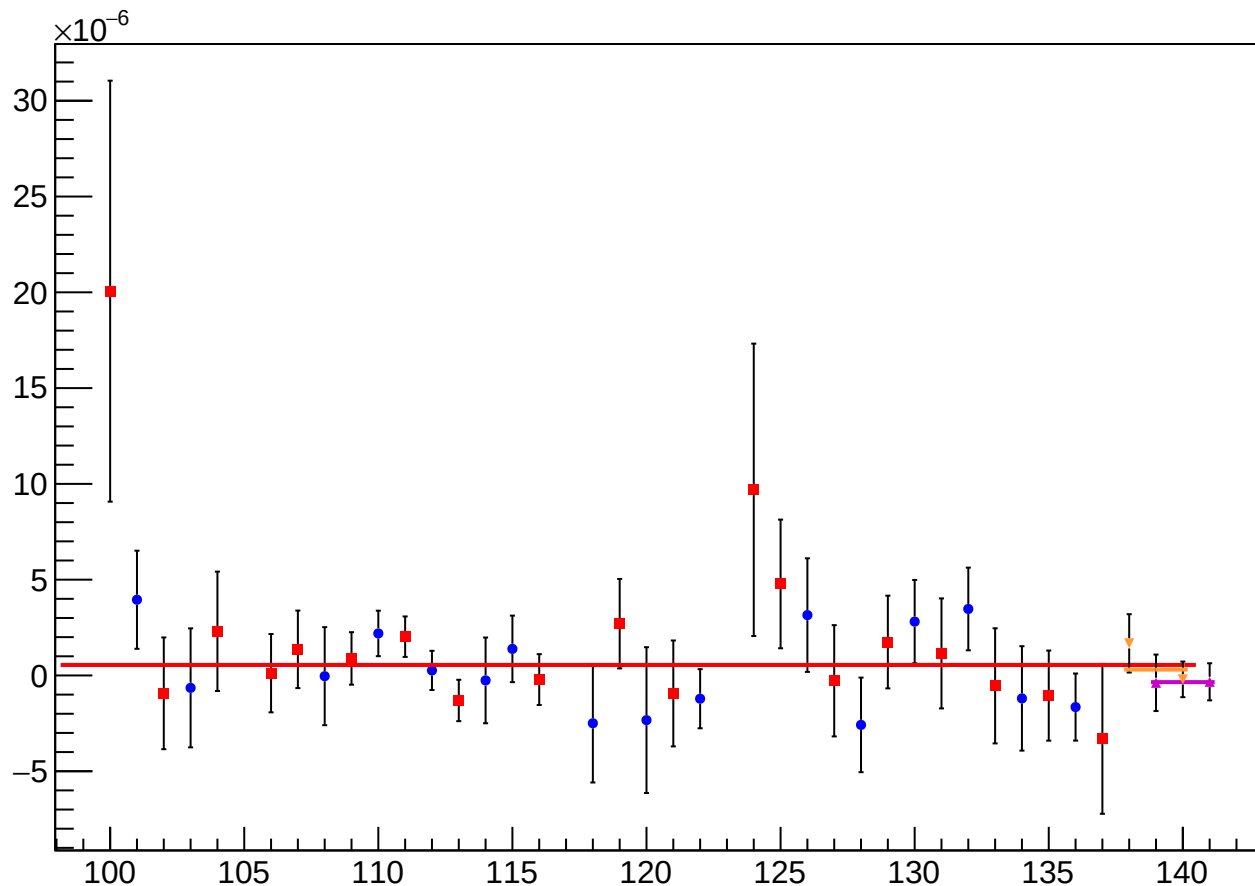
Left In: 20.416 $\pm$ 0.011 χ^2/NDF : 3512.6/1

+ sign 21.302 $\pm$ 0.005 χ^2/NDF : 1484474.8/17

All: 20.538 $\pm$ 0.004 χ^2/NDF : 3967748.5/38

- sign 19.852 $\pm$ 0.005 χ^2/NDF : 2445796.5/20

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

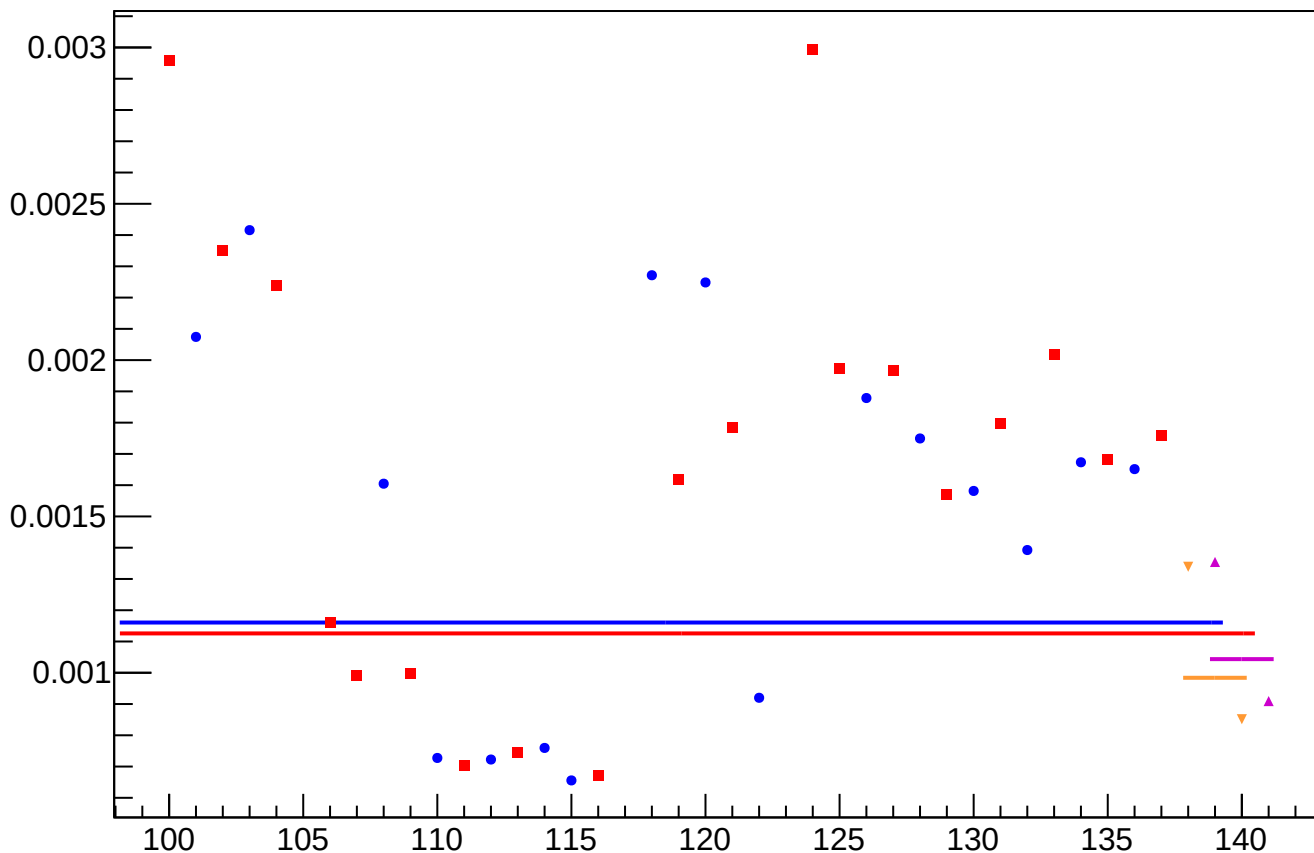
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/20

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

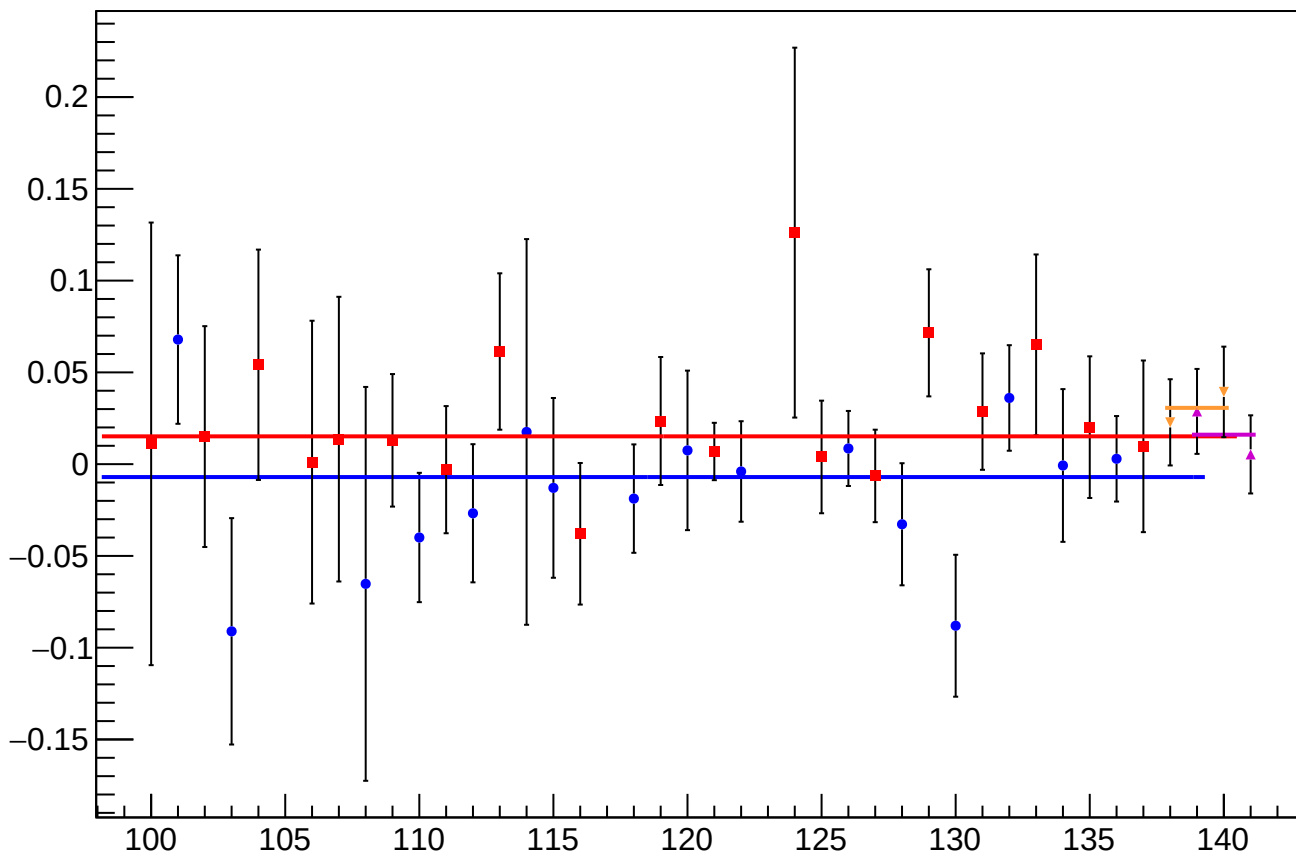
Left In: 0.001+/-0.000 χ^2/NDF :127300.6/1

+ sign 0.001+/-0.000 χ^2/NDF : 2756831.8/17

All: 0.001+/-0.000 χ^2/NDF : 5524096.9/38

- sign 0.001+/-0.000 χ^2/NDF : 2766907.8/20

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 $\pm$ 0.009 χ^2 /NDF: 14.3/15

Left Out: 0.031 $\pm$ 0.017 χ^2 /NDF: 0.2/1

Right Out: 0.015 $\pm$ 0.008 χ^2 /NDF: 10.1/18

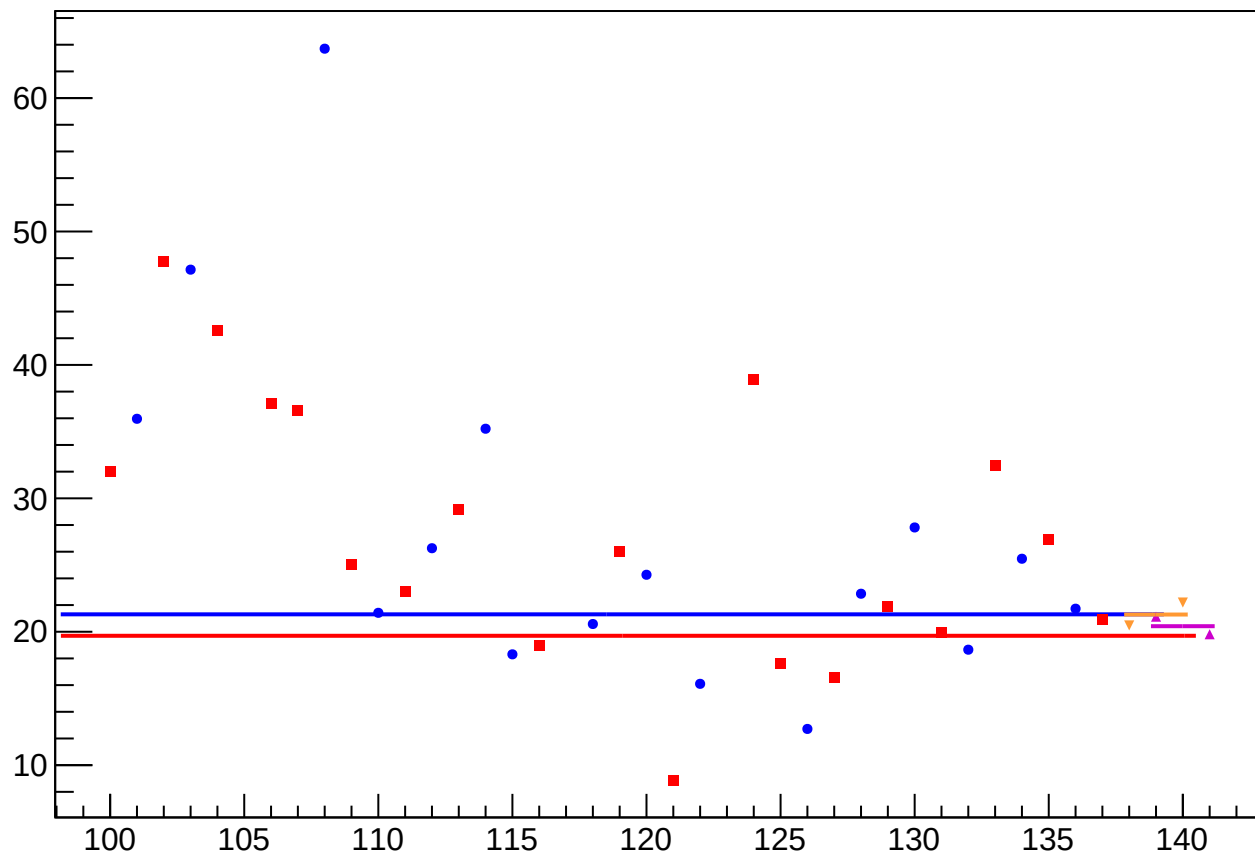
Left In: 0.016 $\pm$ 0.016 χ^2 /NDF: 0.6/1

+ sign 0.001 $\pm$ 0.008 χ^2 /NDF: 18.5/17

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 31.0/38

- sign 0.015 $\pm$ 0.007 χ^2 /NDF: 10.6/20

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

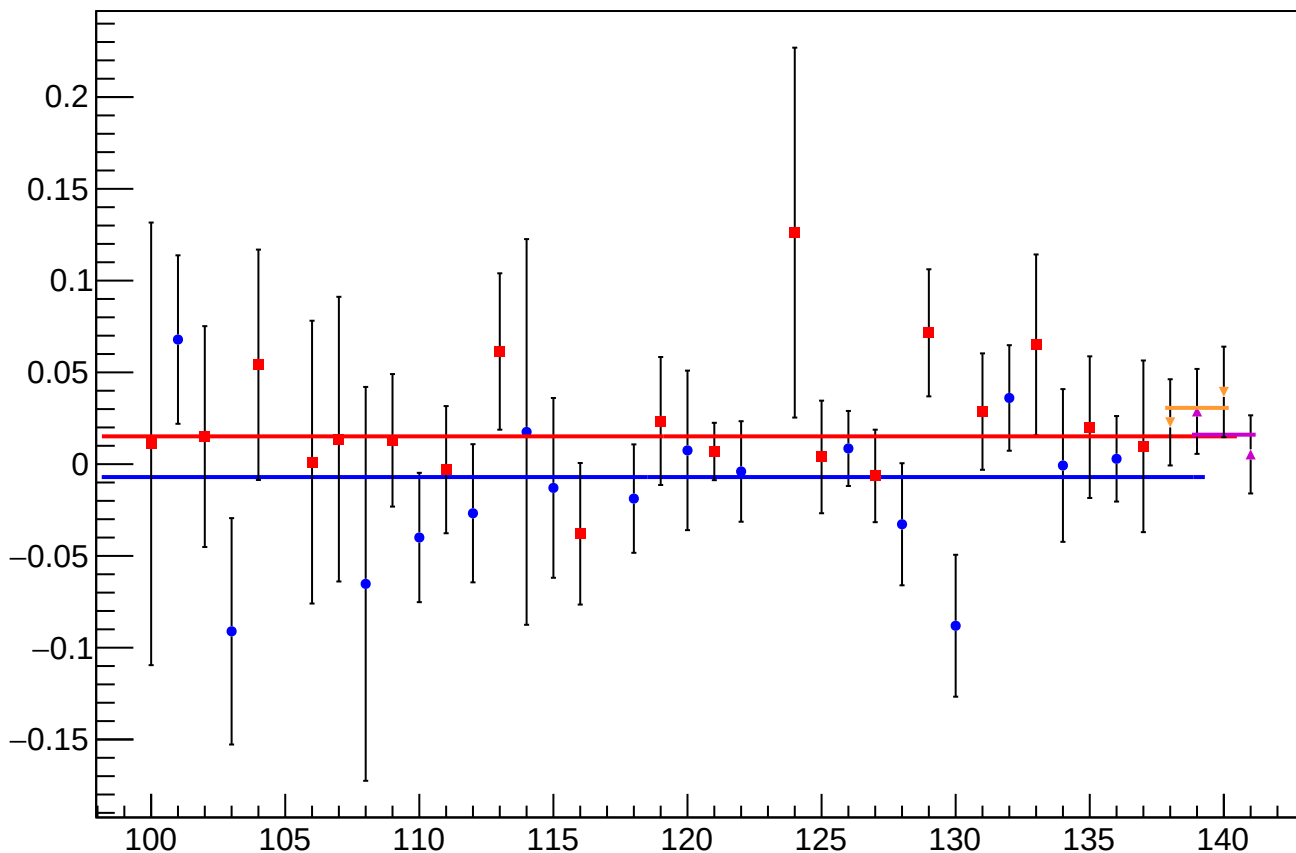
Left In: 20.417 $\pm$ 0.011 χ^2 /NDF: 3510.5/1

+ sign 21.302 $\pm$ 0.005 χ^2 /NDF: 1484307.9/17

All: 20.538 $\pm$ 0.004 χ^2 /NDF: 3967195.4/38

- sign 19.853 $\pm$ 0.005 χ^2 /NDF: 2445425.2/20

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

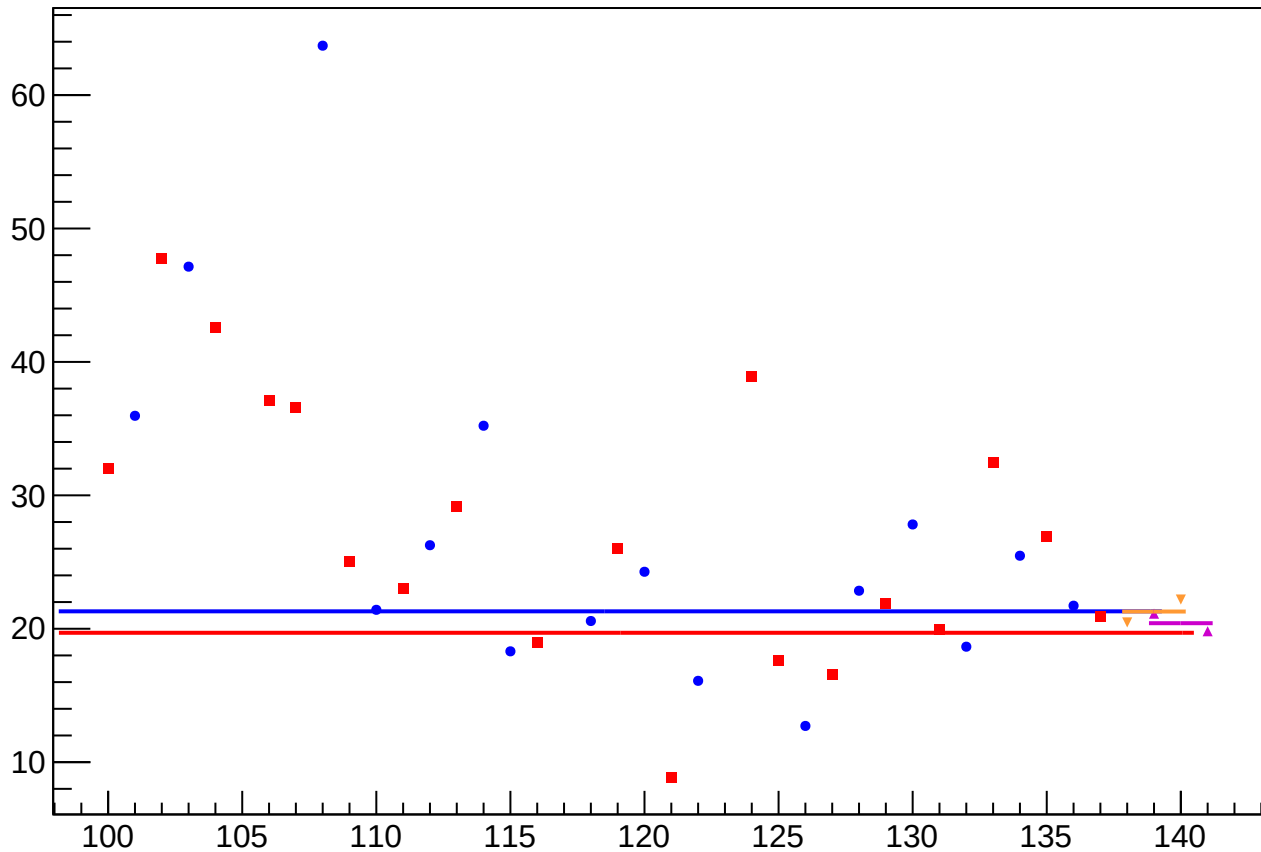
Left In: 0.016 ± 0.016 χ^2/NDF : 0.6/1

+ sign 0.001 ± 0.008 χ^2/NDF : 18.5/17

All: 0.008 ± 0.005 χ^2/NDF : 31.0/38

- sign 0.015 ± 0.007 χ^2/NDF : 10.6/20

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

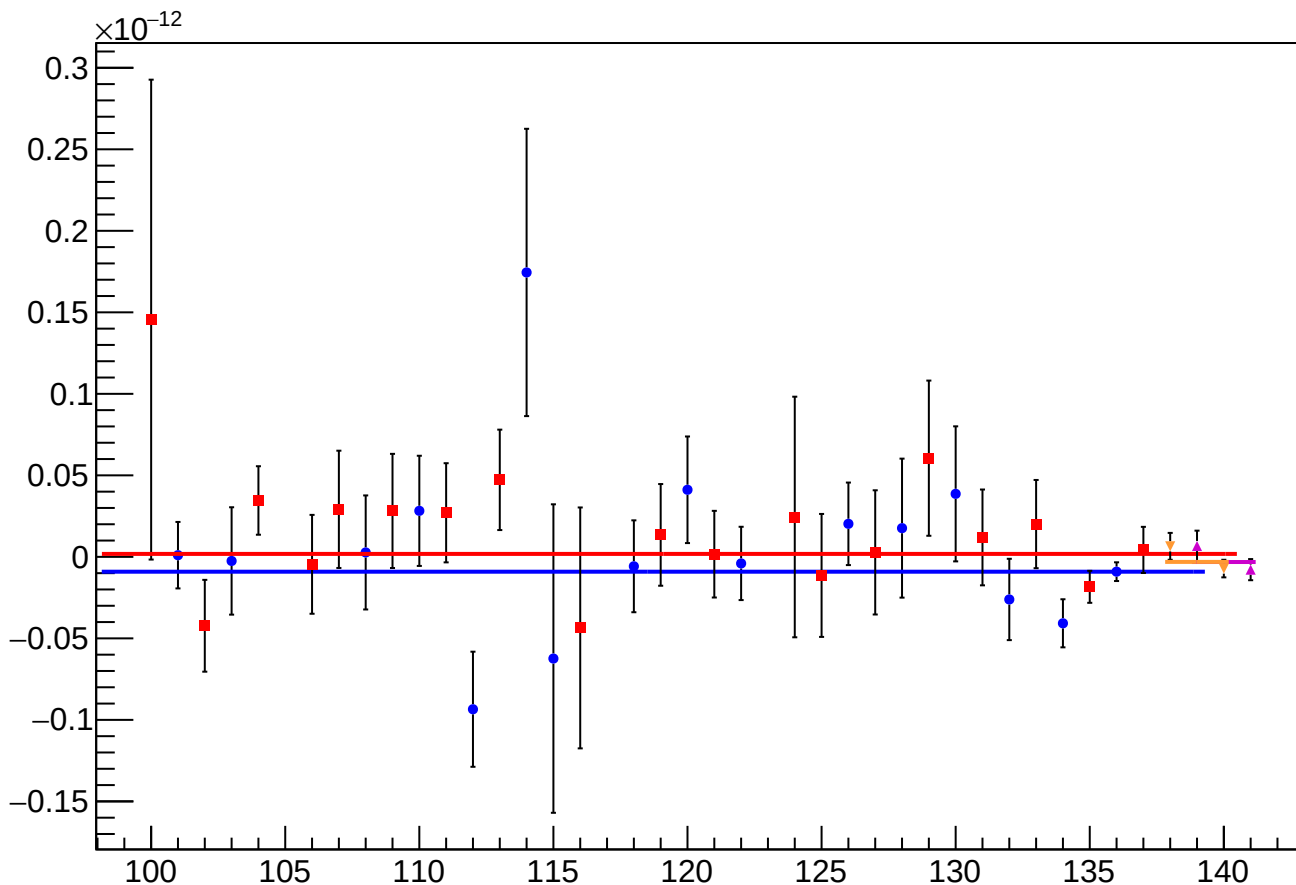
Left In: 20.417 $\pm$ 0.011 χ^2 /NDF: 3510.5/1

+ sign 21.302 $\pm$ 0.005 χ^2 /NDF: 1484307.9/17

All: 20.538 $\pm$ 0.004 χ^2 /NDF: 3967195.4/38

- sign 19.853 $\pm$ 0.005 χ^2 /NDF: 2445425.2/20

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

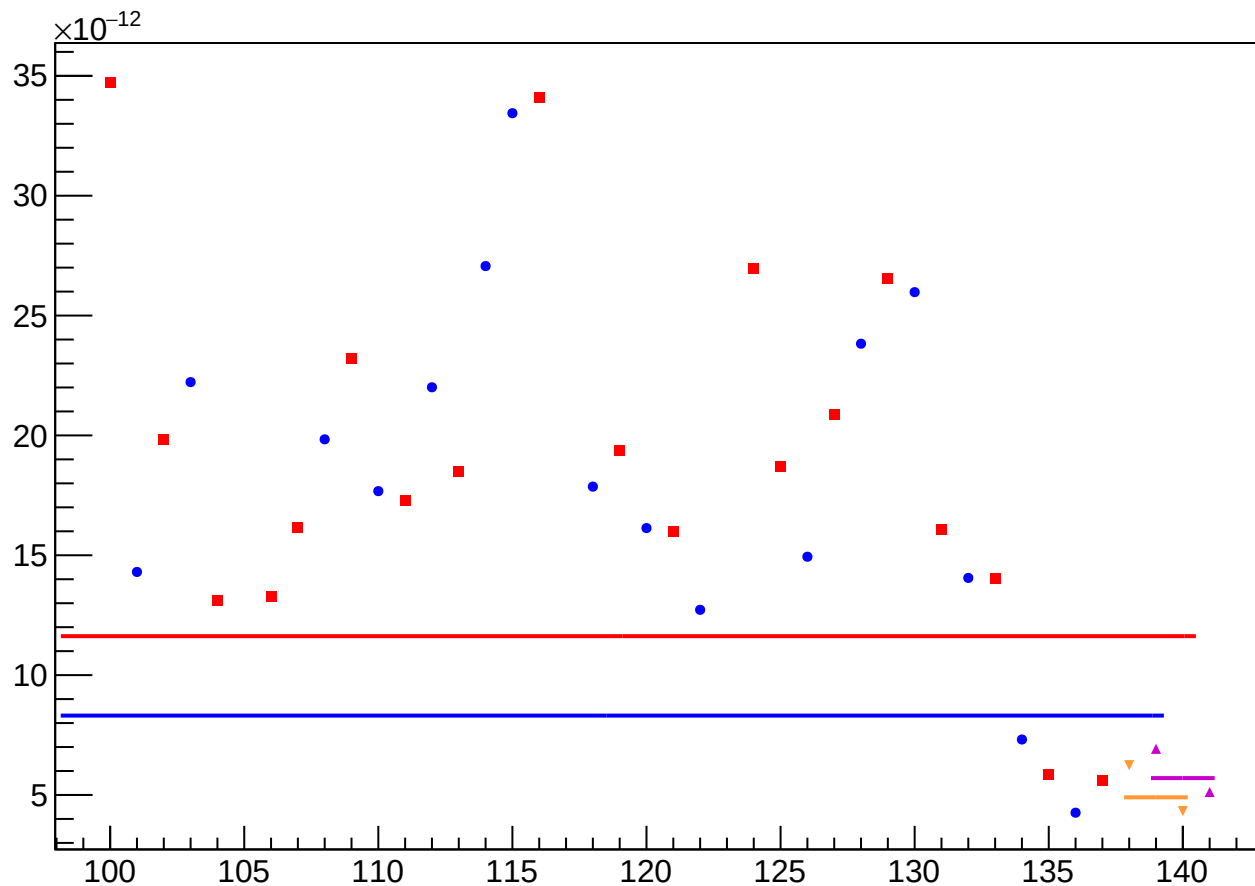
Left In: -0.000 ± 0.000 χ^2/NDF : 1.6/1

+ sign -0.000 ± 0.000 χ^2/NDF : 25.4/17

All: -0.000 ± 0.000 χ^2/NDF : 45.5/38

- sign -0.000 ± 0.000 χ^2/NDF : 19.0/20

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3731754.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 75700.8/1

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2610908.4/18

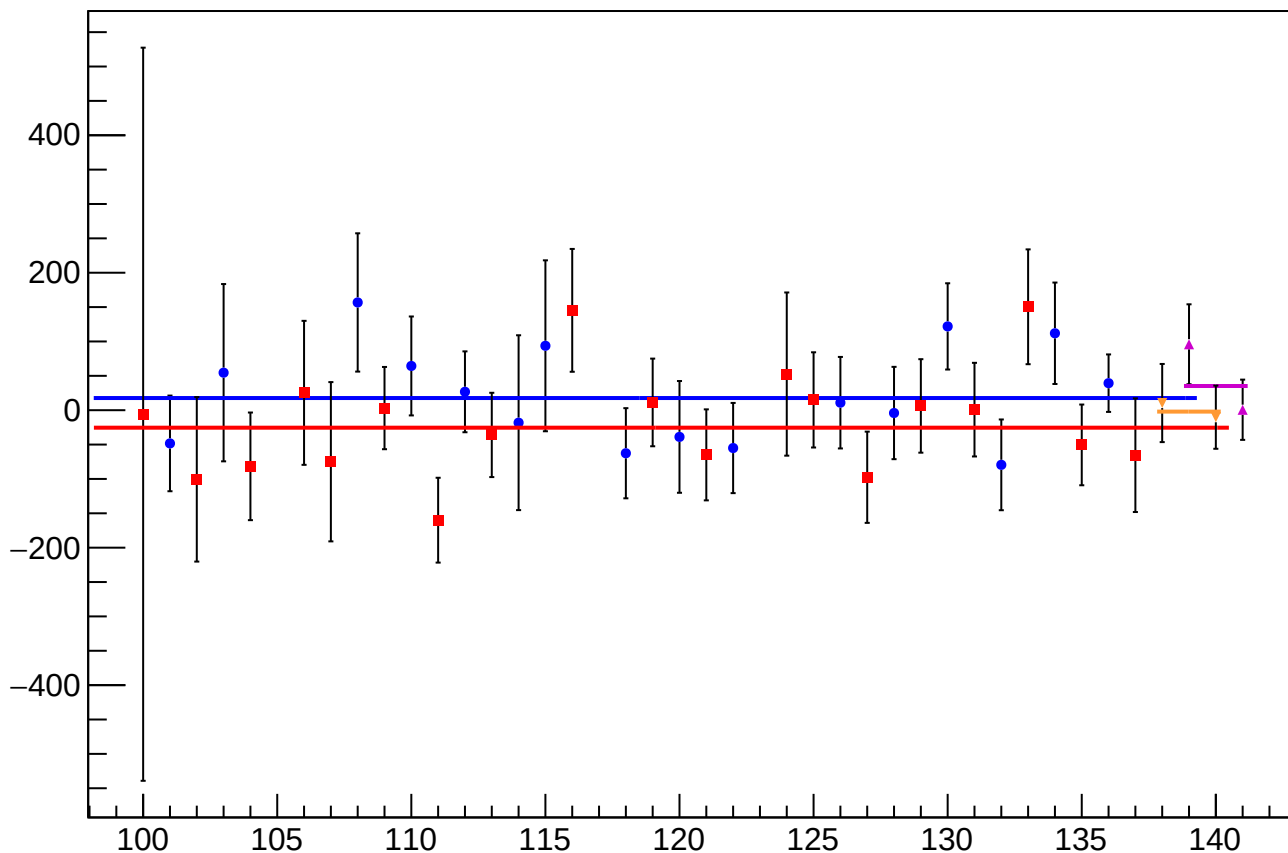
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 49774.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4380508.0/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8469416.3/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3813921.0/20

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

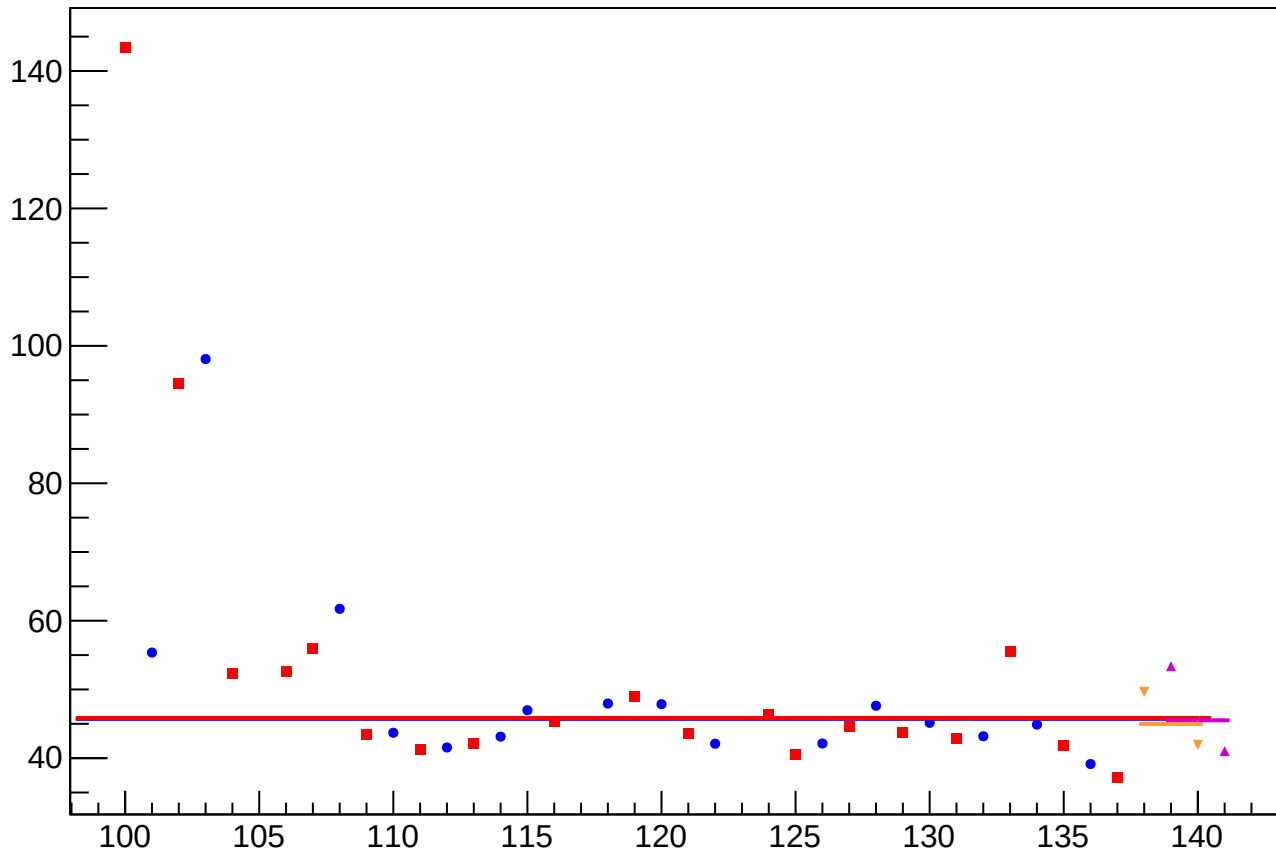
Left In: 35.200 $\pm$ 34.993 χ^2 /NDF: 1.7/1

+ sign 13.892 $\pm$ 15.695 χ^2 /NDF: 14.3/17

All: 0.061 $\pm$ 11.041 χ^2 /NDF: 37.8/38

- sign -13.489 $\pm$ 15.535 χ^2 /NDF: 22.0/20

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

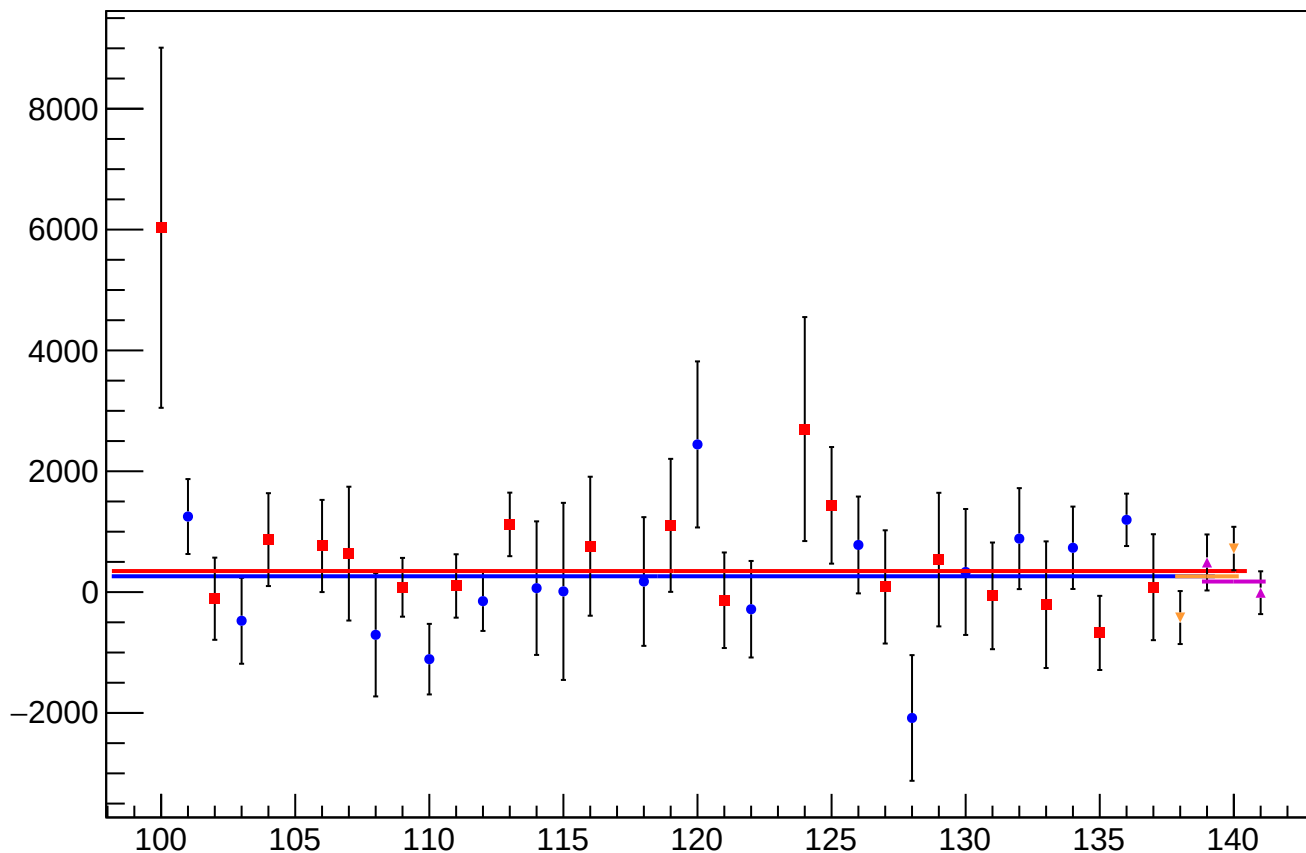
Left In: 45.508 $\pm$ 0.025 χ^2 /NDF: 57630.5/1

+ sign 45.583 $\pm$ 0.011 χ^2 /NDF: 524480.1/17

All: 45.684 $\pm$ 0.008 χ^2 /NDF: 1122581.8/38

- sign 45.782 $\pm$ 0.011 χ^2 /NDF: 597939.5/20

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943 $\pm$ 185.211 χ^2 /NDF: 25.0/15

Left Out: 261.327 $\pm$ 278.193 χ^2 /NDF: 4.1/1

Right Out: 348.685 $\pm$ 180.682 χ^2 /NDF: 14.9/18

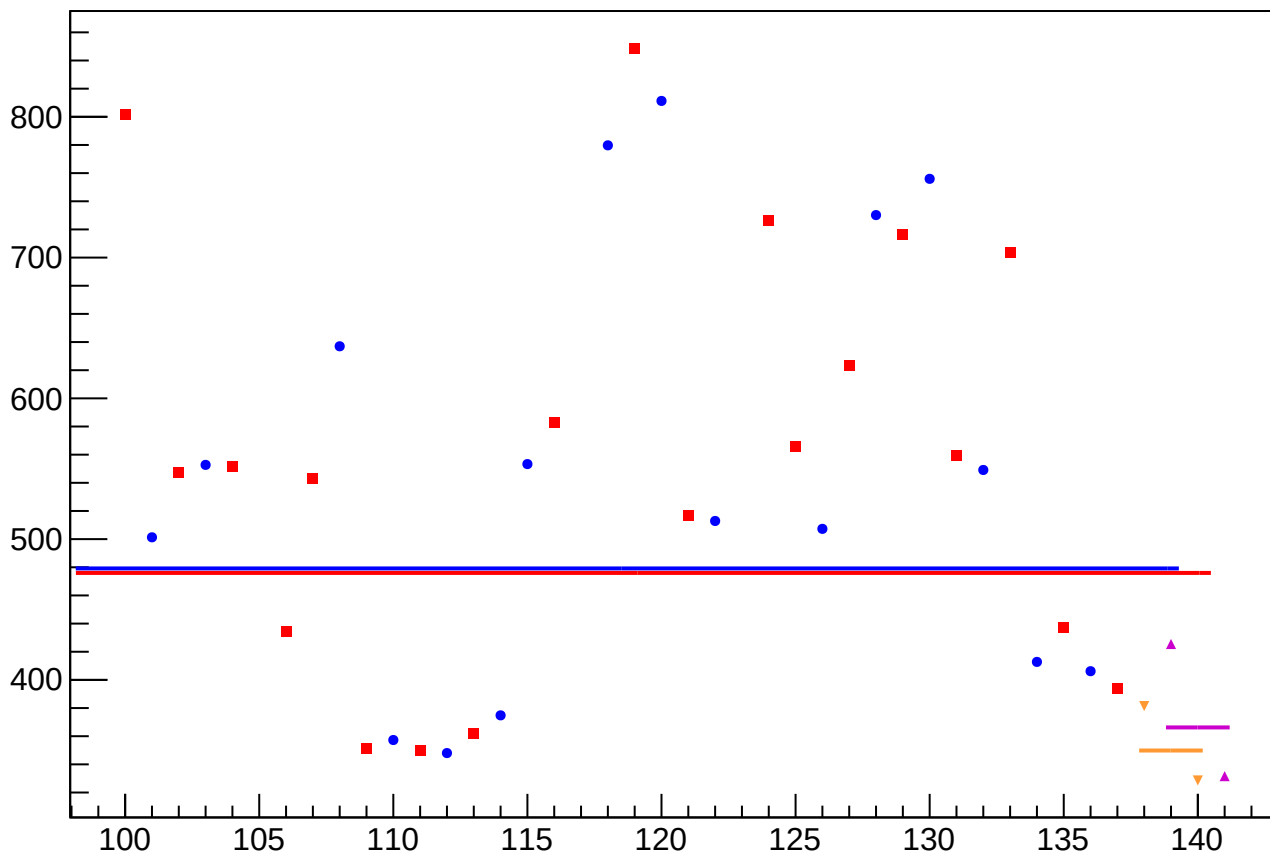
Left In: 174.866 $\pm$ 281.460 χ^2 /NDF: 0.7/1

+ sign 261.754 $\pm$ 154.169 χ^2 /NDF: 29.0/17

All: 280.107 $\pm$ 108.257 χ^2 /NDF: 45.0/38

- sign 297.959 $\pm$ 152.049 χ^2 /NDF: 15.9/20

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF : 952693.7/15

Left Out: 349.840+/-0.197 χ^2/NDF : 17346.5/1

Right Out: 475.992+/-0.128 χ^2/NDF : 1006487.7/18

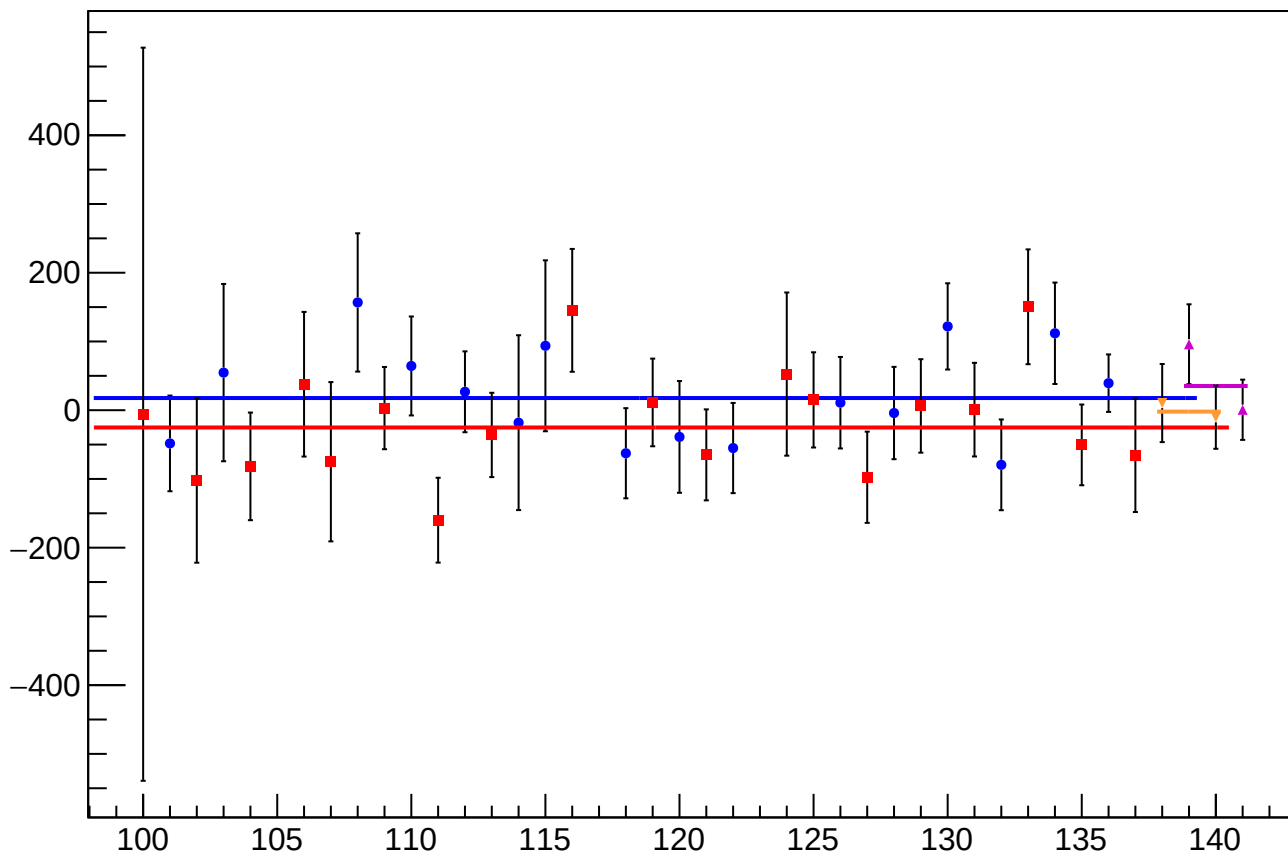
Left In: 366.239+/-0.199 χ^2/NDF : 51790.7/1

+ sign 439.456+/-0.109 χ^2/NDF : 1269575.3/17

All: 441.740+/-0.077 χ^2/NDF : 2544080.7/38

- sign 443.962+/-0.108 χ^2/NDF : 1273639.2/20

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

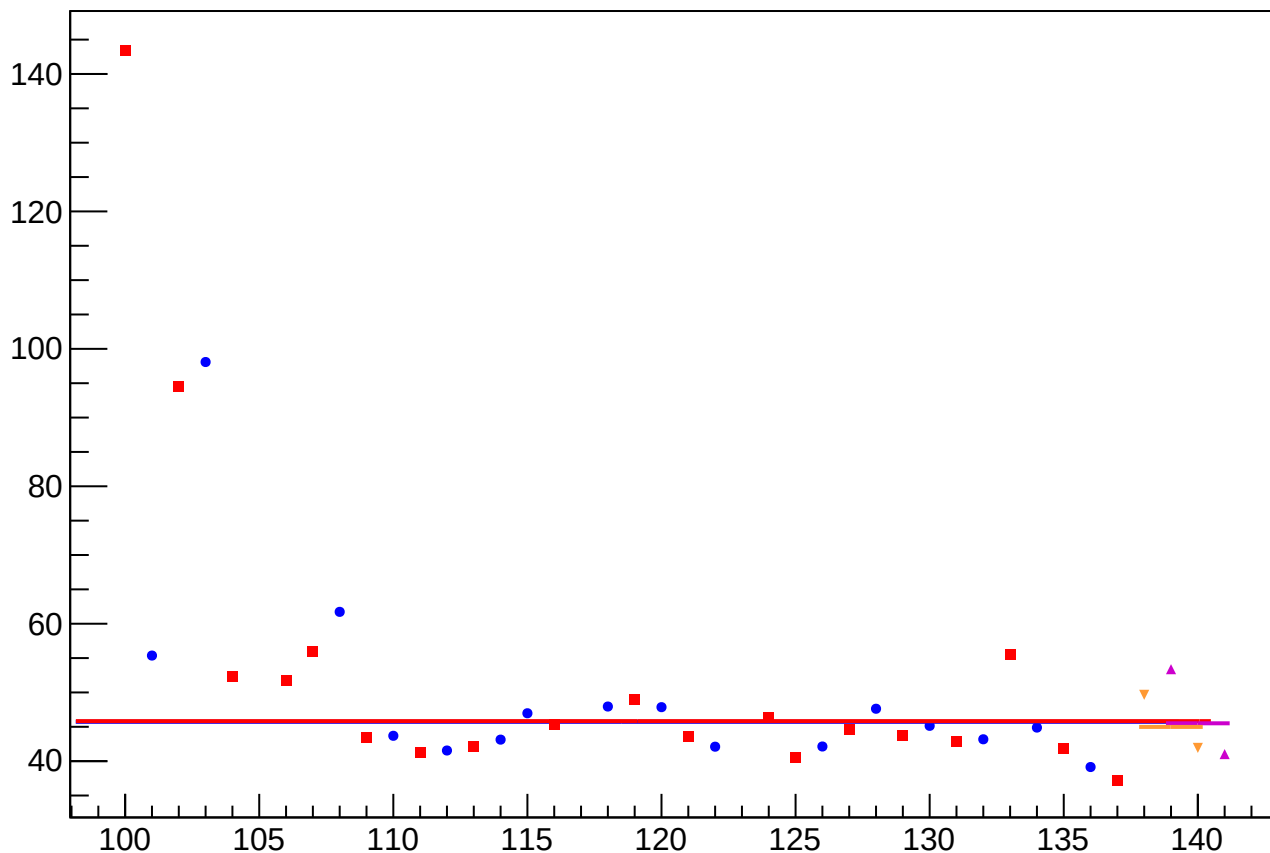
Left In: 35.196 $\pm$ 34.993 χ^2 /NDF: 1.7/1

+ sign 13.896 $\pm$ 15.695 χ^2 /NDF: 14.3/17

All: 0.185 $\pm$ 11.041 χ^2 /NDF: 37.9/38

- sign -13.250 $\pm$ 15.536 χ^2 /NDF: 22.1/20

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

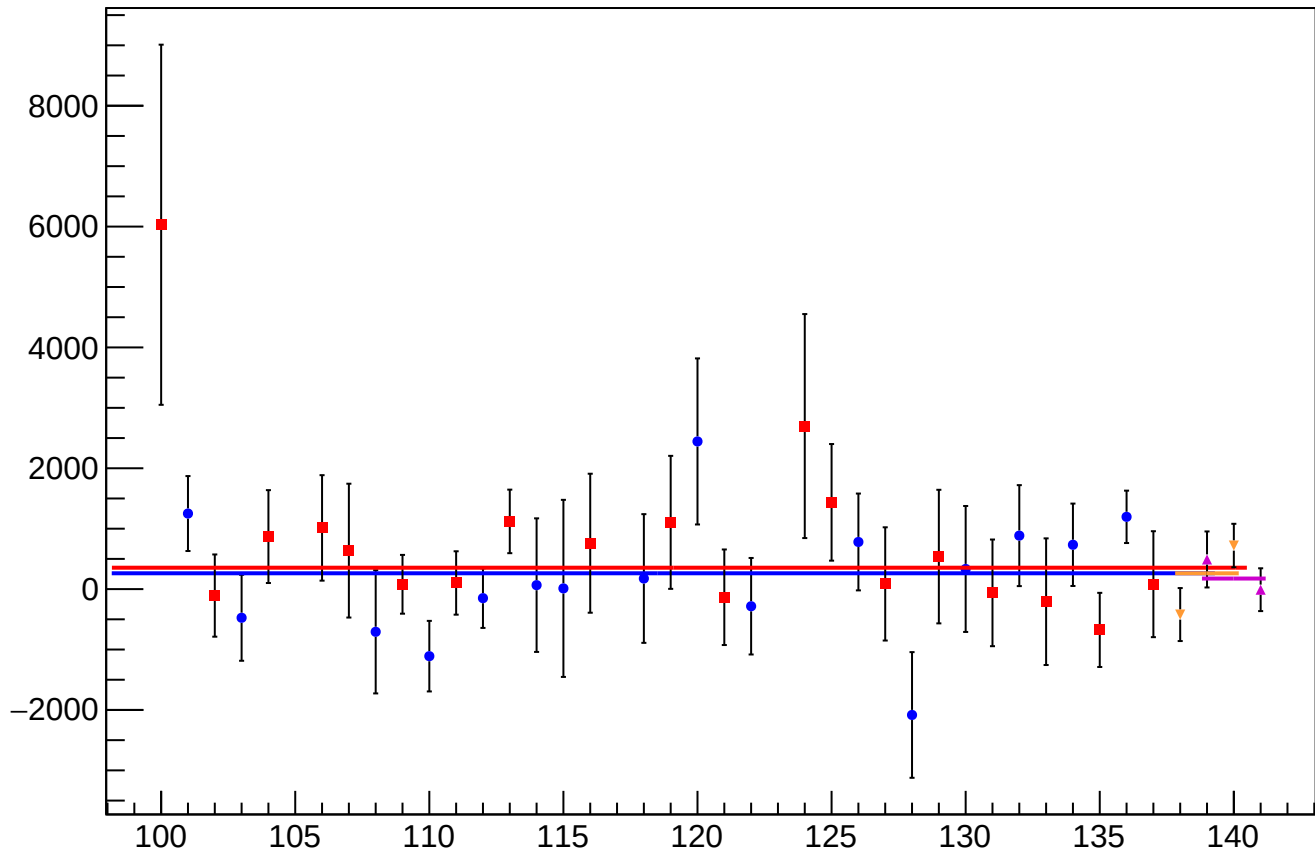
Left In: 45.508 $\pm$ 0.025 χ^2 /NDF: 57630.5/1

+ sign 45.583 $\pm$ 0.011 χ^2 /NDF: 524483.1/17

All: 45.674 $\pm$ 0.008 χ^2 /NDF: 1120848.3/38

- sign 45.763 $\pm$ 0.011 χ^2 /NDF: 596232.8/20

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

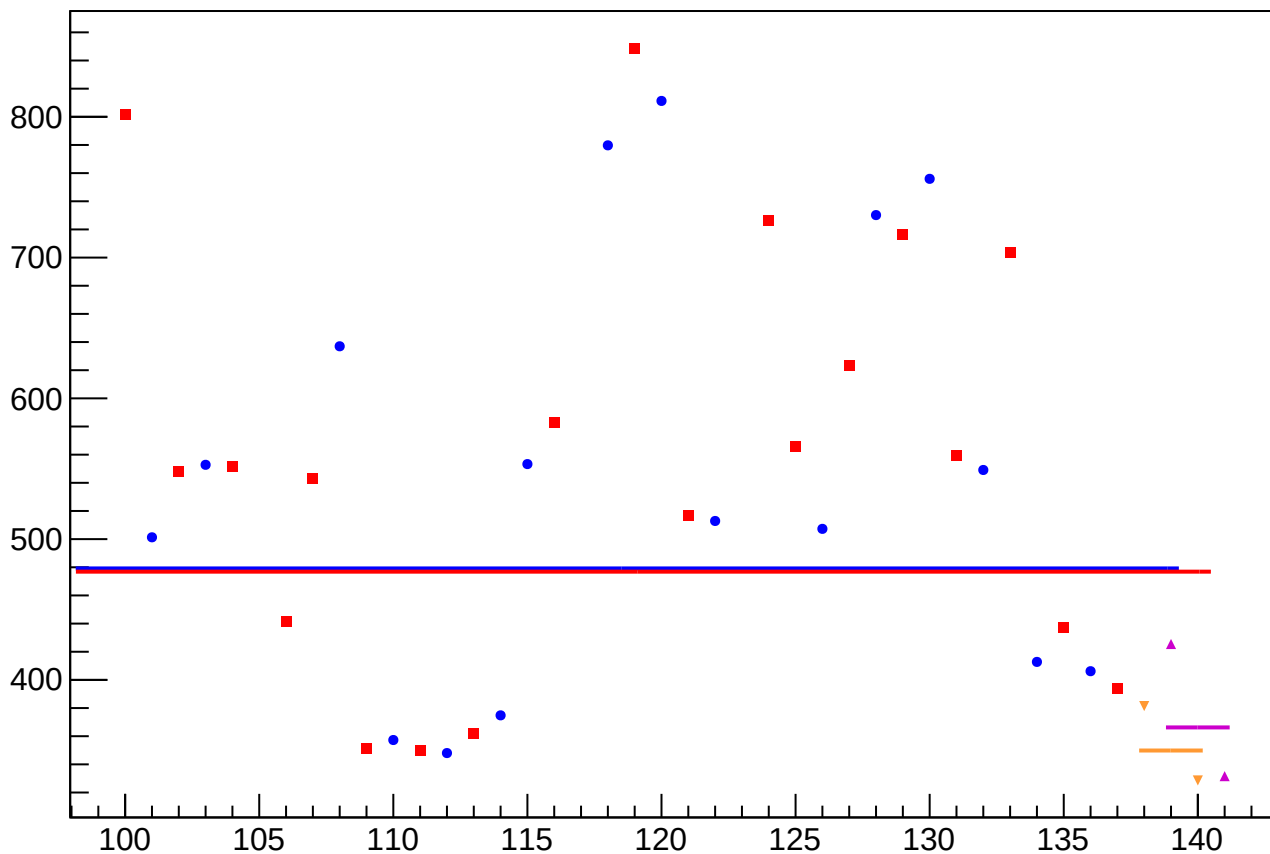
Left In: 174.864 $\pm$ 281.461 χ^2 /NDF:0.7/1

+ sign 261.756 $\pm$ 154.170 χ^2 /NDF: 29.0/17

All: 281.742 $\pm$ 108.518 χ^2 /NDF: 45.3/38

- sign 301.367 $\pm$ 152.774 χ^2 /NDF: 16.2/20

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

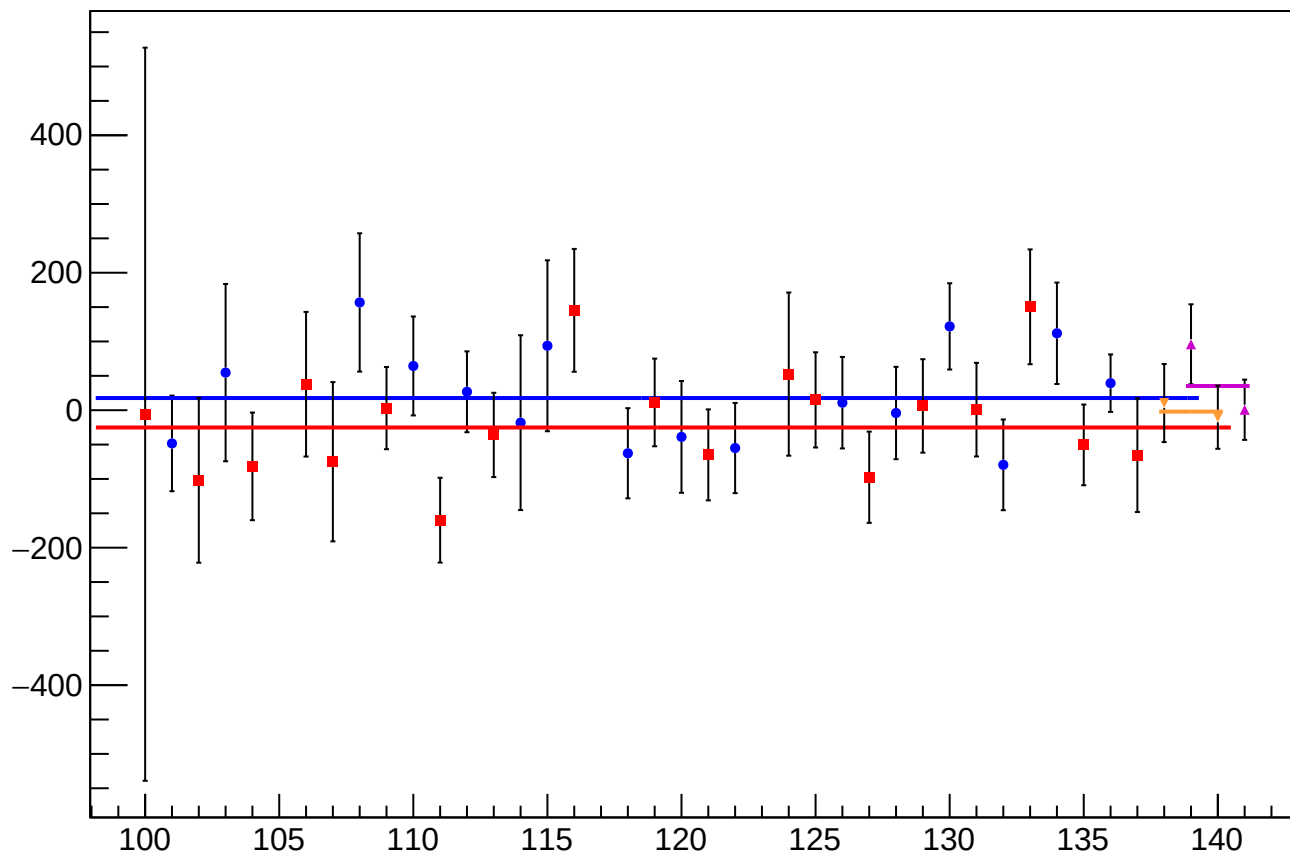
Left In: 366.239 $\pm$ 0.199 χ^2 /NDF:51789.7/1

+ sign 439.457 $\pm$ 0.109 χ^2 /NDF: 1269614.9/17

All: 441.897 $\pm$ 0.077 χ^2 /NDF: 2544209.6/38

- sign 444.292 $\pm$ 0.108 χ^2 /NDF: 1273602.3/20

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

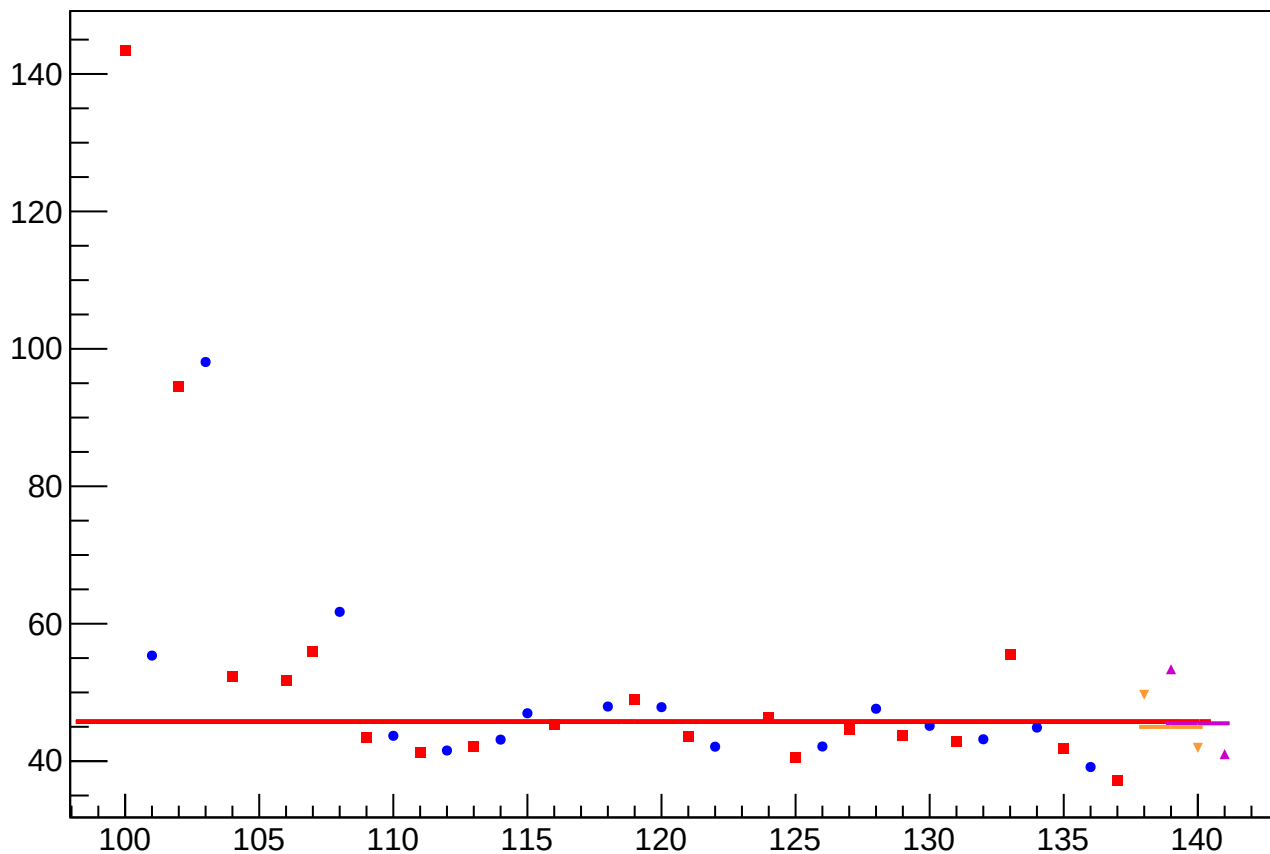
Left In: 35.196 $\pm$ 34.993 χ^2 /NDF: 1.7/1

+ sign 13.896 $\pm$ 15.695 χ^2 /NDF: 14.3/17

All: 0.185 $\pm$ 11.041 χ^2 /NDF: 37.9/38

- sign -13.250 $\pm$ 15.536 χ^2 /NDF: 22.1/20

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

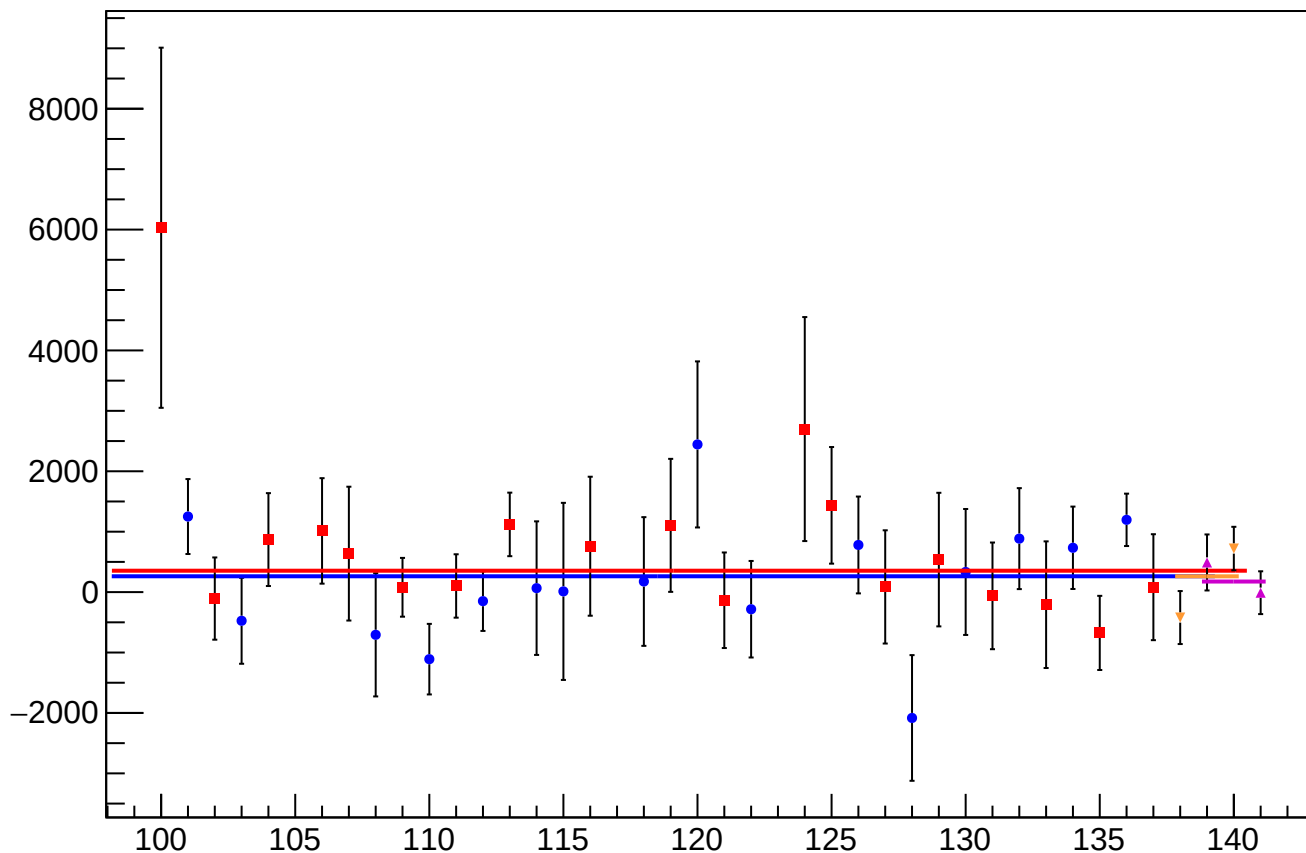
Left In: 45.508 $\pm$ 0.025 χ^2 /NDF: 57630.5/1

+ sign 45.583 $\pm$ 0.011 χ^2 /NDF: 524483.1/17

All: 45.674 $\pm$ 0.008 χ^2 /NDF: 1120848.3/38

- sign 45.763 $\pm$ 0.011 χ^2 /NDF: 596232.8/20

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

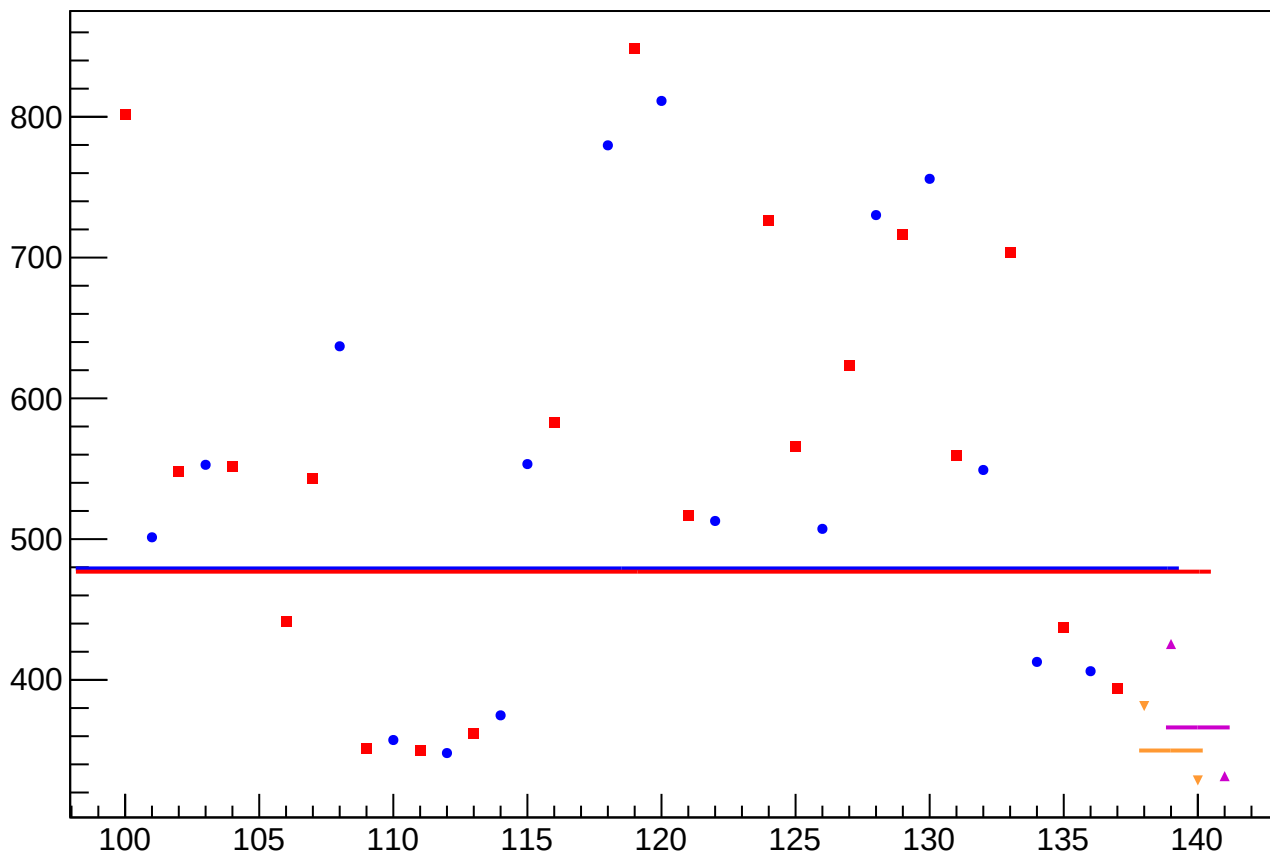
Left In: 174.864 $\pm$ 281.461 χ^2 /NDF:0.7/1

+ sign 261.756 $\pm$ 154.170 χ^2 /NDF: 29.0/17

All: 281.742 $\pm$ 108.518 χ^2 /NDF: 45.3/38

- sign 301.367 $\pm$ 152.774 χ^2 /NDF: 16.2/20

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

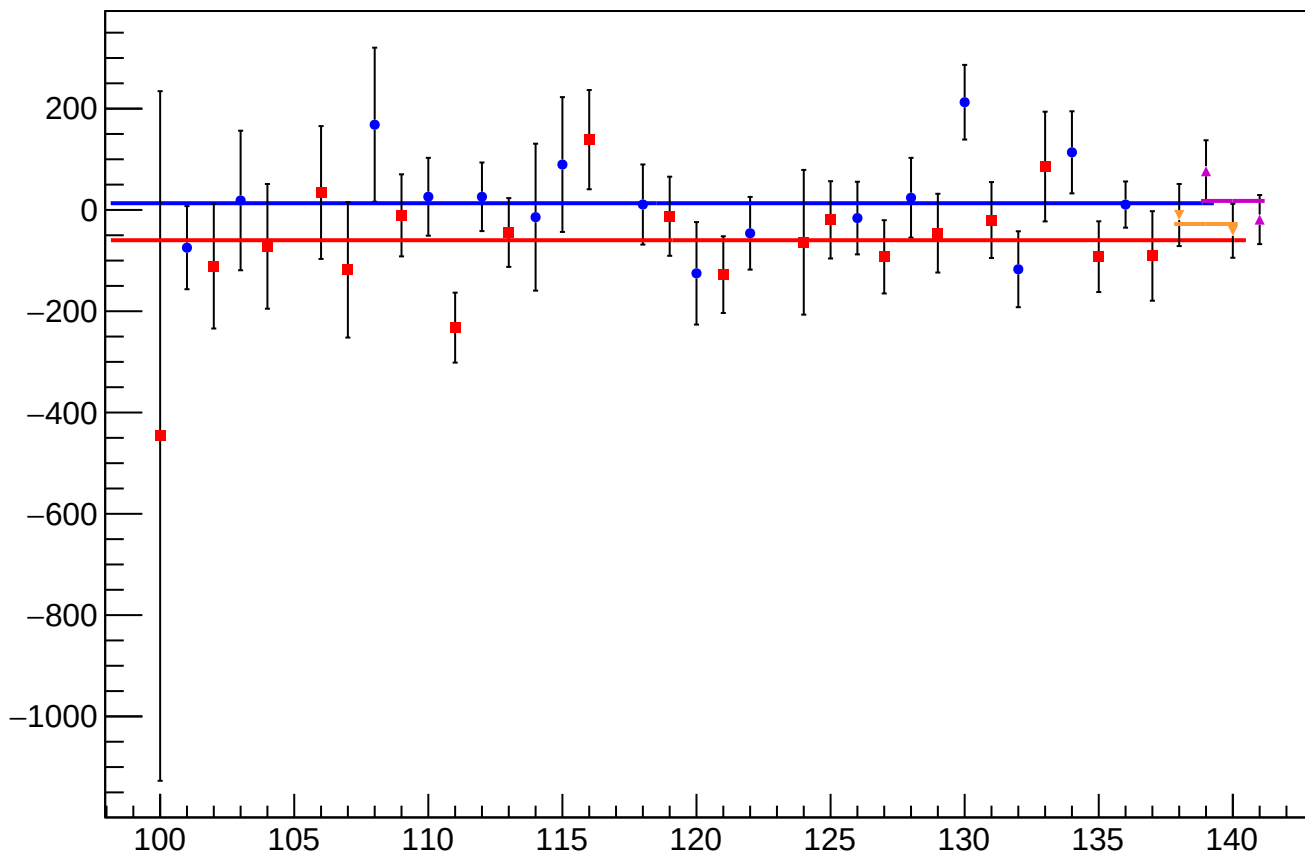
Left In: 366.239+/-0.199 χ^2/NDF :51789.7/1

+ sign 439.457+/-0.109 χ^2/NDF : 1269614.9/17

All: 441.897+/-0.077 χ^2/NDF : 2544209.6/38

- sign 444.292+/-0.108 χ^2/NDF : 1273602.3/20

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 ± 19.849 χ^2/NDF : 17.2/15

Left Out: -27.739 ± 40.235 χ^2/NDF : 0.1/1

Right Out: -59.810 ± 20.234 χ^2/NDF : 16.1/18

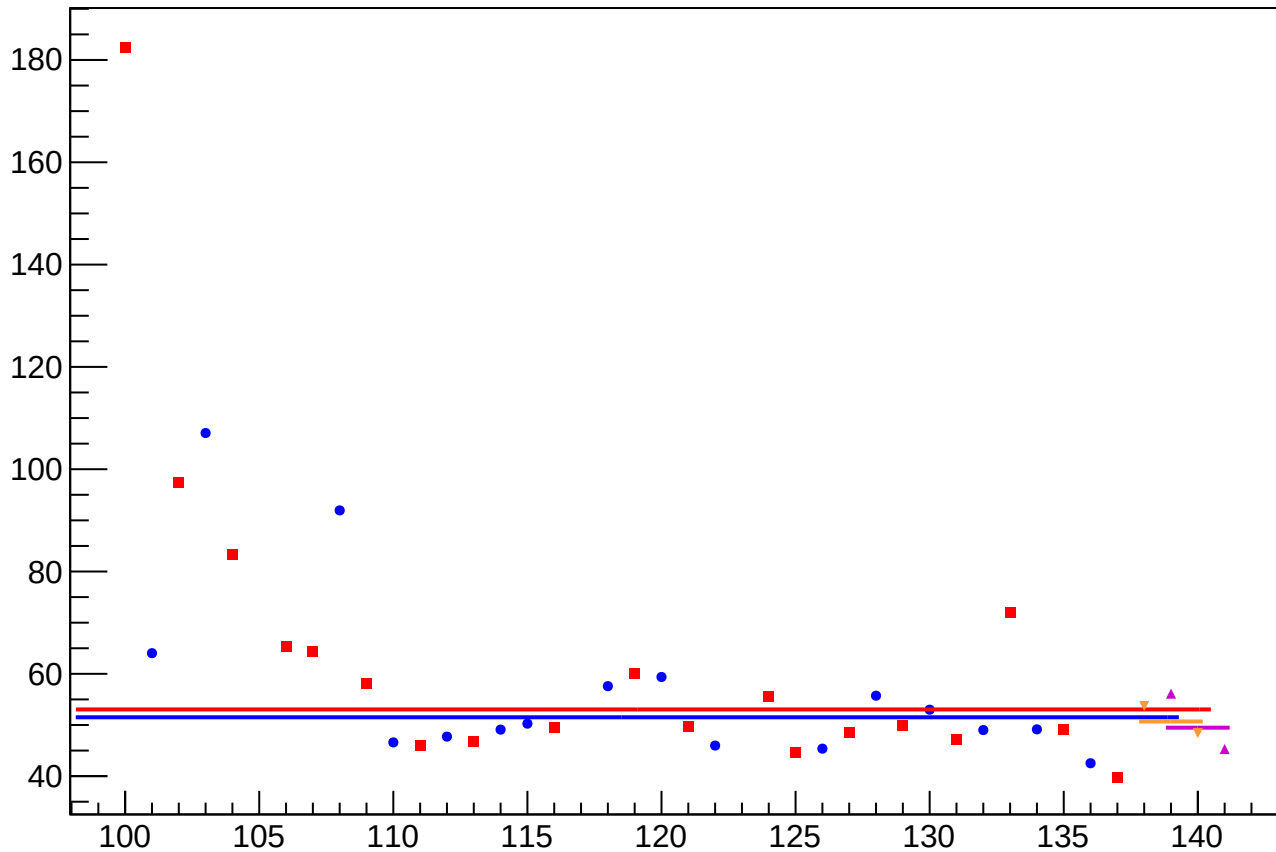
Left In: 17.818 ± 37.971 χ^2/NDF : 1.5/1

+ sign 5.240 ± 17.801 χ^2/NDF : 18.2/17

All: -18.626 ± 12.607 χ^2/NDF : 42.7/38

- sign -42.642 ± 17.857 χ^2/NDF : 20.9/20

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

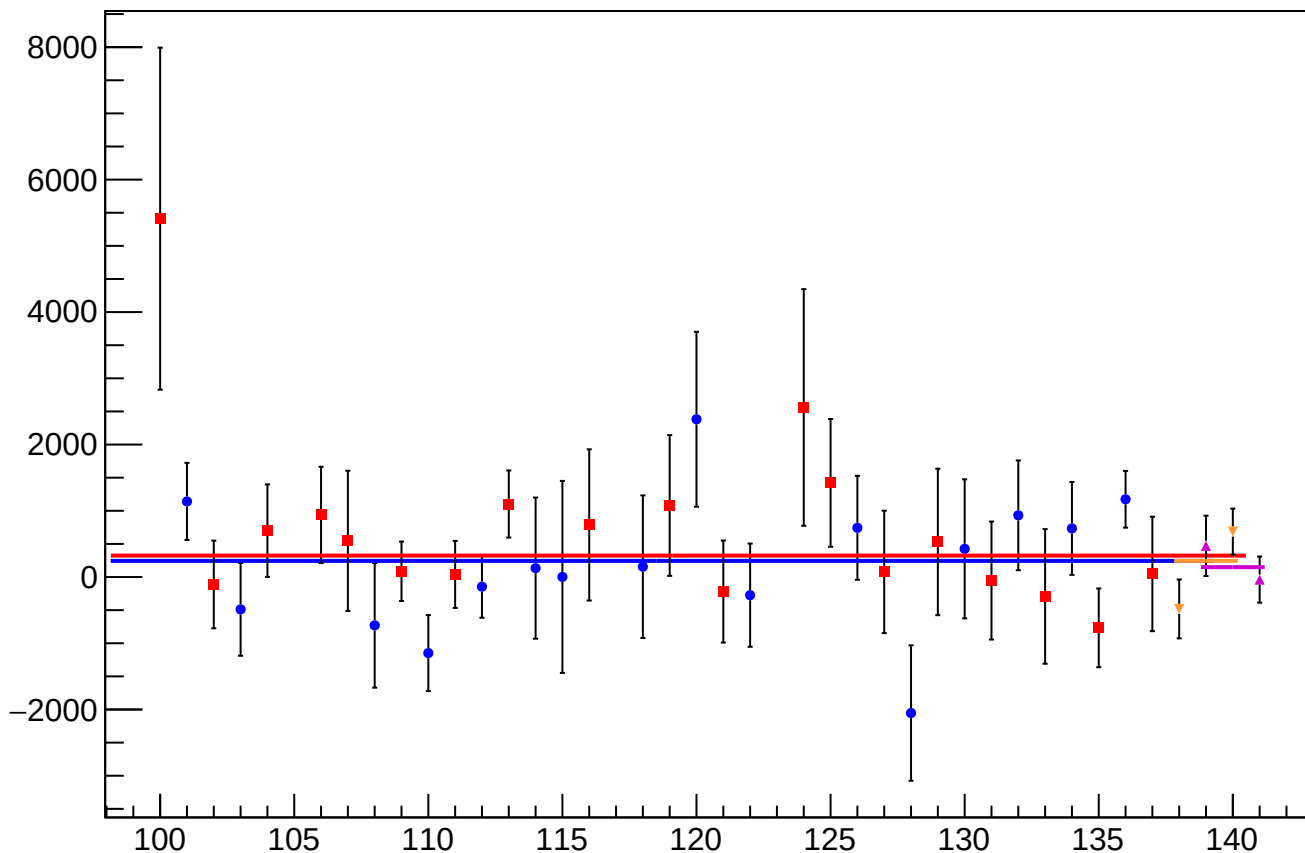
Left In: 49.476 $\pm$ 0.027 χ^2 /NDF: 38585.6/1

+ sign 51.345 $\pm$ 0.013 χ^2 /NDF: 676253.2/17

All: 51.796 $\pm$ 0.009 χ^2 /NDF: 1444025.1/38

- sign 52.250 $\pm$ 0.013 χ^2 /NDF: 765195.9/20

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

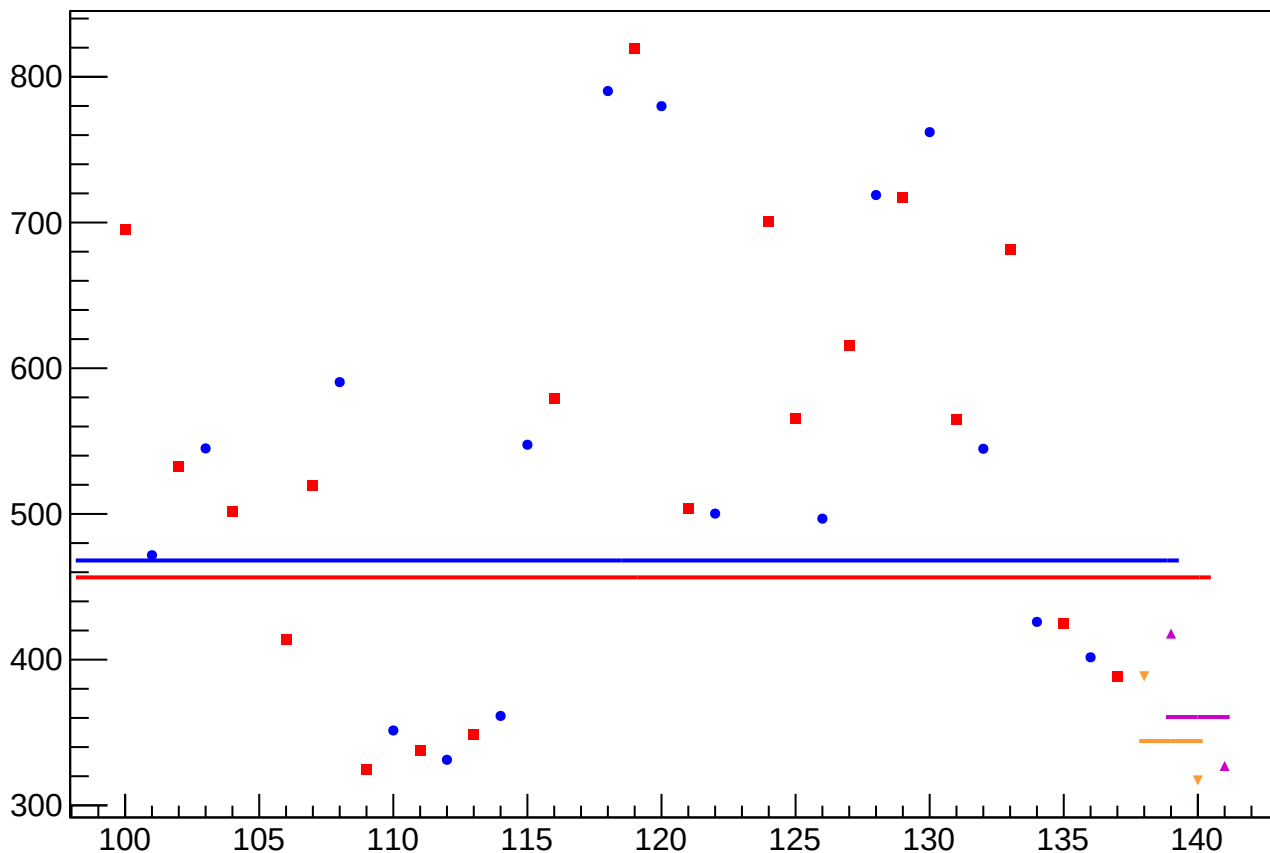
Left In: 149.228 $\pm$ 277.013 χ^2 /NDF:0.8/1

+ sign 244.047 $\pm$ 150.839 χ^2 /NDF: 29.9/17

All: 259.621 $\pm$ 105.320 χ^2 /NDF: 47.4/38

- sign 274.436 $\pm$ 147.120 χ^2 /NDF: 17.5/20

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066 $\pm$ 0.128 χ^2 /NDF: 982915.0/15

Left Out: 344.131 $\pm$ 0.193 χ^2 /NDF:32167.8/1

Right Out: 456.468 $\pm$ 0.123 χ^2 /NDF: 1082568.2/18

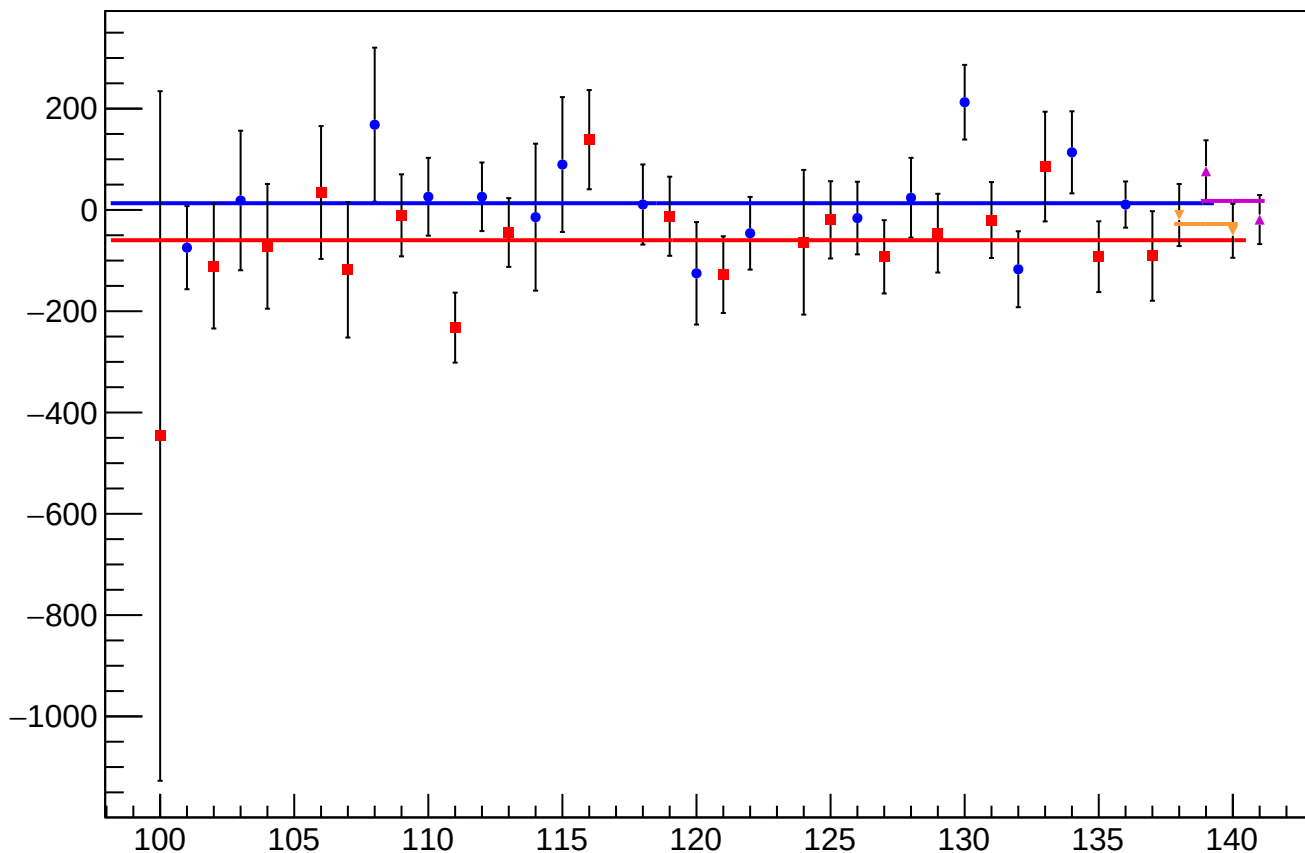
Left In: 360.616 $\pm$ 0.196 χ^2 /NDF:50123.2/1

+ sign 430.325 $\pm$ 0.107 χ^2 /NDF: 1301036.0/17

All: 429.867 $\pm$ 0.074 χ^2 /NDF: 2605682.6/38

- sign 429.432 $\pm$ 0.104 χ^2 /NDF: 1304610.7/20

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 ± 19.849 χ^2/NDF : 17.2/15

Left Out: -27.739 ± 40.235 χ^2/NDF : 0.1/1

Right Out: -59.811 ± 20.234 χ^2/NDF : 16.1/18

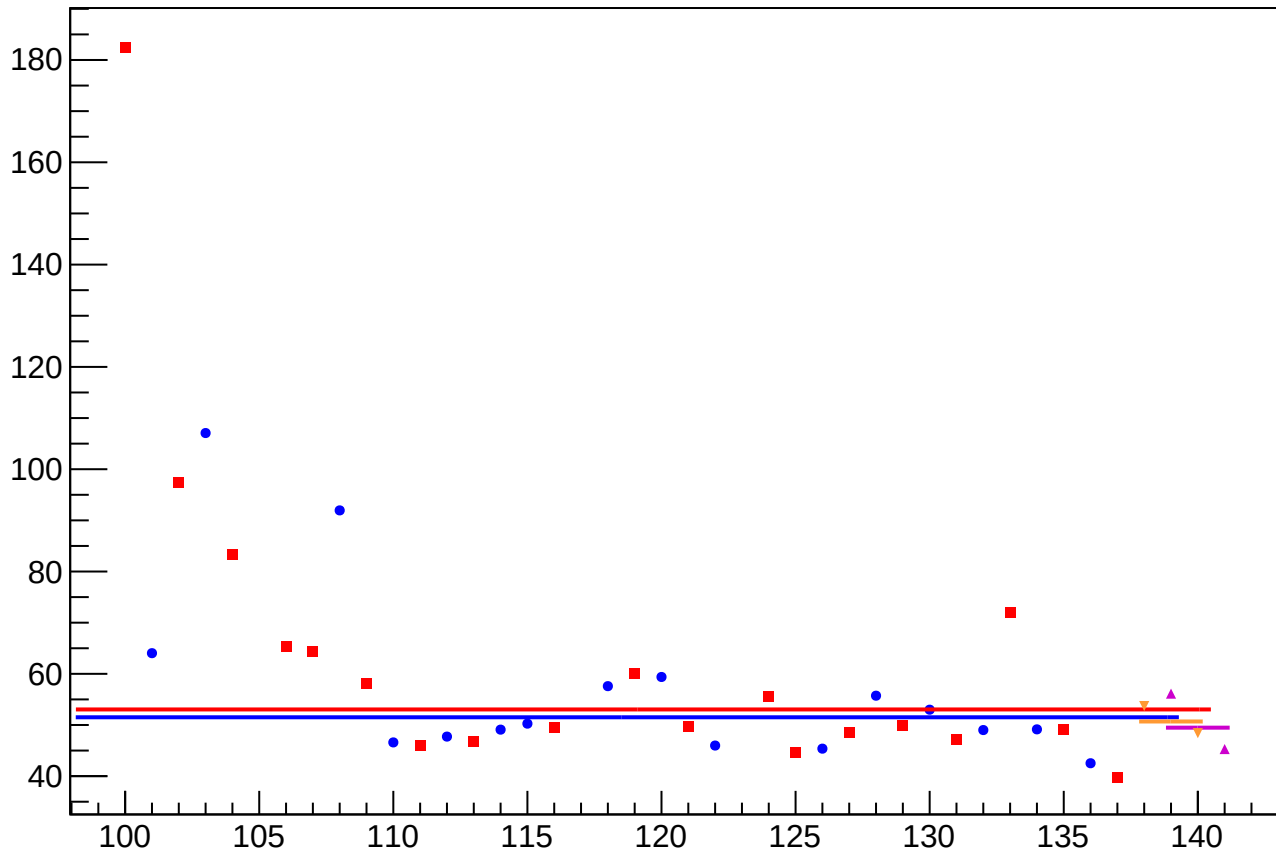
Left In: 17.819 ± 37.971 χ^2/NDF : 1.5/1

+ sign 5.240 ± 17.801 χ^2/NDF : 18.2/17

All: -18.626 ± 12.607 χ^2/NDF : 42.7/38

- sign -42.643 ± 17.857 χ^2/NDF : 20.9/20

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506 $\pm$ 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

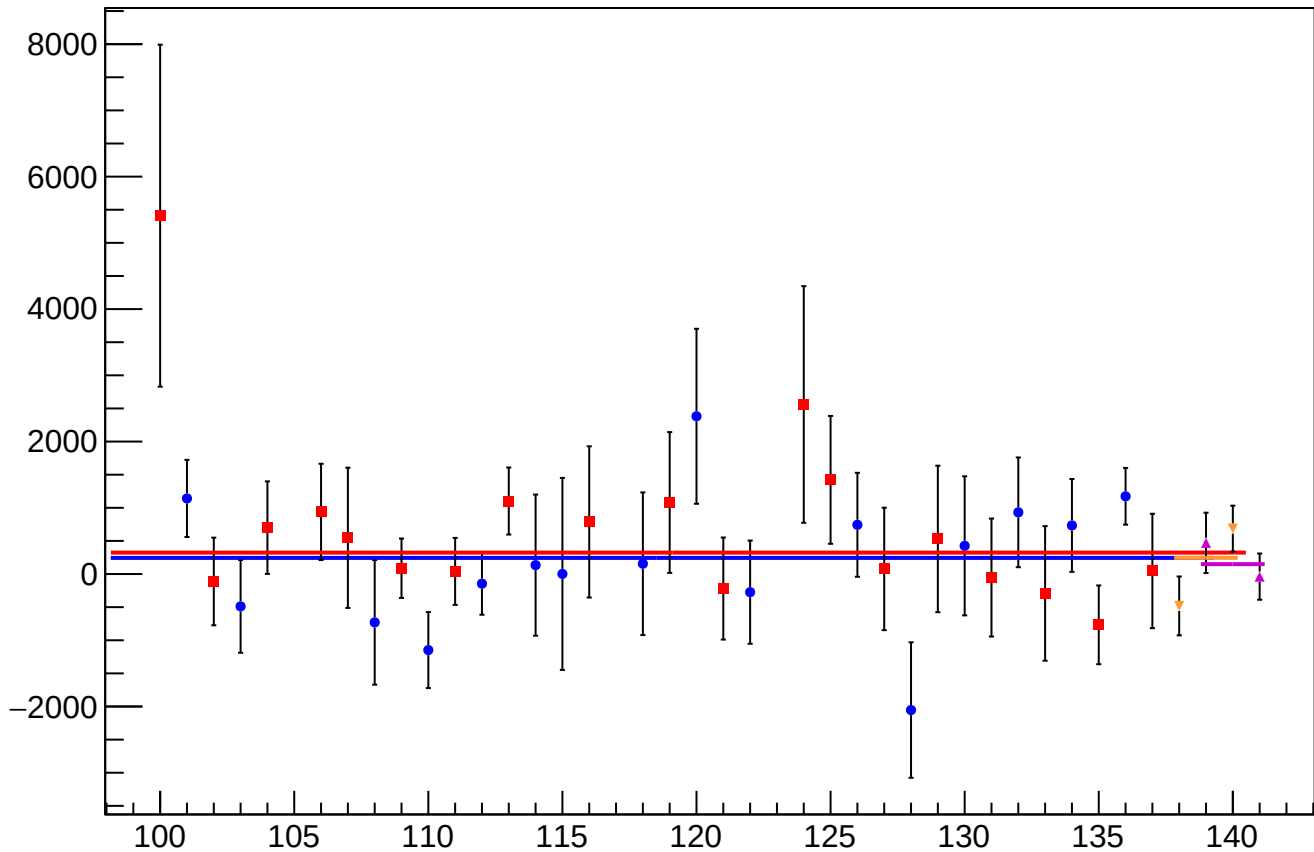
Left In: 49.476 $\pm$ 0.027 χ^2 /NDF: 38584.7/1

+ sign 51.345 $\pm$ 0.013 χ^2 /NDF: 676258.8/17

All: 51.796 $\pm$ 0.009 χ^2 /NDF: 1444039.6/38

- sign 52.250 $\pm$ 0.013 χ^2 /NDF: 765204.6/20

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

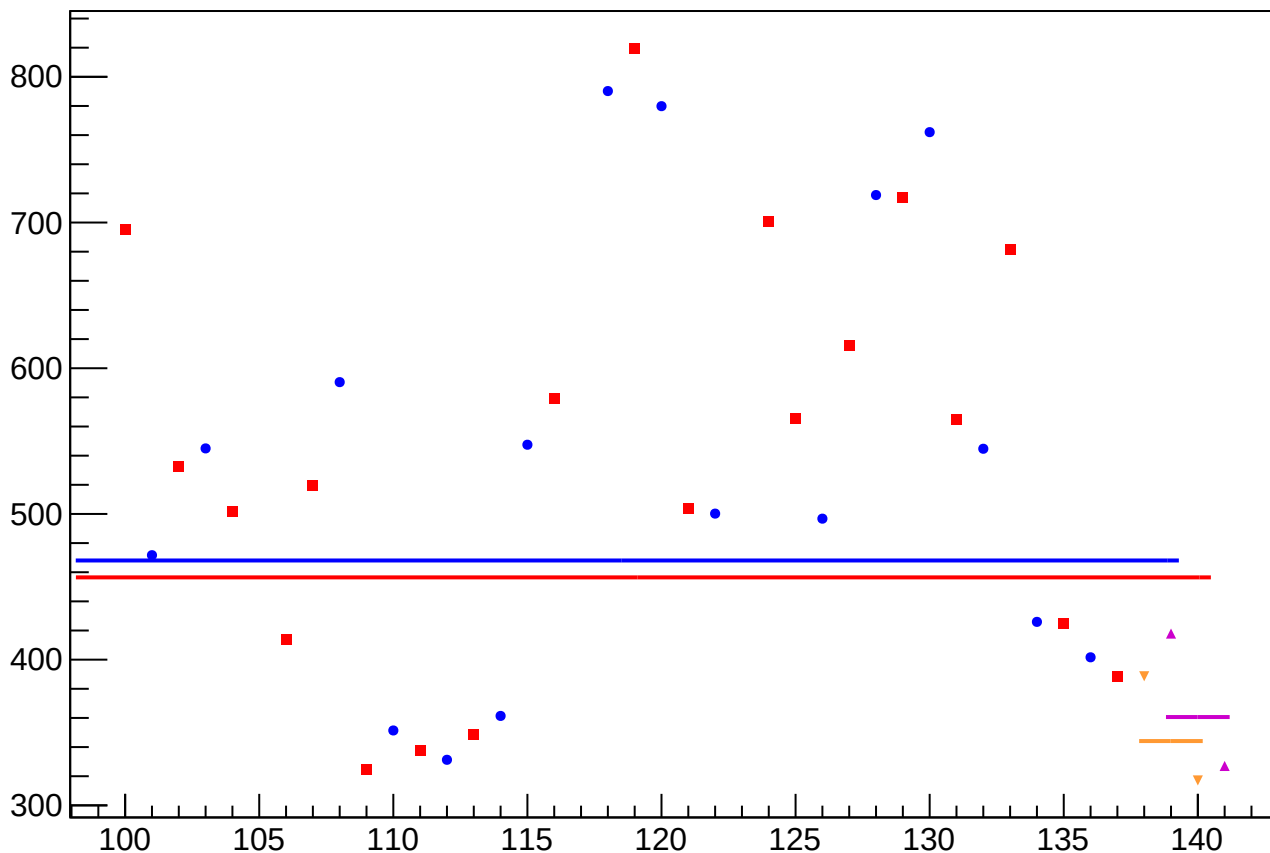
Left In: 149.228 $\pm$ 277.013 χ^2 /NDF:0.8/1

+ sign 244.047 $\pm$ 150.839 χ^2 /NDF: 29.9/17

All: 259.621 $\pm$ 105.320 χ^2 /NDF: 47.4/38

- sign 274.436 $\pm$ 147.120 χ^2 /NDF: 17.5/20

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 468.065 $\pm$ 0.128 χ^2 /NDF: 982915.8/15

Left Out: 344.131 $\pm$ 0.193 χ^2 /NDF: 32168.2/1

Right Out: 456.467 $\pm$ 0.123 χ^2 /NDF: 1082565.2/18

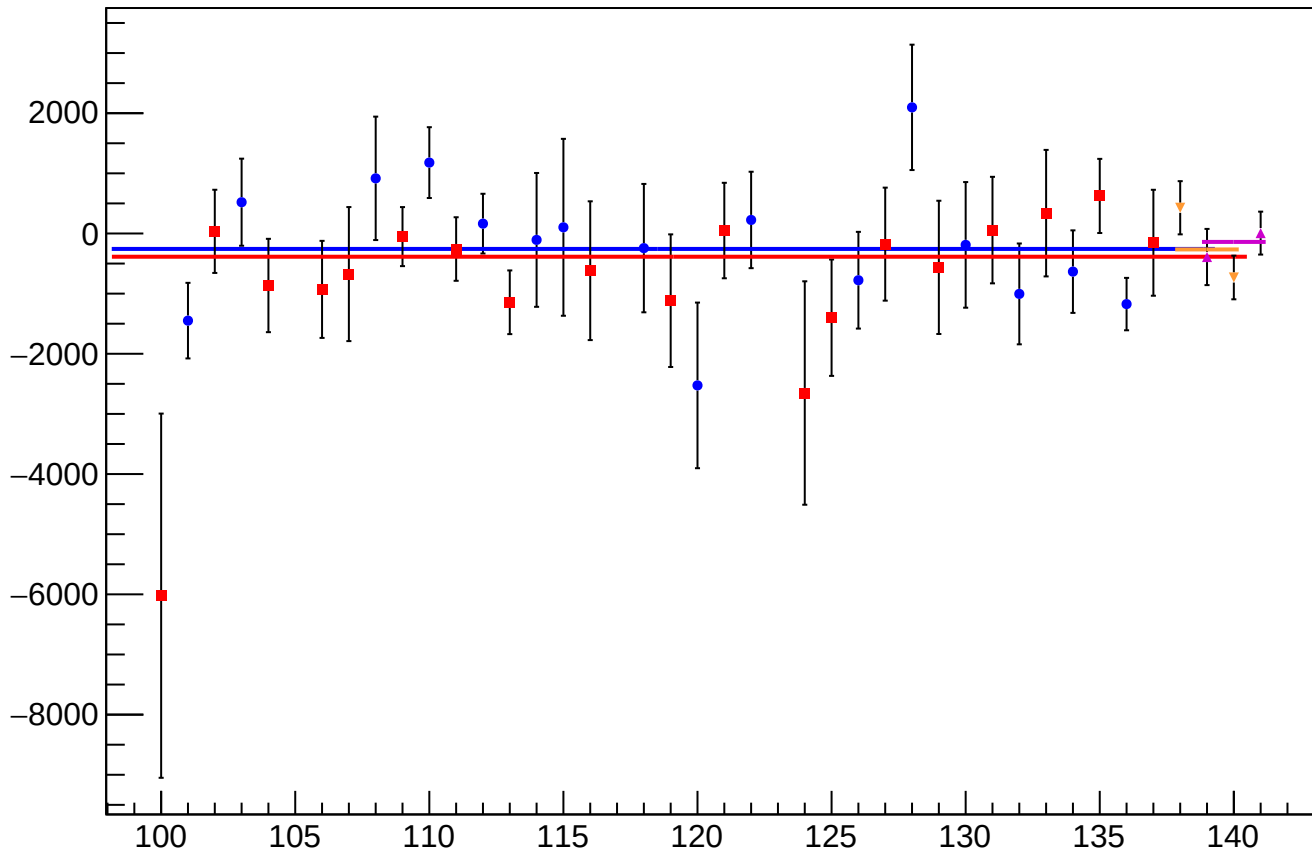
Left In: 360.616 $\pm$ 0.196 χ^2 /NDF: 50123.2/1

+ sign 430.324 $\pm$ 0.107 χ^2 /NDF: 1301030.5/17

All: 429.867 $\pm$ 0.074 χ^2 /NDF: 2605669.5/38

- sign 429.431 $\pm$ 0.104 χ^2 /NDF: 1304603.0/20

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2 /NDF: 26.9/15

Left Out: -265.210+/-280.509 χ^2 /NDF: 4.1/1

Right Out: -386.449+/-182.363 χ^2 /NDF: 14.2/18

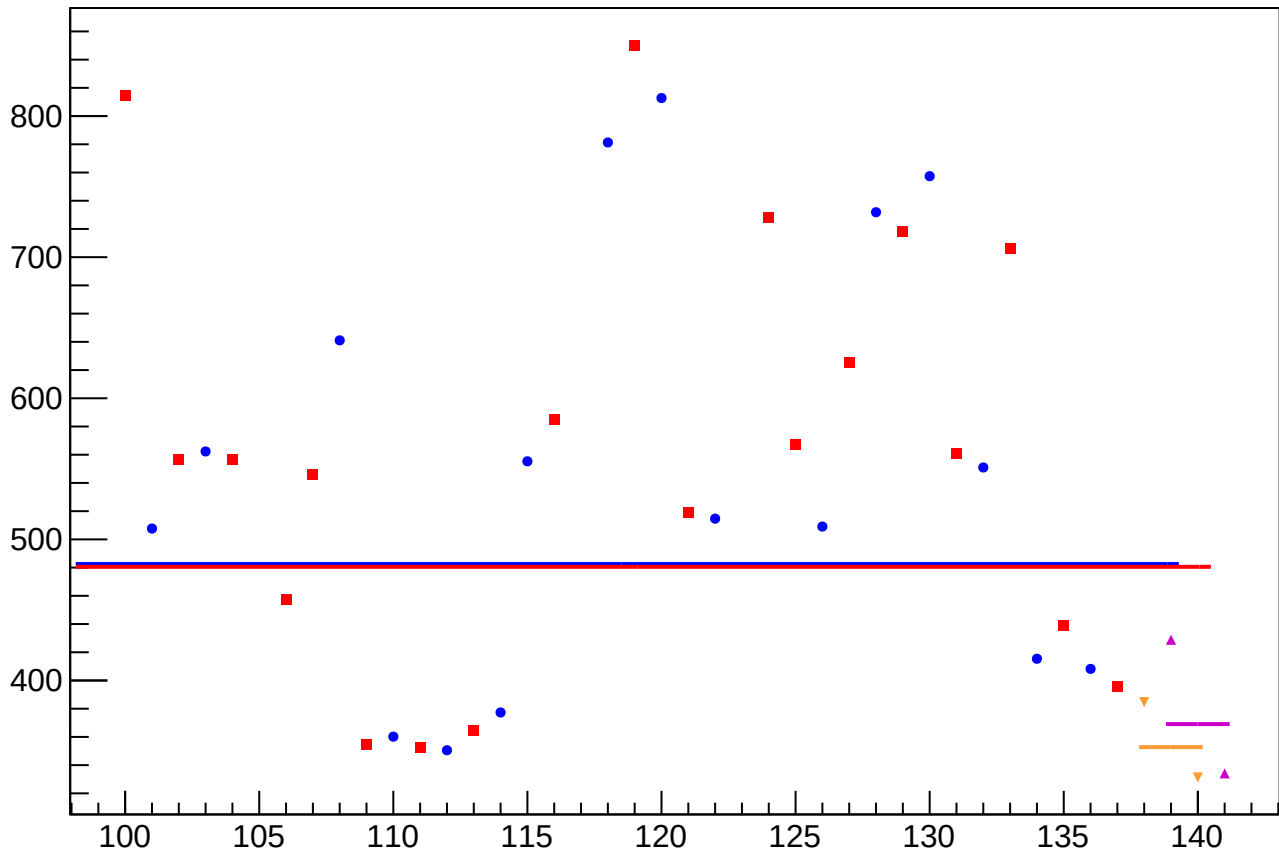
Left In: -140.289+/-283.646 χ^2 /NDF: 0.5/1

+ sign -259.341+/-155.284 χ^2 /NDF: 31.0/17

All: -287.236+/-109.129 χ^2 /NDF: 46.3/38

- sign -314.456+/-153.395 χ^2 /NDF: 15.2/20

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512 $\pm$ 0.132 χ^2 /NDF: 946526.1/15

Left Out: 352.766 $\pm$ 0.198 χ^2 /NDF:17416.1/1

Right Out: 480.559 $\pm$ 0.129 χ^2 /NDF: 993796.3/18

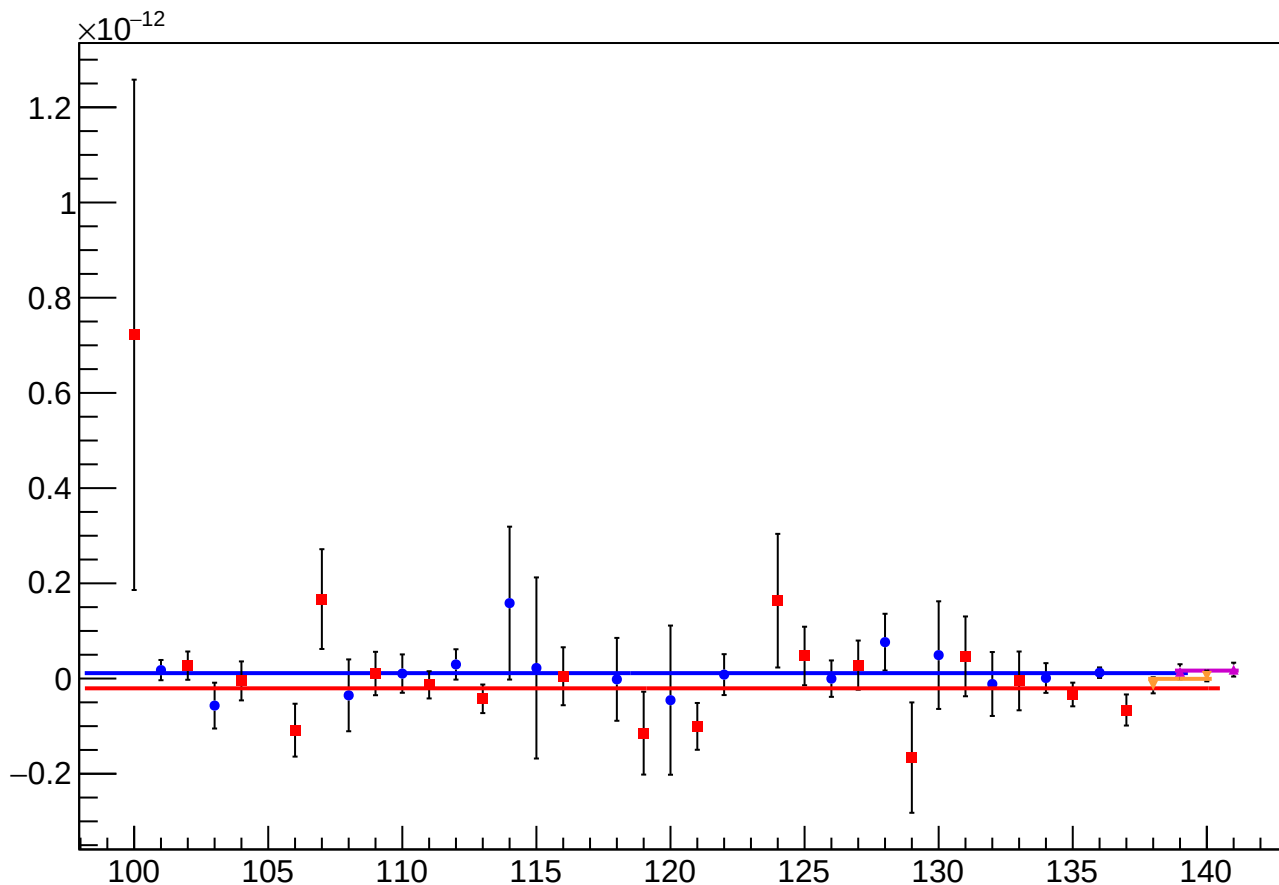
Left In: 369.086 $\pm$ 0.201 χ^2 /NDF:51888.9/1

+ sign 442.751 $\pm$ 0.110 χ^2 /NDF: 1260700.4/17

All: 445.386 $\pm$ 0.077 χ^2 /NDF: 2526079.7/38

- sign 447.958 $\pm$ 0.108 χ^2 /NDF: 1264241.4/20

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.9/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.7/18

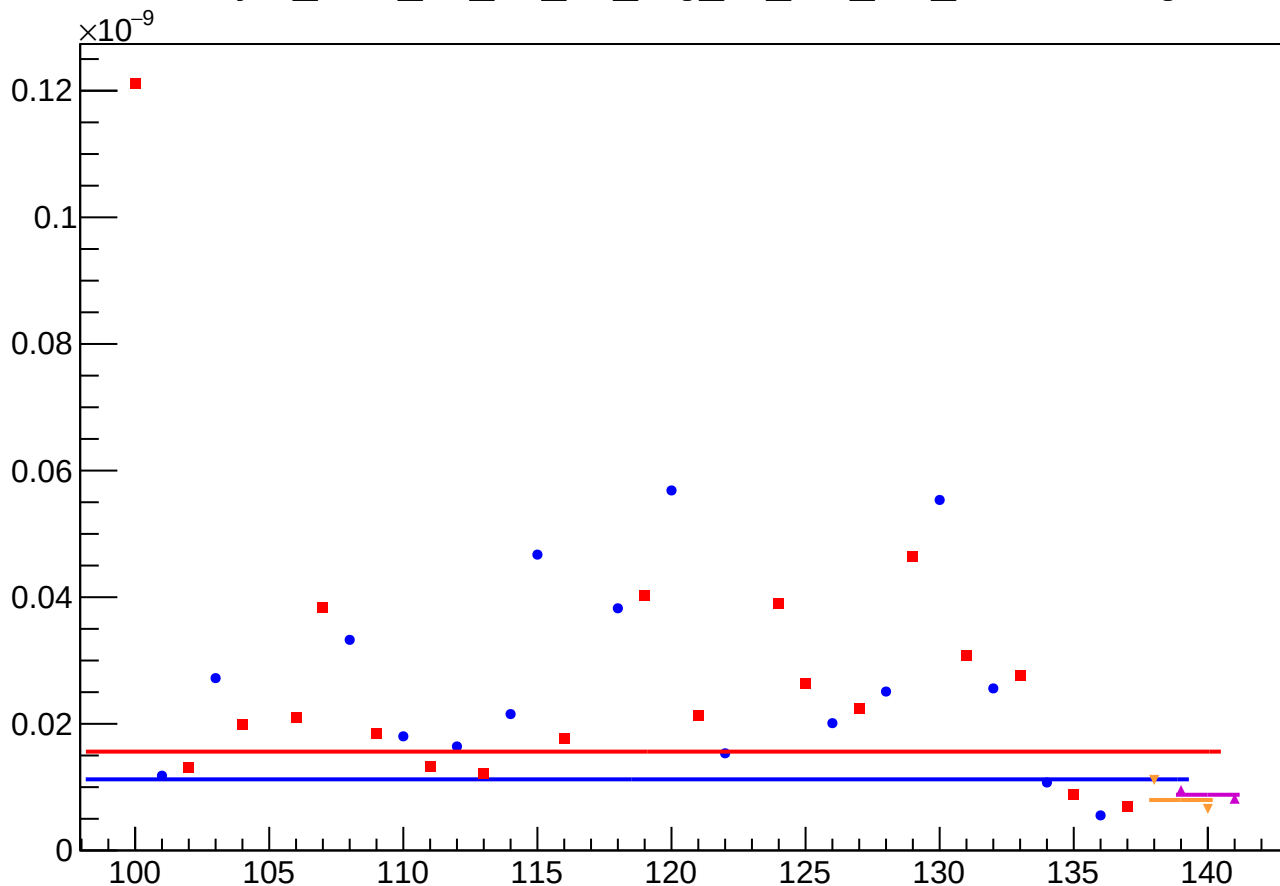
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 7.3/17

All: 0.000 ± 0.000 χ^2/NDF : 38.3/38

- sign -0.000 ± 0.000 χ^2/NDF : 30.1/20

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

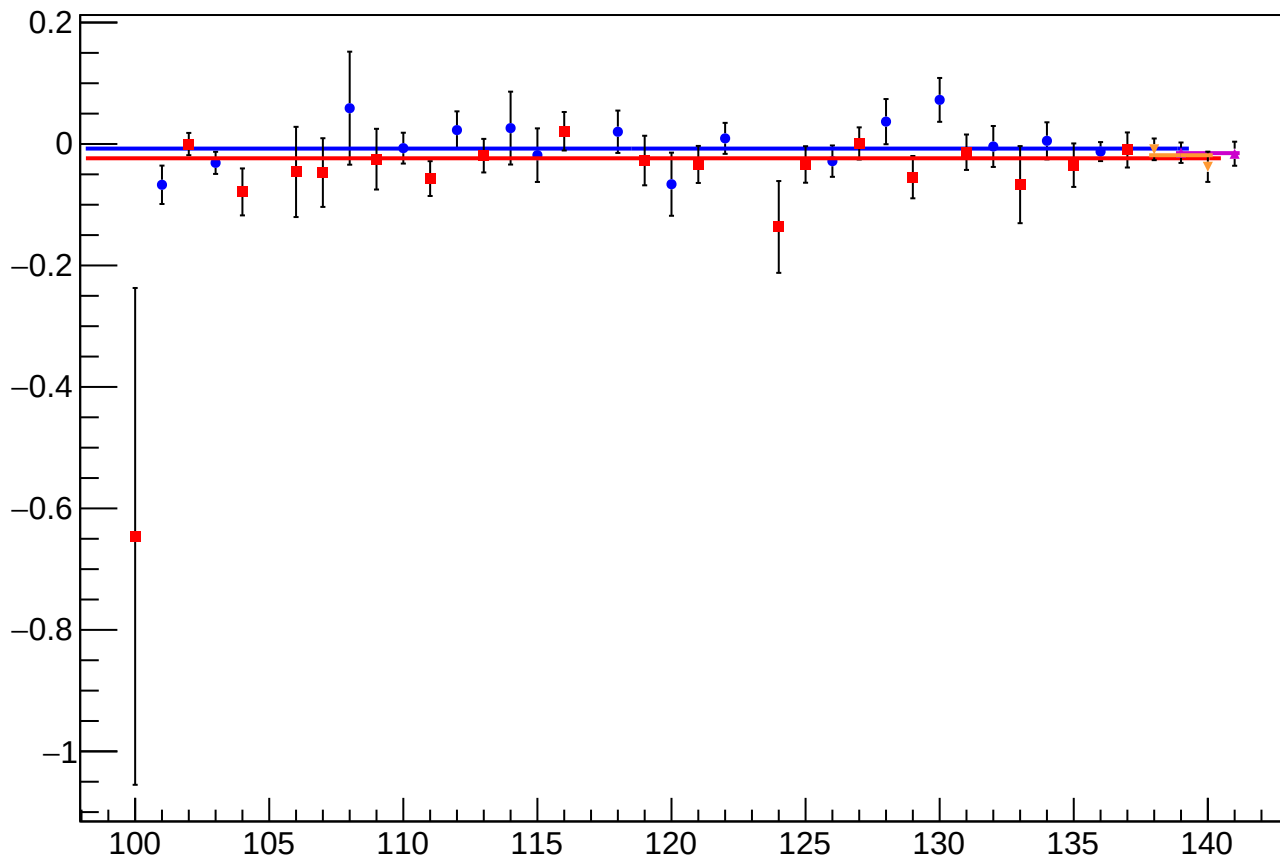
Left In: 0.000+/-0.000 χ^2/NDF : 7942.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2344060.4/17

All: 0.000+/-0.000 χ^2/NDF : 4093047.5/38

- sign 0.000+/-0.000 χ^2/NDF : 1613748.0/20

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 16.7/15

Left Out: -0.019 ± 0.014 χ^2/NDF : 0.9/1

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

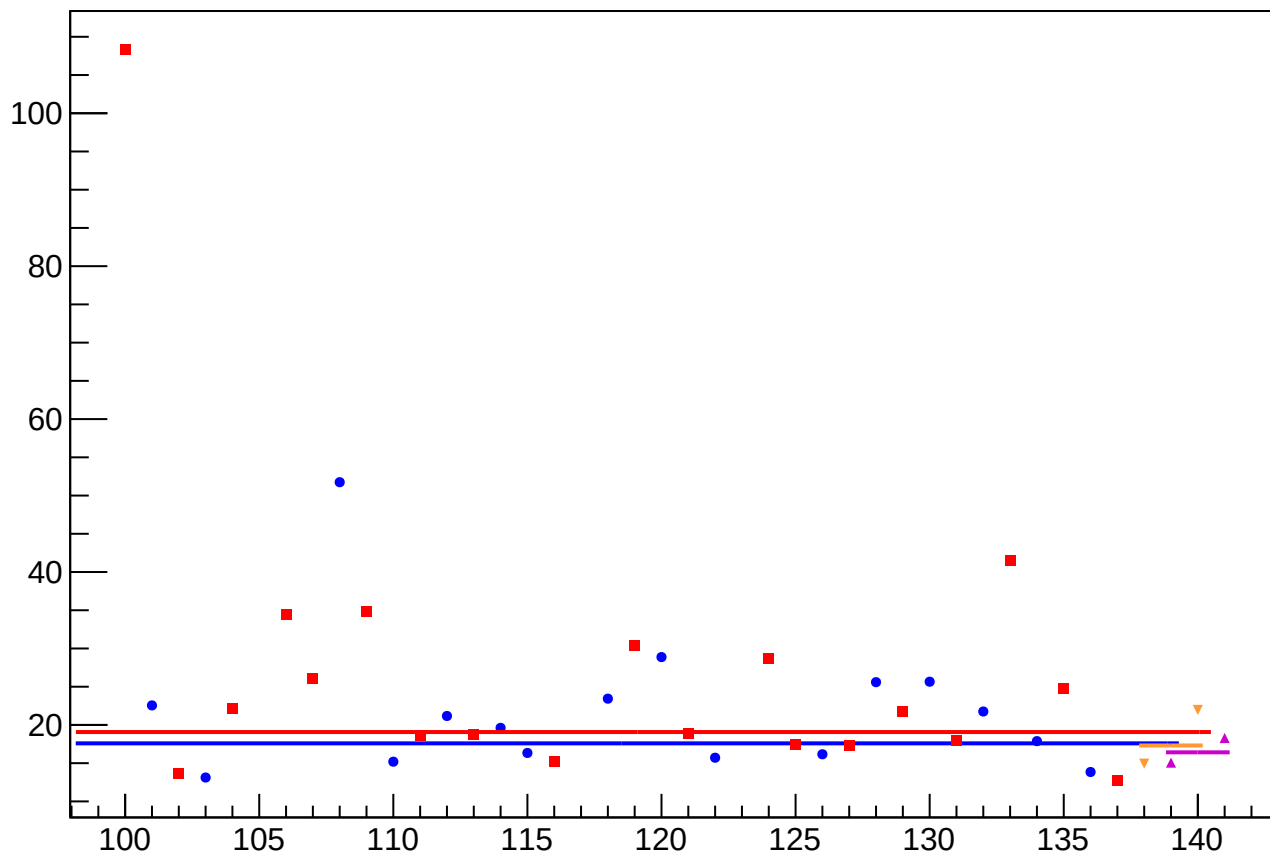
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/38

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 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

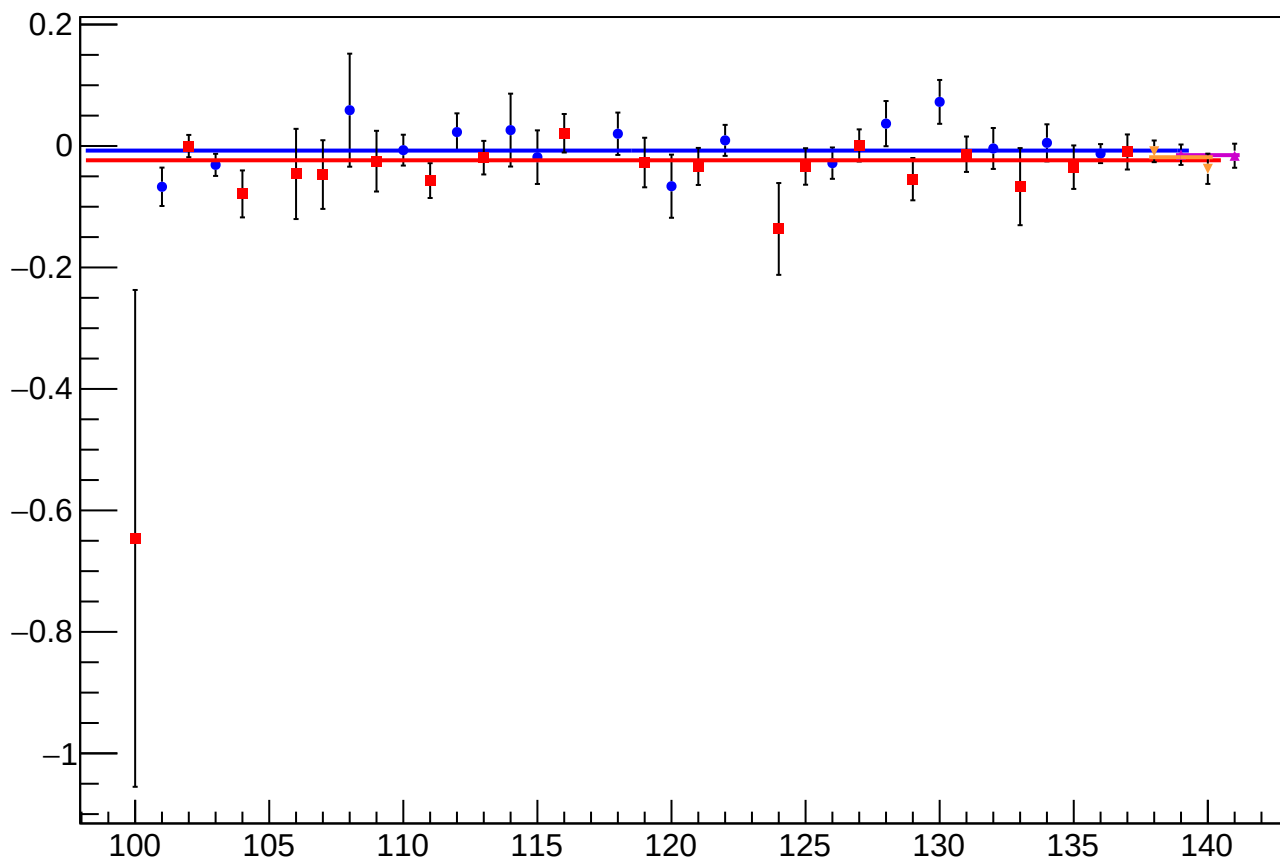
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF:30695.9/1

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099022.5/17

All: 17.938 $\pm$ 0.003 χ^2 /NDF: 2456449.6/38

- sign 18.362 $\pm$ 0.005 χ^2 /NDF: 1341488.0/20

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

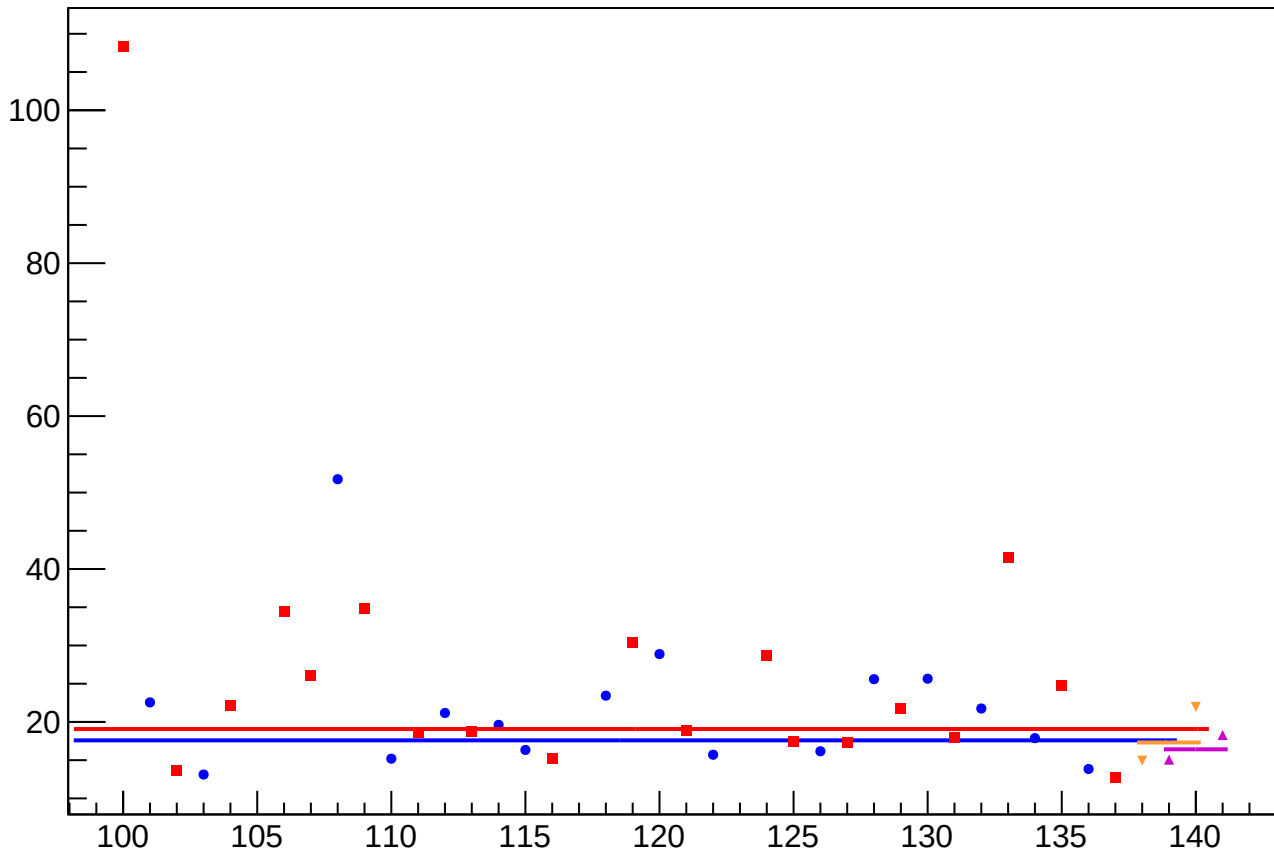
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/38

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

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

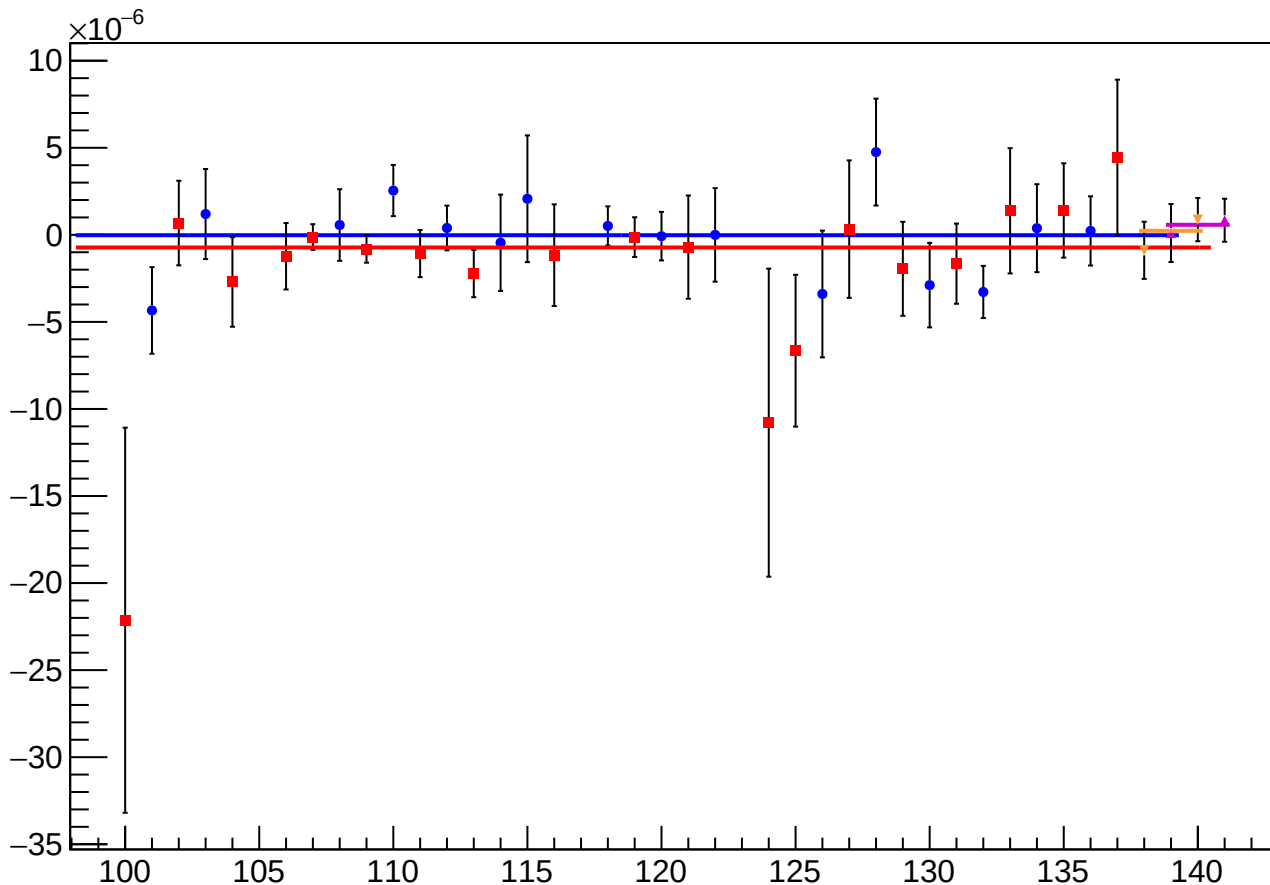
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF: 30695.9/1

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099022.5/17

All: 17.938 $\pm$ 0.003 χ^2 /NDF: 2456449.6/38

- sign 18.362 $\pm$ 0.005 χ^2 /NDF: 1341488.0/20

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

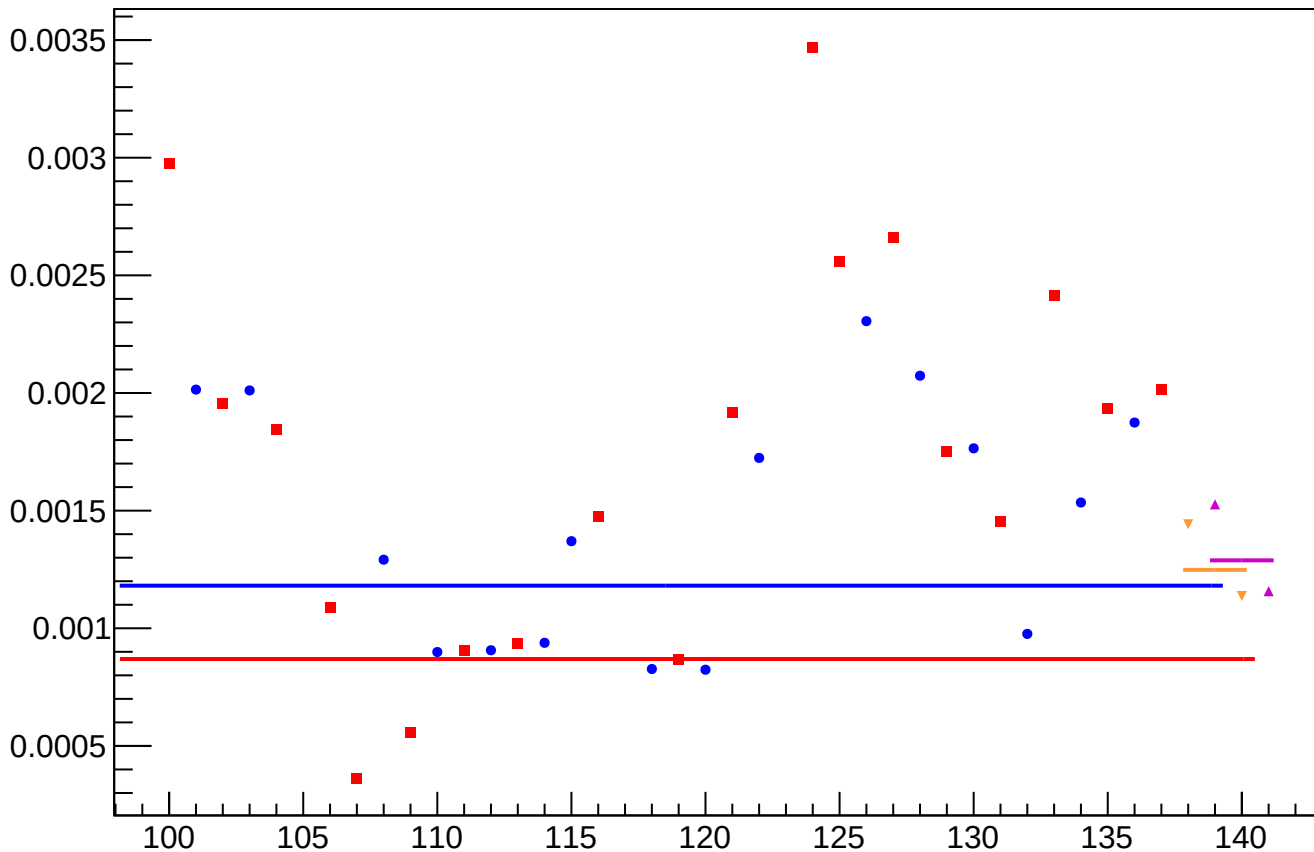
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 17.3/17

All: -0.000 ± 0.000 χ^2/NDF : 32.9/38

- sign -0.000 ± 0.000 χ^2/NDF : 14.5/20

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

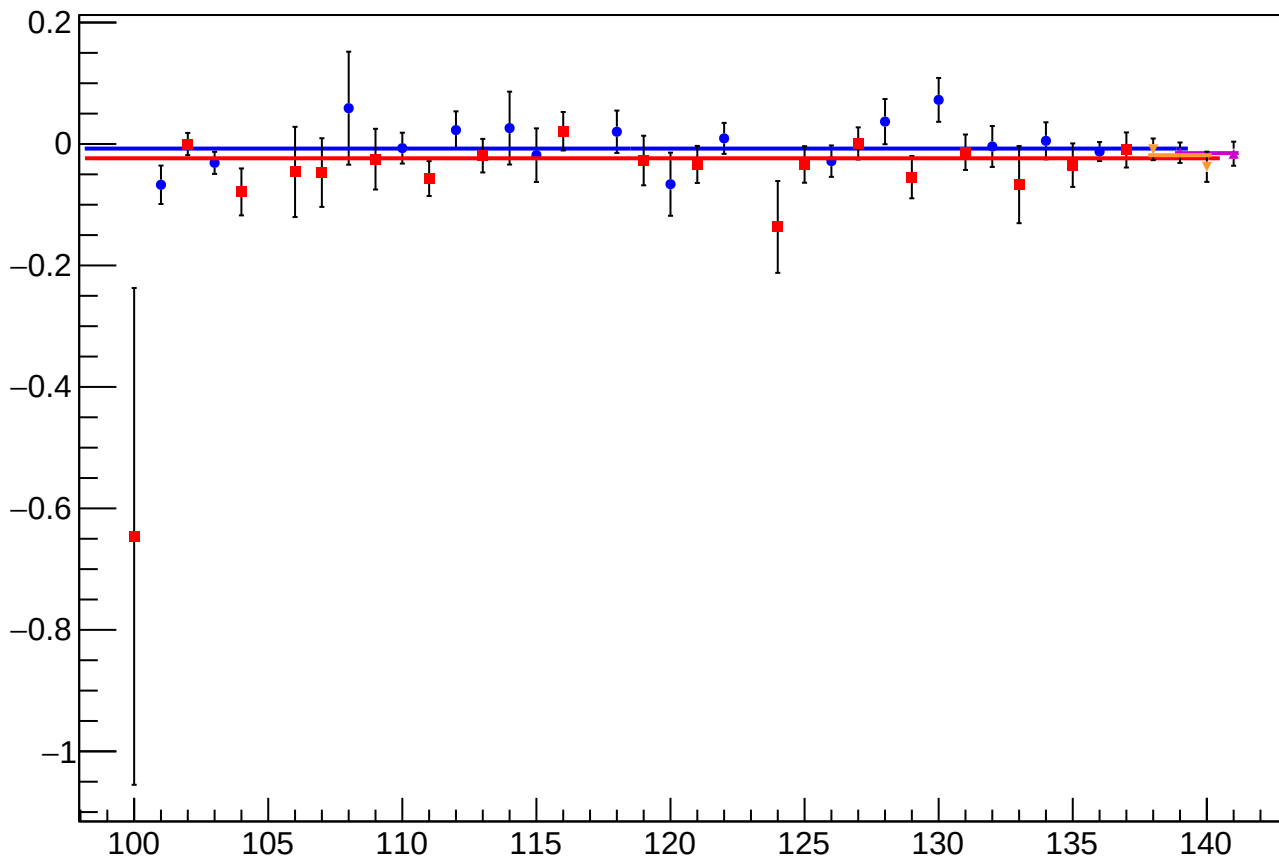
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 63420.5/1

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 1879599.8/17

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 7162751.7/38

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4810194.7/20

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

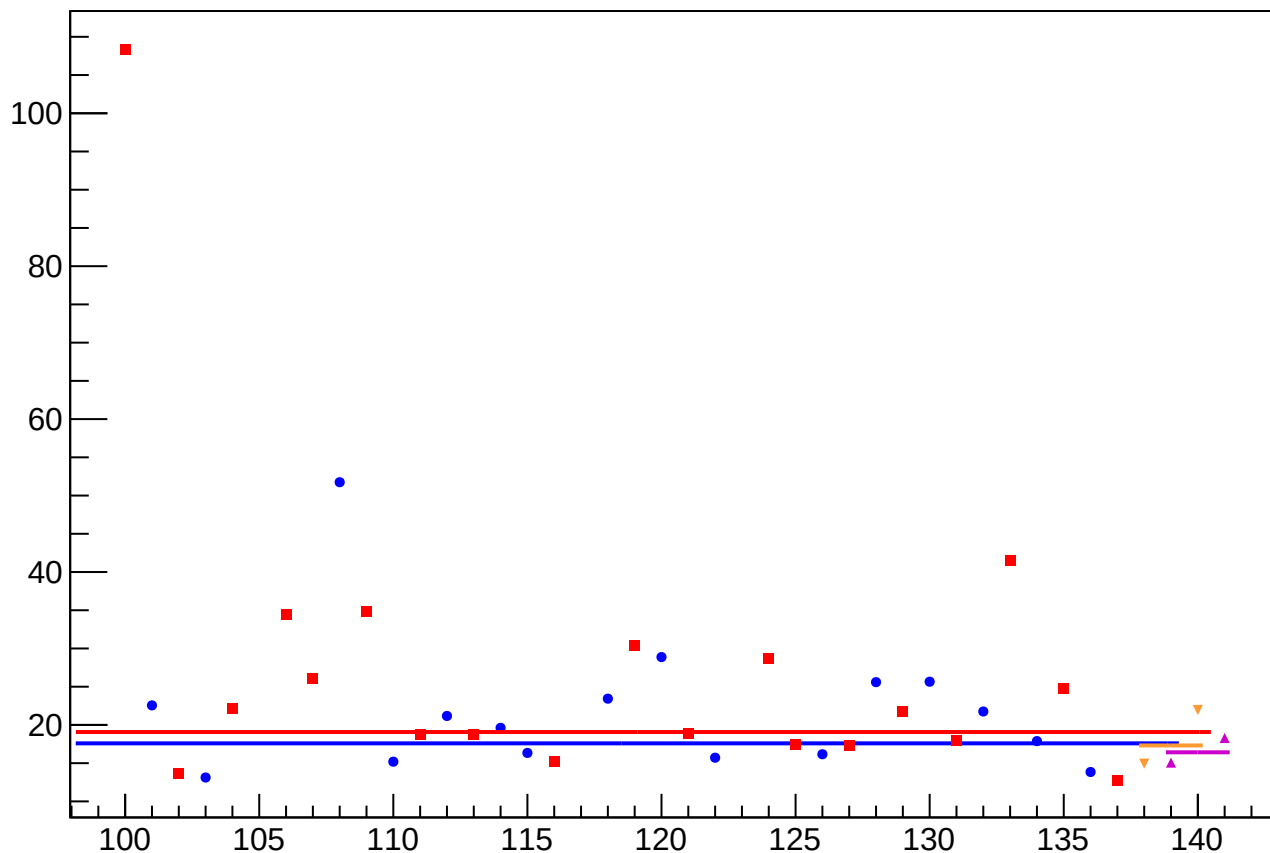
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/38

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

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

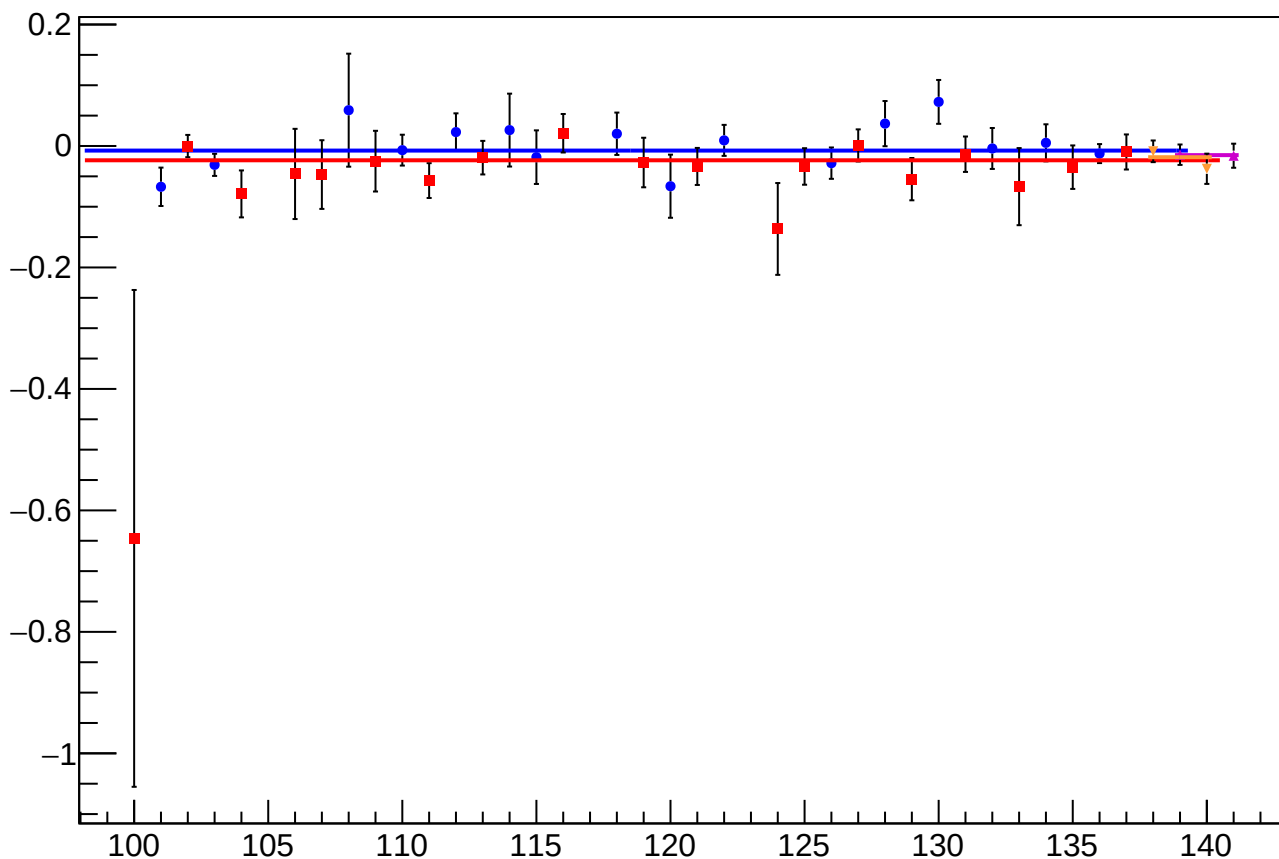
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF:30695.7/1

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099063.1/17

All: 17.938 $\pm$ 0.003 χ^2 /NDF: 2456422.0/38

- sign 18.363 $\pm$ 0.005 χ^2 /NDF: 1341409.7/20

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

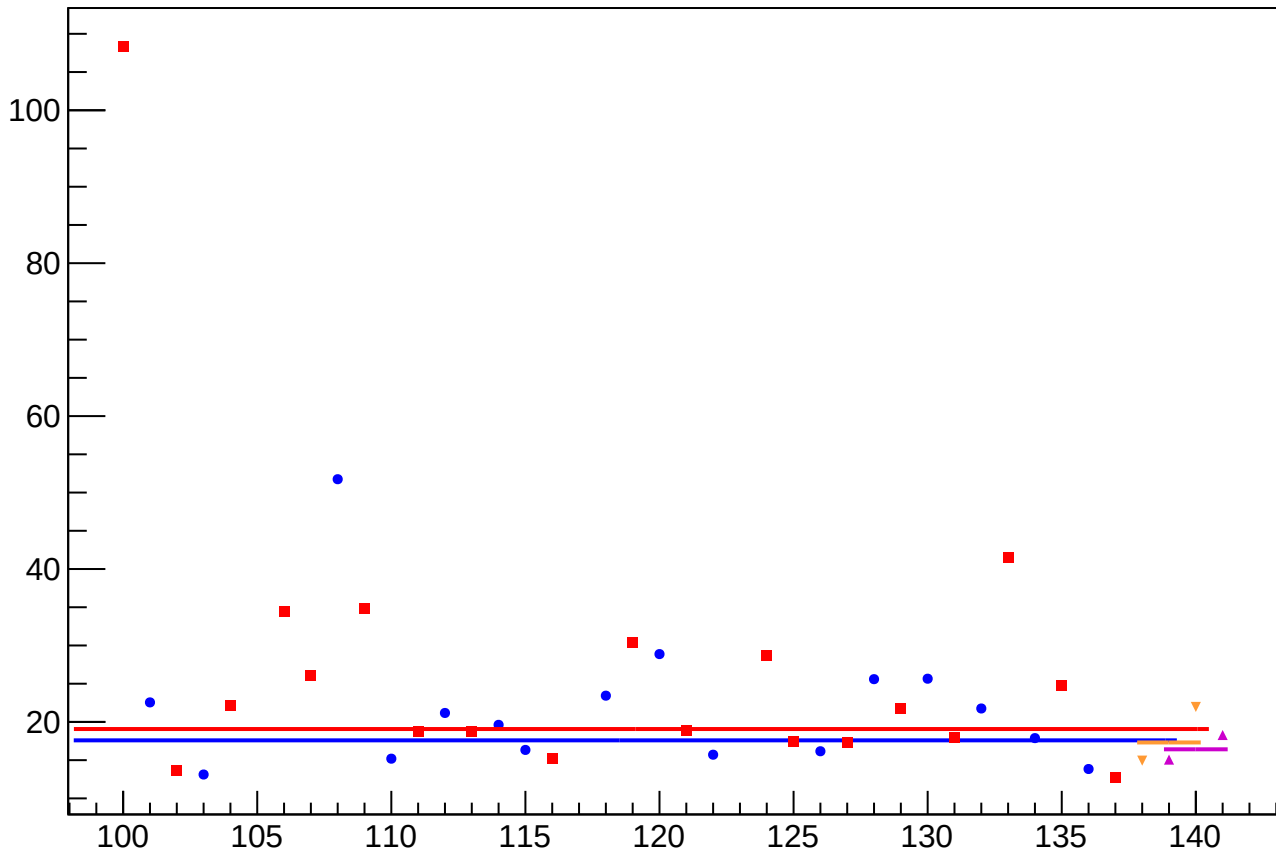
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.010 ± 0.006 χ^2/NDF : 18.1/17

All: -0.015 ± 0.005 χ^2/NDF : 34.6/38

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

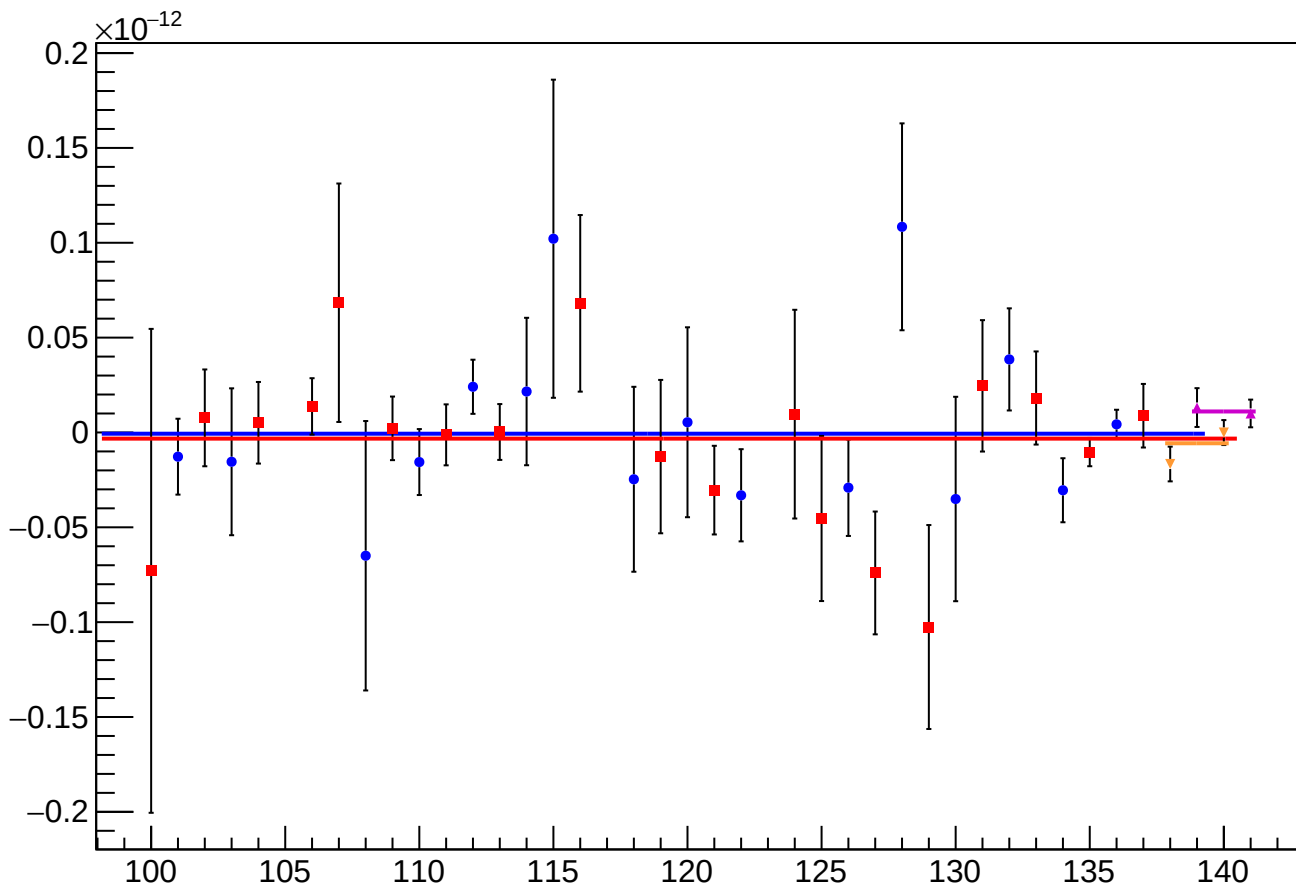
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF: 30695.7/1

+ sign 17.537 $\pm$ 0.005 χ^2 /NDF: 1099063.1/17

All: 17.938 $\pm$ 0.003 χ^2 /NDF: 2456422.0/38

- sign 18.363 $\pm$ 0.005 χ^2 /NDF: 1341409.7/20

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

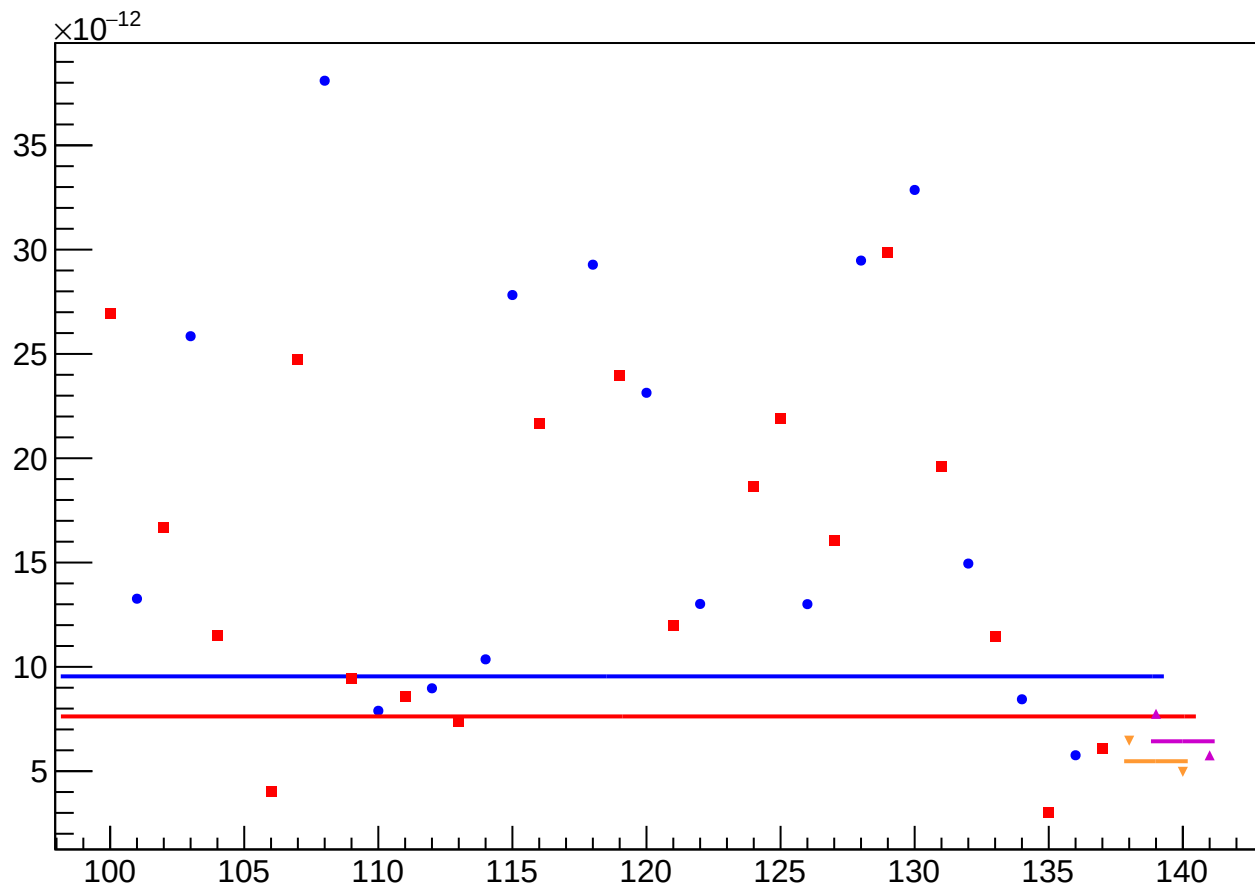
Left In: 0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 22.9/17

All: -0.000+/-0.000 χ^2/NDF : 46.8/38

- sign 0.000+/-0.000 χ^2/NDF : 22.9/20

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

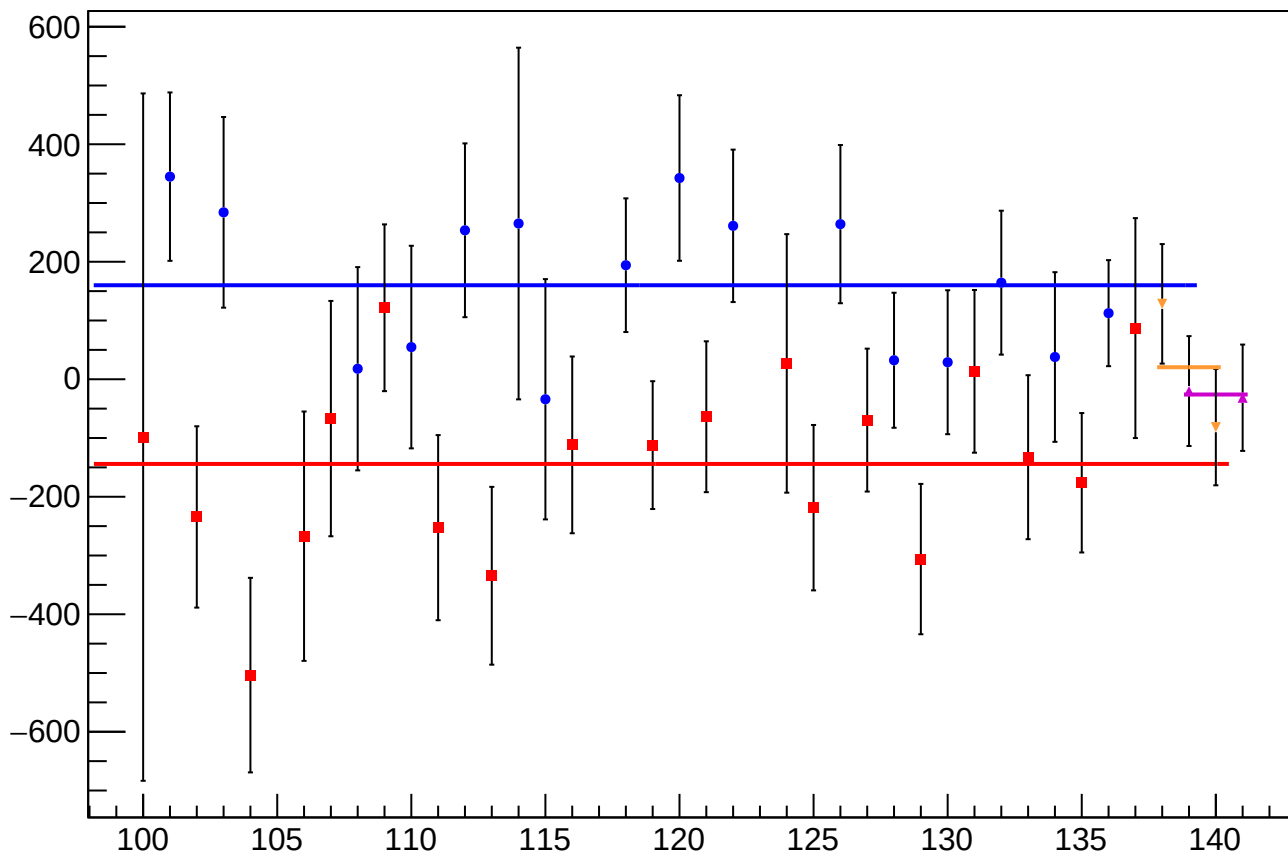
Left In: 0.000+/-0.000 χ^2/NDF : 50191.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3277811.3/17

All: 0.000+/-0.000 χ^2/NDF : 6479115.4/38

- sign 0.000+/-0.000 χ^2/NDF : 3187450.4/20

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

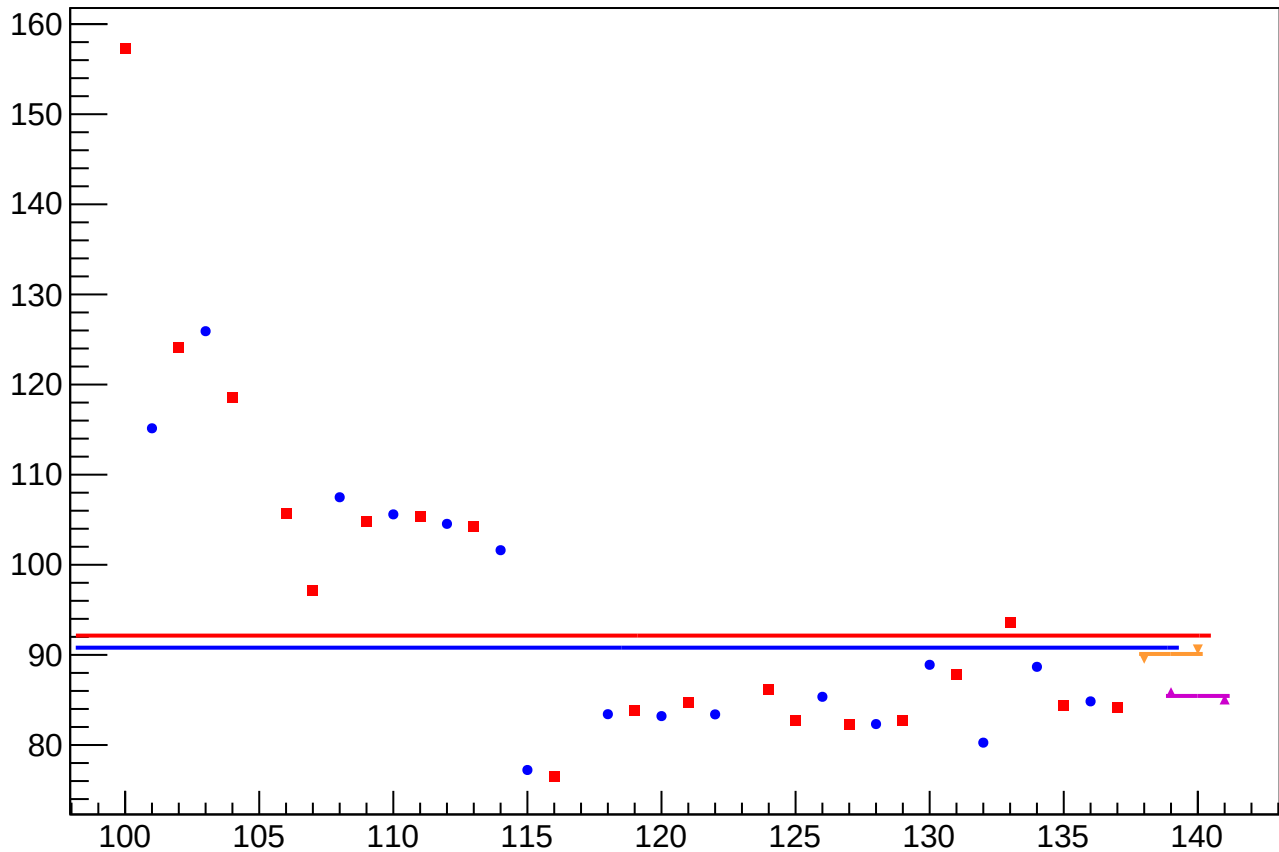
Left In: -25.965 $\pm$ 65.026 χ^2 /NDF: 0.0/1

+ sign 133.744 $\pm$ 30.784 χ^2 /NDF: 16.4/17

All: 5.532 $\pm$ 21.586 χ^2 /NDF: 70.5/38

- sign -118.500 $\pm$ 30.278 χ^2 /NDF: 20.0/20

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

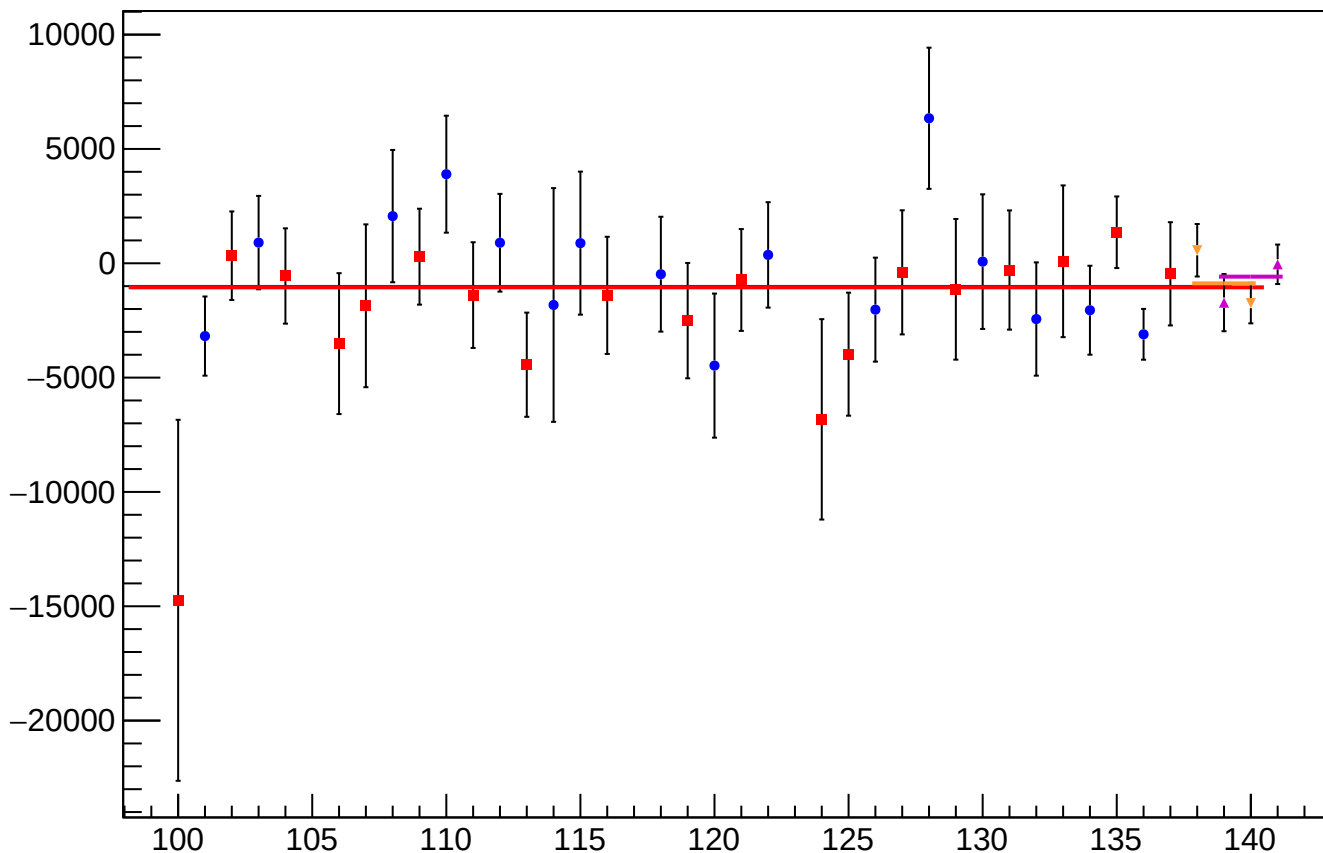
Left In: 85.446 $\pm$ 0.046 χ^2 /NDF: 76.0/1

+ sign 90.670 $\pm$ 0.022 χ^2 /NDF: 273017.4/17

All: 90.680 $\pm$ 0.015 χ^2 /NDF: 591734.1/38

- sign 90.690 $\pm$ 0.021 χ^2 /NDF: 318716.3/20

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

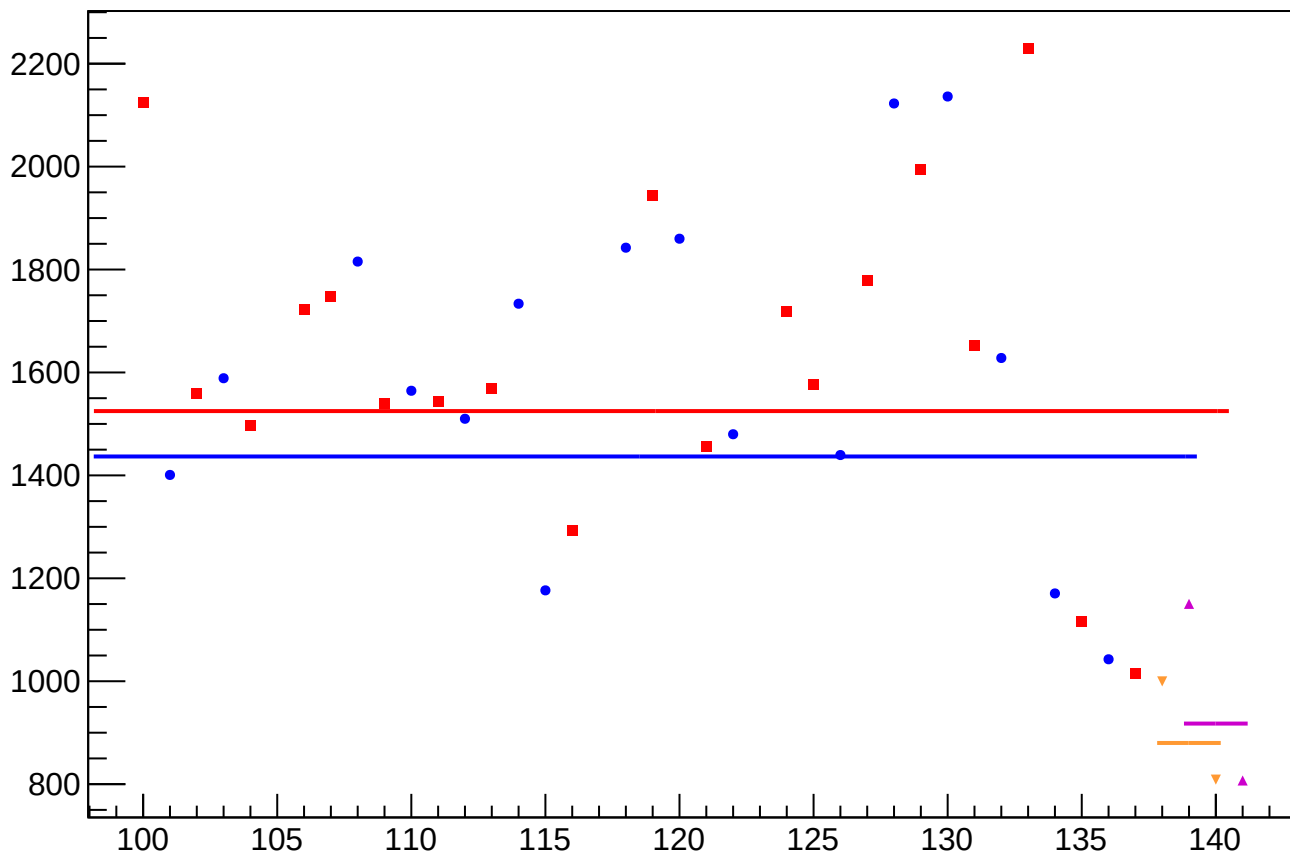
Left In: -585.051 $\pm$ 710.093 χ^2 /NDF: 1.2/1

+ sign -975.527 $\pm$ 432.918 χ^2 /NDF: 22.8/17

All: -923.681 $\pm$ 309.963 χ^2 /NDF: 37.2/38

- sign -869.145 $\pm$ 444.001 χ^2 /NDF: 14.4/20

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF : 675672.3/15

Left Out: 880.052+/-0.496 χ^2/NDF : 34640.2/1

Right Out: 1524.955+/-0.402 χ^2/NDF : 504563.9/18

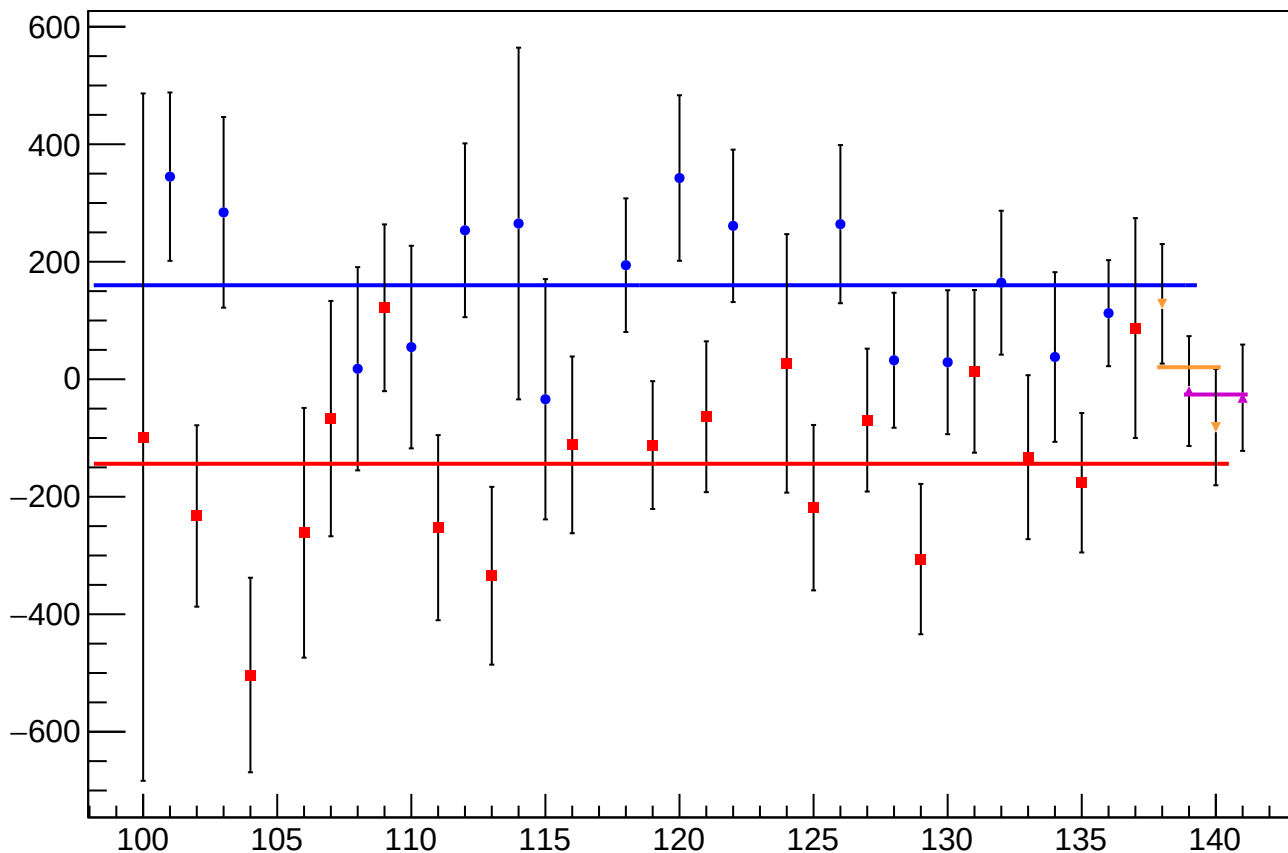
Left In: 917.725+/-0.502 χ^2/NDF : 102040.1/1

+ sign 1224.693+/-0.306 χ^2/NDF : 1490151.0/17

All: 1255.327+/-0.219 χ^2/NDF : 3008039.6/38

- sign 1287.550+/-0.314 χ^2/NDF : 1497340.2/20

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

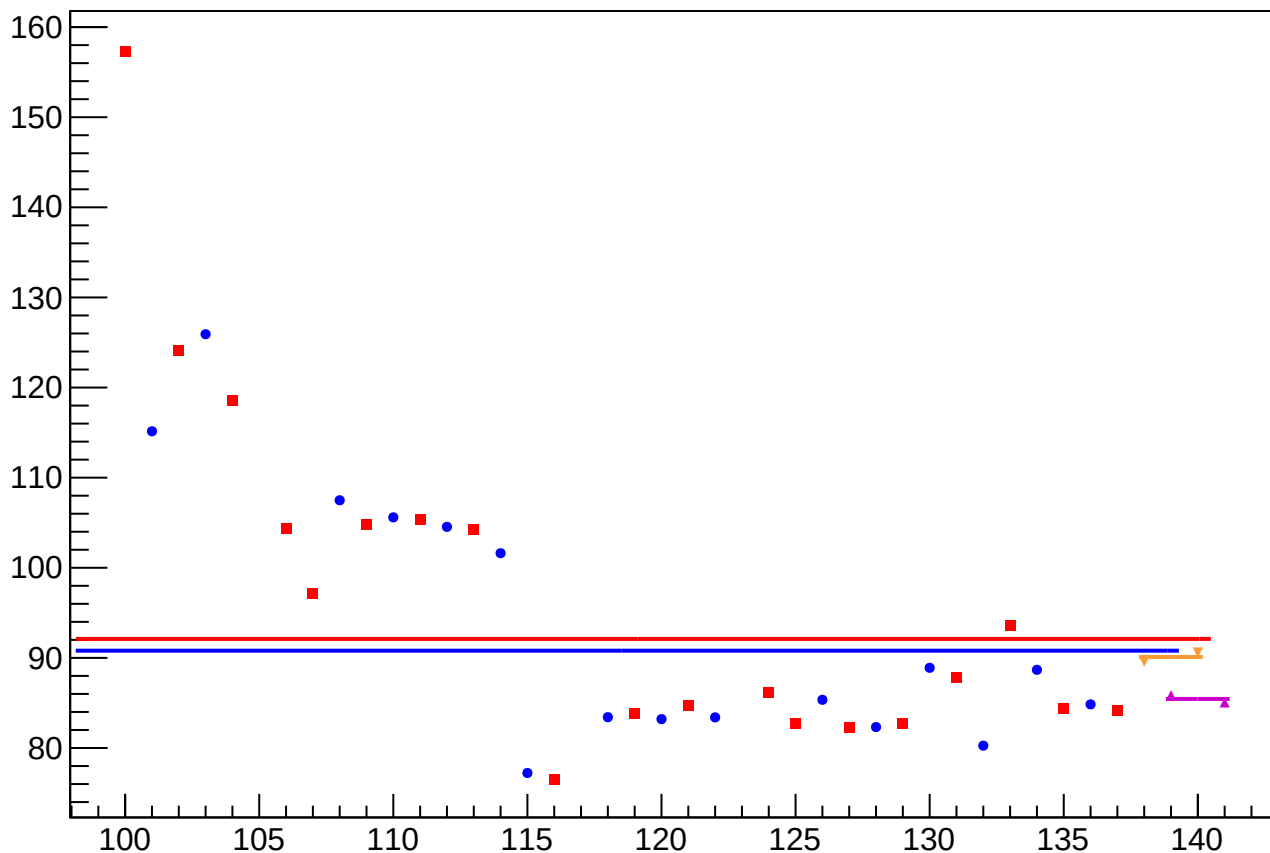
Left In: -25.978 $\pm$ 65.026 χ^2 /NDF: 0.0/1

+ sign 133.742 $\pm$ 30.784 χ^2 /NDF: 16.4/17

All: 5.639 $\pm$ 21.587 χ^2 /NDF: 70.4/38

- sign -118.300 $\pm$ 30.280 χ^2 /NDF: 19.9/20

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

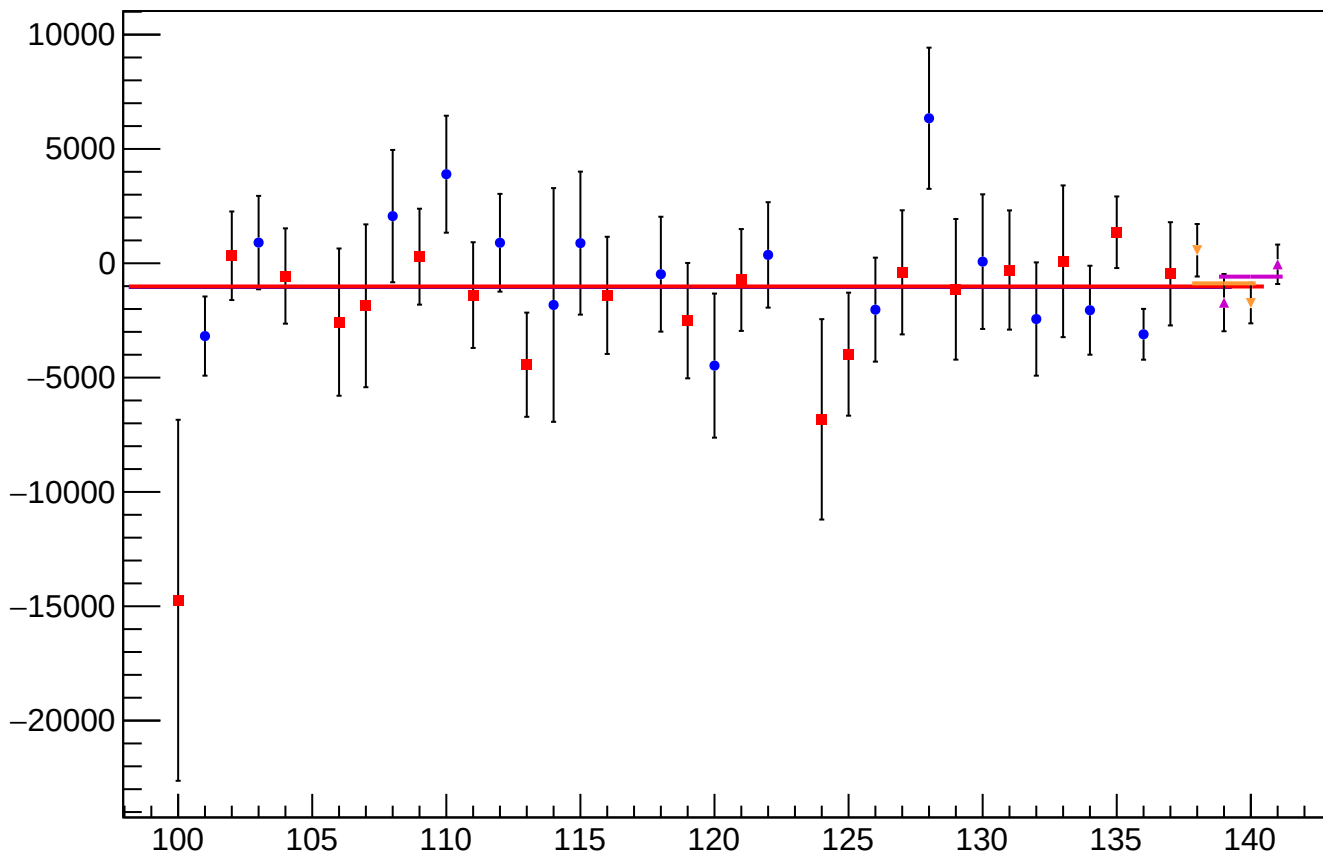
Left In: 85.446 $\pm$ 0.046 χ^2 /NDF:76.0/1

+ sign 90.670 $\pm$ 0.022 χ^2 /NDF: 273019.2/17

All: 90.667 $\pm$ 0.015 χ^2 /NDF: 590307.0/38

- sign 90.663 $\pm$ 0.021 χ^2 /NDF: 317287.7/20

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009 $\pm$ 550.208 χ^2 /NDF: 20.2/15

Left Out: -878.790 $\pm$ 701.455 χ^2 /NDF: 2.5/1

Right Out: -1015.387 $\pm$ 569.773 χ^2 /NDF: 12.5/18

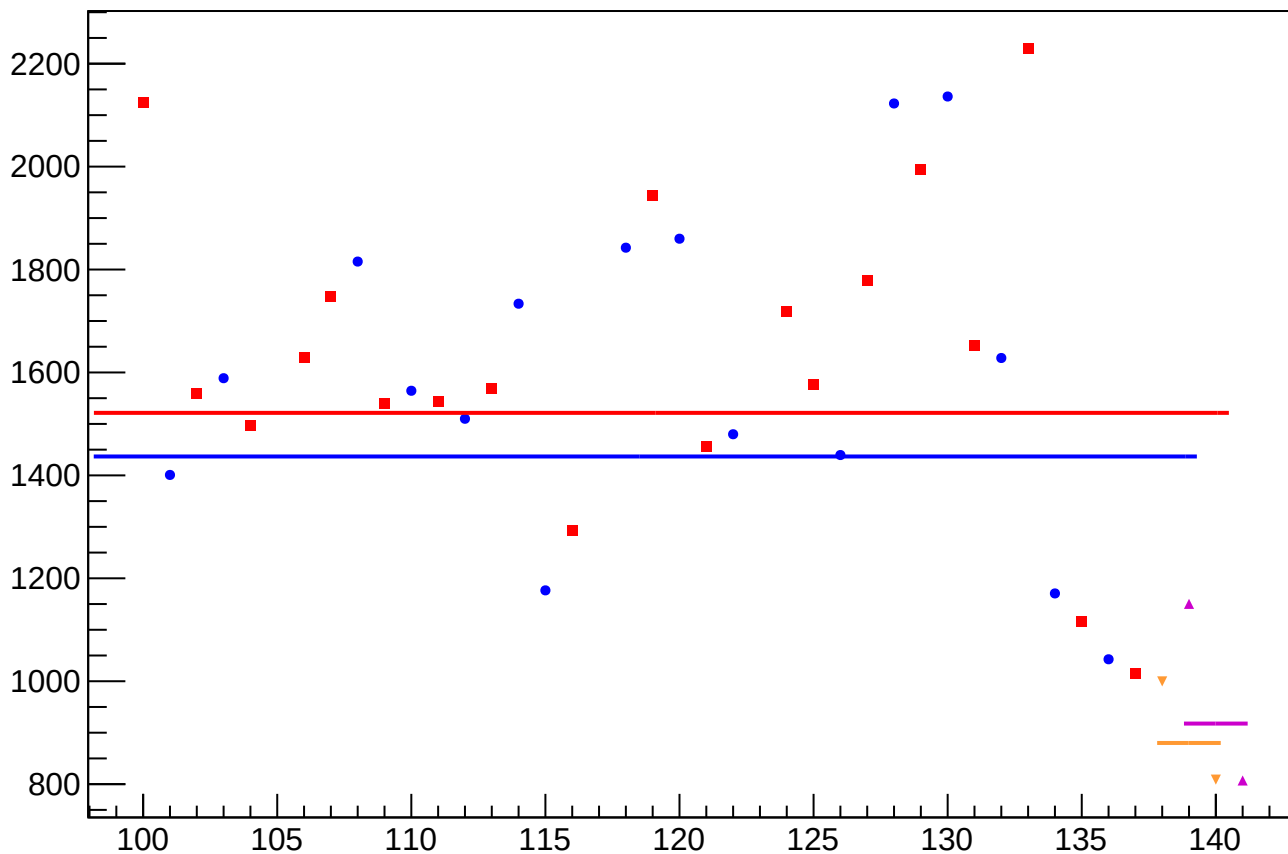
Left In: -585.073 $\pm$ 710.093 χ^2 /NDF: 1.2/1

+ sign -975.505 $\pm$ 432.919 χ^2 /NDF: 22.8/17

All: -912.859 $\pm$ 310.099 χ^2 /NDF: 36.8/38

- sign -846.848 $\pm$ 444.399 χ^2 /NDF: 13.9/20

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

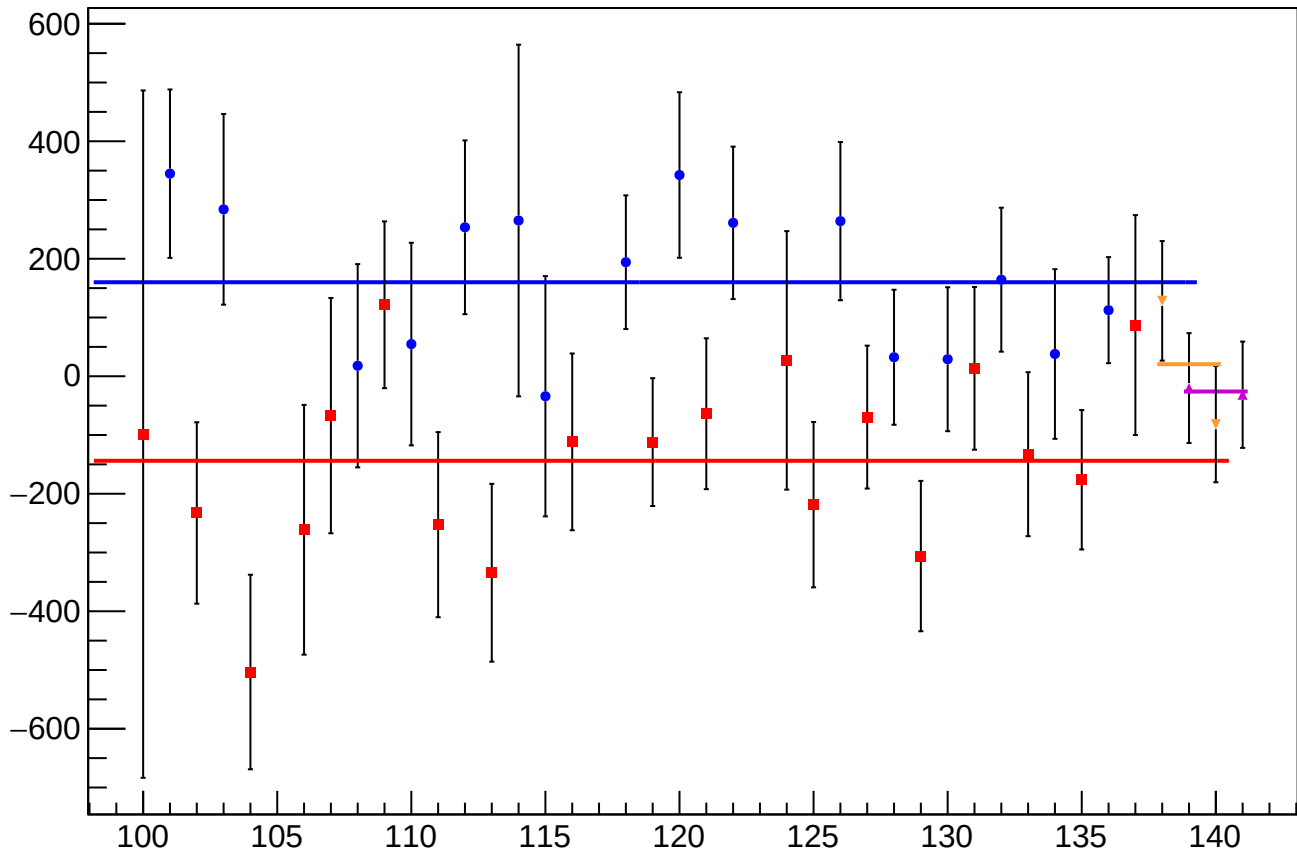
Left In: 917.725 $\pm$ 0.502 χ^2 /NDF: 102039.6/1

+ sign 1224.694 $\pm$ 0.306 χ^2 /NDF: 1490169.7/17

All: 1254.068 $\pm$ 0.219 χ^2 /NDF: 2989084.0/38

- sign 1285.020 $\pm$ 0.314 χ^2 /NDF: 1480004.9/20

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

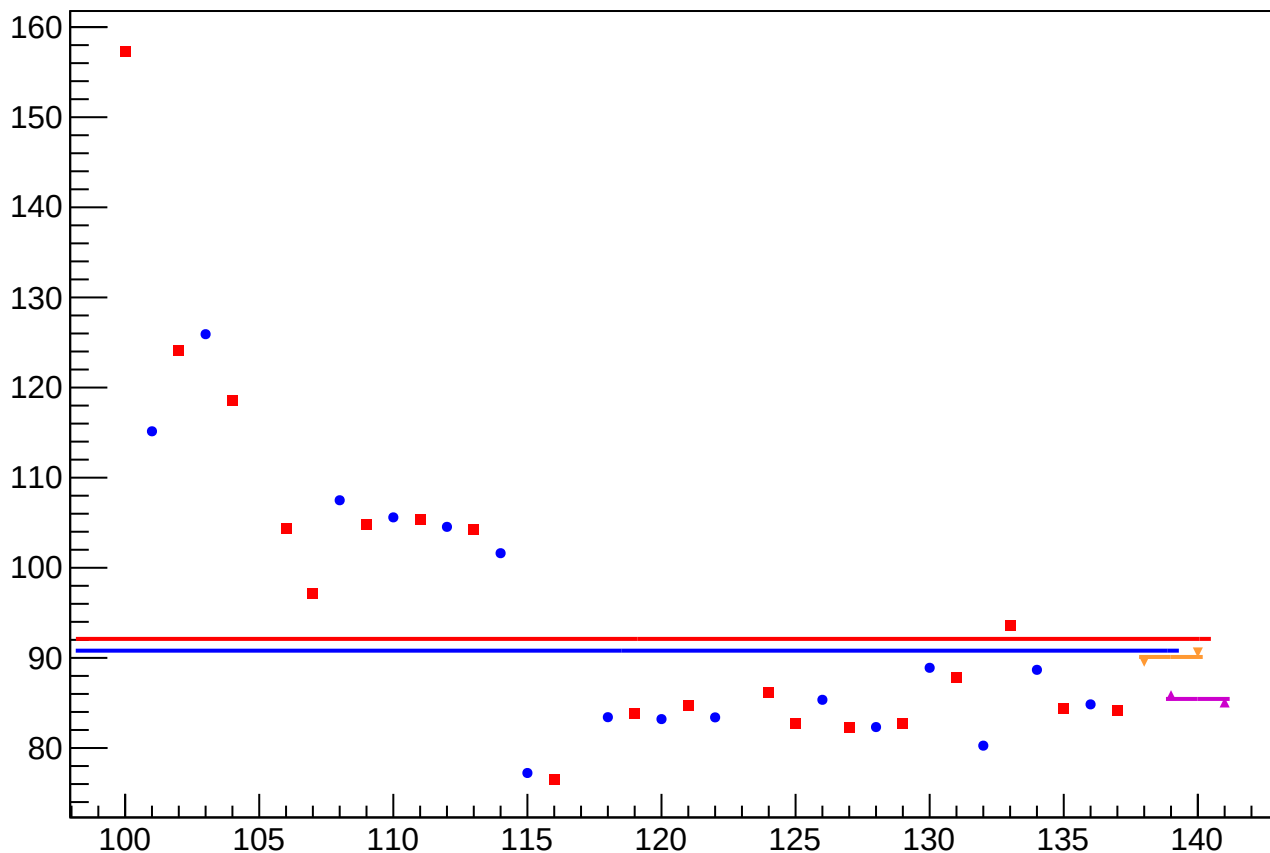
Left In: -25.978 $\pm$ 65.026 χ^2 /NDF:0.0/1

+ sign 133.742 $\pm$ 30.784 χ^2 /NDF: 16.4/17

All: 5.639 $\pm$ 21.587 χ^2 /NDF: 70.4/38

- sign -118.300 $\pm$ 30.280 χ^2 /NDF: 19.9/20

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

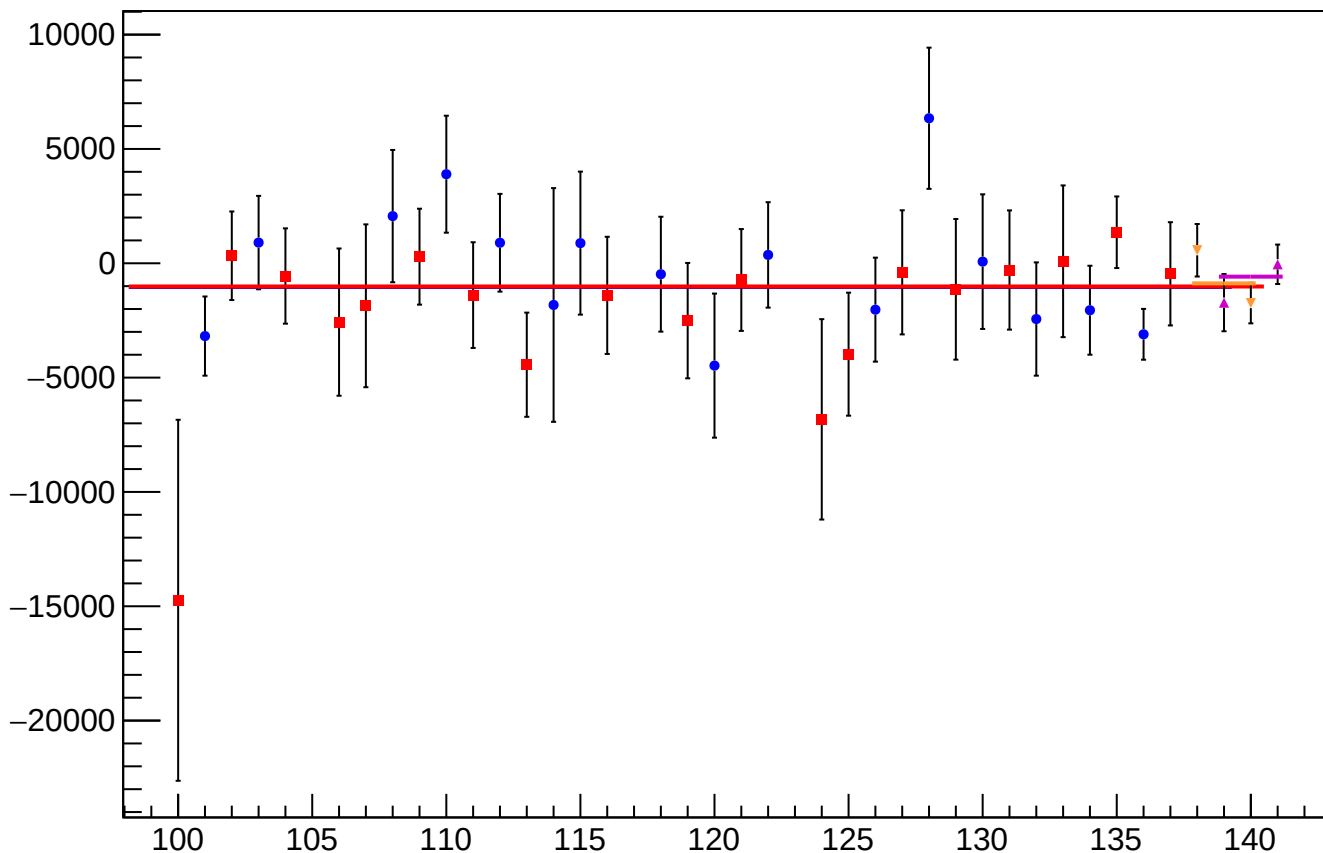
Left In: 85.446 $\pm$ 0.046 χ^2 /NDF: 76.0/1

+ sign 90.670 $\pm$ 0.022 χ^2 /NDF: 273019.2/17

All: 90.667 $\pm$ 0.015 χ^2 /NDF: 590307.0/38

- sign 90.663 $\pm$ 0.021 χ^2 /NDF: 317287.7/20

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1035.009 $\pm$ 550.208 χ^2 /NDF: 20.2/15

Left Out: -878.790 $\pm$ 701.455 χ^2 /NDF: 2.5/1

Right Out: -1015.387 $\pm$ 569.773 χ^2 /NDF: 12.5/18

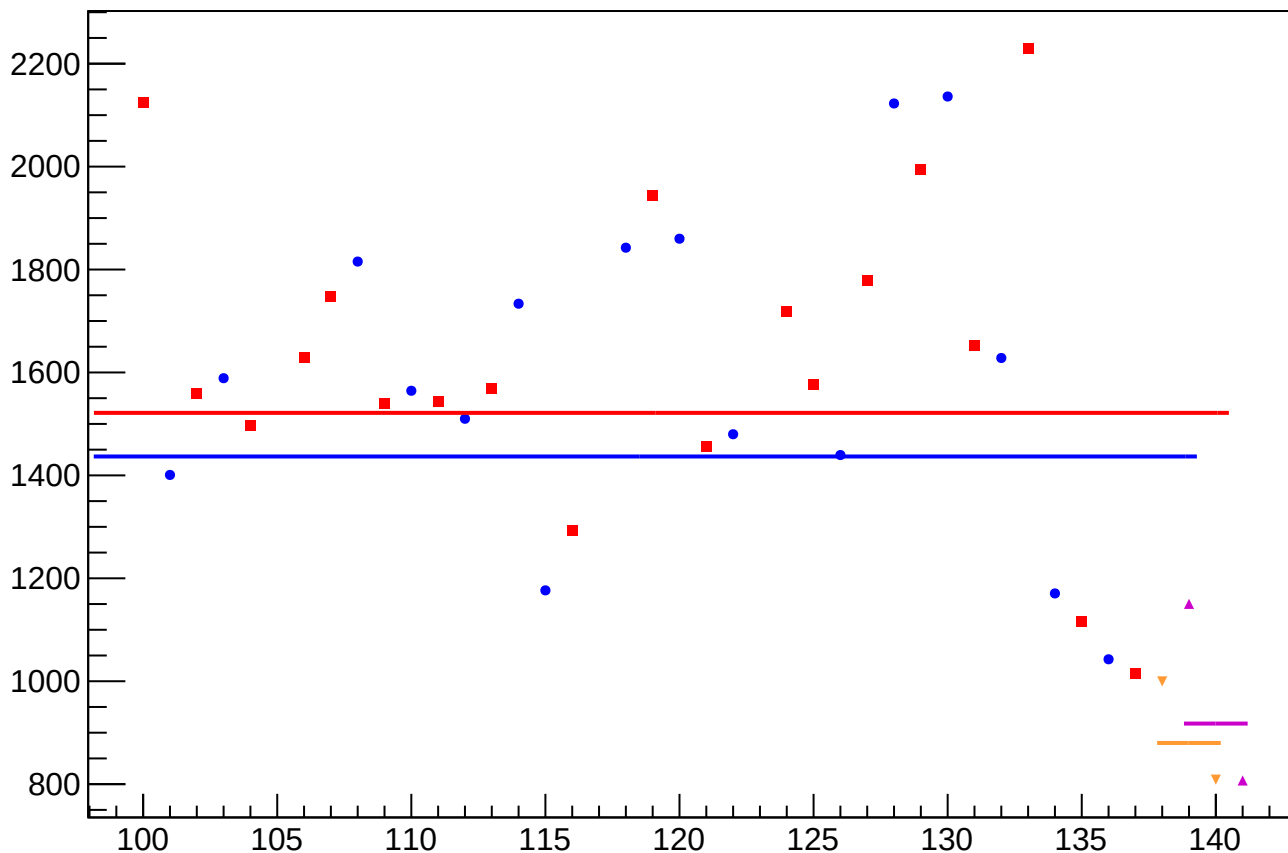
Left In: -585.073 $\pm$ 710.093 χ^2 /NDF: 1.2/1

+ sign -975.505 $\pm$ 432.919 χ^2 /NDF: 22.8/17

All: -912.859 $\pm$ 310.099 χ^2 /NDF: 36.8/38

- sign -846.848 $\pm$ 444.399 χ^2 /NDF: 13.9/20

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2 /NDF: 675680.8/15

Left Out: 880.052+/-0.496 χ^2 /NDF: 34640.6/1

Right Out: 1521.496+/-0.403 χ^2 /NDF: 498363.4/18

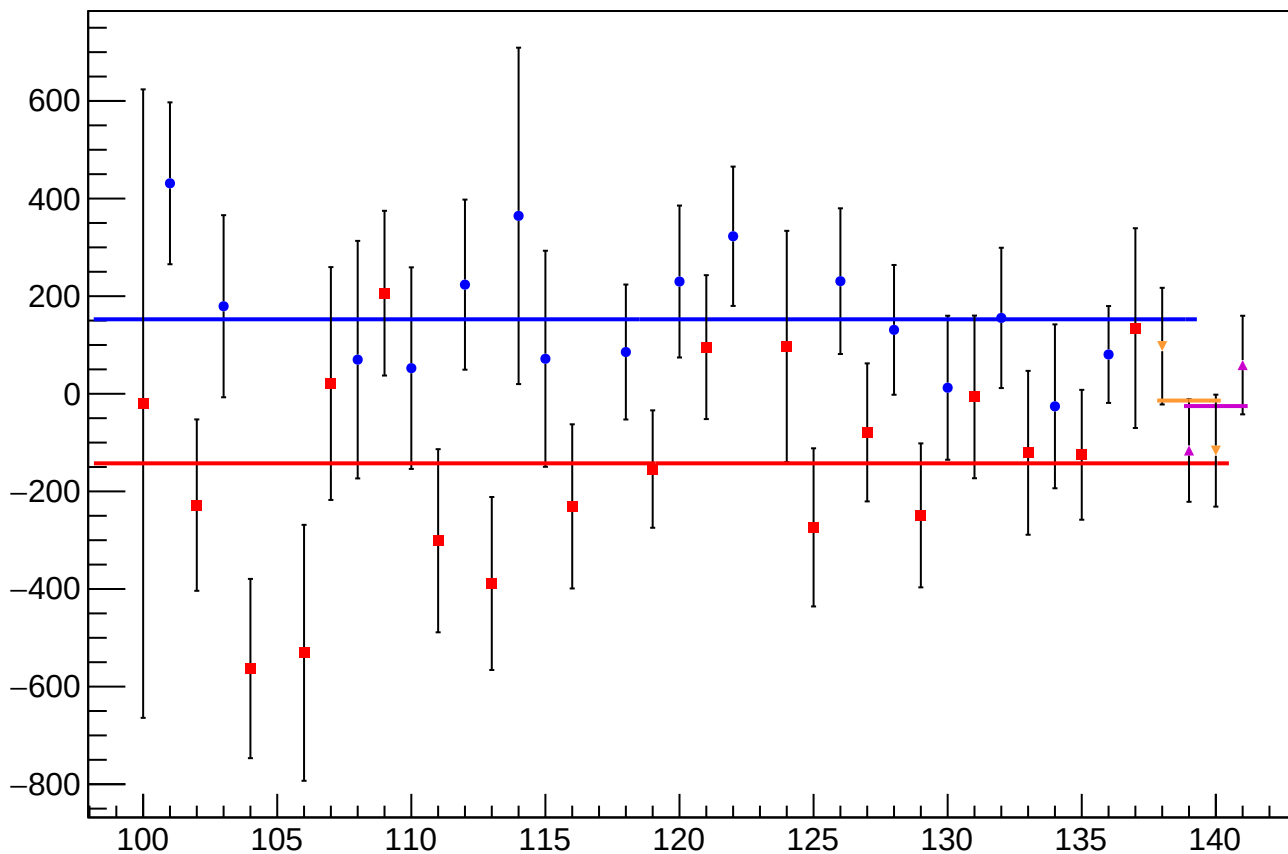
Left In: 917.725+/-0.502 χ^2 /NDF: 102039.6/1

+ sign 1224.694+/-0.306 χ^2 /NDF: 1490169.7/17

All: 1254.068+/-0.219 χ^2 /NDF: 2989084.0/38

- sign 1285.020+/-0.314 χ^2 /NDF: 1480004.9/20

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

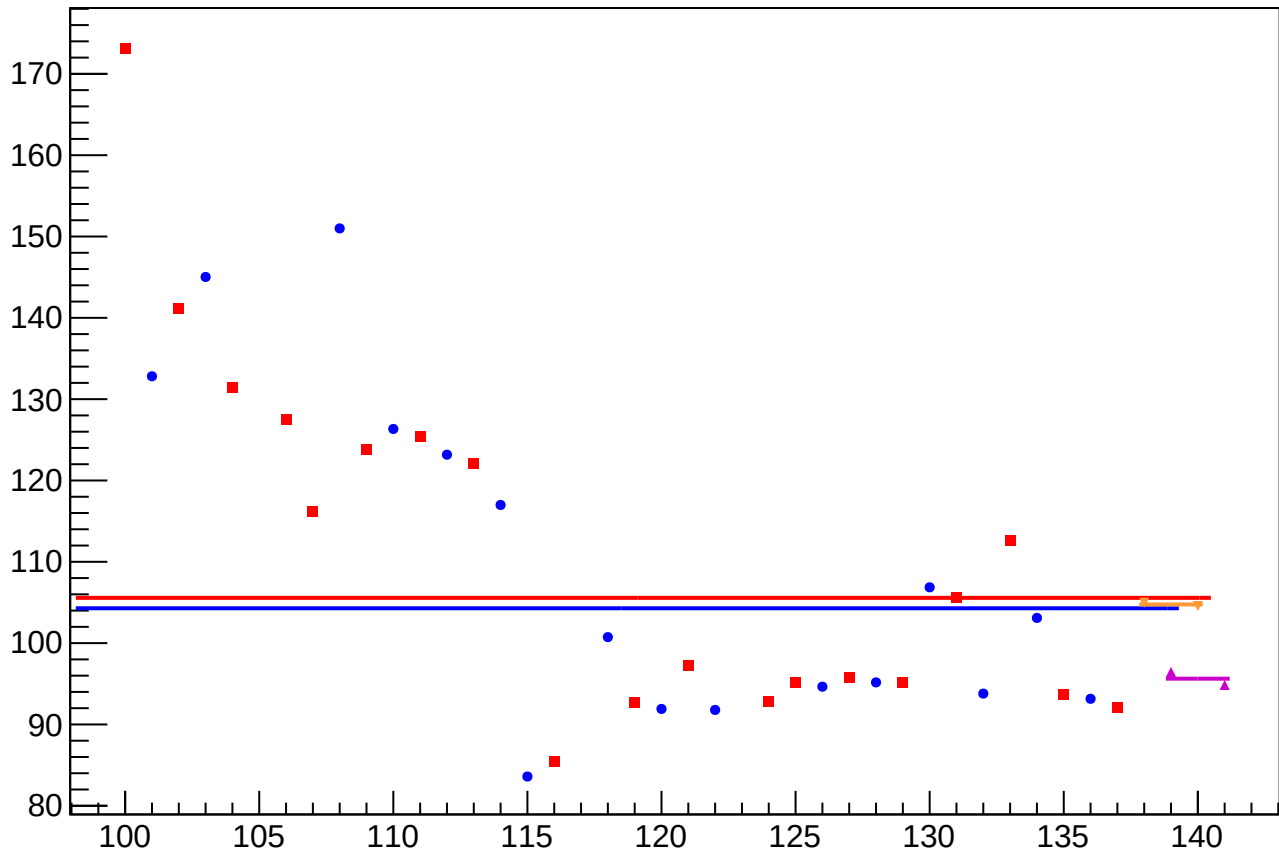
Left In: -25.168 $\pm$ 72.837 χ^2 /NDF:1.4/1

+ sign 121.811 $\pm$ 35.609 χ^2 /NDF: 13.6/17

All: -0.462 $\pm$ 24.820 χ^2 /NDF: 62.9/38

- sign -115.999 $\pm$ 34.614 χ^2 /NDF: 26.4/20

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286 $\pm$ 0.028 χ^2 /NDF: 378310.9/15

Left Out: 104.754 $\pm$ 0.059 χ^2 /NDF:12.5/1

Right Out: 105.568 $\pm$ 0.028 χ^2 /NDF: 344605.9/18

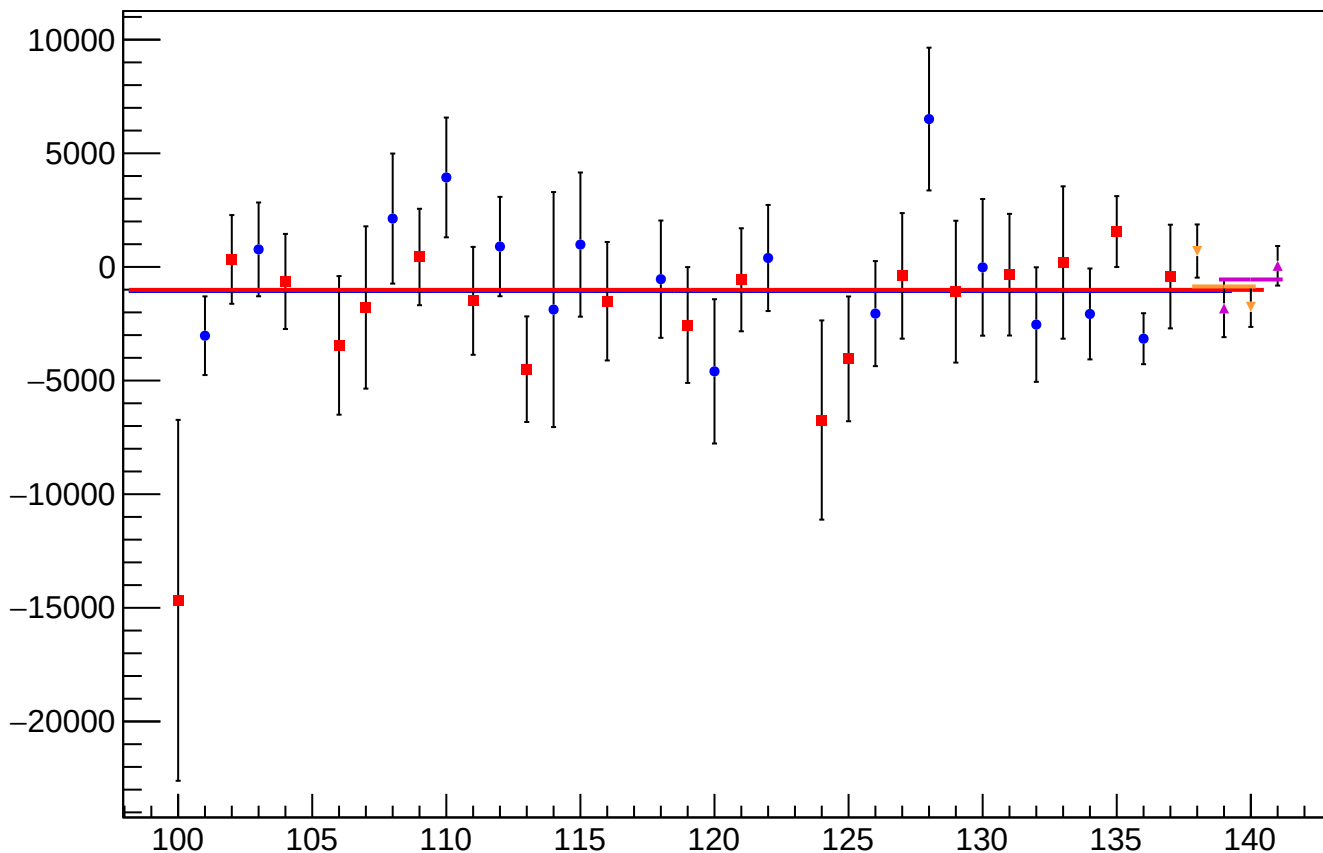
Left In: 95.628 $\pm$ 0.052 χ^2 /NDF:242.8/1

+ sign 104.373 $\pm$ 0.025 χ^2 /NDF: 378375.5/17

All: 103.833 $\pm$ 0.018 χ^2 /NDF: 752953.5/38

- sign 103.323 $\pm$ 0.024 χ^2 /NDF: 373684.7/20

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

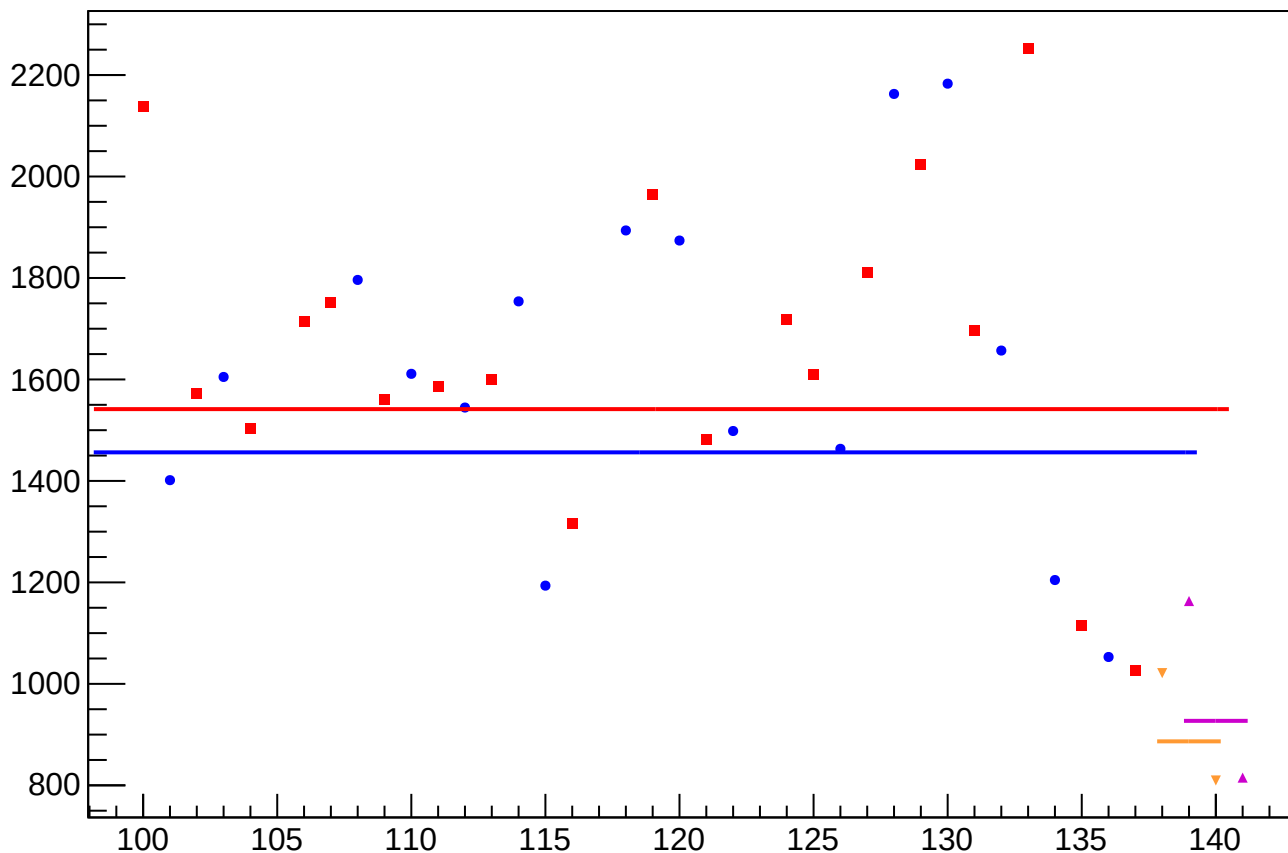
Left In: -552.605 $\pm$ 717.172 χ^2 /NDF: 1.5/1

+ sign -982.525 $\pm$ 437.681 χ^2 /NDF: 22.9/17

All: -908.606 $\pm$ 313.297 χ^2 /NDF: 38.0/38

- sign -830.931 $\pm$ 448.662 χ^2 /NDF: 15.0/20

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2 /NDF: 684806.5/15

Left Out: 886.675+/-0.499 χ^2 /NDF: 41571.1/1

Right Out: 1541.522+/-0.407 χ^2 /NDF: 519336.6/18

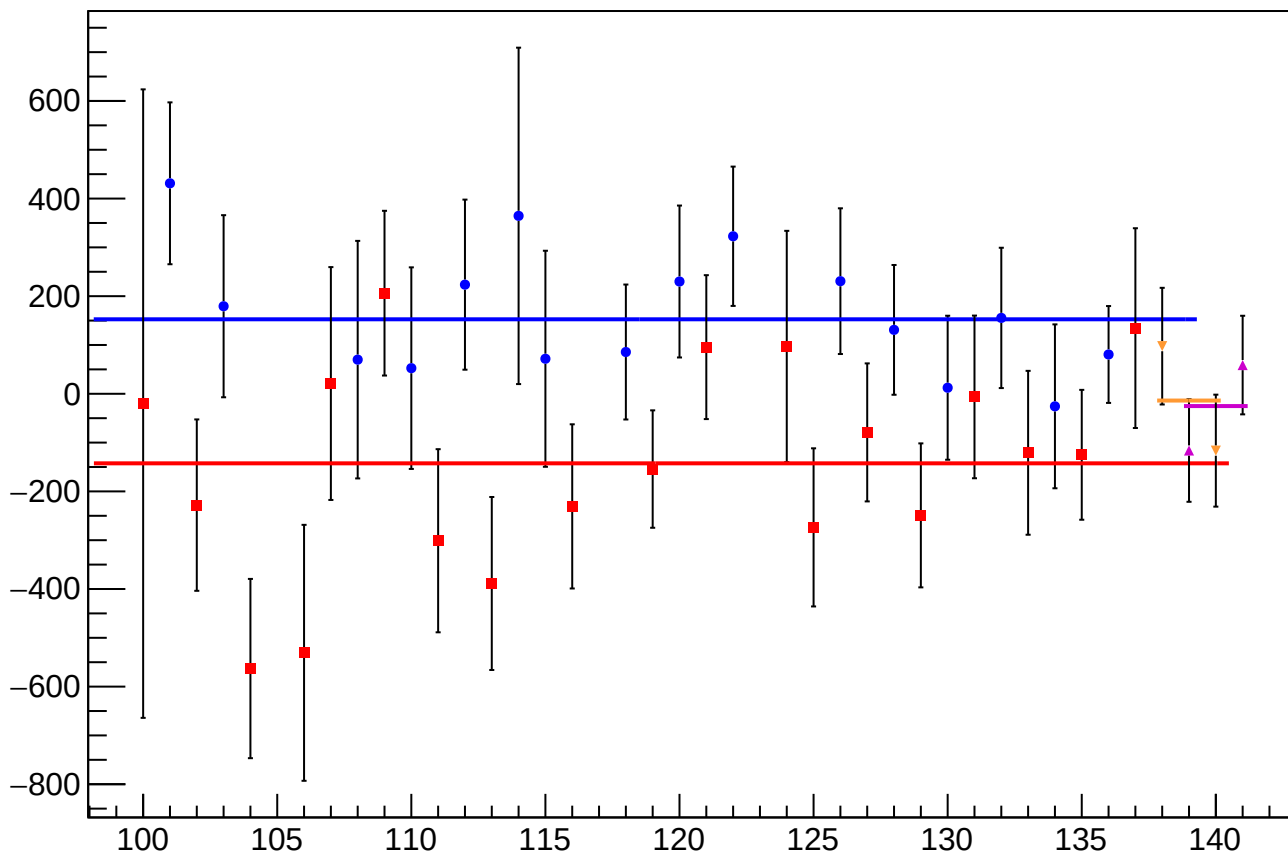
Left In: 927.095+/-0.507 χ^2 /NDF: 102727.5/1

+ sign 1237.582+/-0.309 χ^2 /NDF: 1527680.8/17

All: 1268.531+/-0.222 χ^2 /NDF: 3063713.1/38

- sign 1301.052+/-0.317 χ^2 /NDF: 1515524.1/20

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628 ± 39.446 χ^2/NDF : 8.6/15

Left Out: -13.853 ± 82.767 χ^2/NDF : 1.7/1

Right Out: -142.494 ± 39.340 χ^2/NDF : 22.9/18

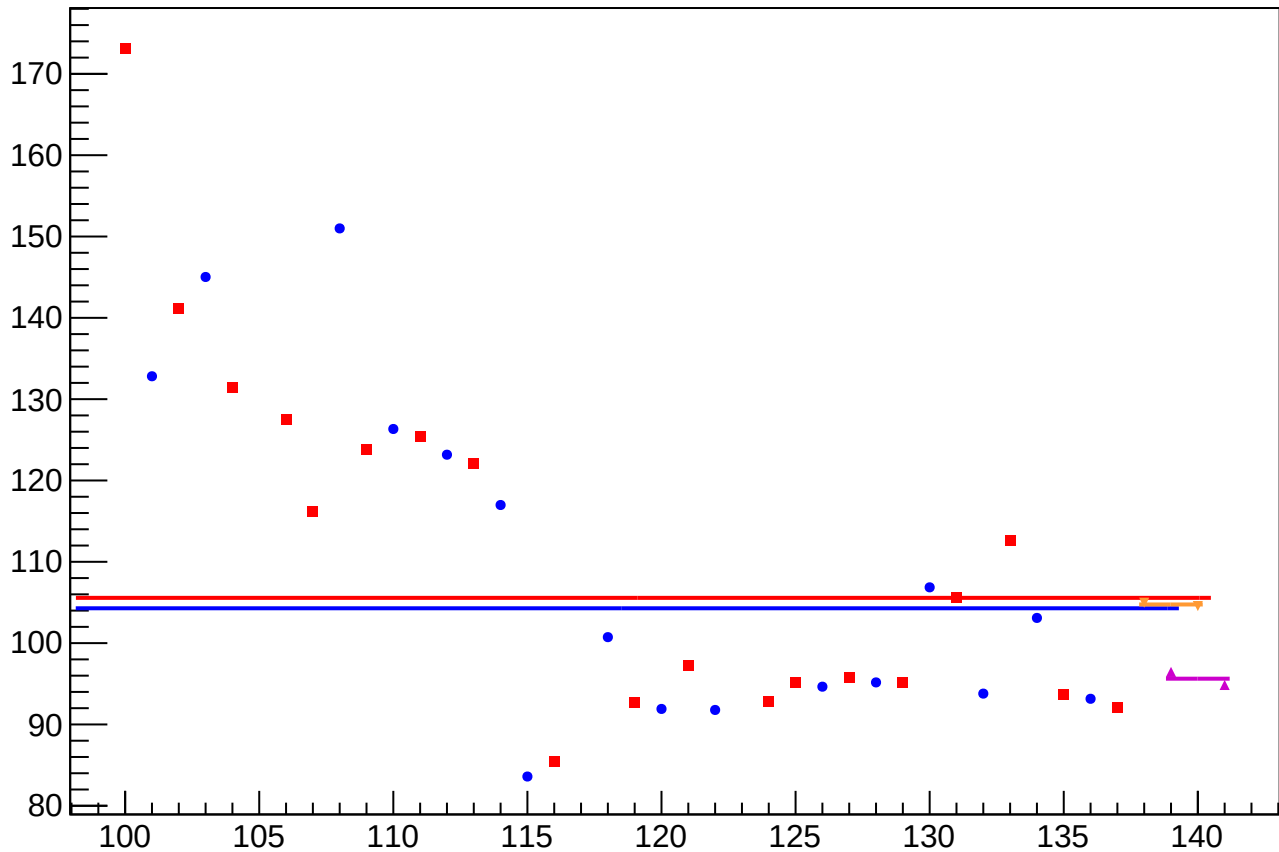
Left In: -25.168 ± 72.836 χ^2/NDF : 1.4/1

+ sign 121.813 ± 35.609 χ^2/NDF : 13.6/17

All: -0.460 ± 24.820 χ^2/NDF : 62.9/38

- sign -115.997 ± 34.614 χ^2/NDF : 26.4/20

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285 $\pm$ 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

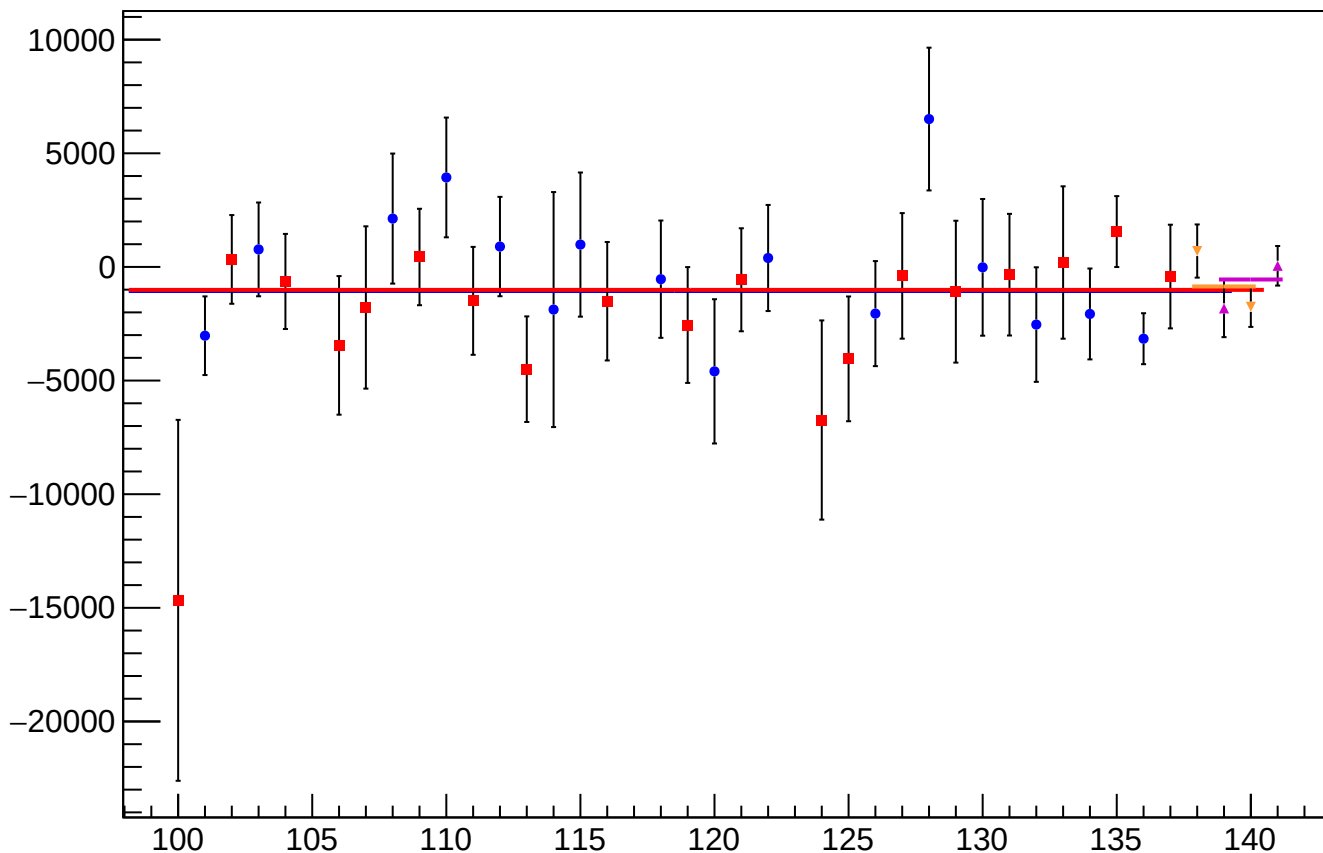
Left In: 95.628 $\pm$ 0.052 χ^2 /NDF:242.7/1

+ sign 104.372 $\pm$ 0.025 χ^2 /NDF: 378377.9/17

All: 103.832 $\pm$ 0.018 χ^2 /NDF: 752951.6/38

- sign 103.323 $\pm$ 0.024 χ^2 /NDF: 373680.8/20

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

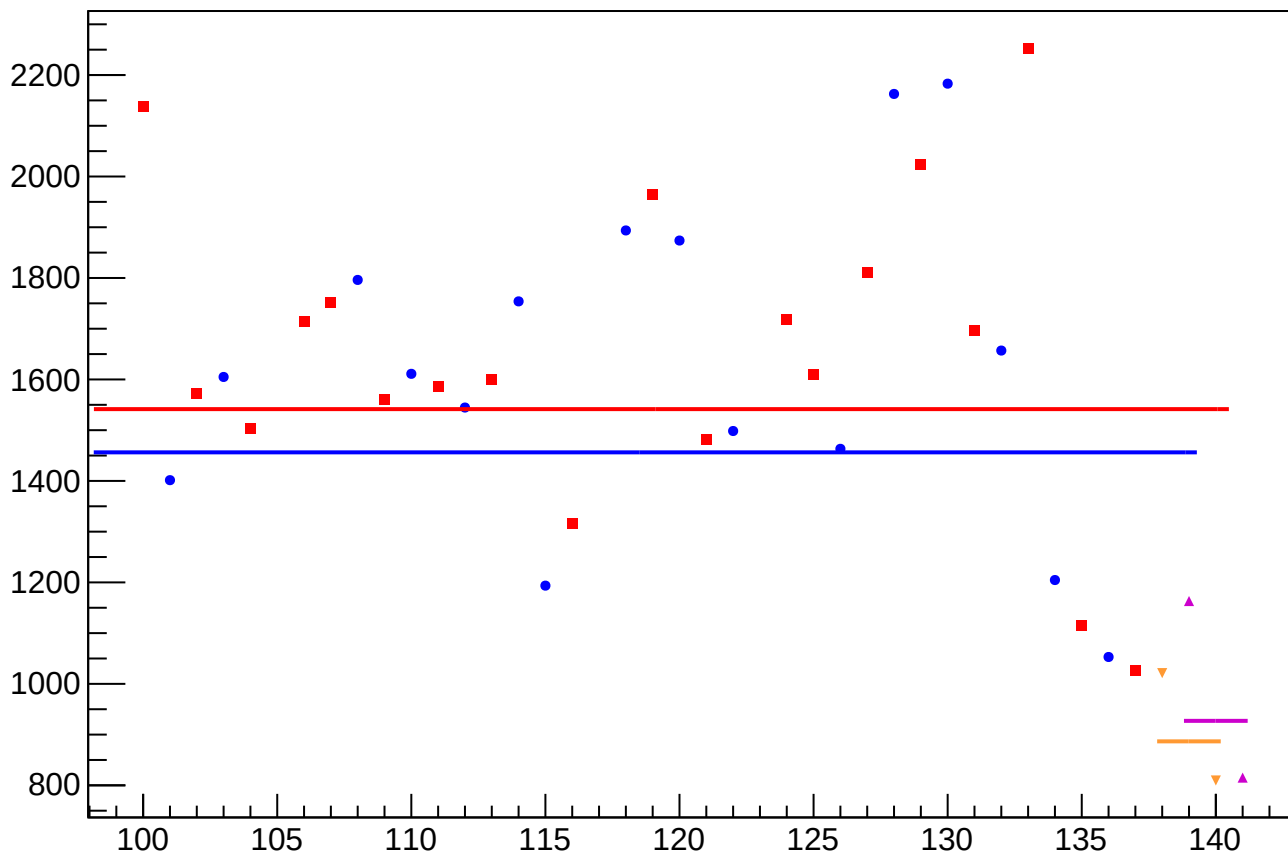
Left In: -552.606 $\pm$ 717.171 χ^2 /NDF: 1.5/1

+ sign -982.522 $\pm$ 437.680 χ^2 /NDF: 22.9/17

All: -908.604 $\pm$ 313.297 χ^2 /NDF: 38.0/38

- sign -830.932 $\pm$ 448.661 χ^2 /NDF: 15.0/20

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1456.301 $\pm$ 0.394 χ^2 /NDF: 684803.6/15

Left Out: 886.673 $\pm$ 0.499 χ^2 /NDF: 41570.3/1

Right Out: 1541.520 $\pm$ 0.407 χ^2 /NDF: 519336.6/18

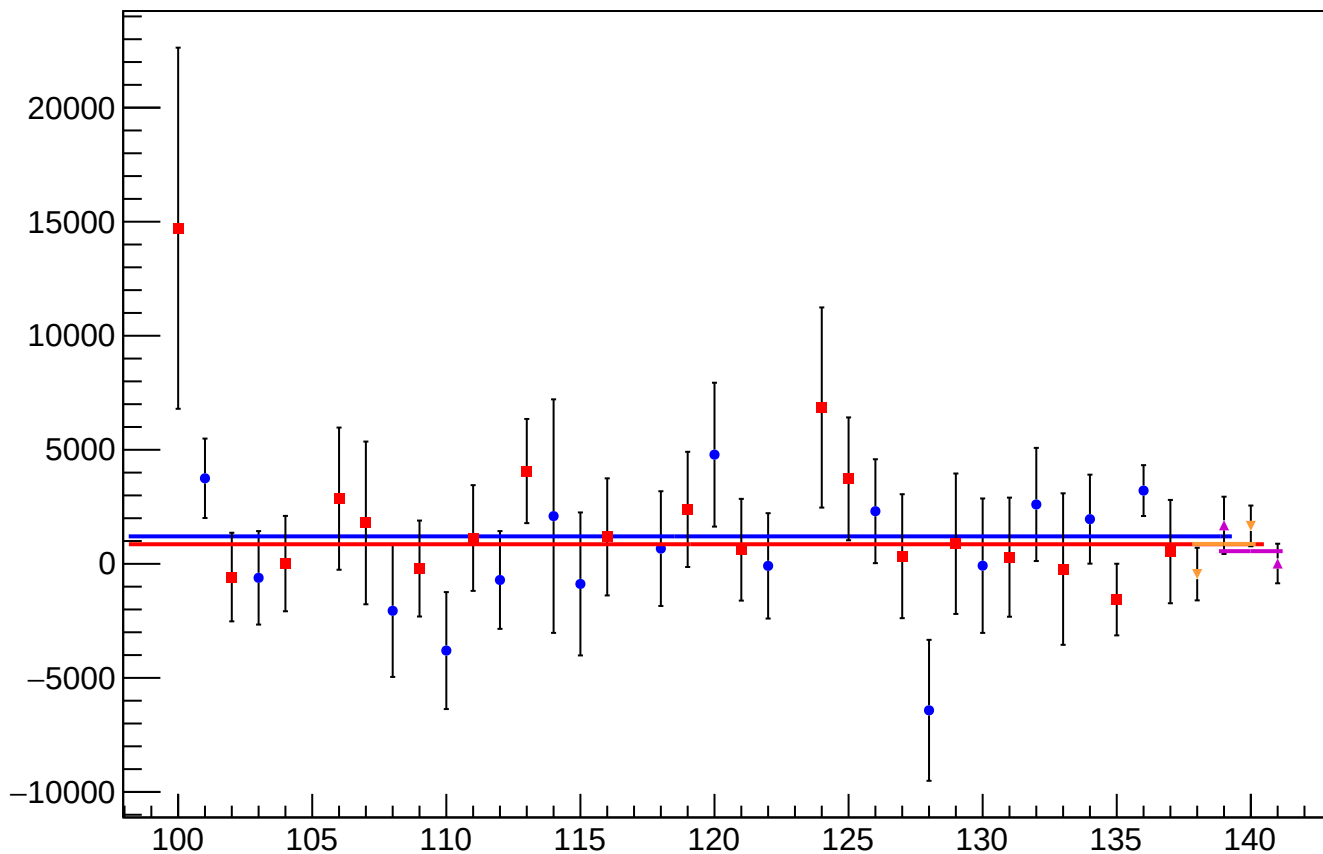
Left In: 927.094 $\pm$ 0.507 χ^2 /NDF: 102726.9/1

+ sign 1237.580 $\pm$ 0.309 χ^2 /NDF: 1527678.8/17

All: 1268.529 $\pm$ 0.222 χ^2 /NDF: 3063709.9/38

- sign 1301.050 $\pm$ 0.317 χ^2 /NDF: 1515522.7/20

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

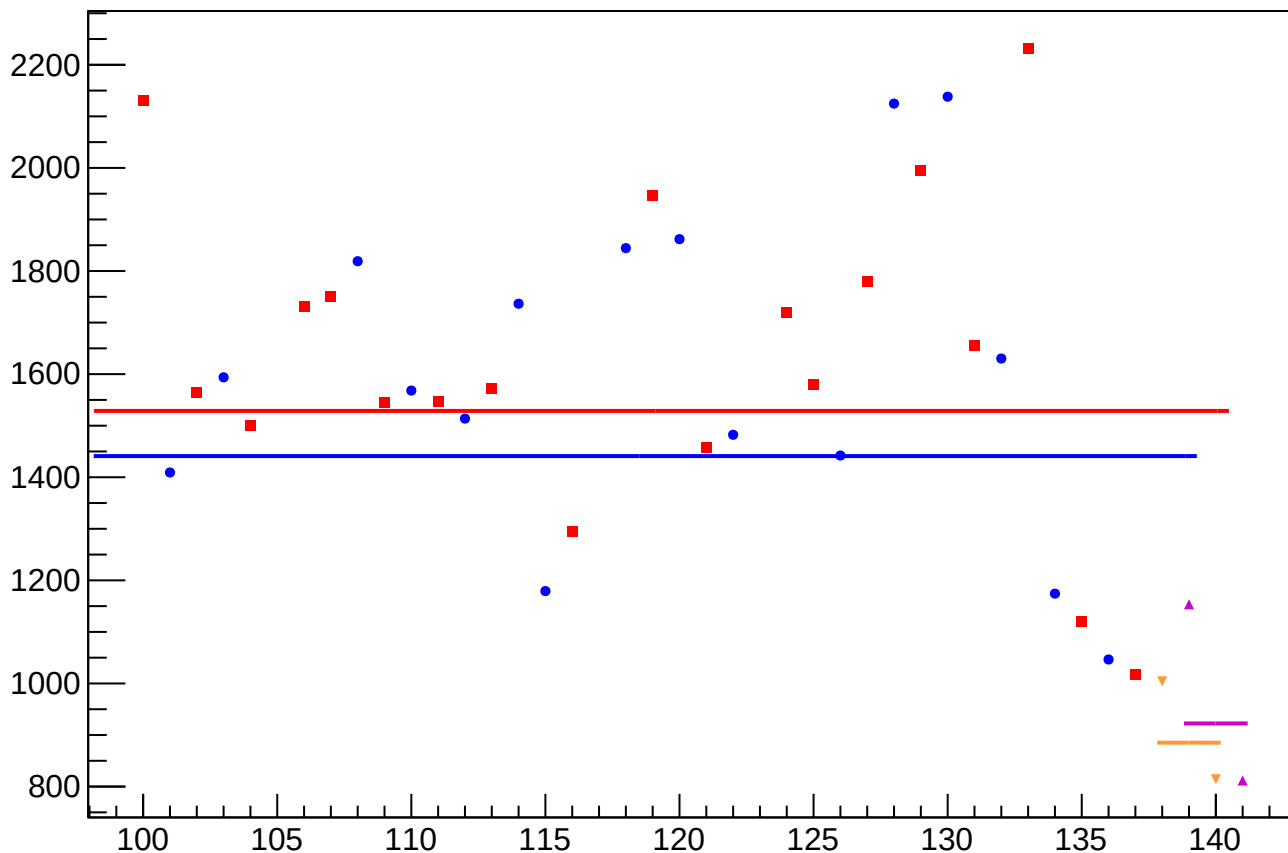
Left In: 556.120 $\pm$ 713.478 χ^2 /NDF: 1.2/1

+ sign 1078.839 $\pm$ 434.587 χ^2 /NDF: 23.4/17

All: 914.154 $\pm$ 311.093 χ^2 /NDF: 37.5/38

- sign 741.079 $\pm$ 445.520 χ^2 /NDF: 13.8/20

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF : 670674.6/15

Left Out: 885.228+/-0.499 χ^2/NDF : 33954.3/1

Right Out: 1528.652+/-0.403 χ^2/NDF : 501717.6/18

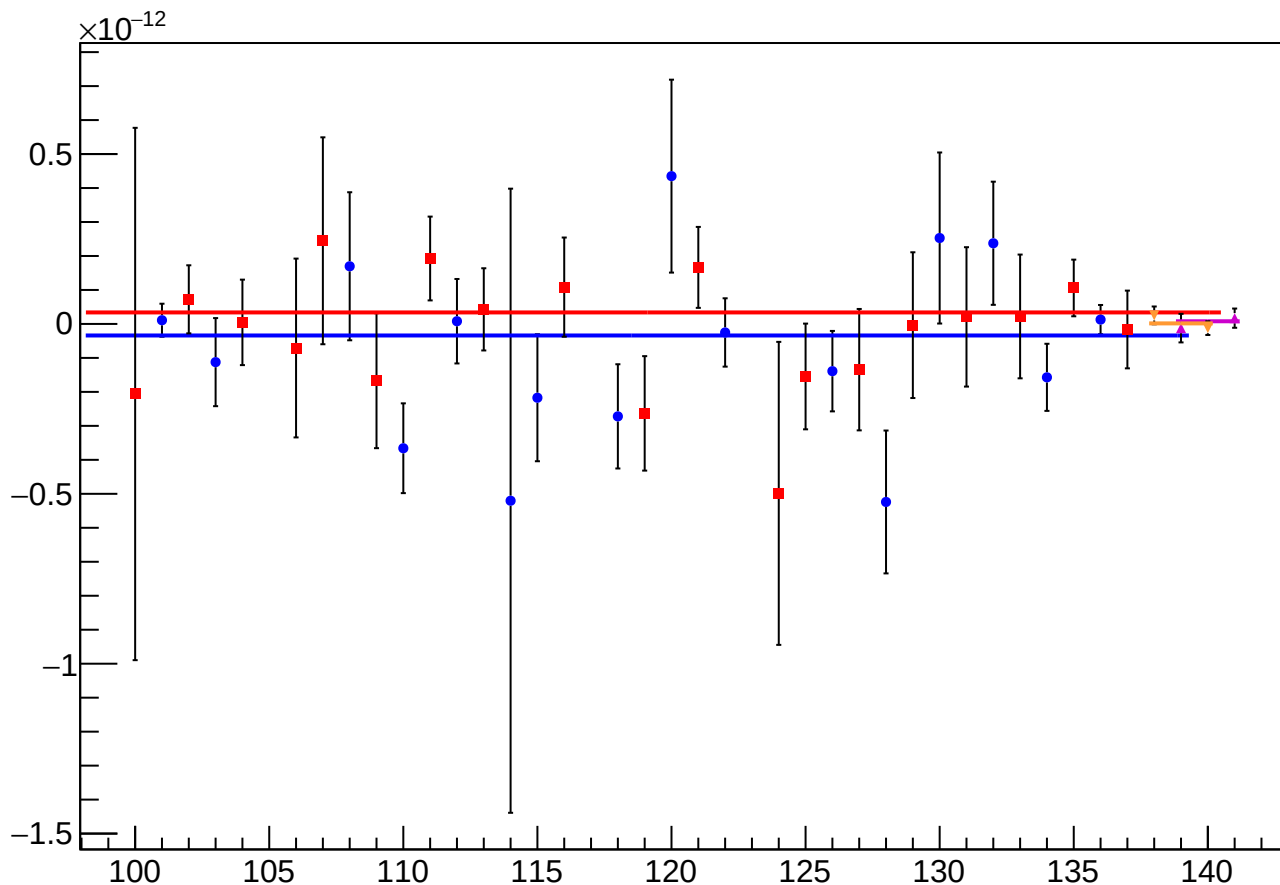
Left In: 922.367+/-0.505 χ^2/NDF : 100451.5/1

+ sign 1230.069+/-0.307 χ^2/NDF : 1474977.1/17

All: 1260.387+/-0.220 χ^2/NDF : 2978178.8/38

- sign 1292.251+/-0.315 χ^2/NDF : 1483237.4/20

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.3/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/18

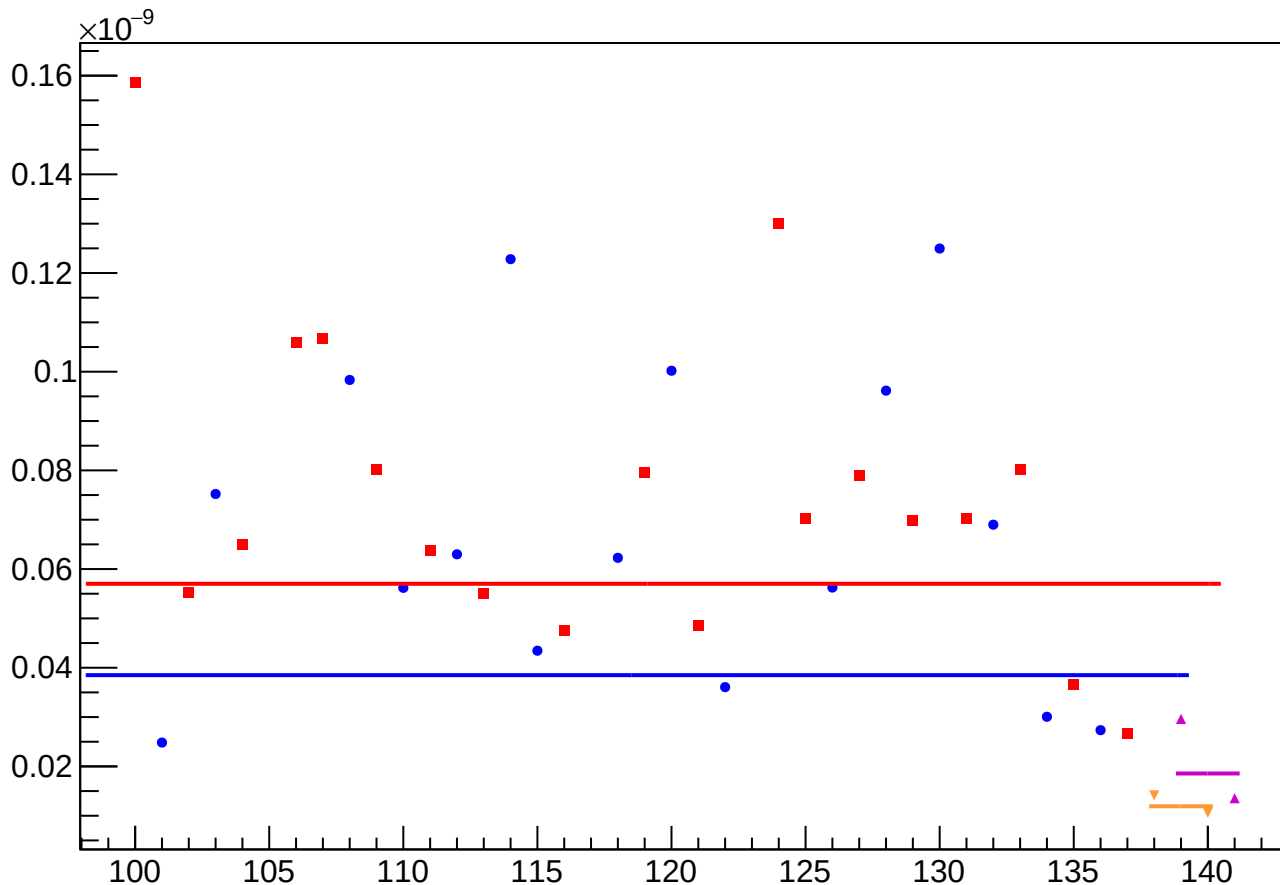
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/20

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

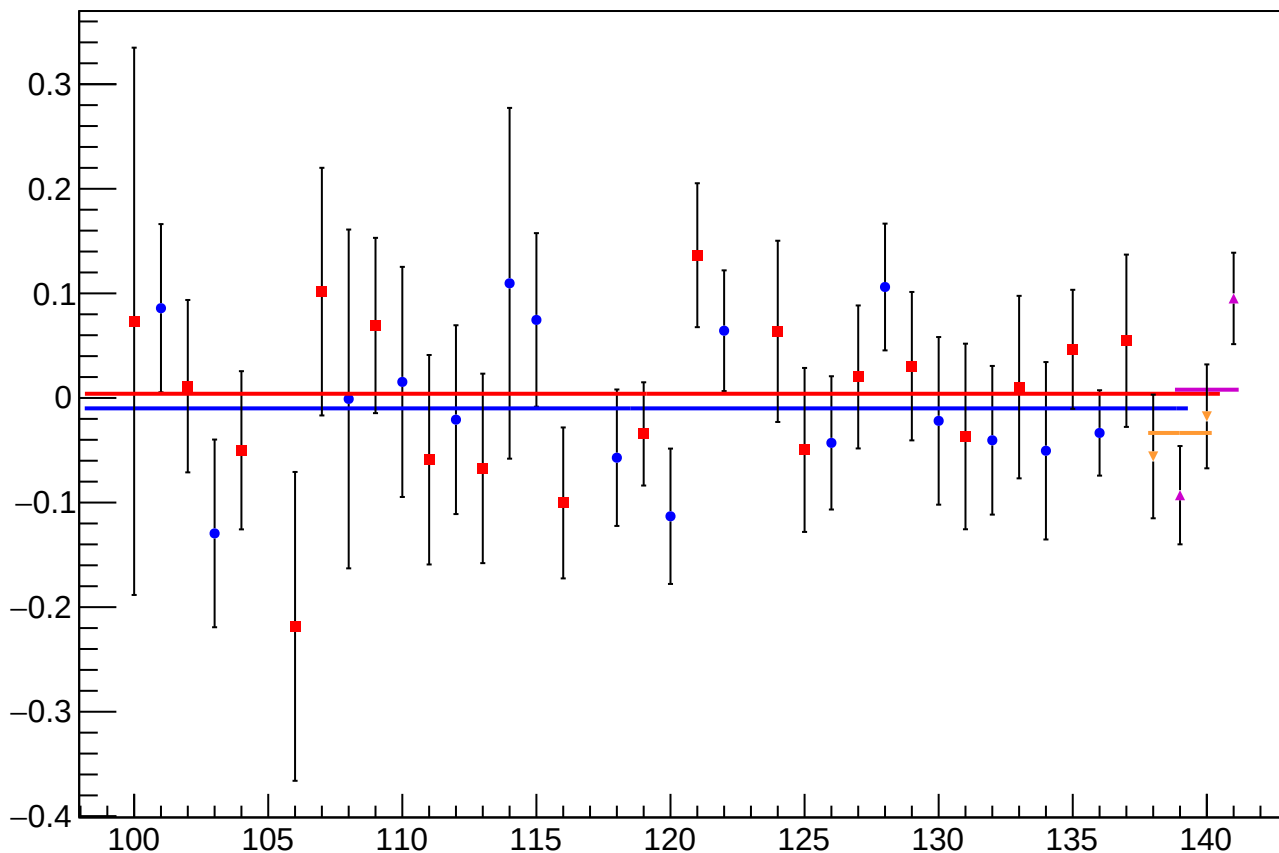
Left In: 0.000+/-0.000 χ^2/NDF : 201382.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3004864.2/17

All: 0.000+/-0.000 χ^2/NDF : 6089393.2/38

- sign 0.000+/-0.000 χ^2/NDF : 2608889.6/20

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 χ^2/NDF : 14.2/15

Left Out: -0.033 ± 0.038 χ^2/NDF : 0.2/1

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

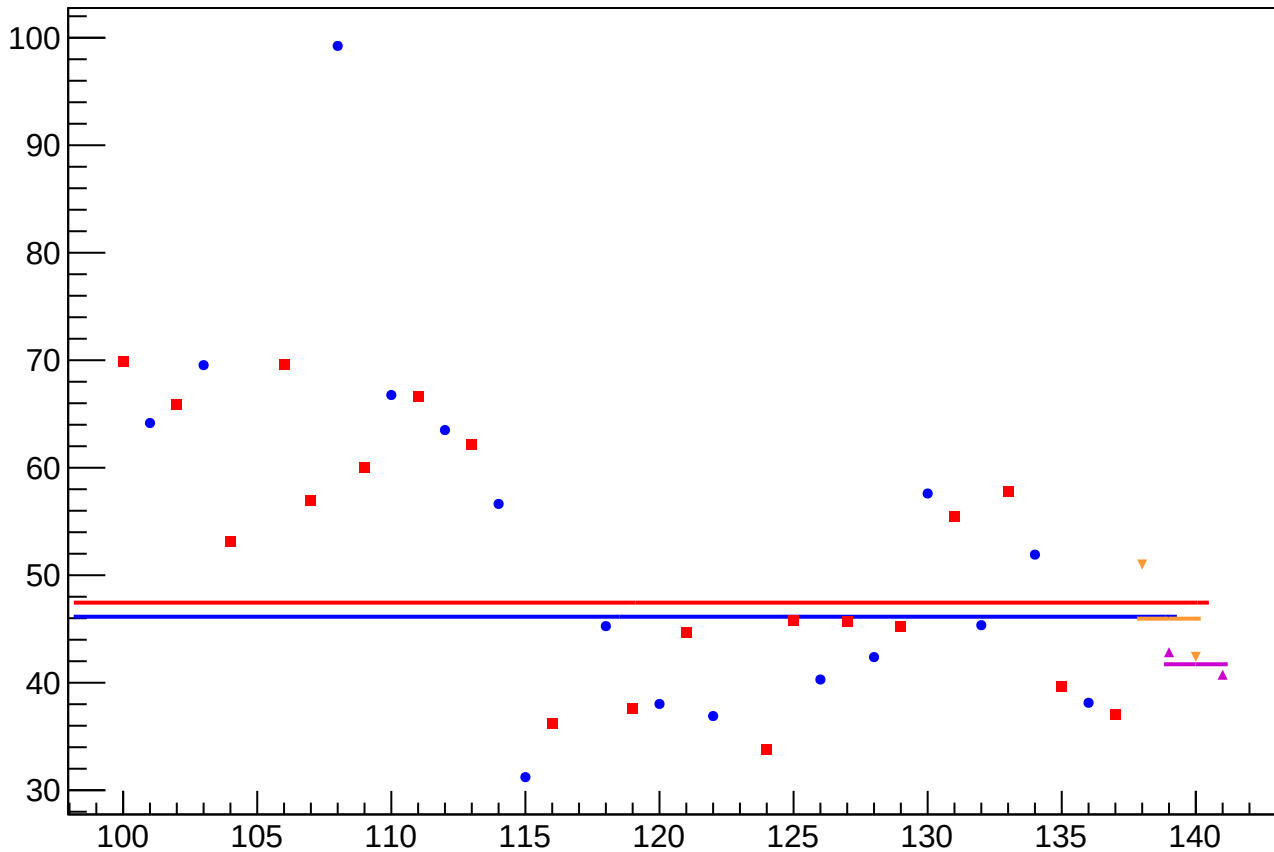
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.004 ± 0.011 χ^2/NDF : 38.0/38

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141 $\pm$ 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

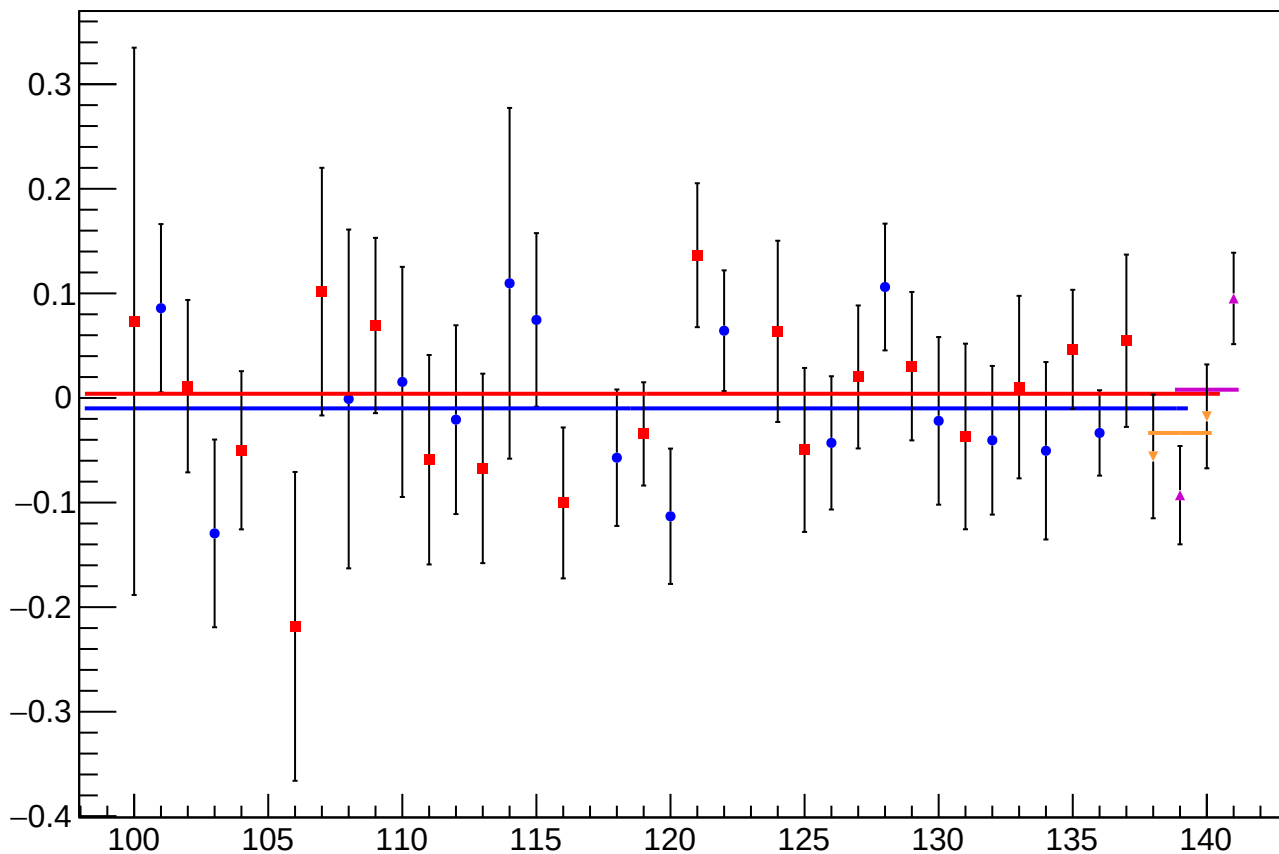
Left In: 41.718 $\pm$ 0.023 χ^2 /NDF: 2124.6/1

+ sign 46.108 $\pm$ 0.012 χ^2 /NDF: 928074.9/17

All: 46.084 $\pm$ 0.008 χ^2 /NDF: 1633515.1/38

- sign 46.061 $\pm$ 0.011 χ^2 /NDF: 705431.6/20

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

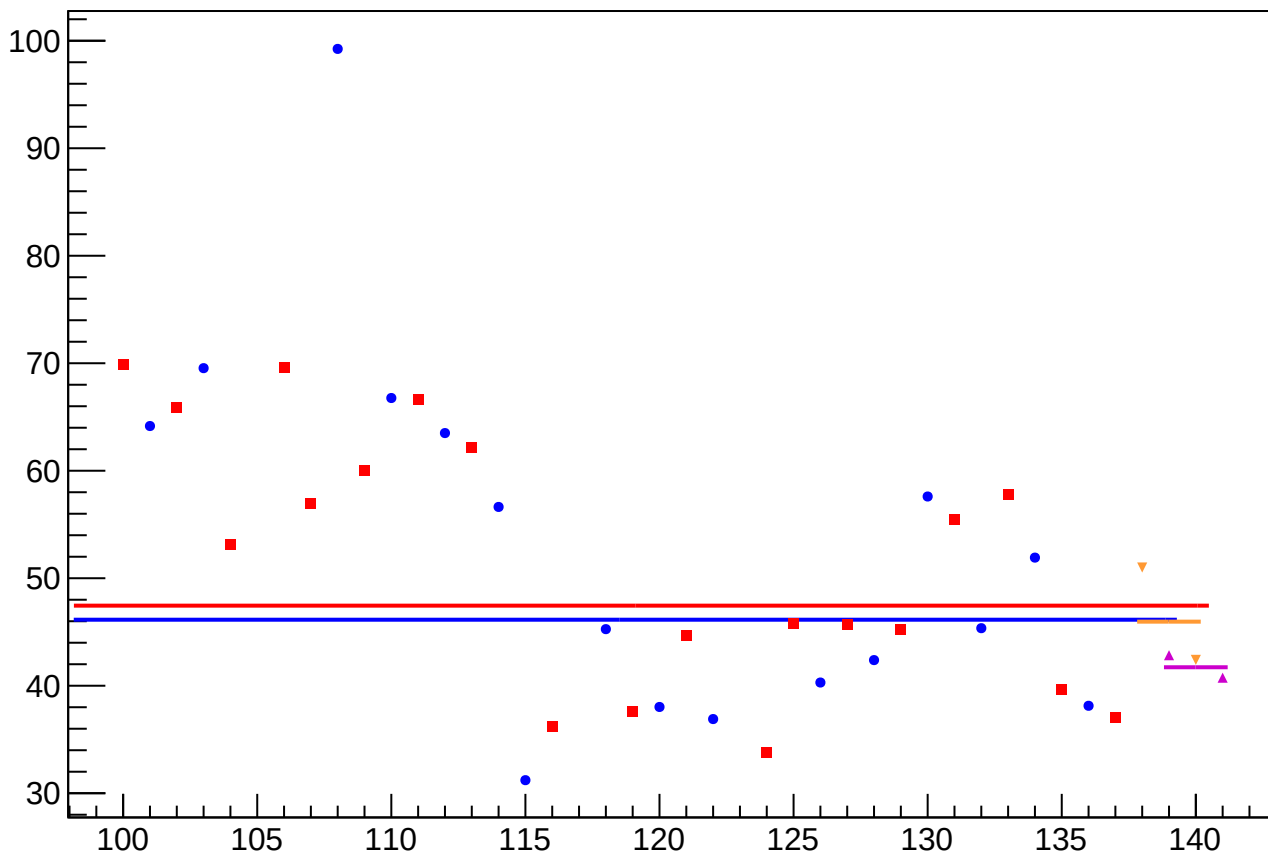
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.004 ± 0.011 χ^2/NDF : 38.0/38

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF : 903280.2/15

Left Out: 45.961+/-0.027 χ^2/NDF : 24758.0/1

Right Out: 47.450+/-0.013 χ^2/NDF : 654693.6/18

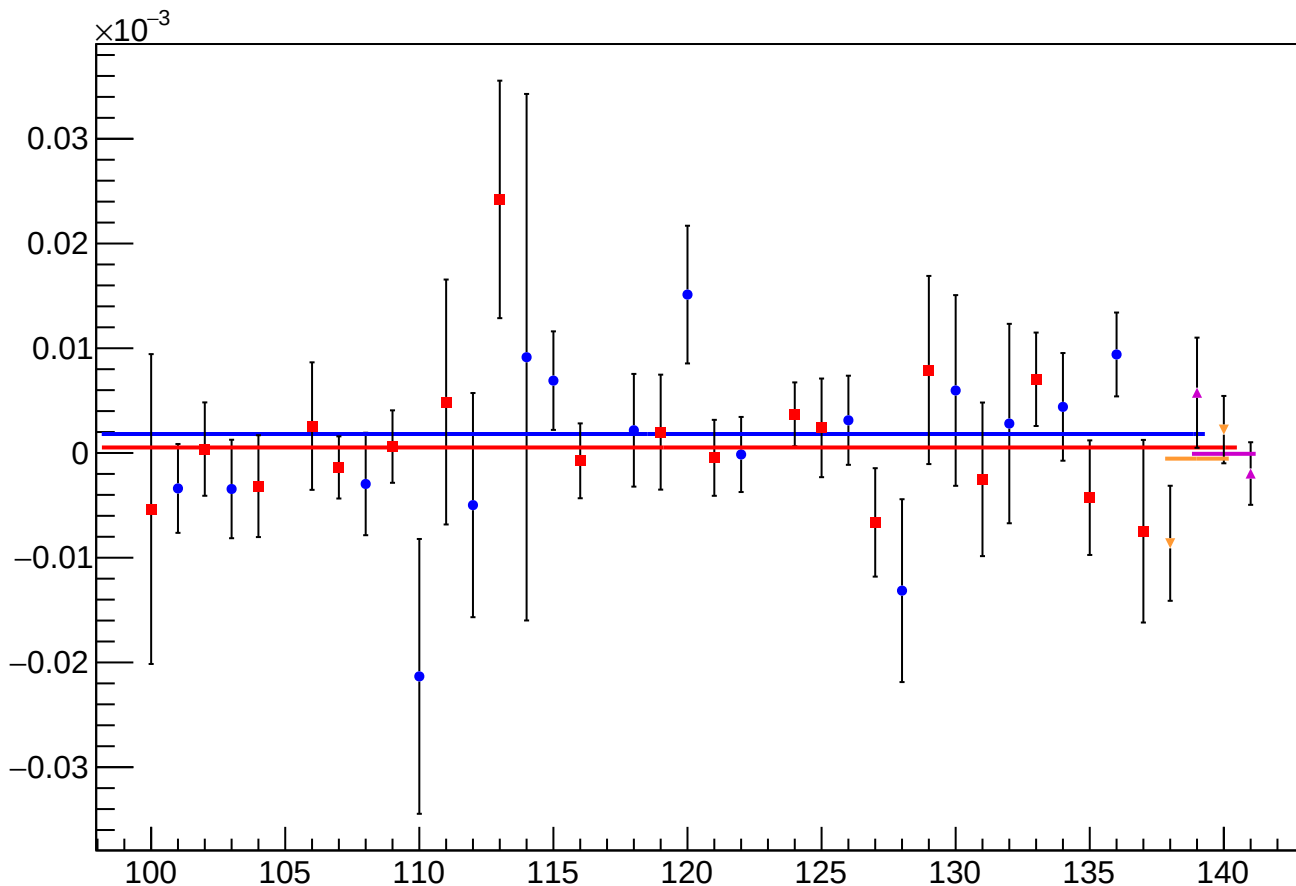
Left In: 41.718+/-0.023 χ^2/NDF : 2124.6/1

+ sign 46.108+/-0.012 χ^2/NDF : 928074.9/17

All: 46.084+/-0.008 χ^2/NDF : 1633515.1/38

- sign 46.061+/-0.011 χ^2/NDF : 705431.6/20

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

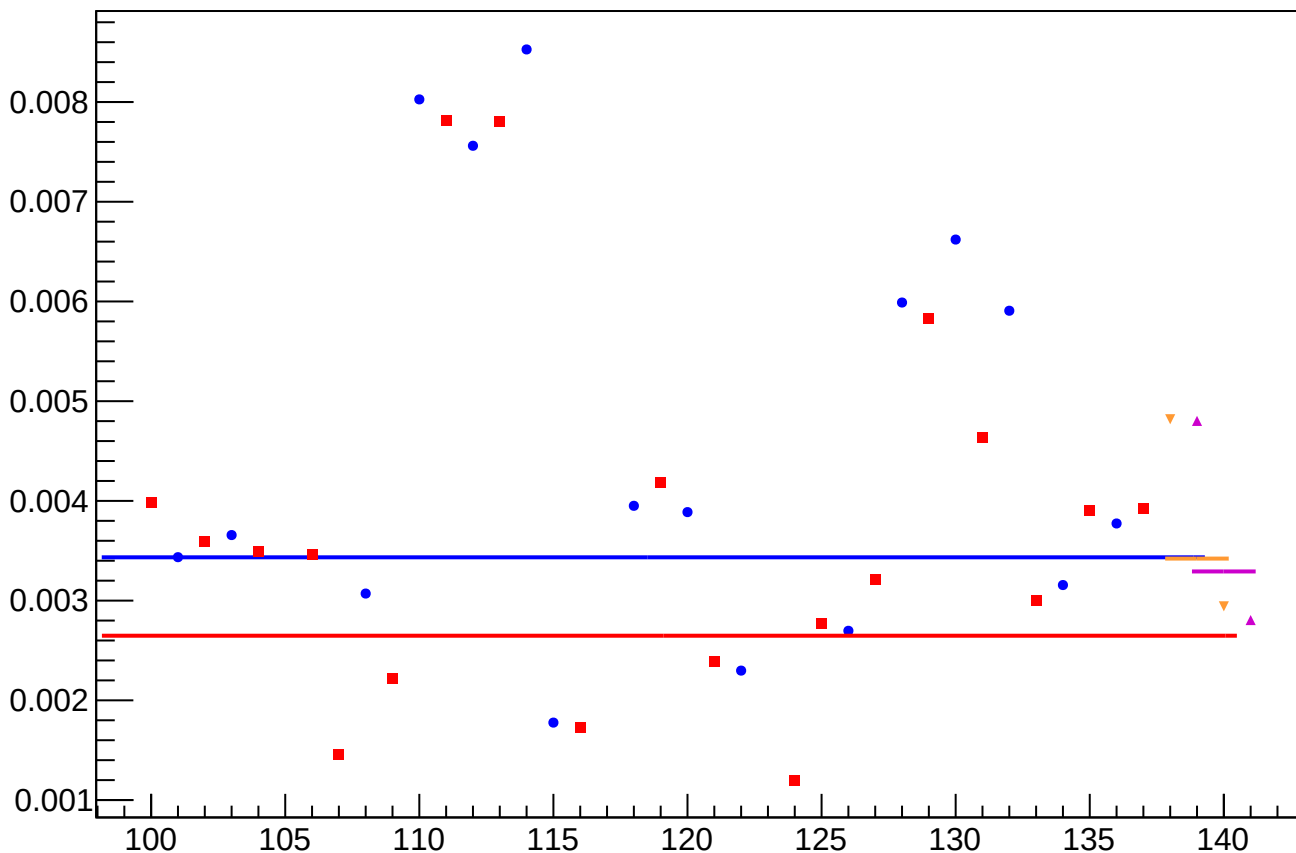
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.2/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/20

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

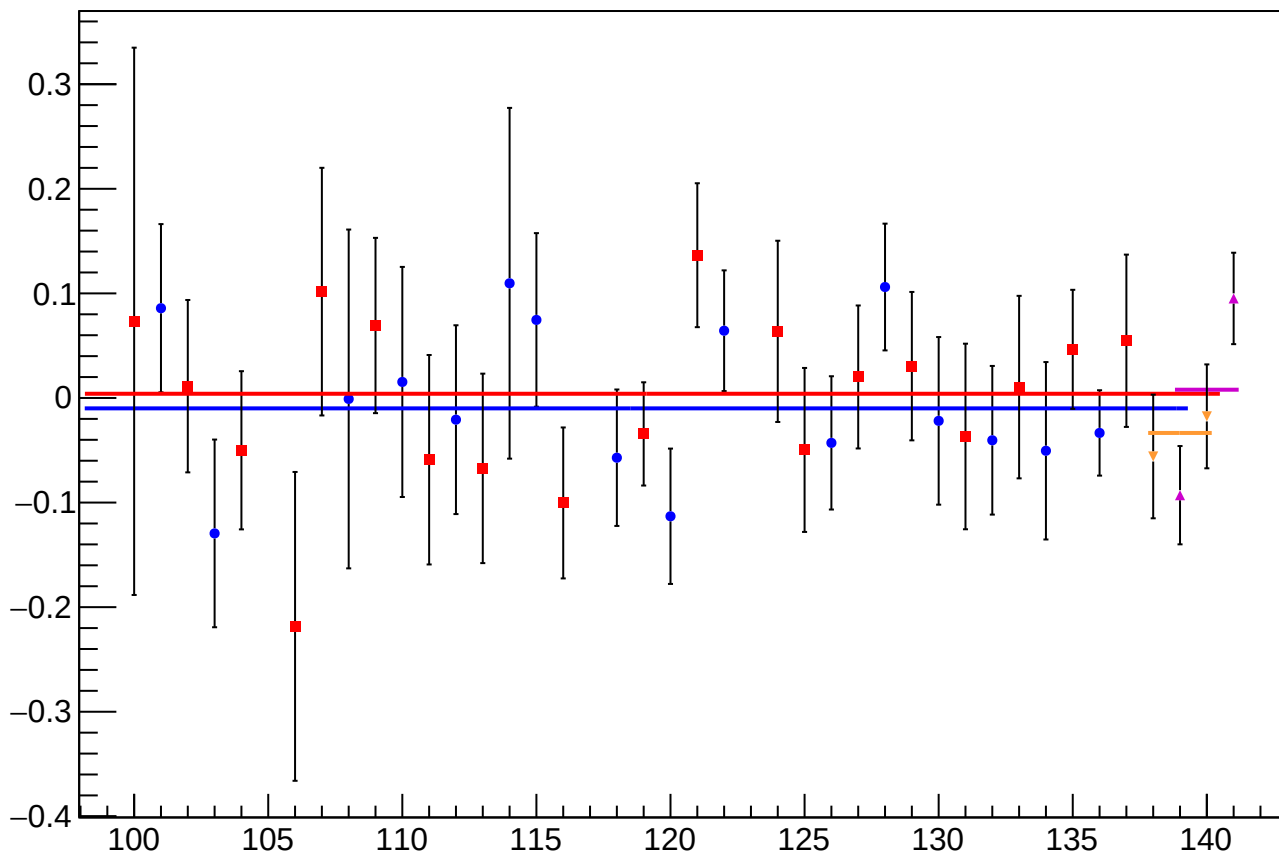
Left In: 0.003+/-0.000 χ^2/NDF :217959.7/1

+ sign 0.003+/-0.000 χ^2/NDF : 1922385.1/17

All: 0.003+/-0.000 χ^2/NDF : 5316325.3/38

- sign 0.003+/-0.000 χ^2/NDF : 3019454.6/20

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

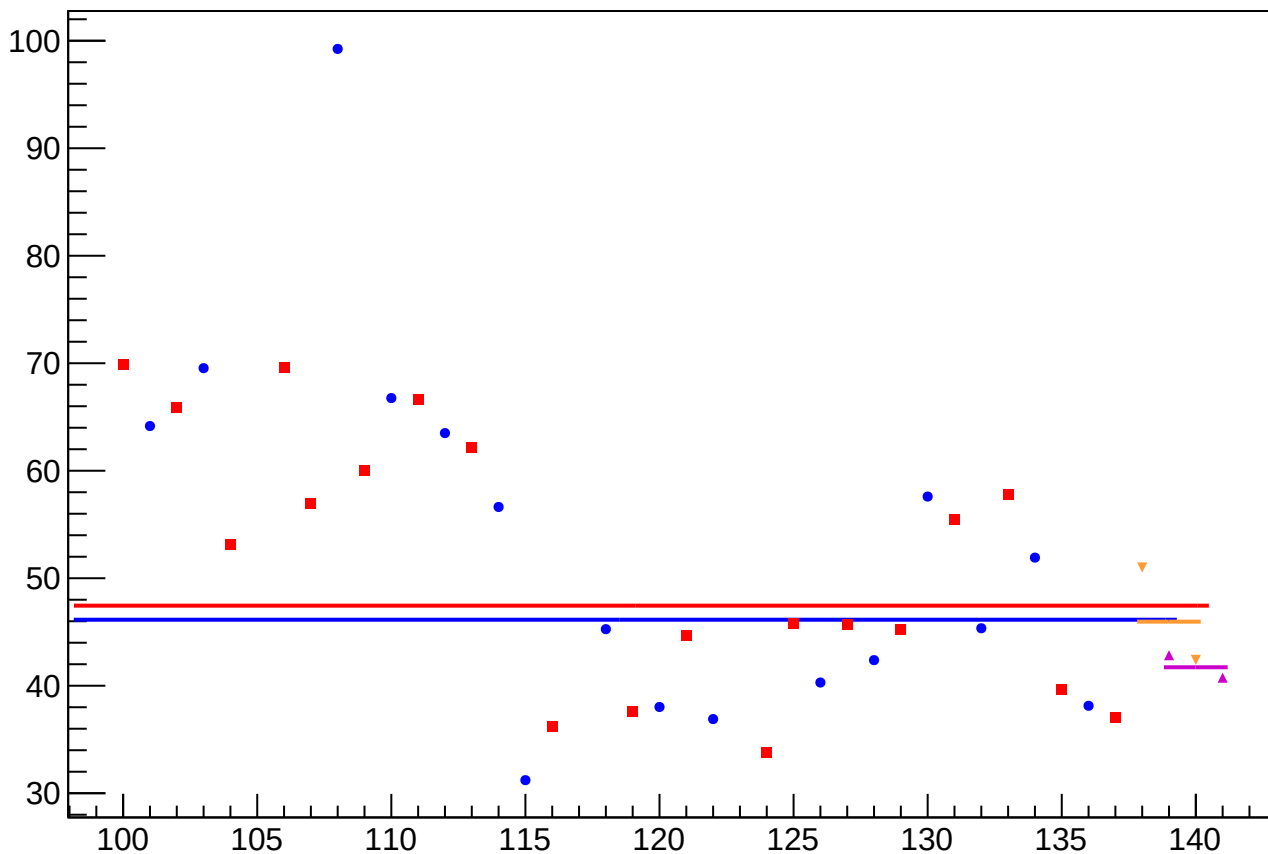
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.004 ± 0.011 χ^2/NDF : 38.0/38

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

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

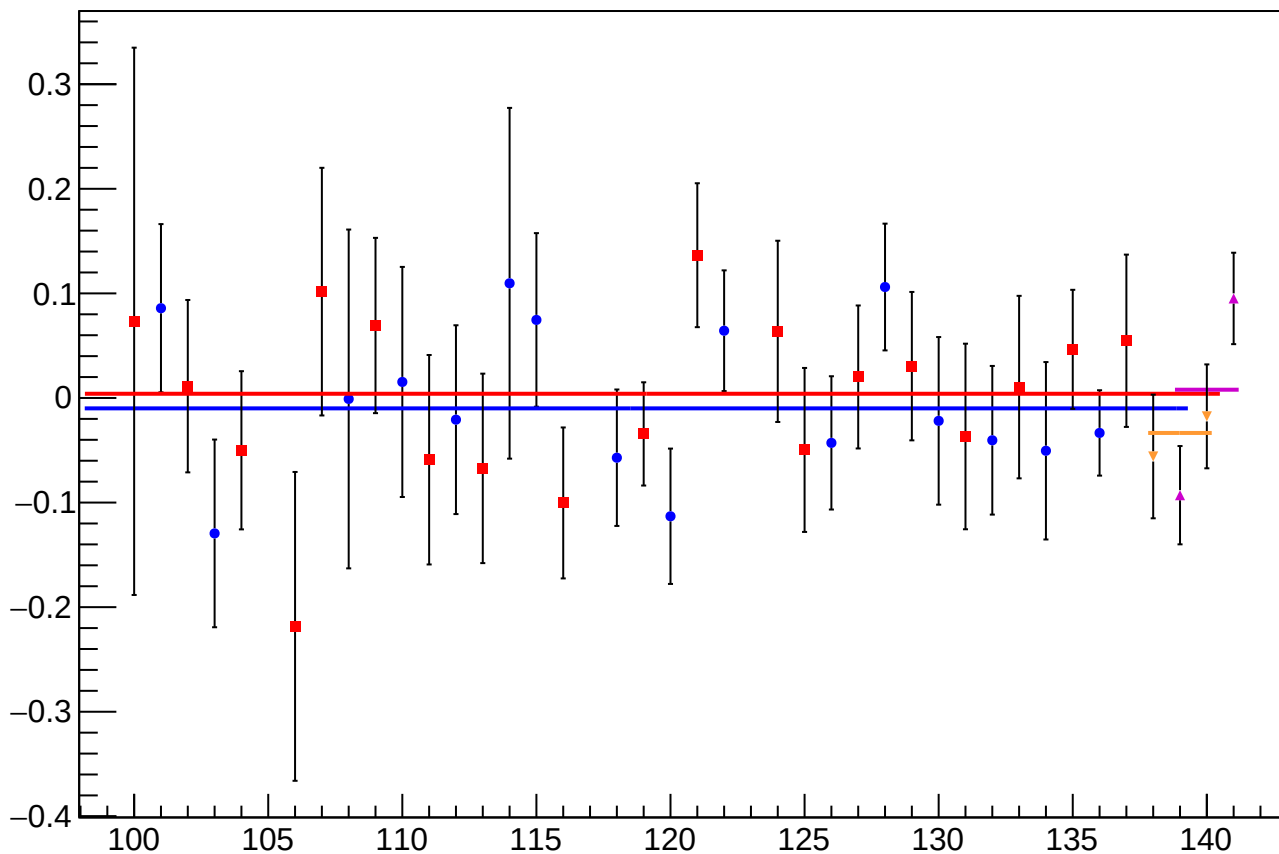
Left In: 41.718 $\pm$ 0.023 χ^2/NDF : 2122.4/1

+ sign 46.107 $\pm$ 0.012 χ^2/NDF : 928035.3/17

All: 46.083 $\pm$ 0.008 χ^2/NDF : 1633452.9/38

- sign 46.060 $\pm$ 0.011 χ^2/NDF : 705409.1/20

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

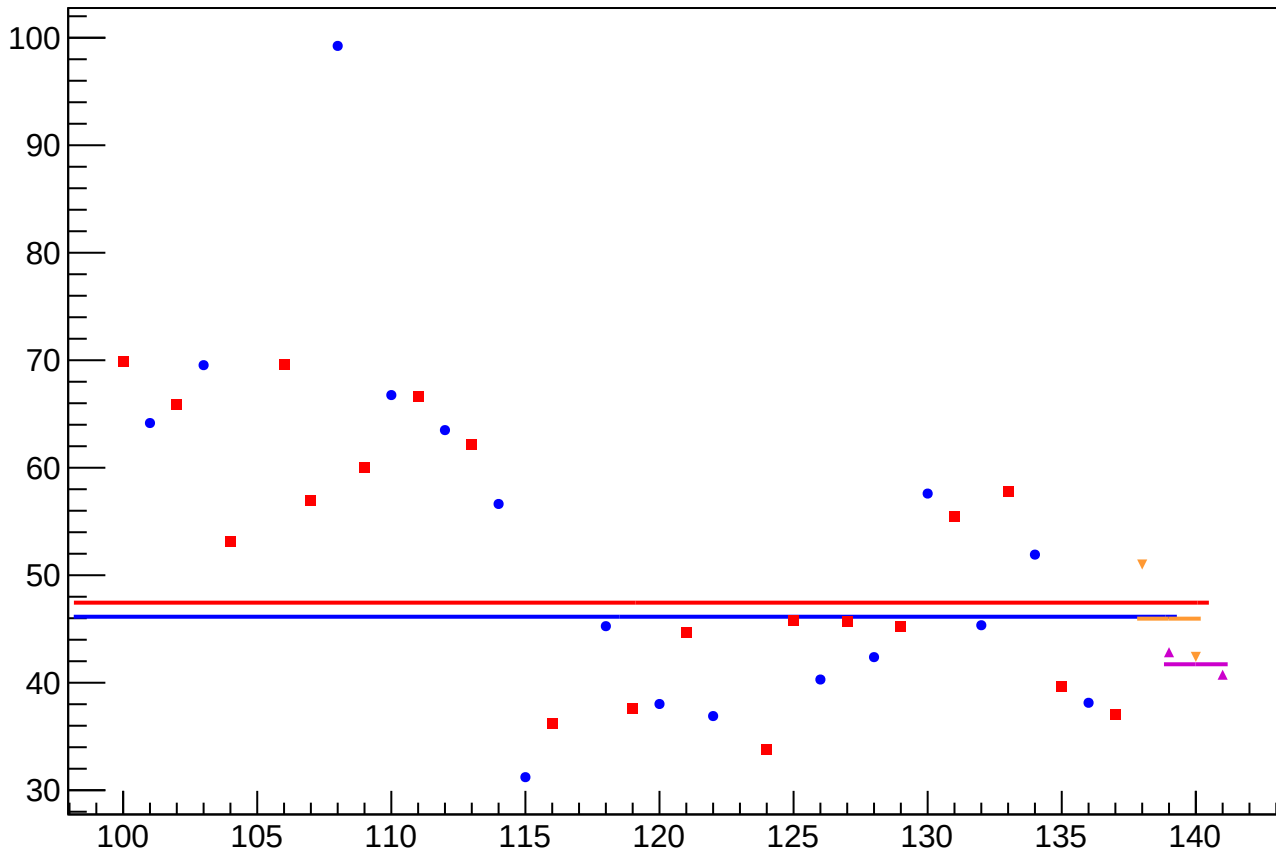
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.014 ± 0.016 χ^2/NDF : 14.8/17

All: -0.004 ± 0.011 χ^2/NDF : 38.0/38

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

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

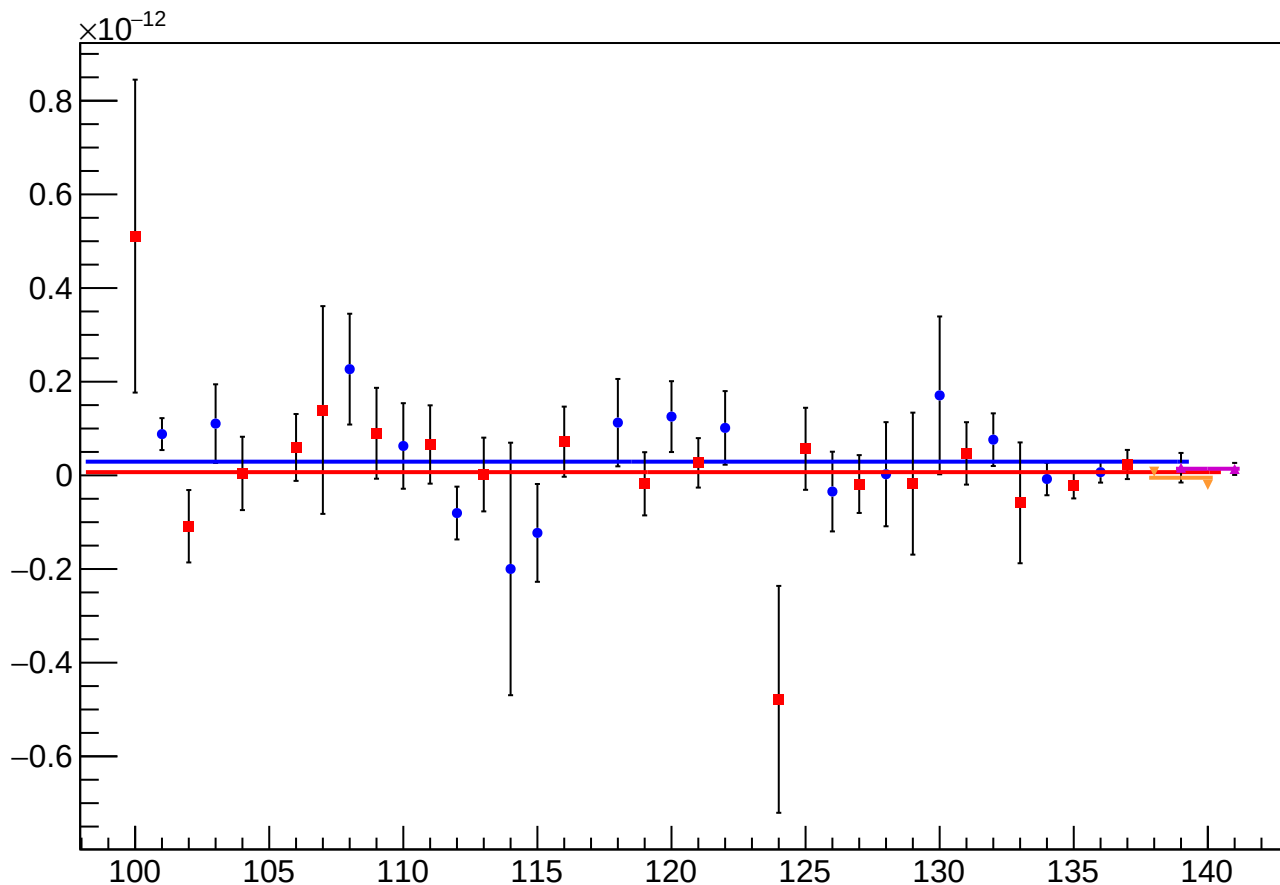
Left In: 41.718 $\pm$ 0.023 χ^2/NDF : 2122.4/1

+ sign 46.107 $\pm$ 0.012 χ^2/NDF : 928035.3/17

All: 46.083 $\pm$ 0.008 χ^2/NDF : 1633452.9/38

- sign 46.060 $\pm$ 0.011 χ^2/NDF : 705409.1/20

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

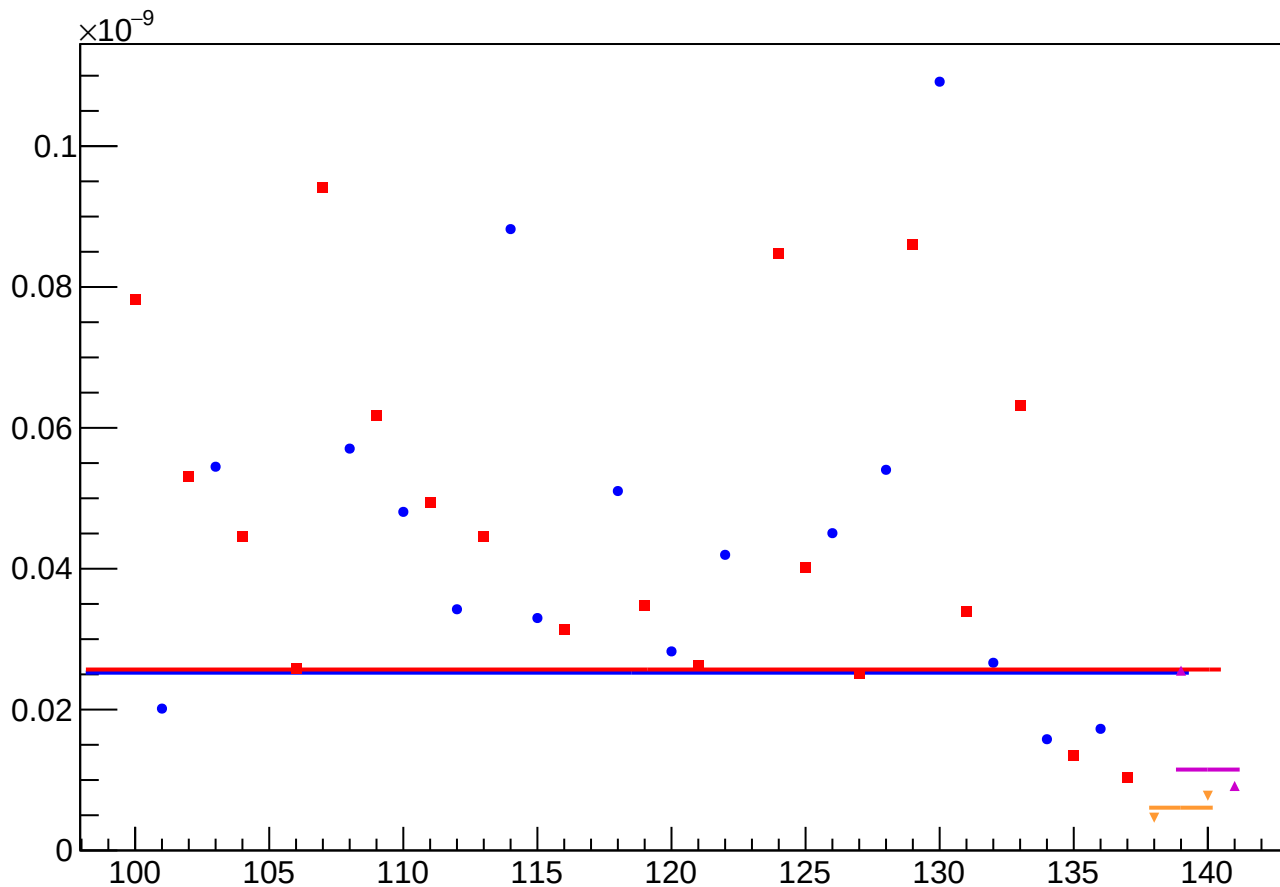
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/20

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

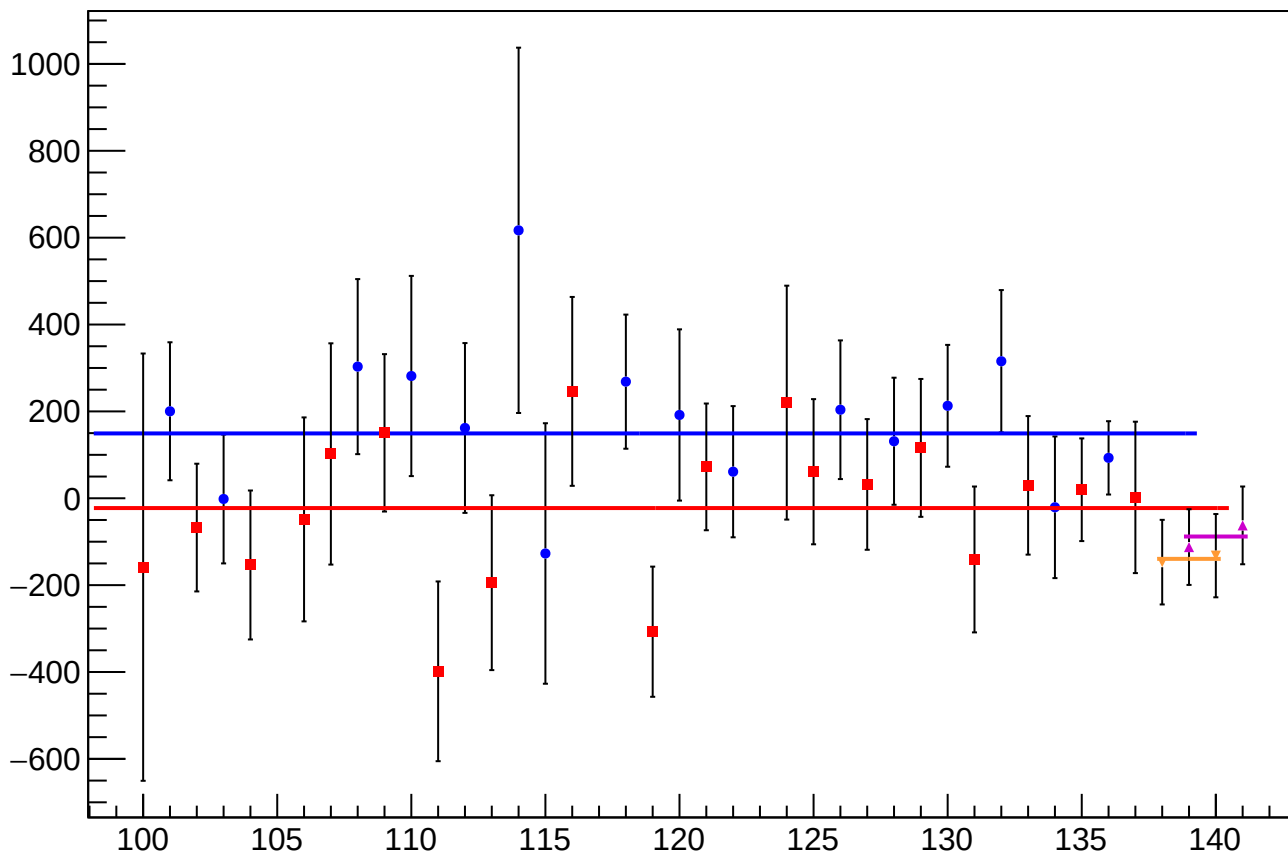
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :461482.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5353859.3/17

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10561356.5/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4413903.5/20

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

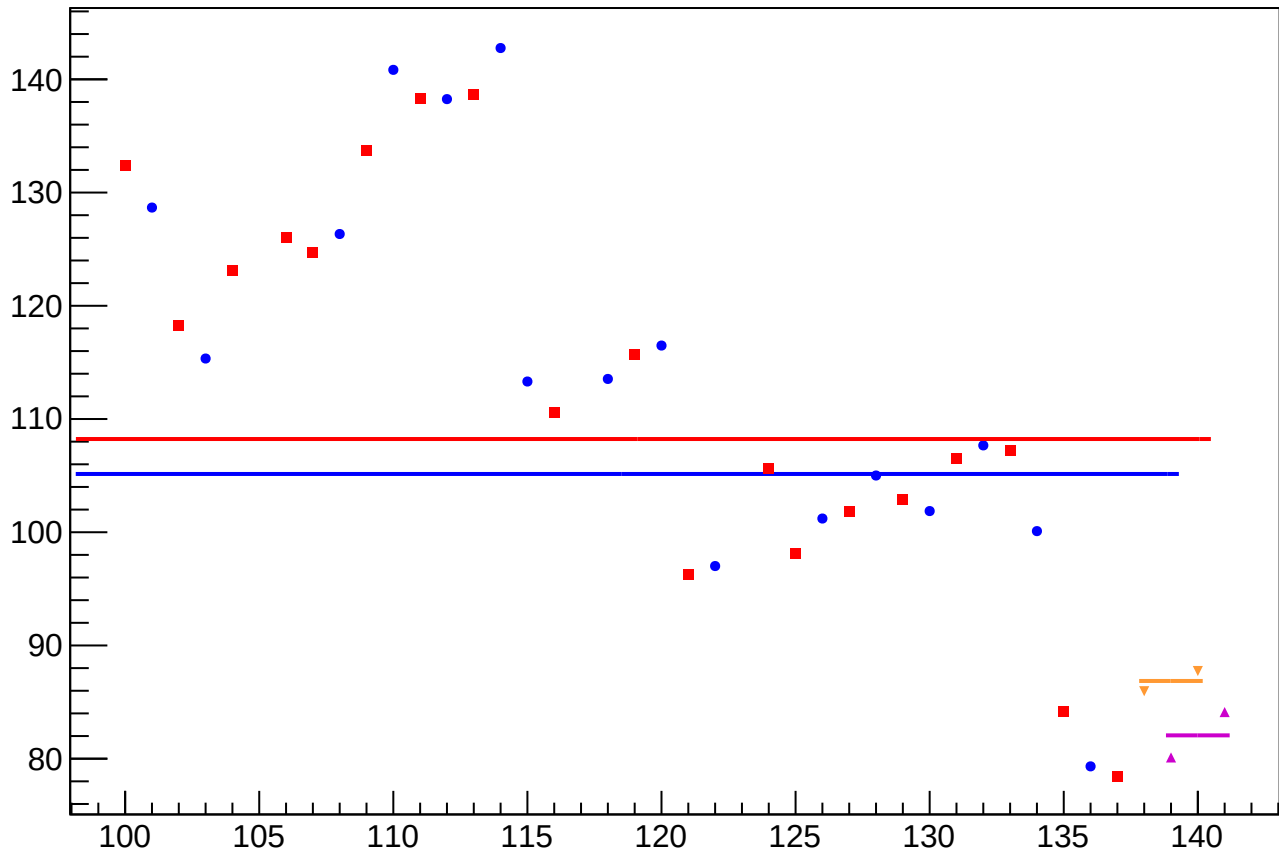
Left In: -88.060 $\pm$ 62.441 χ^2 /NDF: 0.2/1

+ sign 76.444 $\pm$ 34.318 χ^2 /NDF: 21.4/17

All: 16.382 $\pm$ 24.060 χ^2 /NDF: 42.6/38

- sign -41.679 $\pm$ 33.741 χ^2 /NDF: 15.2/20

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

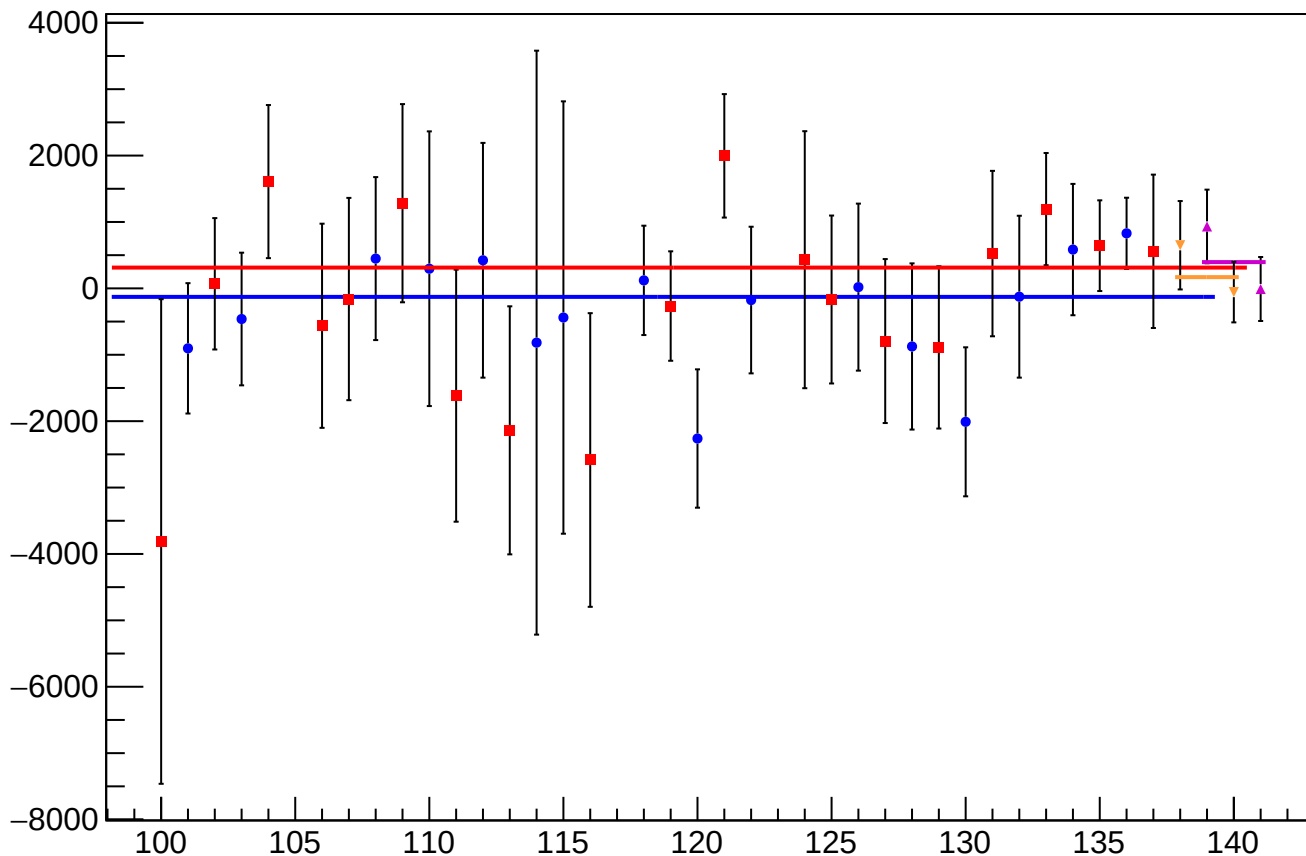
Left In: 82.061 $\pm$ 0.044 χ^2 /NDF:2058.5/1

+ sign 100.534 $\pm$ 0.024 χ^2 /NDF: 515809.9/17

All: 100.563 $\pm$ 0.017 χ^2 /NDF: 1116581.8/38

- sign 100.590 $\pm$ 0.024 χ^2 /NDF: 600769.1/20

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

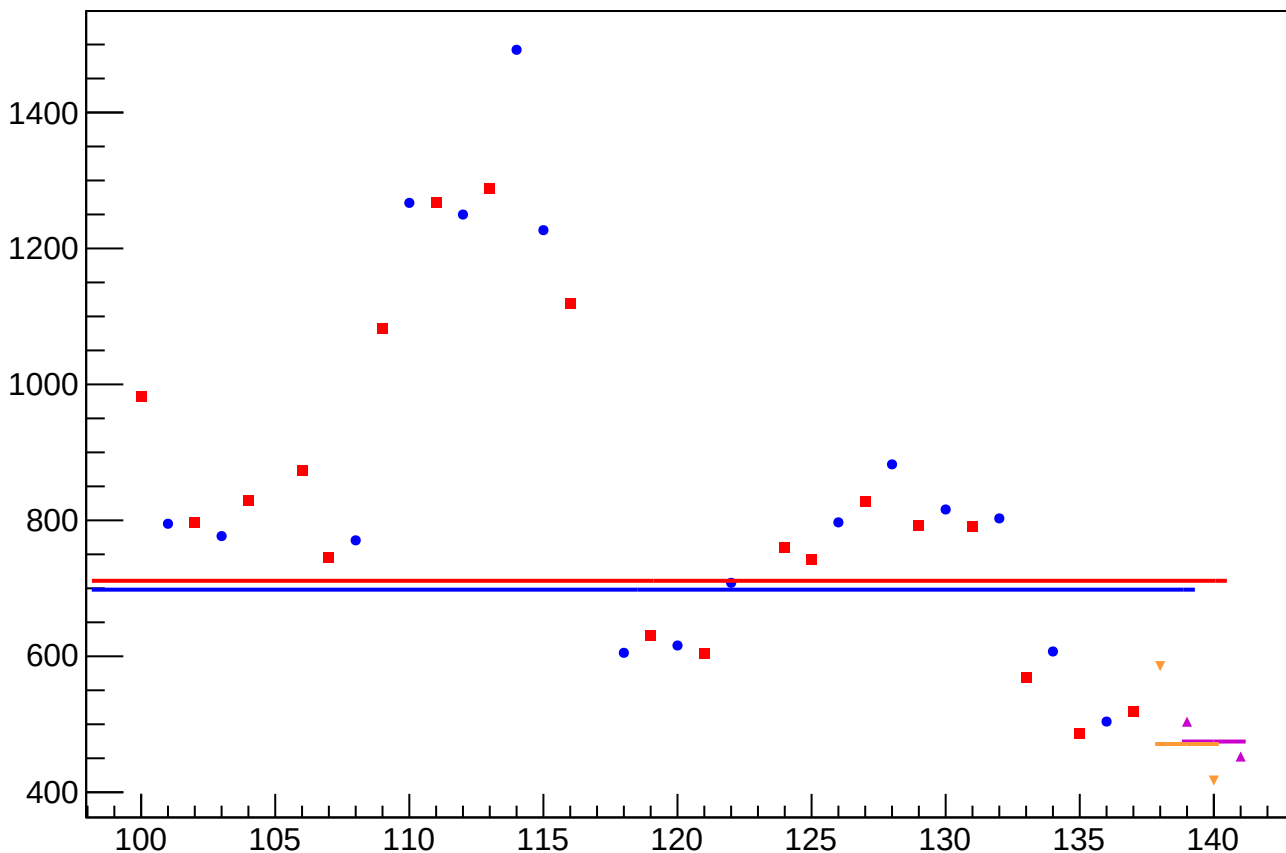
Left In: 395.803 $\pm$ 363.642 χ^2 /NDF: 1.6/1

+ sign -27.681 $\pm$ 218.611 χ^2 /NDF: 13.5/17

All: 158.891 $\pm$ 153.954 χ^2 /NDF: 31.6/38

- sign 342.465 $\pm$ 216.847 χ^2 /NDF: 16.7/20

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912851.5/15

Left Out: 470.960+/-0.266 χ^2/NDF : 87036.1/1

Right Out: 711.088+/-0.191 χ^2/NDF : 1035118.4/18

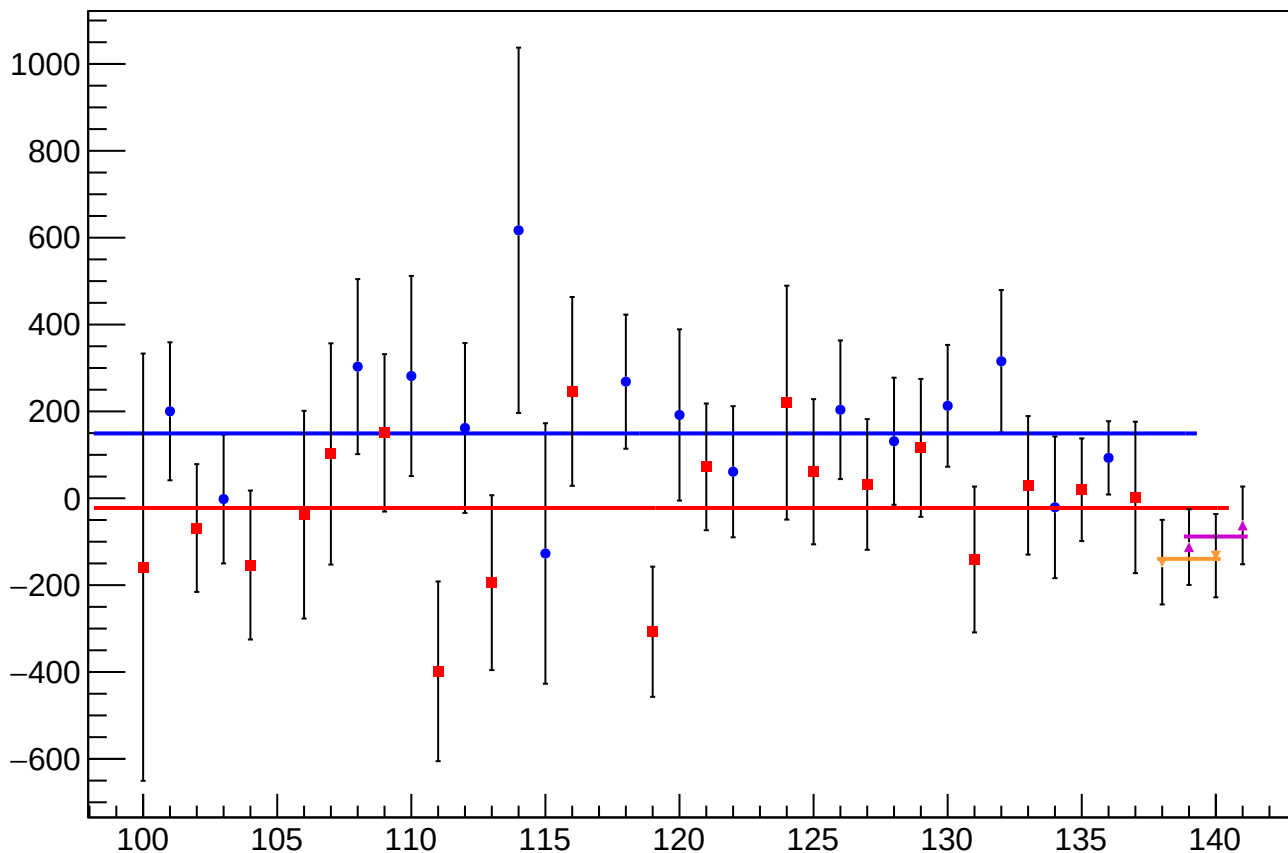
Left In: 474.623+/-0.257 χ^2/NDF : 9742.9/1

+ sign 621.379+/-0.155 χ^2/NDF : 1482555.8/17

All: 624.213+/-0.109 χ^2/NDF : 3073053.0/38

- sign 627.002+/-0.153 χ^2/NDF : 1589830.2/20

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

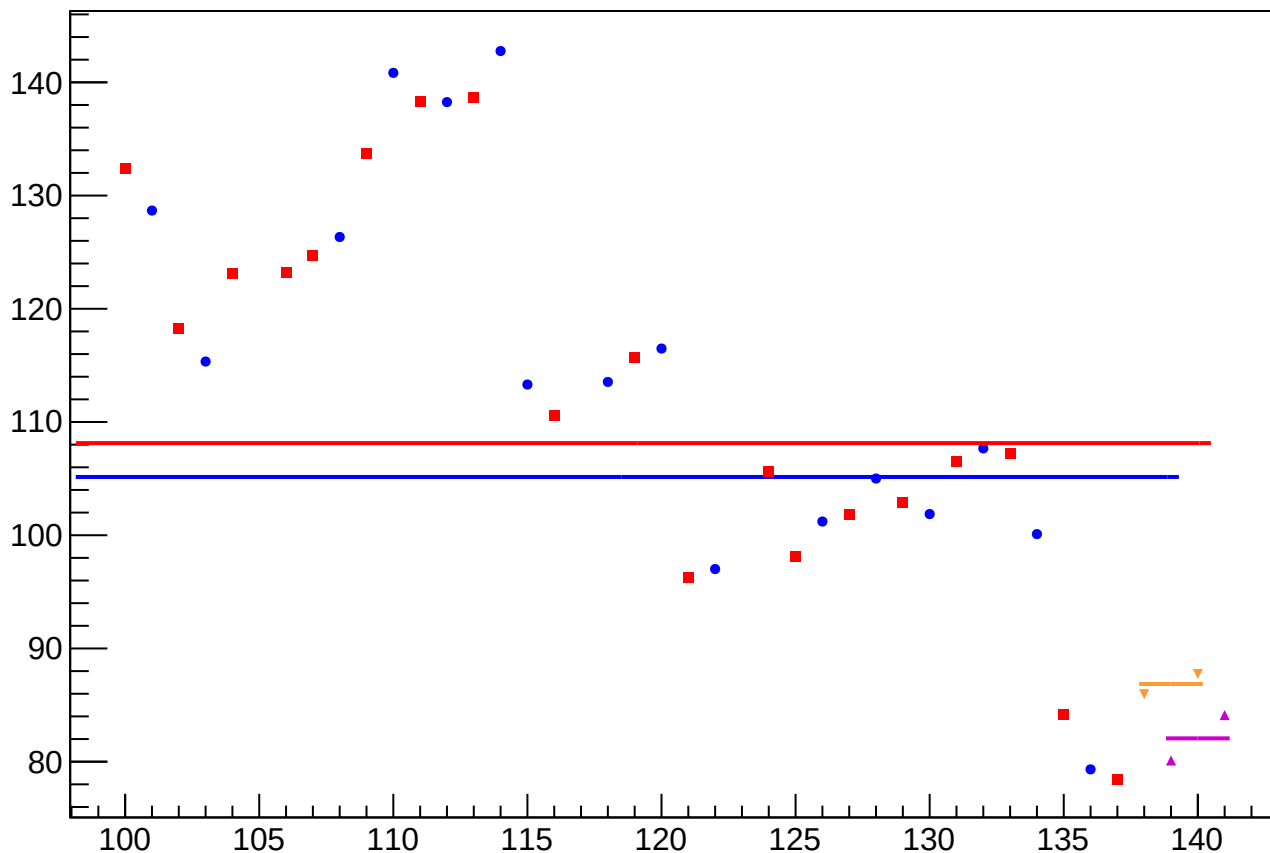
Left In: -88.063 $\pm$ 62.441 χ^2 /NDF: 0.2/1

+ sign 76.435 $\pm$ 34.318 χ^2 /NDF: 21.4/17

All: 16.484 $\pm$ 24.065 χ^2 /NDF: 42.6/38

- sign -41.516 $\pm$ 33.755 χ^2 /NDF: 15.2/20

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

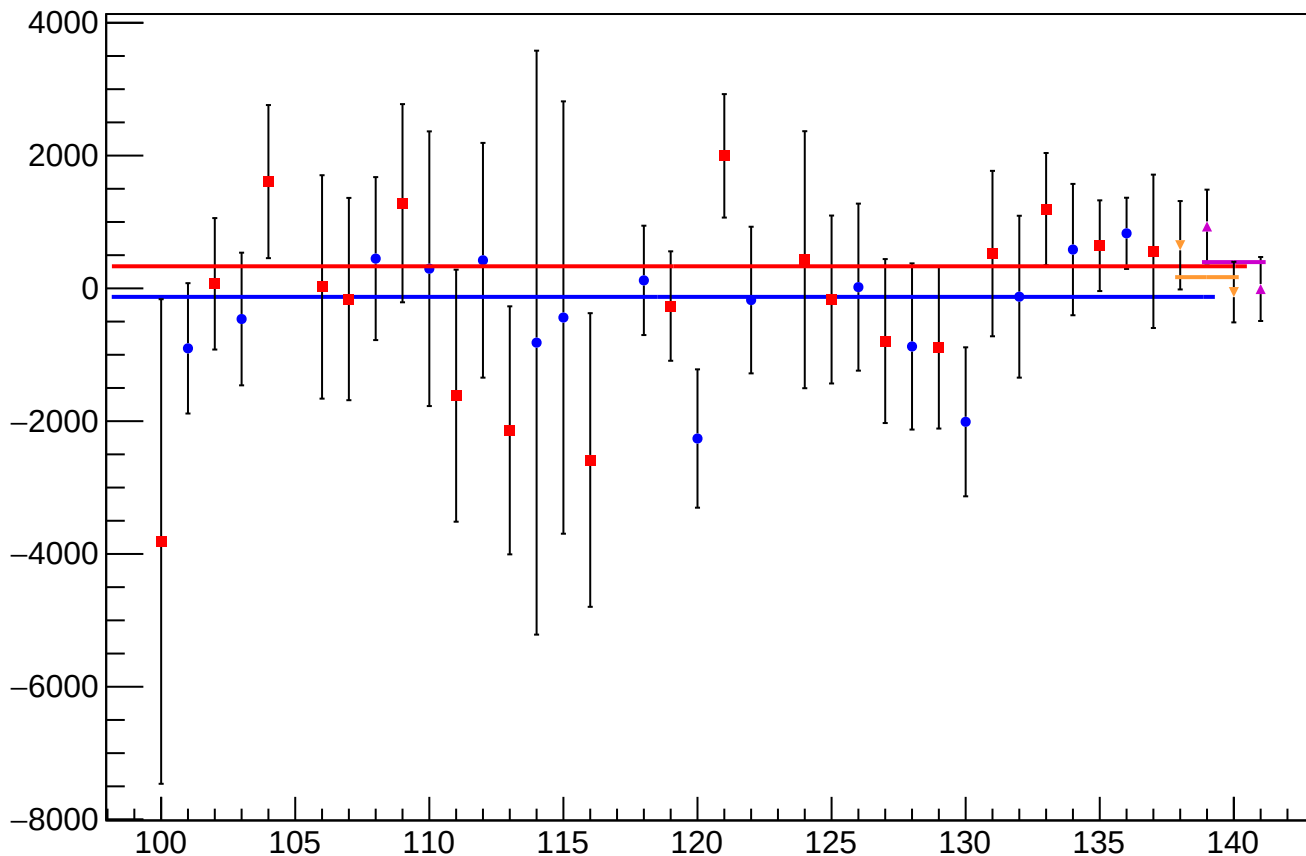
Left In: 82.061 $\pm$ 0.044 χ^2 /NDF:2058.5/1

+ sign 100.534 $\pm$ 0.024 χ^2 /NDF: 515810.2/17

All: 100.525 $\pm$ 0.017 χ^2 /NDF: 1111056.8/38

- sign 100.516 $\pm$ 0.024 χ^2 /NDF: 595246.4/20

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: -128.047 ± 268.611 χ^2/NDF : 12.3/15

Left Out: 169.216 ± 376.223 χ^2/NDF : 0.8/1

Right Out: 332.665 ± 270.835 χ^2/NDF : 14.7/18

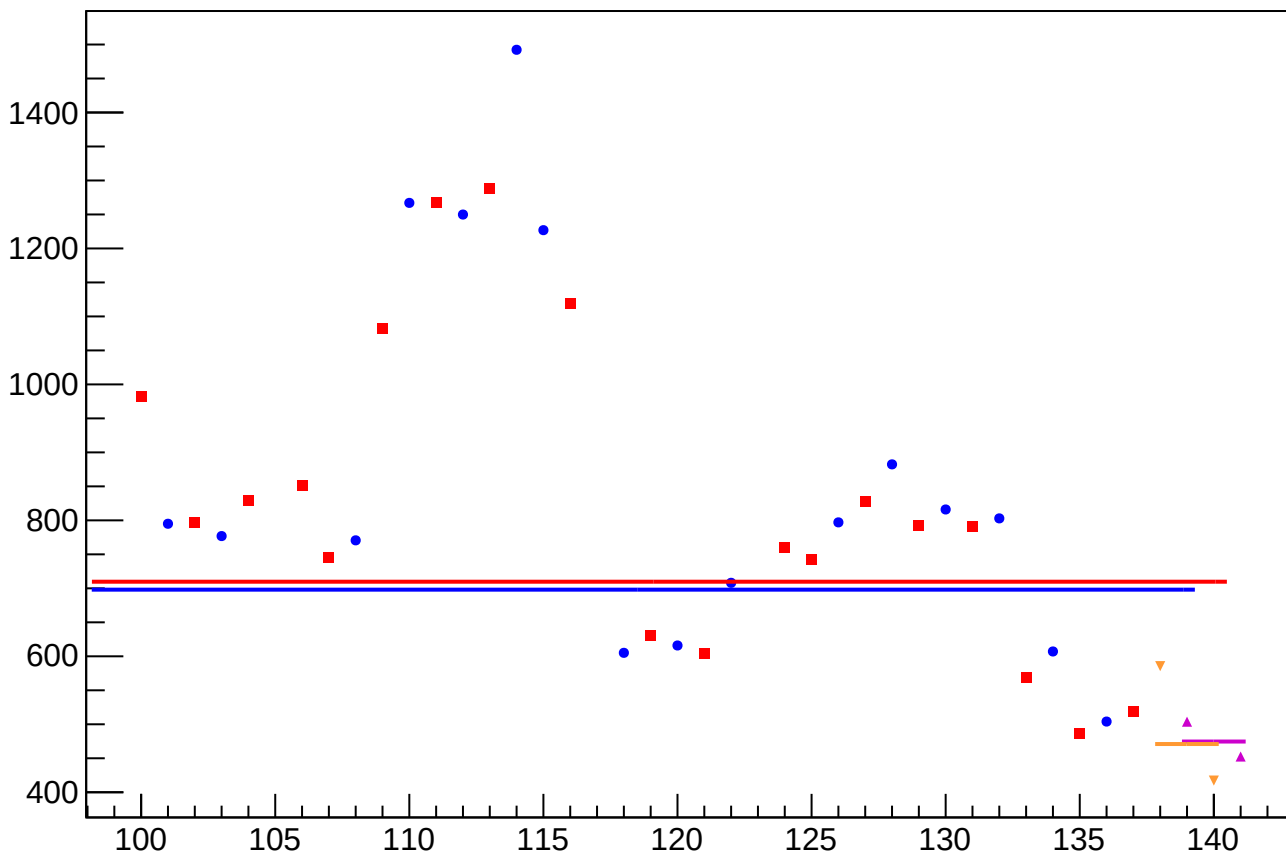
Left In: 395.806 ± 363.642 χ^2/NDF : 1.6/1

+ sign -27.679 ± 218.611 χ^2/NDF : 13.5/17

All: 164.987 ± 154.084 χ^2/NDF : 31.4/38

- sign 355.193 ± 217.211 χ^2/NDF : 16.4/20

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

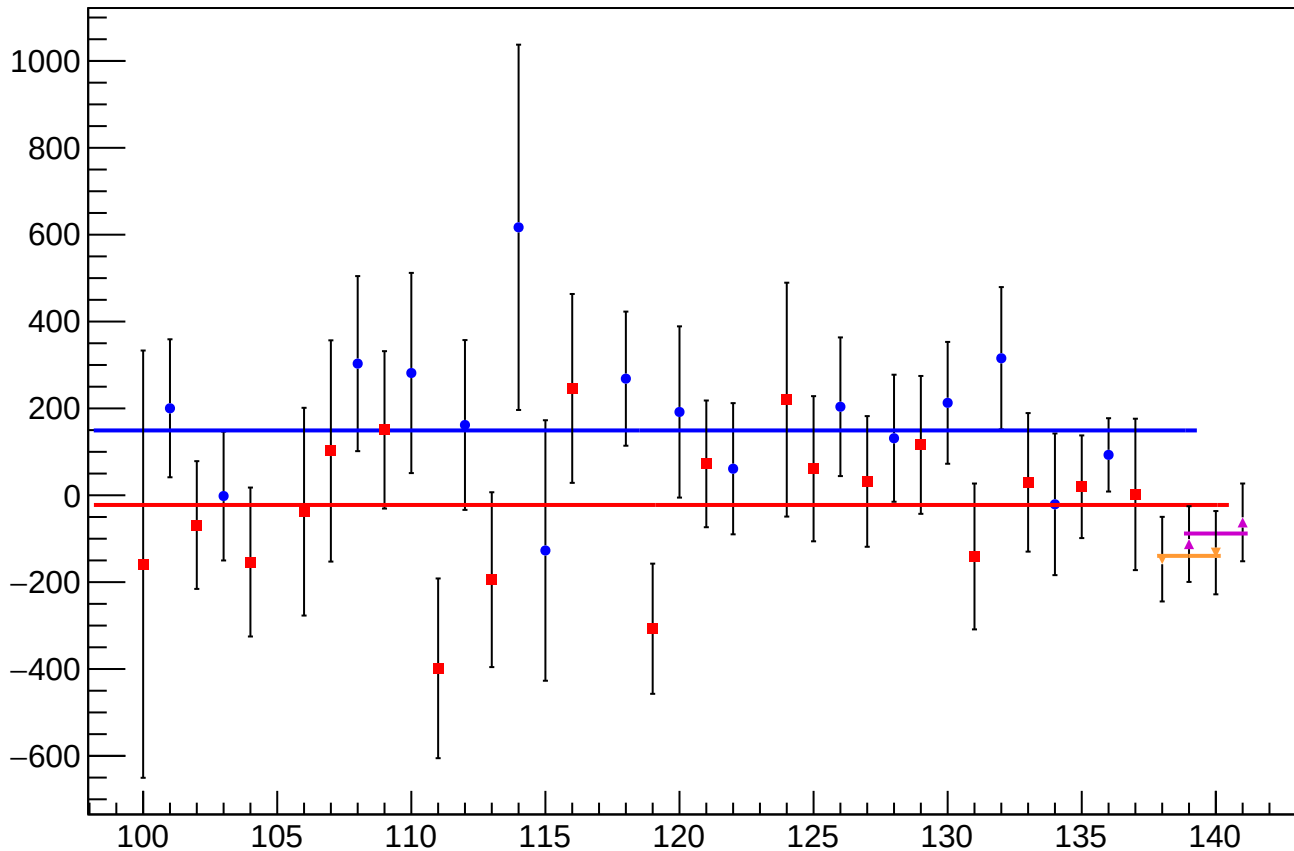
Left In: 474.624+/-0.257 χ^2/NDF : 9742.6/1

+ sign 621.379+/-0.155 χ^2/NDF : 1482567.8/17

All: 623.633+/-0.109 χ^2/NDF : 3057660.1/38

- sign 625.858+/-0.154 χ^2/NDF : 1574669.8/20

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 $\pm$ 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

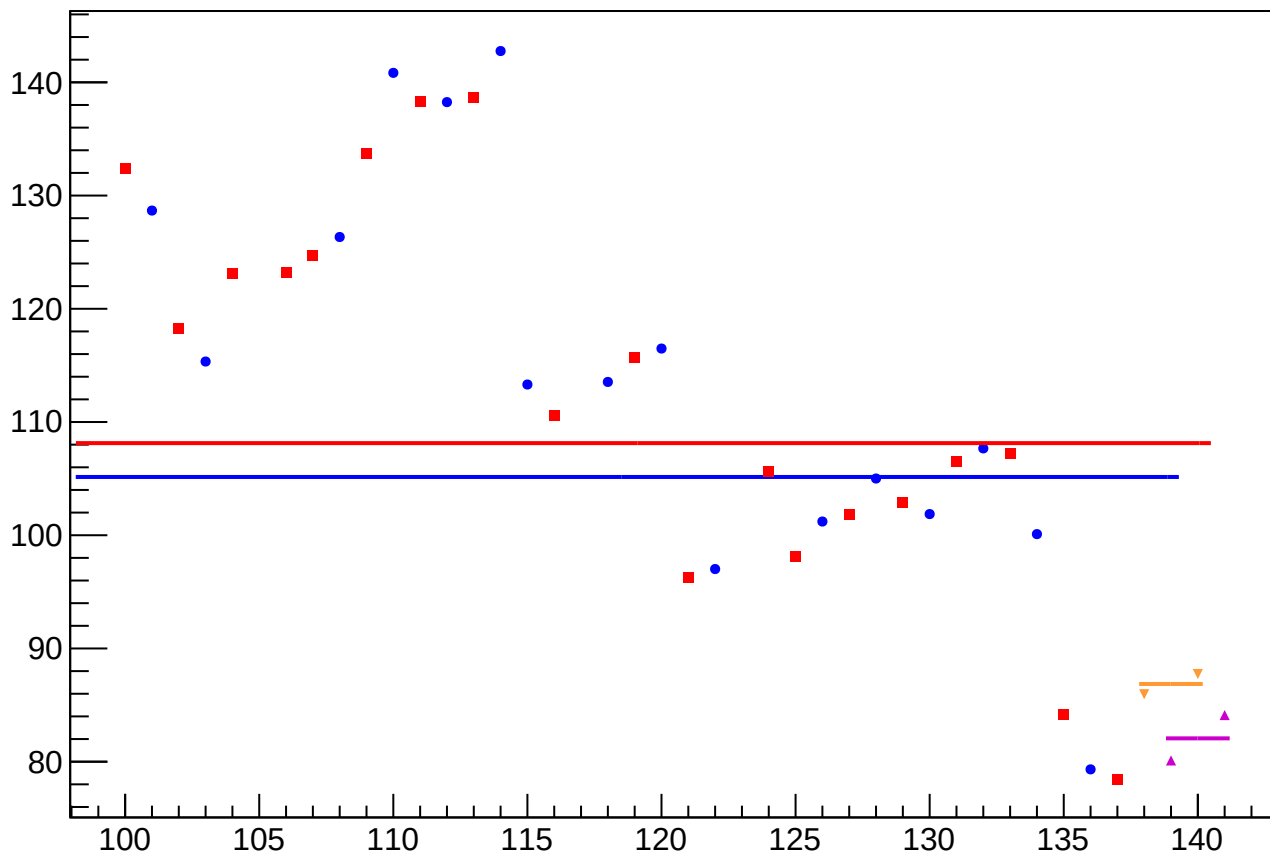
Left In: -88.063 $\pm$ 62.441 χ^2 /NDF: 0.2/1

+ sign 76.435 $\pm$ 34.318 χ^2 /NDF: 21.4/17

All: 16.484 $\pm$ 24.065 χ^2 /NDF: 42.6/38

- sign -41.516 $\pm$ 33.755 χ^2 /NDF: 15.2/20

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

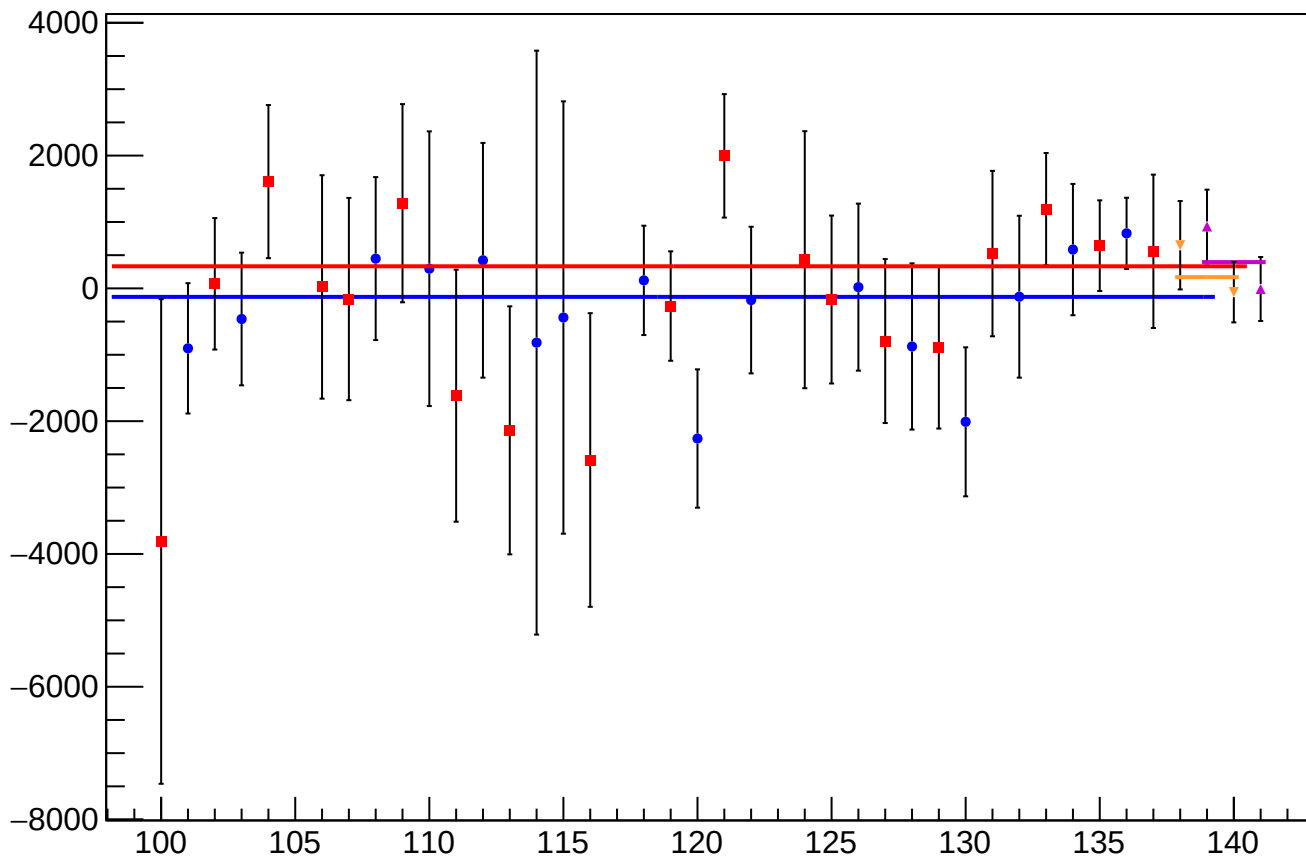
Left In: 82.061 $\pm$ 0.044 χ^2 /NDF:2058.5/1

+ sign 100.534 $\pm$ 0.024 χ^2 /NDF: 515810.2/17

All: 100.525 $\pm$ 0.017 χ^2 /NDF: 1111056.8/38

- sign 100.516 $\pm$ 0.024 χ^2 /NDF: 595246.4/20

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: -128.047 ± 268.611 χ^2/NDF : 12.3/15

Left Out: 169.216 ± 376.223 χ^2/NDF : 0.8/1

Right Out: 332.665 ± 270.835 χ^2/NDF : 14.7/18

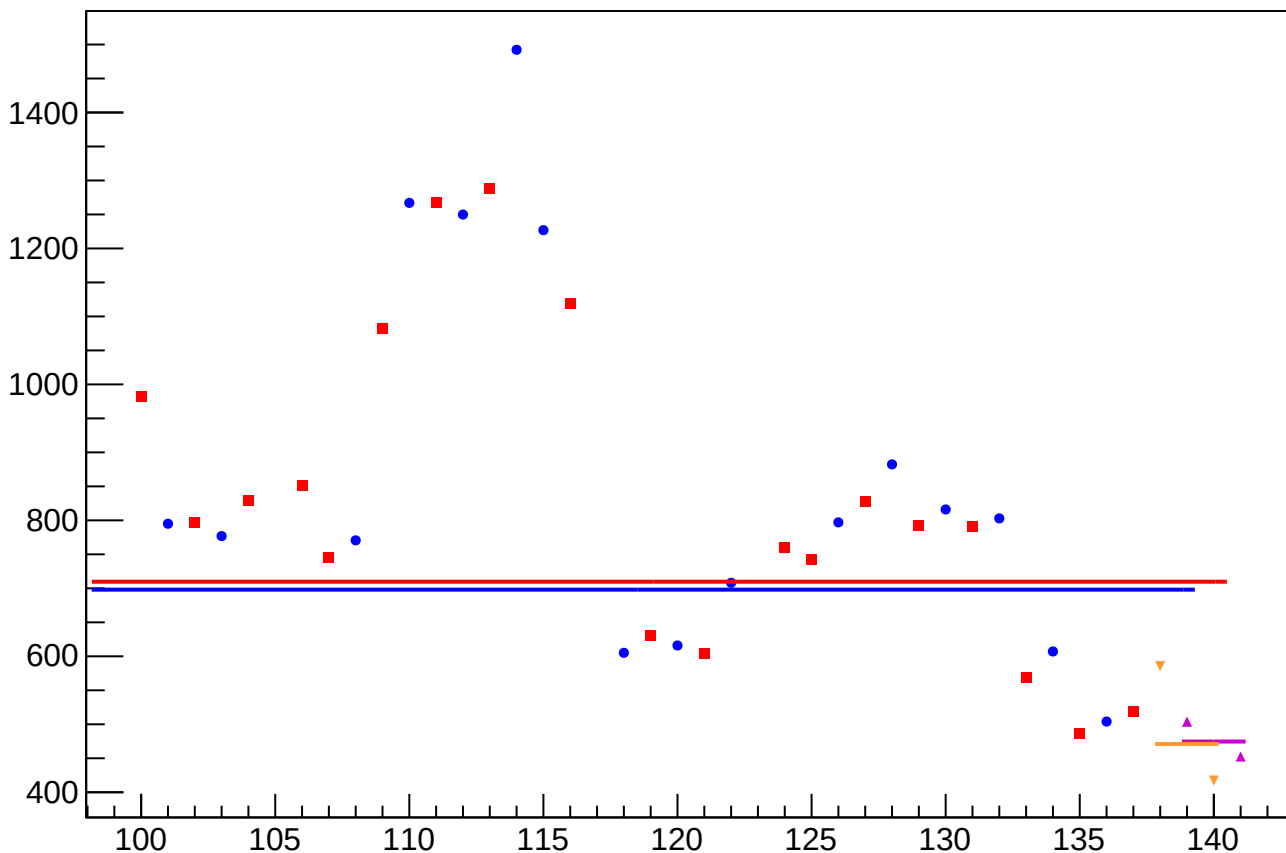
Left In: 395.806 ± 363.642 χ^2/NDF : 1.6/1

+ sign -27.679 ± 218.611 χ^2/NDF : 13.5/17

All: 164.987 ± 154.084 χ^2/NDF : 31.4/38

- sign 355.193 ± 217.211 χ^2/NDF : 16.4/20

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

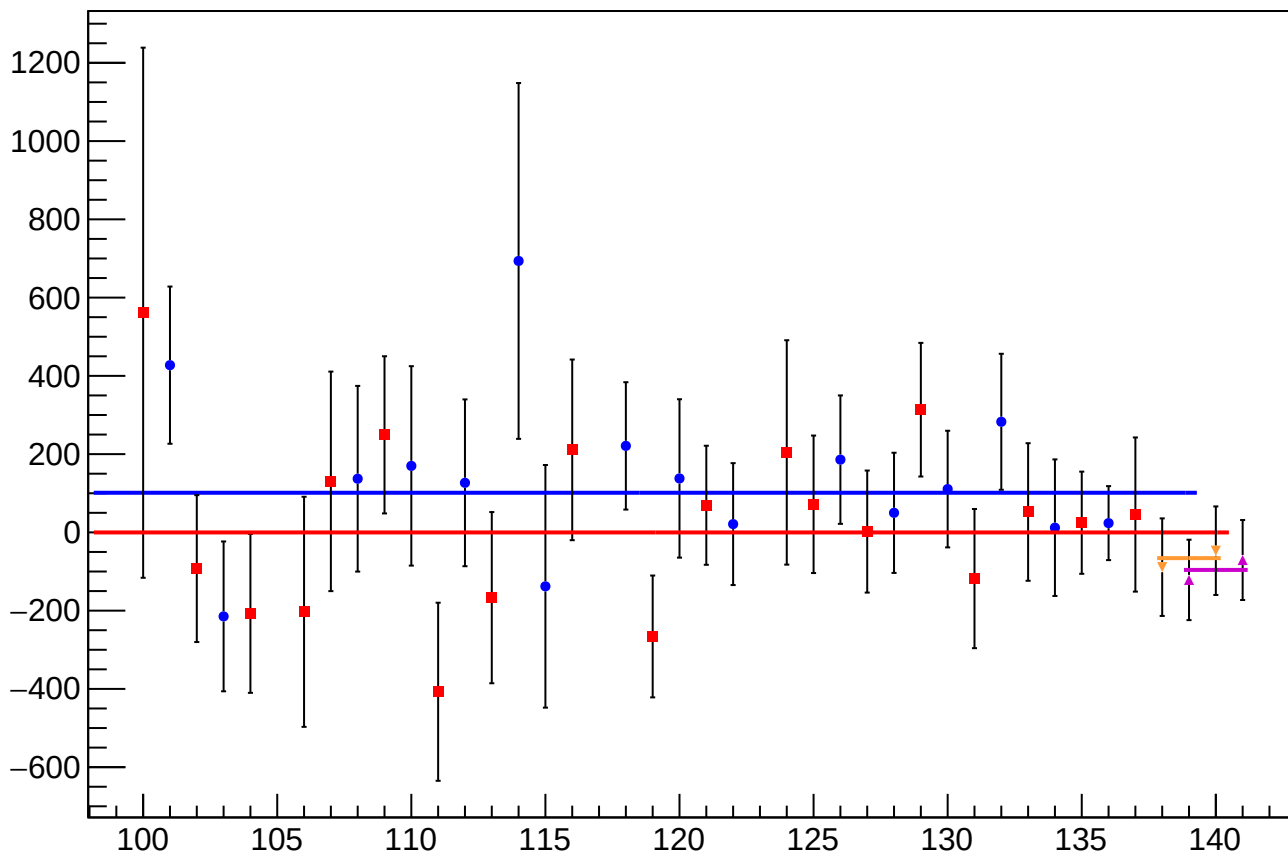
Left In: 474.624+/-0.257 χ^2/NDF : 9742.6/1

+ sign 621.379+/-0.155 χ^2/NDF : 1482567.8/17

All: 623.633+/-0.109 χ^2/NDF : 3057660.1/38

- sign 625.858+/-0.154 χ^2/NDF : 1574669.8/20

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

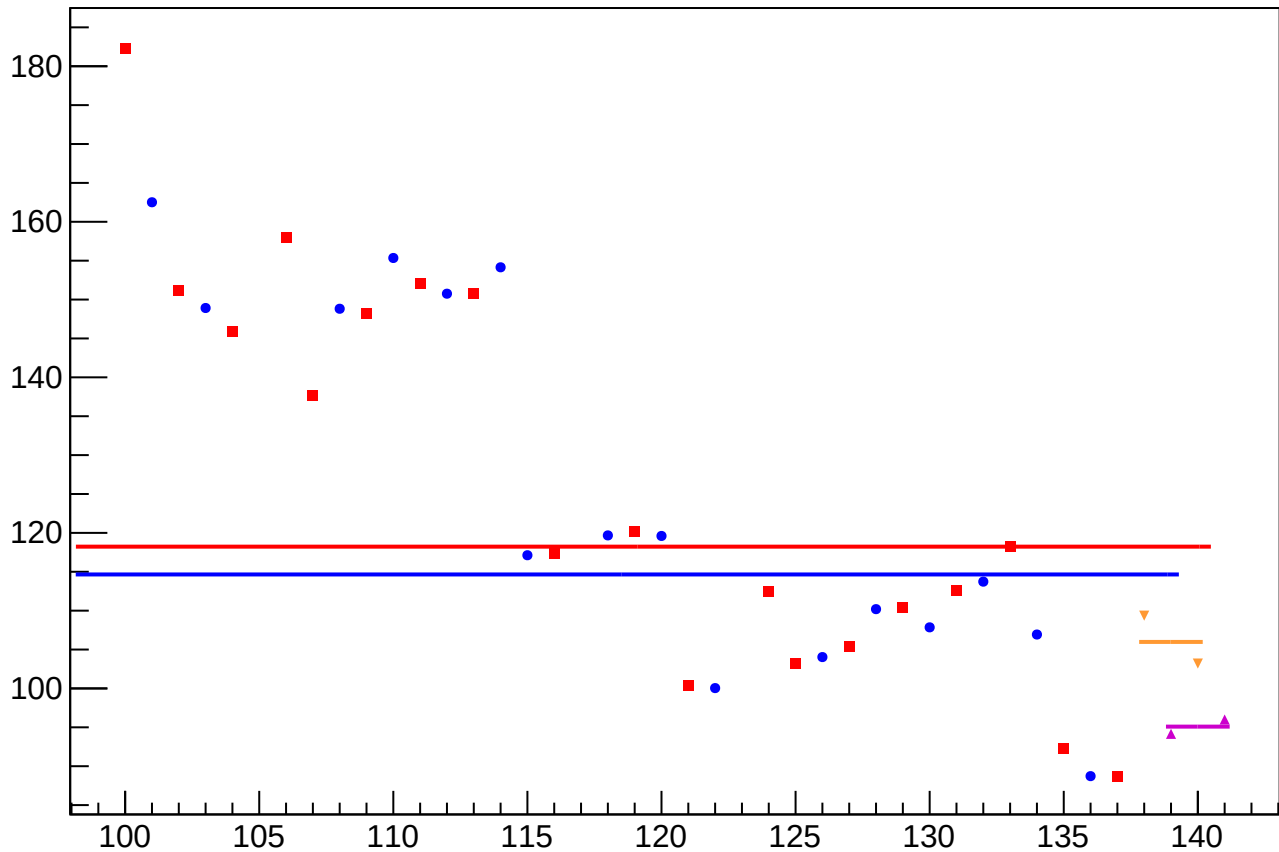
Left In: -95.898 $\pm$ 72.449 χ^2 /NDF:0.1/1

+ sign 65.795 $\pm$ 38.613 χ^2 /NDF: 14.2/17

All: 18.733 $\pm$ 26.949 χ^2 /NDF: 35.1/38

- sign -25.961 $\pm$ 37.629 χ^2 /NDF: 18.0/20

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

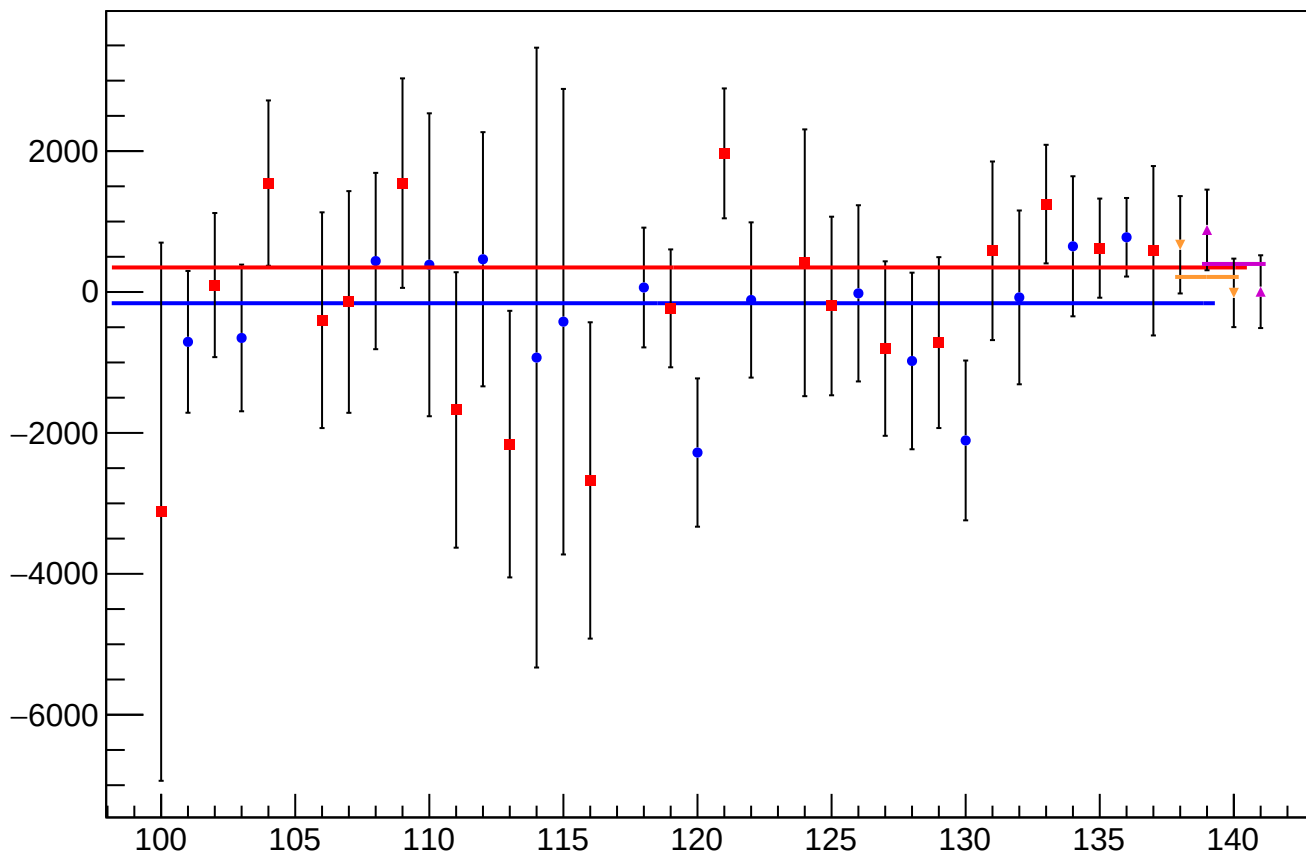
Left In: 95.090 $\pm$ 0.051 χ^2 /NDF: 323.8/1

+ sign 112.812 $\pm$ 0.027 χ^2 /NDF: 551537.5/17

All: 112.389 $\pm$ 0.019 χ^2 /NDF: 1184735.4/38

- sign 111.988 $\pm$ 0.027 χ^2 /NDF: 632730.5/20

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

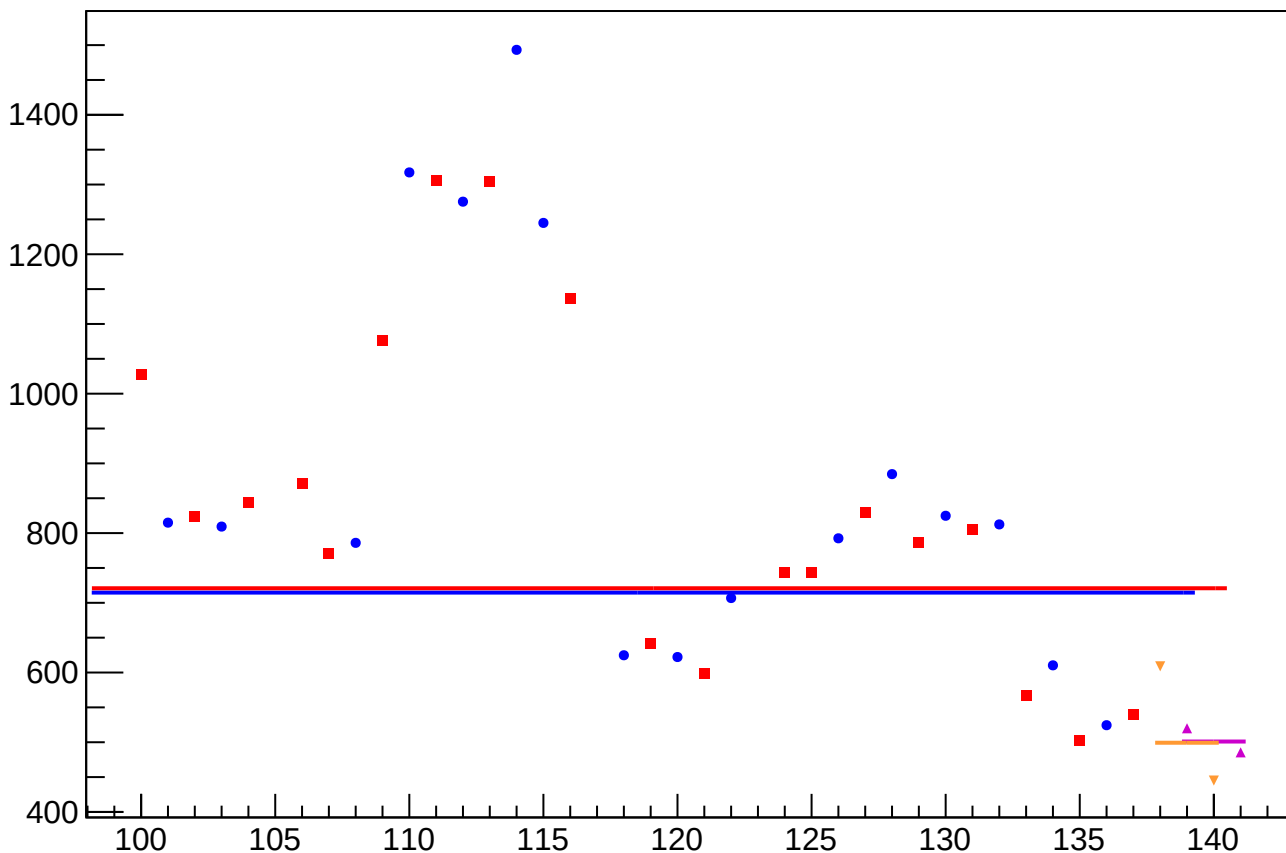
Left In: 398.222 $\pm$ 383.436 χ^2 /NDF:1.3/1

+ sign -38.716 $\pm$ 225.924 χ^2 /NDF: 13.2/17

All: 166.181 $\pm$ 158.605 χ^2 /NDF: 30.5/38

- sign 365.293 $\pm$ 222.713 χ^2 /NDF: 15.6/20

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

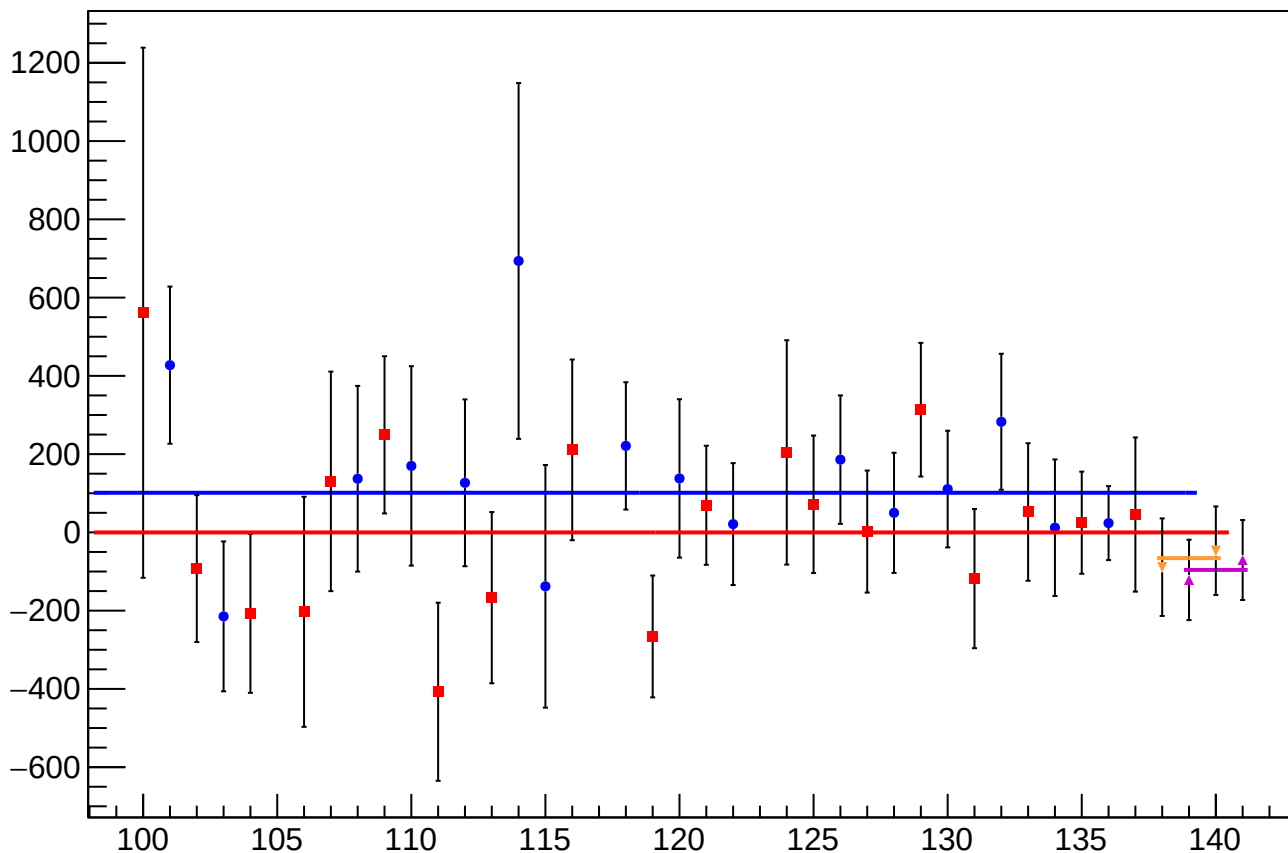
Left In: 501.012 $\pm$ 0.271 χ^2 /NDF: 4012.4/1

+ sign 645.123 $\pm$ 0.160 χ^2 /NDF: 1348852.7/17

All: 645.926 $\pm$ 0.112 χ^2 /NDF: 2807121.8/38

- sign 646.707 $\pm$ 0.157 χ^2 /NDF: 1458219.2/20

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

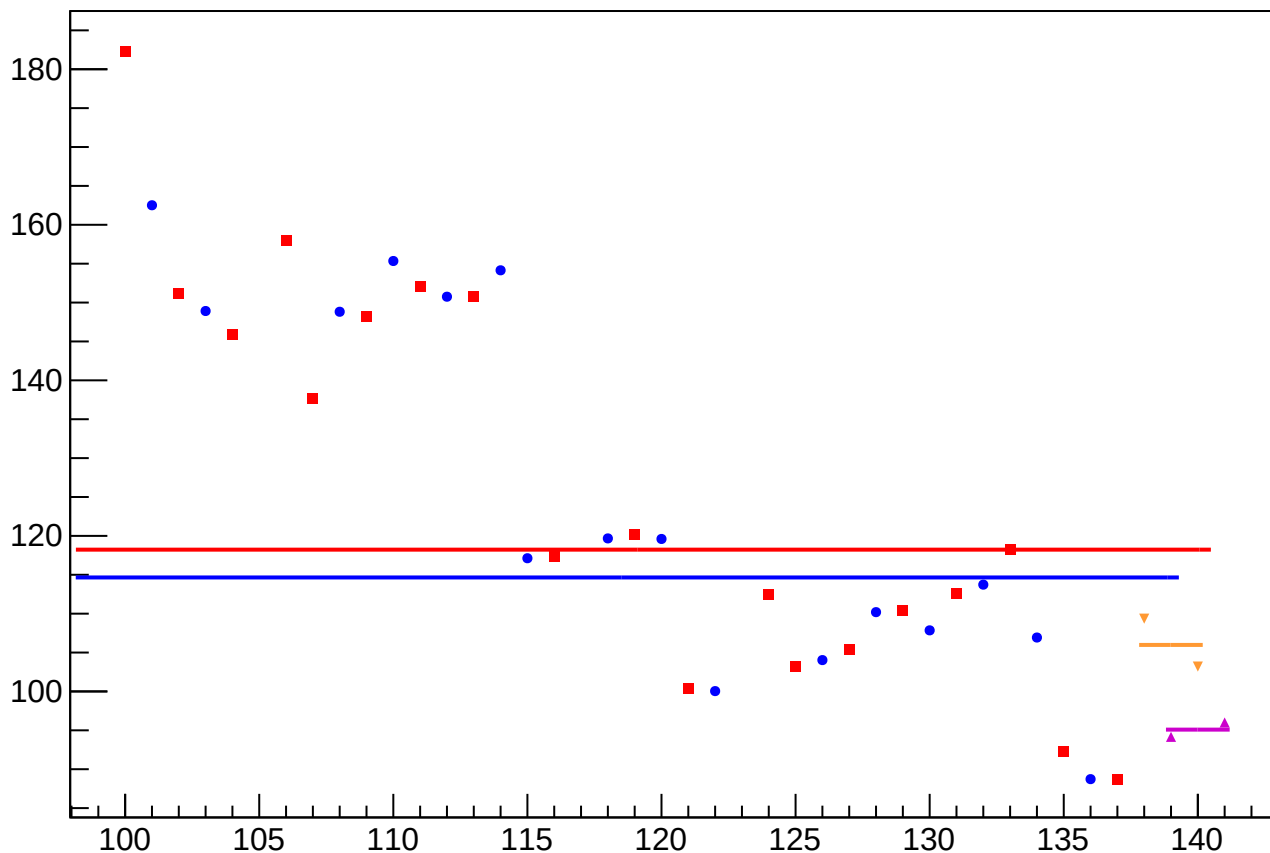
Left In: -95.899 $\pm$ 72.449 χ^2 /NDF: 0.1/1

+ sign 65.793 $\pm$ 38.613 χ^2 /NDF: 14.2/17

All: 18.732 $\pm$ 26.949 χ^2 /NDF: 35.1/38

- sign -25.961 $\pm$ 37.629 χ^2 /NDF: 18.0/20

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655 $\pm$ 0.031 χ^2 /NDF: 531962.9/15

Left Out: 105.980 $\pm$ 0.059 χ^2 /NDF: 2676.7/1

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483401.1/18

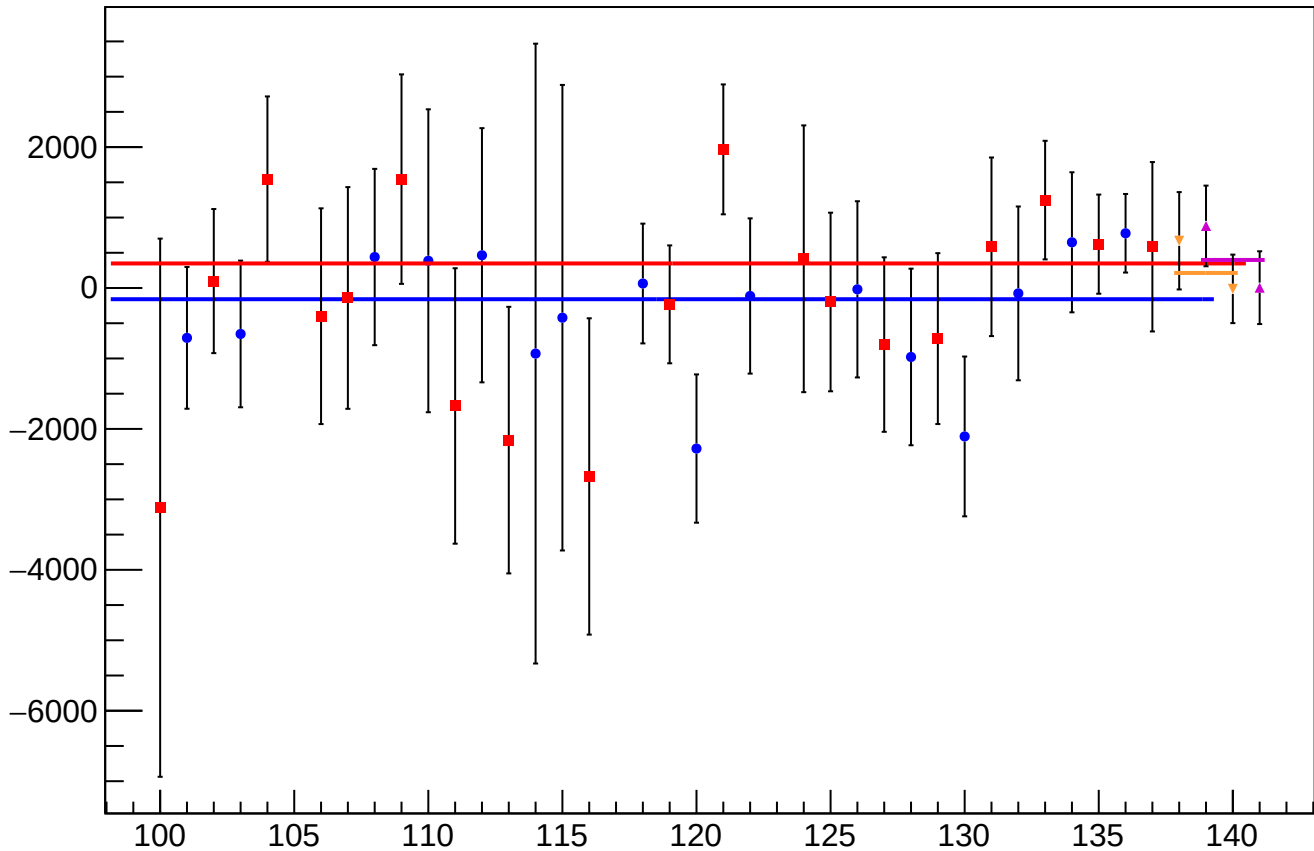
Left In: 95.090 $\pm$ 0.051 χ^2 /NDF: 323.9/1

+ sign 112.812 $\pm$ 0.027 χ^2 /NDF: 551524.5/17

All: 112.389 $\pm$ 0.019 χ^2 /NDF: 1184714.2/38

- sign 111.988 $\pm$ 0.027 χ^2 /NDF: 632722.1/20

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

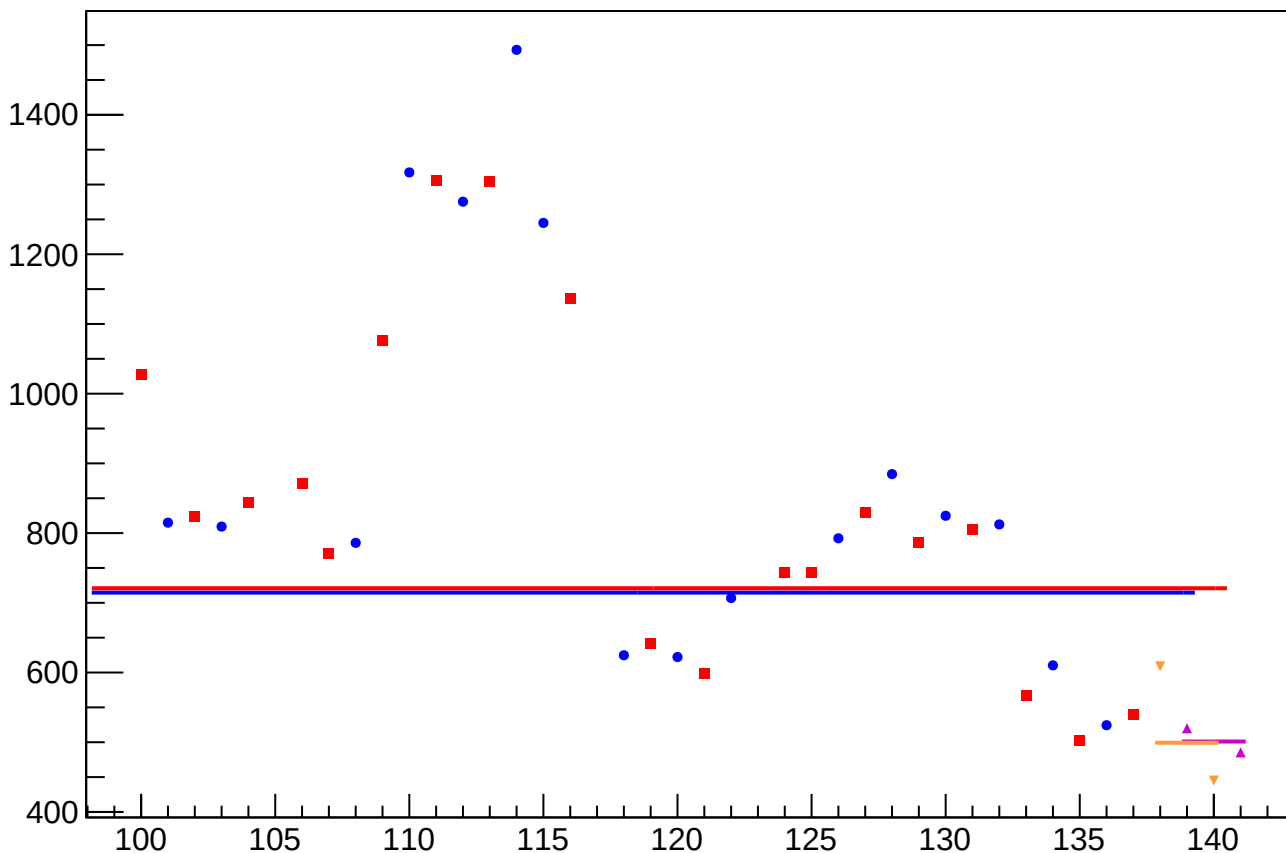
Left In: 398.222 ± 383.437 χ^2/NDF : 1.3/1

+ sign -38.718 ± 225.924 χ^2/NDF : 13.2/17

All: 166.180 ± 158.605 χ^2/NDF : 30.5/38

- sign 365.294 ± 222.713 χ^2/NDF : 15.6/20

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

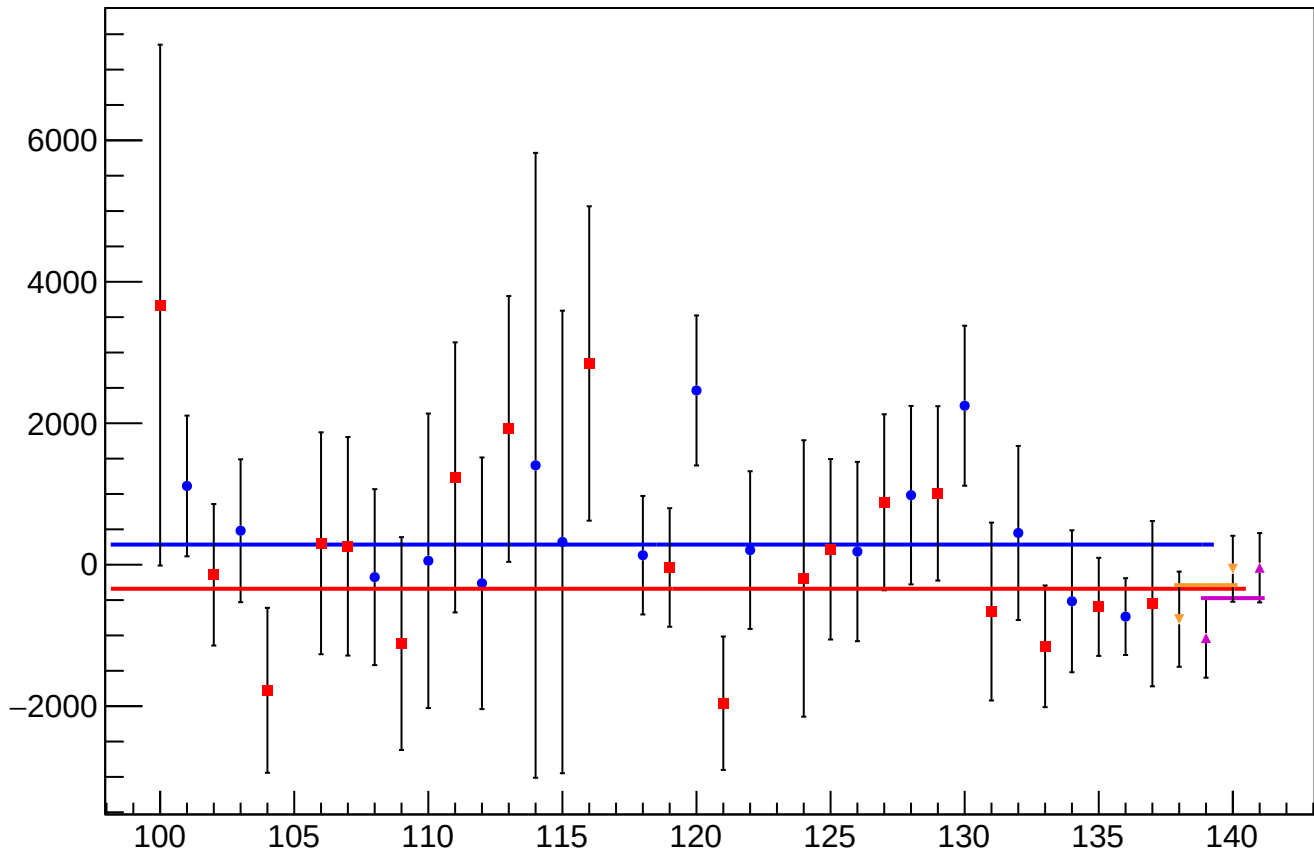
Left In: 501.013 $\pm$ 0.271 χ^2 /NDF: 4012.4/1

+ sign 645.123 $\pm$ 0.160 χ^2 /NDF: 1348845.5/17

All: 645.926 $\pm$ 0.112 χ^2 /NDF: 2807104.7/38

- sign 646.707 $\pm$ 0.157 χ^2 /NDF: 1458209.3/20

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780 ± 271.944 $\chi^2/\text{NDF}: 12.8/15$

Left Out: -288.851 ± 383.330 $\chi^2/\text{NDF}: 0.8/1$

Right Out: -340.018 ± 273.601 $\chi^2/\text{NDF}: 14.1/18$

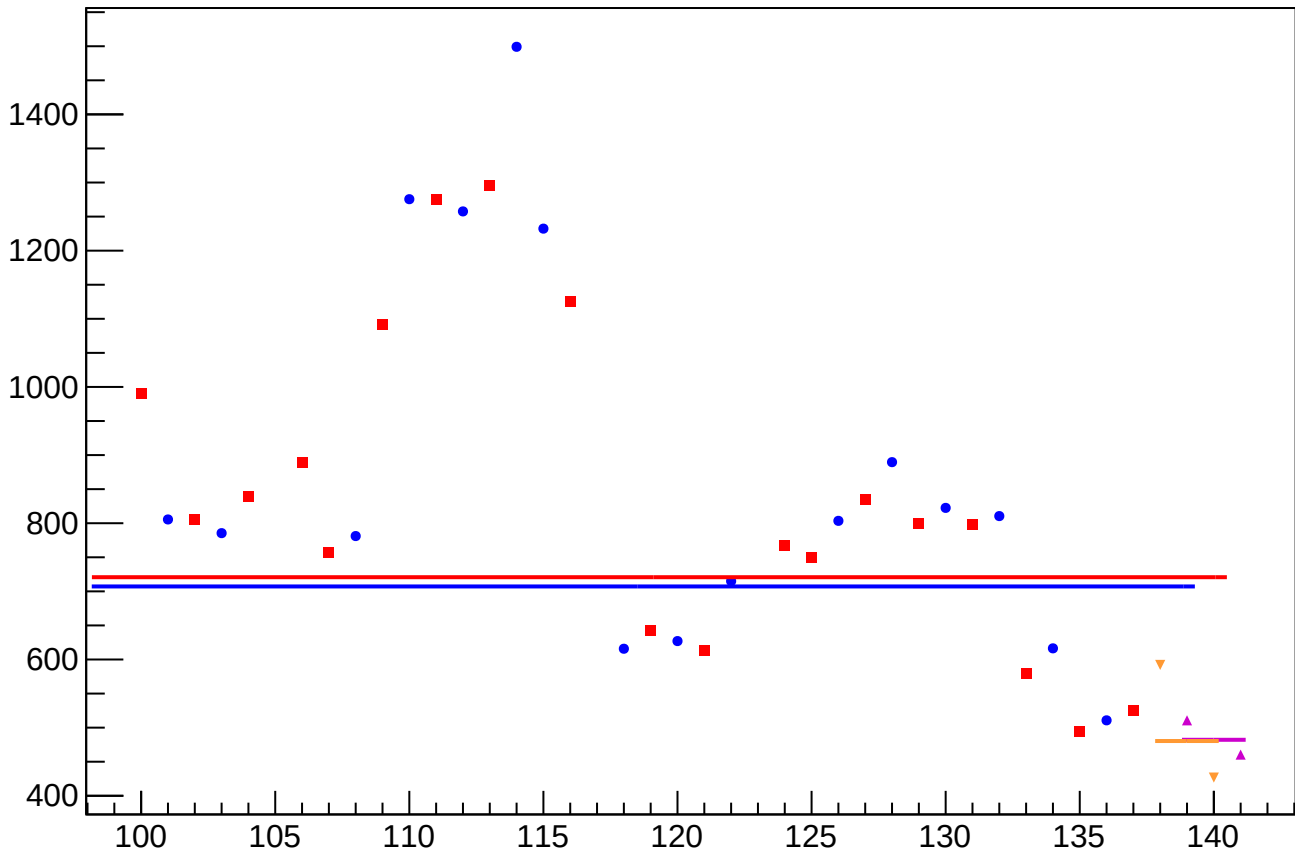
Left In: -472.237 ± 369.284 $\chi^2/\text{NDF}: 1.8/1$

+ sign 92.734 ± 221.799 $\chi^2/\text{NDF}: 15.0/17$

All: -149.200 ± 156.137 $\chi^2/\text{NDF}: 33.3/38$

- sign -386.876 ± 219.838 $\chi^2/\text{NDF}: 15.9/20$

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209 $\pm$ 0.192 χ^2 /NDF: 896689.9/15

Left Out: 480.363 $\pm$ 0.271 χ^2 /NDF: 81548.5/1

Right Out: 720.778 $\pm$ 0.193 χ^2 /NDF: 1015277.9/18

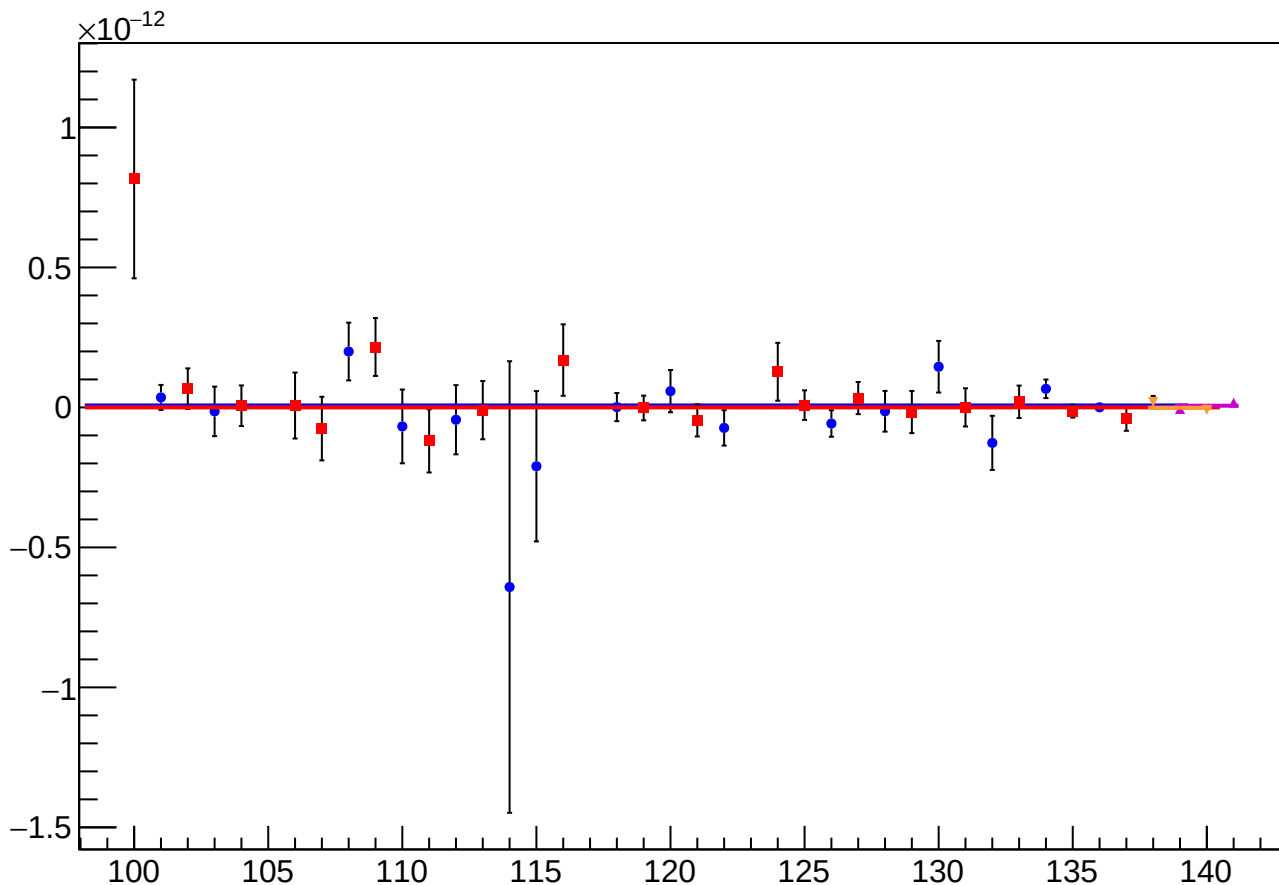
Left In: 482.168 $\pm$ 0.261 χ^2 /NDF: 9113.8/1

+ sign 631.263 $\pm$ 0.157 χ^2 /NDF: 1444154.9/17

All: 633.762 $\pm$ 0.110 χ^2 /NDF: 3008130.6/38

- sign 636.216 $\pm$ 0.155 χ^2 /NDF: 1563472.7/20

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/18

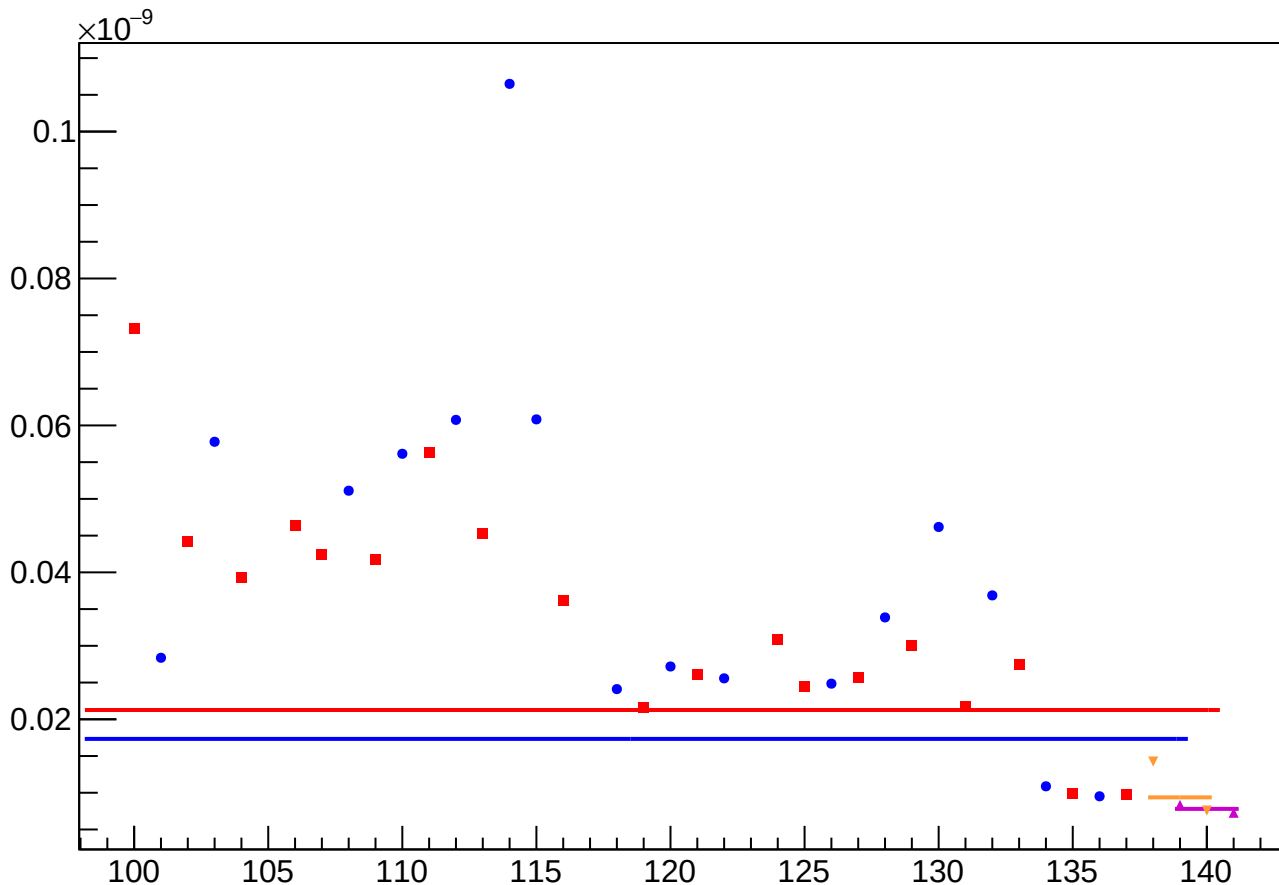
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/20

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :136032.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1671050.7/18

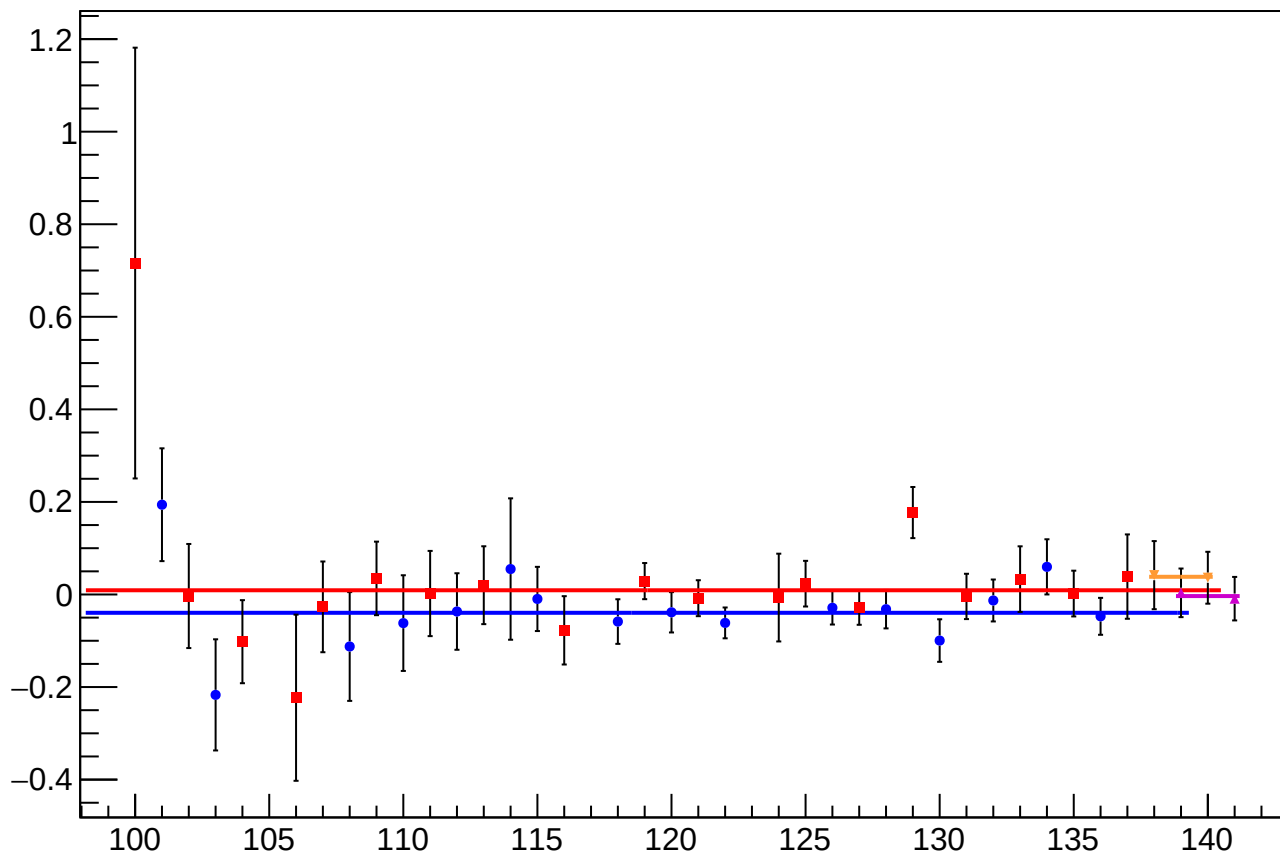
Left In: 0.000+/-0.000 χ^2/NDF :5613.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2991466.9/17

All: 0.000+/-0.000 χ^2/NDF : 5963255.1/38

- sign 0.000+/-0.000 χ^2/NDF : 2965653.2/20

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 χ^2/NDF : 12.4/15

Left Out: 0.038 ± 0.045 χ^2/NDF : 0.0/1

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

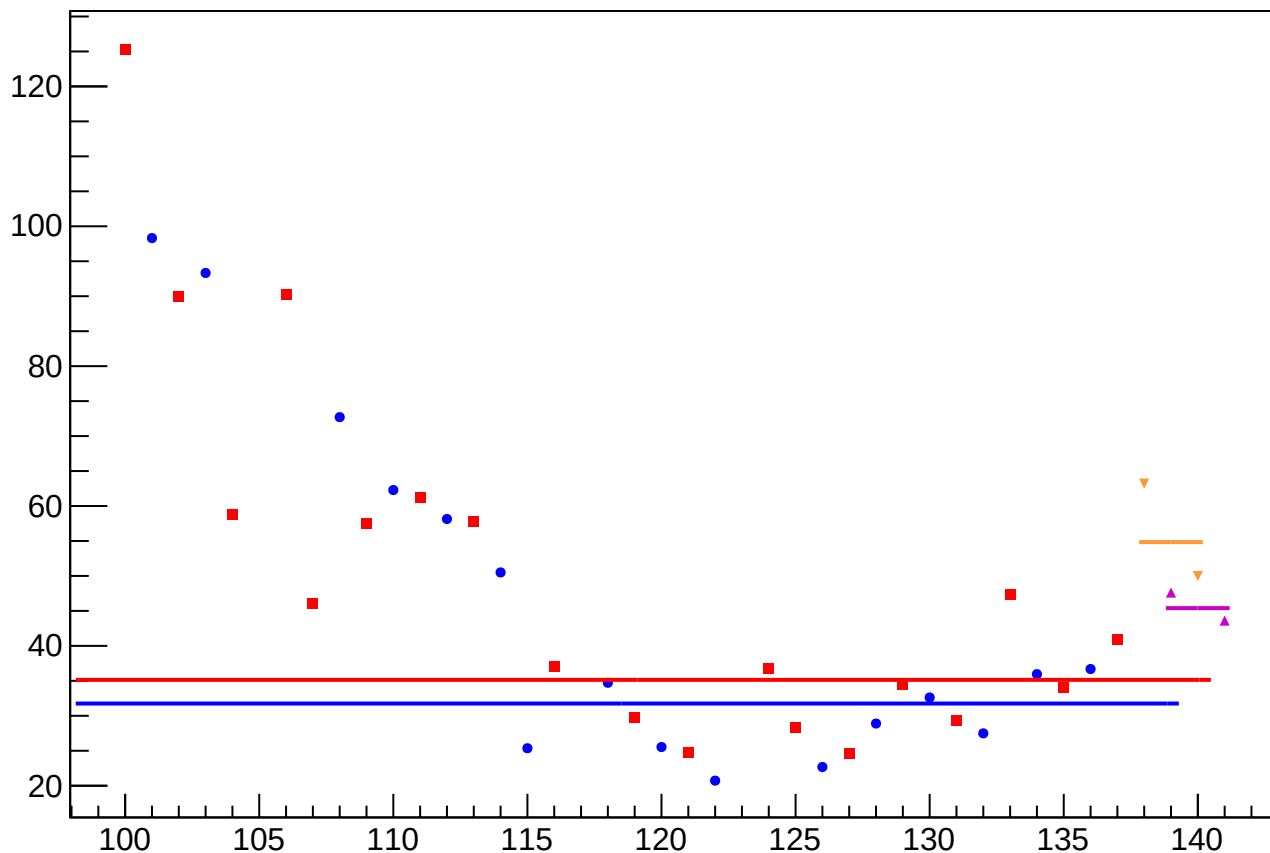
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/38

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

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

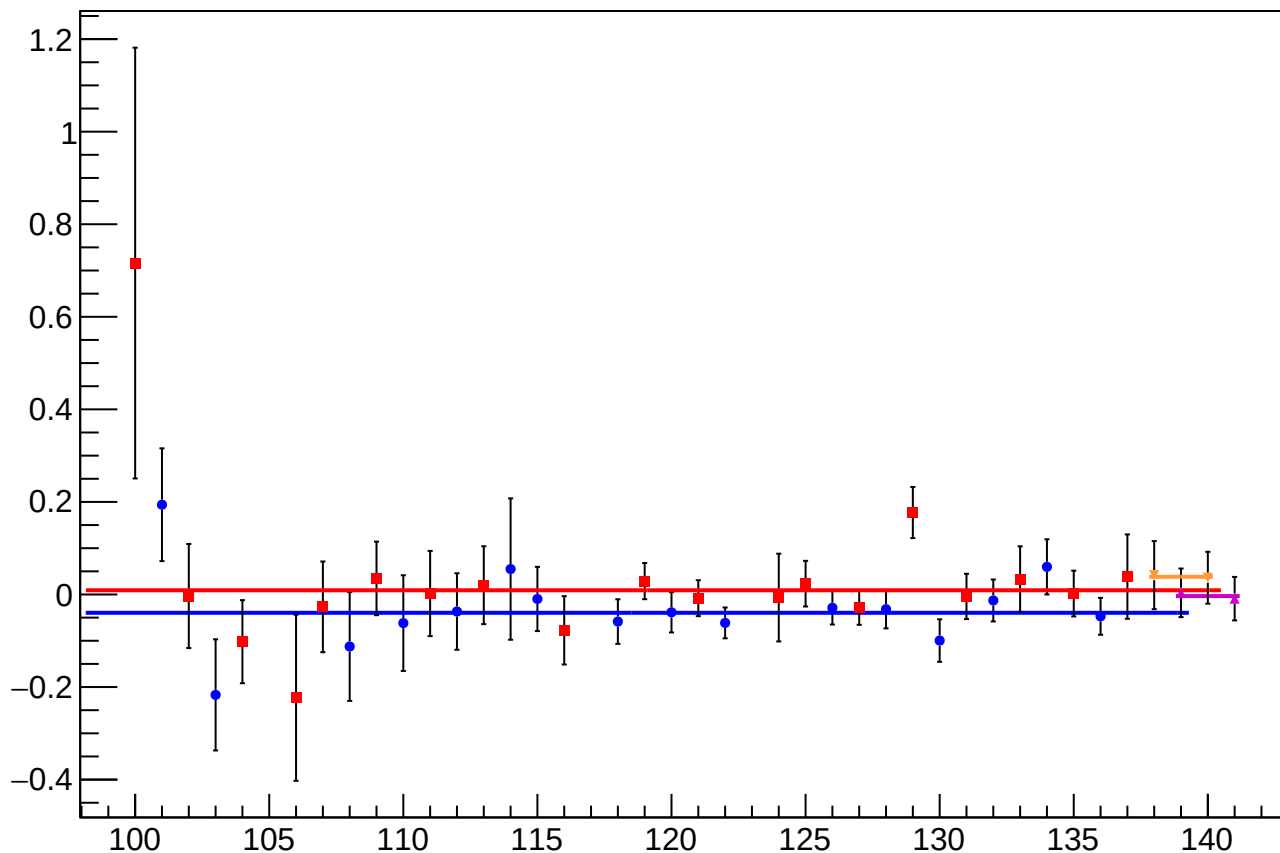
Left In: 45.399+/-0.025 χ^2/NDF : 6480.4/1

+ sign 33.606+/-0.009 χ^2/NDF : 2786465.2/17

All: 35.035+/-0.006 χ^2/NDF : 4838502.0/38

- sign 36.582+/-0.009 χ^2/NDF : 1998646.1/20

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

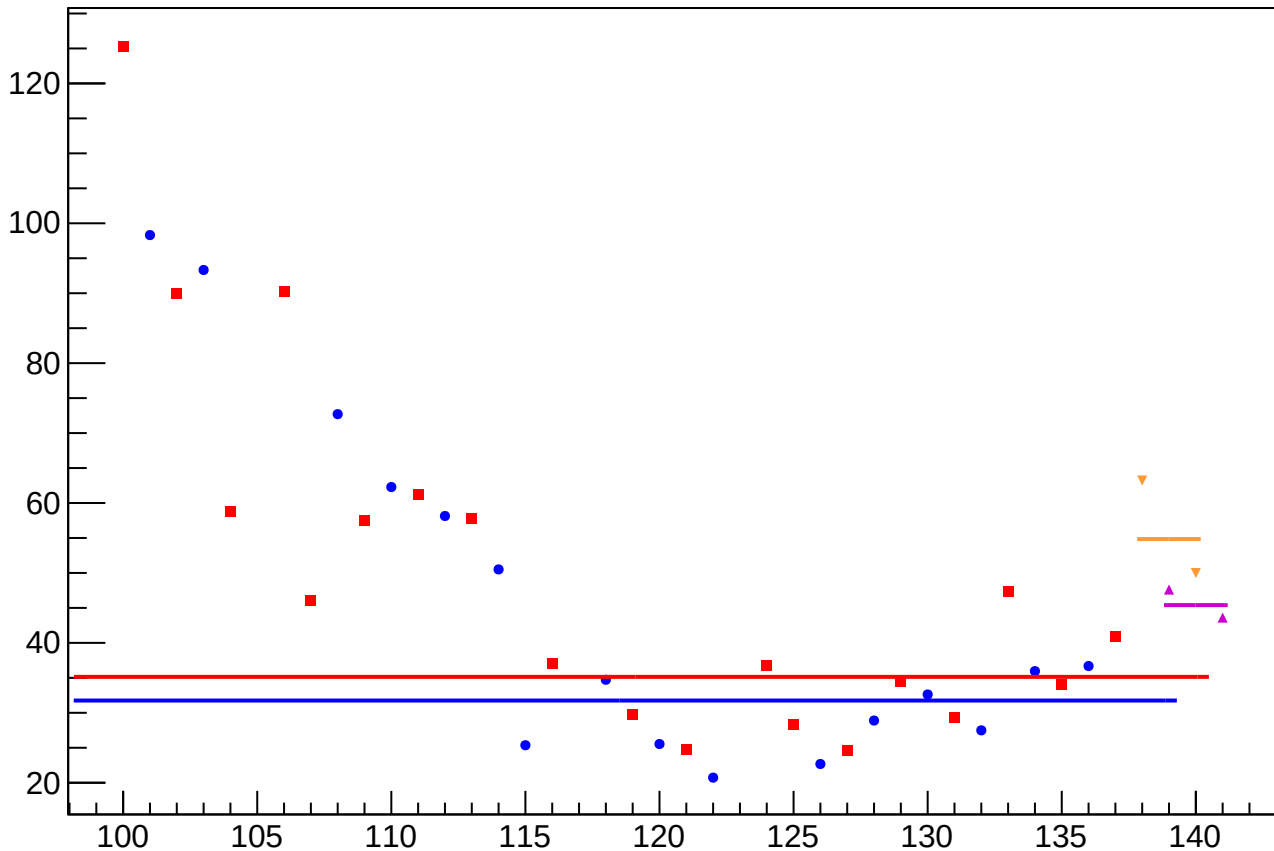
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/38

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

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

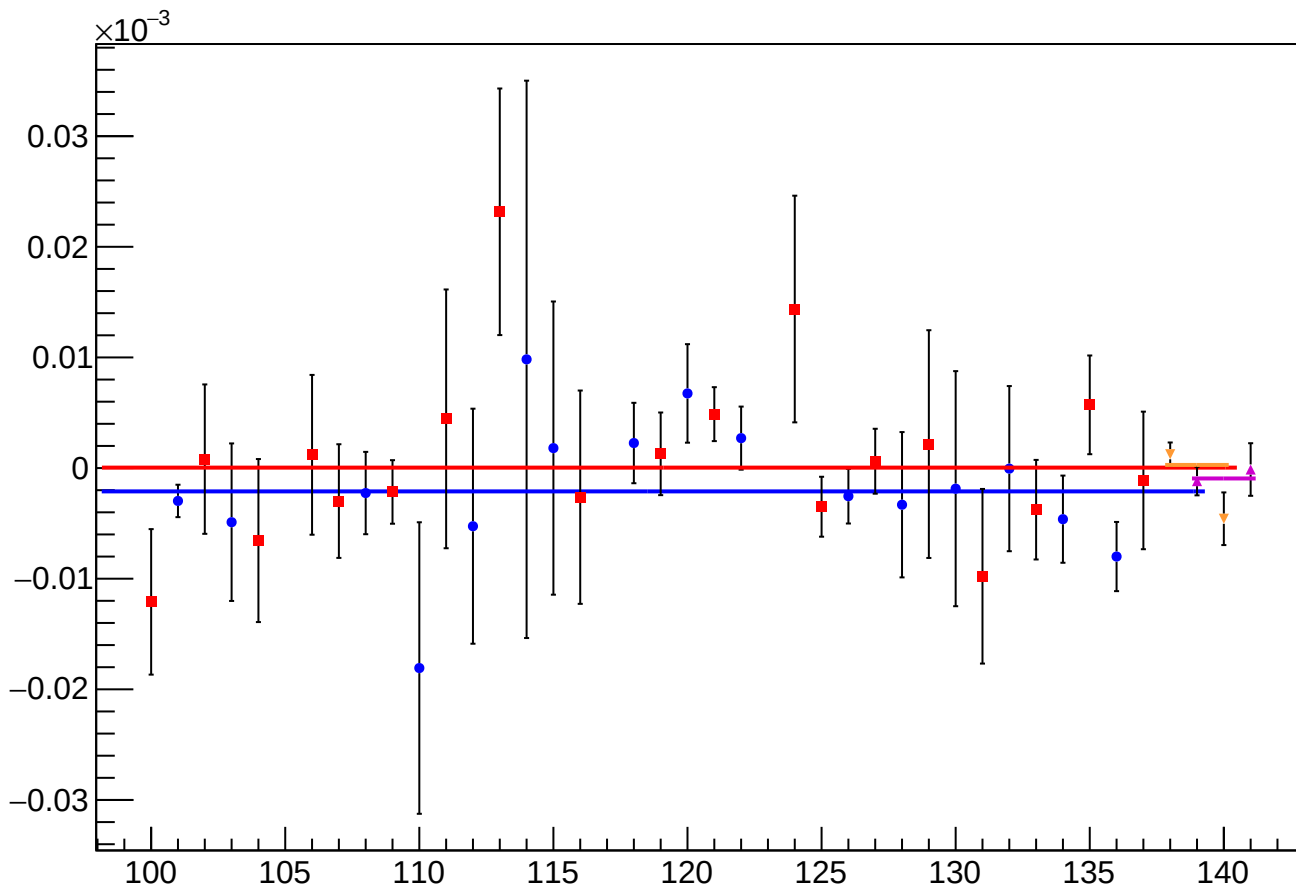
Left In: 45.399+/-0.025 χ^2/NDF : 6480.4/1

+ sign 33.606+/-0.009 χ^2/NDF : 2786465.2/17

All: 35.035+/-0.006 χ^2/NDF : 4838502.0/38

- sign 36.582+/-0.009 χ^2/NDF : 1998646.1/20

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

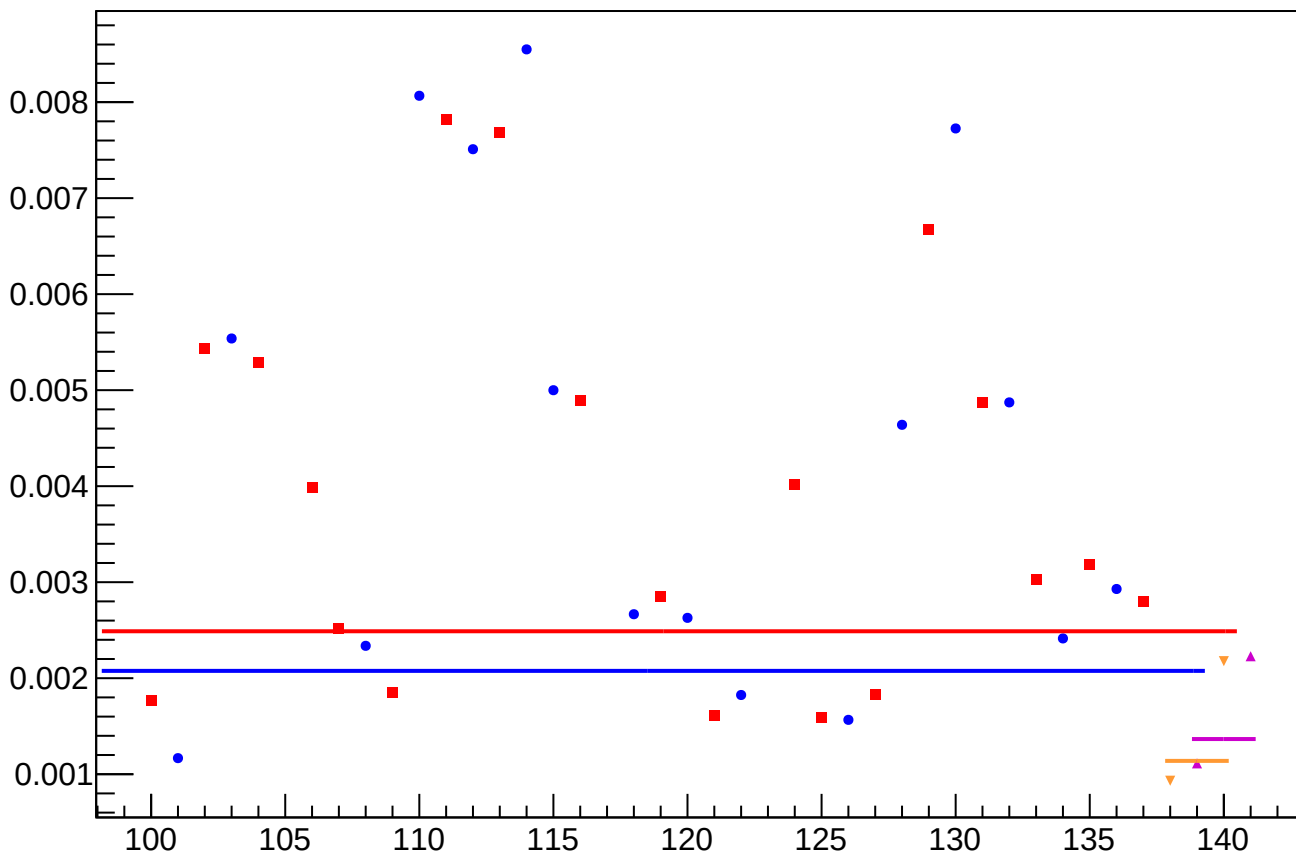
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.2/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.0/20

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

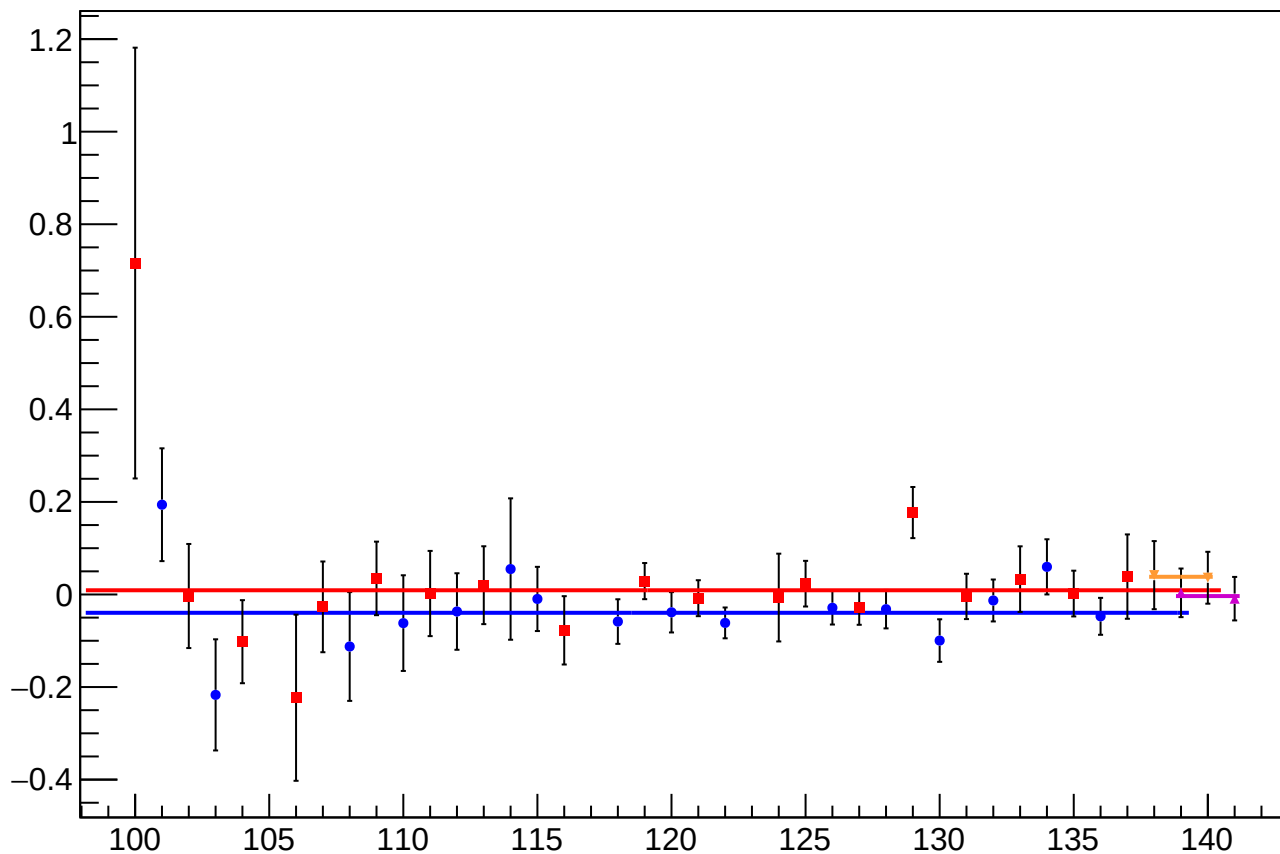
Left In: 0.001+/-0.000 χ^2/NDF : 340688.5/1

+ sign 0.002+/-0.000 χ^2/NDF : 5368341.5/17

All: 0.002+/-0.000 χ^2/NDF : 10085639.0/38

- sign 0.002+/-0.000 χ^2/NDF : 4496902.4/20

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

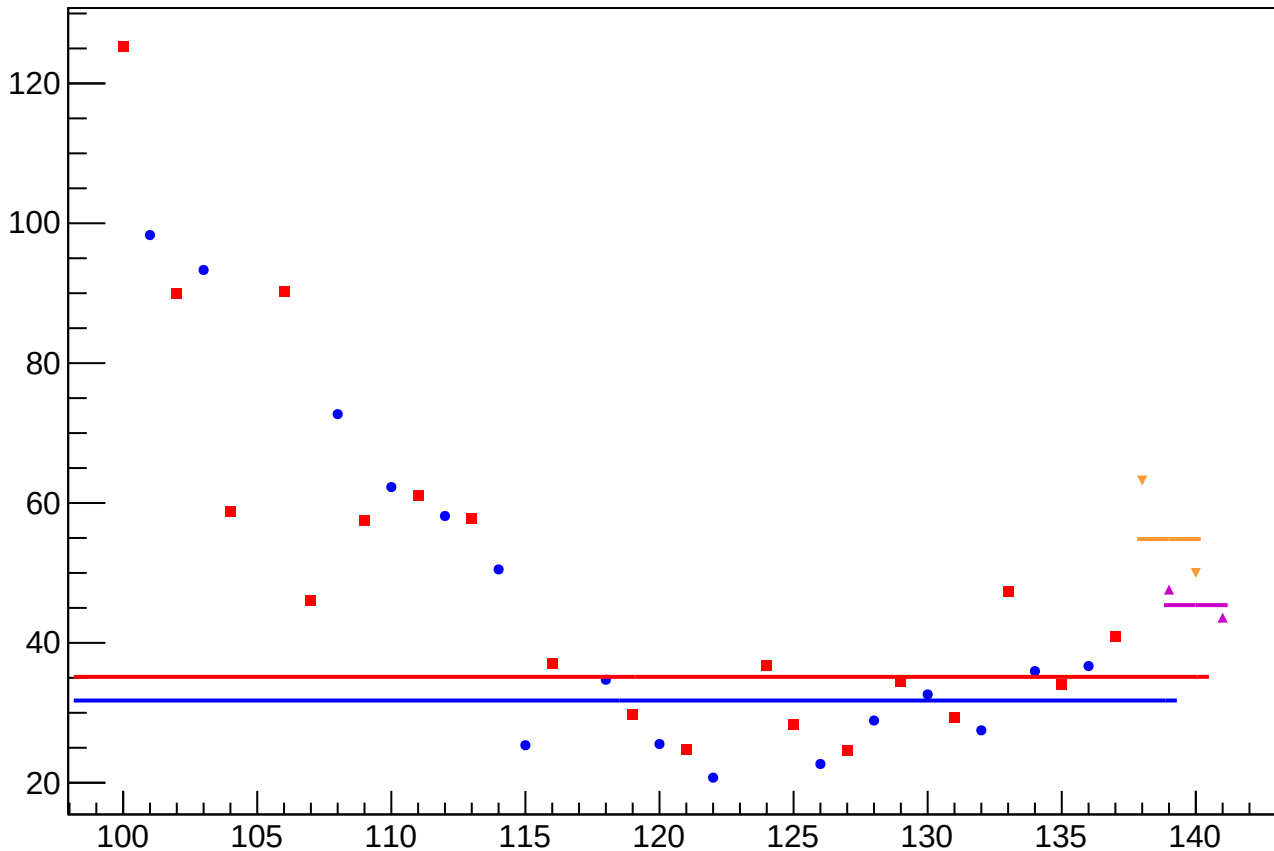
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/38

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

asym_sam_26_48_dd_eigen_dit_vs_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

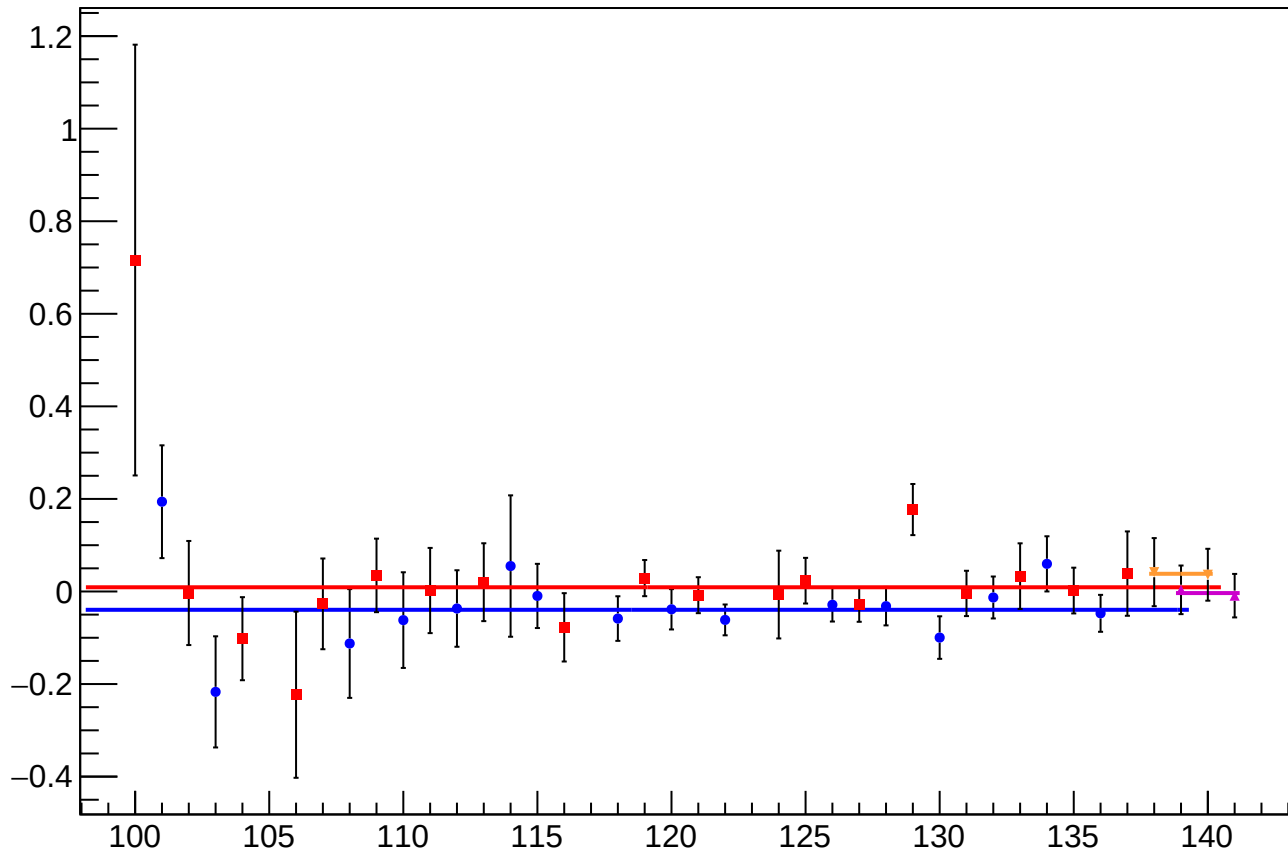
Left In: 45.399+/-0.025 χ^2/NDF : 6478.5/1

+ sign 33.606+/-0.009 χ^2/NDF : 2786426.5/17

All: 35.036+/-0.006 χ^2/NDF : 4838353.7/38

- sign 36.583+/-0.009 χ^2/NDF : 1998534.3/20

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

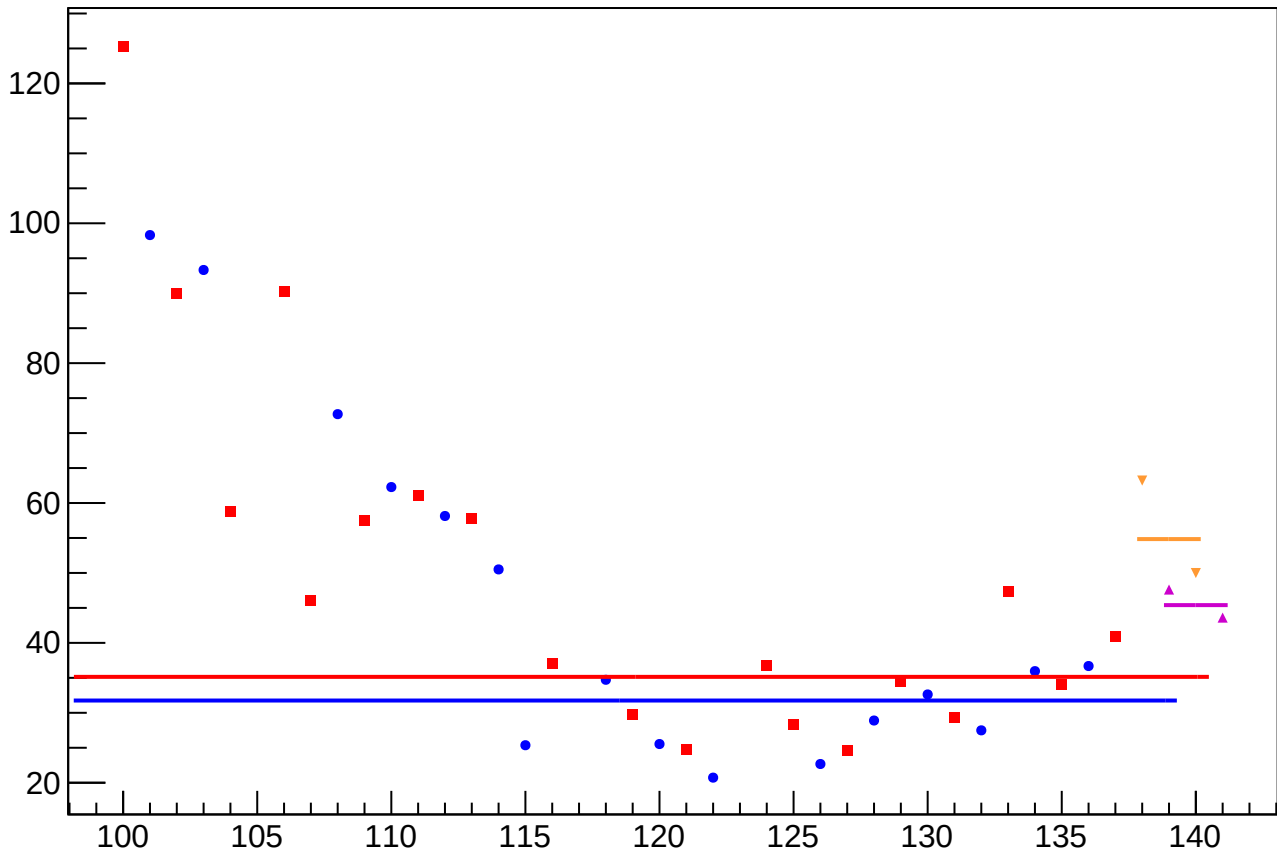
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.033 ± 0.013 χ^2/NDF : 15.2/17

All: -0.014 ± 0.009 χ^2/NDF : 38.6/38

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

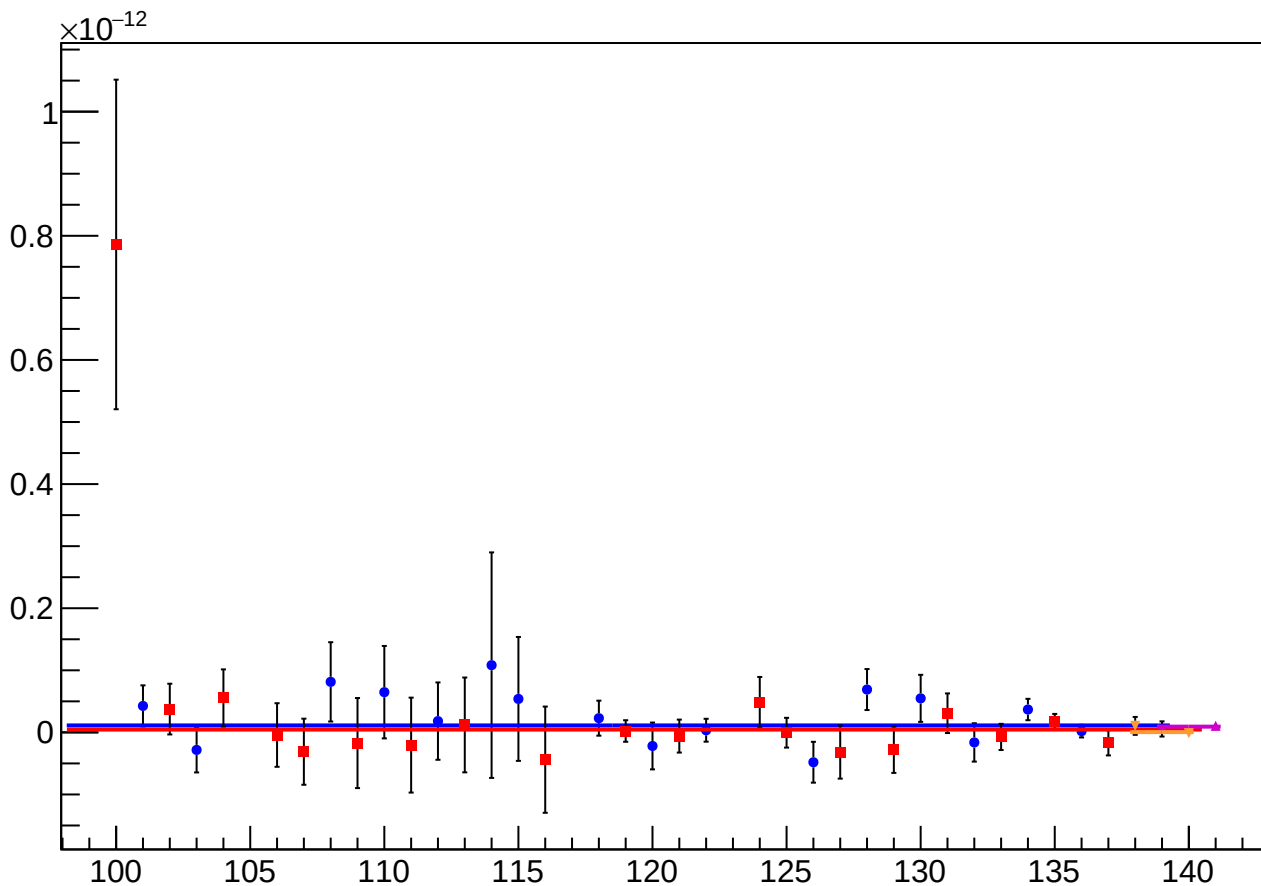
Left In: 45.399 $\pm$ 0.025 χ^2 /NDF: 6478.5/1

+ sign 33.606 $\pm$ 0.009 χ^2 /NDF: 2786426.5/17

All: 35.036 $\pm$ 0.006 χ^2 /NDF: 4838353.7/38

- sign 36.583 $\pm$ 0.009 χ^2 /NDF: 1998534.3/20

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

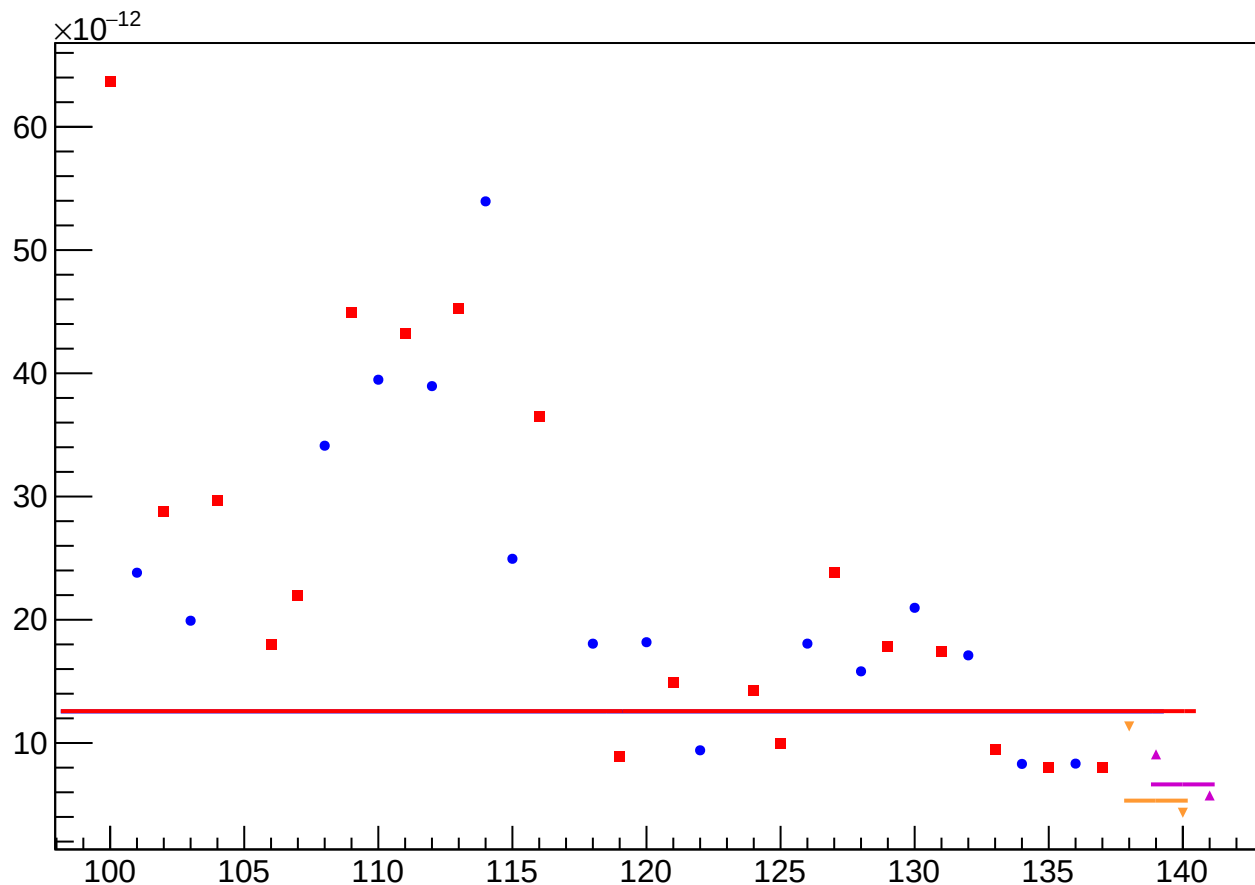
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/20

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2164553.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:405657.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2747891.7/18

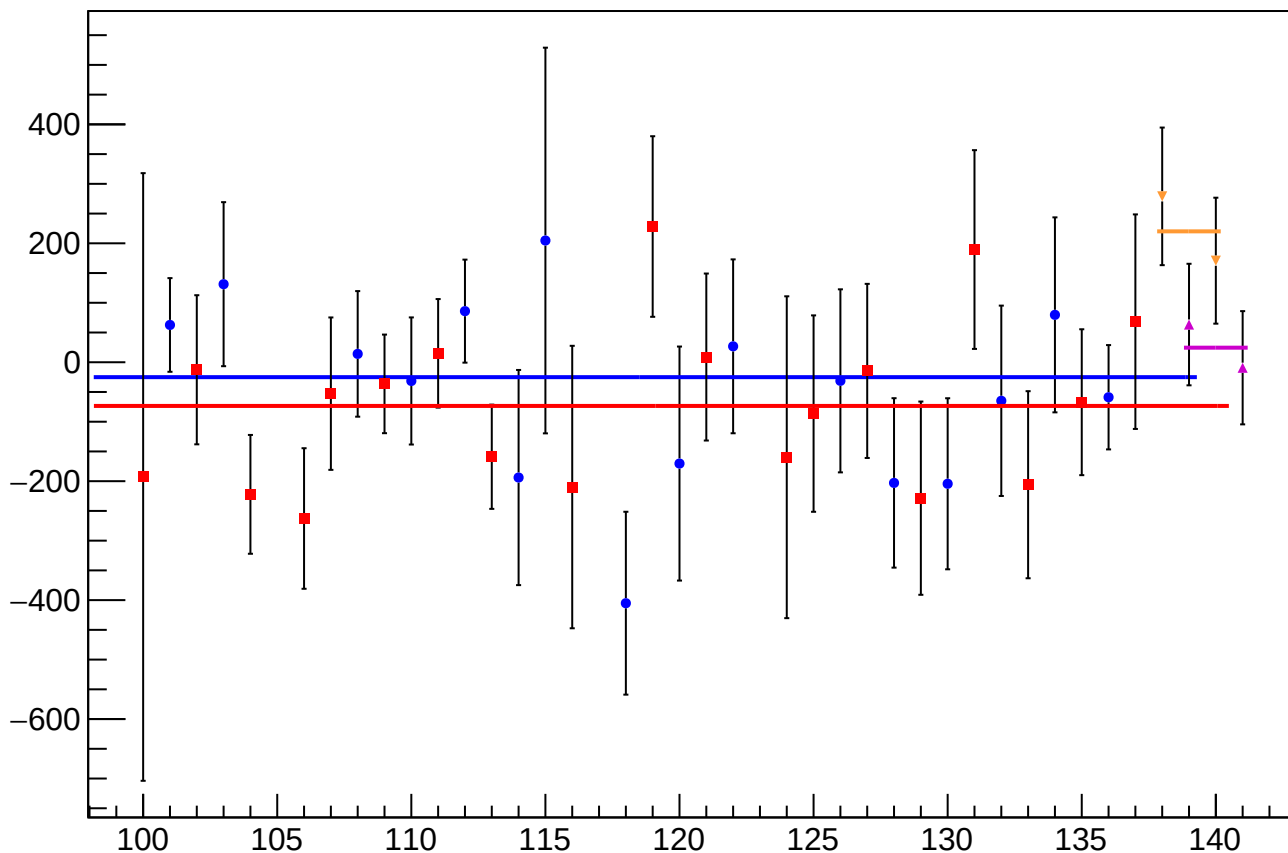
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:108788.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4052032.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7816917.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3694170.5/20

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 220.103 ± 78.116 χ^2/NDF : 0.5/1

Right Out: -73.458 ± 29.935 χ^2/NDF : 16.8/18

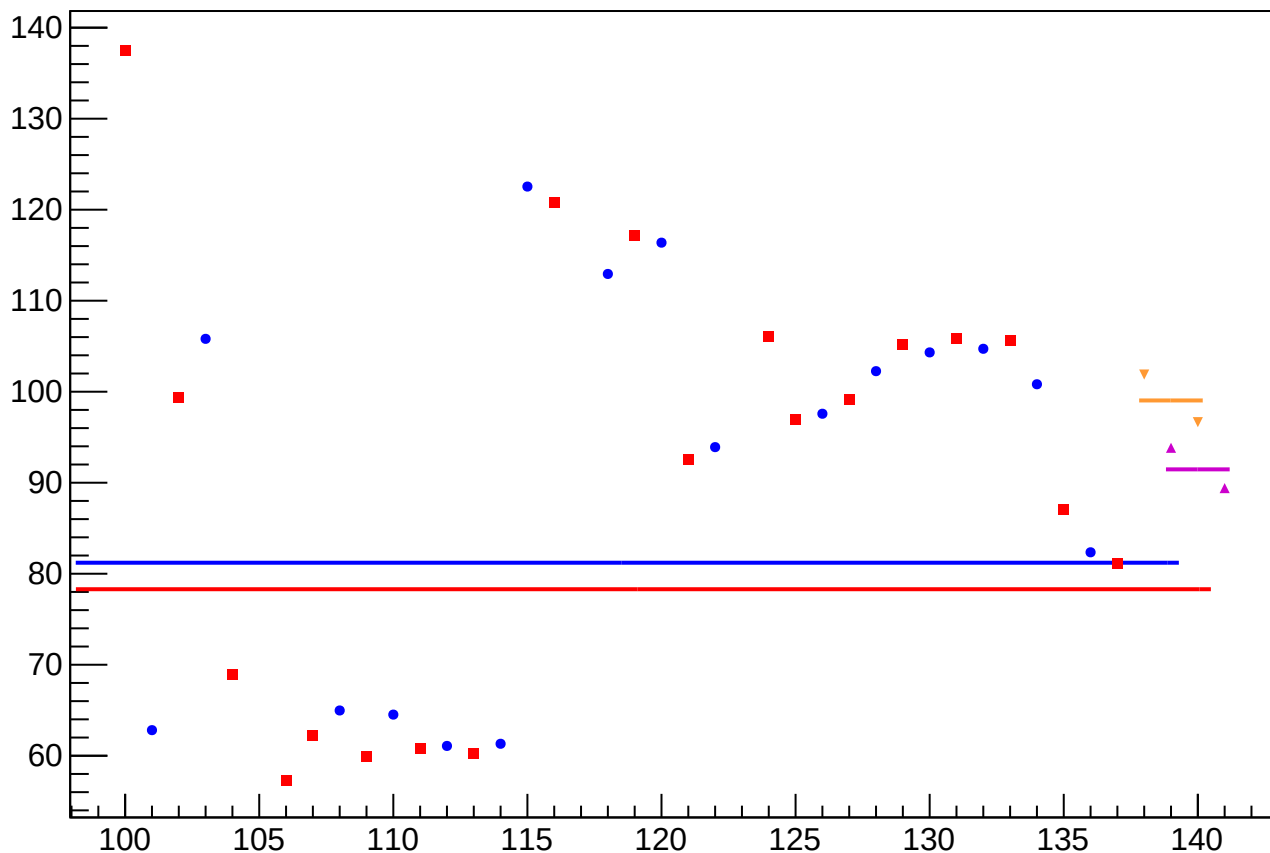
Left In: 24.497 ± 69.657 χ^2/NDF : 0.3/1

+ sign 8.714 ± 28.998 χ^2/NDF : 25.2/17

All: -26.506 ± 19.955 χ^2/NDF : 46.7/38

- sign -58.187 ± 27.503 χ^2/NDF : 18.7/20

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

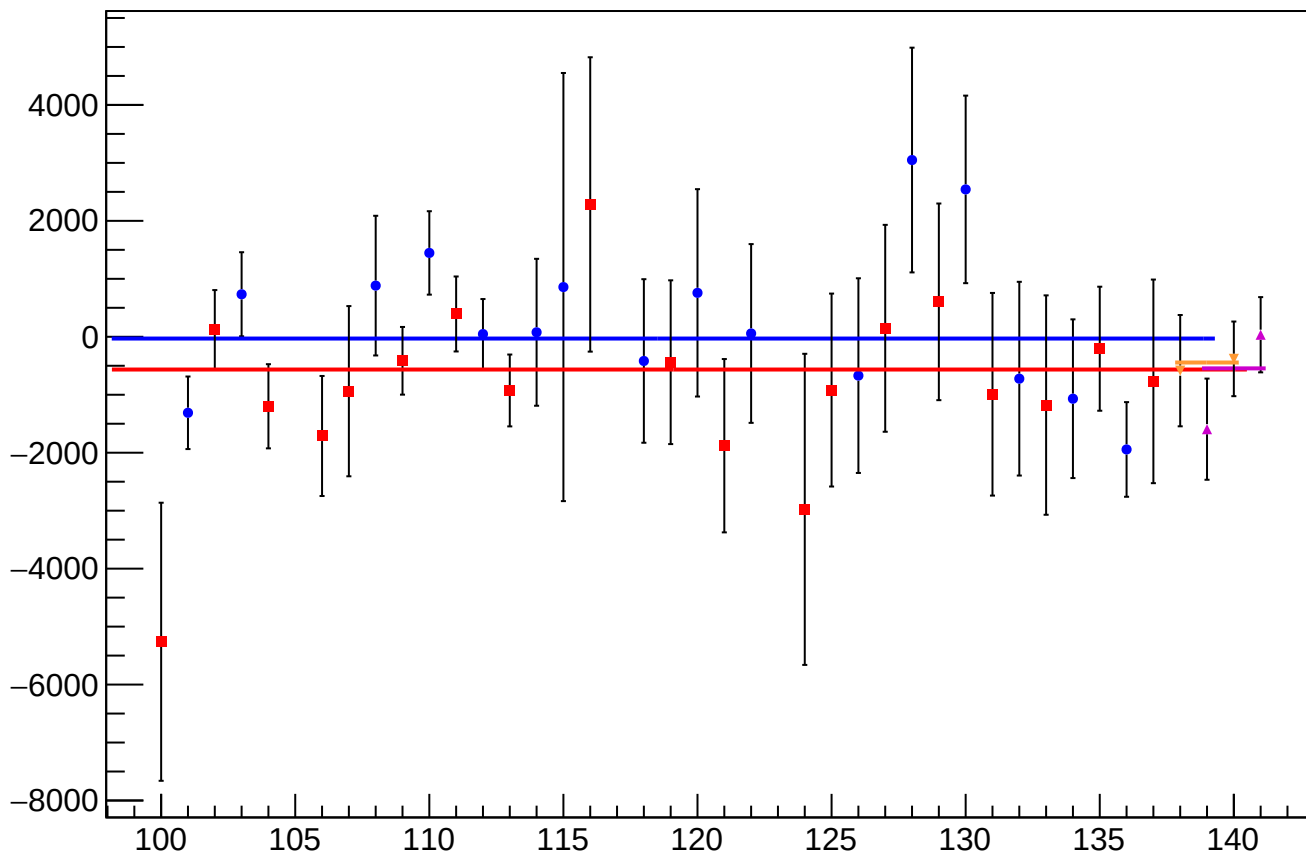
Left In: 91.467 $\pm$ 0.049 χ^2 /NDF: 2013.3/1

+ sign 83.667 $\pm$ 0.021 χ^2 /NDF: 879740.9/17

All: 81.921 $\pm$ 0.014 χ^2 /NDF: 1890538.6/38

- sign 80.351 $\pm$ 0.019 χ^2 /NDF: 997032.3/20

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

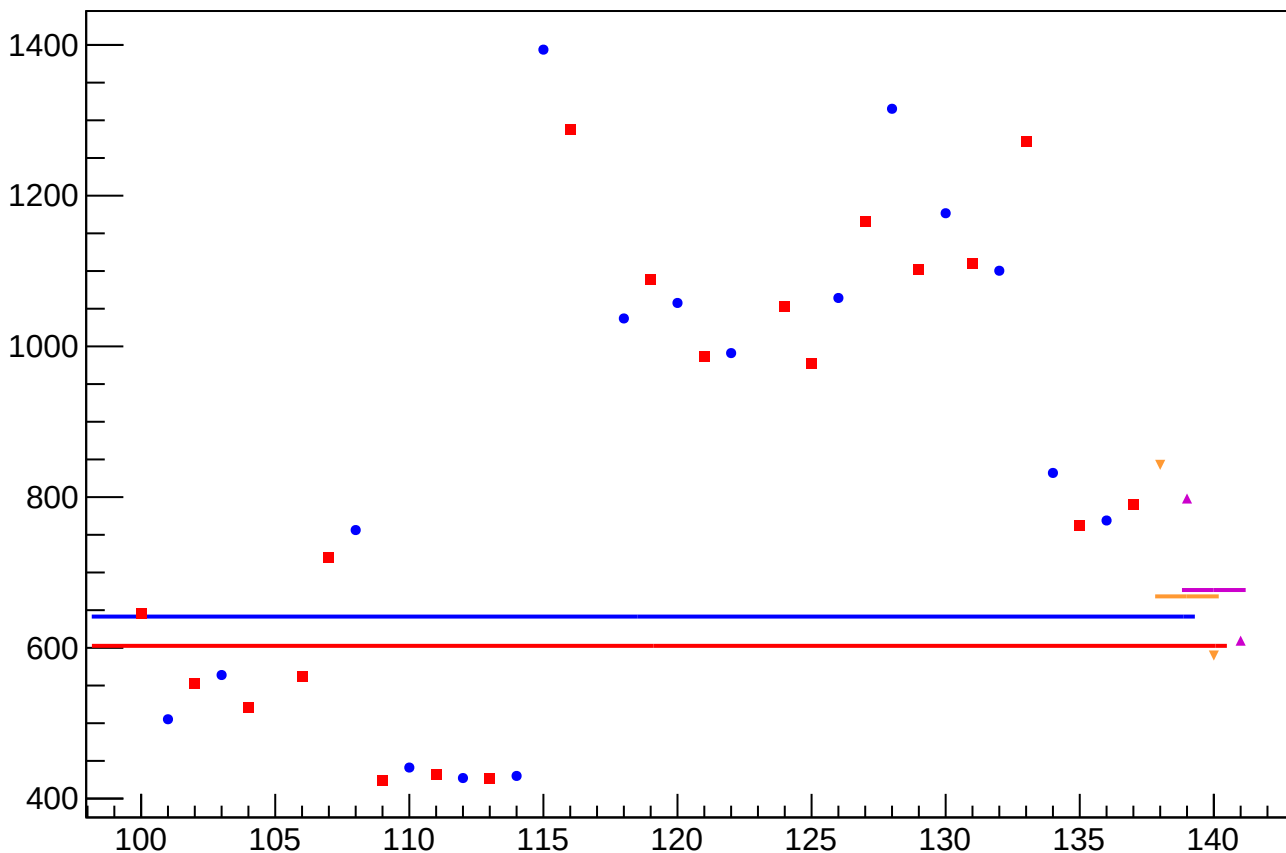
Left In: -545.092+/-520.818 χ^2/NDF : 2.2/1

+ sign -107.999+/-231.637 χ^2/NDF : 22.4/17

All: -349.675+/-158.301 χ^2/NDF : 40.0/38

- sign -561.458+/-216.839 χ^2/NDF : 15.5/20

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF : 1874990.8/15

Left Out: 668.291+/-0.378 χ^2/NDF : 95815.4/1

+ sign 646.526+/-0.164 χ^2/NDF : 1974884.7/17

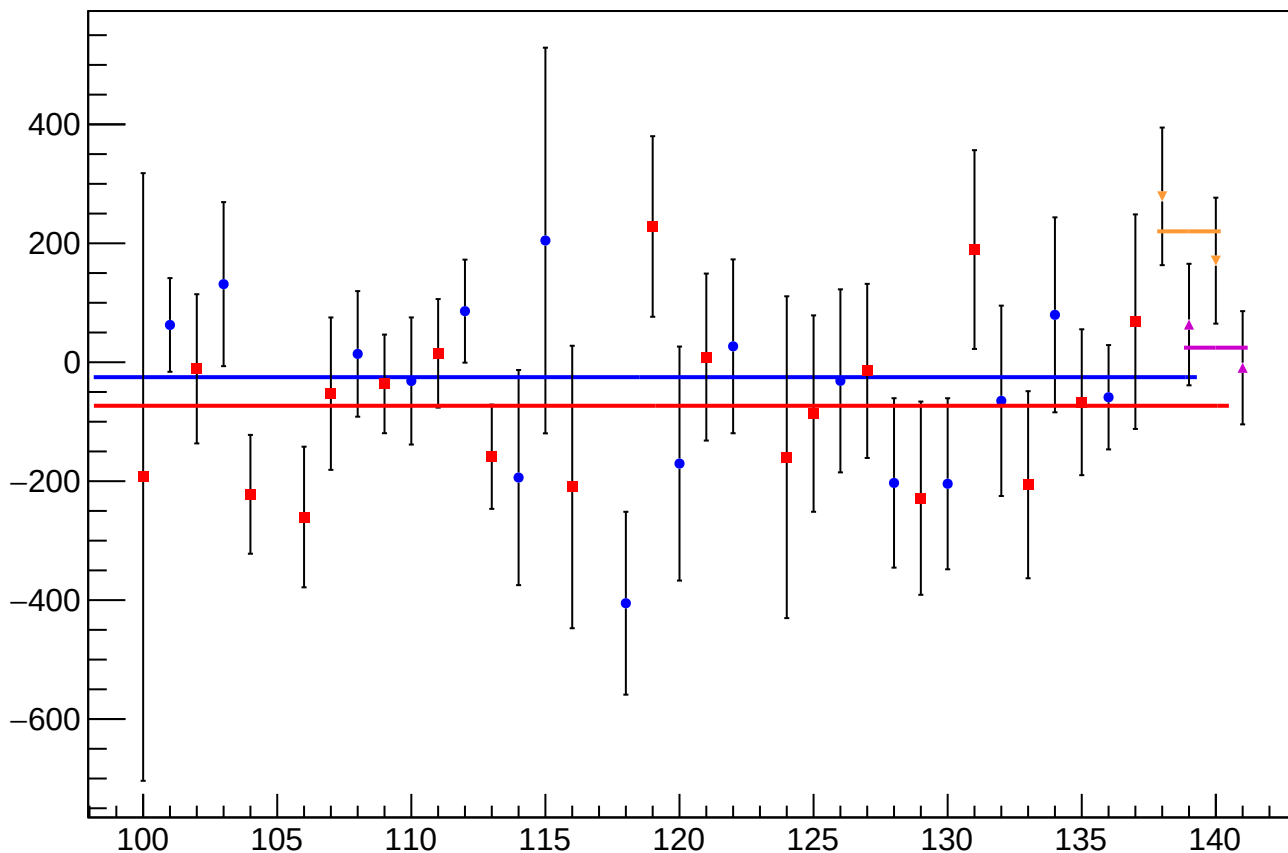
Right Out: 602.654+/-0.169 χ^2/NDF : 2070307.7/18

All: 629.988+/-0.112 χ^2/NDF : 4157939.2/38

- sign 615.495+/-0.153 χ^2/NDF : 2163925.3/20

Left In: 676.735+/-0.368 χ^2/NDF : 60167.3/1

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 ± 31.230 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 220.116 ± 78.116 $\chi^2/\text{NDF}: 0.5/1$

Right Out: -73.193 ± 29.937 $\chi^2/\text{NDF}: 16.7/18$

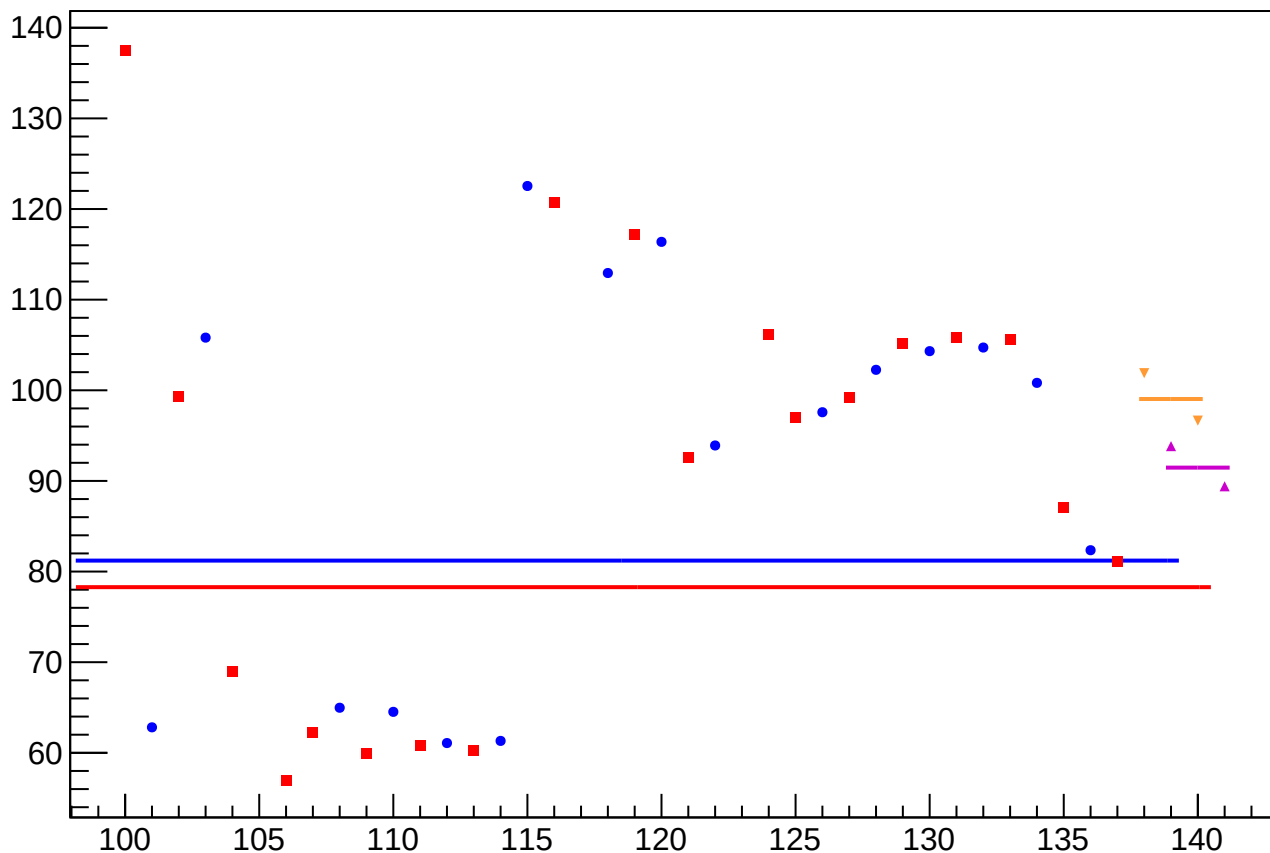
Left In: 24.489 ± 69.657 $\chi^2/\text{NDF}: 0.3/1$

+ sign 8.713 ± 28.998 $\chi^2/\text{NDF}: 25.2/17$

All: -26.387 ± 19.956 $\chi^2/\text{NDF}: 46.6/38$

- sign -57.963 ± 27.504 $\chi^2/\text{NDF}: 18.7/20$

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

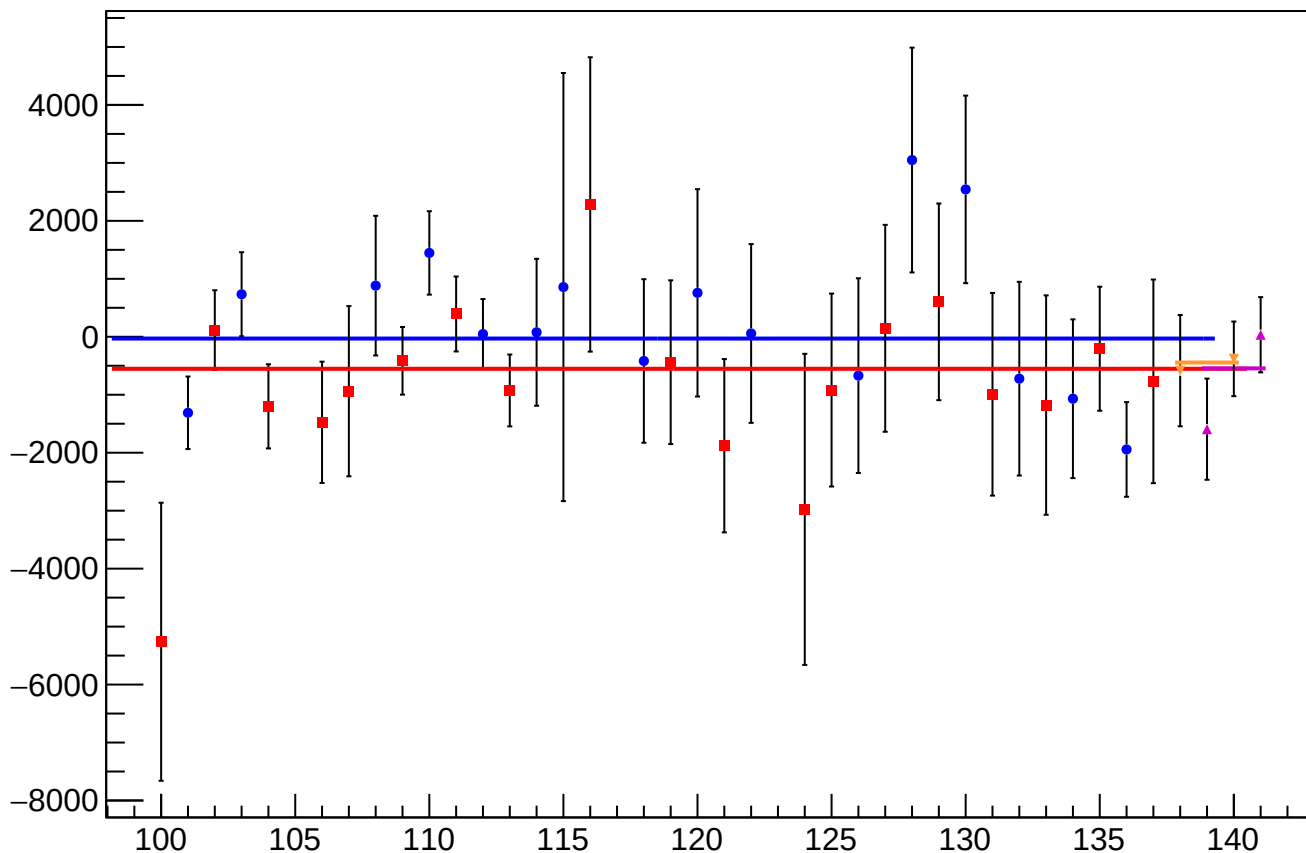
Left In: 91.467 $\pm$ 0.049 χ^2 /NDF:2013.3/1

+ sign 83.667 $\pm$ 0.021 χ^2 /NDF: 879743.1/17

All: 81.913 $\pm$ 0.014 χ^2 /NDF: 1892977.6/38

- sign 80.335 $\pm$ 0.019 χ^2 /NDF: 999340.5/20

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

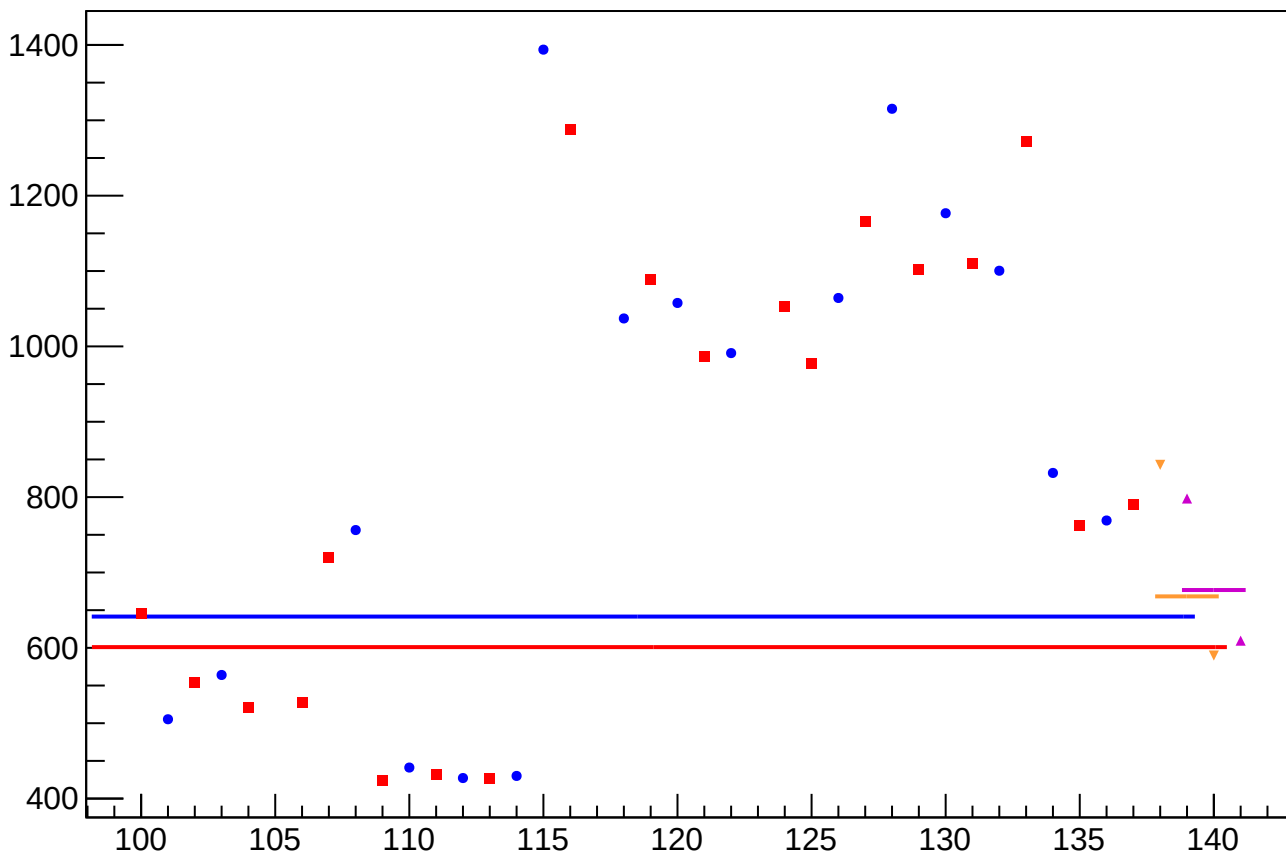
Left In: -545.114 ± 520.818 χ^2/NDF : 2.2/1

+ sign -108.021 ± 231.639 χ^2/NDF : 22.4/17

All: -343.873 ± 158.345 χ^2/NDF : 39.4/38

- sign -550.762 ± 216.950 χ^2/NDF : 15.1/20

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

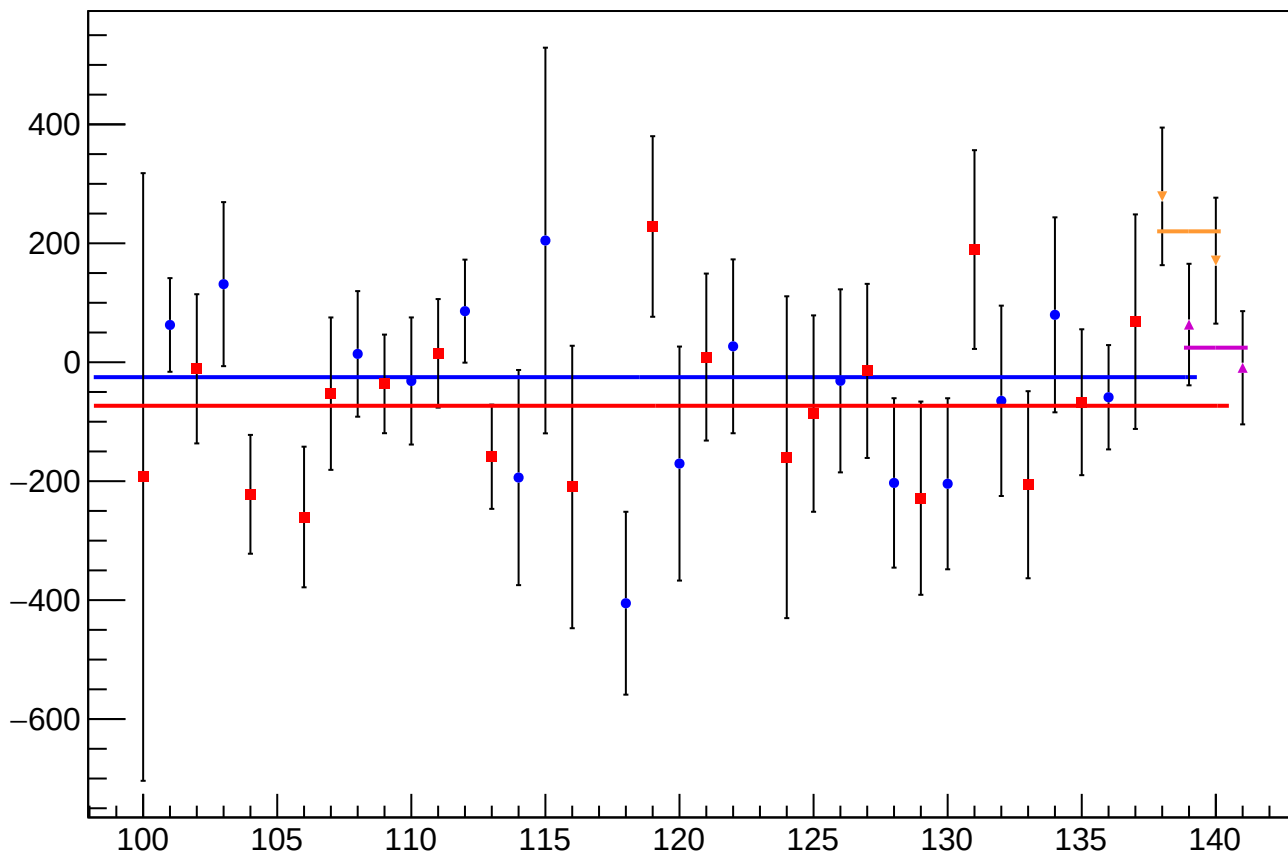
Left In: 676.735 $\pm$ 0.368 χ^2 /NDF: 60166.1/1

+ sign 646.533 $\pm$ 0.164 χ^2 /NDF: 1974841.2/17

All: 629.267 $\pm$ 0.112 χ^2 /NDF: 4168075.4/38

- sign 614.121 $\pm$ 0.153 χ^2 /NDF: 2172374.6/20

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 220.116 ± 78.116 χ^2/NDF : 0.5/1

Right Out: -73.193 ± 29.937 χ^2/NDF : 16.7/18

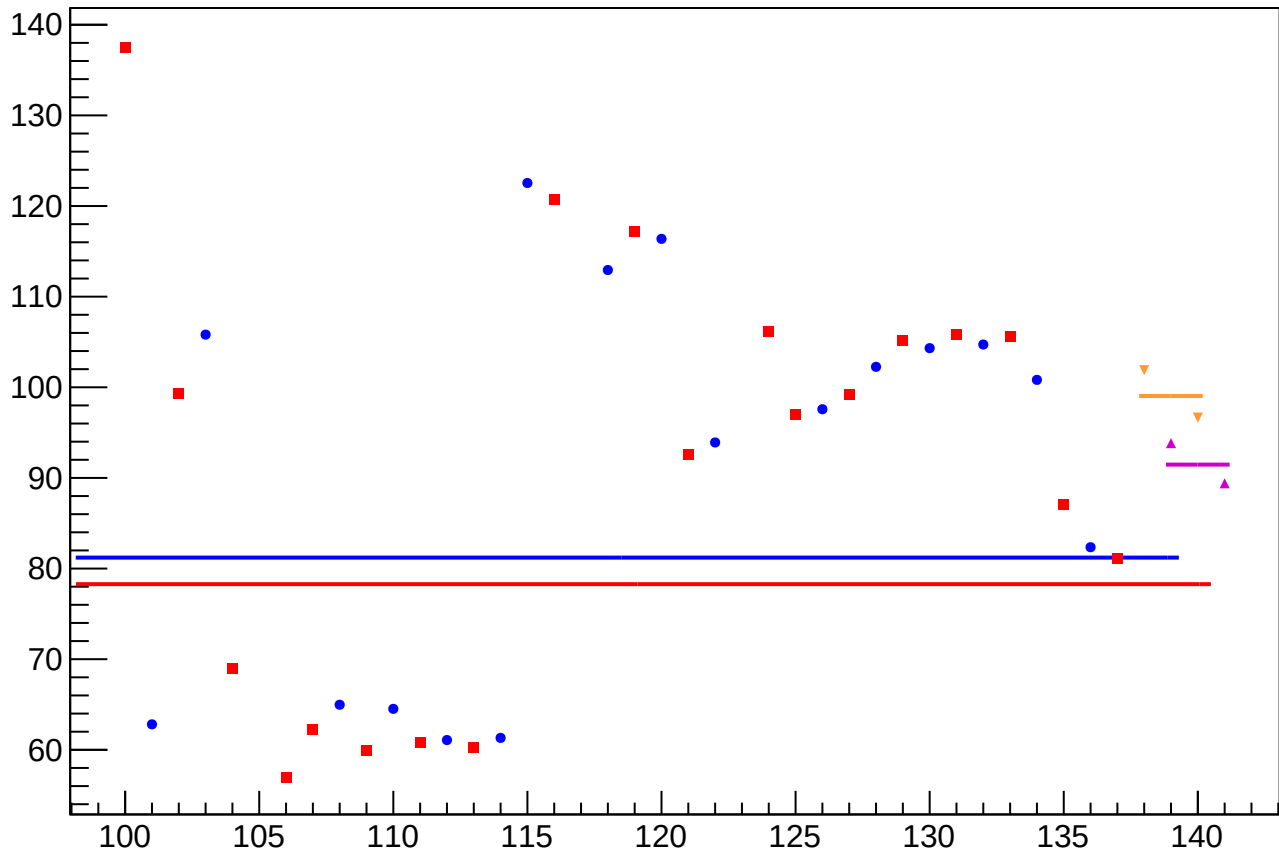
Left In: 24.489 ± 69.657 χ^2/NDF : 0.3/1

+ sign 8.713 ± 28.998 χ^2/NDF : 25.2/17

All: -26.387 ± 19.956 χ^2/NDF : 46.6/38

- sign -57.963 ± 27.504 χ^2/NDF : 18.7/20

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

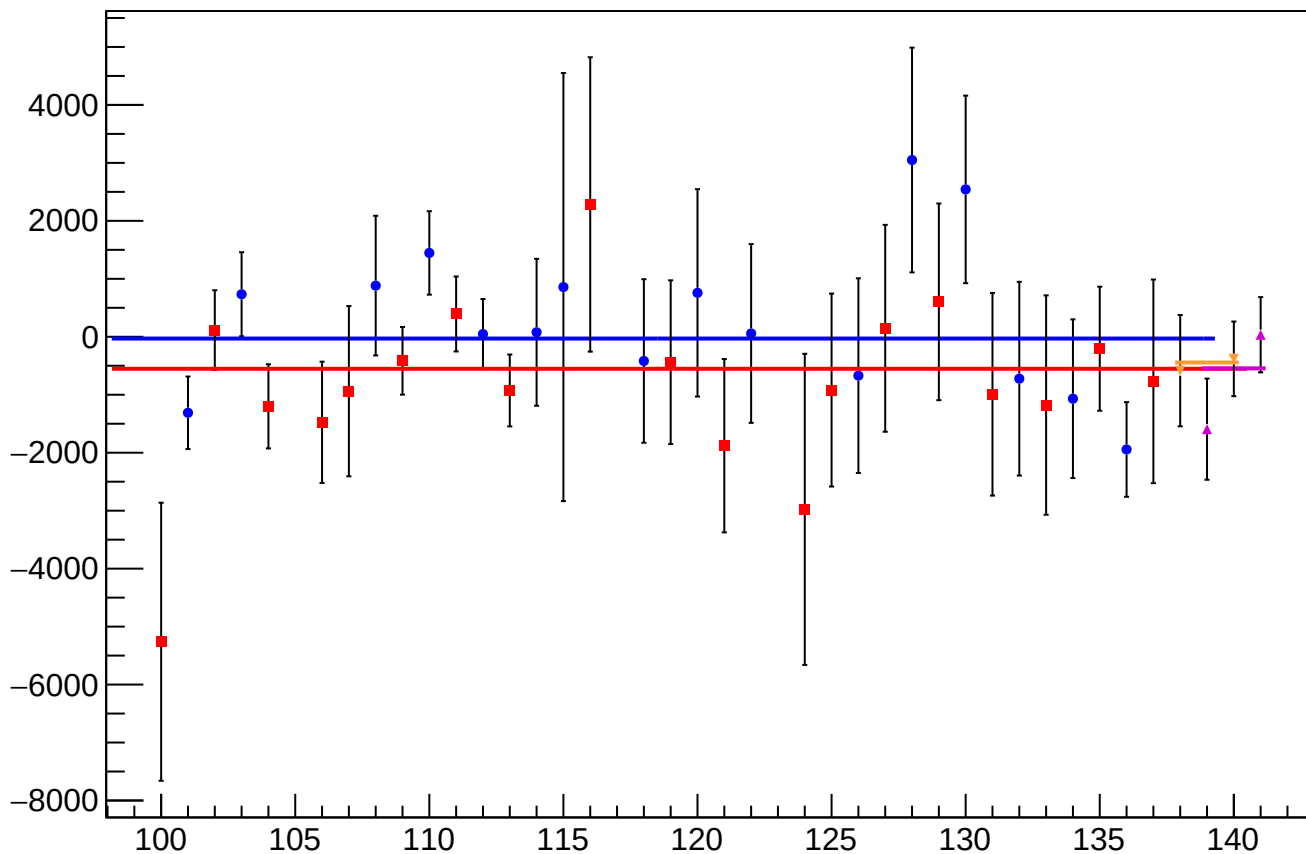
Left In: 91.467 $\pm$ 0.049 χ^2 /NDF:2013.3/1

+ sign 83.667 $\pm$ 0.021 χ^2 /NDF: 879743.1/17

All: 81.913 $\pm$ 0.014 χ^2 /NDF: 1892977.6/38

- sign 80.335 $\pm$ 0.019 χ^2 /NDF: 999340.5/20

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

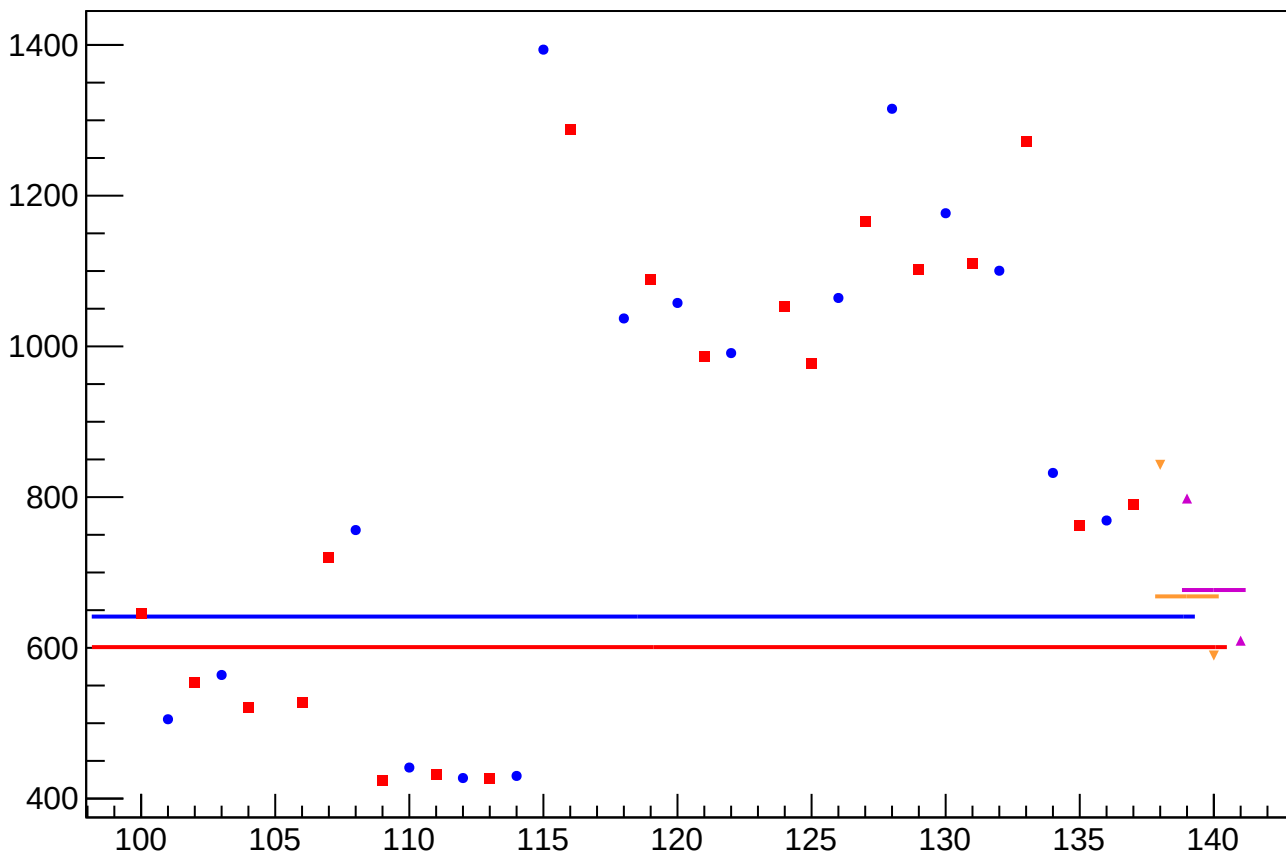
Left In: -545.114 ± 520.818 χ^2/NDF : 2.2/1

+ sign -108.021 ± 231.639 χ^2/NDF : 22.4/17

All: -343.873 ± 158.345 χ^2/NDF : 39.4/38

- sign -550.762 ± 216.950 χ^2/NDF : 15.1/20

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

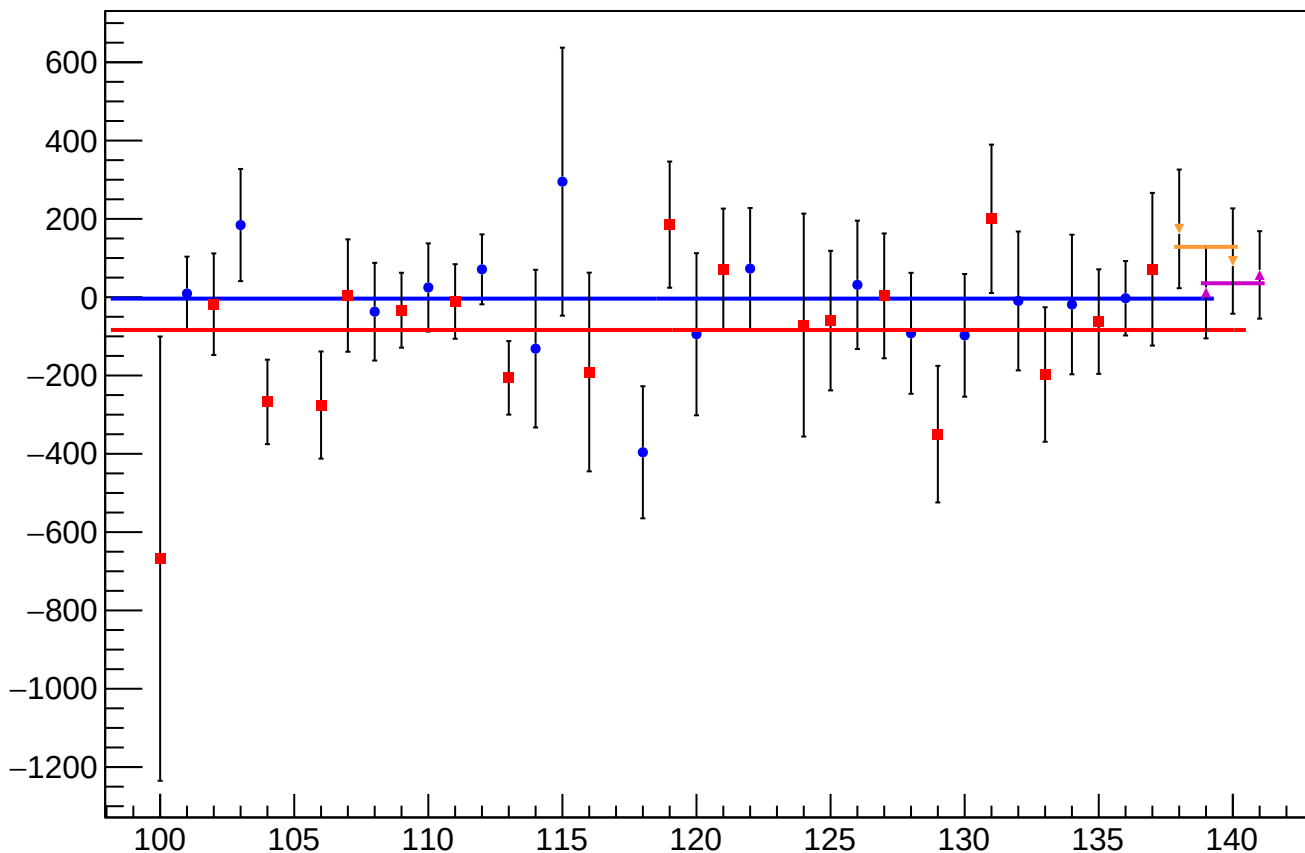
Left In: 676.735+/-0.368 χ^2/NDF : 60166.1/1

+ sign 646.533+/-0.164 χ^2/NDF : 1974841.2/17

All: 629.267+/-0.112 χ^2/NDF : 4168075.4/38

- sign 614.121+/-0.153 χ^2/NDF : 2172374.6/20

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635 ± 34.152 χ^2/NDF : 10.3/15

Left Out: 128.508 ± 100.611 χ^2/NDF : 0.2/1

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

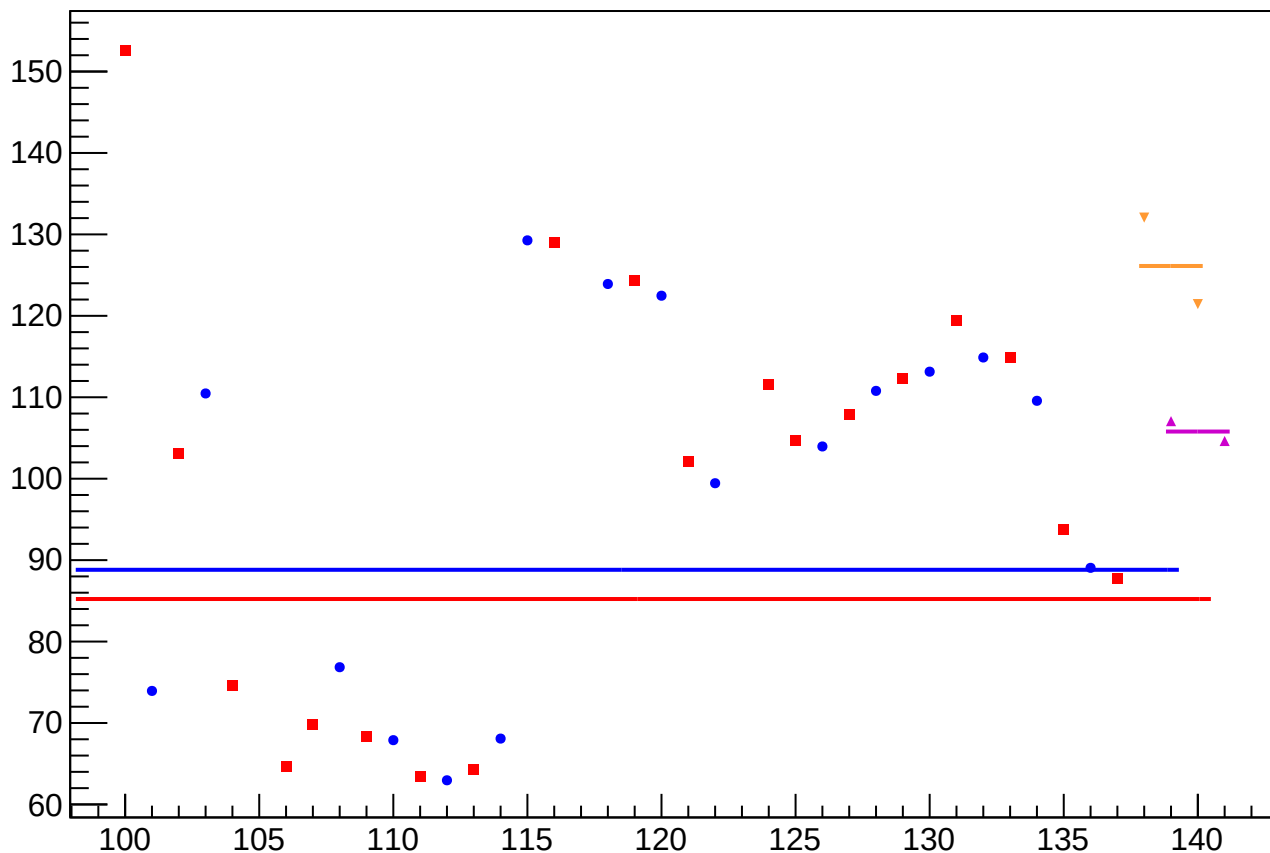
Left In: 35.594 ± 80.873 χ^2/NDF : 0.1/1

+ sign 10.018 ± 32.340 χ^2/NDF : 12.0/17

All: -31.032 ± 22.096 χ^2/NDF : 36.1/38

- sign -66.976 ± 30.262 χ^2/NDF : 21.0/20

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF : 724609.8/15

Left Out: 126.121+/-0.071 χ^2/NDF : 5493.6/1

Right Out: 85.225+/-0.023 χ^2/NDF : 884071.4/18

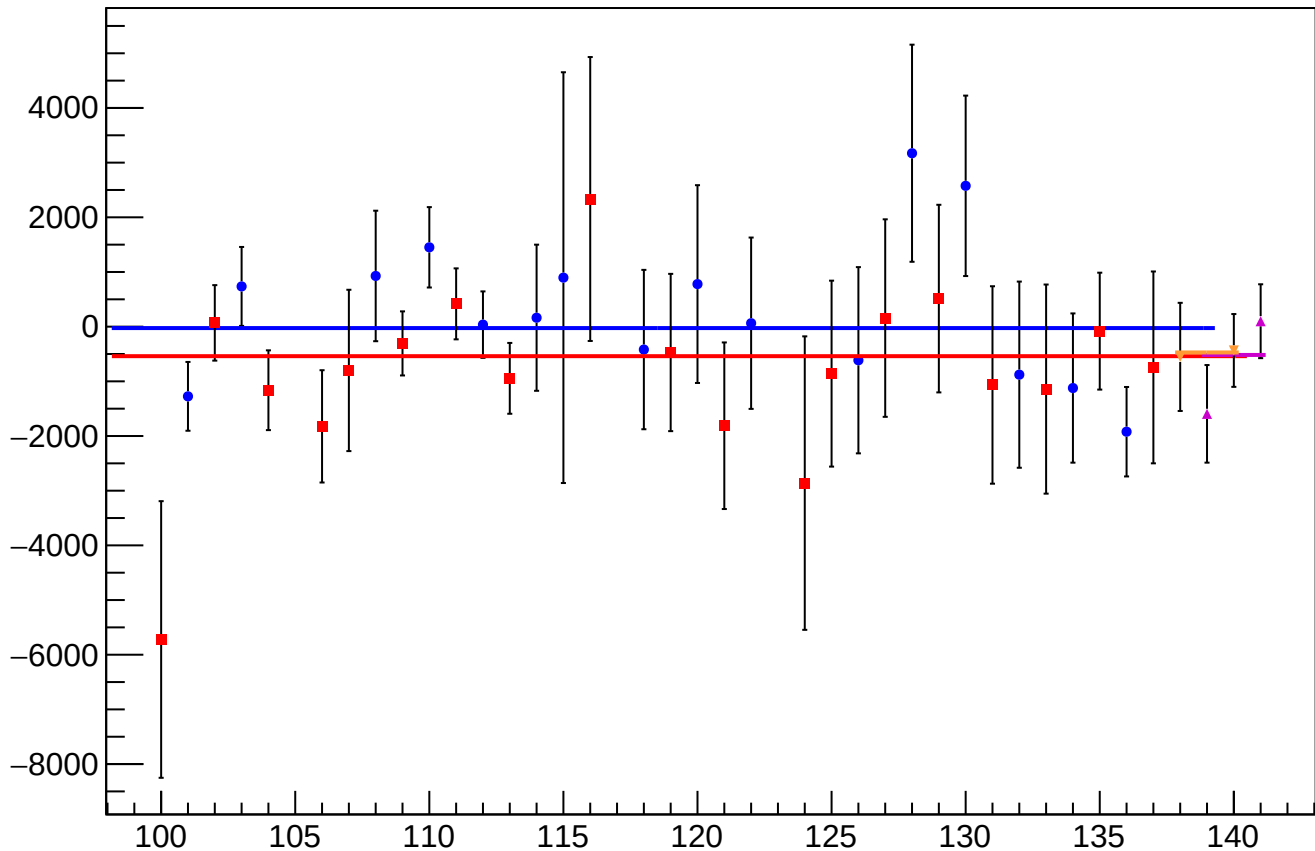
Left In: 105.790+/-0.057 χ^2/NDF : 453.2/1

+ sign 92.668+/-0.023 χ^2/NDF : 976684.8/17

All: 90.235+/-0.016 χ^2/NDF : 1993663.5/38

- sign 88.104+/-0.021 χ^2/NDF : 995743.6/20

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770 ± 259.401 χ^2/NDF : 21.6/15

Left Out: -471.819 ± 552.330 χ^2/NDF : 0.0/1

Right Out: -539.635 ± 241.238 χ^2/NDF : 13.6/18

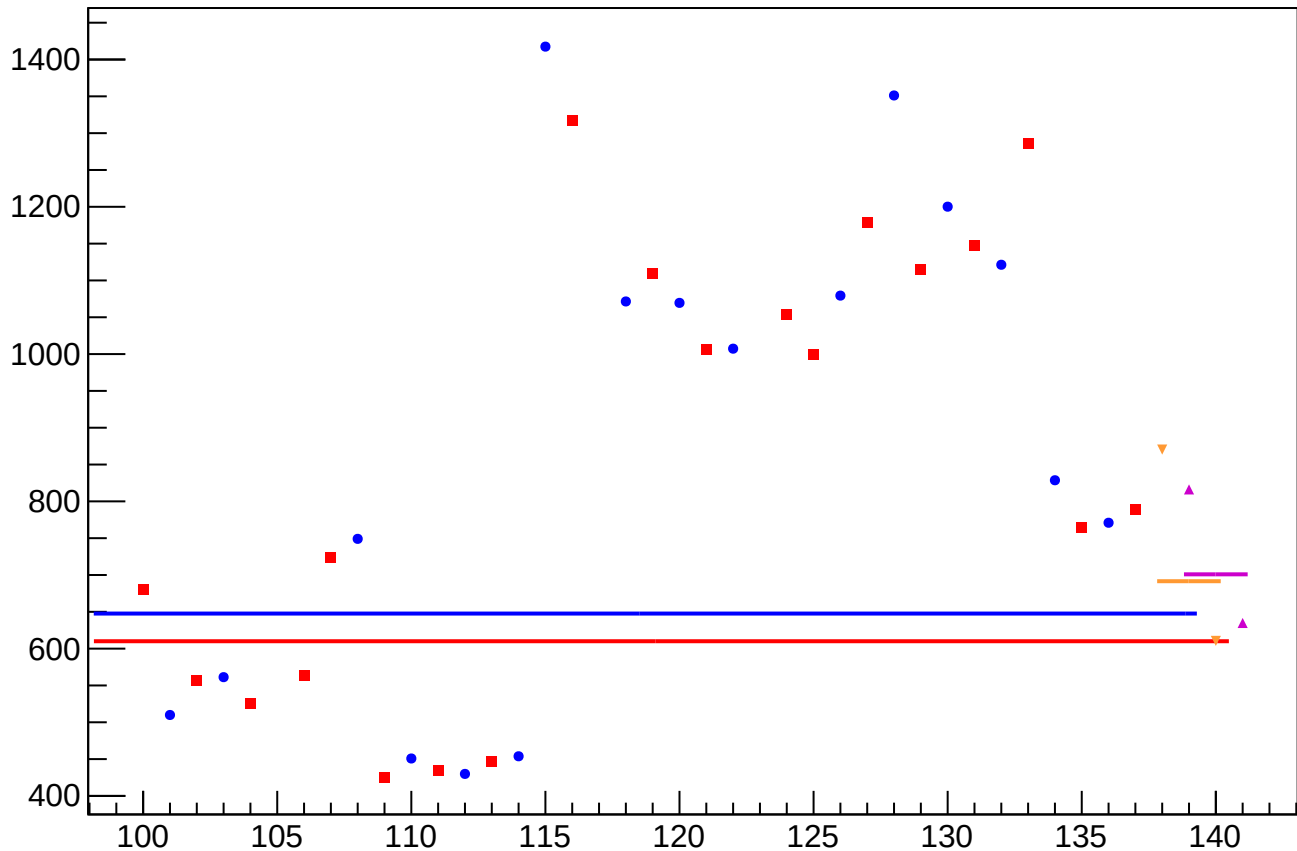
Left In: -517.420 ± 538.679 χ^2/NDF : 2.3/1

+ sign -106.376 ± 234.796 χ^2/NDF : 22.1/17

All: -334.946 ± 160.605 χ^2/NDF : 39.8/38

- sign -535.924 ± 220.169 χ^2/NDF : 15.9/20

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF : 1887815.9/15

Left Out: 691.565+/-0.391 χ^2/NDF : 94978.4/1

Right Out: 610.061+/-0.171 χ^2/NDF : 2074248.2/18

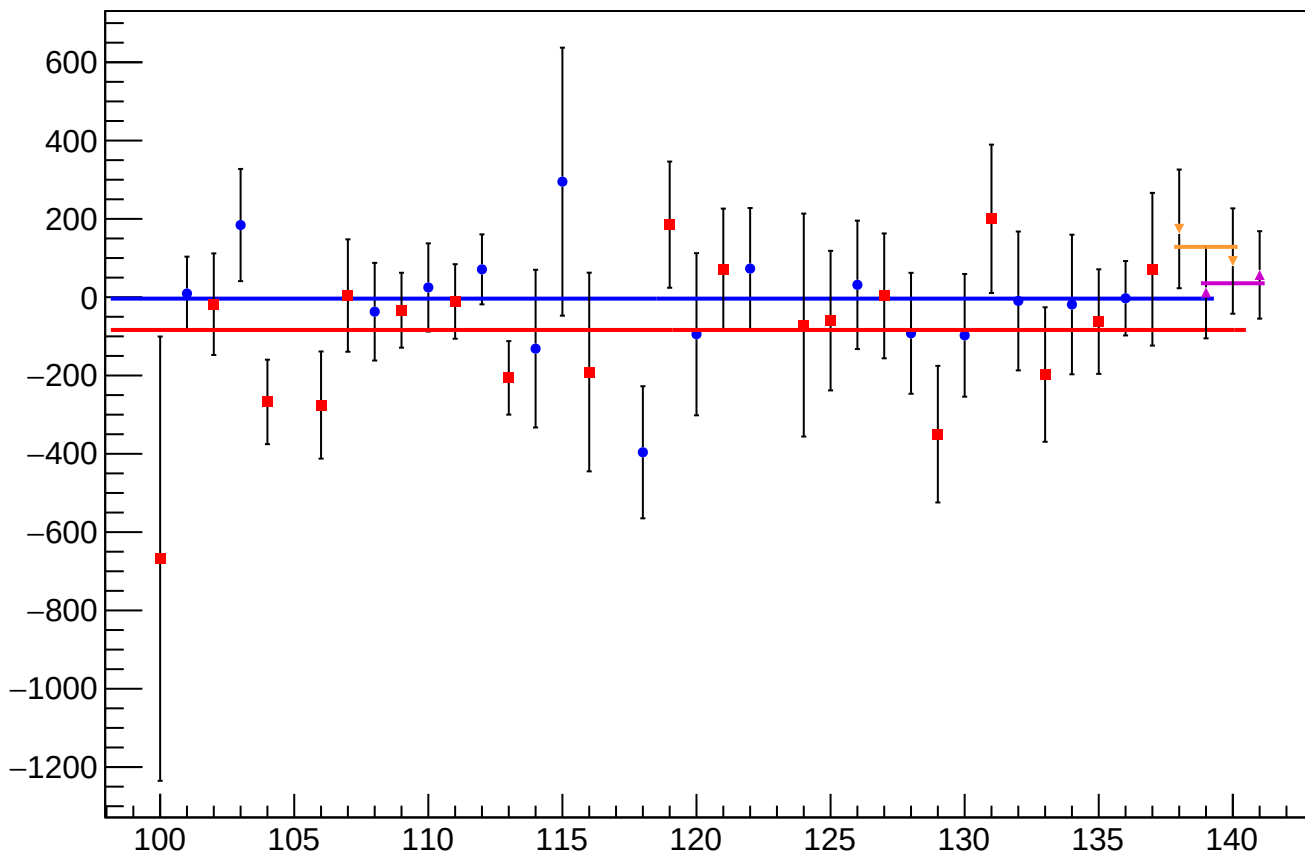
Left In: 700.913+/-0.381 χ^2/NDF : 52503.9/1

+ sign 655.578+/-0.166 χ^2/NDF : 1993157.2/17

All: 639.433+/-0.114 χ^2/NDF : 4185066.8/38

- sign 625.238+/-0.156 χ^2/NDF : 2174138.9/20

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633 ± 34.152 χ^2/NDF : 10.3/15

Left Out: 128.510 ± 100.611 χ^2/NDF : 0.2/1

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

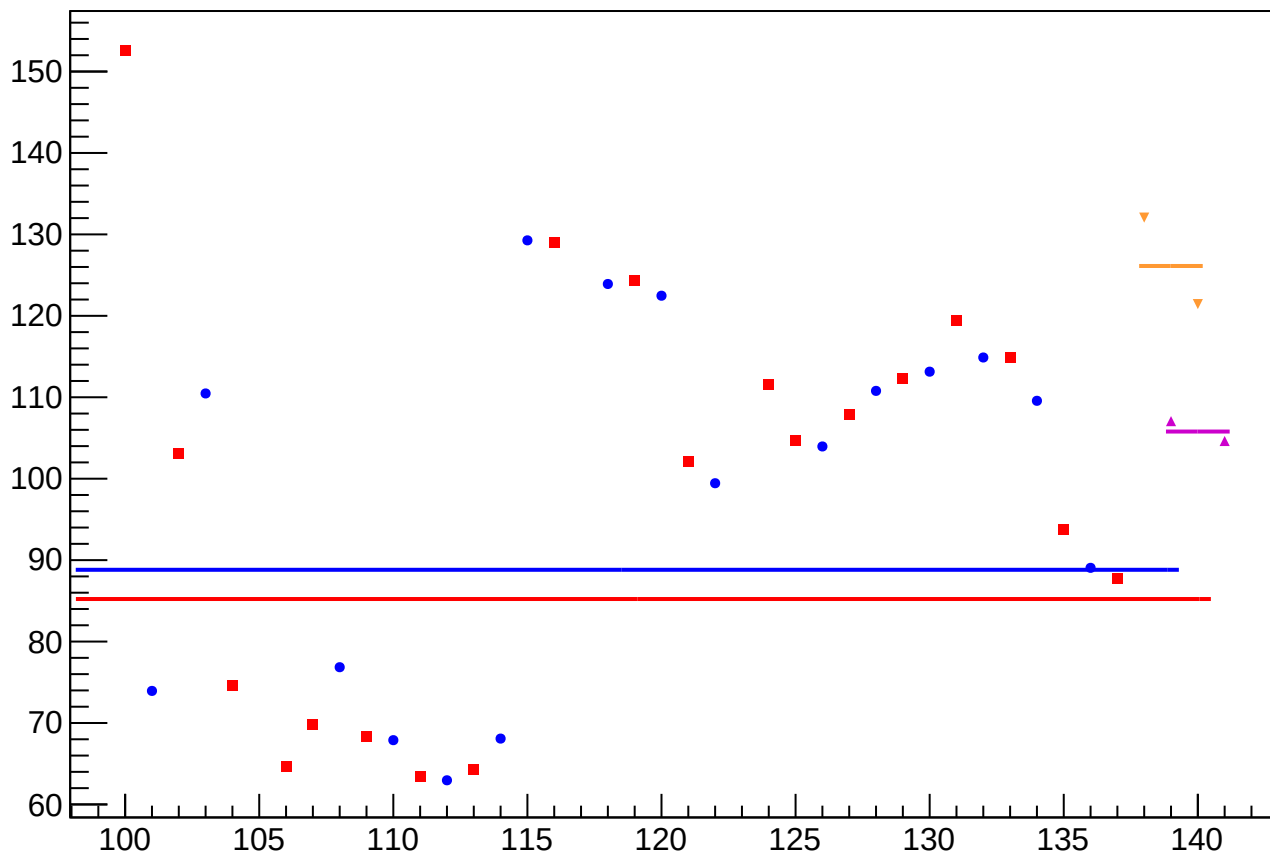
Left In: 35.594 ± 80.873 χ^2/NDF : 0.1/1

+ sign 10.020 ± 32.340 χ^2/NDF : 12.0/17

All: -31.031 ± 22.096 χ^2/NDF : 36.1/38

- sign -66.976 ± 30.262 χ^2/NDF : 21.0/20

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF : 724609.7/15

Left Out: 126.121+/-0.071 χ^2/NDF : 5493.2/1

Right Out: 85.225+/-0.023 χ^2/NDF : 884073.3/18

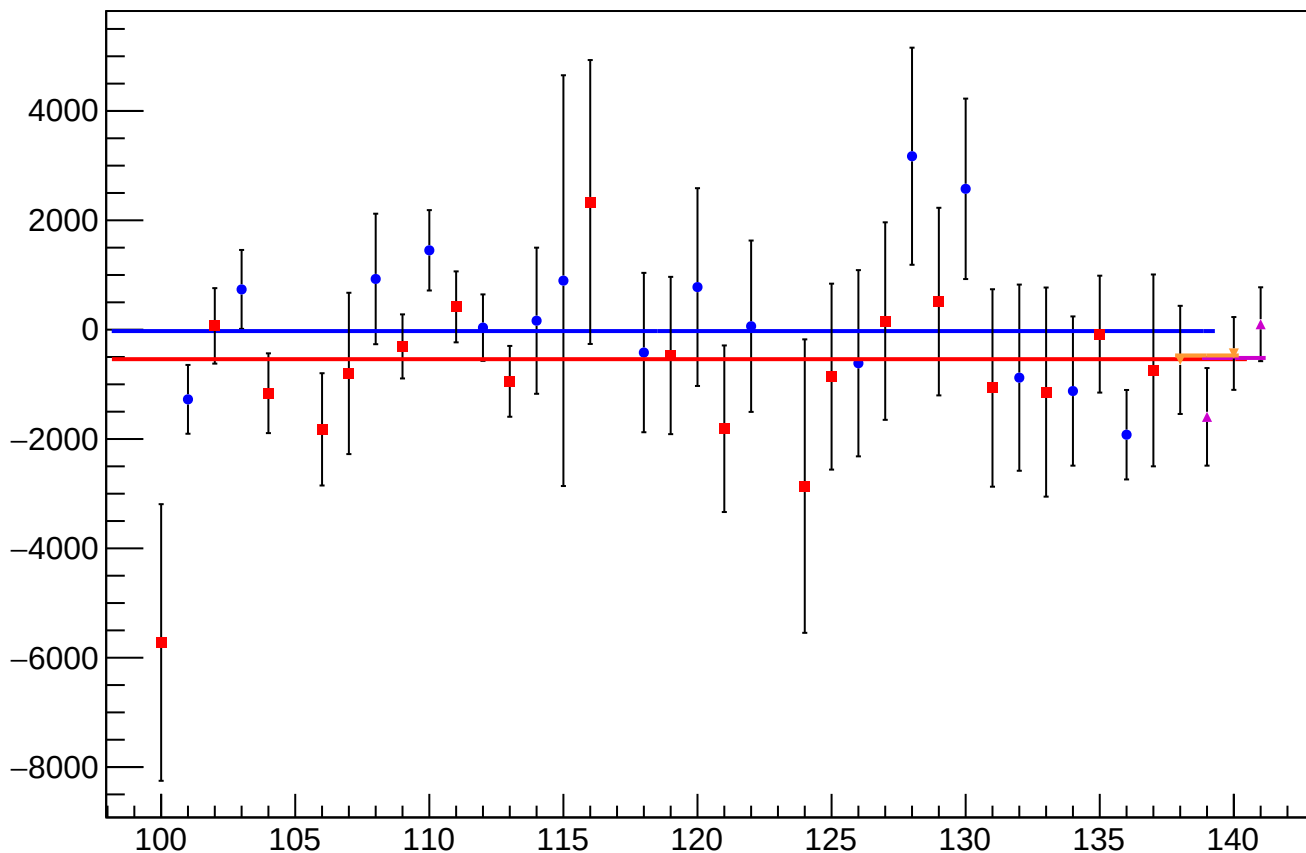
Left In: 105.790+/-0.057 χ^2/NDF : 453.1/1

+ sign 92.668+/-0.023 χ^2/NDF : 976686.8/17

All: 90.235+/-0.016 χ^2/NDF : 1993669.6/38

- sign 88.104+/-0.021 χ^2/NDF : 995747.7/20

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

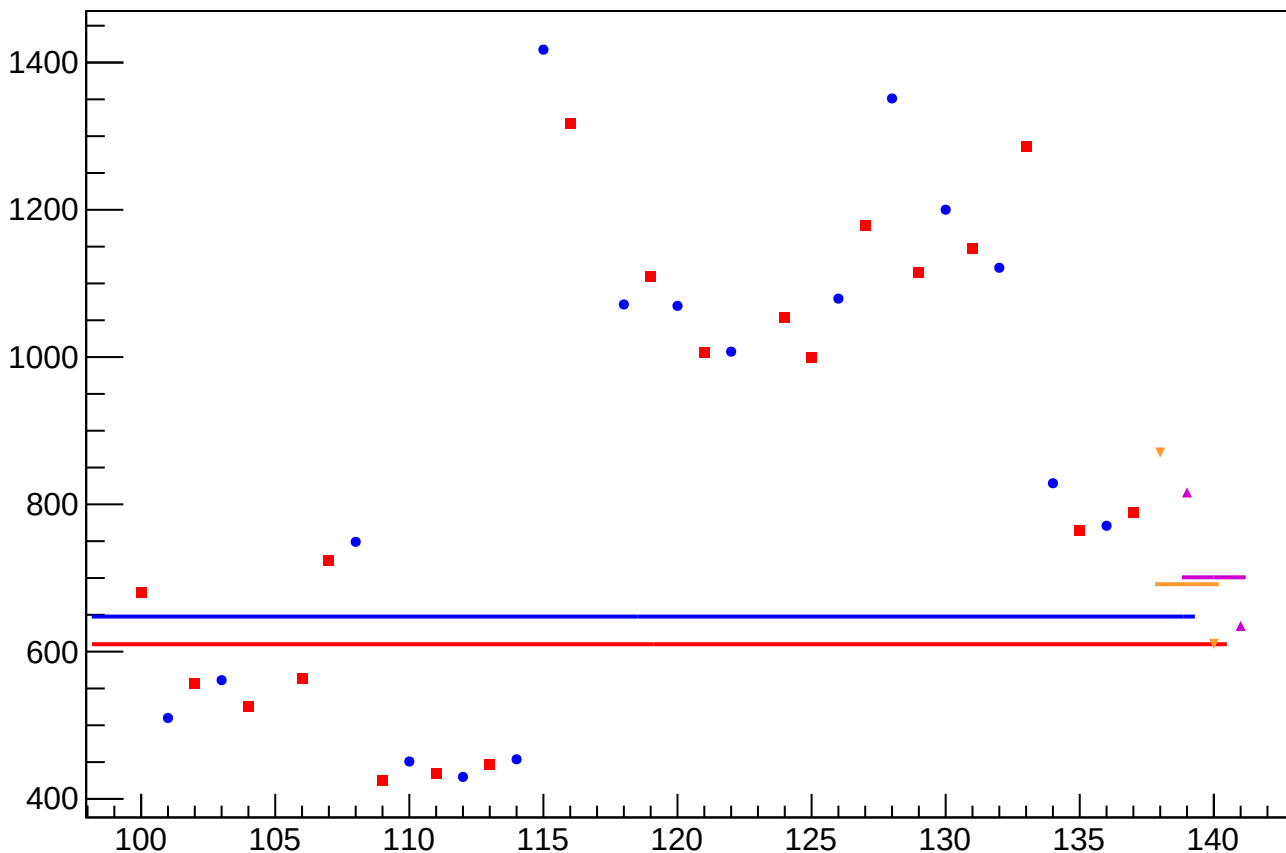
Left In: -517.421 ± 538.678 χ^2/NDF : 2.3/1

+ sign -106.376 ± 234.796 χ^2/NDF : 22.1/17

All: -334.946 ± 160.605 χ^2/NDF : 39.8/38

- sign -535.924 ± 220.168 χ^2/NDF : 15.9/20

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640 $\pm$ 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

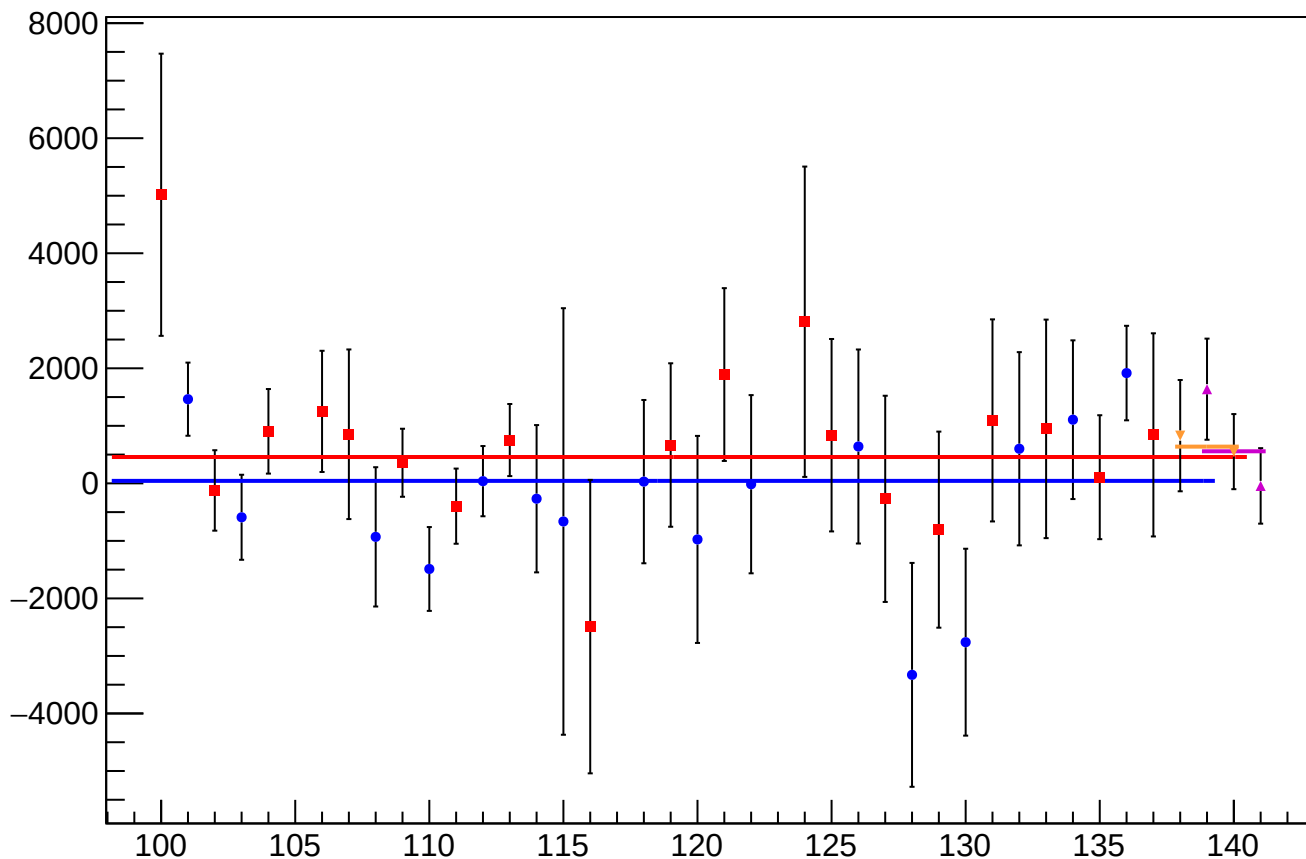
Left In: 700.912 $\pm$ 0.381 χ^2 /NDF: 52504.1/1

+ sign 655.577 $\pm$ 0.166 χ^2 /NDF: 1993161.9/17

All: 639.433 $\pm$ 0.114 χ^2 /NDF: 4185074.8/38

- sign 625.237 $\pm$ 0.156 χ^2 /NDF: 2174142.3/20

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF : 23.2/15

Left Out: 638.565+/-541.107 χ^2/NDF : 0.1/1

Right Out: 458.111+/-241.118 χ^2/NDF : 11.3/18

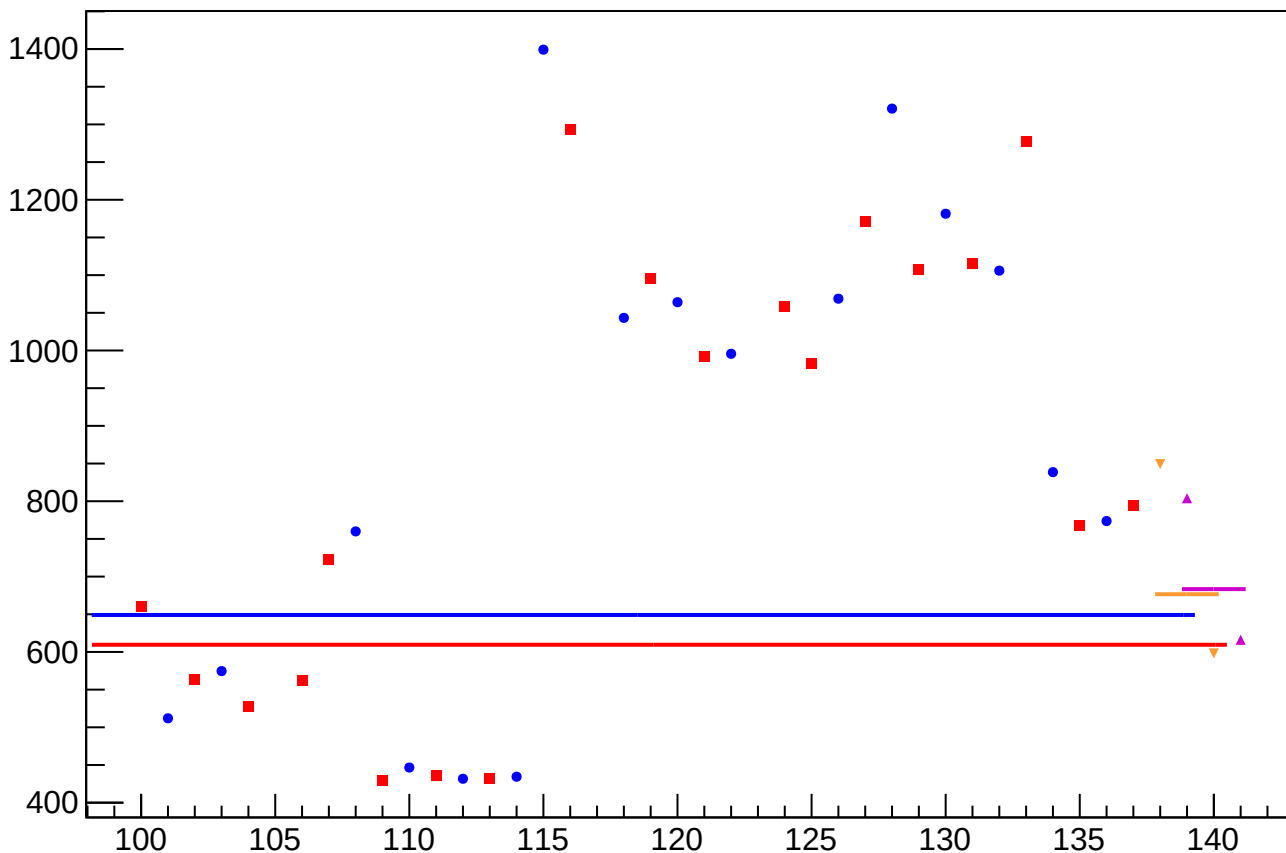
Left In: 557.490+/-525.774 χ^2/NDF : 2.4/1

+ sign 154.692+/-234.201 χ^2/NDF : 24.3/17

All: 325.656+/-160.027 χ^2/NDF : 38.9/38

- sign 475.380+/-219.170 χ^2/NDF : 13.6/20

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF : 1845815.6/15

Left Out: 676.609+/-0.383 χ^2/NDF : 92689.1/1

Right Out: 609.516+/-0.170 χ^2/NDF : 2043591.1/18

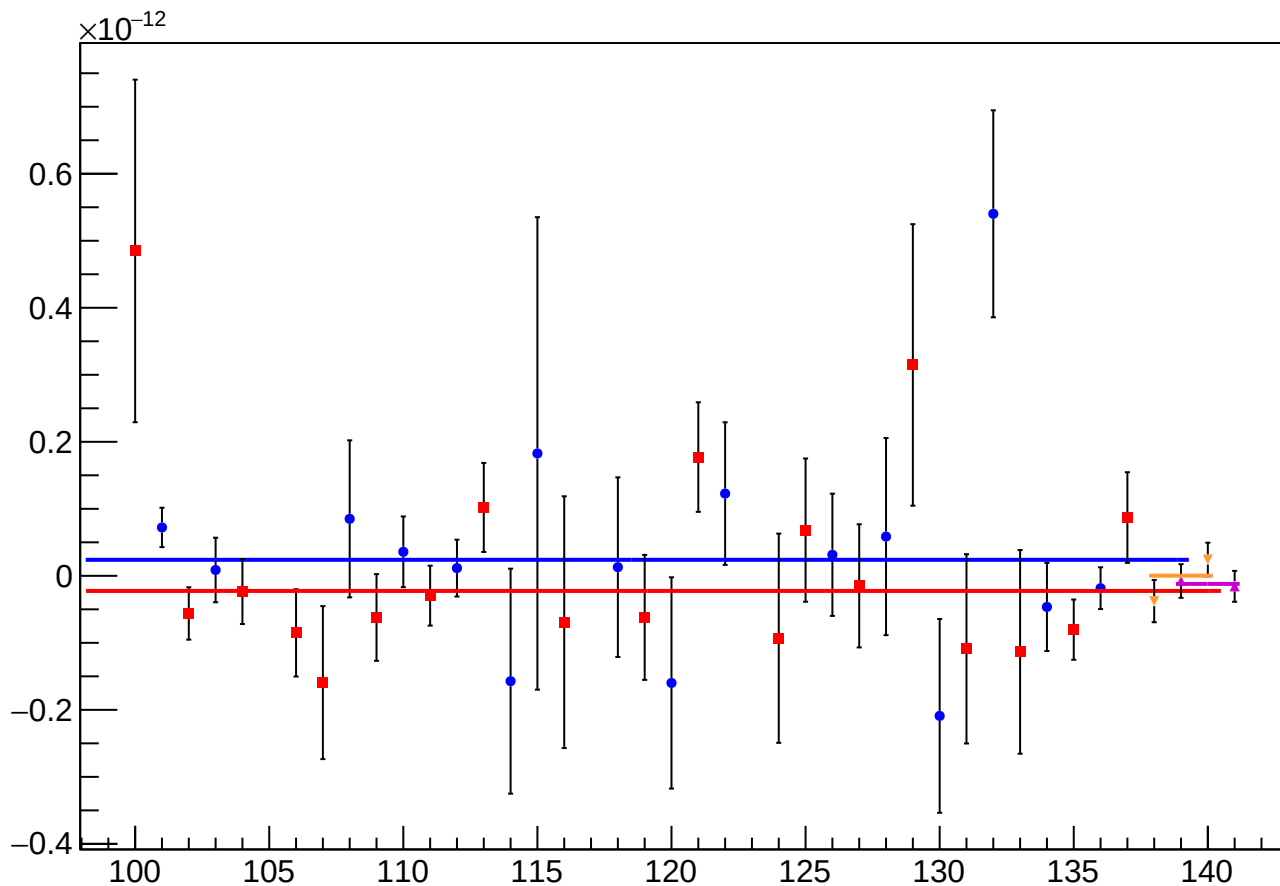
Left In: 683.385+/-0.372 χ^2/NDF : 58636.1/1

+ sign 654.246+/-0.166 χ^2/NDF : 1942708.4/17

All: 637.243+/-0.113 χ^2/NDF : 4097327.0/38

- sign 622.352+/-0.155 χ^2/NDF : 2134845.2/20

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 23.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 2.4/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.7/18

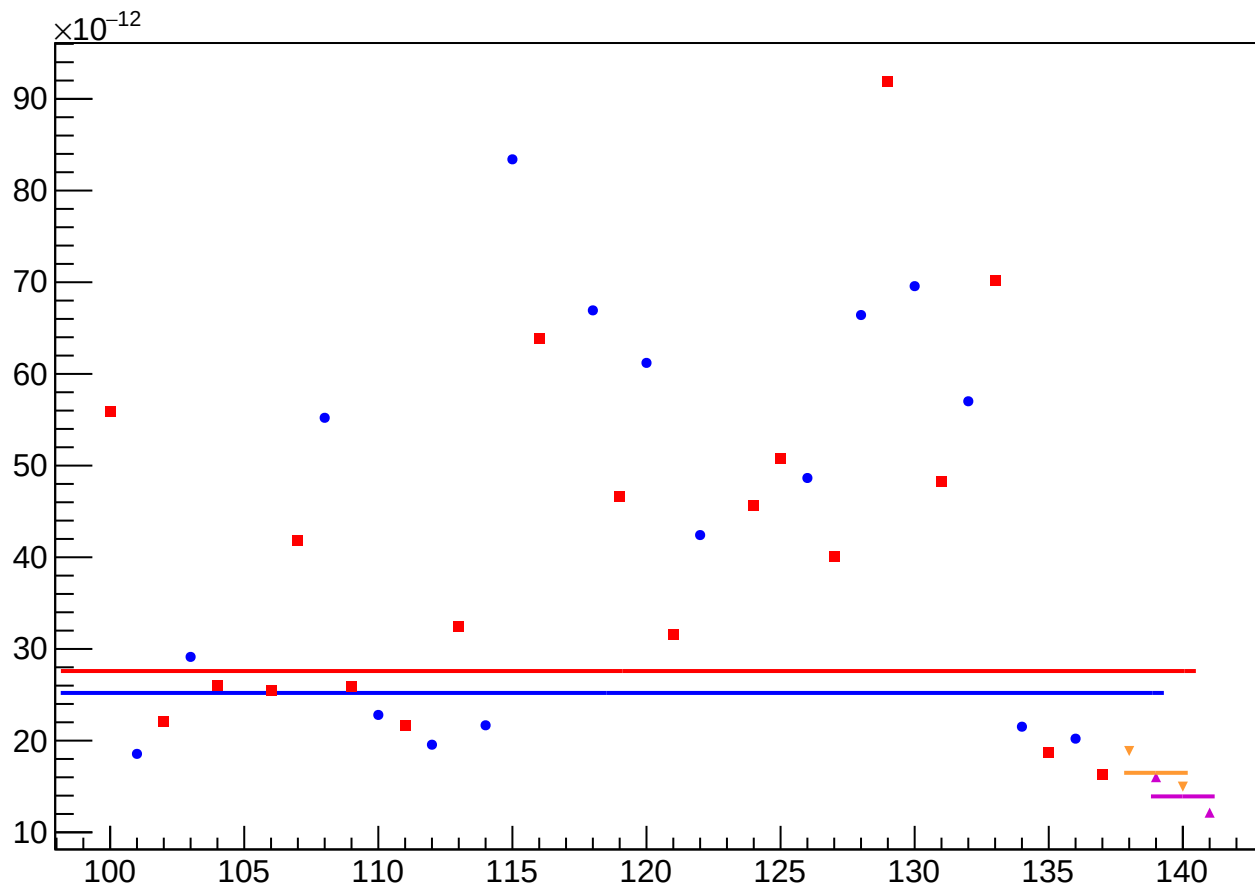
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 26.9/17

All: -0.000 ± 0.000 χ^2/NDF : 56.6/38

- sign -0.000 ± 0.000 χ^2/NDF : 25.9/20

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

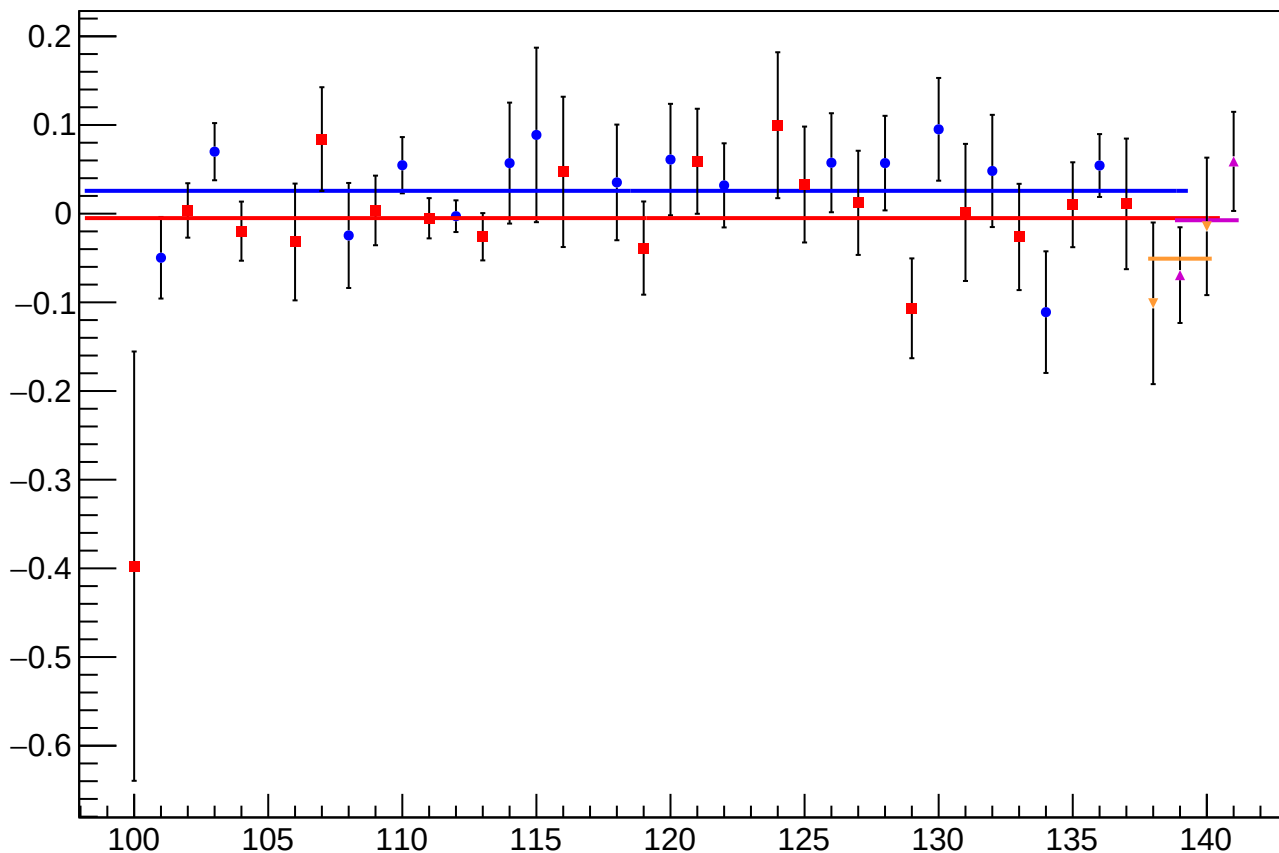
Left In: 0.000+/-0.000 χ^2/NDF :25841.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 1576857.7/17

All: 0.000+/-0.000 χ^2/NDF : 3271056.0/38

- sign 0.000+/-0.000 χ^2/NDF : 1688139.4/20

asym_sam_1548_avg_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

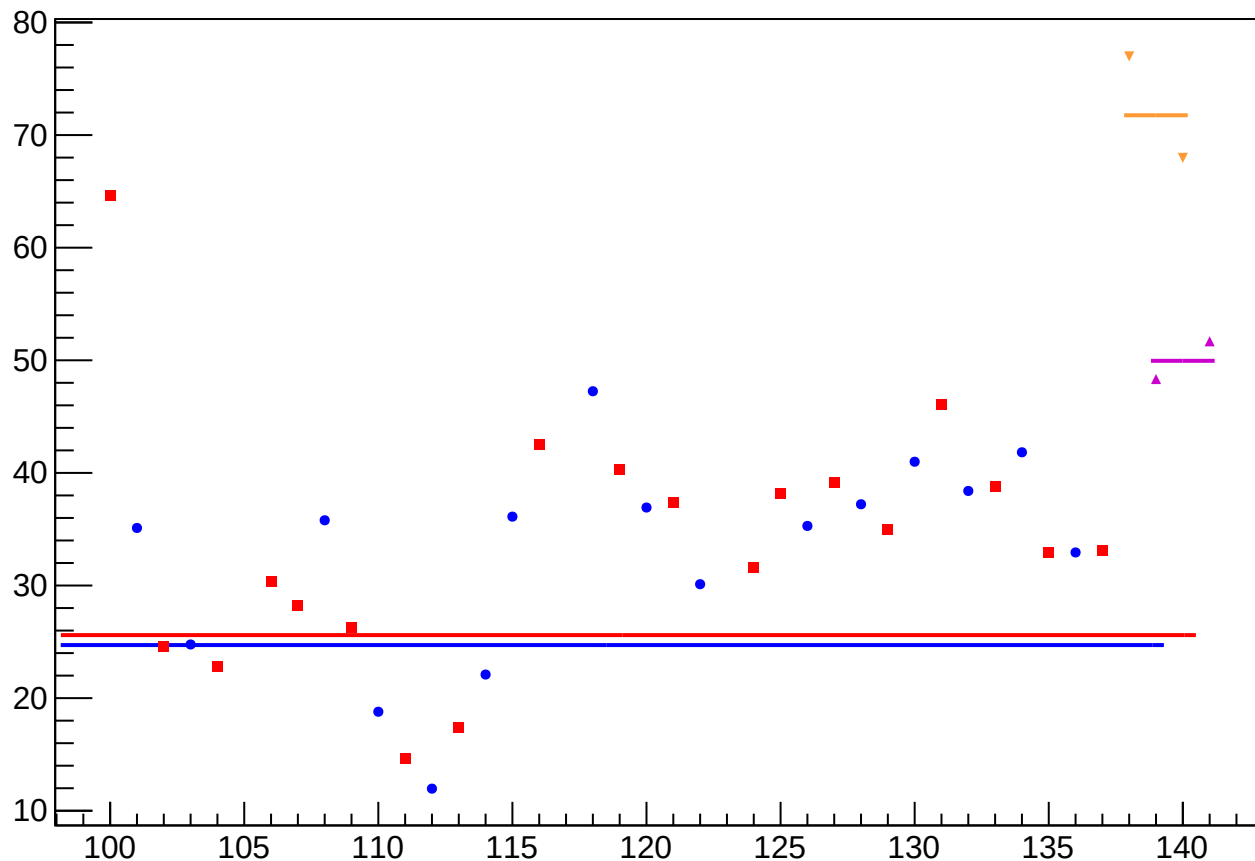
Left In: -0.007 ± 0.039 χ^2/NDF : 2.7/1

+ sign 0.023 ± 0.010 χ^2/NDF : 18.7/17

All: 0.009 ± 0.007 χ^2/NDF : 39.0/38

- sign -0.005 ± 0.010 χ^2/NDF : 16.3/20

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712 ± 0.007 $\chi^2/\text{NDF}: 2295174.7/15$

Left Out: 71.758 ± 0.042 $\chi^2/\text{NDF}: 11343.3/1$

Right Out: 25.597 ± 0.007 $\chi^2/\text{NDF}: 1605235.8/18$

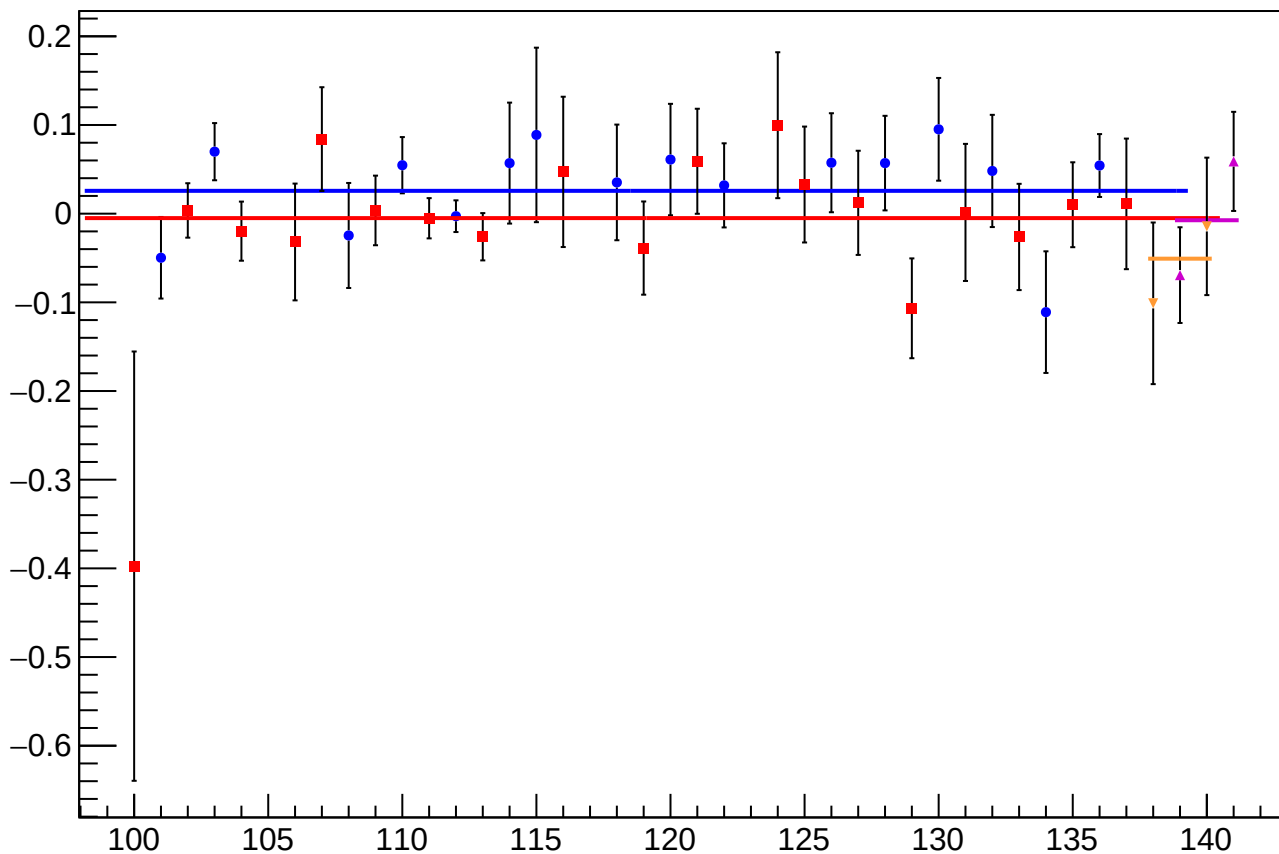
Left In: 49.954 ± 0.027 $\chi^2/\text{NDF}: 3719.8/1$

+ sign 26.117 ± 0.007 $\chi^2/\text{NDF}: 3538493.9/17$

All: 26.676 ± 0.005 $\chi^2/\text{NDF}: 5894185.7/38$

- sign 27.213 ± 0.007 $\chi^2/\text{NDF}: 2343915.0/20$

asym_sam_1548_avg_dit_vs_eigen_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

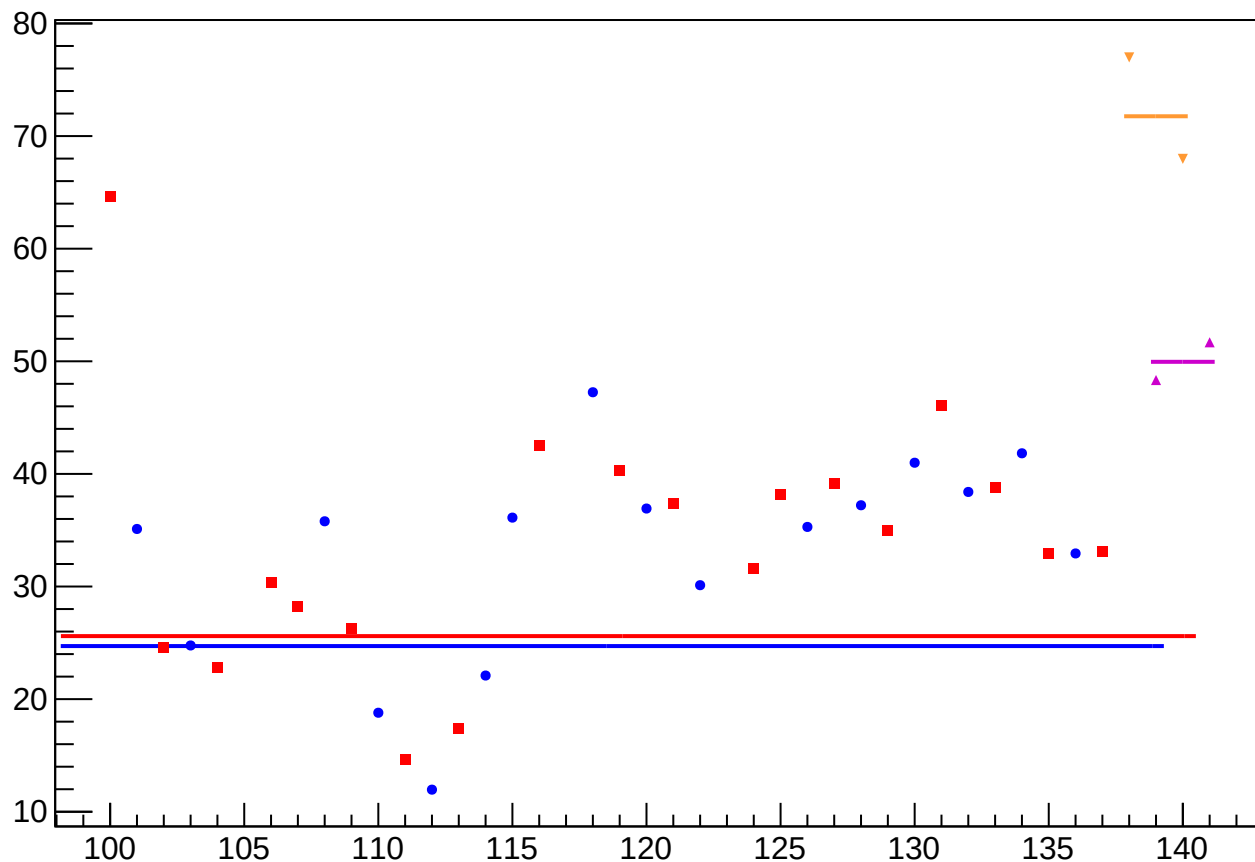
Left In: -0.007 $\pm$ 0.039 χ^2 /NDF: 2.7/1

+ sign 0.023 $\pm$ 0.010 χ^2 /NDF: 18.7/17

All: 0.009 $\pm$ 0.007 χ^2 /NDF: 39.0/38

- sign -0.005 $\pm$ 0.010 χ^2 /NDF: 16.3/20

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

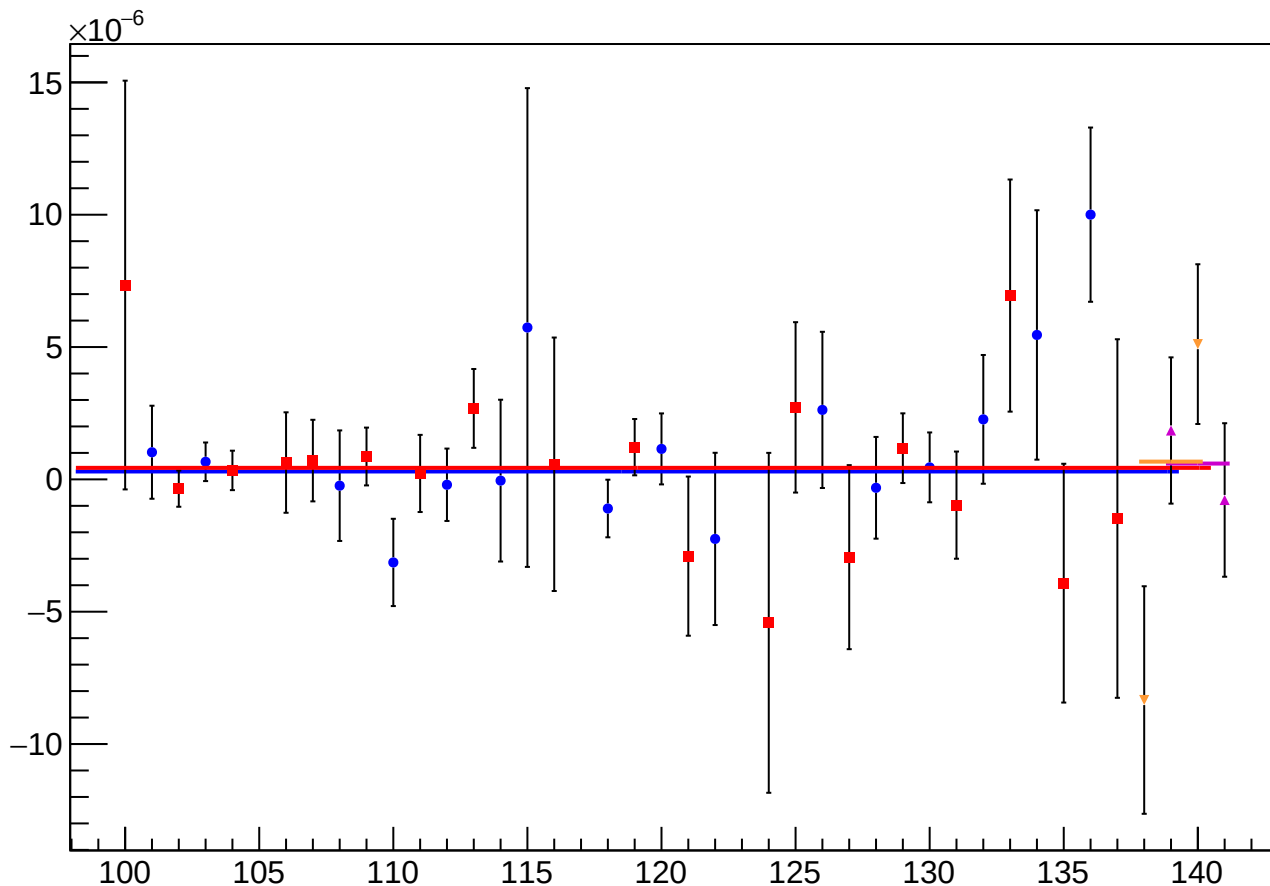
Left In: 49.954 $\pm$ 0.027 χ^2/NDF : 3719.8/1

+ sign 26.117 $\pm$ 0.007 χ^2/NDF : 3538493.9/17

All: 26.676 $\pm$ 0.005 χ^2/NDF : 5894185.7/38

- sign 27.213 $\pm$ 0.007 χ^2/NDF : 2343915.0/20

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

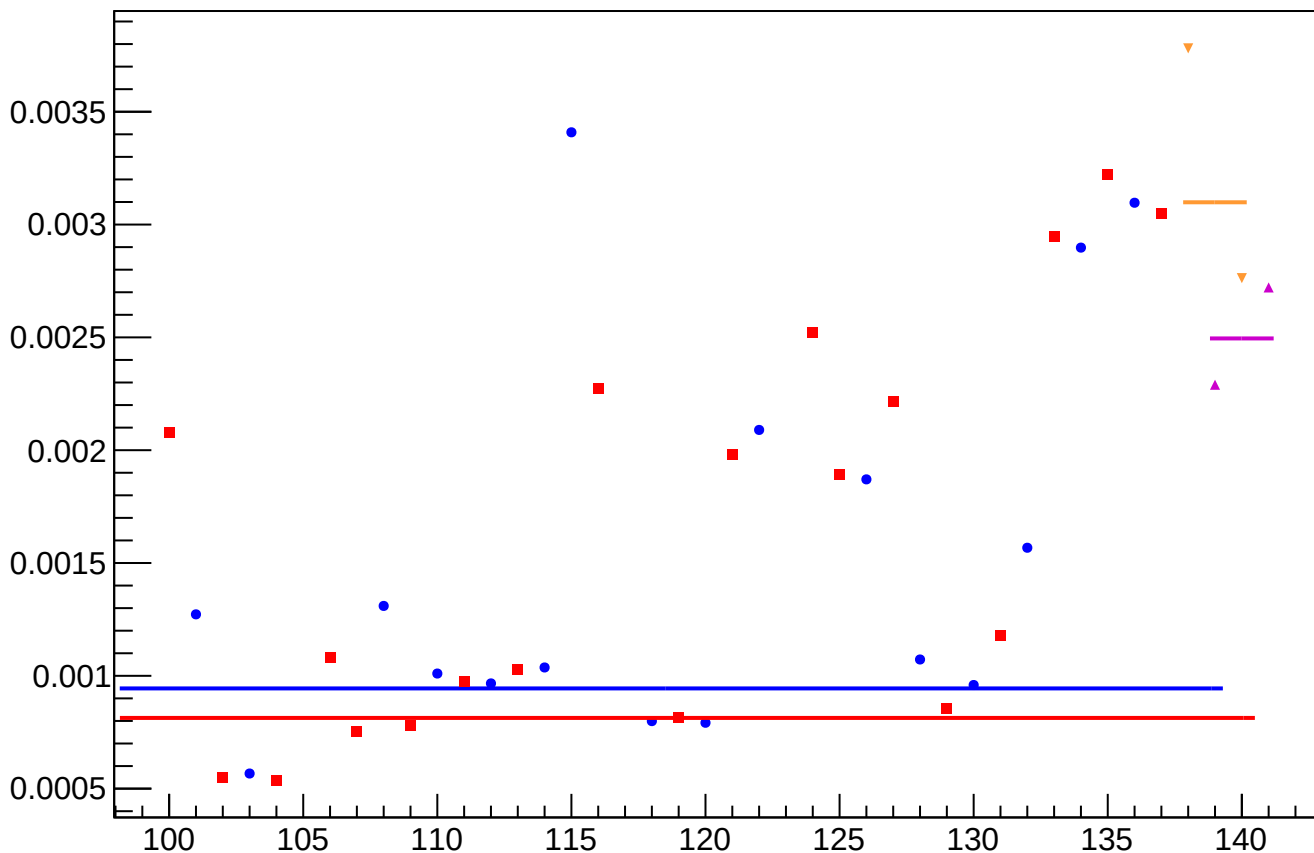
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/20

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

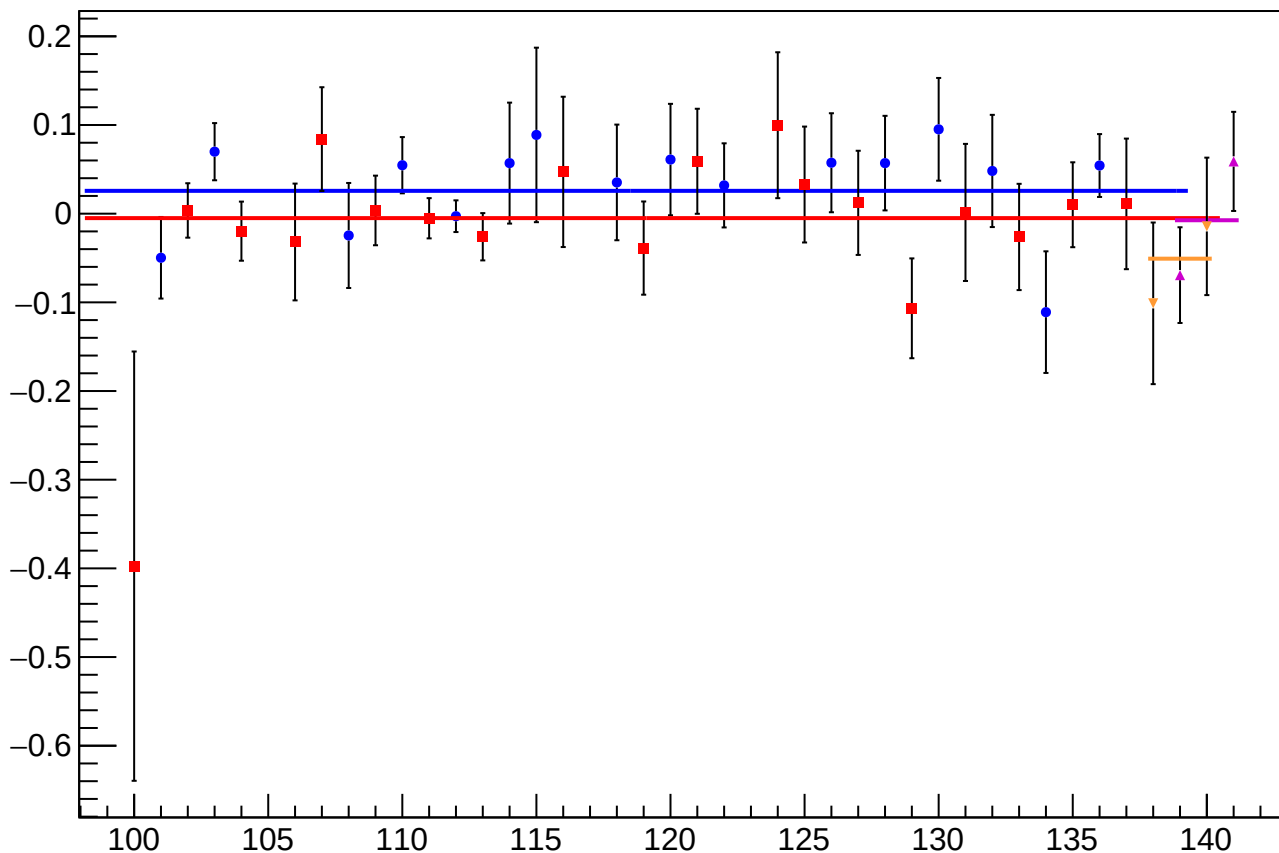
Left In: 0.002+/-0.000 χ^2/NDF : 23174.0/1

+ sign 0.001+/-0.000 χ^2/NDF : 4223584.1/17

All: 0.001+/-0.000 χ^2/NDF : 9006949.6/38

- sign 0.001+/-0.000 χ^2/NDF : 4640933.5/20

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

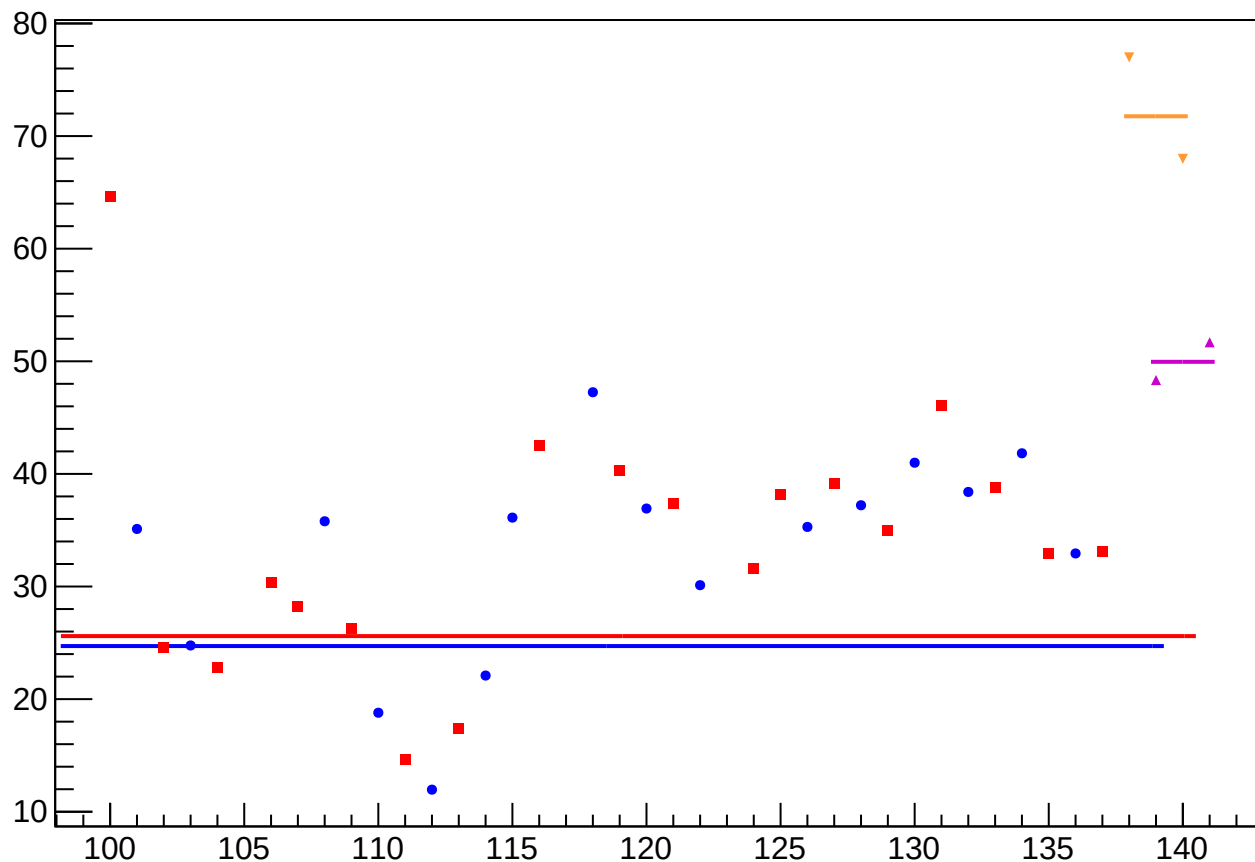
Left In: -0.007 ± 0.039 χ^2/NDF : 2.7/1

+ sign 0.023 ± 0.010 χ^2/NDF : 18.7/17

All: 0.009 ± 0.007 χ^2/NDF : 39.0/38

- sign -0.005 ± 0.010 χ^2/NDF : 16.3/20

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

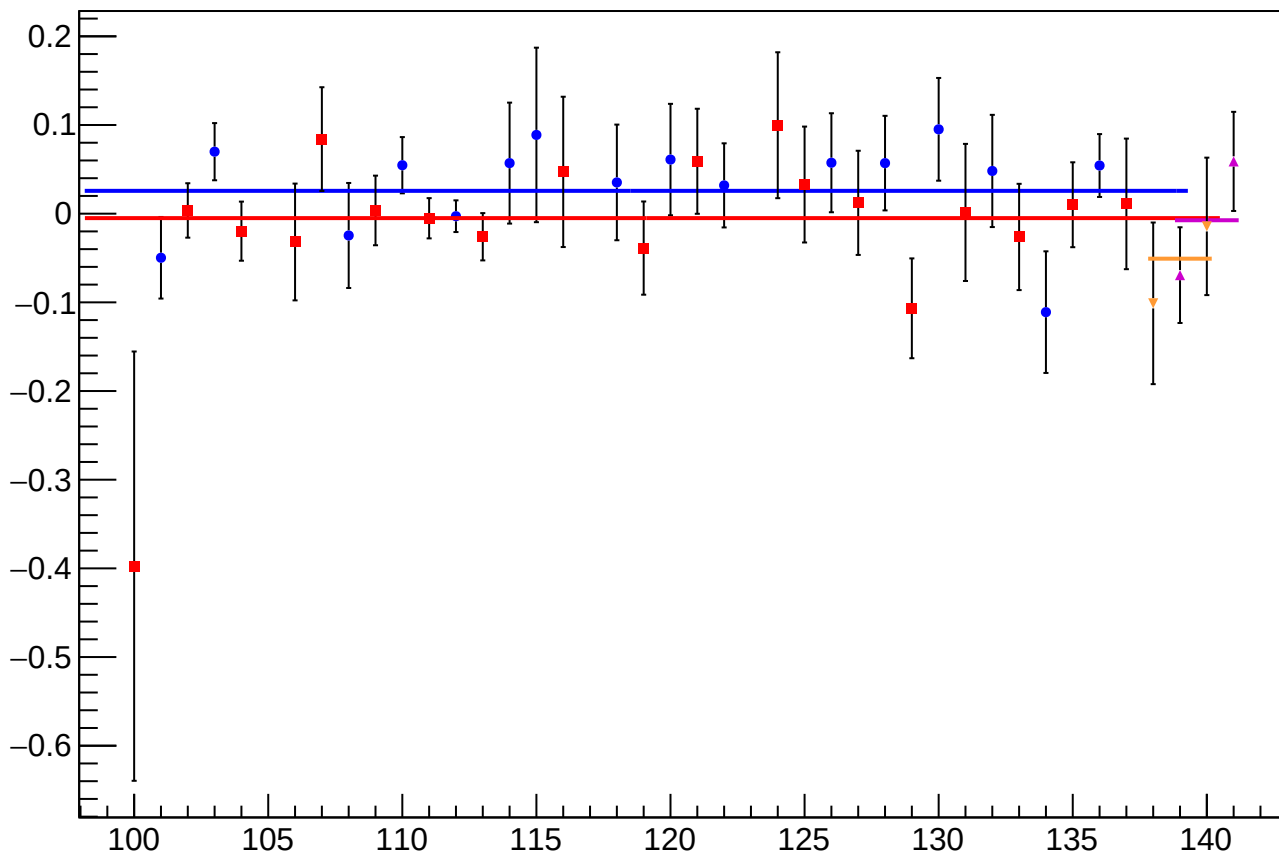
Left In: 49.954 $\pm$ 0.027 χ^2 /NDF: 3721.2/1

+ sign 26.116 $\pm$ 0.007 χ^2 /NDF: 3538709.6/17

All: 26.675 $\pm$ 0.005 χ^2 /NDF: 5894598.4/38

- sign 27.212 $\pm$ 0.007 χ^2 /NDF: 2344107.9/20

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

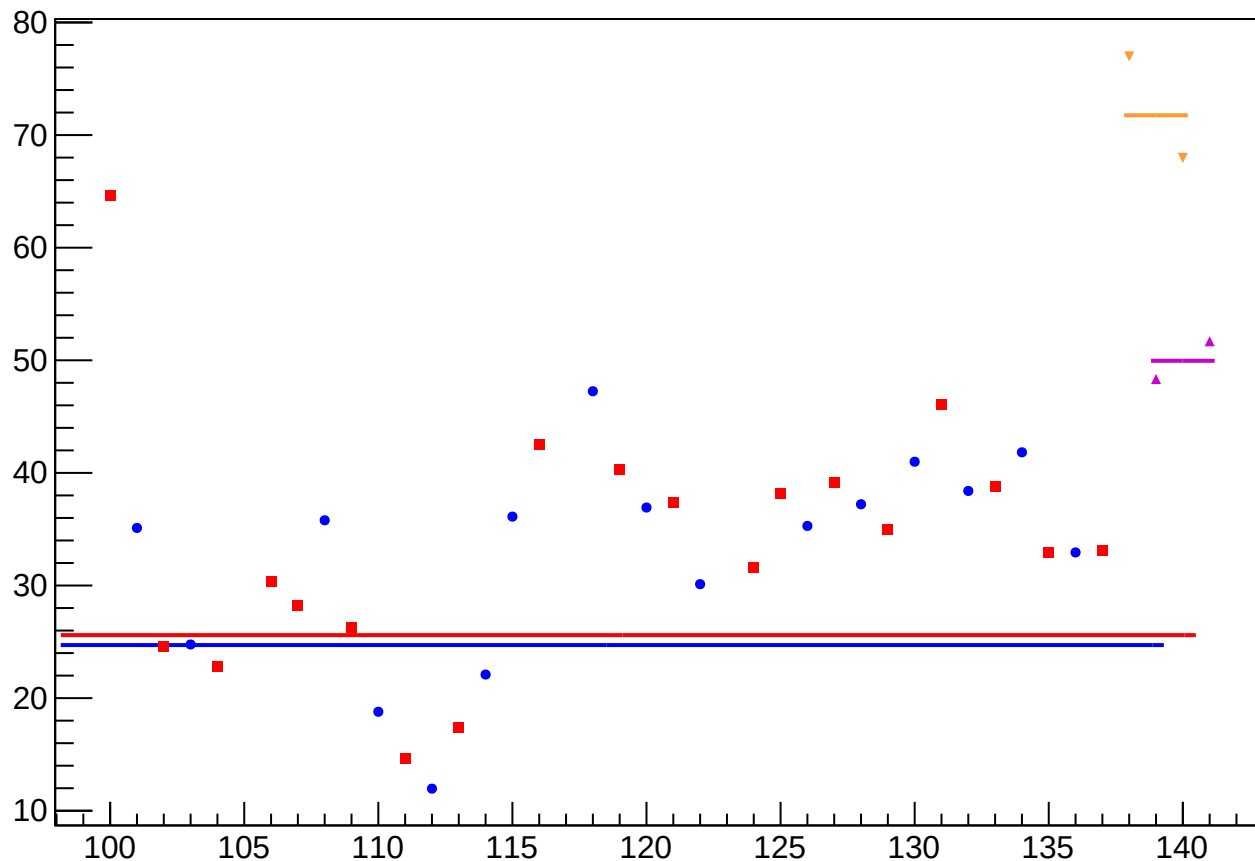
Left In: -0.007 ± 0.039 χ^2/NDF : 2.7/1

+ sign 0.023 ± 0.010 χ^2/NDF : 18.7/17

All: 0.009 ± 0.007 χ^2/NDF : 39.0/38

- sign -0.005 ± 0.010 χ^2/NDF : 16.3/20

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

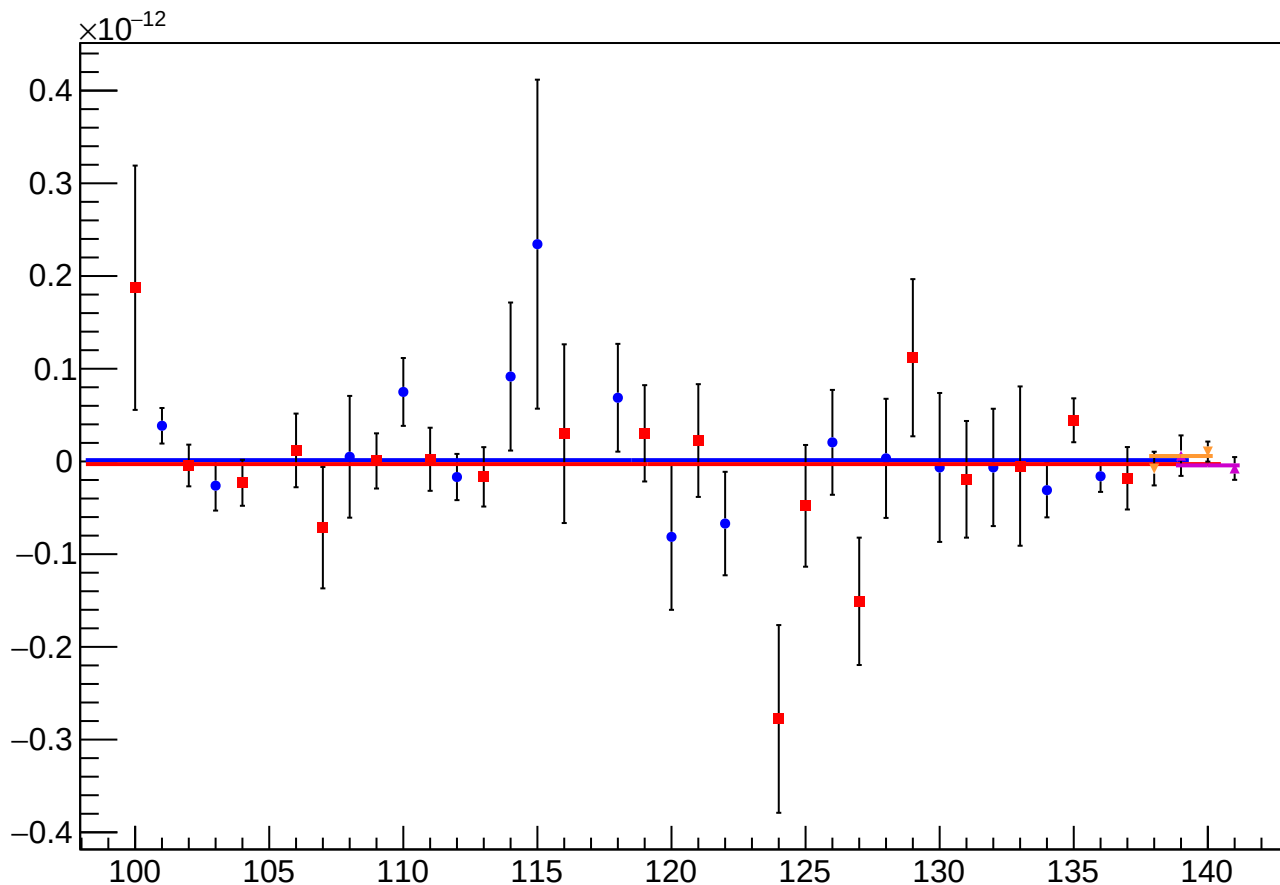
Left In: 49.954 $\pm$ 0.027 χ^2 /NDF: 3721.2/1

+ sign 26.116 $\pm$ 0.007 χ^2 /NDF: 3538709.6/17

All: 26.675 $\pm$ 0.005 χ^2 /NDF: 5894598.4/38

- sign 27.212 $\pm$ 0.007 χ^2 /NDF: 2344107.9/20

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

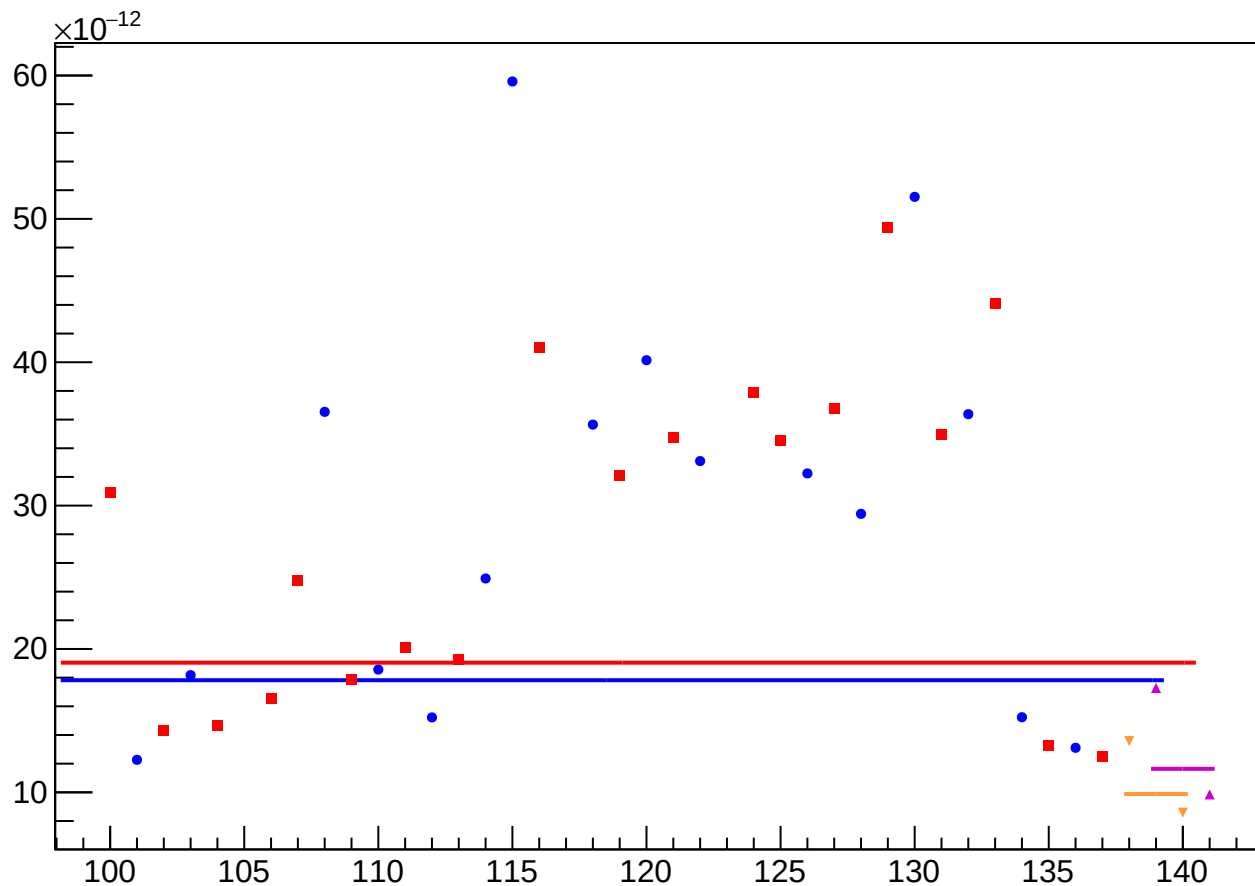
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/20

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

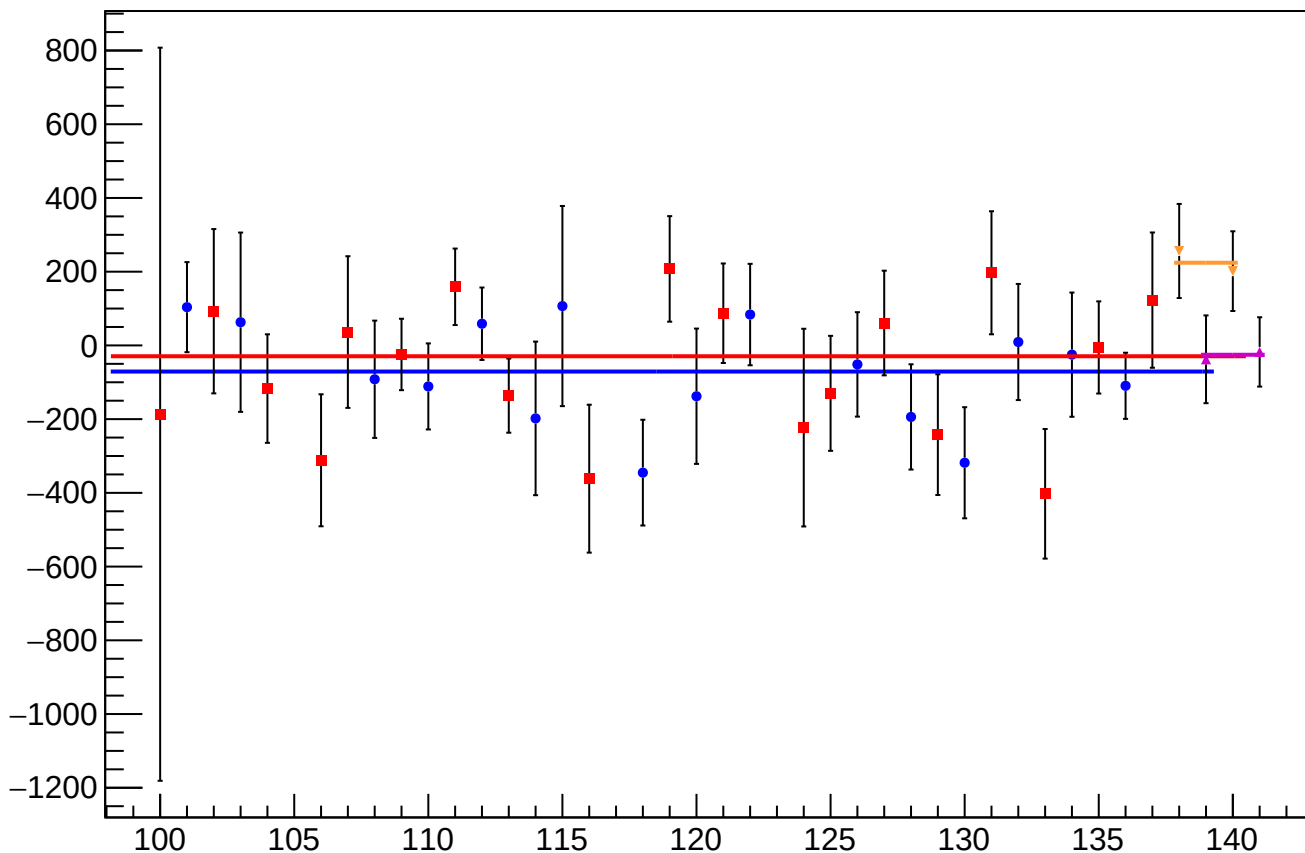
Left In: 0.000+/-0.000 χ^2/NDF : 175672.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2761873.1/17

All: 0.000+/-0.000 χ^2/NDF : 5185452.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2350067.3/20

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892 ± 35.122 χ^2/NDF : 14.1/15

Left Out: 224.324 ± 82.494 χ^2/NDF : 0.1/1

Right Out: -29.410 ± 34.243 χ^2/NDF : 24.0/18

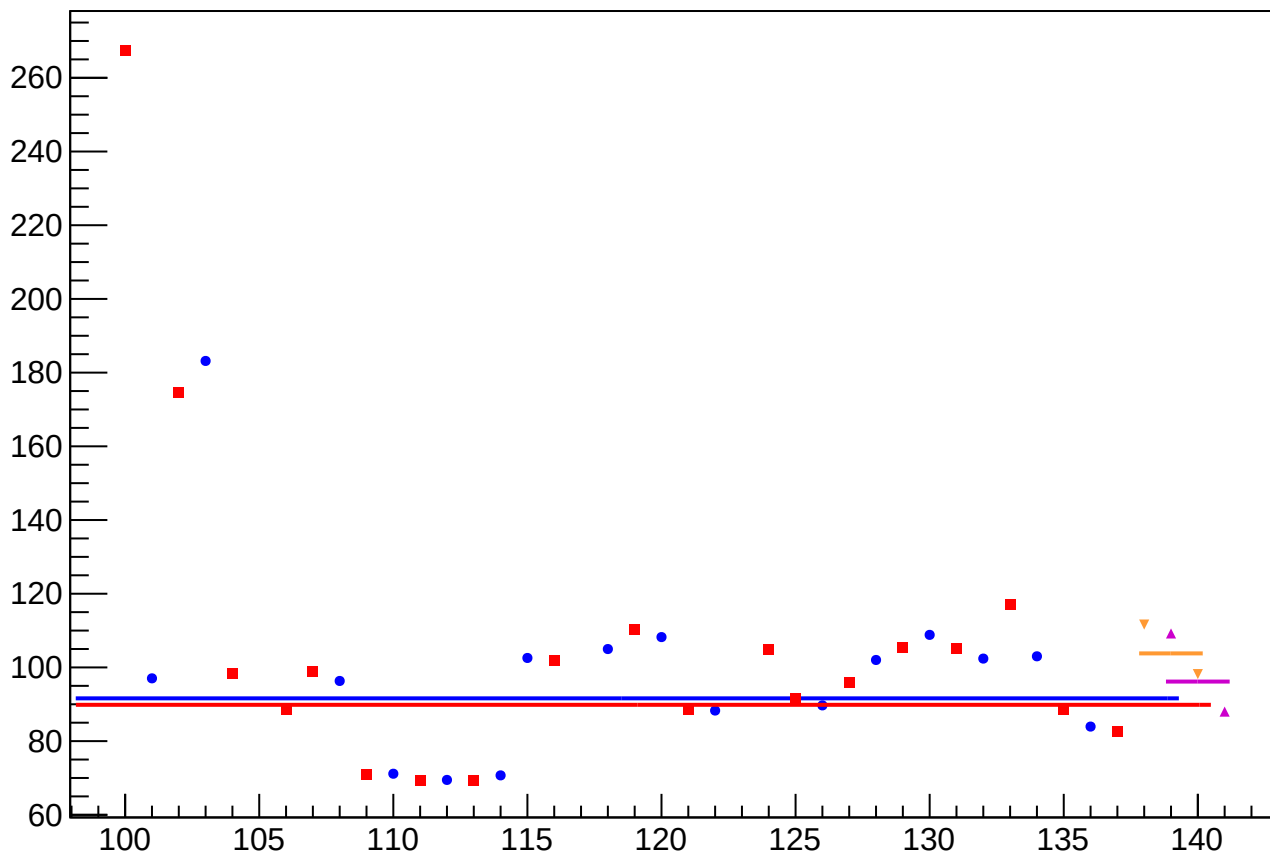
Left In: -25.362 ± 73.797 χ^2/NDF : 0.0/1

+ sign -25.591 ± 32.315 χ^2/NDF : 25.0/17

All: -27.203 ± 22.394 χ^2/NDF : 49.0/38

- sign -28.693 ± 31.062 χ^2/NDF : 24.0/20

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

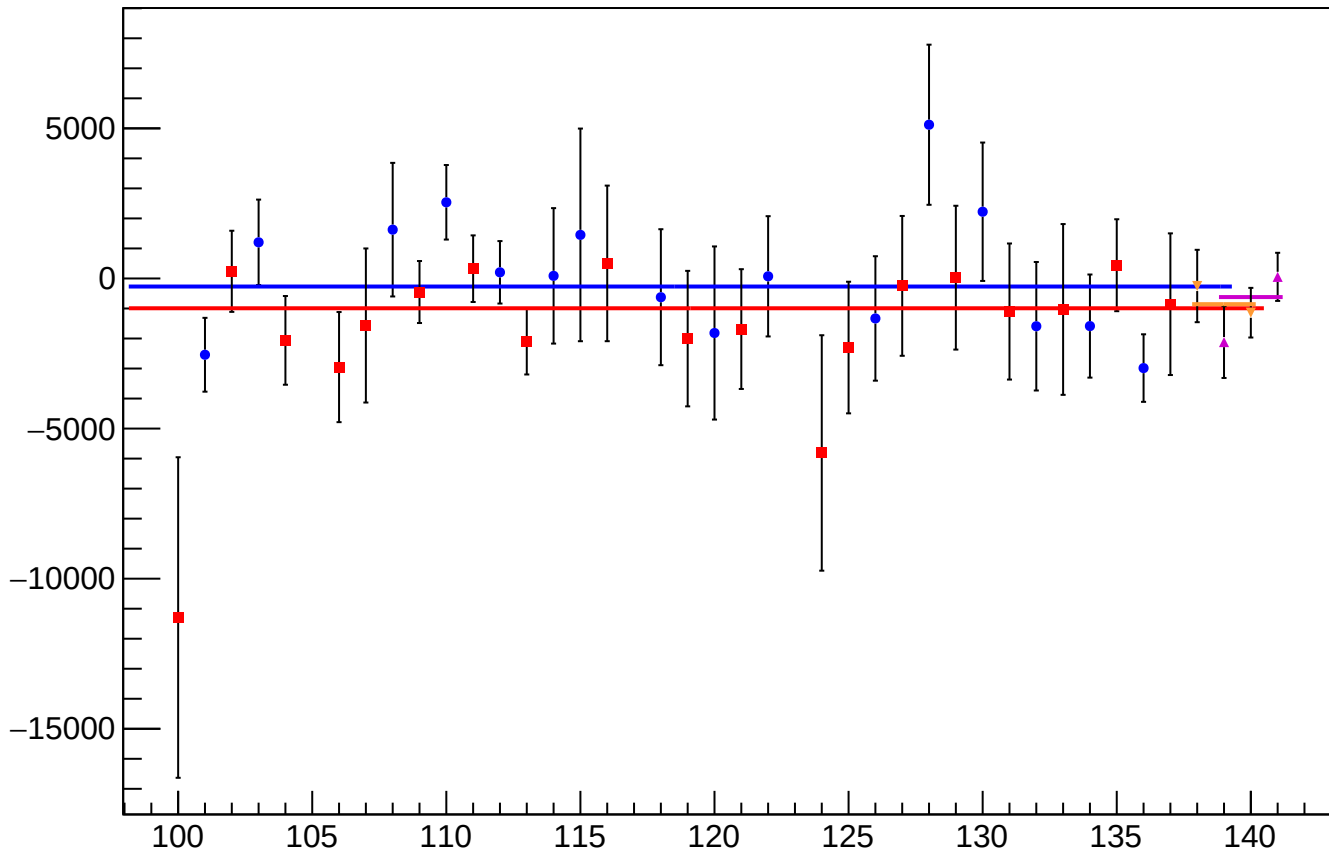
Left In: 96.161 $\pm$ 0.052 χ^2 /NDF: 39079.9/1

+ sign 93.479 $\pm$ 0.023 χ^2 /NDF: 630601.9/17

All: 92.176 $\pm$ 0.016 χ^2 /NDF: 1434248.6/38

- sign 90.972 $\pm$ 0.022 χ^2 /NDF: 797386.4/20

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

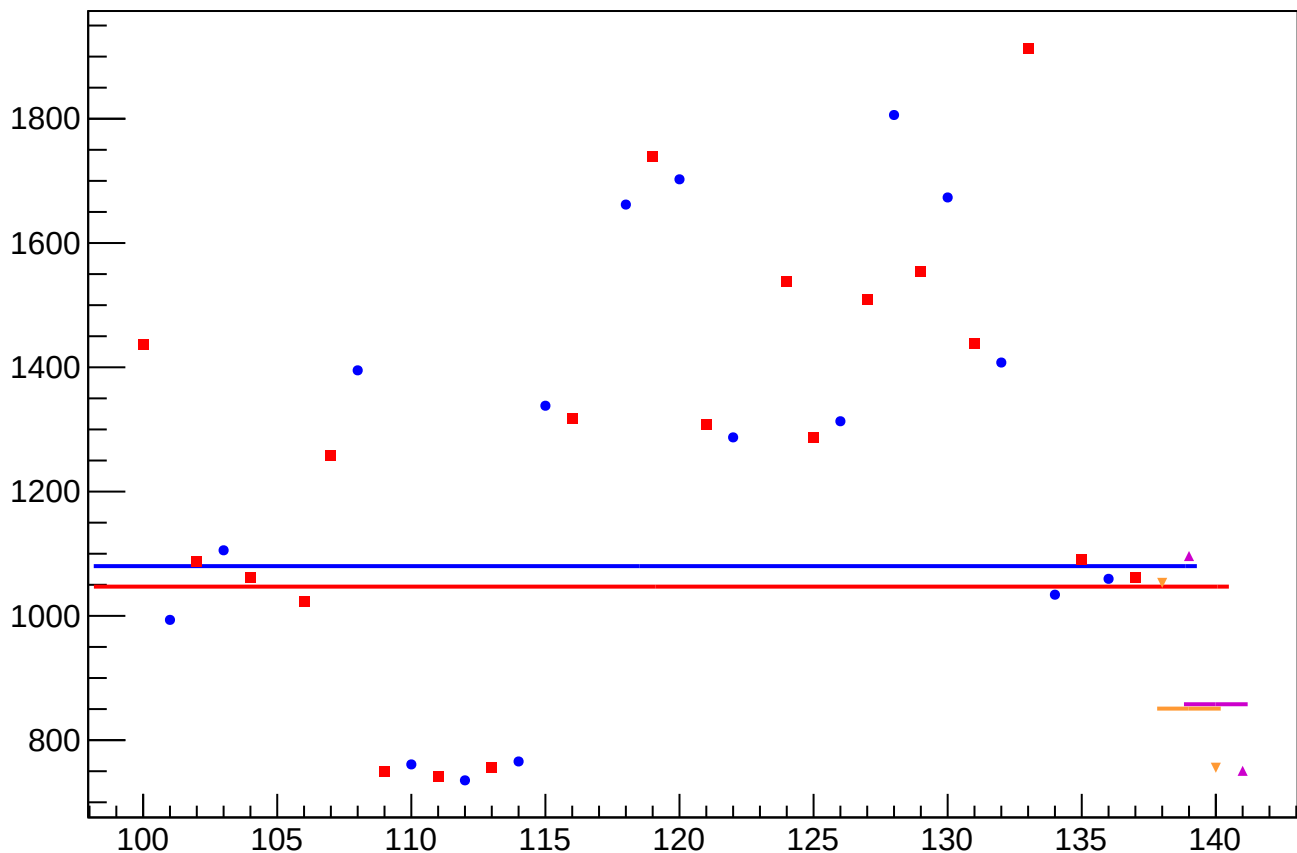
Left In: -619.569 $\pm$ 665.720 χ^2 /NDF:2.3/1

+ sign -429.760 $\pm$ 357.344 χ^2 /NDF: 24.4/17

All: -670.812 $\pm$ 247.598 χ^2 /NDF: 40.4/38

- sign -893.402 $\pm$ 343.387 χ^2 /NDF: 15.2/20

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF : 1053468.5/15

Left Out: 850.765+/-0.482 χ^2/NDF : 82820.6/1

Right Out: 1047.068+/-0.283 χ^2/NDF : 1198646.2/18

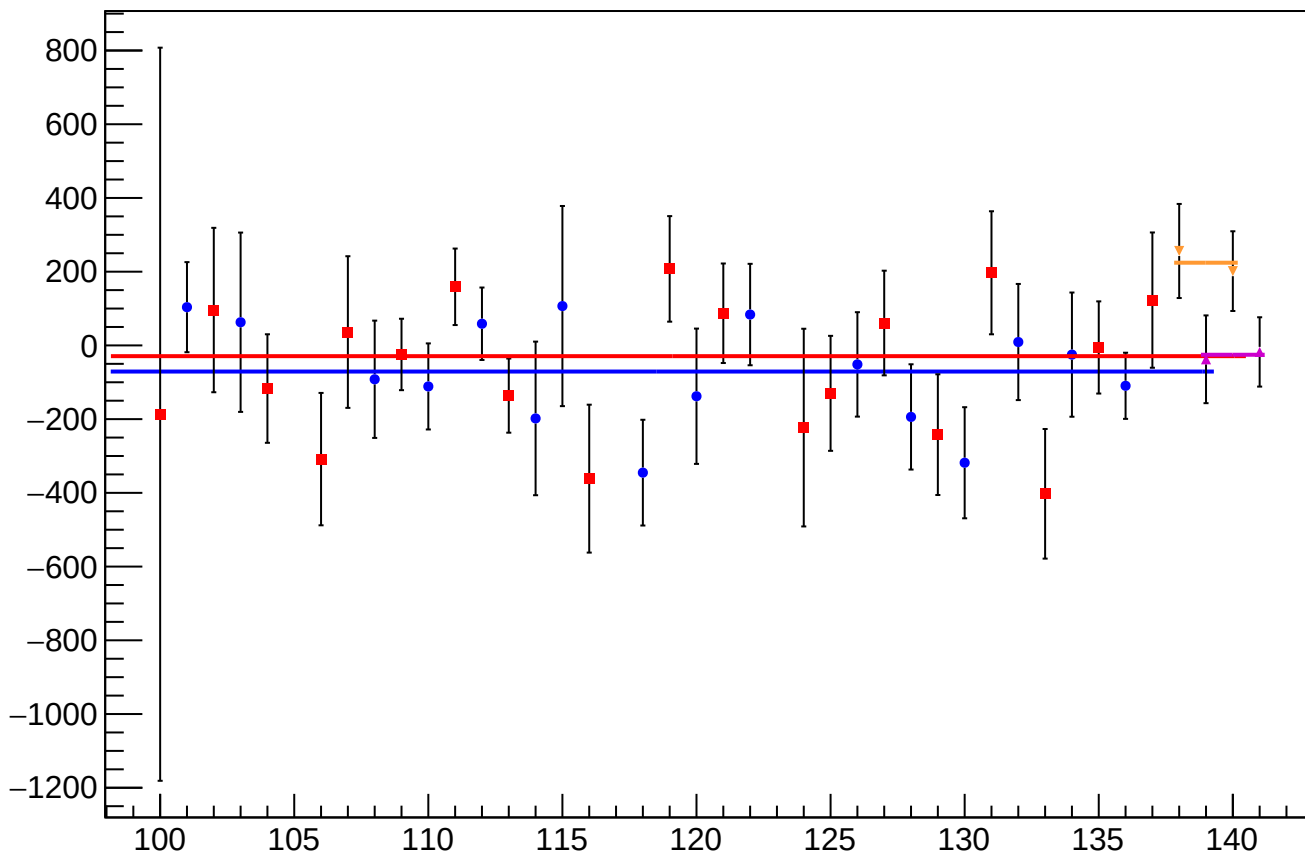
Left In: 857.782+/-0.471 χ^2/NDF : 115301.2/1

+ sign 1017.073+/-0.253 χ^2/NDF : 1300316.9/17

All: 1006.484+/-0.175 χ^2/NDF : 2736312.6/38

- sign 996.706+/-0.243 χ^2/NDF : 1432617.7/20

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903 ± 35.122 $\chi^2/\text{NDF}: 14.1/15$

Left Out: 224.340 ± 82.494 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -29.159 ± 34.247 $\chi^2/\text{NDF}: 24.0/18$

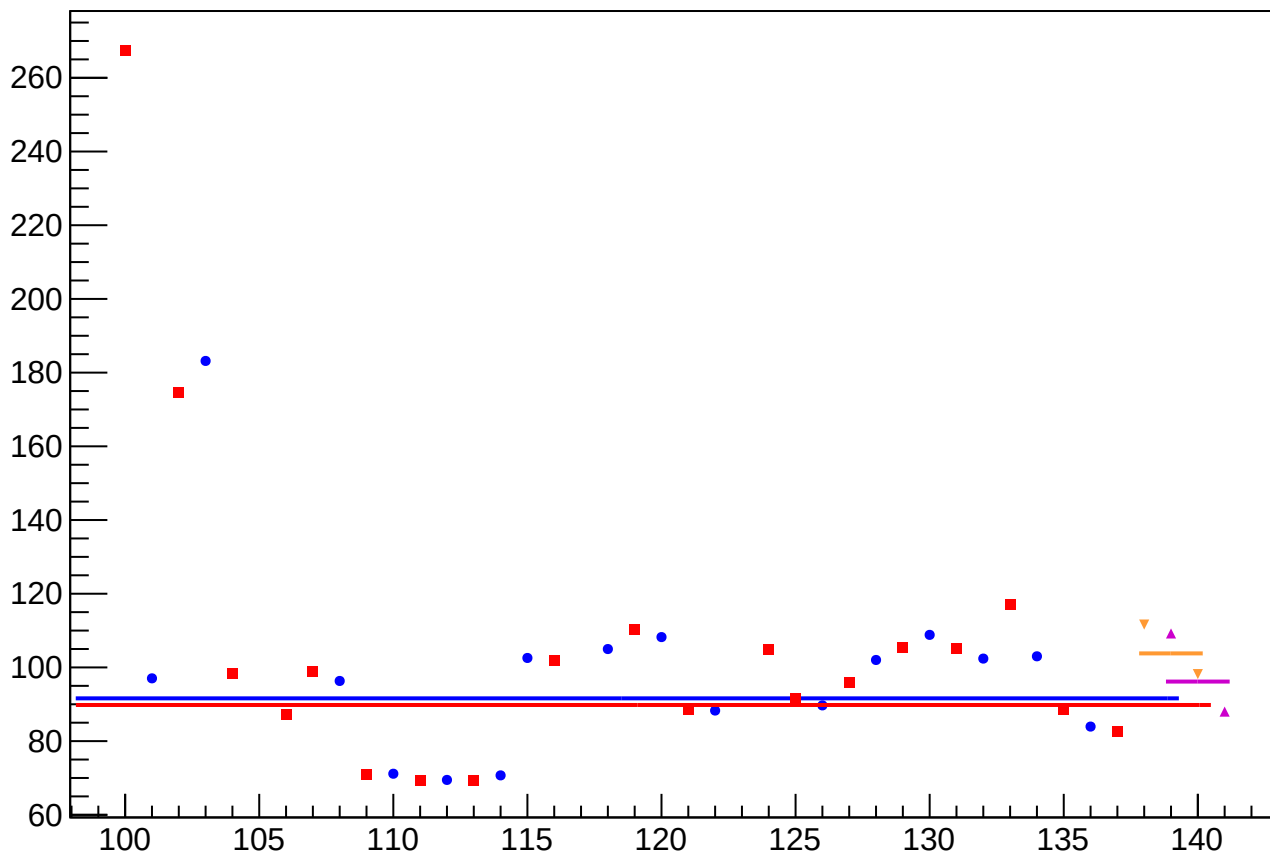
Left In: -25.367 ± 73.797 $\chi^2/\text{NDF}: 0.0/1$

+ sign -25.599 ± 32.315 $\chi^2/\text{NDF}: 25.0/17$

All: -27.100 ± 22.395 $\chi^2/\text{NDF}: 49.0/38$

- sign -28.487 ± 31.065 $\chi^2/\text{NDF}: 24.0/20$

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

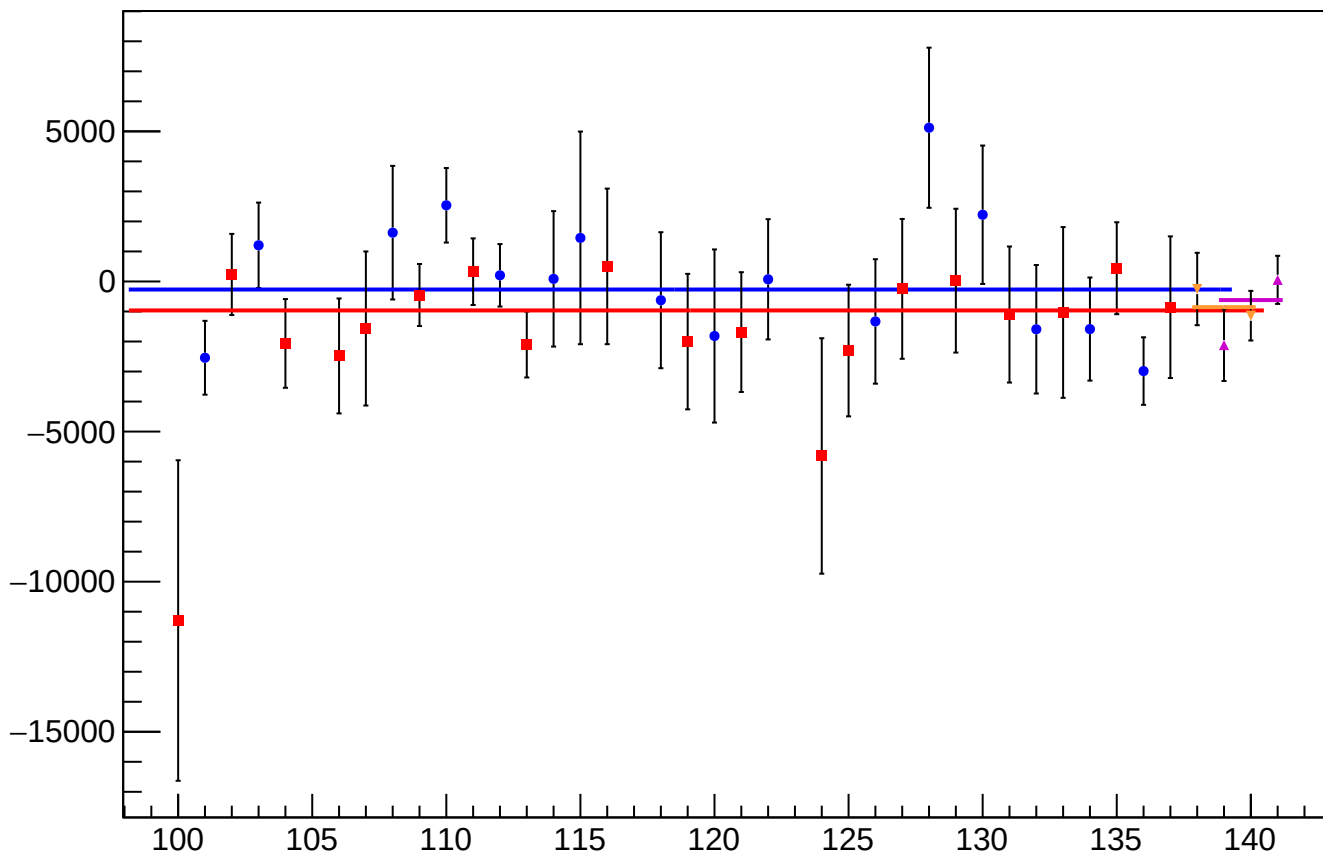
Left In: 96.161 $\pm$ 0.052 χ^2 /NDF: 39079.9/1

+ sign 93.479 $\pm$ 0.023 χ^2 /NDF: 630605.0/17

All: 92.156 $\pm$ 0.016 χ^2 /NDF: 1435171.7/38

- sign 90.933 $\pm$ 0.022 χ^2 /NDF: 798111.7/20

asym_sam_3748_avg_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

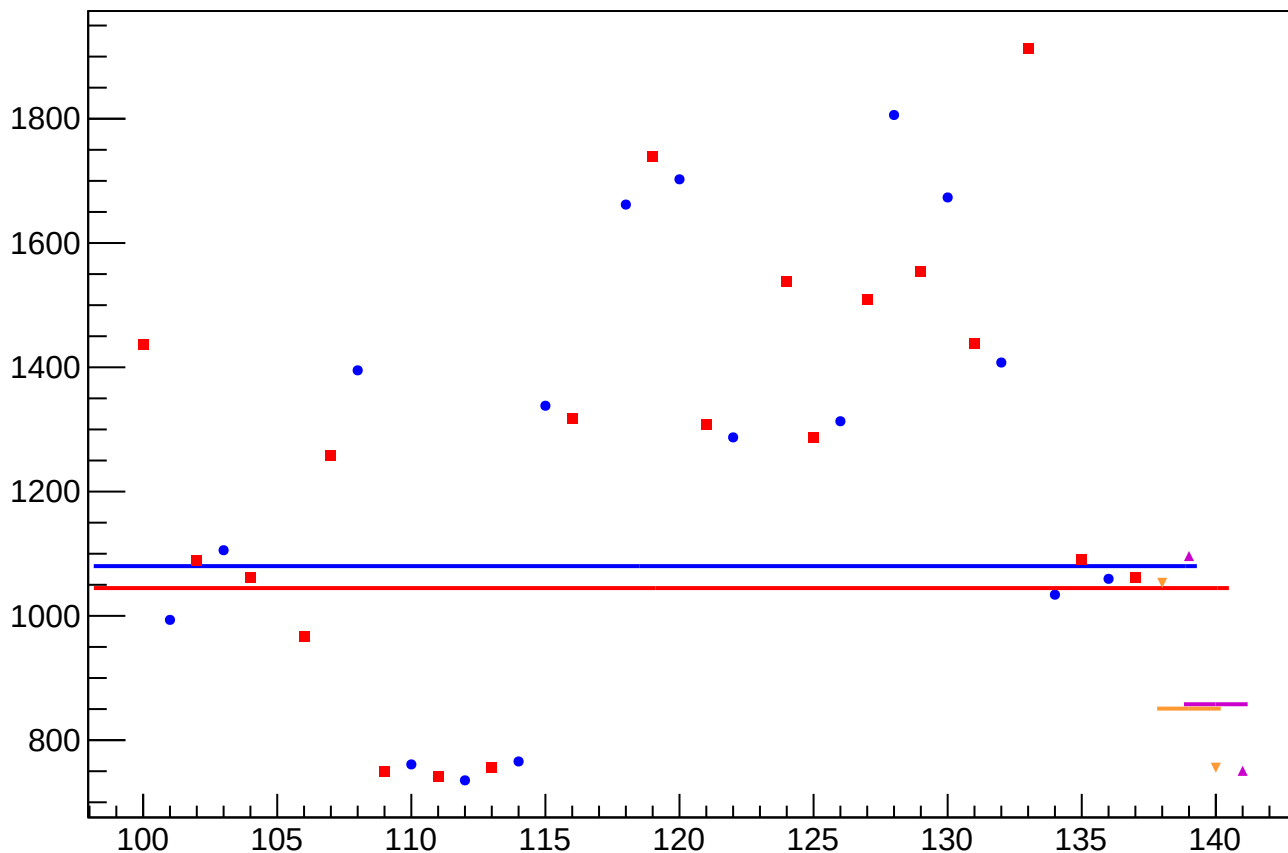
Left In: -619.590 $\pm$ 665.721 χ^2 /NDF: 2.3/1

+ sign -429.774 $\pm$ 357.346 χ^2 /NDF: 24.4/17

All: -659.791 $\pm$ 247.789 χ^2 /NDF: 39.7/38

- sign -872.817 $\pm$ 343.895 χ^2 /NDF: 14.6/20

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF : 82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

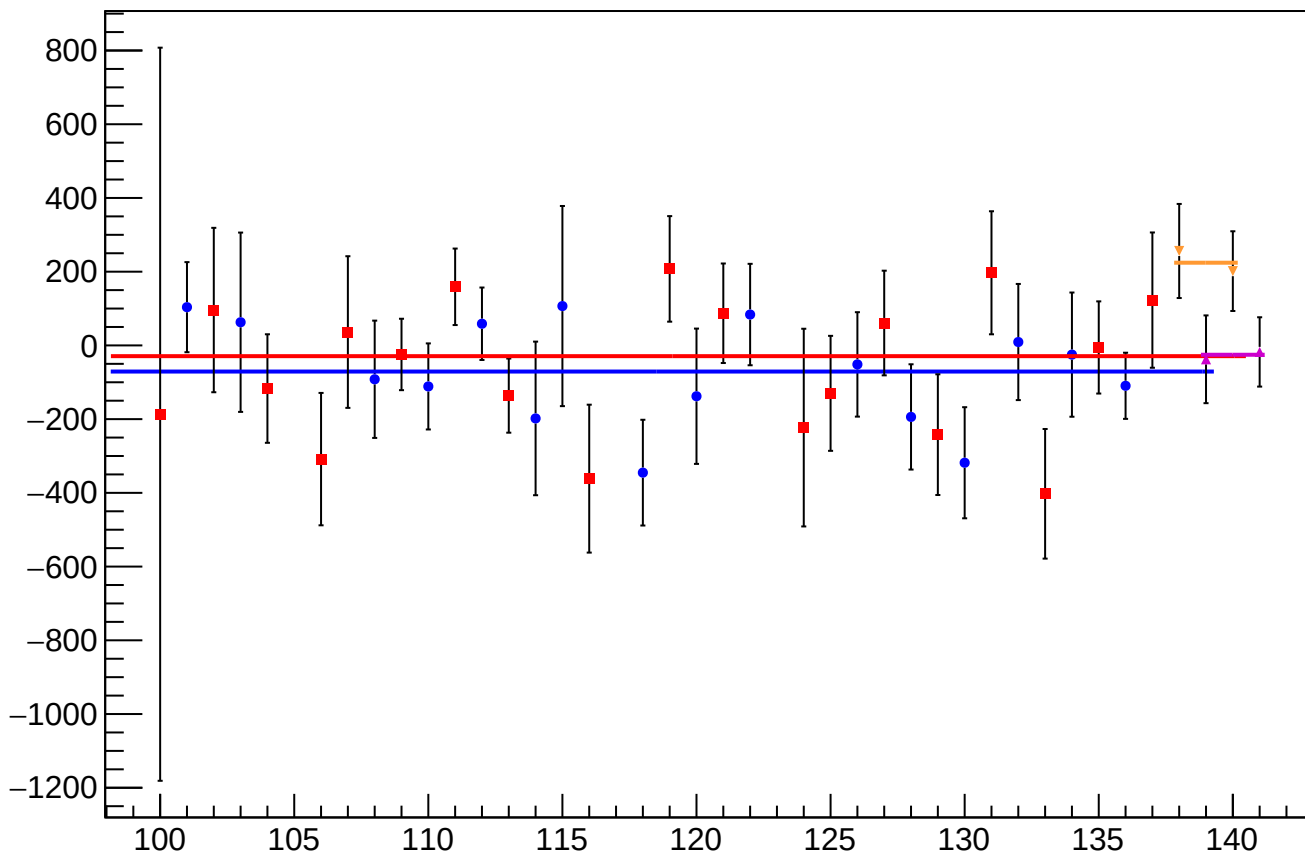
Left In: 857.783+/-0.471 χ^2/NDF : 115299.9/1

+ sign 1017.079+/-0.253 χ^2/NDF : 1300336.0/17

All: 1005.529+/-0.175 χ^2/NDF : 2737100.6/38

- sign 994.833+/-0.243 χ^2/NDF : 1432740.7/20

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903 ± 35.122 χ^2/NDF : 14.1/15

Left Out: 224.340 ± 82.494 χ^2/NDF : 0.1/1

Right Out: -29.159 ± 34.247 χ^2/NDF : 24.0/18

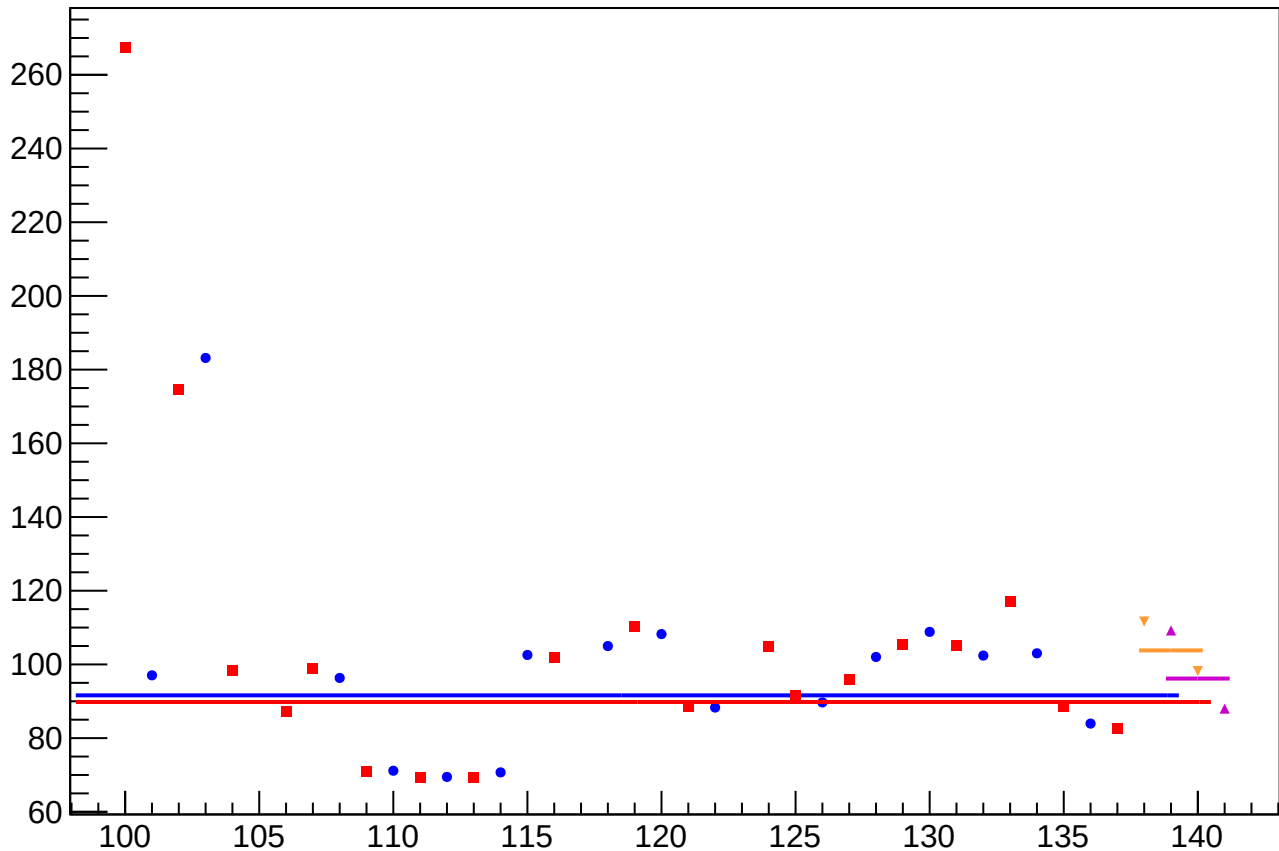
Left In: -25.367 ± 73.797 χ^2/NDF : 0.0/1

+ sign -25.599 ± 32.315 χ^2/NDF : 25.0/17

All: -27.100 ± 22.395 χ^2/NDF : 49.0/38

- sign -28.487 ± 31.065 χ^2/NDF : 24.0/20

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF : 580675.9/15

Left Out: 103.804+/-0.058 χ^2/NDF : 12923.4/1

Right Out: 89.807+/-0.024 χ^2/NDF : 746833.4/18

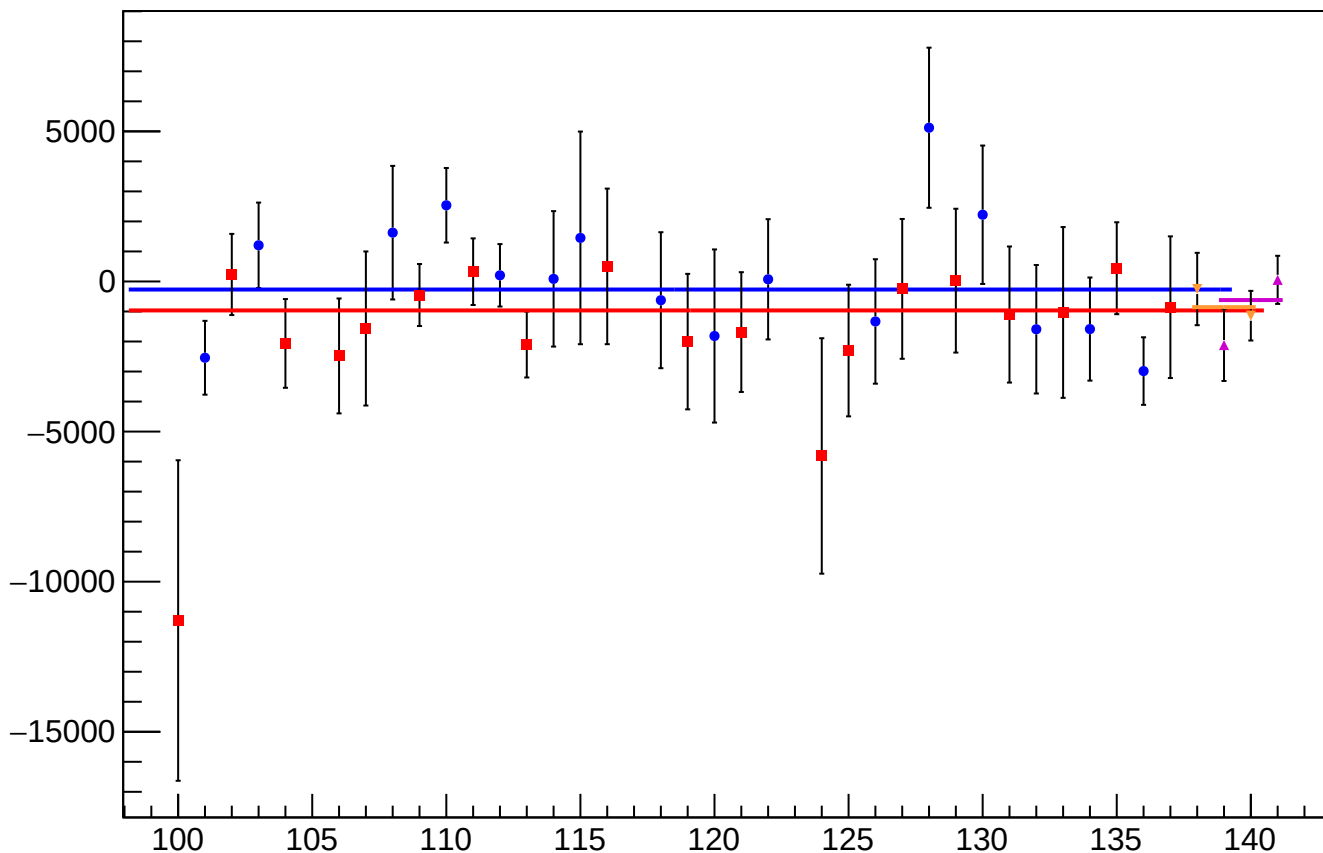
Left In: 96.161+/-0.052 χ^2/NDF : 39079.9/1

+ sign 93.479+/-0.023 χ^2/NDF : 630605.0/17

All: 92.156+/-0.016 χ^2/NDF : 1435171.7/38

- sign 90.933+/-0.022 χ^2/NDF : 798111.7/20

asym_sam_3748_avg_eigen_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

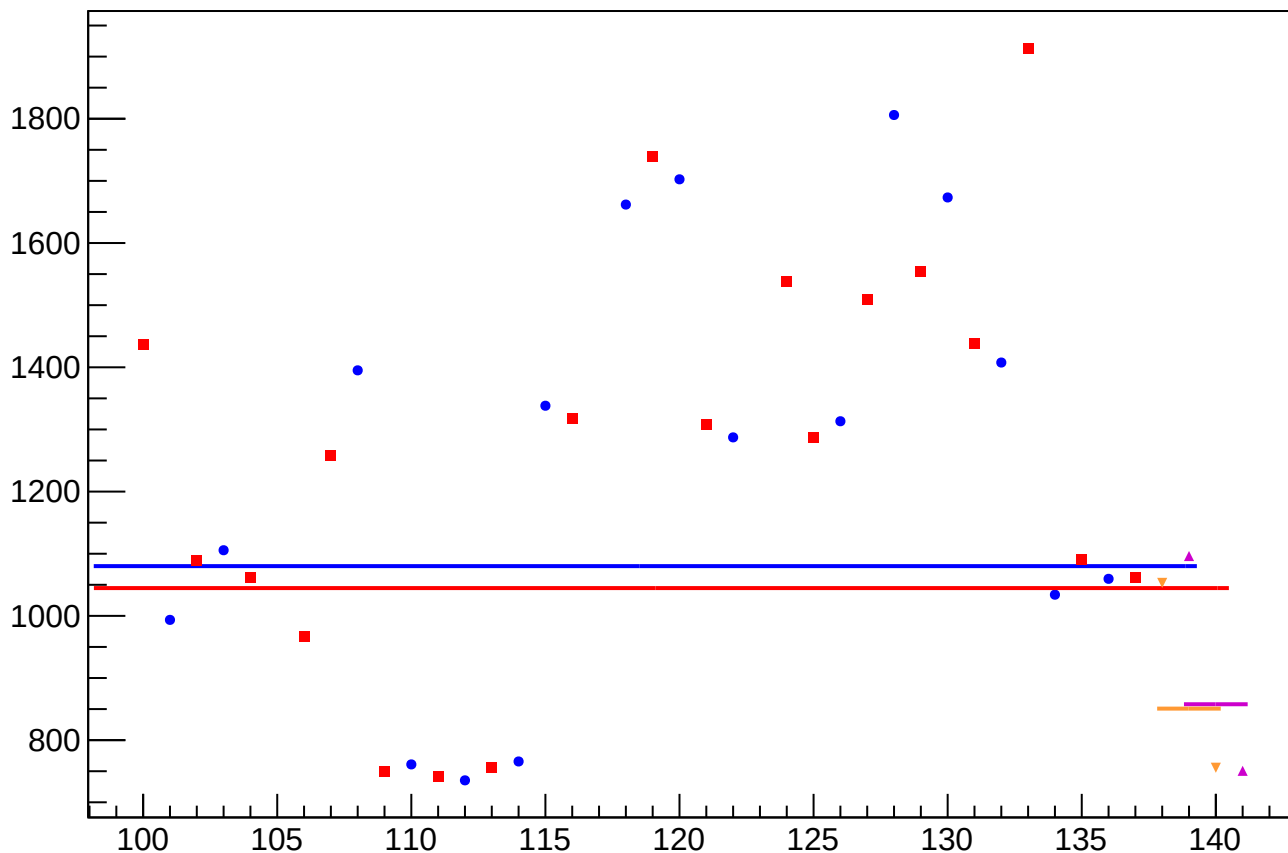
Left In: -619.590+/-665.721 χ^2 /NDF:2.3/1

+ sign -429.774+/-357.346 χ^2 /NDF: 24.4/17

All: -659.791+/-247.789 χ^2 /NDF: 39.7/38

- sign -872.817+/-343.895 χ^2 /NDF: 14.6/20

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

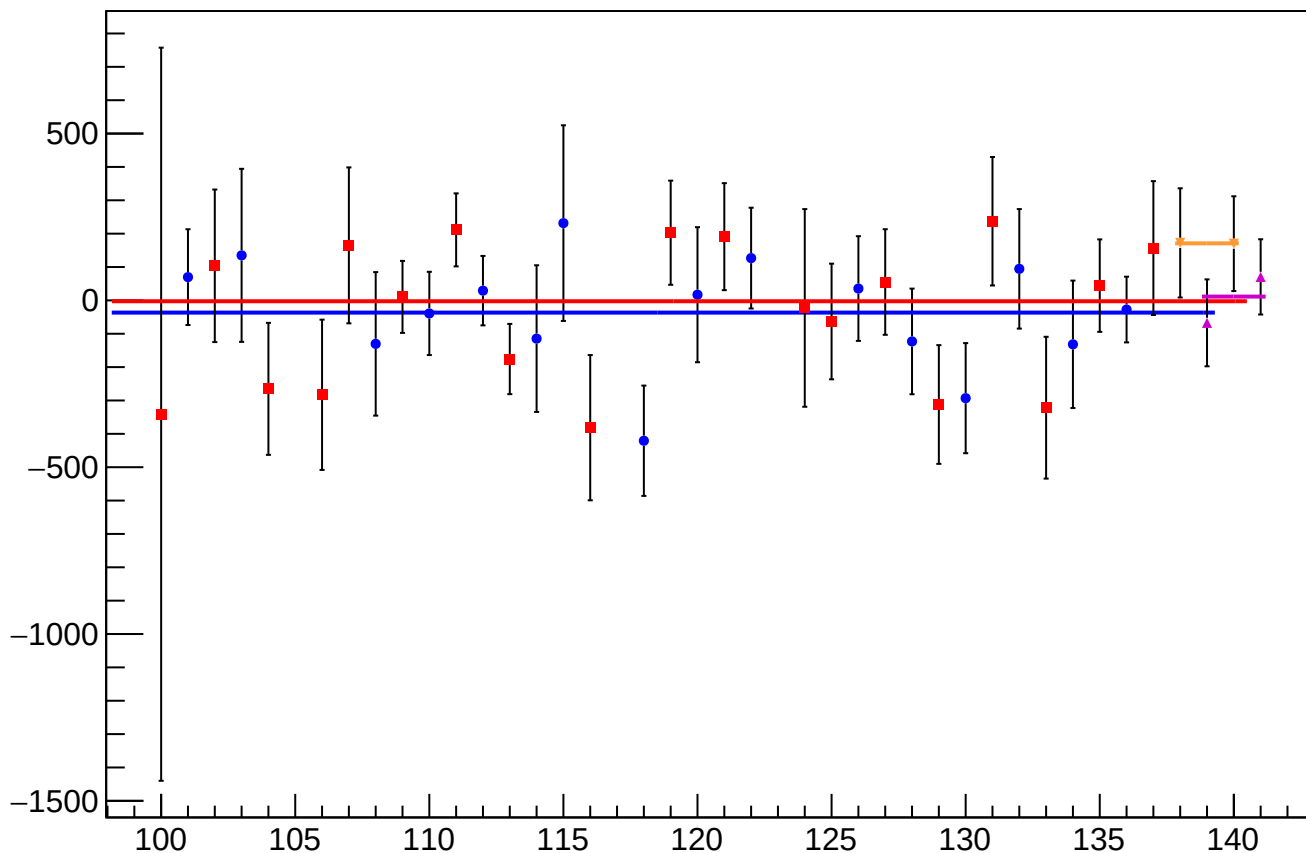
Left In: 857.783+/-0.471 χ^2/NDF : 115299.9/1

+ sign 1017.079+/-0.253 χ^2/NDF : 1300336.0/17

All: 1005.529+/-0.175 χ^2/NDF : 2737100.6/38

- sign 994.833+/-0.243 χ^2/NDF : 1432740.7/20

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 170.972 ± 107.289 χ^2/NDF : 0.0/1

Right Out: -2.568 ± 38.165 χ^2/NDF : 24.7/18

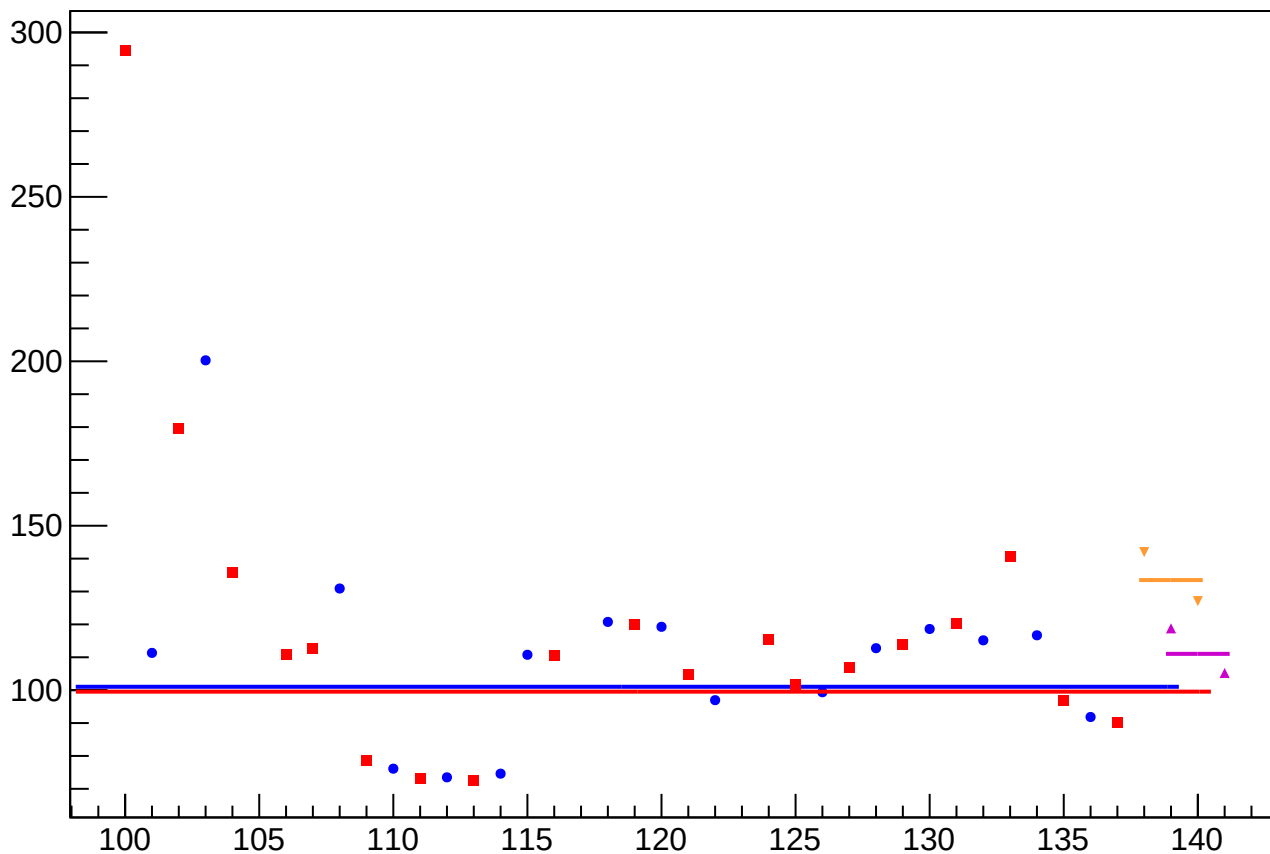
Left In: 11.419 ± 85.261 χ^2/NDF : 0.6/1

+ sign -12.375 ± 36.646 χ^2/NDF : 16.2/17

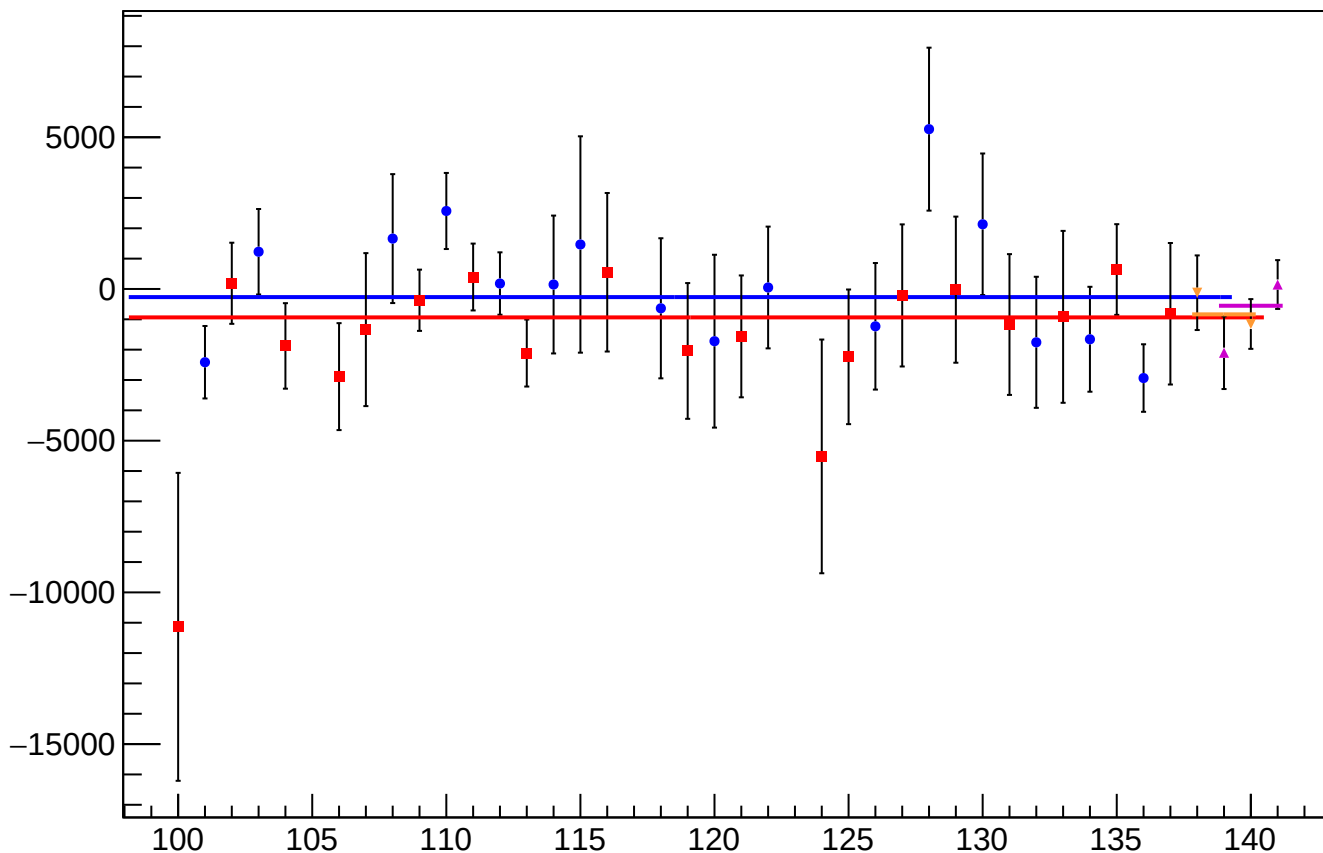
All: -5.997 ± 25.248 χ^2/NDF : 41.7/38

- sign -0.233 ± 34.834 χ^2/NDF : 25.4/20

dit_asym_sam_3748_avg_rms vs Slug



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

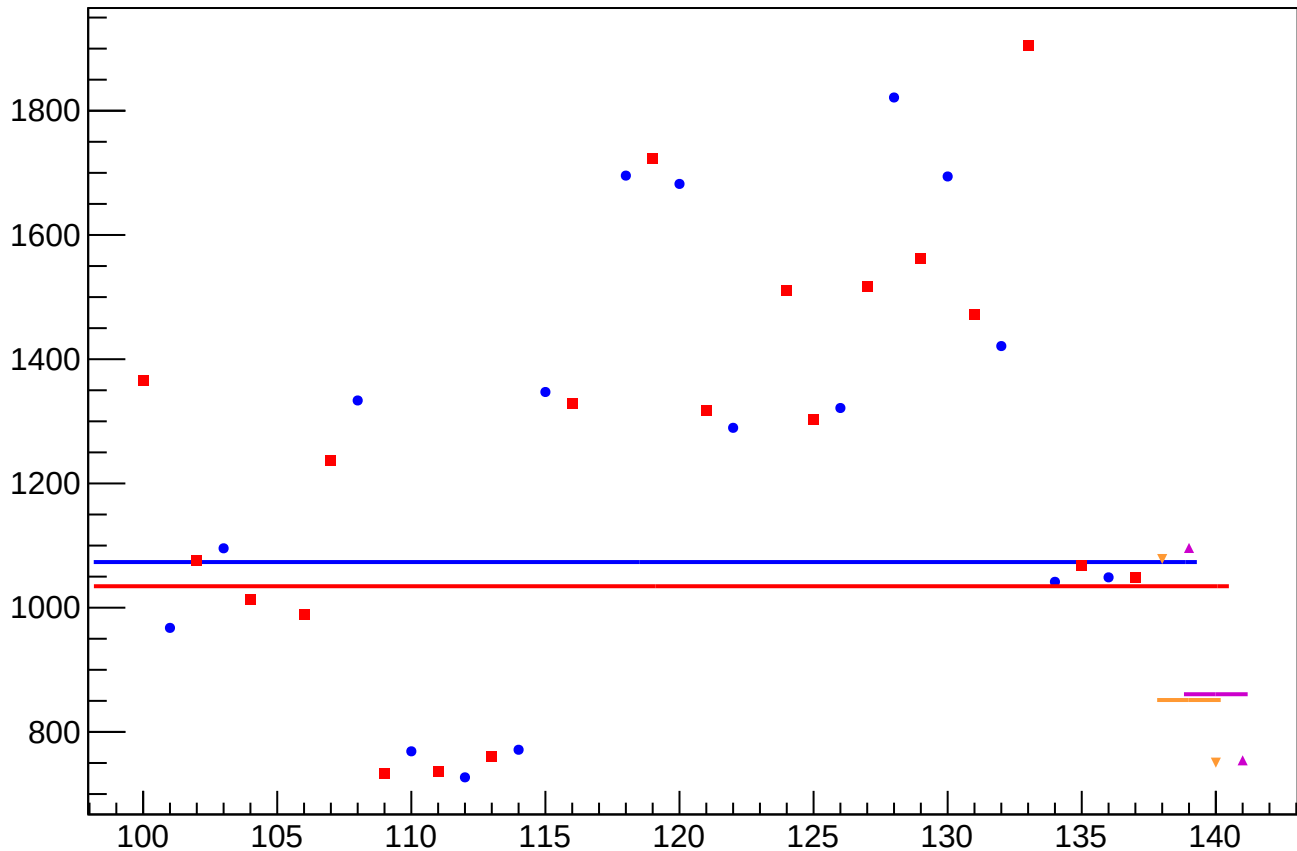
Left In: -553.137+/-667.413 χ^2/NDF : 2.4/1

+ sign -422.763+/-355.819 χ^2/NDF : 24.5/17

All: -638.738+/-246.088 χ^2/NDF : 41.0/38

- sign -836.765+/-340.713 χ^2/NDF : 15.8/20

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF : 1077055.9/15

Left Out: 851.360+/-0.482 χ^2/NDF : 98382.3/1

Right Out: 1034.535+/-0.280 χ^2/NDF : 1229344.1/18

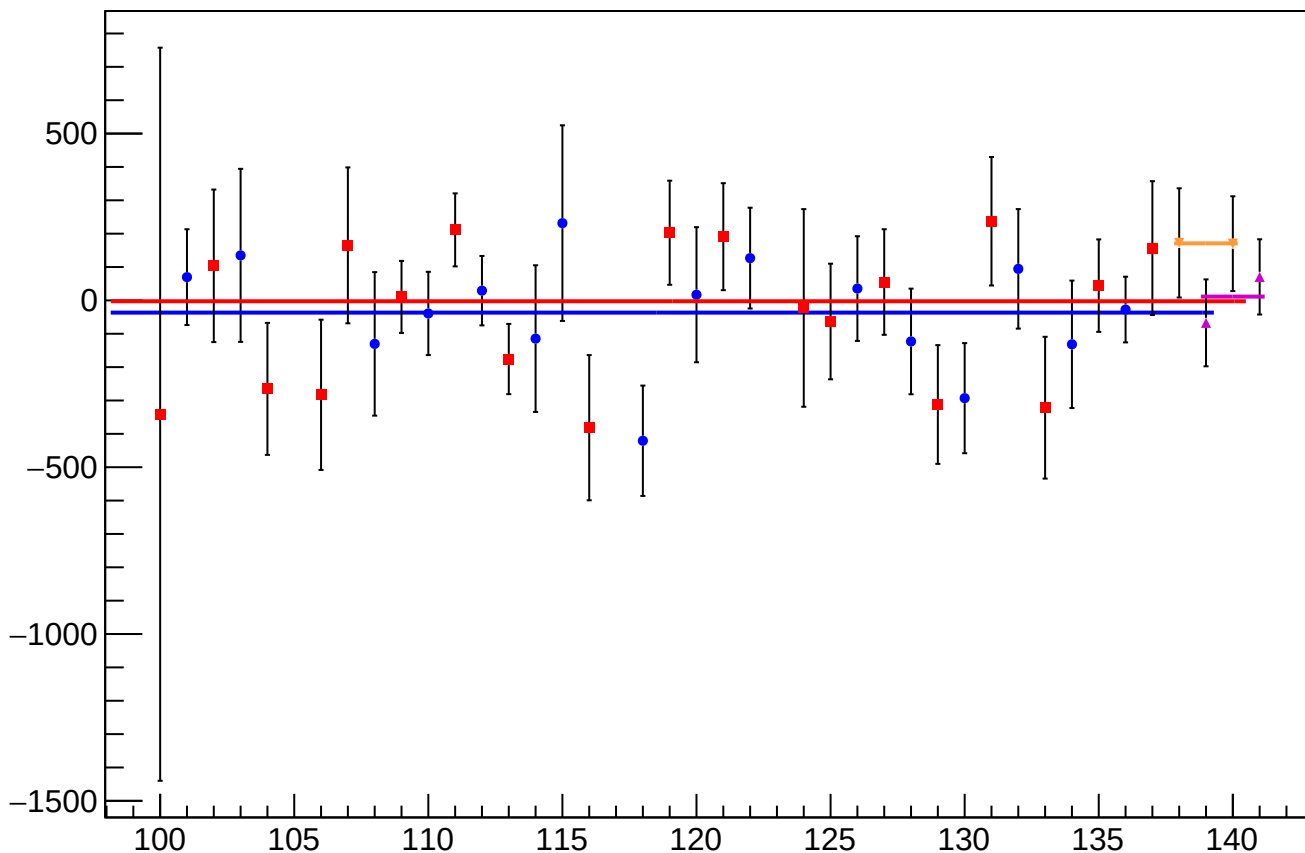
Left In: 860.680+/-0.472 χ^2/NDF : 112496.5/1

+ sign 1013.018+/-0.252 χ^2/NDF : 1329777.8/17

All: 1000.607+/-0.174 χ^2/NDF : 2776626.9/38

- sign 989.227+/-0.241 χ^2/NDF : 1442184.5/20

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 170.974 ± 107.289 χ^2/NDF : 0.0/1

Right Out: -2.566 ± 38.165 χ^2/NDF : 24.7/18

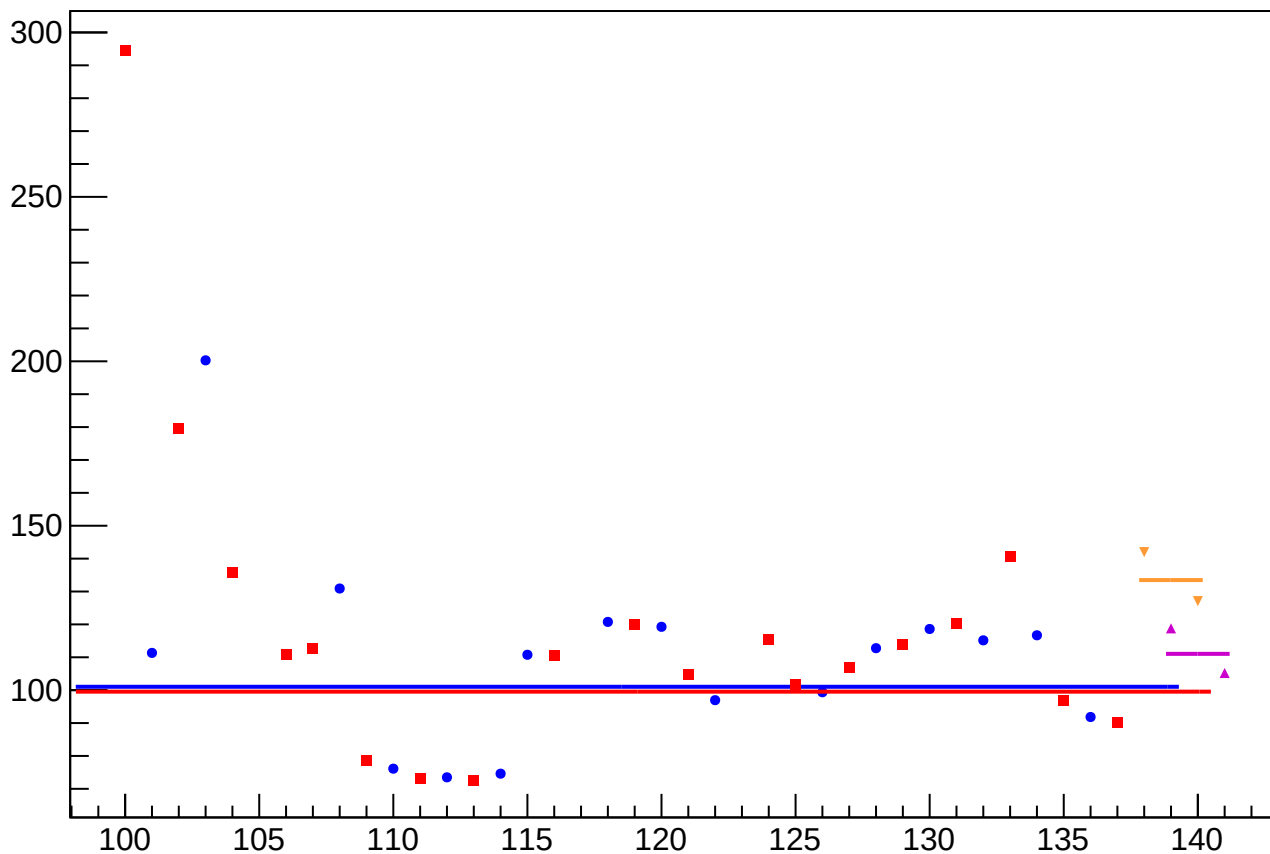
Left In: 11.418 ± 85.261 χ^2/NDF : 0.6/1

+ sign -12.374 ± 36.646 χ^2/NDF : 16.2/17

All: -5.995 ± 25.248 χ^2/NDF : 41.7/38

- sign -0.232 ± 34.834 χ^2/NDF : 25.4/20

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

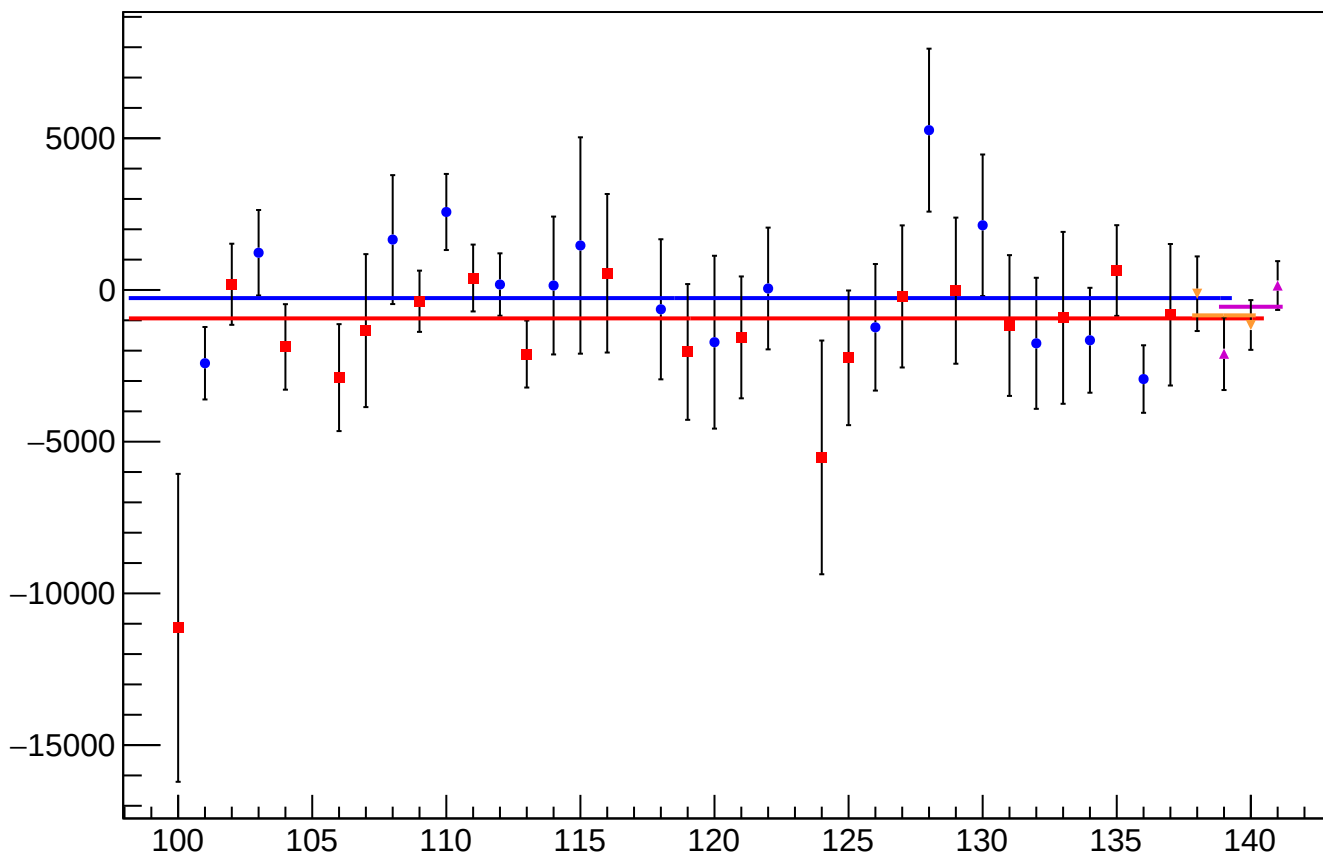
Left In: 111.043 $\pm$ 0.060 χ^2 /NDF: 12409.3/1

+ sign 104.817 $\pm$ 0.026 χ^2 /NDF: 887132.0/17

All: 103.057 $\pm$ 0.018 χ^2 /NDF: 1819112.9/38

- sign 101.466 $\pm$ 0.025 χ^2 /NDF: 923197.7/20

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

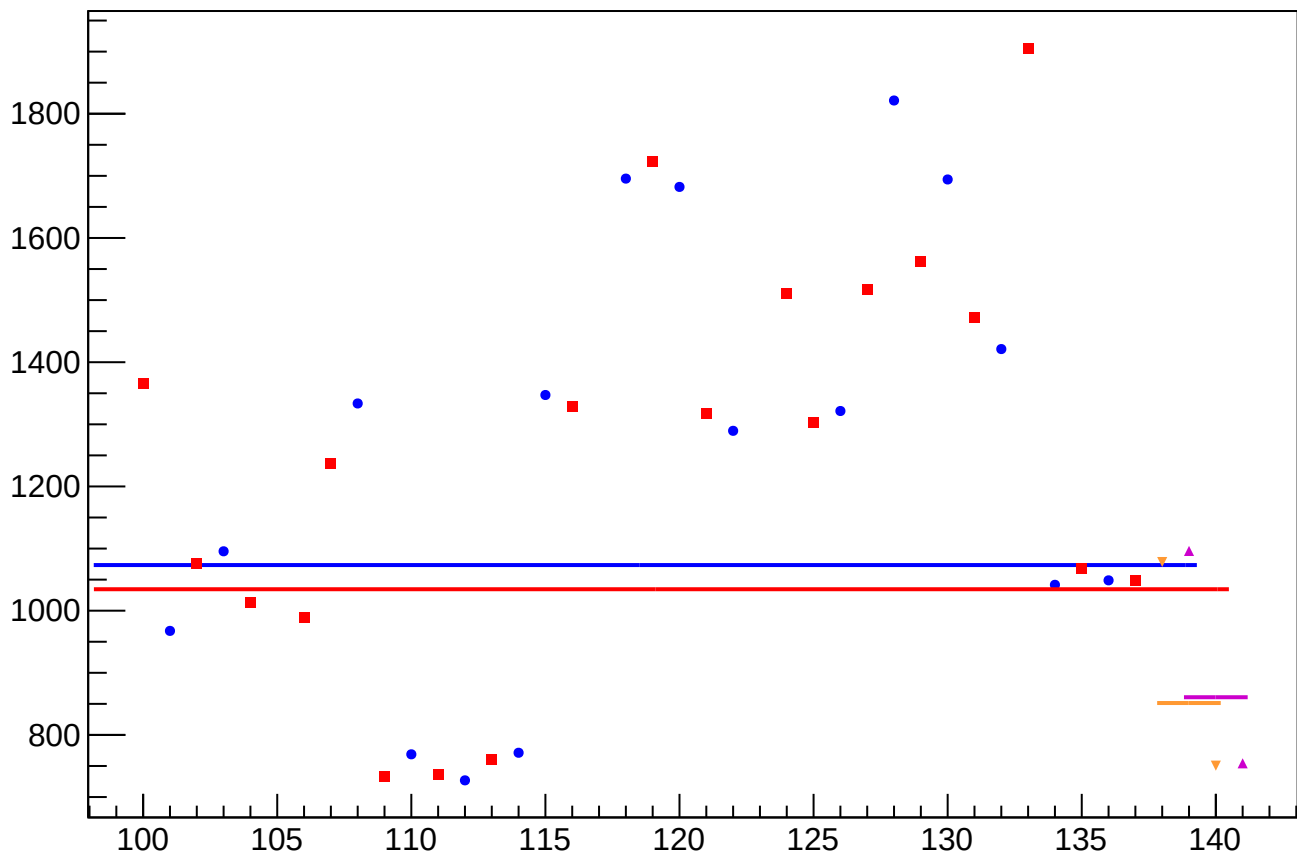
Left In: -553.137+/-667.411 χ^2/NDF : 2.4/1

+ sign -422.762+/-355.818 χ^2/NDF : 24.5/17

All: -638.737+/-246.087 χ^2/NDF : 41.0/38

- sign -836.764+/-340.713 χ^2/NDF : 15.8/20

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

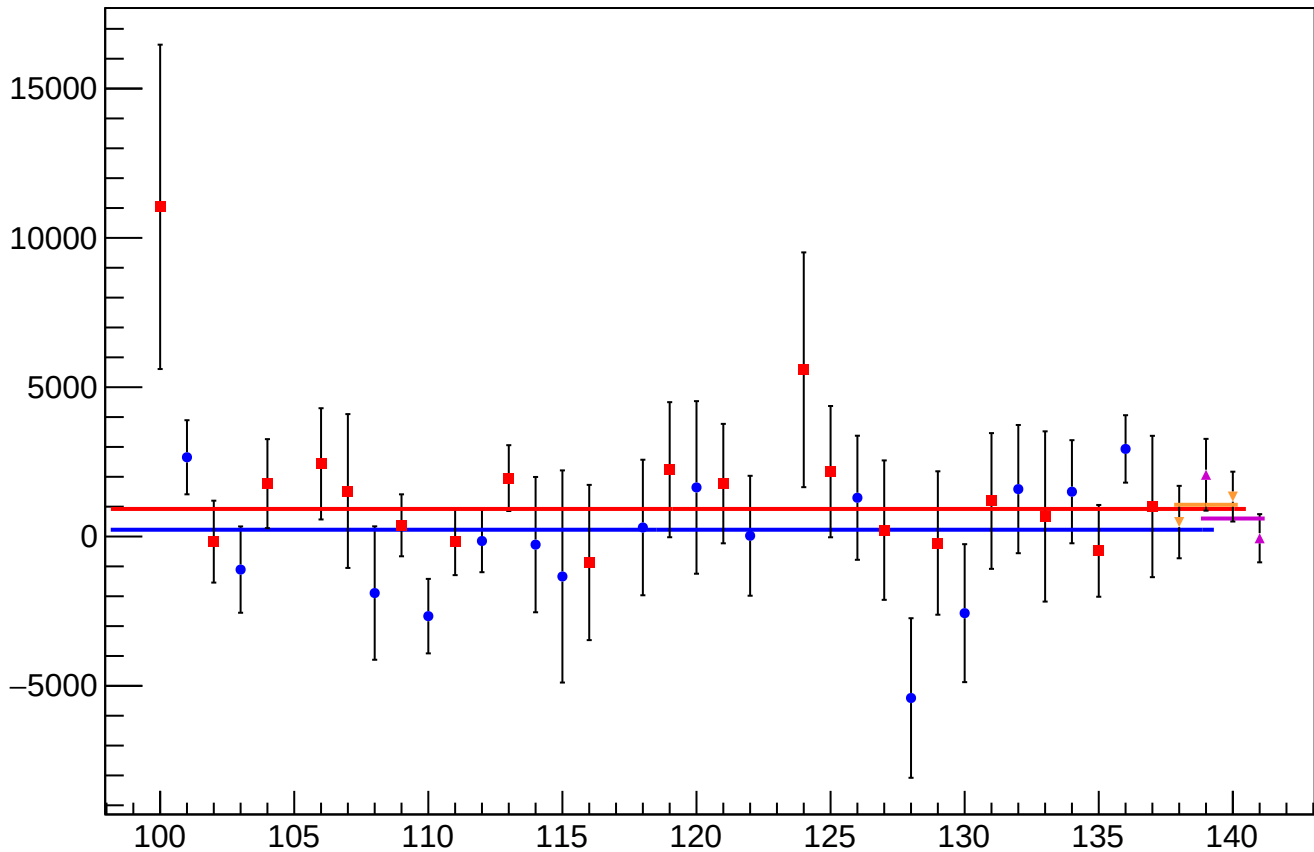
Left In: 860.678+/-0.472 χ^2/NDF : 112497.4/1

+ sign 1013.016+/-0.252 χ^2/NDF : 1329784.3/17

All: 1000.605+/-0.174 χ^2/NDF : 2776637.0/38

- sign 989.225+/-0.241 χ^2/NDF : 1442188.2/20

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

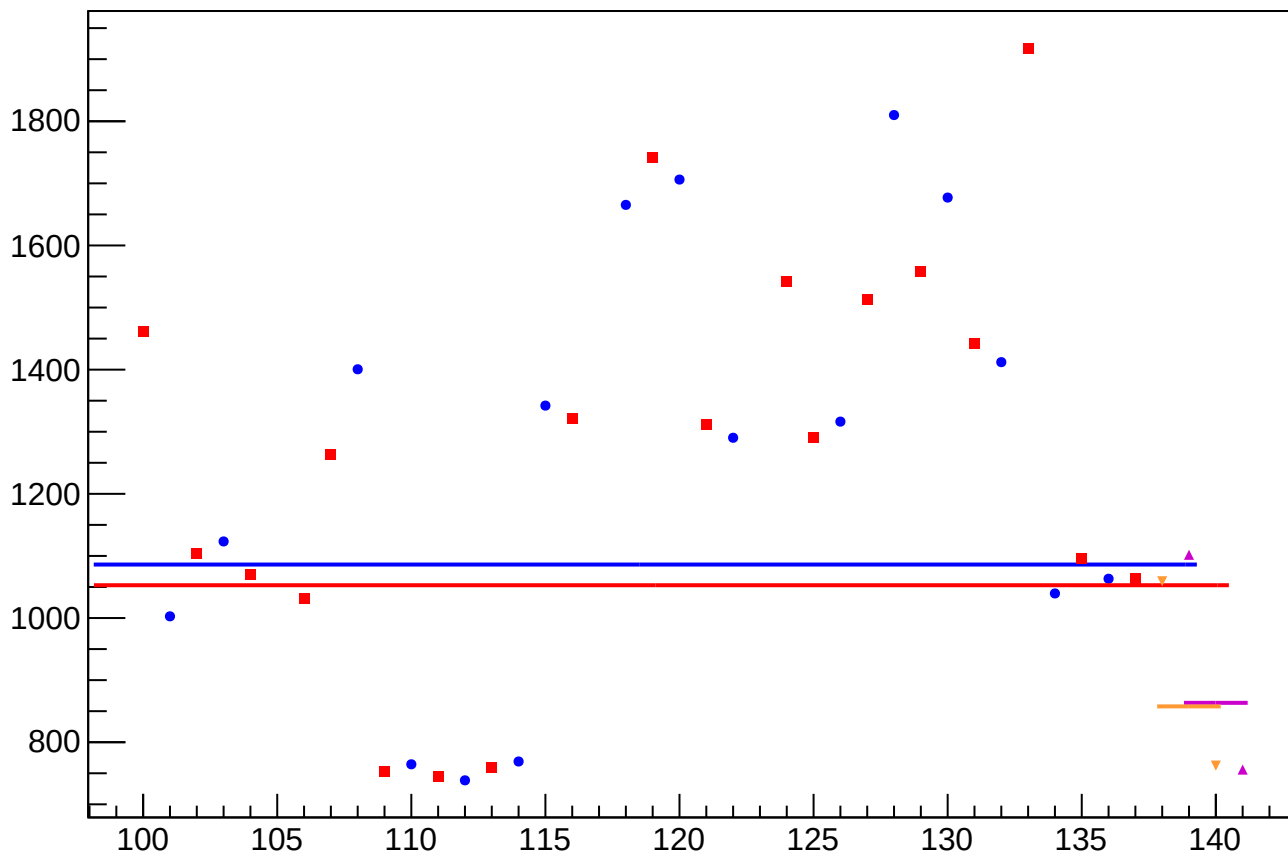
Left In: 603.156 $\pm$ 669.974 χ^2 /NDF: 2.2/1

+ sign 456.158 $\pm$ 359.514 χ^2 /NDF: 25.9/17

All: 654.962 $\pm$ 249.076 χ^2 /NDF: 39.9/38

- sign 838.465 $\pm$ 345.403 χ^2 /NDF: 13.5/20

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF : 1047479.6/15

Left Out: 857.700+/-0.486 χ^2/NDF : 81363.2/1

Right Out: 1052.831+/-0.285 χ^2/NDF : 1194420.8/18

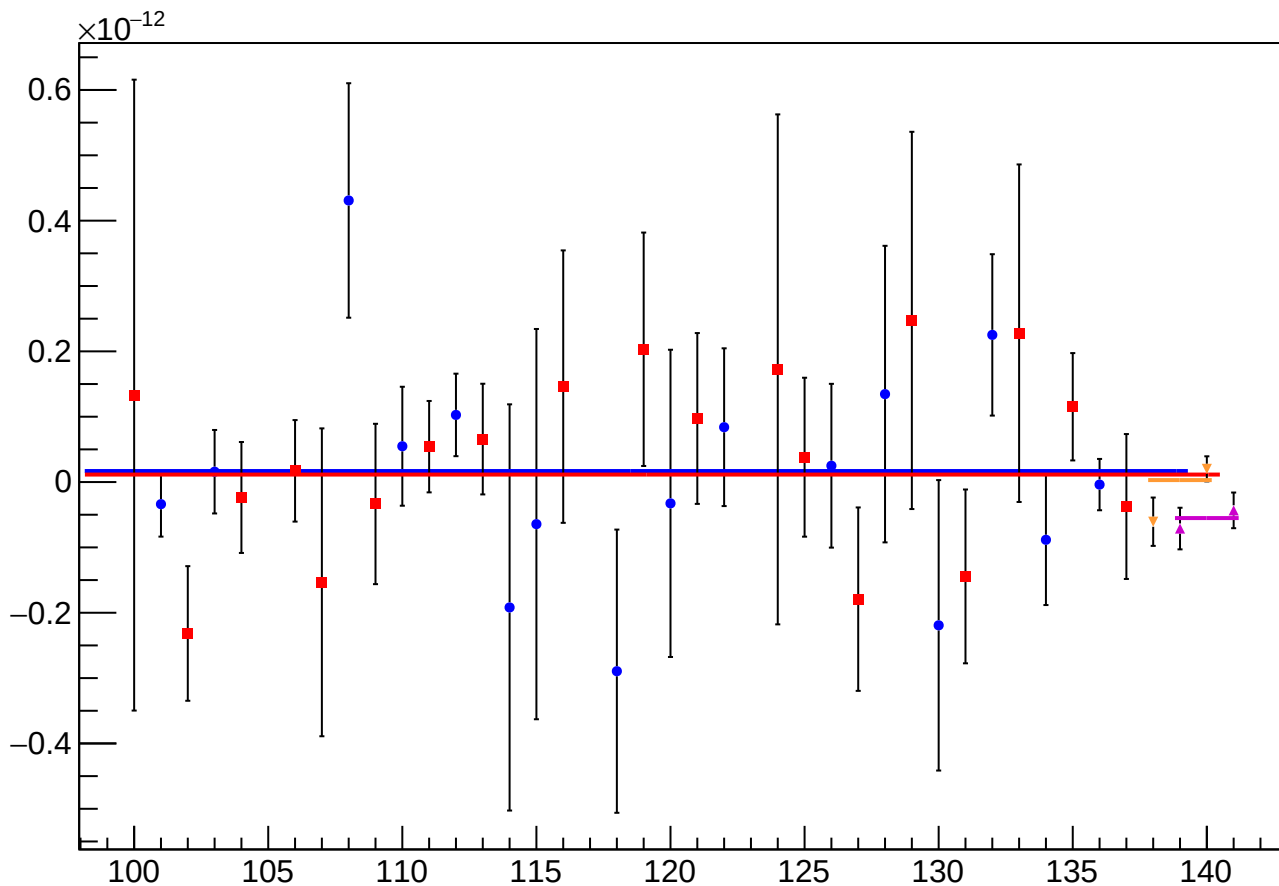
Left In: 863.425+/-0.474 χ^2/NDF : 114203.6/1

+ sign 1023.624+/-0.254 χ^2/NDF : 1289344.1/17

All: 1012.634+/-0.176 χ^2/NDF : 2718922.8/38

- sign 1002.489+/-0.244 χ^2/NDF : 1425984.4/20

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

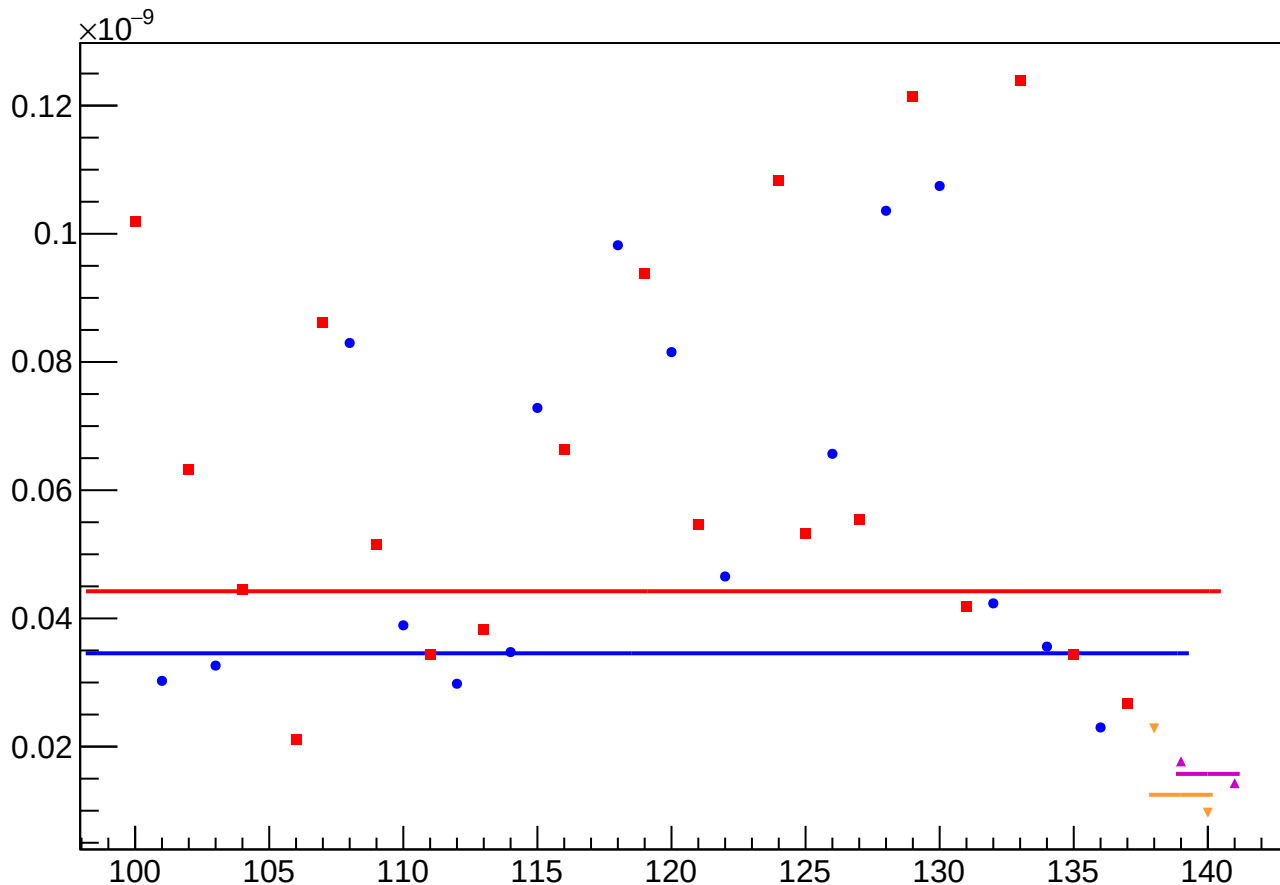
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 44.3/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/20

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

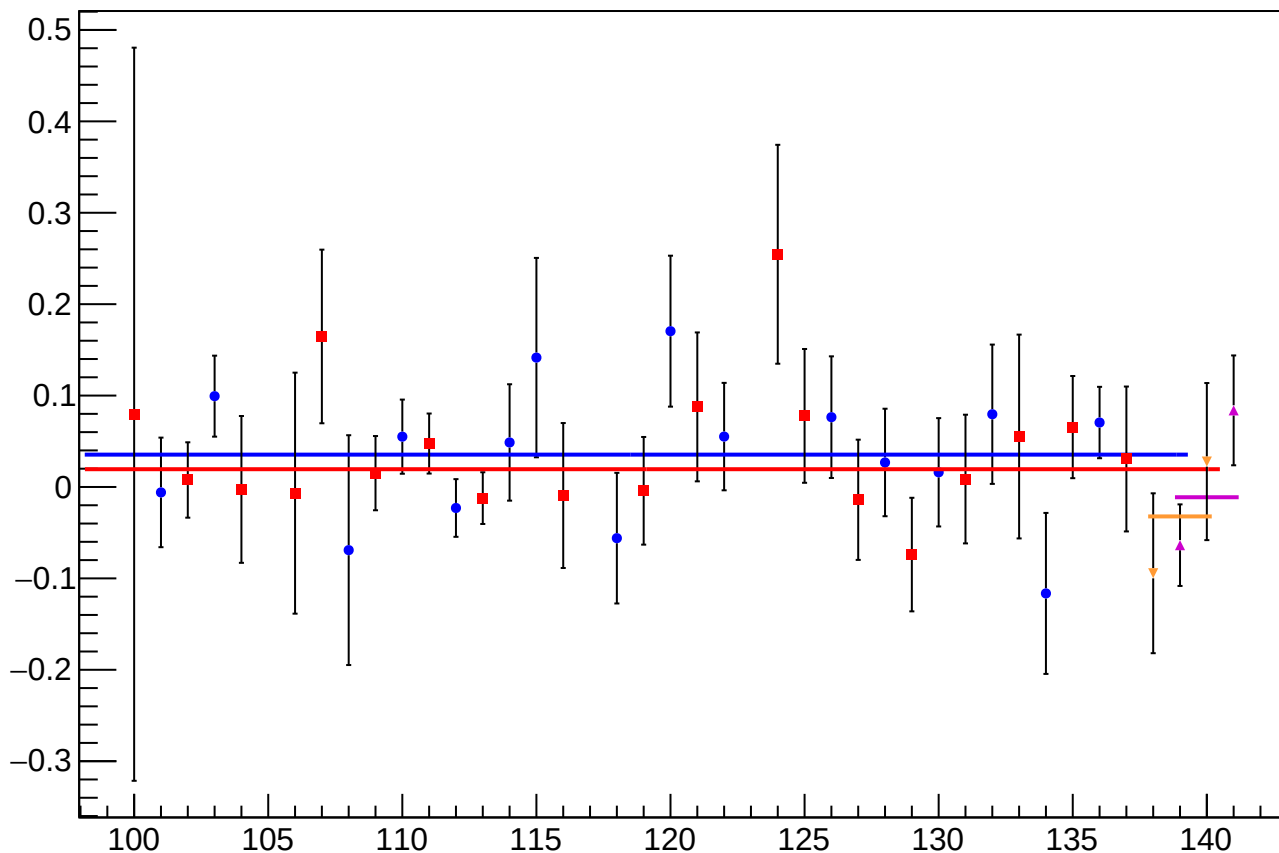
Left In: 0.000+/-0.000 χ^2/NDF : 13115.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 2659165.8/17

All: 0.000+/-0.000 χ^2/NDF : 5288561.4/38

- sign 0.000+/-0.000 χ^2/NDF : 2494417.8/20

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

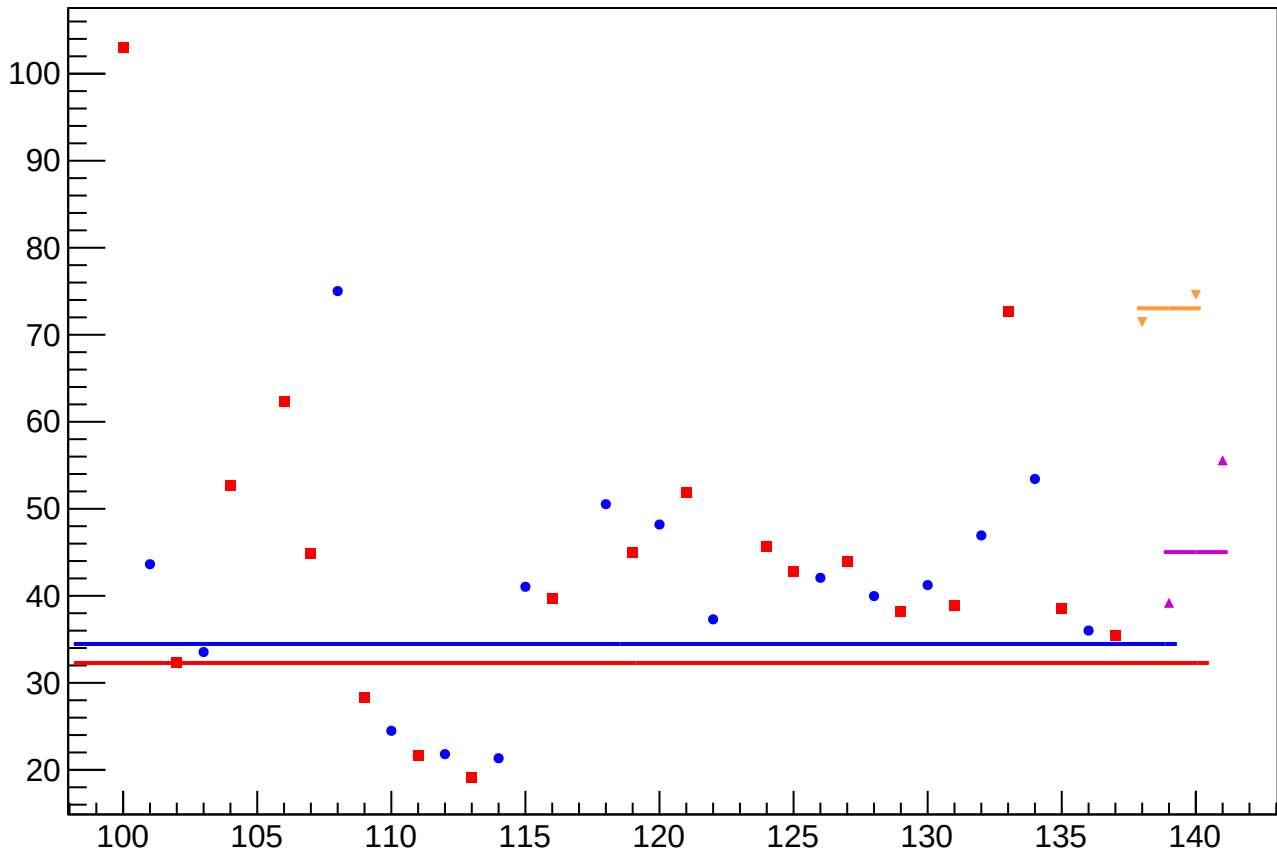
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.023 $\pm$ 0.009 χ^2 /NDF: 37.8/38

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

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

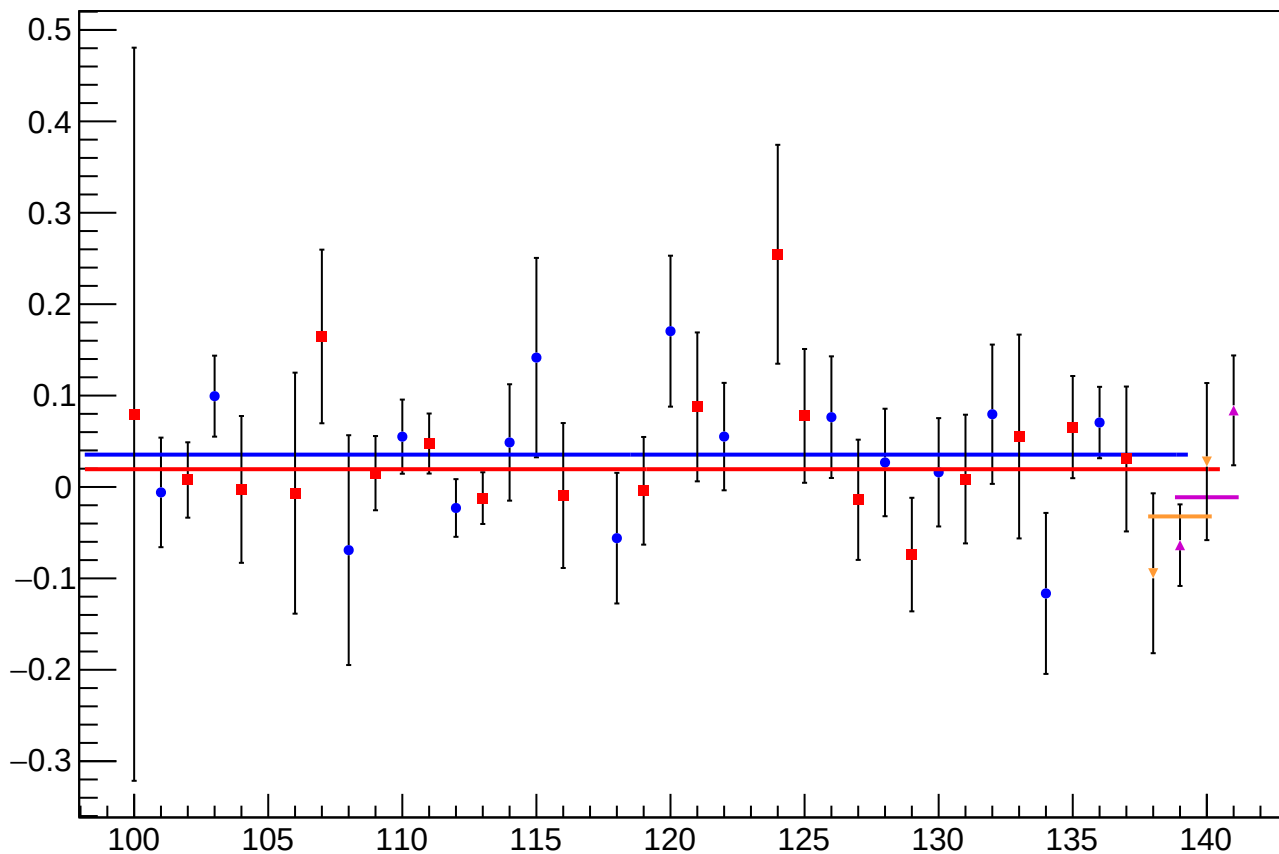
Left In: 45.026 $\pm$ 0.025 χ^2/NDF :95642.1/1

+ sign 36.352 $\pm$ 0.010 χ^2/NDF : 1925720.6/17

All: 34.951 $\pm$ 0.006 χ^2/NDF : 3956123.7/38

- sign 33.792 $\pm$ 0.009 χ^2/NDF : 1991322.9/20

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

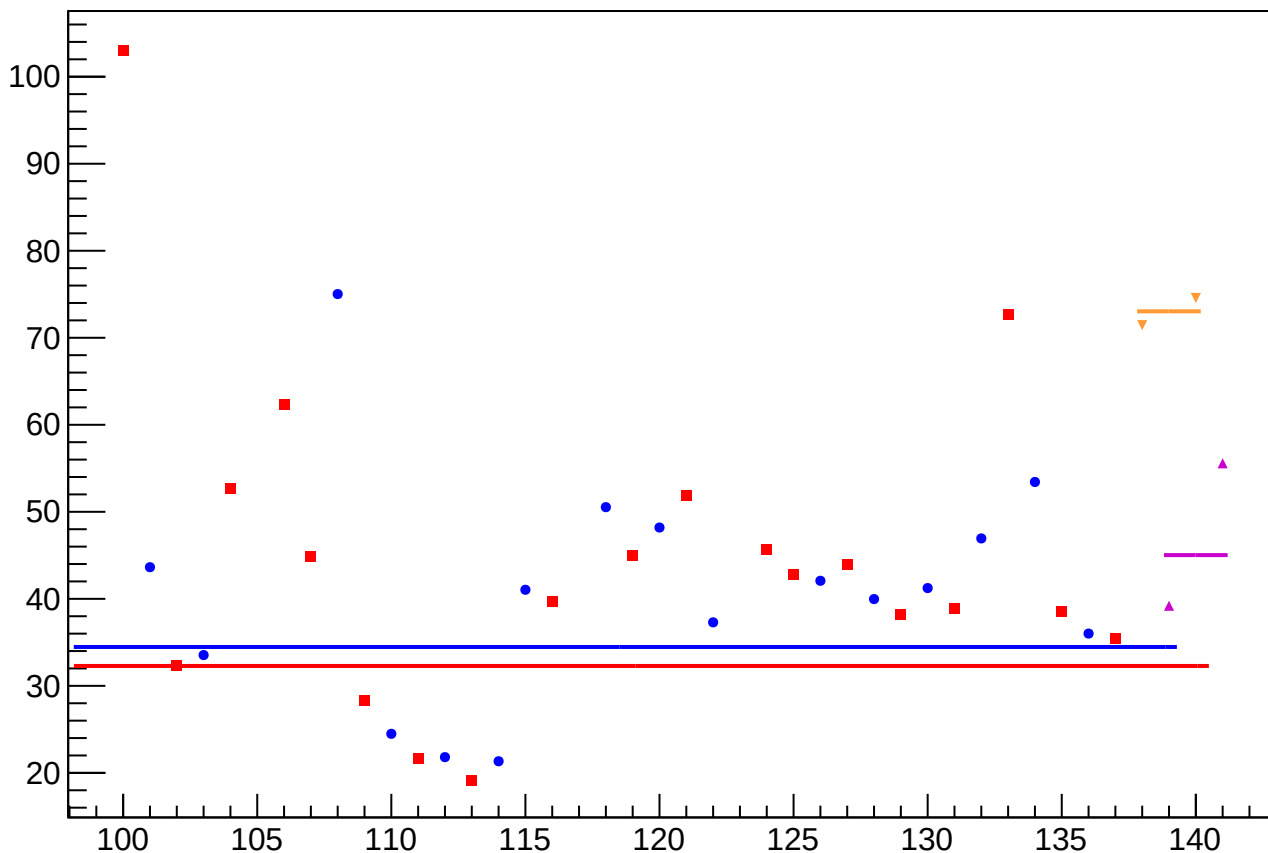
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.023 $\pm$ 0.009 χ^2 /NDF: 37.8/38

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

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

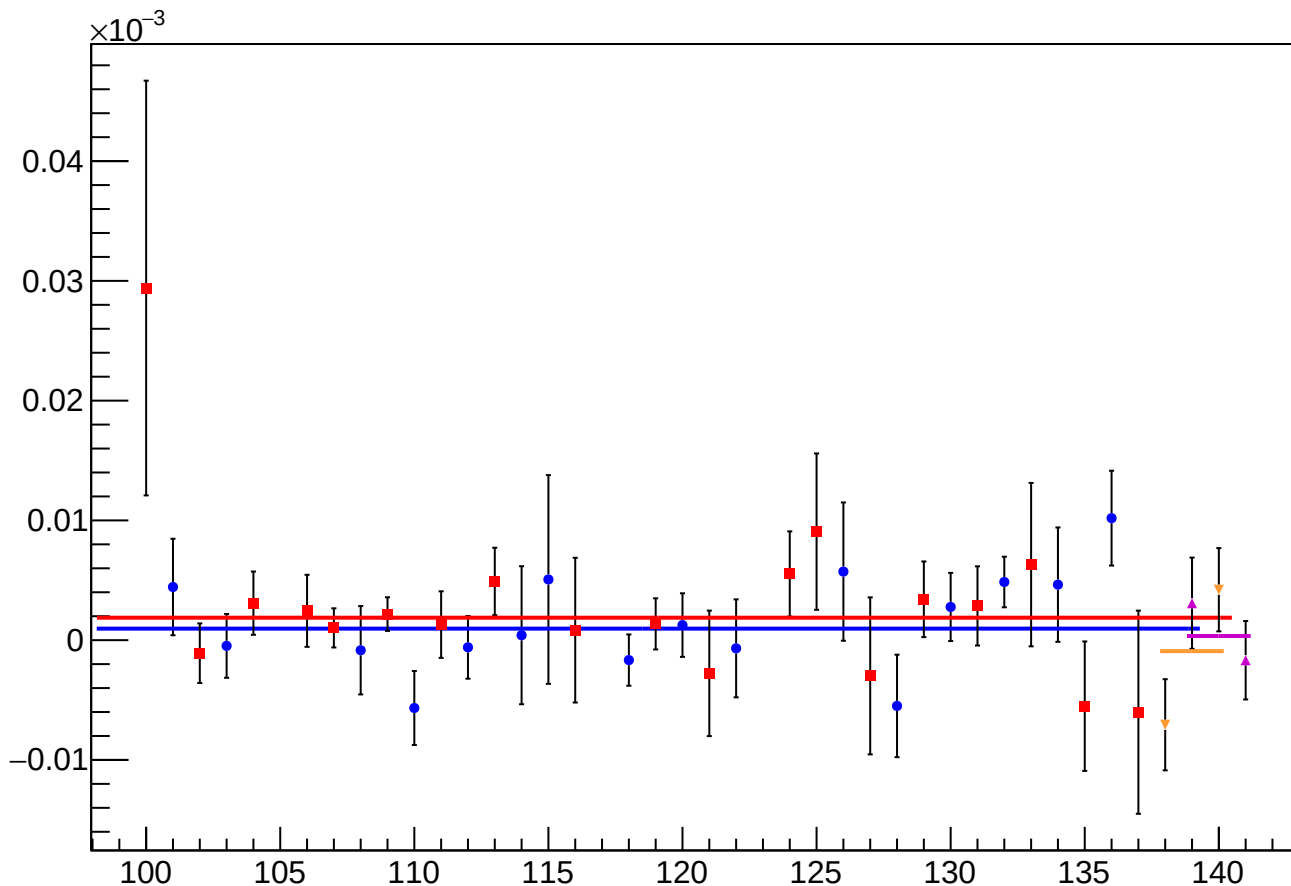
Left In: 45.026 $\pm$ 0.025 χ^2/NDF : 95642.1/1

+ sign 36.352 $\pm$ 0.010 χ^2/NDF : 1925720.6/17

All: 34.951 $\pm$ 0.006 χ^2/NDF : 3956123.7/38

- sign 33.792 $\pm$ 0.009 χ^2/NDF : 1991322.9/20

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

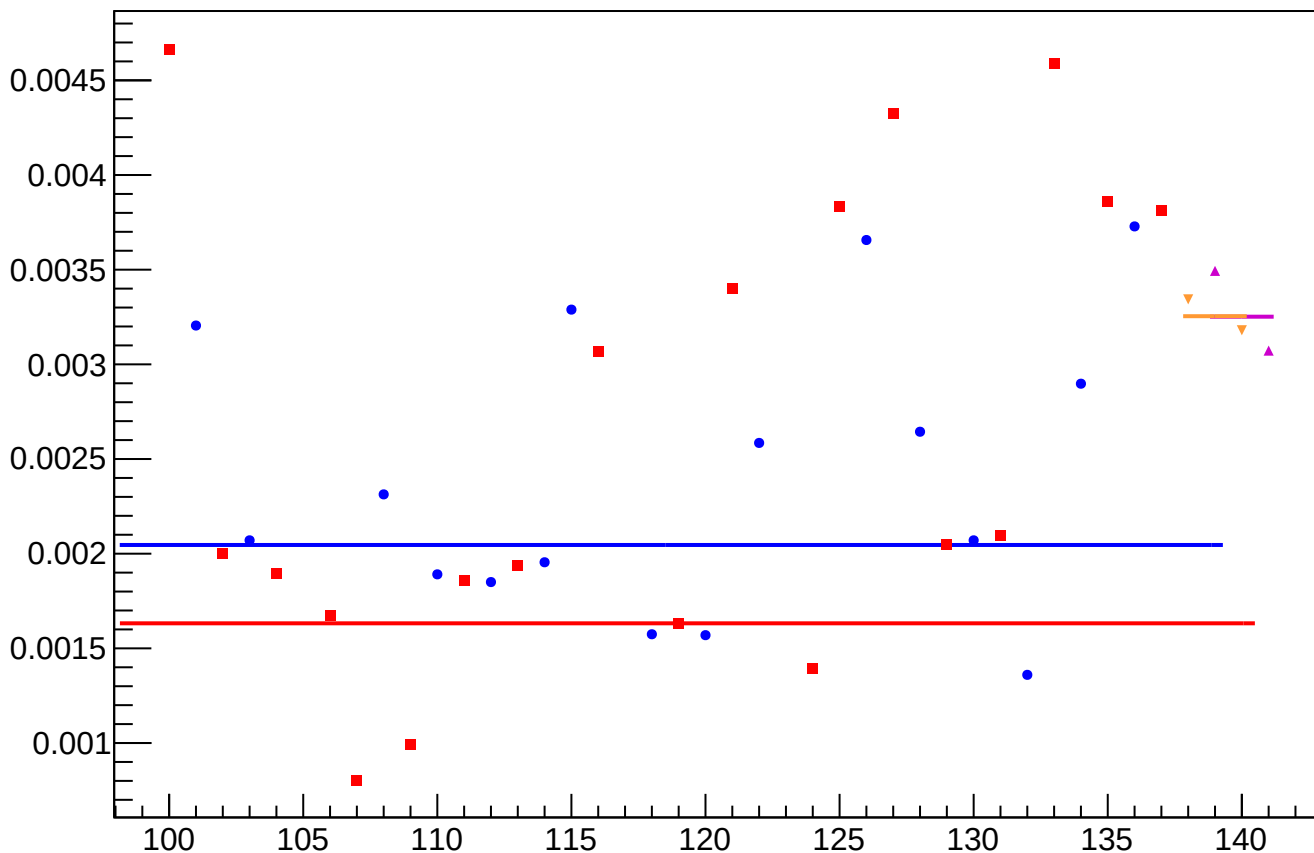
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.3/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/20

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1260485.9/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2005.8/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2928991.9/18

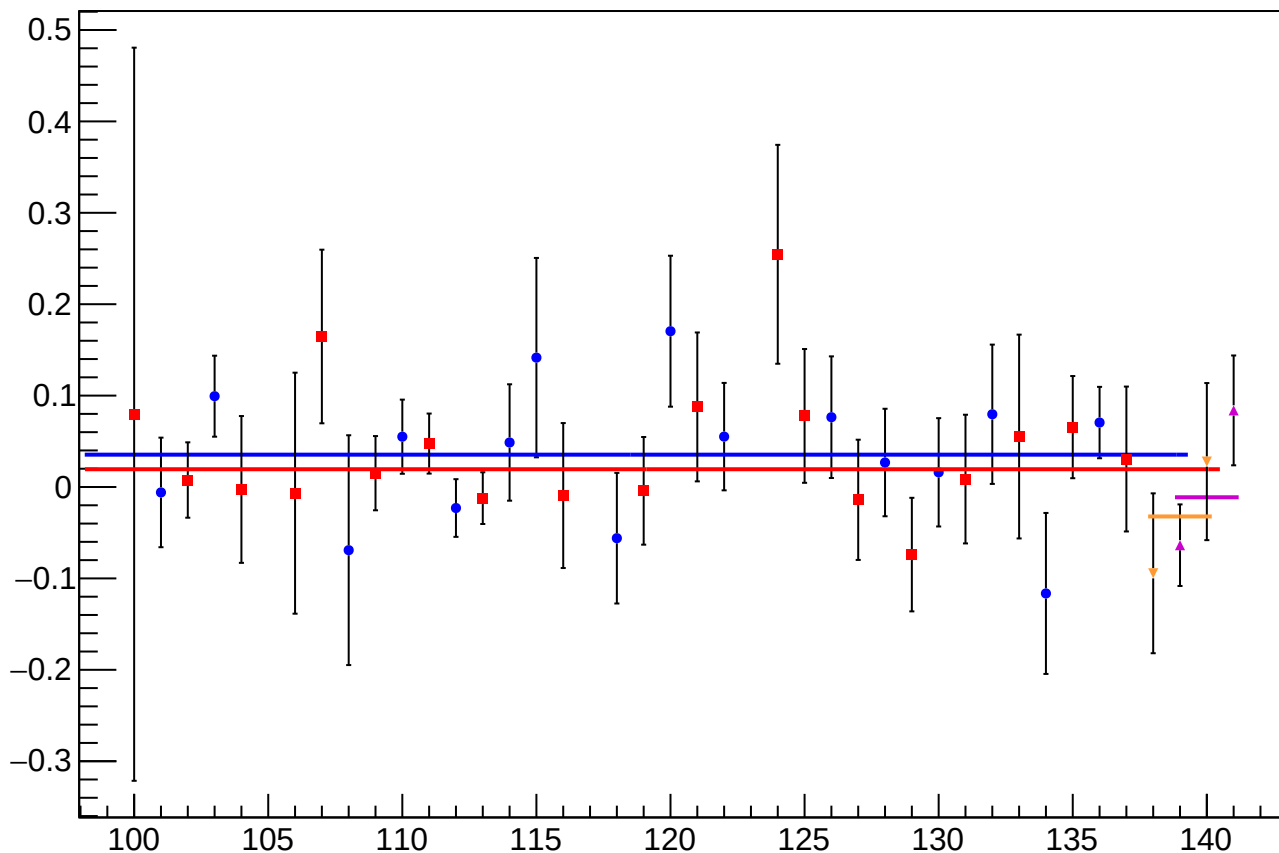
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 14060.4/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1665575.6/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5737706.1/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3735823.0/20

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

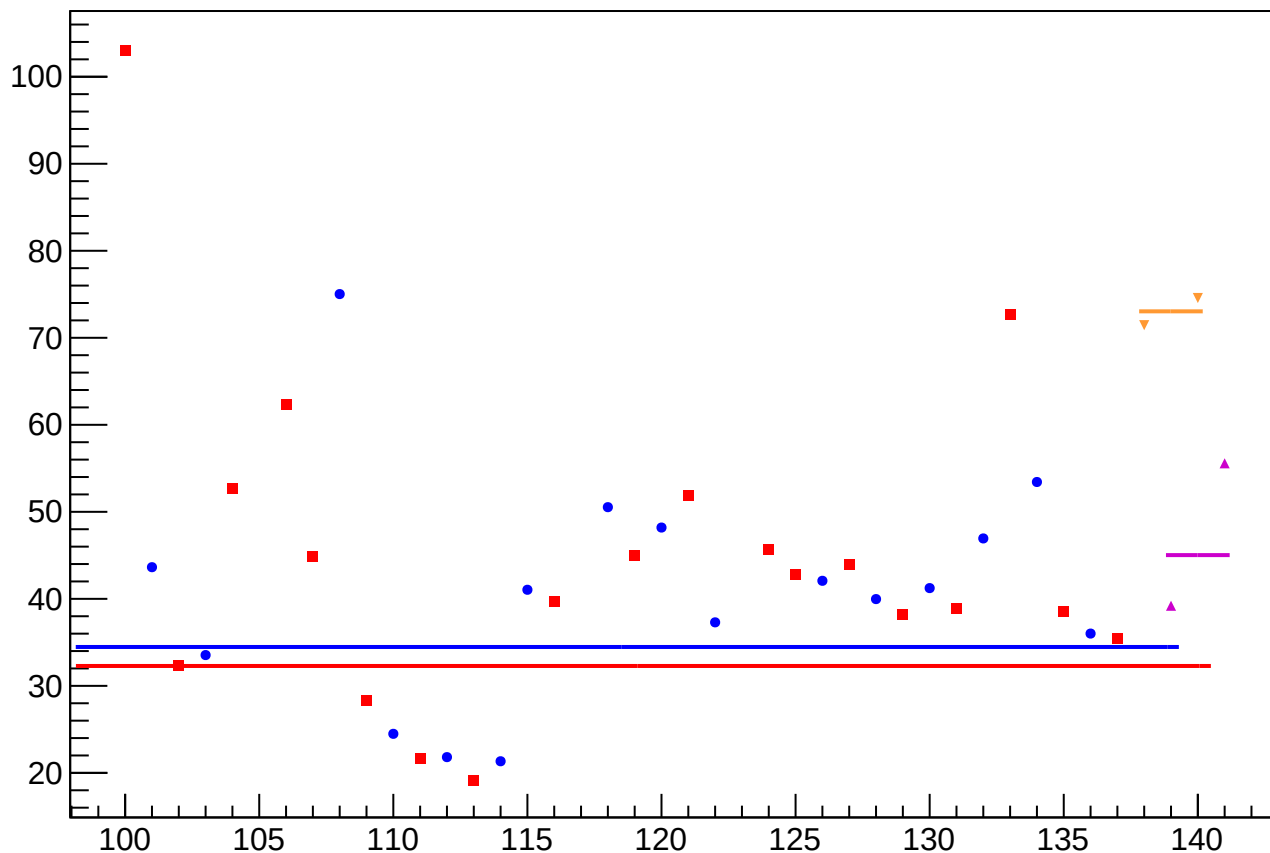
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.023 $\pm$ 0.009 χ^2 /NDF: 37.8/38

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.469 $\pm$ 0.010 χ^2/NDF : 1171158.4/15

Left Out: 73.040 $\pm$ 0.043 χ^2/NDF : 1298.4/1

Right Out: 32.285 $\pm$ 0.009 χ^2/NDF : 1672606.5/18

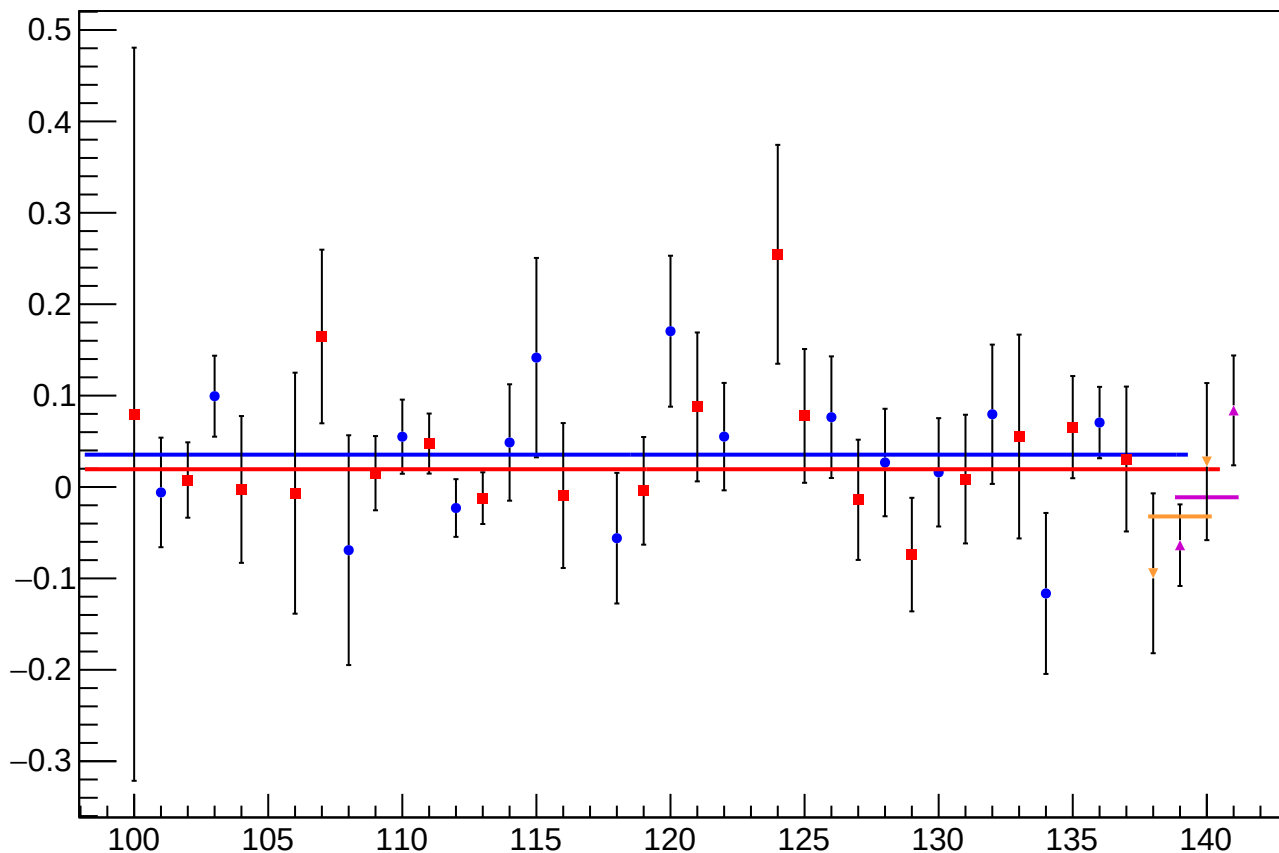
Left In: 45.026 $\pm$ 0.025 χ^2/NDF : 95652.8/1

+ sign 36.353 $\pm$ 0.010 χ^2/NDF : 1925667.0/17

All: 34.952 $\pm$ 0.006 χ^2/NDF : 3956036.6/38

- sign 33.793 $\pm$ 0.009 χ^2/NDF : 1991289.9/20

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

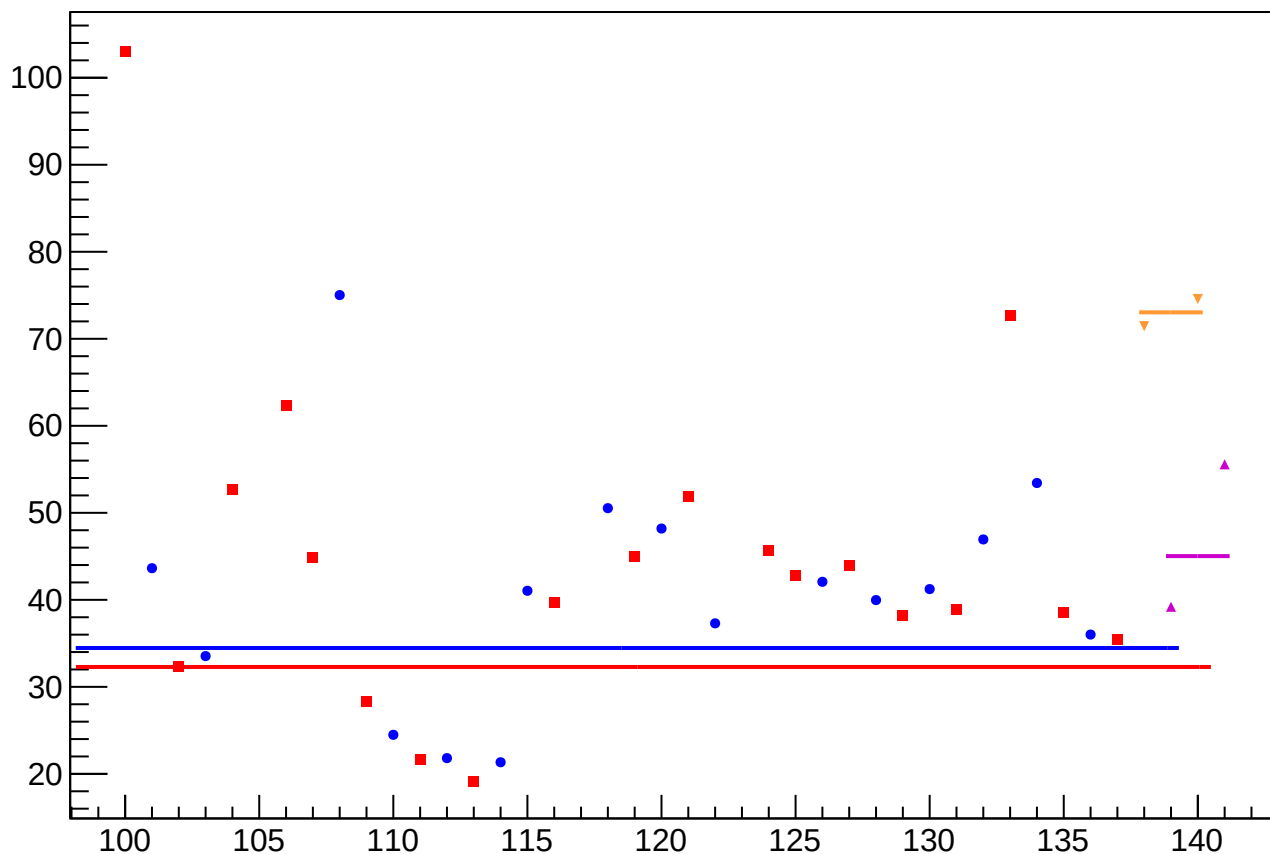
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.032 $\pm$ 0.014 χ^2 /NDF: 19.1/17

All: 0.023 $\pm$ 0.009 χ^2 /NDF: 37.8/38

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.469 $\pm$ 0.010 χ^2/NDF : 1171158.4/15

Left Out: 73.040 $\pm$ 0.043 χ^2/NDF :1298.4/1

Right Out: 32.285 $\pm$ 0.009 χ^2/NDF : 1672606.5/18

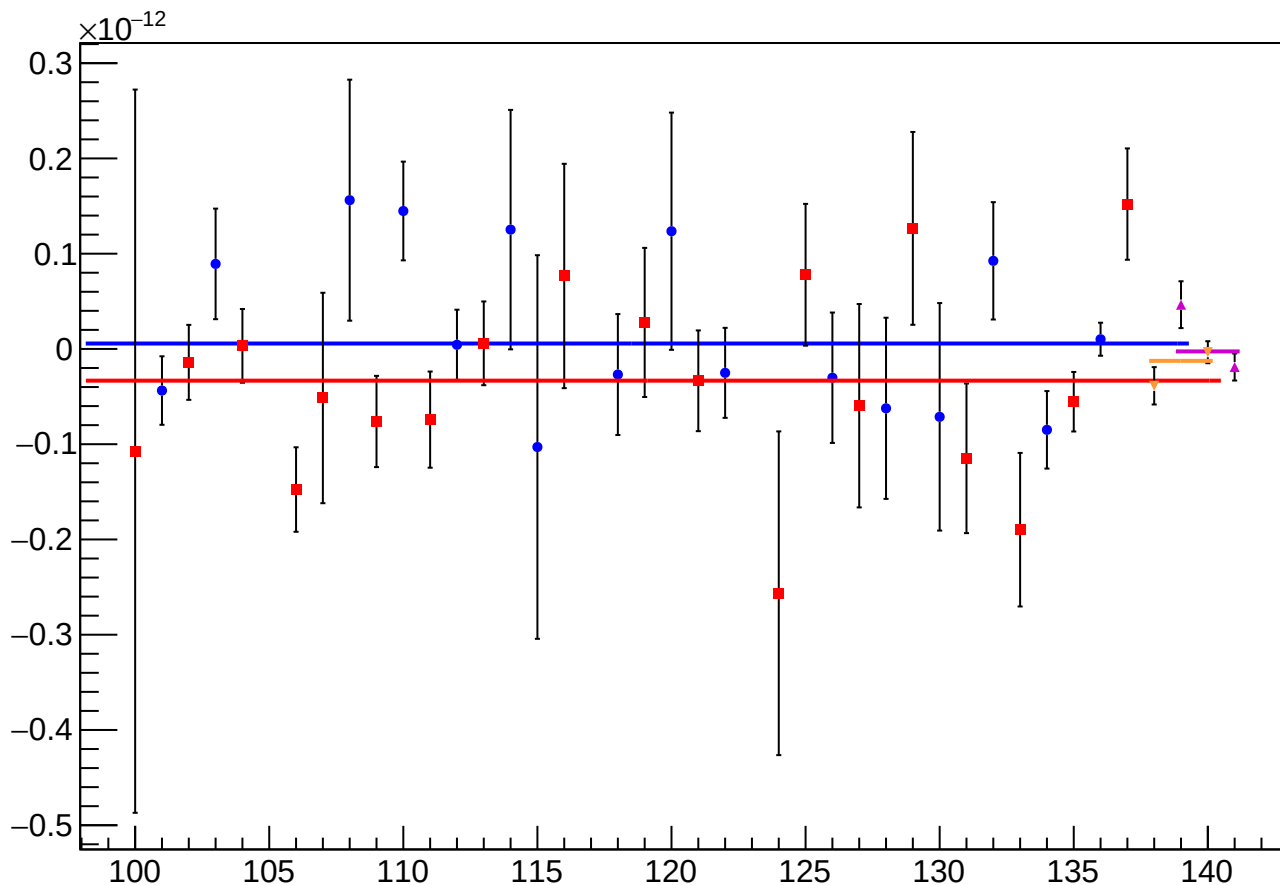
Left In: 45.026 $\pm$ 0.025 χ^2/NDF :95652.8/1

+ sign 36.353 $\pm$ 0.010 χ^2/NDF : 1925667.0/17

All: 34.952 $\pm$ 0.006 χ^2/NDF : 3956036.6/38

- sign 33.793 $\pm$ 0.009 χ^2/NDF : 1991289.9/20

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

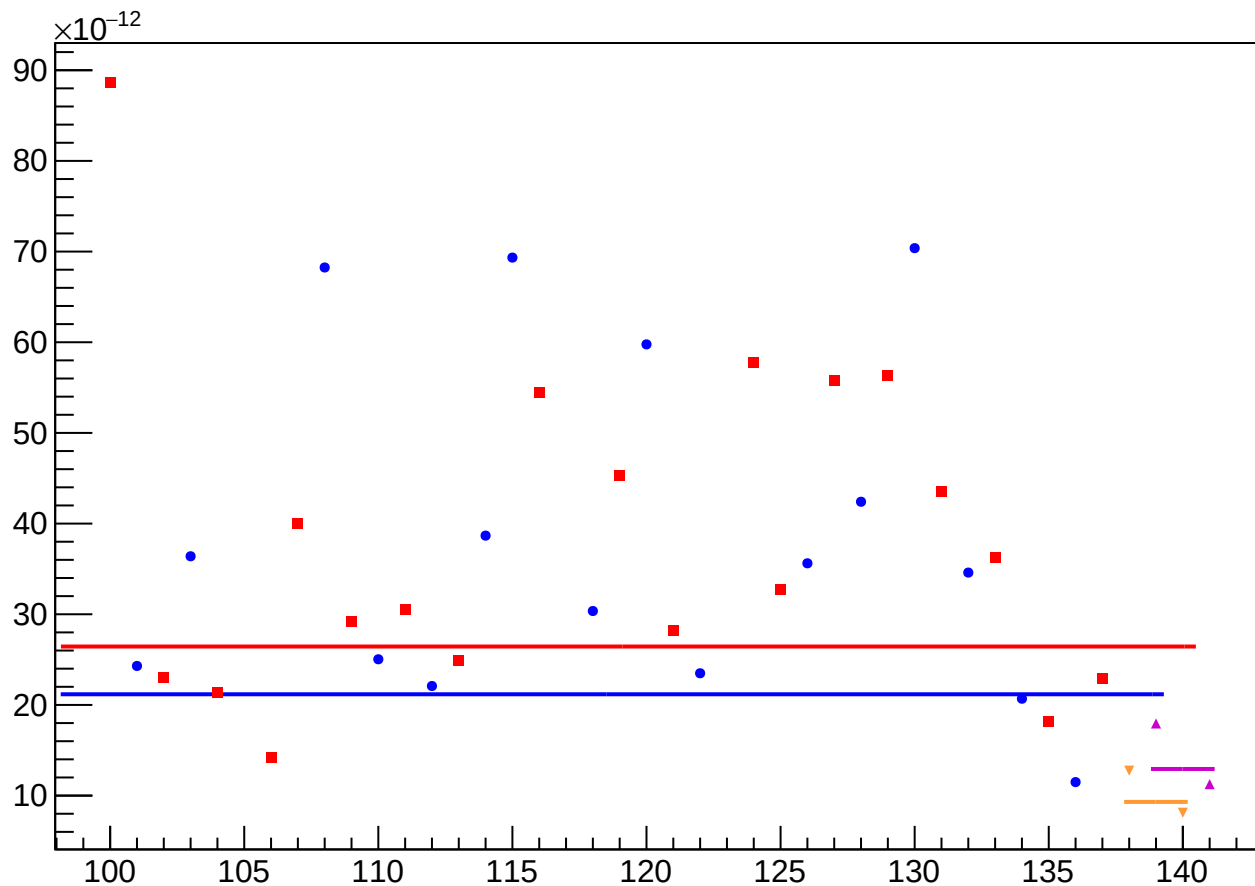
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 5.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 70.3/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/20

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

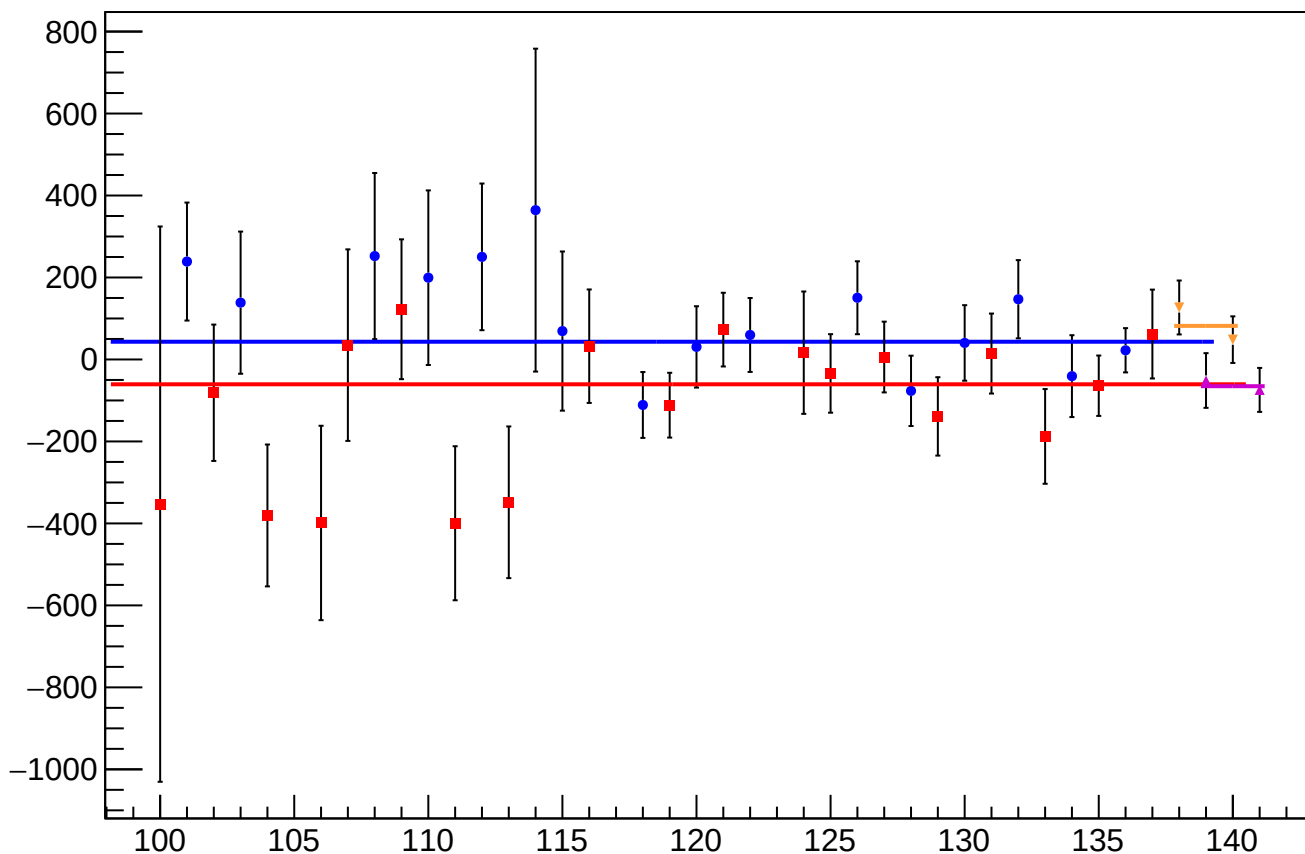
Left In: 0.000+/-0.000 χ^2/NDF : 111159.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3393816.1/17

All: 0.000+/-0.000 χ^2/NDF : 6205961.6/38

- sign 0.000+/-0.000 χ^2/NDF : 2465114.0/20

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

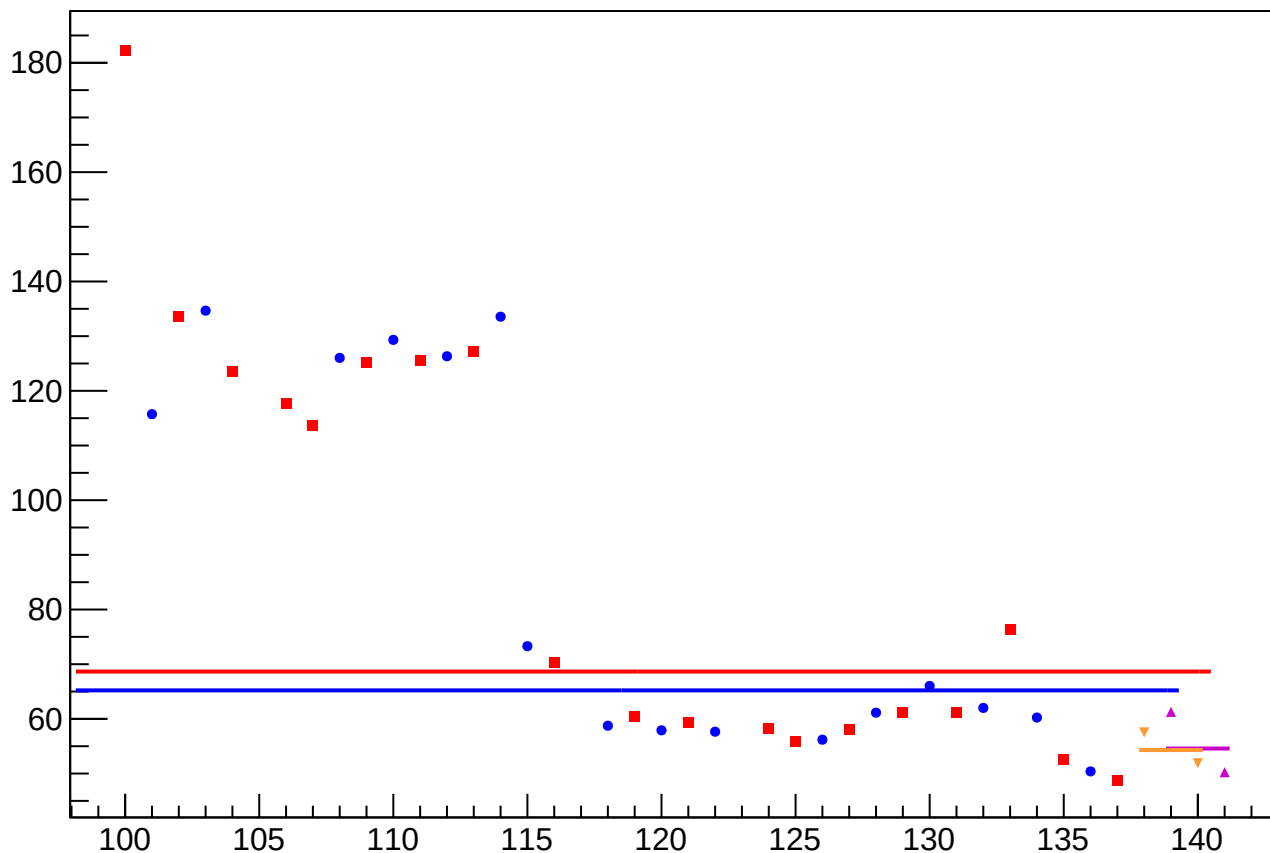
Left In: -65.247 $\pm$ 41.803 χ^2 /NDF: 0.1/1

+ sign 53.468 $\pm$ 22.113 χ^2 /NDF: 16.4/17

All: -2.937 $\pm$ 15.812 χ^2 /NDF: 50.2/38

- sign -61.947 $\pm$ 22.618 χ^2 /NDF: 20.5/20

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2 /NDF: 1446504.6/15

Left Out: 54.302+/-0.030 χ^2 /NDF:8388.9/1

Right Out: 68.656+/-0.019 χ^2 /NDF: 1640900.1/18

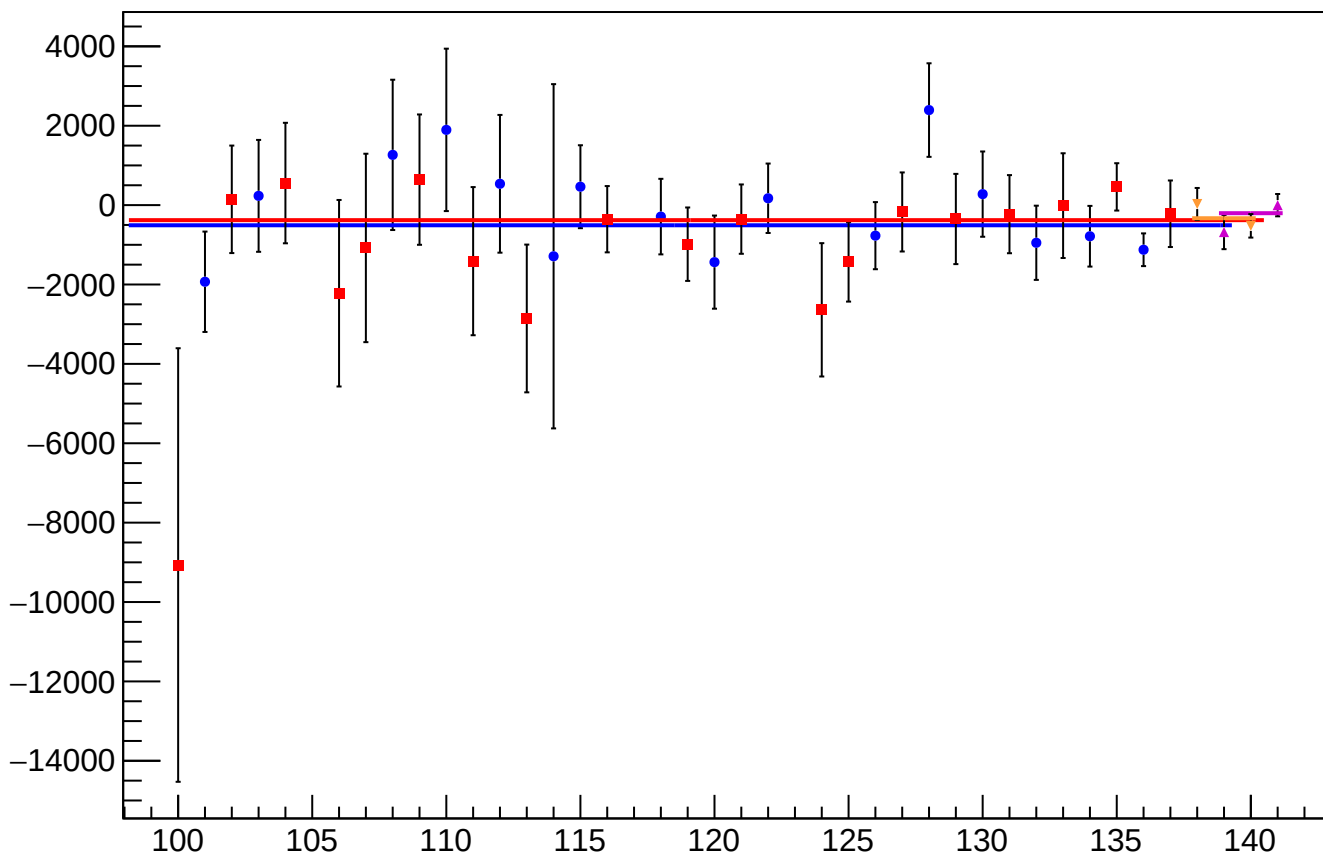
Left In: 54.578+/-0.030 χ^2 /NDF:33257.7/1

+ sign 62.329+/-0.016 χ^2 /NDF: 1549565.7/17

All: 63.407+/-0.011 χ^2 /NDF: 3393882.8/38

- sign 64.535+/-0.016 χ^2 /NDF: 1834587.1/20

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

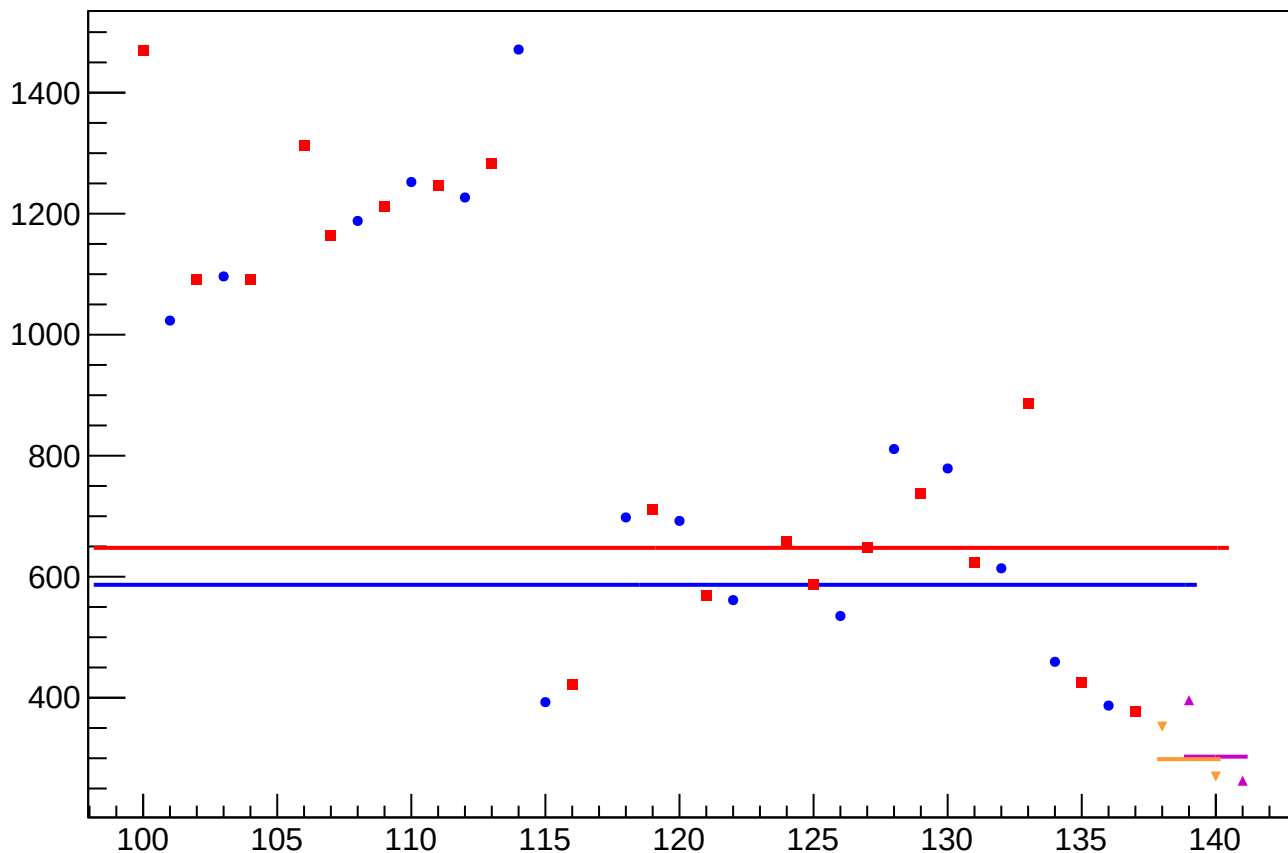
Left In: -203.481+/-235.488 χ^2 /NDF: 1.7/1

+ sign -420.011+/-168.199 χ^2 /NDF: 17.1/17

All: -353.966+/-120.745 χ^2 /NDF: 31.1/38

- sign -283.740+/-173.440 χ^2 /NDF: 13.7/20

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

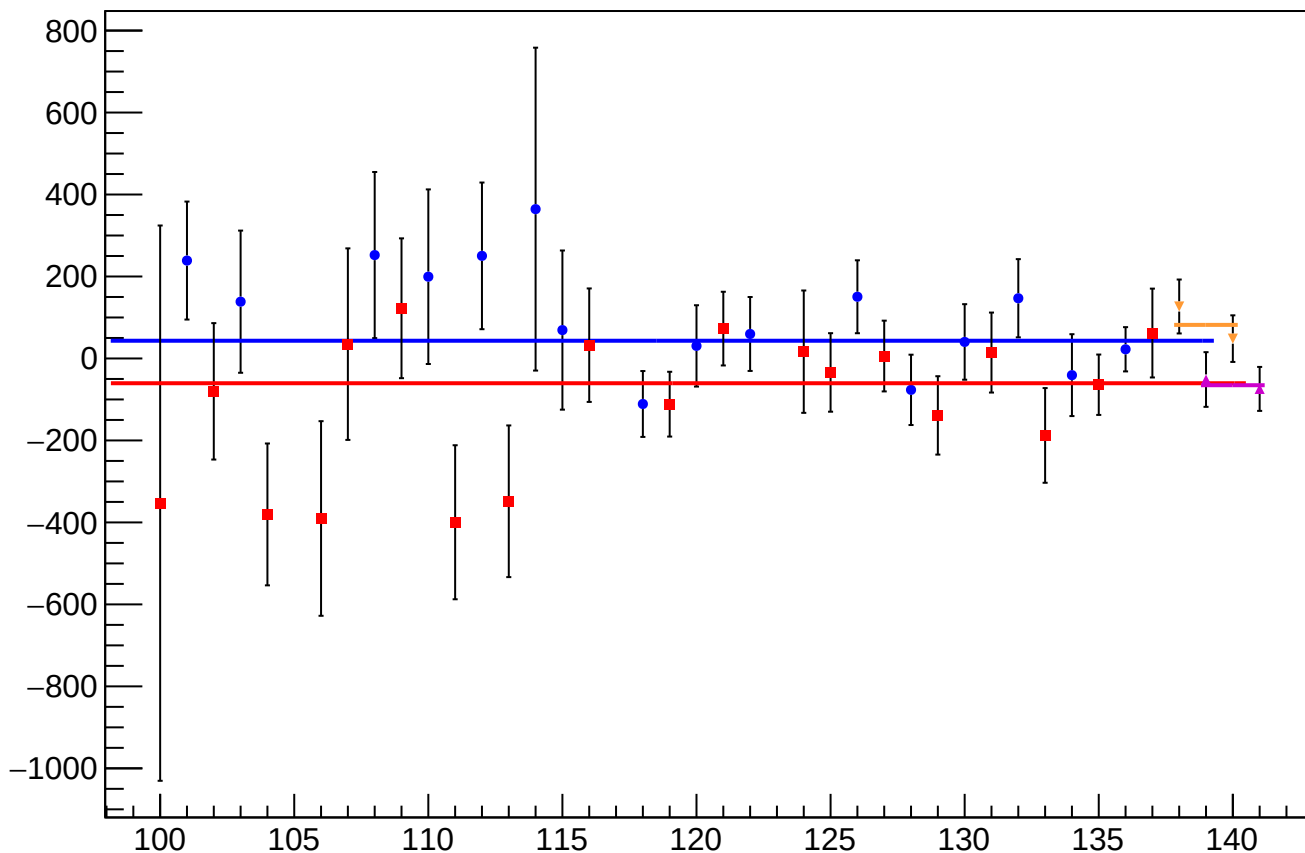
Left In: 302.662 $\pm$ 0.167 χ^2 /NDF: 133675.7/1

+ sign 443.706 $\pm$ 0.119 χ^2 /NDF: 3574369.7/17

All: 451.869 $\pm$ 0.085 χ^2 /NDF: 7788377.1/38

- sign 460.550 $\pm$ 0.123 χ^2 /NDF: 4204285.9/20

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF : 15.0/15

Left Out: 81.923+/-43.013 χ^2/NDF : 0.8/1

Right Out: -60.432+/-26.895 χ^2/NDF : 20.3/18

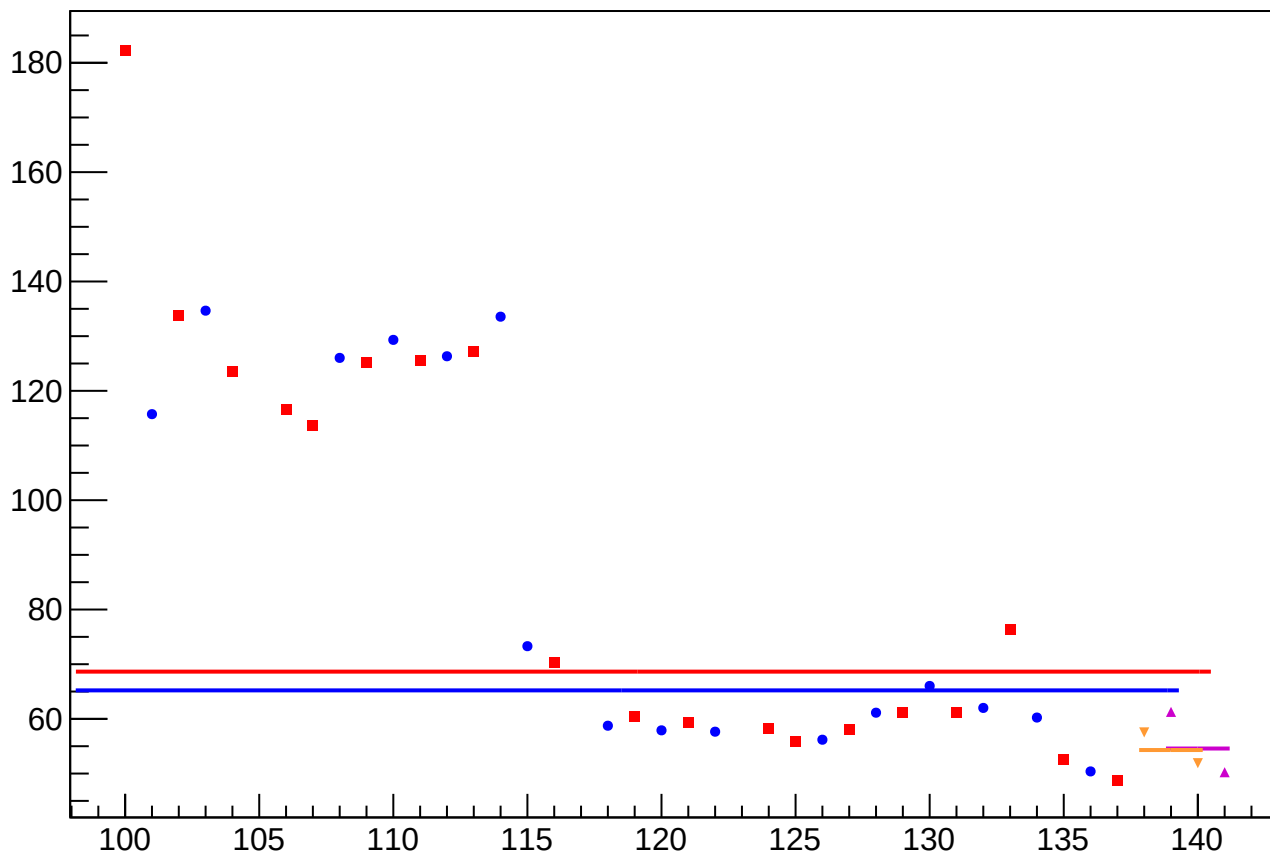
Left In: -65.256+/-41.803 χ^2/NDF : 0.1/1

+ sign 53.463+/-22.113 χ^2/NDF : 16.4/17

All: -2.888+/-15.812 χ^2/NDF : 50.0/38

- sign -61.844+/-22.618 χ^2/NDF : 20.4/20

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF : 1446506.9/15

Left Out: 54.302+/-0.030 χ^2/NDF : 8388.9/1

Right Out: 68.642+/-0.019 χ^2/NDF : 1637558.1/18

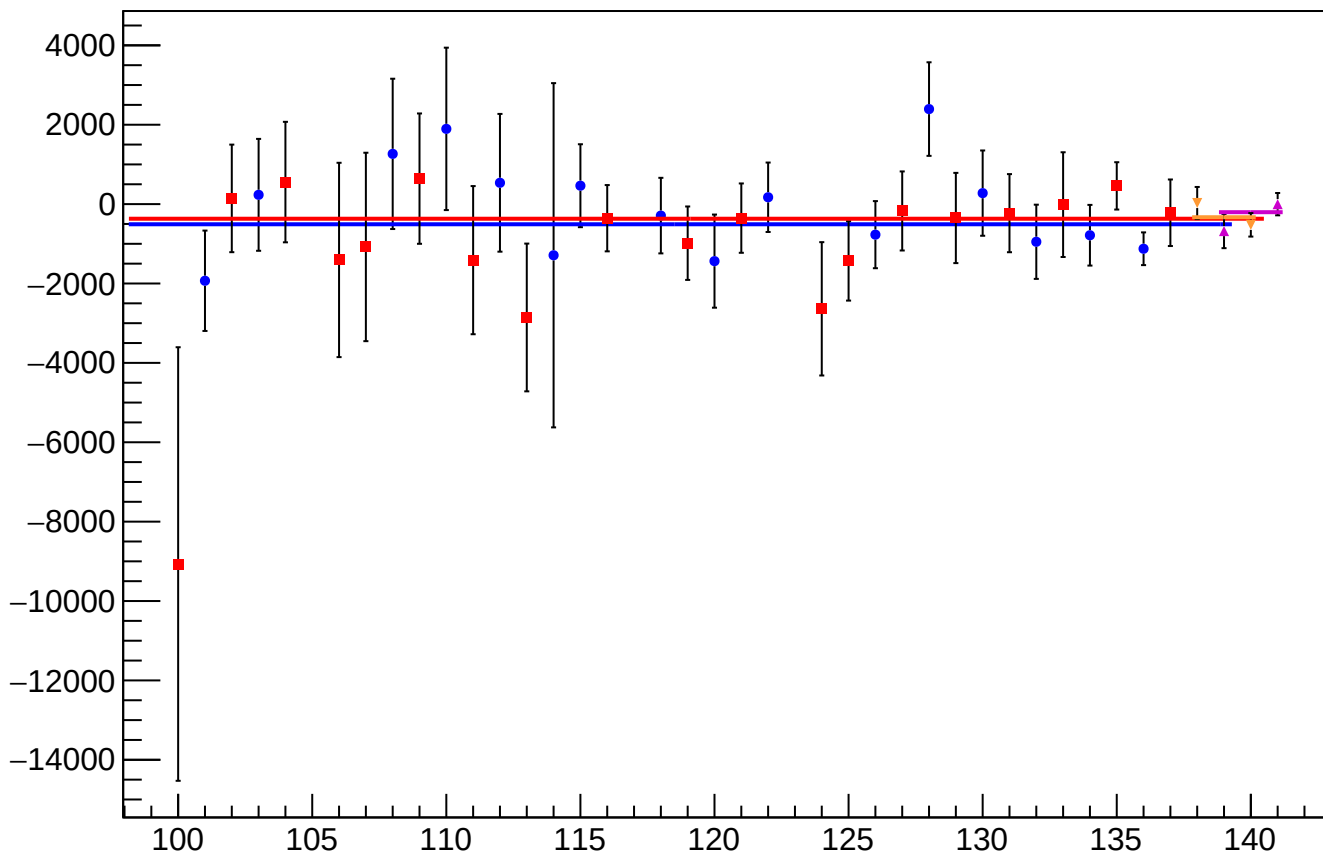
Left In: 54.578+/-0.030 χ^2/NDF : 33257.7/1

+ sign 62.329+/-0.016 χ^2/NDF : 1549568.0/17

All: 63.402+/-0.011 χ^2/NDF : 3390120.5/38

- sign 64.525+/-0.016 χ^2/NDF : 1830913.9/20

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911+/-236.945 χ^2/NDF : 15.6/15

Left Out: -330.698+/-238.806 χ^2/NDF : 1.2/1

Right Out: -368.334+/-256.534 χ^2/NDF : 11.3/18

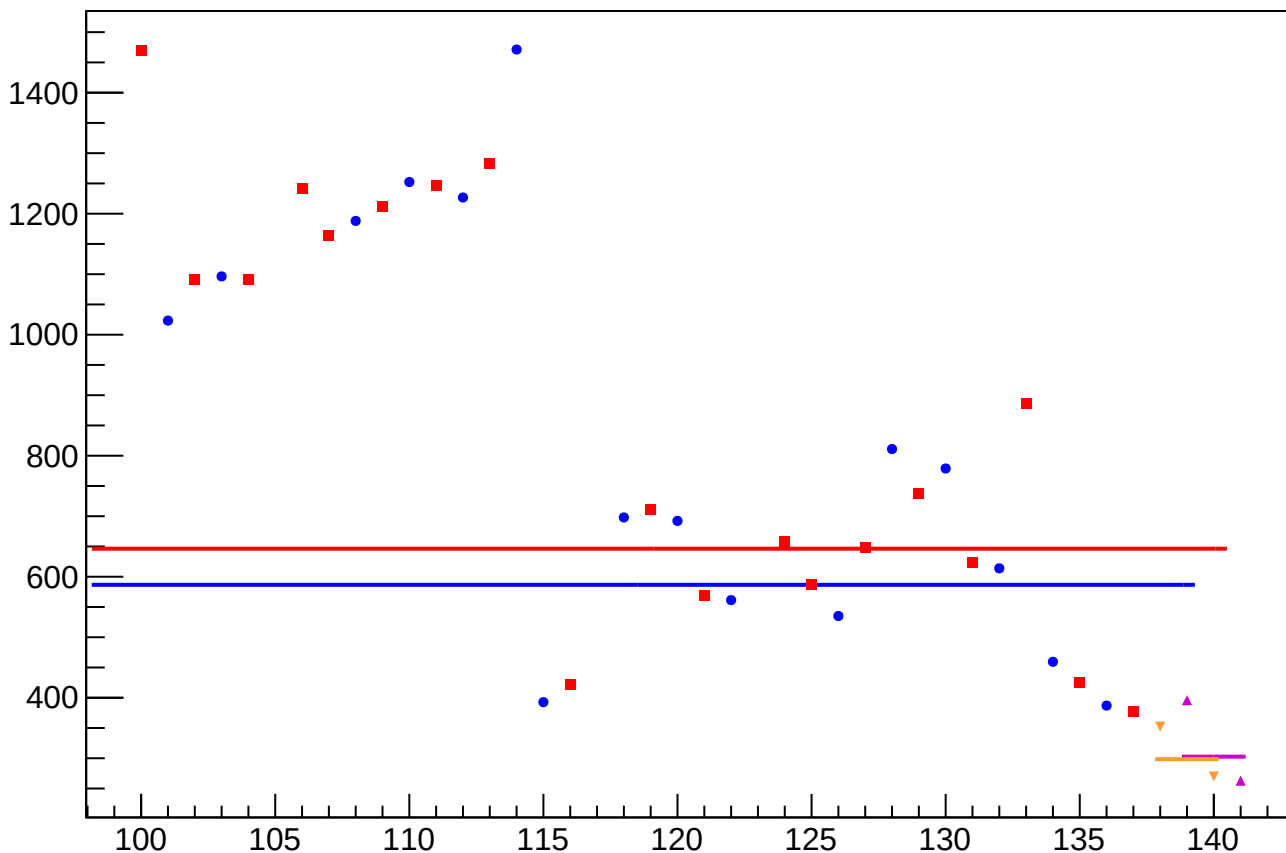
Left In: -203.489+/-235.488 χ^2/NDF : 1.7/1

+ sign -419.998+/-168.199 χ^2/NDF : 17.1/17

All: -351.616+/-120.758 χ^2/NDF : 30.7/38

- sign -278.873+/-173.479 χ^2/NDF : 13.2/20

asym_sam_1526_avg_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

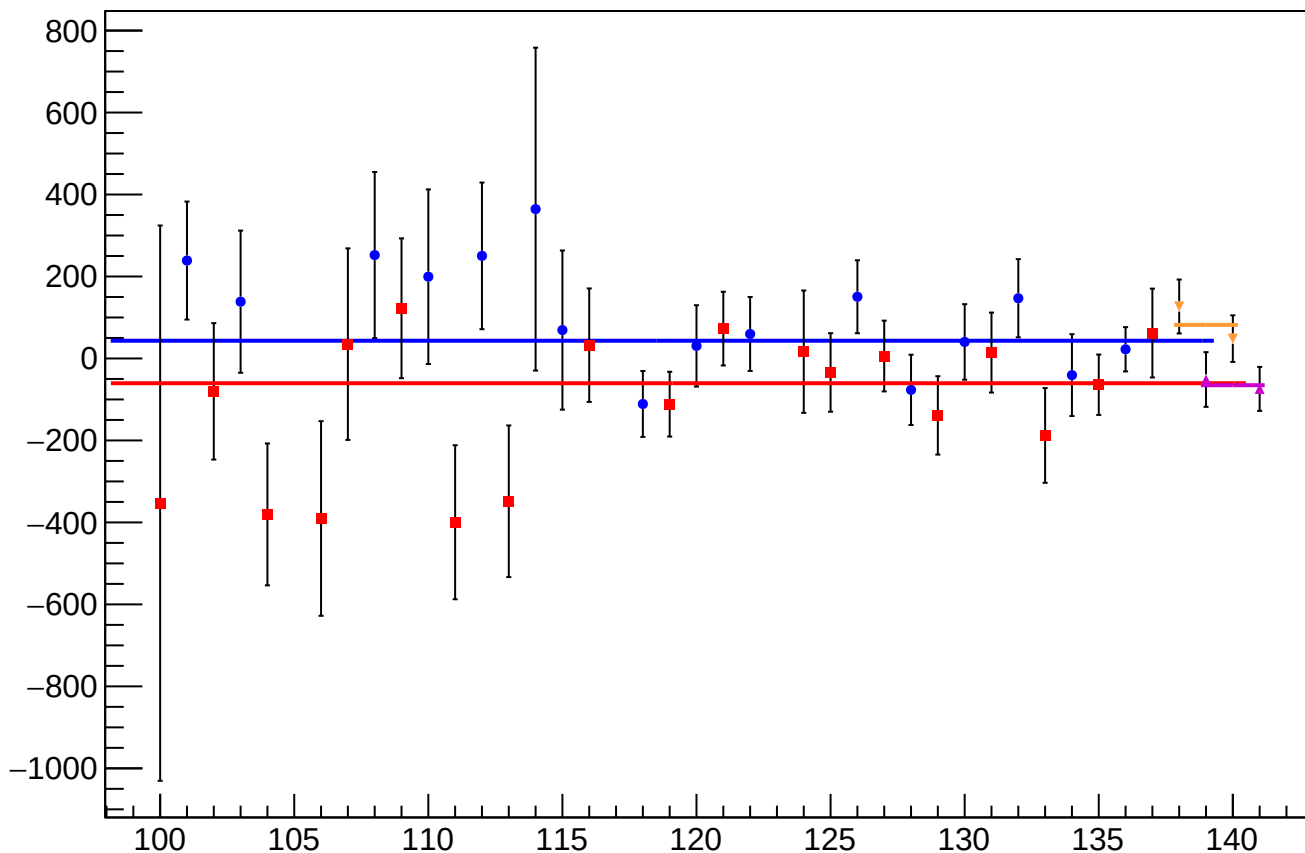
Left In: 302.662 $\pm$ 0.167 χ^2/NDF : 133674.8/1

+ sign 443.705 $\pm$ 0.119 χ^2/NDF : 3574408.0/17

All: 451.514 $\pm$ 0.085 χ^2/NDF : 7728085.0/38

- sign 459.821 $\pm$ 0.123 χ^2/NDF : 4144779.5/20

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

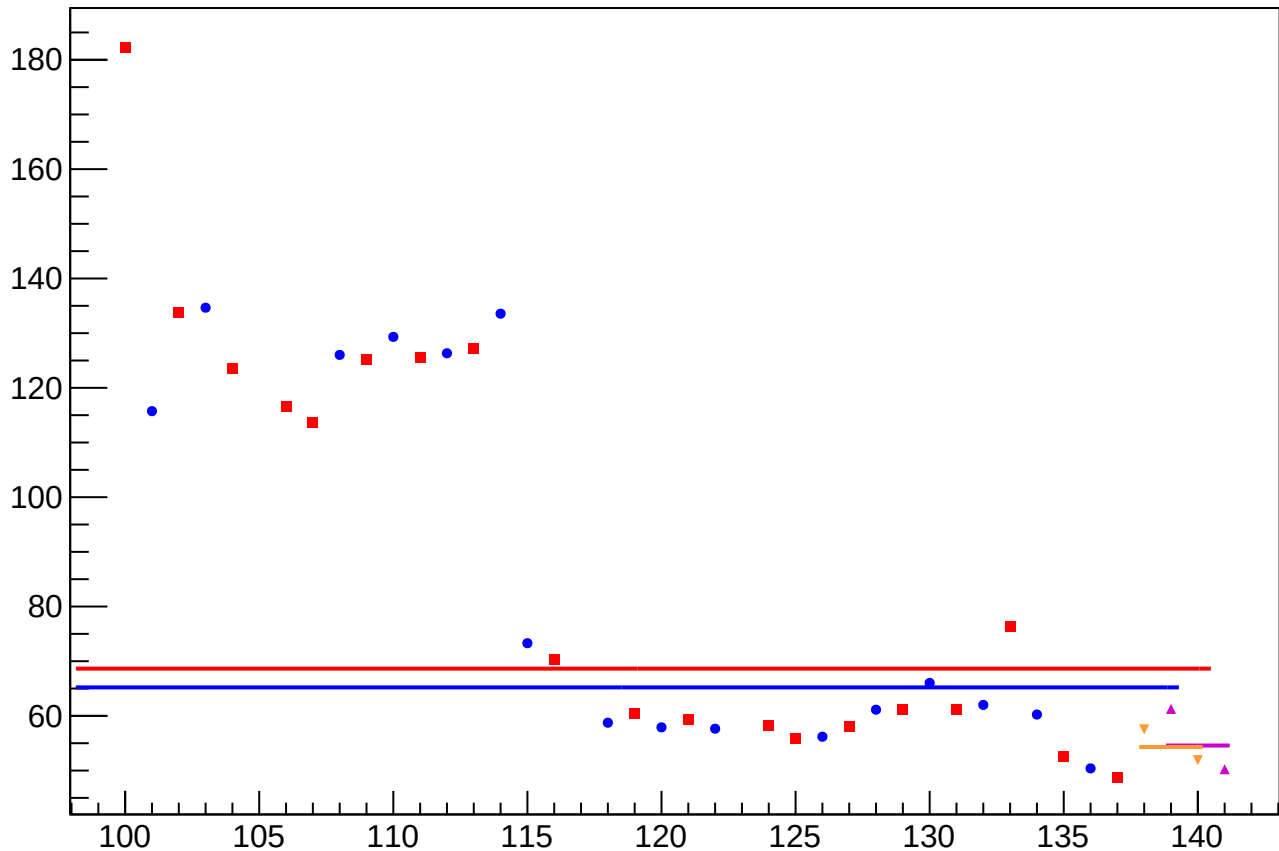
Left In: -65.256 $\pm$ 41.803 χ^2 /NDF: 0.1/1

+ sign 53.463 $\pm$ 22.113 χ^2 /NDF: 16.4/17

All: -2.888 $\pm$ 15.812 χ^2 /NDF: 50.0/38

- sign -61.844 $\pm$ 22.618 χ^2 /NDF: 20.4/20

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

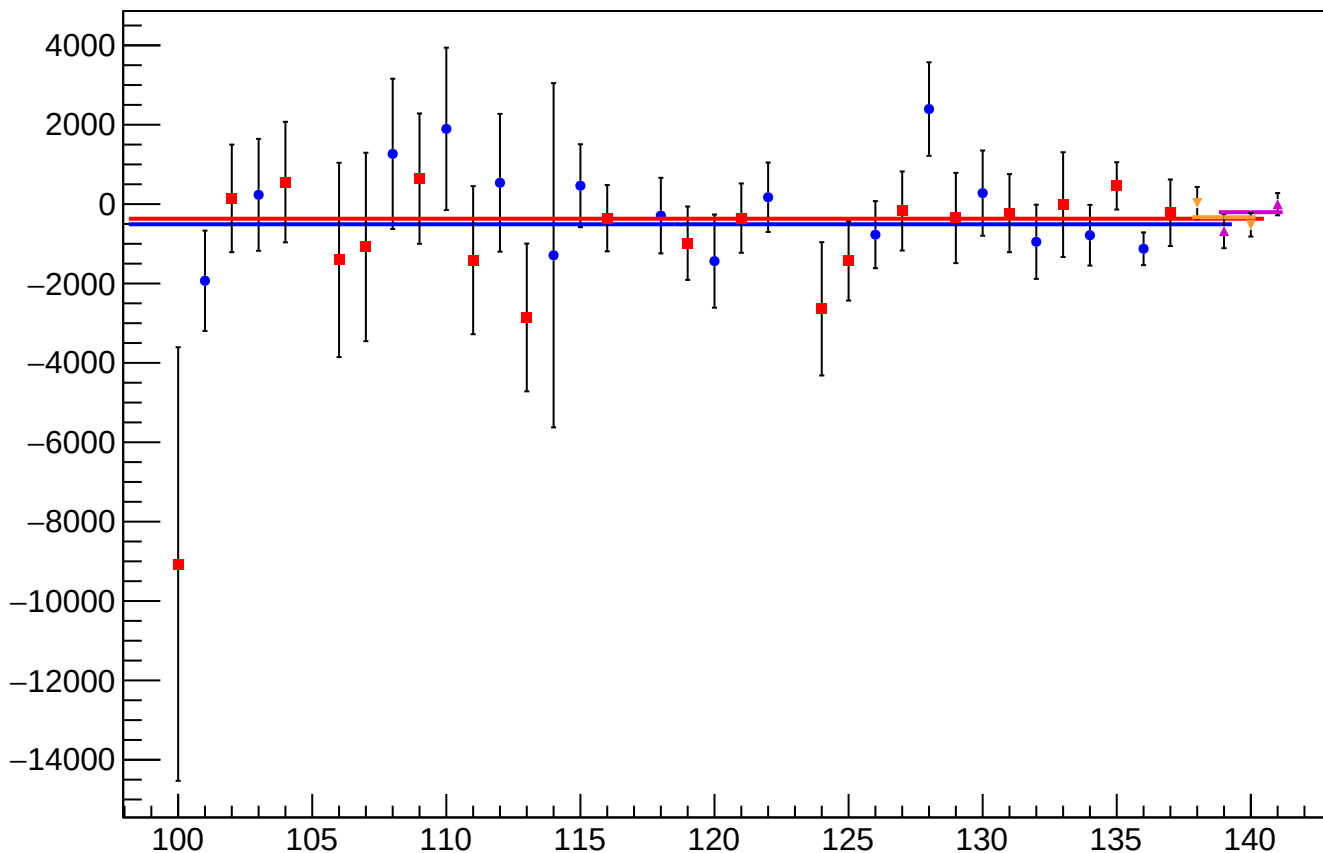
Left In: 54.578 $\pm$ 0.030 χ^2/NDF : 33257.7/1

+ sign 62.329 $\pm$ 0.016 χ^2/NDF : 1549568.0/17

All: 63.402 $\pm$ 0.011 χ^2/NDF : 3390120.5/38

- sign 64.525 $\pm$ 0.016 χ^2/NDF : 1830913.9/20

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

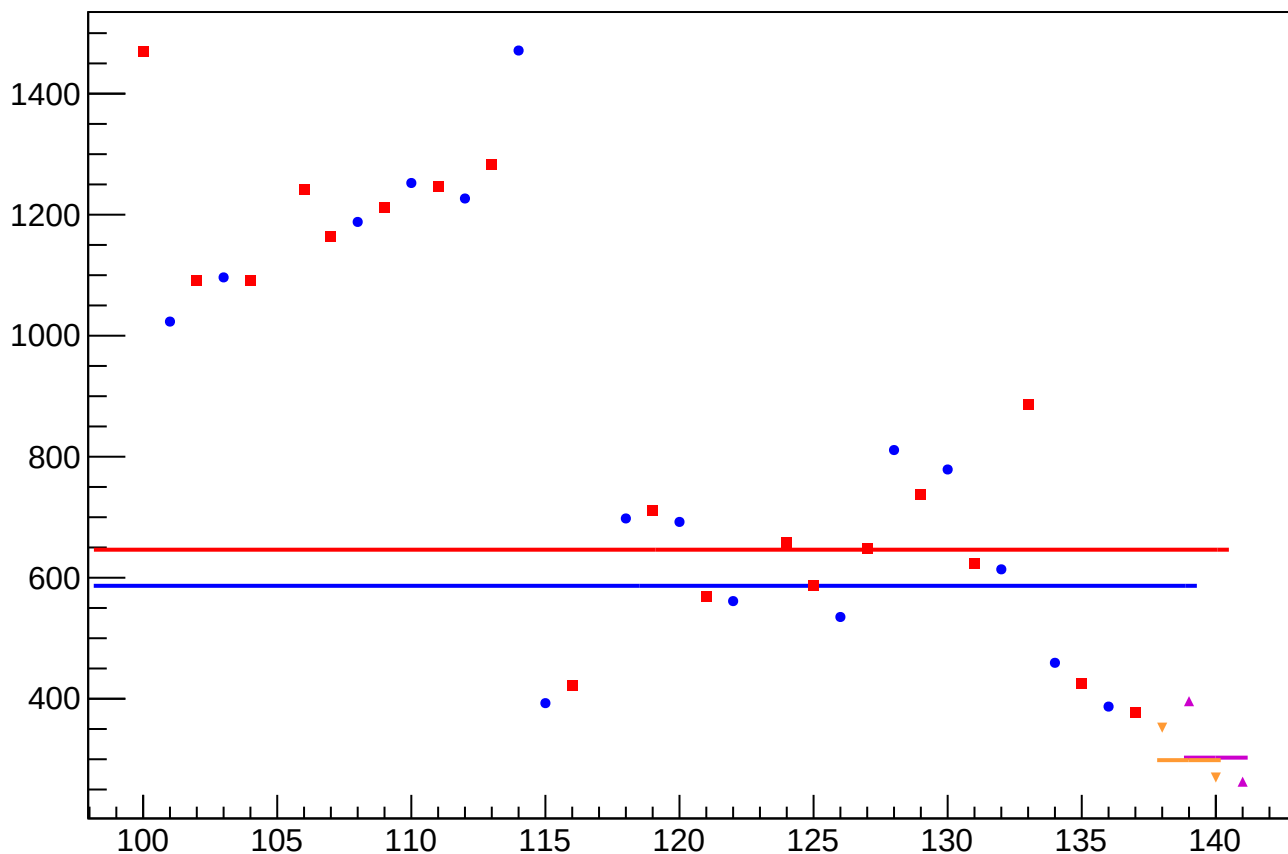
Left In: -203.489 $\pm$ 235.488 χ^2 /NDF: 1.7/1

+ sign -419.998 $\pm$ 168.199 χ^2 /NDF: 17.1/17

All: -351.616 $\pm$ 120.758 χ^2 /NDF: 30.7/38

- sign -278.873 $\pm$ 173.479 χ^2 /NDF: 13.2/20

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

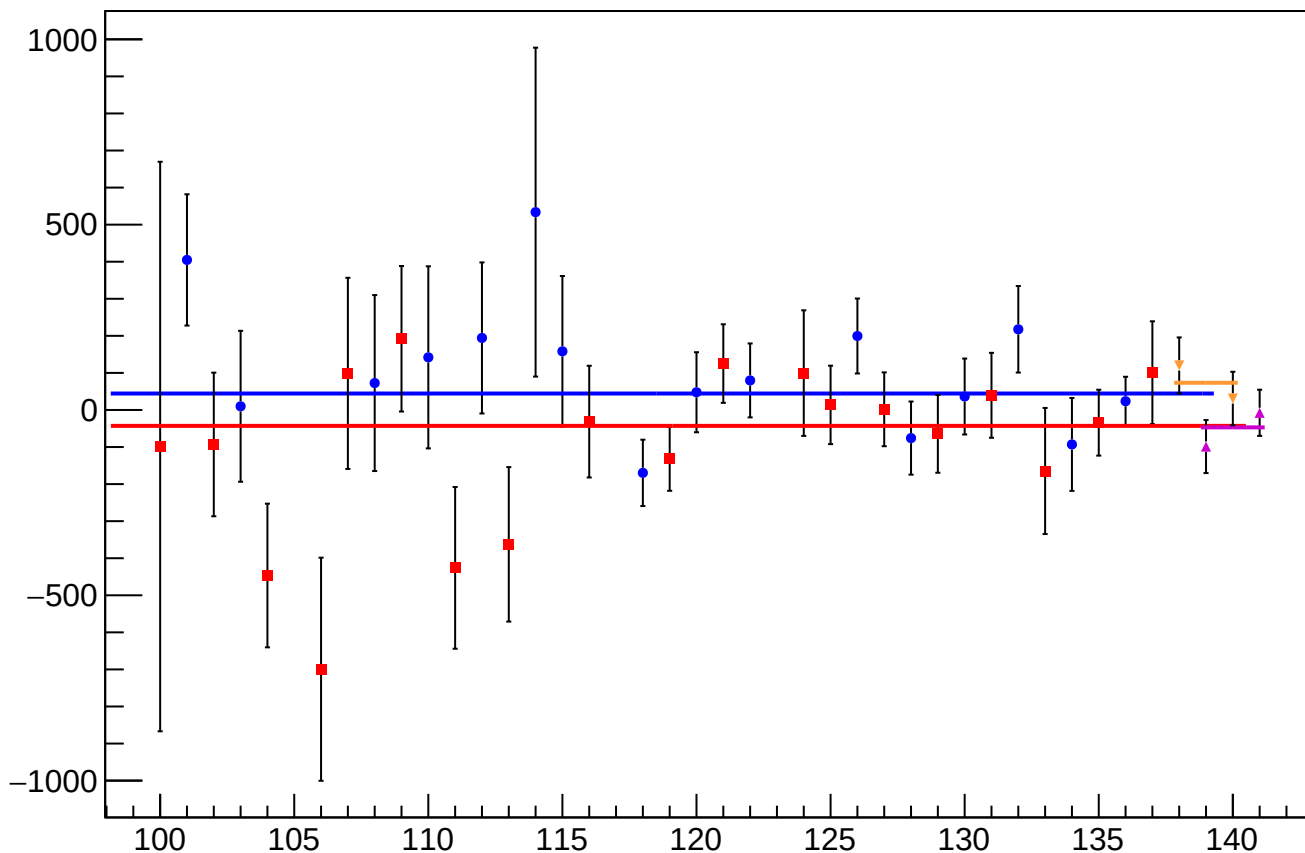
Left In: 302.662 $\pm$ 0.167 χ^2 /NDF: 133674.8/1

+ sign 443.705 $\pm$ 0.119 χ^2 /NDF: 3574408.0/17

All: 451.514 $\pm$ 0.085 χ^2 /NDF: 7728085.0/38

- sign 459.821 $\pm$ 0.123 χ^2 /NDF: 4144779.5/20

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

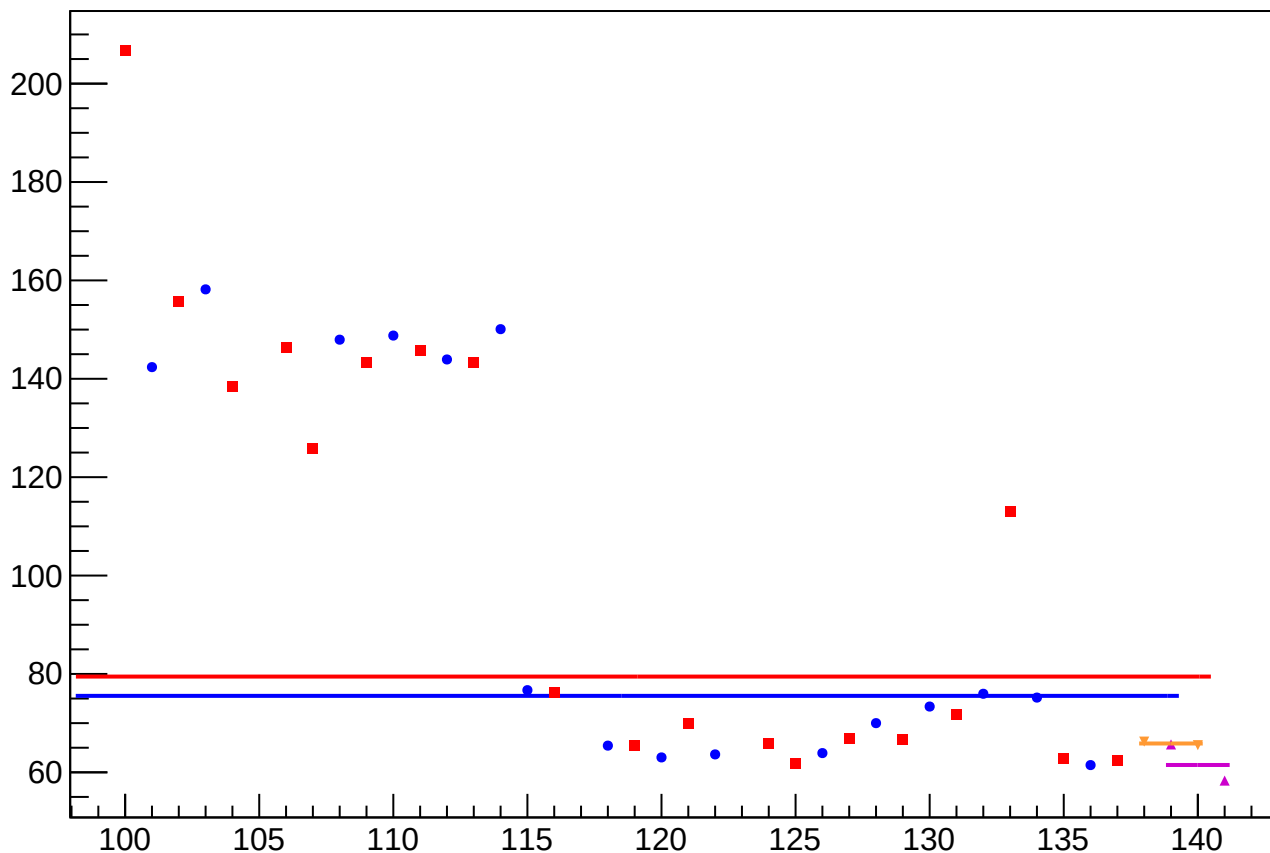
Left In: -46.943 $\pm$ 46.978 χ^2 /NDF: 0.9/1

+ sign 51.567 $\pm$ 25.951 χ^2 /NDF: 20.6/17

All: 3.838 $\pm$ 18.374 χ^2 /NDF: 51.6/38

- sign -44.141 $\pm$ 26.018 χ^2 /NDF: 24.2/20

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544 $\pm$ 0.021 χ^2 /NDF: 1465550.9/15

Left Out: 65.862 $\pm$ 0.037 χ^2 /NDF:96.1/1

Right Out: 79.465 $\pm$ 0.022 χ^2 /NDF: 1683634.3/18

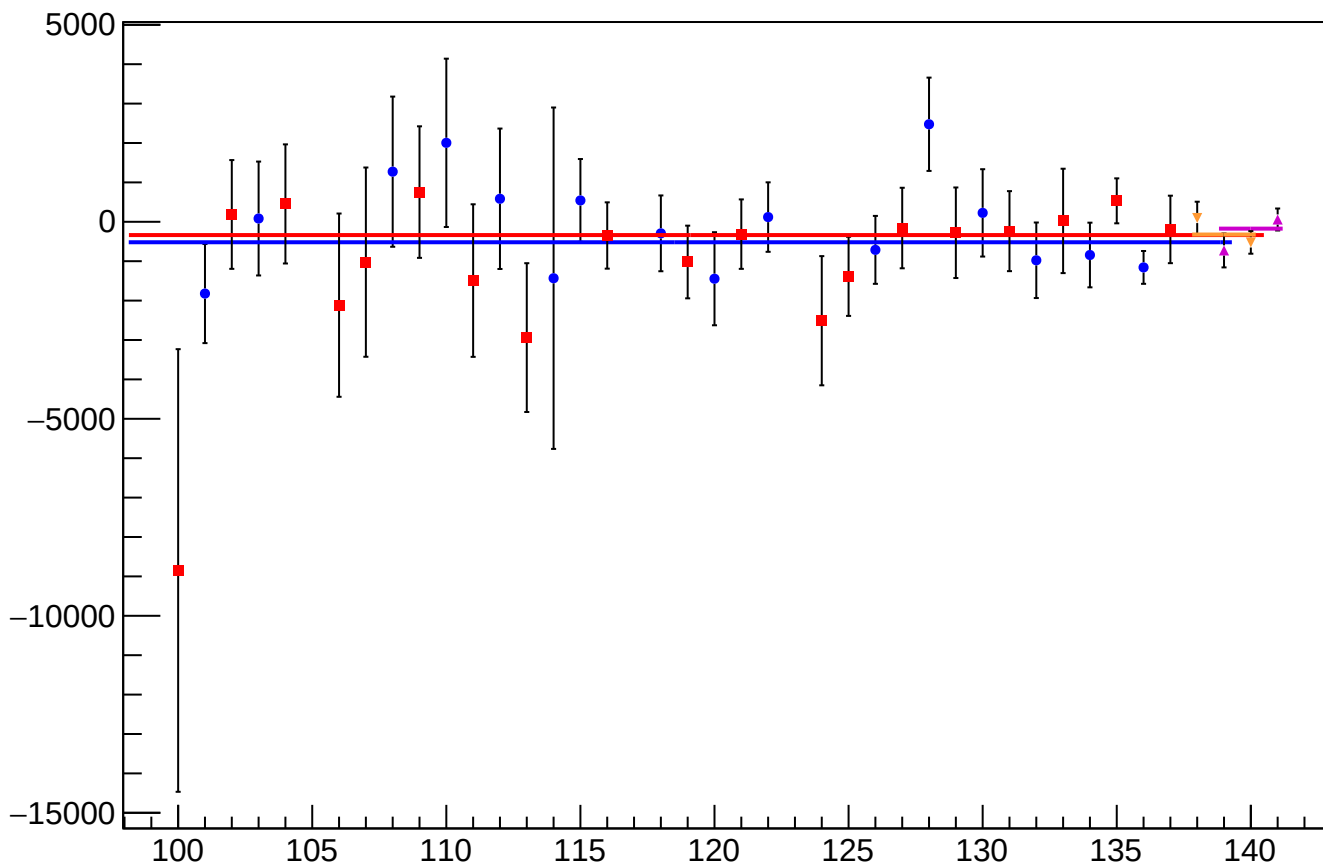
Left In: 61.493 $\pm$ 0.033 χ^2 /NDF:12009.7/1

+ sign 73.151 $\pm$ 0.018 χ^2 /NDF: 1517449.1/17

All: 73.551 $\pm$ 0.013 χ^2 /NDF: 3416969.3/38

- sign 73.953 $\pm$ 0.018 χ^2 /NDF: 1898568.8/20

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250 $\pm$ 241.317 χ^2 /NDF: 15.8/15

Left Out: -323.129 $\pm$ 235.409 χ^2 /NDF:1.5/1

Right Out: -336.731 $\pm$ 256.618 χ^2 /NDF: 11.9/18

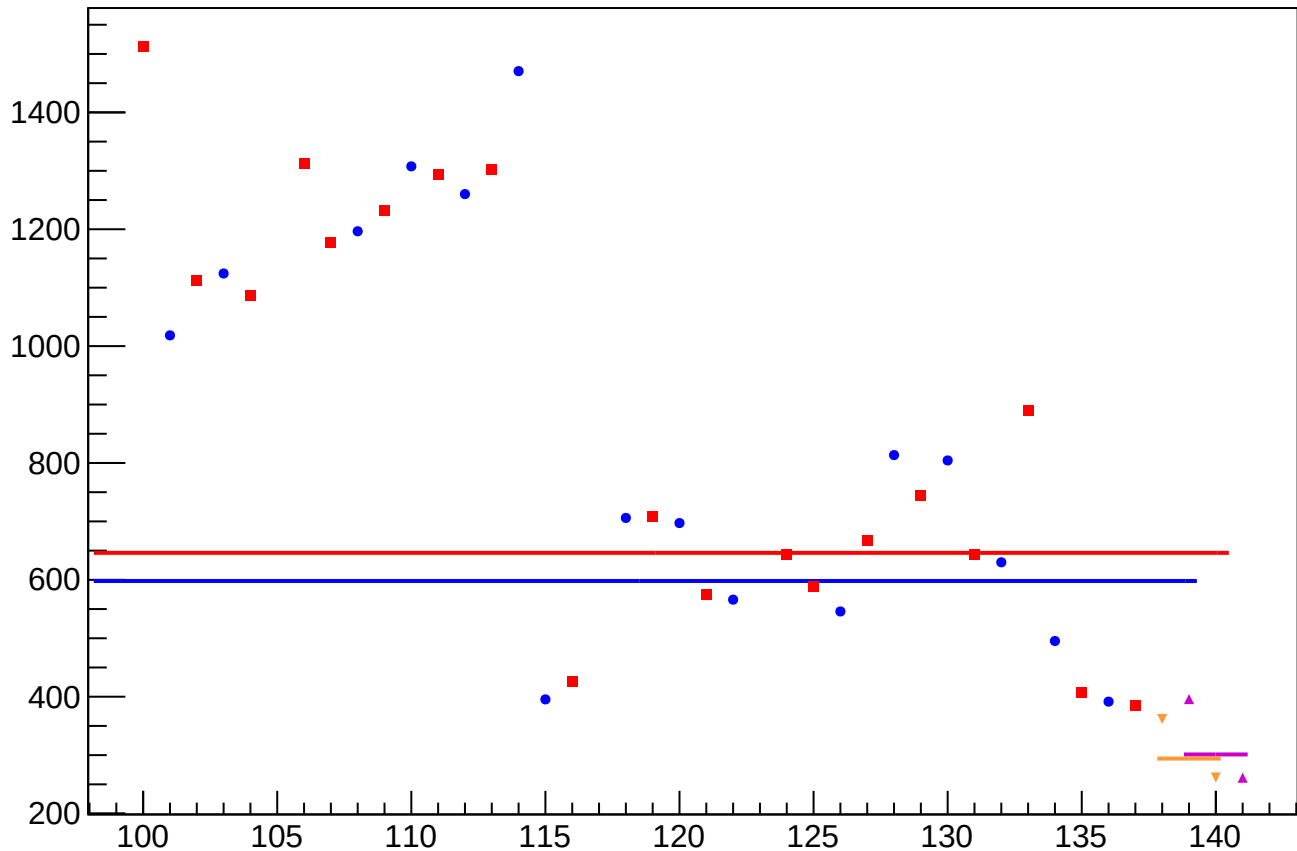
Left In: -173.451 $\pm$ 234.242 χ^2 /NDF:2.3/1

+ sign -418.759 $\pm$ 168.509 χ^2 /NDF: 17.7/17

All: -335.463 $\pm$ 120.712 χ^2 /NDF: 32.6/38

- sign -247.663 $\pm$ 173.005 χ^2 /NDF: 14.5/20

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

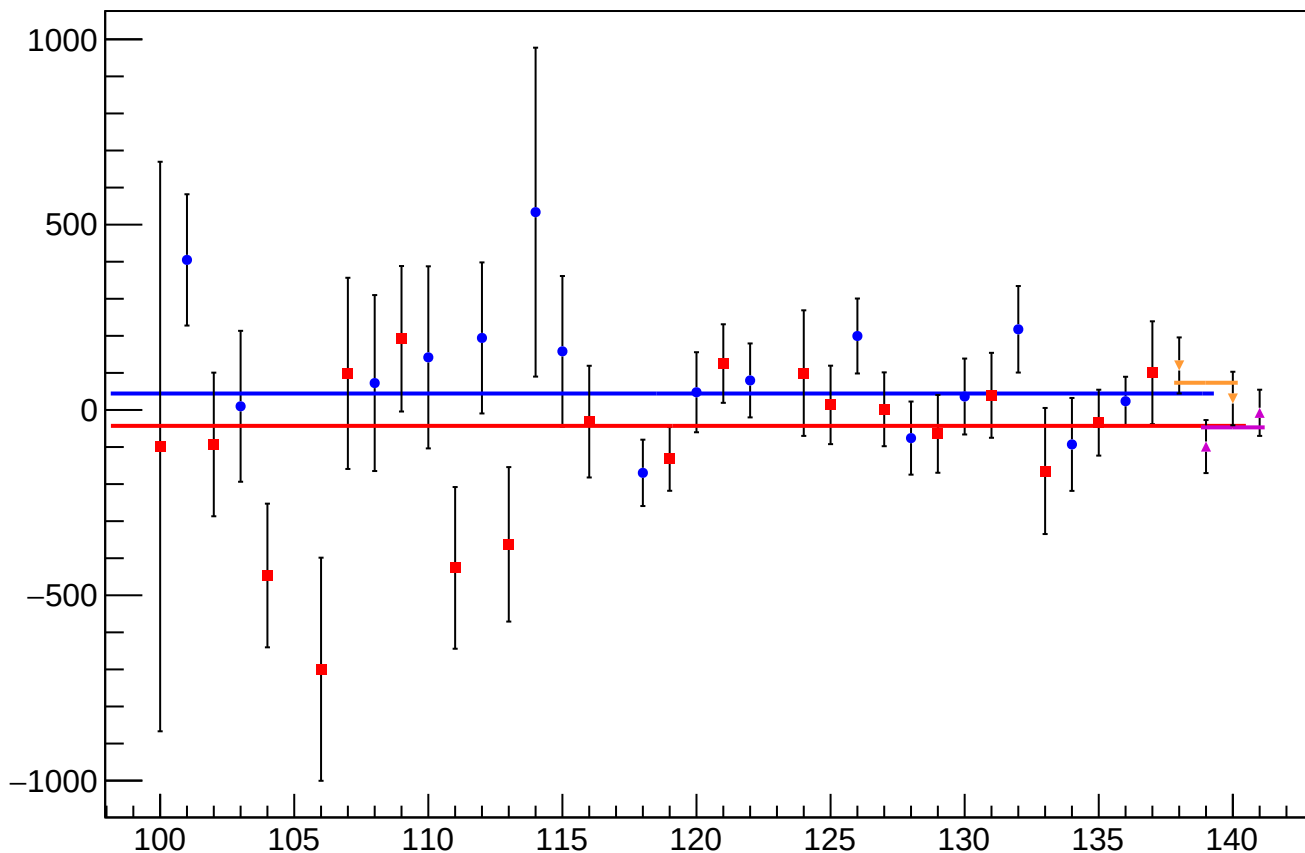
Left In: 301.148 $\pm$ 0.166 χ^2 /NDF: 137337.1/1

+ sign 442.293 $\pm$ 0.119 χ^2 /NDF: 3752955.8/17

All: 449.927 $\pm$ 0.085 χ^2 /NDF: 8076534.9/38

- sign 457.973 $\pm$ 0.122 χ^2 /NDF: 4315149.5/20

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

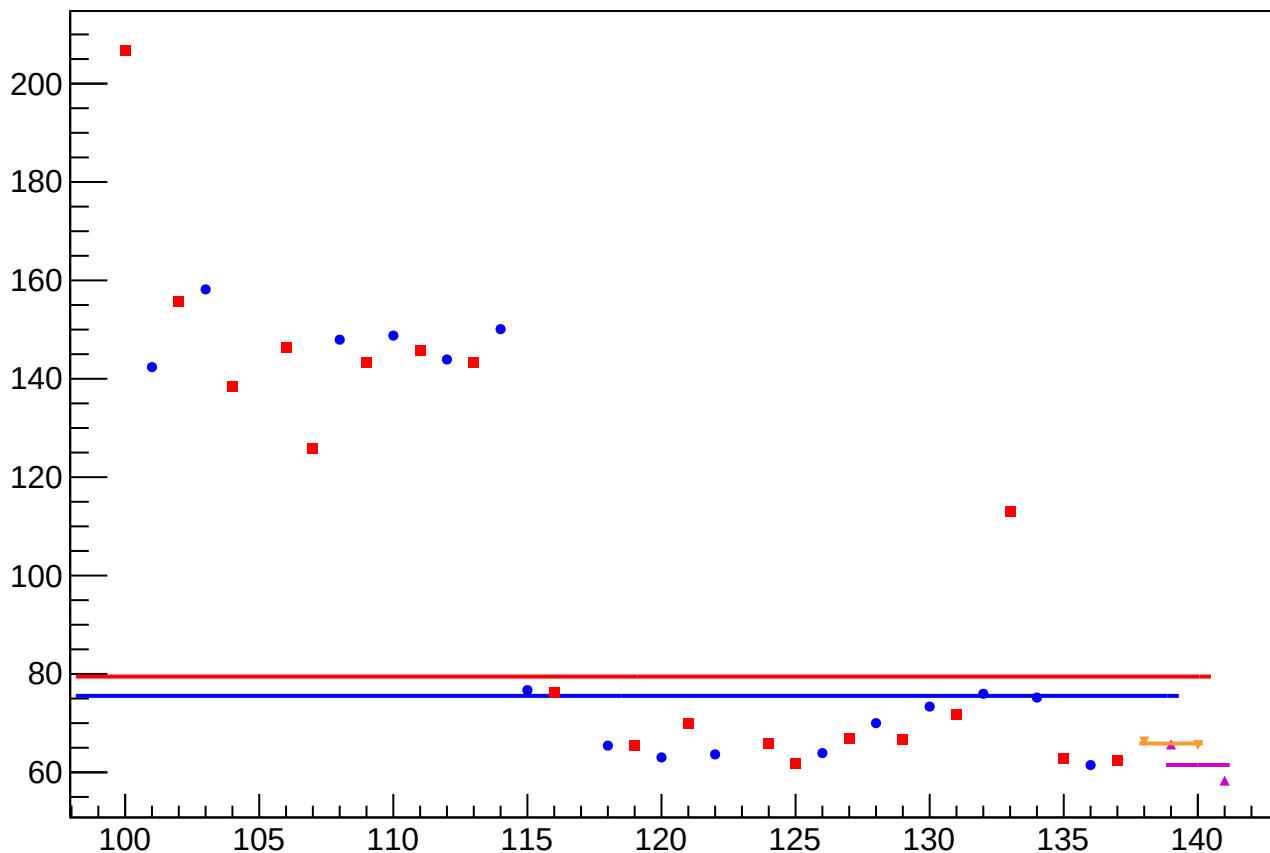
Left In: -46.943 $\pm$ 46.978 χ^2 /NDF: 0.9/1

+ sign 51.568 $\pm$ 25.950 χ^2 /NDF: 20.6/17

All: 3.838 $\pm$ 18.374 χ^2 /NDF: 51.6/38

- sign -44.140 $\pm$ 26.018 χ^2 /NDF: 24.2/20

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544 $\pm$ 0.021 χ^2 /NDF: 1465535.8/15

Left Out: 65.862 $\pm$ 0.037 χ^2 /NDF:96.0/1

Right Out: 79.465 $\pm$ 0.022 χ^2 /NDF: 1683627.3/18

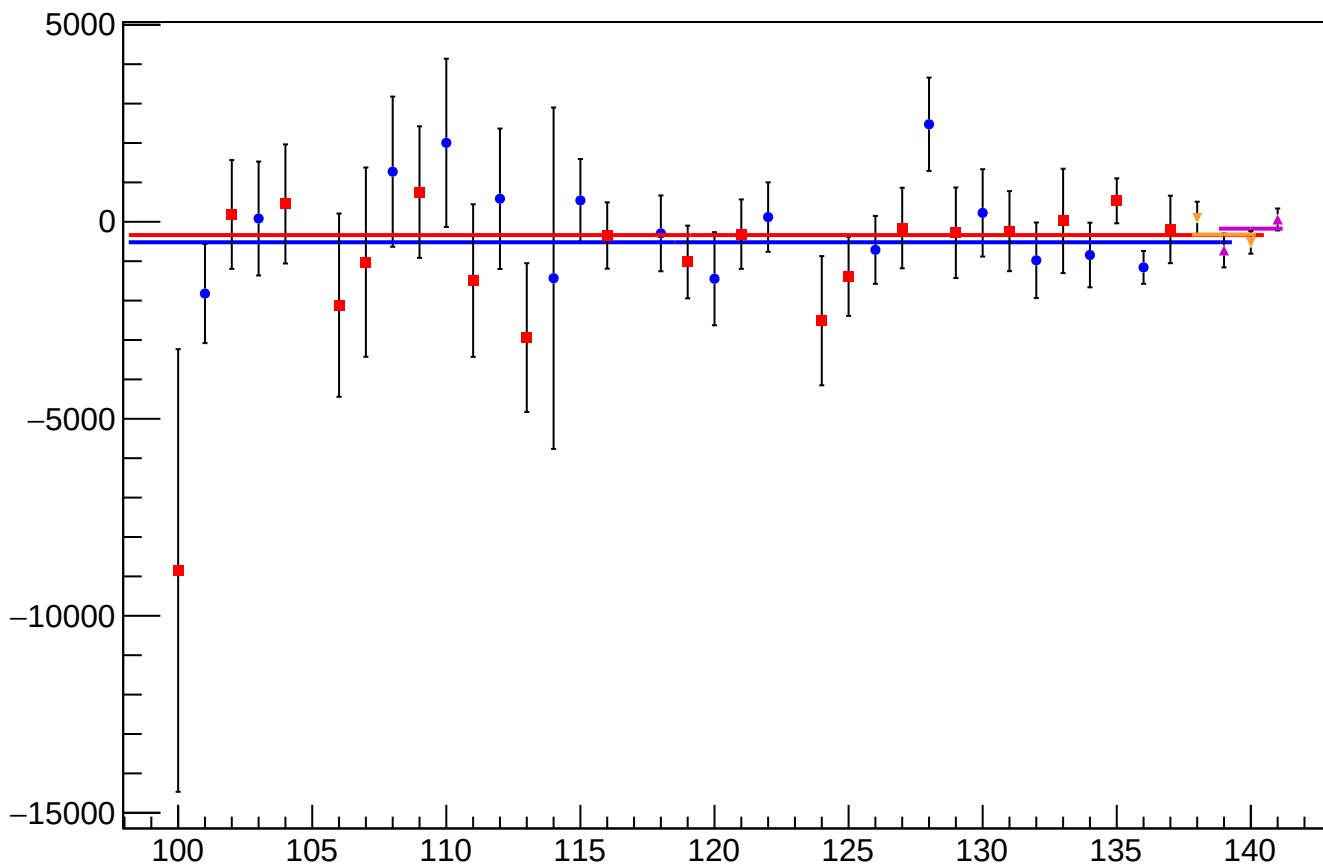
Left In: 61.494 $\pm$ 0.033 χ^2 /NDF:12009.8/1

+ sign 73.151 $\pm$ 0.018 χ^2 /NDF: 1517431.0/17

All: 73.551 $\pm$ 0.013 χ^2 /NDF: 3416934.3/38

- sign 73.953 $\pm$ 0.018 χ^2 /NDF: 1898551.6/20

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

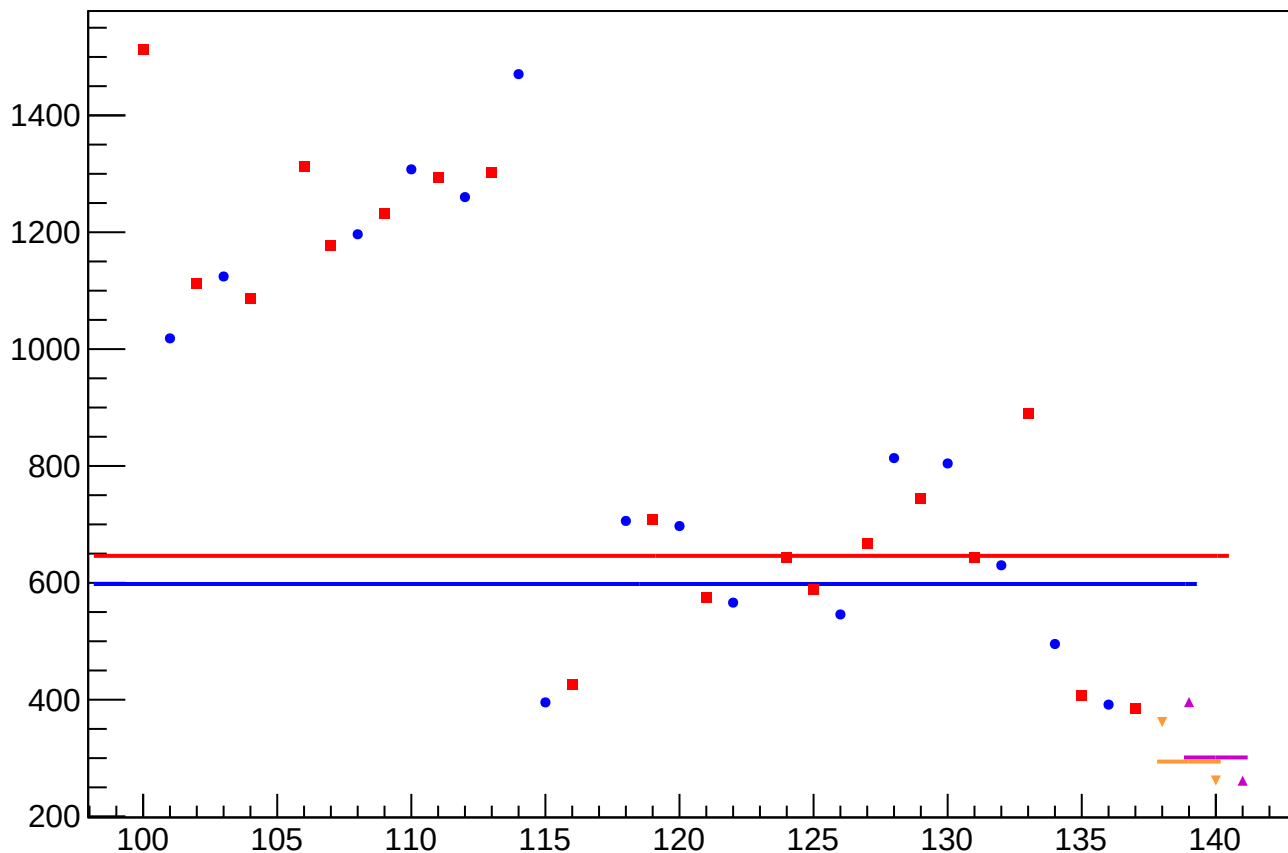
Left In: -173.453 $\pm$ 234.241 χ^2 /NDF: 2.3/1

+ sign -418.758 $\pm$ 168.509 χ^2 /NDF: 17.7/17

All: -335.463 $\pm$ 120.712 χ^2 /NDF: 32.6/38

- sign -247.664 $\pm$ 173.004 χ^2 /NDF: 14.5/20

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

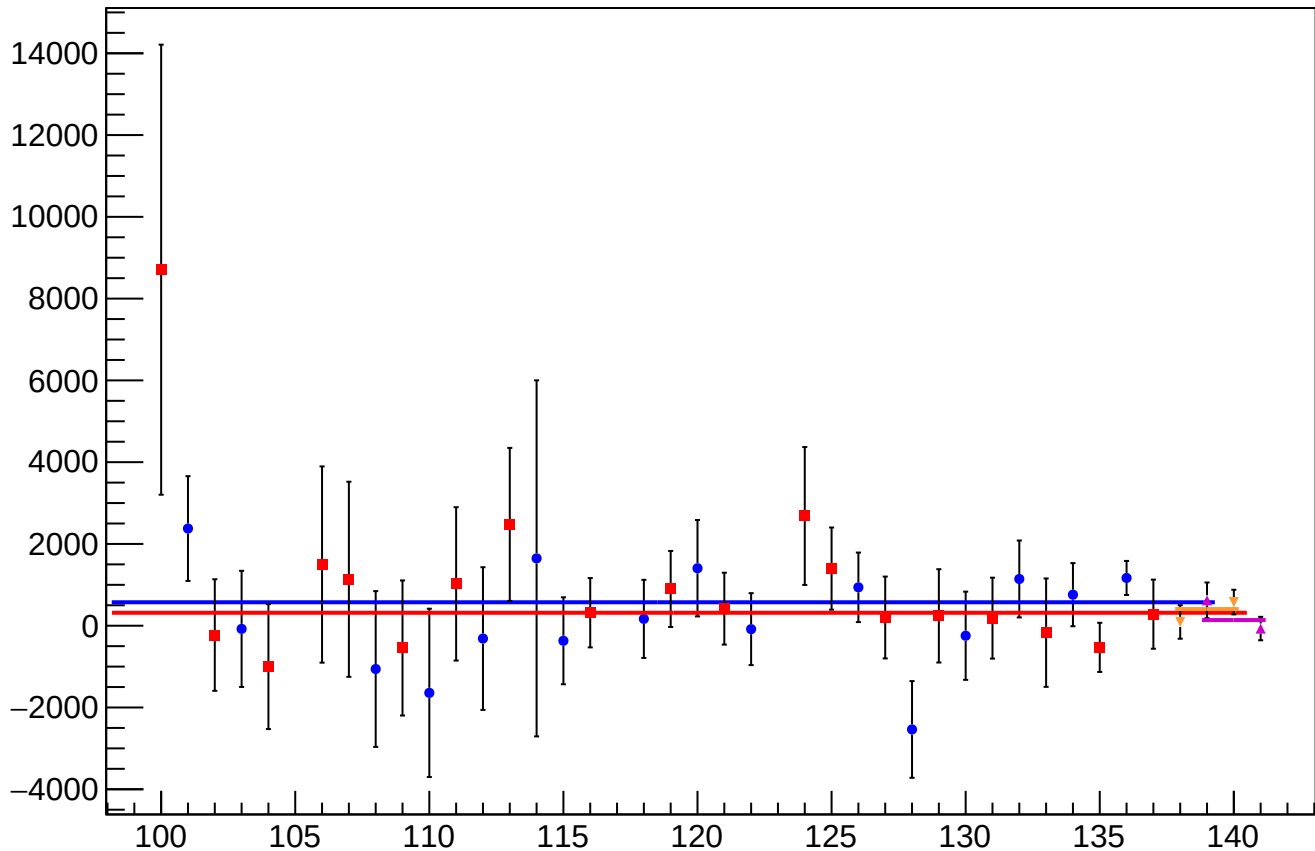
Left In: 301.147 $\pm$ 0.166 χ^2 /NDF: 137334.0/1

+ sign 442.293 $\pm$ 0.119 χ^2 /NDF: 3752941.7/17

All: 449.926 $\pm$ 0.085 χ^2 /NDF: 8076509.0/38

- sign 457.972 $\pm$ 0.122 χ^2 /NDF: 4315137.6/20

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF : 16.6/15

Left Out: 407.464+/-242.810 χ^2/NDF : 0.9/1

Right Out: 316.830+/-258.239 χ^2/NDF : 11.0/18

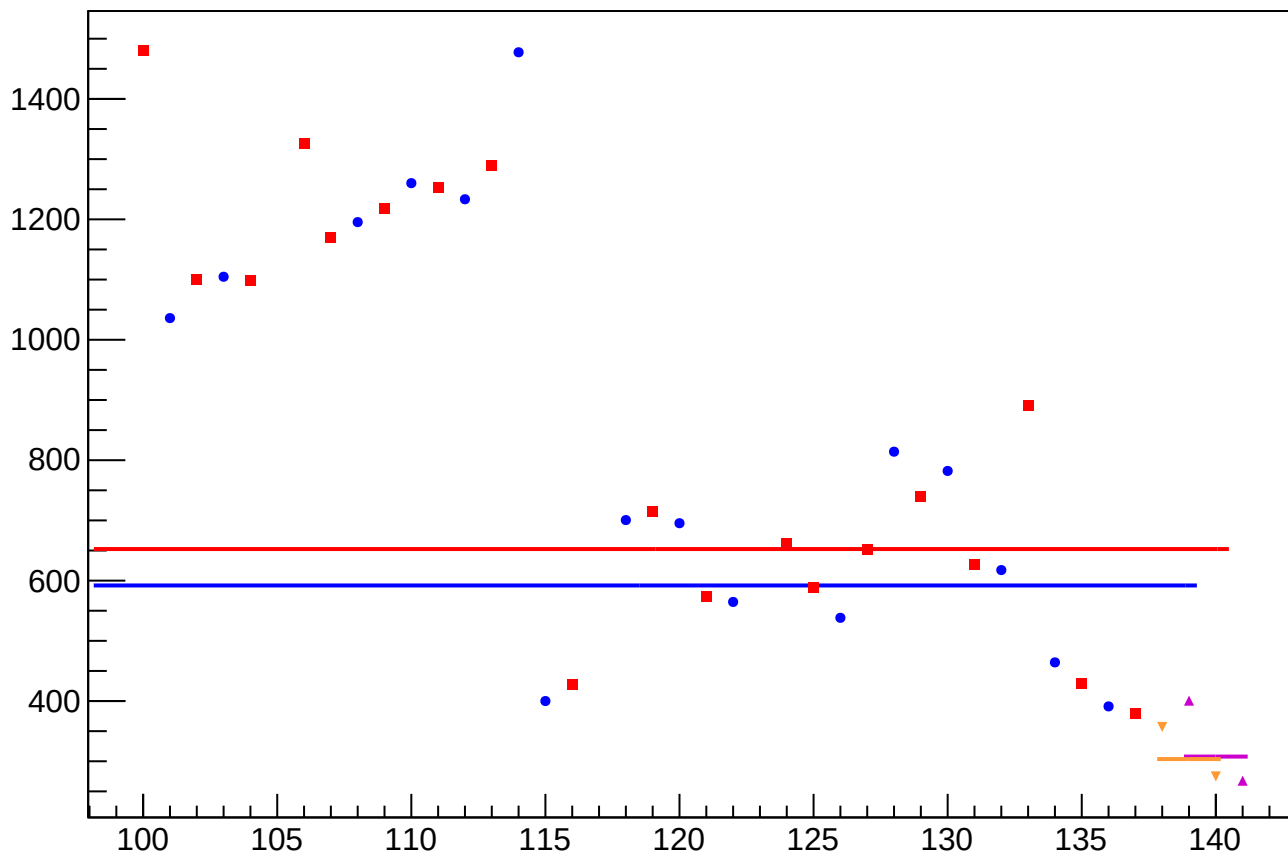
Left In: 138.389+/-239.340 χ^2/NDF : 1.8/1

+ sign 491.758+/-170.301 χ^2/NDF : 17.7/17

All: 360.403+/-122.231 χ^2/NDF : 32.0/38

- sign 220.842+/-175.540 χ^2/NDF : 13.0/20

asym_sam_1526_avg_rms vs Slug



Right In: 591.974 $\pm$ 0.169 χ^2 /NDF: 2035700.6/15

Left Out: 303.650 $\pm$ 0.172 χ^2 /NDF: 52074.6/1

Right Out: 652.459 $\pm$ 0.183 χ^2 /NDF: 2089983.3/18

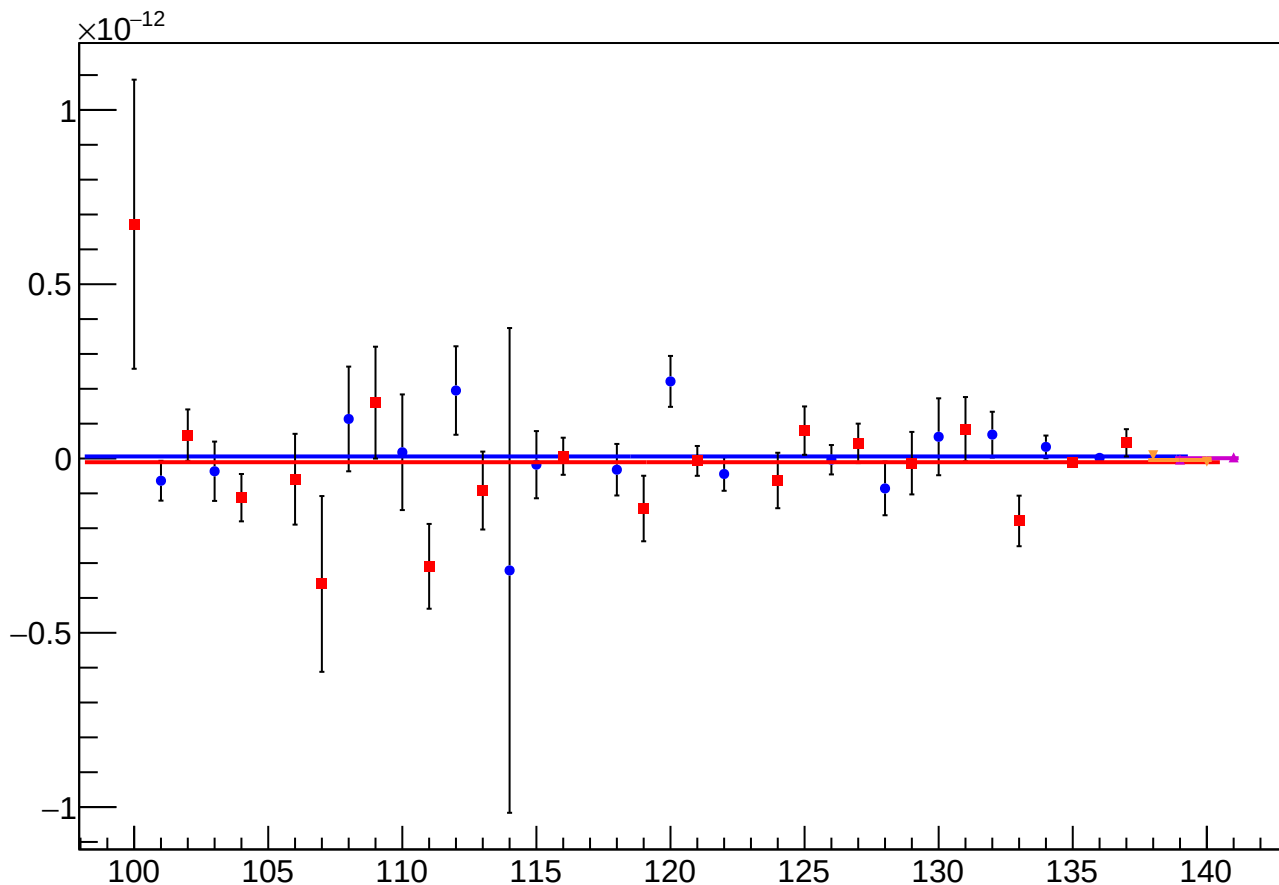
Left In: 307.808 $\pm$ 0.169 χ^2 /NDF: 129881.2/1

+ sign 450.140 $\pm$ 0.120 χ^2 /NDF: 3520567.6/17

All: 458.345 $\pm$ 0.086 χ^2 /NDF: 7666332.4/38

- sign 467.062 $\pm$ 0.124 χ^2 /NDF: 4136189.7/20

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

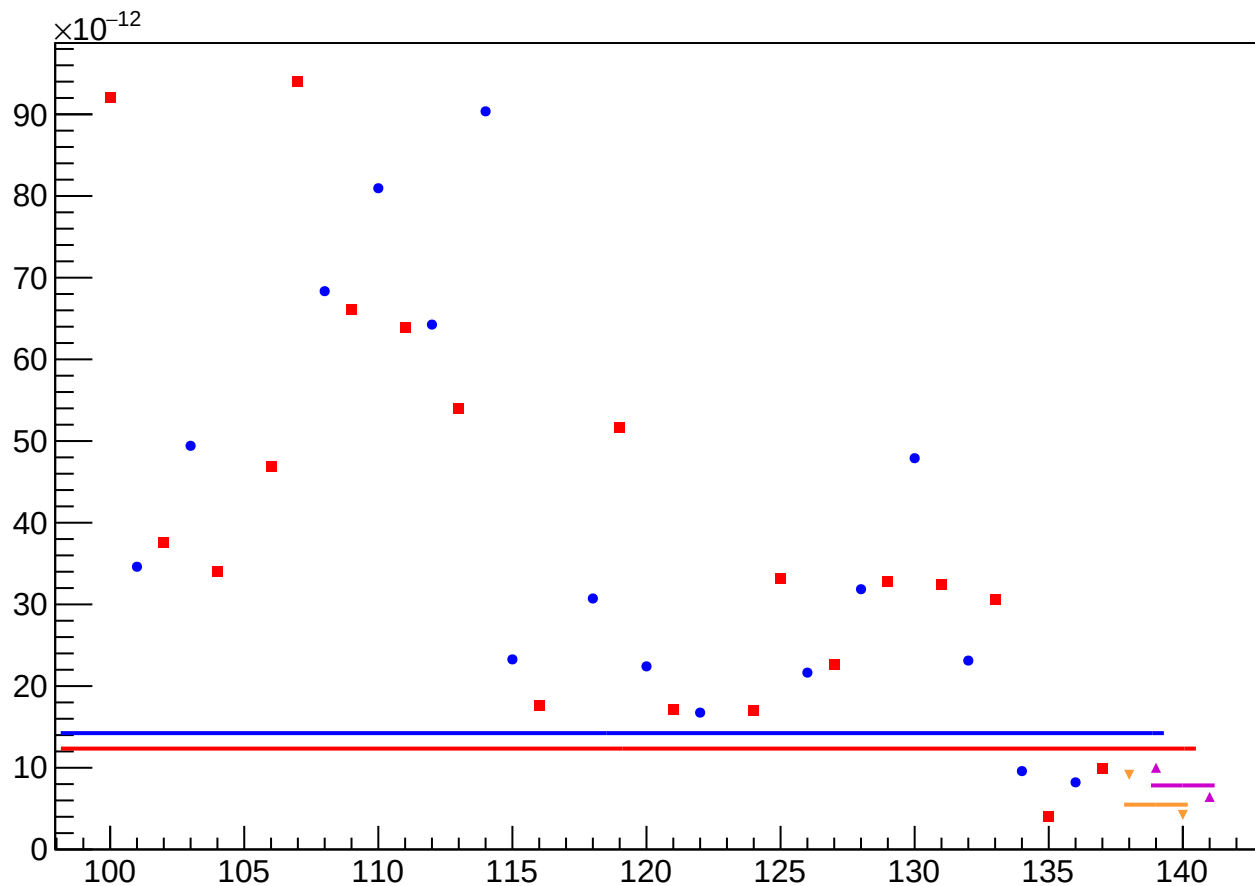
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.2/17

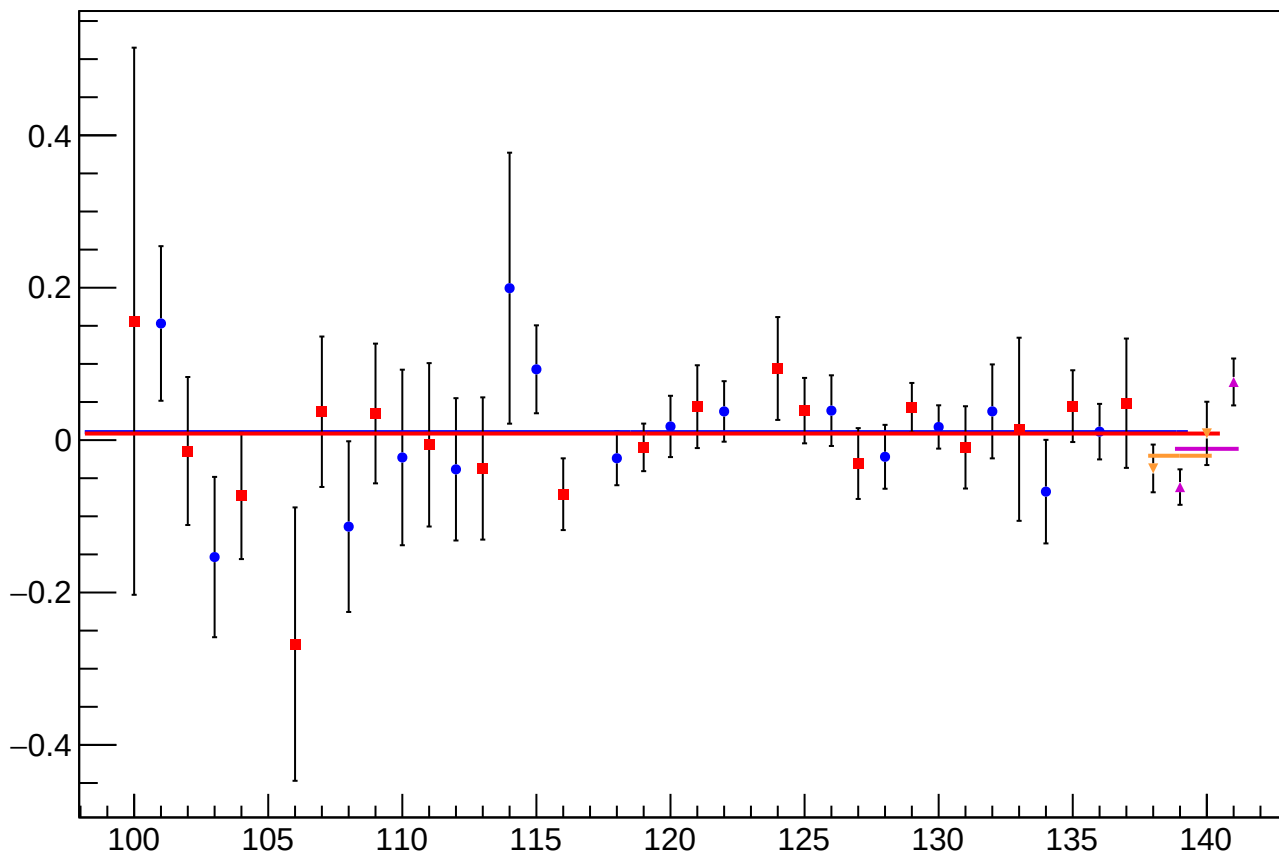
All: -0.000 ± 0.000 χ^2/NDF : 50.5/38

- sign -0.000 ± 0.000 χ^2/NDF : 30.3/20

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



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

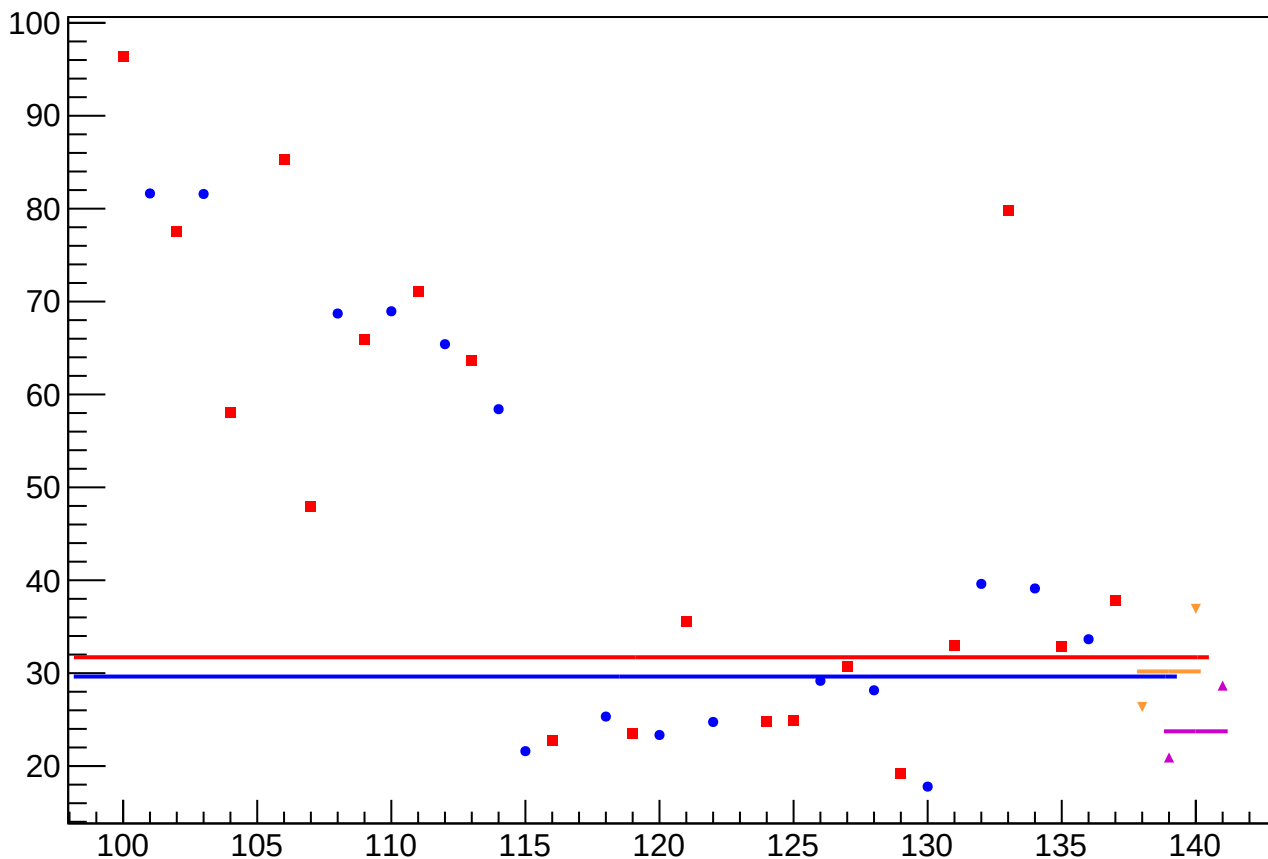
Left In: -0.011 $\pm$ 0.019 χ^2 /NDF:12.8/1

+ sign 0.004 $\pm$ 0.011 χ^2 /NDF: 15.1/17

All: 0.003 $\pm$ 0.008 χ^2 /NDF: 41.2/38

- sign 0.002 $\pm$ 0.011 χ^2 /NDF: 26.0/20

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

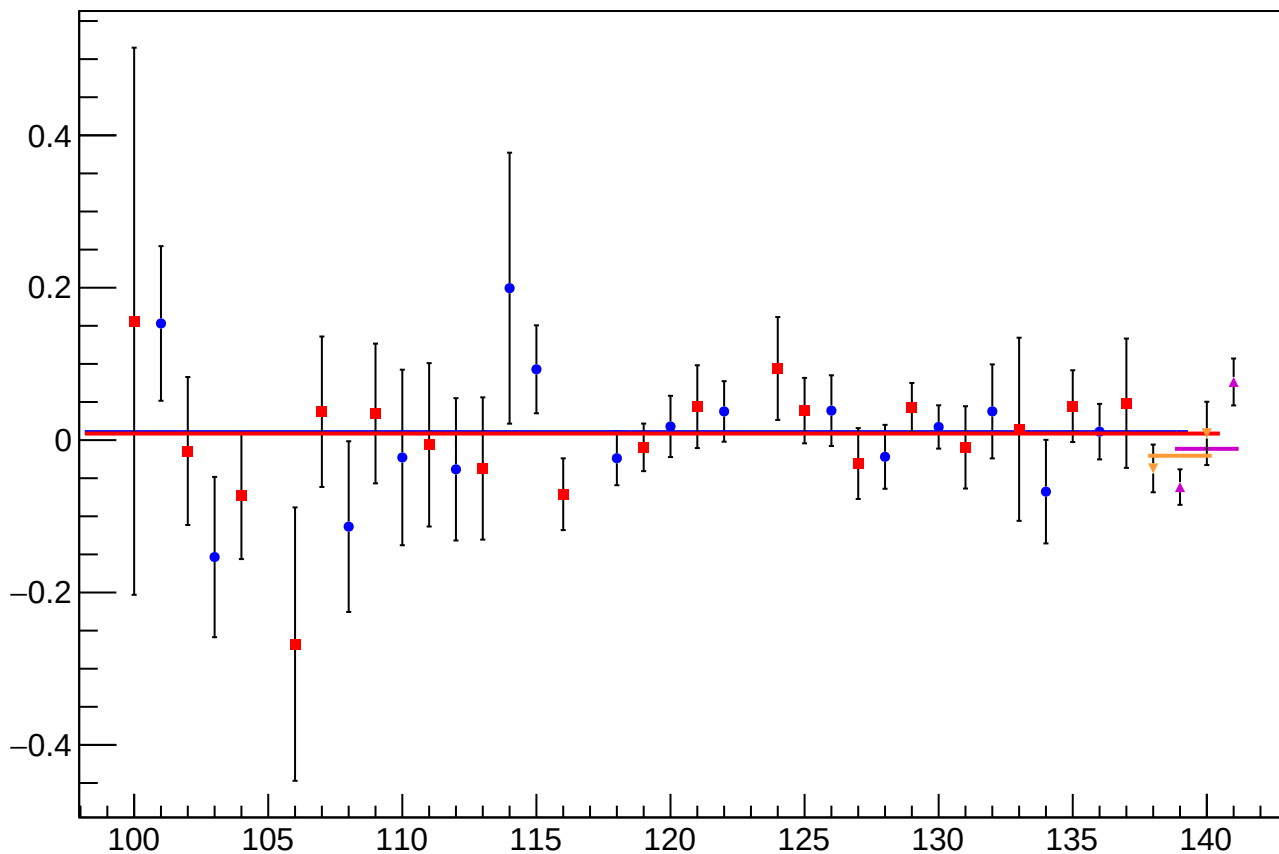
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF: 80363.9/1

+ sign 29.745 $\pm$ 0.008 χ^2 /NDF: 2531687.0/17

All: 29.370 $\pm$ 0.005 χ^2 /NDF: 5512249.4/38

- sign 29.025 $\pm$ 0.008 χ^2 /NDF: 2976270.9/20

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

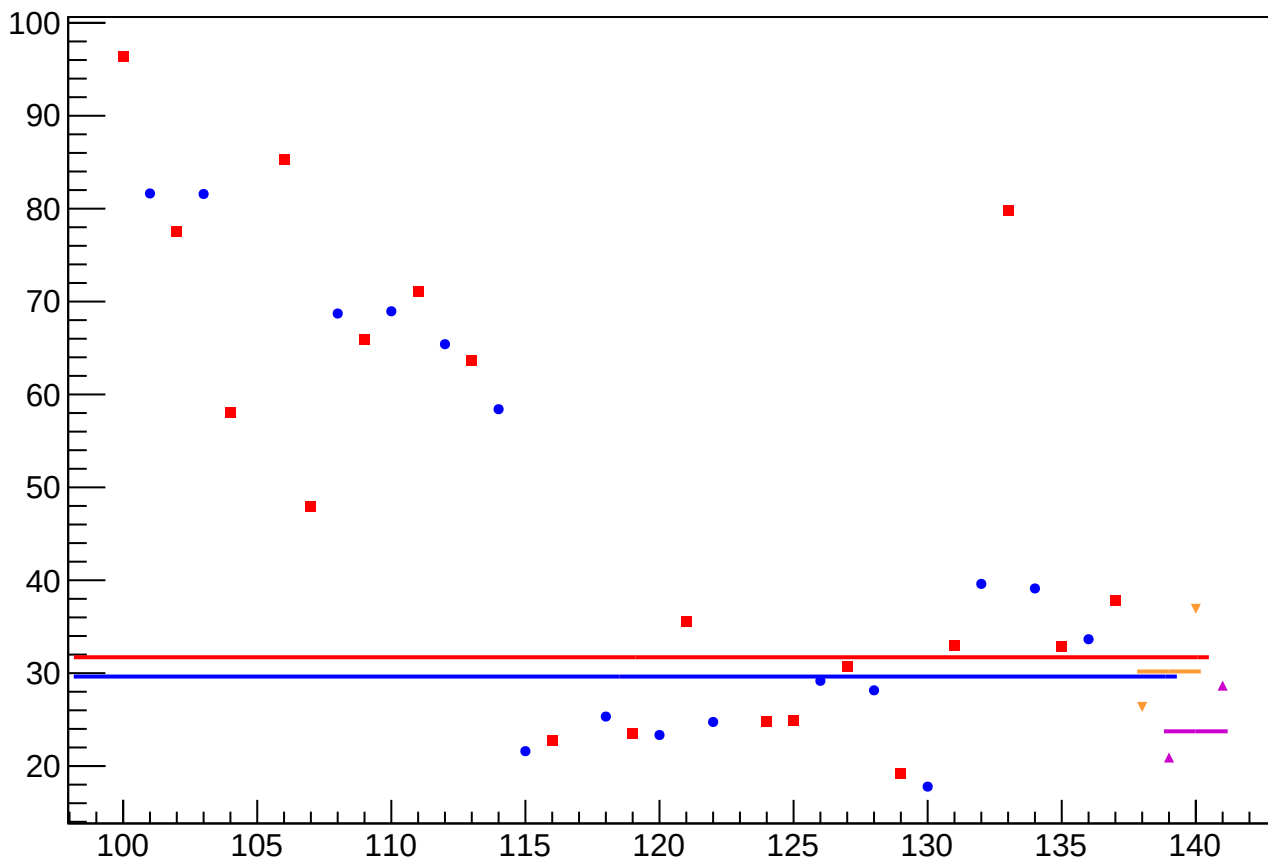
Left In: -0.011 ± 0.019 χ^2/NDF : 12.8/1

+ sign 0.004 ± 0.011 χ^2/NDF : 15.1/17

All: 0.003 ± 0.008 χ^2/NDF : 41.2/38

- sign 0.002 ± 0.011 χ^2/NDF : 26.0/20

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

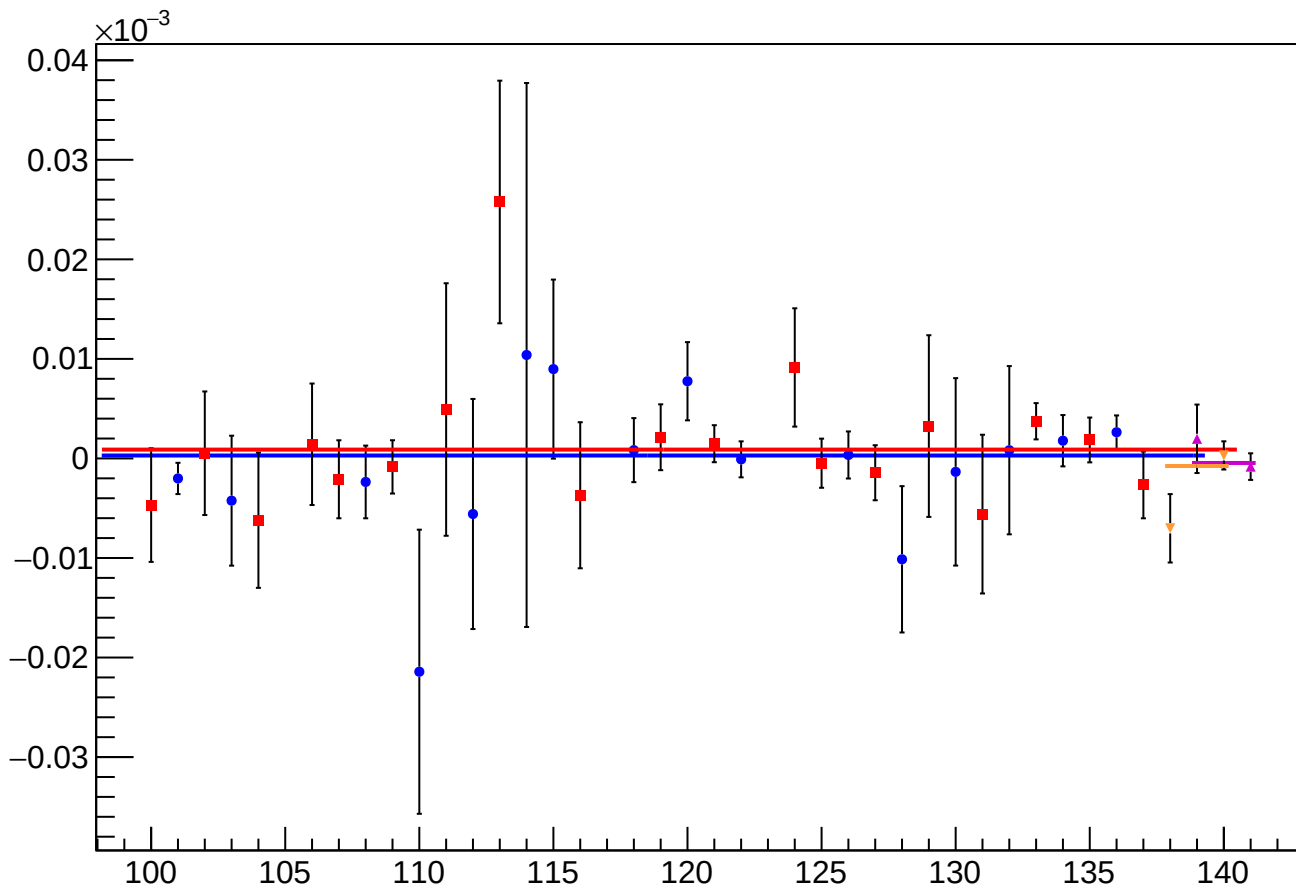
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF: 80363.9/1

+ sign 29.745 $\pm$ 0.008 χ^2 /NDF: 2531687.0/17

All: 29.370 $\pm$ 0.005 χ^2 /NDF: 5512249.4/38

- sign 29.025 $\pm$ 0.008 χ^2 /NDF: 2976270.9/20

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

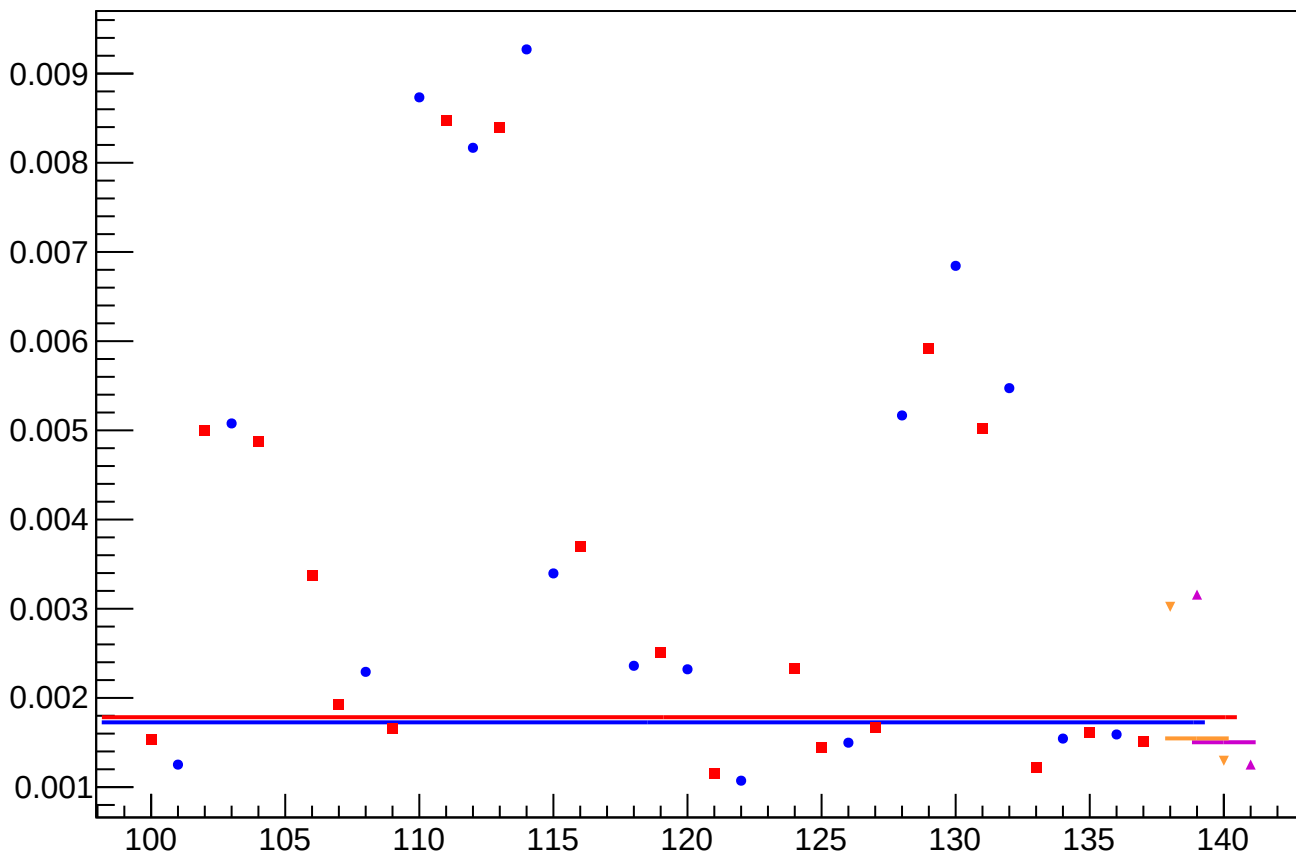
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/20

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3932244.6/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:431420.4/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3718778.6/18

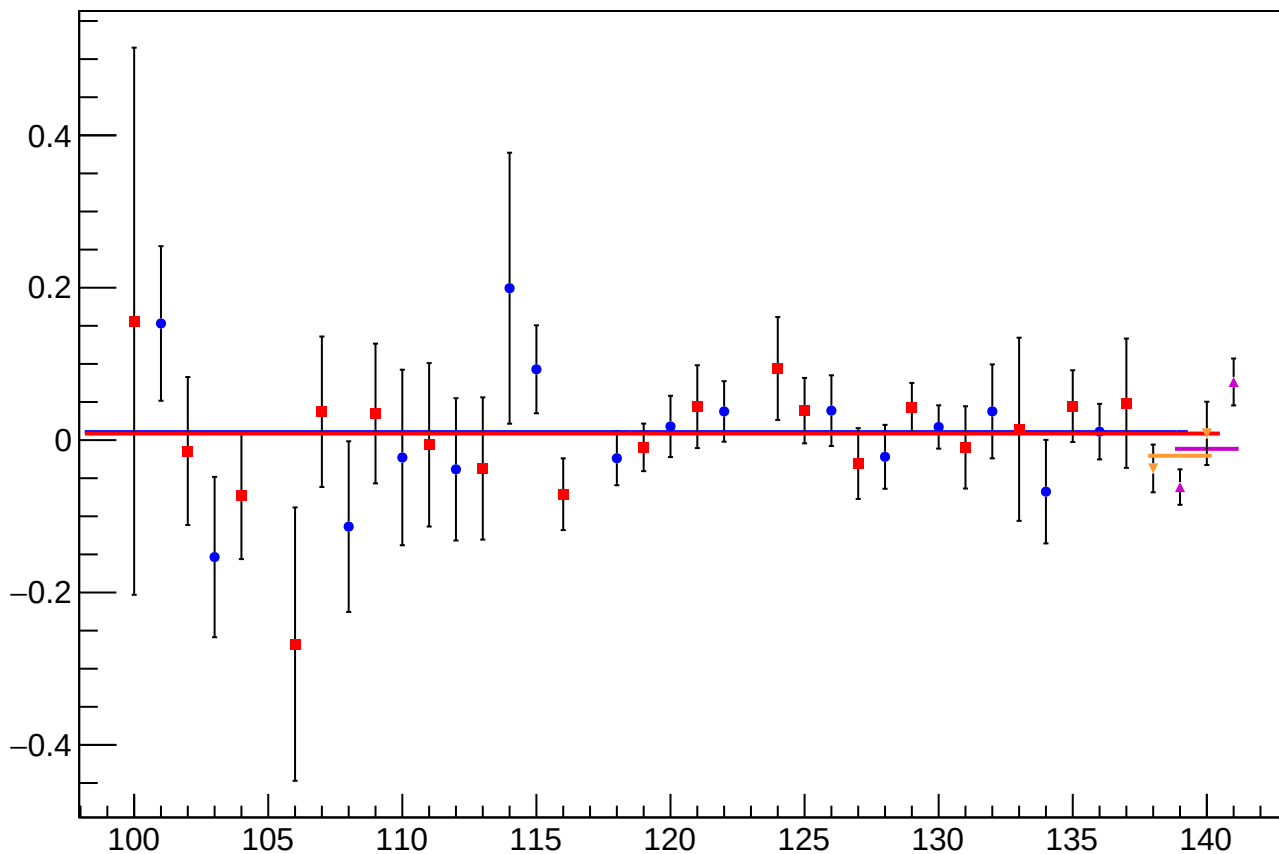
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:533502.2/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4391912.9/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8718870.9/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4325559.6/20

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

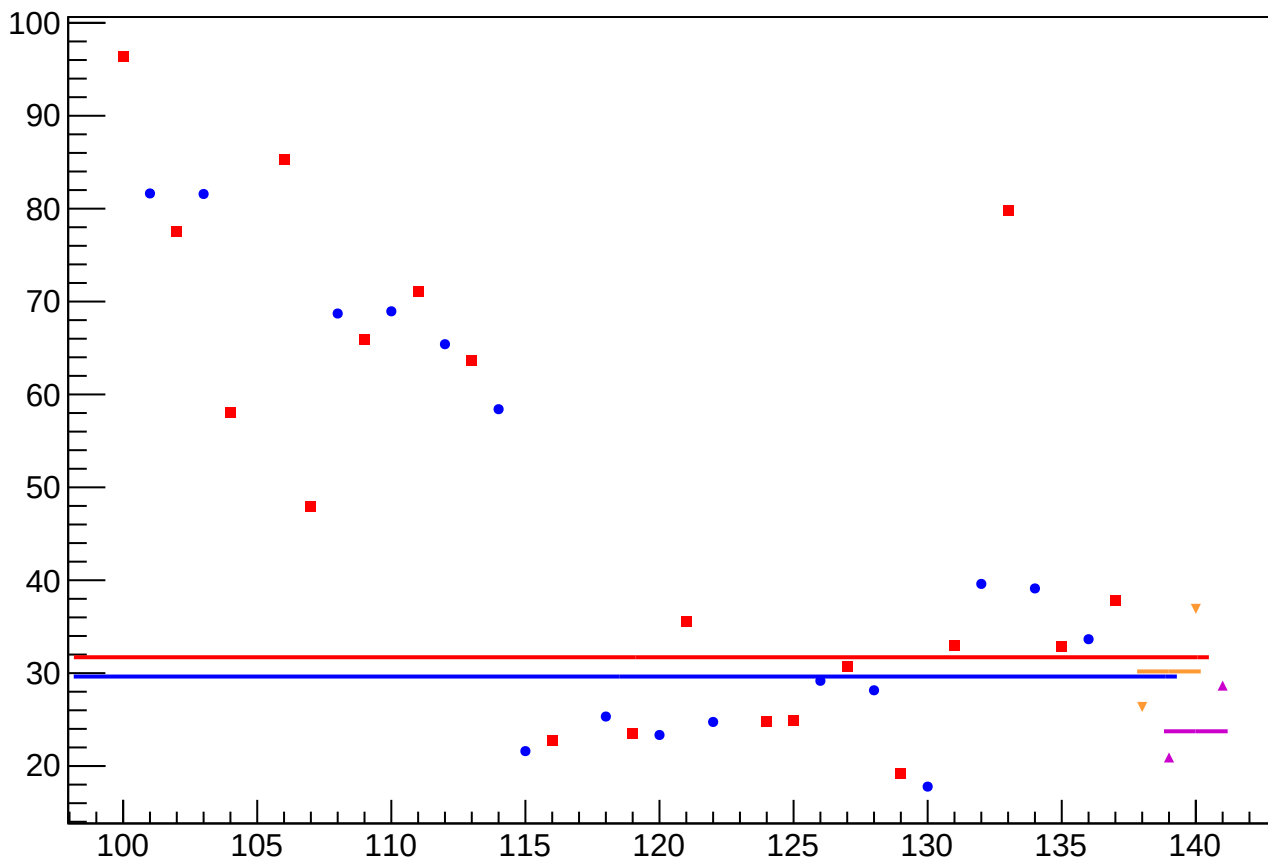
Left In: -0.011 $\pm$ 0.019 χ^2 /NDF:12.8/1

+ sign 0.004 $\pm$ 0.011 χ^2 /NDF: 15.1/17

All: 0.003 $\pm$ 0.008 χ^2 /NDF: 41.2/38

- sign 0.002 $\pm$ 0.011 χ^2 /NDF: 26.0/20

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

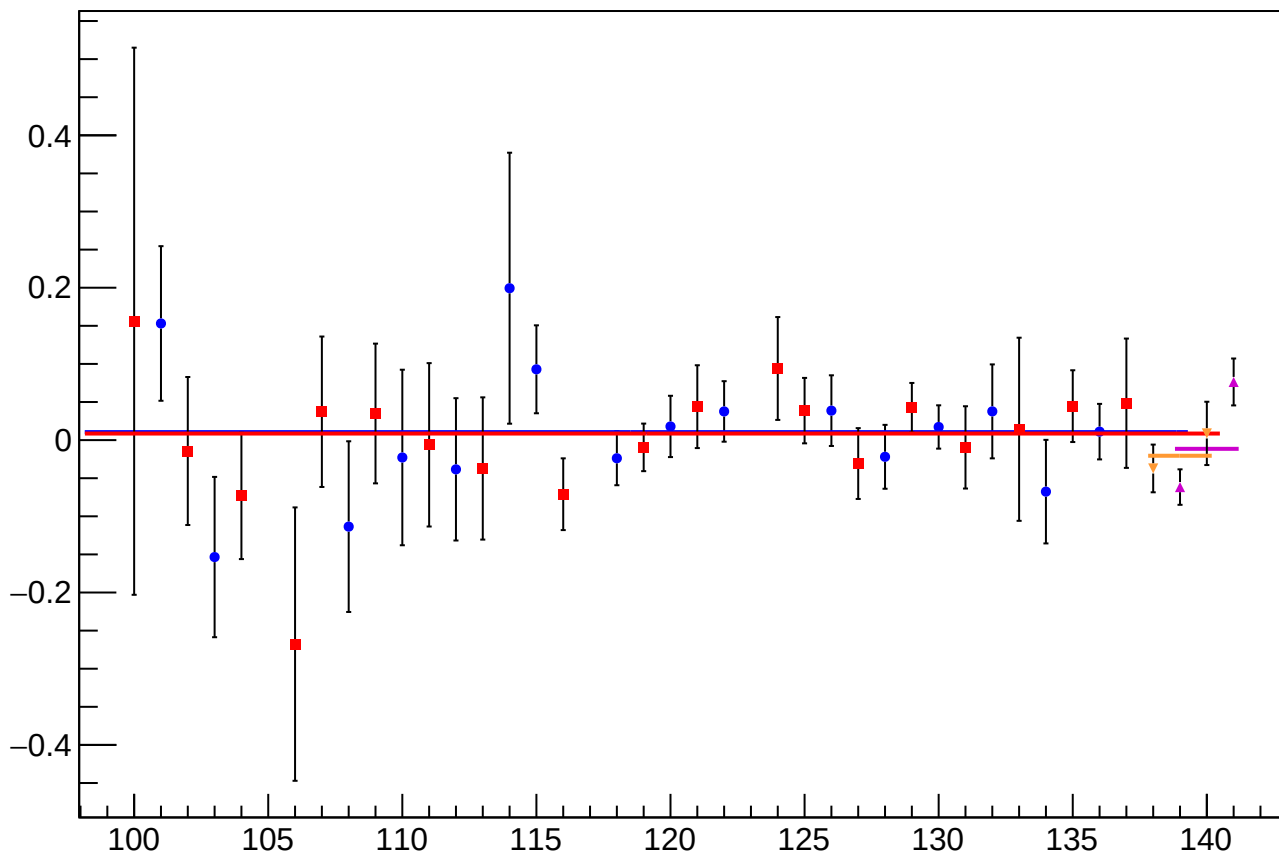
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF: 80361.9/1

+ sign 29.744 $\pm$ 0.008 χ^2 /NDF: 2531899.3/17

All: 29.370 $\pm$ 0.005 χ^2 /NDF: 5512521.8/38

- sign 29.024 $\pm$ 0.008 χ^2 /NDF: 2976336.2/20

asym_sam_1526_avg_eigen_dit_vs_eigen_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

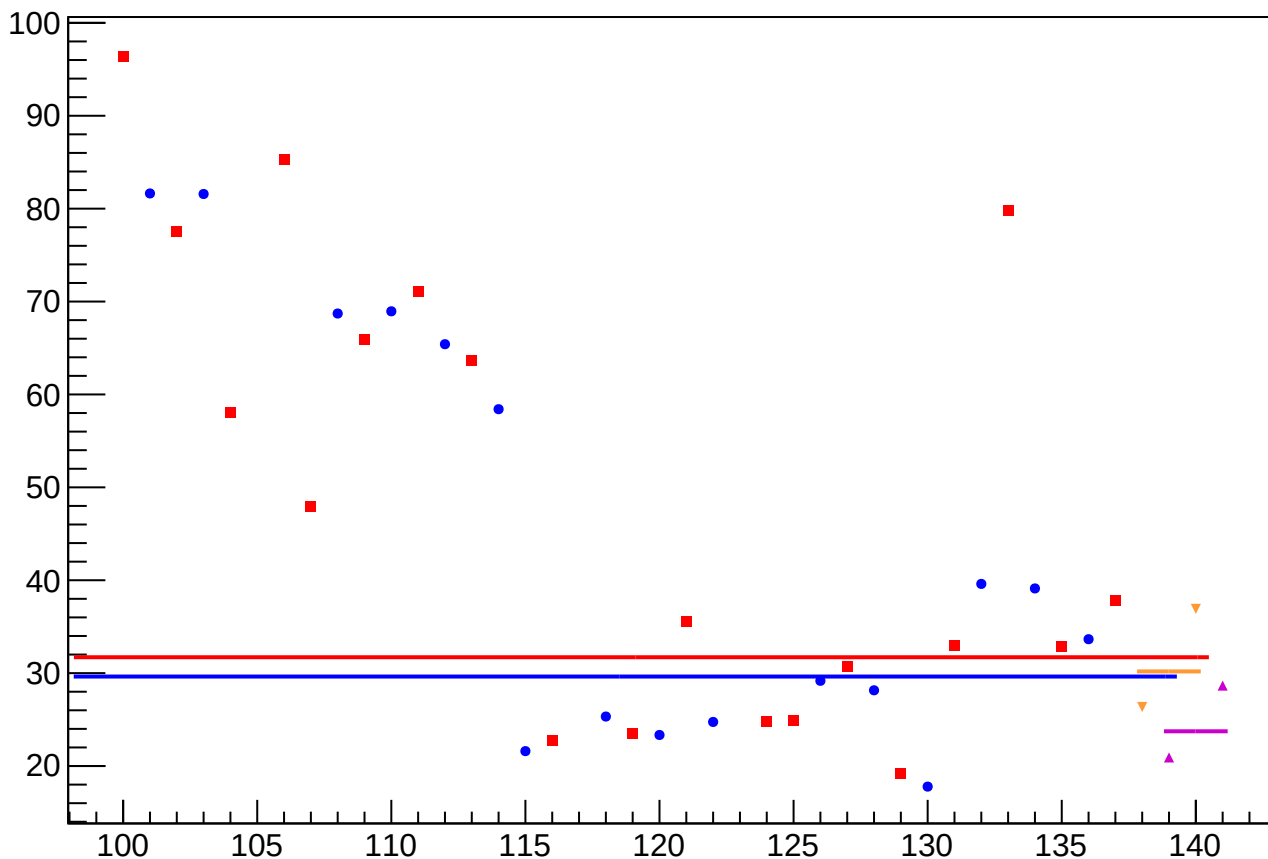
Left In: -0.011 $\pm$ 0.019 χ^2 /NDF: 12.8/1

+ sign 0.004 $\pm$ 0.011 χ^2 /NDF: 15.1/17

All: 0.003 $\pm$ 0.008 χ^2 /NDF: 41.2/38

- sign 0.002 $\pm$ 0.011 χ^2 /NDF: 26.0/20

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

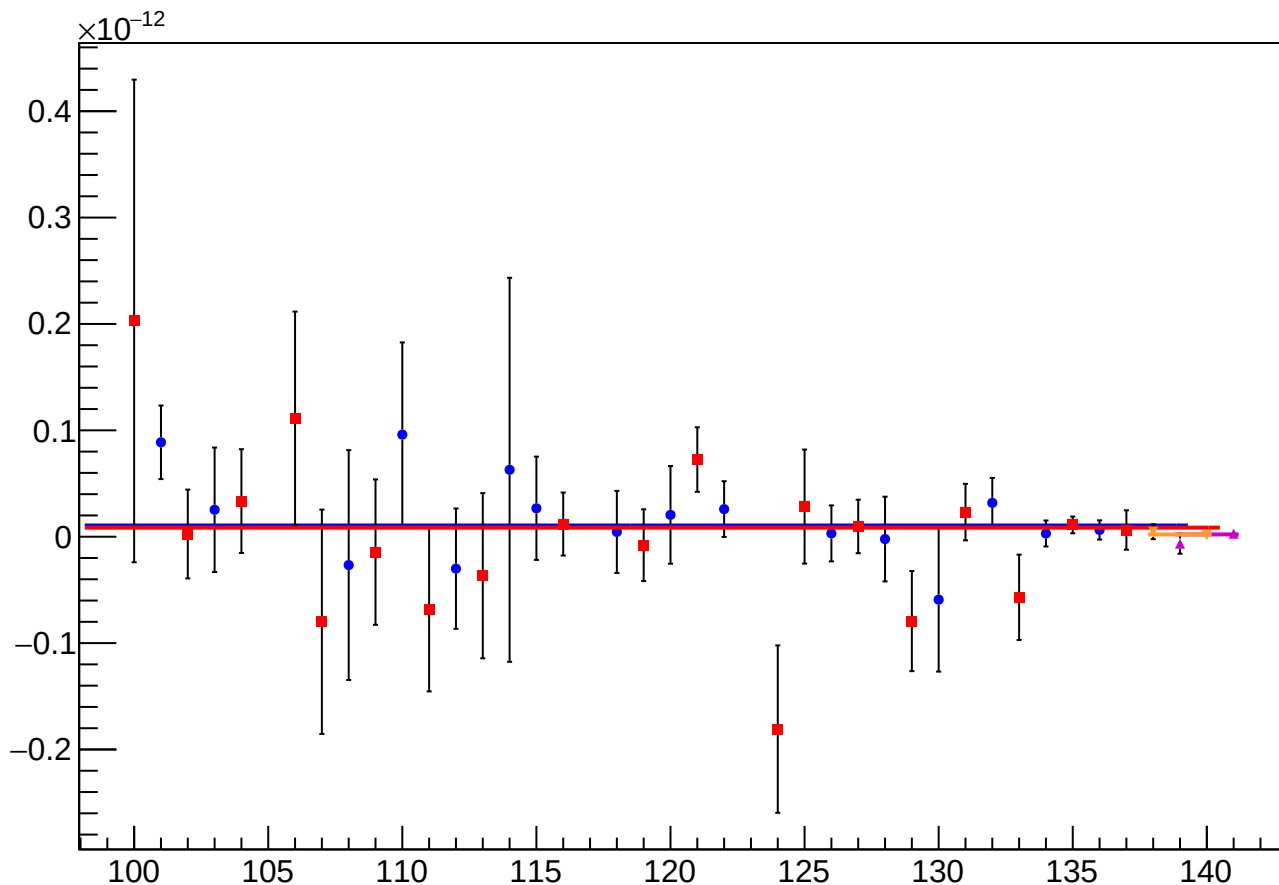
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF: 80361.9/1

+ sign 29.744 $\pm$ 0.008 χ^2 /NDF: 2531899.3/17

All: 29.370 $\pm$ 0.005 χ^2 /NDF: 5512521.8/38

- sign 29.024 $\pm$ 0.008 χ^2 /NDF: 2976336.2/20

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.2/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

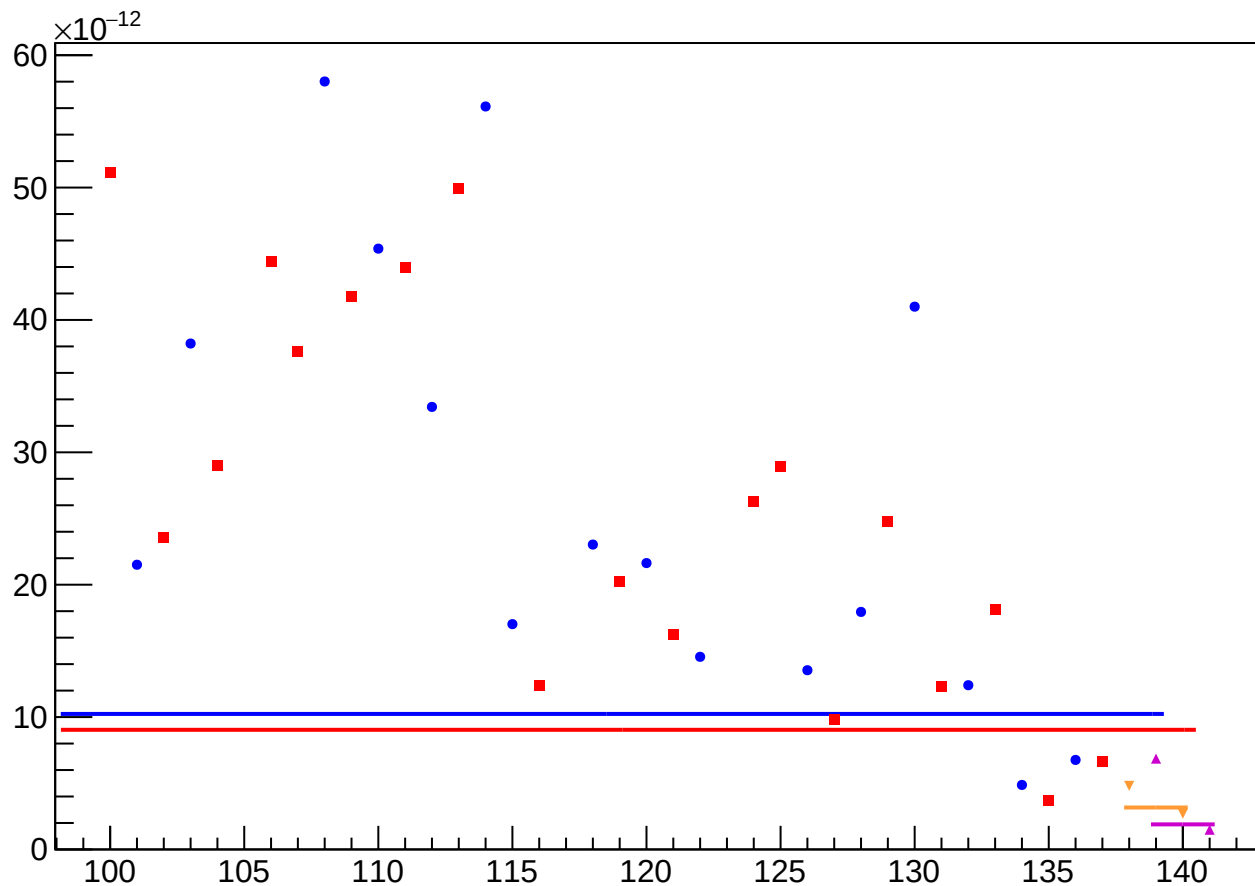
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.7/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/20

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF :139951.0/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4514368.5/18

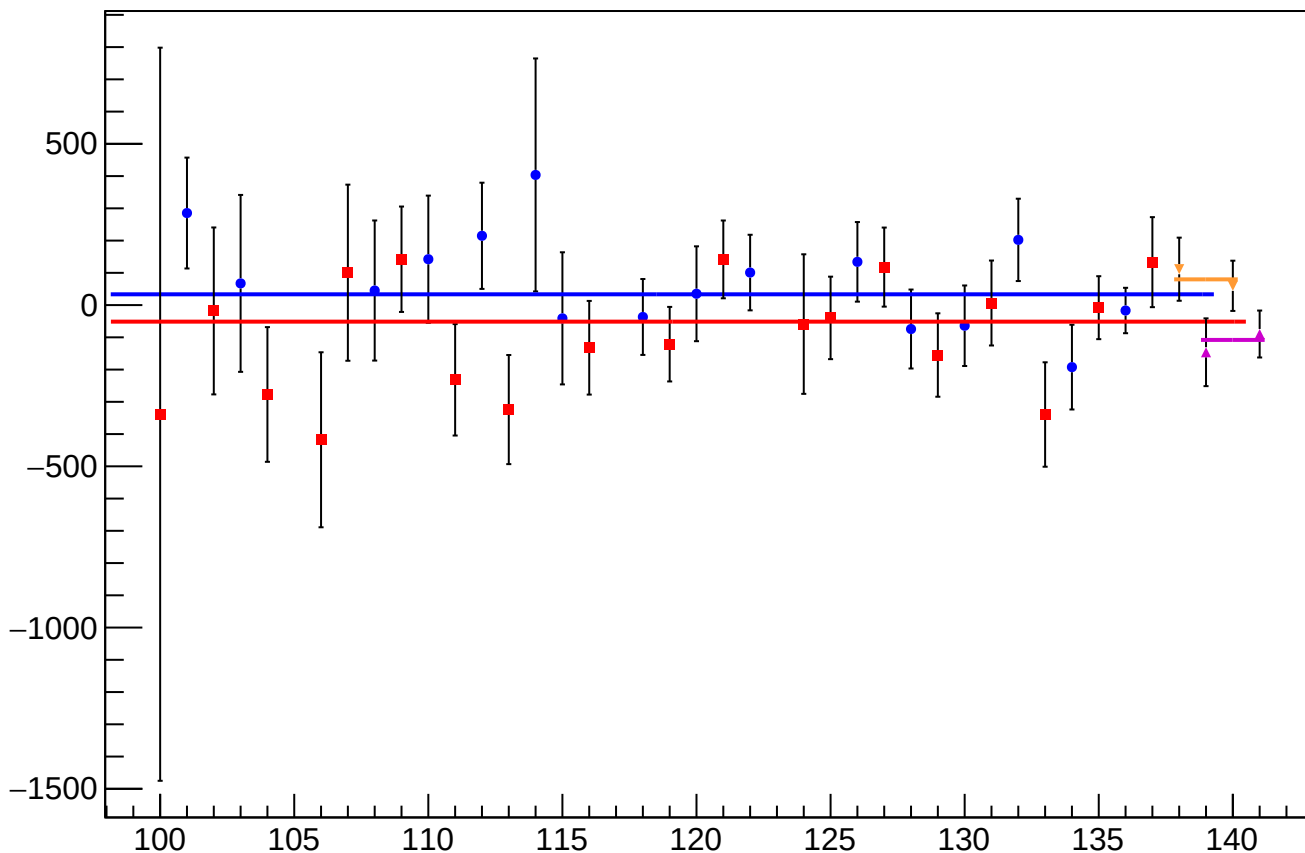
Left In: 0.000+/-0.000 χ^2/NDF :595359.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 5781836.8/17

All: 0.000+/-0.000 χ^2/NDF : 13781256.5/38

- sign 0.000+/-0.000 χ^2/NDF : 7551040.4/20

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431 ± 33.881 χ^2/NDF : 12.8/15

Left Out: 79.747 ± 60.939 χ^2/NDF : 0.2/1

Right Out: -51.335 ± 34.851 χ^2/NDF : 19.6/18

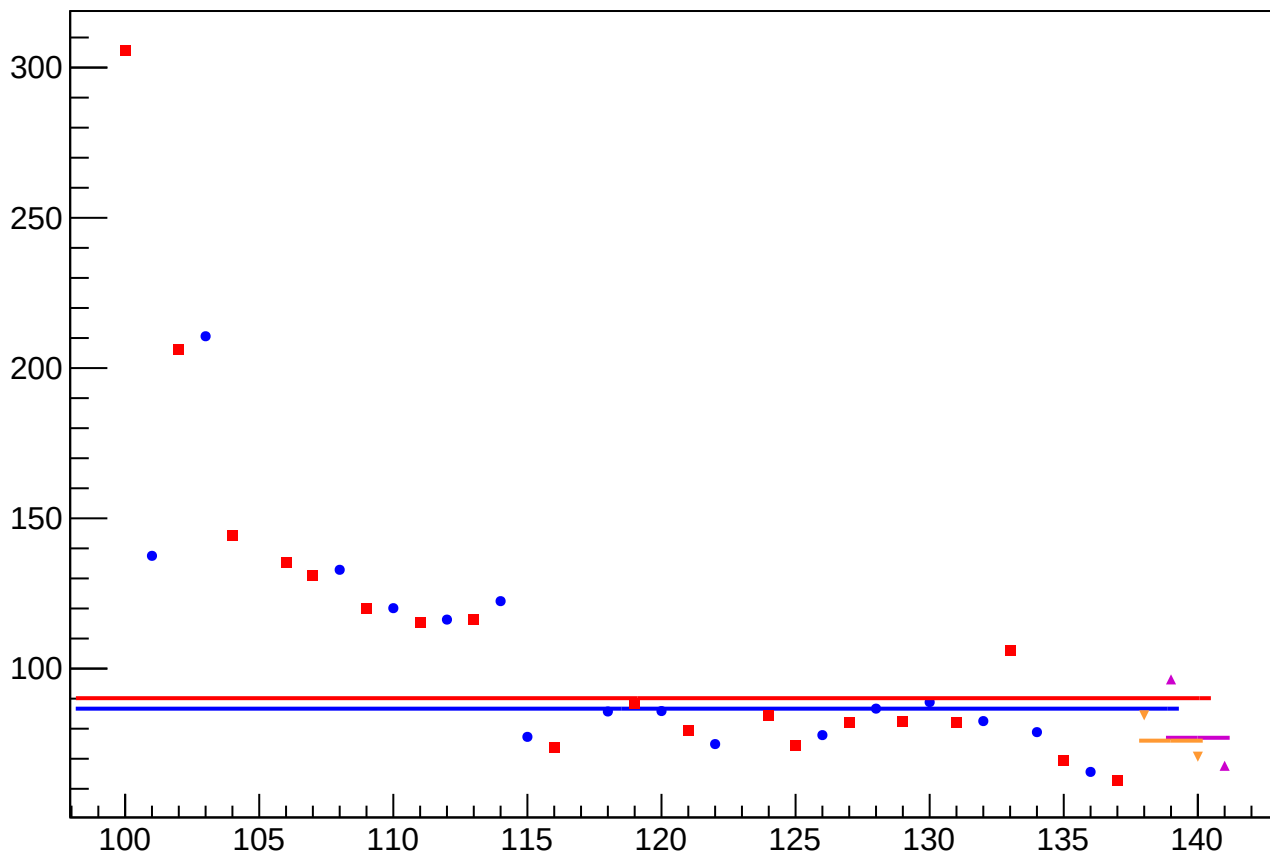
Left In: -108.038 ± 59.822 χ^2/NDF : 0.2/1

+ sign 44.367 ± 29.612 χ^2/NDF : 13.4/17

All: -9.744 ± 21.114 χ^2/NDF : 40.6/38

- sign -65.704 ± 30.113 χ^2/NDF : 20.4/20

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

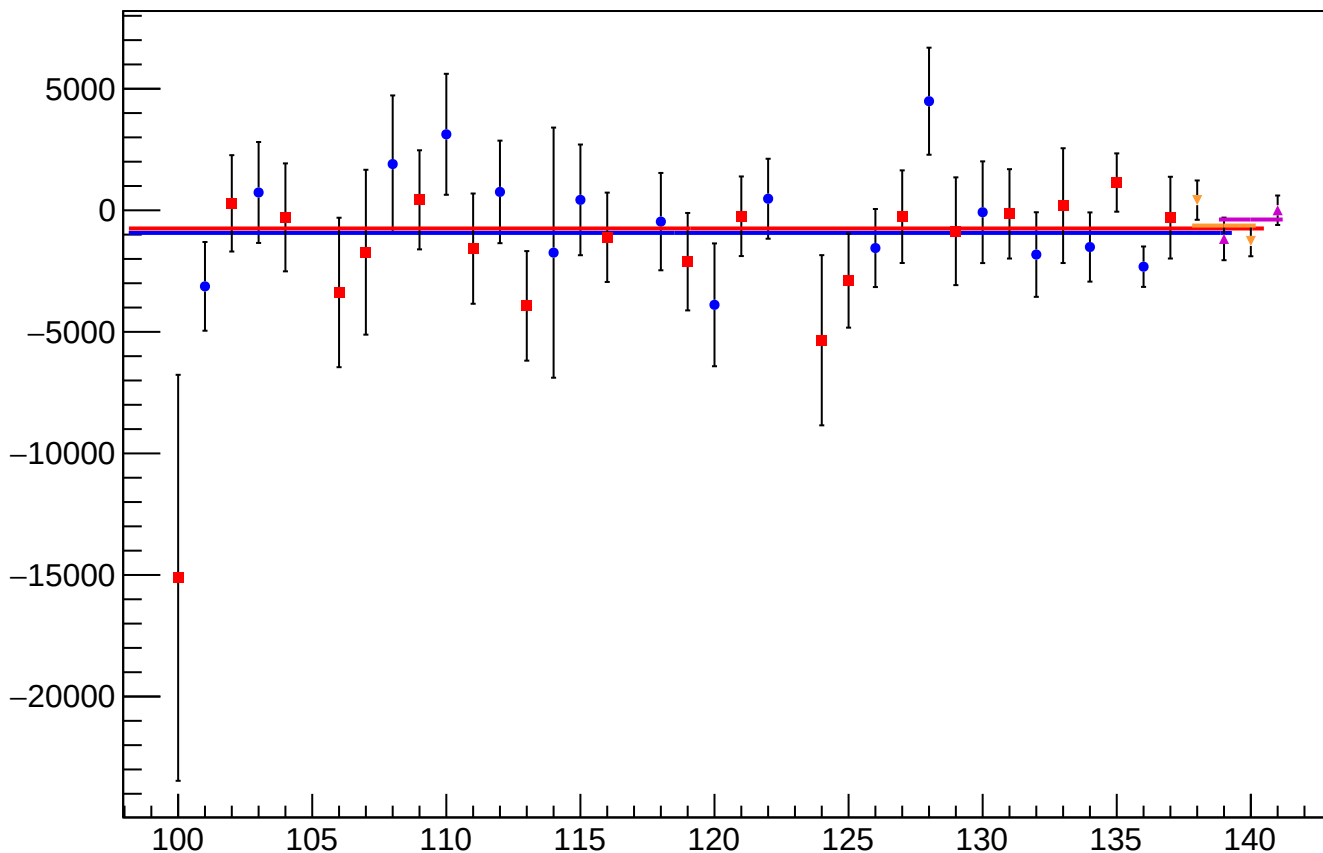
Left In: 76.979 $\pm$ 0.042 χ^2 /NDF: 101183.8/1

+ sign 84.153 $\pm$ 0.021 χ^2 /NDF: 1109654.6/17

All: 85.461 $\pm$ 0.015 χ^2 /NDF: 2441178.6/38

- sign 86.815 $\pm$ 0.021 χ^2 /NDF: 1323577.7/20

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

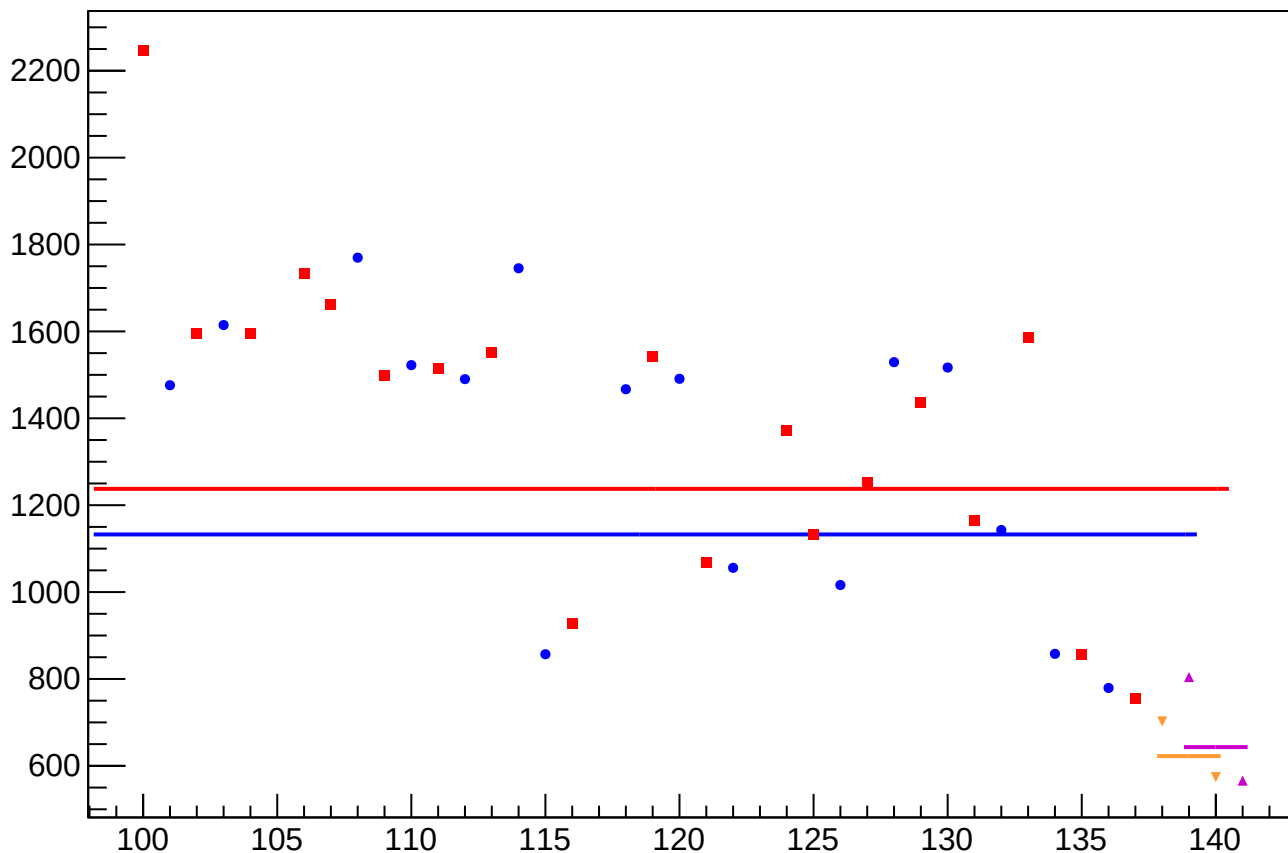
Left In: -378.673 ± 498.034 χ^2/NDF : 1.2/1

+ sign -796.362 ± 329.760 χ^2/NDF : 21.4/17

All: -689.113 ± 237.054 χ^2/NDF : 36.2/38

- sign -574.420 ± 341.012 χ^2/NDF : 14.5/20

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688 $\pm$ 0.312 χ^2 /NDF: 1124151.1/15

Left Out: 622.362 $\pm$ 0.351 χ^2 /NDF: 31315.3/1

Right Out: 1237.591 $\pm$ 0.331 χ^2 /NDF: 895314.3/18

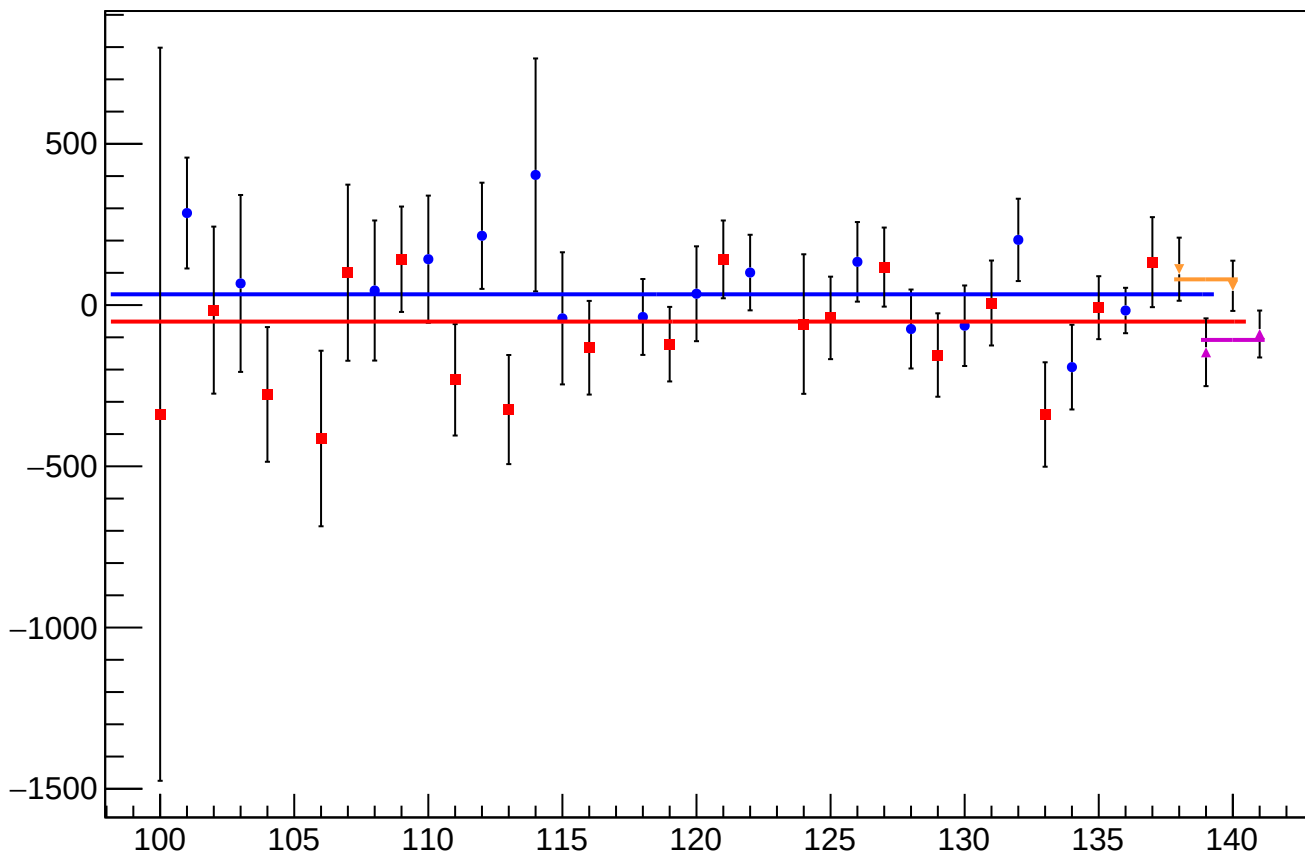
Left In: 643.133 $\pm$ 0.352 χ^2 /NDF: 100315.2/1

+ sign 907.844 $\pm$ 0.233 χ^2 /NDF: 2336040.0/17

All: 932.510 $\pm$ 0.168 χ^2 /NDF: 4868330.9/38

- sign 958.887 $\pm$ 0.241 χ^2 /NDF: 2509134.6/20

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

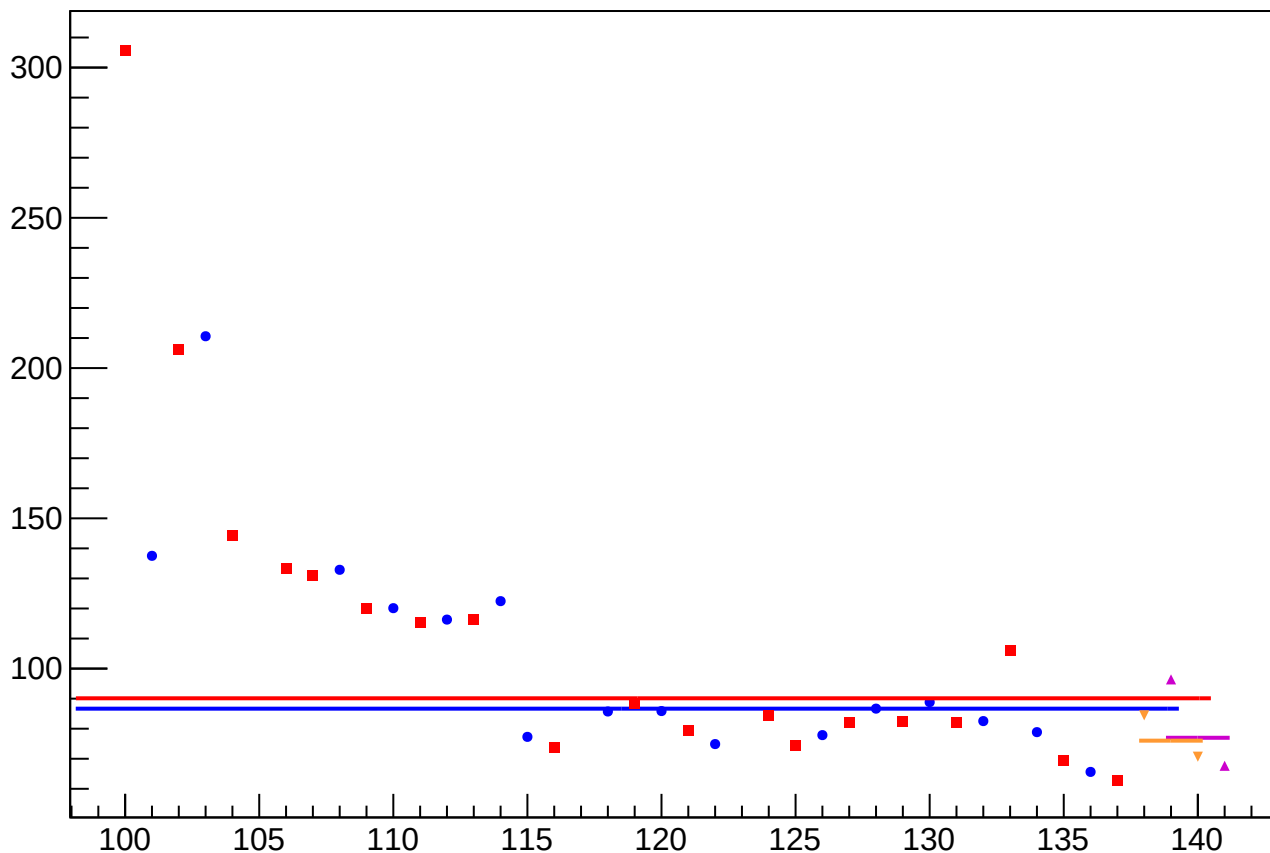
Left In: -108.042 $\pm$ 59.822 χ^2 /NDF: 0.2/1

+ sign 44.362 $\pm$ 29.612 χ^2 /NDF: 13.4/17

All: -9.691 $\pm$ 21.114 χ^2 /NDF: 40.6/38

- sign -65.596 $\pm$ 30.115 χ^2 /NDF: 20.4/20

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

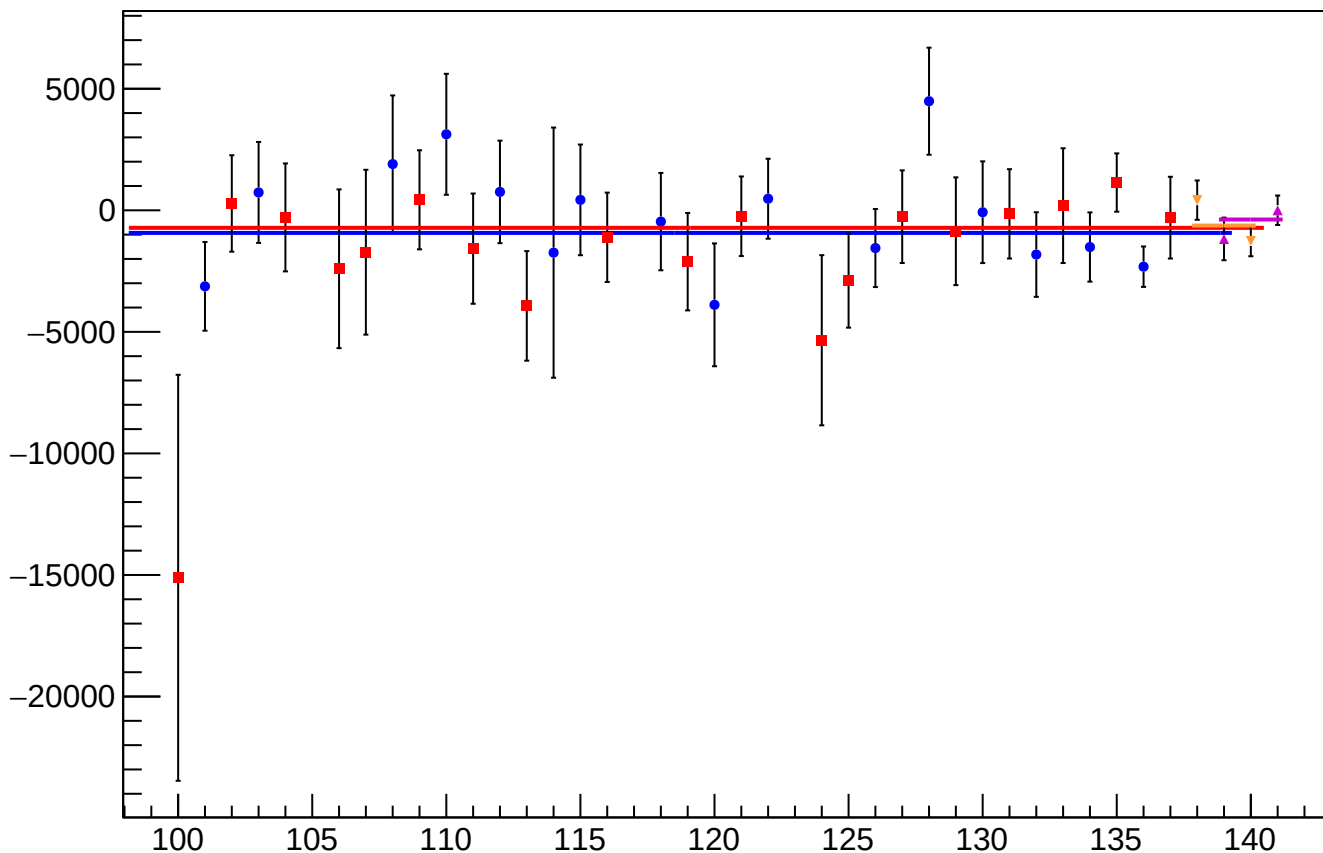
Left In: 76.979 $\pm$ 0.042 χ^2 /NDF: 101183.8/1

+ sign 84.153 $\pm$ 0.021 χ^2 /NDF: 1109657.4/17

All: 85.447 $\pm$ 0.015 χ^2 /NDF: 2435911.8/38

- sign 86.787 $\pm$ 0.021 χ^2 /NDF: 1318474.6/20

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

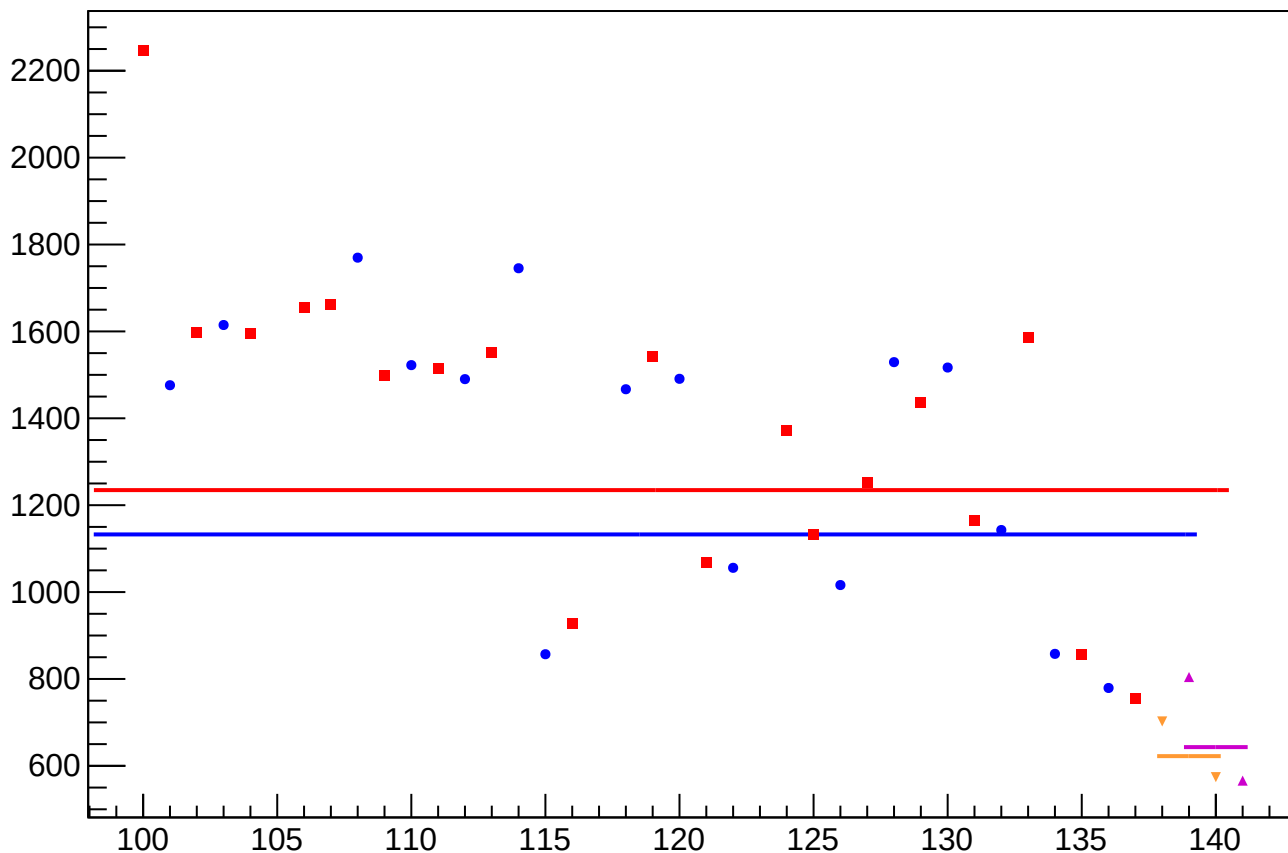
Left In: -378.677+/-498.034 χ^2/NDF : 1.2/1

+ sign -796.337+/-329.761 χ^2/NDF : 21.4/17

All: -682.247+/-237.137 χ^2/NDF : 35.7/38

- sign -560.063+/-341.259 χ^2/NDF : 14.0/20

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

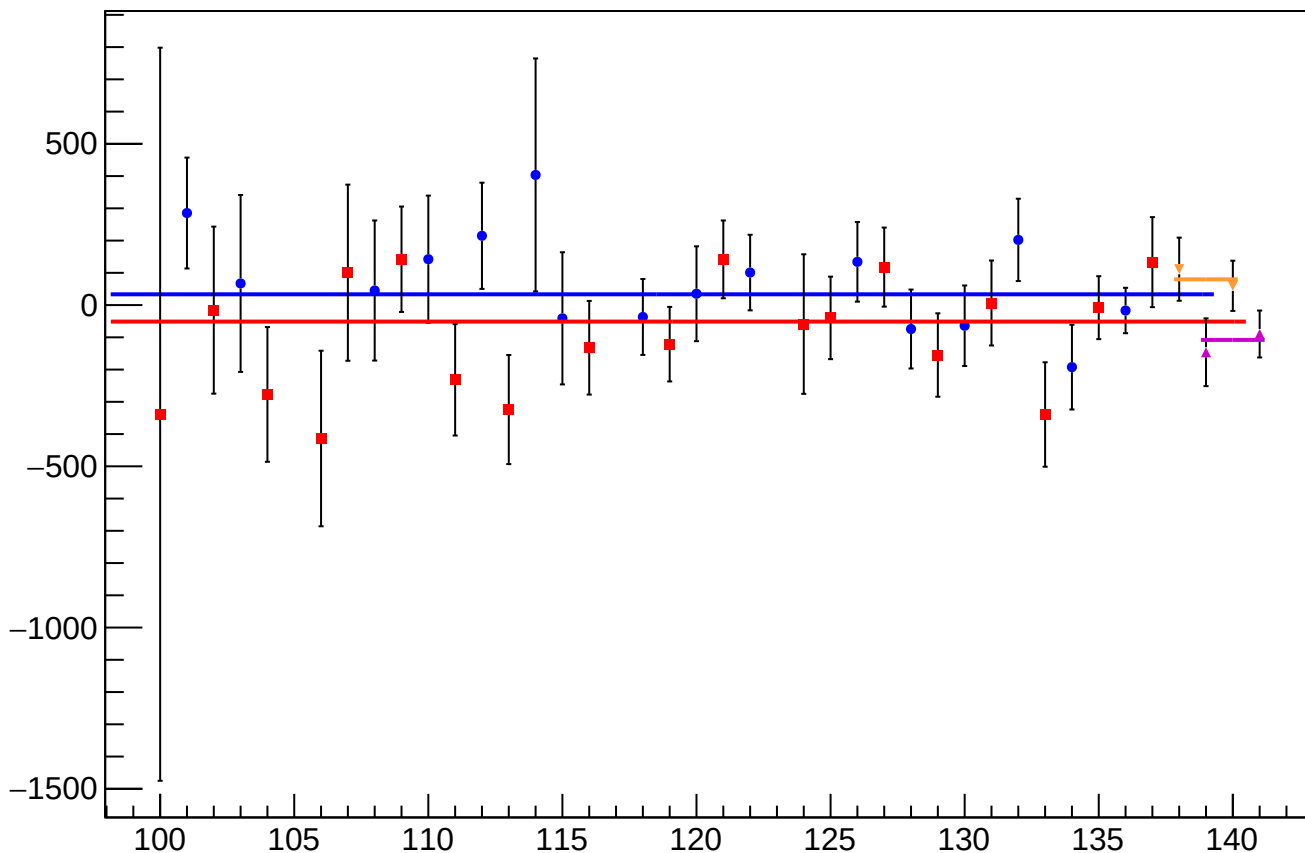
Left In: 643.133+/-0.352 χ^2/NDF : 100314.2/1

+ sign 907.843+/-0.233 χ^2/NDF : 2336083.8/17

All: 931.558+/-0.168 χ^2/NDF : 4831036.4/38

- sign 956.956+/-0.241 χ^2/NDF : 2473531.3/20

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

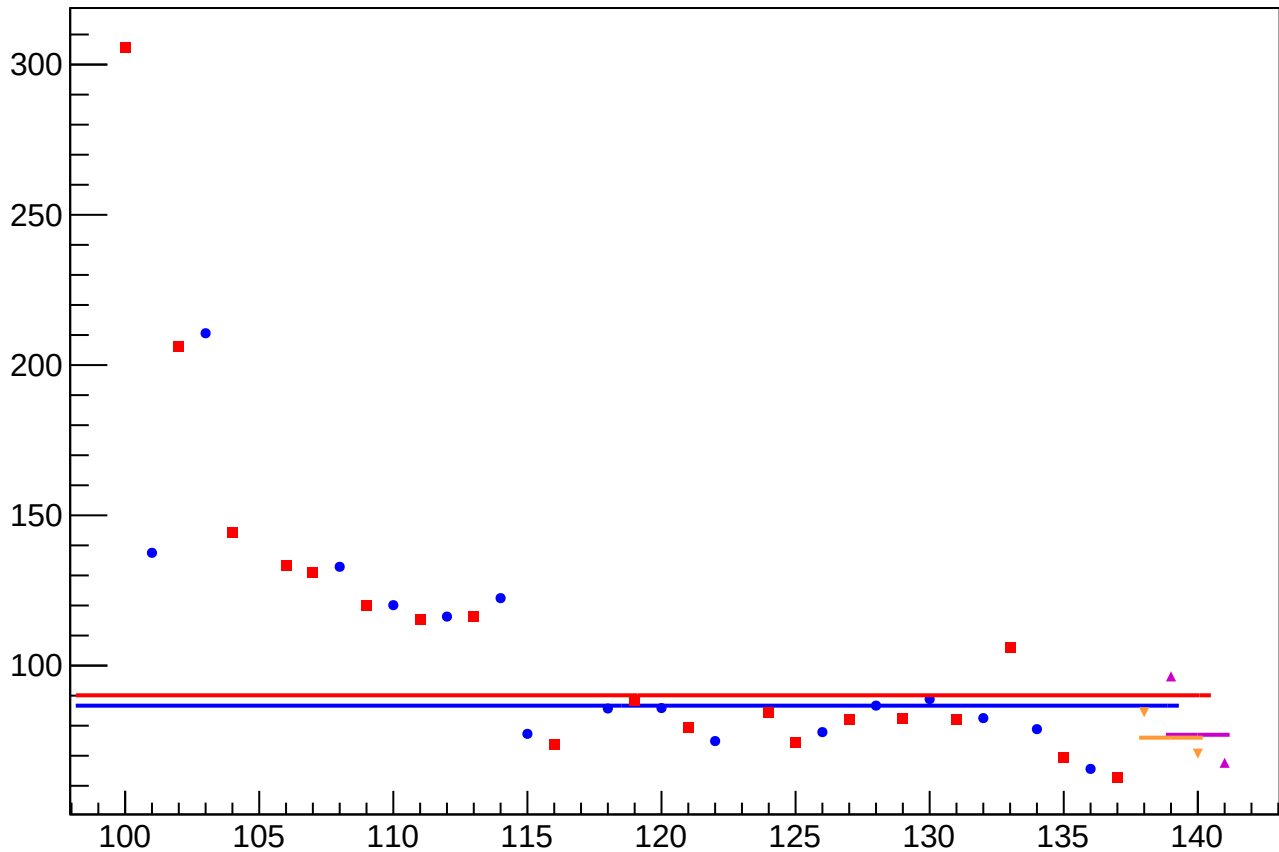
Left In: -108.042 $\pm$ 59.822 χ^2 /NDF: 0.2/1

+ sign 44.362 $\pm$ 29.612 χ^2 /NDF: 13.4/17

All: -9.691 $\pm$ 21.114 χ^2 /NDF: 40.6/38

- sign -65.596 $\pm$ 30.115 χ^2 /NDF: 20.4/20

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

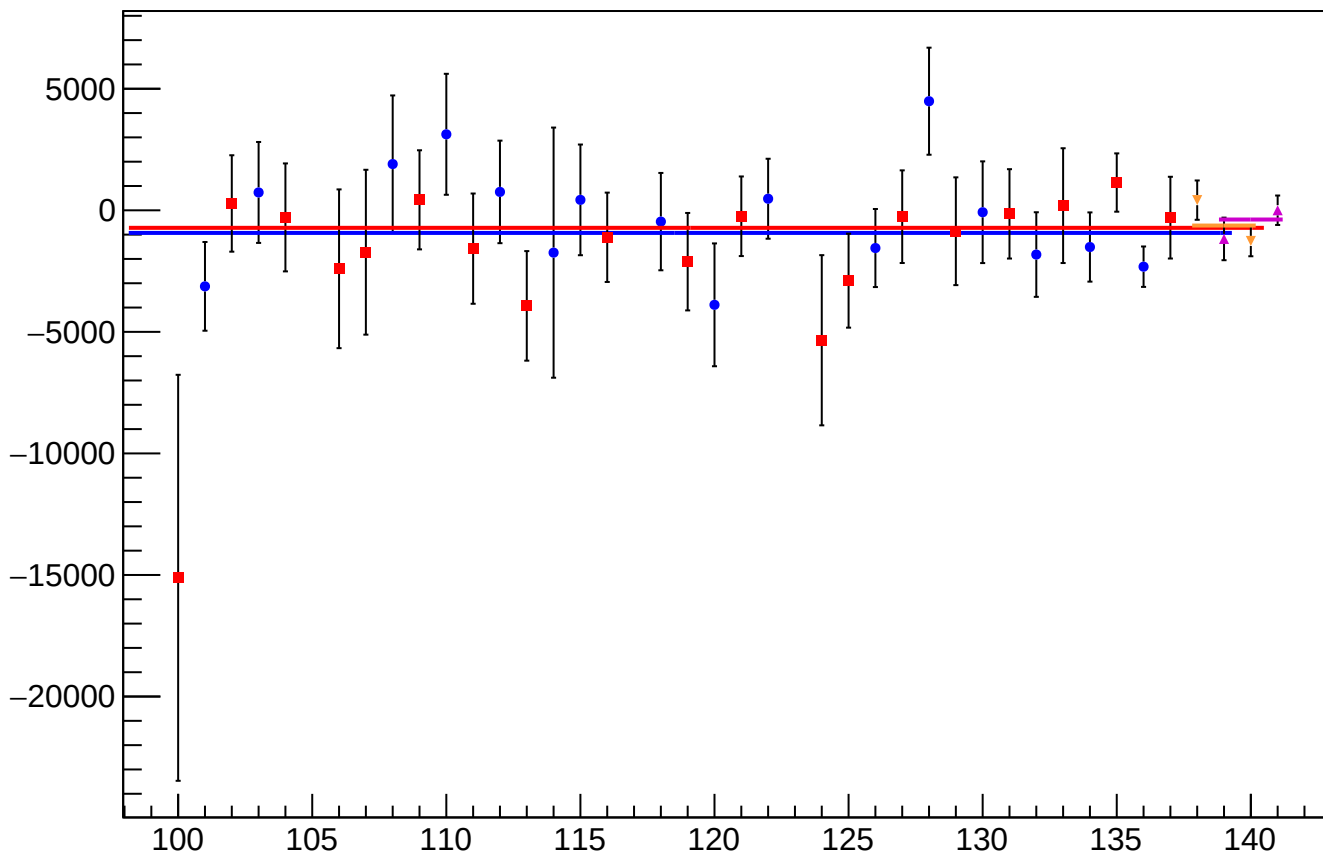
Left In: 76.979 $\pm$ 0.042 χ^2 /NDF: 101183.8/1

+ sign 84.153 $\pm$ 0.021 χ^2 /NDF: 1109657.4/17

All: 85.447 $\pm$ 0.015 χ^2 /NDF: 2435911.8/38

- sign 86.787 $\pm$ 0.021 χ^2 /NDF: 1318474.6/20

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

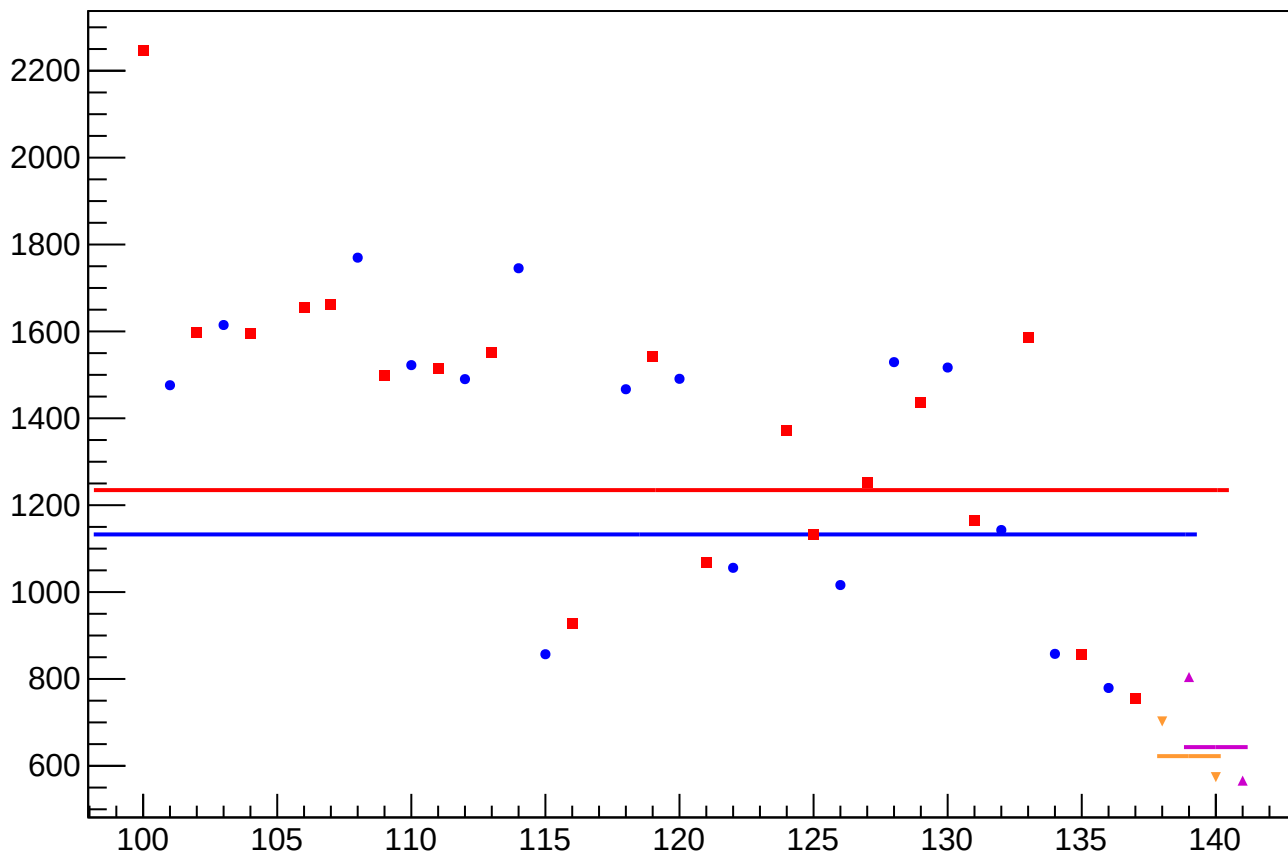
Left In: -378.677+/-498.034 χ^2/NDF : 1.2/1

+ sign -796.337+/-329.761 χ^2/NDF : 21.4/17

All: -682.247+/-237.137 χ^2/NDF : 35.7/38

- sign -560.063+/-341.259 χ^2/NDF : 14.0/20

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1132.689 $\pm$ 0.312 χ^2 /NDF: 1124187.2/15

Left Out: 622.361 $\pm$ 0.351 χ^2 /NDF: 31315.4/1

Right Out: 1234.709 $\pm$ 0.331 χ^2 /NDF: 876272.4/18

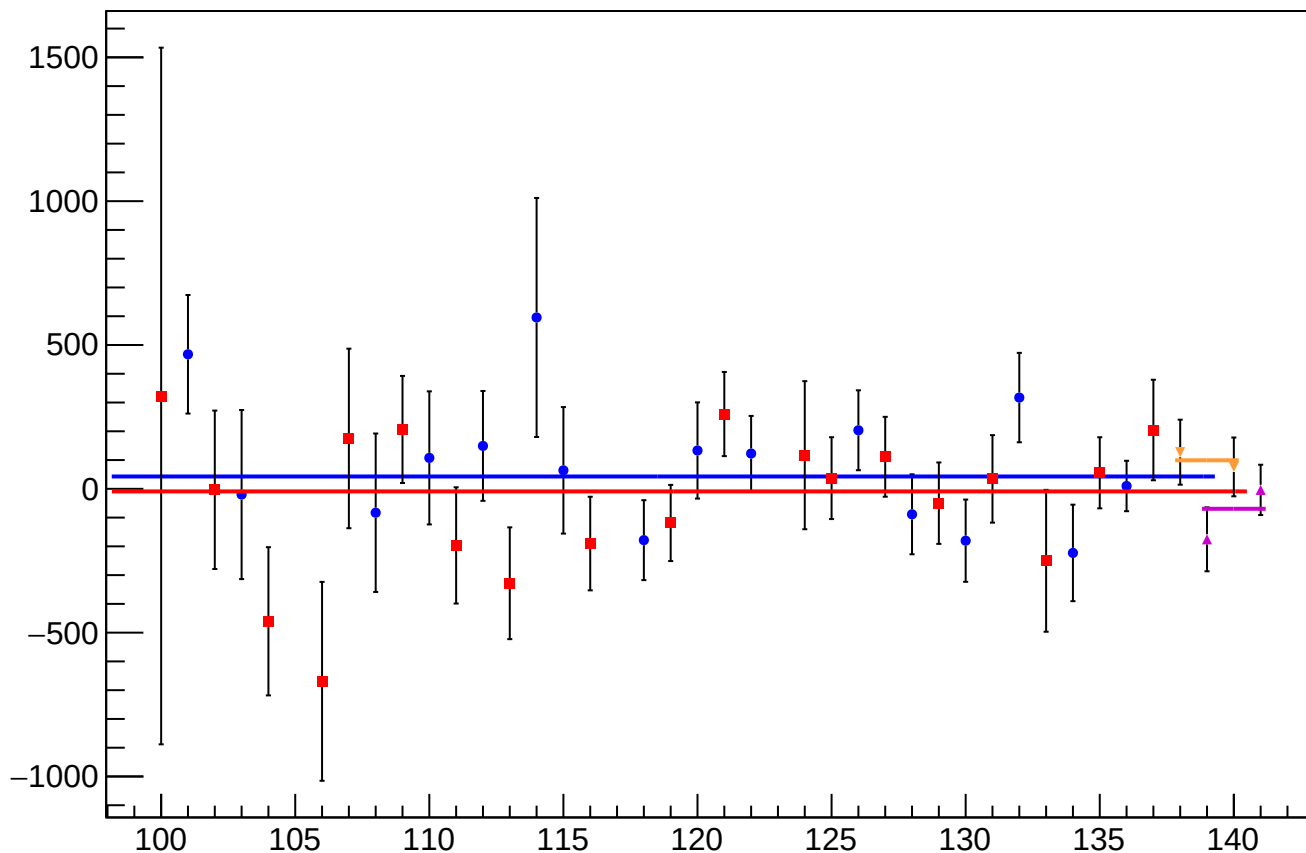
Left In: 643.133 $\pm$ 0.352 χ^2 /NDF: 100314.2/1

+ sign 907.843 $\pm$ 0.233 χ^2 /NDF: 2336083.8/17

All: 931.558 $\pm$ 0.168 χ^2 /NDF: 4831036.4/38

- sign 956.956 $\pm$ 0.241 χ^2 /NDF: 2473531.3/20

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

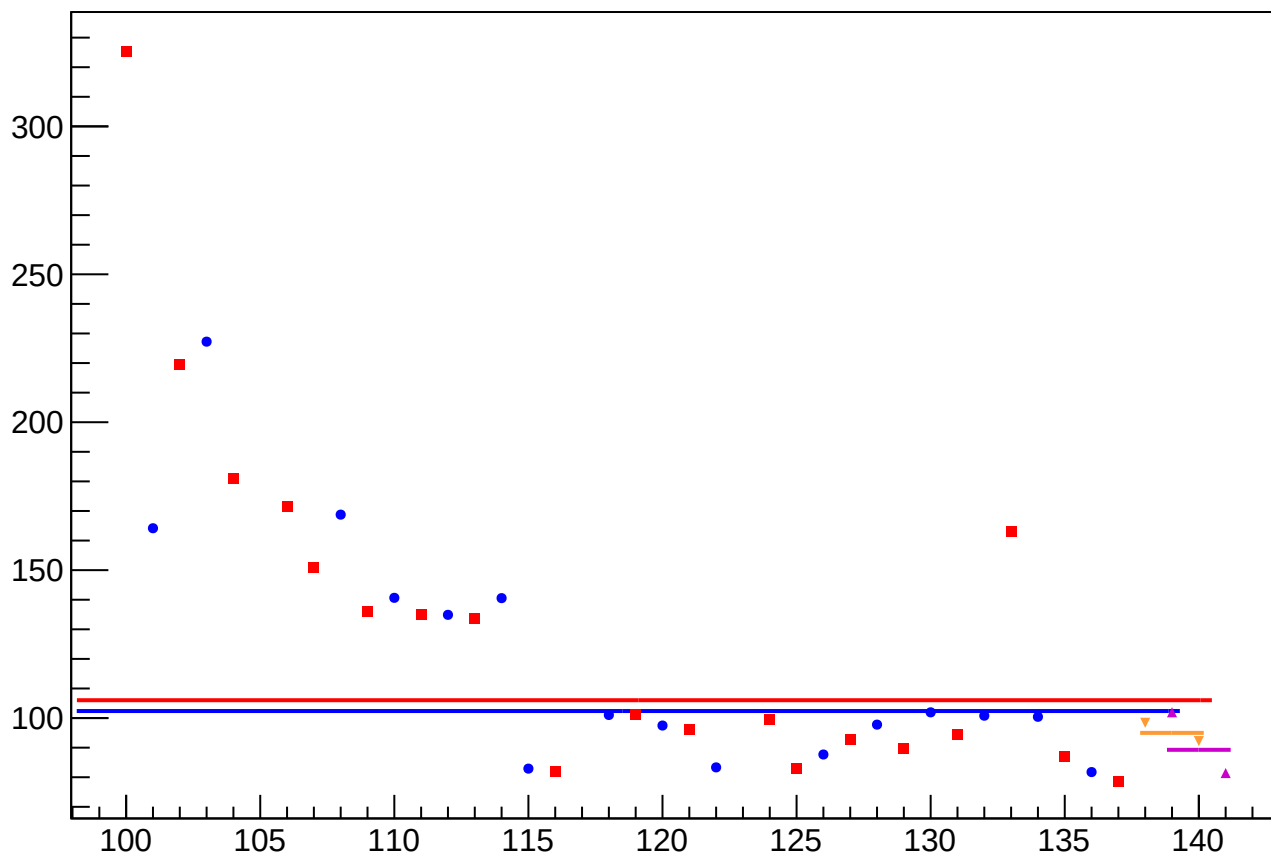
Left In: -69.390 $\pm$ 68.733 χ^2 /NDF:1.5/1

+ sign 55.148 $\pm$ 35.341 χ^2 /NDF: 20.9/17

All: 15.033 $\pm$ 24.957 χ^2 /NDF: 46.8/38

- sign -24.875 $\pm$ 35.249 χ^2 /NDF: 23.4/20

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

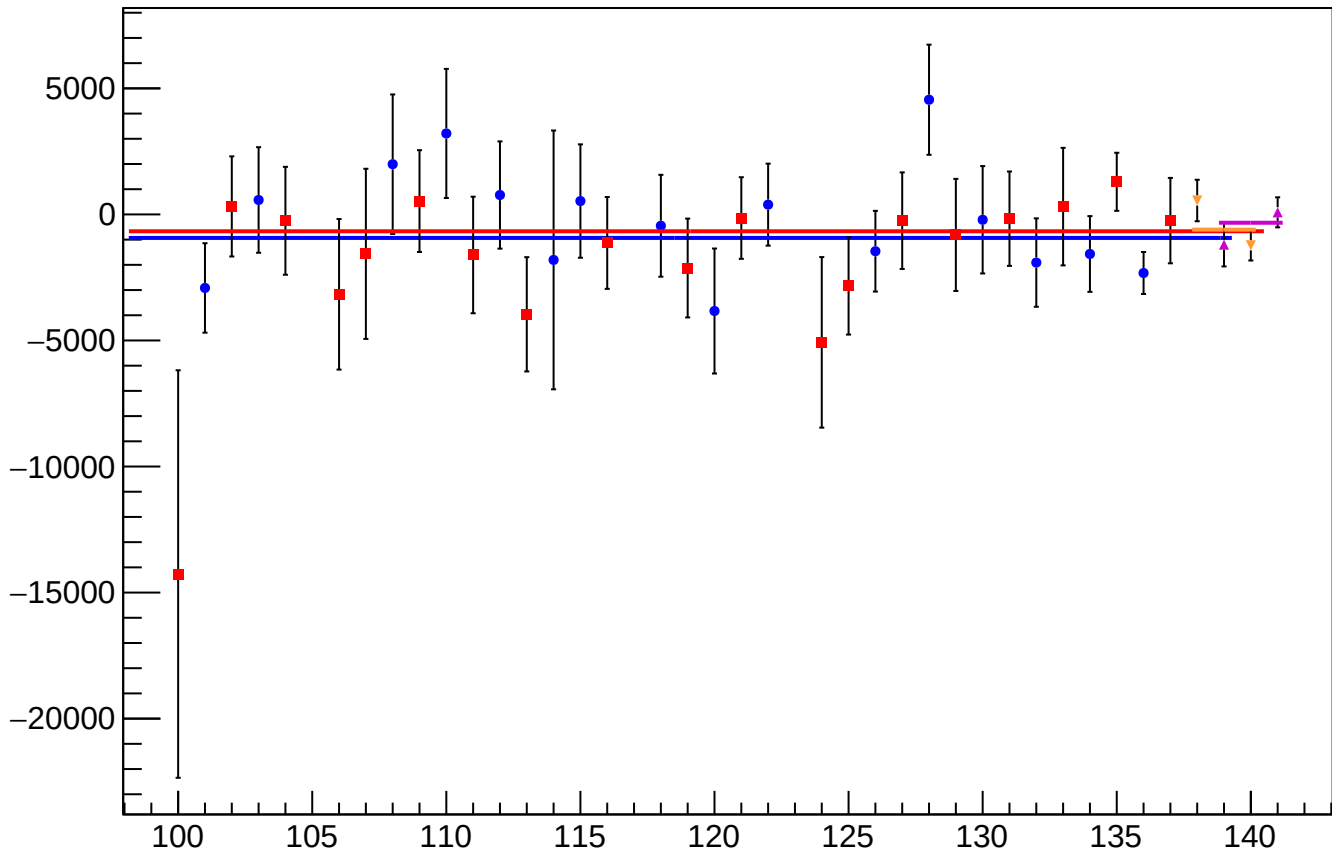
Left In: 89.271 $\pm$ 0.049 χ^2 /NDF:42155.3/1

+ sign 100.775 $\pm$ 0.025 χ^2 /NDF: 1000444.7/17

All: 101.201 $\pm$ 0.018 χ^2 /NDF: 2322126.4/38

- sign 101.624 $\pm$ 0.025 χ^2 /NDF: 1321102.5/20

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

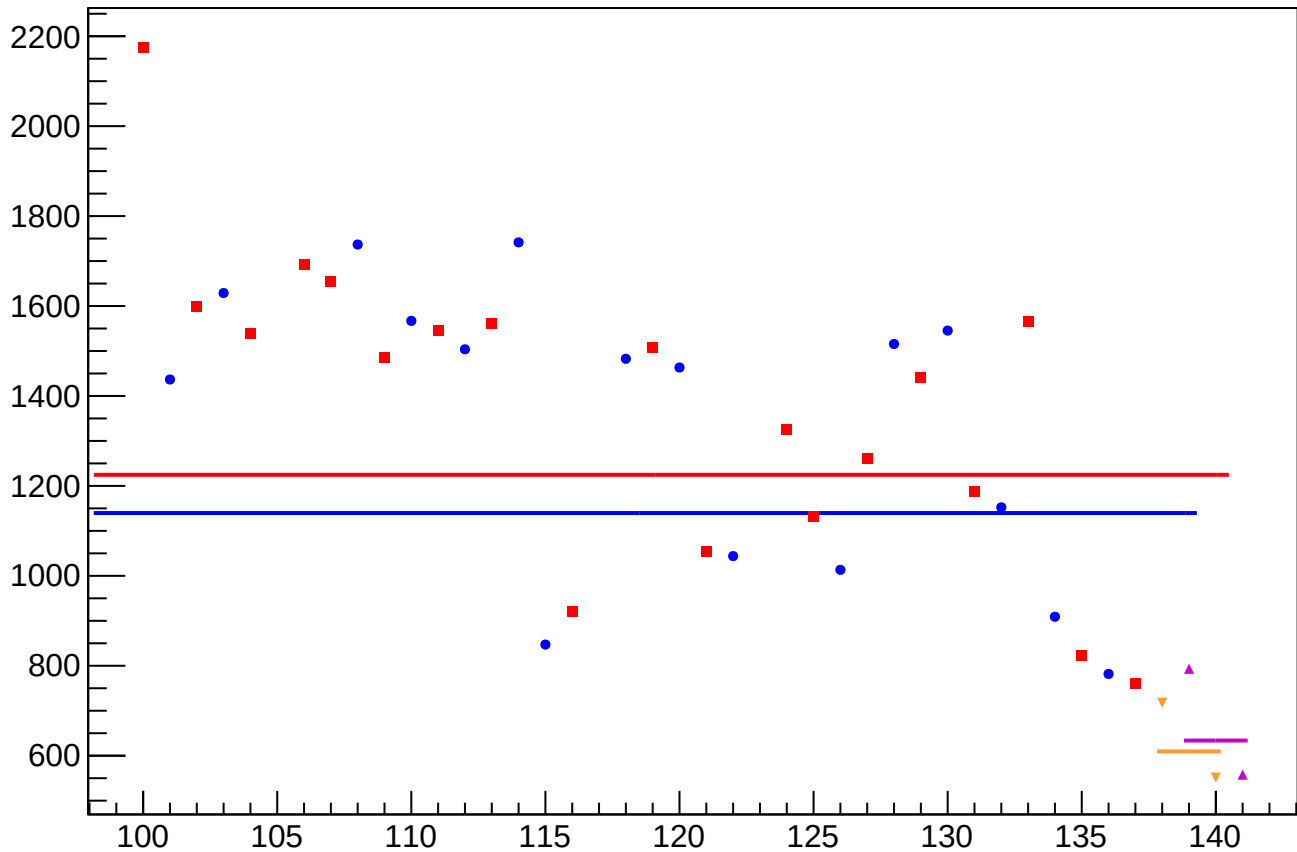
Left In: -329.991 $\pm$ 490.452 χ^2 /NDF:1.5/1

+ sign -783.393 $\pm$ 327.410 χ^2 /NDF: 21.8/17

All: -650.019 $\pm$ 234.749 χ^2 /NDF: 37.3/38

- sign -508.918 $\pm$ 336.759 χ^2 /NDF: 15.2/20

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF : 1093410.3/15

Left Out: 609.504+/-0.344 χ^2/NDF : 53253.3/1

Right Out: 1224.637+/-0.328 χ^2/NDF : 922388.4/18

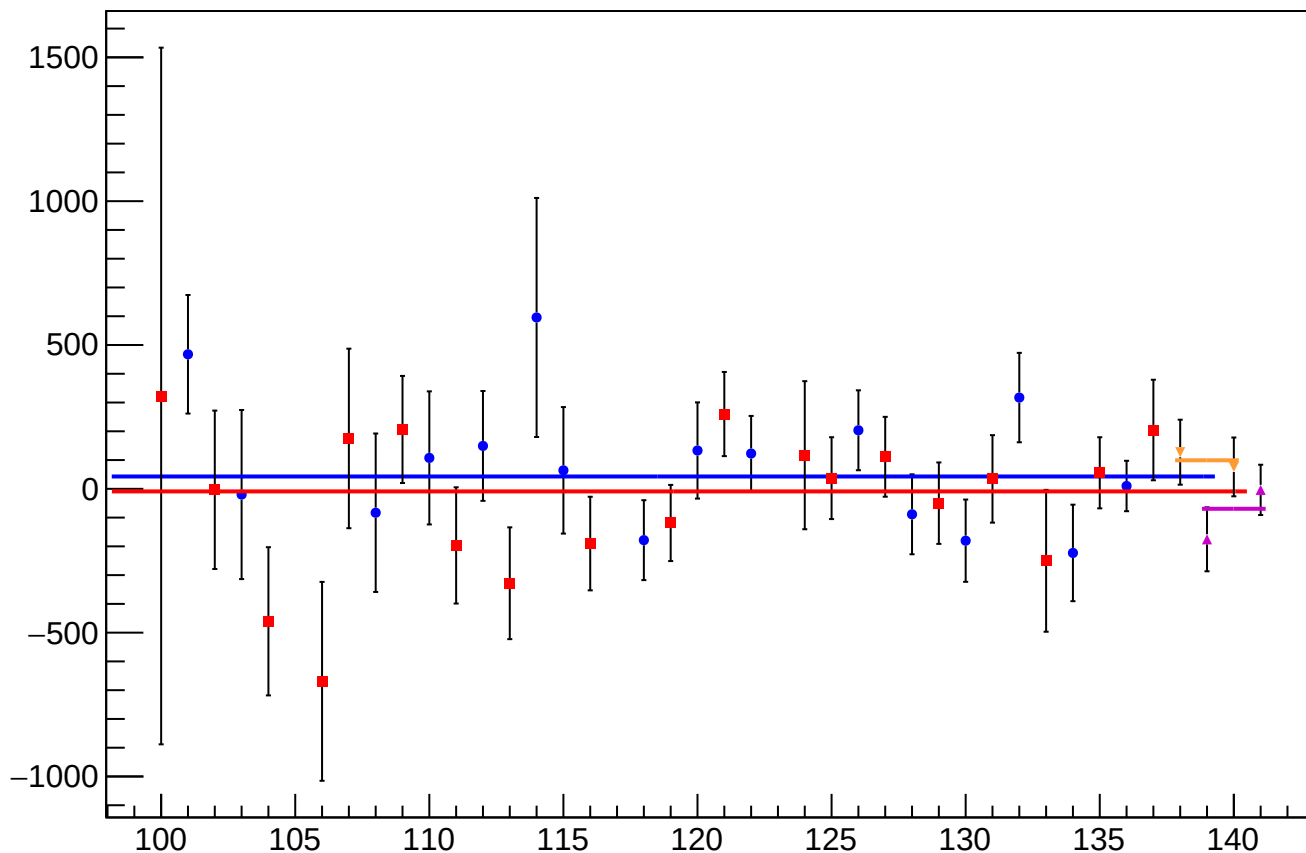
Left In: 633.724+/-0.347 χ^2/NDF : 100693.4/1

+ sign 899.451+/-0.232 χ^2/NDF : 2446086.4/17

All: 922.092+/-0.166 χ^2/NDF : 5023330.1/38

- sign 946.045+/-0.238 χ^2/NDF : 2557560.9/20

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

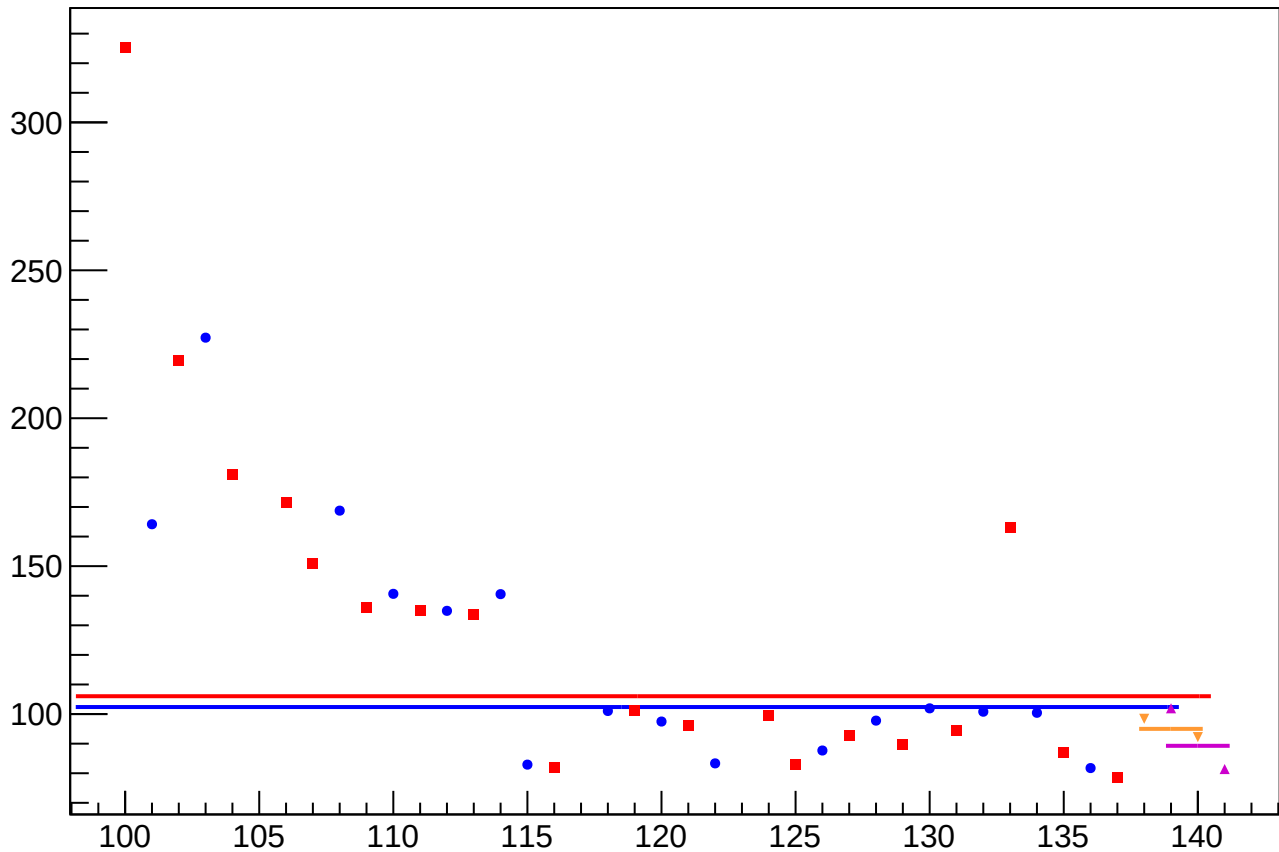
Left In: -69.391 $\pm$ 68.733 χ^2 /NDF: 1.5/1

+ sign 55.148 $\pm$ 35.341 χ^2 /NDF: 20.9/17

All: 15.034 $\pm$ 24.957 χ^2 /NDF: 46.8/38

- sign -24.873 $\pm$ 35.249 χ^2 /NDF: 23.4/20

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378 $\pm$ 0.028 χ^2 /NDF: 982307.0/15

Left Out: 95.000 $\pm$ 0.054 χ^2 /NDF:3304.6/1

Right Out: 106.032 $\pm$ 0.029 χ^2 /NDF: 1191296.9/18

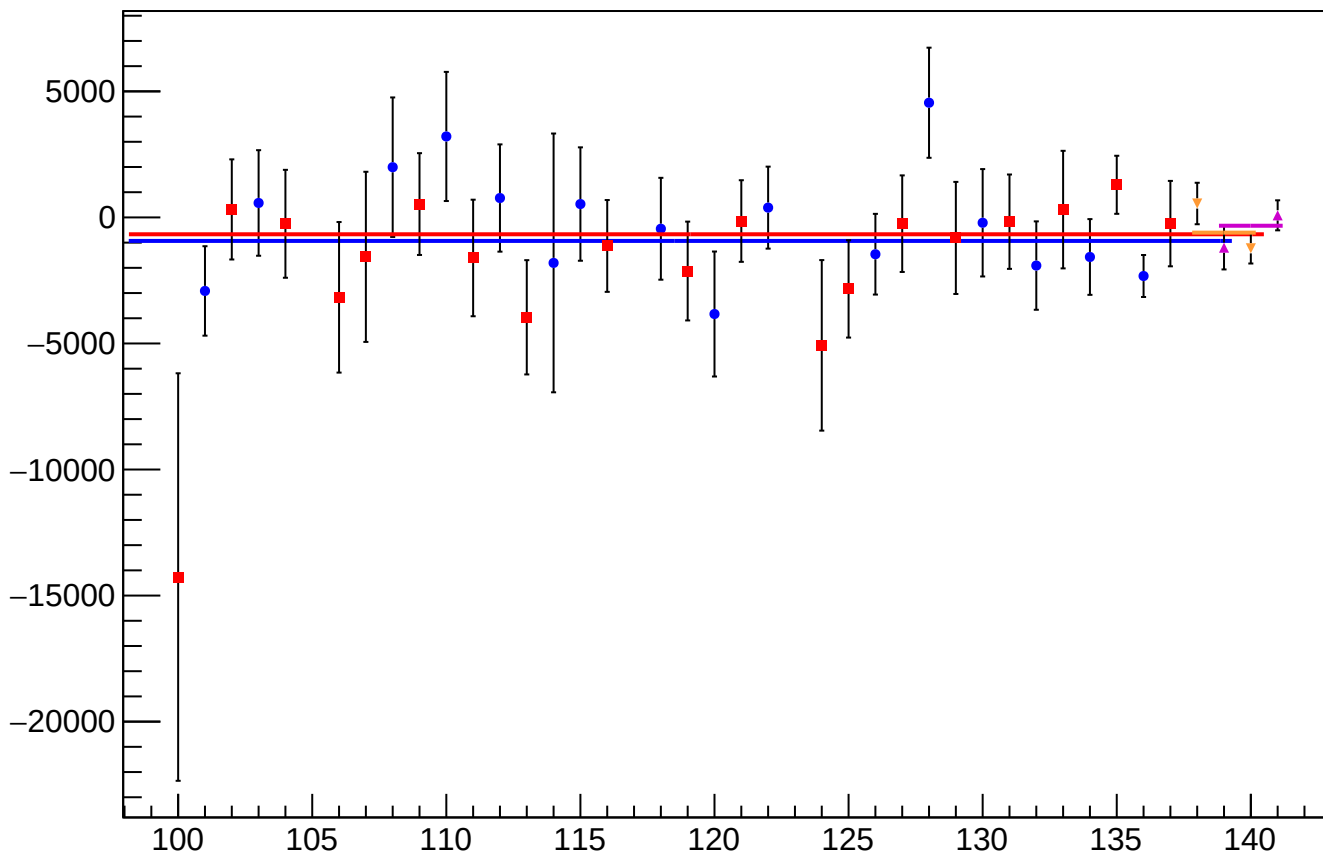
Left In: 89.272 $\pm$ 0.049 χ^2 /NDF:42154.7/1

+ sign 100.775 $\pm$ 0.025 χ^2 /NDF: 1000438.6/17

All: 101.201 $\pm$ 0.018 χ^2 /NDF: 2322118.4/38

- sign 101.624 $\pm$ 0.025 χ^2 /NDF: 1321100.4/20

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

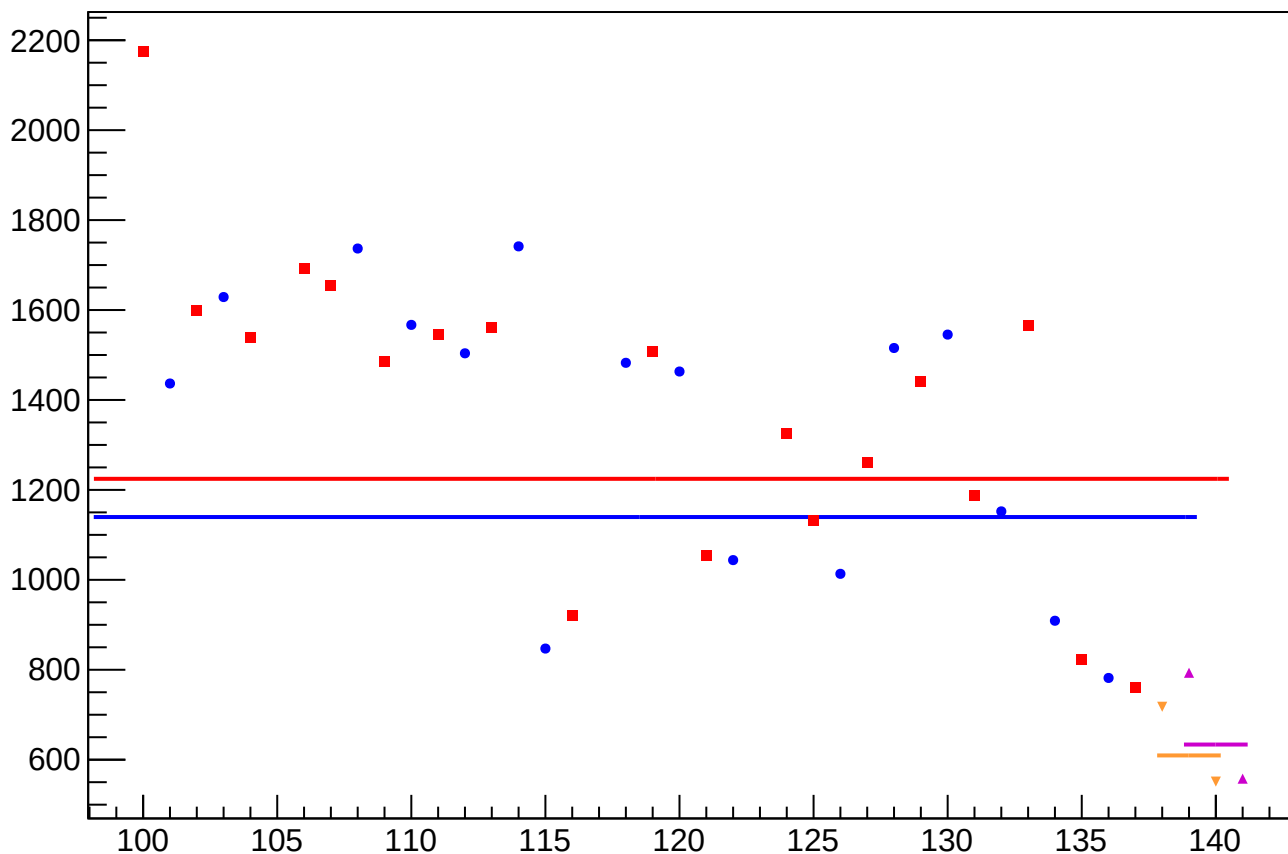
Left In: -329.993+/-490.452 χ^2/NDF : 1.5/1

+ sign -783.391+/-327.409 χ^2/NDF : 21.8/17

All: -650.018+/-234.749 χ^2/NDF : 37.3/38

- sign -508.919+/-336.759 χ^2/NDF : 15.2/20

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656 $\pm$ 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

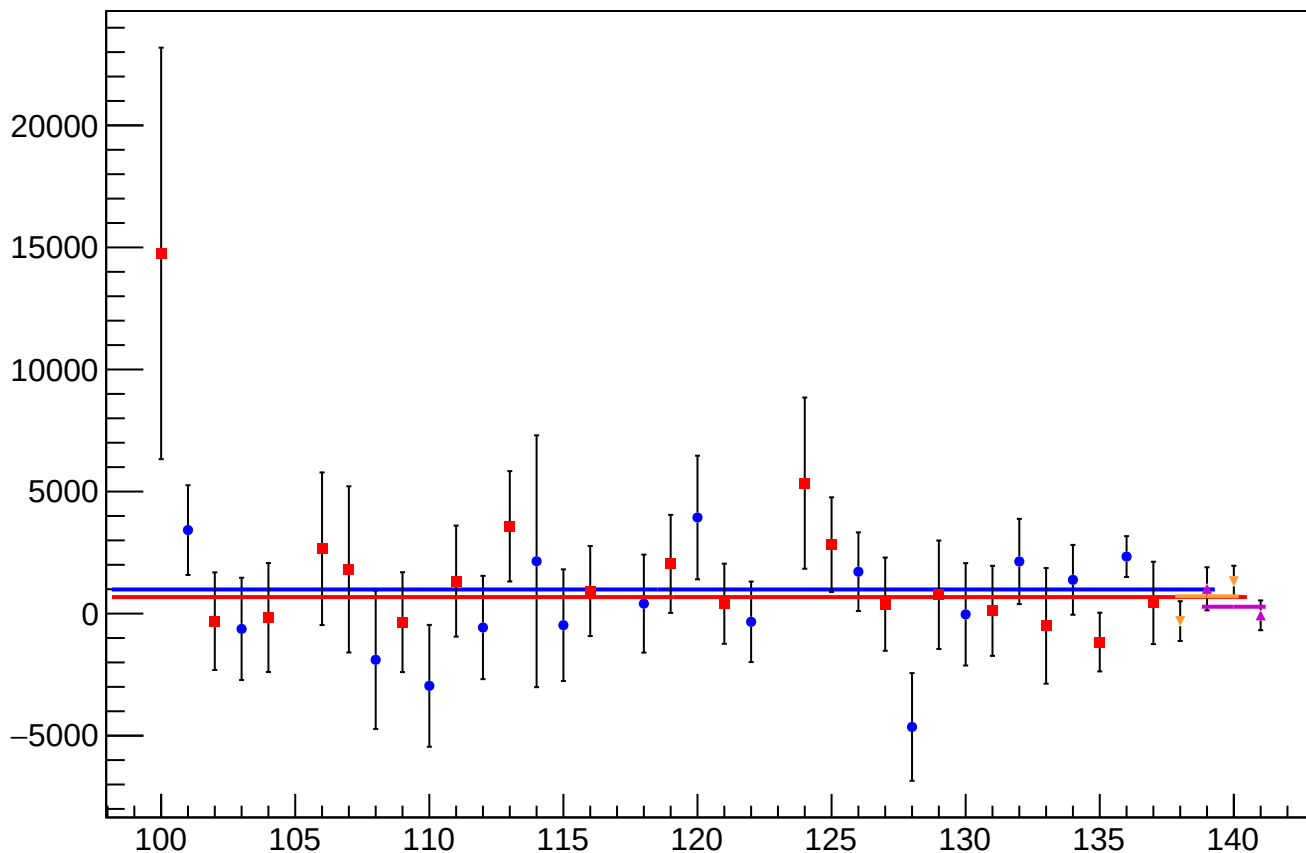
Left In: 633.724 $\pm$ 0.347 χ^2 /NDF: 100691.8/1

+ sign 899.450 $\pm$ 0.232 χ^2 /NDF: 2446071.6/17

All: 922.091 $\pm$ 0.166 χ^2 /NDF: 5023299.5/38

- sign 946.044 $\pm$ 0.238 χ^2 /NDF: 2557545.2/20

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

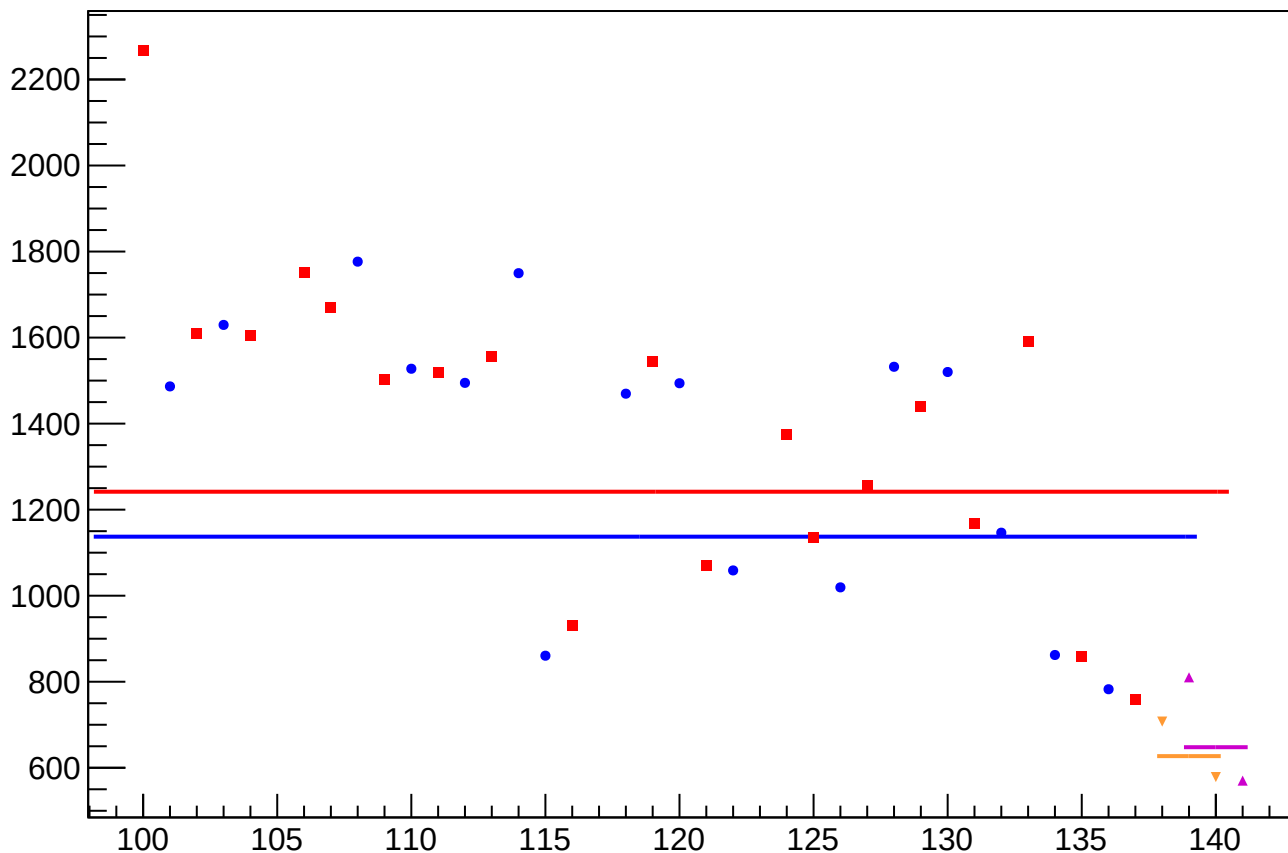
Left In: 282.033 $\pm$ 501.670 χ^2 /NDF: 1.0/1

+ sign 866.615 $\pm$ 331.594 χ^2 /NDF: 21.7/17

All: 685.975 $\pm$ 238.354 χ^2 /NDF: 35.6/38

- sign 492.857 $\pm$ 342.855 χ^2 /NDF: 13.3/20

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF : 1123685.6/15

Left Out: 627.080+/-0.354 χ^2/NDF : 31203.1/1

Right Out: 1241.709+/-0.332 χ^2/NDF : 899417.9/18

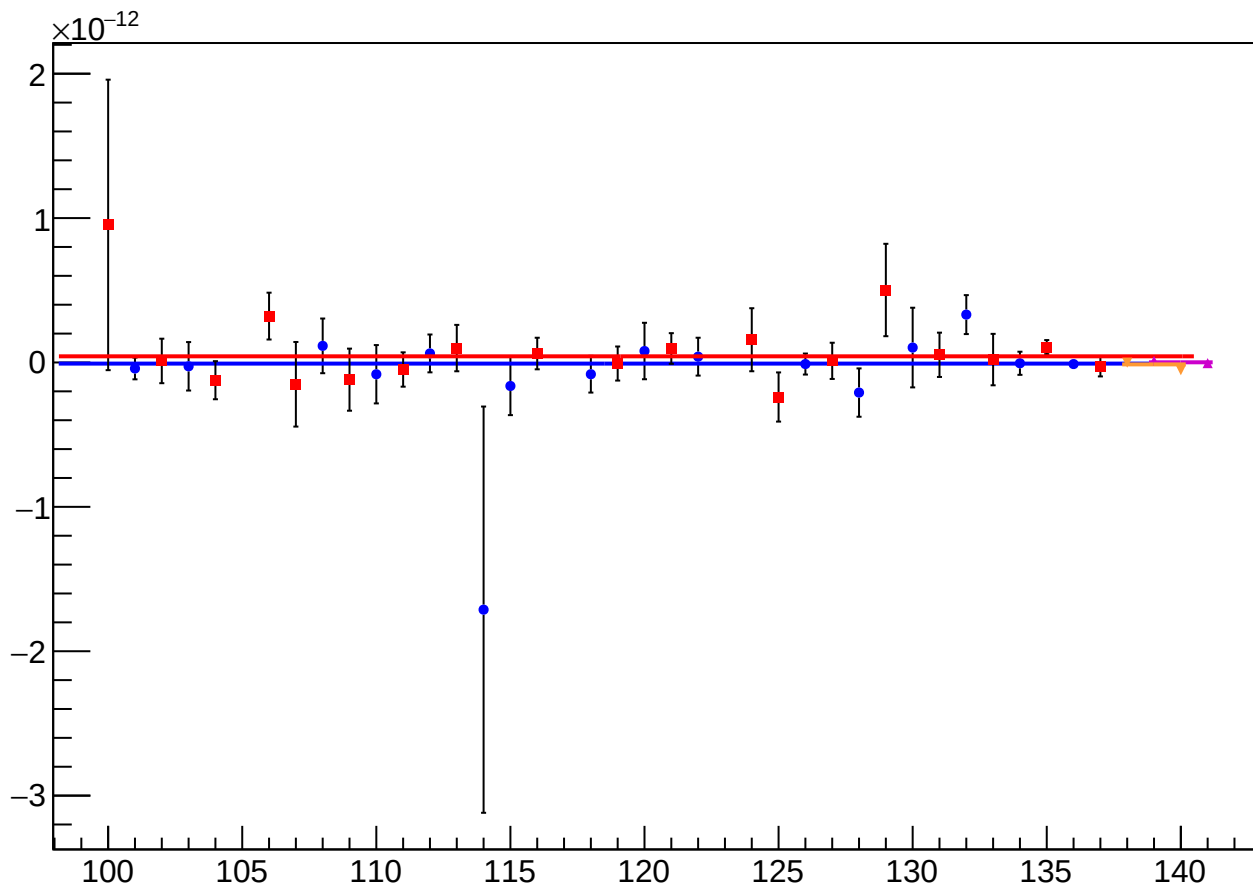
Left In: 647.816+/-0.355 χ^2/NDF : 100265.5/1

+ sign 913.374+/-0.234 χ^2/NDF : 2320562.6/17

All: 937.996+/-0.169 χ^2/NDF : 4836813.3/38

- sign 964.318+/-0.242 χ^2/NDF : 2493435.5/20

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

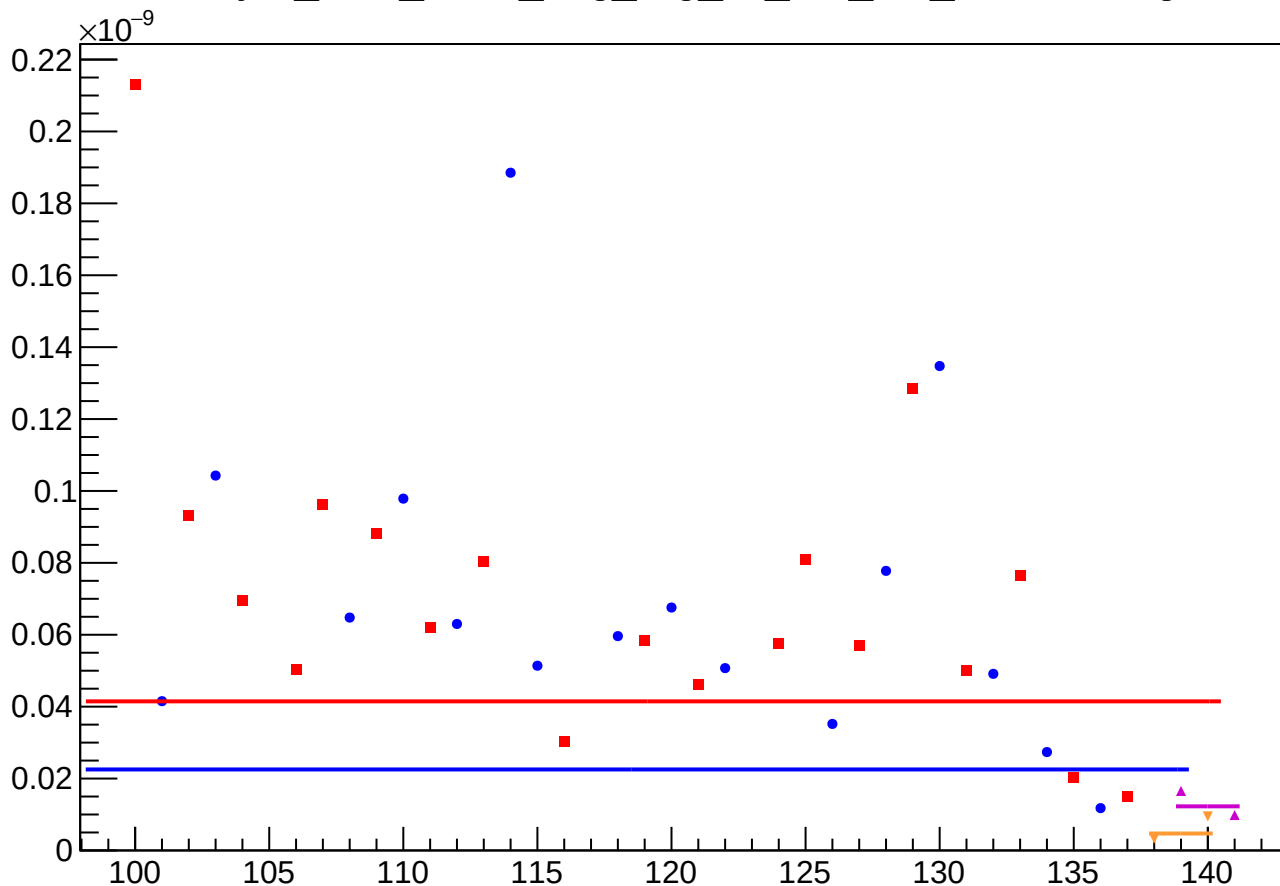
Left In: 0.000+/-0.000 χ^2/NDF : 0.2/1

+ sign -0.000+/-0.000 χ^2/NDF : 18.5/17

All: -0.000+/-0.000 χ^2/NDF : 38.4/38

- sign 0.000+/-0.000 χ^2/NDF : 17.5/20

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 183099.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 1847735.6/18

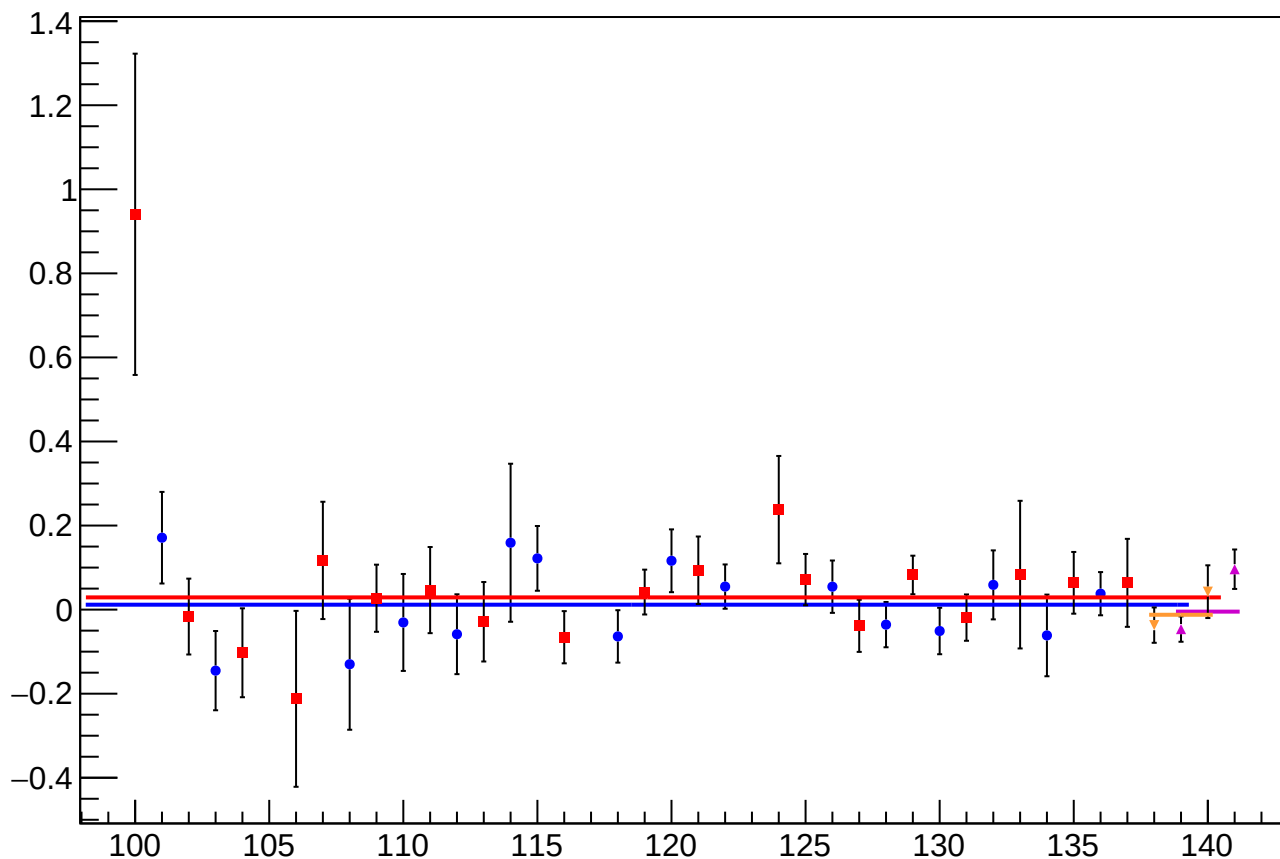
Left In: 0.000+/-0.000 χ^2/NDF : 79975.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 4730181.9/17

All: 0.000+/-0.000 χ^2/NDF : 9465689.9/38

- sign 0.000+/-0.000 χ^2/NDF : 3648145.9/20

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 $\chi^2/\text{NDF}: 16.9/15$

Left Out: -0.012 ± 0.035 $\chi^2/\text{NDF}: 1.1/1$

Right Out: 0.029 ± 0.018 $\chi^2/\text{NDF}: 19.5/18$

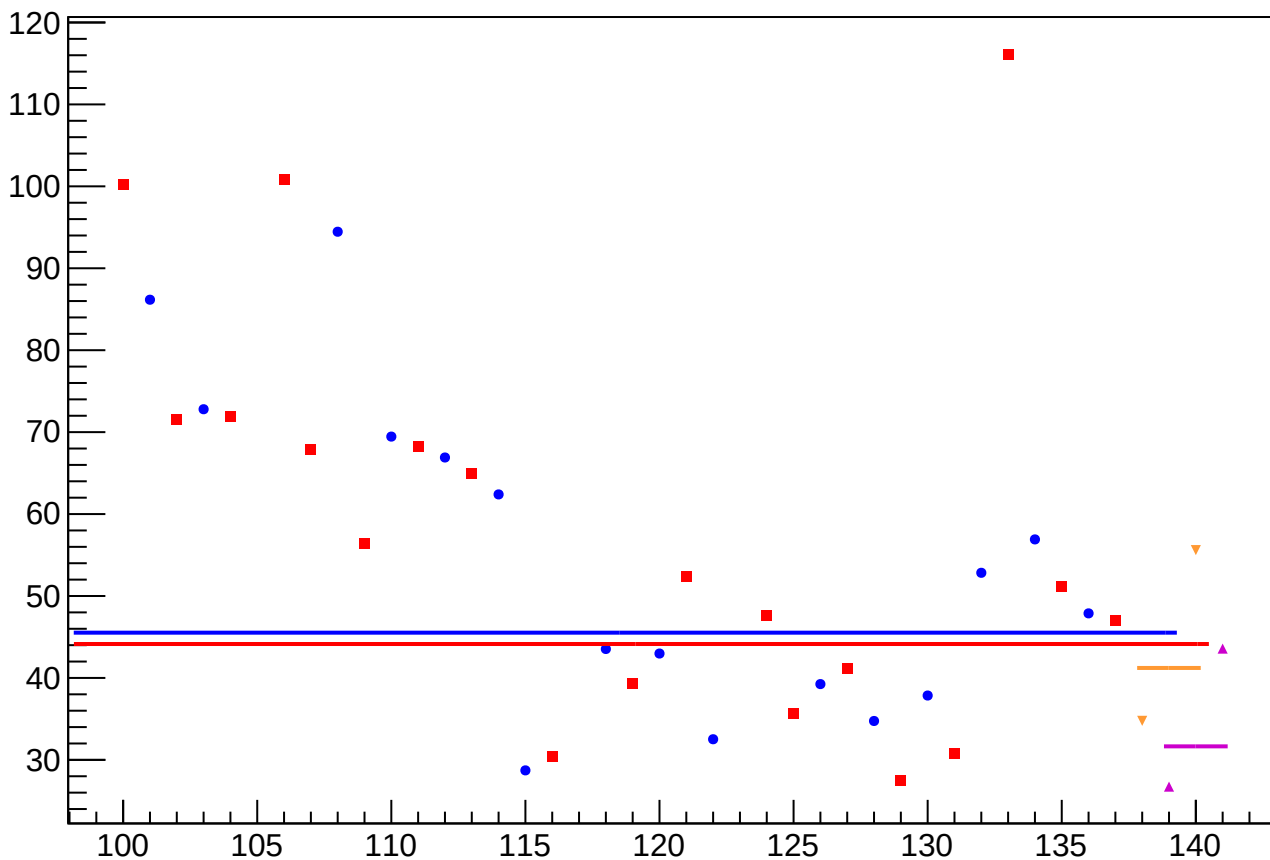
Left In: -0.005 ± 0.025 $\chi^2/\text{NDF}: 6.5/1$

+ sign 0.007 ± 0.016 $\chi^2/\text{NDF}: 18.3/17$

All: 0.013 ± 0.011 $\chi^2/\text{NDF}: 45.9/38$

- sign 0.018 ± 0.015 $\chi^2/\text{NDF}: 27.3/20$

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

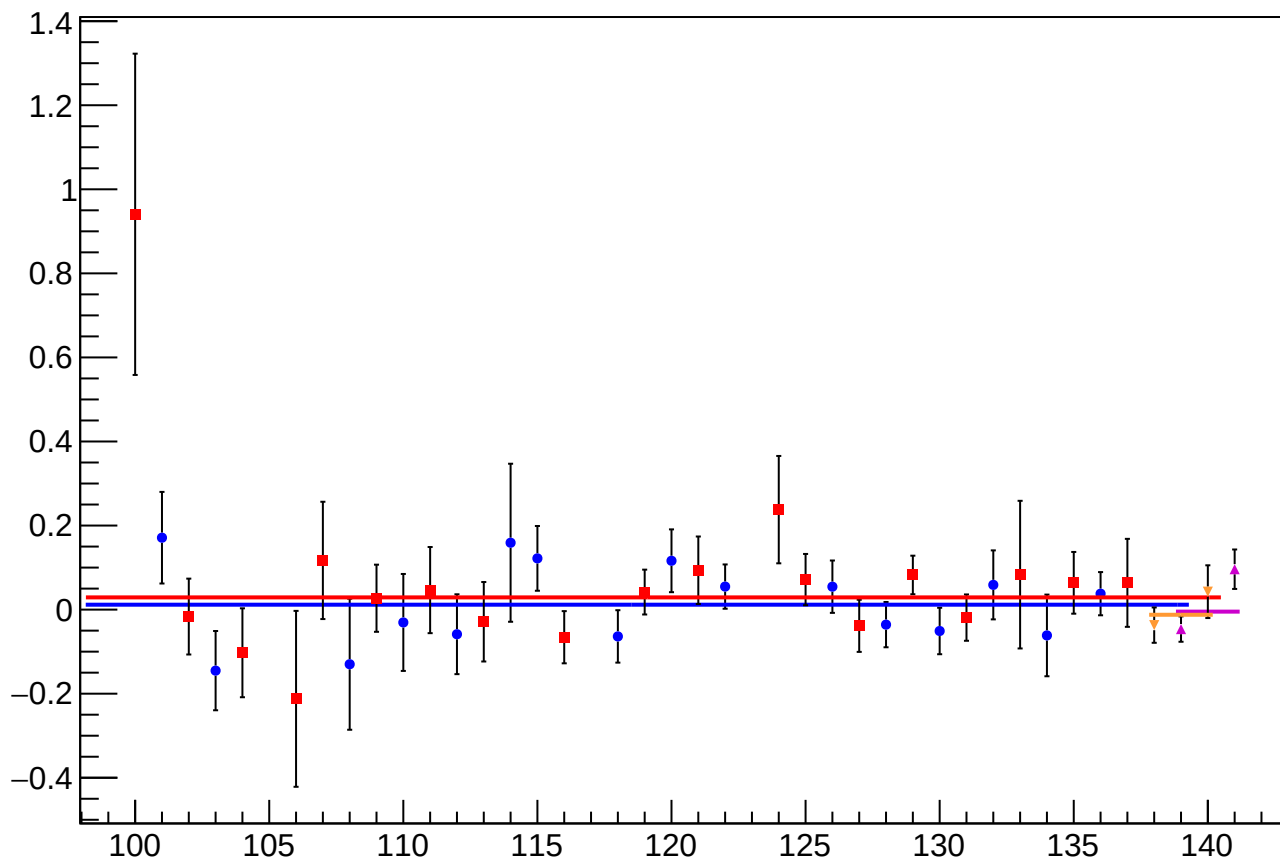
Left In: 31.649 $\pm$ 0.018 χ^2 /NDF: 182608.8/1

+ sign 44.595 $\pm$ 0.011 χ^2 /NDF: 1430128.7/17

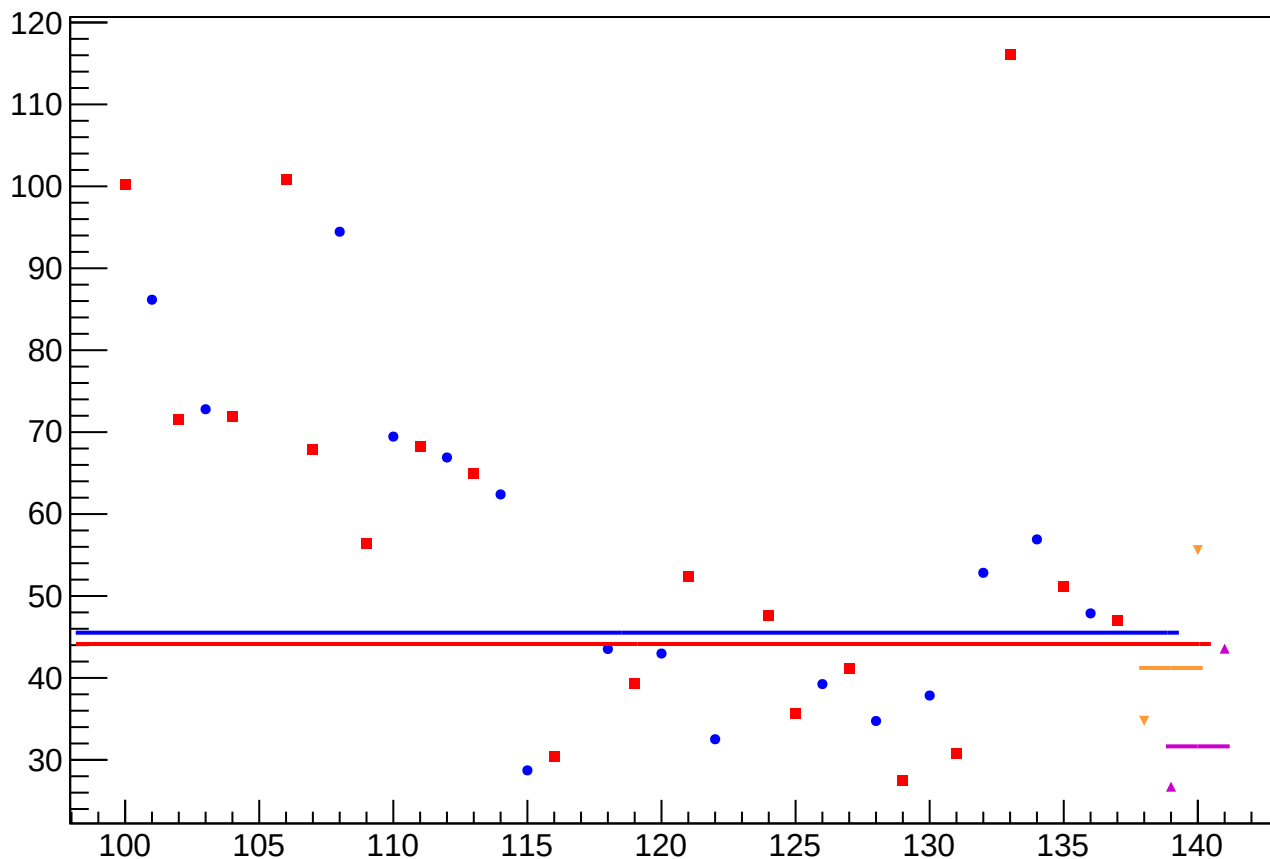
All: 42.052 $\pm$ 0.008 χ^2 /NDF: 3769670.1/38

- sign 39.988 $\pm$ 0.010 χ^2 /NDF: 2250479.6/20

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



asym_sam_3726_avg_dit_vs_eigen_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

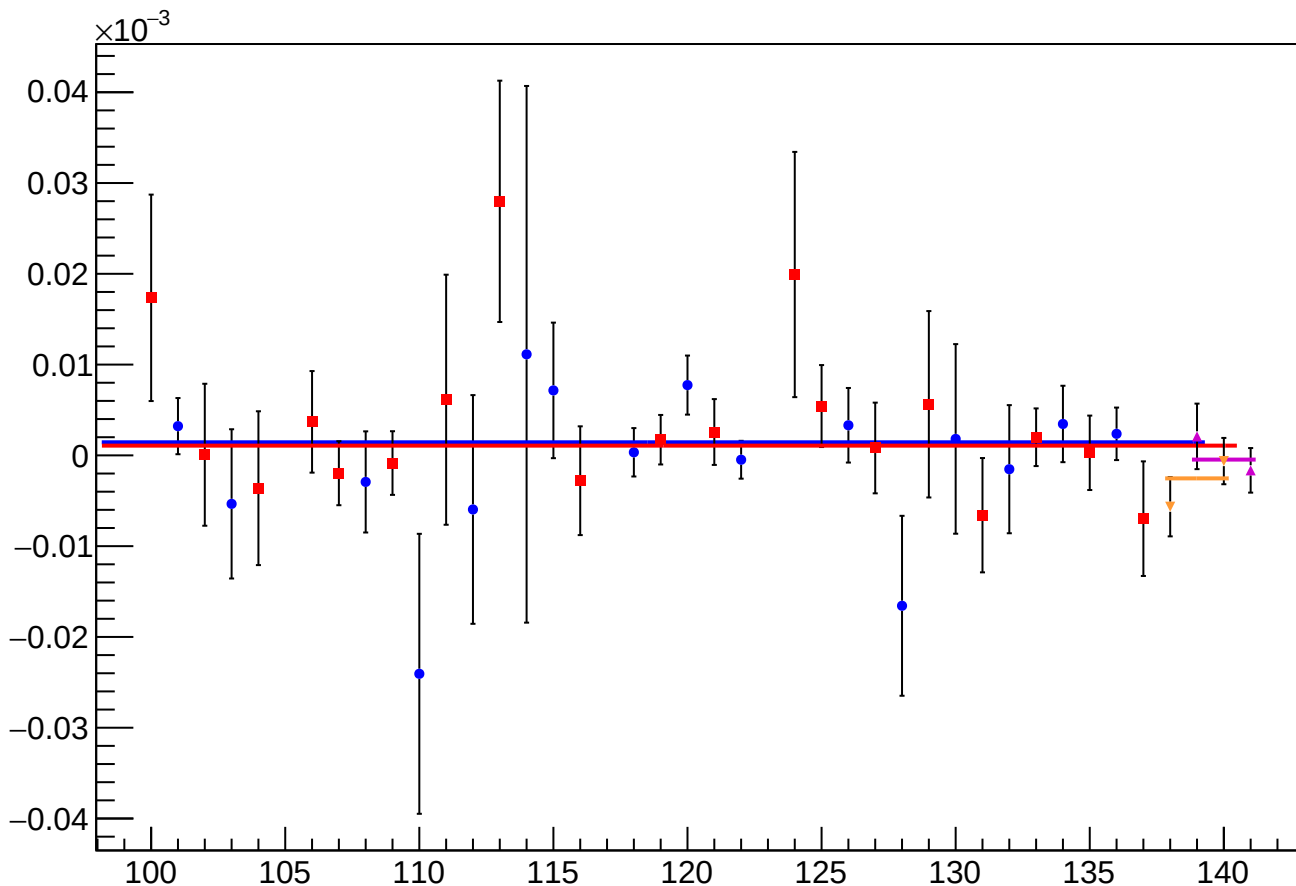
Left In: 31.649 $\pm$ 0.018 χ^2 /NDF: 182608.8/1

+ sign 44.595 $\pm$ 0.011 χ^2 /NDF: 1430128.7/17

All: 42.052 $\pm$ 0.008 χ^2 /NDF: 3769670.1/38

- sign 39.988 $\pm$ 0.010 χ^2 /NDF: 2250479.6/20

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF : 1.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 14.8/18

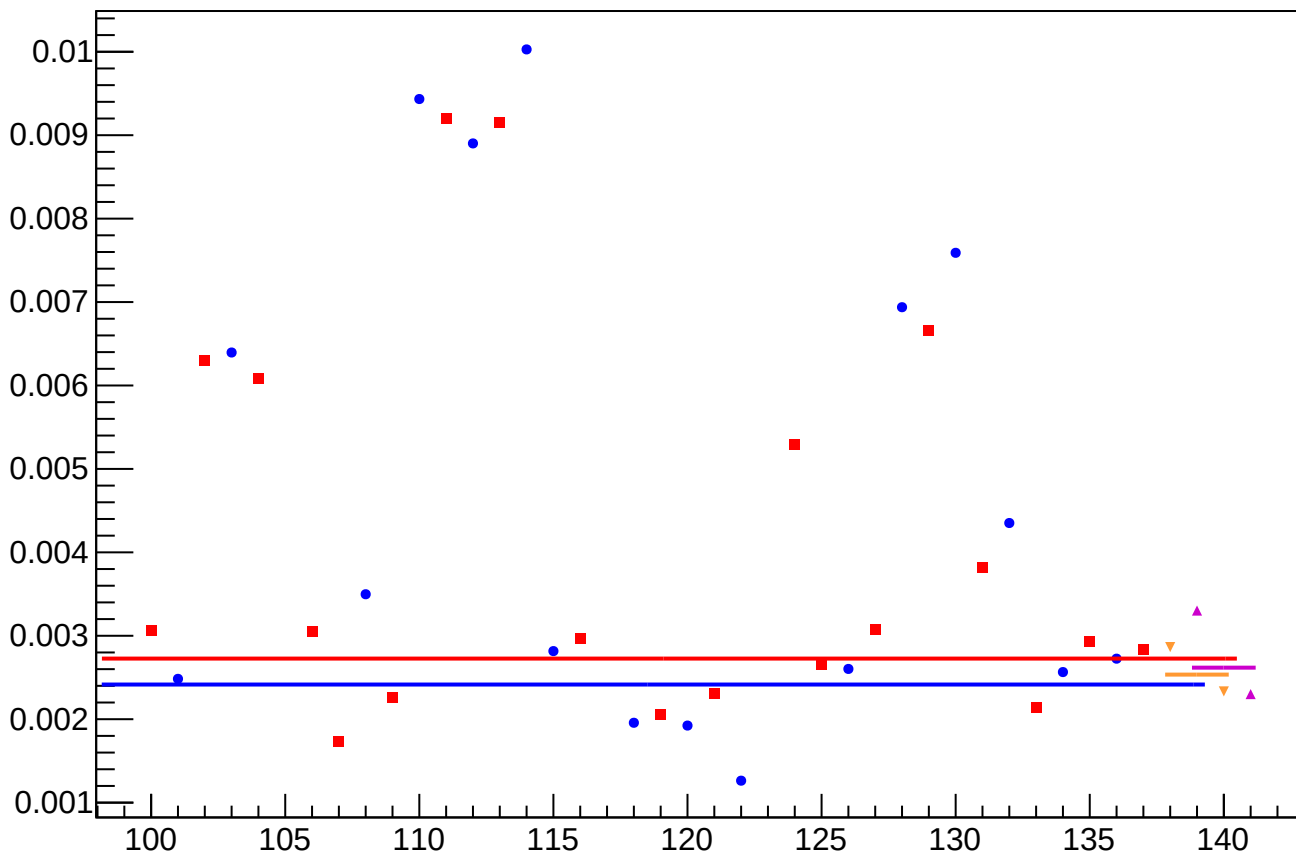
Left In: -0.000+/-0.000 χ^2/NDF : 0.7/1

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

All: 0.000+/-0.000 χ^2/NDF : 34.7/38

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

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3432108.8/15

Left Out: 0.003+/-0.000 χ^2/NDF :32918.9/1

Right Out: 0.003+/-0.000 χ^2/NDF : 2505080.1/18

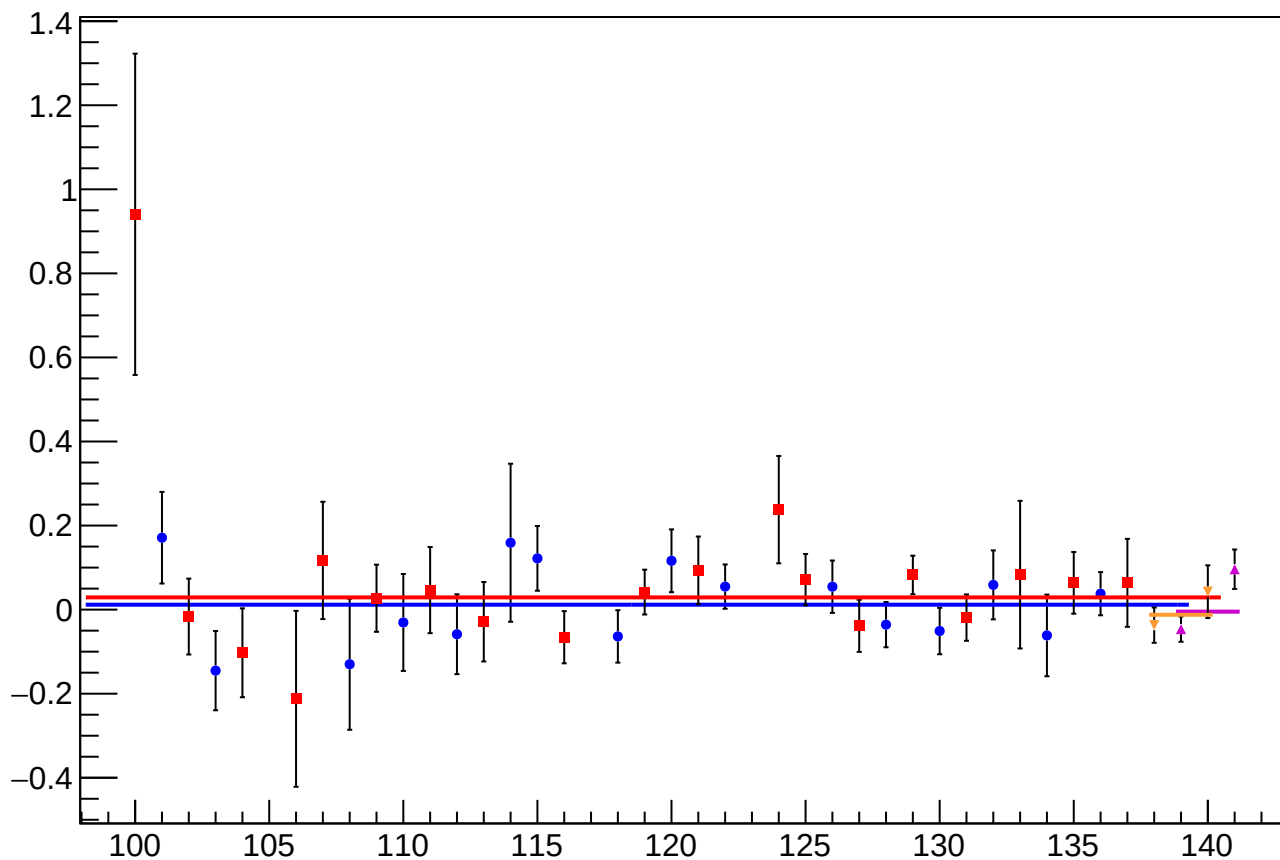
Left In: 0.003+/-0.000 χ^2/NDF :105240.3/1

+ sign 0.002+/-0.000 χ^2/NDF : 3470557.1/17

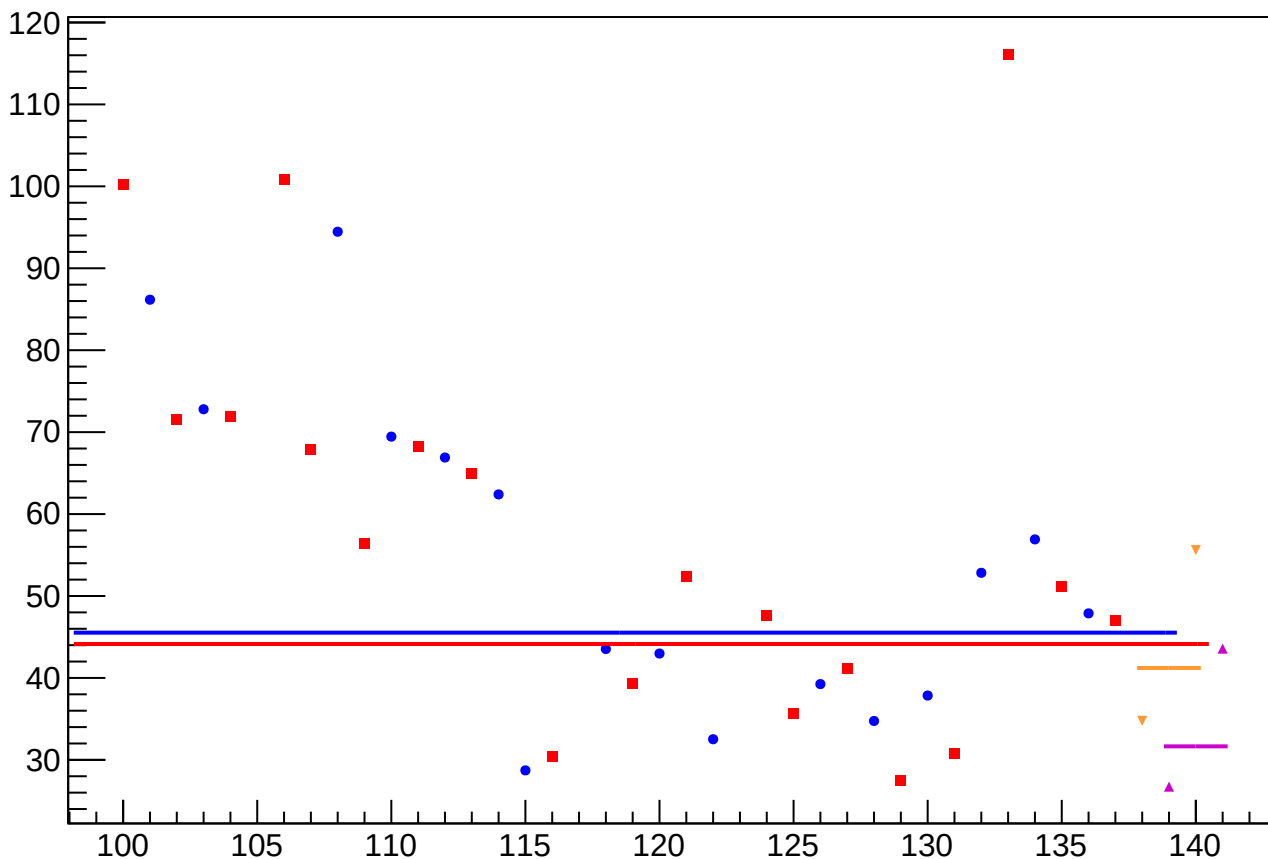
All: 0.003+/-0.000 χ^2/NDF : 6159787.3/38

- sign 0.003+/-0.000 χ^2/NDF : 2614722.4/20

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.525 $\pm$ 0.013 χ^2 /NDF: 1253922.0/15

Left Out: 41.218 $\pm$ 0.025 χ^2 /NDF: 152310.9/1

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743351.0/18

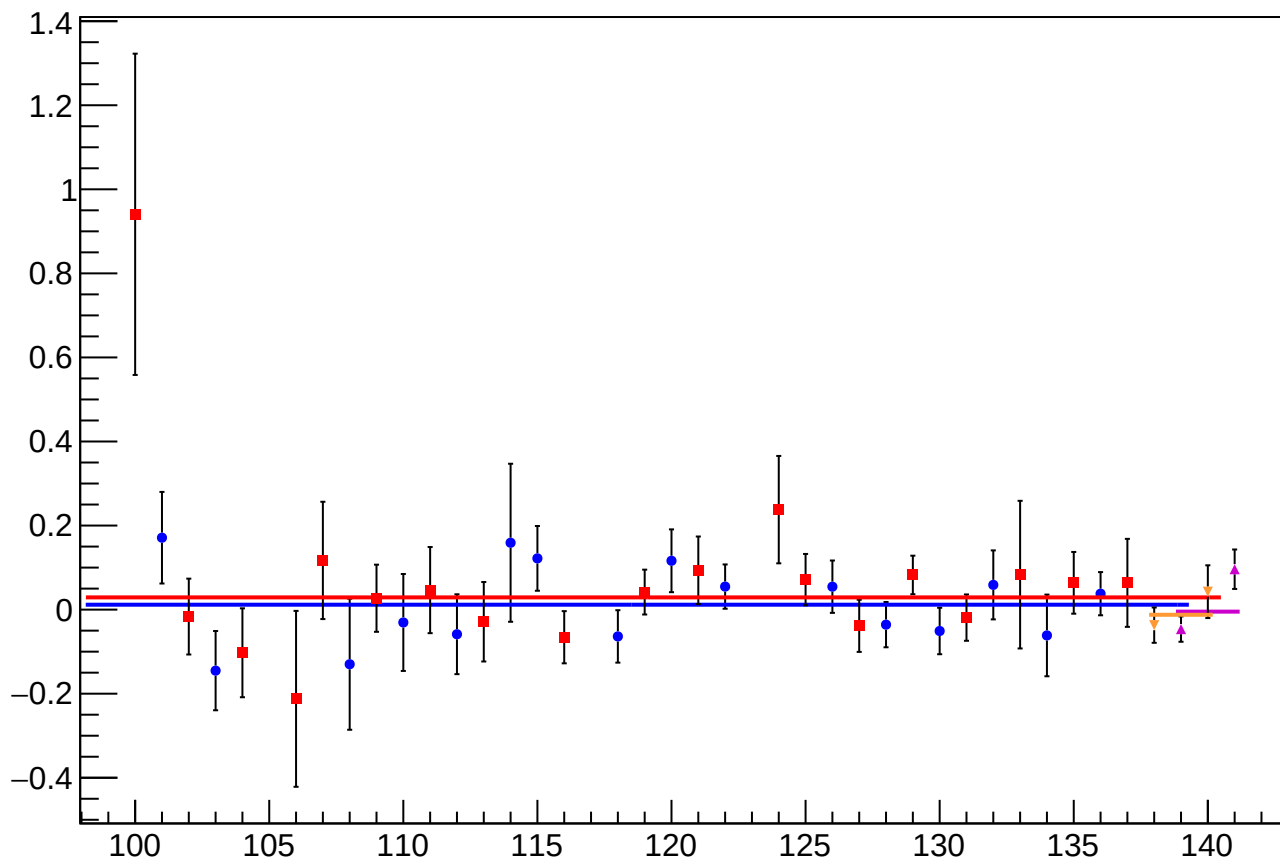
Left In: 31.649 $\pm$ 0.018 χ^2 /NDF: 182617.4/1

+ sign 44.595 $\pm$ 0.011 χ^2 /NDF: 1430094.8/17

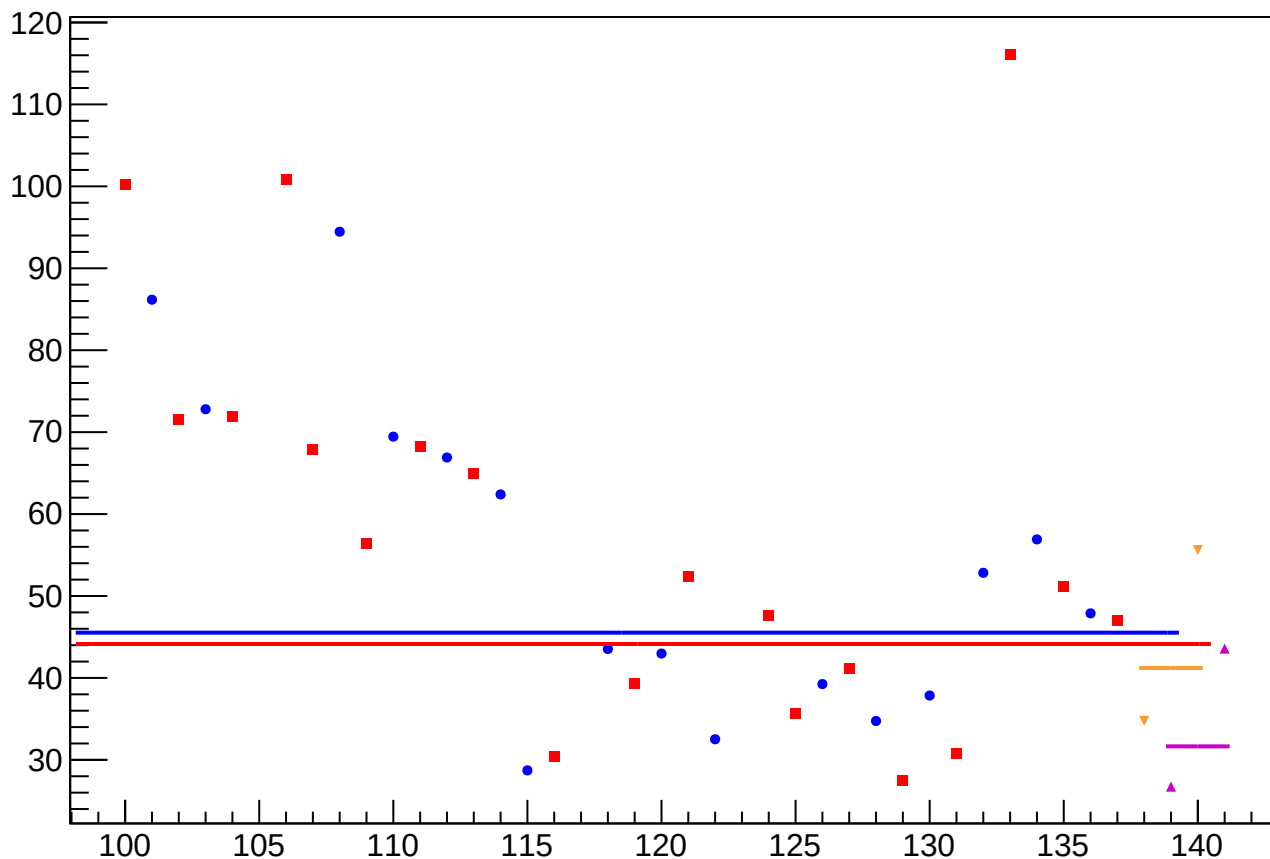
All: 42.052 $\pm$ 0.008 χ^2 /NDF: 3769562.8/38

- sign 39.989 $\pm$ 0.010 χ^2 /NDF: 2250419.0/20

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525 $\pm$ 0.013 χ^2 /NDF: 1253922.0/15

Left Out: 41.218 $\pm$ 0.025 χ^2 /NDF: 152310.9/1

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743351.0/18

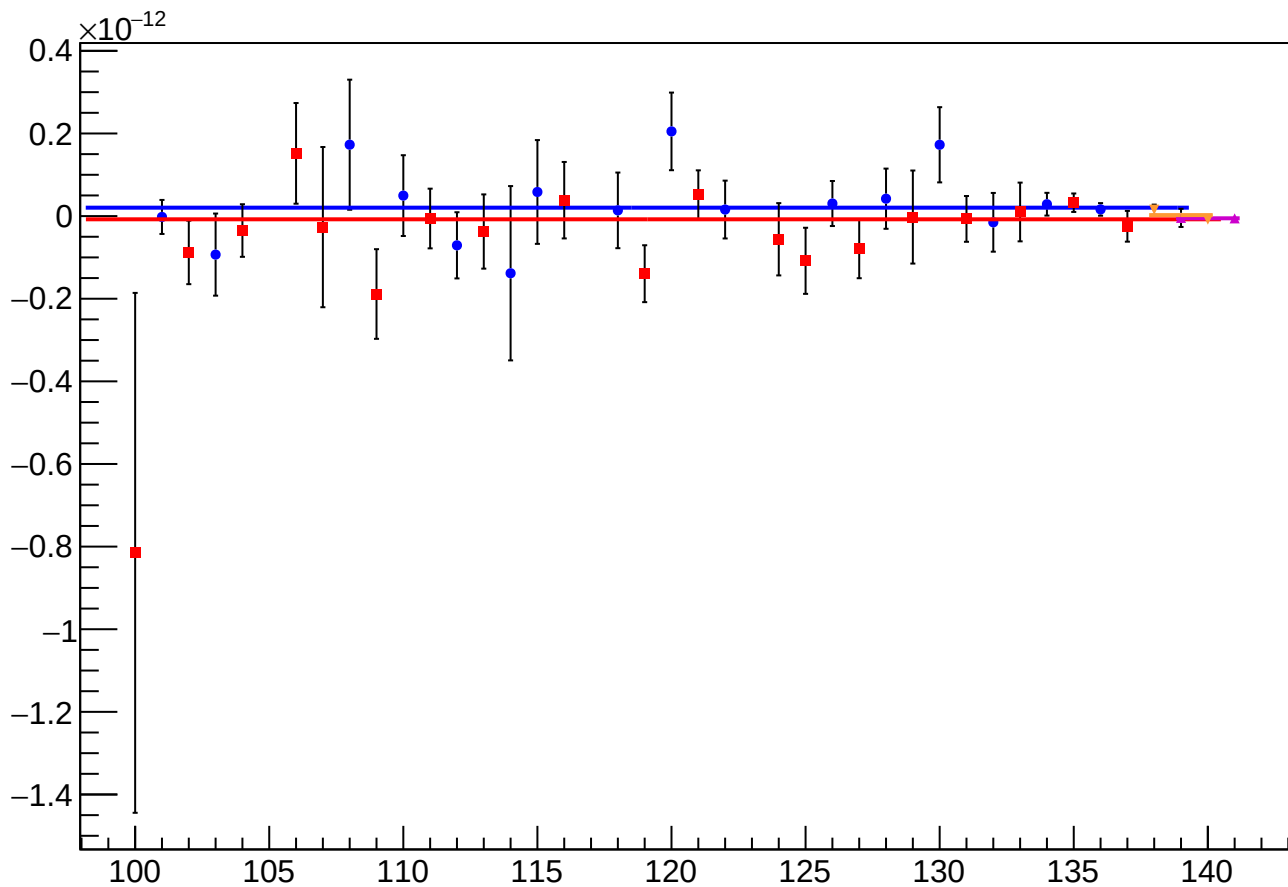
Left In: 31.649 $\pm$ 0.018 χ^2 /NDF: 182617.4/1

+ sign 44.595 $\pm$ 0.011 χ^2 /NDF: 1430094.8/17

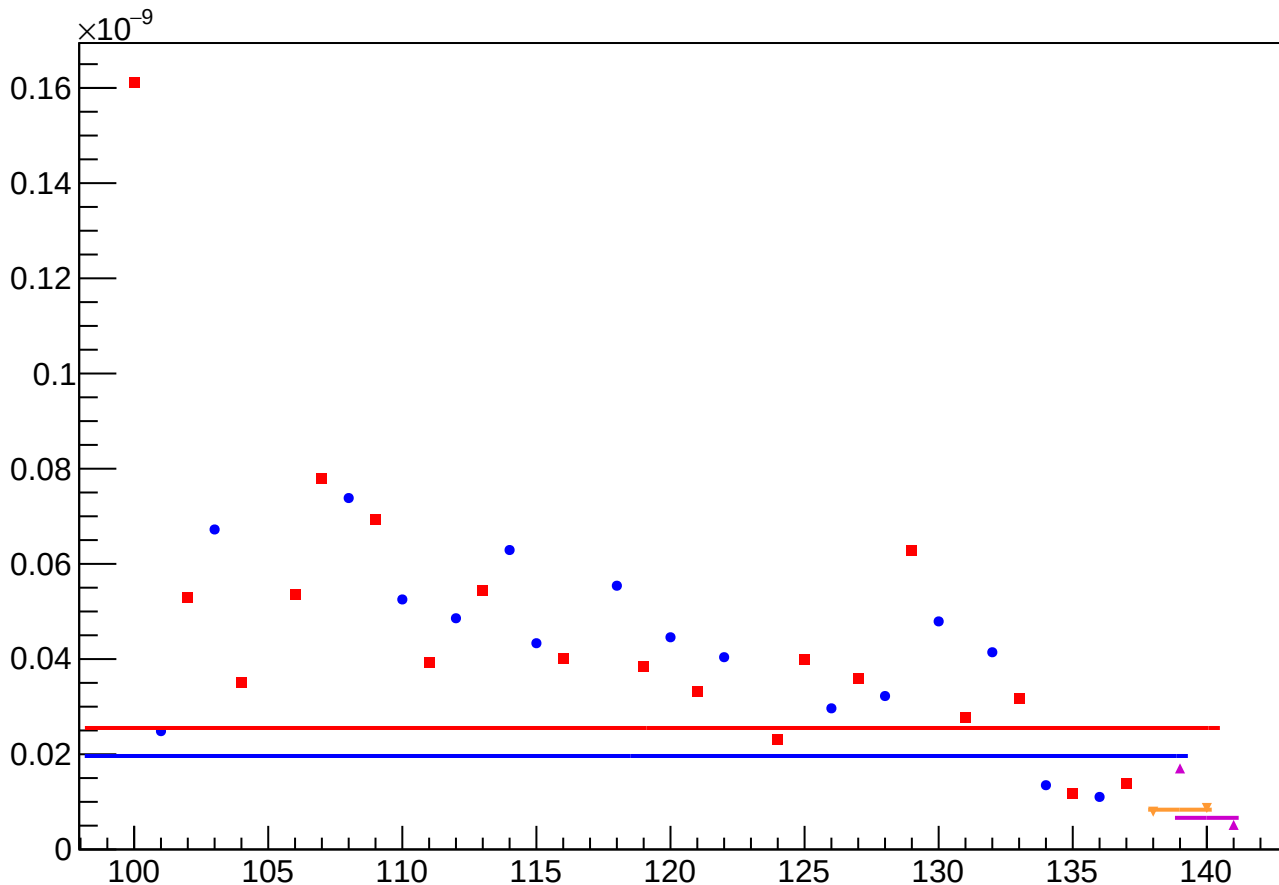
All: 42.052 $\pm$ 0.008 χ^2 /NDF: 3769562.8/38

- sign 39.989 $\pm$ 0.010 χ^2 /NDF: 2250419.0/20

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

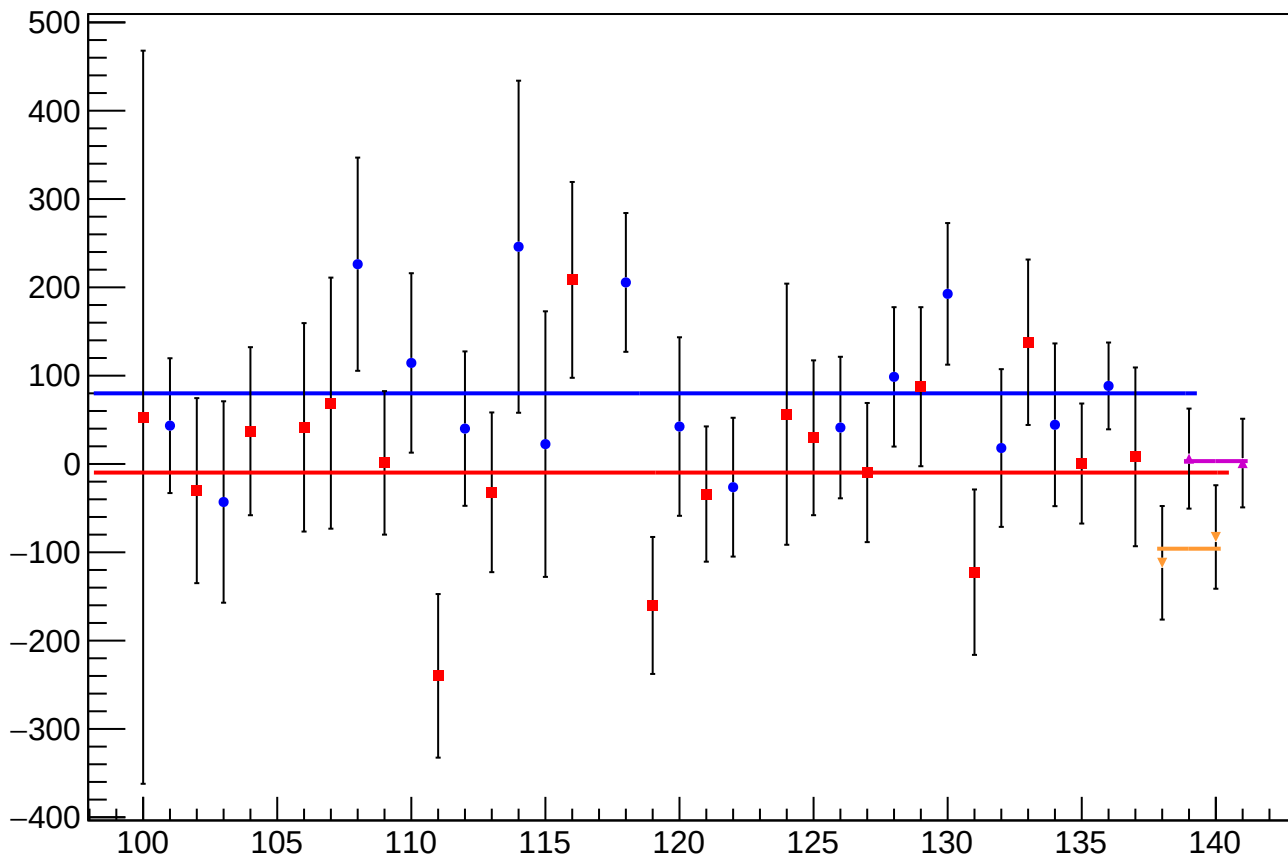
Left In: 0.000+/-0.000 χ^2/NDF : 510571.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 4560962.1/17

All: 0.000+/-0.000 χ^2/NDF : 10678438.6/38

- sign 0.000+/-0.000 χ^2/NDF : 6089592.5/20

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

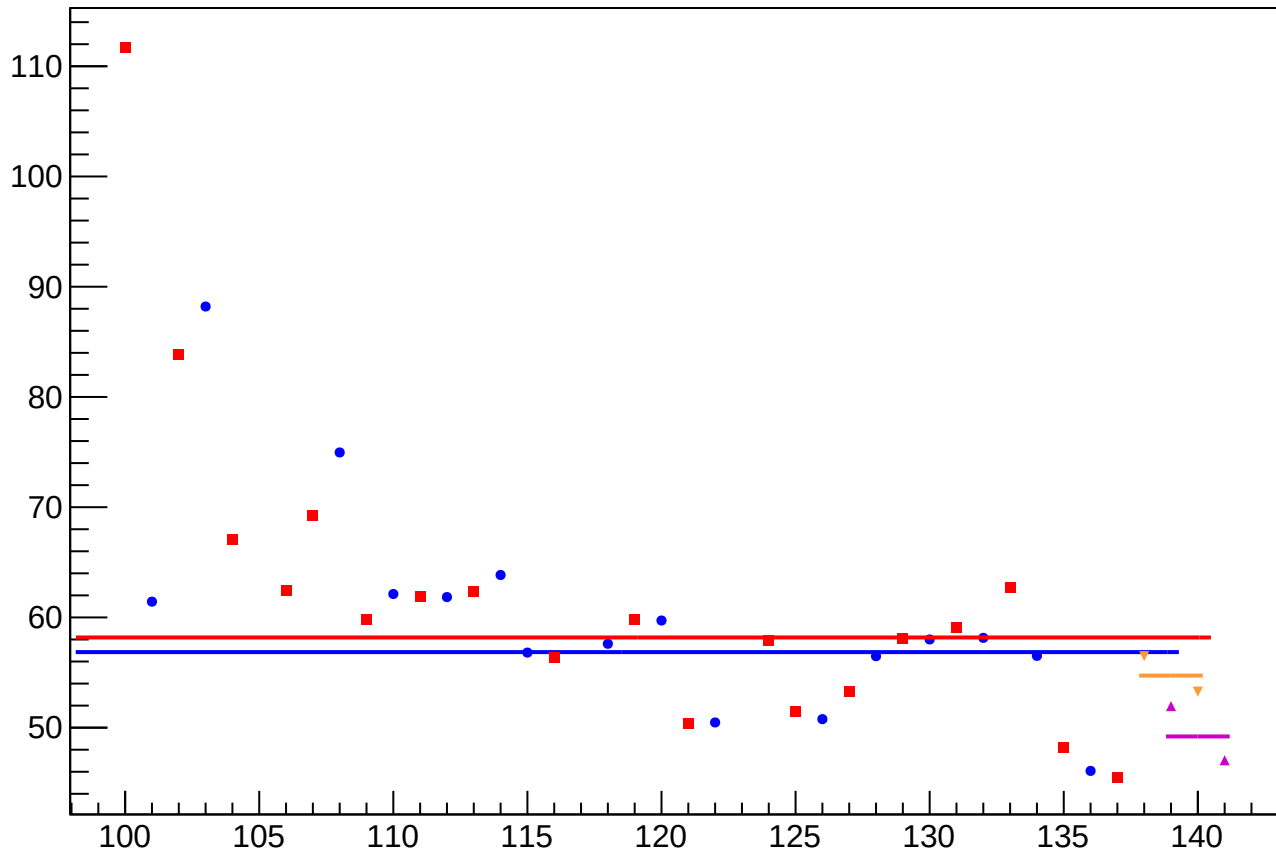
Left In: 3.255 $\pm$ 37.553 χ^2 /NDF: 0.0/1

+ sign 45.283 $\pm$ 19.240 χ^2 /NDF: 24.9/17

All: 18.705 $\pm$ 13.422 χ^2 /NDF: 49.1/38

- sign -6.498 $\pm$ 18.735 χ^2 /NDF: 20.4/20

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341601.2/15

Left Out: 54.726 $\pm$ 0.031 χ^2 /NDF:2729.1/1

Right Out: 58.181 $\pm$ 0.015 χ^2 /NDF: 314660.6/18

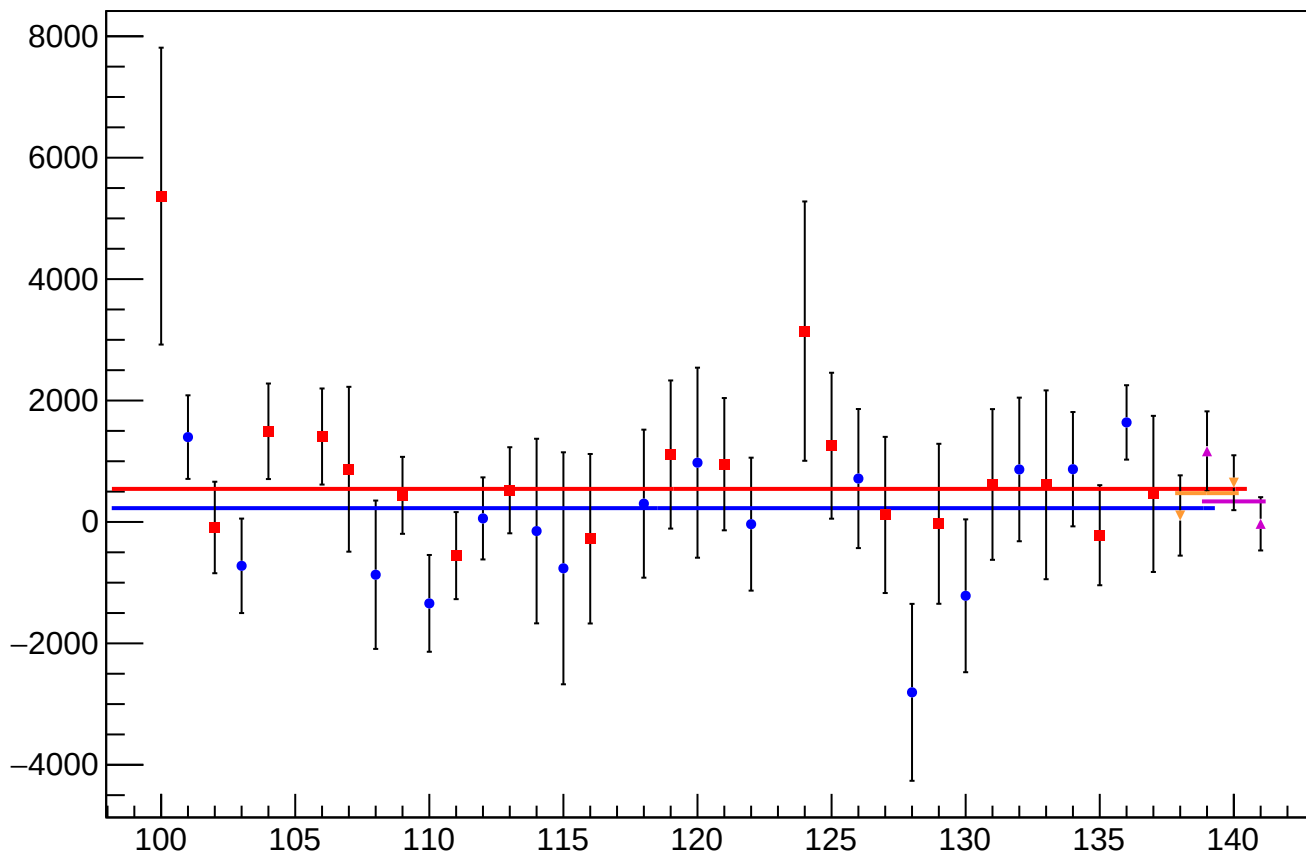
Left In: 49.203 $\pm$ 0.027 χ^2 /NDF:8436.6/1

+ sign 56.434 $\pm$ 0.014 χ^2 /NDF: 348206.9/17

All: 56.184 $\pm$ 0.009 χ^2 /NDF: 757834.7/38

- sign 55.947 $\pm$ 0.013 χ^2 /NDF: 408968.6/20

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF : 21.6/15

Left Out: 474.573+/-373.181 χ^2/NDF : 0.5/1

Right Out: 544.769+/-227.243 χ^2/NDF : 13.4/18

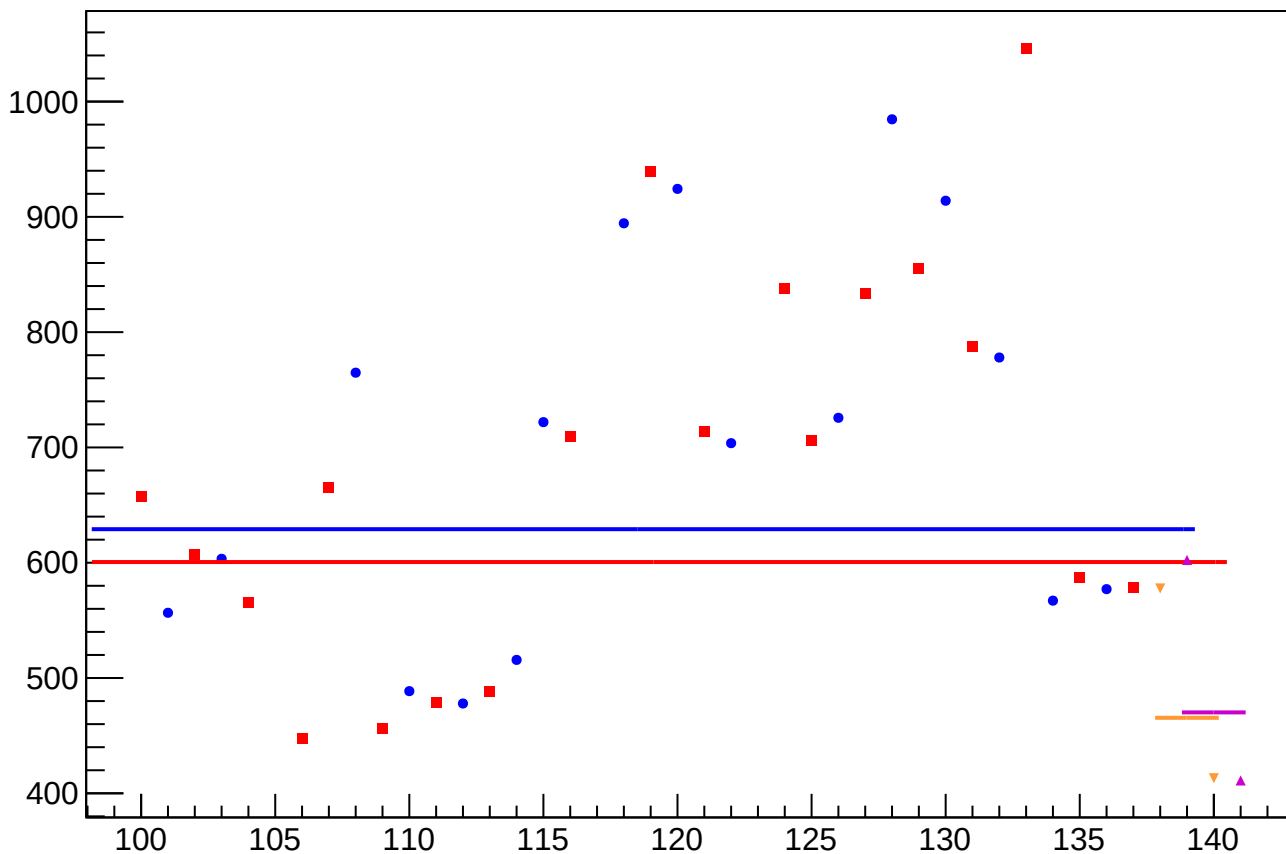
Left In: 338.471+/-364.991 χ^2/NDF : 2.3/1

+ sign 300.318+/-202.586 χ^2/NDF : 22.4/17

All: 398.298+/-139.703 χ^2/NDF : 38.7/38

- sign 487.141+/-192.909 χ^2/NDF : 15.9/20

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096 $\pm$ 0.171 χ^2 /NDF: 692724.2/15

Left Out: 465.500 $\pm$ 0.264 χ^2 /NDF: 84448.7/1

Right Out: 600.593 $\pm$ 0.161 χ^2 /NDF: 874614.2/18

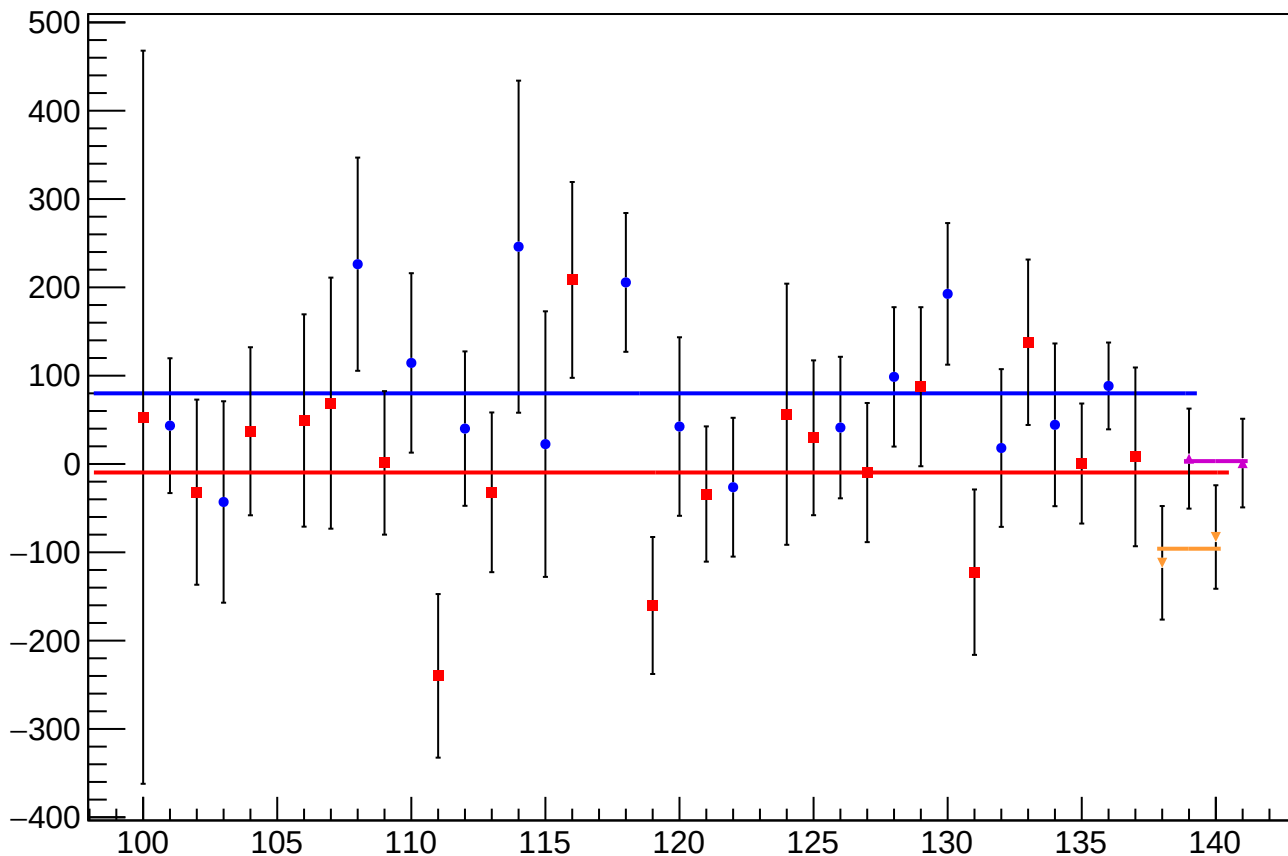
Left In: 470.178 $\pm$ 0.258 χ^2 /NDF: 117128.4/1

+ sign 580.884 $\pm$ 0.143 χ^2 /NDF: 1048261.2/17

All: 572.114 $\pm$ 0.099 χ^2 /NDF: 2231163.3/38

- sign 564.162 $\pm$ 0.136 χ^2 /NDF: 1175755.7/20

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

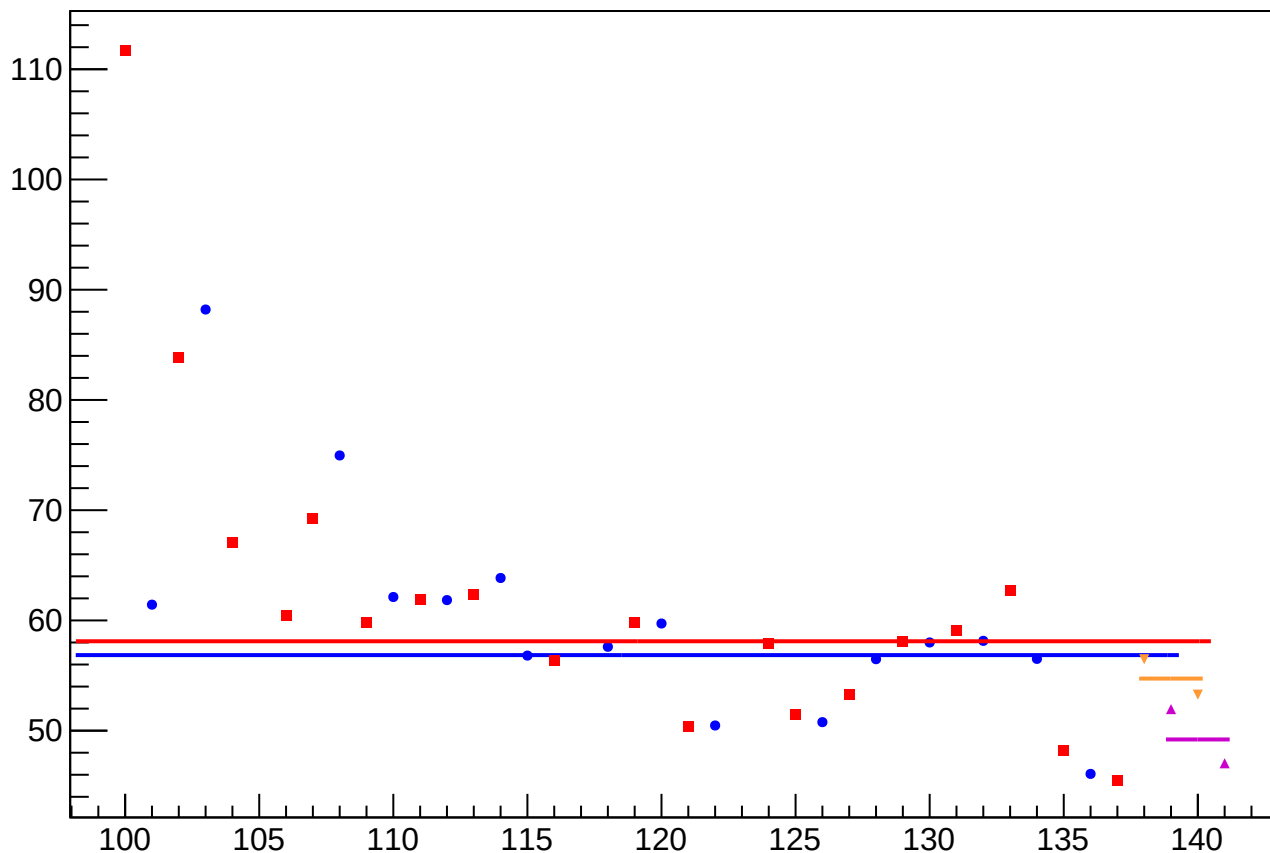
Left In: 3.256 $\pm$ 37.553 χ^2 /NDF:0.0/1

+ sign 45.285 $\pm$ 19.240 χ^2 /NDF: 24.9/17

All: 18.762 $\pm$ 13.426 χ^2 /NDF: 49.1/38

- sign -6.411 $\pm$ 18.744 χ^2 /NDF: 20.5/20

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF : 341605.0/15

Left Out: 54.726+/-0.031 χ^2/NDF : 2729.1/1

Right Out: 58.111+/-0.015 χ^2/NDF : 312938.5/18

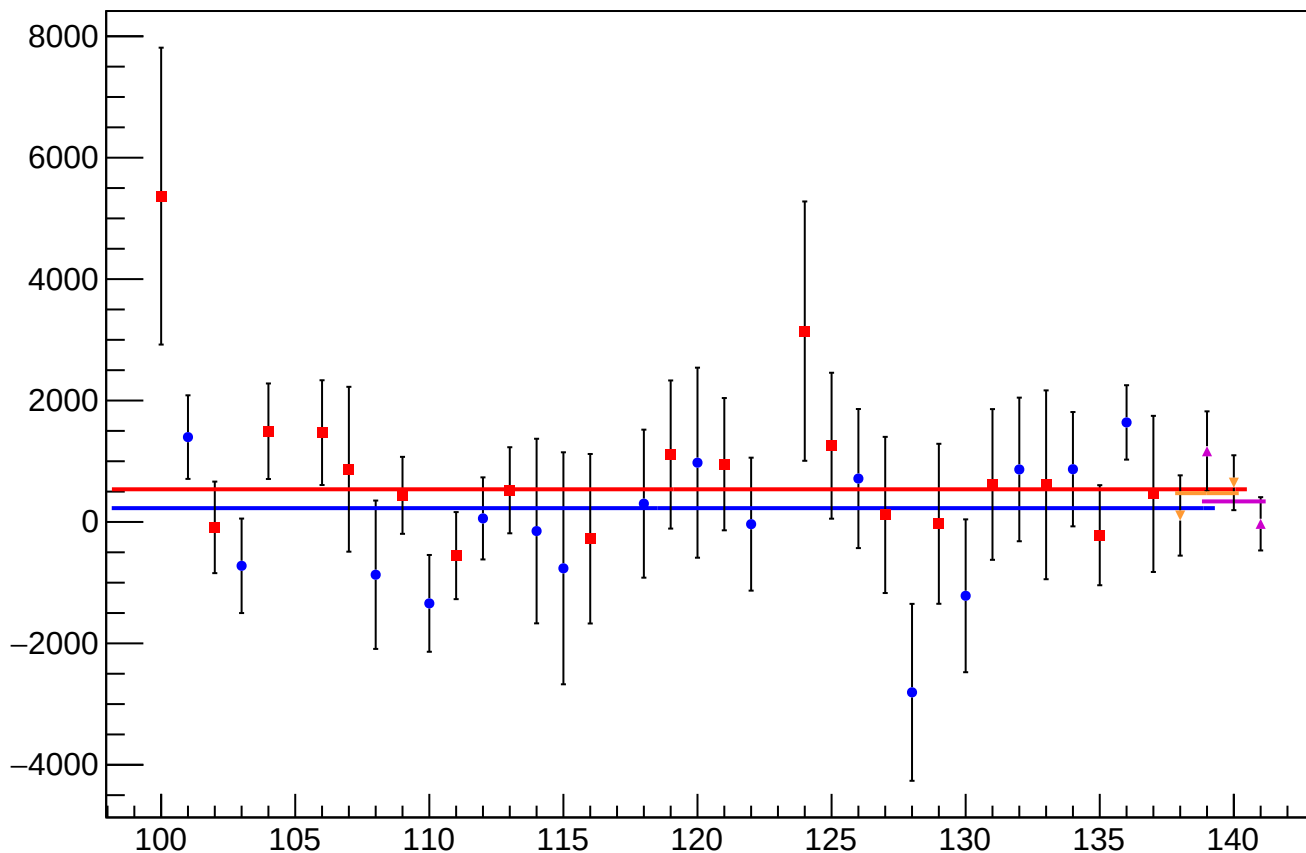
Left In: 49.203+/-0.027 χ^2/NDF : 8436.6/1

+ sign 56.434+/-0.014 χ^2/NDF : 348210.7/17

All: 56.156+/-0.009 χ^2/NDF : 754899.9/38

- sign 55.892+/-0.013 χ^2/NDF : 405872.6/20

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547 $\pm$ 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

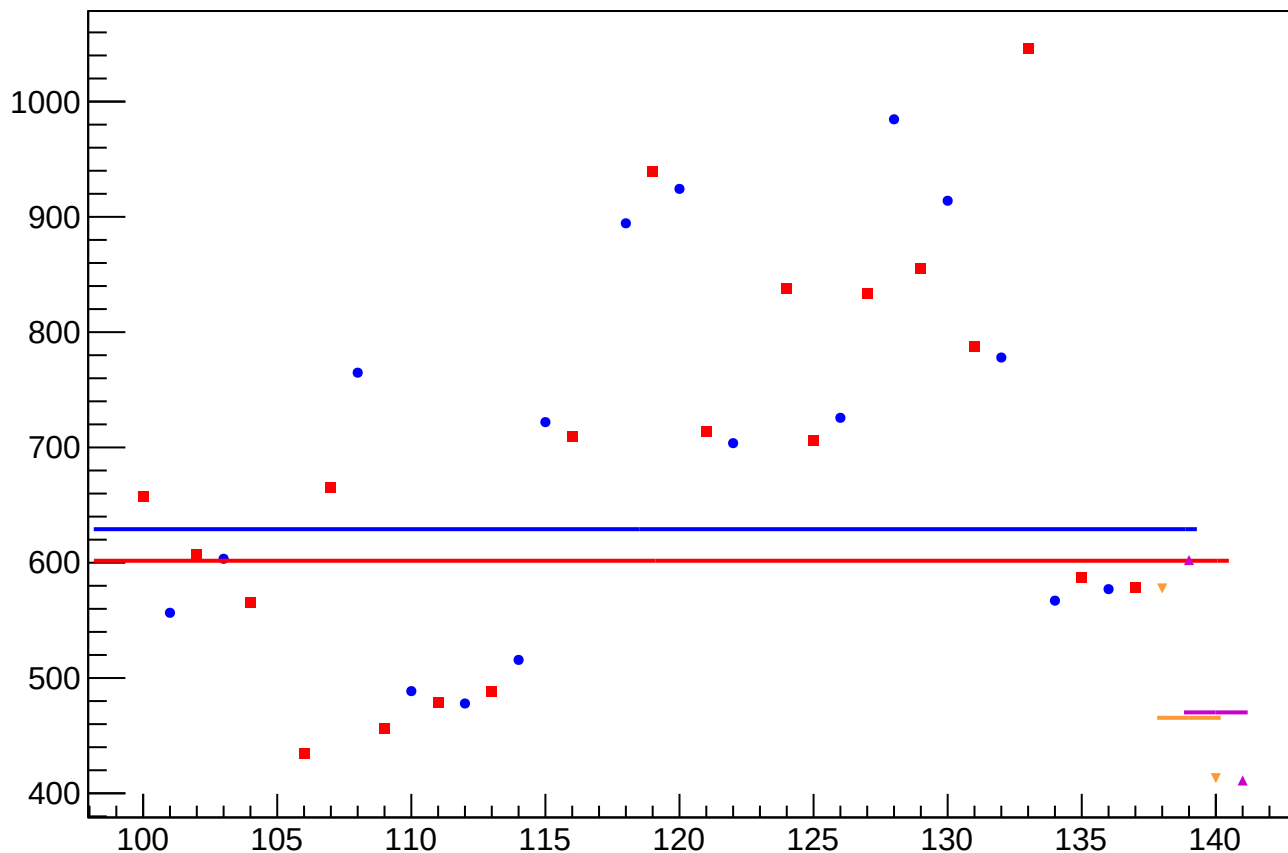
Left In: 338.480 $\pm$ 364.992 χ^2 /NDF: 2.3/1

+ sign 300.344 $\pm$ 202.587 χ^2 /NDF: 22.4/17

All: 395.085 $\pm$ 140.053 χ^2 /NDF: 38.7/38

- sign 481.814 $\pm$ 193.832 χ^2 /NDF: 15.8/20

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

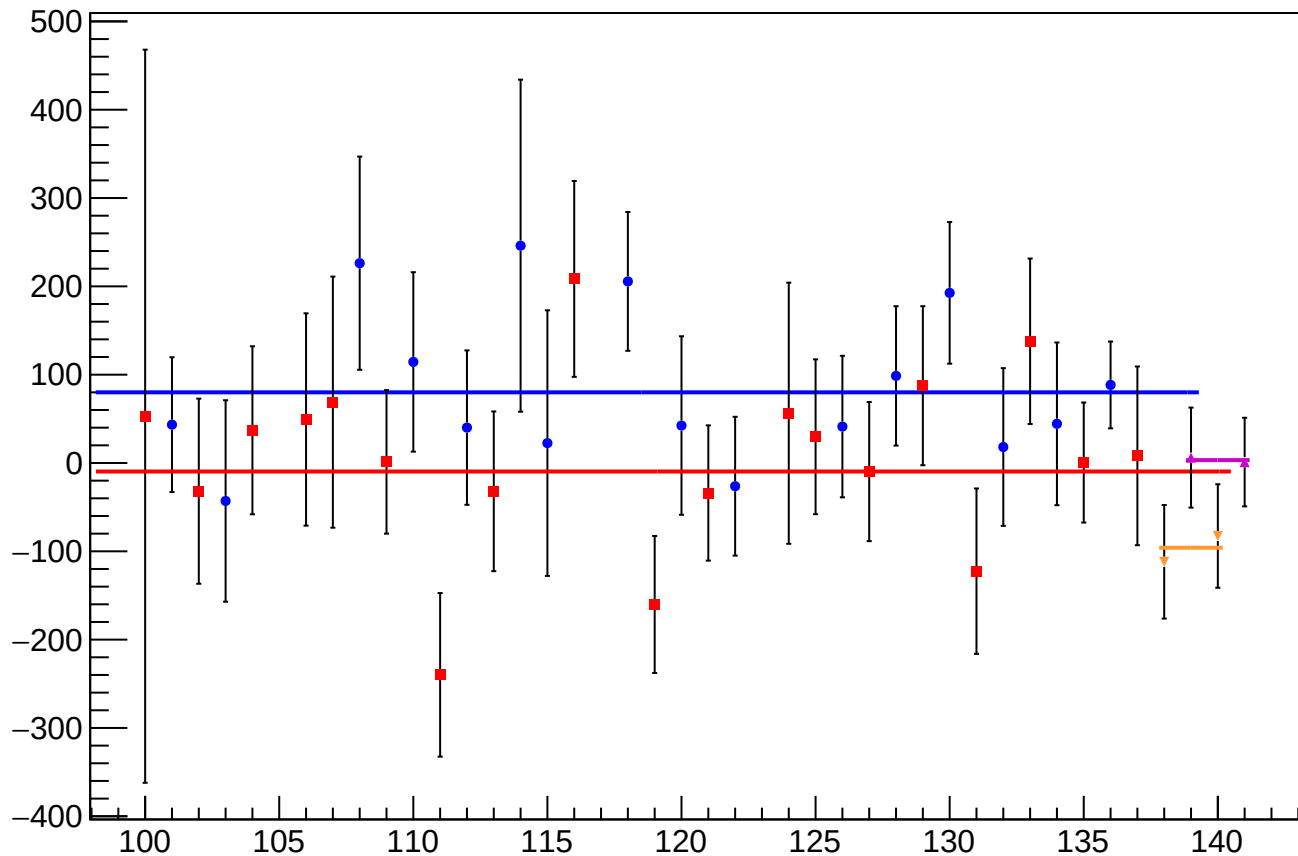
Left In: 470.178+/-0.258 χ^2/NDF : 117127.1/1

+ sign 580.887+/-0.143 χ^2/NDF : 1048268.9/17

All: 572.396+/-0.099 χ^2/NDF : 2232679.1/38

- sign 564.623+/-0.137 χ^2/NDF : 1177680.5/20

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 $\pm$ 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

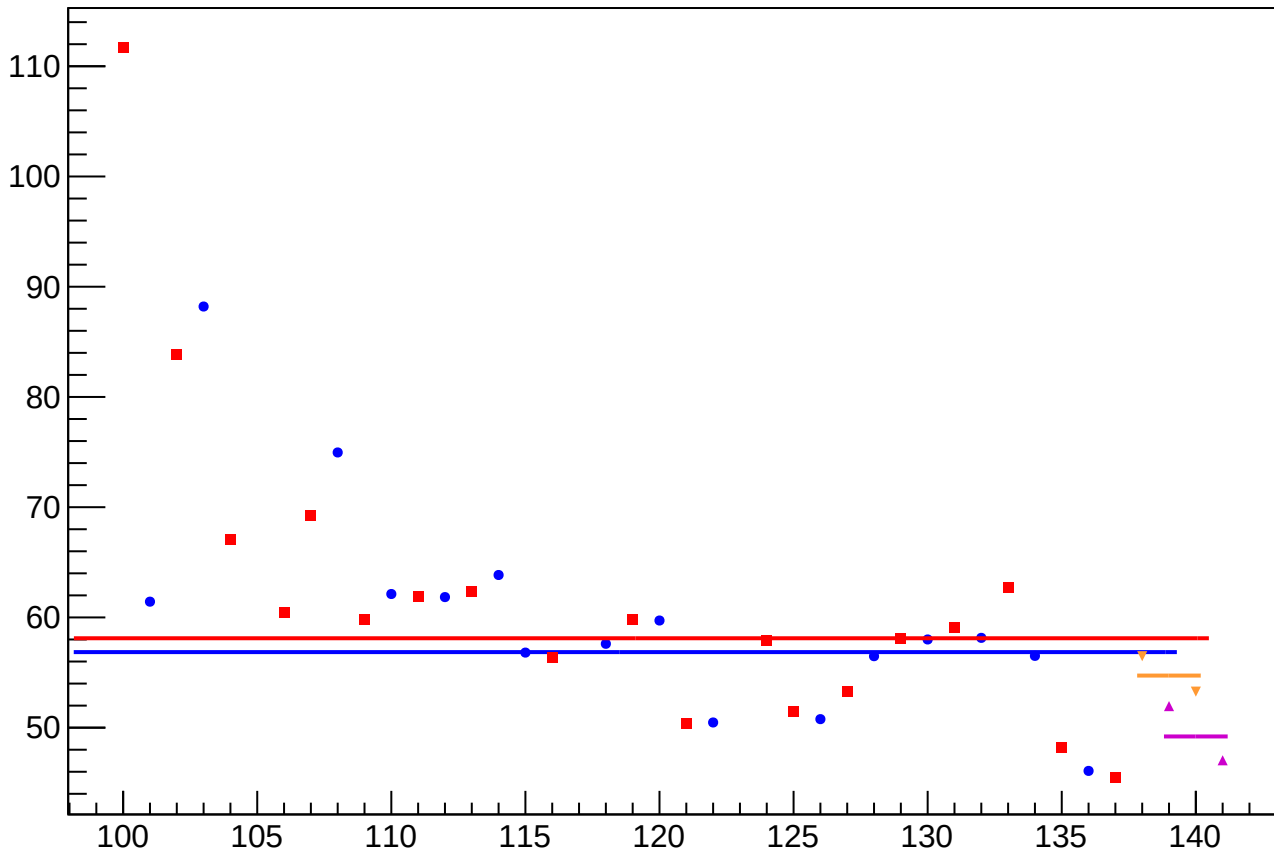
Left In: 3.256 $\pm$ 37.553 χ^2 /NDF:0.0/1

+ sign 45.285 $\pm$ 19.240 χ^2 /NDF: 24.9/17

All: 18.762 $\pm$ 13.426 χ^2 /NDF: 49.1/38

- sign -6.411 $\pm$ 18.744 χ^2 /NDF: 20.5/20

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

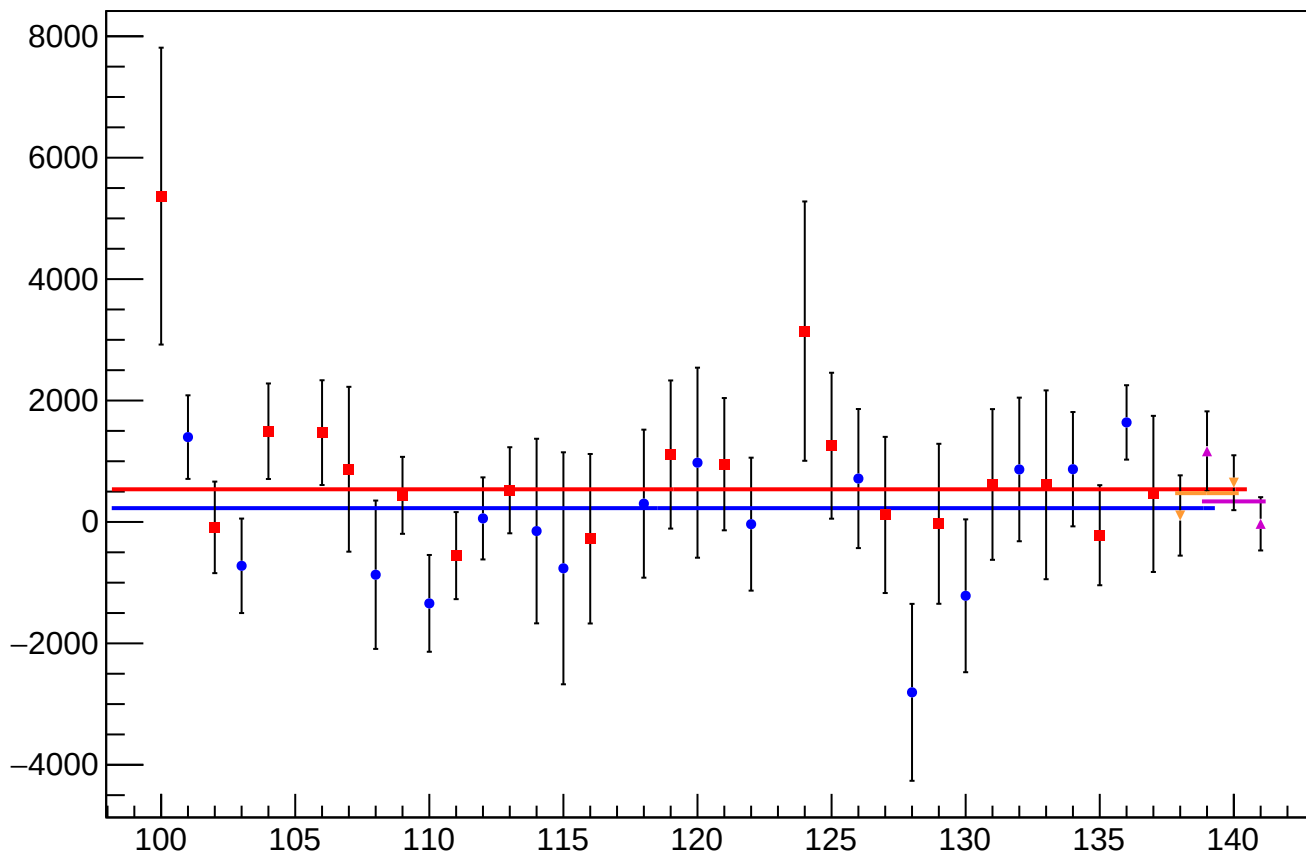
Left In: 49.203 $\pm$ 0.027 χ^2/NDF : 8436.6/1

+ sign 56.434 $\pm$ 0.014 χ^2/NDF : 348210.7/17

All: 56.156 $\pm$ 0.009 χ^2/NDF : 754899.9/38

- sign 55.892 $\pm$ 0.013 χ^2/NDF : 405872.6/20

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

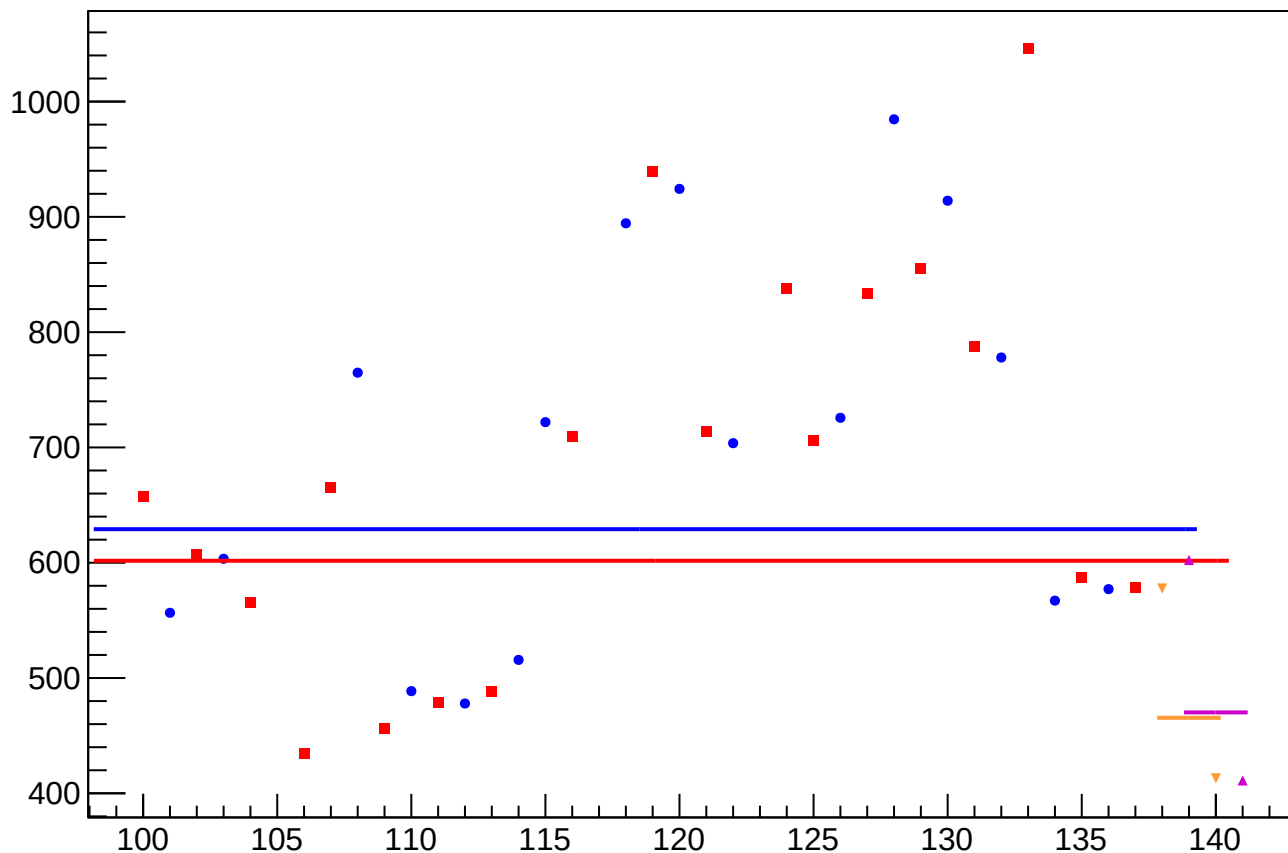
Left In: 338.480 $\pm$ 364.992 χ^2 /NDF: 2.3/1

+ sign 300.344 $\pm$ 202.587 χ^2 /NDF: 22.4/17

All: 395.085 $\pm$ 140.053 χ^2 /NDF: 38.7/38

- sign 481.814 $\pm$ 193.832 χ^2 /NDF: 15.8/20

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 629.101 $\pm$ 0.171 χ^2 /NDF: 692716.0/15

Left Out: 465.499 $\pm$ 0.264 χ^2 /NDF: 84448.3/1

Right Out: 601.721 $\pm$ 0.162 χ^2 /NDF: 874042.1/18

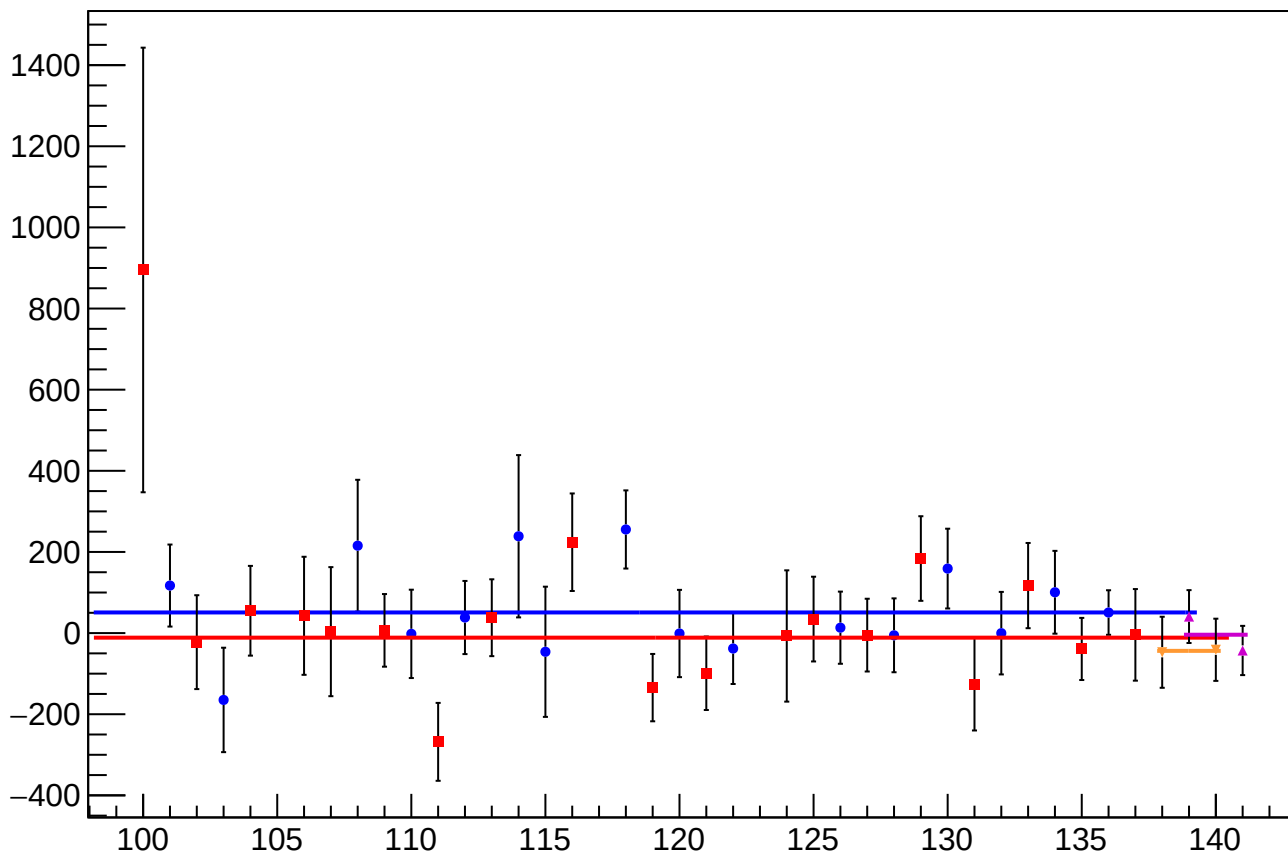
Left In: 470.178 $\pm$ 0.258 χ^2 /NDF: 117127.1/1

+ sign 580.887 $\pm$ 0.143 χ^2 /NDF: 1048268.9/17

All: 572.396 $\pm$ 0.099 χ^2 /NDF: 2232679.1/38

- sign 564.623 $\pm$ 0.137 χ^2 /NDF: 1177680.5/20

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861 ± 24.492 $\chi^2/\text{NDF}: 13.8/15$

Left Out: -43.826 ± 57.676 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -11.261 ± 24.324 $\chi^2/\text{NDF}: 24.0/18$

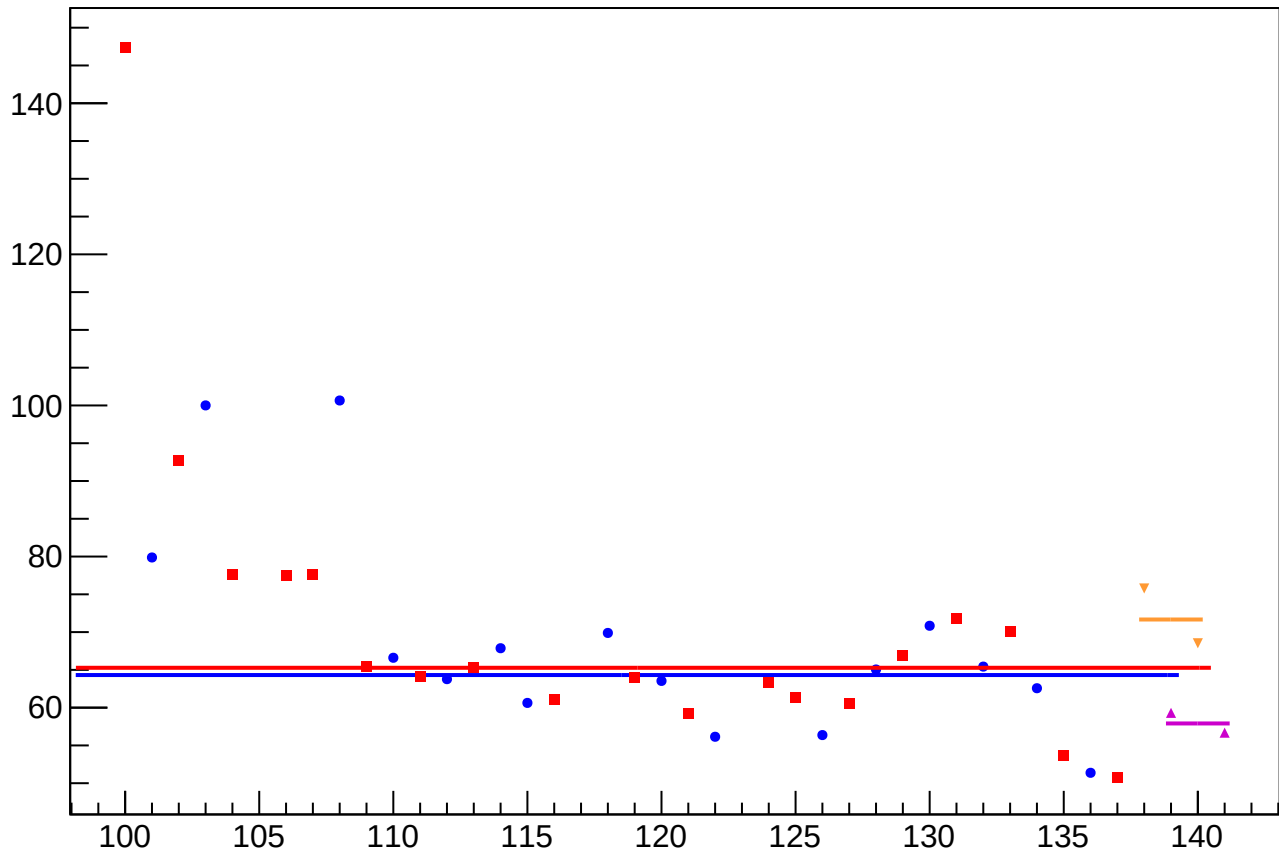
Left In: -4.043 ± 44.410 $\chi^2/\text{NDF}: 0.9/1$

+ sign 36.395 ± 22.544 $\chi^2/\text{NDF}: 16.1/17$

All: 12.133 ± 15.495 $\chi^2/\text{NDF}: 43.2/38$

- sign -9.595 ± 21.334 $\chi^2/\text{NDF}: 24.9/20$

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 ± 0.017 $\chi^2/\text{NDF}: 464952.4/15$

Left Out: 71.668 ± 0.041 $\chi^2/\text{NDF}: 7775.3/1$

Right Out: 65.277 ± 0.017 $\chi^2/\text{NDF}: 319136.6/18$

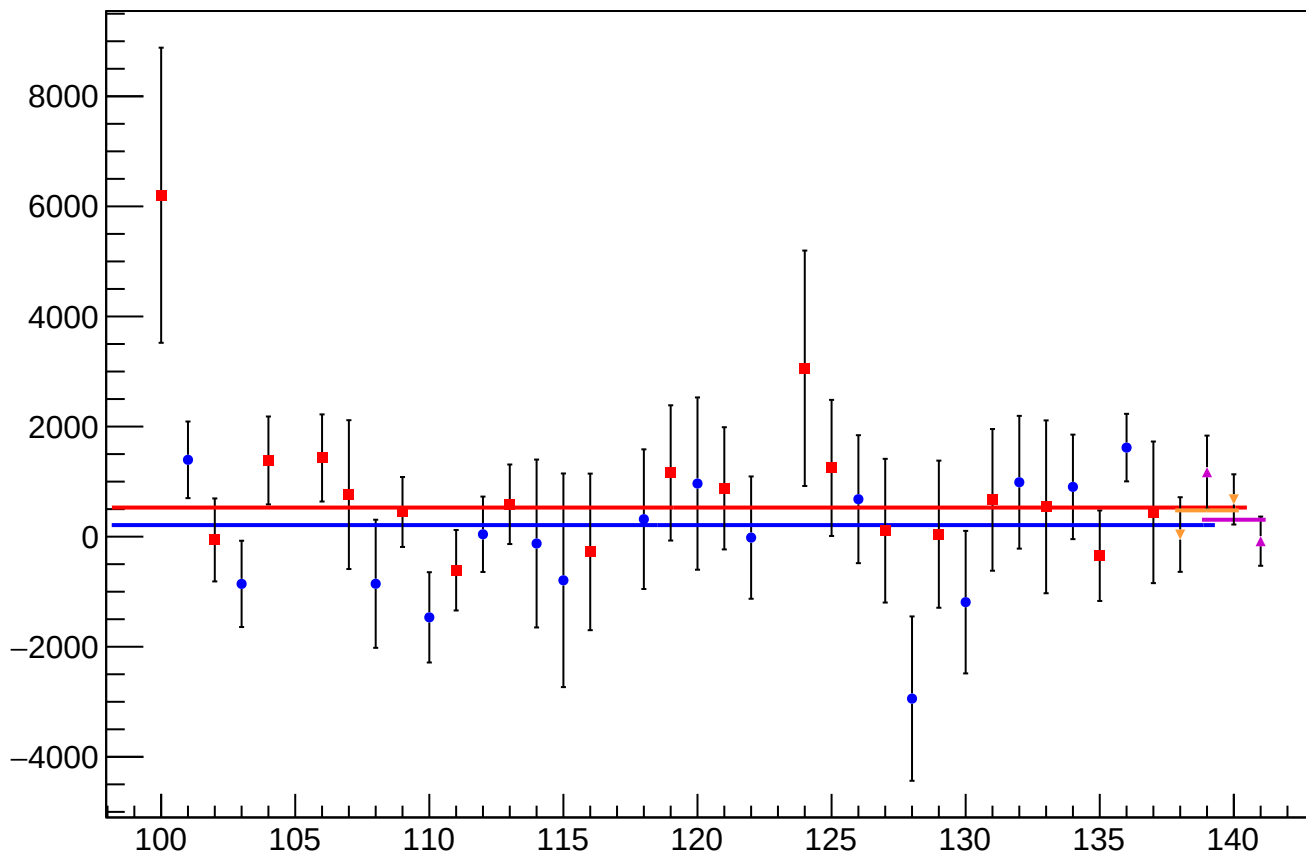
Left In: 57.909 ± 0.031 $\chi^2/\text{NDF}: 1738.1/1$

+ sign 65.440 ± 0.016 $\chi^2/\text{NDF}: 500251.2/17$

All: 64.457 ± 0.011 $\chi^2/\text{NDF}: 870682.7/38$

- sign 63.577 ± 0.015 $\chi^2/\text{NDF}: 363226.8/20$

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

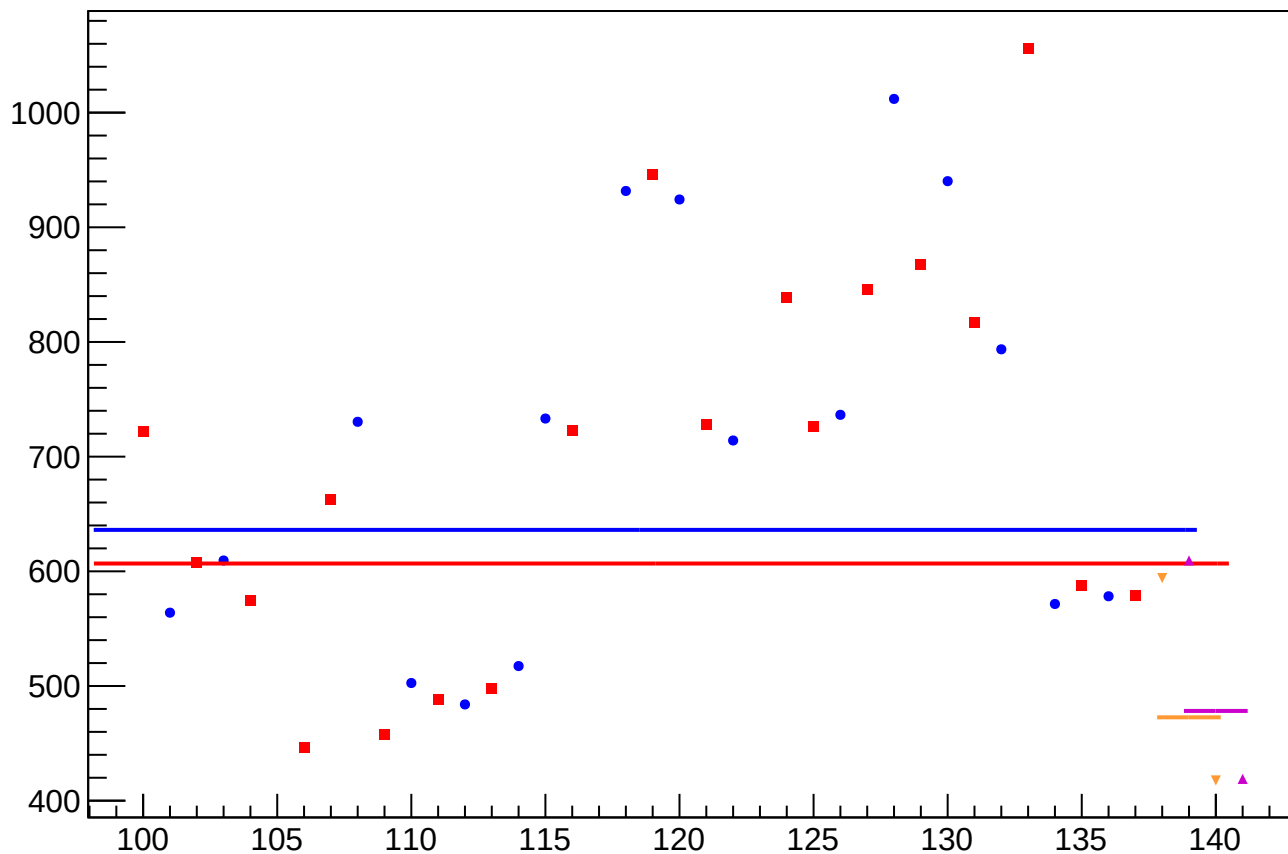
Left In: 307.543 $\pm$ 370.859 χ^2 /NDF:2.4/1

+ sign 288.500 $\pm$ 204.966 χ^2 /NDF: 23.4/17

All: 382.269 $\pm$ 141.378 χ^2 /NDF: 40.3/38

- sign 467.372 $\pm$ 195.264 χ^2 /NDF: 16.5/20

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF : 705237.7/15

Left Out: 472.692+/-0.268 χ^2/NDF : 93260.0/1

Right Out: 606.803+/-0.162 χ^2/NDF : 893878.7/18

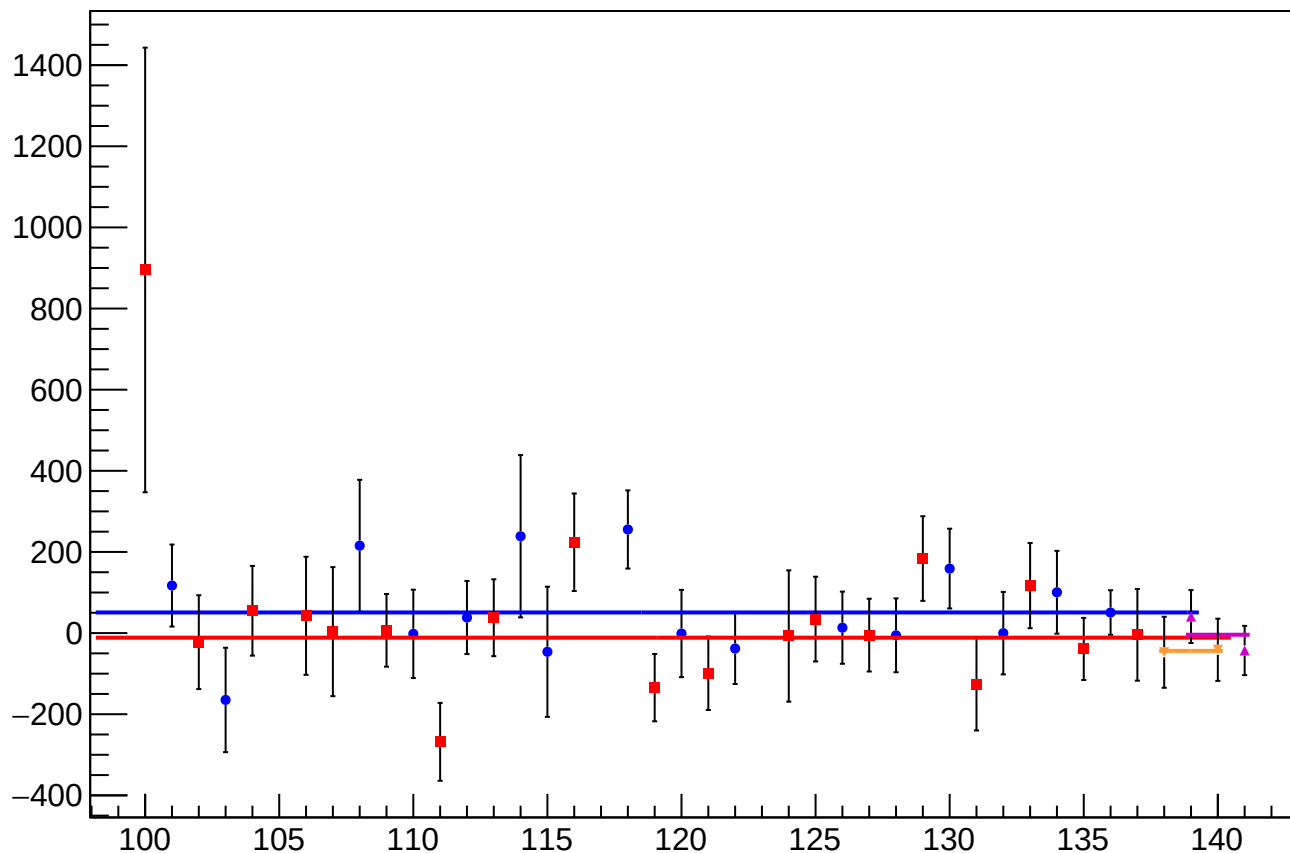
Left In: 478.260+/-0.262 χ^2/NDF : 113088.7/1

+ sign 588.222+/-0.145 χ^2/NDF : 1062069.3/17

All: 579.282+/-0.100 χ^2/NDF : 2249960.8/38

- sign 571.168+/-0.138 χ^2/NDF : 1180632.9/20

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859 $\pm$ 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

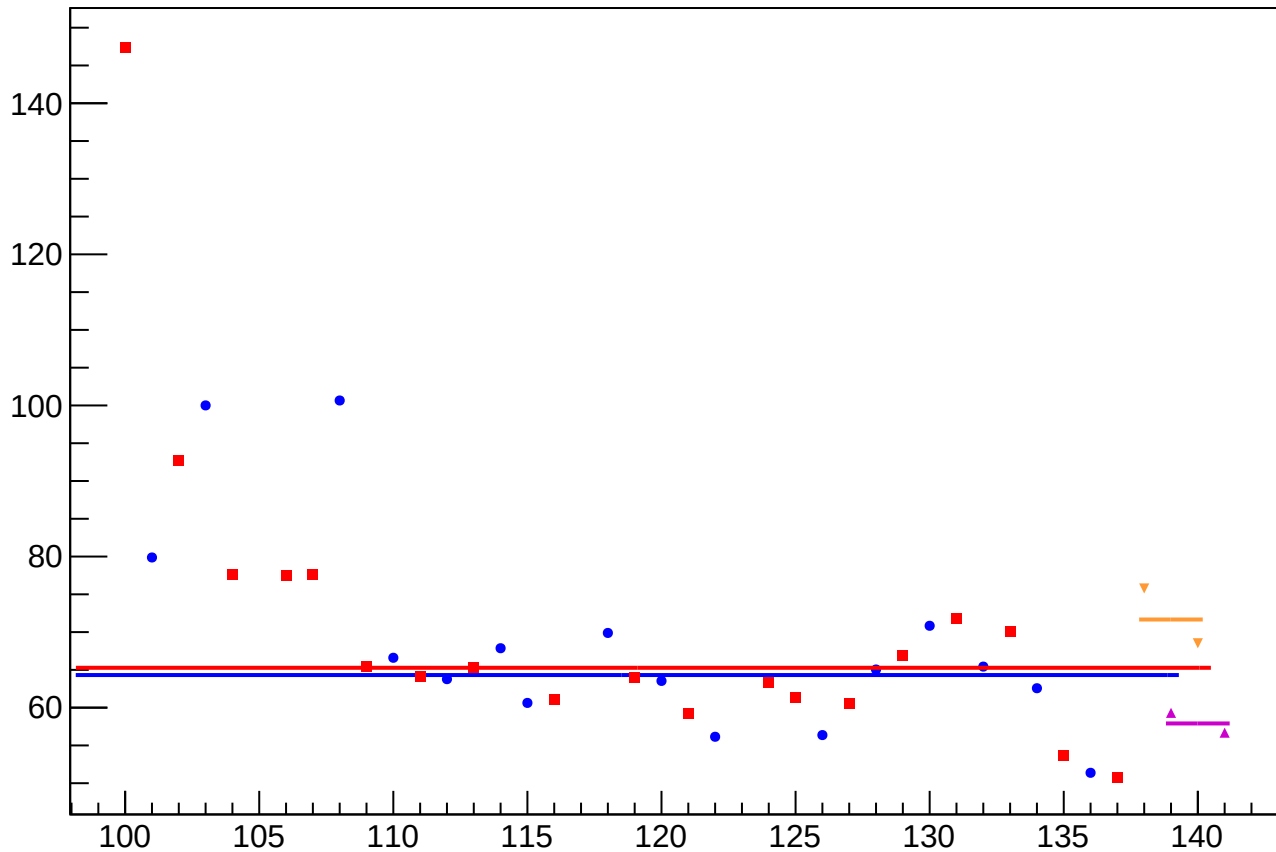
Left In: -4.044 $\pm$ 44.410 χ^2 /NDF: 0.9/1

+ sign 36.392 $\pm$ 22.544 χ^2 /NDF: 16.1/17

All: 12.132 $\pm$ 15.495 χ^2 /NDF: 43.2/38

- sign -9.595 $\pm$ 21.334 χ^2 /NDF: 24.9/20

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 ± 0.017 $\chi^2/\text{NDF}: 464950.5/15$

Left Out: 71.667 ± 0.041 $\chi^2/\text{NDF}: 7774.0/1$

Right Out: 65.277 ± 0.017 $\chi^2/\text{NDF}: 319140.2/18$

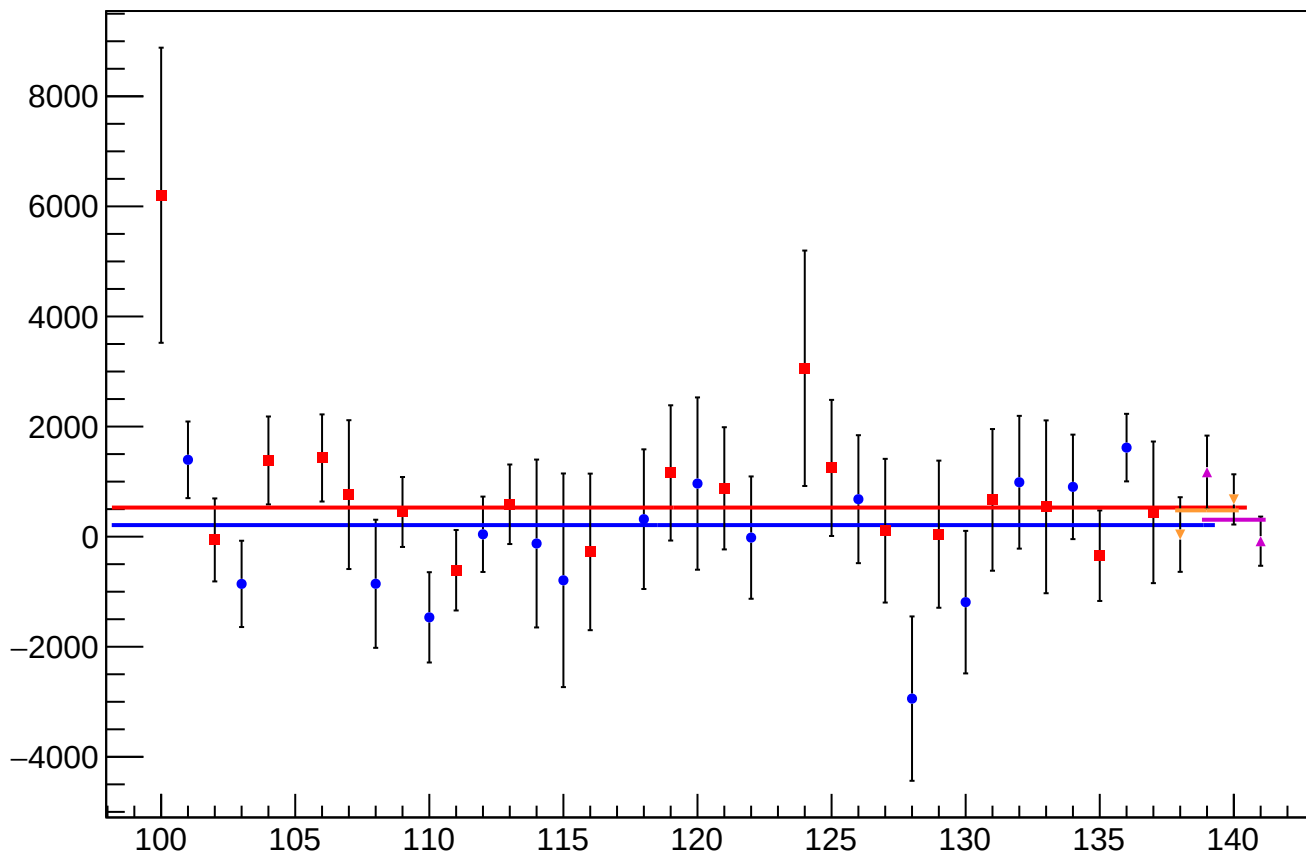
Left In: 57.909 ± 0.031 $\chi^2/\text{NDF}: 1737.6/1$

+ sign 65.440 ± 0.016 $\chi^2/\text{NDF}: 500247.2/17$

All: 64.457 ± 0.011 $\chi^2/\text{NDF}: 870683.6/38$

- sign 63.577 ± 0.015 $\chi^2/\text{NDF}: 363231.2/20$

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

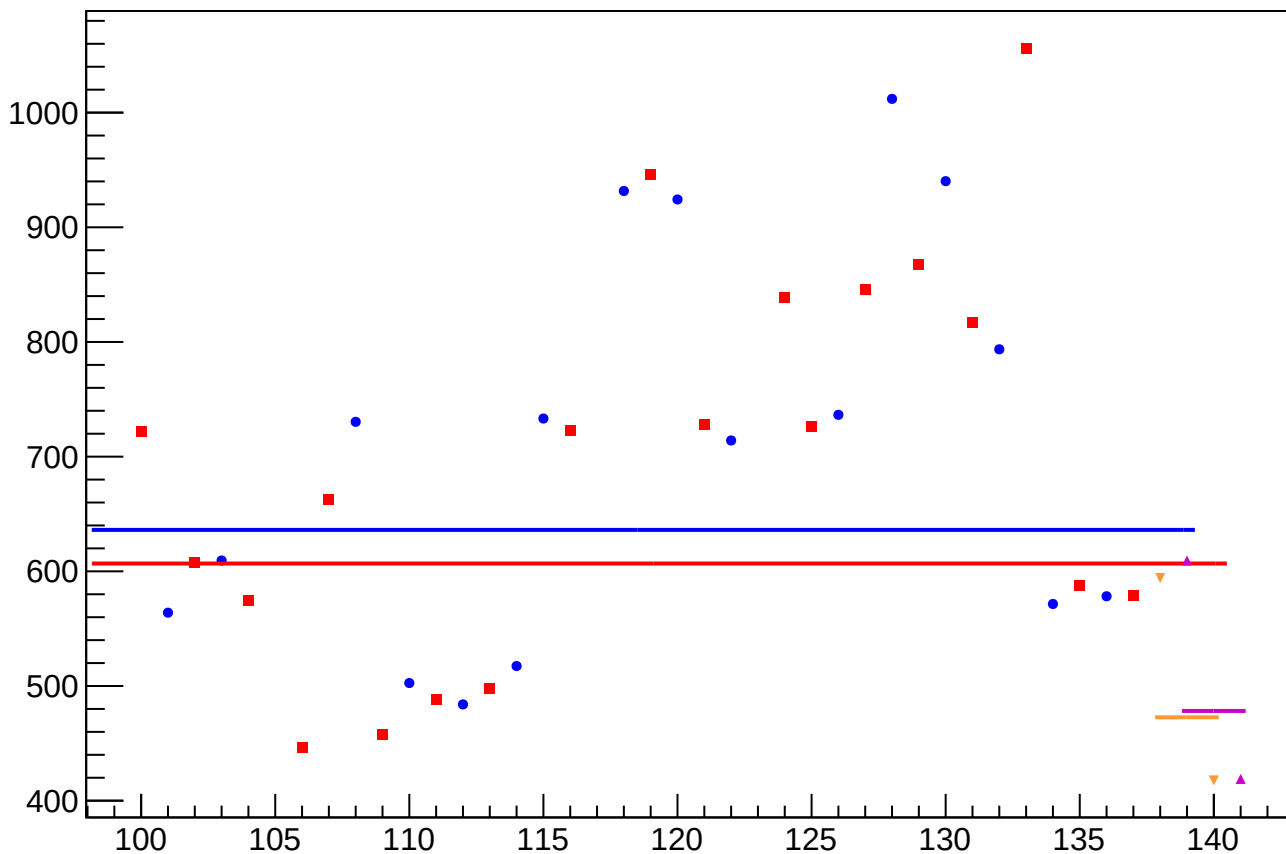
Left In: 307.543 $\pm$ 370.857 χ^2 /NDF:2.4/1

+ sign 288.499 $\pm$ 204.966 χ^2 /NDF: 23.4/17

All: 382.269 $\pm$ 141.378 χ^2 /NDF: 40.3/38

- sign 467.371 $\pm$ 195.264 χ^2 /NDF: 16.5/20

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

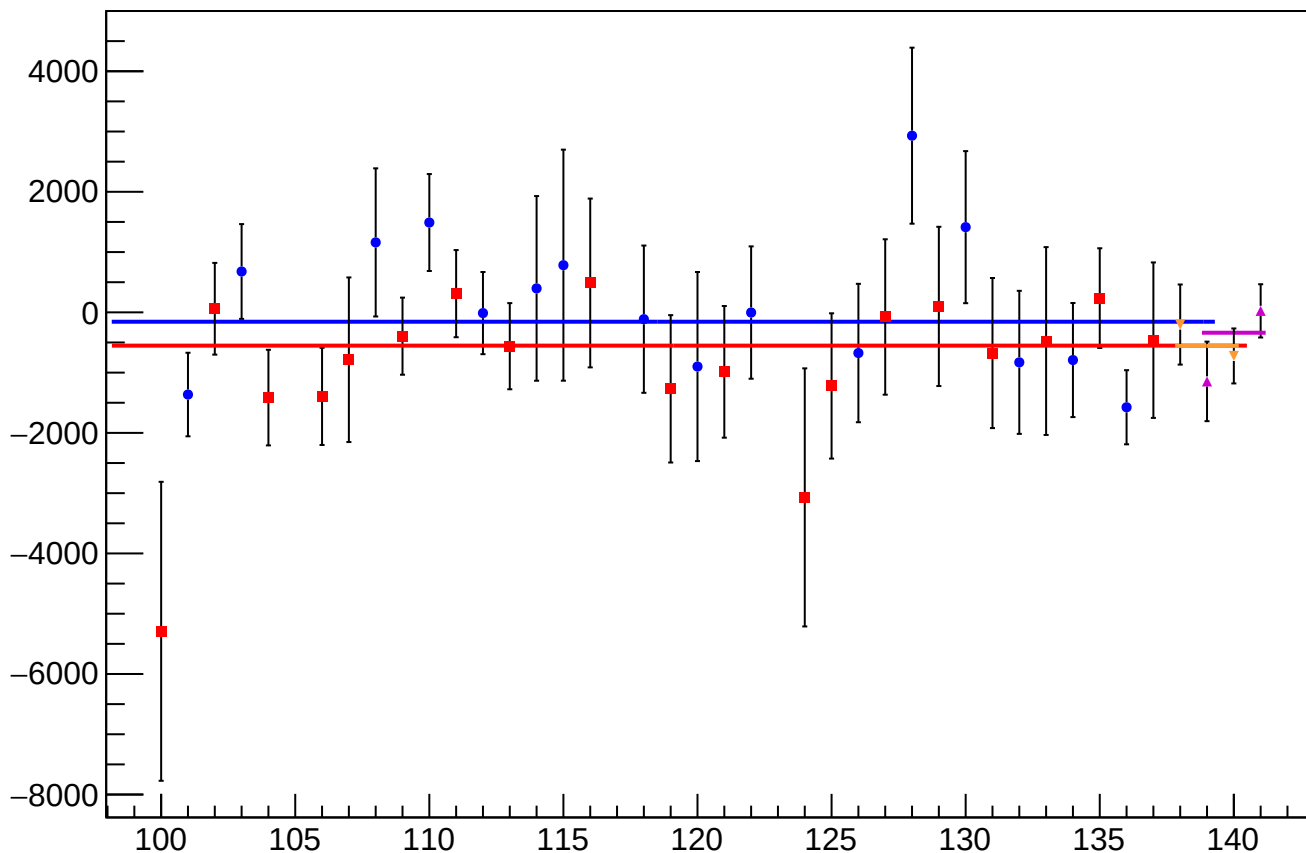
Left In: 478.258+/-0.262 χ^2/NDF : 113089.7/1

+ sign 588.221+/-0.145 χ^2/NDF : 1062077.8/17

All: 579.281+/-0.100 χ^2/NDF : 2249976.0/38

- sign 571.167+/-0.138 χ^2/NDF : 1180639.8/20

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF : 22.5/15

Left Out: -556.635+/-376.030 χ^2/NDF : 0.4/1

Right Out: -552.176+/-228.890 χ^2/NDF : 12.1/18

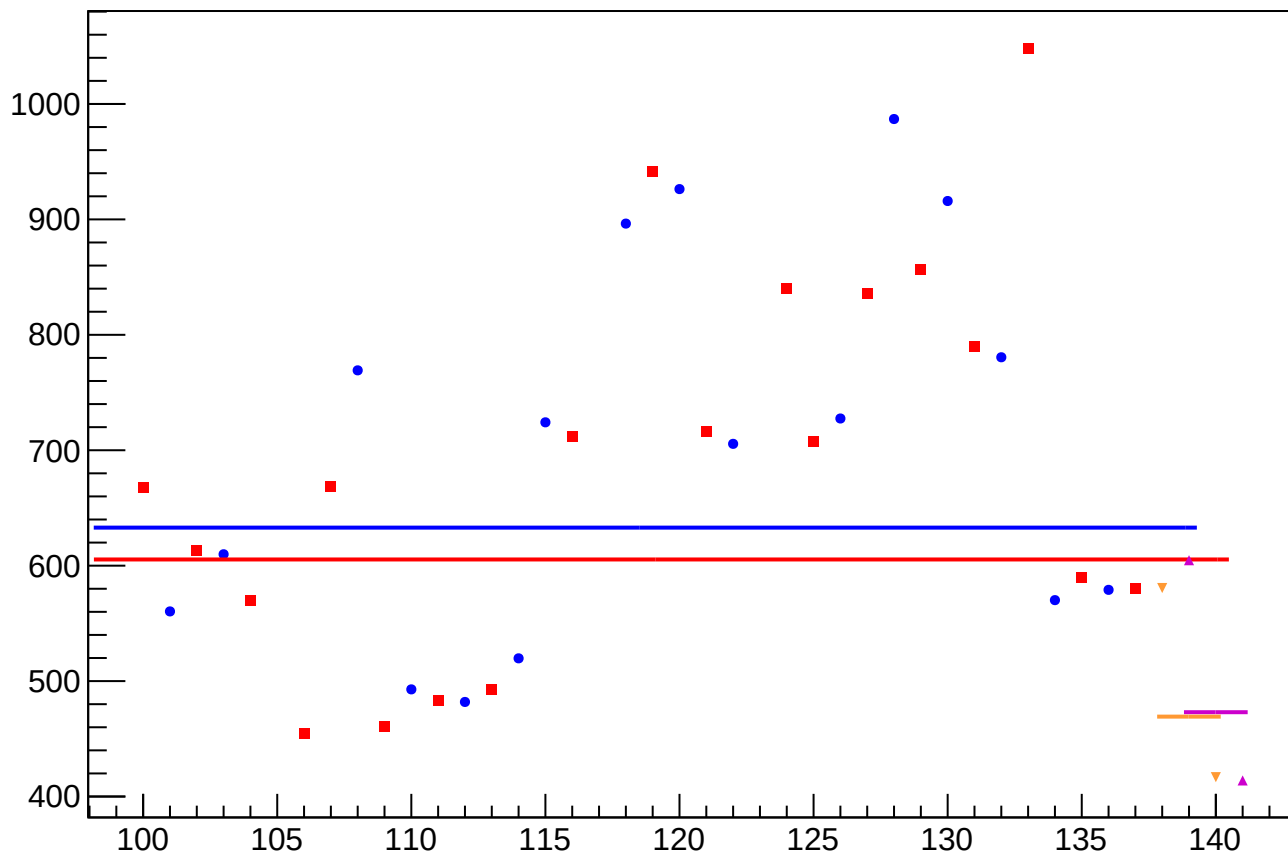
Left In: -338.083+/-367.114 χ^2/NDF : 2.2/1

+ sign -273.497+/-203.853 χ^2/NDF : 23.7/17

All: -388.157+/-140.621 χ^2/NDF : 38.9/38

- sign -492.247+/-194.231 χ^2/NDF : 14.5/20

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966 $\pm$ 0.172 χ^2 /NDF: 681138.4/15

Left Out: 469.223 $\pm$ 0.266 χ^2 /NDF:82675.2/1

Right Out: 605.373 $\pm$ 0.162 χ^2 /NDF: 853994.0/18

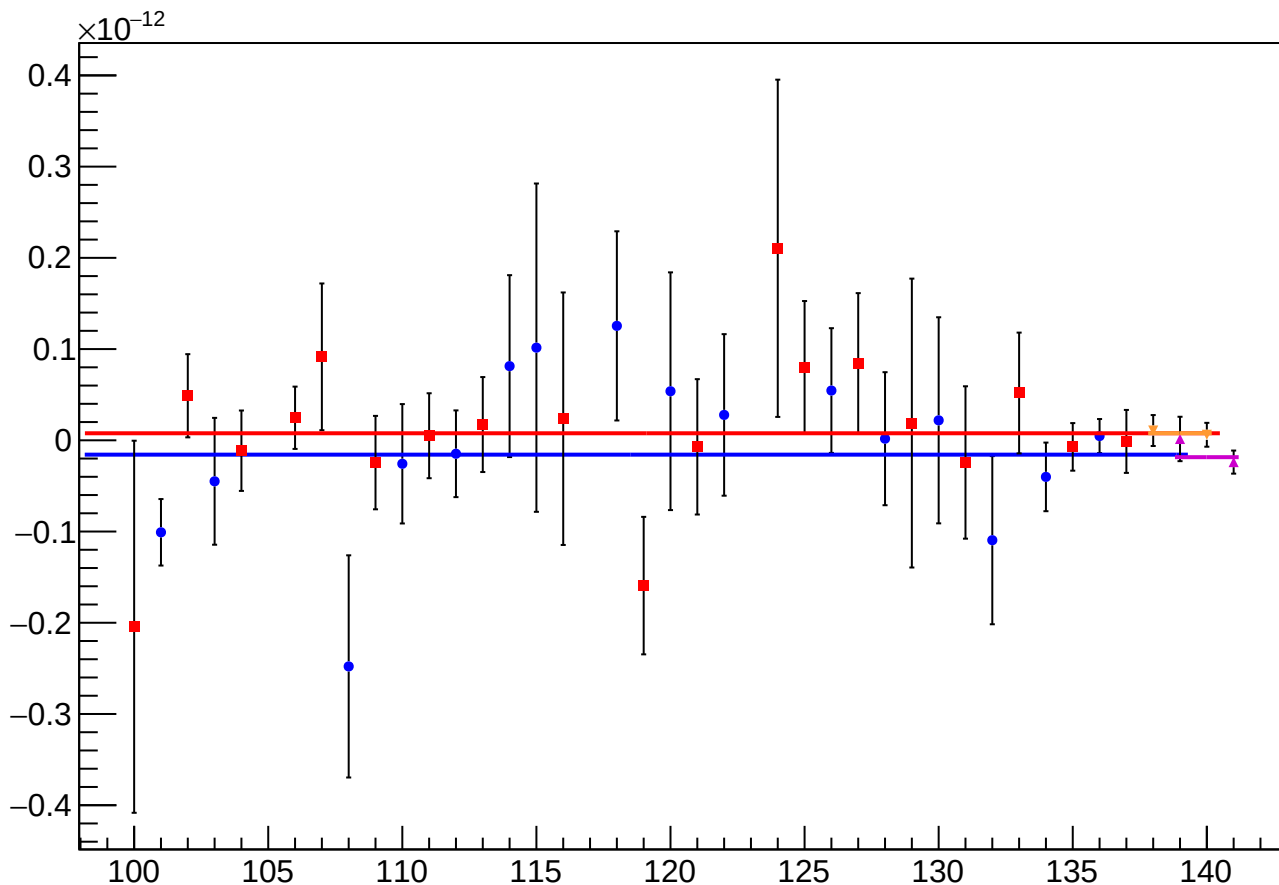
Left In: 473.050 $\pm$ 0.260 χ^2 /NDF:115514.1/1

+ sign 584.843 $\pm$ 0.144 χ^2 /NDF: 1031595.0/17

All: 576.190 $\pm$ 0.099 χ^2 /NDF: 2195081.3/38

- sign 568.334 $\pm$ 0.137 χ^2 /NDF: 1156610.2/20

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

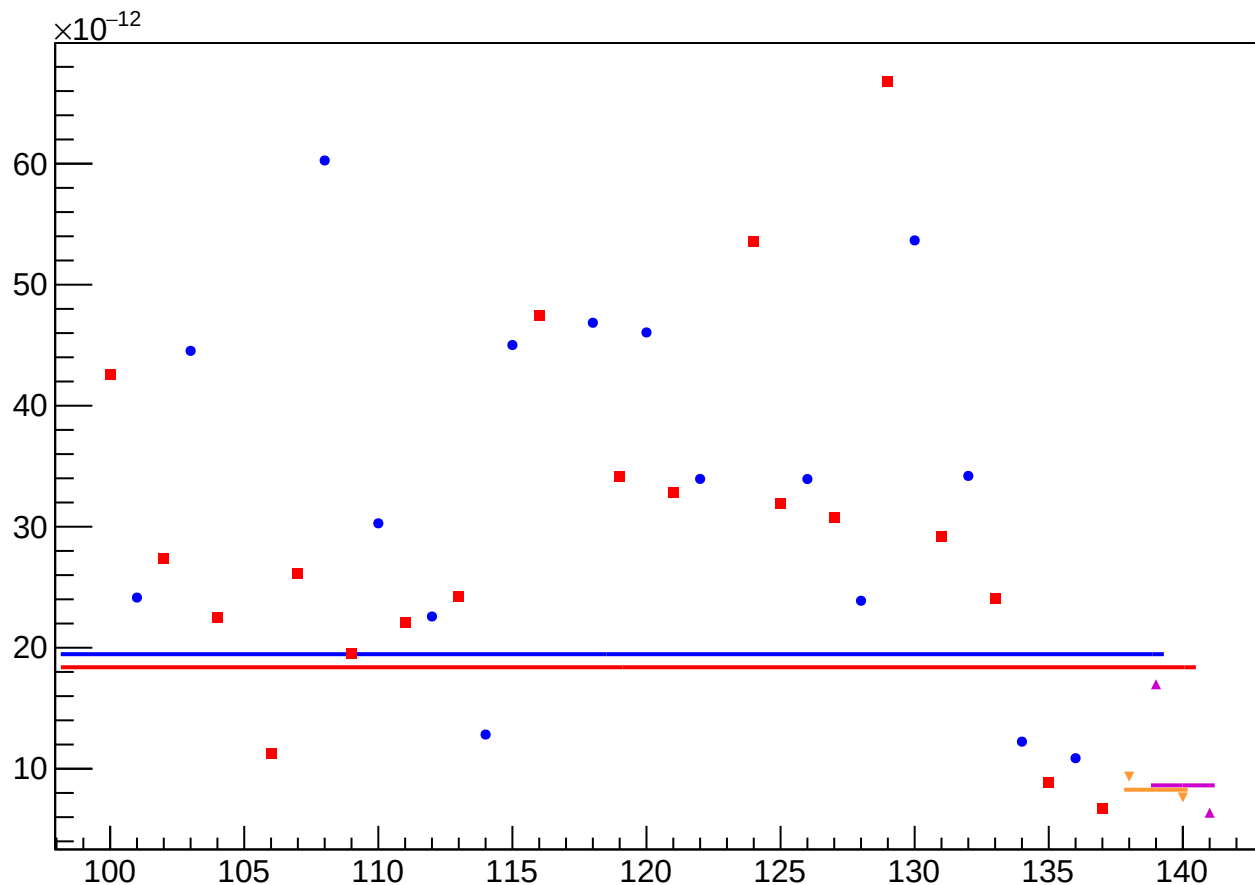
Left In: -0.000+/-0.000 χ^2/NDF : 0.9/1

+ sign -0.000+/-0.000 χ^2/NDF : 19.0/17

All: -0.000+/-0.000 χ^2/NDF : 35.5/38

- sign -0.000+/-0.000 χ^2/NDF : 16.3/20

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

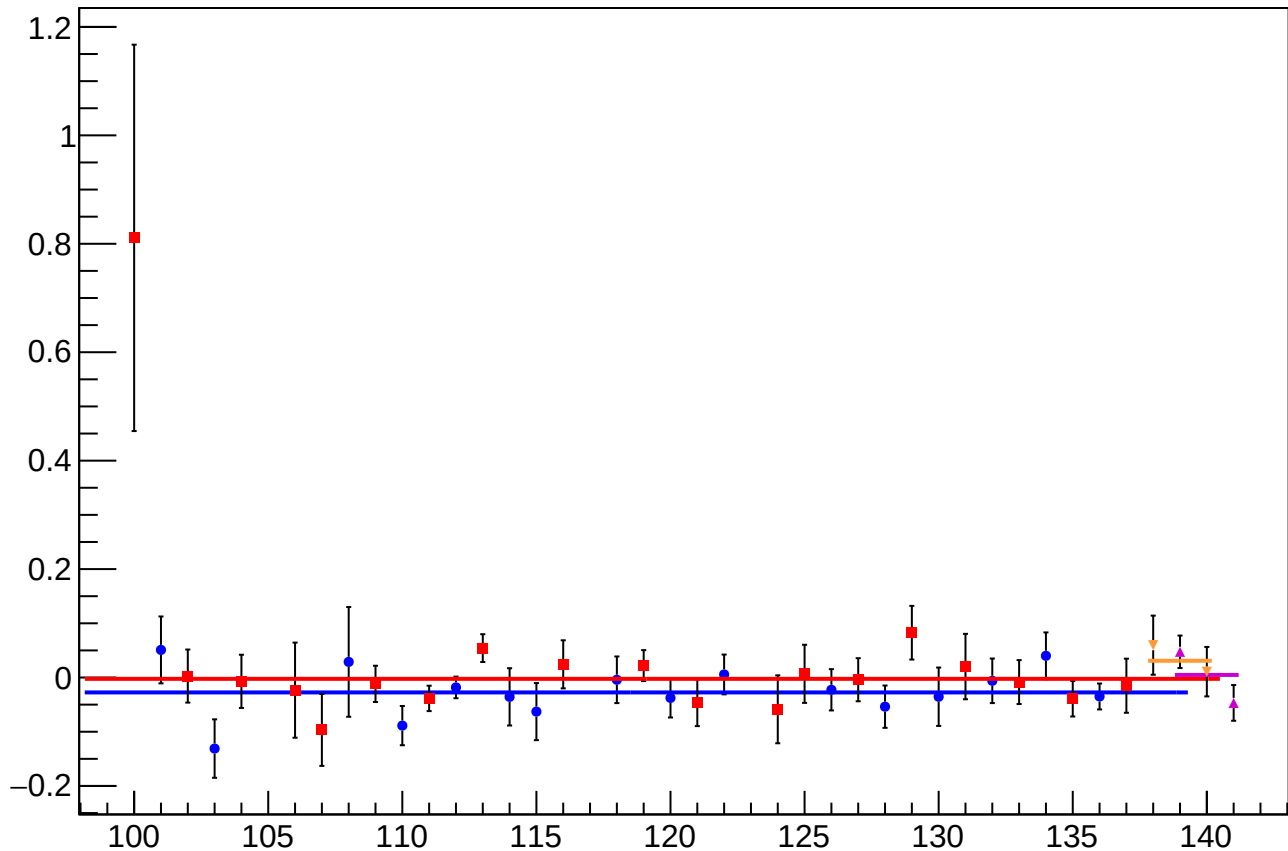
Left In: 0.000+/-0.000 χ^2/NDF :299386.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 2690659.9/17

All: 0.000+/-0.000 χ^2/NDF : 5131968.7/38

- sign 0.000+/-0.000 χ^2/NDF : 2439589.2/20

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027 ± 0.009 χ^2/NDF : 13.7/15

Left Out: 0.031 ± 0.035 χ^2/NDF : 0.5/1

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

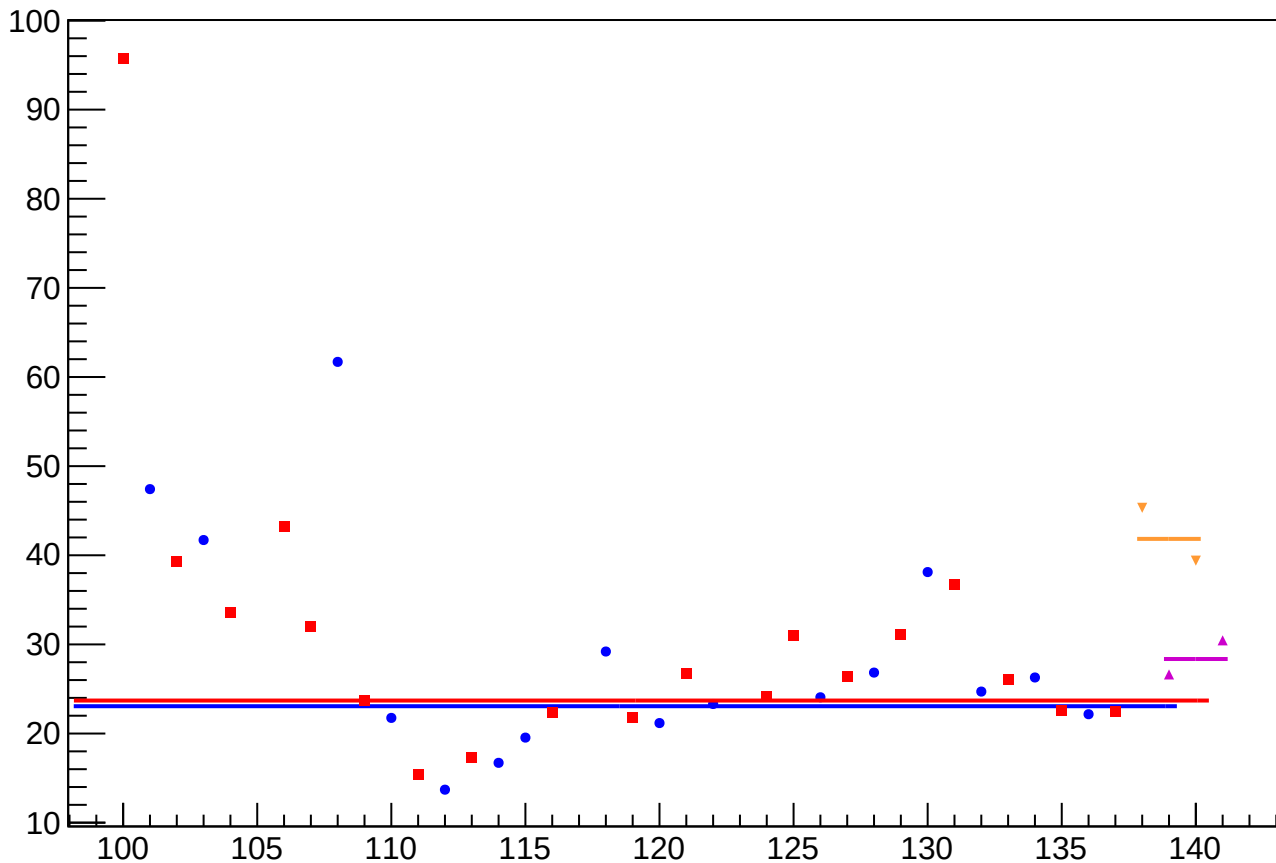
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.012 ± 0.006 χ^2/NDF : 46.6/38

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF : 1564478.6/15

Left Out: 41.839+/-0.025 χ^2/NDF :13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF : 1088494.2/18

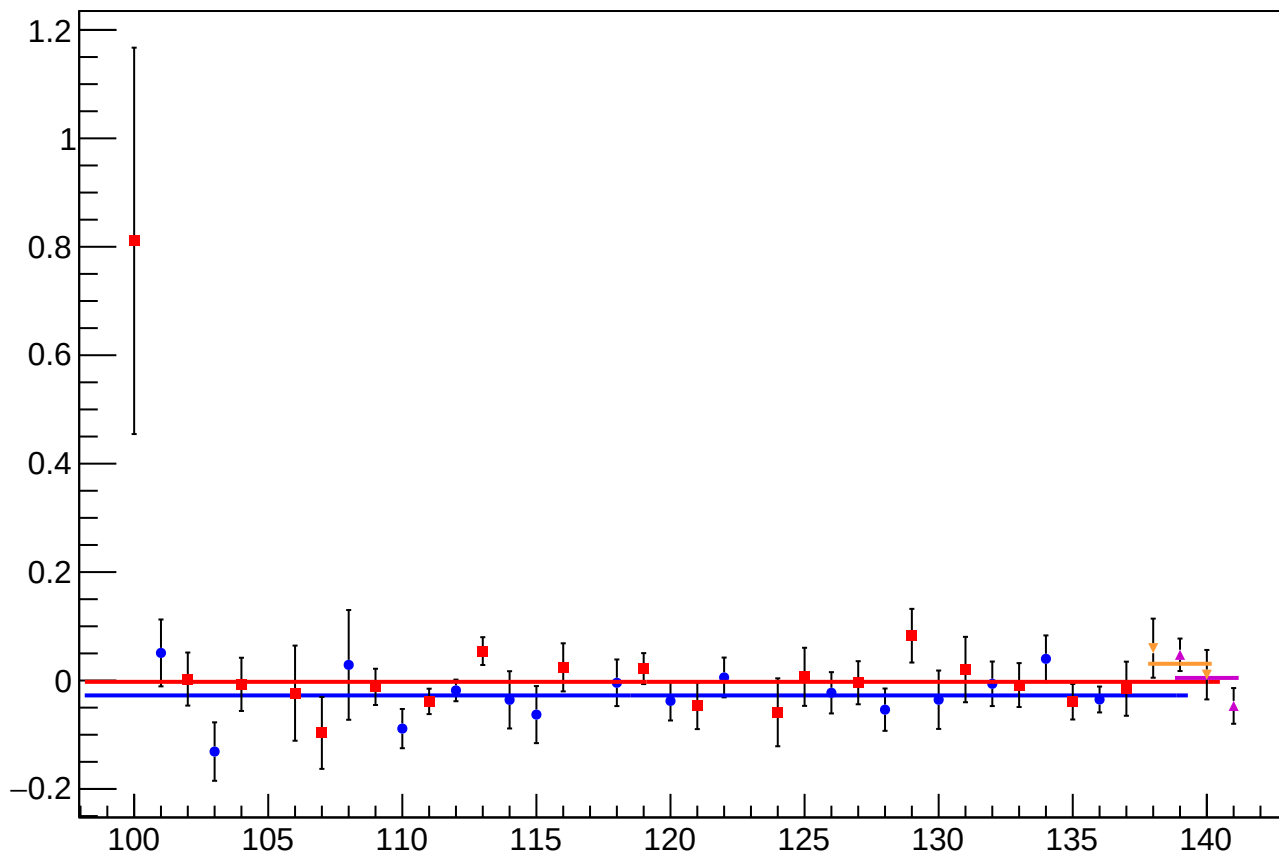
Left In: 28.362+/-0.016 χ^2/NDF :14757.4/1

+ sign 24.328+/-0.006 χ^2/NDF : 2115685.6/17

All: 24.366+/-0.004 χ^2/NDF : 3294216.9/38

- sign 24.399+/-0.006 χ^2/NDF : 1178467.2/20

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

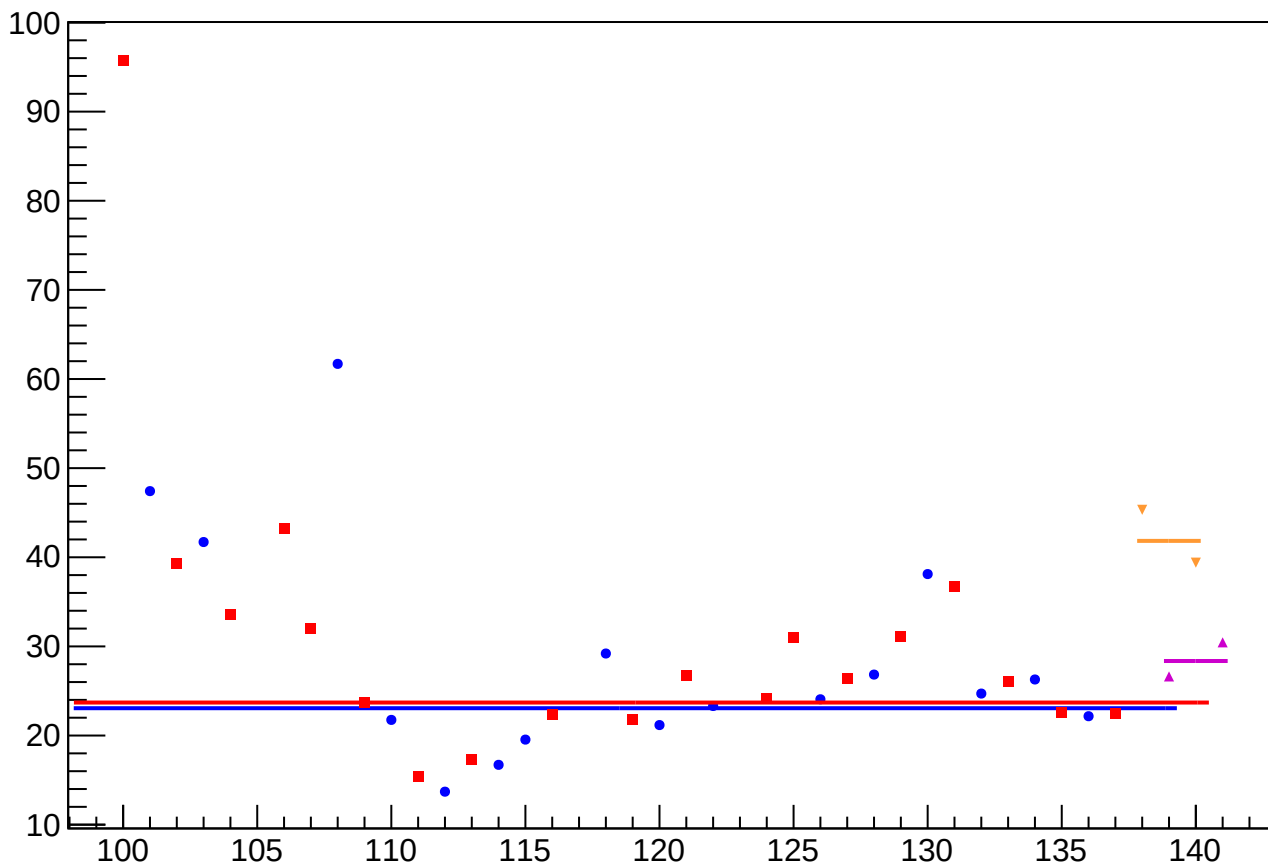
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.012 ± 0.006 χ^2/NDF : 46.6/38

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

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

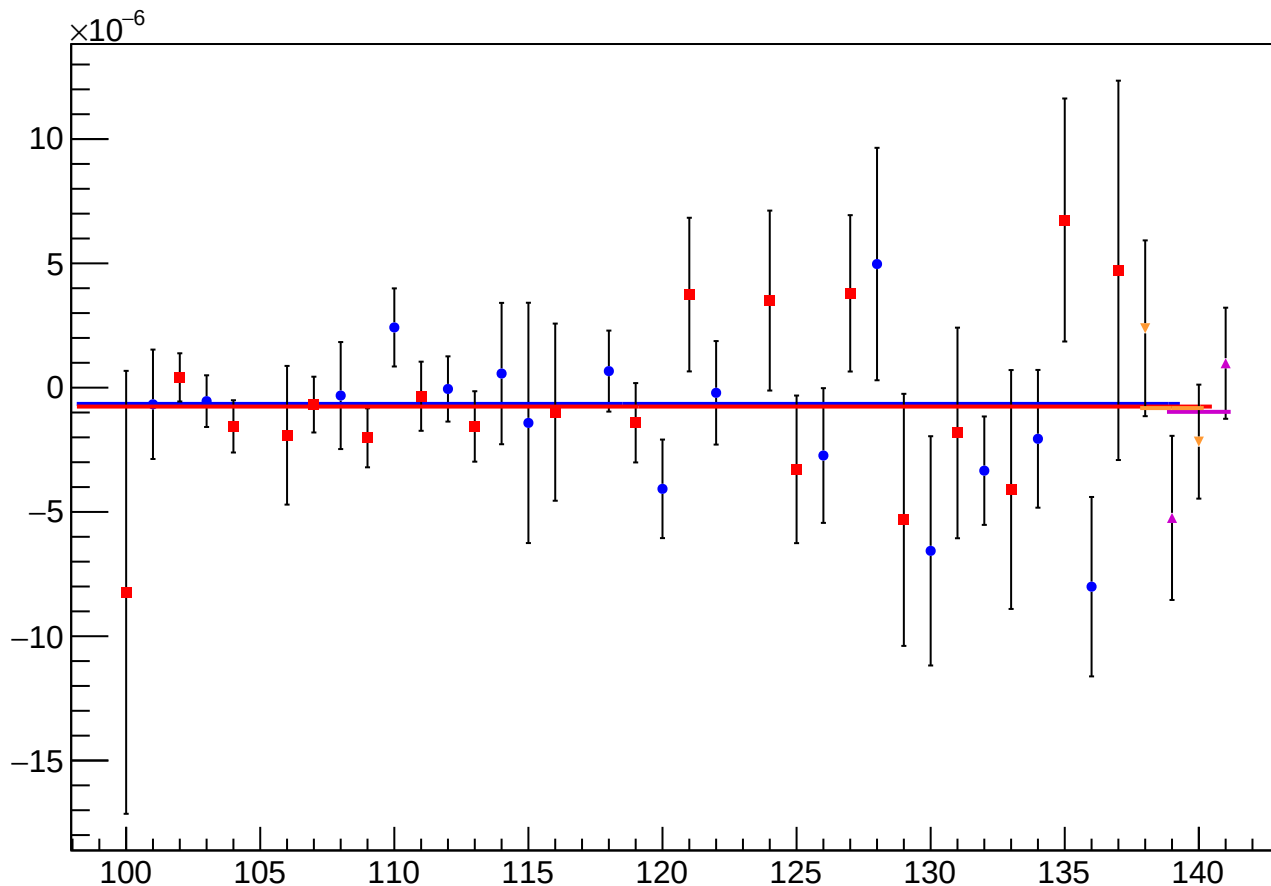
Left In: 28.362+/-0.016 χ^2/NDF :14757.4/1

+ sign 24.328+/-0.006 χ^2/NDF : 2115685.6/17

All: 24.366+/-0.004 χ^2/NDF : 3294216.9/38

- sign 24.399+/-0.006 χ^2/NDF : 1178467.2/20

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/18

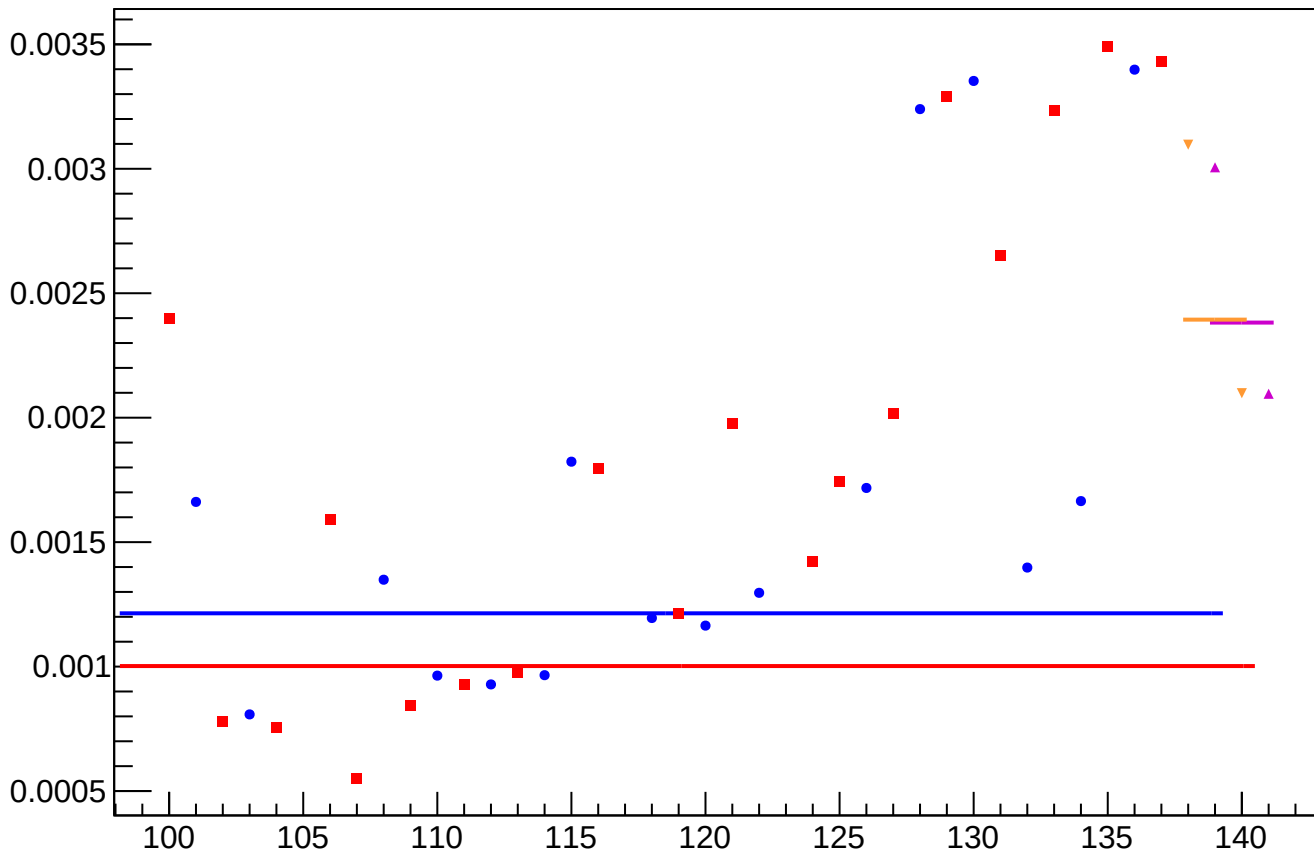
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.4/1

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

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/20

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

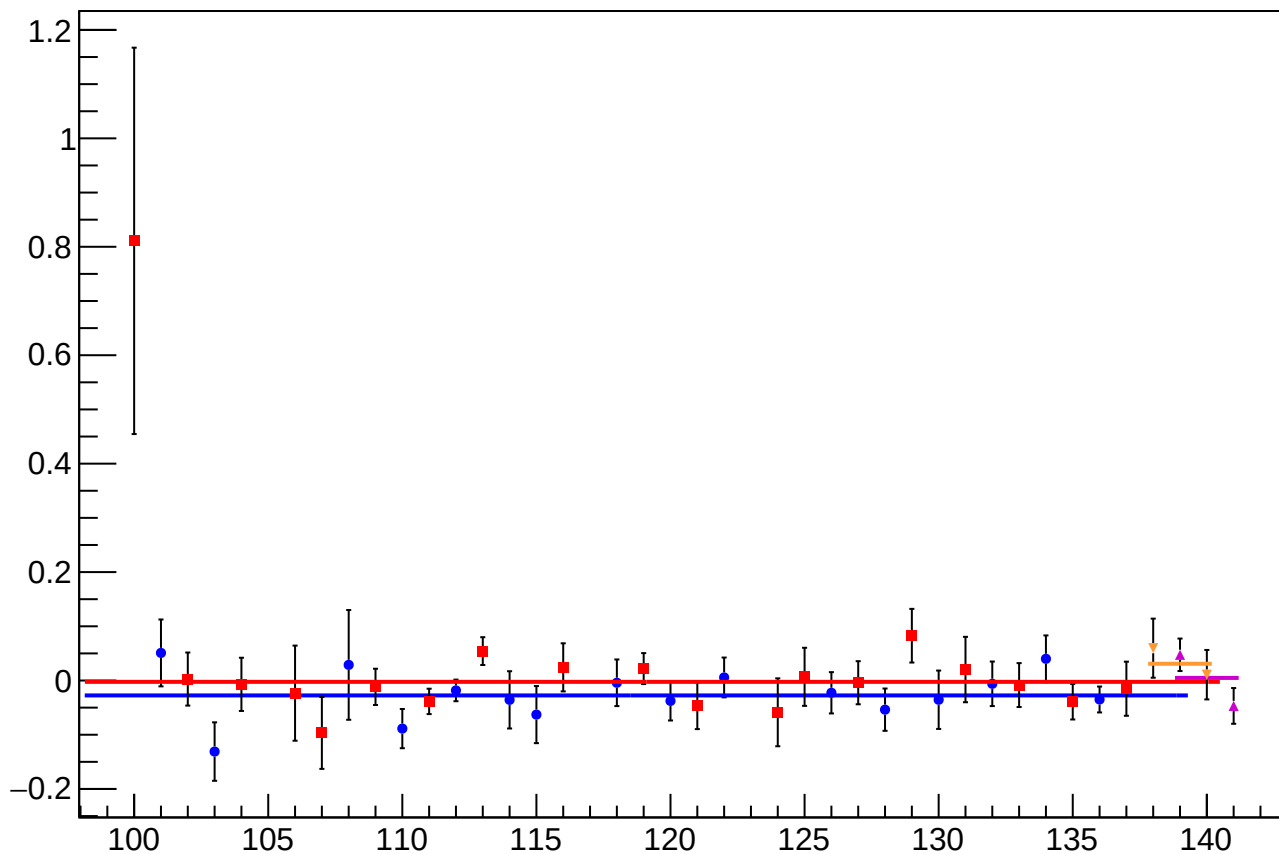
Left In: 0.002+/-0.000 χ^2/NDF :104158.2/1

+ sign 0.001+/-0.000 χ^2/NDF : 3084377.5/17

All: 0.001+/-0.000 χ^2/NDF : 7762864.1/38

- sign 0.001+/-0.000 χ^2/NDF : 4438938.8/20

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

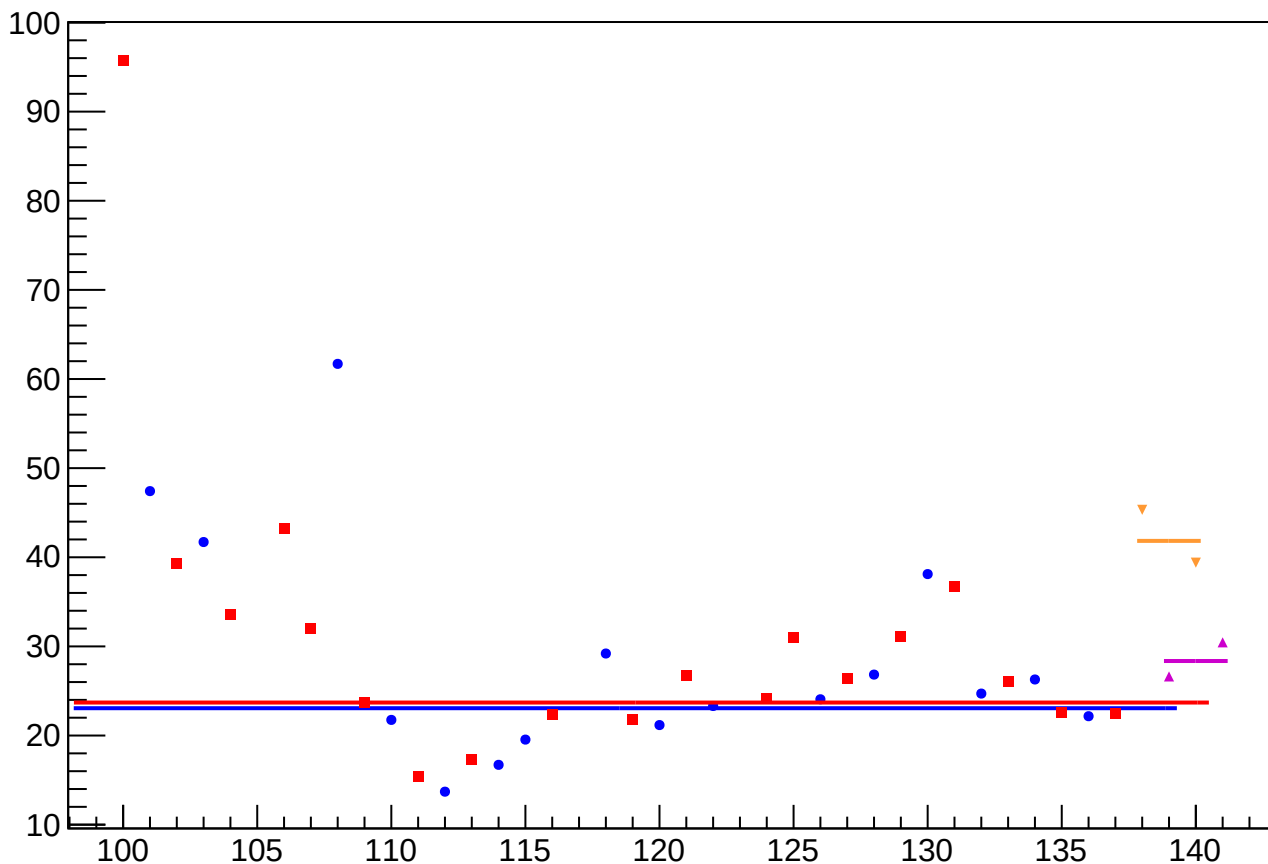
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.012 ± 0.006 χ^2/NDF : 46.6/38

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

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

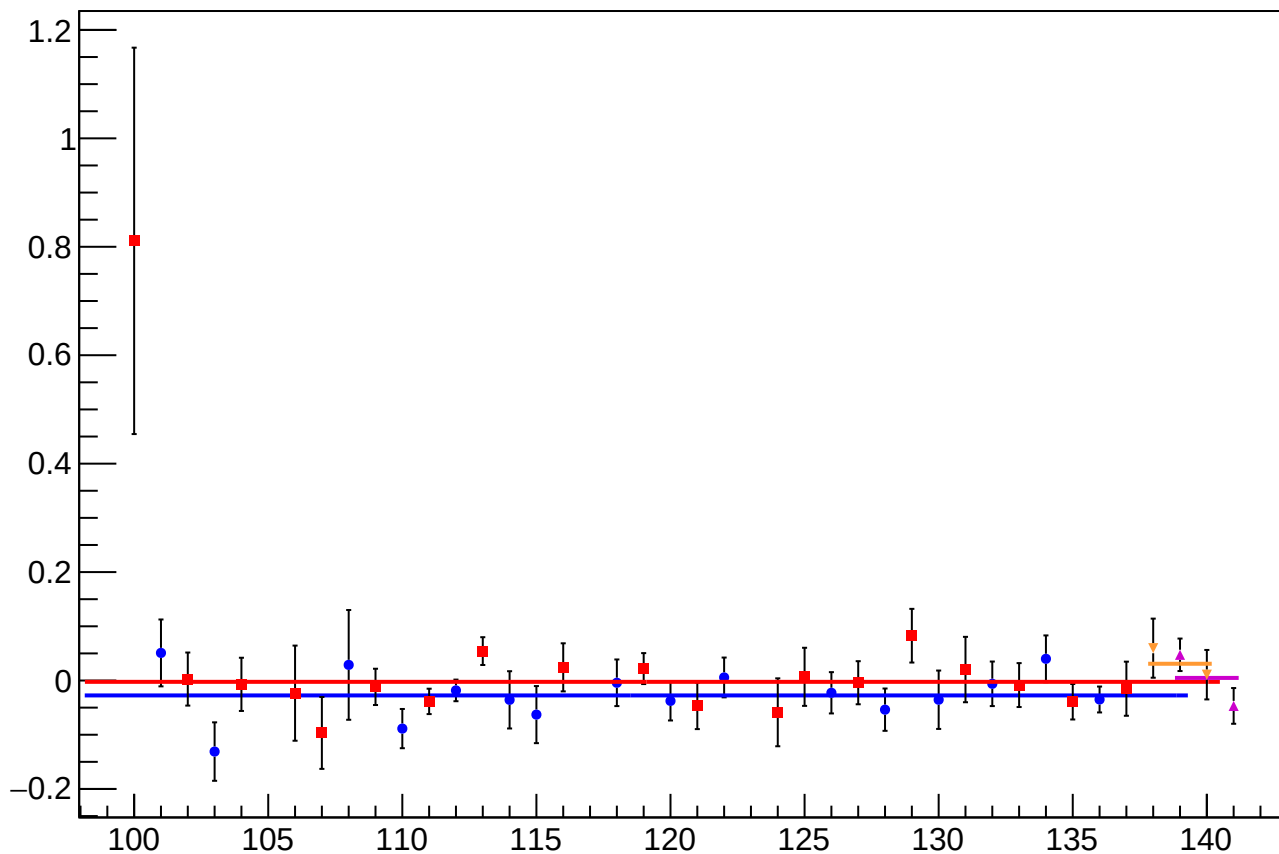
Left In: 28.362 $\pm$ 0.016 χ^2 /NDF:14765.0/1

+ sign 24.328 $\pm$ 0.006 χ^2 /NDF: 2115693.9/17

All: 24.365 $\pm$ 0.004 χ^2 /NDF: 3294262.7/38

- sign 24.399 $\pm$ 0.006 χ^2 /NDF: 1178504.8/20

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

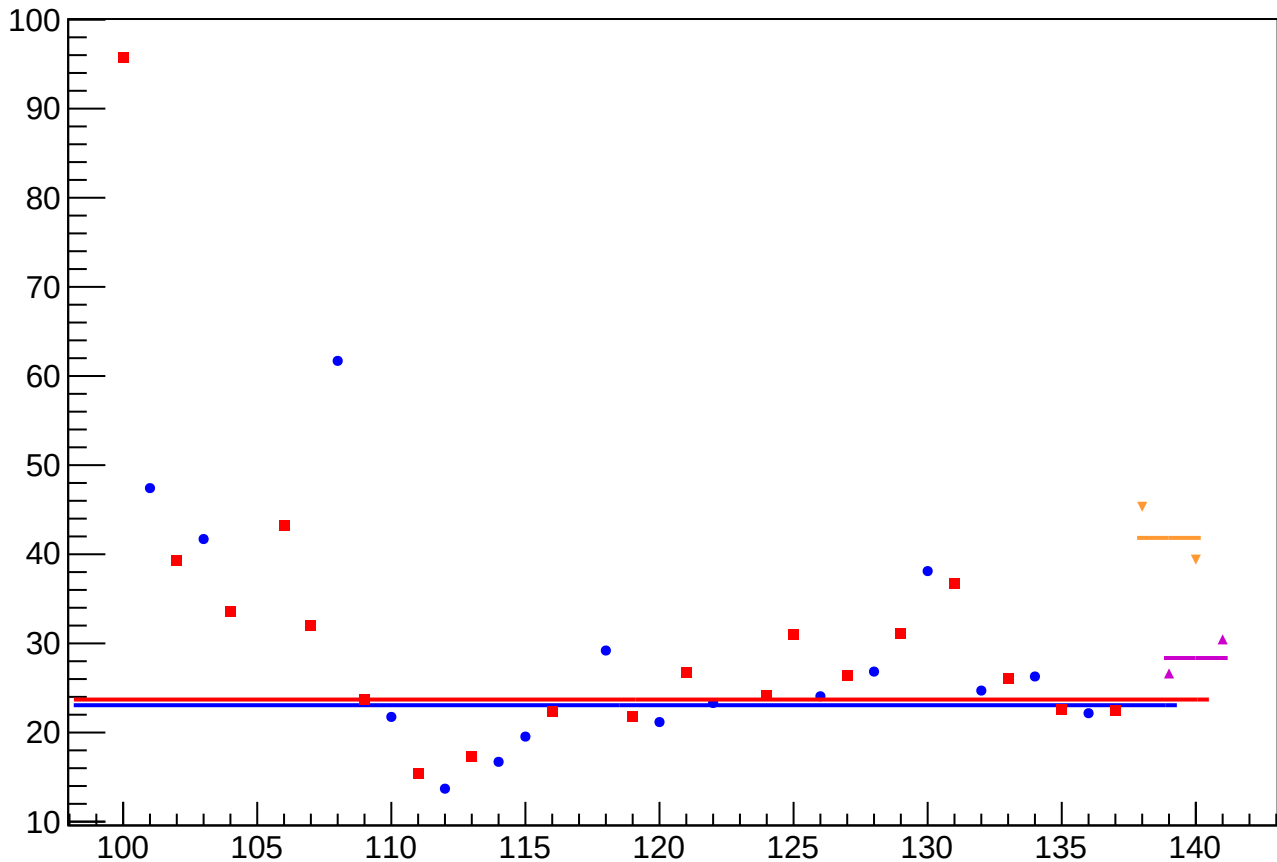
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.024 ± 0.009 χ^2/NDF : 16.7/17

All: -0.012 ± 0.006 χ^2/NDF : 46.6/38

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

asym_sam_15_48_dd_eigen_dit_vs_eigen_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

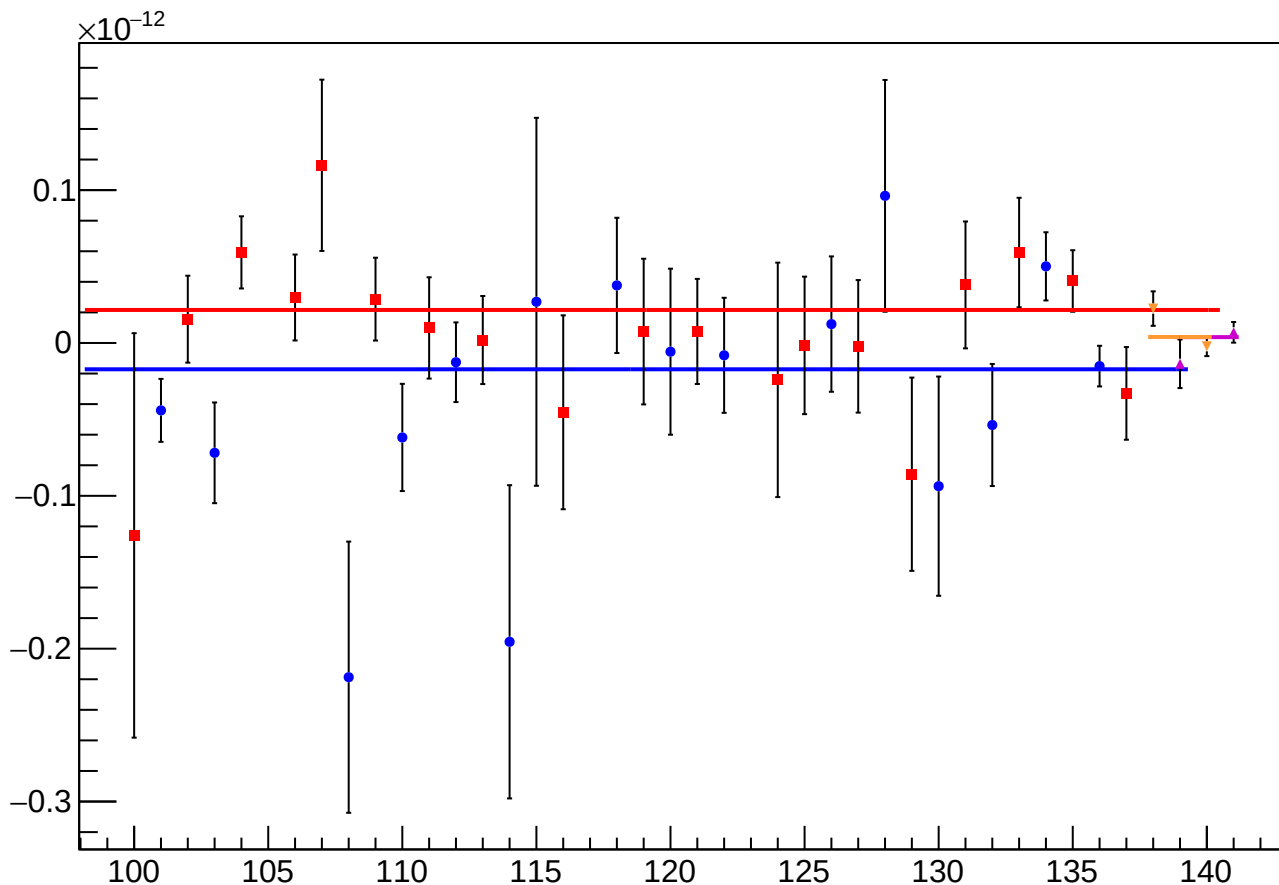
Left In: 28.362 $\pm$ 0.016 χ^2 /NDF:14765.0/1

+ sign 24.328 $\pm$ 0.006 χ^2 /NDF: 2115693.9/17

All: 24.365 $\pm$ 0.004 χ^2 /NDF: 3294262.7/38

- sign 24.399 $\pm$ 0.006 χ^2 /NDF: 1178504.8/20

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

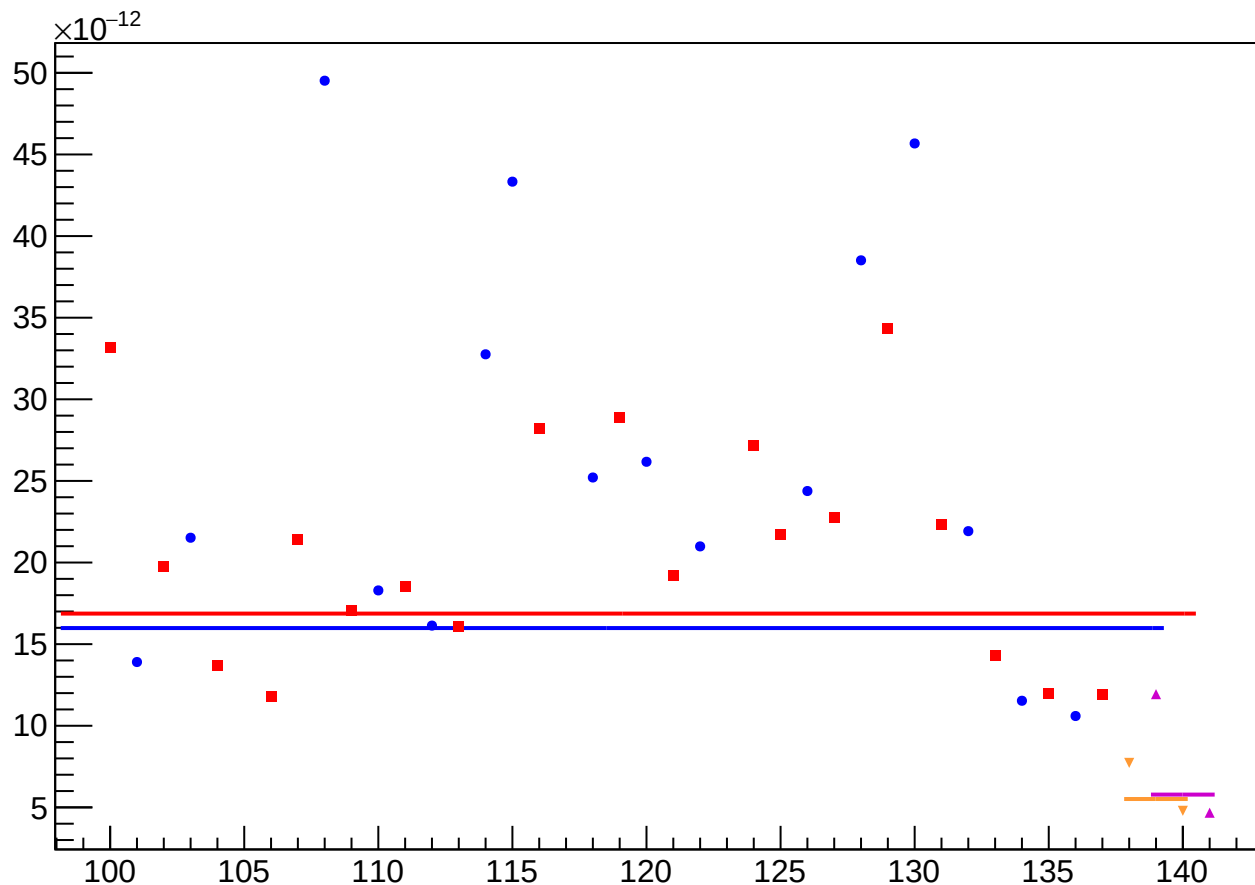
Left In: 0.000 ± 0.000 χ^2/NDF : 1.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 38.3/17

All: 0.000 ± 0.000 χ^2/NDF : 65.3/38

- sign 0.000 ± 0.000 χ^2/NDF : 22.6/20

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

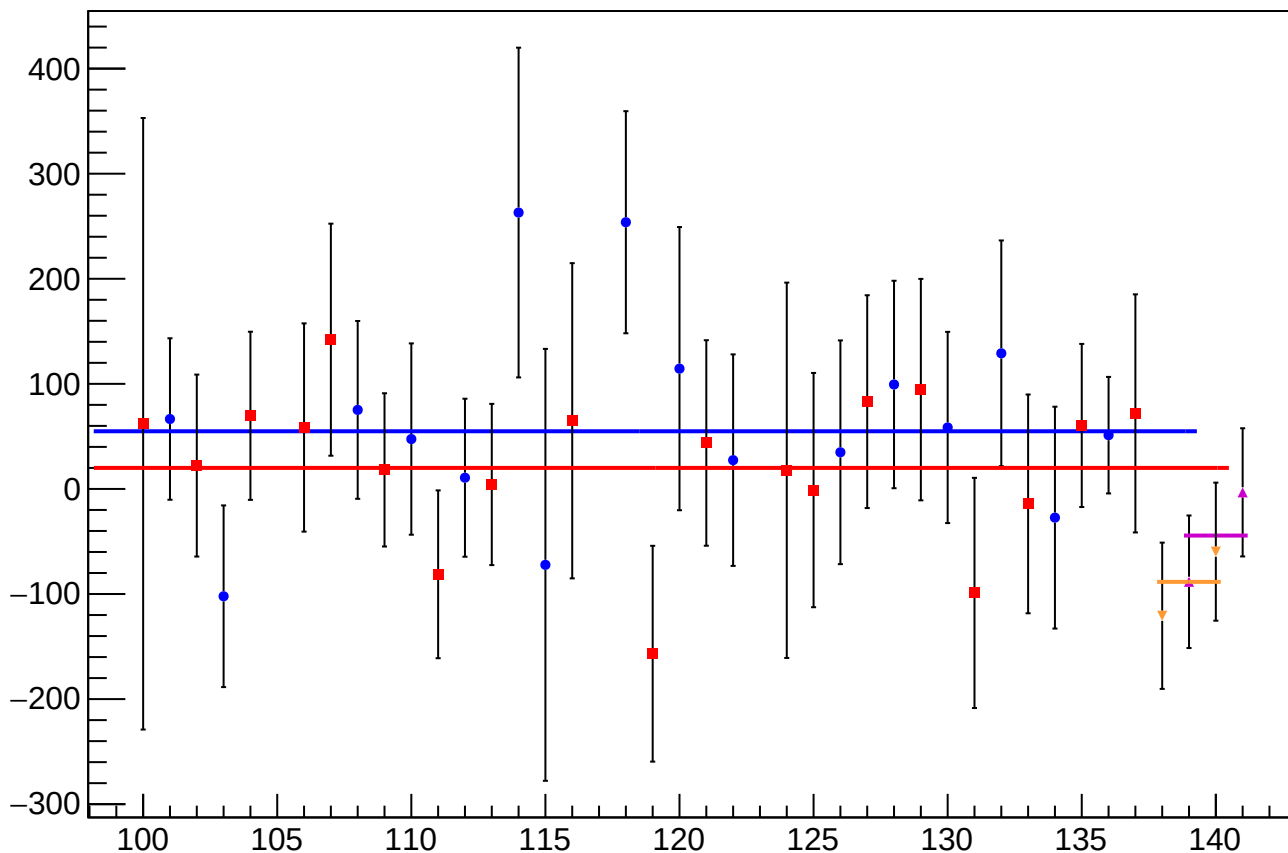
Left In: 0.000+/-0.000 χ^2/NDF : 354073.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4261239.9/17

All: 0.000+/-0.000 χ^2/NDF : 7927481.0/38

- sign 0.000+/-0.000 χ^2/NDF : 3627078.0/20

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

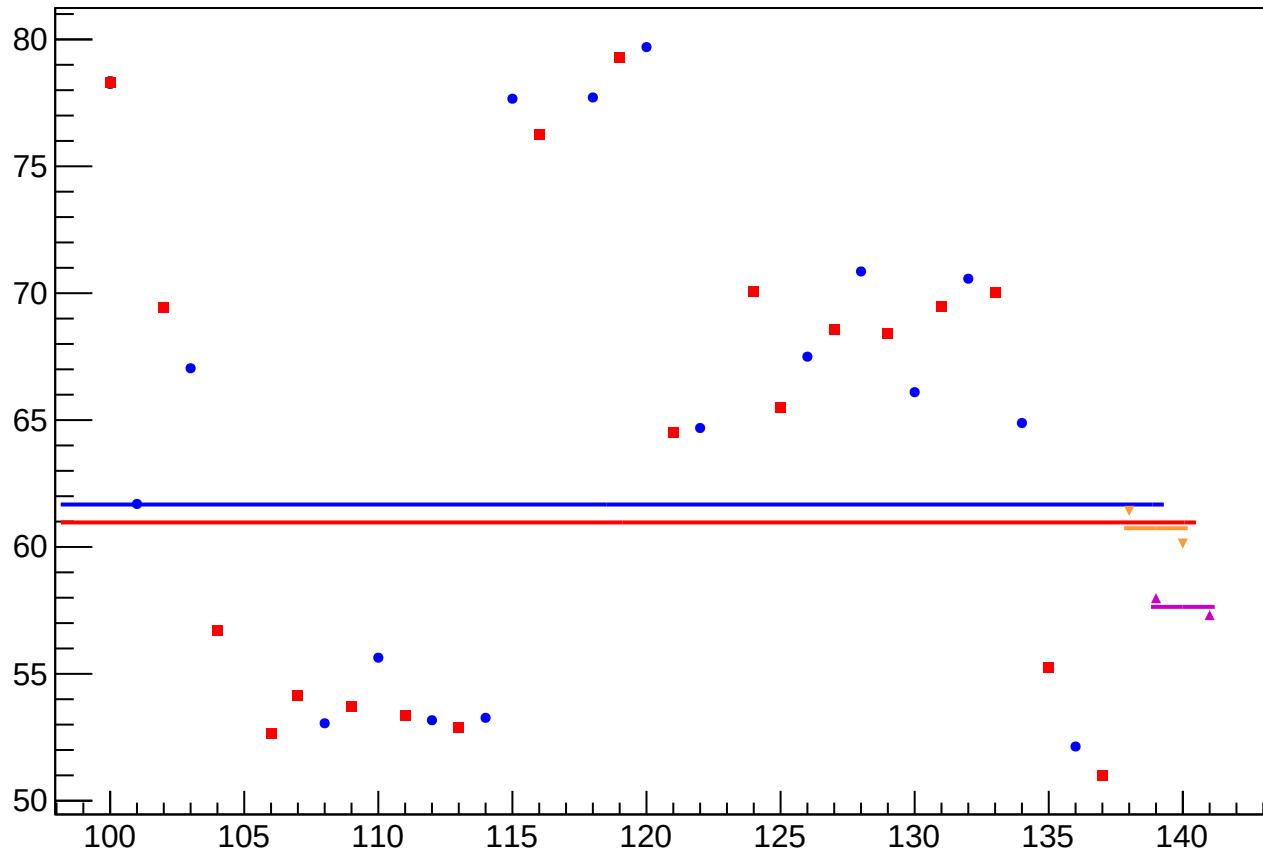
Left In: -44.365 $\pm$ 43.841 χ^2 /NDF: 0.9/1

+ sign 27.575 $\pm$ 20.854 χ^2 /NDF: 18.7/17

All: 16.648 $\pm$ 14.460 χ^2 /NDF: 31.1/38

- sign 6.530 $\pm$ 20.068 χ^2 /NDF: 11.9/20

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2 /NDF: 267108.1/15

Left Out: 60.739 $\pm$ 0.034 χ^2 /NDF: 363.6/1

Right Out: 60.967 $\pm$ 0.016 χ^2 /NDF: 284183.4/18

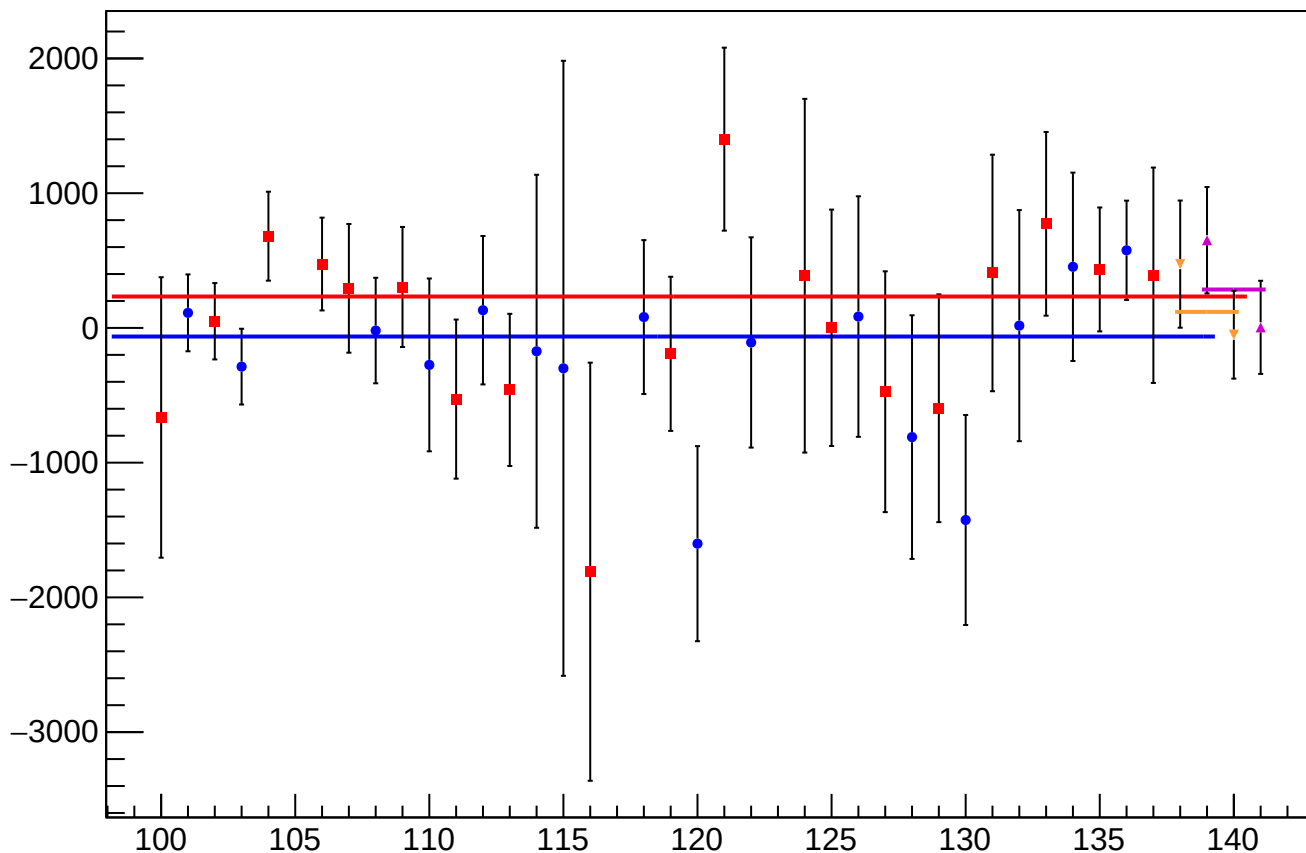
Left In: 57.640 $\pm$ 0.031 χ^2 /NDF: 115.7/1

+ sign 61.495 $\pm$ 0.015 χ^2 /NDF: 268090.3/17

All: 60.859 $\pm$ 0.010 χ^2 /NDF: 565079.5/38

- sign 60.269 $\pm$ 0.014 χ^2 /NDF: 293403.0/20

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

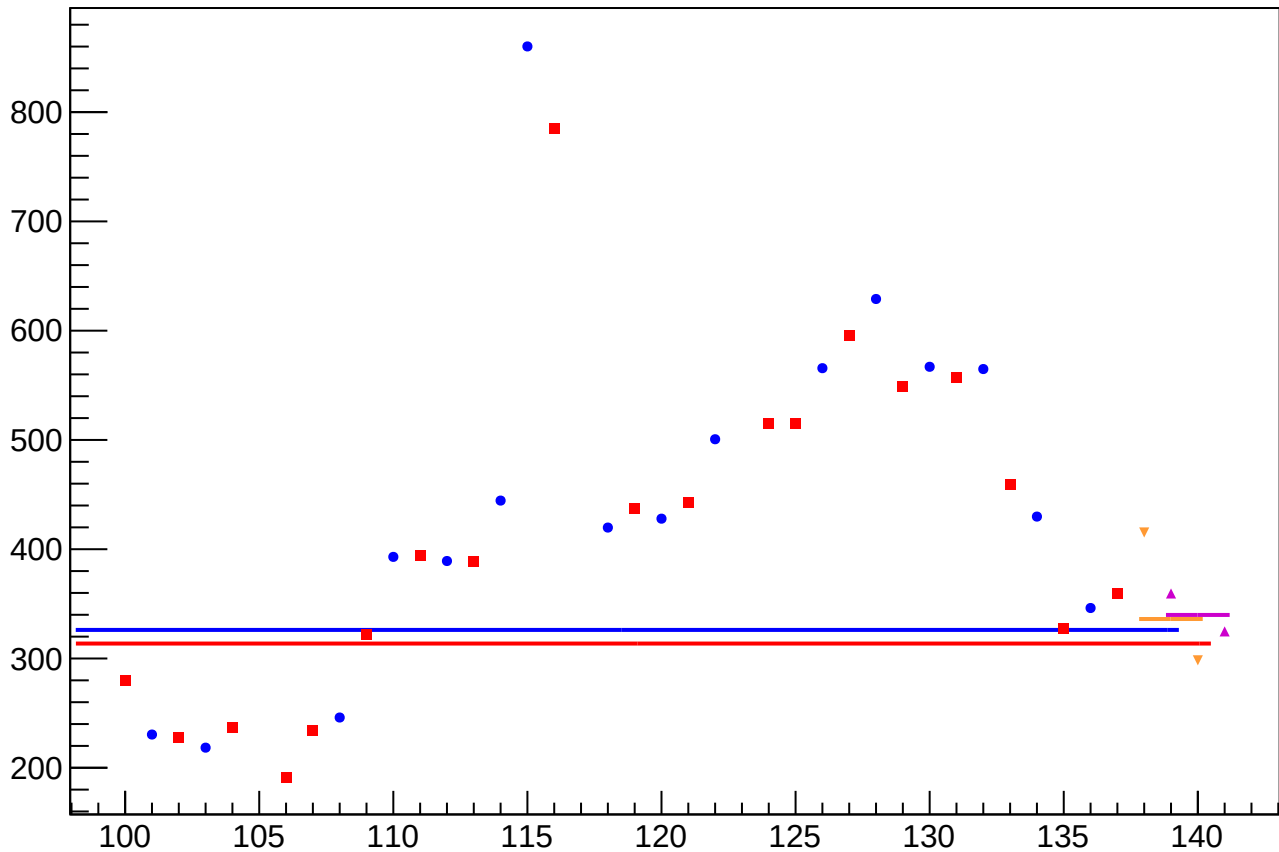
Left In: 285.061 ± 260.051 χ^2/NDF : 1.5/1

+ sign -29.210 ± 116.753 χ^2/NDF : 14.4/17

All: 113.545 ± 80.459 χ^2/NDF : 33.3/38

- sign 242.660 ± 111.035 χ^2/NDF : 16.1/20

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147 $\pm$ 0.092 χ^2 /NDF: 1733995.5/15

Left Out: 336.135 $\pm$ 0.190 χ^2 /NDF: 83194.4/1

Right Out: 313.672 $\pm$ 0.087 χ^2 /NDF: 1787347.3/18

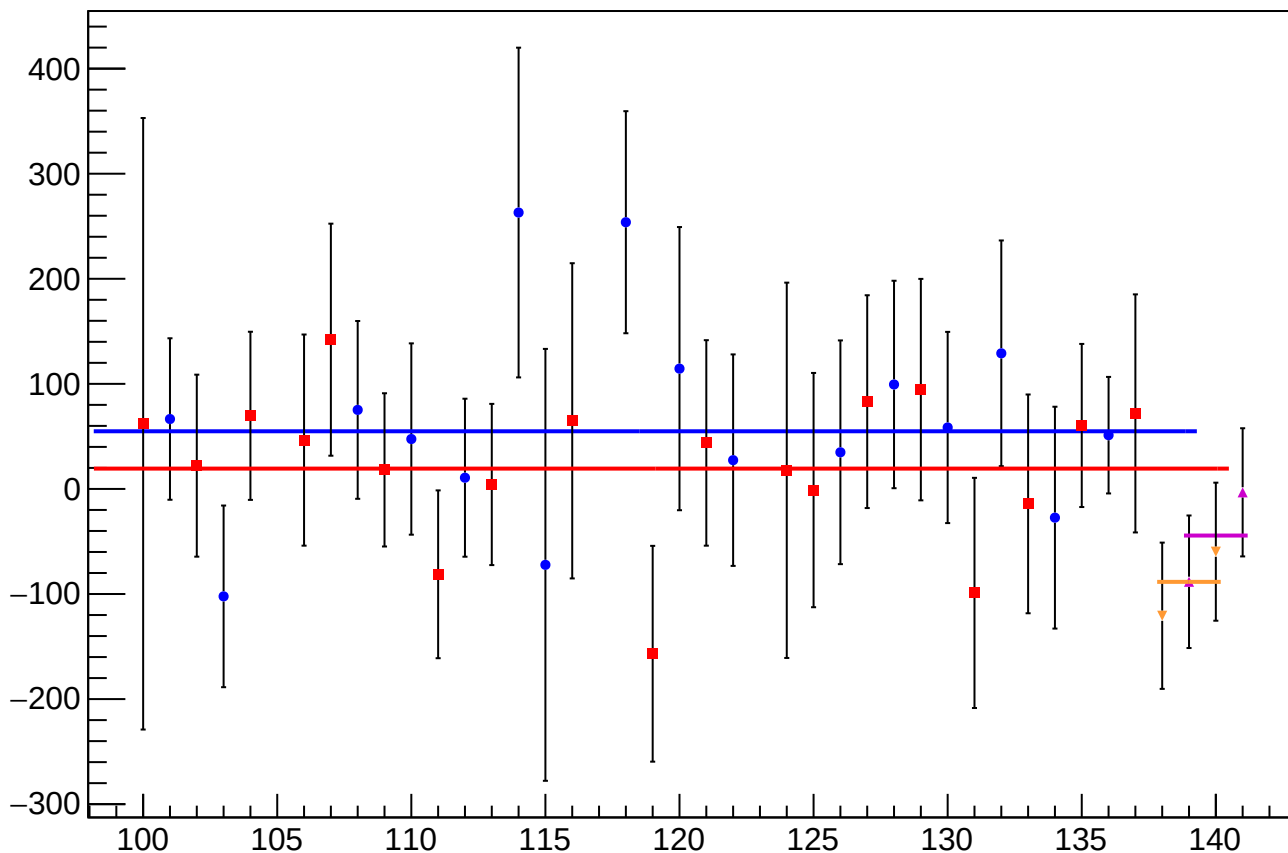
Left In: 339.855 $\pm$ 0.184 χ^2 /NDF: 8752.9/1

+ sign 328.039 $\pm$ 0.083 χ^2 /NDF: 1819436.4/17

All: 323.001 $\pm$ 0.057 χ^2 /NDF: 3639204.8/38

- sign 318.445 $\pm$ 0.079 χ^2 /NDF: 1812678.4/20

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

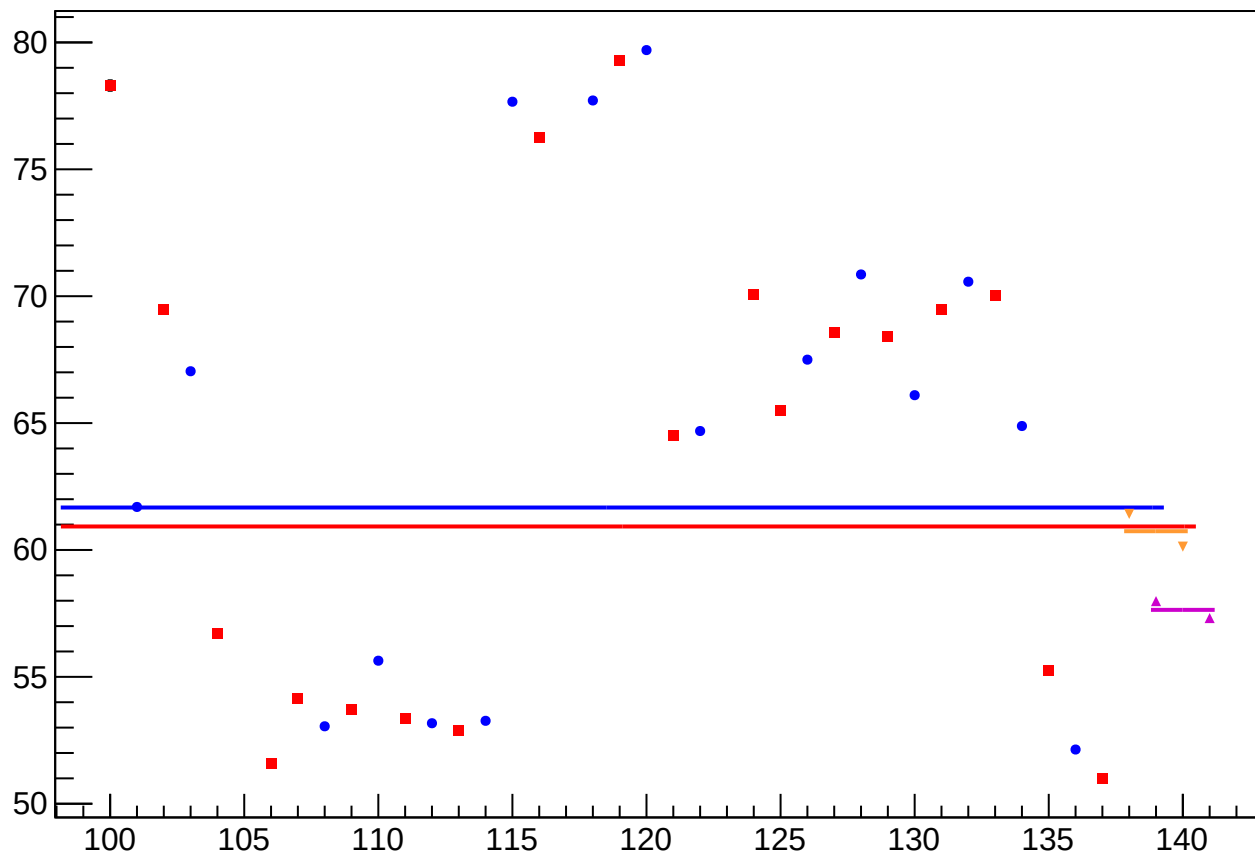
Left In: -44.360 $\pm$ 43.841 χ^2 /NDF: 0.9/1

+ sign 27.569 $\pm$ 20.854 χ^2 /NDF: 18.7/17

All: 16.370 $\pm$ 14.464 χ^2 /NDF: 31.0/38

- sign 5.988 $\pm$ 20.079 χ^2 /NDF: 11.8/20

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

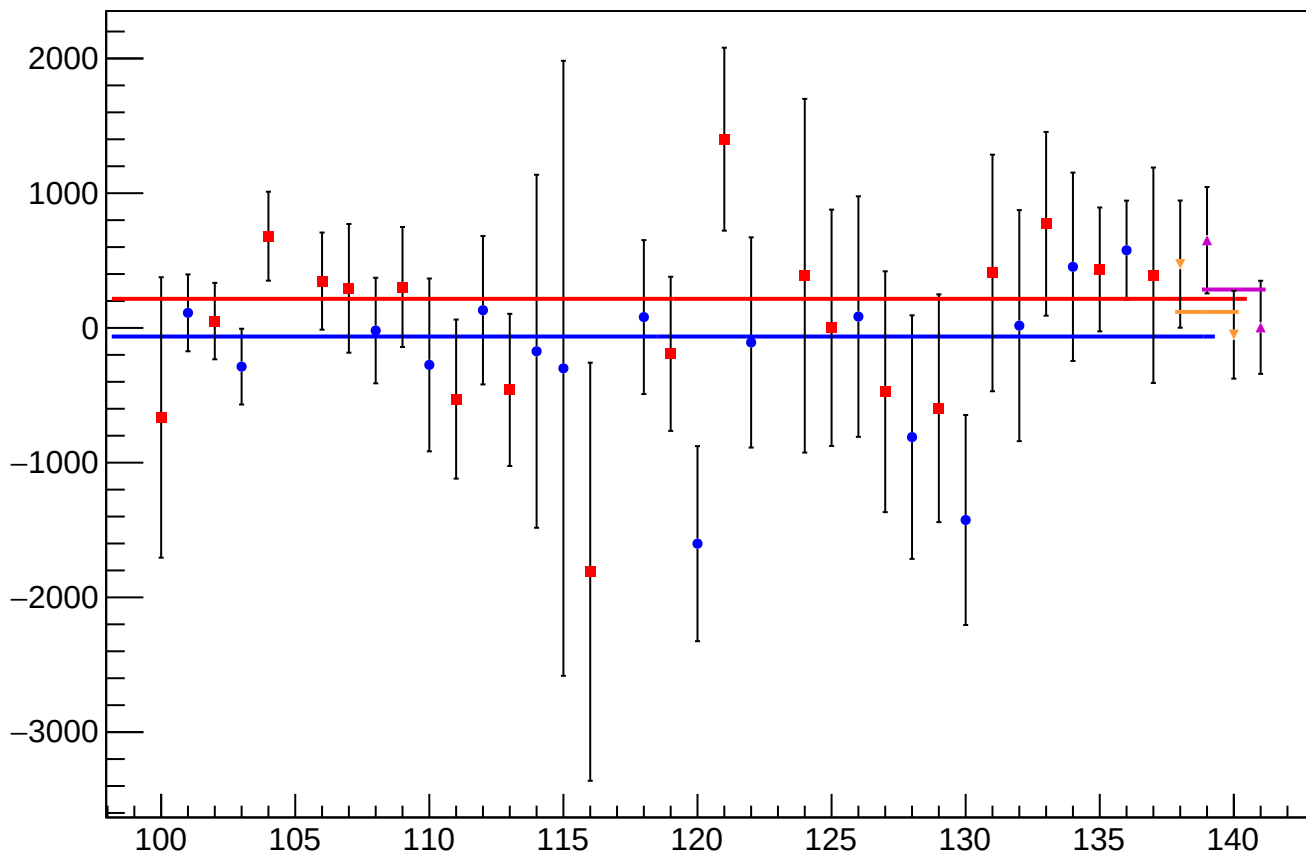
Left In: 57.640 $\pm$ 0.031 χ^2 /NDF: 115.7/1

+ sign 61.495 $\pm$ 0.015 χ^2 /NDF: 268090.5/17

All: 60.842 $\pm$ 0.010 χ^2 /NDF: 568445.3/38

- sign 60.236 $\pm$ 0.014 χ^2 /NDF: 296574.6/20

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

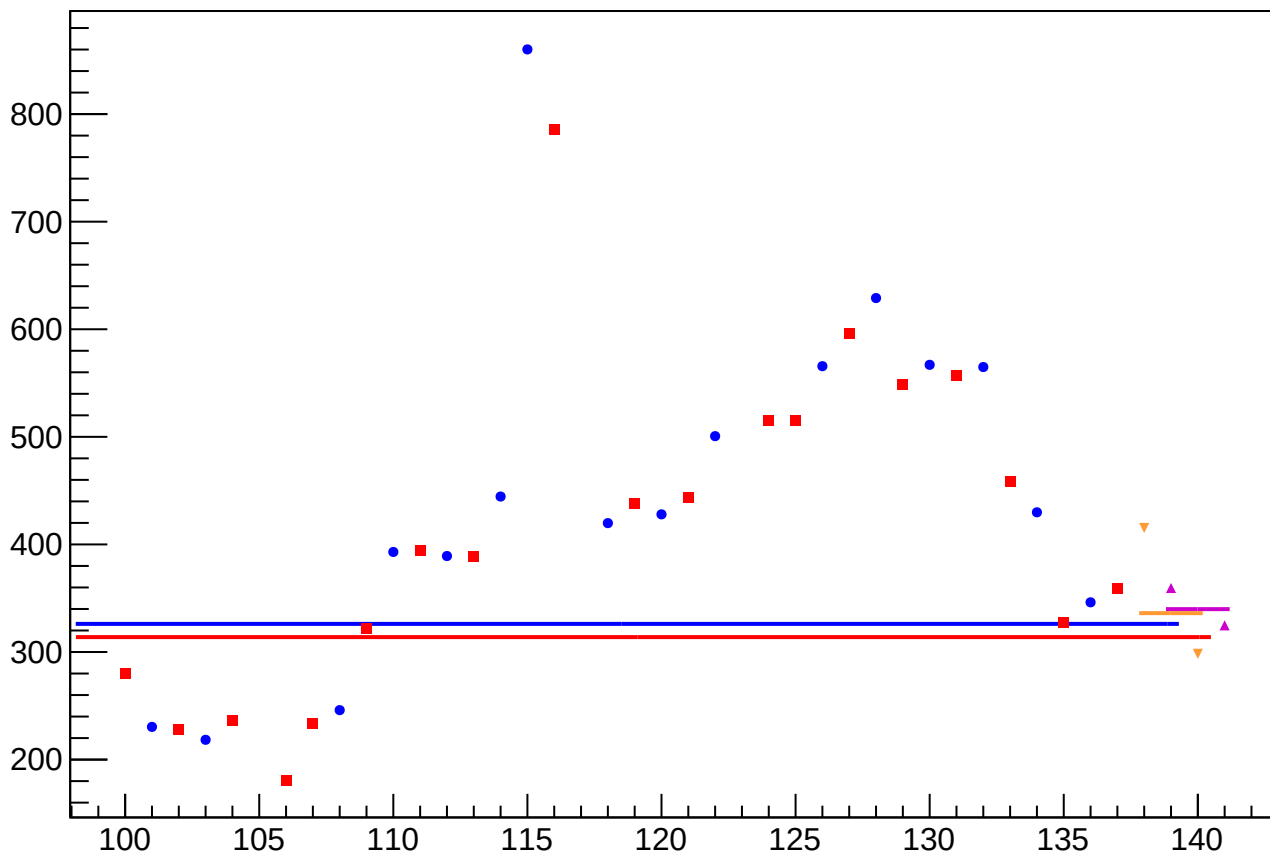
Left In: 285.063 ± 260.051 χ^2/NDF : 1.5/1

+ sign -29.200 ± 116.754 χ^2/NDF : 14.4/17

All: 105.589 ± 80.656 χ^2/NDF : 32.6/38

- sign 228.636 ± 111.552 χ^2/NDF : 15.7/20

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF : 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF : 83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF : 1805779.4/18

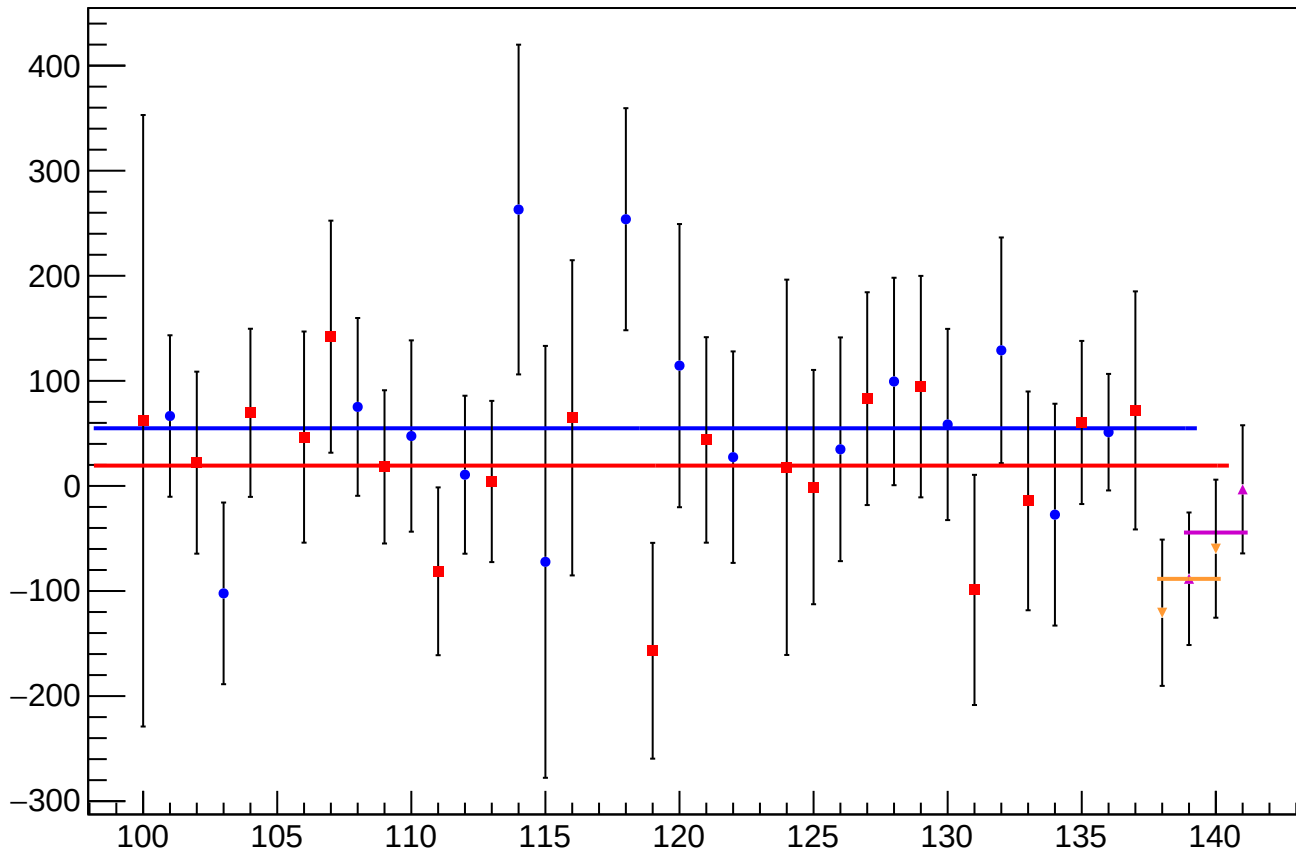
Left In: 339.855+/-0.184 χ^2/NDF : 8752.5/1

+ sign 328.041+/-0.083 χ^2/NDF : 1819374.5/17

All: 323.128+/-0.057 χ^2/NDF : 3656985.2/38

- sign 318.644+/-0.079 χ^2/NDF : 1830838.0/20

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877 $\pm$ 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

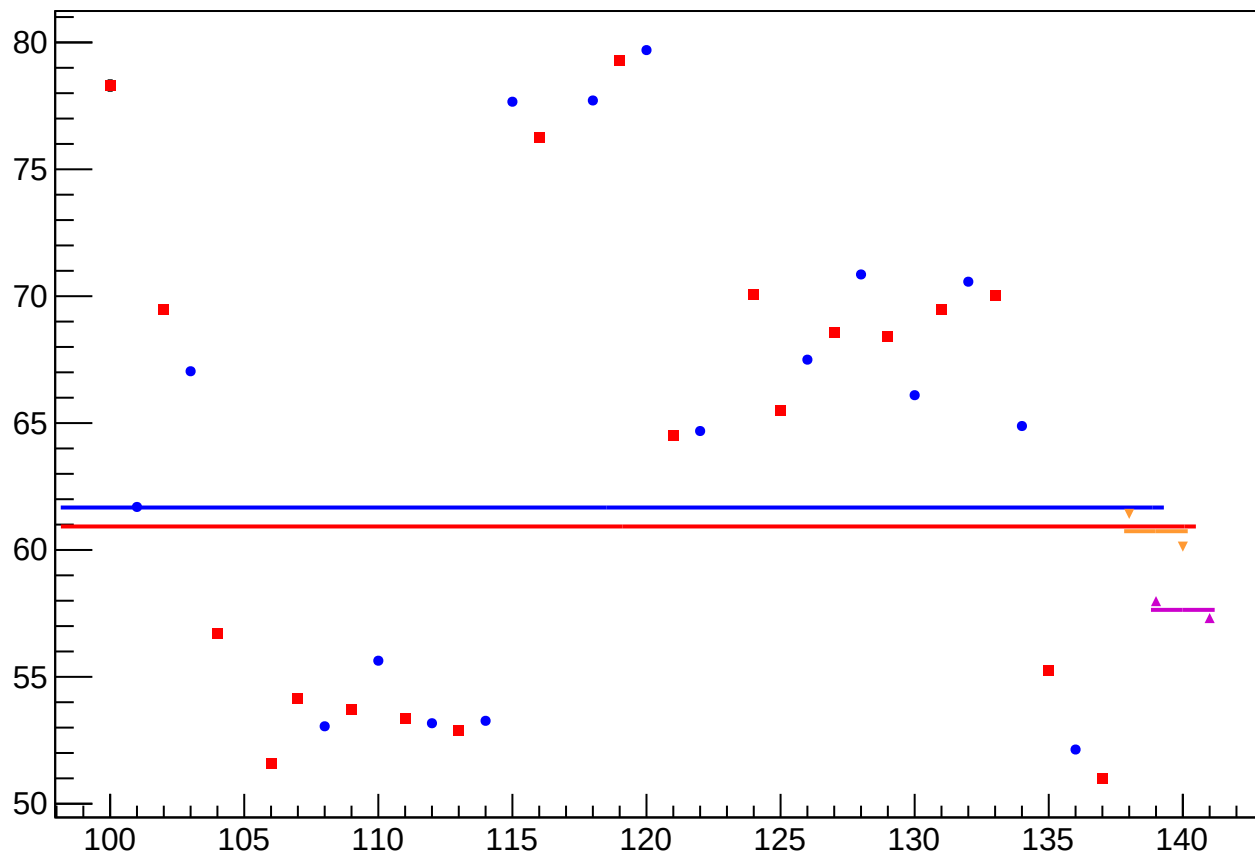
Left In: -44.360 $\pm$ 43.841 χ^2 /NDF: 0.9/1

+ sign 27.569 $\pm$ 20.854 χ^2 /NDF: 18.7/17

All: 16.370 $\pm$ 14.464 χ^2 /NDF: 31.0/38

- sign 5.988 $\pm$ 20.079 χ^2 /NDF: 11.8/20

eigen_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

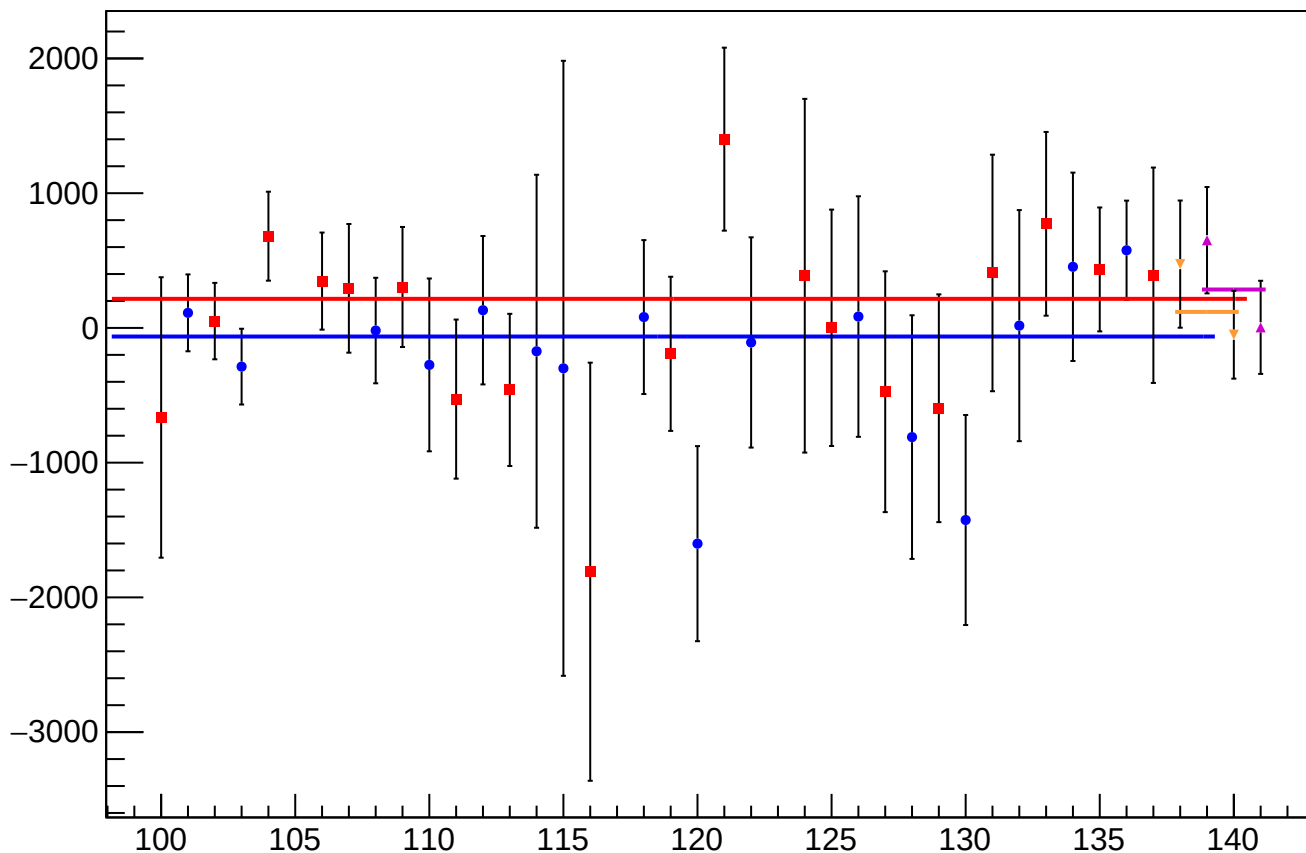
Left In: 57.640 $\pm$ 0.031 χ^2/NDF : 115.7/1

+ sign 61.495 $\pm$ 0.015 χ^2/NDF : 268090.5/17

All: 60.842 $\pm$ 0.010 χ^2/NDF : 568445.3/38

- sign 60.236 $\pm$ 0.014 χ^2/NDF : 296574.6/20

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

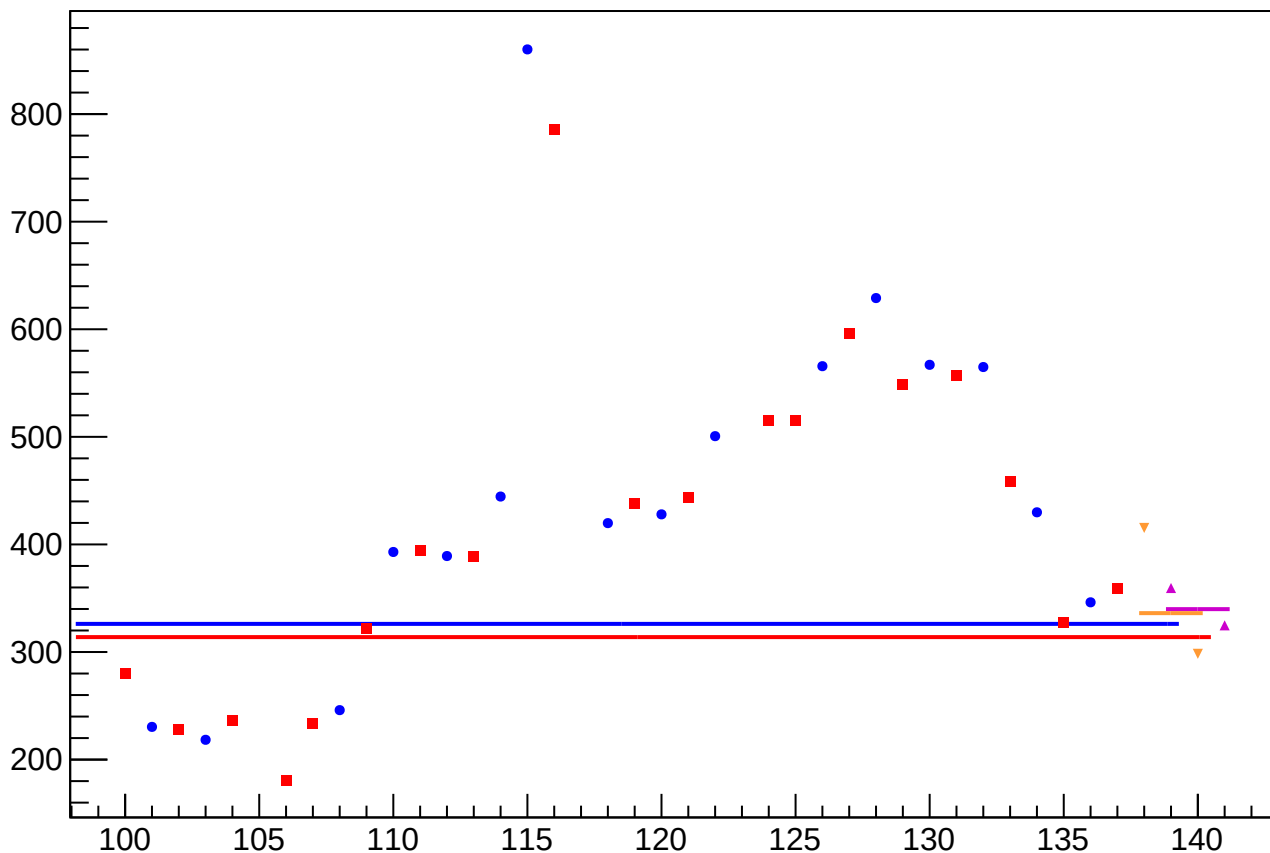
Left In: 285.063 ± 260.051 χ^2/NDF : 1.5/1

+ sign -29.200 ± 116.754 χ^2/NDF : 14.4/17

All: 105.589 ± 80.656 χ^2/NDF : 32.6/38

- sign 228.636 ± 111.552 χ^2/NDF : 15.7/20

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

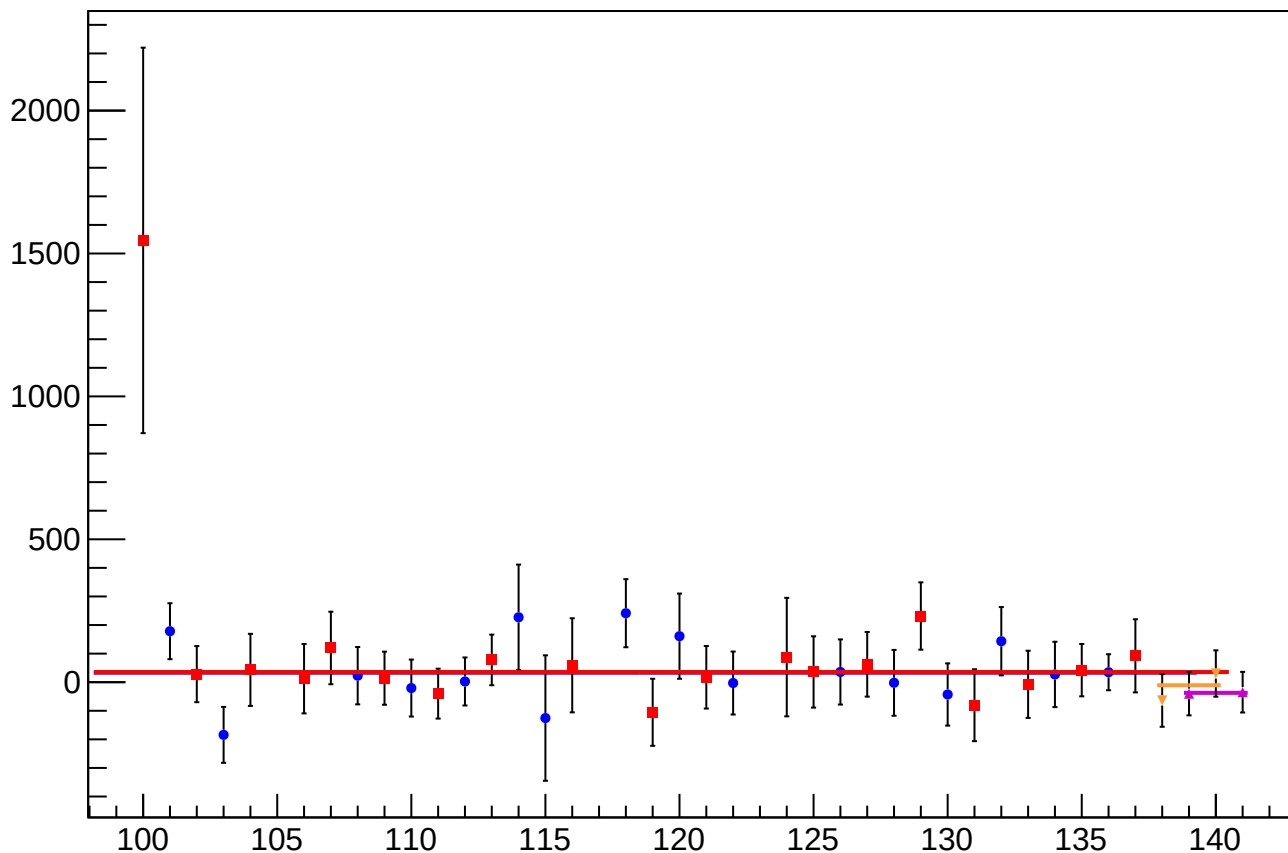
Left In: 339.855+/-0.184 χ^2/NDF : 8752.5/1

+ sign 328.041+/-0.083 χ^2/NDF : 1819374.5/17

All: 323.128+/-0.057 χ^2/NDF : 3656985.2/38

- sign 318.644+/-0.079 χ^2/NDF : 1830838.0/20

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF : 14.5/15

Left Out: -10.730+/-60.867 χ^2/NDF : 0.6/1

Right Out: 35.576+/-26.536 χ^2/NDF : 12.1/18

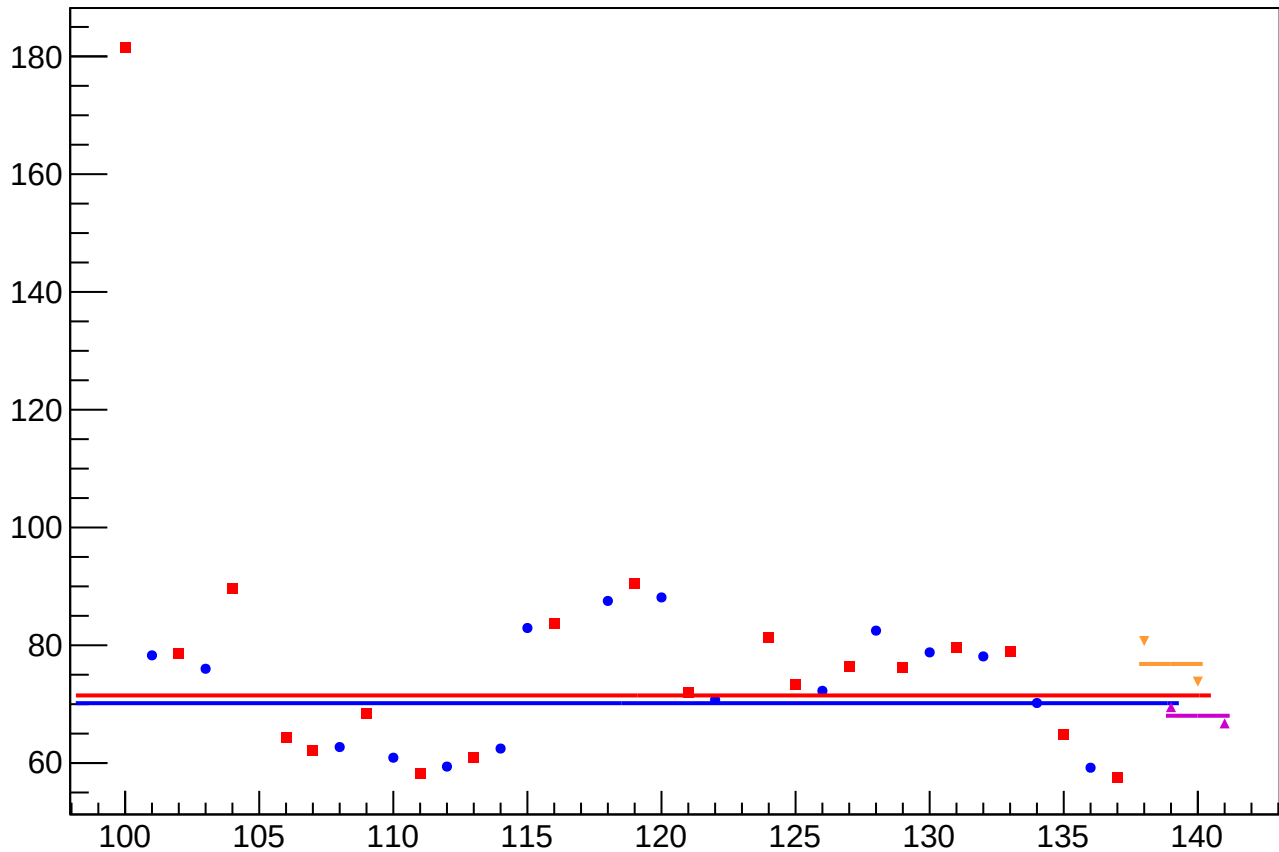
Left In: -37.332+/-51.869 χ^2/NDF : 0.0/1

+ sign 26.405+/-24.231 χ^2/NDF : 15.6/17

All: 23.353+/-16.915 χ^2/NDF : 29.3/38

- sign 20.452+/-23.624 χ^2/NDF : 13.7/20

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF : 269249.9/15

Left Out: 76.829+/-0.043 χ^2/NDF : 6313.4/1

Right Out: 71.483+/-0.019 χ^2/NDF : 325715.0/18

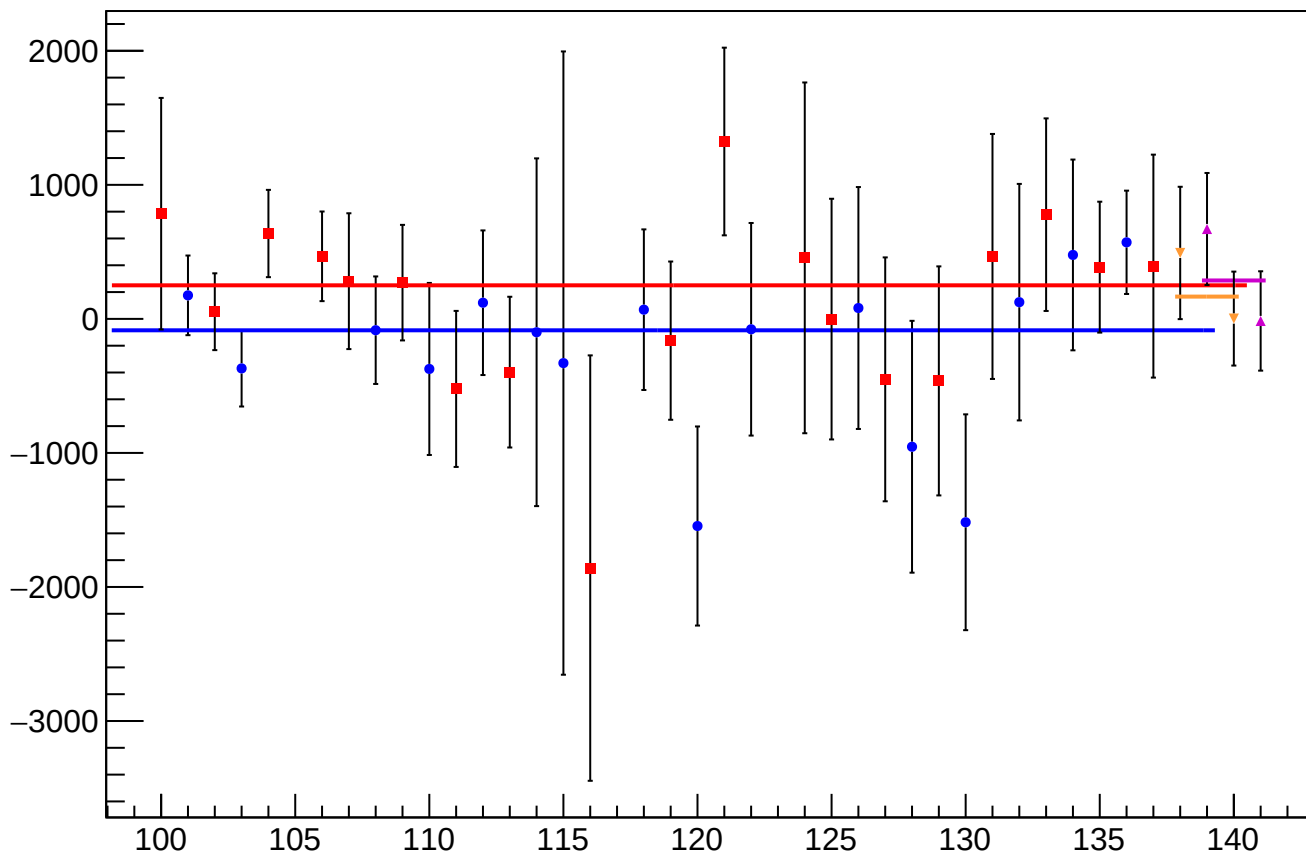
Left In: 68.034+/-0.037 χ^2/NDF : 1412.5/1

+ sign 71.223+/-0.017 χ^2/NDF : 295725.2/17

All: 70.990+/-0.012 χ^2/NDF : 630224.4/38

- sign 70.768+/-0.017 χ^2/NDF : 334136.9/20

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184 ± 132.877 χ^2/NDF : 13.7/15

Left Out: 166.297 ± 285.771 χ^2/NDF : 0.7/1

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

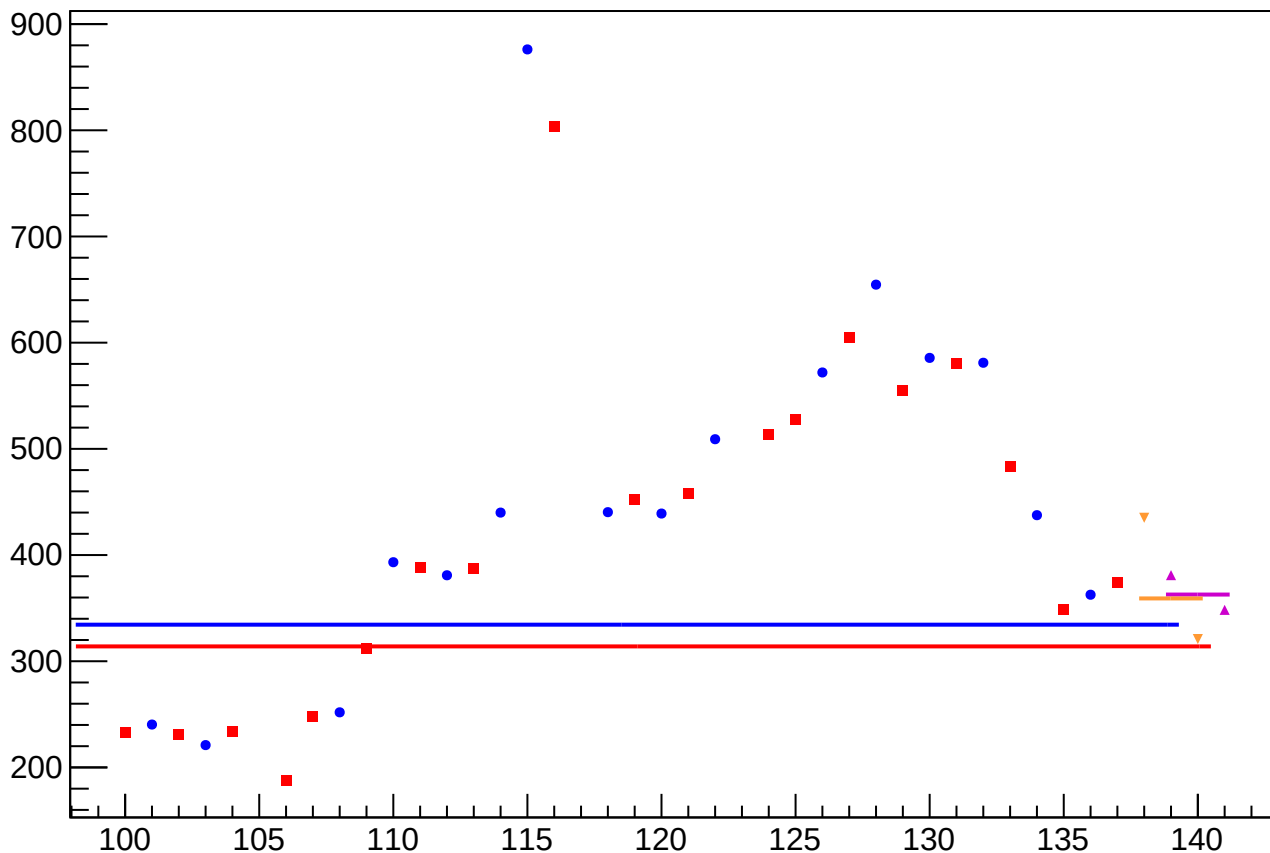
Left In: 286.666 ± 277.302 χ^2/NDF : 1.5/1

+ sign -40.479 ± 120.489 χ^2/NDF : 15.0/17

All: 117.921 ± 82.294 χ^2/NDF : 32.2/38

- sign 256.420 ± 112.666 χ^2/NDF : 14.0/20

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF : 1730610.2/15

Left Out: 359.147+/-0.202 χ^2/NDF : 71176.9/1

Right Out: 313.971+/-0.087 χ^2/NDF : 1904605.9/18

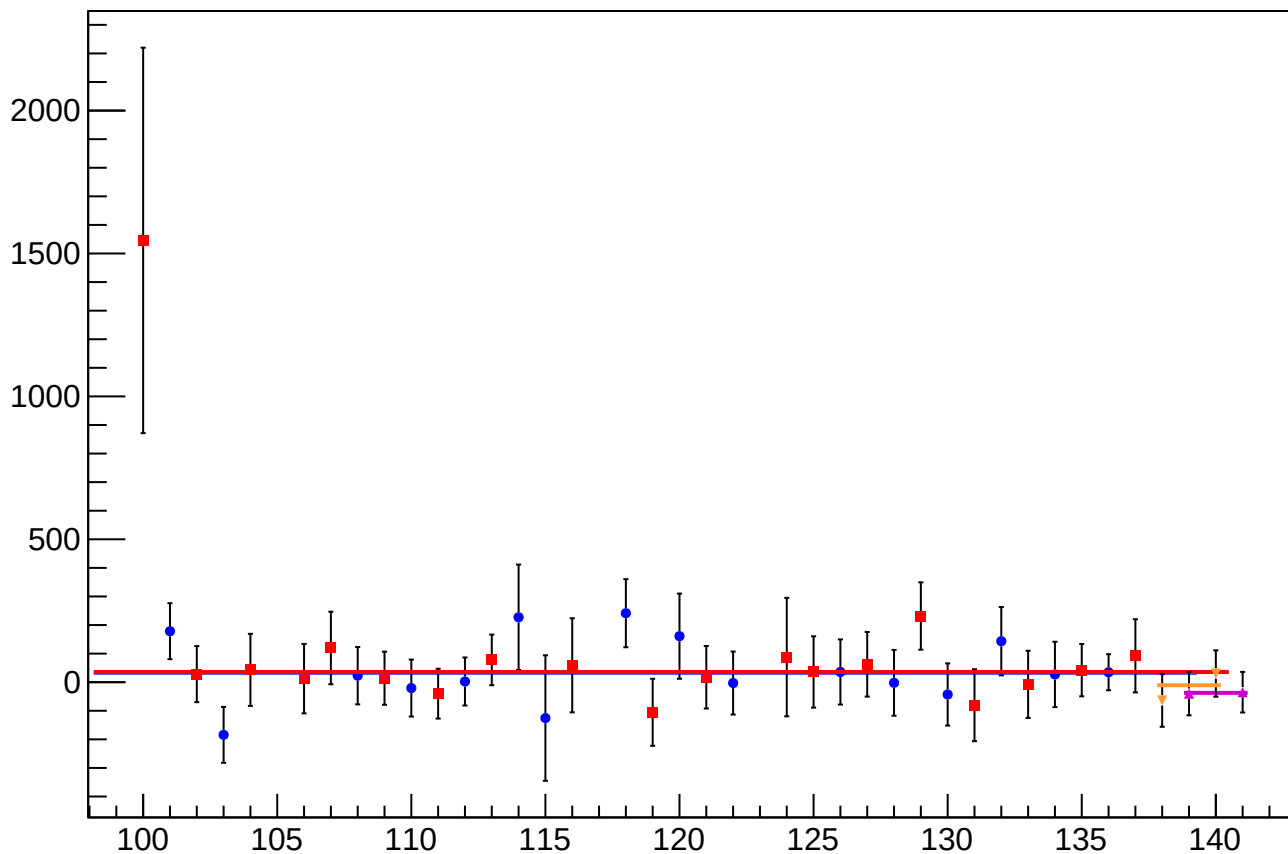
Left In: 362.796+/-0.196 χ^2/NDF : 6850.0/1

+ sign 338.825+/-0.085 χ^2/NDF : 1814088.2/17

All: 329.865+/-0.058 χ^2/NDF : 3798040.3/38

- sign 322.031+/-0.080 χ^2/NDF : 1963223.0/20

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF : 14.5/15

Left Out: -10.731+/-60.867 χ^2/NDF : 0.6/1

Right Out: 35.577+/-26.536 χ^2/NDF : 12.1/18

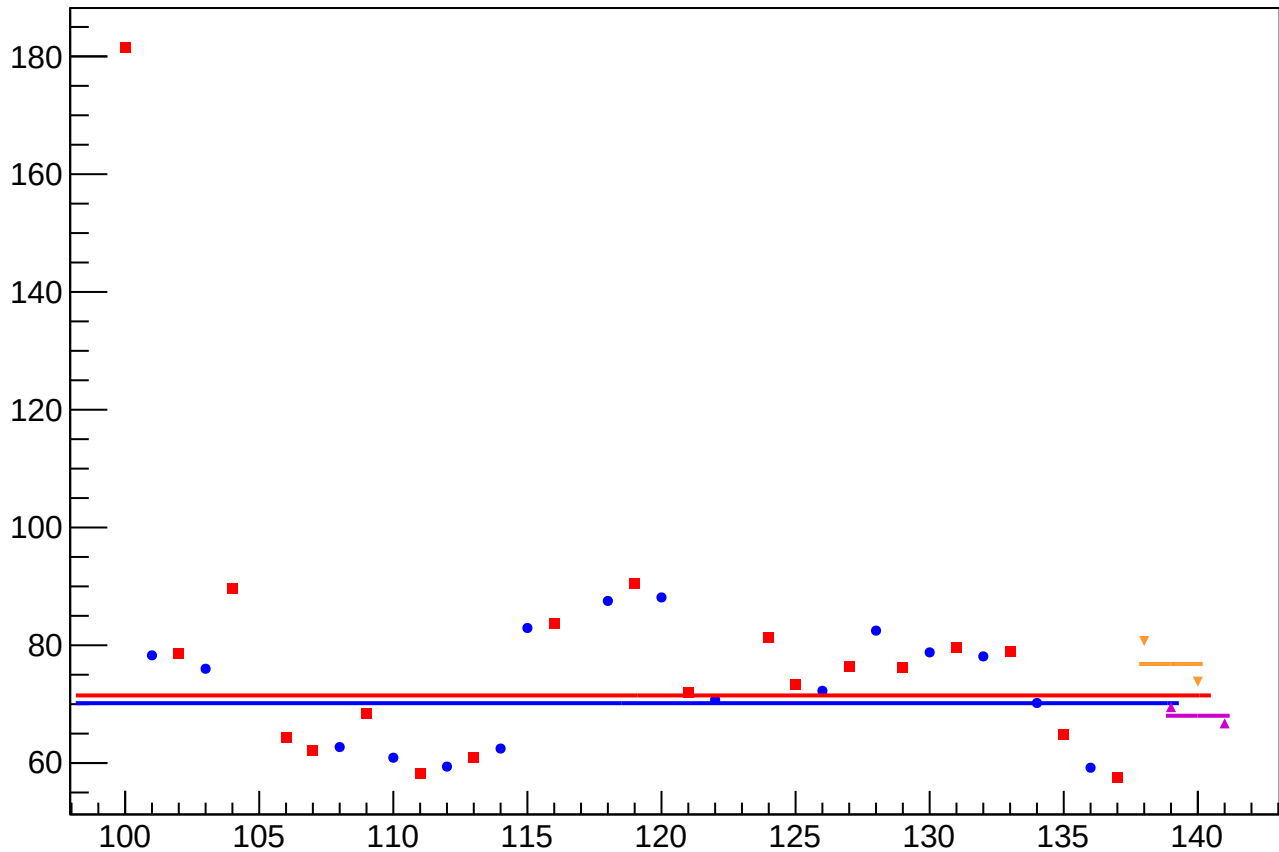
Left In: -37.334+/-51.869 χ^2/NDF : 0.0/1

+ sign 26.404+/-24.231 χ^2/NDF : 15.6/17

All: 23.352+/-16.915 χ^2/NDF : 29.3/38

- sign 20.452+/-23.624 χ^2/NDF : 13.7/20

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167 $\pm$ 0.019 χ^2 /NDF: 269253.0/15

Left Out: 76.829 $\pm$ 0.043 χ^2 /NDF: 6313.4/1

Right Out: 71.483 $\pm$ 0.019 χ^2 /NDF: 325721.5/18

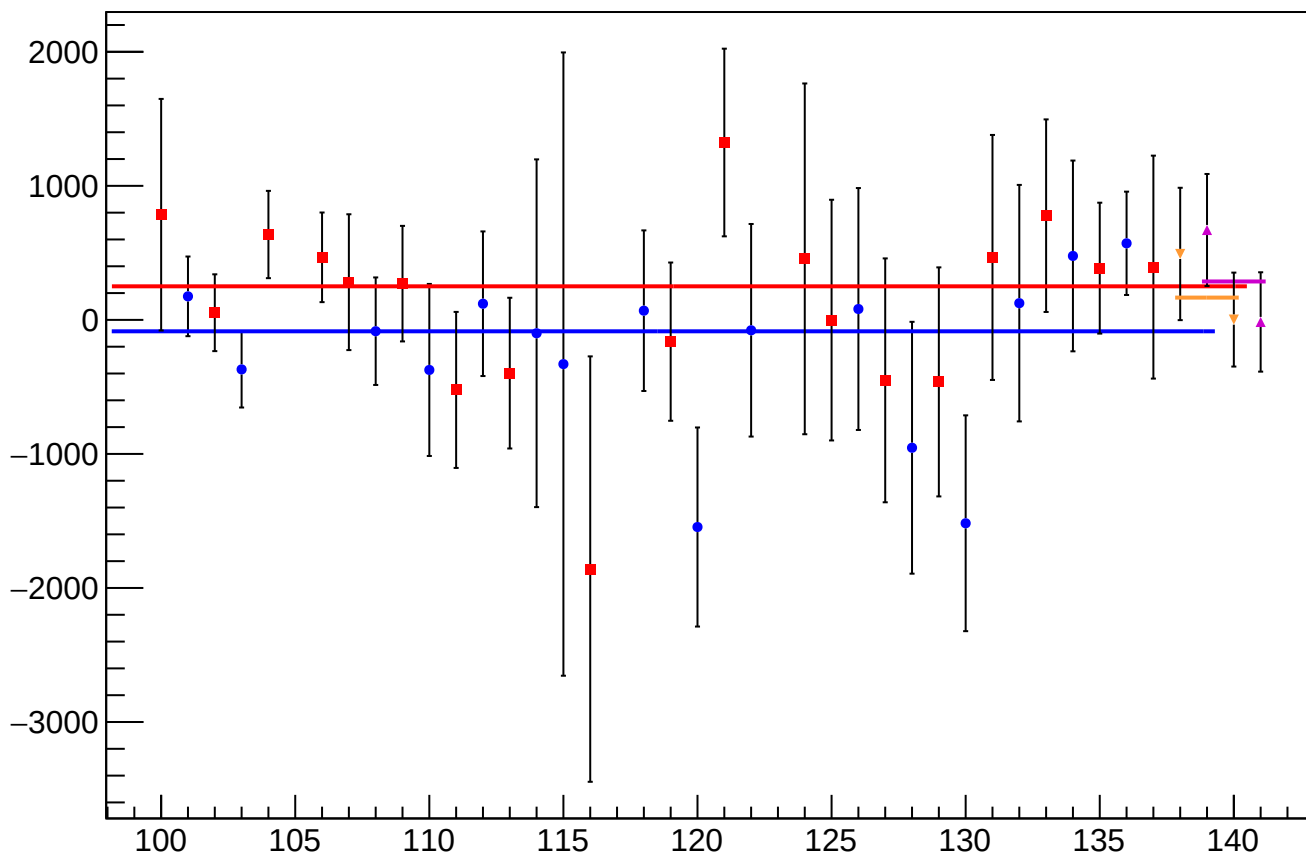
Left In: 68.034 $\pm$ 0.037 χ^2 /NDF: 1412.4/1

+ sign 71.223 $\pm$ 0.017 χ^2 /NDF: 295725.8/17

All: 70.990 $\pm$ 0.012 χ^2 /NDF: 630233.2/38

- sign 70.768 $\pm$ 0.017 χ^2 /NDF: 334144.9/20

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

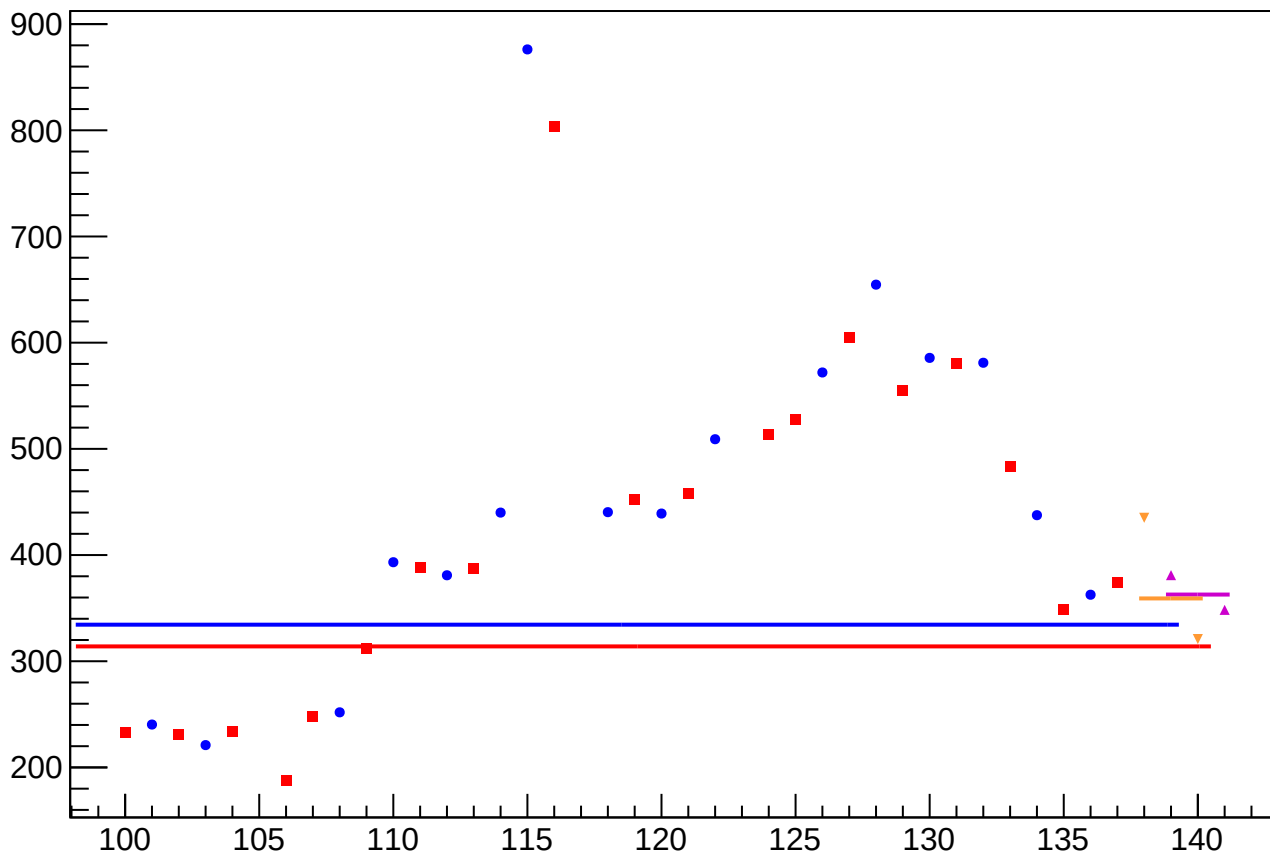
Left In: 286.665 ± 277.302 χ^2/NDF : 1.5/1

+ sign -40.479 ± 120.489 χ^2/NDF : 15.0/17

All: 117.921 ± 82.293 χ^2/NDF : 32.2/38

- sign 256.420 ± 112.666 χ^2/NDF : 14.0/20

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF : 1730609.3/15

Left Out: 359.146+/-0.202 χ^2/NDF : 71176.6/1

Right Out: 313.971+/-0.087 χ^2/NDF : 1904604.3/18

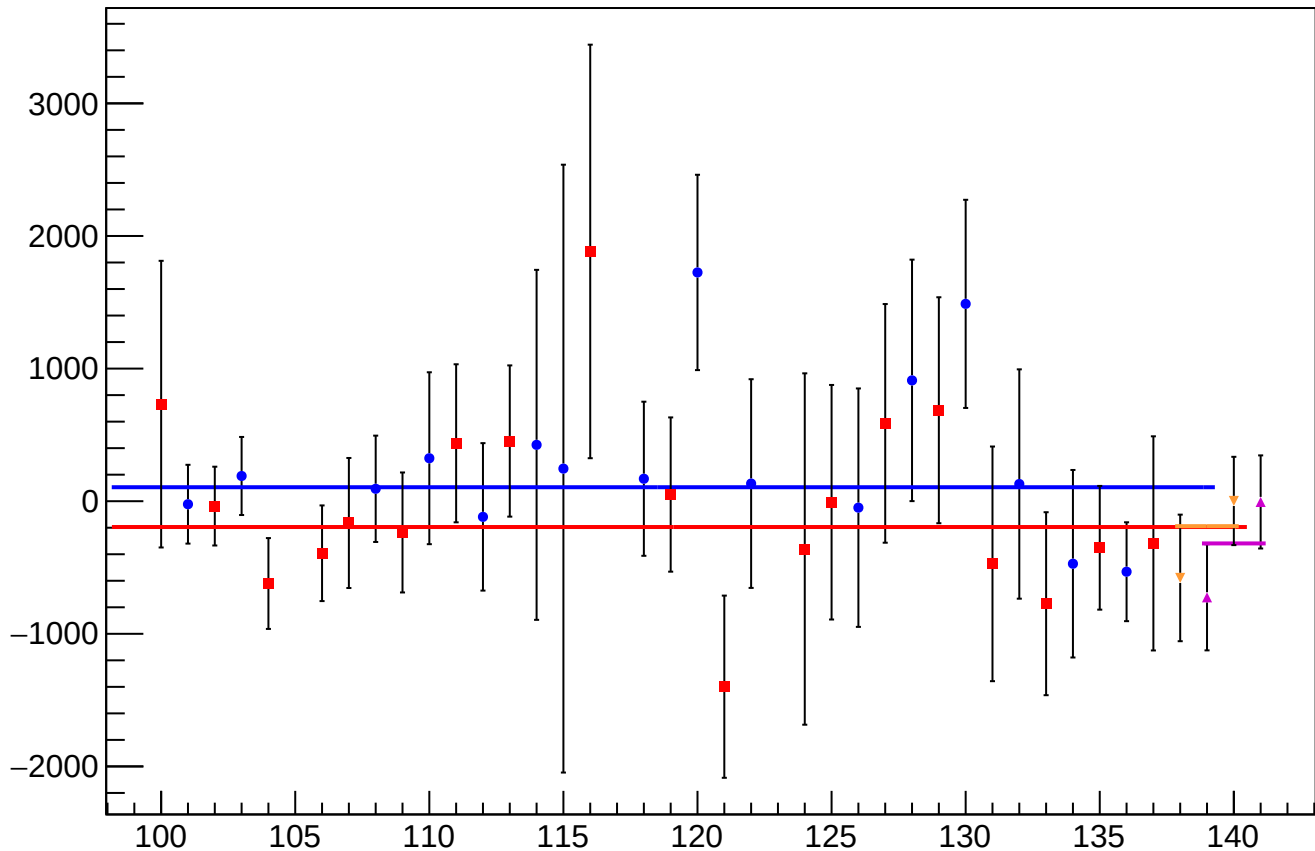
Left In: 362.796+/-0.196 χ^2/NDF : 6850.2/1

+ sign 338.825+/-0.085 χ^2/NDF : 1814086.0/17

All: 329.865+/-0.058 χ^2/NDF : 3798036.2/38

- sign 322.031+/-0.080 χ^2/NDF : 1963220.8/20

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

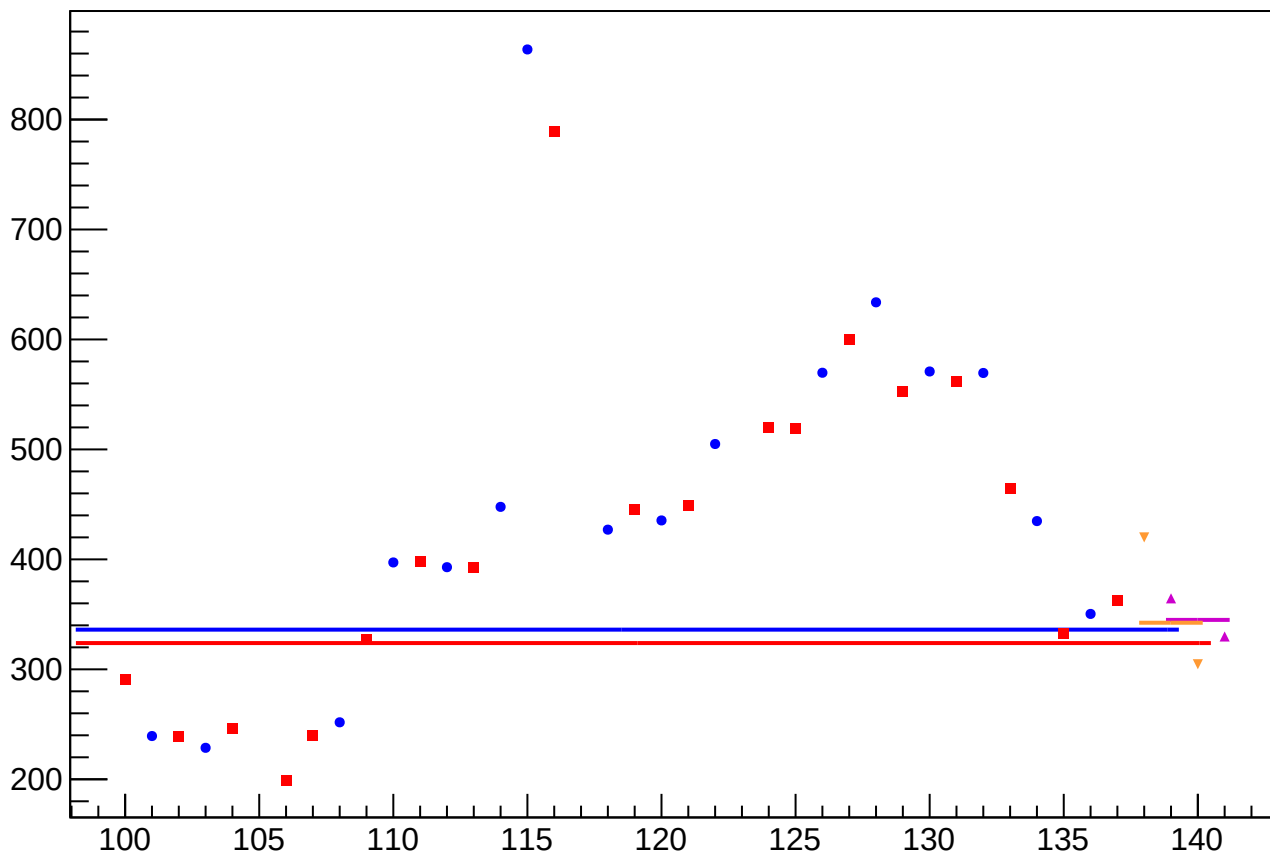
Left In: -318.440 $\pm$ 263.879 χ^2 /NDF:1.8/1

+ sign 49.059 $\pm$ 119.603 χ^2 /NDF: 14.9/17

All: -90.914 $\pm$ 82.462 χ^2 /NDF: 32.6/38

- sign -217.743 $\pm$ 113.849 χ^2 /NDF: 15.1/20

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF : 1618997.2/15

Left Out: 342.380+/-0.193 χ^2/NDF : 78621.6/1

Right Out: 323.885+/-0.089 χ^2/NDF : 1665420.8/18

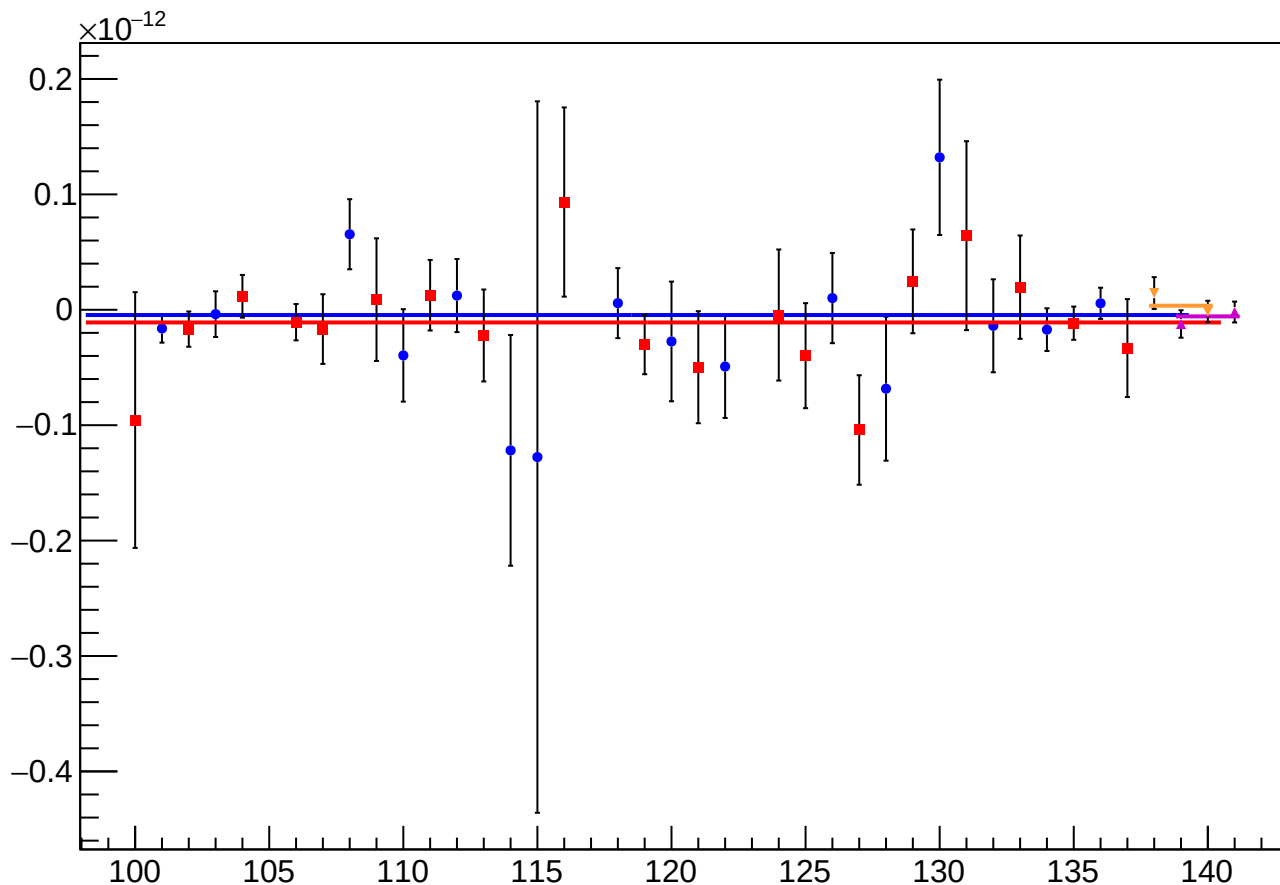
Left In: 344.960+/-0.187 χ^2/NDF : 8493.8/1

+ sign 337.298+/-0.085 χ^2/NDF : 1698475.8/17

All: 332.320+/-0.058 χ^2/NDF : 3389379.0/38

- sign 327.808+/-0.081 χ^2/NDF : 1684297.1/20

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

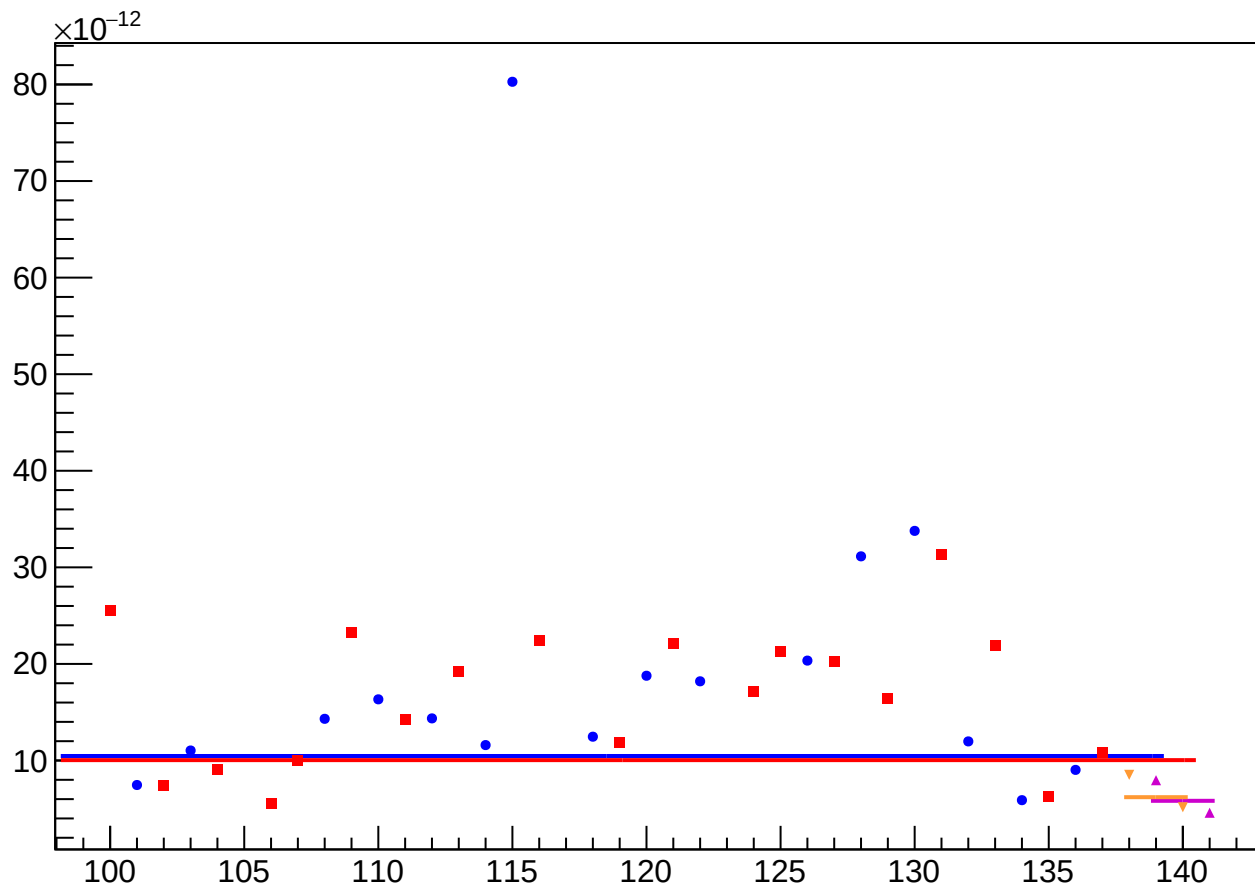
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/17

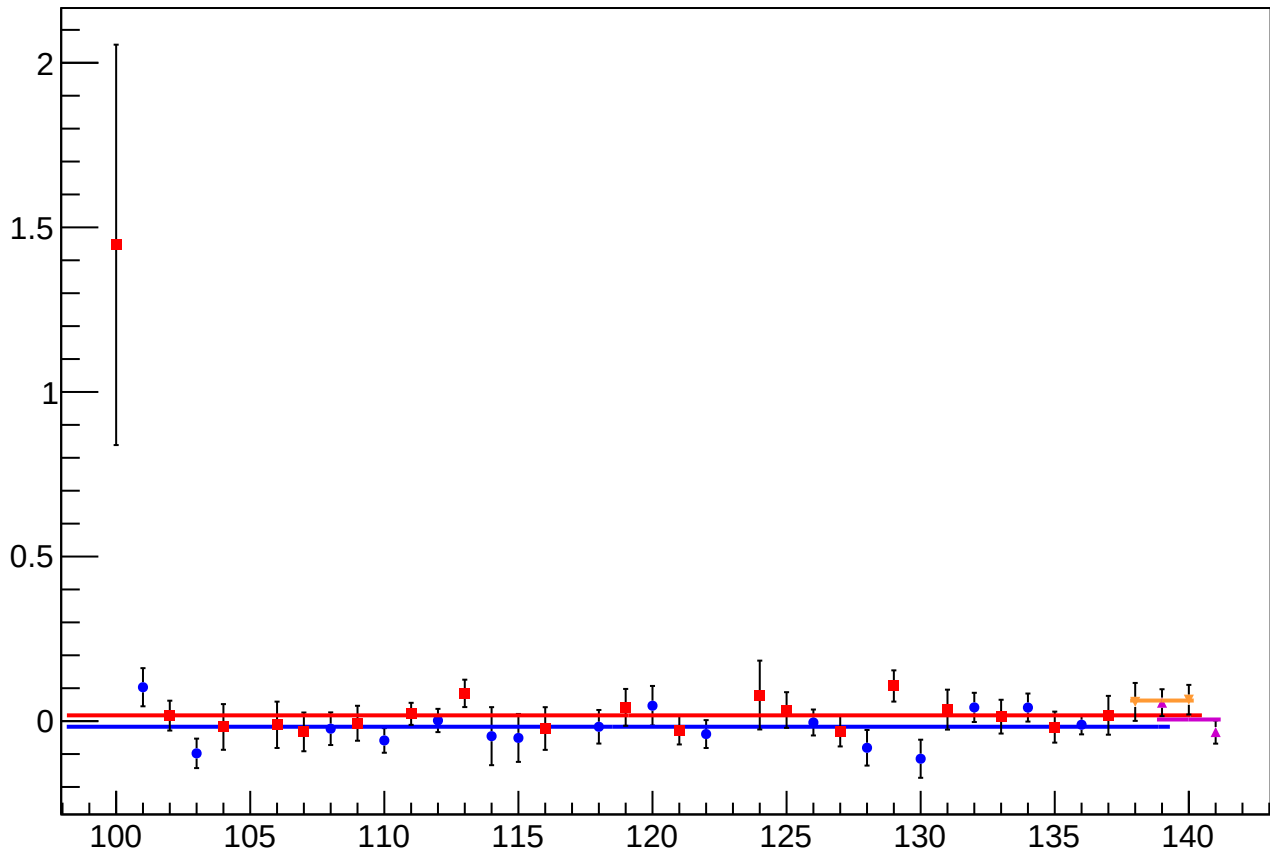
All: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/20

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



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

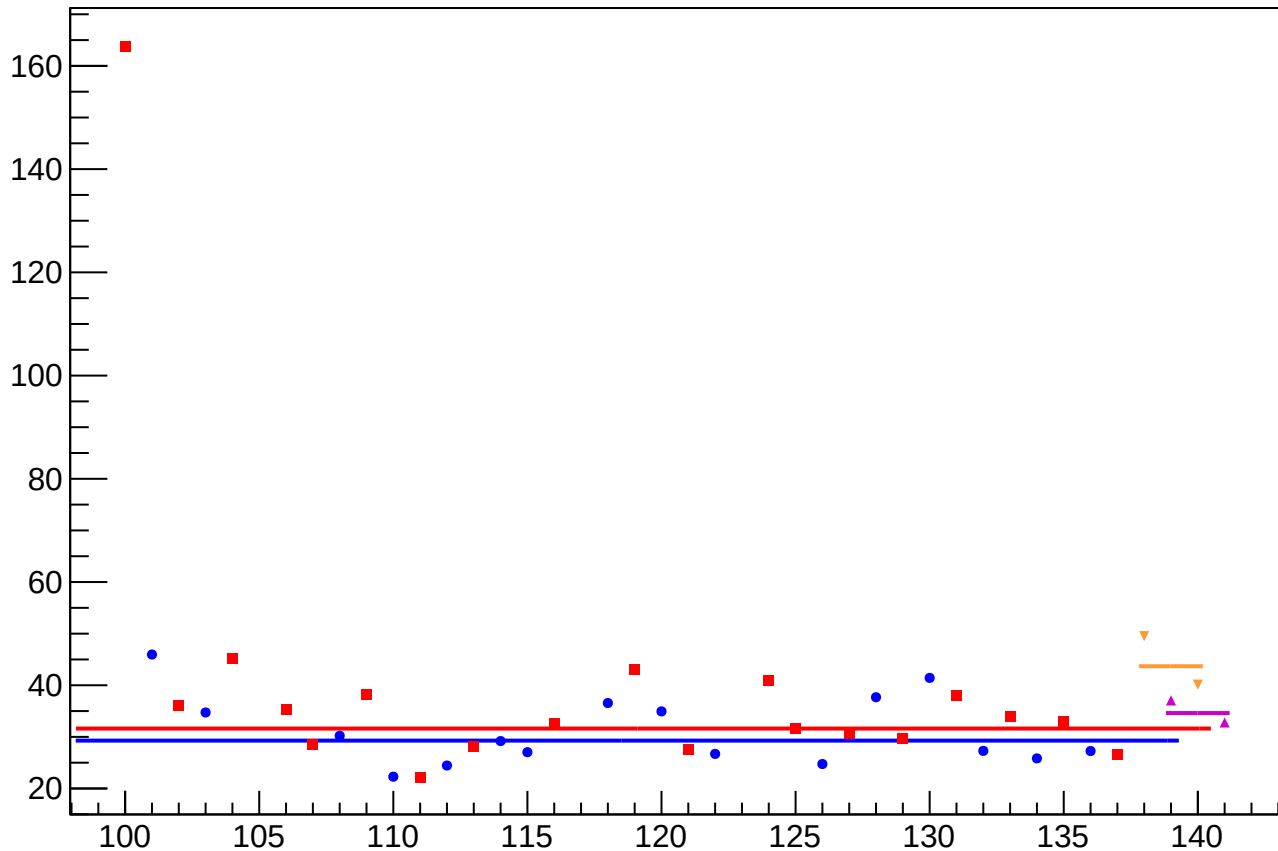
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.003 ± 0.008 χ^2/NDF : 45.8/38

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 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

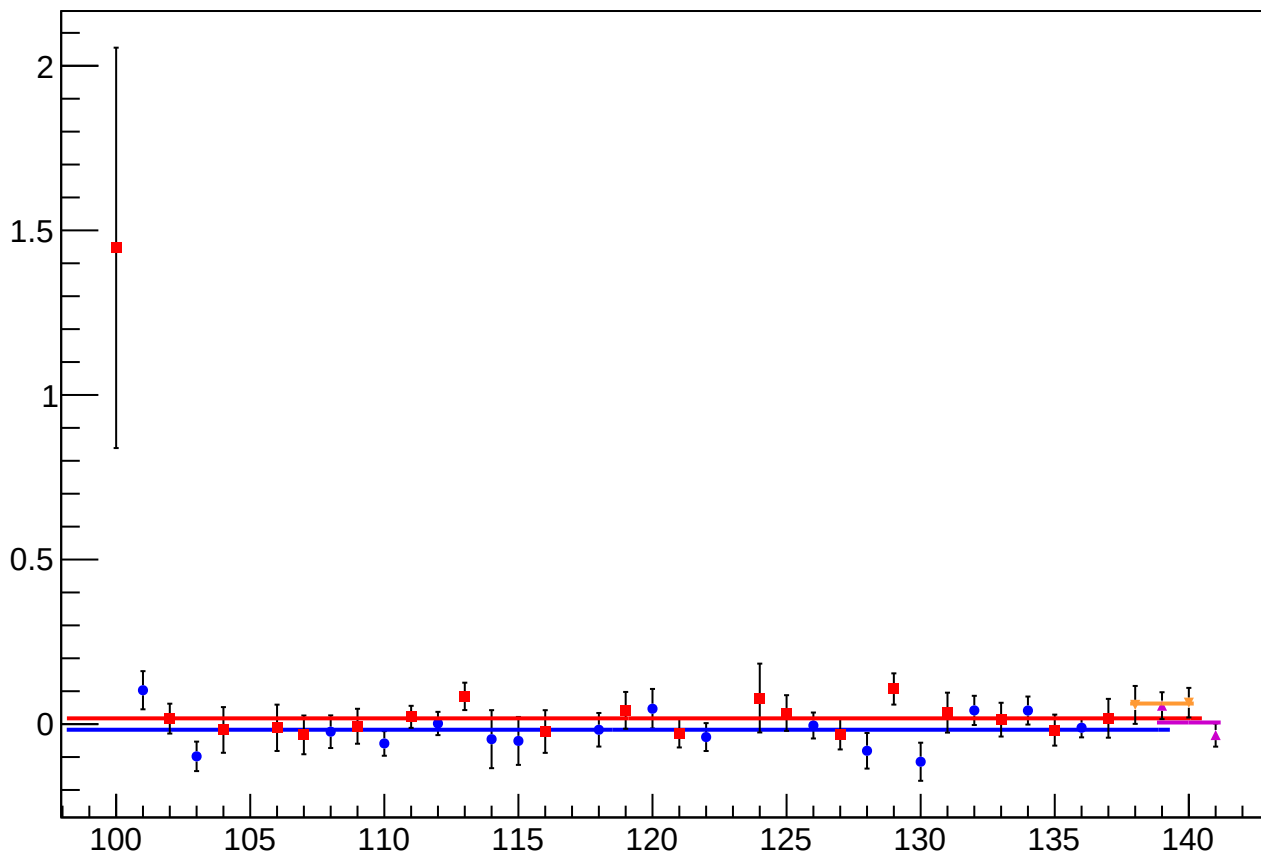
Left In: 34.616 $\pm$ 0.019 χ^2 /NDF: 12514.6/1

+ sign 30.616 $\pm$ 0.008 χ^2 /NDF: 893110.9/17

All: 31.355 $\pm$ 0.005 χ^2 /NDF: 1517903.8/38

- sign 32.125 $\pm$ 0.008 χ^2 /NDF: 605683.1/20

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

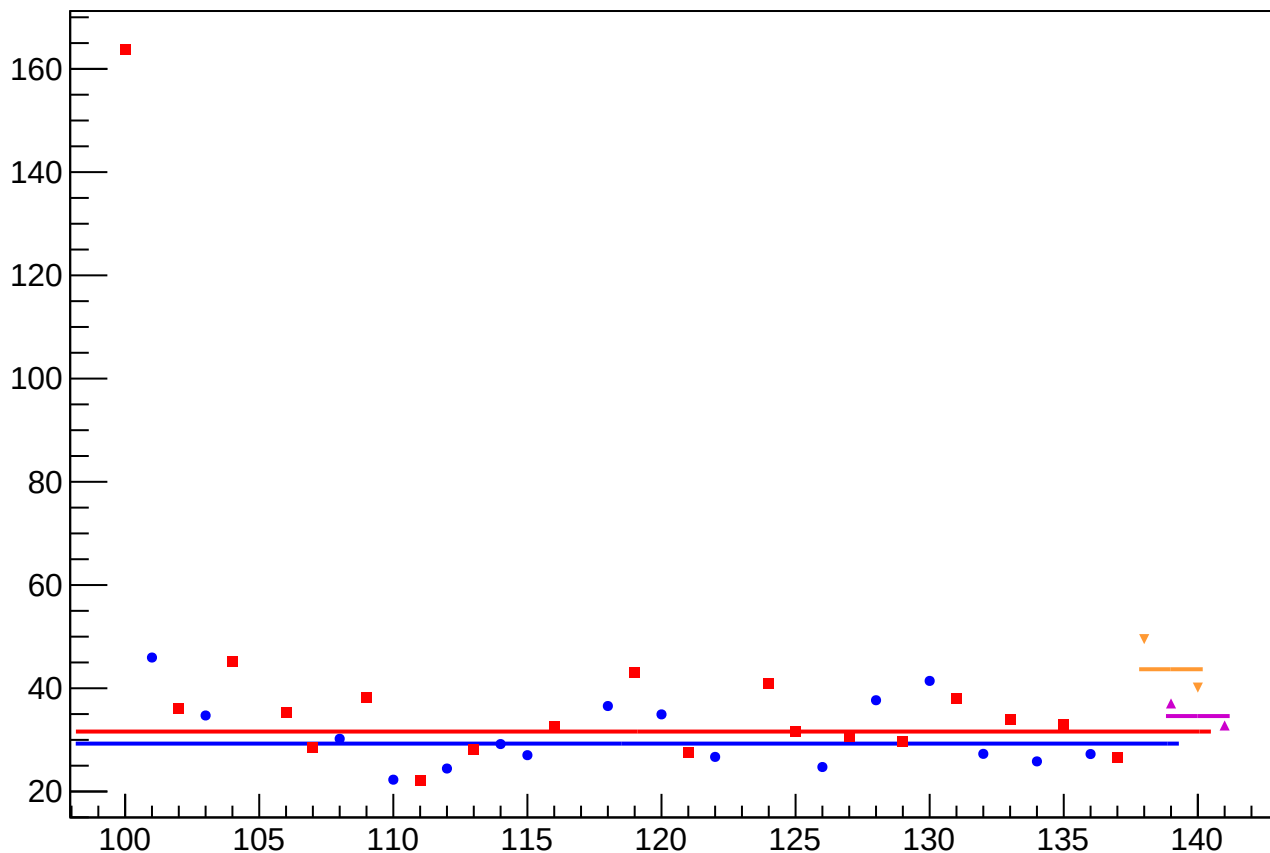
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.003 ± 0.008 χ^2/NDF : 45.8/38

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

asym_sam_37_48_dd_dit_vs_eigen_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

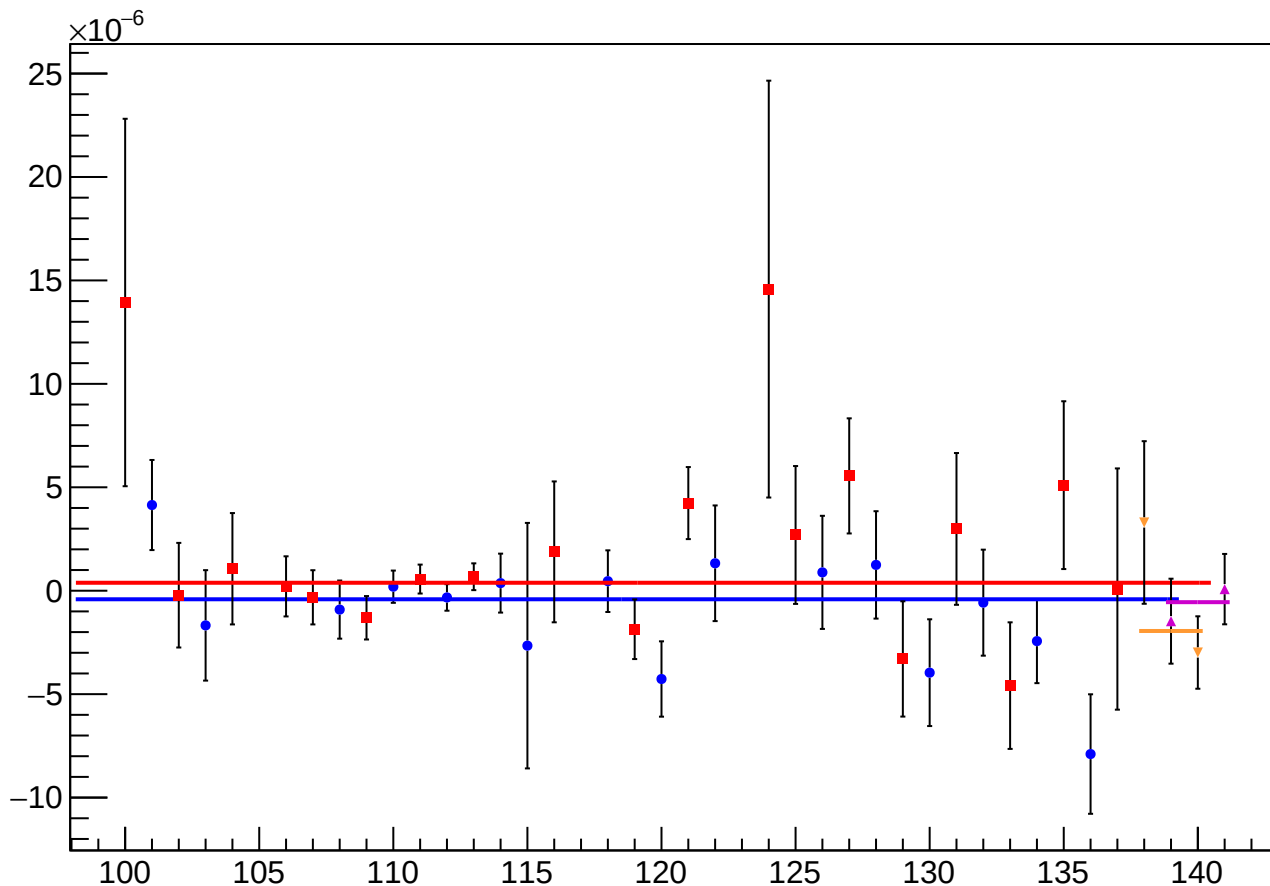
Left In: 34.616 $\pm$ 0.019 χ^2 /NDF: 12514.6/1

+ sign 30.616 $\pm$ 0.008 χ^2 /NDF: 893110.9/17

All: 31.355 $\pm$ 0.005 χ^2 /NDF: 1517903.8/38

- sign 32.125 $\pm$ 0.008 χ^2 /NDF: 605683.1/20

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

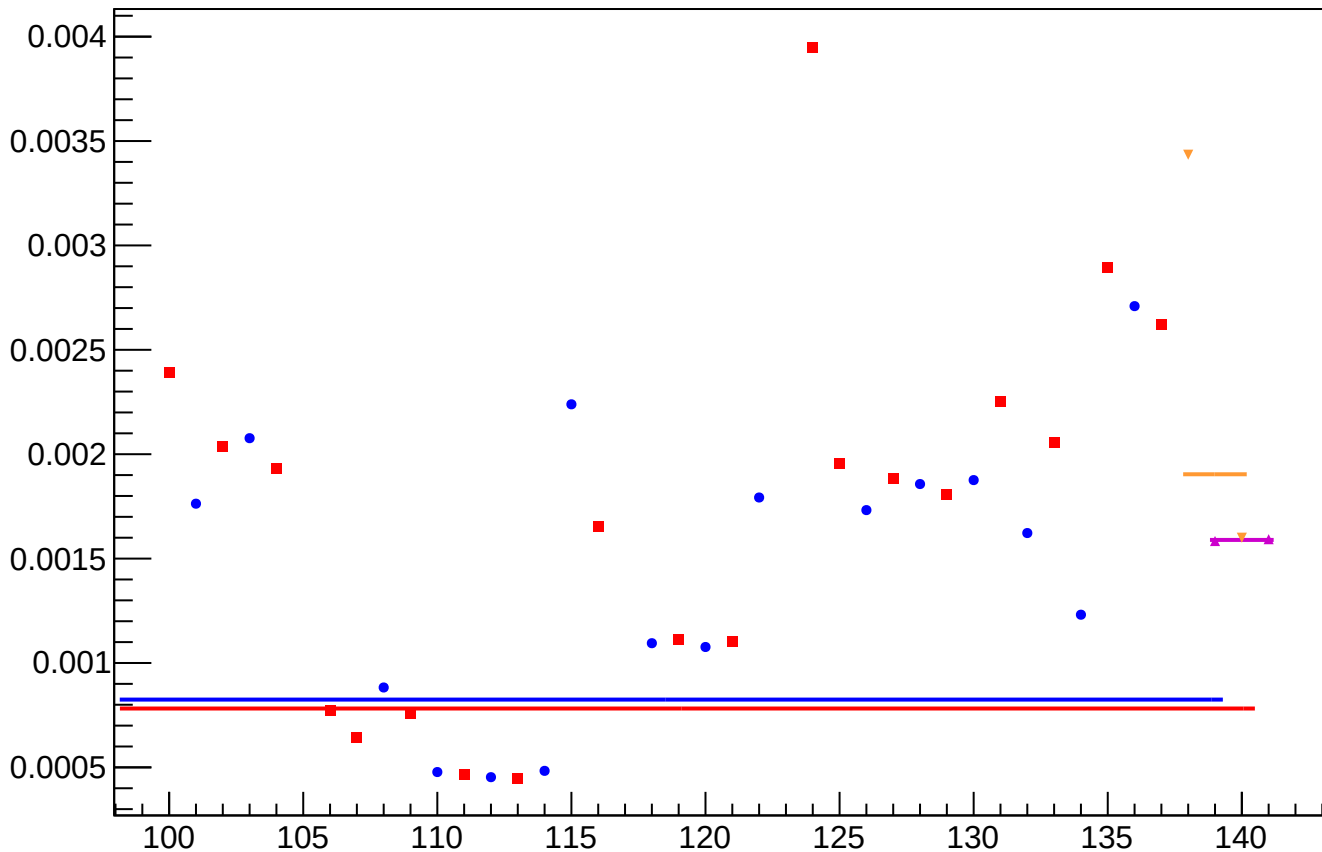
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.2/17

All: -0.000 ± 0.000 χ^2/NDF : 53.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 26.1/20

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

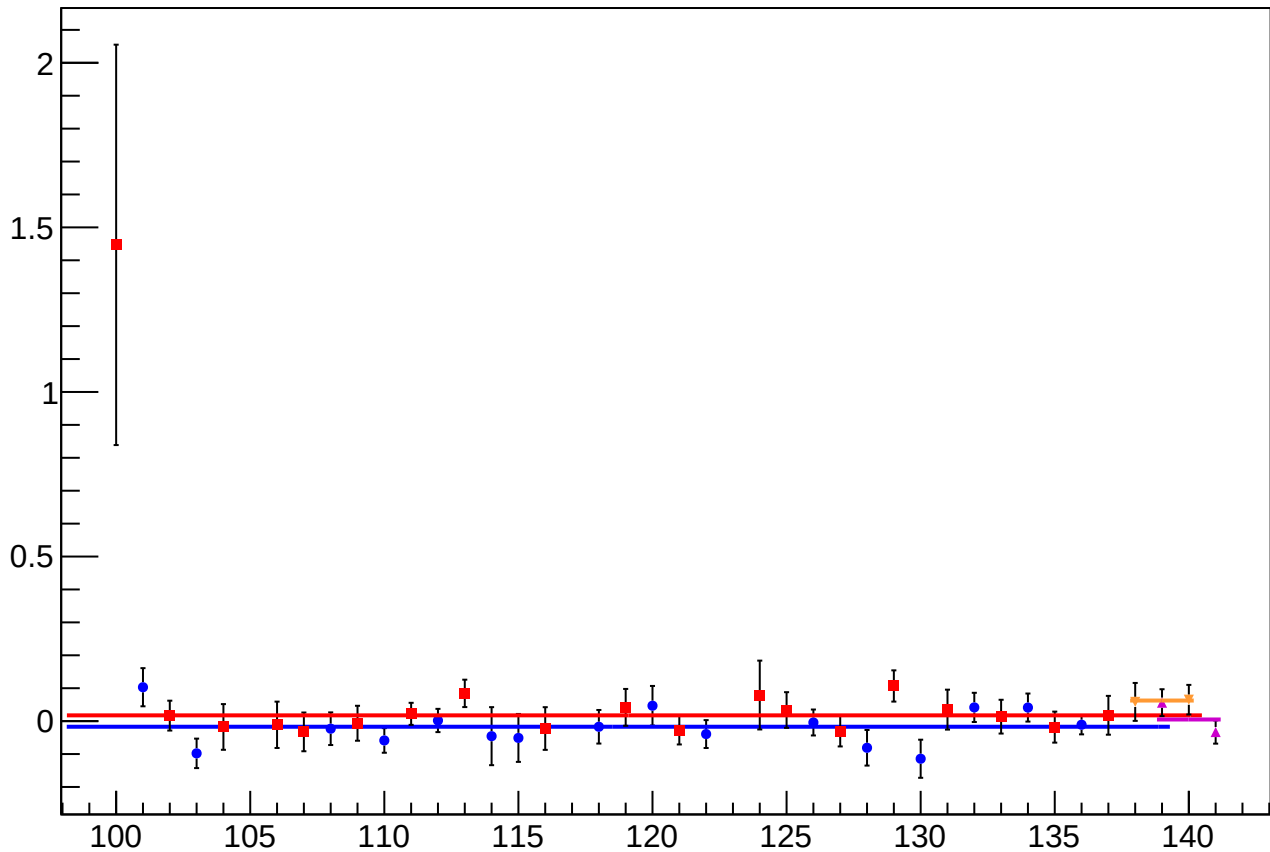
Left In: 0.002+/-0.000 χ^2/NDF : 21.7/1

+ sign 0.001+/-0.000 χ^2/NDF : 5676645.2/17

All: 0.001+/-0.000 χ^2/NDF : 11040984.0/38

- sign 0.001+/-0.000 χ^2/NDF : 5348207.1/20

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017 ± 0.011 χ^2/NDF : 18.8/15

Left Out: 0.063 ± 0.035 χ^2/NDF : 0.0/1

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

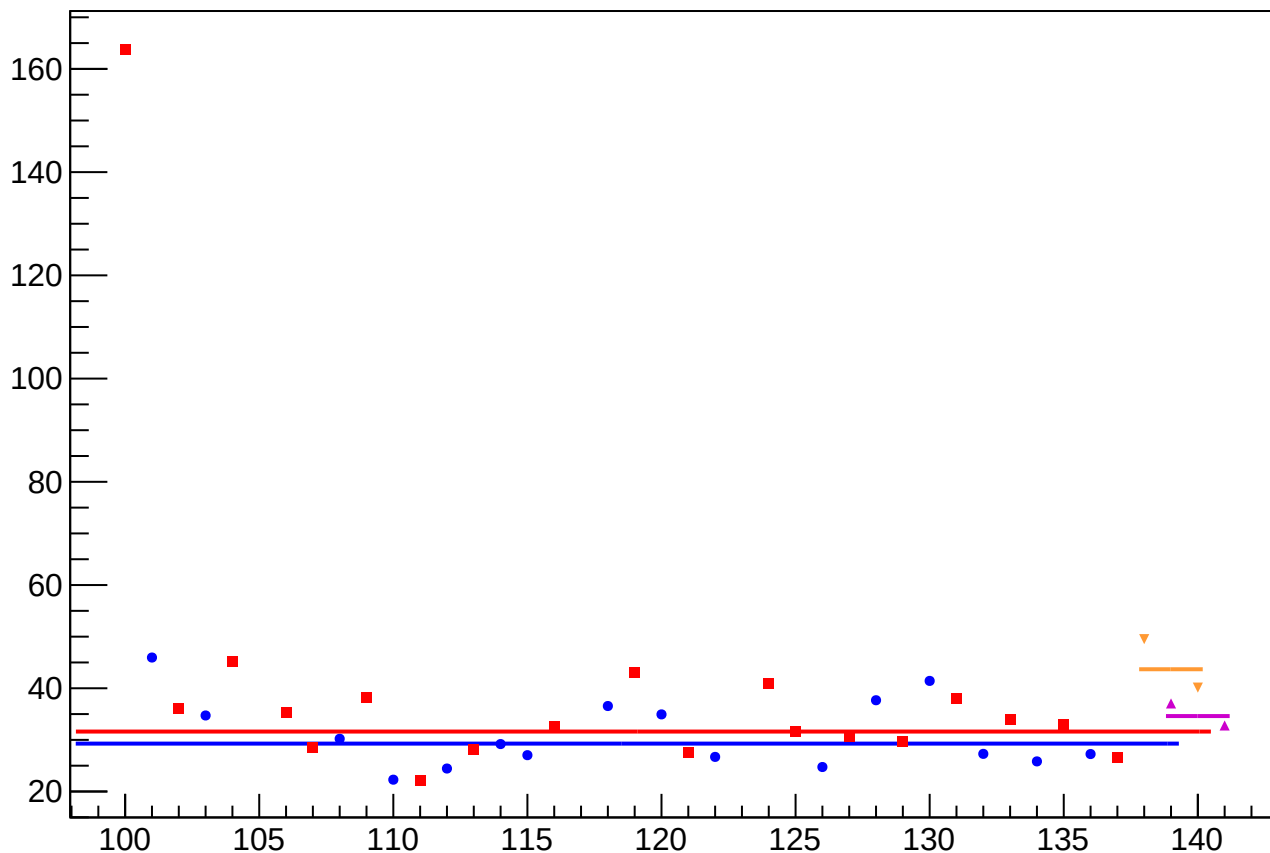
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.003 ± 0.008 χ^2/NDF : 45.8/38

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

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

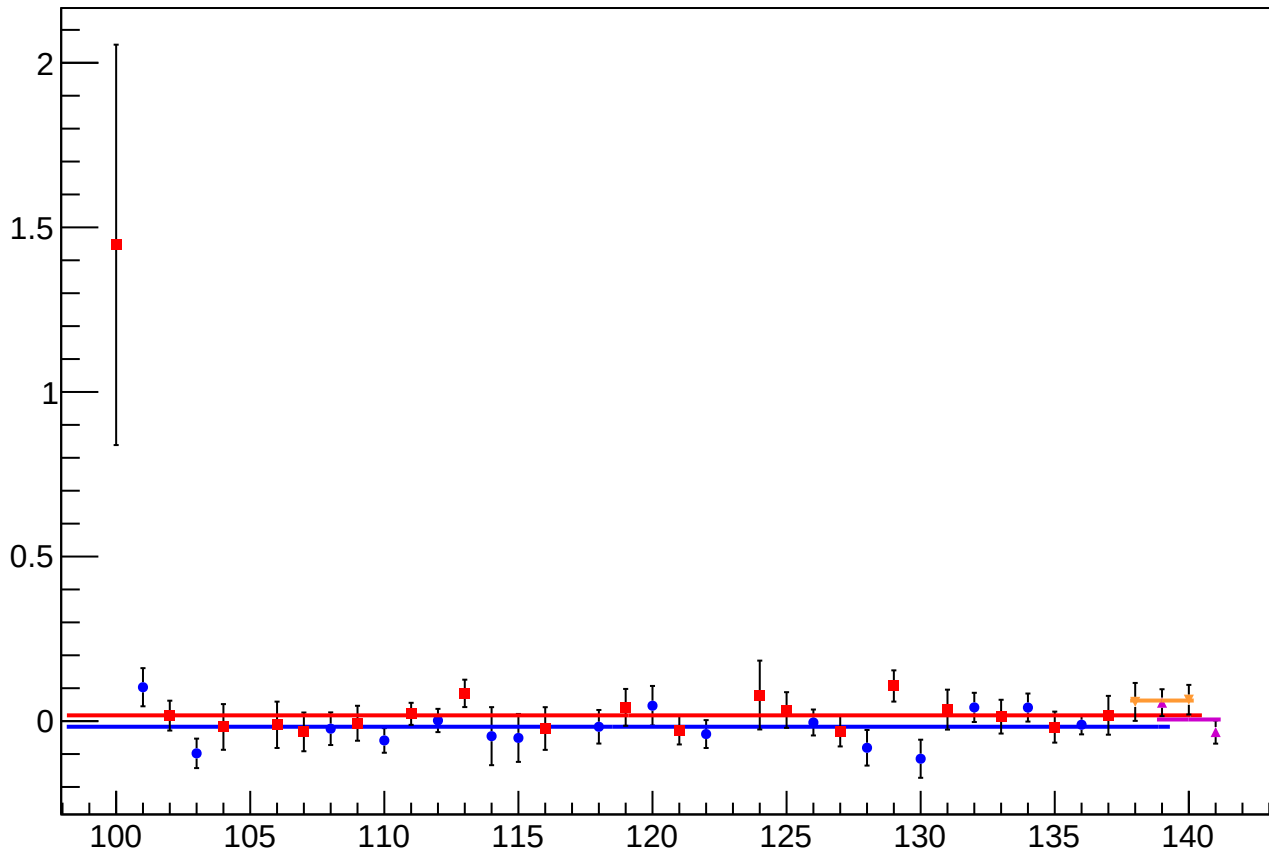
Left In: 34.615 $\pm$ 0.019 χ^2 /NDF: 12515.0/1

+ sign 30.616 $\pm$ 0.008 χ^2 /NDF: 893082.1/17

All: 31.356 $\pm$ 0.005 χ^2 /NDF: 1517859.0/38

- sign 32.125 $\pm$ 0.008 χ^2 /NDF: 605667.0/20

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

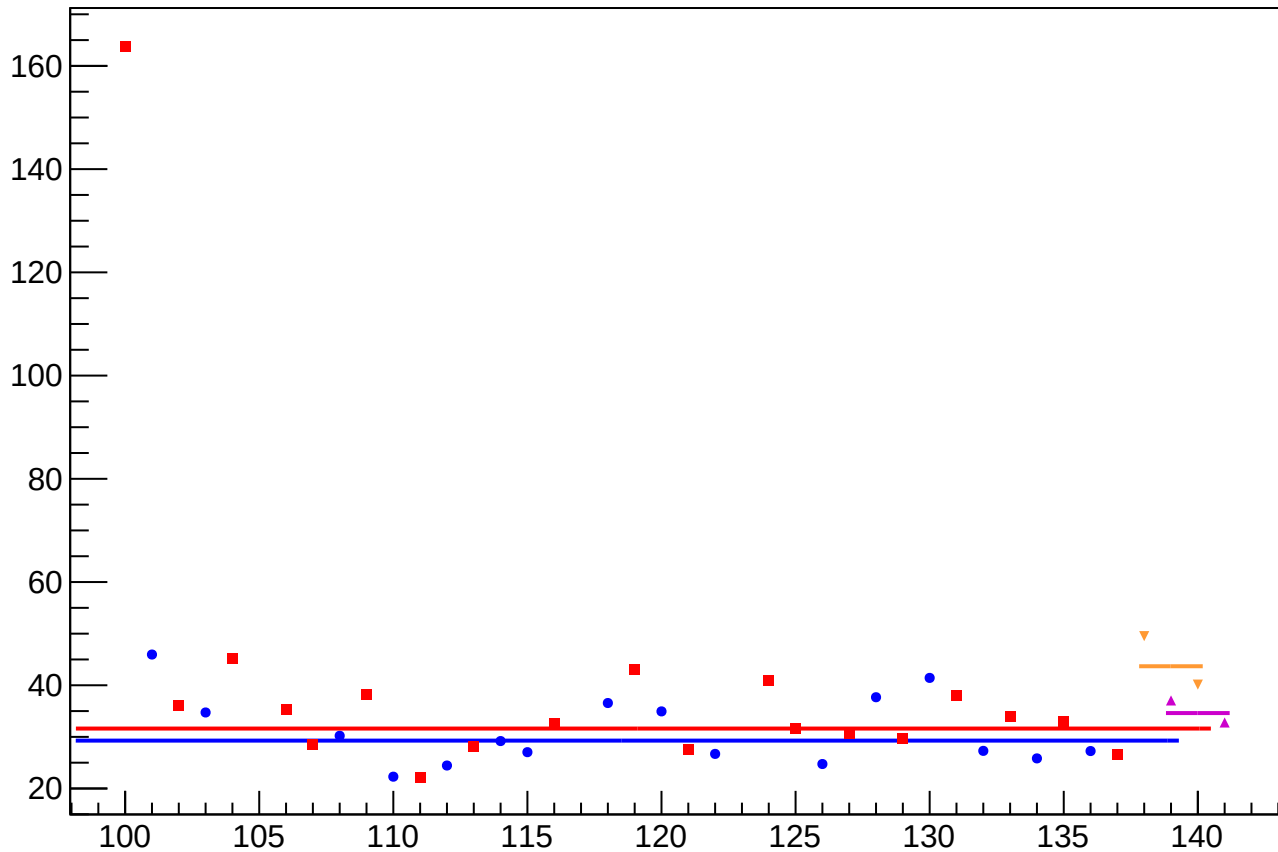
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.010 ± 0.011 χ^2/NDF : 23.4/17

All: 0.003 ± 0.008 χ^2/NDF : 45.8/38

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 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

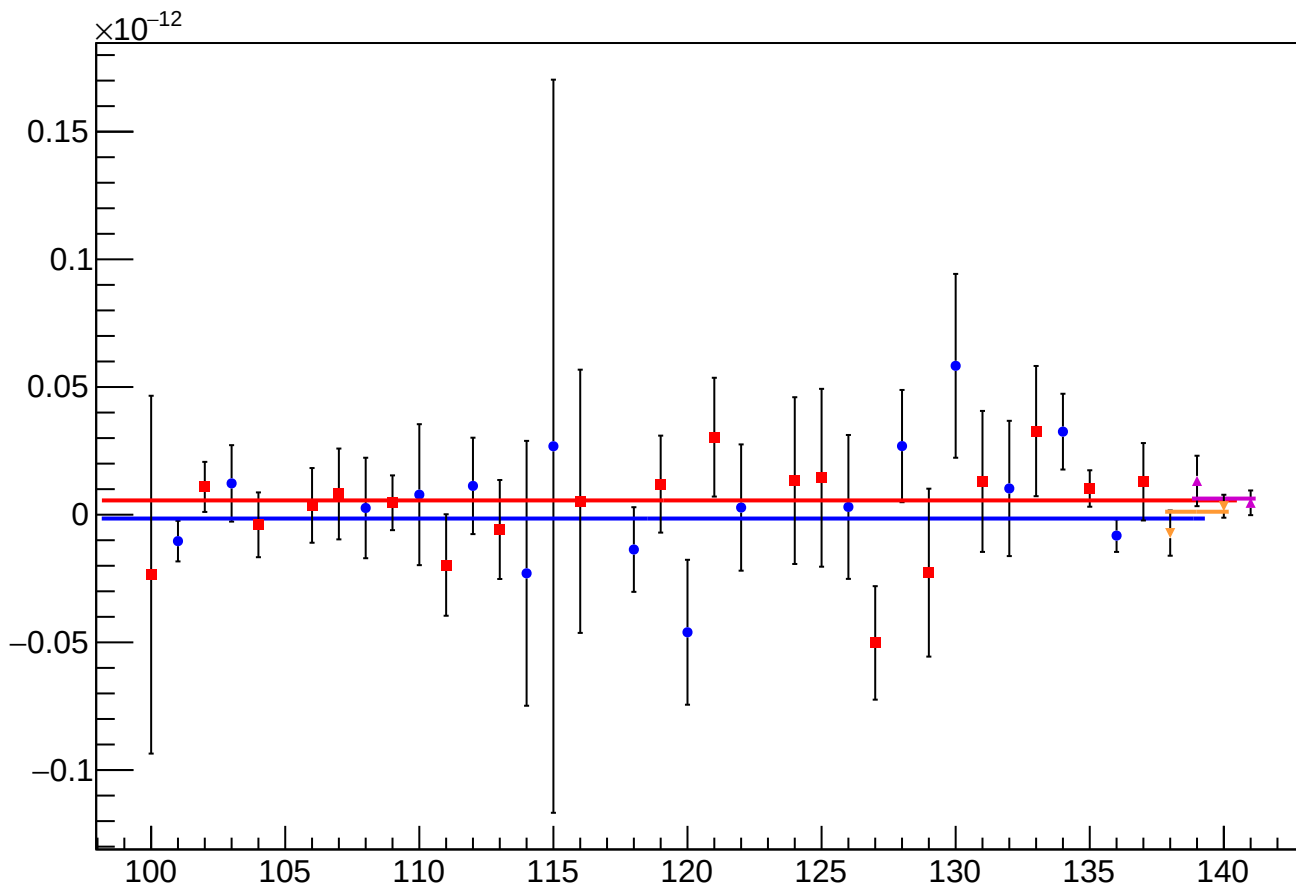
Left In: 34.615 $\pm$ 0.019 χ^2 /NDF: 12515.0/1

+ sign 30.616 $\pm$ 0.008 χ^2 /NDF: 893082.1/17

All: 31.356 $\pm$ 0.005 χ^2 /NDF: 1517859.0/38

- sign 32.125 $\pm$ 0.008 χ^2 /NDF: 605667.0/20

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

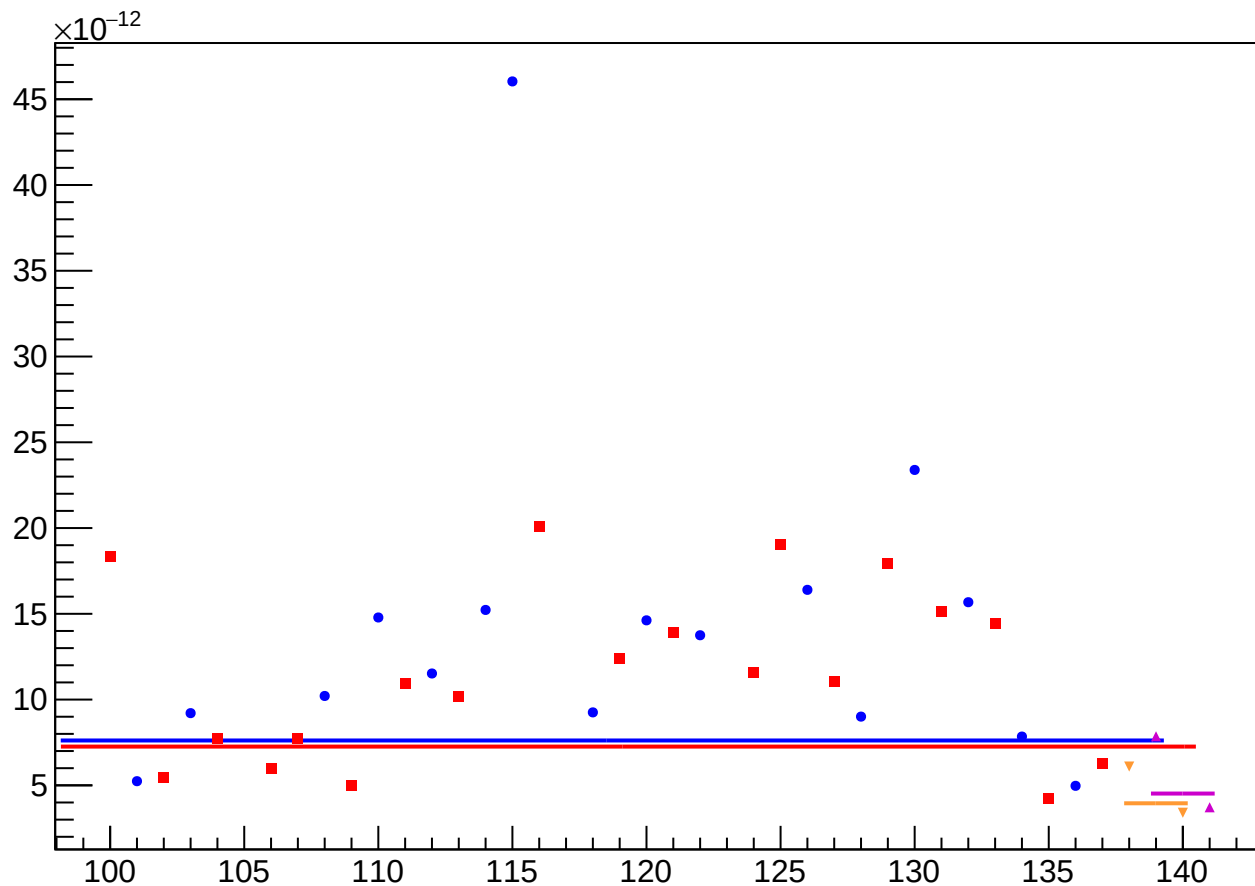
Left In: 0.000+/-0.000 χ^2/NDF : 0.6/1

+ sign -0.000+/-0.000 χ^2/NDF : 18.3/17

All: 0.000+/-0.000 χ^2/NDF : 34.7/38

- sign 0.000+/-0.000 χ^2/NDF : 13.9/20

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

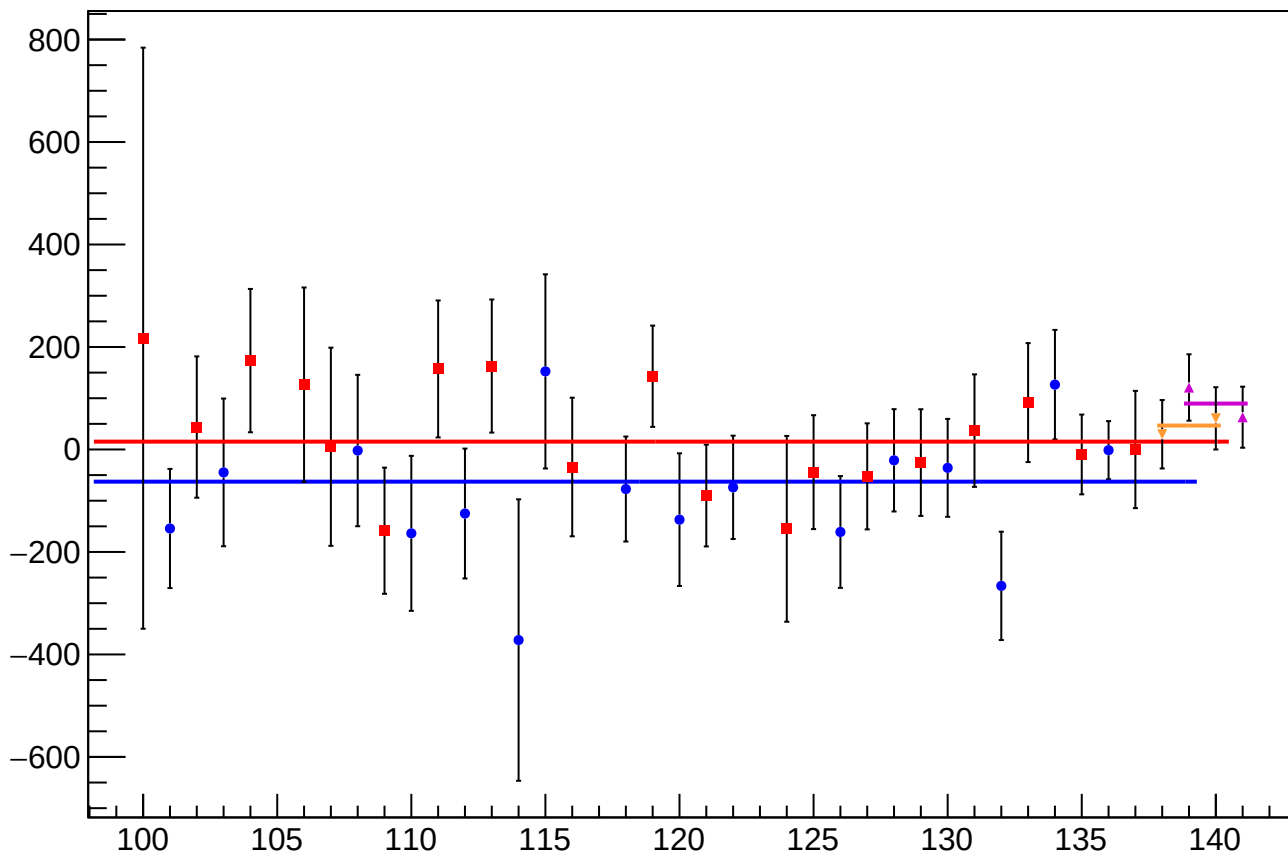
Left In: 0.000+/-0.000 χ^2/NDF : 283393.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3042523.4/17

All: 0.000+/-0.000 χ^2/NDF : 5798862.2/38

- sign 0.000+/-0.000 χ^2/NDF : 2748020.5/20

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 46.671 ± 44.936 χ^2/NDF : 0.1/1

Right Out: 15.288 ± 27.770 χ^2/NDF : 11.5/18

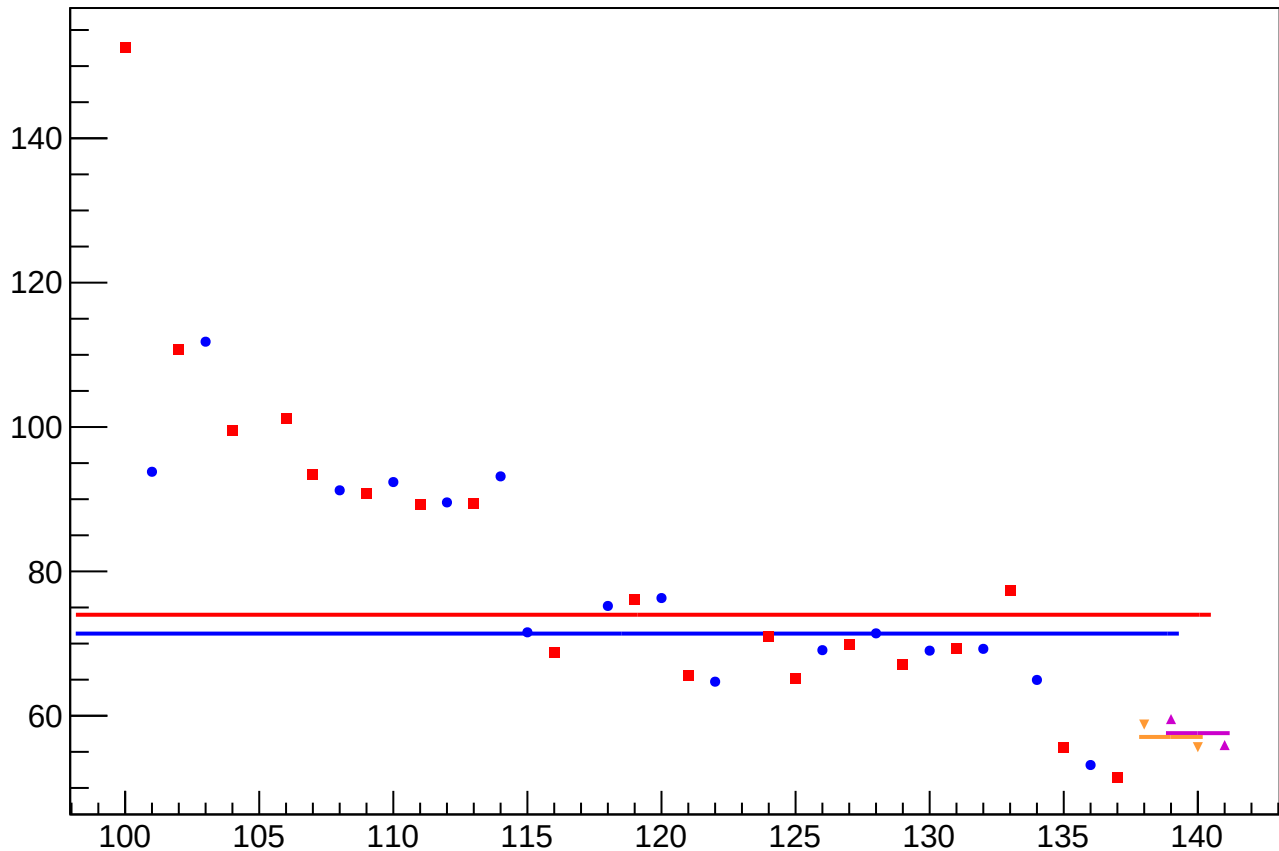
Left In: 89.554 ± 43.852 χ^2/NDF : 0.4/1

+ sign -33.423 ± 23.277 χ^2/NDF : 17.9/17

All: 1.286 ± 16.524 χ^2/NDF : 36.4/38

- sign 36.546 ± 23.461 χ^2/NDF : 14.0/20

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2 /NDF: 590909.3/15

Left Out: 57.065+/-0.032 χ^2 /NDF: 2415.0/1

Right Out: 73.994+/-0.020 χ^2 /NDF: 638445.5/18

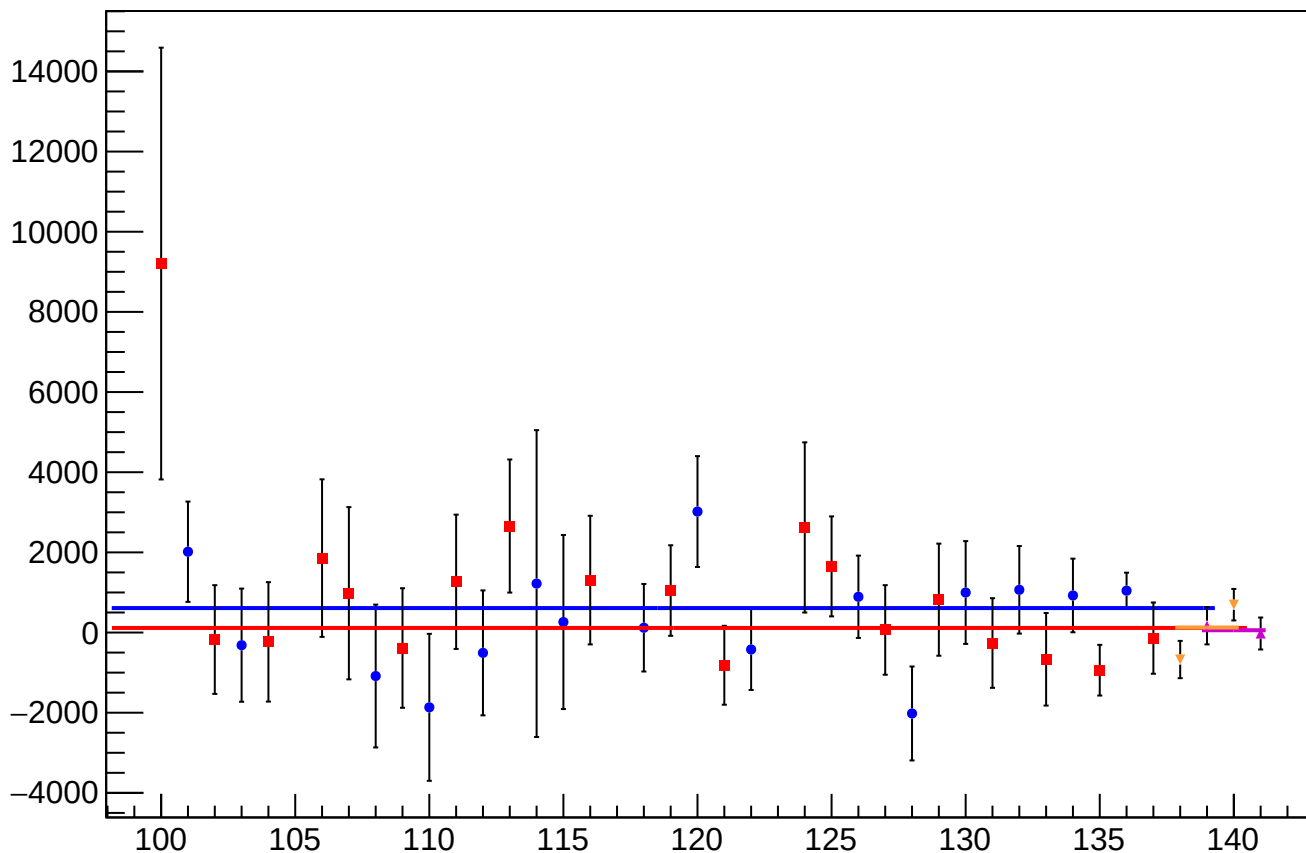
Left In: 57.592+/-0.031 χ^2 /NDF: 3347.3/1

+ sign 67.541+/-0.016 χ^2 /NDF: 741892.9/17

All: 68.413+/-0.012 χ^2 /NDF: 1589054.4/38

- sign 69.299+/-0.017 χ^2 /NDF: 841504.9/20

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561 $\pm$ 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

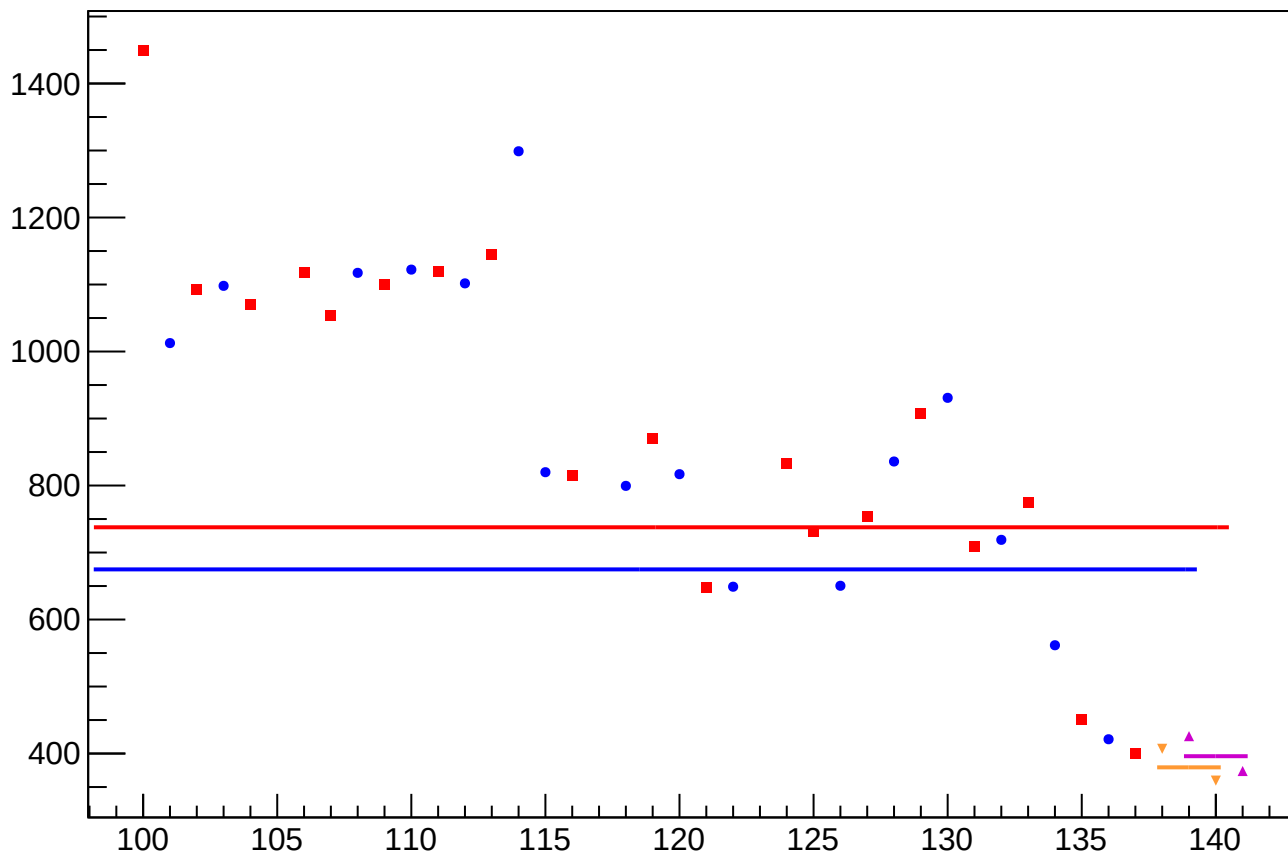
Left In: 57.556 $\pm$ 302.438 χ^2 /NDF: 0.1/1

+ sign 396.236 $\pm$ 199.431 χ^2 /NDF: 22.2/17

All: 247.898 $\pm$ 143.671 χ^2 /NDF: 39.0/38

- sign 87.856 $\pm$ 207.150 χ^2 /NDF: 15.7/20

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF : 1617598.7/15

Left Out: 379.381+/-0.212 χ^2/NDF : 12159.7/1

Right Out: 737.674+/-0.201 χ^2/NDF : 1516748.6/18

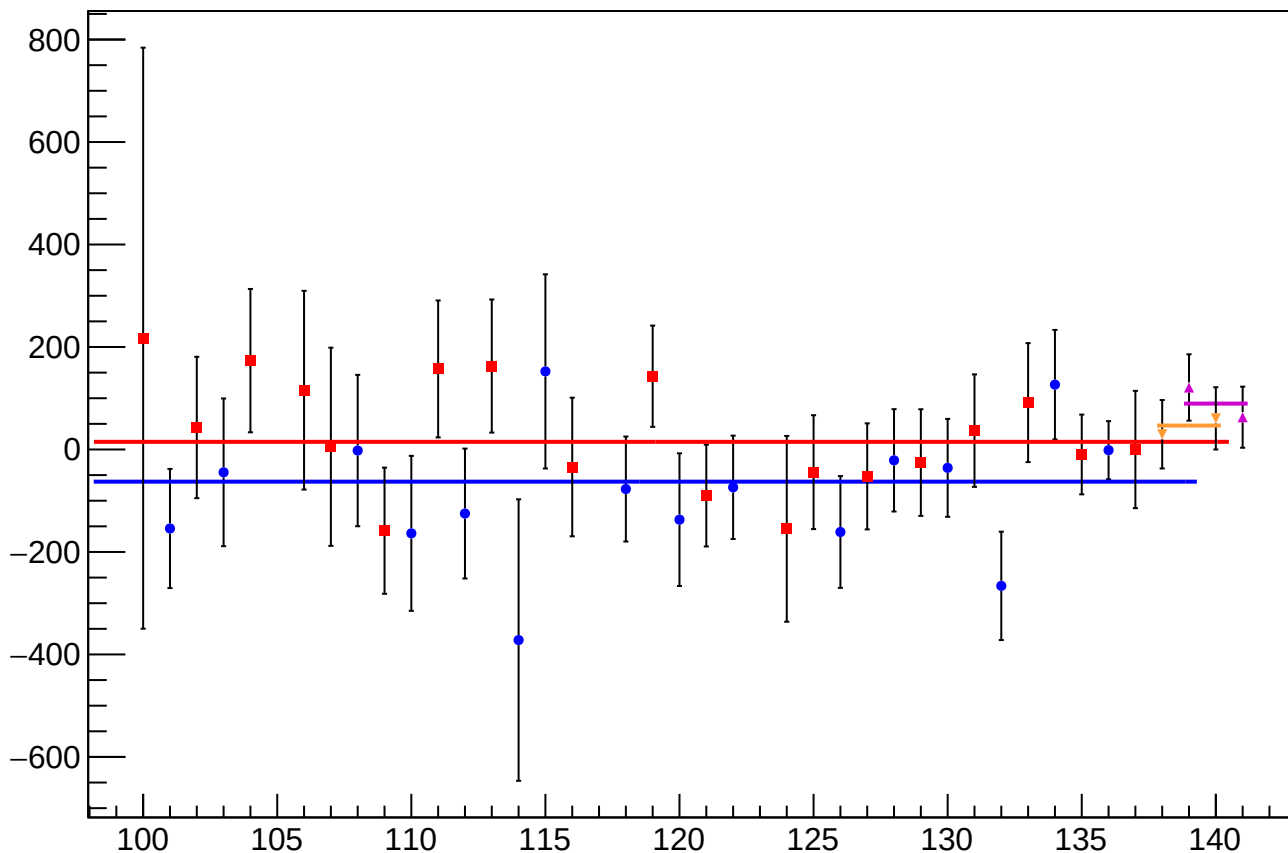
Left In: 396.019+/-0.214 χ^2/NDF : 14462.3/1

+ sign 544.460+/-0.141 χ^2/NDF : 2711972.6/17

All: 560.301+/-0.102 χ^2/NDF : 5624340.2/38

- sign 577.391+/-0.146 χ^2/NDF : 2886136.3/20

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 46.672 ± 44.936 χ^2/NDF : 0.1/1

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

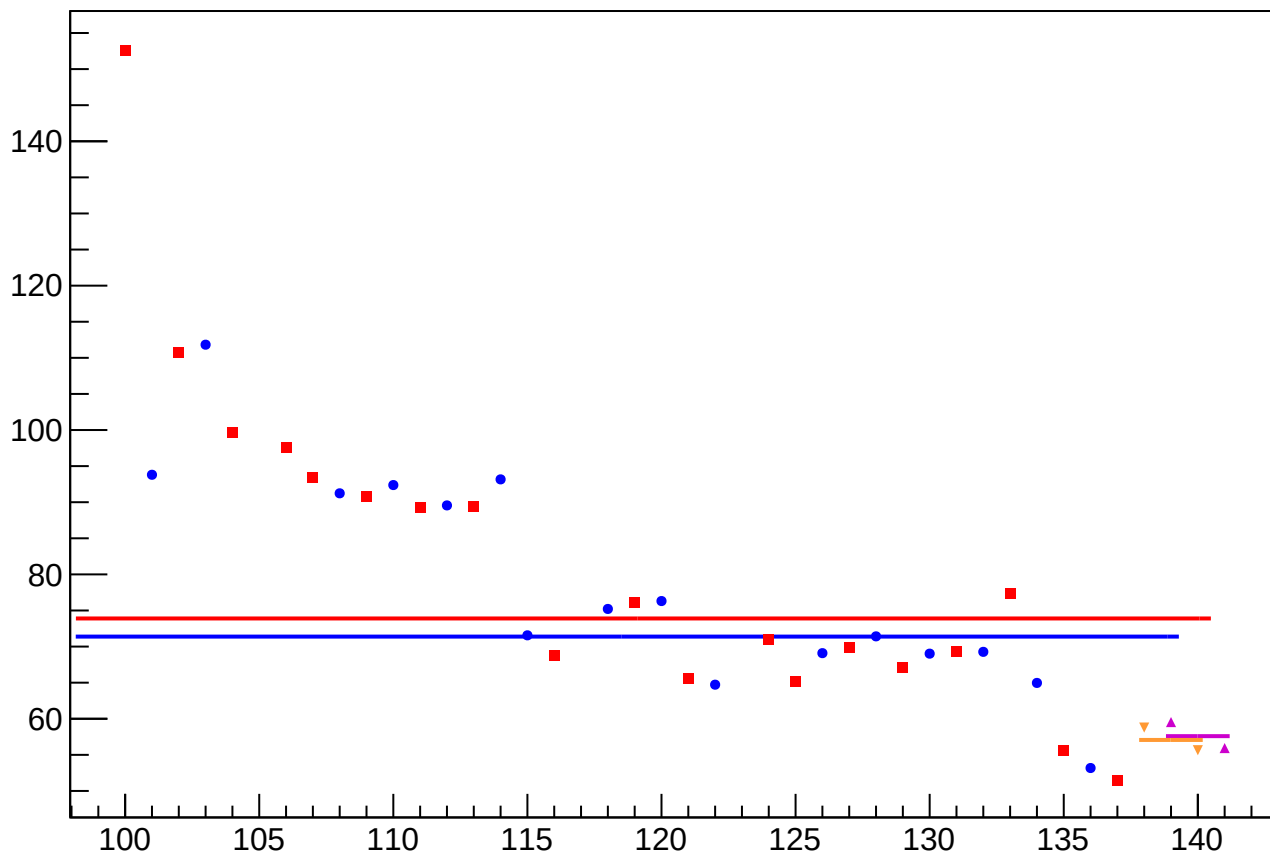
Left In: 89.557 ± 43.852 χ^2/NDF : 0.4/1

+ sign -33.417 ± 23.277 χ^2/NDF : 17.9/17

All: 1.159 ± 16.527 χ^2/NDF : 36.3/38

- sign 36.307 ± 23.469 χ^2/NDF : 13.9/20

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

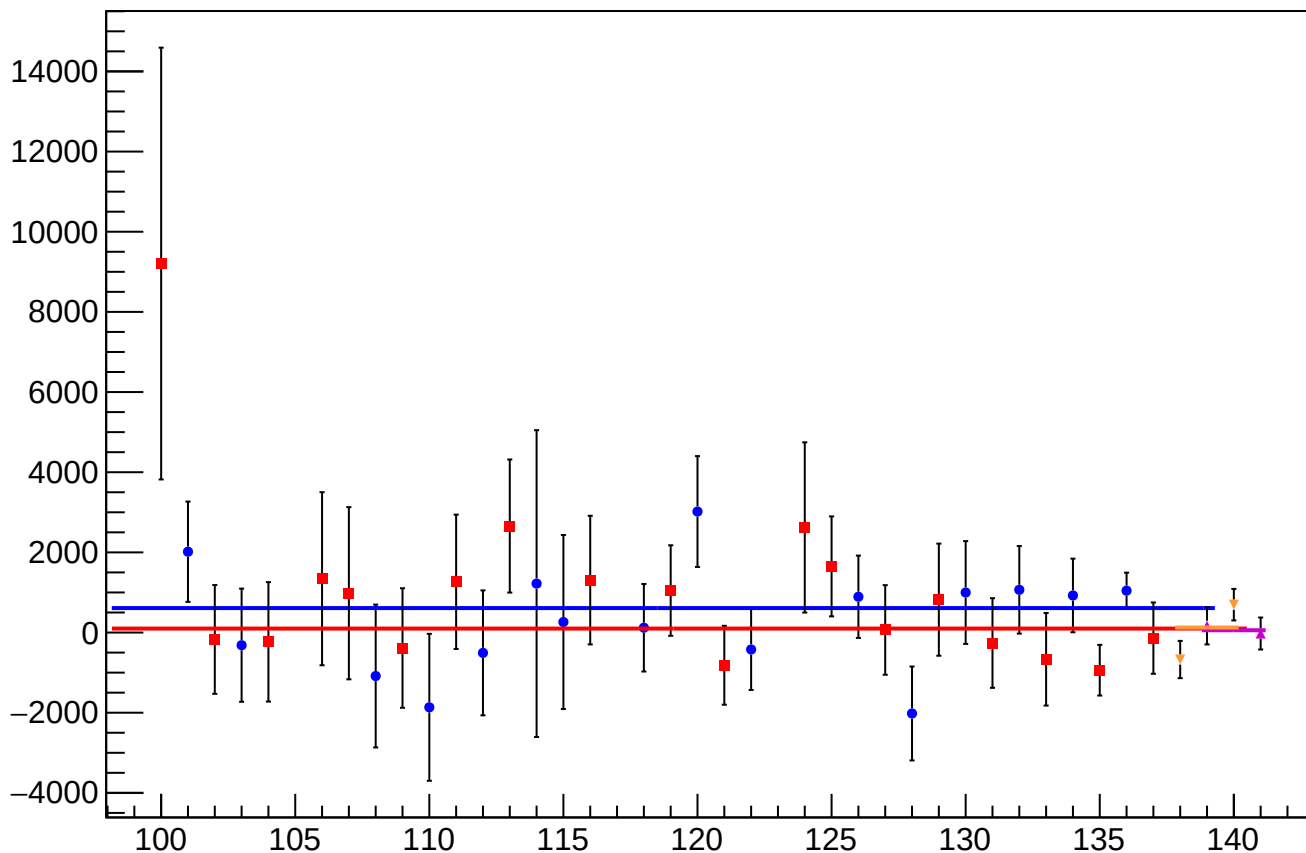
Left In: 57.592 $\pm$ 0.031 χ^2 /NDF: 3347.3/1

+ sign 67.541 $\pm$ 0.016 χ^2 /NDF: 741895.4/17

All: 68.376 $\pm$ 0.012 χ^2 /NDF: 1574679.8/38

- sign 69.224 $\pm$ 0.017 χ^2 /NDF: 827598.1/20

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

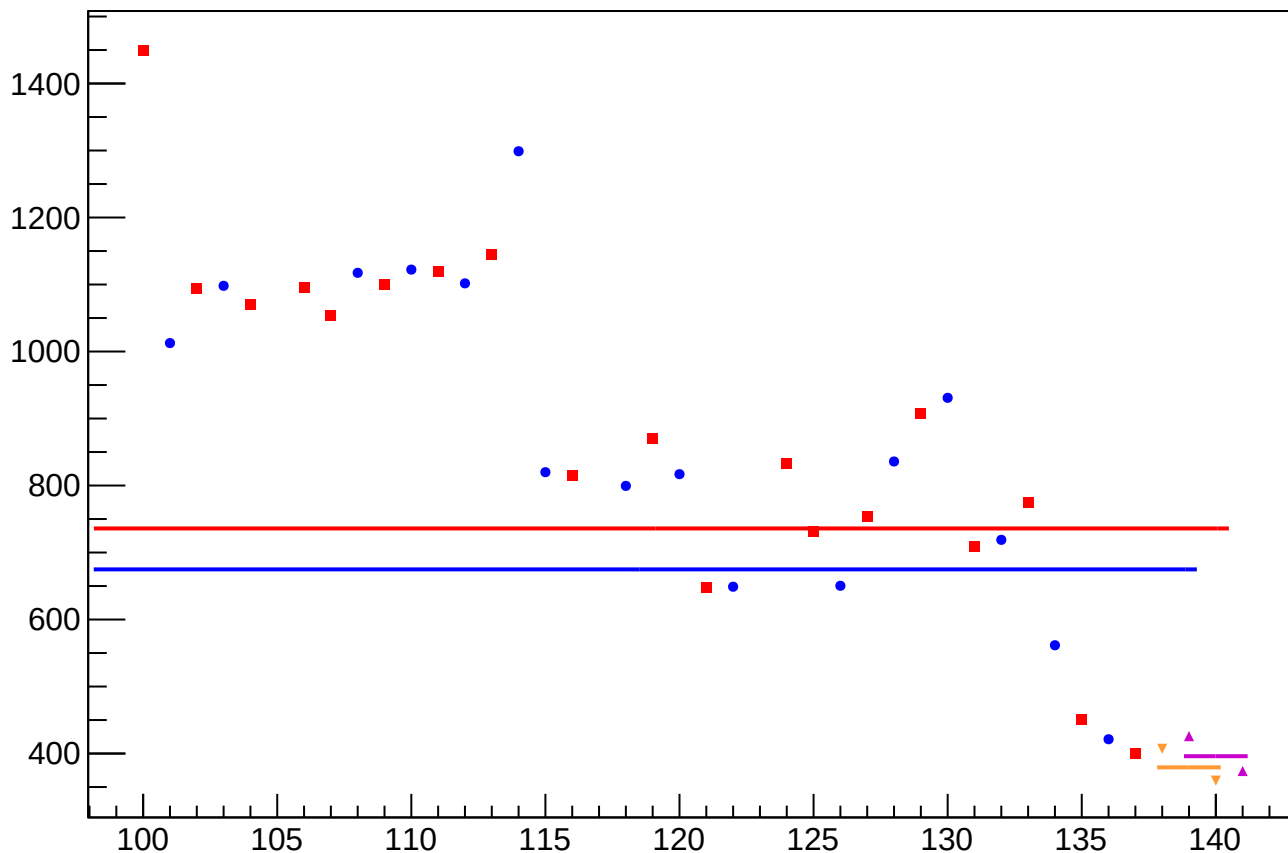
Left In: 57.568 $\pm$ 302.438 χ^2 /NDF:0.1/1

+ sign 396.234 $\pm$ 199.432 χ^2 /NDF: 22.2/17

All: 244.184 $\pm$ 143.738 χ^2 /NDF: 38.6/38

- sign 79.819 $\pm$ 207.351 χ^2 /NDF: 15.2/20

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF : 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF : 12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

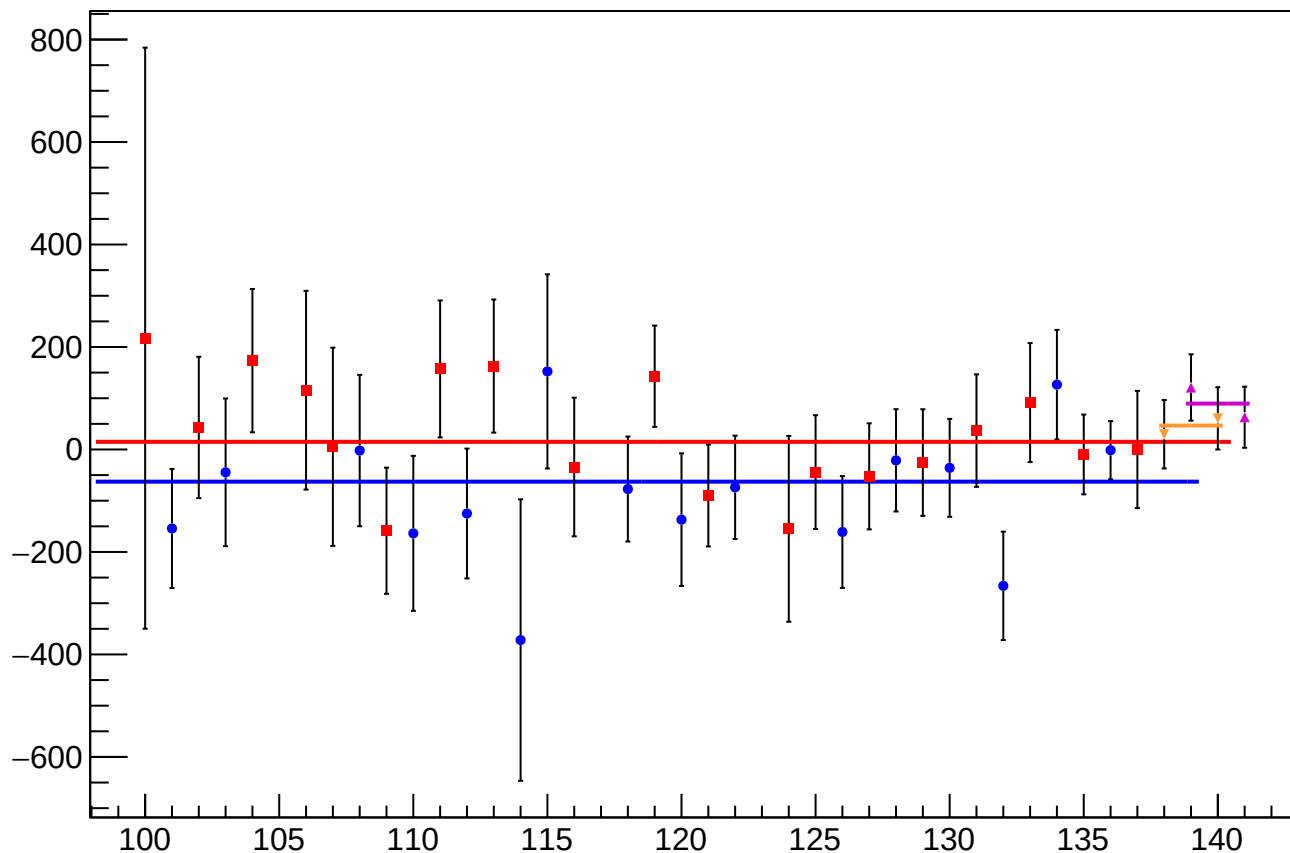
Left In: 396.019+/-0.214 χ^2/NDF : 14462.0/1

+ sign 544.460+/-0.141 χ^2/NDF : 2711999.6/17

All: 559.689+/-0.102 χ^2/NDF : 5586451.0/38

- sign 576.151+/-0.147 χ^2/NDF : 2850182.9/20

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 46.672 ± 44.936 χ^2/NDF : 0.1/1

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

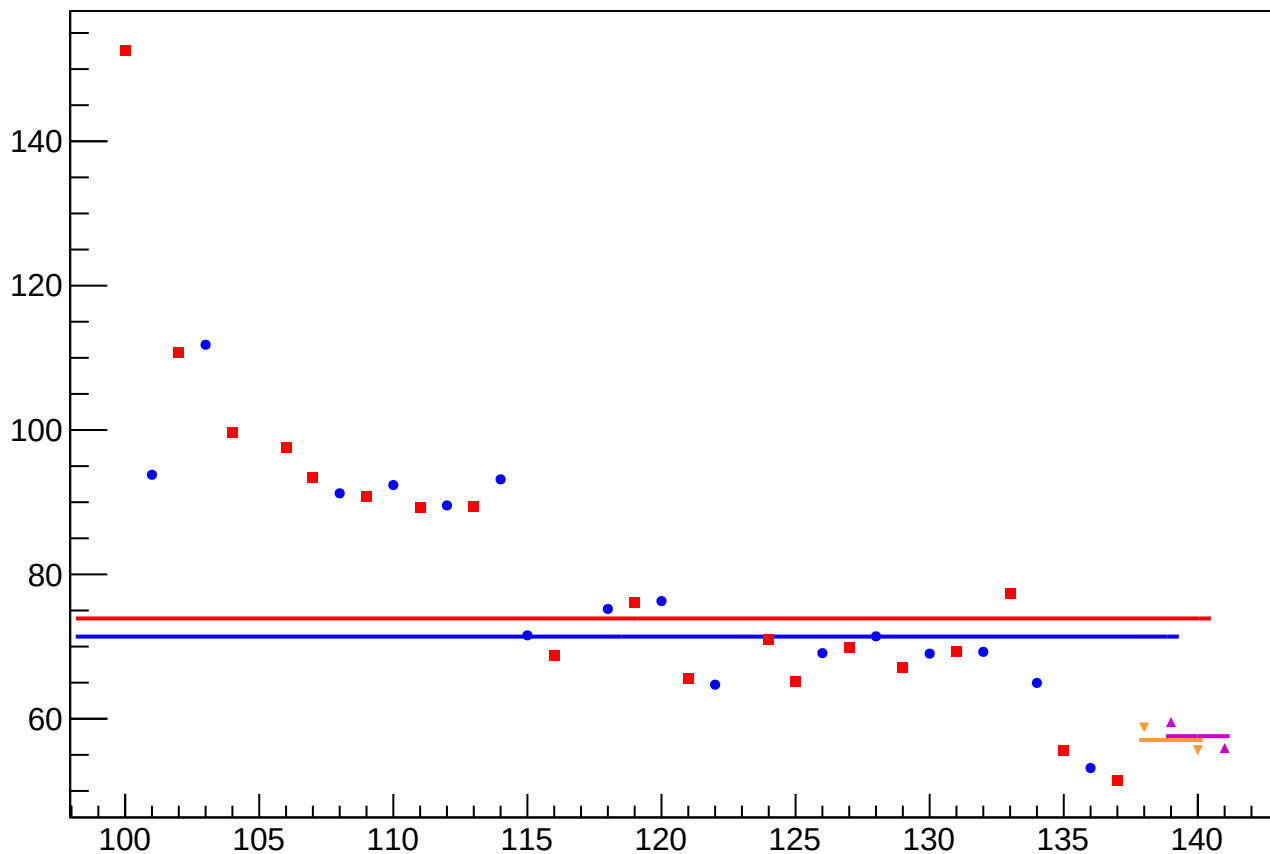
Left In: 89.557 ± 43.852 χ^2/NDF : 0.4/1

+ sign -33.417 ± 23.277 χ^2/NDF : 17.9/17

All: 1.159 ± 16.527 χ^2/NDF : 36.3/38

- sign 36.307 ± 23.469 χ^2/NDF : 13.9/20

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF : 590911.7/15

Left Out: 57.065+/-0.032 χ^2/NDF : 2415.0/1

Right Out: 73.894+/-0.020 χ^2/NDF : 627014.3/18

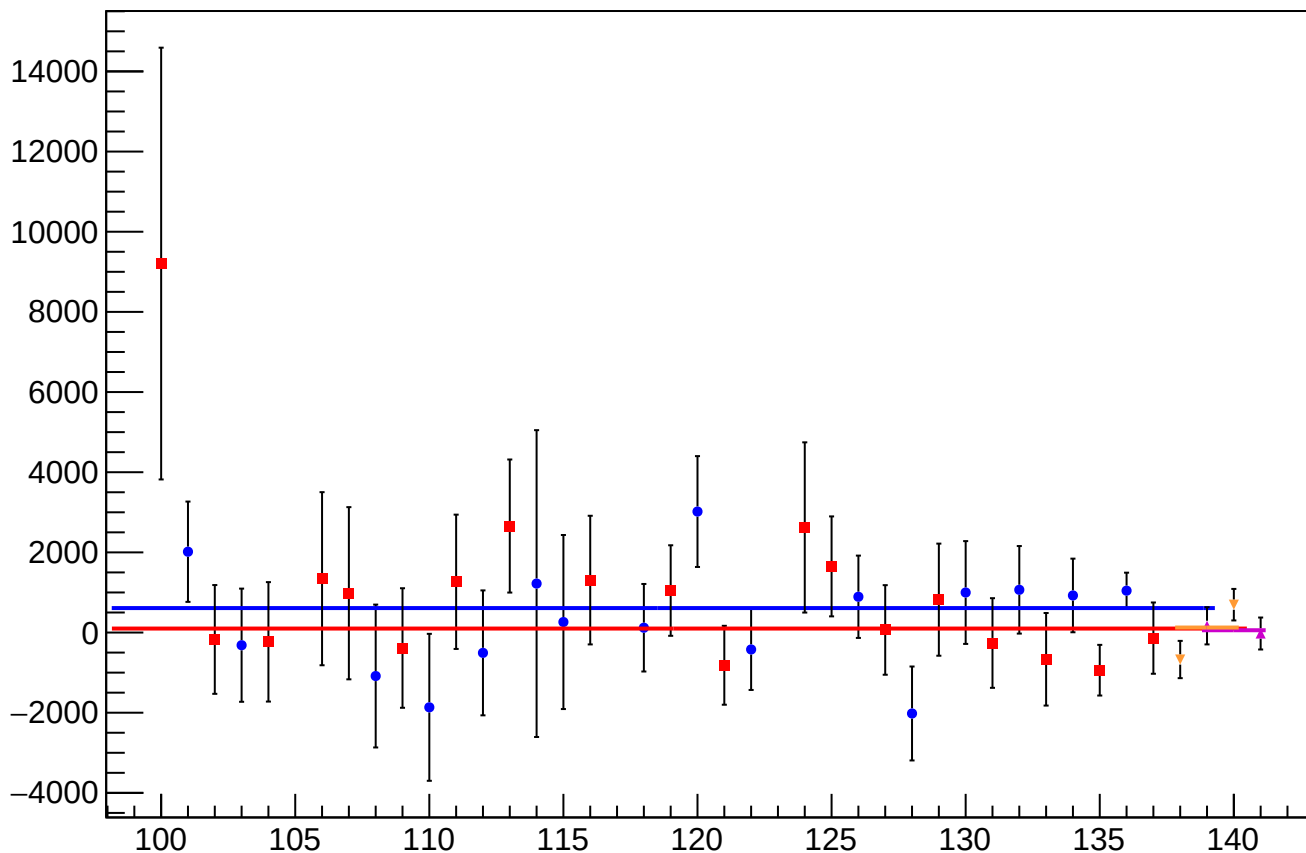
Left In: 57.592+/-0.031 χ^2/NDF : 3347.3/1

+ sign 67.541+/-0.016 χ^2/NDF : 741895.4/17

All: 68.376+/-0.012 χ^2/NDF : 1574679.8/38

- sign 69.224+/-0.017 χ^2/NDF : 827598.1/20

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549 $\pm$ 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

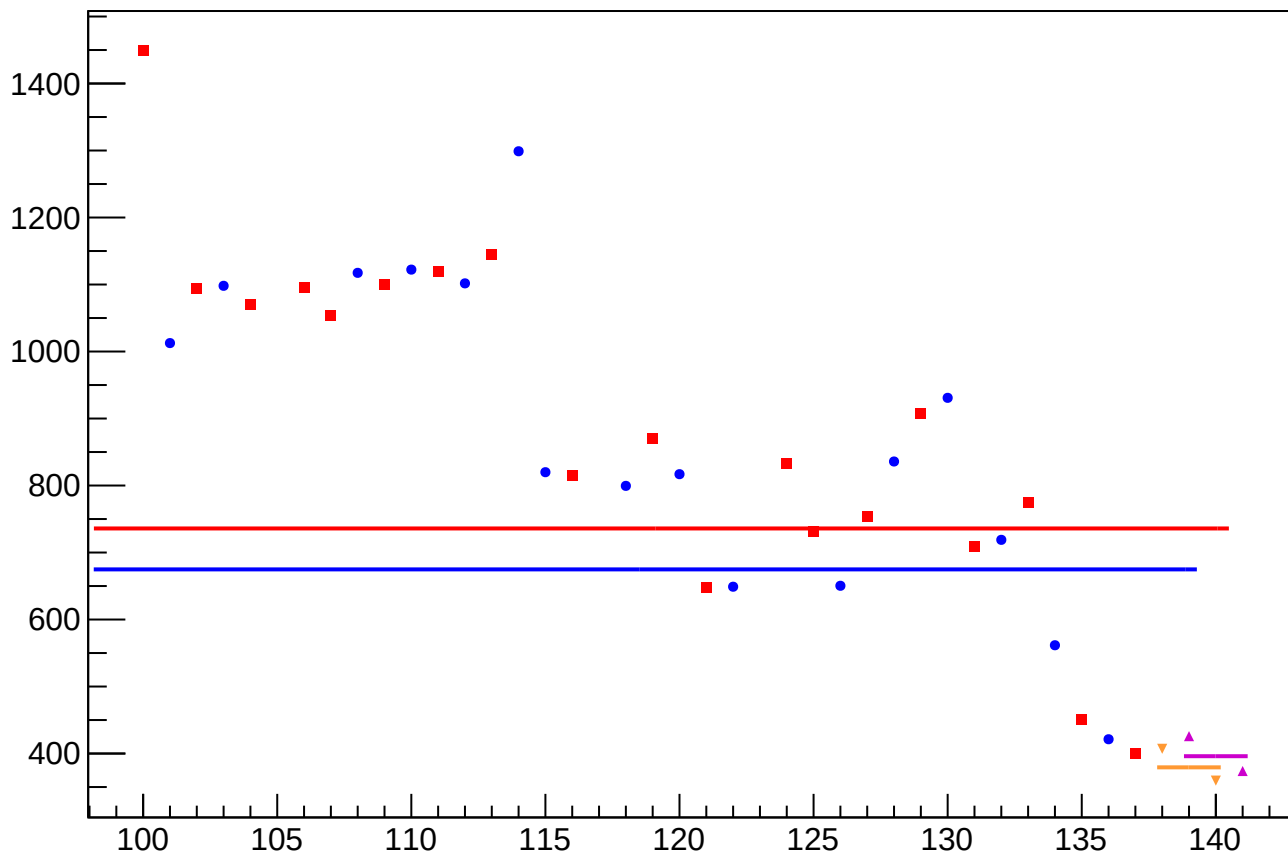
Left In: 57.568 $\pm$ 302.438 χ^2 /NDF: 0.1/1

+ sign 396.234 $\pm$ 199.432 χ^2 /NDF: 22.2/17

All: 244.184 $\pm$ 143.738 χ^2 /NDF: 38.6/38

- sign 79.819 $\pm$ 207.351 χ^2 /NDF: 15.2/20

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

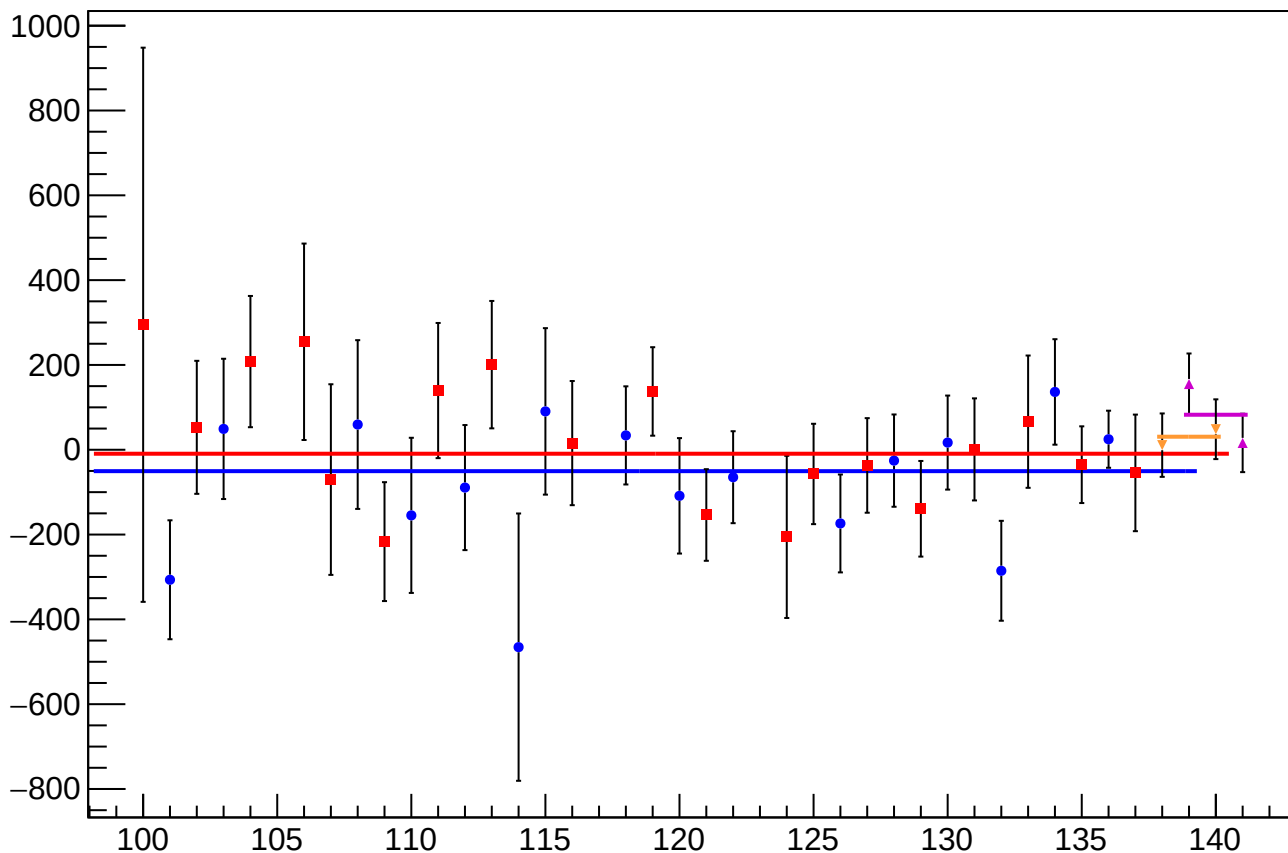
Left In: 396.019+/-0.214 χ^2/NDF : 14462.0/1

+ sign 544.460+/-0.141 χ^2/NDF : 2711999.6/17

All: 559.689+/-0.102 χ^2/NDF : 5586451.0/38

- sign 576.151+/-0.147 χ^2/NDF : 2850182.9/20

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465 ± 31.061 χ^2/NDF : 16.4/15

Left Out: 30.740 ± 51.274 χ^2/NDF : 0.1/1

Right Out: -9.380 ± 31.235 χ^2/NDF : 15.6/18

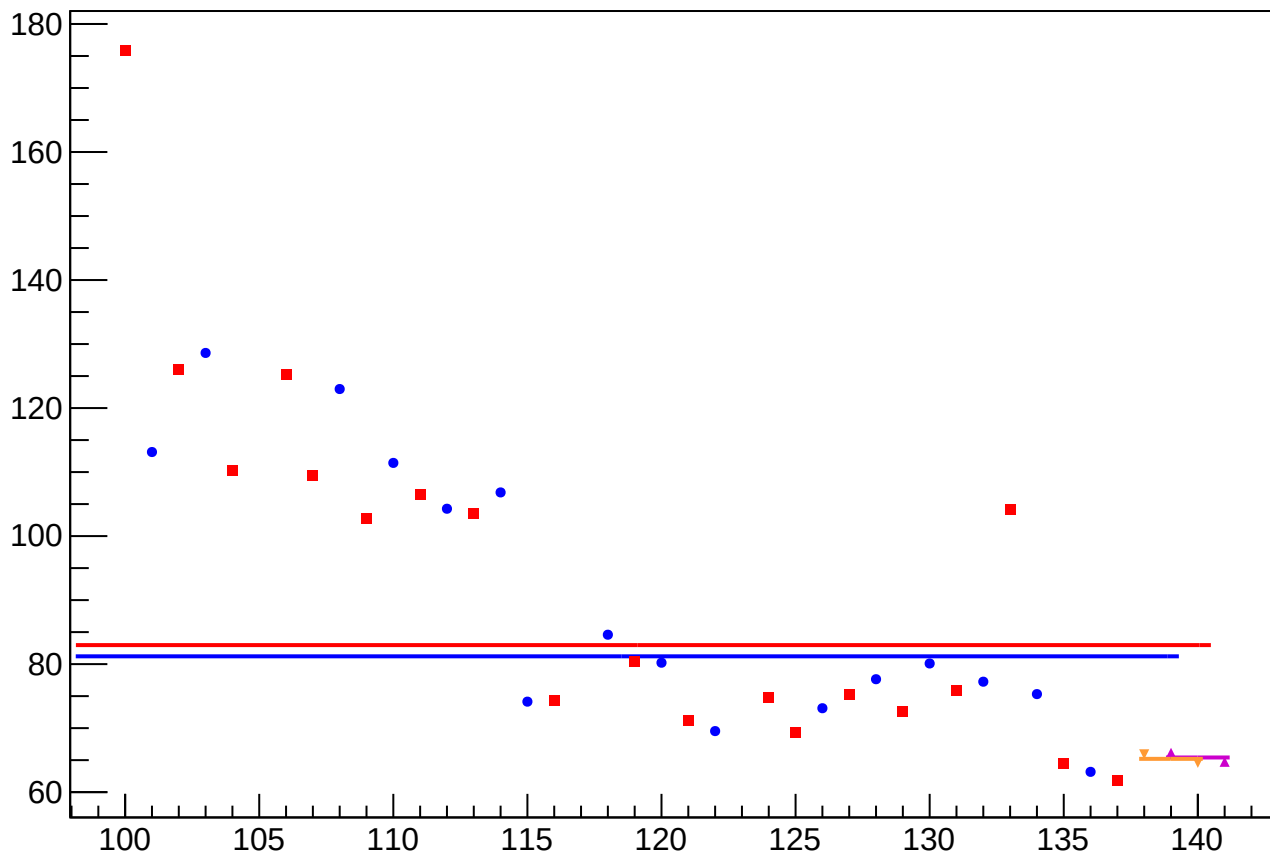
Left In: 82.547 ± 49.754 χ^2/NDF : 1.9/1

+ sign -28.665 ± 26.567 χ^2/NDF : 18.4/17

All: -5.932 ± 18.745 χ^2/NDF : 39.8/38

- sign 16.607 ± 26.454 χ^2/NDF : 20.0/20

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218 $\pm$ 0.022 χ^2 /NDF: 662873.6/15

Left Out: 65.201 $\pm$ 0.036 χ^2 /NDF:335.5/1

Right Out: 82.971 $\pm$ 0.022 χ^2 /NDF: 730384.9/18

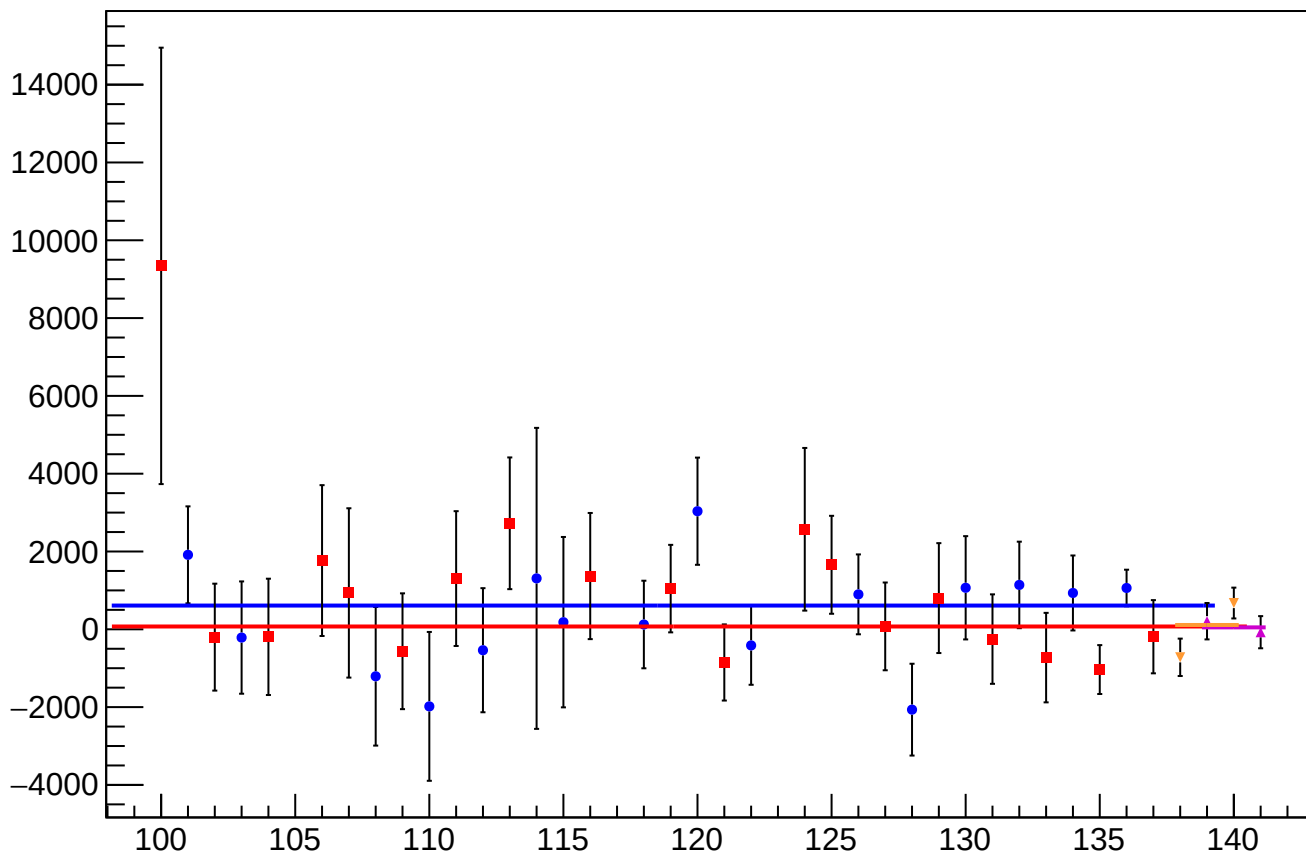
Left In: 65.414 $\pm$ 0.035 χ^2 /NDF:396.7/1

+ sign 76.918 $\pm$ 0.019 χ^2 /NDF: 805981.4/17

All: 77.465 $\pm$ 0.013 χ^2 /NDF: 1717083.0/38

- sign 78.008 $\pm$ 0.019 χ^2 /NDF: 909412.2/20

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF : 15.8/15

Left Out: 110.976+/-305.635 χ^2/NDF : 5.0/1

Right Out: 72.311+/-286.830 χ^2/NDF : 16.2/18

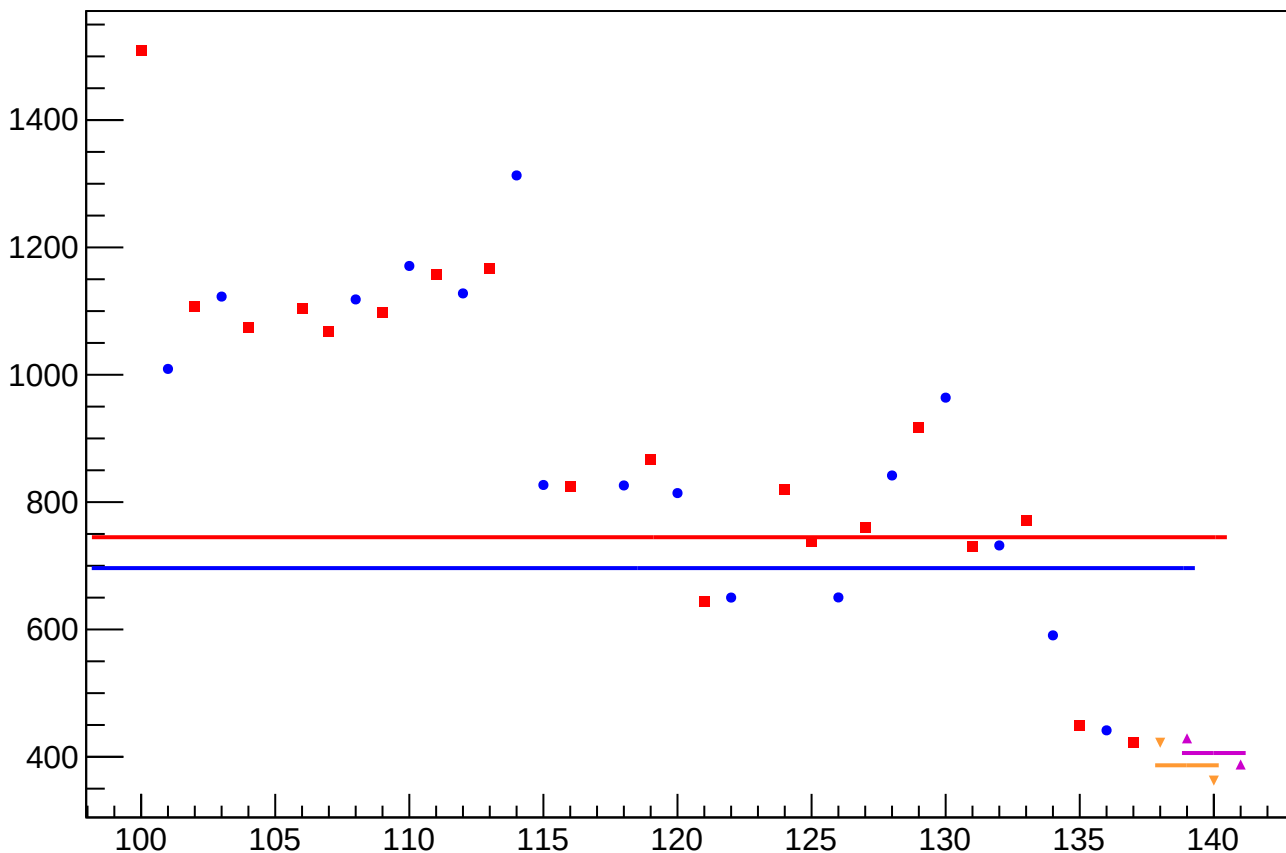
Left In: 49.435+/-309.703 χ^2/NDF : 0.2/1

+ sign 387.871+/-204.010 χ^2/NDF : 22.3/17

All: 229.869+/-146.478 χ^2/NDF : 39.9/38

- sign 61.749+/-210.442 χ^2/NDF : 16.4/20

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF : 1515478.0/15

Left Out: 386.674+/-0.216 χ^2/NDF :18246.5/1

Right Out: 744.875+/-0.203 χ^2/NDF : 1498361.7/18

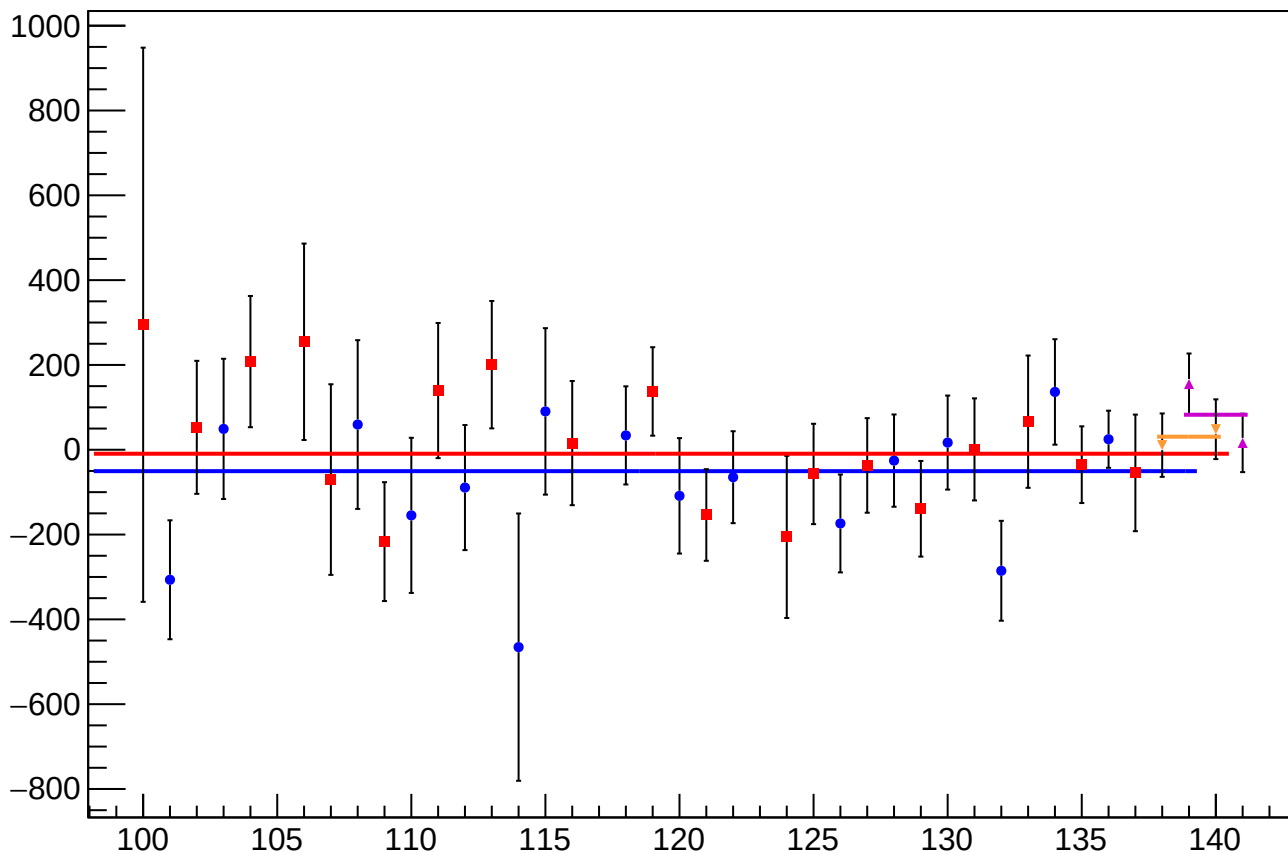
Left In: 405.968+/-0.219 χ^2/NDF :8673.8/1

+ sign 558.385+/-0.144 χ^2/NDF : 2672294.7/17

All: 572.925+/-0.104 χ^2/NDF : 5489478.7/38

- sign 588.397+/-0.149 χ^2/NDF : 2796213.2/20

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466 ± 31.061 χ^2/NDF : 16.4/15

Left Out: 30.742 ± 51.274 χ^2/NDF : 0.1/1

Right Out: -9.381 ± 31.235 χ^2/NDF : 15.6/18

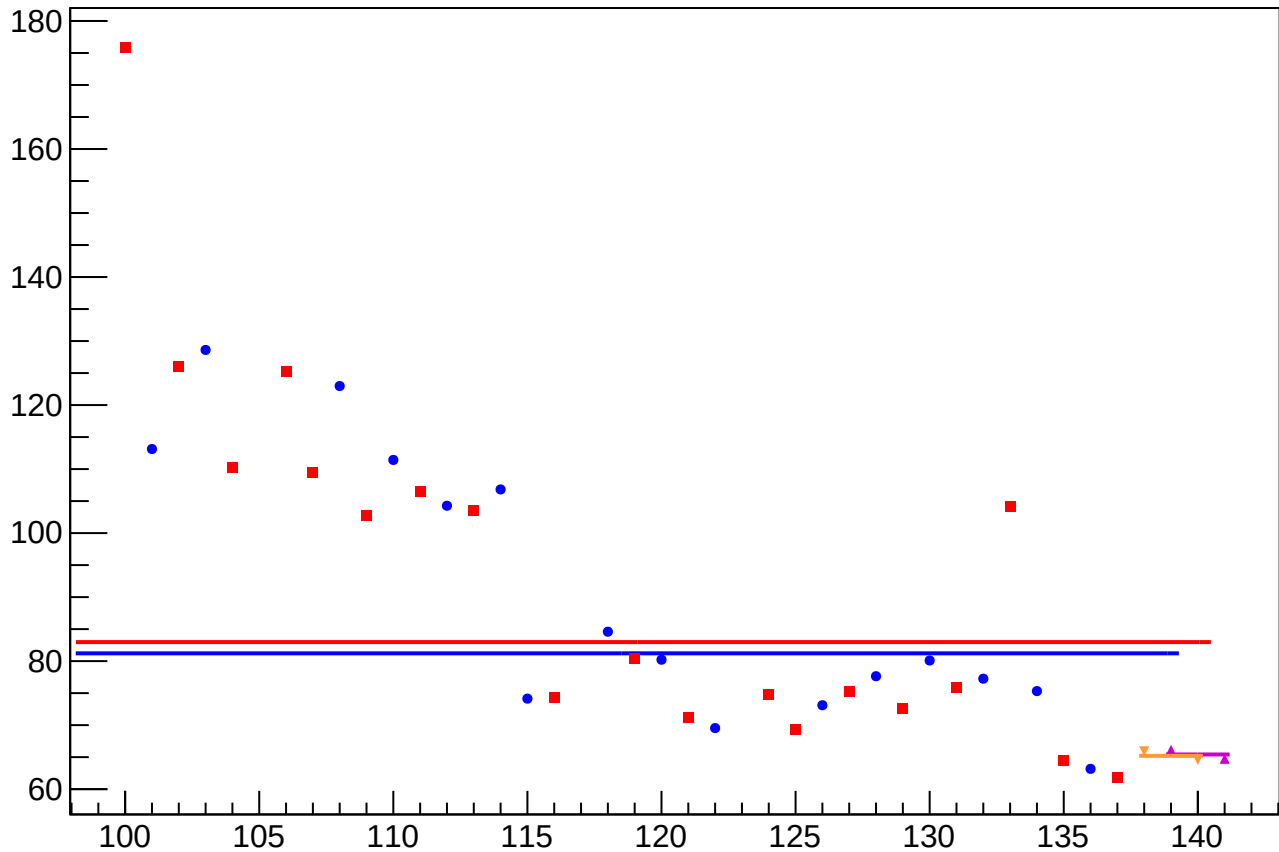
Left In: 82.546 ± 49.754 χ^2/NDF : 1.9/1

+ sign -28.665 ± 26.567 χ^2/NDF : 18.4/17

All: -5.933 ± 18.745 χ^2/NDF : 39.8/38

- sign 16.606 ± 26.454 χ^2/NDF : 20.0/20

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218 $\pm$ 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

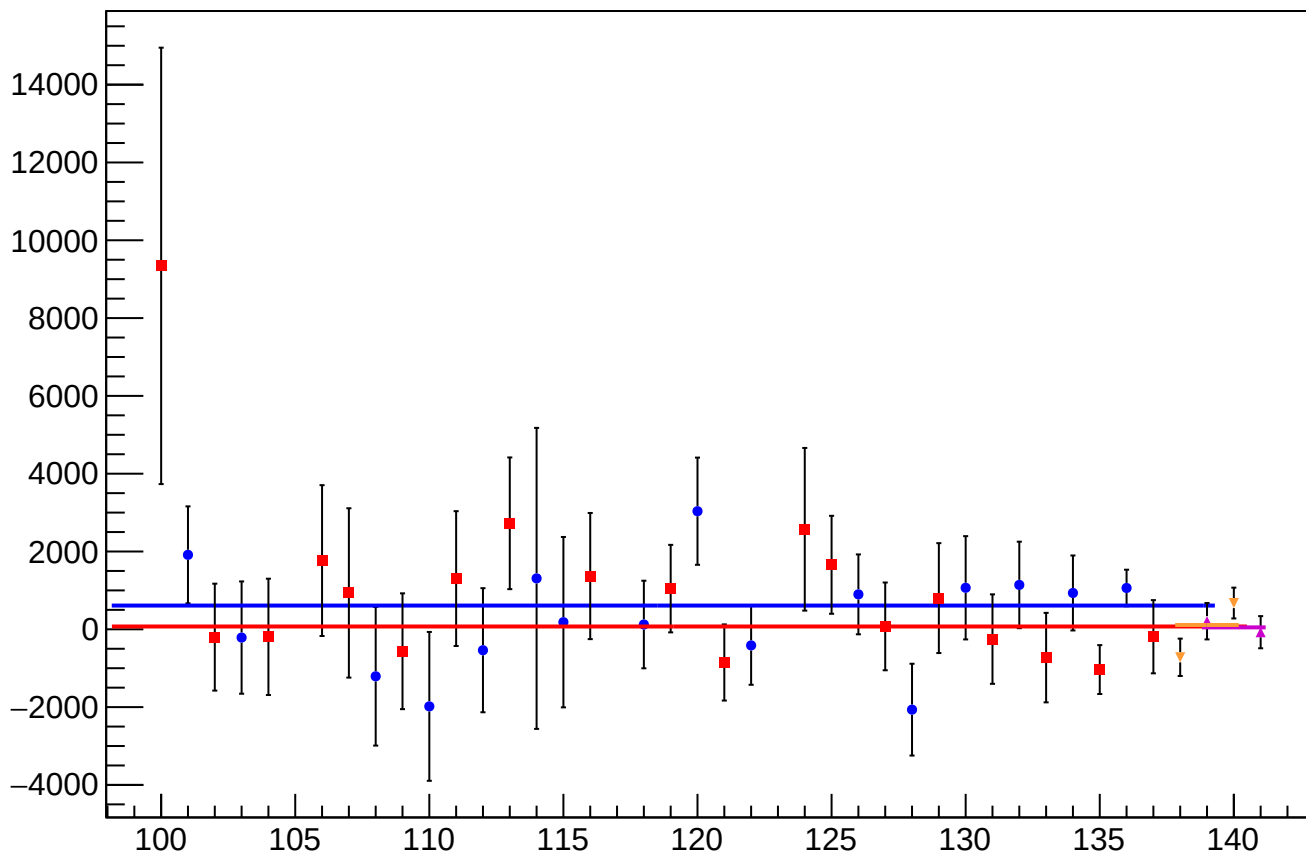
Left In: 65.415 $\pm$ 0.035 χ^2 /NDF: 396.4/1

+ sign 76.918 $\pm$ 0.019 χ^2 /NDF: 805956.4/17

All: 77.465 $\pm$ 0.013 χ^2 /NDF: 1717033.5/38

- sign 78.008 $\pm$ 0.019 χ^2 /NDF: 909387.1/20

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

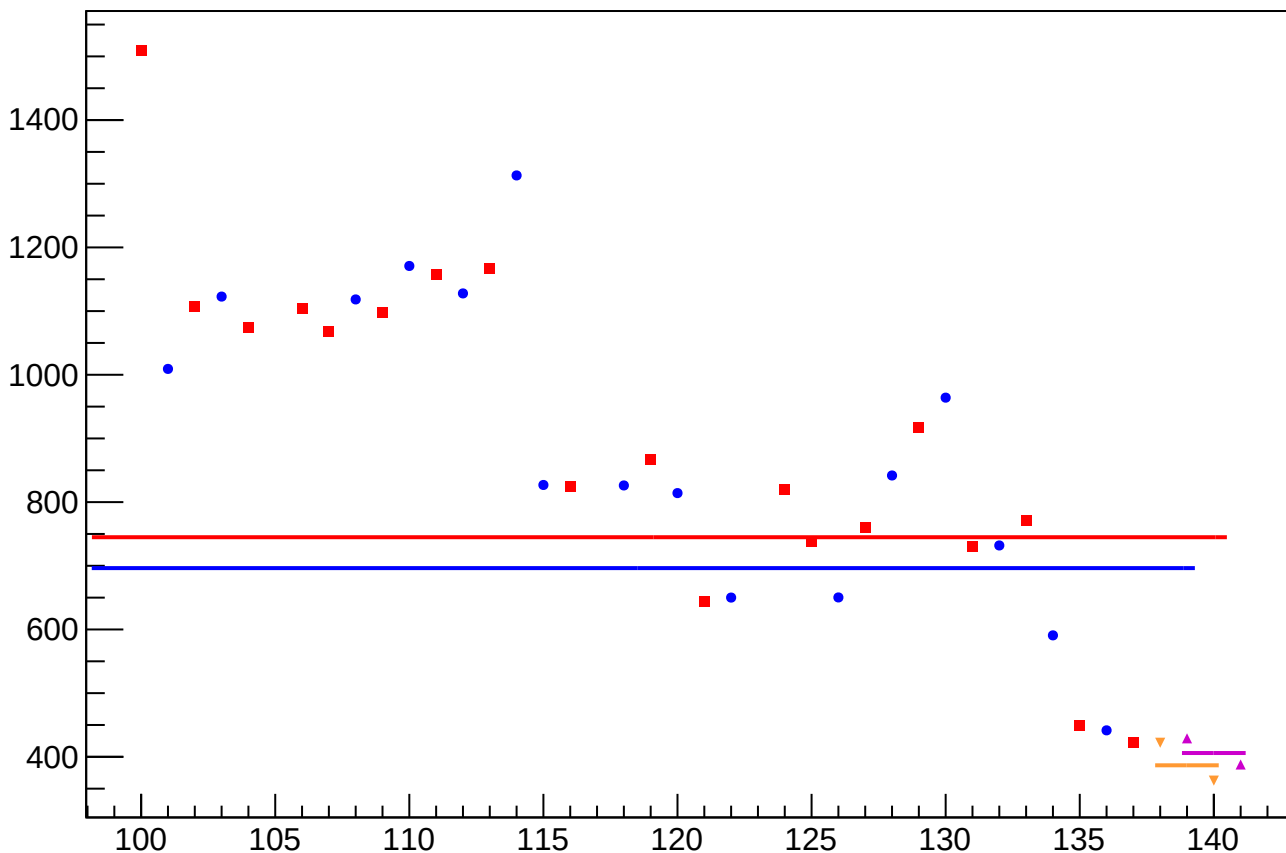
Left In: 49.434 $\pm$ 309.703 χ^2 /NDF: 0.2/1

+ sign 387.871 $\pm$ 204.010 χ^2 /NDF: 22.3/17

All: 229.869 $\pm$ 146.478 χ^2 /NDF: 39.9/38

- sign 61.749 $\pm$ 210.442 χ^2 /NDF: 16.4/20

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 696.370 $\pm$ 0.194 χ^2 /NDF: 1515461.8/15

Left Out: 386.674 $\pm$ 0.216 χ^2 /NDF:18245.3/1

Right Out: 744.874 $\pm$ 0.203 χ^2 /NDF: 1498349.6/18

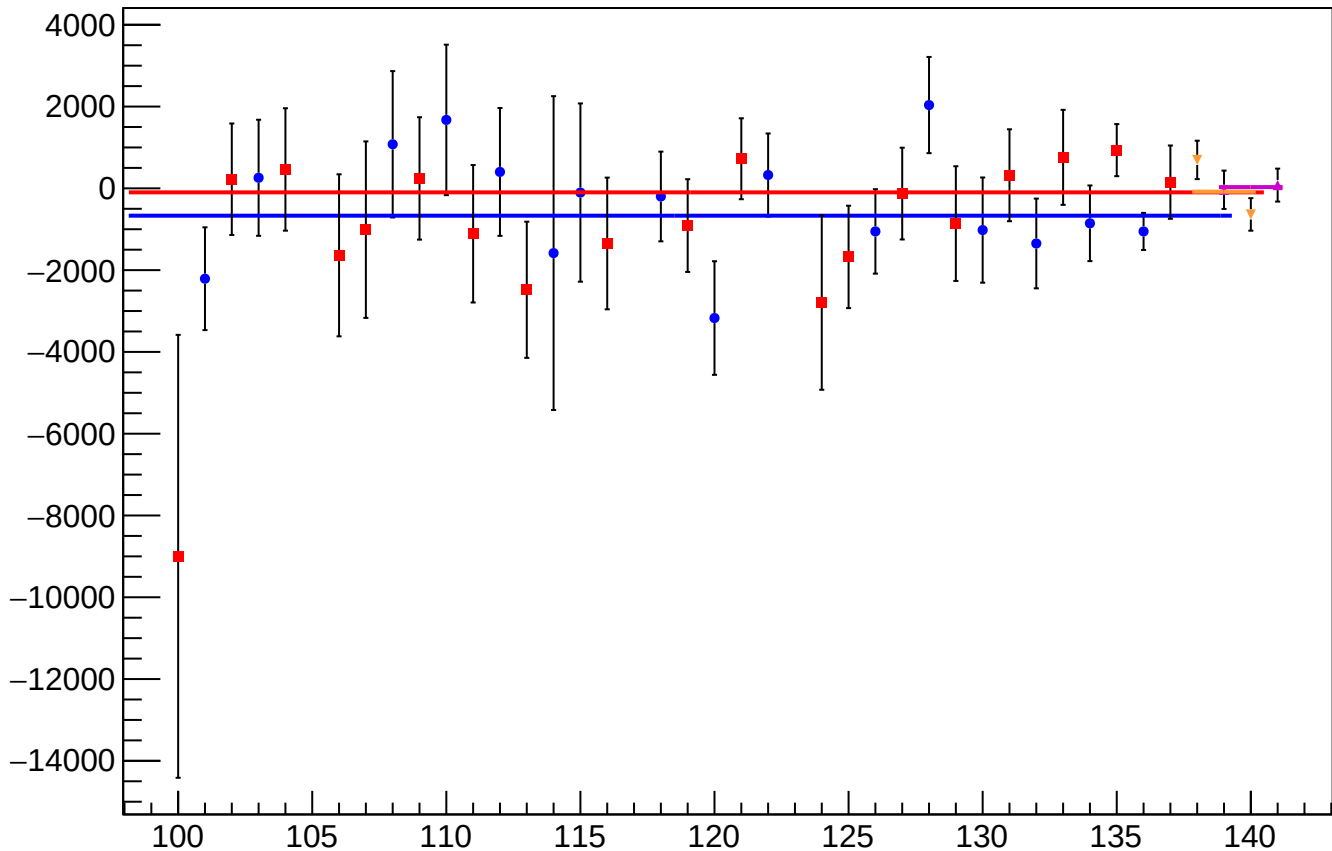
Left In: 405.969 $\pm$ 0.219 χ^2 /NDF:8672.5/1

+ sign 558.385 $\pm$ 0.144 χ^2 /NDF: 2672263.7/17

All: 572.926 $\pm$ 0.104 χ^2 /NDF: 5489422.4/38

- sign 588.397 $\pm$ 0.149 χ^2 /NDF: 2796188.3/20

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF : 16.1/15

Left Out: -81.089+/-303.626 χ^2/NDF : 4.7/1

Right Out: -98.003+/-285.882 χ^2/NDF : 14.8/18

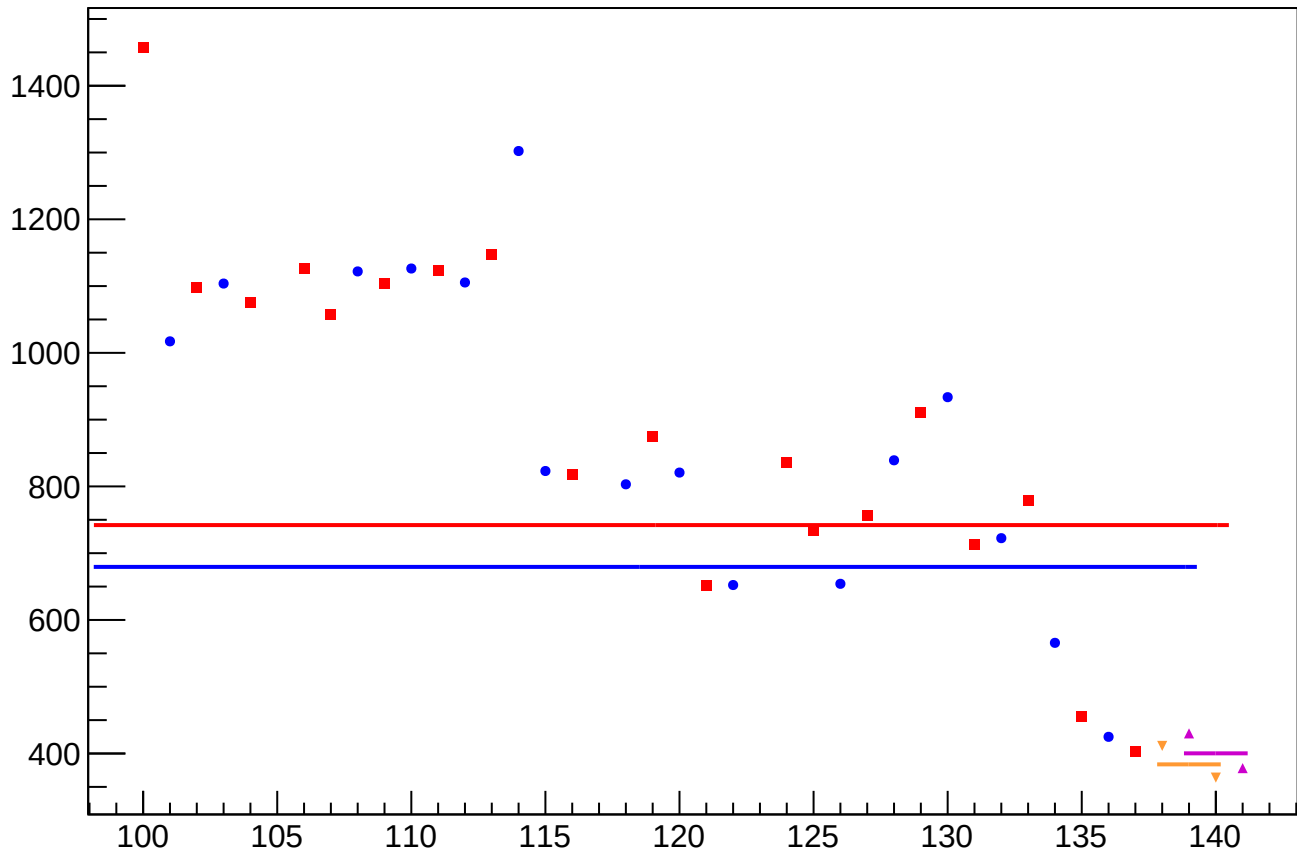
Left In: 30.704+/-305.640 χ^2/NDF : 0.0/1

+ sign -410.776+/-201.116 χ^2/NDF : 22.9/17

All: -231.333+/-144.846 χ^2/NDF : 39.5/38

- sign -37.944+/-208.785 χ^2/NDF : 14.9/20

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF : 1600922.1/15

Left Out: 383.736+/-0.215 χ^2/NDF :11893.5/1

Right Out: 742.081+/-0.202 χ^2/NDF : 1504391.2/18

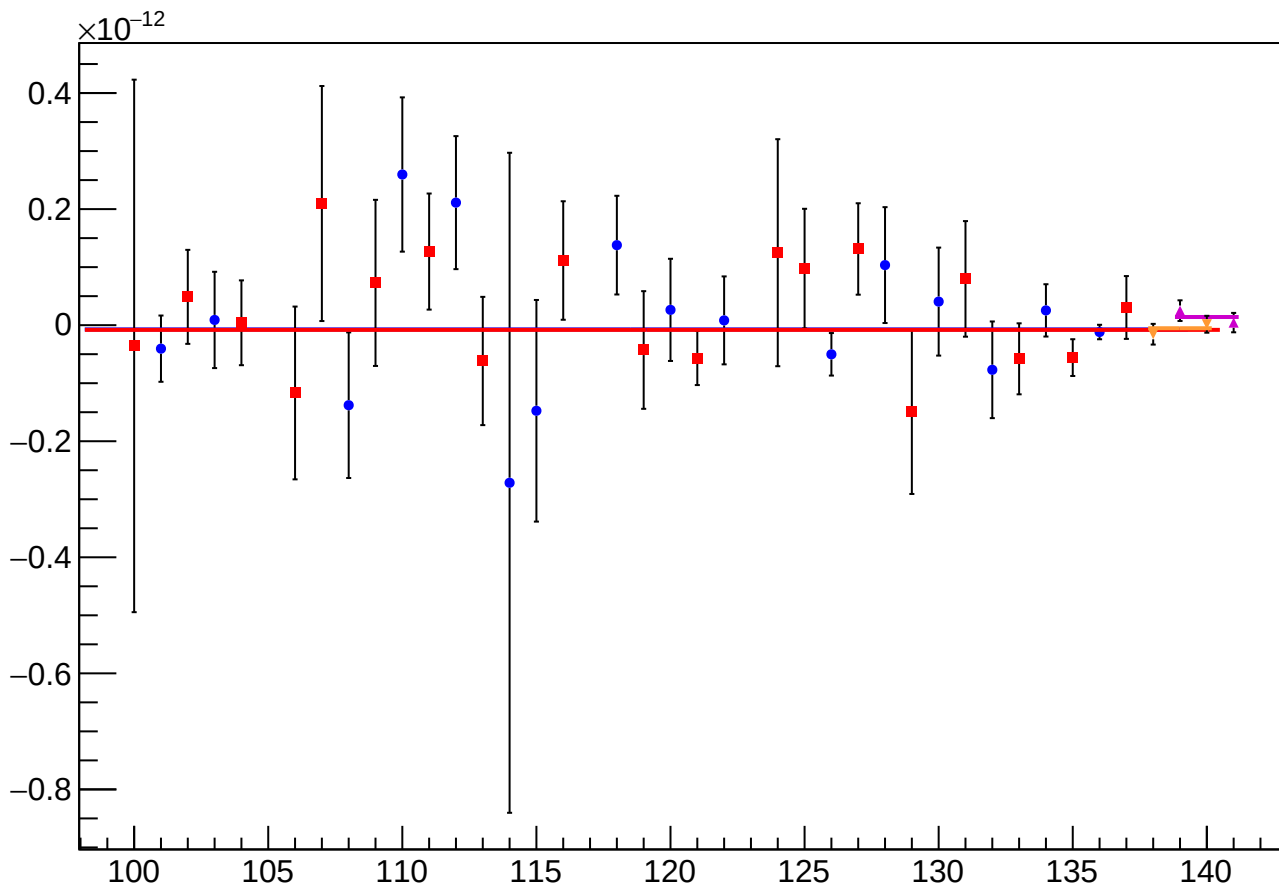
Left In: 400.249+/-0.216 χ^2/NDF :14162.2/1

+ sign 549.717+/-0.142 χ^2/NDF : 2677717.3/17

All: 565.529+/-0.102 χ^2/NDF : 5556275.5/38

- sign 582.570+/-0.148 χ^2/NDF : 2852871.1/20

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

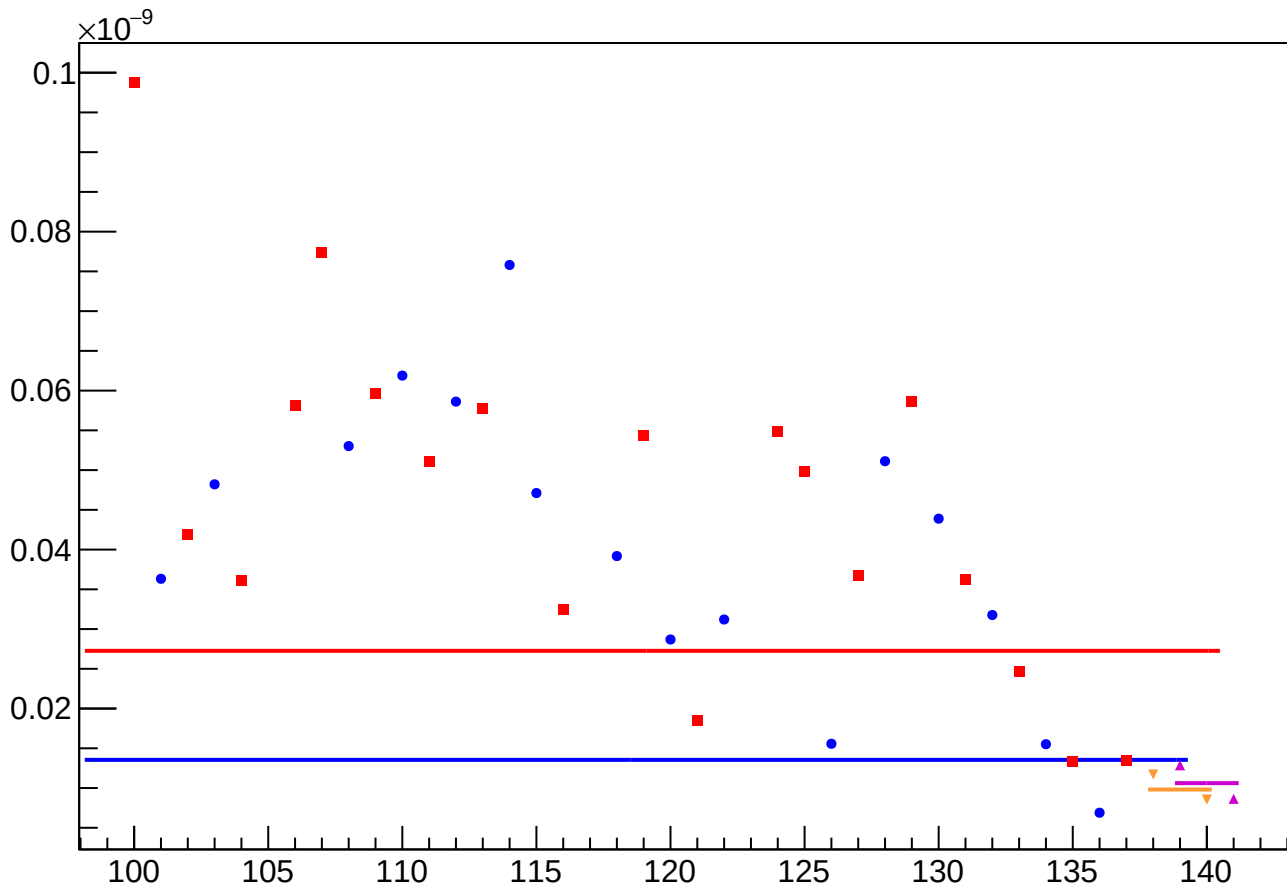
Left In: 0.000+/-0.000 χ^2 /NDF: 0.7/1

+ sign -0.000+/-0.000 χ^2 /NDF: 17.8/17

All: -0.000+/-0.000 χ^2 /NDF: 37.7/38

- sign 0.000+/-0.000 χ^2 /NDF: 18.8/20

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

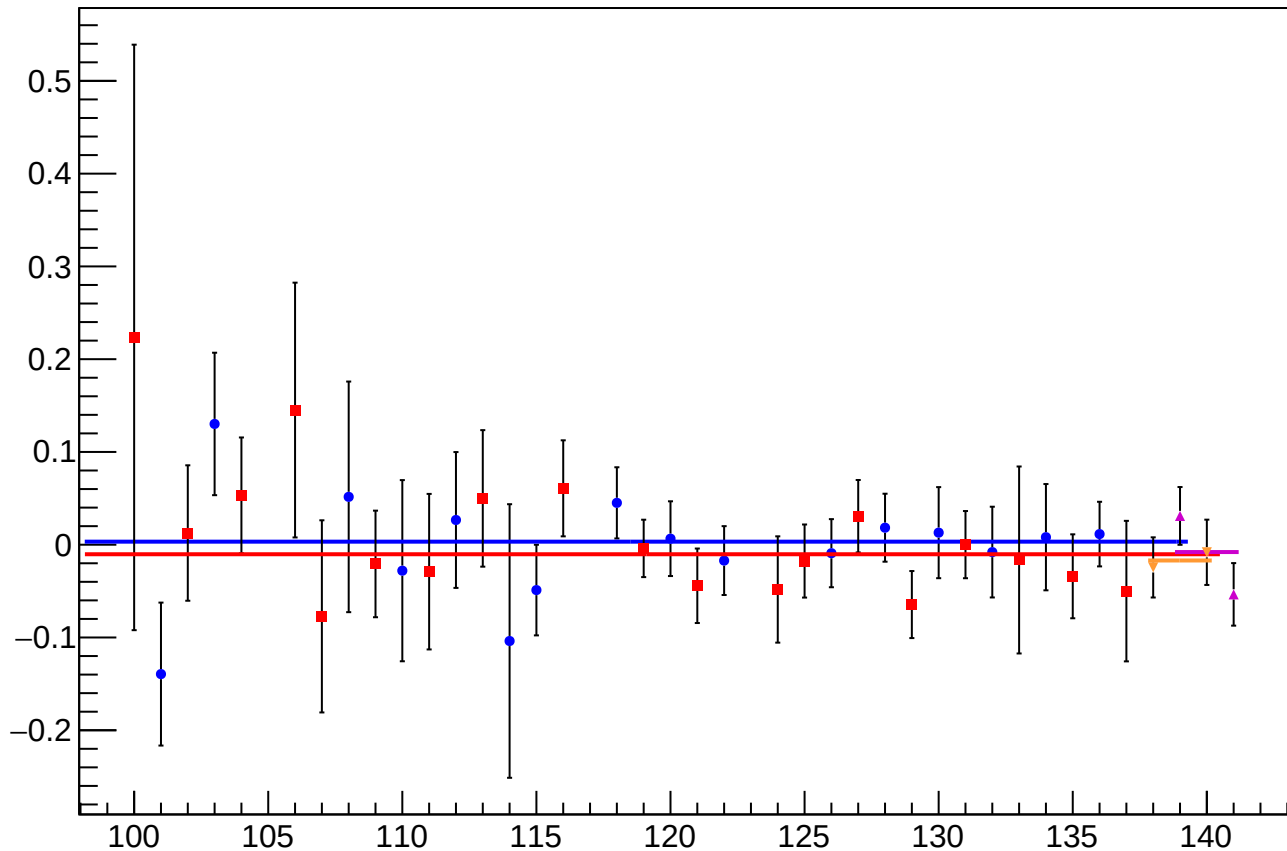
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:59620.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3200864.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6467011.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3030681.9/20

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 χ^2/NDF : 10.1/15

Left Out: -0.017 ± 0.024 χ^2/NDF : 0.1/1

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

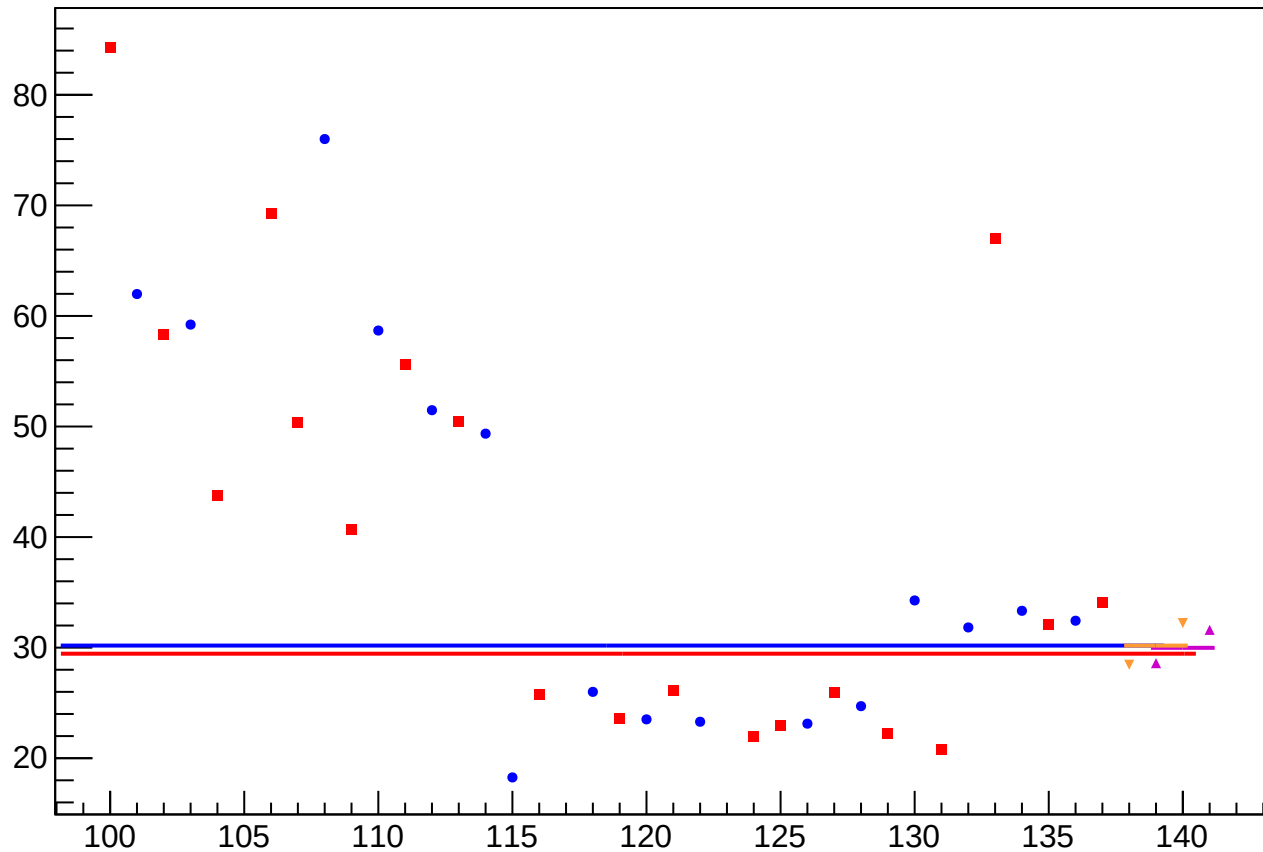
Left In: -0.008 ± 0.023 χ^2/NDF : 3.4/1

+ sign -0.001 ± 0.011 χ^2/NDF : 10.8/17

All: -0.006 ± 0.008 χ^2/NDF : 25.8/38

- sign -0.010 ± 0.010 χ^2/NDF : 14.6/20

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2 /NDF: 1687373.5/15

Left Out: 30.184 $\pm$ 0.017 χ^2 /NDF:12401.7/1

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848636.5/18

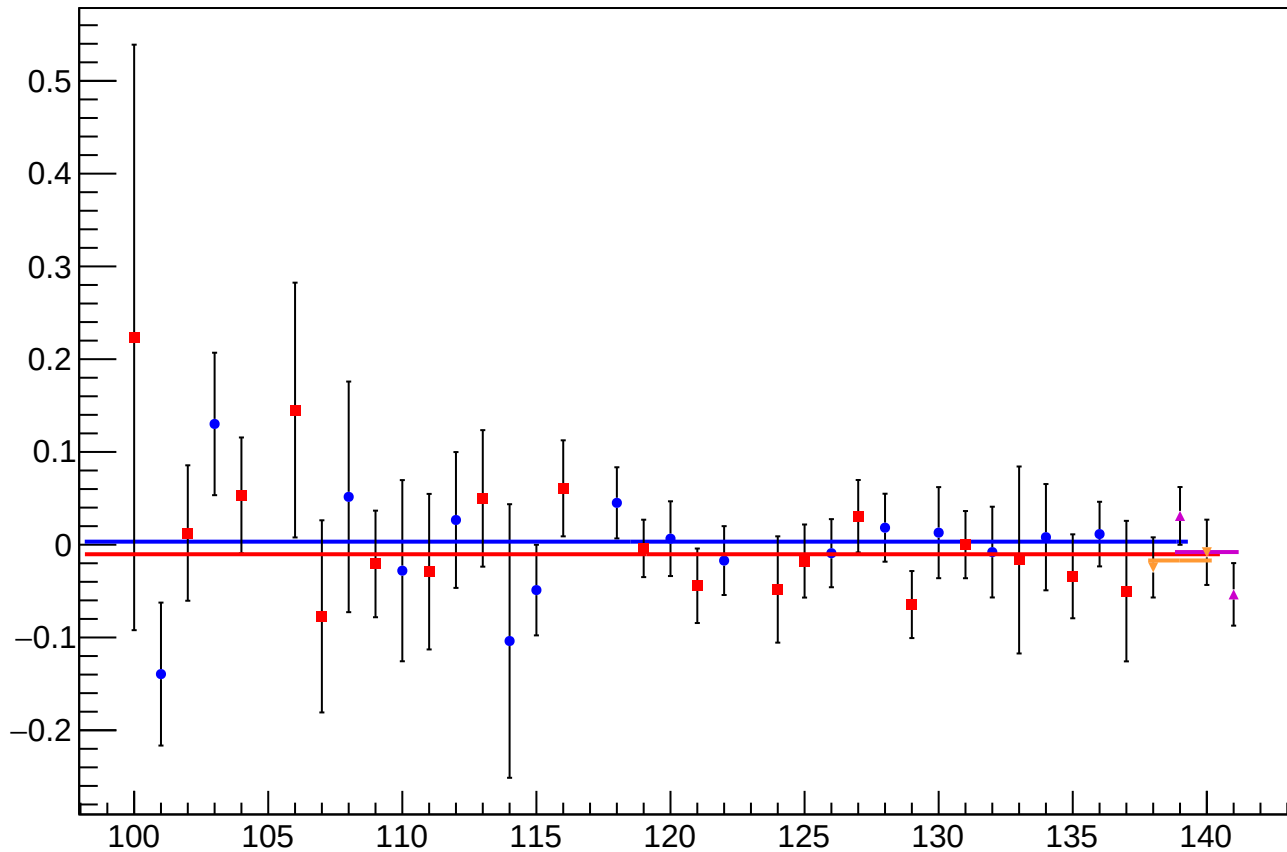
Left In: 29.983 $\pm$ 0.016 χ^2 /NDF:8620.5/1

+ sign 30.186 $\pm$ 0.008 χ^2 /NDF: 1699775.2/17

All: 29.863 $\pm$ 0.005 χ^2 /NDF: 3561266.0/38

- sign 29.563 $\pm$ 0.007 χ^2 /NDF: 1858109.4/20

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

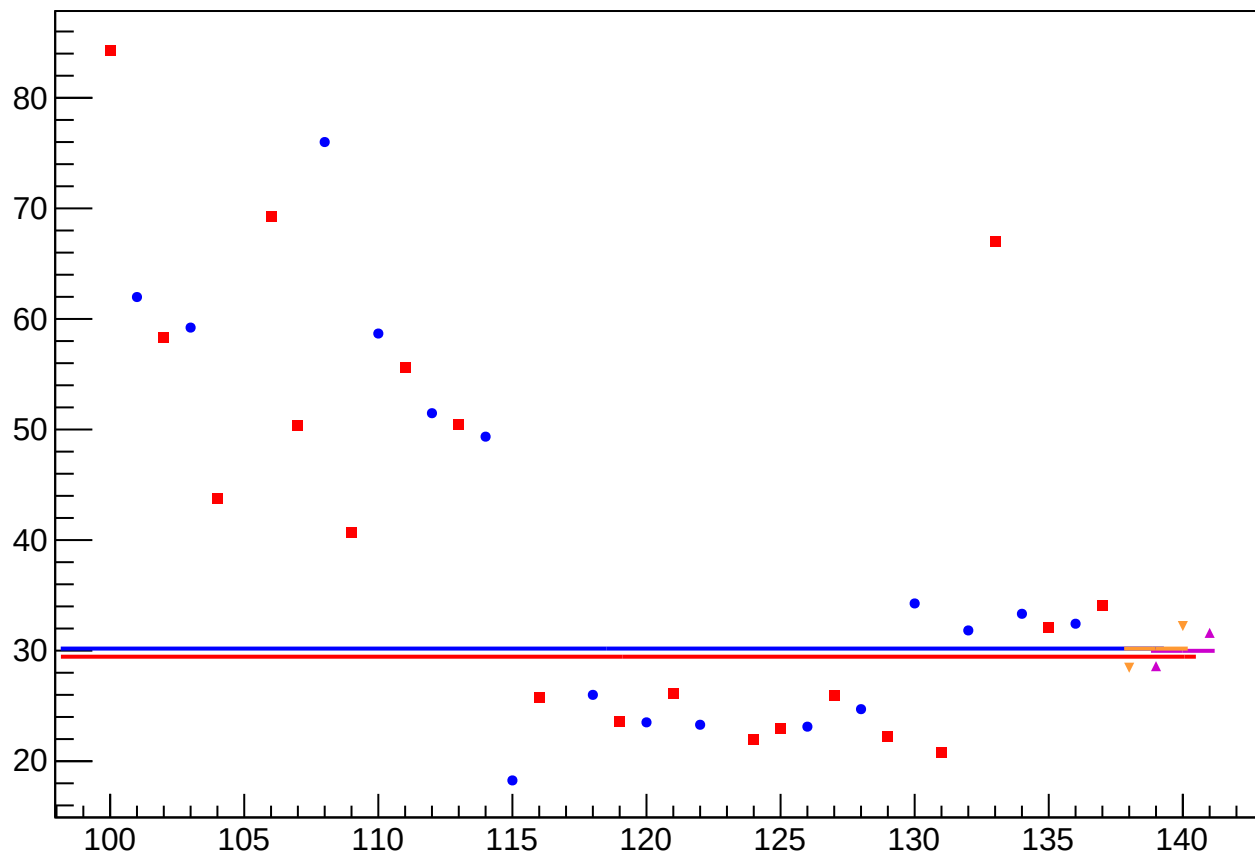
Left In: -0.008 $\pm$ 0.023 χ^2 /NDF: 3.4/1

+ sign -0.001 $\pm$ 0.011 χ^2 /NDF: 10.8/17

All: -0.006 $\pm$ 0.008 χ^2 /NDF: 25.8/38

- sign -0.010 $\pm$ 0.010 χ^2 /NDF: 14.6/20

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

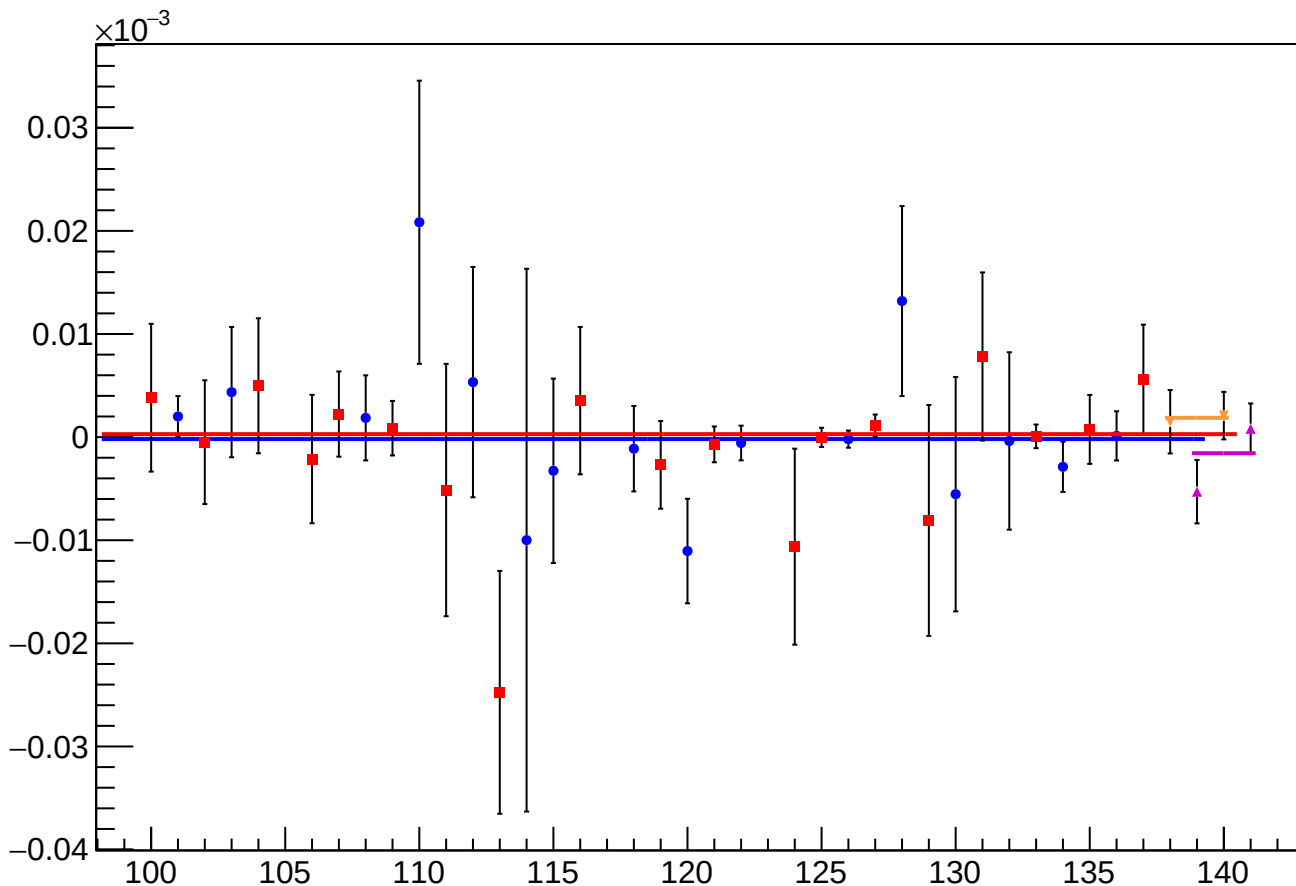
Left In: 29.983+/-0.016 χ^2/NDF : 8620.5/1

+ sign 30.186+/-0.008 χ^2/NDF : 1699775.2/17

All: 29.863+/-0.005 χ^2/NDF : 3561266.0/38

- sign 29.563+/-0.007 χ^2/NDF : 1858109.4/20

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

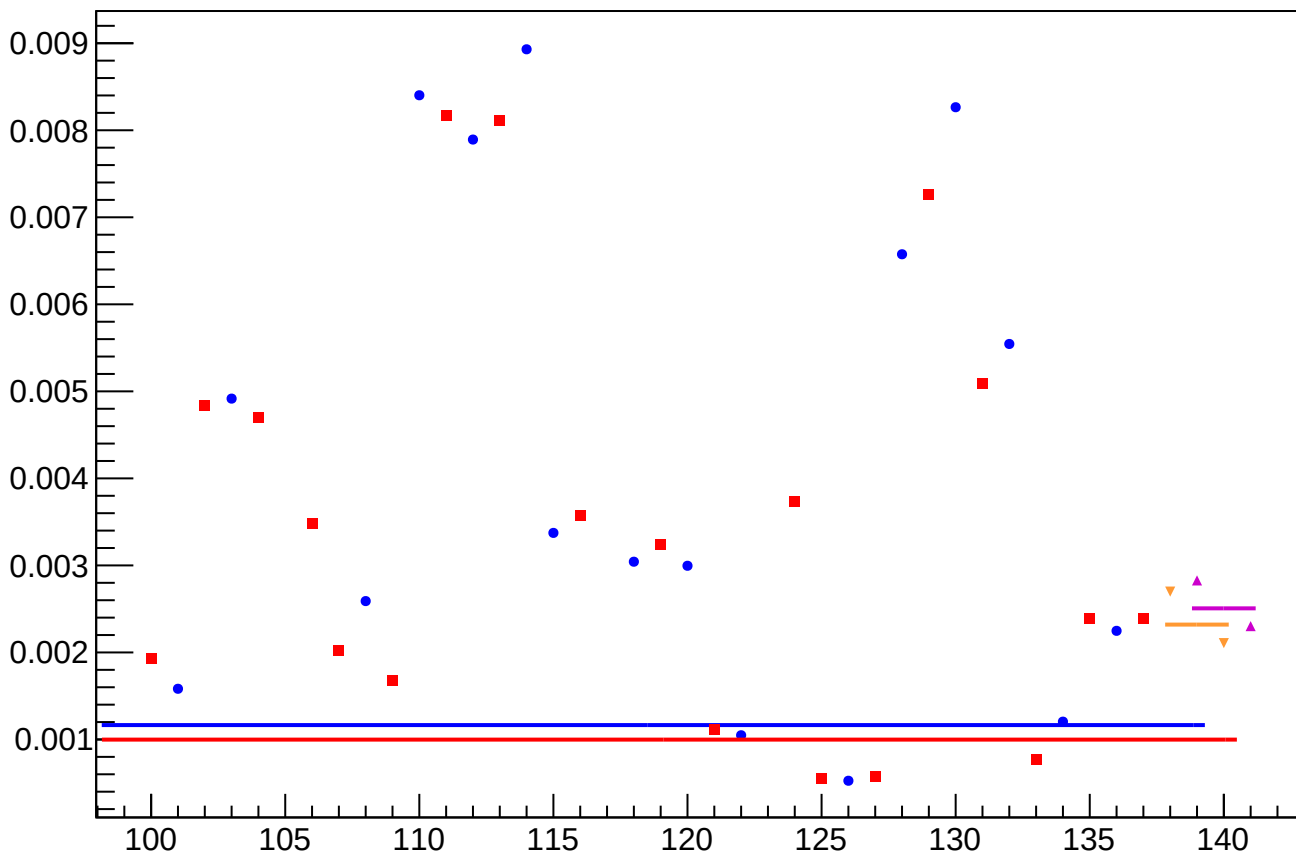
Left In: -0.000 ± 0.000 χ^2/NDF : 2.4/1

+ sign 0.000 ± 0.000 χ^2/NDF : 14.3/17

All: 0.000 ± 0.000 χ^2/NDF : 29.0/38

- sign 0.000 ± 0.000 χ^2/NDF : 14.7/20

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

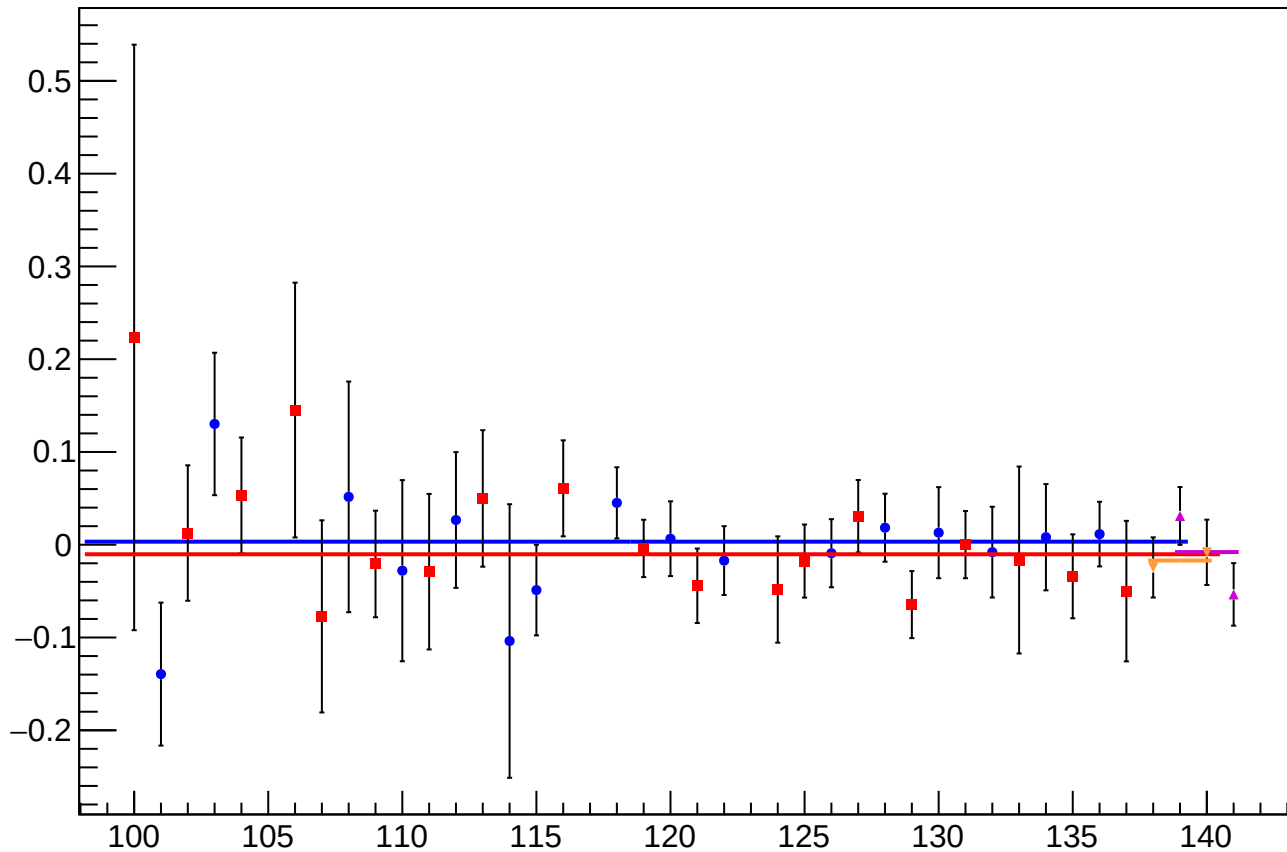
Left In: 0.003+/-0.000 χ^2/NDF : 35626.7/1

+ sign 0.001+/-0.000 χ^2/NDF : 7635046.0/17

All: 0.001+/-0.000 χ^2/NDF : 15865665.2/38

- sign 0.001+/-0.000 χ^2/NDF : 8123559.7/20

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

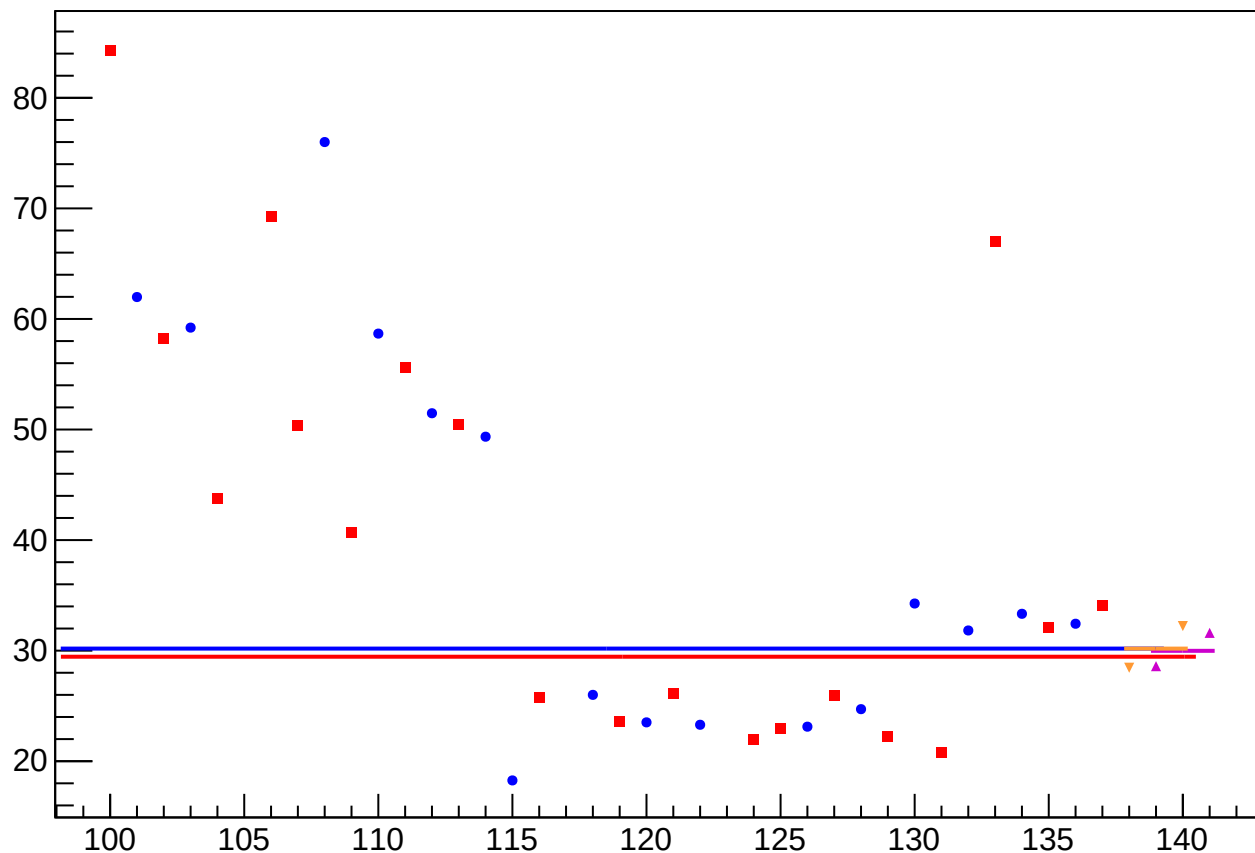
Left In: -0.008 ± 0.023 χ^2/NDF : 3.4/1

+ sign -0.001 ± 0.011 χ^2/NDF : 10.8/17

All: -0.006 ± 0.008 χ^2/NDF : 25.8/38

- sign -0.010 ± 0.010 χ^2/NDF : 14.6/20

asym_sam_15_26_dd_eigen_dit_vs_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

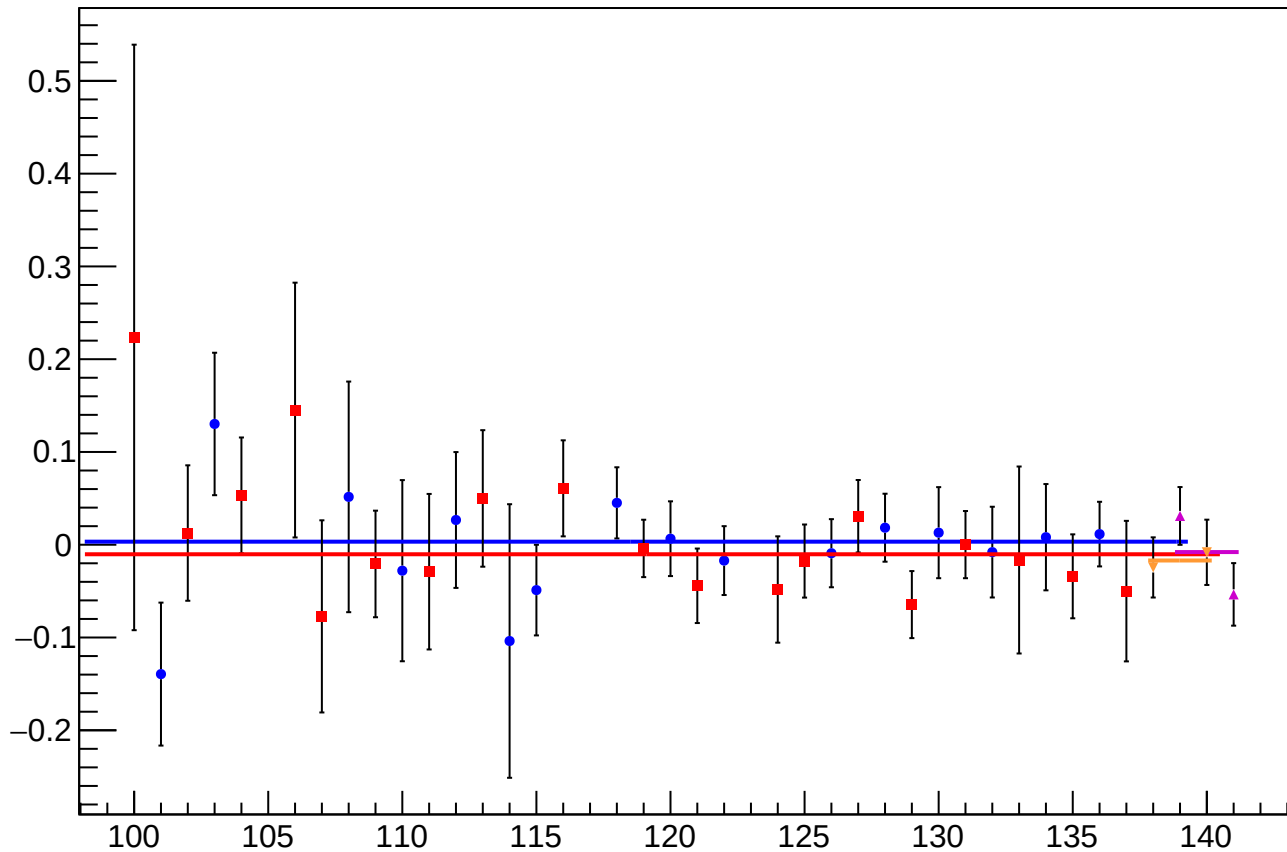
Left In: 29.984 $\pm$ 0.016 χ^2 /NDF:8624.0/1

+ sign 30.186 $\pm$ 0.008 χ^2 /NDF: 1699591.3/17

All: 29.863 $\pm$ 0.005 χ^2 /NDF: 3561090.7/38

- sign 29.563 $\pm$ 0.007 χ^2 /NDF: 1858113.0/20

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

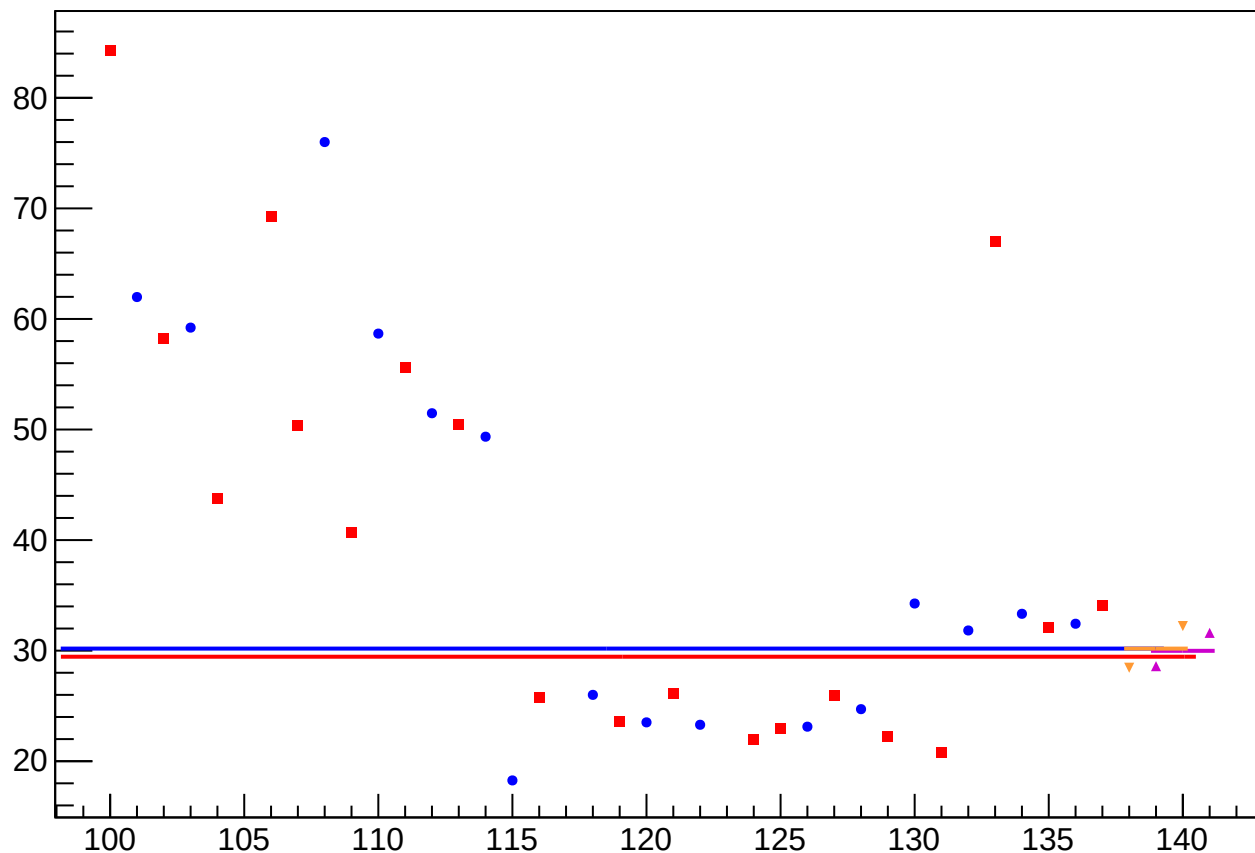
Left In: -0.008 ± 0.023 χ^2/NDF : 3.4/1

+ sign -0.001 ± 0.011 χ^2/NDF : 10.8/17

All: -0.006 ± 0.008 χ^2/NDF : 25.8/38

- sign -0.010 ± 0.010 χ^2/NDF : 14.6/20

asym_sam_15_26_dd_eigen_dit_vs_eigen_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

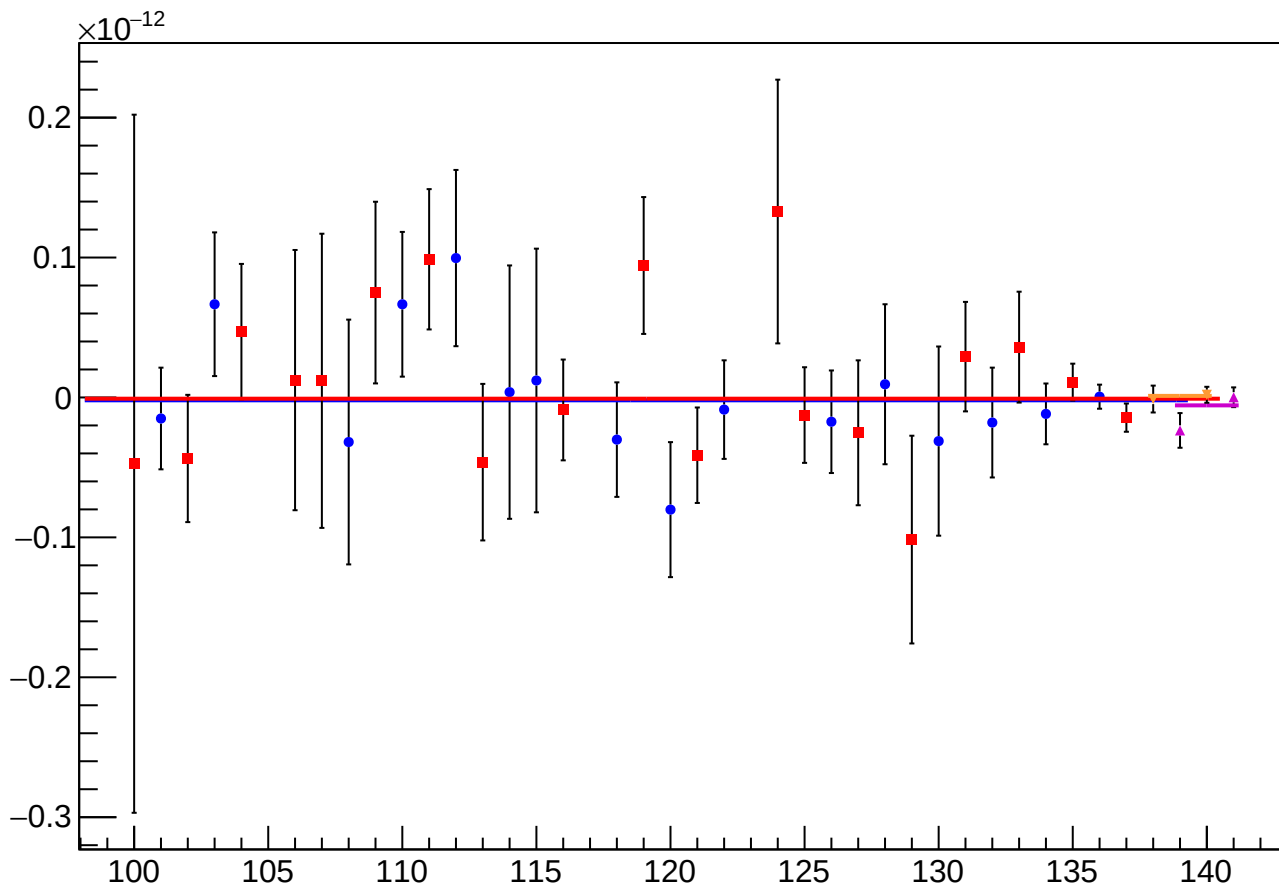
Left In: 29.984+/-0.016 χ^2/NDF :8624.0/1

+ sign 30.186+/-0.008 χ^2/NDF : 1699591.3/17

All: 29.863+/-0.005 χ^2/NDF : 3561090.7/38

- sign 29.563+/-0.007 χ^2/NDF : 1858113.0/20

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

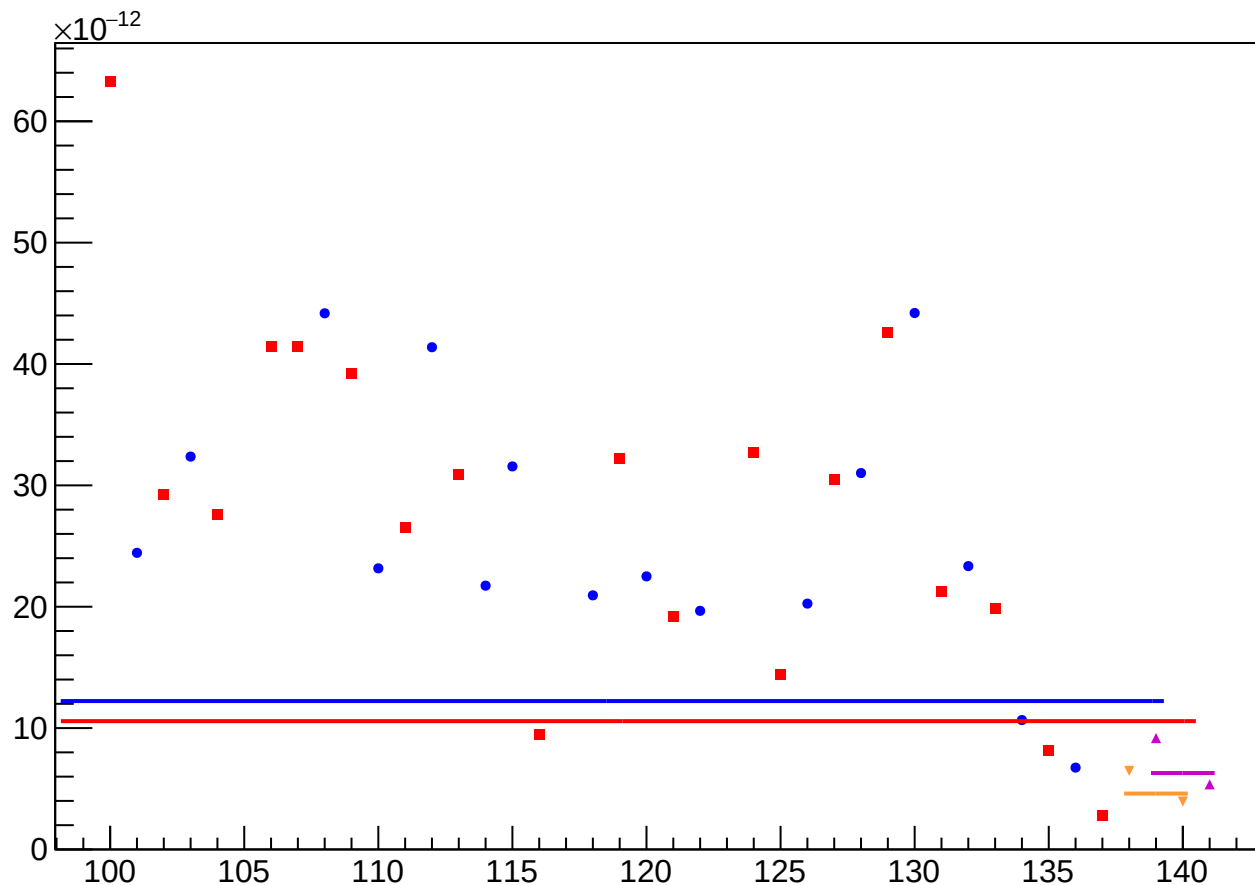
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:2.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.6/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.4/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/20

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

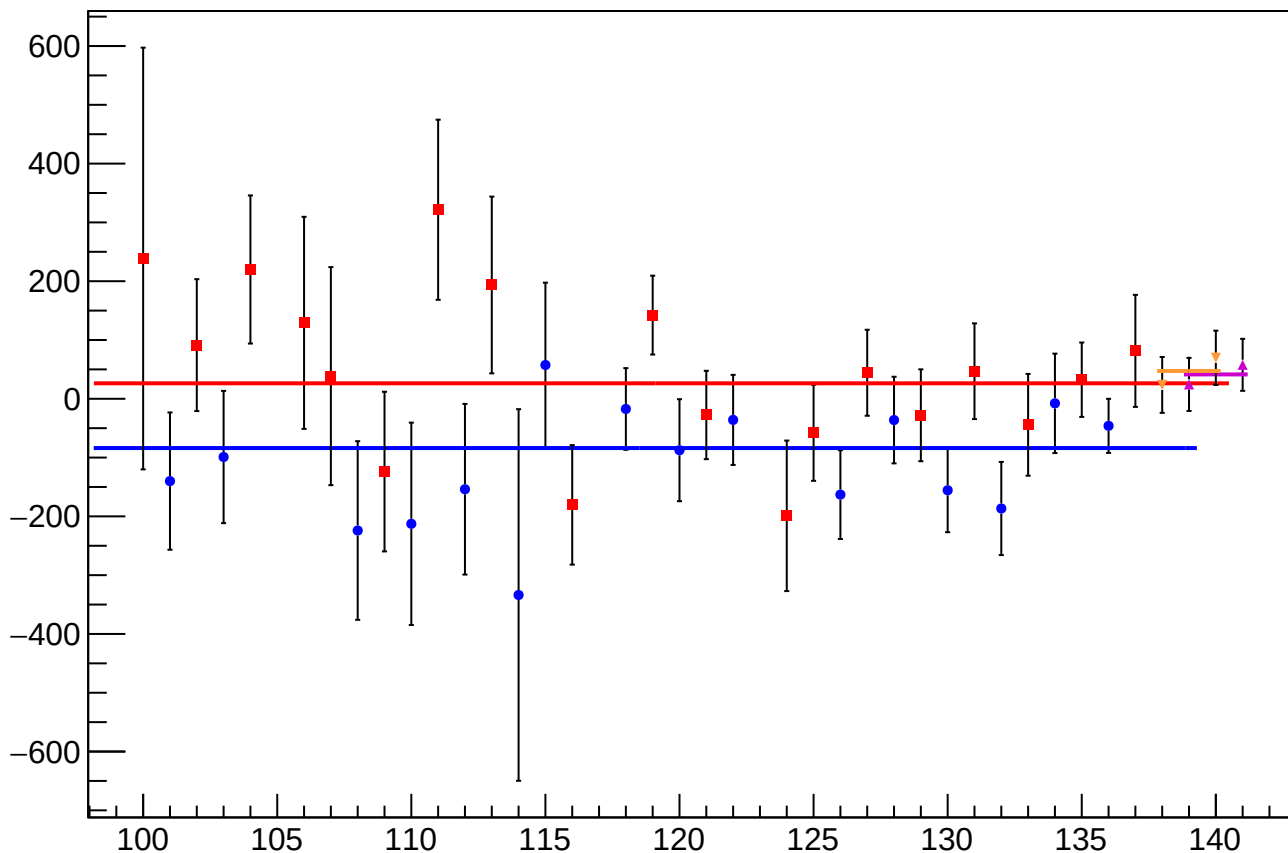
Left In: 0.000+/-0.000 χ^2/NDF : 142906.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 5186972.8/17

All: 0.000+/-0.000 χ^2/NDF : 10607739.1/38

- sign 0.000+/-0.000 χ^2/NDF : 5359256.5/20

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 47.319 ± 33.102 χ^2/NDF : 0.5/1

Right Out: 26.301 ± 22.067 χ^2/NDF : 23.0/18

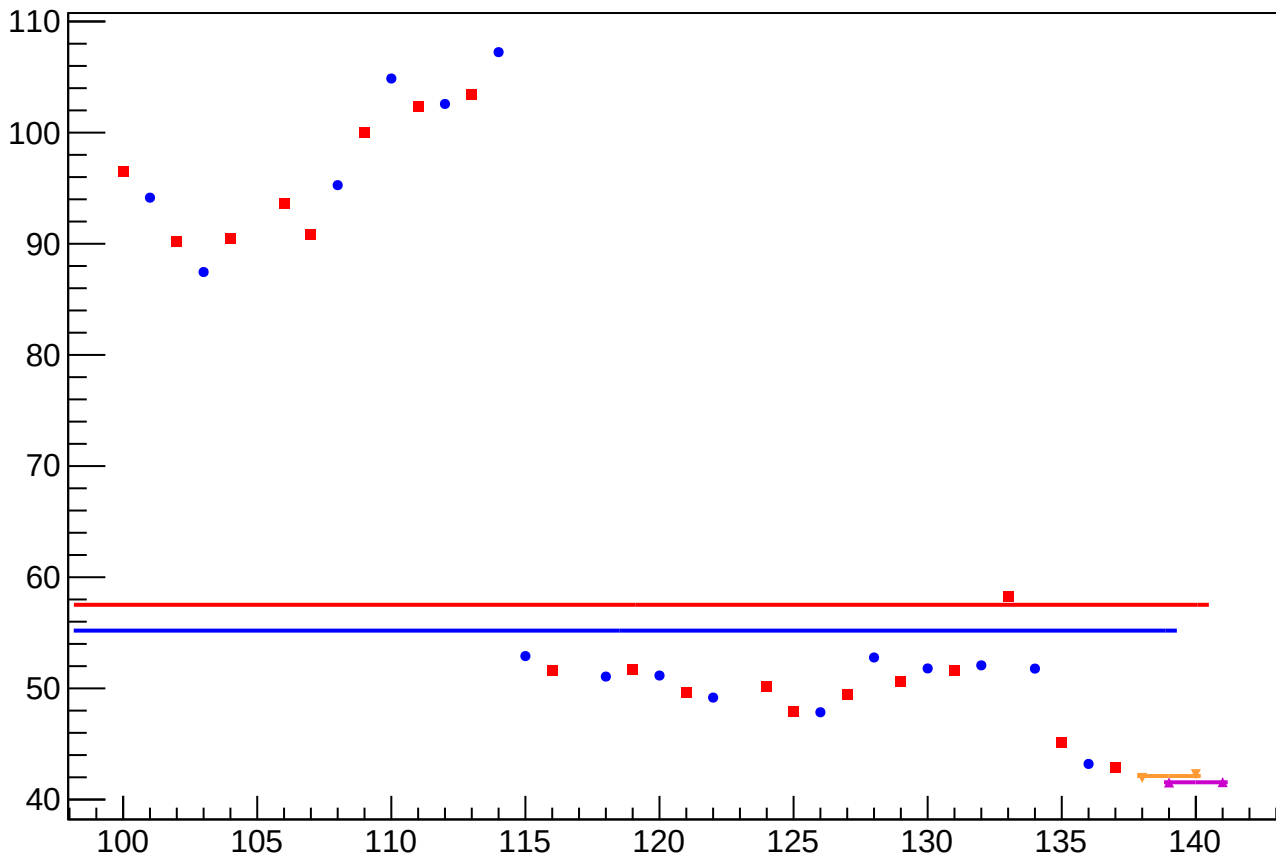
Left In: 41.459 ± 31.601 χ^2/NDF : 0.3/1

+ sign -45.069 ± 17.992 χ^2/NDF : 22.1/17

All: -7.113 ± 12.758 χ^2/NDF : 54.4/38

- sign 31.270 ± 18.092 χ^2/NDF : 23.4/20

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.1/15

Left Out: 42.113 $\pm$ 0.023 χ^2 /NDF: 52.6/1

Right Out: 57.519 $\pm$ 0.016 χ^2 /NDF: 1281793.1/18

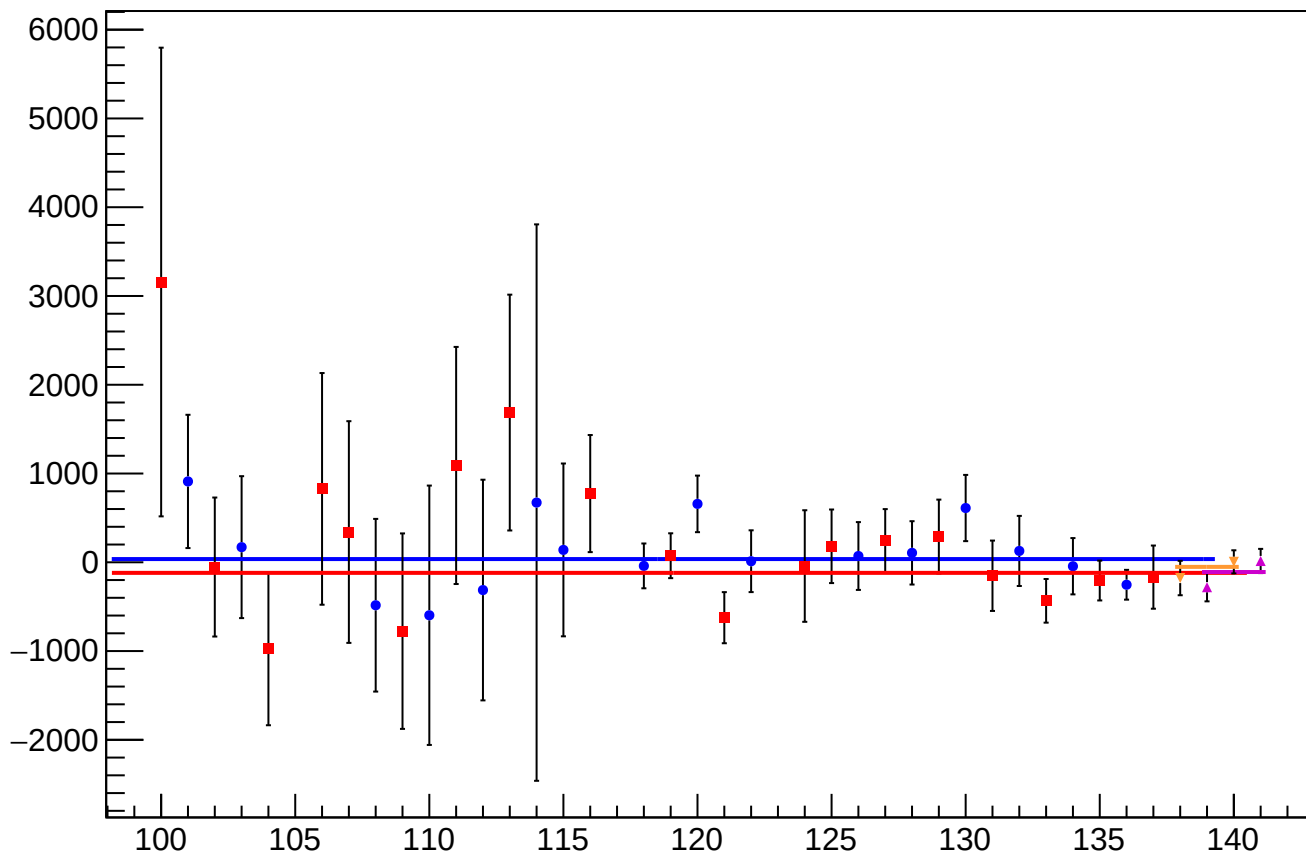
Left In: 41.551 $\pm$ 0.022 χ^2 /NDF: 0.4/1

+ sign 51.332 $\pm$ 0.013 χ^2 /NDF: 1372809.3/17

All: 51.806 $\pm$ 0.009 χ^2 /NDF: 3000659.1/38

- sign 52.285 $\pm$ 0.013 χ^2 /NDF: 1625059.7/20

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -51.662 ± 108.089 χ^2/NDF : 0.6/1

Right Out: -119.166 ± 95.833 χ^2/NDF : 16.0/18

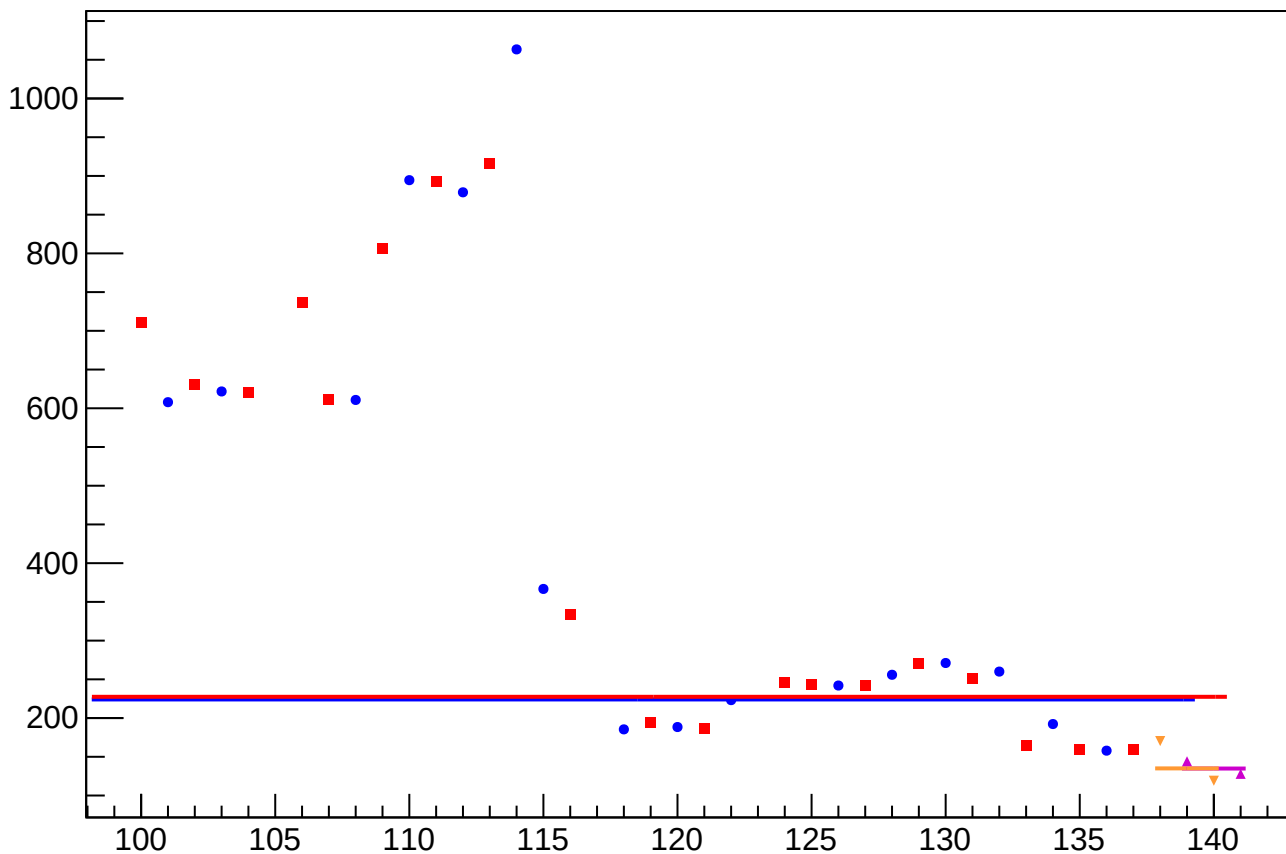
Left In: -109.626 ± 103.683 χ^2/NDF : 2.0/1

+ sign -1.362 ± 70.741 χ^2/NDF : 12.4/17

All: -58.360 ± 49.892 χ^2/NDF : 31.7/38

- sign -114.771 ± 70.376 χ^2/NDF : 18.0/20

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF : 2968054.7/15

Left Out: 135.011+/-0.076 χ^2/NDF : 96170.7/1

Right Out: 227.451+/-0.068 χ^2/NDF : 3640634.3/18

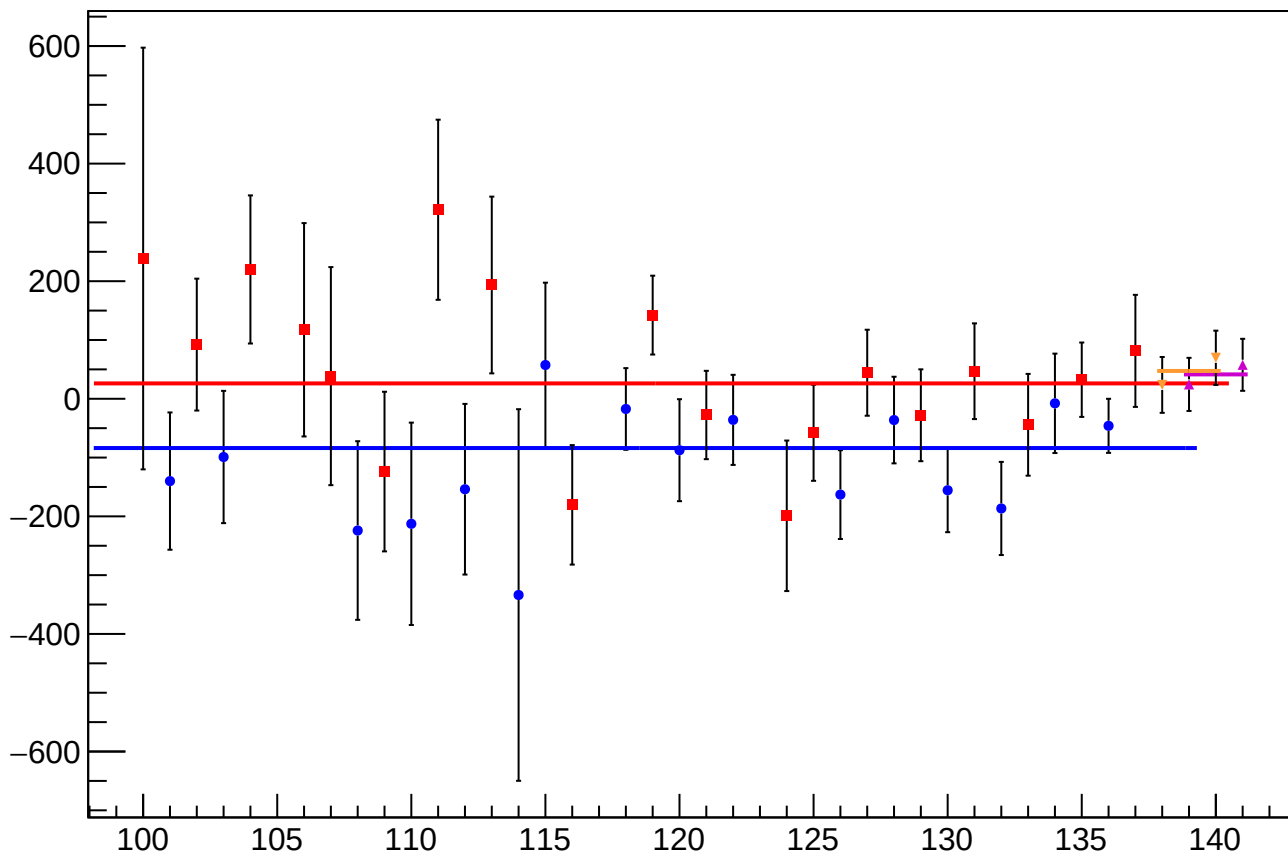
Left In: 134.829+/-0.073 χ^2/NDF : 11900.7/1

+ sign 185.907+/-0.050 χ^2/NDF : 3839909.8/17

All: 185.340+/-0.035 χ^2/NDF : 8353405.7/38

- sign 184.778+/-0.050 χ^2/NDF : 4513240.2/20

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 47.321 ± 33.102 χ^2/NDF : 0.5/1

Right Out: 26.142 ± 22.069 χ^2/NDF : 22.9/18

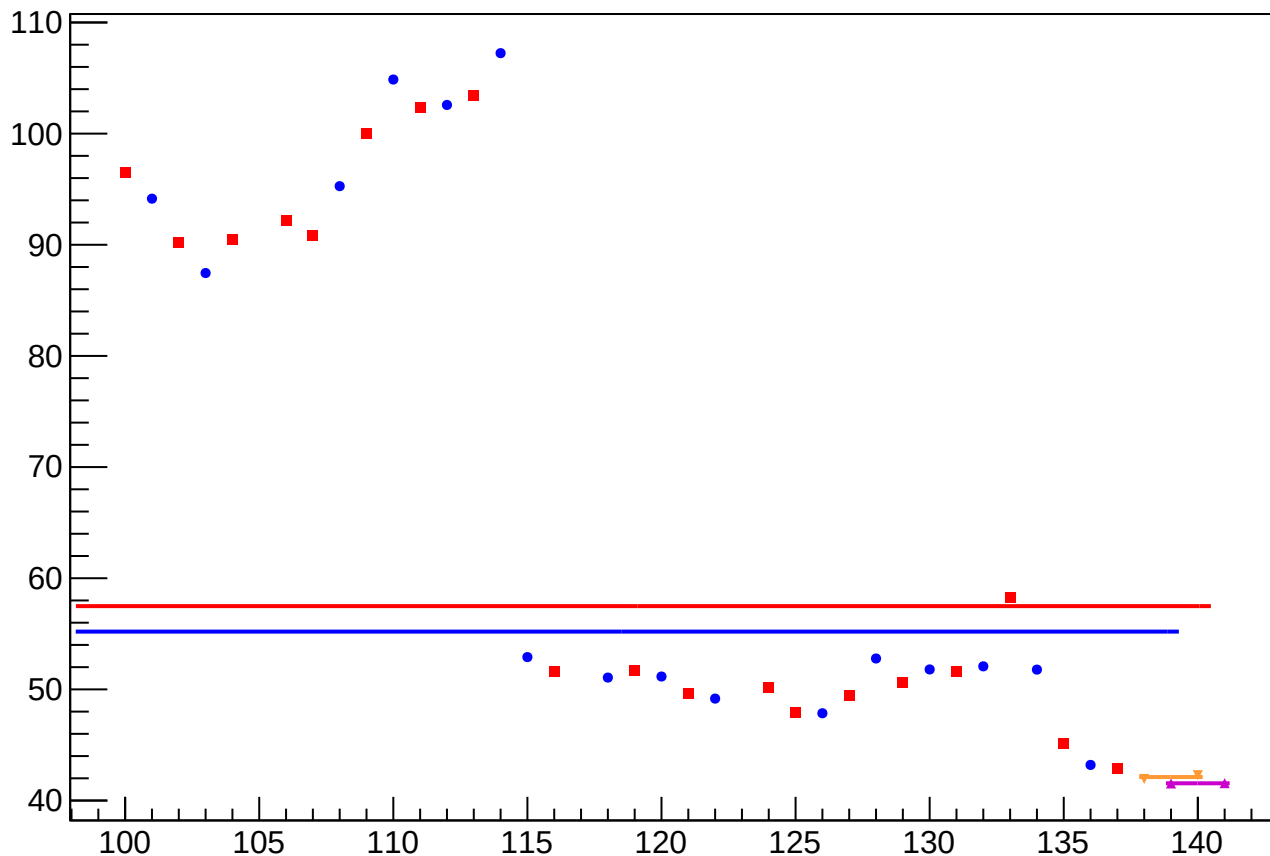
Left In: 41.466 ± 31.601 χ^2/NDF : 0.3/1

+ sign -45.067 ± 17.992 χ^2/NDF : 22.1/17

All: -7.166 ± 12.758 χ^2/NDF : 54.4/38

- sign 31.166 ± 18.094 χ^2/NDF : 23.3/20

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

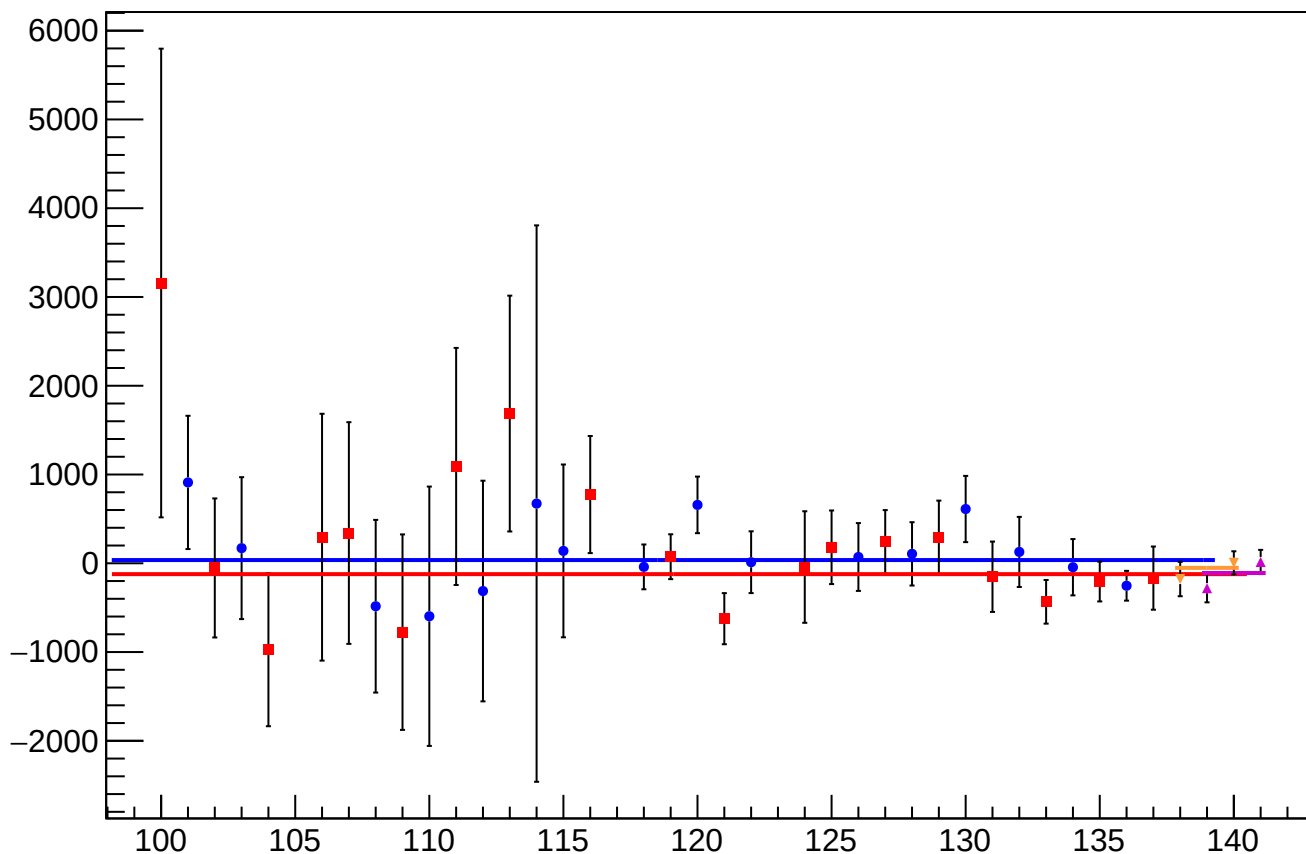
Left In: 41.551 $\pm$ 0.022 χ^2 /NDF: 0.4/1

+ sign 51.332 $\pm$ 0.013 χ^2 /NDF: 1372809.6/17

All: 51.796 $\pm$ 0.009 χ^2 /NDF: 2991875.6/38

- sign 52.265 $\pm$ 0.013 χ^2 /NDF: 1616392.5/20

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -51.660 ± 108.089 χ^2/NDF : 0.6/1

Right Out: -122.289 ± 95.865 χ^2/NDF : 15.6/18

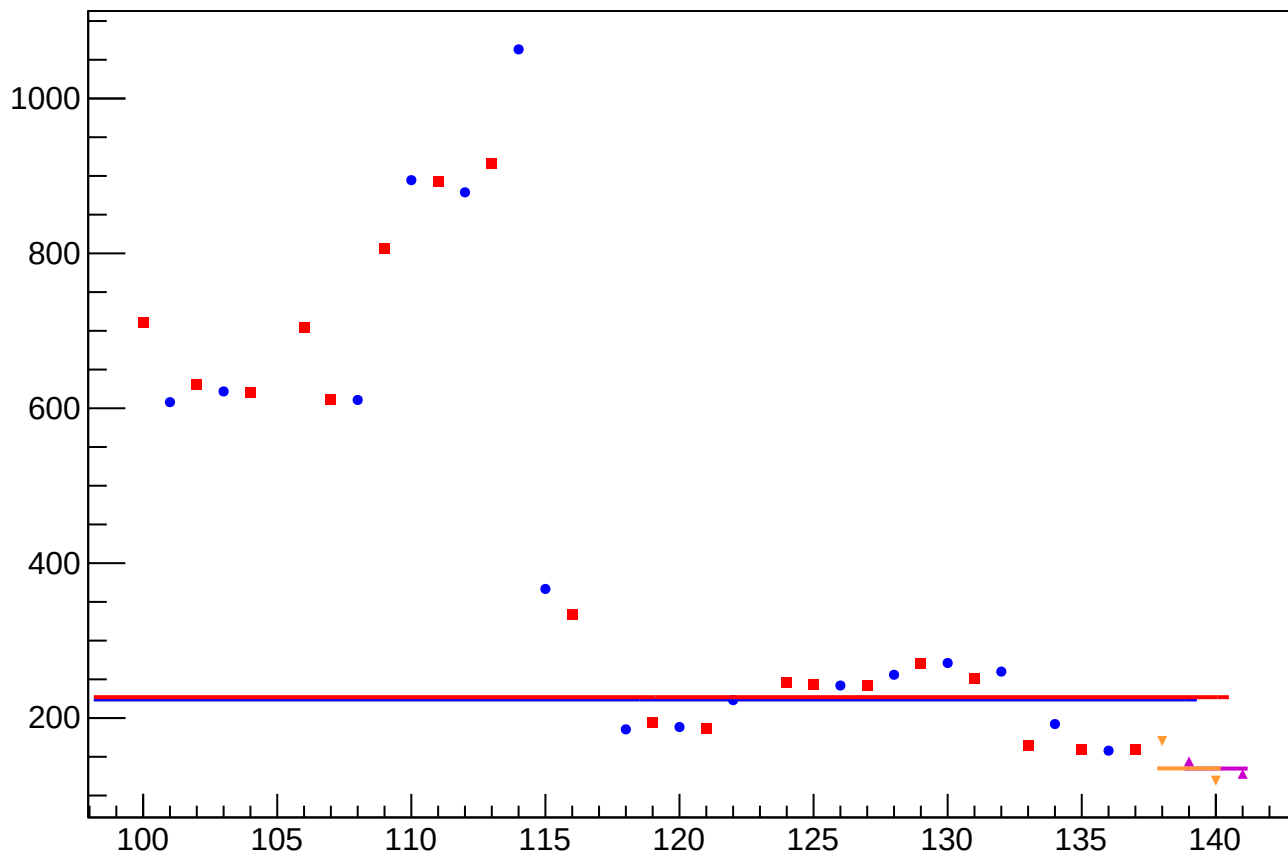
Left In: -109.626 ± 103.683 χ^2/NDF : 2.0/1

+ sign -1.361 ± 70.742 χ^2/NDF : 12.4/17

All: -59.195 ± 49.897 χ^2/NDF : 31.3/38

- sign -116.453 ± 70.388 χ^2/NDF : 17.6/20

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042 $\pm$ 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

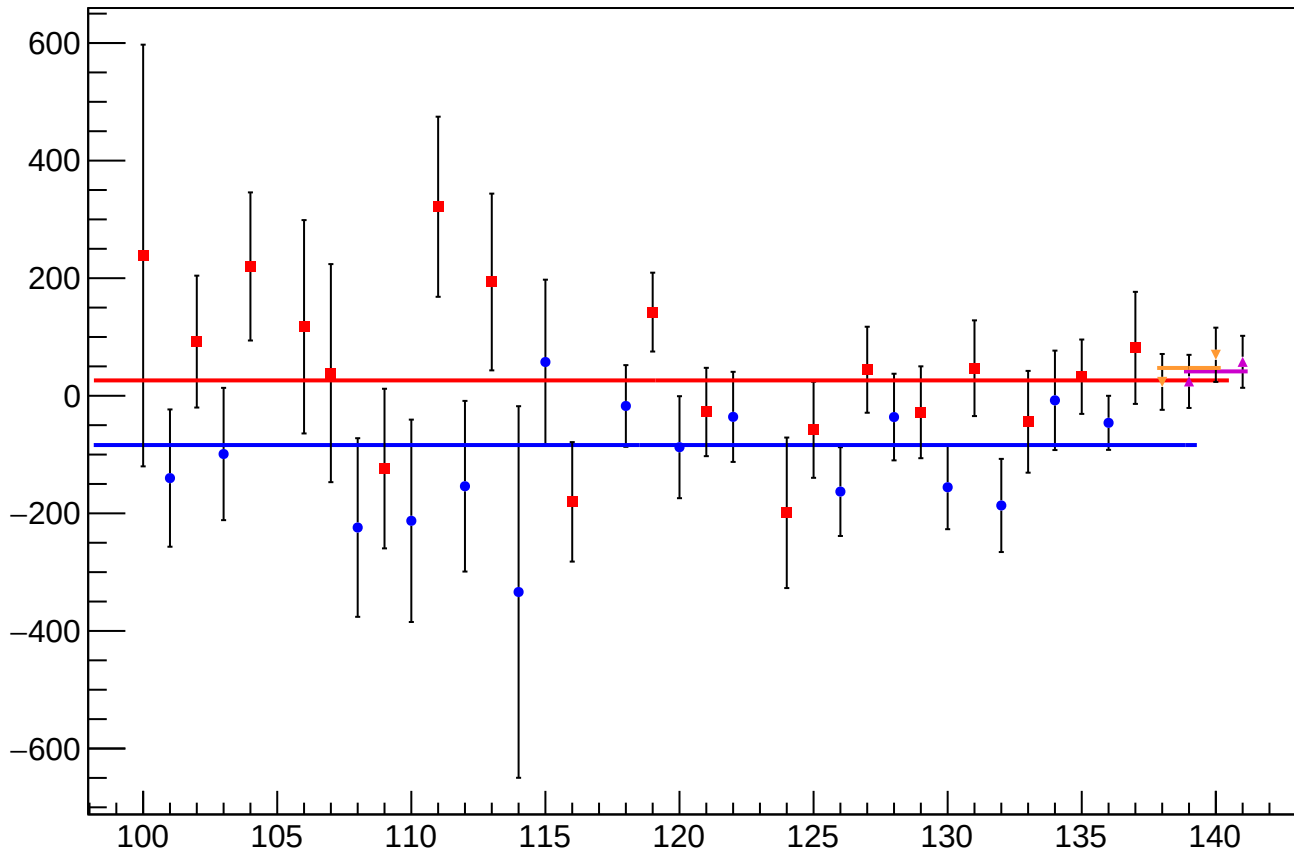
Left In: 134.829 $\pm$ 0.073 χ^2 /NDF:11900.7/1

+ sign 185.907 $\pm$ 0.050 χ^2 /NDF: 3839914.3/17

All: 185.202 $\pm$ 0.035 χ^2 /NDF: 8275711.6/38

- sign 184.505 $\pm$ 0.050 χ^2 /NDF: 4435402.5/20

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 47.321 ± 33.102 χ^2/NDF : 0.5/1

Right Out: 26.142 ± 22.069 χ^2/NDF : 22.9/18

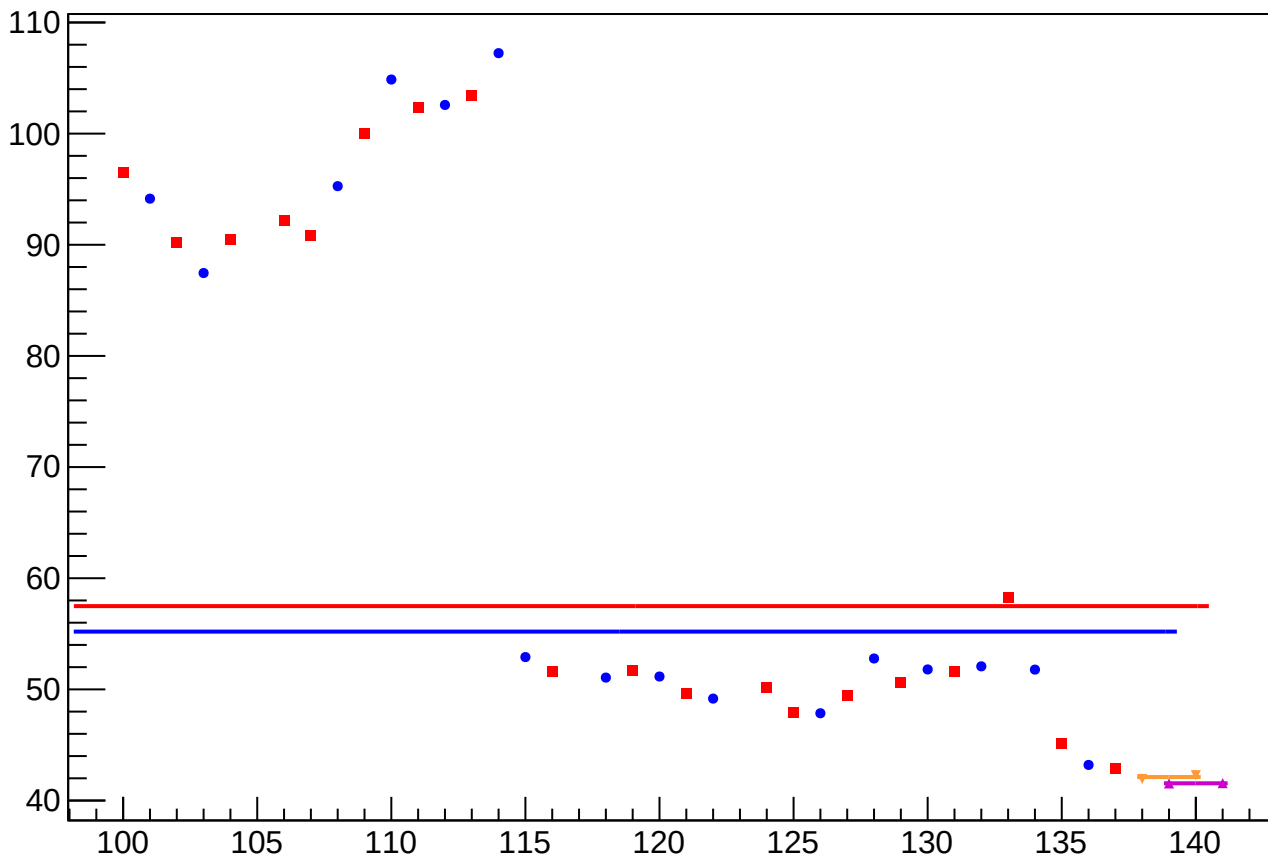
Left In: 41.466 ± 31.601 χ^2/NDF : 0.3/1

+ sign -45.067 ± 17.992 χ^2/NDF : 22.1/17

All: -7.166 ± 12.758 χ^2/NDF : 54.4/38

- sign 31.166 ± 18.094 χ^2/NDF : 23.3/20

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 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

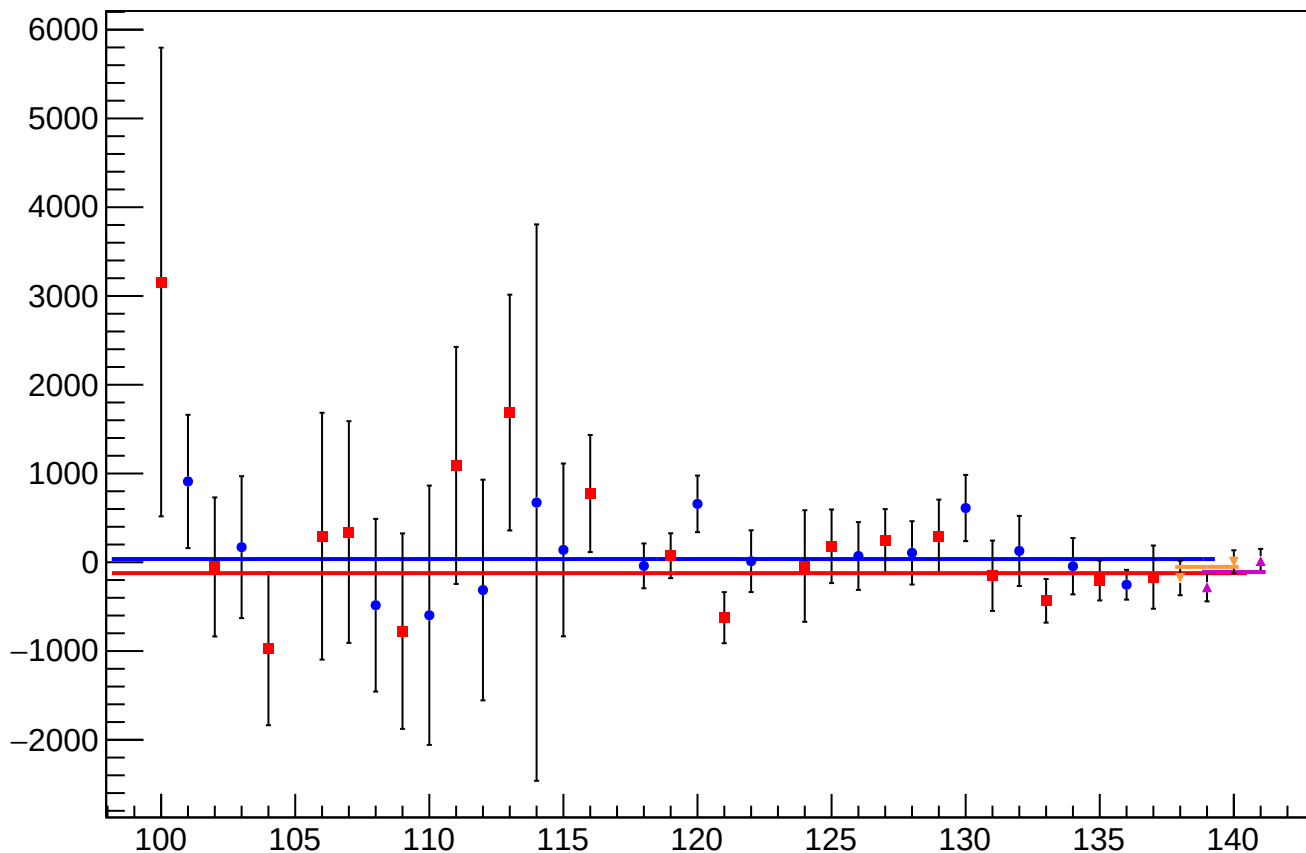
Left In: 41.551 $\pm$ 0.022 χ^2 /NDF: 0.4/1

+ sign 51.332 $\pm$ 0.013 χ^2 /NDF: 1372809.6/17

All: 51.796 $\pm$ 0.009 χ^2 /NDF: 2991875.6/38

- sign 52.265 $\pm$ 0.013 χ^2 /NDF: 1616392.5/20

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

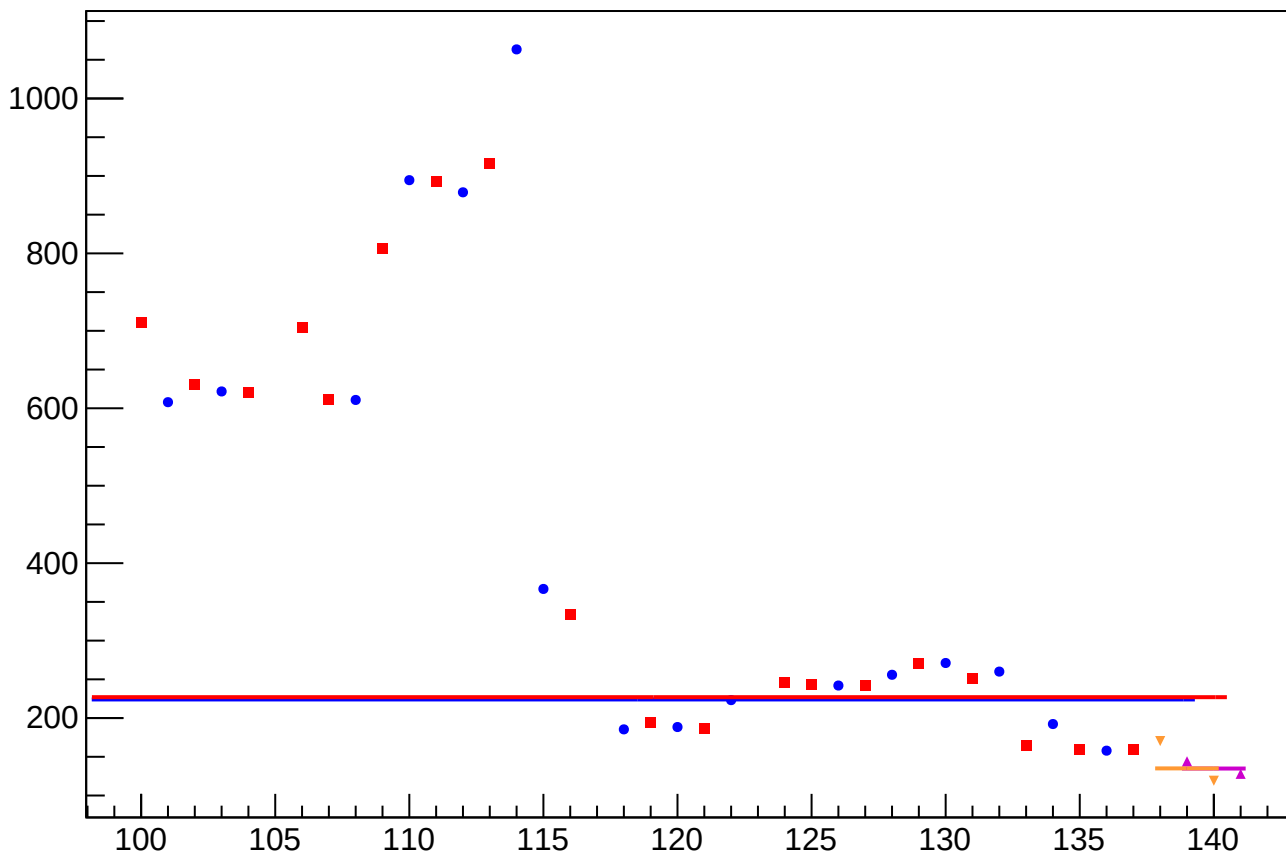
Left In: -109.626 ± 103.683 χ^2/NDF : 2.0/1

+ sign -1.361 ± 70.742 χ^2/NDF : 12.4/17

All: -59.195 ± 49.897 χ^2/NDF : 31.3/38

- sign -116.453 ± 70.388 χ^2/NDF : 17.6/20

asym_sam_37_26_dd_eigen_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

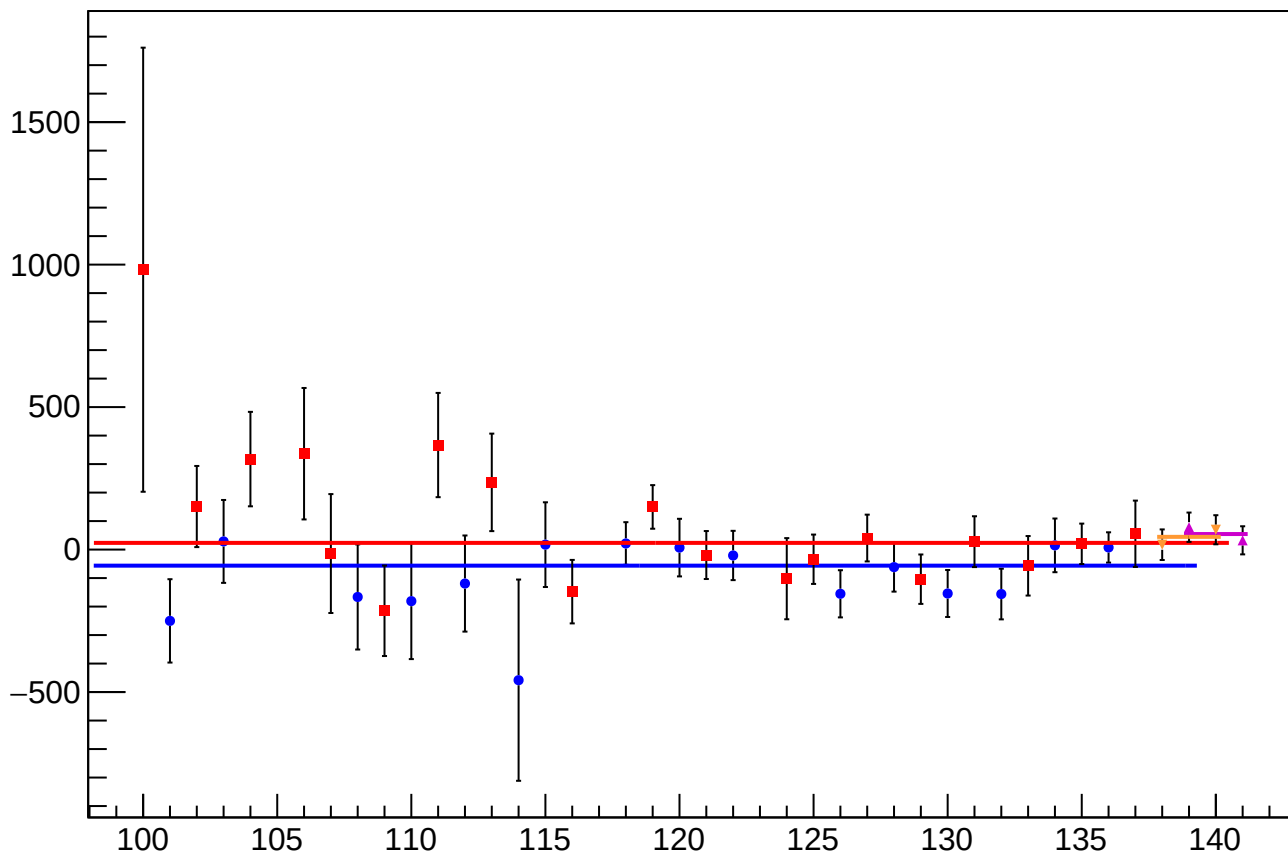
Left In: 134.829 $\pm$ 0.073 χ^2 /NDF:11900.7/1

+ sign 185.907 $\pm$ 0.050 χ^2 /NDF: 3839914.3/17

All: 185.202 $\pm$ 0.035 χ^2 /NDF: 8275711.6/38

- sign 184.505 $\pm$ 0.050 χ^2 /NDF: 4435402.5/20

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414 ± 24.489 χ^2/NDF : 12.3/15

Left Out: 44.650 ± 36.988 χ^2/NDF : 0.5/1

Right Out: 23.495 ± 25.161 χ^2/NDF : 24.1/18

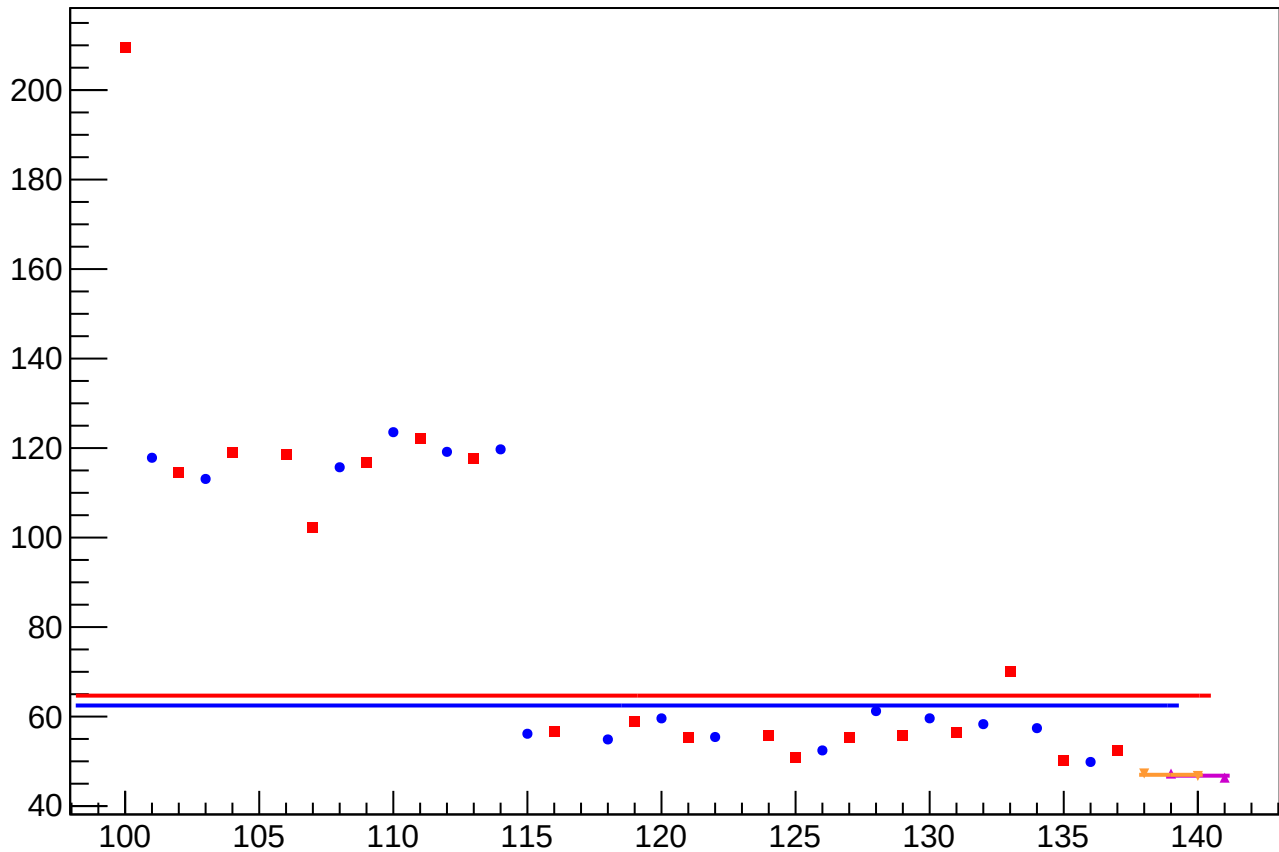
Left In: 54.533 ± 35.595 χ^2/NDF : 0.4/1

+ sign -25.614 ± 20.419 χ^2/NDF : 17.9/17

All: 3.927 ± 14.483 χ^2/NDF : 47.2/38

- sign 33.836 ± 20.546 χ^2/NDF : 25.0/20

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF : 1348224.3/15

Left Out: 46.991+/-0.026 χ^2/NDF : 114.0/1

Right Out: 64.680+/-0.018 χ^2/NDF : 1590446.9/18

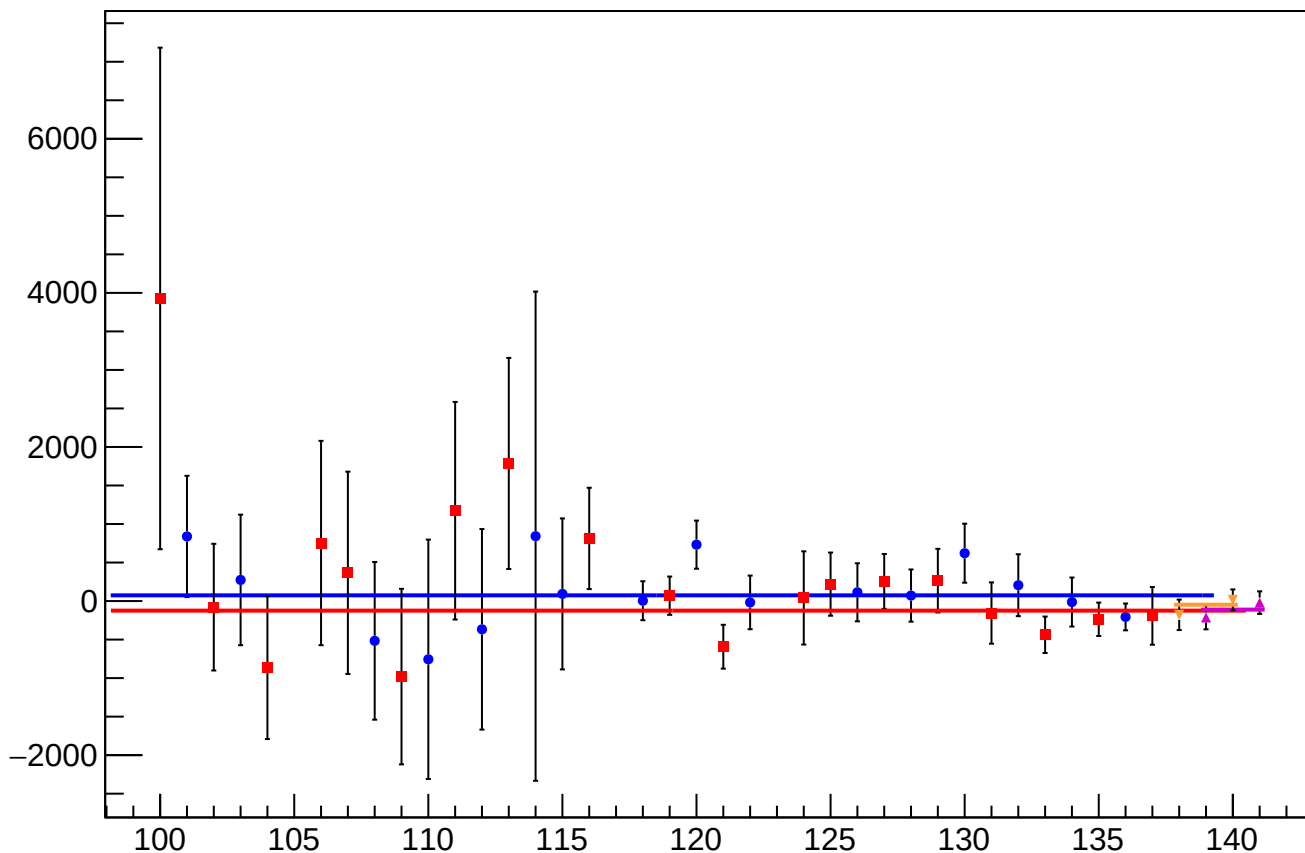
Left In: 46.791+/-0.025 χ^2/NDF : 328.4/1

+ sign 57.756+/-0.014 χ^2/NDF : 1591994.0/17

All: 58.235+/-0.010 χ^2/NDF : 3521836.9/38

- sign 58.720+/-0.015 χ^2/NDF : 1927625.0/20

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF : 11.2/15

Left Out: -47.492+/-112.151 χ^2/NDF : 0.7/1

Right Out: -124.201+/-94.665 χ^2/NDF : 16.3/18

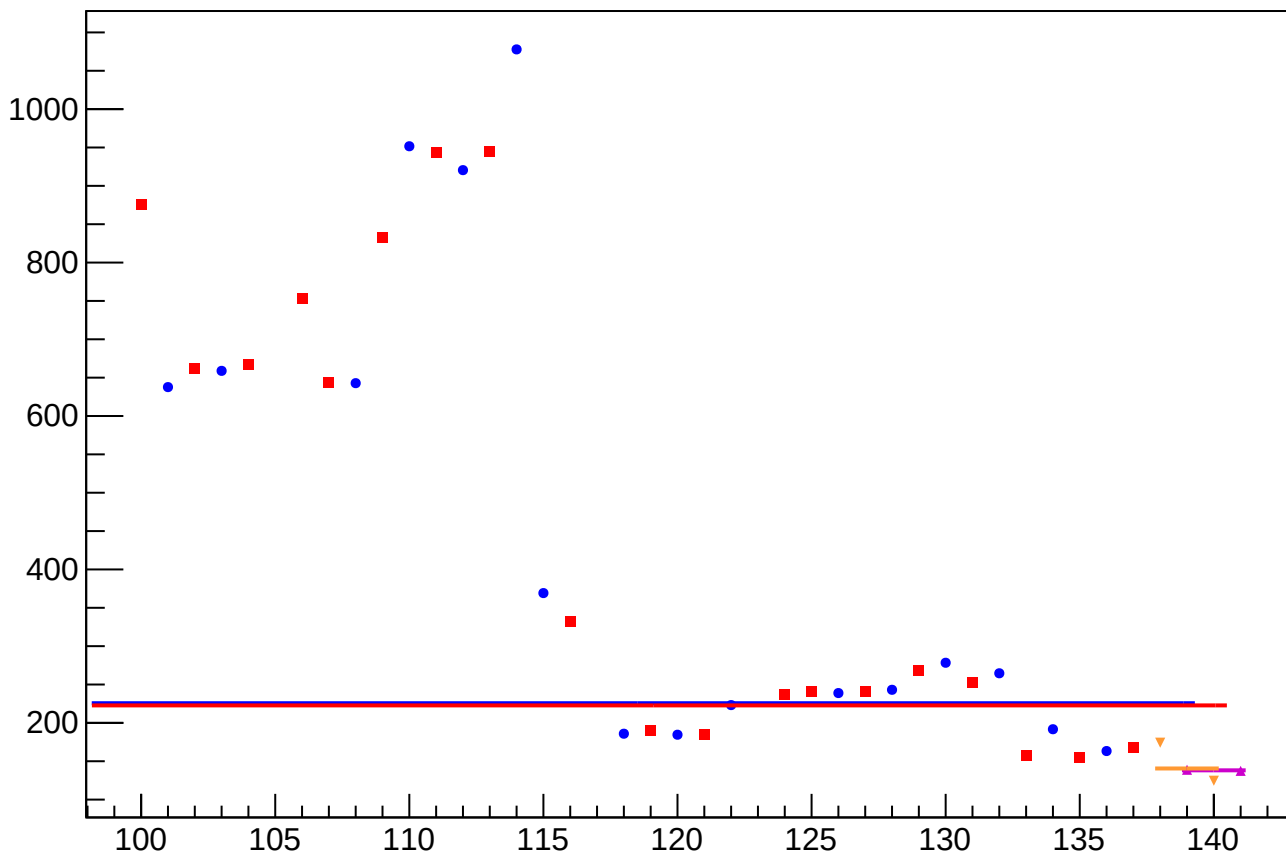
Left In: -111.011+/-106.229 χ^2/NDF : 0.8/1

+ sign 23.733+/-72.263 χ^2/NDF : 12.5/17

All: -48.893+/-50.527 χ^2/NDF : 31.7/38

- sign -118.363+/-70.675 χ^2/NDF : 17.2/20

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

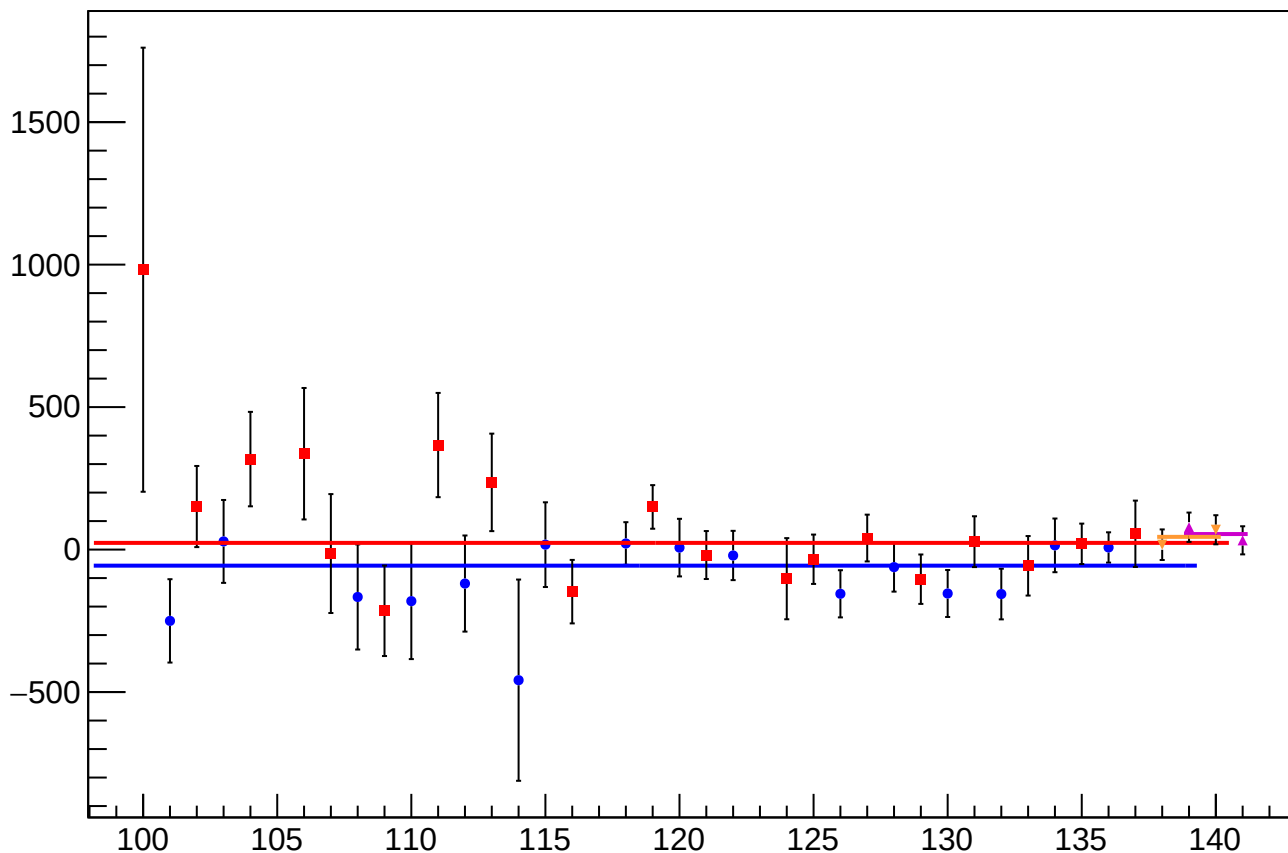
Left In: 138.143 $\pm$ 0.075 χ^2 /NDF:91.0/1

+ sign 190.303 $\pm$ 0.051 χ^2 /NDF: 3784066.7/17

All: 187.756 $\pm$ 0.036 χ^2 /NDF: 8344909.1/38

- sign 185.320 $\pm$ 0.050 χ^2 /NDF: 4555983.4/20

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415 $\pm$ 24.489 χ^2 /NDF: 12.3/15

Left Out: 44.651 $\pm$ 36.988 χ^2 /NDF: 0.5/1

Right Out: 23.498 $\pm$ 25.160 χ^2 /NDF: 24.1/18

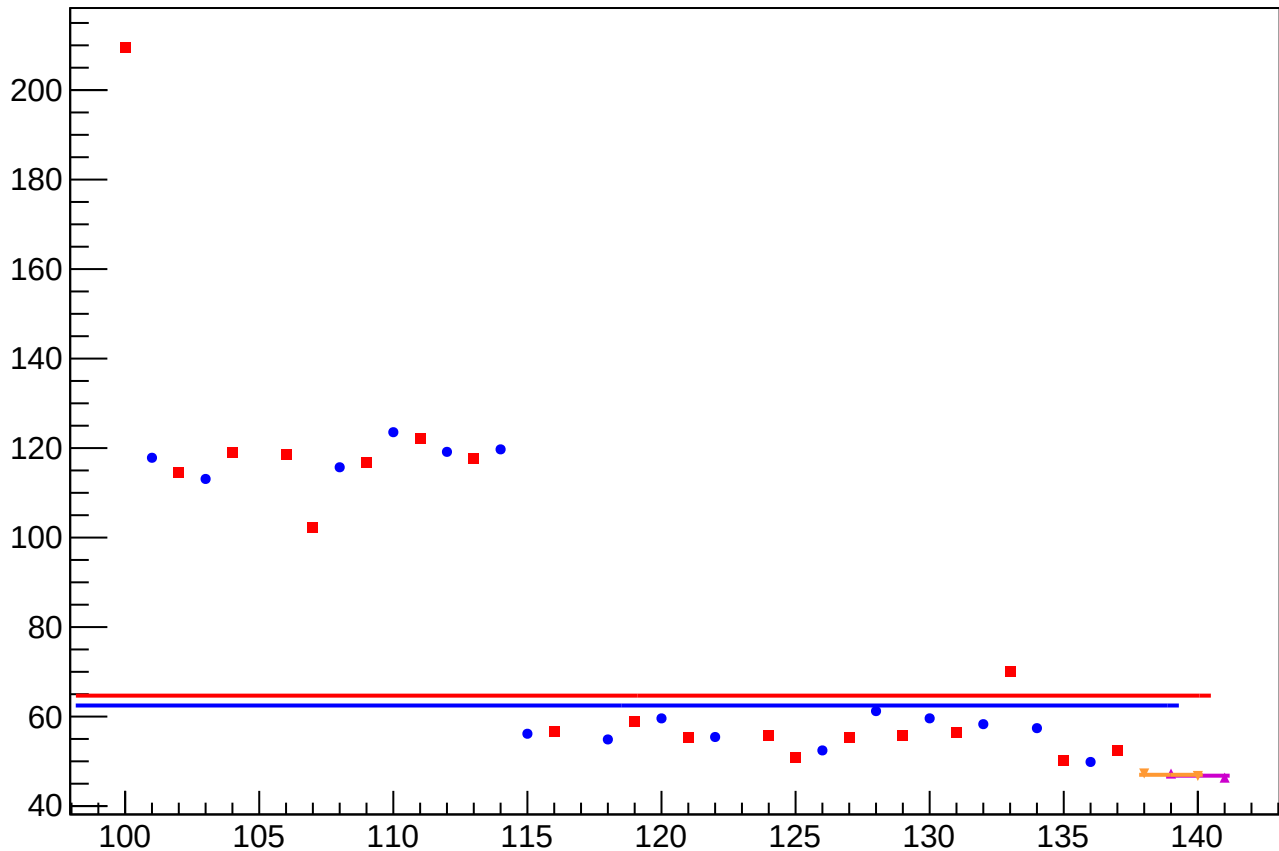
Left In: 54.532 $\pm$ 35.595 χ^2 /NDF: 0.4/1

+ sign -25.615 $\pm$ 20.419 χ^2 /NDF: 17.9/17

All: 3.927 $\pm$ 14.483 χ^2 /NDF: 47.2/38

- sign 33.838 $\pm$ 20.546 χ^2 /NDF: 25.0/20

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474 ± 0.017 $\chi^2/\text{NDF}: 1348204.7/15$

Left Out: 46.991 ± 0.026 $\chi^2/\text{NDF}: 113.8/1$

Right Out: 64.680 ± 0.018 $\chi^2/\text{NDF}: 1590426.1/18$

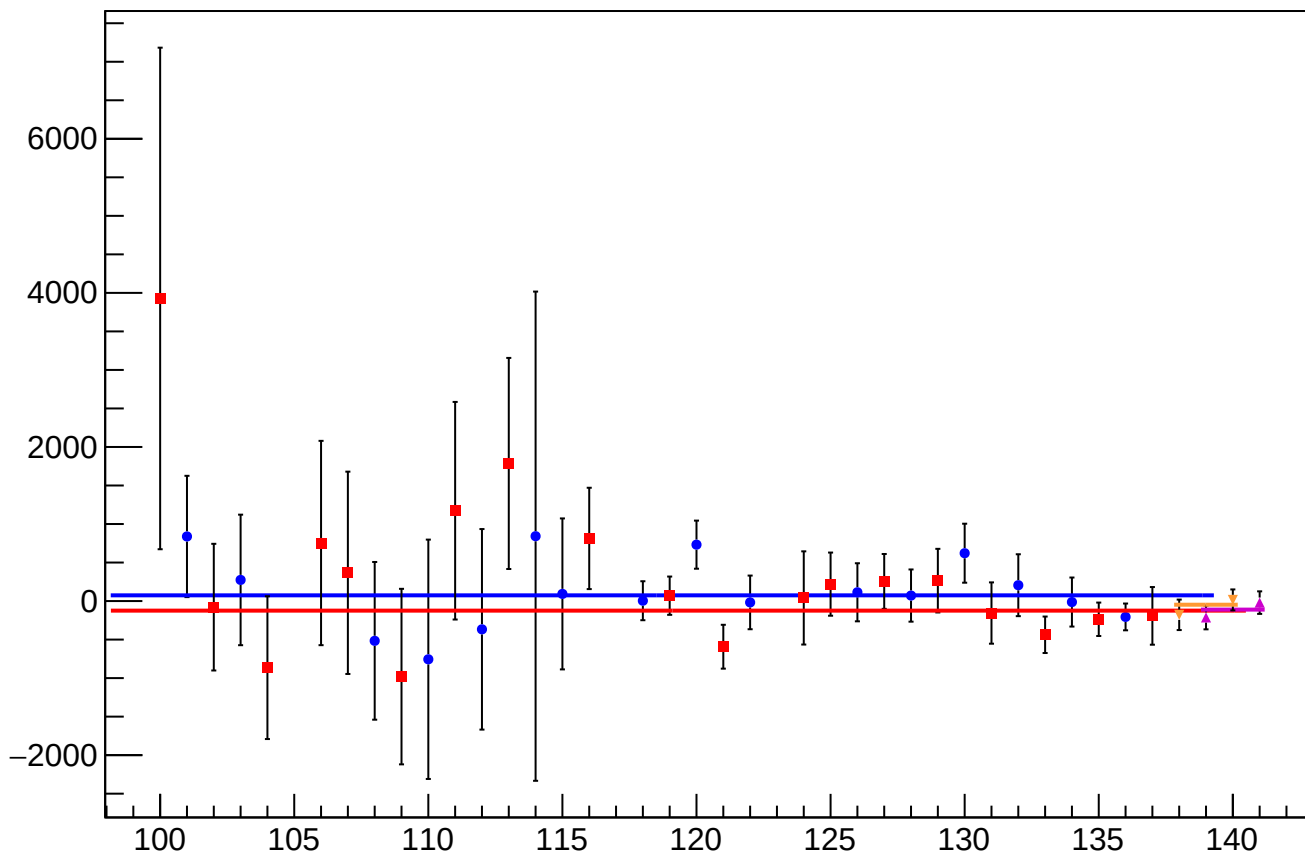
Left In: 46.791 ± 0.025 $\chi^2/\text{NDF}: 327.9/1$

+ sign 57.755 ± 0.014 $\chi^2/\text{NDF}: 1591956.7/17$

All: 58.235 ± 0.010 $\chi^2/\text{NDF}: 3521767.3/38$

- sign 58.720 ± 0.015 $\chi^2/\text{NDF}: 1927592.0/20$

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

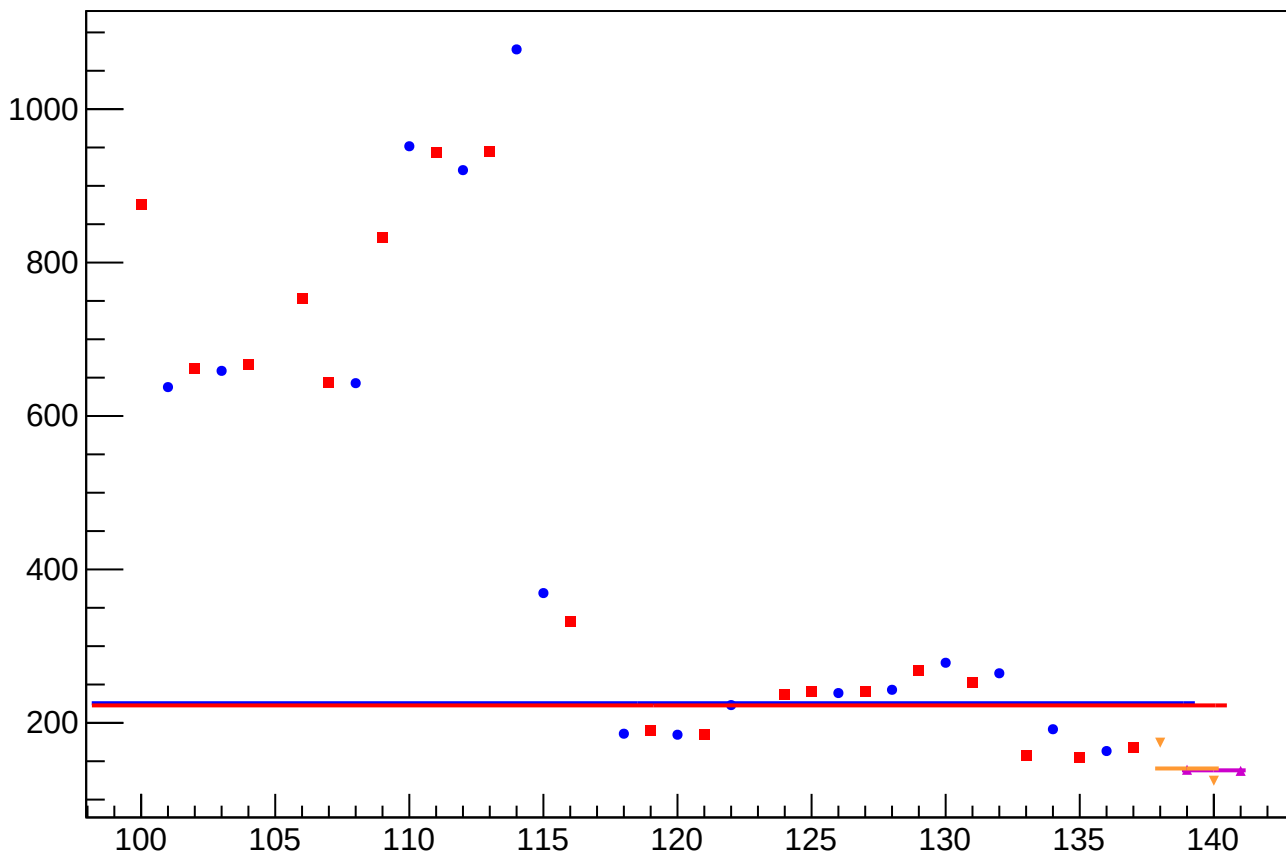
Left In: -111.012+/-106.229 χ^2/NDF : 0.8/1

+ sign 23.735+/-72.263 χ^2/NDF : 12.5/17

All: -48.892+/-50.527 χ^2/NDF : 31.7/38

- sign -118.362+/-70.675 χ^2/NDF : 17.2/20

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

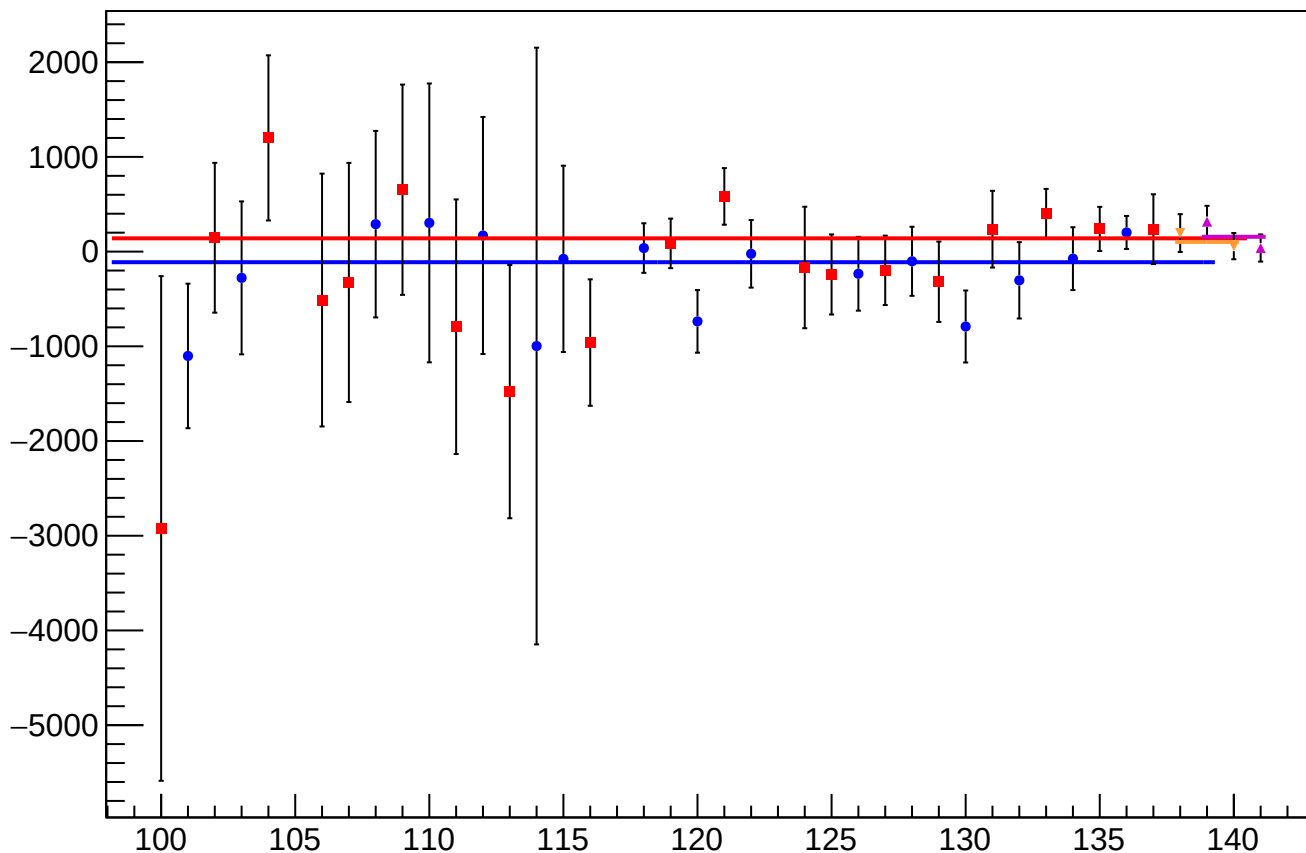
Left In: 138.144 $\pm$ 0.075 χ^2 /NDF:91.0/1

+ sign 190.303 $\pm$ 0.051 χ^2 /NDF: 3784030.7/17

All: 187.757 $\pm$ 0.036 χ^2 /NDF: 8344841.4/38

- sign 185.321 $\pm$ 0.050 χ^2 /NDF: 4555951.8/20

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

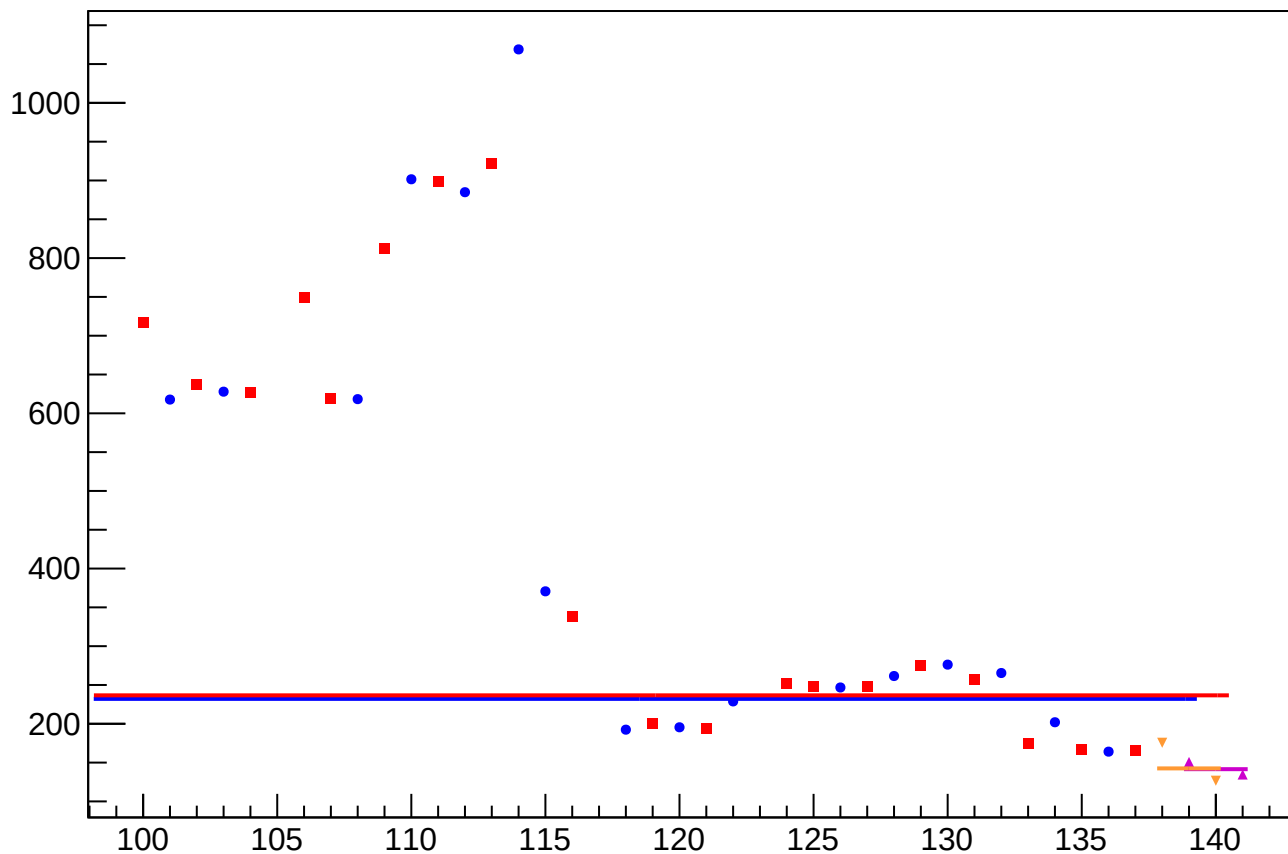
Left In: 156.492+/-108.676 χ^2/NDF : 1.6/1

+ sign -22.229+/-73.611 χ^2/NDF : 15.2/17

All: 63.036+/-51.925 χ^2/NDF : 34.2/38

- sign 147.479+/-73.256 χ^2/NDF : 16.3/20

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107 $\pm$ 0.068 χ^2 /NDF: 2885510.6/15

Left Out: 142.509 $\pm$ 0.080 χ^2 /NDF: 81040.6/1

Right Out: 236.647 $\pm$ 0.070 χ^2 /NDF: 3521033.7/18

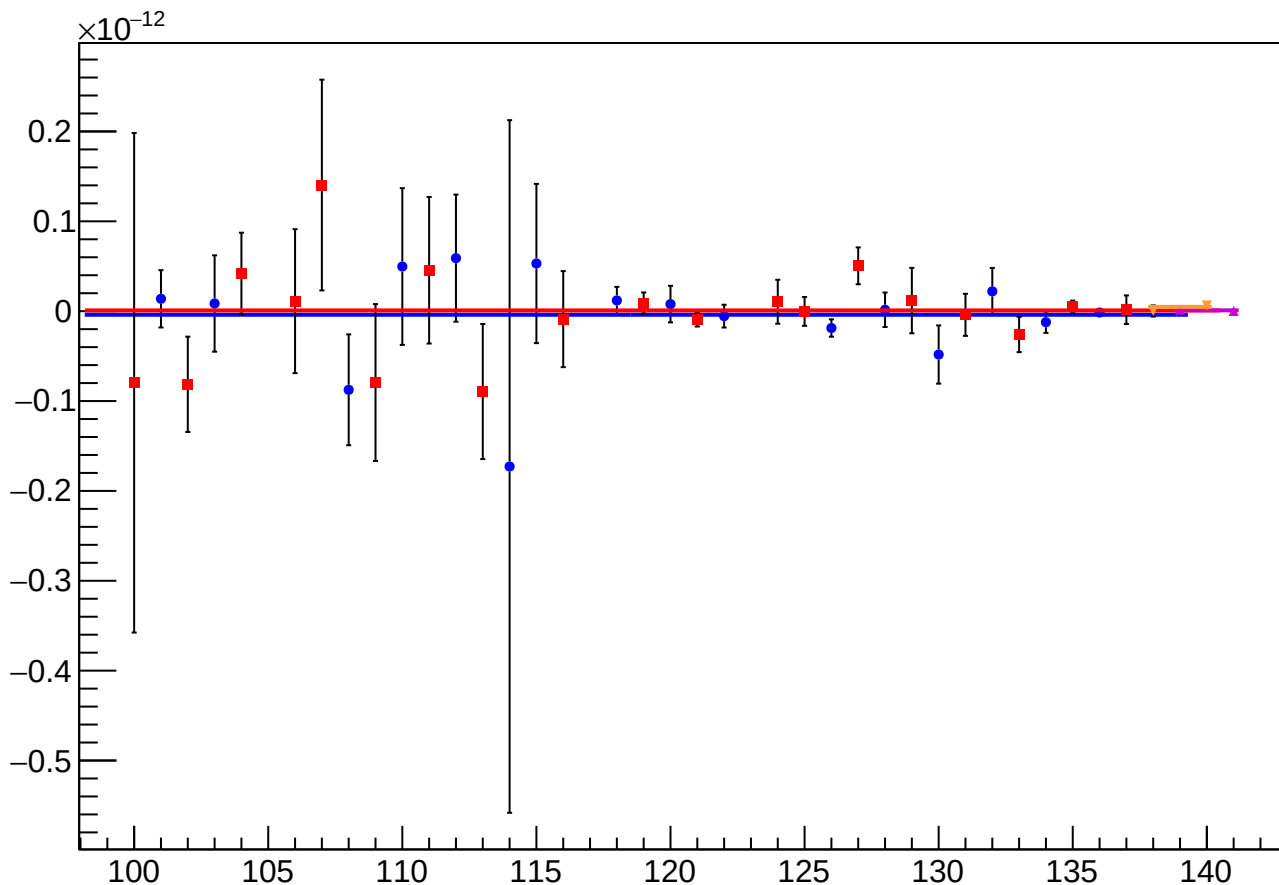
Left In: 141.529 $\pm$ 0.077 χ^2 /NDF: 10820.3/1

+ sign 194.590 $\pm$ 0.052 χ^2 /NDF: 3687737.9/17

All: 194.006 $\pm$ 0.037 χ^2 /NDF: 8055789.9/38

- sign 193.427 $\pm$ 0.052 χ^2 /NDF: 4367801.4/20

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.7/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.1/18

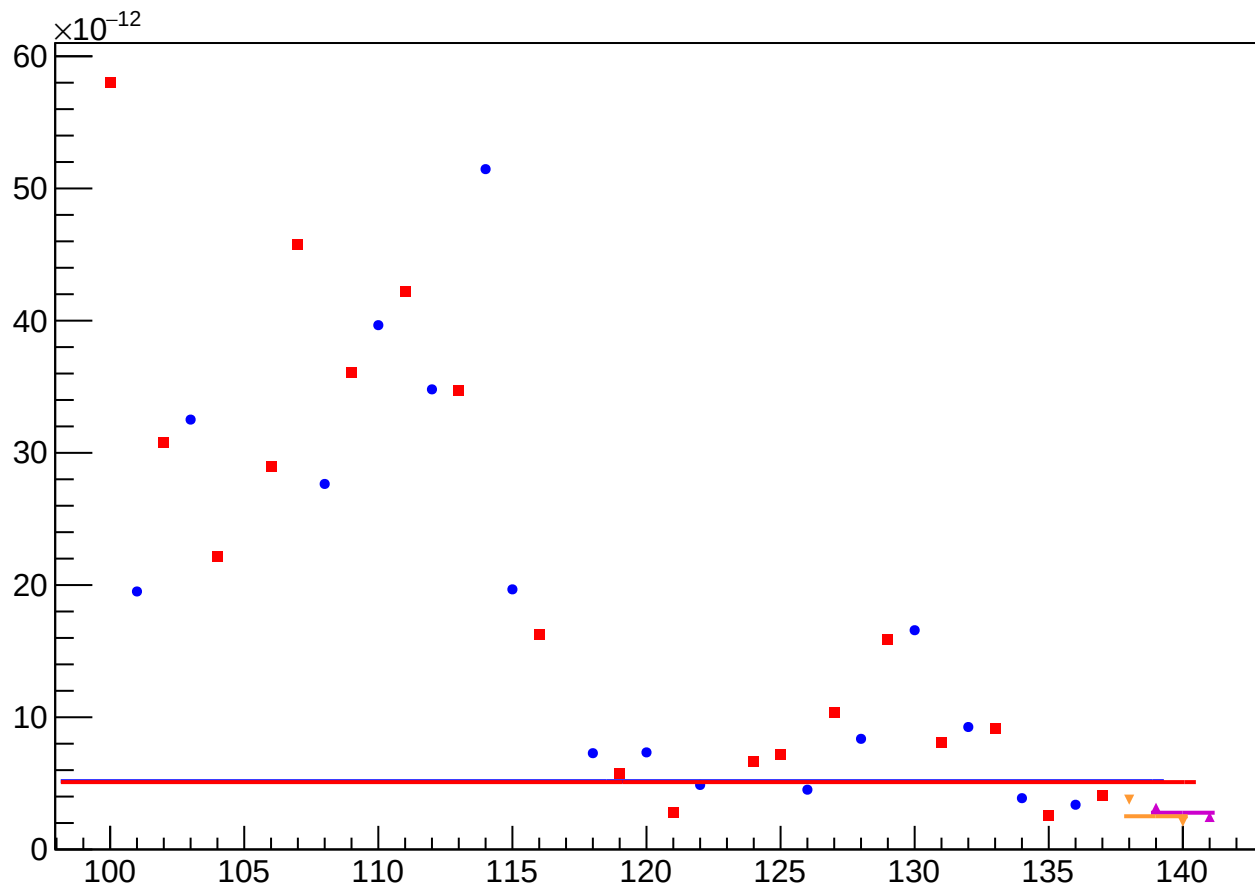
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 15.5/17

All: 0.000 ± 0.000 χ^2/NDF : 33.6/38

- sign 0.000 ± 0.000 χ^2/NDF : 18.1/20

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

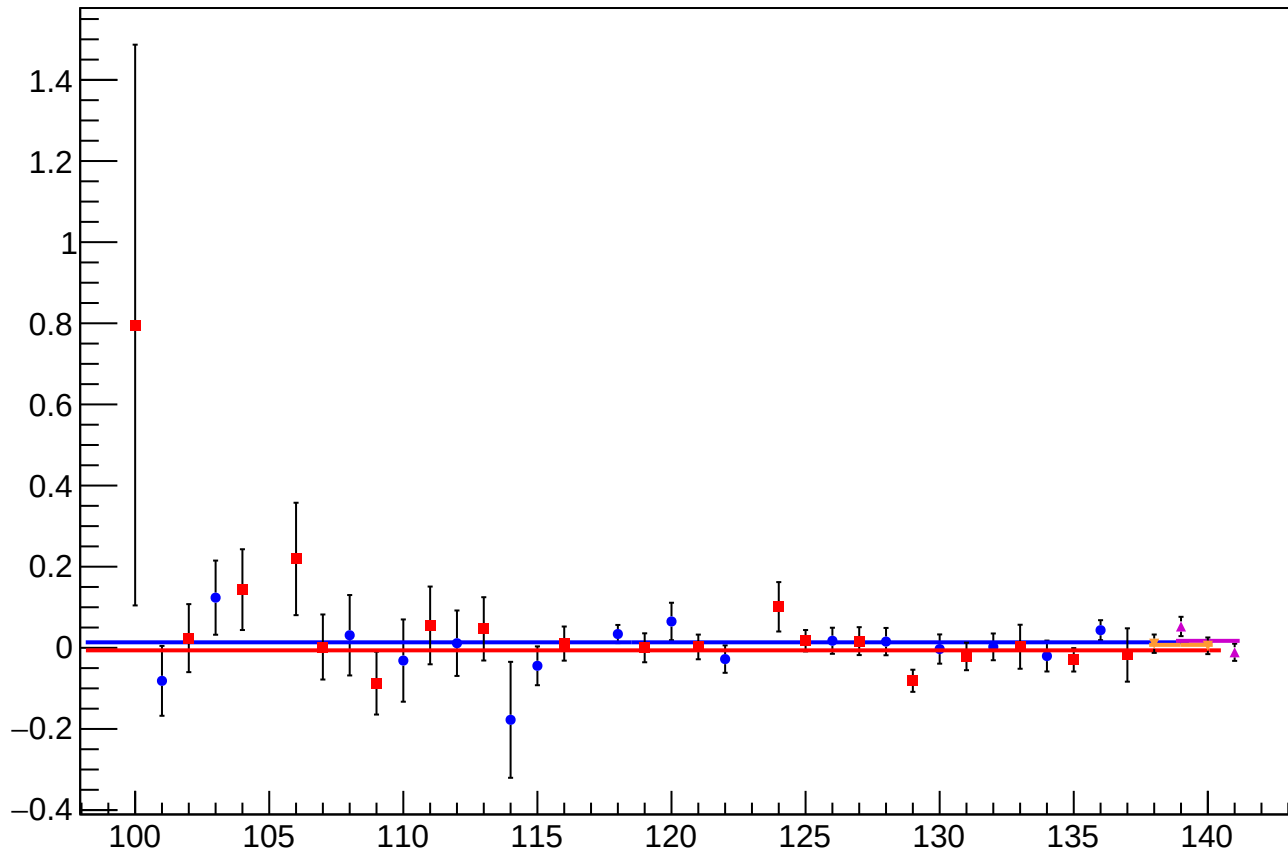
Left In: 0.000+/-0.000 χ^2/NDF : 20683.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 3336642.3/17

All: 0.000+/-0.000 χ^2/NDF : 6989837.7/38

- sign 0.000+/-0.000 χ^2/NDF : 3649173.3/20

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 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

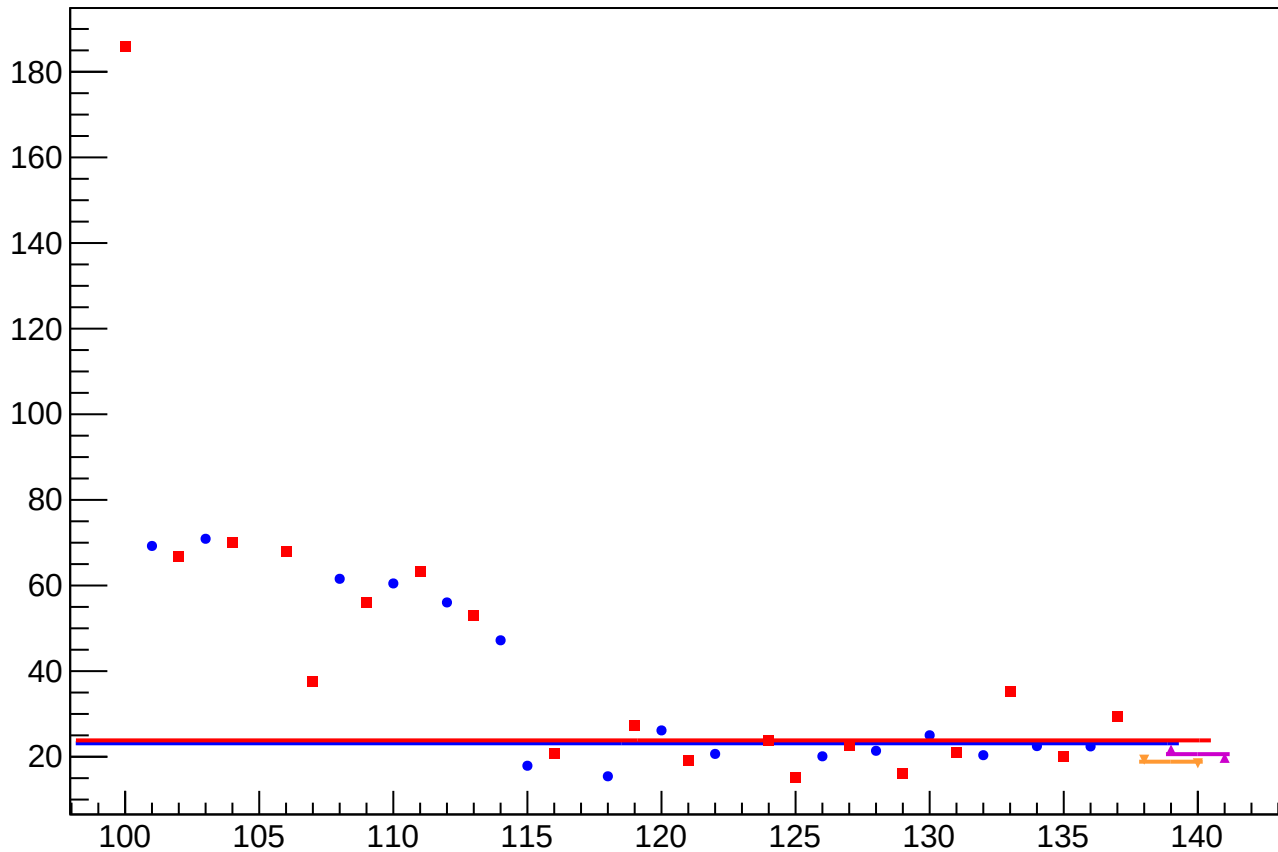
Left In: 0.017 $\pm$ 0.016 χ^2 /NDF:4.0/1

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 12.5/17

All: 0.006 $\pm$ 0.006 χ^2 /NDF: 40.4/38

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 27.0/20

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

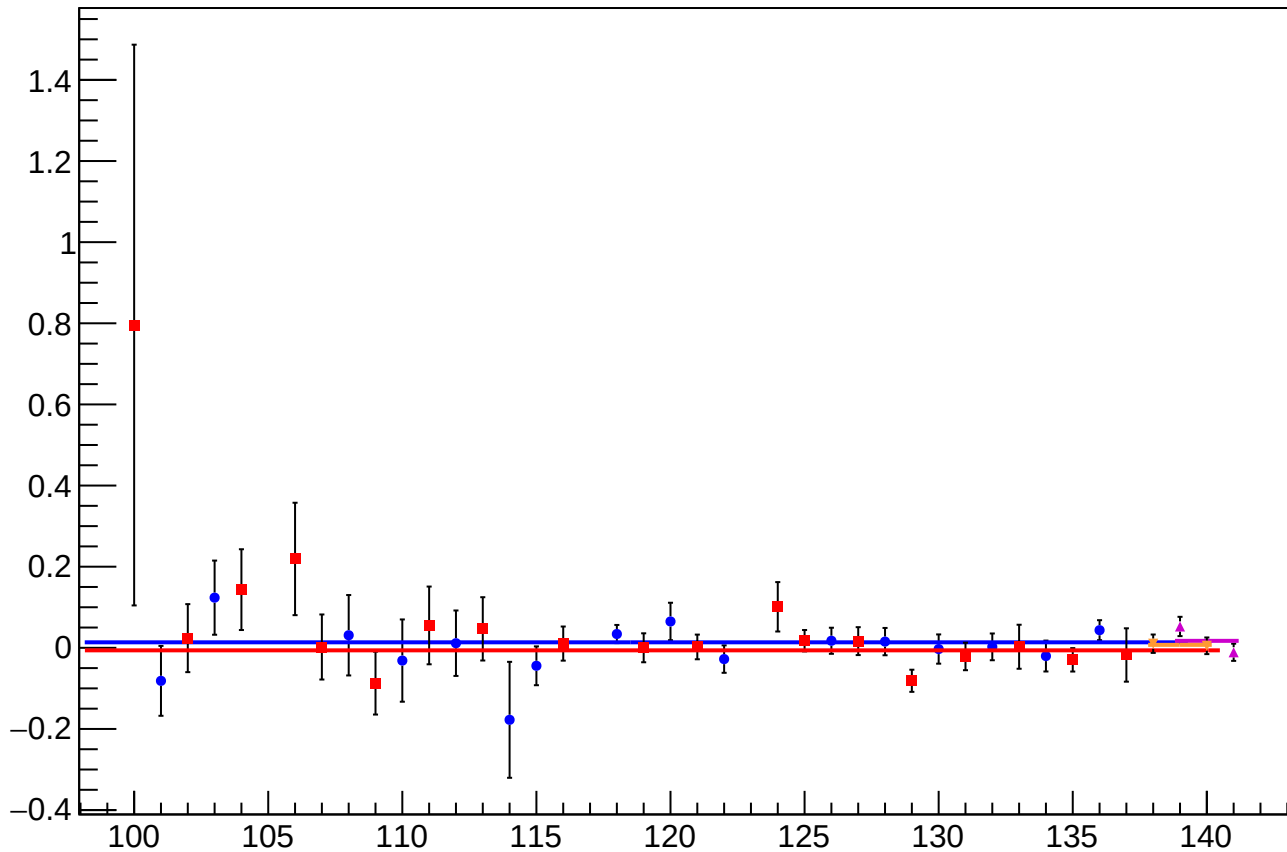
Left In: 20.611 $\pm$ 0.011 χ^2 /NDF:7517.0/1

+ sign 21.876 $\pm$ 0.006 χ^2 /NDF: 2520336.4/17

All: 22.373 $\pm$ 0.004 χ^2 /NDF: 5500378.9/38

- sign 22.898 $\pm$ 0.006 χ^2 /NDF: 2965157.0/20

asym_sam_37_26_dd_dit_vs_eigen_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

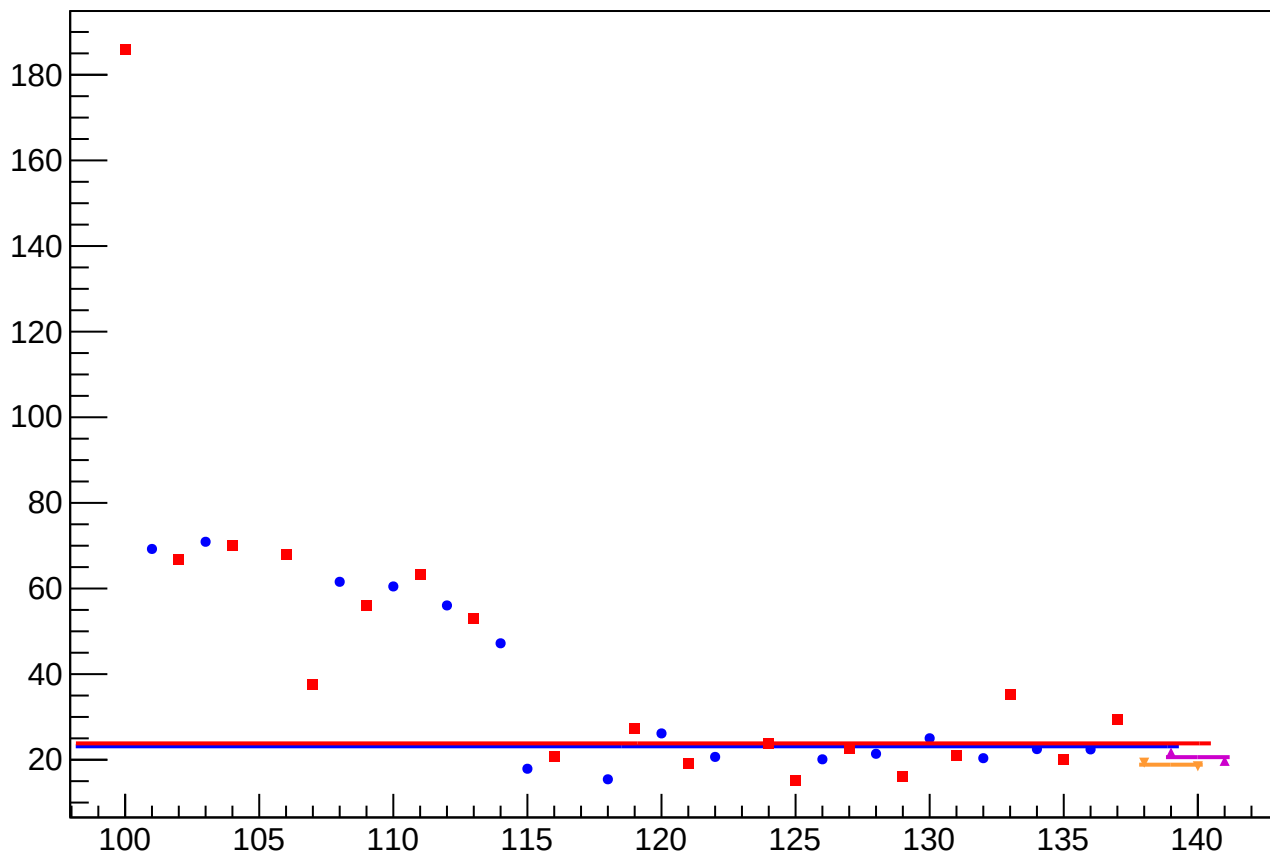
Left In: 0.017 ± 0.016 χ^2/NDF : 4.0/1

+ sign 0.012 ± 0.008 χ^2/NDF : 12.5/17

All: 0.006 ± 0.006 χ^2/NDF : 40.4/38

- sign 0.001 ± 0.008 χ^2/NDF : 27.0/20

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF : 2406426.8/15

Left Out: 18.851+/-0.011 χ^2/NDF :1532.0/1

Right Out: 23.825+/-0.007 χ^2/NDF : 2898916.7/18

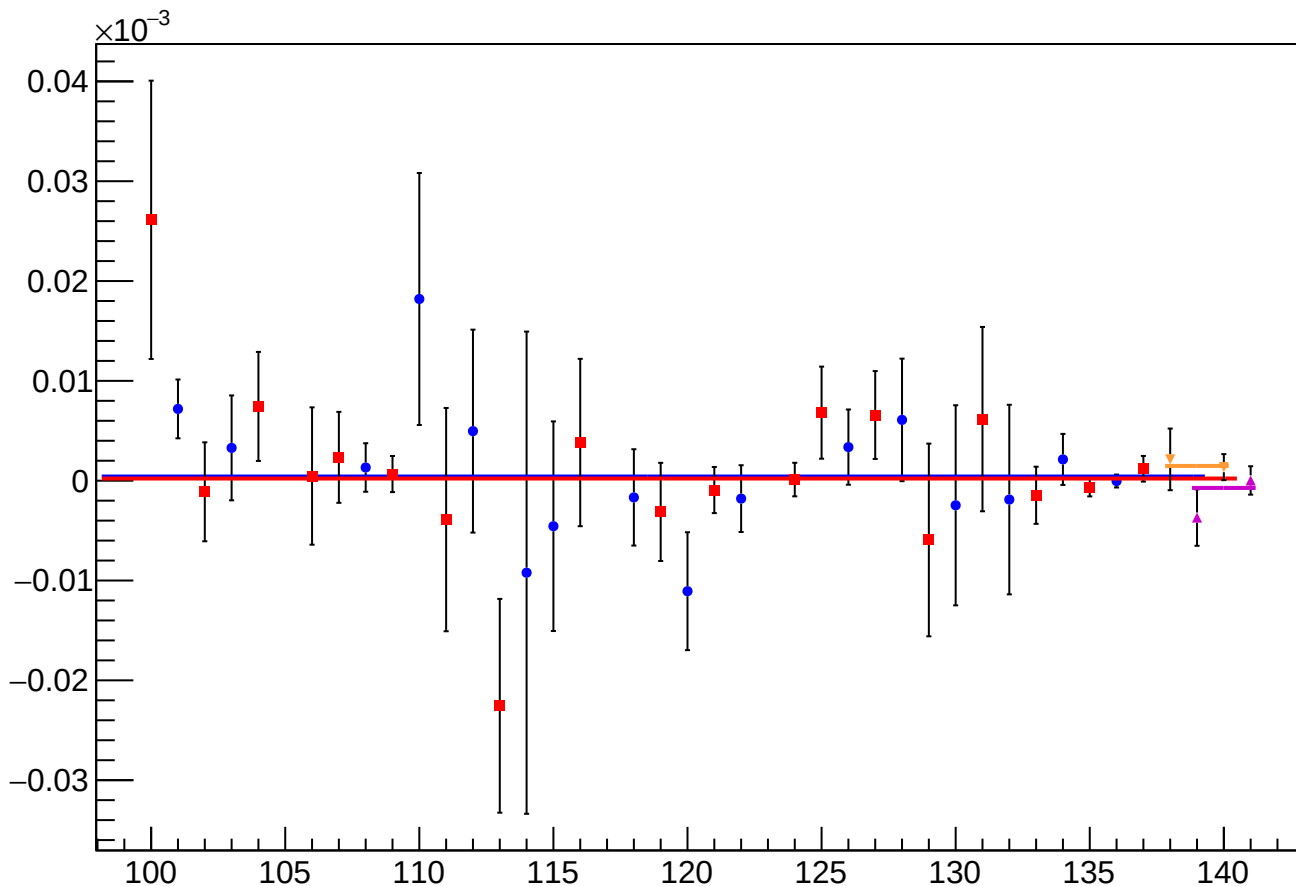
Left In: 20.611+/-0.011 χ^2/NDF :7517.0/1

+ sign 21.876+/-0.006 χ^2/NDF : 2520336.4/17

All: 22.373+/-0.004 χ^2/NDF : 5500378.9/38

- sign 22.898+/-0.006 χ^2/NDF : 2965157.0/20

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

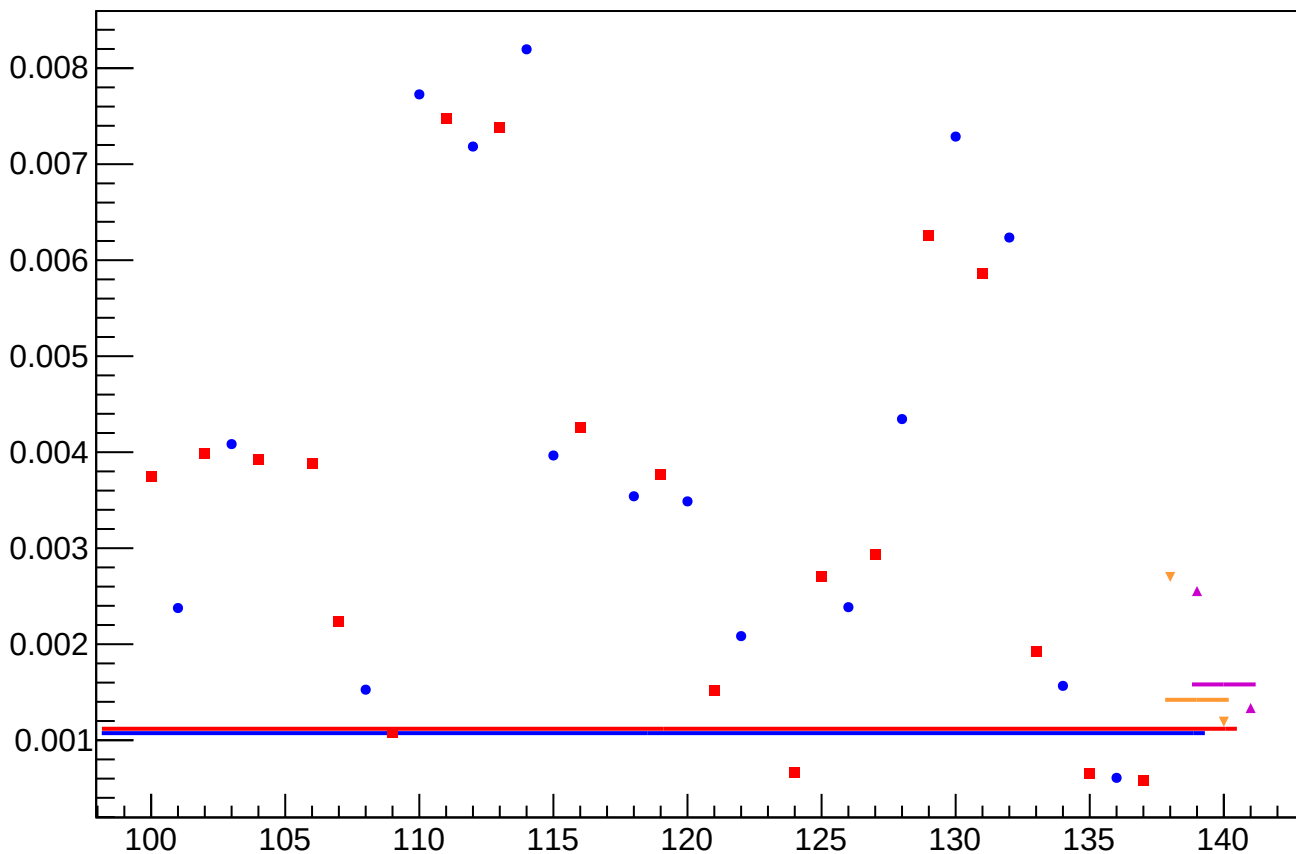
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

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

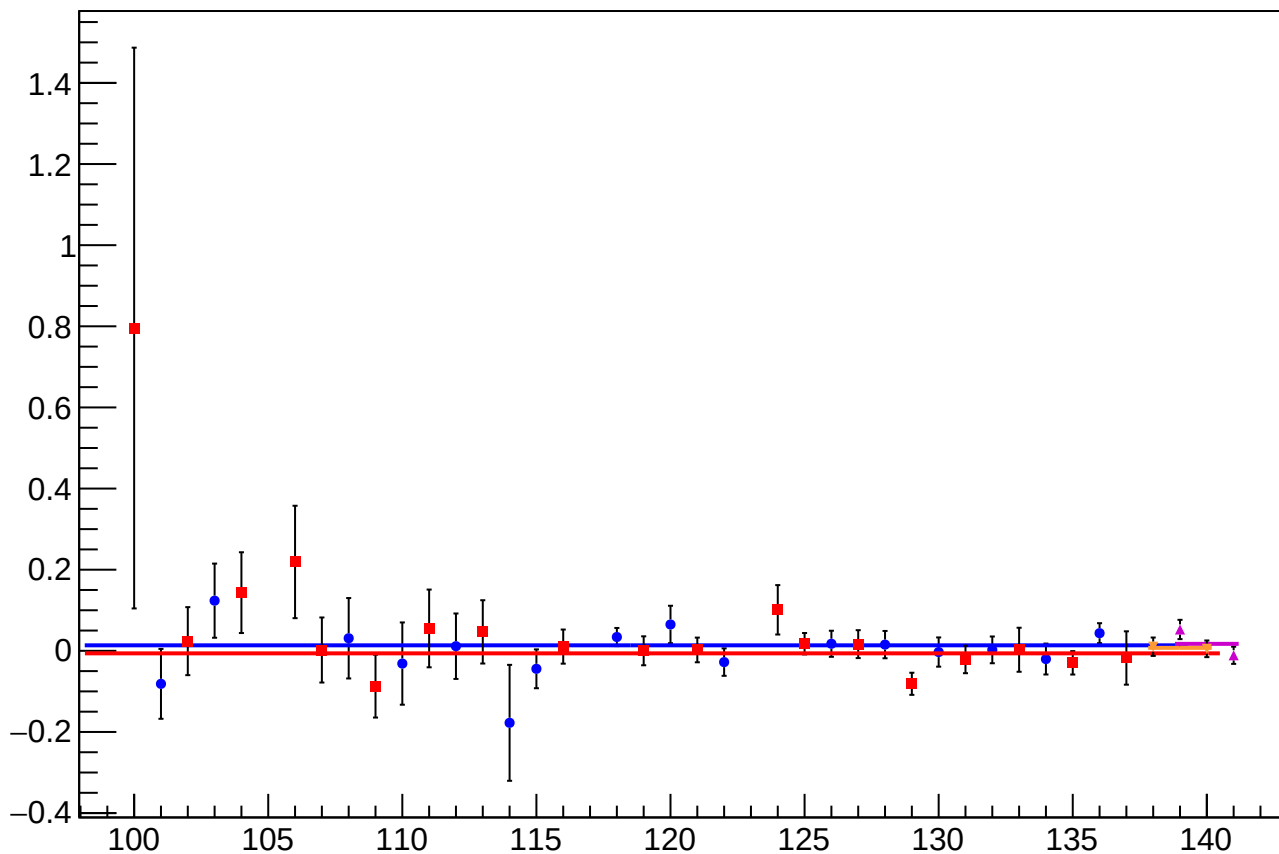
Left In: 0.002+/-0.000 χ^2/NDF : 296280.1/1

+ sign 0.001+/-0.000 χ^2/NDF : 7586828.7/17

All: 0.001+/-0.000 χ^2/NDF : 14913371.6/38

- sign 0.001+/-0.000 χ^2/NDF : 7312725.8/20

asym_sam_37_26_dd_eigen_dit_vs_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

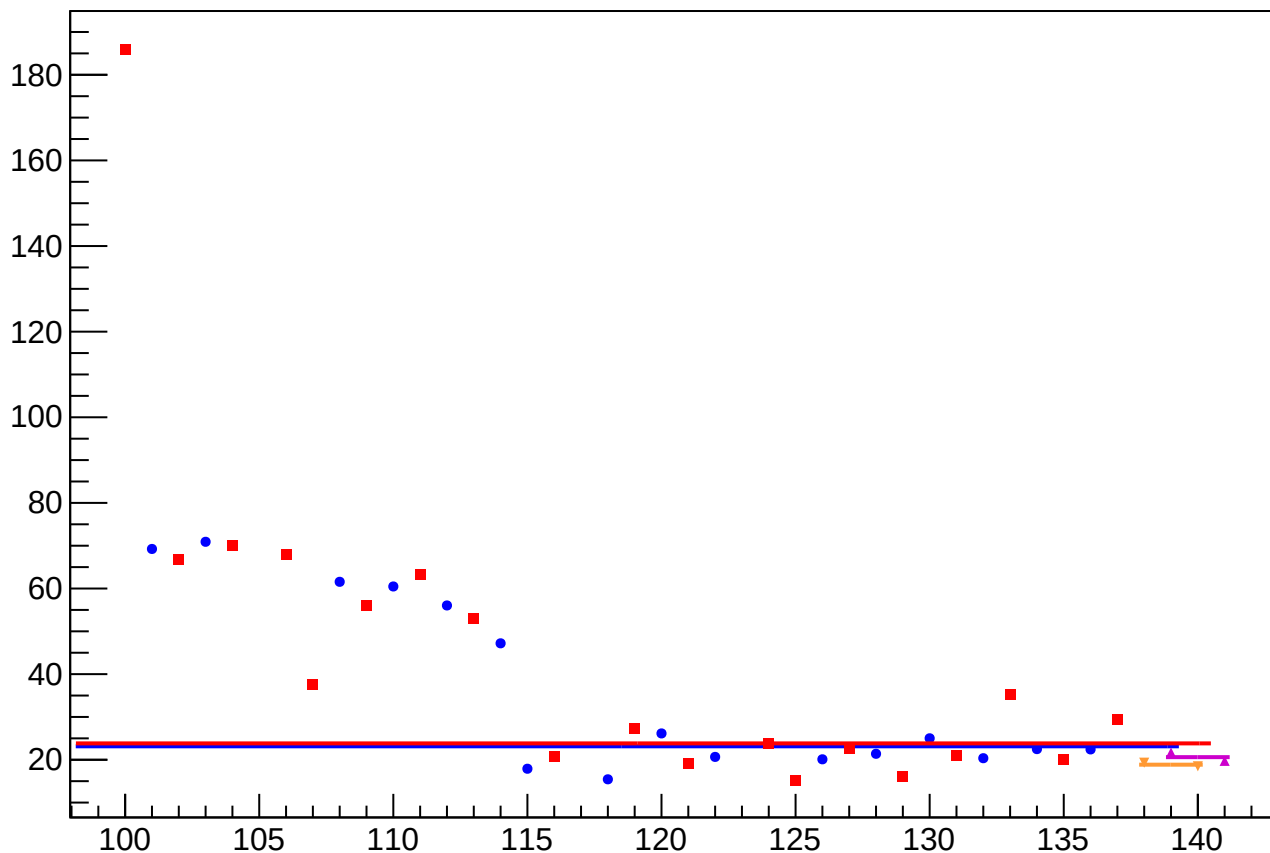
Left In: 0.017 $\pm$ 0.016 χ^2 /NDF:4.0/1

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 12.5/17

All: 0.006 $\pm$ 0.006 χ^2 /NDF: 40.4/38

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 27.0/20

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

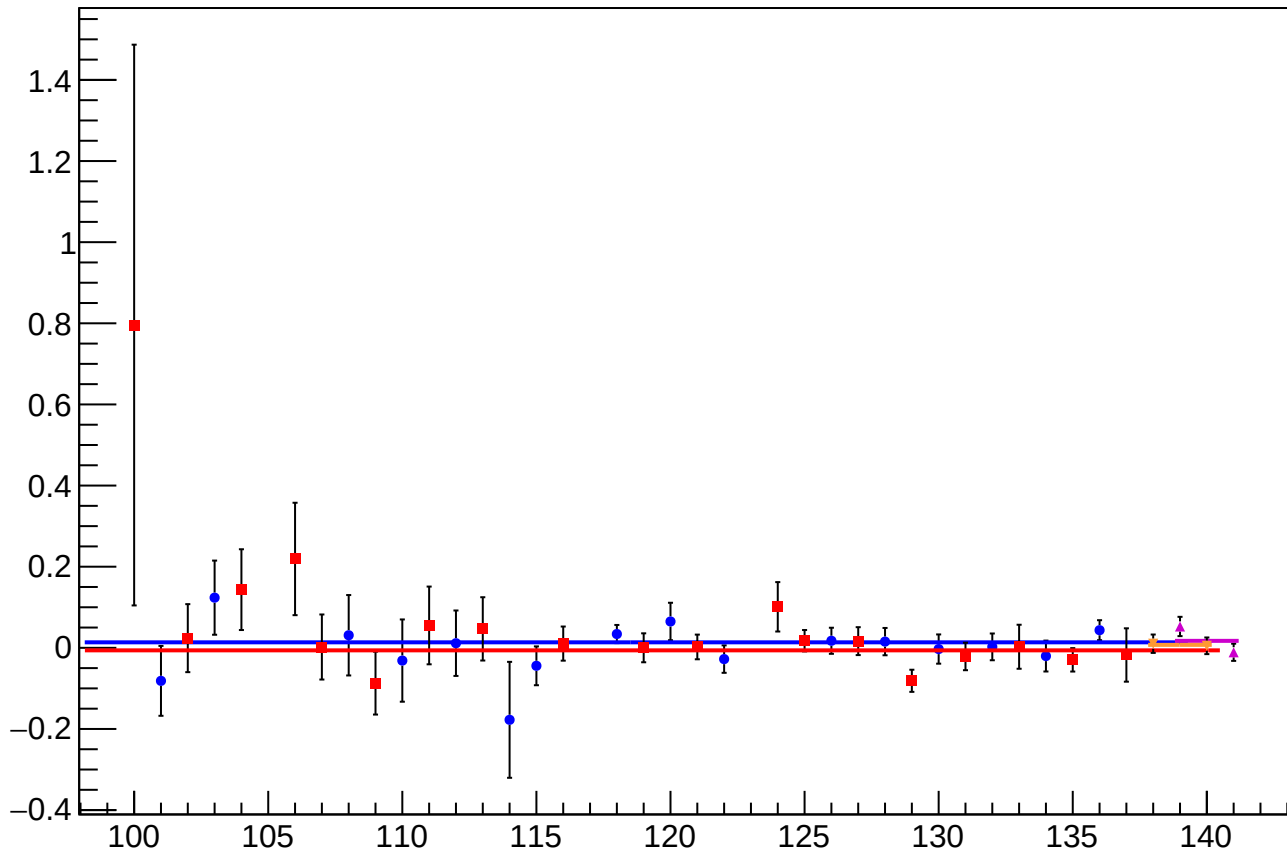
Left In: 20.612 $\pm$ 0.011 χ^2 /NDF:7505.5/1

+ sign 21.876 $\pm$ 0.006 χ^2 /NDF: 2520267.8/17

All: 22.373 $\pm$ 0.004 χ^2 /NDF: 5500225.7/38

- sign 22.898 $\pm$ 0.006 χ^2 /NDF: 2965061.5/20

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

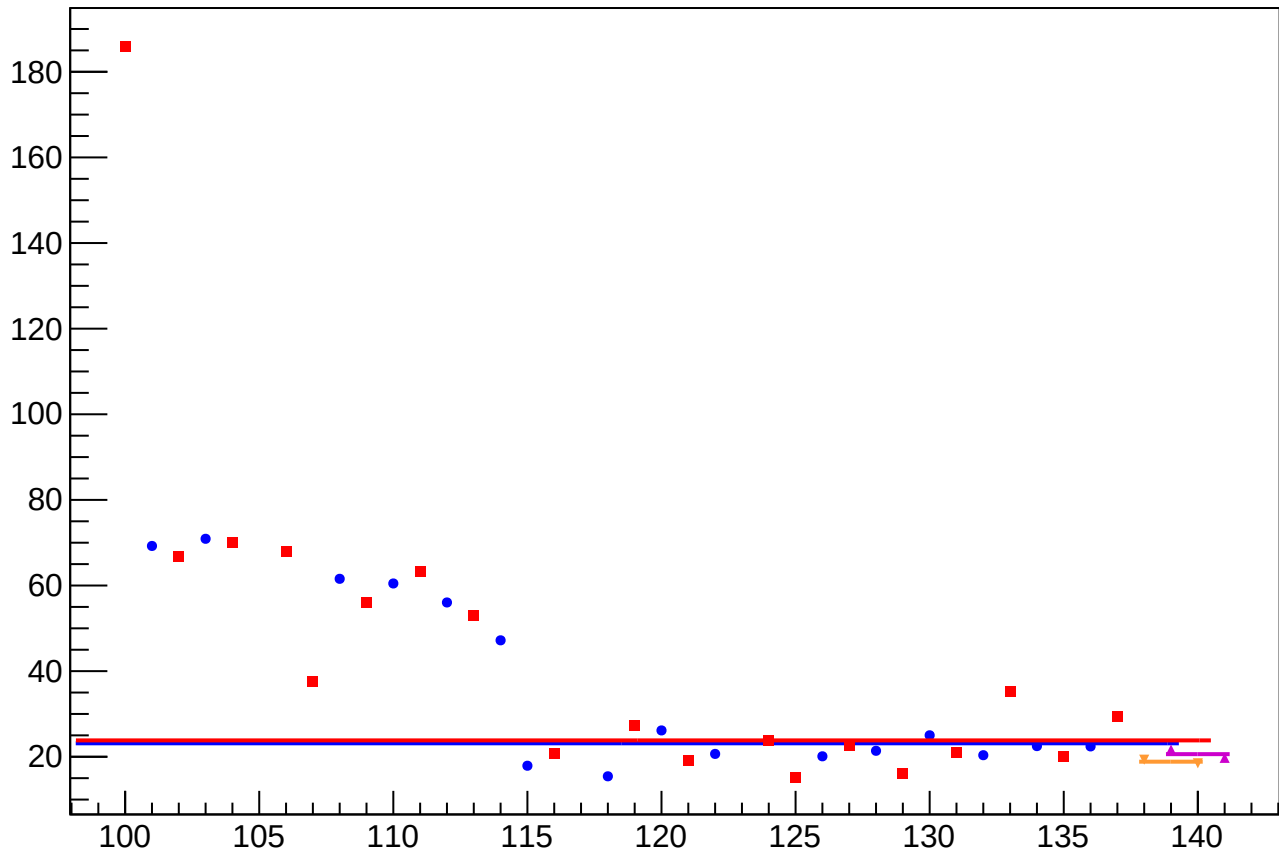
Left In: 0.017 $\pm$ 0.016 χ^2 /NDF:4.0/1

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 12.5/17

All: 0.006 $\pm$ 0.006 χ^2 /NDF: 40.4/38

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 27.0/20

asym_sam_37_26_dd_eigen_dit_vs_eigen_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

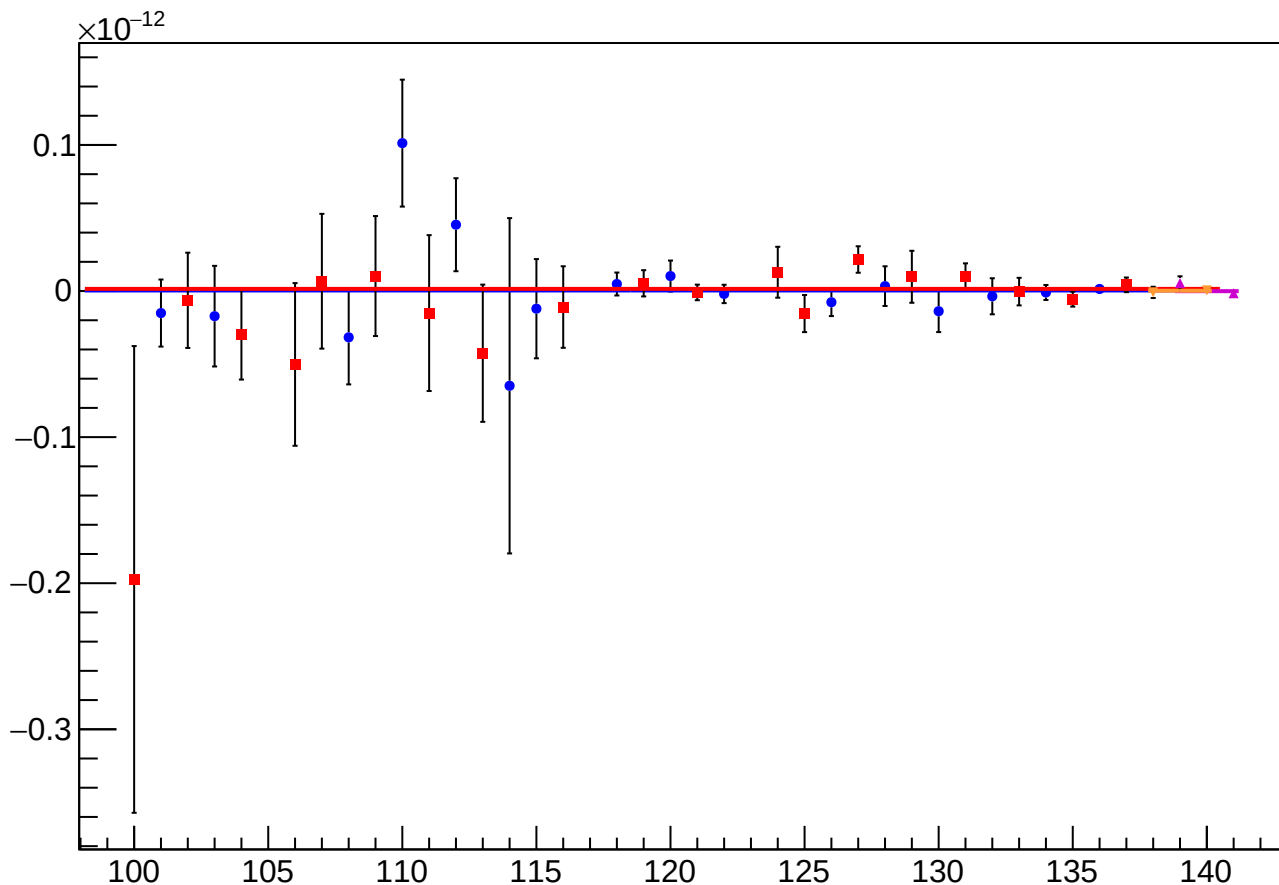
Left In: 20.612 $\pm$ 0.011 χ^2 /NDF:7505.5/1

+ sign 21.876 $\pm$ 0.006 χ^2 /NDF: 2520267.8/17

All: 22.373 $\pm$ 0.004 χ^2 /NDF: 5500225.7/38

- sign 22.898 $\pm$ 0.006 χ^2 /NDF: 2965061.5/20

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

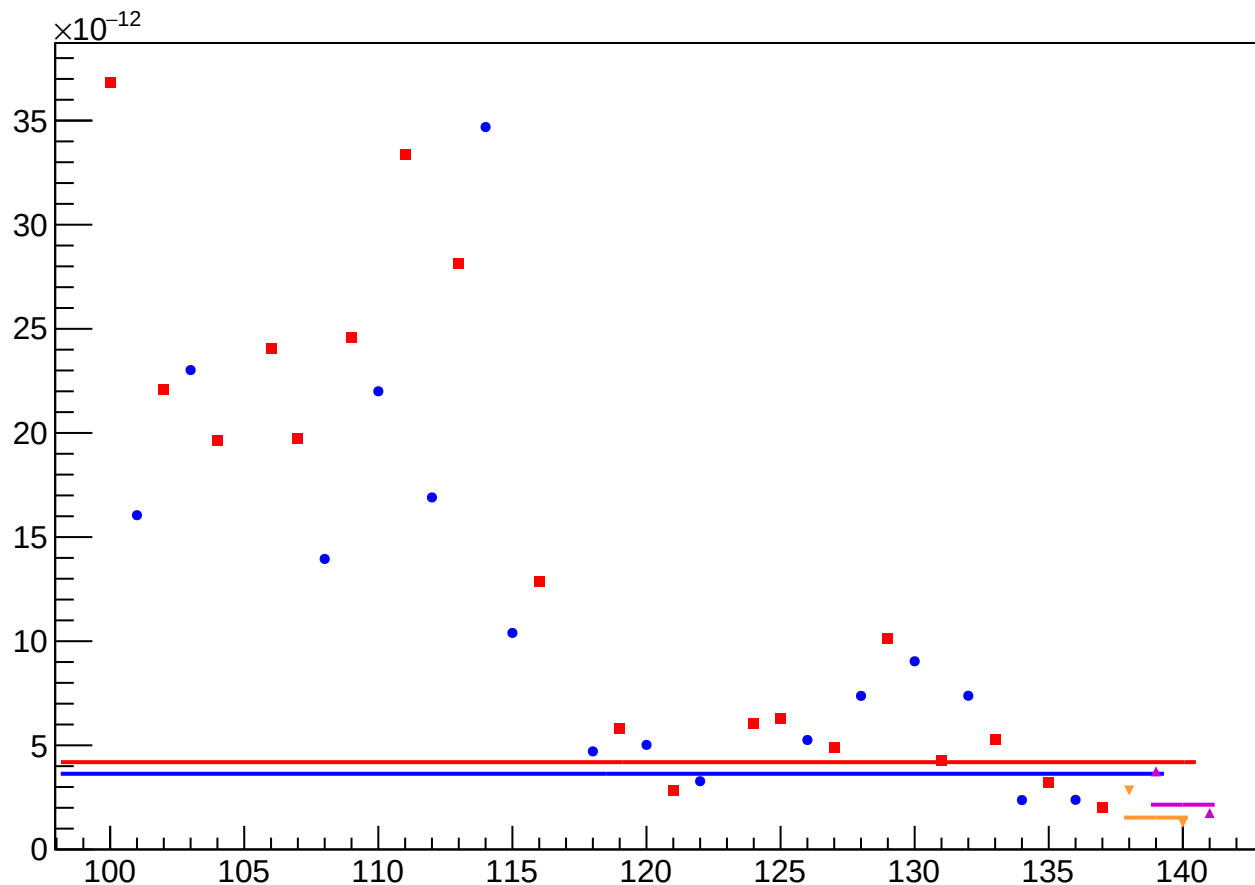
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 270480.8/1

Right Out: 0.000+/-0.000 χ^2/NDF : 4454808.3/18

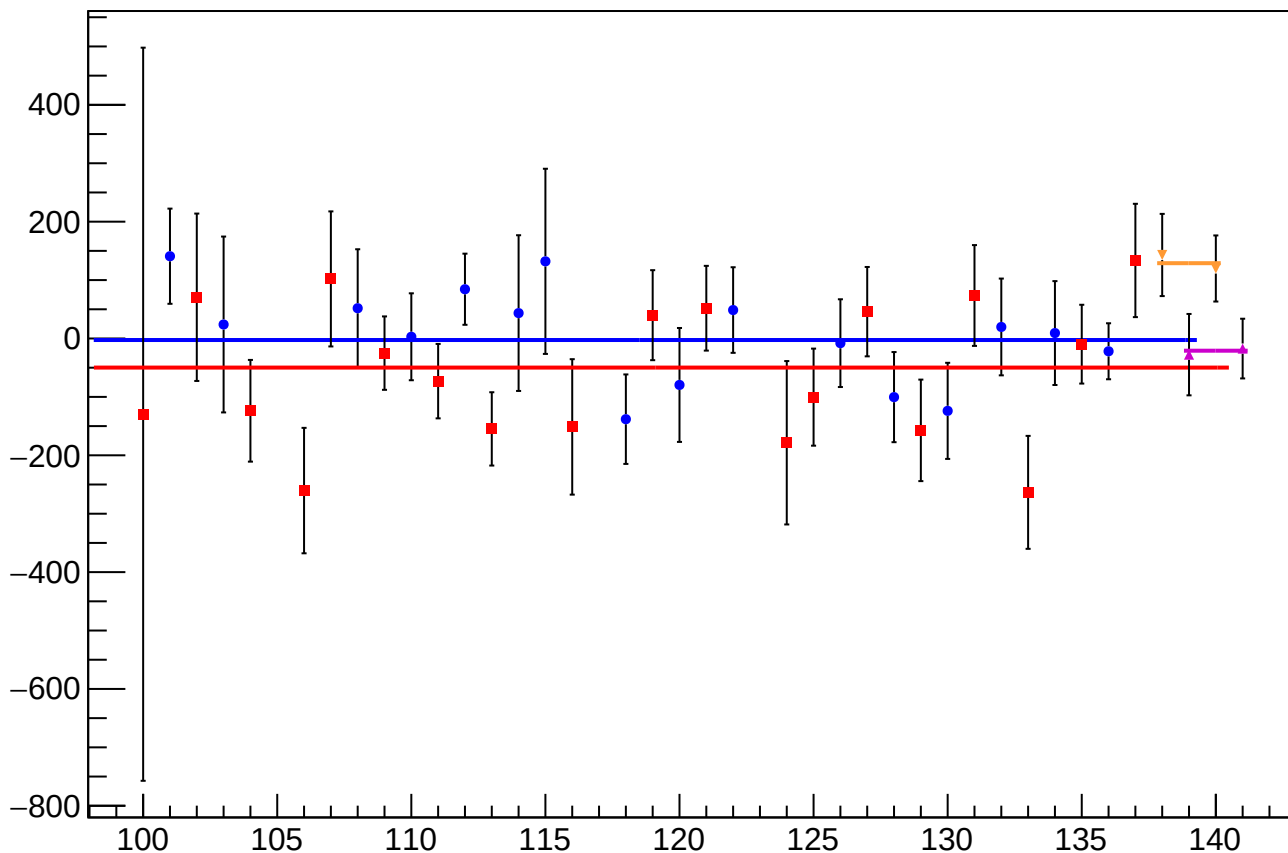
Left In: 0.000+/-0.000 χ^2/NDF : 308072.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 5195177.4/17

All: 0.000+/-0.000 χ^2/NDF : 11088733.3/38

- sign 0.000+/-0.000 χ^2/NDF : 5623269.4/20

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 $\chi^2/\text{NDF}: 29.4/18$

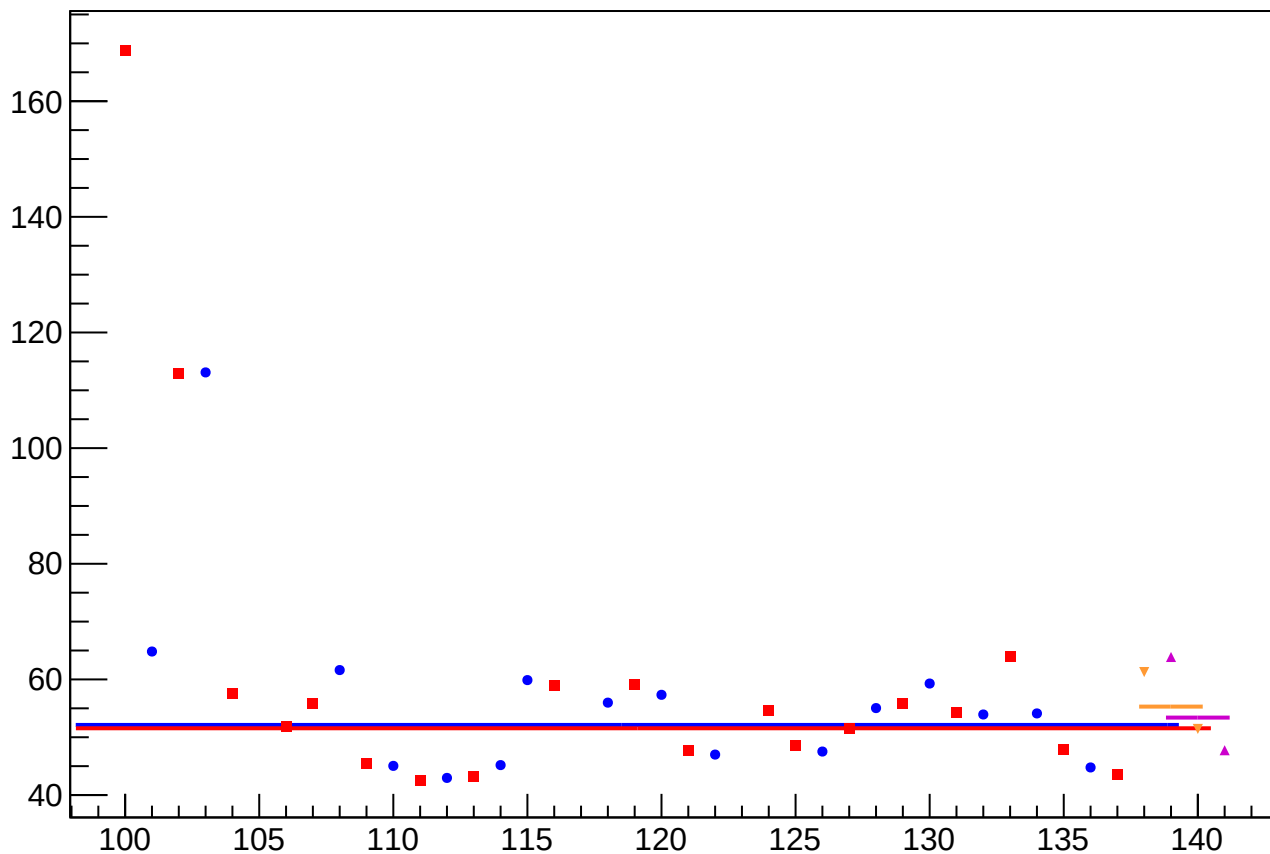
Left In: -20.909 ± 41.210 $\chi^2/\text{NDF}: 0.0/1$

+ sign 19.819 ± 18.210 $\chi^2/\text{NDF}: 22.0/17$

All: -13.209 ± 12.698 $\chi^2/\text{NDF}: 58.2/38$

- sign -44.469 ± 17.716 $\chi^2/\text{NDF}: 29.8/20$

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

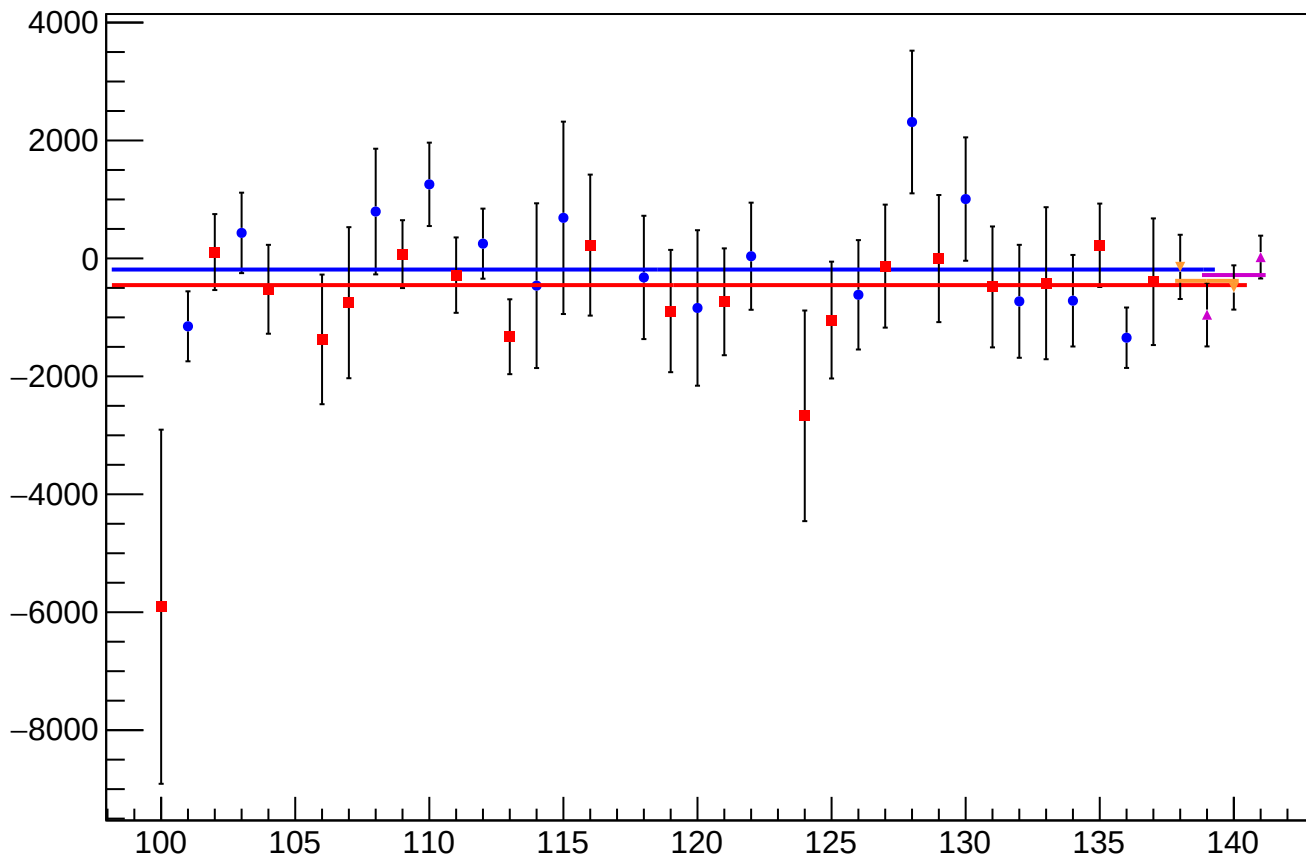
Left In: 53.398 $\pm$ 0.029 χ^2 /NDF: 69694.7/1

+ sign 52.669 $\pm$ 0.013 χ^2 /NDF: 595231.0/17

All: 52.270 $\pm$ 0.009 χ^2 /NDF: 1309643.6/38

- sign 51.891 $\pm$ 0.013 χ^2 /NDF: 712537.7/20

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563 $\pm$ 205.811 χ^2 /NDF: 21.4/15

Left Out: -380.289 $\pm$ 309.092 χ^2 /NDF: 0.3/1

Right Out: -452.540 $\pm$ 203.918 χ^2 /NDF: 11.3/18

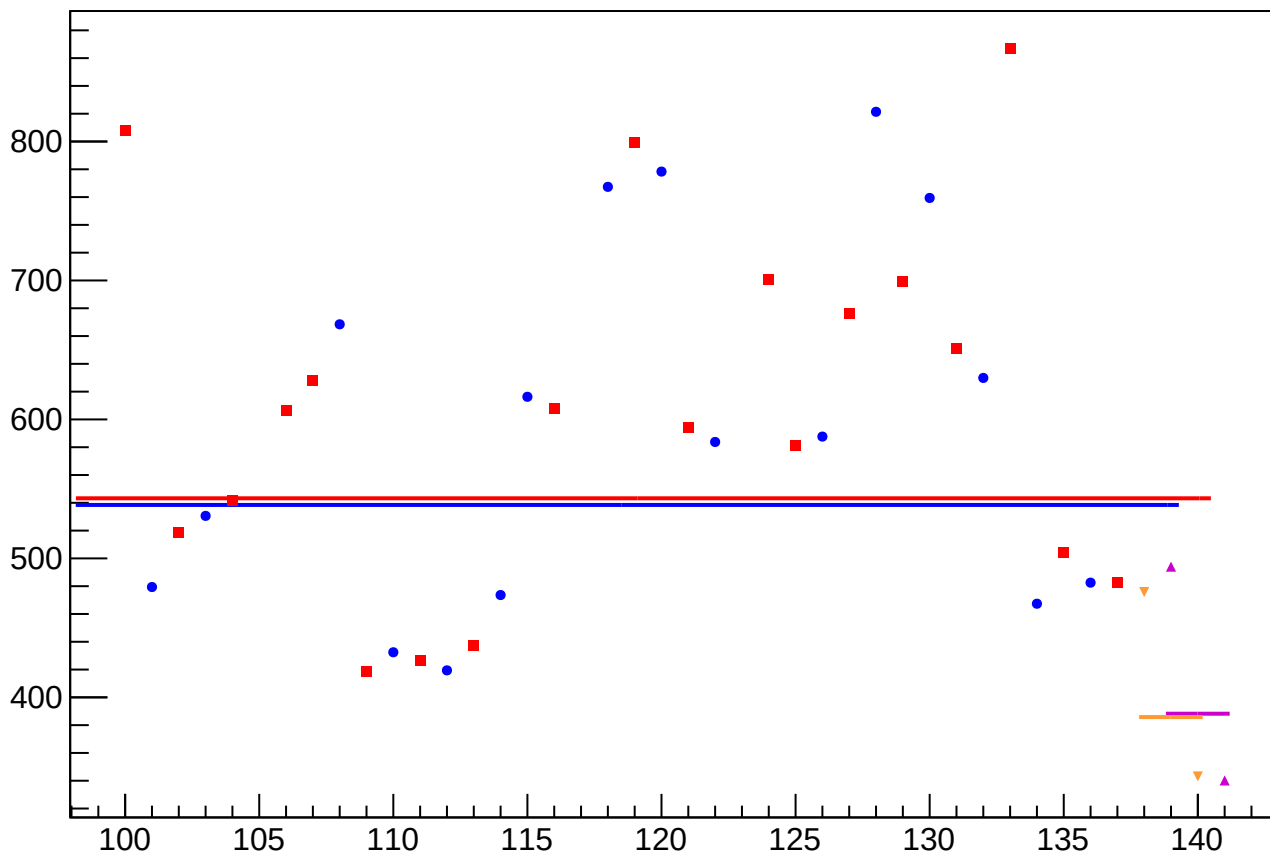
Left In: -281.980 $\pm$ 301.171 χ^2 /NDF: 2.3/1

+ sign -247.456 $\pm$ 171.309 χ^2 /NDF: 21.9/17

All: -324.285 $\pm$ 120.256 χ^2 /NDF: 36.1/38

- sign -398.927 $\pm$ 168.854 χ^2 /NDF: 13.8/20

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468 $\pm$ 0.146 χ^2 /NDF: 613995.2/15

Left Out: 385.817 $\pm$ 0.219 χ^2 /NDF: 80489.9/1

Right Out: 543.242 $\pm$ 0.144 χ^2 /NDF: 637115.5/18

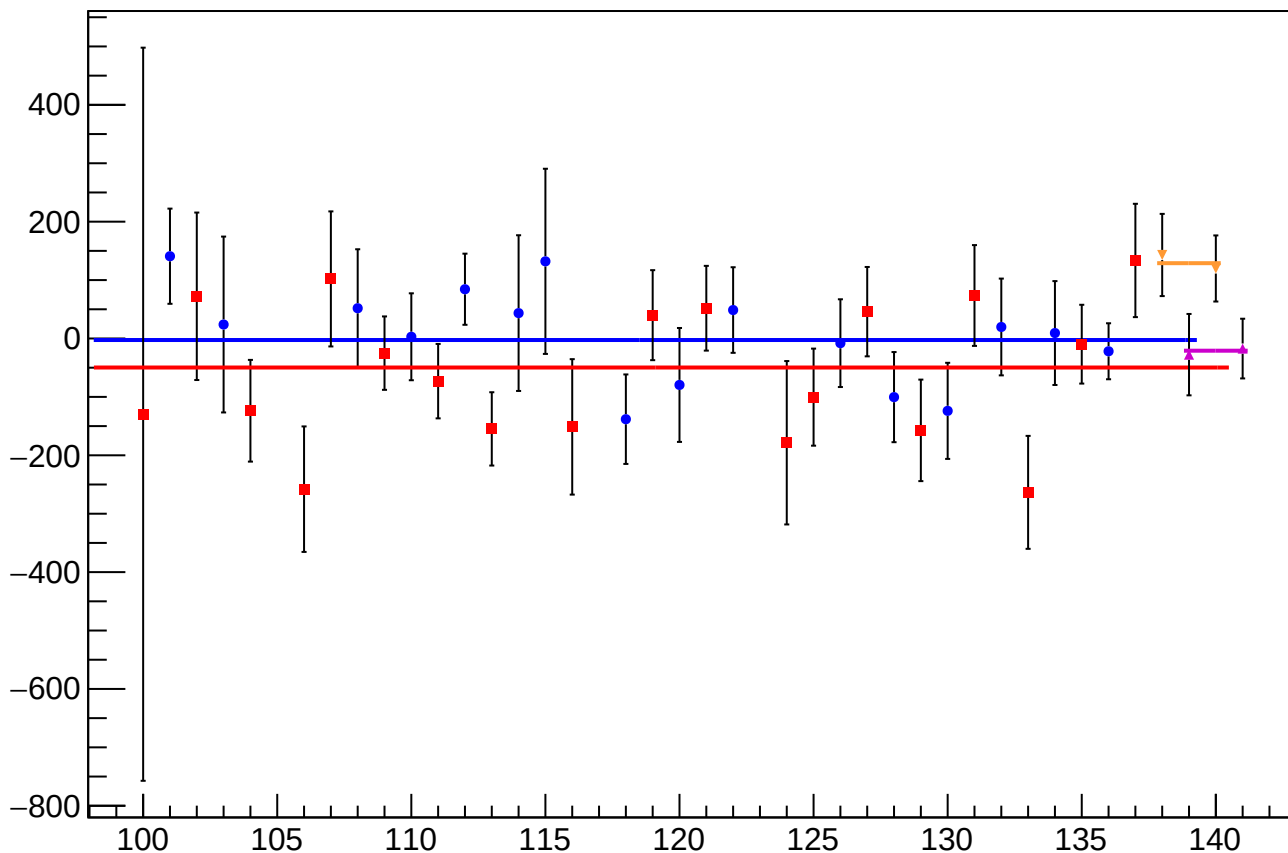
Left In: 388.241 $\pm$ 0.213 χ^2 /NDF: 112093.2/1

+ sign 491.577 $\pm$ 0.121 χ^2 /NDF: 1032451.0/17

All: 493.070 $\pm$ 0.085 χ^2 /NDF: 2145190.2/38

- sign 494.519 $\pm$ 0.119 χ^2 /NDF: 1112440.1/20

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 $\chi^2/\text{NDF}: 29.3/18$

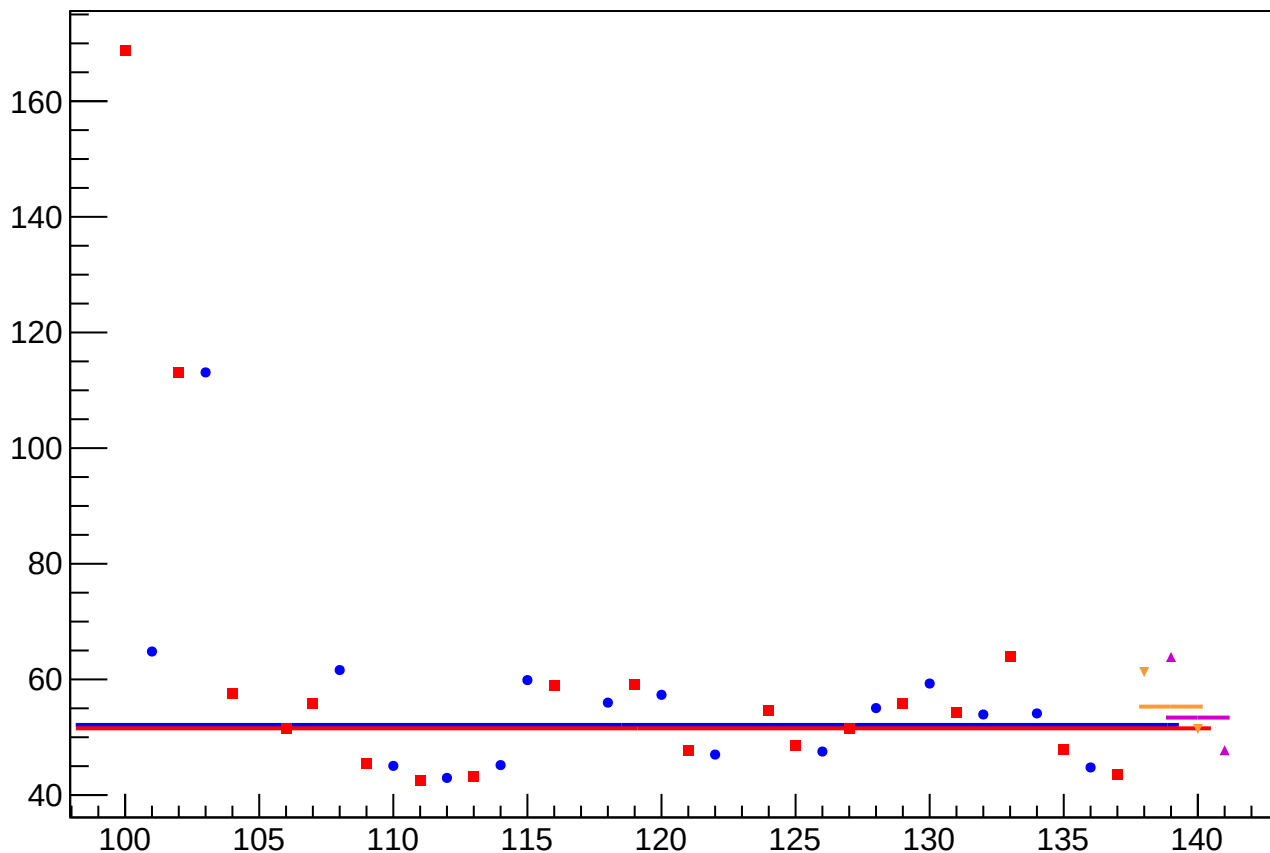
Left In: -20.914 ± 41.210 $\chi^2/\text{NDF}: 0.0/1$

+ sign 19.816 ± 18.210 $\chi^2/\text{NDF}: 22.0/17$

All: -13.161 ± 12.698 $\chi^2/\text{NDF}: 58.1/38$

- sign -44.375 ± 17.716 $\chi^2/\text{NDF}: 29.7/20$

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

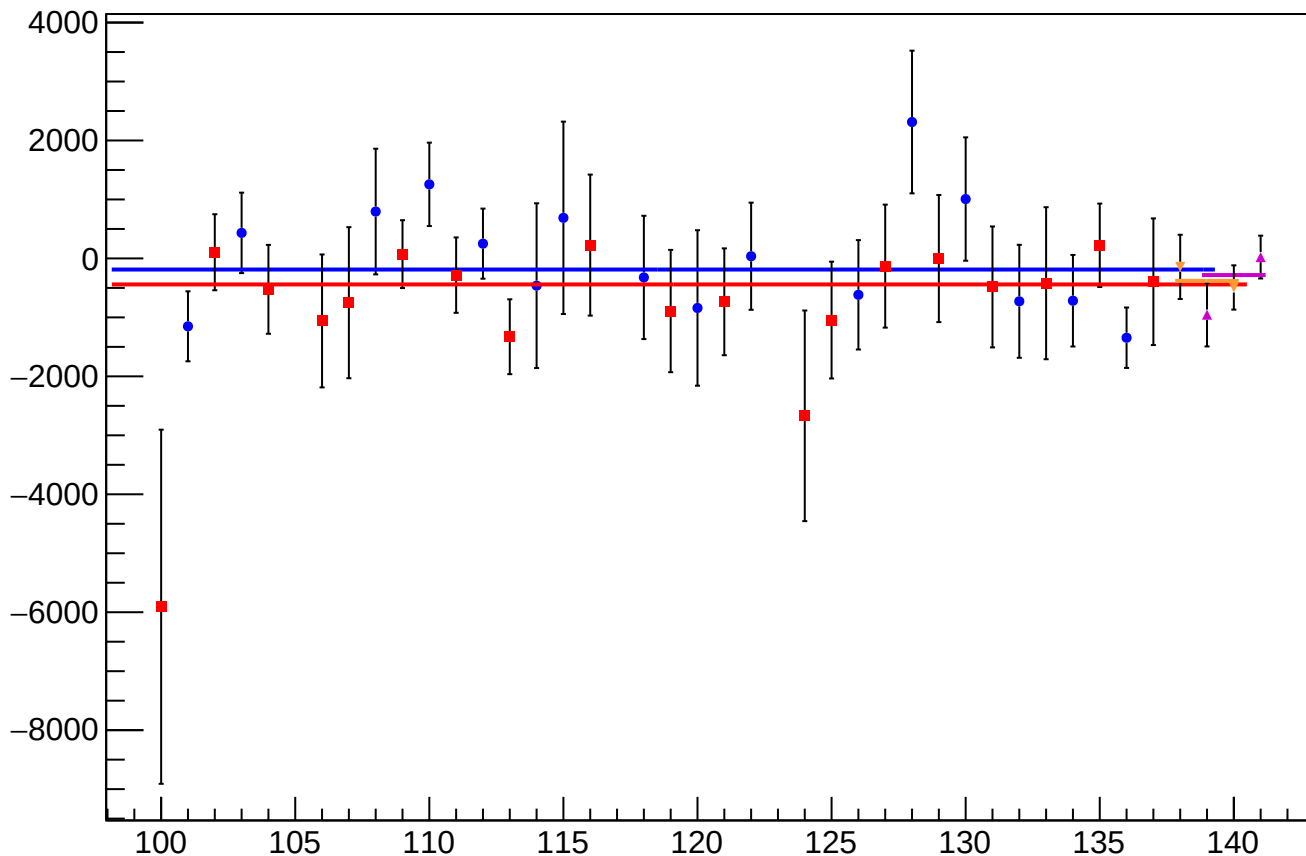
Left In: 53.398 $\pm$ 0.029 χ^2 /NDF: 69694.7/1

+ sign 52.669 $\pm$ 0.013 χ^2 /NDF: 595233.3/17

All: 52.265 $\pm$ 0.009 χ^2 /NDF: 1309942.9/38

- sign 51.883 $\pm$ 0.013 χ^2 /NDF: 712794.1/20

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541 $\pm$ 205.813 χ^2 /NDF: 21.4/15

Left Out: -380.285 $\pm$ 309.092 χ^2 /NDF:0.3/1

Right Out: -441.171 $\pm$ 204.111 χ^2 /NDF: 10.9/18

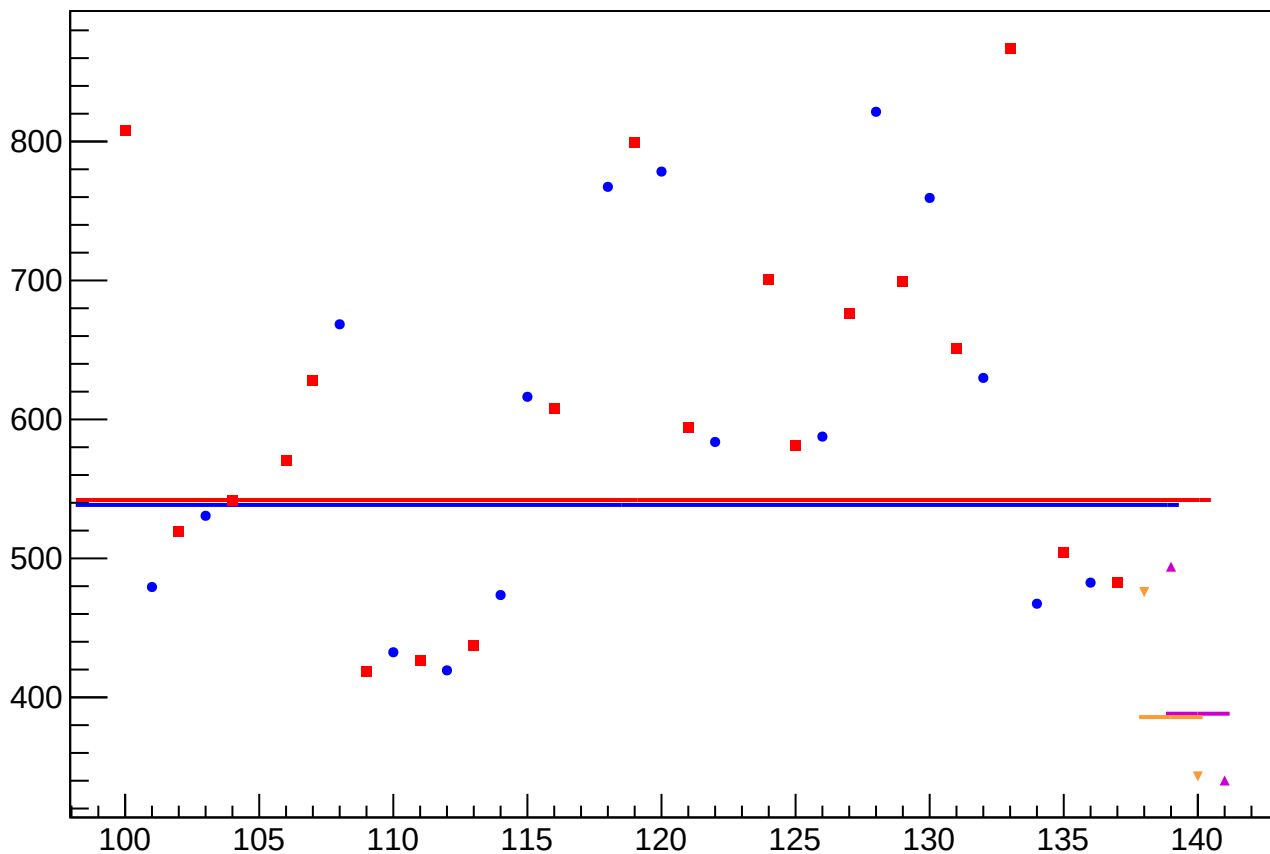
Left In: -281.992 $\pm$ 301.172 χ^2 /NDF:2.3/1

+ sign -247.441 $\pm$ 171.310 χ^2 /NDF: 21.9/17

All: -320.246 $\pm$ 120.296 χ^2 /NDF: 35.6/38

- sign -391.071 $\pm$ 168.963 χ^2 /NDF: 13.3/20

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF : 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF : 80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF : 631559.6/18

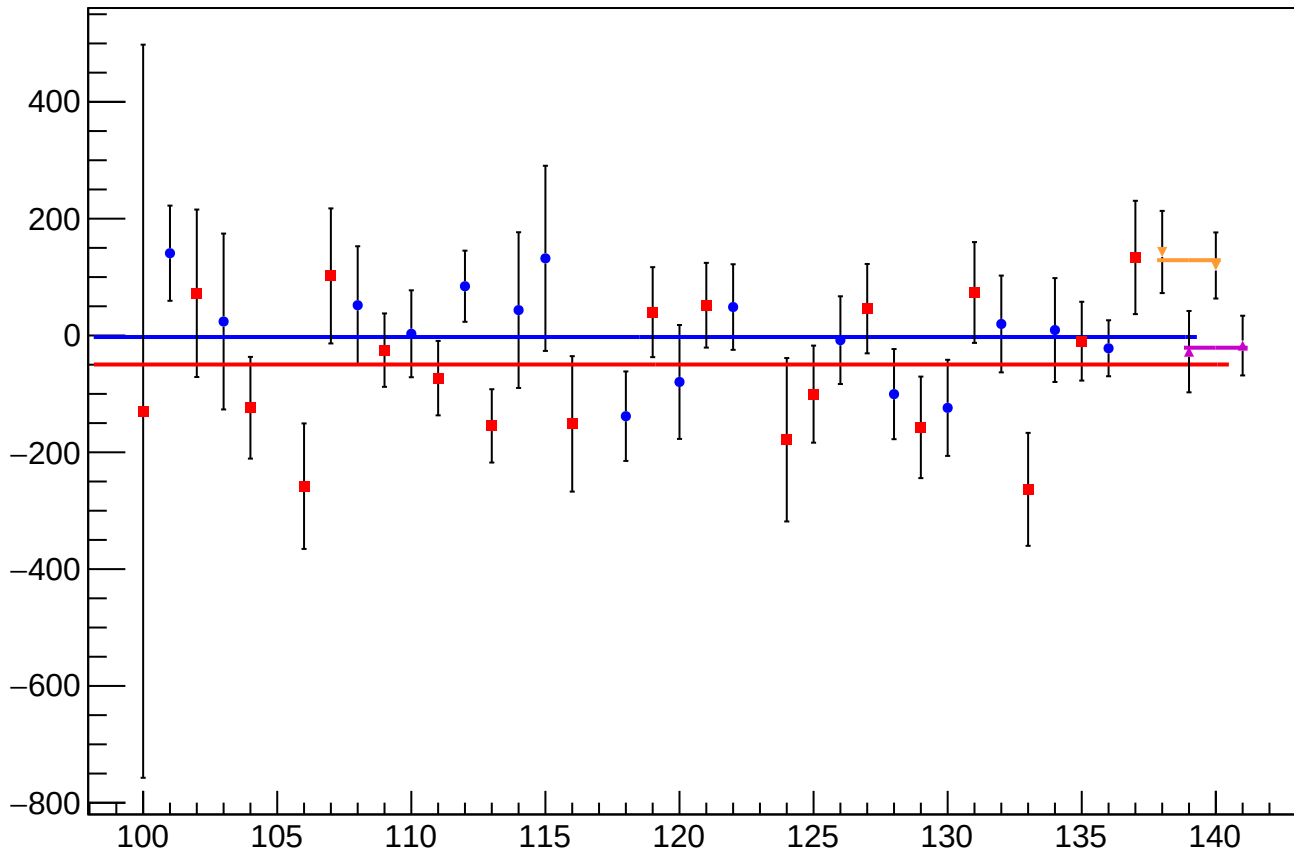
Left In: 388.241+/-0.213 χ^2/NDF : 112091.7/1

+ sign 491.580+/-0.121 χ^2/NDF : 1032470.6/17

All: 492.616+/-0.085 χ^2/NDF : 2133603.5/38

- sign 493.623+/-0.119 χ^2/NDF : 1100988.9/20

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 128.932 ± 44.095 $\chi^2/\text{NDF}: 0.1/1$

Right Out: -49.694 ± 19.622 $\chi^2/\text{NDF}: 29.3/18$

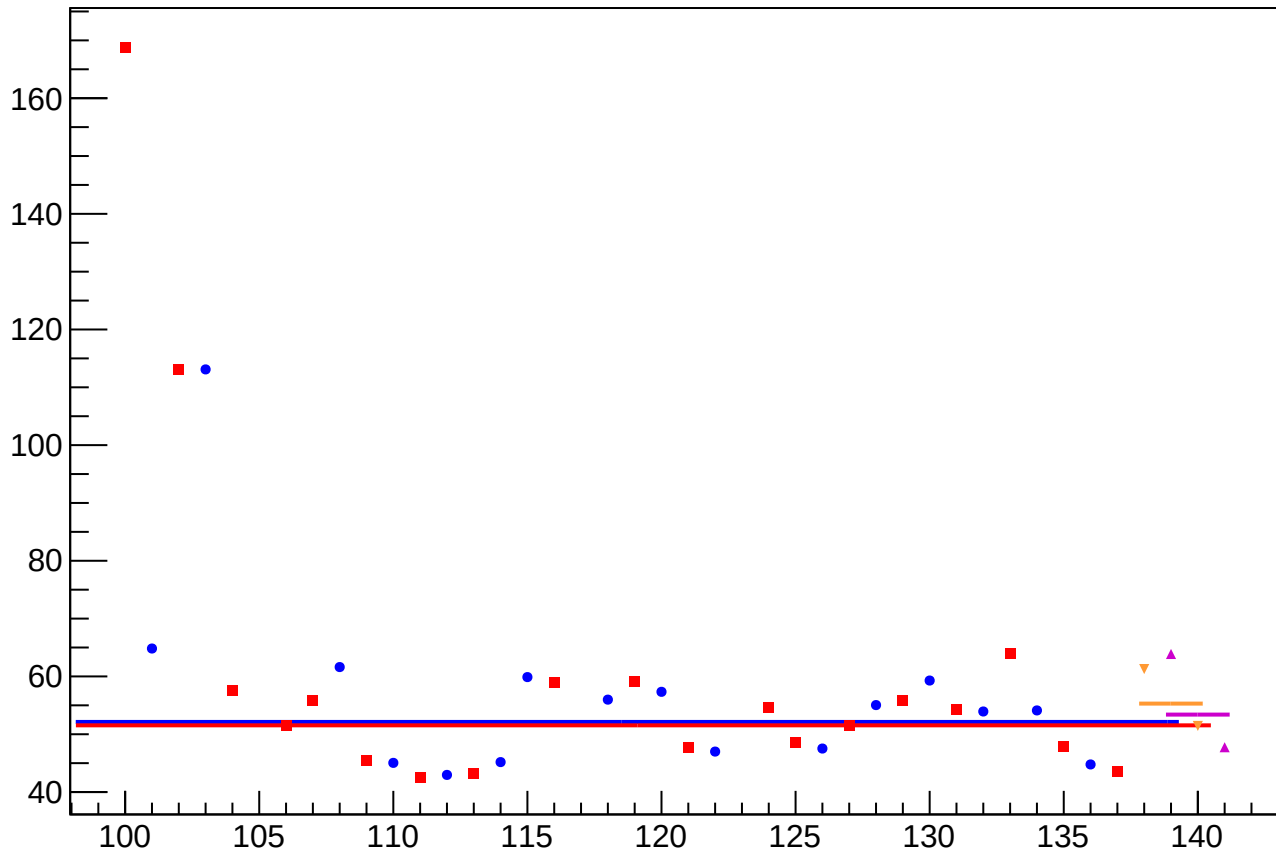
Left In: -20.914 ± 41.210 $\chi^2/\text{NDF}: 0.0/1$

+ sign 19.816 ± 18.210 $\chi^2/\text{NDF}: 22.0/17$

All: -13.161 ± 12.698 $\chi^2/\text{NDF}: 58.1/38$

- sign -44.375 ± 17.716 $\chi^2/\text{NDF}: 29.7/20$

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

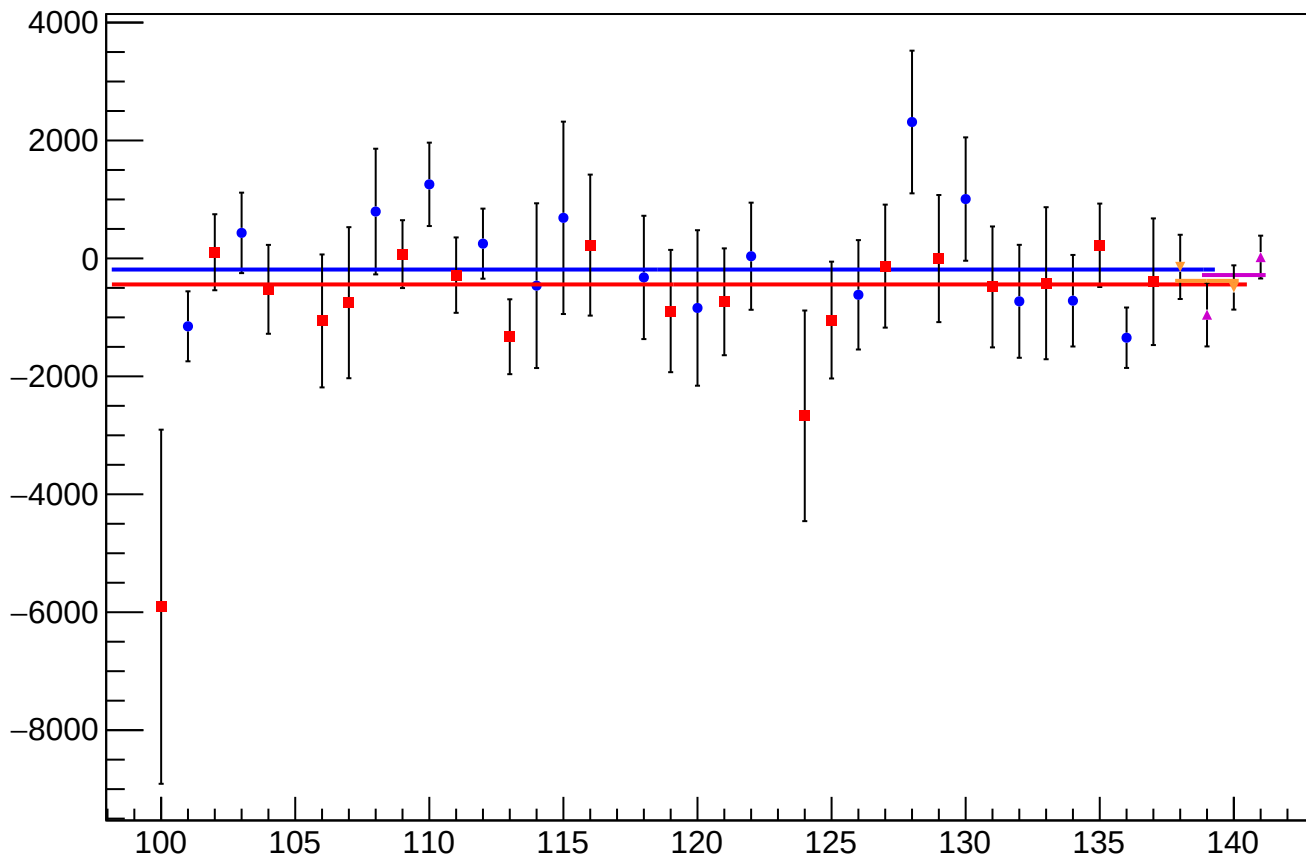
Left In: 53.398 $\pm$ 0.029 χ^2 /NDF: 69694.7/1

+ sign 52.669 $\pm$ 0.013 χ^2 /NDF: 595233.3/17

All: 52.265 $\pm$ 0.009 χ^2 /NDF: 1309942.9/38

- sign 51.883 $\pm$ 0.013 χ^2 /NDF: 712794.1/20

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -188.541 $\pm$ 205.813 χ^2 /NDF: 21.4/15

Left Out: -380.285 $\pm$ 309.092 χ^2 /NDF: 0.3/1

Right Out: -441.171 $\pm$ 204.111 χ^2 /NDF: 10.9/18

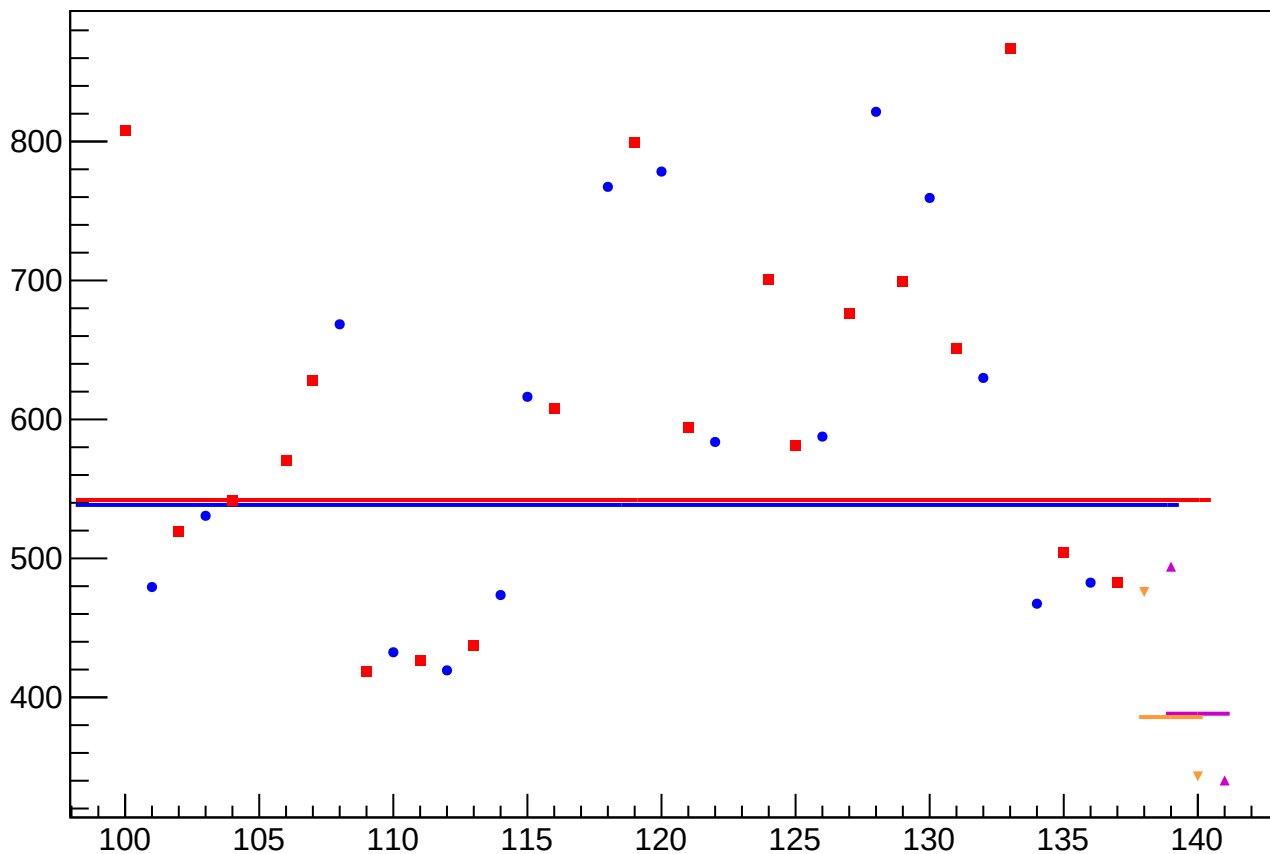
Left In: -281.992 $\pm$ 301.172 χ^2 /NDF: 2.3/1

+ sign -247.441 $\pm$ 171.310 χ^2 /NDF: 21.9/17

All: -320.246 $\pm$ 120.296 χ^2 /NDF: 35.6/38

- sign -391.071 $\pm$ 168.963 χ^2 /NDF: 13.3/20

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

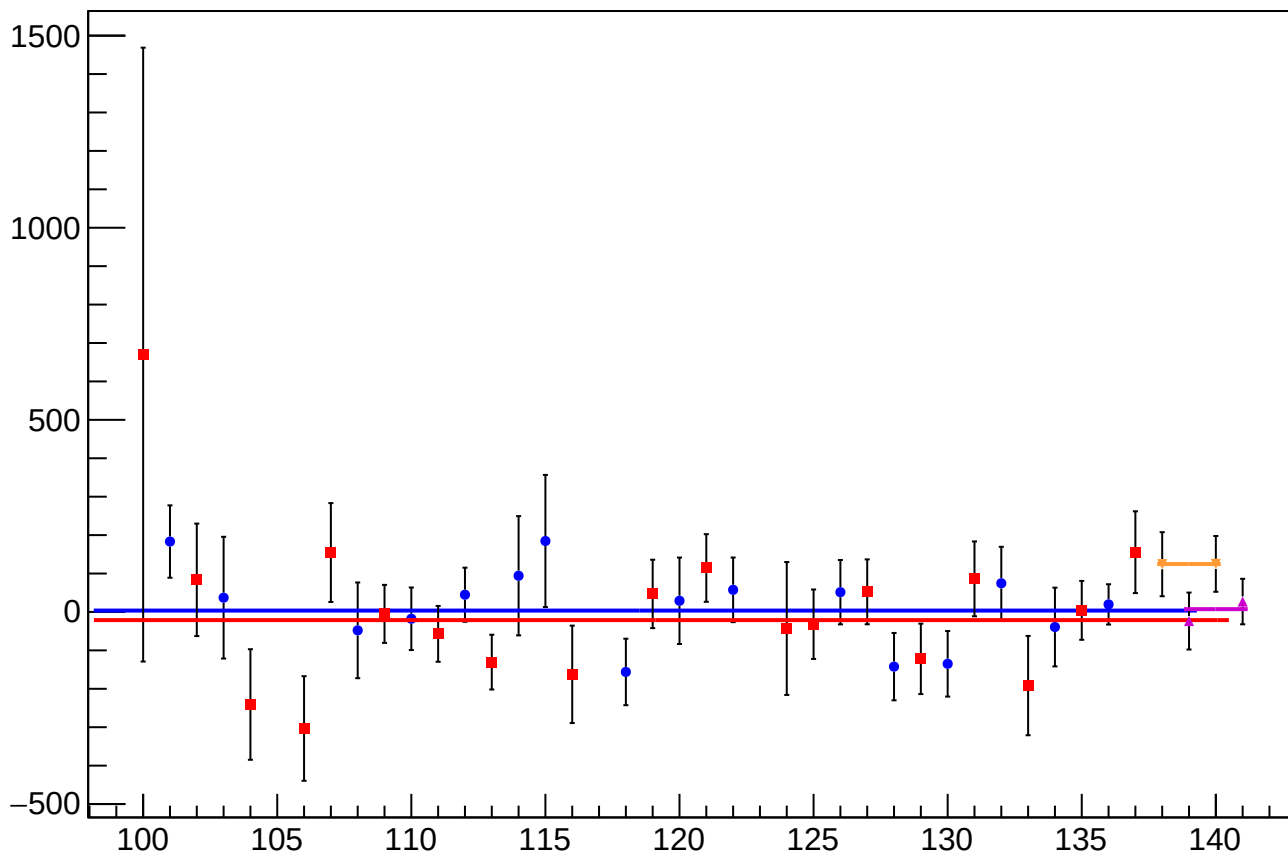
Left In: 388.241+/-0.213 χ^2/NDF : 112091.7/1

+ sign 491.580+/-0.121 χ^2/NDF : 1032470.6/17

All: 492.616+/-0.085 χ^2/NDF : 2133603.5/38

- sign 493.623+/-0.119 χ^2/NDF : 1100988.9/20

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 124.723 ± 54.761 χ^2/NDF : 0.0/1

Right Out: -21.253 ± 22.769 χ^2/NDF : 24.4/18

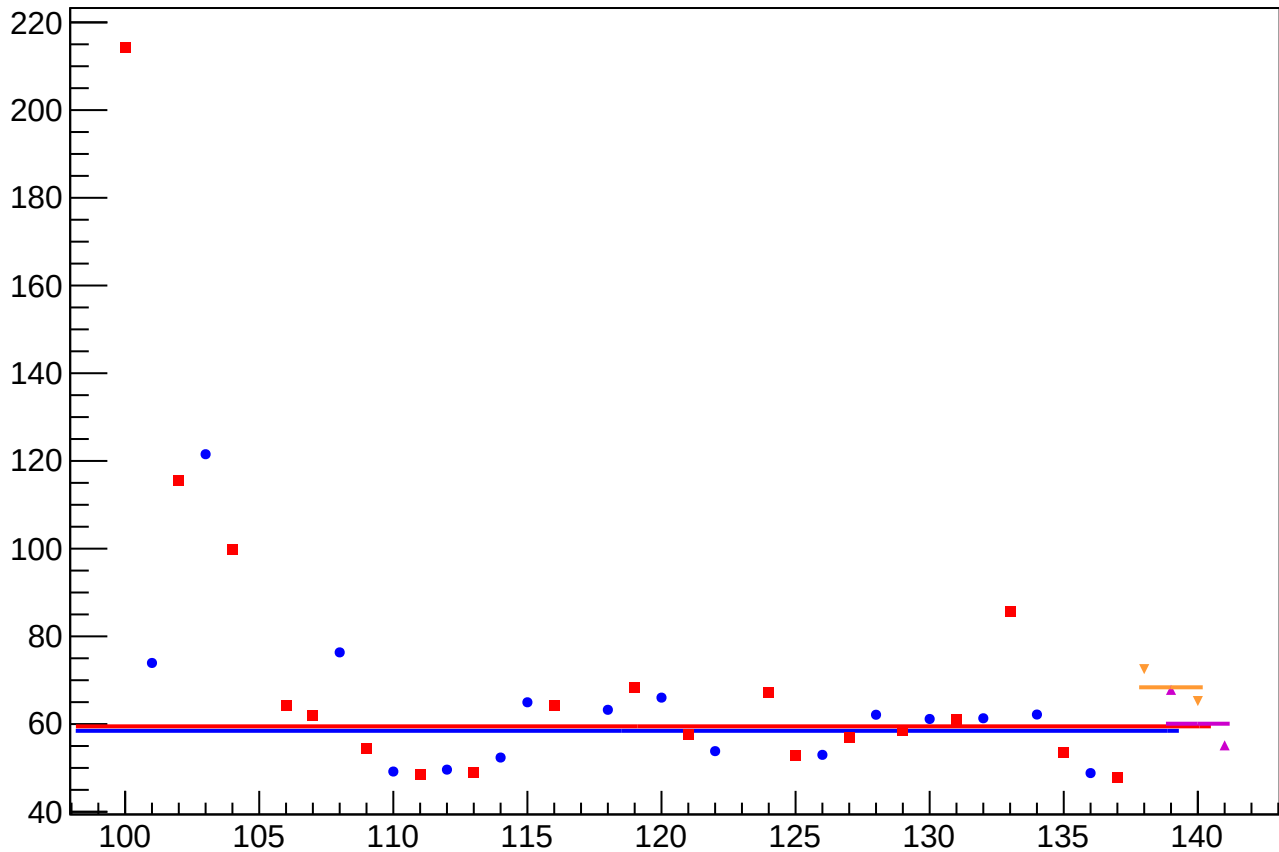
Left In: 7.299 ± 46.254 χ^2/NDF : 0.3/1

+ sign 21.066 ± 20.796 χ^2/NDF : 20.3/17

All: 2.363 ± 14.573 χ^2/NDF : 46.9/38

- sign -15.684 ± 20.428 χ^2/NDF : 25.0/20

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

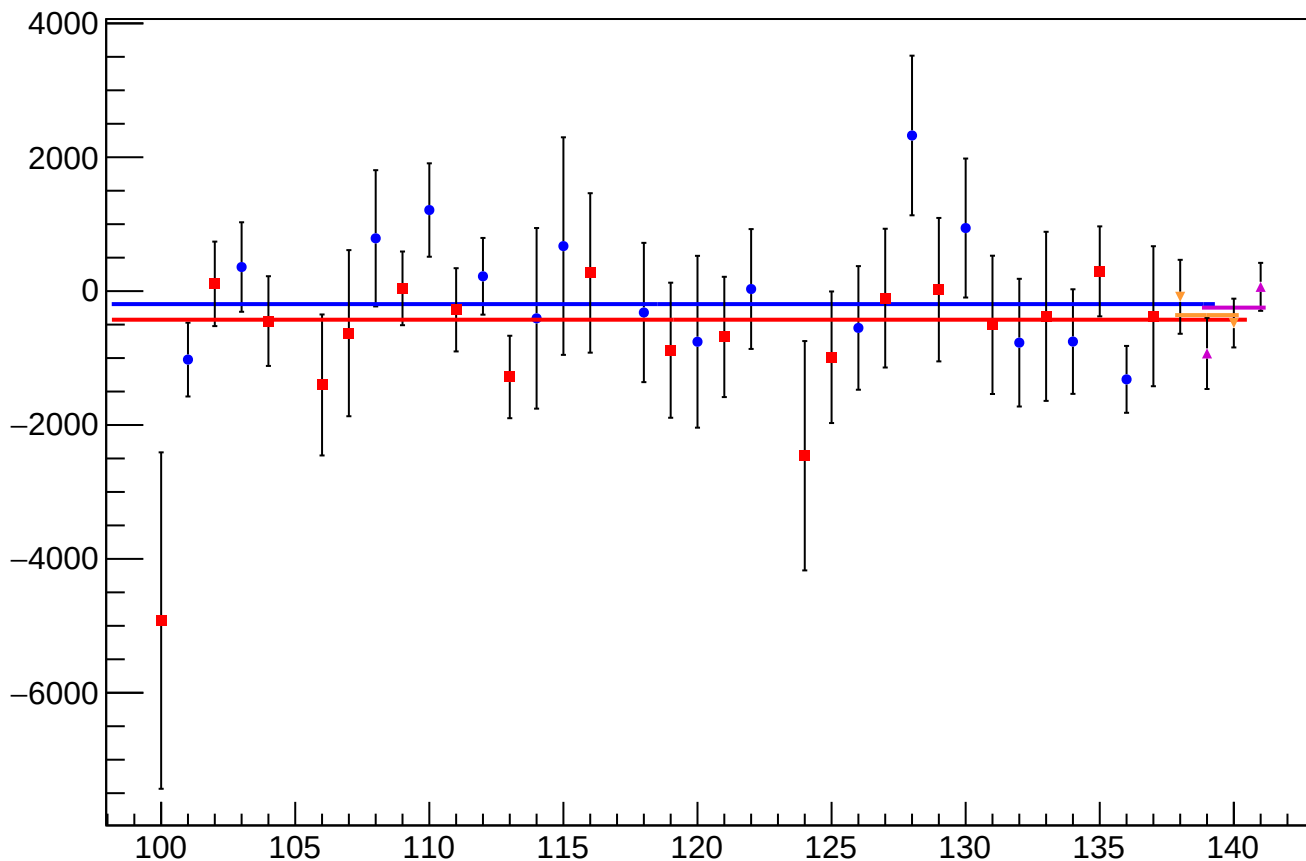
Left In: 60.082 $\pm$ 0.033 χ^2 /NDF: 35587.3/1

+ sign 59.896 $\pm$ 0.015 χ^2 /NDF: 647797.8/17

All: 59.746 $\pm$ 0.010 χ^2 /NDF: 1468739.3/38

- sign 59.601 $\pm$ 0.014 χ^2 /NDF: 820736.3/20

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2 /NDF: 20.8/15

Left Out: -358.036+/-304.137 χ^2 /NDF:0.4/1

Right Out: -426.977+/-197.005 χ^2 /NDF: 11.3/18

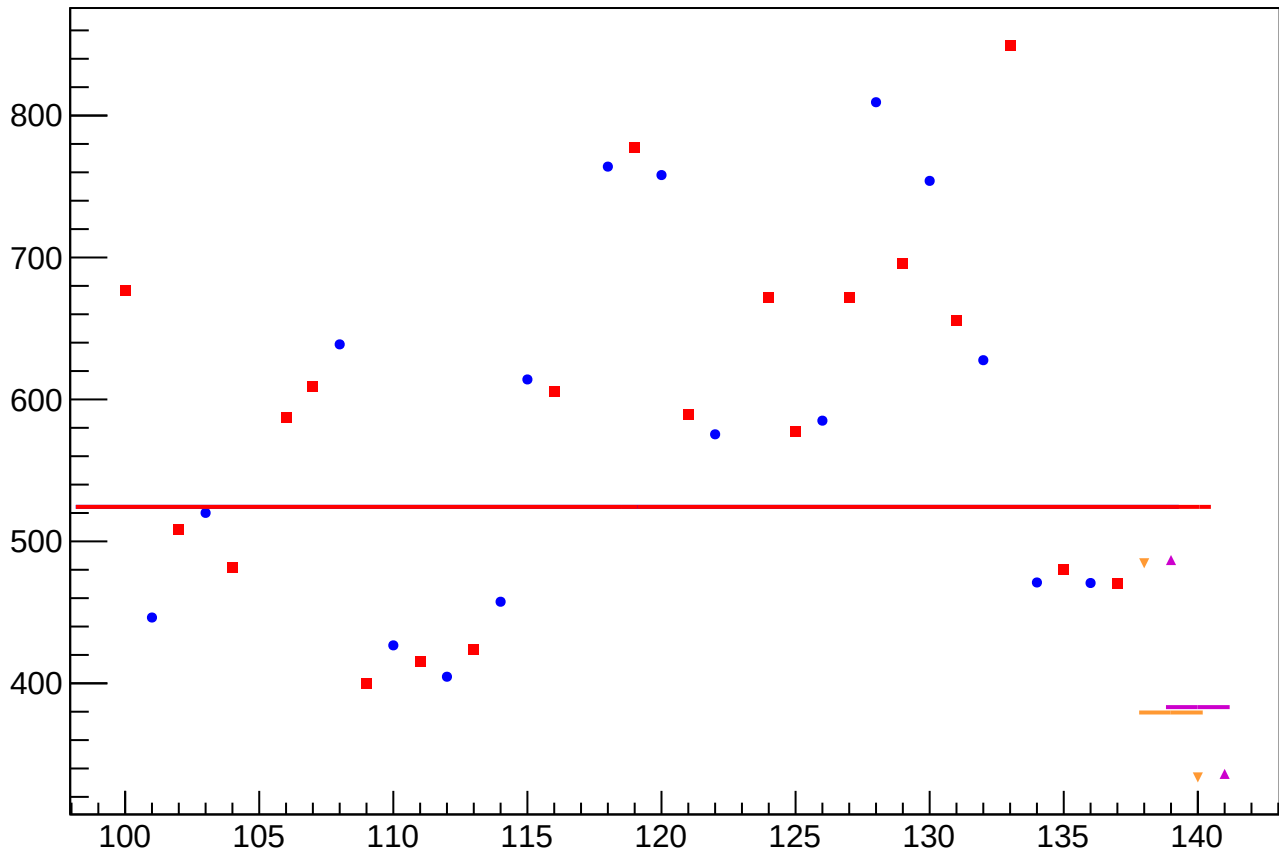
Left In: -246.420+/-297.132 χ^2 /NDF:2.4/1

+ sign -243.659+/-167.458 χ^2 /NDF: 21.3/17

All: -309.012+/-117.239 χ^2 /NDF: 35.6/38

- sign -371.841+/-164.194 χ^2 /NDF: 14.0/20

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF : 658488.5/15

Left Out: 379.444+/-0.215 χ^2/NDF : 103981.1/1

Right Out: 524.306+/-0.139 χ^2/NDF : 686061.2/18

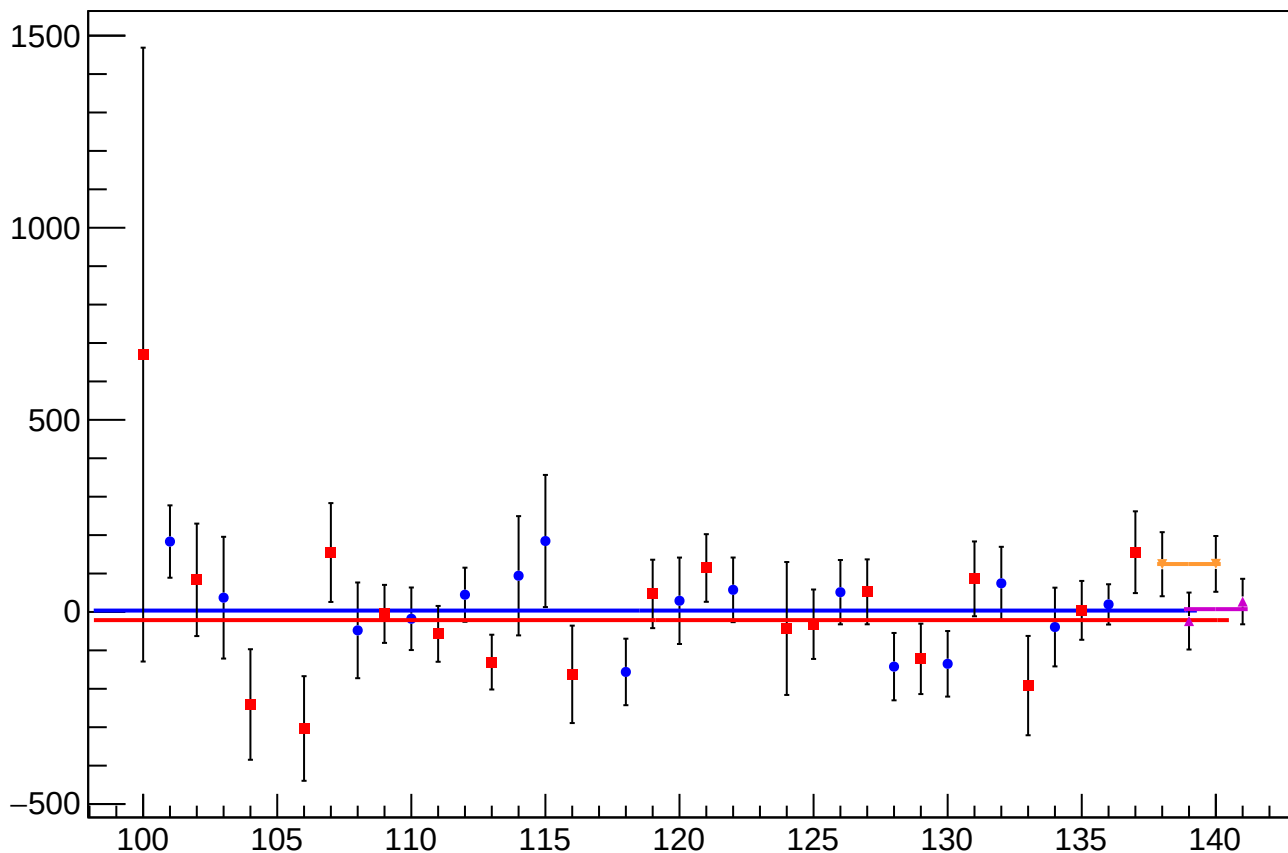
Left In: 383.236+/-0.210 χ^2/NDF : 110429.7/1

+ sign 480.404+/-0.118 χ^2/NDF : 1078738.7/17

All: 480.824+/-0.083 χ^2/NDF : 2188411.0/38

- sign 481.229+/-0.116 χ^2/NDF : 1109647.5/20

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 124.723 ± 54.761 χ^2/NDF : 0.0/1

Right Out: -21.251 ± 22.769 χ^2/NDF : 24.4/18

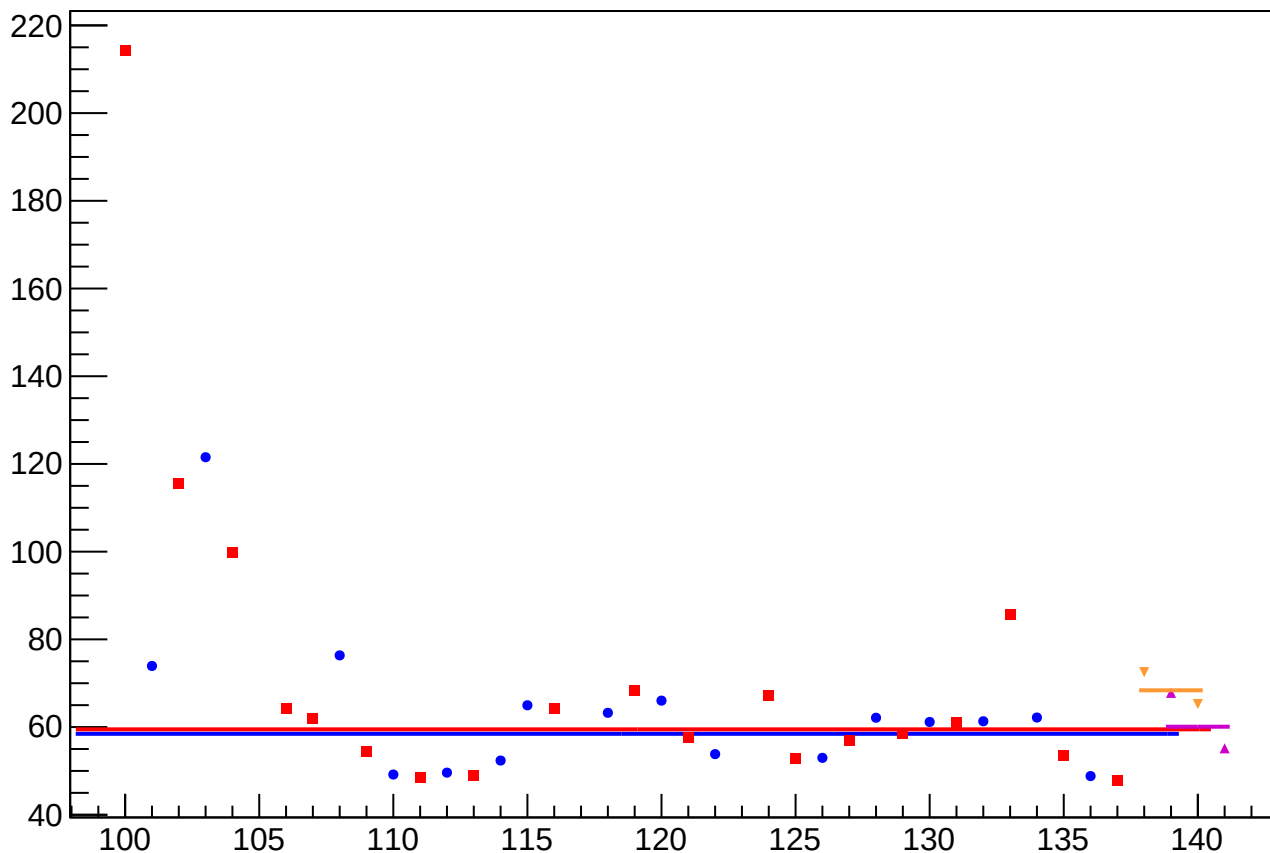
Left In: 7.298 ± 46.254 χ^2/NDF : 0.3/1

+ sign 21.065 ± 20.796 χ^2/NDF : 20.3/17

All: 2.363 ± 14.573 χ^2/NDF : 46.9/38

- sign -15.683 ± 20.428 χ^2/NDF : 25.0/20

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

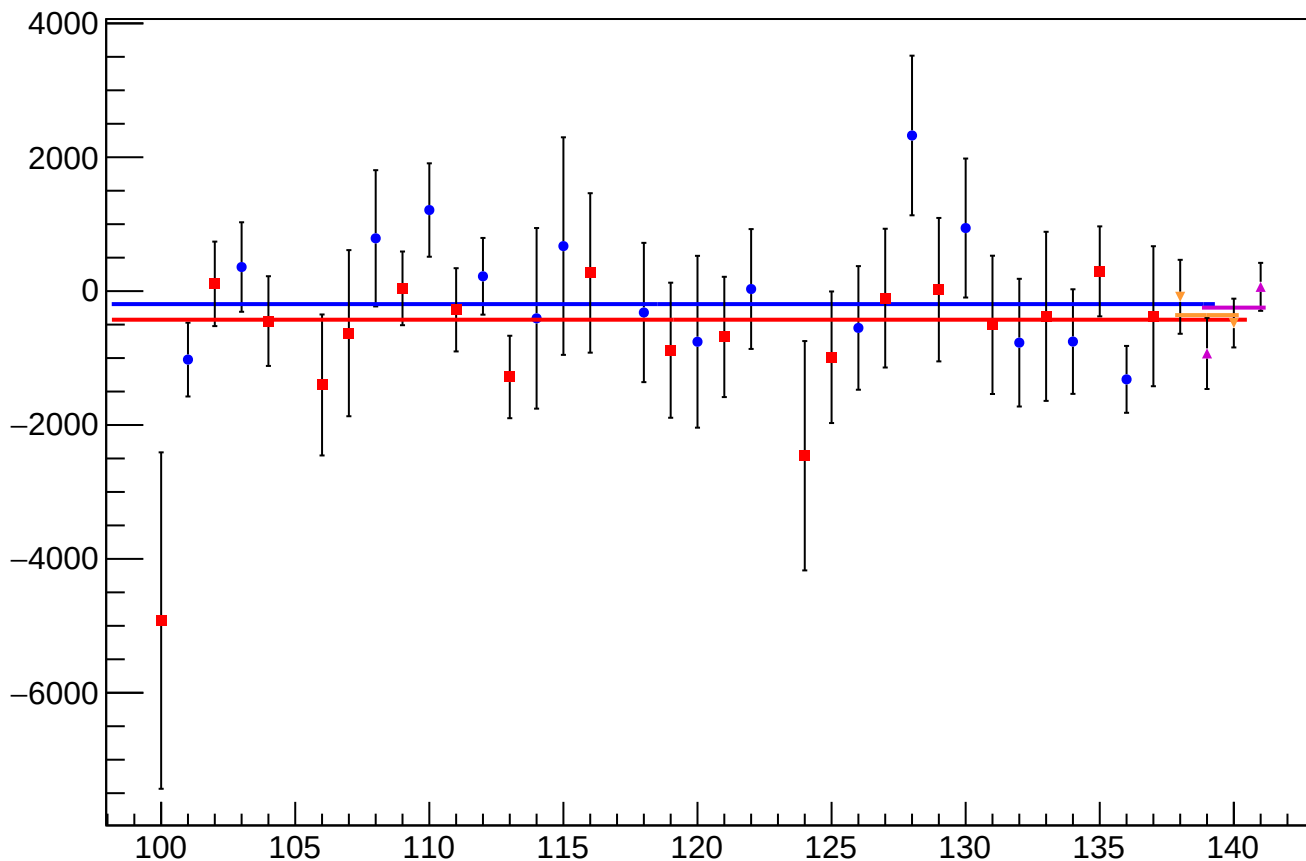
Left In: 60.082 $\pm$ 0.033 χ^2 /NDF: 35585.8/1

+ sign 59.896 $\pm$ 0.015 χ^2 /NDF: 647795.2/17

All: 59.746 $\pm$ 0.010 χ^2 /NDF: 1468735.4/38

- sign 59.601 $\pm$ 0.014 χ^2 /NDF: 820735.0/20

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

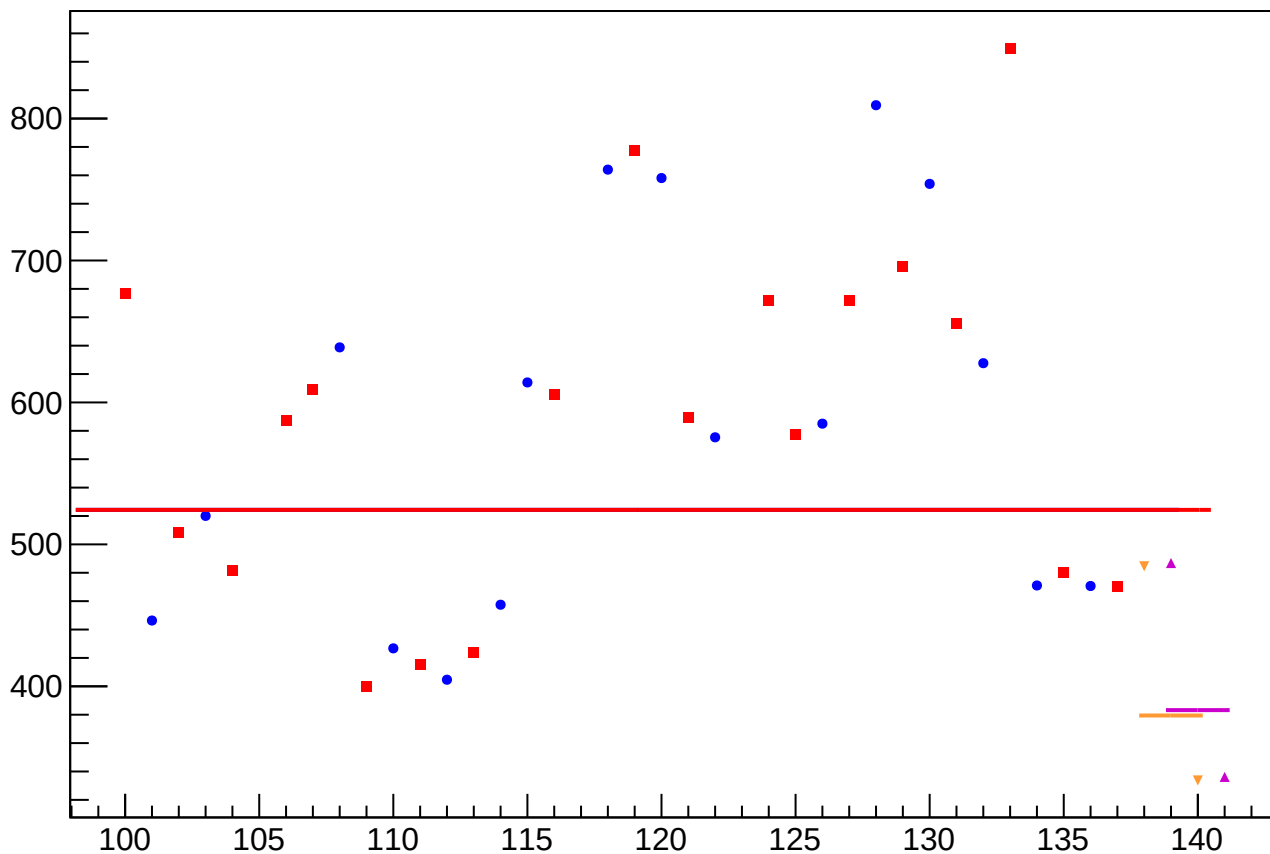
Left In: -246.420+/-297.132 χ^2/NDF : 2.4/1

+ sign -243.658+/-167.458 χ^2/NDF : 21.3/17

All: -309.011+/-117.239 χ^2/NDF : 35.6/38

- sign -371.841+/-164.194 χ^2/NDF : 14.0/20

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

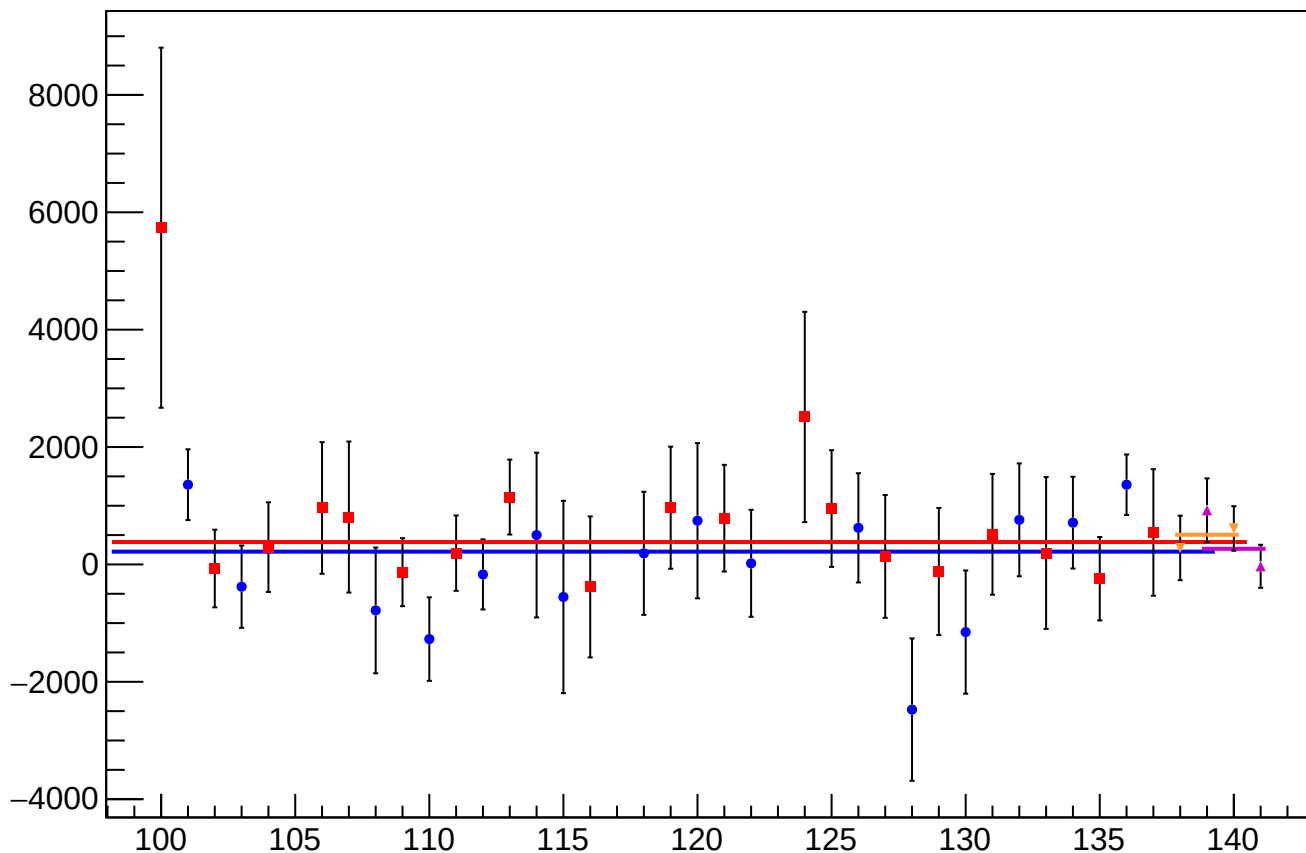
Left In: 383.236+/-0.210 χ^2/NDF : 110430.0/1

+ sign 480.403+/-0.118 χ^2/NDF : 1078739.7/17

All: 480.824+/-0.083 χ^2/NDF : 2188409.8/38

- sign 481.228+/-0.116 χ^2/NDF : 1109645.3/20

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

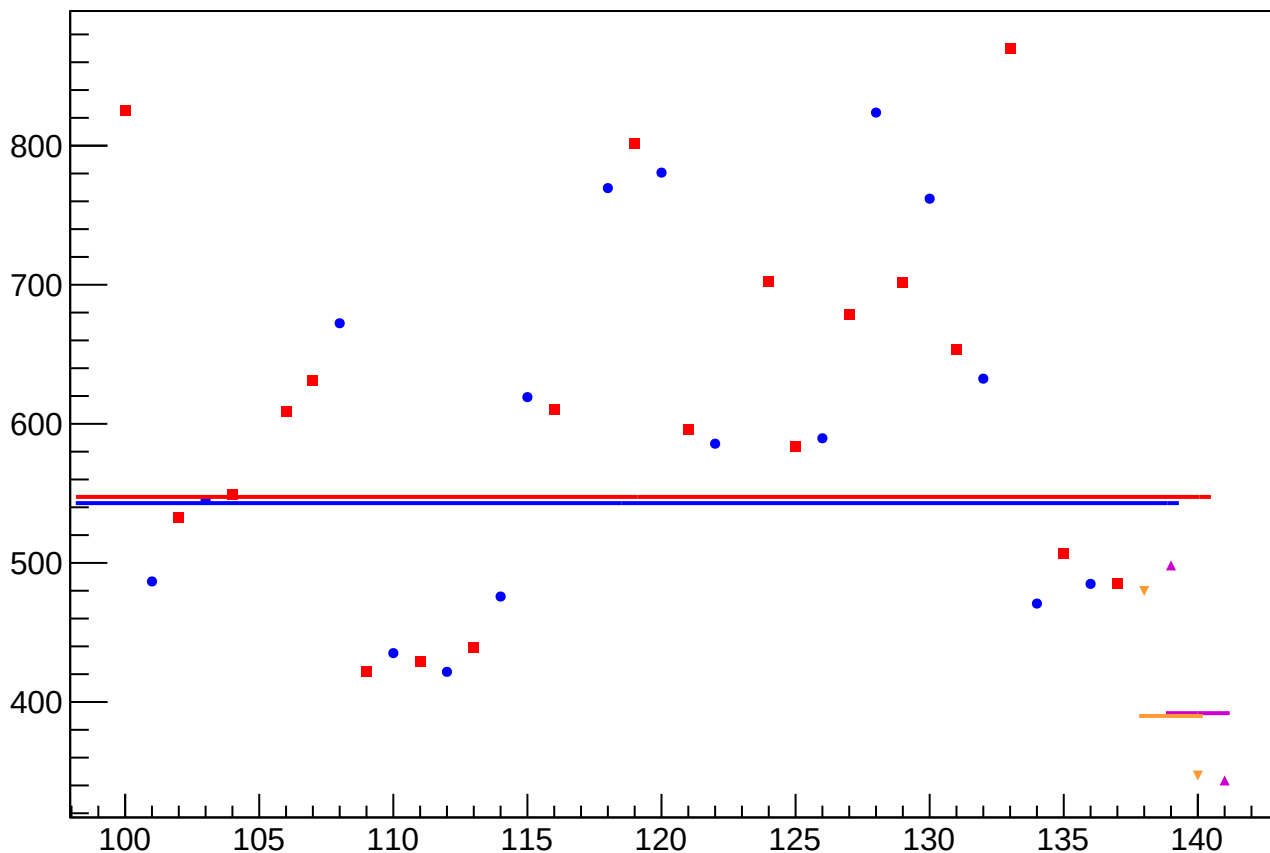
Left In: 266.432 $\pm$ 304.029 χ^2 /NDF:2.1/1

+ sign 305.799 $\pm$ 172.834 χ^2 /NDF: 23.7/17

All: 326.006 $\pm$ 121.308 χ^2 /NDF: 36.0/38

- sign 345.625 $\pm$ 170.304 χ^2 /NDF: 12.2/20

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

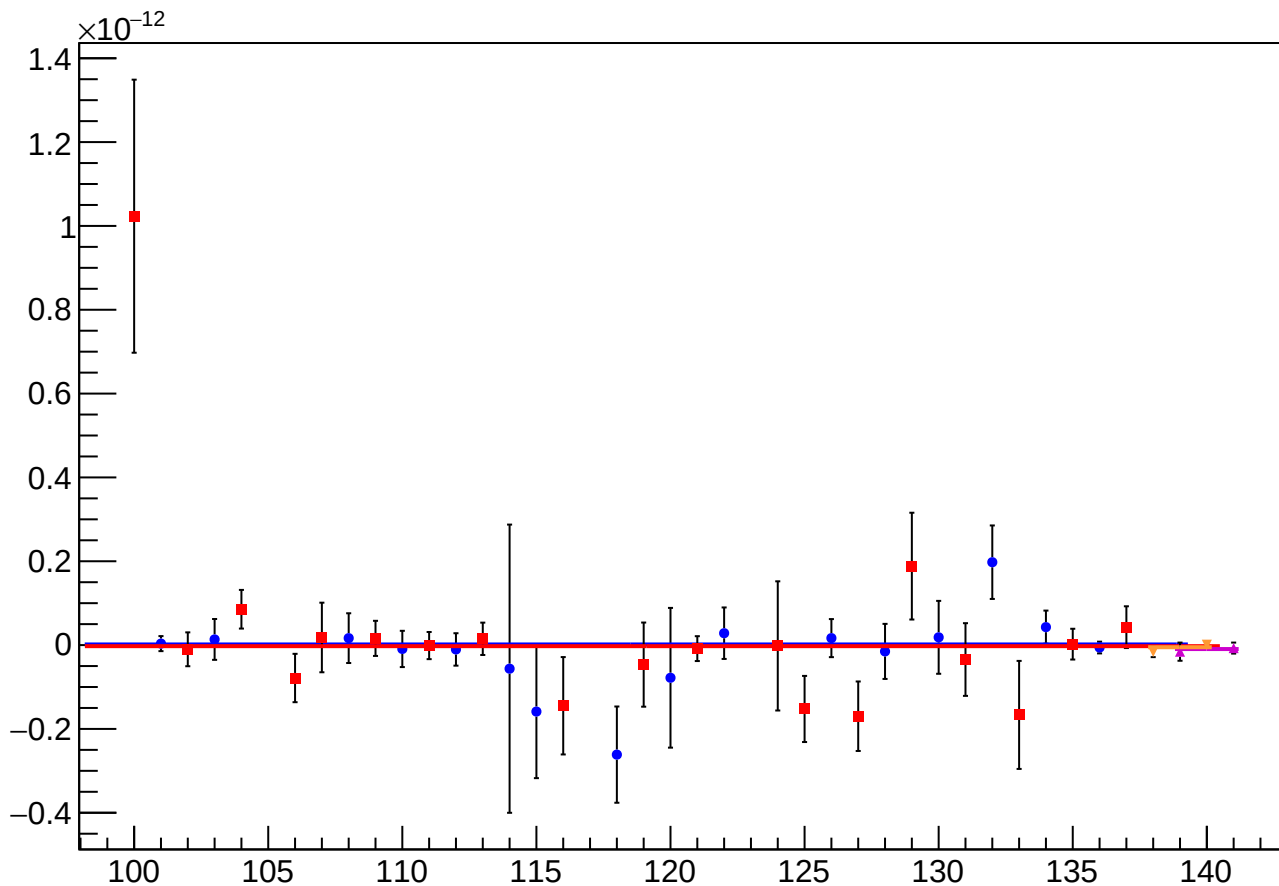
Left In: 391.976 $\pm$ 0.215 χ^2 /NDF: 111214.5/1

+ sign 496.146 $\pm$ 0.122 χ^2 /NDF: 1017340.9/17

All: 497.430 $\pm$ 0.086 χ^2 /NDF: 2118030.1/38

- sign 498.676 $\pm$ 0.120 χ^2 /NDF: 1100471.9/20

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

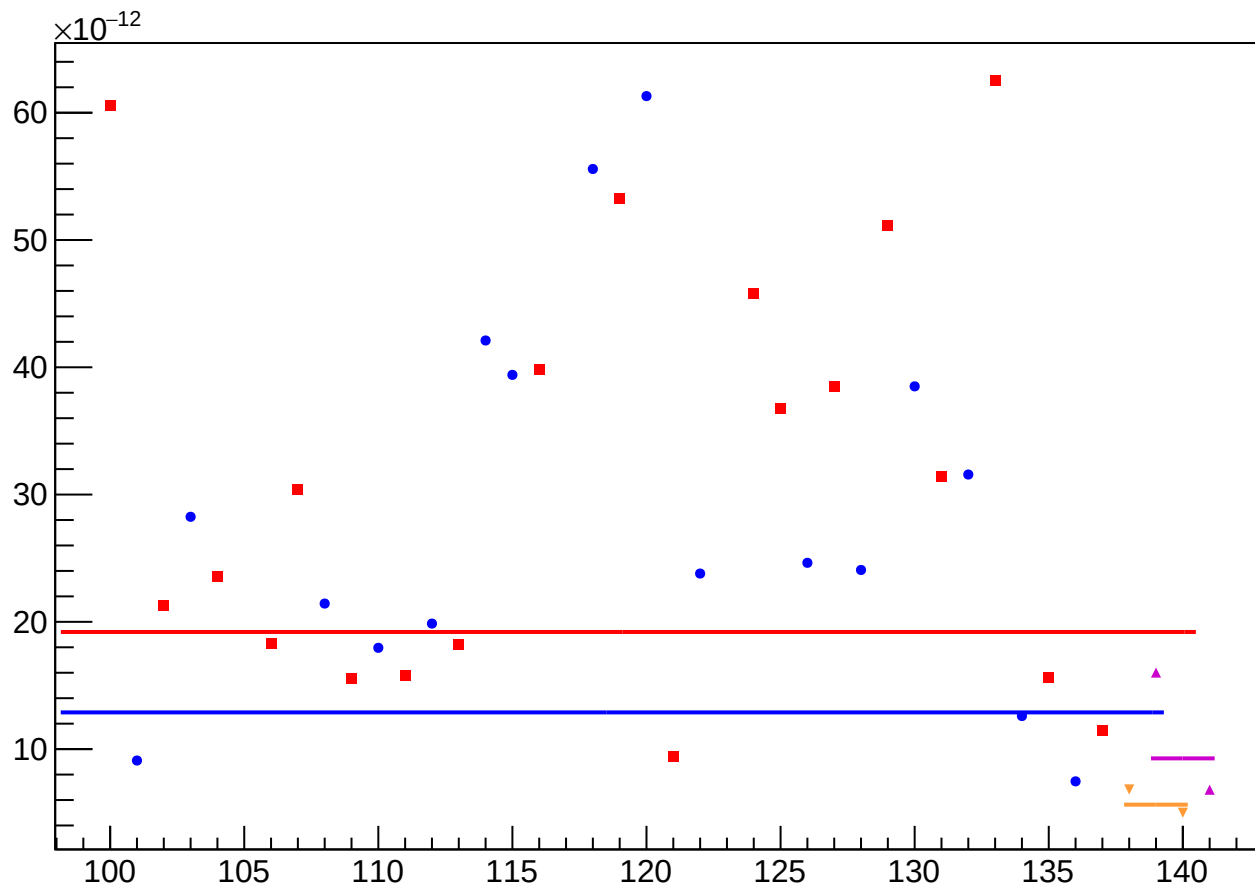
Left In: -0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 15.2/17

All: -0.000+/-0.000 χ^2/NDF : 45.7/38

- sign -0.000+/-0.000 χ^2/NDF : 30.3/20

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

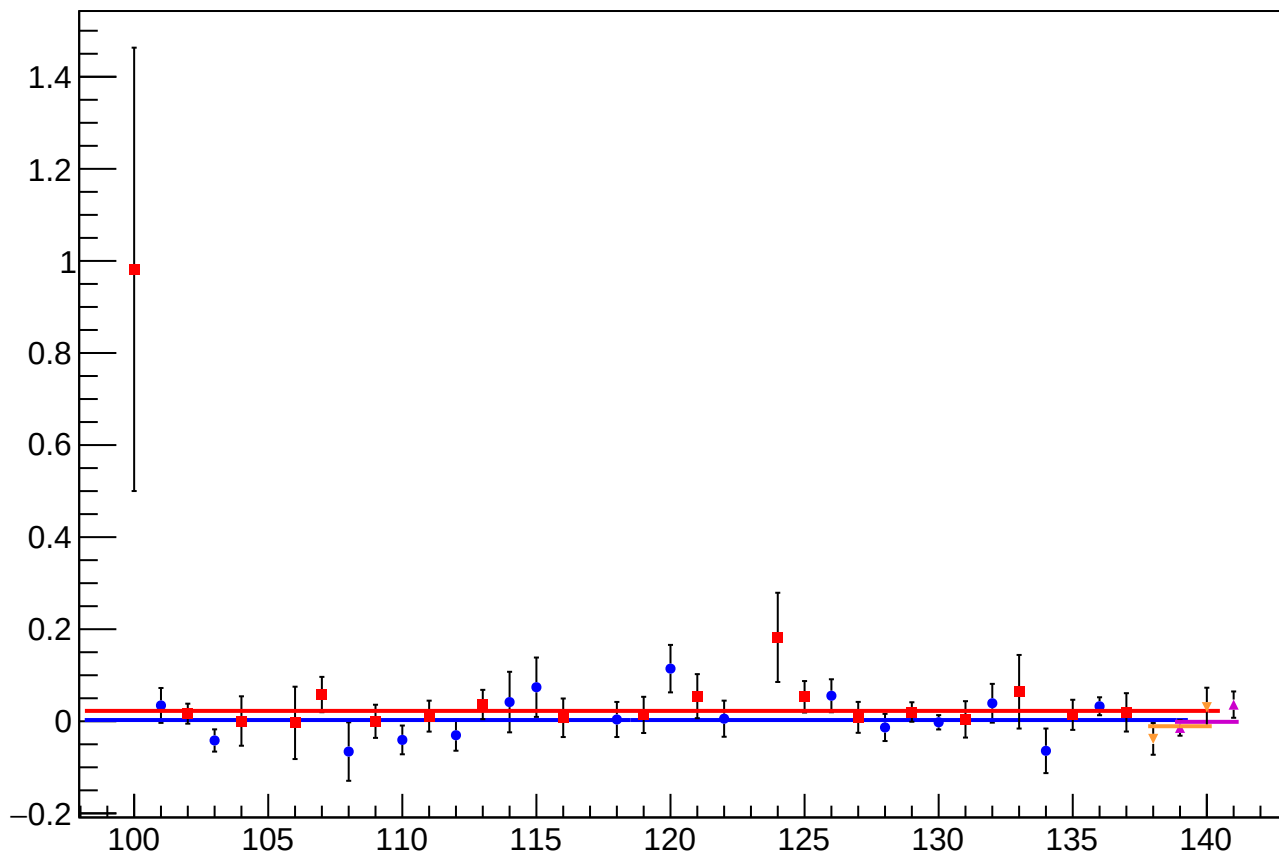
Left In: 0.000+/-0.000 χ^2/NDF : 263607.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2560664.6/17

All: 0.000+/-0.000 χ^2/NDF : 5488186.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2353413.4/20

asym_sam_1357_avg_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

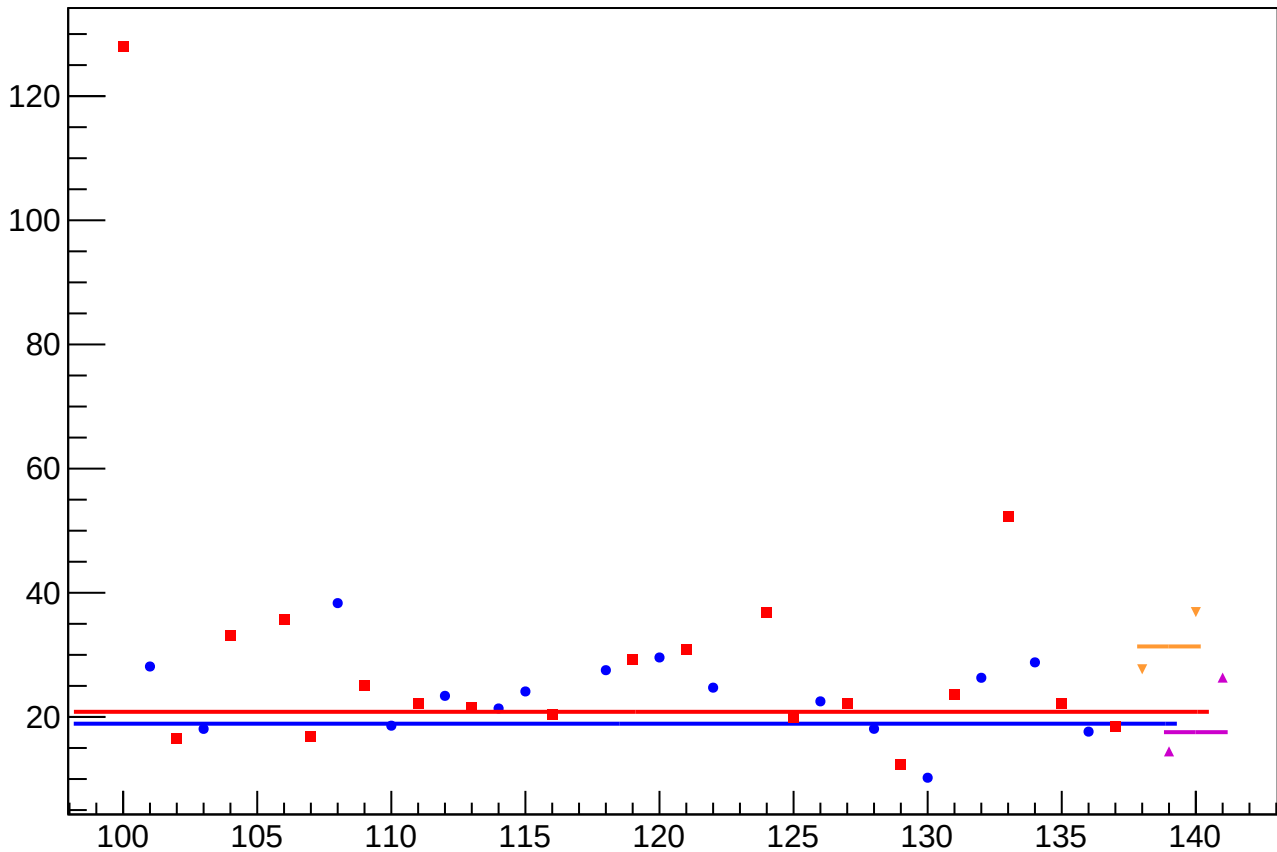
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF:2.3/1

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 23.8/17

All: 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/38

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911 ± 0.006 χ^2/NDF : 1390349.2/15

Left Out: 31.355 ± 0.019 χ^2/NDF : 56982.9/1

Right Out: 20.826 ± 0.006 χ^2/NDF : 1291541.1/18

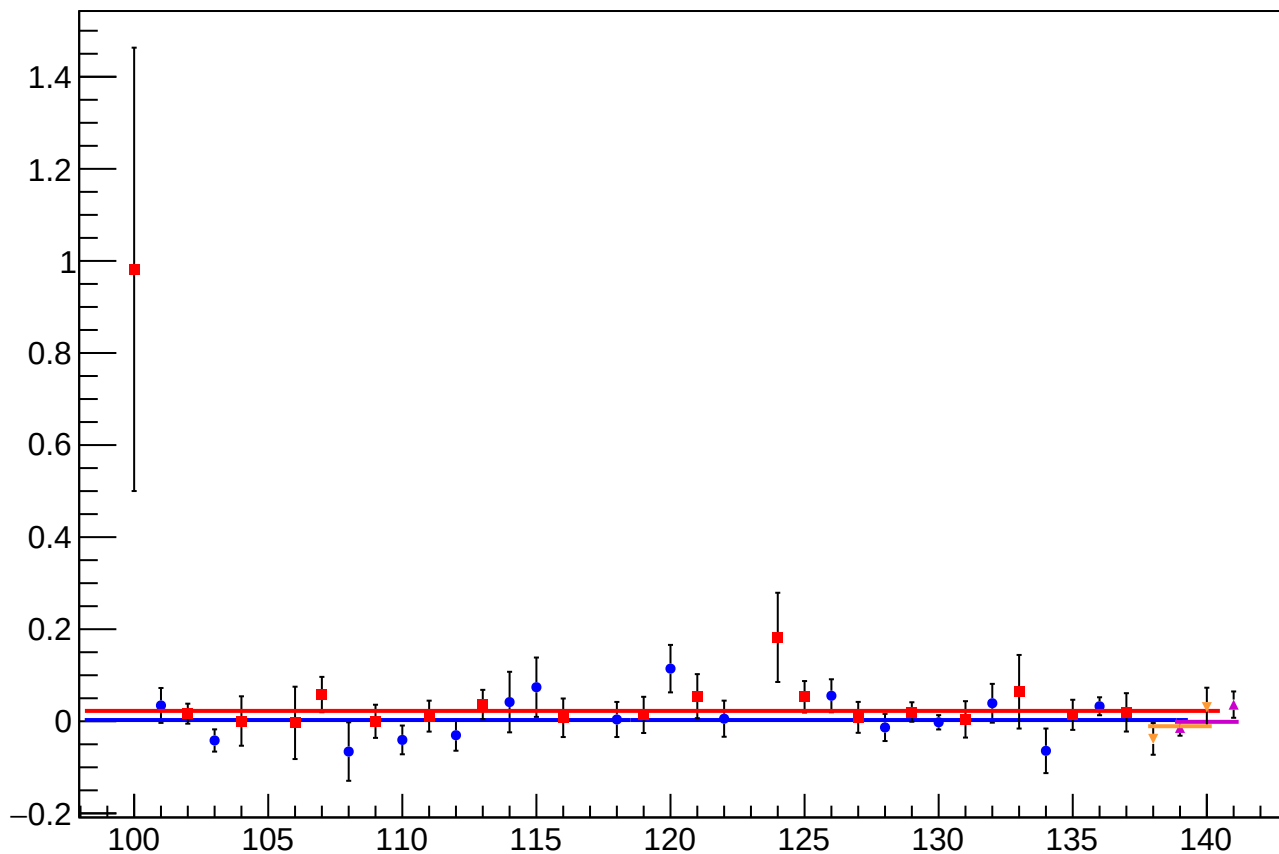
Left In: 17.547 ± 0.010 χ^2/NDF : 255500.4/1

+ sign 19.888 ± 0.005 χ^2/NDF : 1846480.8/17

All: 19.947 ± 0.004 χ^2/NDF : 3469460.9/38

- sign 20.002 ± 0.005 χ^2/NDF : 1622741.5/20

asym_sam_1357_avg_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

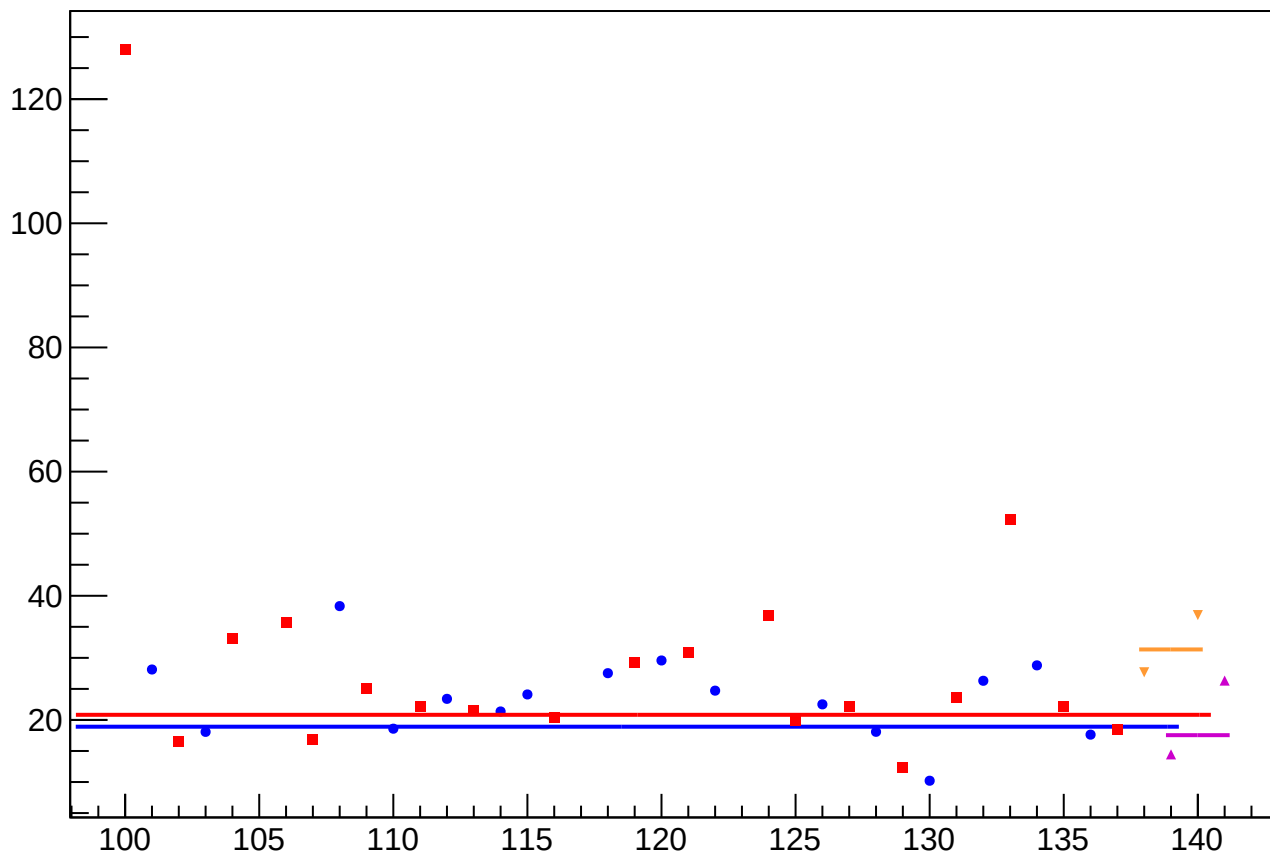
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 23.8/17

All: 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/38

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911 $\pm$ 0.006 χ^2 /NDF: 1390349.2/15

Left Out: 31.355 $\pm$ 0.019 χ^2 /NDF: 56982.9/1

Right Out: 20.826 $\pm$ 0.006 χ^2 /NDF: 1291541.1/18

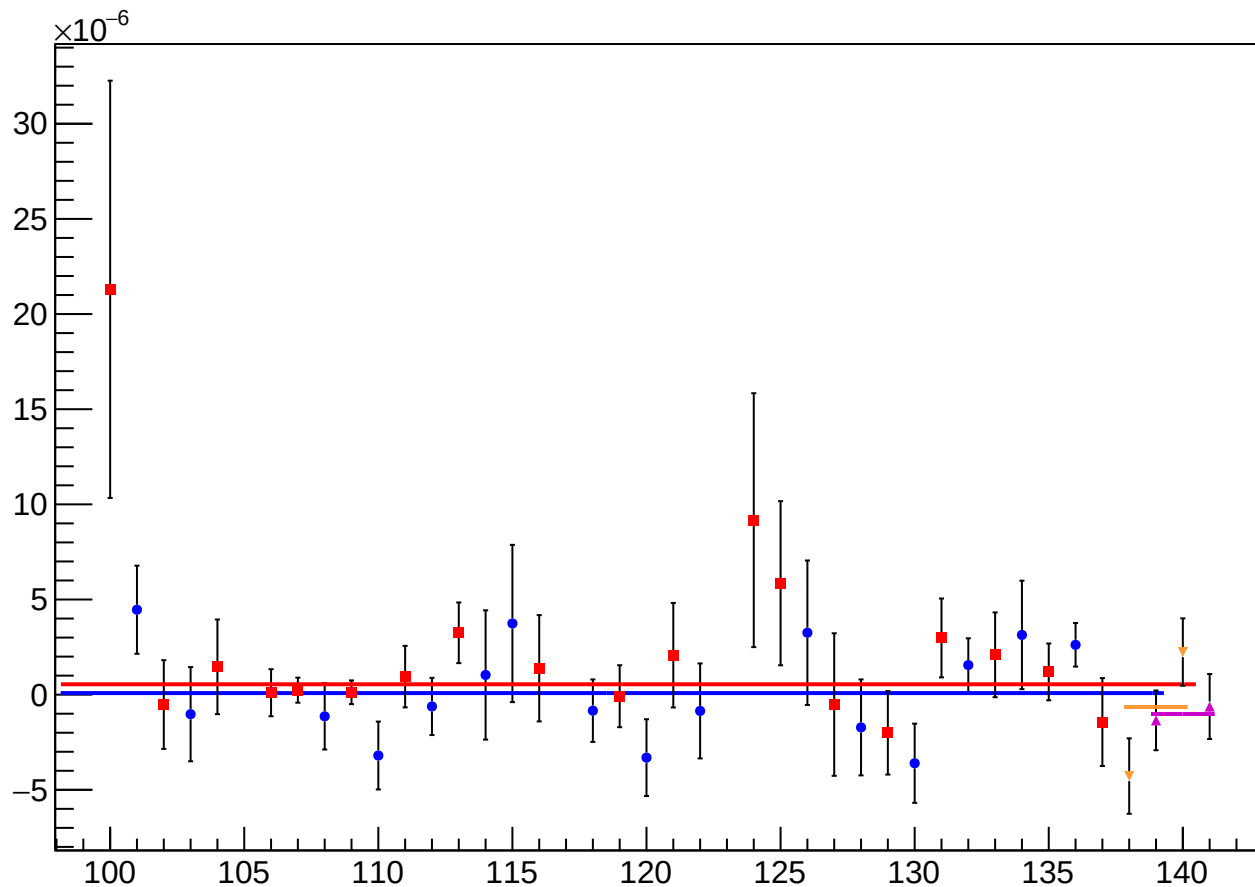
Left In: 17.547 $\pm$ 0.010 χ^2 /NDF: 255500.4/1

+ sign 19.888 $\pm$ 0.005 χ^2 /NDF: 1846480.8/17

All: 19.947 $\pm$ 0.004 χ^2 /NDF: 3469460.9/38

- sign 20.002 $\pm$ 0.005 χ^2 /NDF: 1622741.5/20

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 6.0/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

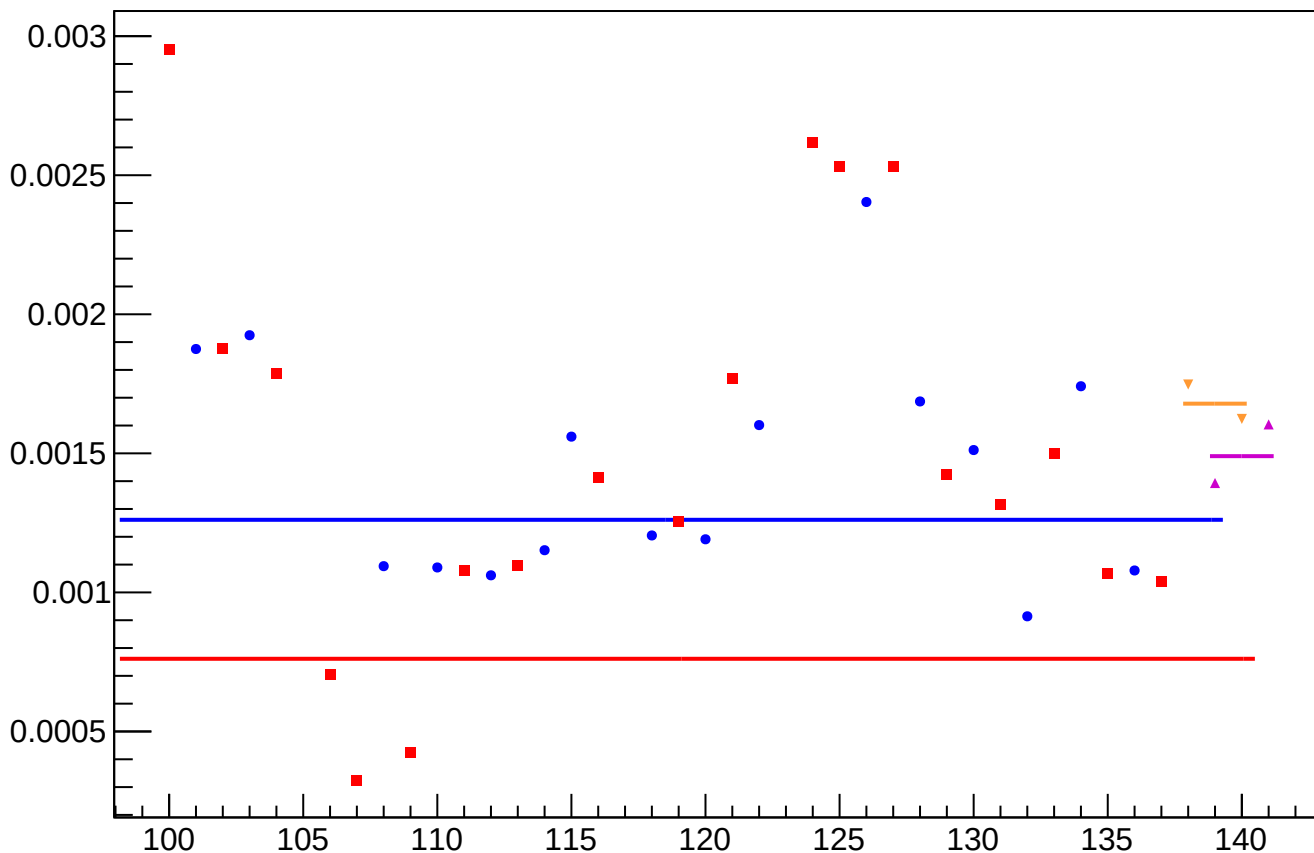
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/20

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

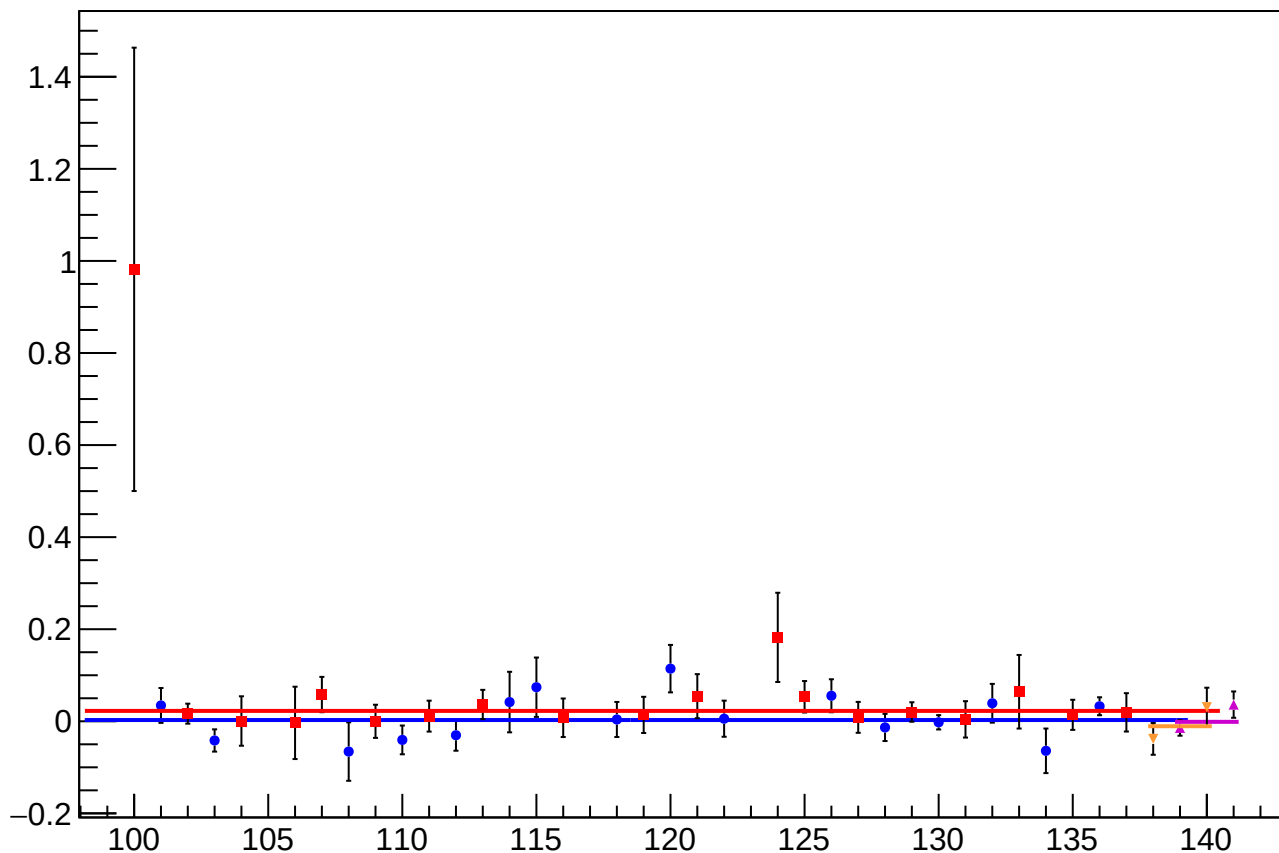
Left In: 0.001+/-0.000 χ^2/NDF :16520.5/1

+ sign 0.001+/-0.000 χ^2/NDF : 1087708.9/17

All: 0.001+/-0.000 χ^2/NDF : 8049950.1/38

- sign 0.001+/-0.000 χ^2/NDF : 5421824.6/20

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

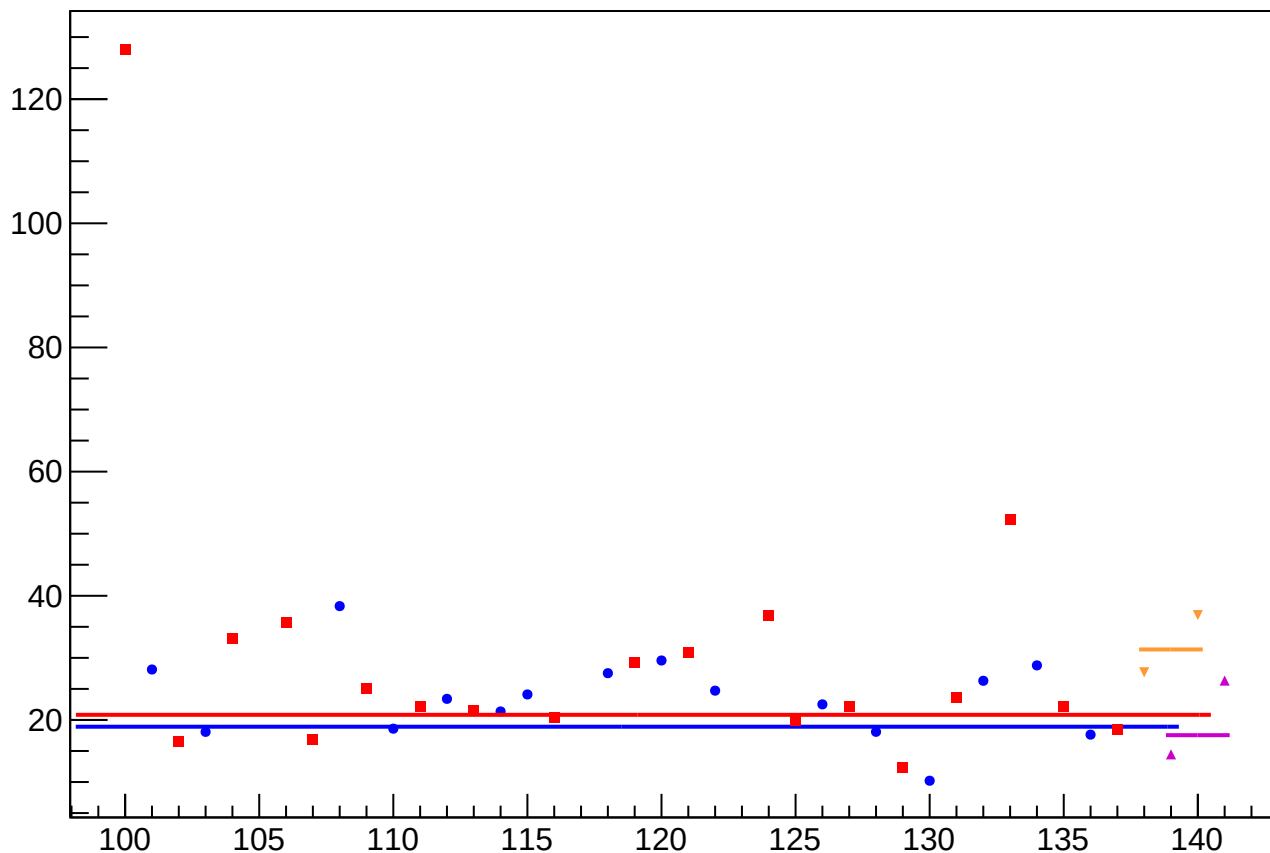
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 23.8/17

All: 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/38

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF : 1390233.4/15

Left Out: 31.356+/-0.019 χ^2/NDF : 56984.2/1

Right Out: 20.827+/-0.006 χ^2/NDF : 1291537.3/18

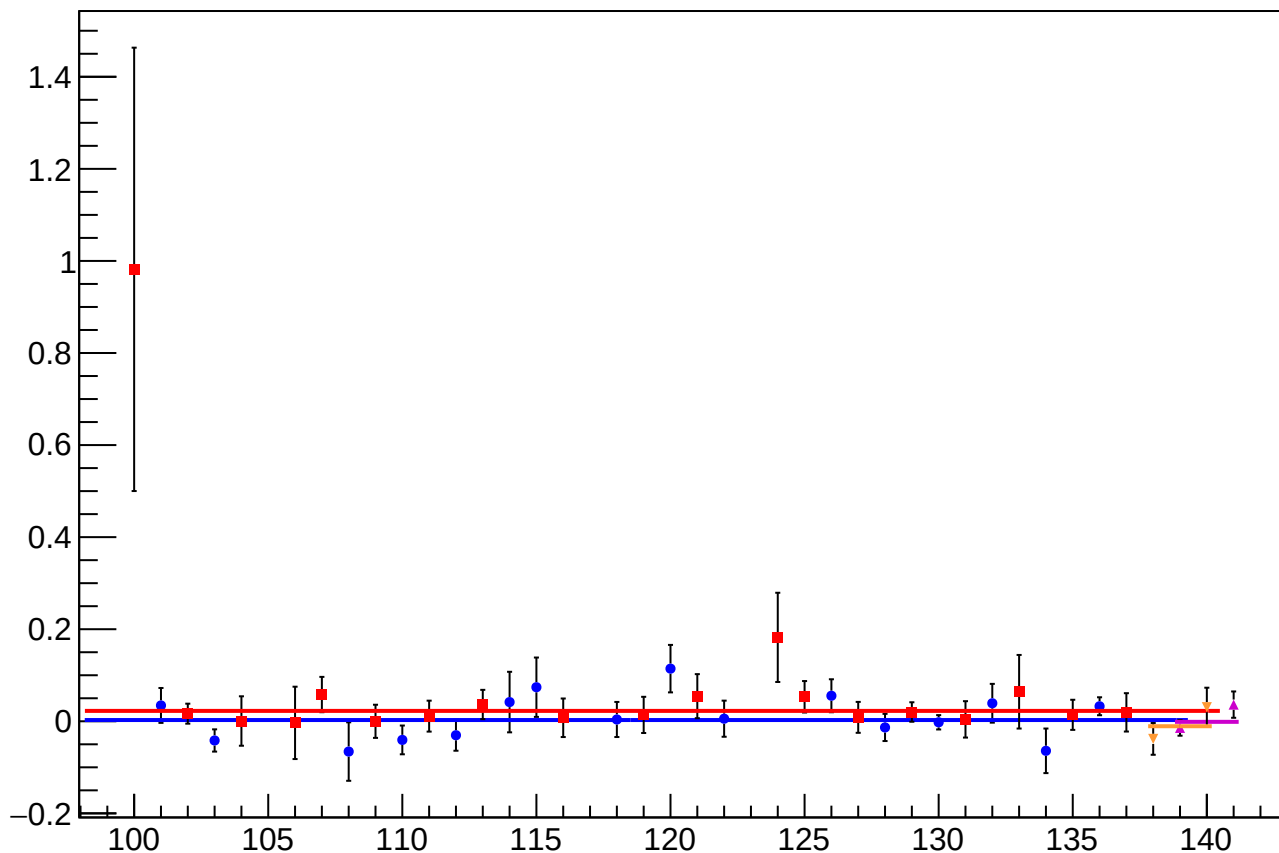
Left In: 17.548+/-0.010 χ^2/NDF : 255485.3/1

+ sign 19.889+/-0.005 χ^2/NDF : 1846362.4/17

All: 19.947+/-0.004 χ^2/NDF : 3469295.2/38

- sign 20.003+/-0.005 χ^2/NDF : 1622694.4/20

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

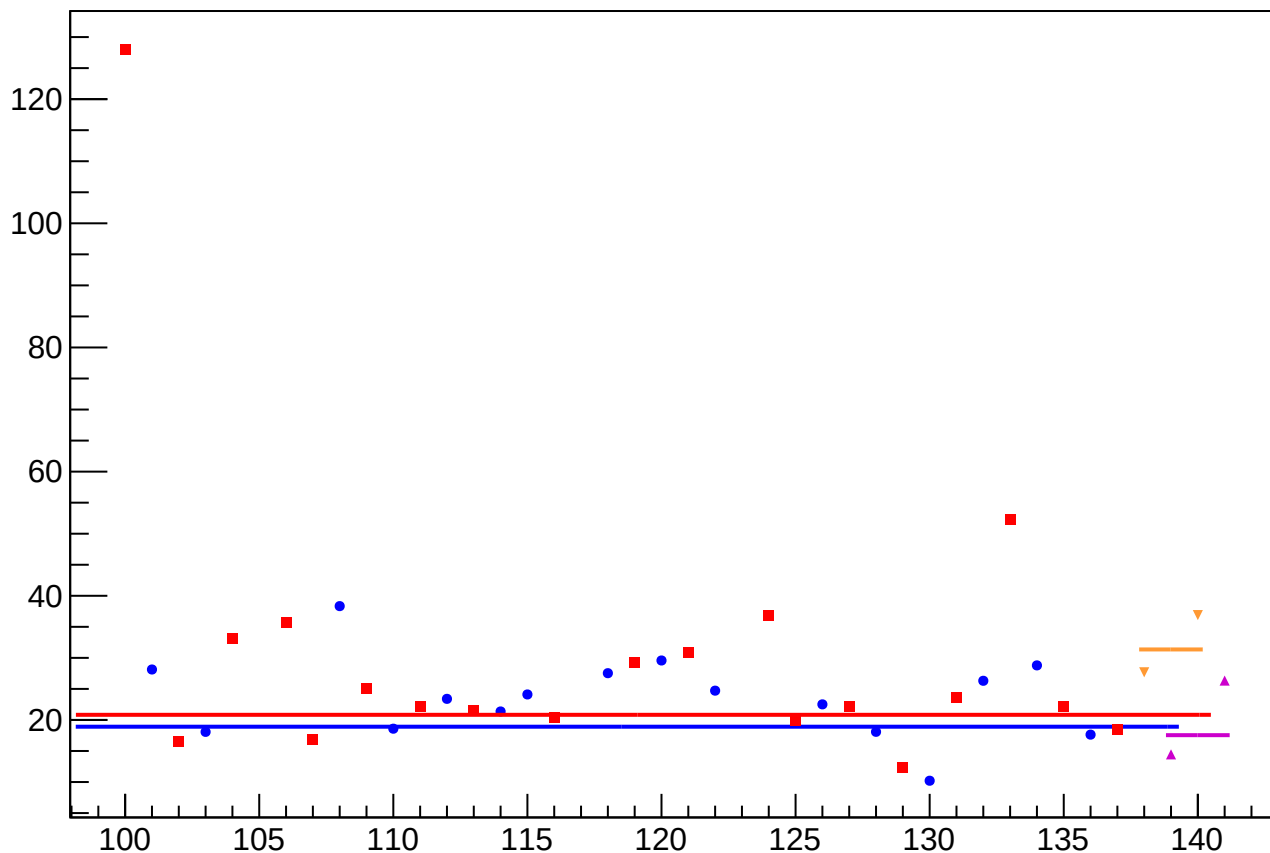
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign 0.002 $\pm$ 0.007 χ^2 /NDF: 23.8/17

All: 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/38

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.912 $\pm$ 0.006 χ^2 /NDF: 1390233.4/15

Left Out: 31.356 $\pm$ 0.019 χ^2 /NDF: 56984.2/1

Right Out: 20.827 $\pm$ 0.006 χ^2 /NDF: 1291537.3/18

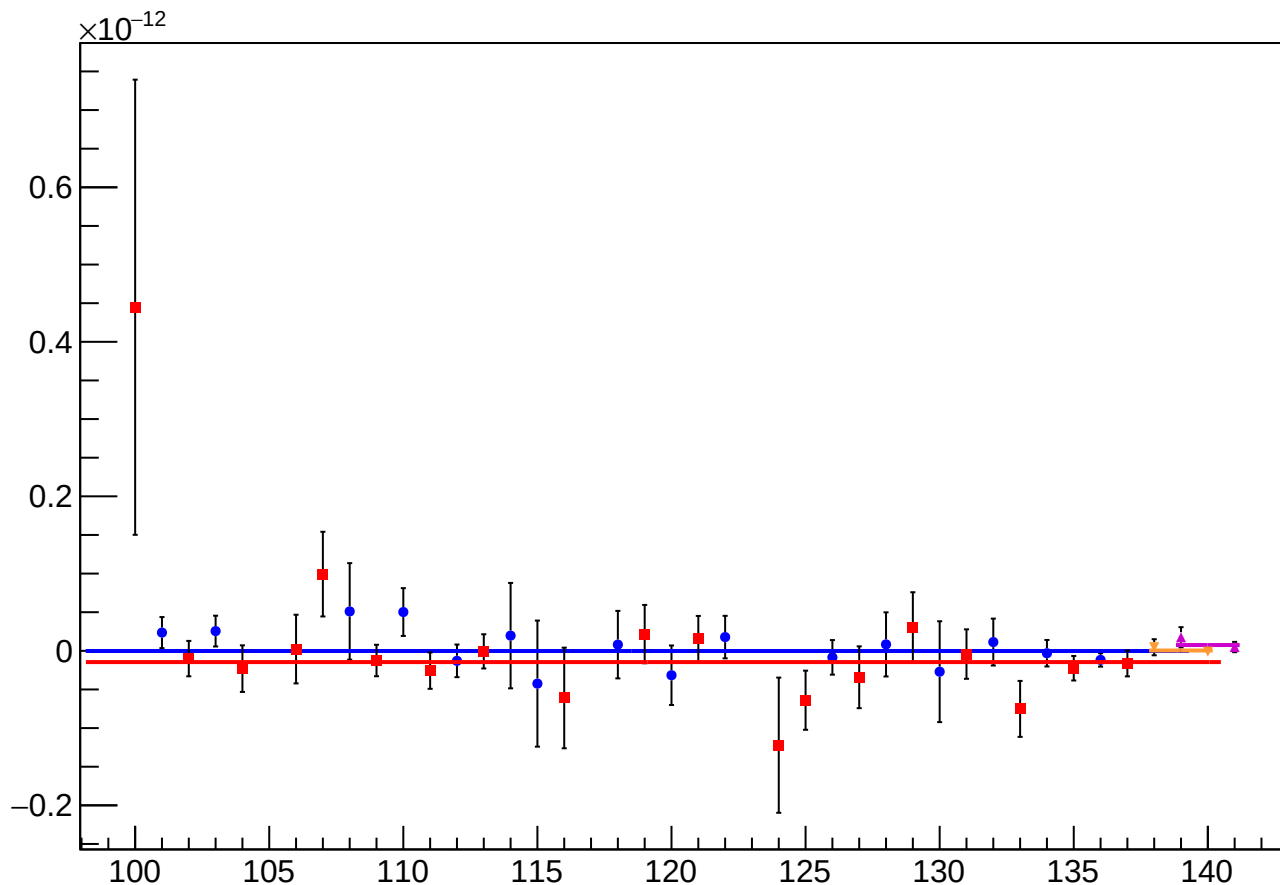
Left In: 17.548 $\pm$ 0.010 χ^2 /NDF: 255485.3/1

+ sign 19.889 $\pm$ 0.005 χ^2 /NDF: 1846362.4/17

All: 19.947 $\pm$ 0.004 χ^2 /NDF: 3469295.2/38

- sign 20.003 $\pm$ 0.005 χ^2 /NDF: 1622694.4/20

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

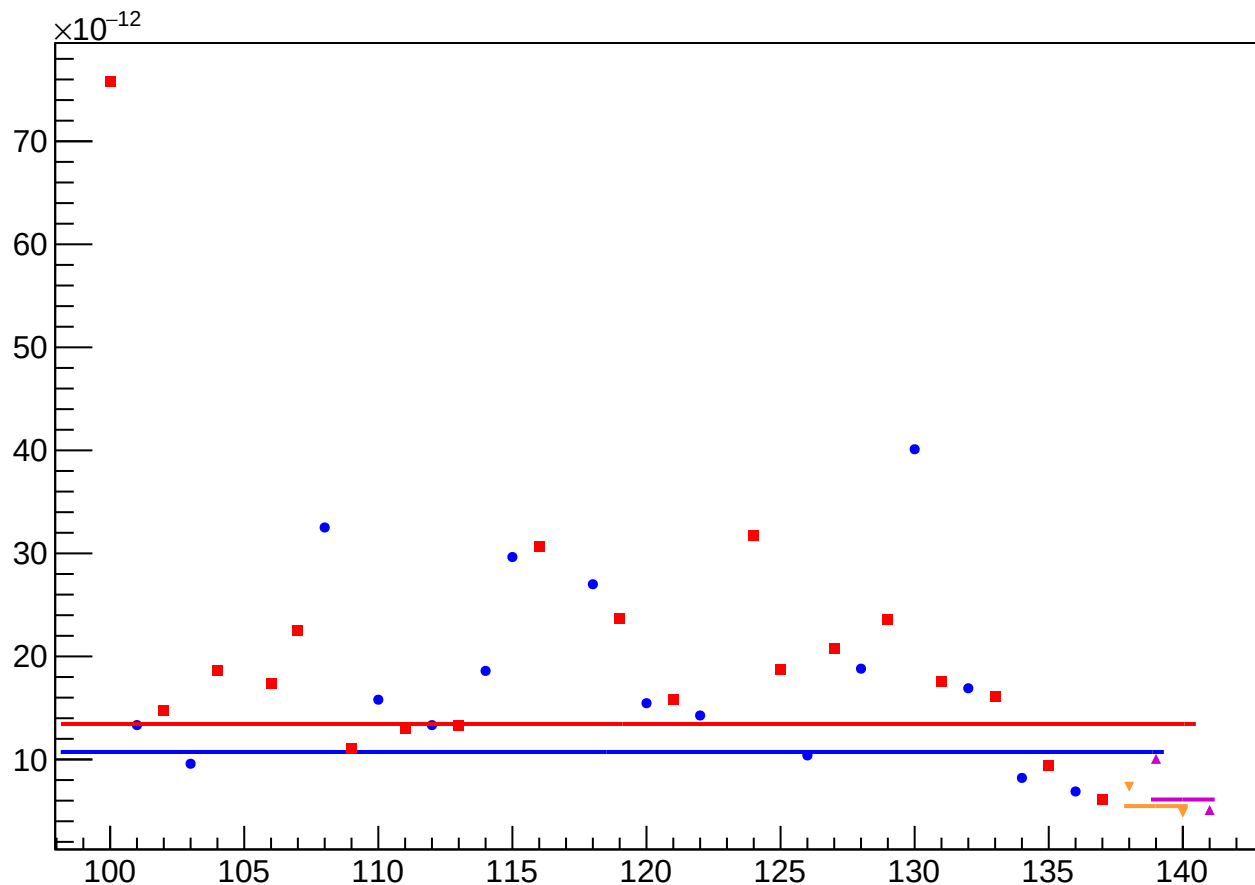
Left In: 0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign 0.000 ± 0.000 χ^2/NDF : 10.7/17

All: -0.000 ± 0.000 χ^2/NDF : 35.5/38

- sign -0.000 ± 0.000 χ^2/NDF : 24.6/20

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1836547.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:87321.7/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1402984.9/18

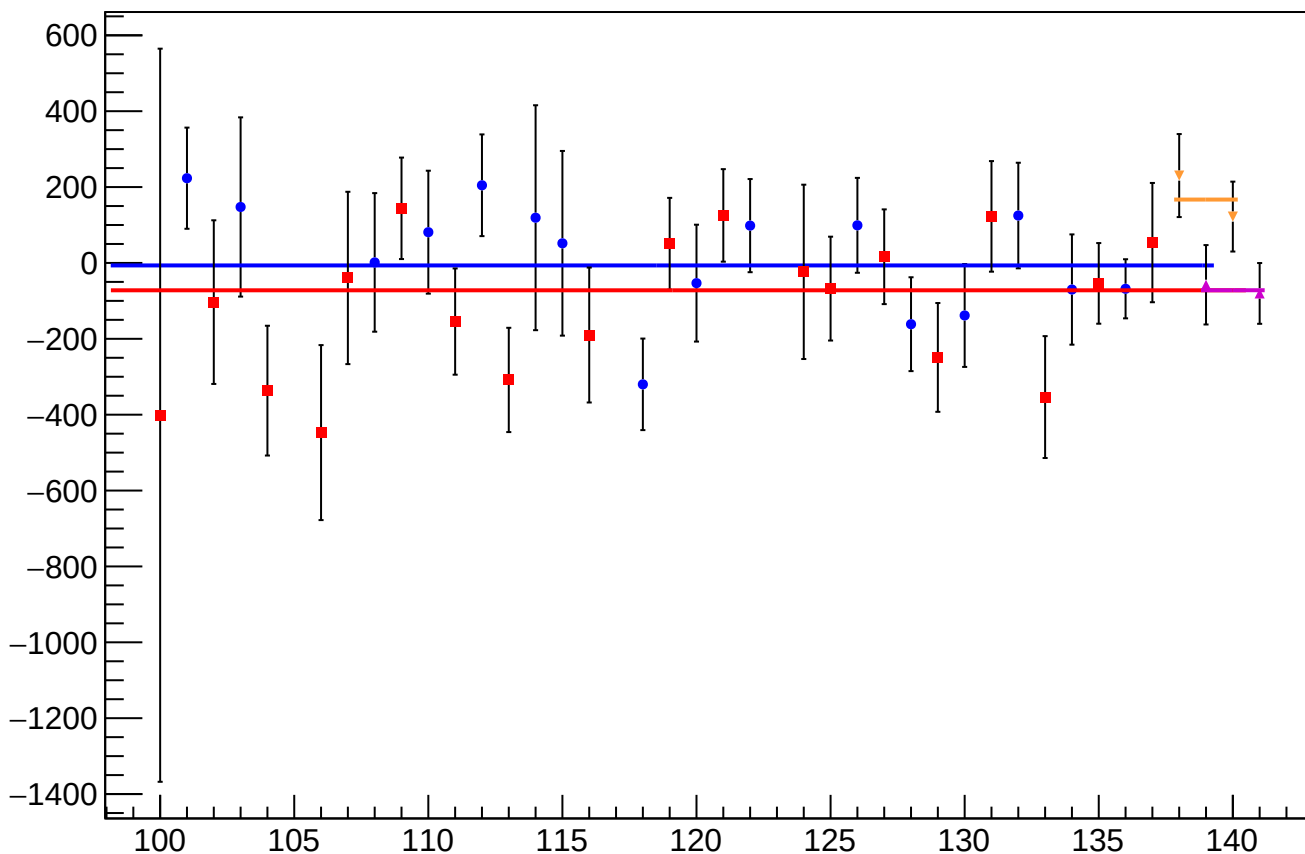
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:227418.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2856039.2/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5994703.2/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3009197.3/20

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559 ± 34.286 $\chi^2/\text{NDF}: 18.9/15$

Left Out: 167.044 ± 70.477 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -72.124 ± 34.883 $\chi^2/\text{NDF}: 22.8/18$

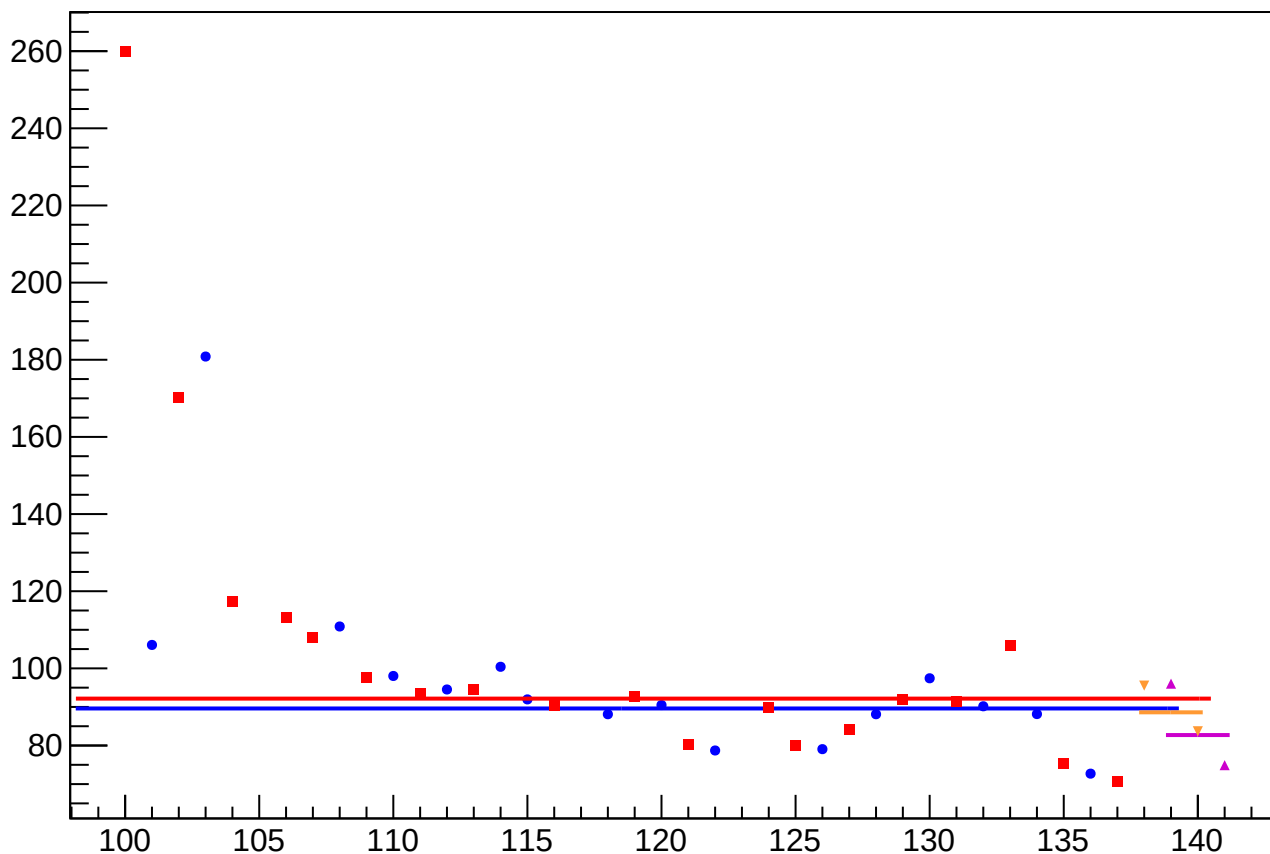
Left In: -71.940 ± 63.609 $\chi^2/\text{NDF}: 0.0/1$

+ sign 26.665 ± 30.831 $\chi^2/\text{NDF}: 24.4/17$

All: -23.103 ± 21.714 $\chi^2/\text{NDF}: 52.4/38$

- sign -72.081 ± 30.586 $\chi^2/\text{NDF}: 22.8/20$

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

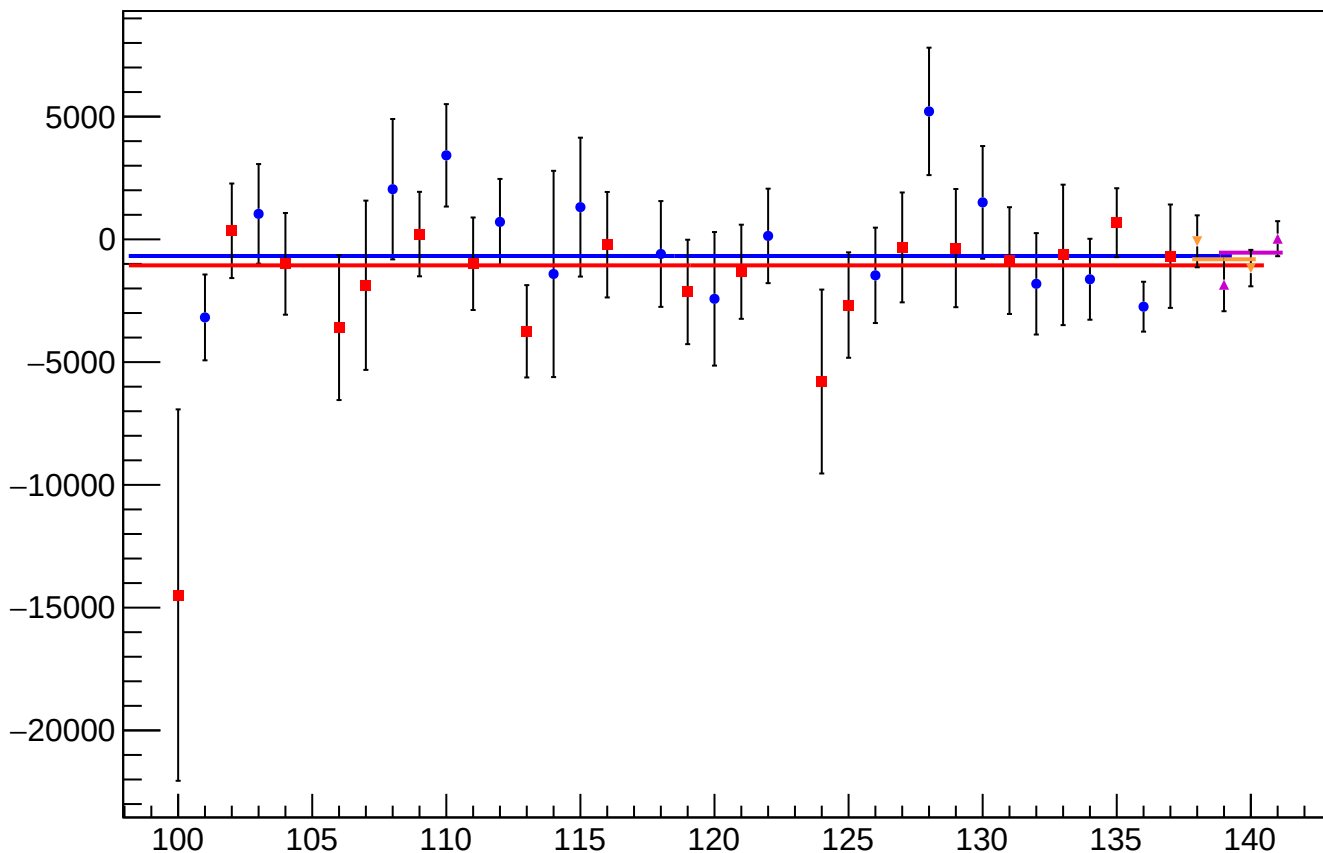
Left In: 82.715 $\pm$ 0.045 χ^2 /NDF:51421.8/1

+ sign 89.412 $\pm$ 0.022 χ^2 /NDF: 512411.4/17

All: 89.697 $\pm$ 0.015 χ^2 /NDF: 1140157.3/38

- sign 89.977 $\pm$ 0.022 χ^2 /NDF: 627407.8/20

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

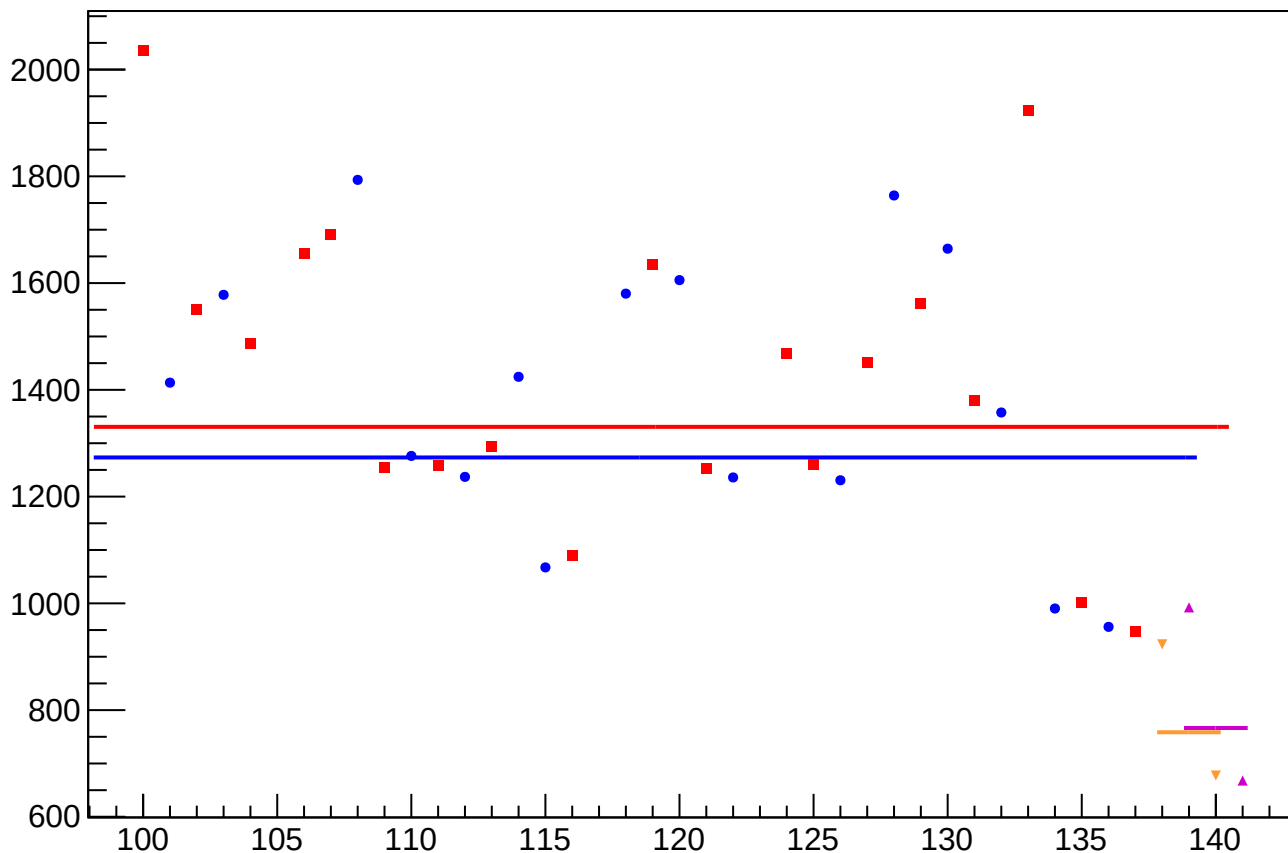
Left In: -540.870+/-595.634 χ^2/NDF : 2.1/1

+ sign -729.446+/-379.731 χ^2/NDF : 21.0/17

All: -787.738+/-269.067 χ^2/NDF : 35.0/38

- sign -846.516+/-381.310 χ^2/NDF : 14.0/20

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF : 597520.6/15

Left Out: 758.506+/-0.430 χ^2/NDF : 72308.6/1

Right Out: 1330.683+/-0.351 χ^2/NDF : 470703.7/18

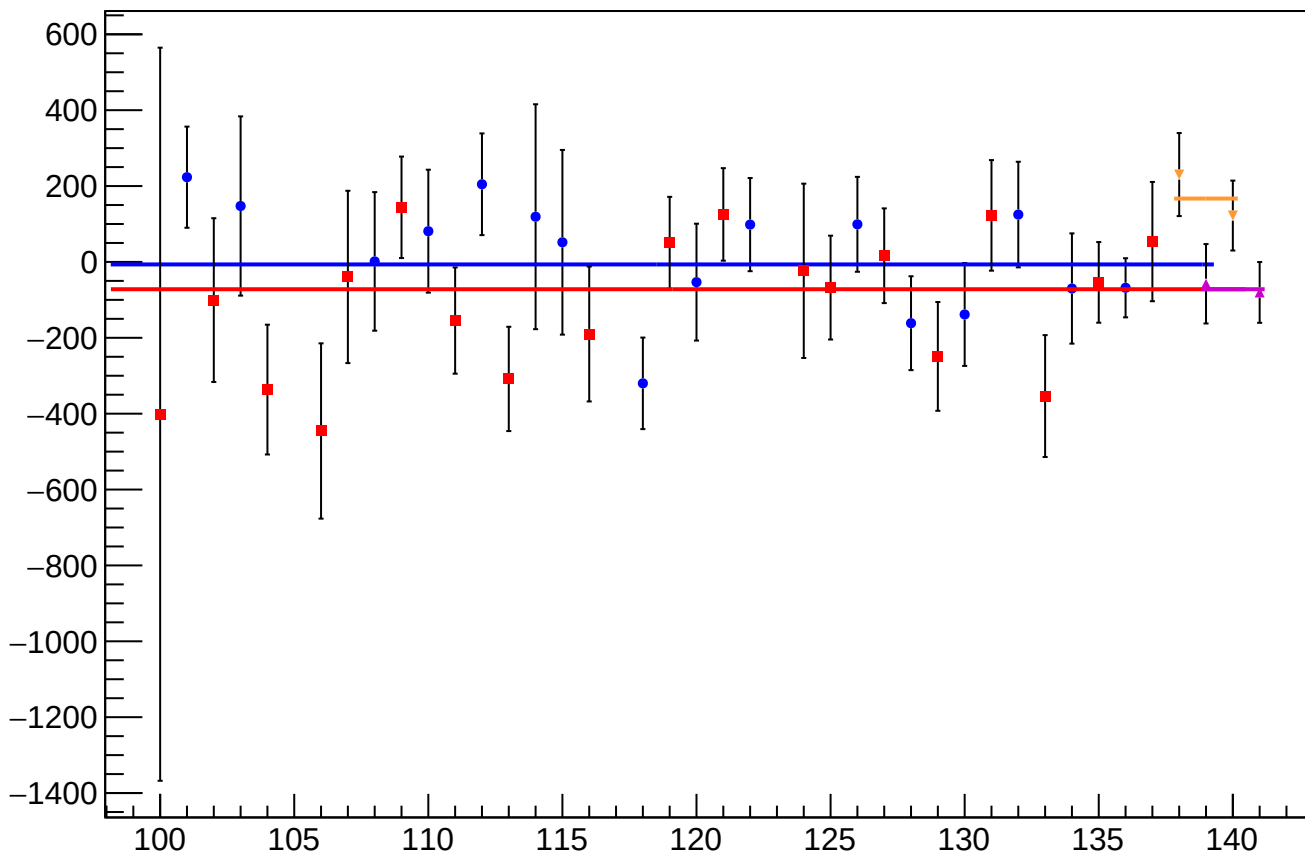
Left In: 766.513+/-0.421 χ^2/NDF : 125385.0/1

+ sign 1072.179+/-0.269 χ^2/NDF : 1544943.4/17

All: 1085.769+/-0.190 χ^2/NDF : 3205119.0/38

- sign 1099.472+/-0.270 χ^2/NDF : 1655030.8/20

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 ± 34.286 $\chi^2/\text{NDF}: 18.9/15$

Left Out: 167.059 ± 70.477 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -71.981 ± 34.885 $\chi^2/\text{NDF}: 22.8/18$

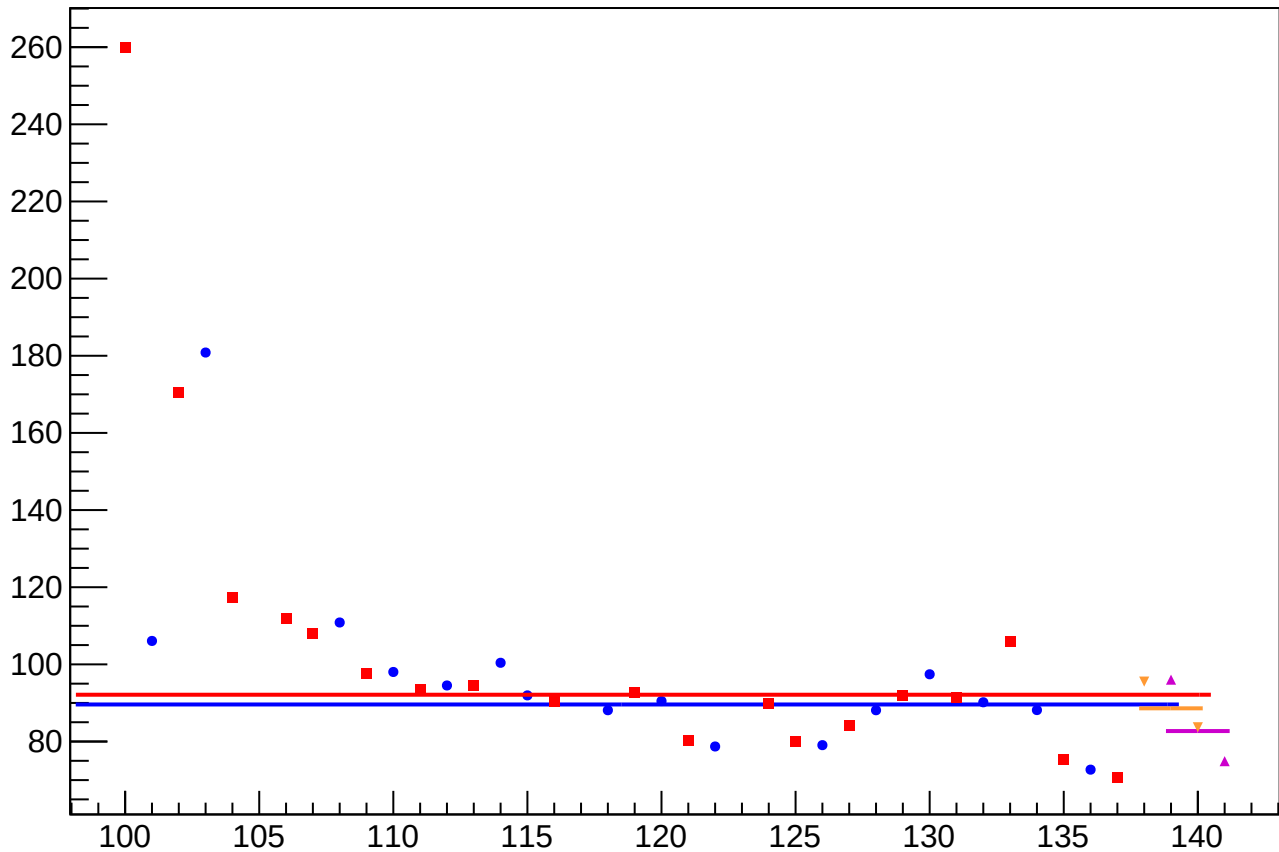
Left In: -71.951 ± 63.609 $\chi^2/\text{NDF}: 0.0/1$

+ sign 26.660 ± 30.831 $\chi^2/\text{NDF}: 24.4/17$

All: -23.049 ± 21.714 $\chi^2/\text{NDF}: 52.3/38$

- sign -71.974 ± 30.587 $\chi^2/\text{NDF}: 22.8/20$

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

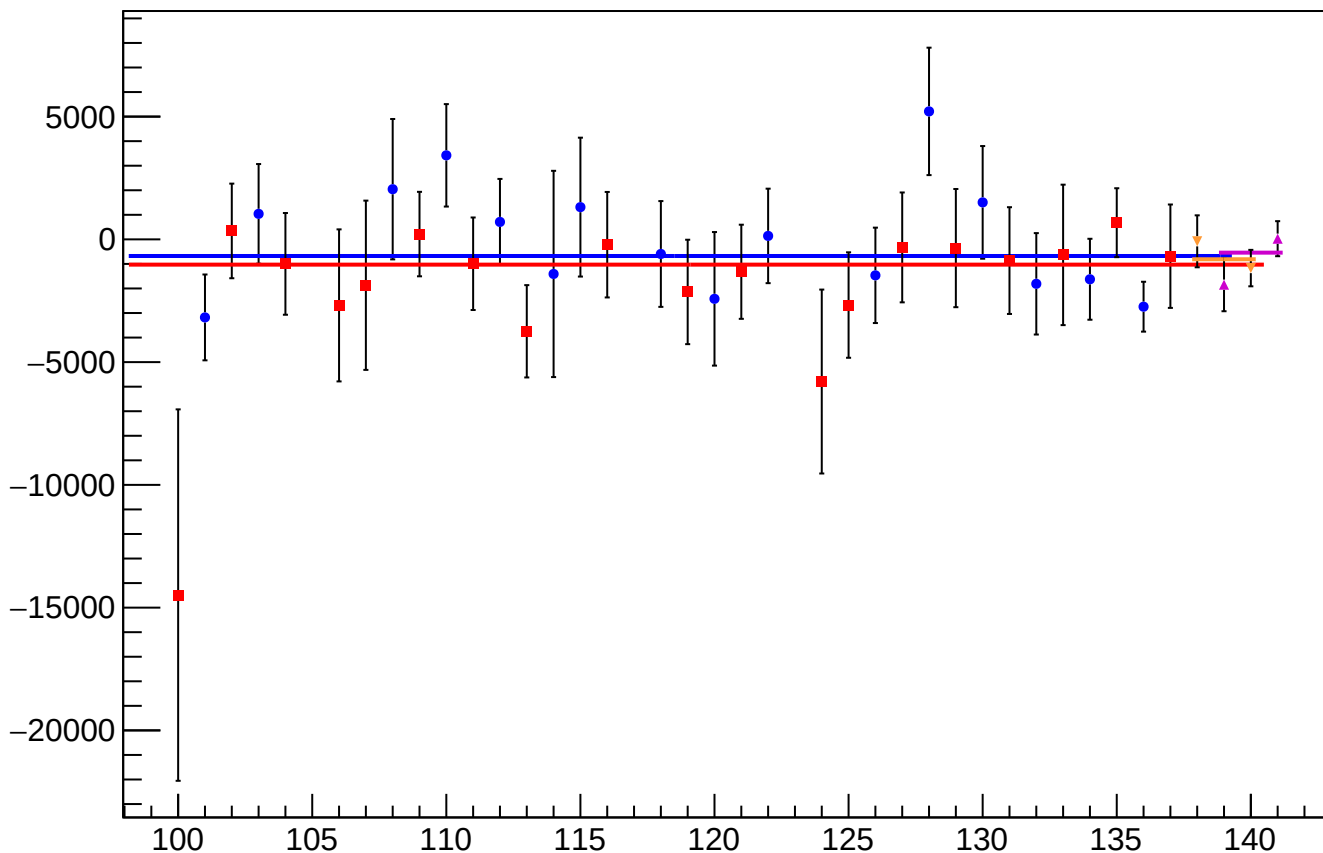
Left In: 82.715 $\pm$ 0.045 χ^2 /NDF:51421.8/1

+ sign 89.412 $\pm$ 0.022 χ^2 /NDF: 512415.0/17

All: 89.684 $\pm$ 0.015 χ^2 /NDF: 1138137.6/38

- sign 89.952 $\pm$ 0.022 χ^2 /NDF: 625413.3/20

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

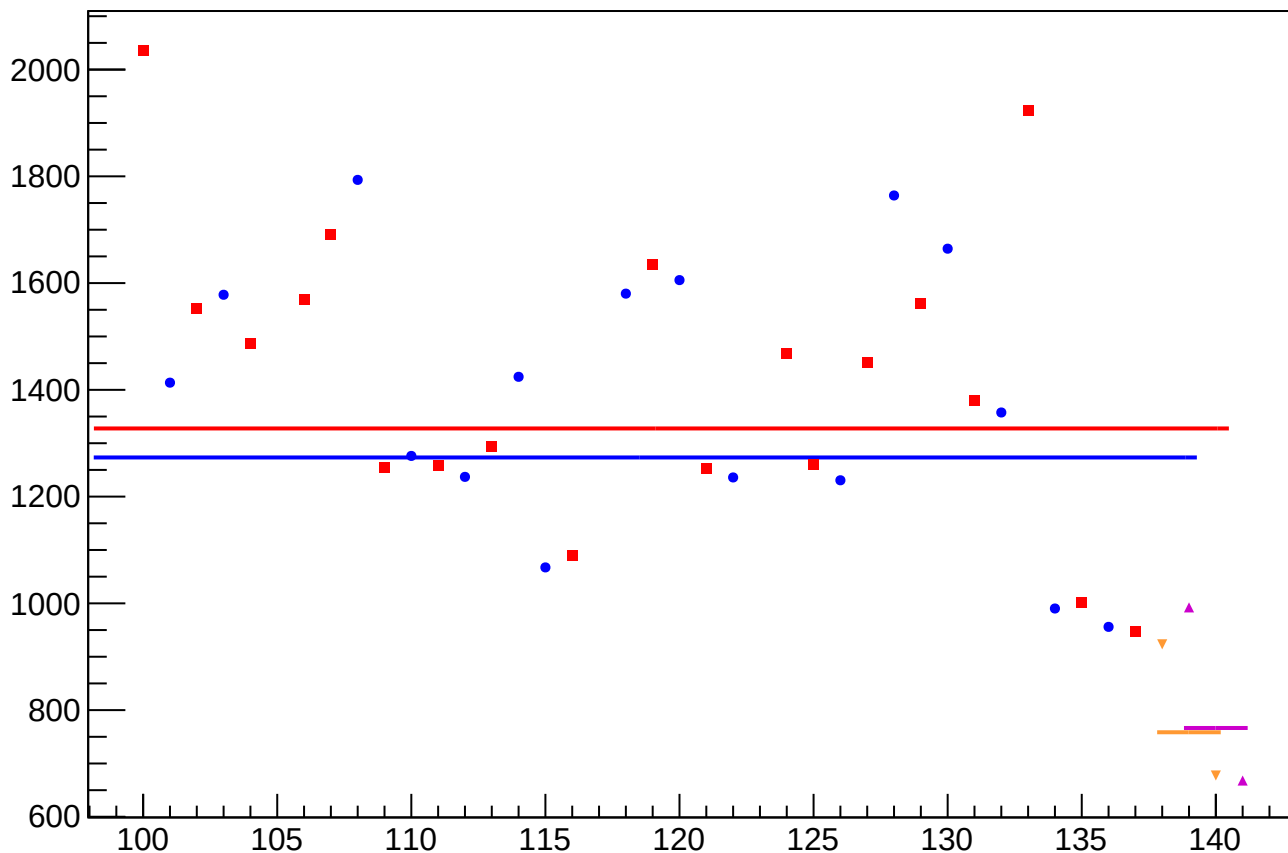
Left In: -540.885+/-595.635 χ^2/NDF : 2.1/1

+ sign -729.417+/-379.732 χ^2/NDF : 21.0/17

All: -778.900+/-269.174 χ^2/NDF : 34.5/38

- sign -828.874+/-381.613 χ^2/NDF : 13.5/20

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

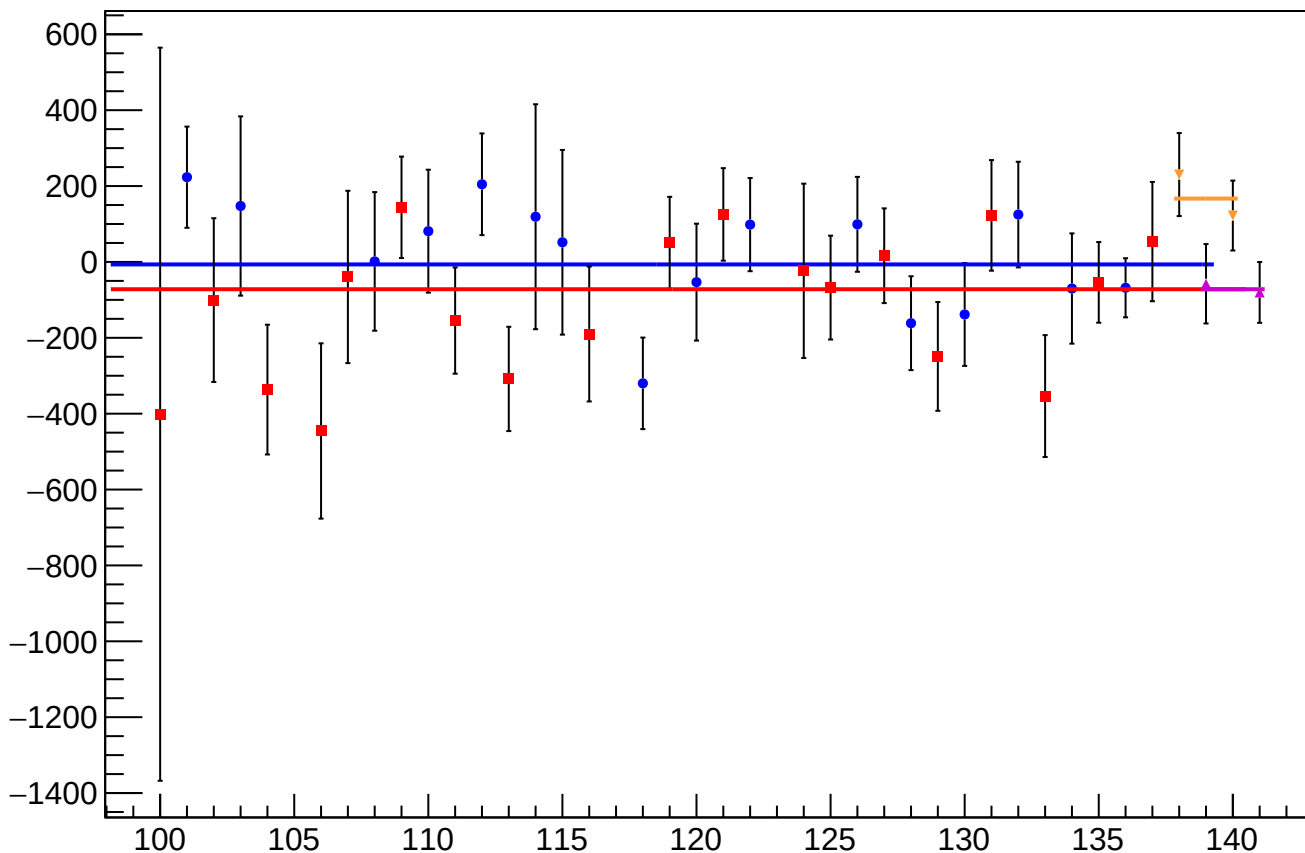
Left In: 766.514+/-0.421 χ^2/NDF : 125383.7/1

+ sign 1072.179+/-0.269 χ^2/NDF : 1544983.3/17

All: 1084.689+/-0.190 χ^2/NDF : 3179679.3/38

- sign 1097.324+/-0.270 χ^2/NDF : 1630332.9/20

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 $\pm$ 34.286 χ^2/NDF : 18.9/15

Left Out: 167.059 $\pm$ 70.477 χ^2/NDF : 0.6/1

Right Out: -71.981 $\pm$ 34.885 χ^2/NDF : 22.8/18

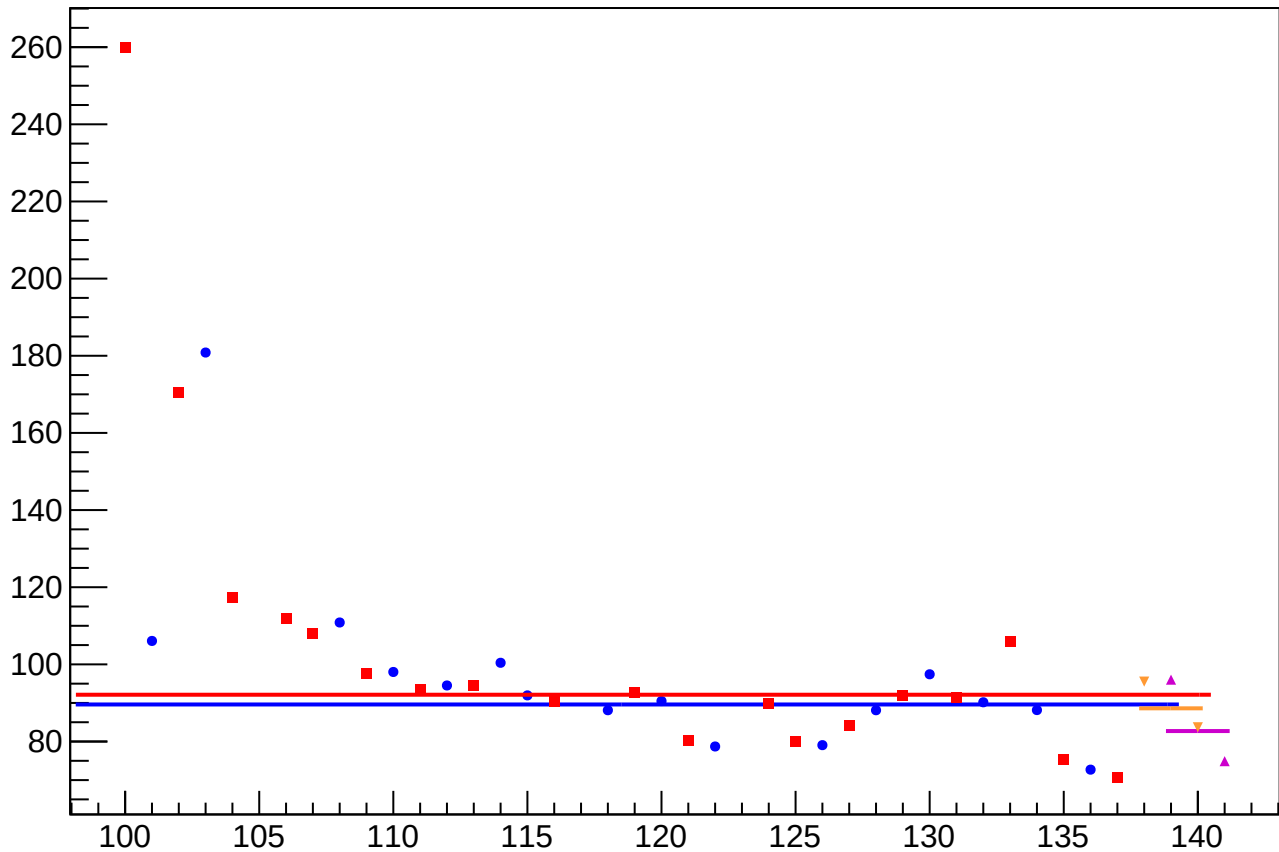
Left In: -71.951 $\pm$ 63.609 χ^2/NDF : 0.0/1

+ sign 26.660 $\pm$ 30.831 χ^2/NDF : 24.4/17

All: -23.049 $\pm$ 21.714 χ^2/NDF : 52.3/38

- sign -71.974 $\pm$ 30.587 χ^2/NDF : 22.8/20

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

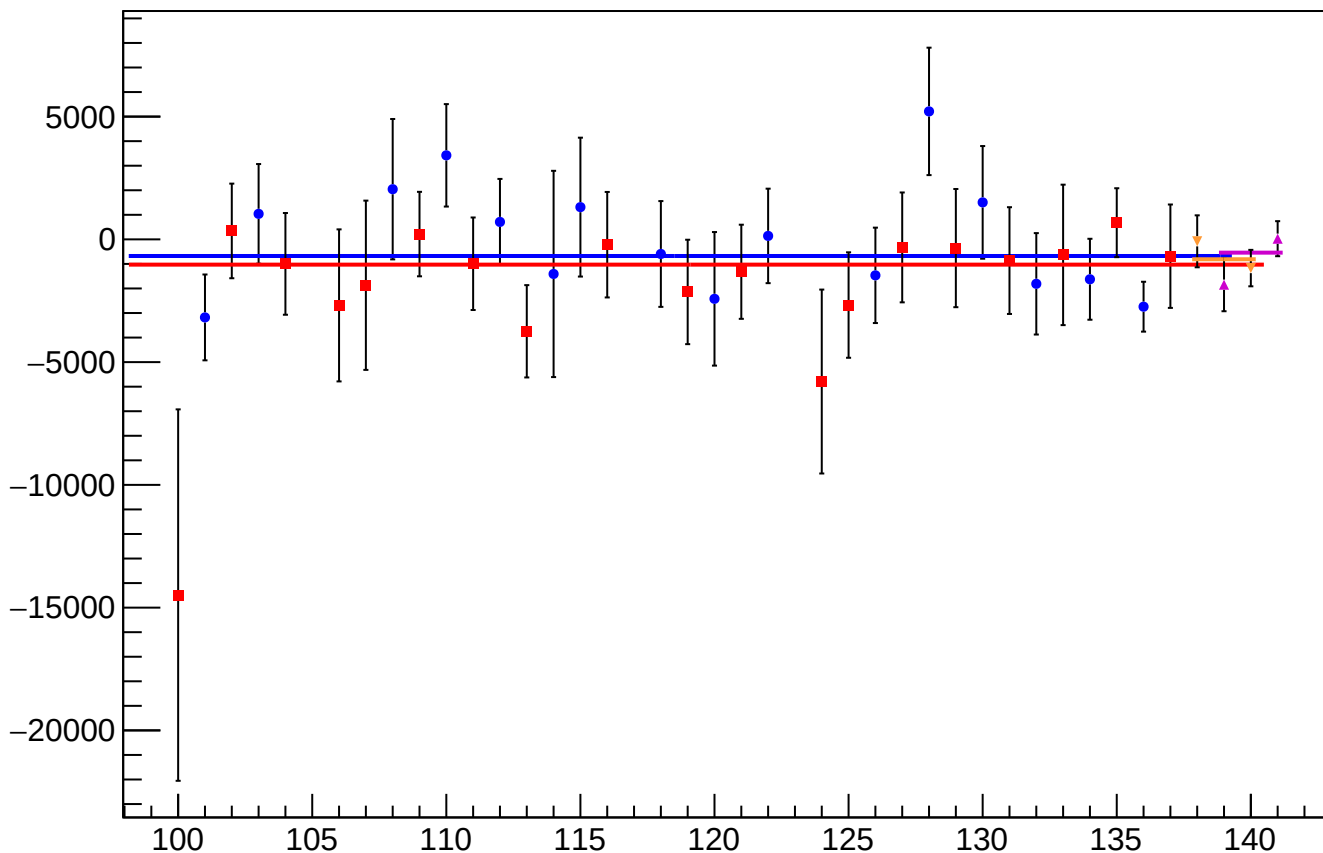
Left In: 82.715 $\pm$ 0.045 χ^2 /NDF: 51421.8/1

+ sign 89.412 $\pm$ 0.022 χ^2 /NDF: 512415.0/17

All: 89.684 $\pm$ 0.015 χ^2 /NDF: 1138137.6/38

- sign 89.952 $\pm$ 0.022 χ^2 /NDF: 625413.3/20

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

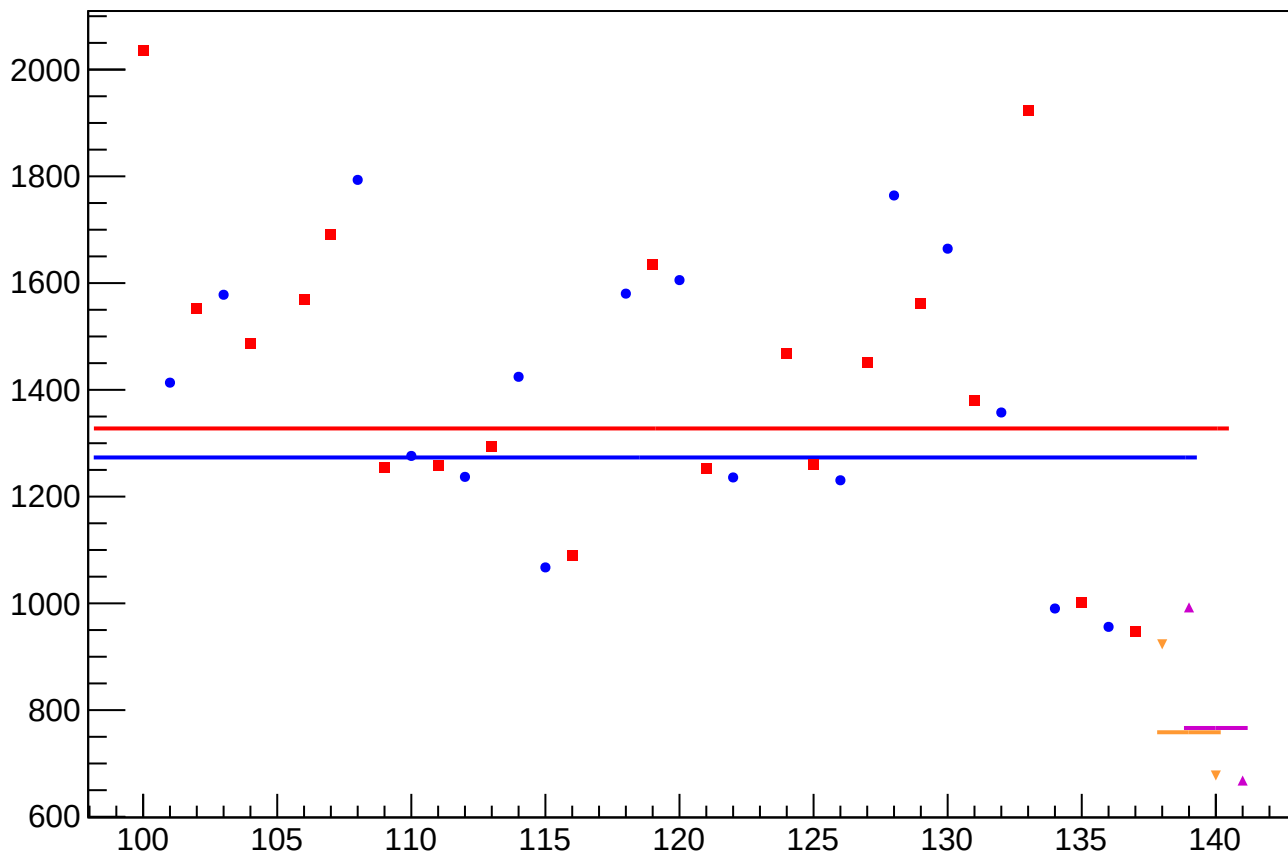
Left In: -540.885+/-595.635 χ^2/NDF : 2.1/1

+ sign -729.417+/-379.732 χ^2/NDF : 21.0/17

All: -778.900+/-269.174 χ^2/NDF : 34.5/38

- sign -828.874+/-381.613 χ^2/NDF : 13.5/20

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

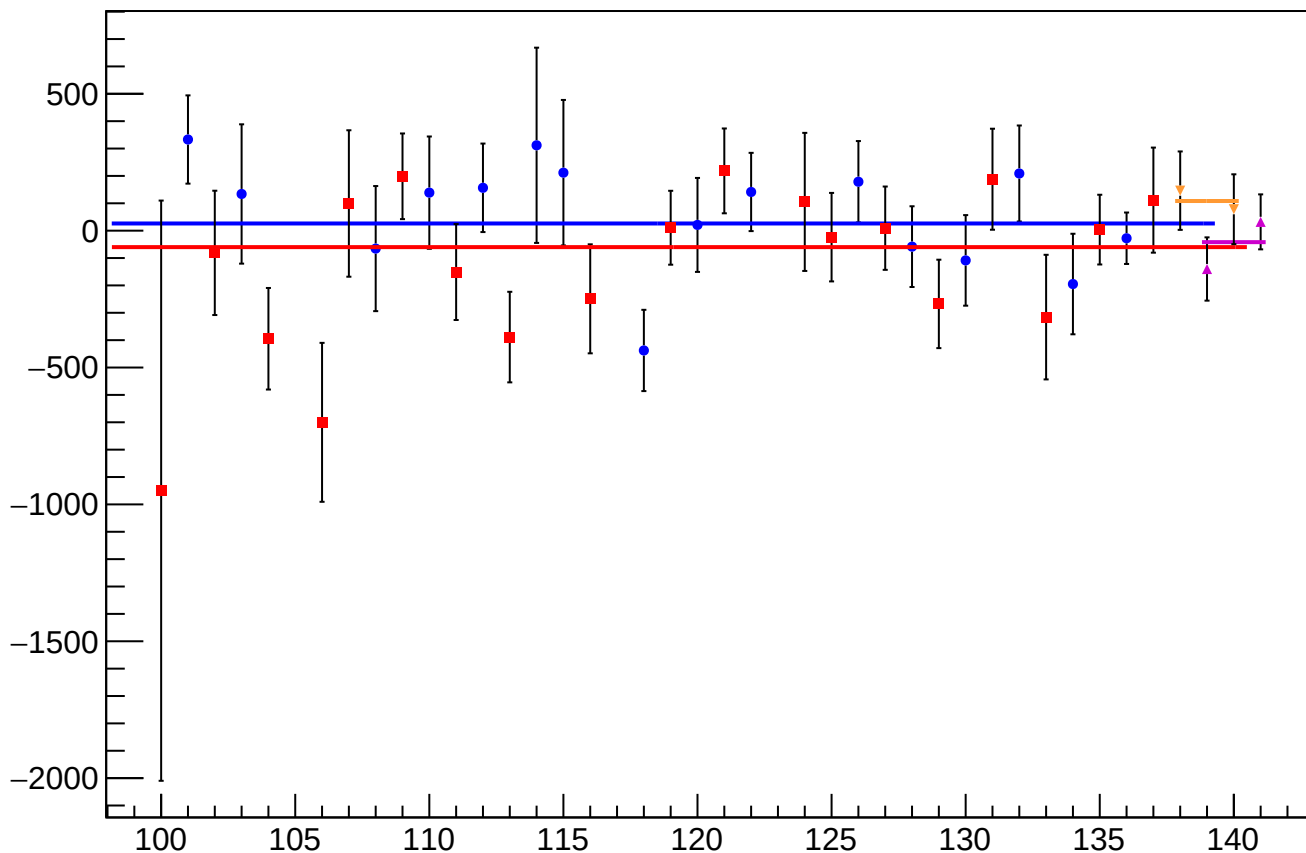
Left In: 766.514+/-0.421 χ^2/NDF : 125383.7/1

+ sign 1072.179+/-0.269 χ^2/NDF : 1544983.3/17

All: 1084.689+/-0.190 χ^2/NDF : 3179679.3/38

- sign 1097.324+/-0.270 χ^2/NDF : 1630332.9/20

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251 $\pm$ 41.220 χ^2 /NDF: 21.4/15

Left Out: 108.338 $\pm$ 95.259 χ^2 /NDF: 0.1/1

Right Out: -60.119 $\pm$ 41.528 χ^2 /NDF: 27.0/18

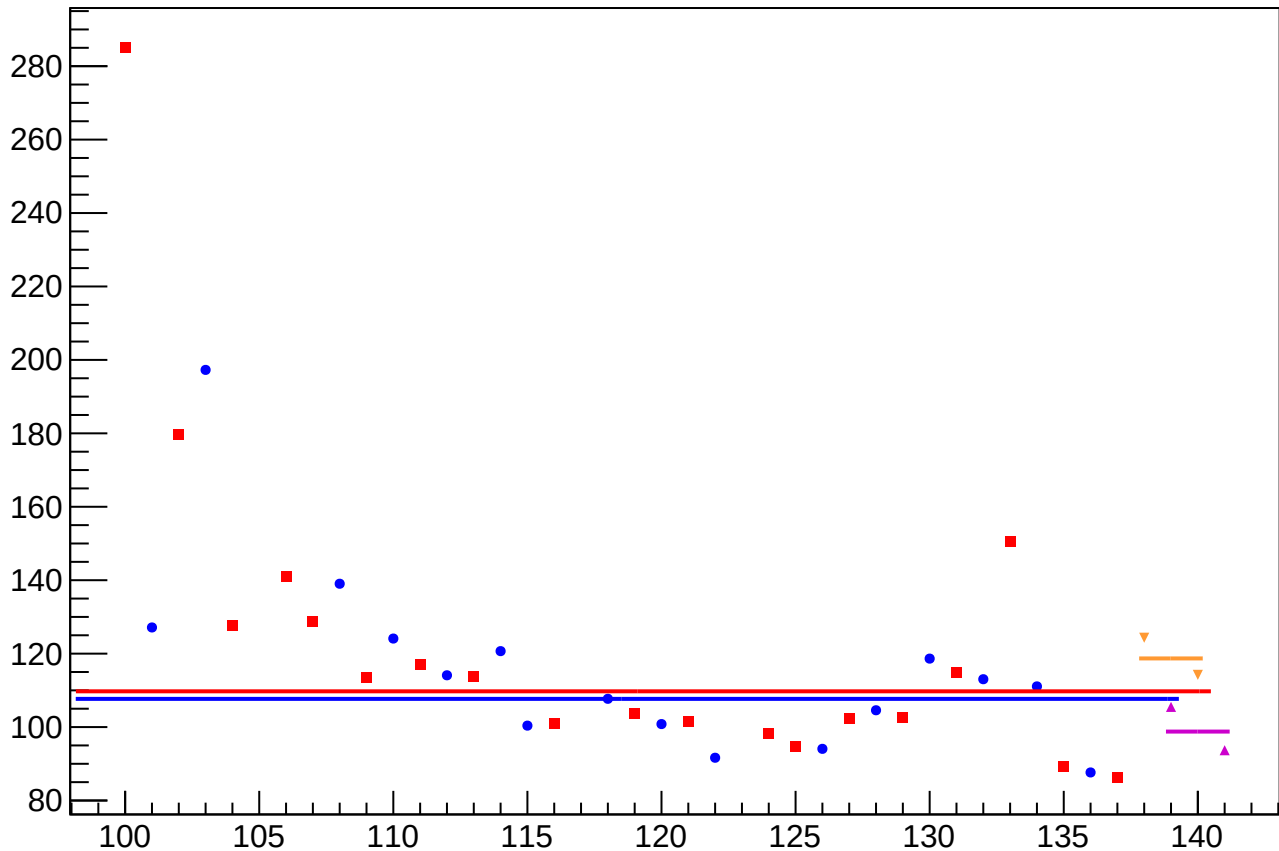
Left In: -41.928 $\pm$ 75.806 χ^2 /NDF: 1.3/1

+ sign 39.197 $\pm$ 37.830 χ^2 /NDF: 22.1/17

All: -10.166 $\pm$ 26.237 χ^2 /NDF: 53.7/38

- sign -55.920 $\pm$ 36.421 χ^2 /NDF: 28.3/20

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

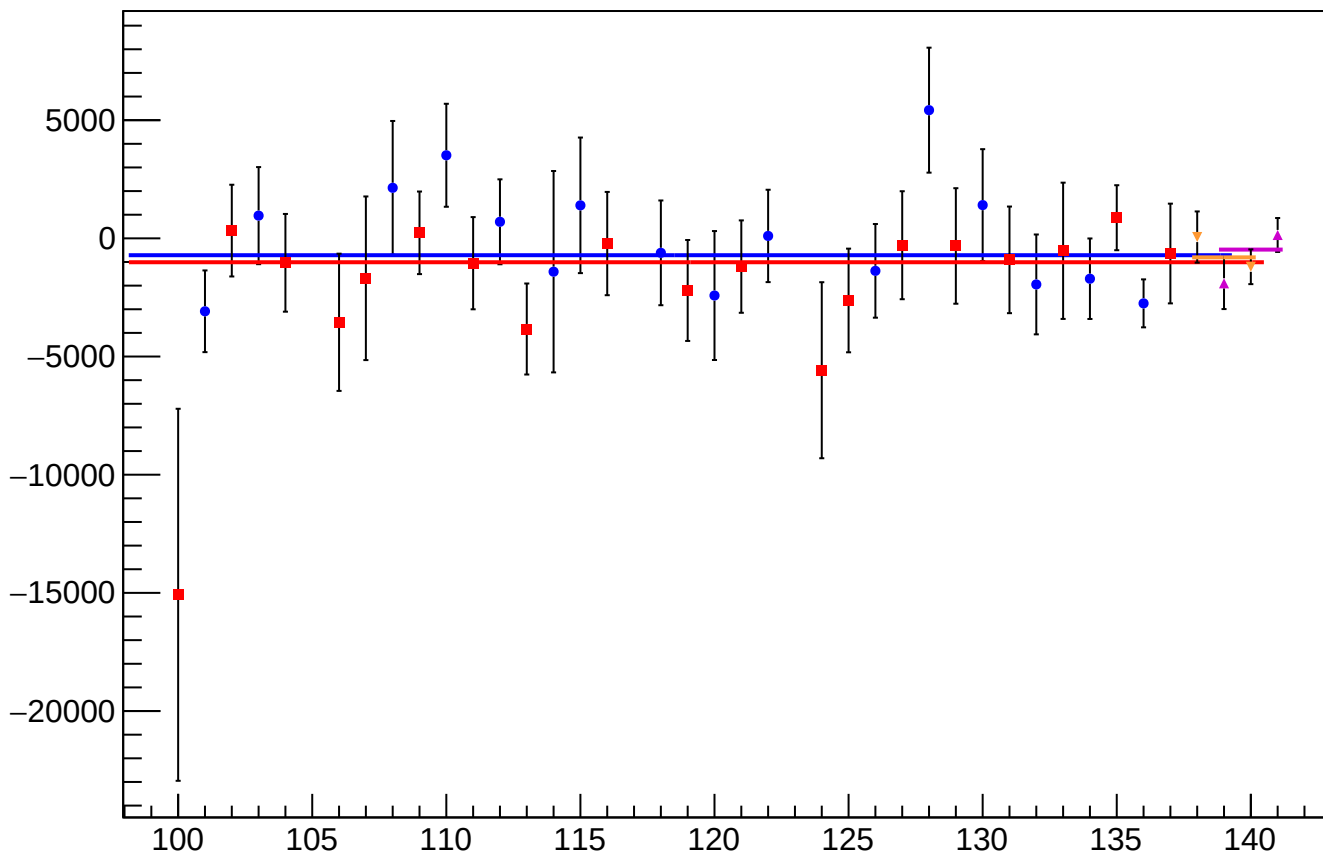
Left In: 98.774 $\pm$ 0.054 χ^2 /NDF: 11892.7/1

+ sign 109.417 $\pm$ 0.027 χ^2 /NDF: 511207.2/17

All: 108.271 $\pm$ 0.019 χ^2 /NDF: 1050610.5/38

- sign 107.208 $\pm$ 0.026 χ^2 /NDF: 535865.1/20

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887 ± 493.253 χ^2/NDF : 20.1/15

Left Out: -804.403 ± 608.488 χ^2/NDF : 0.9/1

Right Out: -1010.557 ± 501.374 χ^2/NDF : 11.8/18

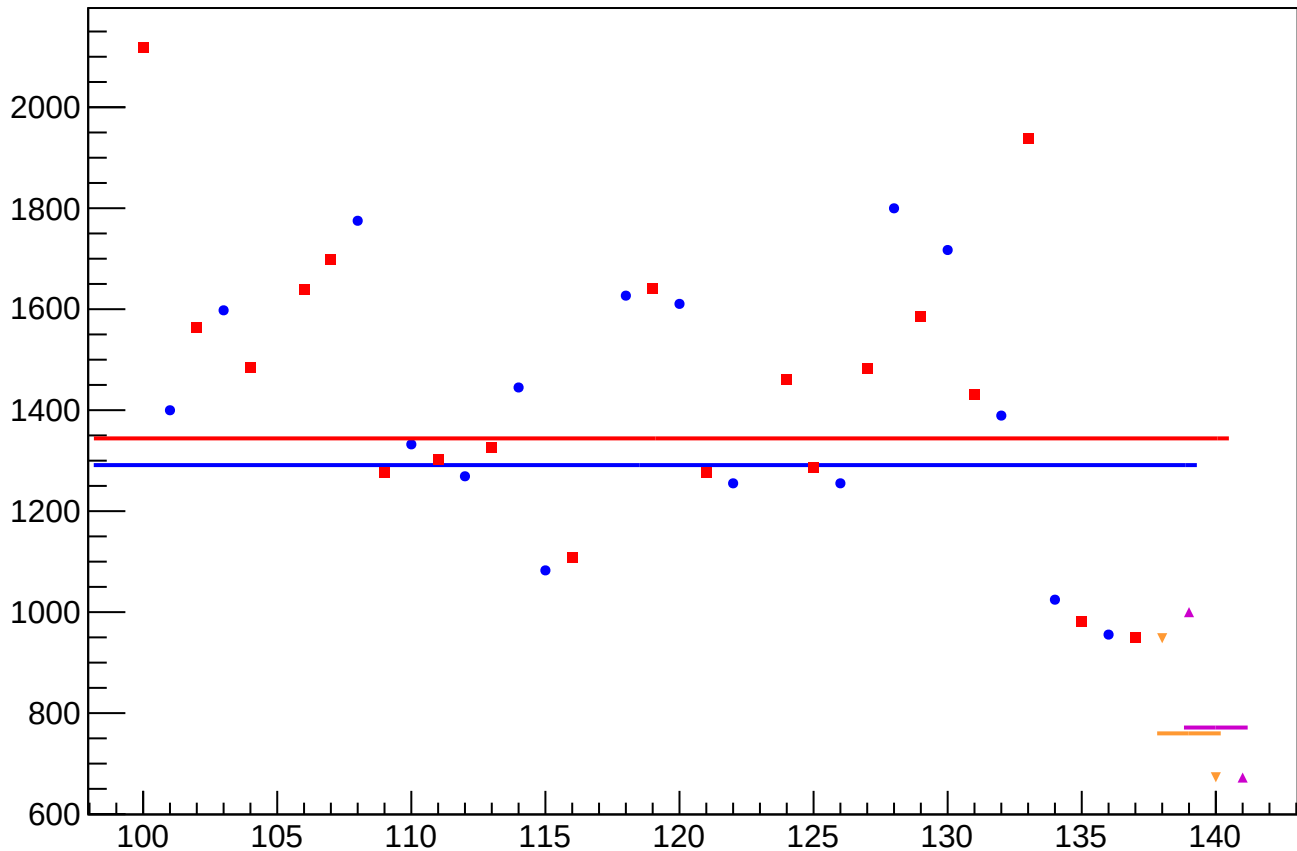
Left In: -475.378 ± 599.173 χ^2/NDF : 2.5/1

+ sign -749.177 ± 383.173 χ^2/NDF : 21.0/17

All: -769.593 ± 271.417 χ^2/NDF : 35.7/38

- sign -790.153 ± 384.514 χ^2/NDF : 14.7/20

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2 /NDF: 610897.3/15

Left Out: 759.857+/-0.430 χ^2 /NDF:88513.3/1

Right Out: 1344.118+/-0.355 χ^2 /NDF: 490963.7/18

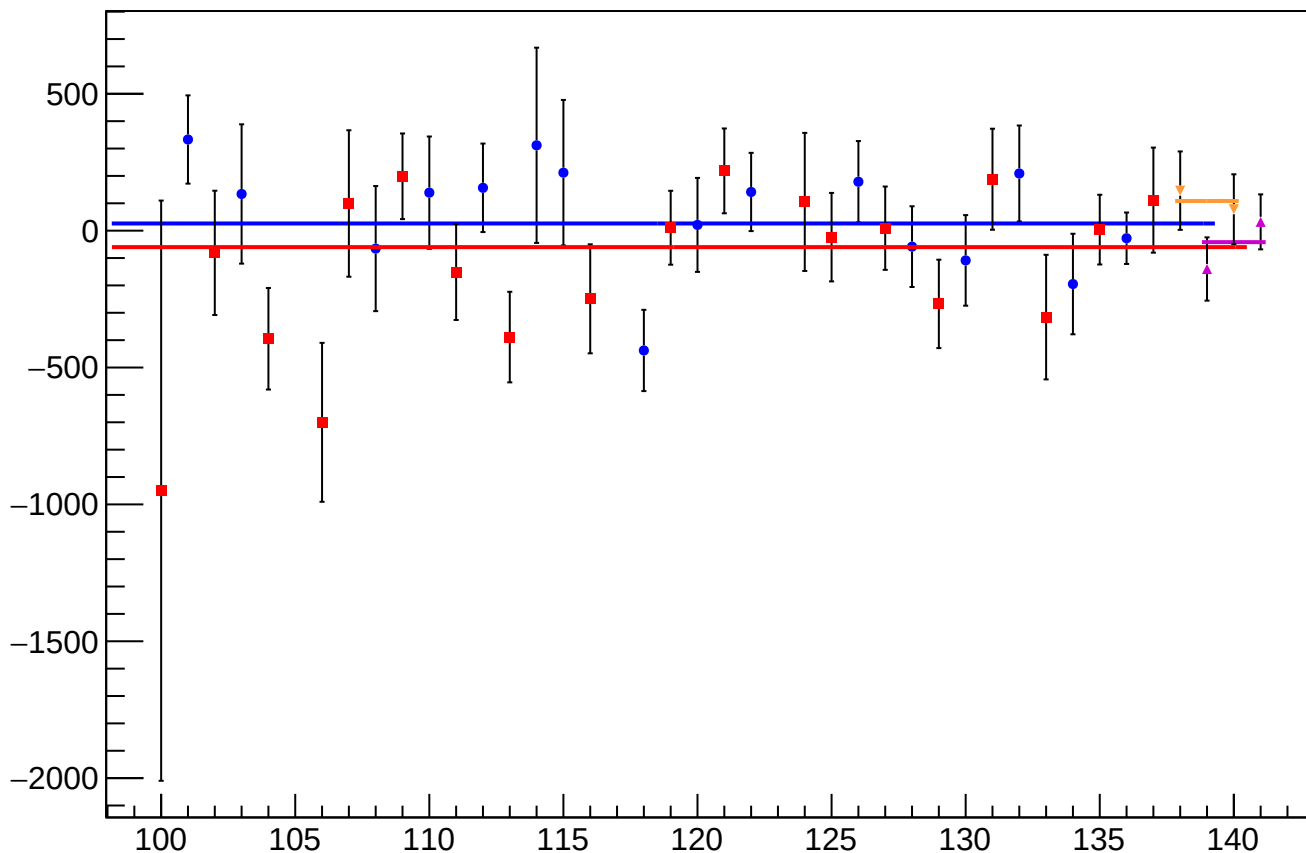
Left In: 771.426+/-0.424 χ^2 /NDF:126079.4/1

+ sign 1080.516+/-0.271 χ^2 /NDF: 1619781.7/17

All: 1094.342+/-0.192 χ^2 /NDF: 3316705.3/38

- sign 1108.265+/-0.272 χ^2 /NDF: 1691697.5/20

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252 $\pm$ 41.219 χ^2 /NDF: 21.4/15

Left Out: 108.338 $\pm$ 95.259 χ^2 /NDF: 0.1/1

Right Out: -60.117 $\pm$ 41.528 χ^2 /NDF: 27.0/18

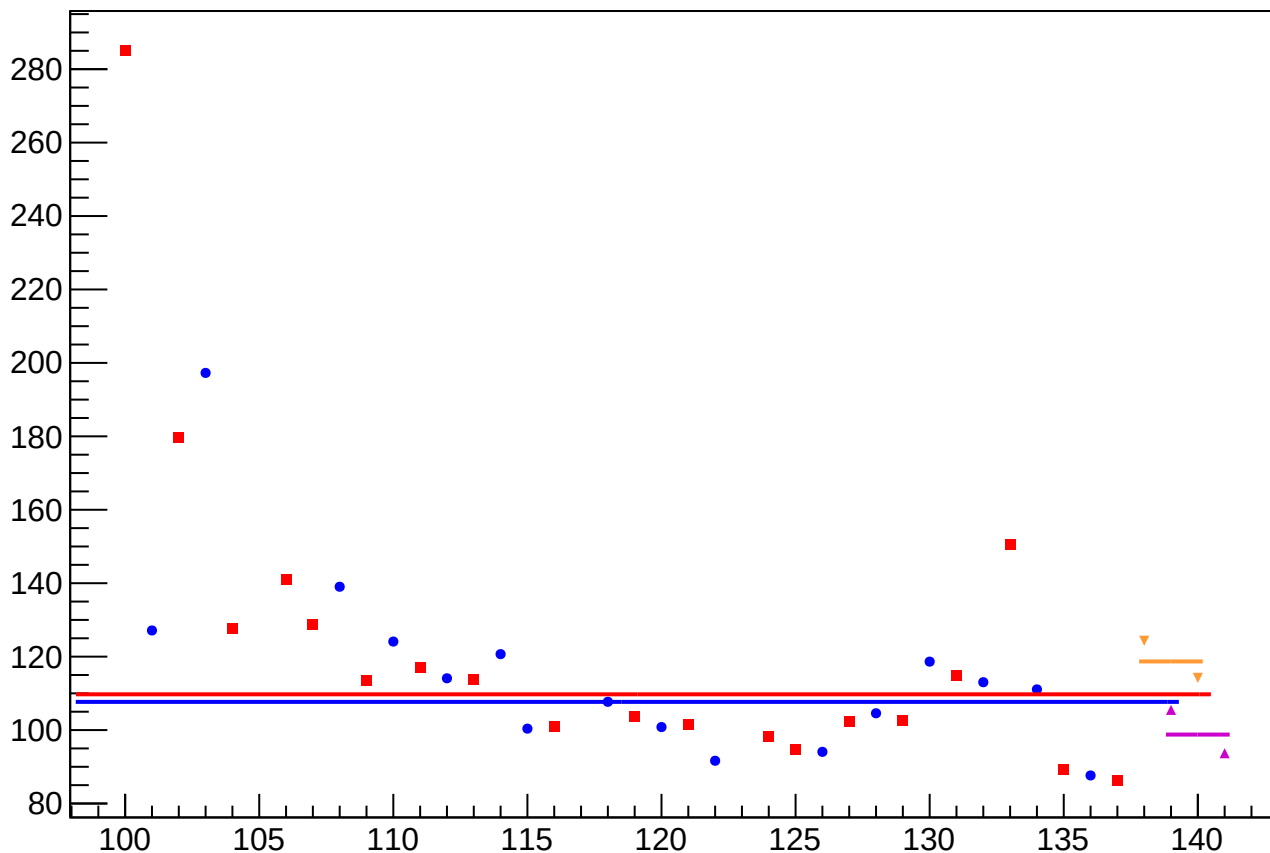
Left In: -41.927 $\pm$ 75.806 χ^2 /NDF: 1.3/1

+ sign 39.198 $\pm$ 37.830 χ^2 /NDF: 22.1/17

All: -10.164 $\pm$ 26.237 χ^2 /NDF: 53.7/38

- sign -55.918 $\pm$ 36.421 χ^2 /NDF: 28.3/20

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

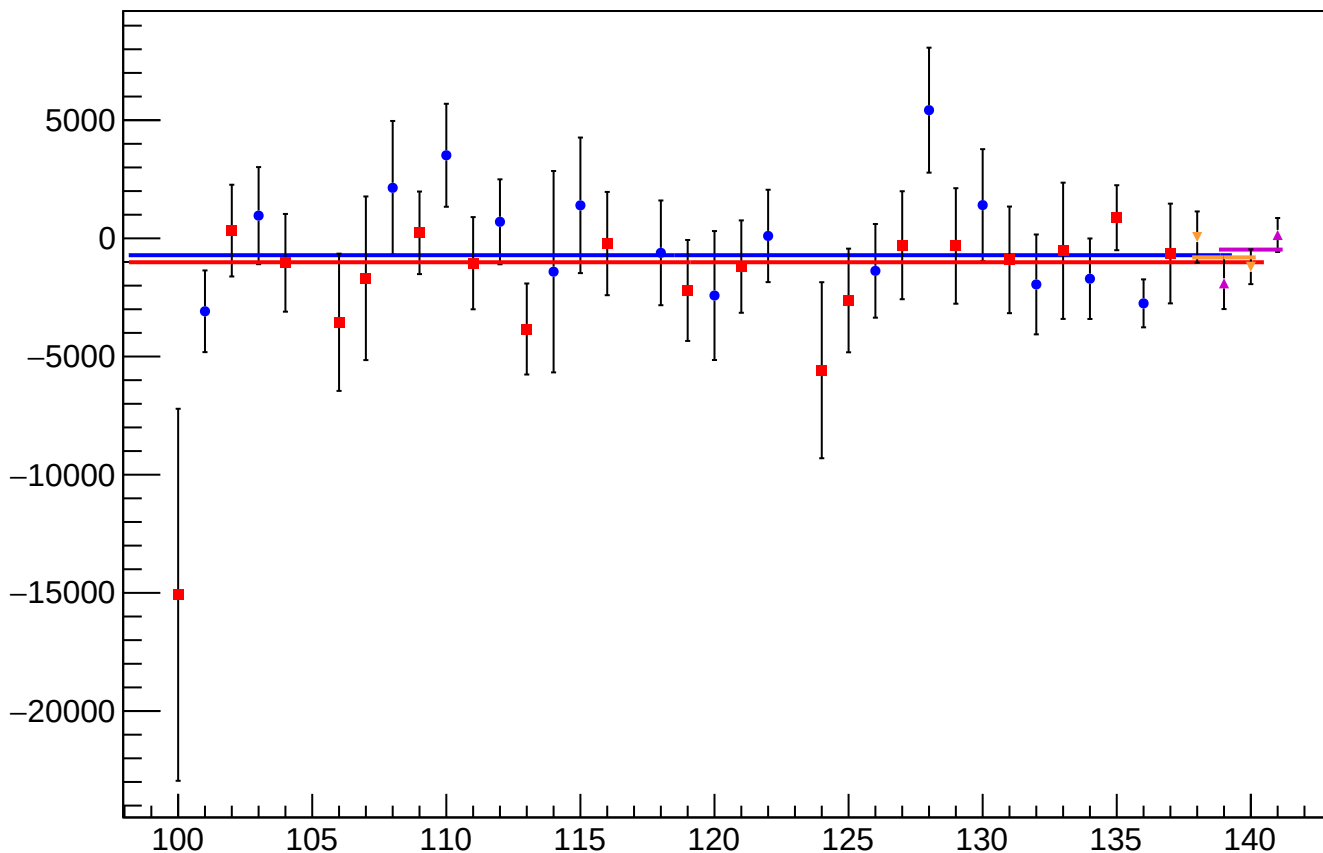
Left In: 98.774 $\pm$ 0.054 χ^2 /NDF:11891.9/1

+ sign 109.416 $\pm$ 0.027 χ^2 /NDF: 511195.0/17

All: 108.270 $\pm$ 0.019 χ^2 /NDF: 1050590.2/38

- sign 107.208 $\pm$ 0.026 χ^2 /NDF: 535857.6/20

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -712.881 $\pm$ 493.252 χ^2 /NDF: 20.1/15

Left Out: -804.403 $\pm$ 608.486 χ^2 /NDF: 0.9/1

Right Out: -1010.556 $\pm$ 501.373 χ^2 /NDF: 11.8/18

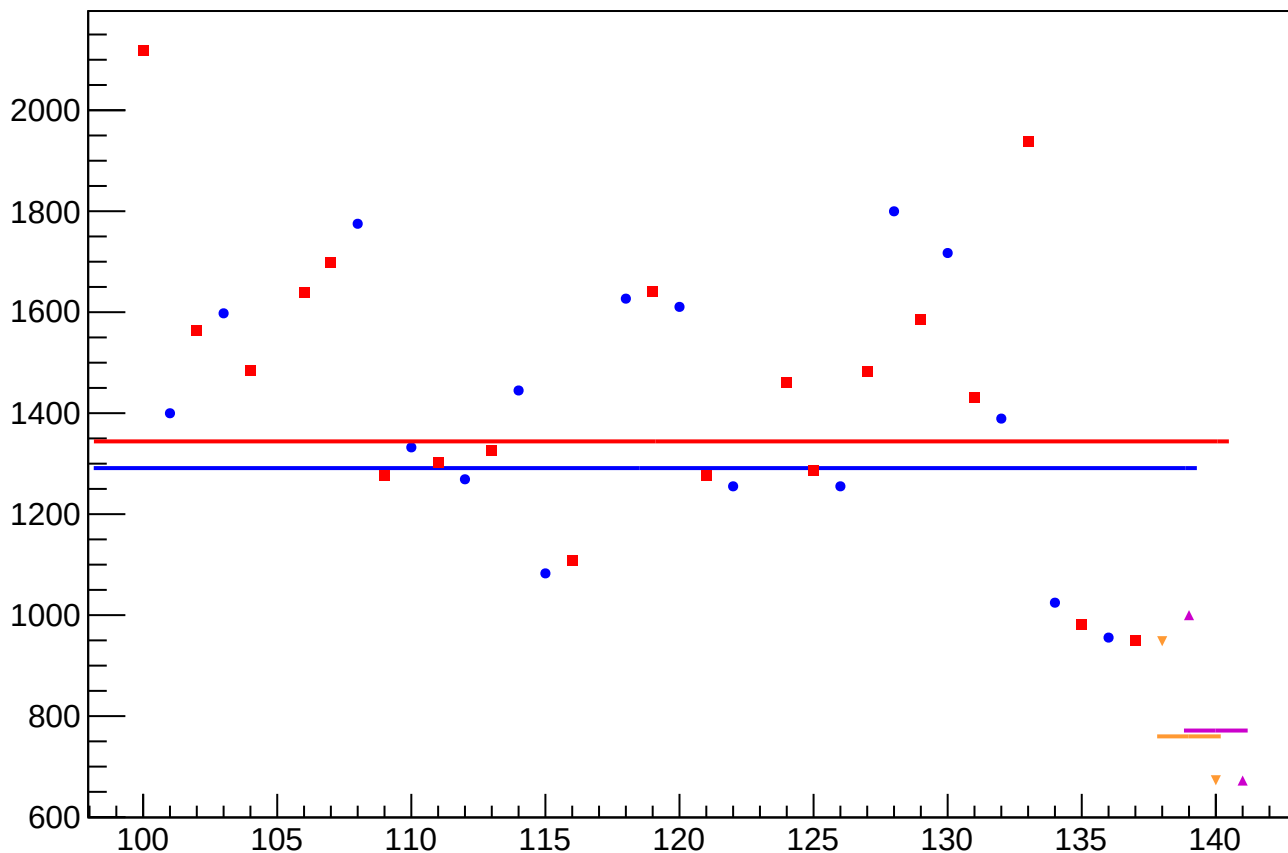
Left In: -475.379 $\pm$ 599.171 χ^2 /NDF: 2.5/1

+ sign -749.173 $\pm$ 383.172 χ^2 /NDF: 21.0/17

All: -769.591 $\pm$ 271.416 χ^2 /NDF: 35.7/38

- sign -790.153 $\pm$ 384.513 χ^2 /NDF: 14.7/20

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

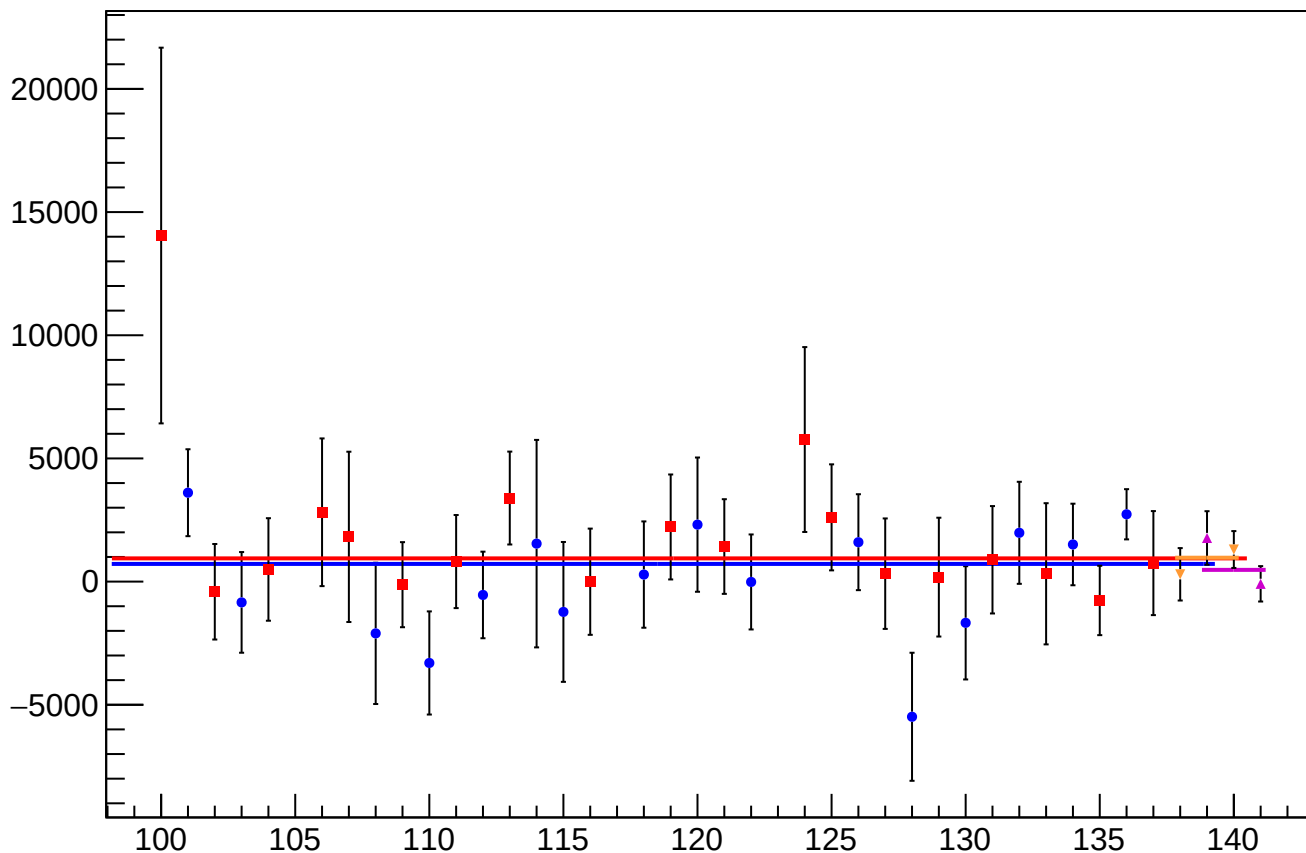
Left In: 771.424+/-0.424 χ^2/NDF : 126079.0/1

+ sign 1080.513+/-0.271 χ^2/NDF : 1619782.1/17

All: 1094.339+/-0.192 χ^2/NDF : 3316707.3/38

- sign 1108.262+/-0.272 χ^2/NDF : 1691699.1/20

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

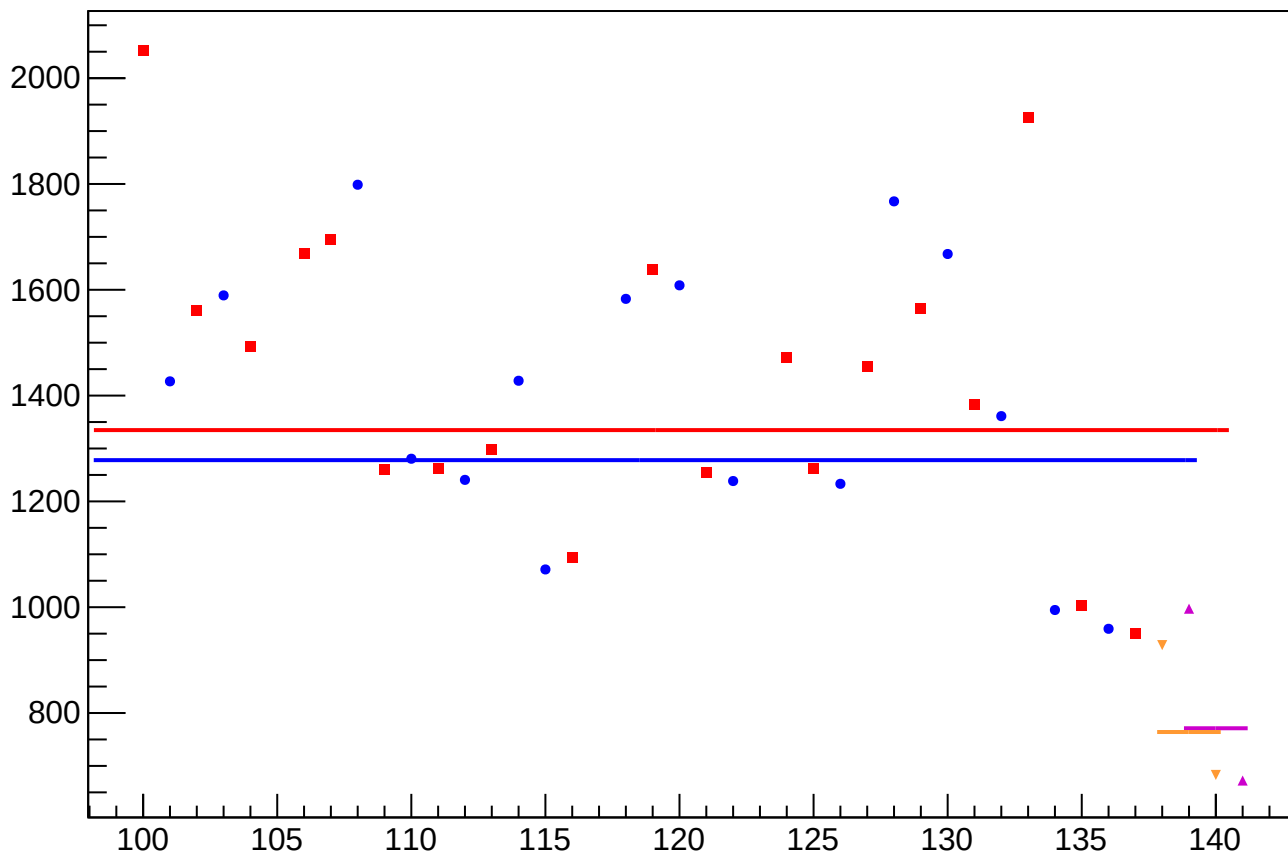
Left In: 475.886 $\pm$ 599.152 χ^2 /NDF: 2.0/1

+ sign 815.628 $\pm$ 381.629 χ^2 /NDF: 21.7/17

All: 783.785 $\pm$ 270.337 χ^2 /NDF: 34.7/38

- sign 751.713 $\pm$ 383.004 χ^2 /NDF: 13.0/20

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979 ± 0.345 $\chi^2/\text{NDF}: 597666.8/15$

Left Out: 764.089 ± 0.433 $\chi^2/\text{NDF}: 71210.9/1$

Right Out: 1334.775 ± 0.352 $\chi^2/\text{NDF}: 471897.2/18$

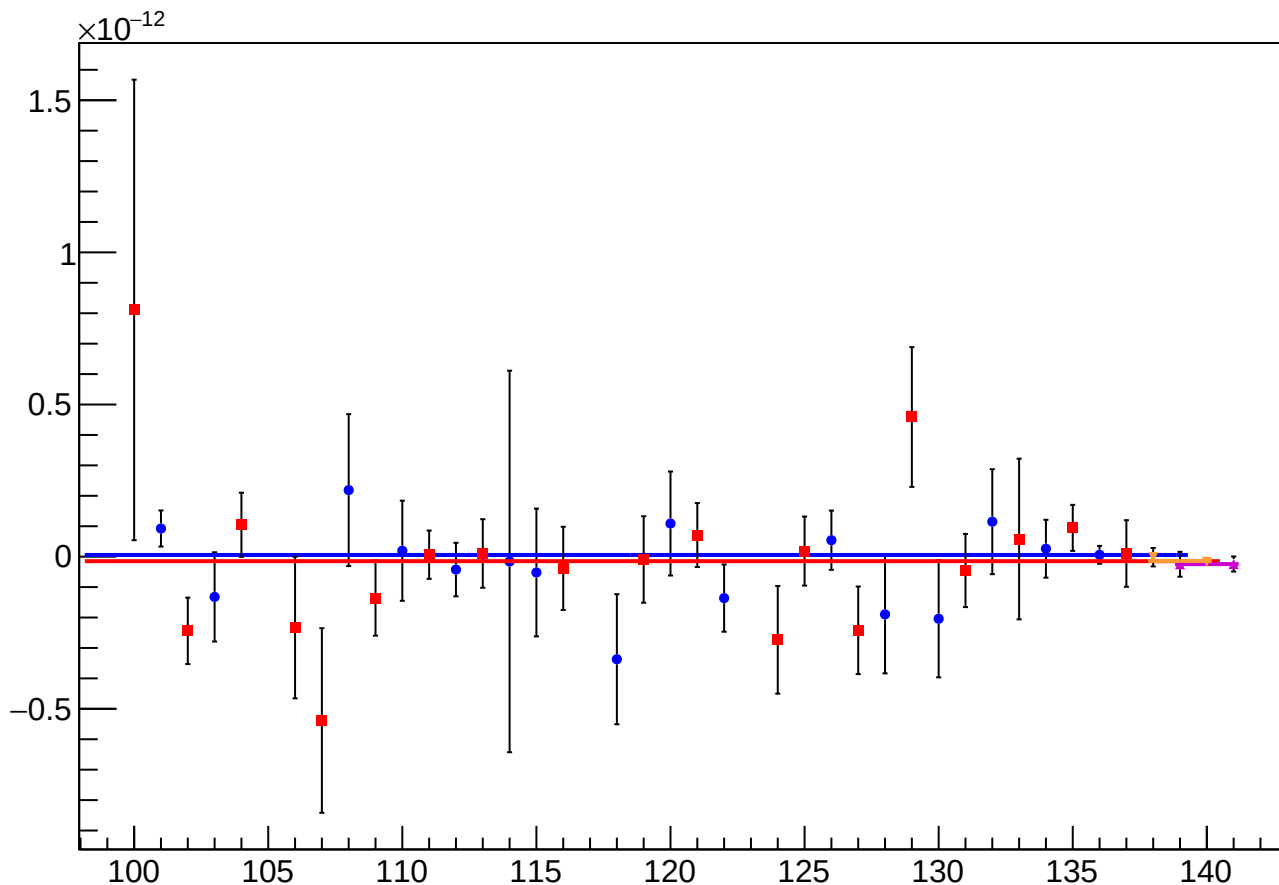
Left In: 771.165 ± 0.424 $\chi^2/\text{NDF}: 124419.9/1$

+ sign 1078.059 ± 0.270 $\chi^2/\text{NDF}: 1530843.8/17$

All: 1091.215 ± 0.191 $\chi^2/\text{NDF}: 3178510.1/38$

- sign 1104.466 ± 0.271 $\chi^2/\text{NDF}: 1642895.8/20$

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/18

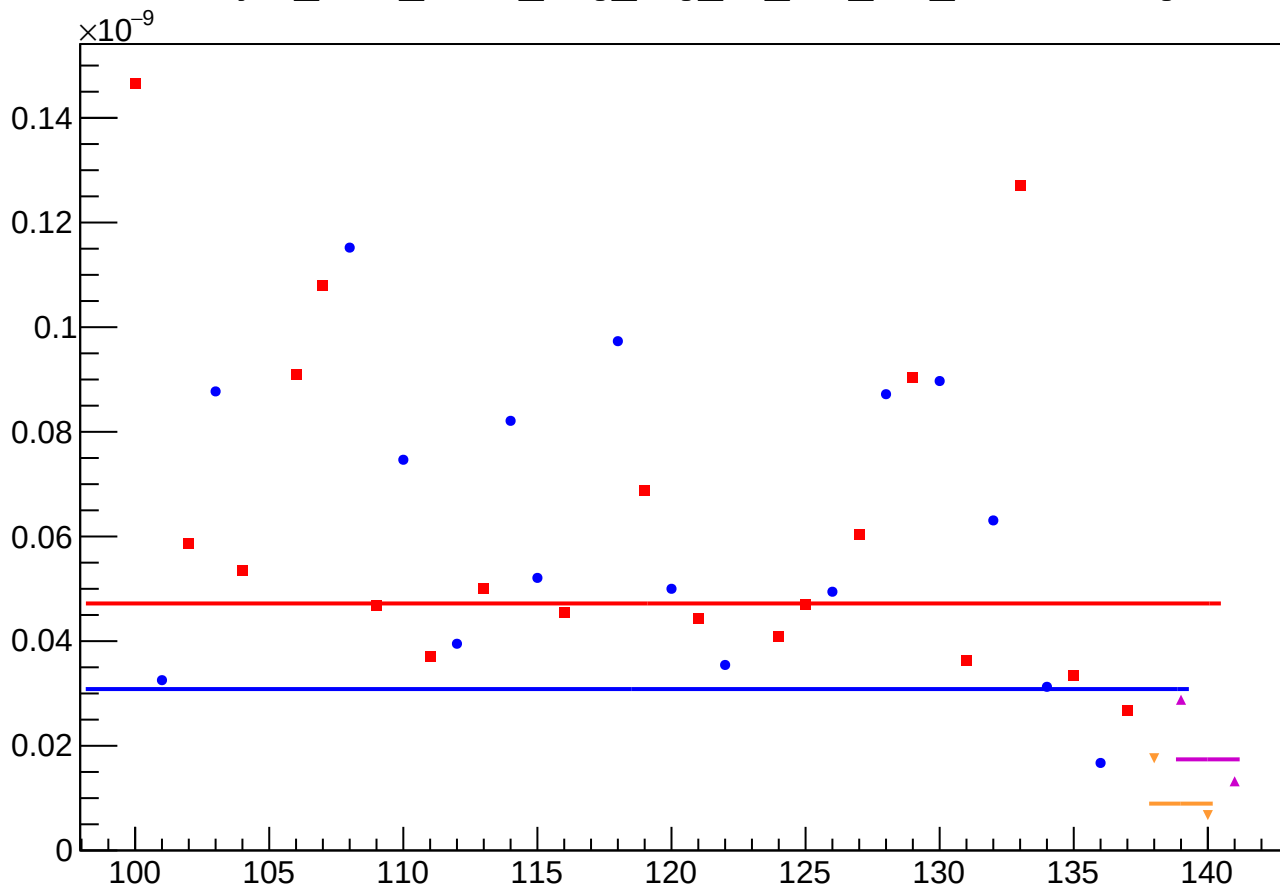
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/17

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/20

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

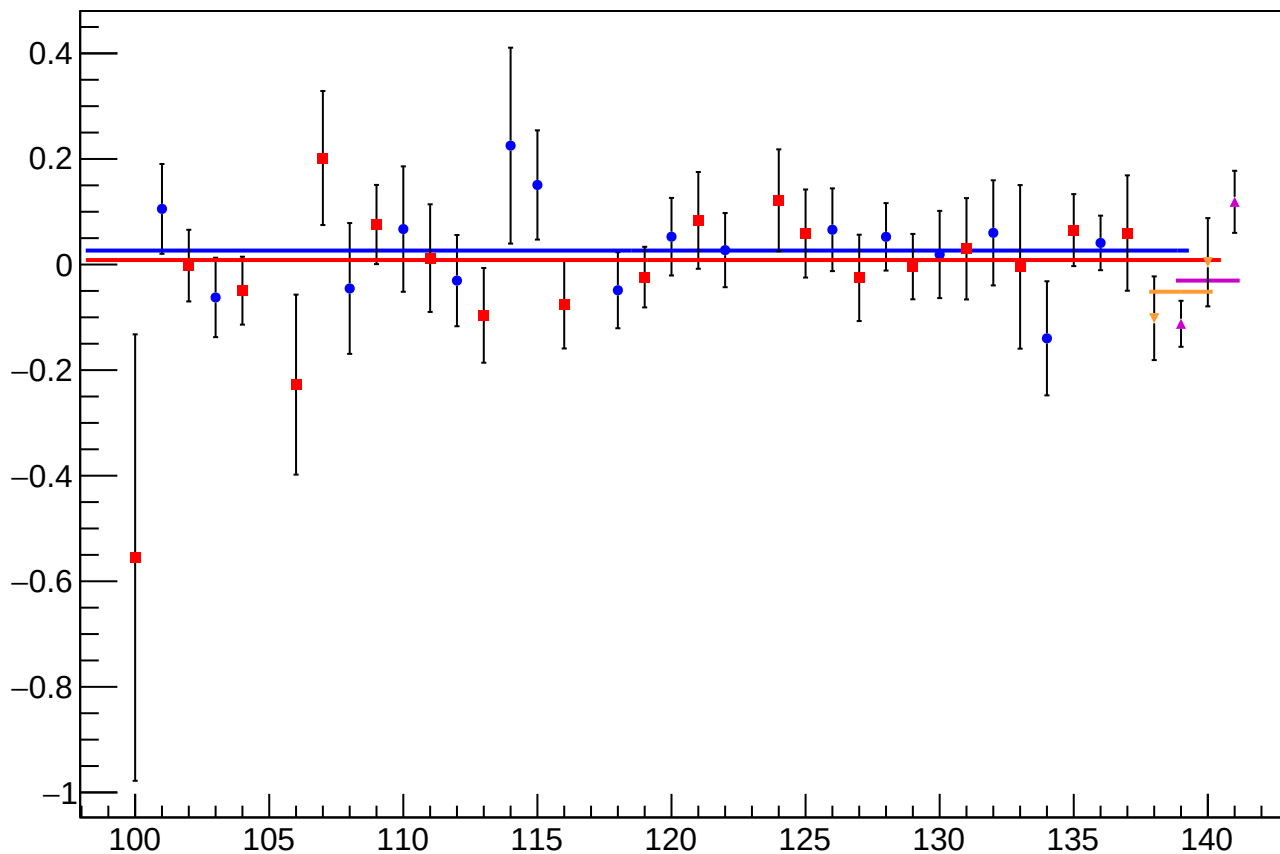
Left In: 0.000+/-0.000 χ^2/NDF : 212234.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 3593837.1/17

All: 0.000+/-0.000 χ^2/NDF : 6702264.1/38

- sign 0.000+/-0.000 χ^2/NDF : 2333276.5/20

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

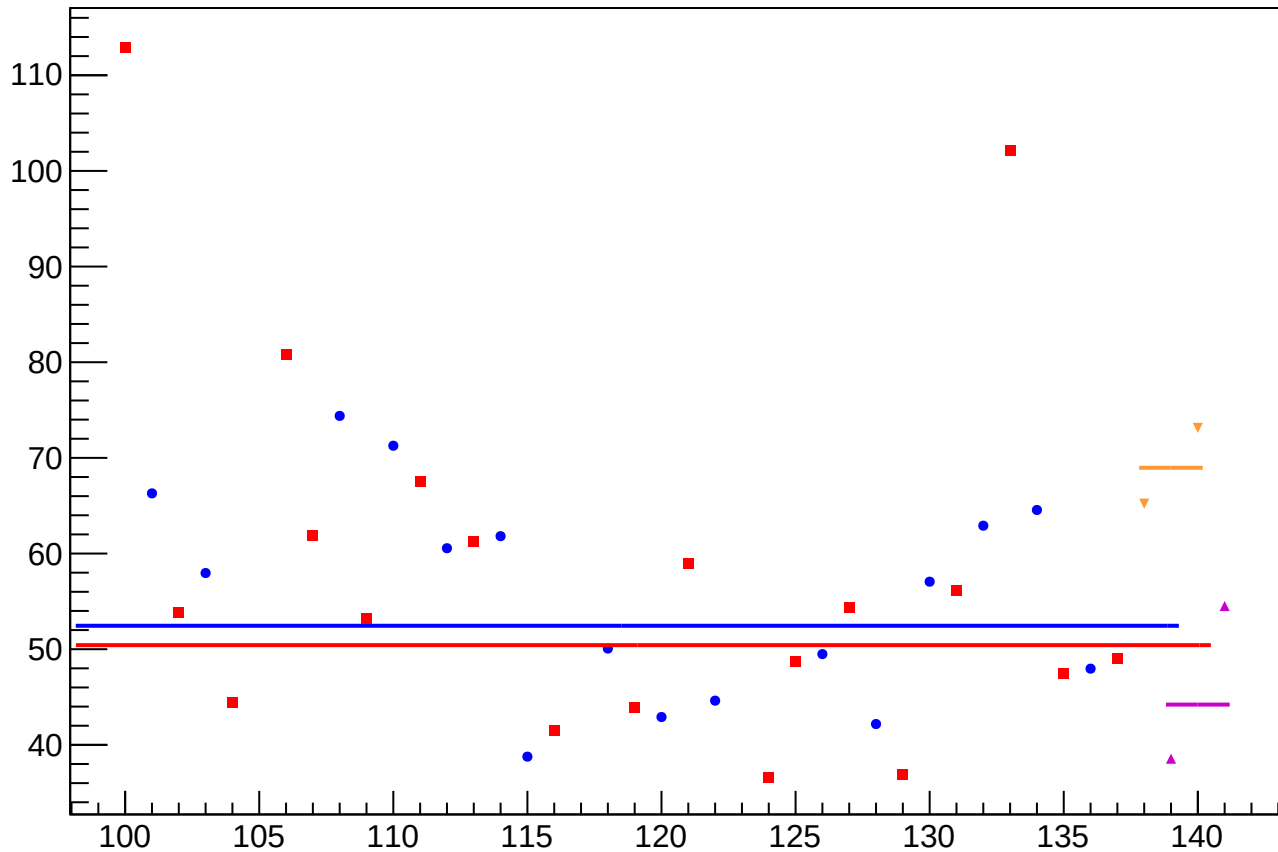
Left In: -0.030 $\pm$ 0.035 χ^2 /NDF: 10.0/1

+ sign 0.018 $\pm$ 0.019 χ^2 /NDF: 12.4/17

All: 0.007 $\pm$ 0.013 χ^2 /NDF: 37.8/38

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 24.9/20

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

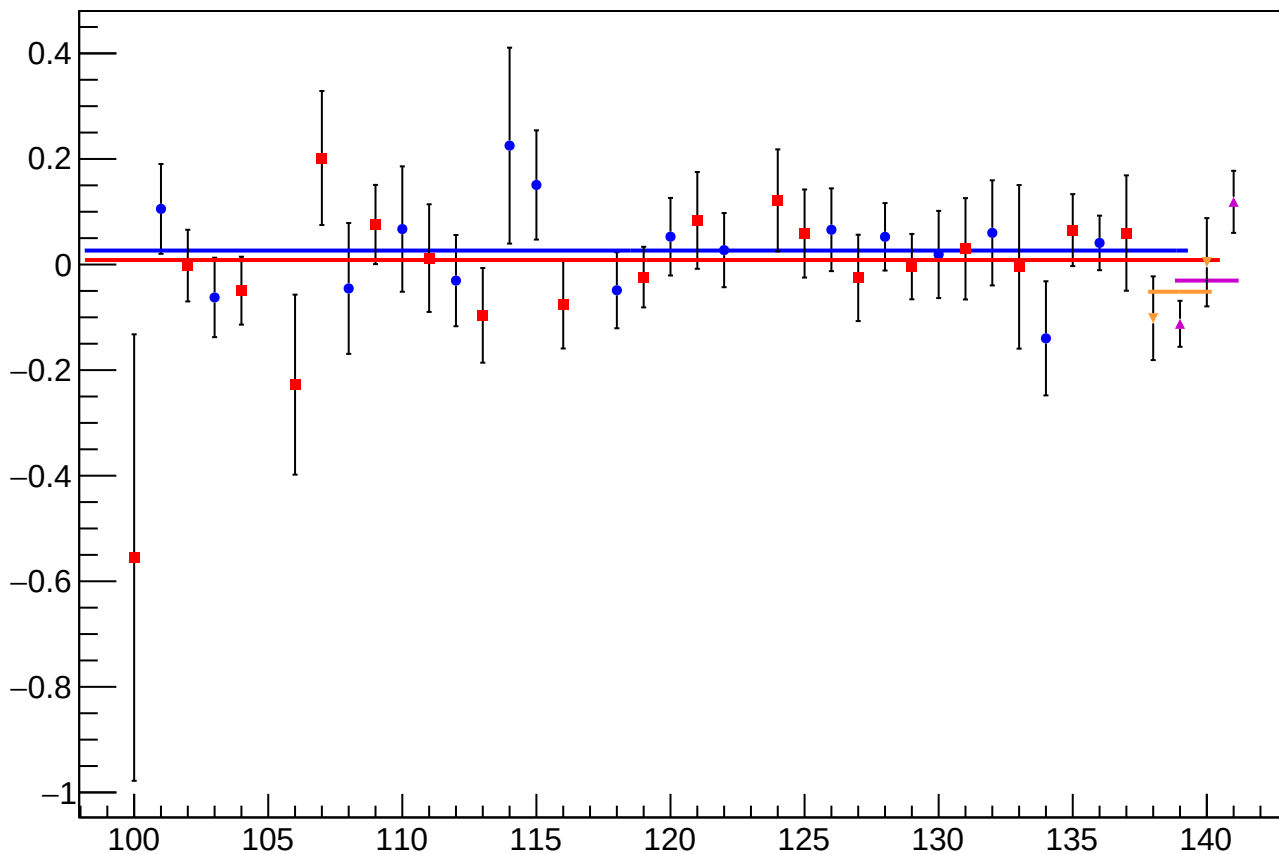
Left In: 44.210 $\pm$ 0.025 χ^2/NDF : 95136.6/1

+ sign 54.295 $\pm$ 0.014 χ^2/NDF : 573873.7/17

All: 51.300 $\pm$ 0.009 χ^2/NDF : 1480453.4/38

- sign 48.953 $\pm$ 0.012 χ^2/NDF : 820019.1/20

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 ± 0.020 χ^2/NDF : 9.9/15

Left Out: -0.051 ± 0.058 χ^2/NDF : 0.8/1

Right Out: 0.009 ± 0.019 χ^2/NDF : 13.9/18

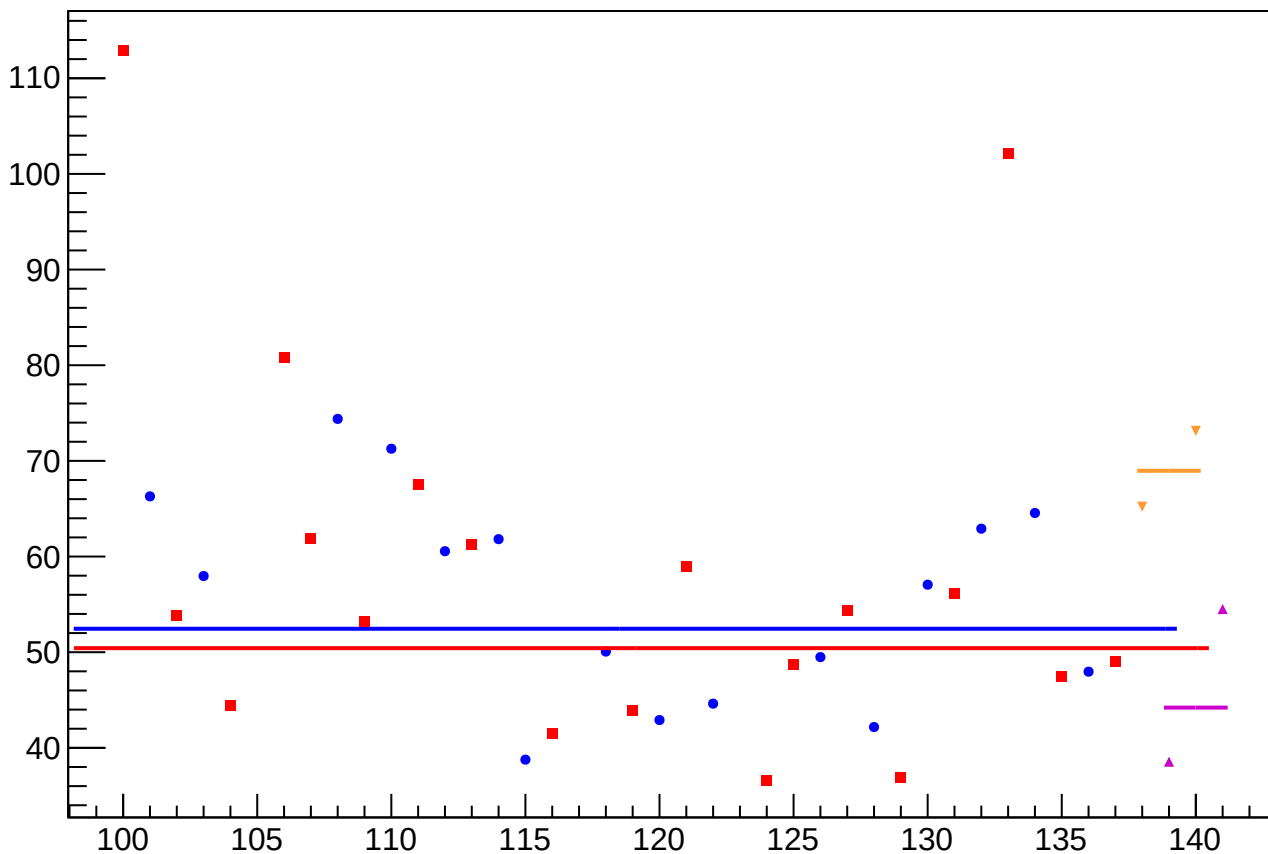
Left In: -0.030 ± 0.035 χ^2/NDF : 10.0/1

+ sign 0.018 ± 0.019 χ^2/NDF : 12.4/17

All: 0.007 ± 0.013 χ^2/NDF : 37.8/38

- sign -0.001 ± 0.017 χ^2/NDF : 24.9/20

asym_sam_2468_avg_dit_vs_eigen_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

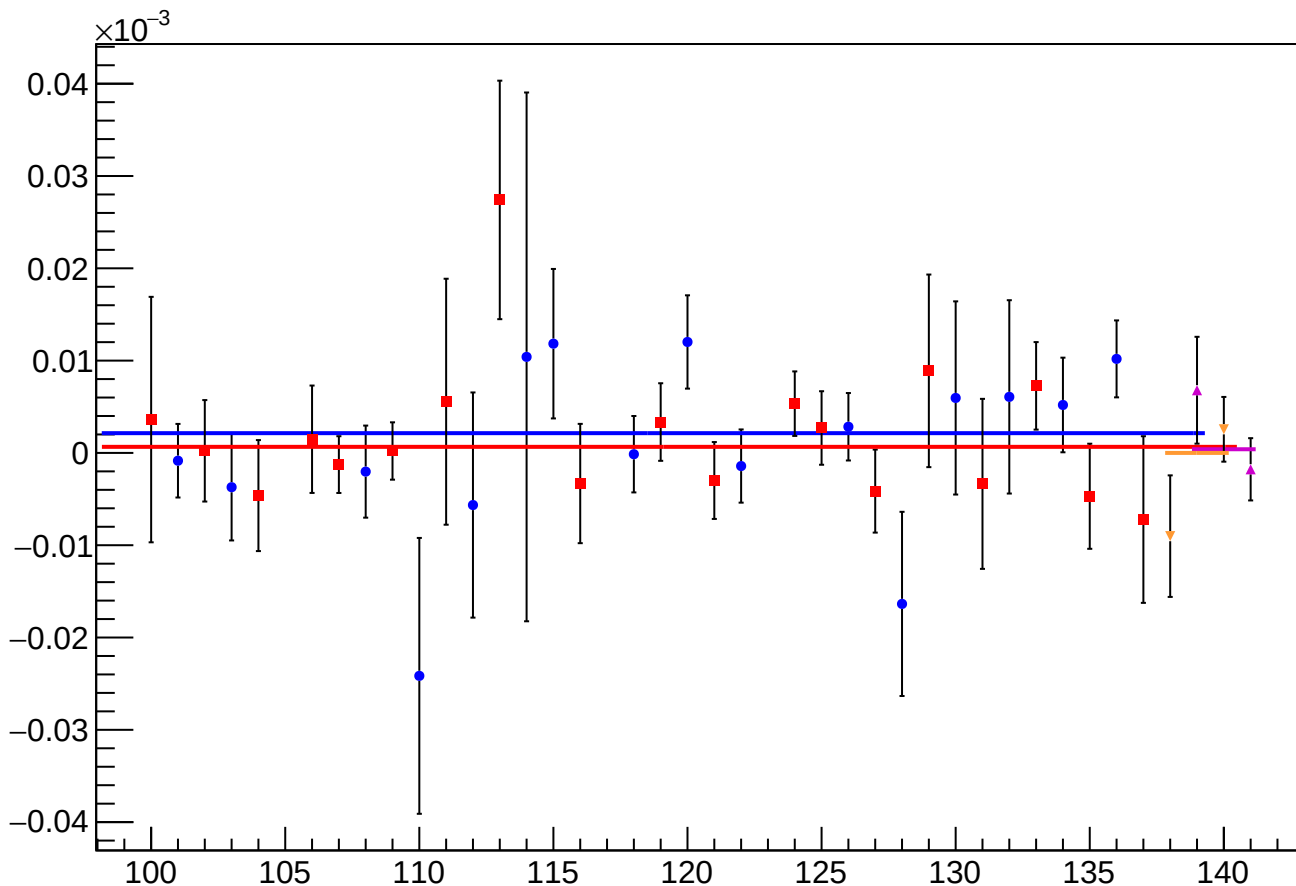
Left In: 44.210 $\pm$ 0.025 χ^2 /NDF: 95136.6/1

+ sign 54.295 $\pm$ 0.014 χ^2 /NDF: 573873.7/17

All: 51.300 $\pm$ 0.009 χ^2 /NDF: 1480453.4/38

- sign 48.953 $\pm$ 0.012 χ^2 /NDF: 820019.1/20

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

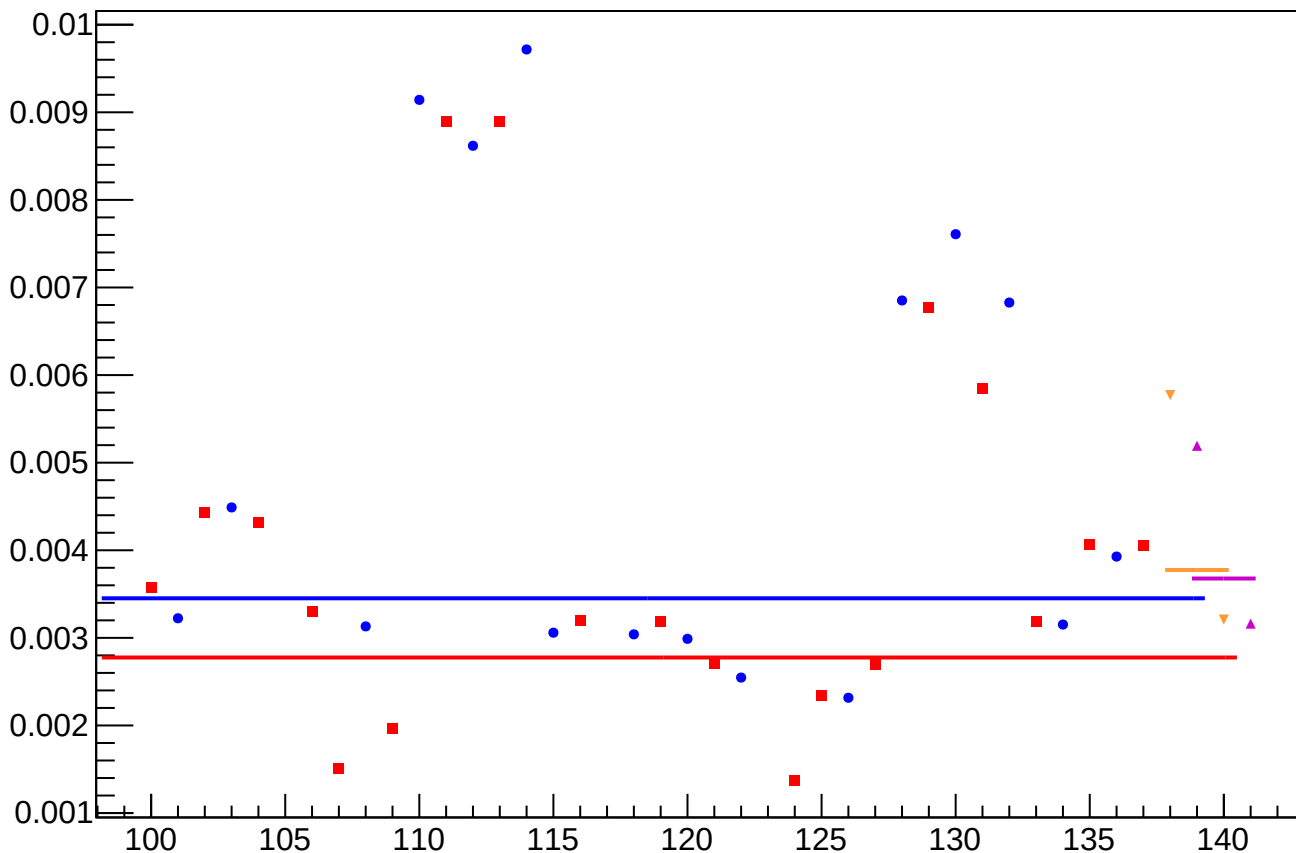
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.9/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/20

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1951102.6/15

Left Out: 0.004+/-0.000 χ^2/NDF : 236024.4/1

Right Out: 0.003+/-0.000 χ^2/NDF : 2734939.6/18

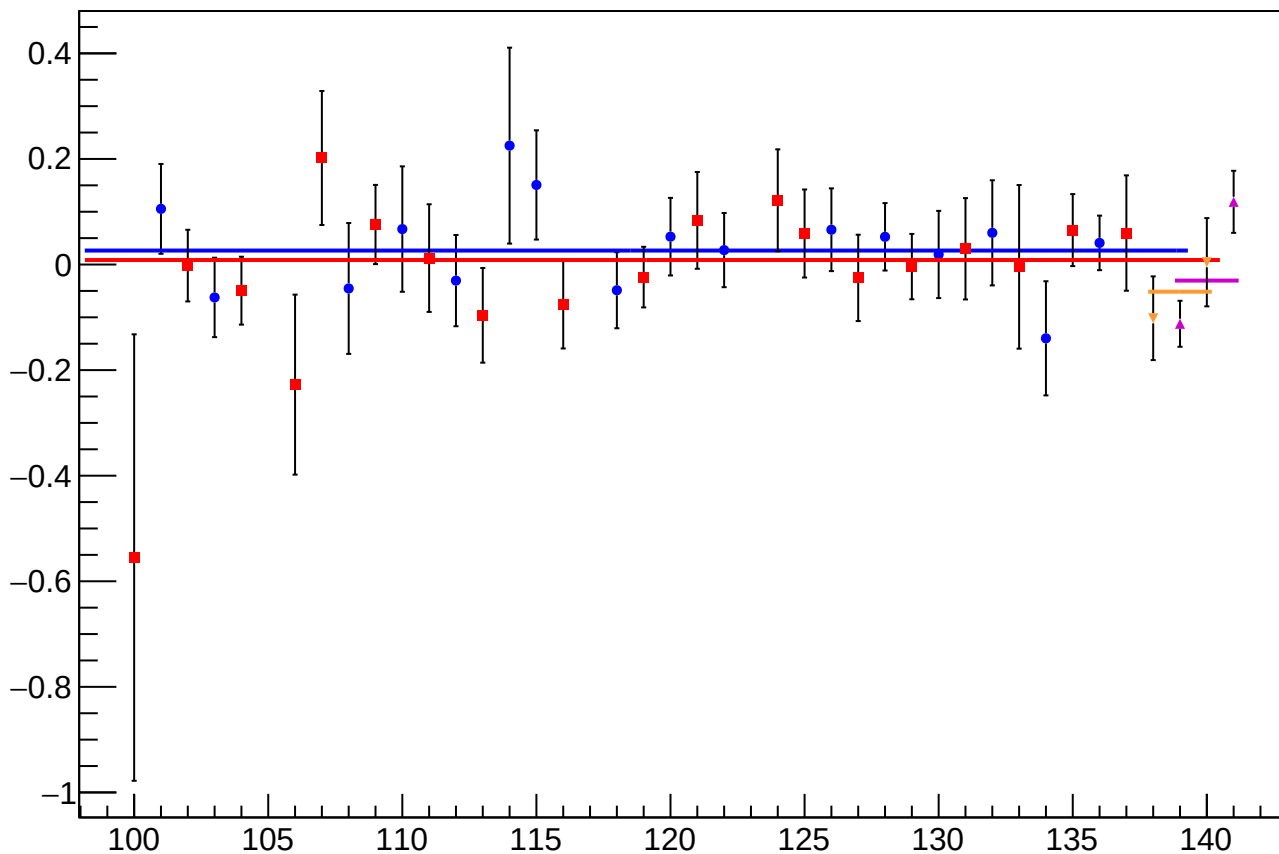
Left In: 0.004+/-0.000 χ^2/NDF : 183756.4/1

+ sign 0.004+/-0.000 χ^2/NDF : 2205302.6/17

All: 0.003+/-0.000 χ^2/NDF : 5560021.5/38

- sign 0.003+/-0.000 χ^2/NDF : 3084448.8/20

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 ± 0.020 χ^2/NDF : 9.9/15

Left Out: -0.051 ± 0.058 χ^2/NDF : 0.8/1

Right Out: 0.009 ± 0.019 χ^2/NDF : 13.9/18

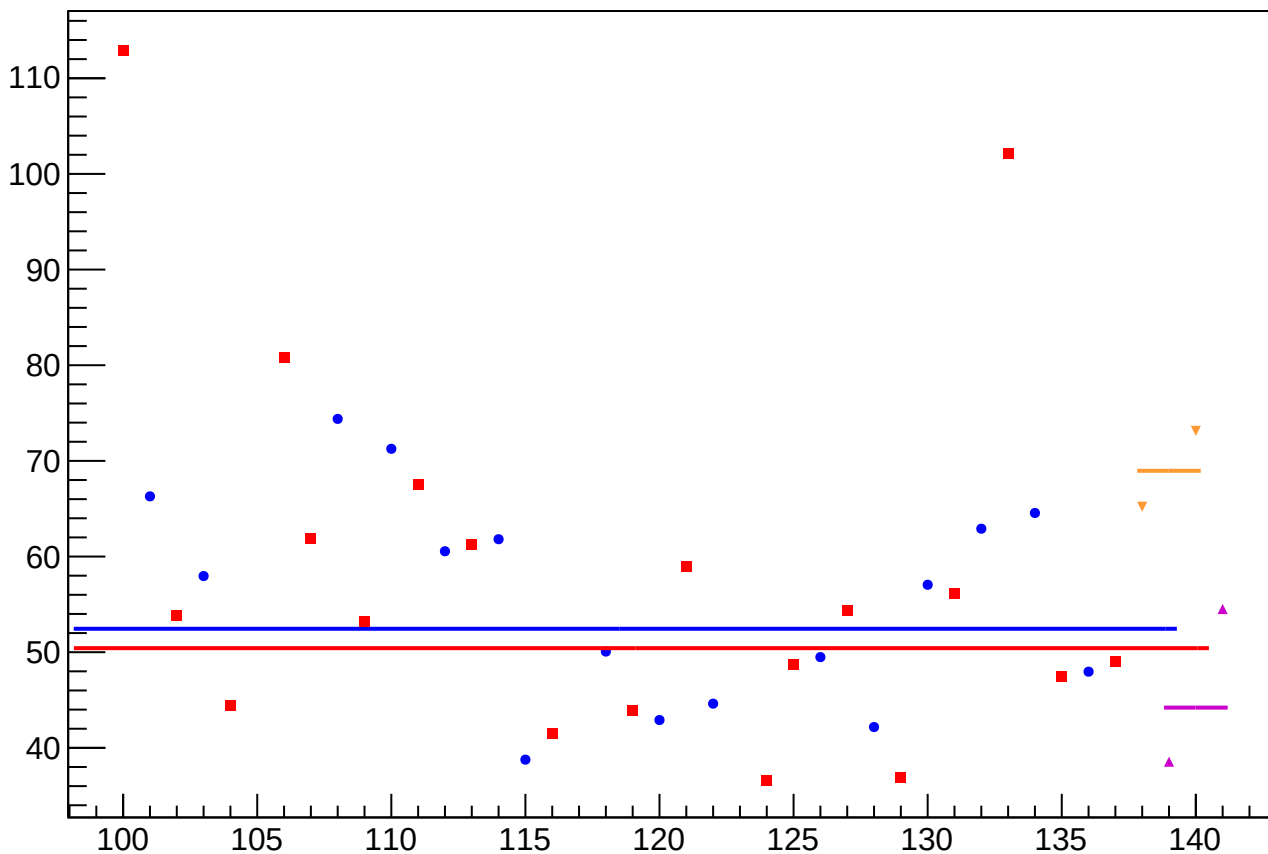
Left In: -0.030 ± 0.035 χ^2/NDF : 10.0/1

+ sign 0.018 ± 0.019 χ^2/NDF : 12.4/17

All: 0.007 ± 0.013 χ^2/NDF : 37.8/38

- sign -0.001 ± 0.017 χ^2/NDF : 24.9/20

asym_sam_2468_avg_eigen_dit_vs_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

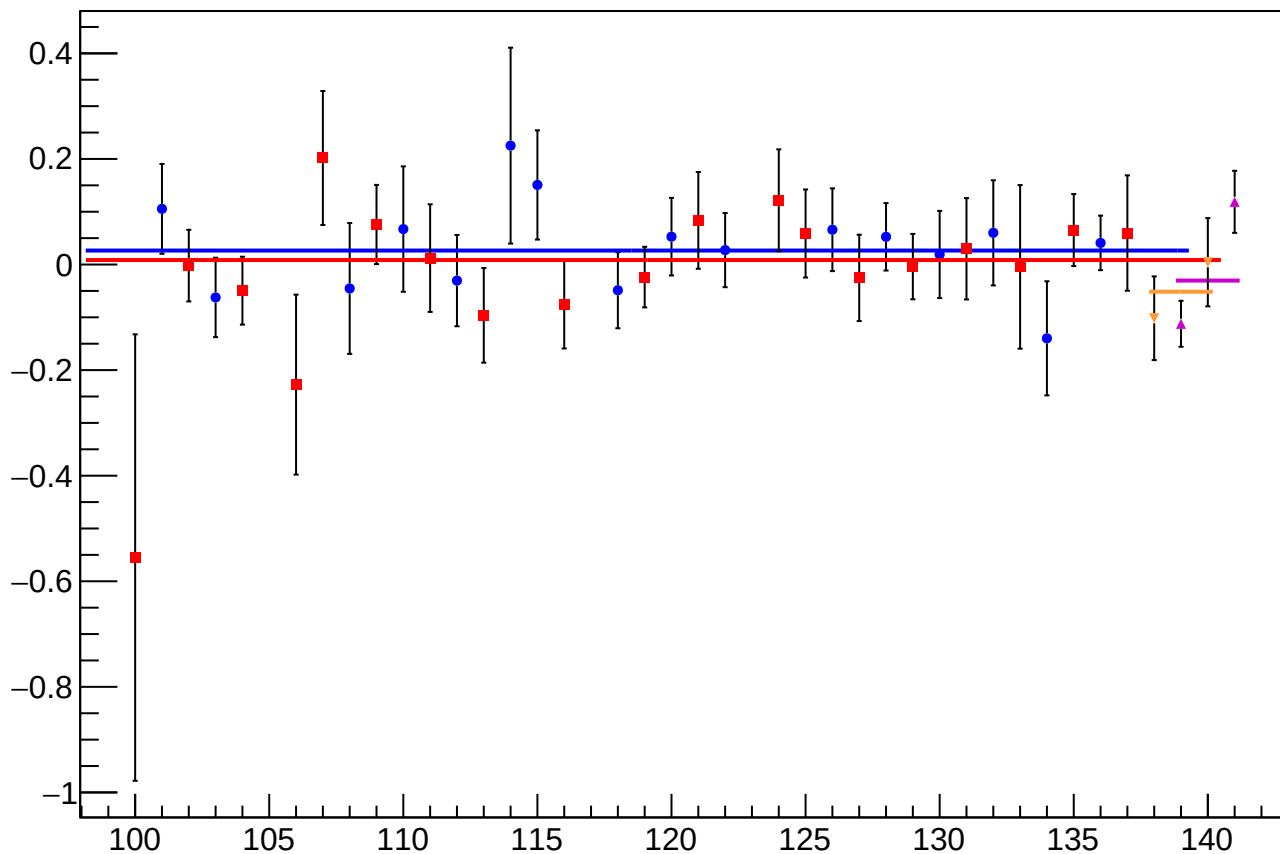
Left In: 44.209 $\pm$ 0.025 χ^2/NDF : 95151.7/1

+ sign 54.294 $\pm$ 0.014 χ^2/NDF : 573841.8/17

All: 51.299 $\pm$ 0.009 χ^2/NDF : 1480434.1/38

- sign 48.952 $\pm$ 0.012 χ^2/NDF : 820034.1/20

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

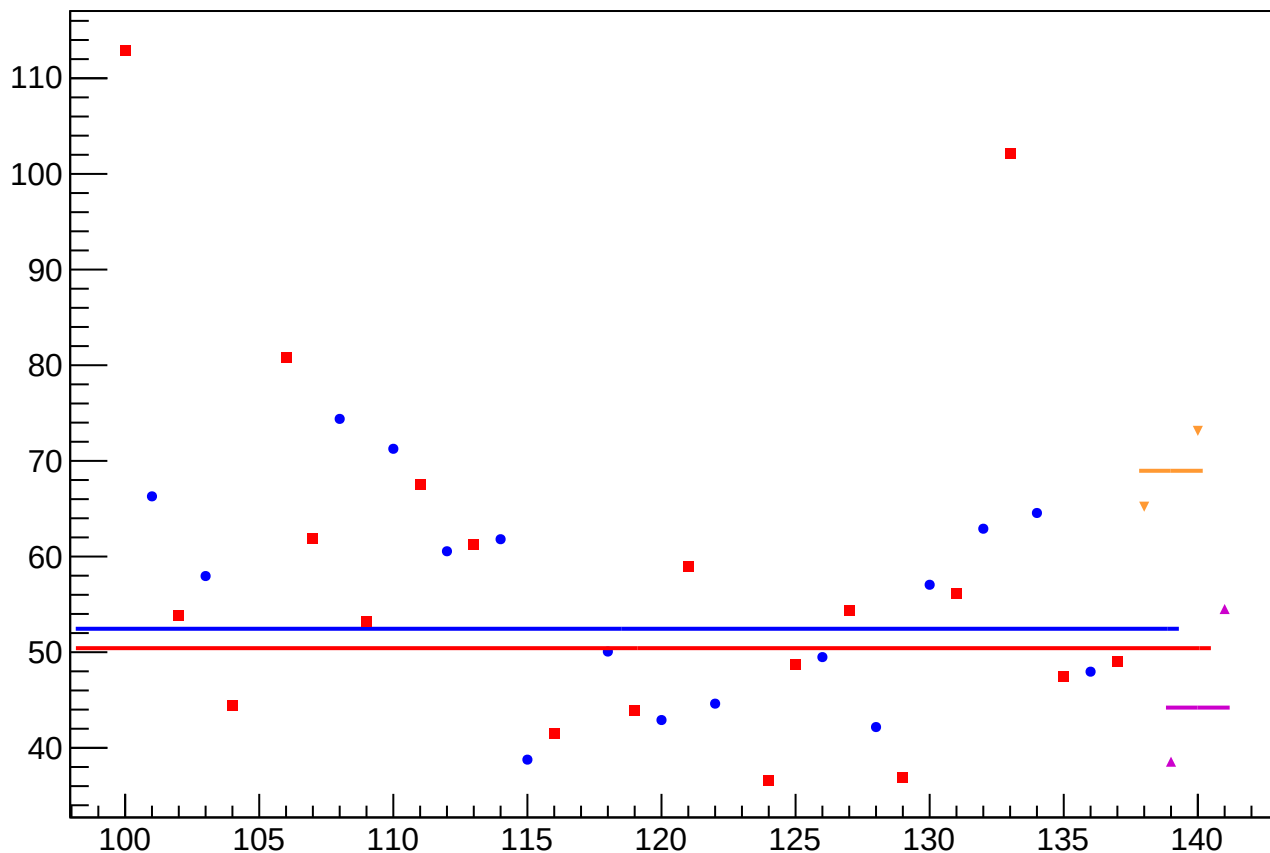
Left In: -0.030 $\pm$ 0.035 χ^2 /NDF: 10.0/1

+ sign 0.018 $\pm$ 0.019 χ^2 /NDF: 12.4/17

All: 0.007 $\pm$ 0.013 χ^2 /NDF: 37.8/38

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 24.9/20

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

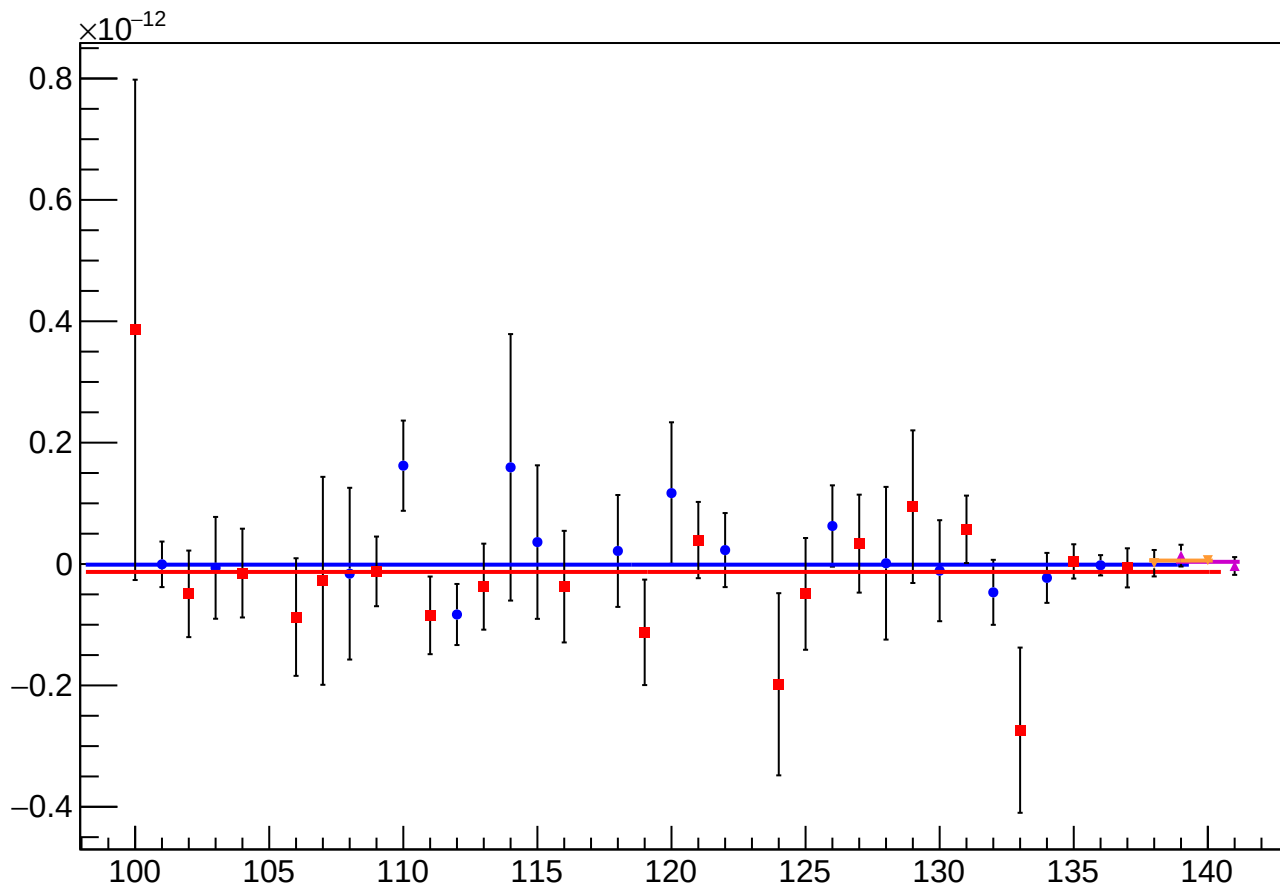
Left In: 44.209 $\pm$ 0.025 χ^2 /NDF: 95151.7/1

+ sign 54.294 $\pm$ 0.014 χ^2 /NDF: 573841.8/17

All: 51.299 $\pm$ 0.009 χ^2 /NDF: 1480434.1/38

- sign 48.952 $\pm$ 0.012 χ^2 /NDF: 820034.1/20

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/18

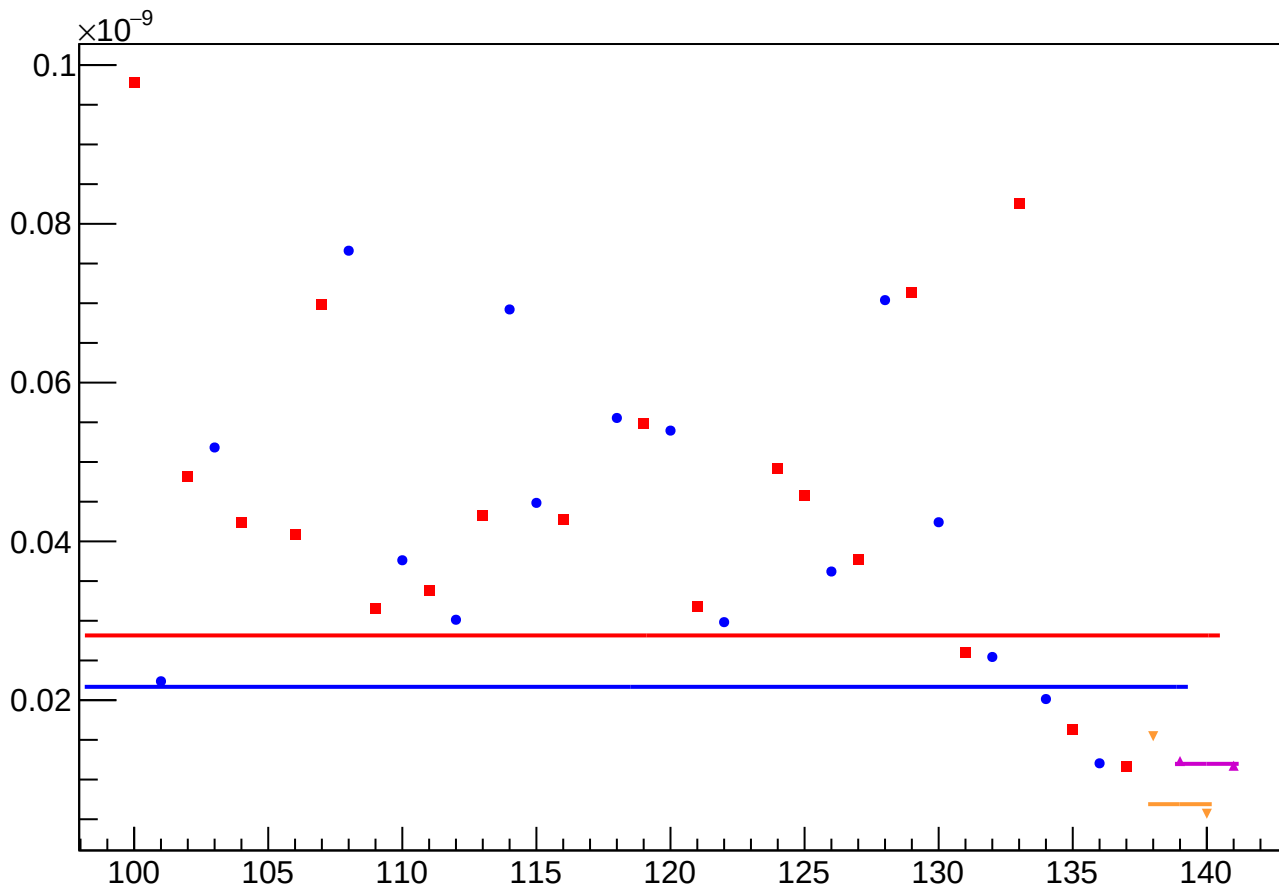
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.5/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/20

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

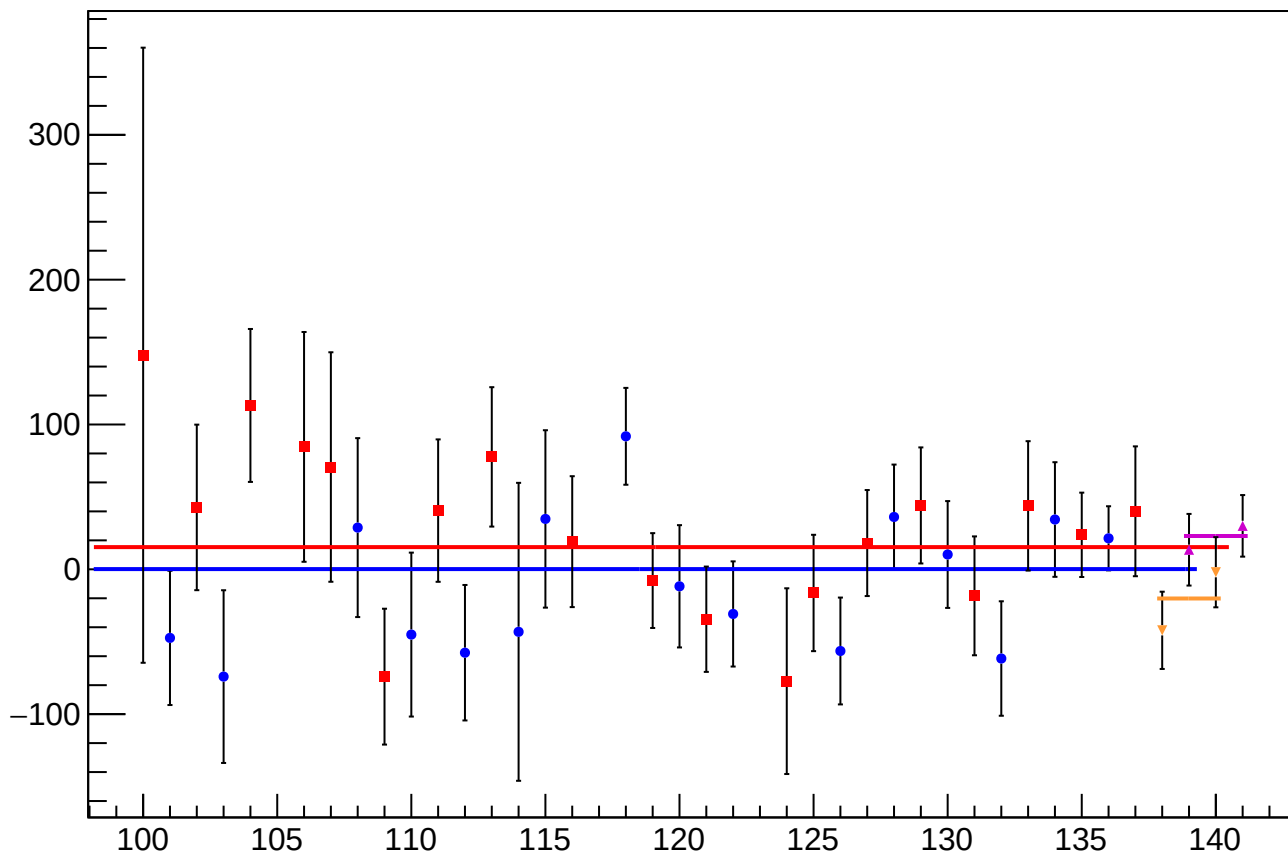
Left In: 0.000+/-0.000 χ^2/NDF : 1294.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 5035765.6/17

All: 0.000+/-0.000 χ^2/NDF : 9753853.5/38

- sign 0.000+/-0.000 χ^2/NDF : 3926396.2/20

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -20.148 ± 17.932 χ^2/NDF : 1.2/1

Right Out: 15.333 ± 10.267 χ^2/NDF : 17.9/18

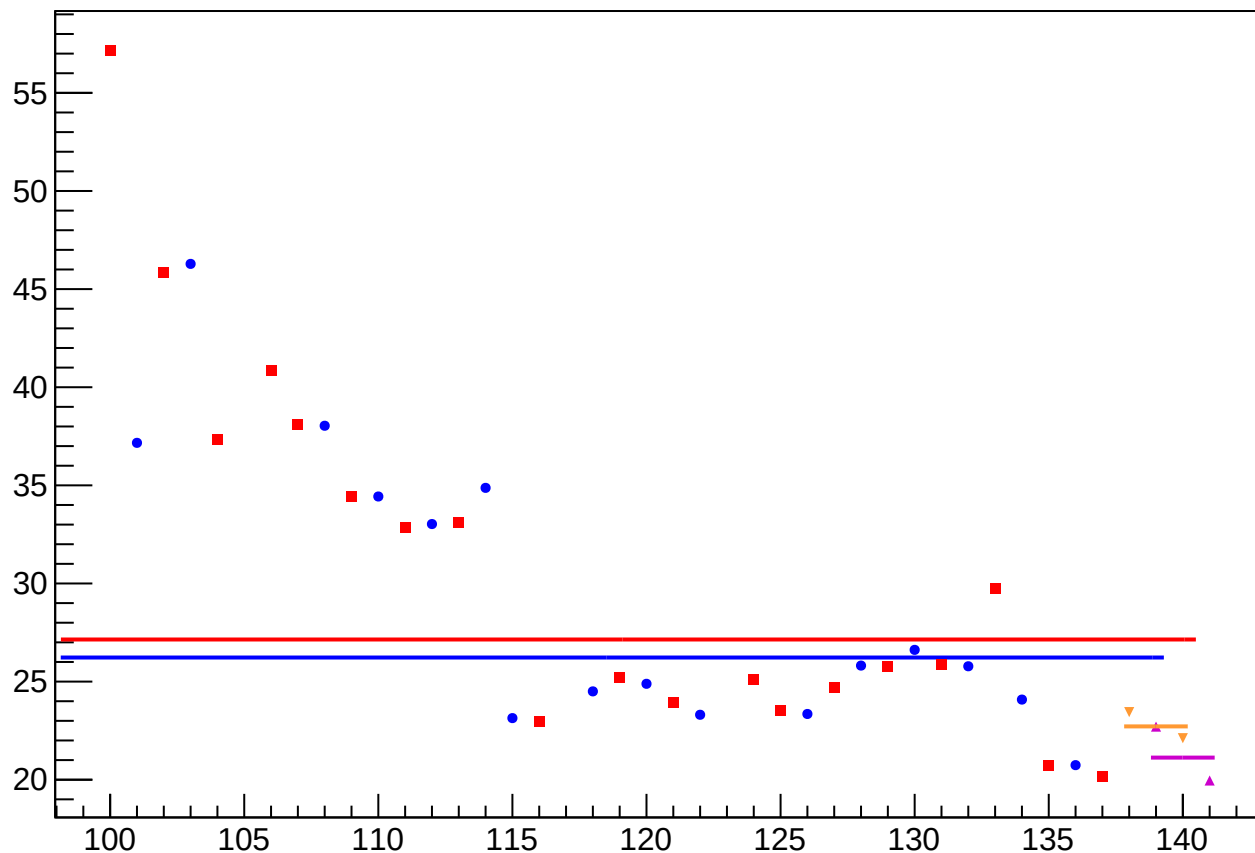
Left In: 23.004 ± 16.124 χ^2/NDF : 0.3/1

+ sign -4.696 ± 8.765 χ^2/NDF : 23.5/17

All: 6.559 ± 6.161 χ^2/NDF : 45.2/38

- sign 17.546 ± 8.660 χ^2/NDF : 18.4/20

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

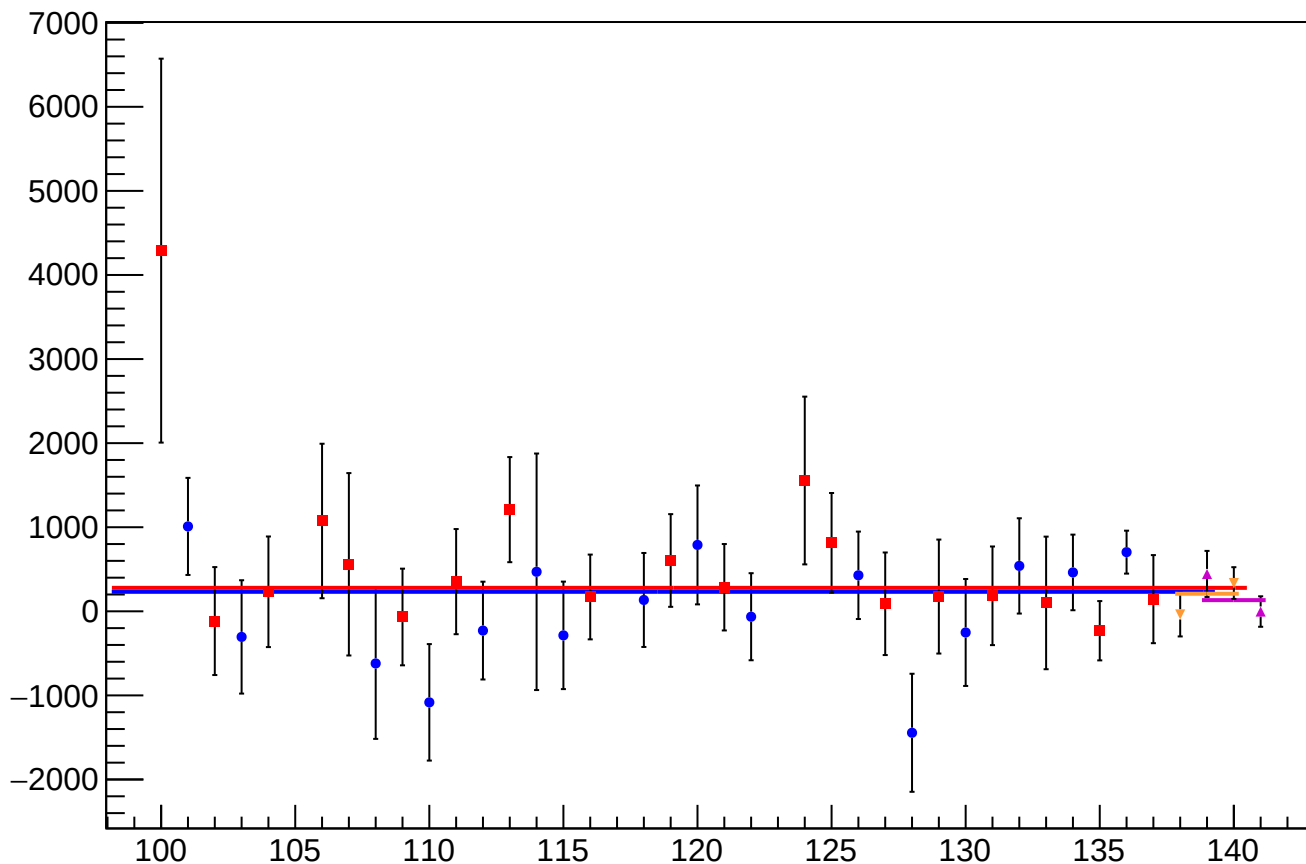
Left In: 21.127 $\pm$ 0.011 χ^2 /NDF: 14177.7/1

+ sign 25.388 $\pm$ 0.006 χ^2 /NDF: 737063.4/17

All: 25.399 $\pm$ 0.004 χ^2 /NDF: 1704936.5/38

- sign 25.409 $\pm$ 0.006 χ^2 /NDF: 967867.3/20

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

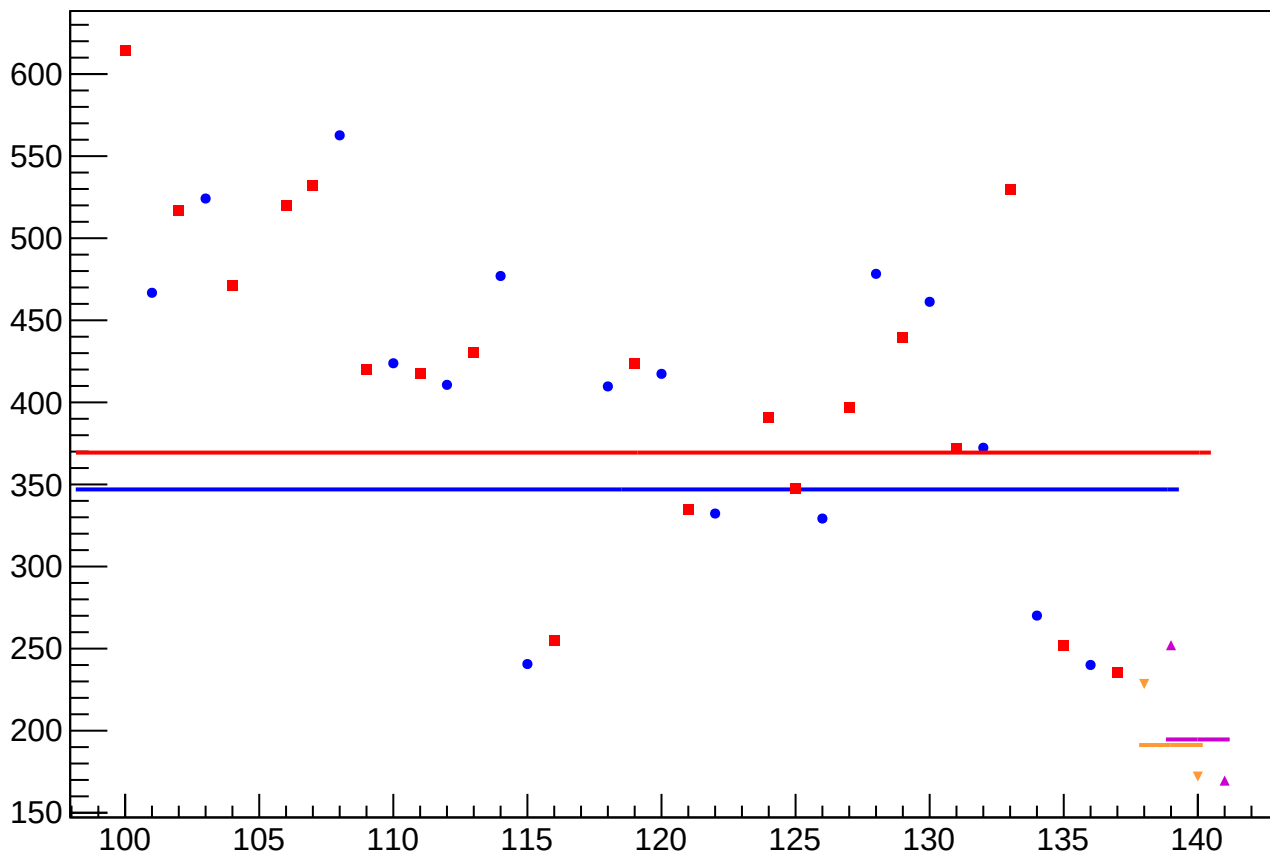
Left In: 132.999 $\pm$ 151.233 χ^2 /NDF: 1.8/1

+ sign 222.012 $\pm$ 101.172 χ^2 /NDF: 21.0/17

All: 216.916 $\pm$ 72.082 χ^2 /NDF: 35.4/38

- sign 211.663 $\pm$ 102.723 χ^2 /NDF: 14.4/20

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 346.969 +/- 0.095 χ^2/NDF : 1058029.4/15

Left Out: 191.268 +/- 0.108 χ^2/NDF : 61138.6/1

Right Out: 369.410 +/- 0.099 χ^2/NDF : 918852.6/18

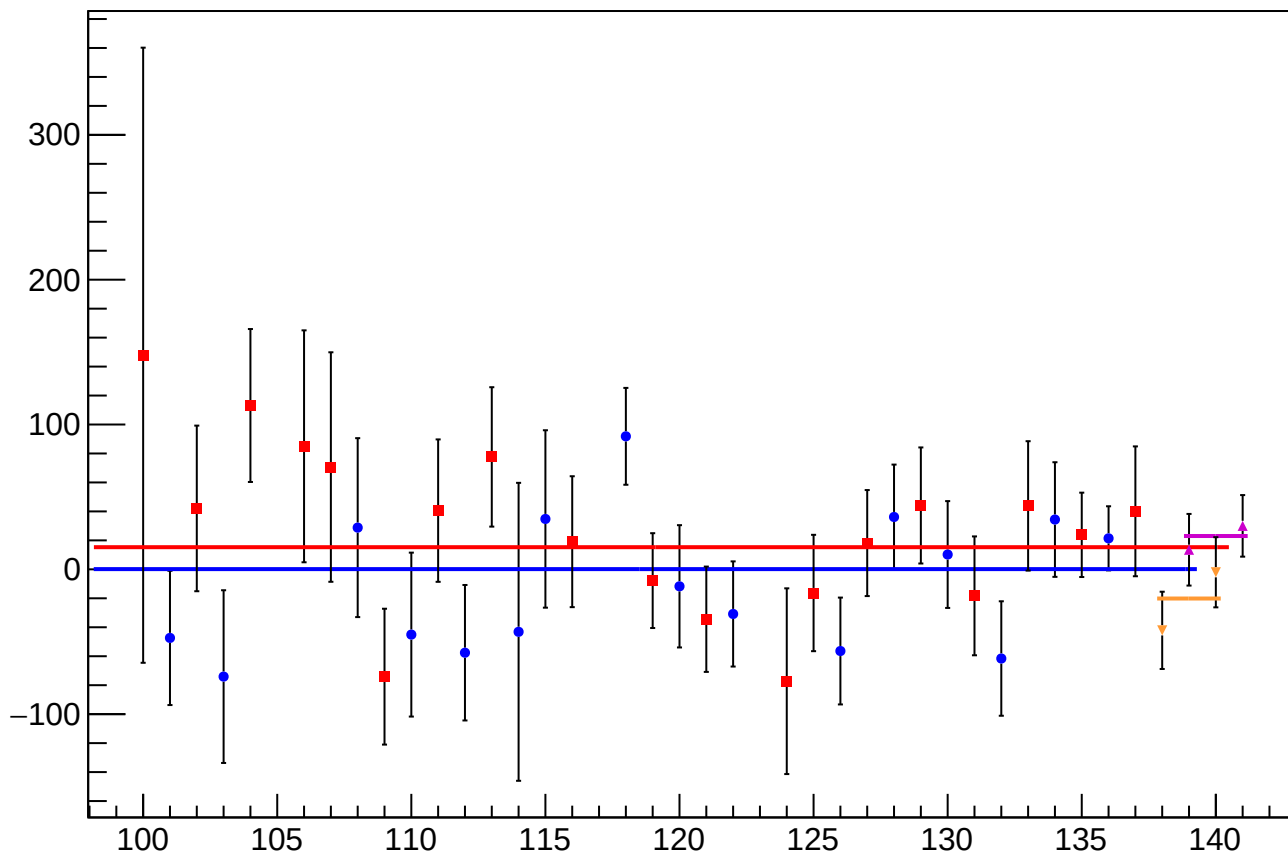
Left In: 194.663 +/- 0.107 χ^2/NDF : 125837.4/1

+ sign 278.883 +/- 0.072 χ^2/NDF : 2284754.7/17

All: 283.760 +/- 0.051 χ^2/NDF : 4777202.3/38

- sign 288.788 +/- 0.073 χ^2/NDF : 2483007.6/20

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -20.152 ± 17.932 χ^2/NDF : 1.2/1

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

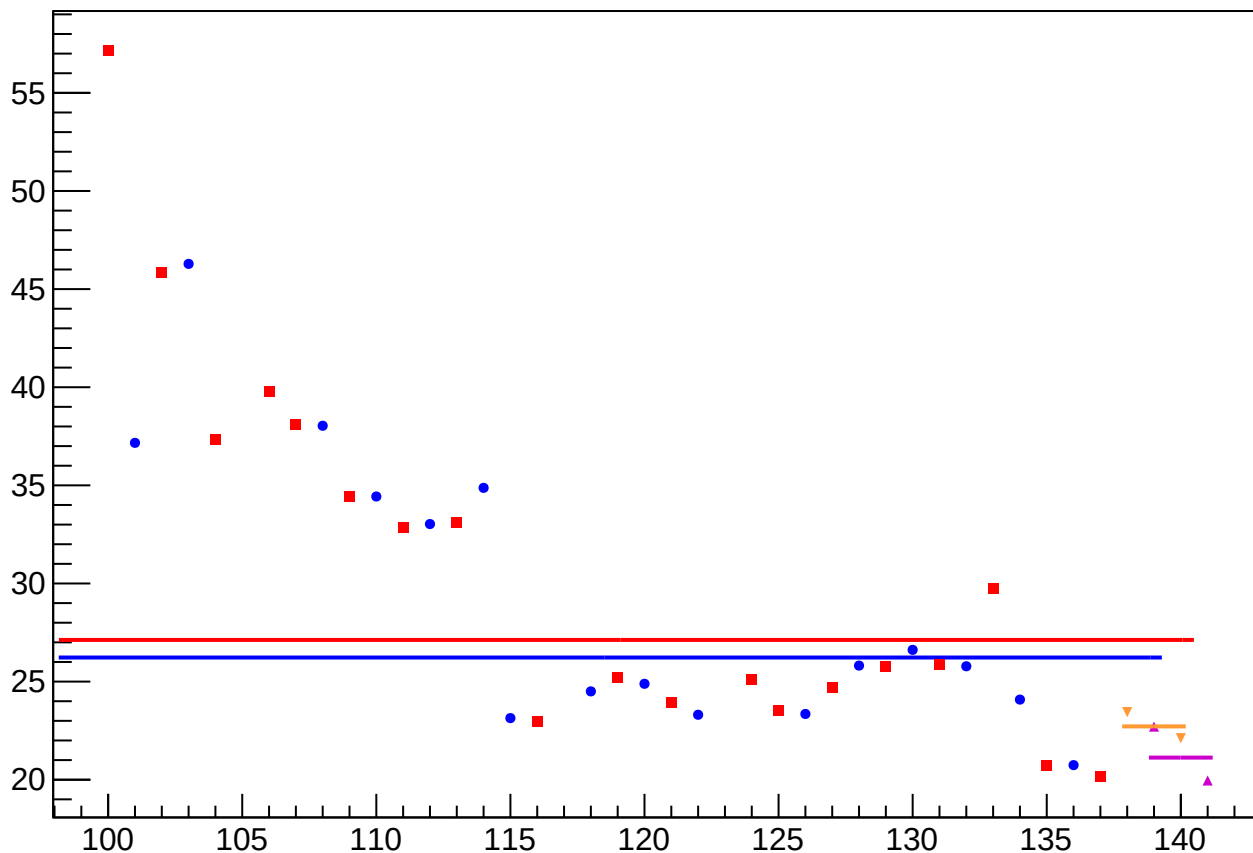
Left In: 23.008 ± 16.124 χ^2/NDF : 0.3/1

+ sign -4.695 ± 8.765 χ^2/NDF : 23.5/17

All: 6.544 ± 6.161 χ^2/NDF : 45.1/38

- sign 17.518 ± 8.661 χ^2/NDF : 18.3/20

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

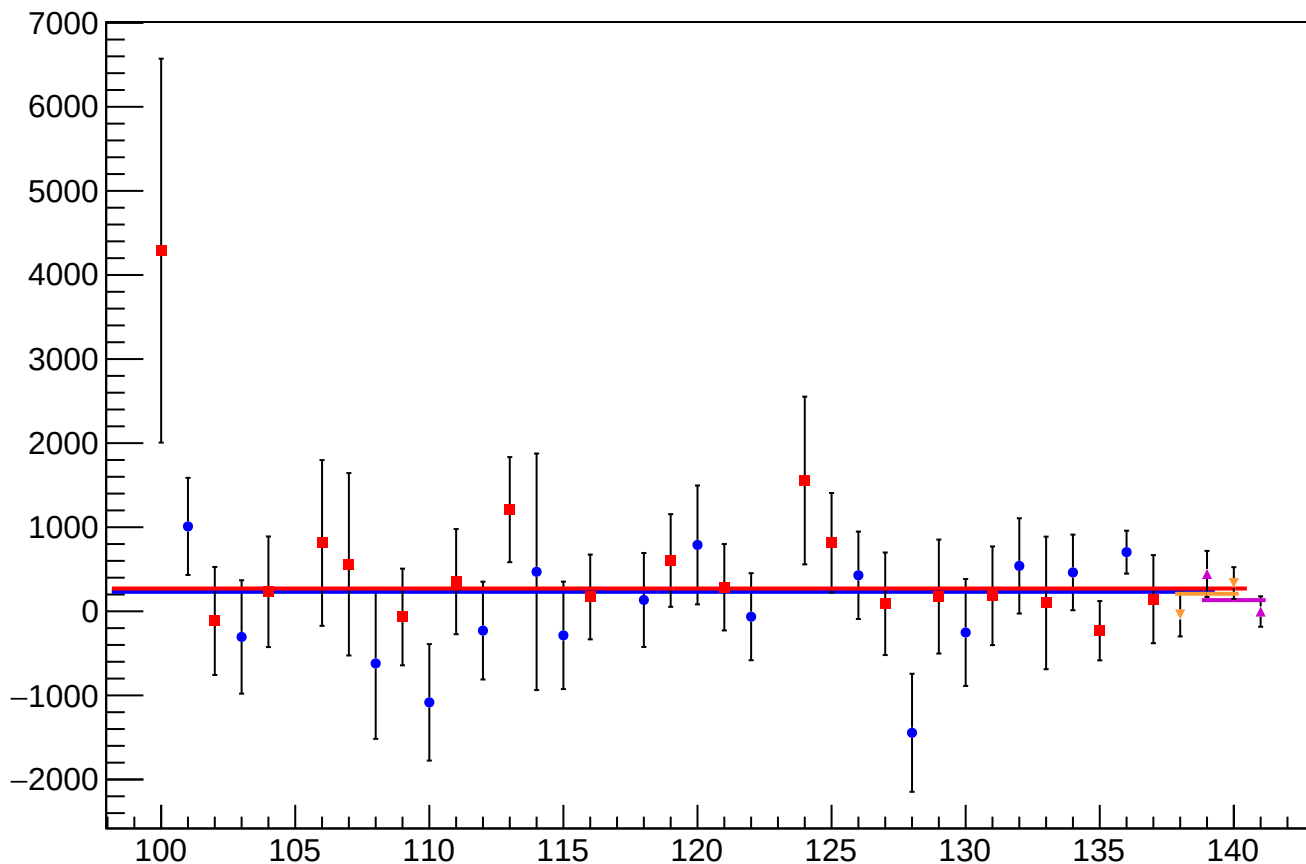
Left In: 21.127 $\pm$ 0.011 χ^2 /NDF: 14177.7/1

+ sign 25.388 $\pm$ 0.006 χ^2 /NDF: 737066.8/17

All: 25.391 $\pm$ 0.004 χ^2 /NDF: 1693730.2/38

- sign 25.393 $\pm$ 0.006 χ^2 /NDF: 956663.1/20

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

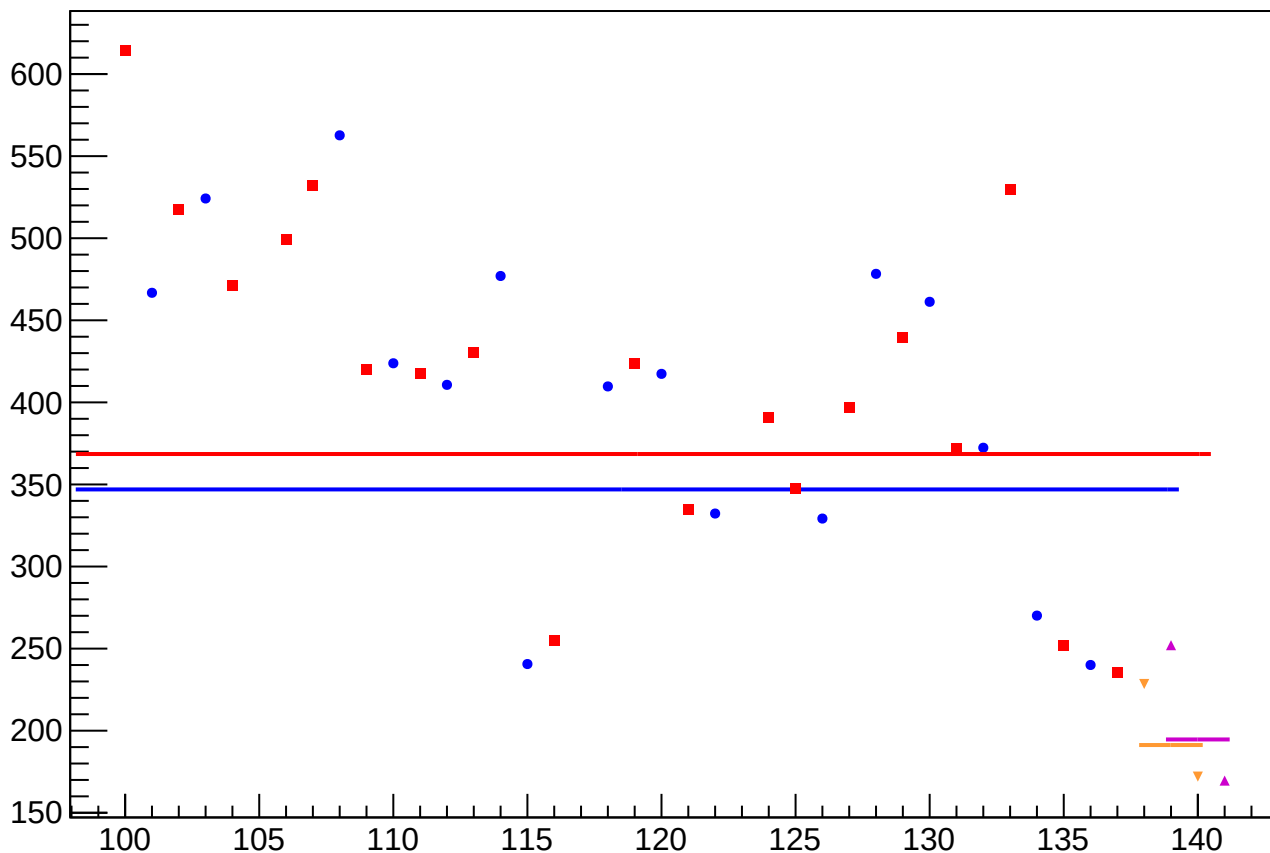
Left In: 133.001 $\pm$ 151.233 χ^2 /NDF: 1.8/1

+ sign 222.005 $\pm$ 101.172 χ^2 /NDF: 21.0/17

All: 214.843 $\pm$ 72.111 χ^2 /NDF: 34.9/38

- sign 207.448 $\pm$ 102.809 χ^2 /NDF: 13.9/20

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

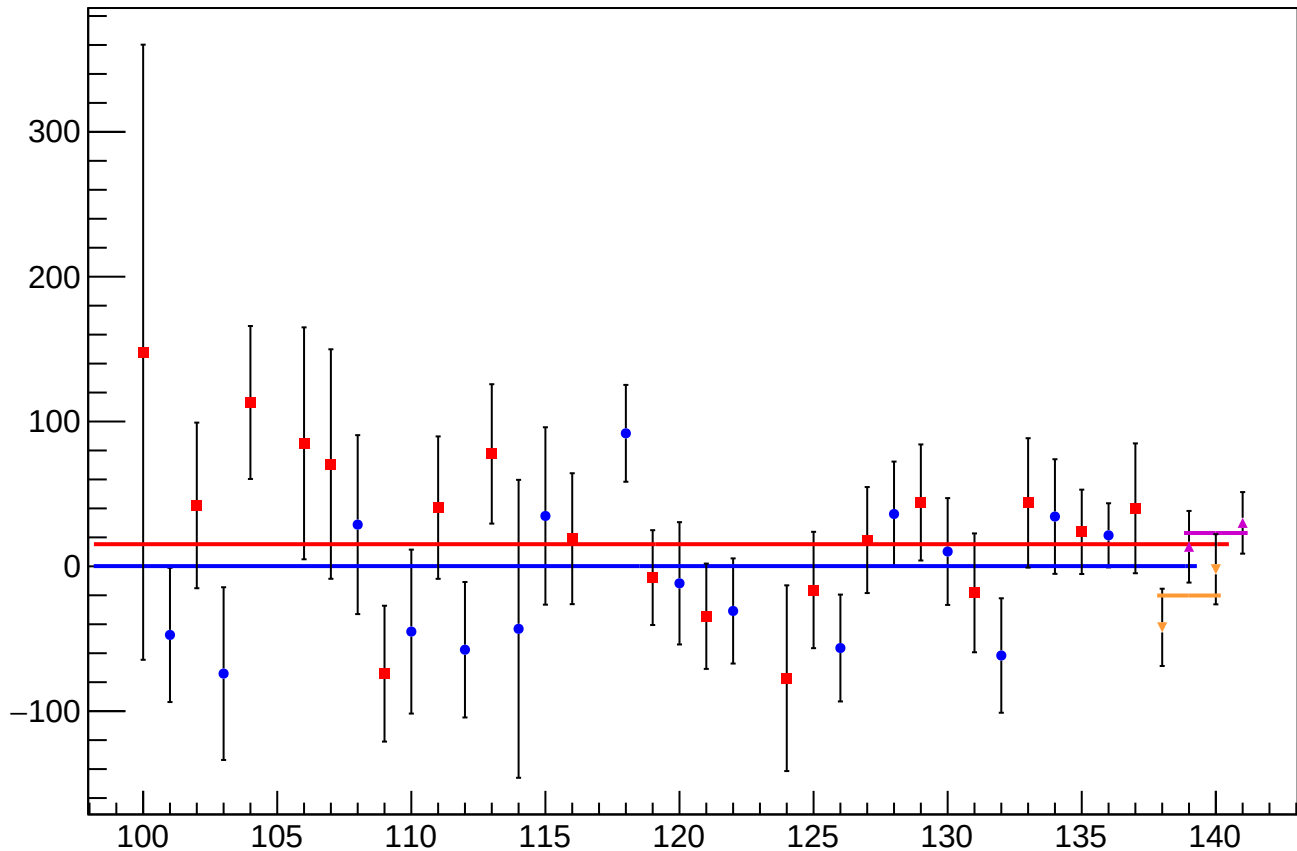
Left In: 194.663 $\pm$ 0.107 χ^2 /NDF: 125836.6/1

+ sign 278.883 $\pm$ 0.072 χ^2 /NDF: 2284787.4/17

All: 283.460 $\pm$ 0.051 χ^2 /NDF: 4741202.3/38

- sign 288.187 $\pm$ 0.073 χ^2 /NDF: 2448092.7/20

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -20.152 ± 17.932 χ^2/NDF : 1.2/1

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

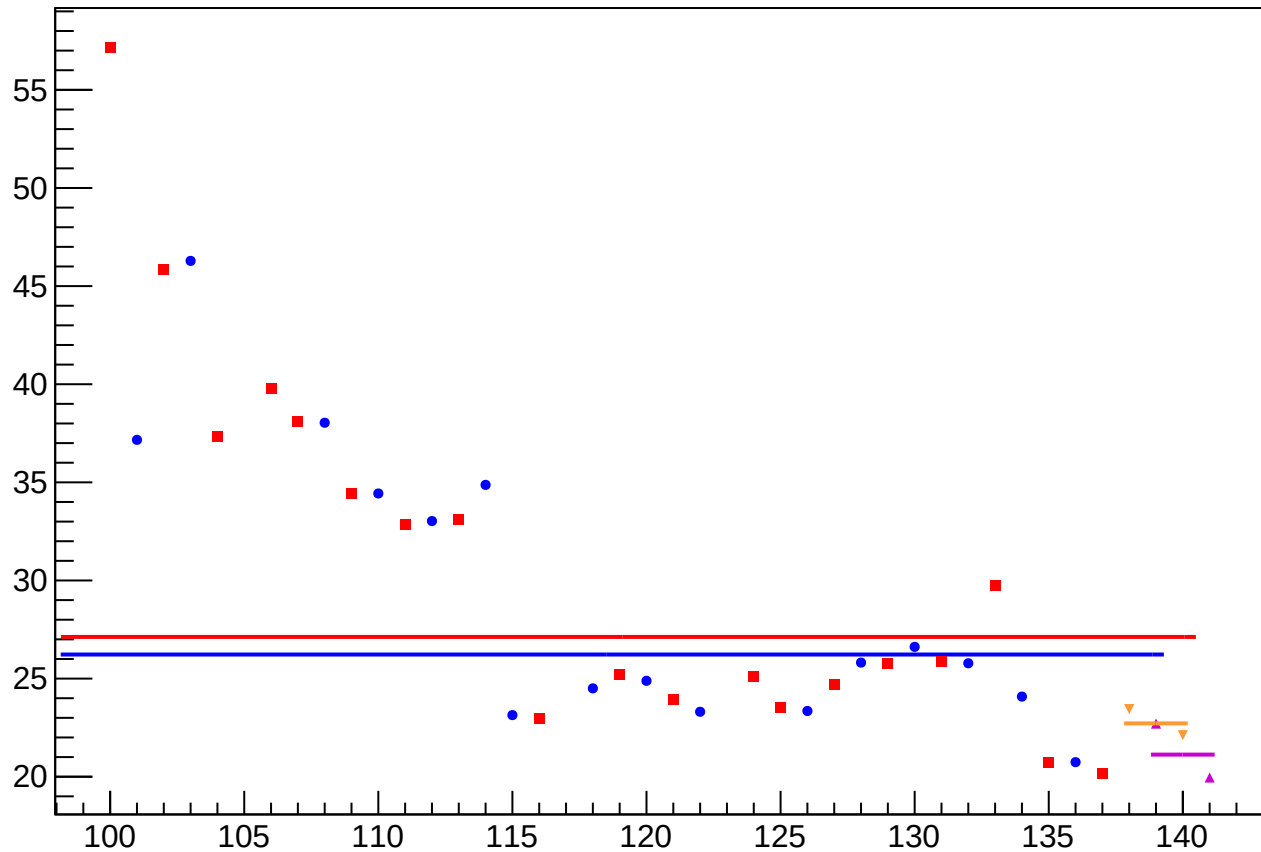
Left In: 23.008 ± 16.124 χ^2/NDF : 0.3/1

+ sign -4.695 ± 8.765 χ^2/NDF : 23.5/17

All: 6.544 ± 6.161 χ^2/NDF : 45.1/38

- sign 17.518 ± 8.661 χ^2/NDF : 18.3/20

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 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

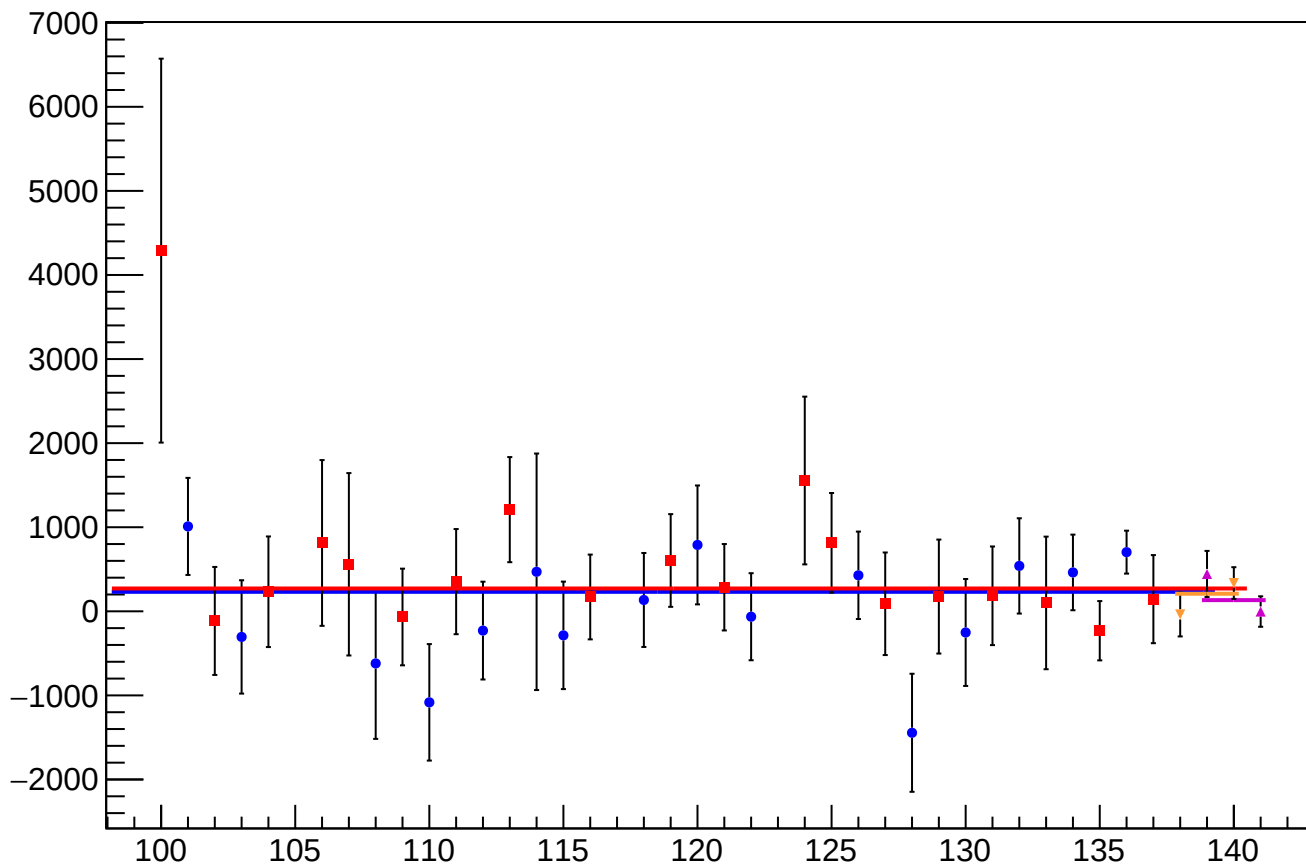
Left In: 21.127 $\pm$ 0.011 χ^2 /NDF: 14177.7/1

+ sign 25.388 $\pm$ 0.006 χ^2 /NDF: 737066.8/17

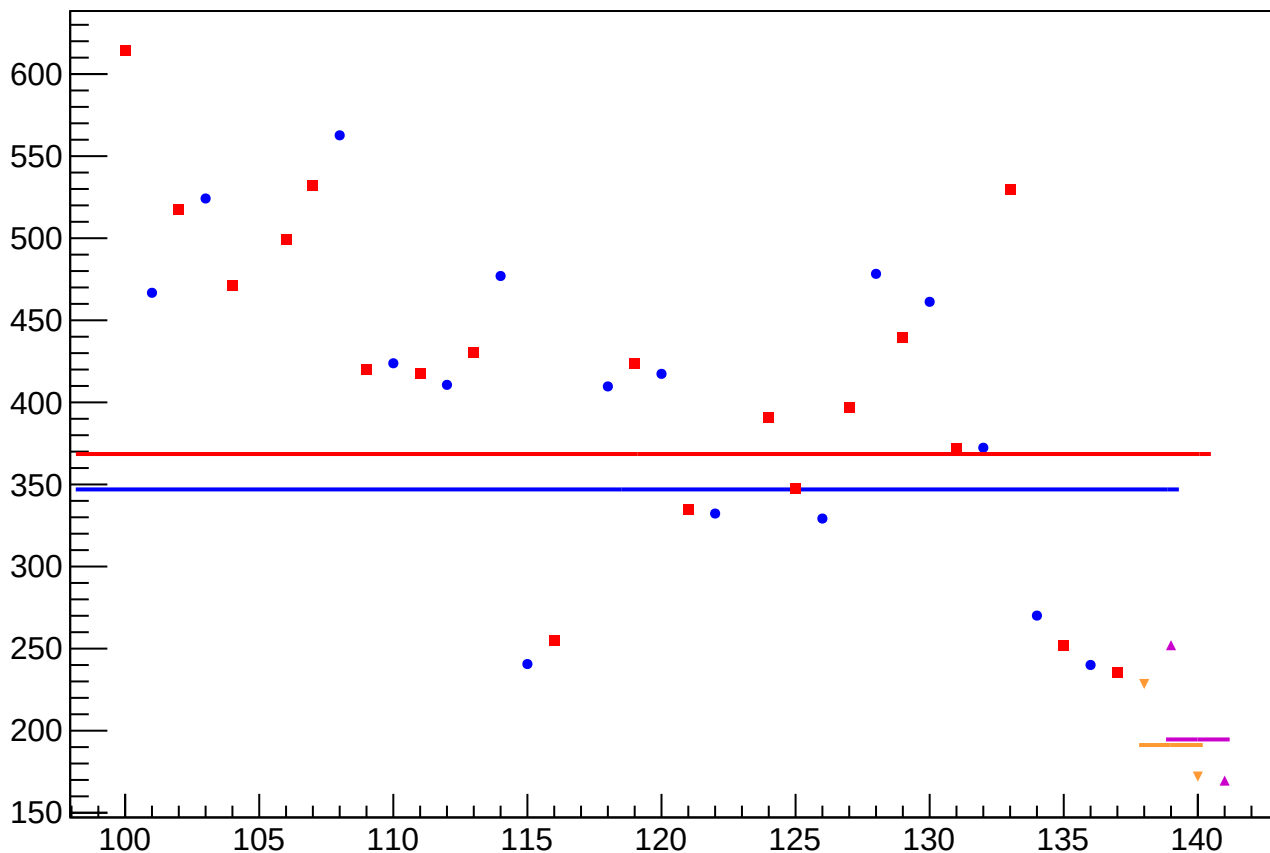
All: 25.391 $\pm$ 0.004 χ^2 /NDF: 1693730.2/38

- sign 25.393 $\pm$ 0.006 χ^2 /NDF: 956663.1/20

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



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

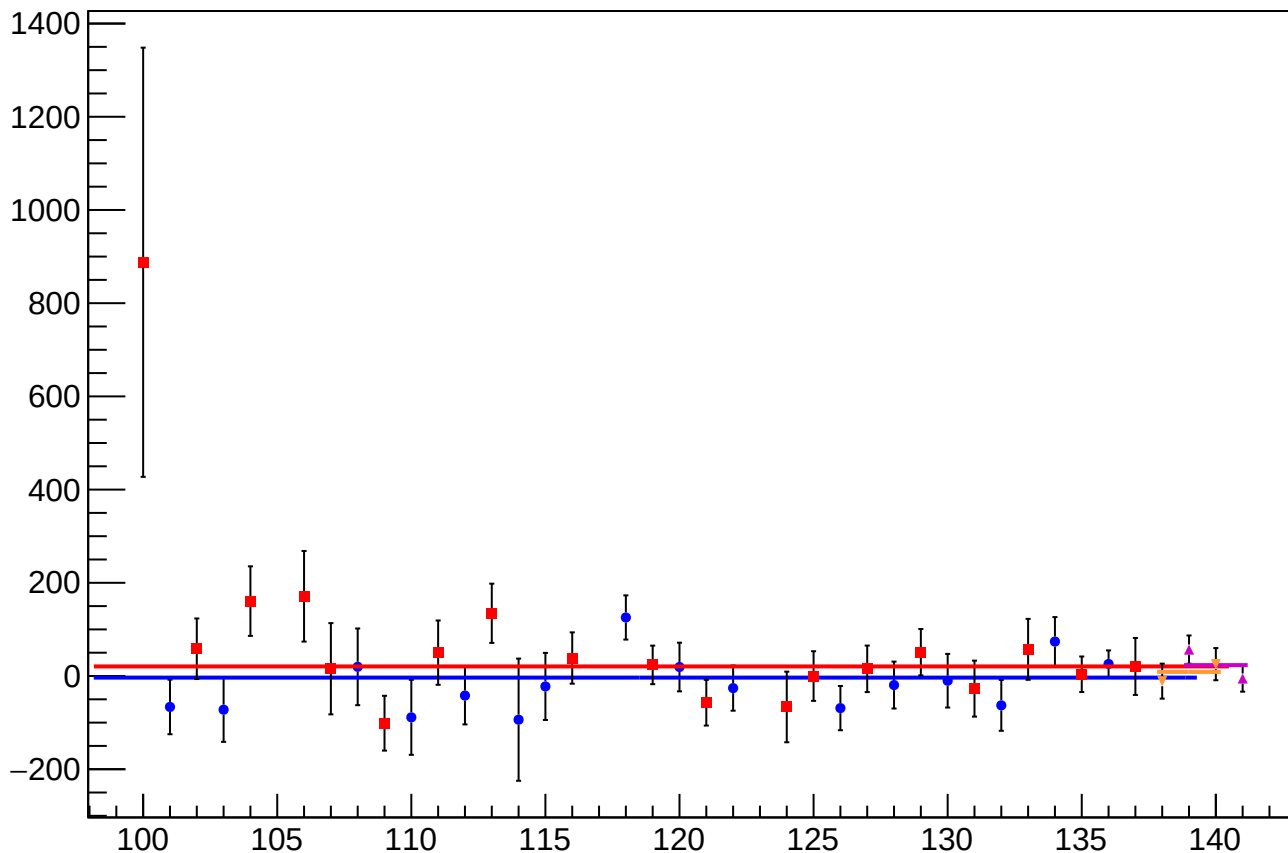
Left In: 194.663 $\pm$ 0.107 χ^2 /NDF: 125836.6/1

+ sign 278.883 $\pm$ 0.072 χ^2 /NDF: 2284787.4/17

All: 283.460 $\pm$ 0.051 χ^2 /NDF: 4741202.3/38

- sign 288.187 $\pm$ 0.073 χ^2 /NDF: 2448092.7/20

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423 ± 13.393 $\chi^2/\text{NDF}: 18.5/15$

Left Out: 8.771 ± 25.389 $\chi^2/\text{NDF}: 0.5/1$

Right Out: 20.569 ± 13.475 $\chi^2/\text{NDF}: 23.1/18$

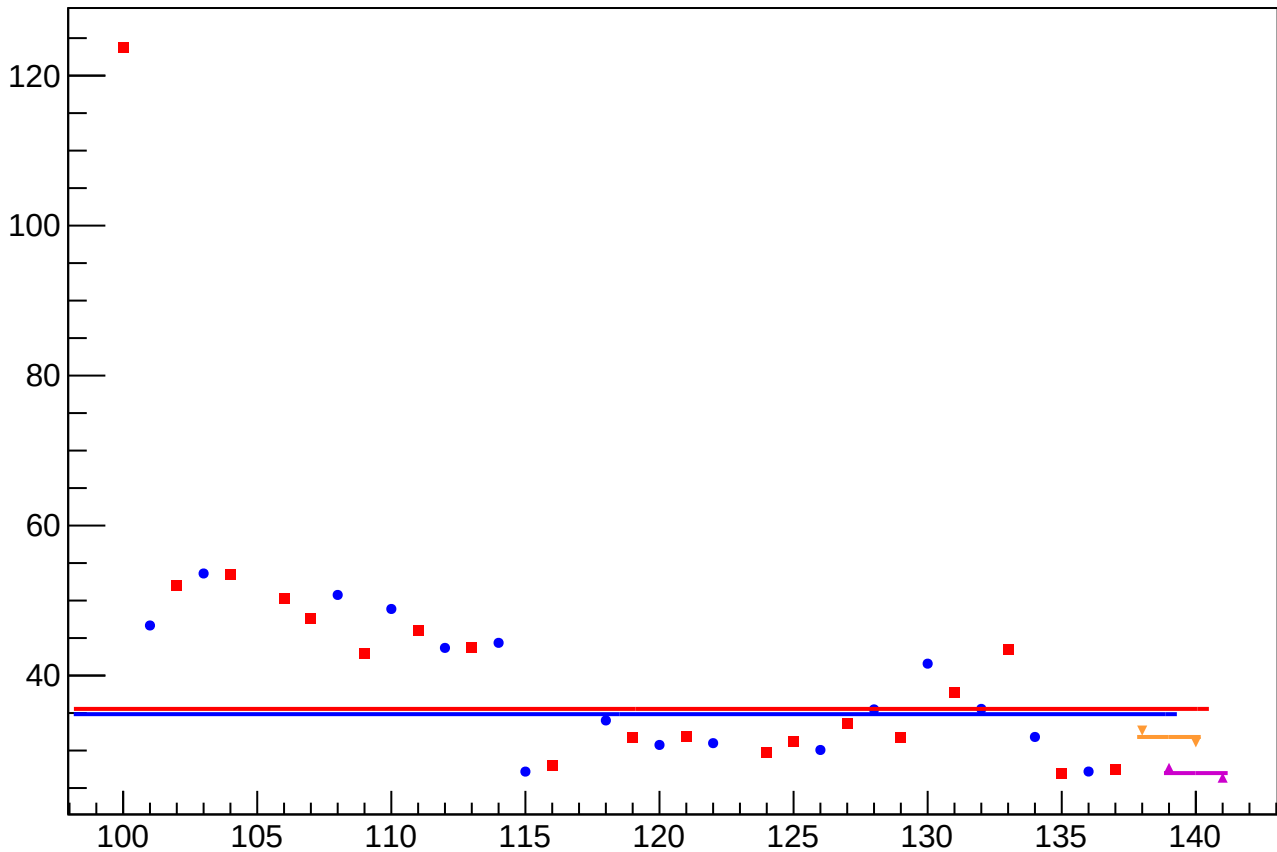
Left In: 23.401 ± 20.636 $\chi^2/\text{NDF}: 2.3/1$

+ sign -0.769 ± 11.846 $\chi^2/\text{NDF}: 19.2/17$

All: 10.863 ± 8.170 $\chi^2/\text{NDF}: 46.4/38$

- sign 21.415 ± 11.283 $\chi^2/\text{NDF}: 25.4/20$

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

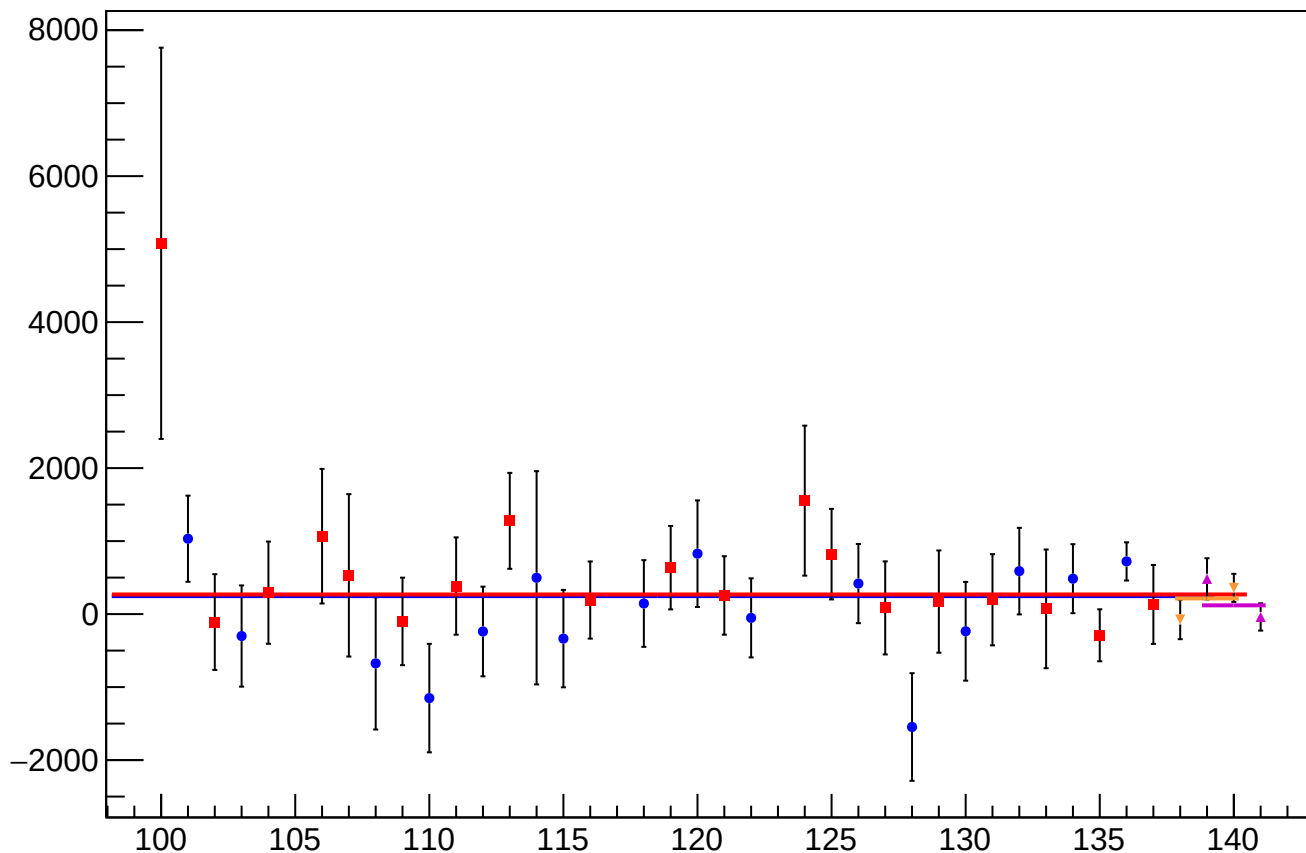
Left In: 26.992 $\pm$ 0.015 χ^2 /NDF: 2002.2/1

+ sign 34.188 $\pm$ 0.008 χ^2 /NDF: 682498.7/17

All: 33.562 $\pm$ 0.006 χ^2 /NDF: 1716334.1/38

- sign 32.994 $\pm$ 0.008 χ^2 /NDF: 1023175.4/20

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507 $\pm$ 140.275 χ^2 /NDF: 19.8/15

Left Out: 214.979 $\pm$ 156.637 χ^2 /NDF: 1.7/1

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

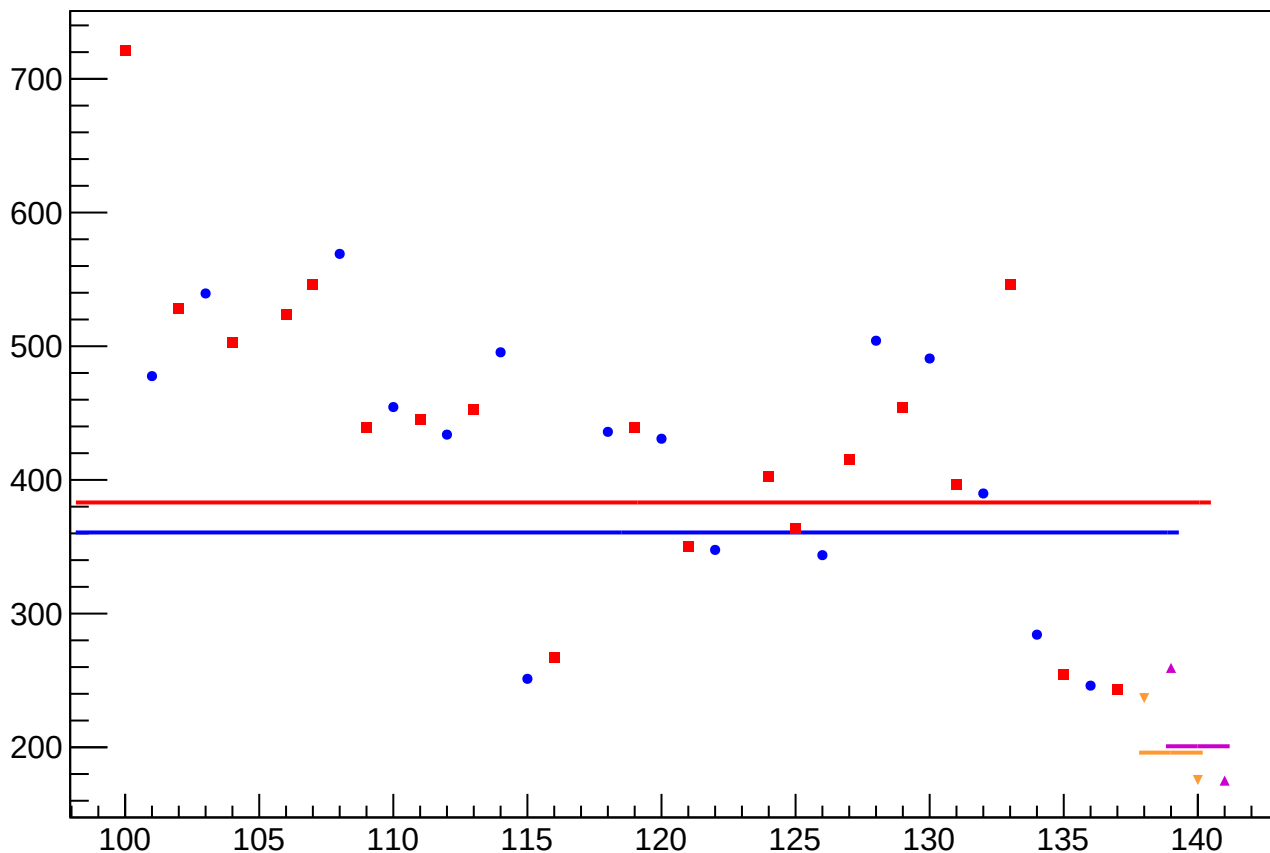
Left In: 119.905 $\pm$ 155.842 χ^2 /NDF: 2.4/1

+ sign 232.475 $\pm$ 104.497 χ^2 /NDF: 21.5/17

All: 216.325 $\pm$ 74.510 χ^2 /NDF: 37.0/38

- sign 199.621 $\pm$ 106.272 χ^2 /NDF: 15.5/20

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

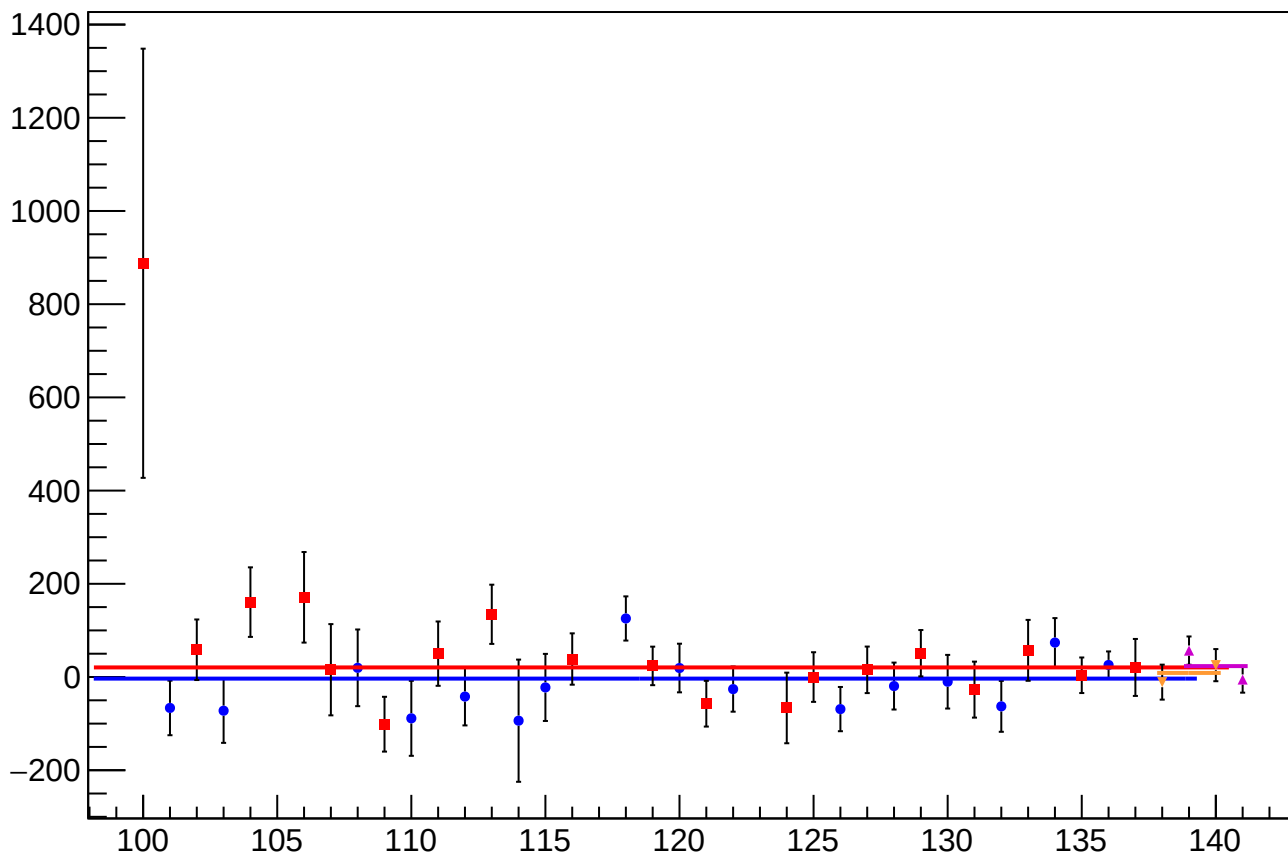
Left In: 200.763 $\pm$ 0.110 χ^2 /NDF: 124120.6/1

+ sign 287.396 $\pm$ 0.074 χ^2 /NDF: 2387779.4/17

All: 292.769 $\pm$ 0.053 χ^2 /NDF: 4950989.2/38

- sign 298.326 $\pm$ 0.075 χ^2 /NDF: 2552452.5/20

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425 ± 13.392 $\chi^2/\text{NDF}: 18.5/15$

Left Out: 8.771 ± 25.389 $\chi^2/\text{NDF}: 0.5/1$

Right Out: 20.569 ± 13.475 $\chi^2/\text{NDF}: 23.1/18$

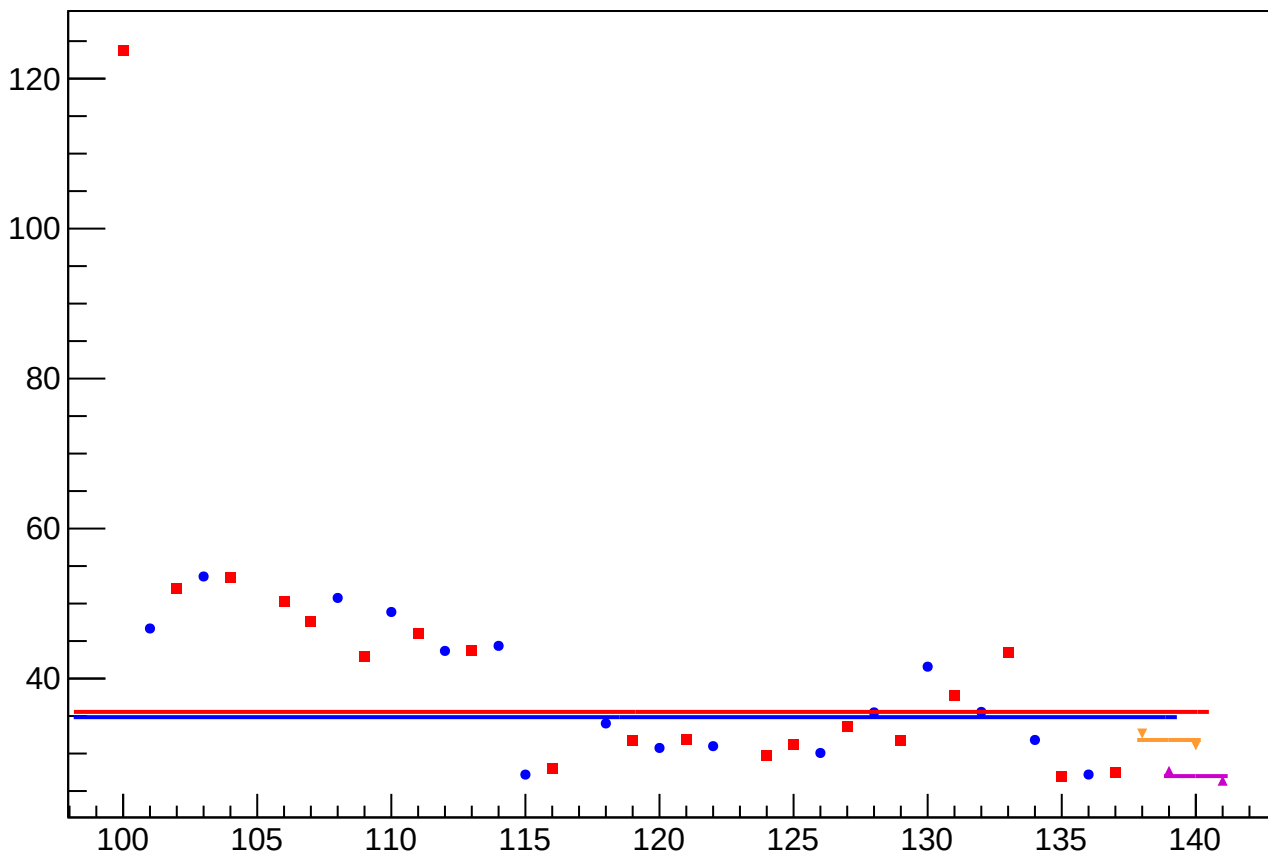
Left In: 23.399 ± 20.636 $\chi^2/\text{NDF}: 2.3/1$

+ sign -0.770 ± 11.845 $\chi^2/\text{NDF}: 19.2/17$

All: 10.862 ± 8.170 $\chi^2/\text{NDF}: 46.4/38$

- sign 21.415 ± 11.282 $\chi^2/\text{NDF}: 25.4/20$

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850 $\pm$ 0.009 χ^2 /NDF: 658089.6/15

Left Out: 31.808 $\pm$ 0.018 χ^2 /NDF: 1896.6/1

Right Out: 35.552 $\pm$ 0.010 χ^2 /NDF: 779849.4/18

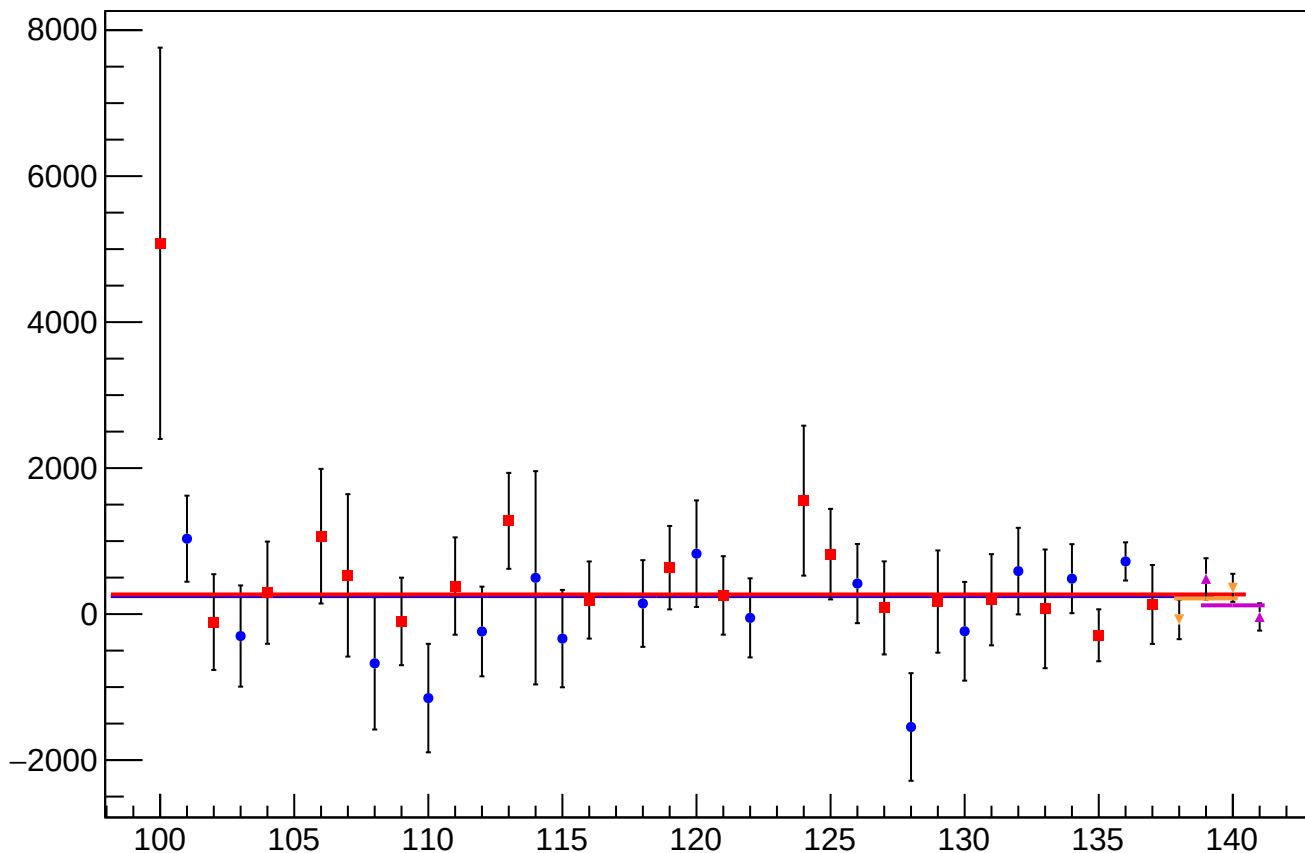
Left In: 26.992 $\pm$ 0.015 χ^2 /NDF: 2000.4/1

+ sign 34.188 $\pm$ 0.008 χ^2 /NDF: 682442.3/17

All: 33.562 $\pm$ 0.006 χ^2 /NDF: 1716240.0/38

- sign 32.994 $\pm$ 0.008 χ^2 /NDF: 1023139.1/20

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

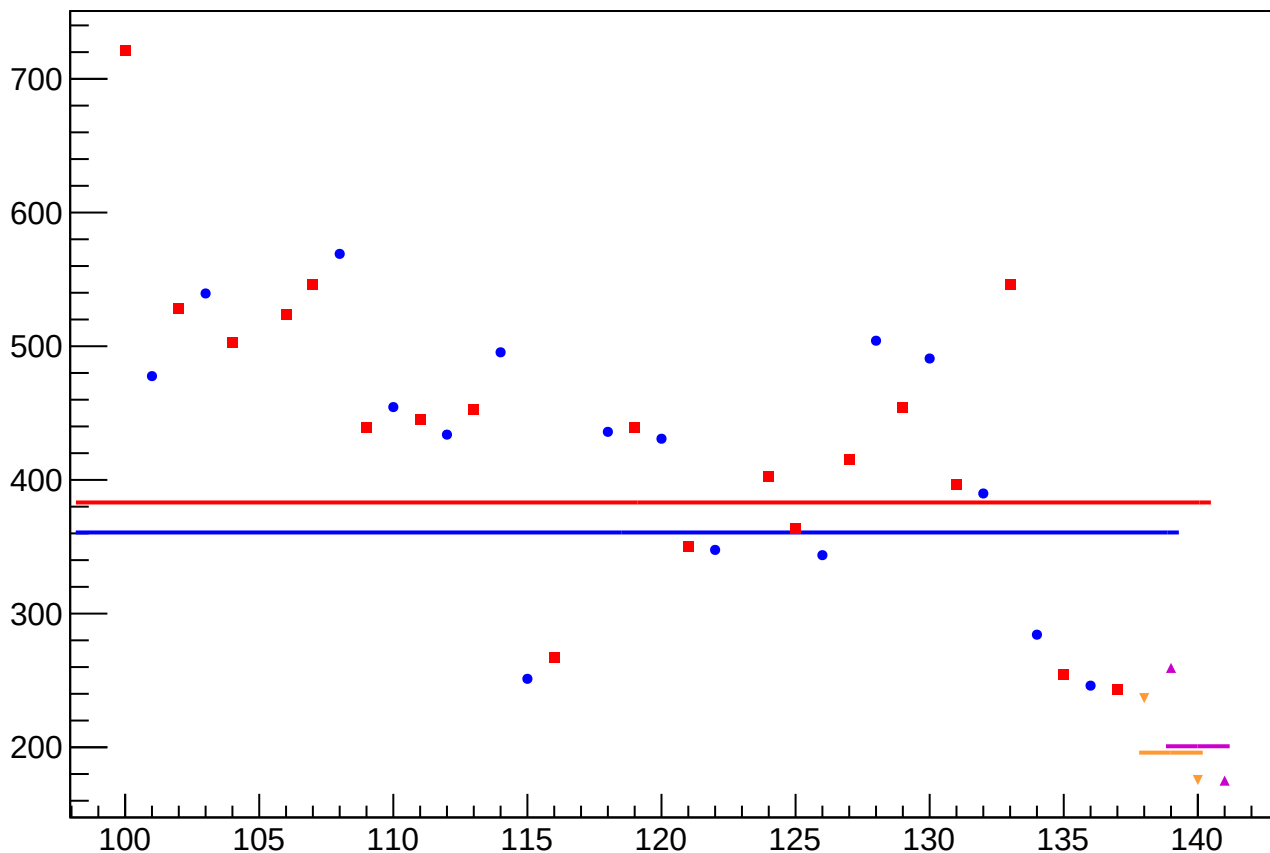
Left In: 119.906 $\pm$ 155.841 χ^2 /NDF: 2.4/1

+ sign 232.474 $\pm$ 104.496 χ^2 /NDF: 21.5/17

All: 216.324 $\pm$ 74.510 χ^2 /NDF: 37.0/38

- sign 199.622 $\pm$ 106.272 χ^2 /NDF: 15.5/20

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 360.691 $\pm$ 0.099 χ^2 /NDF: 1092752.5/15

Left Out: 196.002 $\pm$ 0.111 χ^2 /NDF: 68090.2/1

Right Out: 383.131 $\pm$ 0.103 χ^2 /NDF: 963120.8/18

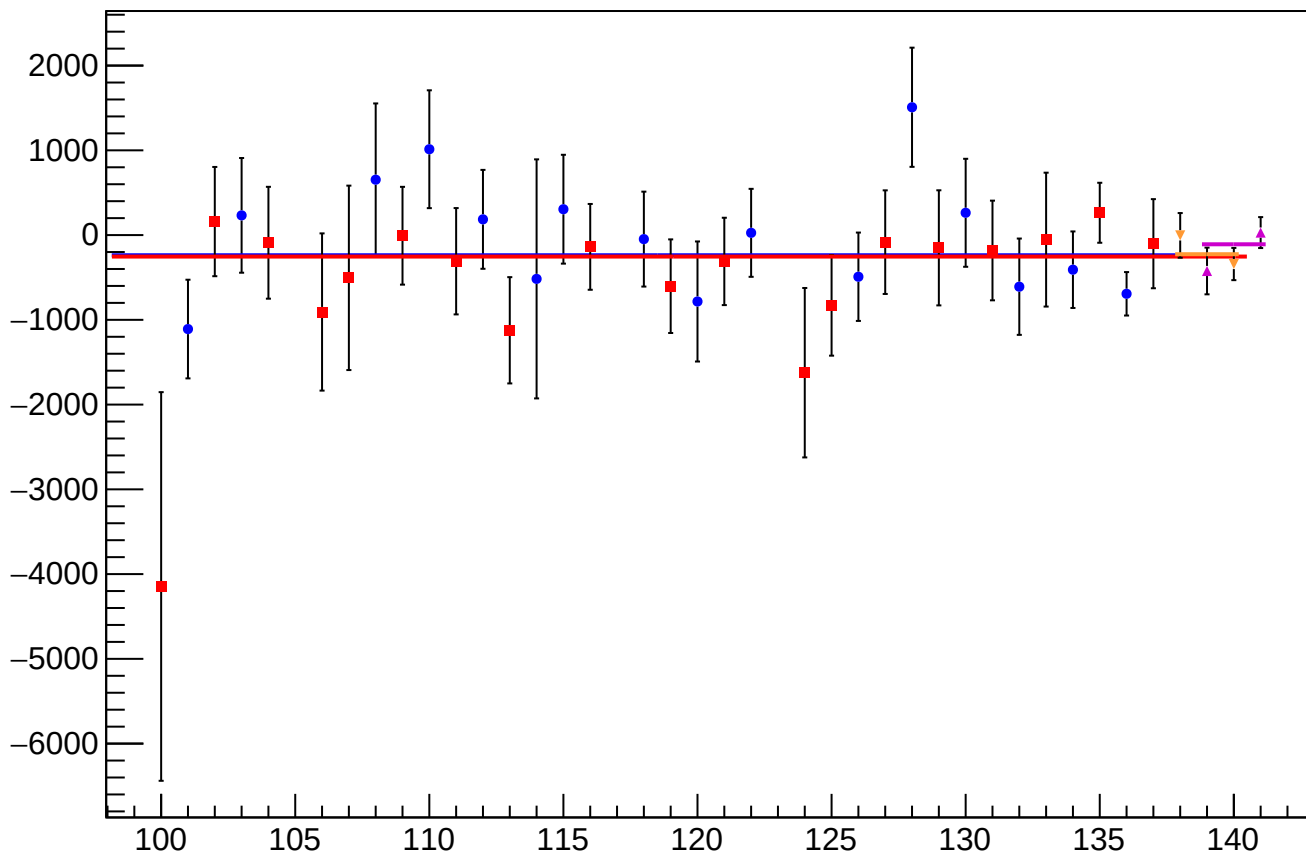
Left In: 200.762 $\pm$ 0.110 χ^2 /NDF: 124118.1/1

+ sign 287.395 $\pm$ 0.074 χ^2 /NDF: 2387782.9/17

All: 292.768 $\pm$ 0.053 χ^2 /NDF: 4950997.7/38

- sign 298.325 $\pm$ 0.075 χ^2 /NDF: 2552457.0/20

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043 ± 135.349 χ^2/NDF : 19.9/15

Left Out: -225.792 ± 154.138 χ^2/NDF : 1.1/1

Right Out: -253.445 ± 140.414 χ^2/NDF : 11.7/18

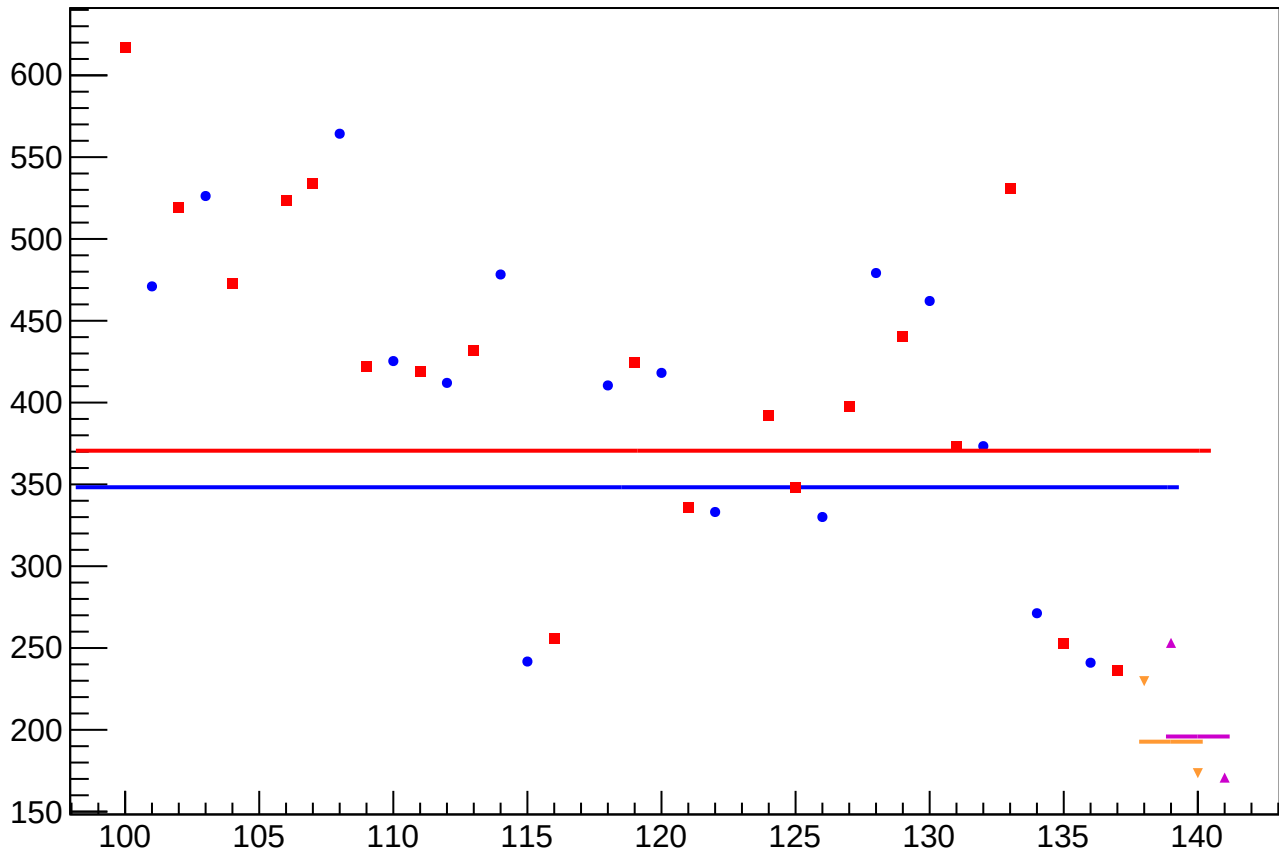
Left In: -108.610 ± 152.165 χ^2/NDF : 1.9/1

+ sign -232.709 ± 101.704 χ^2/NDF : 21.0/17

All: -210.106 ± 72.436 χ^2/NDF : 35.2/38

- sign -186.835 ± 103.192 χ^2/NDF : 14.1/20

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF : 1056820.3/15

Left Out: 192.758+/-0.109 χ^2/NDF : 59913.9/1

Right Out: 370.585+/-0.099 χ^2/NDF : 917913.5/18

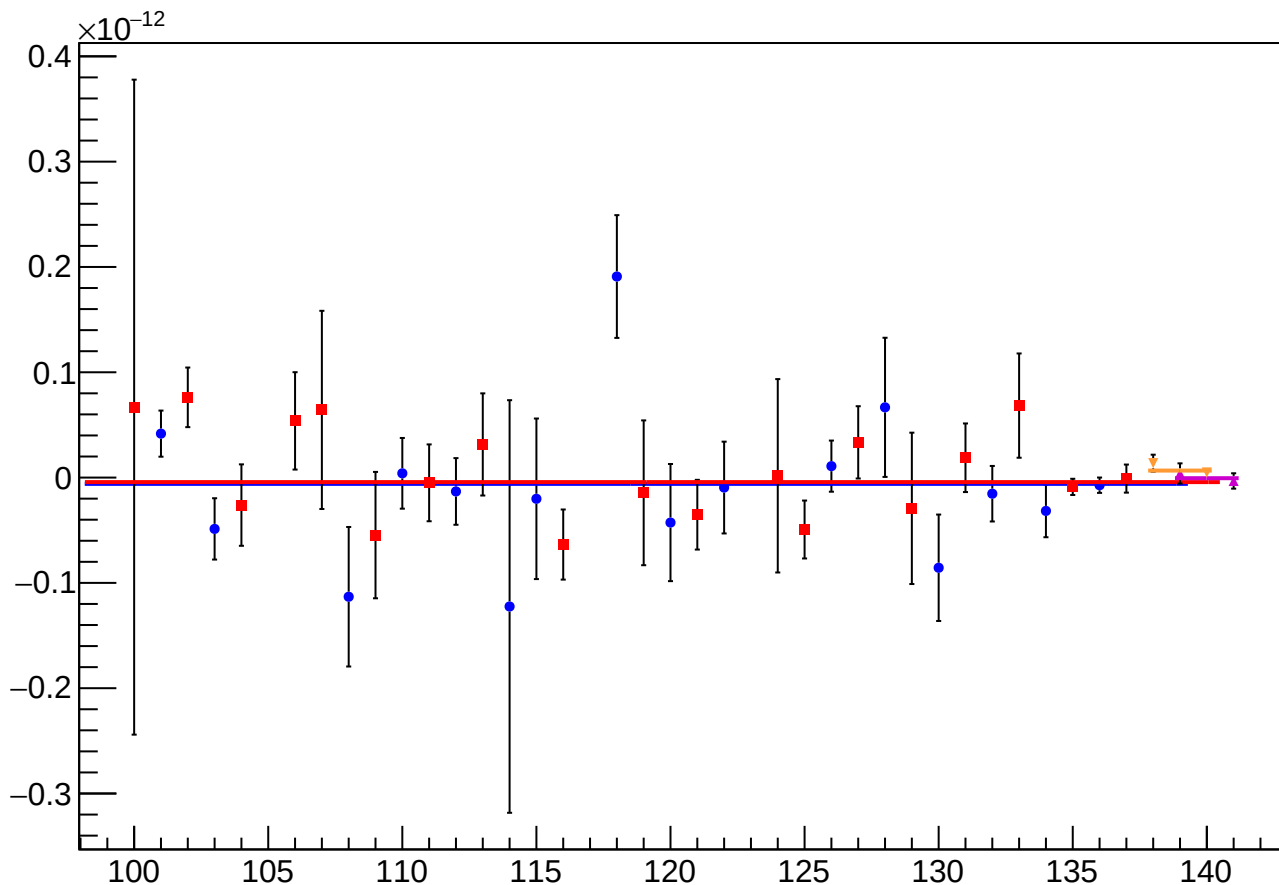
Left In: 195.924+/-0.108 χ^2/NDF : 124124.4/1

+ sign 280.555+/-0.072 χ^2/NDF : 2265961.0/17

All: 285.337+/-0.051 χ^2/NDF : 4740168.8/38

- sign 290.259+/-0.073 χ^2/NDF : 2465237.6/20

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.0/1

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/18

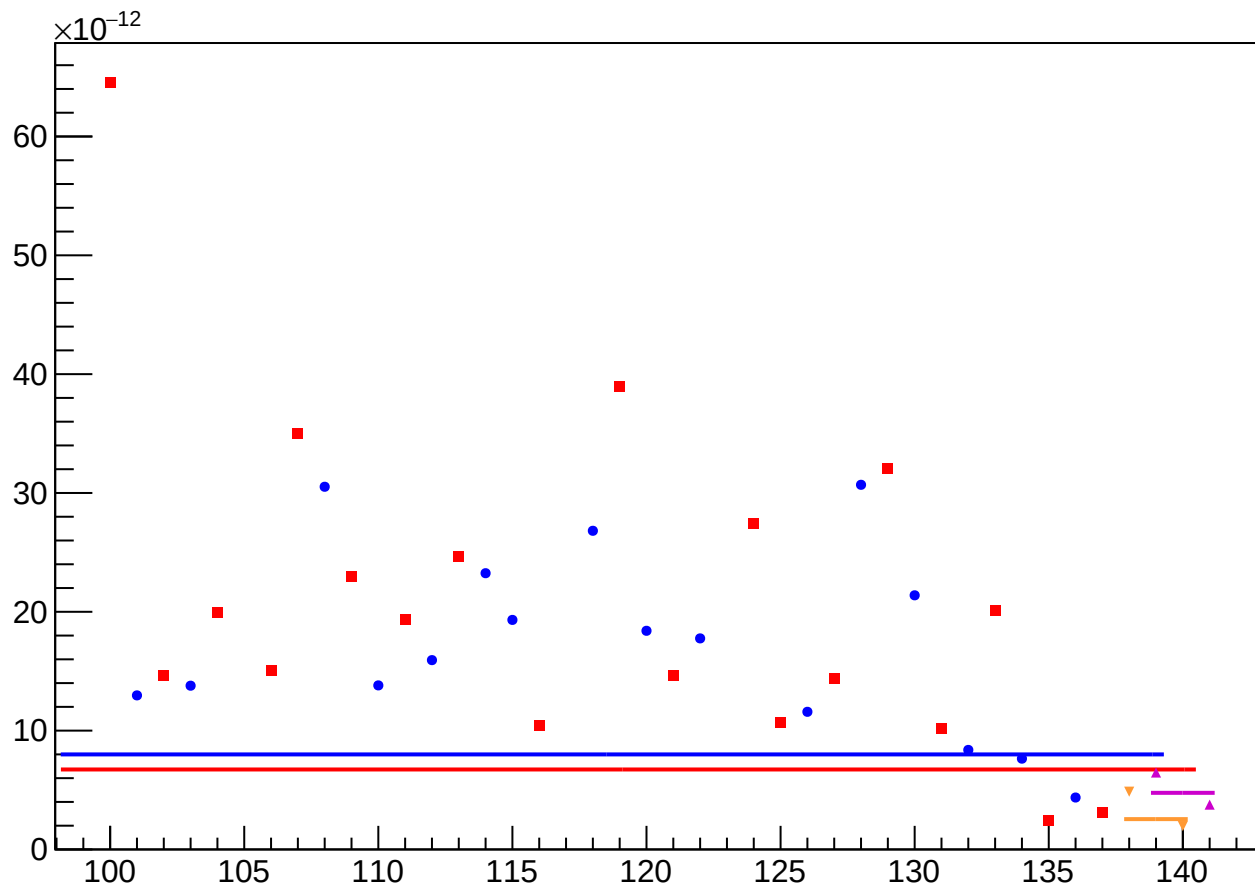
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.5/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/20

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

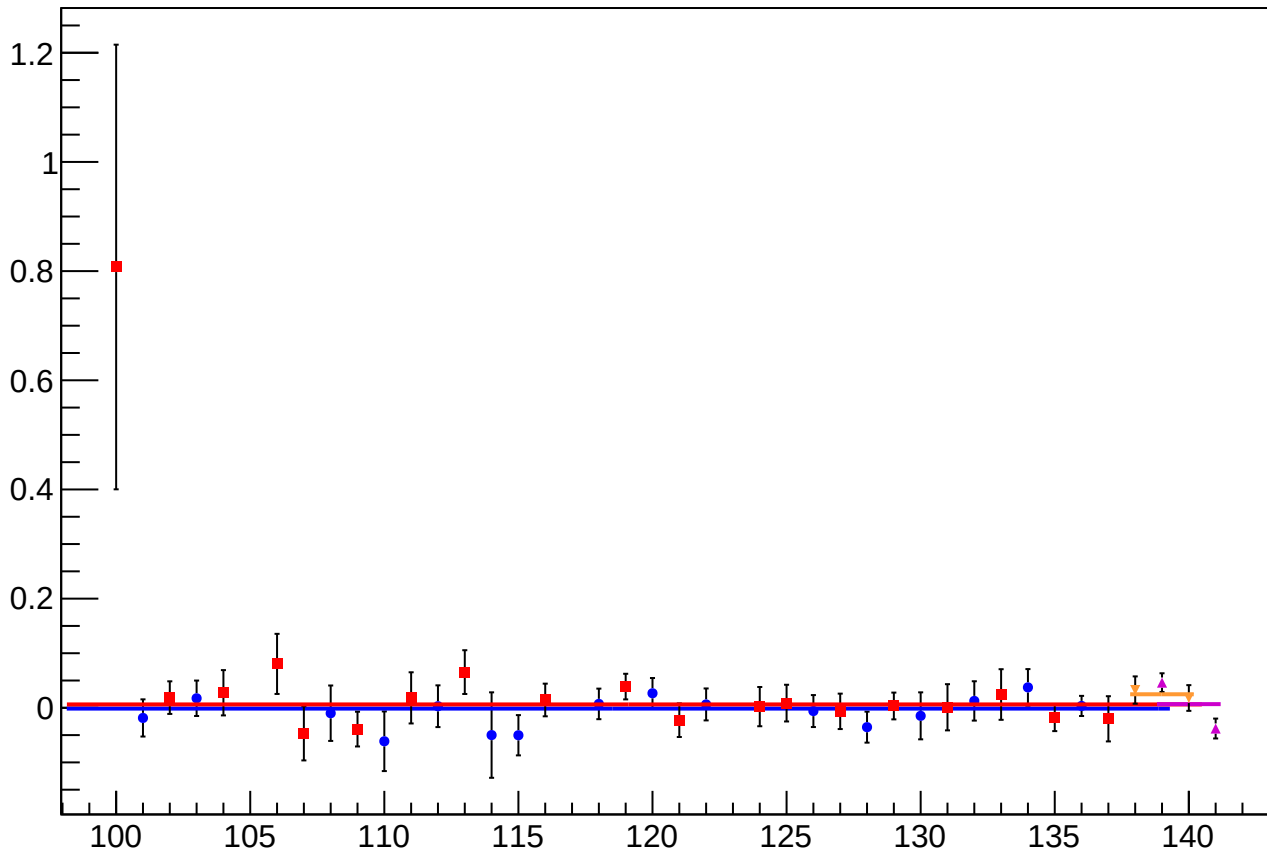
Left In: 0.000+/-0.000 χ^2/NDF : 100674.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3461453.9/17

All: 0.000+/-0.000 χ^2/NDF : 7280409.8/38

- sign 0.000+/-0.000 χ^2/NDF : 3599792.7/20

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

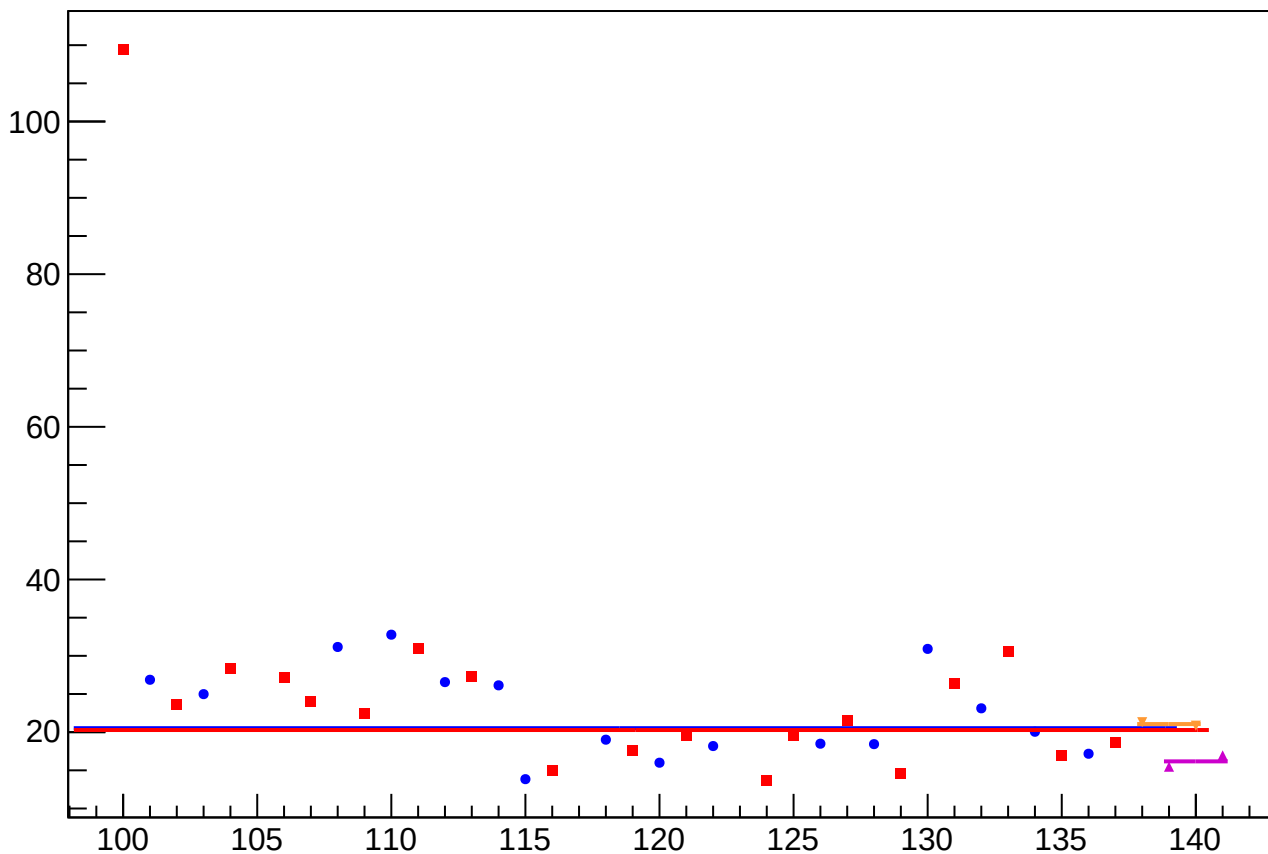
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.005 ± 0.005 χ^2/NDF : 38.0/38

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF : 705998.4/15

Left Out: 21.063+/-0.012 χ^2/NDF : 347.9/1

Right Out: 20.282+/-0.006 χ^2/NDF : 864352.6/18

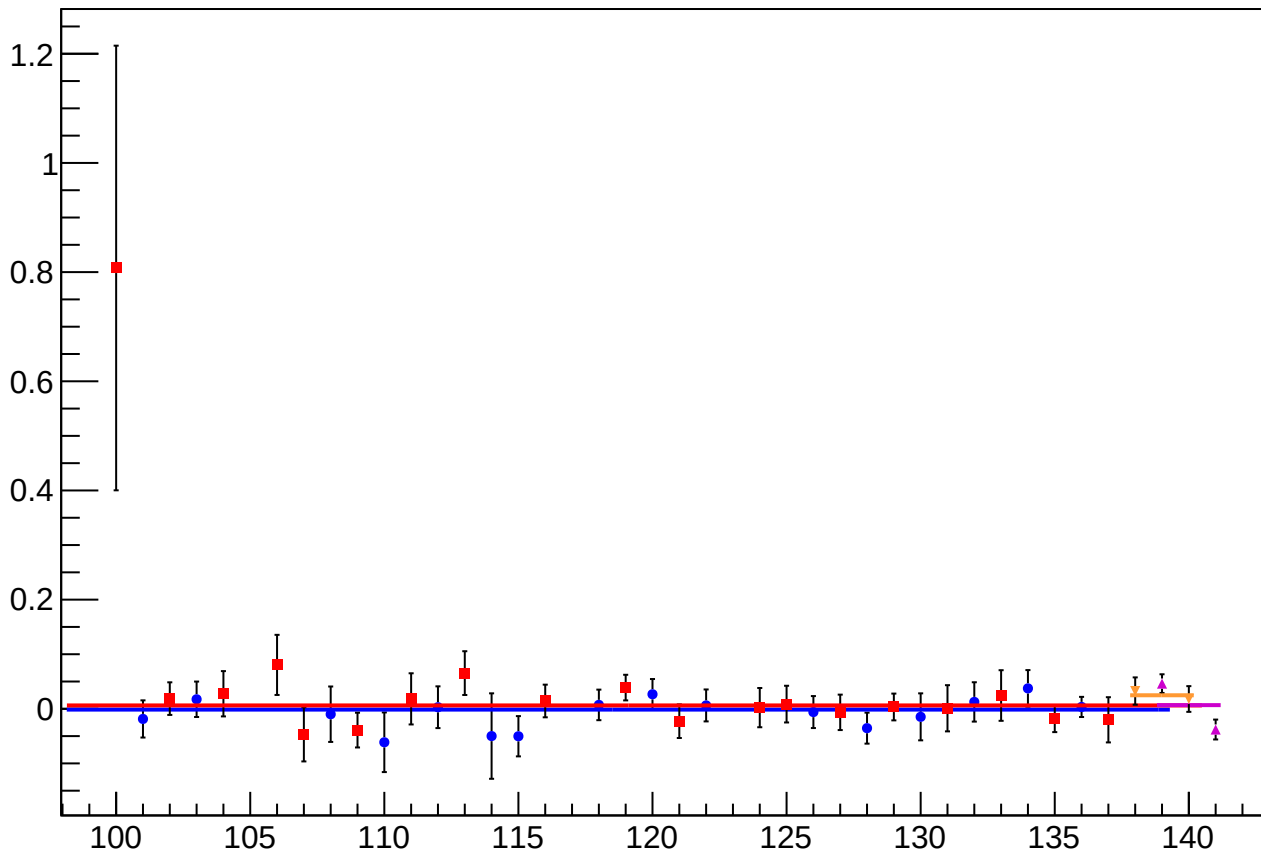
Left In: 16.174+/-0.009 χ^2/NDF : 7084.9/1

+ sign 20.620+/-0.005 χ^2/NDF : 707977.1/17

All: 19.796+/-0.003 χ^2/NDF : 1781331.8/38

- sign 19.108+/-0.005 χ^2/NDF : 1026540.9/20

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

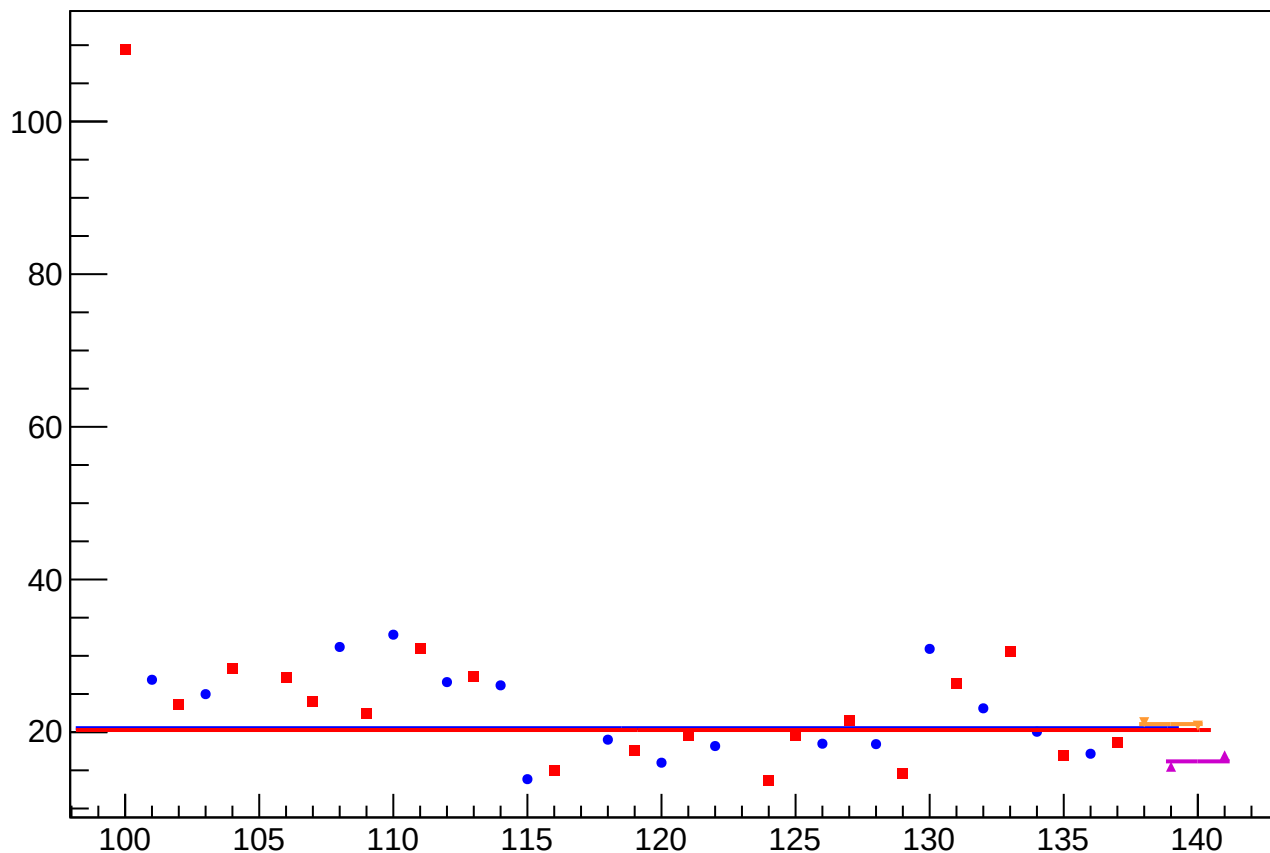
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.005 ± 0.005 χ^2/NDF : 38.0/38

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

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

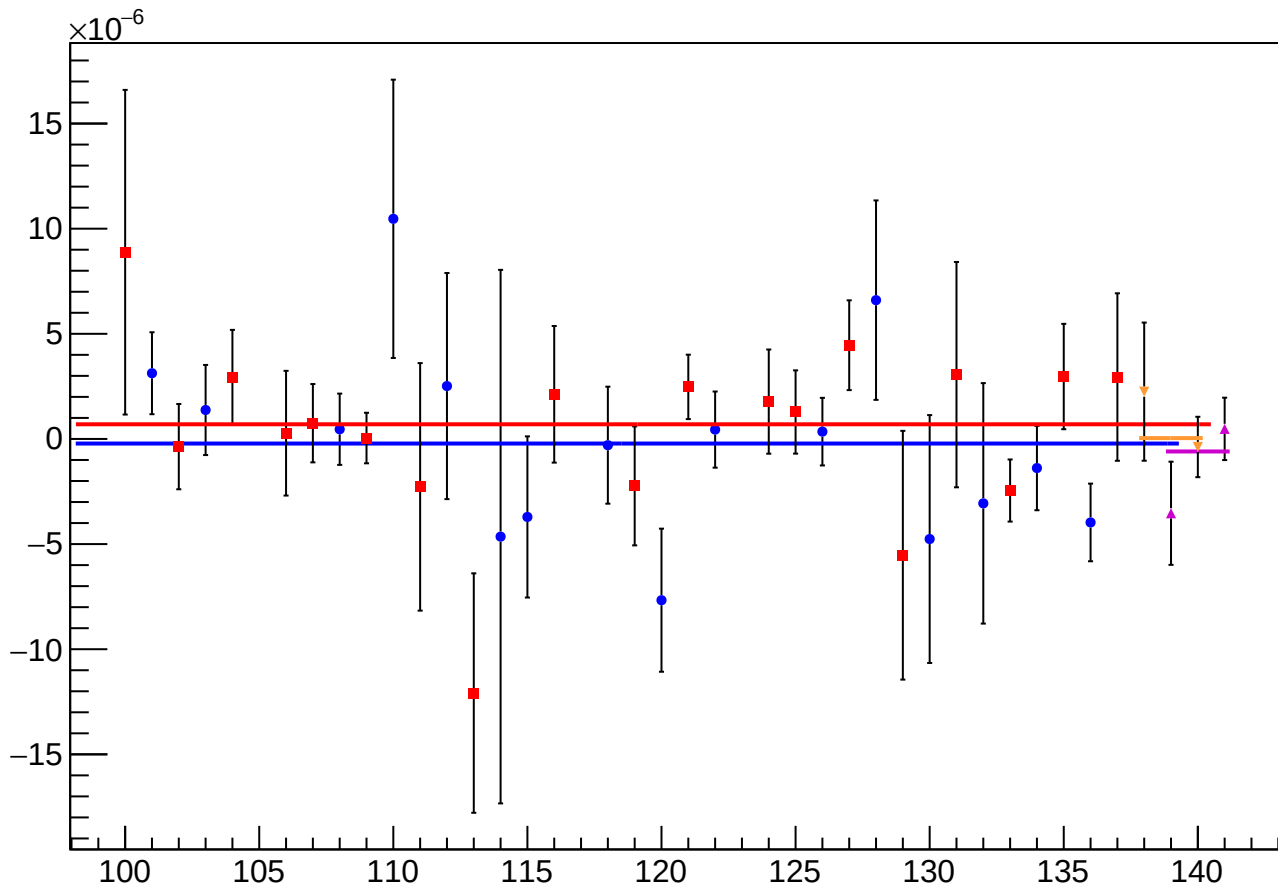
Left In: 16.174+/-0.009 χ^2/NDF : 7084.9/1

+ sign 20.620+/-0.005 χ^2/NDF : 707977.1/17

All: 19.796+/-0.003 χ^2/NDF : 1781331.8/38

- sign 19.108+/-0.005 χ^2/NDF : 1026540.9/20

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.5/1

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.0/18

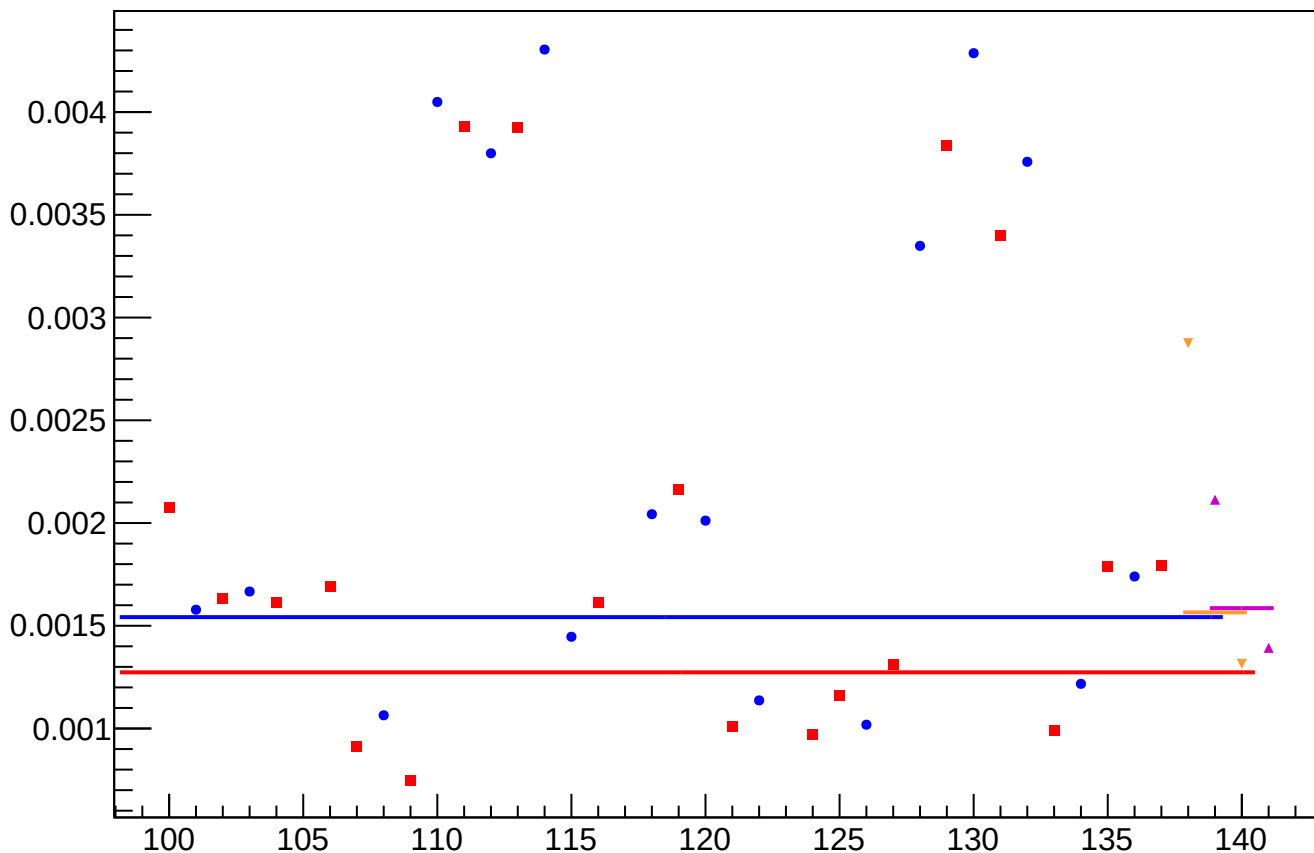
Left In: -0.000 ± 0.000 χ^2/NDF : 2.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.5/17

All: 0.000 ± 0.000 χ^2/NDF : 45.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 23.8/20

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2416805.2/15

Left Out: 0.002+/-0.000 χ^2/NDF :378797.0/1

Right Out: 0.001+/-0.000 χ^2/NDF : 2667436.5/18

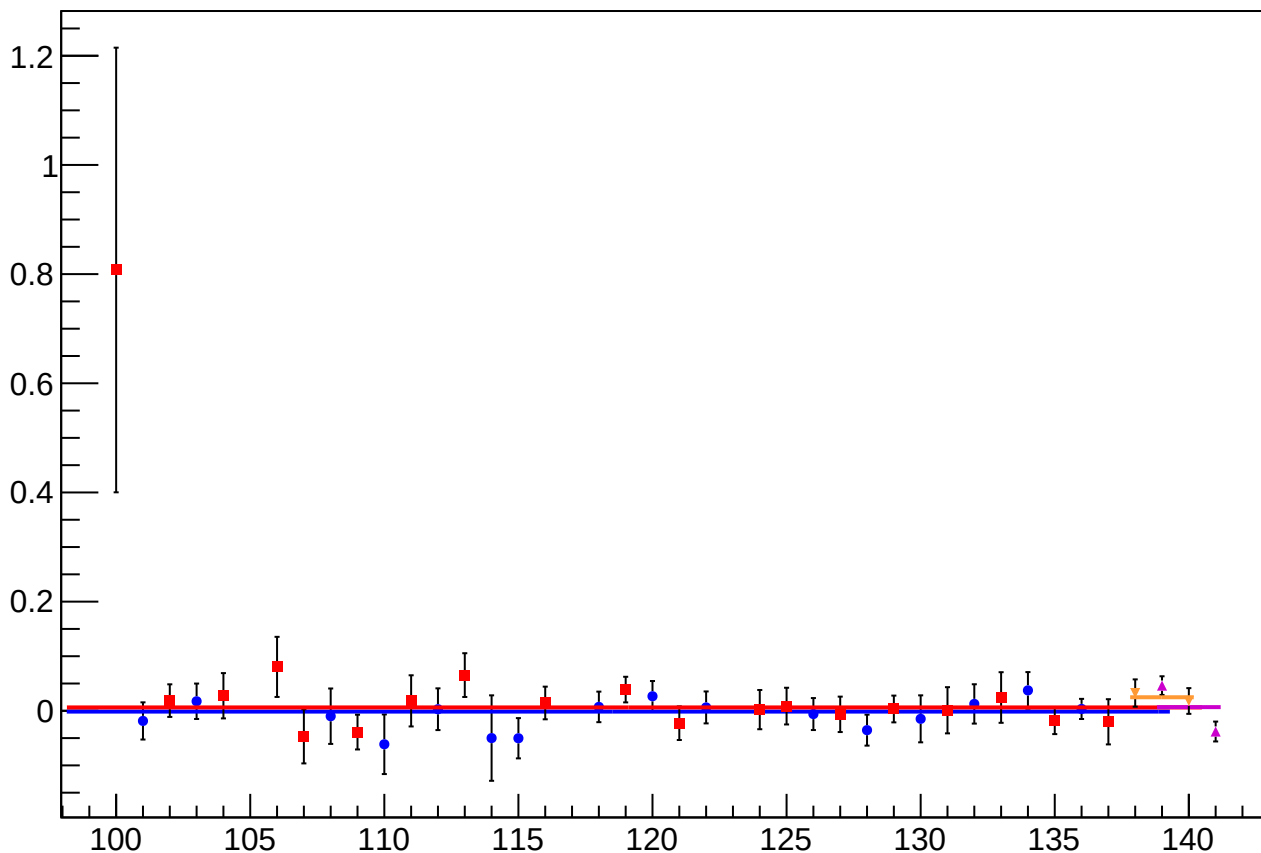
Left In: 0.002+/-0.000 χ^2/NDF :126464.5/1

+ sign 0.002+/-0.000 χ^2/NDF : 2796098.4/17

All: 0.001+/-0.000 χ^2/NDF : 5878874.3/38

- sign 0.001+/-0.000 χ^2/NDF : 2897363.9/20

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

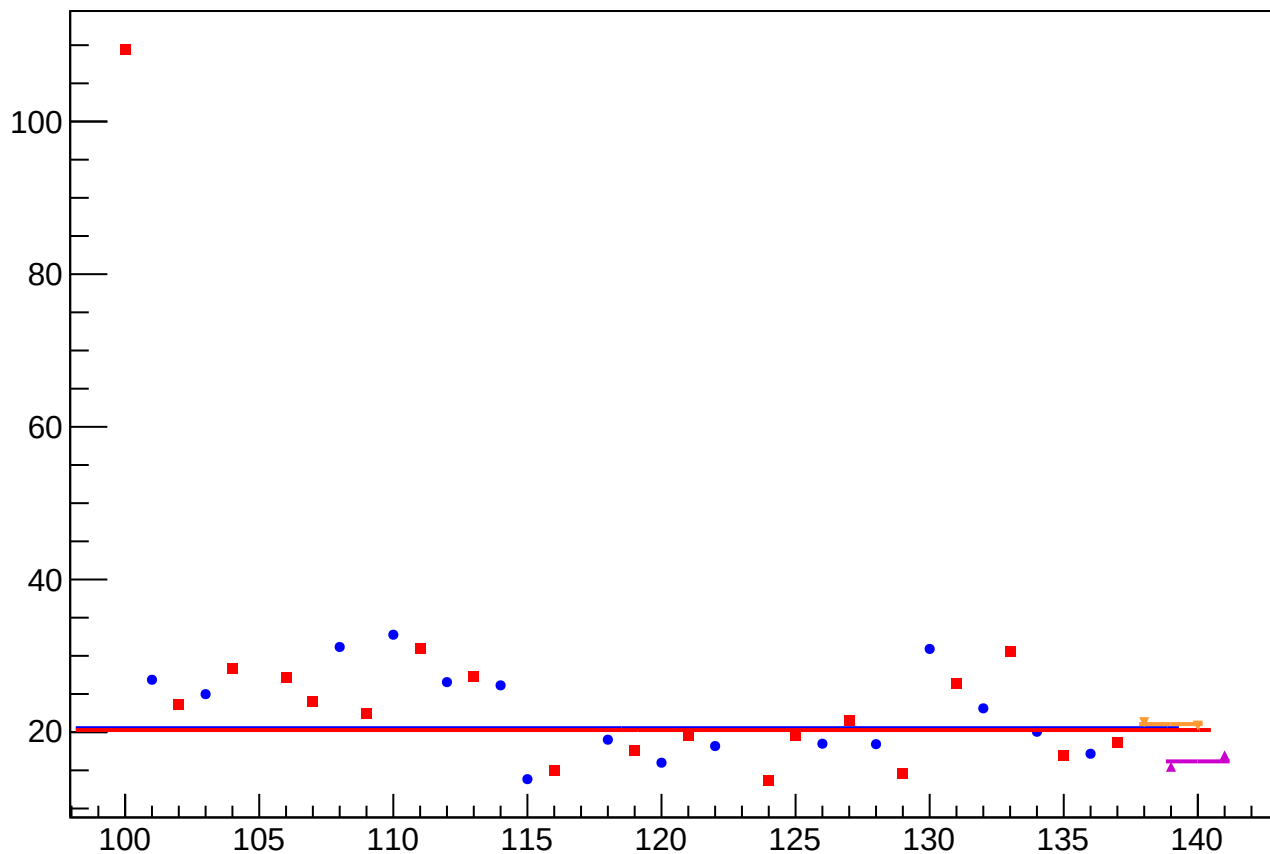
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.005 ± 0.005 χ^2/NDF : 38.0/38

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.521 $\pm$ 0.006 χ^2 /NDF: 705877.0/15

Left Out: 21.062 $\pm$ 0.012 χ^2 /NDF: 346.1/1

Right Out: 20.281 $\pm$ 0.006 χ^2 /NDF: 864361.2/18

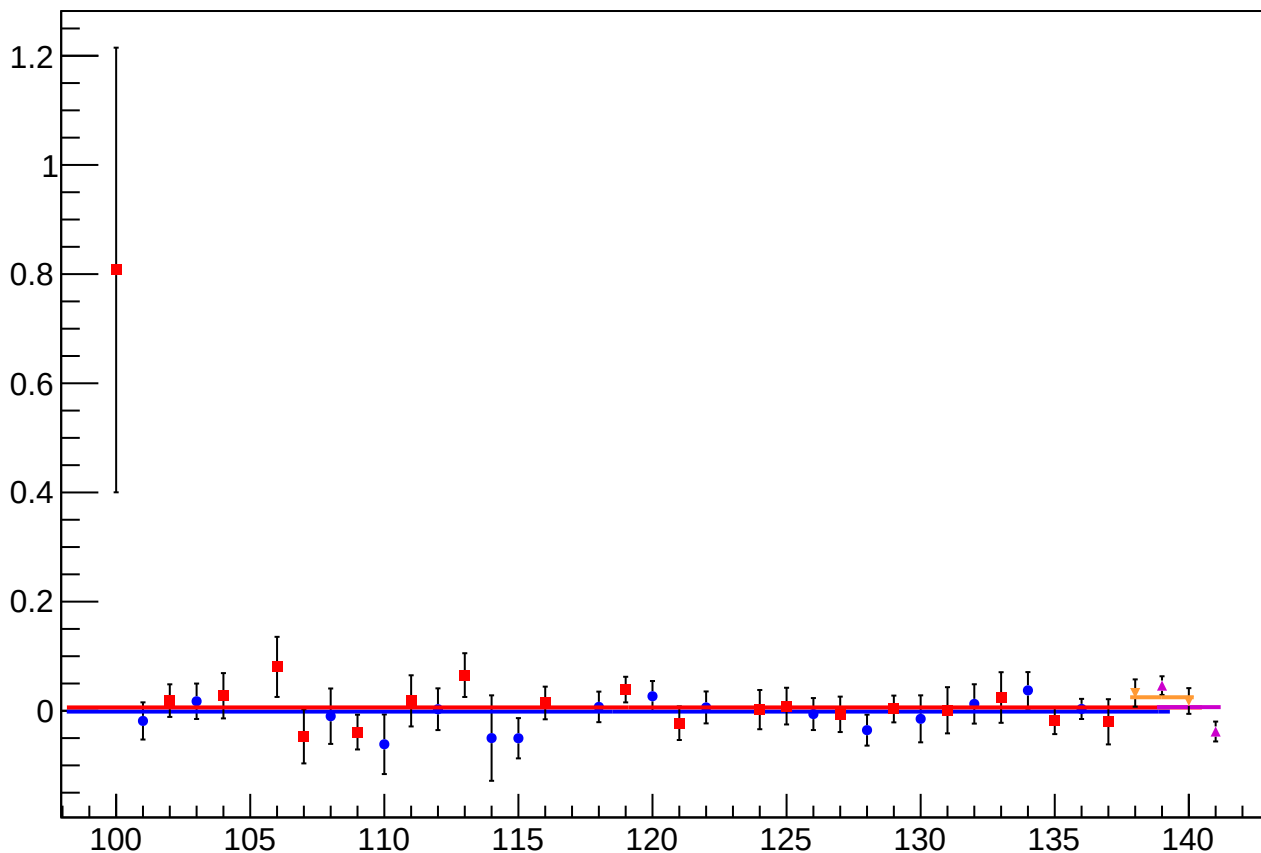
Left In: 16.174 $\pm$ 0.009 χ^2 /NDF: 7095.8/1

+ sign 20.619 $\pm$ 0.005 χ^2 /NDF: 707854.8/17

All: 19.795 $\pm$ 0.003 χ^2 /NDF: 1781236.7/38

- sign 19.107 $\pm$ 0.005 χ^2 /NDF: 1026558.6/20

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 χ^2/NDF : 8.3/15

Left Out: 0.025 ± 0.017 χ^2/NDF : 0.2/1

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

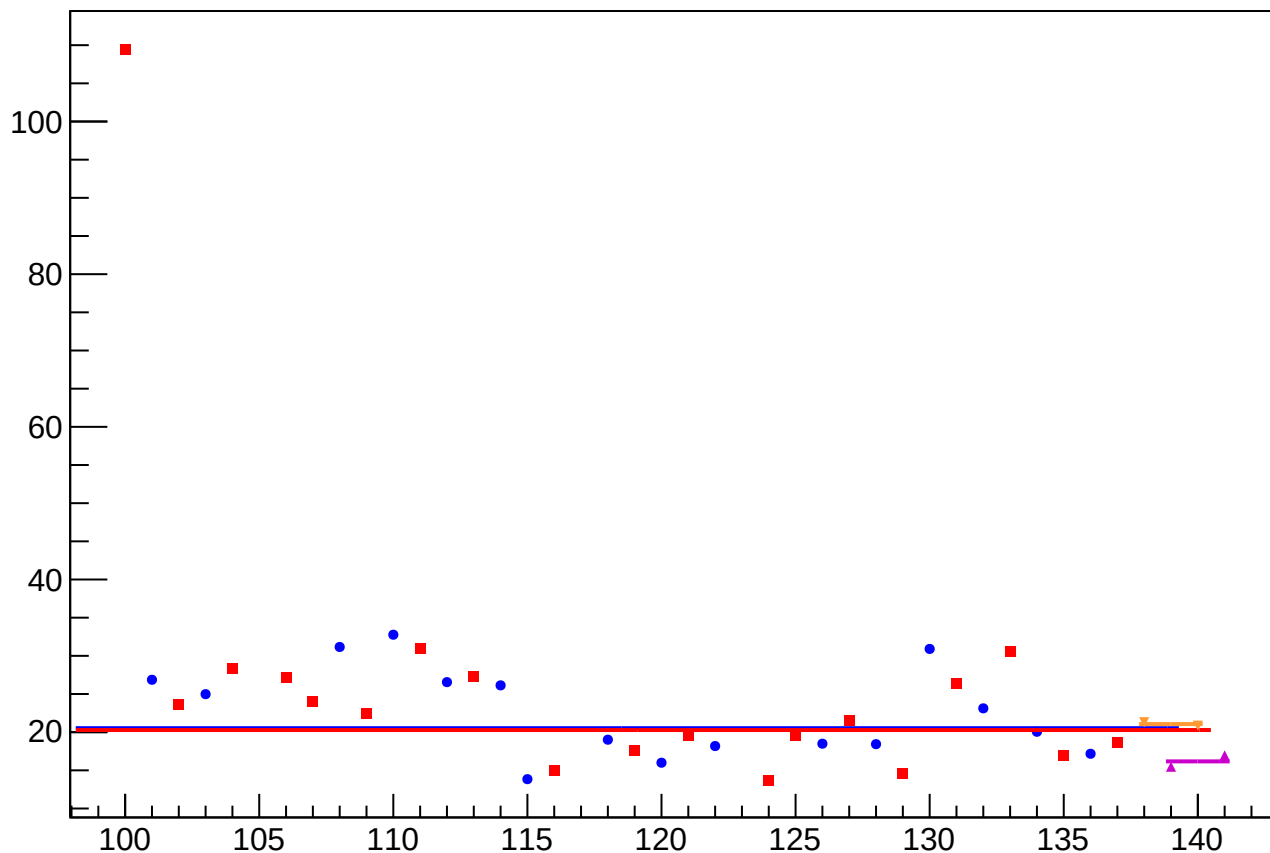
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.003 ± 0.007 χ^2/NDF : 10.4/17

All: 0.005 ± 0.005 χ^2/NDF : 38.0/38

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

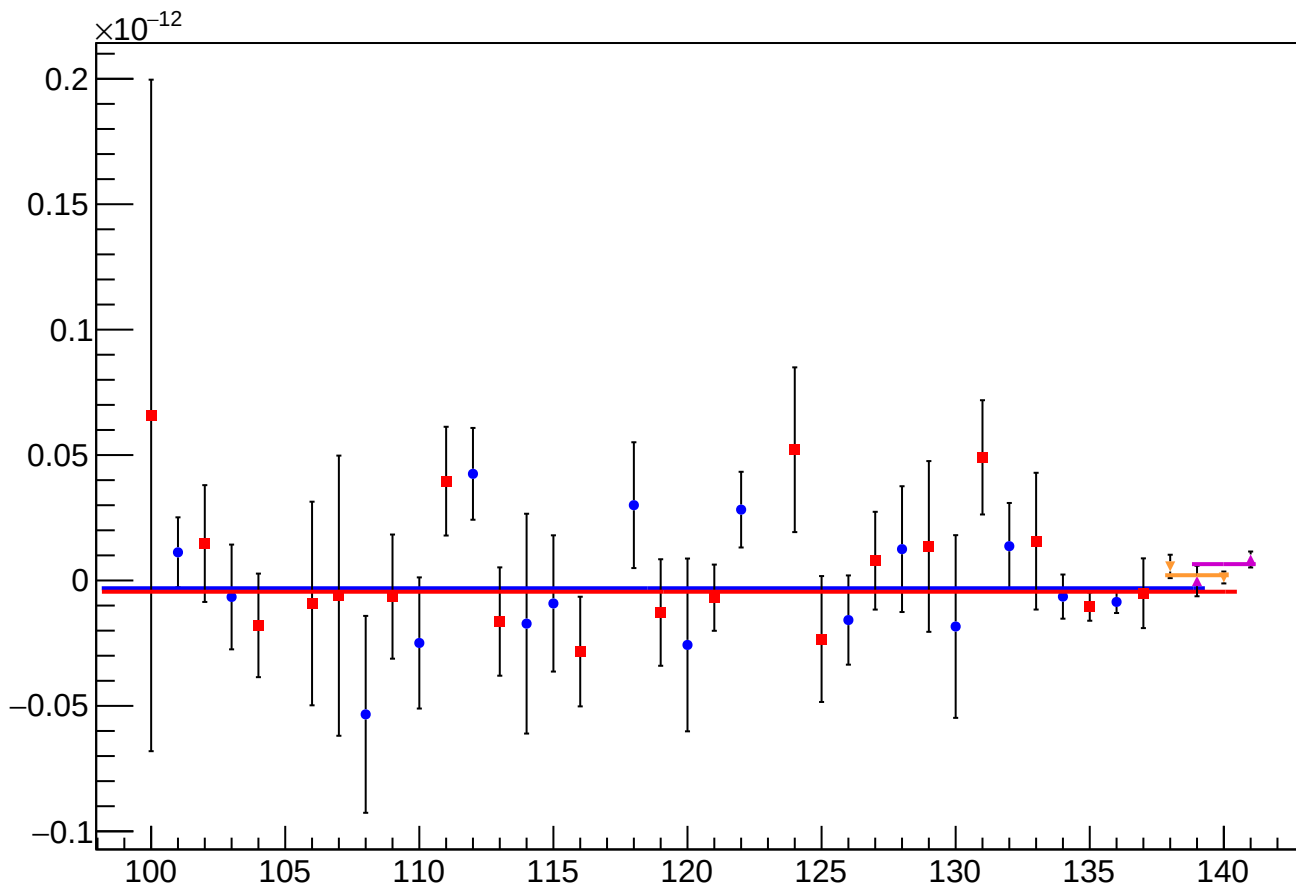
Left In: 16.174+/-0.009 χ^2/NDF : 7095.8/1

+ sign 20.619+/-0.005 χ^2/NDF : 707854.8/17

All: 19.795+/-0.003 χ^2/NDF : 1781236.7/38

- sign 19.107+/-0.005 χ^2/NDF : 1026558.6/20

asym_sam_1357_2468_dd_eigen_cor_vs_cor_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 : 0.7/1

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.6/18

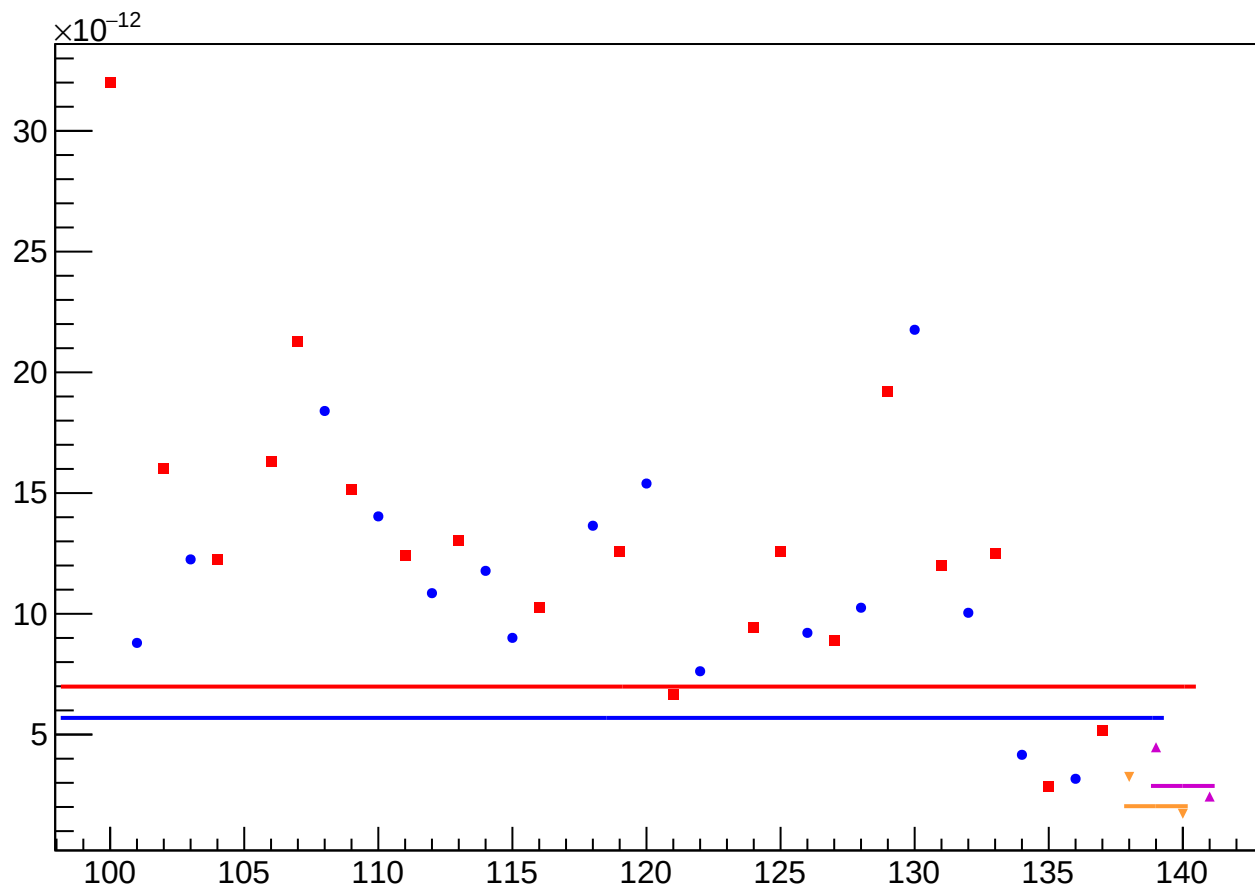
Left In: 0.000 ± 0.000 χ^2/NDF : 1.6/1

+ sign 0.000 ± 0.000 χ^2/NDF : 22.5/17

All: 0.000 ± 0.000 χ^2/NDF : 48.5/38

- sign 0.000 ± 0.000 χ^2/NDF : 25.5/20

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

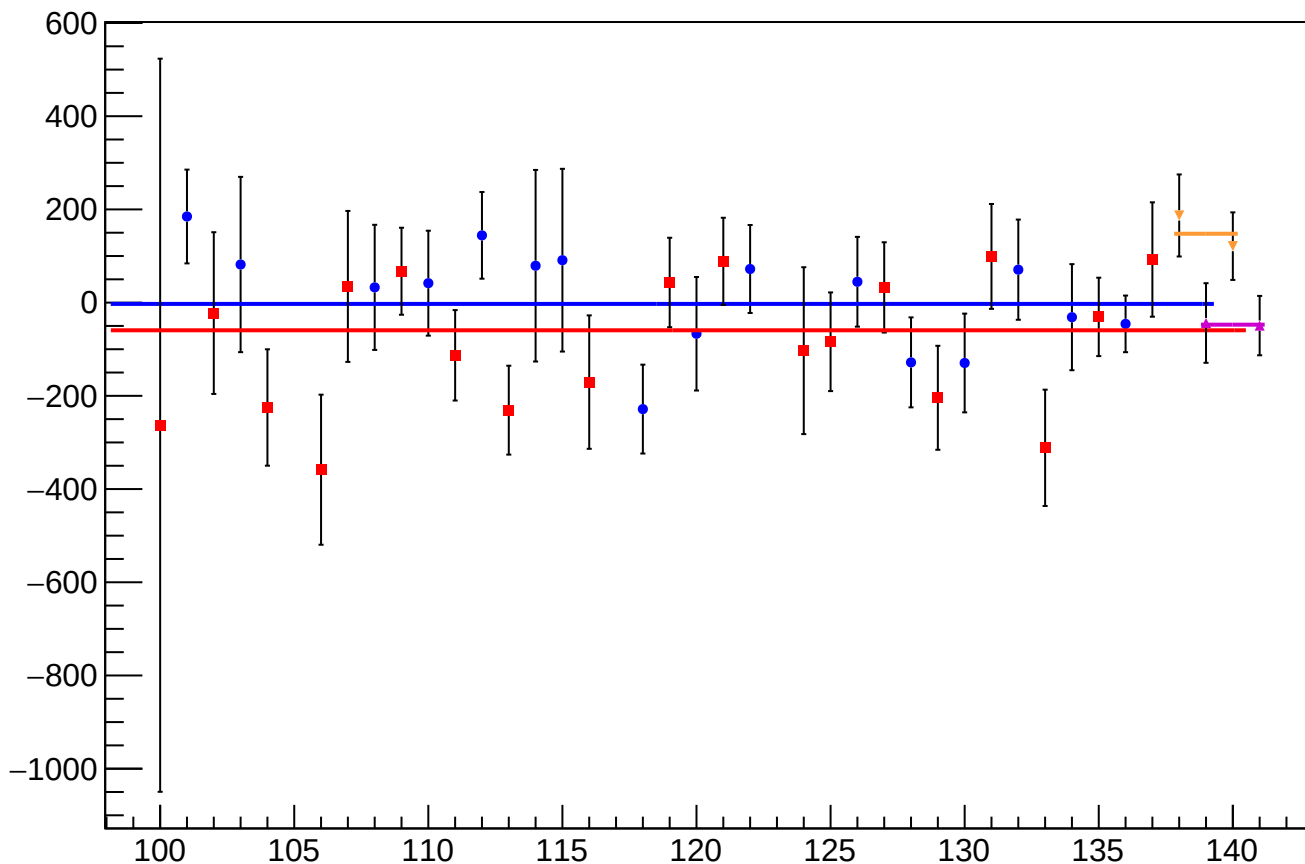
Left In: 0.000+/-0.000 χ^2/NDF :177055.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4651122.5/17

All: 0.000+/-0.000 χ^2/NDF : 9752876.7/38

- sign 0.000+/-0.000 χ^2/NDF : 4764536.4/20

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

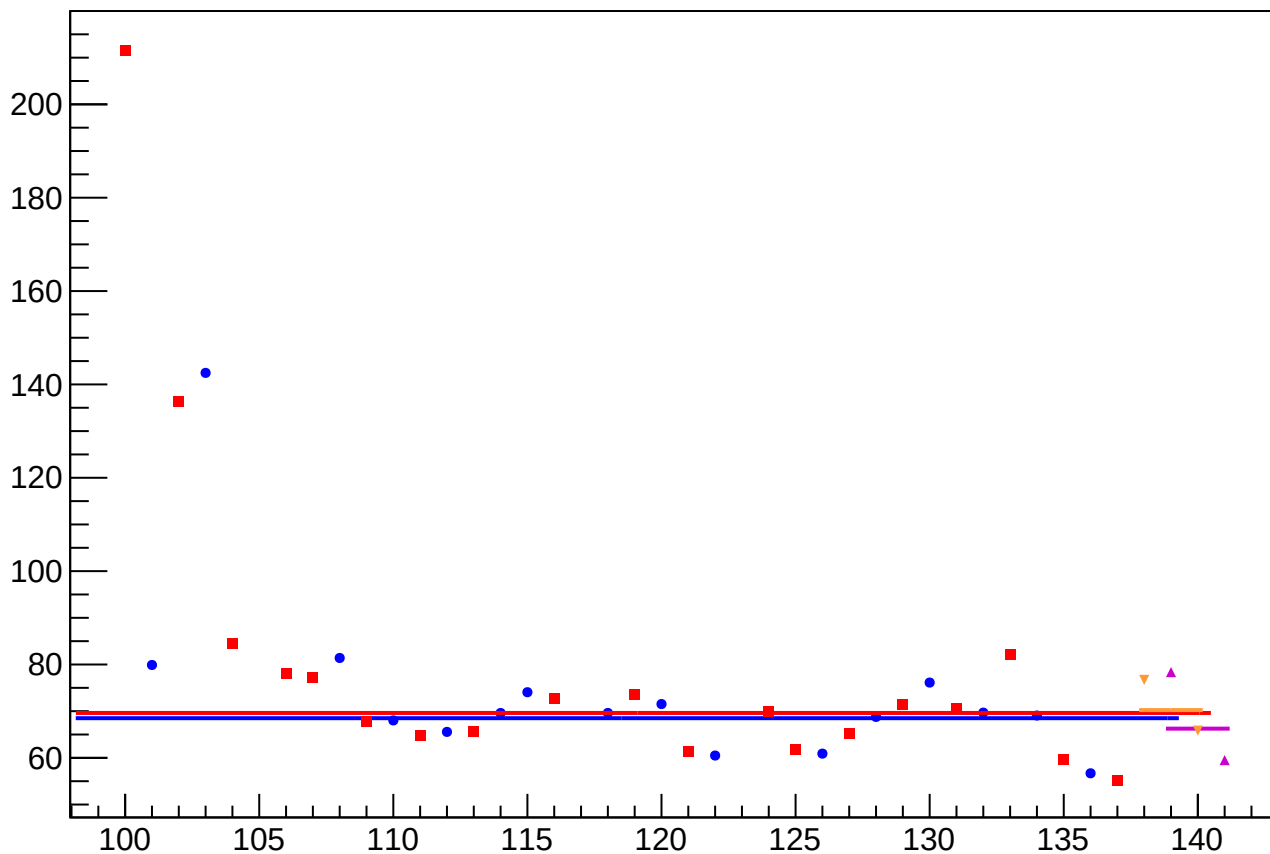
Left In: -47.304 ± 51.067 χ^2/NDF : 0.0/1

+ sign 24.332 ± 23.737 χ^2/NDF : 24.0/17

All: -16.752 ± 16.678 χ^2/NDF : 55.6/38

- sign -56.811 ± 23.439 χ^2/NDF : 25.8/20

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2 /NDF: 471865.0/15

Left Out: 70.229+/-0.040 χ^2 /NDF:18184.4/1

Right Out: 69.620+/-0.019 χ^2 /NDF: 520403.9/18

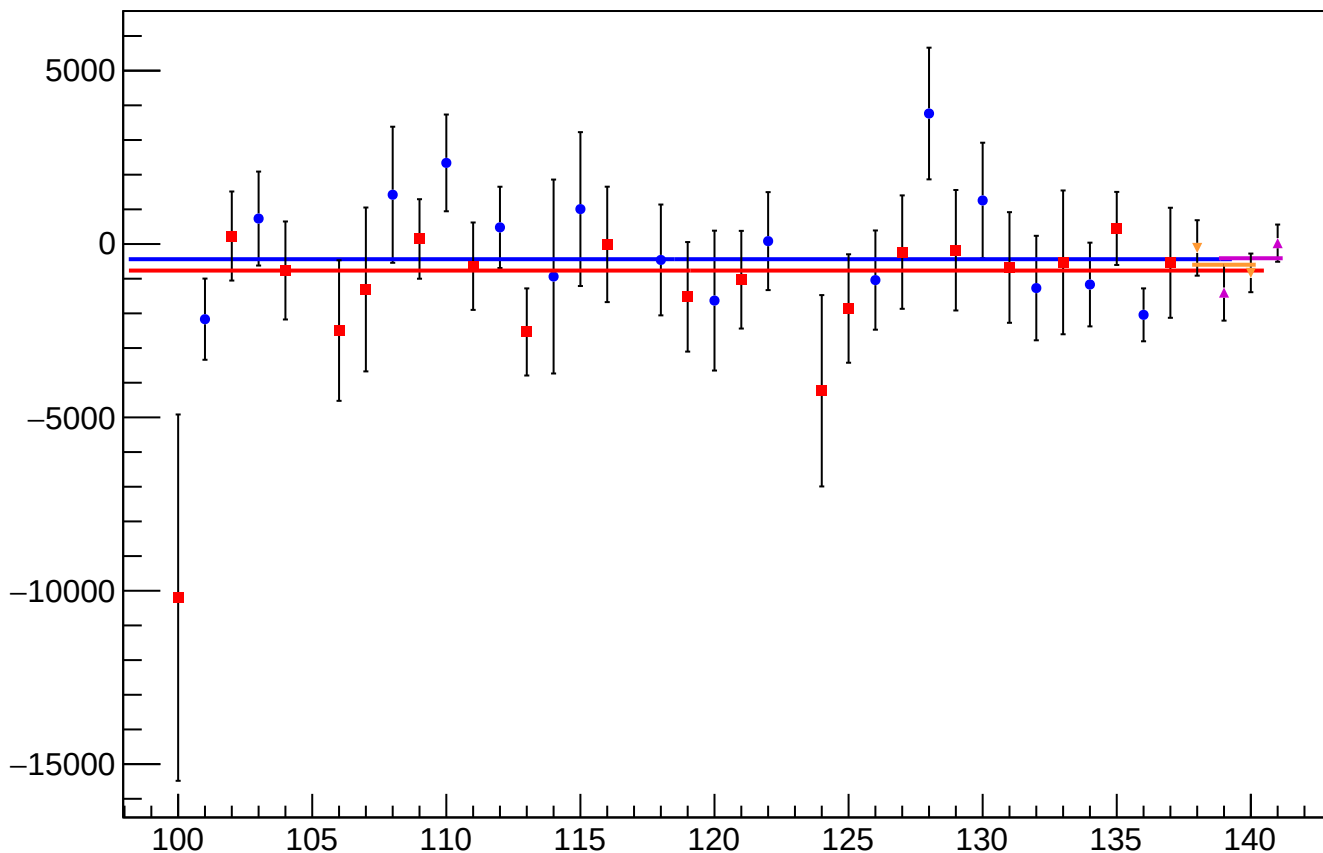
Left In: 66.261+/-0.036 χ^2 /NDF:62569.9/1

+ sign 68.810+/-0.017 χ^2 /NDF: 491617.0/17

All: 68.862+/-0.012 χ^2 /NDF: 1081438.0/38

- sign 68.912+/-0.017 χ^2 /NDF: 589802.2/20

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

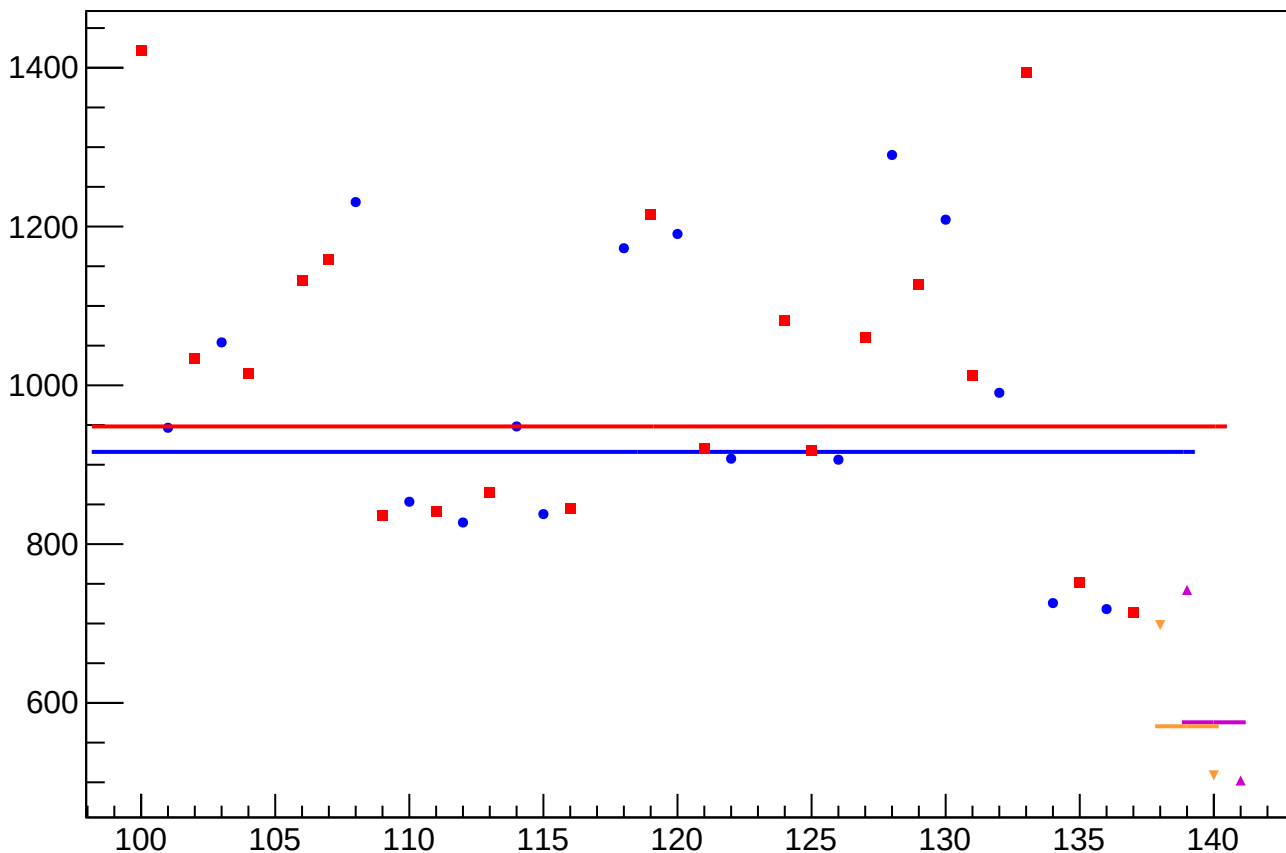
Left In: -410.028+/-447.093 χ^2/NDF : 2.2/1

+ sign -496.224+/-277.320 χ^2/NDF : 21.2/17

All: -562.607+/-196.010 χ^2/NDF : 35.2/38

- sign -628.875+/-277.079 χ^2/NDF : 13.9/20

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

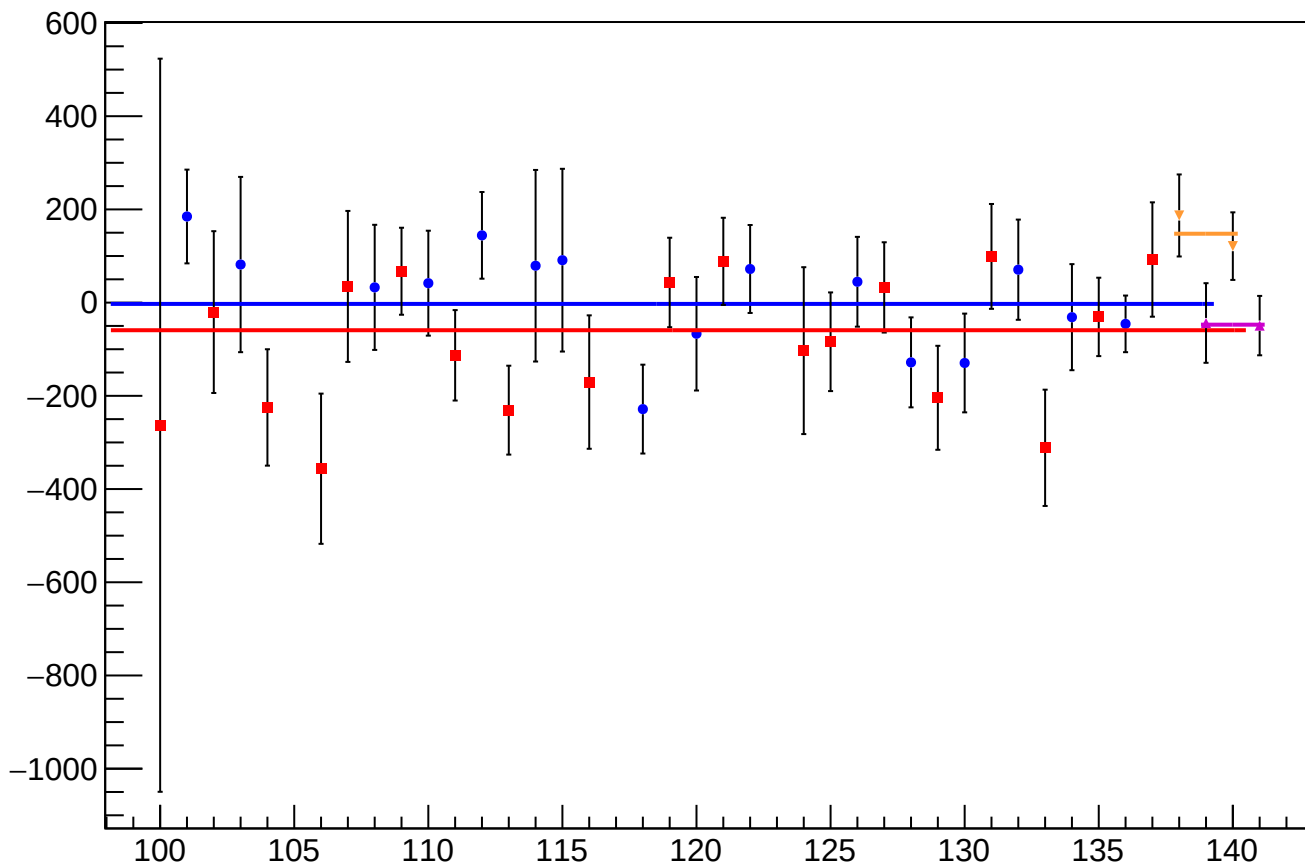
Left In: 575.577+/-0.316 χ^2/NDF : 122279.0/1

+ sign 788.927+/-0.196 χ^2/NDF : 1307207.5/17

All: 797.024+/-0.139 χ^2/NDF : 2703916.3/38

- sign 805.108+/-0.196 χ^2/NDF : 1393301.6/20

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 147.816 ± 55.955 χ^2/NDF : 0.3/1

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

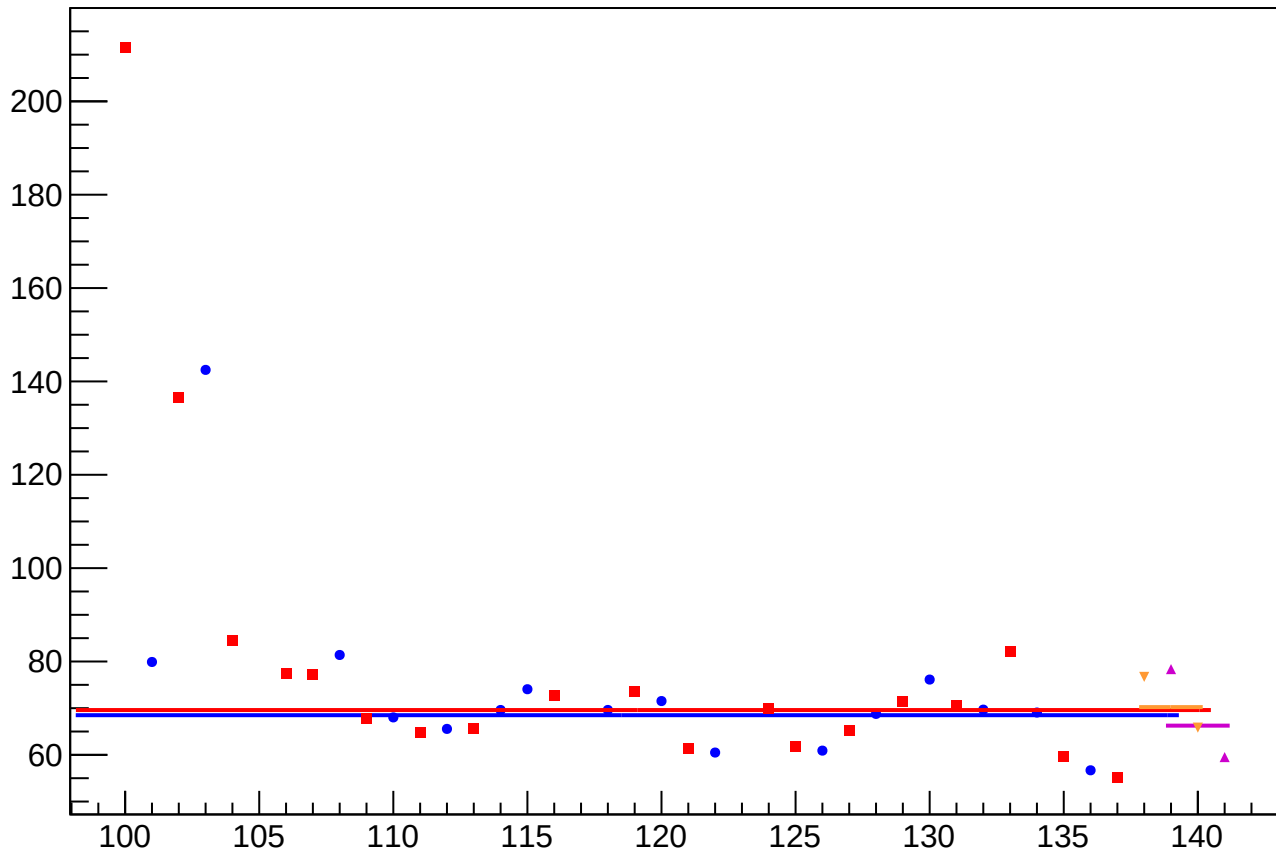
Left In: -47.312 ± 51.067 χ^2/NDF : 0.0/1

+ sign 24.328 ± 23.737 χ^2/NDF : 24.0/17

All: -16.705 ± 16.679 χ^2/NDF : 55.6/38

- sign -56.716 ± 23.440 χ^2/NDF : 25.7/20

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2 /NDF: 471868.0/15

Left Out: 70.229+/-0.040 χ^2 /NDF:18184.4/1

Right Out: 69.600+/-0.019 χ^2 /NDF: 519788.9/18

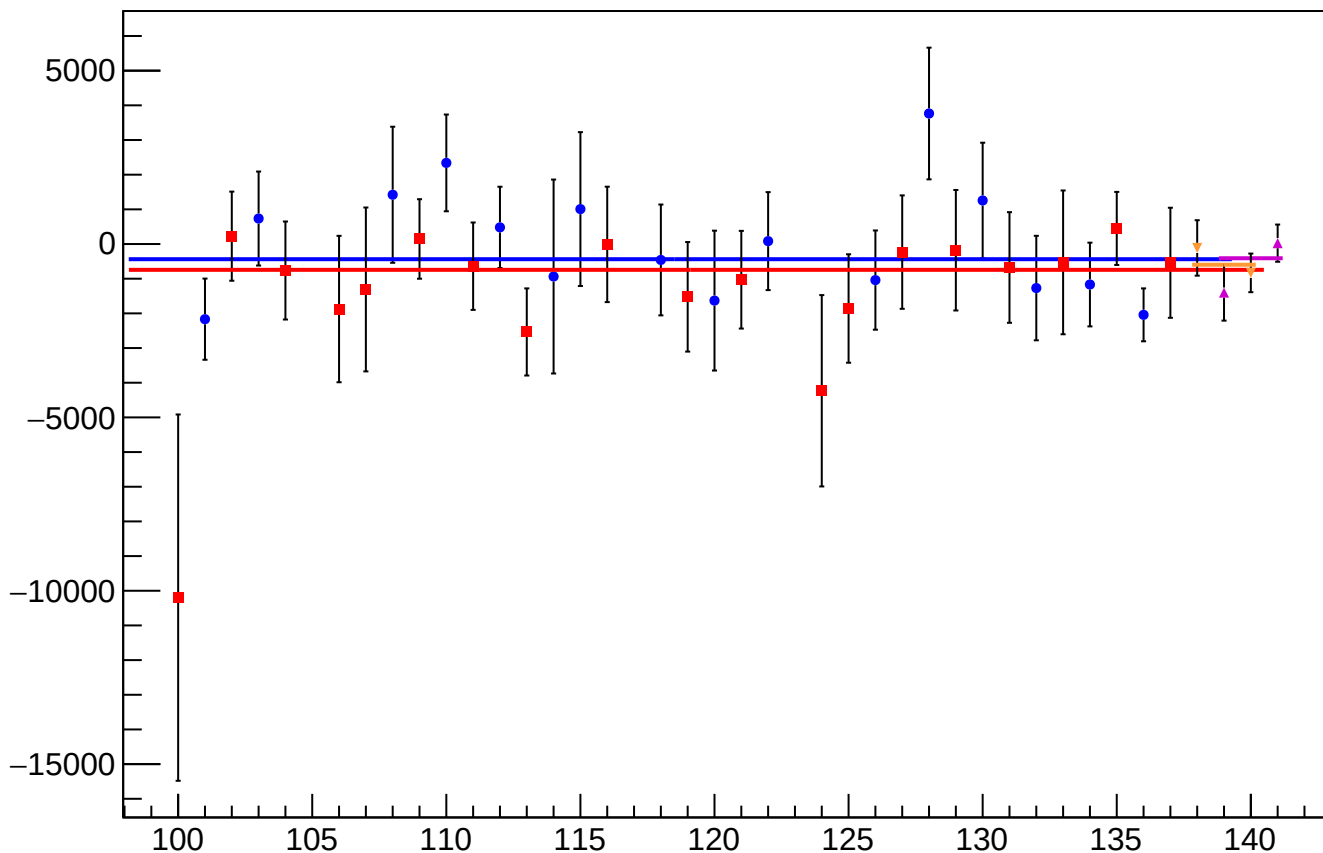
Left In: 66.261+/-0.036 χ^2 /NDF:62569.9/1

+ sign 68.810+/-0.017 χ^2 /NDF: 491620.0/17

All: 68.854+/-0.012 χ^2 /NDF: 1080742.7/38

- sign 68.897+/-0.017 χ^2 /NDF: 589109.1/20

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

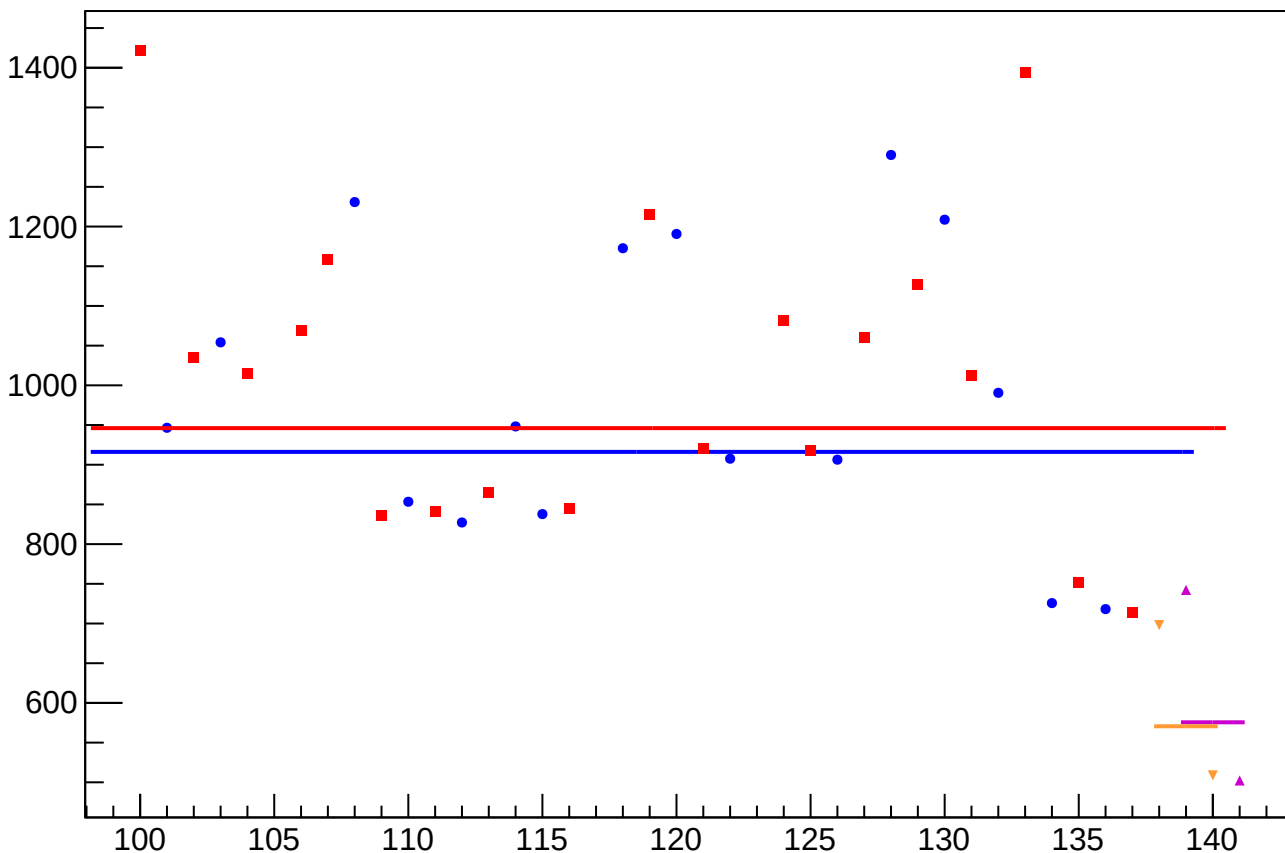
Left In: -410.042+/-447.093 χ^2/NDF : 2.2/1

+ sign -496.202+/-277.321 χ^2/NDF : 21.2/17

All: -555.998+/-196.084 χ^2/NDF : 34.6/38

- sign -615.780+/-277.290 χ^2/NDF : 13.4/20

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

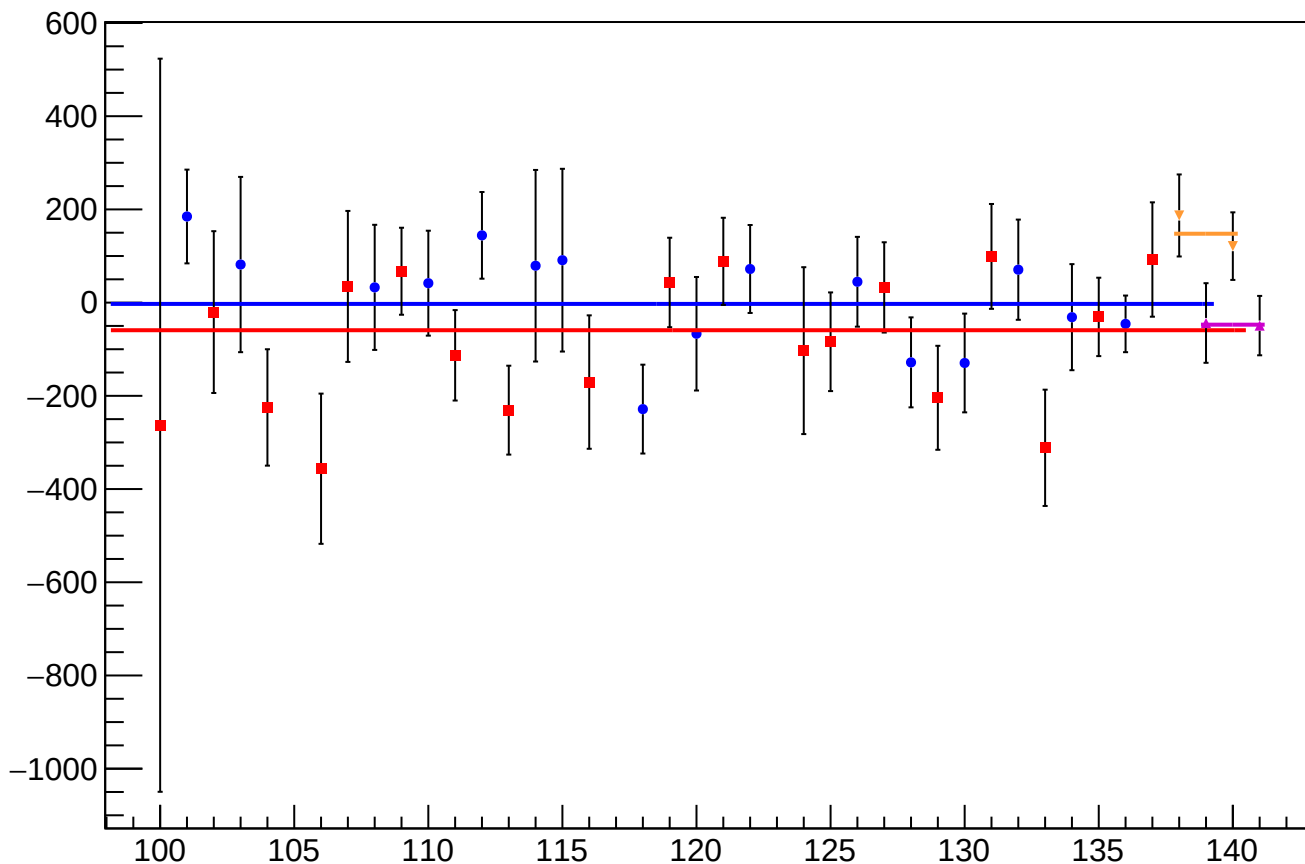
Left In: 575.577+/-0.316 χ^2/NDF : 122277.7/1

+ sign 788.928+/-0.196 χ^2/NDF : 1307246.8/17

All: 796.251+/-0.139 χ^2/NDF : 2682935.2/38

- sign 803.572+/-0.196 χ^2/NDF : 1372899.9/20

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

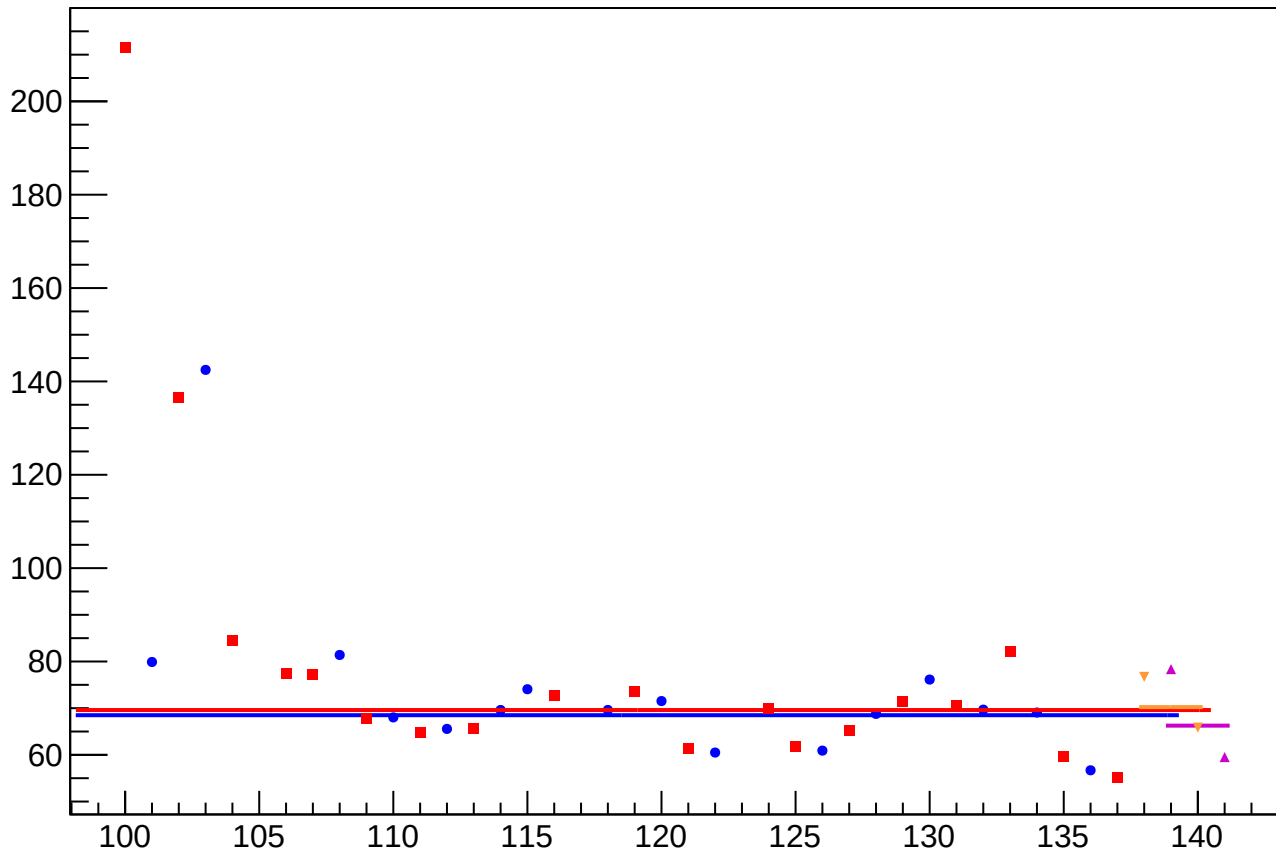
Left In: -47.312 ± 51.067 χ^2/NDF : 0.0/1

+ sign 24.328 ± 23.737 χ^2/NDF : 24.0/17

All: -16.705 ± 16.679 χ^2/NDF : 55.6/38

- sign -56.716 ± 23.440 χ^2/NDF : 25.7/20

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF : 471868.0/15

Left Out: 70.229+/-0.040 χ^2/NDF :18184.4/1

Right Out: 69.600+/-0.019 χ^2/NDF : 519788.9/18

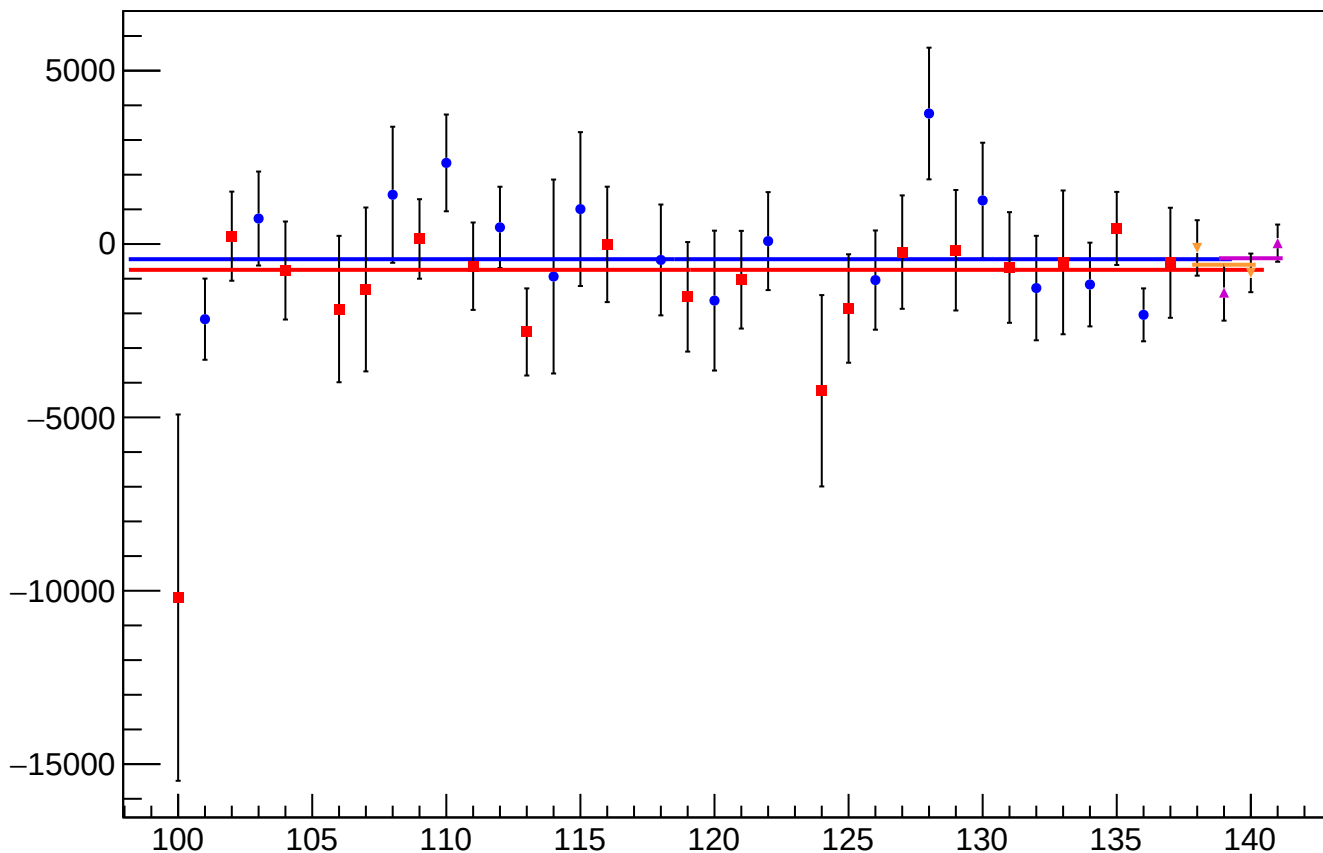
Left In: 66.261+/-0.036 χ^2/NDF :62569.9/1

+ sign 68.810+/-0.017 χ^2/NDF : 491620.0/17

All: 68.854+/-0.012 χ^2/NDF : 1080742.7/38

- sign 68.897+/-0.017 χ^2/NDF : 589109.1/20

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

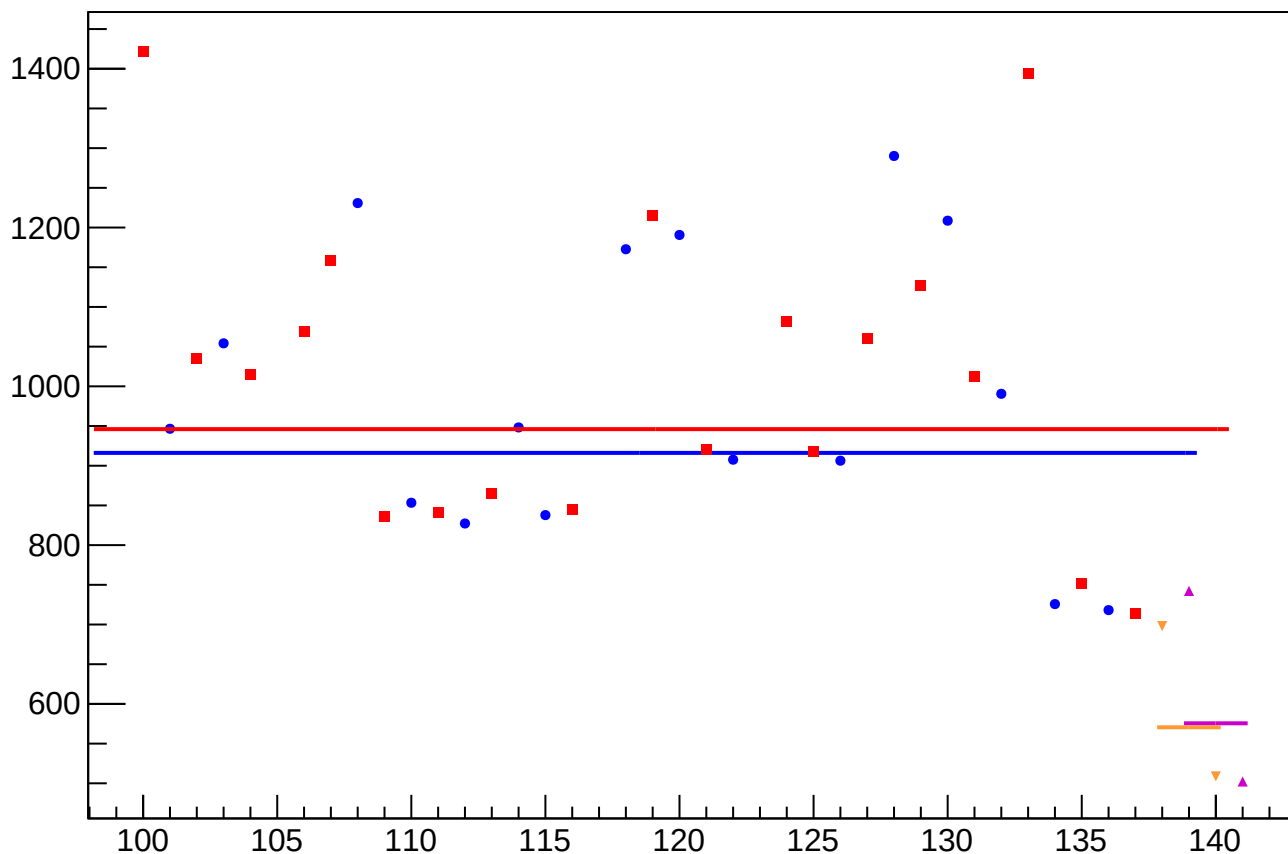
Left In: -410.042+/-447.093 χ^2/NDF : 2.2/1

+ sign -496.202+/-277.321 χ^2/NDF : 21.2/17

All: -555.998+/-196.084 χ^2/NDF : 34.6/38

- sign -615.780+/-277.290 χ^2/NDF : 13.4/20

asym_sam_12345678_avg_eigen_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

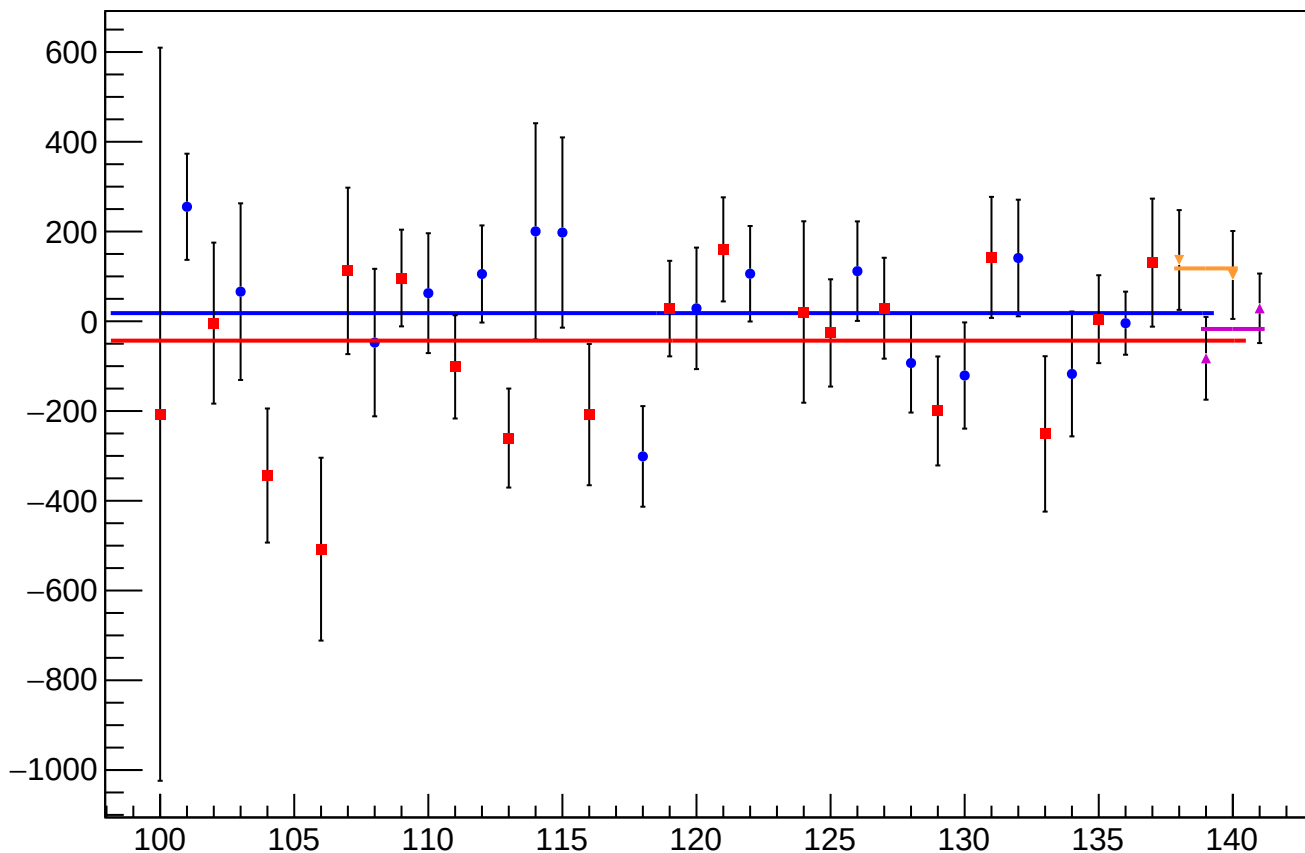
Left In: 575.577+/-0.316 χ^2/NDF : 122277.7/1

+ sign 788.928+/-0.196 χ^2/NDF : 1307246.8/17

All: 796.251+/-0.139 χ^2/NDF : 2682935.2/38

- sign 803.572+/-0.196 χ^2/NDF : 1372899.9/20

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF : 20.1/15

Left Out: 117.794+/-73.478 χ^2/NDF : 0.1/1

Right Out: -43.146+/-30.707 χ^2/NDF : 27.7/18

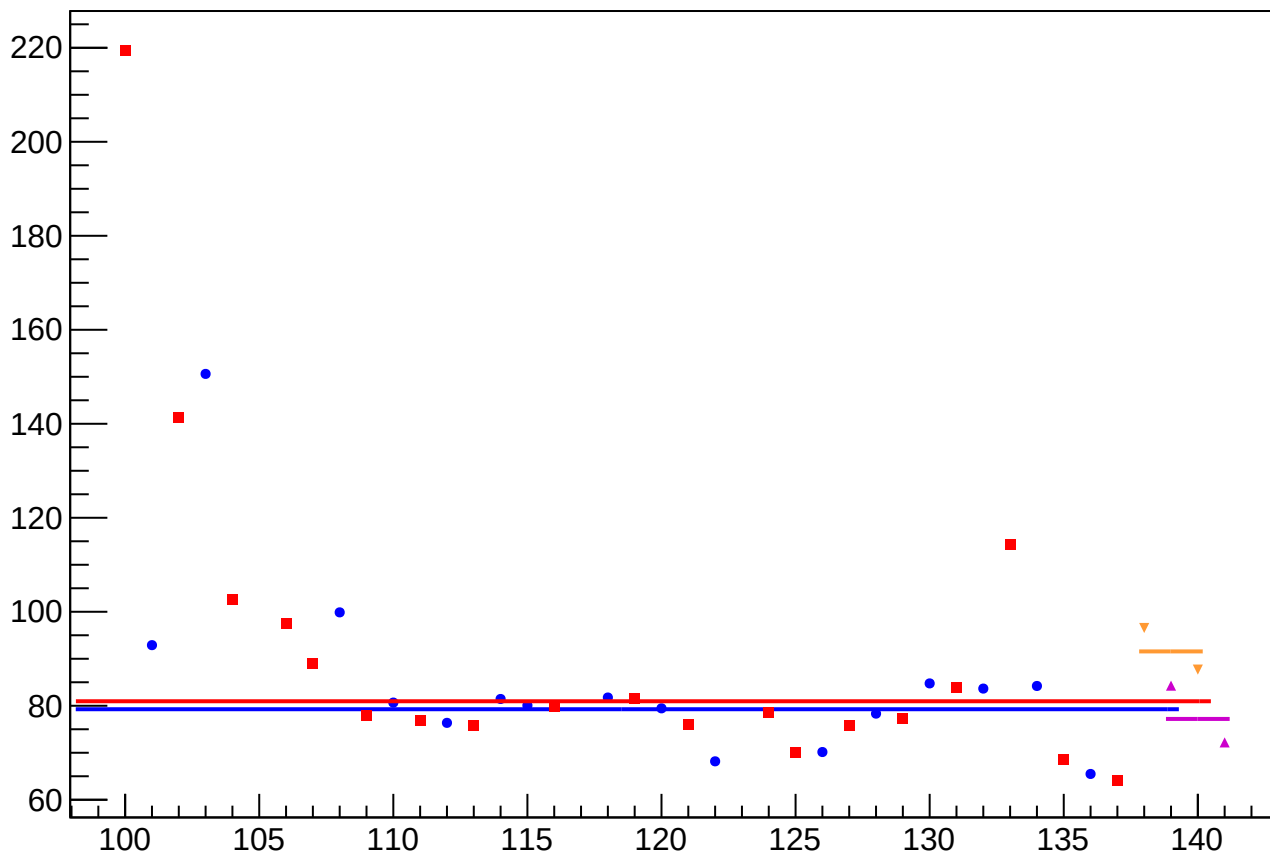
Left In: -17.147+/-59.328 χ^2/NDF : 0.9/1

+ sign 32.691+/-28.048 χ^2/NDF : 21.8/17

All: -3.469+/-19.552 χ^2/NDF : 53.7/38

- sign -37.652+/-27.271 χ^2/NDF : 28.7/20

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 $\pm$ 0.021 χ^2 /NDF: 444951.1/15

Left Out: 91.564 $\pm$ 0.052 χ^2 /NDF: 7147.9/1

Right Out: 80.958 $\pm$ 0.022 χ^2 /NDF: 514182.4/18

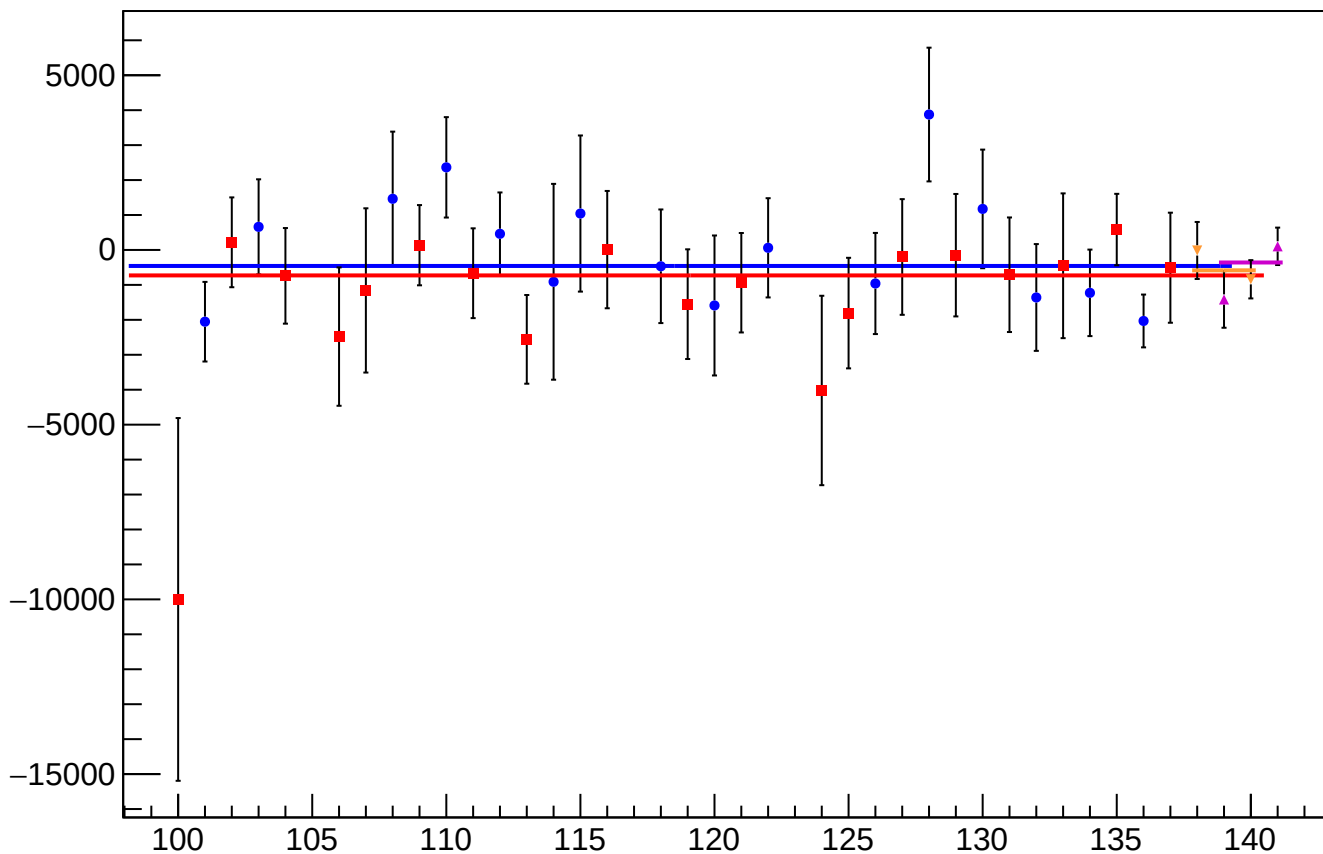
Left In: 77.197 $\pm$ 0.042 χ^2 /NDF: 20095.7/1

+ sign 81.055 $\pm$ 0.020 χ^2 /NDF: 499984.1/17

All: 80.597 $\pm$ 0.014 χ^2 /NDF: 1041641.0/38

- sign 80.164 $\pm$ 0.019 χ^2 /NDF: 540617.6/20

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

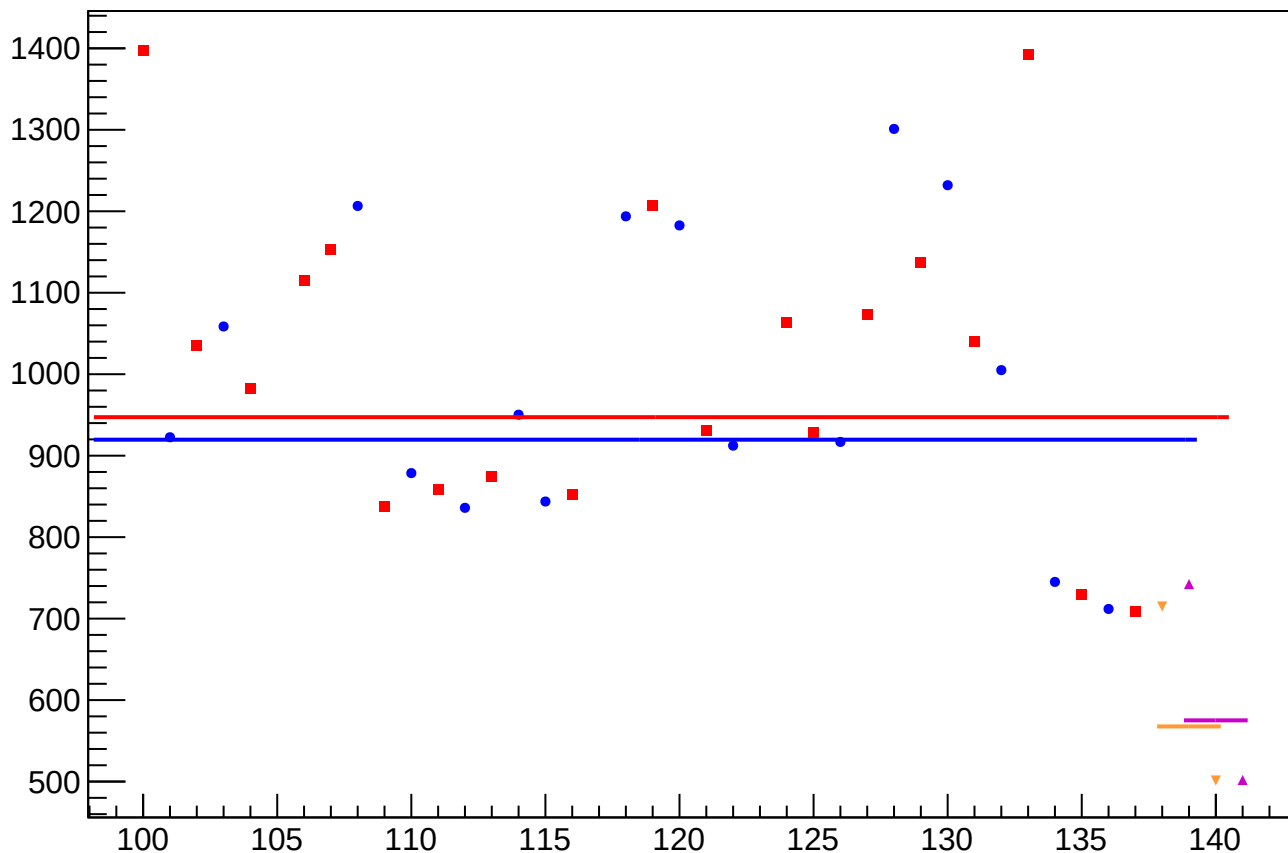
Left In: -358.827+/-446.532 χ^2/NDF : 2.5/1

+ sign -504.722+/-277.409 χ^2/NDF : 21.0/17

All: -545.809+/-195.912 χ^2/NDF : 35.5/38

- sign -586.691+/-276.715 χ^2/NDF : 14.4/20

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

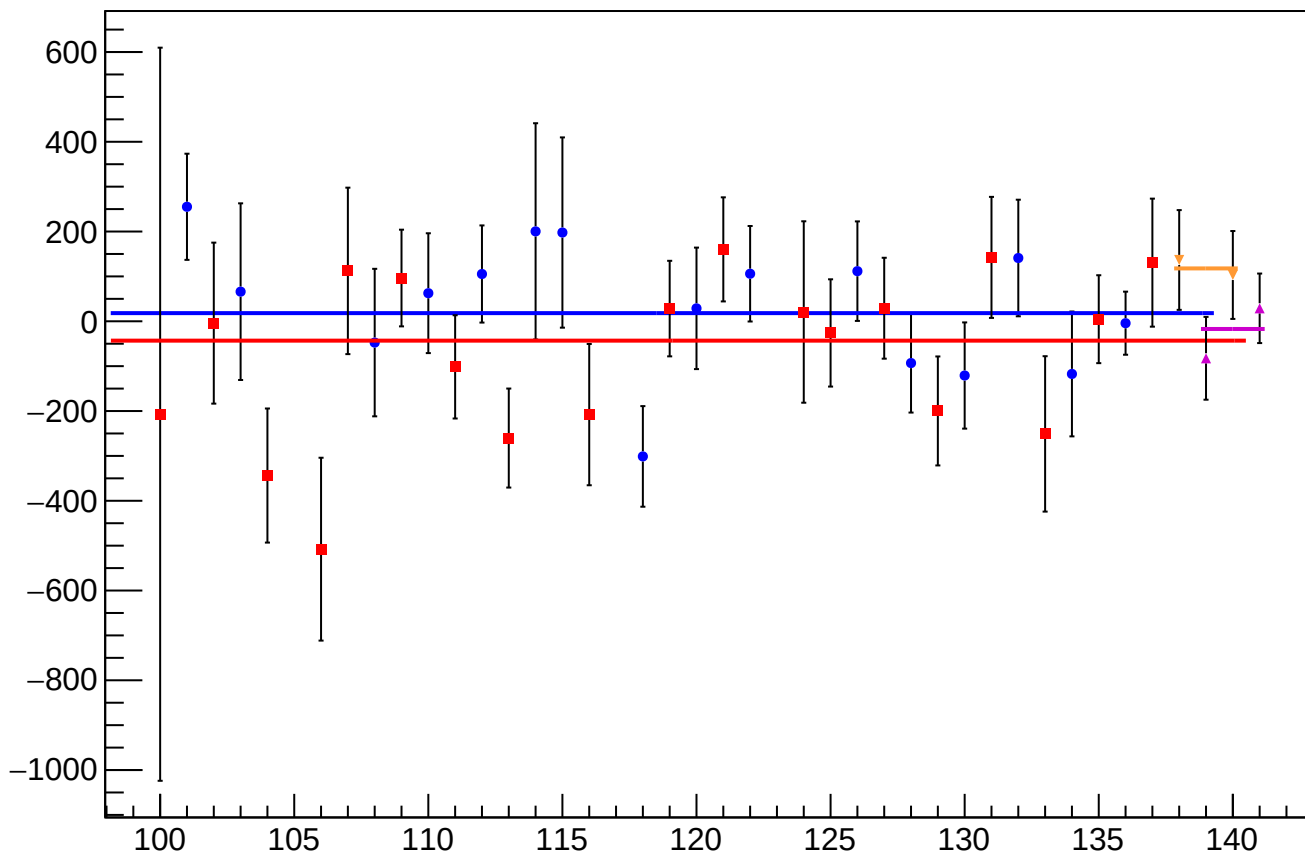
Left In: 575.105 $\pm$ 0.316 χ^2 /NDF: 122793.1/1

+ sign 788.687 $\pm$ 0.196 χ^2 /NDF: 1362070.1/17

All: 796.539 $\pm$ 0.139 χ^2 /NDF: 2769407.6/38

- sign 804.351 $\pm$ 0.196 χ^2 /NDF: 1404141.3/20

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF : 20.1/15

Left Out: 117.794+/-73.479 χ^2/NDF : 0.1/1

Right Out: -43.144+/-30.707 χ^2/NDF : 27.7/18

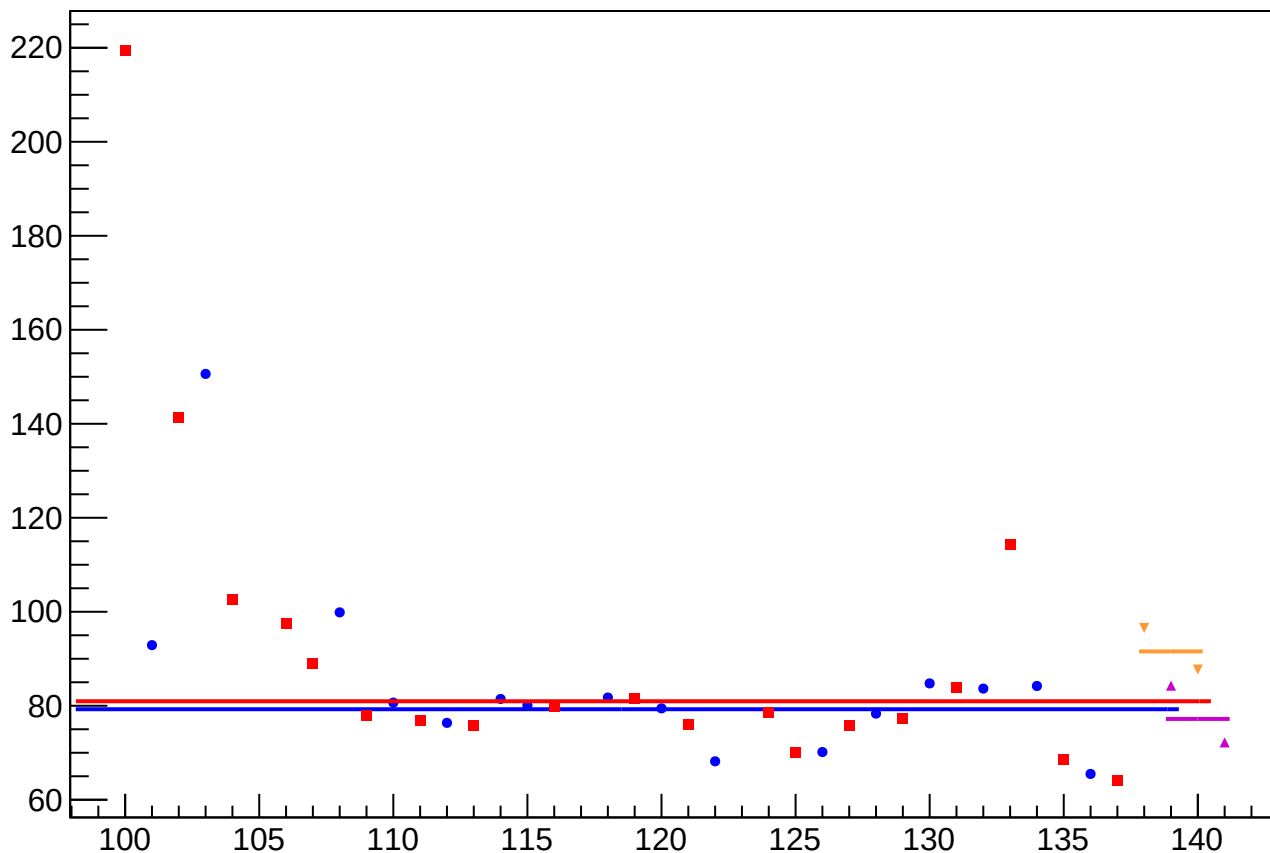
Left In: -17.148+/-59.328 χ^2/NDF : 0.9/1

+ sign 32.691+/-28.048 χ^2/NDF : 21.8/17

All: -3.469+/-19.552 χ^2/NDF : 53.7/38

- sign -37.651+/-27.271 χ^2/NDF : 28.7/20

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 $\pm$ 0.021 χ^2 /NDF: 444948.4/15

Left Out: 91.564 $\pm$ 0.052 χ^2 /NDF: 7146.8/1

Right Out: 80.958 $\pm$ 0.022 χ^2 /NDF: 514191.2/18

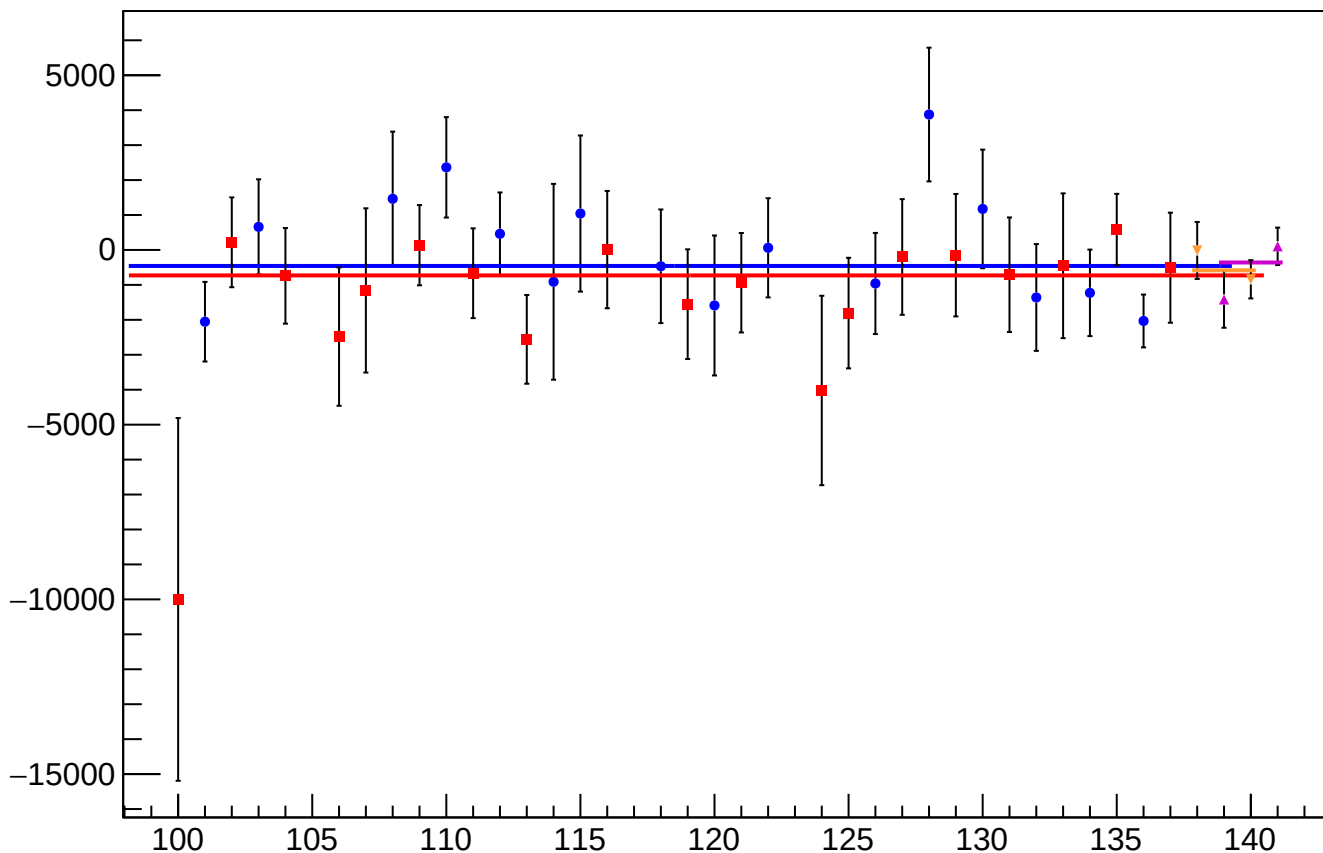
Left In: 77.197 $\pm$ 0.042 χ^2 /NDF: 20095.0/1

+ sign 81.055 $\pm$ 0.020 χ^2 /NDF: 499983.1/17

All: 80.597 $\pm$ 0.014 χ^2 /NDF: 1041646.6/38

- sign 80.164 $\pm$ 0.019 χ^2 /NDF: 540624.3/20

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -458.104 $\pm$ 350.074 χ^2 /NDF: 20.3/15

Left Out: -583.394 $\pm$ 454.793 χ^2 /NDF:0.7/1

Right Out: -728.749 $\pm$ 352.573 χ^2 /NDF: 11.5/18

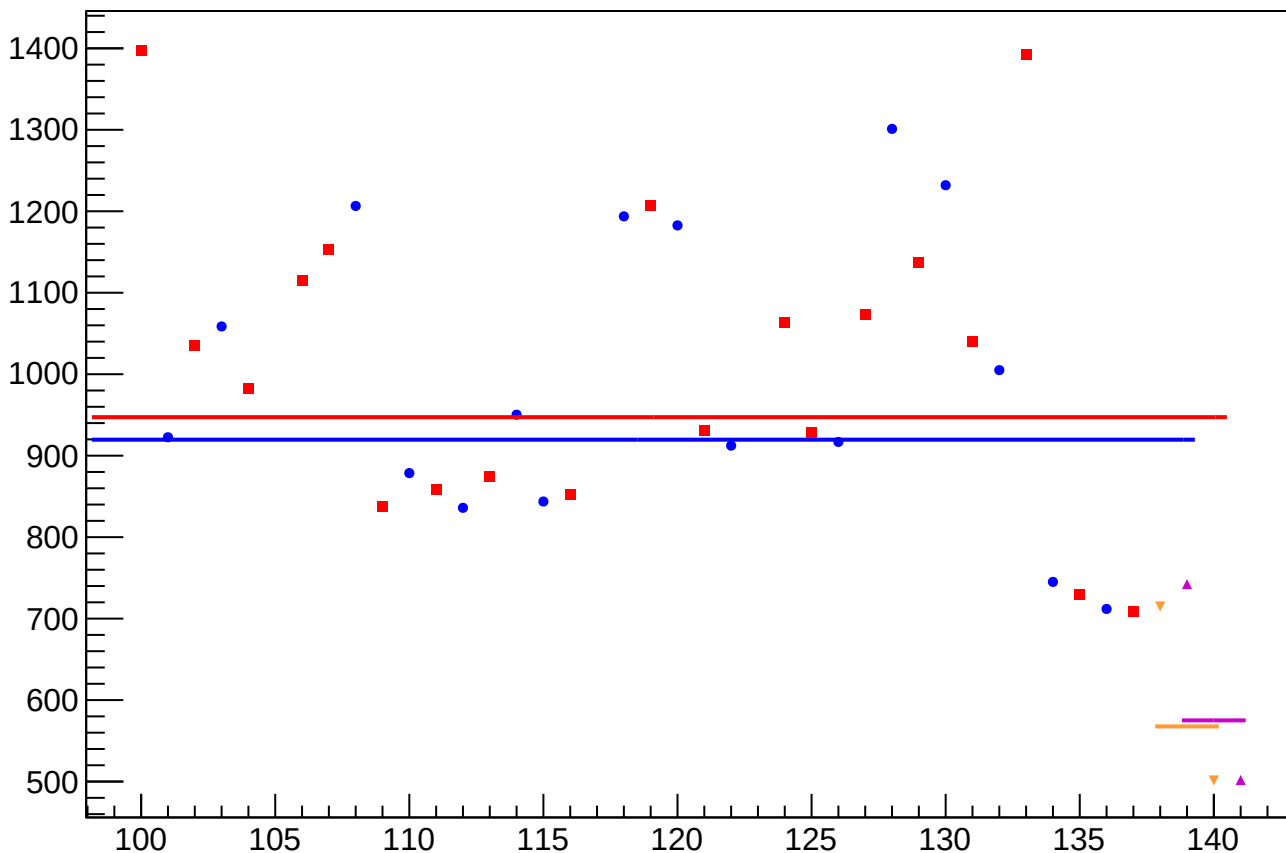
Left In: -358.828 $\pm$ 446.532 χ^2 /NDF:2.5/1

+ sign -504.719 $\pm$ 277.408 χ^2 /NDF: 21.0/17

All: -545.808 $\pm$ 195.911 χ^2 /NDF: 35.5/38

- sign -586.690 $\pm$ 276.714 χ^2 /NDF: 14.4/20

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 919.636 $\pm$ 0.248 χ^2 /NDF: 515443.9/15

Left Out: 567.674 $\pm$ 0.322 χ^2 /NDF:94459.0/1

Right Out: 947.270 $\pm$ 0.249 χ^2 /NDF: 425565.2/18

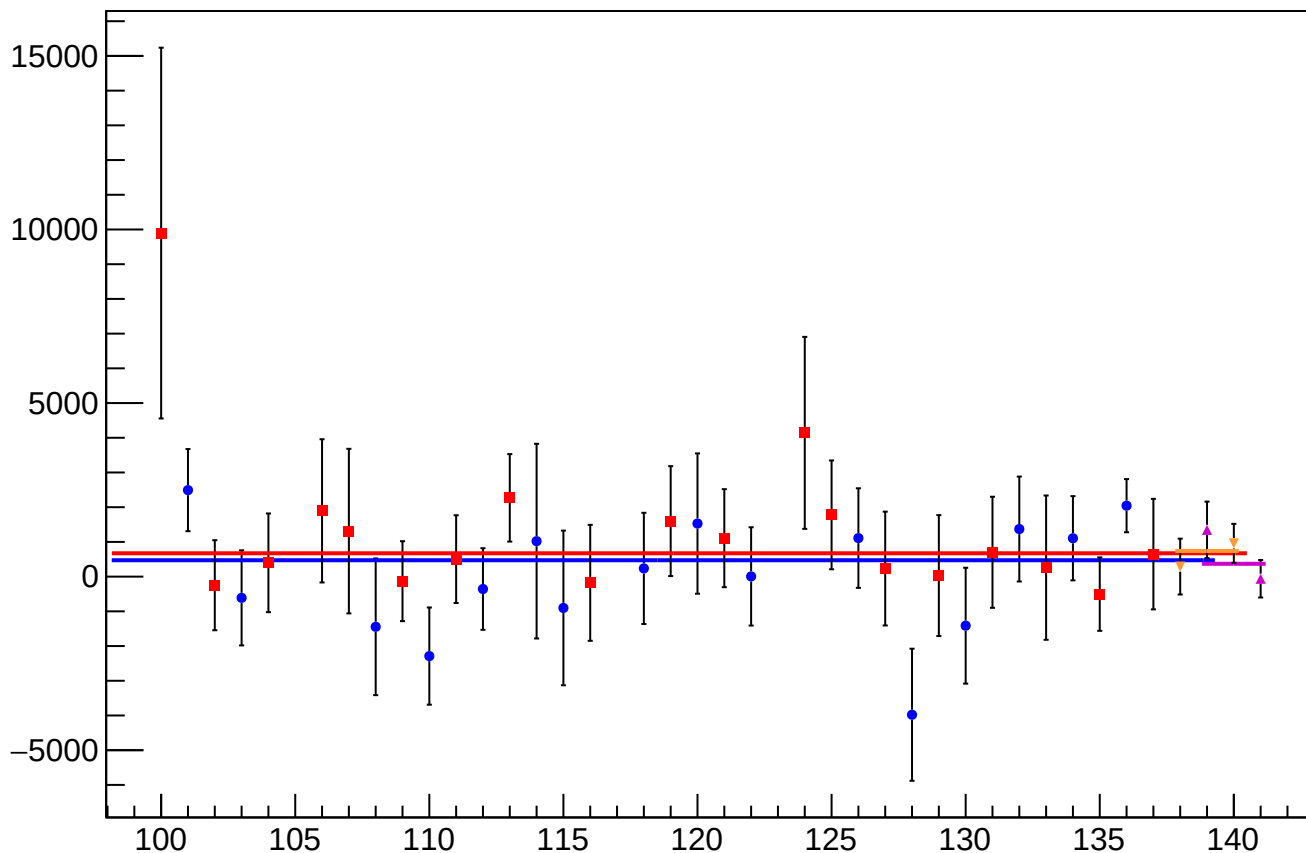
Left In: 575.104 $\pm$ 0.316 χ^2 /NDF:122793.1/1

+ sign 788.686 $\pm$ 0.196 χ^2 /NDF: 1362069.6/17

All: 796.537 $\pm$ 0.139 χ^2 /NDF: 2769407.1/38

- sign 804.349 $\pm$ 0.196 χ^2 /NDF: 1404141.3/20

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF : 21.5/15

Left Out: 739.136+/-460.665 χ^2/NDF : 0.5/1

Right Out: 672.537+/-354.512 χ^2/NDF : 10.3/18

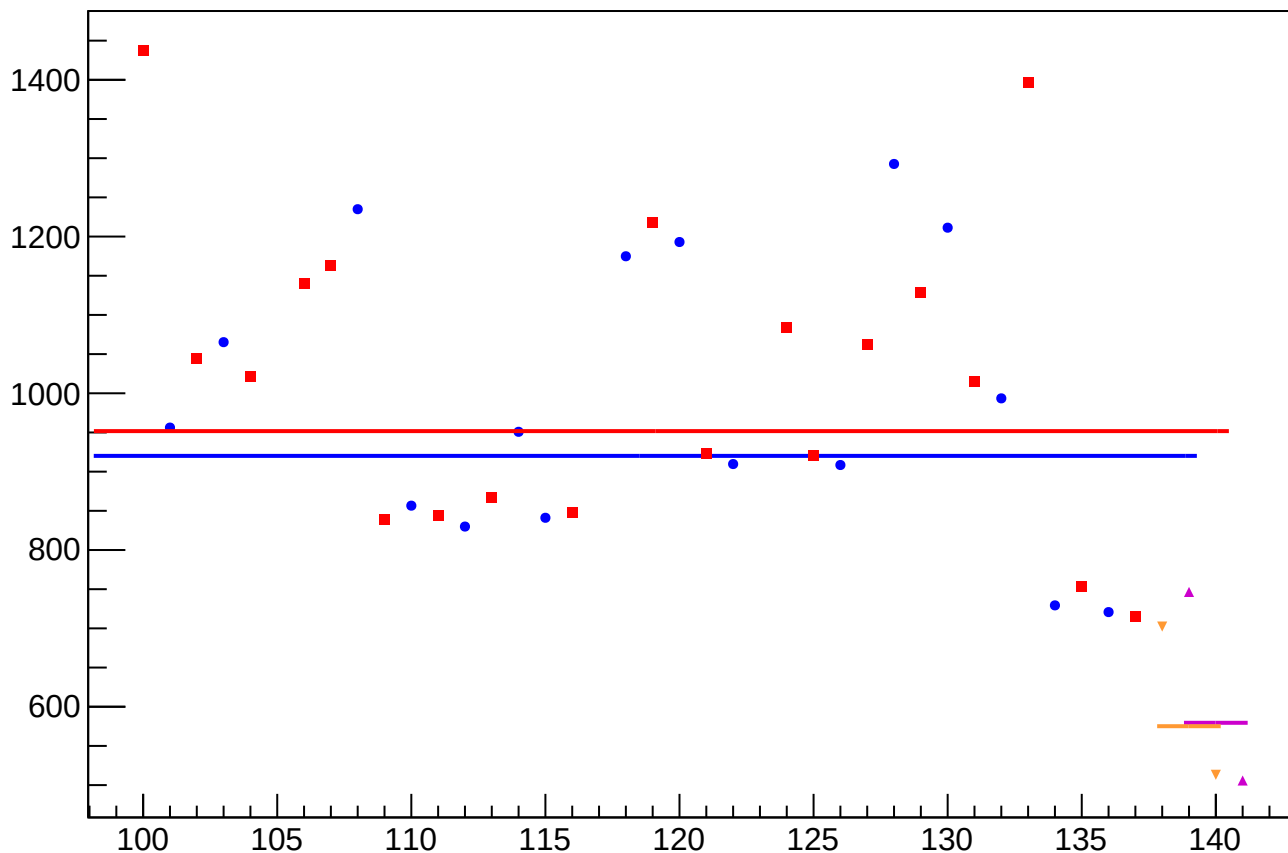
Left In: 369.695+/-450.084 χ^2/NDF : 2.1/1

+ sign 569.910+/-278.877 χ^2/NDF : 22.2/17

All: 563.240+/-197.061 χ^2/NDF : 34.8/38

- sign 556.588+/-278.496 χ^2/NDF : 12.7/20

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF : 508678.6/15

Left Out: 575.160+/-0.326 χ^2/NDF : 74293.1/1

Right Out: 951.726+/-0.251 χ^2/NDF : 416116.3/18

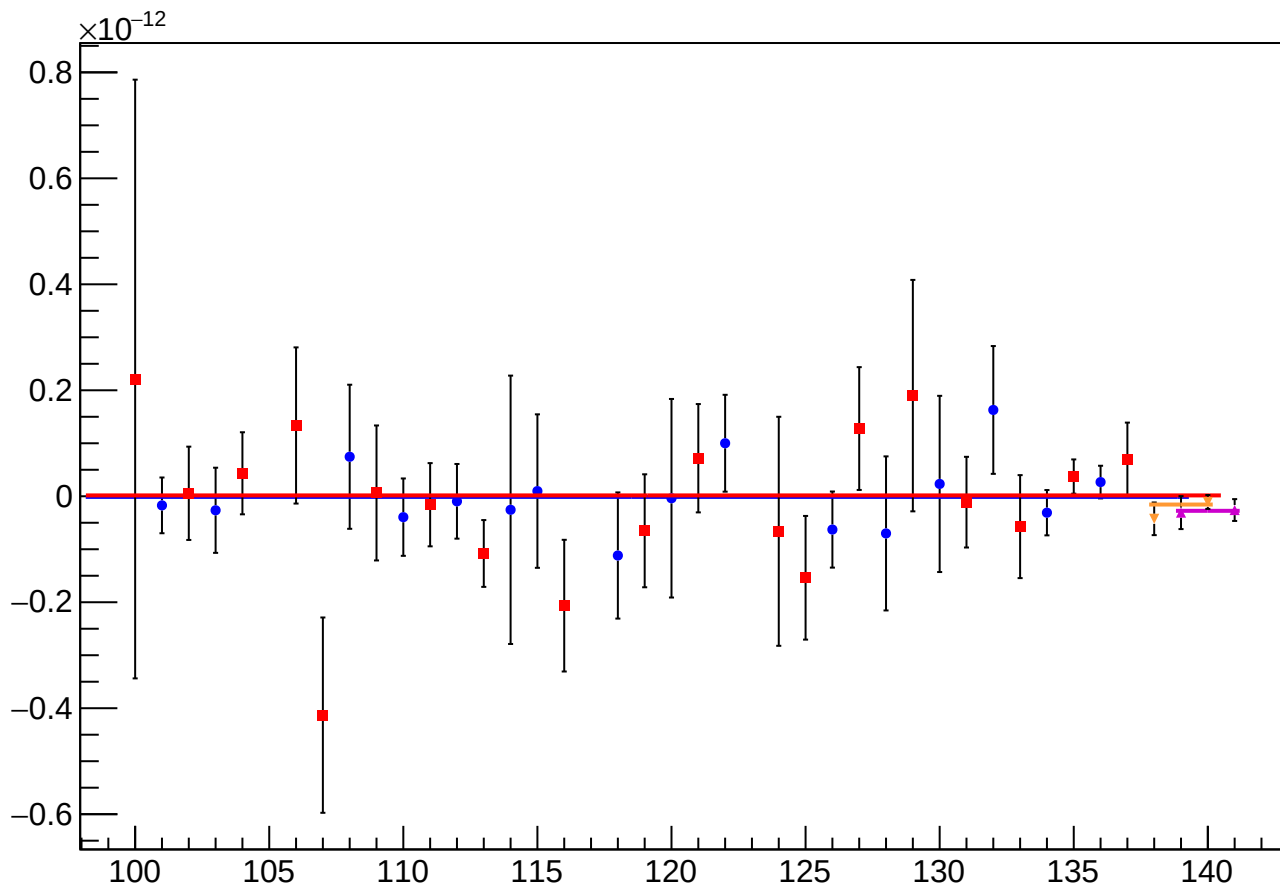
Left In: 579.508+/-0.318 χ^2/NDF : 121401.8/1

+ sign 793.701+/-0.197 χ^2/NDF : 1293477.9/17

All: 801.469+/-0.139 χ^2/NDF : 2678234.0/38

- sign 809.215+/-0.197 χ^2/NDF : 1381657.2/20

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

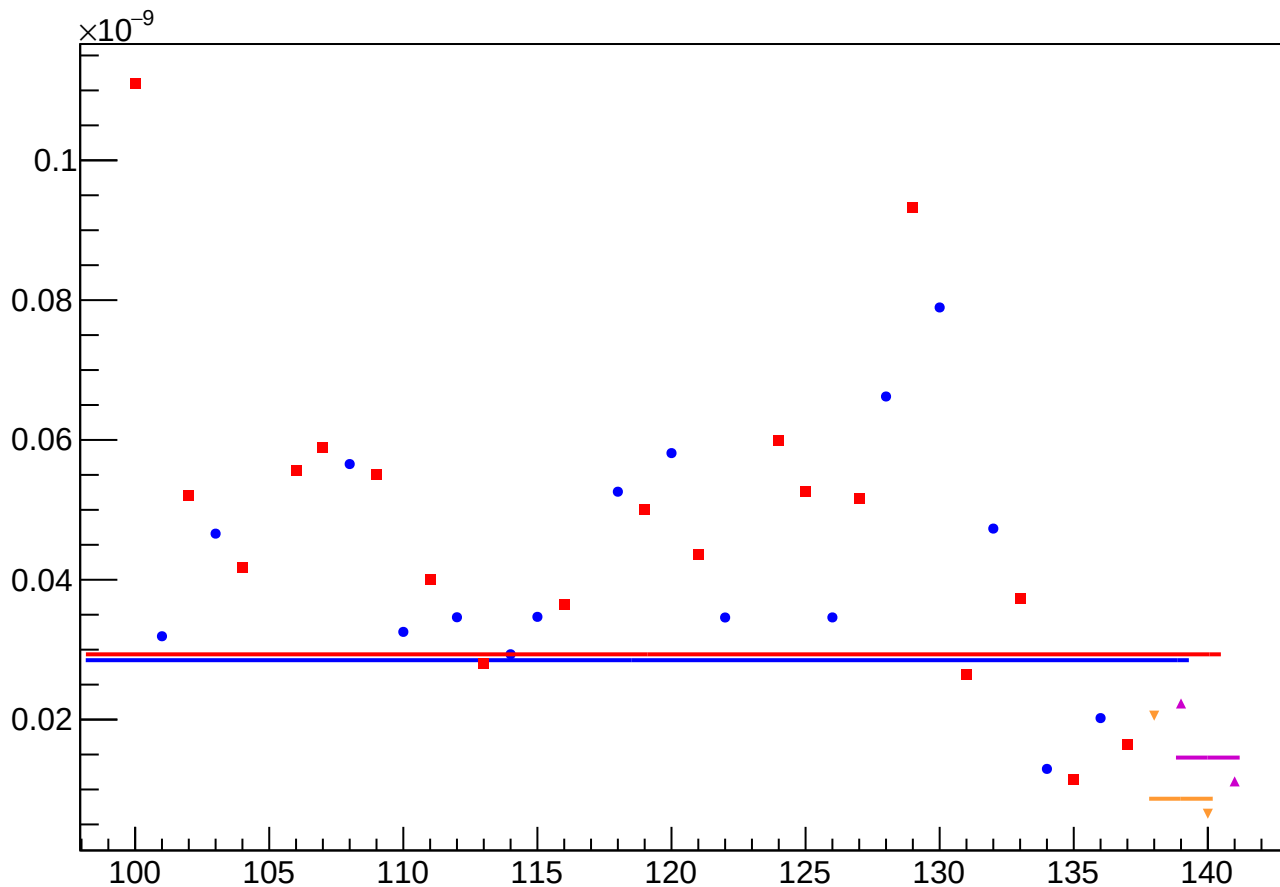
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 8.4/17

All: -0.000+/-0.000 χ^2/NDF : 29.2/38

- sign -0.000+/-0.000 χ^2/NDF : 20.7/20

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

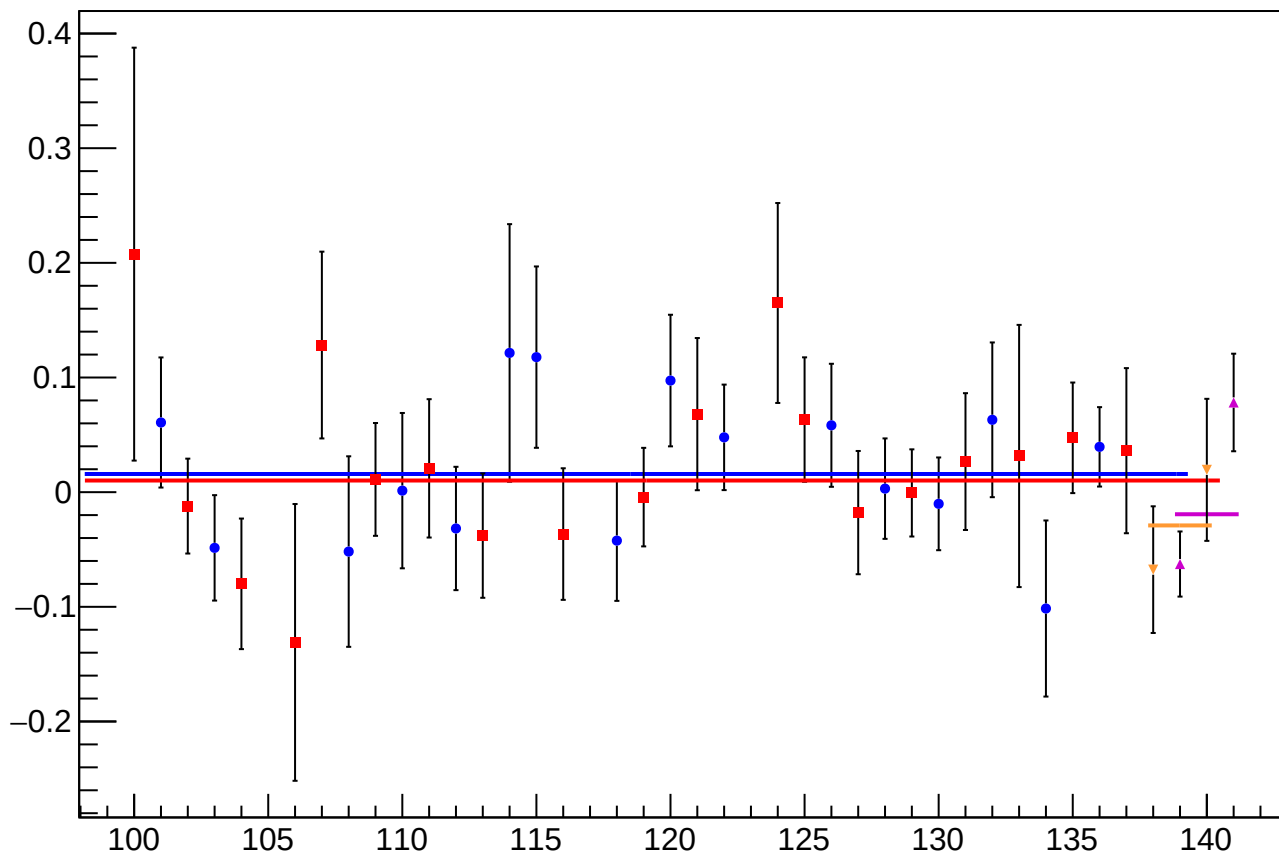
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:178784.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3215183.5/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5982876.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2480120.9/20

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

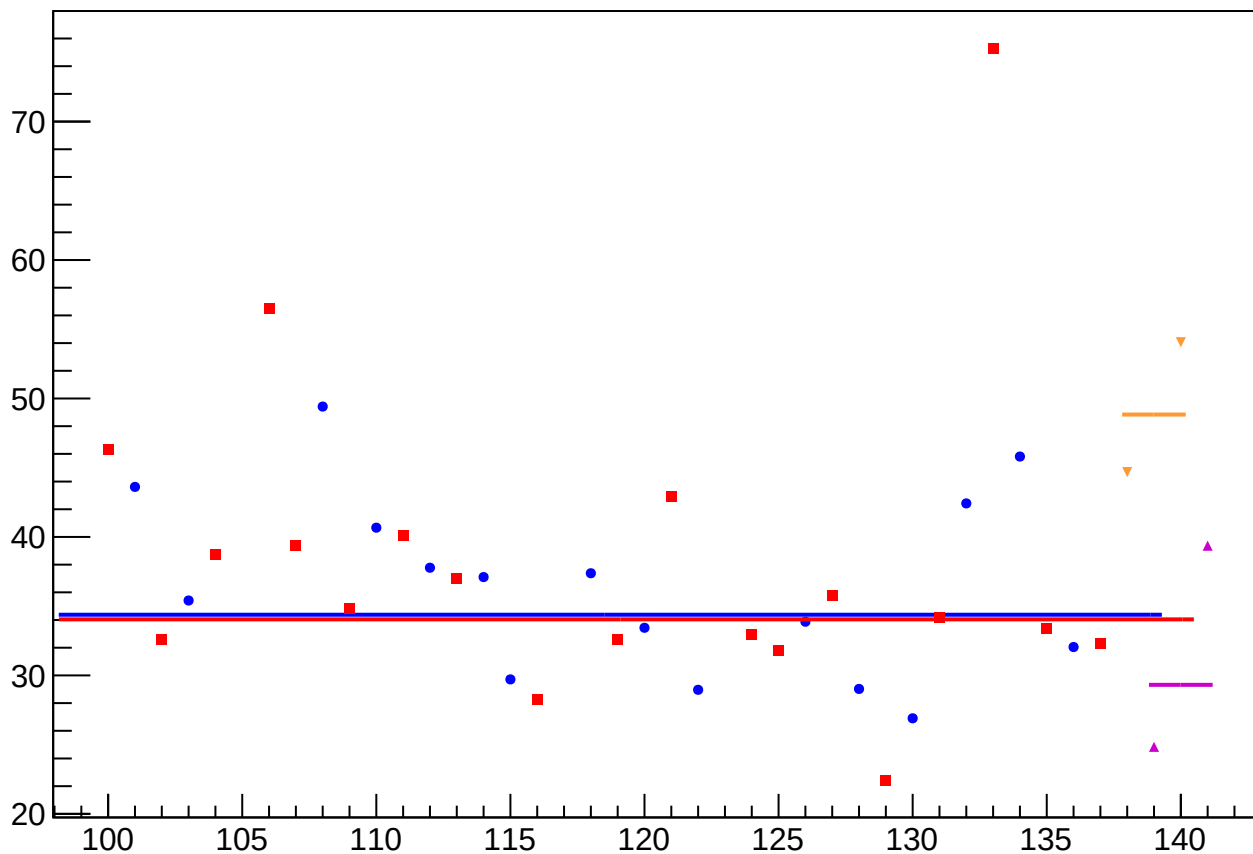
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.007 $\pm$ 0.009 χ^2 /NDF: 41.1/38

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.382+/-0.009 χ^2 /NDF: 367883.0/15

Left Out: 48.840+/-0.029 χ^2 /NDF: 25532.9/1

Right Out: 34.047+/-0.009 χ^2 /NDF: 642697.3/18

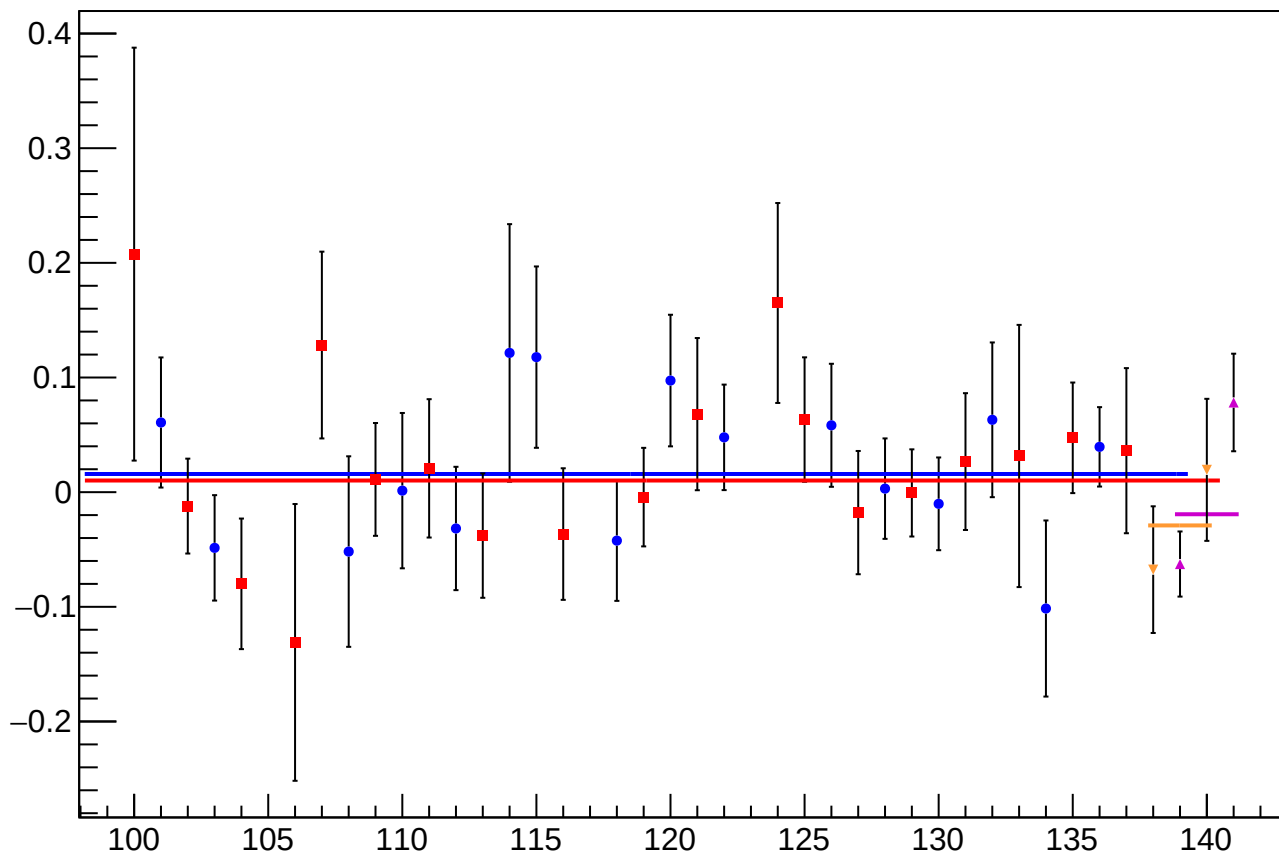
Left In: 29.319+/-0.017 χ^2 /NDF: 161263.9/1

+ sign 35.762+/-0.009 χ^2 /NDF: 615889.8/17

All: 34.200+/-0.006 χ^2 /NDF: 1535602.5/38

- sign 32.921+/-0.008 χ^2 /NDF: 865017.4/20

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

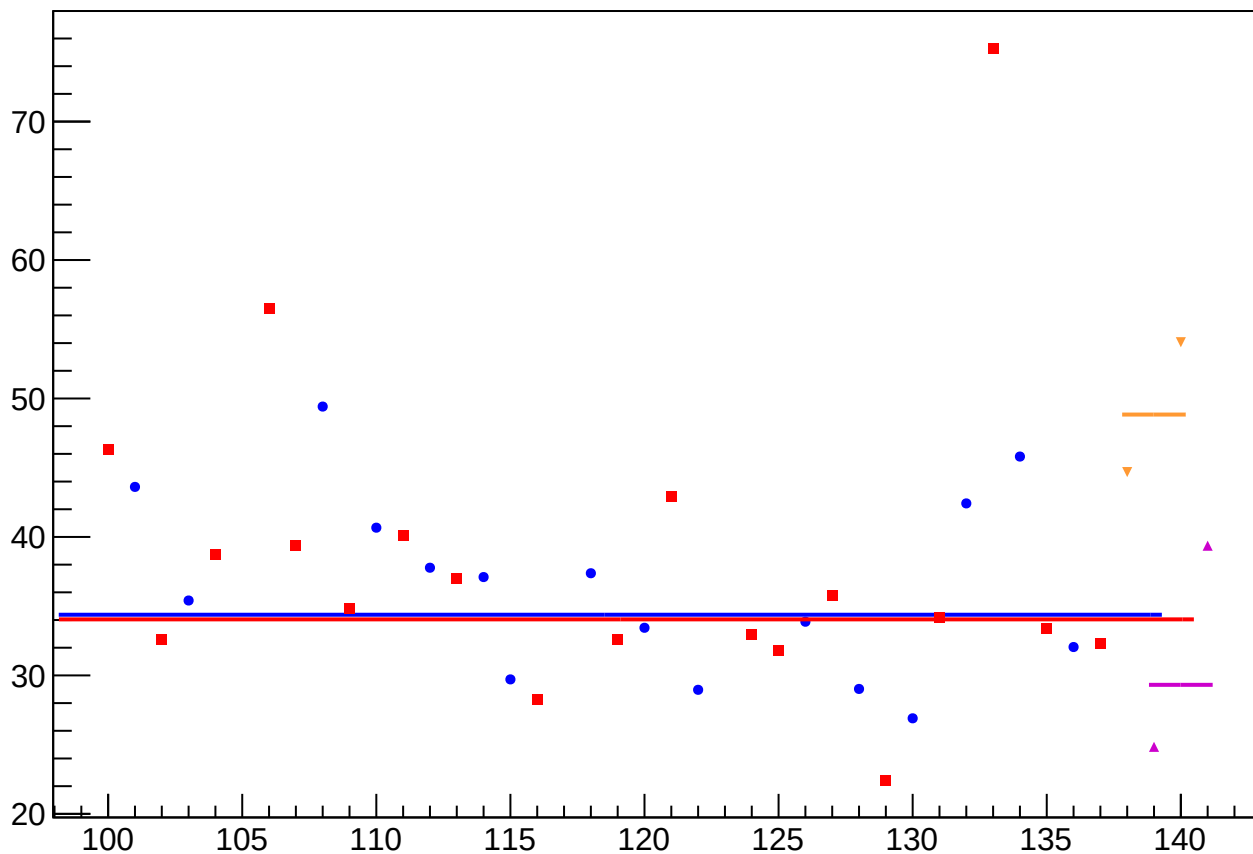
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.007 $\pm$ 0.009 χ^2 /NDF: 41.1/38

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.382 $\pm$ 0.009 χ^2 /NDF: 367883.0/15

Left Out: 48.840 $\pm$ 0.029 χ^2 /NDF: 25532.9/1

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642697.3/18

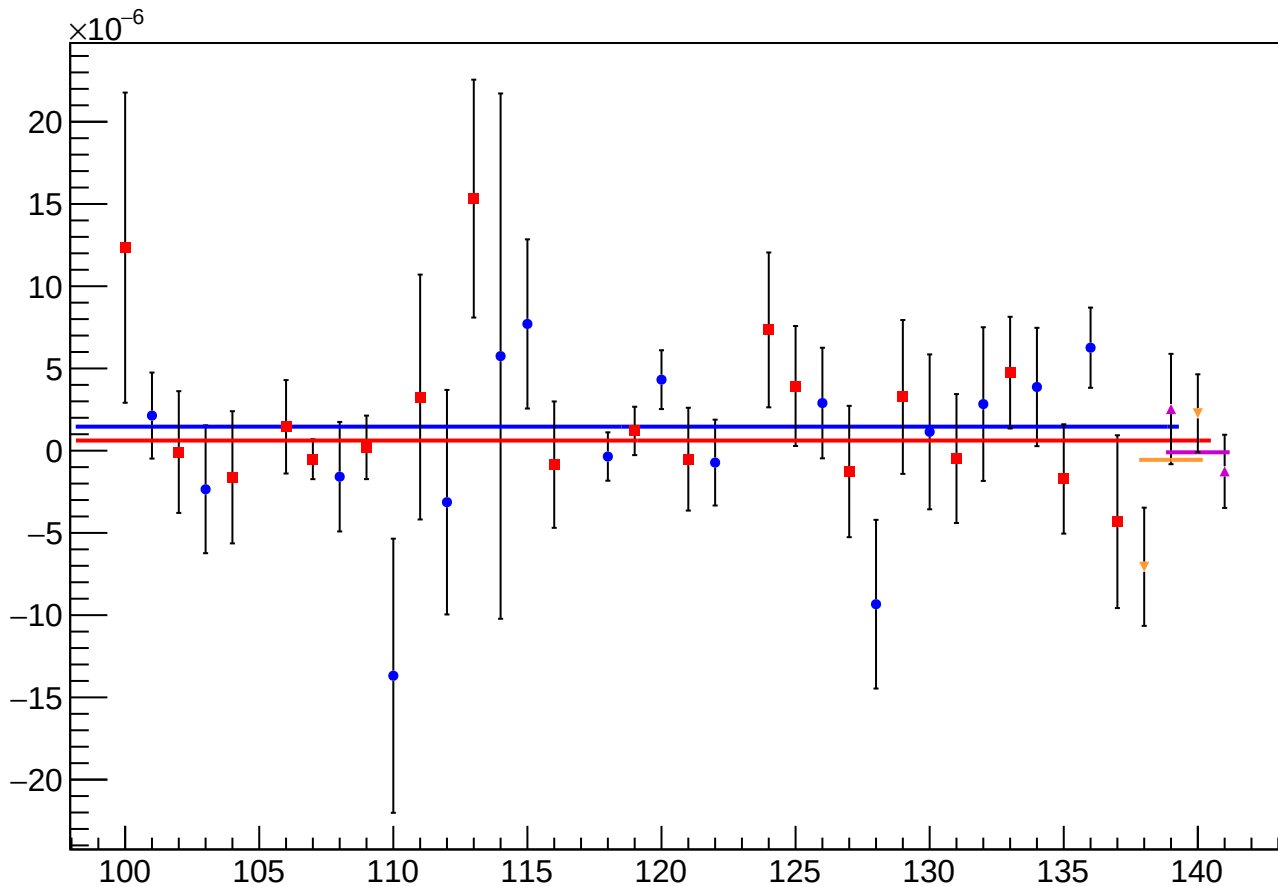
Left In: 29.319 $\pm$ 0.017 χ^2 /NDF: 161263.9/1

+ sign 35.762 $\pm$ 0.009 χ^2 /NDF: 615889.8/17

All: 34.200 $\pm$ 0.006 χ^2 /NDF: 1535602.5/38

- sign 32.921 $\pm$ 0.008 χ^2 /NDF: 865017.4/20

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

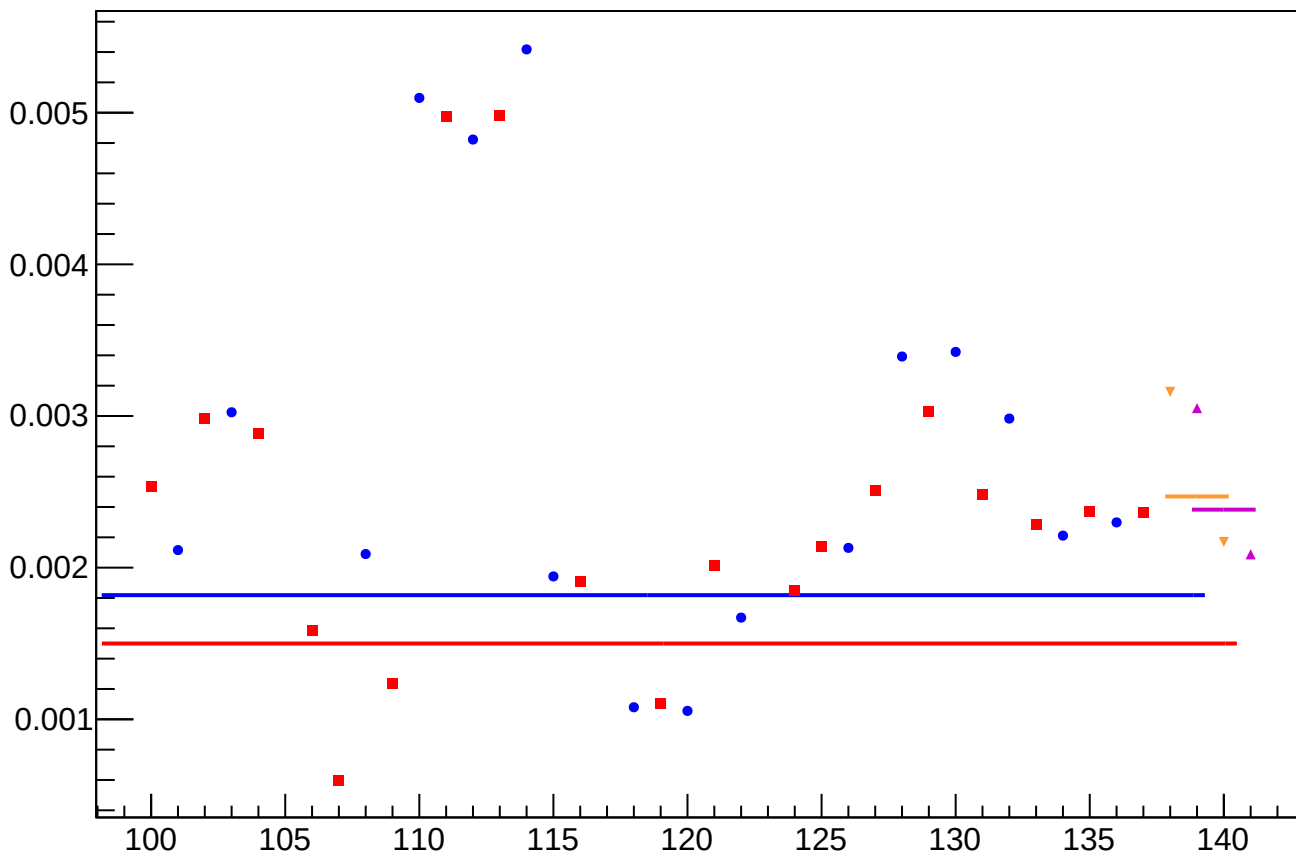
Left In: -0.000+/-0.000 χ^2/NDF : 0.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 26.6/17

All: 0.000+/-0.000 χ^2/NDF : 42.0/38

- sign 0.000+/-0.000 χ^2/NDF : 15.0/20

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

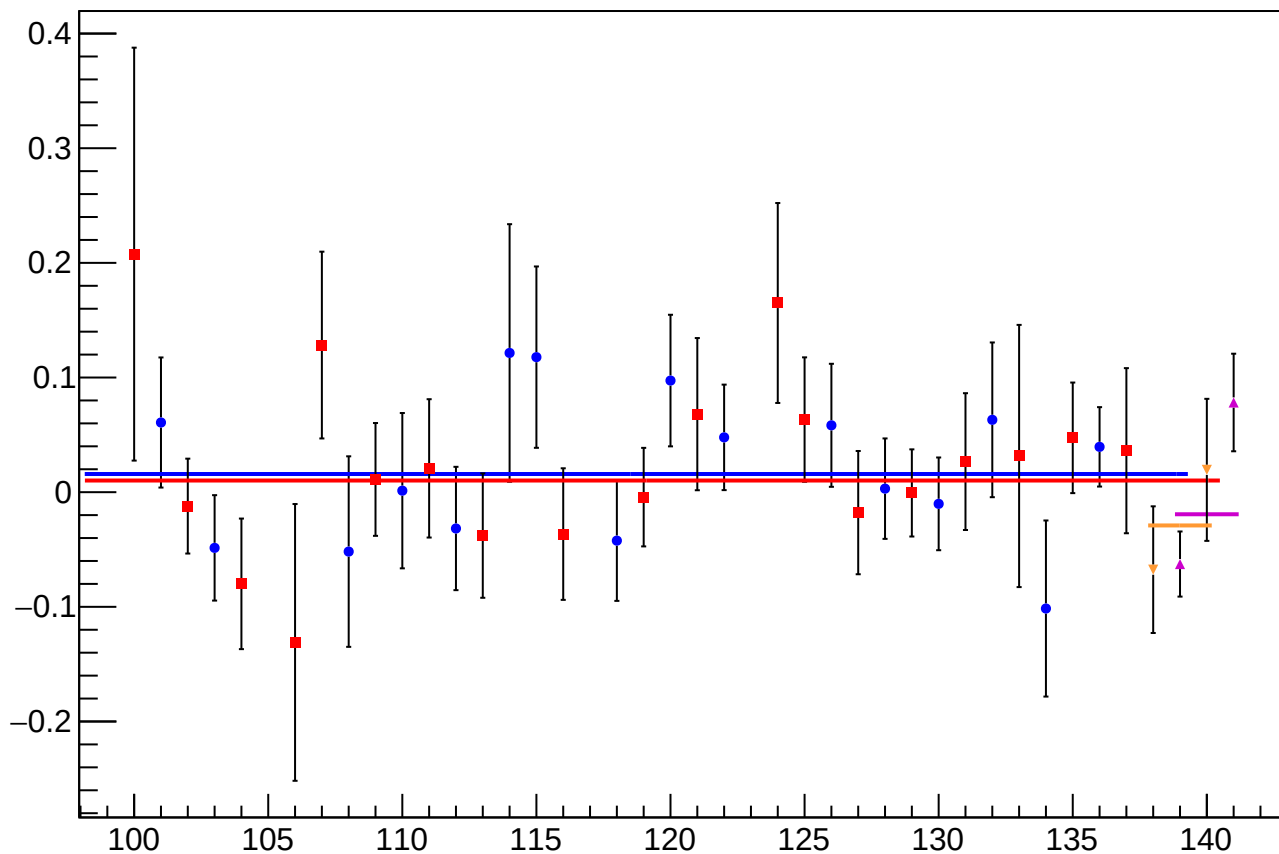
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:114688.8/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2864827.9/17

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7288223.6/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4208219.4/20

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

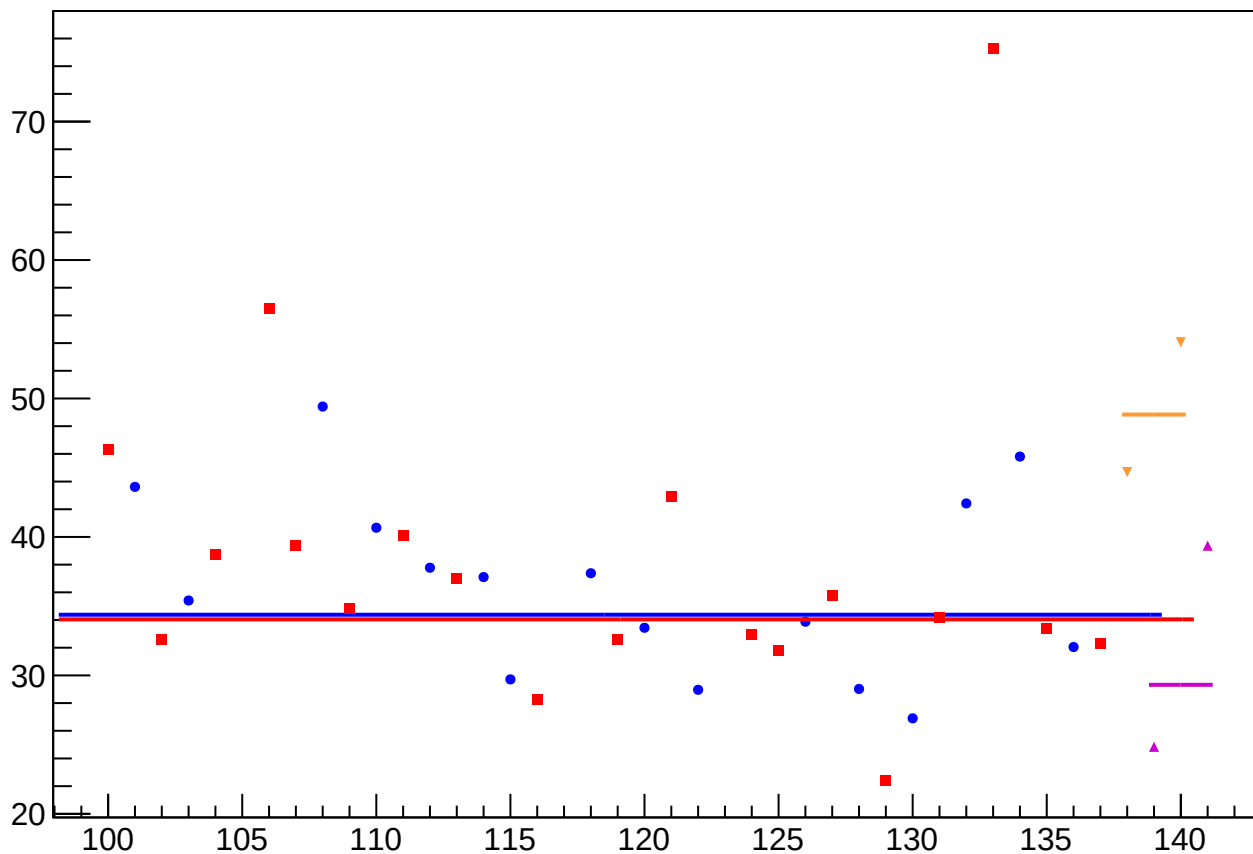
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.007 $\pm$ 0.009 χ^2 /NDF: 41.1/38

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

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

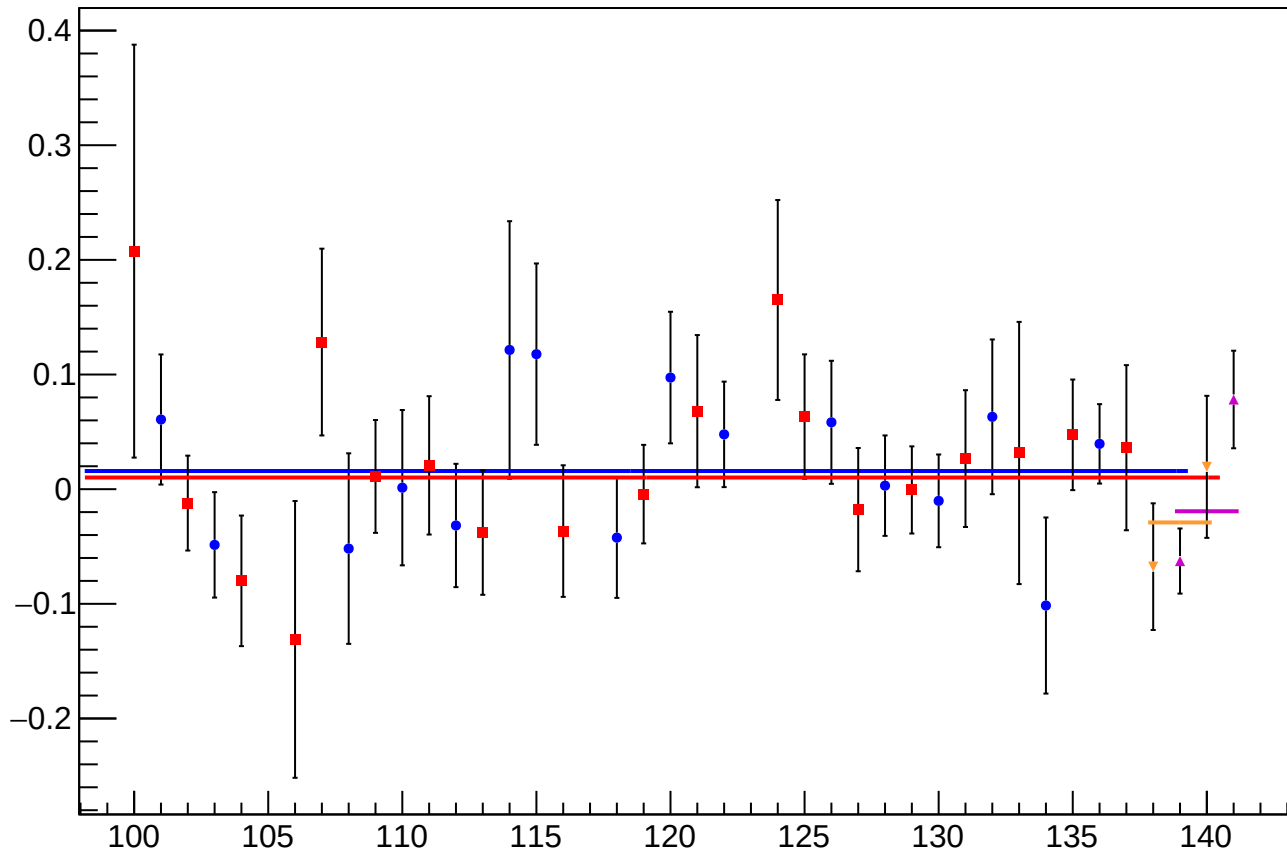
Left In: 29.319 $\pm$ 0.017 χ^2 /NDF: 161266.8/1

+ sign 35.762 $\pm$ 0.009 χ^2 /NDF: 615975.3/17

All: 34.200 $\pm$ 0.006 χ^2 /NDF: 1535700.0/38

- sign 32.921 $\pm$ 0.008 χ^2 /NDF: 865044.6/20

asym_sam_12345678_avg_eigen_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

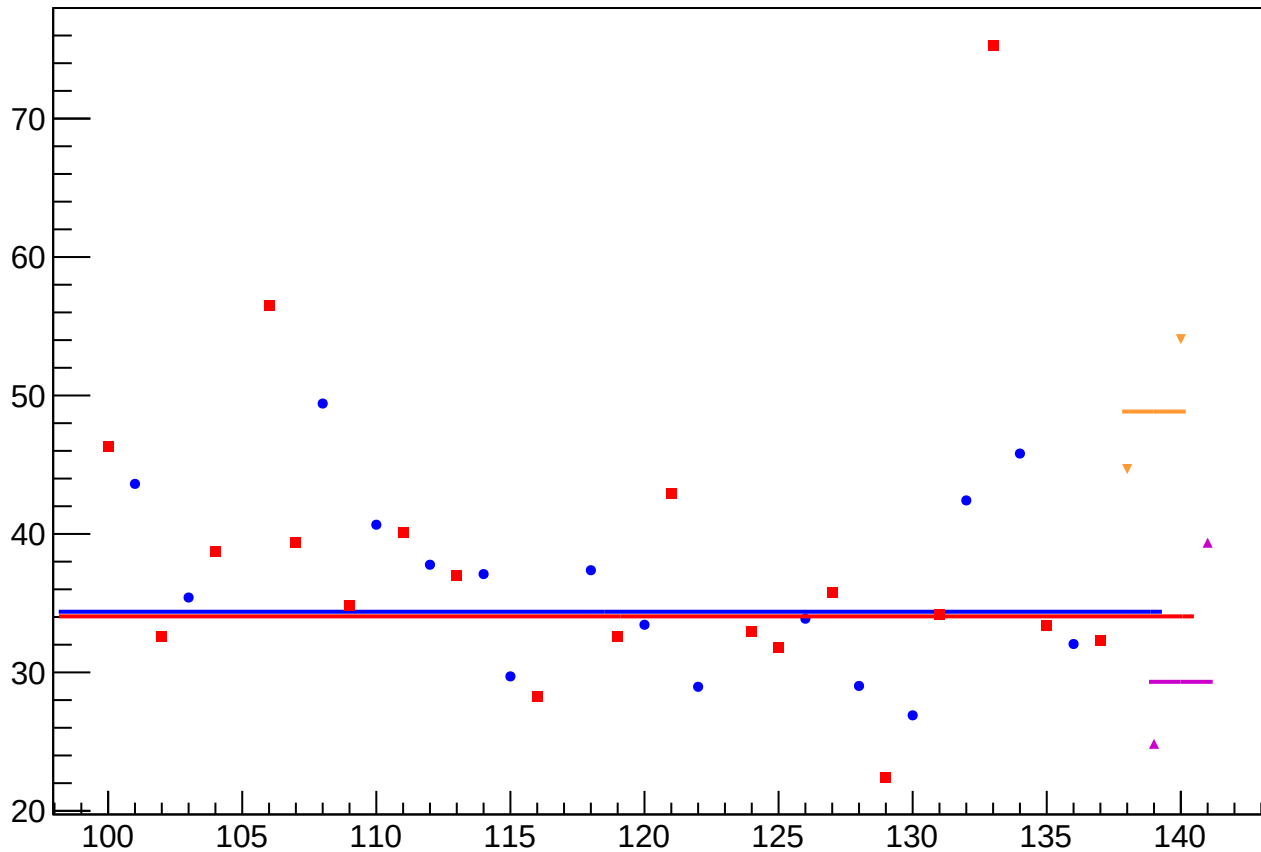
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.012 $\pm$ 0.013 χ^2 /NDF: 16.9/17

All: 0.007 $\pm$ 0.009 χ^2 /NDF: 41.1/38

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

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

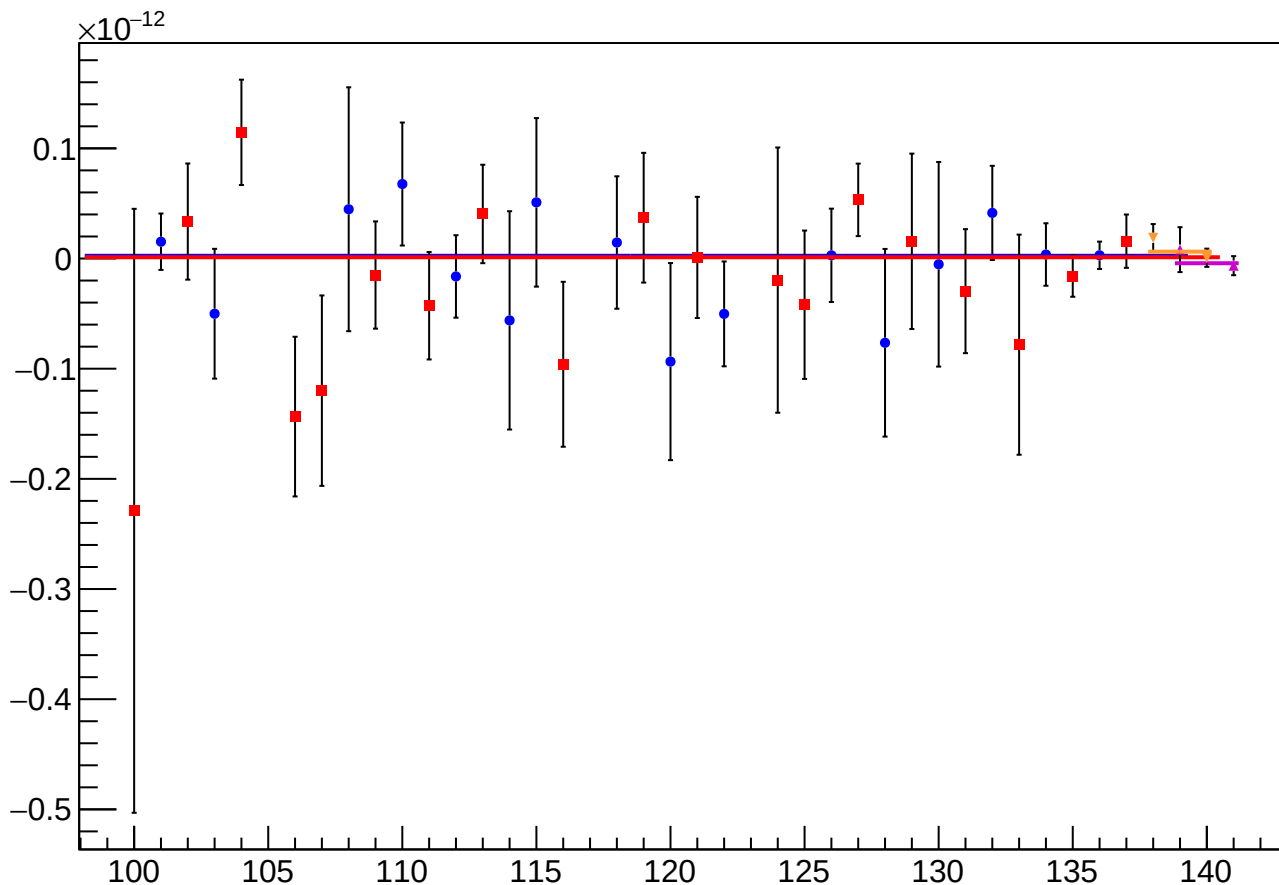
Left In: 29.319+/-0.017 χ^2/NDF : 161266.8/1

+ sign 35.762+/-0.009 χ^2/NDF : 615975.3/17

All: 34.200+/-0.006 χ^2/NDF : 1535700.0/38

- sign 32.921+/-0.008 χ^2/NDF : 865044.6/20

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.5/1

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/18

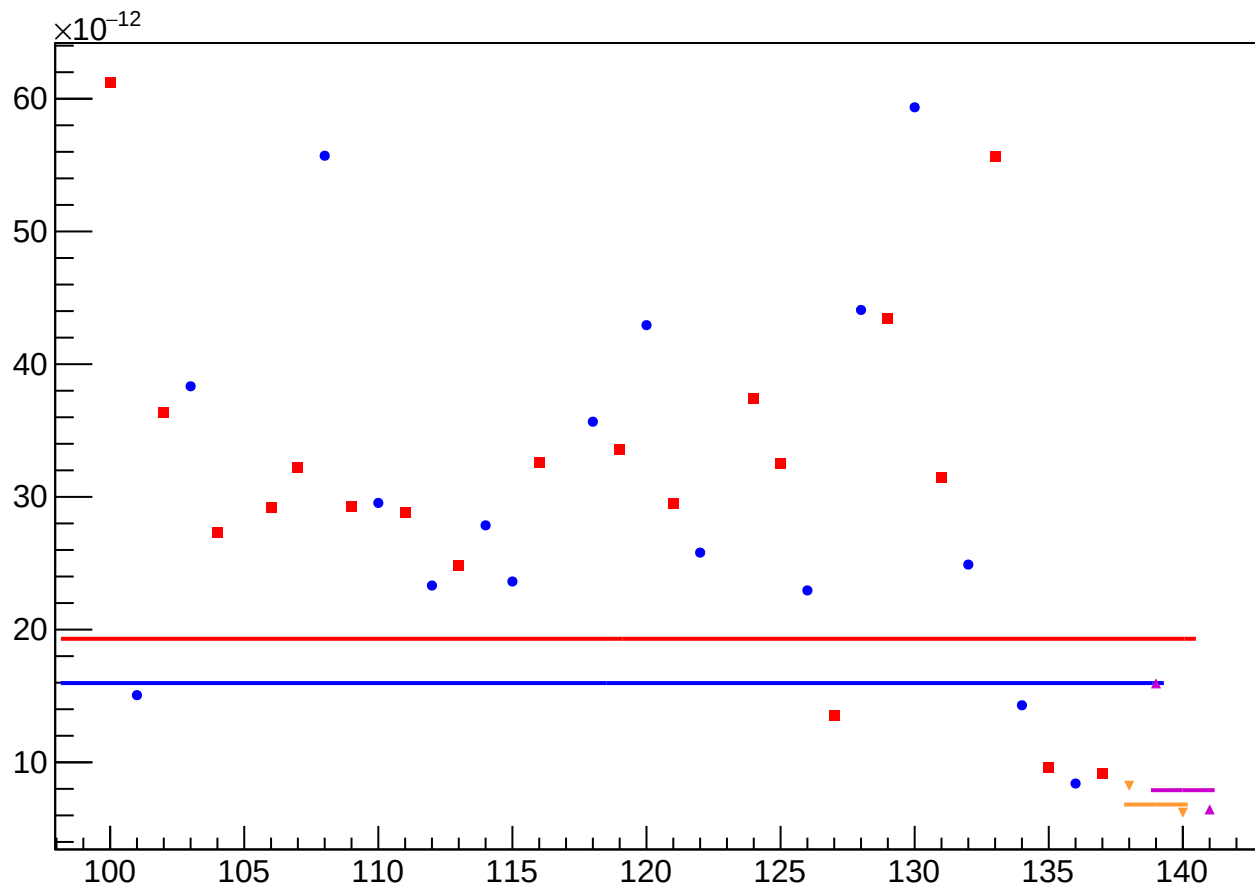
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9.3/17

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/20

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

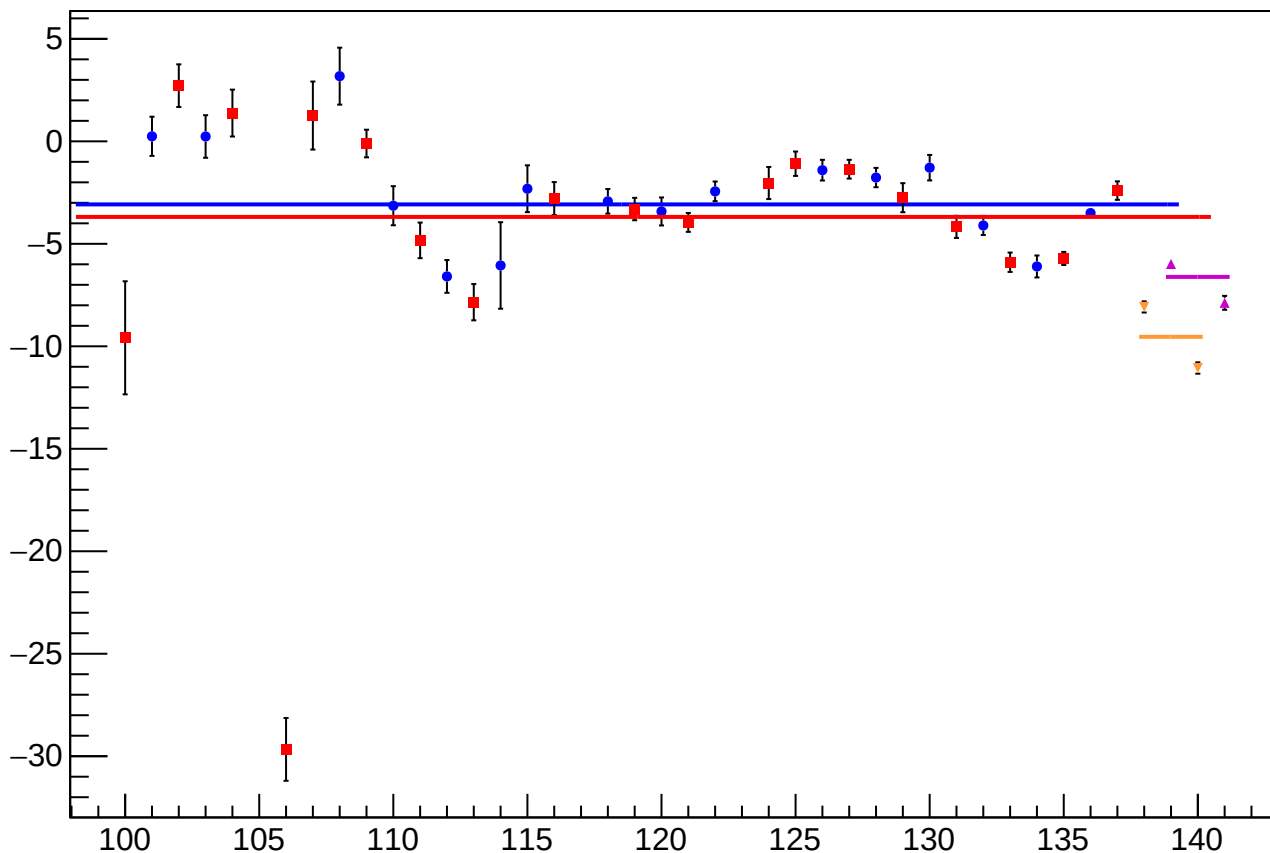
Left In: 0.000+/-0.000 χ^2/NDF : 368453.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 4213268.8/17

All: 0.000+/-0.000 χ^2/NDF : 8678911.0/38

- sign 0.000+/-0.000 χ^2/NDF : 4363612.8/20

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077 ± 0.135 $\chi^2/\text{NDF}: 133.8/15$

Left Out: -9.537 ± 0.194 $\chi^2/\text{NDF}: 58.9/1$

Right Out: -3.687 ± 0.140 $\chi^2/\text{NDF}: 534.8/18$

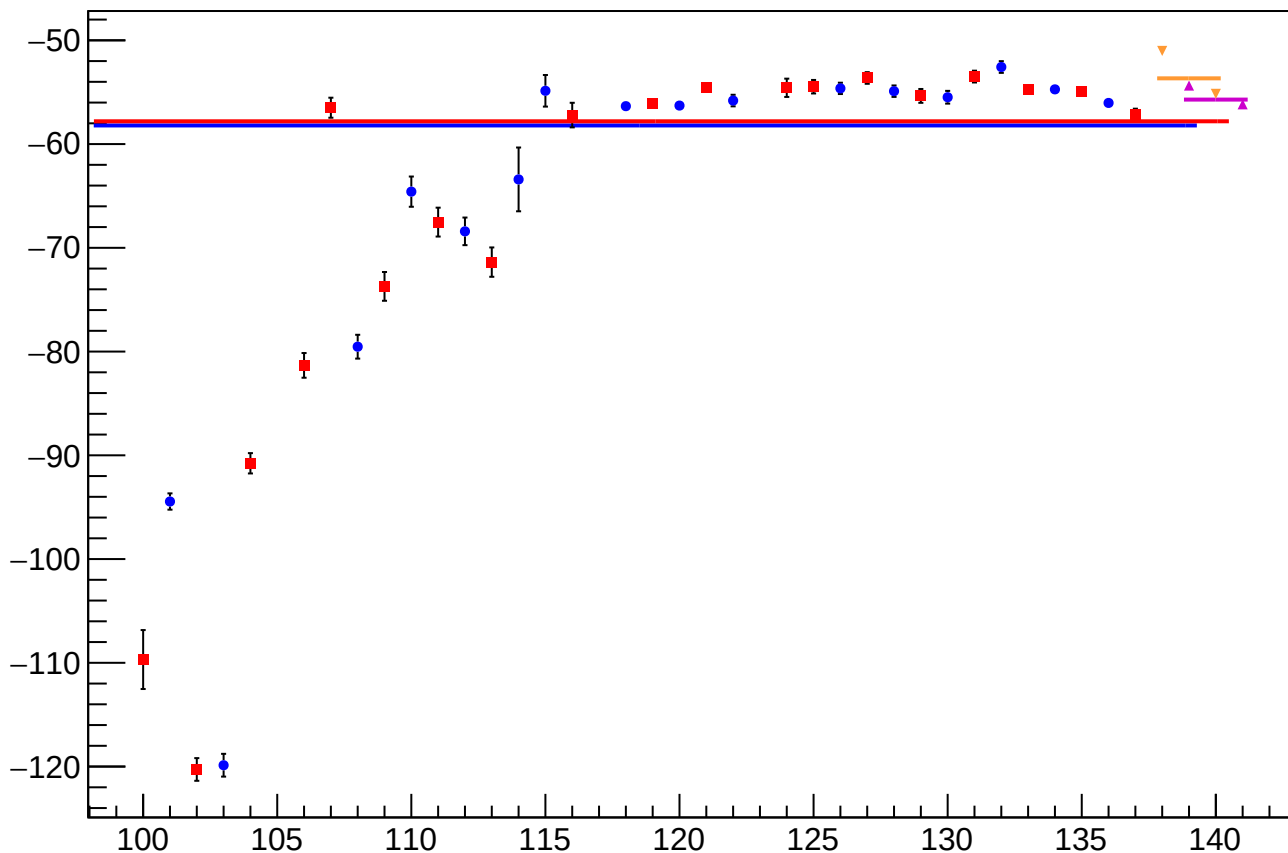
Left In: -6.614 ± 0.196 $\chi^2/\text{NDF}: 20.8/1$

+ sign -5.187 ± 0.111 $\chi^2/\text{NDF}: 938.1/17$

All: -4.939 ± 0.080 $\chi^2/\text{NDF}: 1651.4/38$

- sign -4.677 ± 0.114 $\chi^2/\text{NDF}: 703.1/20$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204 ± 0.136 χ^2/NDF : 6126.9/15

Left Out: -53.664 ± 0.188 χ^2/NDF : 111.5/1

Right Out: -57.804 ± 0.138 χ^2/NDF : 5792.7/18

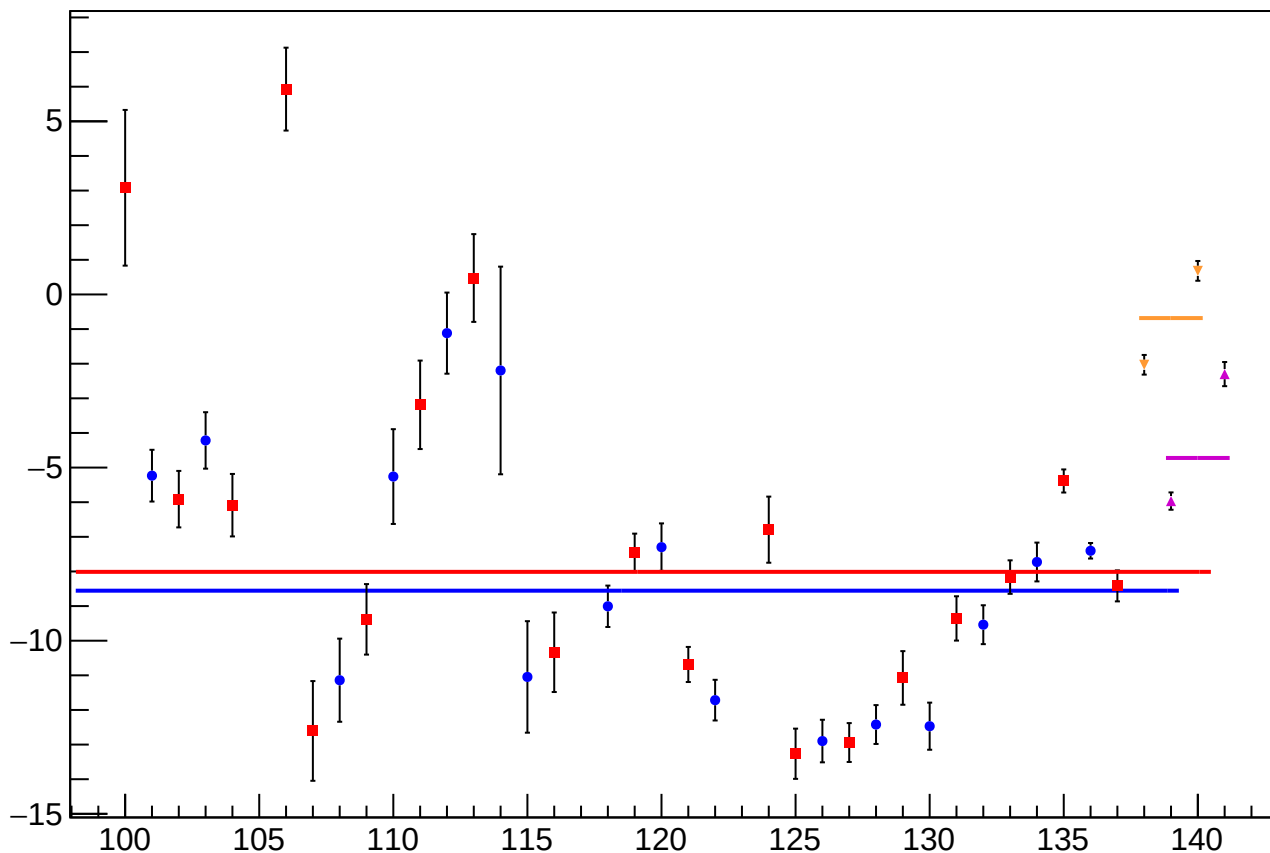
Left In: -55.712 ± 0.217 χ^2/NDF : 13.1/1

+ sign -56.653 ± 0.110 χ^2/NDF : 6621.9/17

All: -56.910 ± 0.080 χ^2/NDF : 12505.1/38

- sign -57.200 ± 0.117 χ^2/NDF : 5871.6/20

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555 ± 0.145 χ^2/NDF : 300.7/15

Left Out: -0.682 ± 0.201 χ^2/NDF : 45.4/1

Right Out: -8.011 ± 0.153 χ^2/NDF : 489.3/18

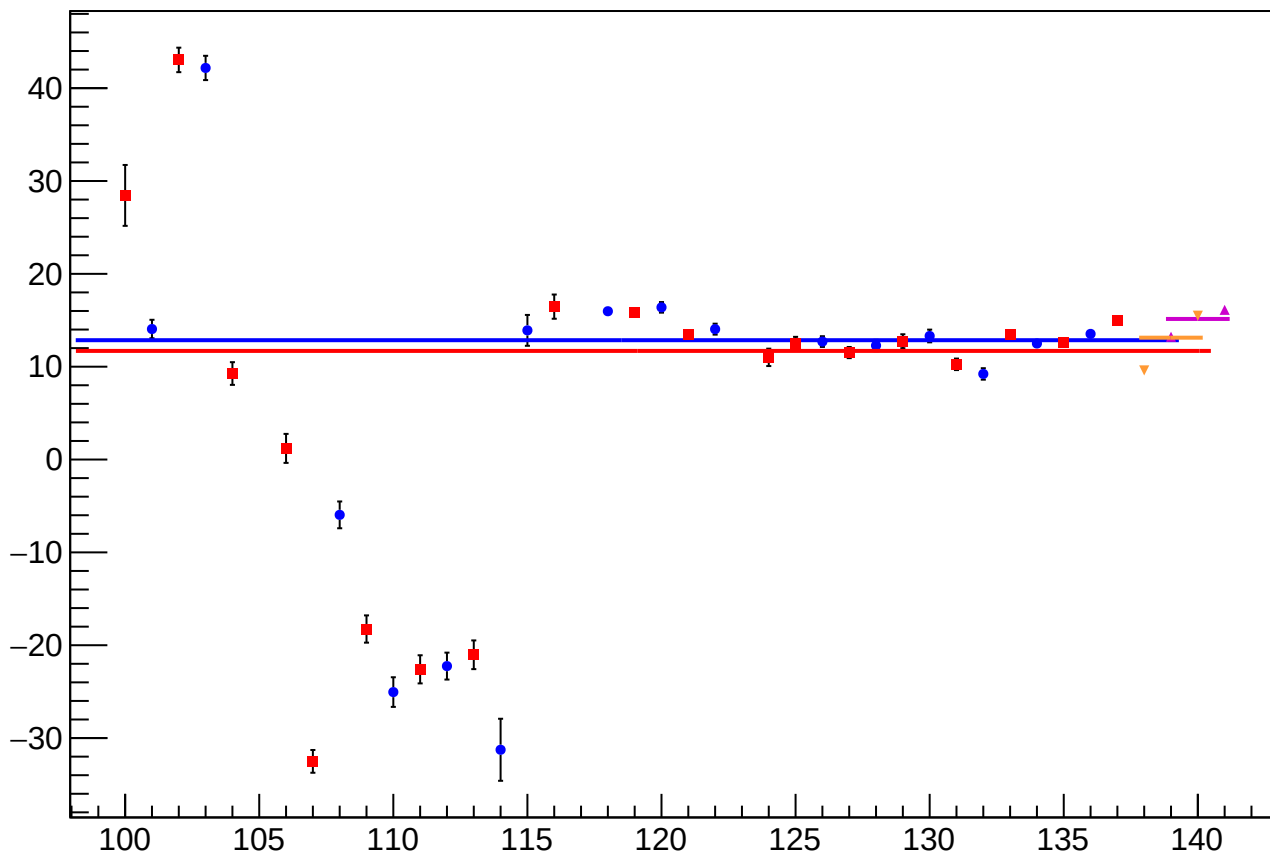
Left In: -4.722 ± 0.203 χ^2/NDF : 73.0/1

+ sign -5.873 ± 0.118 χ^2/NDF : 1354.1/17

All: -6.329 ± 0.085 χ^2/NDF : 2115.0/38

- sign -6.822 ± 0.122 χ^2/NDF : 729.6/20

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF : 2128.4/15

Left Out: 13.125+/-0.217 χ^2/NDF :176.7/1

Right Out: 11.699+/-0.155 χ^2/NDF : 3498.8/18

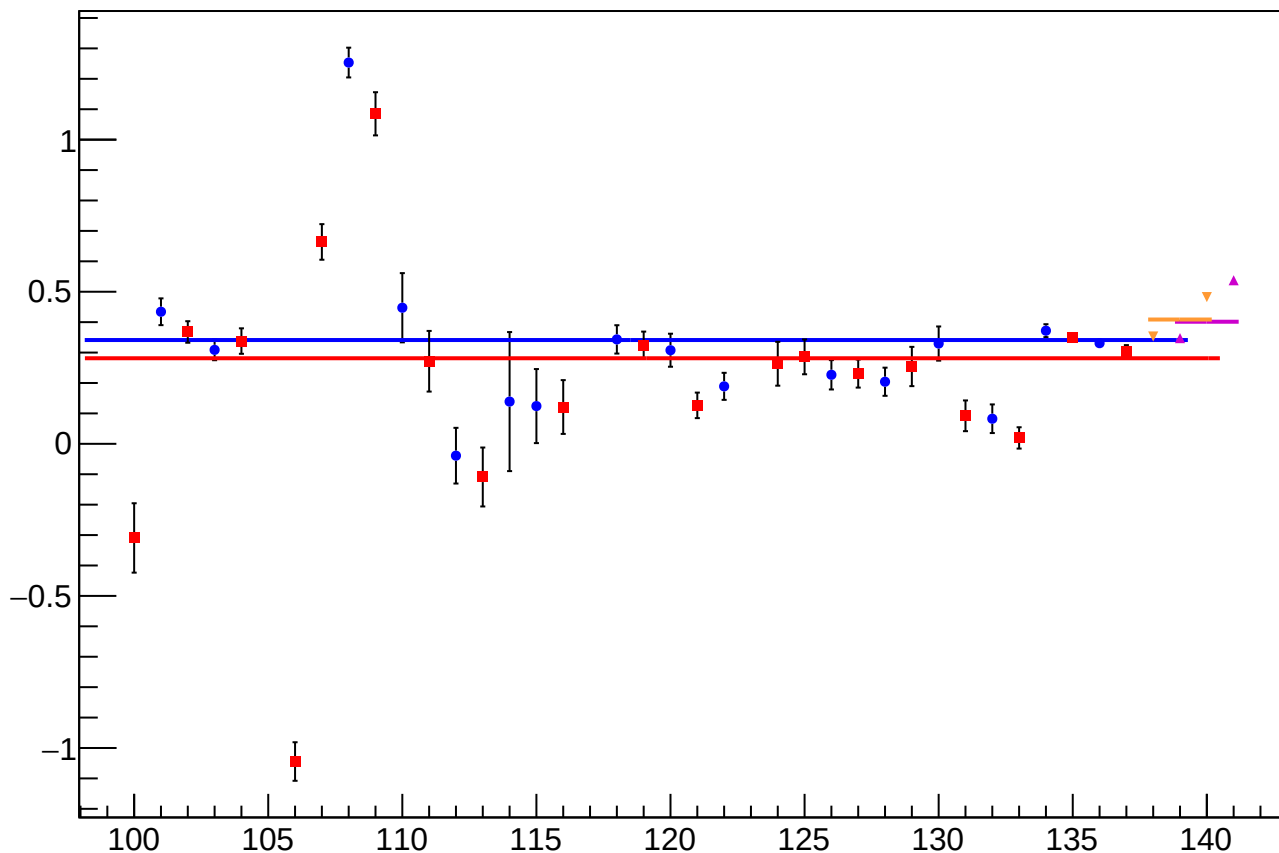
Left In: 15.142+/-0.242 χ^2/NDF :32.2/1

+ sign 12.941+/-0.124 χ^2/NDF : 2306.2/17

All: 12.828+/-0.090 χ^2/NDF : 5982.6/38

- sign 12.702+/-0.131 χ^2/NDF : 3674.7/20

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341 ± 0.008 χ^2/NDF : 434.8/15

Left Out: 0.409 ± 0.008 χ^2/NDF : 60.0/1

Right Out: 0.281 ± 0.008 χ^2/NDF : 777.6/18

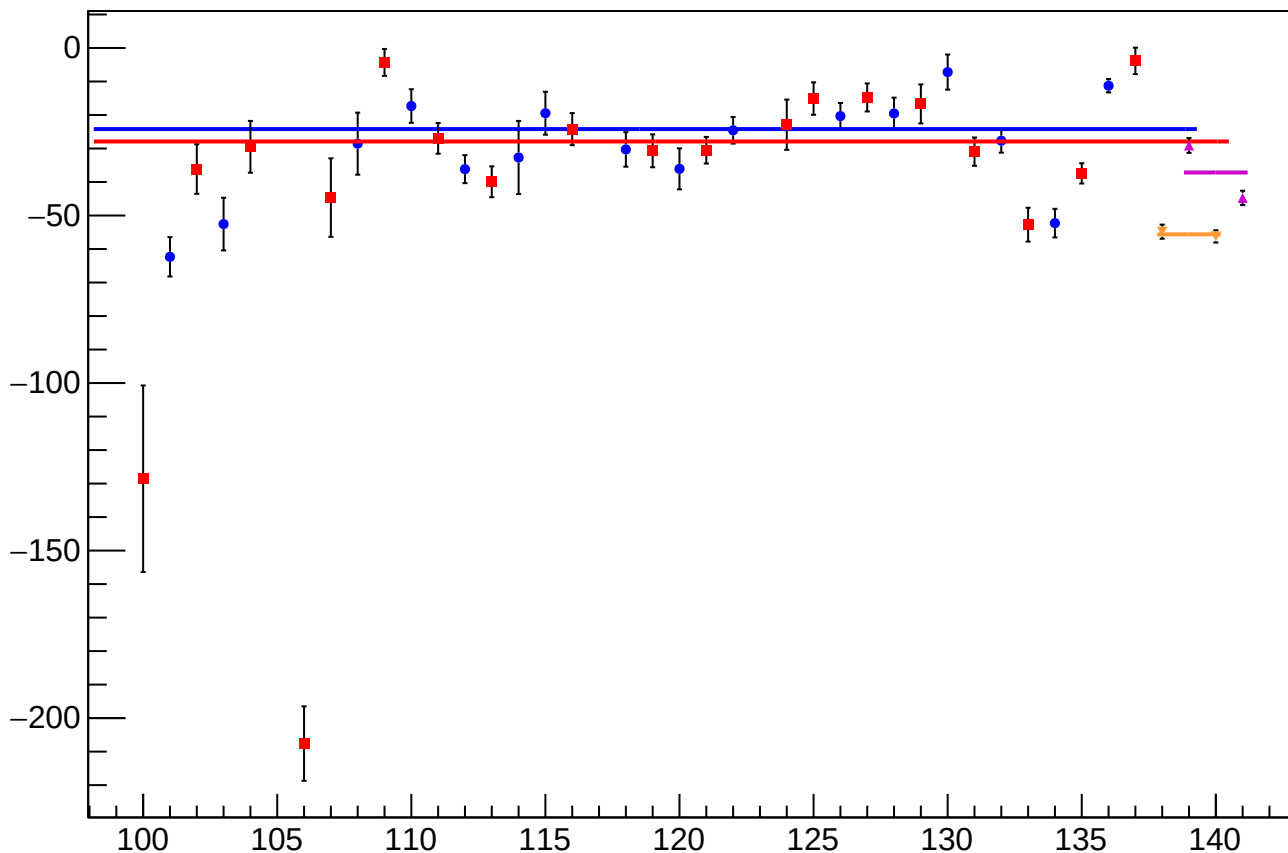
Left In: 0.401 ± 0.008 χ^2/NDF : 128.8/1

+ sign 0.373 ± 0.006 χ^2/NDF : 529.6/17

All: 0.361 ± 0.004 χ^2/NDF : 1557.6/38

- sign 0.348 ± 0.006 χ^2/NDF : 1018.2/20

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205 ± 1.086 χ^2/NDF : 170.7/15

Left Out: -55.618 ± 1.383 χ^2/NDF : 0.3/1

Right Out: -27.906 ± 1.137 χ^2/NDF : 413.4/18

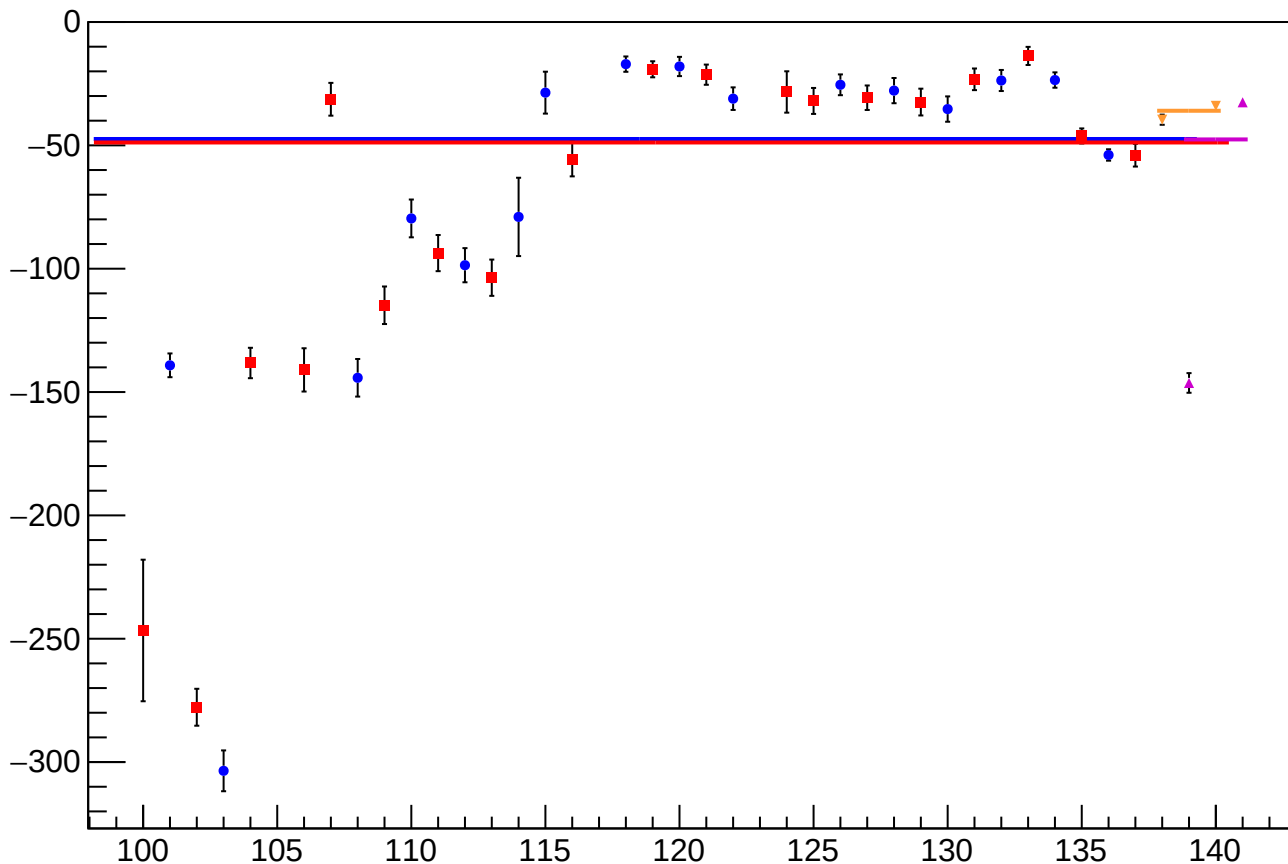
Left In: -37.165 ± 1.533 χ^2/NDF : 26.0/1

+ sign -36.190 ± 0.854 χ^2/NDF : 490.0/17

All: -33.858 ± 0.624 χ^2/NDF : 968.9/38

- sign -31.192 ± 0.913 χ^2/NDF : 462.9/20

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421 ± 1.101 χ^2/NDF : 1873.5/15

Left Out: -35.976 ± 1.222 χ^2/NDF : 4.8/1

Right Out: -48.831 ± 1.182 χ^2/NDF : 1774.6/18

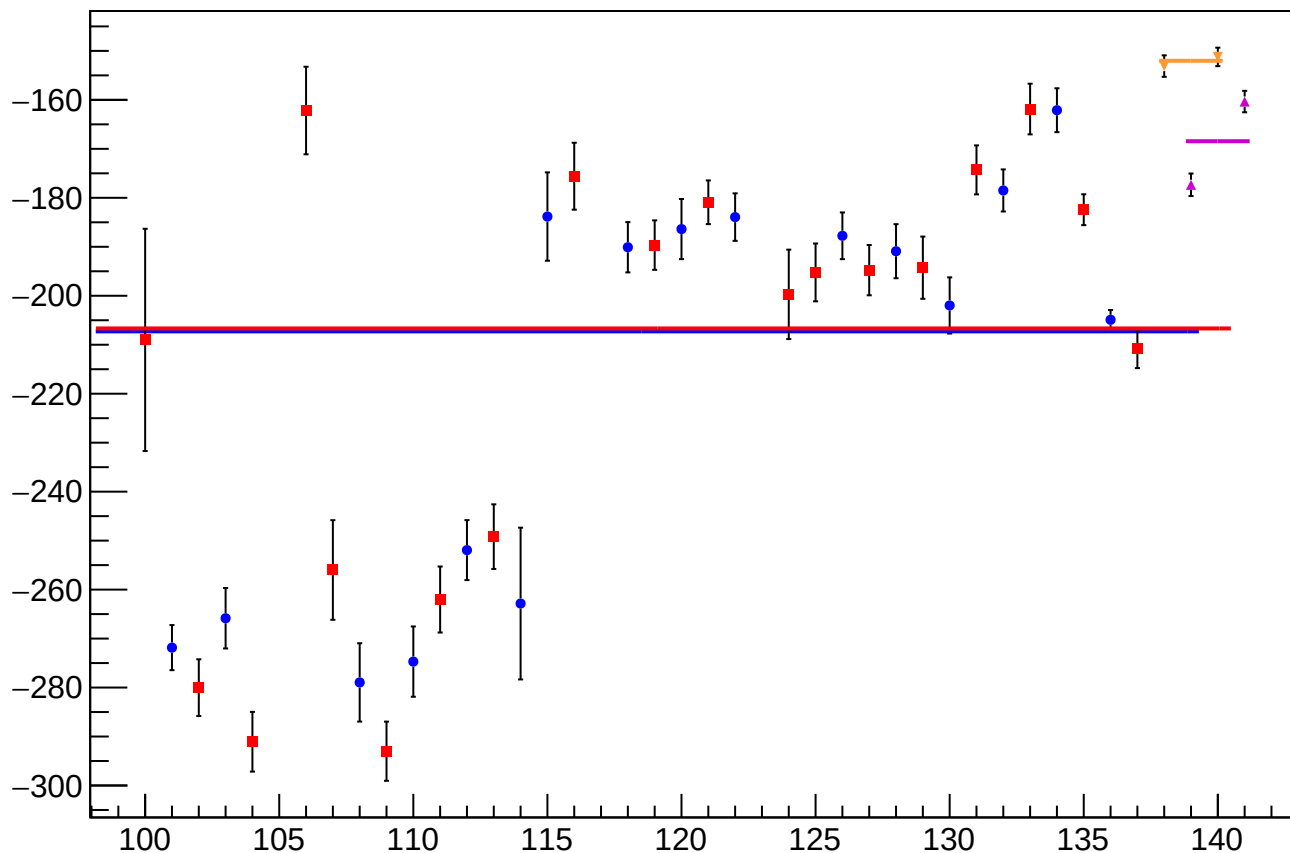
Left In: -47.596 ± 1.450 χ^2/NDF : 707.1/1

+ sign -42.295 ± 0.818 χ^2/NDF : 1926.7/17

All: -44.975 ± 0.610 χ^2/NDF : 4433.0/38

- sign -48.338 ± 0.916 χ^2/NDF : 2482.1/20

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266 ± 1.178 χ^2/NDF : 748.5/15

Left Out: -152.023 ± 1.431 χ^2/NDF : 0.4/1

Right Out: -206.673 ± 1.279 χ^2/NDF : 969.4/18

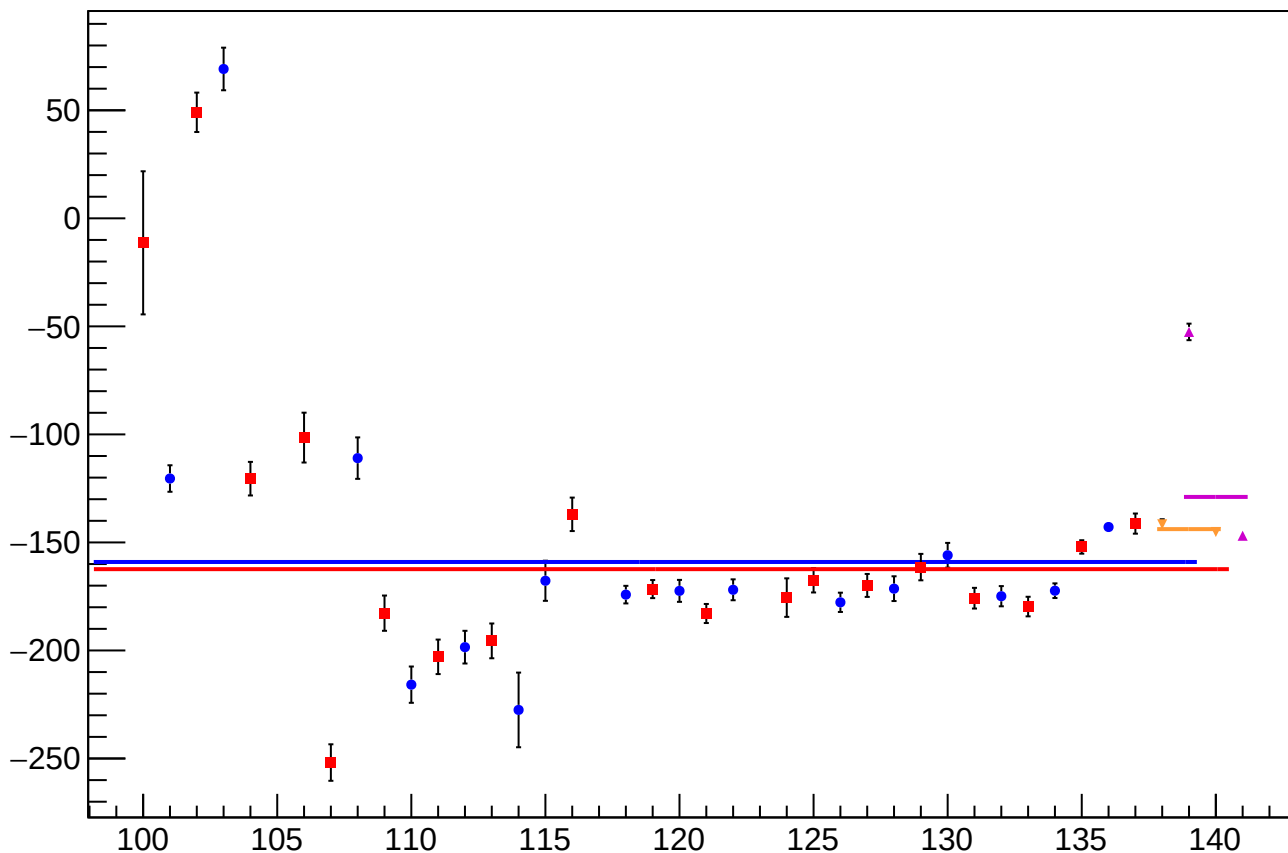
Left In: -168.441 ± 1.584 χ^2/NDF : 28.7/1

+ sign -184.946 ± 0.910 χ^2/NDF : 1636.9/17

All: -187.965 ± 0.671 χ^2/NDF : 3011.8/38

- sign -191.580 ± 0.995 χ^2/NDF : 1350.6/20

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048 ± 1.225 χ^2/NDF : 815.8/15

Left Out: -143.839 ± 1.446 χ^2/NDF : 1.4/1

Right Out: -162.370 ± 1.324 χ^2/NDF : 872.6/18

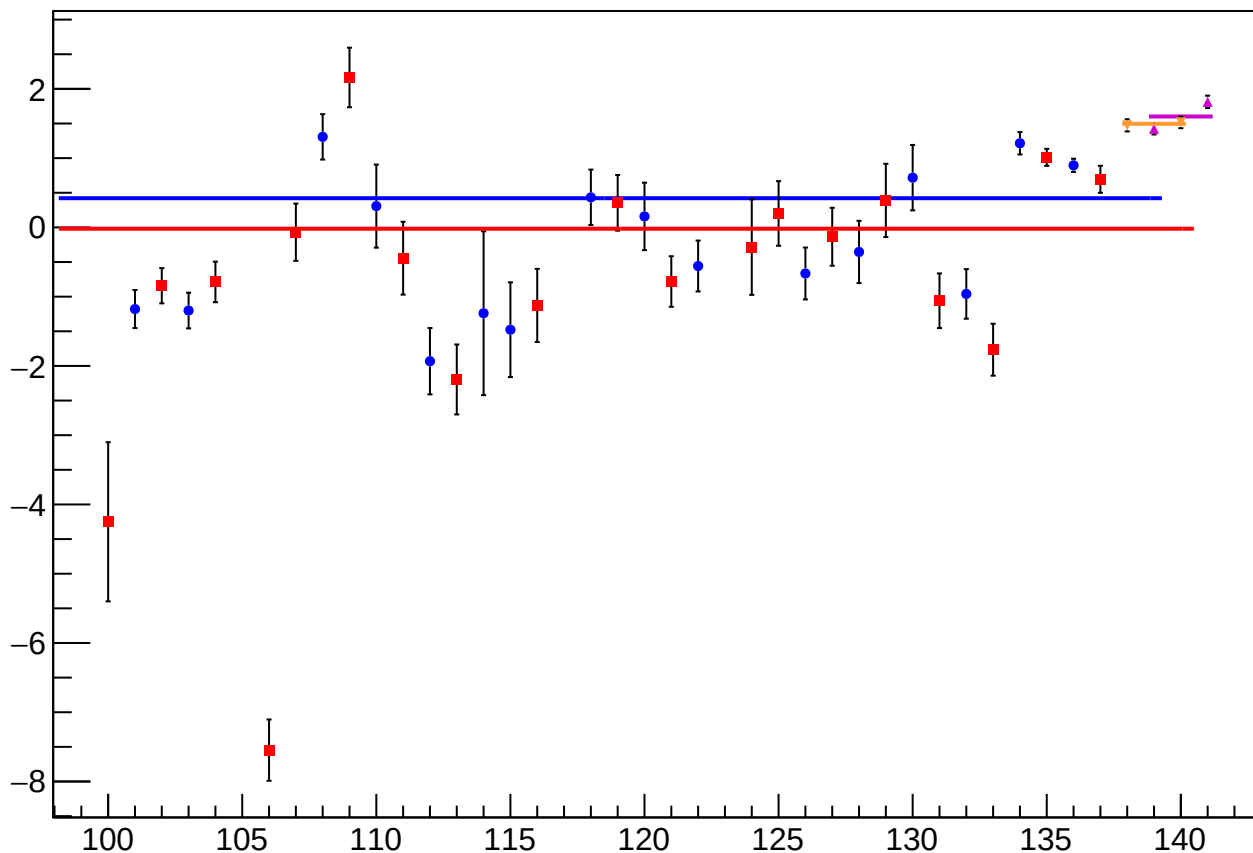
Left In: -128.940 ± 1.668 χ^2/NDF : 492.9/1

+ sign -152.691 ± 0.935 χ^2/NDF : 881.6/17

All: -151.237 ± 0.694 χ^2/NDF : 2498.8/38

- sign -149.448 ± 1.037 χ^2/NDF : 1611.9/20

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421 ± 0.065 χ^2/NDF : 197.6/15

Left Out: 1.496 ± 0.061 χ^2/NDF : 0.1/1

Right Out: -0.019 ± 0.072 χ^2/NDF : 488.2/18

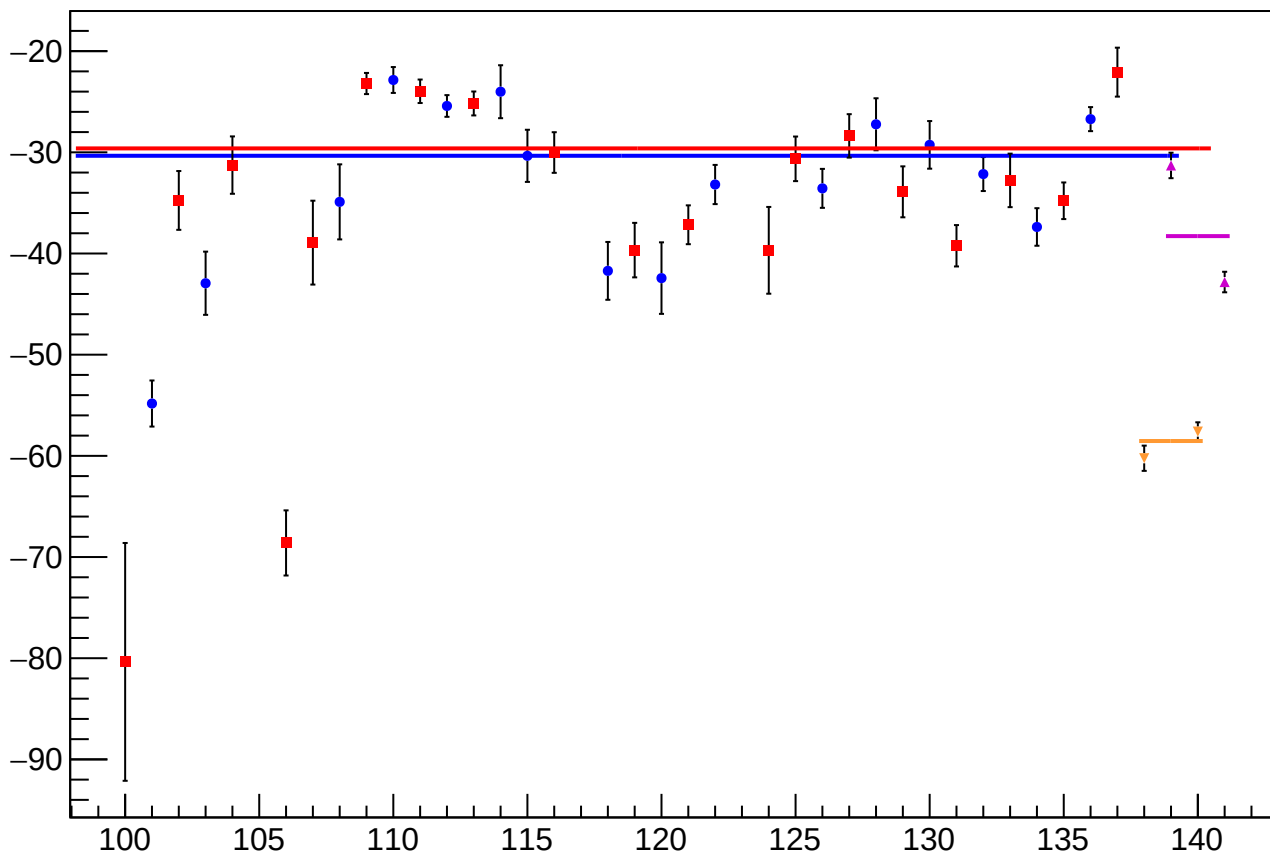
Left In: 1.601 ± 0.061 χ^2/NDF : 10.3/1

+ sign 0.993 ± 0.044 χ^2/NDF : 344.0/17

All: 0.965 ± 0.032 χ^2/NDF : 1138.5/38

- sign 0.934 ± 0.046 χ^2/NDF : 793.7/20

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341 ± 0.468 χ^2/NDF : 253.6/15

Left Out: -58.533 ± 0.741 χ^2/NDF : 2.9/1

Right Out: -29.613 ± 0.450 χ^2/NDF : 329.2/18

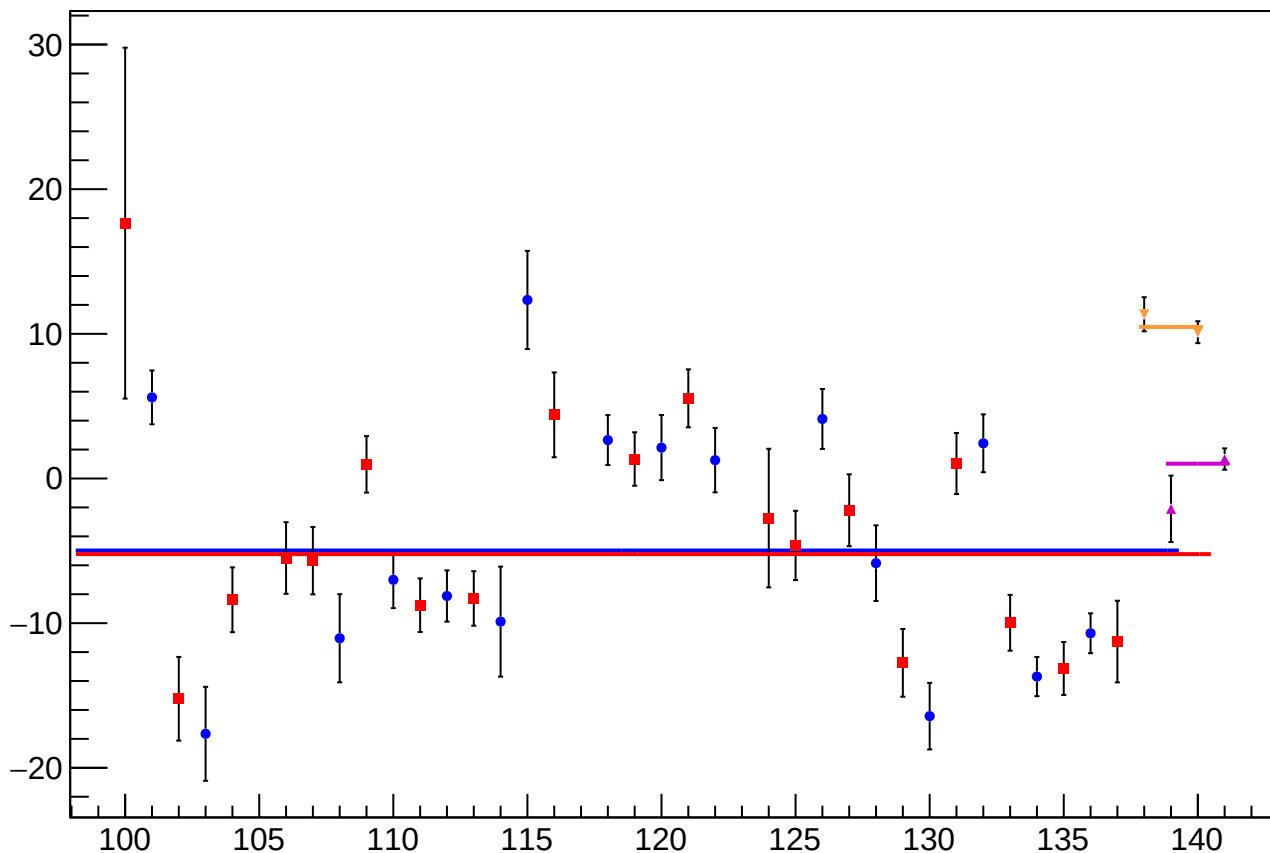
Left In: -38.281 ± 0.790 χ^2/NDF : 50.8/1

+ sign -38.376 ± 0.396 χ^2/NDF : 1291.4/17

All: -35.022 ± 0.278 χ^2/NDF : 1904.5/38

- sign -31.739 ± 0.391 χ^2/NDF : 470.8/20

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980 ± 0.510 χ^2/NDF : 237.3/15

Left Out: 10.475 ± 0.637 χ^2/NDF : 0.8/1

Right Out: -5.228 ± 0.524 χ^2/NDF : 136.5/18

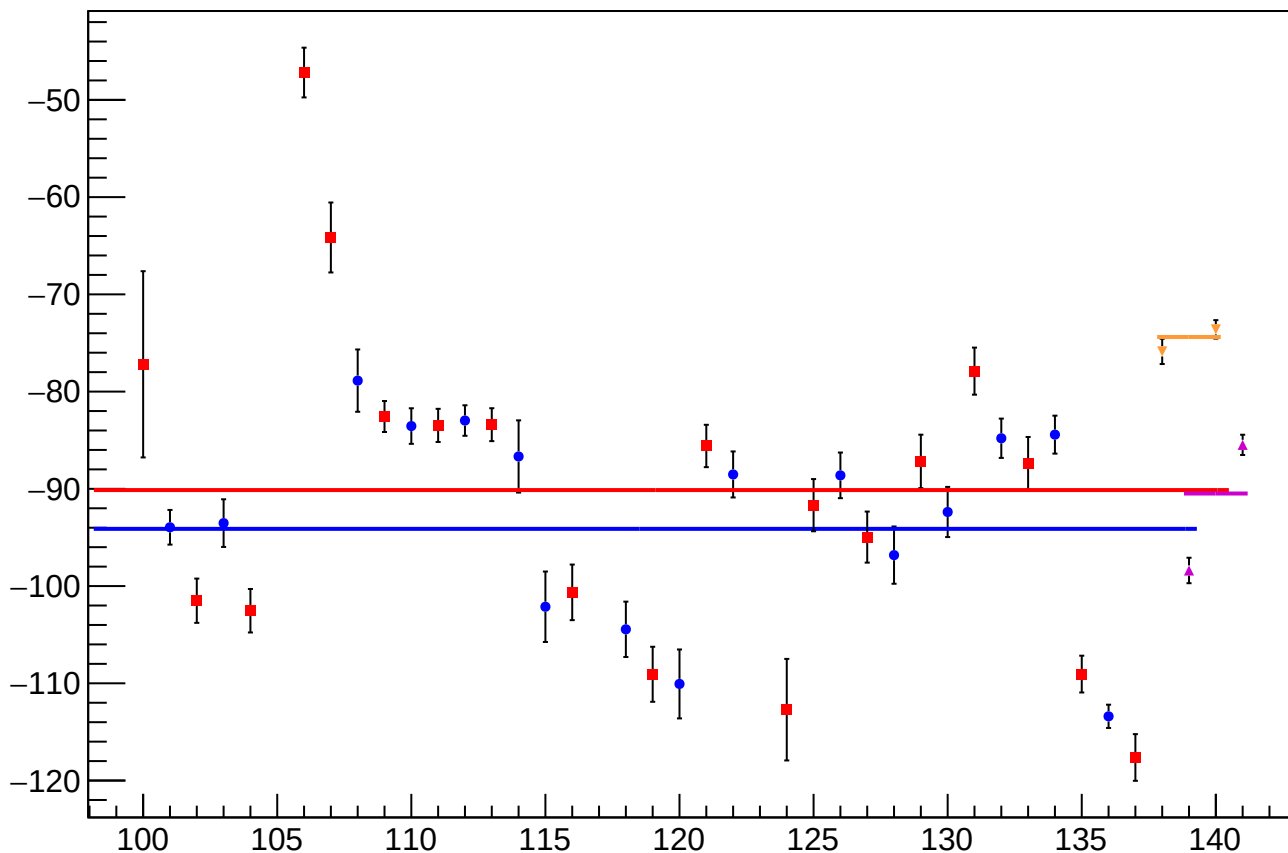
Left In: 1.024 ± 0.701 χ^2/NDF : 2.0/1

+ sign 1.054 ± 0.398 χ^2/NDF : 597.2/17

All: -0.861 ± 0.289 χ^2/NDF : 835.6/38

- sign -2.989 ± 0.420 χ^2/NDF : 189.6/20

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115 ± 0.537 χ^2/NDF : 466.8/15

Left Out: -74.383 ± 0.766 χ^2/NDF : 2.0/1

Right Out: -90.127 ± 0.543 χ^2/NDF : 789.3/18

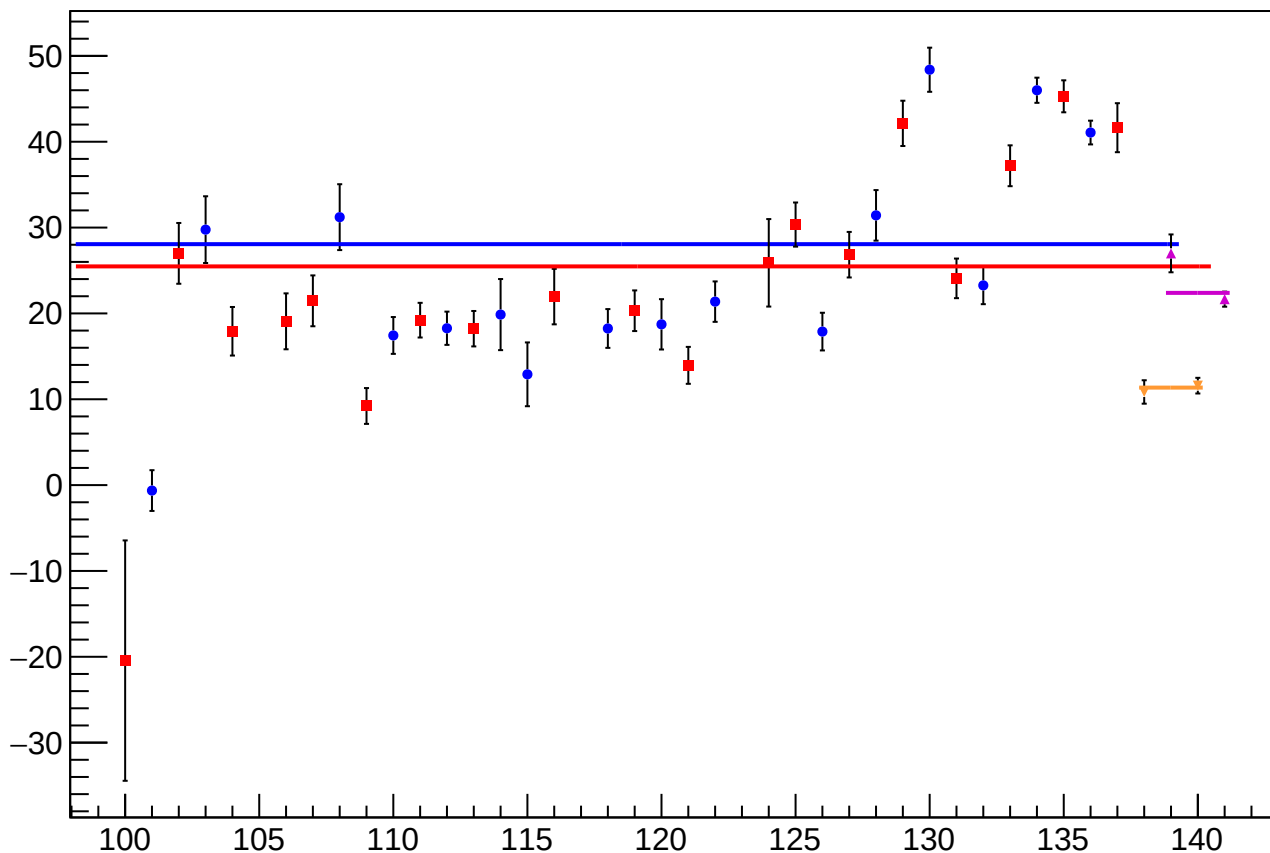
Left In: -90.481 ± 0.815 χ^2/NDF : 59.6/1

+ sign -87.609 ± 0.440 χ^2/NDF : 914.0/17

All: -88.886 ± 0.315 χ^2/NDF : 1780.5/38

- sign -90.236 ± 0.452 χ^2/NDF : 849.1/20

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

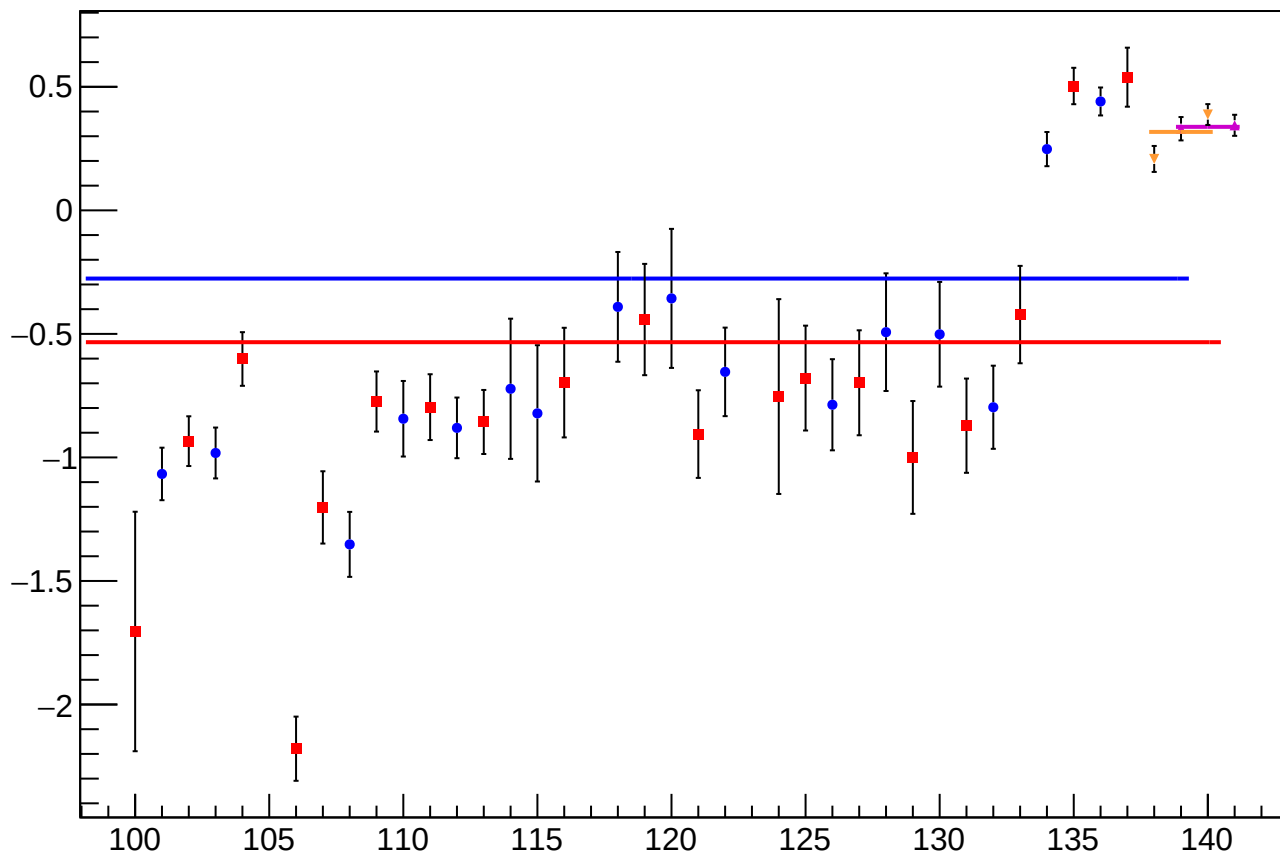
Left In: 22.392 $\pm$ 0.816 χ^2 /NDF: 5.1/1

+ sign 22.050 $\pm$ 0.455 χ^2 /NDF: 894.1/17

All: 23.174 $\pm$ 0.330 χ^2 /NDF: 1276.0/38

- sign 24.417 $\pm$ 0.478 χ^2 /NDF: 369.1/20

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276 ± 0.031 χ^2/NDF : 455.6/15

Left Out: 0.318 ± 0.033 χ^2/NDF : 7.1/1

Right Out: -0.534 ± 0.033 χ^2/NDF : 510.3/18

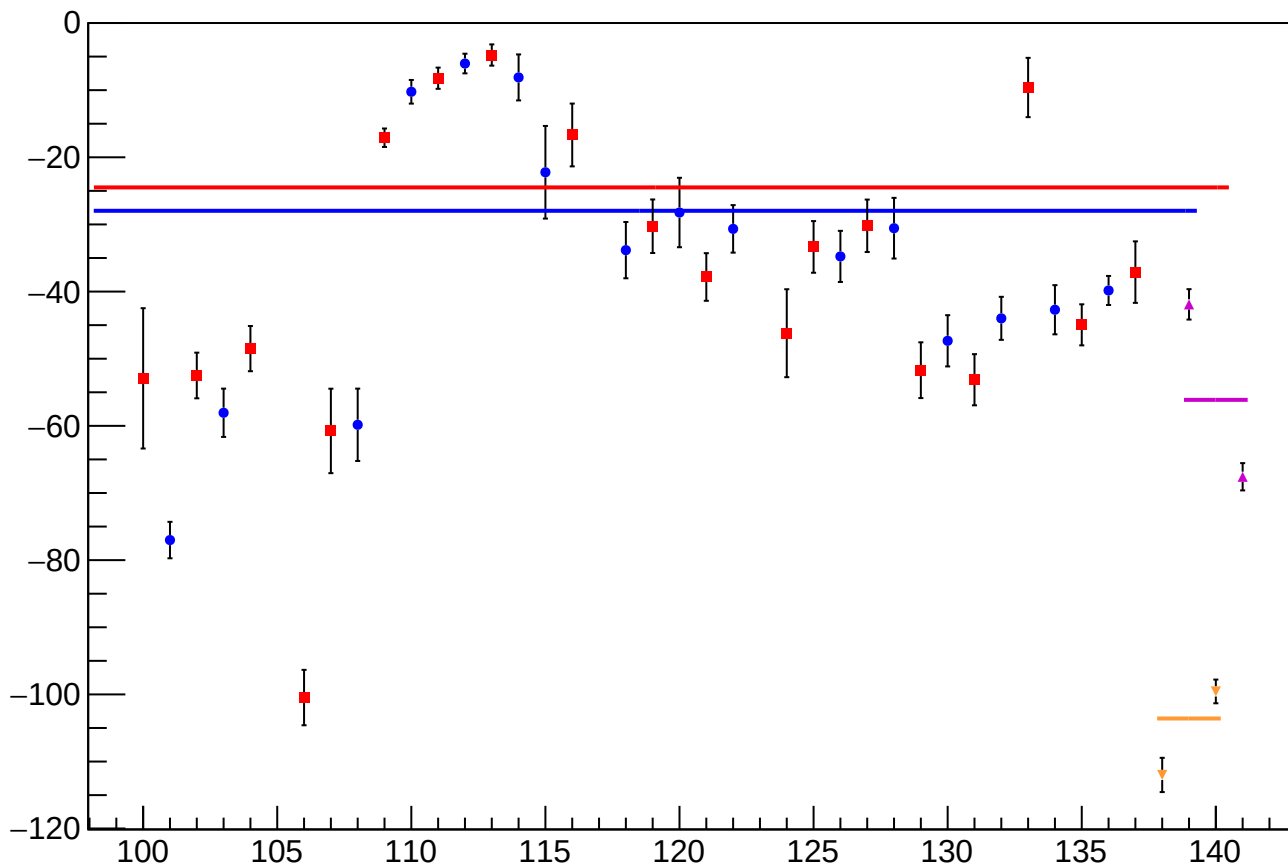
Left In: 0.338 ± 0.032 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.022 χ^2/NDF : 637.1/17

All: -0.040 ± 0.016 χ^2/NDF : 1519.2/38

- sign -0.081 ± 0.023 χ^2/NDF : 875.6/20

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967 ± 0.728 $\chi^2/\text{NDF}: 894.7/15$

Left Out: -103.587 ± 1.452 $\chi^2/\text{NDF}: 16.1/1$

Right Out: -24.485 ± 0.663 $\chi^2/\text{NDF}: 989.7/18$

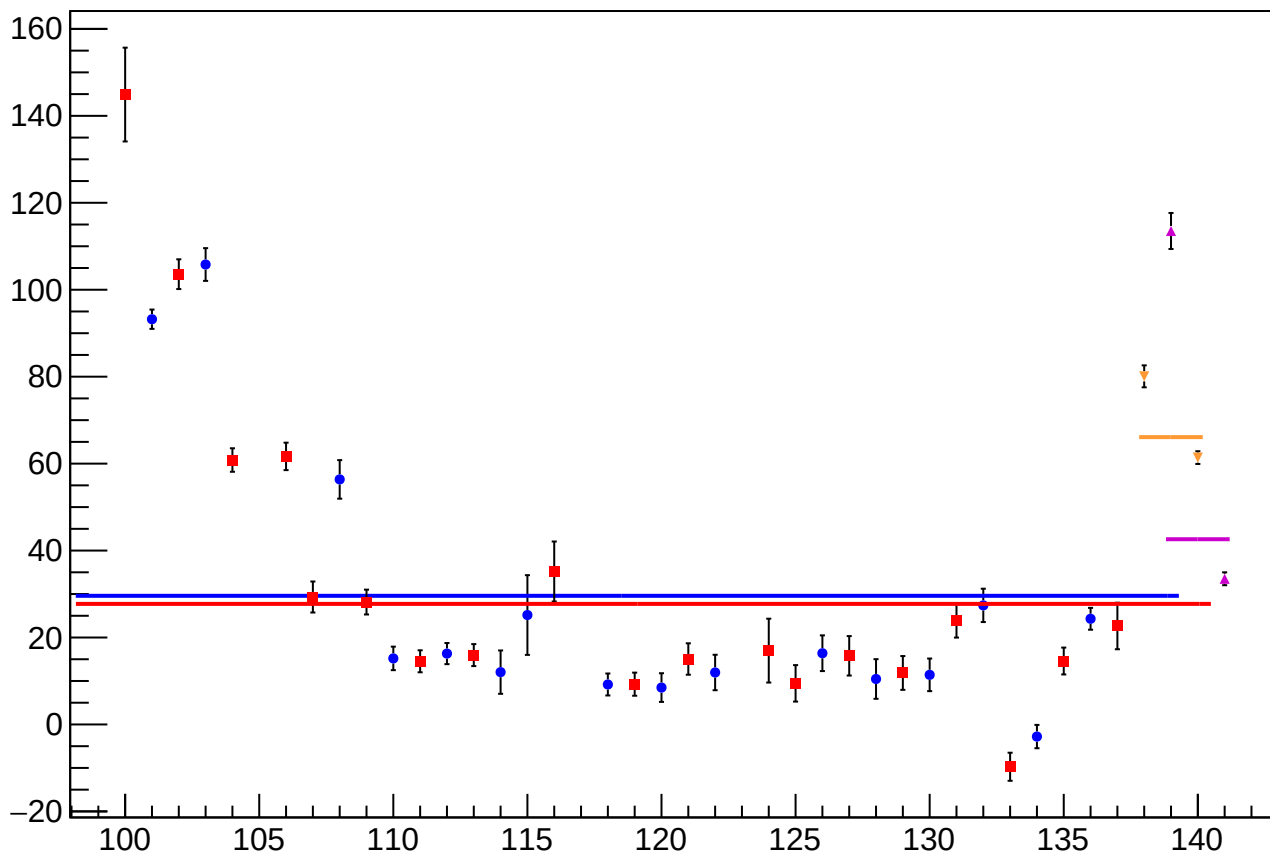
Left In: -56.128 ± 1.512 $\chi^2/\text{NDF}: 71.3/1$

+ sign -43.150 ± 0.650 $\chi^2/\text{NDF}: 3079.5/17$

All: -35.900 ± 0.444 $\chi^2/\text{NDF}: 4740.2/38$

- sign -29.585 ± 0.607 $\chi^2/\text{NDF}: 1428.3/20$

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

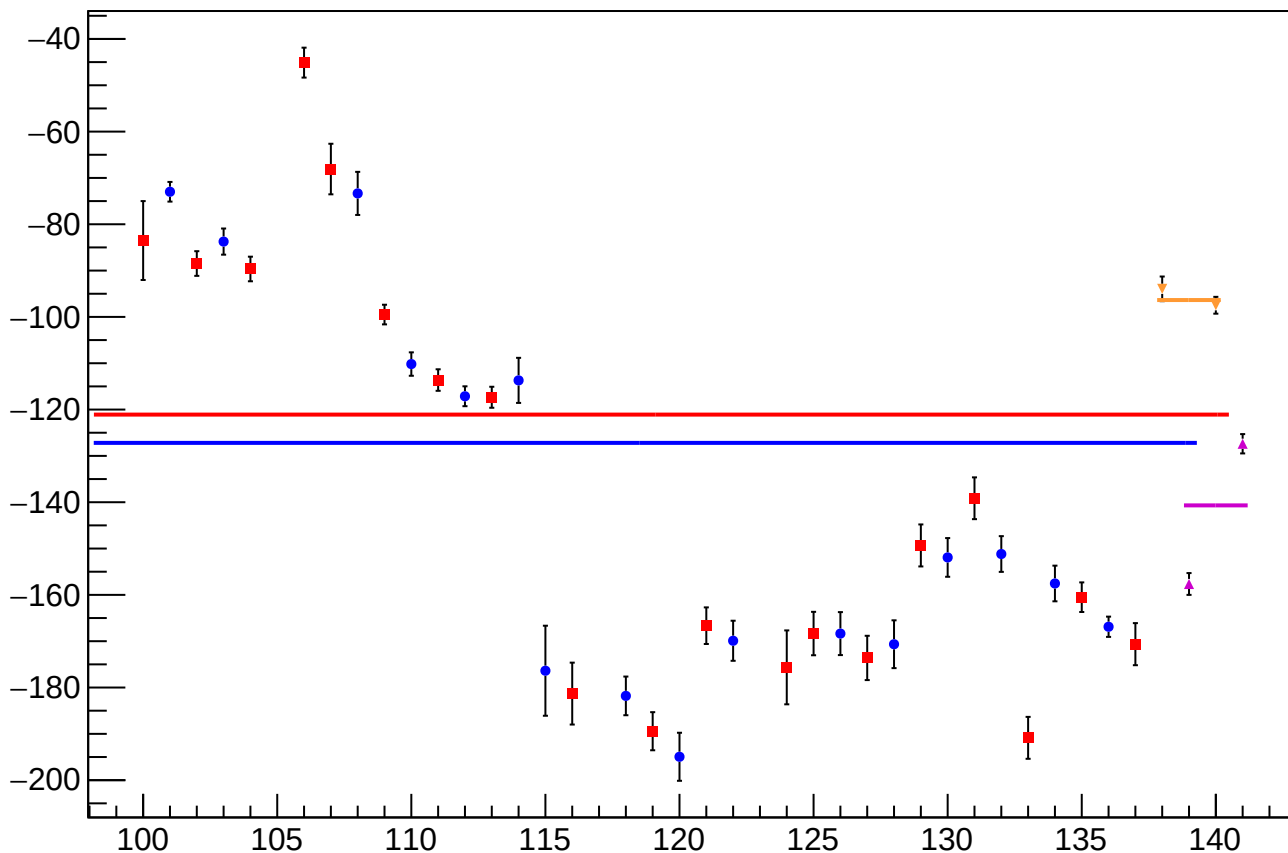
Left In: 42.608 $\pm$ 1.397 χ^2 /NDF: 330.5/1

+ sign 40.119 $\pm$ 0.681 χ^2 /NDF: 2296.3/17

All: 35.825 $\pm$ 0.485 χ^2 /NDF: 3978.2/38

- sign 31.388 $\pm$ 0.692 χ^2 /NDF: 1601.1/20

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190 ± 0.829 χ^2/NDF : 2178.2/15

Left Out: -96.359 ± 1.500 χ^2/NDF : 1.2/1

Right Out: -121.086 ± 0.798 χ^2/NDF : 2397.3/18

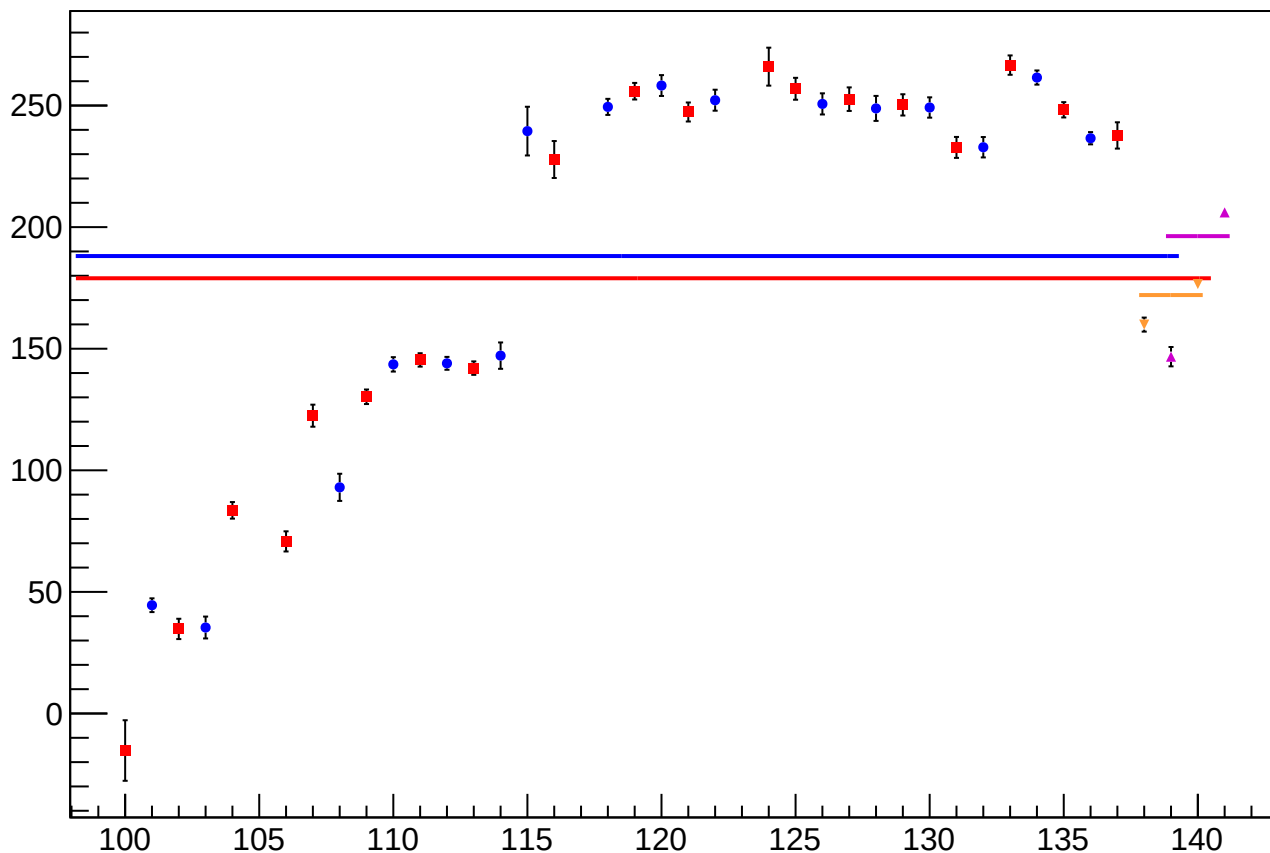
Left In: -140.683 ± 1.561 χ^2/NDF : 92.6/1

+ sign -119.971 ± 0.726 χ^2/NDF : 2502.9/17

All: -122.614 ± 0.508 χ^2/NDF : 5143.8/38

- sign -125.145 ± 0.710 χ^2/NDF : 2614.9/20

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

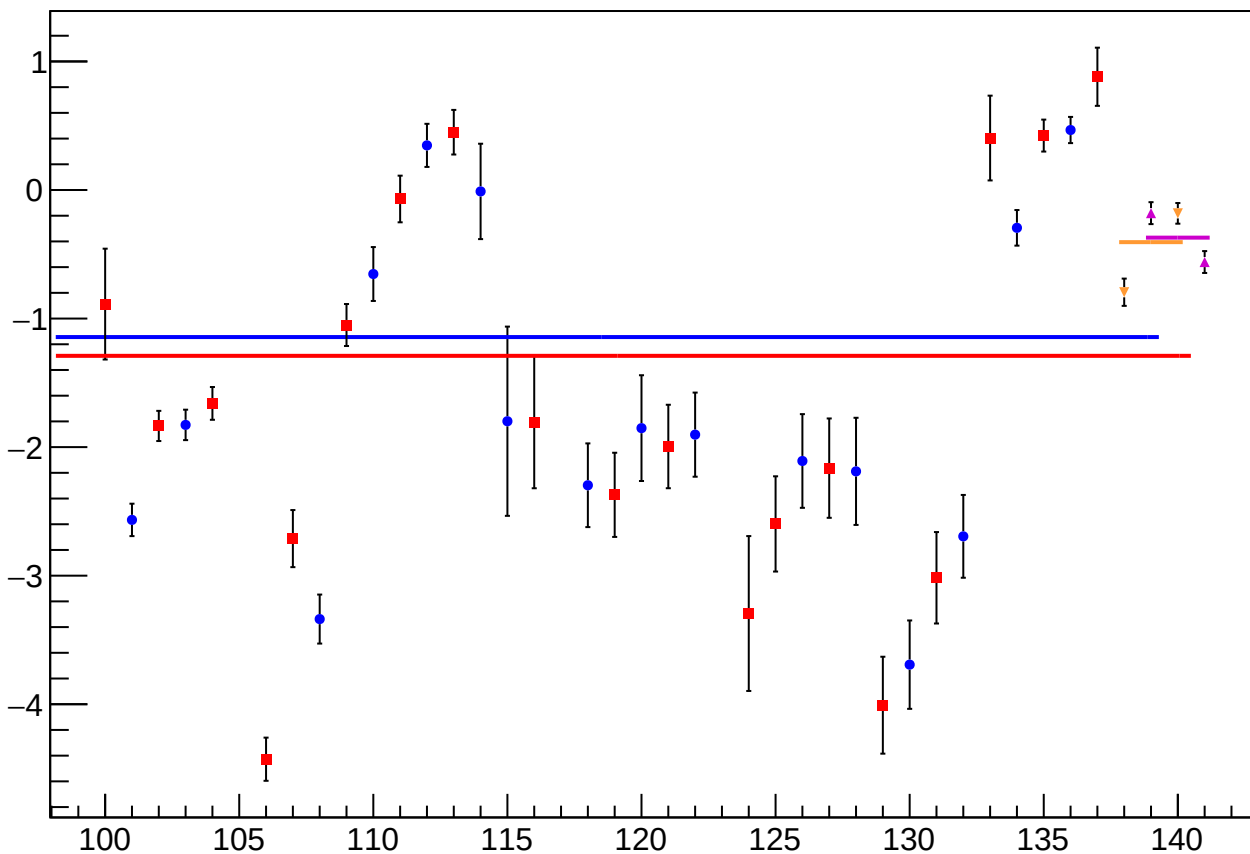
Left In: 196.296 $\pm$ 1.613 χ^2/NDF : 185.8/1

+ sign 183.754 $\pm$ 0.784 χ^2/NDF : 7225.8/17

All: 183.449 $\pm$ 0.557 χ^2/NDF : 14168.3/38

- sign 183.139 $\pm$ 0.791 χ^2/NDF : 6942.2/20

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144 ± 0.048 χ^2/NDF : 787.4/15

Left Out: -0.406 ± 0.064 χ^2/NDF : 21.3/1

Right Out: -1.290 ± 0.047 χ^2/NDF : 998.3/18

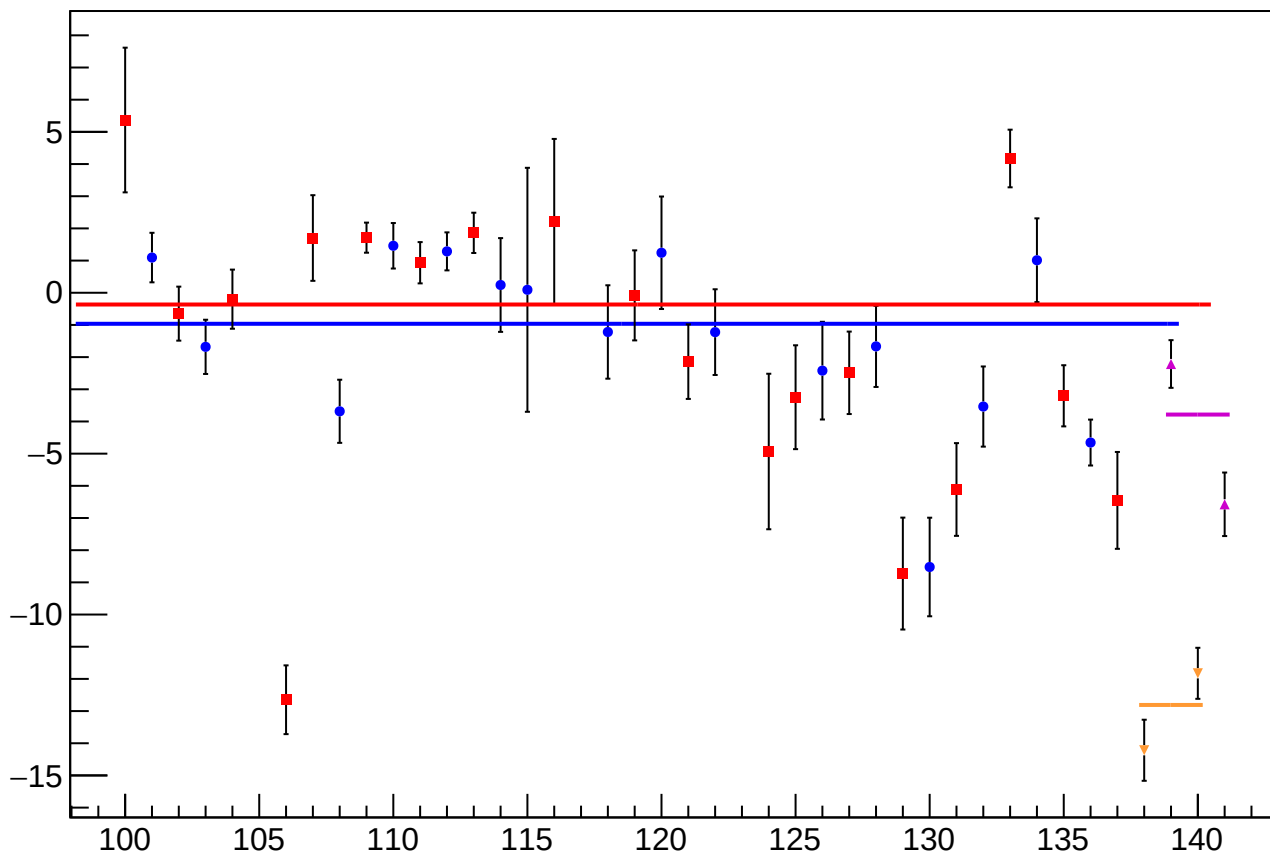
Left In: -0.371 ± 0.060 χ^2/NDF : 10.0/1

+ sign -0.878 ± 0.038 χ^2/NDF : 893.7/17

All: -0.909 ± 0.027 χ^2/NDF : 2047.0/38

- sign -0.938 ± 0.037 χ^2/NDF : 1152.0/20

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964 ± 0.253 χ^2/NDF : 103.2/15

Left Out: -12.810 ± 0.609 χ^2/NDF : 3.7/1

Right Out: -0.365 ± 0.224 χ^2/NDF : 280.6/18

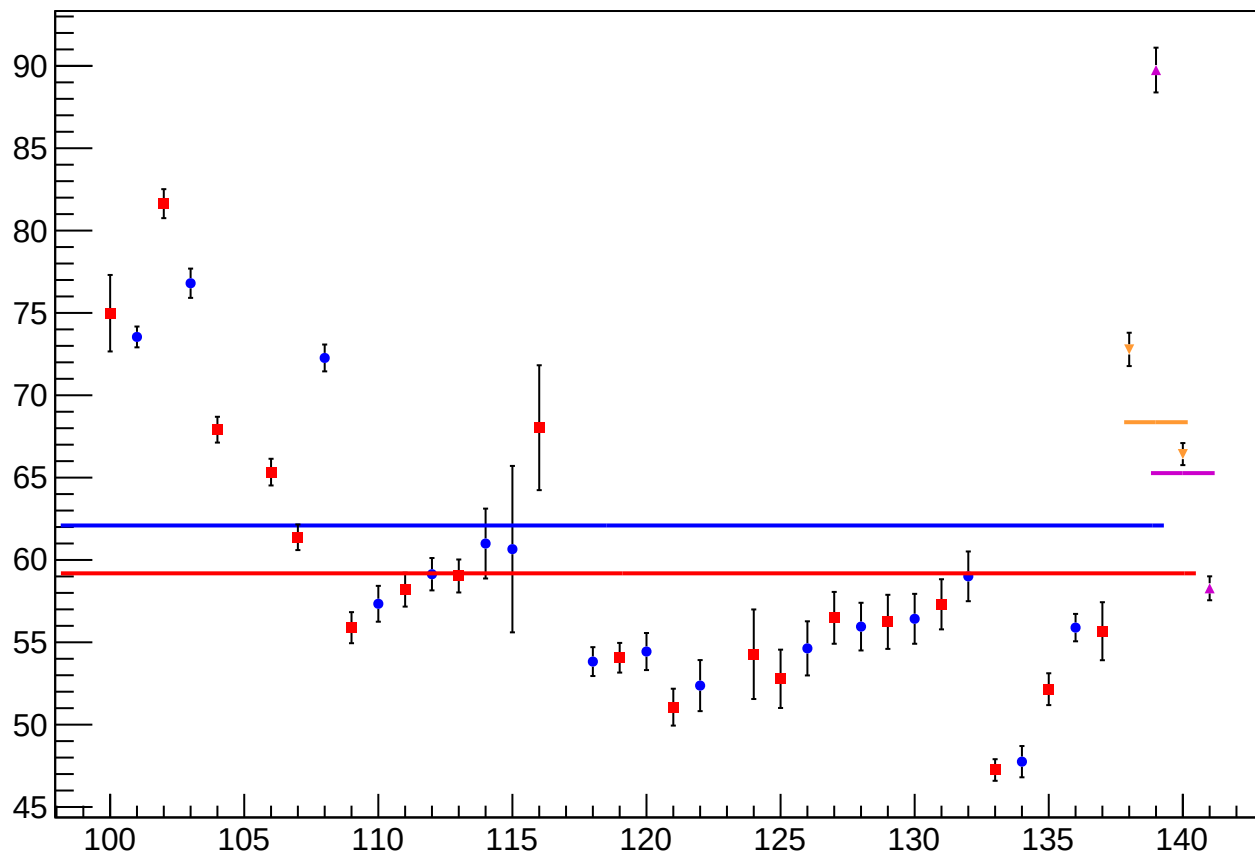
Left In: -3.785 ± 0.593 χ^2/NDF : 12.5/1

+ sign -2.712 ± 0.234 χ^2/NDF : 429.9/17

All: -1.646 ± 0.156 χ^2/NDF : 789.6/38

- sign -0.792 ± 0.209 χ^2/NDF : 322.2/20

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF : 1301.3/15

Left Out: 68.365+/-0.558 χ^2/NDF : 27.4/1

Right Out: 59.188+/-0.244 χ^2/NDF : 1402.1/18

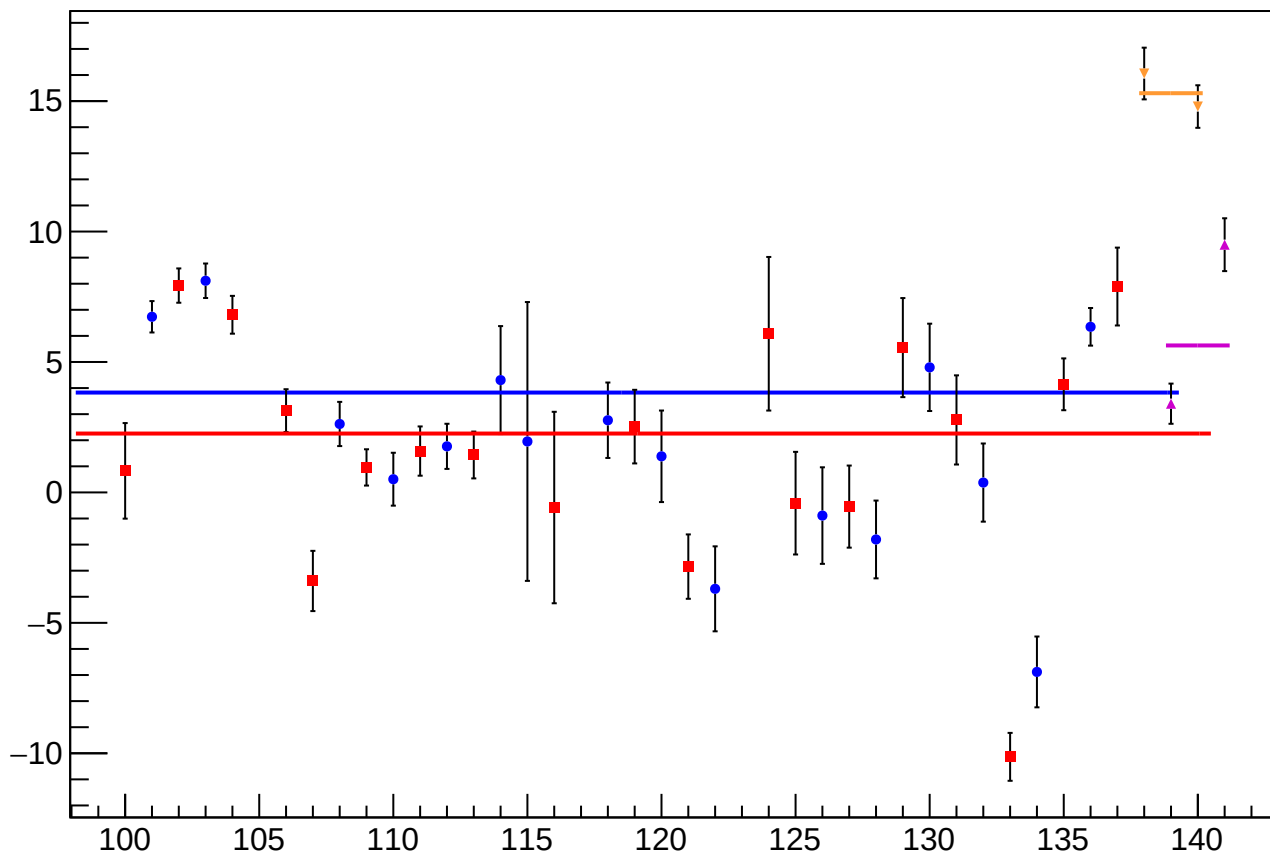
Left In: 65.273+/-0.641 χ^2/NDF : 417.0/1

+ sign 63.249+/-0.240 χ^2/NDF : 1431.6/17

All: 61.520+/-0.165 χ^2/NDF : 3428.6/38

- sign 59.957+/-0.228 χ^2/NDF : 1897.9/20

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828 ± 0.265 χ^2/NDF : 208.6/15

Left Out: 15.303 ± 0.630 χ^2/NDF : 1.0/1

Right Out: 2.257 ± 0.246 χ^2/NDF : 371.9/18

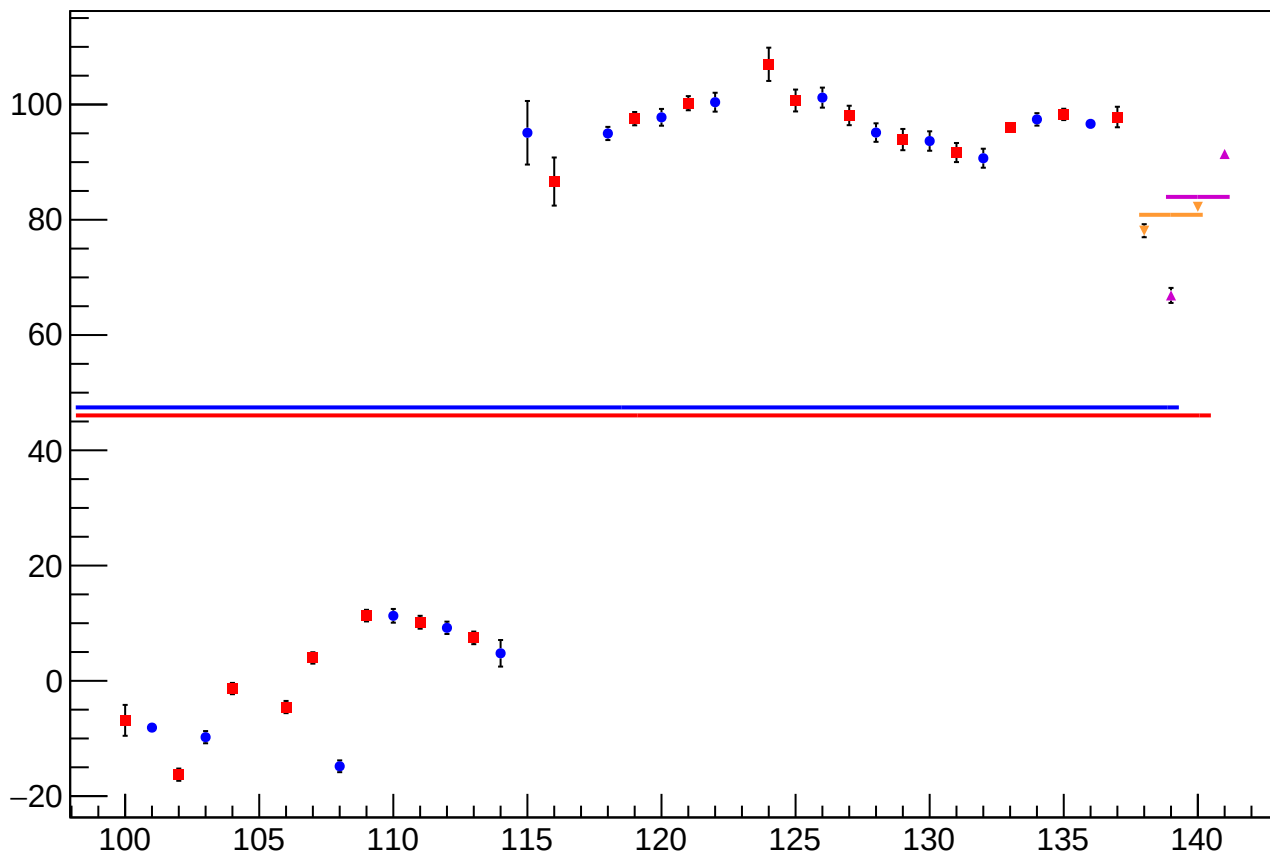
Left In: 5.634 ± 0.613 χ^2/NDF : 23.0/1

+ sign 5.557 ± 0.244 χ^2/NDF : 491.5/17

All: 4.047 ± 0.167 χ^2/NDF : 983.9/38

- sign 2.727 ± 0.229 χ^2/NDF : 421.0/20

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF : 26886.9/15

Left Out: 80.862+/-0.655 χ^2/NDF : 8.9/1

Right Out: 46.053+/-0.284 χ^2/NDF : 28897.8/18

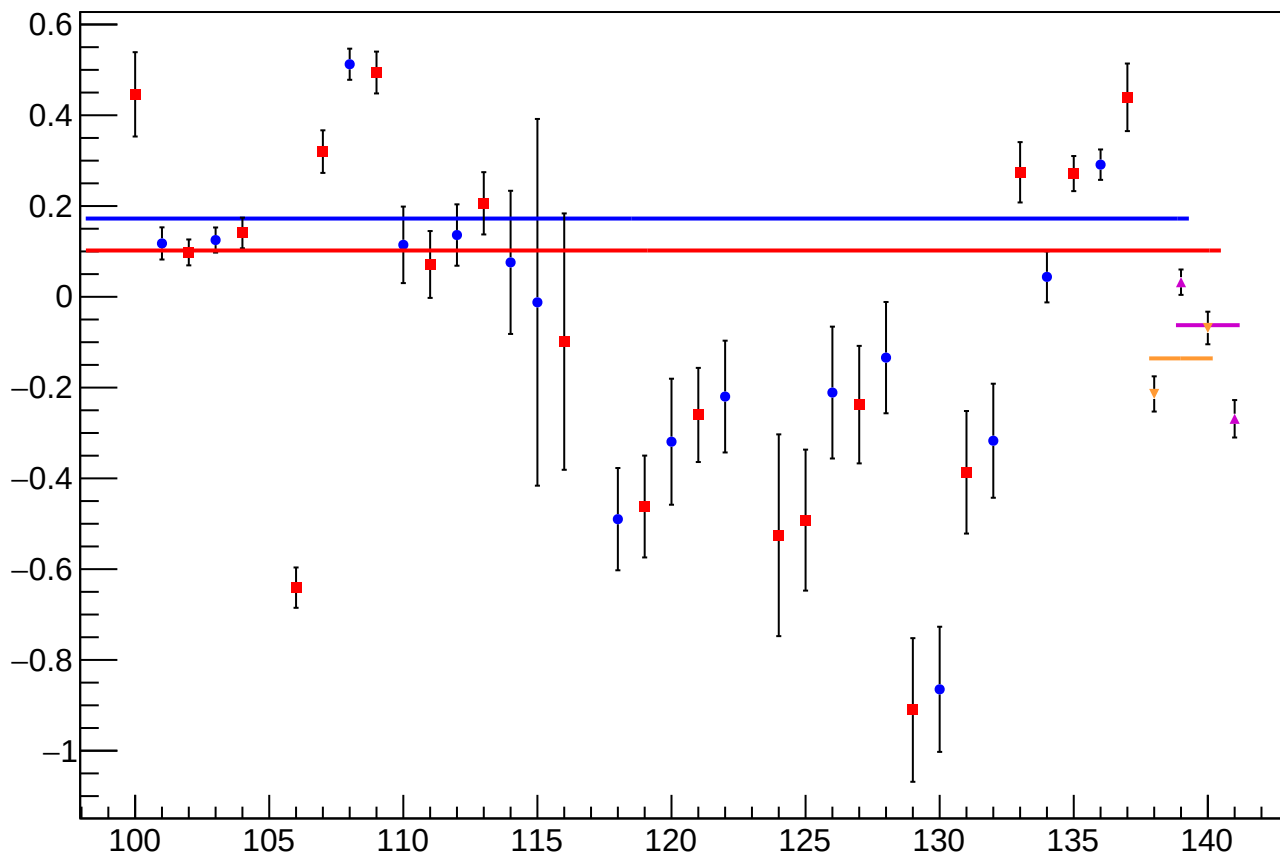
Left In: 83.969+/-0.719 χ^2/NDF : 246.2/1

+ sign 53.502+/-0.279 χ^2/NDF : 29029.4/17

All: 52.282+/-0.192 χ^2/NDF : 60614.7/38

- sign 51.184+/-0.264 χ^2/NDF : 31548.9/20

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172 ± 0.014 $\chi^2/\text{NDF}: 265.0/15$

Left Out: -0.136 ± 0.026 $\chi^2/\text{NDF}: 7.6/1$

Right Out: 0.102 ± 0.013 $\chi^2/\text{NDF}: 558.7/18$

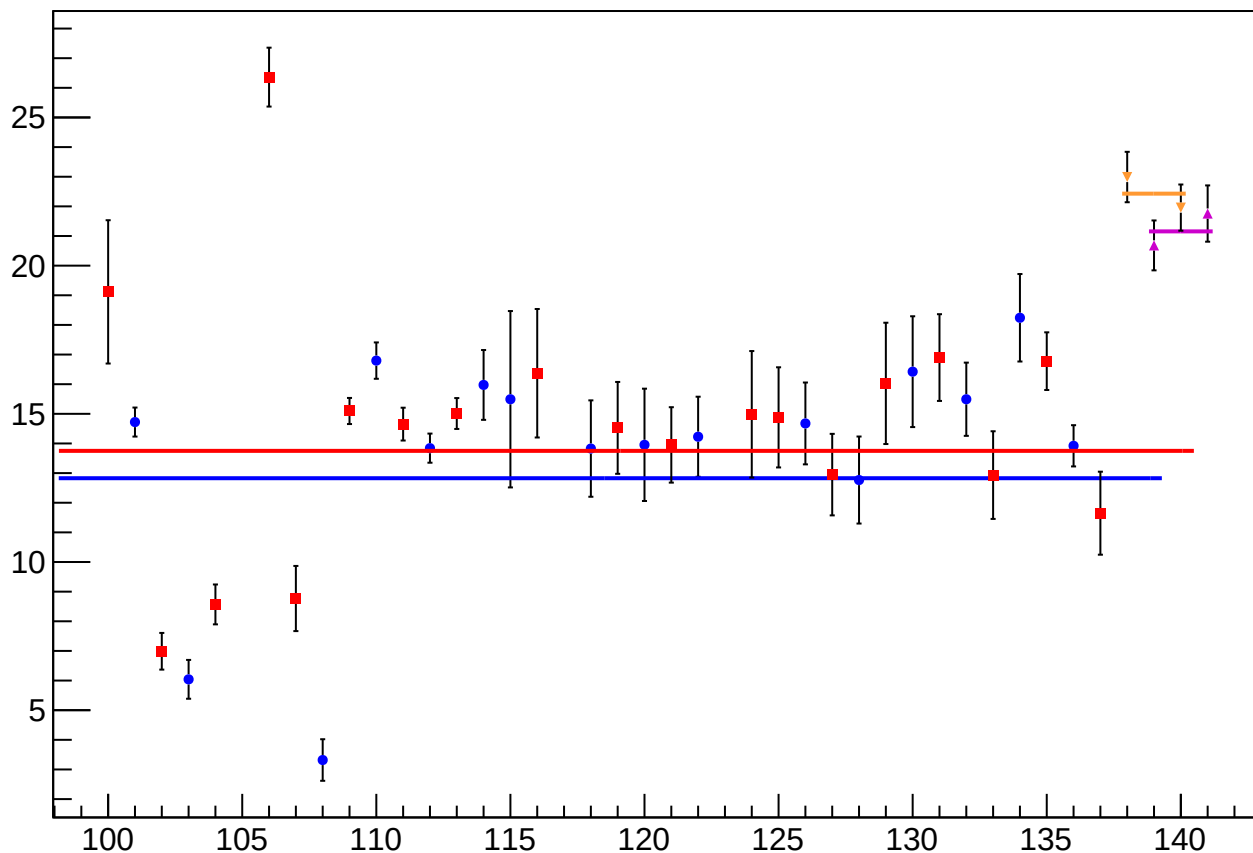
Left In: -0.062 ± 0.023 $\chi^2/\text{NDF}: 36.5/1$

+ sign 0.103 ± 0.012 $\chi^2/\text{NDF}: 378.7/17$

All: 0.080 ± 0.009 $\chi^2/\text{NDF}: 1018.0/38$

- sign 0.061 ± 0.012 $\chi^2/\text{NDF}: 633.0/20$

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827 ± 0.214 $\chi^2/\text{NDF}: 388.0/15$

Left Out: 22.429 ± 0.575 $\chi^2/\text{NDF}: 0.8/1$

Right Out: 13.750 ± 0.204 $\chi^2/\text{NDF}: 404.0/18$

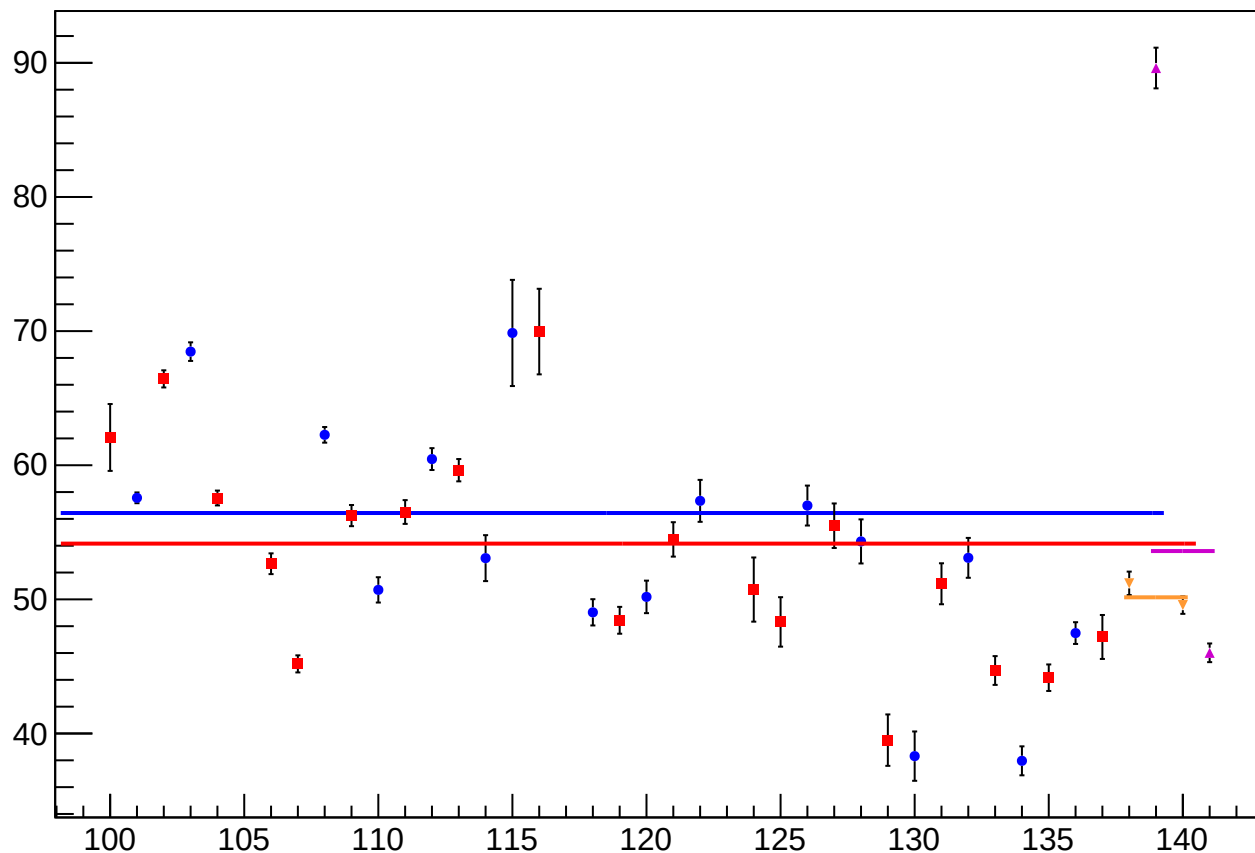
Left In: 21.156 ± 0.630 $\chi^2/\text{NDF}: 0.7/1$

+ sign 13.997 ± 0.201 $\chi^2/\text{NDF}: 633.9/17$

All: 14.233 ± 0.140 $\chi^2/\text{NDF}: 1166.3/38$

- sign 14.454 ± 0.194 $\chi^2/\text{NDF}: 529.8/20$

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

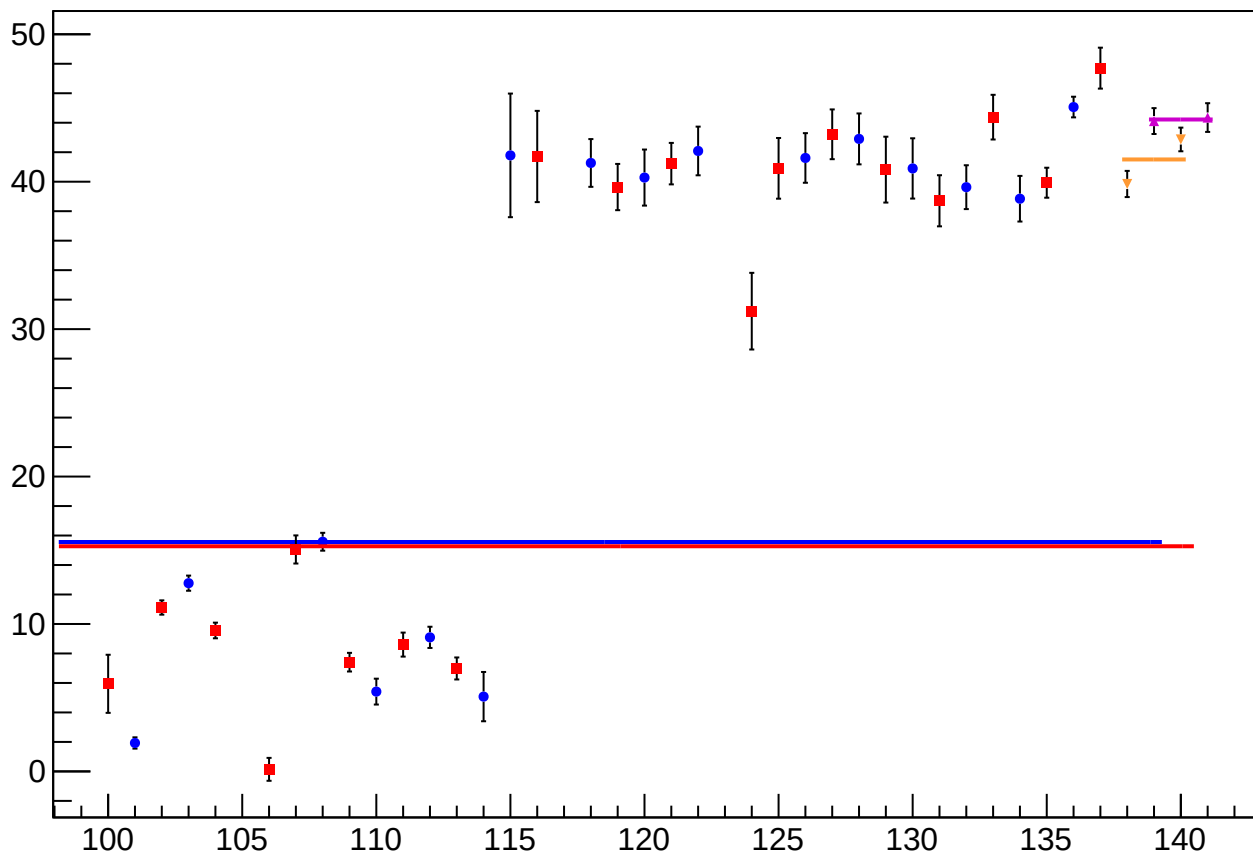
Left In: 53.602 $\pm$ 0.633 χ^2 /NDF: 682.2/1

+ sign 55.480 $\pm$ 0.204 χ^2 /NDF: 1212.7/17

All: 54.812 $\pm$ 0.147 χ^2 /NDF: 2924.4/38

- sign 54.094 $\pm$ 0.212 χ^2 /NDF: 1689.5/20

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

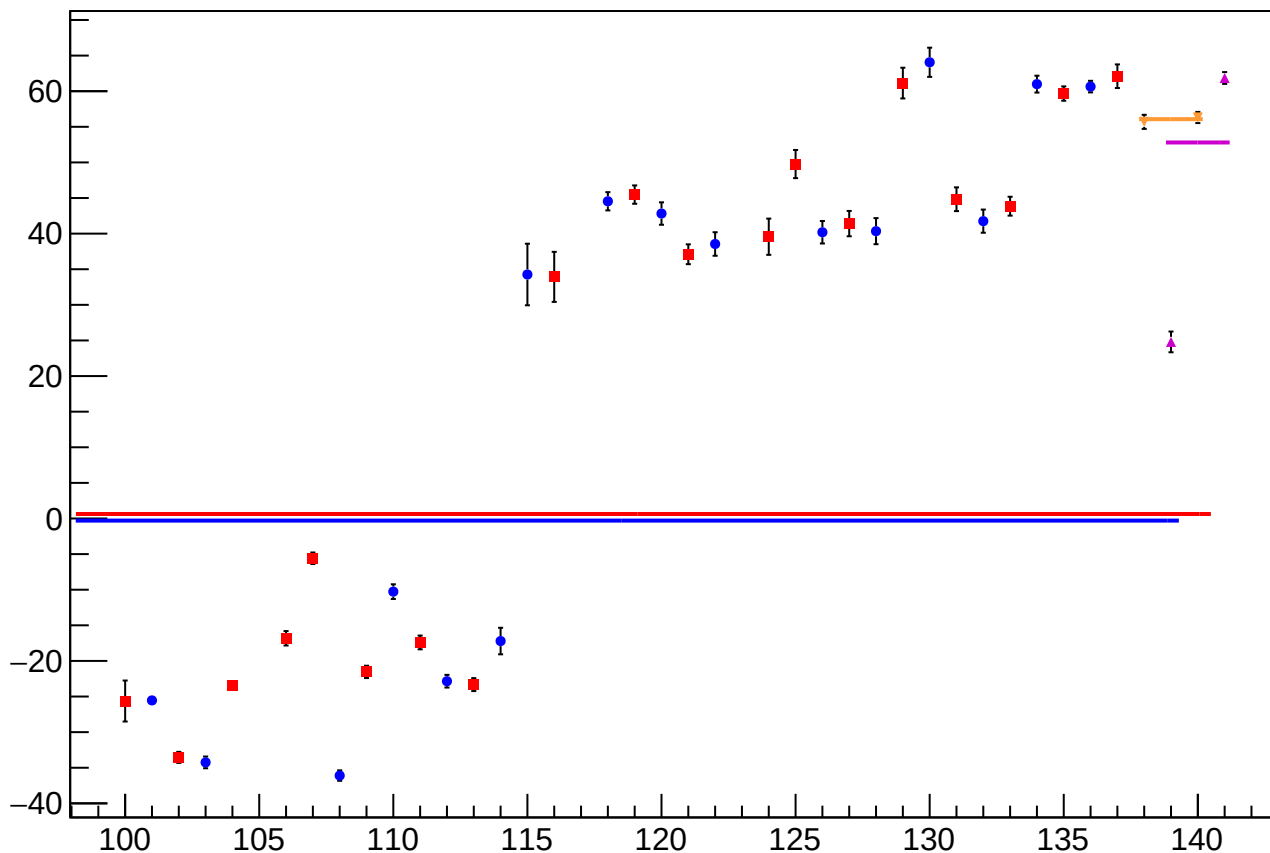
Left In: 44.220 $\pm$ 0.652 χ^2 /NDF: 0.0/1

+ sign 18.531 $\pm$ 0.201 χ^2 /NDF: 6865.5/17

All: 18.376 $\pm$ 0.145 χ^2 /NDF: 12511.4/38

- sign 18.211 $\pm$ 0.208 χ^2 /NDF: 5644.7/20

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296 ± 0.261 χ^2/NDF : 21030.9/15

Left Out: 56.072 ± 0.614 χ^2/NDF : 0.2/1

Right Out: 0.633 ± 0.264 χ^2/NDF : 16028.1/18

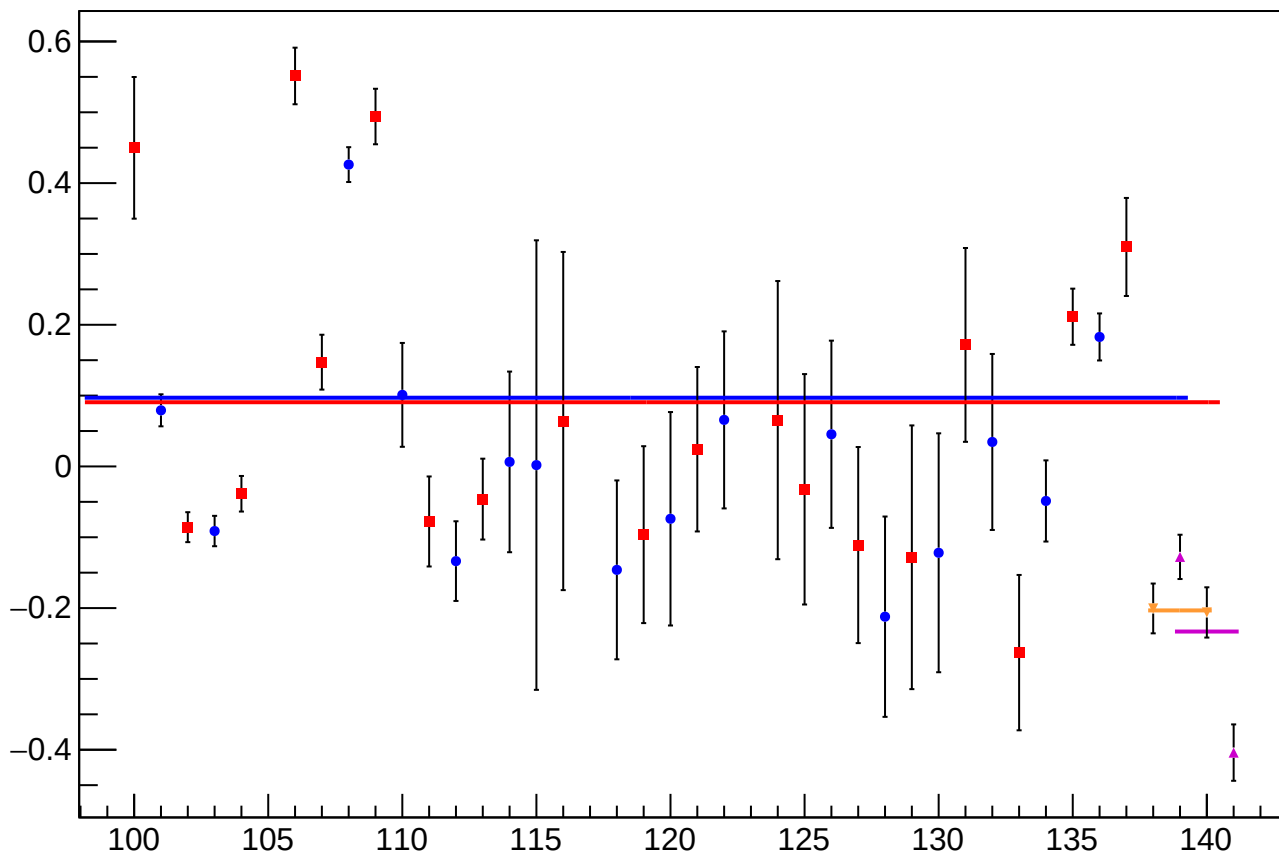
Left In: 52.800 ± 0.719 χ^2/NDF : 490.2/1

+ sign 8.350 ± 0.241 χ^2/NDF : 28163.5/17

All: 7.602 ± 0.172 χ^2/NDF : 49339.6/38

- sign 6.811 ± 0.248 χ^2/NDF : 21156.2/20

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097 ± 0.011 χ^2/NDF : 299.1/15

Left Out: -0.203 ± 0.025 χ^2/NDF : 0.0/1

Right Out: 0.091 ± 0.011 χ^2/NDF : 399.5/18

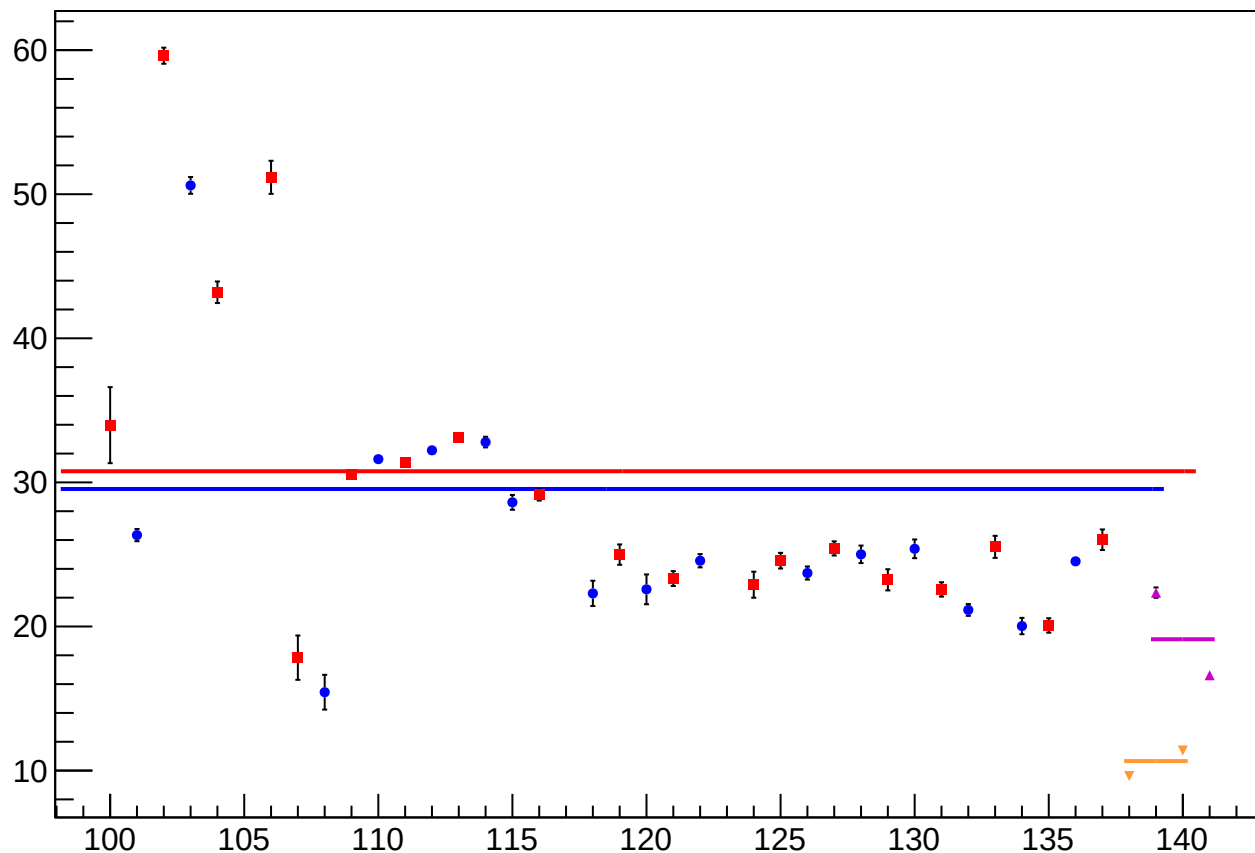
Left In: -0.233 ± 0.025 χ^2/NDF : 29.8/1

+ sign 0.047 ± 0.010 χ^2/NDF : 419.4/17

All: 0.040 ± 0.007 χ^2/NDF : 992.2/38

- sign 0.033 ± 0.010 χ^2/NDF : 572.0/20

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

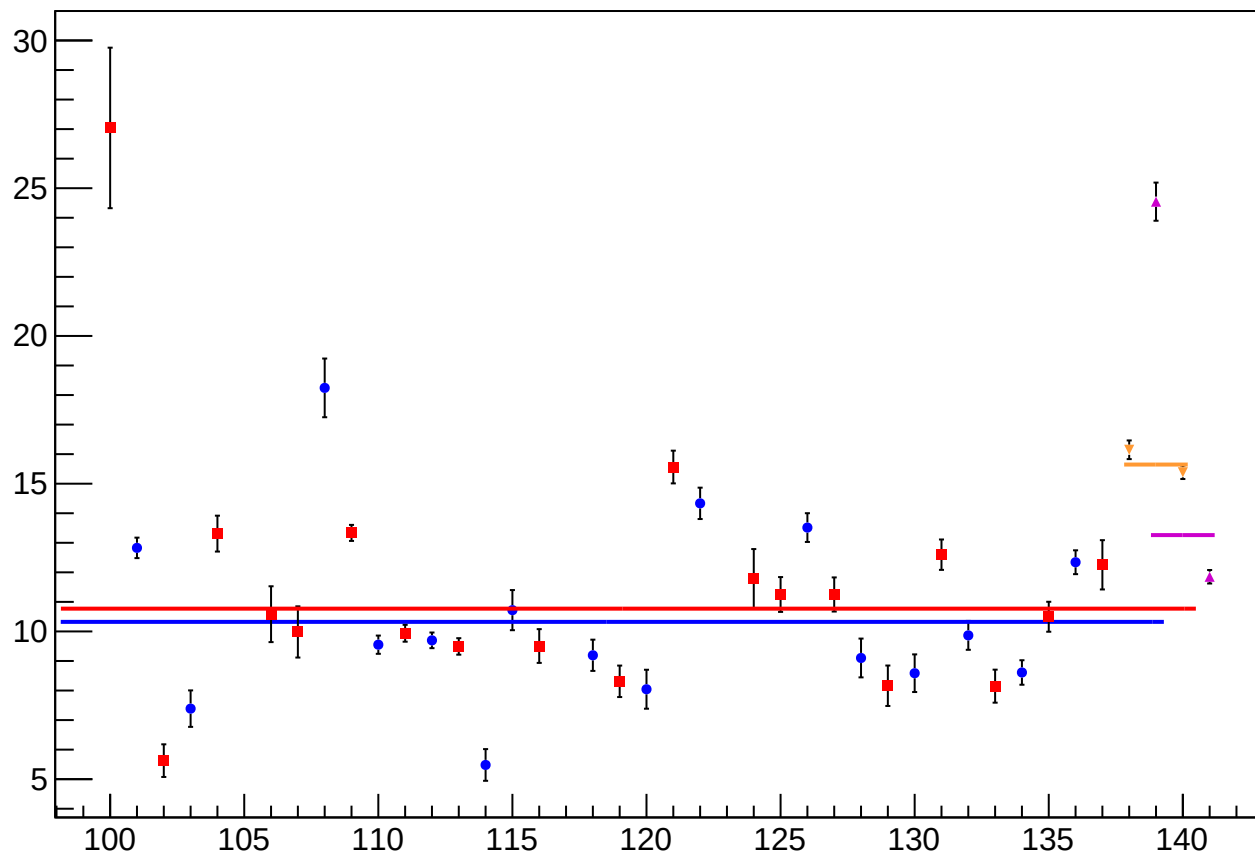
Left In: 19.115 $\pm$ 0.236 χ^2 /NDF:145.3/1

+ sign 26.551 $\pm$ 0.084 χ^2 /NDF: 10067.0/17

All: 28.217 $\pm$ 0.056 χ^2 /NDF: 18189.3/38

- sign 29.566 $\pm$ 0.076 χ^2 /NDF: 7416.6/20

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324 $\pm$ 0.114 χ^2 /NDF: 402.6/15

Left Out: 15.648 $\pm$ 0.185 χ^2 /NDF: 3.8/1

Right Out: 10.771 $\pm$ 0.113 χ^2 /NDF: 415.8/18

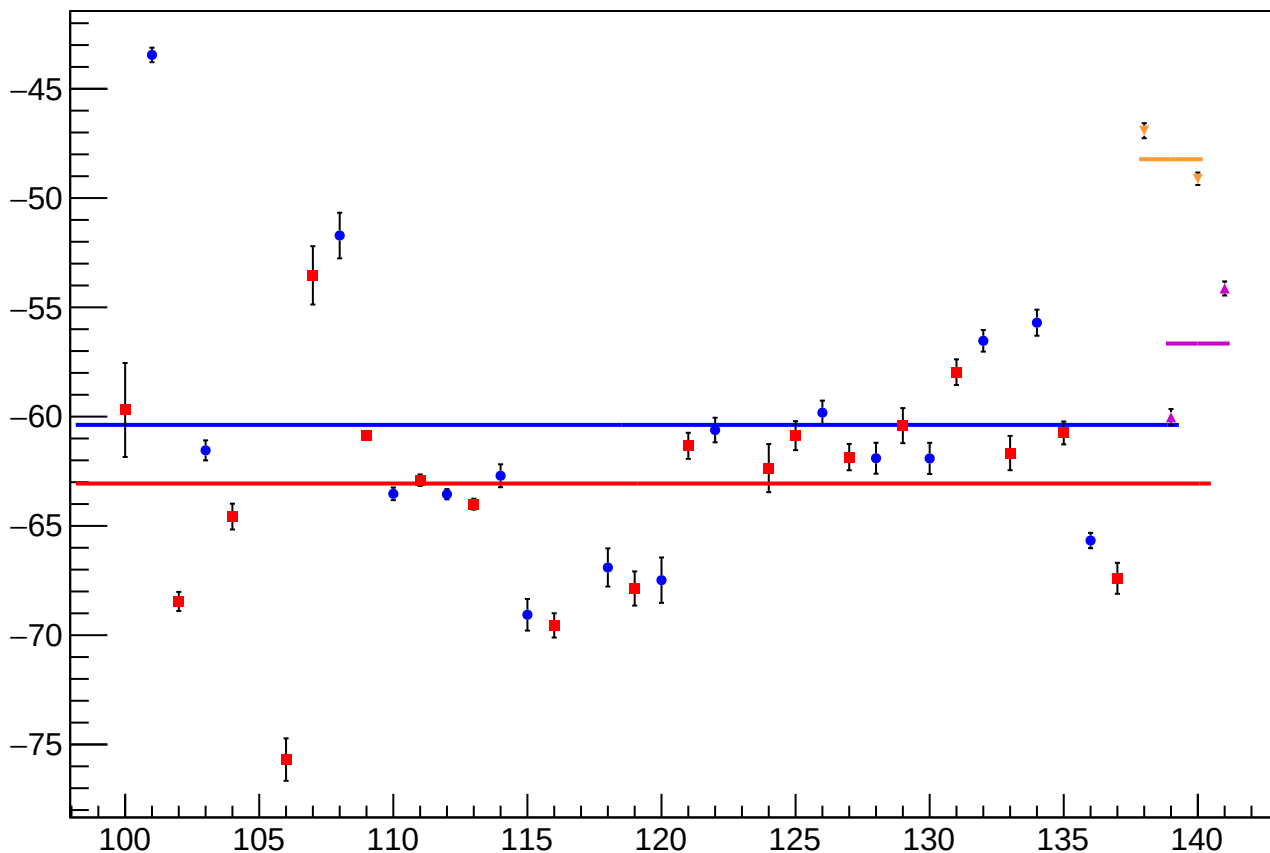
Left In: 13.260 $\pm$ 0.215 χ^2 /NDF: 343.7/1

+ sign 11.788 $\pm$ 0.097 χ^2 /NDF: 1006.8/17

All: 11.556 $\pm$ 0.070 χ^2 /NDF: 1883.1/38

- sign 11.308 $\pm$ 0.100 χ^2 /NDF: 864.5/20

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377 ± 0.113 $\chi^2/\text{NDF}: 3597.6/15$

Left Out: -48.223 ± 0.219 $\chi^2/\text{NDF}: 24.3/1$

Right Out: -63.061 ± 0.107 $\chi^2/\text{NDF}: 844.1/18$

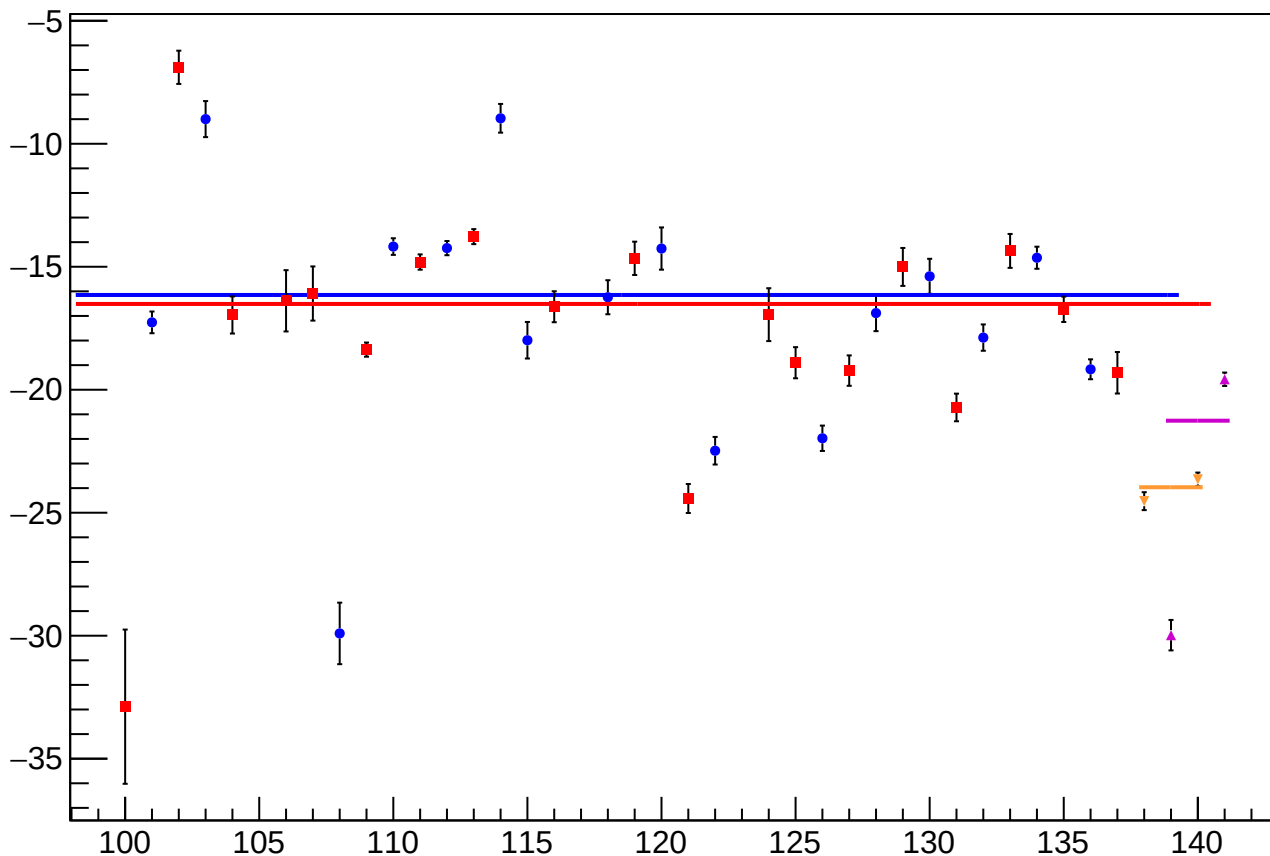
Left In: -56.656 ± 0.244 $\chi^2/\text{NDF}: 143.2/1$

+ sign -57.826 ± 0.100 $\chi^2/\text{NDF}: 6049.8/17$

All: -59.972 ± 0.070 $\chi^2/\text{NDF}: 8508.4/38$

- sign -62.021 ± 0.098 $\chi^2/\text{NDF}: 1566.8/20$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147 ± 0.127 χ^2/NDF : 797.1/15

Left Out: -23.964 ± 0.219 χ^2/NDF : 3.8/1

Right Out: -16.512 ± 0.125 χ^2/NDF : 684.7/18

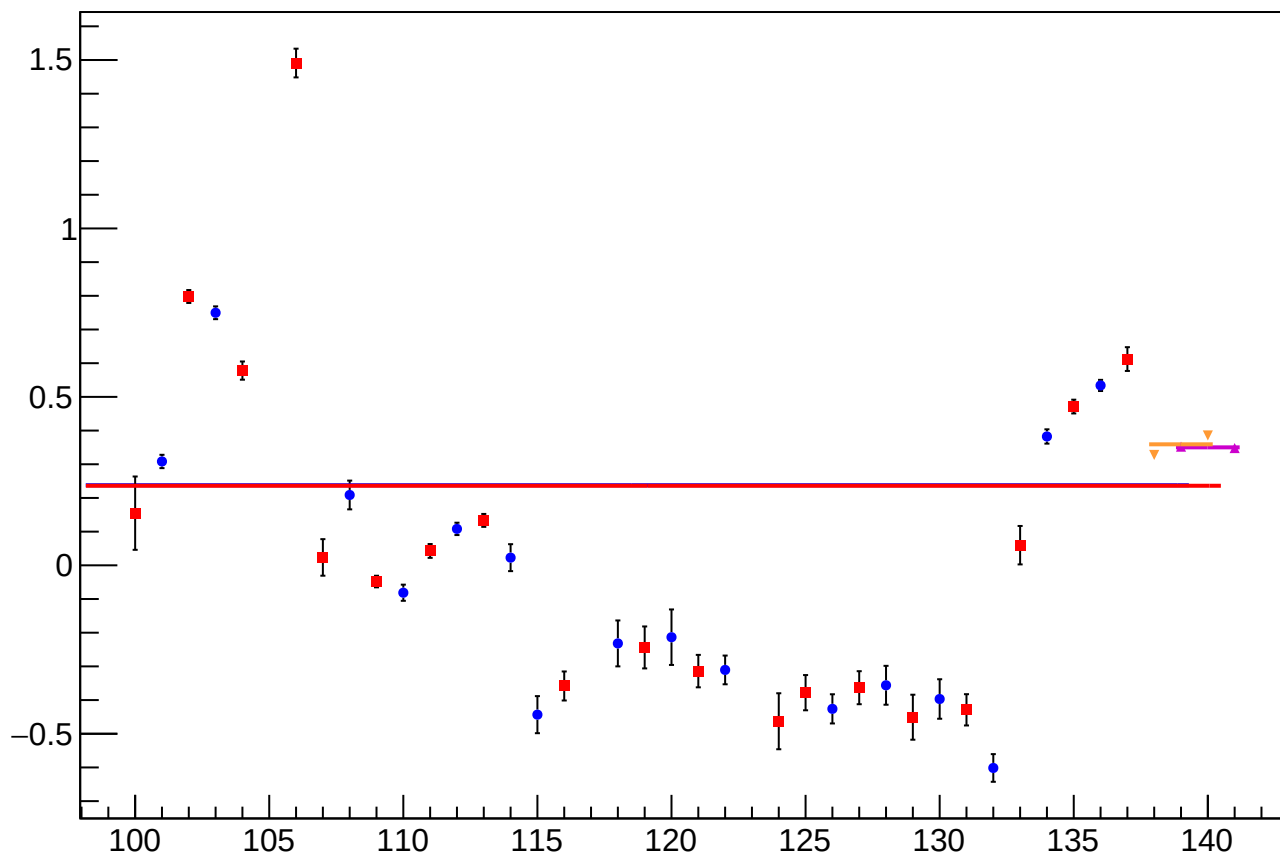
Left In: -21.258 ± 0.249 χ^2/NDF : 236.6/1

+ sign -18.112 ± 0.110 χ^2/NDF : 1750.7/17

All: -17.791 ± 0.078 χ^2/NDF : 2979.6/38

- sign -17.462 ± 0.111 χ^2/NDF : 1211.6/20

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

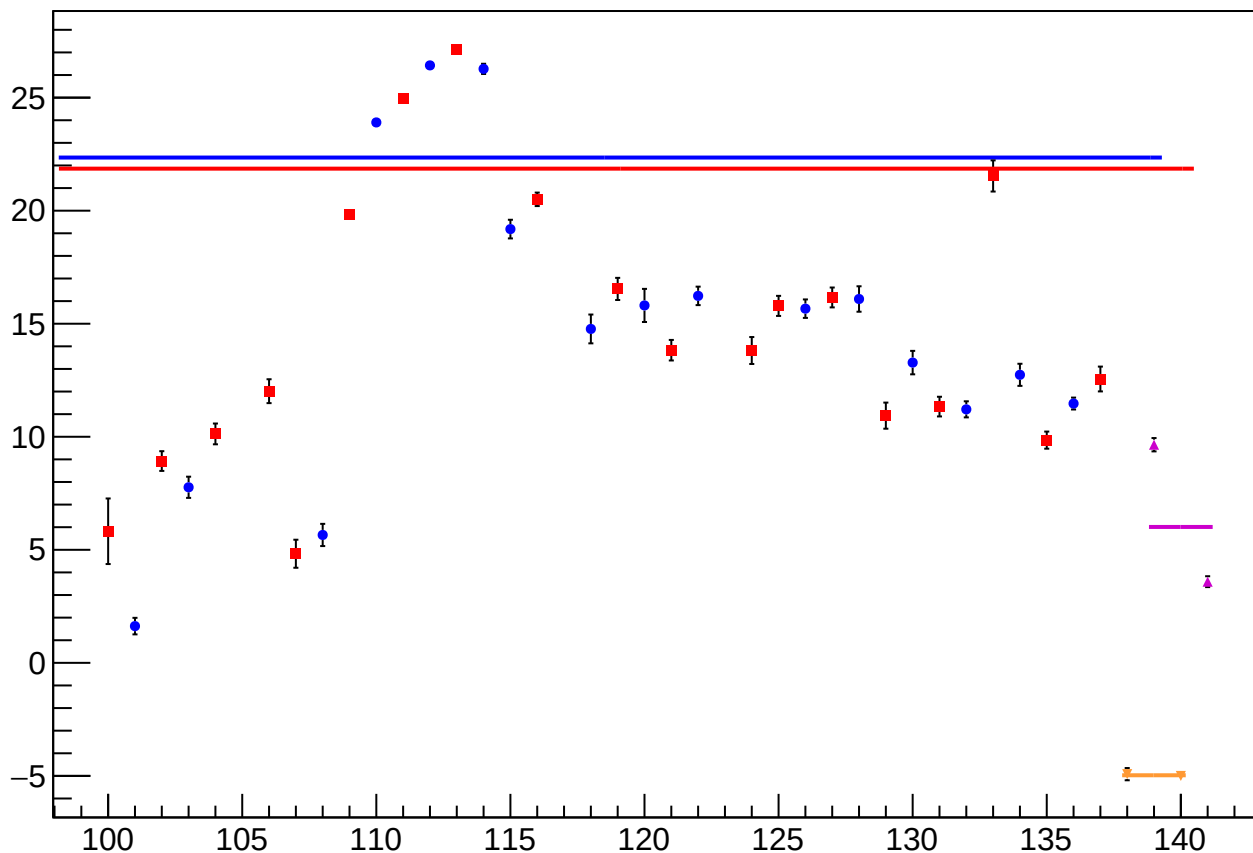
Left In: 0.350 $\pm$ 0.009 χ^2 /NDF:0.0/1

+ sign 0.282 $\pm$ 0.006 χ^2 /NDF: 2749.7/17

All: 0.280 $\pm$ 0.004 χ^2 /NDF: 6439.3/38

- sign 0.278 $\pm$ 0.006 χ^2 /NDF: 3689.3/20

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

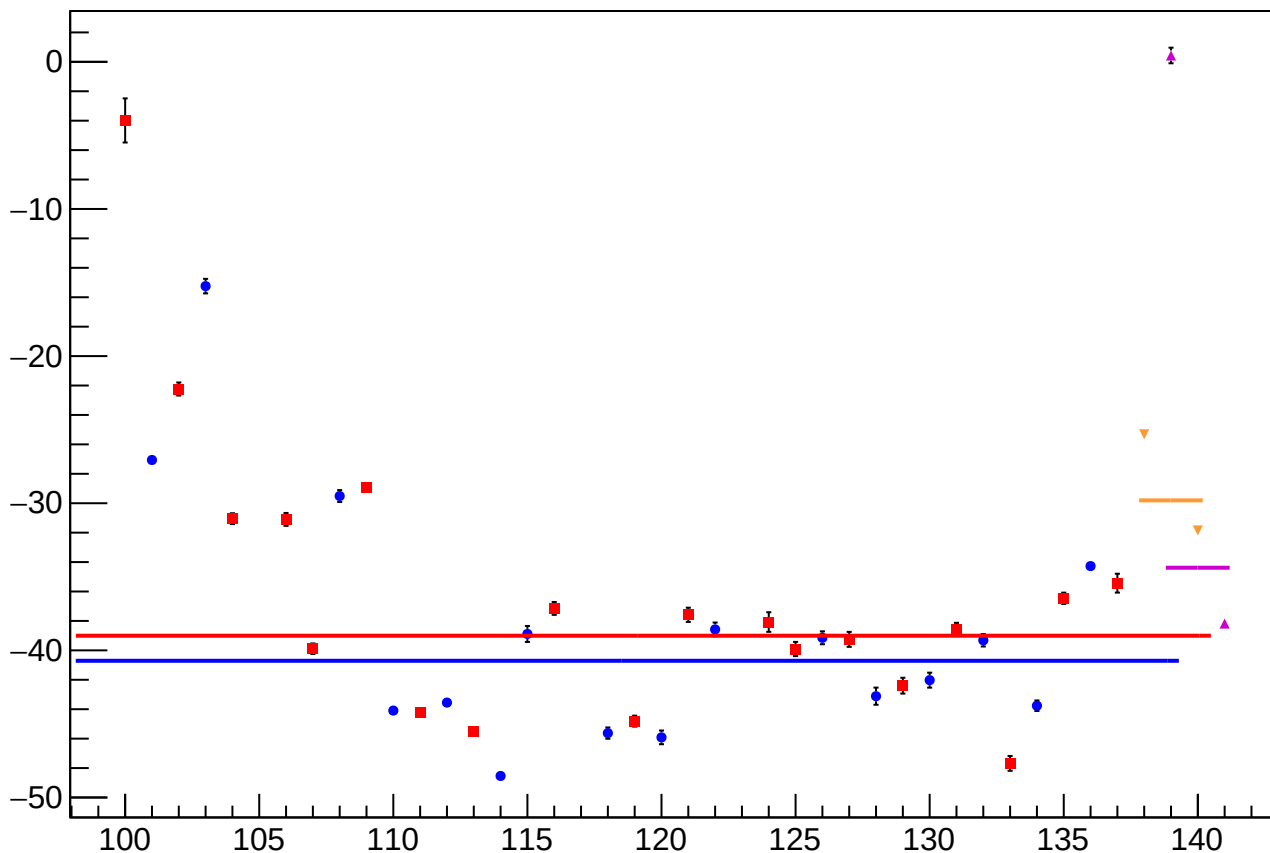
Left In: 6.011 $\pm$ 0.186 χ^2 /NDF: 253.4/1

+ sign 19.567 $\pm$ 0.054 χ^2 /NDF: 36109.8/17

All: 20.373 $\pm$ 0.034 χ^2 /NDF: 54248.0/38

- sign 20.939 $\pm$ 0.045 χ^2 /NDF: 17753.5/20

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 $\chi^2/\text{NDF}: 10101.3/18$

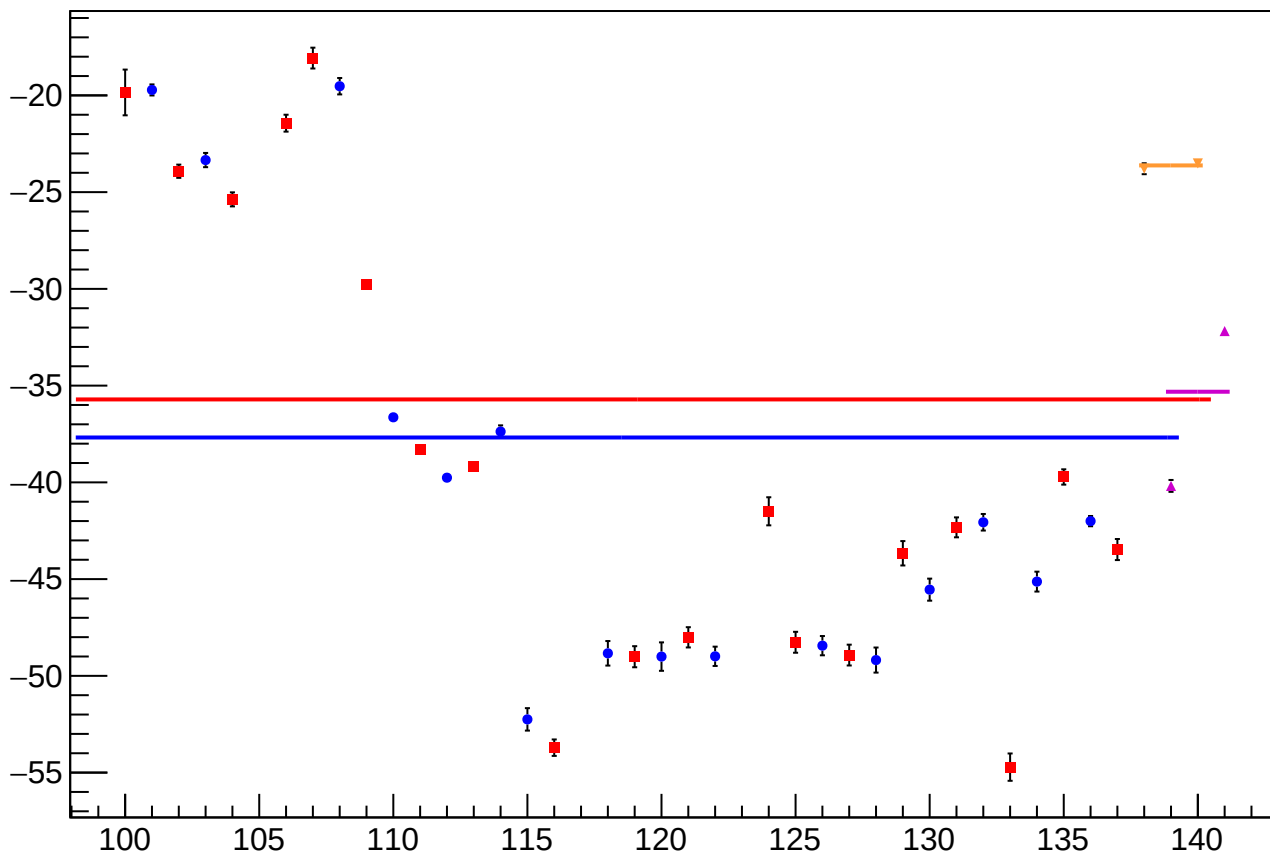
Left In: -34.384 ± 0.166 $\chi^2/\text{NDF}: 4769.3/1$

+ sign -38.373 ± 0.068 $\chi^2/\text{NDF}: 12560.2/17$

All: -38.332 ± 0.047 $\chi^2/\text{NDF}: 28083.7/38$

- sign -38.293 ± 0.065 $\chi^2/\text{NDF}: 15522.8/20$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681 ± 0.074 $\chi^2/\text{NDF}: 10853.9/15$

Left Out: -23.619 ± 0.174 $\chi^2/\text{NDF}: 0.6/1$

Right Out: -35.714 ± 0.064 $\chi^2/\text{NDF}: 13274.5/18$

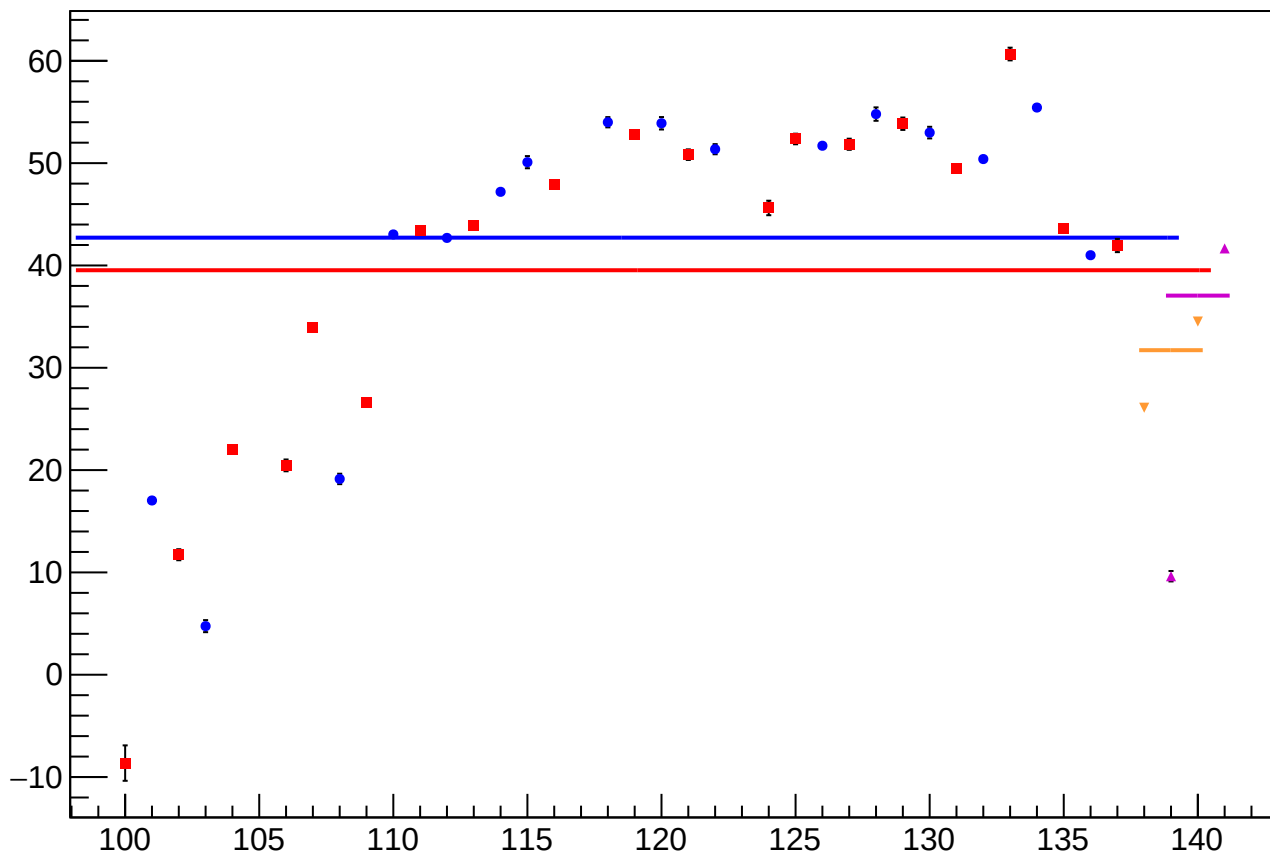
Left In: -35.316 ± 0.192 $\chi^2/\text{NDF}: 411.9/1$

+ sign -35.532 ± 0.068 $\chi^2/\text{NDF}: 16410.6/17$

All: -35.610 ± 0.045 $\chi^2/\text{NDF}: 30103.3/38$

- sign -35.674 ± 0.061 $\chi^2/\text{NDF}: 13690.3/20$

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

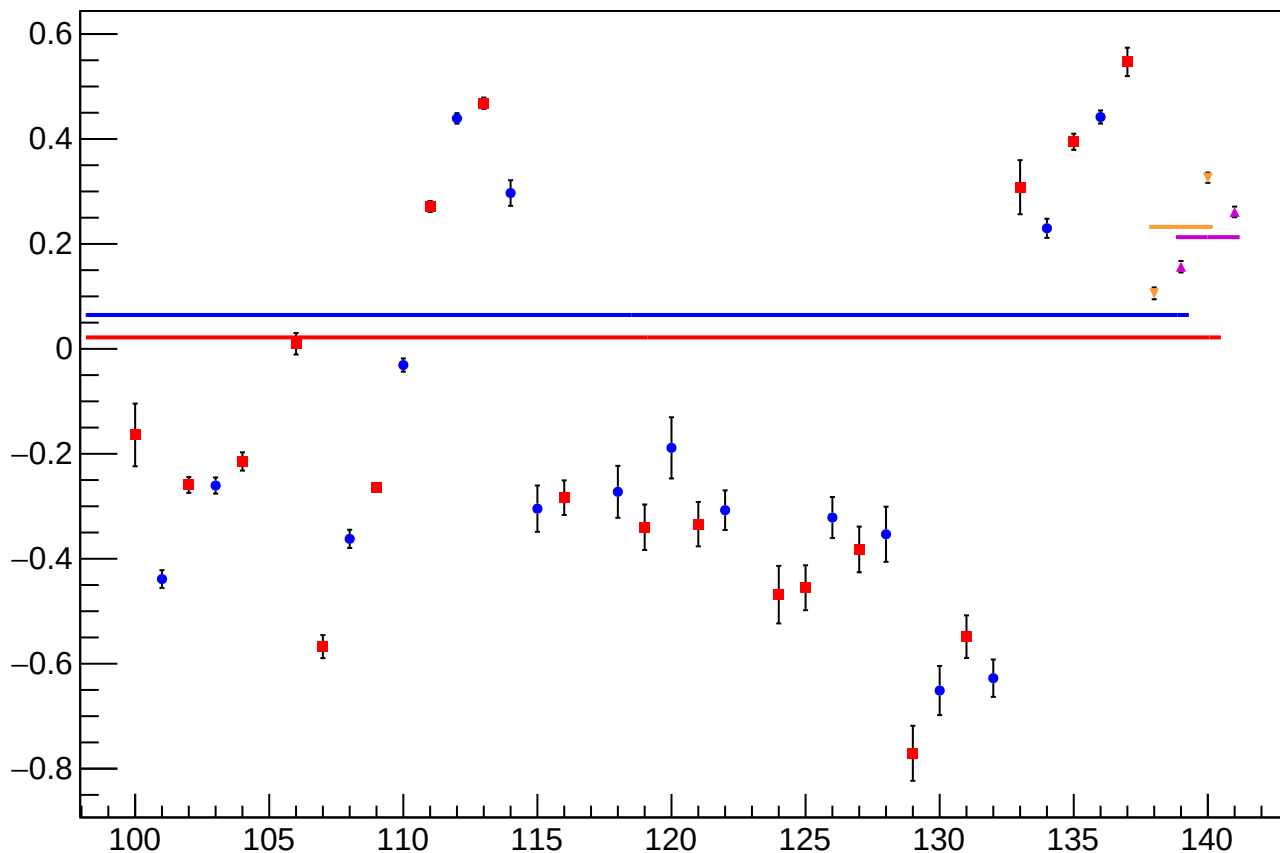
Left In: 37.054 $\pm$ 0.193 χ^2 /NDF: 3391.7/1

+ sign 40.591 $\pm$ 0.076 χ^2 /NDF: 18520.8/17

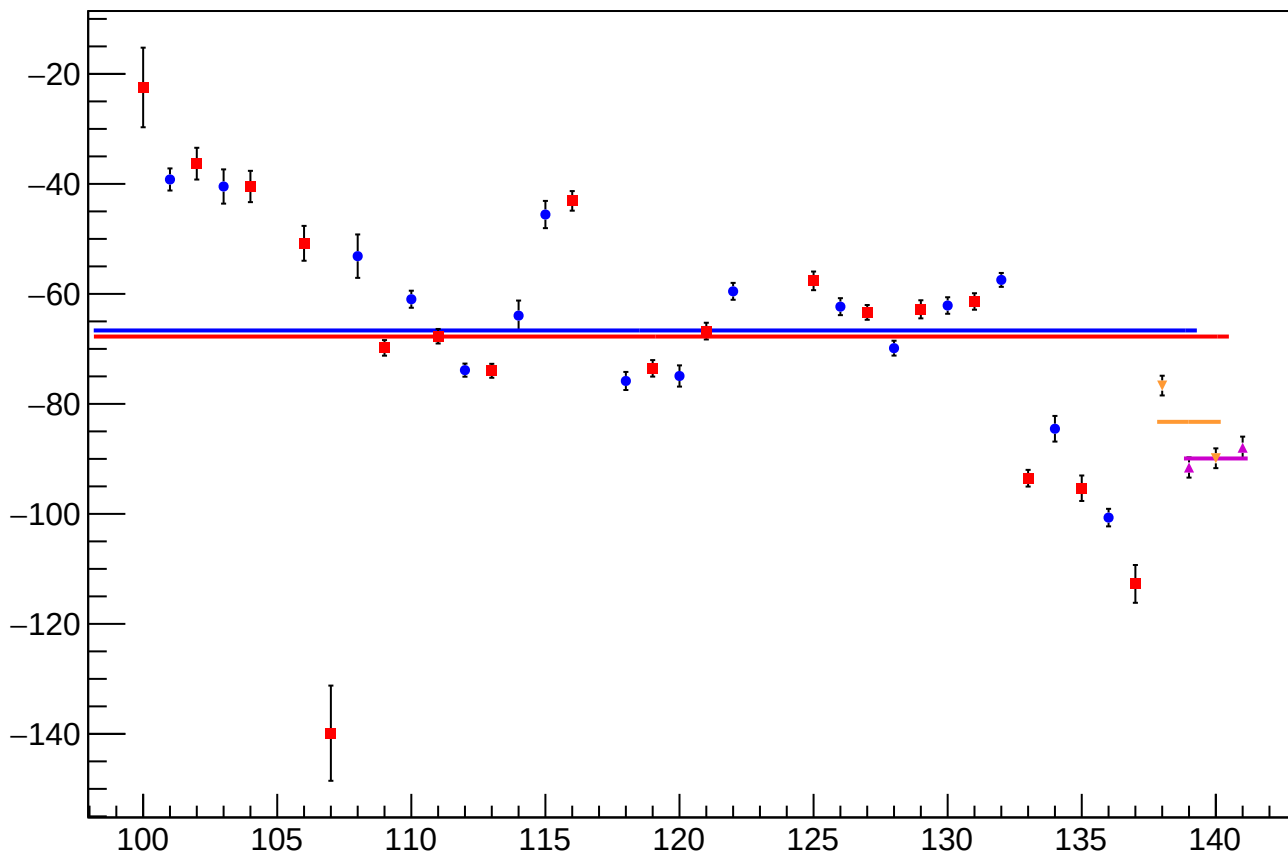
All: 39.850 $\pm$ 0.053 χ^2 /NDF: 40210.7/38

- sign 39.184 $\pm$ 0.072 χ^2 /NDF: 21511.5/20

reg_asym_sam8_diff_bpm12X_slope vs Slug



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 $\chi^2/\text{NDF}: 1255.4/17$

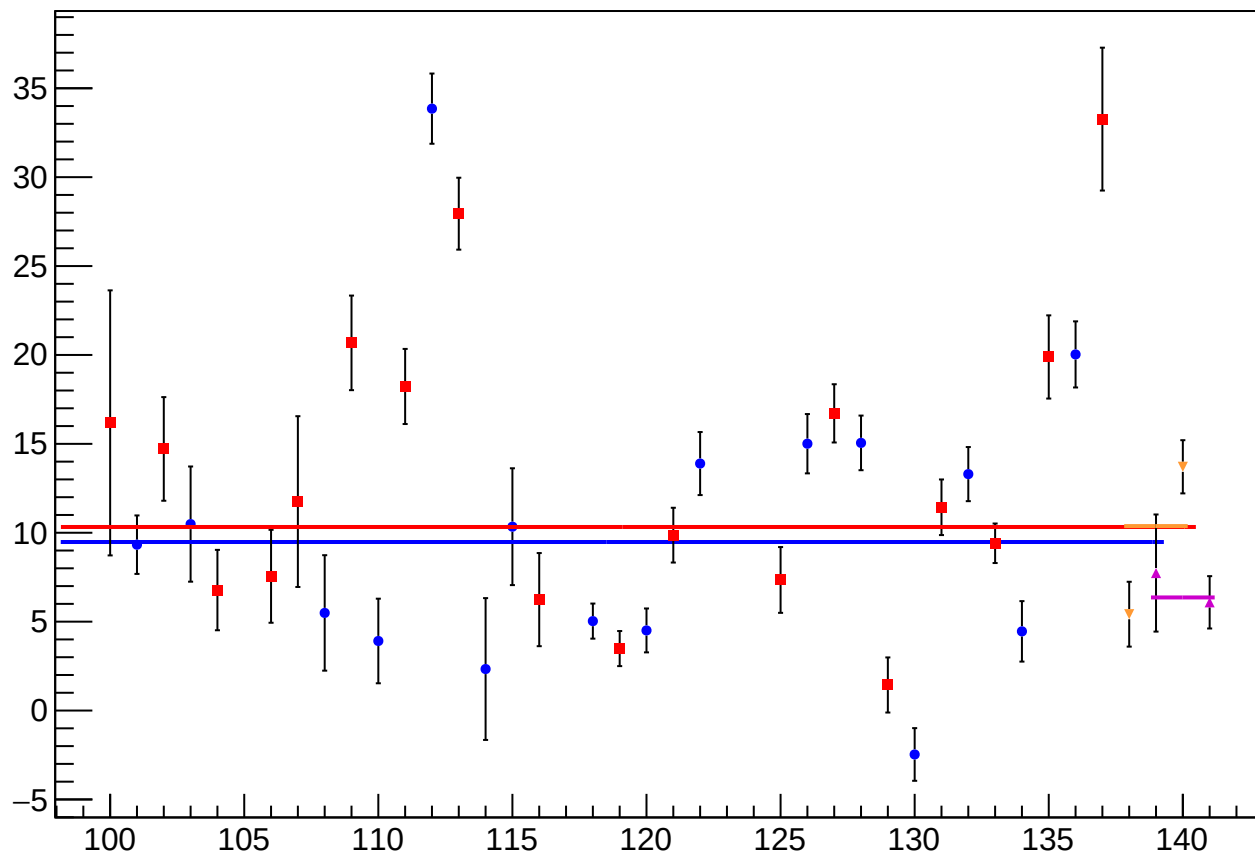
Left In: -89.924 ± 1.358 $\chi^2/\text{NDF}: 1.7/1$

+ sign -68.329 ± 0.404 $\chi^2/\text{NDF}: 1233.4/17$

All: -69.013 ± 0.285 $\chi^2/\text{NDF}: 2739.5/37$

- sign -69.686 ± 0.401 $\chi^2/\text{NDF}: 1500.5/19$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480 $\pm$ 0.428 χ^2/NDF : 341.9/15

Left Out: 10.376 $\pm$ 1.157 χ^2/NDF : 12.4/1

Right Out: 10.324 $\pm$ 0.436 χ^2/NDF : 263.4/17

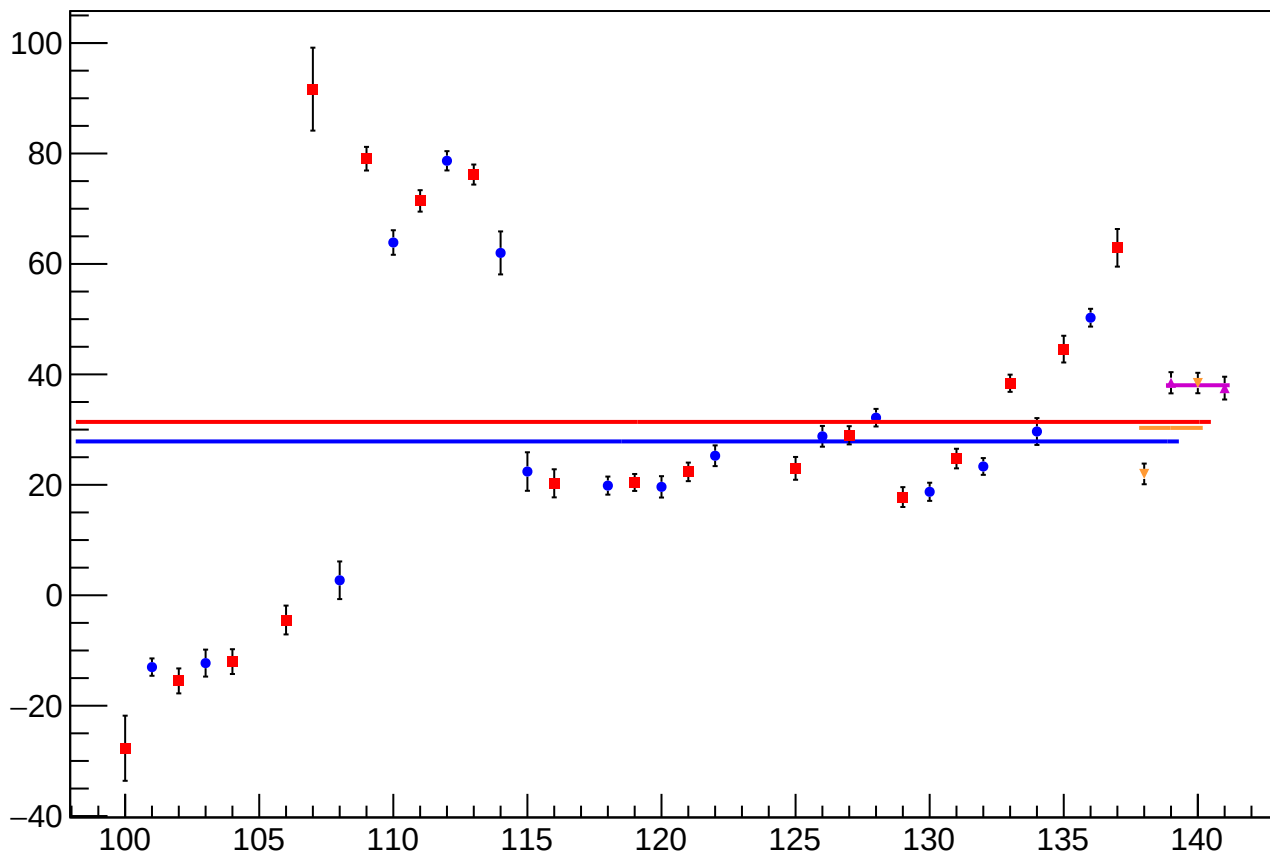
Left In: 6.361 $\pm$ 1.344 χ^2/NDF : 0.2/1

+ sign 9.588 $\pm$ 0.402 χ^2/NDF : 354.8/17

All: 9.762 $\pm$ 0.288 χ^2/NDF : 626.7/37

- sign 9.948 $\pm$ 0.414 χ^2/NDF : 271.5/19

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

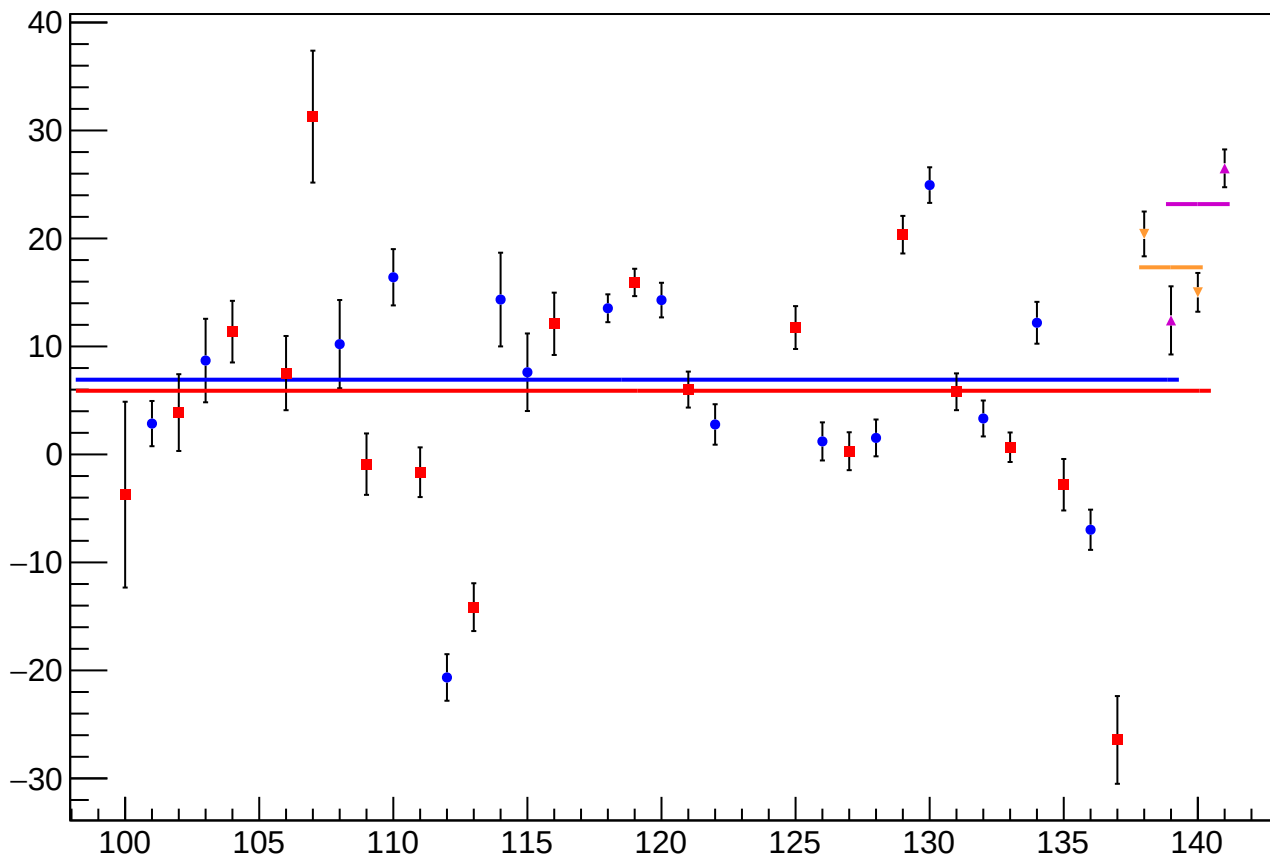
Left In: 38.033 $\pm$ 1.406 χ^2 /NDF: 0.1/1

+ sign 28.150 $\pm$ 0.453 χ^2 /NDF: 2516.2/17

All: 30.095 $\pm$ 0.323 χ^2 /NDF: 5585.1/37

- sign 32.107 $\pm$ 0.461 χ^2 /NDF: 3031.5/19

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922 $\pm$ 0.496 χ^2/NDF : 444.3/15

Left Out: 17.329 $\pm$ 1.358 χ^2/NDF : 3.9/1

Right Out: 5.896 $\pm$ 0.502 χ^2/NDF : 367.7/17

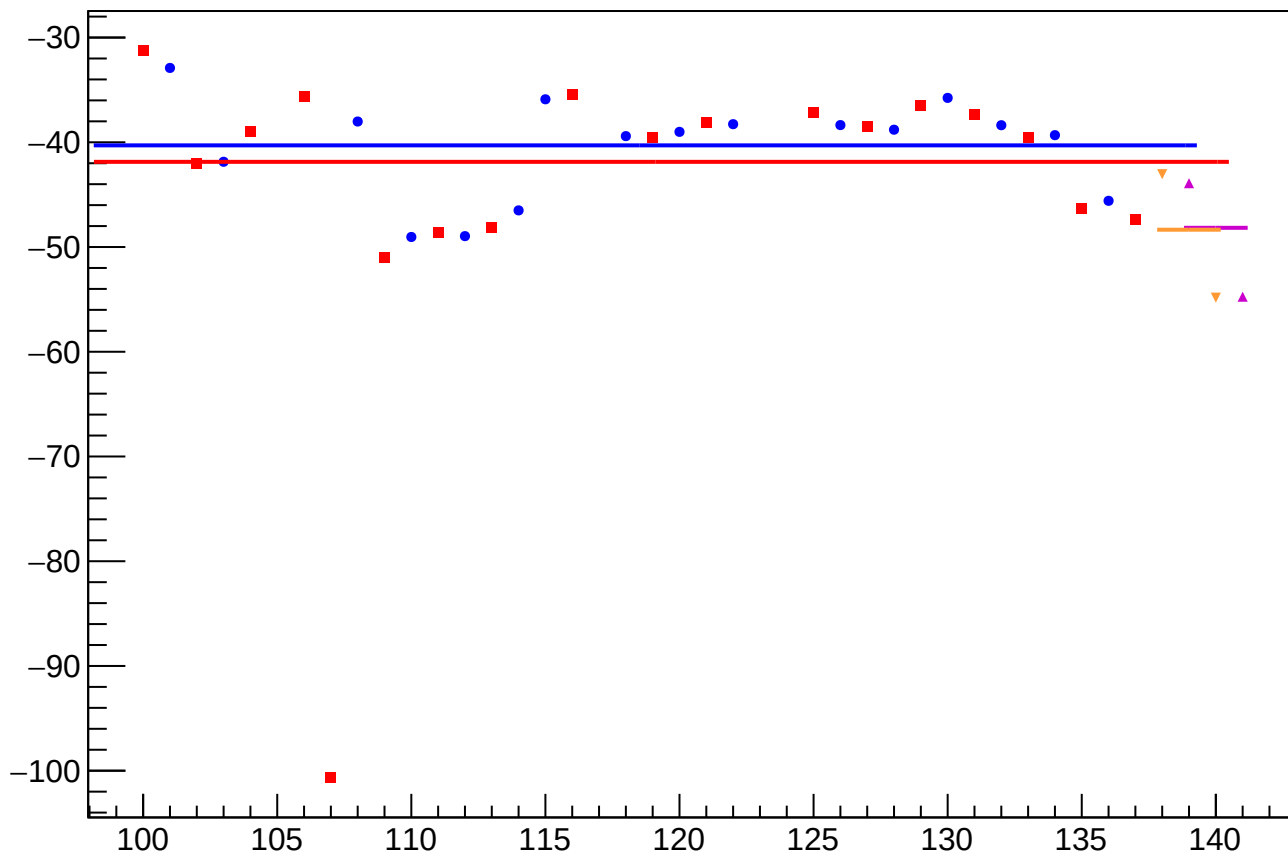
Left In: 23.182 $\pm$ 1.531 χ^2/NDF : 15.2/1

+ sign 8.145 $\pm$ 0.466 χ^2/NDF : 500.1/17

All: 7.866 $\pm$ 0.333 χ^2/NDF : 998.8/37

- sign 7.573 $\pm$ 0.477 χ^2/NDF : 498.0/19

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293 ± 0.031 χ^2/NDF : 20663.5/15

Left Out: -48.347 ± 0.055 χ^2/NDF : 11269.0/1

Right Out: -41.867 ± 0.032 χ^2/NDF : 58734.8/17

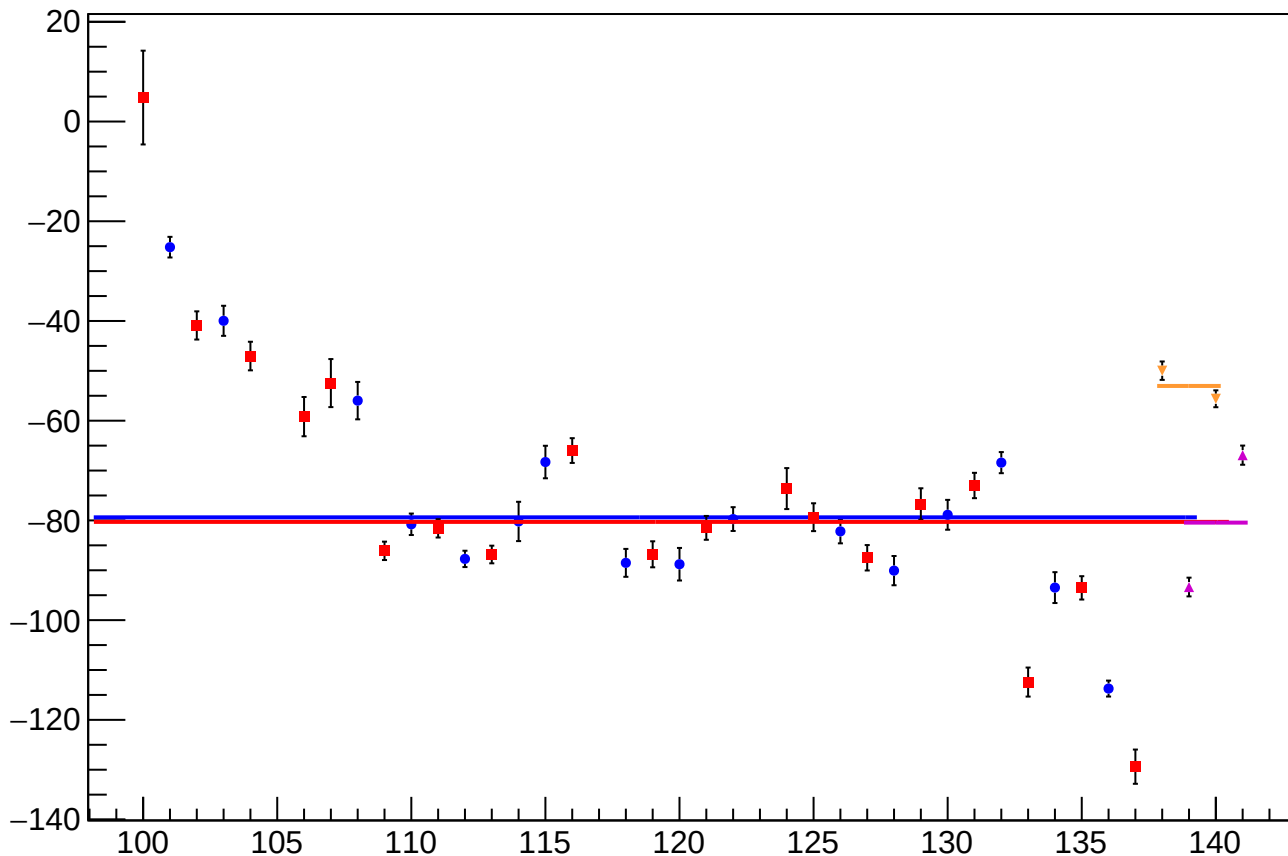
Left In: -48.166 ± 0.053 χ^2/NDF : 9975.9/1

+ sign -42.260 ± 0.027 χ^2/NDF : 47999.2/17

All: -42.905 ± 0.019 χ^2/NDF : 128166.9/37

- sign -43.558 ± 0.027 χ^2/NDF : 79043.4/19

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382 ± 0.611 χ^2/NDF : 1475.9/15

Left Out: -53.032 ± 1.248 χ^2/NDF : 5.1/1

Right Out: -80.294 ± 0.604 χ^2/NDF : 914.7/18

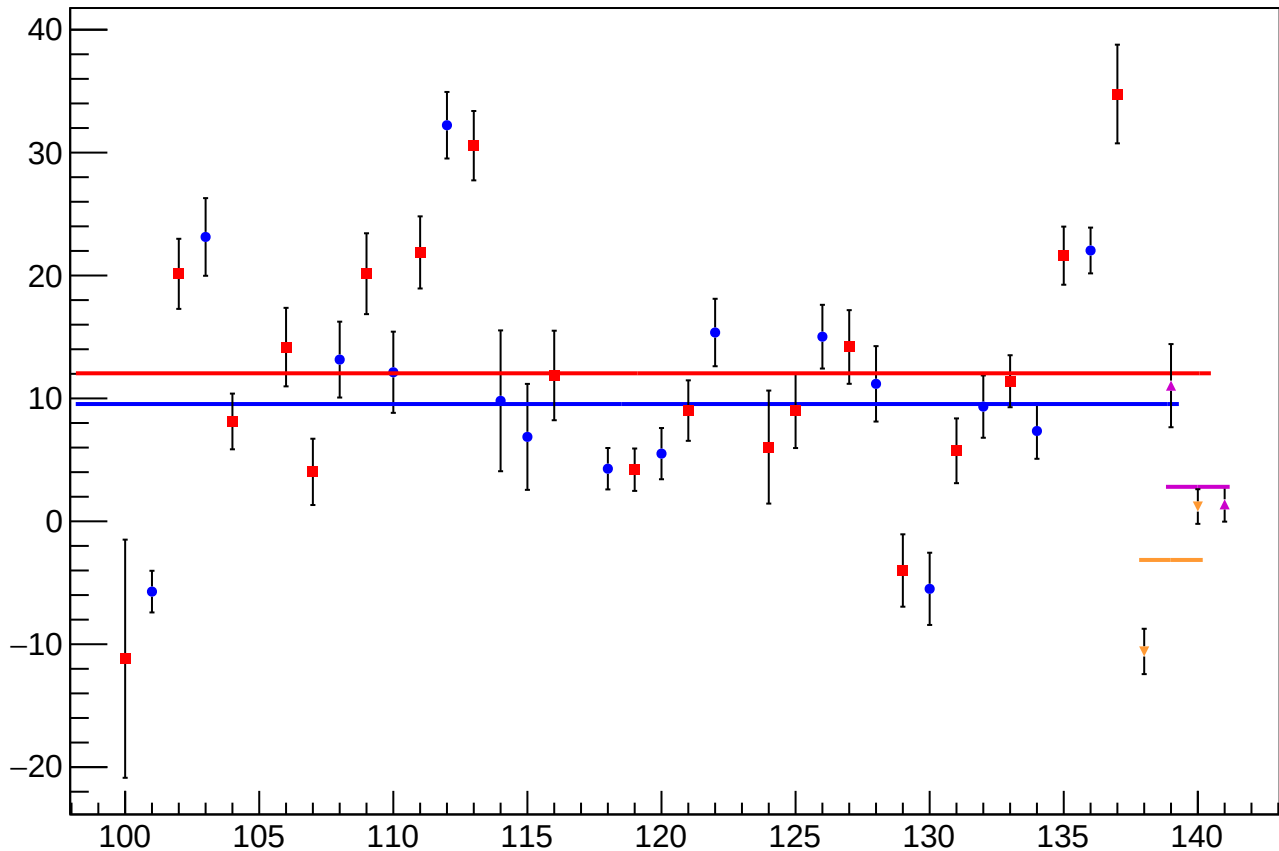
Left In: -80.442 ± 1.344 χ^2/NDF : 96.7/1

+ sign -74.284 ± 0.549 χ^2/NDF : 1840.7/17

All: -77.290 ± 0.389 χ^2/NDF : 2912.4/38

- sign -80.319 ± 0.551 χ^2/NDF : 1011.4/20

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543 $\pm$ 0.621 χ^2/NDF : 267.1/15

Left Out: -3.142 $\pm$ 1.120 χ^2/NDF : 25.8/1

Right Out: 12.044 $\pm$ 0.637 χ^2/NDF : 195.8/18

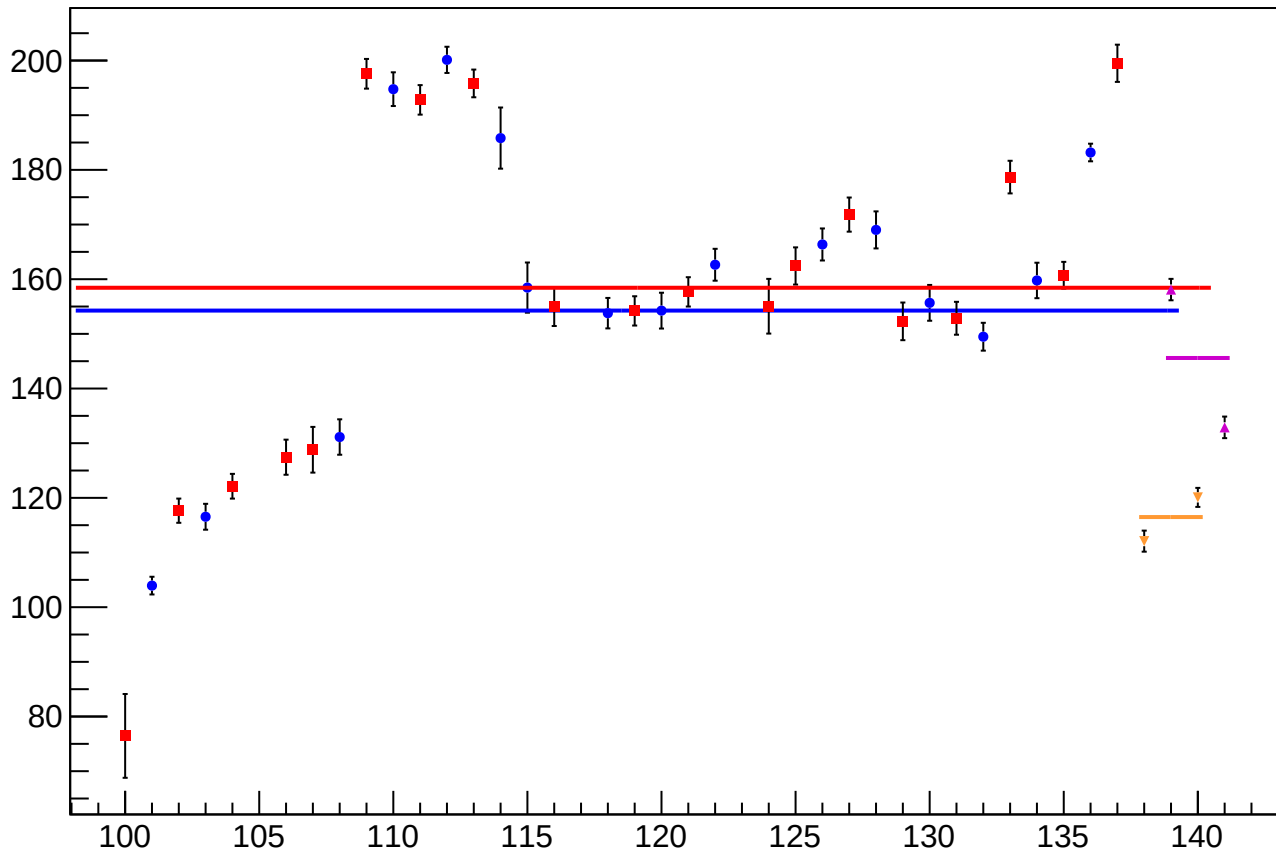
Left In: 2.807 $\pm$ 1.300 χ^2/NDF : 6.9/1

+ sign 6.558 $\pm$ 0.543 χ^2/NDF : 391.0/17

All: 8.312 $\pm$ 0.394 χ^2/NDF : 656.4/38

- sign 10.256 $\pm$ 0.572 χ^2/NDF : 243.5/20

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

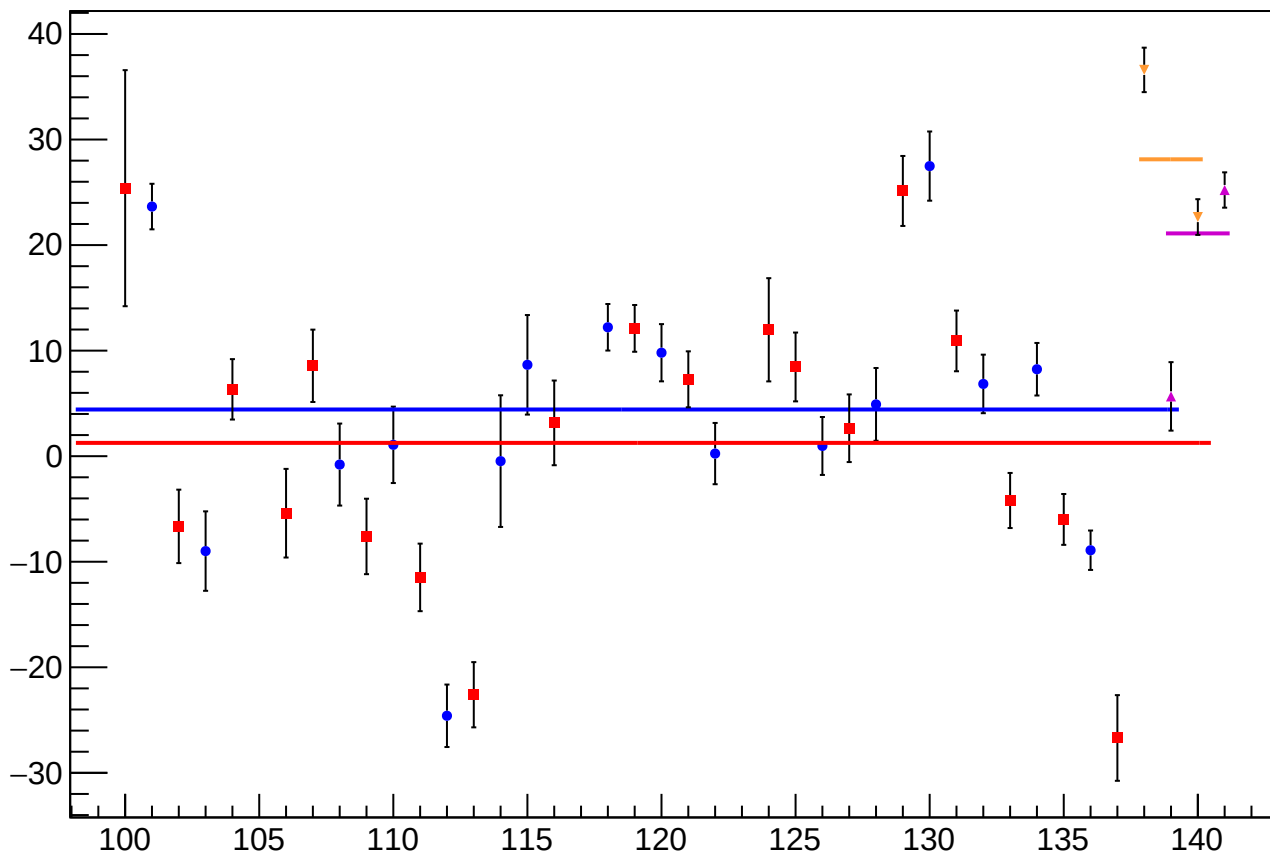
Left In: 145.588 $\pm$ 1.390 χ^2 /NDF: 82.2/1

+ sign 146.406 $\pm$ 0.589 χ^2 /NDF: 2900.7/17

All: 150.984 $\pm$ 0.425 χ^2 /NDF: 4841.7/38

- sign 155.939 $\pm$ 0.613 χ^2 /NDF: 1815.2/20

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

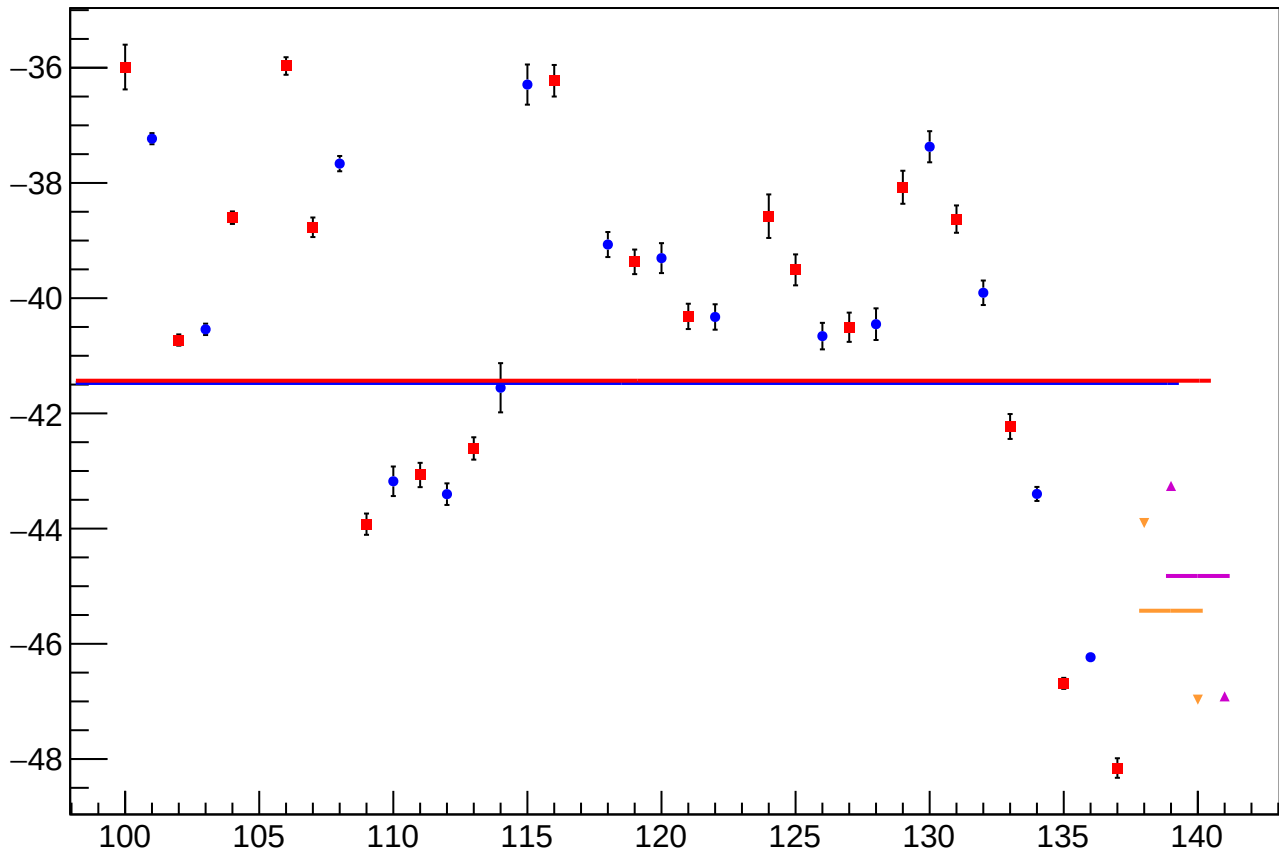
Left In: 21.107 $\pm$ 1.488 χ^2 /NDF: 28.7/1

+ sign 9.793 $\pm$ 0.628 χ^2 /NDF: 592.3/17

All: 7.563 $\pm$ 0.454 χ^2 /NDF: 1055.6/38

- sign 5.125 $\pm$ 0.657 χ^2 /NDF: 436.9/20

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472 ± 0.038 χ^2/NDF : 7912.0/15

Left Out: -45.426 ± 0.055 χ^2/NDF : 787.2/1

Right Out: -41.433 ± 0.040 χ^2/NDF : 8225.4/18

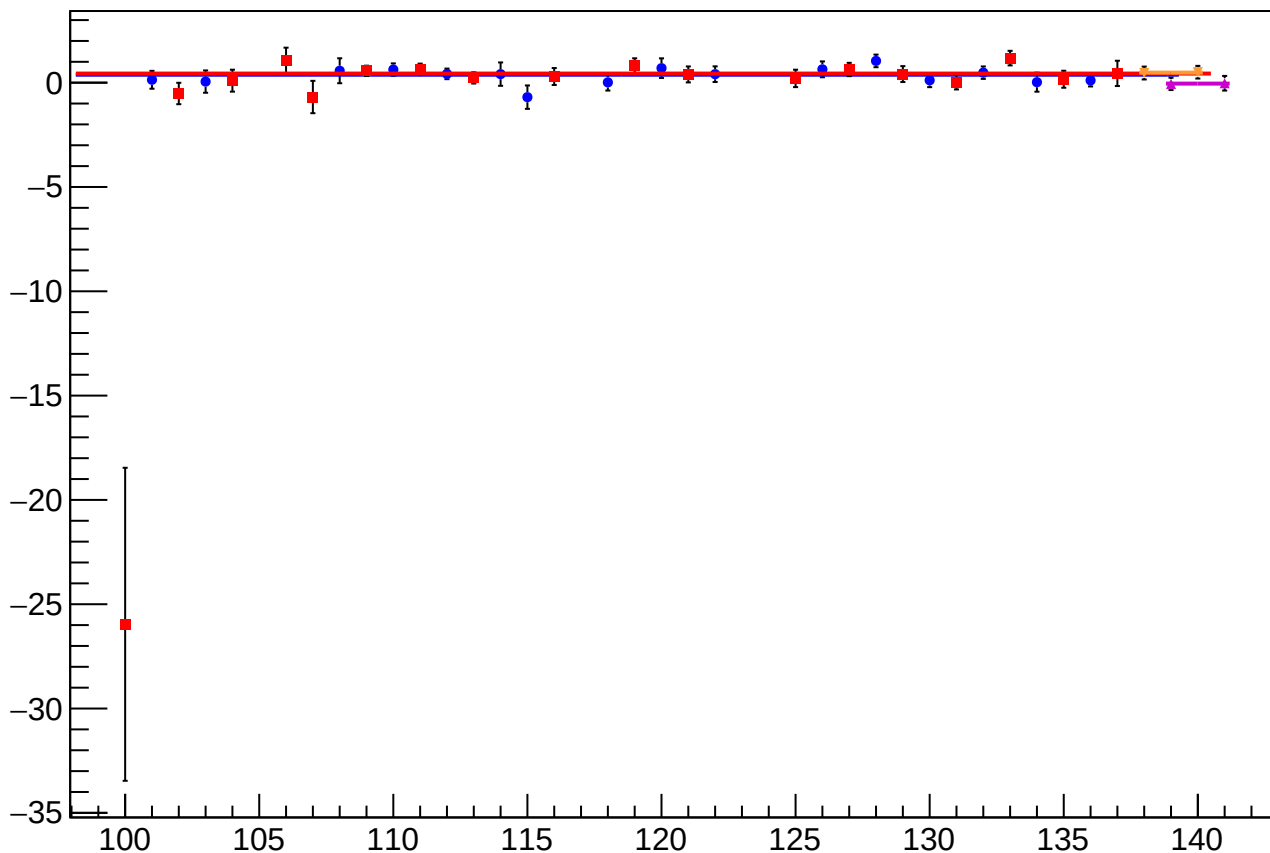
Left In: -44.822 ± 0.053 χ^2/NDF : 1169.2/1

+ sign -42.766 ± 0.031 χ^2/NDF : 12221.8/17

All: -42.708 ± 0.022 χ^2/NDF : 24261.8/38

- sign -42.648 ± 0.032 χ^2/NDF : 12033.0/20

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382 ± 0.092 χ^2/NDF : 14.0/15

Left Out: 0.482 ± 0.217 χ^2/NDF : 0.0/1

Right Out: 0.436 ± 0.090 χ^2/NDF : 29.0/17

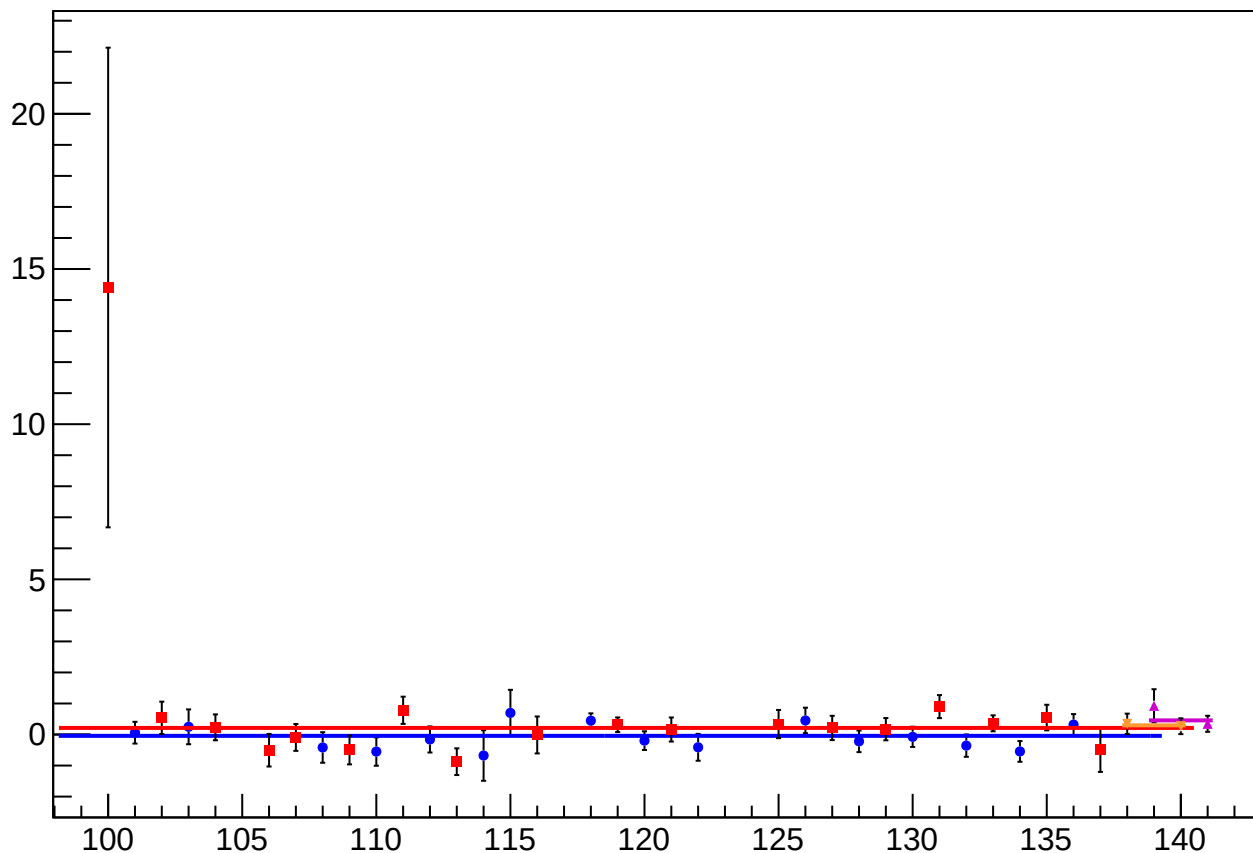
Left In: -0.045 ± 0.226 χ^2/NDF : 0.0/1

+ sign 0.397 ± 0.085 χ^2/NDF : 14.2/17

All: 0.384 ± 0.060 χ^2/NDF : 47.1/37

- sign 0.370 ± 0.084 χ^2/NDF : 32.9/19

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043 ± 0.094 χ^2/NDF : 15.0/15

Left Out: 0.296 ± 0.201 χ^2/NDF : 0.0/1

Right Out: 0.213 ± 0.095 χ^2/NDF : 22.4/17

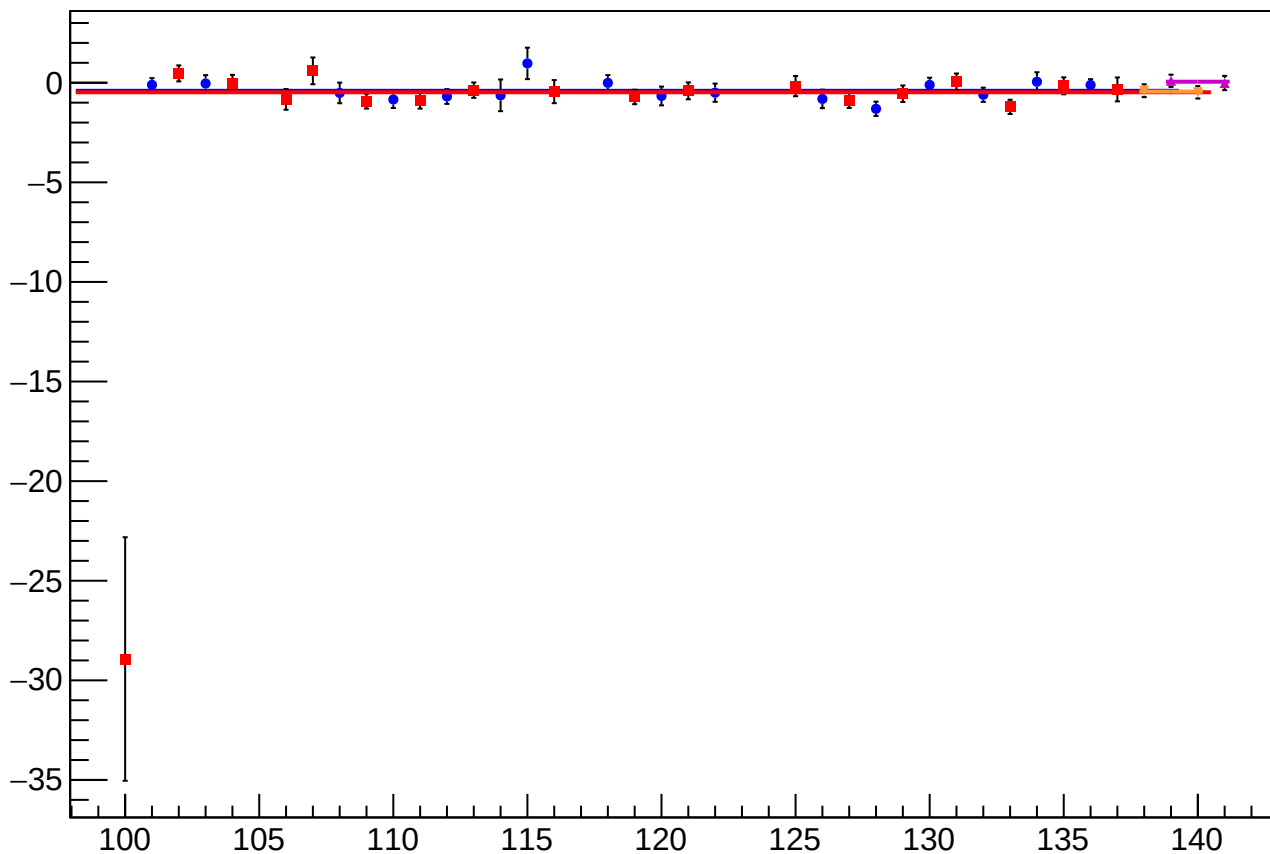
Left In: 0.456 ± 0.233 χ^2/NDF : 1.0/1

+ sign 0.018 ± 0.085 χ^2/NDF : 17.4/17

All: 0.129 ± 0.061 χ^2/NDF : 45.2/37

- sign 0.248 ± 0.088 χ^2/NDF : 24.3/19

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406 ± 0.103 χ^2/NDF : 17.8/15

Left Out: -0.442 ± 0.224 χ^2/NDF : 0.0/1

Right Out: -0.478 ± 0.104 χ^2/NDF : 42.3/17

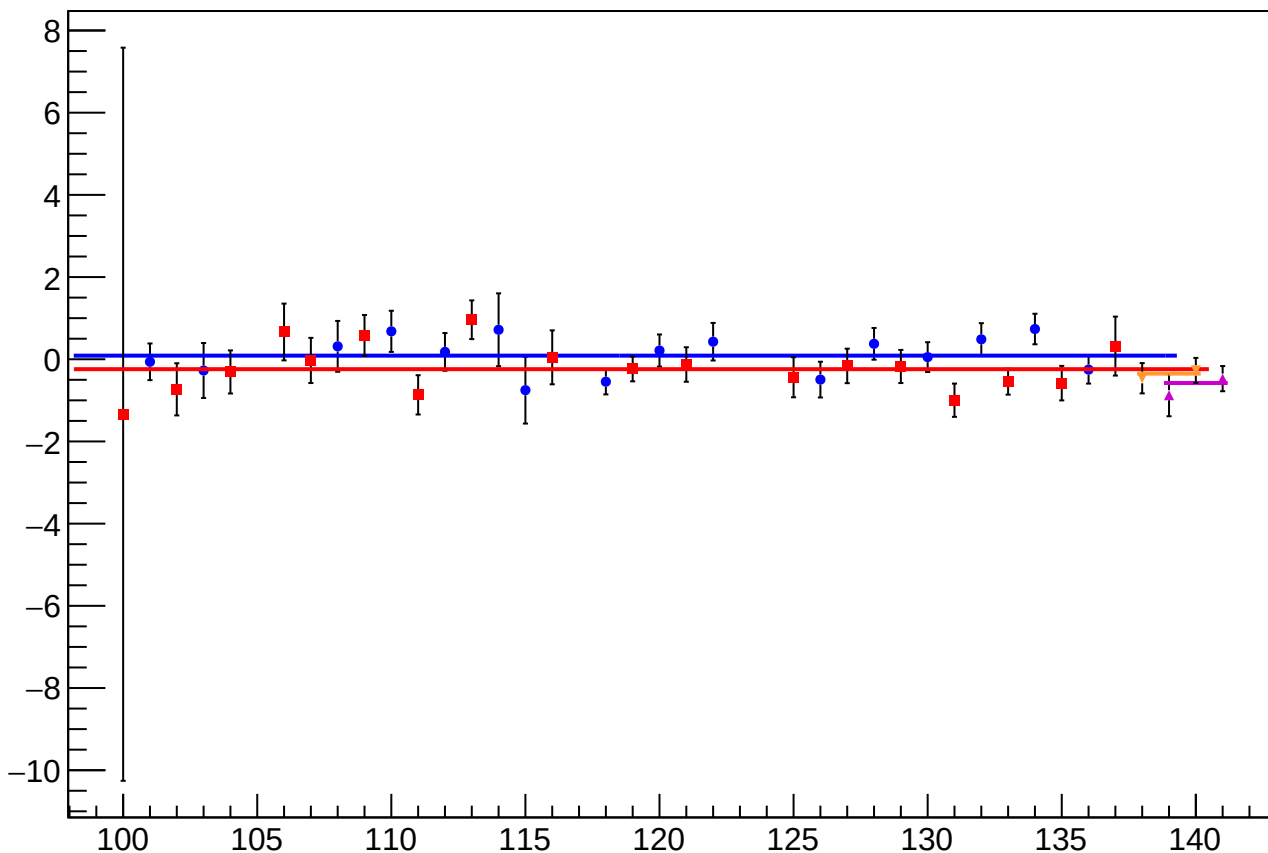
Left In: 0.051 ± 0.234 χ^2/NDF : 0.1/1

+ sign -0.412 ± 0.094 χ^2/NDF : 17.8/17

All: -0.401 ± 0.067 χ^2/NDF : 64.4/37

- sign -0.390 ± 0.095 χ^2/NDF : 46.6/19

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088 ± 0.108 χ^2/NDF : 15.9/15

Left Out: -0.349 ± 0.235 χ^2/NDF : 0.2/1

Right Out: -0.241 ± 0.110 χ^2/NDF : 19.6/17

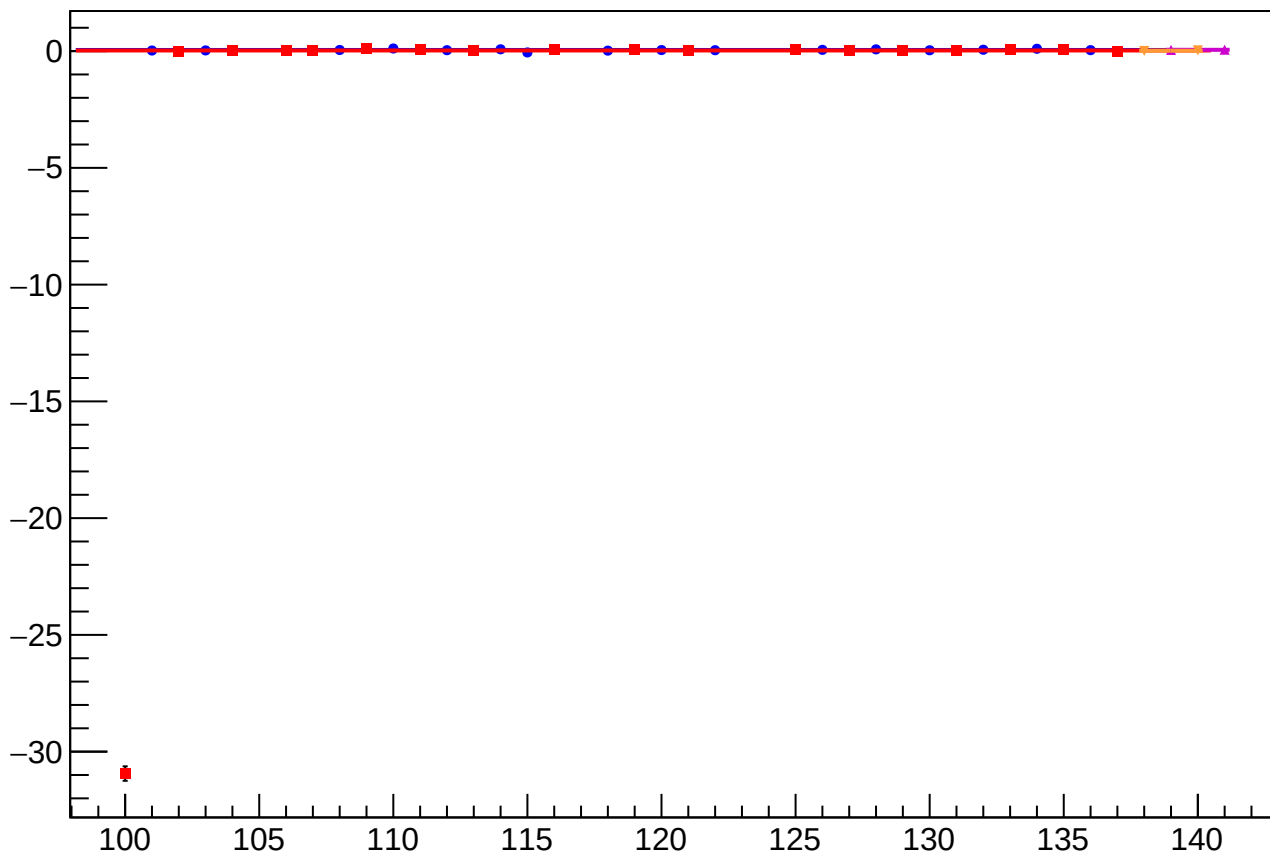
Left In: -0.578 ± 0.263 χ^2/NDF : 0.5/1

+ sign 0.011 ± 0.098 χ^2/NDF : 18.9/17

All: -0.136 ± 0.071 χ^2/NDF : 44.9/37

- sign -0.291 ± 0.101 χ^2/NDF : 21.5/19

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF : 19.2/15

Left Out: 0.018+/-0.009 χ^2/NDF : 1.7/1

Right Out: 0.028+/-0.006 χ^2/NDF : 10020.9/17

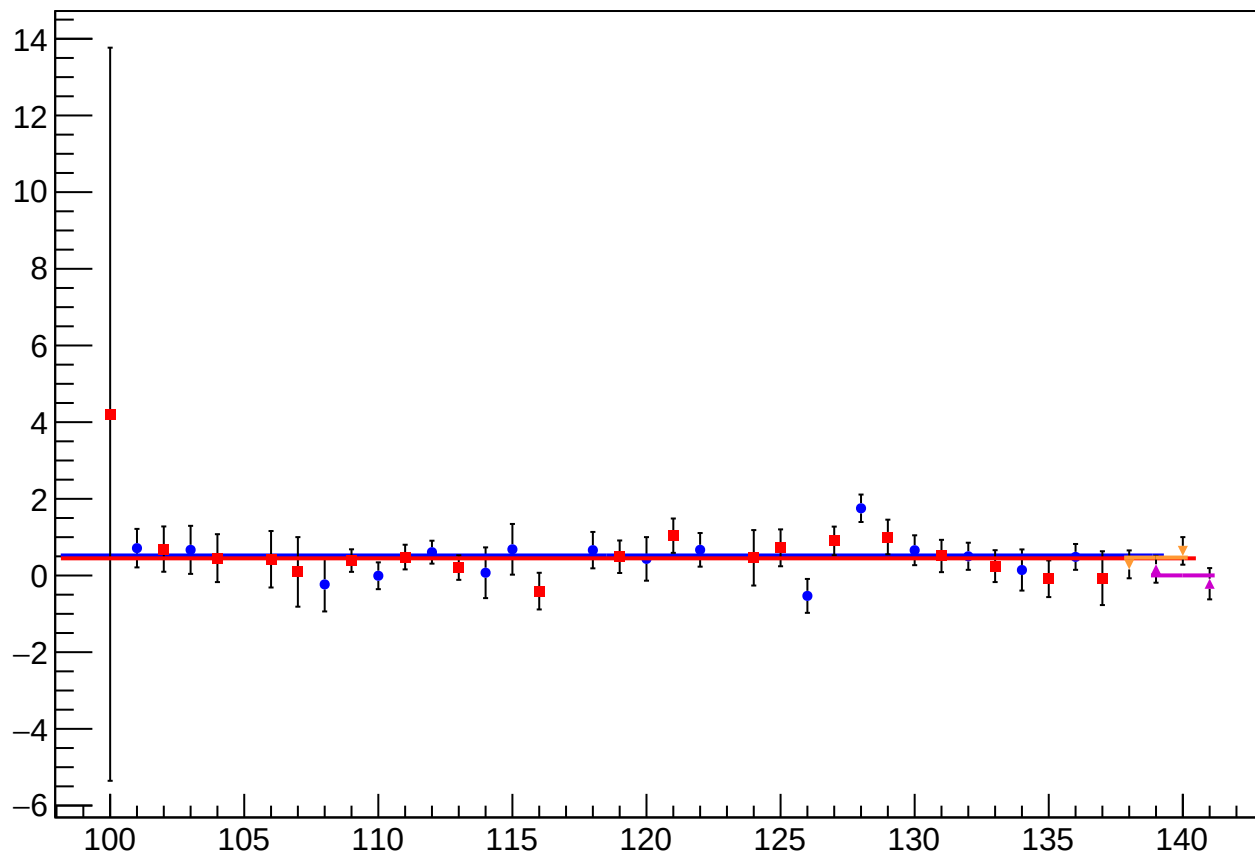
Left In: 0.055+/-0.009 χ^2/NDF : 0.2/1

+ sign 0.039+/-0.005 χ^2/NDF : 28.5/17

All: 0.038+/-0.004 χ^2/NDF : 10056.1/37

- sign 0.037+/-0.005 χ^2/NDF : 10027.6/19

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522 ± 0.108 χ^2/NDF : 22.6/15

Left Out: 0.468 ± 0.256 χ^2/NDF : 0.5/1

Right Out: 0.448 ± 0.105 χ^2/NDF : 11.4/18

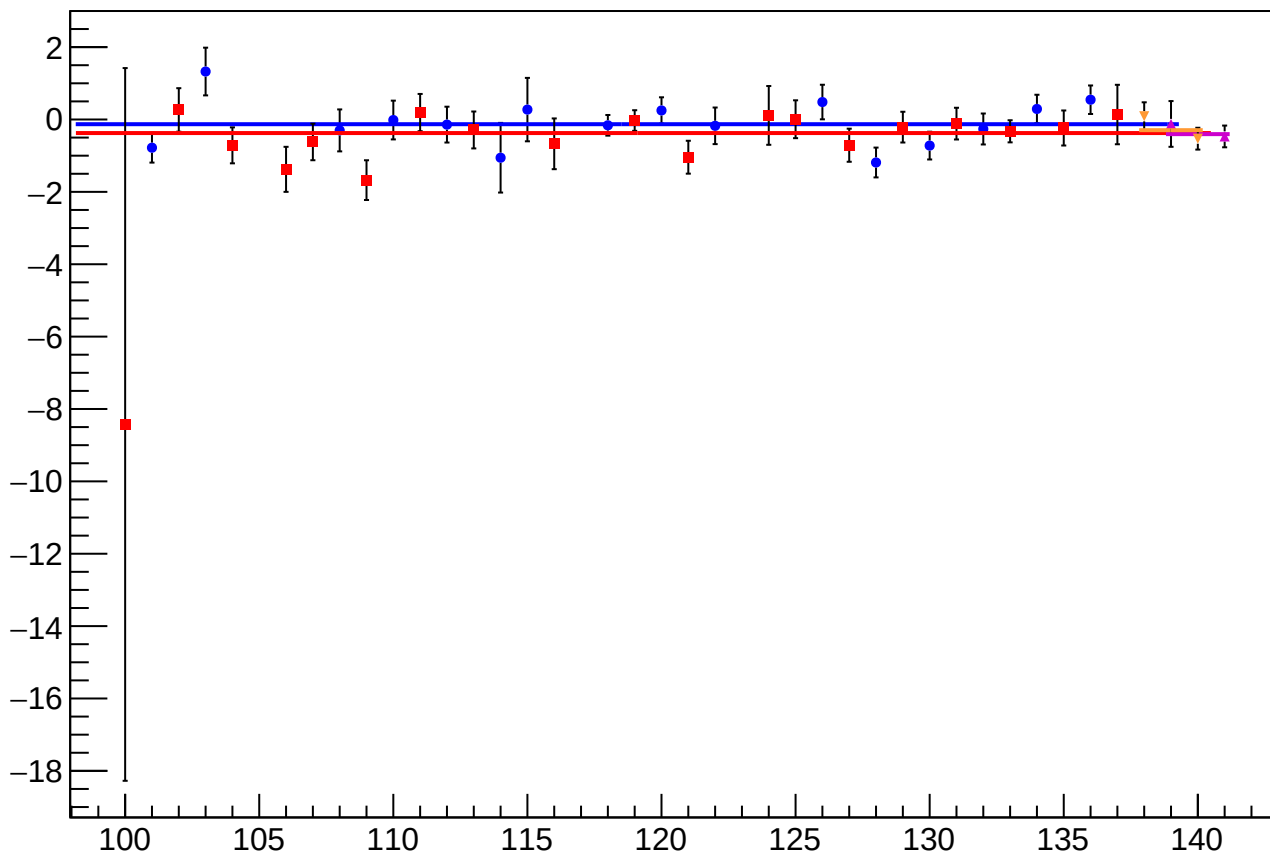
Left In: 0.003 ± 0.266 χ^2/NDF : 0.5/1

+ sign 0.514 ± 0.100 χ^2/NDF : 23.1/17

All: 0.449 ± 0.070 χ^2/NDF : 38.3/38

- sign 0.387 ± 0.098 χ^2/NDF : 14.3/20

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130 ± 0.112 χ^2/NDF : 24.6/15

Left Out: -0.295 ± 0.238 χ^2/NDF : 1.6/1

Right Out: -0.375 ± 0.111 χ^2/NDF : 18.2/18

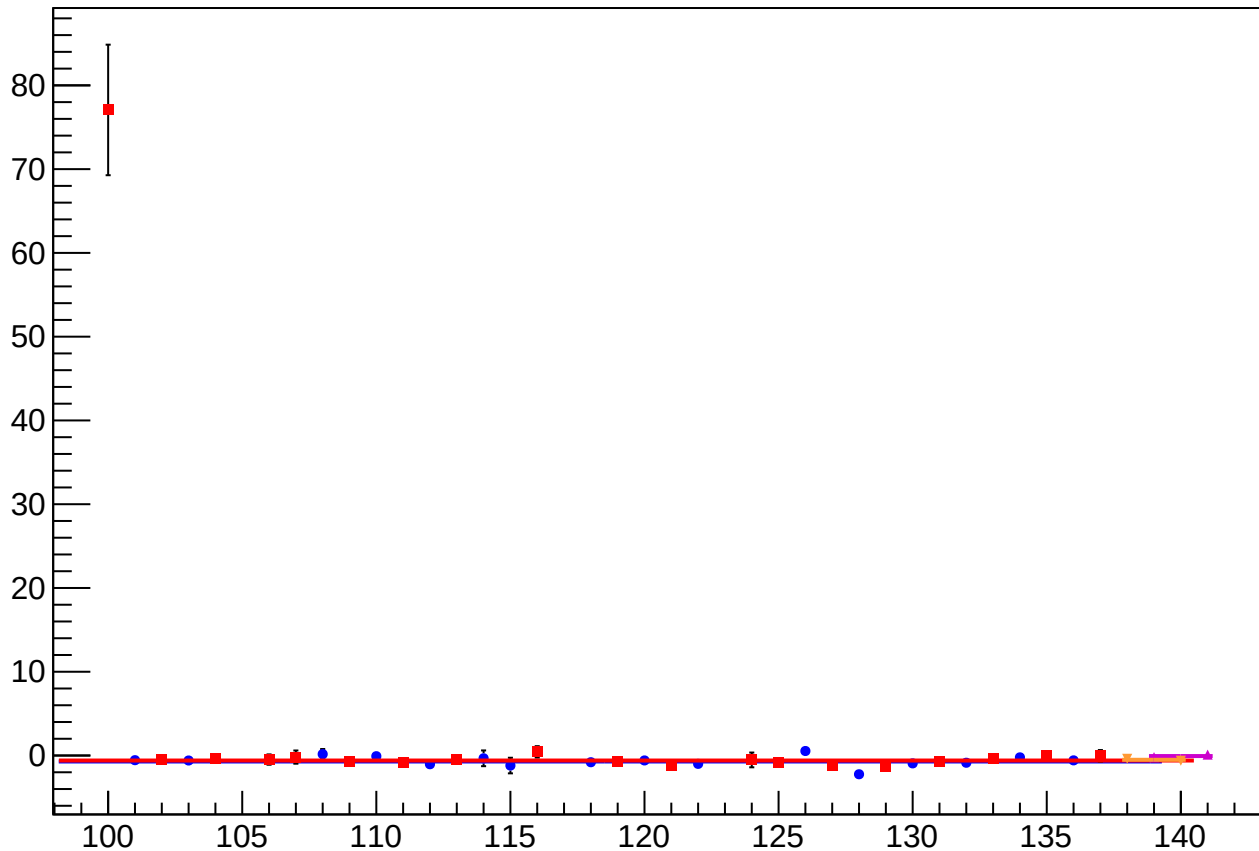
Left In: -0.405 ± 0.271 χ^2/NDF : 0.2/1

+ sign -0.160 ± 0.101 χ^2/NDF : 26.6/17

All: -0.267 ± 0.072 χ^2/NDF : 47.3/38

- sign -0.379 ± 0.103 χ^2/NDF : 18.5/20

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713 ± 0.122 χ^2/NDF : 24.9/15

Left Out: -0.511 ± 0.265 χ^2/NDF : 0.2/1

Right Out: -0.597 ± 0.122 χ^2/NDF : 110.9/18

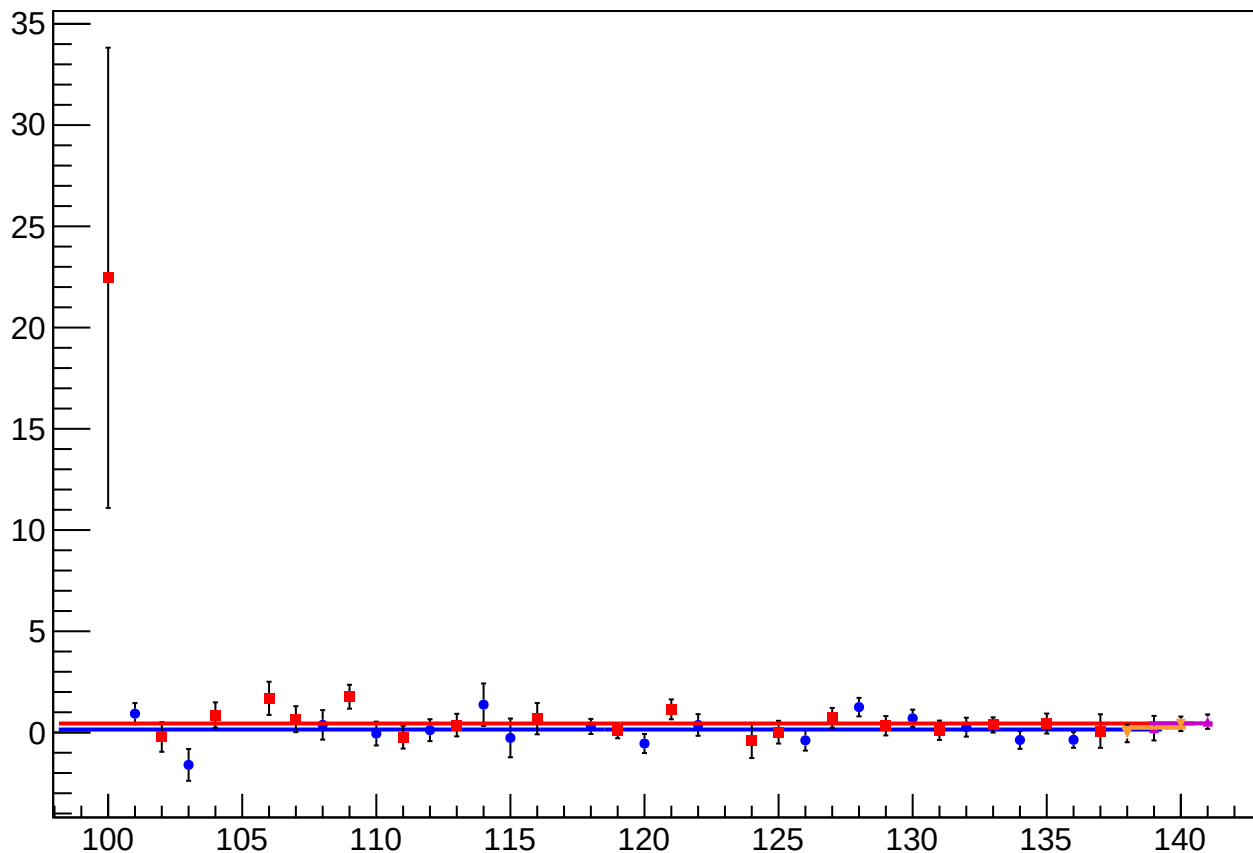
Left In: -0.065 ± 0.275 χ^2/NDF : 0.3/1

+ sign -0.677 ± 0.110 χ^2/NDF : 25.6/17

All: -0.594 ± 0.078 χ^2/NDF : 141.1/38

- sign -0.510 ± 0.111 χ^2/NDF : 114.4/20

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148 $\pm$ 0.128 χ^2 /NDF: 23.3/15

Left Out: 0.234 $\pm$ 0.277 χ^2 /NDF: 0.7/1

Right Out: 0.445 $\pm$ 0.128 χ^2 /NDF: 19.7/18

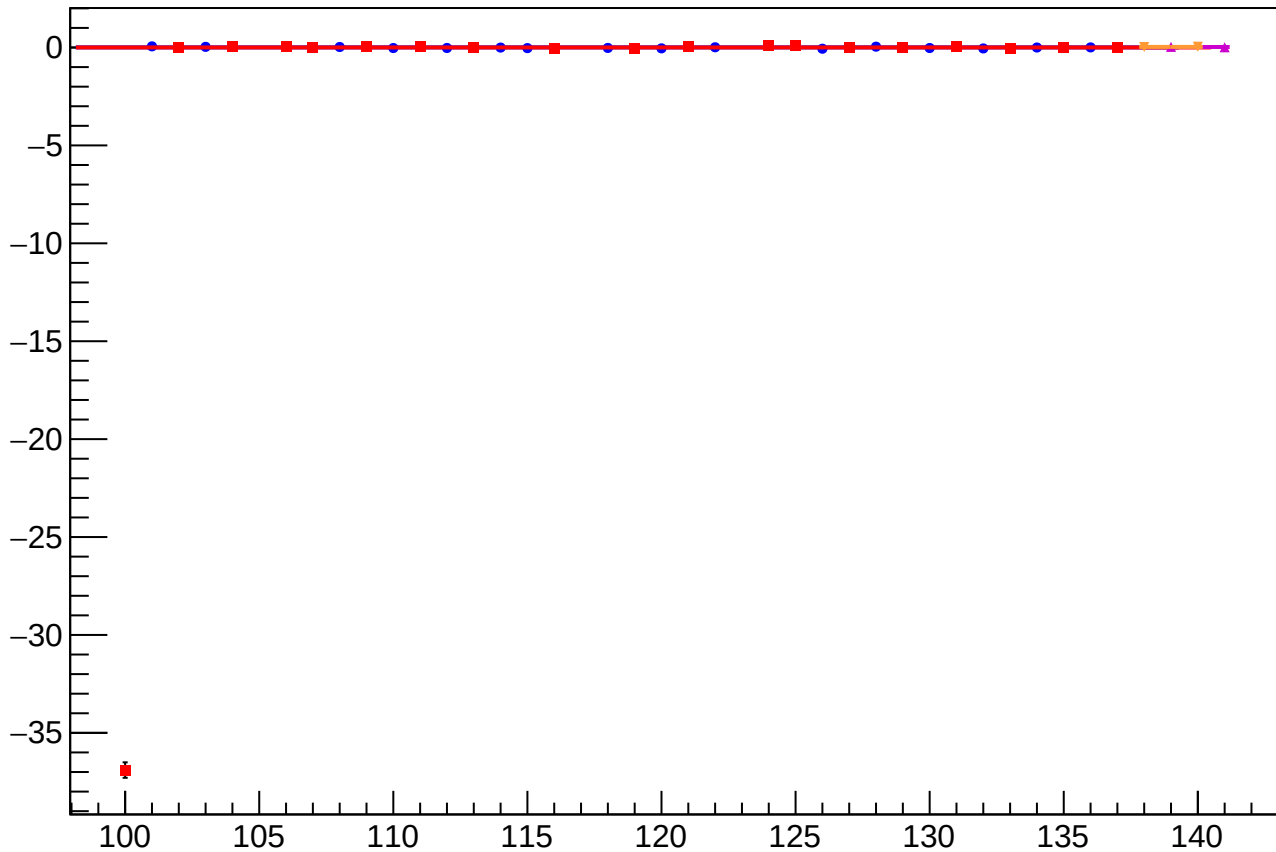
Left In: 0.454 $\pm$ 0.307 χ^2 /NDF: 0.2/1

+ sign 0.163 $\pm$ 0.116 χ^2 /NDF: 24.1/17

All: 0.302 $\pm$ 0.083 χ^2 /NDF: 46.9/38

- sign 0.446 $\pm$ 0.118 χ^2 /NDF: 19.9/20

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

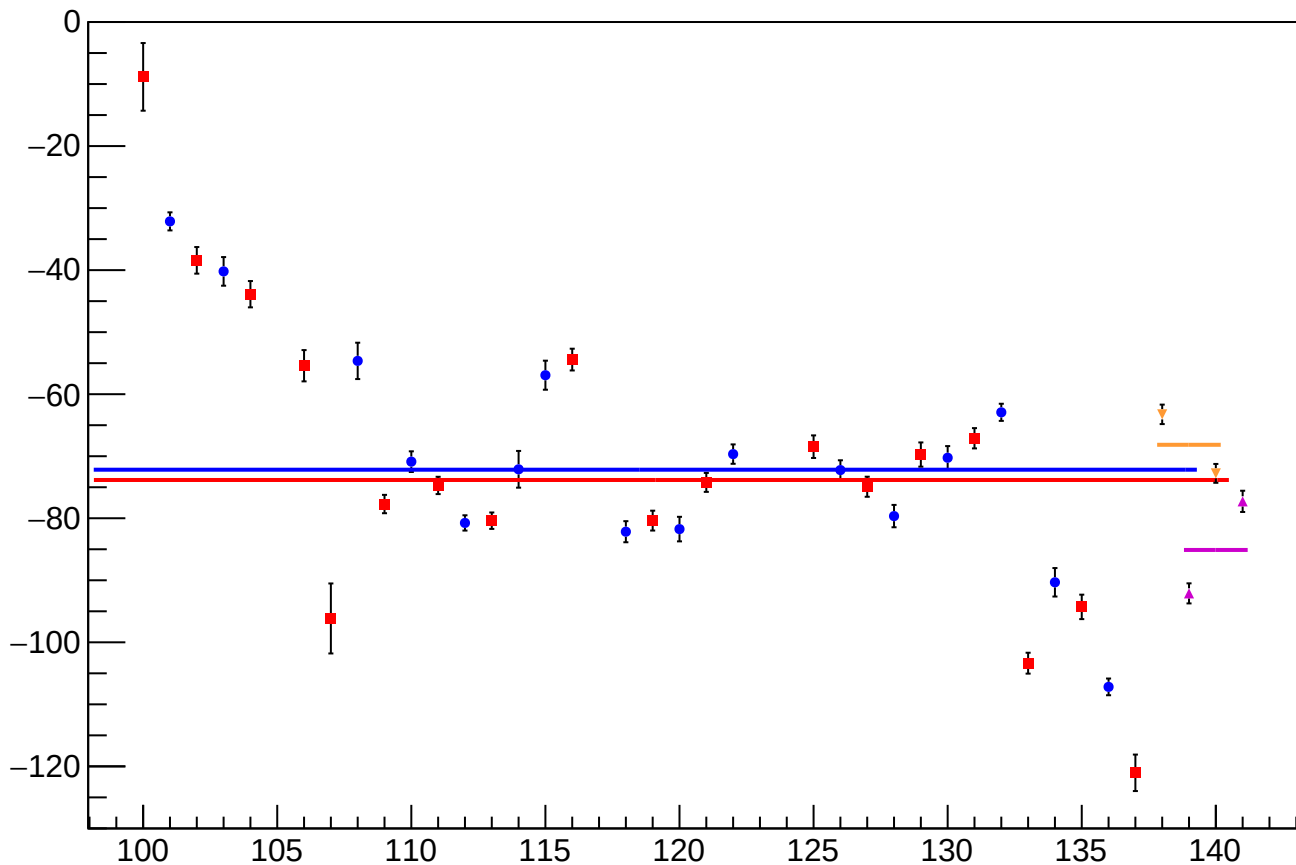
Left In: 0.025 $\pm$ 0.010 χ^2 /NDF: 1.0/1

+ sign 0.014 $\pm$ 0.006 χ^2 /NDF: 21.5/17

All: 0.012 $\pm$ 0.004 χ^2 /NDF: 8779.3/38

- sign 0.010 $\pm$ 0.006 χ^2 /NDF: 8757.6/20

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173 ± 0.432 χ^2/NDF : 1936.0/15

Left Out: -68.158 ± 1.092 χ^2/NDF : 19.0/1

Right Out: -73.831 ± 0.431 χ^2/NDF : 1557.7/17

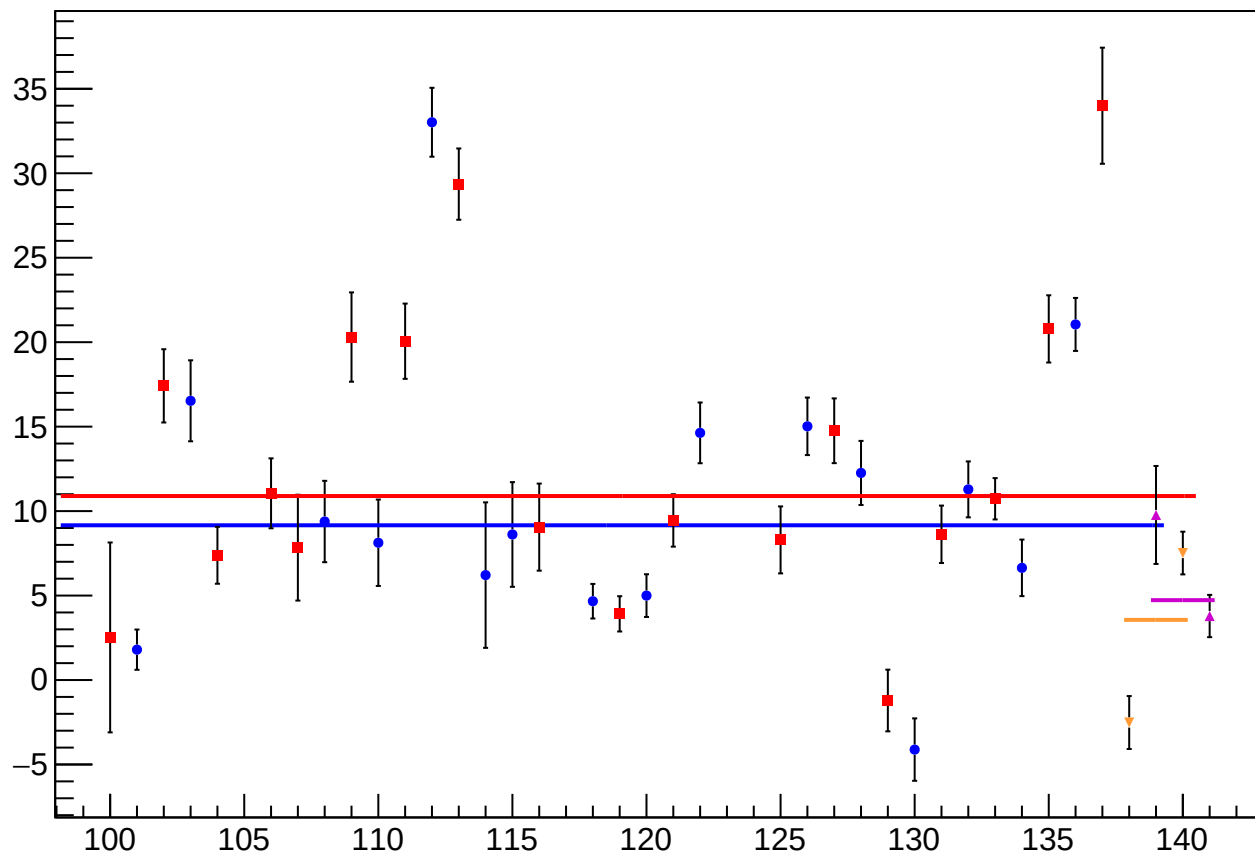
Left In: -85.111 ± 1.176 χ^2/NDF : 39.7/1

+ sign -71.629 ± 0.402 χ^2/NDF : 1966.6/17

All: -73.385 ± 0.285 χ^2/NDF : 3683.6/37

- sign -75.164 ± 0.404 χ^2/NDF : 1678.5/19

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

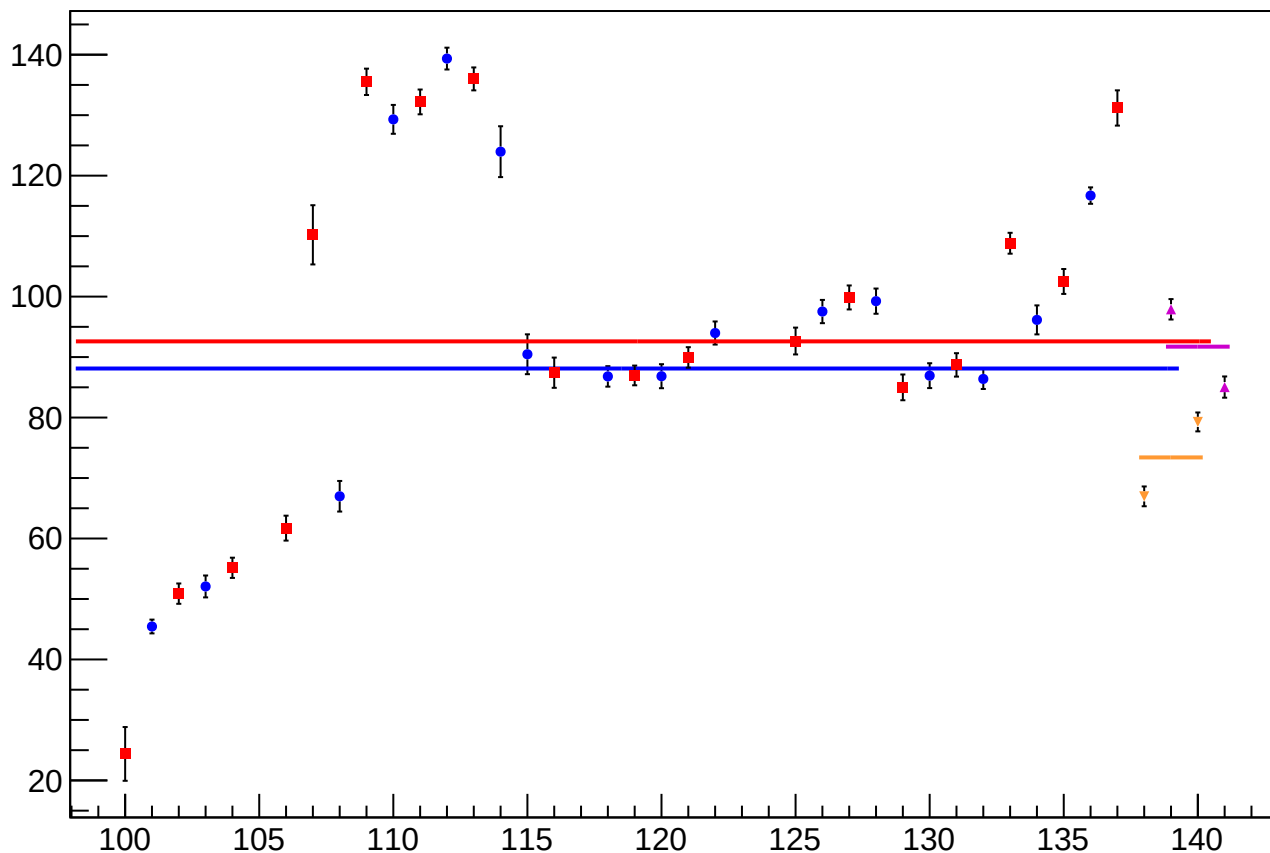
Left In: 4.728 $\pm$ 1.149 χ^2 /NDF:3.6/1

+ sign 8.280 $\pm$ 0.390 χ^2 /NDF: 404.2/17

All: 9.145 $\pm$ 0.283 χ^2 /NDF: 733.4/37

- sign 10.104 $\pm$ 0.411 χ^2 /NDF: 318.9/19

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109 $\pm$ 0.469 χ^2 /NDF: 3561.7/15

Left Out: 73.407 $\pm$ 1.131 χ^2 /NDF:29.6/1

Right Out: 92.596 $\pm$ 0.483 χ^2 /NDF: 3211.0/17

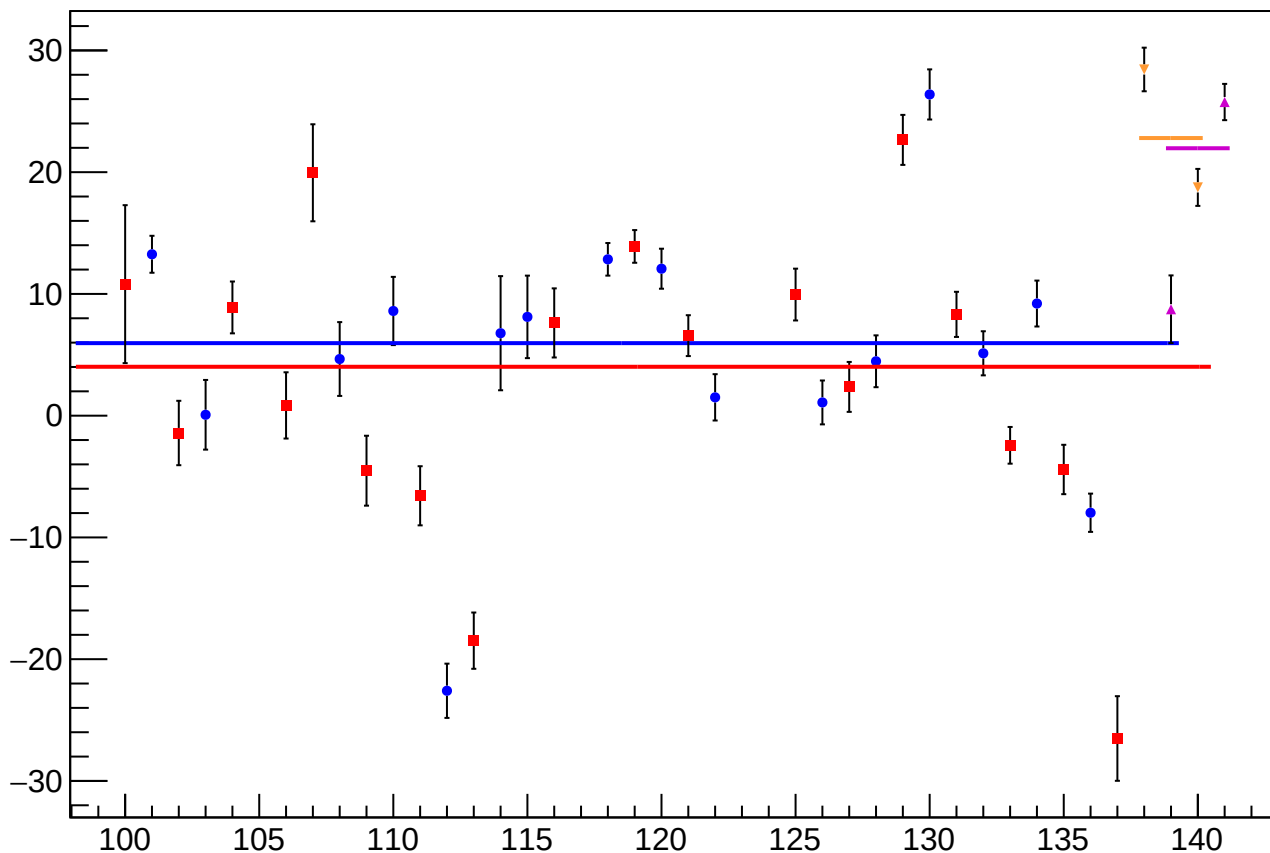
Left In: 91.723 $\pm$ 1.217 χ^2 /NDF:27.9/1

+ sign 85.954 $\pm$ 0.433 χ^2 /NDF: 3735.6/17

All: 89.096 $\pm$ 0.312 χ^2 /NDF: 7084.3/37

- sign 92.478 $\pm$ 0.449 χ^2 /NDF: 3239.3/19

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958 ± 0.495 $\chi^2/\text{NDF}: 426.8/15$

Left Out: 22.803 ± 1.158 $\chi^2/\text{NDF}: 17.0/1$

Right Out: 4.017 ± 0.510 $\chi^2/\text{NDF}: 417.7/17$

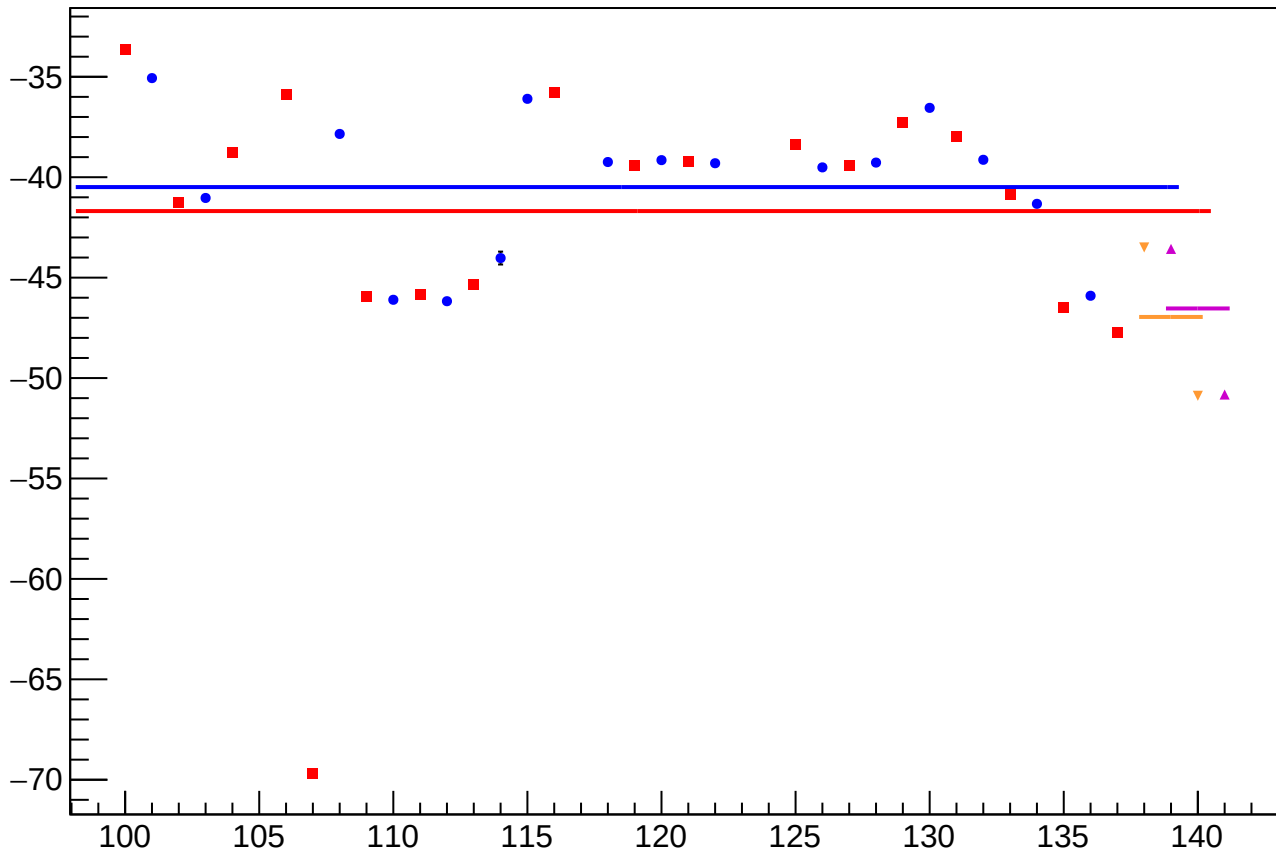
Left In: 21.965 ± 1.313 $\chi^2/\text{NDF}: 29.1/1$

+ sign 8.556 ± 0.455 $\chi^2/\text{NDF}: 622.7/17$

All: 7.509 ± 0.329 $\chi^2/\text{NDF}: 1243.0/37$

- sign 6.367 ± 0.475 $\chi^2/\text{NDF}: 609.3/19$

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 $\chi^2/\text{NDF}: 36838.6/17$

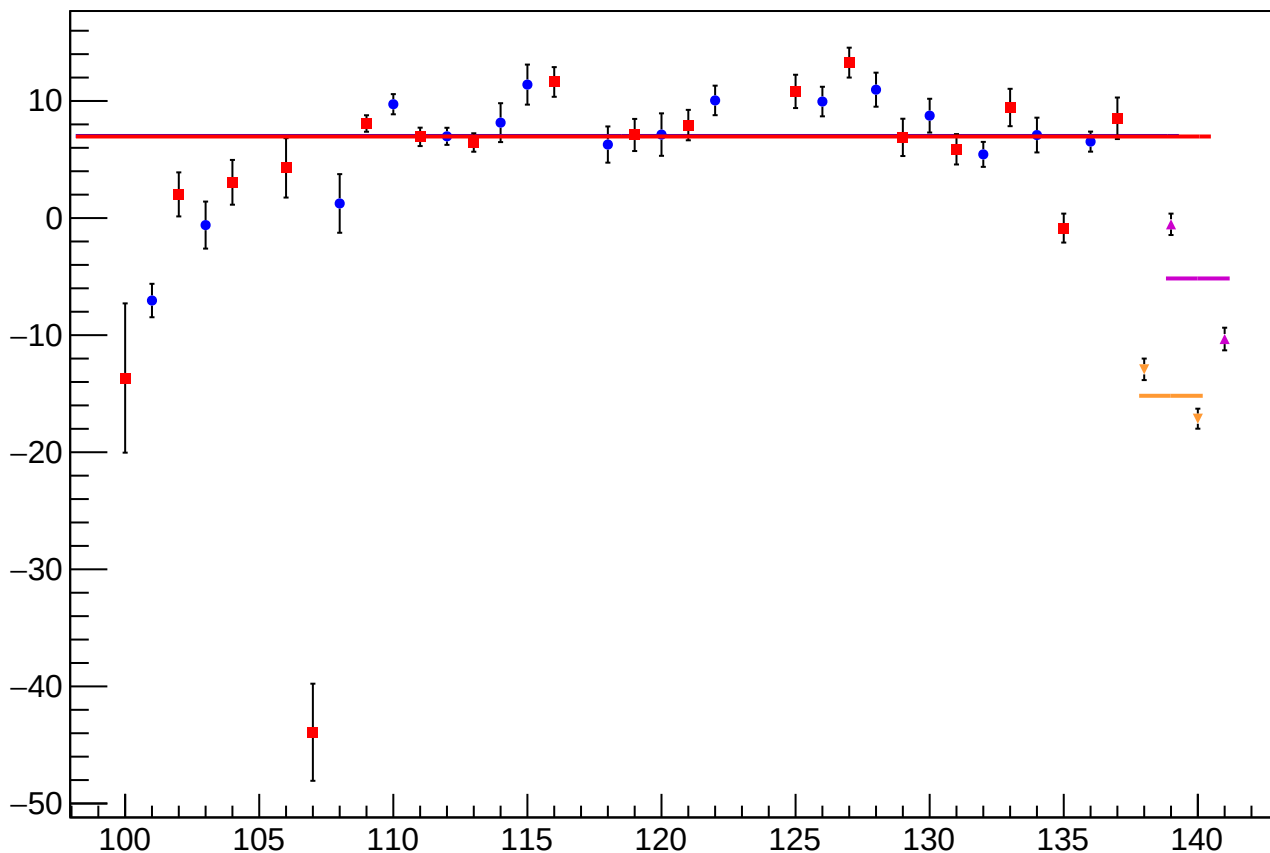
Left In: -46.535 ± 0.046 $\chi^2/\text{NDF}: 5991.1/1$

+ sign -42.174 ± 0.024 $\chi^2/\text{NDF}: 37664.7/17$

All: -42.620 ± 0.017 $\chi^2/\text{NDF}: 89073.4/37$

- sign -43.079 ± 0.025 $\chi^2/\text{NDF}: 50727.3/19$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011 ± 0.309 χ^2/NDF : 156.3/15

Left Out: -15.179 ± 0.626 χ^2/NDF : 11.3/1

Right Out: 6.967 ± 0.298 χ^2/NDF : 266.0/17

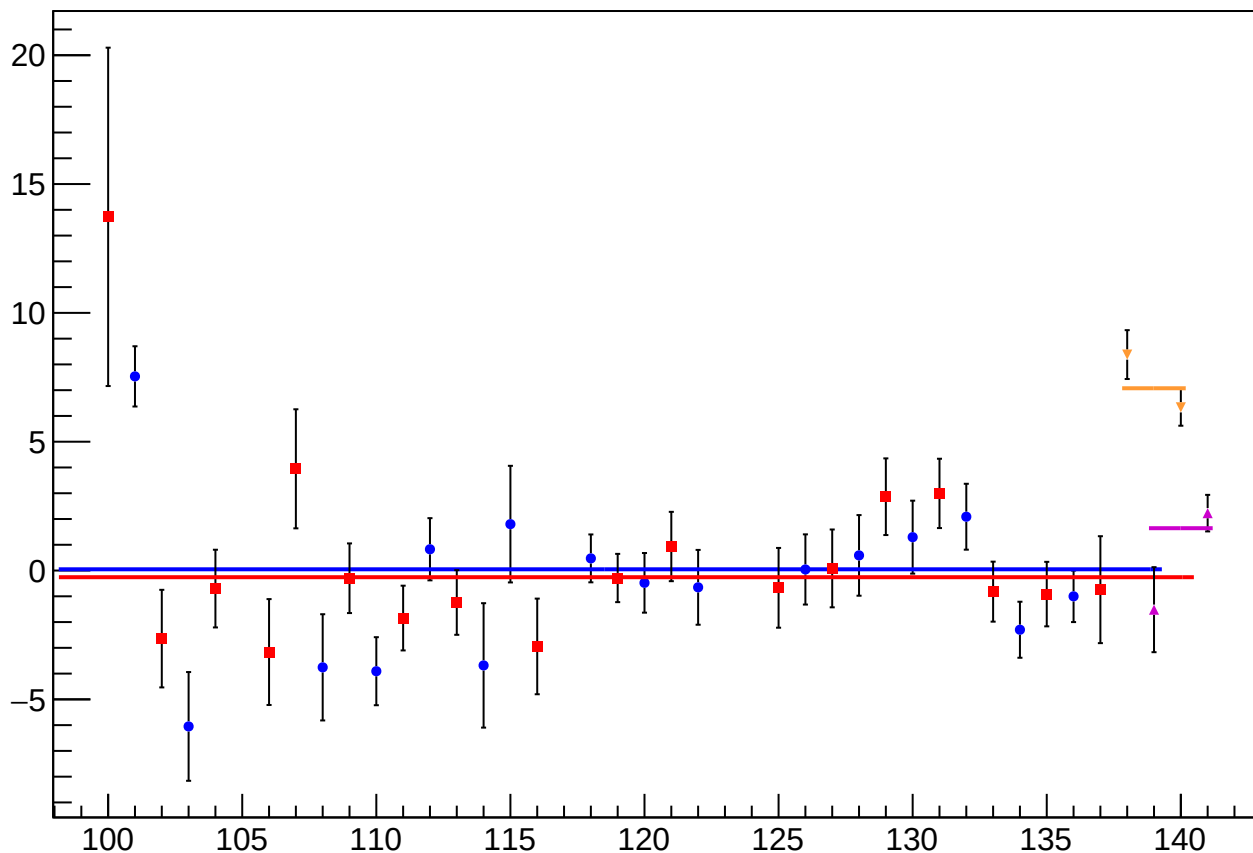
Left In: -5.159 ± 0.664 χ^2/NDF : 54.3/1

+ sign 2.654 ± 0.277 χ^2/NDF : 1178.5/17

All: 3.814 ± 0.194 χ^2/NDF : 1810.8/37

- sign 4.931 ± 0.272 χ^2/NDF : 597.8/19

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048 ± 0.331 χ^2/NDF : 75.0/15

Left Out: 7.074 ± 0.570 χ^2/NDF : 3.0/1

Right Out: -0.259 ± 0.344 χ^2/NDF : 27.5/17

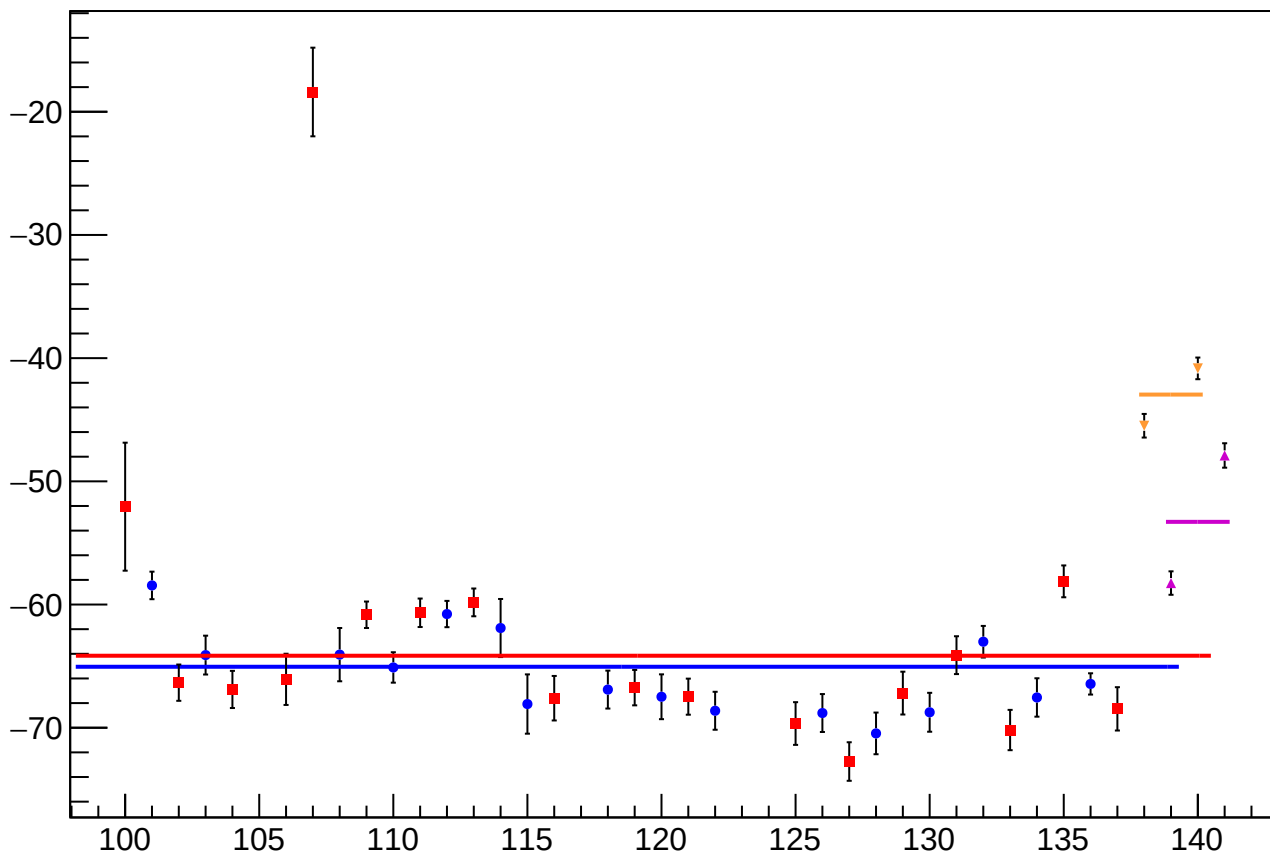
Left In: 1.643 ± 0.652 χ^2/NDF : 4.4/1

+ sign 1.823 ± 0.287 χ^2/NDF : 191.5/17

All: 1.040 ± 0.209 χ^2/NDF : 245.9/37

- sign 0.157 ± 0.304 χ^2/NDF : 38.5/19

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051 ± 0.354 $\chi^2/\text{NDF}: 92.8/15$

Left Out: -42.957 ± 0.648 $\chi^2/\text{NDF}: 12.8/1$

Right Out: -64.156 ± 0.360 $\chi^2/\text{NDF}: 303.7/17$

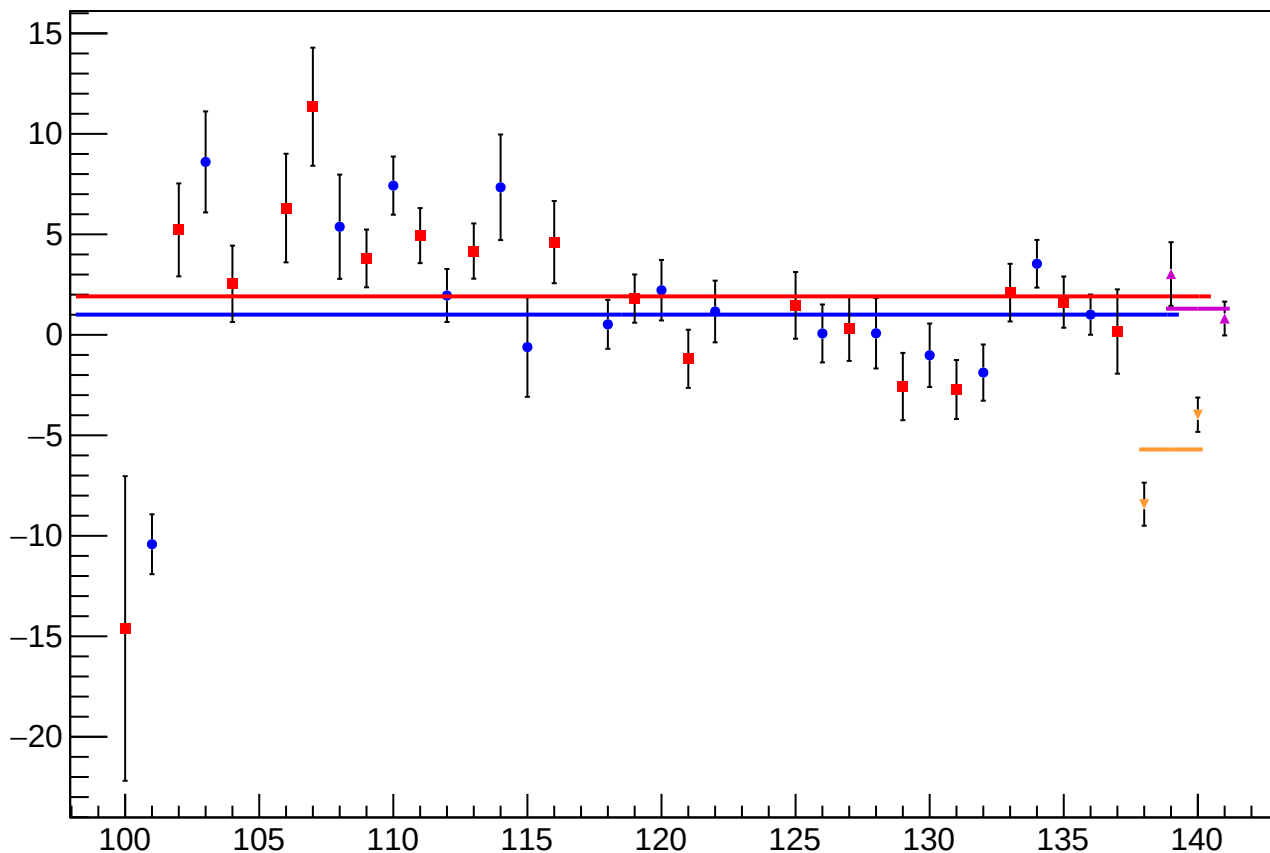
Left In: -53.288 ± 0.687 $\chi^2/\text{NDF}: 56.8/1$

+ sign -59.971 ± 0.311 $\chi^2/\text{NDF}: 1001.3/17$

All: -60.865 ± 0.223 $\chi^2/\text{NDF}: 1575.1/37$

- sign -61.808 ± 0.319 $\chi^2/\text{NDF}: 556.8/19$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006 ± 0.376 χ^2/NDF : 109.2/15

Left Out: -5.703 ± 0.668 χ^2/NDF : 10.5/1

Right Out: 1.914 ± 0.390 χ^2/NDF : 54.5/17

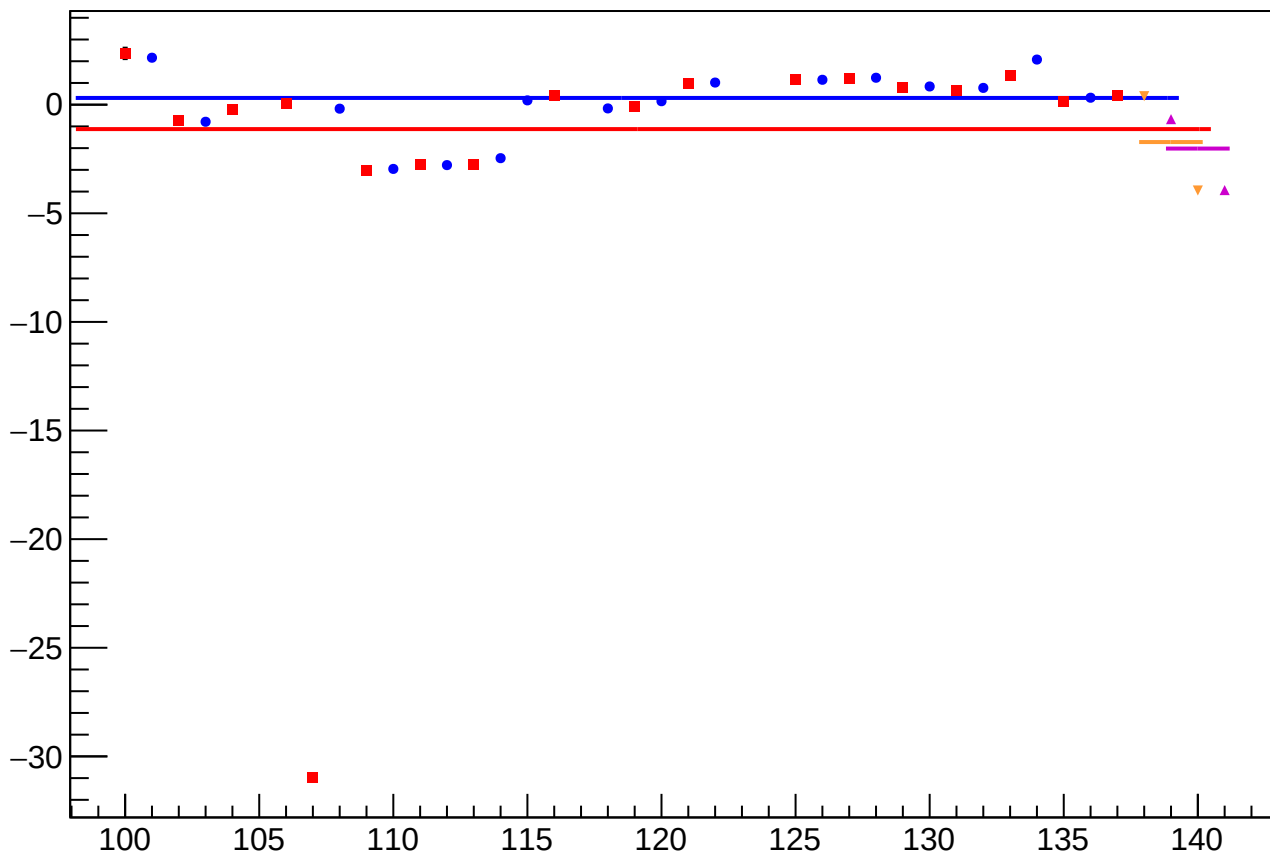
Left In: 1.300 ± 0.743 χ^2/NDF : 1.5/1

+ sign -0.604 ± 0.327 χ^2/NDF : 196.4/17

All: 0.526 ± 0.238 χ^2/NDF : 278.0/37

- sign 1.781 ± 0.345 χ^2/NDF : 56.5/19

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.021 $\chi^2/\text{NDF}: 4848.4/15$

Left Out: -1.720 ± 0.027 $\chi^2/\text{NDF}: 6375.5/1$

Right Out: -1.124 ± 0.022 $\chi^2/\text{NDF}: 46347.9/17$

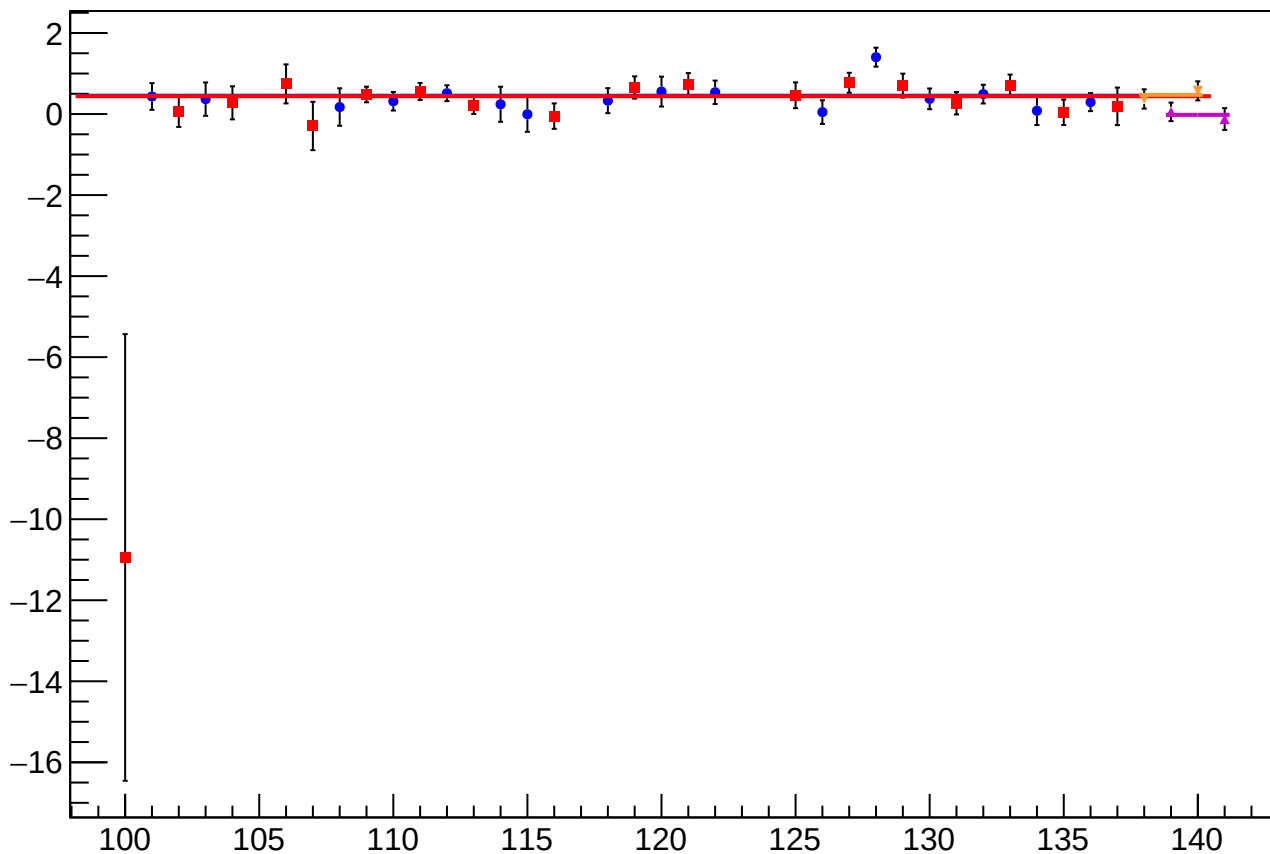
Left In: -2.020 ± 0.026 $\chi^2/\text{NDF}: 3820.2/1$

+ sign -0.452 ± 0.017 $\chi^2/\text{NDF}: 14711.7/17$

All: -0.969 ± 0.012 $\chi^2/\text{NDF}: 67524.4/37$

- sign -1.502 ± 0.017 $\chi^2/\text{NDF}: 50854.1/19$

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

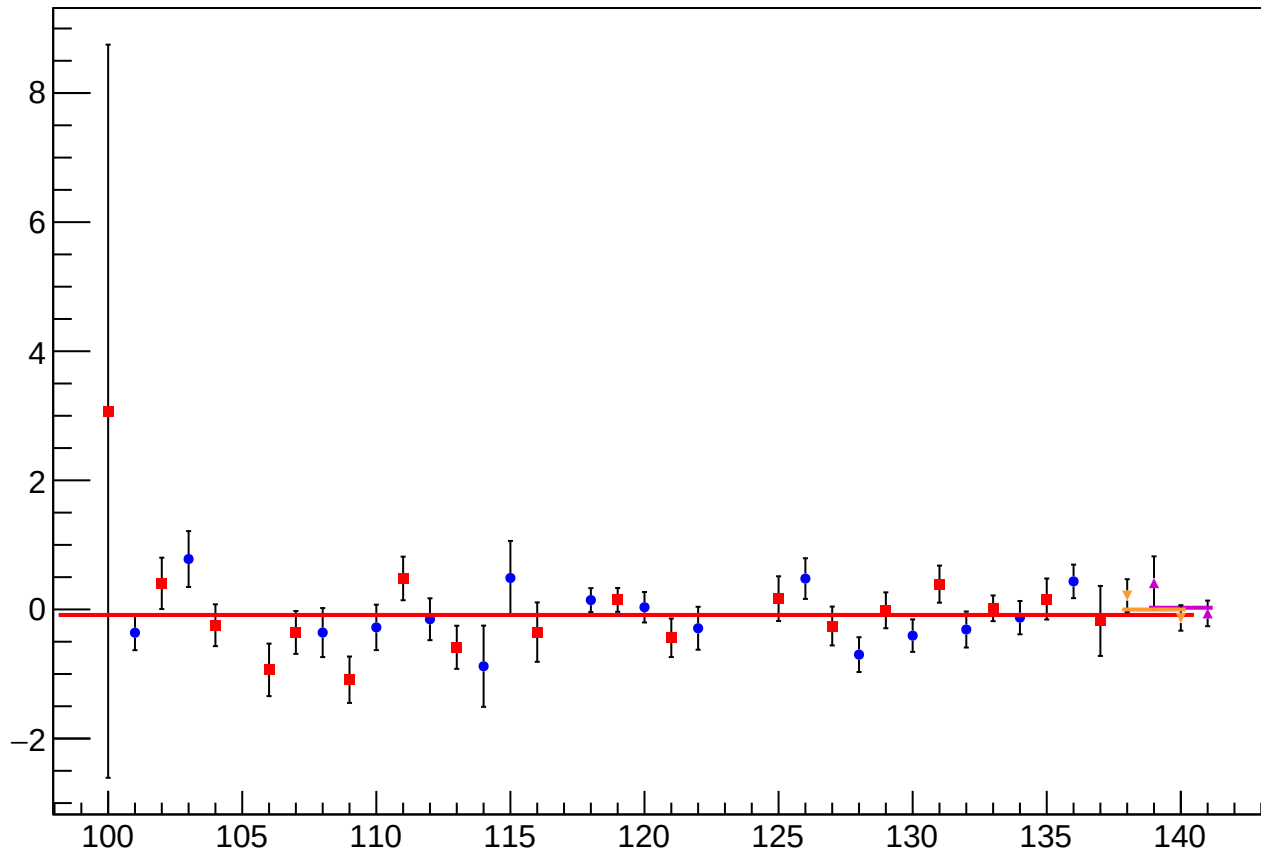
Left In: -0.021 $\pm$ 0.174 χ^2/NDF : 0.2/1

+ sign 0.455 $\pm$ 0.065 χ^2/NDF : 23.0/17

All: 0.415 $\pm$ 0.046 χ^2/NDF : 48.6/37

- sign 0.377 $\pm$ 0.065 χ^2/NDF : 24.8/19

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086 ± 0.073 χ^2/NDF : 25.4/15

Left Out: -0.001 ± 0.156 χ^2/NDF : 1.2/1

Right Out: -0.085 ± 0.074 χ^2/NDF : 27.9/17

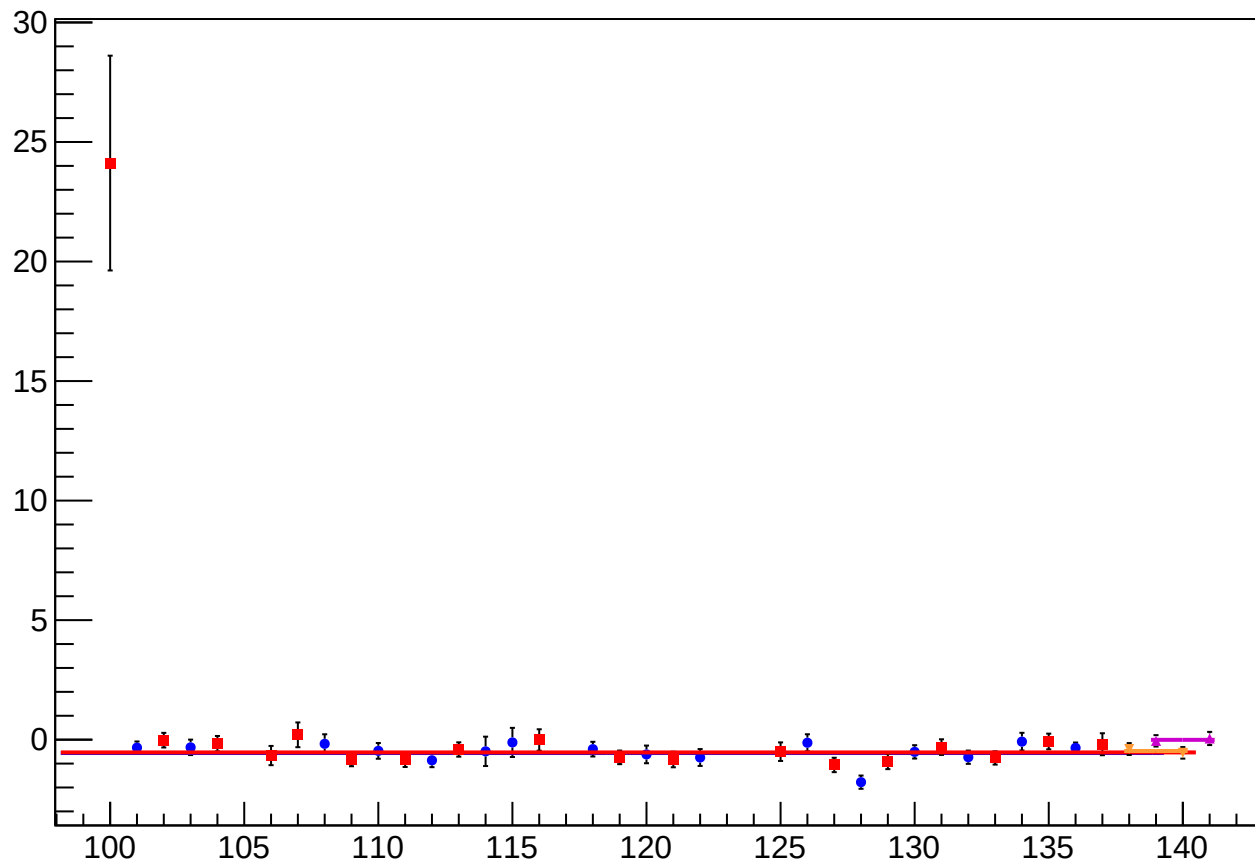
Left In: 0.026 ± 0.179 χ^2/NDF : 1.0/1

+ sign -0.071 ± 0.066 χ^2/NDF : 26.8/17

All: -0.070 ± 0.047 χ^2/NDF : 56.0/37

- sign -0.069 ± 0.068 χ^2/NDF : 29.3/19

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558 ± 0.080 χ^2/NDF : 28.3/15

Left Out: -0.474 ± 0.174 χ^2/NDF : 0.2/1

Right Out: -0.534 ± 0.081 χ^2/NDF : 49.2/17

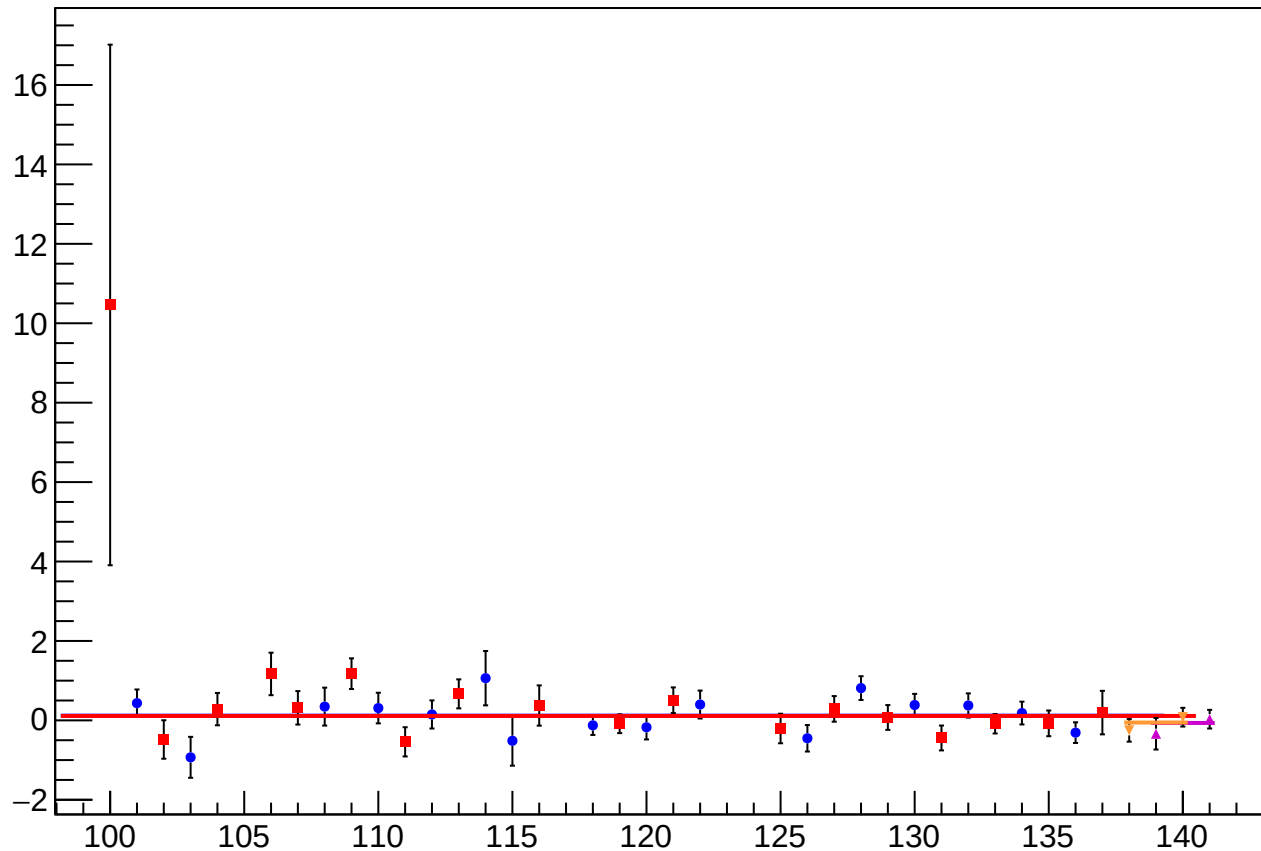
Left In: -0.007 ± 0.181 χ^2/NDF : 0.1/1

+ sign -0.544 ± 0.072 χ^2/NDF : 28.7/17

All: -0.496 ± 0.052 χ^2/NDF : 86.0/37

- sign -0.446 ± 0.074 χ^2/NDF : 56.3/19

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118 ± 0.084 χ^2/NDF : 23.6/15

Left Out: -0.055 ± 0.182 χ^2/NDF : 0.8/1

Right Out: 0.111 ± 0.085 χ^2/NDF : 29.0/17

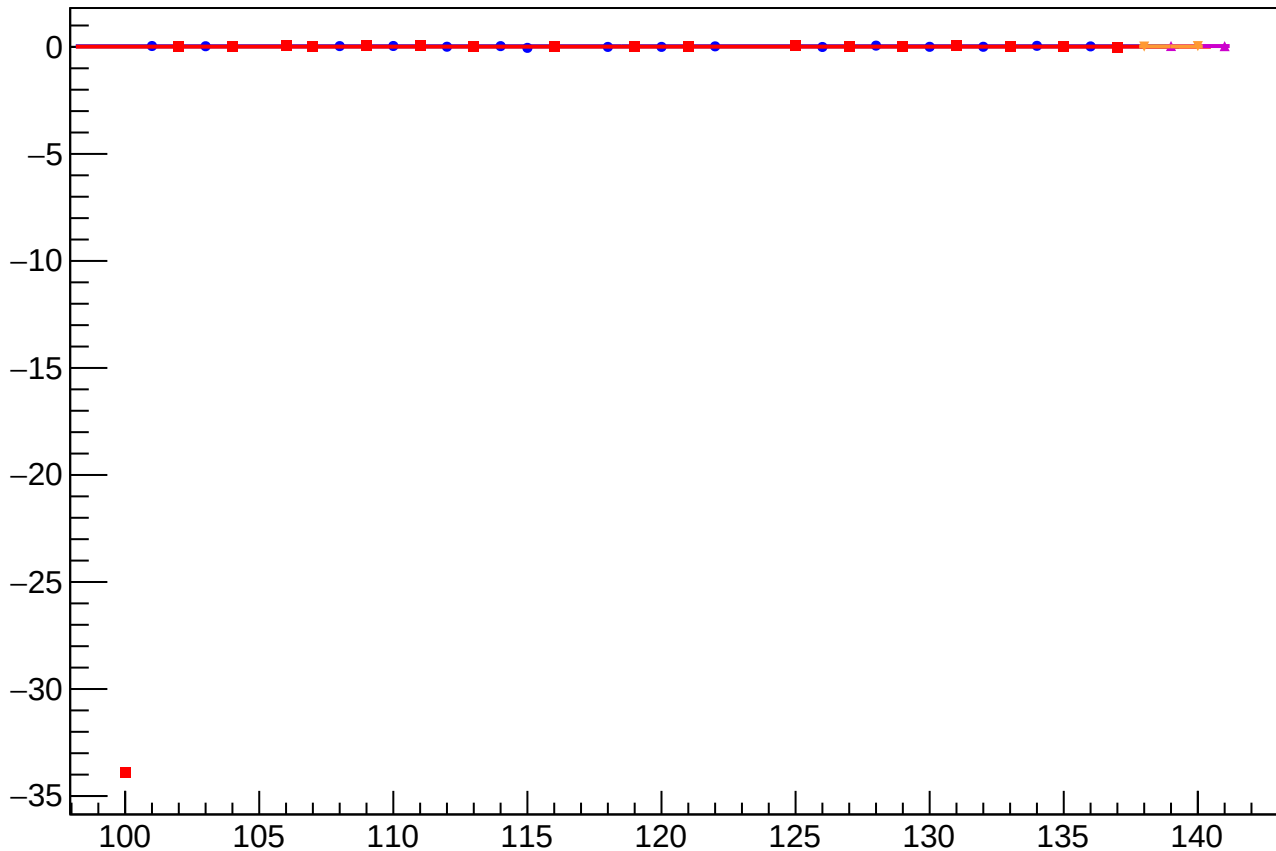
Left In: -0.065 ± 0.202 χ^2/NDF : 0.6/1

+ sign 0.088 ± 0.076 χ^2/NDF : 25.2/17

All: 0.086 ± 0.055 χ^2/NDF : 55.5/37

- sign 0.085 ± 0.078 χ^2/NDF : 30.3/19

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

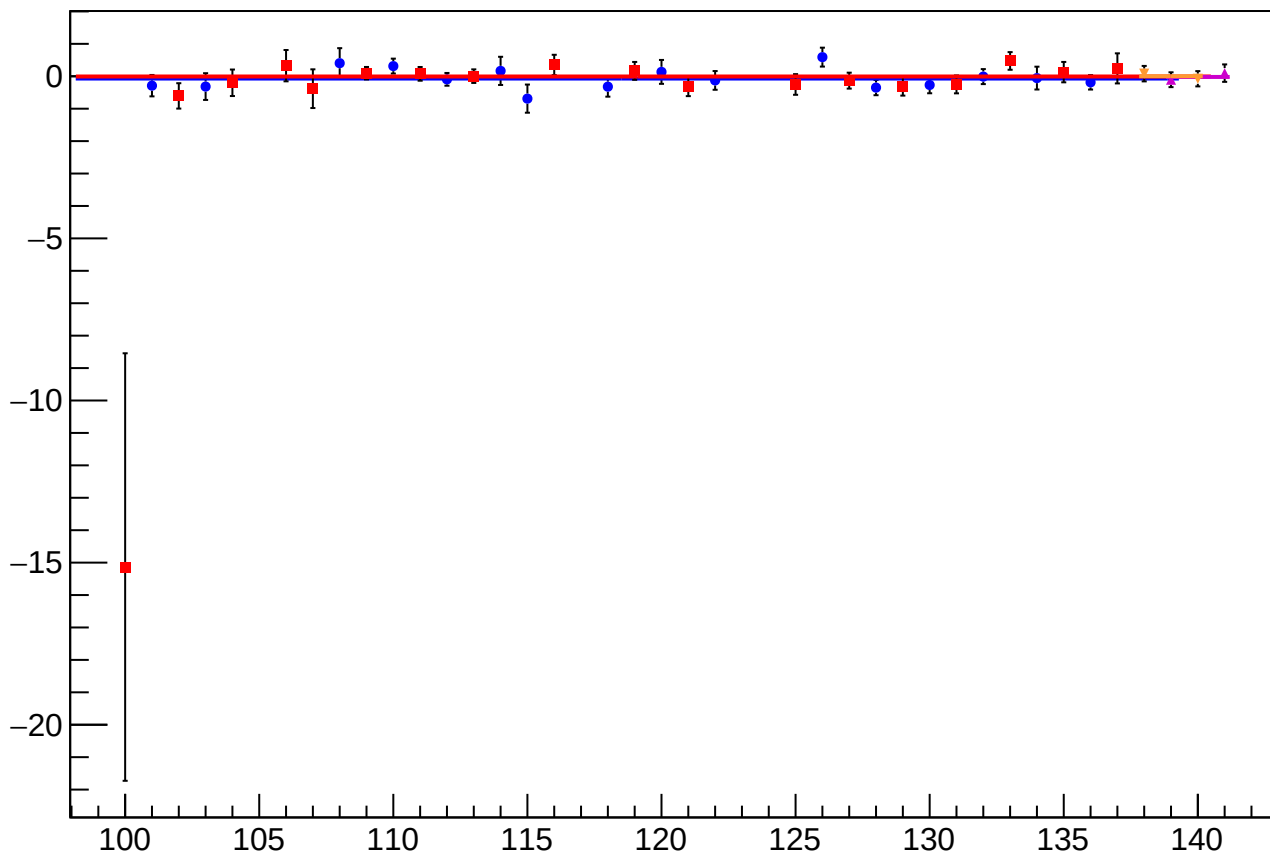
Left In: 0.040 $\pm$ 0.007 χ^2 /NDF: 0.2/1

+ sign 0.026 $\pm$ 0.004 χ^2 /NDF: 16.7/17

All: 0.024 $\pm$ 0.003 χ^2 /NDF: 22291.3/37

- sign 0.021 $\pm$ 0.004 χ^2 /NDF: 22273.8/19

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070 ± 0.071 χ^2/NDF : 15.5/15

Left Out: 0.001 ± 0.168 χ^2/NDF : 0.2/1

Right Out: -0.007 ± 0.070 χ^2/NDF : 18.1/17

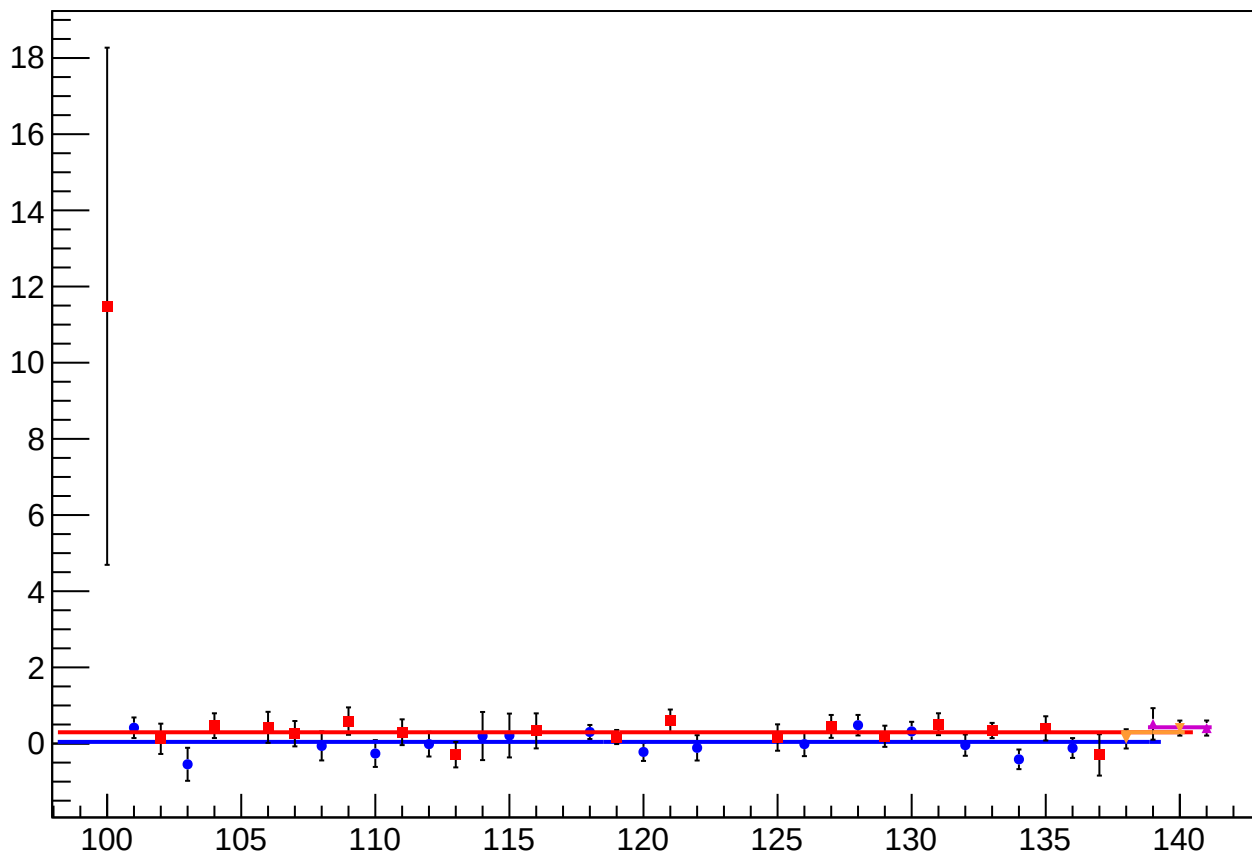
Left In: -0.021 ± 0.174 χ^2/NDF : 0.3/1

+ sign -0.059 ± 0.066 χ^2/NDF : 15.9/17

All: -0.034 ± 0.046 χ^2/NDF : 34.7/37

- sign -0.009 ± 0.065 χ^2/NDF : 18.5/19

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044 ± 0.073 χ^2/NDF : 15.7/15

Left Out: 0.299 ± 0.156 χ^2/NDF : 0.8/1

Right Out: 0.296 ± 0.074 χ^2/NDF : 11.0/17

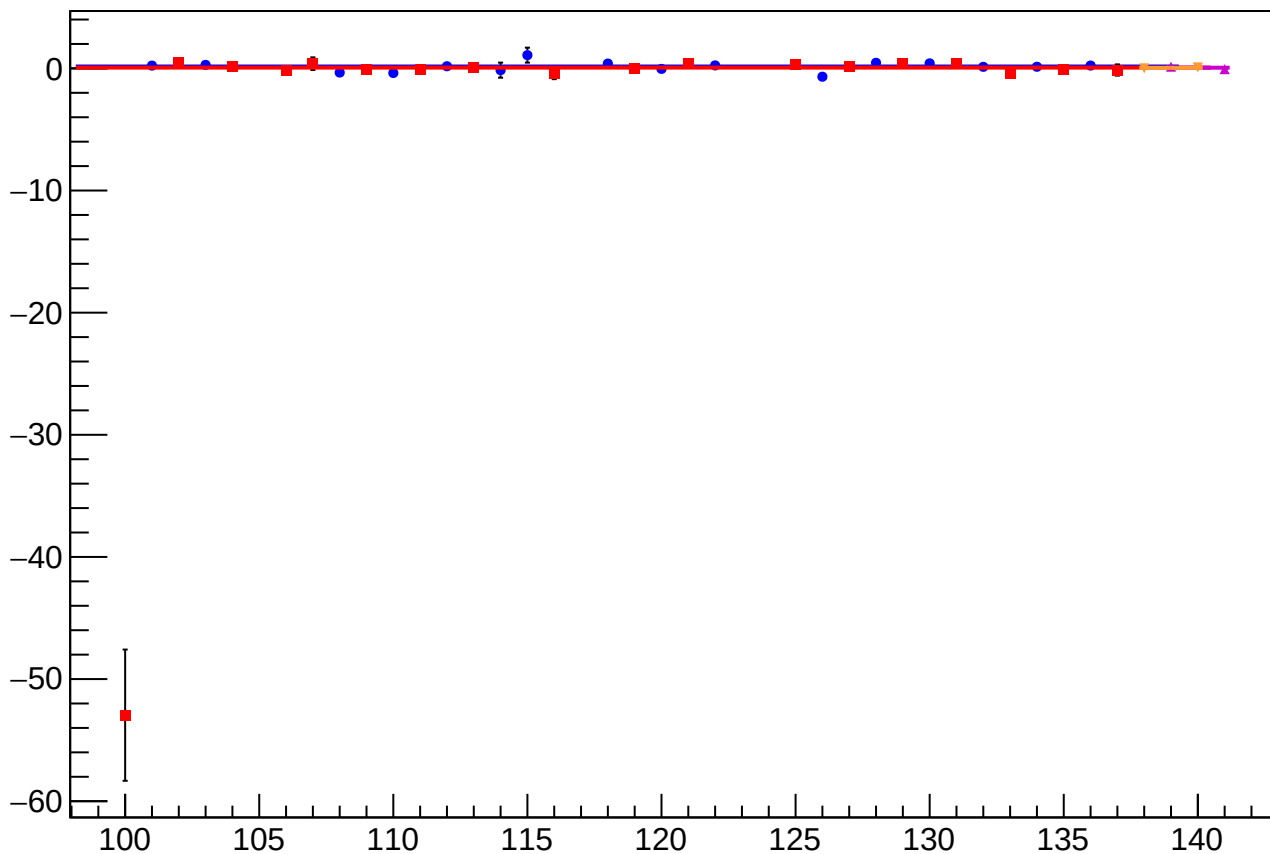
Left In: 0.427 ± 0.179 χ^2/NDF : 0.1/1

+ sign 0.090 ± 0.066 χ^2/NDF : 18.7/17

All: 0.199 ± 0.047 χ^2/NDF : 35.9/37

- sign 0.315 ± 0.068 χ^2/NDF : 11.5/19

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

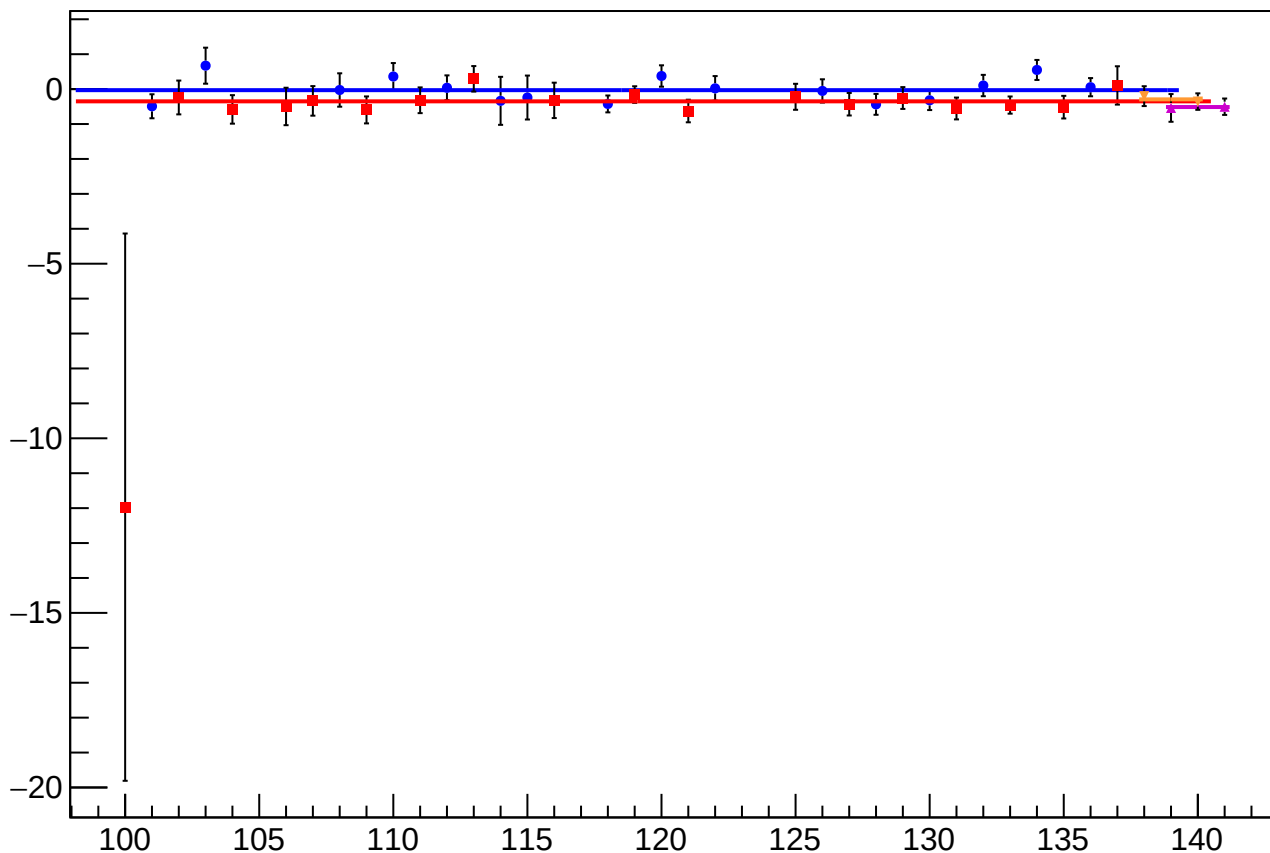
Left In: 0.055 $\pm$ 0.180 χ^2 /NDF:0.3/1

+ sign 0.134 $\pm$ 0.072 χ^2 /NDF: 16.0/17

All: 0.099 $\pm$ 0.052 χ^2 /NDF: 126.1/37

- sign 0.064 $\pm$ 0.074 χ^2 /NDF: 109.6/19

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030 ± 0.084 χ^2/NDF : 16.8/15

Left Out: -0.294 ± 0.182 χ^2/NDF : 0.2/1

Right Out: -0.350 ± 0.085 χ^2/NDF : 9.4/17

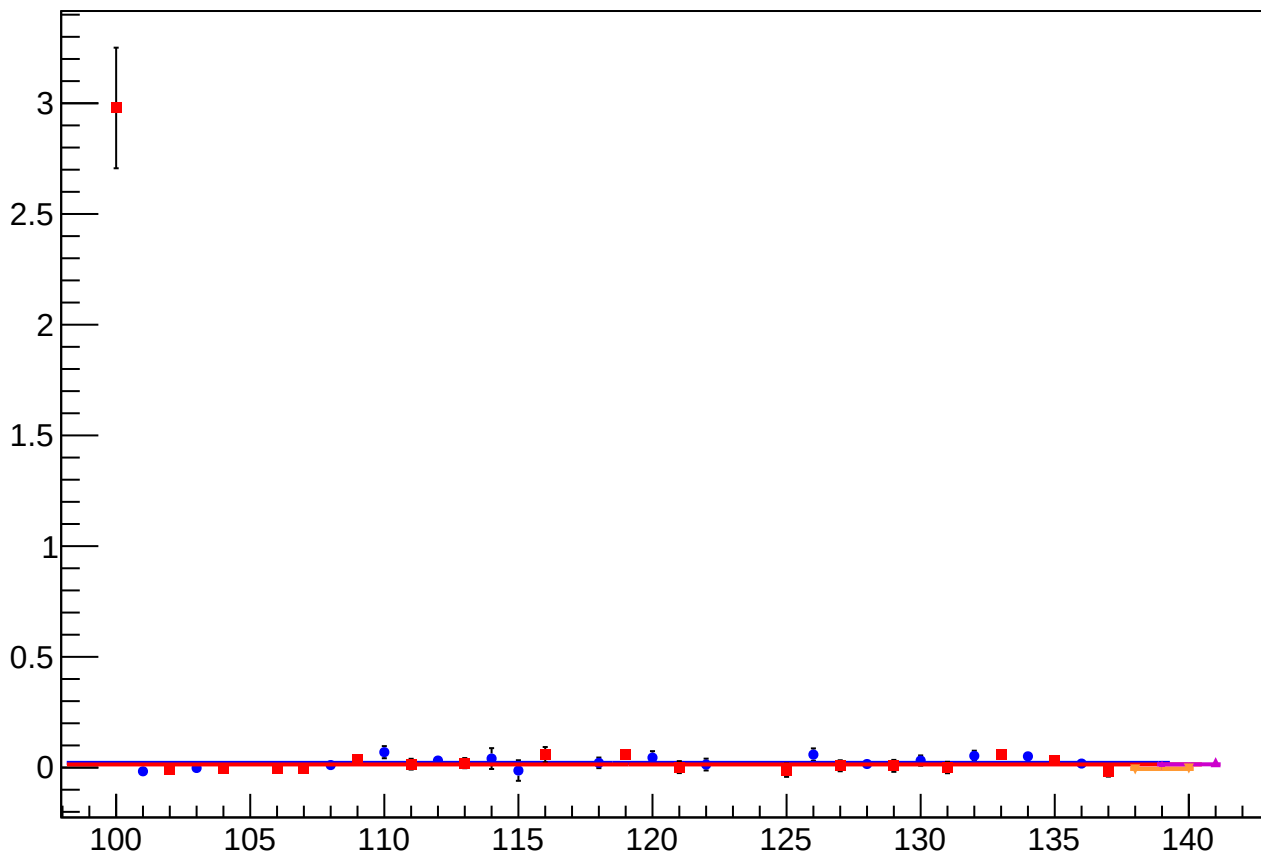
Left In: -0.513 ± 0.202 χ^2/NDF : 0.0/1

+ sign -0.076 ± 0.076 χ^2/NDF : 18.7/17

All: -0.222 ± 0.055 χ^2/NDF : 36.1/37

- sign -0.375 ± 0.078 χ^2/NDF : 10.0/19

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021 ± 0.005 χ^2/NDF : 22.5/15

Left Out: -0.006 ± 0.007 χ^2/NDF : 0.1/1

Right Out: 0.014 ± 0.005 χ^2/NDF : 140.9/17

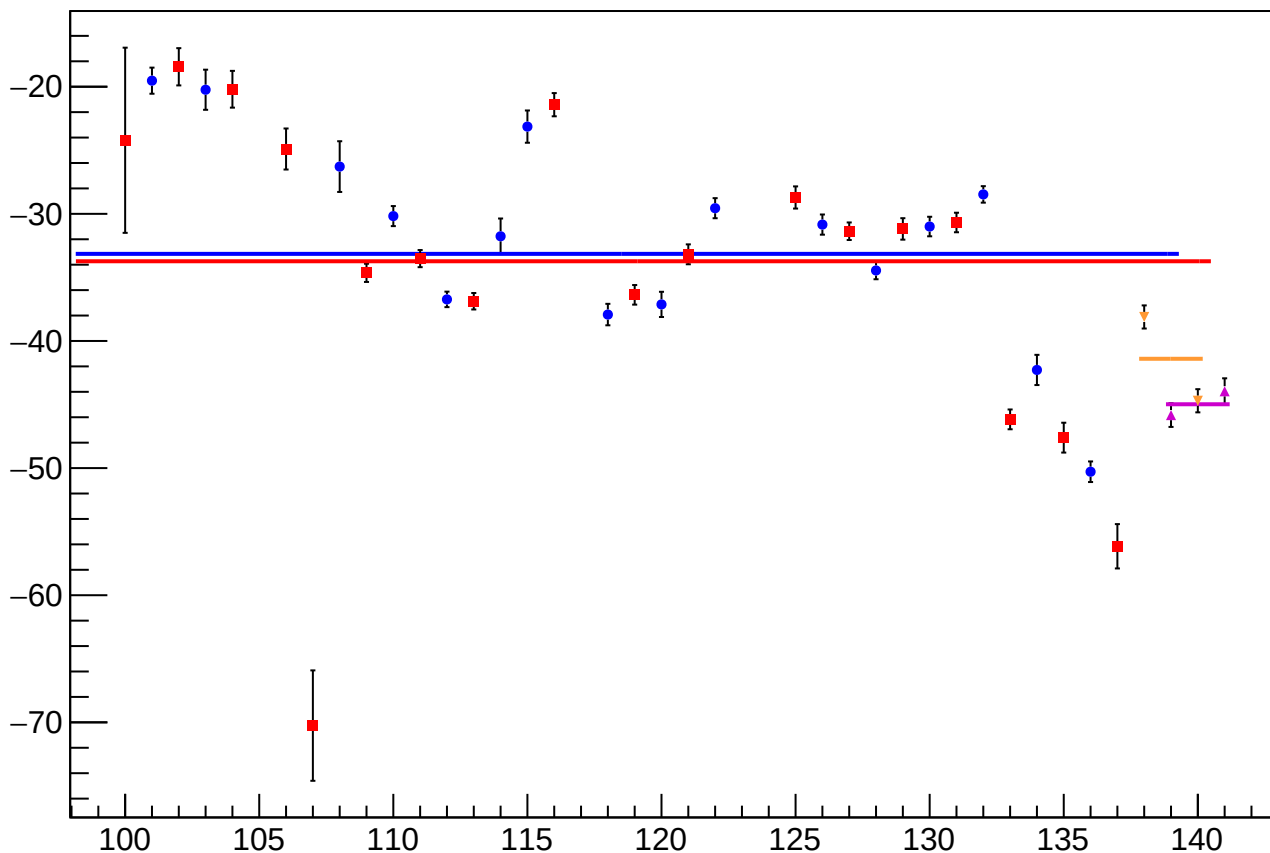
Left In: 0.015 ± 0.007 χ^2/NDF : 1.2/1

+ sign 0.013 ± 0.004 χ^2/NDF : 32.8/17

All: 0.014 ± 0.003 χ^2/NDF : 174.9/37

- sign 0.014 ± 0.004 χ^2/NDF : 142.1/19

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148 ± 0.218 $\chi^2/\text{NDF}: 1013.9/15$

Left Out: -41.401 ± 0.644 $\chi^2/\text{NDF}: 26.2/1$

Right Out: -33.730 ± 0.215 $\chi^2/\text{NDF}: 1148.4/17$

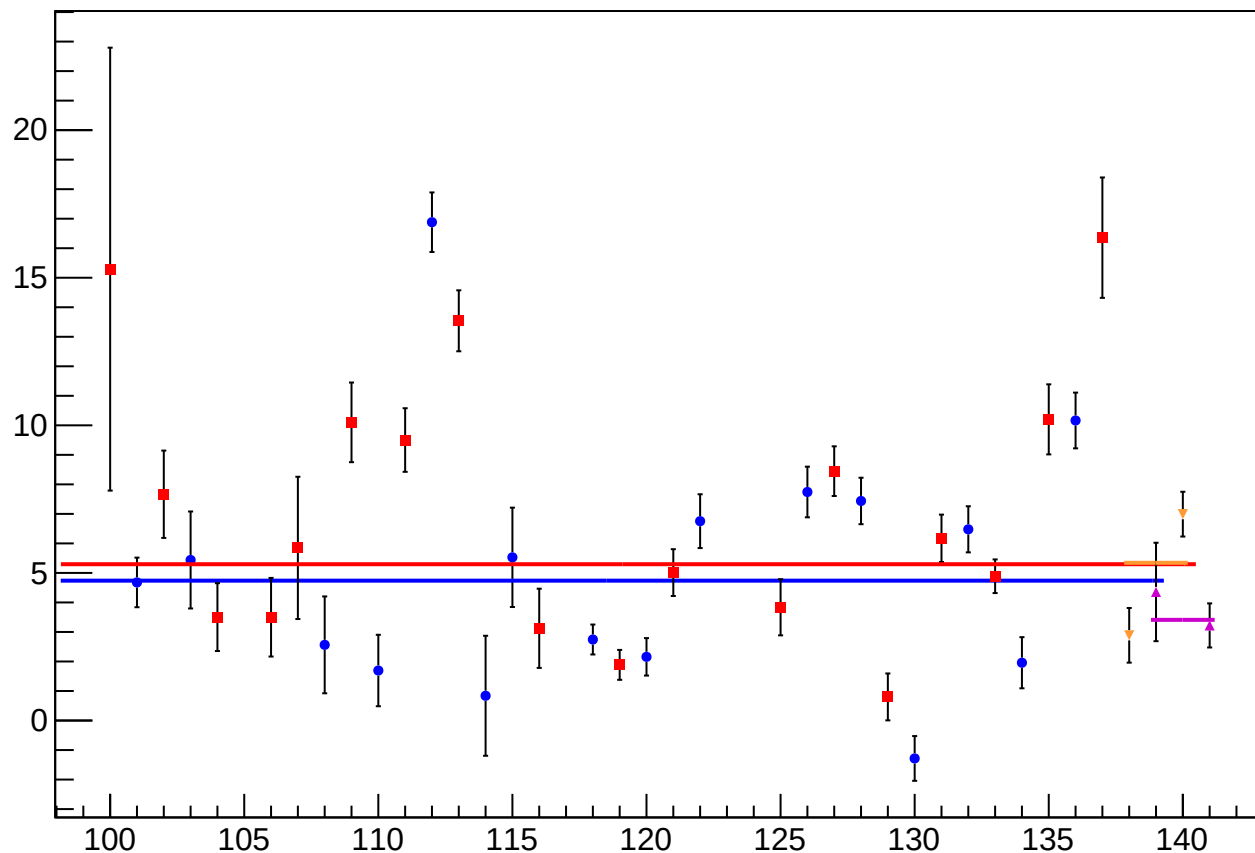
Left In: -44.978 ± 0.688 $\chi^2/\text{NDF}: 1.8/1$

+ sign -33.997 ± 0.206 $\chi^2/\text{NDF}: 1187.6/17$

All: -34.366 ± 0.145 $\chi^2/\text{NDF}: 2587.9/37$

- sign -34.730 ± 0.205 $\chi^2/\text{NDF}: 1394.0/19$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738 $\pm$ 0.219 χ^2 /NDF: 329.6/15

Left Out: 5.343 $\pm$ 0.587 χ^2 /NDF:11.8/1

Right Out: 5.295 $\pm$ 0.223 χ^2 /NDF: 245.0/17

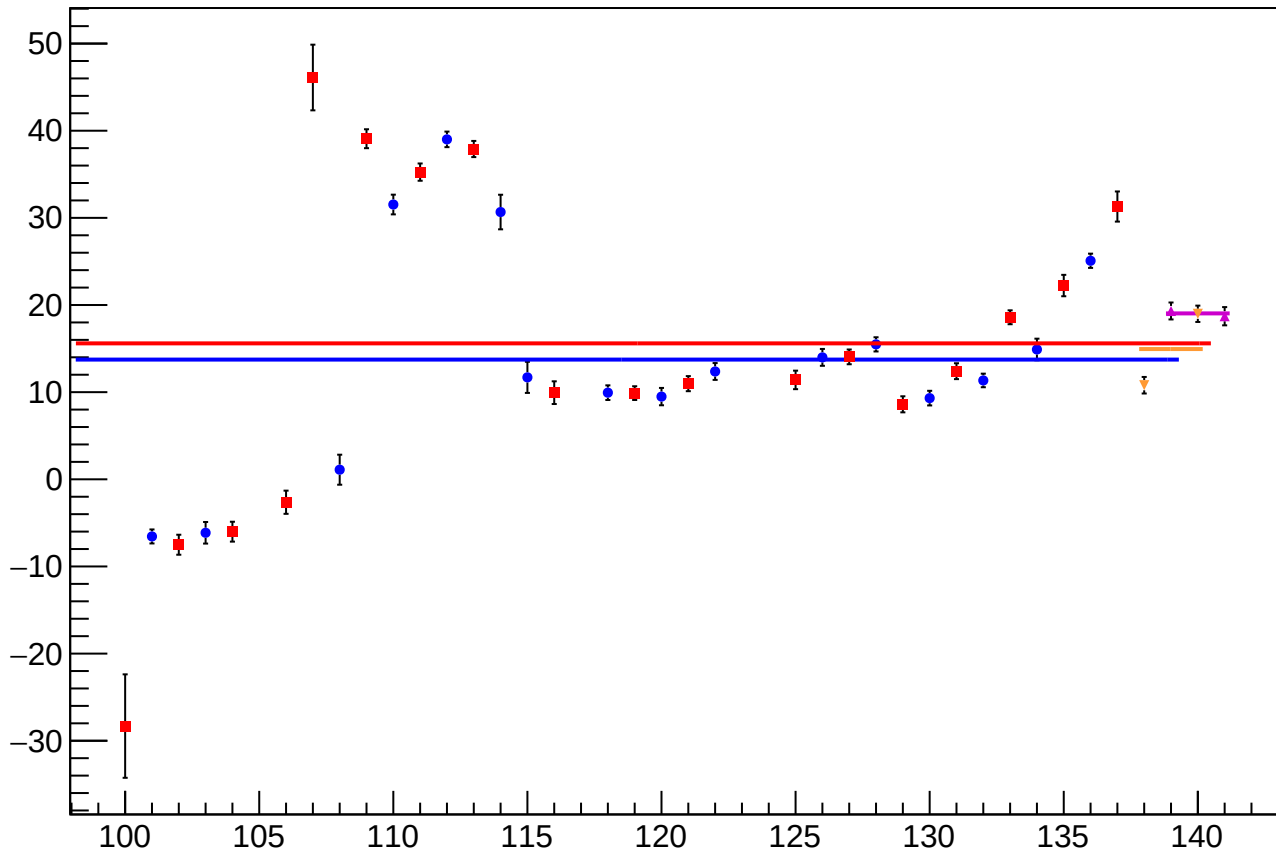
Left In: 3.411 $\pm$ 0.681 χ^2 /NDF:0.4/1

+ sign 4.813 $\pm$ 0.205 χ^2 /NDF: 342.3/17

All: 4.958 $\pm$ 0.148 χ^2 /NDF: 595.6/37

- sign 5.112 $\pm$ 0.212 χ^2 /NDF: 252.3/19

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

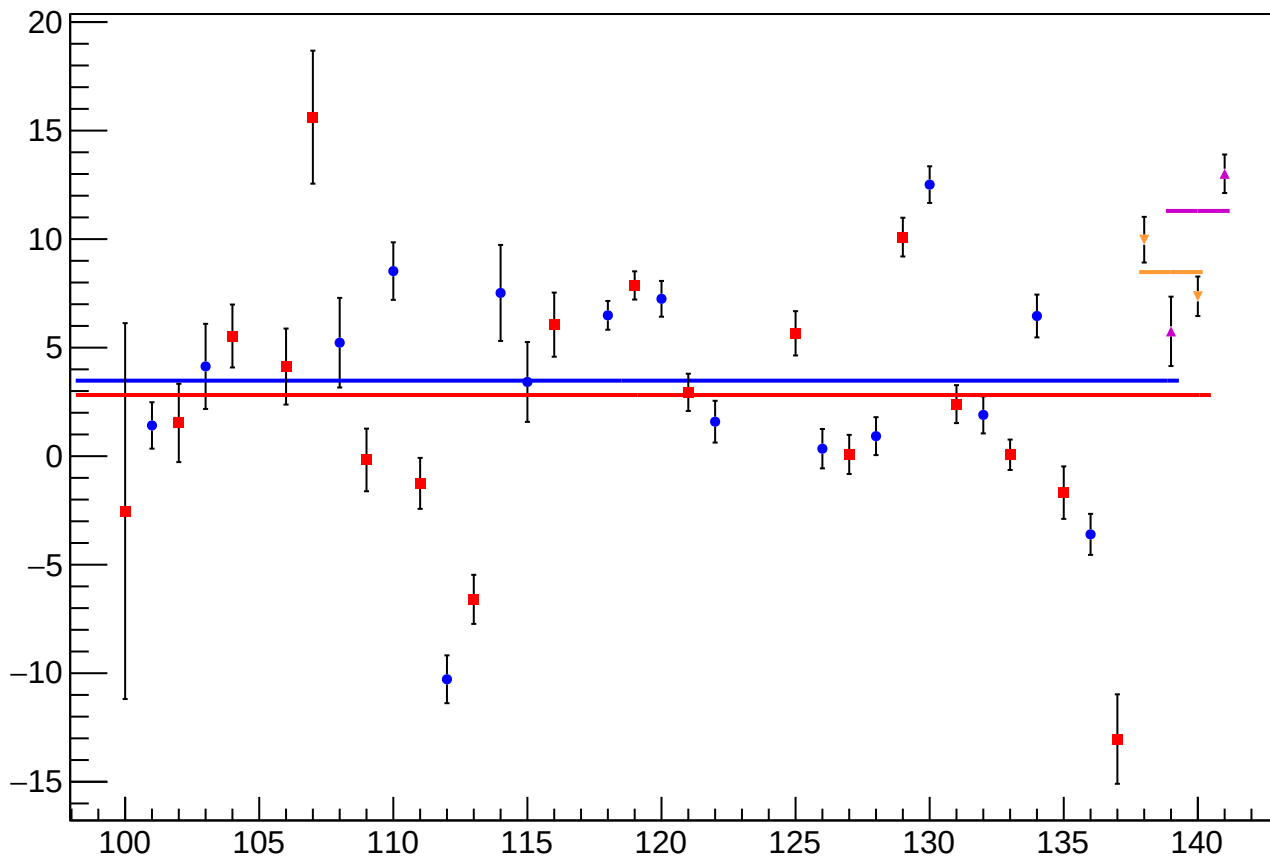
Left In: 19.038 $\pm$ 0.712 χ^2 /NDF: 0.2/1

+ sign 13.883 $\pm$ 0.231 χ^2 /NDF: 2390.5/17

All: 14.910 $\pm$ 0.165 χ^2 /NDF: 5277.9/37

- sign 15.977 $\pm$ 0.236 χ^2 /NDF: 2847.2/19

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479 ± 0.254 $\chi^2/\text{NDF}: 427.6/15$

Left Out: 8.481 ± 0.688 $\chi^2/\text{NDF}: 3.5/1$

Right Out: 2.817 ± 0.257 $\chi^2/\text{NDF}: 345.3/17$

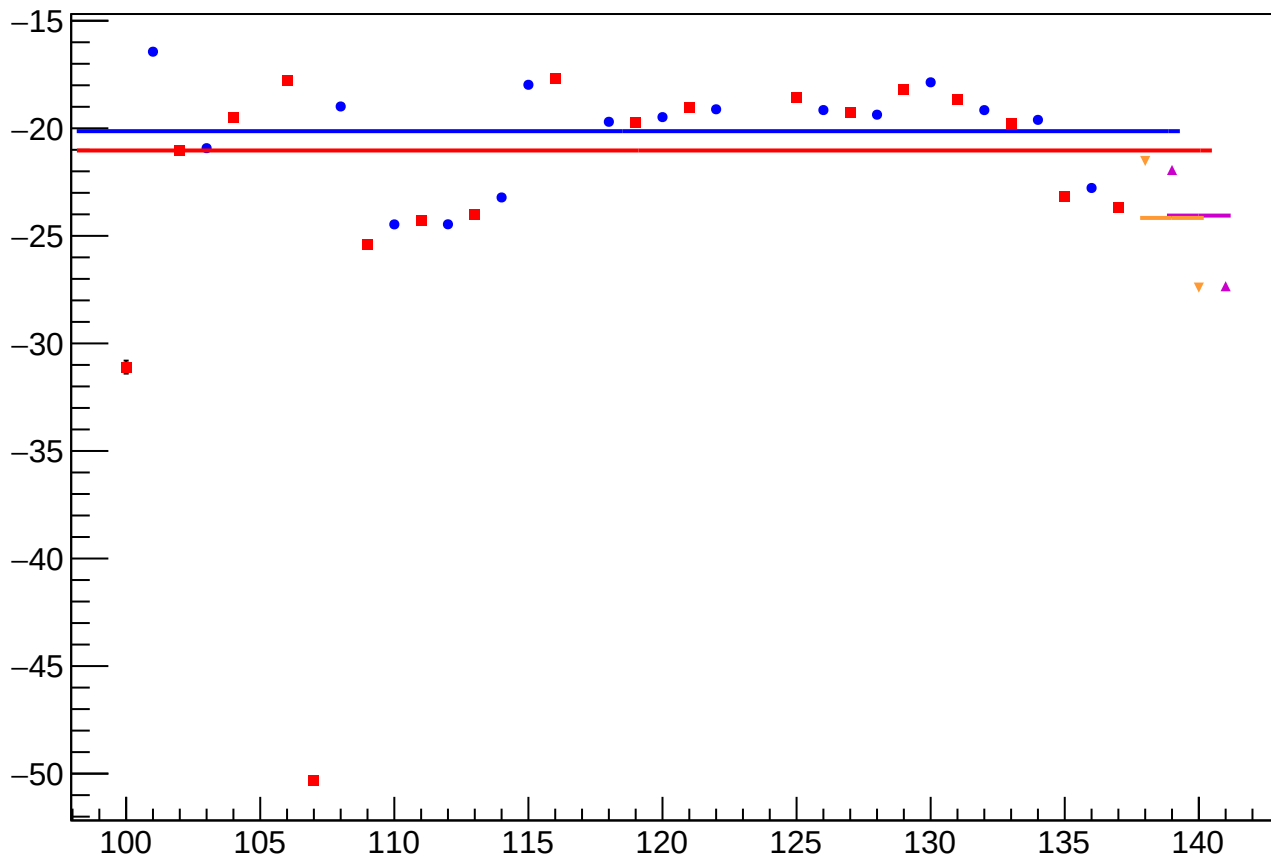
Left In: 11.298 ± 0.776 $\chi^2/\text{NDF}: 15.8/1$

+ sign 4.077 ± 0.238 $\chi^2/\text{NDF}: 477.6/17$

All: 3.872 ± 0.170 $\chi^2/\text{NDF}: 947.8/37$

- sign 3.657 ± 0.244 $\chi^2/\text{NDF}: 468.7/19$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133 ± 0.016 χ^2/NDF : 19831.2/15

Left Out: -24.166 ± 0.028 χ^2/NDF : 10945.8/1

Right Out: -21.031 ± 0.016 χ^2/NDF : 57523.6/17

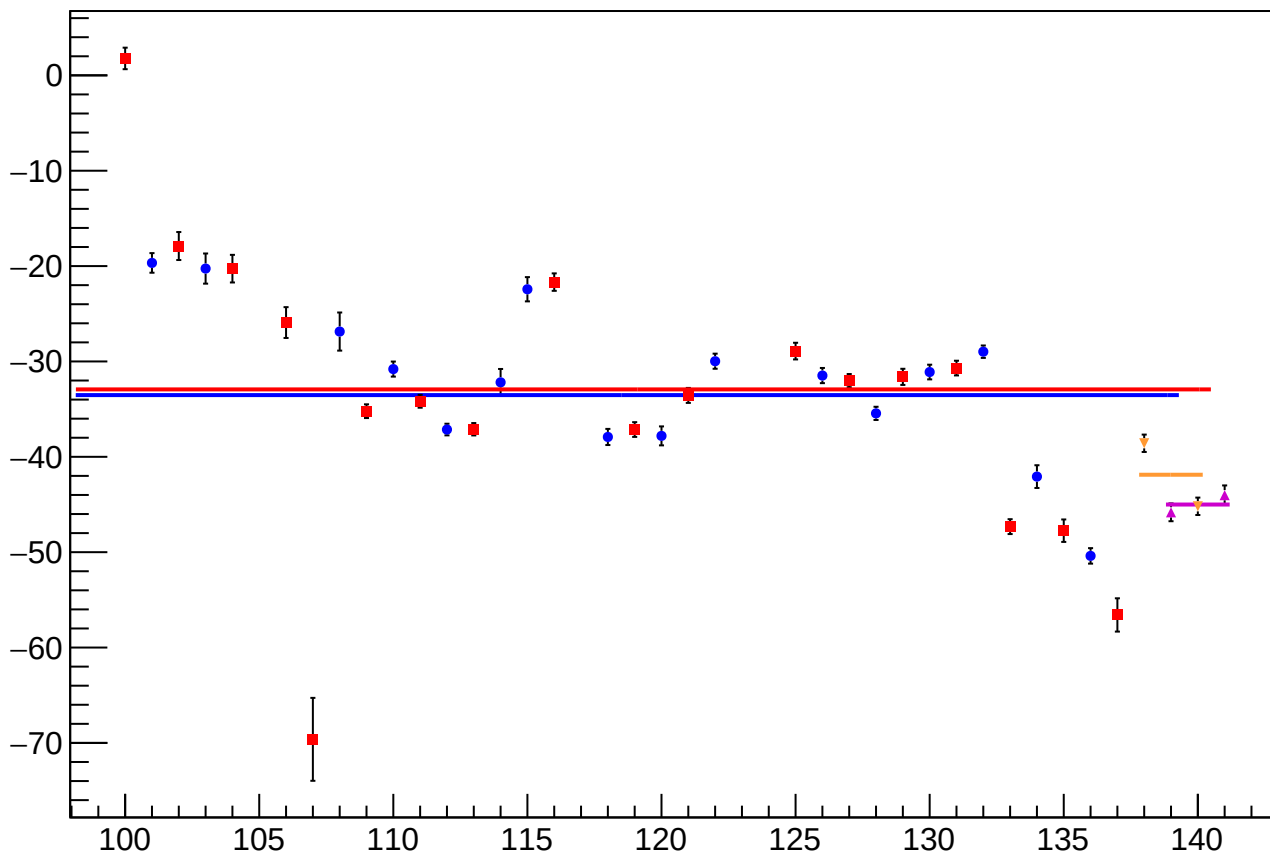
Left In: -24.058 ± 0.027 χ^2/NDF : 9666.8/1

+ sign -21.128 ± 0.014 χ^2/NDF : 46415.1/17

All: -21.489 ± 0.010 χ^2/NDF : 124216.0/37

- sign -21.857 ± 0.014 χ^2/NDF : 76435.4/19

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528 ± 0.218 $\chi^2/\text{NDF}: 1008.7/15$

Left Out: -41.880 ± 0.645 $\chi^2/\text{NDF}: 26.3/1$

Right Out: -32.931 ± 0.212 $\chi^2/\text{NDF}: 2170.0/17$

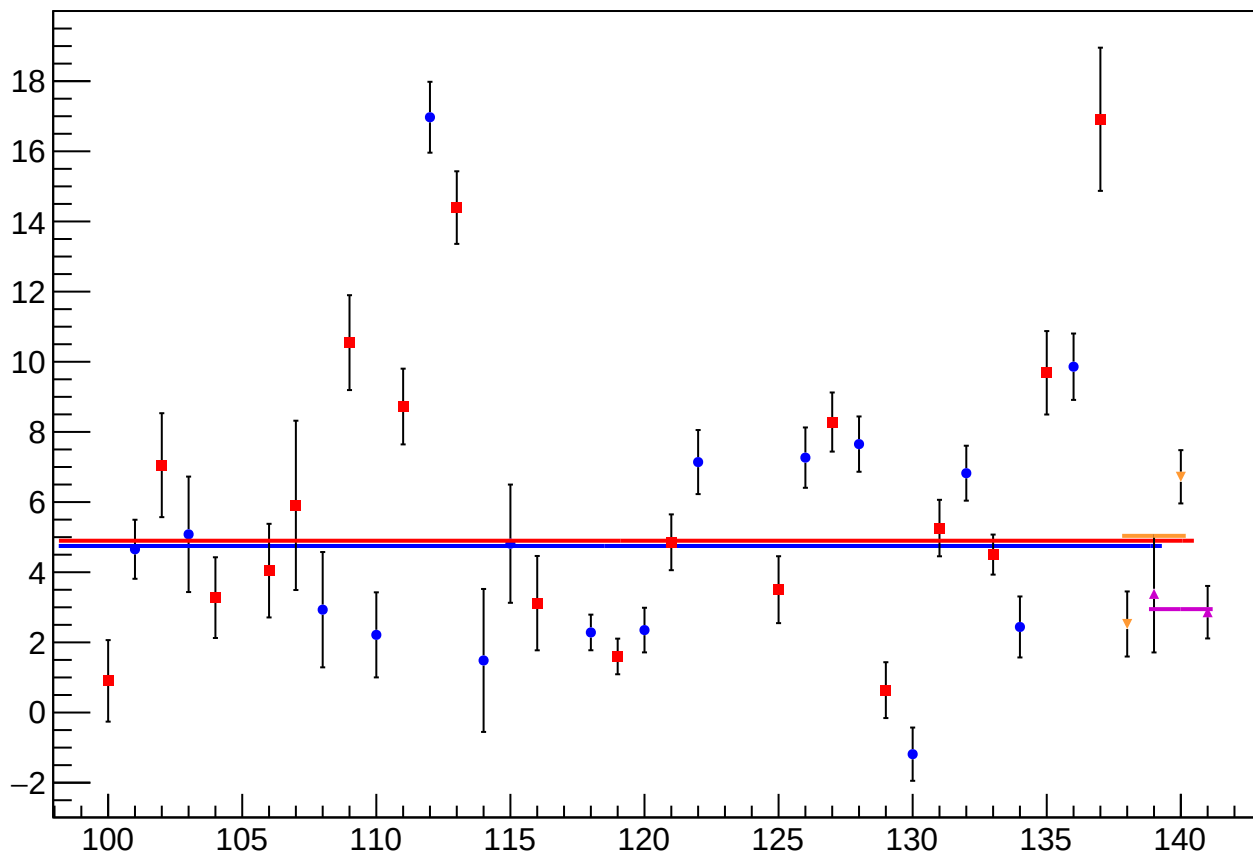
Left In: -45.004 ± 0.689 $\chi^2/\text{NDF}: 1.7/1$

+ sign -34.388 ± 0.207 $\chi^2/\text{NDF}: 1185.4/17$

All: -34.174 ± 0.145 $\chi^2/\text{NDF}: 3639.5/37$

- sign -33.970 ± 0.202 $\chi^2/\text{NDF}: 2452.0/19$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748 $\pm$ 0.220 χ^2 /NDF: 325.7/15

Left Out: 5.037 $\pm$ 0.588 χ^2 /NDF:12.2/1

Right Out: 4.898 $\pm$ 0.220 χ^2 /NDF: 273.1/17

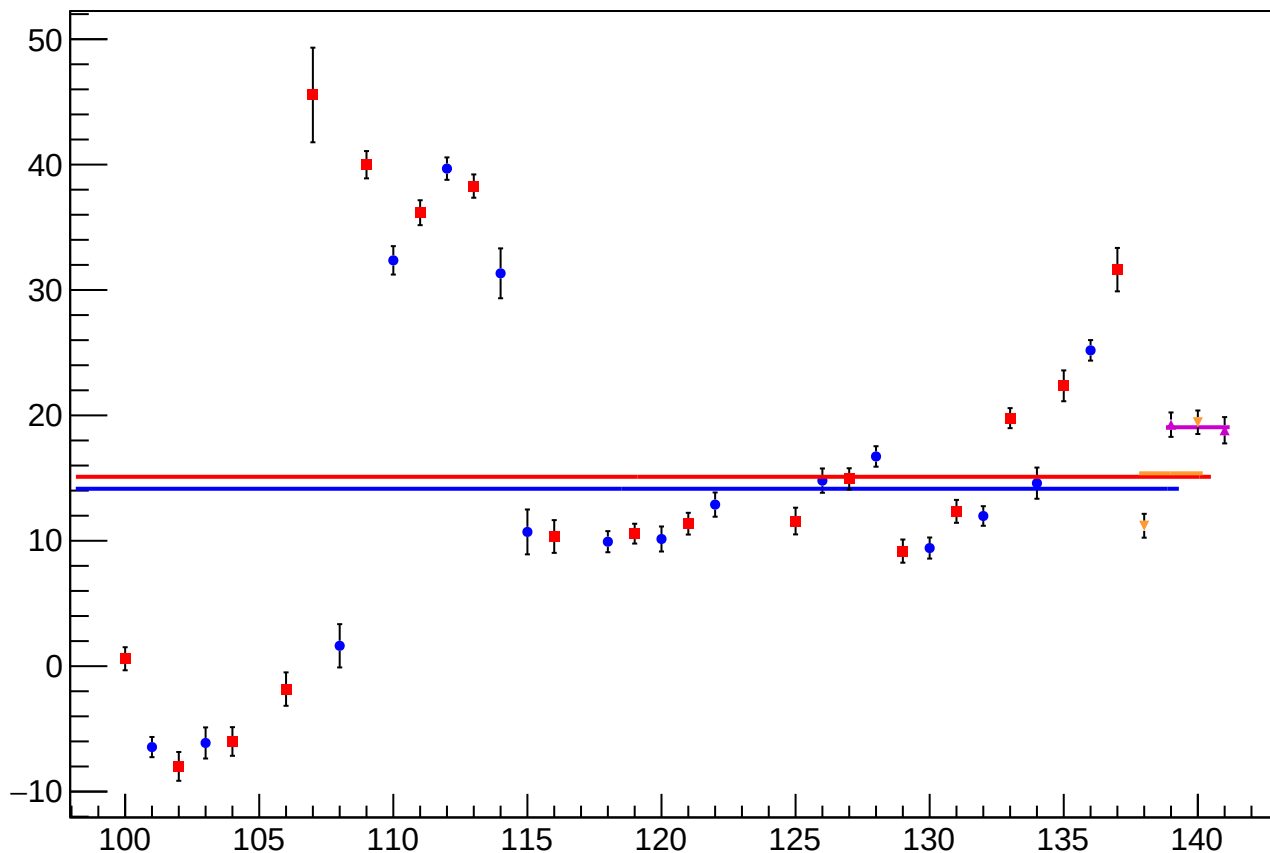
Left In: 2.948 $\pm$ 0.683 χ^2 /NDF:0.1/1

+ sign 4.784 $\pm$ 0.206 χ^2 /NDF: 338.2/17

All: 4.750 $\pm$ 0.147 χ^2 /NDF: 618.7/37

- sign 4.715 $\pm$ 0.209 χ^2 /NDF: 280.5/19

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

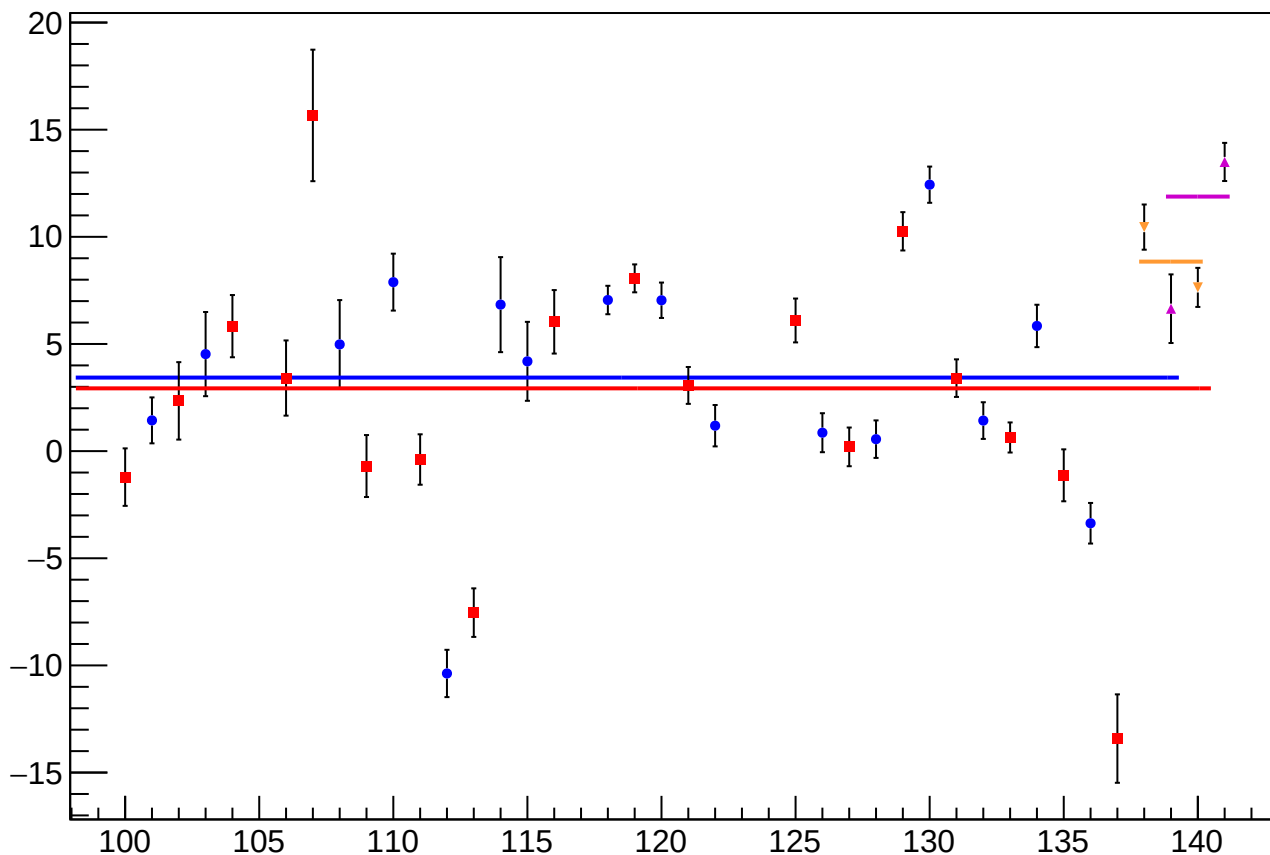
Left In: 19.054 $\pm$ 0.714 χ^2 /NDF:0.1/1

+ sign 14.297 $\pm$ 0.232 χ^2 /NDF: 2443.5/17

All: 14.911 $\pm$ 0.163 χ^2 /NDF: 5587.2/37

- sign 15.511 $\pm$ 0.229 χ^2 /NDF: 3129.9/19

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432 ± 0.254 $\chi^2/\text{NDF}: 424.0/15$

Left Out: 8.844 ± 0.690 $\chi^2/\text{NDF}: 4.1/1$

Right Out: 2.929 ± 0.253 $\chi^2/\text{NDF}: 367.7/17$

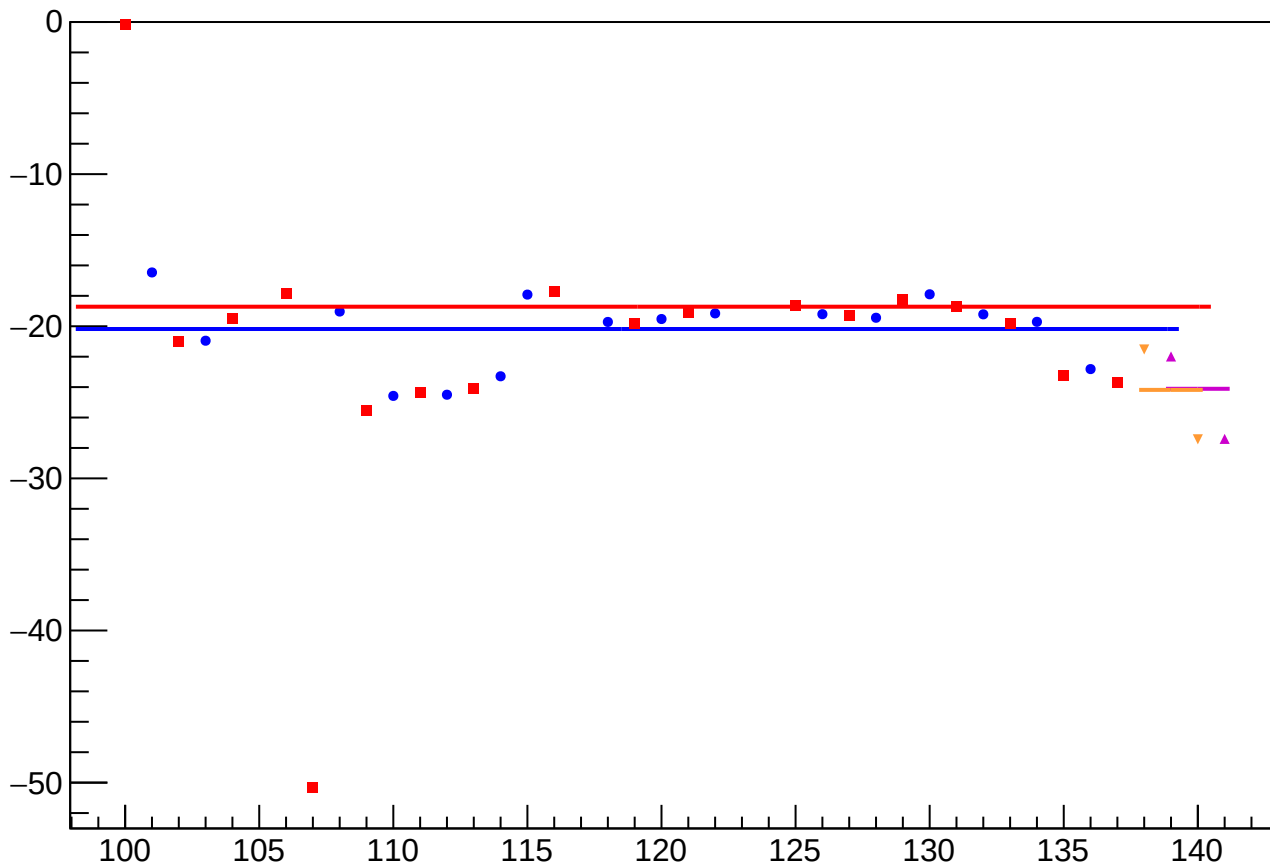
Left In: 11.878 ± 0.778 $\chi^2/\text{NDF}: 14.0/1$

+ sign 4.079 ± 0.239 $\chi^2/\text{NDF}: 482.3/17$

All: 3.935 ± 0.169 $\chi^2/\text{NDF}: 984.4/37$

- sign 3.787 ± 0.241 $\chi^2/\text{NDF}: 501.4/19$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF : 19856.9/15

Left Out: -24.183+/-0.028 χ^2/NDF : 10976.2/1

Right Out: -18.714+/-0.016 χ^2/NDF : 234667.0/17

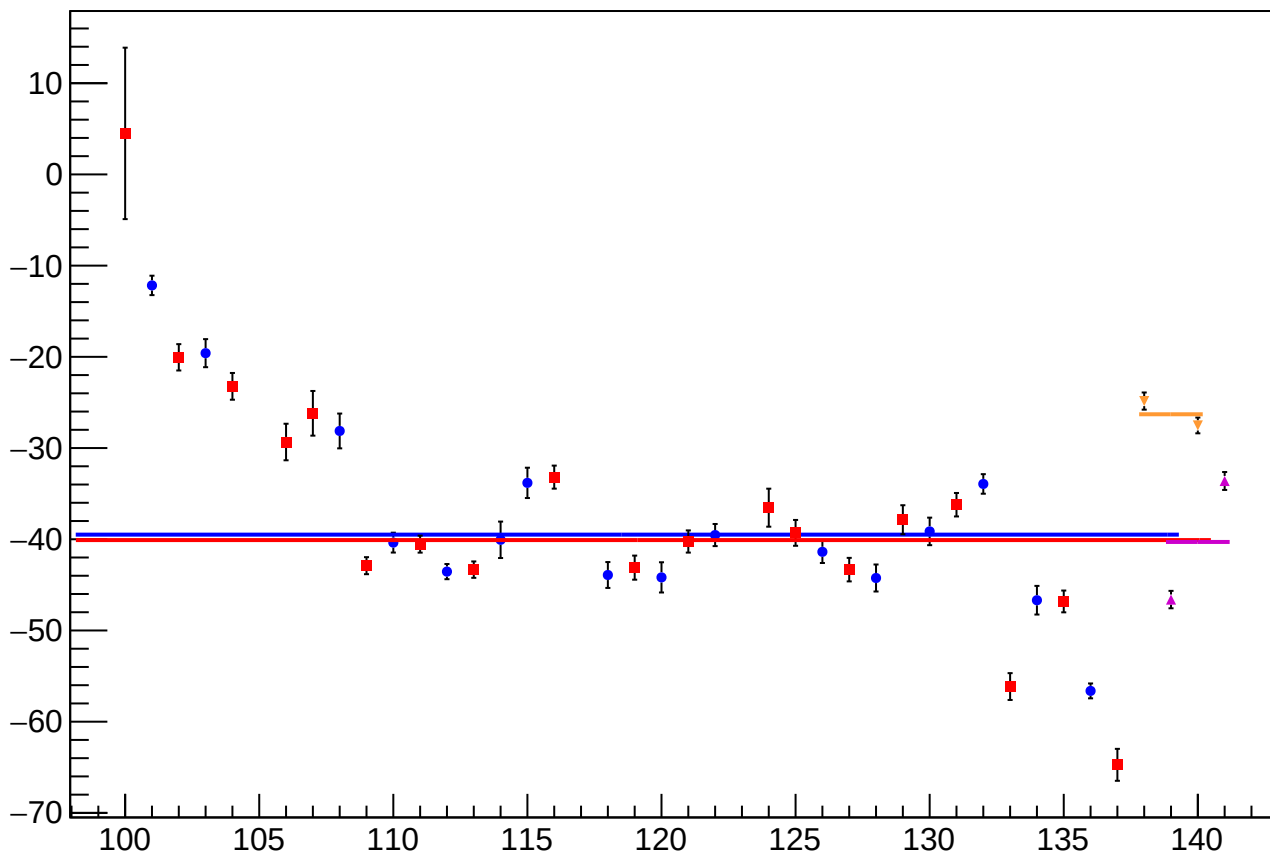
Left In: -24.111+/-0.027 χ^2/NDF : 9665.1/1

+ sign -21.168+/-0.014 χ^2/NDF : 46175.8/17

All: -20.599+/-0.010 χ^2/NDF : 323874.6/37

- sign -20.067+/-0.013 χ^2/NDF : 274473.2/19

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493 ± 0.311 χ^2/NDF : 1417.1/15

Left Out: -26.297 ± 0.637 χ^2/NDF : 4.4/1

Right Out: -40.090 ± 0.307 χ^2/NDF : 834.9/18

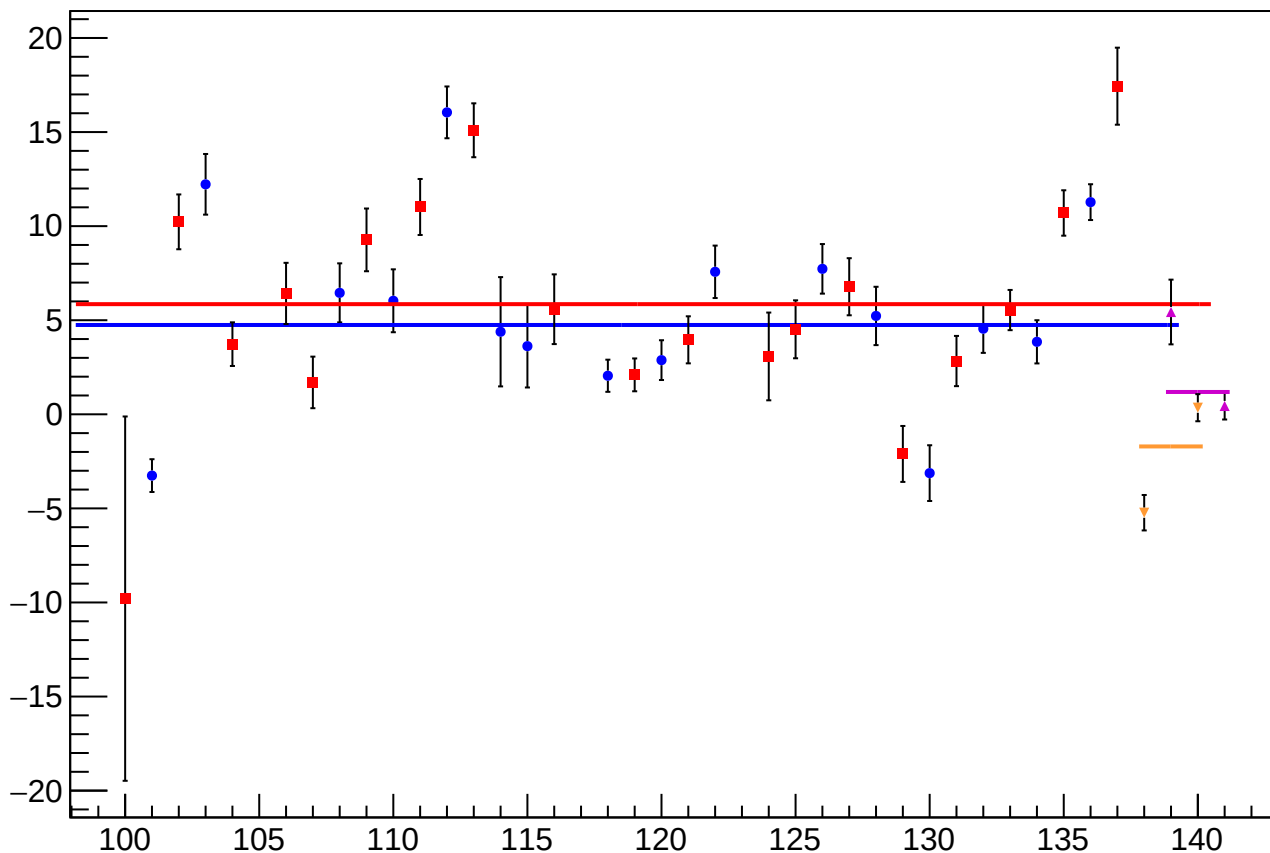
Left In: -40.295 ± 0.685 χ^2/NDF : 90.1/1

+ sign -36.954 ± 0.279 χ^2/NDF : 1768.5/17

All: -38.533 ± 0.198 χ^2/NDF : 2757.8/38

- sign -40.124 ± 0.280 χ^2/NDF : 925.1/20

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747 ± 0.316 χ^2/NDF : 273.8/15

Left Out: -1.708 ± 0.572 χ^2/NDF : 22.1/1

Right Out: 5.854 ± 0.324 χ^2/NDF : 187.6/18

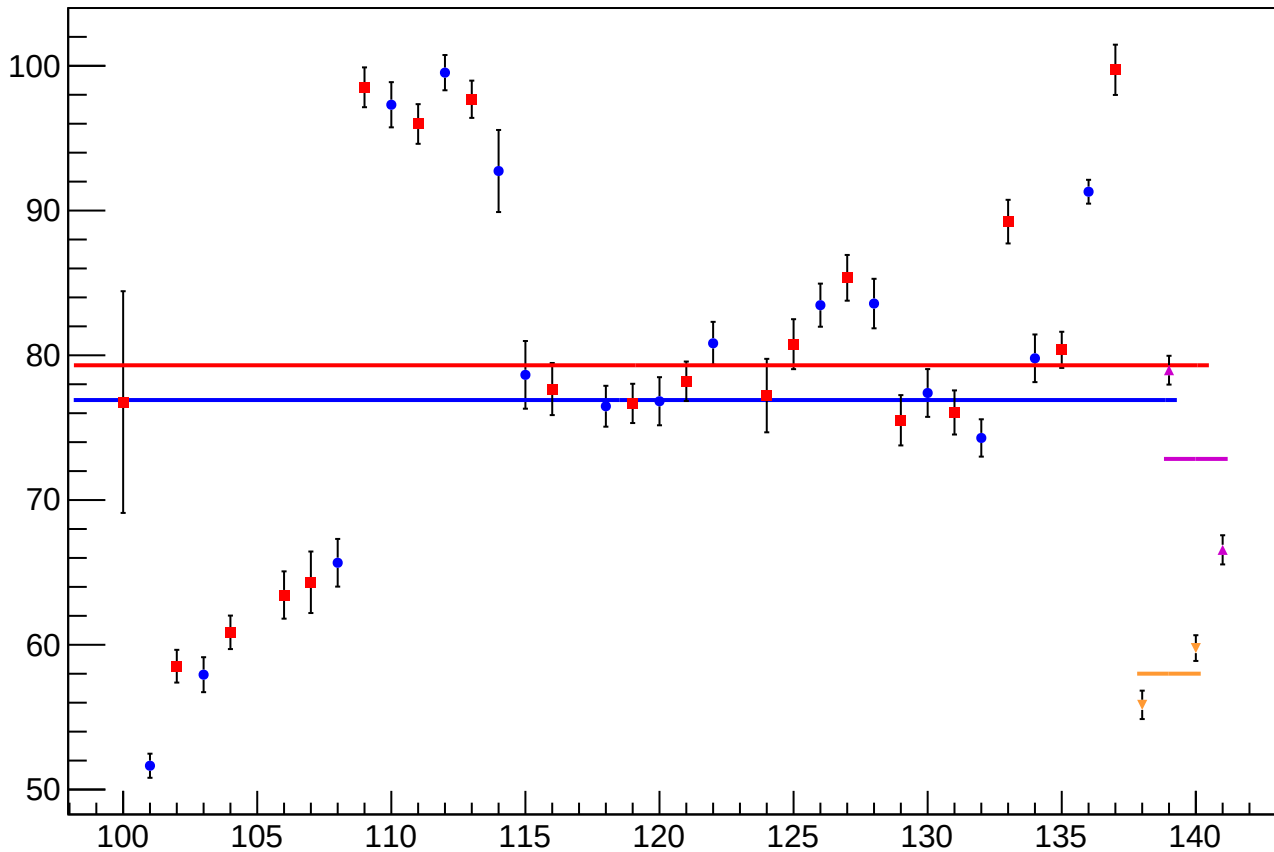
Left In: 1.187 ± 0.664 χ^2/NDF : 7.2/1

+ sign 3.239 ± 0.277 χ^2/NDF : 393.5/17

All: 4.054 ± 0.200 χ^2/NDF : 646.6/38

- sign 4.956 ± 0.291 χ^2/NDF : 234.7/20

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

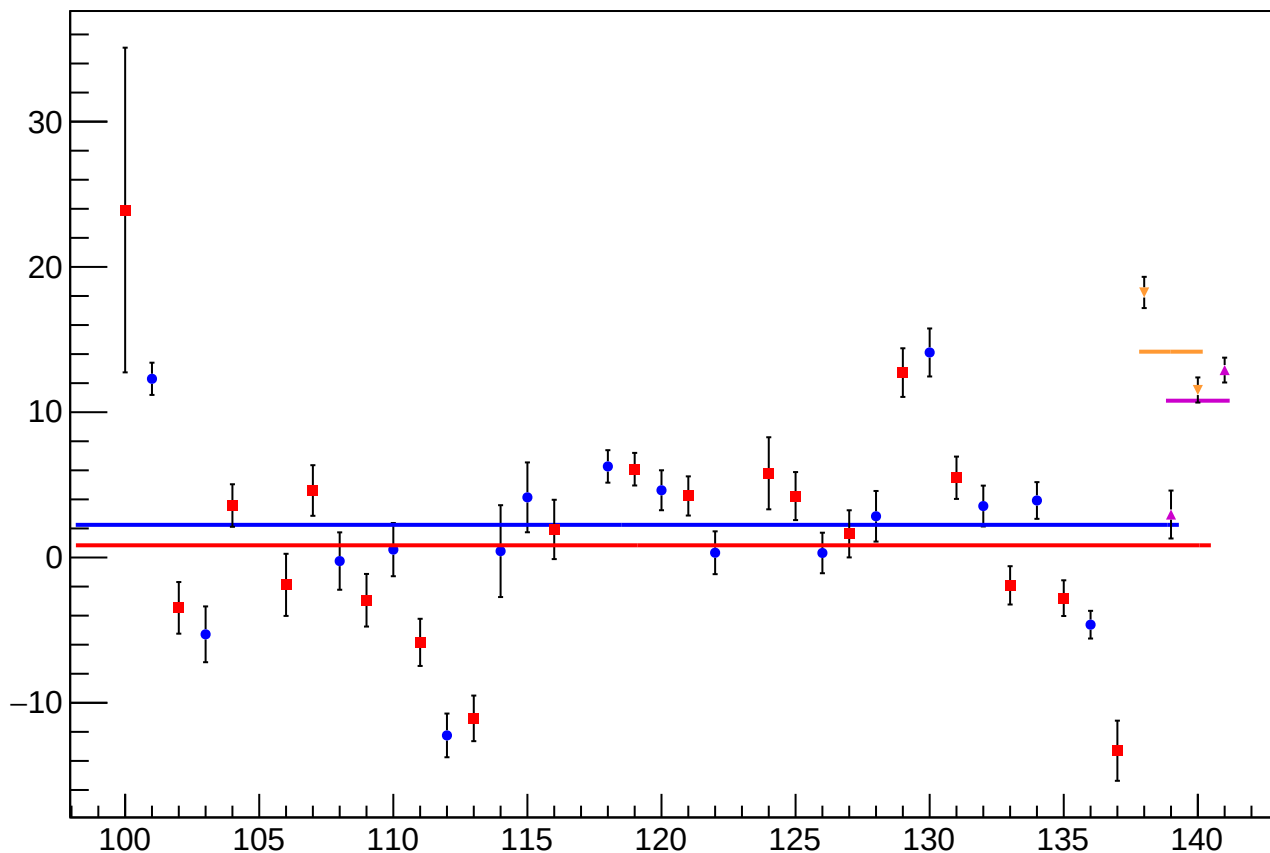
Left In: 72.842 $\pm$ 0.708 χ^2 /NDF: 76.8/1

+ sign 72.992 $\pm$ 0.300 χ^2 /NDF: 2777.3/17

All: 75.421 $\pm$ 0.216 χ^2 /NDF: 4554.3/38

- sign 78.053 $\pm$ 0.312 χ^2 /NDF: 1640.3/20

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248 $\pm$ 0.363 χ^2 /NDF: 319.6/15

Left Out: 14.167 $\pm$ 0.674 χ^2 /NDF:23.7/1

Right Out: 0.840 $\pm$ 0.372 χ^2 /NDF: 256.2/18

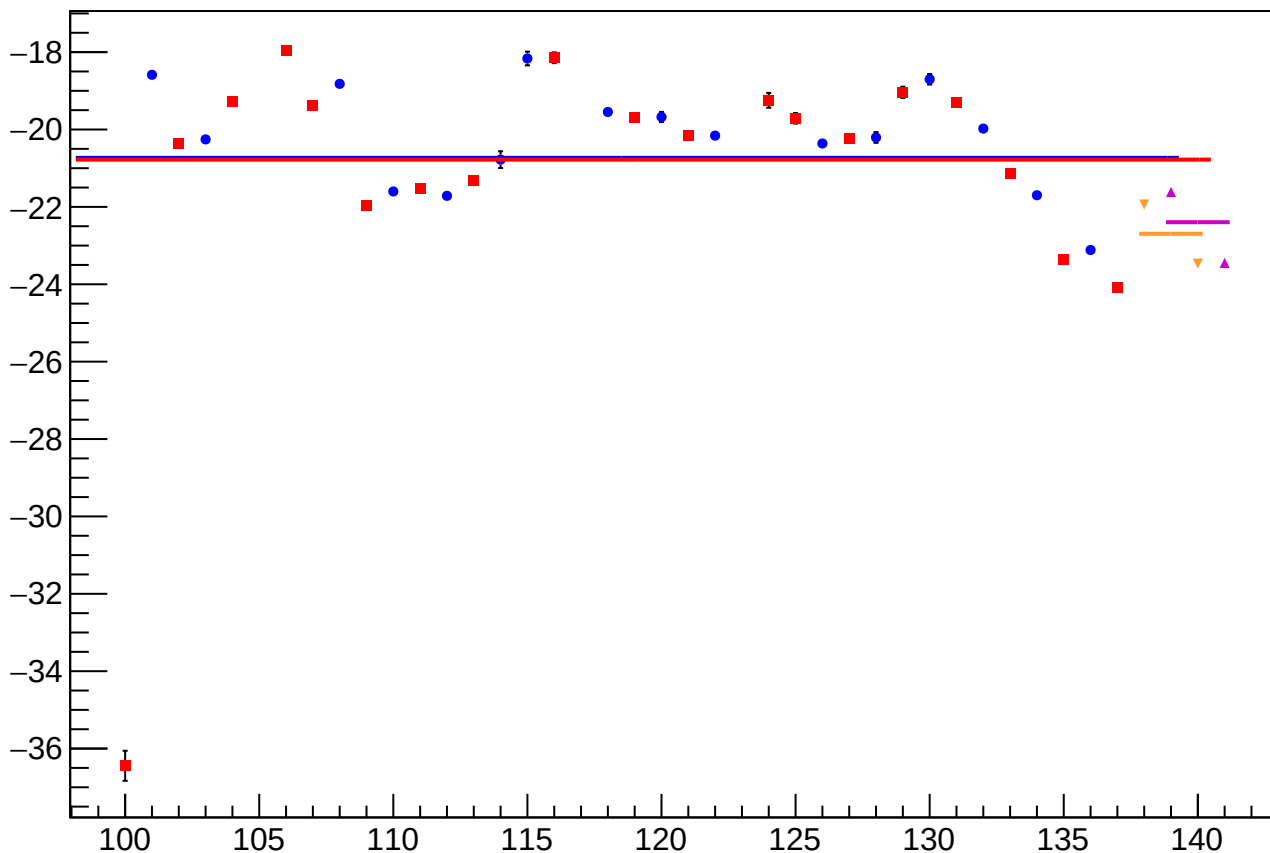
Left In: 10.793 $\pm$ 0.759 χ^2 /NDF:28.7/1

+ sign 4.930 $\pm$ 0.320 χ^2 /NDF: 585.8/17

All: 3.897 $\pm$ 0.231 χ^2 /NDF: 1031.2/38

- sign 2.768 $\pm$ 0.334 χ^2 /NDF: 423.5/20

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732 ± 0.019 χ^2/NDF : 7634.1/15

Left Out: -22.695 ± 0.028 χ^2/NDF : 753.5/1

Right Out: -20.778 ± 0.020 χ^2/NDF : 9426.6/18

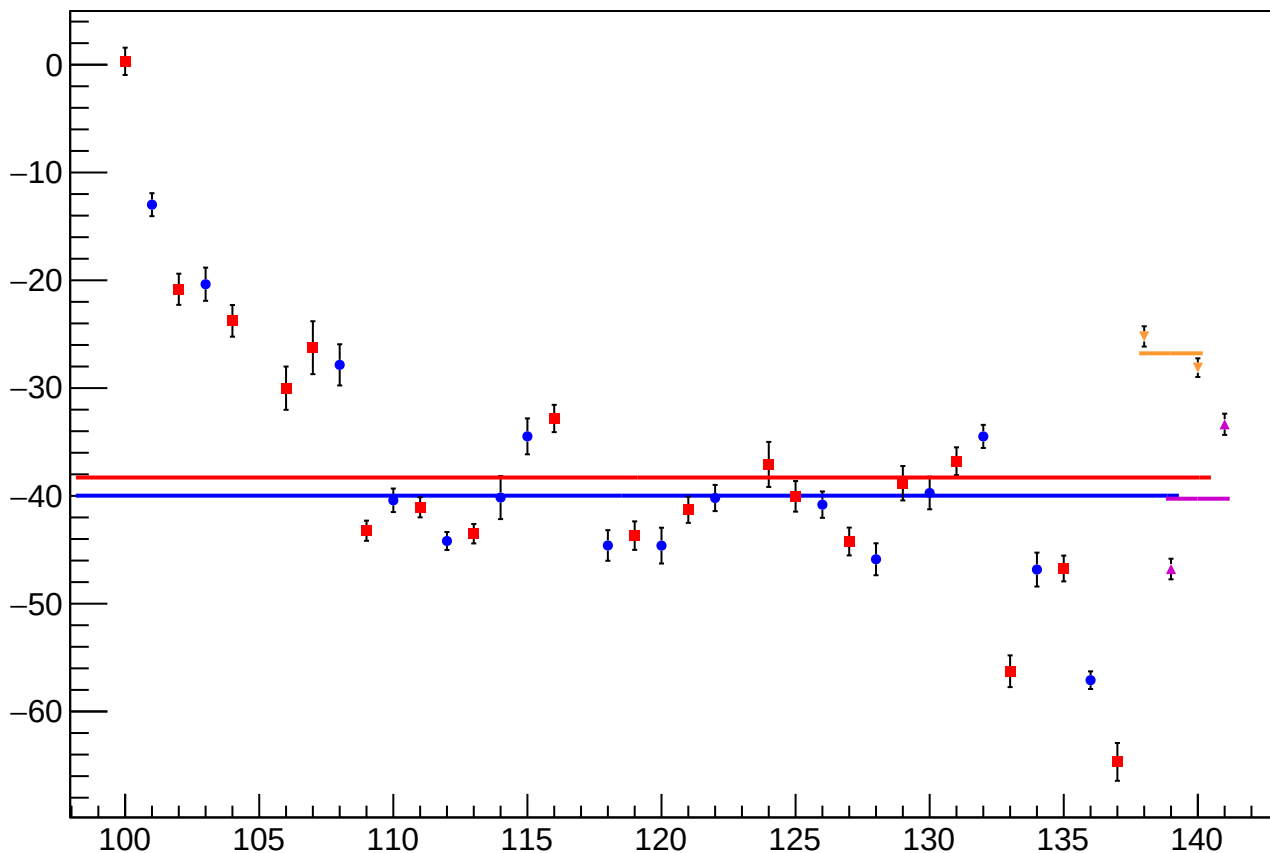
Left In: -22.395 ± 0.027 χ^2/NDF : 1132.8/1

+ sign -21.374 ± 0.016 χ^2/NDF : 11727.1/17

All: -21.368 ± 0.011 χ^2/NDF : 24596.7/38

- sign -21.361 ± 0.016 χ^2/NDF : 12869.3/20

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979 ± 0.311 χ^2/NDF : 1398.4/15

Left Out: -26.777 ± 0.638 χ^2/NDF : 5.1/1

Right Out: -38.295 ± 0.299 χ^2/NDF : 1773.8/18

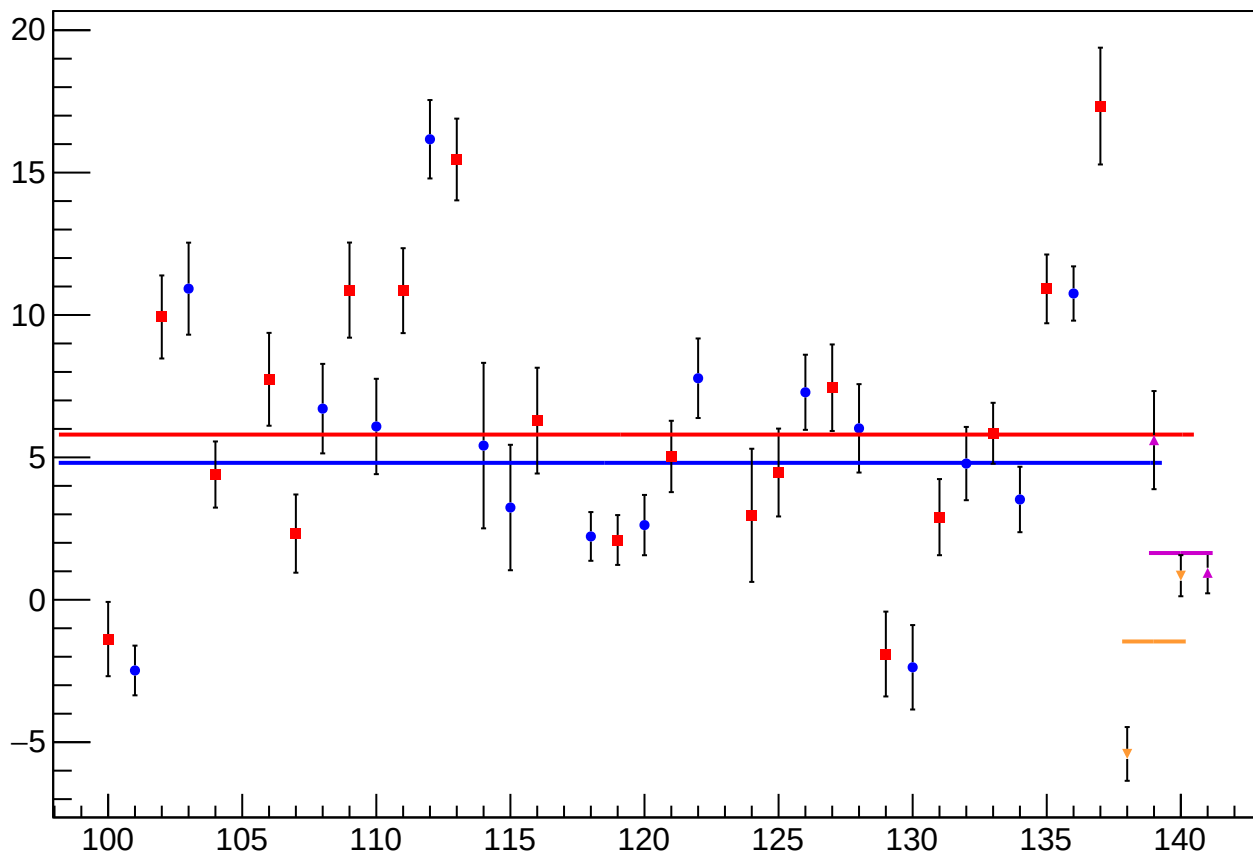
Left In: -40.262 ± 0.686 χ^2/NDF : 95.7/1

+ sign -37.442 ± 0.280 χ^2/NDF : 1749.7/17

All: -38.037 ± 0.196 χ^2/NDF : 3634.9/38

- sign -38.609 ± 0.274 χ^2/NDF : 1876.3/20

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808 $\pm$ 0.316 χ^2 /NDF: 240.5/15

Left Out: -1.464 $\pm$ 0.573 χ^2 /NDF: 27.7/1

Right Out: 5.801 $\pm$ 0.315 χ^2 /NDF: 216.4/18

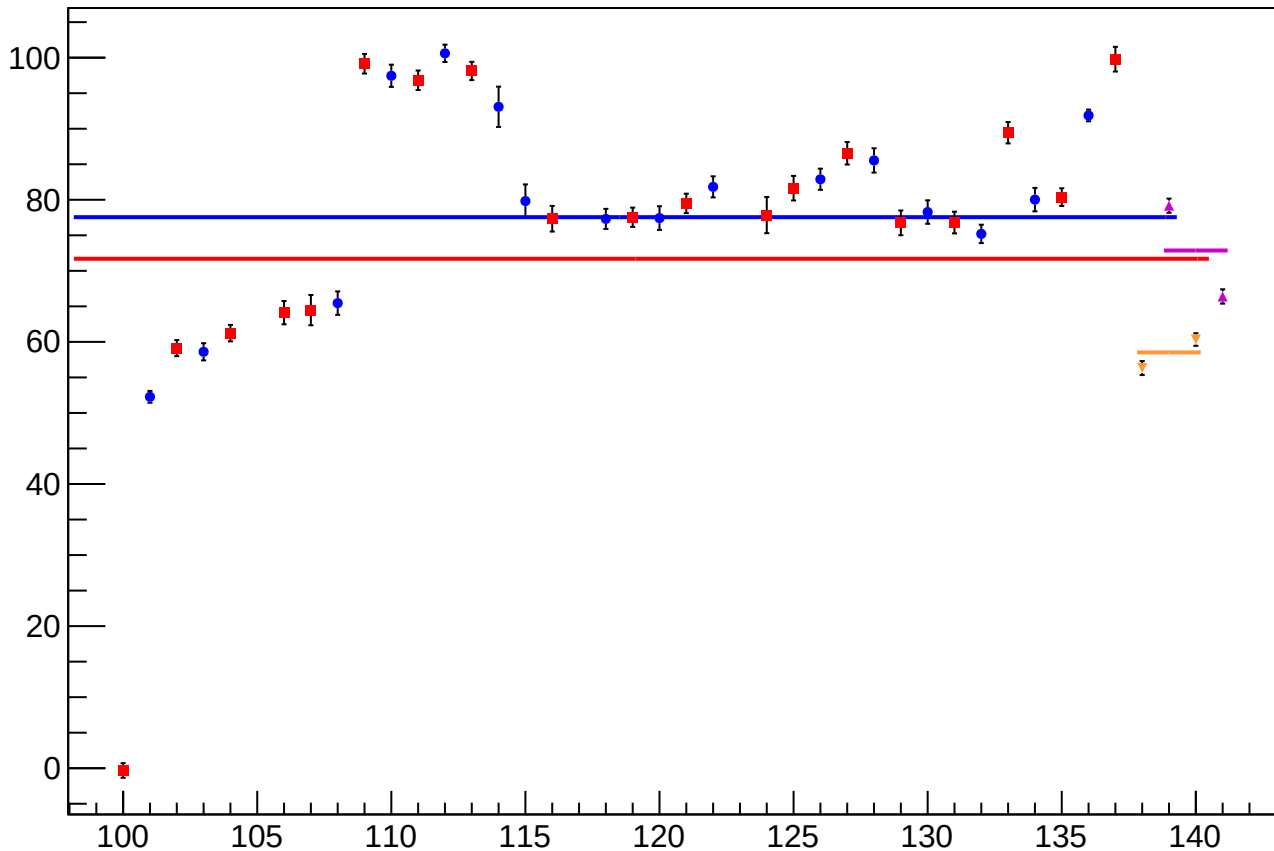
Left In: 1.642 $\pm$ 0.665 χ^2 /NDF: 6.2/1

+ sign 3.344 $\pm$ 0.277 χ^2 /NDF: 360.0/17

All: 4.168 $\pm$ 0.199 χ^2 /NDF: 632.8/38

- sign 5.039 $\pm$ 0.285 χ^2 /NDF: 254.6/20

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

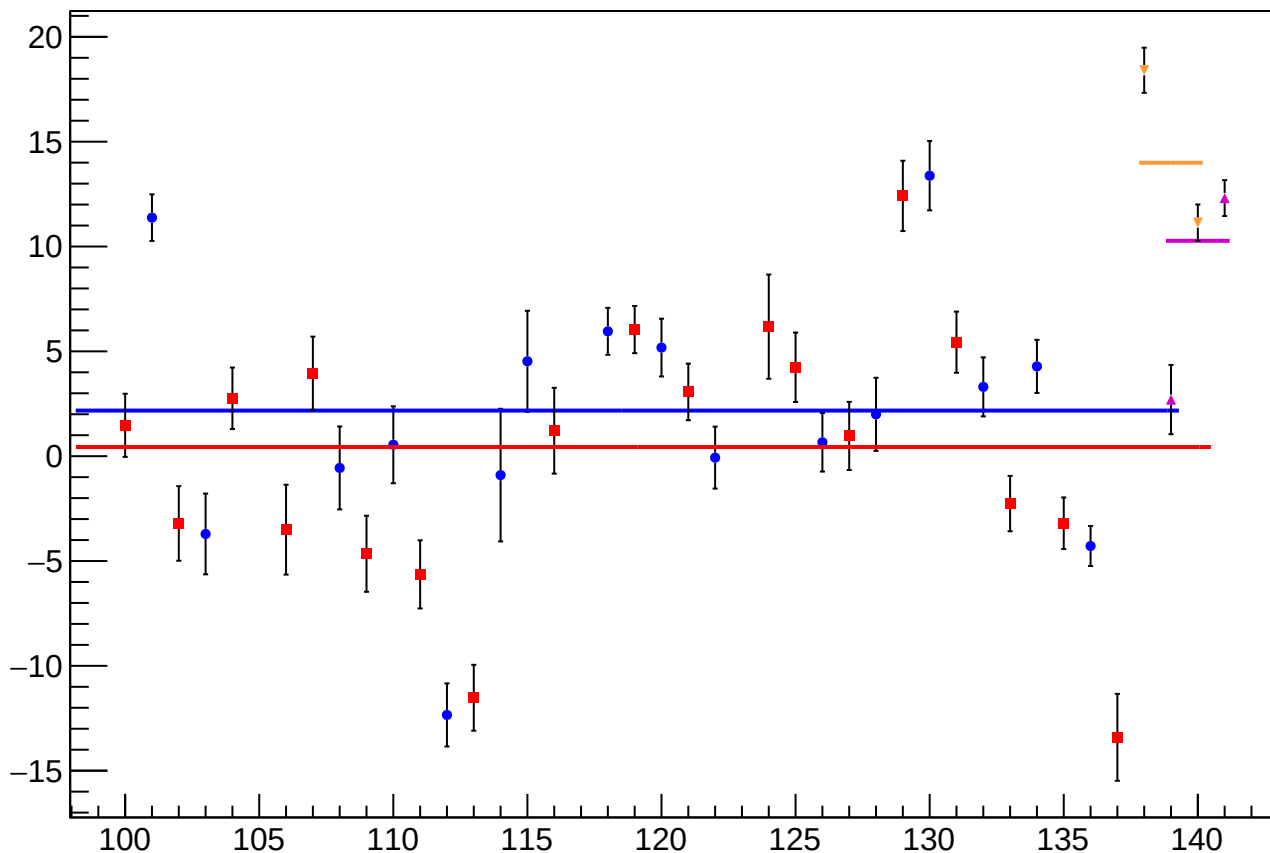
Left In: 72.861 $\pm$ 0.710 χ^2 /NDF: 81.0/1

+ sign 73.613 $\pm$ 0.300 χ^2 /NDF: 2786.3/17

All: 72.757 $\pm$ 0.212 χ^2 /NDF: 9789.3/38

- sign 71.906 $\pm$ 0.300 χ^2 /NDF: 6986.8/20

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175 ± 0.364 χ^2/NDF : 290.3/15

Left Out: 13.995 ± 0.675 χ^2/NDF : 27.7/1

Right Out: 0.438 ± 0.362 χ^2/NDF : 254.1/18

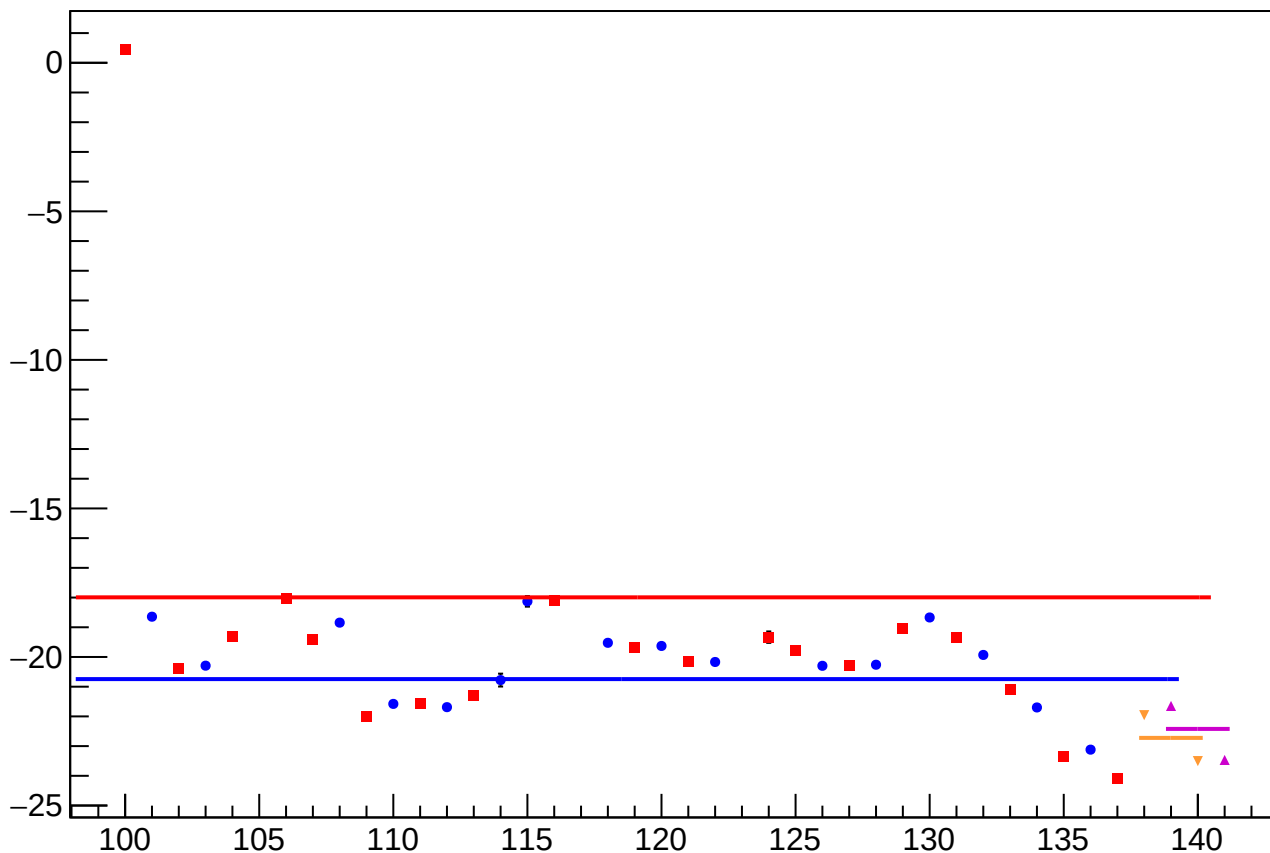
Left In: 10.272 ± 0.761 χ^2/NDF : 26.7/1

+ sign 4.833 ± 0.320 χ^2/NDF : 555.6/17

All: 3.570 ± 0.229 χ^2/NDF : 1004.5/38

- sign 2.253 ± 0.327 χ^2/NDF : 417.1/20

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745 ± 0.019 $\chi^2/\text{NDF}: 7513.6/15$

Left Out: -22.723 ± 0.028 $\chi^2/\text{NDF}: 767.1/1$

Right Out: -17.993 ± 0.019 $\chi^2/\text{NDF}: 150579.1/18$

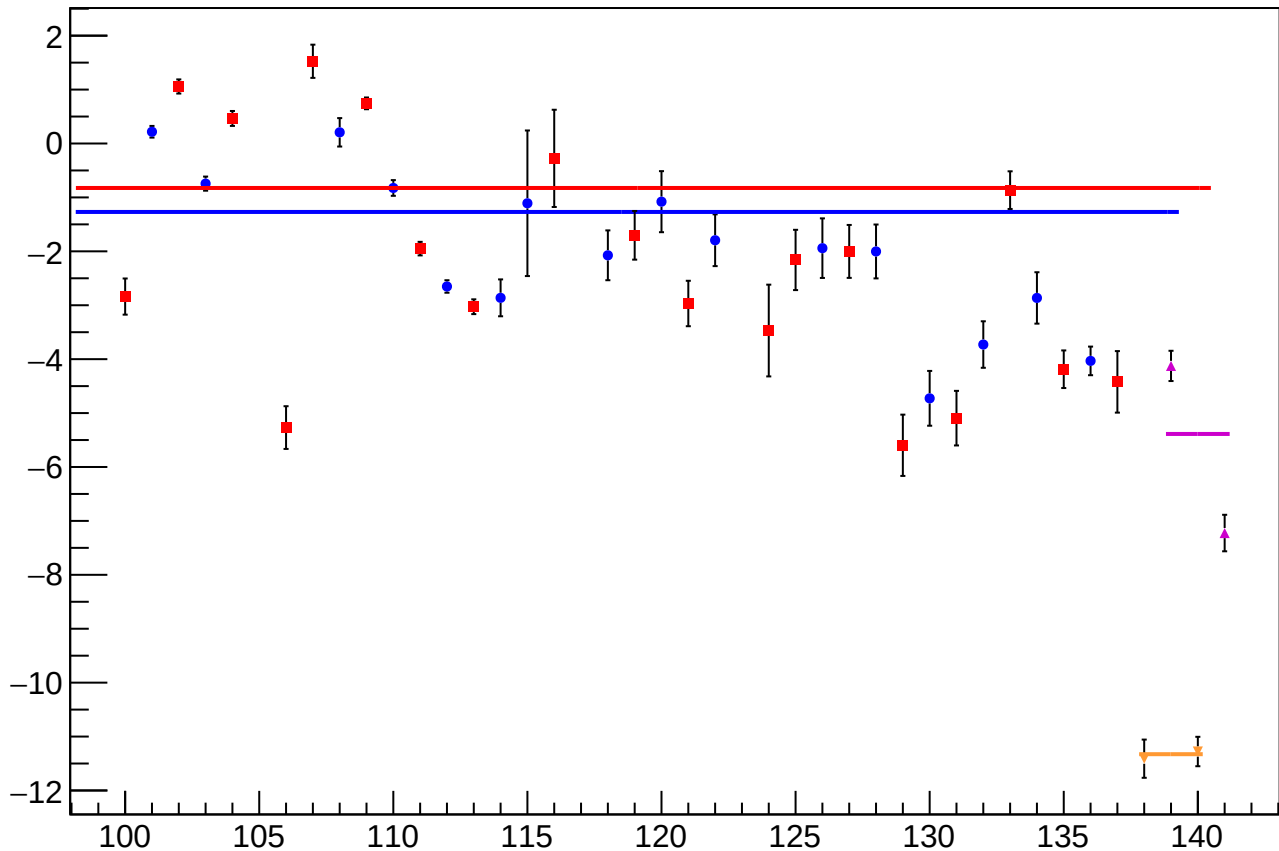
Left In: -22.421 ± 0.027 $\chi^2/\text{NDF}: 1109.9/1$

+ sign -21.391 ± 0.016 $\chi^2/\text{NDF}: 11663.2/17$

All: -20.390 ± 0.011 $\chi^2/\text{NDF}: 189086.2/38$

- sign -19.450 ± 0.015 $\chi^2/\text{NDF}: 169788.0/20$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270 ± 0.055 χ^2/NDF : 616.5/15

Left Out: -11.327 ± 0.216 χ^2/NDF : 0.1/1

Right Out: -0.825 ± 0.051 χ^2/NDF : 1384.3/18

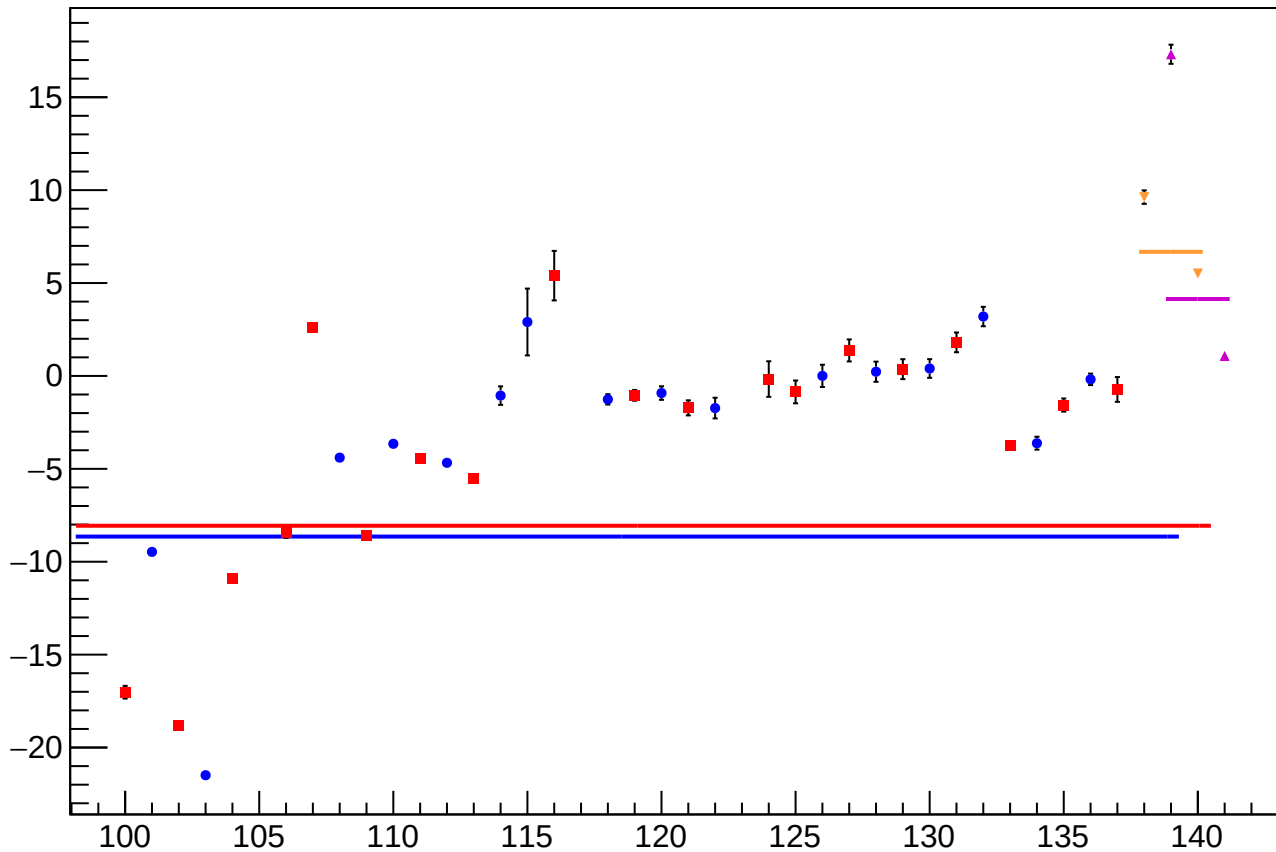
Left In: -5.387 ± 0.216 χ^2/NDF : 49.7/1

+ sign -1.871 ± 0.053 χ^2/NDF : 2651.7/17

All: -1.444 ± 0.036 χ^2/NDF : 4631.4/38

- sign -1.066 ± 0.050 χ^2/NDF : 1856.5/20

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645 ± 0.057 χ^2/NDF : 13827.6/15

Left Out: 6.680 ± 0.194 χ^2/NDF : 91.3/1

Right Out: -8.063 ± 0.058 χ^2/NDF : 14427.9/18

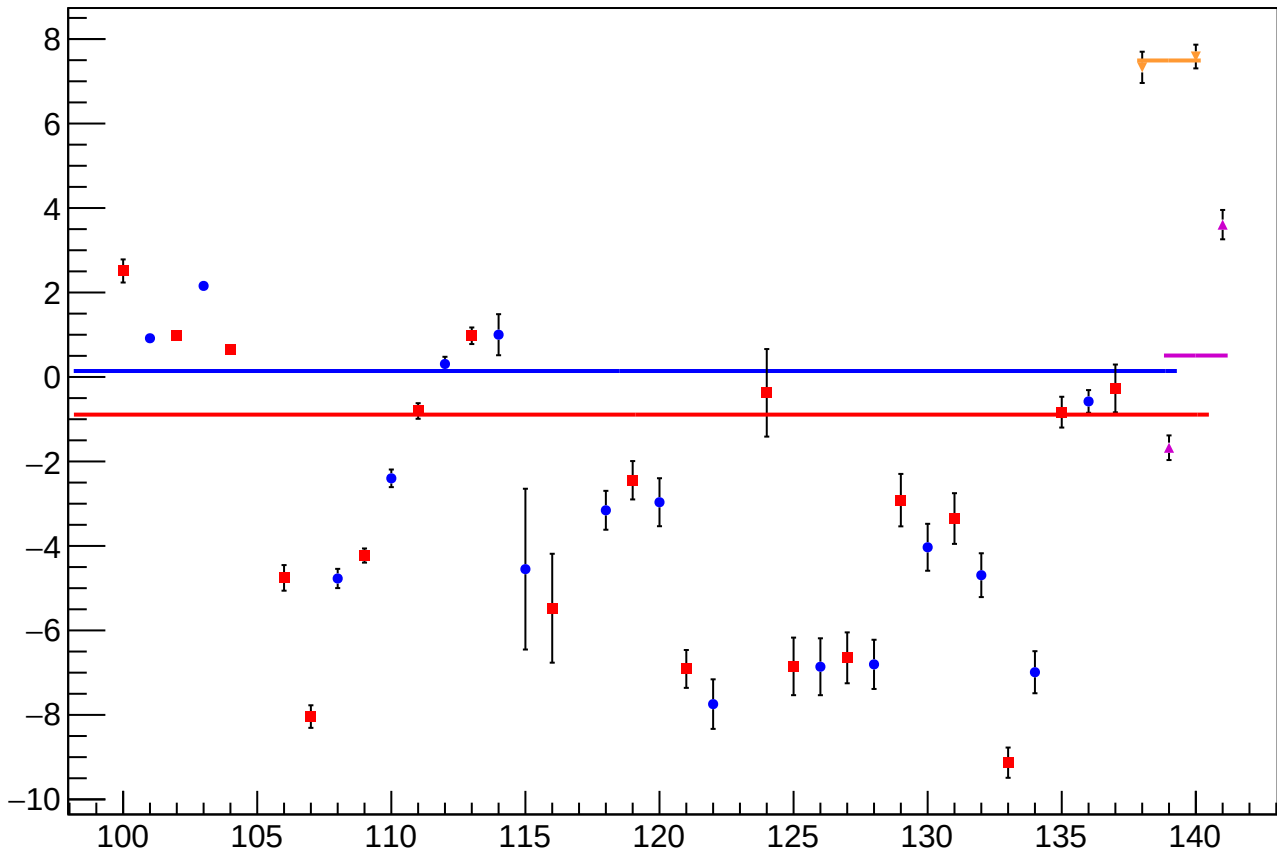
Left In: 4.140 ± 0.224 χ^2/NDF : 805.7/1

+ sign -7.430 ± 0.055 χ^2/NDF : 19661.8/17

All: -7.370 ± 0.039 χ^2/NDF : 37687.1/38

- sign -7.307 ± 0.056 χ^2/NDF : 18022.8/20

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141 ± 0.053 χ^2/NDF : 1959.8/15

Left Out: 7.493 ± 0.224 χ^2/NDF : 0.3/1

Right Out: -0.891 ± 0.054 χ^2/NDF : 2985.7/18

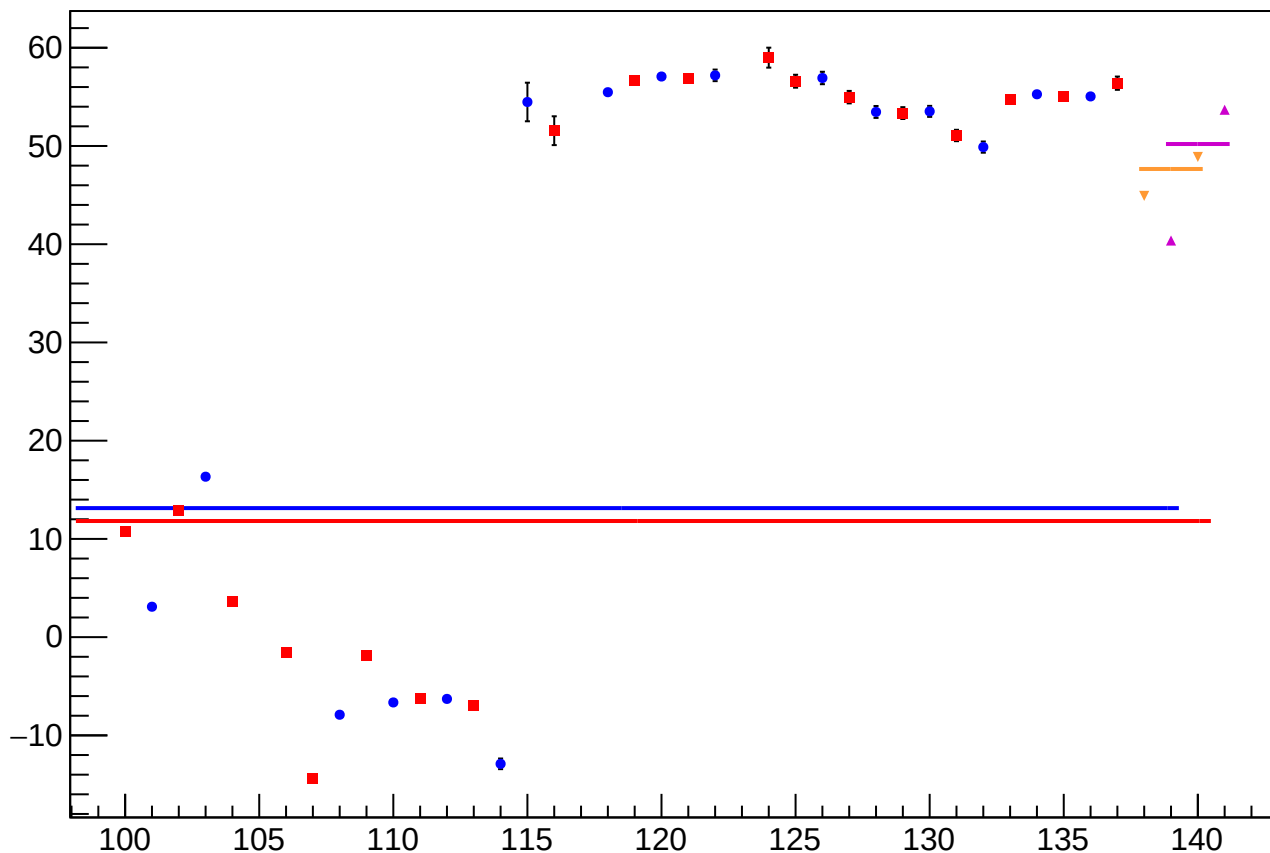
Left In: 0.508 ± 0.223 χ^2/NDF : 135.6/1

+ sign 0.532 ± 0.052 χ^2/NDF : 2983.7/17

All: -0.134 ± 0.037 χ^2/NDF : 6479.6/38

- sign -0.815 ± 0.052 χ^2/NDF : 3158.4/20

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136 $\pm$ 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

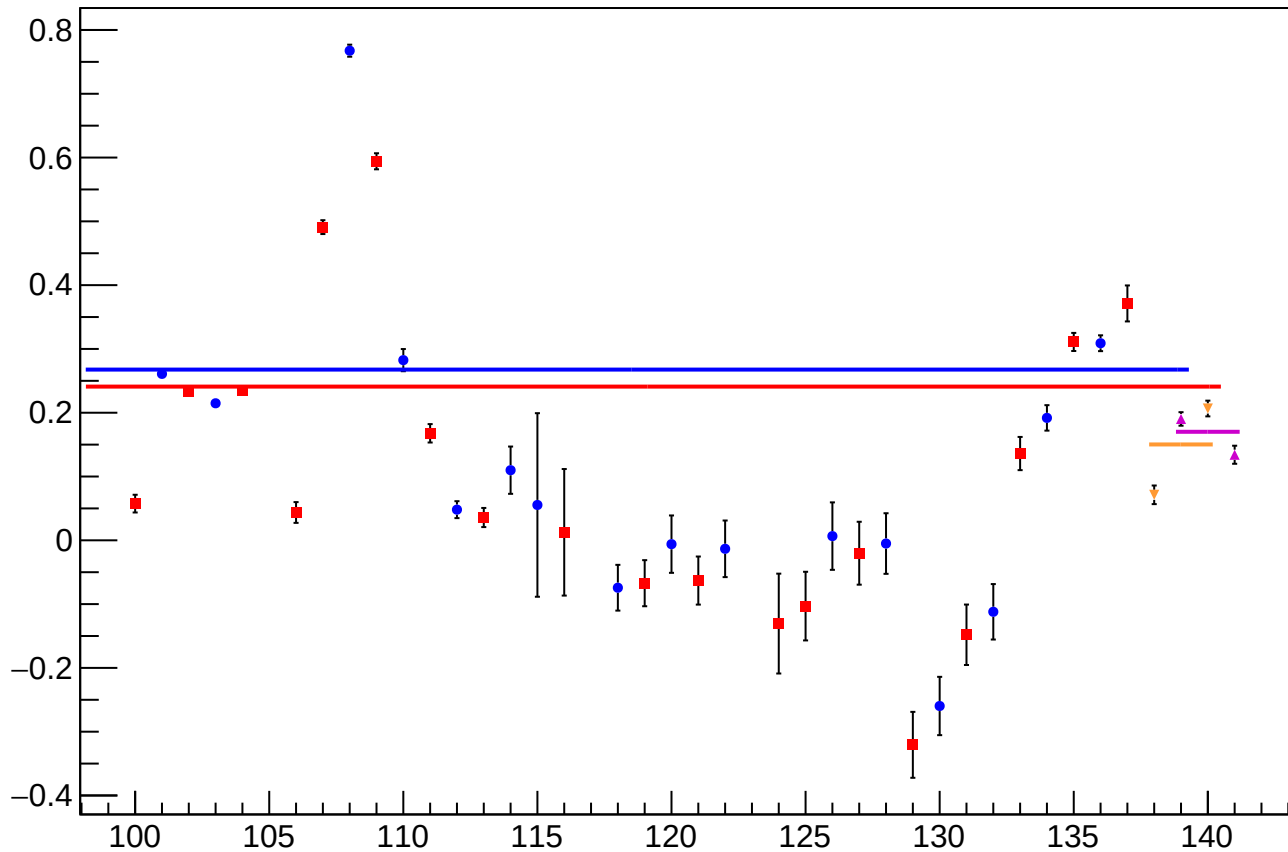
Left In: 50.200 $\pm$ 0.253 χ^2 /NDF: 533.9/1

+ sign 15.934 $\pm$ 0.065 χ^2 /NDF: 129562.9/17

All: 15.167 $\pm$ 0.046 χ^2 /NDF: 269948.9/38

- sign 14.390 $\pm$ 0.066 χ^2 /NDF: 140106.7/20

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268 $\pm$ 0.003 χ^2 /NDF: 3720.4/15

Left Out: 0.150 $\pm$ 0.009 χ^2 /NDF:50.2/1

Right Out: 0.241 $\pm$ 0.003 χ^2 /NDF: 2339.2/18

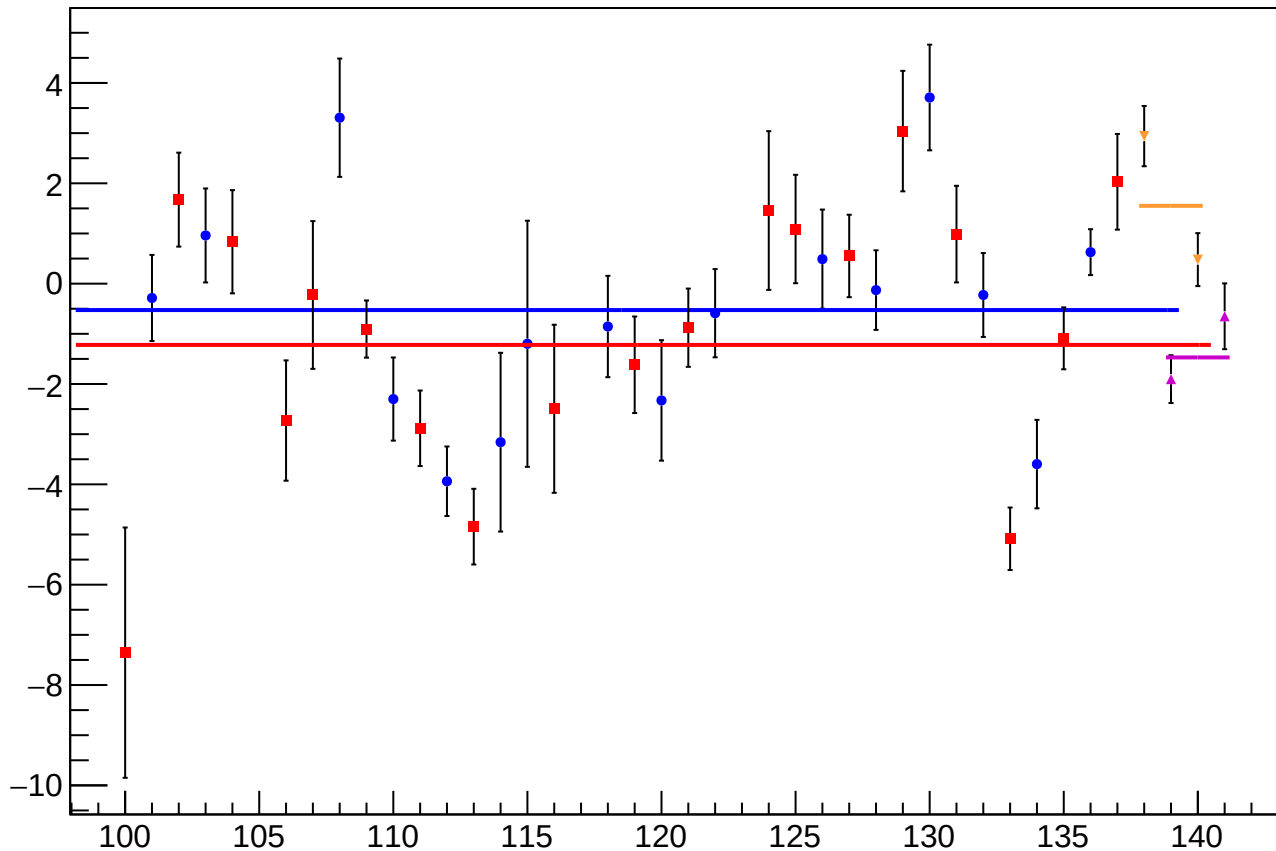
Left In: 0.170 $\pm$ 0.008 χ^2 /NDF:10.1/1

+ sign 0.258 $\pm$ 0.003 χ^2 /NDF: 3913.3/17

All: 0.246 $\pm$ 0.002 χ^2 /NDF: 6366.5/38

- sign 0.234 $\pm$ 0.003 χ^2 /NDF: 2412.4/20

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527 ± 0.217 χ^2/NDF : 82.7/15

Left Out: 1.551 ± 0.396 χ^2/NDF : 9.5/1

Right Out: -1.221 ± 0.205 χ^2/NDF : 130.9/18

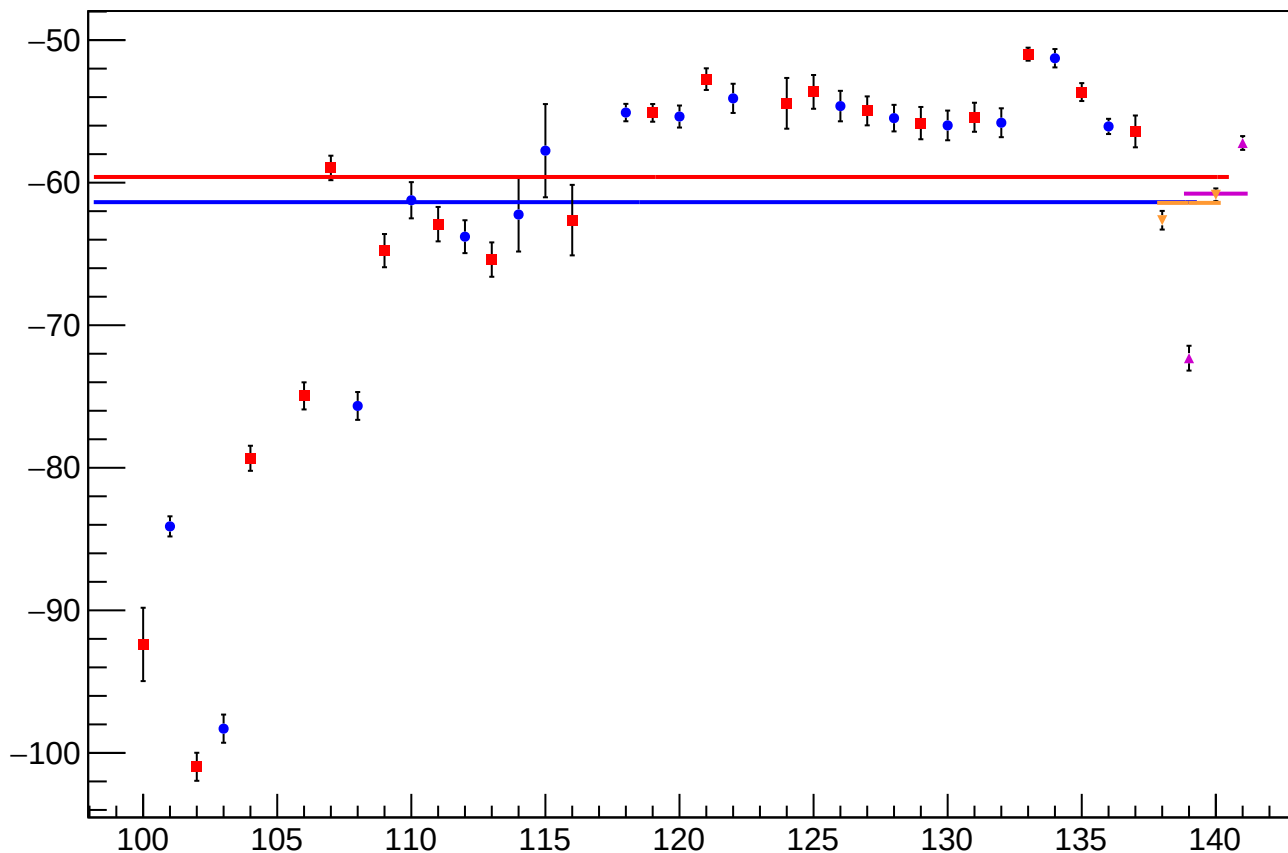
Left In: -1.470 ± 0.385 χ^2/NDF : 2.4/1

+ sign -0.047 ± 0.190 χ^2/NDF : 113.3/17

All: -0.694 ± 0.131 χ^2/NDF : 268.9/38

- sign -1.276 ± 0.181 χ^2/NDF : 133.6/20

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367 ± 0.219 χ^2/NDF : 3351.2/15

Left Out: -61.418 ± 0.369 χ^2/NDF : 5.1/1

Right Out: -59.601 ± 0.207 χ^2/NDF : 3421.3/18

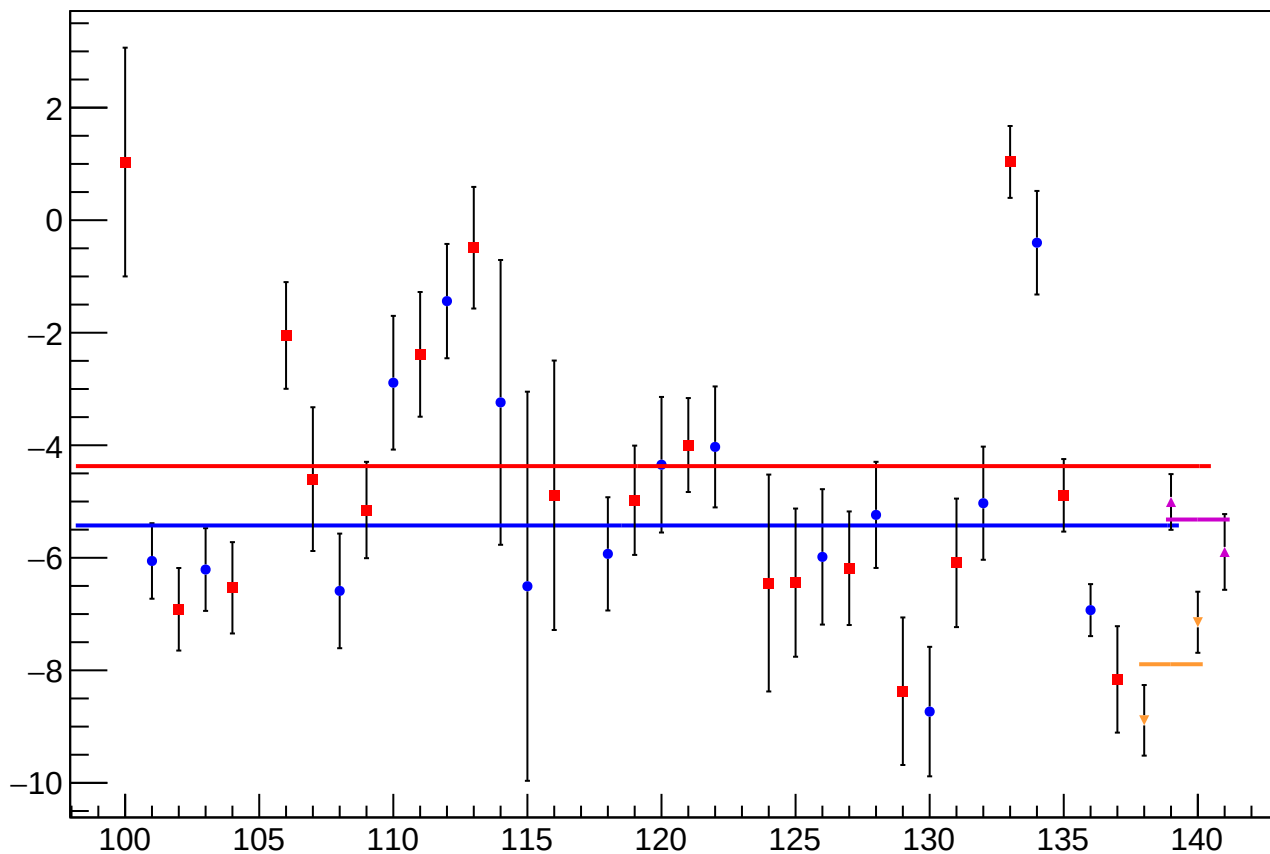
Left In: -60.771 ± 0.423 χ^2/NDF : 229.6/1

+ sign -61.380 ± 0.188 χ^2/NDF : 3356.3/17

All: -60.592 ± 0.132 χ^2/NDF : 7047.9/38

- sign -59.827 ± 0.186 χ^2/NDF : 3657.0/20

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425 ± 0.230 χ^2/NDF : 76.0/15

Left Out: -7.892 ± 0.411 χ^2/NDF : 4.4/1

Right Out: -4.371 ± 0.223 χ^2/NDF : 156.6/18

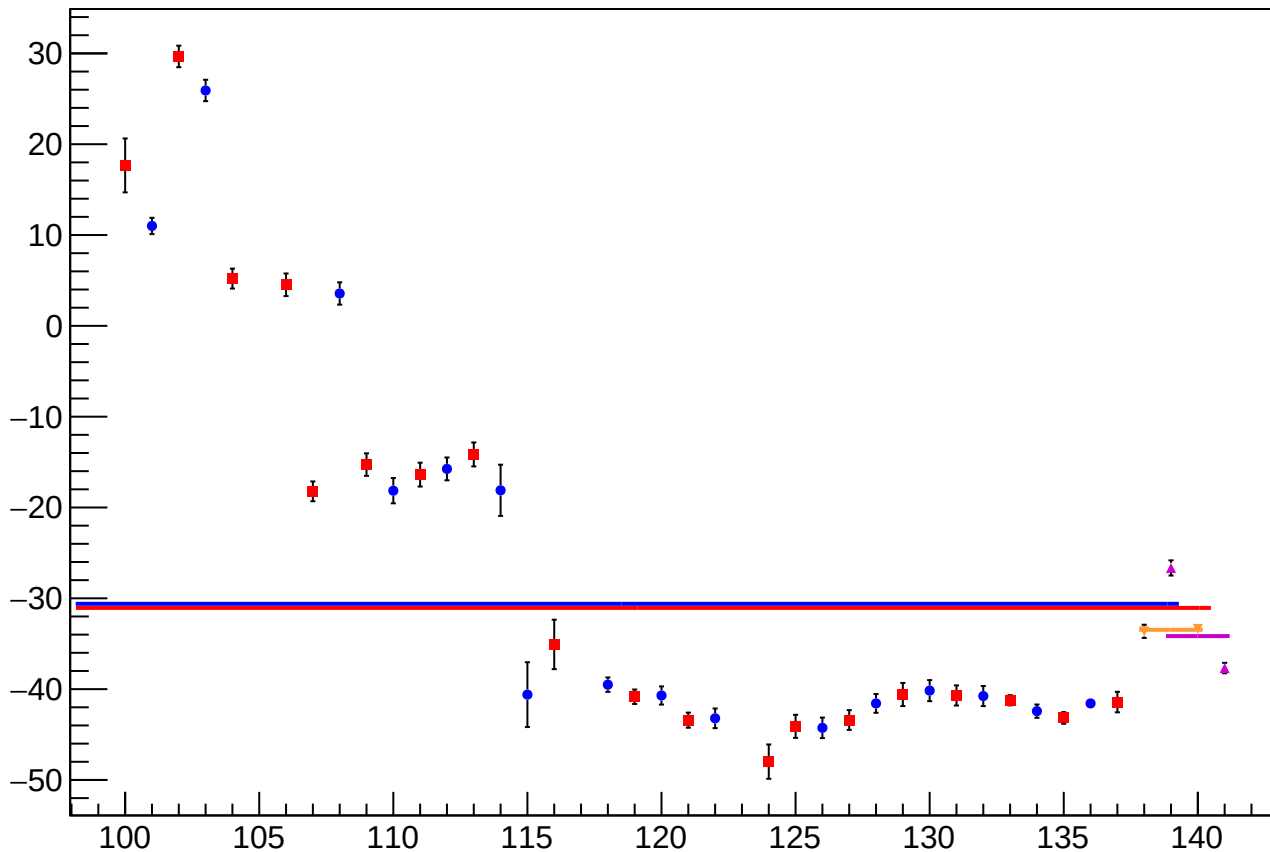
Left In: -5.320 ± 0.399 χ^2/NDF : 1.1/1

+ sign -6.014 ± 0.201 χ^2/NDF : 107.8/17

All: -5.282 ± 0.140 χ^2/NDF : 295.7/38

- sign -4.596 ± 0.194 χ^2/NDF : 162.1/20

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605 ± 0.249 χ^2/NDF : 6938.0/15

Left Out: -33.465 ± 0.431 χ^2/NDF : 0.1/1

Right Out: -31.056 ± 0.238 χ^2/NDF : 6976.4/18

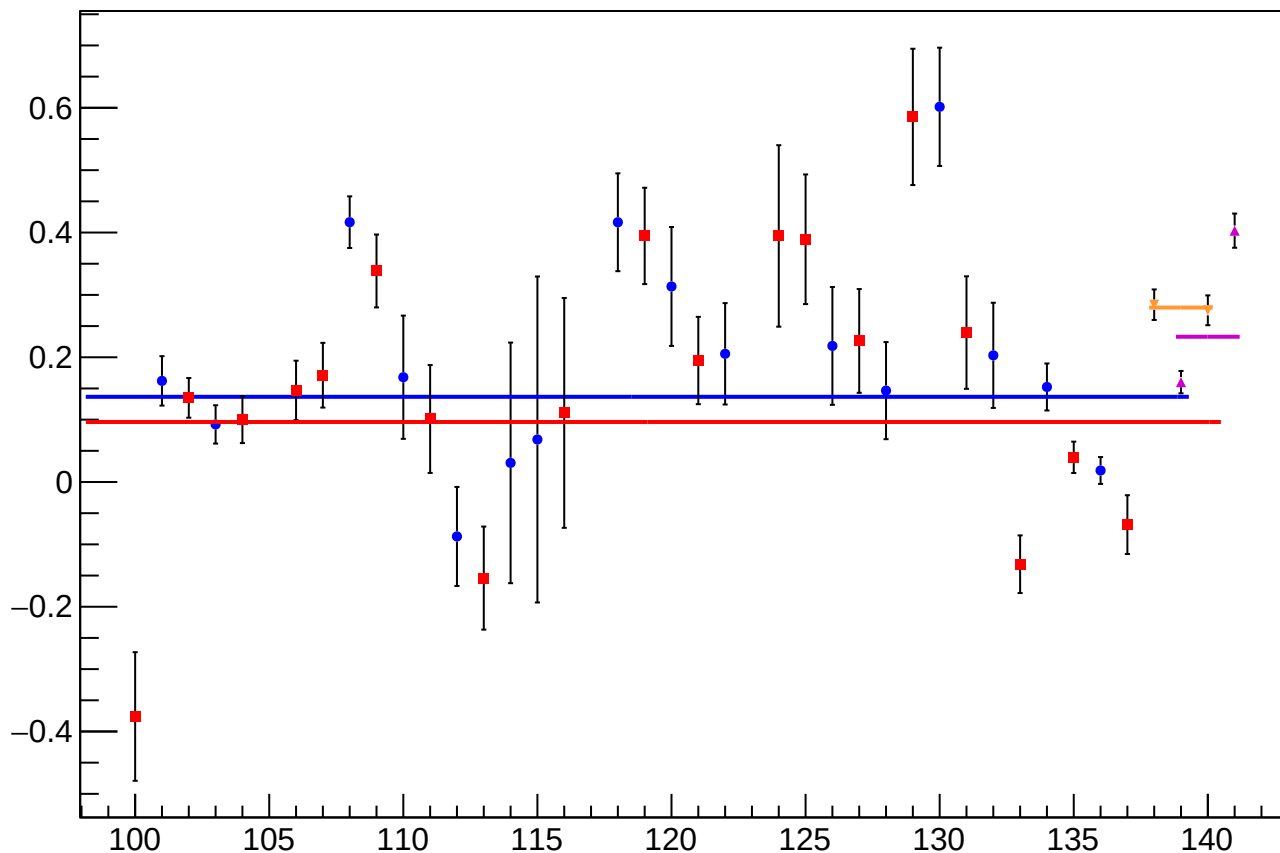
Left In: -34.160 ± 0.473 χ^2/NDF : 118.2/1

+ sign -31.323 ± 0.216 χ^2/NDF : 6971.1/17

All: -31.506 ± 0.151 χ^2/NDF : 14101.6/38

- sign -31.683 ± 0.212 χ^2/NDF : 7129.1/20

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137 ± 0.013 χ^2/NDF : 129.2/15

Left Out: 0.280 ± 0.017 χ^2/NDF : 0.1/1

Right Out: 0.096 ± 0.012 χ^2/NDF : 147.7/18

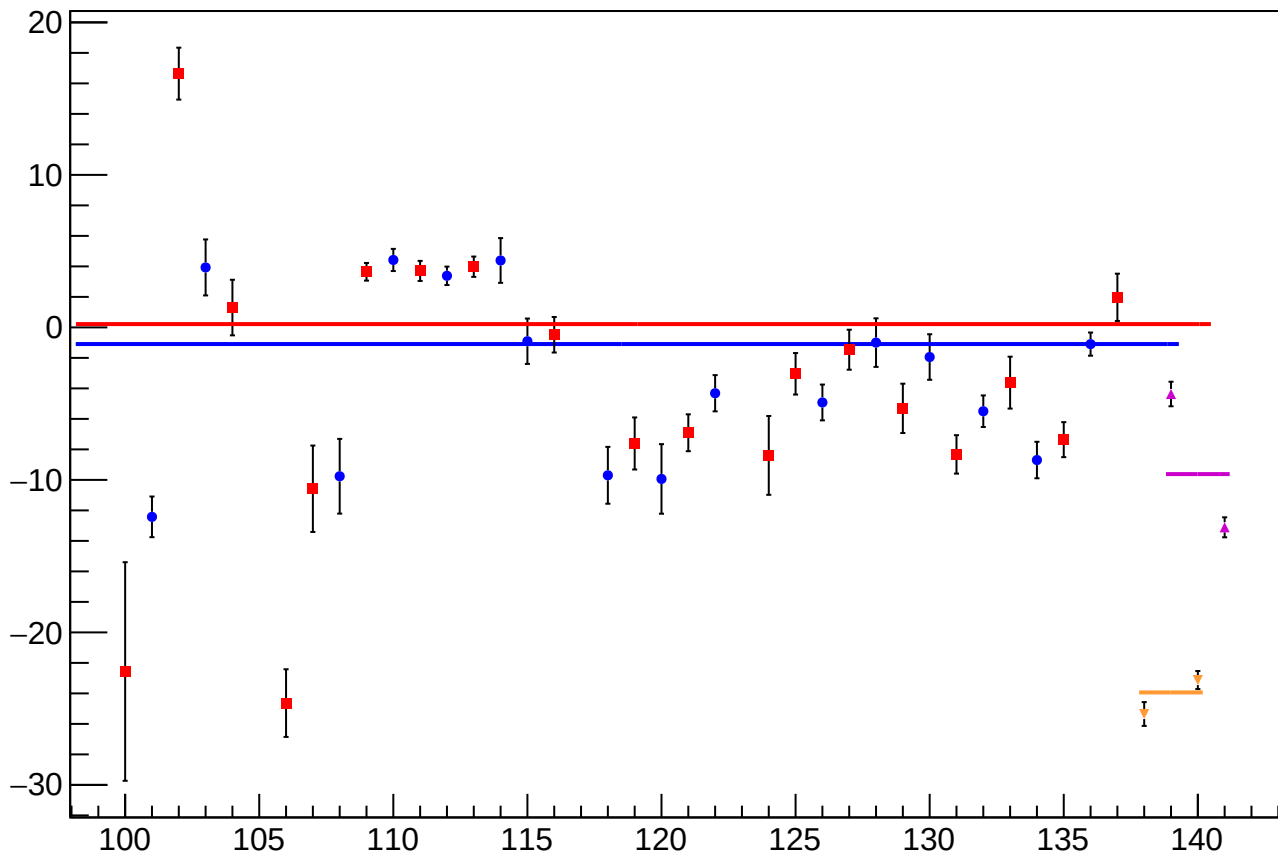
Left In: 0.233 ± 0.015 χ^2/NDF : 55.0/1

+ sign 0.186 ± 0.010 χ^2/NDF : 174.9/17

All: 0.168 ± 0.007 χ^2/NDF : 433.5/38

- sign 0.151 ± 0.010 χ^2/NDF : 252.2/20

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092 ± 0.281 χ^2/NDF : 332.0/15

Left Out: -23.937 ± 0.472 χ^2/NDF : 5.2/1

Right Out: 0.216 ± 0.266 χ^2/NDF : 520.8/18

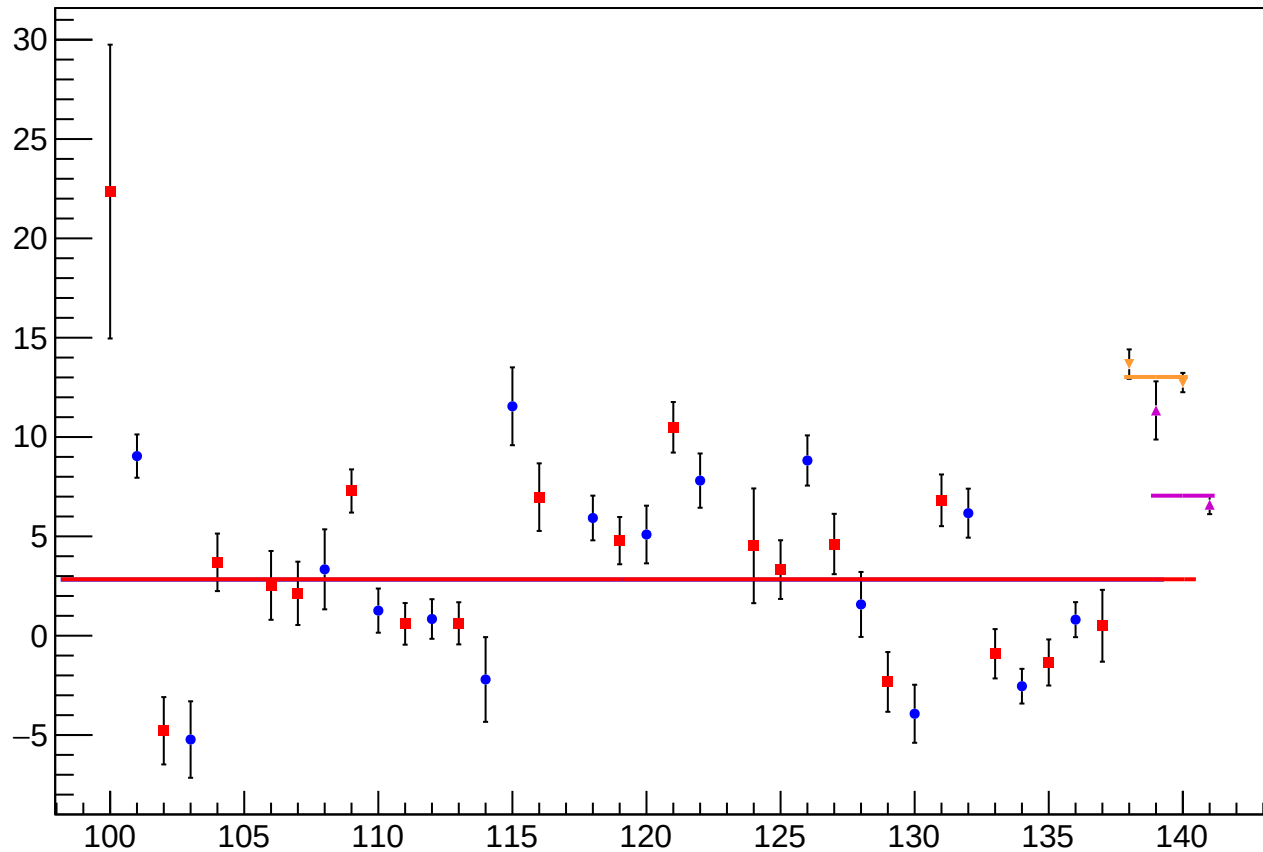
Left In: -9.619 ± 0.508 χ^2/NDF : 71.0/1

+ sign -7.060 ± 0.241 χ^2/NDF : 2069.0/17

All: -4.423 ± 0.169 χ^2/NDF : 3188.7/38

- sign -1.902 ± 0.236 χ^2/NDF : 885.8/20

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823 ± 0.313 χ^2/NDF : 199.6/15

Left Out: 13.023 ± 0.406 χ^2/NDF : 1.1/1

Right Out: 2.840 ± 0.322 χ^2/NDF : 145.0/18

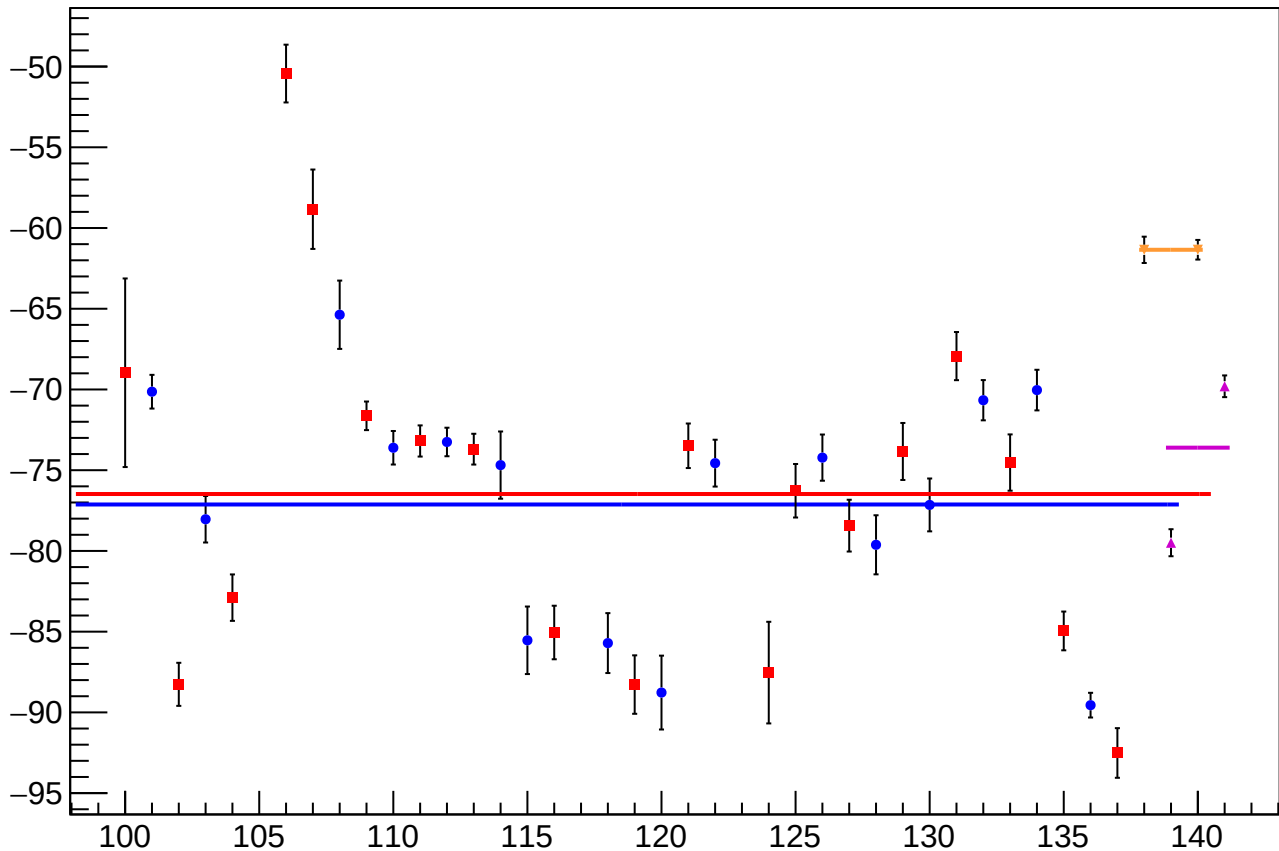
Left In: 7.048 ± 0.452 χ^2/NDF : 9.5/1

+ sign 6.627 ± 0.248 χ^2/NDF : 595.6/17

All: 5.508 ± 0.180 χ^2/NDF : 850.5/38

- sign 4.257 ± 0.262 χ^2/NDF : 211.8/20

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123 ± 0.326 χ^2/NDF : 503.3/15

Left Out: -61.348 ± 0.488 χ^2/NDF : 0.0/1

Right Out: -76.475 ± 0.328 χ^2/NDF : 695.8/18

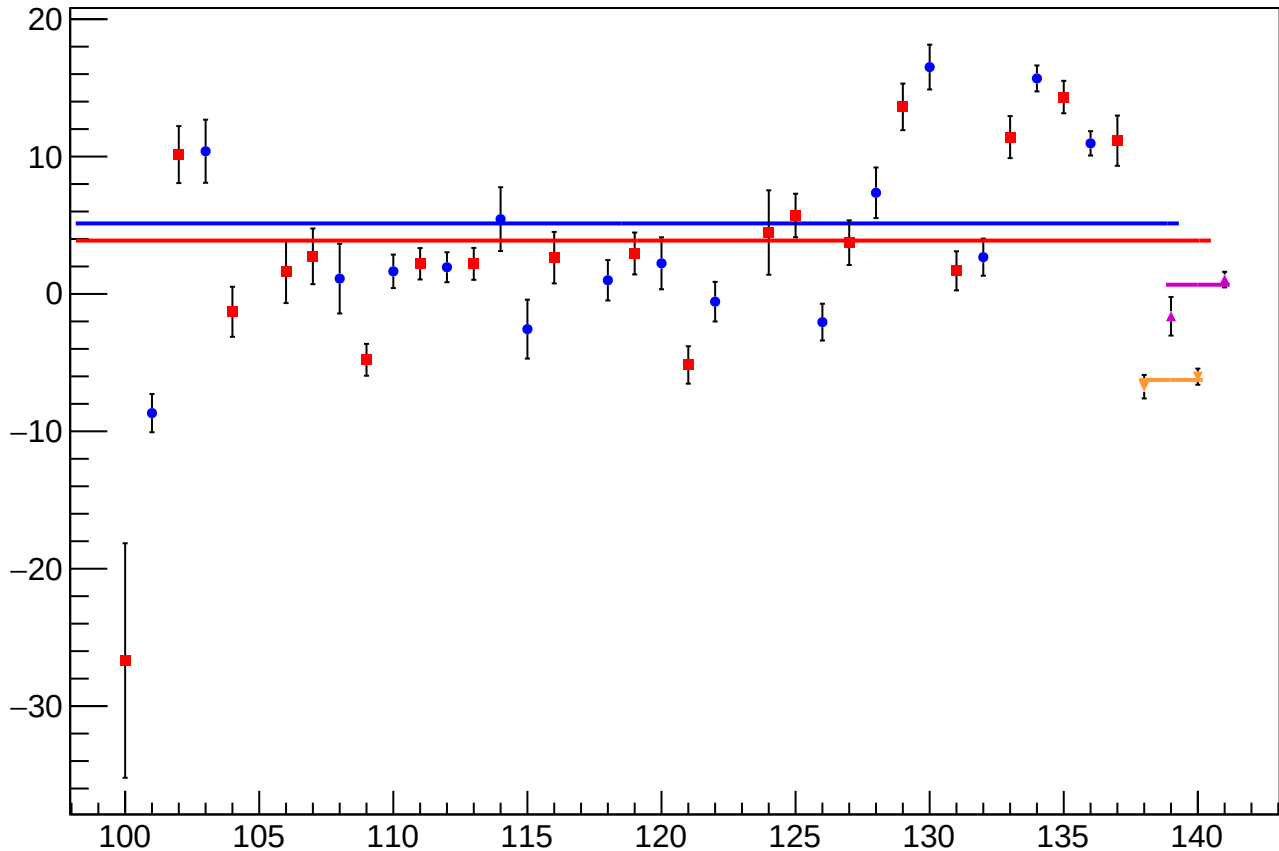
Left In: -73.604 ± 0.524 χ^2/NDF : 81.4/1

+ sign -72.244 ± 0.271 χ^2/NDF : 1226.2/17

All: -73.910 ± 0.194 χ^2/NDF : 2102.5/38

- sign -75.665 ± 0.278 χ^2/NDF : 798.8/20

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132 ± 0.350 χ^2/NDF : 412.3/15

Left Out: -6.256 ± 0.484 χ^2/NDF : 0.5/1

Right Out: 3.885 ± 0.361 χ^2/NDF : 291.5/18

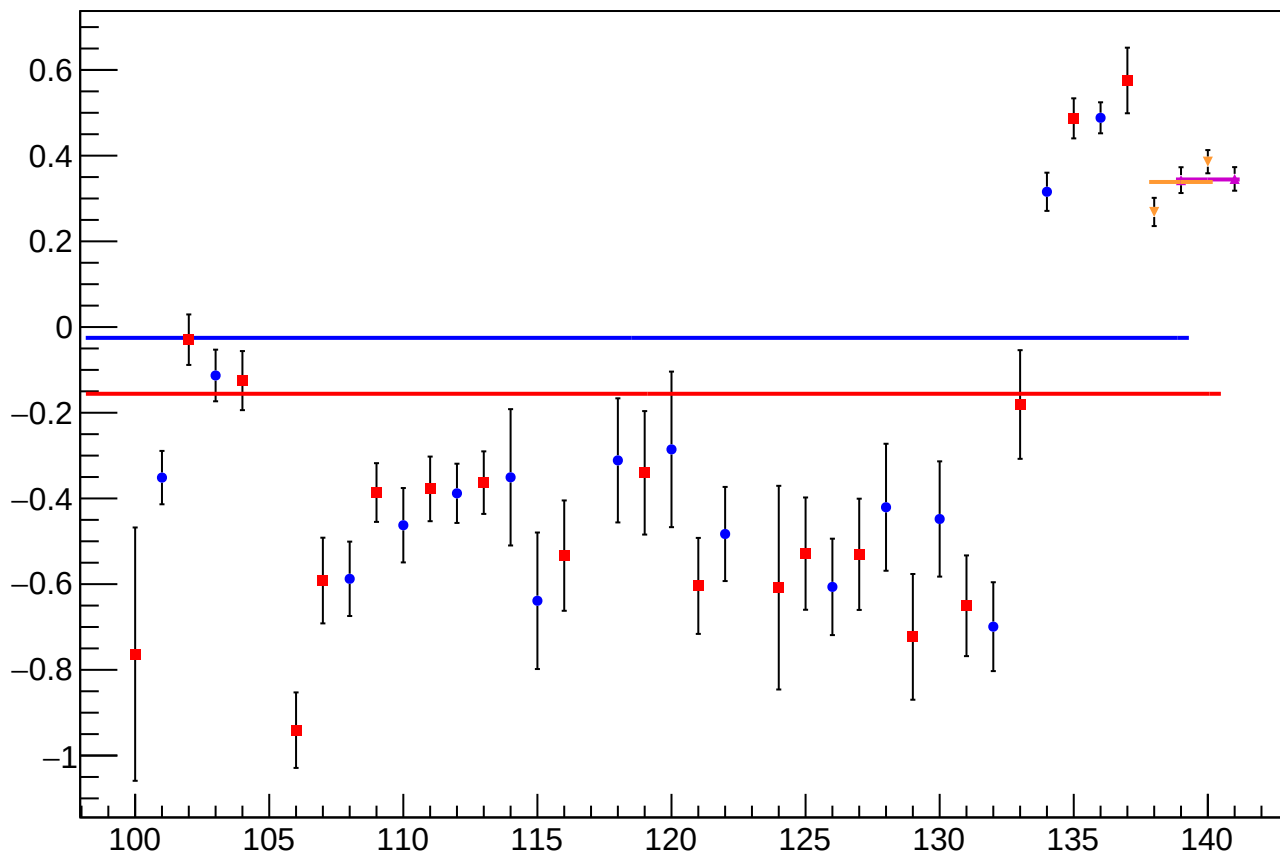
Left In: 0.670 ± 0.526 χ^2/NDF : 3.1/1

+ sign 1.223 ± 0.283 χ^2/NDF : 776.9/17

All: 1.998 ± 0.205 χ^2/NDF : 1112.5/38

- sign 2.854 ± 0.298 χ^2/NDF : 319.9/20

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025 ± 0.019 χ^2/NDF : 512.5/15

Left Out: 0.339 ± 0.021 χ^2/NDF : 7.6/1

Right Out: -0.156 ± 0.020 χ^2/NDF : 494.9/18

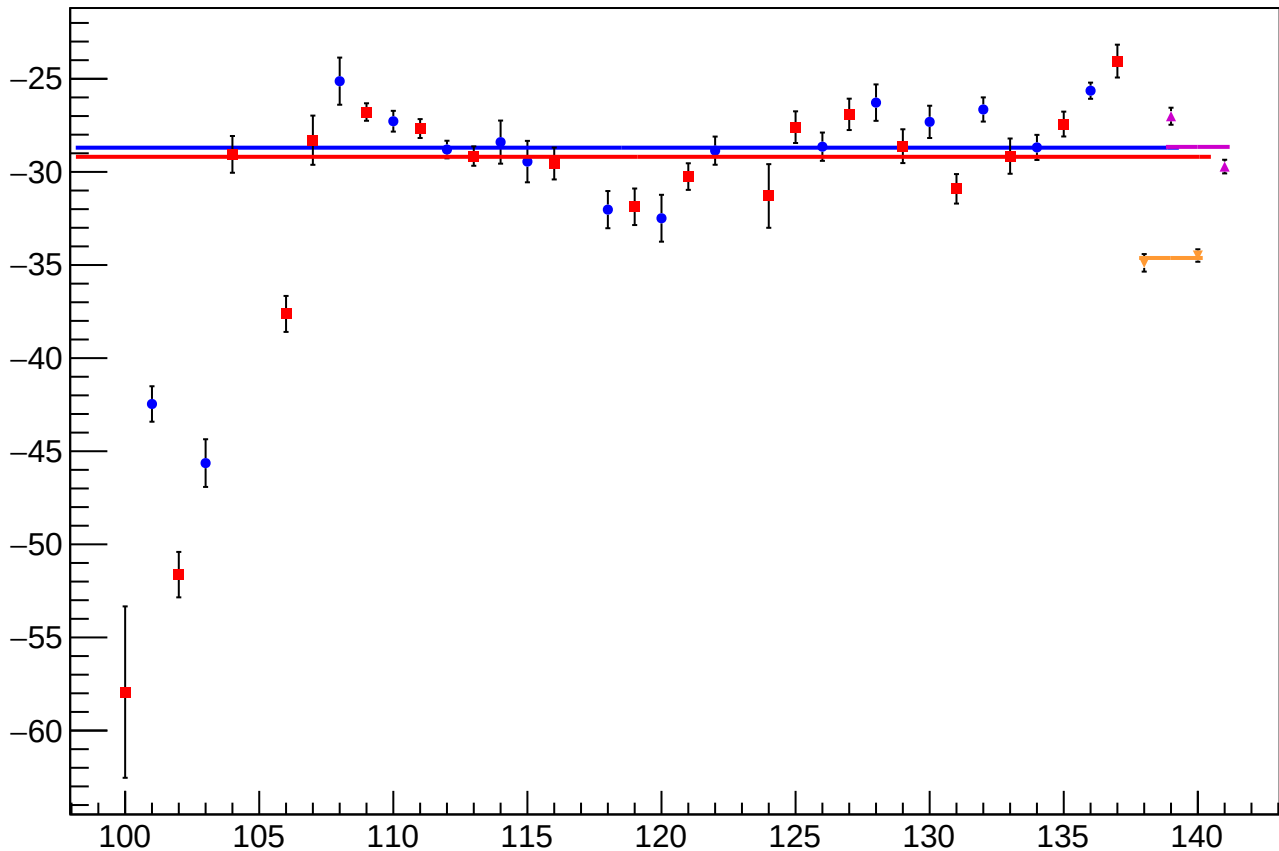
Left In: 0.344 ± 0.020 χ^2/NDF : 0.0/1

+ sign 0.139 ± 0.014 χ^2/NDF : 686.2/17

All: 0.116 ± 0.010 χ^2/NDF : 1490.8/38

- sign 0.093 ± 0.014 χ^2/NDF : 799.4/20

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698 ± 0.186 χ^2/NDF : 487.3/15

Left Out: -34.622 ± 0.273 χ^2/NDF : 0.5/1

Right Out: -29.189 ± 0.181 χ^2/NDF : 557.3/18

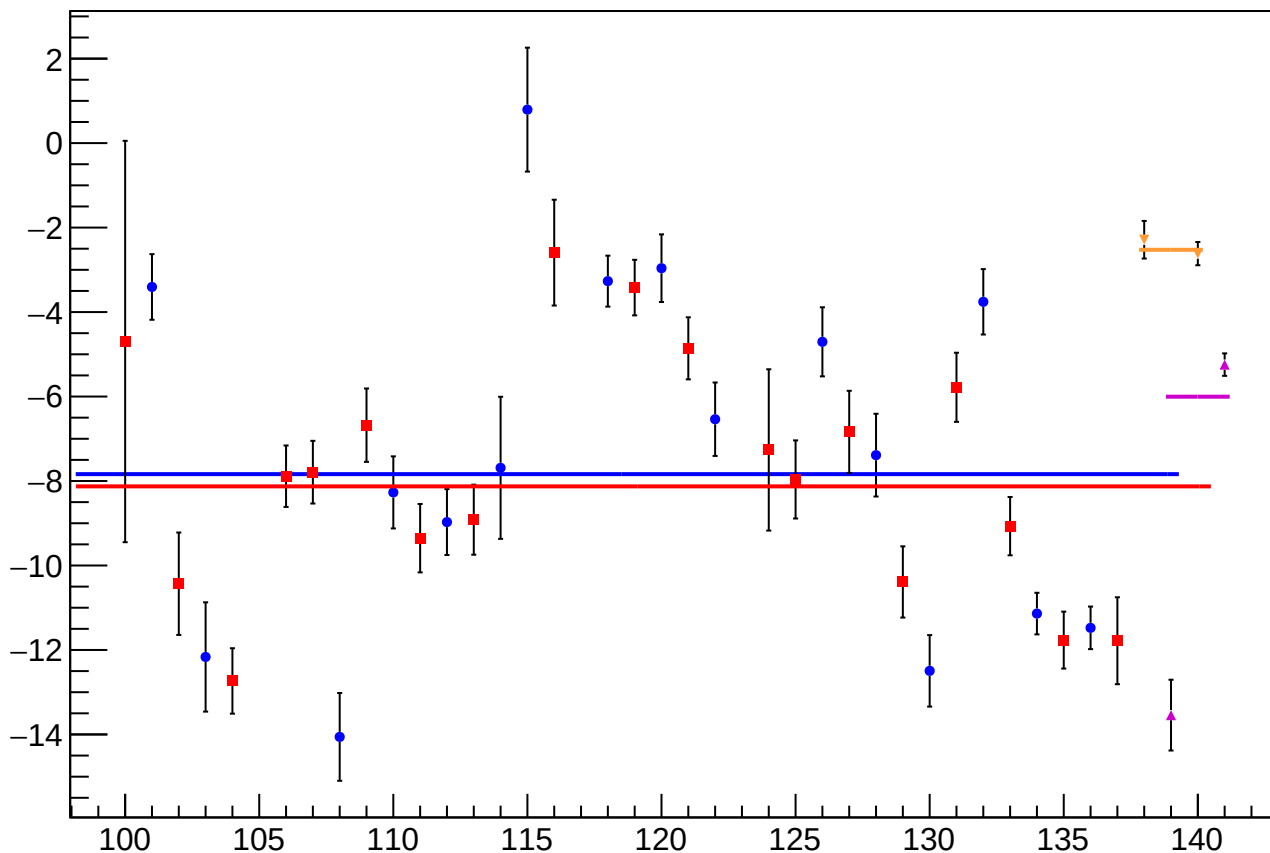
Left In: -28.656 ± 0.286 χ^2/NDF : 21.3/1

+ sign -30.575 ± 0.154 χ^2/NDF : 809.4/17

All: -29.803 ± 0.108 χ^2/NDF : 1440.7/38

- sign -29.036 ± 0.153 χ^2/NDF : 581.0/20

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837 ± 0.195 χ^2/NDF : 383.2/15

Left Out: -2.526 ± 0.234 χ^2/NDF : 0.4/1

Right Out: -8.127 ± 0.197 χ^2/NDF : 197.3/18

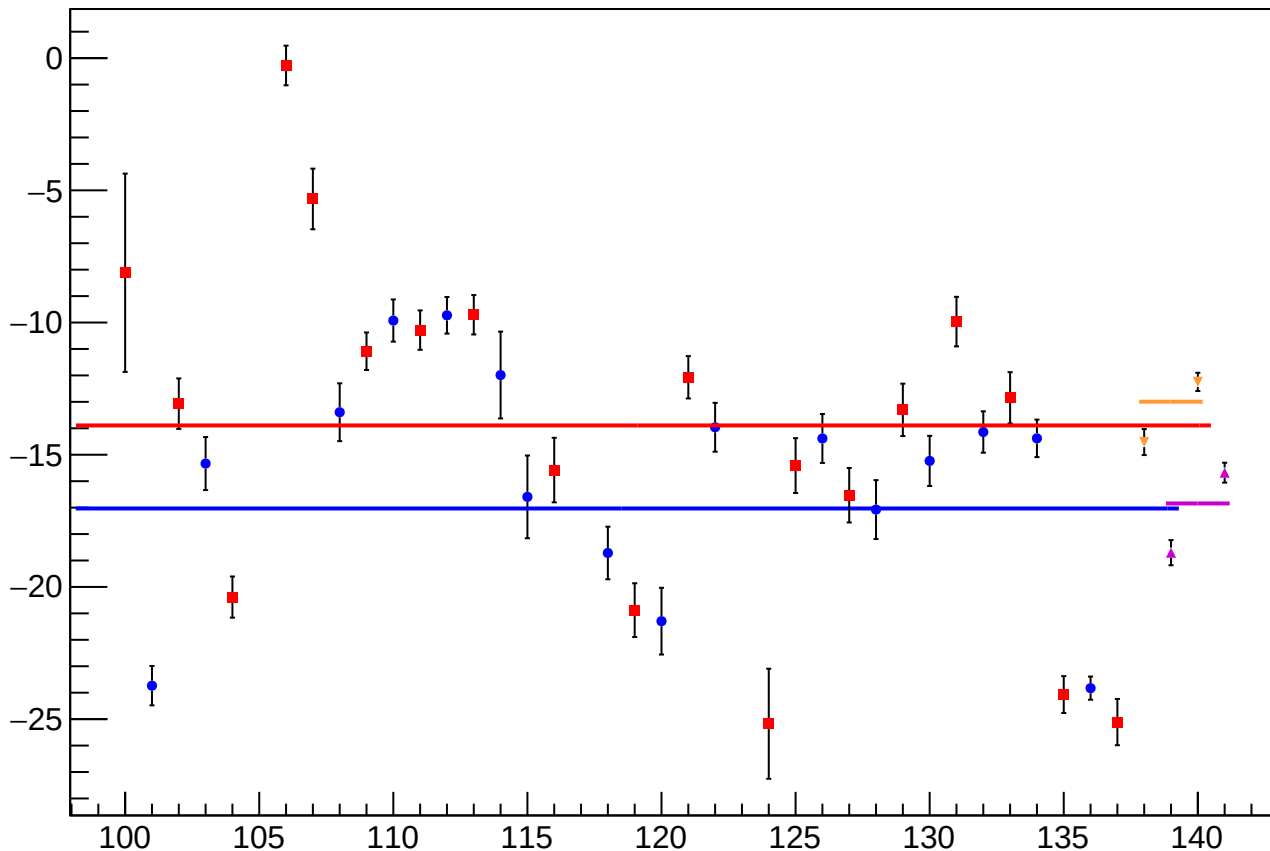
Left In: -6.004 ± 0.254 χ^2/NDF : 89.1/1

+ sign -5.660 ± 0.150 χ^2/NDF : 687.8/17

All: -6.464 ± 0.108 χ^2/NDF : 1077.7/38

- sign -7.329 ± 0.155 χ^2/NDF : 330.2/20

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

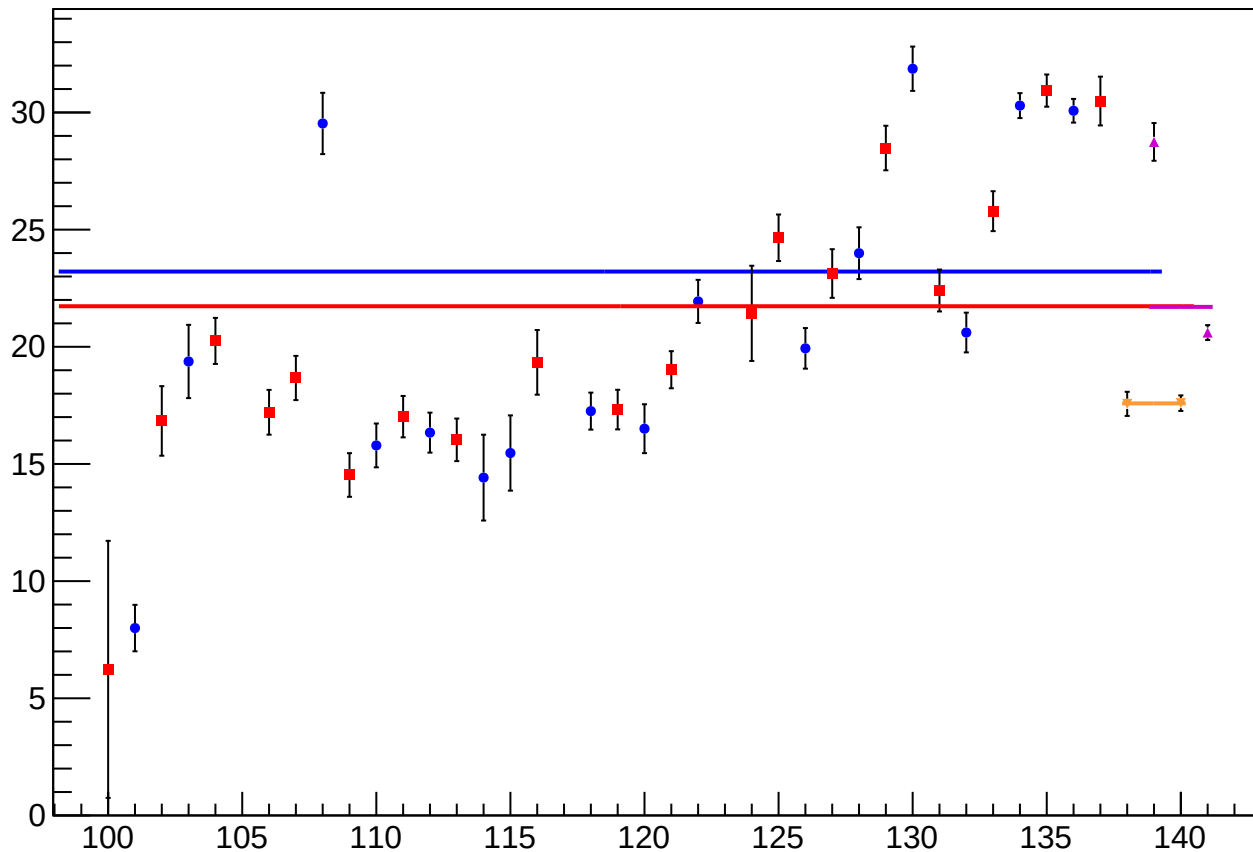
Left In: -16.842 ± 0.295 χ^2/NDF : 24.9/1

+ sign -15.598 ± 0.168 χ^2/NDF : 747.7/17

All: -15.244 ± 0.120 χ^2/NDF : 1865.5/38

- sign -14.879 ± 0.171 χ^2/NDF : 1108.8/20

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211 $\pm$ 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

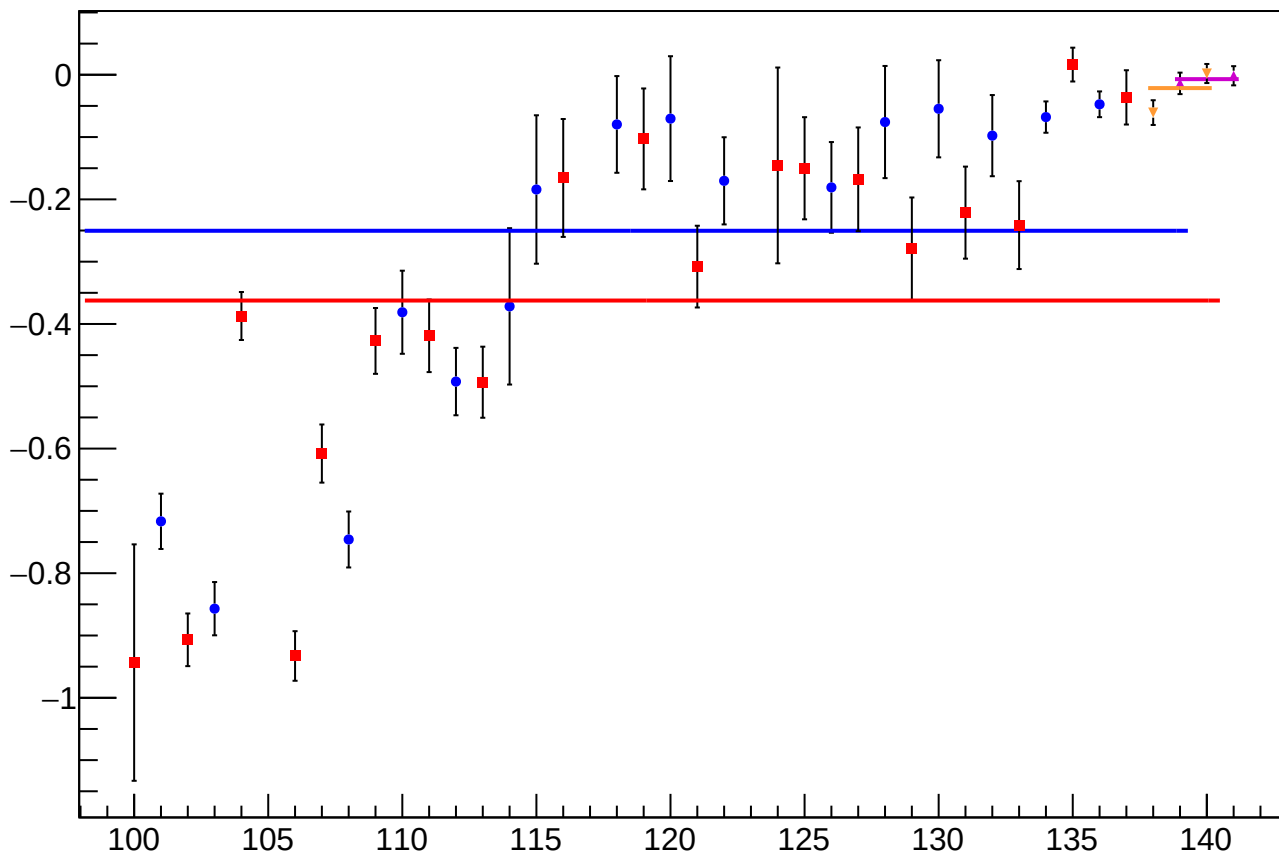
Left In: 21.704 $\pm$ 0.295 χ^2/NDF : 88.4/1

+ sign 21.075 $\pm$ 0.172 χ^2/NDF : 1260.7/17

All: 21.386 $\pm$ 0.124 χ^2/NDF : 1914.2/38

- sign 21.721 $\pm$ 0.179 χ^2/NDF : 646.7/20

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250 ± 0.012 χ^2/NDF : 633.5/15

Left Out: -0.021 ± 0.012 χ^2/NDF : 6.3/1

Right Out: -0.362 ± 0.012 χ^2/NDF : 704.3/18

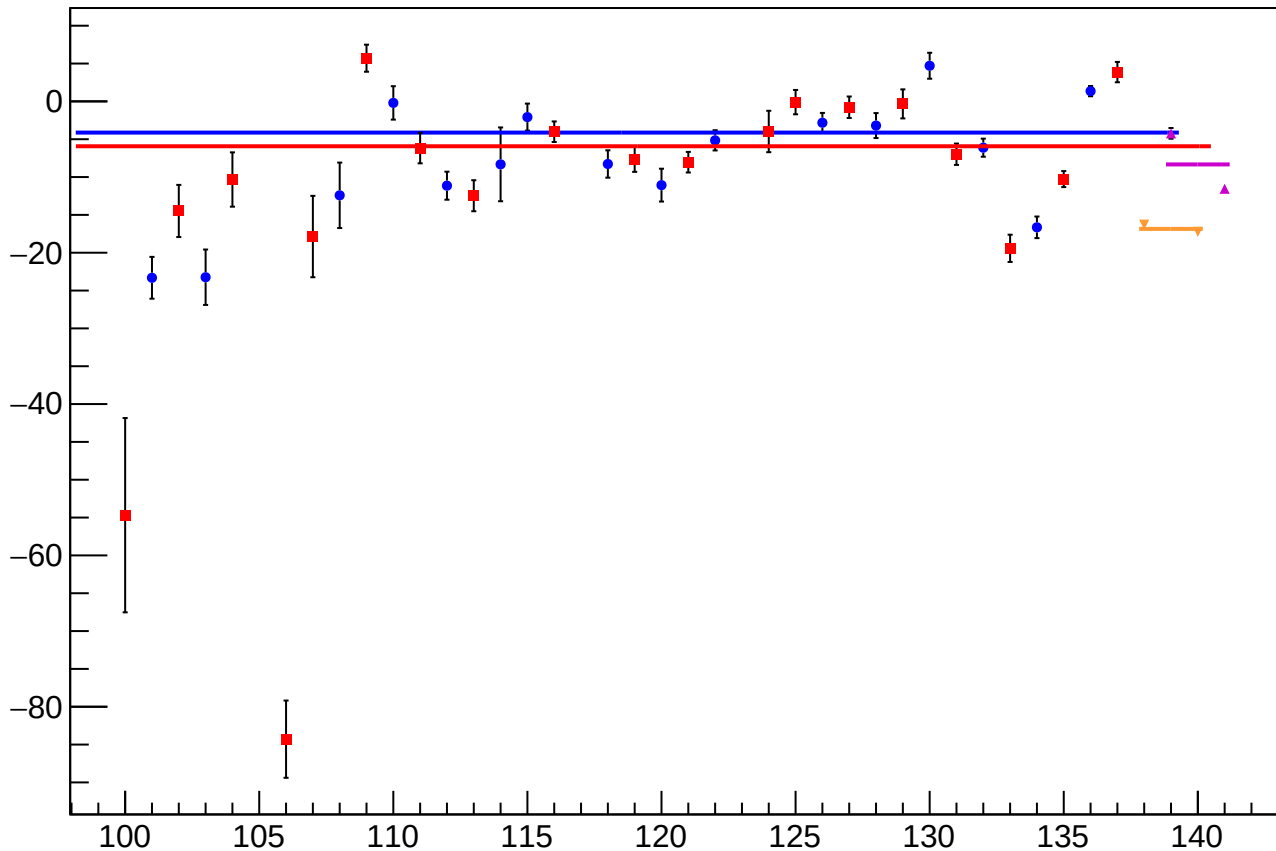
Left In: -0.007 ± 0.011 χ^2/NDF : 0.3/1

+ sign -0.140 ± 0.008 χ^2/NDF : 825.1/17

All: -0.156 ± 0.006 χ^2/NDF : 1980.8/38

- sign -0.172 ± 0.008 χ^2/NDF : 1148.7/20

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

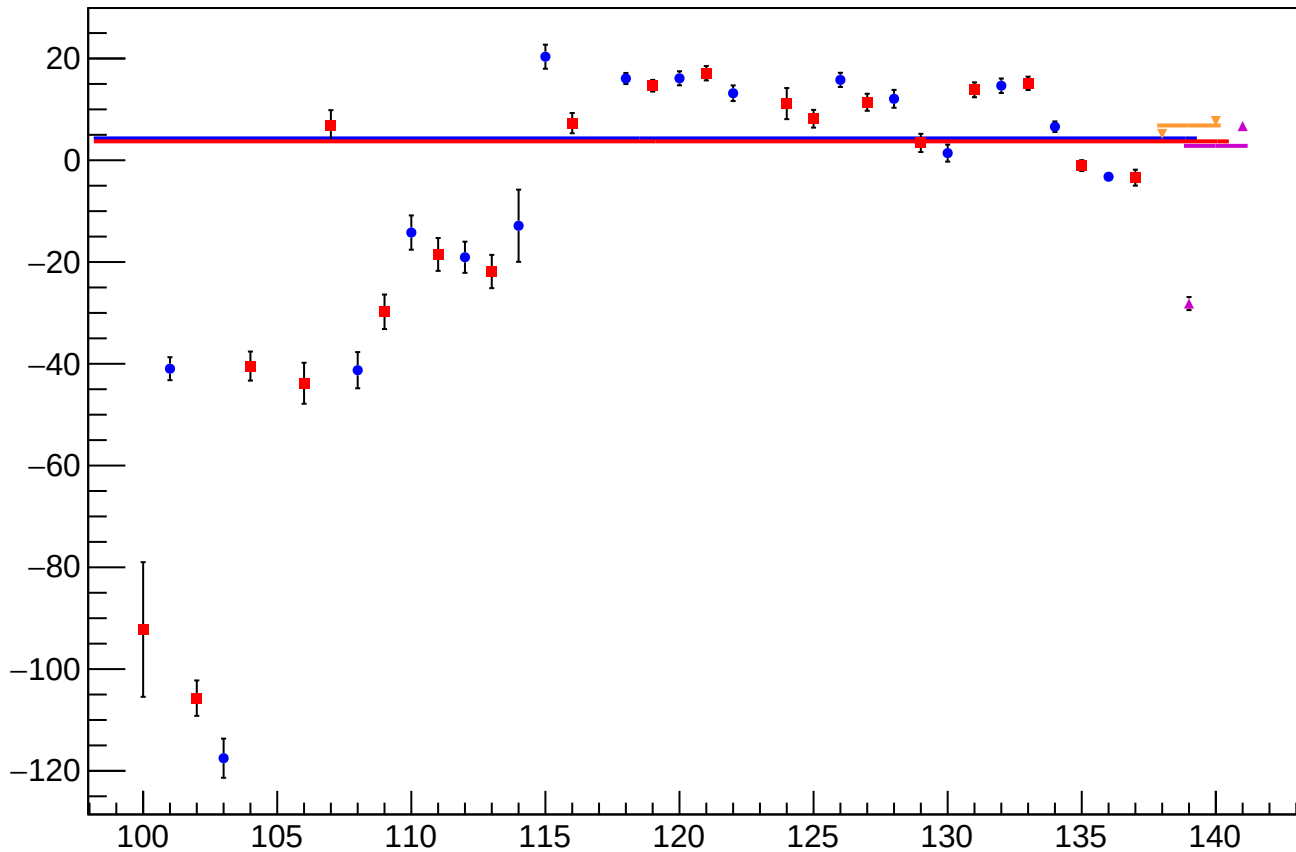
Left In: -8.330 ± 0.470 χ^2/NDF : 59.9/1

+ sign -9.771 ± 0.285 χ^2/NDF : 782.3/17

All: -8.475 ± 0.209 χ^2/NDF : 1384.6/38

- sign -6.961 ± 0.308 χ^2/NDF : 557.4/20

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292 ± 0.385 χ^2/NDF : 2169.1/15

Left Out: 6.841 ± 0.372 χ^2/NDF : 10.3/1

Right Out: 3.717 ± 0.423 χ^2/NDF : 2007.2/18

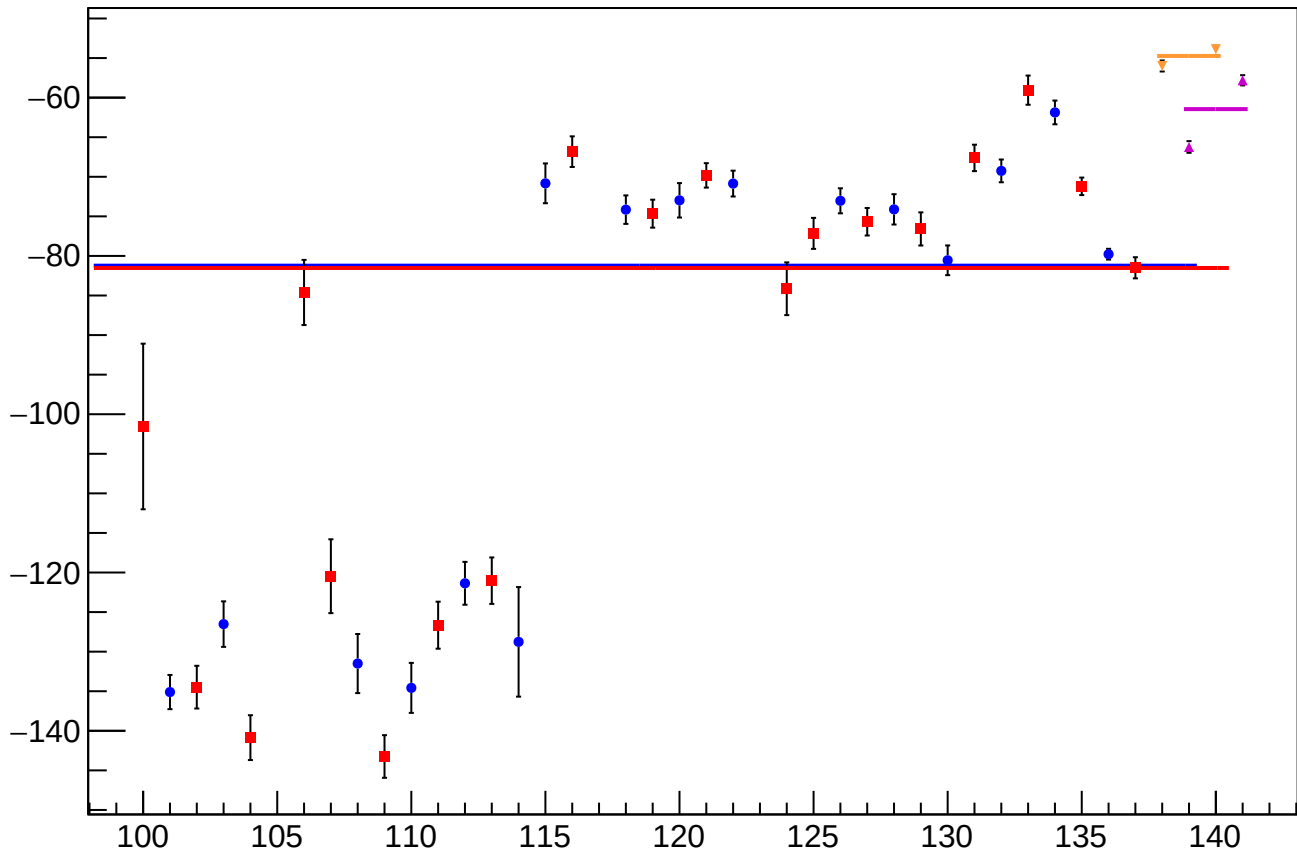
Left In: 2.831 ± 0.430 χ^2/NDF : 653.8/1

+ sign 5.610 ± 0.268 χ^2/NDF : 2202.0/17

All: 4.583 ± 0.200 χ^2/NDF : 4898.6/38

- sign 3.281 ± 0.301 χ^2/NDF : 2663.2/20

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231 ± 0.417 χ^2/NDF : 1971.1/15

Left Out: -54.733 ± 0.442 χ^2/NDF : 5.5/1

Right Out: -81.523 ± 0.462 χ^2/NDF : 2293.2/18

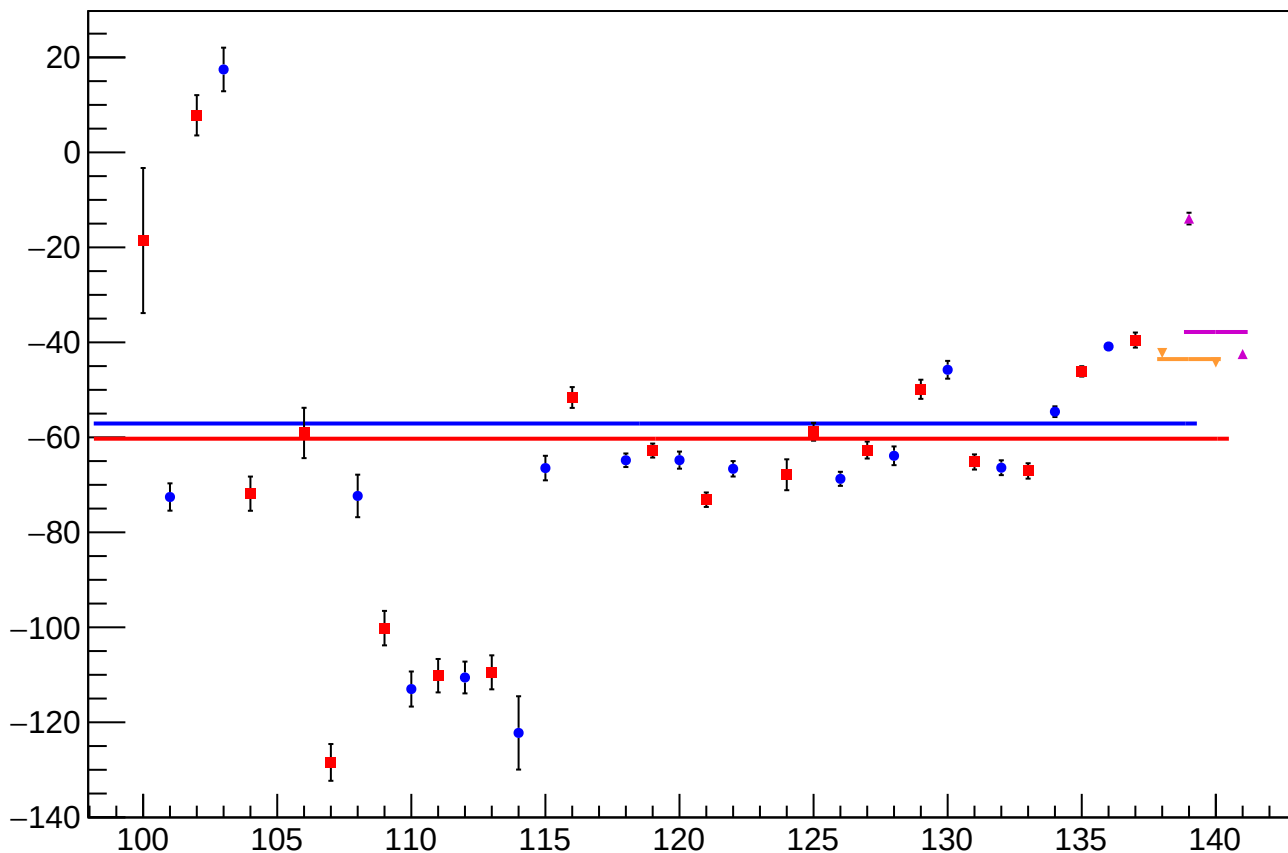
Left In: -61.448 ± 0.485 χ^2/NDF : 74.1/1

+ sign -68.763 ± 0.303 χ^2/NDF : 3878.1/17

All: -70.216 ± 0.225 χ^2/NDF : 7195.1/38

- sign -71.982 ± 0.334 χ^2/NDF : 3266.1/20

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089 ± 0.426 χ^2/NDF : 1526.8/15

Left Out: -43.521 ± 0.442 χ^2/NDF : 4.7/1

Right Out: -60.287 ± 0.470 χ^2/NDF : 1587.9/18

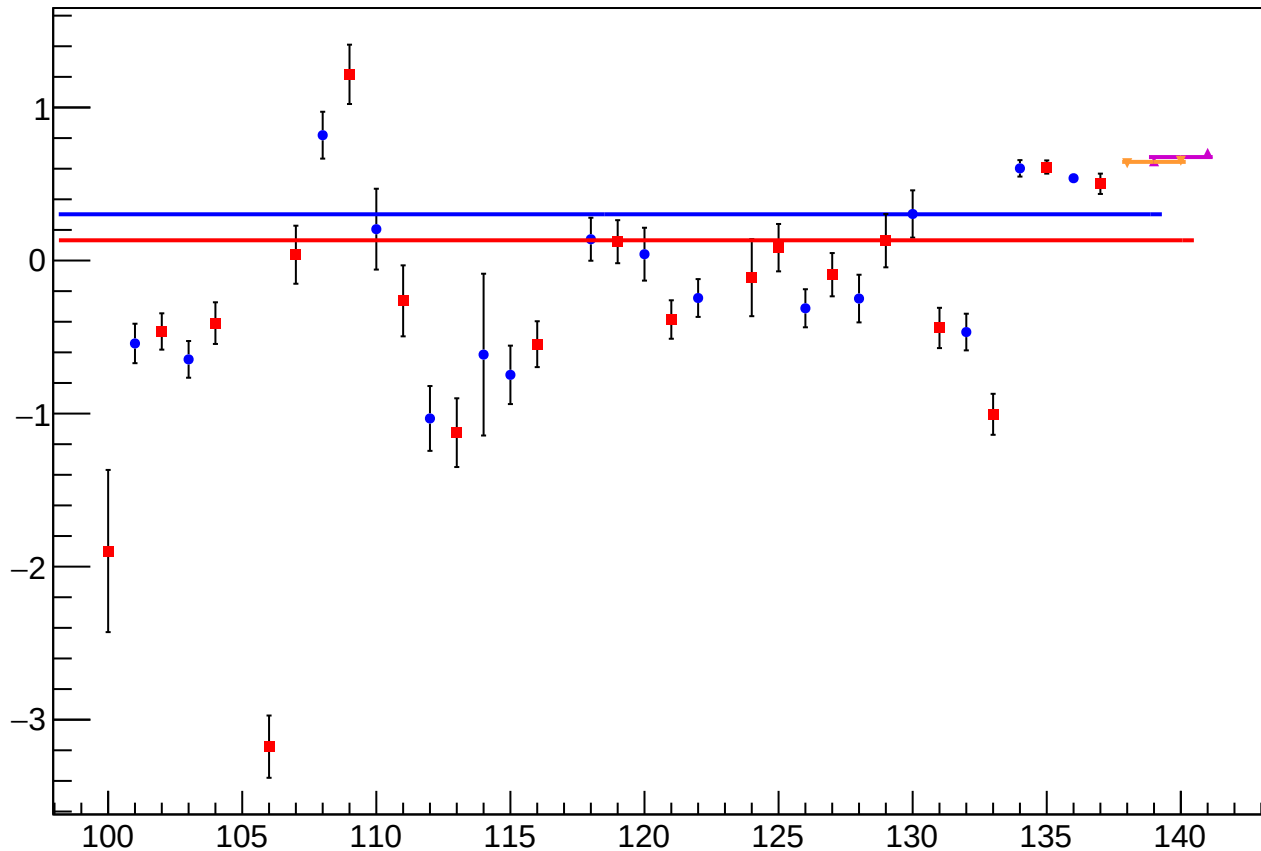
Left In: -37.818 ± 0.498 χ^2/NDF : 447.5/1

+ sign -50.560 ± 0.307 χ^2/NDF : 2020.3/17

All: -50.174 ± 0.228 χ^2/NDF : 5136.3/38

- sign -49.696 ± 0.342 χ^2/NDF : 3112.5/20

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302 ± 0.023 χ^2/NDF : 374.8/15

Left Out: 0.645 ± 0.019 χ^2/NDF : 0.2/1

Right Out: 0.132 ± 0.027 χ^2/NDF : 672.5/18

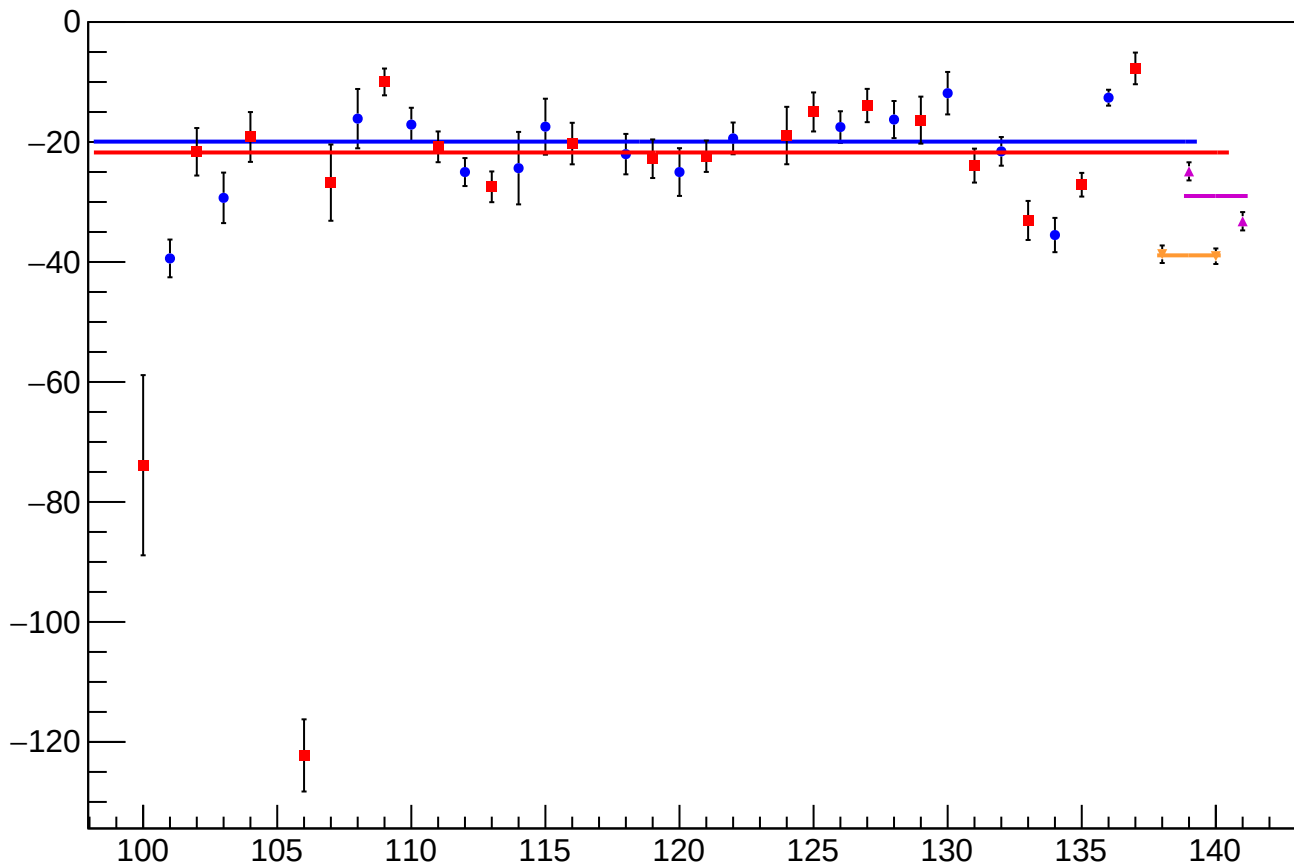
Left In: 0.676 ± 0.019 χ^2/NDF : 2.1/1

+ sign 0.506 ± 0.015 χ^2/NDF : 507.7/17

All: 0.501 ± 0.011 χ^2/NDF : 1464.0/38

- sign 0.496 ± 0.015 χ^2/NDF : 956.1/20

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

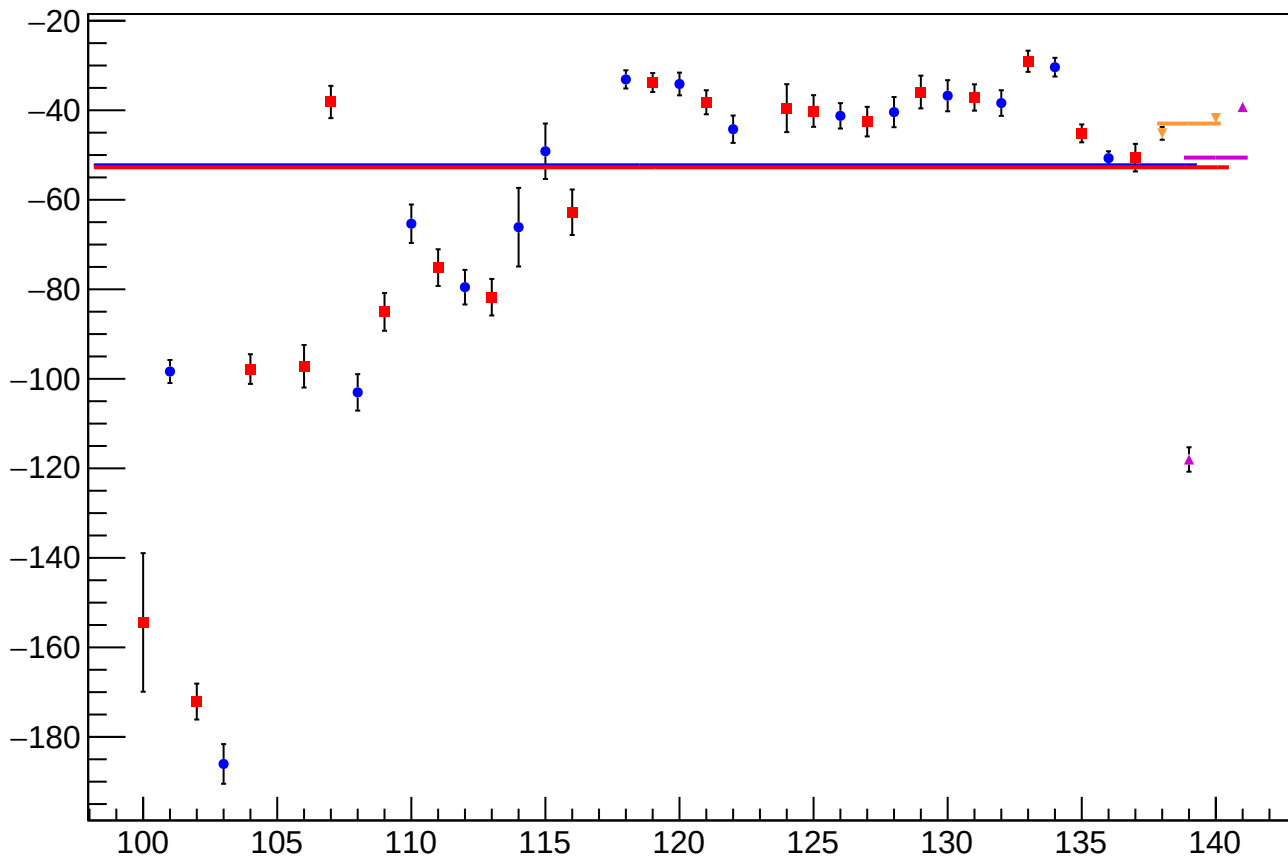
Left In: -29.001 +/- 1.074 χ^2/NDF : 15.0/1

+ sign -26.370 +/- 0.565 χ^2/NDF : 373.4/17

All: -25.231 +/- 0.409 χ^2/NDF : 816.9/38

- sign -23.969 +/- 0.594 χ^2/NDF : 435.0/20

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296 ± 0.708 $\chi^2/\text{NDF}: 1778.2/15$

Left Out: -42.959 ± 0.863 $\chi^2/\text{NDF}: 3.6/1$

Right Out: -52.737 ± 0.748 $\chi^2/\text{NDF}: 1662.5/18$

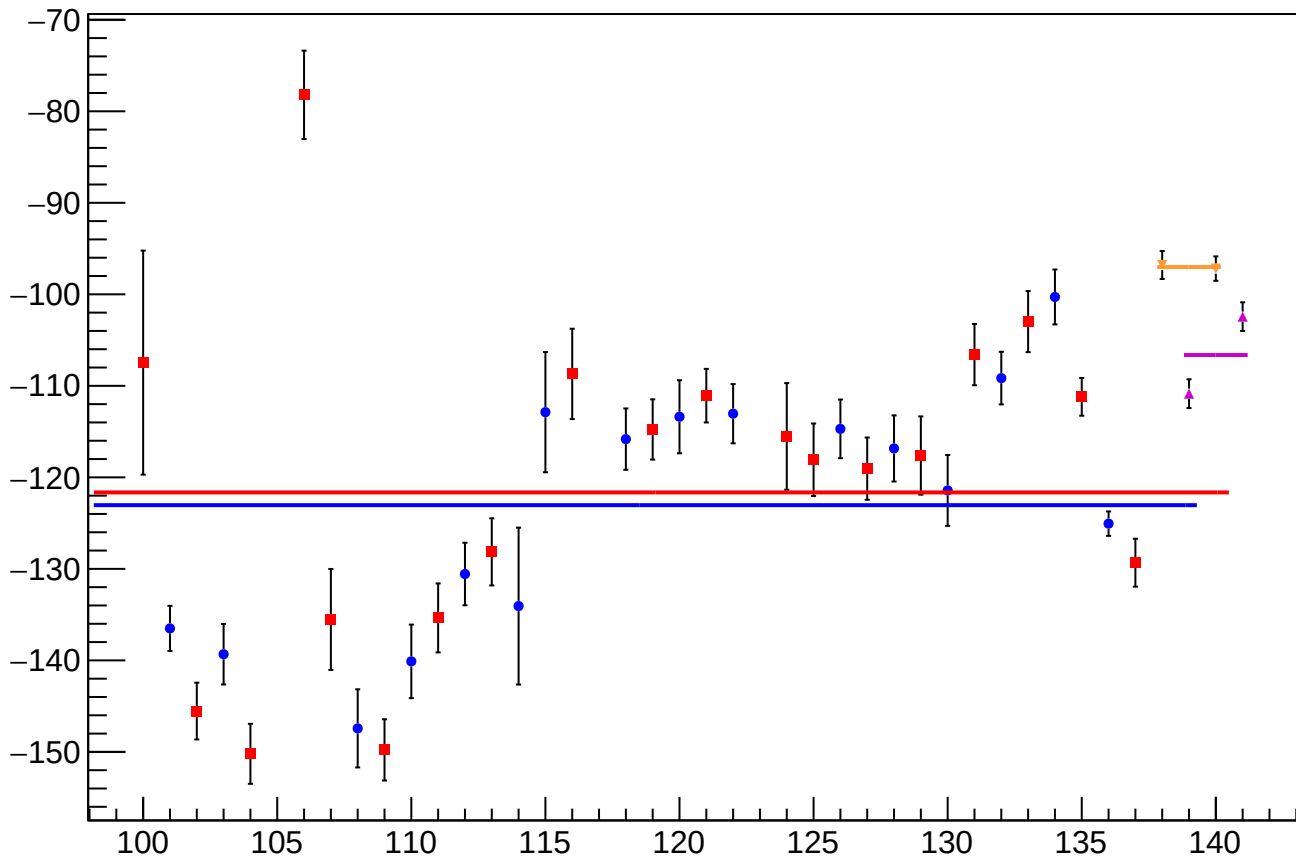
Left In: -50.577 ± 1.033 $\chi^2/\text{NDF}: 714.4/1$

+ sign -48.542 ± 0.548 $\chi^2/\text{NDF}: 1851.7/17$

All: -50.093 ± 0.406 $\chi^2/\text{NDF}: 4249.3/38$

- sign -51.994 ± 0.606 $\chi^2/\text{NDF}: 2379.8/20$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2 /NDF: 226.8/15

Left Out: -97.018+/-1.003 χ^2 /NDF: 0.0/1

Right Out: -121.646+/-0.801 χ^2 /NDF: 424.5/18

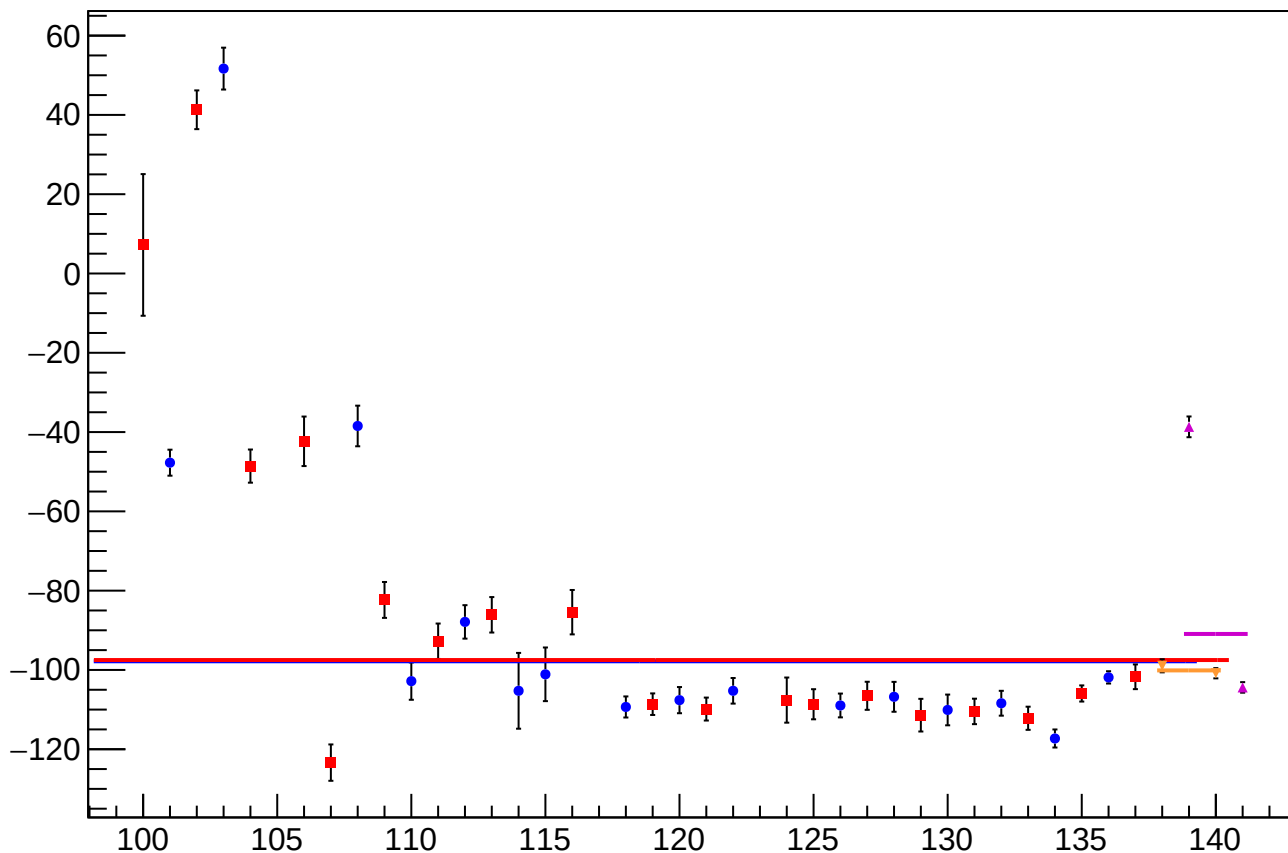
Left In: -106.633+/-1.110 χ^2 /NDF: 14.4/1

+ sign -113.708+/-0.601 χ^2 /NDF: 658.5/17

All: -114.997+/-0.441 χ^2 /NDF: 1227.6/38

- sign -116.504+/-0.650 χ^2 /NDF: 559.1/20

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814 ± 0.793 $\chi^2/\text{NDF}: 1330.8/15$

Left Out: -100.116 ± 1.019 $\chi^2/\text{NDF}: 0.8/1$

Right Out: -97.504 ± 0.843 $\chi^2/\text{NDF}: 1236.4/18$

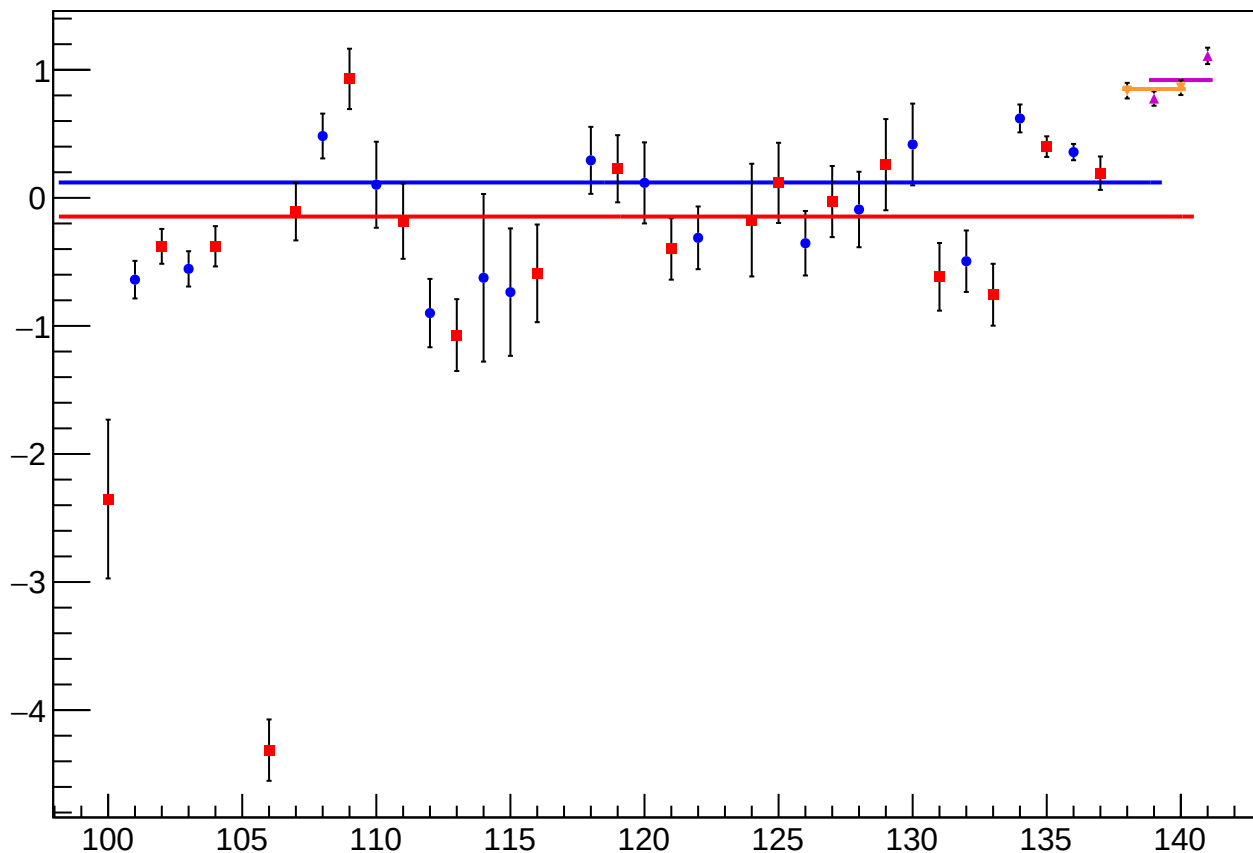
Left In: -90.923 ± 1.185 $\chi^2/\text{NDF}: 502.0/1$

+ sign -98.682 ± 0.626 $\chi^2/\text{NDF}: 1334.8/17$

All: -97.144 ± 0.463 $\chi^2/\text{NDF}: 3107.1/38$

- sign -95.292 ± 0.687 $\chi^2/\text{NDF}: 1759.0/20$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120 ± 0.041 χ^2/NDF : 123.9/15

Left Out: 0.850 ± 0.042 χ^2/NDF : 0.1/1

Right Out: -0.146 ± 0.045 χ^2/NDF : 421.0/18

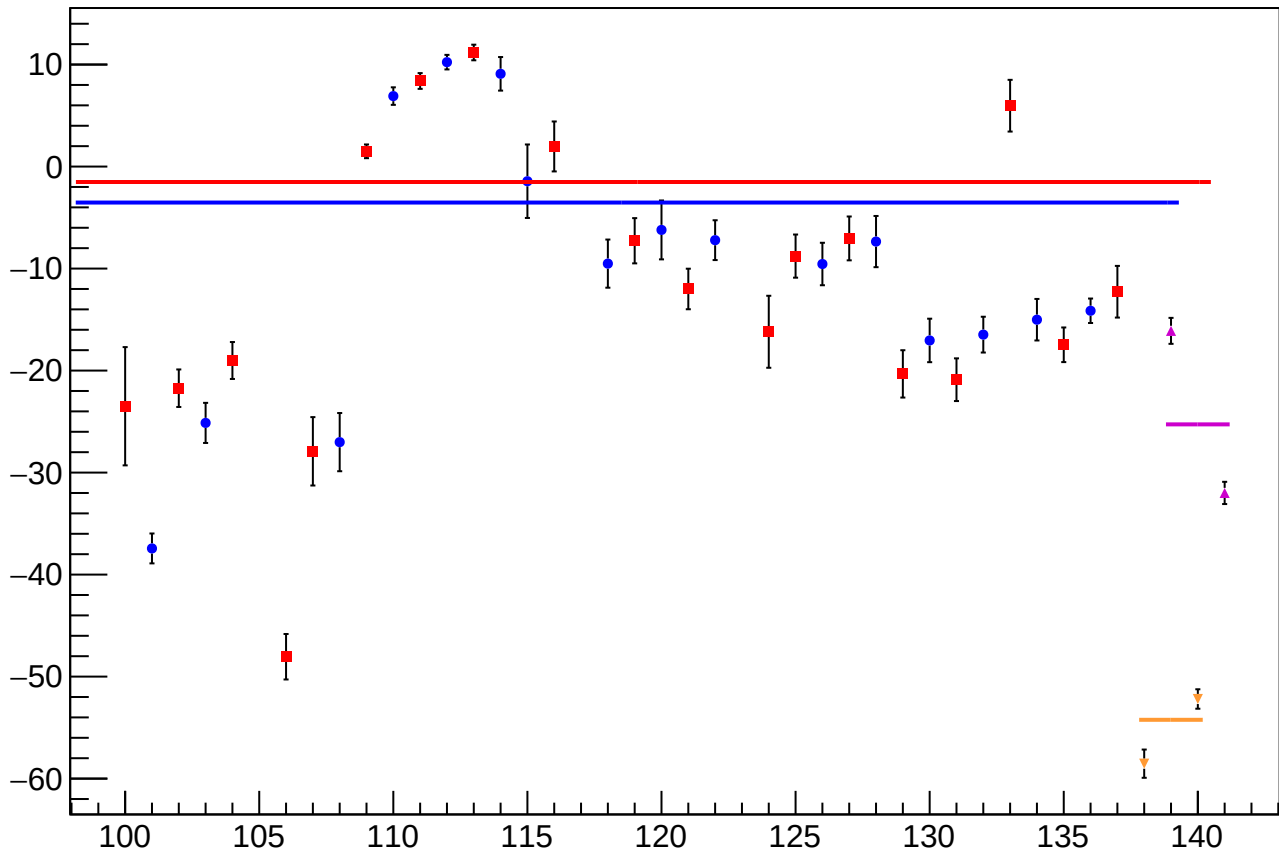
Left In: 0.920 ± 0.042 χ^2/NDF : 15.3/1

+ sign 0.474 ± 0.030 χ^2/NDF : 276.1/17

All: 0.448 ± 0.021 χ^2/NDF : 1013.2/38

- sign 0.419 ± 0.031 χ^2/NDF : 735.4/20

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527 ± 0.377 χ^2/NDF : 1529.1/15

Left Out: -54.235 ± 0.785 χ^2/NDF : 14.2/1

Right Out: -1.513 ± 0.338 χ^2/NDF : 1524.7/18

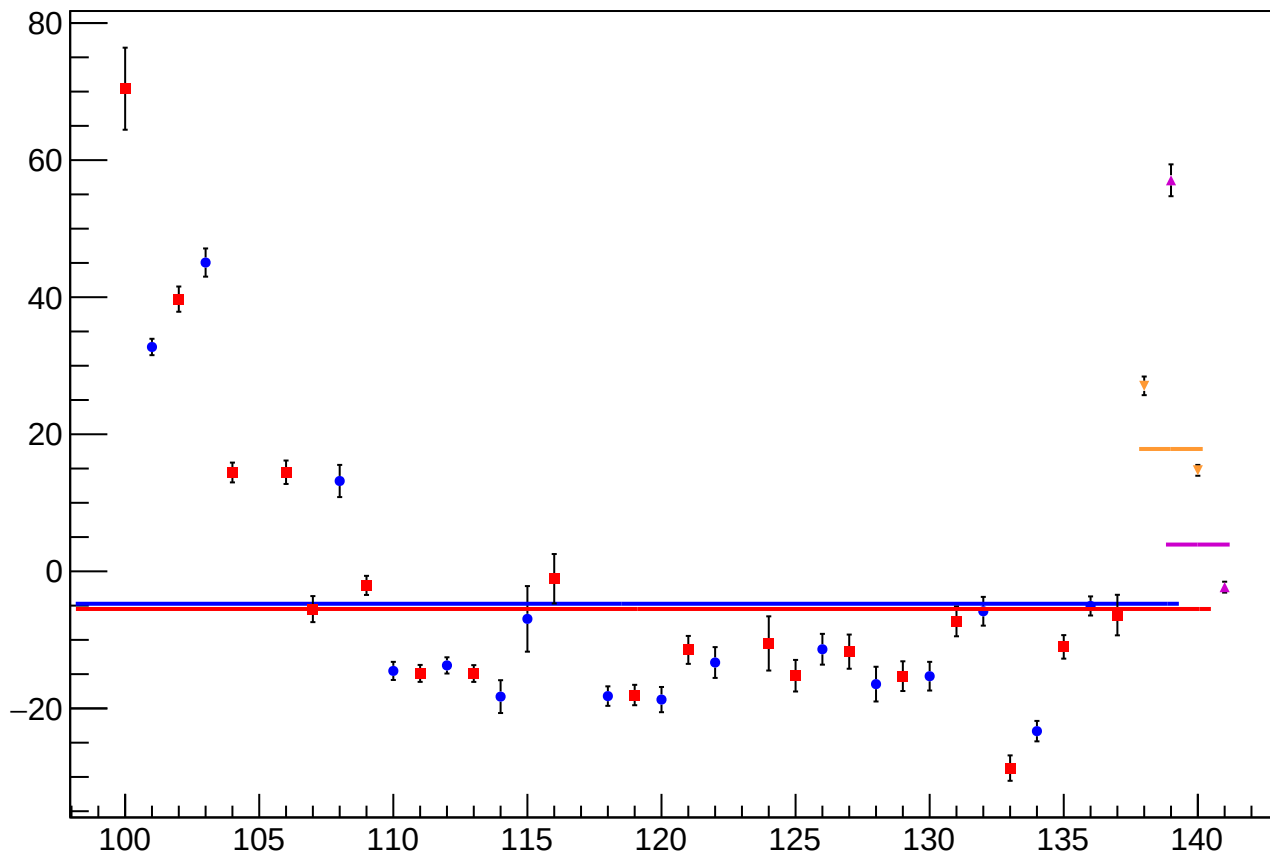
Left In: -25.273 ± 0.828 χ^2/NDF : 89.9/1

+ sign -13.015 ± 0.340 χ^2/NDF : 4932.3/17

All: -8.638 ± 0.230 χ^2/NDF : 7560.0/38

- sign -4.917 ± 0.313 χ^2/NDF : 2320.6/20

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729 ± 0.431 χ^2/NDF : 2148.0/15

Left Out: 17.855 ± 0.683 χ^2/NDF : 61.5/1

Right Out: -5.491 ± 0.422 χ^2/NDF : 1508.6/18

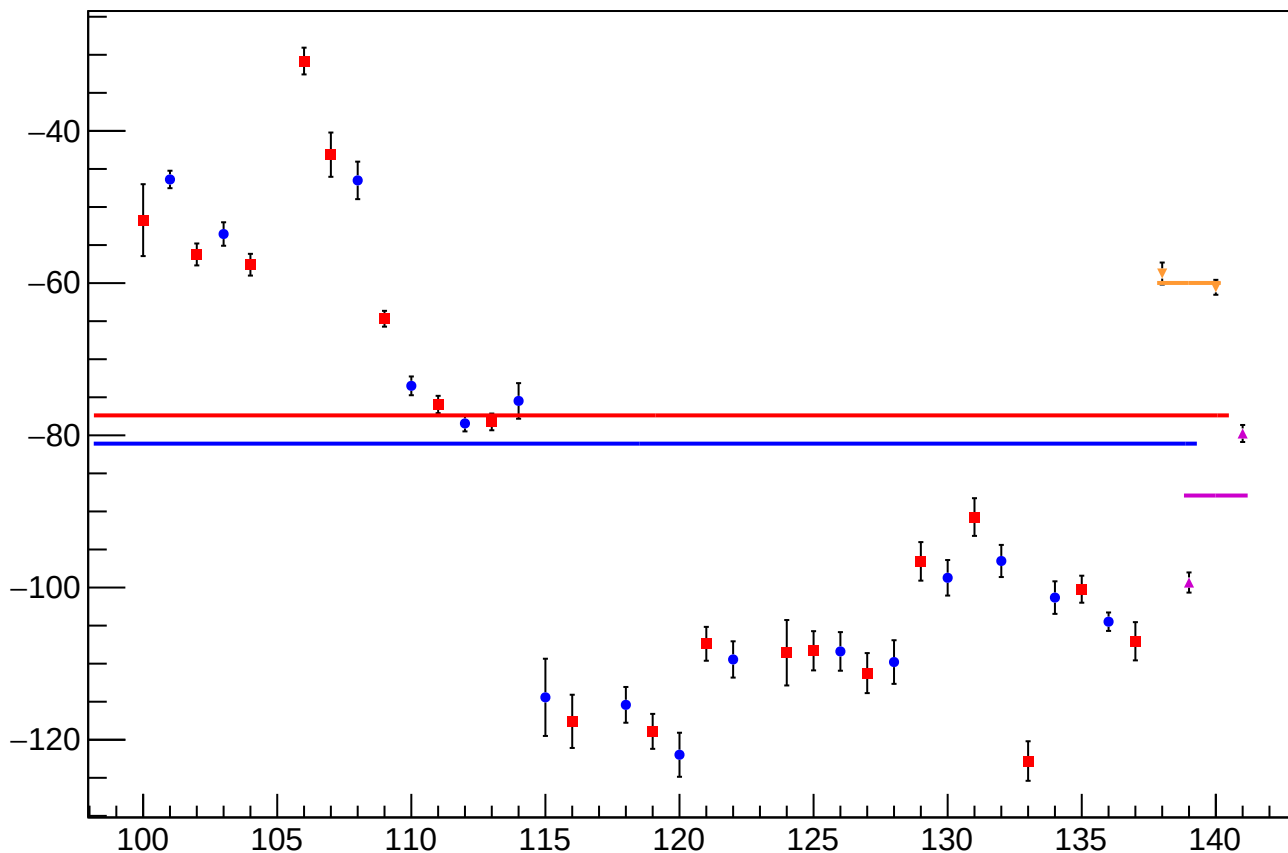
Left In: 3.907 ± 0.752 χ^2/NDF : 584.1/1

+ sign 1.698 ± 0.364 χ^2/NDF : 2991.6/17

All: -0.746 ± 0.259 χ^2/NDF : 5293.9/38

- sign -3.240 ± 0.368 χ^2/NDF : 2211.4/20

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091 ± 0.438 $\chi^2/\text{NDF}: 2870.3/15$

Left Out: -59.979 ± 0.811 $\chi^2/\text{NDF}: 1.1/1$

Right Out: -77.379 ± 0.417 $\chi^2/\text{NDF}: 3129.7/18$

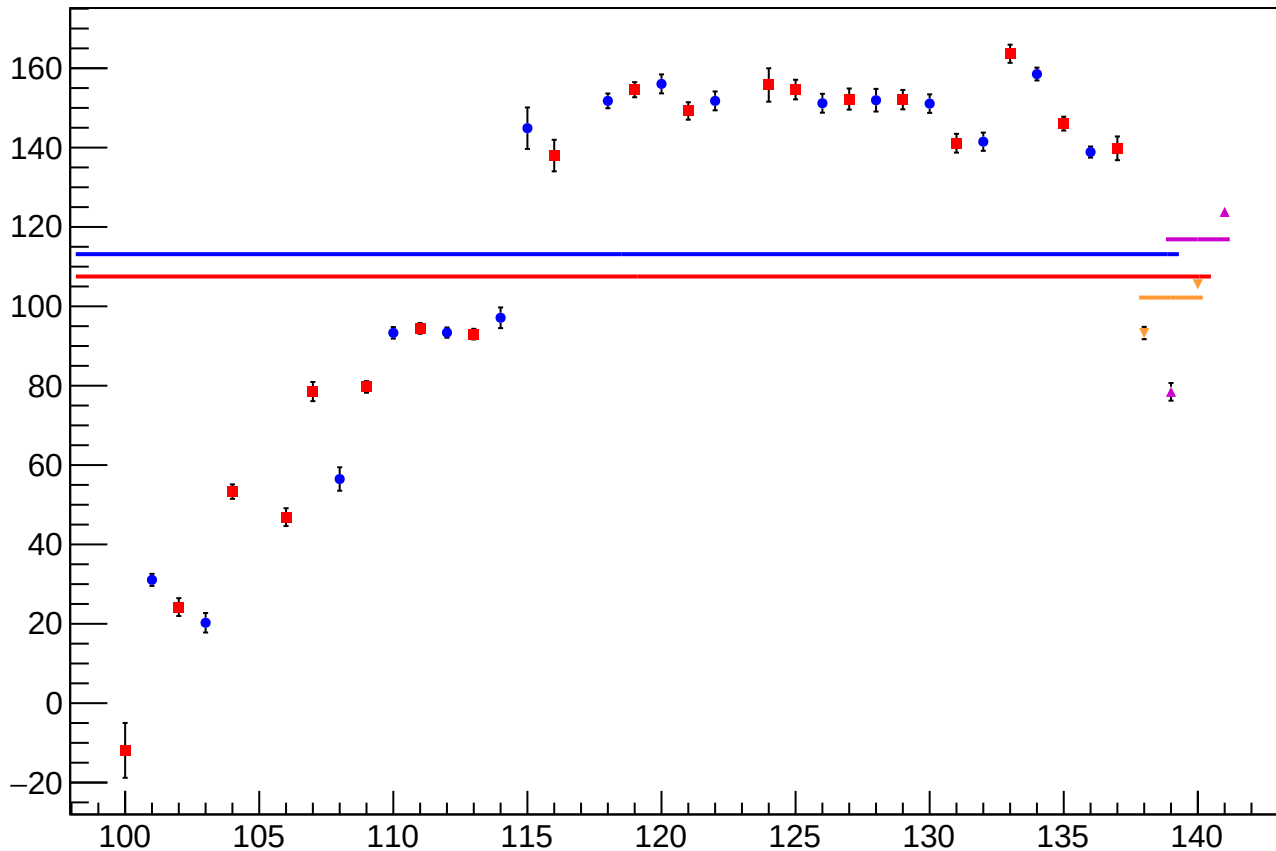
Left In: -87.909 ± 0.854 $\chi^2/\text{NDF}: 127.7/1$

+ sign -76.321 ± 0.386 $\chi^2/\text{NDF}: 3395.4/17$

All: -77.908 ± 0.269 $\chi^2/\text{NDF}: 6808.4/38$

- sign -79.404 ± 0.375 $\chi^2/\text{NDF}: 3380.1/20$

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

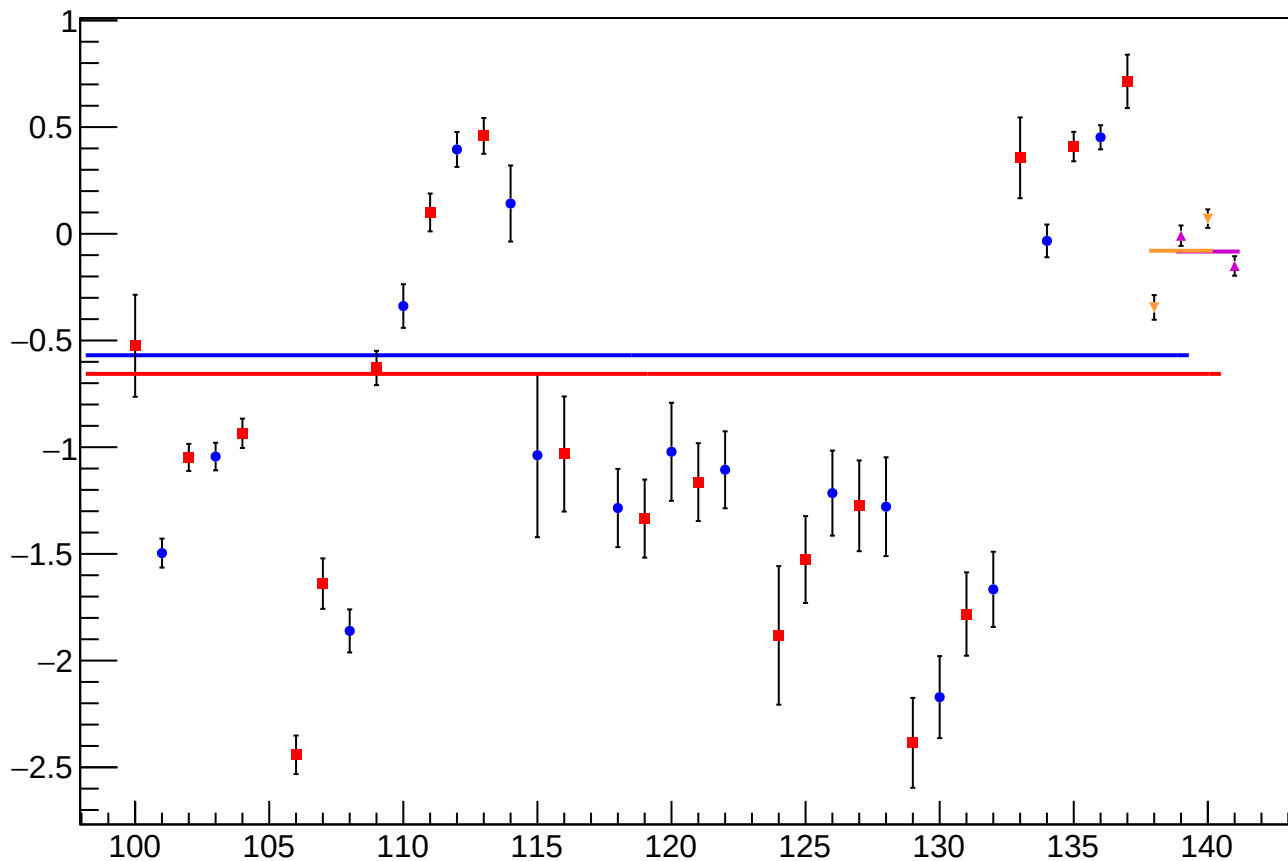
Left In: 116.886 $\pm$ 0.871 χ^2 /NDF: 350.0/1

+ sign 110.229 $\pm$ 0.419 χ^2 /NDF: 8382.6/17

All: 109.962 $\pm$ 0.297 χ^2 /NDF: 16366.3/38

- sign 109.694 $\pm$ 0.420 χ^2 /NDF: 7982.9/20

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569 $\pm$ 0.026 χ^2/NDF : 1097.4/15

Left Out: -0.079 $\pm$ 0.035 χ^2/NDF : 33.2/1

Right Out: -0.656 $\pm$ 0.025 χ^2/NDF : 1315.2/18

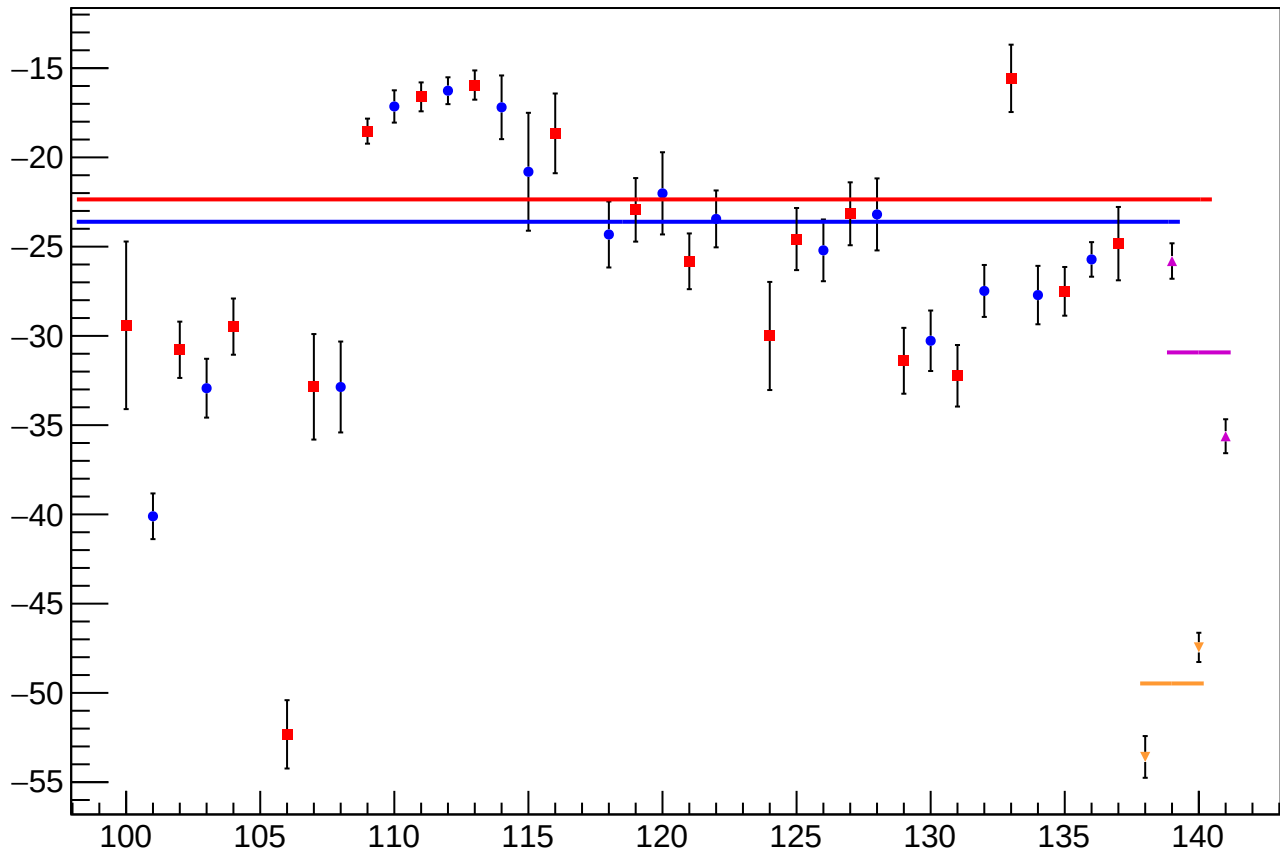
Left In: -0.083 $\pm$ 0.033 χ^2/NDF : 4.6/1

+ sign -0.395 $\pm$ 0.021 χ^2/NDF : 1258.8/17

All: -0.421 $\pm$ 0.014 χ^2/NDF : 2772.0/38

- sign -0.445 $\pm$ 0.020 χ^2/NDF : 1510.1/20

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607 $\pm$ 0.348 χ^2/NDF : 406.4/15

Left Out: -49.471 $\pm$ 0.671 χ^2/NDF : 18.5/1

Right Out: -22.354 $\pm$ 0.322 χ^2/NDF : 551.7/18

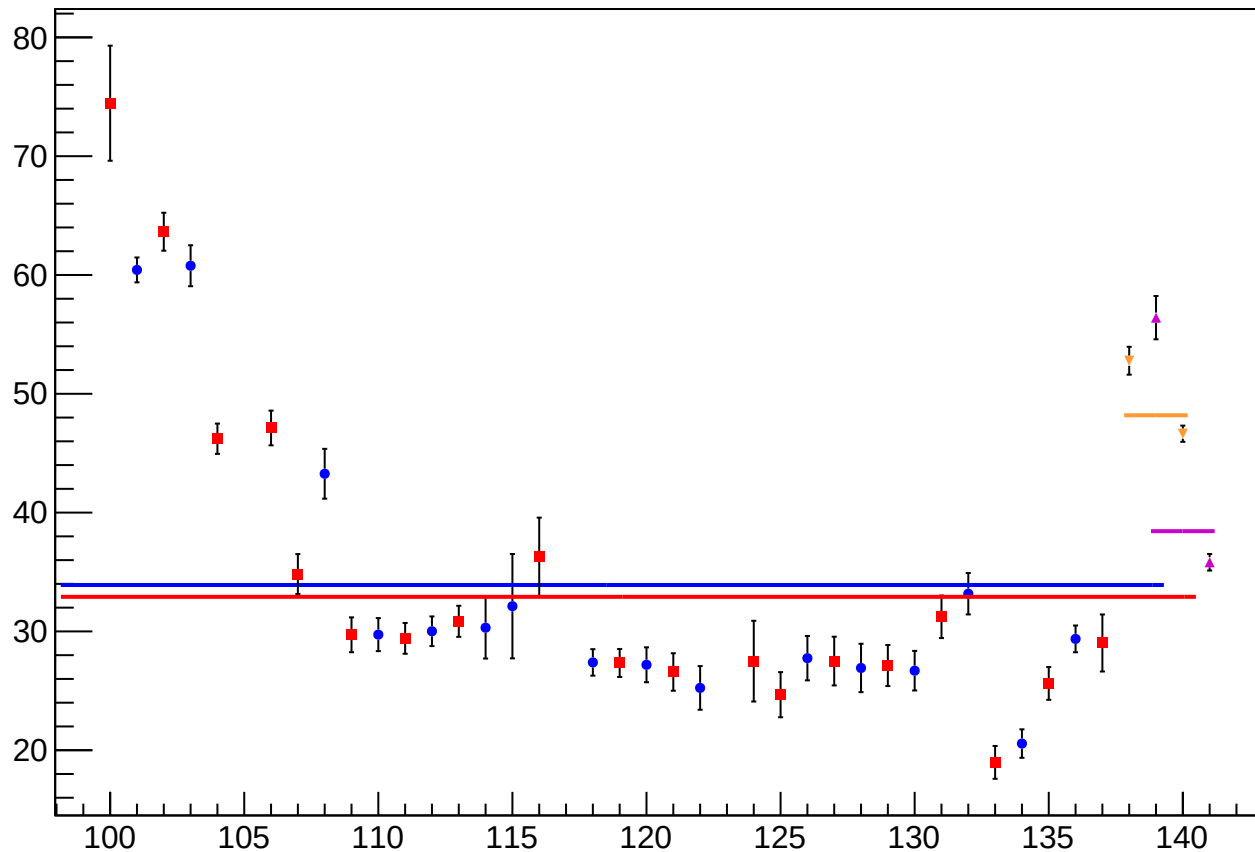
Left In: -30.926 $\pm$ 0.687 χ^2/NDF : 51.0/1

+ sign -29.097 $\pm$ 0.309 χ^2/NDF : 1595.3/17

All: -26.343 $\pm$ 0.212 χ^2/NDF : 2475.6/38

- sign -23.897 $\pm$ 0.291 χ^2/NDF : 730.4/20

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF : 1184.4/15

Left Out: 48.192+/-0.590 χ^2/NDF : 20.5/1

Right Out: 32.911+/-0.373 χ^2/NDF : 875.0/18

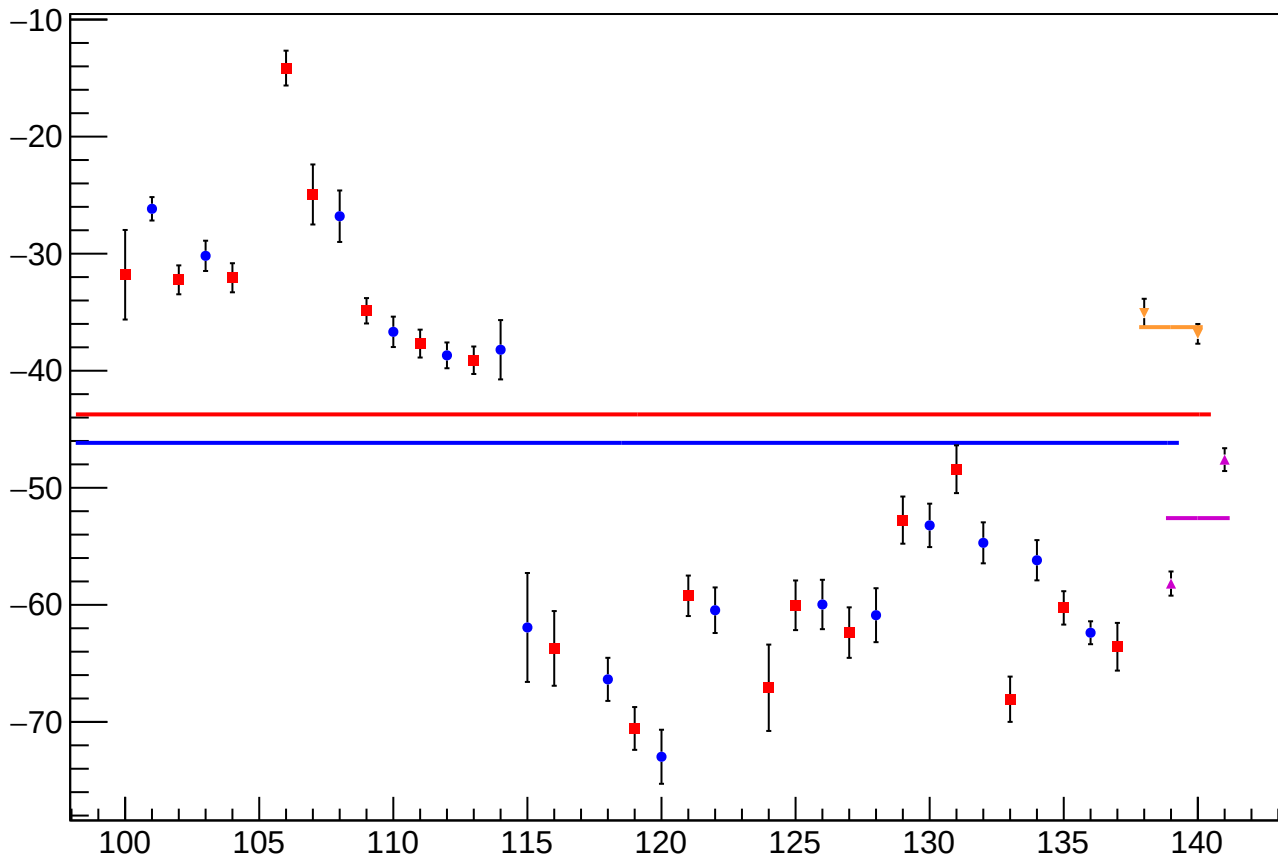
Left In: 38.439+/-0.650 χ^2/NDF : 111.4/1

+ sign 38.026+/-0.317 χ^2/NDF : 1622.4/17

All: 36.191+/-0.226 χ^2/NDF : 2731.9/38

- sign 34.279+/-0.323 χ^2/NDF : 1040.8/20

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160 ± 0.390 χ^2/NDF : 1489.6/15

Left Out: -36.275 ± 0.693 χ^2/NDF : 1.4/1

Right Out: -43.730 ± 0.378 χ^2/NDF : 1663.4/18

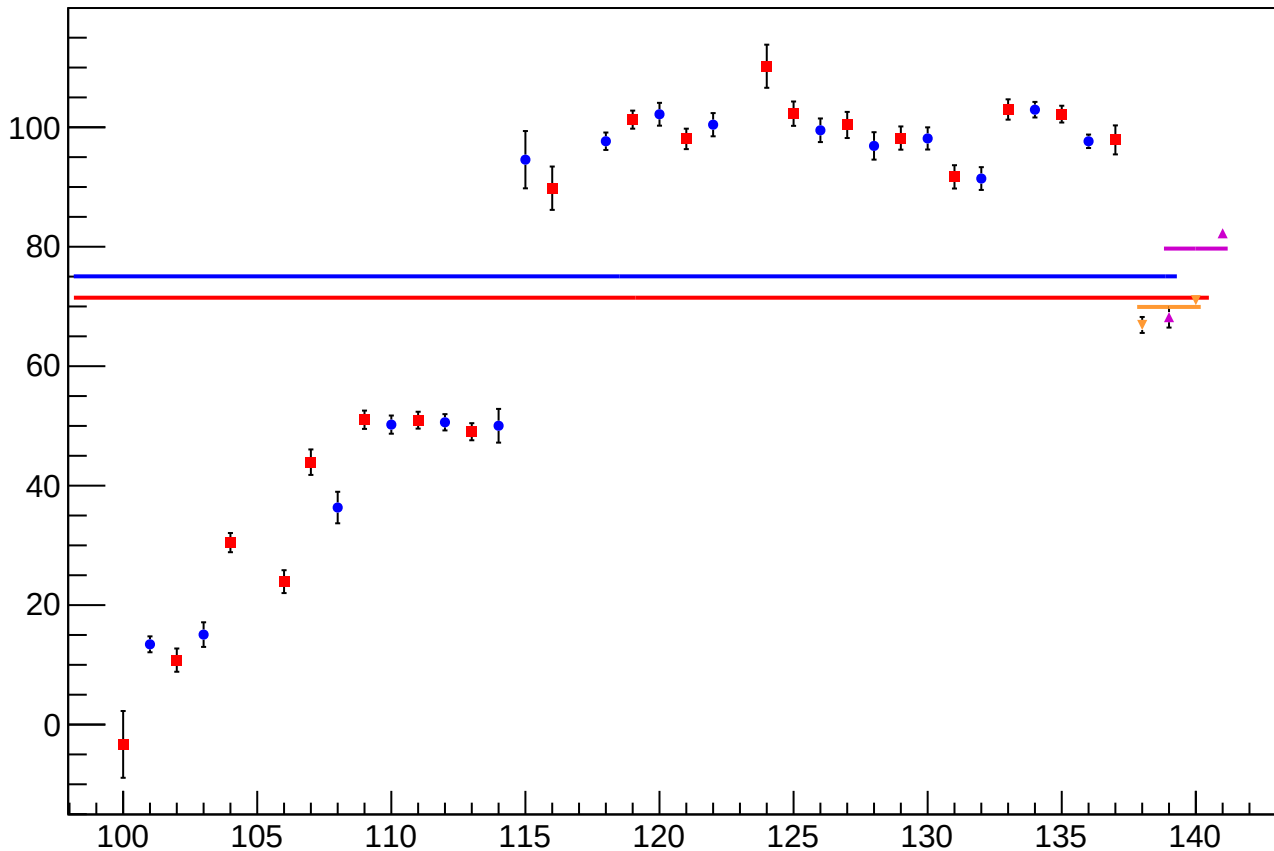
Left In: -52.590 ± 0.709 χ^2/NDF : 55.6/1

+ sign -43.787 ± 0.340 χ^2/NDF : 1645.5/17

All: -44.757 ± 0.238 χ^2/NDF : 3501.9/38

- sign -45.693 ± 0.334 χ^2/NDF : 1840.4/20

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042 $\pm$ 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

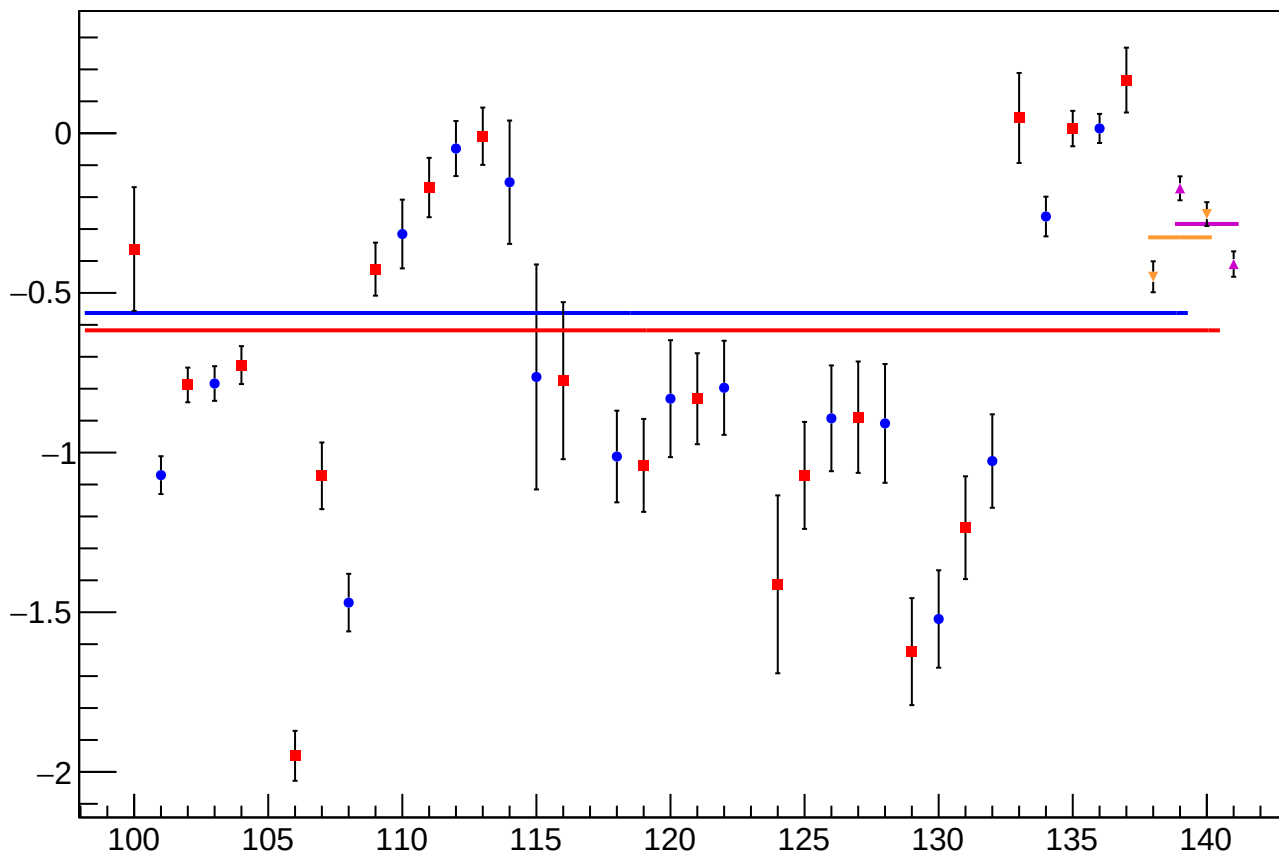
Left In: 79.691 $\pm$ 0.748 χ^2 /NDF: 52.6/1

+ sign 73.647 $\pm$ 0.365 χ^2 /NDF: 5874.4/17

All: 73.566 $\pm$ 0.260 χ^2 /NDF: 11646.7/38

- sign 73.481 $\pm$ 0.370 χ^2 /NDF: 5772.1/20

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563 ± 0.022 χ^2/NDF : 493.0/15

Left Out: -0.326 ± 0.030 χ^2/NDF : 10.3/1

Right Out: -0.617 ± 0.022 χ^2/NDF : 690.0/18

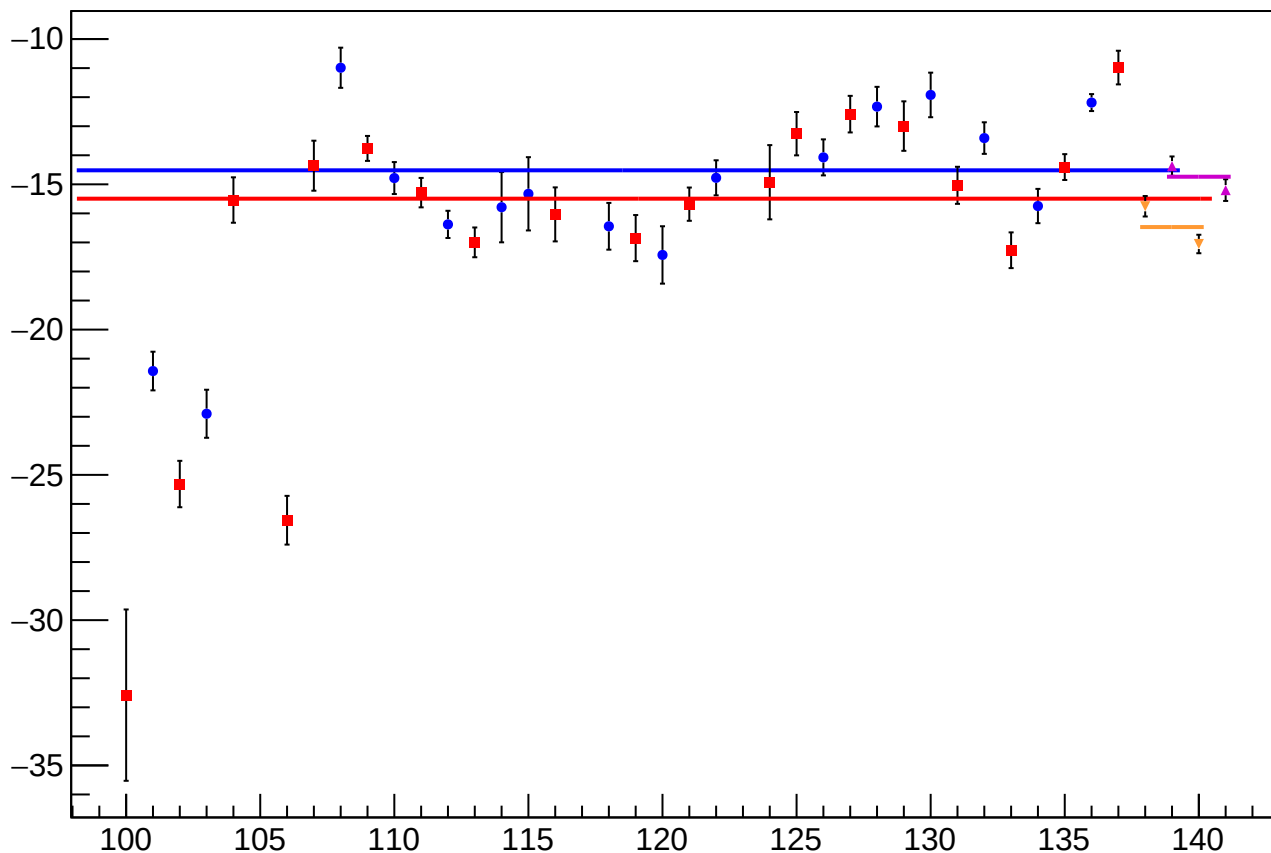
Left In: -0.284 ± 0.027 χ^2/NDF : 18.8/1

+ sign -0.477 ± 0.018 χ^2/NDF : 544.4/17

All: -0.481 ± 0.012 χ^2/NDF : 1343.1/38

- sign -0.485 ± 0.017 χ^2/NDF : 798.6/20

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518 ± 0.149 χ^2/NDF : 363.3/15

Left Out: -16.471 ± 0.236 χ^2/NDF : 7.5/1

Right Out: -15.494 ± 0.150 χ^2/NDF : 503.8/18

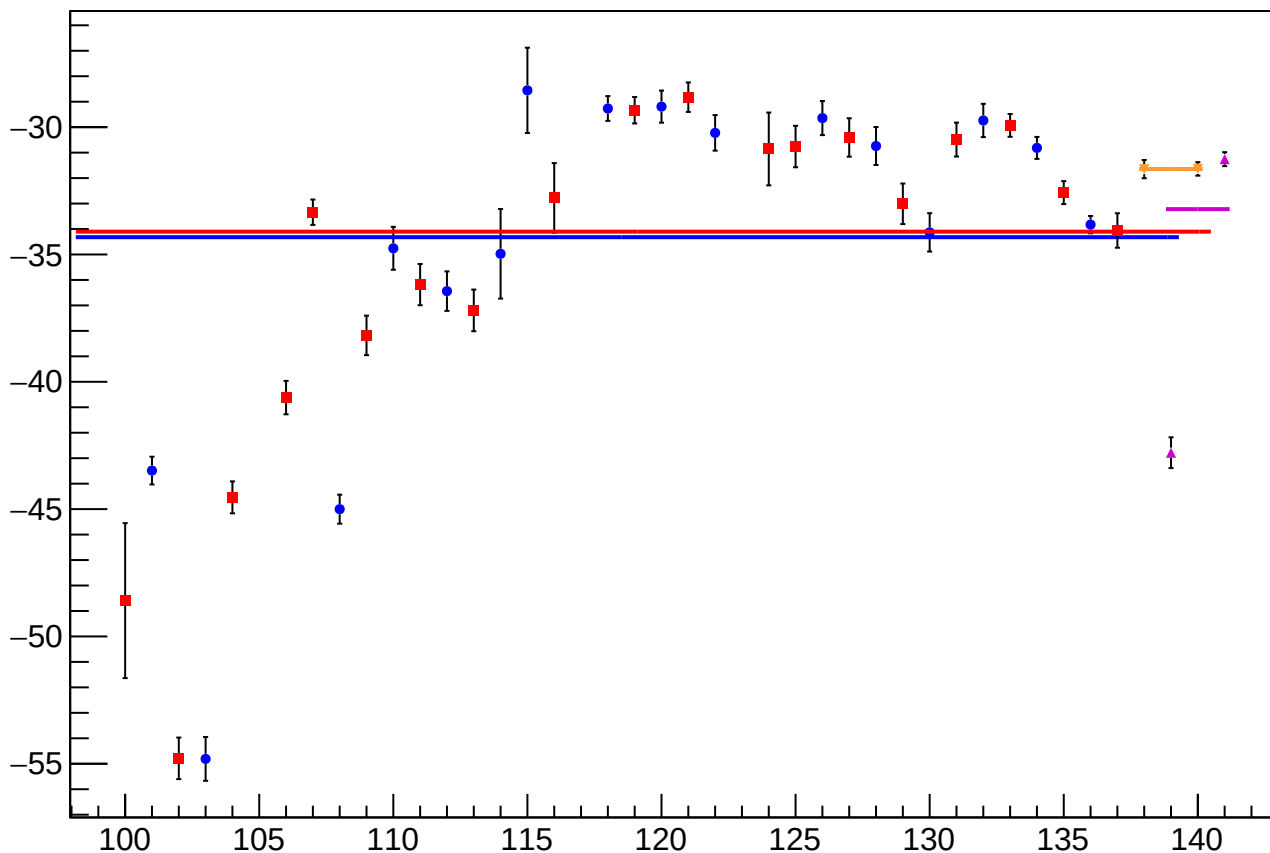
Left In: -14.738 ± 0.249 χ^2/NDF : 2.7/1

+ sign -15.076 ± 0.126 χ^2/NDF : 419.7/17

All: -15.182 ± 0.090 χ^2/NDF : 934.5/38

- sign -15.292 ± 0.128 χ^2/NDF : 513.3/20

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321 ± 0.153 $\chi^2/\text{NDF}: 1620.5/15$

Left Out: -31.642 ± 0.213 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -34.104 ± 0.154 $\chi^2/\text{NDF}: 1434.8/18$

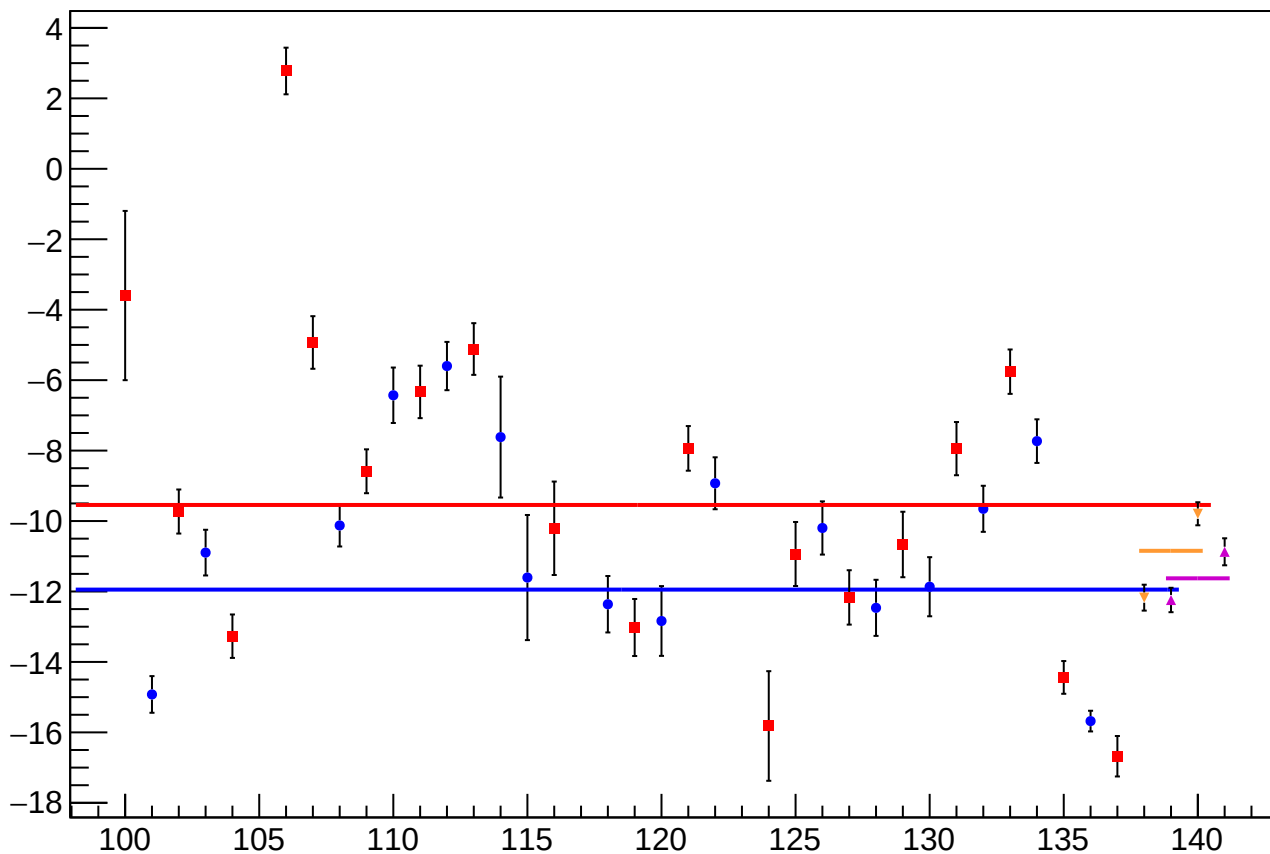
Left In: -33.220 ± 0.249 $\chi^2/\text{NDF}: 302.0/1$

+ sign -33.408 ± 0.124 $\chi^2/\text{NDF}: 1724.6/17$

All: -33.622 ± 0.090 $\chi^2/\text{NDF}: 3476.7/38$

- sign -33.859 ± 0.131 $\chi^2/\text{NDF}: 1745.8/20$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946 ± 0.160 χ^2/NDF : 430.0/15

Left Out: -10.845 ± 0.244 χ^2/NDF : 23.4/1

Right Out: -9.544 ± 0.165 χ^2/NDF : 847.1/18

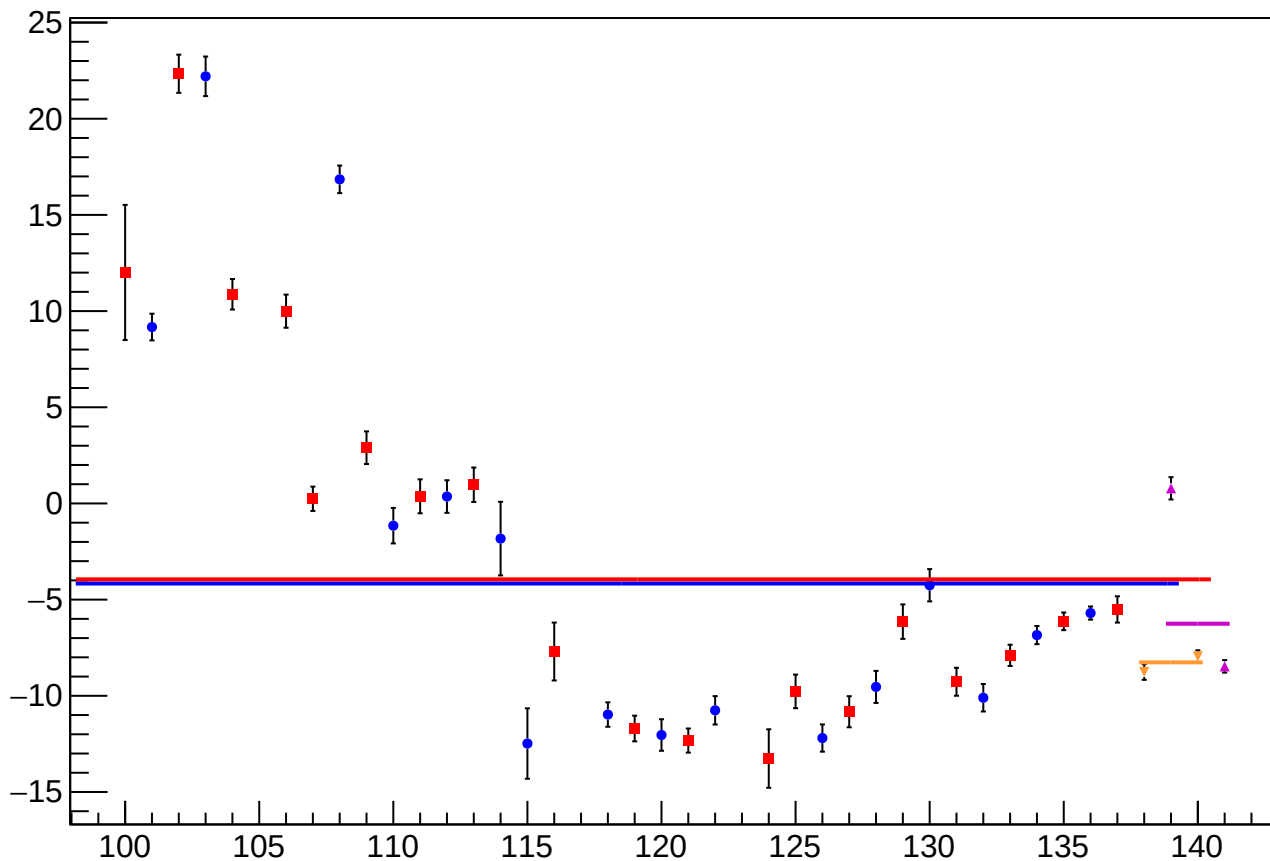
Left In: -11.627 ± 0.257 χ^2/NDF : 7.0/1

+ sign -11.616 ± 0.134 χ^2/NDF : 467.6/17

All: -10.911 ± 0.096 χ^2/NDF : 1425.7/38

- sign -10.152 ± 0.139 χ^2/NDF : 900.6/20

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

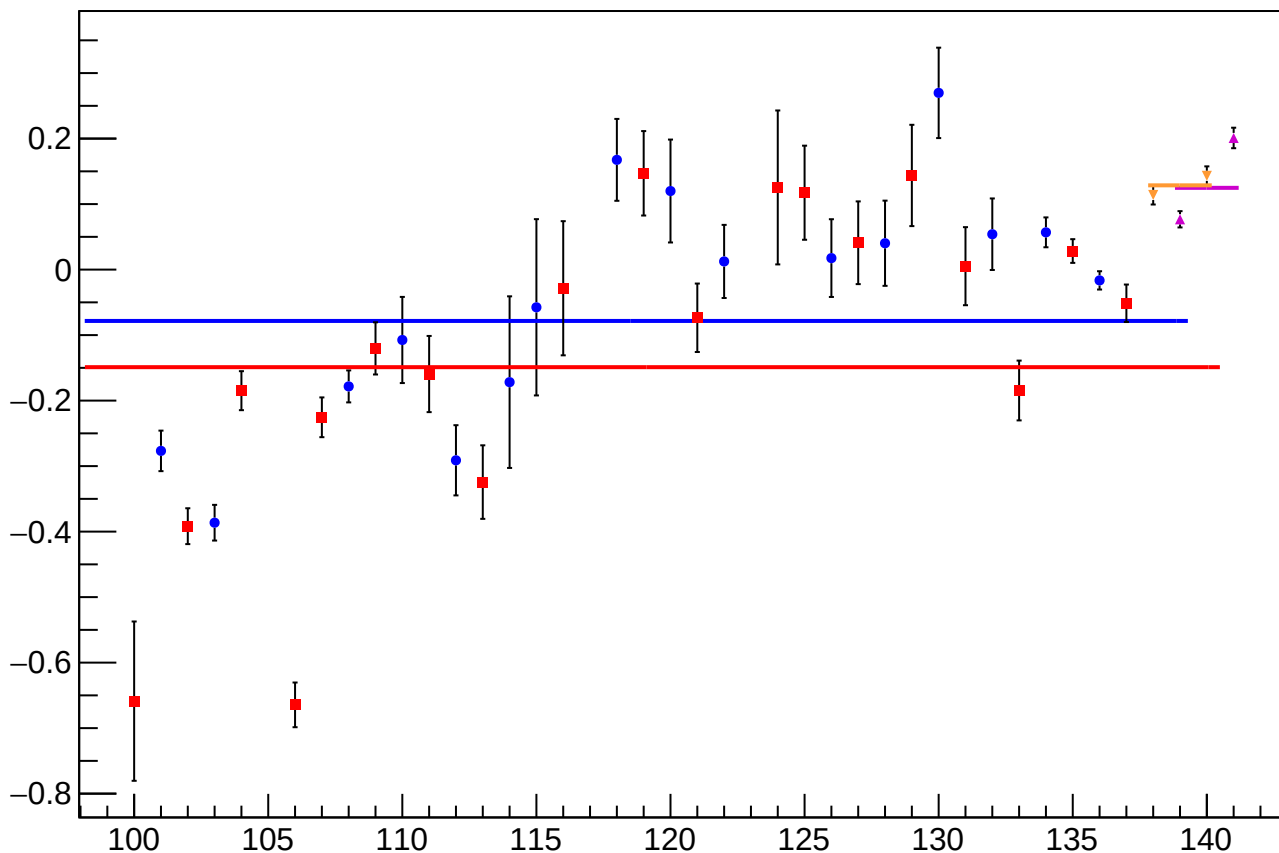
Left In: -6.253 ± 0.284 χ^2/NDF : 193.7/1

+ sign -5.474 ± 0.142 χ^2/NDF : 2709.2/17

All: -5.054 ± 0.103 χ^2/NDF : 5079.3/38

- sign -4.588 ± 0.150 χ^2/NDF : 2351.6/20

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

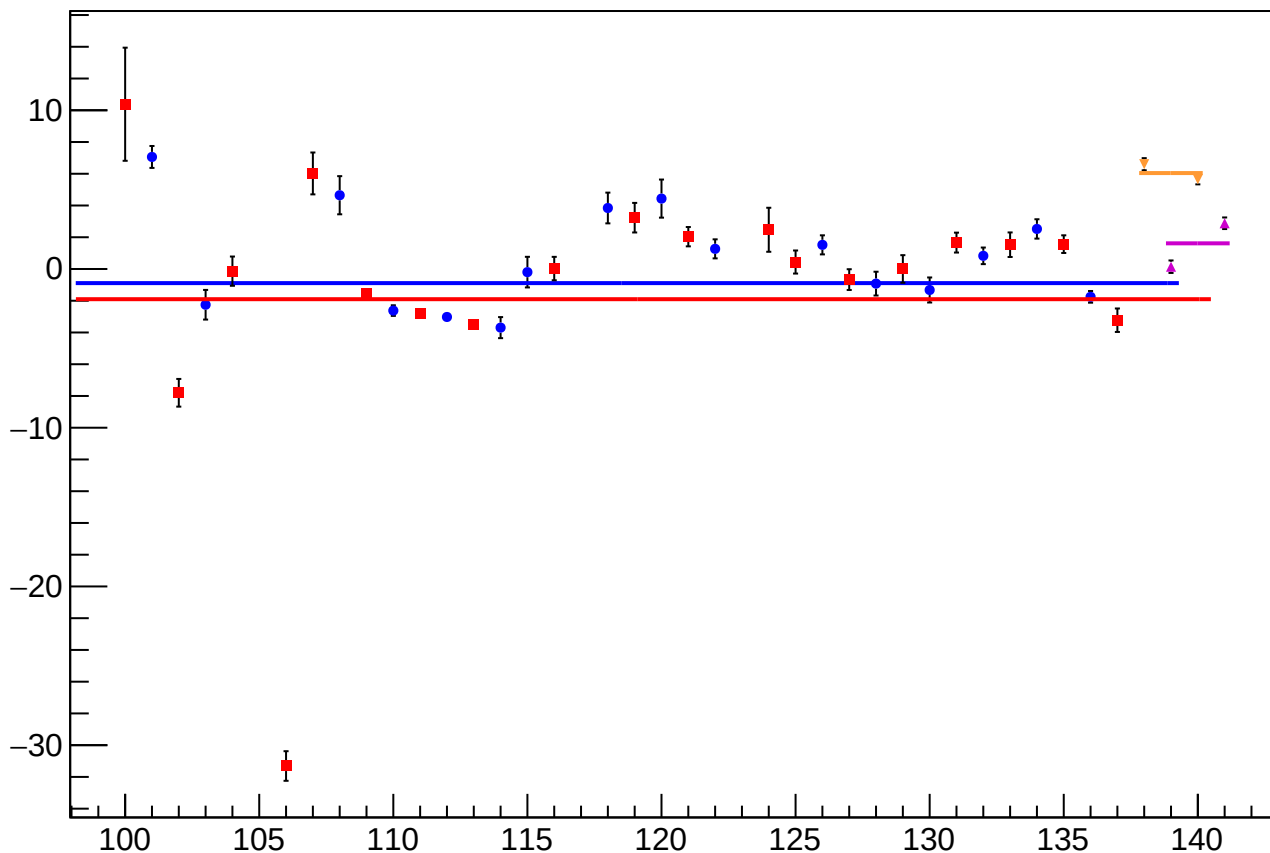
Left In: 0.125 ± 0.010 χ^2/NDF : 38.6/1

+ sign 0.007 ± 0.007 χ^2/NDF : 560.6/17

All: -0.007 ± 0.005 χ^2/NDF : 1556.6/38

- sign -0.022 ± 0.007 χ^2/NDF : 986.8/20

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

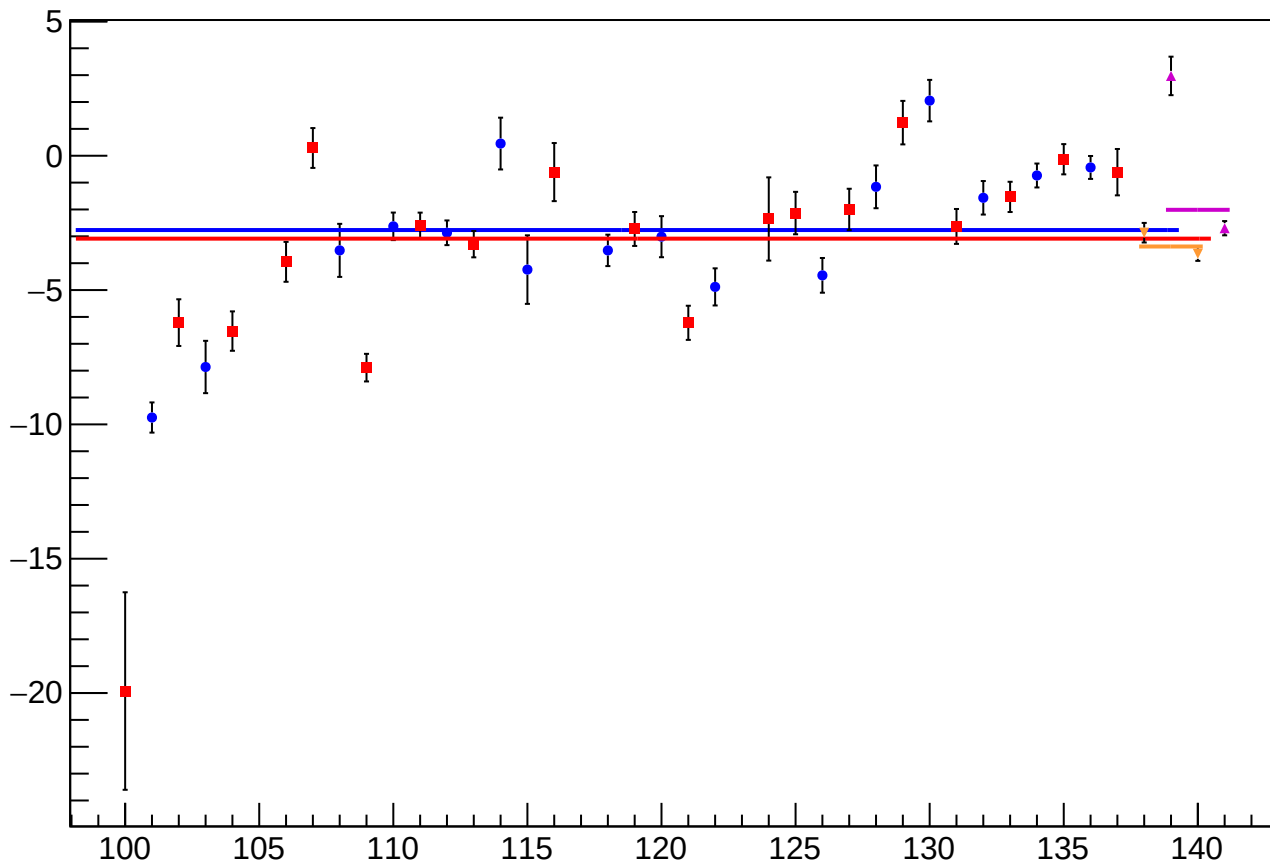
Left In: 1.616 ± 0.268 χ^2/NDF : 26.0/1

+ sign 0.745 ± 0.119 χ^2/NDF : 991.1/17

All: -0.281 ± 0.083 χ^2/NDF : 2632.6/38

- sign -1.245 ± 0.116 χ^2/NDF : 1498.3/20

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

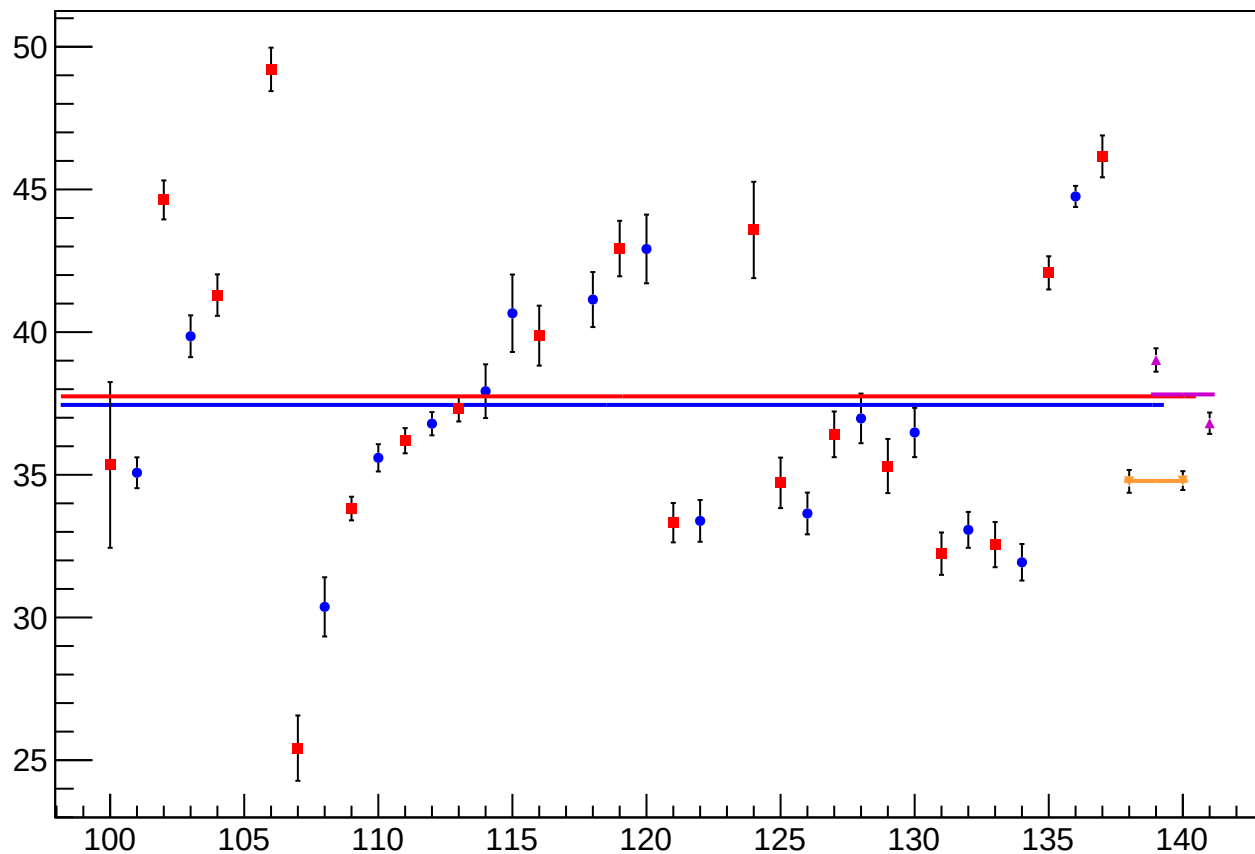
Left In: -2.013 ± 0.249 χ^2/NDF : 55.0/1

+ sign -2.979 ± 0.126 χ^2/NDF : 318.5/17

All: -2.884 ± 0.092 χ^2/NDF : 660.4/38

- sign -2.779 ± 0.133 χ^2/NDF : 340.8/20

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449 $\pm$ 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

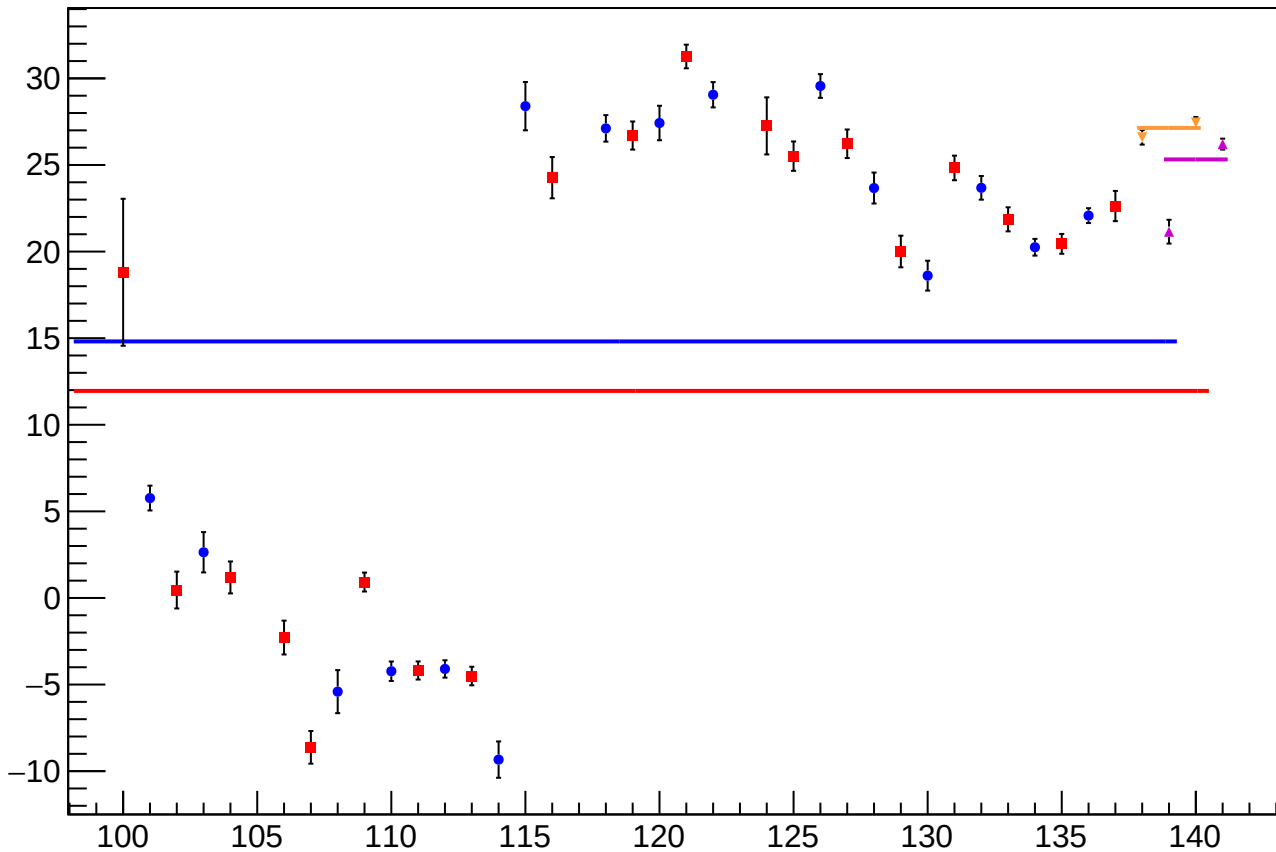
Left In: 37.816 $\pm$ 0.276 χ^2 /NDF:15.9/1

+ sign 36.689 $\pm$ 0.136 χ^2 /NDF: 785.3/17

All: 37.219 $\pm$ 0.097 χ^2 /NDF: 1795.8/38

- sign 37.766 $\pm$ 0.138 χ^2 /NDF: 979.6/20

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

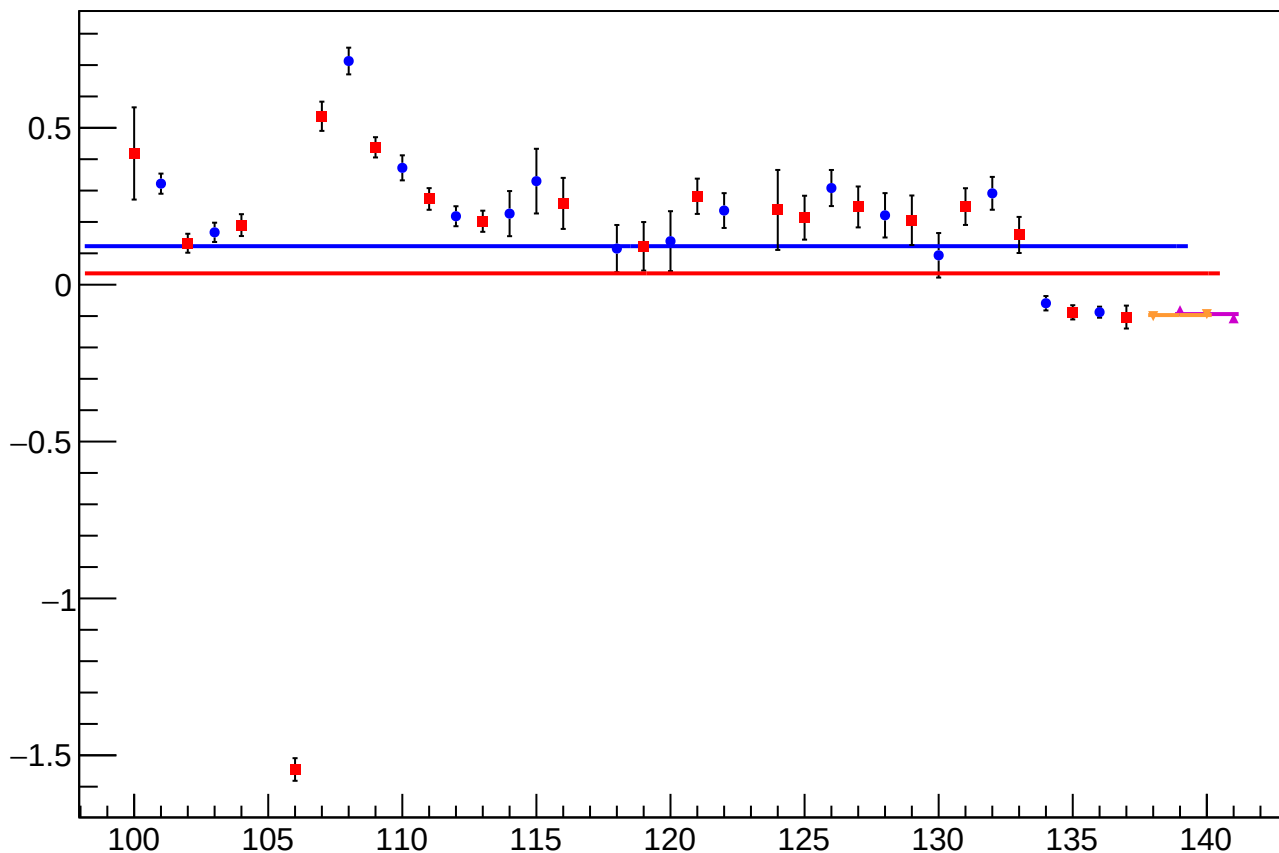
Left In: 25.320 $\pm$ 0.288 χ^2 /NDF: 44.6/1

+ sign 18.745 $\pm$ 0.143 χ^2 /NDF: 7292.6/17

All: 17.259 $\pm$ 0.104 χ^2 /NDF: 15235.5/38

- sign 15.622 $\pm$ 0.151 χ^2 /NDF: 7717.6/20

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

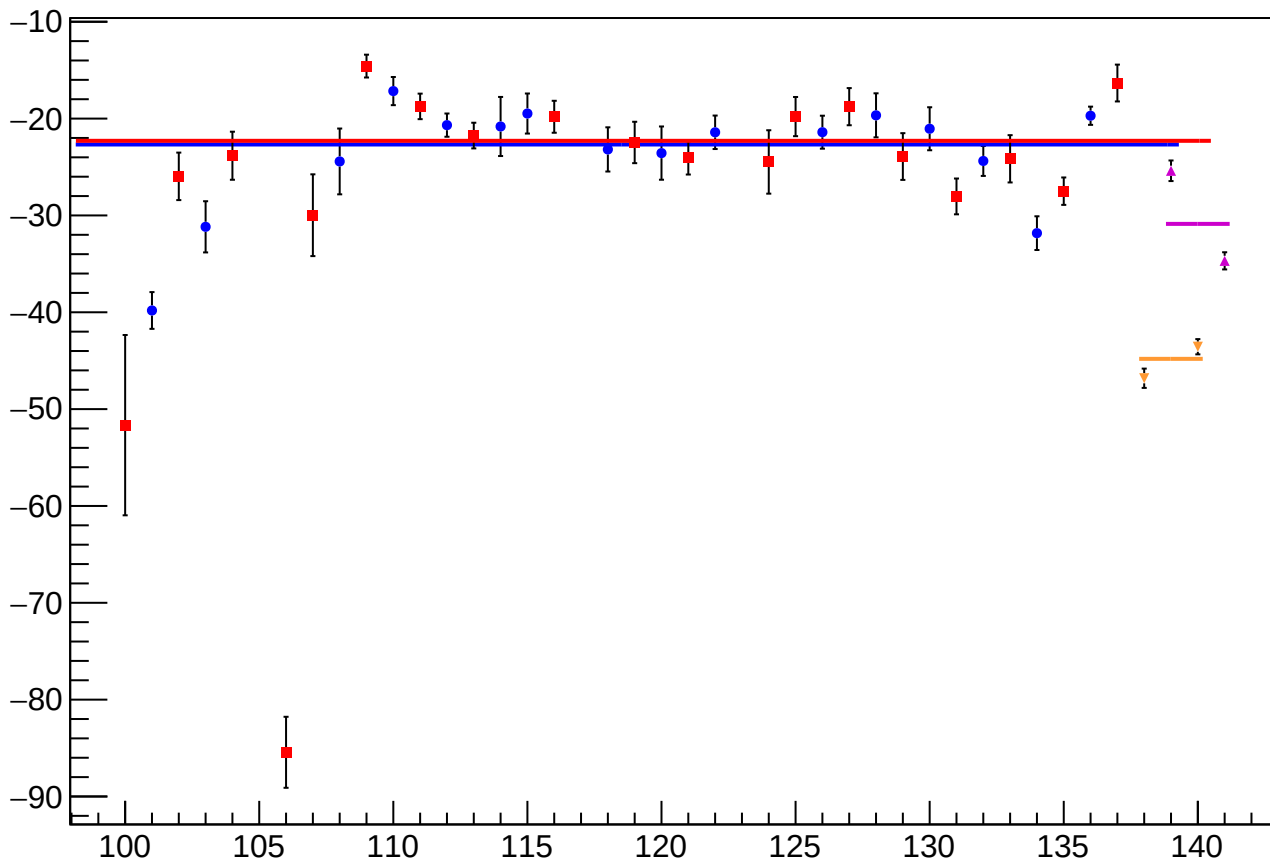
Left In: -0.094 $\pm$ 0.011 χ^2 /NDF: 1.5/1

+ sign 0.028 $\pm$ 0.007 χ^2 /NDF: 754.1/17

All: 0.003 $\pm$ 0.005 χ^2 /NDF: 3277.3/38

- sign -0.023 $\pm$ 0.007 χ^2 /NDF: 2497.0/20

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675 ± 0.435 χ^2/NDF : 154.4/15

Left Out: -44.809 ± 0.617 χ^2/NDF : 6.6/1

Right Out: -22.295 ± 0.435 χ^2/NDF : 405.5/18

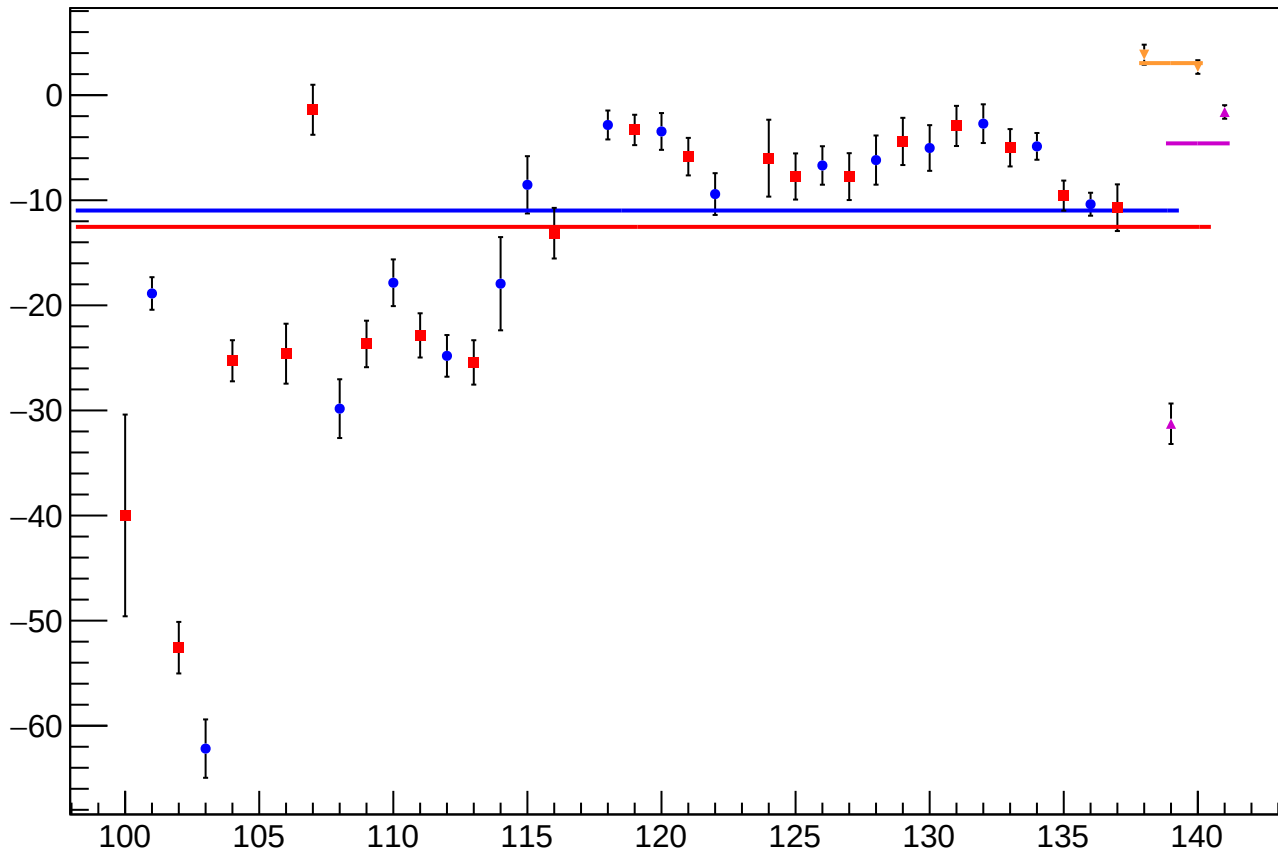
Left In: -30.873 ± 0.681 χ^2/NDF : 45.1/1

+ sign -30.006 ± 0.355 χ^2/NDF : 1020.4/17

All: -27.476 ± 0.255 χ^2/NDF : 1688.3/38

- sign -24.782 ± 0.367 χ^2/NDF : 563.3/20

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978 ± 0.453 χ^2/NDF : 587.3/15

Left Out: 3.048 ± 0.536 χ^2/NDF : 1.0/1

Right Out: -12.533 ± 0.481 χ^2/NDF : 572.3/18

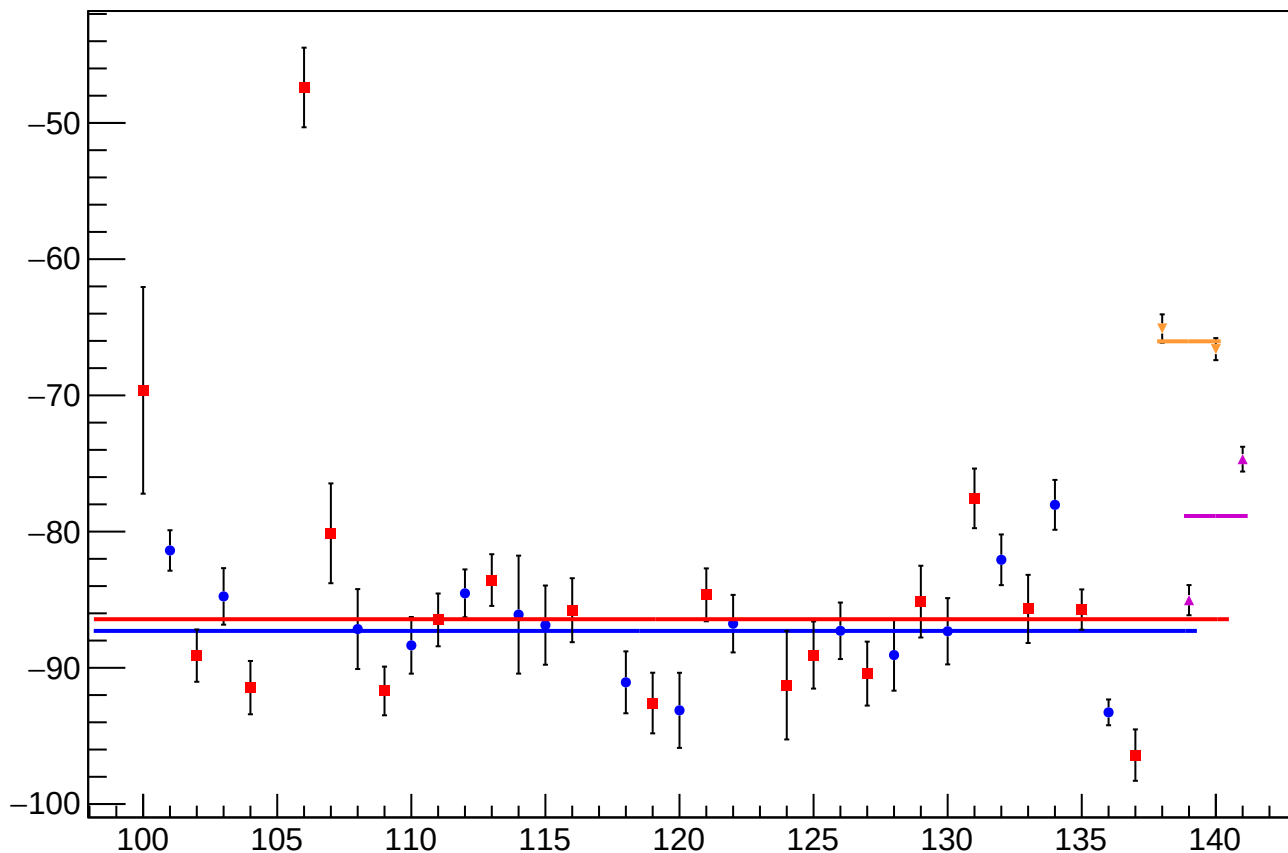
Left In: -4.590 ± 0.611 χ^2/NDF : 213.4/1

+ sign -5.128 ± 0.346 χ^2/NDF : 987.6/17

All: -7.119 ± 0.255 χ^2/NDF : 1950.2/38

- sign -9.495 ± 0.378 χ^2/NDF : 890.0/20

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291 $\pm$ 0.481 χ^2 /NDF: 101.2/15

Left Out: -66.032 $\pm$ 0.638 χ^2 /NDF: 1.3/1

Right Out: -86.431 $\pm$ 0.506 χ^2 /NDF: 264.8/18

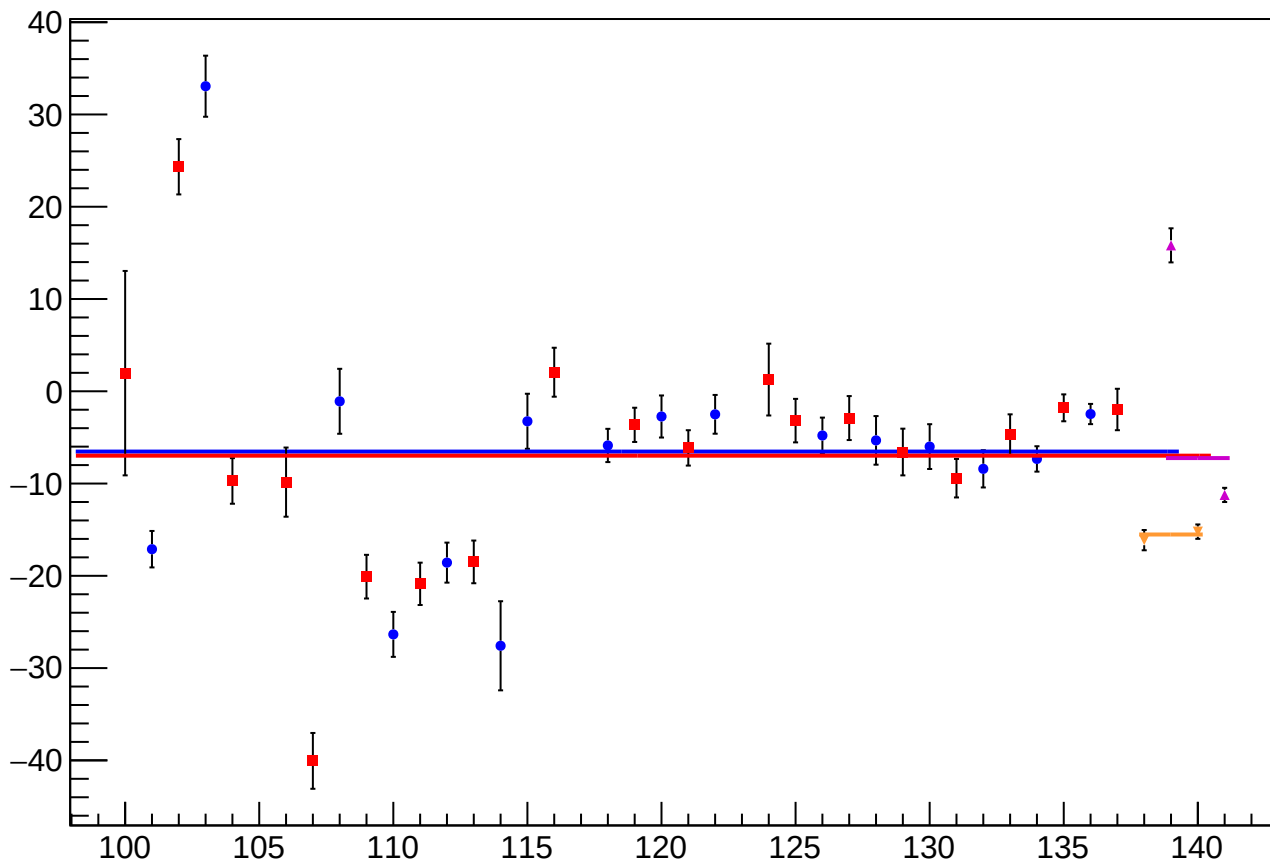
Left In: -78.853 $\pm$ 0.703 χ^2 /NDF: 52.2/1

+ sign -79.600 $\pm$ 0.384 χ^2 /NDF: 810.4/17

All: -81.580 $\pm$ 0.280 χ^2 /NDF: 1261.0/38

- sign -83.845 $\pm$ 0.411 χ^2 /NDF: 393.6/20

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535 ± 0.508 χ^2/NDF : 313.9/15

Left Out: -15.522 ± 0.637 χ^2/NDF : 0.5/1

Right Out: -6.979 ± 0.542 χ^2/NDF : 368.3/18

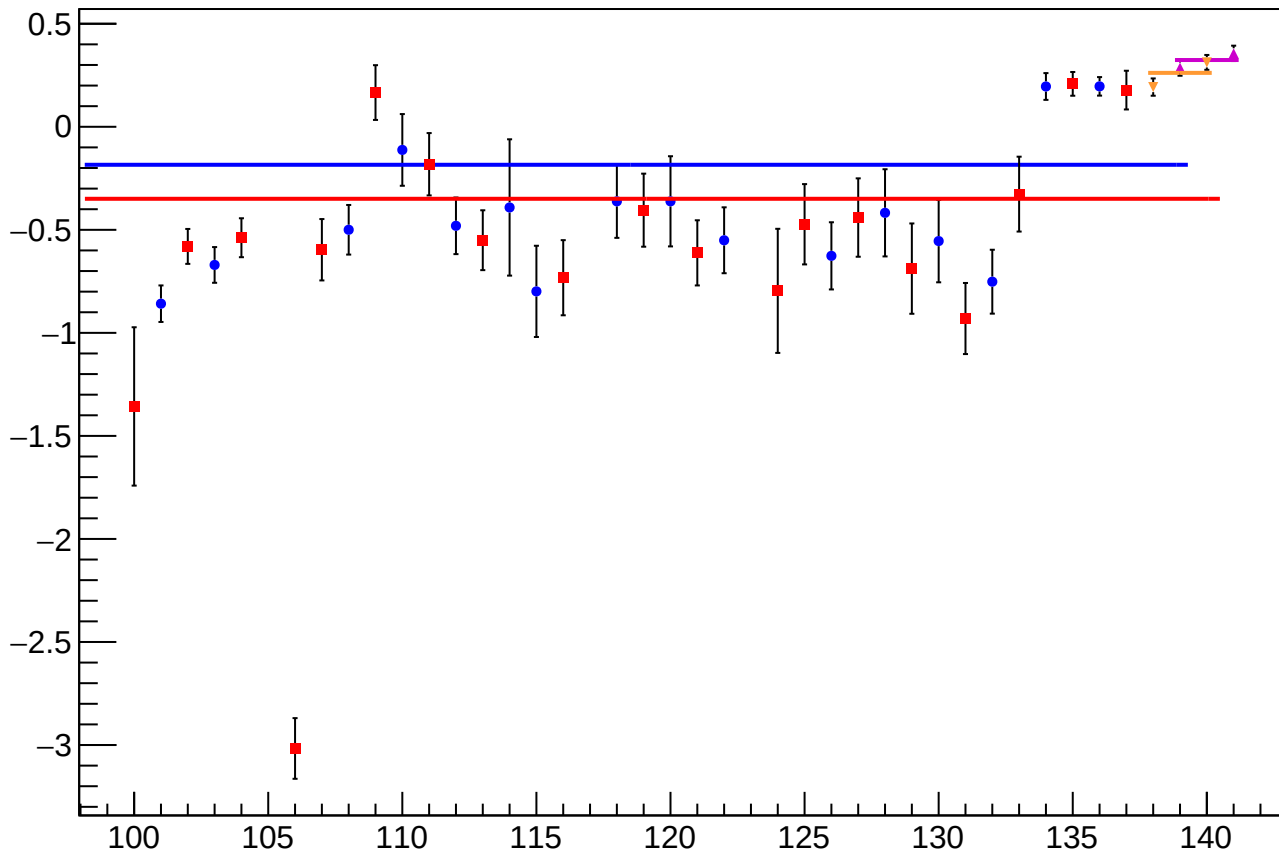
Left In: -7.239 ± 0.710 χ^2/NDF : 182.7/1

+ sign -10.030 ± 0.397 χ^2/NDF : 436.2/17

All: -8.672 ± 0.292 χ^2/NDF : 1012.8/38

- sign -7.075 ± 0.431 χ^2/NDF : 551.2/20

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184 ± 0.027 χ^2/NDF : 247.3/15

Left Out: 0.262 ± 0.027 χ^2/NDF : 4.7/1

Right Out: -0.349 ± 0.029 χ^2/NDF : 516.5/18

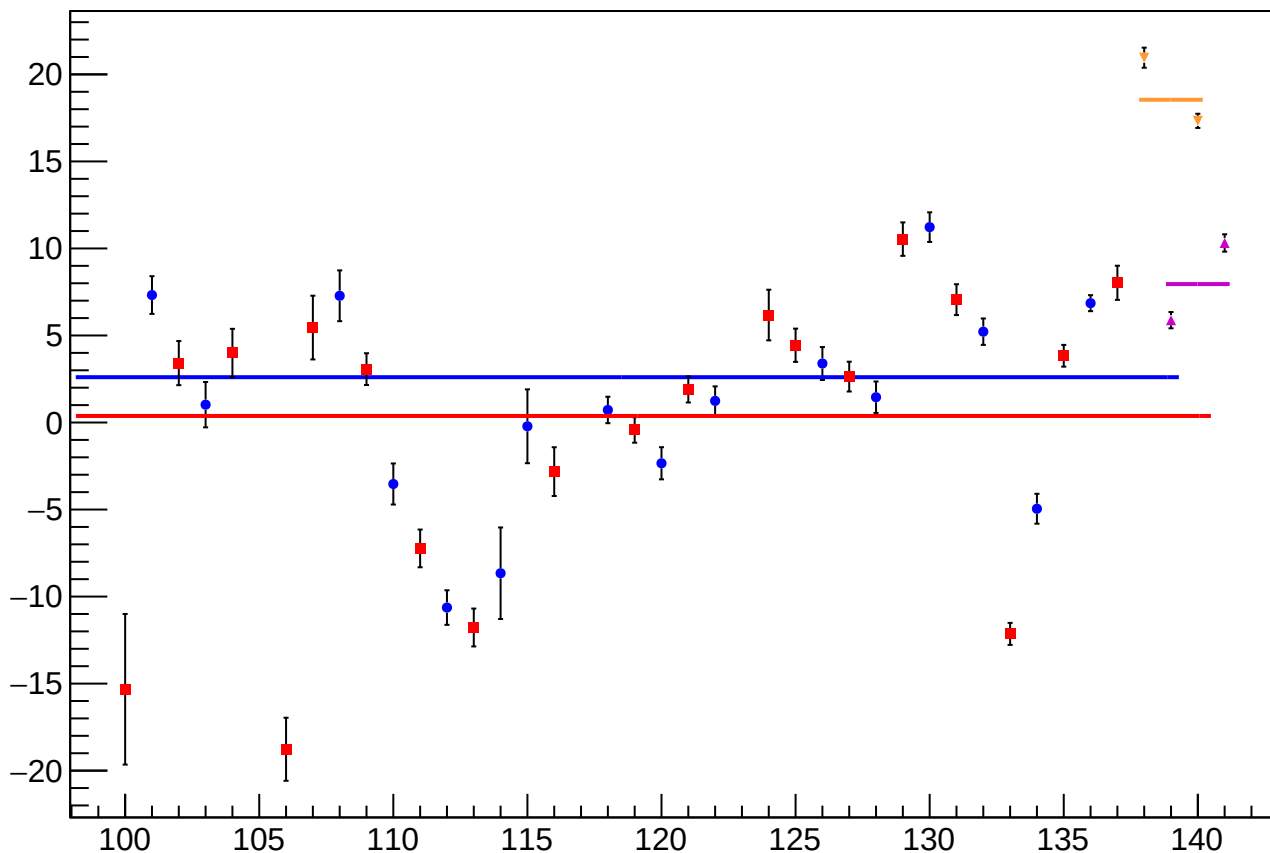
Left In: 0.324 ± 0.027 χ^2/NDF : 1.6/1

+ sign 0.034 ± 0.019 χ^2/NDF : 387.9/17

All: 0.024 ± 0.014 χ^2/NDF : 1190.6/38

- sign 0.013 ± 0.020 χ^2/NDF : 802.1/20

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604 $\pm$ 0.224 χ^2 /NDF: 573.1/15

Left Out: 18.542 $\pm$ 0.333 χ^2 /NDF: 26.4/1

Right Out: 0.377 $\pm$ 0.222 χ^2 /NDF: 1030.9/18

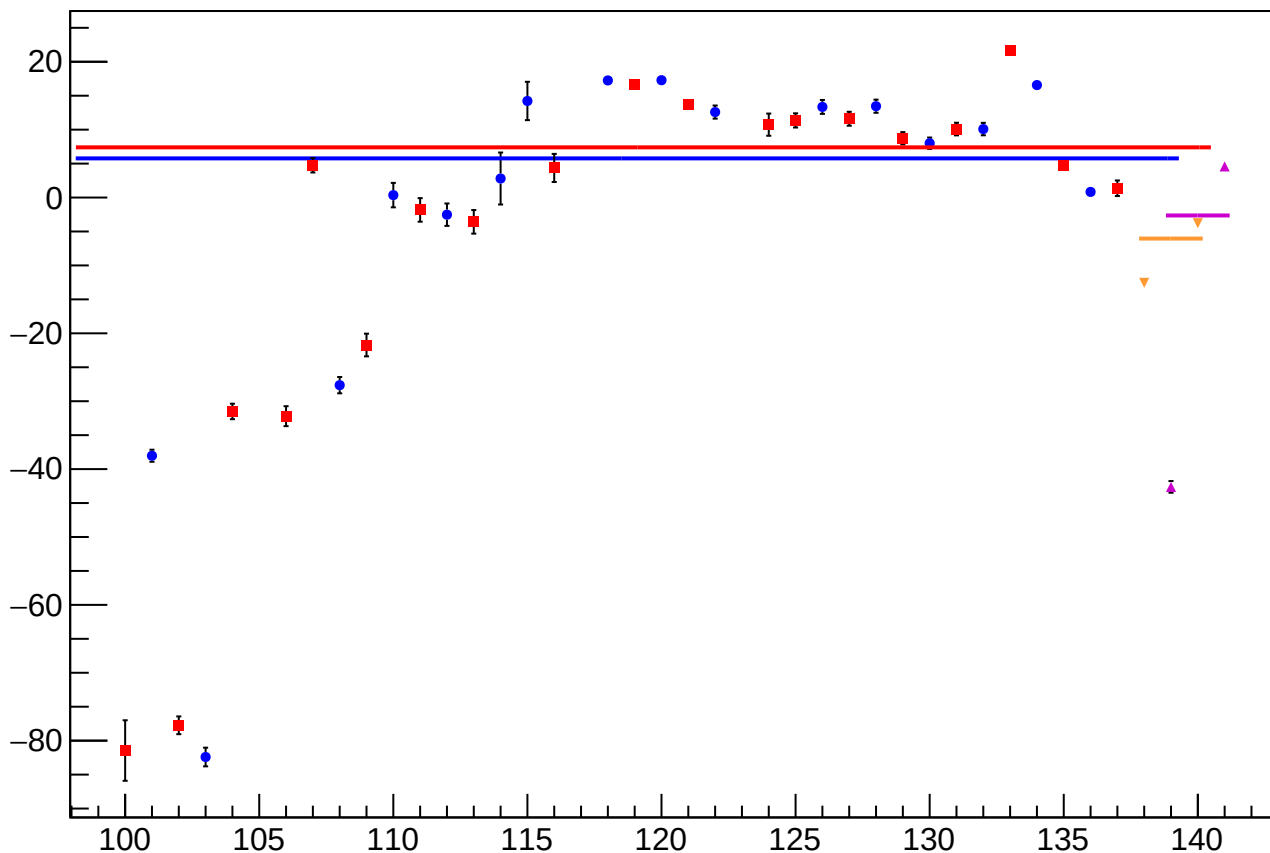
Left In: 7.954 $\pm$ 0.341 χ^2 /NDF: 42.2/1

+ sign 7.567 $\pm$ 0.186 χ^2 /NDF: 2174.7/17

All: 5.105 $\pm$ 0.132 χ^2 /NDF: 3945.6/38

- sign 2.638 $\pm$ 0.186 χ^2 /NDF: 1420.0/20

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

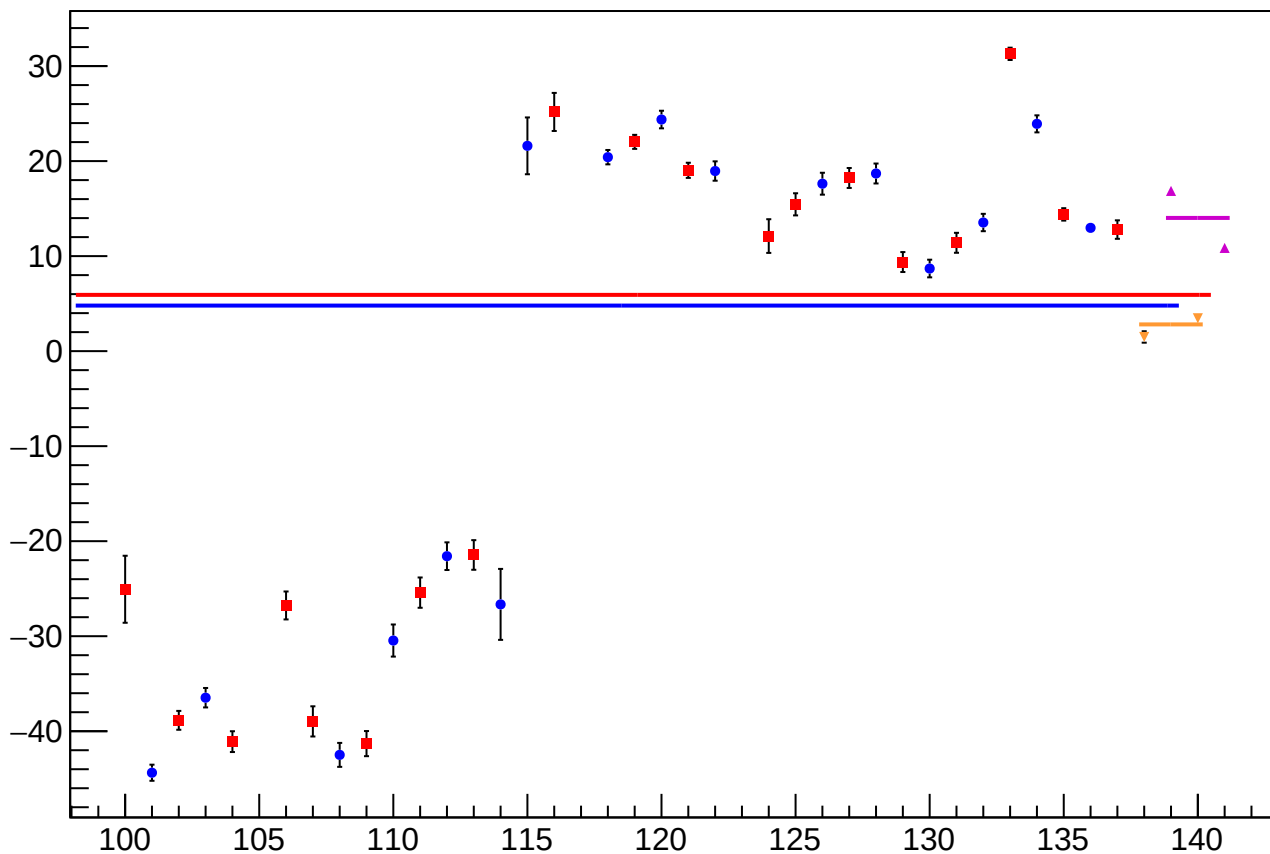
Left In: -2.641 ± 0.336 χ^2/NDF : 2560.4/1

+ sign 1.803 ± 0.171 χ^2/NDF : 10166.9/17

All: 3.150 ± 0.123 χ^2/NDF : 21890.4/38

- sign 4.597 ± 0.177 χ^2/NDF : 11594.8/20

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794 $\pm$ 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

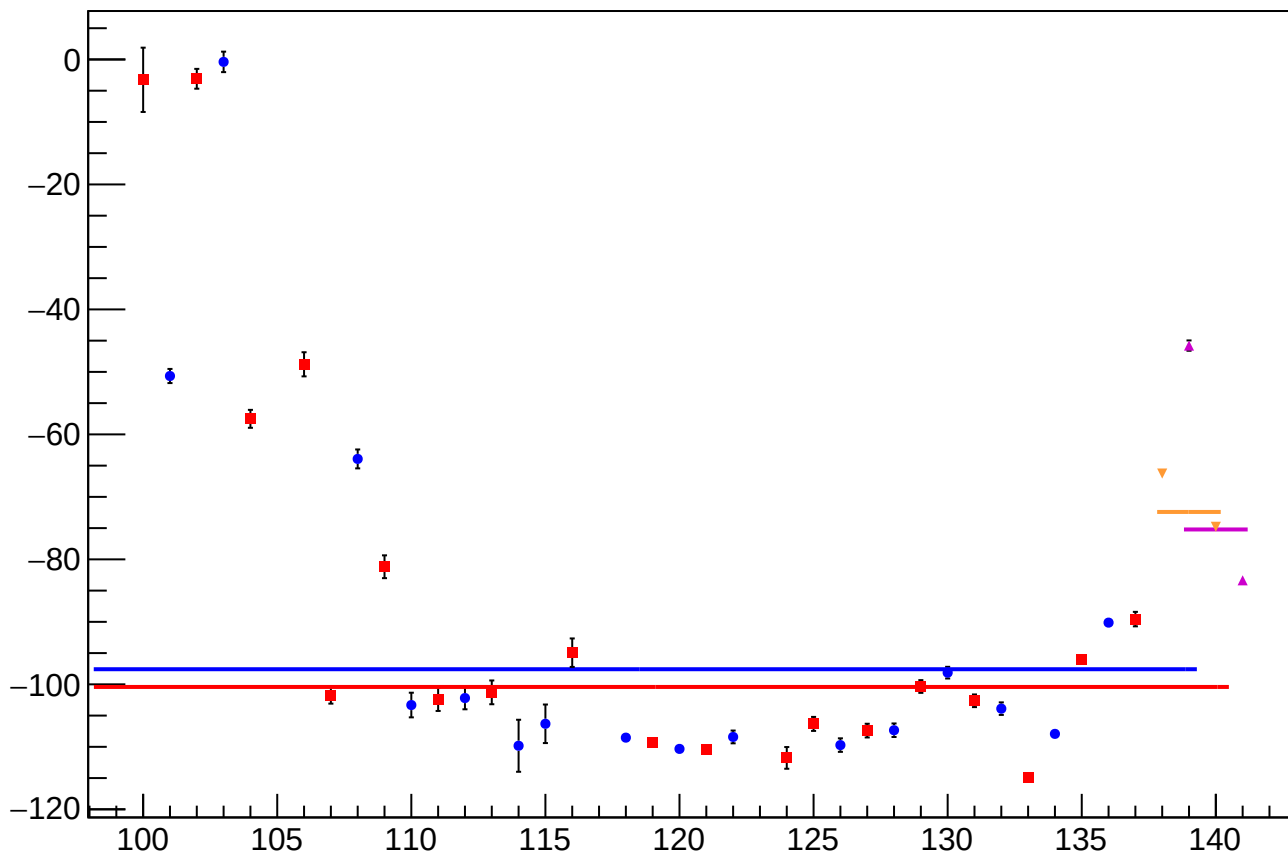
Left In: 14.019 $\pm$ 0.352 χ^2 /NDF: 72.5/1

+ sign 4.156 $\pm$ 0.195 χ^2 /NDF: 9526.5/17

All: 6.293 $\pm$ 0.139 χ^2 /NDF: 20262.2/38

- sign 8.490 $\pm$ 0.198 χ^2 /NDF: 10493.4/20

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 $\chi^2/\text{NDF}: 7115.7/18$

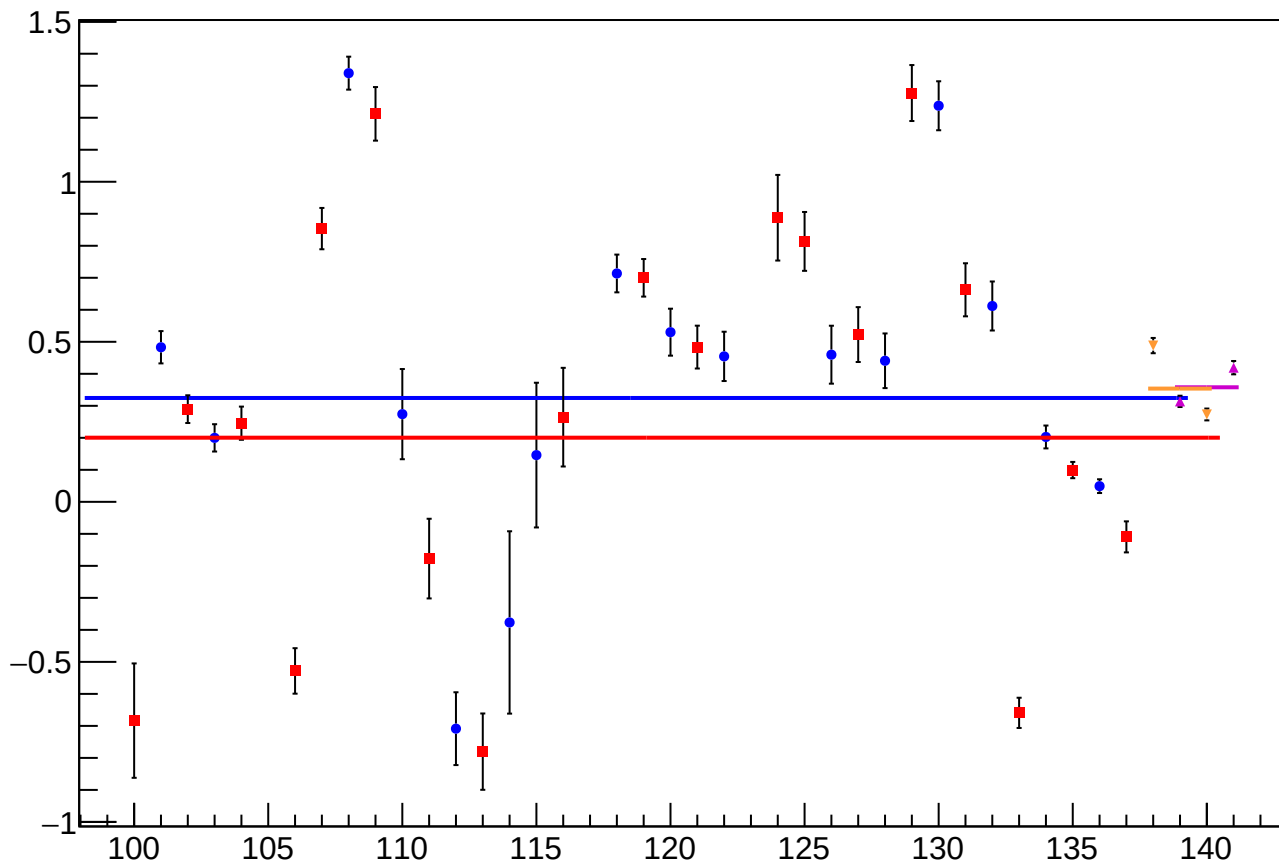
Left In: -75.216 ± 0.384 $\chi^2/\text{NDF}: 1624.7/1$

+ sign -89.433 ± 0.199 $\chi^2/\text{NDF}: 10774.4/17$

All: -91.312 ± 0.142 $\chi^2/\text{NDF}: 22790.5/38$

- sign -93.293 ± 0.204 $\chi^2/\text{NDF}: 11832.5/20$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324 ± 0.013 χ^2/NDF : 886.5/15

Left Out: 0.354 ± 0.015 χ^2/NDF : 50.7/1

Right Out: 0.200 ± 0.014 χ^2/NDF : 1206.3/18

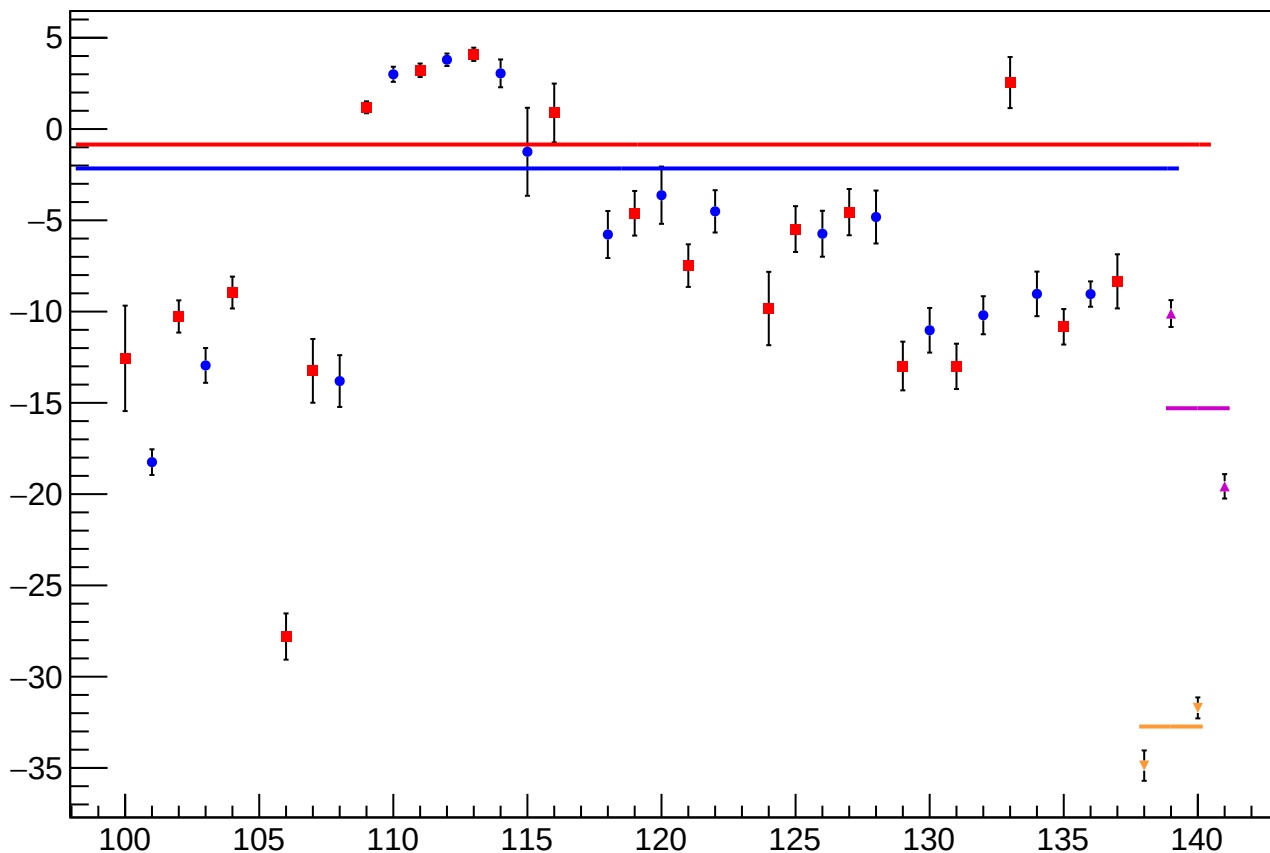
Left In: 0.358 ± 0.013 χ^2/NDF : 14.8/1

+ sign 0.338 ± 0.010 χ^2/NDF : 939.5/17

All: 0.309 ± 0.007 χ^2/NDF : 2243.8/38

- sign 0.281 ± 0.010 χ^2/NDF : 1287.5/20

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159 ± 0.192 χ^2/NDF : 1491.0/15

Left Out: -32.731 ± 0.473 χ^2/NDF : 9.8/1

Right Out: -0.848 ± 0.170 χ^2/NDF : 1465.4/18

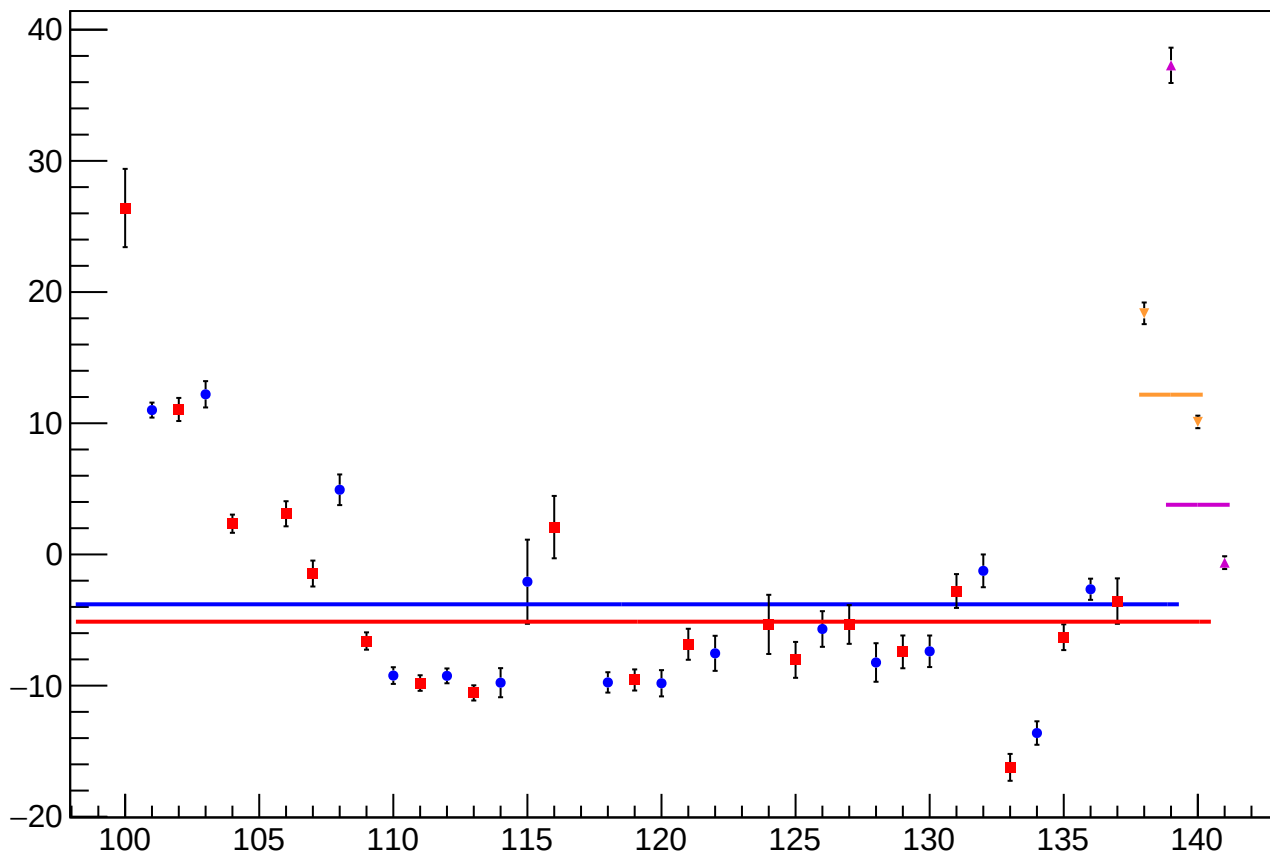
Left In: -15.295 ± 0.495 χ^2/NDF : 90.6/1

+ sign -6.490 ± 0.178 χ^2/NDF : 5093.2/17

All: -4.232 ± 0.119 χ^2/NDF : 7704.7/38

- sign -2.380 ± 0.161 χ^2/NDF : 2318.1/20

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800 ± 0.226 χ^2/NDF : 1425.5/15

Left Out: 12.179 ± 0.413 χ^2/NDF : 75.4/1

Right Out: -5.126 ± 0.219 χ^2/NDF : 980.6/18

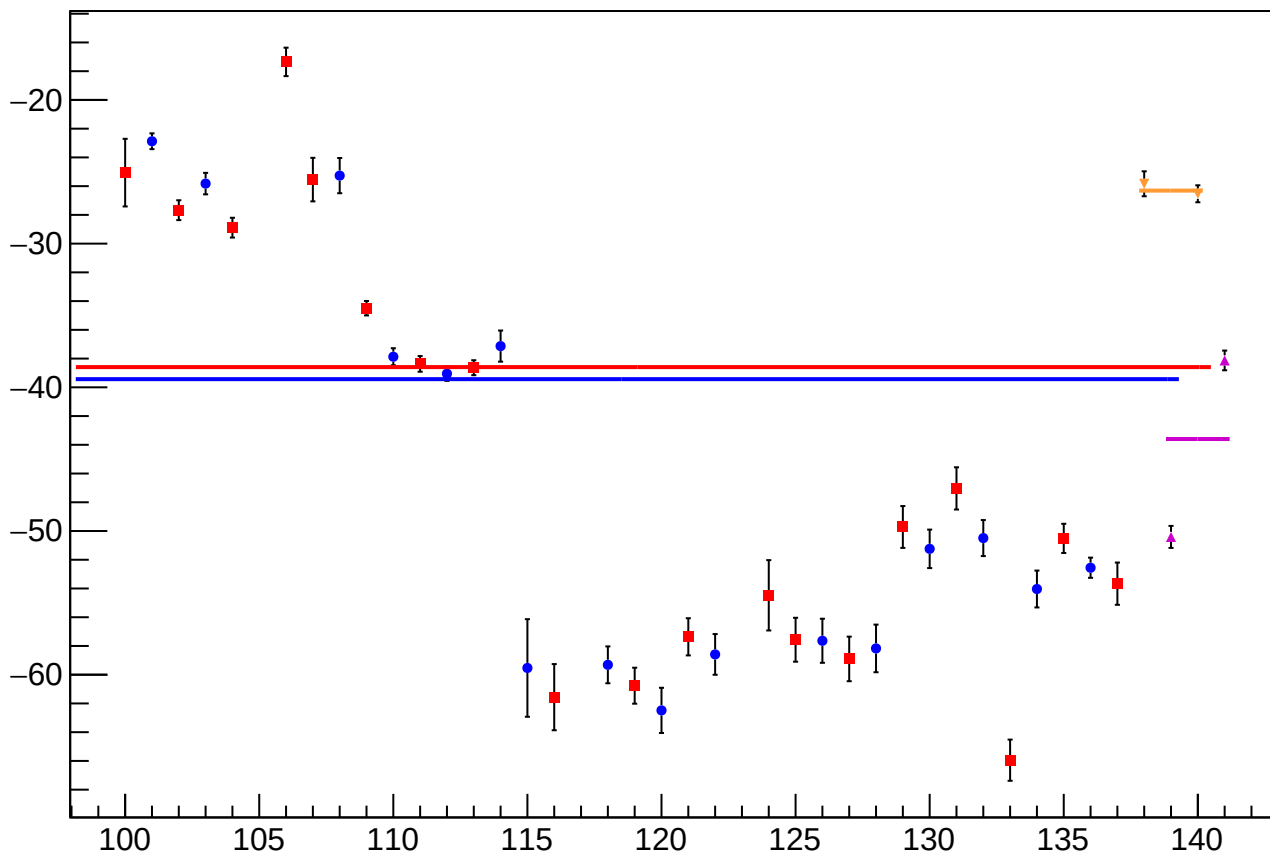
Left In: 3.786 ± 0.459 χ^2/NDF : 700.8/1

+ sign -0.131 ± 0.198 χ^2/NDF : 2652.0/17

All: -1.810 ± 0.140 χ^2/NDF : 4783.6/38

- sign -3.477 ± 0.197 χ^2/NDF : 1988.5/20

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431 ± 0.225 χ^2/NDF : 2958.1/15

Left Out: -26.311 ± 0.488 χ^2/NDF : 0.4/1

Right Out: -38.593 ± 0.213 χ^2/NDF : 2772.1/18

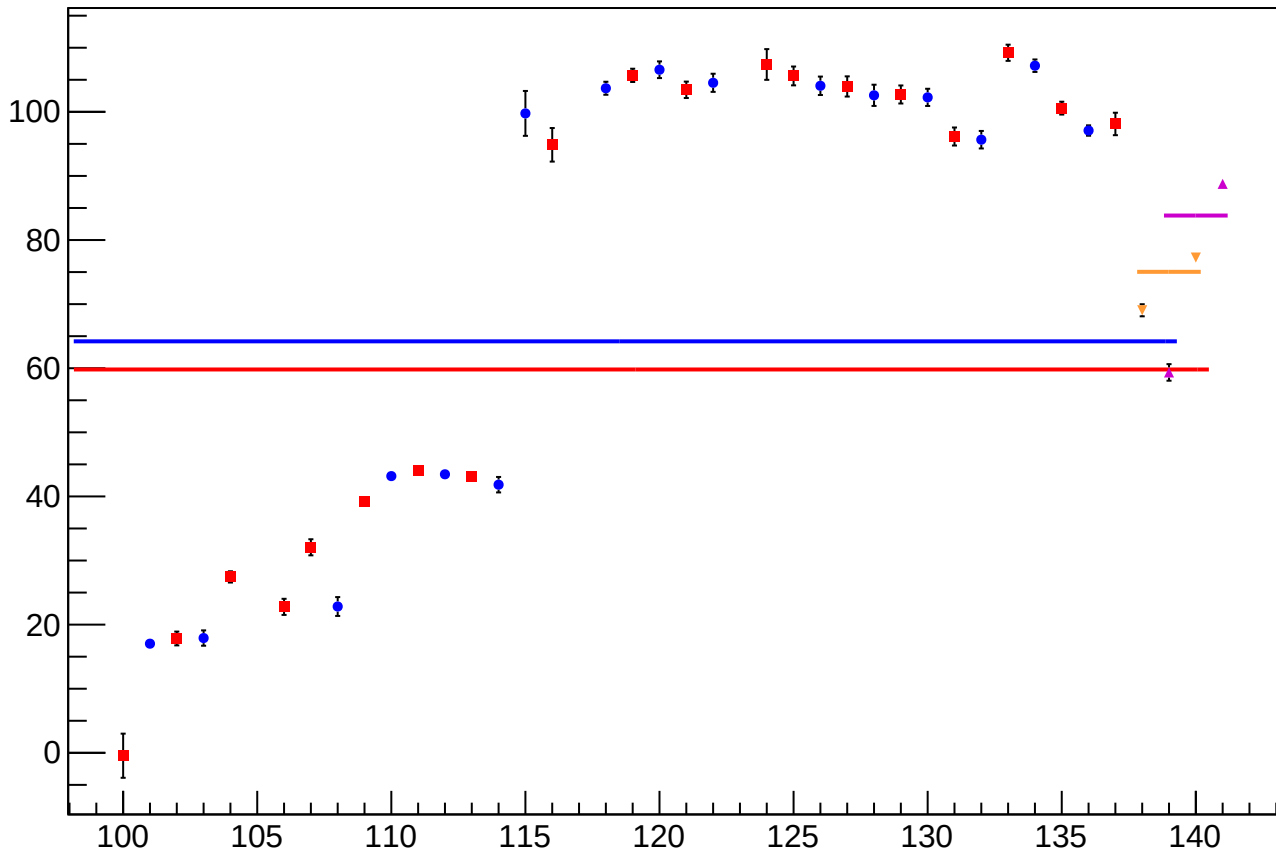
Left In: -43.598 ± 0.511 χ^2/NDF : 142.8/1

+ sign -37.126 ± 0.205 χ^2/NDF : 3553.7/17

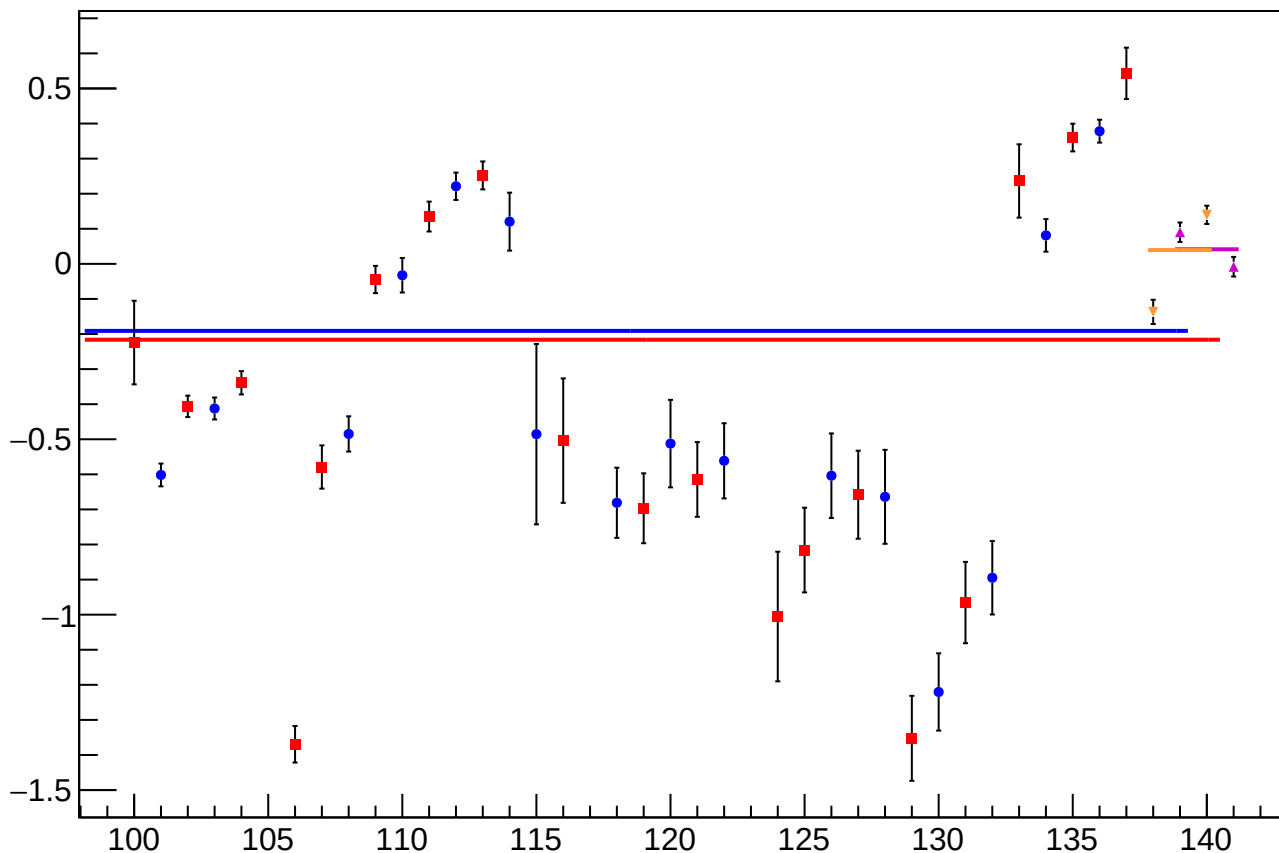
All: -38.275 ± 0.142 χ^2/NDF : 6610.9/38

- sign -39.331 ± 0.196 χ^2/NDF : 2996.8/20

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

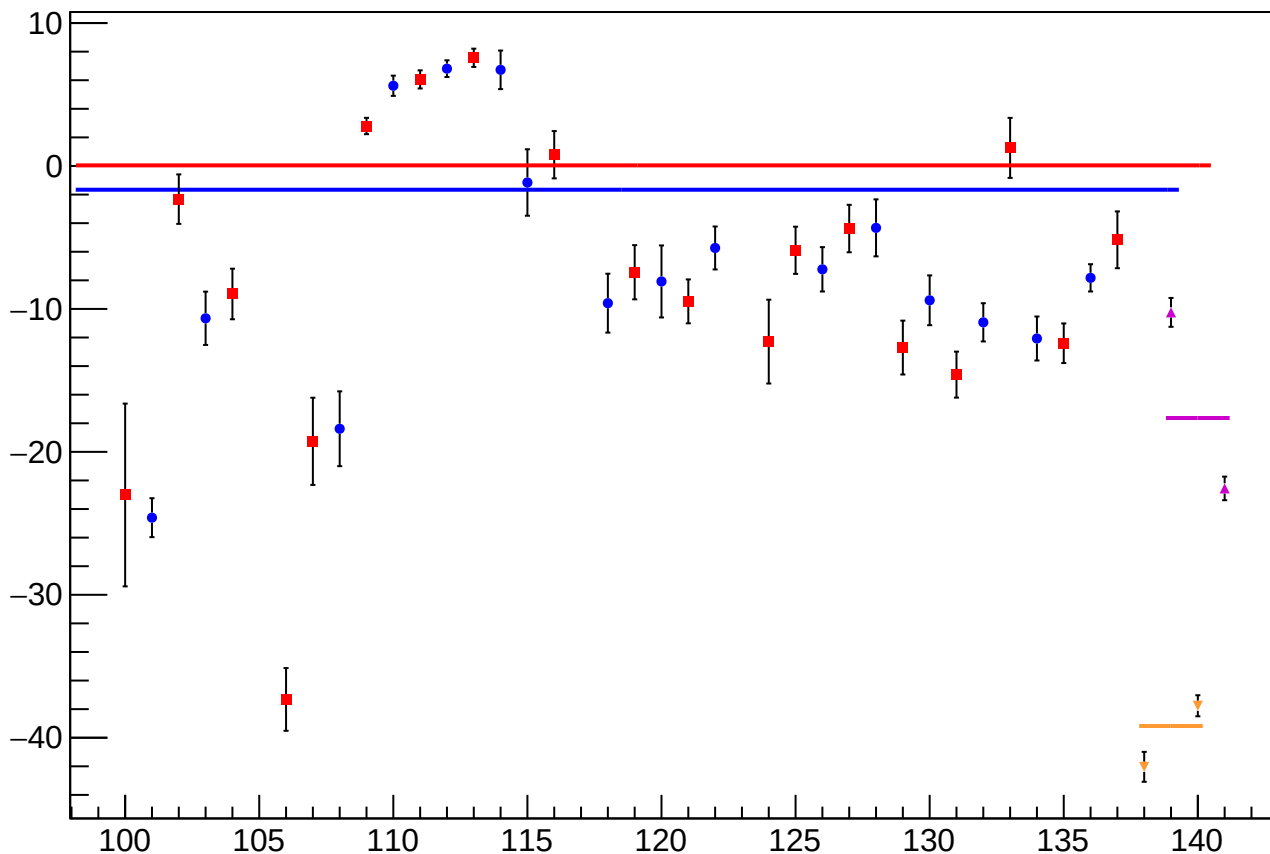
Left In: 0.042 ± 0.020 χ^2/NDF : 6.2/1

+ sign -0.123 ± 0.011 χ^2/NDF : 1045.4/17

All: -0.131 ± 0.008 χ^2/NDF : 2540.5/38

- sign -0.138 ± 0.011 χ^2/NDF : 1494.1/20

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2 /NDF: 900.3/15

Left Out: -39.178+/-0.602 χ^2 /NDF:11.1/1

Right Out: 0.042+/-0.282 χ^2 /NDF: 931.1/18

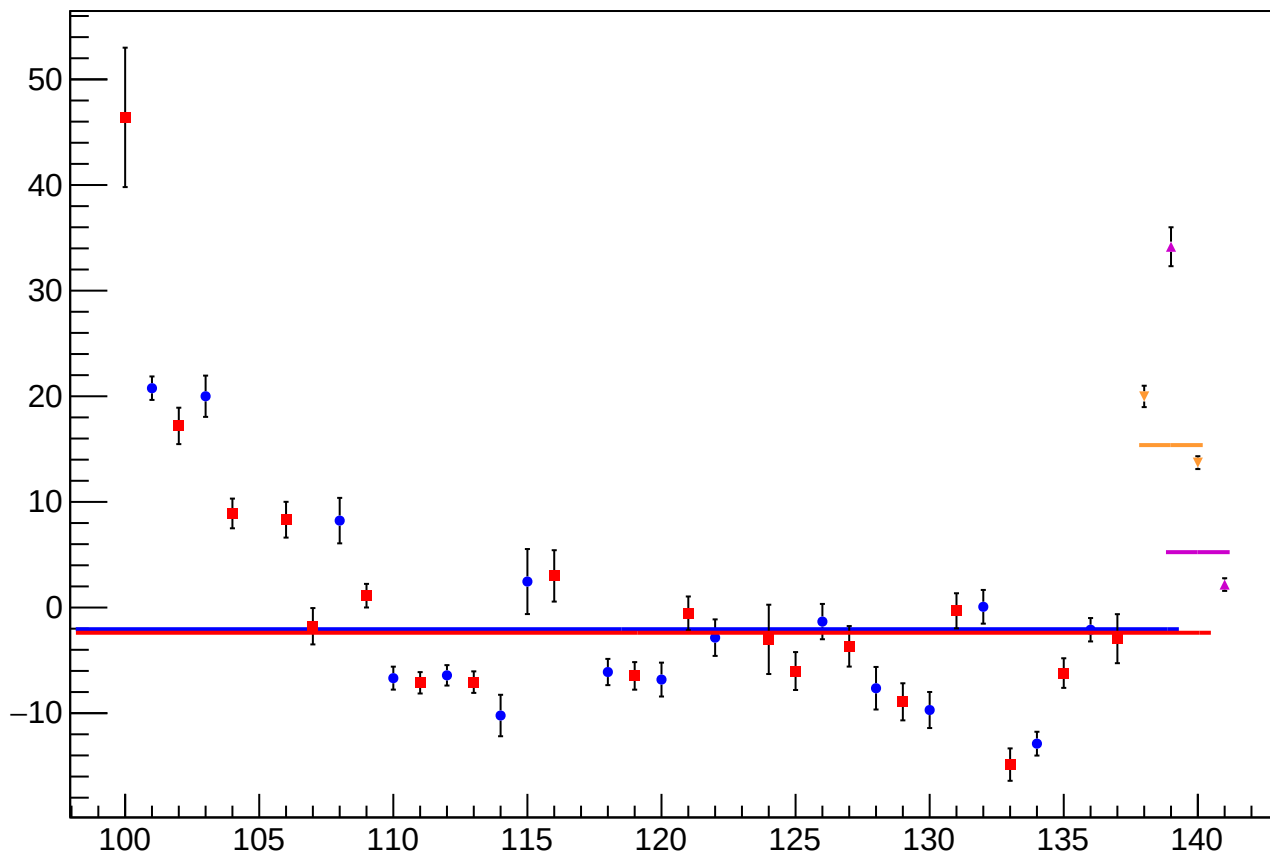
Left In: -17.631+/-0.639 χ^2 /NDF:89.1/1

+ sign -9.437+/-0.274 χ^2 /NDF: 3985.5/17

All: -5.934+/-0.188 χ^2 /NDF: 5953.4/38

- sign -2.837+/-0.258 χ^2 /NDF: 1660.5/20

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050 ± 0.356 χ^2/NDF : 771.9/15

Left Out: 15.380 ± 0.521 χ^2/NDF : 28.2/1

Right Out: -2.386 ± 0.355 χ^2/NDF : 450.9/18

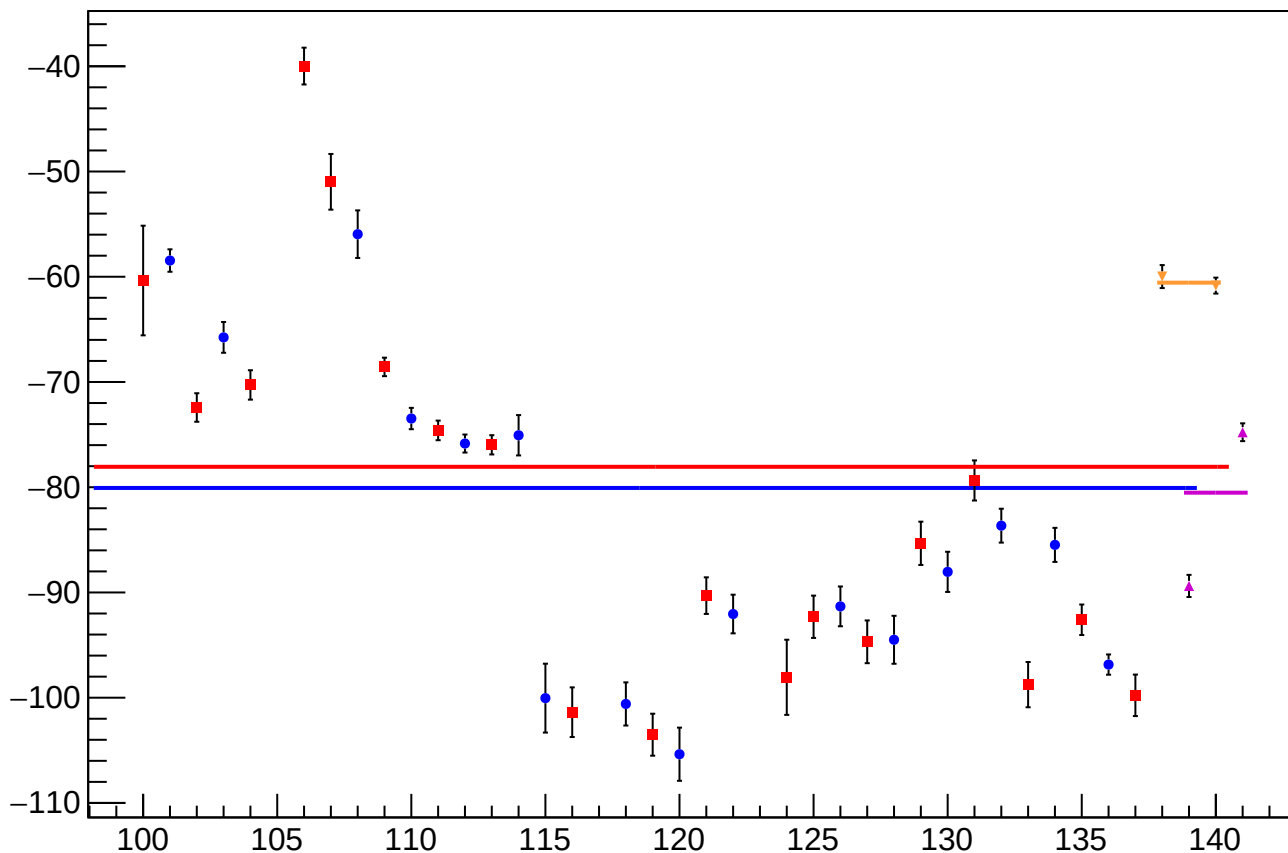
Left In: 5.244 ± 0.571 χ^2/NDF : 272.4/1

+ sign 3.500 ± 0.294 χ^2/NDF : 1562.7/17

All: 1.670 ± 0.211 χ^2/NDF : 2494.3/38

- sign -0.255 ± 0.302 χ^2/NDF : 852.1/20

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069 $\pm$ 0.364 χ^2/NDF : 1387.2/15

Left Out: -60.563 $\pm$ 0.622 χ^2/NDF : 0.4/1

Right Out: -78.059 $\pm$ 0.354 χ^2/NDF : 1561.2/18

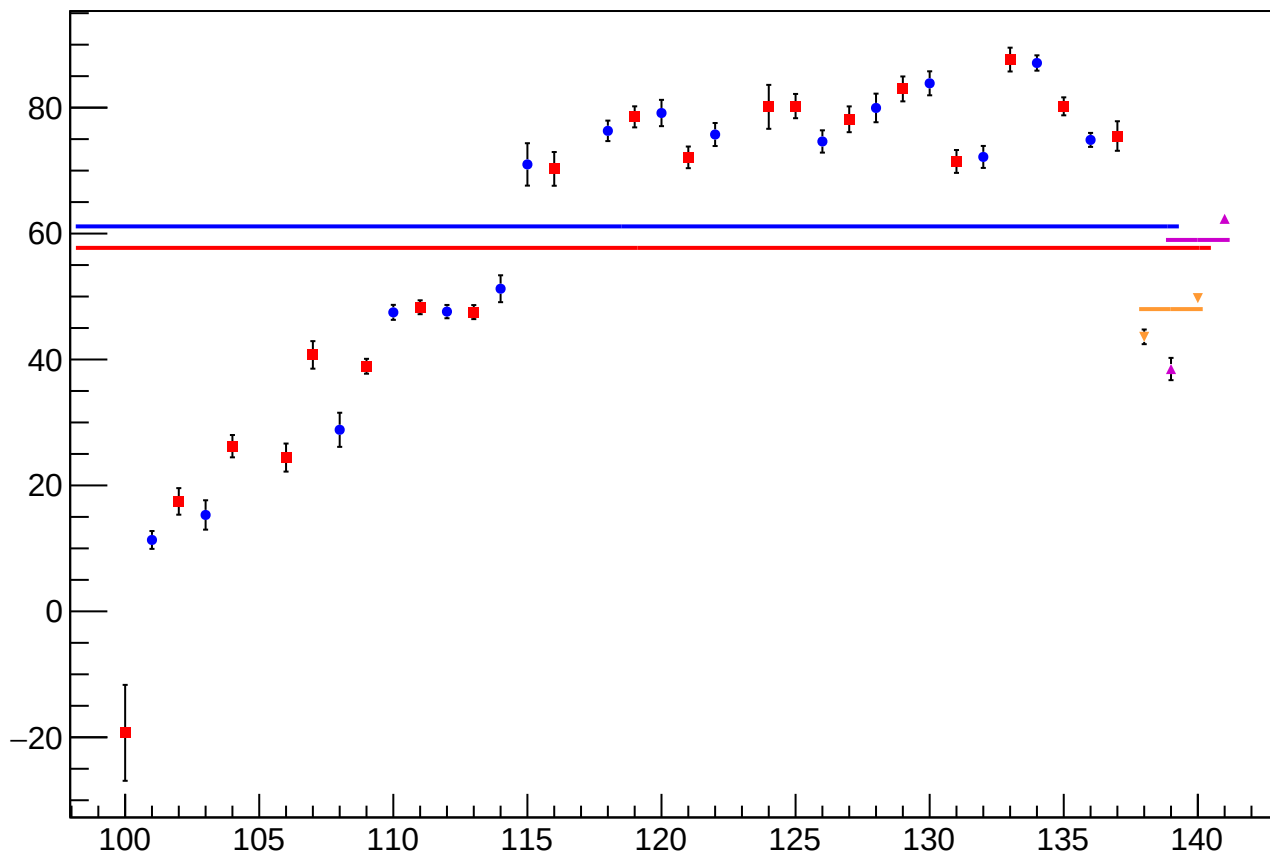
Left In: -80.519 $\pm$ 0.659 χ^2/NDF : 117.1/1

+ sign -75.090 $\pm$ 0.314 χ^2/NDF : 2119.0/17

All: -76.865 $\pm$ 0.221 χ^2/NDF : 3871.3/38

- sign -78.608 $\pm$ 0.312 χ^2/NDF : 1689.1/20

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF : 3229.3/15

Left Out: 48.005+/-0.620 χ^2/NDF : 20.0/1

Right Out: 57.728+/-0.400 χ^2/NDF : 2775.6/18

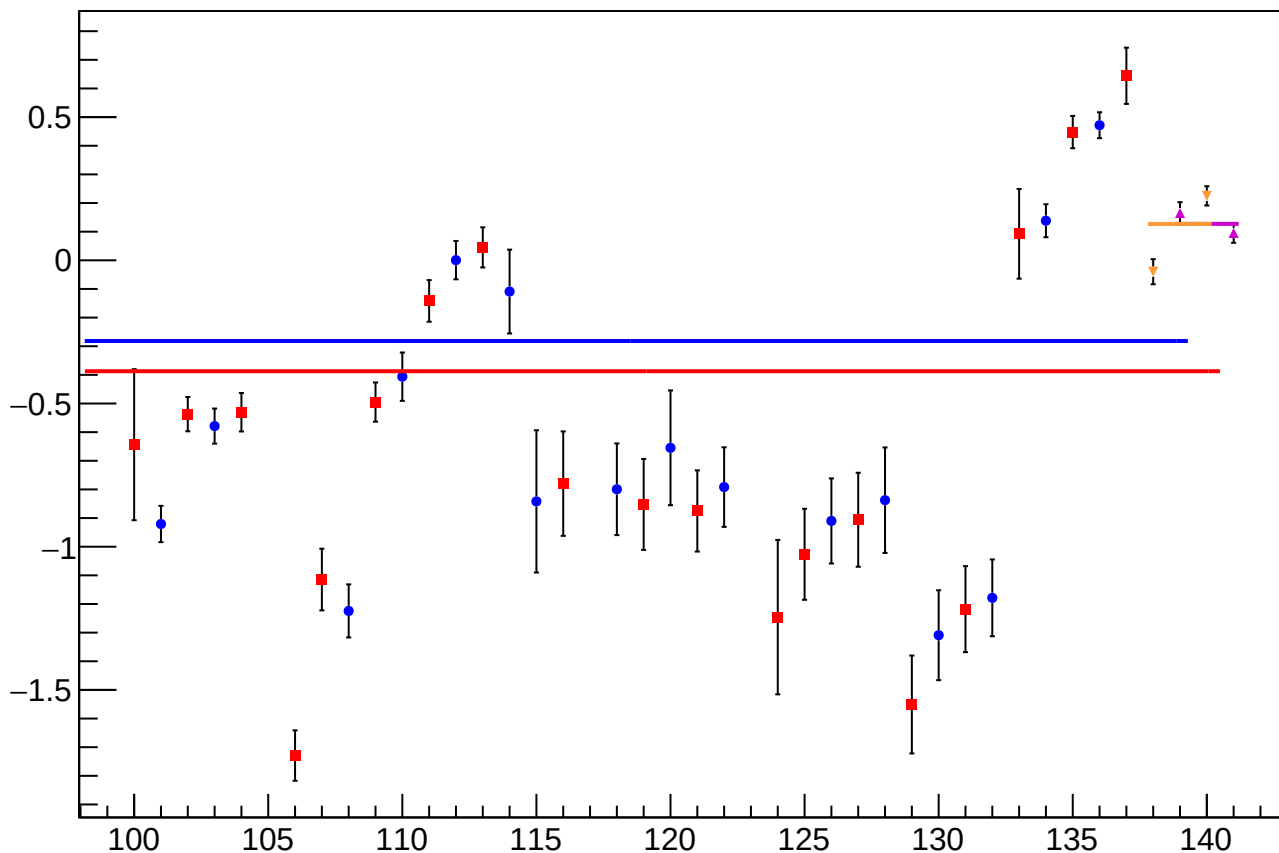
Left In: 58.990+/-0.663 χ^2/NDF : 156.4/1

+ sign 57.267+/-0.336 χ^2/NDF : 3566.2/17

All: 57.659+/-0.240 χ^2/NDF : 6503.6/38

- sign 58.065+/-0.343 χ^2/NDF : 2934.6/20

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282 ± 0.022 χ^2/NDF : 728.2/15

Left Out: 0.127 ± 0.027 χ^2/NDF : 23.0/1

Right Out: -0.387 ± 0.022 χ^2/NDF : 818.7/18

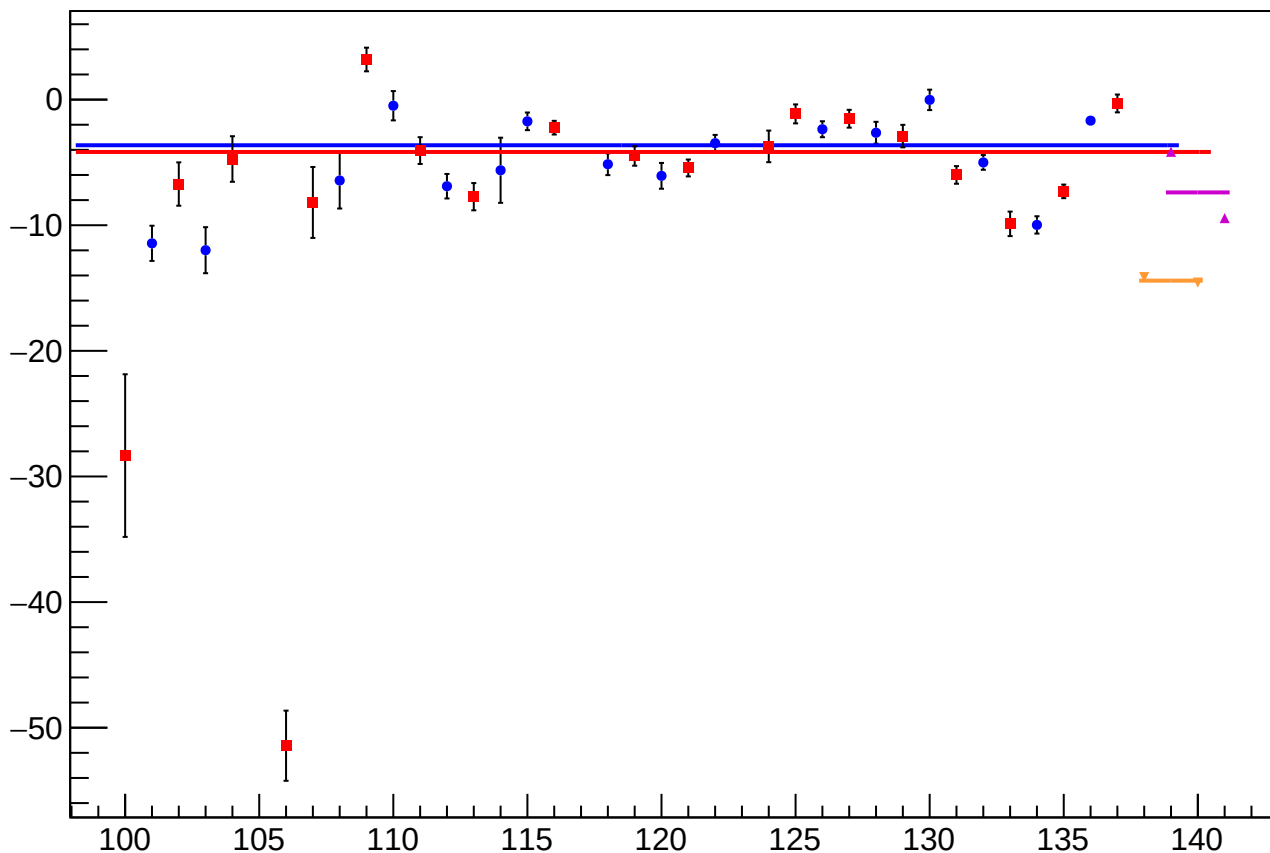
Left In: 0.127 ± 0.026 χ^2/NDF : 1.8/1

+ sign -0.120 ± 0.017 χ^2/NDF : 892.7/17

All: -0.145 ± 0.012 χ^2/NDF : 1951.3/38

- sign -0.169 ± 0.017 χ^2/NDF : 1054.2/20

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

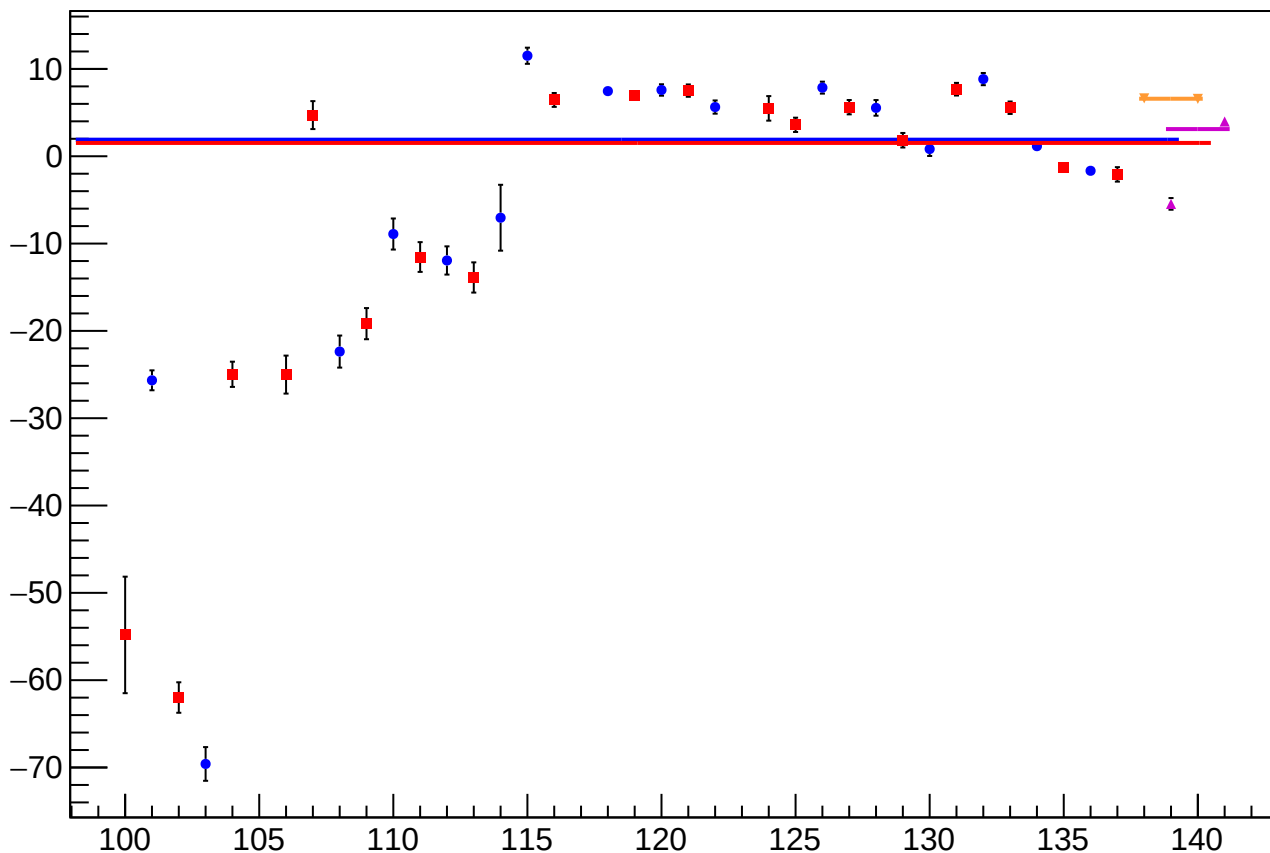
Left In: -7.388 ± 0.229 χ^2/NDF : 125.8/1

+ sign -8.386 ± 0.141 χ^2/NDF : 1668.8/17

All: -7.058 ± 0.103 χ^2/NDF : 2624.6/38

- sign -5.553 ± 0.151 χ^2/NDF : 767.7/20

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898 ± 0.189 χ^2/NDF : 2838.2/15

Left Out: 6.588 ± 0.184 χ^2/NDF : 0.0/1

Right Out: 1.525 ± 0.208 χ^2/NDF : 2559.8/18

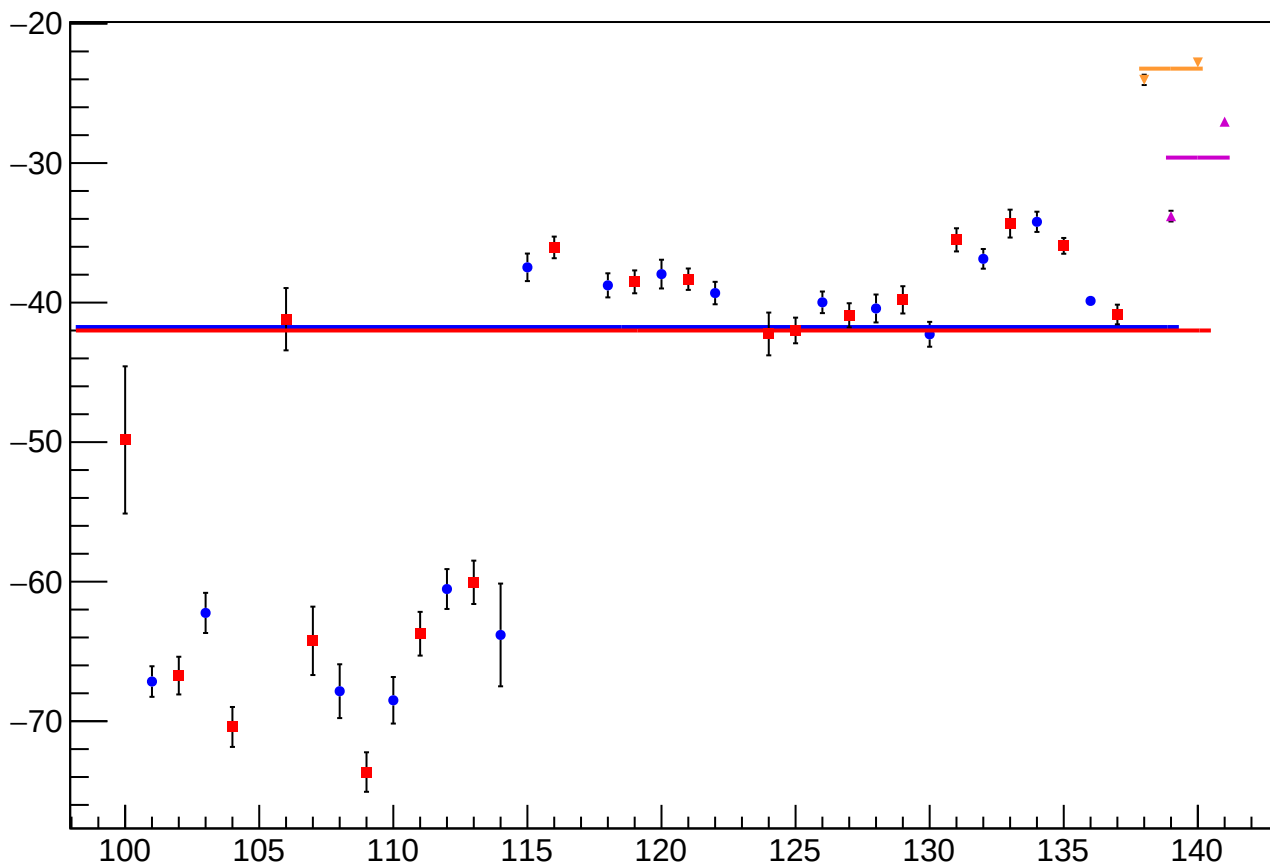
Left In: 3.112 ± 0.203 χ^2/NDF : 180.4/1

+ sign 4.306 ± 0.132 χ^2/NDF : 3154.2/17

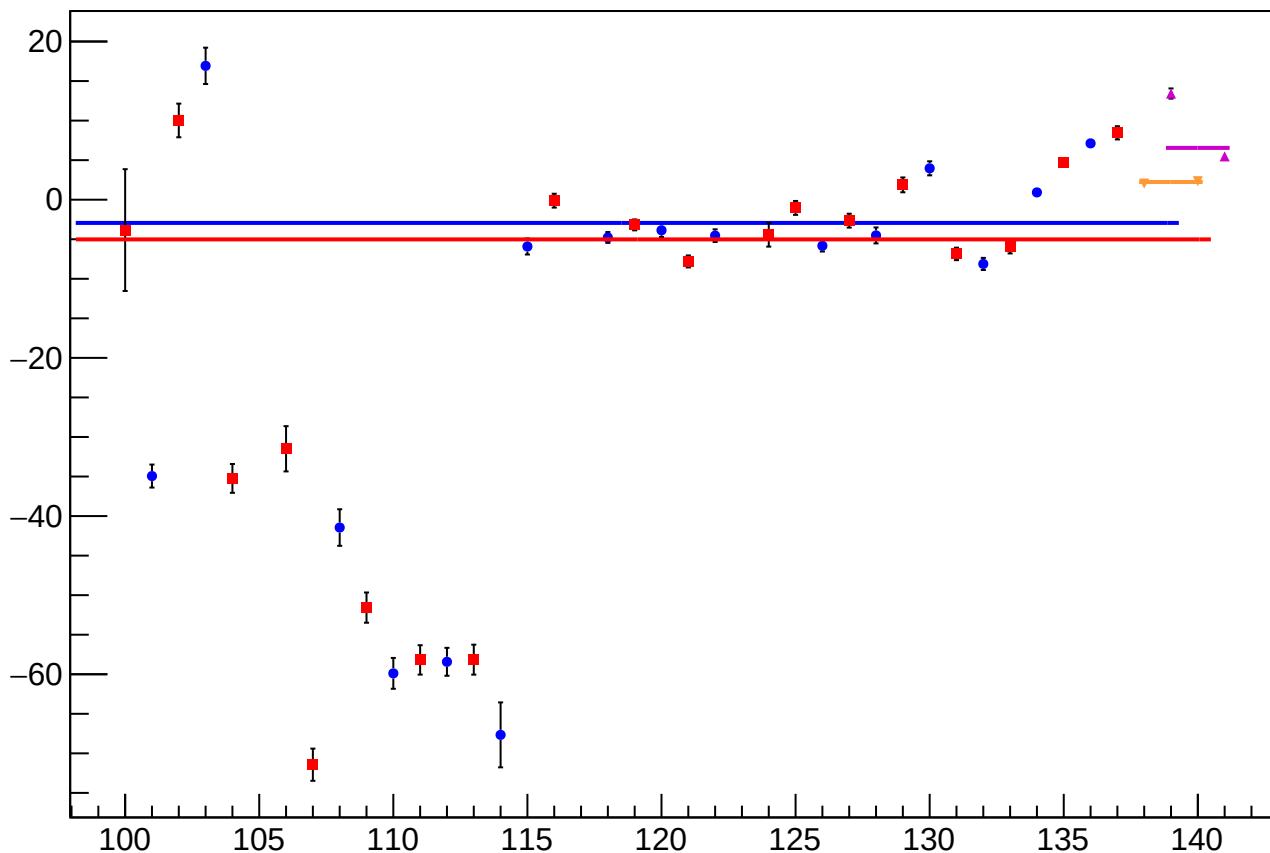
All: 3.418 ± 0.098 χ^2/NDF : 6024.7/38

- sign 2.340 ± 0.145 χ^2/NDF : 2770.0/20

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936 ± 0.210 χ^2/NDF : 3725.6/15

Left Out: 2.239 ± 0.219 χ^2/NDF : 0.4/1

Right Out: -5.018 ± 0.232 χ^2/NDF : 4377.3/18

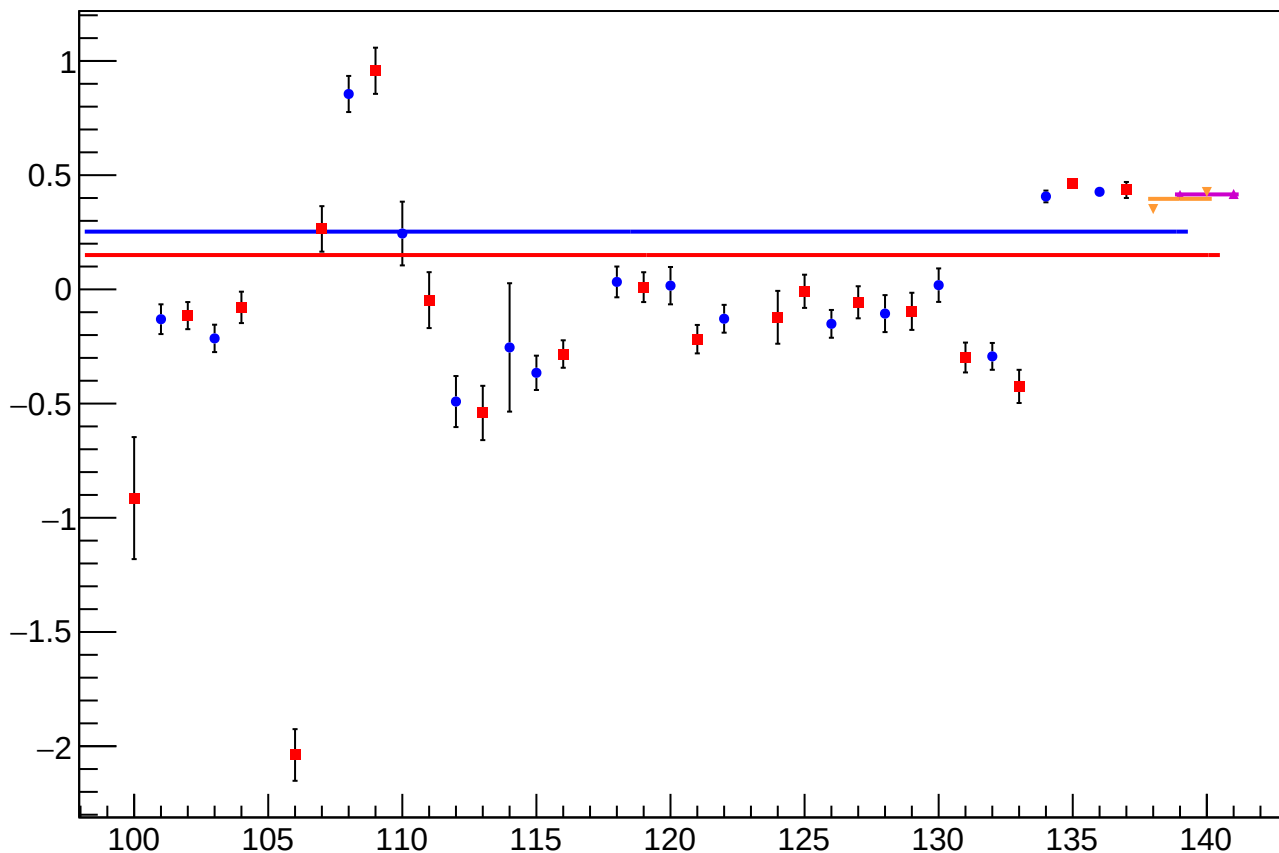
Left In: 6.550 ± 0.236 χ^2/NDF : 132.5/1

+ sign -0.459 ± 0.151 χ^2/NDF : 4017.6/17

All: 0.051 ± 0.112 χ^2/NDF : 9774.6/38

- sign 0.659 ± 0.165 χ^2/NDF : 5732.1/20

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.011 χ^2/NDF : 631.0/15

Left Out: 0.396 ± 0.009 χ^2/NDF : 15.0/1

Right Out: 0.150 ± 0.013 χ^2/NDF : 1018.0/18

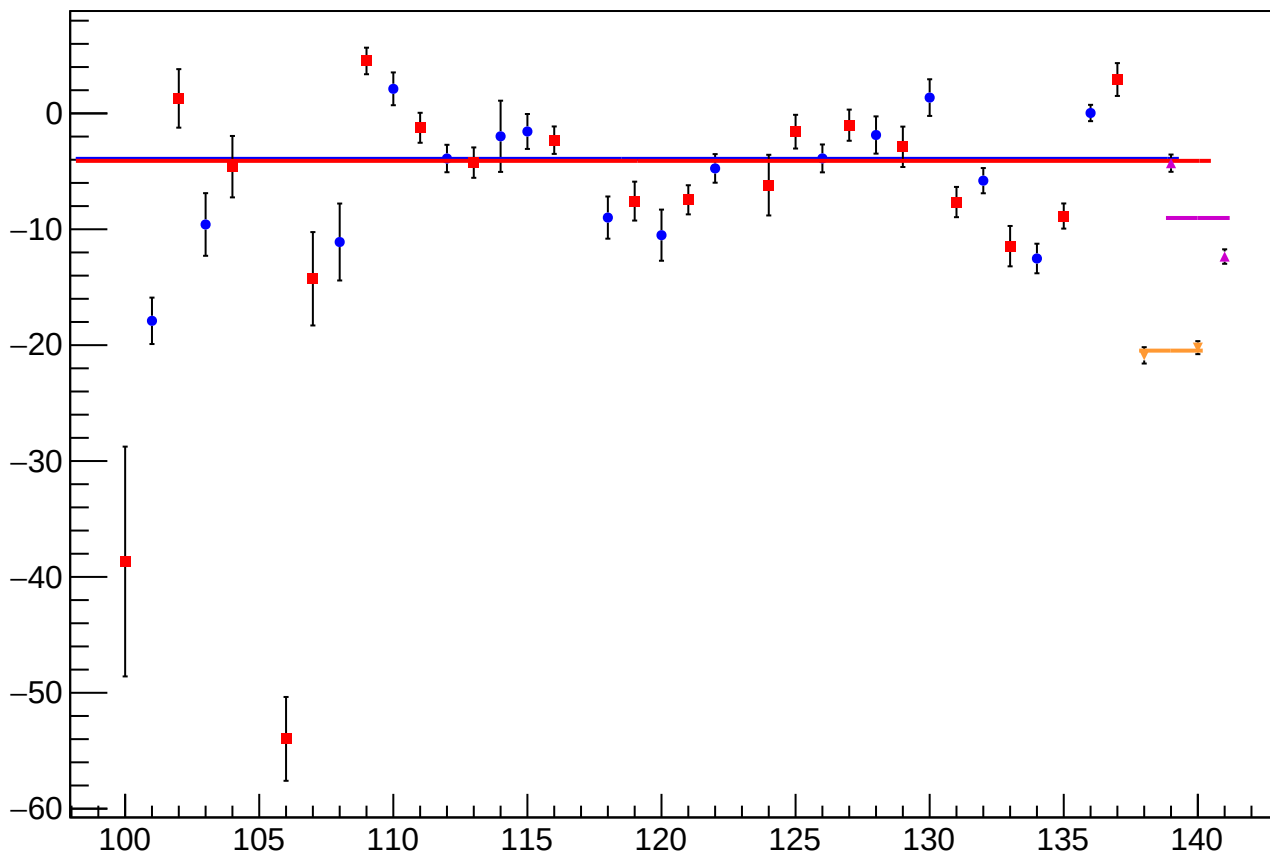
Left In: 0.416 ± 0.009 χ^2/NDF : 0.1/1

+ sign 0.338 ± 0.007 χ^2/NDF : 739.2/17

All: 0.335 ± 0.005 χ^2/NDF : 2026.2/38

- sign 0.331 ± 0.008 χ^2/NDF : 1286.4/20

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

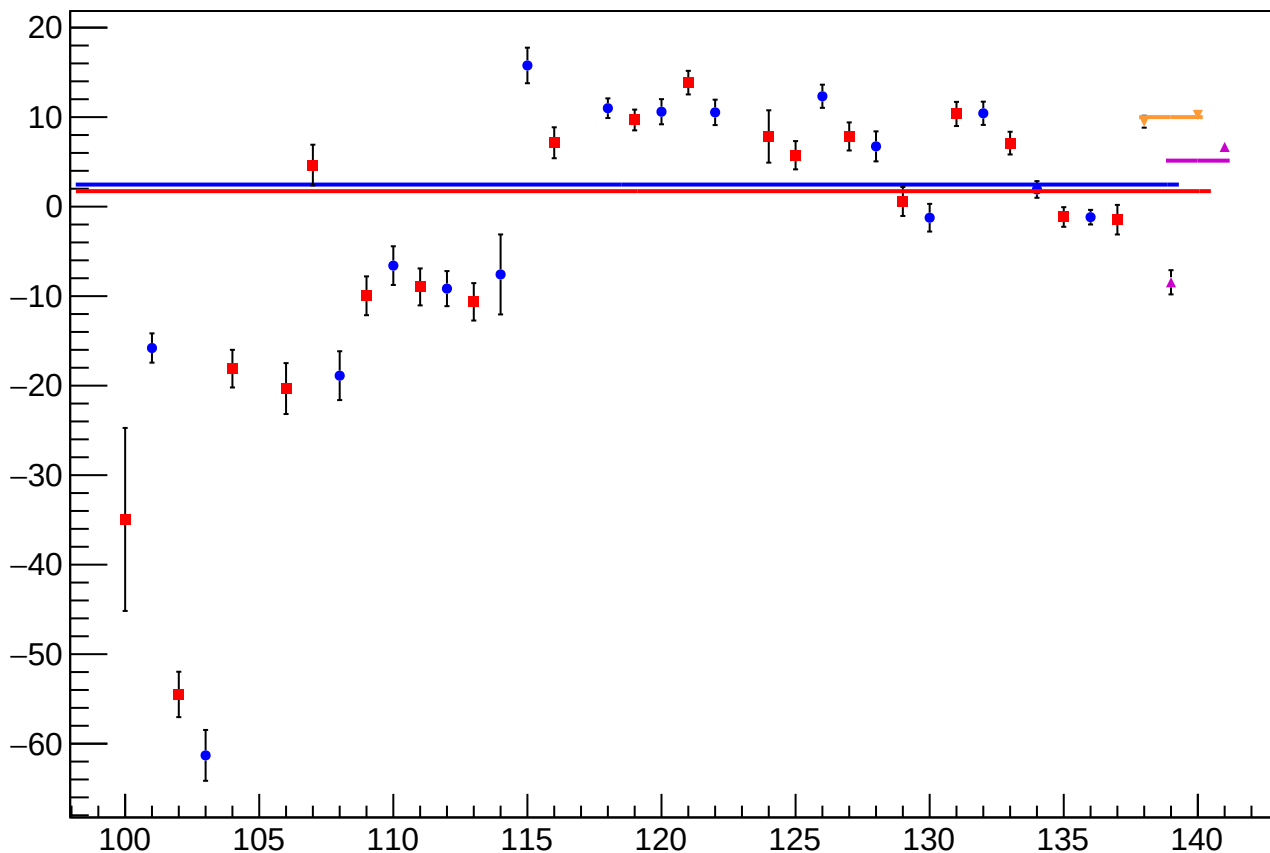
Left In: -9.025 ± 0.479 χ^2/NDF : 68.7/1

+ sign -10.262 ± 0.272 χ^2/NDF : 1065.3/17

All: -8.172 ± 0.197 χ^2/NDF : 1693.7/38

- sign -5.857 ± 0.286 χ^2/NDF : 503.8/20

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF : 1046.7/15

Left Out: 10.003+/-0.380 χ^2/NDF : 0.9/1

Right Out: 1.728+/-0.386 χ^2/NDF : 983.1/18

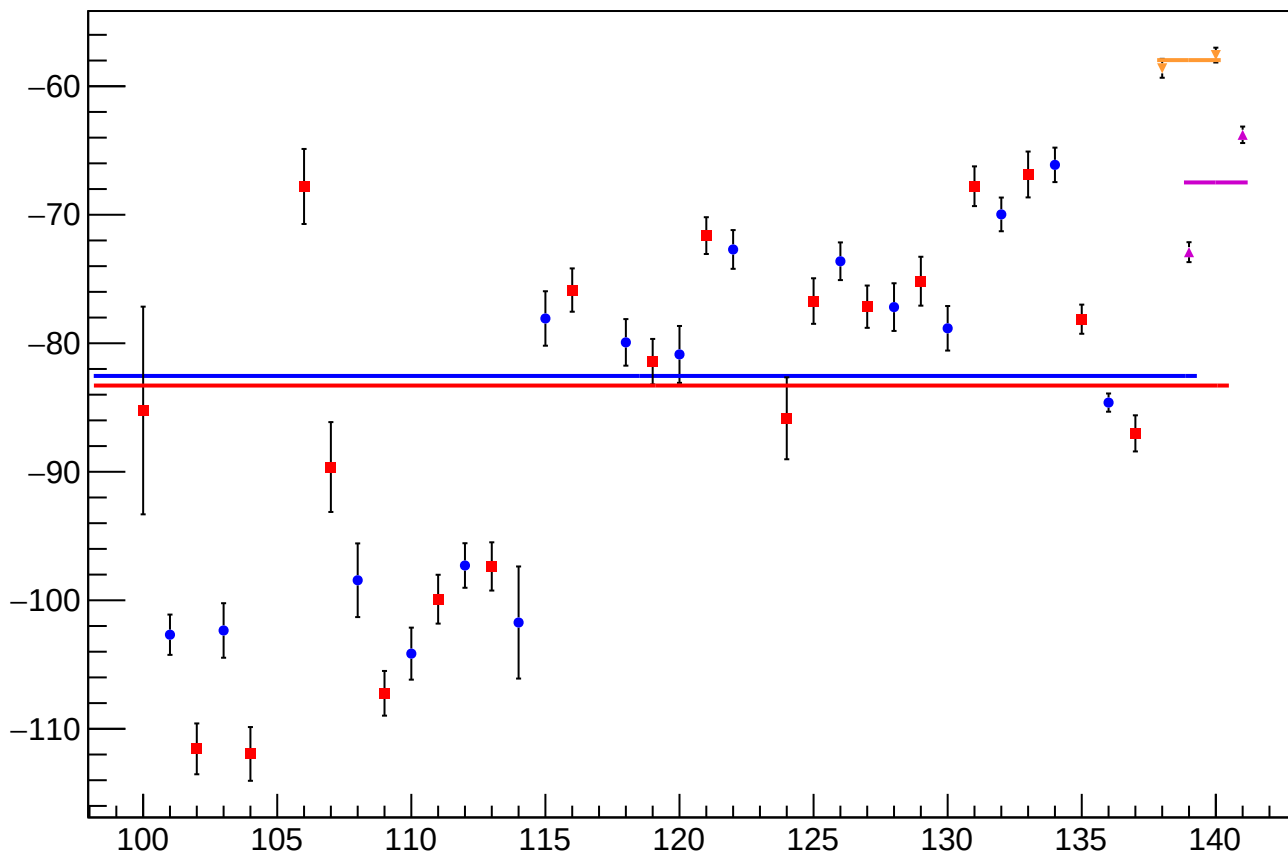
Left In: 5.141+/-0.430 χ^2/NDF : 112.2/1

+ sign 6.000+/-0.260 χ^2/NDF : 1257.0/17

All: 4.763+/-0.193 χ^2/NDF : 2437.5/38

- sign 3.252+/-0.287 χ^2/NDF : 1130.2/20

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

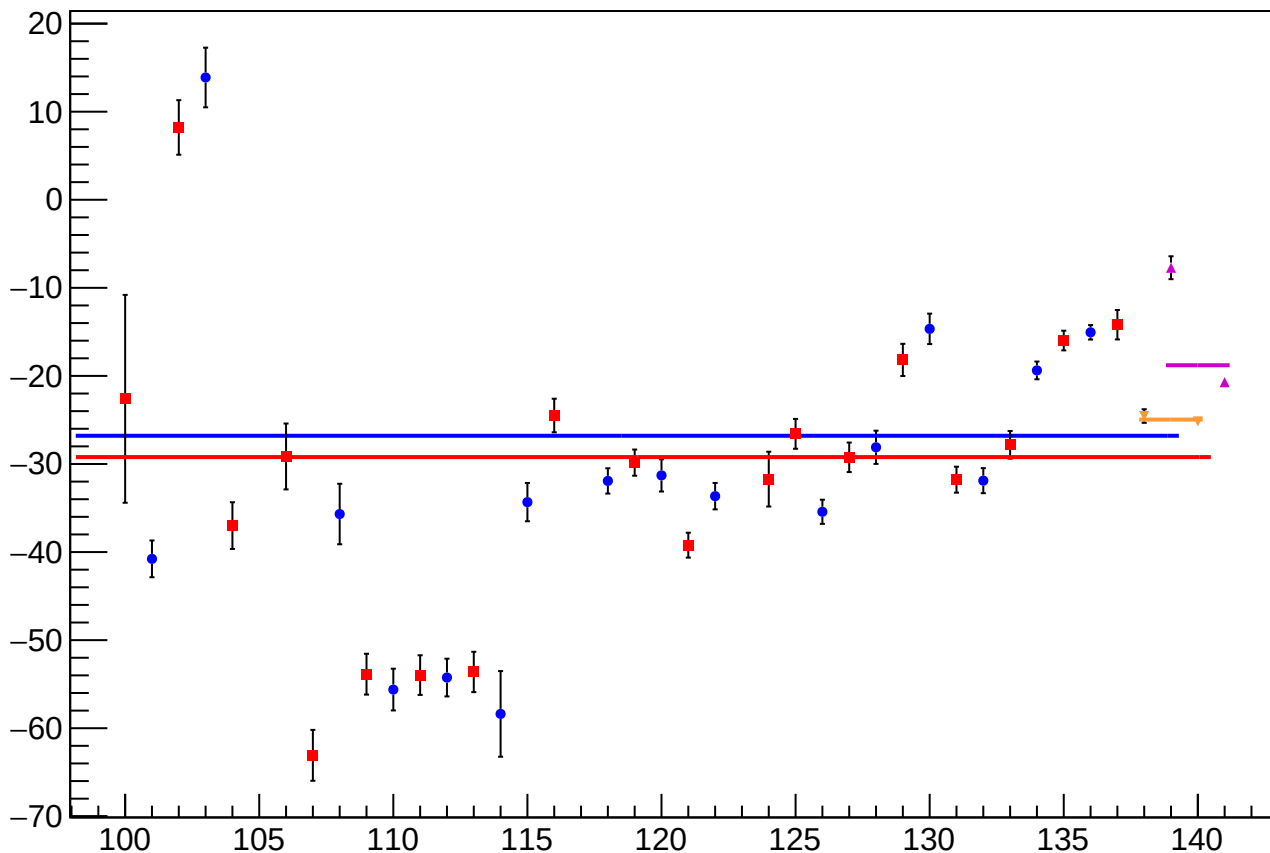
Left In: -67.486 ± 0.494 χ^2/NDF : 82.4/1

+ sign -72.284 ± 0.293 χ^2/NDF : 2546.8/17

All: -74.348 ± 0.215 χ^2/NDF : 4430.2/38

- sign -76.764 ± 0.317 χ^2/NDF : 1776.0/20

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796 ± 0.396 χ^2/NDF : 963.5/15

Left Out: -24.959 ± 0.451 χ^2/NDF : 0.4/1

Right Out: -29.216 ± 0.431 χ^2/NDF : 960.7/18

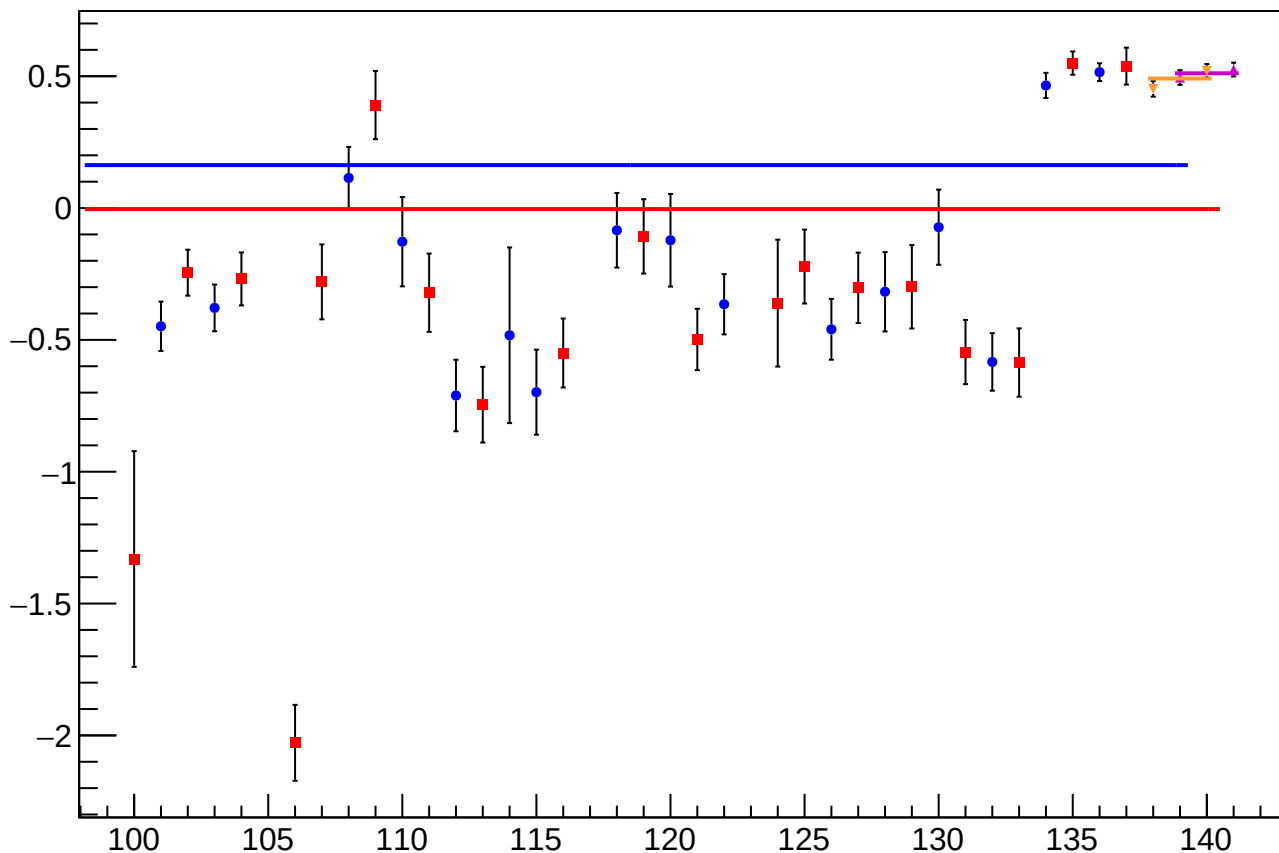
Left In: -18.789 ± 0.499 χ^2/NDF : 85.3/1

+ sign -25.998 ± 0.298 χ^2/NDF : 973.2/17

All: -25.438 ± 0.220 χ^2/NDF : 2276.8/38

- sign -24.764 ± 0.326 χ^2/NDF : 1295.8/20

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

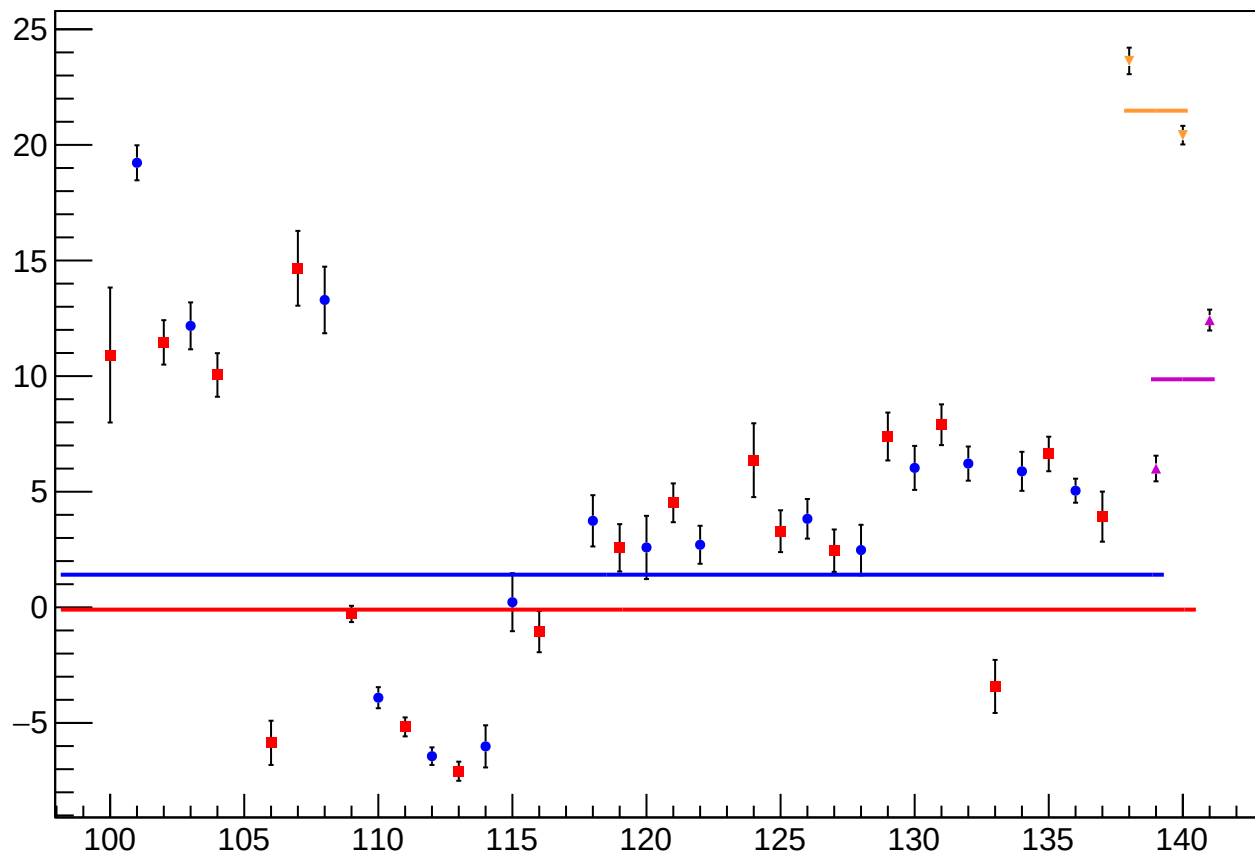
Left In: 0.511 ± 0.019 χ^2/NDF : 0.6/1

+ sign 0.343 ± 0.014 χ^2/NDF : 554.5/17

All: 0.330 ± 0.010 χ^2/NDF : 1406.3/38

- sign 0.316 ± 0.015 χ^2/NDF : 850.1/20

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412 ± 0.183 χ^2/NDF : 1522.1/15

Left Out: 21.480 ± 0.330 χ^2/NDF : 21.0/1

Right Out: -0.098 ± 0.167 χ^2/NDF : 1147.2/18

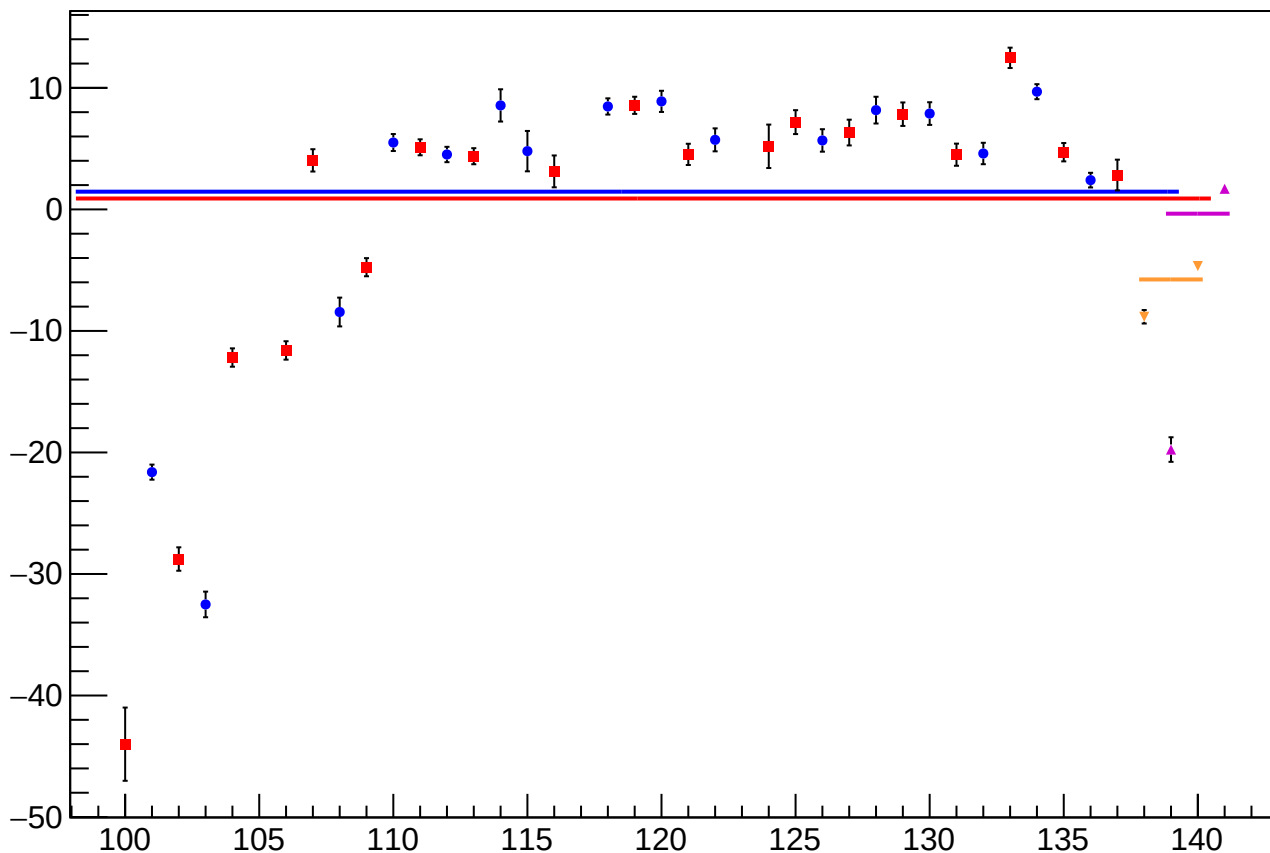
Left In: 9.863 ± 0.350 χ^2/NDF : 80.5/1

+ sign 6.146 ± 0.160 χ^2/NDF : 4376.7/17

All: 3.823 ± 0.110 χ^2/NDF : 6661.1/38

- sign 1.754 ± 0.151 χ^2/NDF : 1886.2/20

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF : 3080.3/15

Left Out: -5.764+/-0.285 χ^2/NDF : 41.7/1

Right Out: 0.896+/-0.202 χ^2/NDF : 2377.1/18

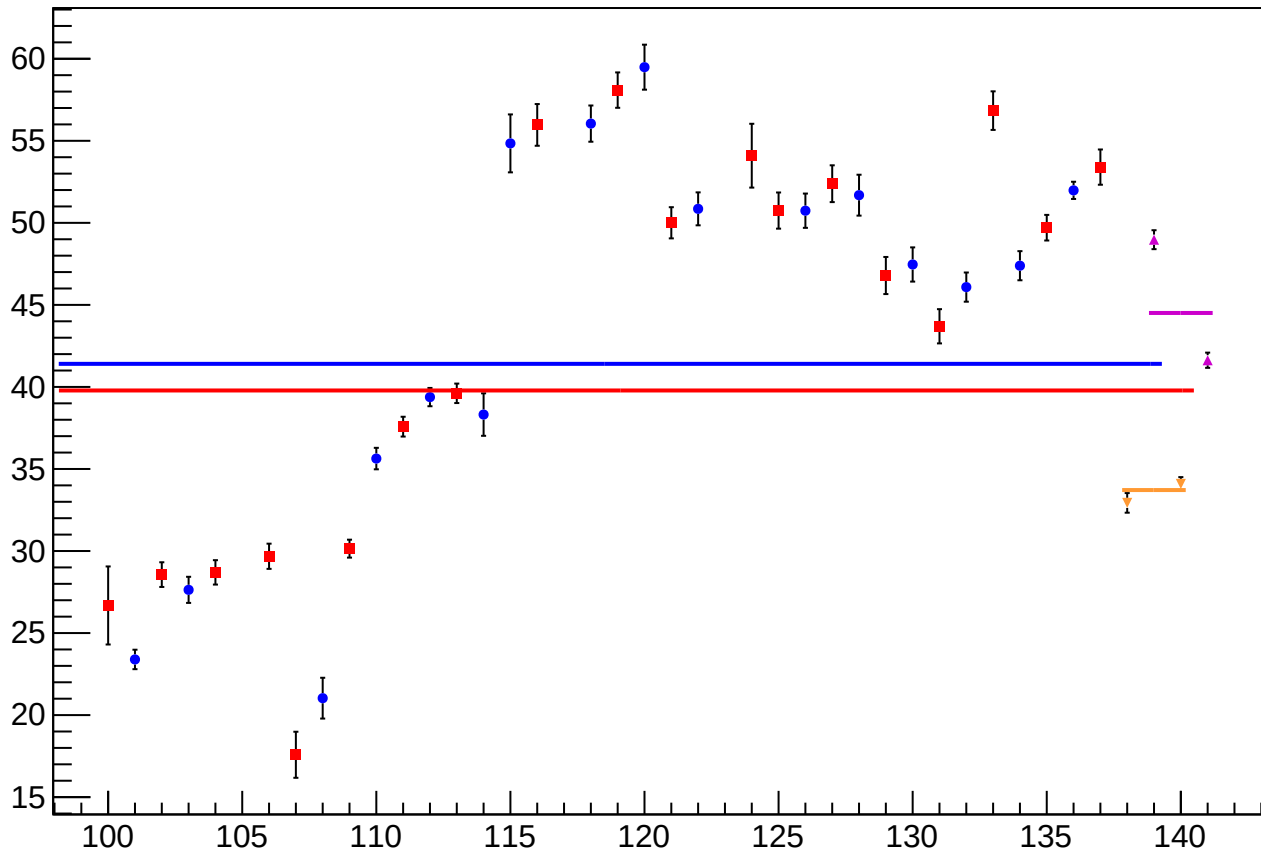
Left In: -0.352+/-0.313 χ^2/NDF : 407.4/1

+ sign -0.979+/-0.166 χ^2/NDF : 3547.4/17

All: -0.244+/-0.119 χ^2/NDF : 6383.6/38

- sign 0.528+/-0.170 χ^2/NDF : 2795.8/20

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407 $\pm$ 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

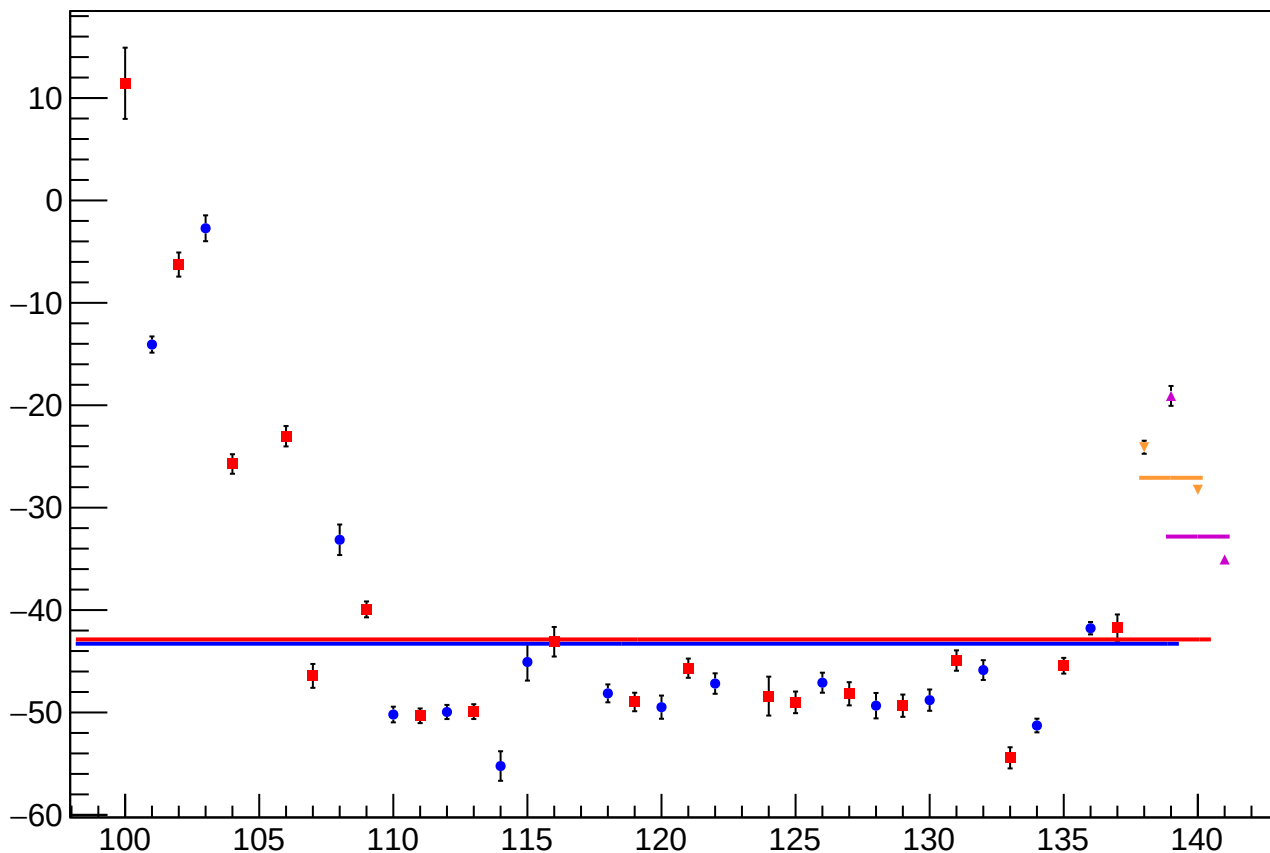
Left In: 44.508 $\pm$ 0.361 χ^2/NDF : 98.5/1

+ sign 39.278 $\pm$ 0.179 χ^2/NDF : 3117.6/17

All: 40.107 $\pm$ 0.126 χ^2/NDF : 6042.3/38

- sign 40.916 $\pm$ 0.177 χ^2/NDF : 2882.3/20

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285 ± 0.229 $\chi^2/\text{NDF}: 2985.2/15$

Left Out: -27.082 ± 0.339 $\chi^2/\text{NDF}: 30.4/1$

Right Out: -42.867 ± 0.229 $\chi^2/\text{NDF}: 2454.2/18$

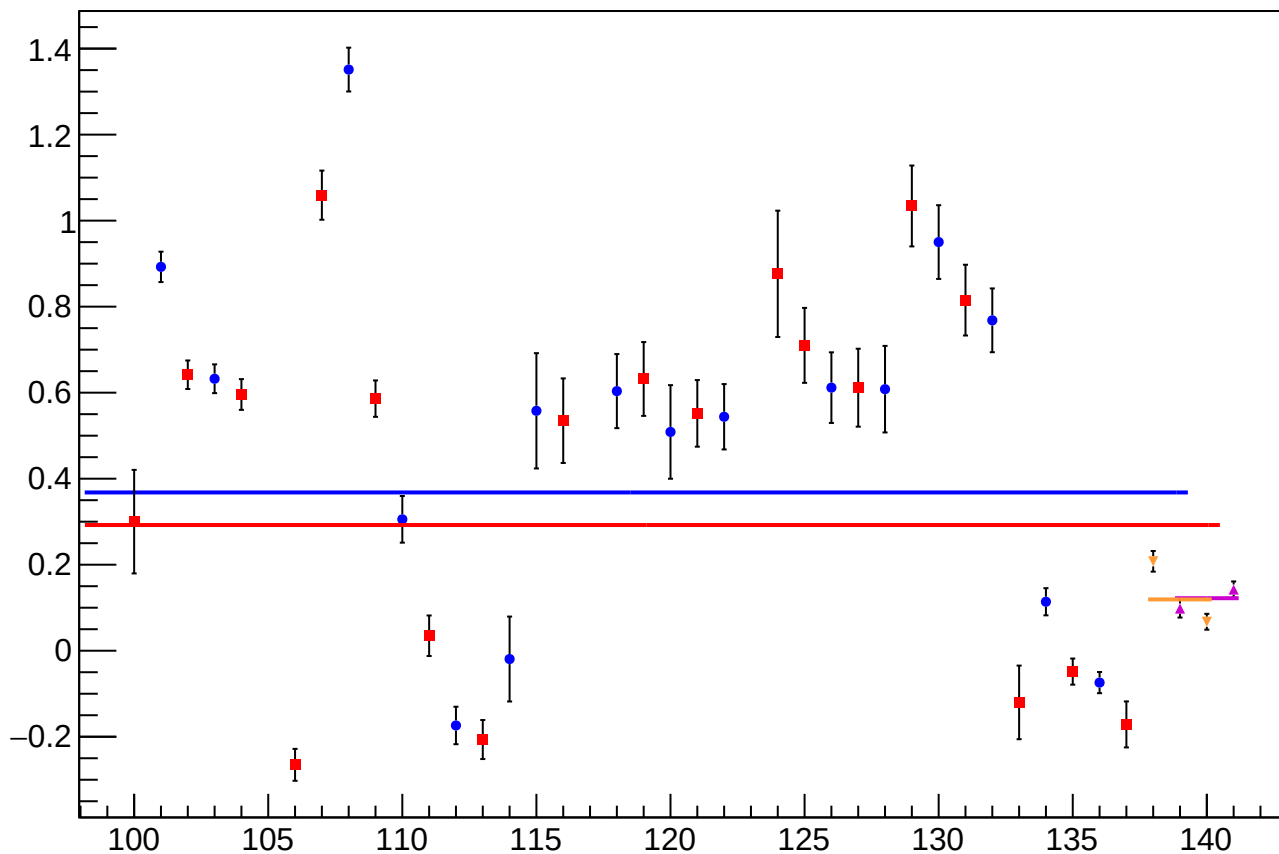
Left In: -32.822 ± 0.363 $\chi^2/\text{NDF}: 233.0/1$

+ sign -38.195 ± 0.190 $\chi^2/\text{NDF}: 4583.8/17$

All: -39.084 ± 0.136 $\chi^2/\text{NDF}: 7863.0/38$

- sign -40.009 ± 0.194 $\chi^2/\text{NDF}: 3234.5/20$

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 $\chi^2/\text{NDF}: 1199.2/18$

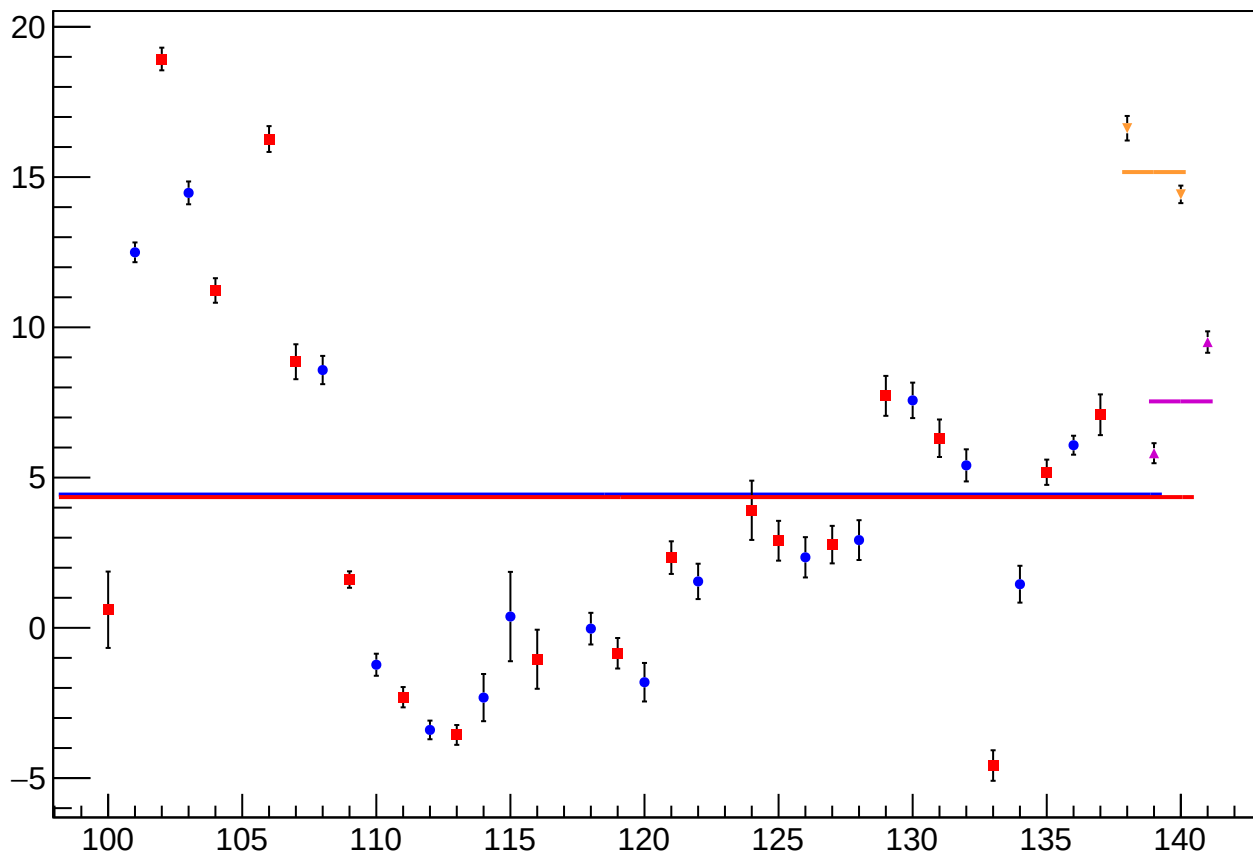
Left In: 0.122 ± 0.014 $\chi^2/\text{NDF}: 2.5/1$

+ sign 0.266 ± 0.009 $\chi^2/\text{NDF}: 1513.3/17$

All: 0.242 ± 0.007 $\chi^2/\text{NDF}: 2811.9/38$

- sign 0.220 ± 0.009 $\chi^2/\text{NDF}: 1286.2/20$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435 $\pm$ 0.117 χ^2 /NDF: 2622.0/15

Left Out: 15.167 $\pm$ 0.237 χ^2 /NDF:19.2/1

Right Out: 4.351 $\pm$ 0.109 χ^2 /NDF: 4205.3/18

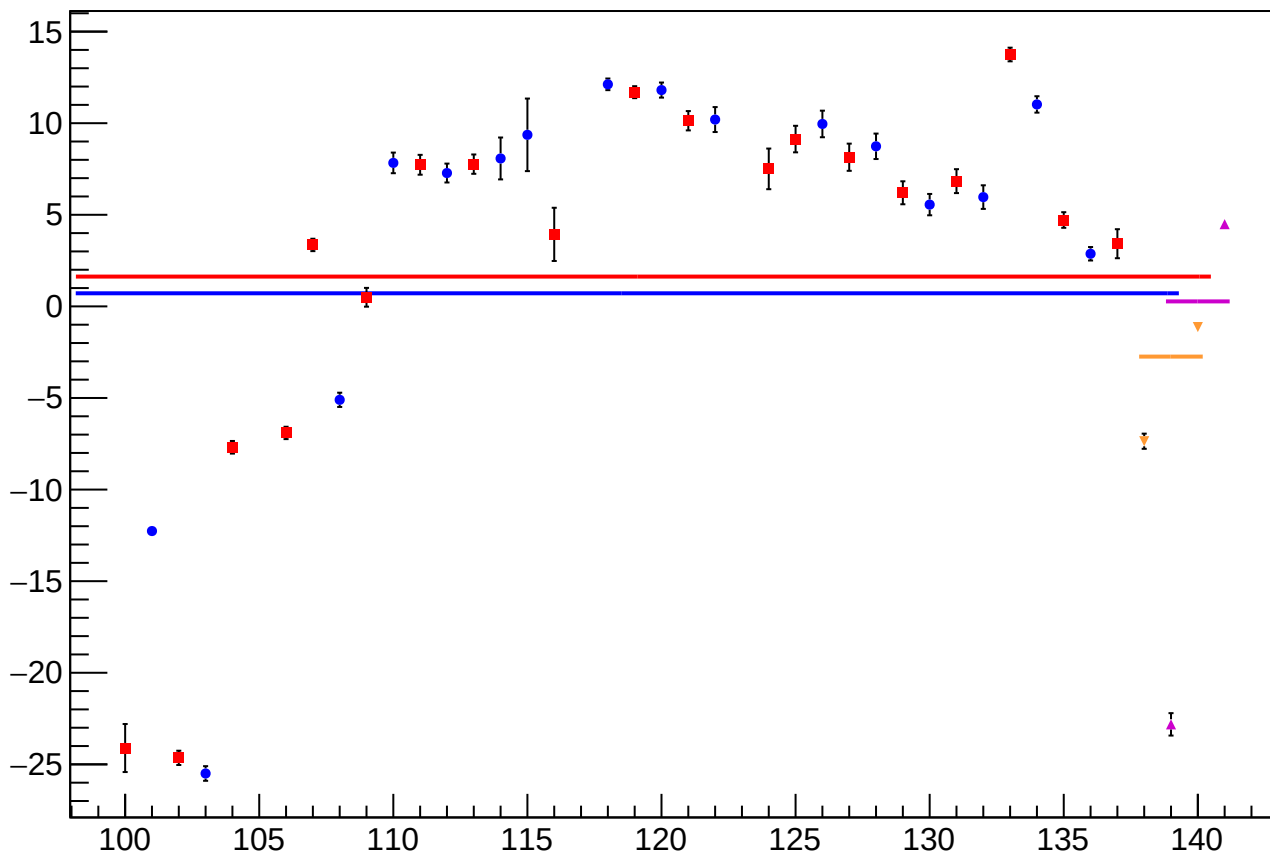
Left In: 7.536 $\pm$ 0.244 χ^2 /NDF:57.4/1

+ sign 6.532 $\pm$ 0.105 χ^2 /NDF: 4286.5/17

All: 5.664 $\pm$ 0.072 χ^2 /NDF: 8821.5/38

- sign 4.883 $\pm$ 0.100 χ^2 /NDF: 4405.0/20

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715 ± 0.116 χ^2/NDF : 10454.0/15

Left Out: -2.741 ± 0.211 χ^2/NDF : 168.0/1

Right Out: 1.627 ± 0.111 χ^2/NDF : 9255.5/18

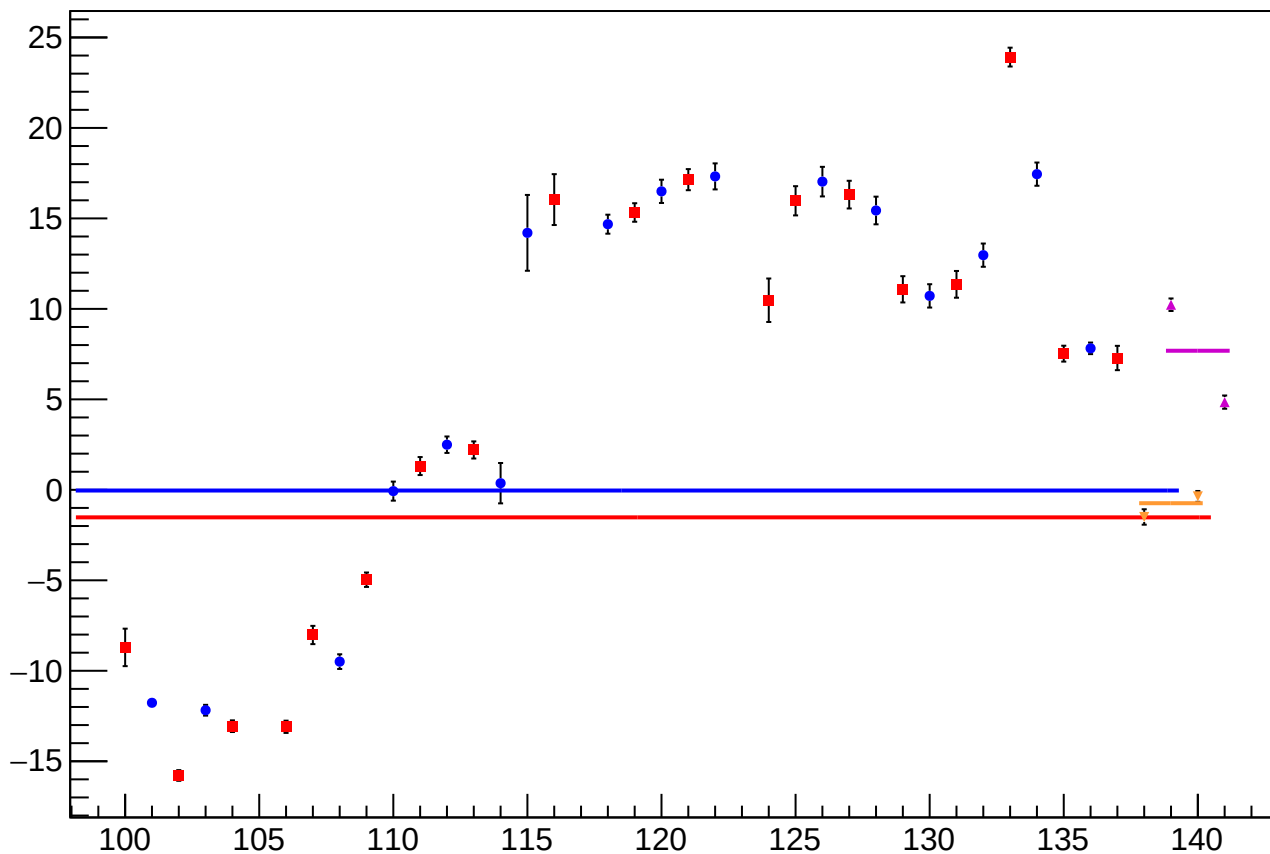
Left In: 0.272 ± 0.240 χ^2/NDF : 1684.1/1

+ sign -0.089 ± 0.102 χ^2/NDF : 10828.7/17

All: 0.655 ± 0.072 χ^2/NDF : 21901.1/38

- sign 1.389 ± 0.101 χ^2/NDF : 10965.8/20

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038 ± 0.119 χ^2/NDF : 9274.3/15

Left Out: -0.739 ± 0.245 χ^2/NDF : 4.8/1

Right Out: -1.521 ± 0.115 χ^2/NDF : 12130.2/18

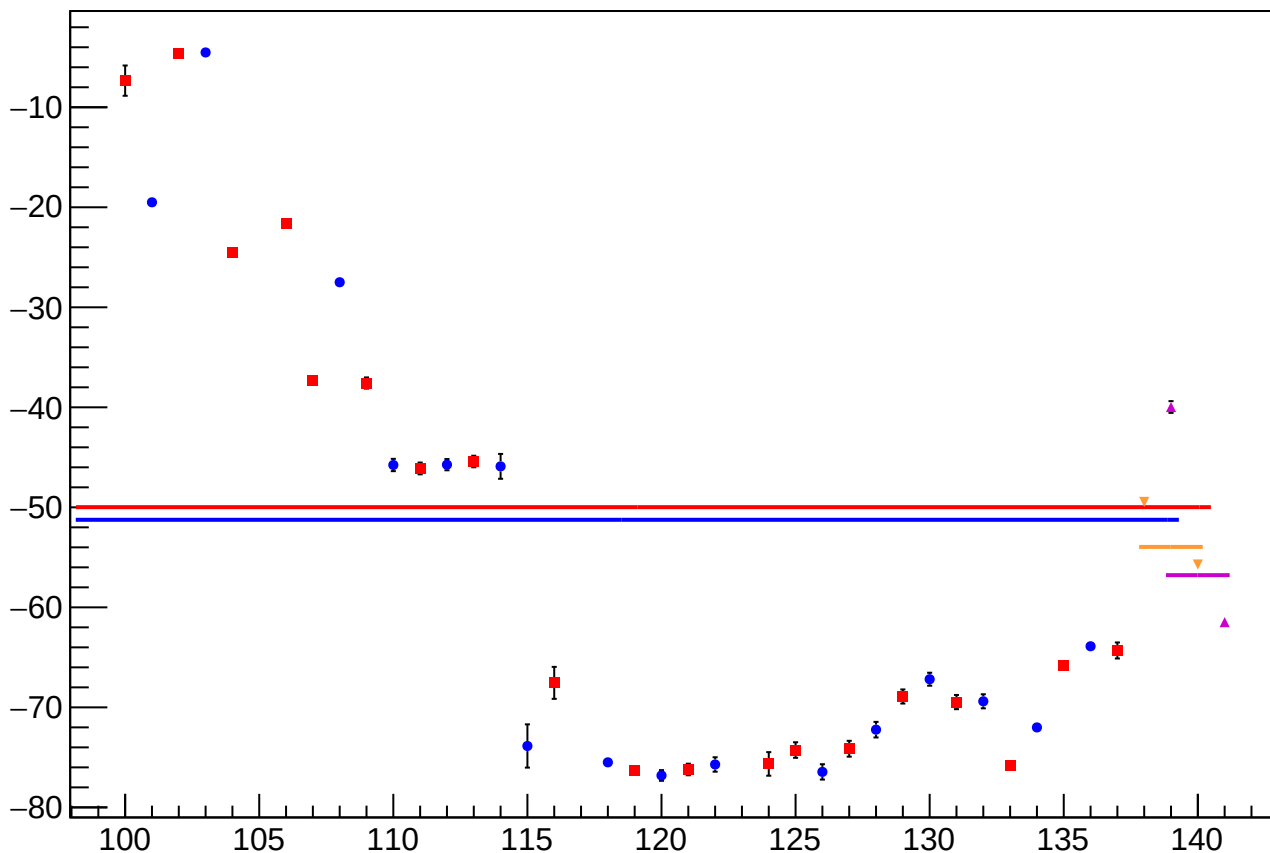
Left In: 7.687 ± 0.252 χ^2/NDF : 114.0/1

+ sign -0.172 ± 0.107 χ^2/NDF : 9285.7/17

All: -0.047 ± 0.075 χ^2/NDF : 22639.9/38

- sign 0.072 ± 0.105 χ^2/NDF : 13351.5/20

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

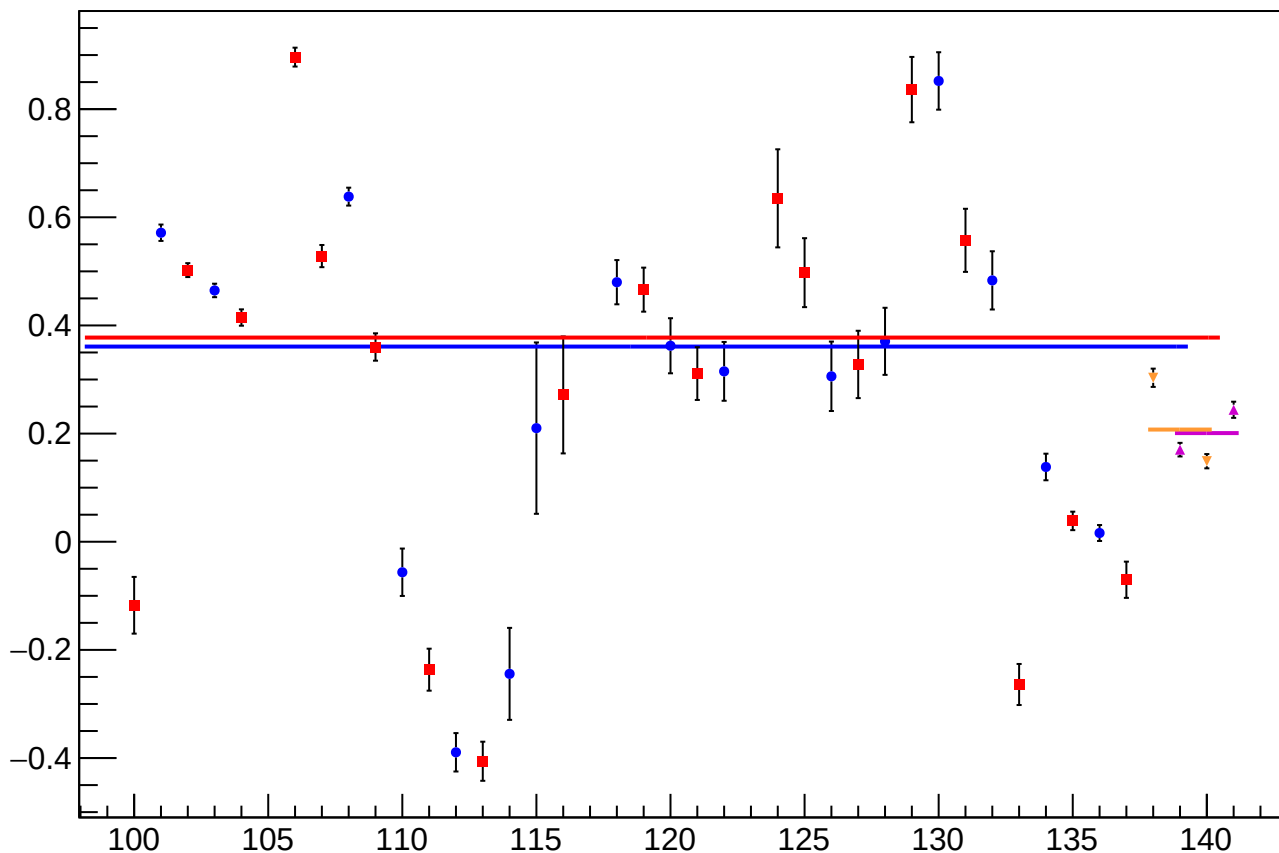
Left In: -56.782 ± 0.275 χ^2/NDF : 1047.1/1

+ sign -51.867 ± 0.119 χ^2/NDF : 33984.1/17

All: -51.549 ± 0.084 χ^2/NDF : 69437.5/38

- sign -51.238 ± 0.118 χ^2/NDF : 35439.3/20

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 $\chi^2/\text{NDF}: 2790.5/18$

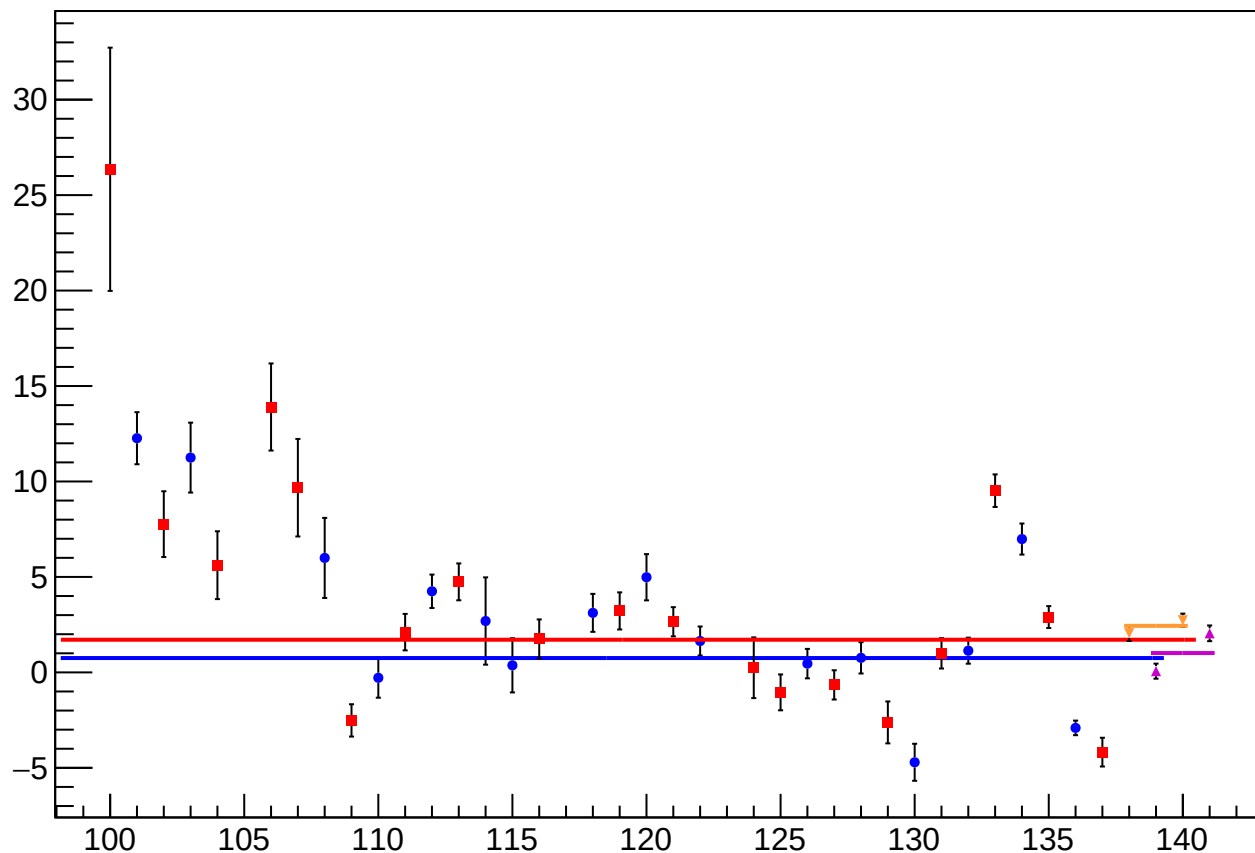
Left In: 0.201 ± 0.010 $\chi^2/\text{NDF}: 14.3/1$

+ sign 0.319 ± 0.005 $\chi^2/\text{NDF}: 2070.0/17$

All: 0.323 ± 0.004 $\chi^2/\text{NDF}: 5115.8/38$

- sign 0.327 ± 0.005 $\chi^2/\text{NDF}: 3044.8/20$

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752 $\pm$ 0.212 χ^2 /NDF: 330.1/15

Left Out: 2.439 $\pm$ 0.265 χ^2 /NDF: 1.6/1

Right Out: 1.710 $\pm$ 0.223 χ^2 /NDF: 293.8/18

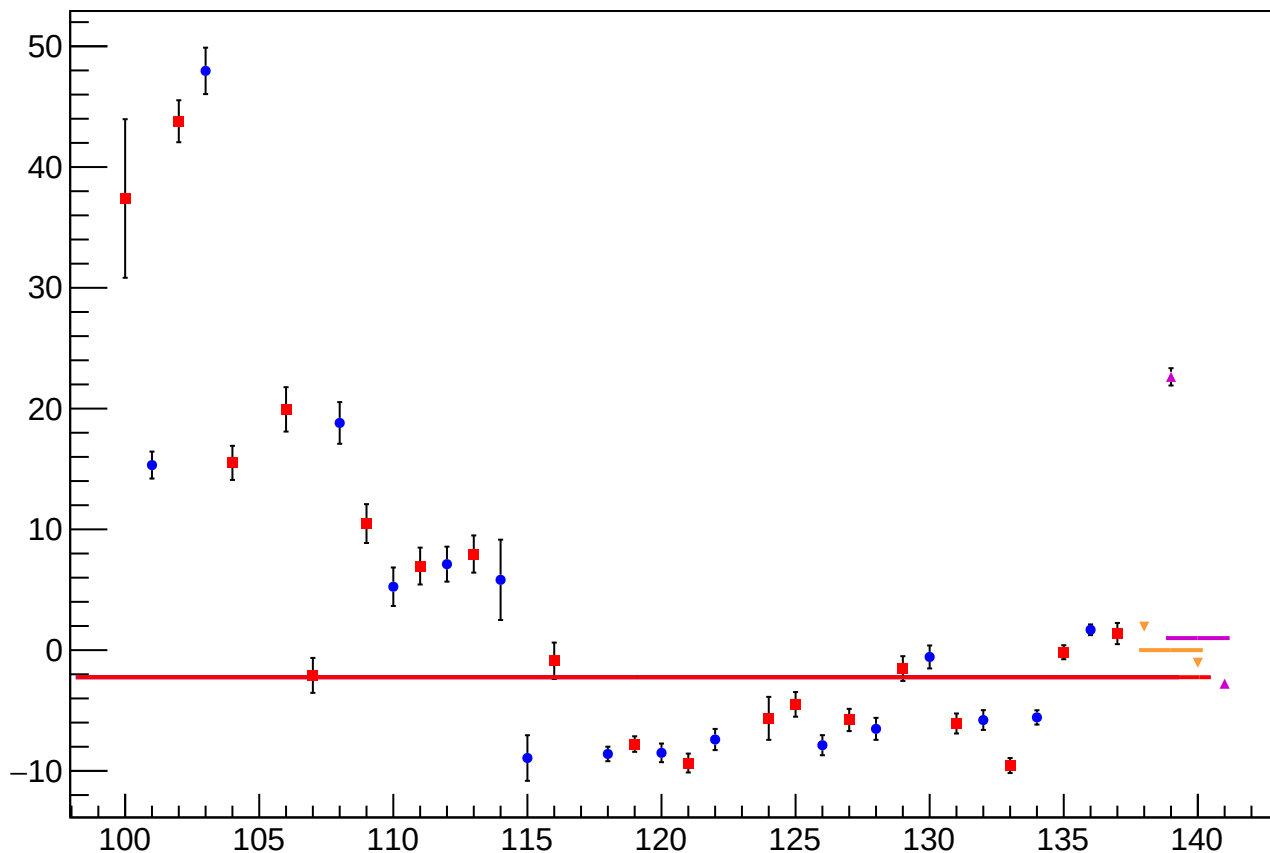
Left In: 1.014 $\pm$ 0.285 χ^2 /NDF: 12.1/1

+ sign 1.412 $\pm$ 0.166 χ^2 /NDF: 356.4/17

All: 1.428 $\pm$ 0.120 χ^2 /NDF: 666.1/38

- sign 1.446 $\pm$ 0.175 χ^2 /NDF: 309.7/20

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

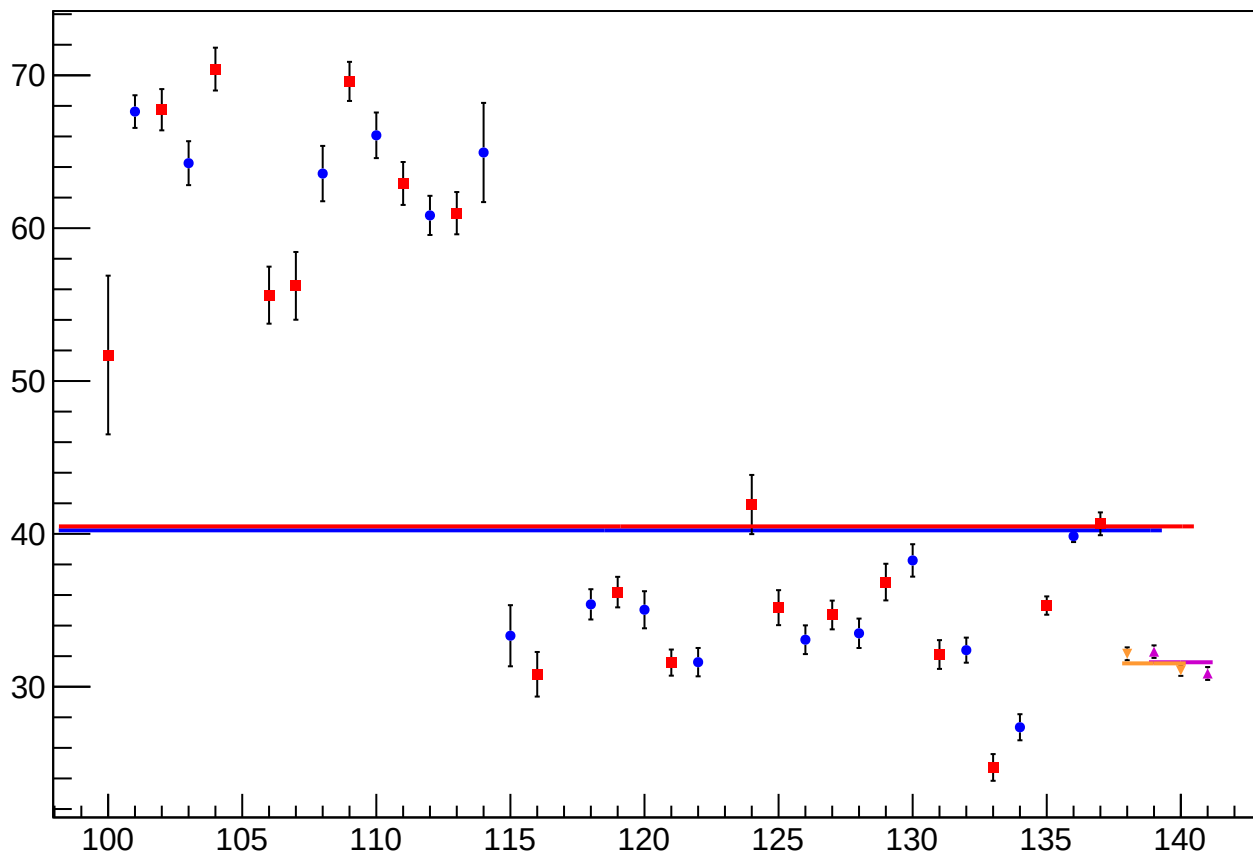
Left In: 0.997 ± 0.277 χ^2/NDF : 1066.1/1

+ sign -1.217 ± 0.159 χ^2/NDF : 1659.4/17

All: -1.087 ± 0.118 χ^2/NDF : 4363.9/38

- sign -0.926 ± 0.176 χ^2/NDF : 2703.1/20

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232 $\pm$ 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

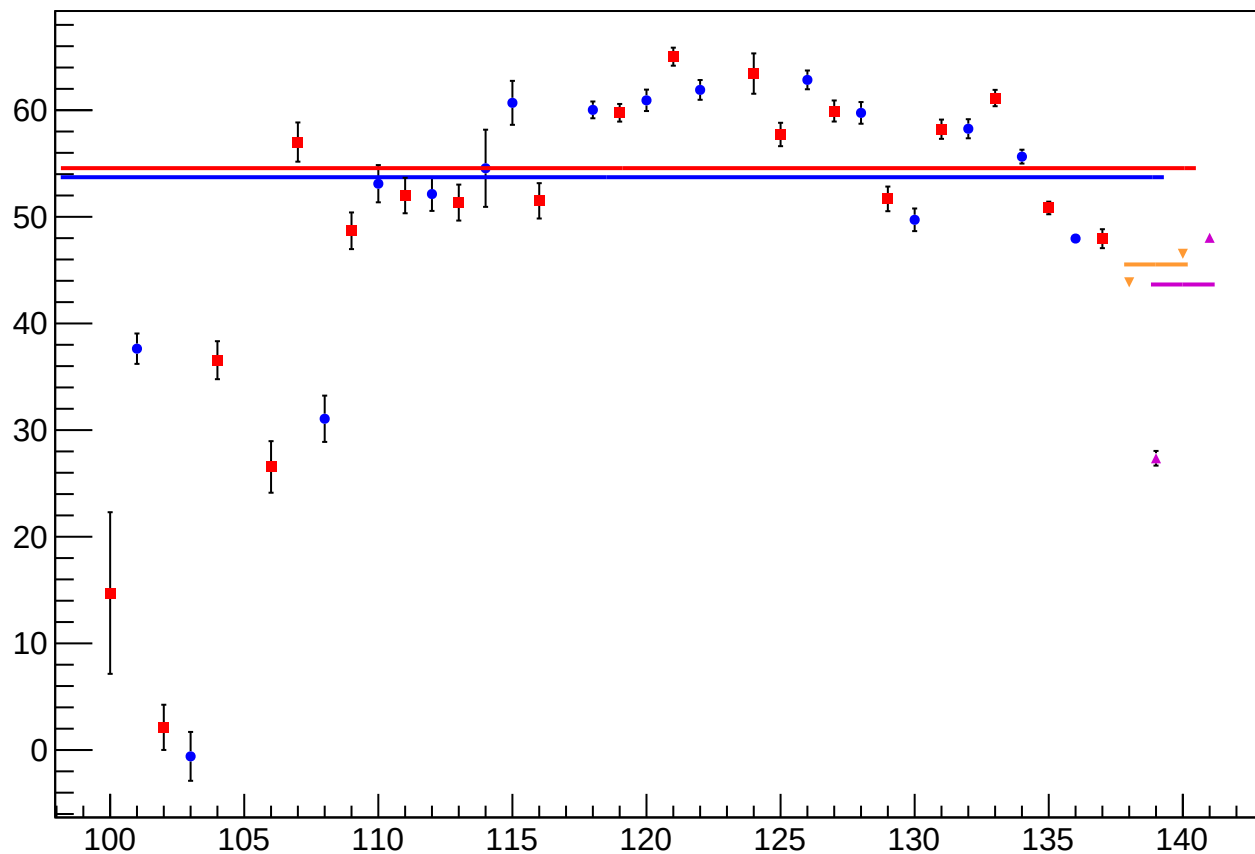
Left In: 31.601 $\pm$ 0.294 χ^2 /NDF: 5.9/1

+ sign 36.606 $\pm$ 0.177 χ^2 /NDF: 2884.2/17

All: 36.675 $\pm$ 0.130 χ^2 /NDF: 6117.6/38

- sign 36.756 $\pm$ 0.191 χ^2 /NDF: 3233.1/20

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

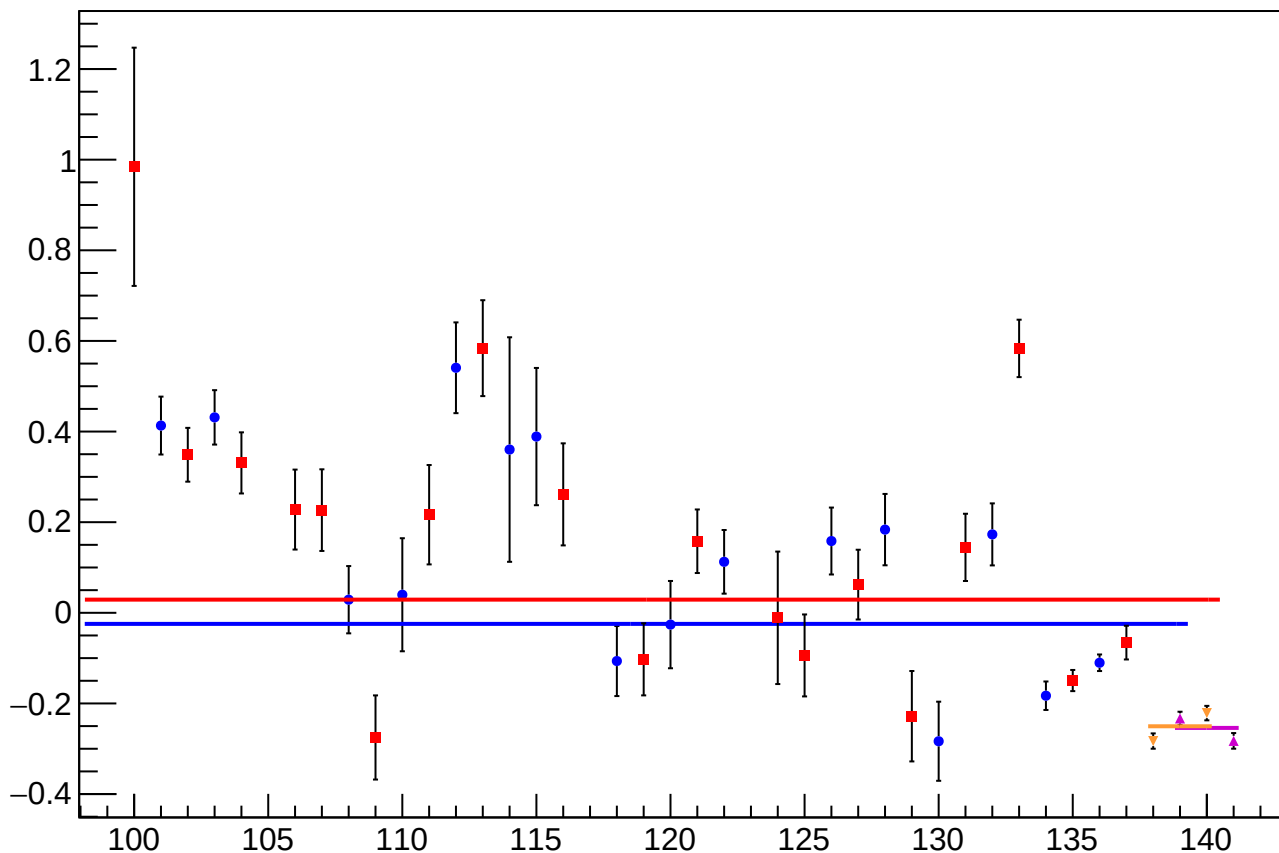
Left In: 43.655 $\pm$ 0.317 χ^2 /NDF: 709.5/1

+ sign 50.225 $\pm$ 0.181 χ^2 /NDF: 1884.5/17

All: 50.240 $\pm$ 0.134 χ^2 /NDF: 4652.7/38

- sign 50.259 $\pm$ 0.199 χ^2 /NDF: 2768.2/20

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024 ± 0.013 χ^2/NDF : 229.7/15

Left Out: -0.250 ± 0.012 χ^2/NDF : 7.0/1

Right Out: 0.029 ± 0.014 χ^2/NDF : 276.4/18

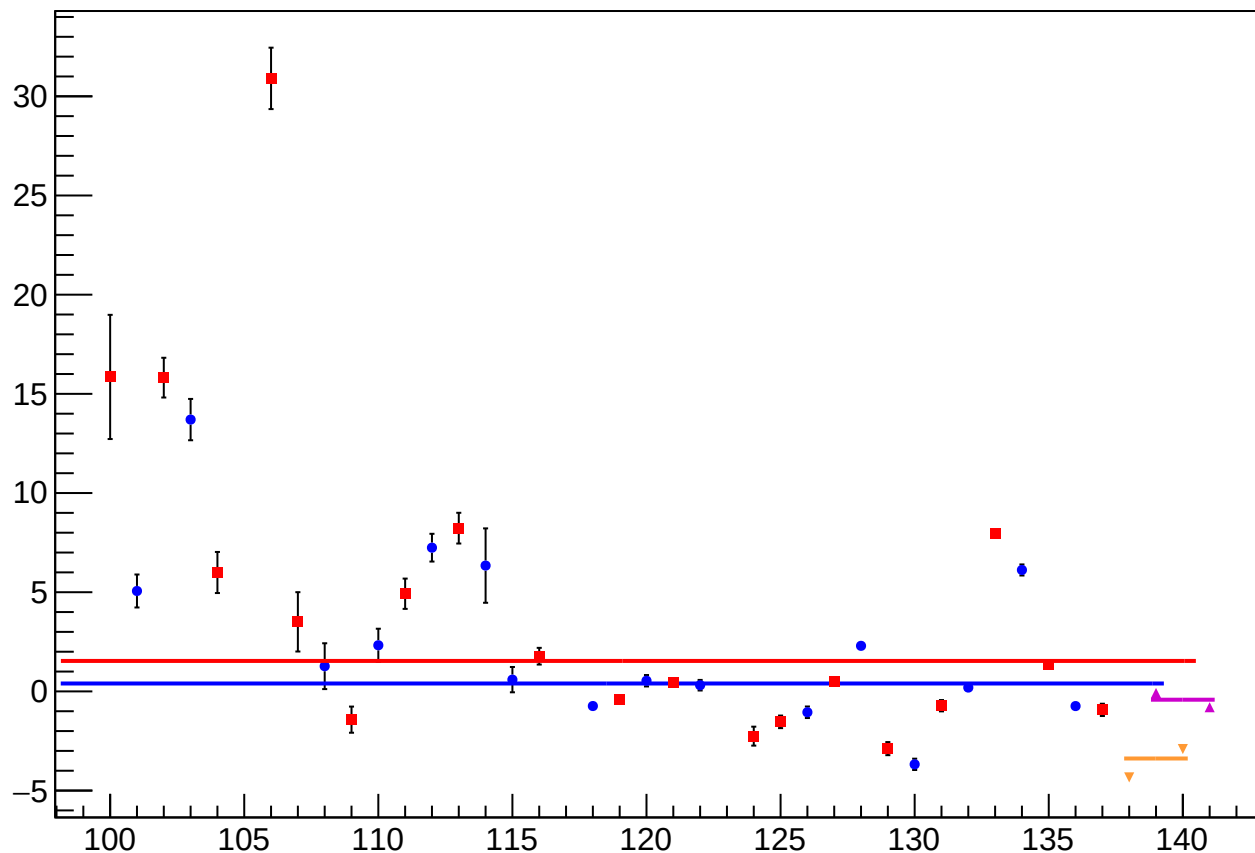
Left In: -0.254 ± 0.011 χ^2/NDF : 4.8/1

+ sign -0.148 ± 0.009 χ^2/NDF : 407.7/17

All: -0.147 ± 0.006 χ^2/NDF : 932.7/38

- sign -0.146 ± 0.009 χ^2/NDF : 524.9/20

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398 ± 0.077 χ^2/NDF : 1097.4/15

Left Out: -3.383 ± 0.099 χ^2/NDF : 46.4/1

Right Out: 1.536 ± 0.078 χ^2/NDF : 2411.2/18

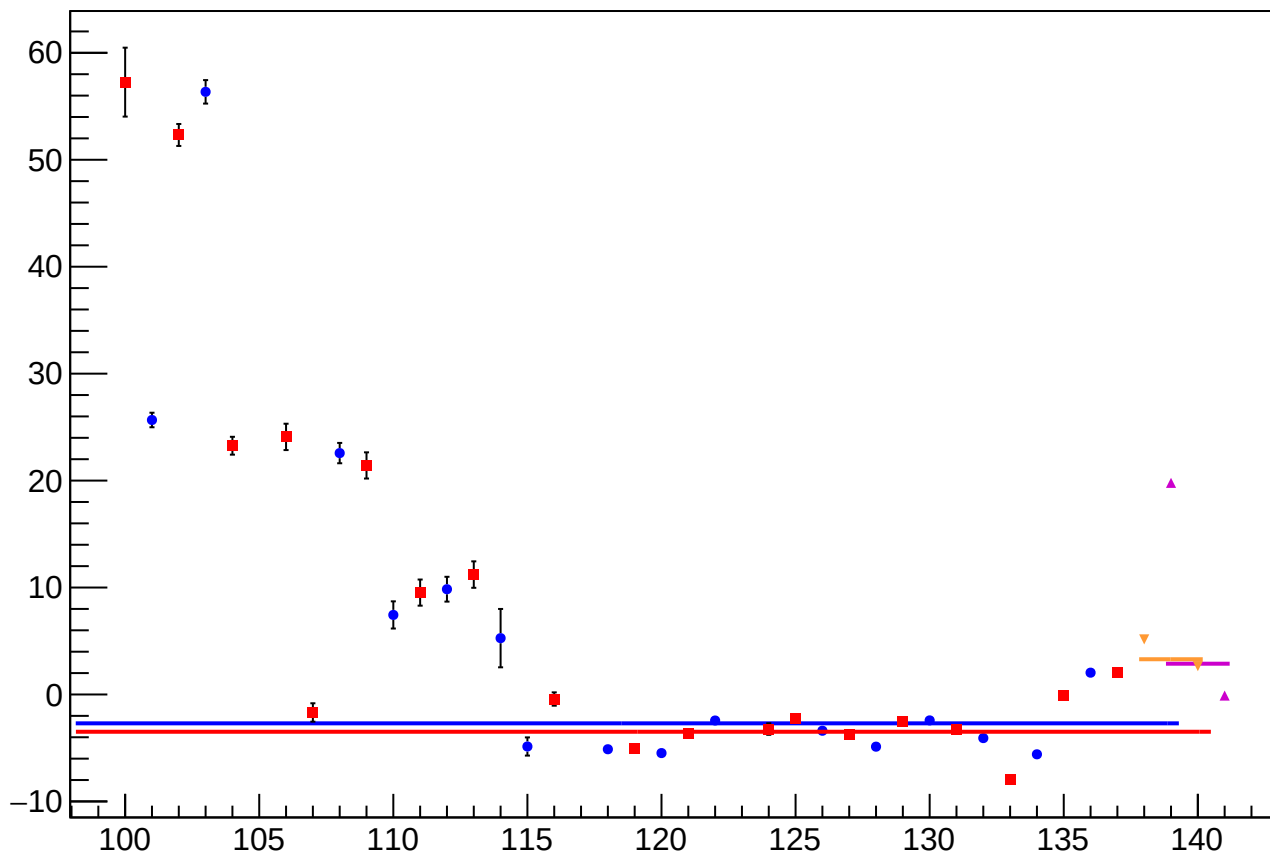
Left In: -0.419 ± 0.100 χ^2/NDF : 12.8/1

+ sign -1.030 ± 0.061 χ^2/NDF : 2052.8/17

All: -0.129 ± 0.043 χ^2/NDF : 5157.9/38

- sign 0.796 ± 0.062 χ^2/NDF : 2660.4/20

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

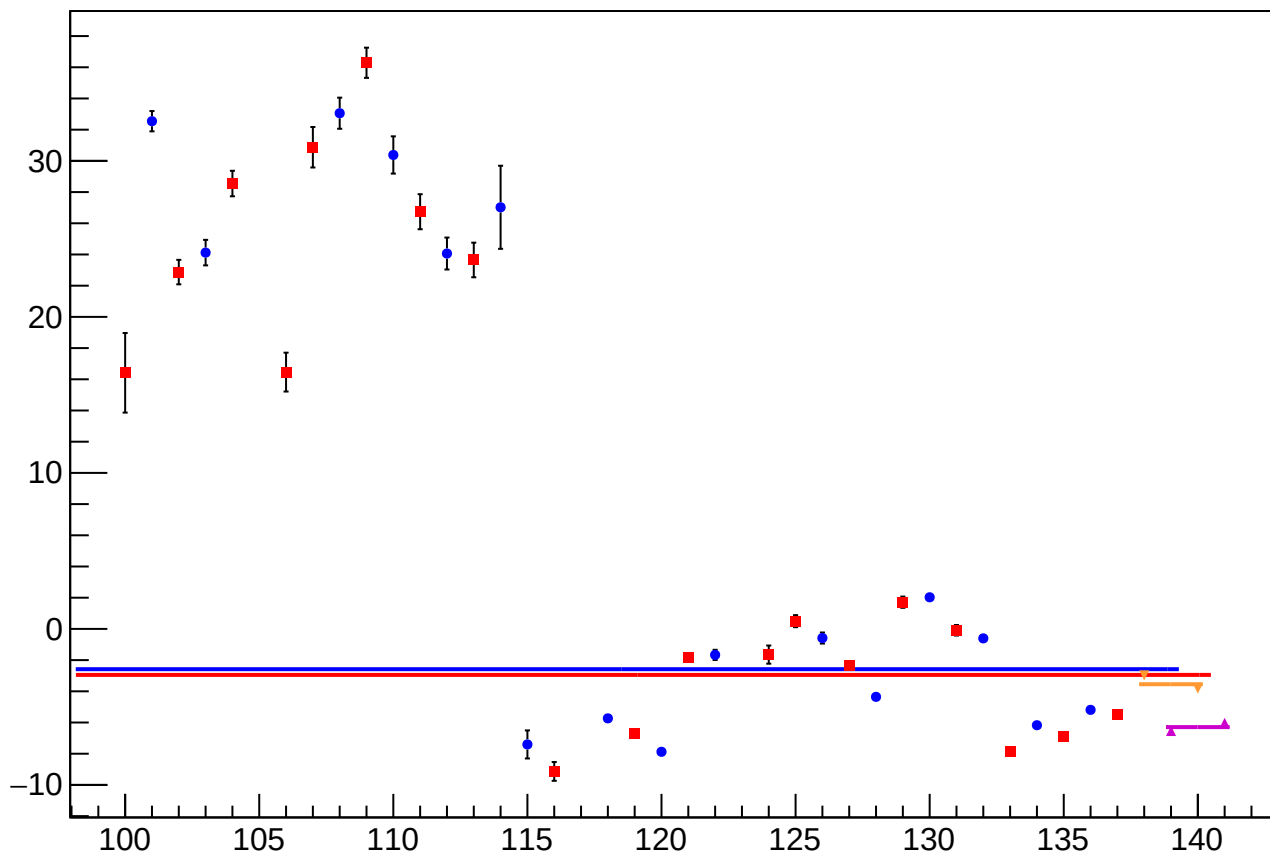
Left In: 2.877 ± 0.098 χ^2/NDF : 5200.1/1

+ sign -0.324 ± 0.055 χ^2/NDF : 10107.1/17

All: -0.796 ± 0.040 χ^2/NDF : 25374.5/38

- sign -1.314 ± 0.058 χ^2/NDF : 15112.7/20

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

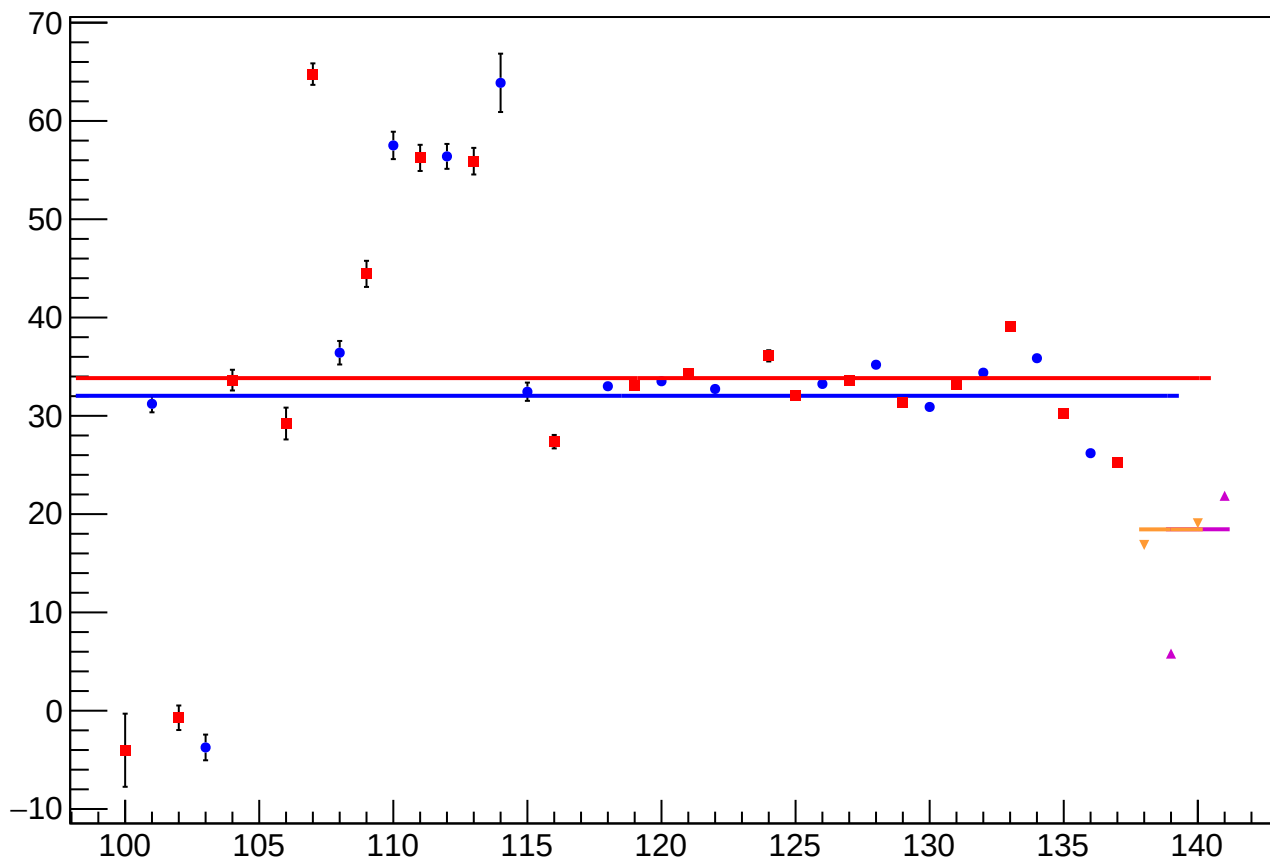
Left In: -6.294 ± 0.103 χ^2/NDF : 6.3/1

+ sign -2.965 ± 0.064 χ^2/NDF : 8228.4/17

All: -3.618 ± 0.046 χ^2/NDF : 17264.2/38

- sign -4.295 ± 0.066 χ^2/NDF : 8827.1/20

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

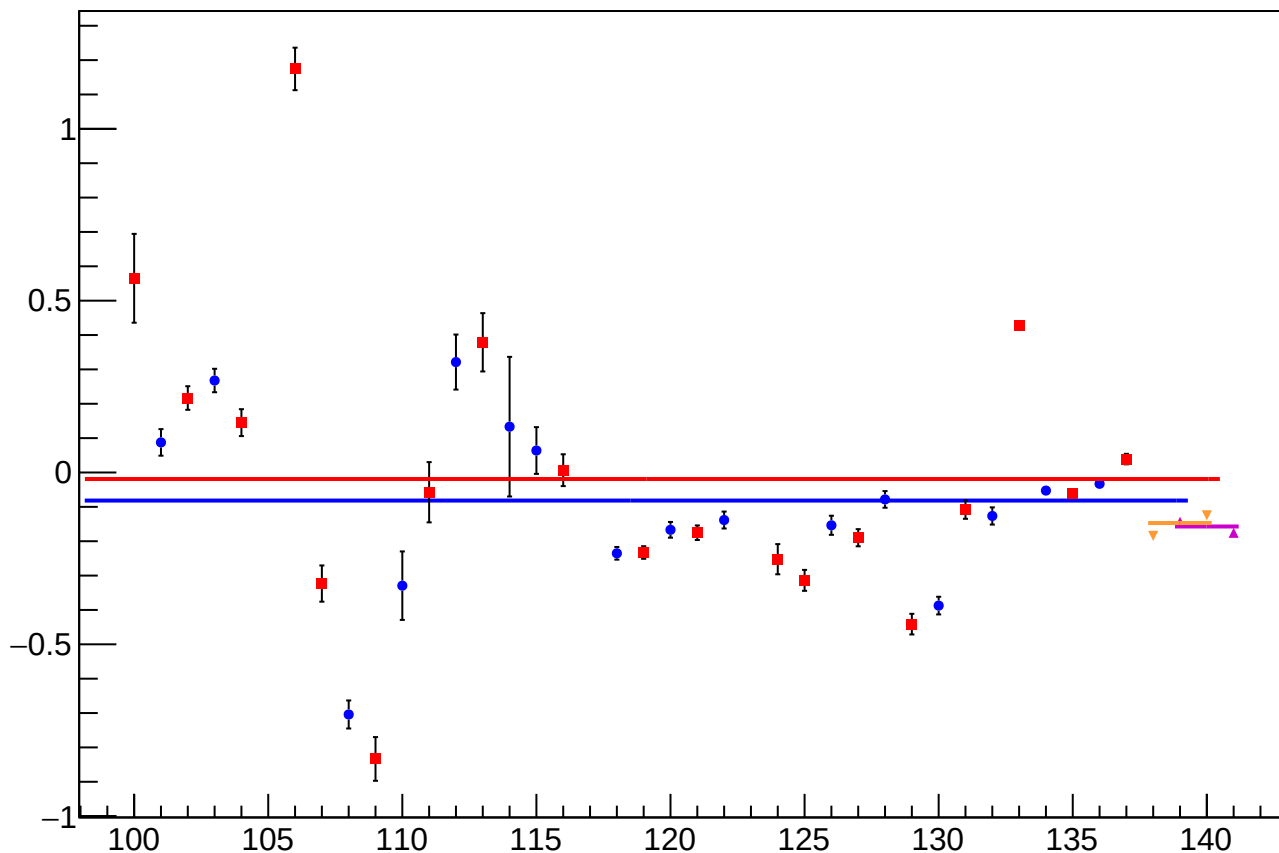
Left In: 18.457+/-0.113 χ^2/NDF : 3398.6/1

+ sign 26.850+/-0.064 χ^2/NDF : 14016.6/17

All: 27.668+/-0.046 χ^2/NDF : 34217.4/38

- sign 28.541+/-0.066 χ^2/NDF : 19862.5/20

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082 ± 0.005 χ^2/NDF : 689.2/15

Left Out: -0.147 ± 0.004 χ^2/NDF : 44.3/1

Right Out: -0.019 ± 0.005 χ^2/NDF : 2273.7/18

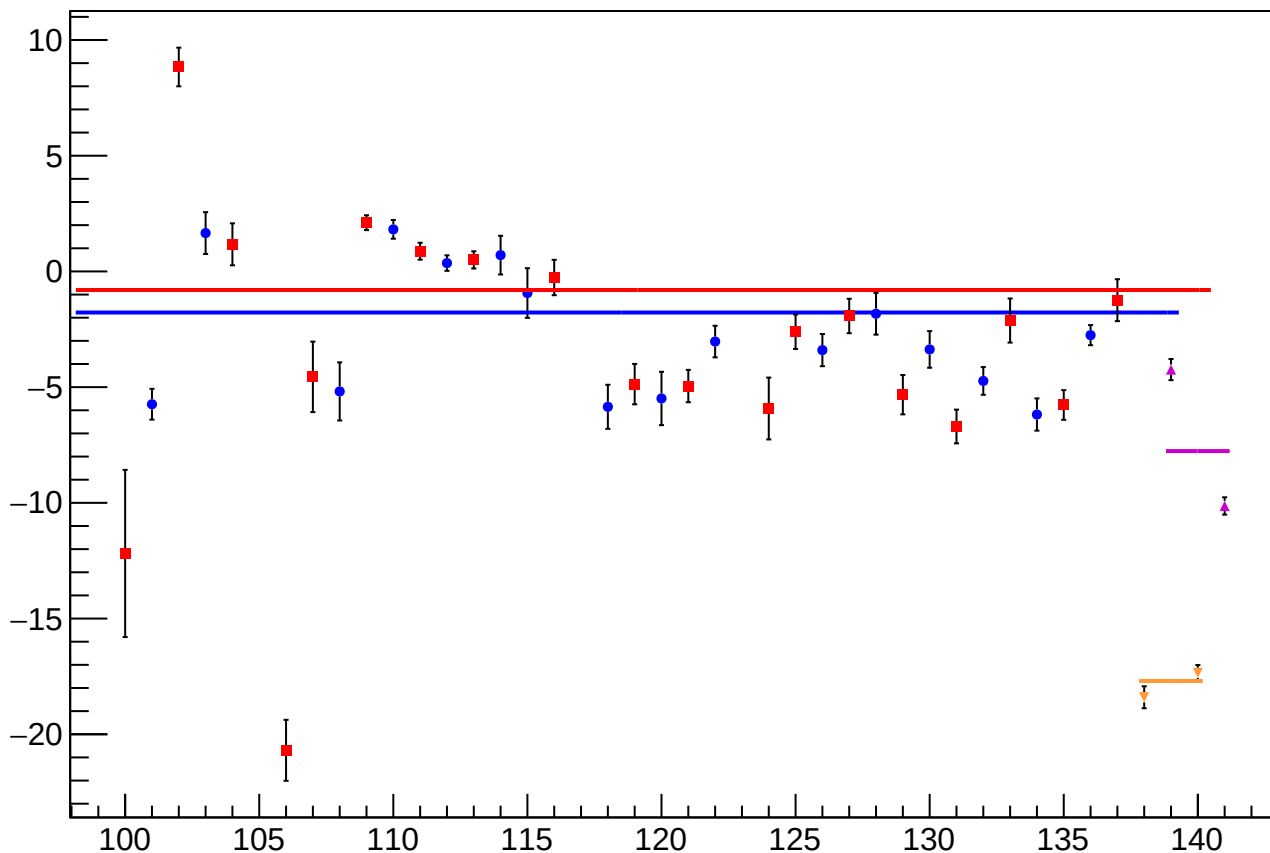
Left In: -0.157 ± 0.004 χ^2/NDF : 15.6/1

+ sign -0.118 ± 0.003 χ^2/NDF : 834.7/17

All: -0.112 ± 0.002 χ^2/NDF : 3576.3/38

- sign -0.106 ± 0.003 χ^2/NDF : 2735.0/20

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

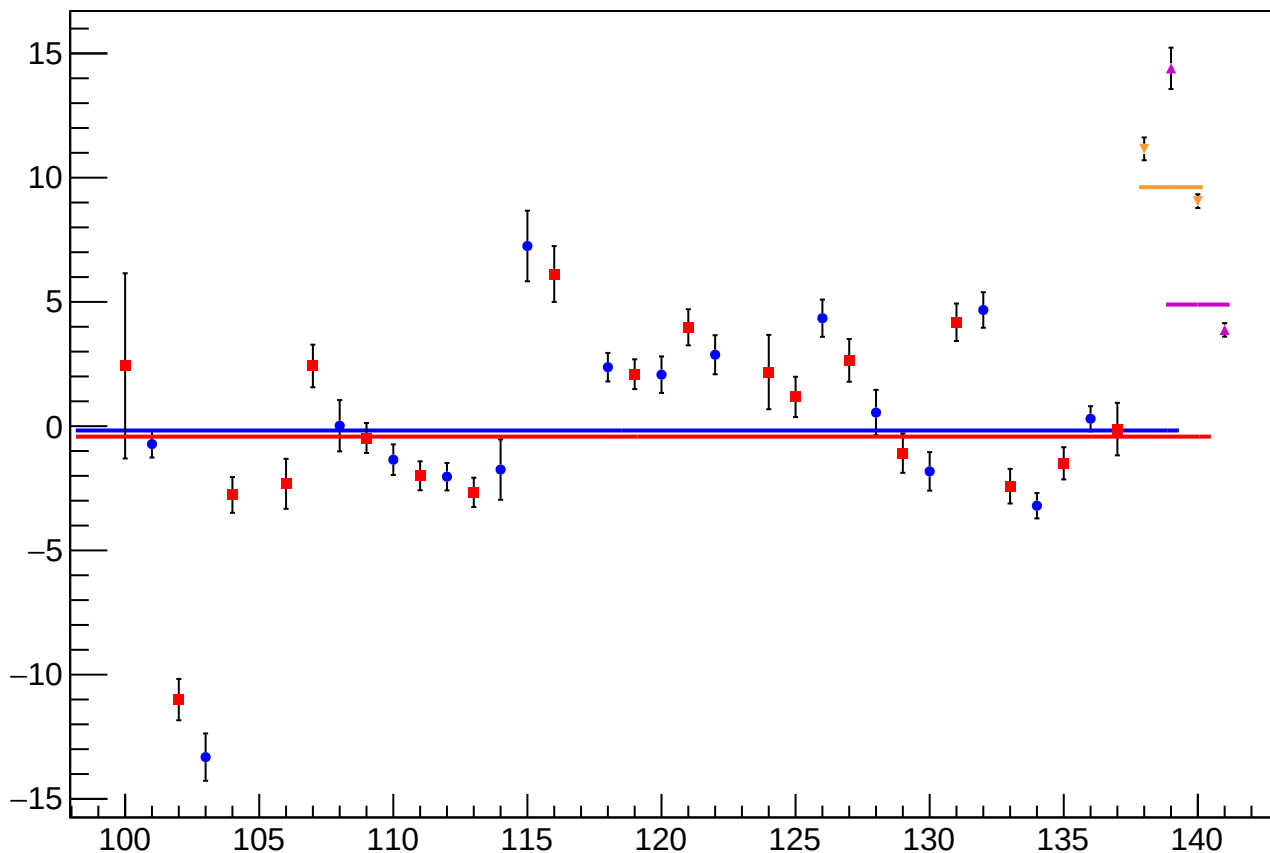
Left In: -7.763 ± 0.290 χ^2/NDF : 99.4/1

+ sign -5.717 ± 0.136 χ^2/NDF : 2843.2/17

All: -3.927 ± 0.095 χ^2/NDF : 4467.6/38

- sign -2.247 ± 0.132 χ^2/NDF : 1290.0/20

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174 ± 0.173 χ^2/NDF : 403.1/15

Left Out: 9.617 ± 0.237 χ^2/NDF : 15.4/1

Right Out: -0.421 ± 0.177 χ^2/NDF : 366.3/18

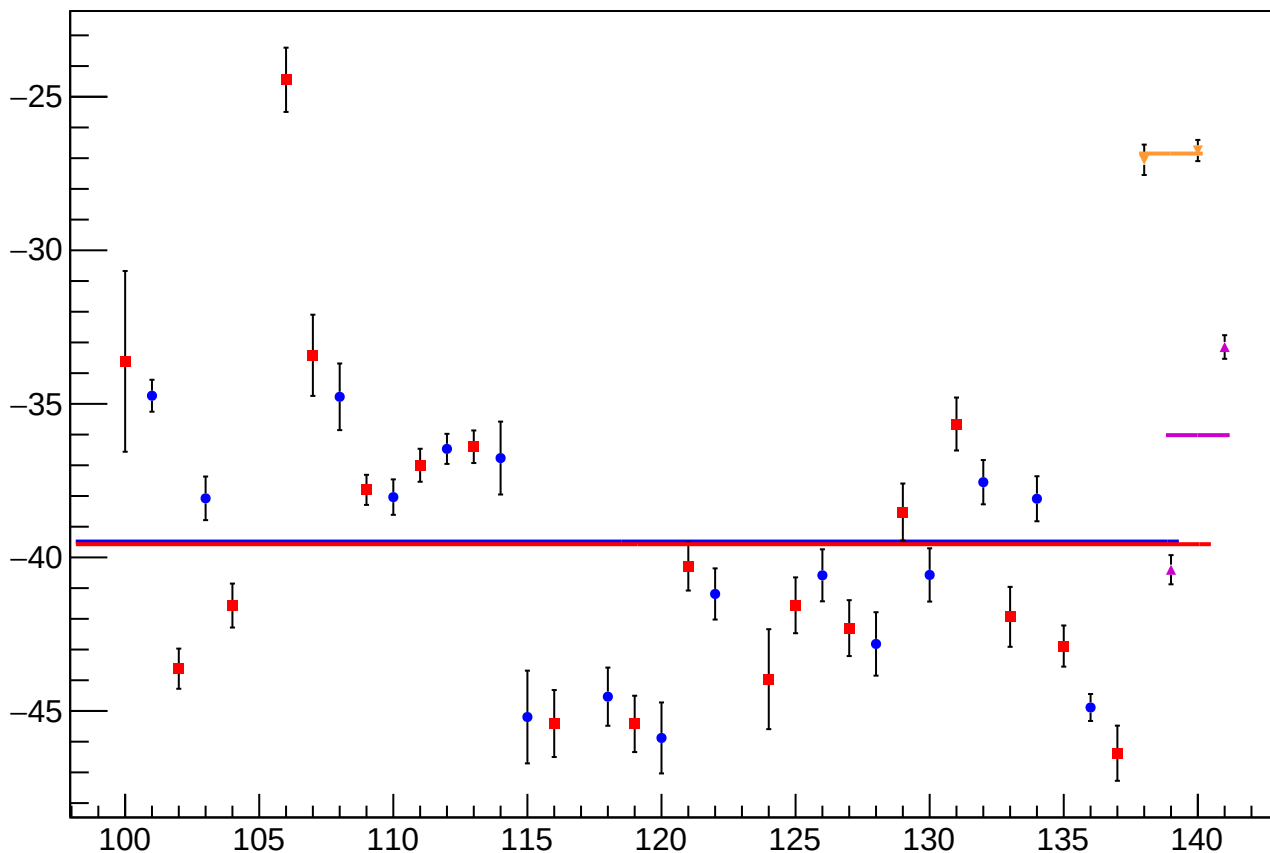
Left In: 4.894 ± 0.259 χ^2/NDF : 144.0/1

+ sign 3.230 ± 0.140 χ^2/NDF : 1532.1/17

All: 2.296 ± 0.101 χ^2/NDF : 2422.7/38

- sign 1.271 ± 0.146 χ^2/NDF : 796.8/20

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484 ± 0.180 χ^2/NDF : 409.3/15

Left Out: -26.849 ± 0.283 χ^2/NDF : 0.3/1

Right Out: -39.570 ± 0.181 χ^2/NDF : 553.5/18

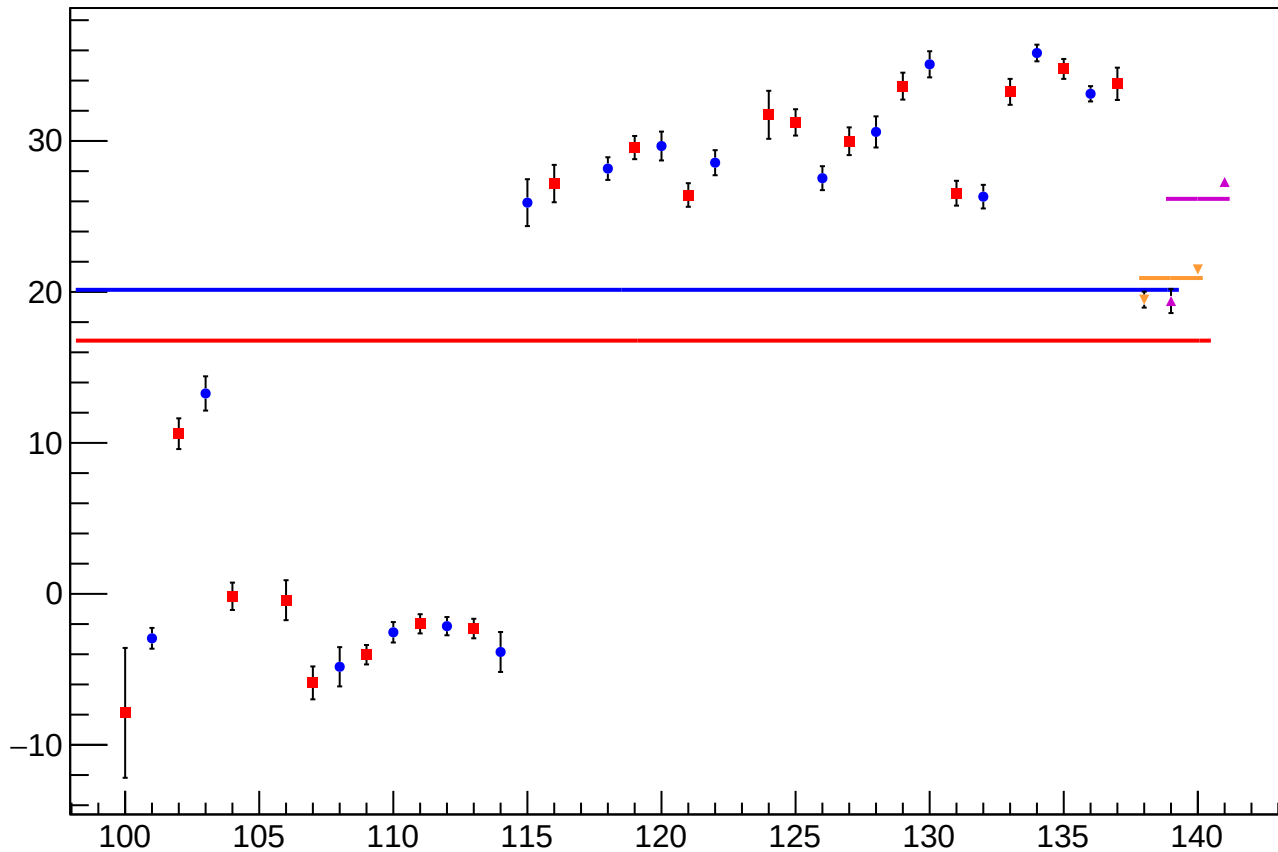
Left In: -36.019 ± 0.299 χ^2/NDF : 140.6/1

+ sign -35.838 ± 0.152 χ^2/NDF : 1827.6/17

All: -37.202 ± 0.108 χ^2/NDF : 2789.1/38

- sign -38.618 ± 0.155 χ^2/NDF : 797.4/20

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

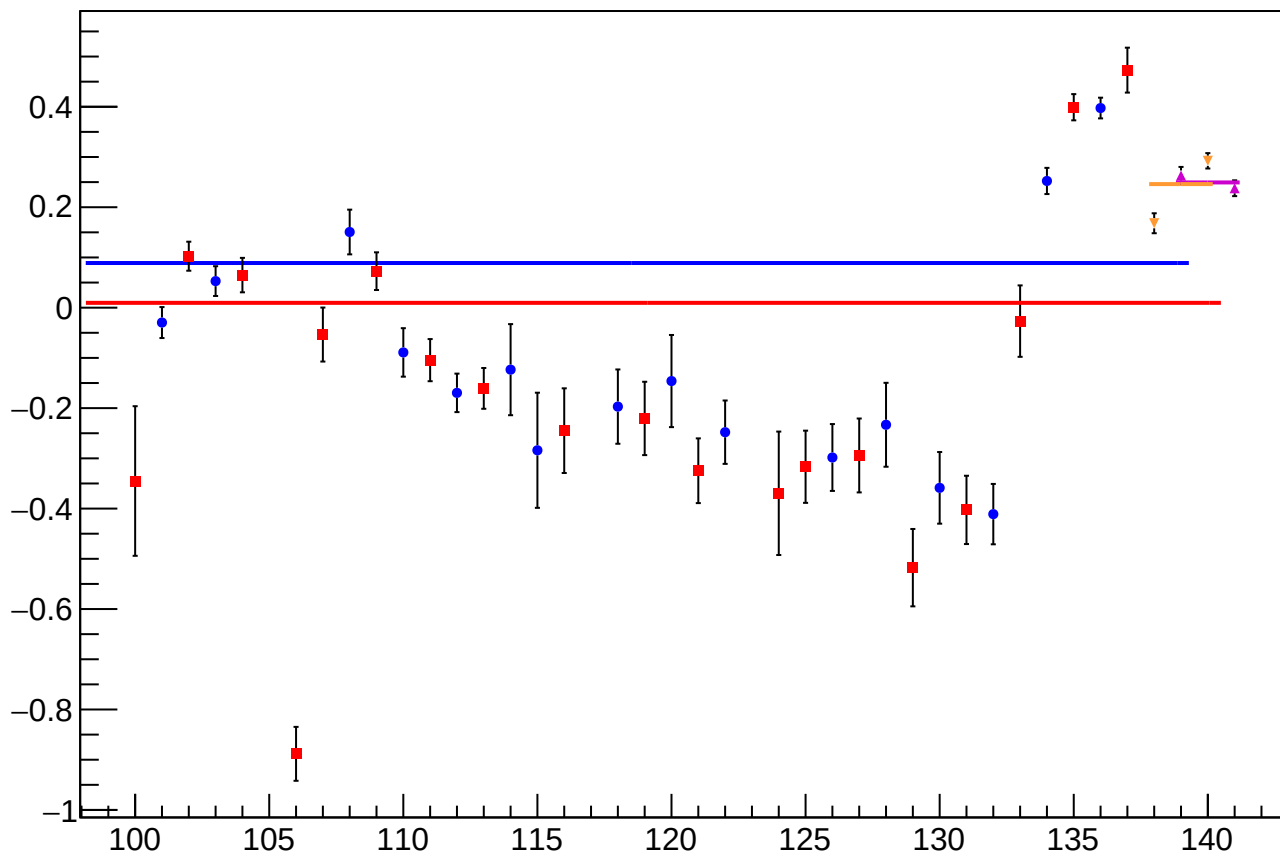
Left In: 26.166 $\pm$ 0.301 χ^2 /NDF:83.3/1

+ sign 20.392 $\pm$ 0.160 χ^2 /NDF: 6700.1/17

All: 20.032 $\pm$ 0.115 χ^2 /NDF: 14208.4/38

- sign 19.643 $\pm$ 0.166 χ^2 /NDF: 7497.8/20

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089 $\pm$ 0.010 χ^2 /NDF: 563.9/15

Left Out: 0.246 $\pm$ 0.012 χ^2 /NDF:24.6/1

Right Out: 0.010 $\pm$ 0.011 χ^2 /NDF: 834.8/18

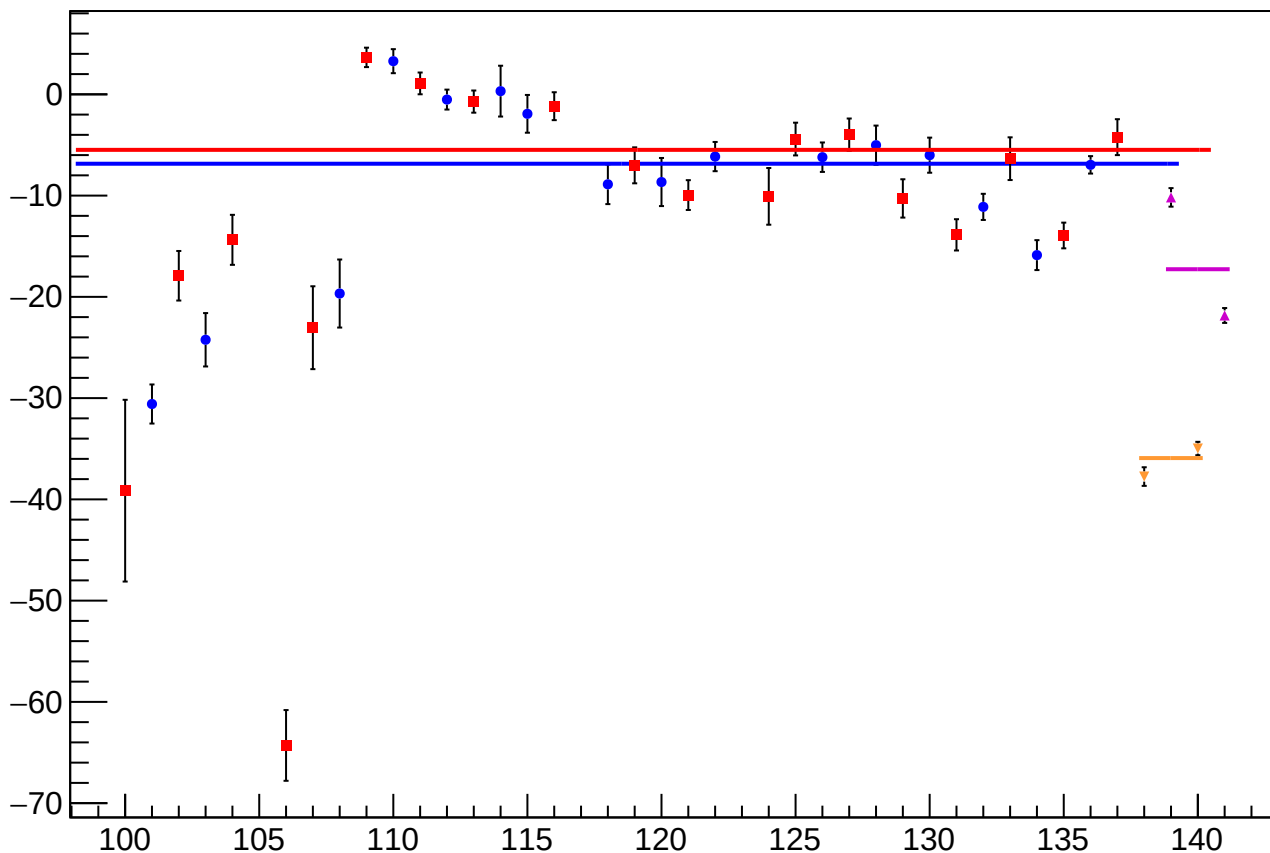
Left In: 0.249 $\pm$ 0.012 χ^2 /NDF:1.2/1

+ sign 0.156 $\pm$ 0.008 χ^2 /NDF: 685.1/17

All: 0.140 $\pm$ 0.006 χ^2 /NDF: 1754.1/38

- sign 0.123 $\pm$ 0.008 χ^2 /NDF: 1060.8/20

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

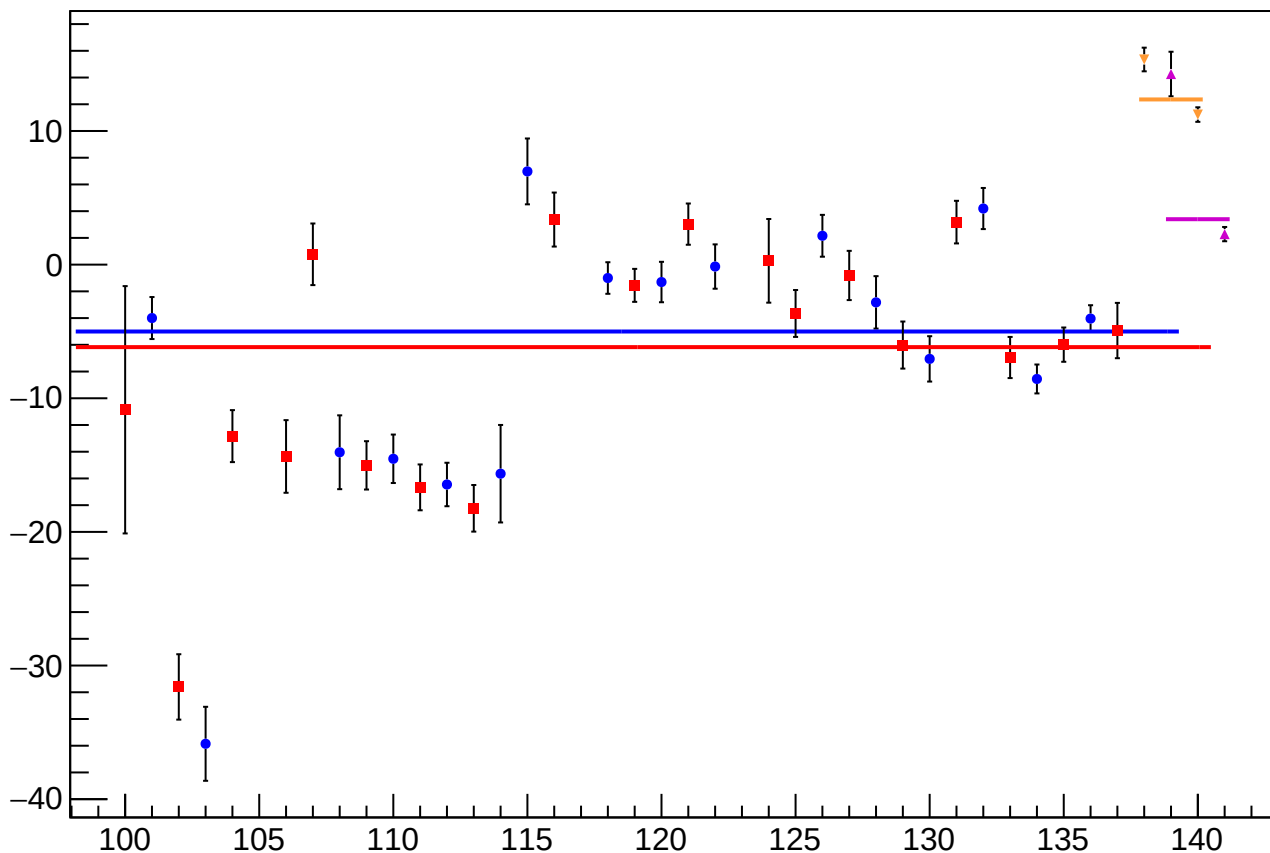
Left In: -17.271 ± 0.573 χ^2/NDF : 98.7/1

+ sign -16.415 ± 0.308 χ^2/NDF : 2366.4/17

All: -12.708 ± 0.218 χ^2/NDF : 3663.6/38

- sign -8.938 ± 0.310 χ^2/NDF : 1004.4/20

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

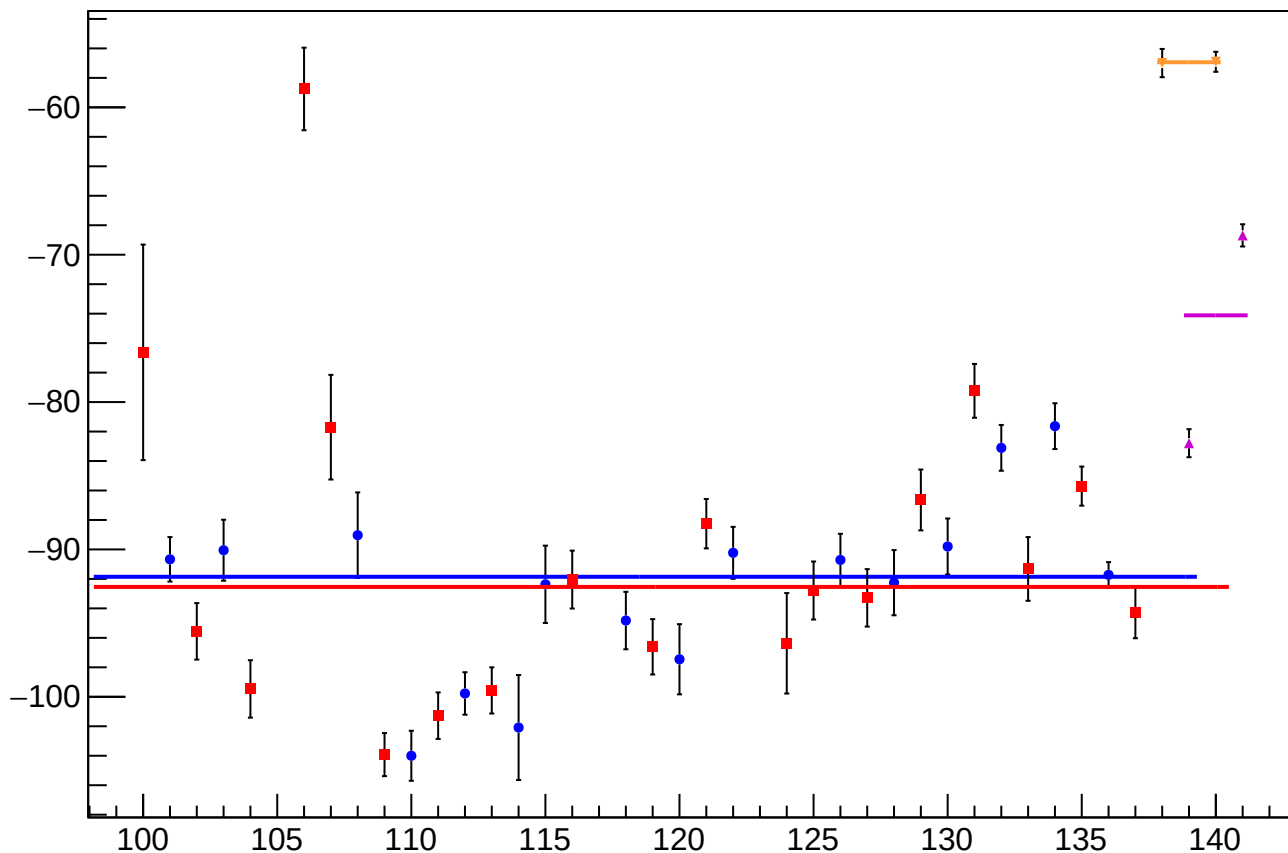
Left In: 3.399 ± 0.509 χ^2/NDF : 46.9/1

+ sign 2.305 ± 0.301 χ^2/NDF : 1169.8/17

All: 0.147 ± 0.220 χ^2/NDF : 1908.4/38

- sign -2.330 ± 0.322 χ^2/NDF : 628.0/20

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

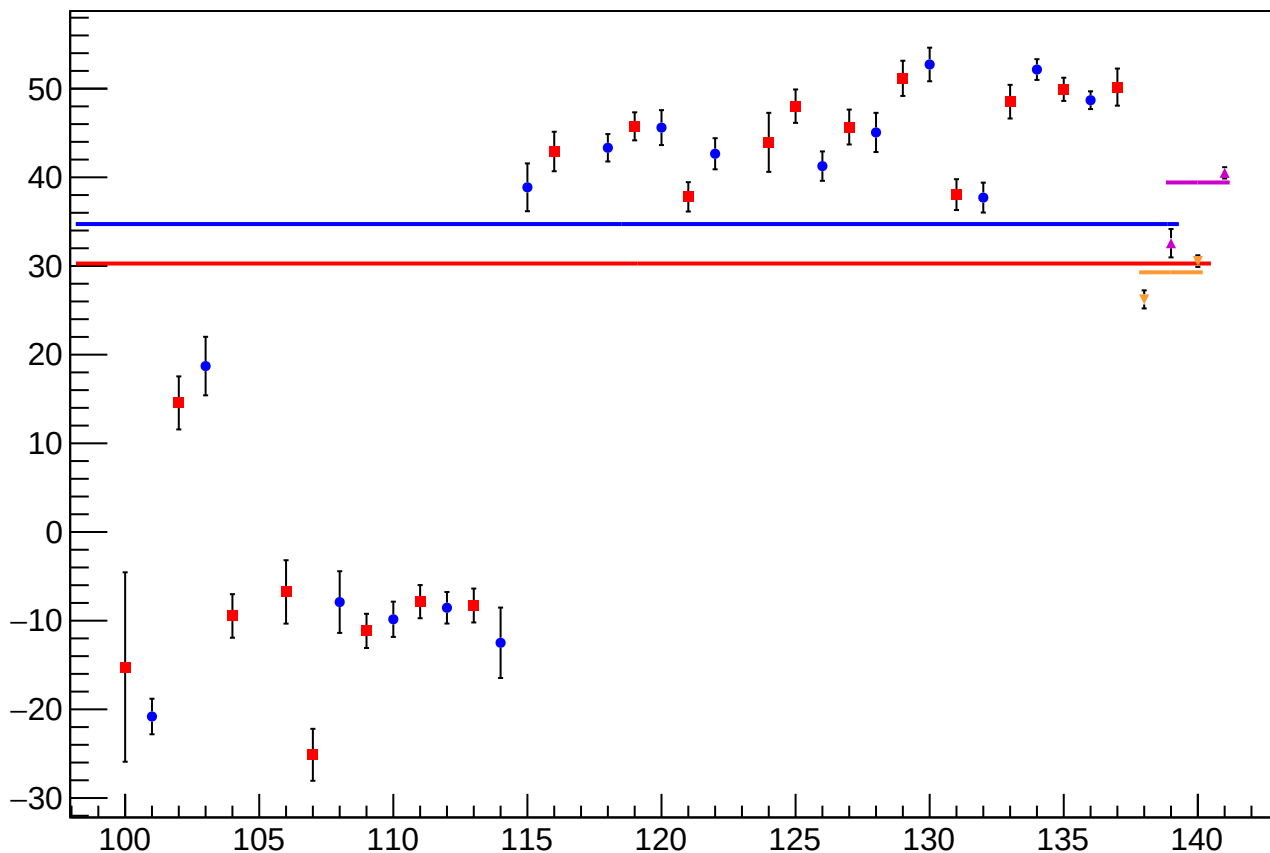
Left In: -74.115 ± 0.591 χ^2/NDF : 134.7/1

+ sign -78.964 ± 0.337 χ^2/NDF : 2680.8/17

All: -82.316 ± 0.244 χ^2/NDF : 4036.9/38

- sign -85.990 ± 0.353 χ^2/NDF : 1148.4/20

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729 $\pm$ 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

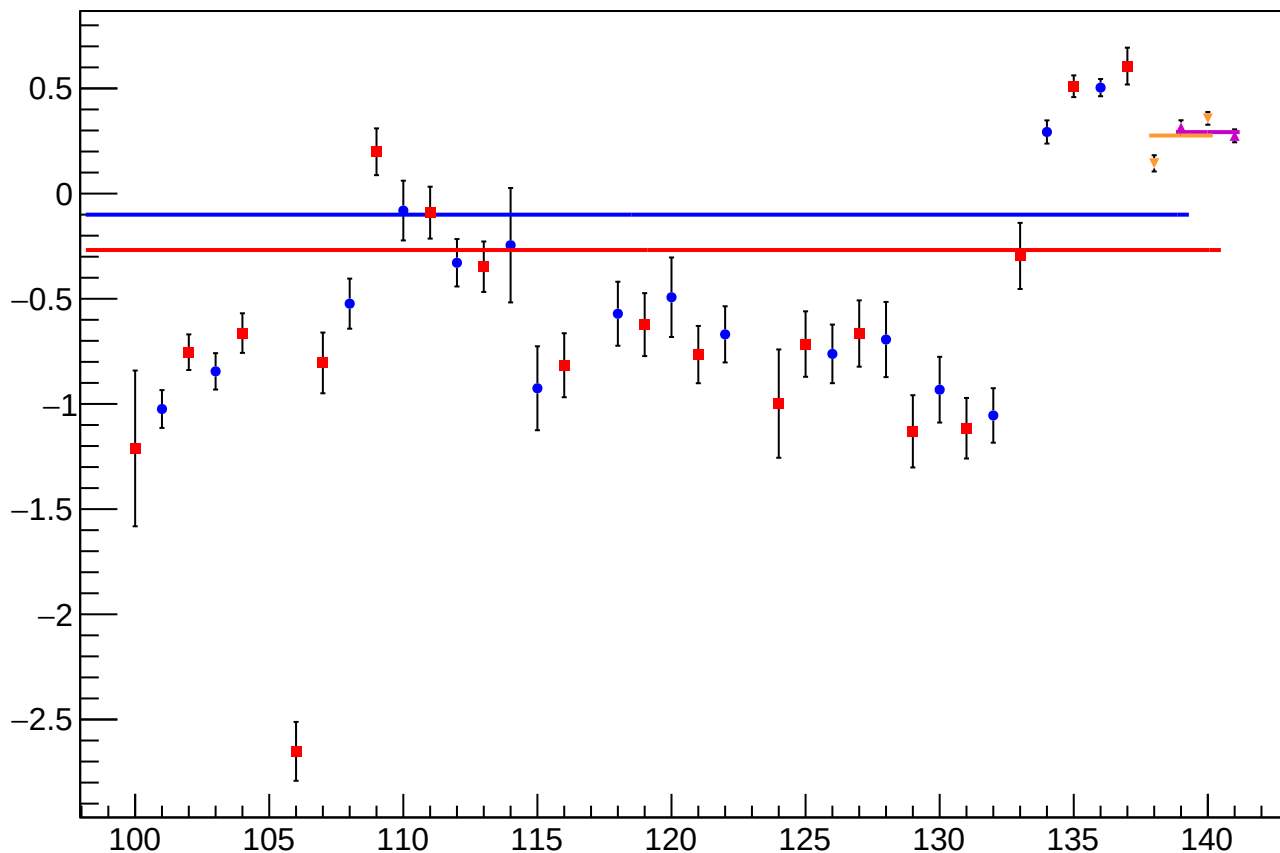
Left In: 39.419 $\pm$ 0.592 χ^2 /NDF:21.3/1

+ sign 32.600 $\pm$ 0.345 χ^2 /NDF: 2881.1/17

All: 33.158 $\pm$ 0.251 χ^2 /NDF: 5966.2/38

- sign 33.789 $\pm$ 0.367 χ^2 /NDF: 3079.5/20

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

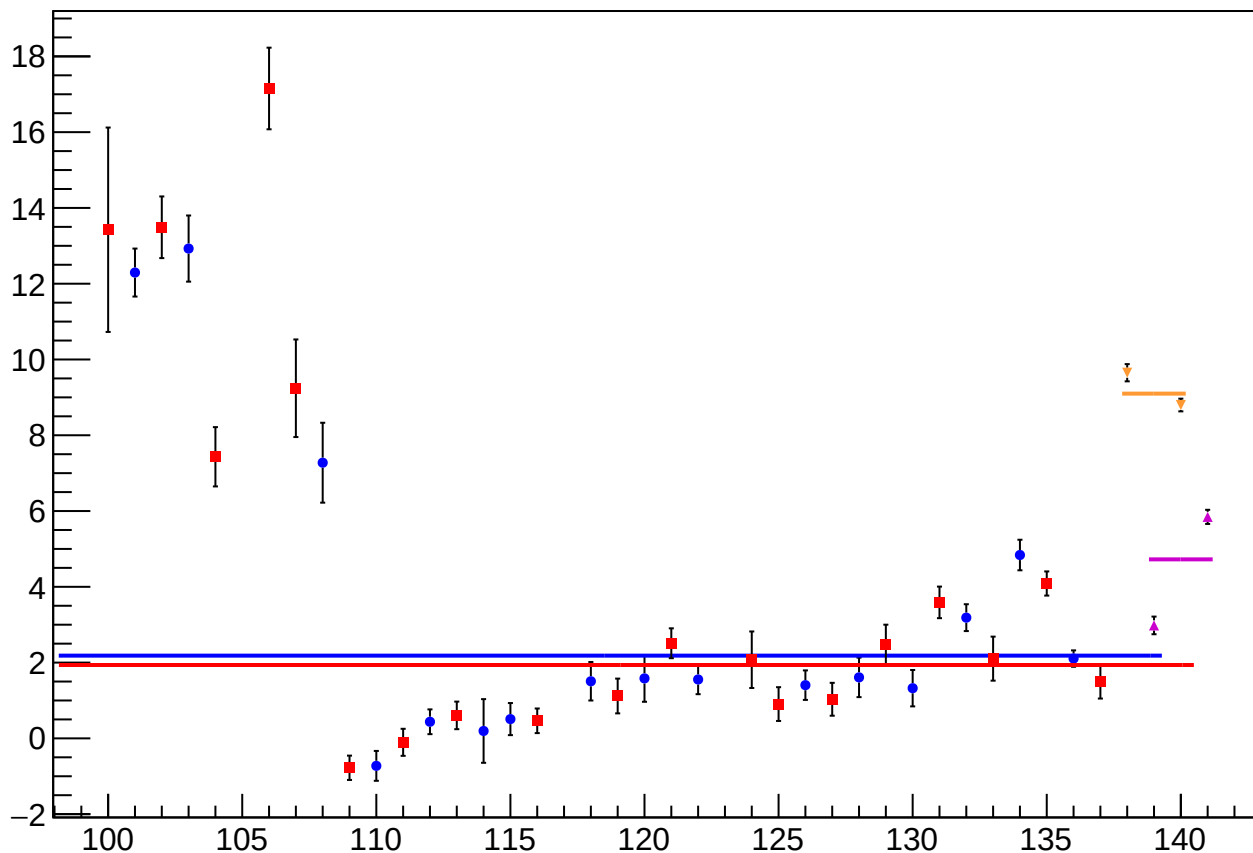
Left In: 0.292 ± 0.023 χ^2/NDF : 0.7/1

+ sign 0.090 ± 0.017 χ^2/NDF : 774.4/17

All: 0.071 ± 0.012 χ^2/NDF : 1857.9/38

- sign 0.051 ± 0.017 χ^2/NDF : 1080.9/20

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

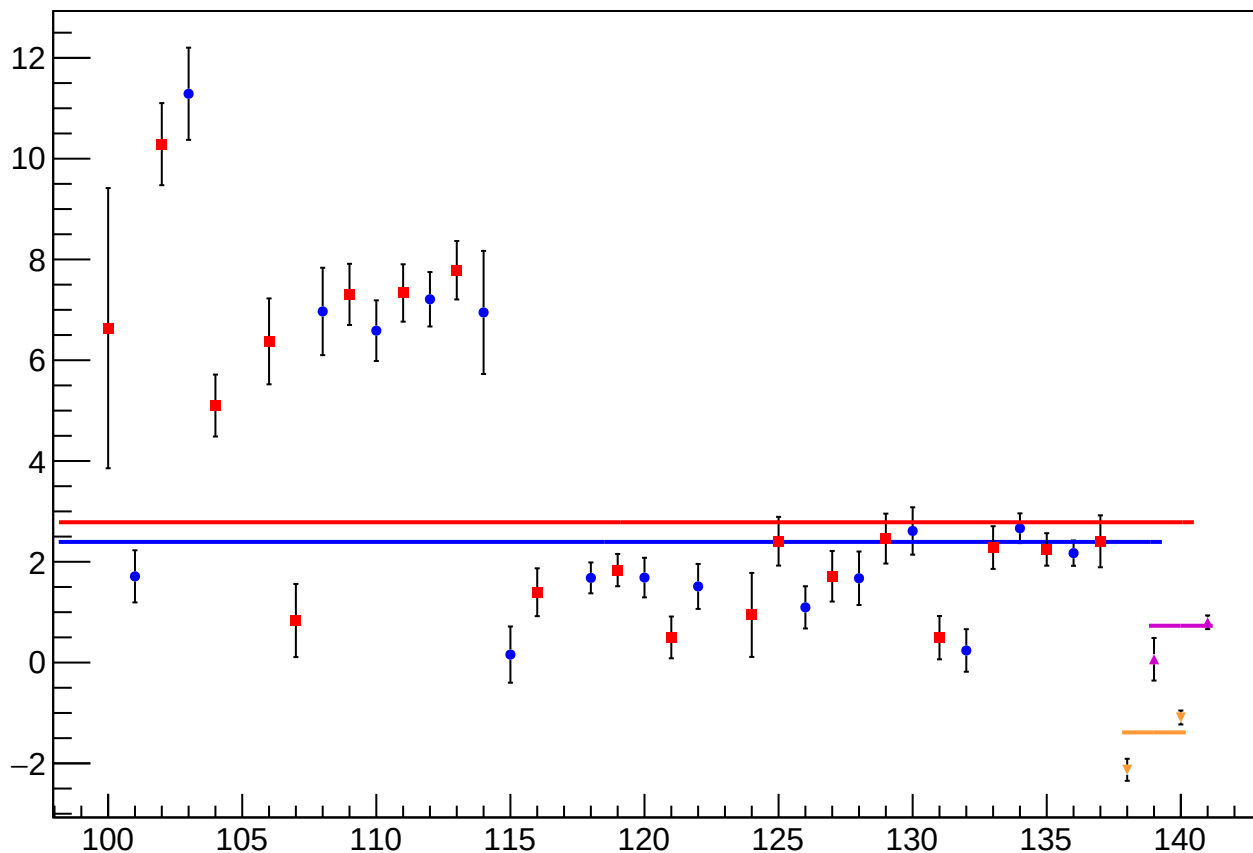
Left In: 4.725 $\pm$ 0.146 χ^2/NDF : 92.2/1

+ sign 4.789 $\pm$ 0.083 χ^2/NDF : 2243.0/17

All: 3.871 $\pm$ 0.059 χ^2/NDF : 3545.7/38

- sign 2.896 $\pm$ 0.085 χ^2/NDF : 1049.7/20

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394 ± 0.108 χ^2/NDF : 333.9/15

Left Out: -1.386 ± 0.117 χ^2/NDF : 16.1/1

Right Out: 2.785 ± 0.116 χ^2/NDF : 410.9/18

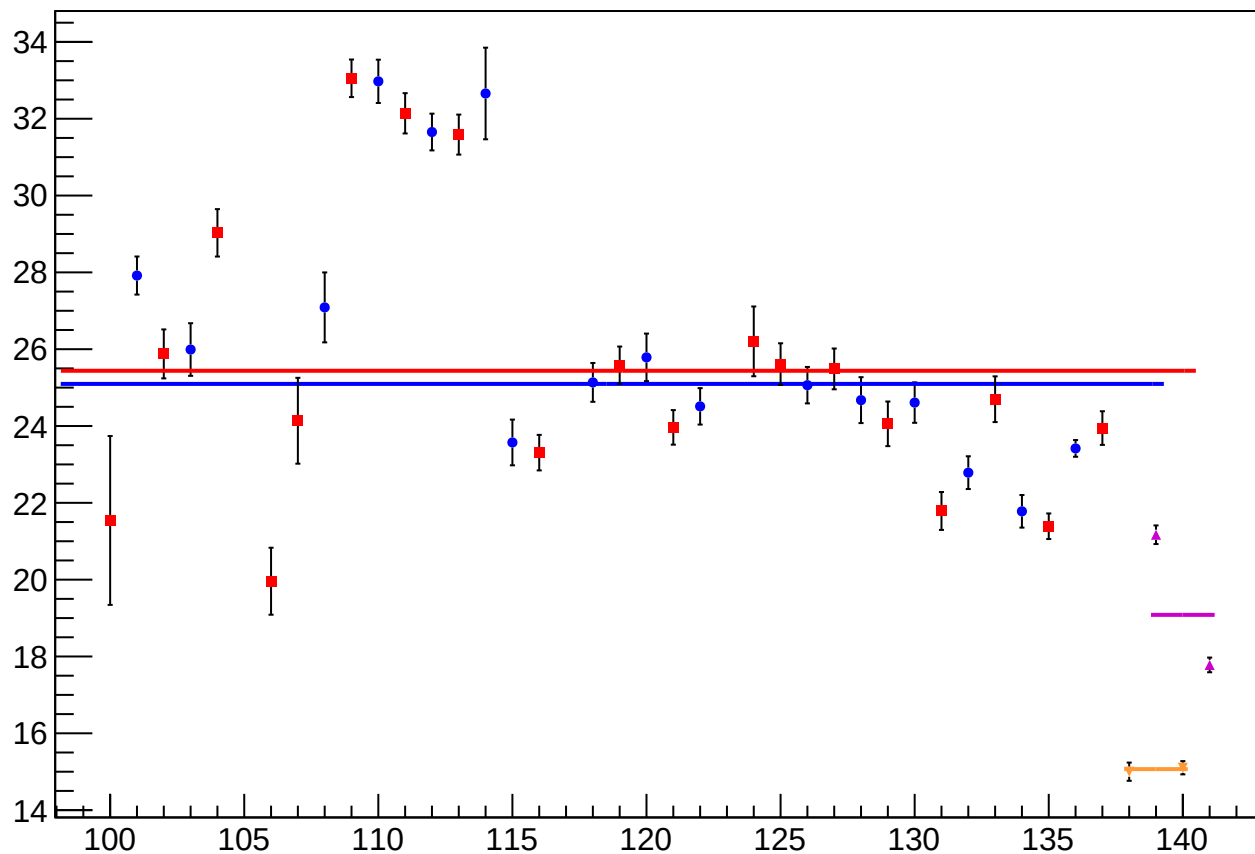
Left In: 0.731 ± 0.129 χ^2/NDF : 2.7/1

+ sign 0.646 ± 0.079 χ^2/NDF : 913.0/17

All: 1.207 ± 0.058 χ^2/NDF : 1575.4/38

- sign 1.869 ± 0.086 χ^2/NDF : 553.7/20

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096 $\pm$ 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

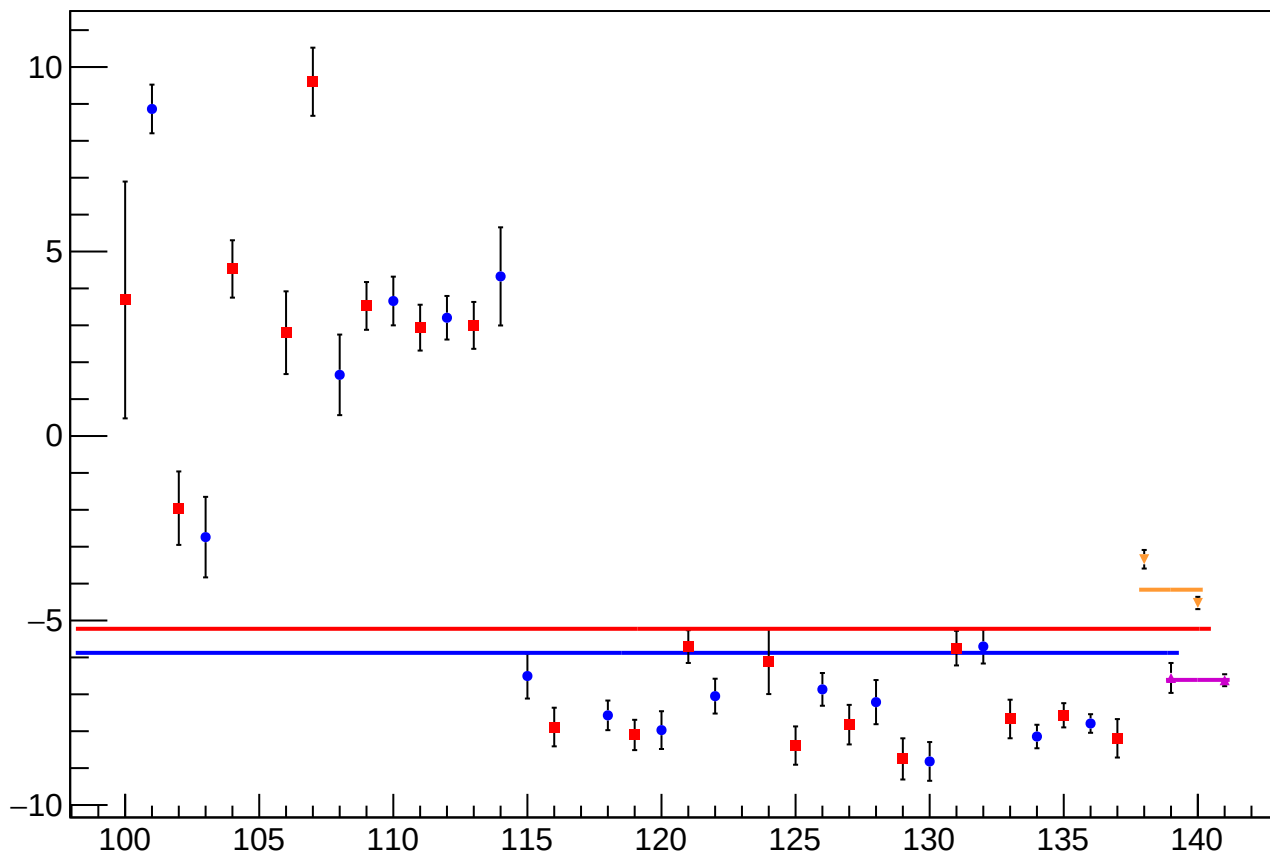
Left In: 19.083 $\pm$ 0.150 χ^2 /NDF: 120.4/1

+ sign 20.934 $\pm$ 0.090 χ^2 /NDF: 3644.8/17

All: 21.839 $\pm$ 0.066 χ^2 /NDF: 5922.5/38

- sign 22.864 $\pm$ 0.096 χ^2 /NDF: 2061.7/20

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

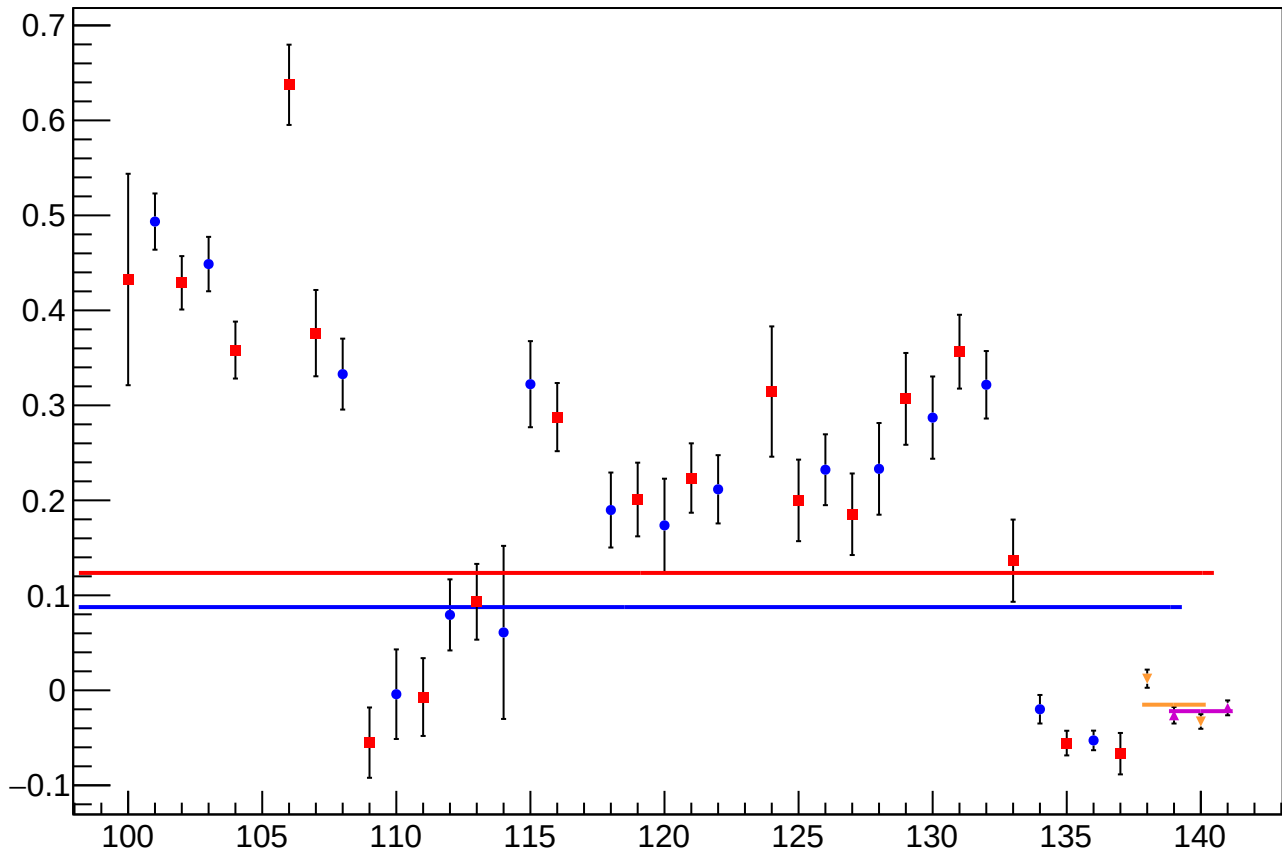
Left In: -6.609 ± 0.150 χ^2/NDF : 0.0/1

+ sign -5.140 ± 0.091 χ^2/NDF : 1353.3/17

All: -5.452 ± 0.067 χ^2/NDF : 2719.4/38

- sign -5.814 ± 0.098 χ^2/NDF : 1340.7/20

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

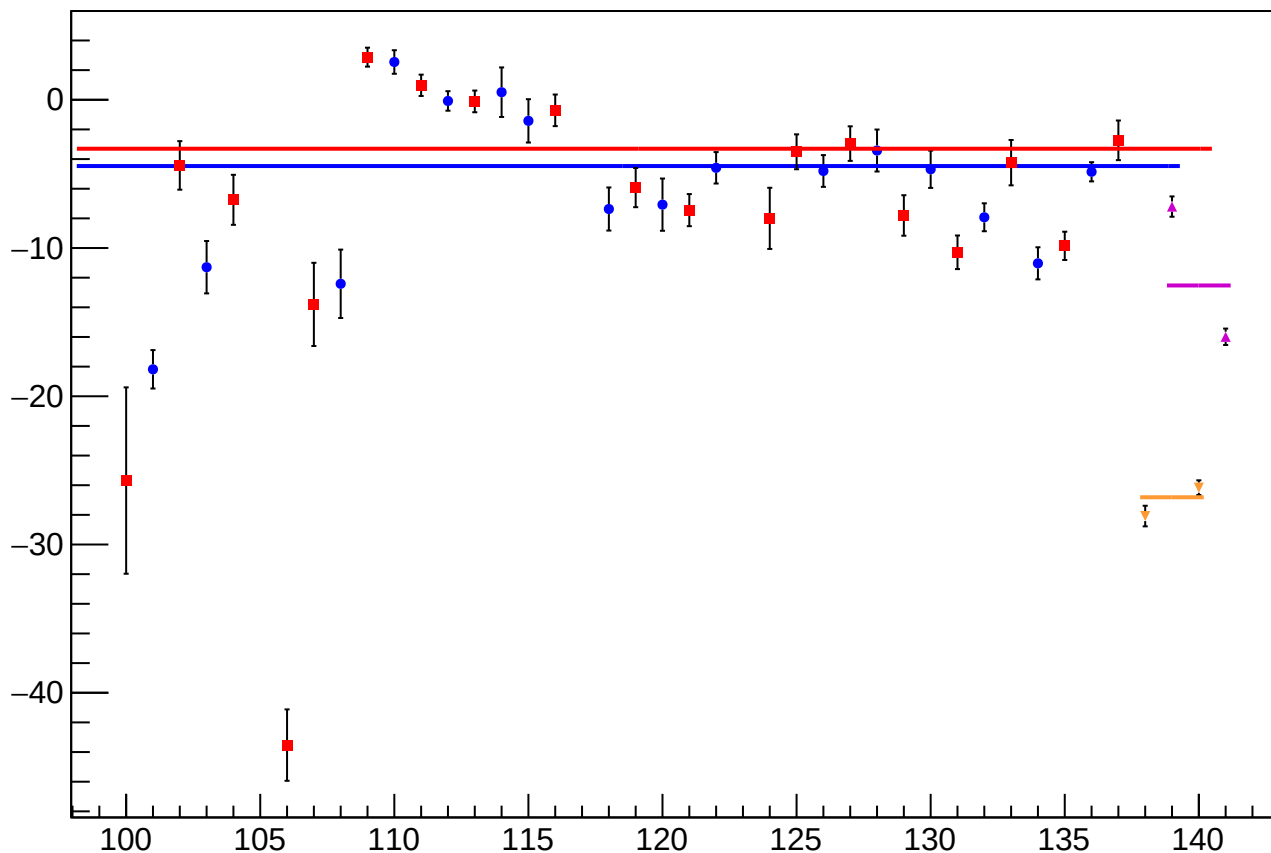
Left In: -0.022 ± 0.006 χ^2/NDF : 0.4/1

+ sign 0.031 ± 0.004 χ^2/NDF : 914.6/17

All: 0.033 ± 0.003 χ^2/NDF : 1919.2/38

- sign 0.034 ± 0.005 χ^2/NDF : 1004.4/20

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

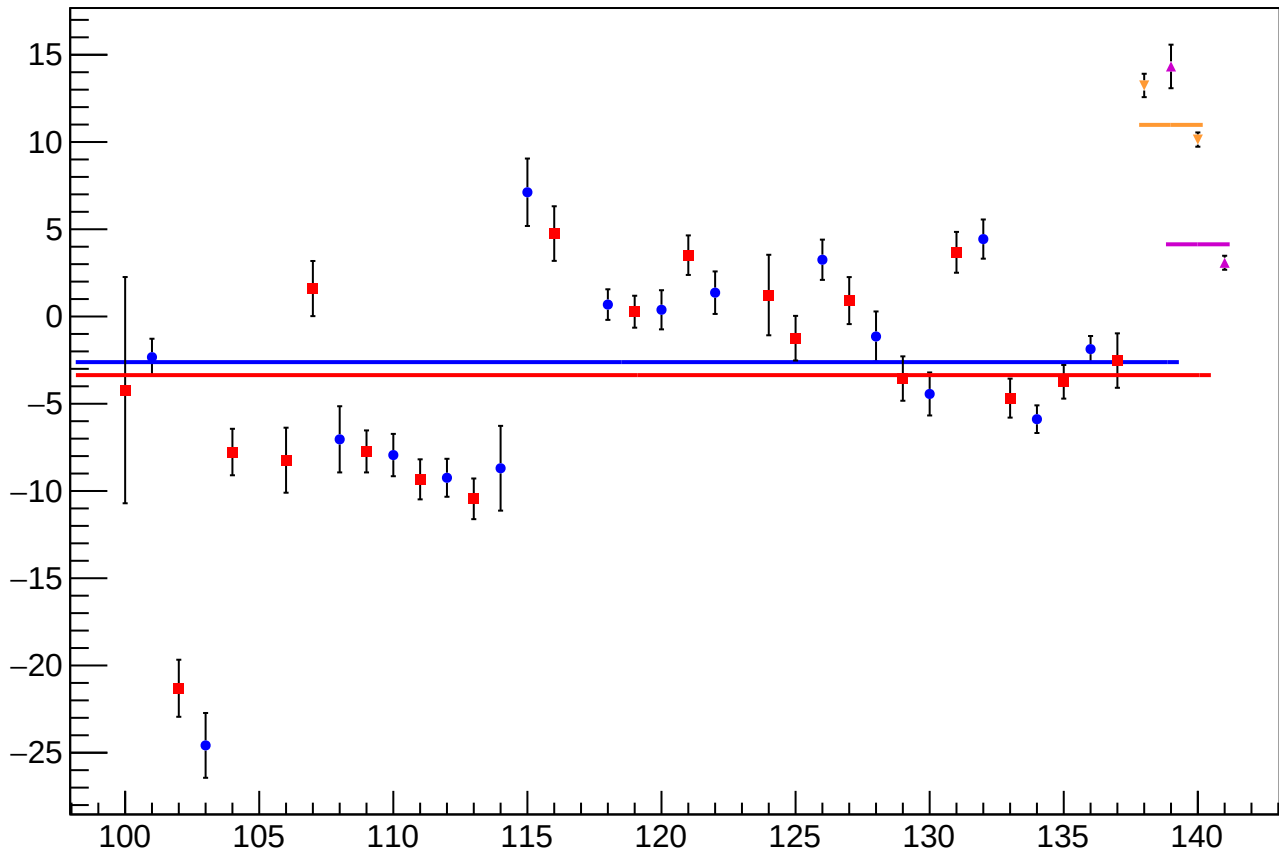
Left In: -12.526 ± 0.430 χ^2/NDF : 99.6/1

+ sign -11.315 ± 0.224 χ^2/NDF : 2458.9/17

All: -8.541 ± 0.158 χ^2/NDF : 3786.3/38

- sign -5.782 ± 0.223 χ^2/NDF : 1020.4/20

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

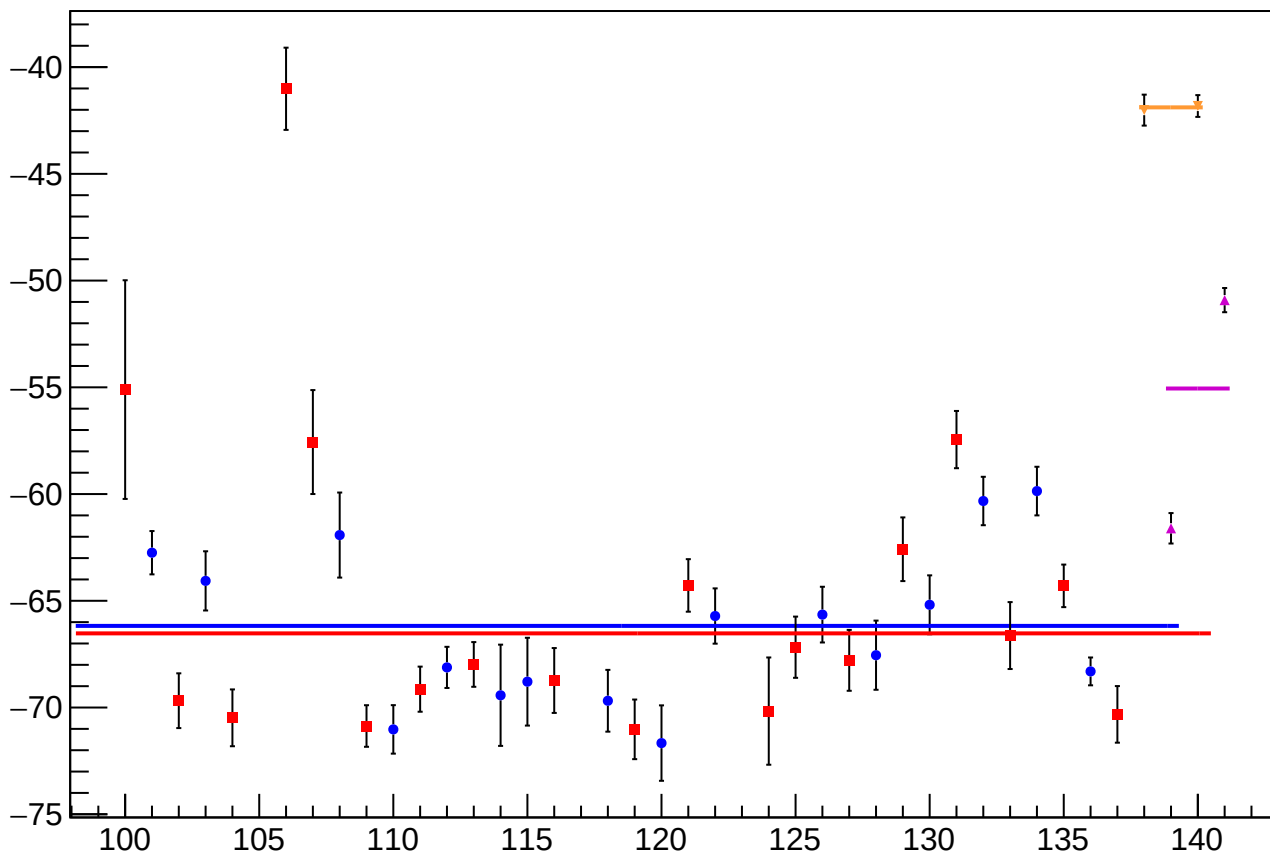
Left In: 4.137 ± 0.382 χ^2/NDF : 73.7/1

+ sign 2.839 ± 0.221 χ^2/NDF : 1275.9/17

All: 1.265 ± 0.161 χ^2/NDF : 2055.8/38

- sign -0.518 ± 0.235 χ^2/NDF : 671.9/20

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176 ± 0.304 χ^2/NDF : 129.2/15

Left Out: -41.886 ± 0.417 χ^2/NDF : 0.0/1

Right Out: -66.526 ± 0.312 χ^2/NDF : 321.7/18

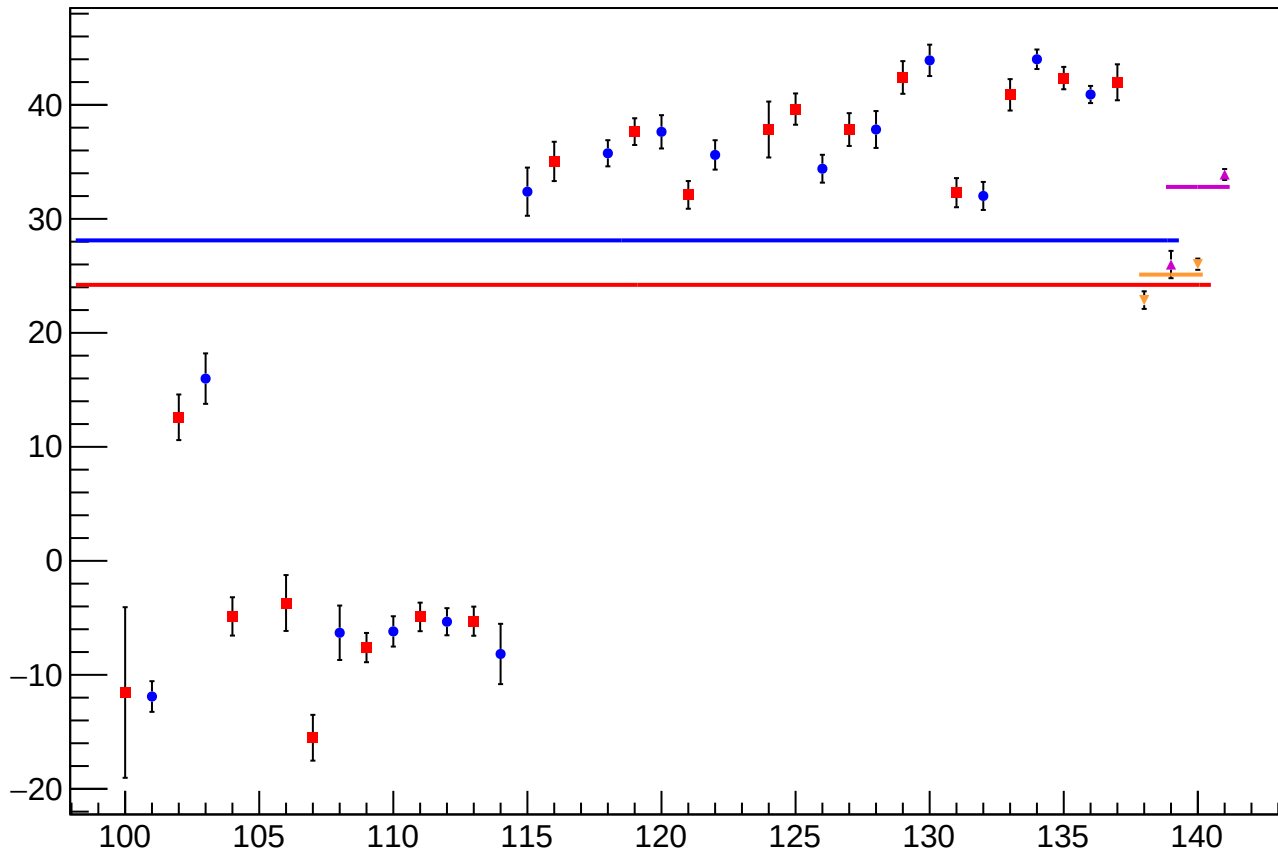
Left In: -55.055 ± 0.444 χ^2/NDF : 137.7/1

+ sign -57.744 ± 0.246 χ^2/NDF : 2340.6/17

All: -60.139 ± 0.177 χ^2/NDF : 3443.9/38

- sign -62.724 ± 0.255 χ^2/NDF : 906.0/20

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2 /NDF: 3727.7/15

Left Out: 25.111+/-0.415 χ^2 /NDF:11.8/1

Right Out: 24.212+/-0.336 χ^2 /NDF: 3841.7/18

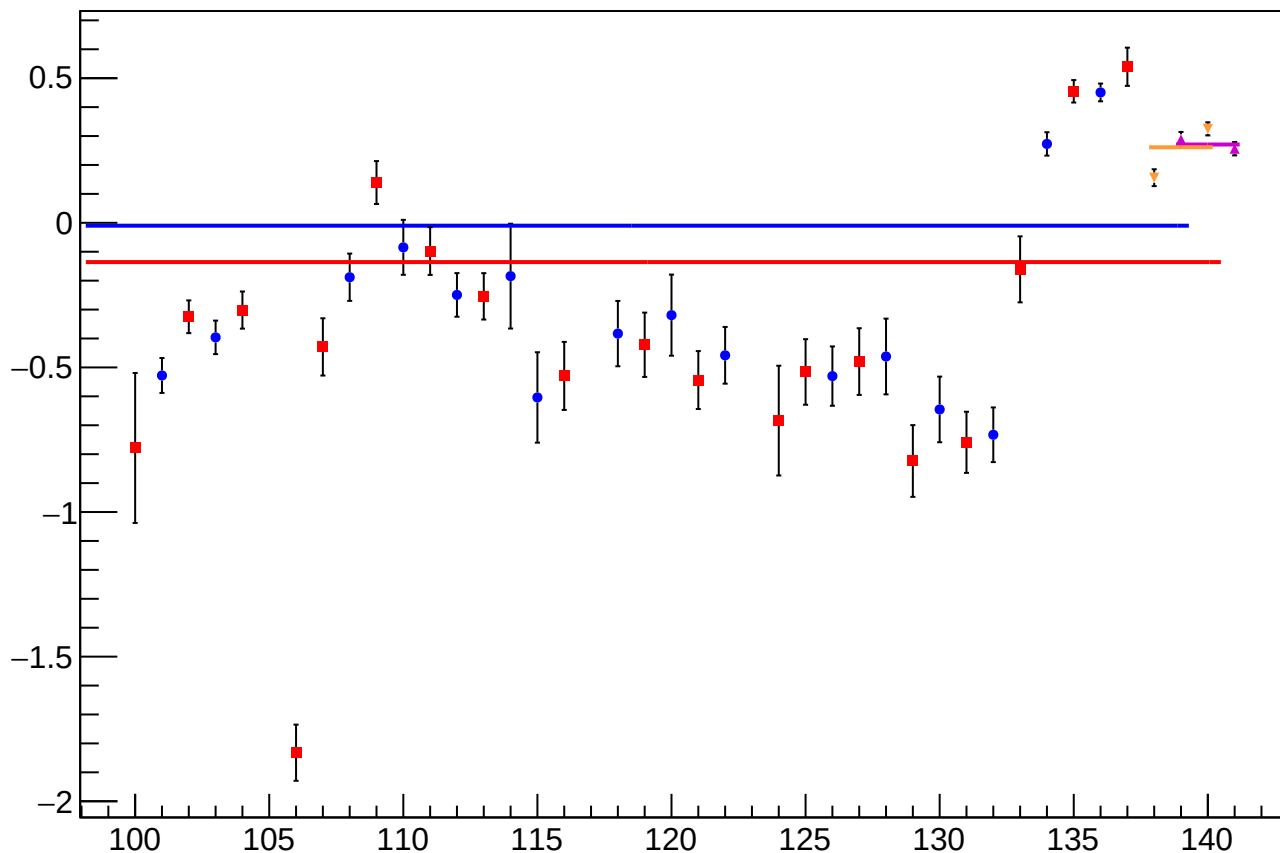
Left In: 32.803+/-0.445 χ^2 /NDF:37.5/1

+ sign 26.994+/-0.253 χ^2 /NDF: 3772.3/17

All: 27.152+/-0.184 χ^2 /NDF: 7890.1/38

- sign 27.329+/-0.268 χ^2 /NDF: 4116.9/20

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

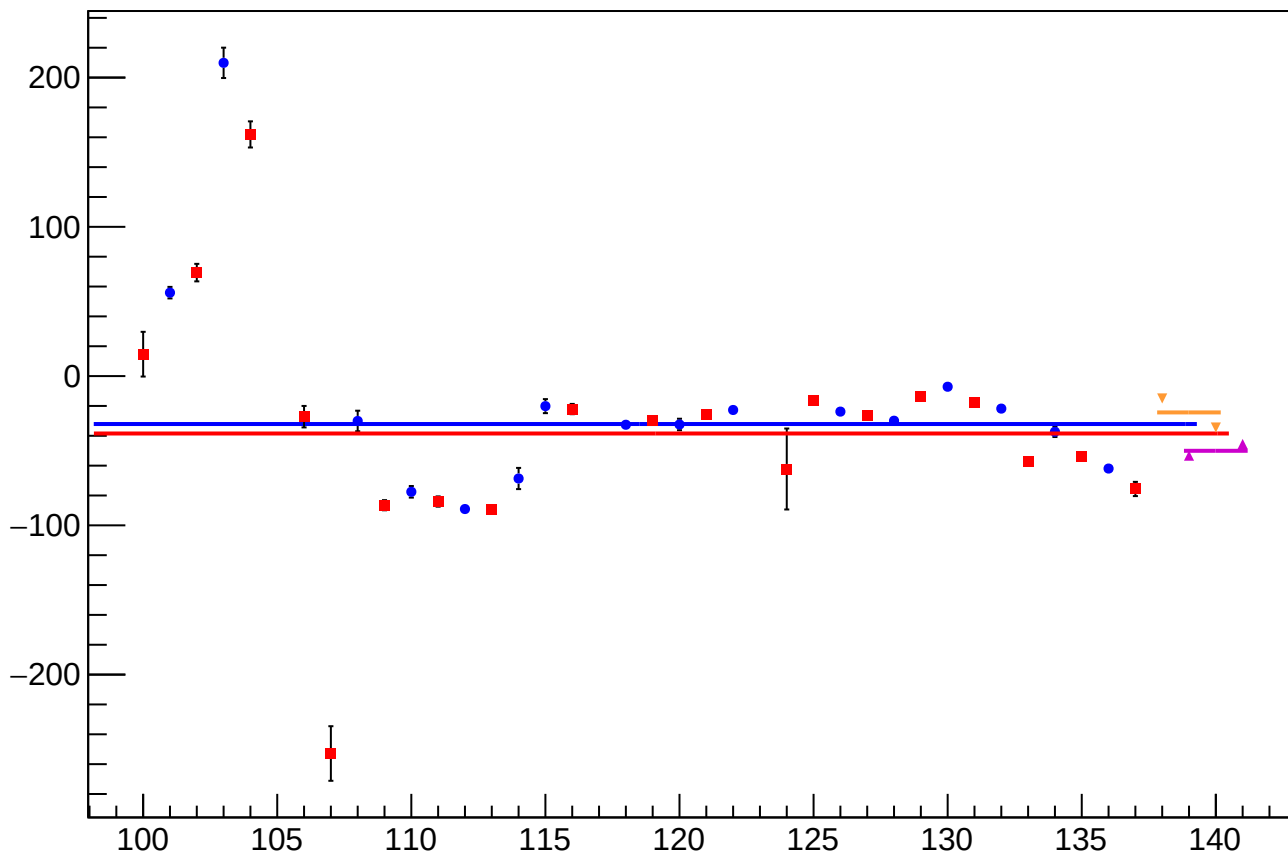
Left In: 0.271 ± 0.017 χ^2/NDF : 0.9/1

+ sign 0.121 ± 0.012 χ^2/NDF : 726.7/17

All: 0.104 ± 0.009 χ^2/NDF : 1803.9/38

- sign 0.086 ± 0.013 χ^2/NDF : 1073.3/20

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117 ± 0.843 $\chi^2/\text{NDF}: 1877.5/15$

Left Out: -24.342 ± 1.757 $\chi^2/\text{NDF}: 30.7/1$

Right Out: -38.462 ± 0.864 $\chi^2/\text{NDF}: 1972.5/18$

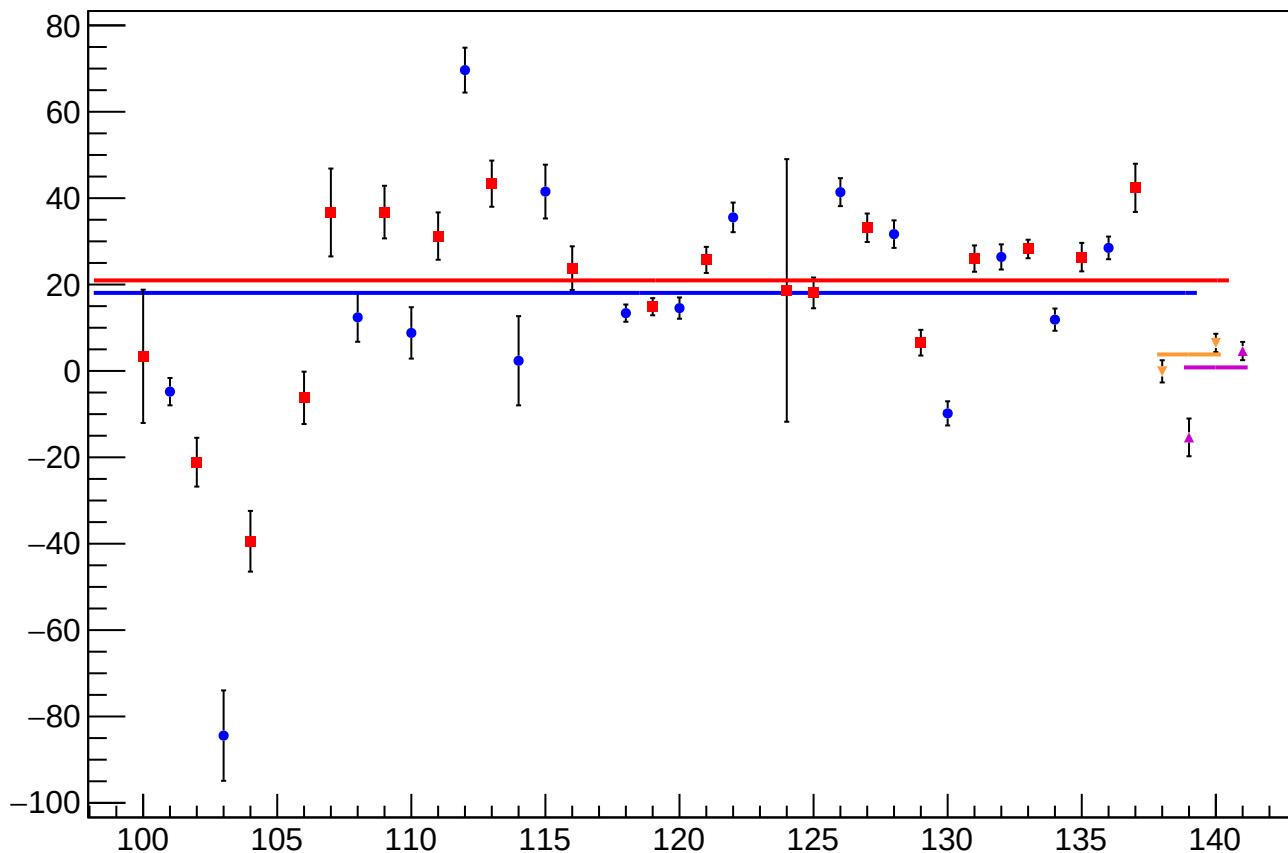
Left In: -50.059 ± 1.856 $\chi^2/\text{NDF}: 4.3/1$

+ sign -30.663 ± 0.760 $\chi^2/\text{NDF}: 1924.1/17$

All: -35.445 ± 0.546 $\chi^2/\text{NDF}: 4014.7/38$

- sign -40.530 ± 0.784 $\chi^2/\text{NDF}: 2009.0/20$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068 +/- 0.823 χ^2/NDF : 499.6/15

Left Out: 3.819 +/- 1.636 χ^2/NDF : 3.9/1

Right Out: 20.959 +/- 0.868 χ^2/NDF : 262.6/18

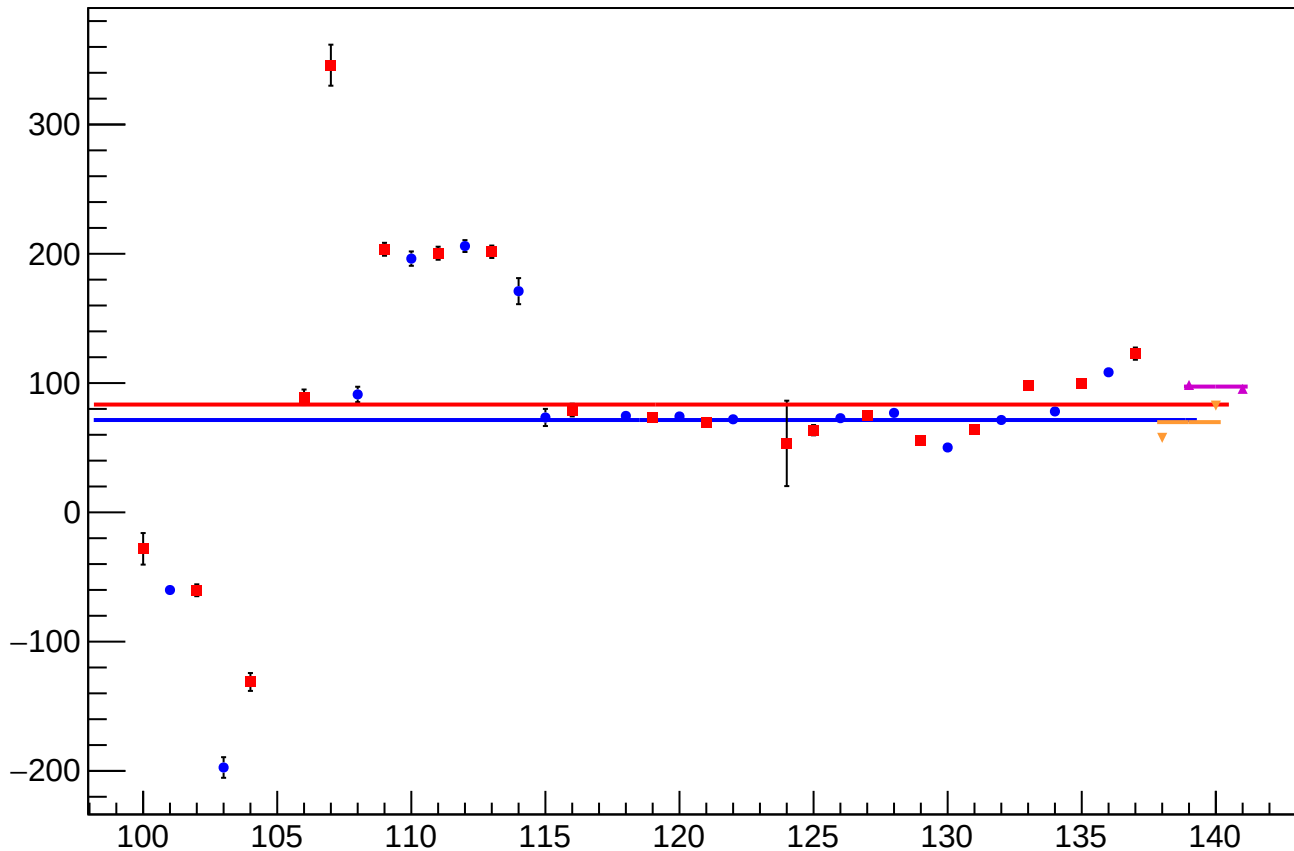
Left In: 0.816 +/- 1.903 χ^2/NDF : 17.0/1

+ sign 15.192 +/- 0.735 χ^2/NDF : 564.0/17

All: 16.257 +/- 0.538 χ^2/NDF : 940.9/38

- sign 17.487 +/- 0.790 χ^2/NDF : 372.3/20

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF : 4819.6/15

Left Out: 69.797+/-1.822 χ^2/NDF : 46.8/1

Right Out: 83.385+/-0.985 χ^2/NDF : 4297.3/18

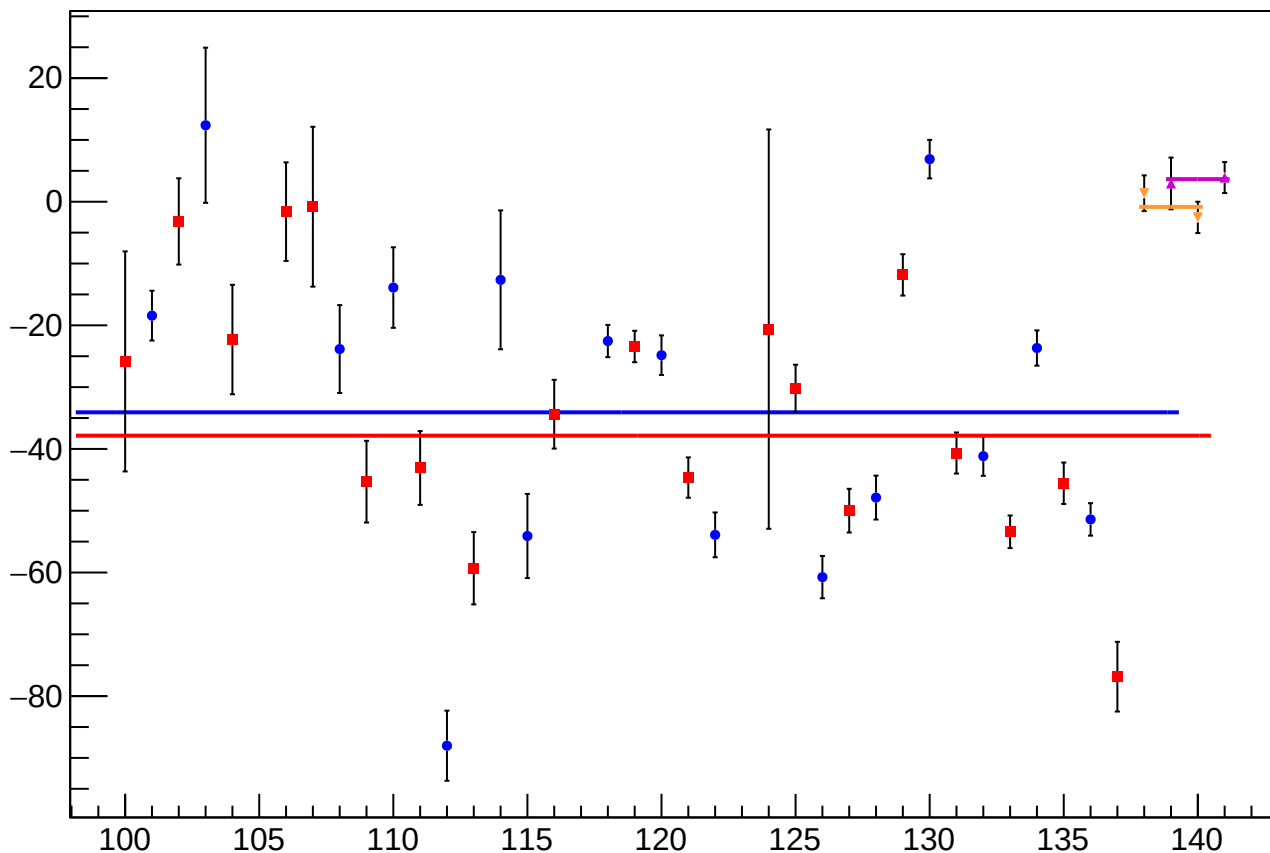
Left In: 97.281+/-1.922 χ^2/NDF : 0.6/1

+ sign 71.085+/-0.829 χ^2/NDF : 4867.0/17

All: 78.257+/-0.602 χ^2/NDF : 9364.9/38

- sign 86.277+/-0.877 χ^2/NDF : 4339.3/20

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077 ± 0.942 χ^2/NDF : 511.2/15

Left Out: -0.834 ± 1.908 χ^2/NDF : 1.0/1

Right Out: -37.855 ± 0.994 χ^2/NDF : 274.6/18

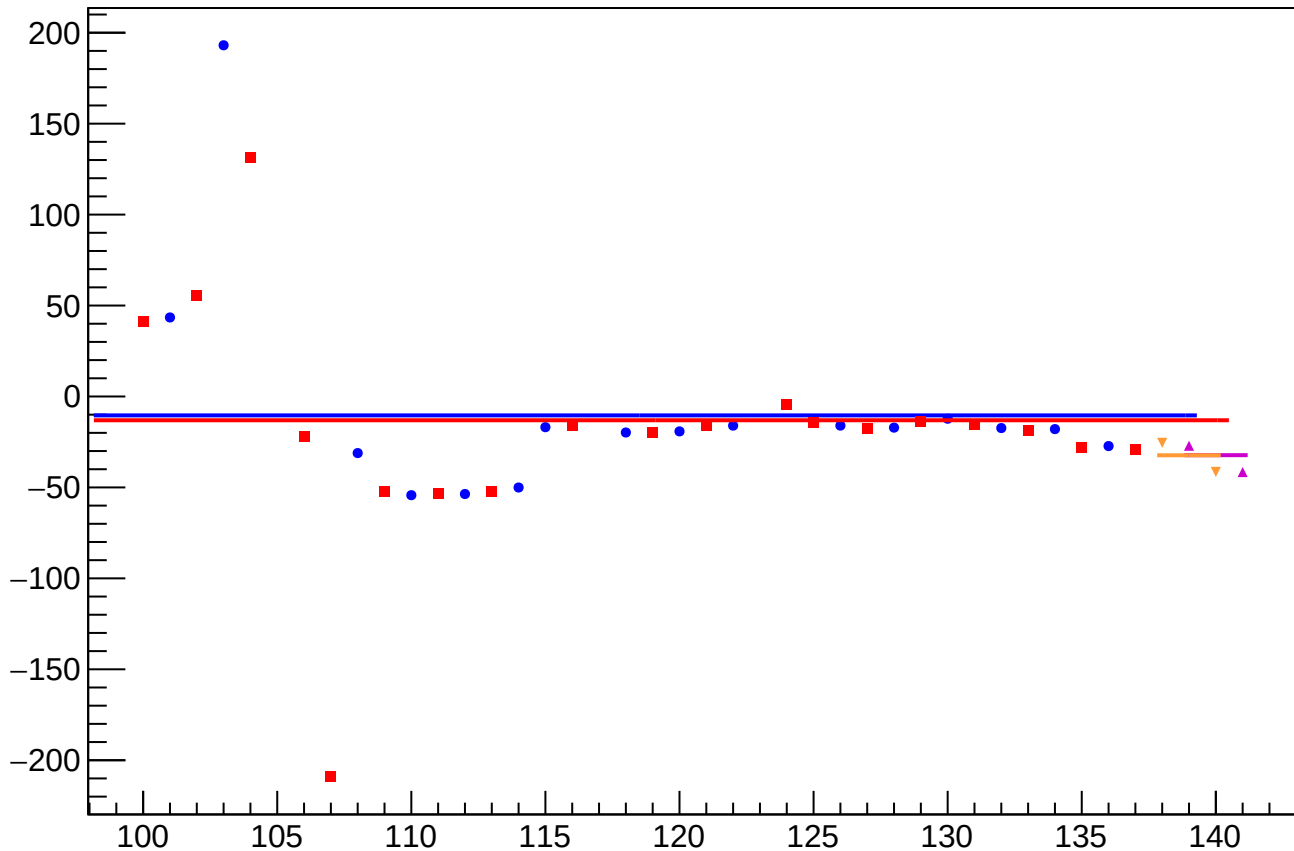
Left In: 3.661 ± 2.152 χ^2/NDF : 0.0/1

+ sign -27.559 ± 0.845 χ^2/NDF : 756.3/17

All: -28.959 ± 0.617 χ^2/NDF : 1343.6/38

- sign -30.556 ± 0.902 χ^2/NDF : 581.5/20

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400 ± 0.057 $\chi^2/\text{NDF}: 522334.6/15$

Left Out: -32.329 ± 0.076 $\chi^2/\text{NDF}: 10915.1/1$

Right Out: -13.074 ± 0.063 $\chi^2/\text{NDF}: 449609.3/18$

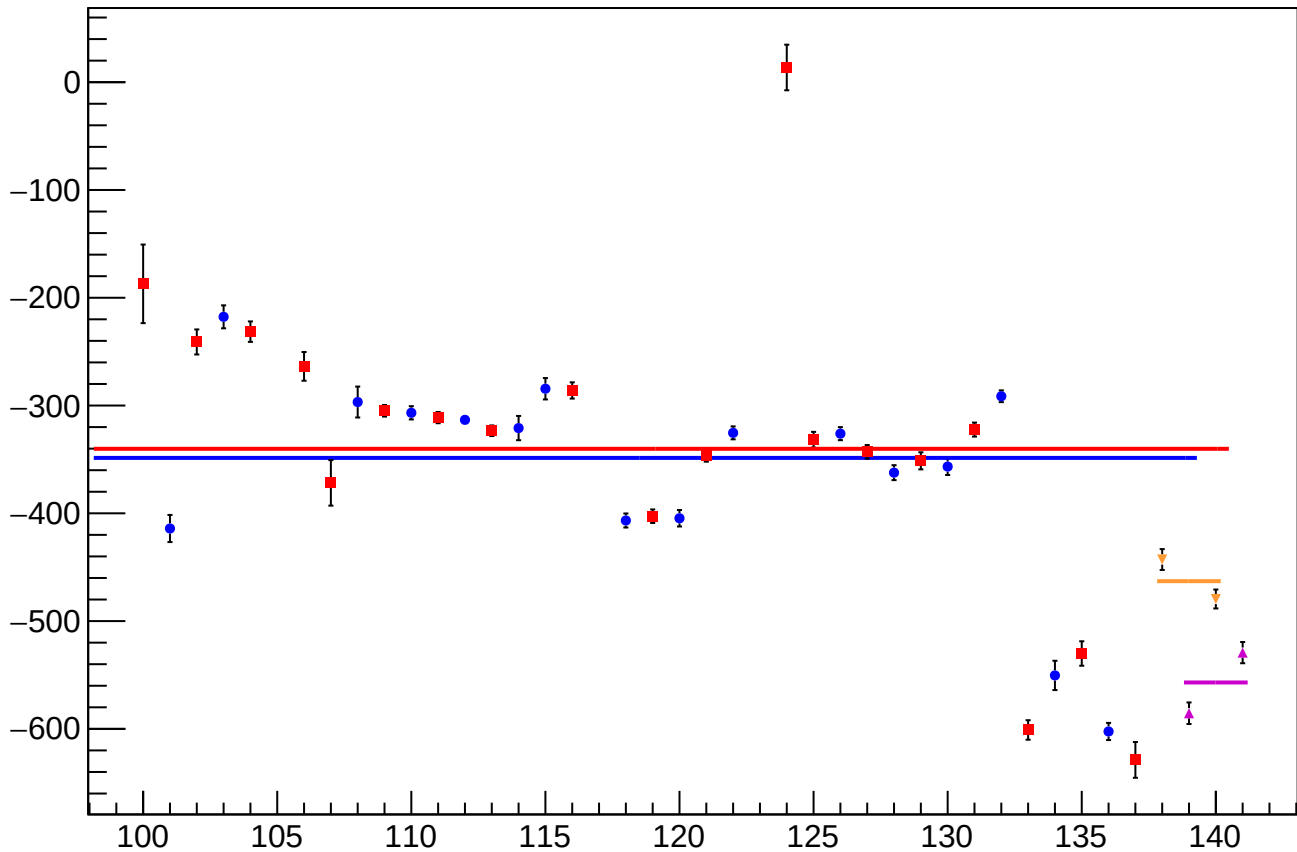
Left In: -32.272 ± 0.072 $\chi^2/\text{NDF}: 9270.4/1$

+ sign -18.294 ± 0.045 $\chi^2/\text{NDF}: 586868.5/17$

All: -19.748 ± 0.033 $\chi^2/\text{NDF}: 1088261.1/38$

- sign -21.322 ± 0.047 $\chi^2/\text{NDF}: 499262.3/20$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF : 1858.3/15

Left Out: -462.960+/-6.506 χ^2/NDF : 7.8/1

Right Out: -340.144+/-1.759 χ^2/NDF : 2197.1/18

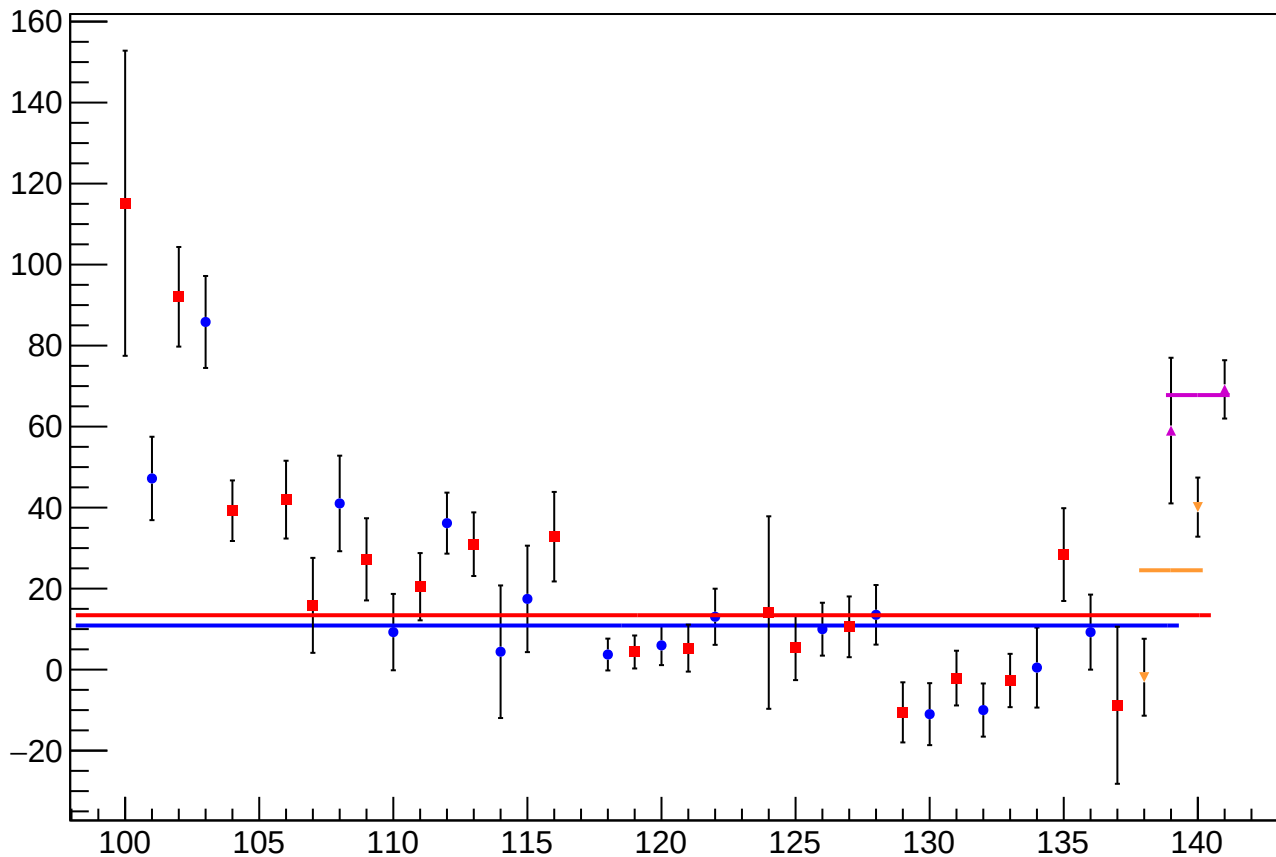
Left In: -556.956+/-7.022 χ^2/NDF : 16.0/1

+ sign -356.927+/-1.757 χ^2/NDF : 2152.6/17

All: -354.881+/-1.224 χ^2/NDF : 5265.4/38

- sign -352.951+/-1.707 χ^2/NDF : 3110.1/20

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888 ± 1.843 $\chi^2/\text{NDF}: 98.2/15$

Left Out: 24.527 ± 5.787 $\chi^2/\text{NDF}: 12.3/1$

Right Out: 13.427 ± 1.854 $\chi^2/\text{NDF}: 112.4/18$

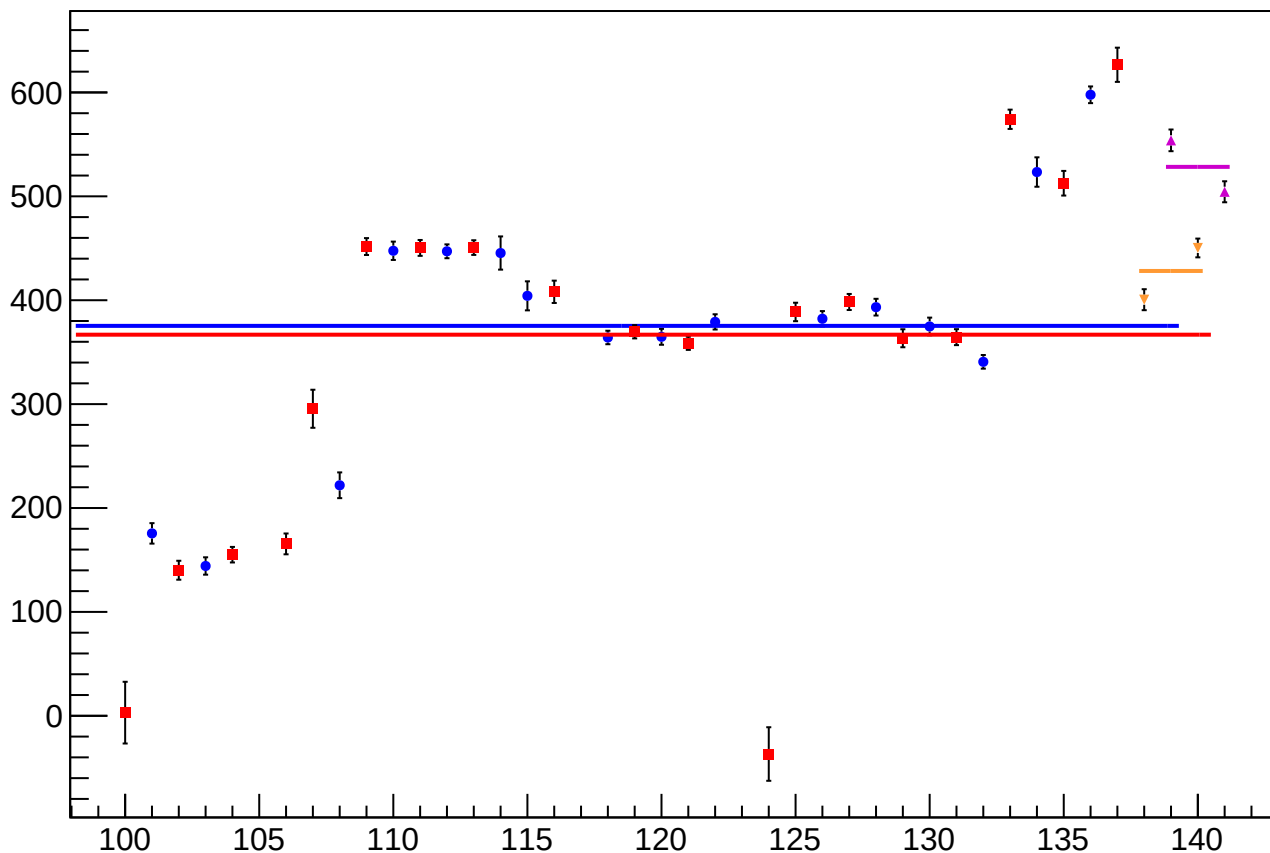
Left In: 67.782 ± 6.685 $\chi^2/\text{NDF}: 0.3/1$

+ sign 12.144 ± 1.756 $\chi^2/\text{NDF}: 115.6/17$

All: 14.682 ± 1.252 $\chi^2/\text{NDF}: 293.9/38$

- sign 17.311 ± 1.787 $\chi^2/\text{NDF}: 174.1/20$

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

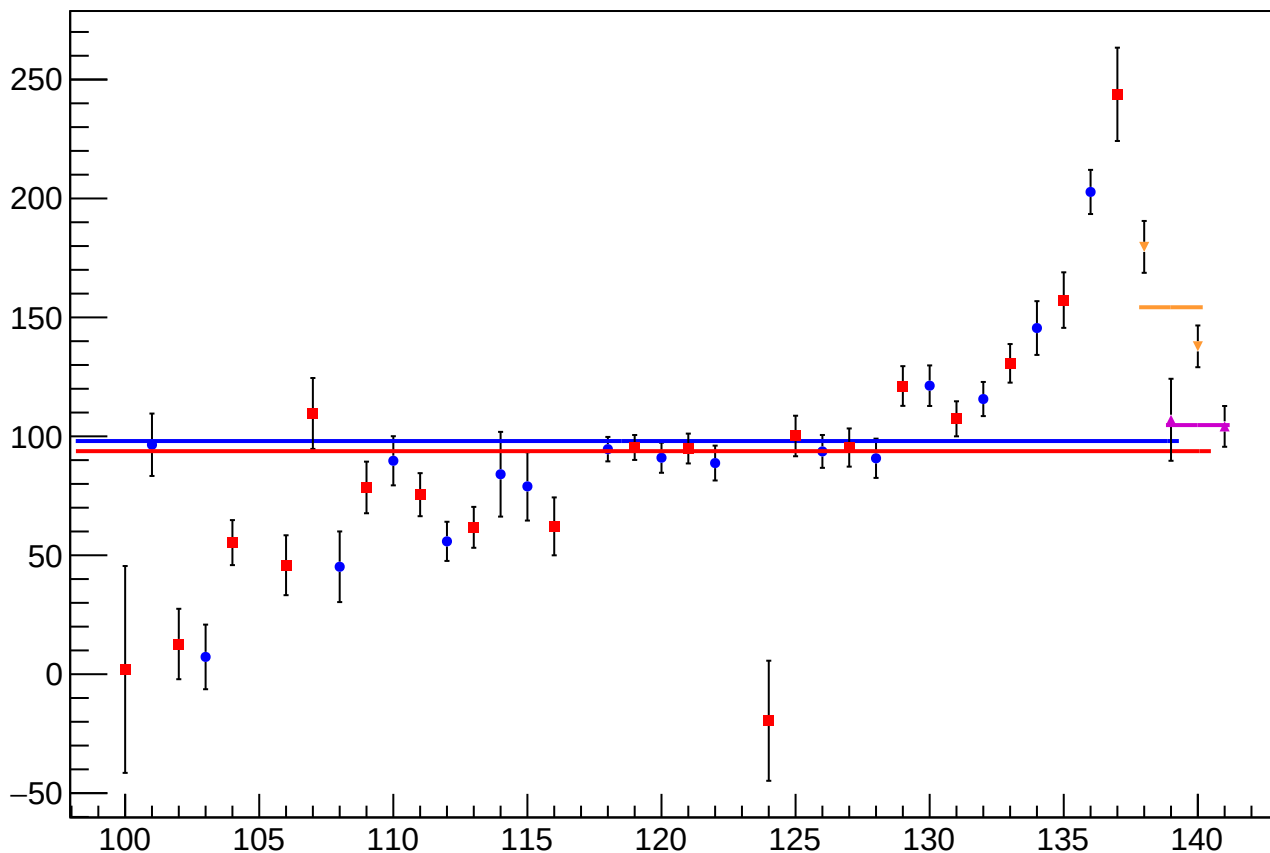
Left In: 528.360 $\pm$ 7.261 χ^2 /NDF:11.6/1

+ sign 380.017 $\pm$ 2.007 χ^2 /NDF: 2519.1/17

All: 379.372 $\pm$ 1.407 χ^2 /NDF: 6530.4/38

- sign 378.749 $\pm$ 1.972 χ^2 /NDF: 4011.1/20

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021±/-2.144 χ^2/NDF : 249.5/15

Left Out: 154.268±/-6.836 χ^2/NDF : 8.9/1

Right Out: 93.771±/-2.138 χ^2/NDF : 237.1/18

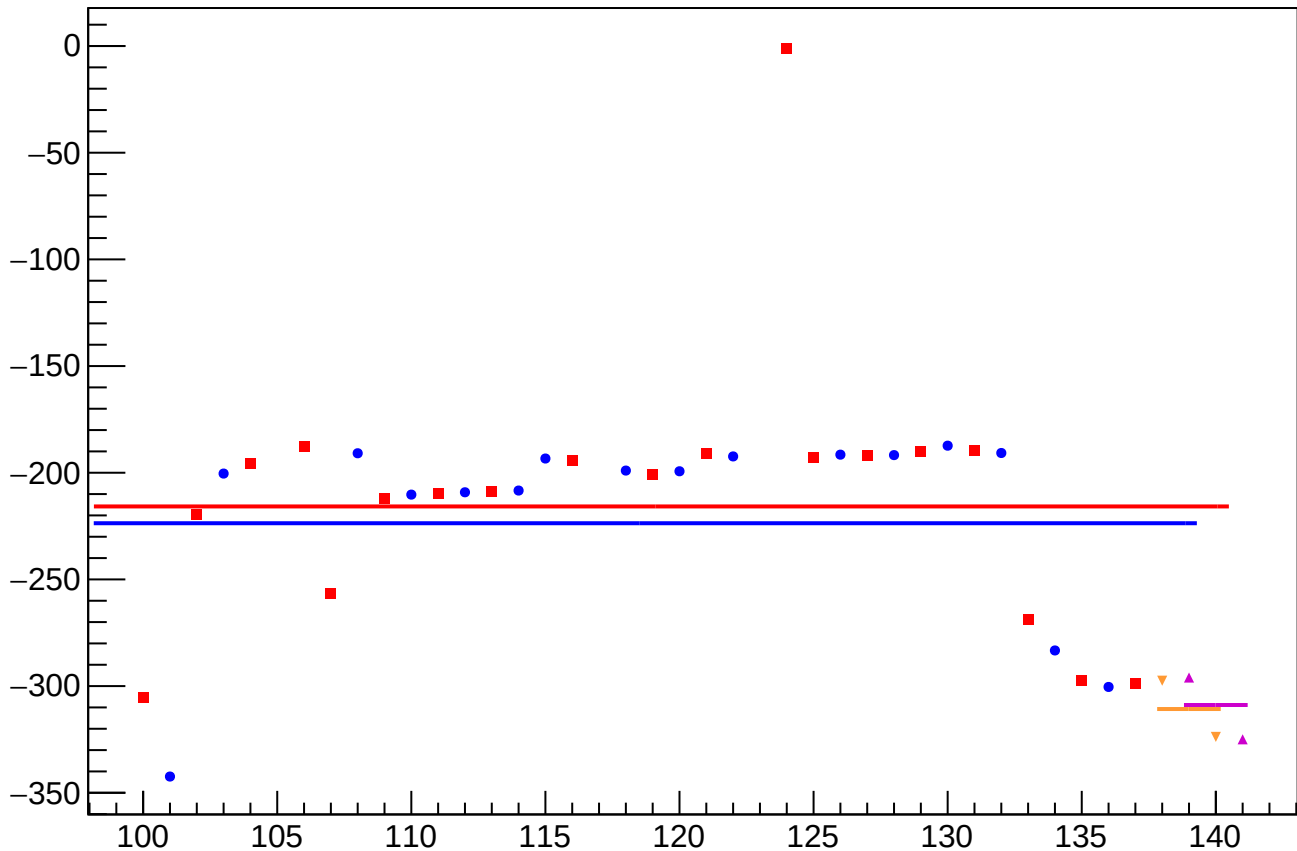
Left In: 104.732±/-7.676 χ^2/NDF : 0.0/1

+ sign 103.058±/-2.046 χ^2/NDF : 320.0/17

All: 98.839±/-1.452 χ^2/NDF : 567.6/38

- sign 94.560±/-2.060 χ^2/NDF : 239.1/20

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF : 121528.3/15

Left Out: -310.748+/-0.286 χ^2/NDF : 2116.7/1

Right Out: -215.797+/-0.134 χ^2/NDF : 81516.6/18

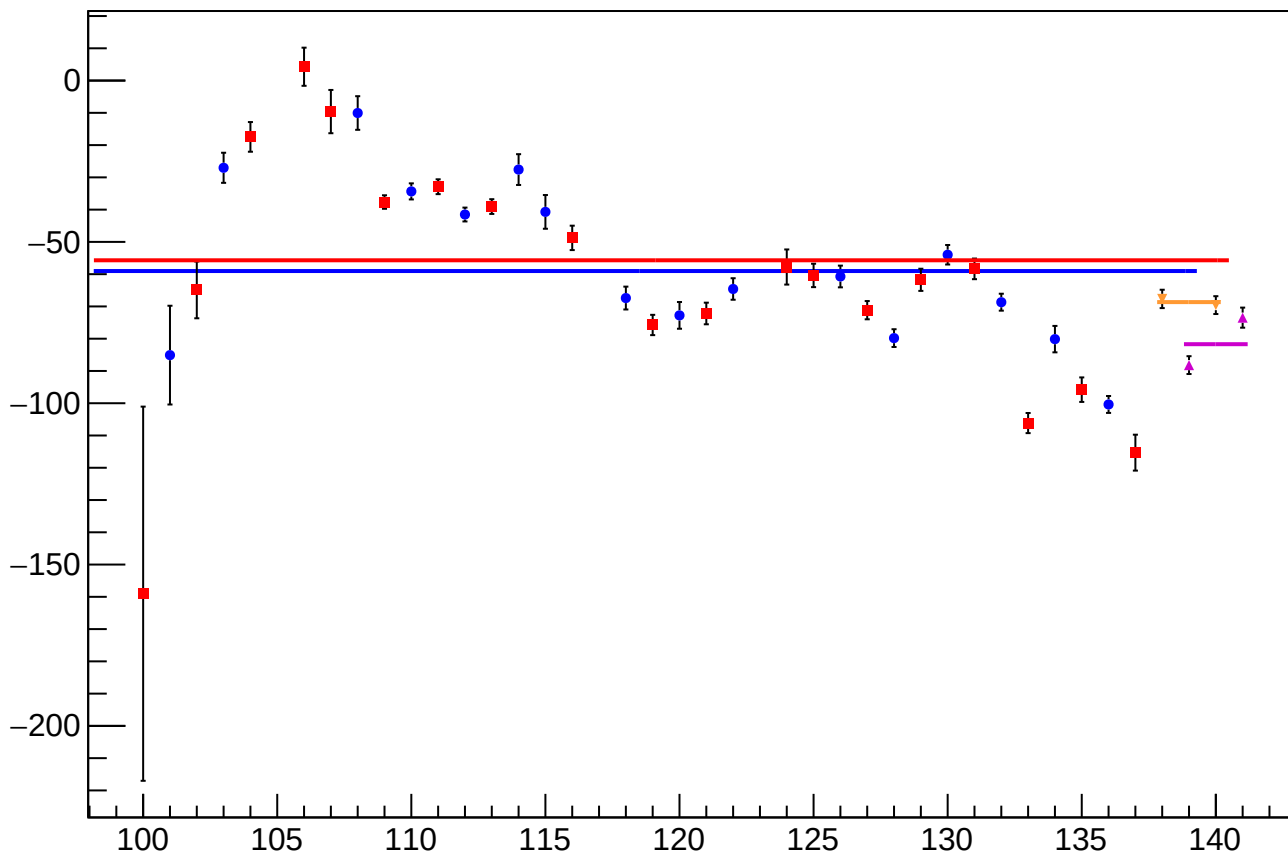
Left In: -308.863+/-0.277 χ^2/NDF : 2701.2/1

+ sign -240.149+/-0.125 χ^2/NDF : 198703.3/17

All: -236.739+/-0.087 χ^2/NDF : 375866.0/38

- sign -233.527+/-0.121 χ^2/NDF : 175706.4/20

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030 ± 0.829 χ^2/NDF : 727.3/15

Left Out: -68.657 ± 1.982 χ^2/NDF : 0.2/1

Right Out: -55.701 ± 0.790 χ^2/NDF : 1041.1/18

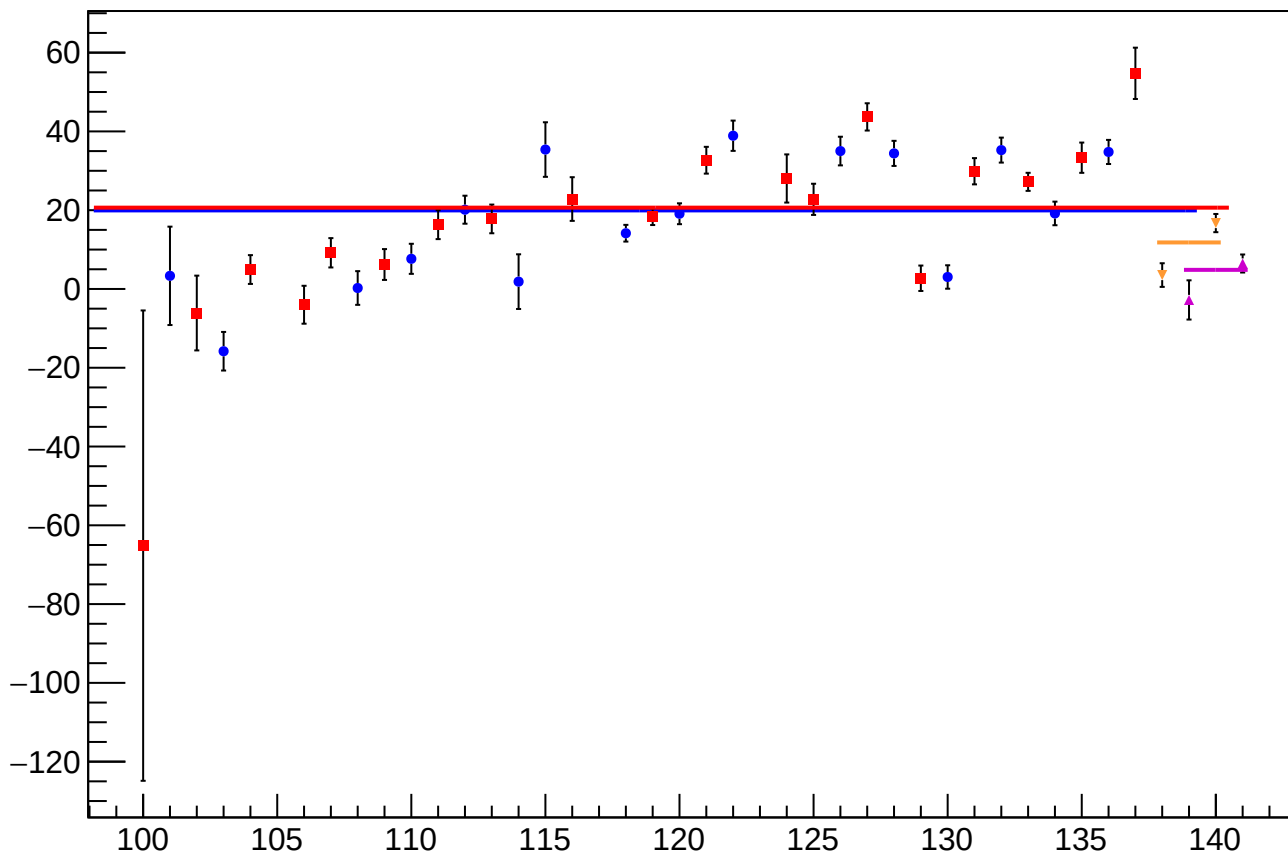
Left In: -81.702 ± 2.066 χ^2/NDF : 12.5/1

+ sign -60.464 ± 0.765 χ^2/NDF : 747.6/17

All: -59.715 ± 0.531 χ^2/NDF : 1941.3/38

- sign -59.017 ± 0.738 χ^2/NDF : 1191.8/20

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

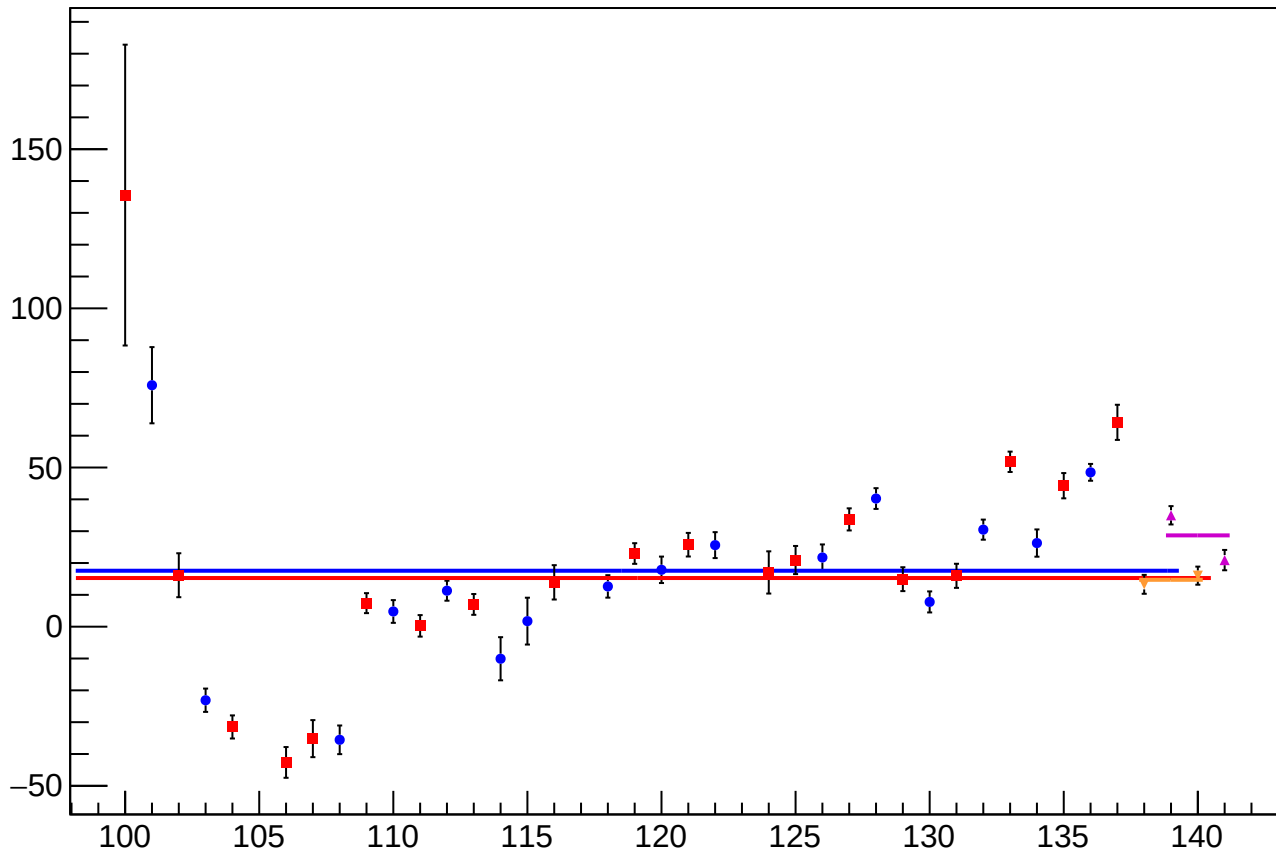
Left In: 4.851 $\pm$ 2.079 χ^2 /NDF:2.8/1

+ sign 18.455 $\pm$ 0.784 χ^2 /NDF: 275.4/17

All: 18.432 $\pm$ 0.554 χ^2 /NDF: 552.6/38

- sign 18.410 $\pm$ 0.782 χ^2 /NDF: 277.1/20

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

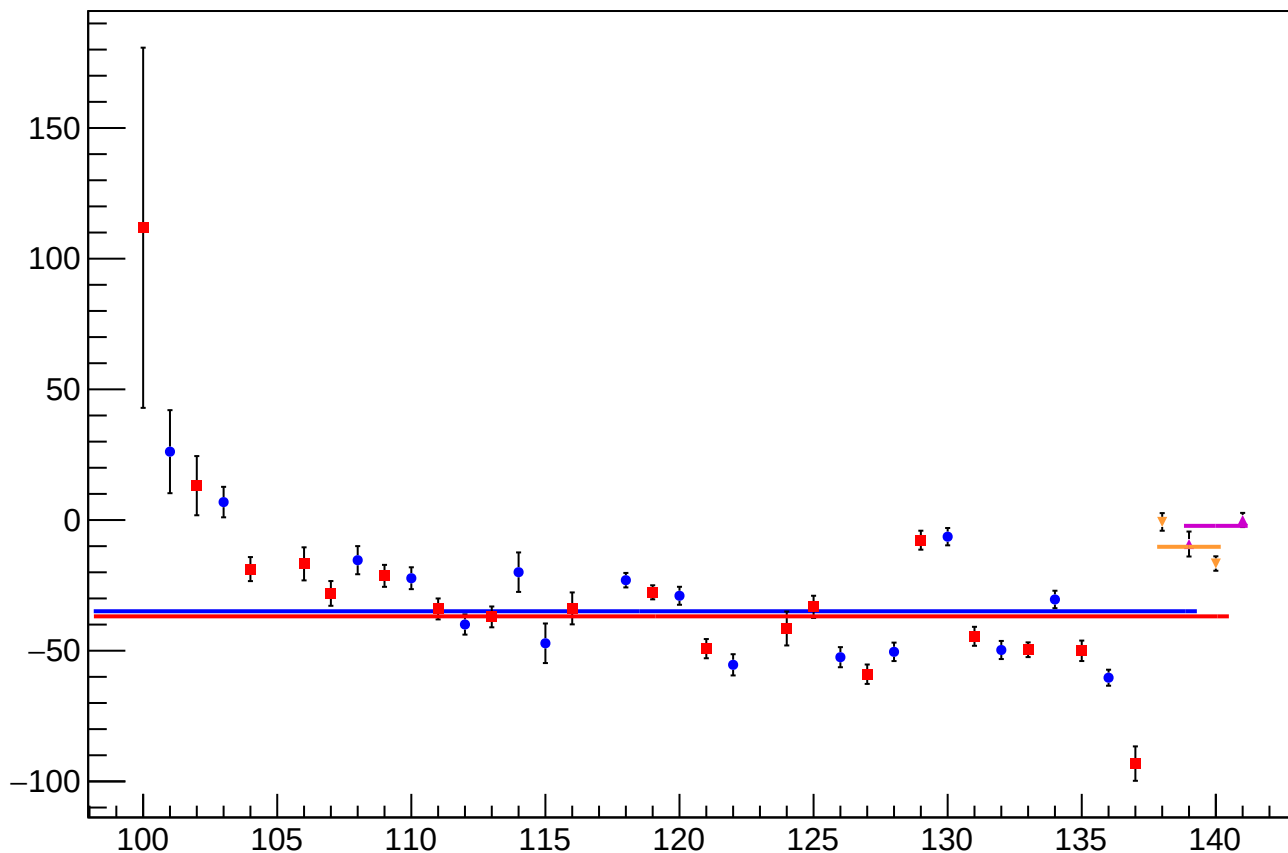
Left In: 28.679 $\pm$ 2.138 χ^2 /NDF: 10.7/1

+ sign 17.066 $\pm$ 0.867 χ^2 /NDF: 548.2/17

All: 17.250 $\pm$ 0.609 χ^2 /NDF: 1322.0/38

- sign 17.429 $\pm$ 0.856 χ^2 /NDF: 773.7/20

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899 ± 0.990 χ^2/NDF : 346.6/15

Left Out: -10.240 ± 2.139 χ^2/NDF : 13.3/1

Right Out: -36.853 ± 0.970 χ^2/NDF : 301.4/18

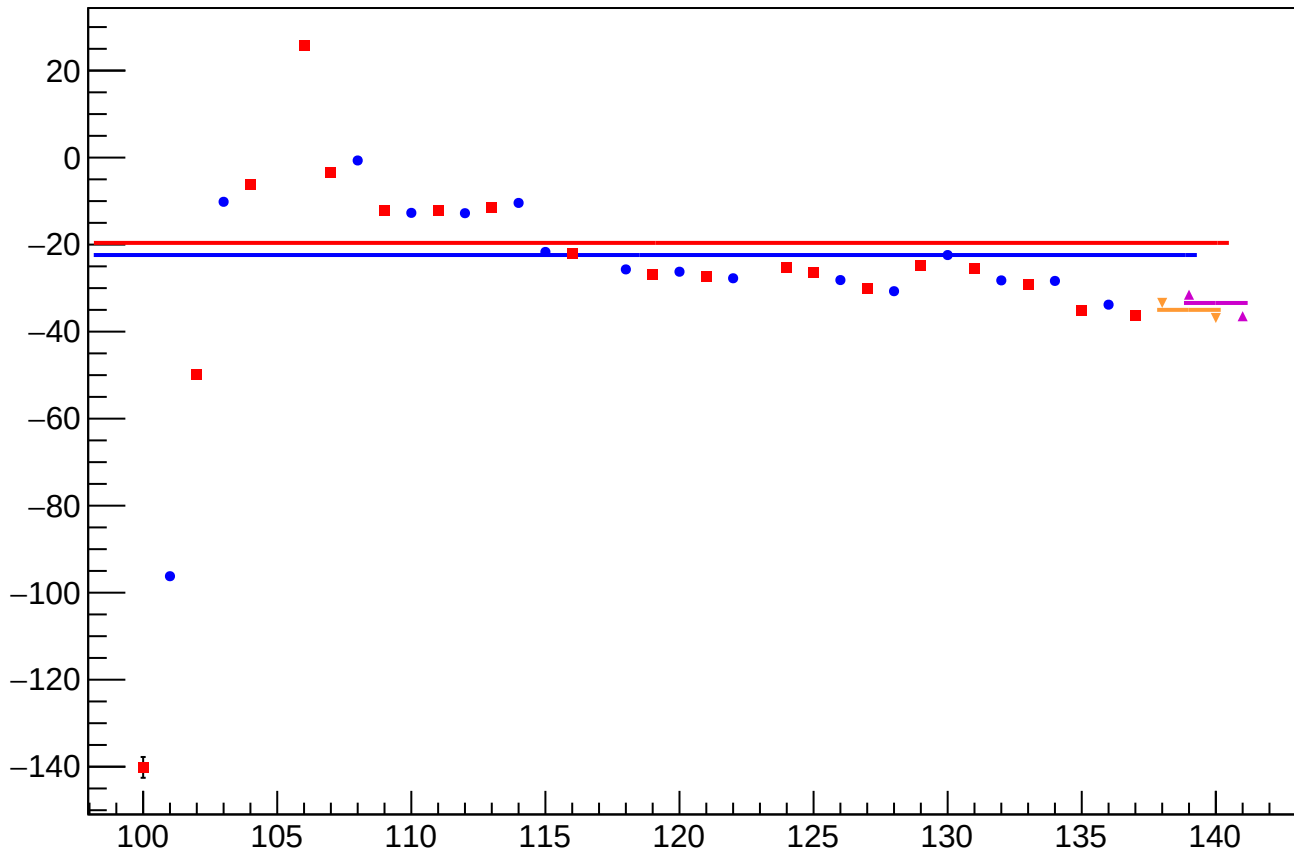
Left In: -2.226 ± 2.359 χ^2/NDF : 2.8/1

+ sign -30.548 ± 0.899 χ^2/NDF : 469.3/17

All: -31.200 ± 0.635 χ^2/NDF : 959.0/38

- sign -31.850 ± 0.897 χ^2/NDF : 488.6/20

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394±/0.058 χ^2/NDF : 46519.7/15

Left Out: -34.997±/0.086 χ^2/NDF :407.7/1

Right Out: -19.605±/0.059 χ^2/NDF : 83865.7/18

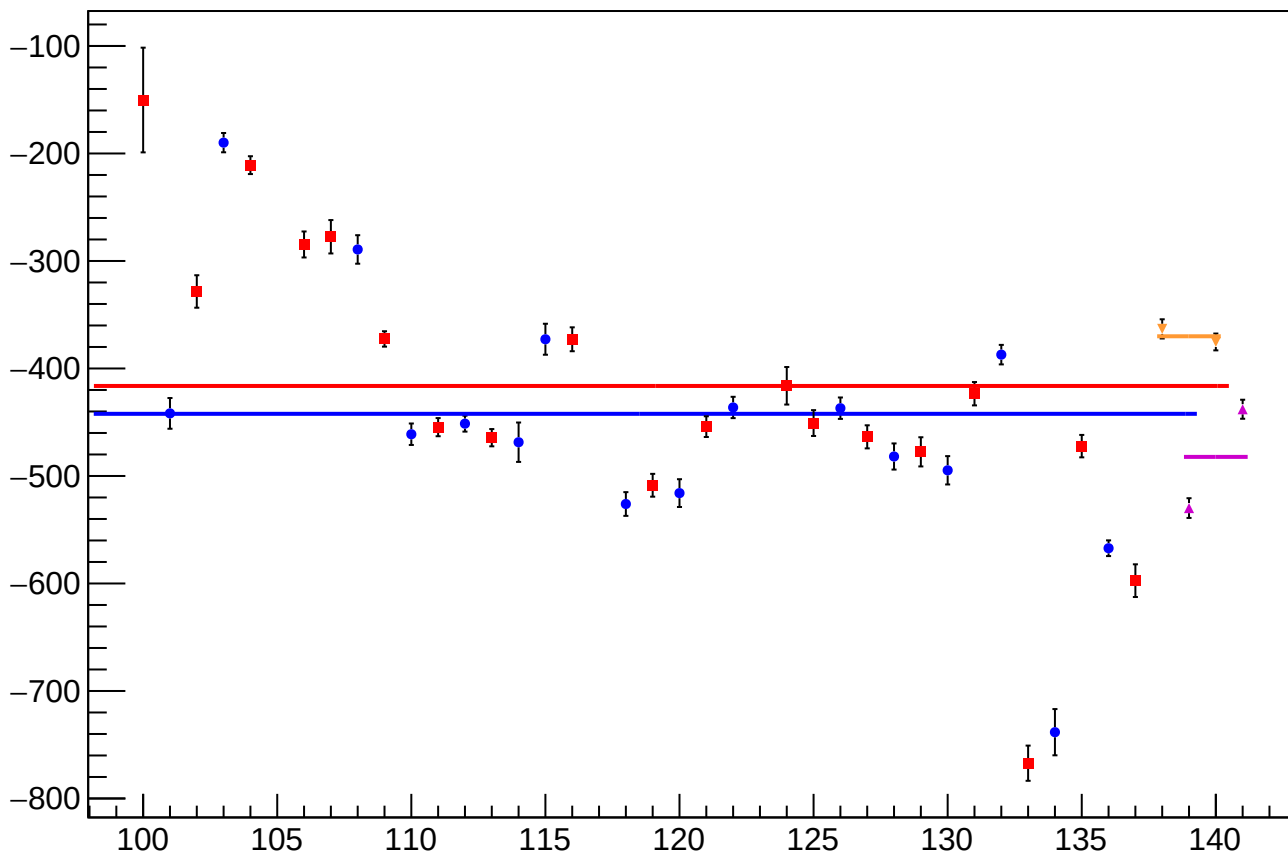
Left In: -33.413±/0.081 χ^2/NDF :890.6/1

+ sign -26.381±/0.048 χ^2/NDF : 61717.1/17

All: -25.418±/0.034 χ^2/NDF : 166266.0/38

- sign -24.468±/0.048 χ^2/NDF : 103755.8/20

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182 ± 2.682 χ^2/NDF : 1589.1/15

Left Out: -370.050 ± 5.885 χ^2/NDF : 1.1/1

Right Out: -416.259 ± 2.523 χ^2/NDF : 1753.8/18

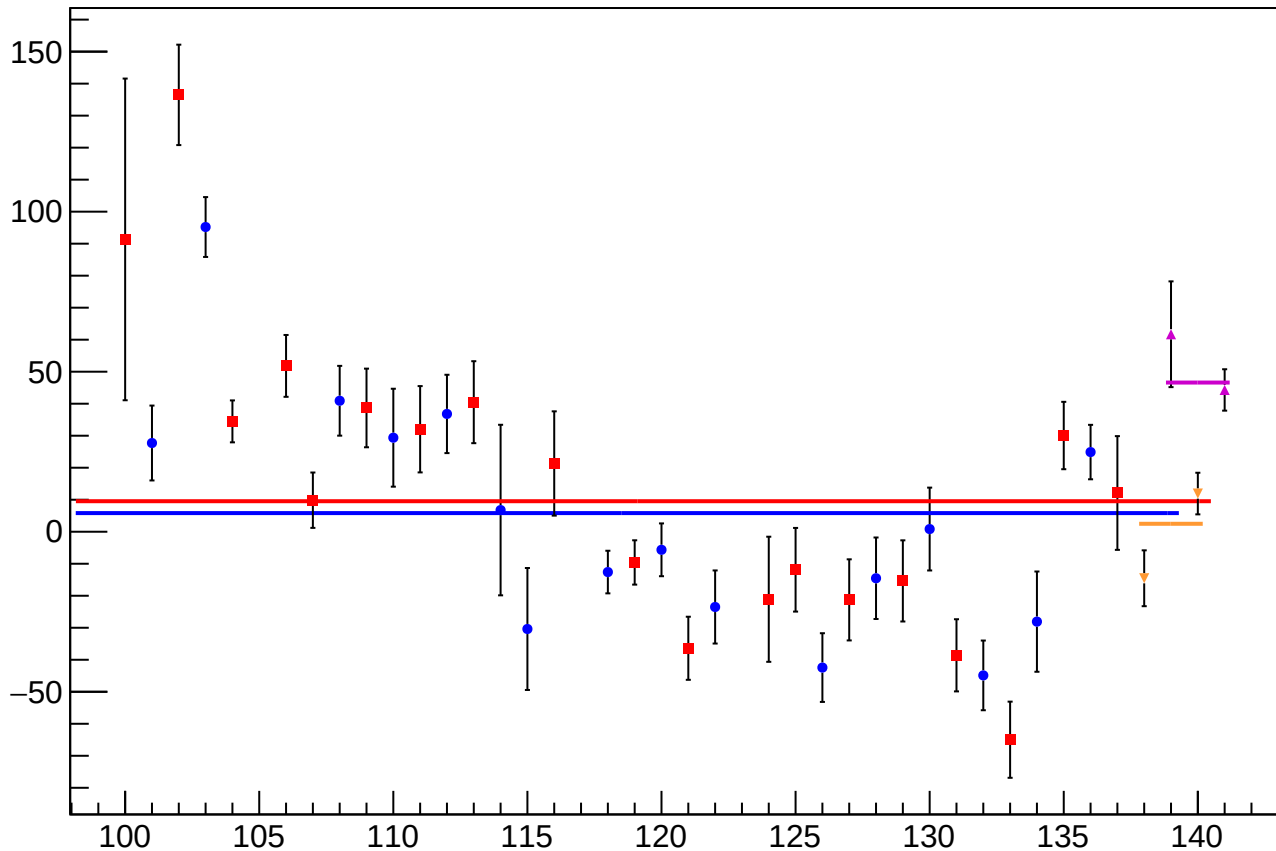
Left In: -482.245 ± 6.369 χ^2/NDF : 52.0/1

+ sign -429.778 ± 2.440 χ^2/NDF : 1714.6/17

All: -427.401 ± 1.691 χ^2/NDF : 3615.0/38

- sign -425.205 ± 2.345 χ^2/NDF : 1898.6/20

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824 ± 2.728 χ^2/NDF : 188.1/15

Left Out: 2.484 ± 5.213 χ^2/NDF : 5.9/1

Right Out: 9.536 ± 2.556 χ^2/NDF : 222.2/18

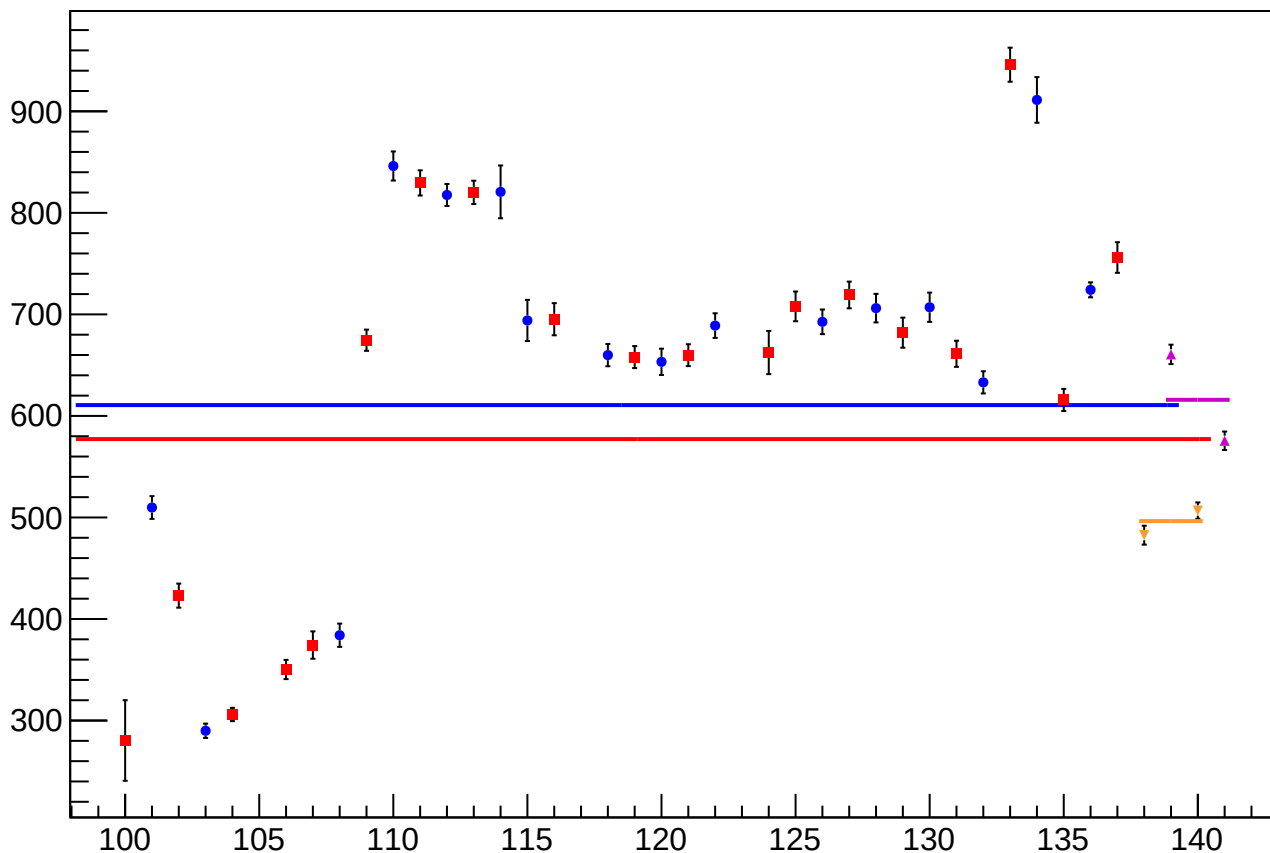
Left In: 46.610 ± 6.021 χ^2/NDF : 1.0/1

+ sign 5.106 ± 2.417 χ^2/NDF : 194.4/17

All: 10.287 ± 1.686 χ^2/NDF : 458.6/38

- sign 15.198 ± 2.353 χ^2/NDF : 255.2/20

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

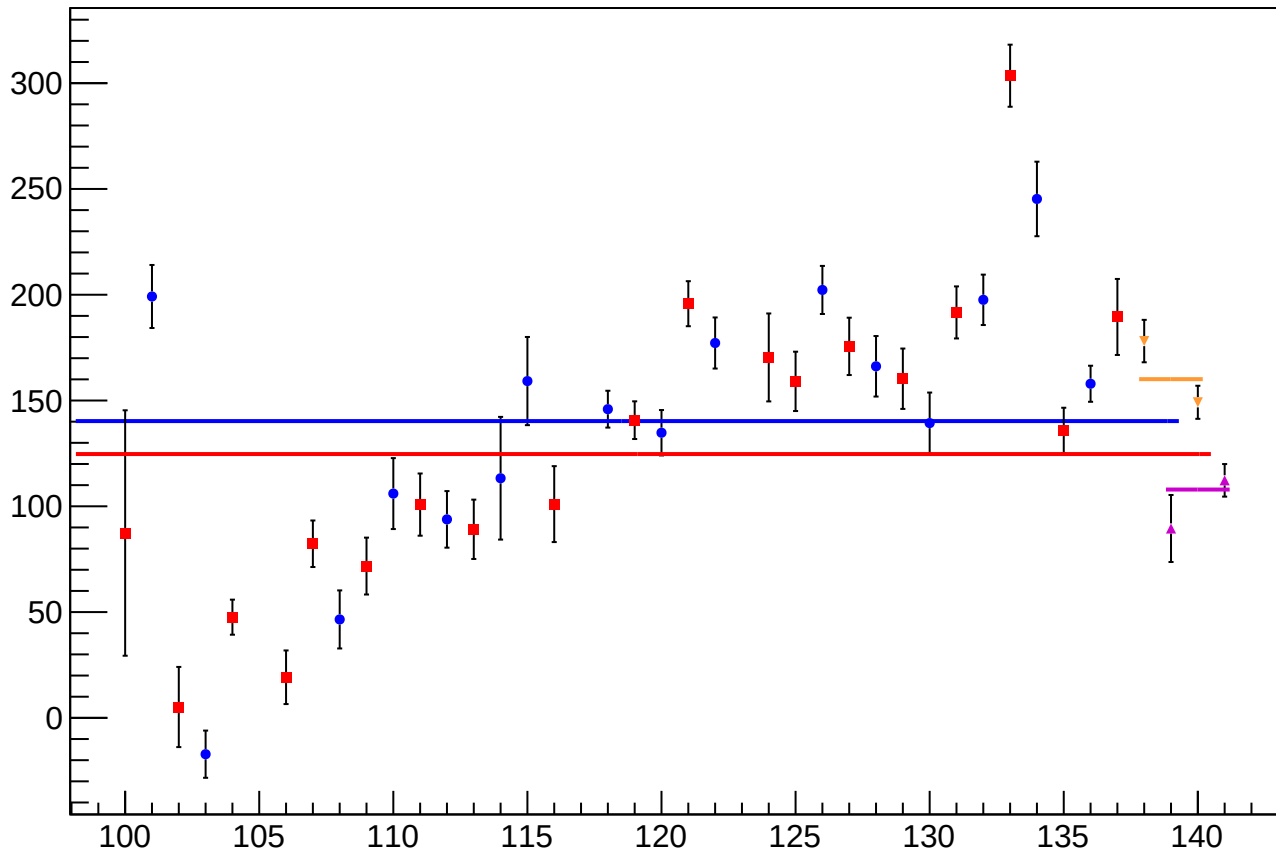
Left In: 615.878 $\pm$ 6.584 χ^2 /NDF: 41.6/1

+ sign 589.634 $\pm$ 2.613 χ^2 /NDF: 4183.6/17

All: 586.209 $\pm$ 1.822 χ^2 /NDF: 9058.2/38

- sign 582.968 $\pm$ 2.541 χ^2 /NDF: 4871.3/20

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278 $\pm$ 3.151 χ^2 /NDF: 385.4/15

Left Out: 160.100 $\pm$ 6.165 χ^2 /NDF: 5.2/1

Right Out: 124.697 $\pm$ 2.979 χ^2 /NDF: 508.5/18

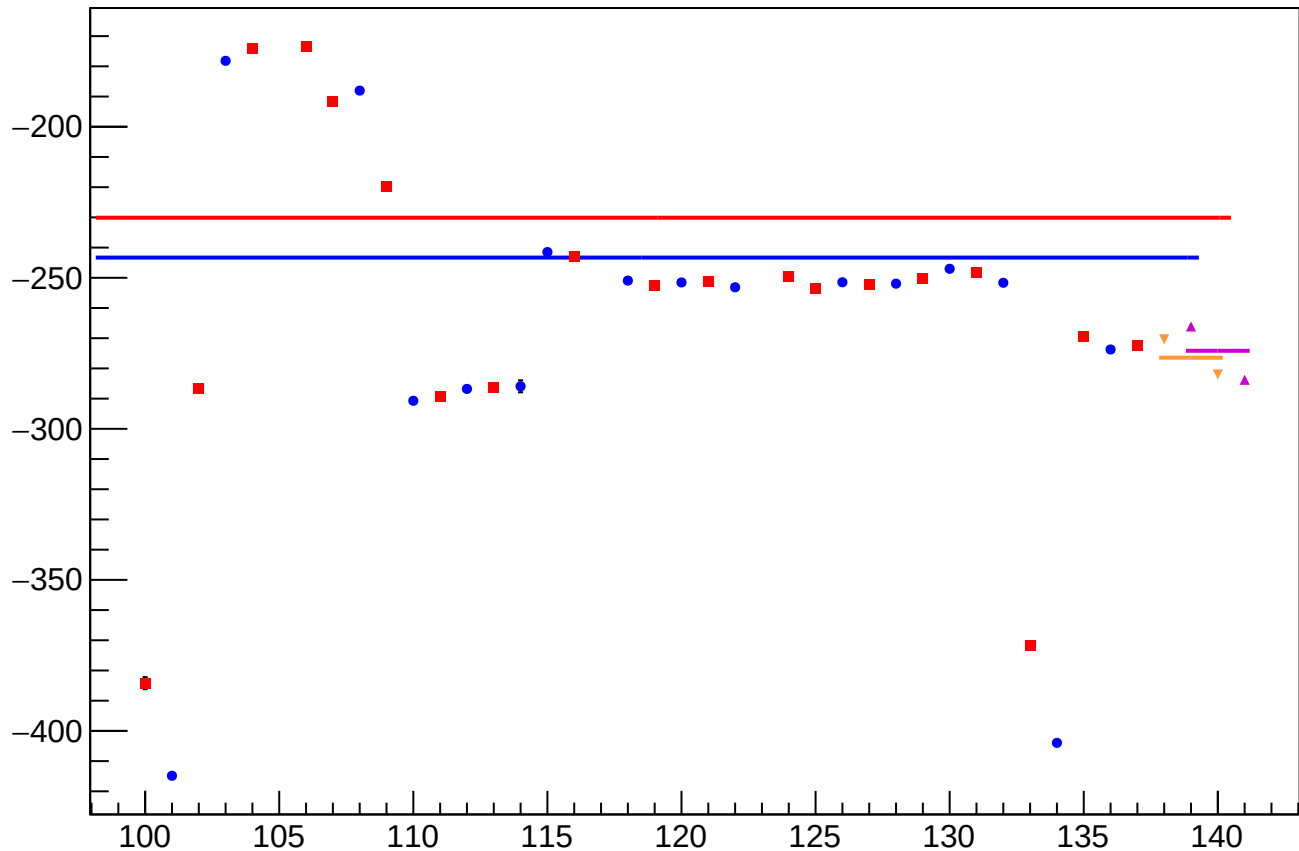
Left In: 107.923 $\pm$ 6.924 χ^2 /NDF: 1.7/1

+ sign 144.384 $\pm$ 2.806 χ^2 /NDF: 398.8/17

All: 132.950 $\pm$ 1.959 χ^2 /NDF: 946.3/38

- sign 122.077 $\pm$ 2.736 χ^2 /NDF: 515.2/20

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 $\chi^2/\text{NDF}: 102451.2/18$

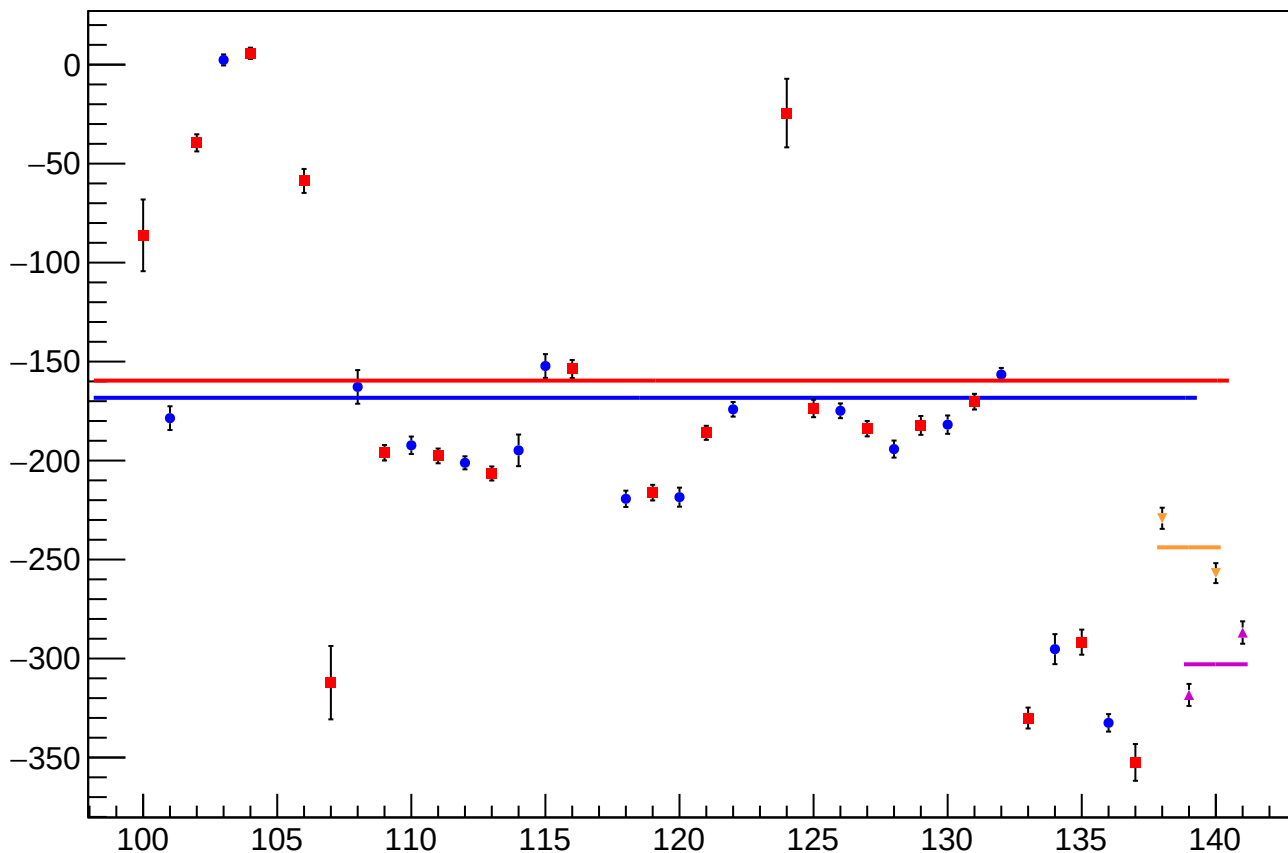
Left In: -274.157 ± 0.252 $\chi^2/\text{NDF}: 1218.7/1$

+ sign -252.649 ± 0.138 $\chi^2/\text{NDF}: 185712.6/17$

All: -247.407 ± 0.096 $\chi^2/\text{NDF}: 314206.3/38$

- sign -242.486 ± 0.133 $\chi^2/\text{NDF}: 125684.9/20$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291 ± 1.076 χ^2/NDF : 5907.6/15

Left Out: -243.822 ± 3.666 χ^2/NDF : 14.2/1

Right Out: -159.602 ± 1.042 χ^2/NDF : 7197.9/18

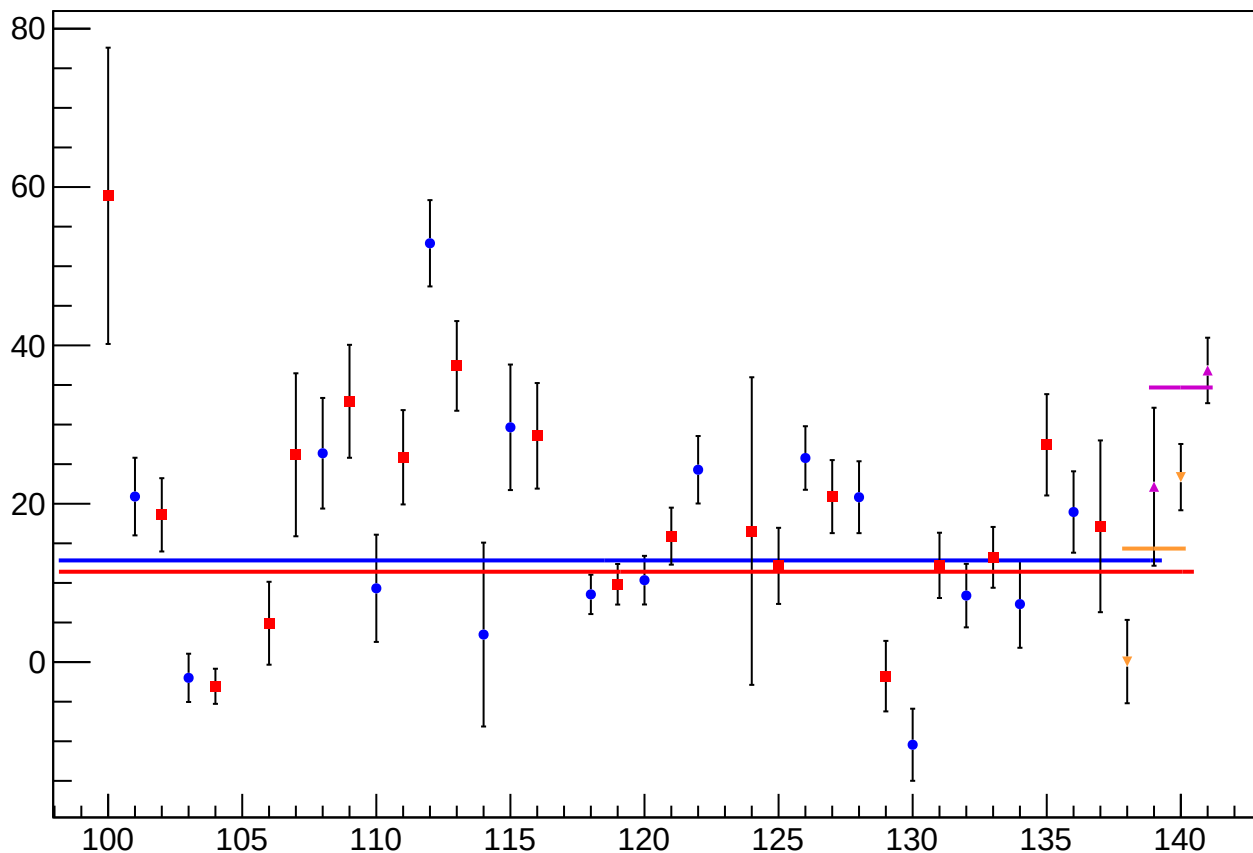
Left In: -302.909 ± 3.965 χ^2/NDF : 15.8/1

+ sign -174.280 ± 1.032 χ^2/NDF : 6312.6/17

All: -171.508 ± 0.721 χ^2/NDF : 14762.1/38

- sign -168.864 ± 1.008 χ^2/NDF : 8435.4/20

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

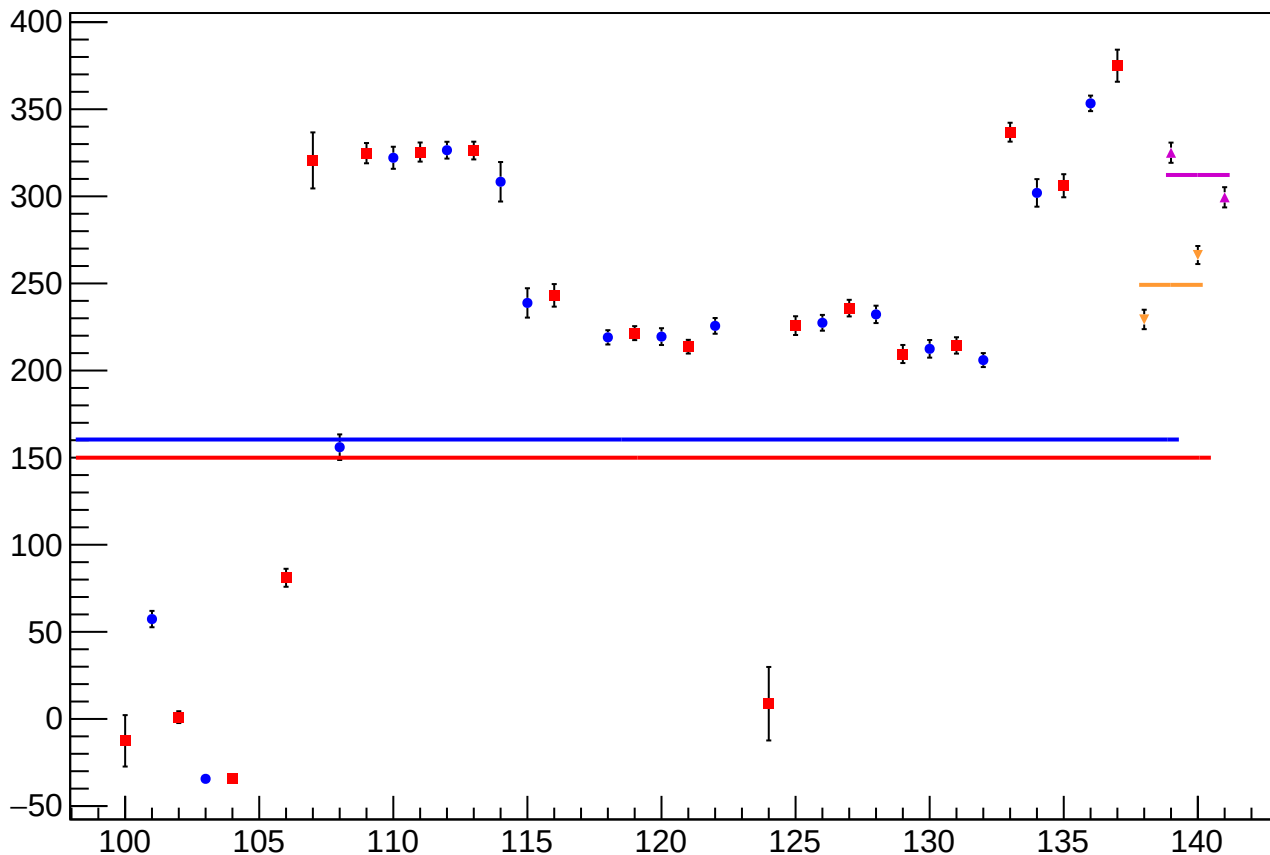
Left In: 34.684 $\pm$ 3.820 χ^2 /NDF:1.8/1

+ sign 12.988 $\pm$ 1.023 χ^2 /NDF: 155.9/17

All: 12.997 $\pm$ 0.715 χ^2 /NDF: 311.9/38

- sign 13.007 $\pm$ 0.999 χ^2 /NDF: 156.0/20

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

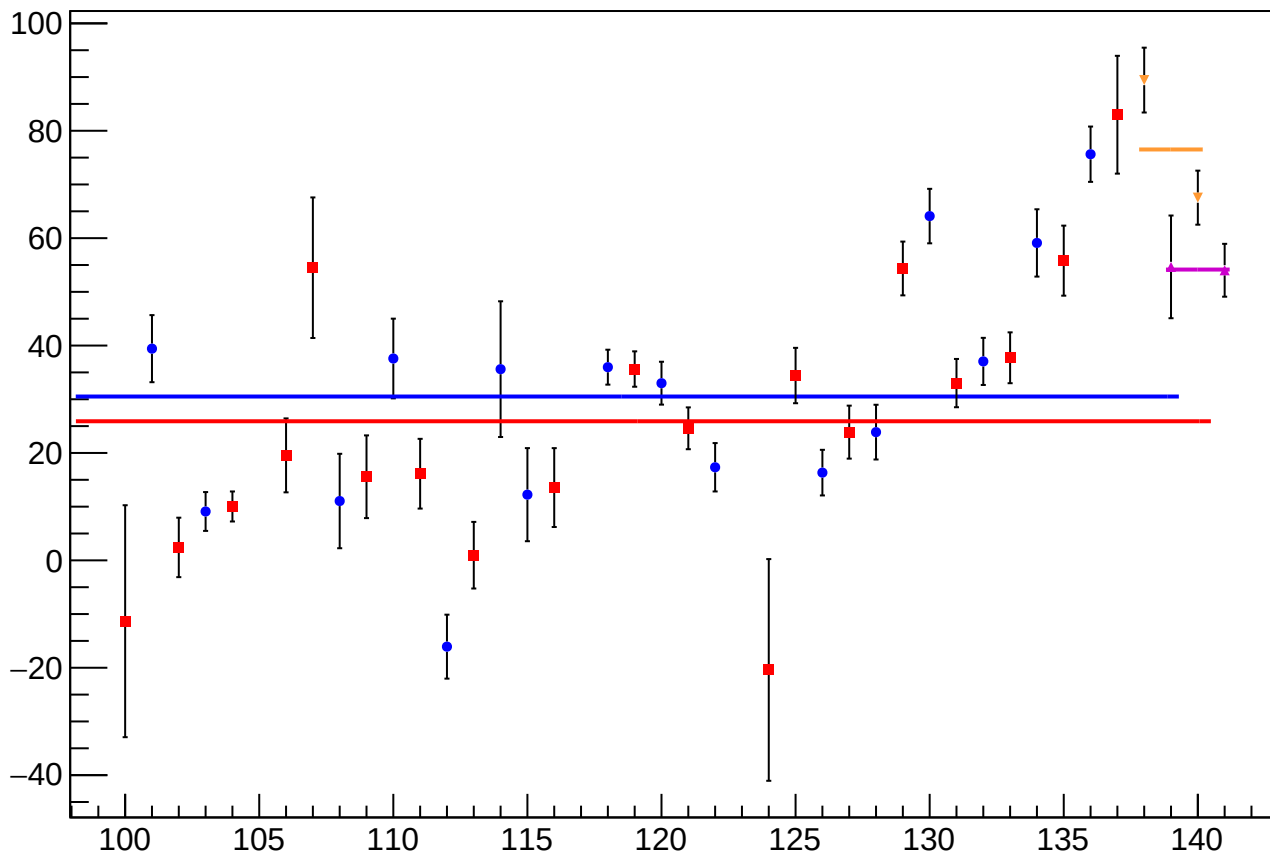
Left In: 312.264 $\pm$ 4.102 χ^2 /NDF:9.7/1

+ sign 167.743 $\pm$ 1.091 χ^2 /NDF: 14475.5/17

All: 164.296 $\pm$ 0.763 χ^2 /NDF: 32229.3/38

- sign 160.988 $\pm$ 1.069 χ^2 /NDF: 17734.2/20

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

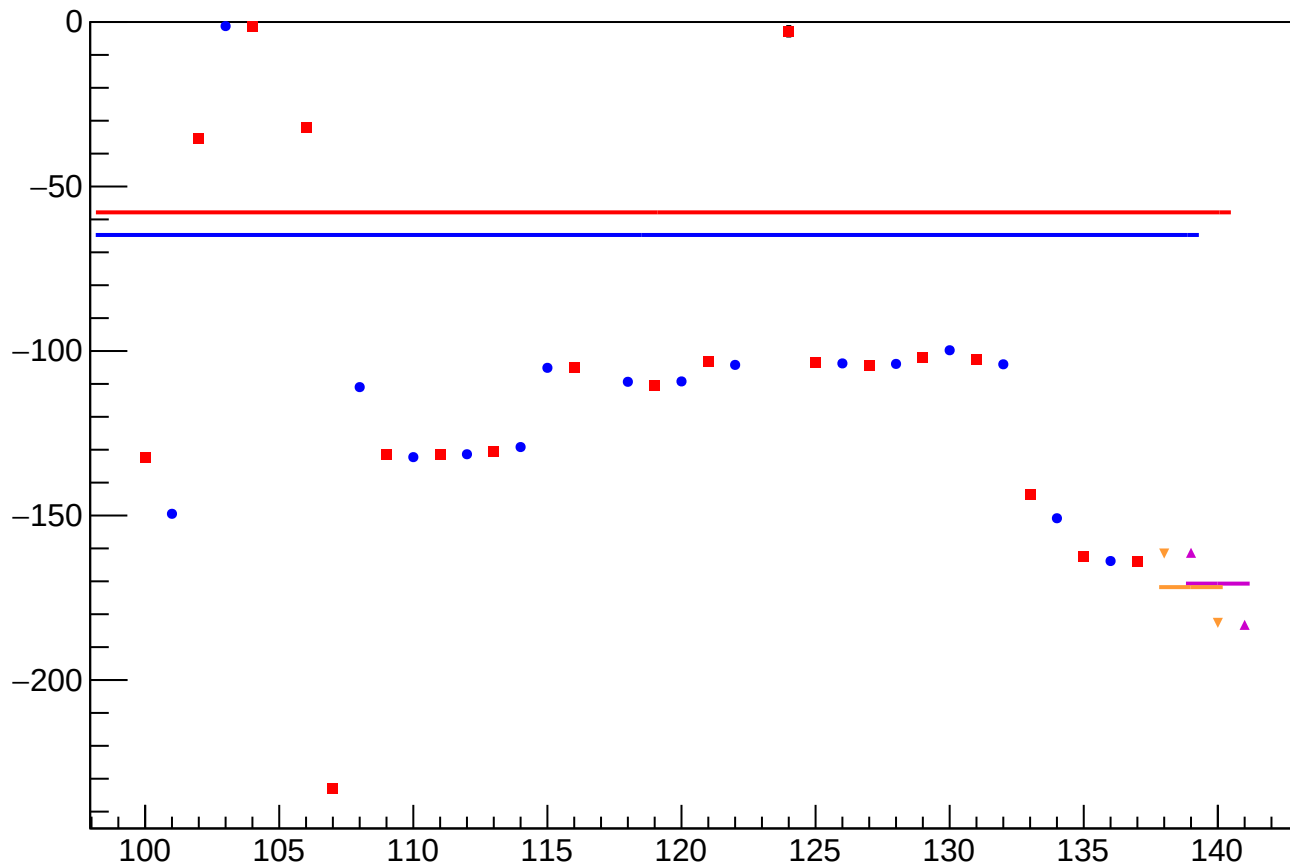
Left In: 54.154 $\pm$ 4.376 χ^2 /NDF: 0.0/1

+ sign 34.895 $\pm$ 1.193 χ^2 /NDF: 412.9/17

All: 31.335 $\pm$ 0.835 χ^2 /NDF: 656.8/38

- sign 27.919 $\pm$ 1.169 χ^2 /NDF: 226.5/20

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726 $\pm$ 0.064 χ^2 /NDF: 1044441.7/15

Left Out: -171.765 $\pm$ 0.161 χ^2 /NDF: 4283.7/1

Right Out: -57.855 $\pm$ 0.062 χ^2 /NDF: 875795.9/18

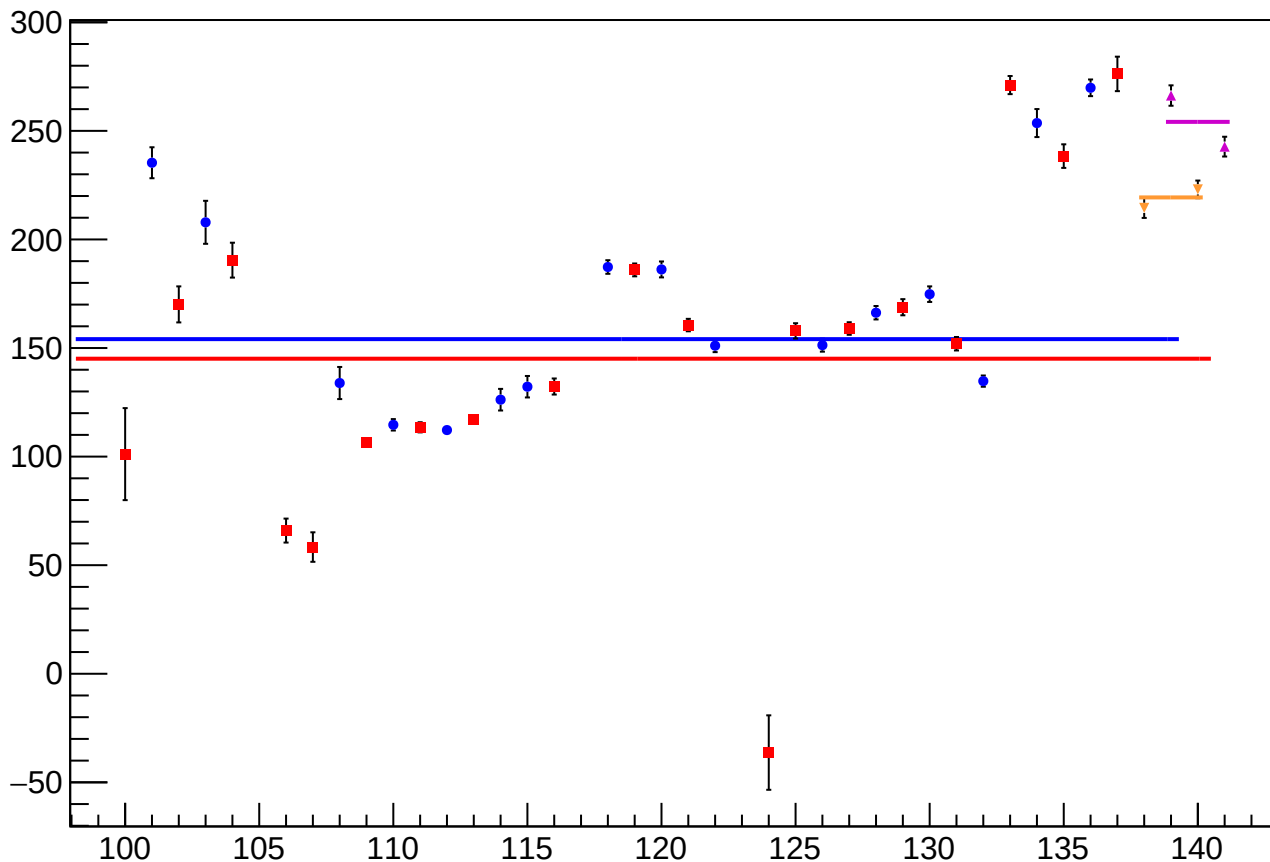
Left In: -170.699 $\pm$ 0.156 χ^2 /NDF: 4832.6/1

+ sign -79.266 $\pm$ 0.059 χ^2 /NDF: 1431176.5/17

All: -76.220 $\pm$ 0.041 χ^2 /NDF: 2769110.6/38

- sign -73.332 $\pm$ 0.058 χ^2 /NDF: 1332792.7/20

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

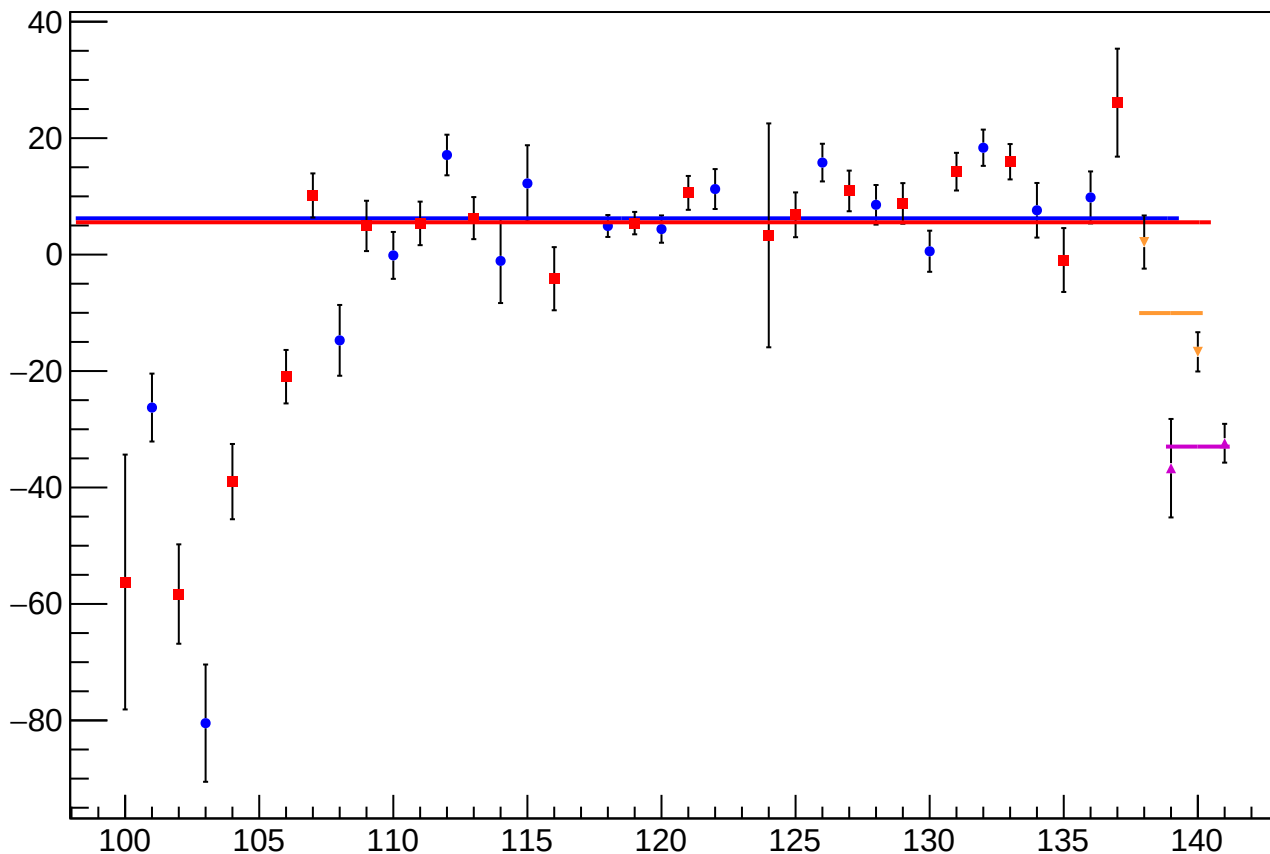
Left In: 254.144 $\pm$ 3.270 χ^2 /NDF:12.9/1

+ sign 158.996 $\pm$ 0.836 χ^2 /NDF: 2706.3/17

All: 155.153 $\pm$ 0.578 χ^2 /NDF: 6763.9/38

- sign 151.626 $\pm$ 0.801 χ^2 /NDF: 4017.0/20

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229 ± 0.890 χ^2/NDF : 162.1/15

Left Out: -10.043 ± 2.713 χ^2/NDF : 11.0/1

Right Out: 5.548 ± 0.889 χ^2/NDF : 181.1/18

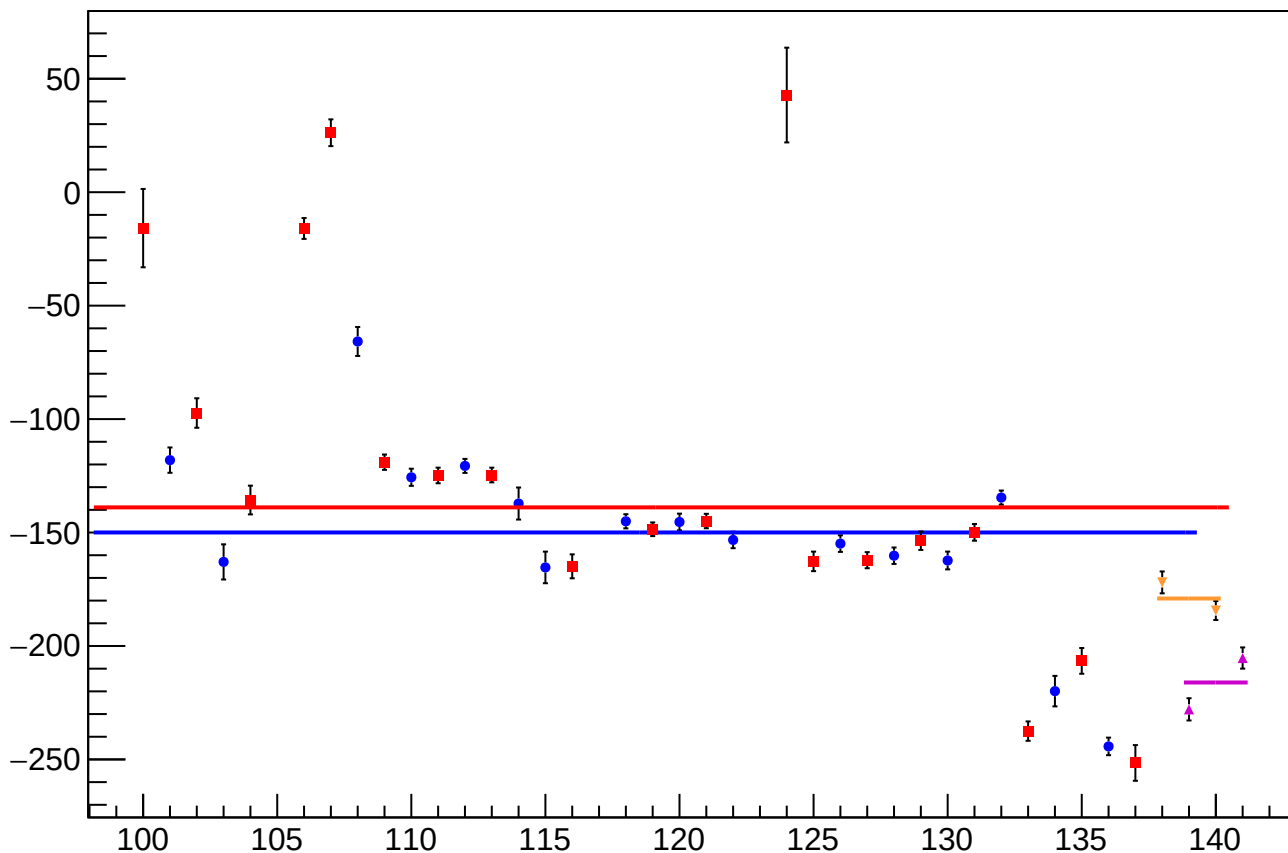
Left In: -32.974 ± 3.099 χ^2/NDF : 0.2/1

+ sign 4.648 ± 0.846 χ^2/NDF : 205.6/17

All: 3.643 ± 0.601 χ^2/NDF : 532.6/38

- sign 2.616 ± 0.855 χ^2/NDF : 324.1/20

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970 ± 1.026 $\chi^2/\text{NDF}: 1099.5/15$

Left Out: -179.076 ± 3.156 $\chi^2/\text{NDF}: 3.8/1$

Right Out: -138.912 ± 0.993 $\chi^2/\text{NDF}: 2750.9/18$

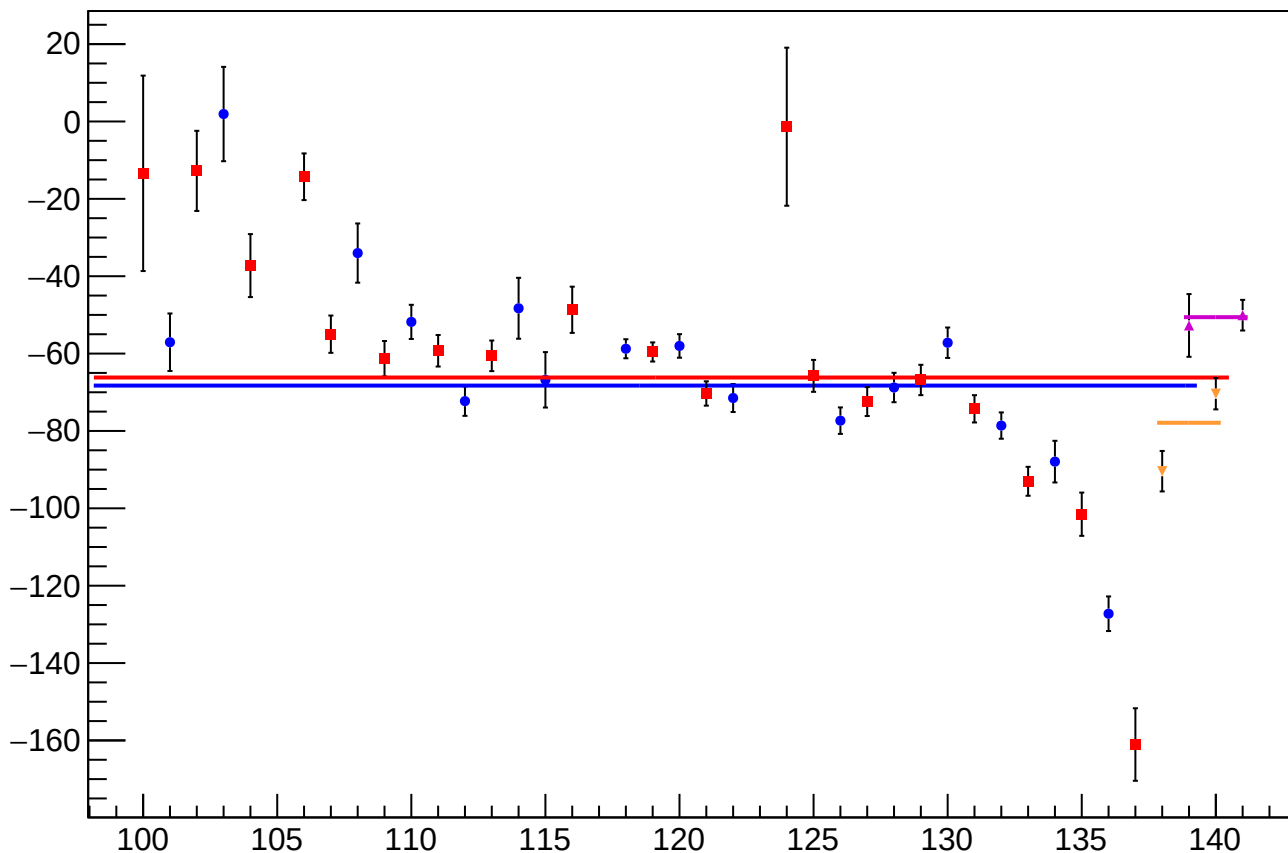
Left In: -216.088 ± 3.380 $\chi^2/\text{NDF}: 11.2/1$

+ sign -152.750 ± 0.975 $\chi^2/\text{NDF}: 1180.2/17$

All: -148.810 ± 0.682 $\chi^2/\text{NDF}: 4454.0/38$

- sign -145.049 ± 0.953 $\chi^2/\text{NDF}: 3241.9/20$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272 ± 1.033 χ^2/NDF : 315.4/15

Left Out: -77.883 ± 3.205 χ^2/NDF : 9.2/1

Right Out: -66.186 ± 1.024 χ^2/NDF : 358.3/18

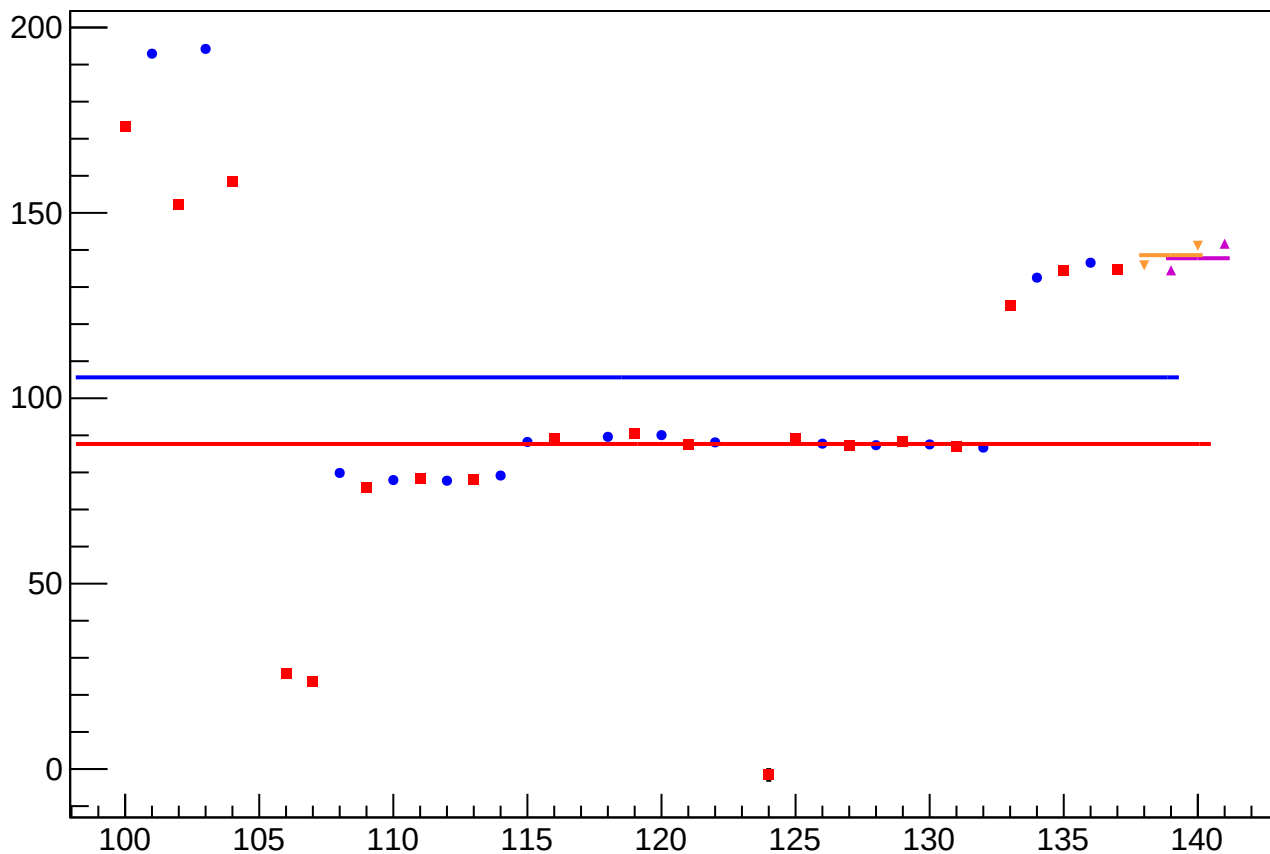
Left In: -50.585 ± 3.560 χ^2/NDF : 0.1/1

+ sign -69.177 ± 0.983 χ^2/NDF : 332.7/17

All: -67.087 ± 0.696 χ^2/NDF : 717.9/38

- sign -64.994 ± 0.984 χ^2/NDF : 376.2/20

reg asym atl dd diff bpm12X slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF : 239614.1/15

Left Out: 138.598 $\pm$ 0.134 χ^2 /NDF:385.6/1

Right Out: 87.673 ± 0.066 χ^2/NDF : 374460.7/18

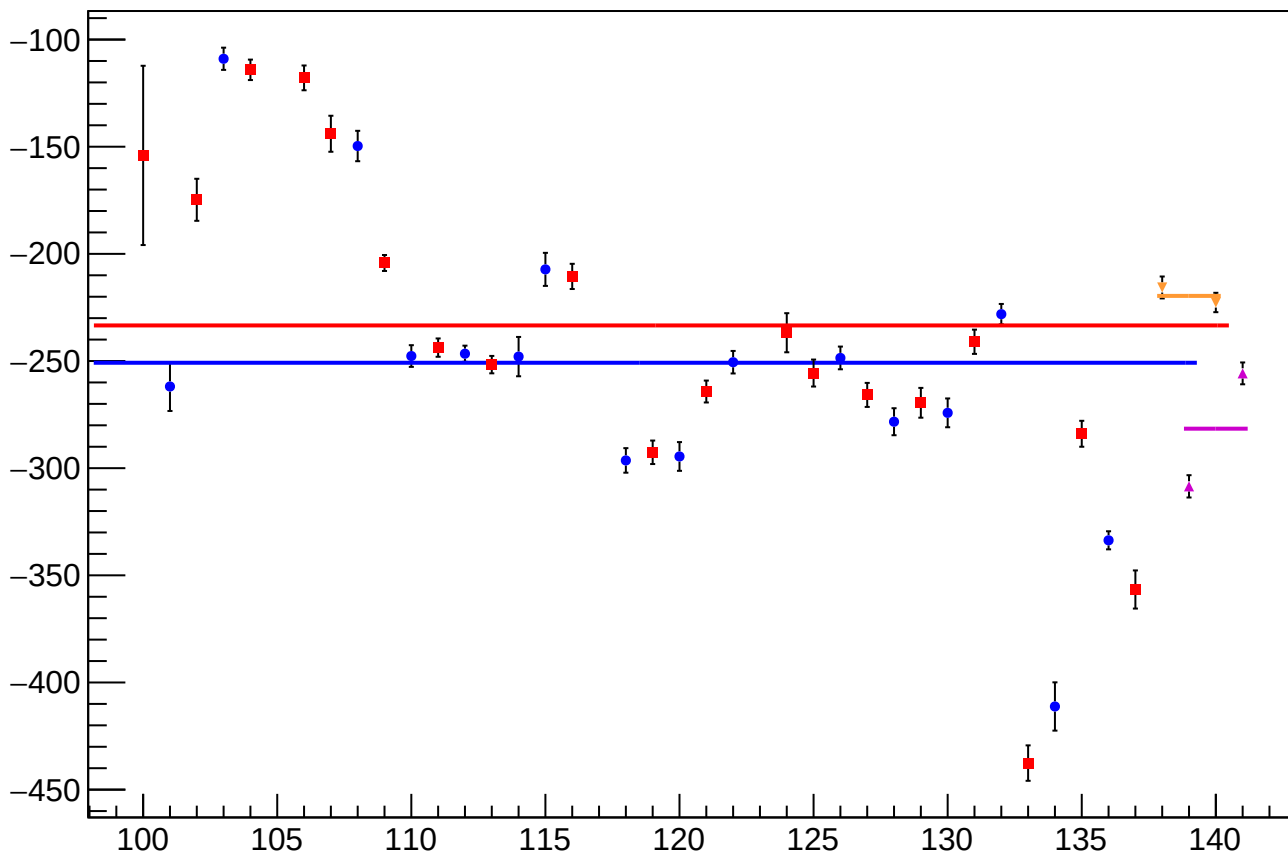
Left In: 137.769+/-0.129 χ^2/NDF :766.7/1

+ sign 112.820 $\pm$ 0.063 χ^2 /NDF: 287170.0/17

All: 104.883 ± 0.043 χ^2/NDF : 812110.6/38

- sign 97.961 $\pm$ 0.059 χ^2 /NDF: 494885.1/20

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812 $\pm$ 1.438 χ^2 /NDF: 1735.7/15

Left Out: -219.612 $\pm$ 3.386 χ^2 /NDF:1.1/1

Right Out: -233.396 $\pm$ 1.333 χ^2 /NDF: 2378.5/18

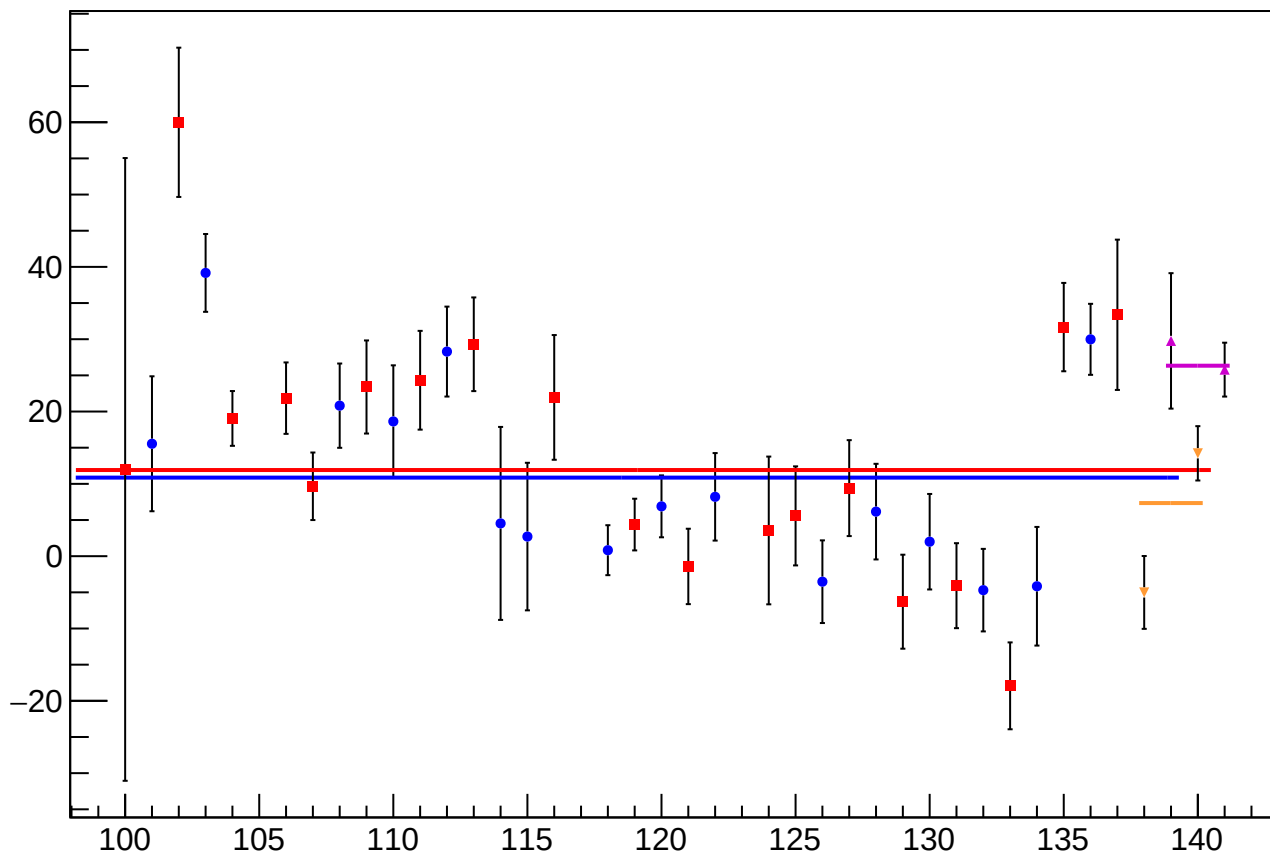
Left In: -281.572 $\pm$ 3.641 χ^2 /NDF:52.4/1

+ sign -246.042 $\pm$ 1.324 χ^2 /NDF: 1808.7/17

All: -242.373 $\pm$ 0.910 χ^2 /NDF: 4408.5/38

- sign -239.091 $\pm$ 1.252 χ^2 /NDF: 2585.2/20

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864 $\pm$ 1.471 χ^2/NDF : 84.7/15

Left Out: 7.345 $\pm$ 3.011 χ^2/NDF : 9.4/1

Right Out: 11.912 $\pm$ 1.368 χ^2/NDF : 111.9/18

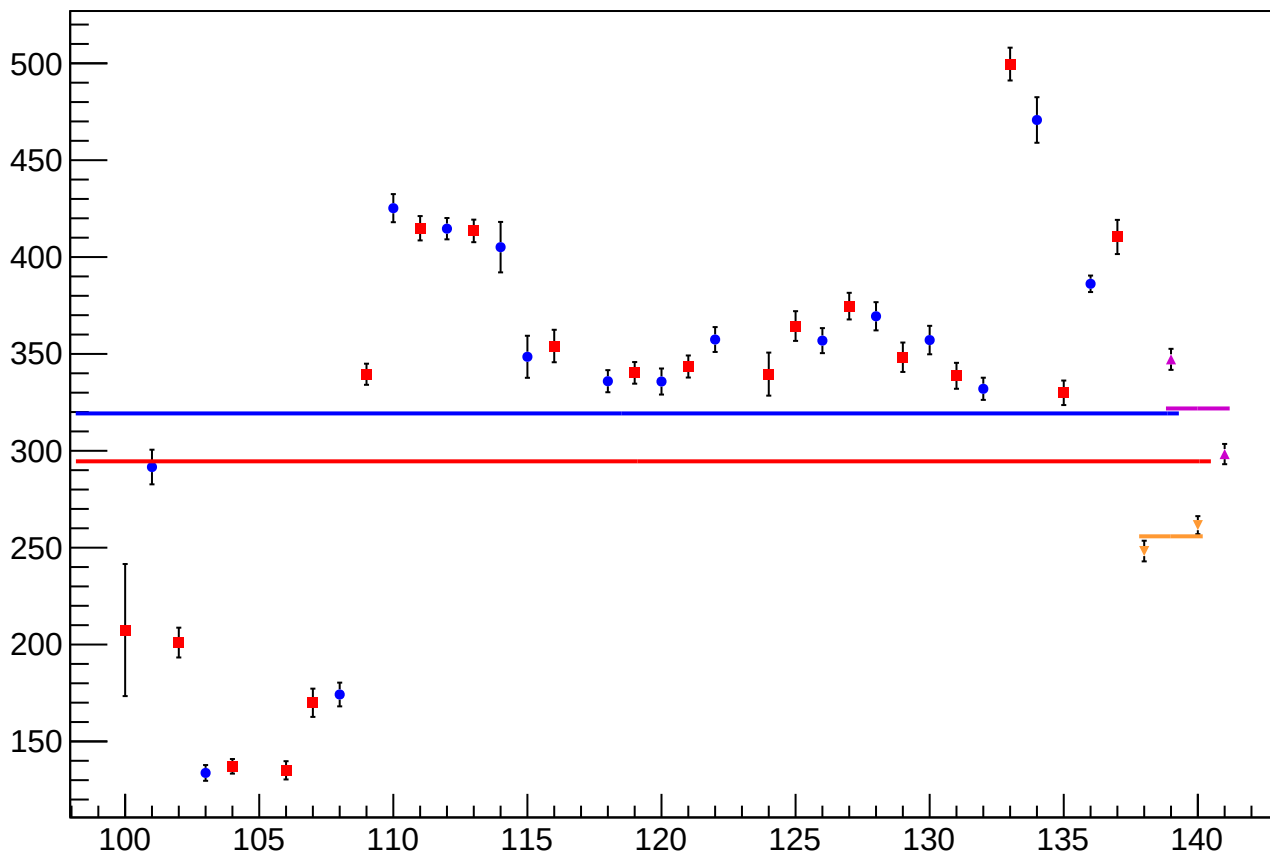
Left In: 26.337 $\pm$ 3.461 χ^2/NDF : 0.2/1

+ sign 10.187 $\pm$ 1.321 χ^2/NDF : 95.1/17

All: 12.093 $\pm$ 0.916 χ^2/NDF : 226.2/38

- sign 13.860 $\pm$ 1.272 χ^2/NDF : 127.1/20

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

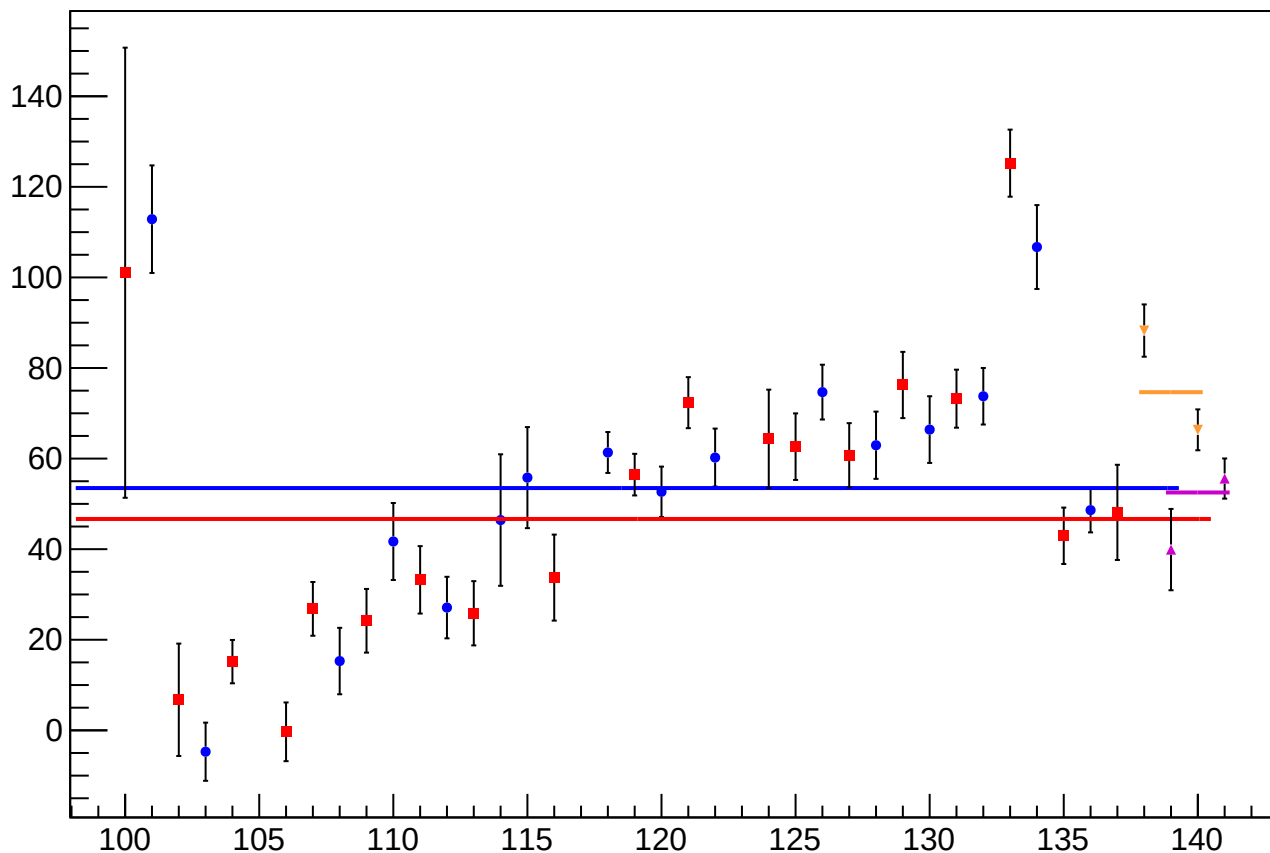
Left In: 321.852 $\pm$ 3.764 χ^2 /NDF: 42.1/1

+ sign 308.502 $\pm$ 1.445 χ^2 /NDF: 4068.6/17

All: 303.123 $\pm$ 0.997 χ^2 /NDF: 9685.9/38

- sign 298.226 $\pm$ 1.379 χ^2 /NDF: 5590.8/20

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494 $\pm$ 1.699 χ^2 /NDF: 217.2/15

Left Out: 74.668 $\pm$ 3.557 χ^2 /NDF: 8.9/1

Right Out: 46.666 $\pm$ 1.593 χ^2 /NDF: 325.6/18

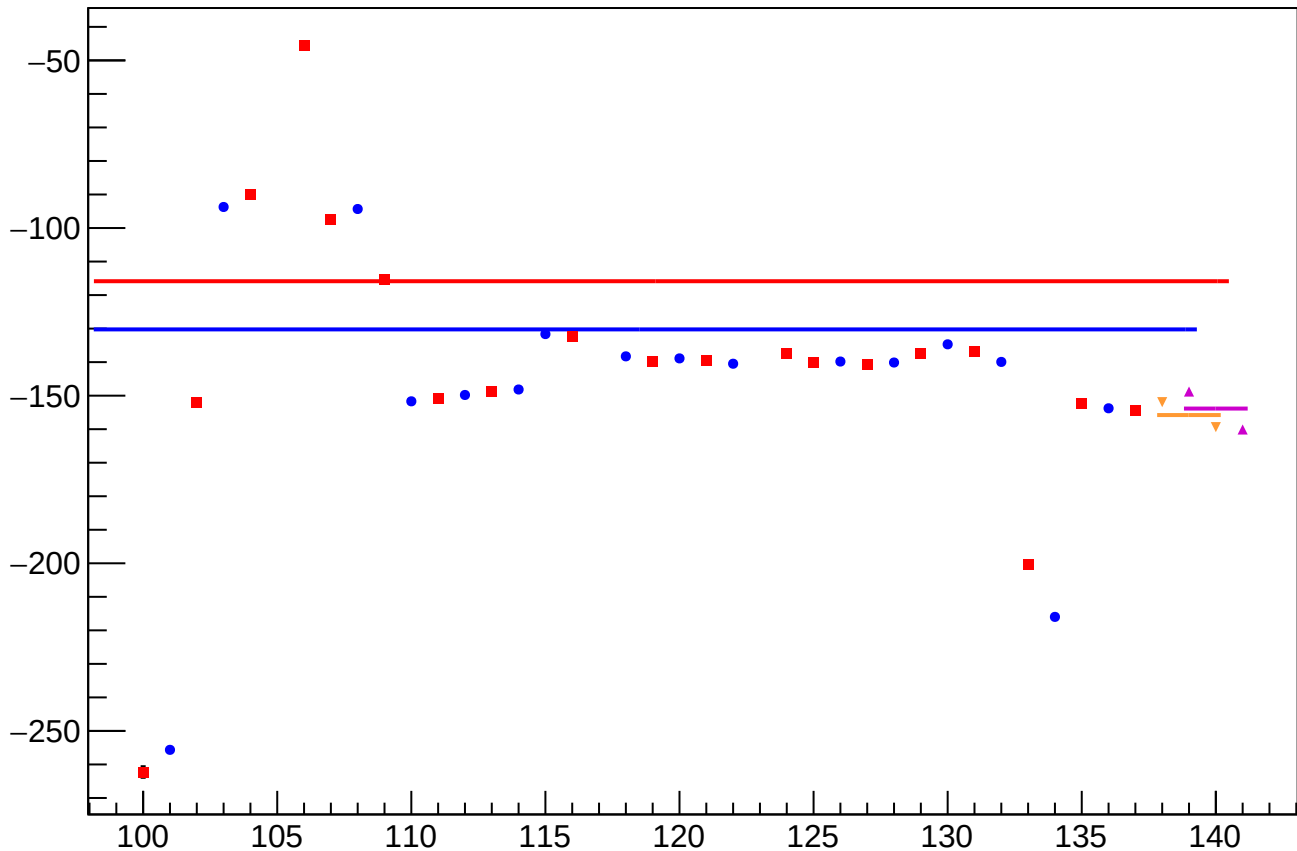
Left In: 52.518 $\pm$ 3.975 χ^2 /NDF: 2.5/1

+ sign 57.426 $\pm$ 1.533 χ^2 /NDF: 255.0/17

All: 52.273 $\pm$ 1.064 χ^2 /NDF: 606.8/38

- sign 47.476 $\pm$ 1.479 χ^2 /NDF: 329.9/20

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF : 174208.5/15

Left Out: -155.784+/-0.149 χ^2/NDF : 624.7/1

Right Out: -115.865+/-0.086 χ^2/NDF : 205899.4/18

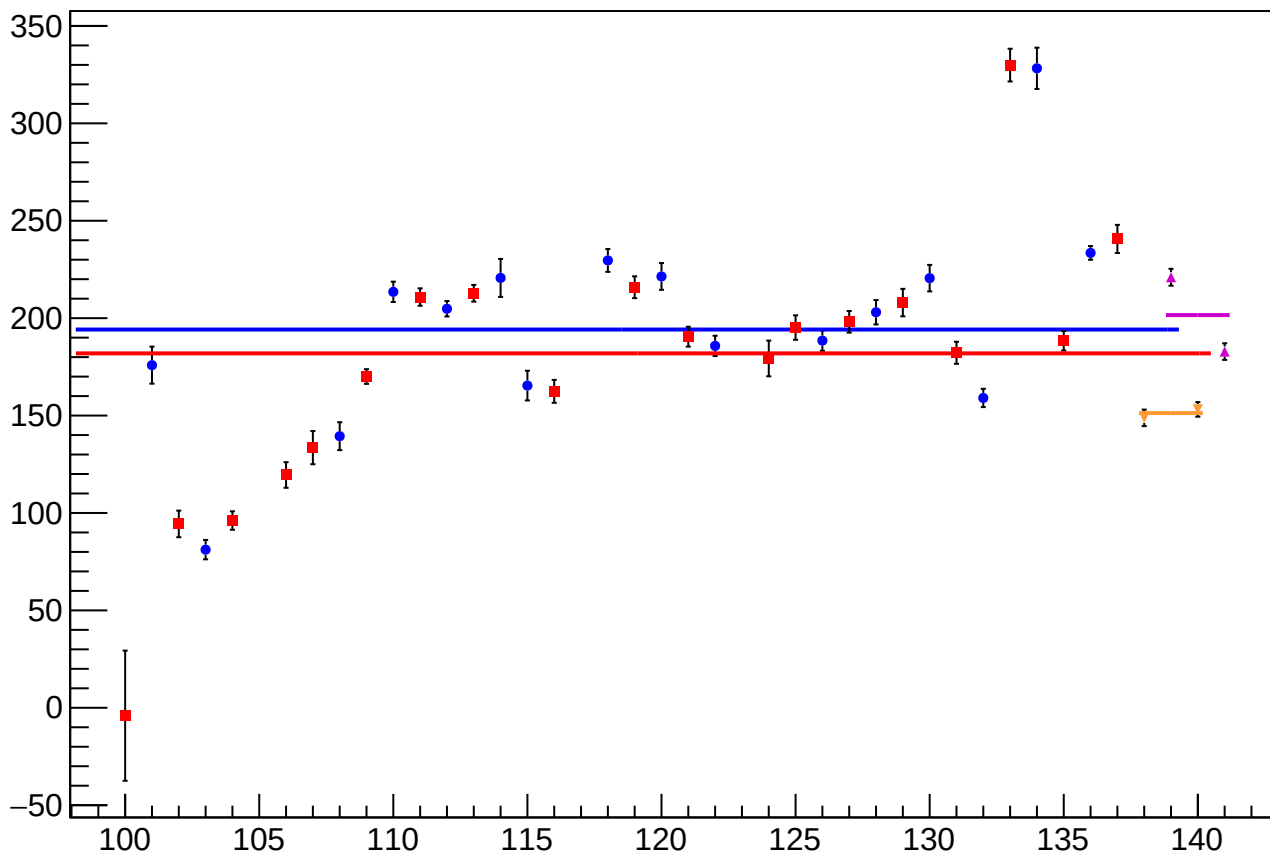
Left In: -153.848+/-0.144 χ^2/NDF : 1535.2/1

+ sign -137.186+/-0.078 χ^2/NDF : 196235.8/17

All: -131.204+/-0.053 χ^2/NDF : 466457.7/38

- sign -125.836+/-0.074 χ^2/NDF : 258979.1/20

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

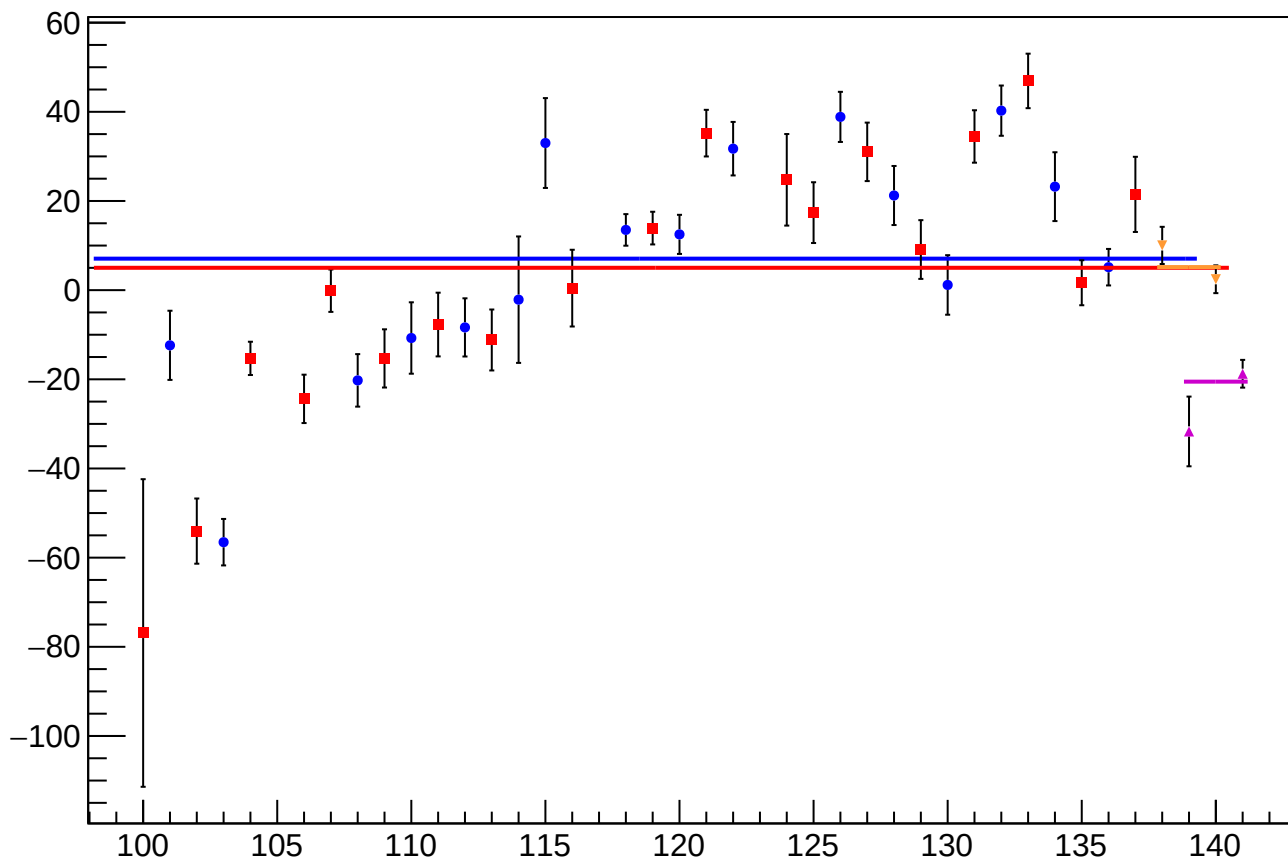
Left In: 201.574 $\pm$ 3.037 χ^2 /NDF: 39.5/1

+ sign 185.563 $\pm$ 1.258 χ^2 /NDF: 1222.2/17

All: 185.300 $\pm$ 0.873 χ^2 /NDF: 2501.8/38

- sign 185.057 $\pm$ 1.212 χ^2 /NDF: 1279.5/20

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066 ± 1.443 χ^2/NDF : 292.6/15

Left Out: 5.167 ± 2.496 χ^2/NDF : 2.1/1

Right Out: 5.015 ± 1.355 χ^2/NDF : 288.5/18

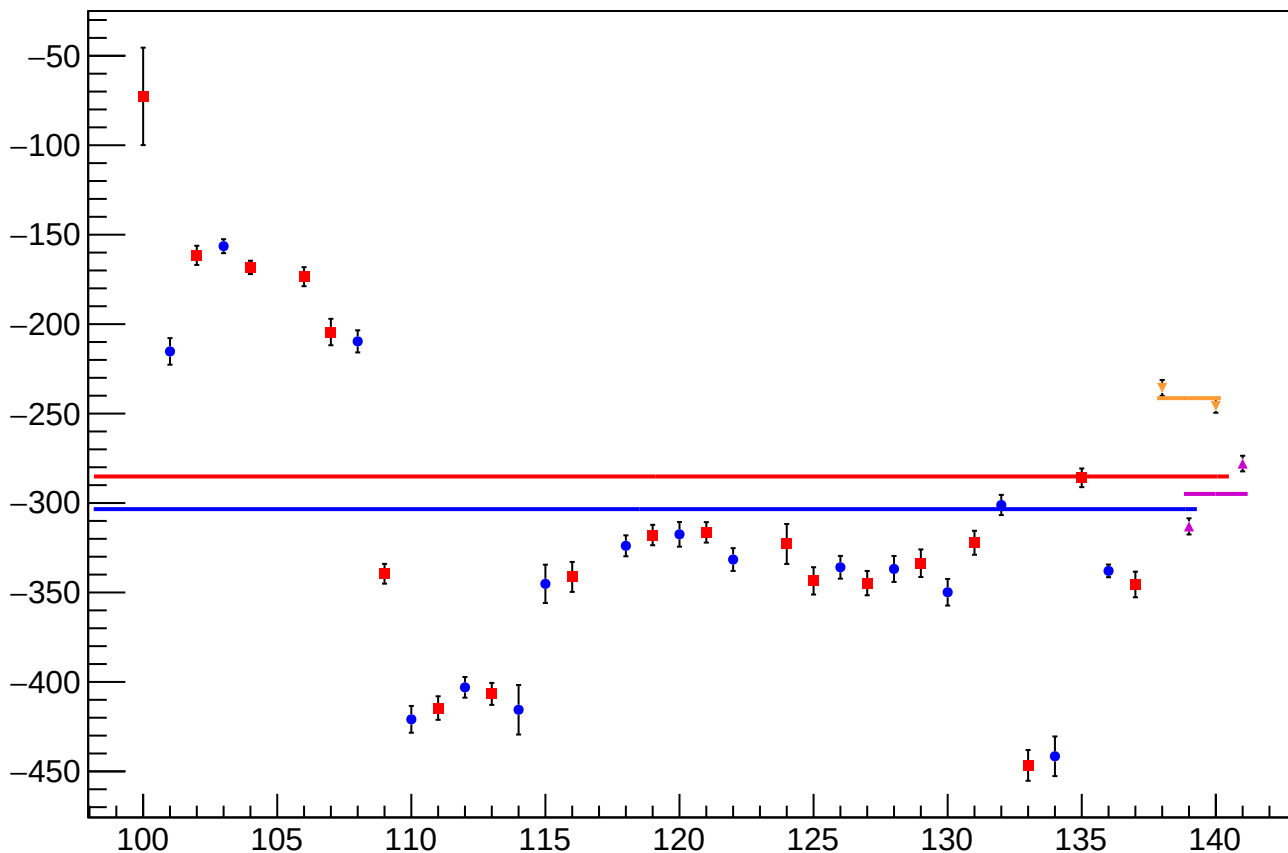
Left In: -20.524 ± 2.892 χ^2/NDF : 2.4/1

+ sign 6.590 ± 1.249 χ^2/NDF : 295.1/17

All: 3.449 ± 0.875 χ^2/NDF : 662.4/38

- sign 0.418 ± 1.227 χ^2/NDF : 354.9/20

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408 ± 1.530 $\chi^2/\text{NDF}: 2785.5/15$

Left Out: -241.366 ± 2.906 $\chi^2/\text{NDF}: 2.9/1$

Right Out: -285.148 ± 1.451 $\chi^2/\text{NDF}: 3754.8/18$

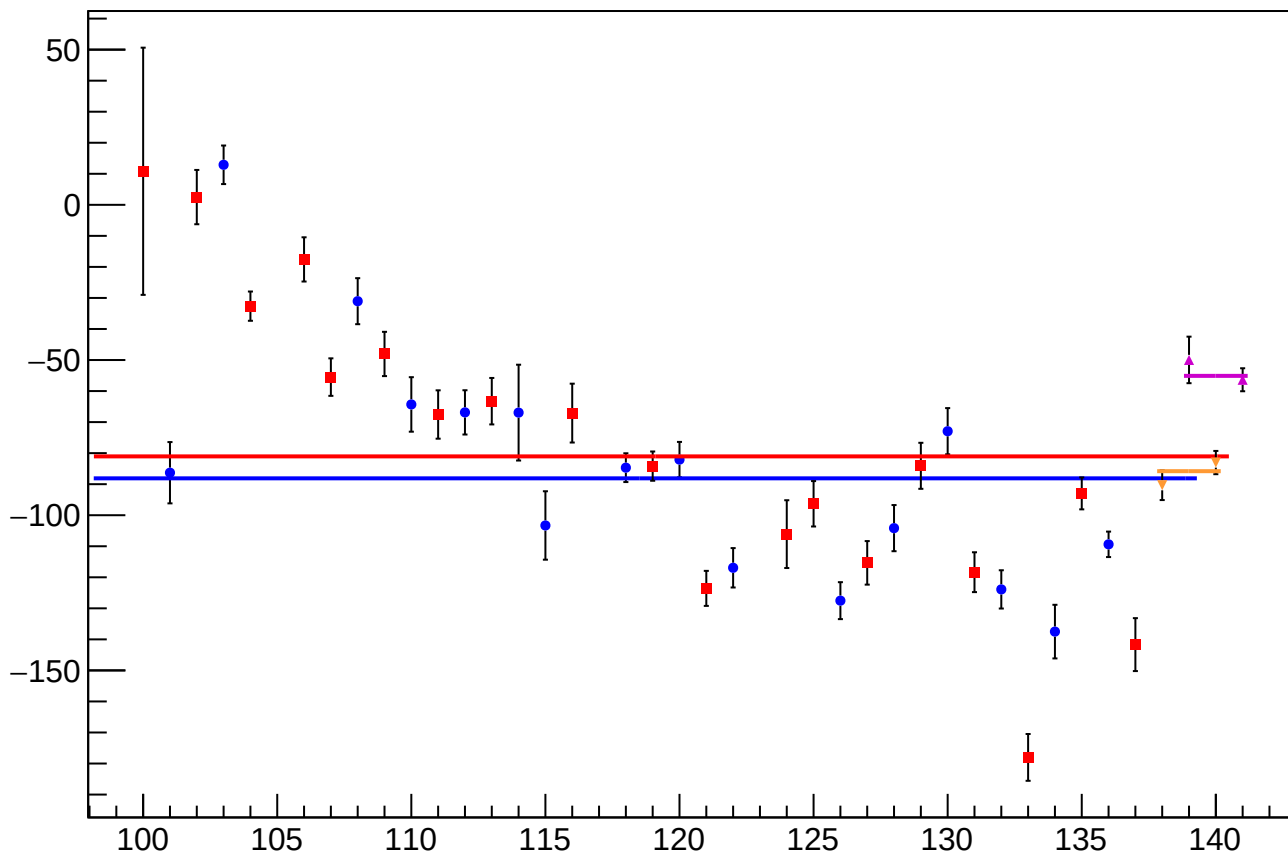
Left In: -294.903 ± 3.139 $\chi^2/\text{NDF}: 31.2/1$

+ sign -289.942 ± 1.354 $\chi^2/\text{NDF}: 3145.3/17$

All: -288.361 ± 0.944 $\chi^2/\text{NDF}: 6942.0/38$

- sign -286.865 ± 1.317 $\chi^2/\text{NDF}: 3794.0/20$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119 ± 1.655 χ^2/NDF : 511.9/15

Left Out: -85.813 ± 2.949 χ^2/NDF : 1.4/1

Right Out: -81.046 ± 1.569 χ^2/NDF : 677.5/18

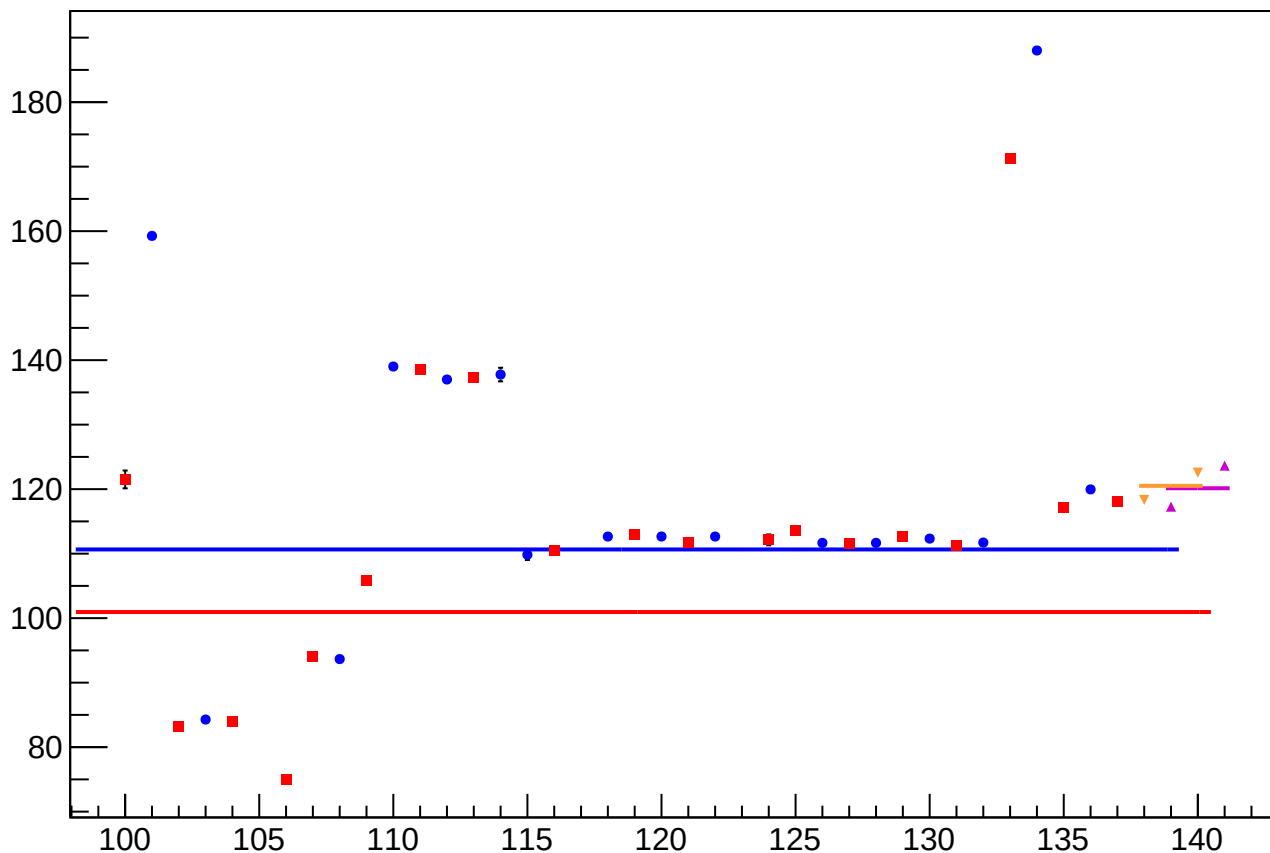
Left In: -55.104 ± 3.320 χ^2/NDF : 0.6/1

+ sign -87.567 ± 1.443 χ^2/NDF : 513.8/17

All: -81.841 ± 1.012 χ^2/NDF : 1272.8/38

- sign -76.311 ± 1.418 χ^2/NDF : 728.0/20

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651 $\pm$ 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

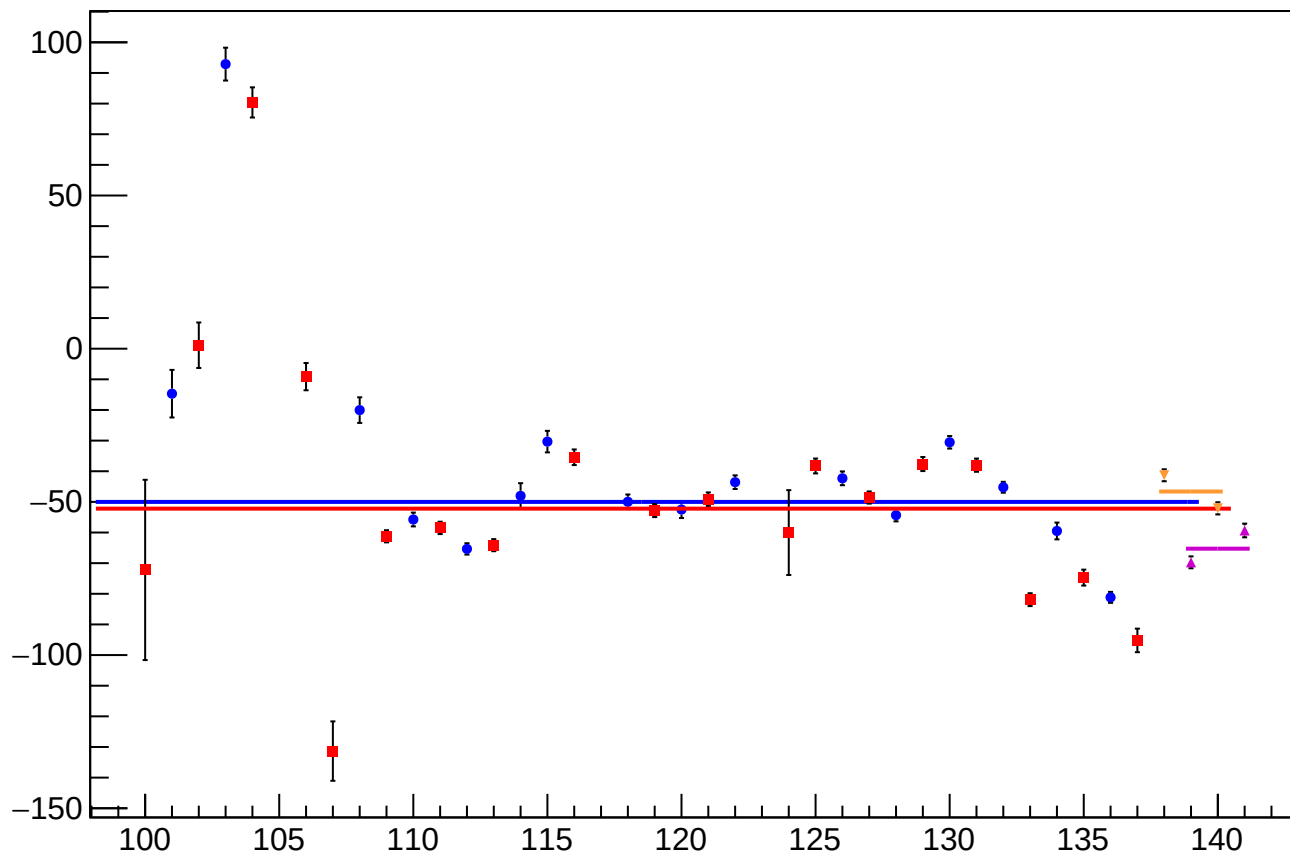
Left In: 120.138+/-0.120 χ^2/NDF :695.1/1

+ sign 113.861+/-0.070 χ^2/NDF : 88113.3/17

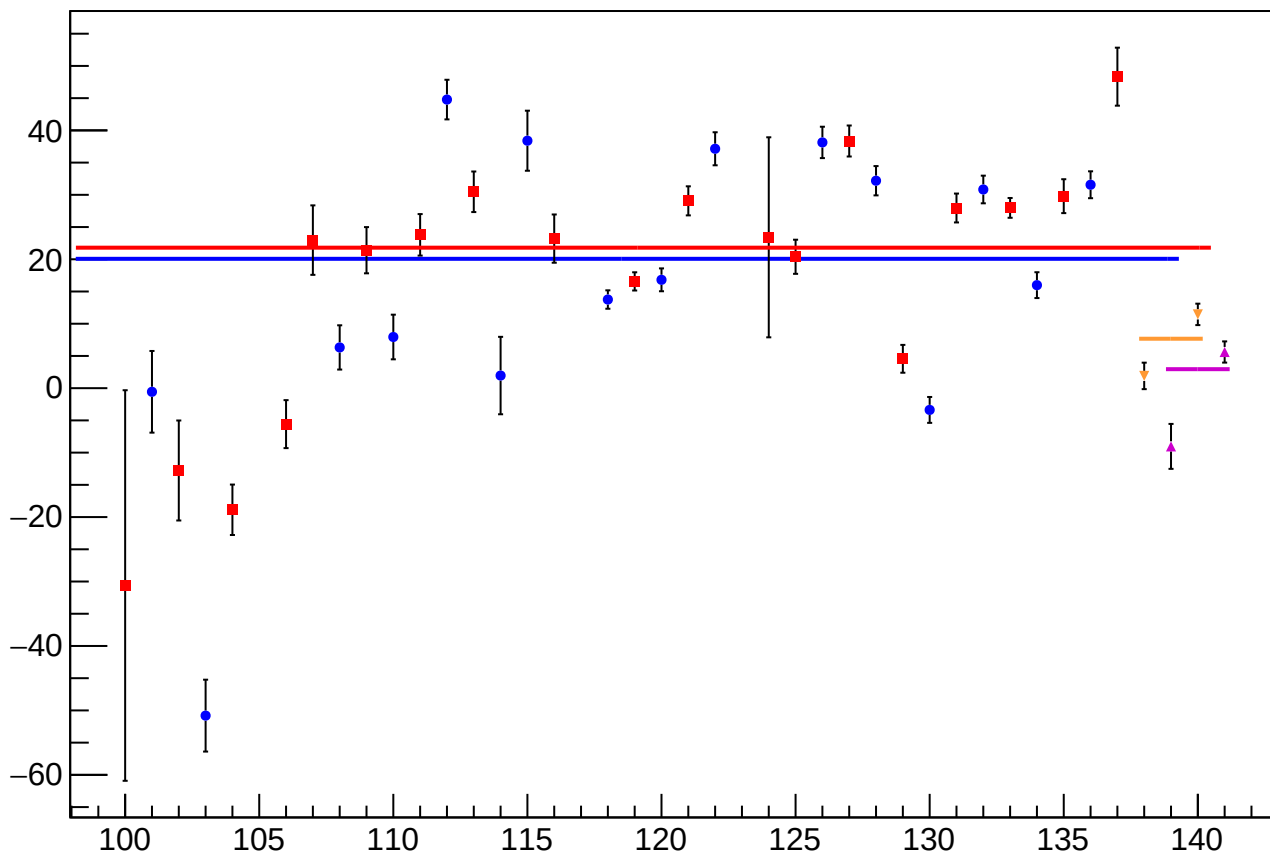
All: 110.241 ± 0.049 χ^2/NDF : 173429.6/38

- sign 106.959+/-0.067 χ^2/NDF : 80285.2/20

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

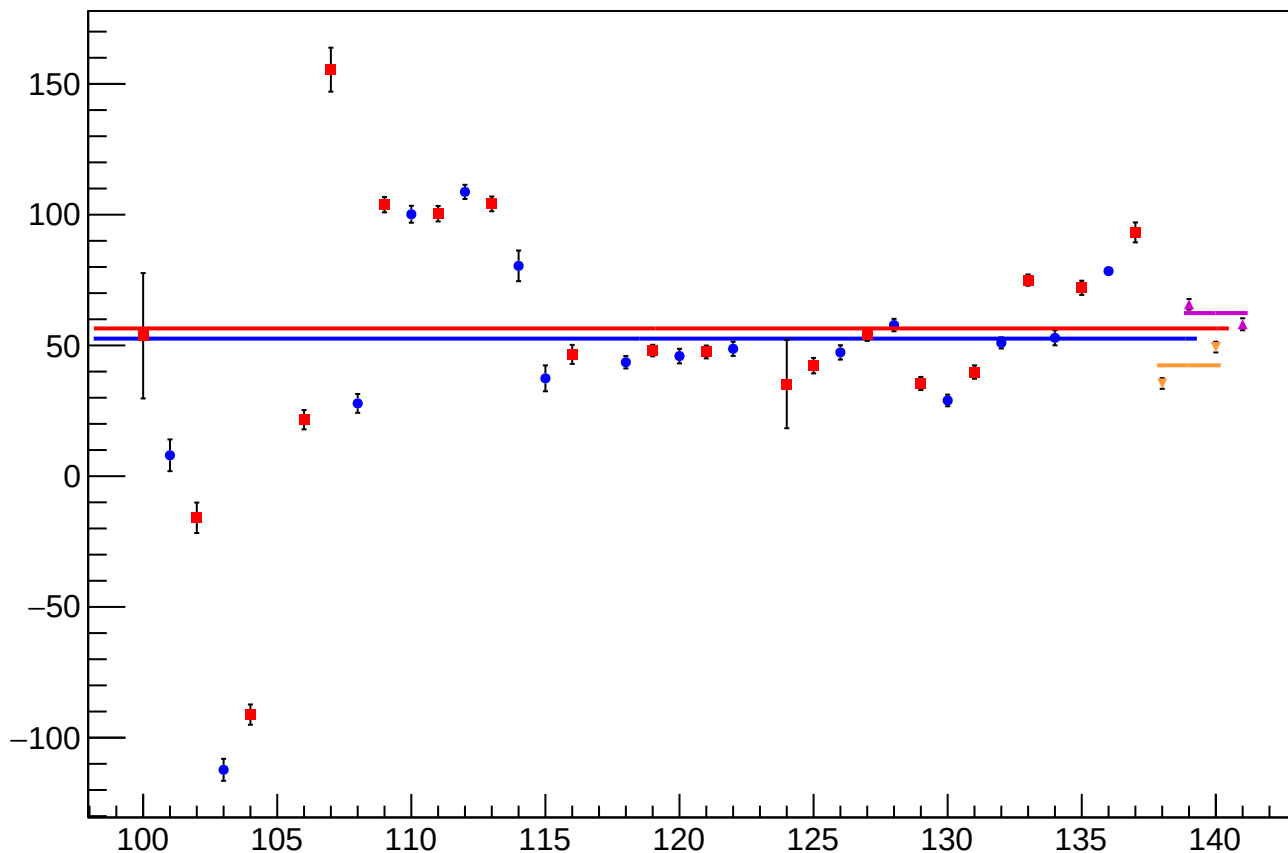
Left In: 2.948 $\pm$ 1.488 χ^2 /NDF:14.4/1

+ sign 17.800 $\pm$ 0.553 χ^2 /NDF: 724.5/17

All: 18.376 $\pm$ 0.398 χ^2 /NDF: 1274.2/38

- sign 18.995 $\pm$ 0.574 χ^2 /NDF: 547.4/20

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605 ± 0.696 $\chi^2/\text{NDF}: 2659.4/15$

Left Out: 42.400 ± 1.445 $\chi^2/\text{NDF}: 23.2/1$

Right Out: 56.499 ± 0.705 $\chi^2/\text{NDF}: 2965.5/18$

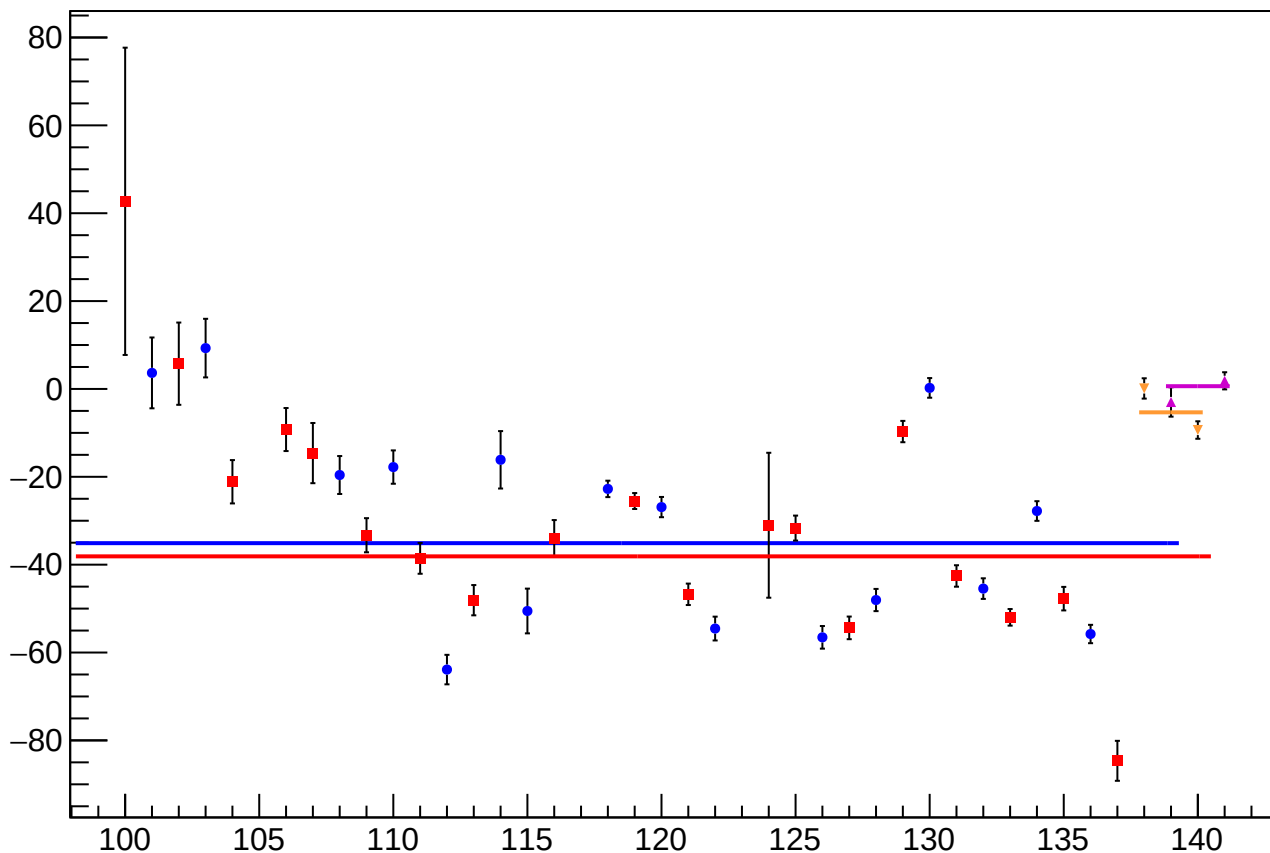
Left In: 62.378 ± 1.519 $\chi^2/\text{NDF}: 6.2/1$

+ sign 50.682 ± 0.627 $\chi^2/\text{NDF}: 2723.1/17$

All: 54.044 ± 0.448 $\chi^2/\text{NDF}: 5765.7/38$

- sign 57.542 ± 0.640 $\chi^2/\text{NDF}: 2984.0/20$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104 ± 0.700 χ^2/NDF : 773.2/15

Left Out: -5.325 ± 1.509 χ^2/NDF : 9.6/1

Right Out: -38.109 ± 0.714 χ^2/NDF : 514.6/18

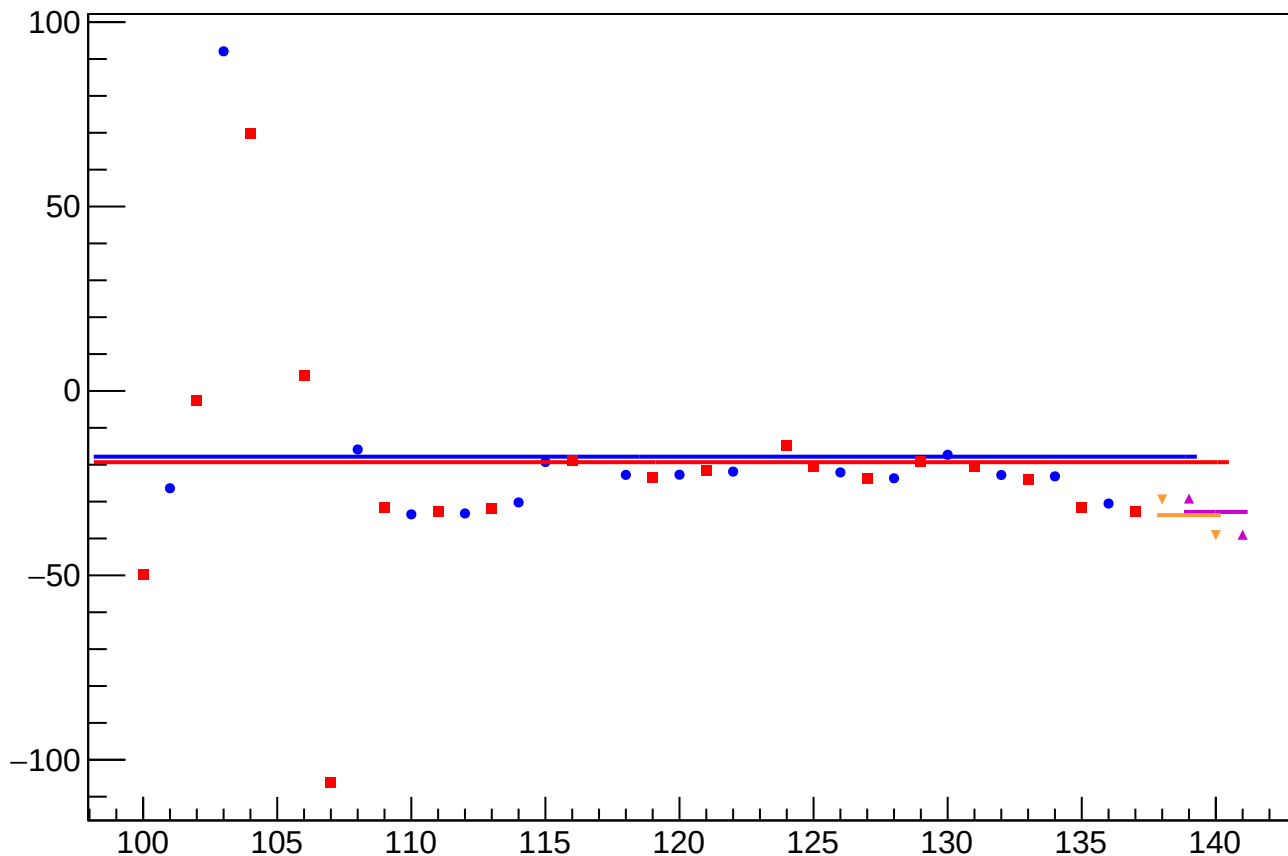
Left In: 0.627 ± 1.686 χ^2/NDF : 1.5/1

+ sign -29.829 ± 0.635 χ^2/NDF : 1103.3/17

All: -30.983 ± 0.457 χ^2/NDF : 2073.9/38

- sign -32.220 ± 0.657 χ^2/NDF : 963.8/20

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817 ± 0.043 $\chi^2/\text{NDF}: 426105.1/15$

Left Out: -33.669 ± 0.060 $\chi^2/\text{NDF}: 6332.0/1$

Right Out: -19.311 ± 0.046 $\chi^2/\text{NDF}: 344626.7/18$

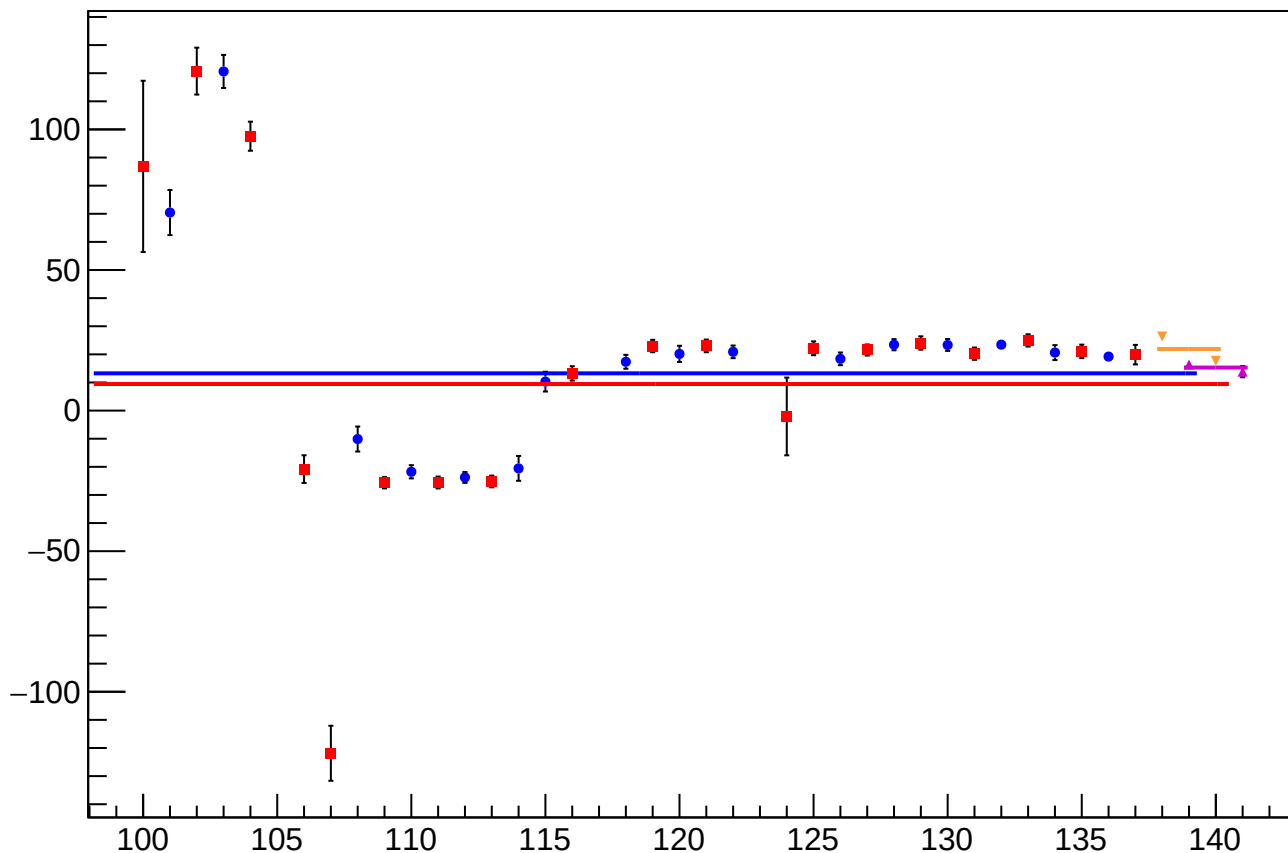
Left In: -32.803 ± 0.057 $\chi^2/\text{NDF}: 6893.2/1$

+ sign -23.206 ± 0.035 $\chi^2/\text{NDF}: 478143.3/17$

All: -23.905 ± 0.025 $\chi^2/\text{NDF}: 864279.4/38$

- sign -24.633 ± 0.036 $\chi^2/\text{NDF}: 385327.7/20$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250 ± 0.615 χ^2/NDF : 1182.5/15

Left Out: 21.914 ± 1.250 χ^2/NDF : 12.0/1

Right Out: 9.450 ± 0.615 χ^2/NDF : 1836.6/18

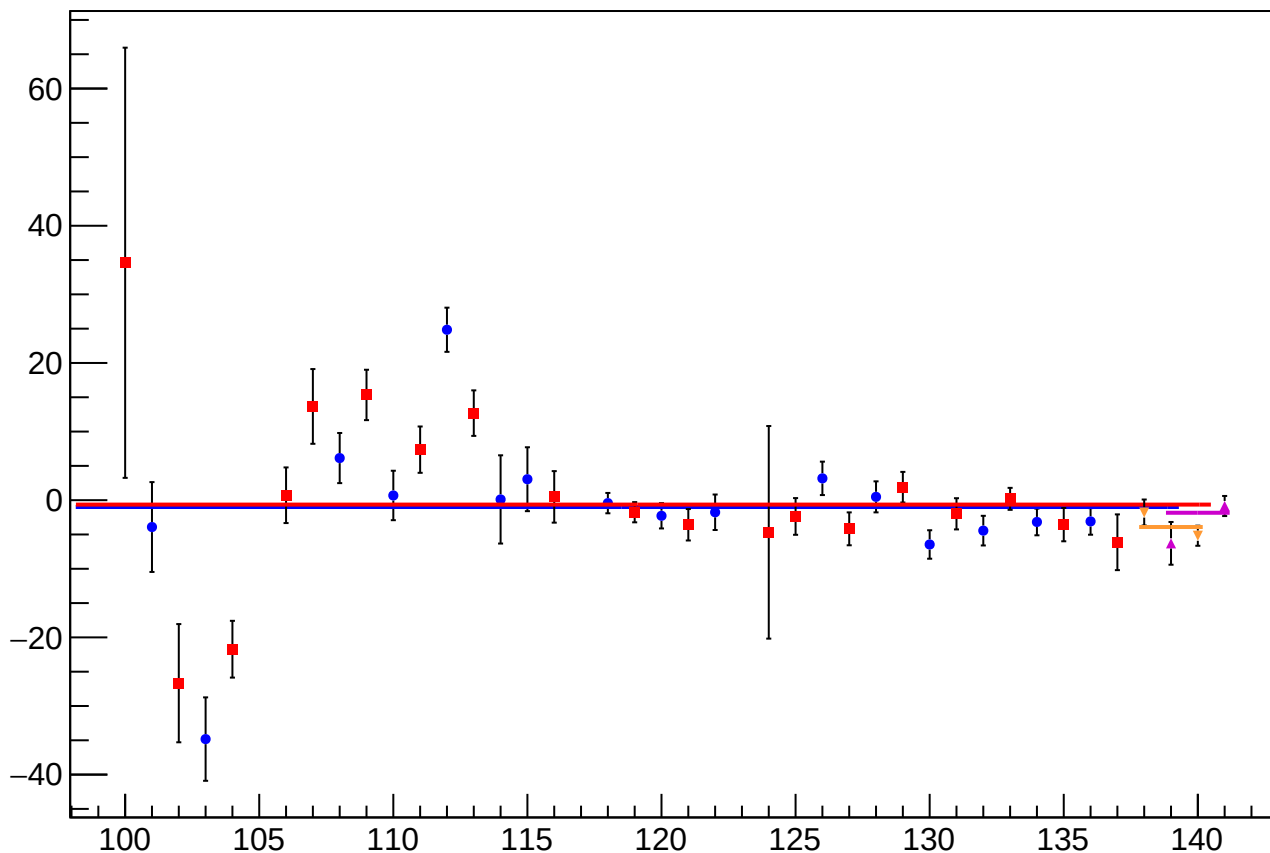
Left In: 15.305 ± 1.303 χ^2/NDF : 0.9/1

+ sign 14.937 ± 0.552 χ^2/NDF : 1233.1/17

All: 12.745 ± 0.392 χ^2/NDF : 3119.0/38

- sign 10.517 ± 0.556 χ^2/NDF : 1854.1/20

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993 ± 0.619 χ^2/NDF : 116.3/15

Left Out: -3.913 ± 1.159 χ^2/NDF : 2.0/1

Right Out: -0.644 ± 0.636 χ^2/NDF : 94.2/18

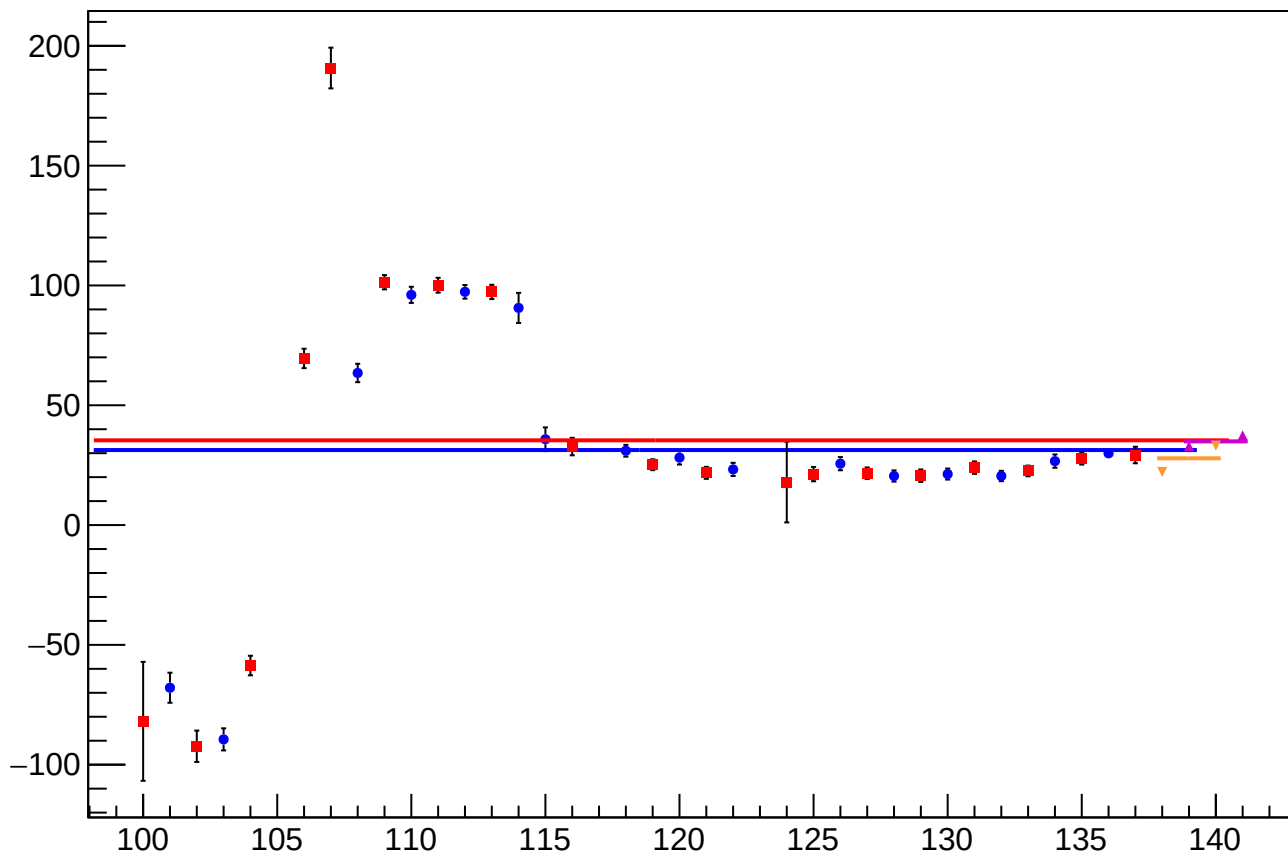
Left In: -1.835 ± 1.325 χ^2/NDF : 2.5/1

+ sign -1.641 ± 0.546 χ^2/NDF : 123.3/17

All: -1.273 ± 0.395 χ^2/NDF : 221.6/38

- sign -0.867 ± 0.573 χ^2/NDF : 97.4/20

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

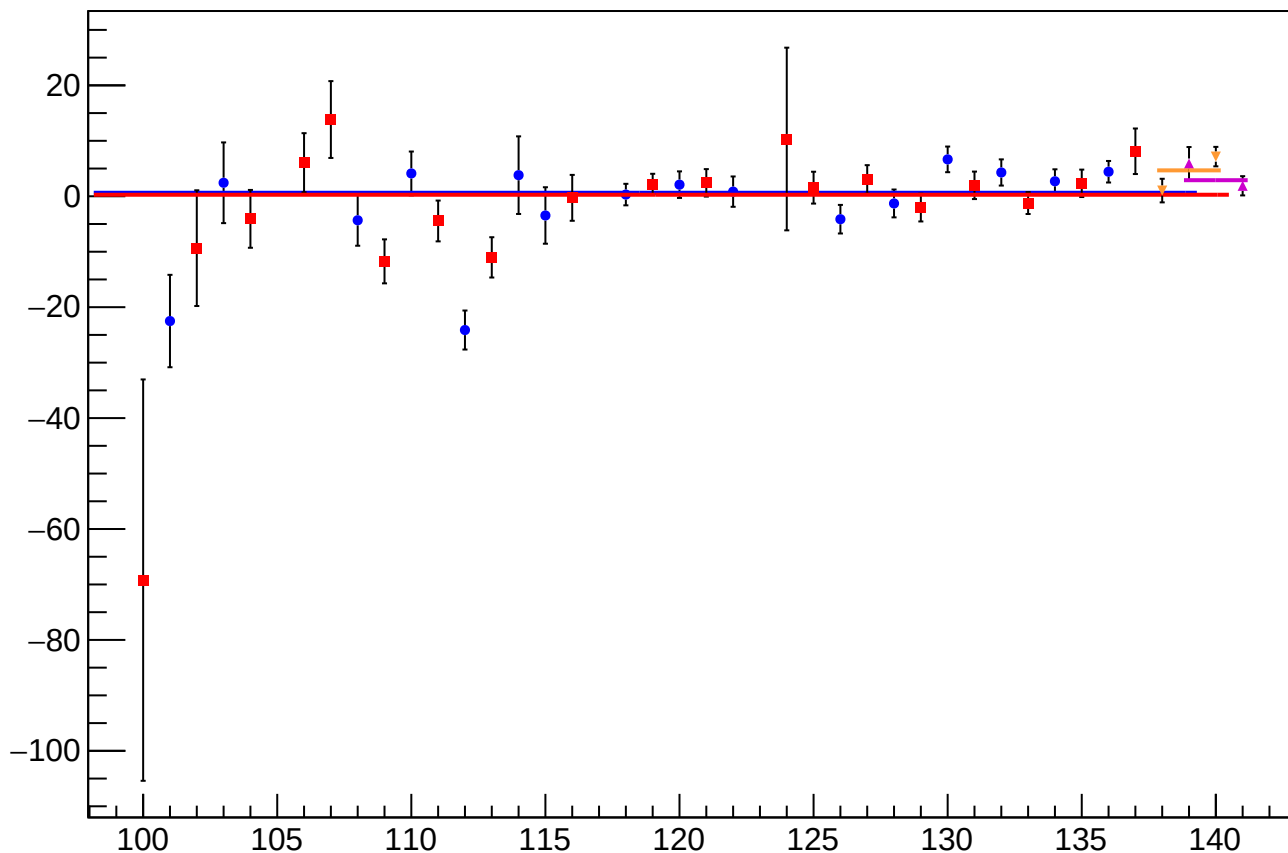
Left In: 34.923 $\pm$ 1.348 χ^2 /NDF:2.8/1

+ sign 30.532 $\pm$ 0.616 χ^2 /NDF: 2109.3/17

All: 32.835 $\pm$ 0.442 χ^2 /NDF: 5038.6/38

- sign 35.268 $\pm$ 0.633 χ^2 /NDF: 2900.5/20

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632 ± 0.705 χ^2/NDF : 78.4/15

Left Out: 4.672 ± 1.353 χ^2/NDF : 4.9/1

Right Out: 0.274 ± 0.726 χ^2/NDF : 40.5/18

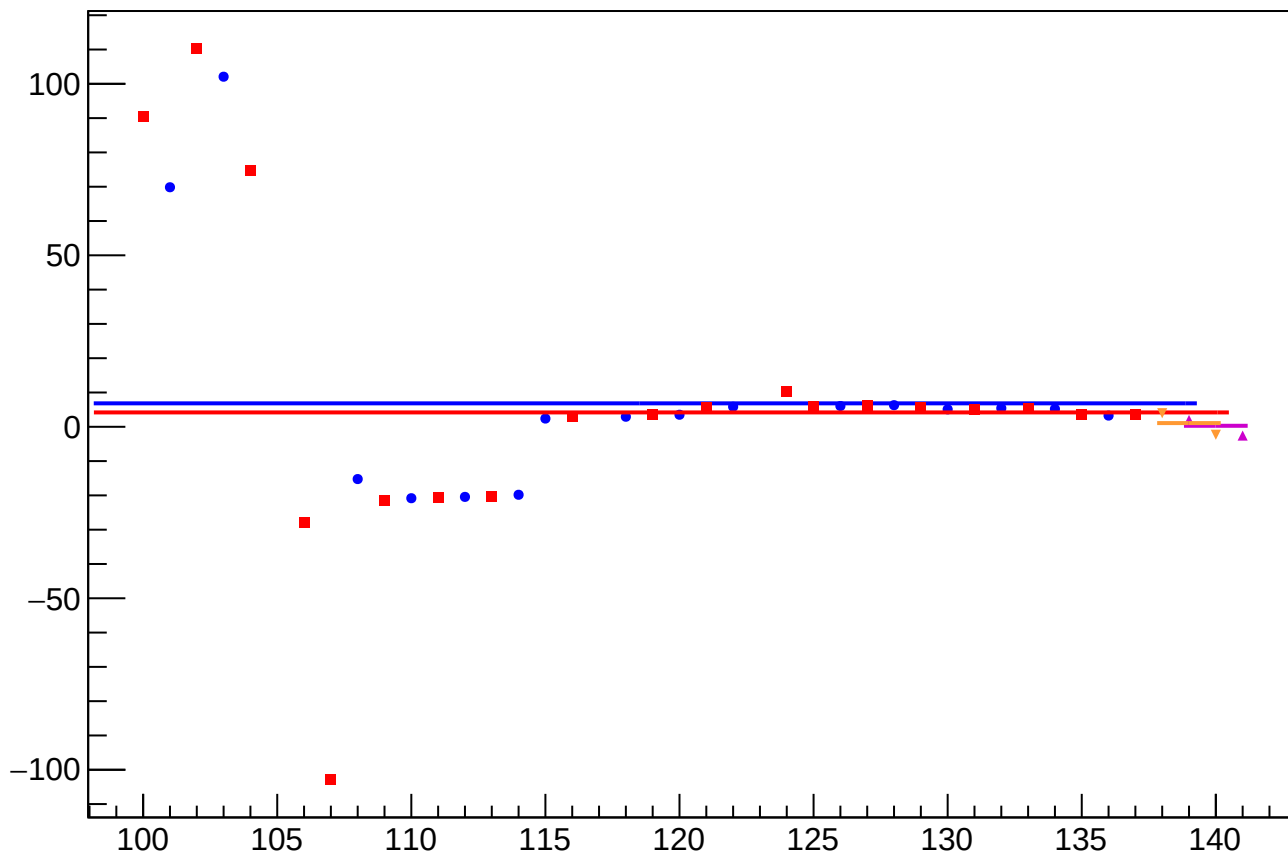
Left In: 2.898 ± 1.501 χ^2/NDF : 1.3/1

+ sign 1.494 ± 0.625 χ^2/NDF : 90.4/17

All: 1.149 ± 0.452 χ^2/NDF : 135.3/38

- sign 0.772 ± 0.654 χ^2/NDF : 44.3/20

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838 ± 0.043 χ^2/NDF : 320954.7/15

Left Out: 1.082 ± 0.054 χ^2/NDF : 3370.5/1

Right Out: 4.190 ± 0.046 χ^2/NDF : 434546.8/18

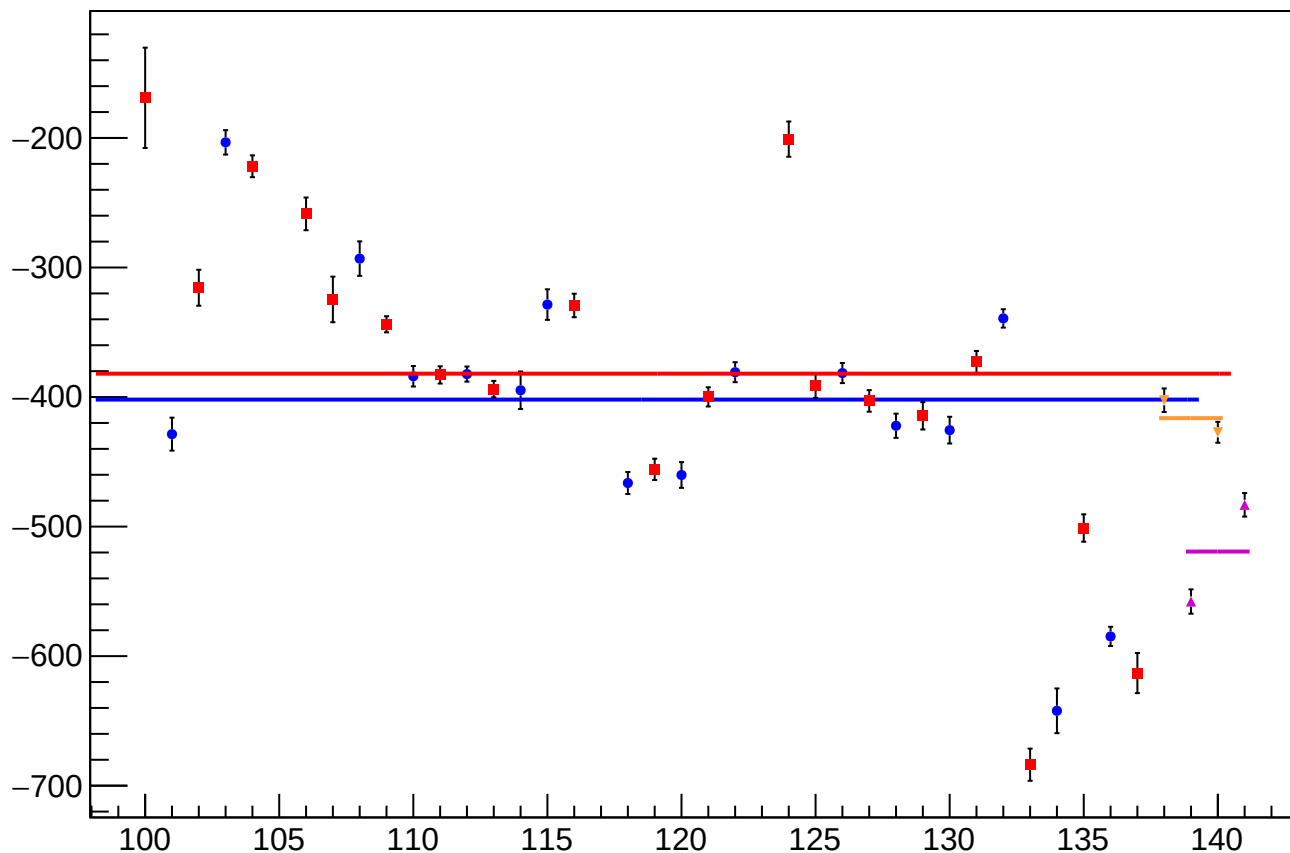
Left In: 0.295 ± 0.051 χ^2/NDF : 1883.7/1

+ sign 4.611 ± 0.034 χ^2/NDF : 331305.7/17

All: 3.539 ± 0.024 χ^2/NDF : 773030.8/38

- sign 2.424 ± 0.034 χ^2/NDF : 439640.9/20

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961 ± 2.236 $\chi^2/\text{NDF}: 1563.3/15$

Left Out: -416.277 ± 6.040 $\chi^2/\text{NDF}: 4.1/1$

Right Out: -381.949 ± 2.124 $\chi^2/\text{NDF}: 1817.4/18$

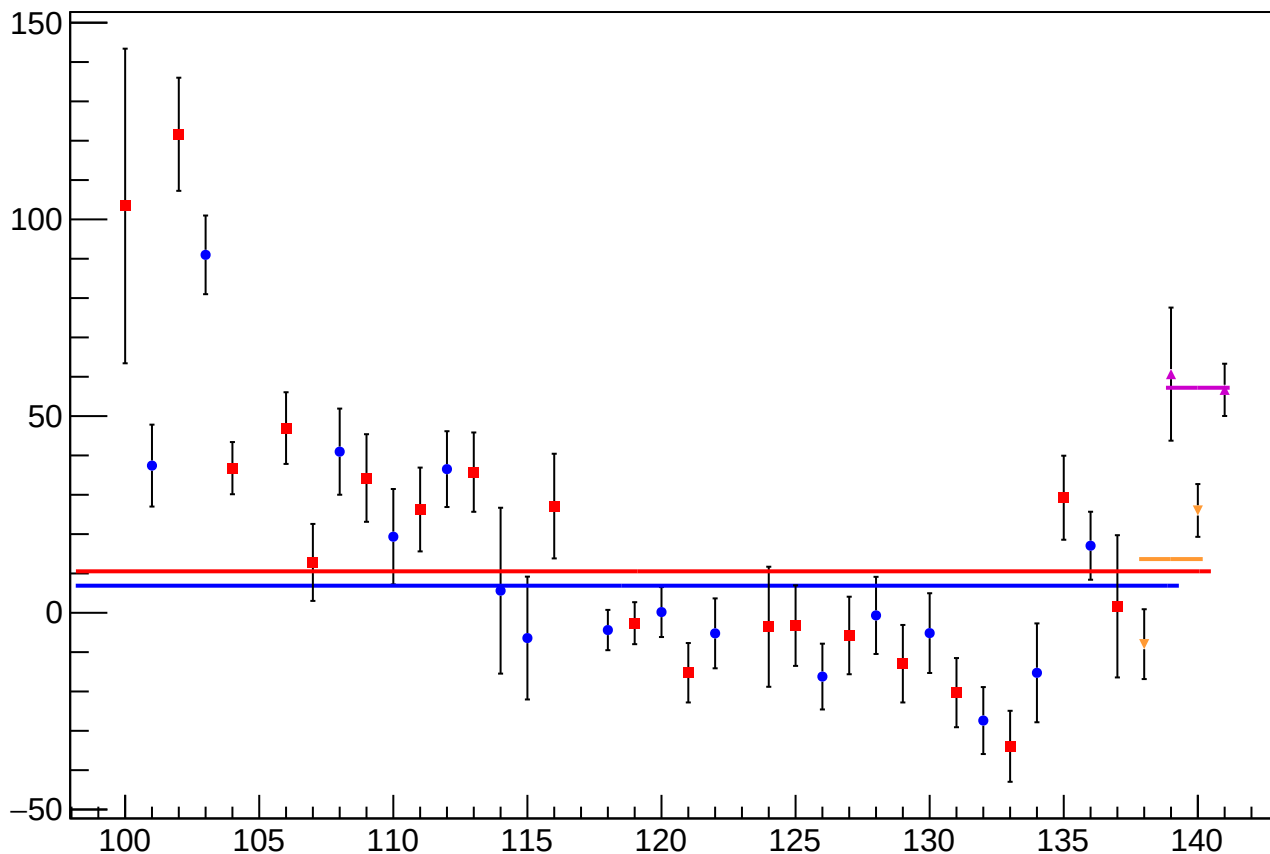
Left In: -519.277 ± 6.539 $\chi^2/\text{NDF}: 32.5/1$

+ sign -403.686 ± 2.097 $\chi^2/\text{NDF}: 1572.4/17$

All: -399.213 ± 1.455 $\chi^2/\text{NDF}: 3830.1/38$

- sign -395.060 ± 2.020 $\chi^2/\text{NDF}: 2248.9/20$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889 ± 2.264 χ^2/NDF : 138.4/15

Left Out: 13.657 ± 5.352 χ^2/NDF : 9.3/1

Right Out: 10.544 ± 2.197 χ^2/NDF : 180.0/18

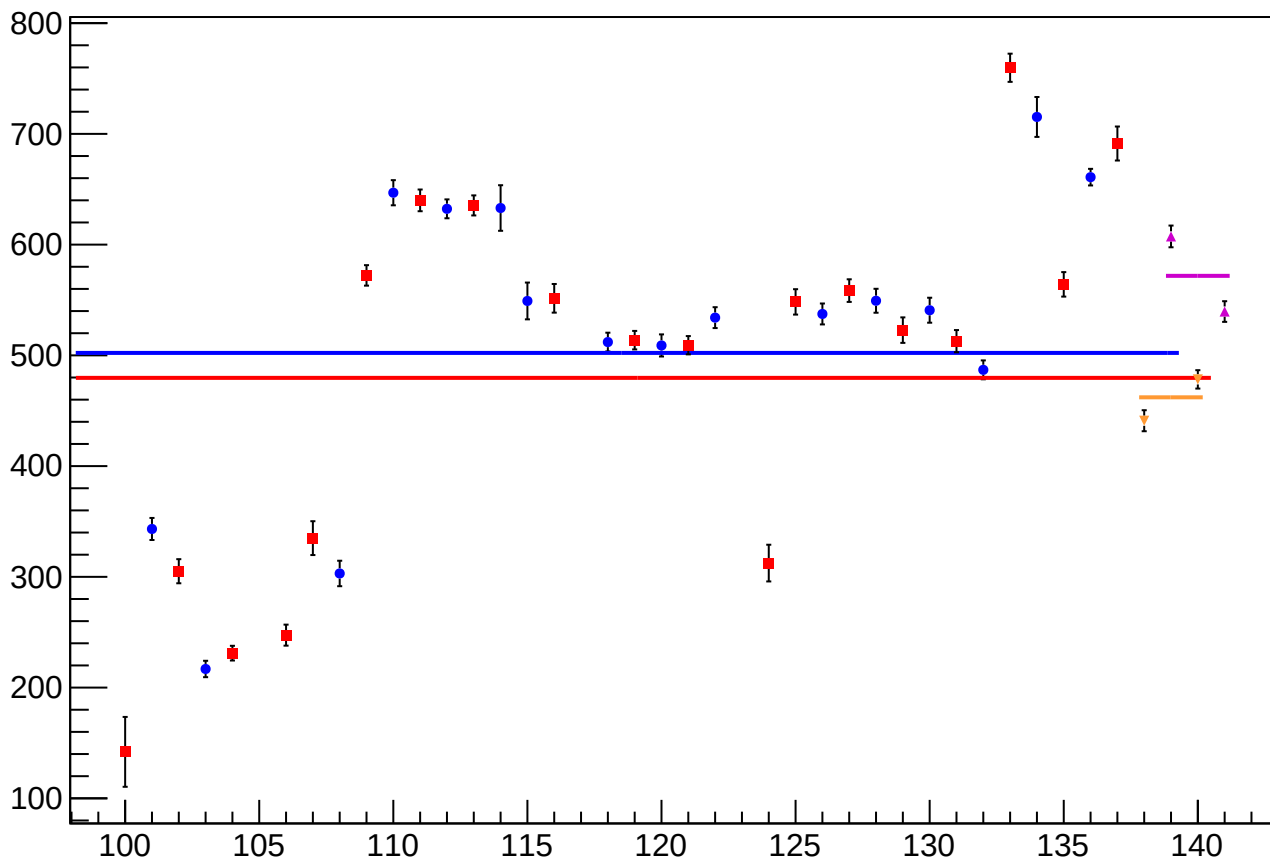
Left In: 57.205 ± 6.184 χ^2/NDF : 0.0/1

+ sign 7.917 ± 2.085 χ^2/NDF : 149.1/17

All: 11.874 ± 1.469 χ^2/NDF : 386.9/38

- sign 15.774 ± 2.070 χ^2/NDF : 230.6/20

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213 $\pm$ 2.493 χ^2/NDF : 3135.2/15

Left Out: 462.111 $\pm$ 6.250 χ^2/NDF : 8.8/1

Right Out: 479.679 $\pm$ 2.399 χ^2/NDF : 4138.5/18

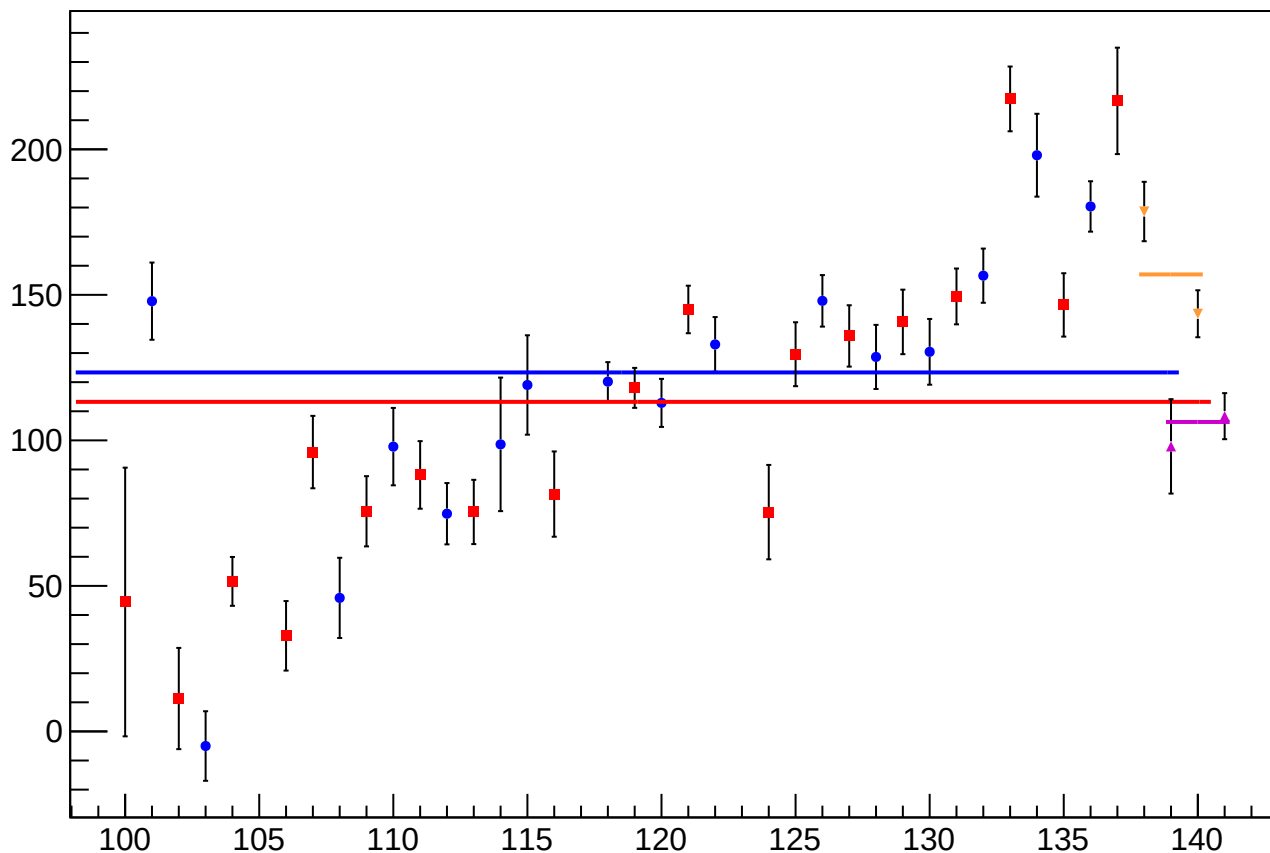
Left In: 571.807 $\pm$ 6.759 χ^2/NDF : 25.1/1

+ sign 496.709 $\pm$ 2.315 χ^2/NDF : 3179.5/17

All: 493.268 $\pm$ 1.618 χ^2/NDF : 7512.4/38

- sign 489.987 $\pm$ 2.261 χ^2/NDF : 4328.6/20

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

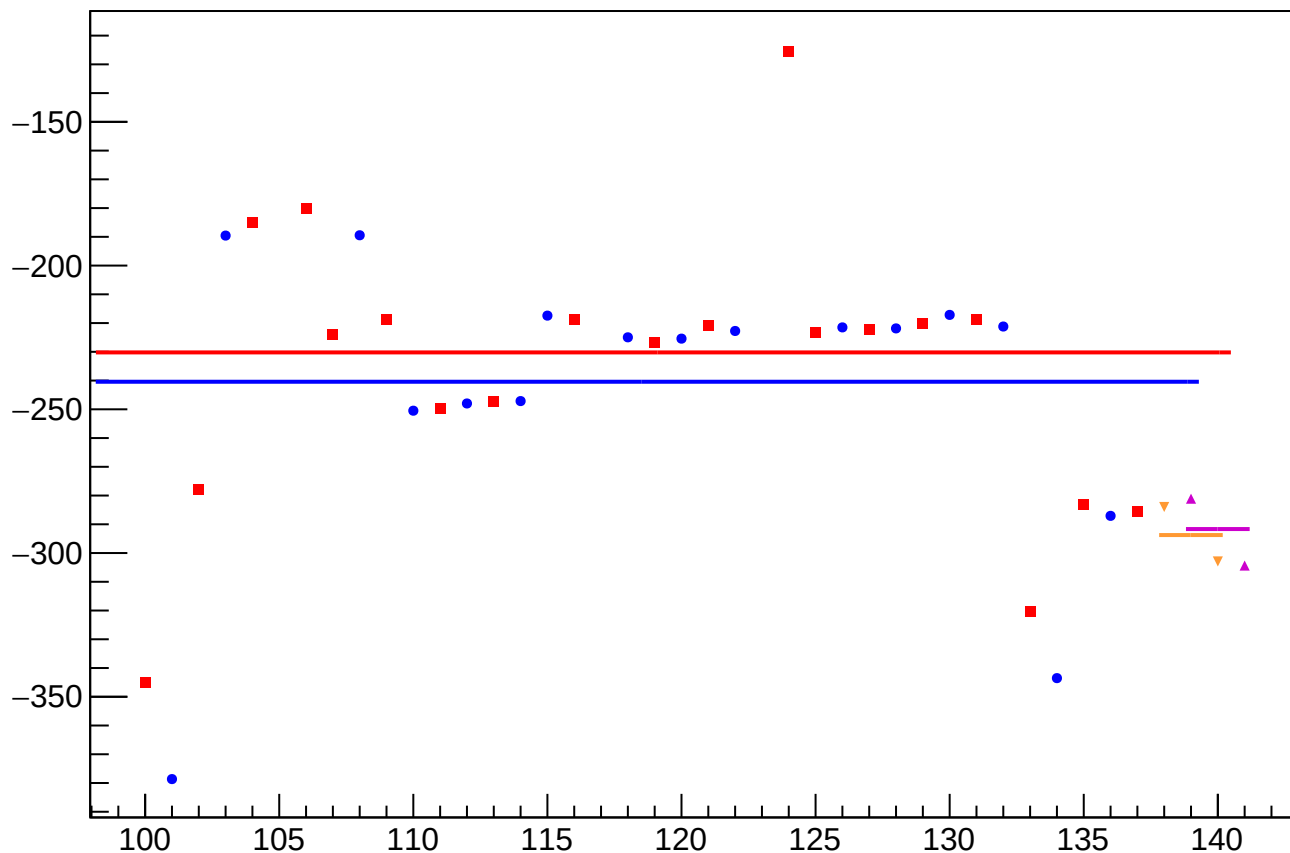
Left In: 106.323 $\pm$ 7.110 χ^2 /NDF: 0.3/1

+ sign 128.292 $\pm$ 2.426 χ^2 /NDF: 302.8/17

All: 120.271 $\pm$ 1.705 χ^2 /NDF: 671.3/38

- sign 112.450 $\pm$ 2.396 χ^2 /NDF: 346.9/20

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF : 134152.1/15

Left Out: -293.744+/-0.266 χ^2/NDF : 1264.6/1

Right Out: -230.207+/-0.146 χ^2/NDF : 83431.4/18

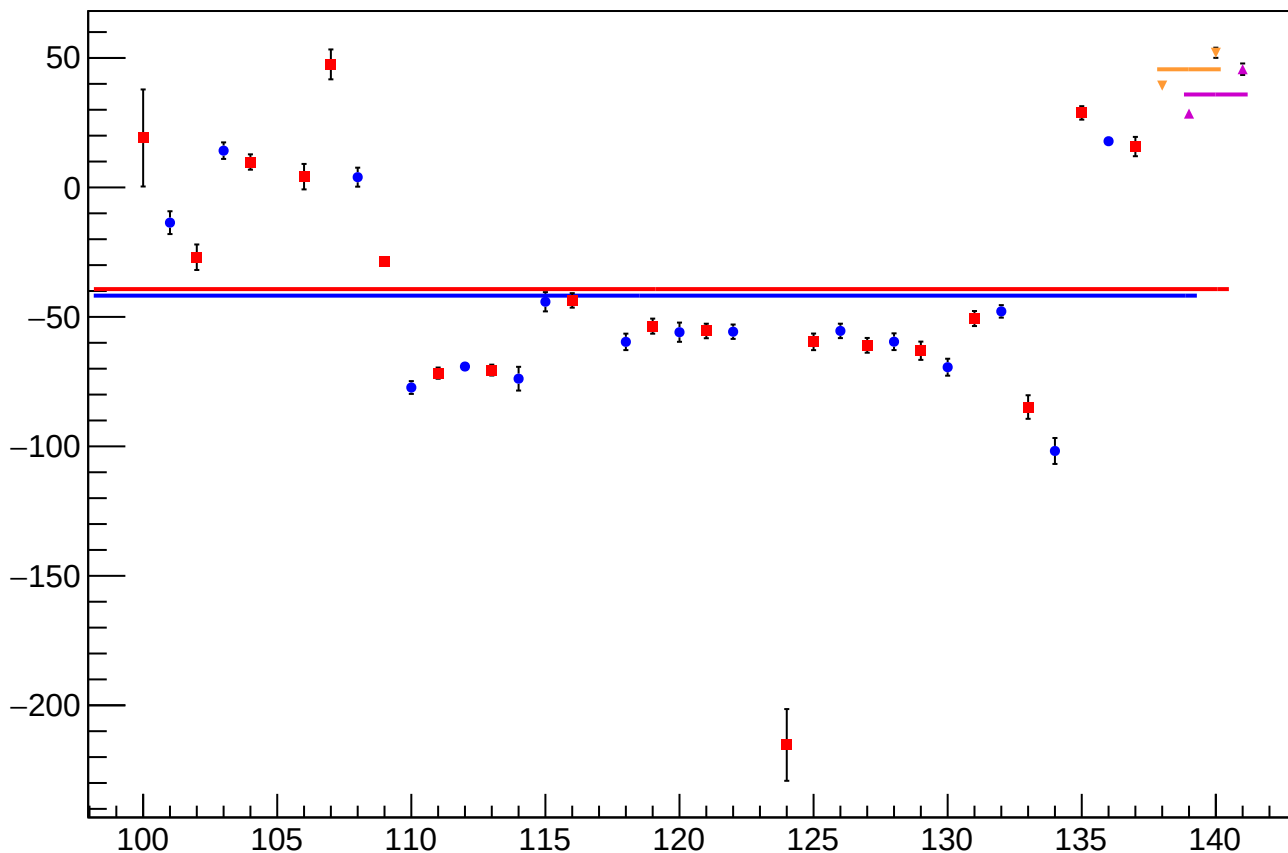
Left In: -291.654+/-0.258 χ^2/NDF : 2010.9/1

+ sign -253.341+/-0.131 χ^2/NDF : 165815.6/17

All: -249.137+/-0.091 χ^2/NDF : 296087.1/38

- sign -245.165+/-0.127 χ^2/NDF : 128271.4/20

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788 ± 0.723 χ^2/NDF : 2405.5/15

Left Out: 45.623 ± 1.384 χ^2/NDF : 21.0/1

Right Out: -39.263 ± 0.680 χ^2/NDF : 2478.3/18

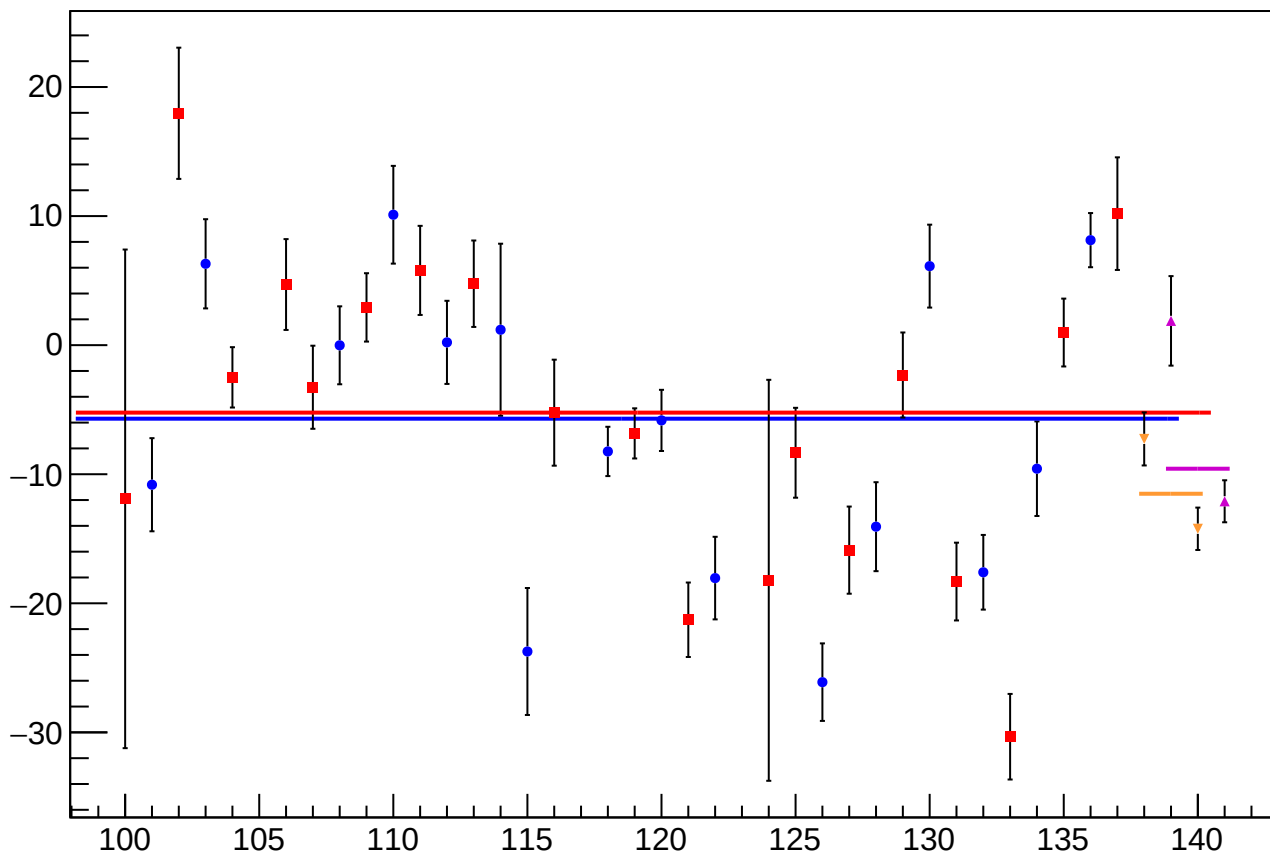
Left In: 35.899 ± 1.453 χ^2/NDF : 34.1/1

+ sign -23.037 ± 0.641 χ^2/NDF : 5560.9/17

All: -24.458 ± 0.444 χ^2/NDF : 10278.6/38

- sign -25.769 ± 0.616 χ^2/NDF : 4708.2/20

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697 ± 0.753 χ^2/NDF : 196.7/15

Left Out: -11.513 ± 1.282 χ^2/NDF : 7.0/1

Right Out: -5.227 ± 0.740 χ^2/NDF : 197.3/18

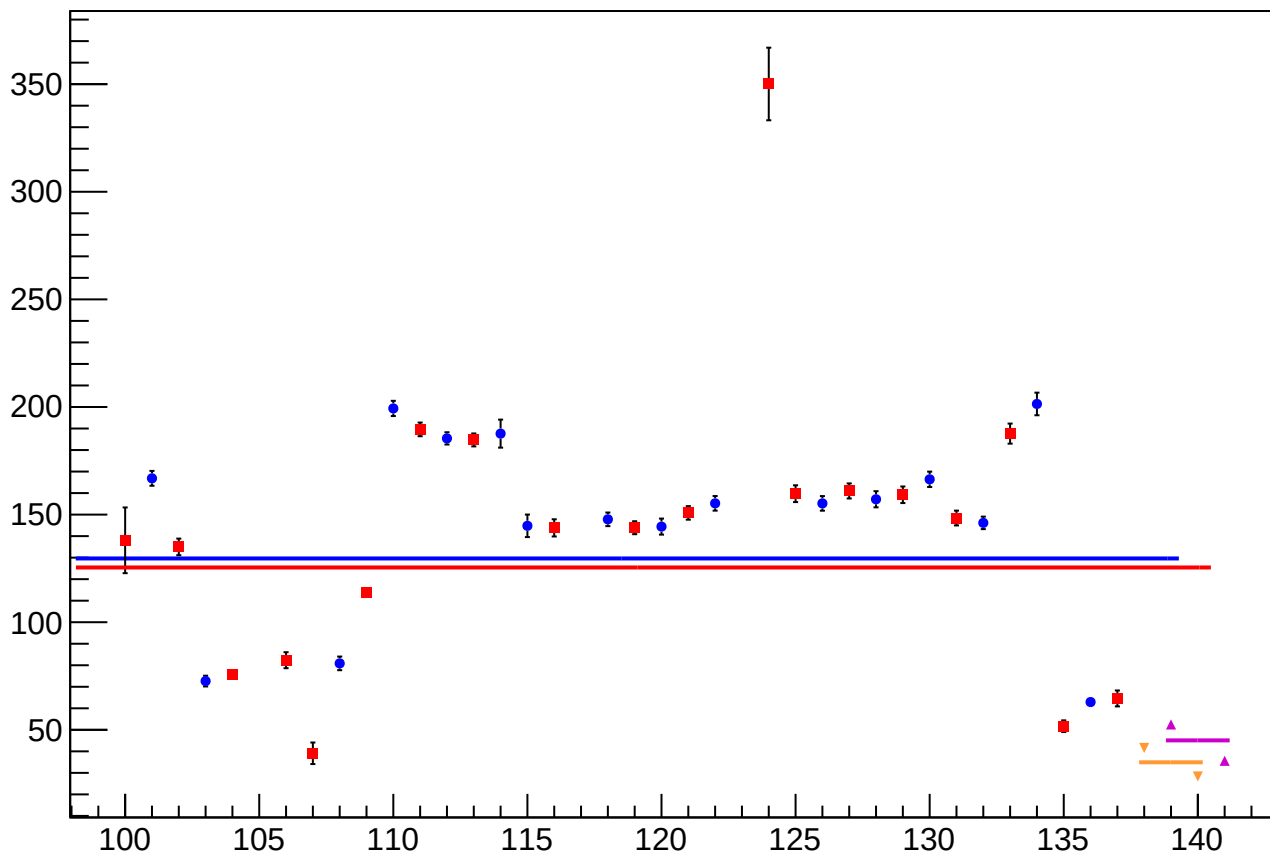
Left In: -9.573 ± 1.473 χ^2/NDF : 13.3/1

+ sign -7.188 ± 0.649 χ^2/NDF : 219.0/17

All: -6.655 ± 0.463 χ^2/NDF : 438.0/38

- sign -6.102 ± 0.661 χ^2/NDF : 217.6/20

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

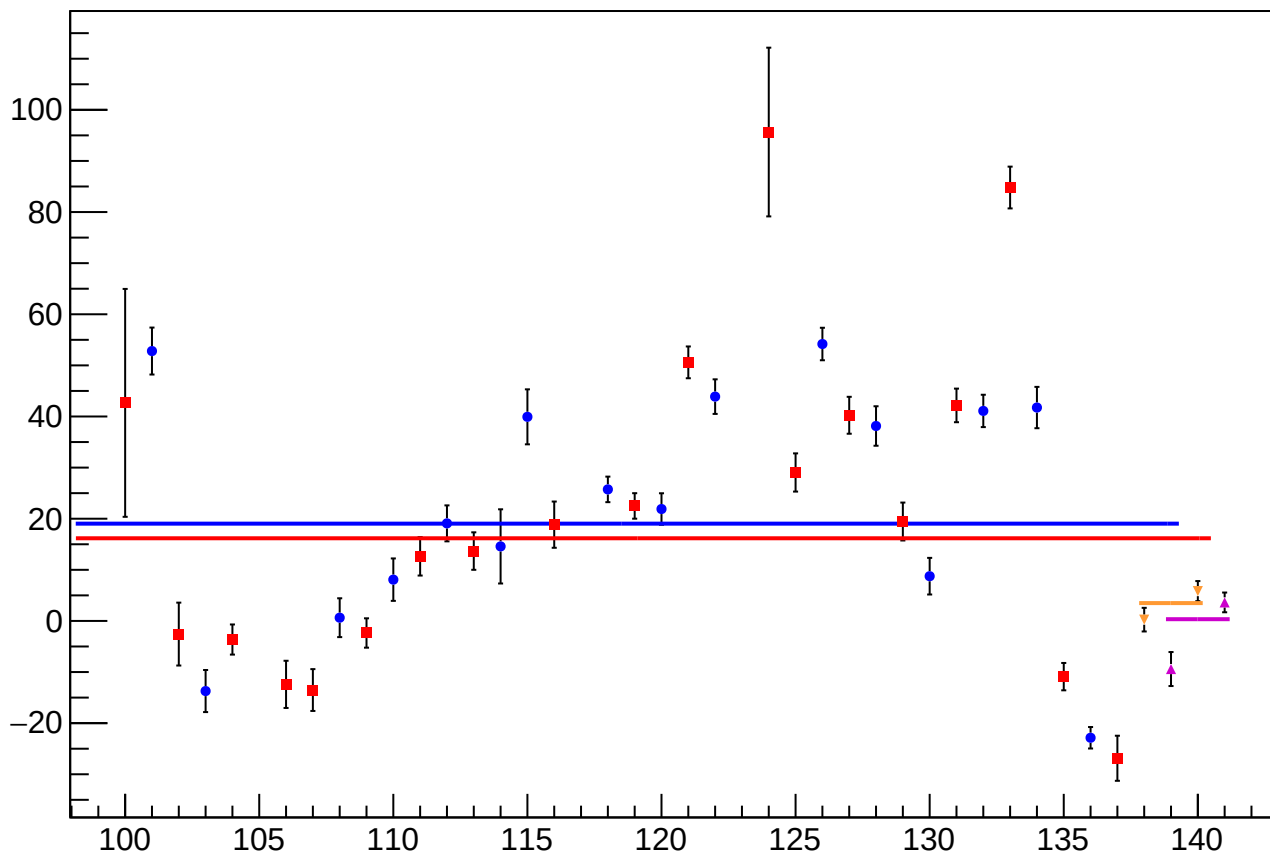
Left In: 45.095 $\pm$ 1.504 χ^2 /NDF:31.0/1

+ sign 107.112 $\pm$ 0.699 χ^2 /NDF: 6971.7/17

All: 107.591 $\pm$ 0.494 χ^2 /NDF: 12743.1/38

- sign 108.071 $\pm$ 0.699 χ^2 /NDF: 5770.5/20

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035 ± 0.860 $\chi^2/\text{NDF}: 858.1/15$

Left Out: 3.492 ± 1.497 $\chi^2/\text{NDF}: 3.4/1$

Right Out: 16.173 ± 0.846 $\chi^2/\text{NDF}: 941.3/18$

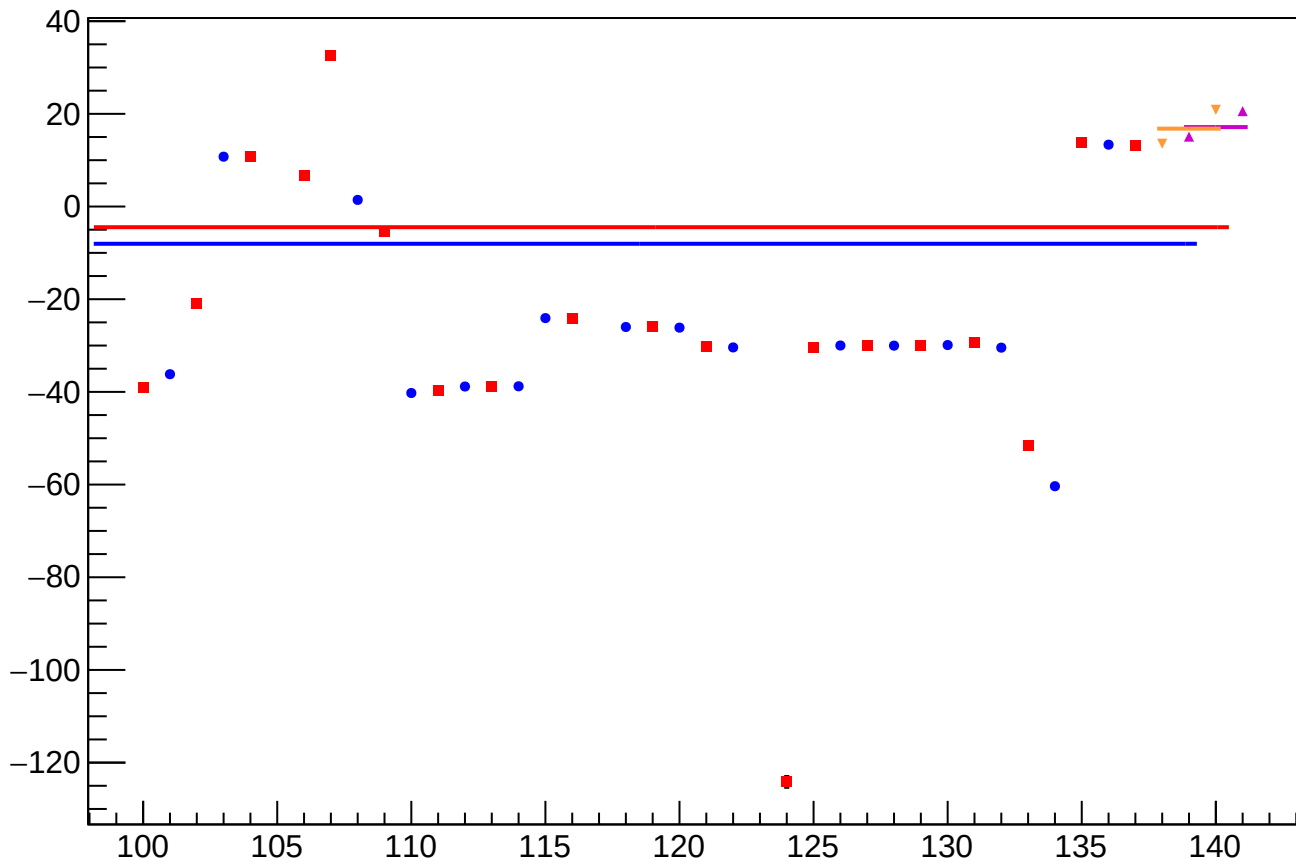
Left In: 0.341 ± 1.669 $\chi^2/\text{NDF}: 11.5/1$

+ sign 15.179 ± 0.746 $\chi^2/\text{NDF}: 942.5/17$

All: 14.072 ± 0.530 $\chi^2/\text{NDF}: 1971.3/38$

- sign 12.938 ± 0.755 $\chi^2/\text{NDF}: 1024.3/20$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038 ± 0.046 $\chi^2/\text{NDF}: 267883.6/15$

Left Out: 16.810 ± 0.060 $\chi^2/\text{NDF}: 3709.1/1$

Right Out: -4.461 ± 0.047 $\chi^2/\text{NDF}: 228422.2/18$

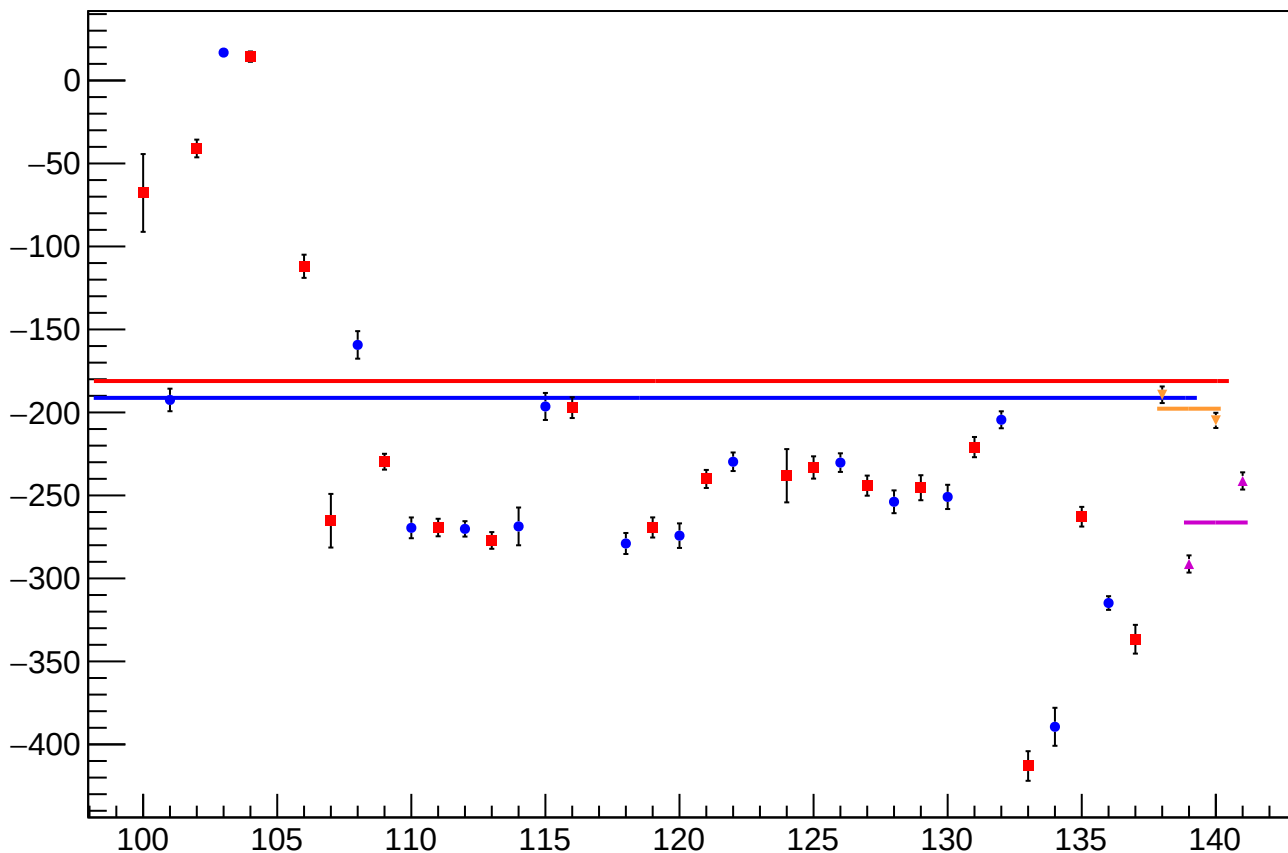
Left In: 17.146 ± 0.057 $\chi^2/\text{NDF}: 2211.0/1$

+ sign 1.179 ± 0.036 $\chi^2/\text{NDF}: 380644.6/17$

All: 2.758 ± 0.026 $\chi^2/\text{NDF}: 701569.7/38$

- sign 4.312 ± 0.036 $\chi^2/\text{NDF}: 317182.5/20$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225 ± 1.419 $\chi^2/\text{NDF}: 7224.7/15$

Left Out: -197.743 ± 3.378 $\chi^2/\text{NDF}: 5.2/1$

Right Out: -181.080 ± 1.383 $\chi^2/\text{NDF}: 7374.0/18$

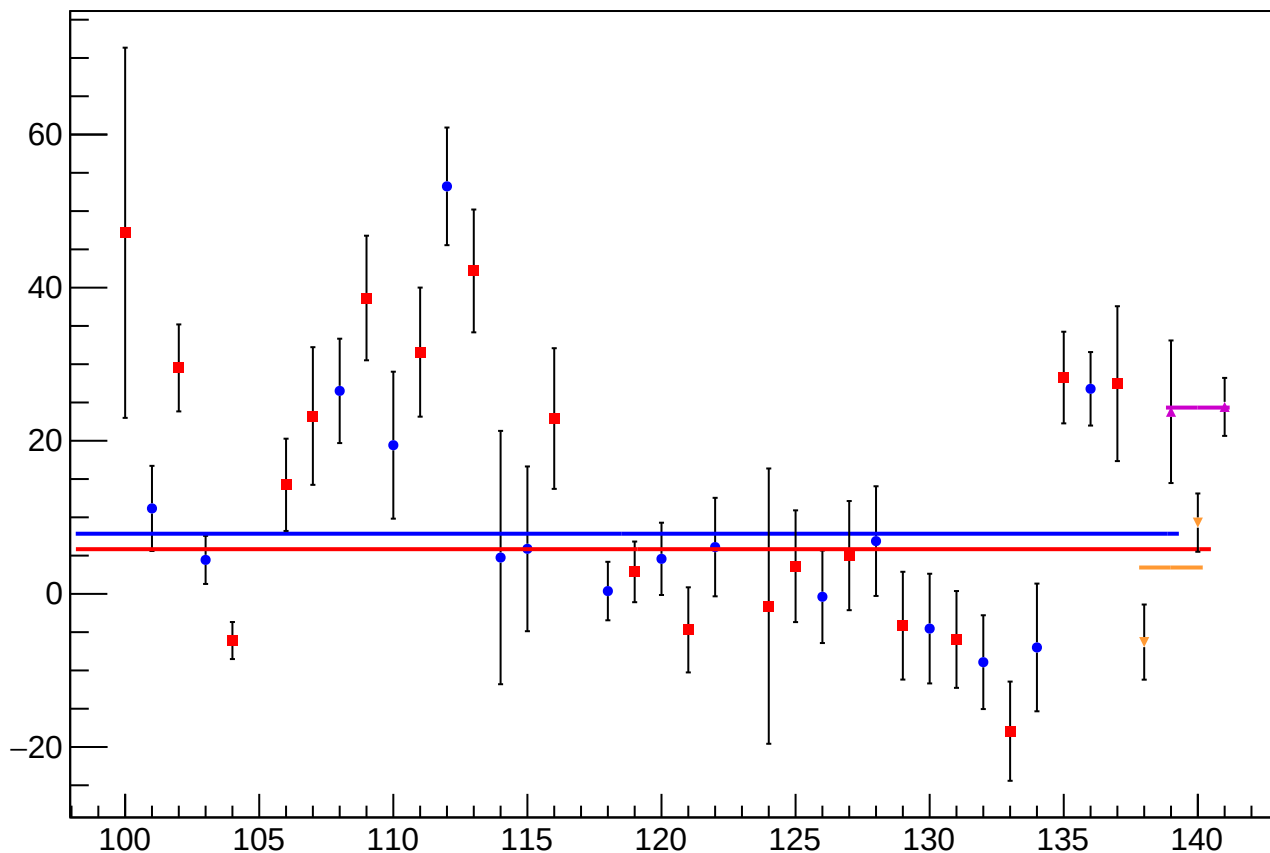
Left In: -266.311 ± 3.664 $\chi^2/\text{NDF}: 46.6/1$

+ sign -192.202 ± 1.308 $\chi^2/\text{NDF}: 7233.0/17$

All: -191.950 ± 0.920 $\chi^2/\text{NDF}: 15127.4/38$

- sign -191.703 ± 1.293 $\chi^2/\text{NDF}: 7894.3/20$

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 $\chi^2/\text{NDF}: 141.9/18$

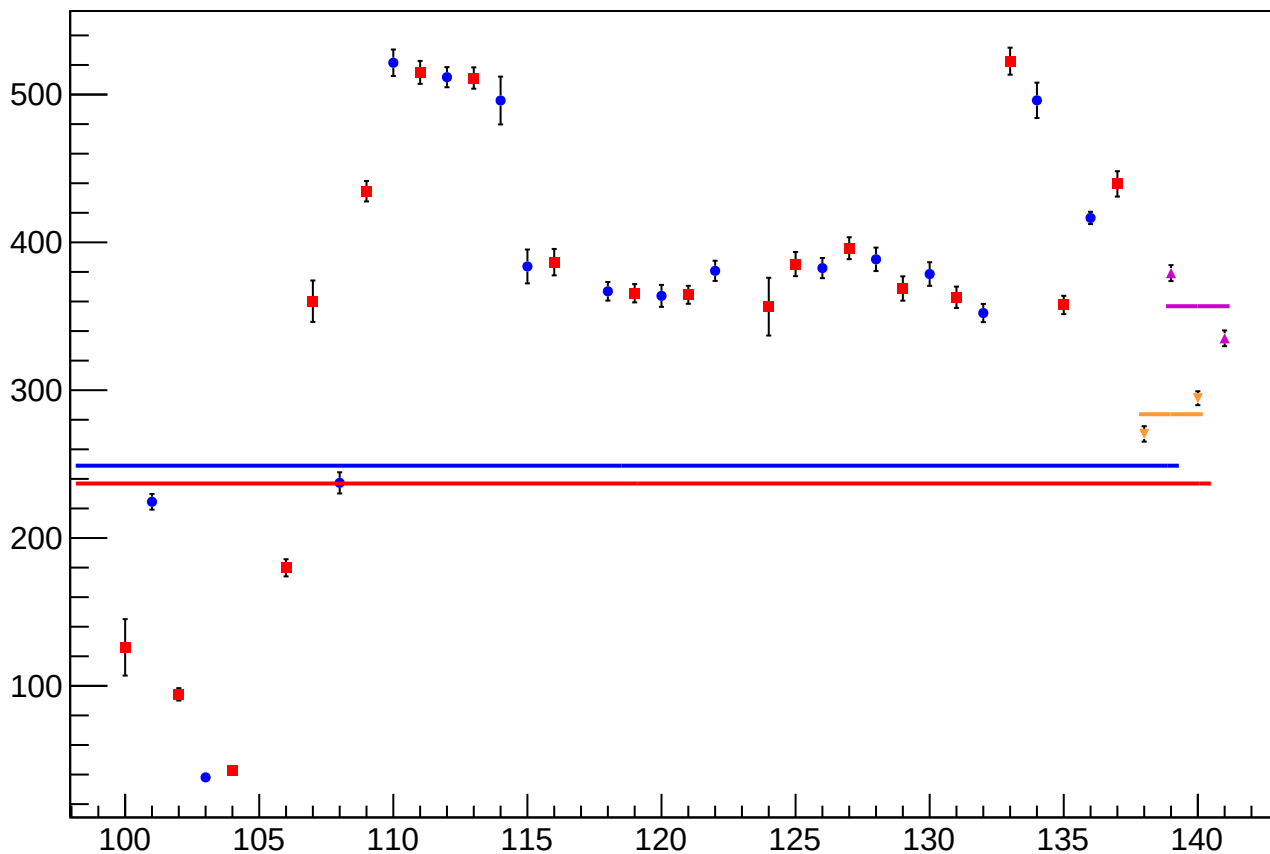
Left In: 24.334 ± 3.509 $\chi^2/\text{NDF}: 0.0/1$

+ sign 7.038 ± 1.297 $\chi^2/\text{NDF}: 89.0/17$

All: 7.655 ± 0.905 $\chi^2/\text{NDF}: 255.5/38$

- sign 8.241 ± 1.264 $\chi^2/\text{NDF}: 166.0/20$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932 ± 1.422 $\chi^2/\text{NDF}: 15302.2/15$

Left Out: 283.729 ± 3.496 $\chi^2/\text{NDF}: 11.8/1$

Right Out: 236.871 ± 1.407 $\chi^2/\text{NDF}: 15657.3/18$

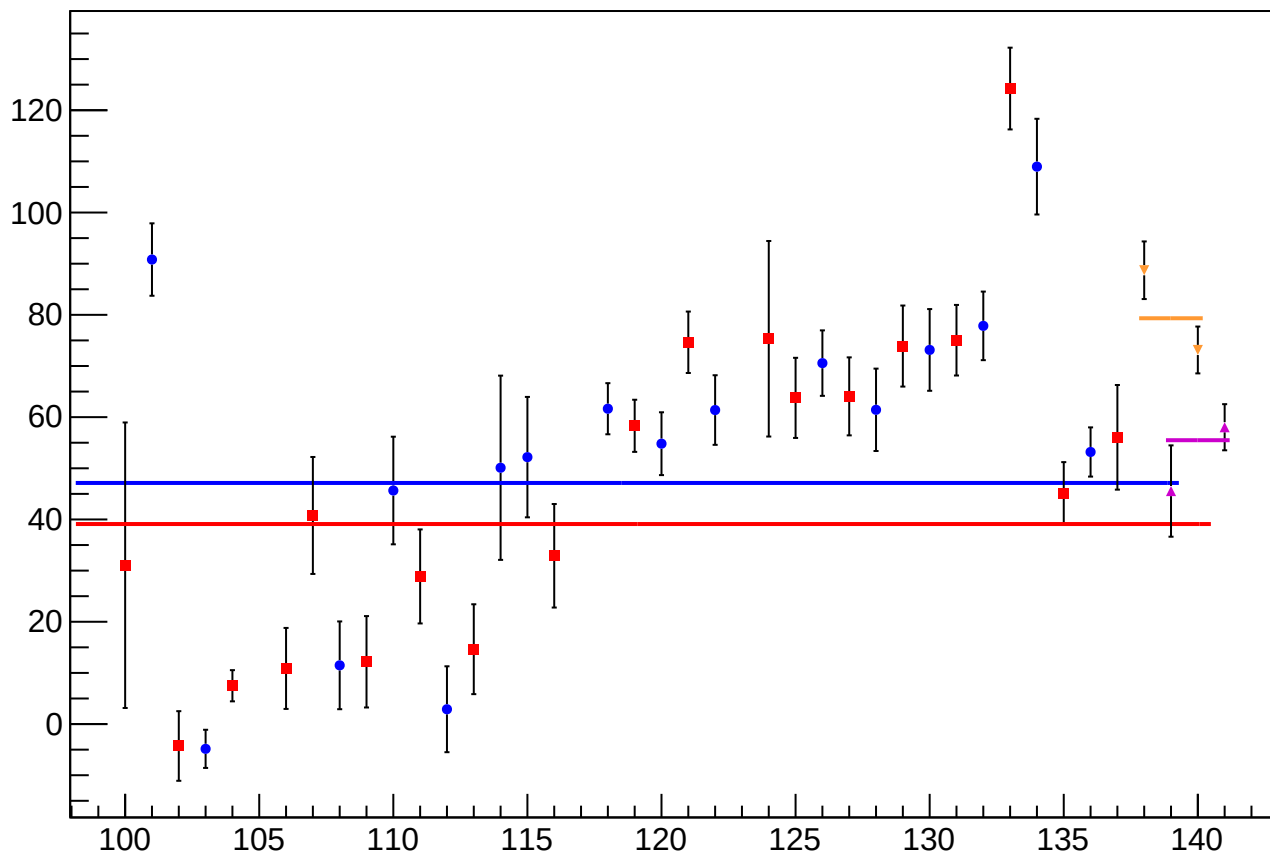
Left In: 356.805 ± 3.789 $\chi^2/\text{NDF}: 33.9/1$

+ sign 253.870 ± 1.317 $\chi^2/\text{NDF}: 15399.0/17$

All: 252.637 ± 0.932 $\chi^2/\text{NDF}: 31972.7/38$

- sign 251.401 ± 1.319 $\chi^2/\text{NDF}: 16571.9/20$

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

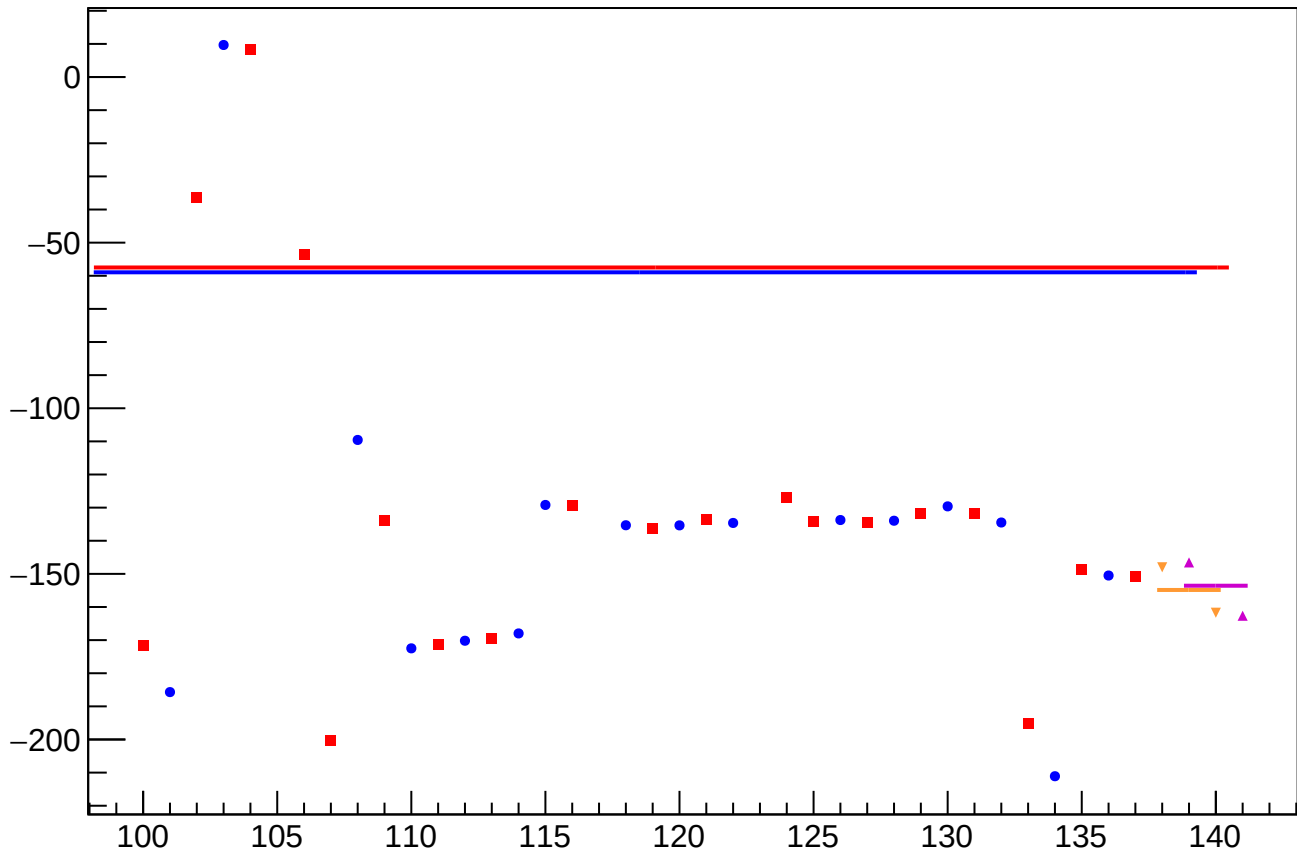
Left In: 55.493 $\pm$ 4.025 χ^2 /NDF: 1.6/1

+ sign 52.950 $\pm$ 1.510 χ^2 /NDF: 457.2/17

All: 47.039 $\pm$ 1.058 χ^2 /NDF: 919.7/38

- sign 41.331 $\pm$ 1.484 χ^2 /NDF: 432.3/20

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956 ± 0.073 χ^2/NDF : 1227079.0/15

Left Out: -154.858 ± 0.149 χ^2/NDF : 2131.7/1

Right Out: -57.497 ± 0.074 χ^2/NDF : 871305.9/18

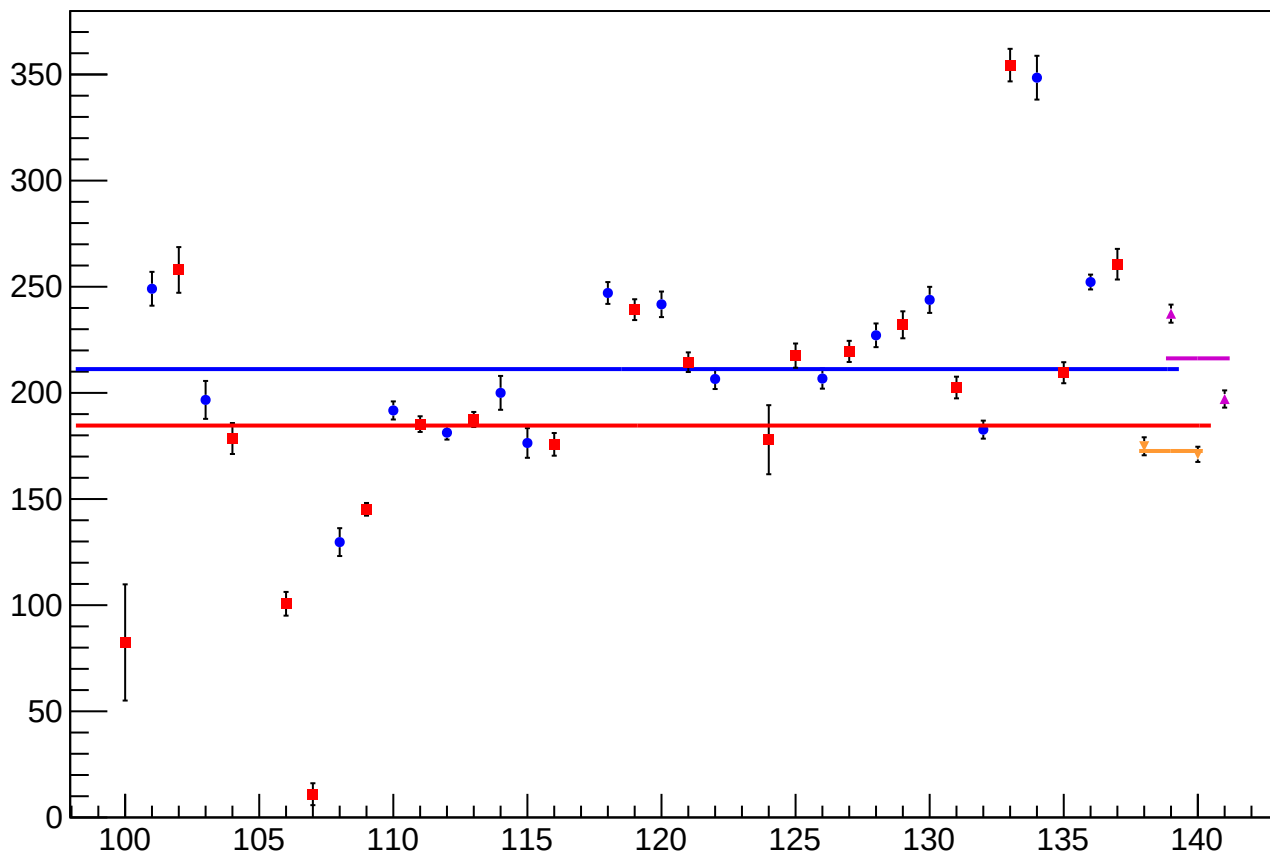
Left In: -153.577 ± 0.144 χ^2/NDF : 3061.9/1

+ sign -77.455 ± 0.065 χ^2/NDF : 1565733.0/17

All: -77.531 ± 0.046 χ^2/NDF : 2790500.3/38

- sign -77.608 ± 0.066 χ^2/NDF : 1224764.5/20

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

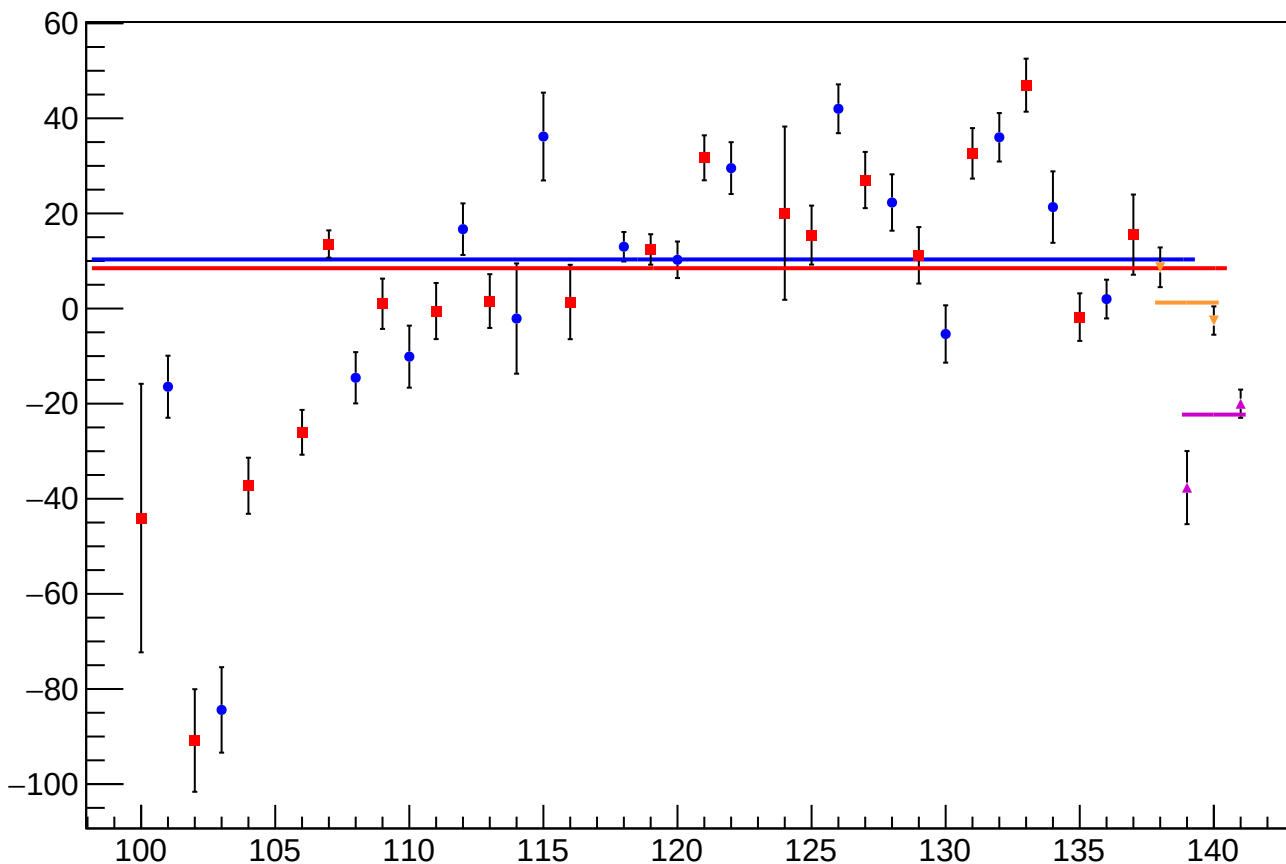
Left In: 216.264 $\pm$ 2.938 χ^2 /NDF: 46.7/1

+ sign 204.153 $\pm$ 1.171 χ^2 /NDF: 945.6/17

All: 196.195 $\pm$ 0.804 χ^2 /NDF: 3719.6/38

- sign 189.099 $\pm$ 1.106 χ^2 /NDF: 2686.7/20

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF : 263.3/15

Left Out: 1.257+/-2.427 χ^2/NDF : 4.8/1

Right Out: 8.480+/-1.225 χ^2/NDF : 322.3/18

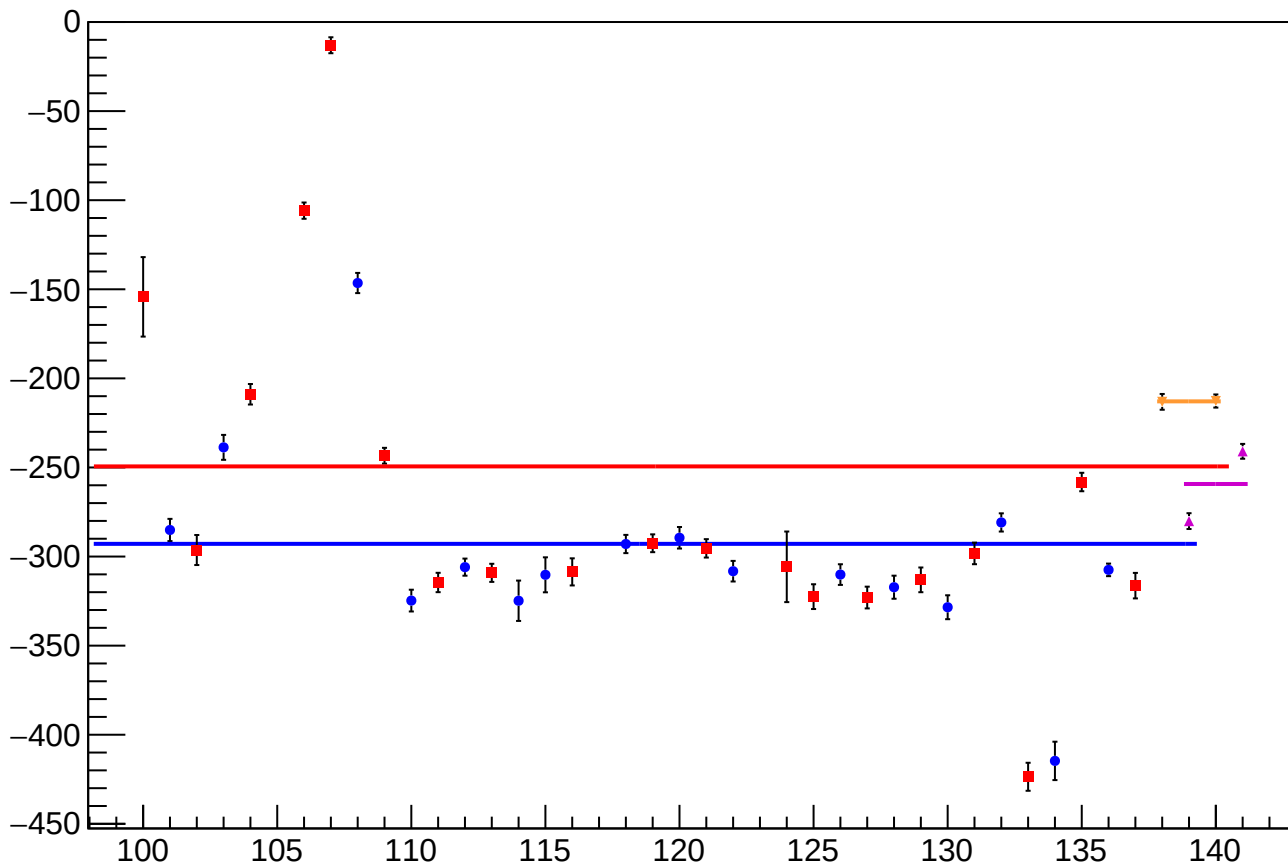
Left In: -22.303+/-2.769 χ^2/NDF : 4.6/1

+ sign 8.227+/-1.168 χ^2/NDF : 278.8/17

All: 5.735+/-0.808 χ^2/NDF : 717.8/38

- sign 3.445+/-1.120 χ^2/NDF : 430.3/20

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872 ± 1.467 χ^2/NDF : 983.5/15

Left Out: -212.903 ± 2.833 χ^2/NDF : 0.0/1

Right Out: -249.407 ± 1.369 χ^2/NDF : 5368.5/18

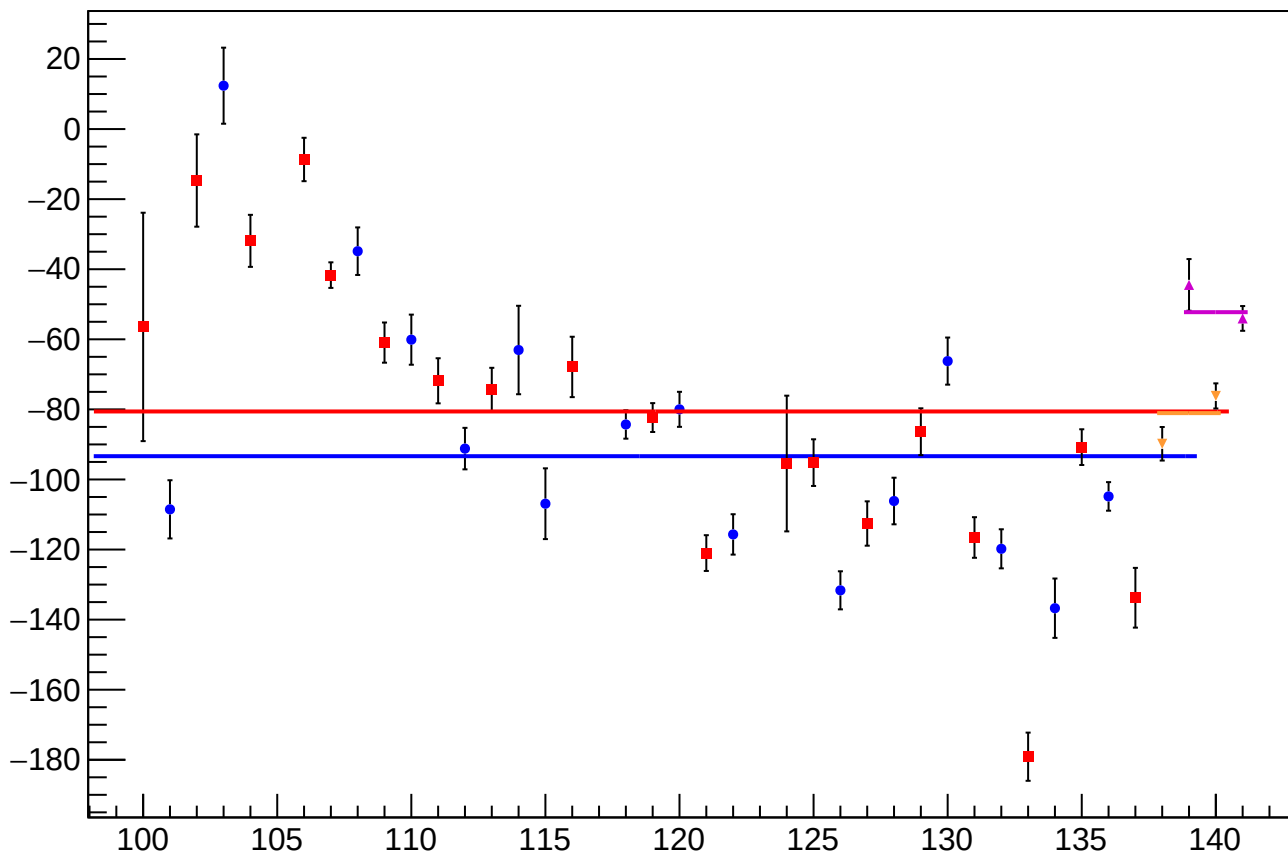
Left In: -259.281 ± 3.036 χ^2/NDF : 41.4/1

+ sign -275.950 ± 1.303 χ^2/NDF : 1611.8/17

All: -262.974 ± 0.901 χ^2/NDF : 7220.6/38

- sign -251.075 ± 1.248 χ^2/NDF : 5418.7/20

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357 ± 1.534 χ^2/NDF : 355.3/15

Left Out: -81.065 ± 2.869 χ^2/NDF : 5.2/1

Right Out: -80.592 ± 1.424 χ^2/NDF : 715.3/18

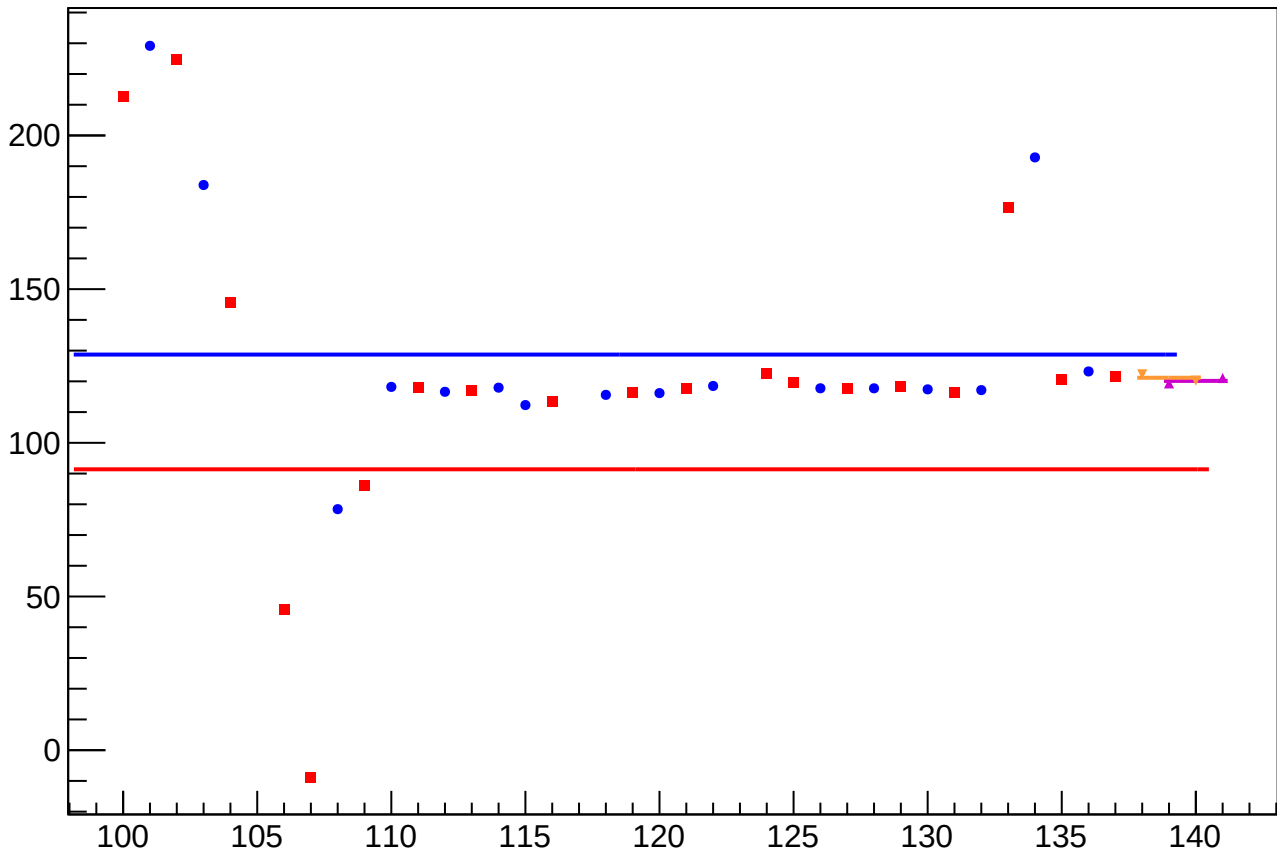
Left In: -52.255 ± 3.185 χ^2/NDF : 1.4/1

+ sign -90.623 ± 1.353 χ^2/NDF : 374.8/17

All: -82.953 ± 0.937 χ^2/NDF : 1219.3/38

- sign -75.872 ± 1.300 χ^2/NDF : 782.7/20

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

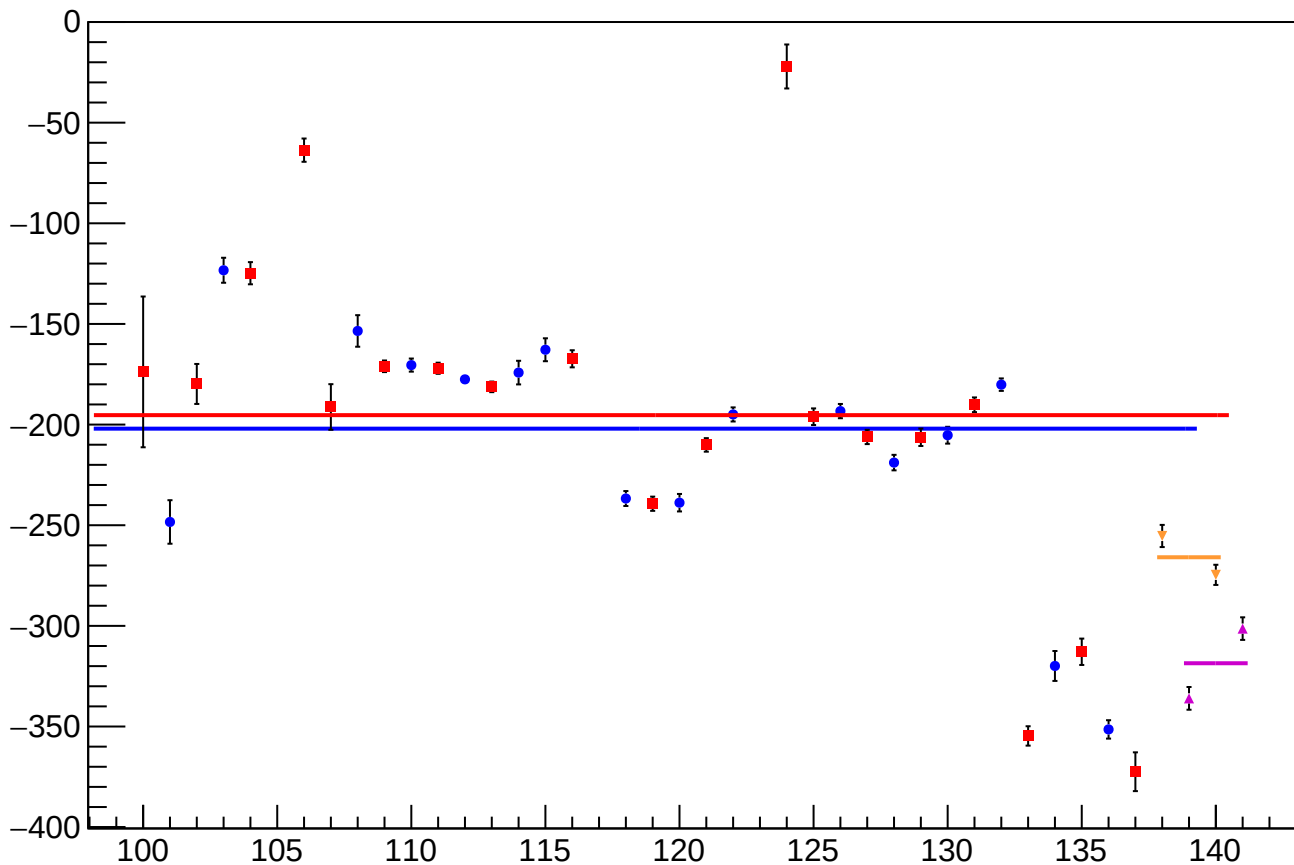
Left In: 120.149 $\pm$ 0.116 χ^2 /NDF:56.4/1

+ sign 126.052 $\pm$ 0.072 χ^2 /NDF: 186124.8/17

All: 112.088 $\pm$ 0.048 χ^2 /NDF: 902399.4/38

- sign 100.478 $\pm$ 0.065 χ^2 /NDF: 646814.7/20

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020 $\pm$ 1.024 χ^2 /NDF: 2040.4/15

Left Out: -265.915 $\pm$ 3.705 χ^2 /NDF: 6.7/1

Right Out: -195.311 $\pm$ 0.974 χ^2 /NDF: 3100.7/18

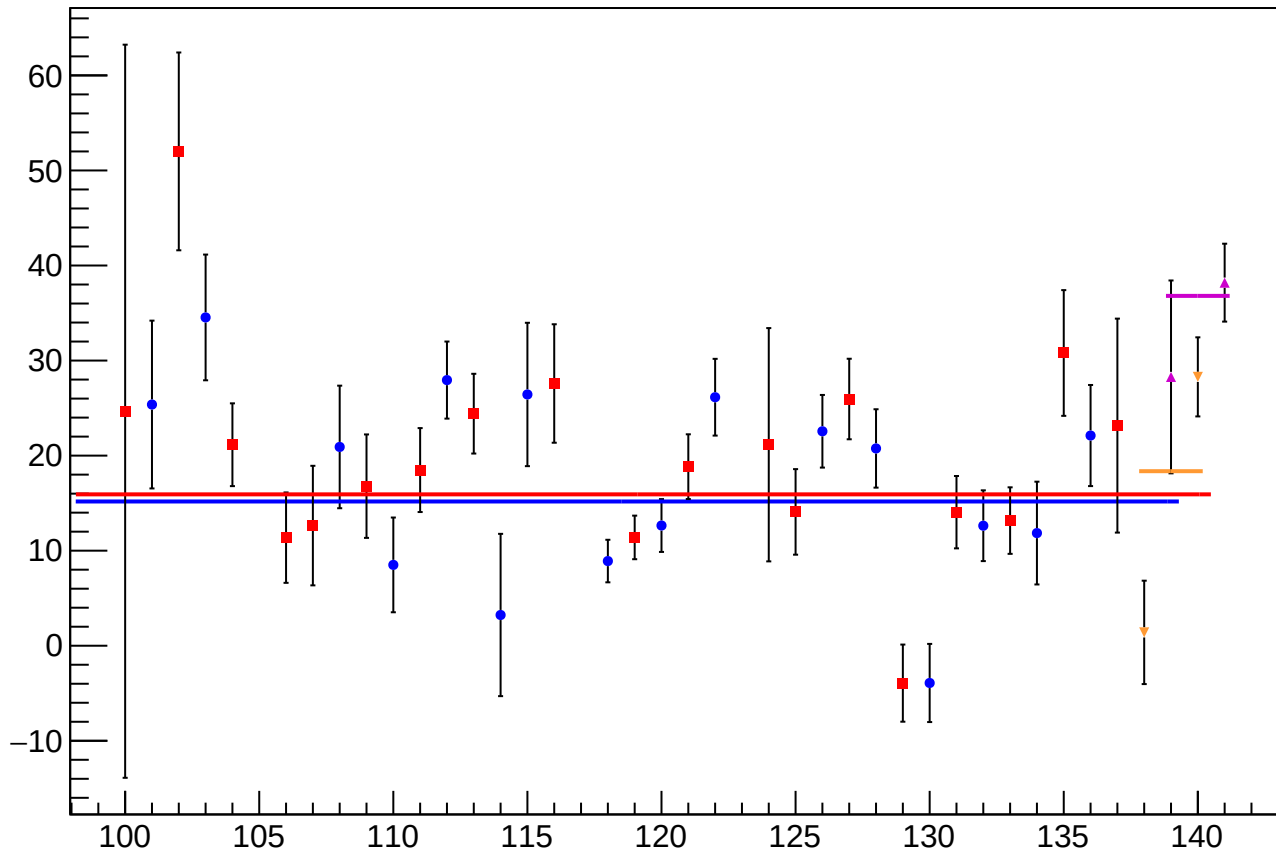
Left In: -318.568 $\pm$ 3.979 χ^2 /NDF: 19.0/1

+ sign -206.555 $\pm$ 0.987 χ^2 /NDF: 2323.4/17

All: -204.327 $\pm$ 0.683 χ^2 /NDF: 6358.0/38

- sign -202.278 $\pm$ 0.946 χ^2 /NDF: 4024.8/20

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

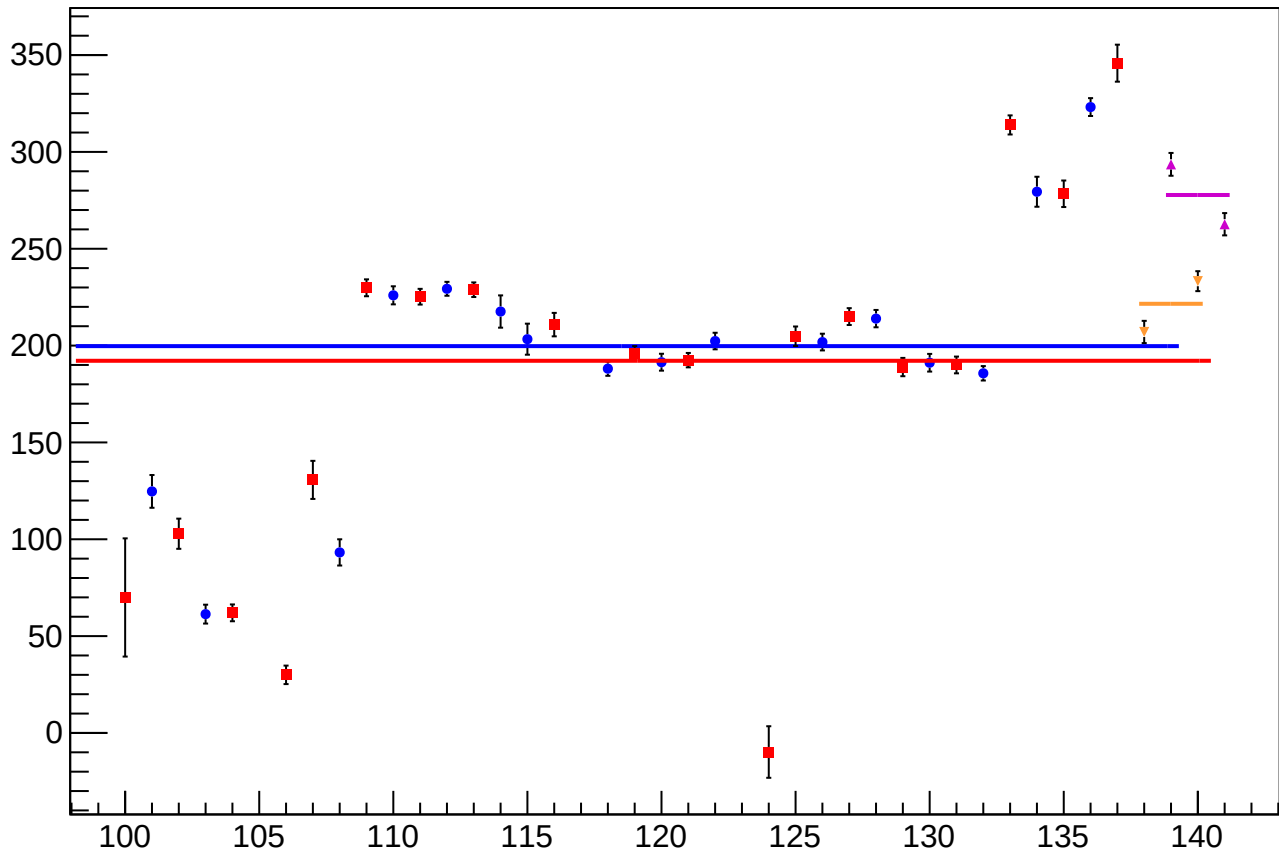
Left In: 36.805 $\pm$ 3.800 χ^2 /NDF:0.8/1

+ sign 15.466 $\pm$ 0.999 χ^2 /NDF: 88.6/17

All: 16.418 $\pm$ 0.707 χ^2 /NDF: 182.9/38

- sign 17.372 $\pm$ 1.000 χ^2 /NDF: 92.5/20

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

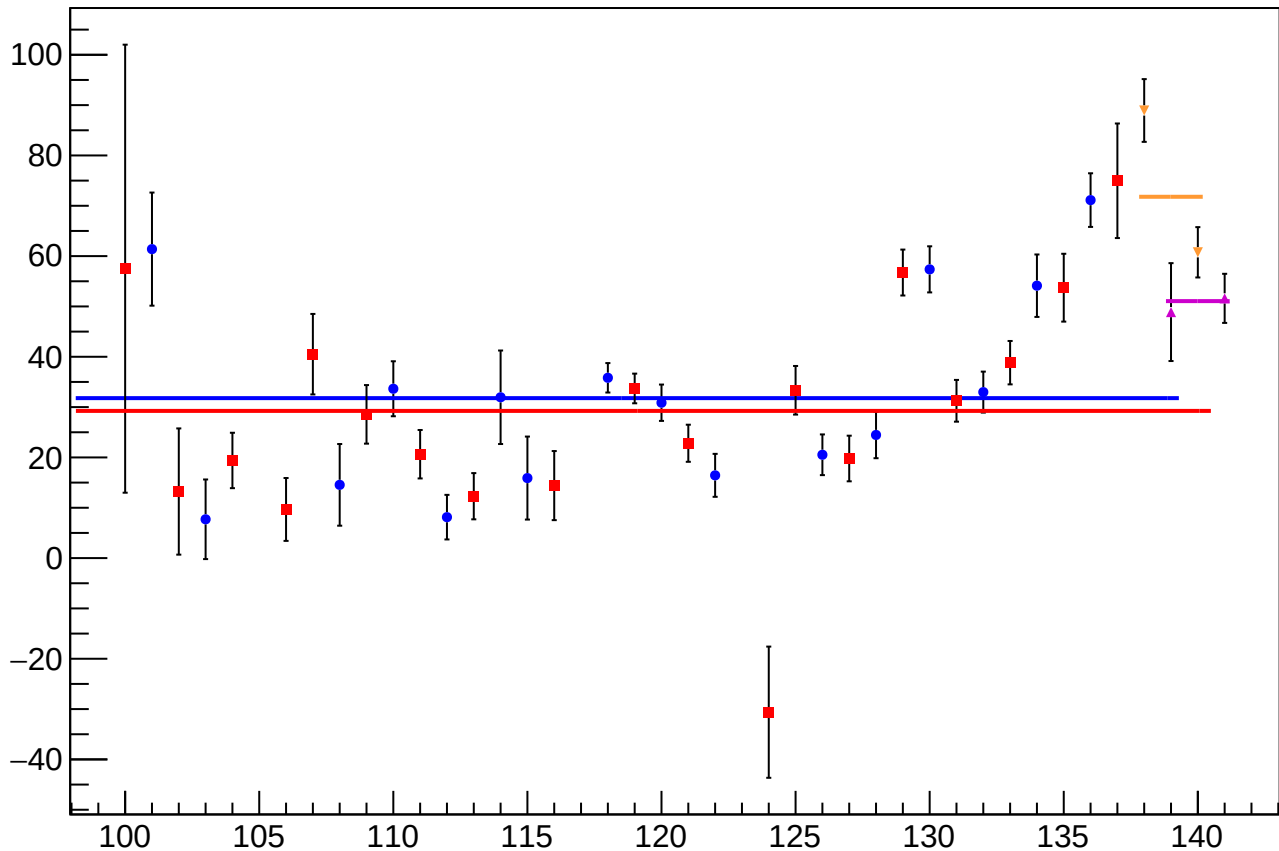
Left In: 277.757 $\pm$ 4.115 χ^2 /NDF:14.1/1

+ sign 201.659 $\pm$ 1.142 χ^2 /NDF: 2142.8/17

All: 199.961 $\pm$ 0.795 χ^2 /NDF: 6339.7/38

- sign 198.362 $\pm$ 1.108 χ^2 /NDF: 4192.6/20

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 $\chi^2/\text{NDF}: 140.9/18$

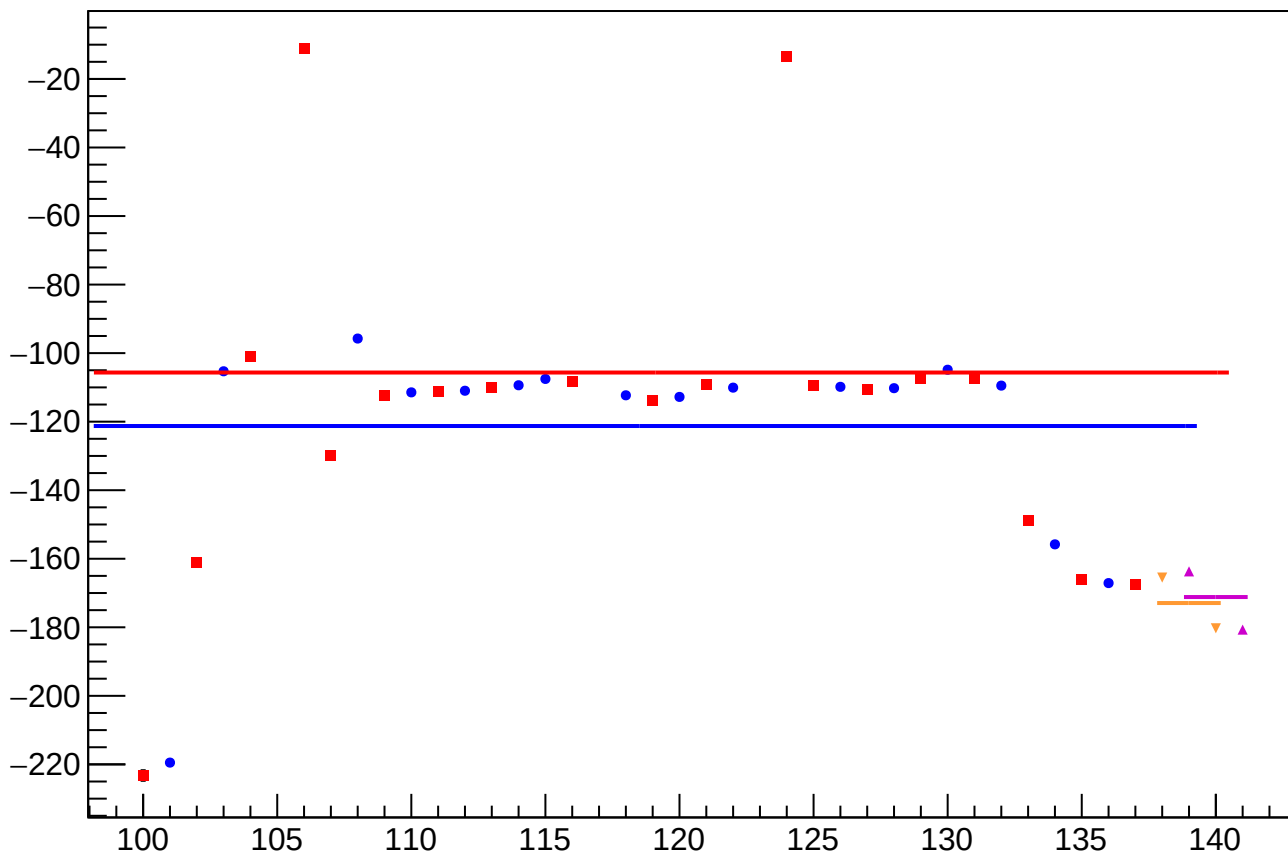
Left In: 51.058 ± 4.360 $\chi^2/\text{NDF}: 0.1/1$

+ sign 35.329 ± 1.161 $\chi^2/\text{NDF}: 285.3/17$

All: 33.036 ± 0.819 $\chi^2/\text{NDF}: 457.3/38$

- sign 30.773 ± 1.154 $\chi^2/\text{NDF}: 164.2/20$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268 ± 0.079 $\chi^2/\text{NDF}: 119398.5/15$

Left Out: -172.920 ± 0.163 $\chi^2/\text{NDF}: 2067.2/1$

Right Out: -105.660 ± 0.075 $\chi^2/\text{NDF}: 355093.7/18$

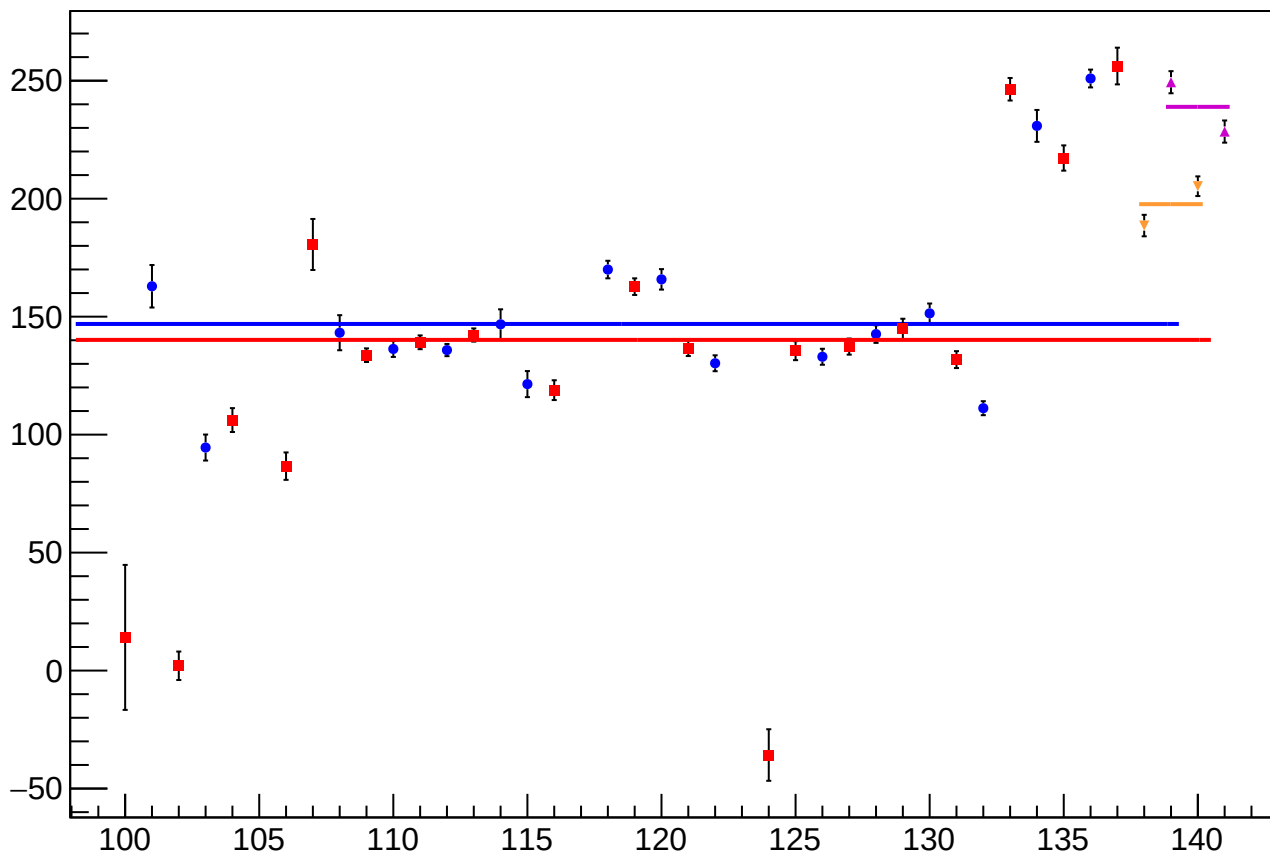
Left In: -171.171 ± 0.157 $\chi^2/\text{NDF}: 2898.6/1$

+ sign -131.159 ± 0.071 $\chi^2/\text{NDF}: 202862.5/17$

All: -124.108 ± 0.049 $\chi^2/\text{NDF}: 721808.9/38$

- sign -117.789 ± 0.067 $\chi^2/\text{NDF}: 500368.7/20$

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

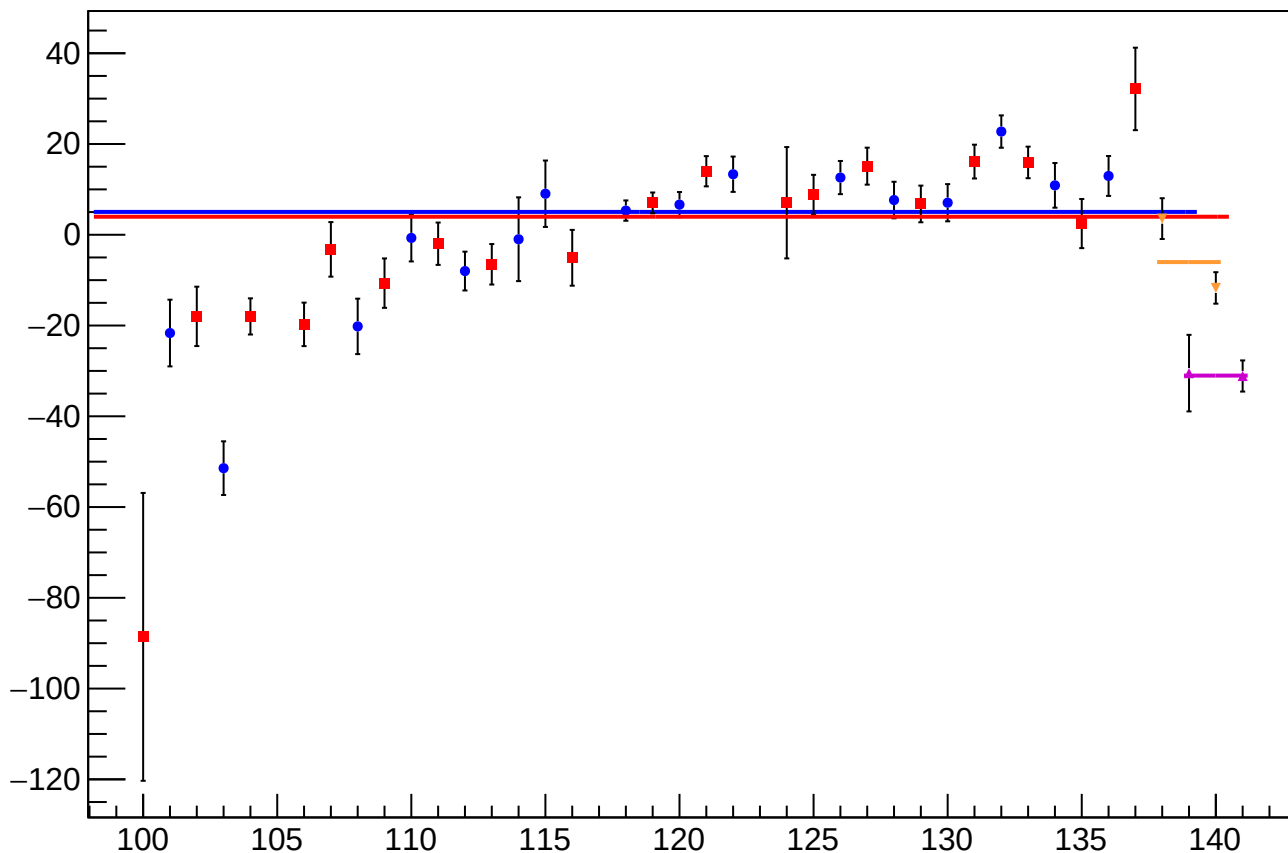
Left In: 238.922 $\pm$ 3.318 χ^2 /NDF: 9.9/1

+ sign 151.788 $\pm$ 0.954 χ^2 /NDF: 1555.6/17

All: 149.717 $\pm$ 0.663 χ^2 /NDF: 4342.7/38

- sign 147.782 $\pm$ 0.922 χ^2 /NDF: 2778.1/20

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 $\chi^2/\text{NDF}: 144.9/18$

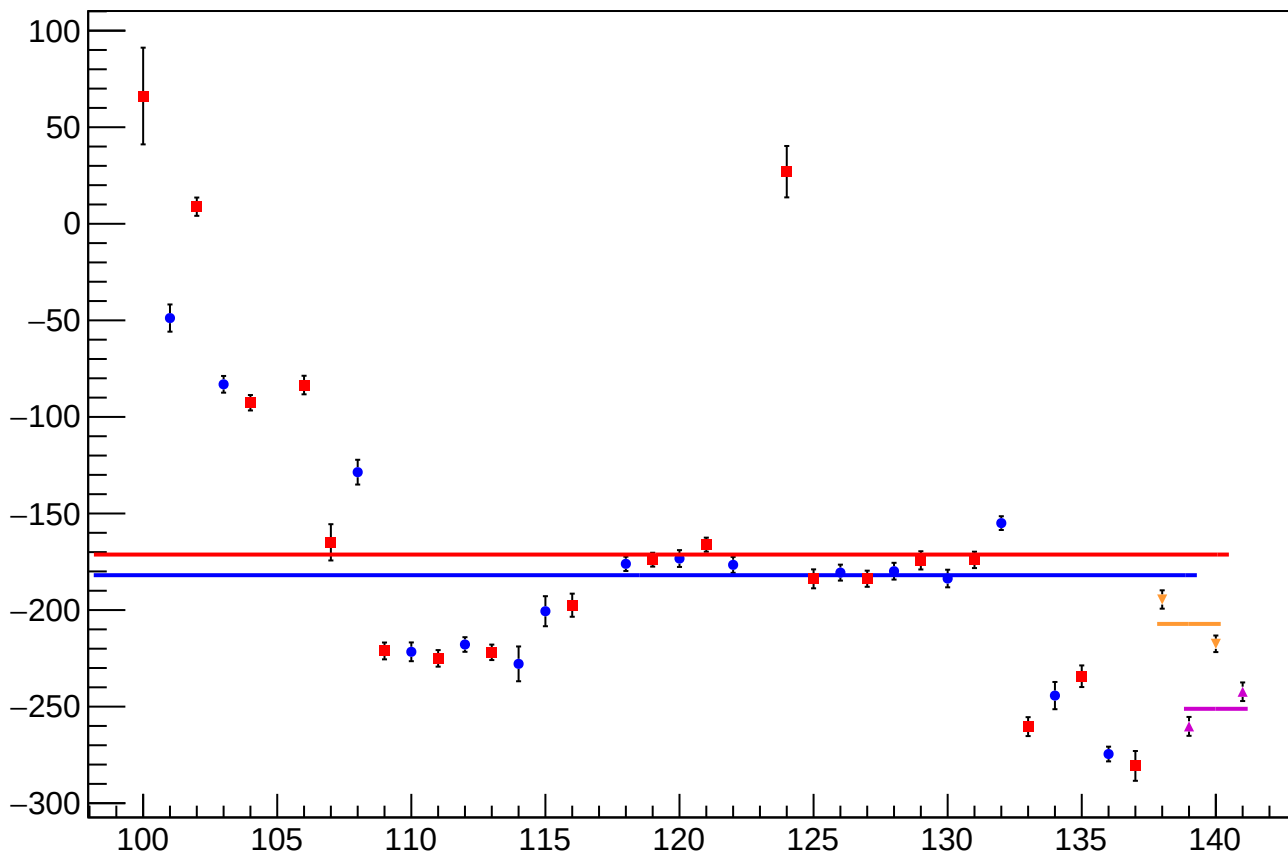
Left In: -31.032 ± 3.180 $\chi^2/\text{NDF}: 0.0/1$

+ sign 3.694 ± 0.957 $\chi^2/\text{NDF}: 193.3/17$

All: 2.237 ± 0.679 $\chi^2/\text{NDF}: 452.9/38$

- sign 0.756 ± 0.964 $\chi^2/\text{NDF}: 254.9/20$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947 ± 1.154 χ^2/NDF : 1870.4/15

Left Out: -207.174 ± 3.184 χ^2/NDF : 12.8/1

Right Out: -171.262 ± 1.111 χ^2/NDF : 3628.2/18

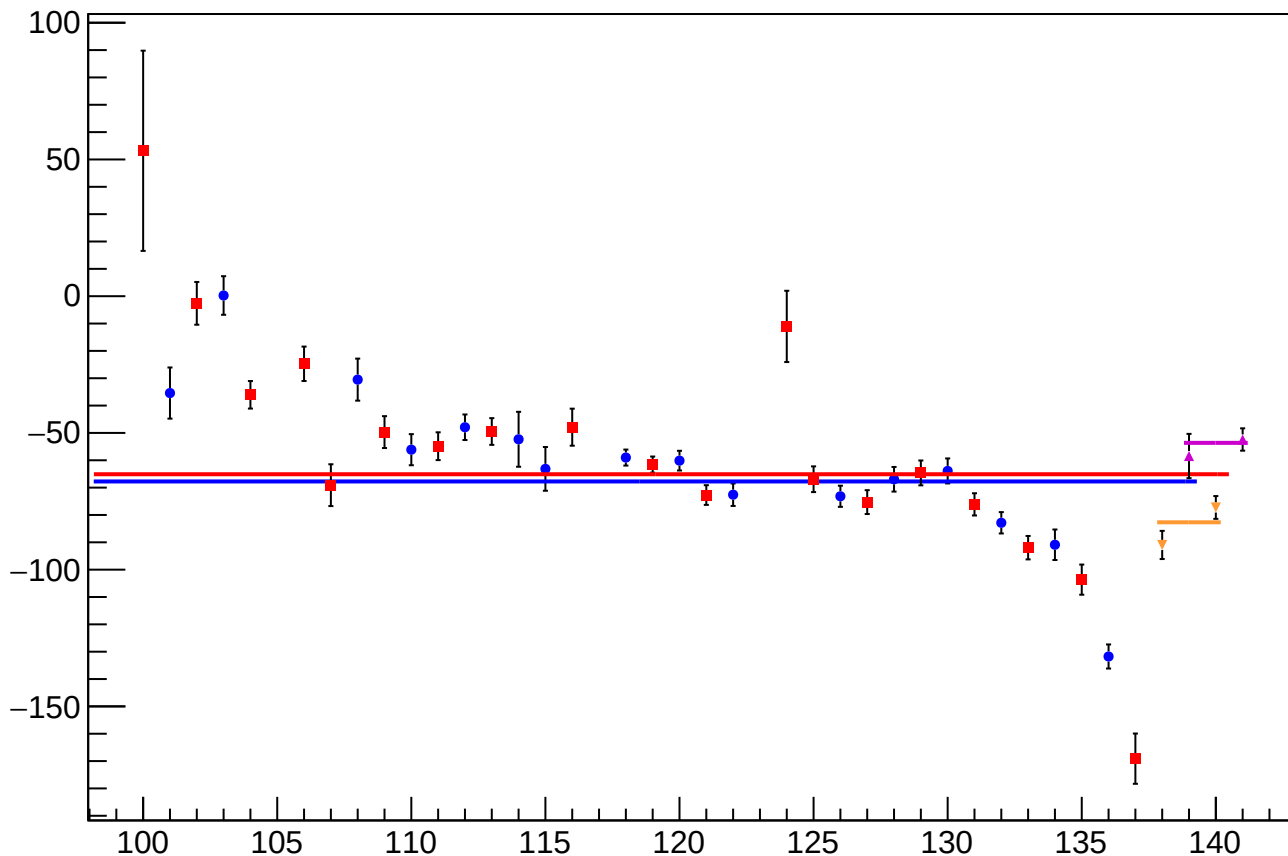
Left In: -251.129 ± 3.431 χ^2/NDF : 6.8/1

+ sign -184.876 ± 1.085 χ^2/NDF : 1938.8/17

All: -181.780 ± 0.757 χ^2/NDF : 6080.0/38

- sign -178.841 ± 1.057 χ^2/NDF : 4125.3/20

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745 ± 1.181 χ^2/NDF : 414.0/15

Left Out: -82.682 ± 3.240 χ^2/NDF : 4.3/1

Right Out: -65.105 ± 1.167 χ^2/NDF : 429.0/18

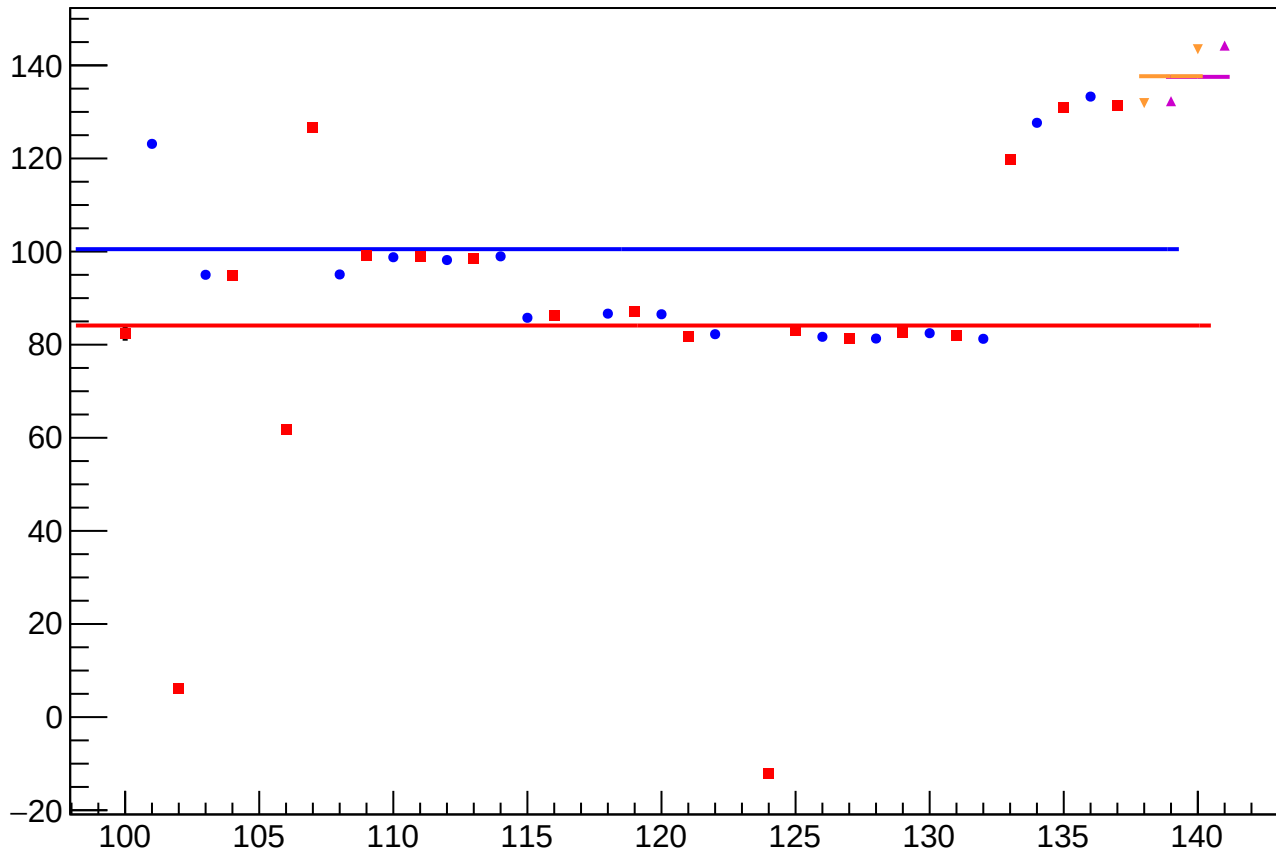
Left In: -53.632 ± 3.647 χ^2/NDF : 0.4/1

+ sign -69.498 ± 1.110 χ^2/NDF : 437.1/17

All: -66.772 ± 0.785 χ^2/NDF : 887.6/38

- sign -64.040 ± 1.111 χ^2/NDF : 438.5/20

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

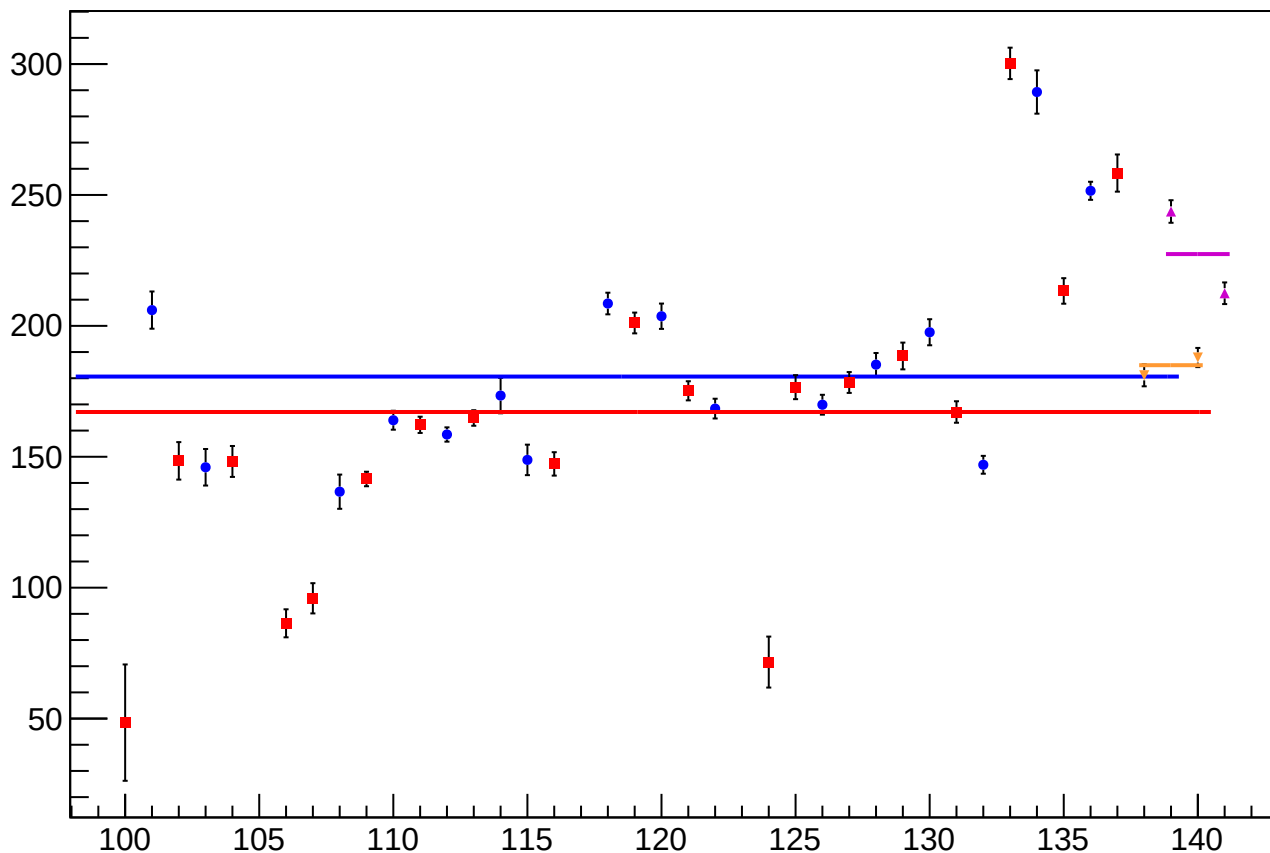
Left In: 137.530 $\pm$ 0.131 χ^2 /NDF:2054.3/1

+ sign 109.088 $\pm$ 0.065 χ^2 /NDF: 127507.5/17

All: 102.060 $\pm$ 0.045 χ^2 /NDF: 545964.9/38

- sign 95.813 $\pm$ 0.061 χ^2 /NDF: 396285.8/20

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

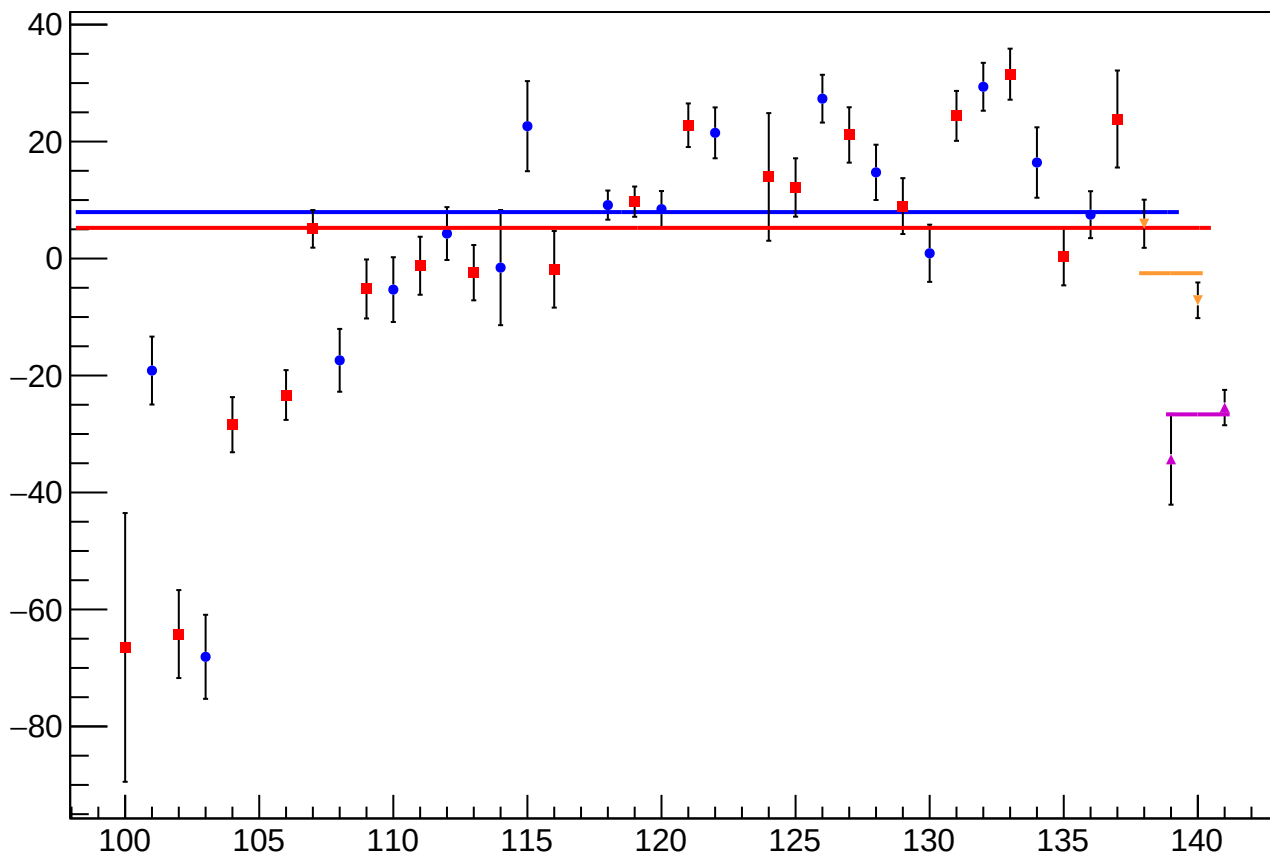
Left In: 227.422 $\pm$ 2.984 χ^2 /NDF: 27.3/1

+ sign 181.219 $\pm$ 1.014 χ^2 /NDF: 997.0/17

All: 177.132 $\pm$ 0.699 χ^2 /NDF: 2905.8/38

- sign 173.422 $\pm$ 0.966 χ^2 /NDF: 1877.7/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 7.942 $\pm$ 1.113 χ^2 /NDF: 232.9/15

Left Out: -2.506 $\pm$ 2.448 χ^2 /NDF: 6.5/1

Right Out: 5.244 $\pm$ 1.062 χ^2 /NDF: 302.9/18

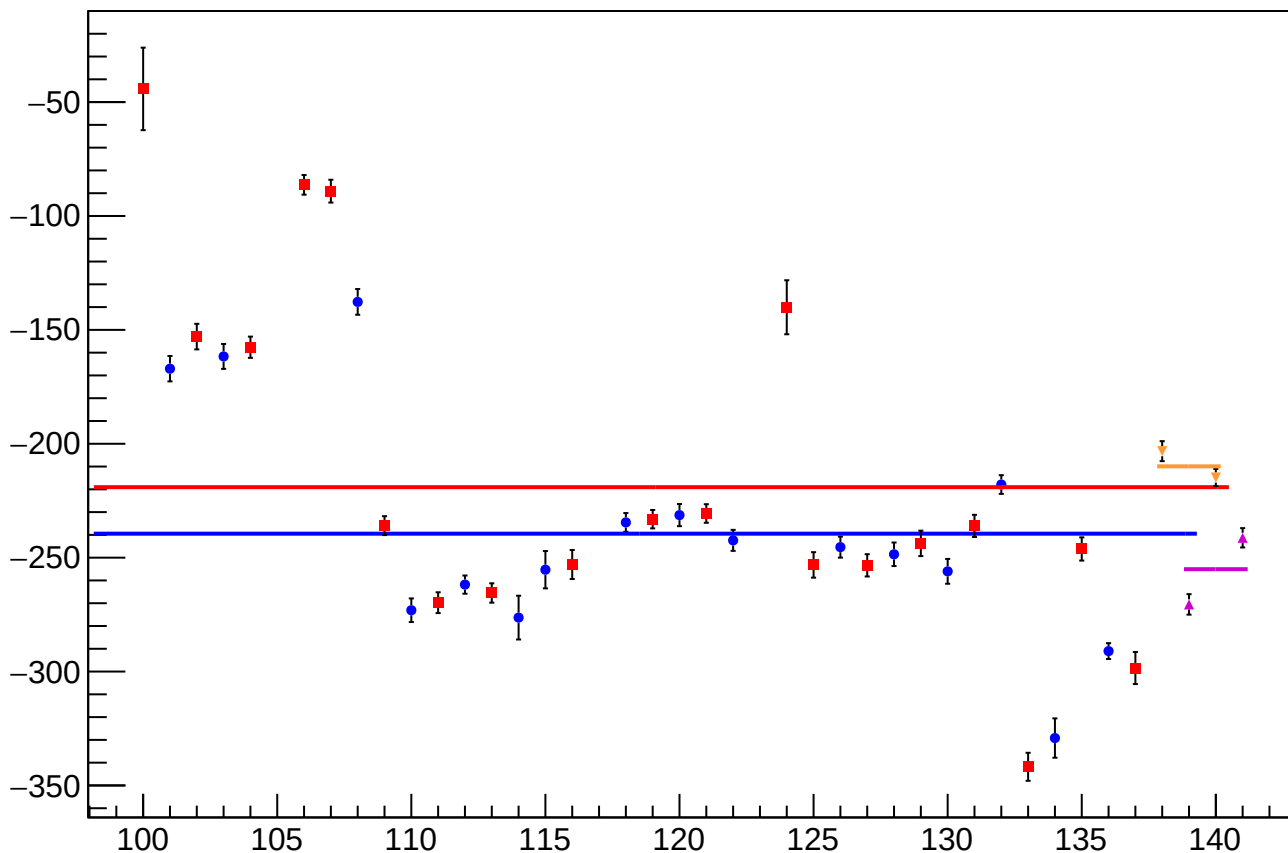
Left In: -26.643 $\pm$ 2.816 χ^2 /NDF: 1.1/1

+ sign 6.151 $\pm$ 1.013 χ^2 /NDF: 254.5/17

All: 3.664 $\pm$ 0.710 χ^2 /NDF: 682.7/38

- sign 1.272 $\pm$ 0.994 χ^2 /NDF: 416.3/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468 ± 1.245 χ^2/NDF : 1162.2/15

Left Out: -209.912 ± 2.859 χ^2/NDF : 4.0/1

Right Out: -219.053 ± 1.176 χ^2/NDF : 3049.3/18

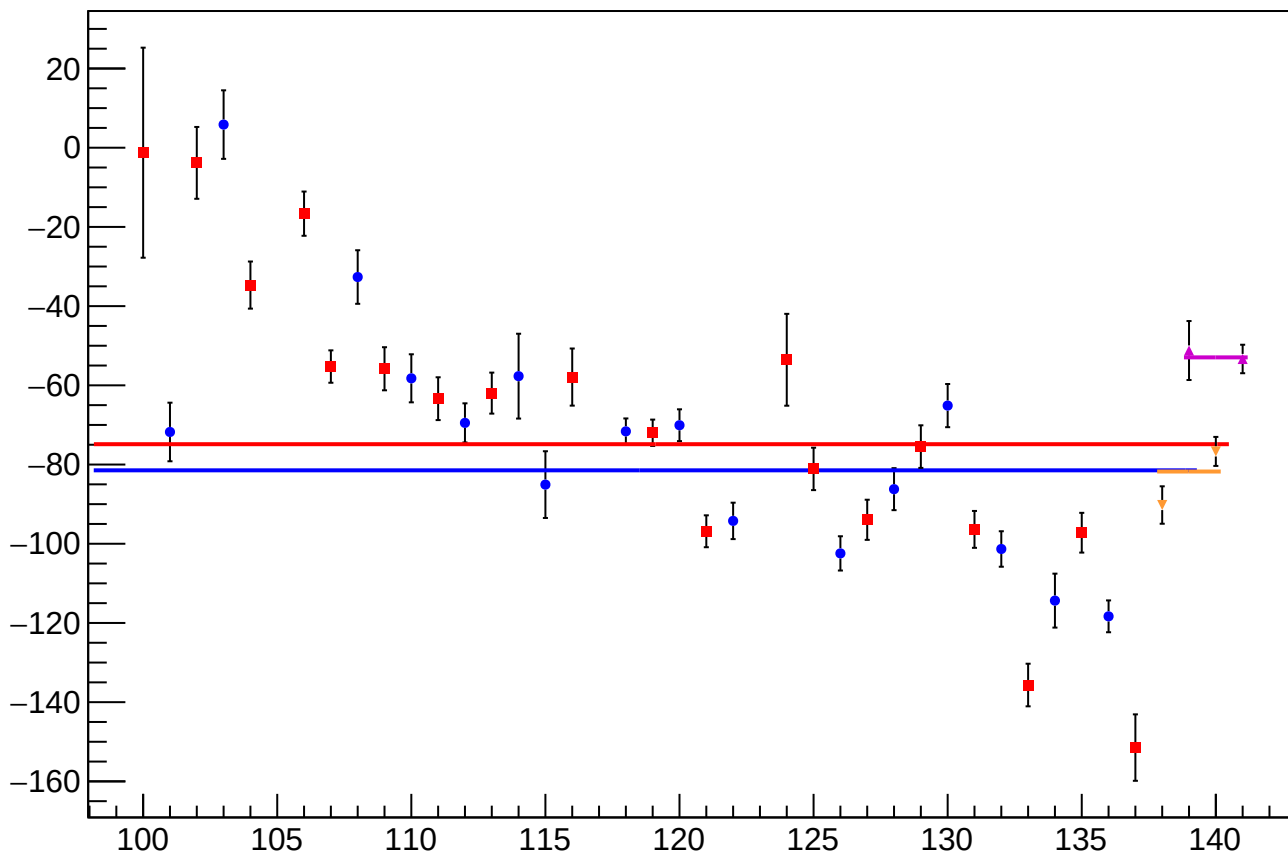
Left In: -255.062 ± 3.084 χ^2/NDF : 22.4/1

+ sign -234.754 ± 1.142 χ^2/NDF : 1256.1/17

All: -228.978 ± 0.792 χ^2/NDF : 4496.1/38

- sign -223.626 ± 1.099 χ^2/NDF : 3190.7/20

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

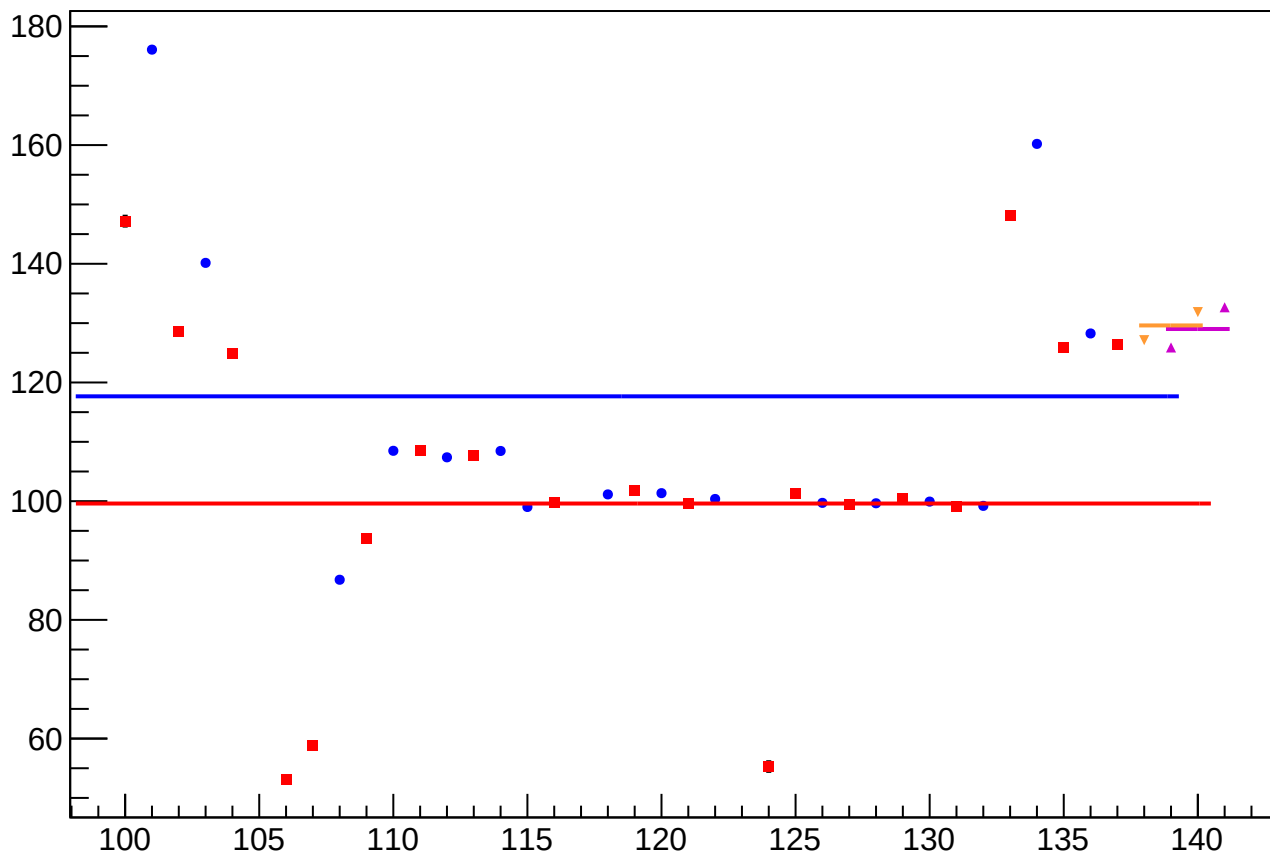
Left In: -52.941 ± 3.238 χ^2/NDF : 0.1/1

+ sign -81.511 ± 1.176 χ^2/NDF : 371.6/17

All: -76.699 ± 0.822 χ^2/NDF : 1021.1/38

- sign -72.097 ± 1.150 χ^2/NDF : 616.7/20

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

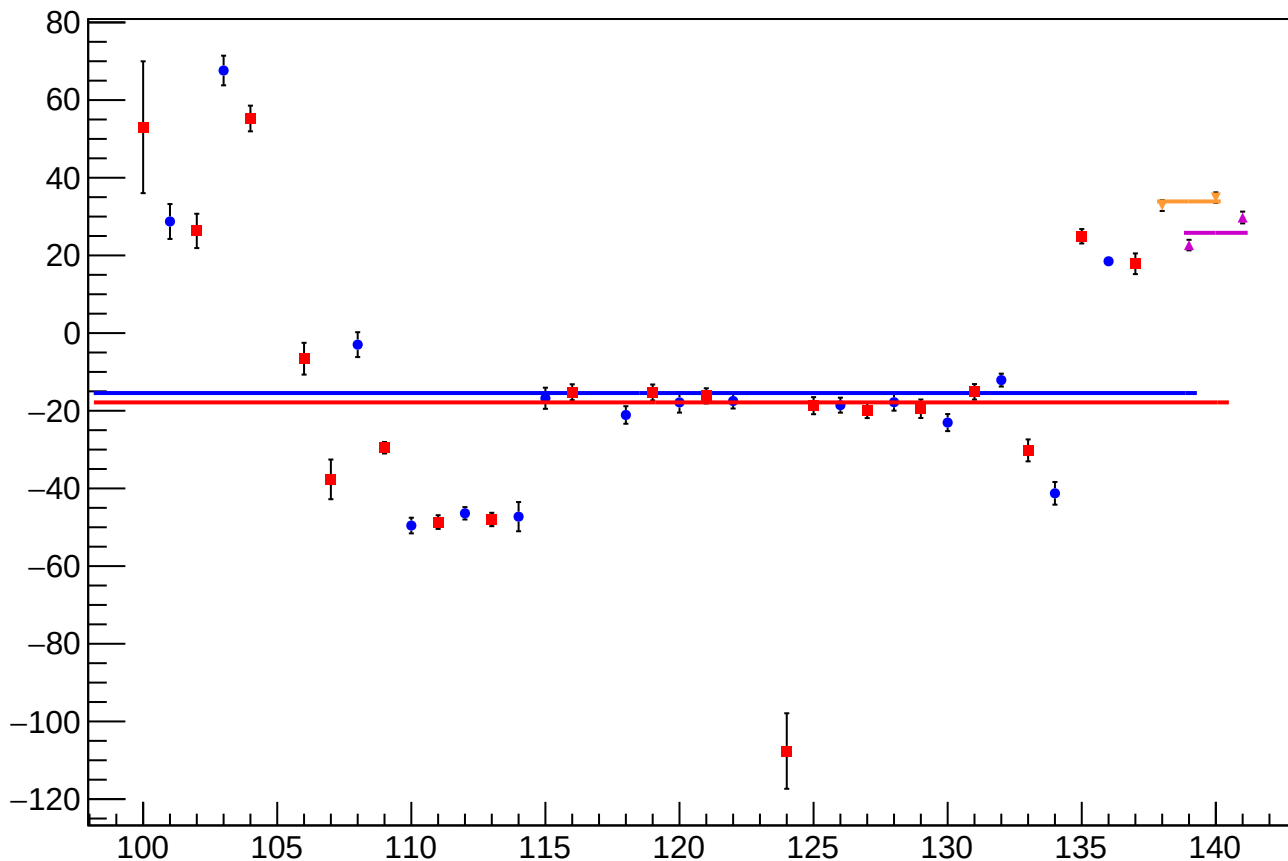
Left In: 129.012 $\pm$ 0.118 χ^2 /NDF: 818.0/1

+ sign 121.156 $\pm$ 0.066 χ^2 /NDF: 102582.3/17

All: 113.637 $\pm$ 0.045 χ^2 /NDF: 339507.0/38

- sign 107.311 $\pm$ 0.060 χ^2 /NDF: 212907.9/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438 ± 0.539 χ^2/NDF : 2124.2/15

Left Out: 33.898 ± 0.963 χ^2/NDF : 1.1/1

Right Out: -17.848 ± 0.530 χ^2/NDF : 2125.2/18

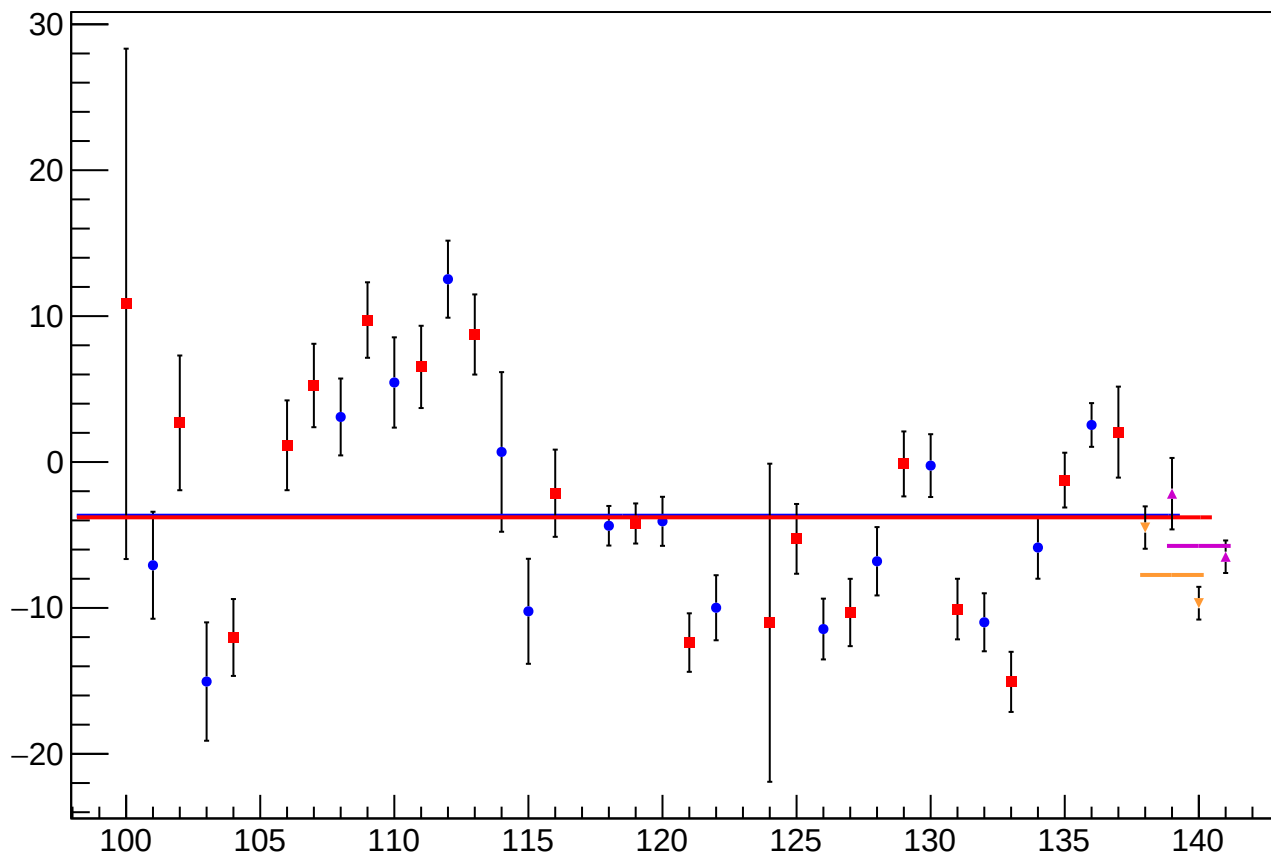
Left In: 25.816 ± 1.011 χ^2/NDF : 12.2/1

+ sign -3.677 ± 0.470 χ^2/NDF : 4122.3/17

All: -6.070 ± 0.332 χ^2/NDF : 7774.2/38

- sign -8.450 ± 0.469 χ^2/NDF : 3600.3/20

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

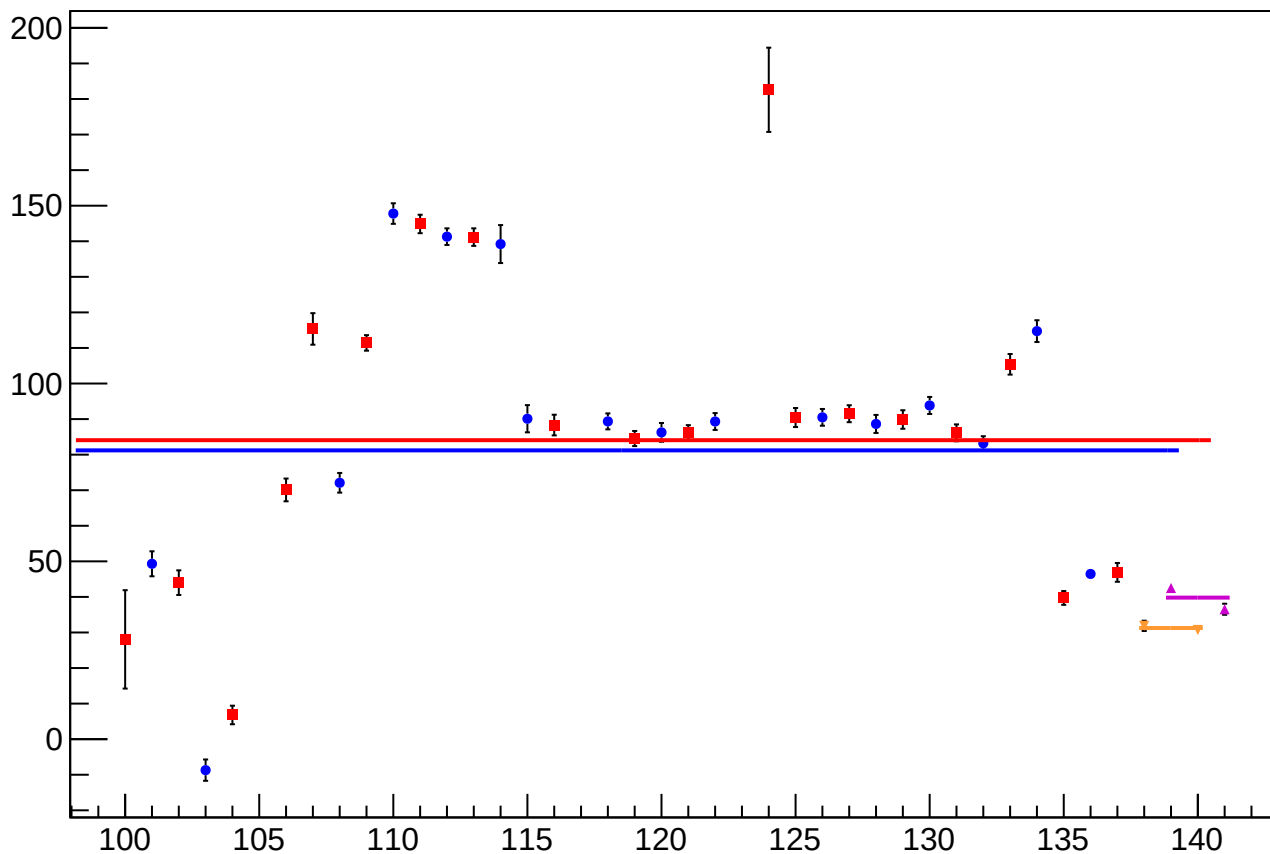
Left In: -5.748 ± 1.015 χ^2/NDF : 2.6/1

+ sign -4.812 ± 0.469 χ^2/NDF : 147.1/17

All: -4.546 ± 0.340 χ^2/NDF : 314.4/38

- sign -4.252 ± 0.493 χ^2/NDF : 166.6/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2 /NDF: 3230.5/15

Left Out: 31.259+/-0.998 χ^2 /NDF:0.3/1

Right Out: 84.065+/-0.616 χ^2 /NDF: 3206.5/18

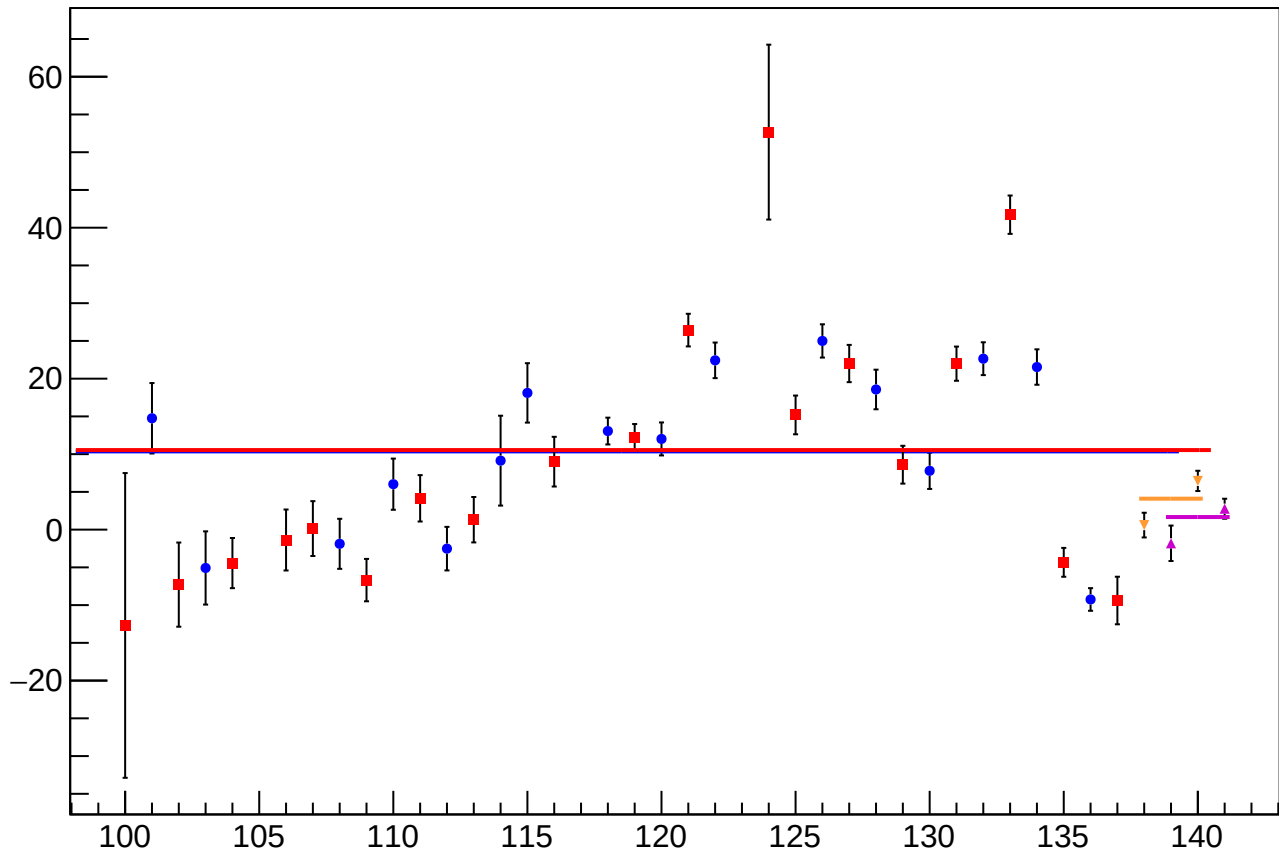
Left In: 39.803+/-1.047 χ^2 /NDF:8.1/1

+ sign 67.716+/-0.519 χ^2 /NDF: 5058.6/17

All: 70.134+/-0.371 χ^2 /NDF: 9645.9/38

- sign 72.669+/-0.531 χ^2 /NDF: 4542.7/20

reg_asym_atl_dd_atr_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

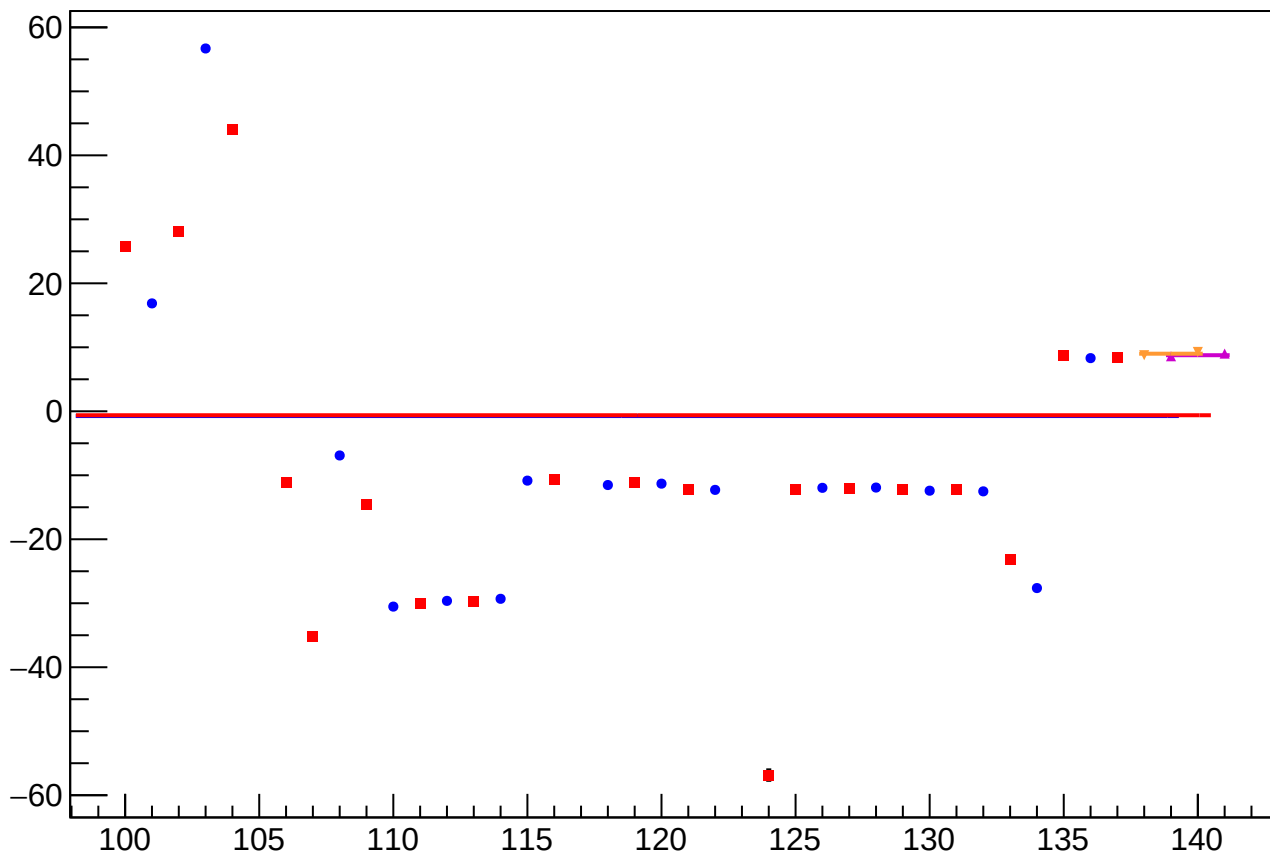
Left In: 1.668 $\pm$ 1.152 χ^2 /NDF: 2.9/1

+ sign 8.693 $\pm$ 0.536 χ^2 /NDF: 394.2/17

All: 8.575 $\pm$ 0.387 χ^2 /NDF: 913.2/38

- sign 8.446 $\pm$ 0.560 χ^2 /NDF: 518.9/20

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

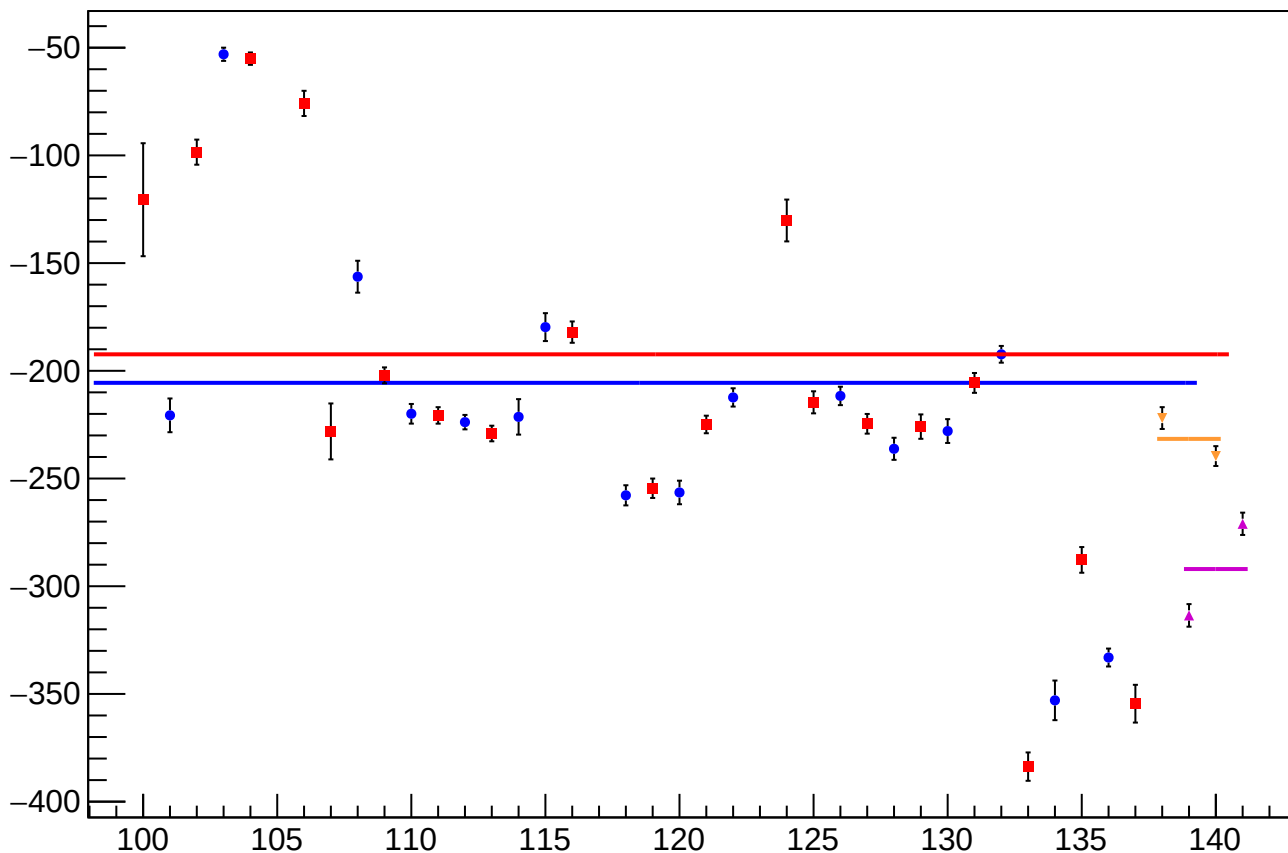
Left In: 8.764 ± 0.039 χ^2/NDF : 26.2/1

+ sign 3.404 ± 0.027 χ^2/NDF : 399439.4/17

All: 3.607 ± 0.019 χ^2/NDF : 745868.8/38

- sign 3.809 ± 0.027 χ^2/NDF : 346318.6/20

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

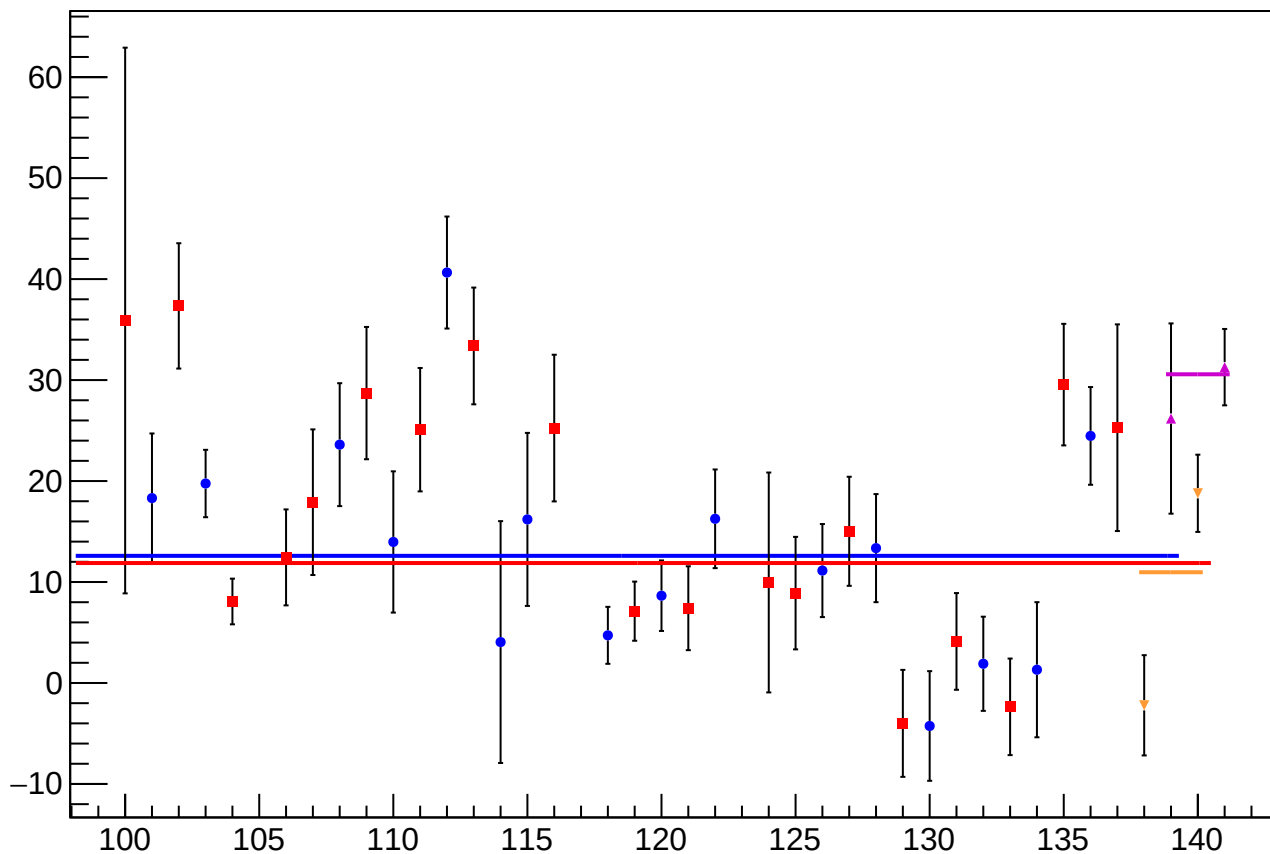
Left In: -292.016 ± 3.685 χ^2/NDF : 33.3/1

+ sign -208.383 ± 1.119 χ^2/NDF : 4114.7/17

All: -204.441 ± 0.775 χ^2/NDF : 9811.3/38

- sign -200.810 ± 1.074 χ^2/NDF : 5672.7/20

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

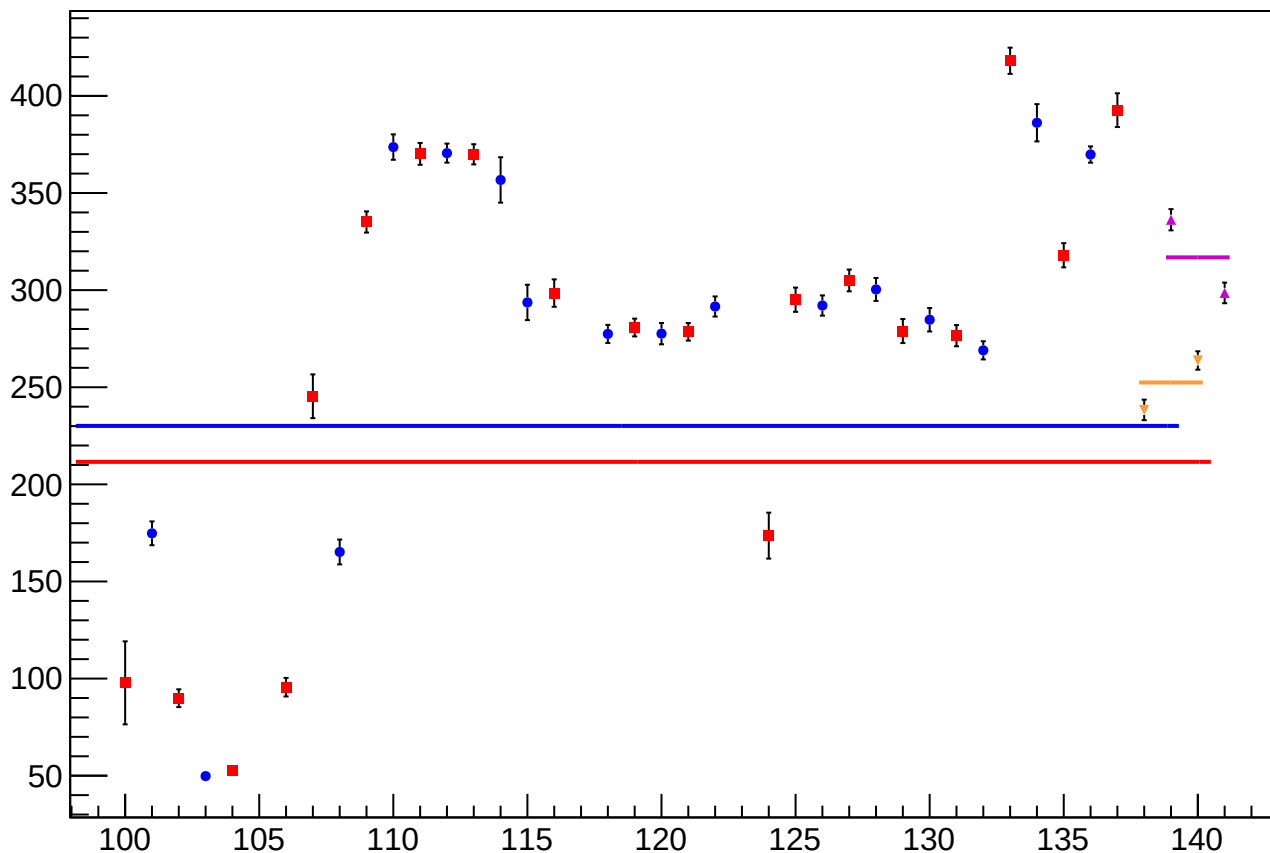
Left In: 30.573 $\pm$ 3.510 χ^2 /NDF: 0.3/1

+ sign 12.371 $\pm$ 1.118 χ^2 /NDF: 80.0/17

All: 13.020 $\pm$ 0.772 χ^2 /NDF: 191.5/38

- sign 13.612 $\pm$ 1.068 χ^2 /NDF: 110.9/20

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

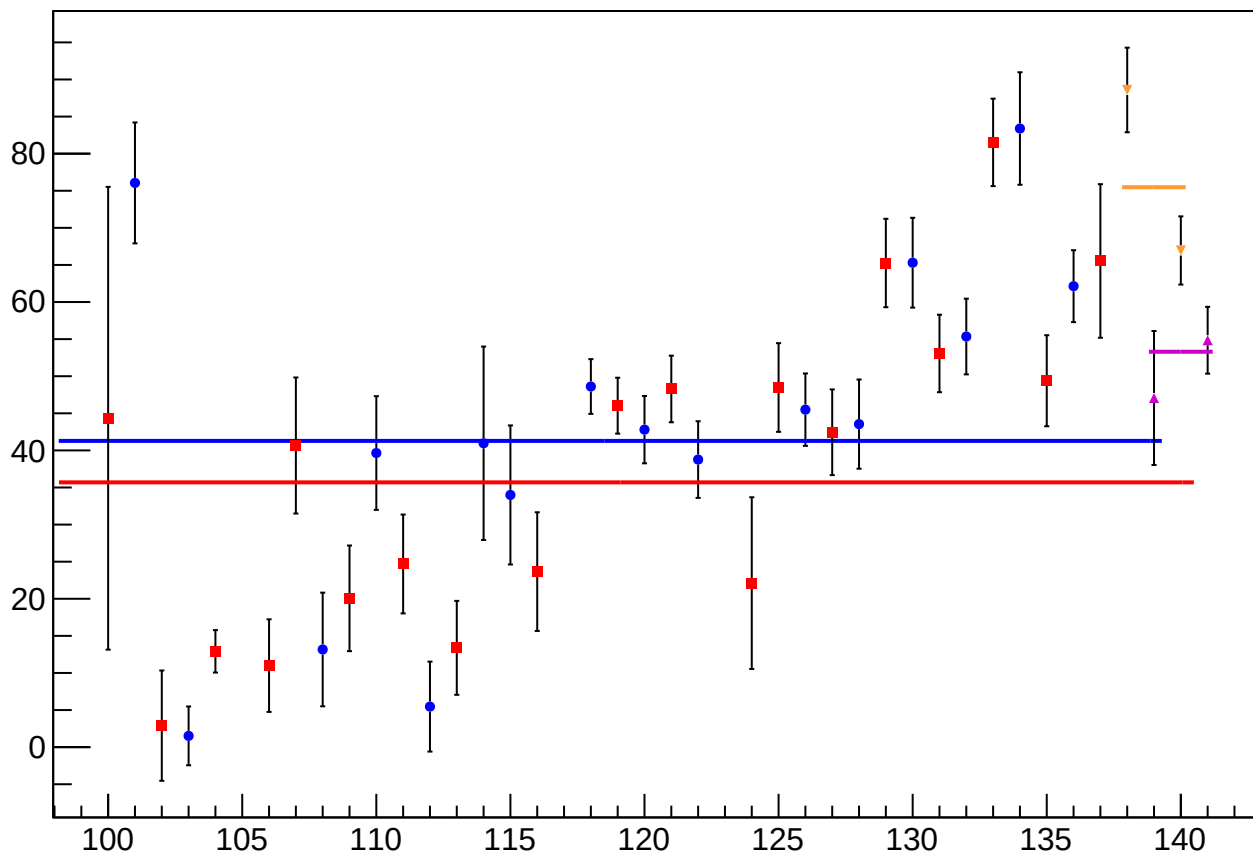
Left In: 316.864 $\pm$ 3.810 χ^2 /NDF:24.4/1

+ sign 232.624 $\pm$ 1.186 χ^2 /NDF: 9424.1/17

All: 226.595 $\pm$ 0.822 χ^2 /NDF: 21665.5/38

- sign 221.021 $\pm$ 1.140 χ^2 /NDF: 12191.7/20

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

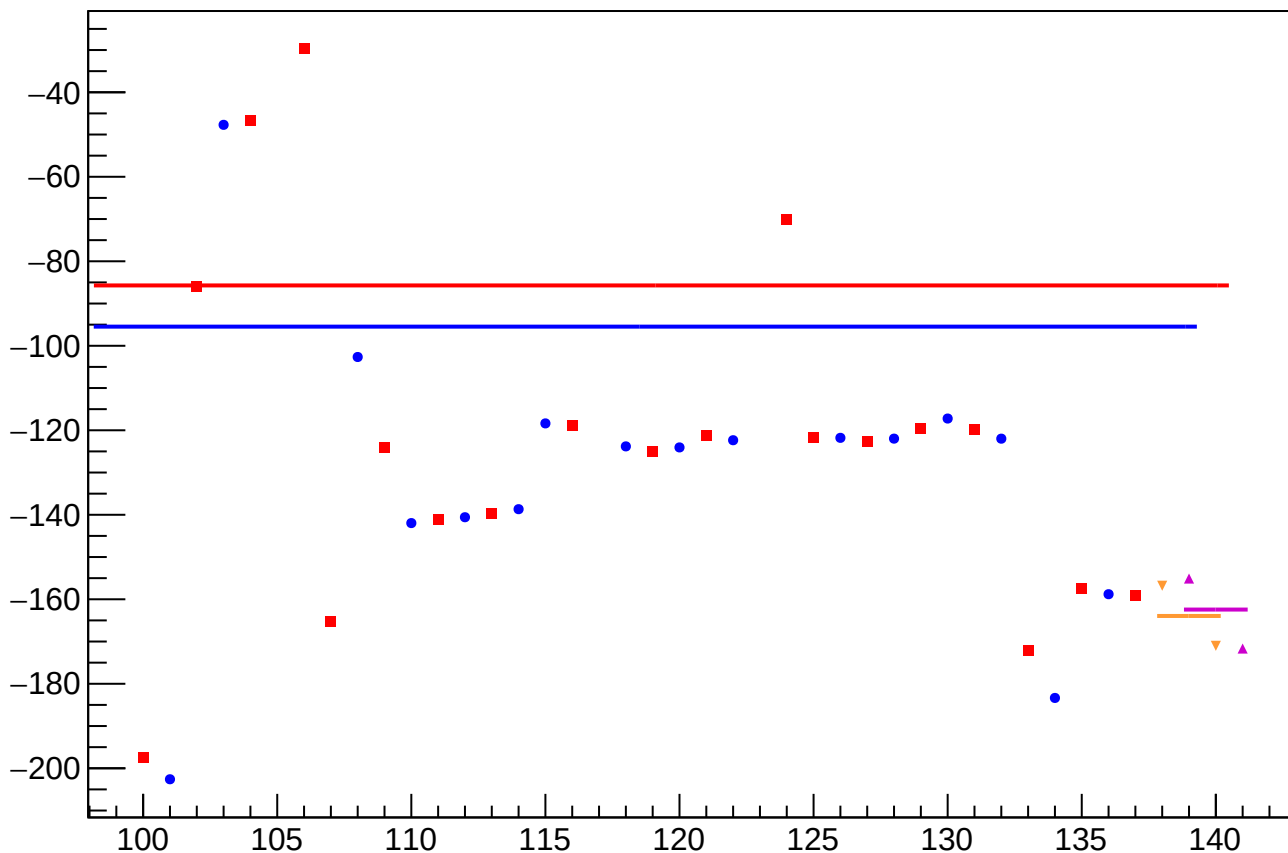
Left In: 53.299 $\pm$ 4.030 χ^2 /NDF: 0.6/1

+ sign 45.804 $\pm$ 1.302 χ^2 /NDF: 333.7/17

All: 41.433 $\pm$ 0.902 χ^2 /NDF: 626.4/38

- sign 37.391 $\pm$ 1.252 χ^2 /NDF: 271.0/20

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

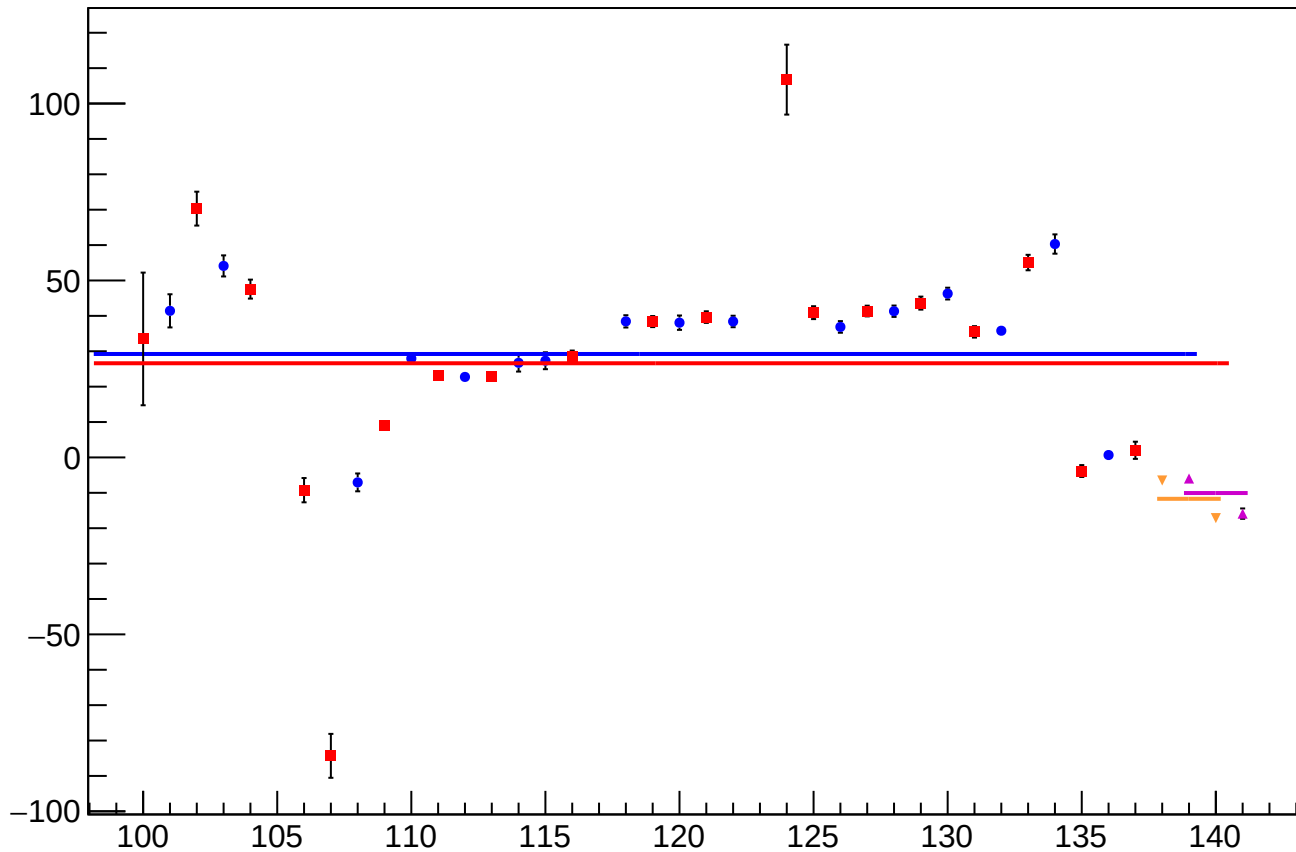
Left In: -162.434 $\pm$ 0.145 χ^2 /NDF: 3211.5/1

+ sign -107.564 $\pm$ 0.063 χ^2 /NDF: 693923.4/17

All: -103.212 $\pm$ 0.044 χ^2 /NDF: 1419064.5/38

- sign -99.161 $\pm$ 0.061 χ^2 /NDF: 715933.8/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229 $\pm$ 0.424 χ^2 /NDF: 1342.9/15

Left Out: -11.694 $\pm$ 0.899 χ^2 /NDF: 34.9/1

Right Out: 26.609 $\pm$ 0.414 χ^2 /NDF: 1920.6/18

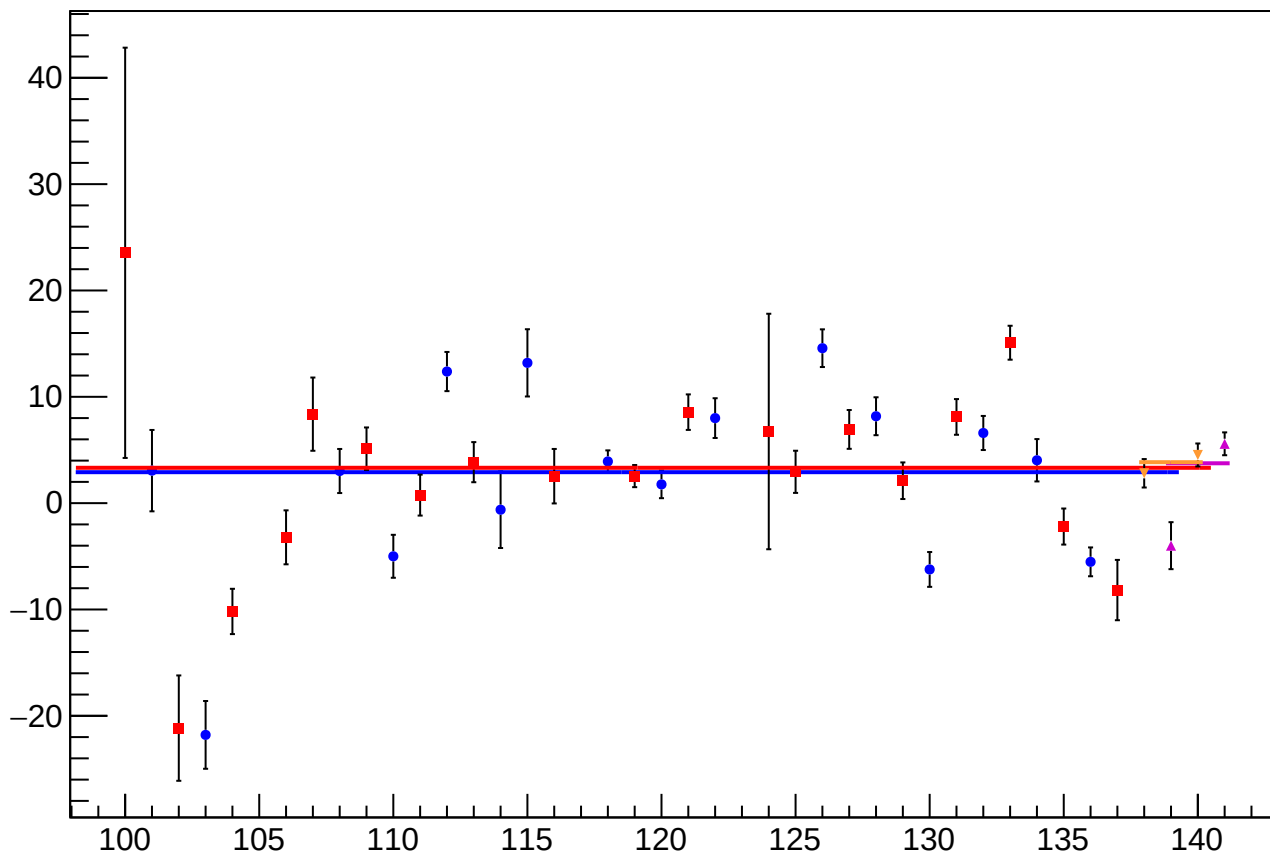
Left In: -10.061 $\pm$ 0.939 χ^2 /NDF: 27.1/1

+ sign 21.781 $\pm$ 0.384 χ^2 /NDF: 3071.1/17

All: 21.200 $\pm$ 0.270 χ^2 /NDF: 6301.1/38

- sign 20.634 $\pm$ 0.379 χ^2 /NDF: 3225.5/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.912 ± 0.442 χ^2/NDF : 250.0/15

Left Out: 3.852 ± 0.840 χ^2/NDF : 1.0/1

Right Out: 3.326 ± 0.454 χ^2/NDF : 181.8/18

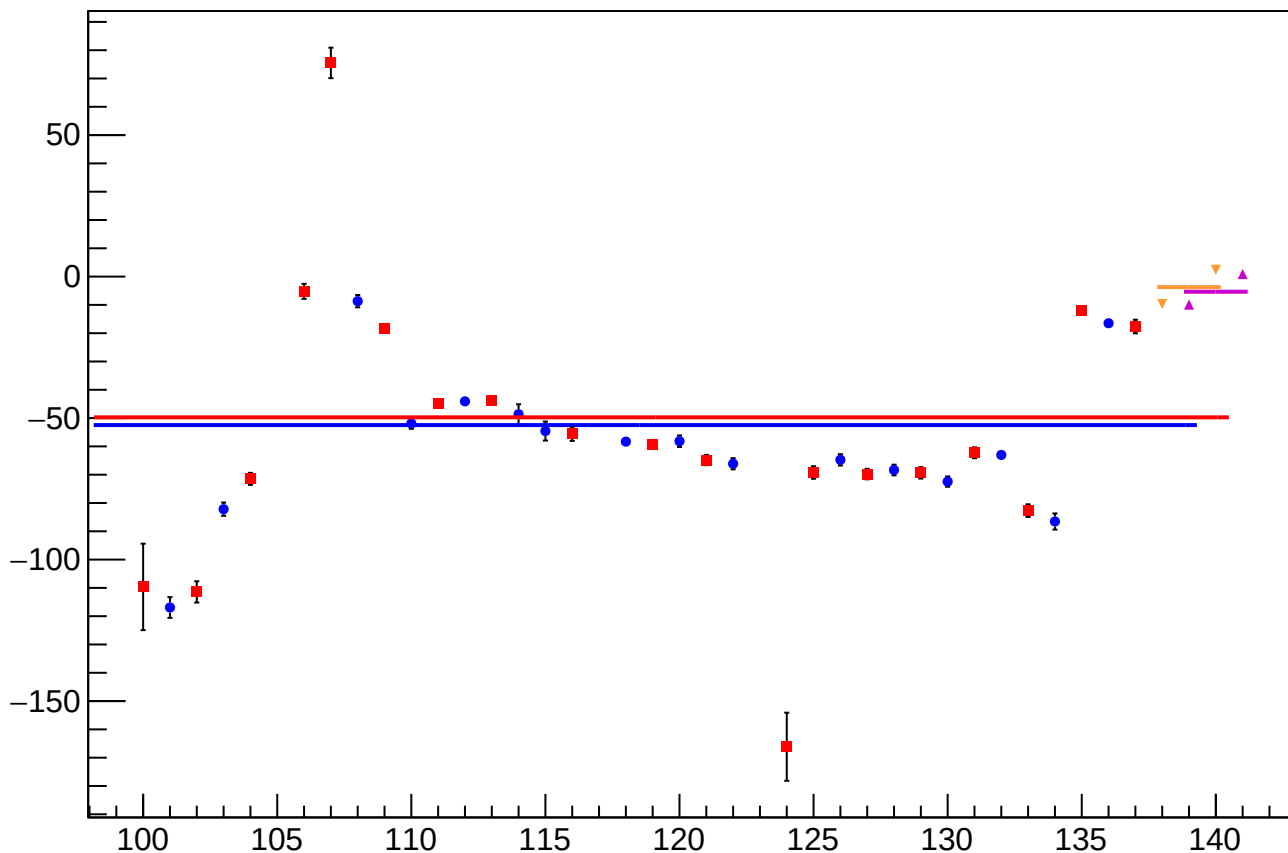
Left In: 3.750 ± 0.966 χ^2/NDF : 15.2/1

+ sign 3.116 ± 0.391 χ^2/NDF : 251.9/17

All: 3.253 ± 0.283 χ^2/NDF : 449.3/38

- sign 3.402 ± 0.411 χ^2/NDF : 197.1/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -52.467 ± 0.488 χ^2/NDF : 2330.2/15

Left Out: -3.713 ± 0.932 χ^2/NDF : 42.0/1

Right Out: -49.734 ± 0.494 χ^2/NDF : 3009.7/18

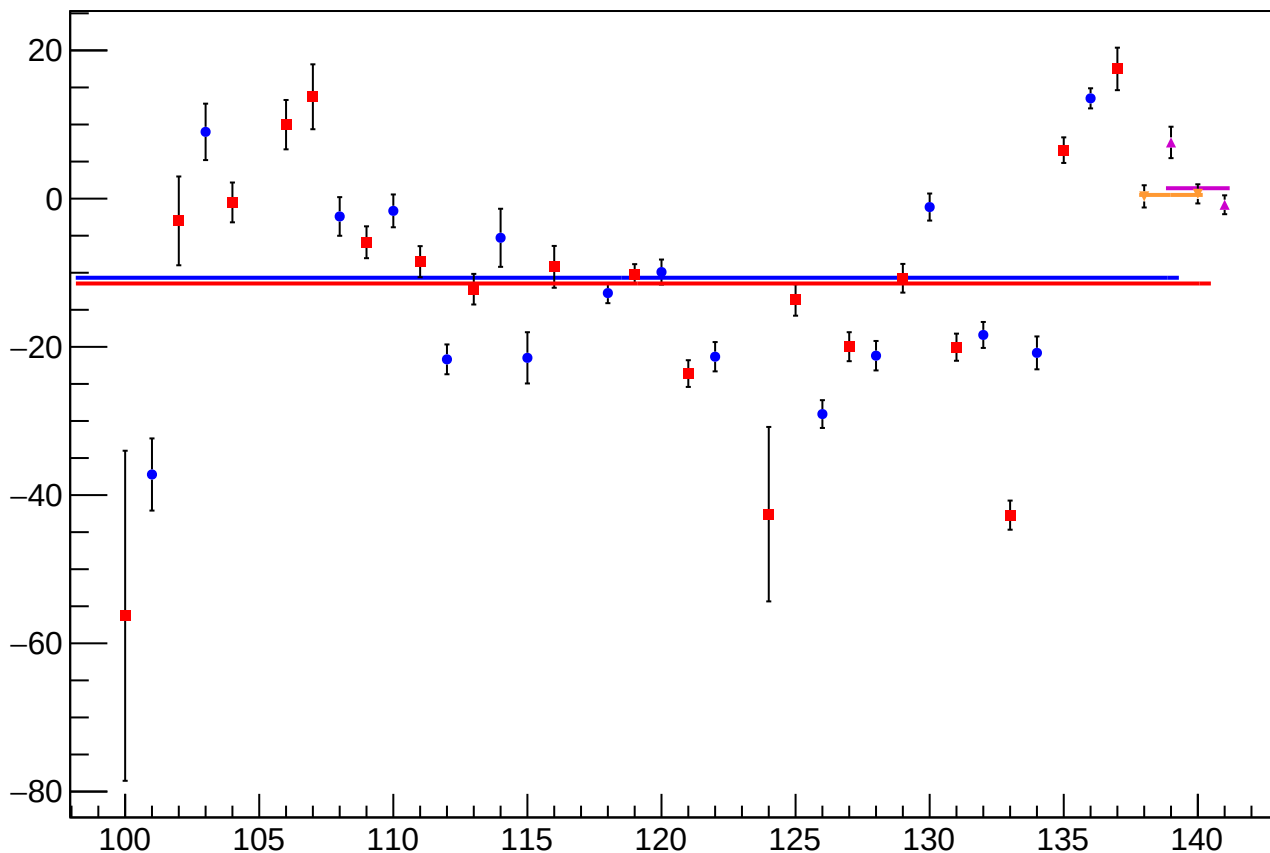
Left In: -5.351 ± 0.972 χ^2/NDF : 30.1/1

+ sign -41.989 ± 0.432 χ^2/NDF : 4519.3/17

All: -41.317 ± 0.308 χ^2/NDF : 9221.3/38

- sign -40.620 ± 0.440 χ^2/NDF : 4697.1/20

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

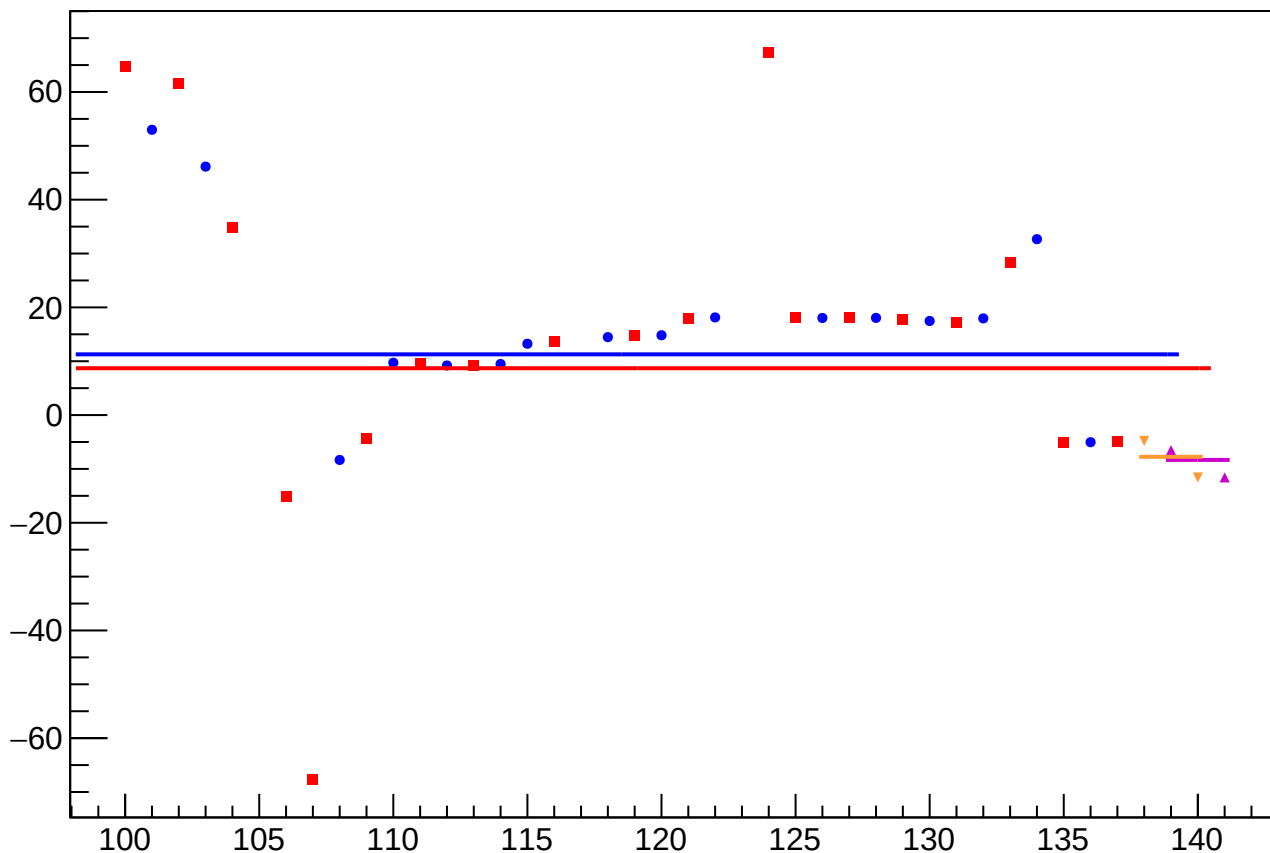
Left In: 1.405 ± 1.091 χ^2/NDF : 11.6/1

+ sign -8.323 ± 0.449 χ^2/NDF : 769.3/17

All: -8.697 ± 0.324 χ^2/NDF : 1561.5/38

- sign -9.101 ± 0.467 χ^2/NDF : 790.7/20

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

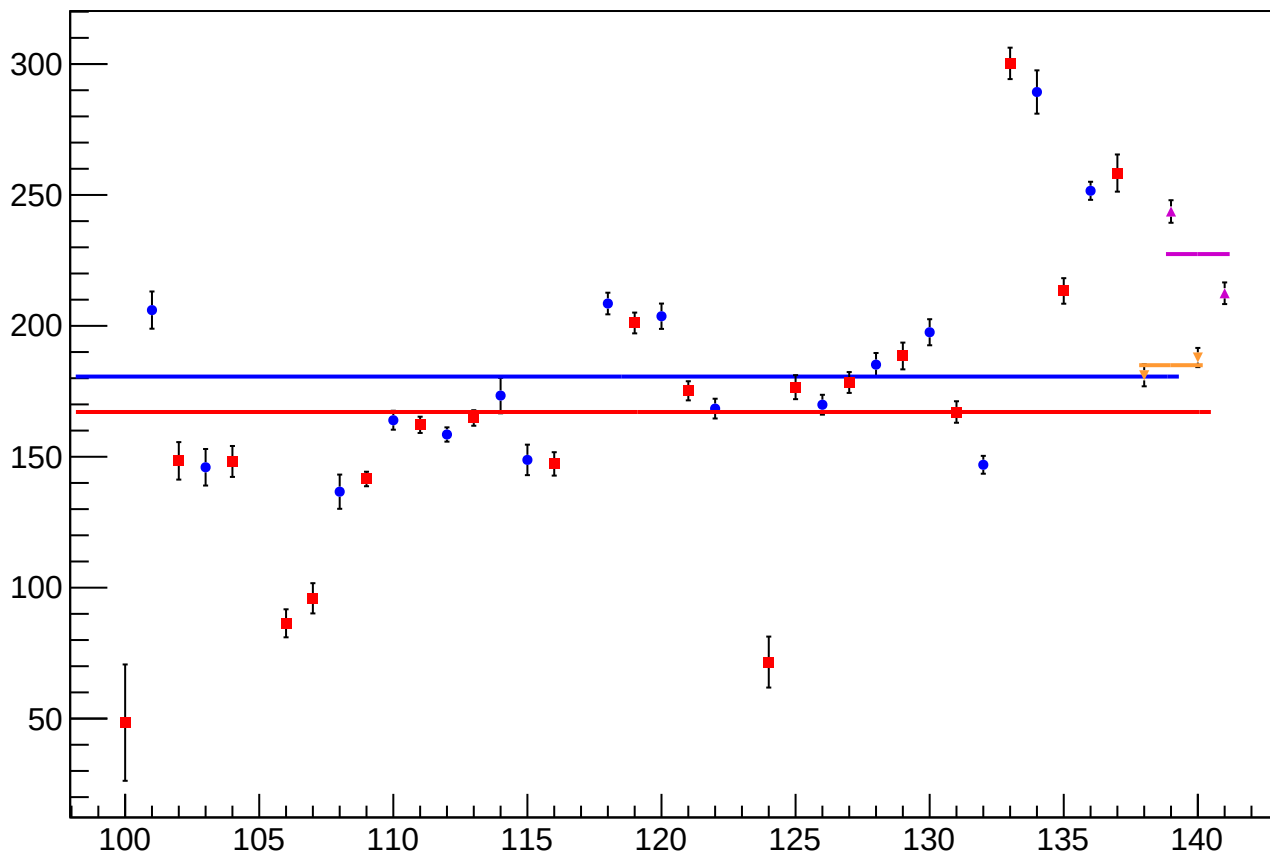
Left In: -8.327 $\pm$ 0.037 χ^2 /NDF: 4418.5/1

+ sign 4.156 $\pm$ 0.024 χ^2 /NDF: 508261.8/17

All: 2.812 $\pm$ 0.017 χ^2 /NDF: 1080263.9/38

- sign 1.452 $\pm$ 0.024 χ^2 /NDF: 565519.7/20

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

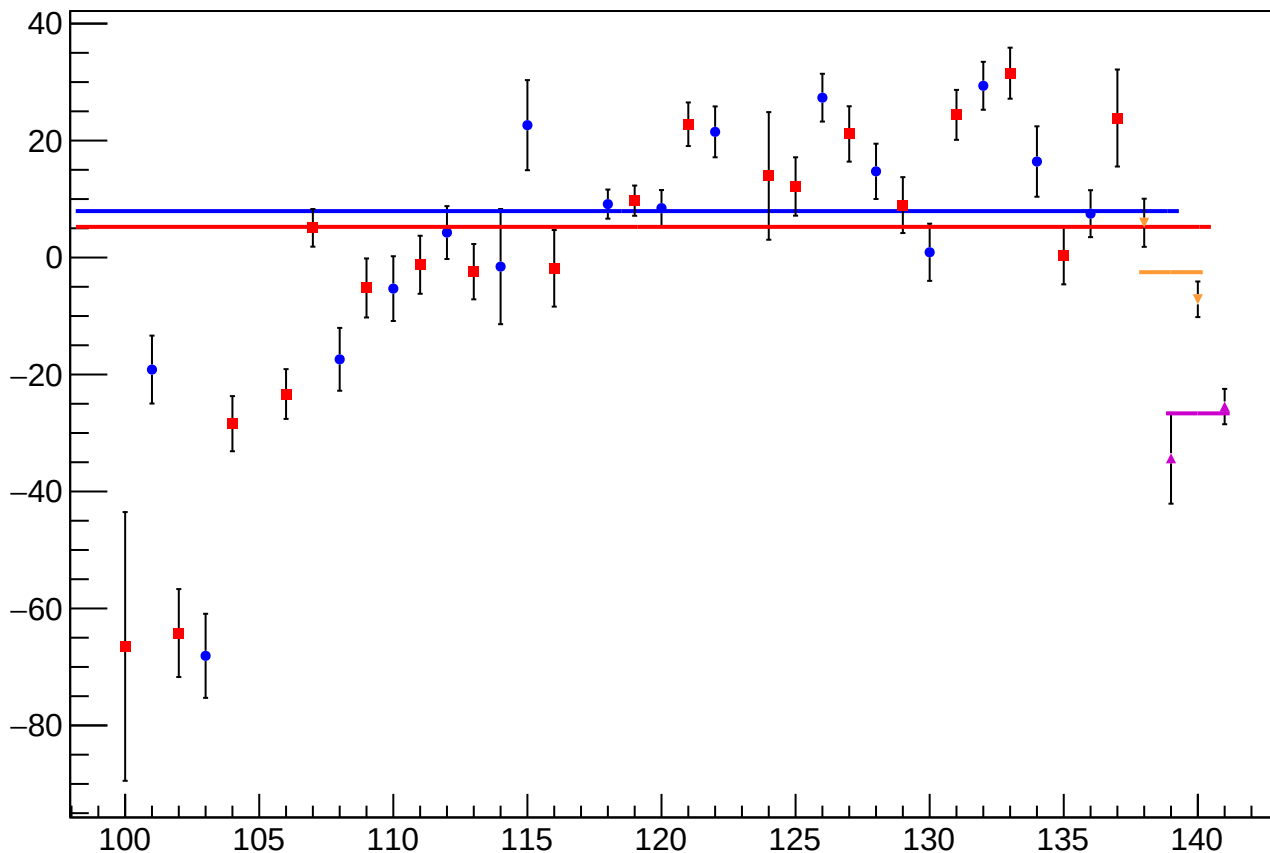
Left In: 227.422 $\pm$ 2.984 χ^2 /NDF: 27.3/1

+ sign 181.219 $\pm$ 1.014 χ^2 /NDF: 997.0/17

All: 177.132 $\pm$ 0.699 χ^2 /NDF: 2905.8/38

- sign 173.422 $\pm$ 0.966 χ^2 /NDF: 1877.7/20

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

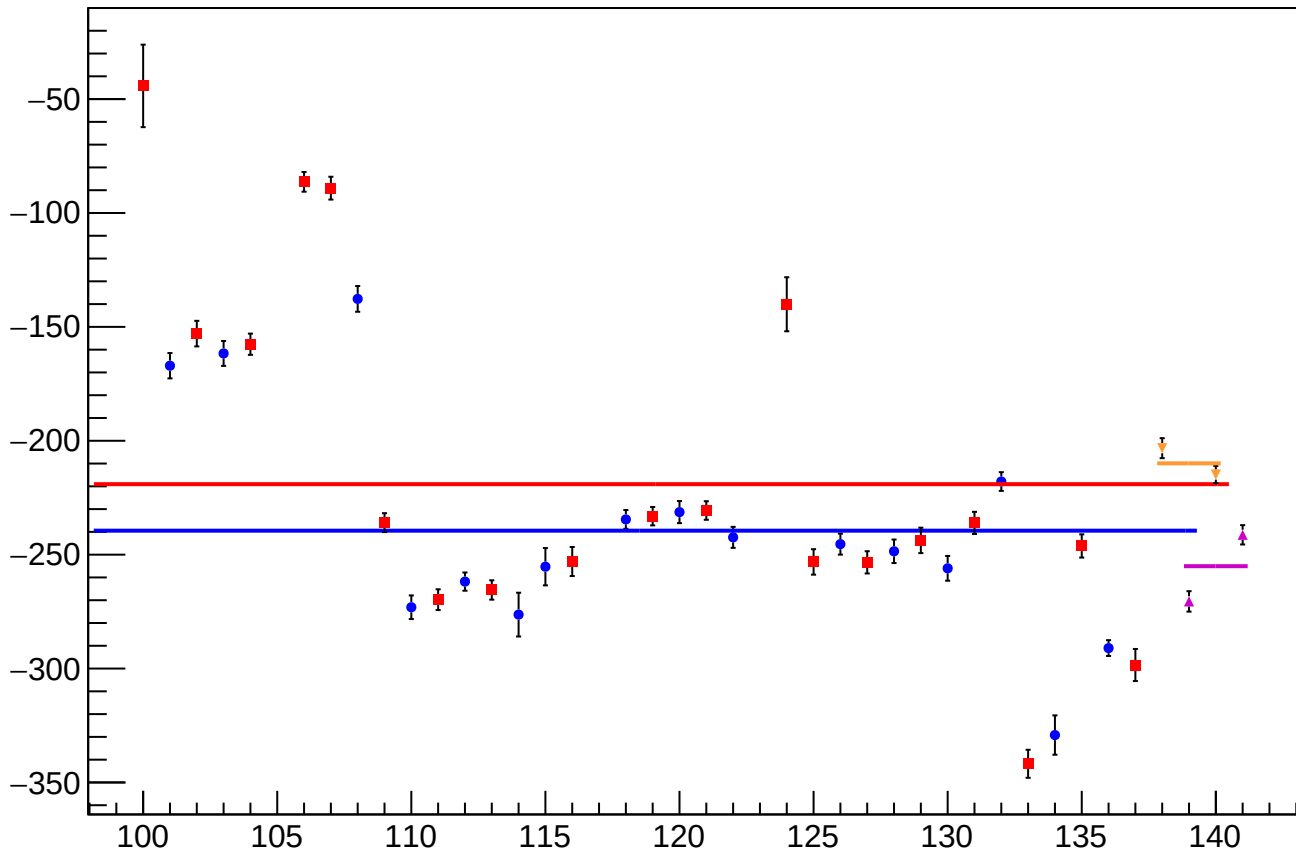
Left In: -26.643 ± 2.816 χ^2/NDF : 1.1/1

+ sign 6.151 ± 1.013 χ^2/NDF : 254.5/17

All: 3.664 ± 0.710 χ^2/NDF : 682.7/38

- sign 1.272 ± 0.994 χ^2/NDF : 416.3/20

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

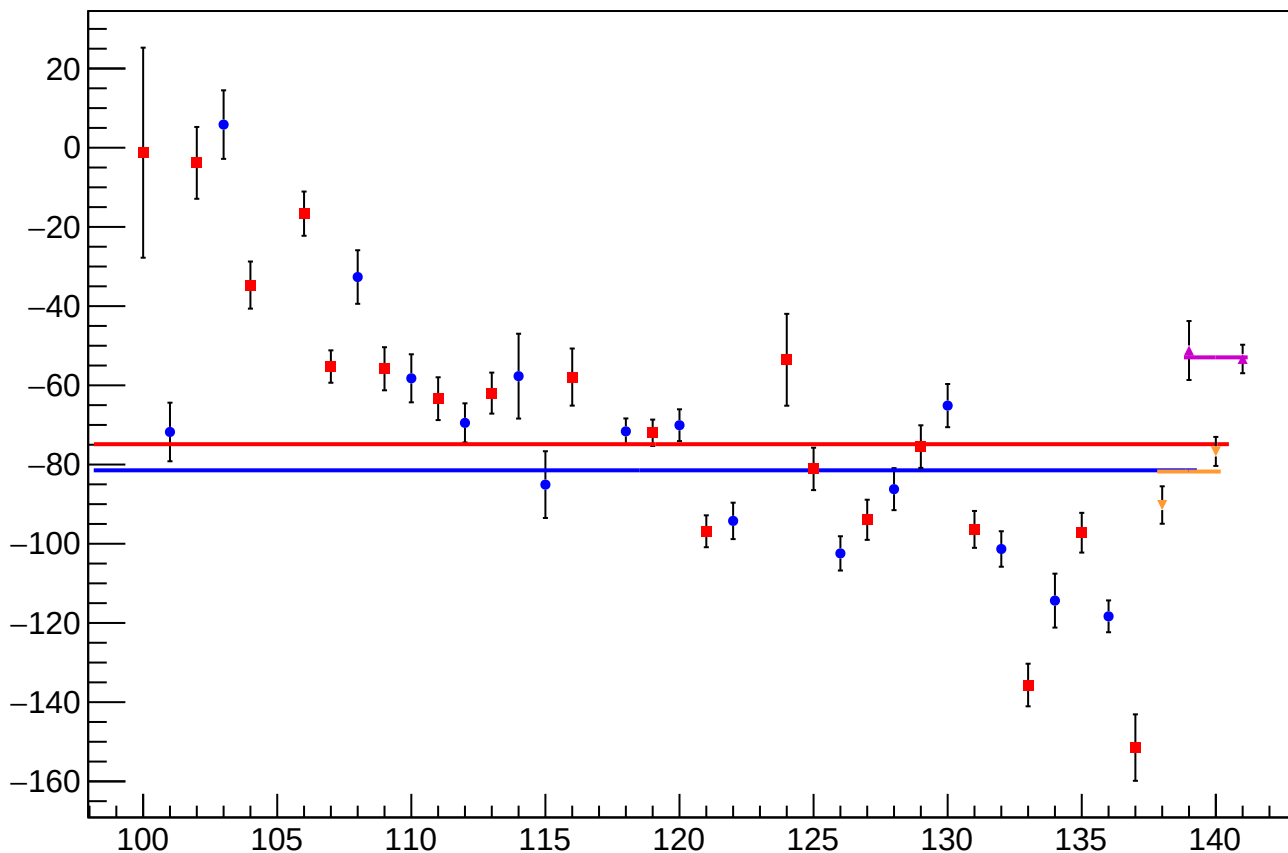
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+ sign -234.754 ± 1.142 χ^2/NDF : 1256.1/17

All: -228.978 ± 0.792 χ^2/NDF : 4496.1/38

- sign -223.626 ± 1.099 χ^2/NDF : 3190.7/20

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462 $\pm$ 1.287 χ^2/NDF : 366.5/15

Left Out: -81.762 $\pm$ 2.895 χ^2/NDF : 5.1/1

Right Out: -74.861 $\pm$ 1.230 χ^2/NDF : 576.6/18

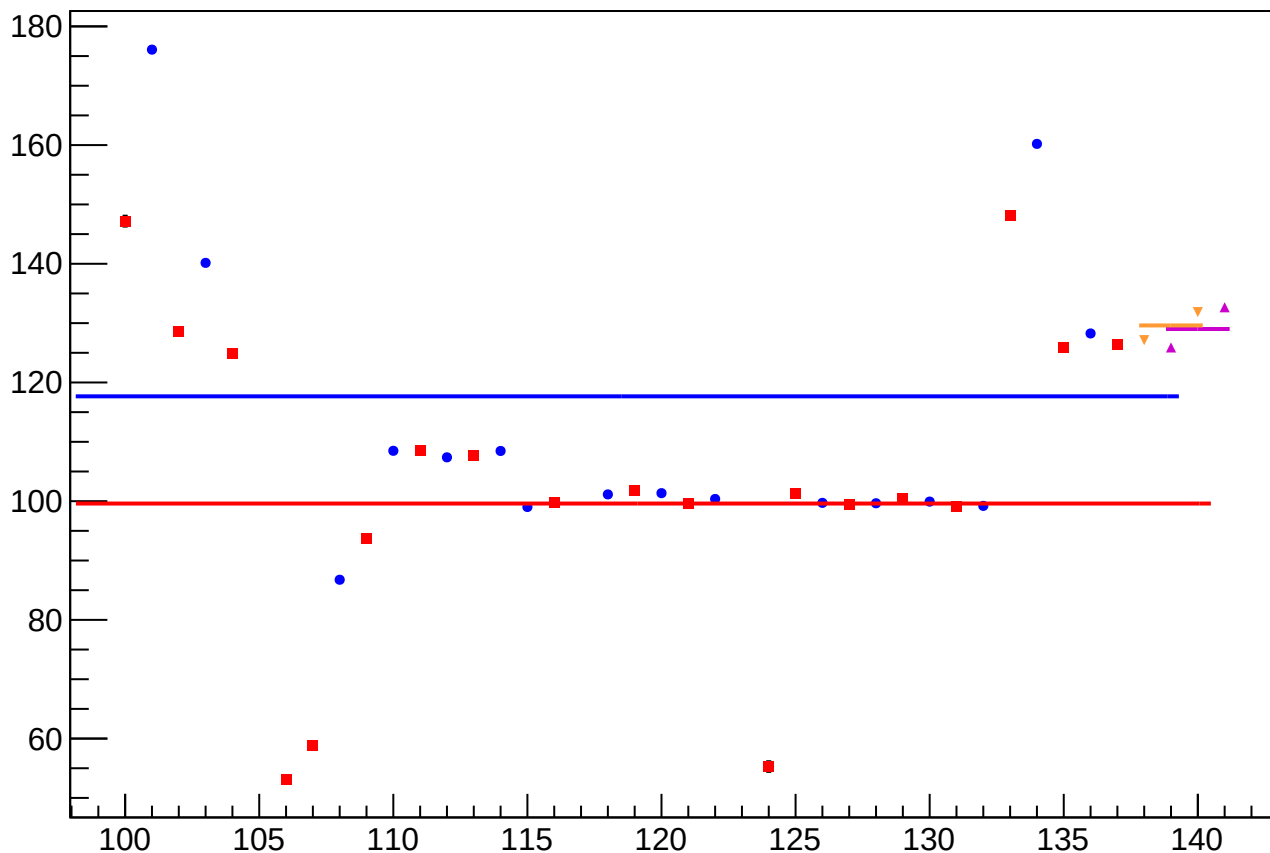
Left In: -52.941 $\pm$ 3.238 χ^2/NDF : 0.1/1

+ sign -81.511 $\pm$ 1.176 χ^2/NDF : 371.6/17

All: -76.699 $\pm$ 0.822 χ^2/NDF : 1021.1/38

- sign -72.097 $\pm$ 1.150 χ^2/NDF : 616.7/20

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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

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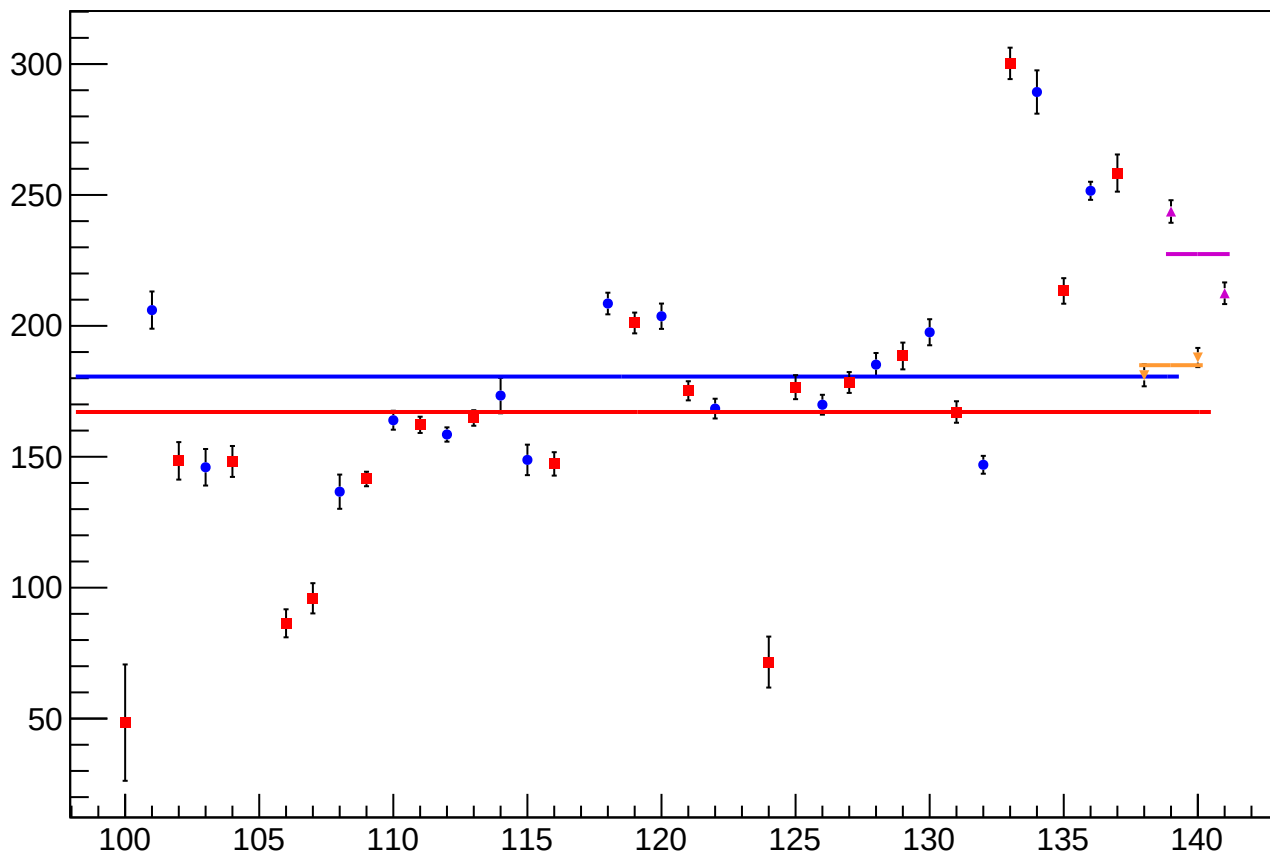
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+ sign 121.156 $\pm$ 0.066 χ^2 /NDF: 102582.3/17

All: 113.637 $\pm$ 0.045 χ^2 /NDF: 339507.0/38

- sign 107.311 $\pm$ 0.060 χ^2 /NDF: 212907.9/20

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



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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

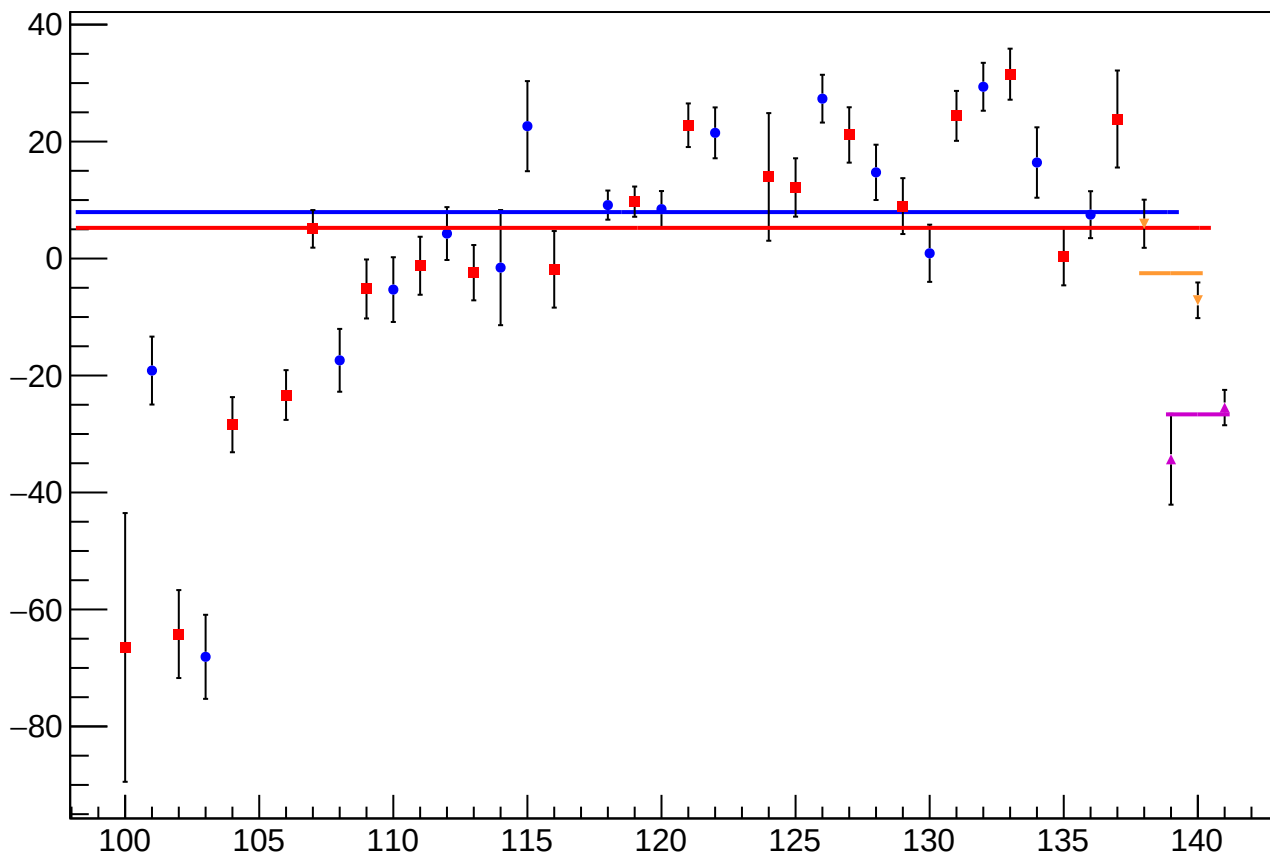
Left In: 227.422 $\pm$ 2.984 χ^2 /NDF: 27.3/1

+ sign 181.219 $\pm$ 1.014 χ^2 /NDF: 997.0/17

All: 177.132 $\pm$ 0.699 χ^2 /NDF: 2905.8/38

- sign 173.422 $\pm$ 0.966 χ^2 /NDF: 1877.7/20

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Left Out: -2.506 ± 2.448 χ^2/NDF : 6.5/1

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

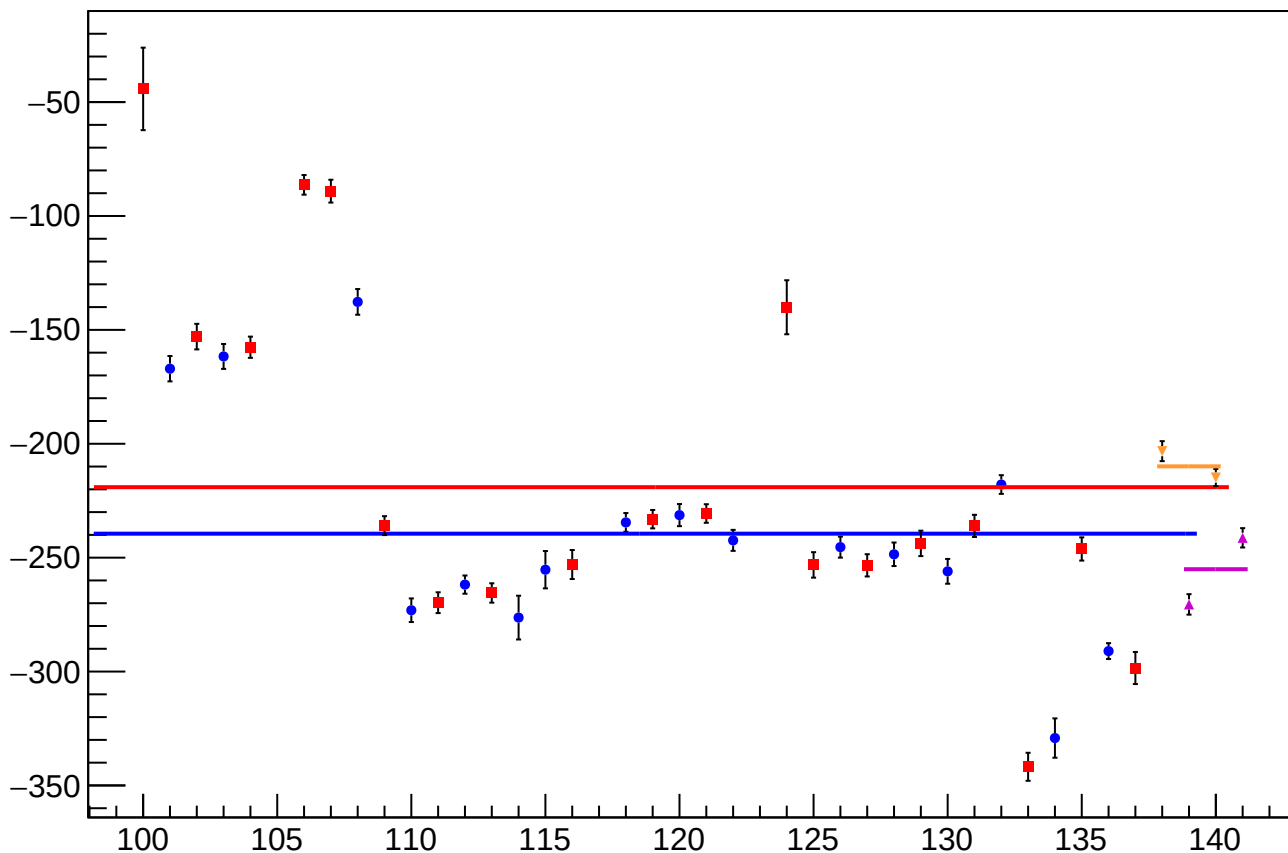
Left In: -26.643 ± 2.816 χ^2/NDF : 1.1/1

+ sign 6.151 ± 1.013 χ^2/NDF : 254.5/17

All: 3.664 ± 0.710 χ^2/NDF : 682.7/38

- sign 1.272 ± 0.994 χ^2/NDF : 416.3/20

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

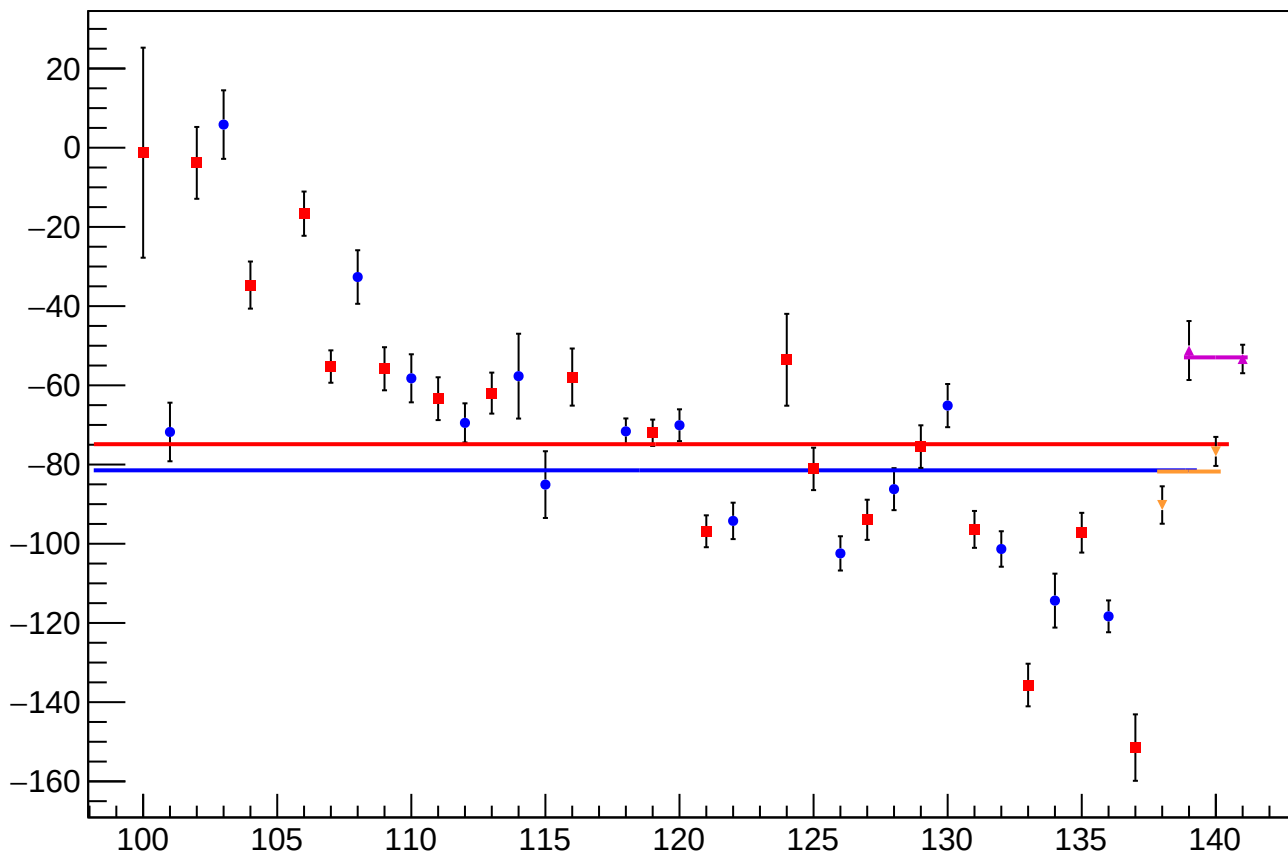
Left In: -255.062+/-3.084 χ^2/NDF : 22.4/1

+ sign -234.754+/-1.142 χ^2/NDF : 1256.1/17

All: -228.978+/-0.792 χ^2/NDF : 4496.1/38

- sign -223.626+/-1.099 χ^2/NDF : 3190.7/20

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

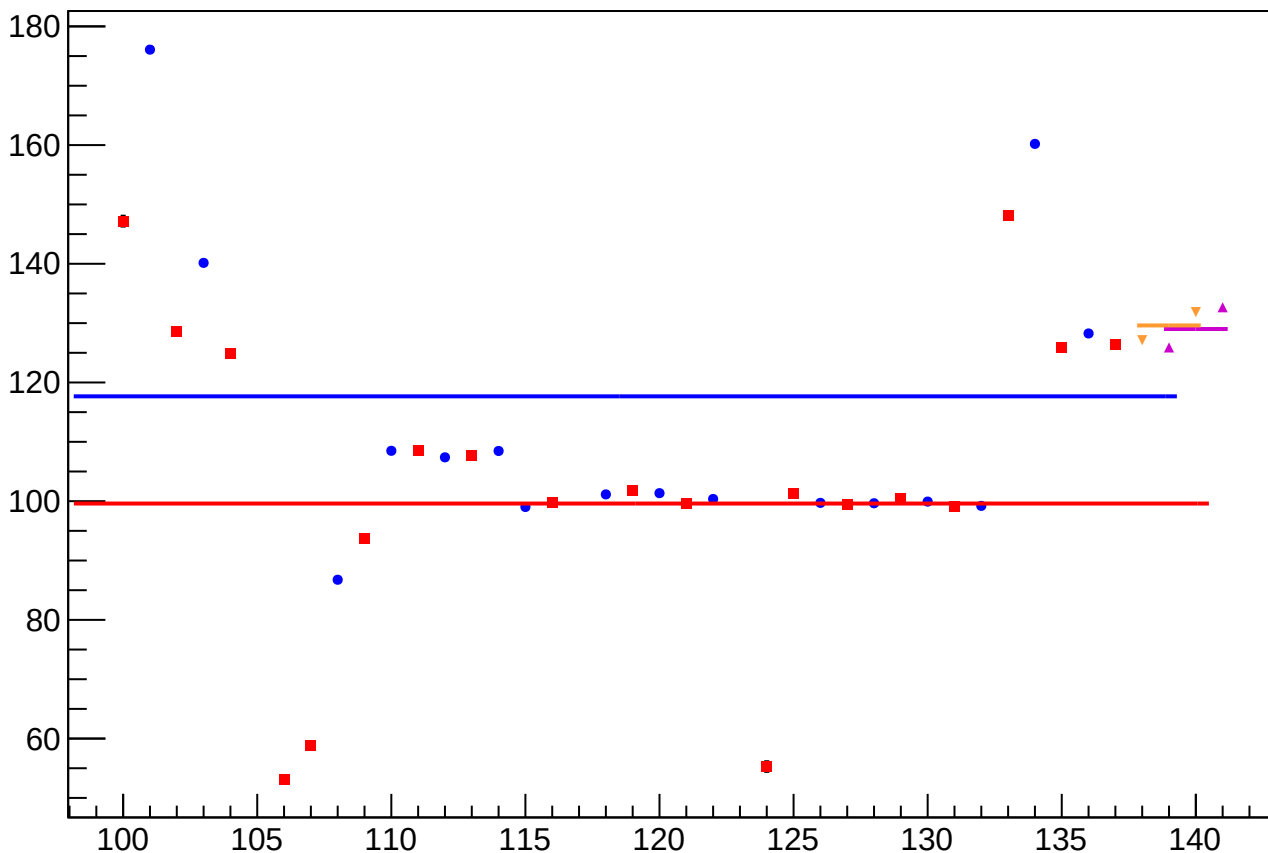
Left In: -52.941 ± 3.238 χ^2/NDF : 0.1/1

+ sign -81.511 ± 1.176 χ^2/NDF : 371.6/17

All: -76.699 ± 0.822 χ^2/NDF : 1021.1/38

- sign -72.097 ± 1.150 χ^2/NDF : 616.7/20

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

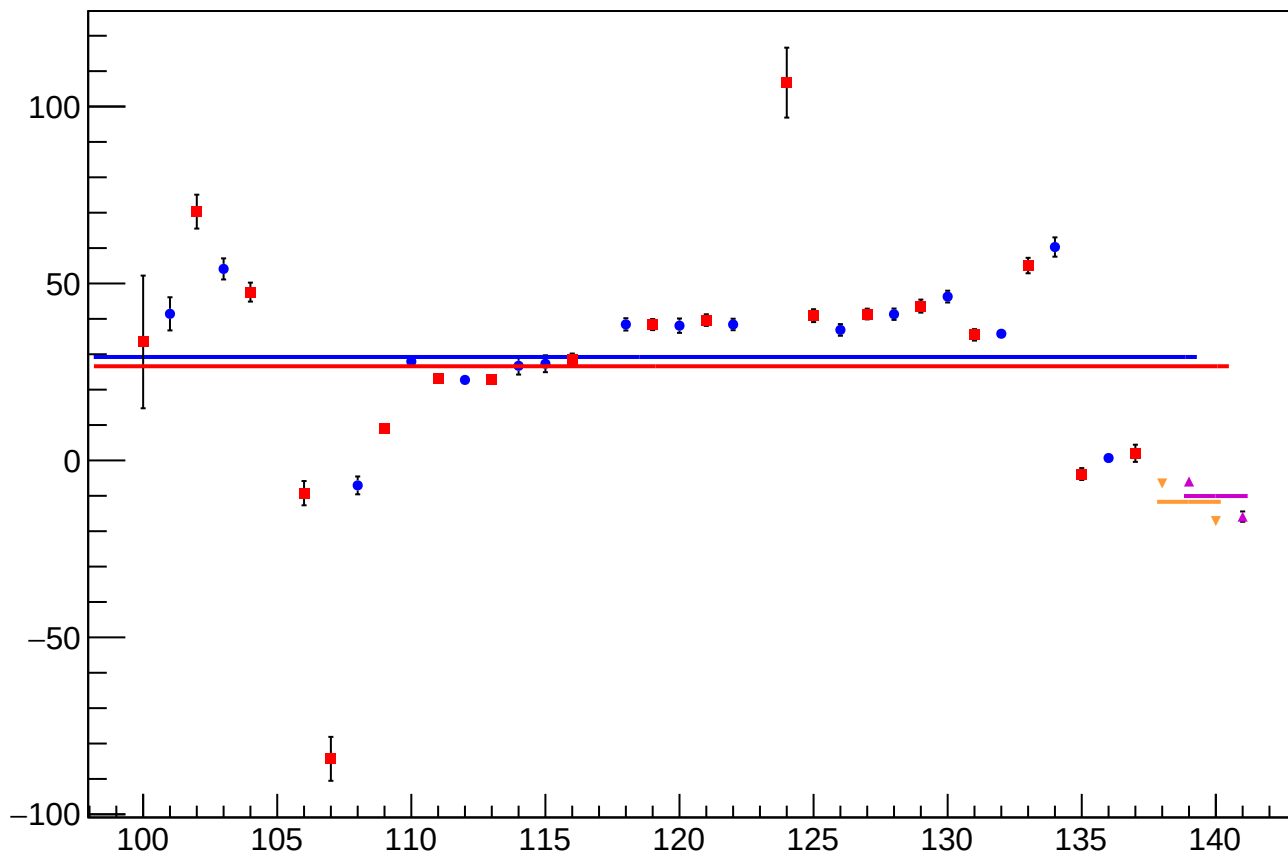
Left In: 129.012 $\pm$ 0.118 χ^2 /NDF: 818.0/1

+ sign 121.156 $\pm$ 0.066 χ^2 /NDF: 102582.3/17

All: 113.637 $\pm$ 0.045 χ^2 /NDF: 339507.0/38

- sign 107.311 $\pm$ 0.060 χ^2 /NDF: 212907.9/20

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

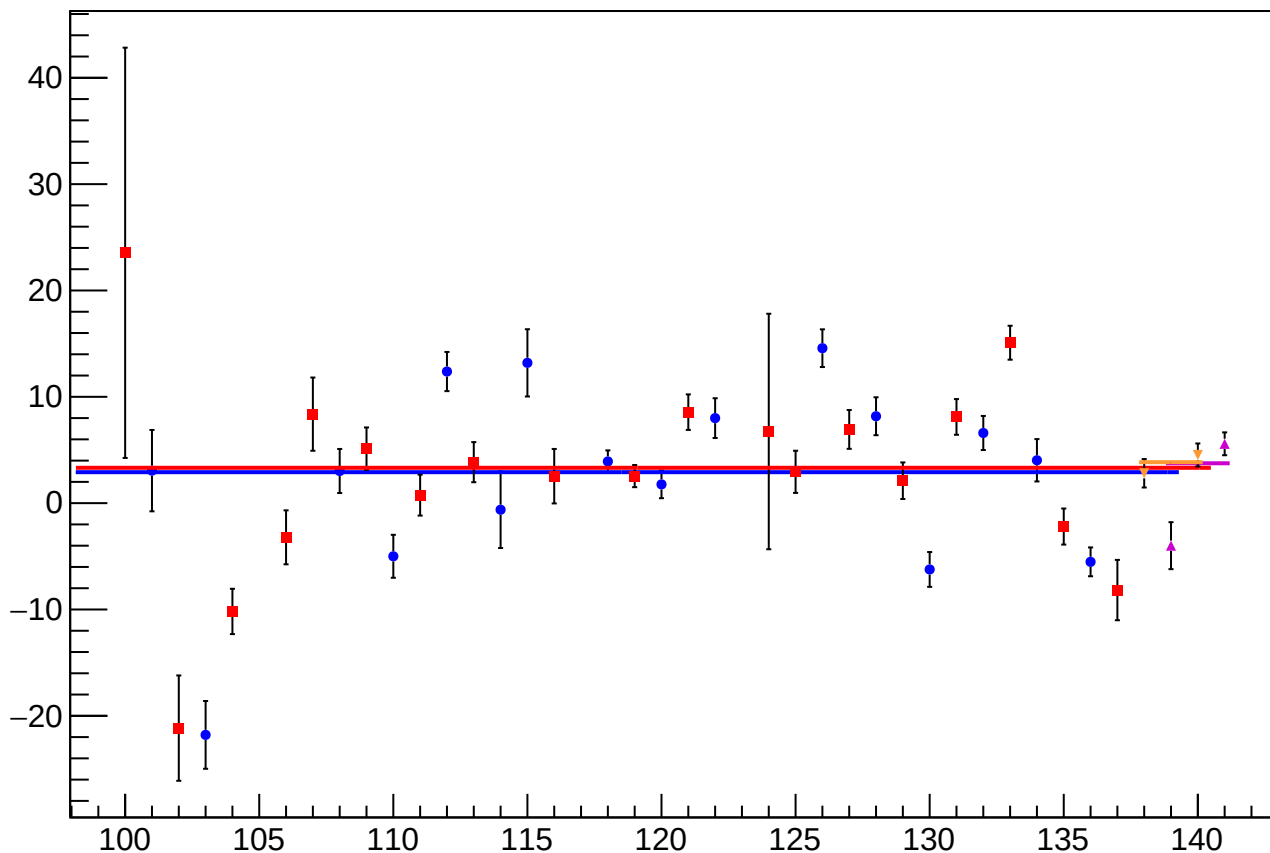
Left In: -10.061+/-0.939 χ^2/NDF : 27.1/1

+ sign 21.781+/-0.384 χ^2/NDF : 3071.1/17

All: 21.200+/-0.270 χ^2/NDF : 6301.1/38

- sign 20.634+/-0.379 χ^2/NDF : 3225.5/20

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

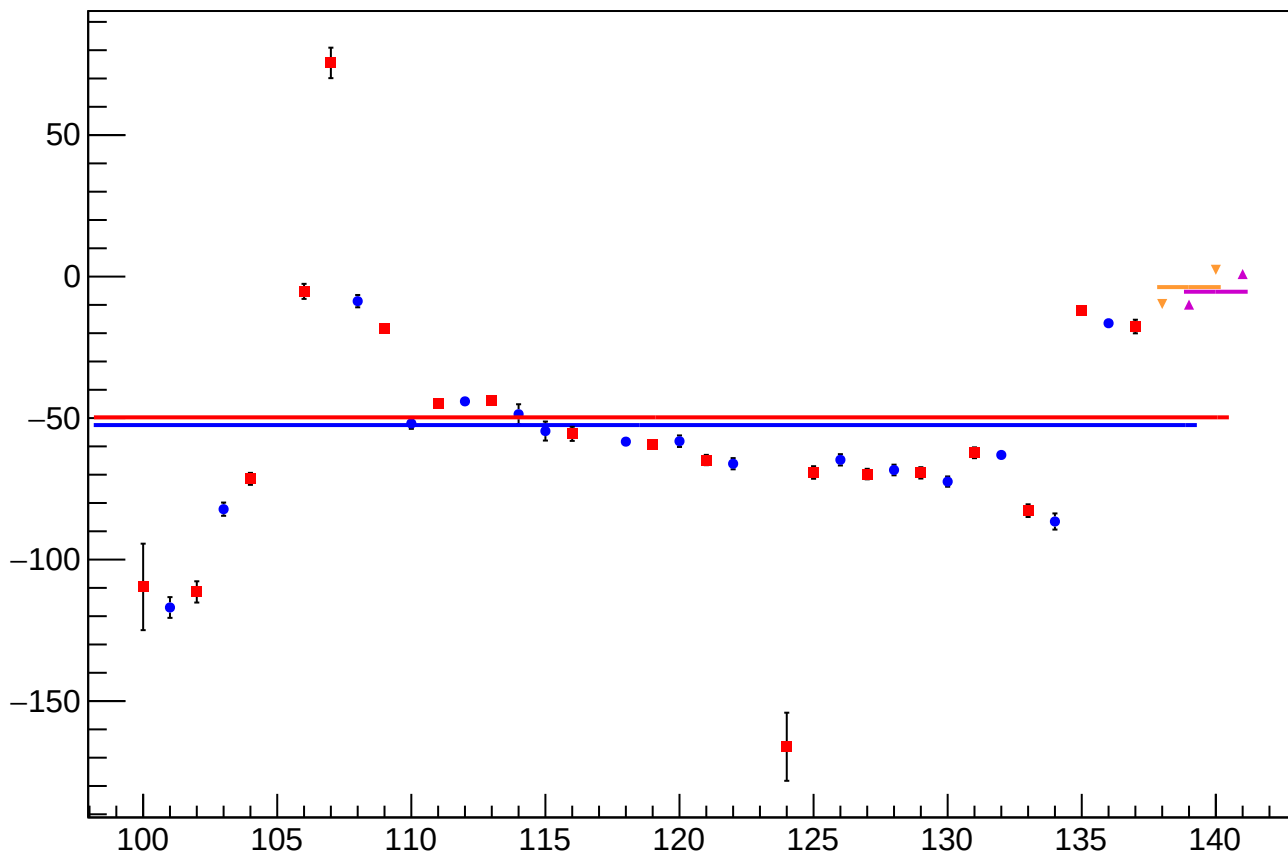
Left In: 3.750 ± 0.966 χ^2/NDF : 15.2/1

+ sign 3.116 ± 0.391 χ^2/NDF : 251.9/17

All: 3.253 ± 0.283 χ^2/NDF : 449.3/38

- sign 3.402 ± 0.411 χ^2/NDF : 197.1/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -52.467 ± 0.488 χ^2/NDF : 2330.2/15

Left Out: -3.713 ± 0.932 χ^2/NDF : 42.0/1

Right Out: -49.734 ± 0.494 χ^2/NDF : 3009.7/18

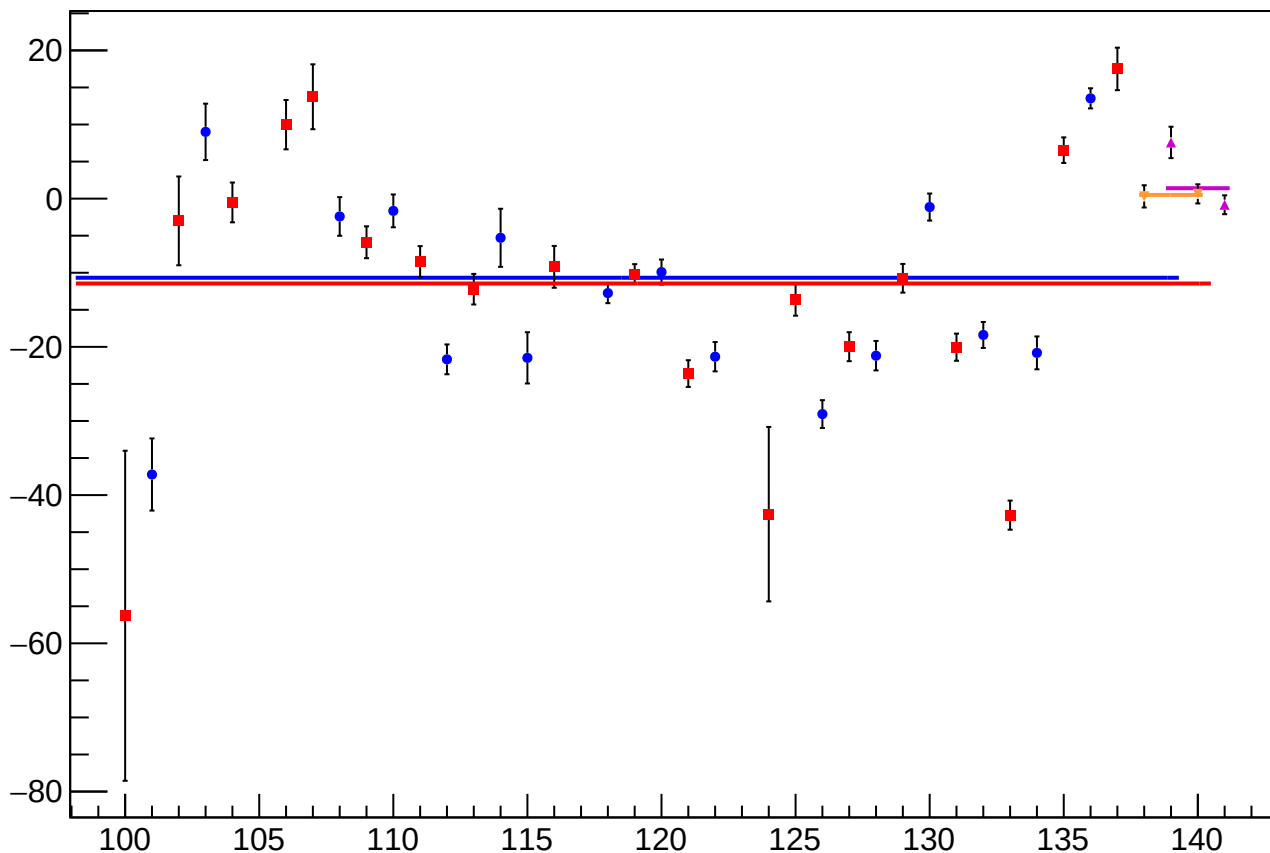
Left In: -5.351 ± 0.972 χ^2/NDF : 30.1/1

+ sign -41.989 ± 0.432 χ^2/NDF : 4519.3/17

All: -41.317 ± 0.308 χ^2/NDF : 9221.3/38

- sign -40.620 ± 0.440 χ^2/NDF : 4697.1/20

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

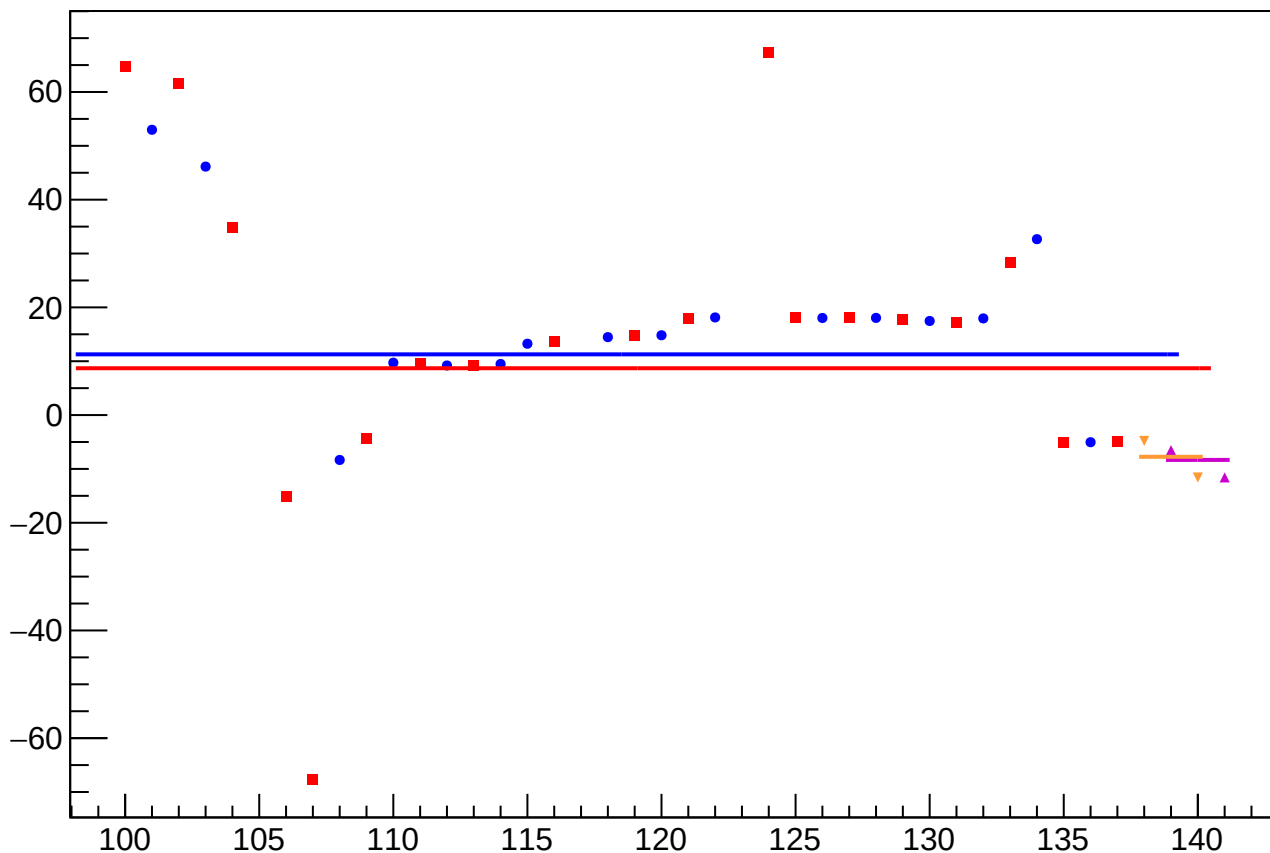
Left In: 1.405 ± 1.091 χ^2/NDF : 11.6/1

+ sign -8.323 ± 0.449 χ^2/NDF : 769.3/17

All: -8.697 ± 0.324 χ^2/NDF : 1561.5/38

- sign -9.101 ± 0.467 χ^2/NDF : 790.7/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF : 349346.9/15

Left Out: -7.749+/-0.039 χ^2/NDF : 7587.5/1

Right Out: 8.698+/-0.031 χ^2/NDF : 436156.0/18

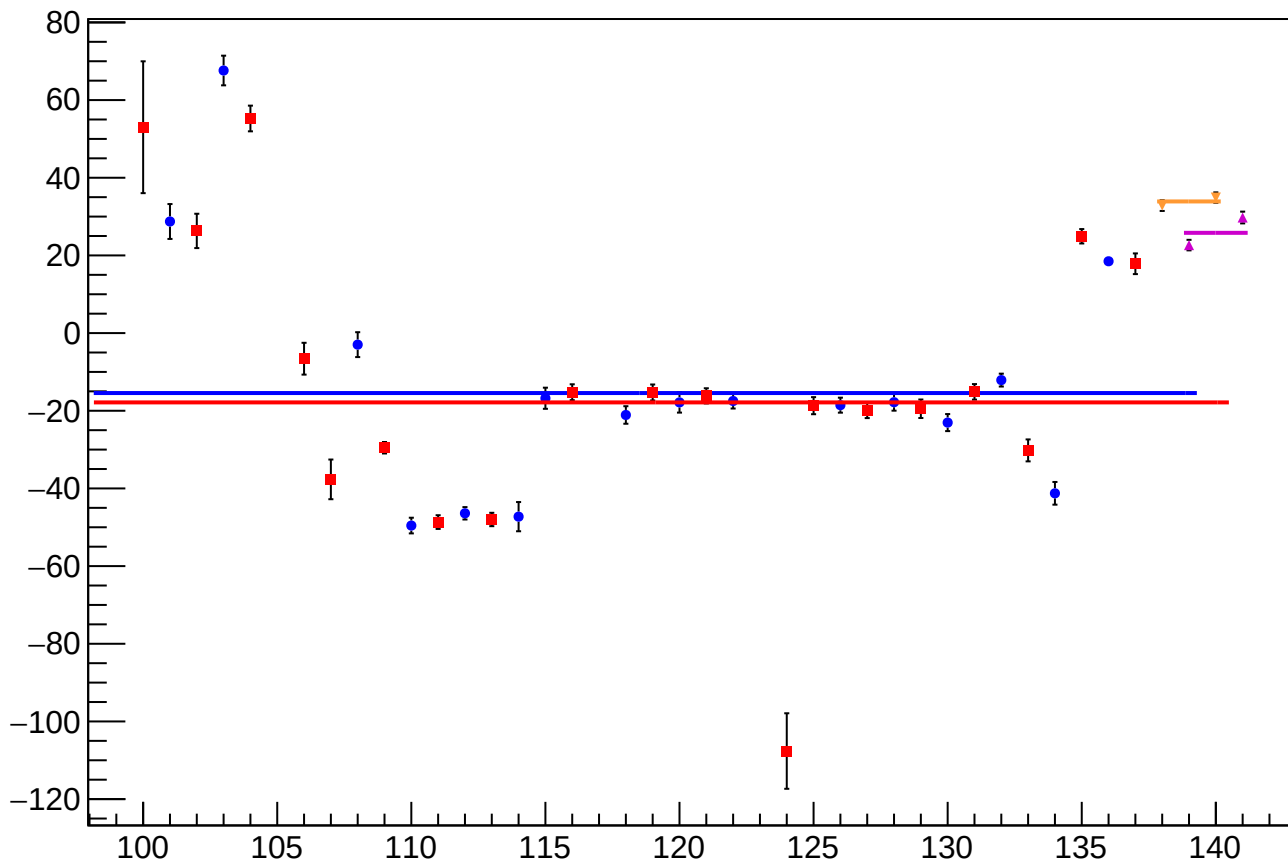
Left In: -8.327+/-0.037 χ^2/NDF : 4418.5/1

+ sign 4.156+/-0.024 χ^2/NDF : 508261.8/17

All: 2.812+/-0.017 χ^2/NDF : 1080263.9/38

- sign 1.452+/-0.024 χ^2/NDF : 565519.7/20

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438 $\pm$ 0.539 χ^2 /NDF: 2124.2/15

Left Out: 33.898 $\pm$ 0.963 χ^2 /NDF: 1.1/1

Right Out: -17.848 $\pm$ 0.530 χ^2 /NDF: 2125.2/18

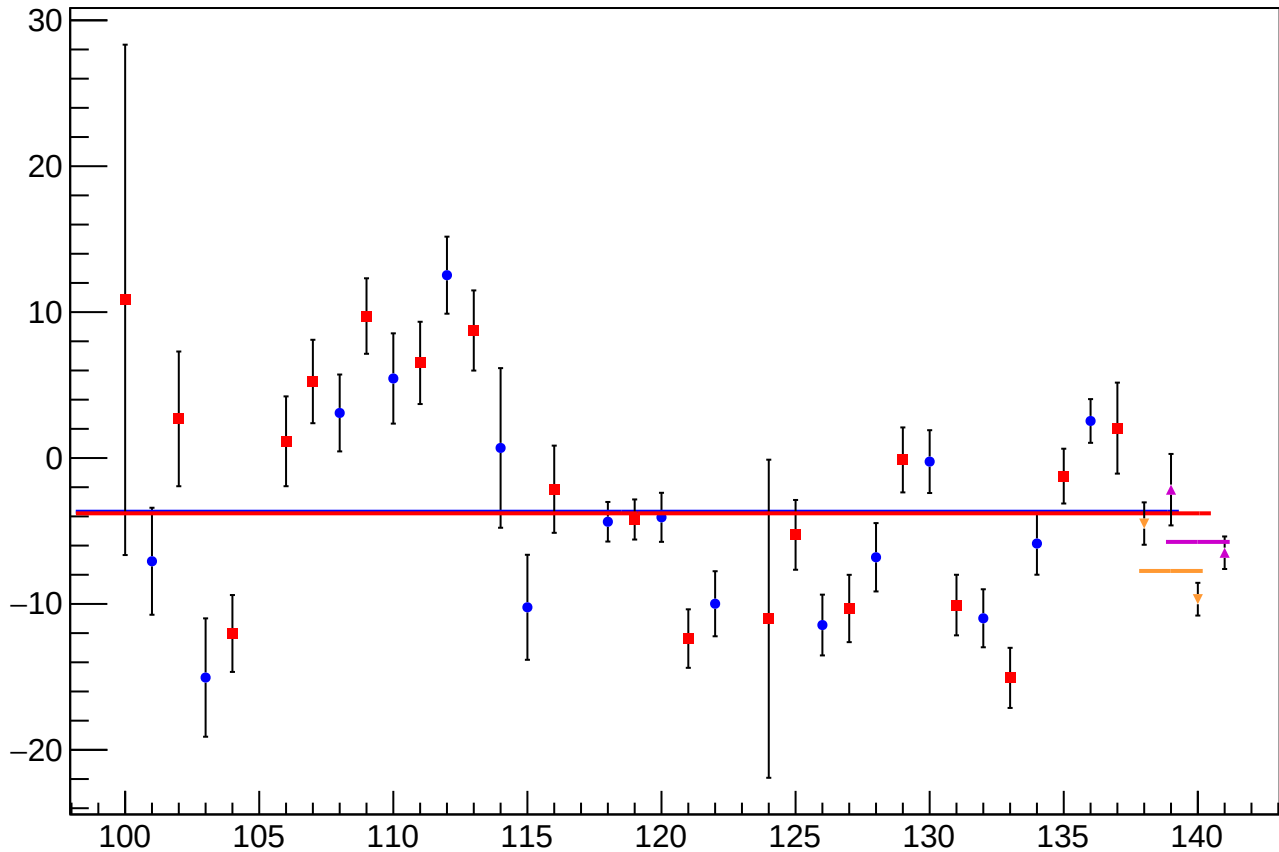
Left In: 25.816 $\pm$ 1.011 χ^2 /NDF: 12.2/1

+ sign -3.677 $\pm$ 0.470 χ^2 /NDF: 4122.3/17

All: -6.070 $\pm$ 0.332 χ^2 /NDF: 7774.2/38

- sign -8.450 $\pm$ 0.469 χ^2 /NDF: 3600.3/20

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

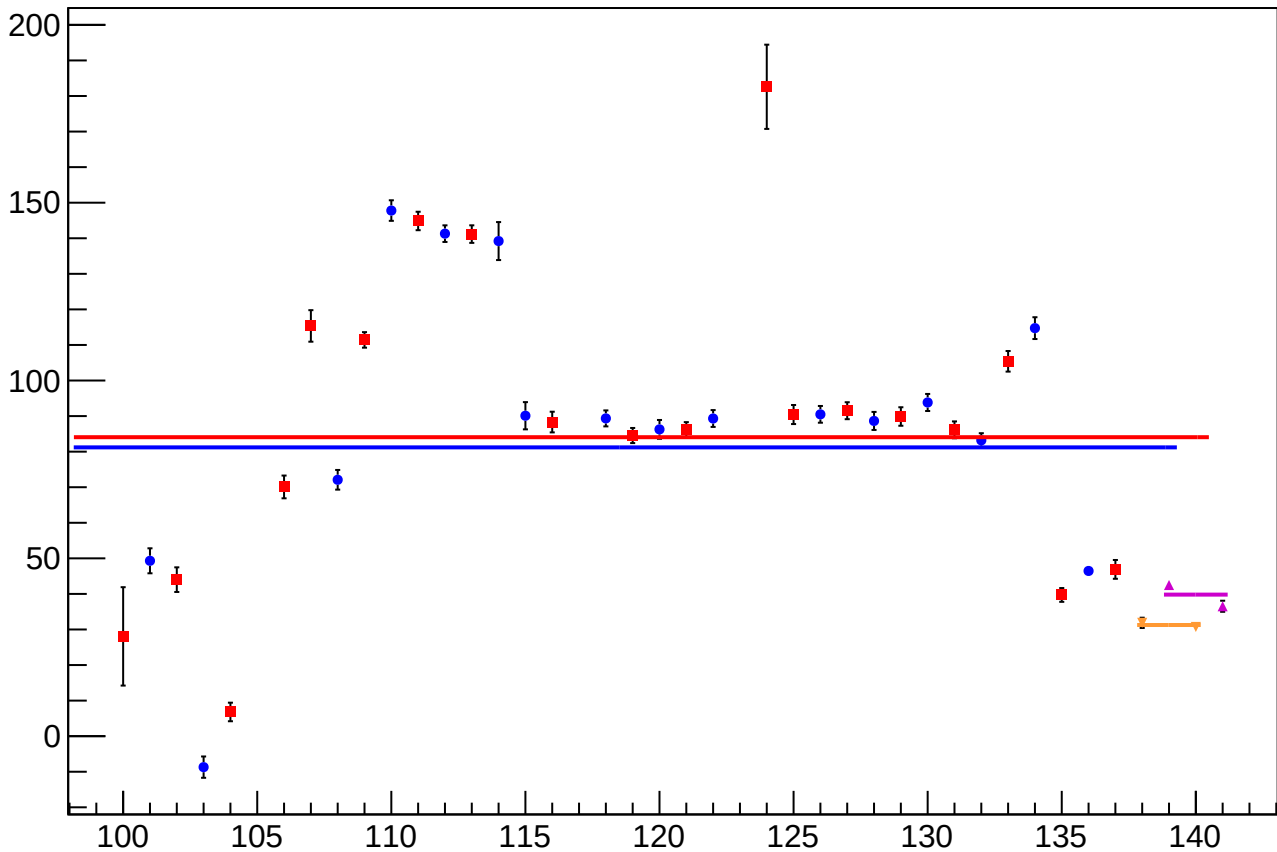
Left In: -5.748 ± 1.015 χ^2/NDF : 2.6/1

+ sign -4.812 ± 0.469 χ^2/NDF : 147.1/17

All: -4.546 ± 0.340 χ^2/NDF : 314.4/38

- sign -4.252 ± 0.493 χ^2/NDF : 166.6/20

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203 $\pm$ 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

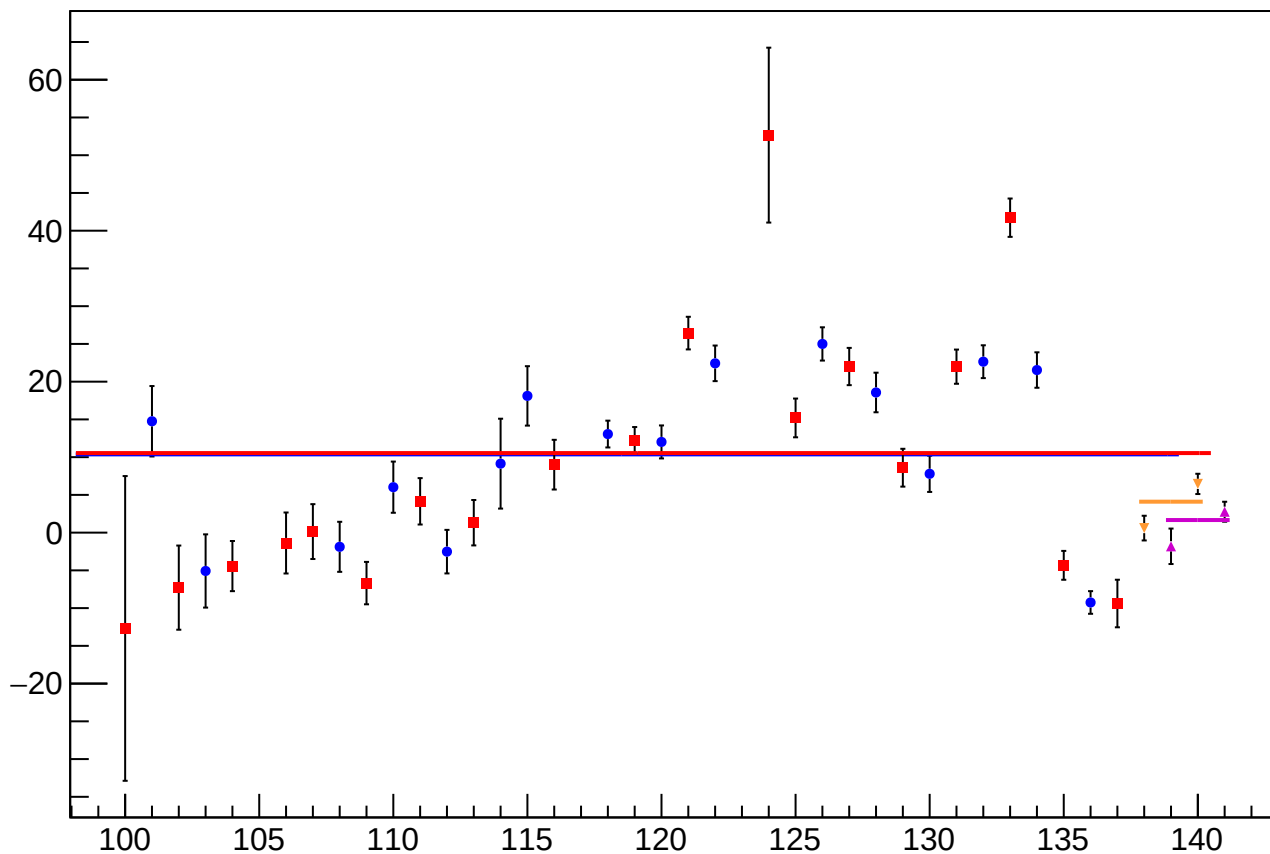
Left In: 39.803 $\pm$ 1.047 χ^2 /NDF: 8.1/1

+ sign 67.716 $\pm$ 0.519 χ^2 /NDF: 5058.6/17

All: 70.134 $\pm$ 0.371 χ^2 /NDF: 9645.9/38

- sign 72.669 $\pm$ 0.531 χ^2 /NDF: 4542.7/20

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

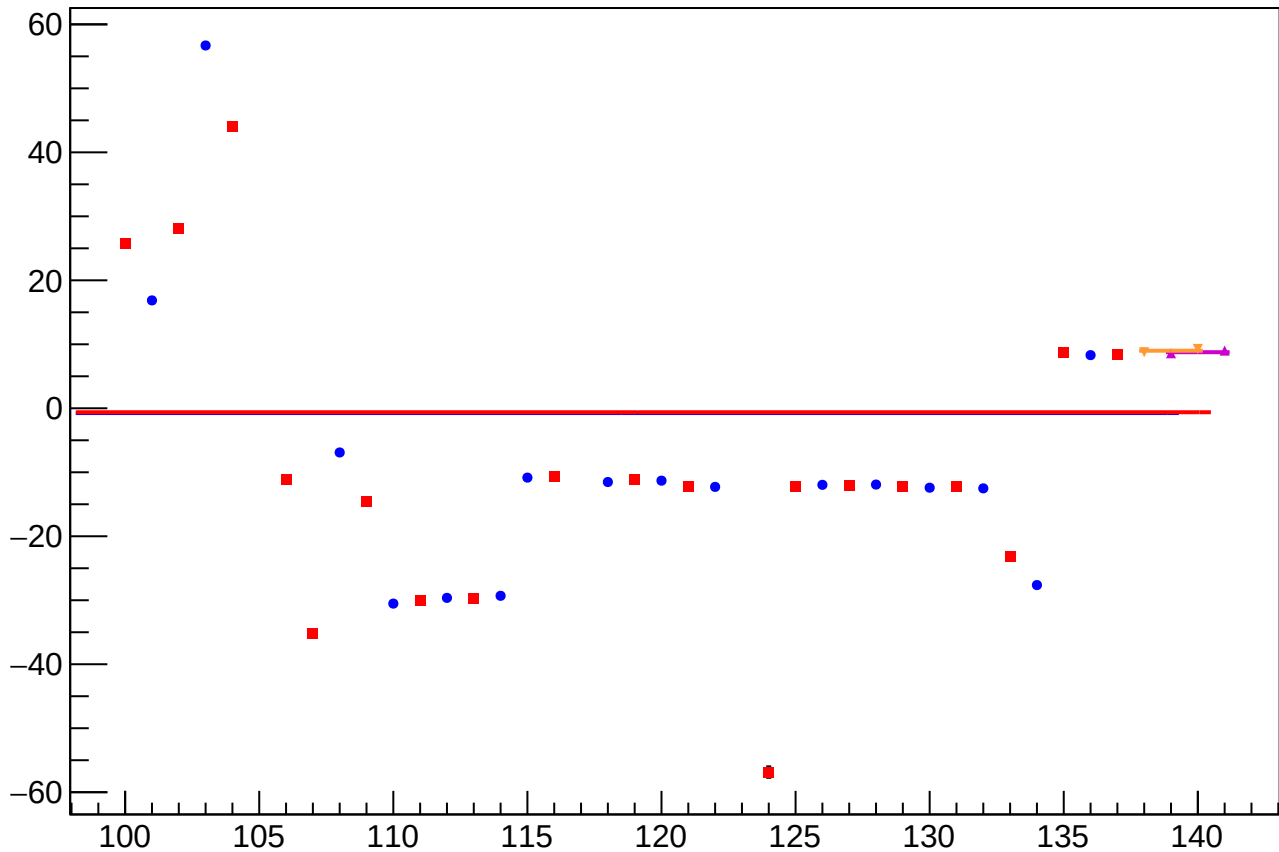
Left In: 1.668 $\pm$ 1.152 χ^2 /NDF: 2.9/1

+ sign 8.693 $\pm$ 0.536 χ^2 /NDF: 394.2/17

All: 8.575 $\pm$ 0.387 χ^2 /NDF: 913.2/38

- sign 8.446 $\pm$ 0.560 χ^2 /NDF: 518.9/20

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

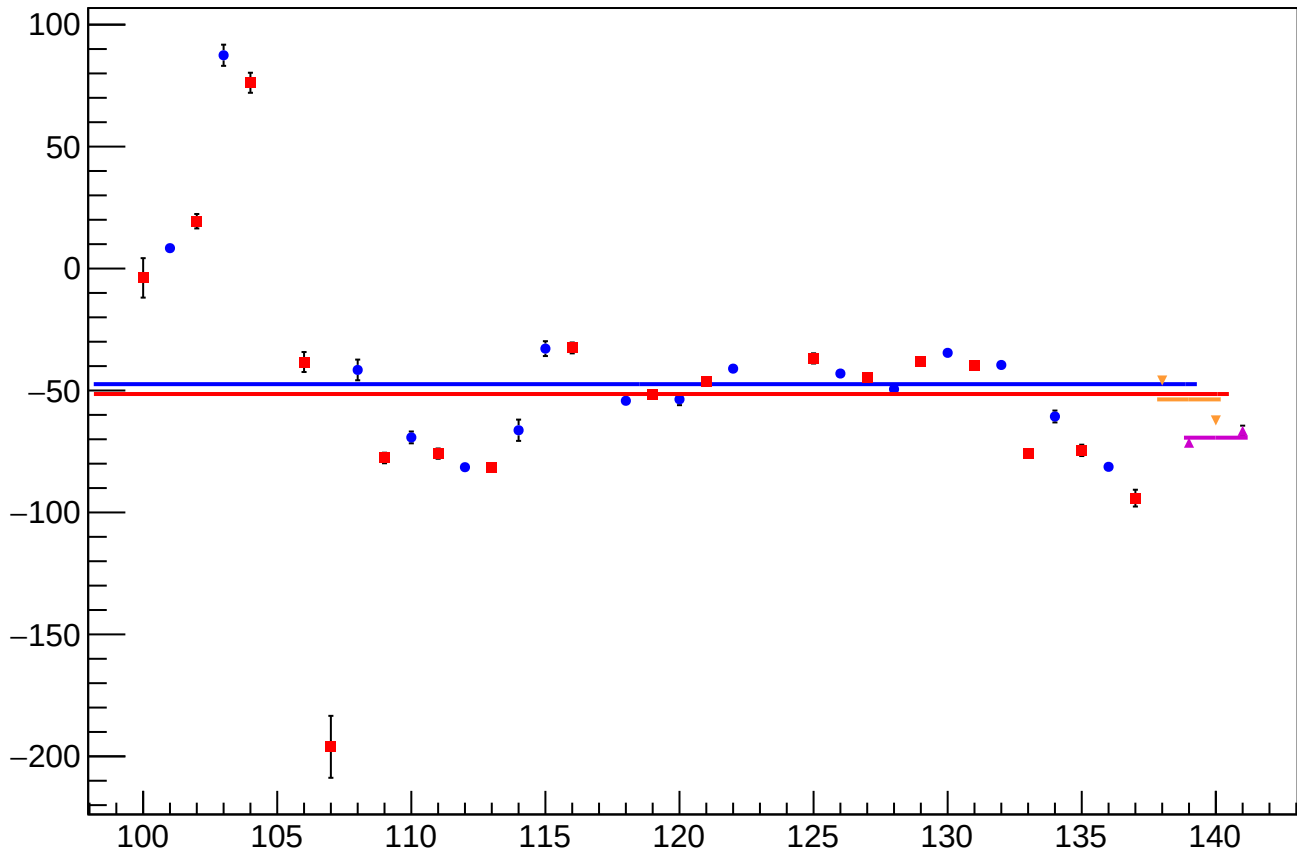
Left In: 8.764 ± 0.039 χ^2/NDF : 26.2/1

+ sign 3.404 ± 0.027 χ^2/NDF : 399439.4/17

All: 3.607 ± 0.019 χ^2/NDF : 745868.8/38

- sign 3.809 ± 0.027 χ^2/NDF : 346318.6/20

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398 ± 0.535 $\chi^2/\text{NDF}: 2769.0/15$

Left Out: -53.651 ± 1.289 $\chi^2/\text{NDF}: 40.1/1$

Right Out: -51.442 ± 0.545 $\chi^2/\text{NDF}: 2872.7/17$

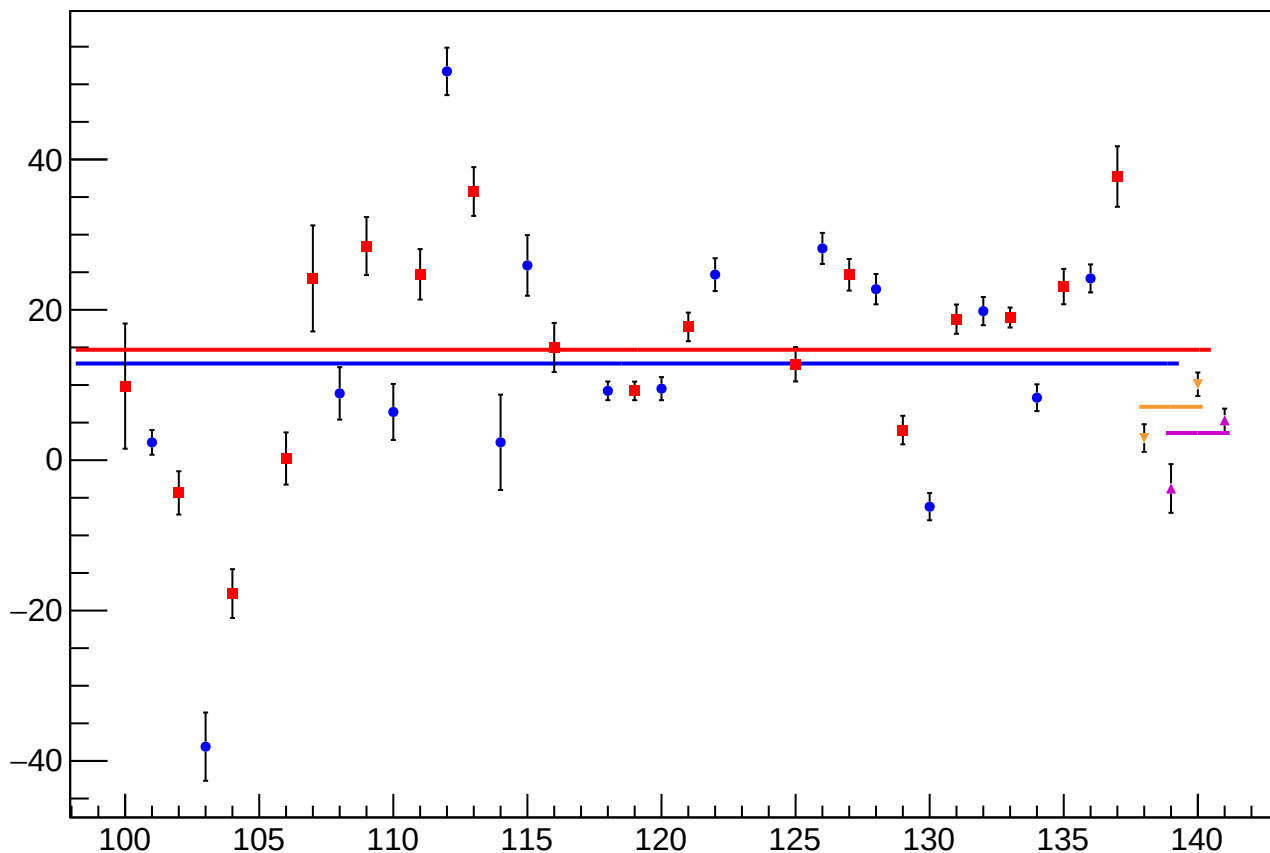
Left In: -69.345 ± 1.374 $\chi^2/\text{NDF}: 3.1/1$

+ sign -48.317 ± 0.494 $\chi^2/\text{NDF}: 2829.2/17$

All: -51.028 ± 0.354 $\chi^2/\text{NDF}: 5913.4/37$

- sign -53.877 ± 0.507 $\chi^2/\text{NDF}: 3022.5/19$

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

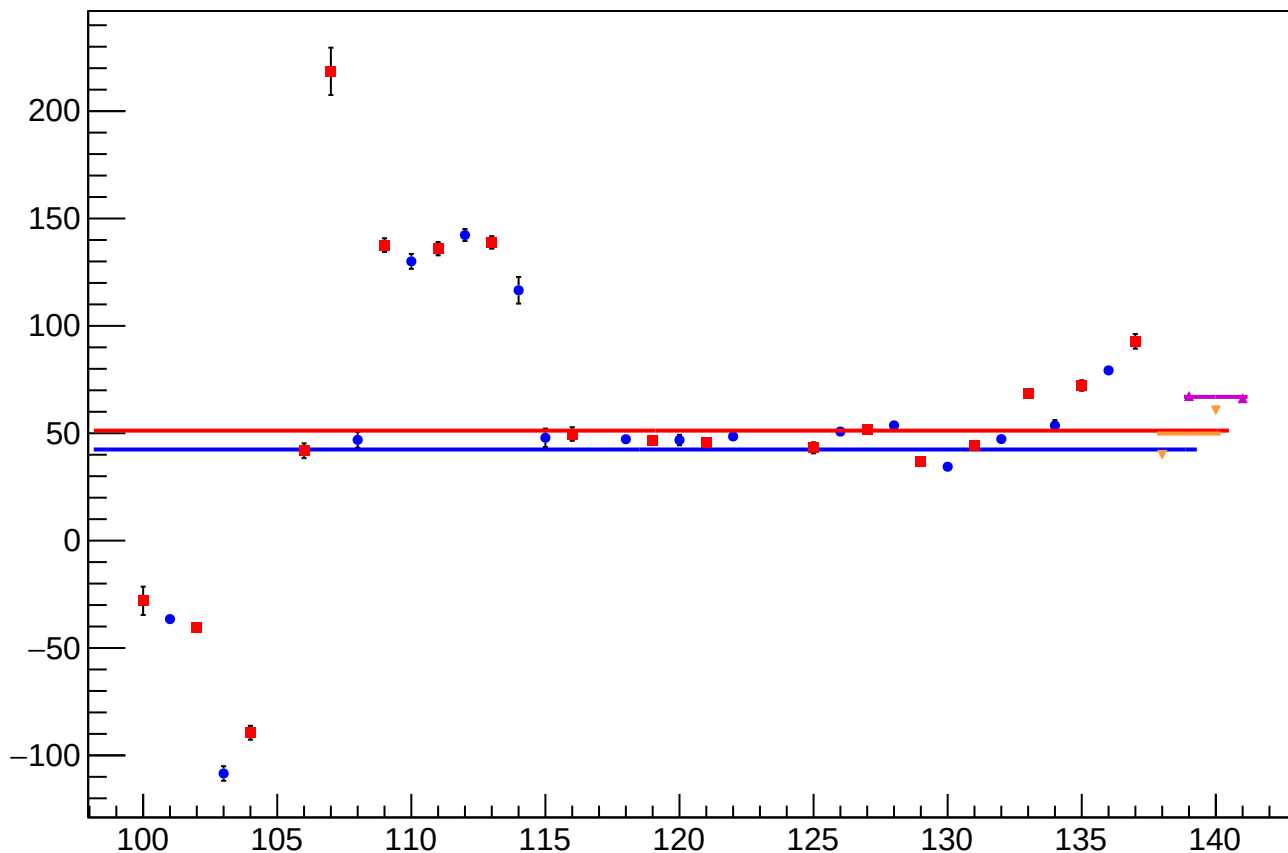
Left In: 3.618 $\pm$ 1.398 χ^2 /NDF: 6.4/1

+ sign 11.944 $\pm$ 0.476 χ^2 /NDF: 653.9/17

All: 12.547 $\pm$ 0.347 χ^2 /NDF: 1082.3/37

- sign 13.234 $\pm$ 0.507 χ^2 /NDF: 425.0/19

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437 $\pm$ 0.584 χ^2 /NDF: 7168.9/15

Left Out: 49.839 $\pm$ 1.336 χ^2 /NDF: 60.0/1

Right Out: 51.226 $\pm$ 0.615 χ^2 /NDF: 6611.3/17

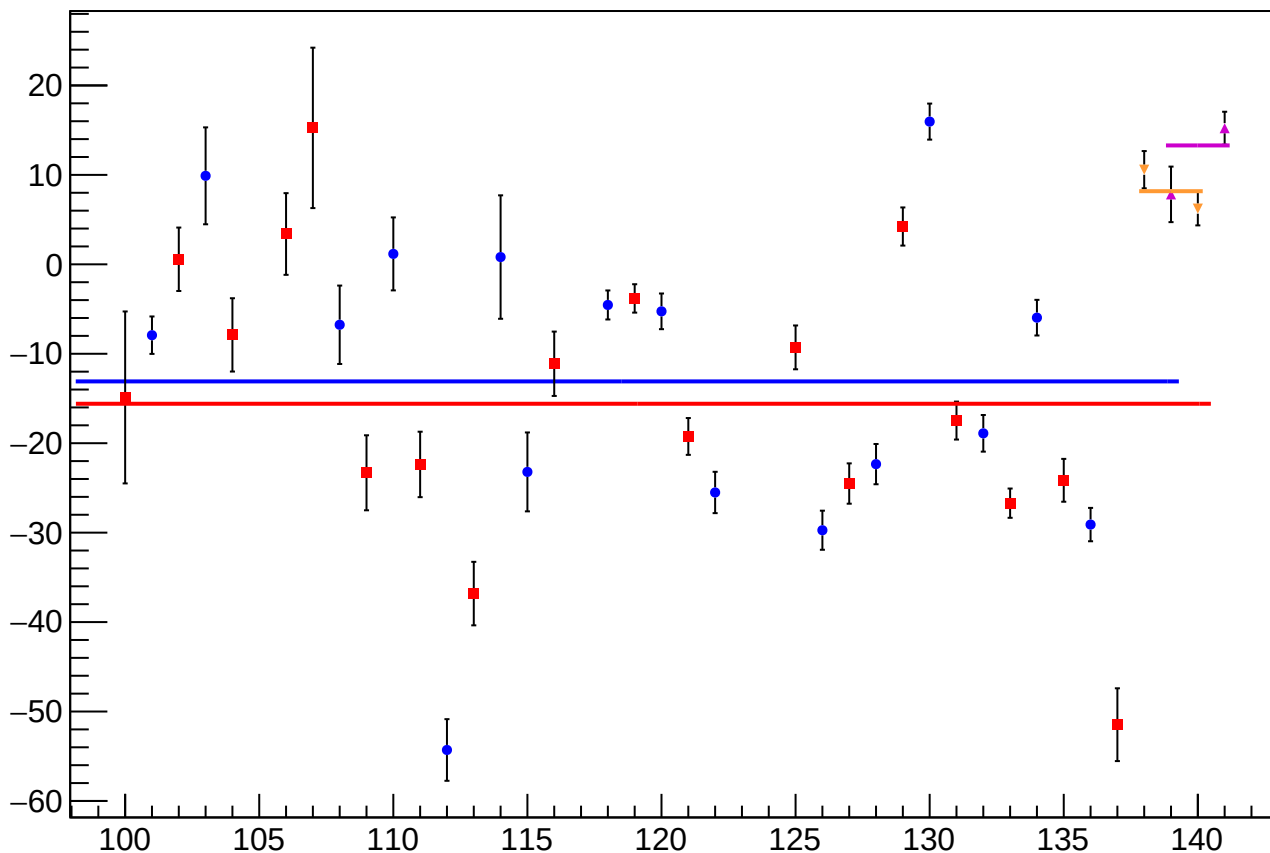
Left In: 66.929 $\pm$ 1.423 χ^2 /NDF: 0.1/1

+ sign 43.625 $\pm$ 0.535 χ^2 /NDF: 7254.7/17

All: 48.395 $\pm$ 0.388 χ^2 /NDF: 14136.2/37

- sign 53.695 $\pm$ 0.564 χ^2 /NDF: 6714.0/19

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090 ± 0.600 χ^2/NDF : 639.9/15

Left Out: 8.177 ± 1.393 χ^2/NDF : 2.4/1

Right Out: -15.589 ± 0.627 χ^2/NDF : 401.8/17

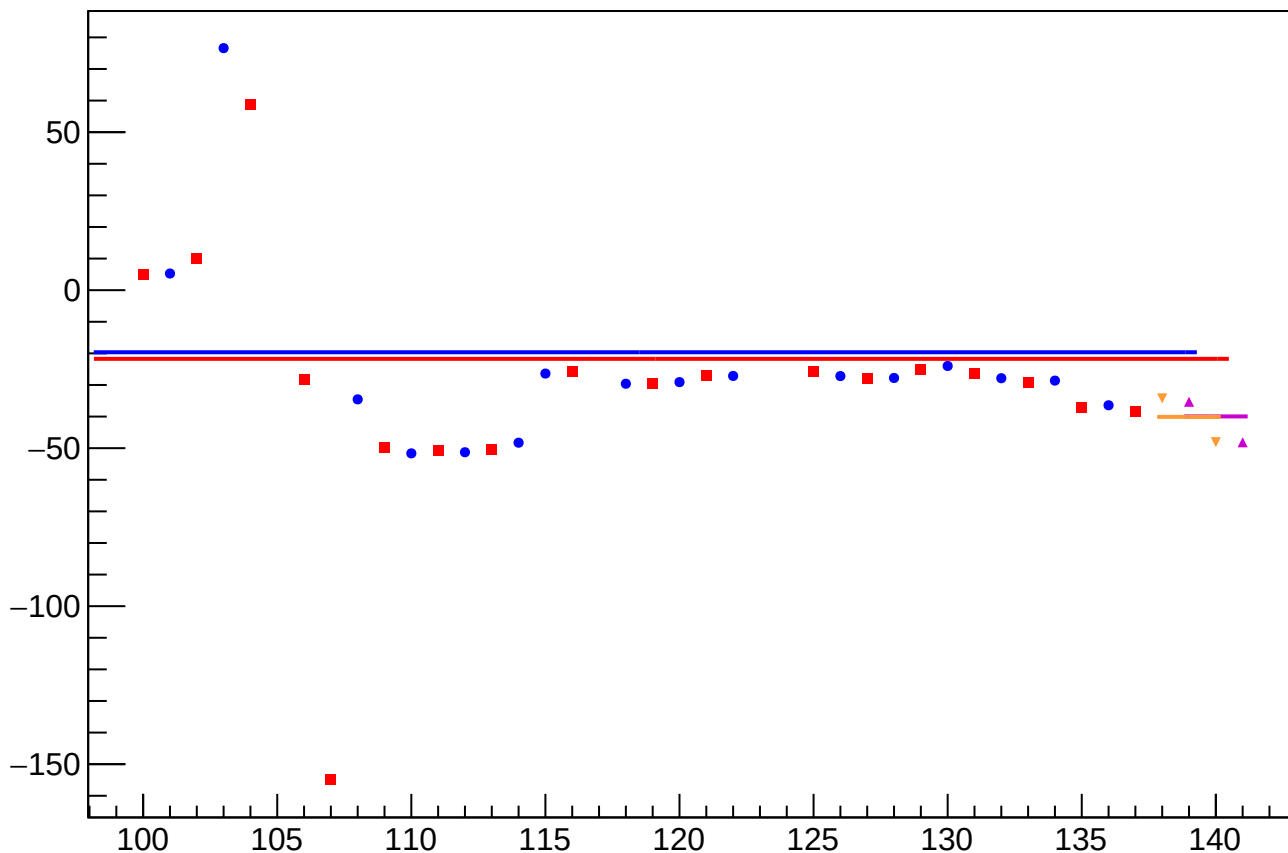
Left In: 13.294 ± 1.584 χ^2/NDF : 4.2/1

+ sign -9.766 ± 0.551 χ^2/NDF : 838.9/17

All: -10.668 ± 0.400 χ^2/NDF : 1538.1/37

- sign -11.678 ± 0.583 χ^2/NDF : 693.6/19

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644 ± 0.036 $\chi^2/\text{NDF}: 646925.7/15$

Left Out: -40.101 ± 0.056 $\chi^2/\text{NDF}: 15088.6/1$

Right Out: -21.730 ± 0.039 $\chi^2/\text{NDF}: 546659.9/17$

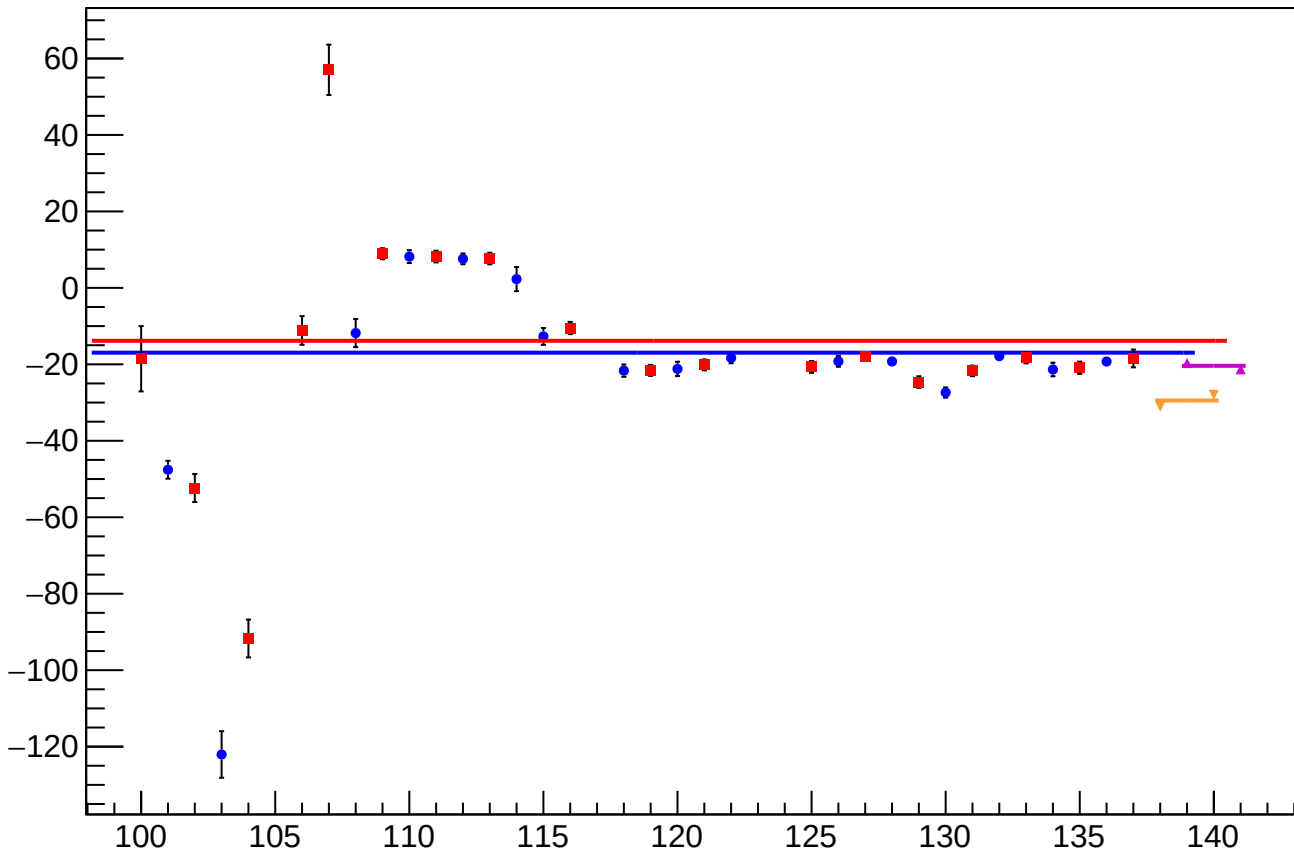
Left In: -39.951 ± 0.053 $\chi^2/\text{NDF}: 13343.3/1$

+ sign -25.694 ± 0.030 $\chi^2/\text{NDF}: 756927.3/17$

All: -26.826 ± 0.022 $\chi^2/\text{NDF}: 1395916.1/37$

- sign -28.045 ± 0.031 $\chi^2/\text{NDF}: 636090.2/19$

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 $\chi^2/\text{NDF}: 1333.2/17$

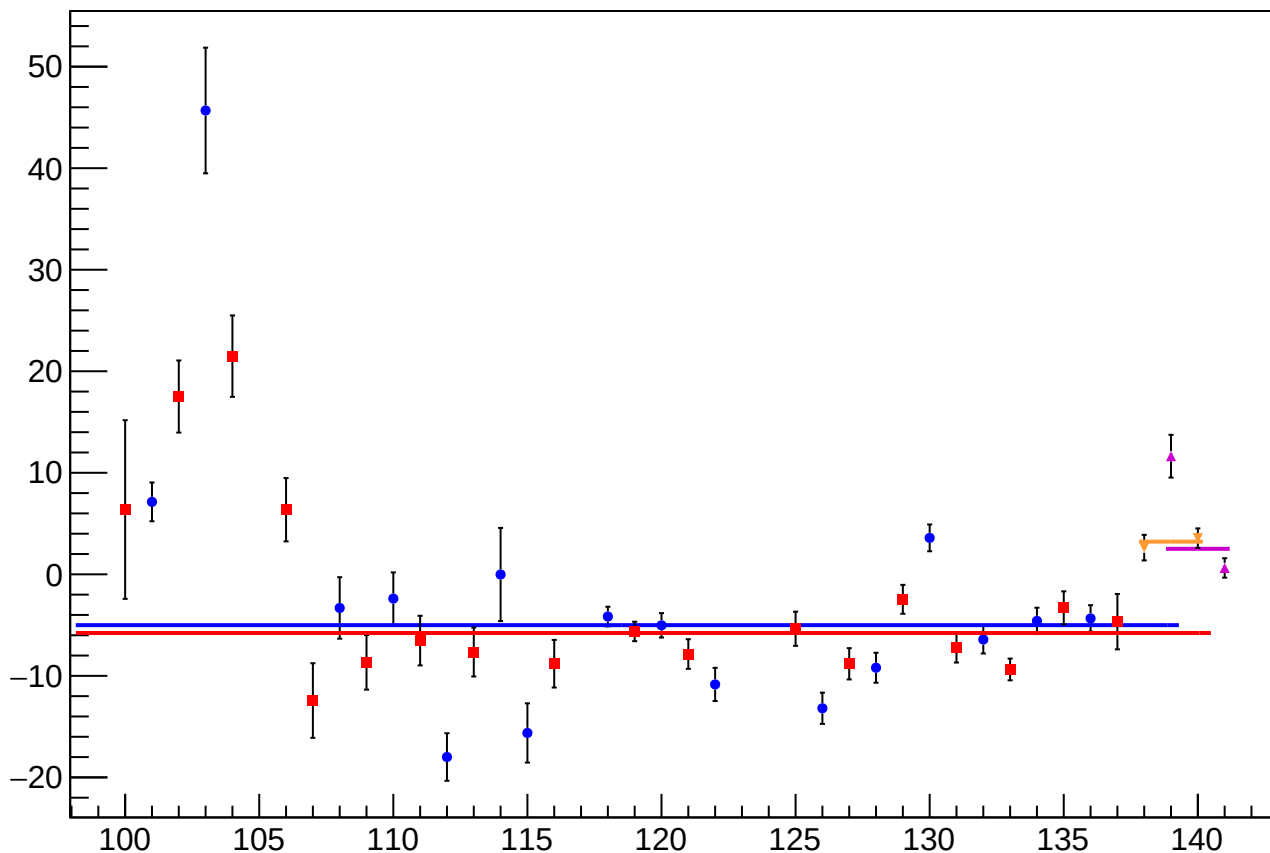
Left In: -20.385 ± 0.868 $\chi^2/\text{NDF}: 0.9/1$

+ sign -19.347 ± 0.363 $\chi^2/\text{NDF}: 1315.4/17$

All: -17.228 ± 0.259 $\chi^2/\text{NDF}: 2765.4/37$

- sign -15.027 ± 0.370 $\chi^2/\text{NDF}: 1380.6/19$

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006 ± 0.401 χ^2/NDF : 247.8/15

Left Out: 3.220 ± 0.763 χ^2/NDF : 0.3/1

Right Out: -5.779 ± 0.419 χ^2/NDF : 139.3/17

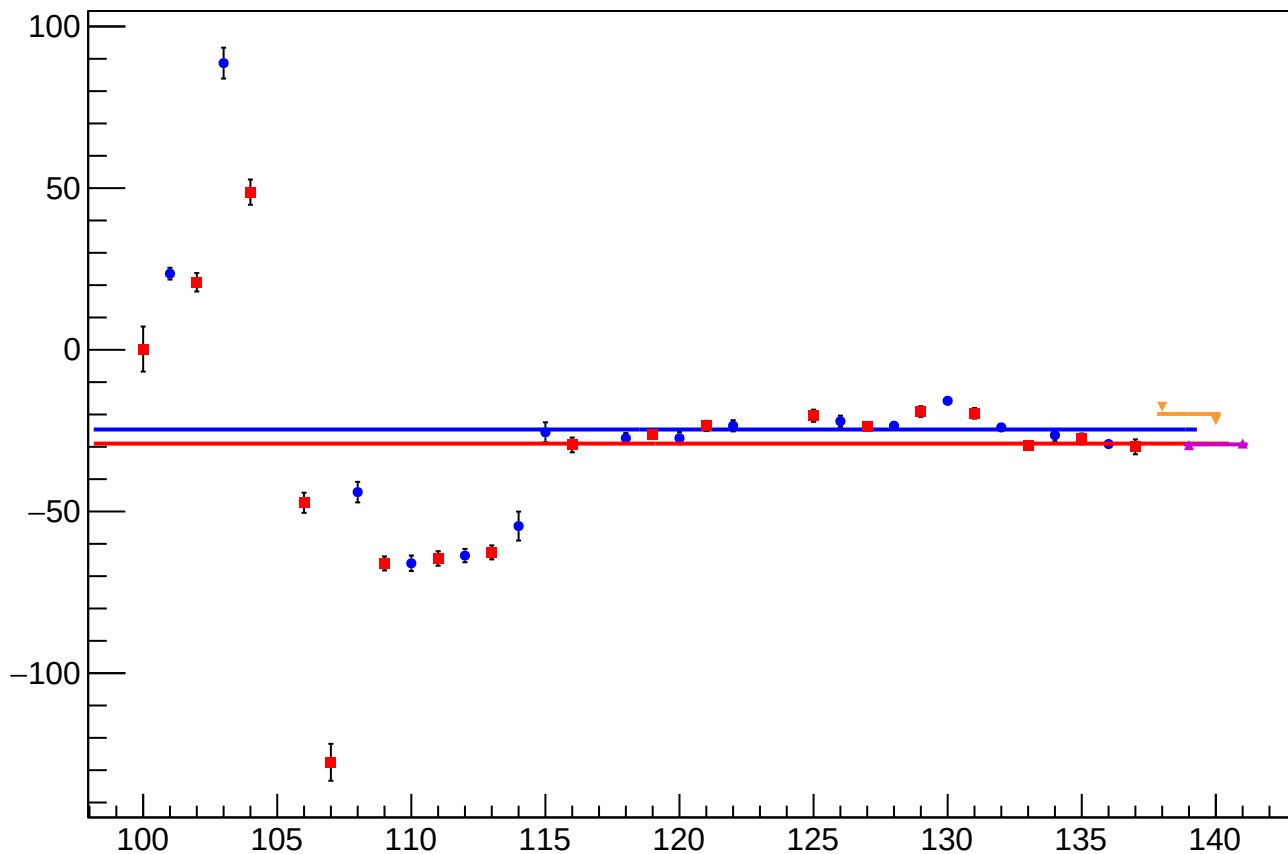
Left In: 2.512 ± 0.871 χ^2/NDF : 22.6/1

+ sign -3.225 ± 0.355 χ^2/NDF : 339.1/17

All: -3.691 ± 0.259 χ^2/NDF : 578.3/37

- sign -4.218 ± 0.378 χ^2/NDF : 235.6/19

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641 ± 0.455 $\chi^2/\text{NDF}: 2051.8/15$

Left Out: -19.837 ± 0.859 $\chi^2/\text{NDF}: 5.8/1$

Right Out: -29.002 ± 0.475 $\chi^2/\text{NDF}: 1952.3/17$

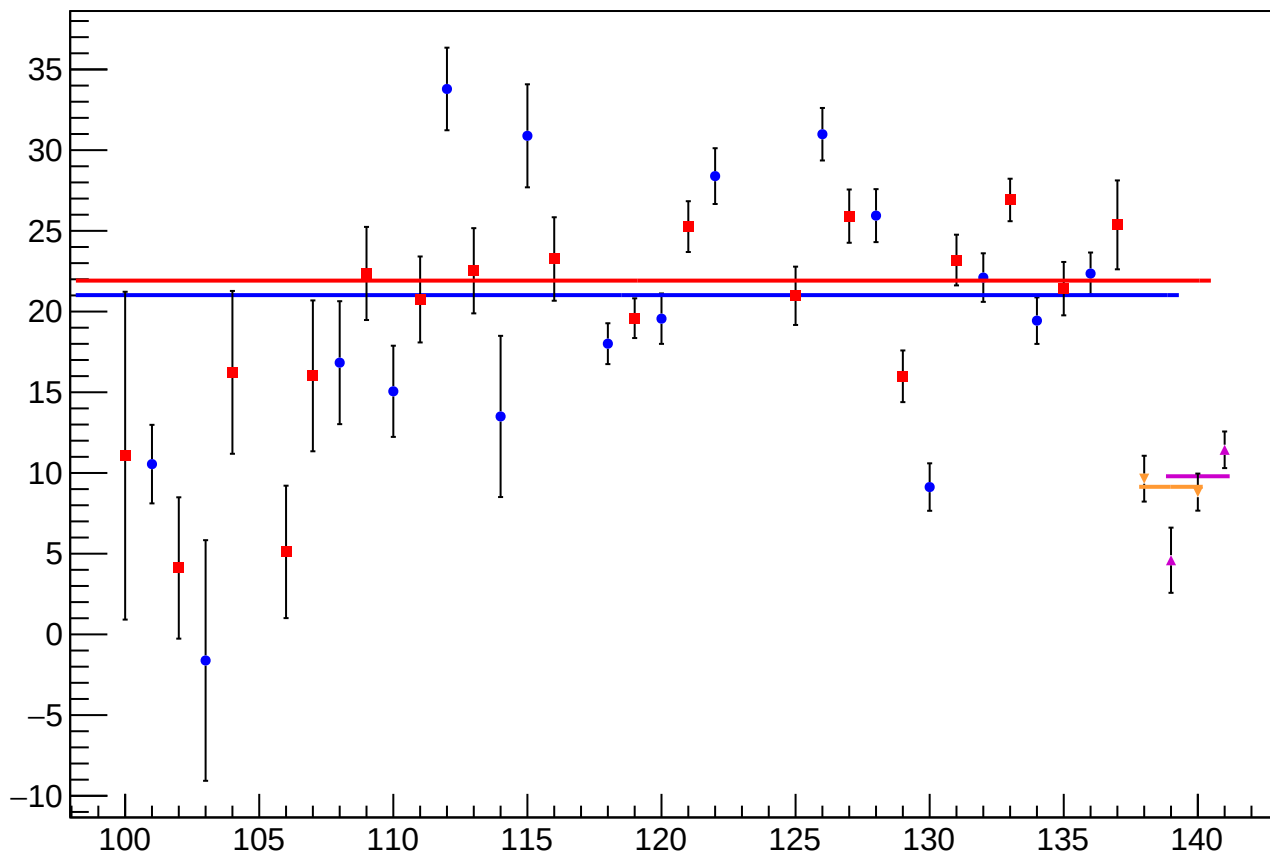
Left In: -29.242 ± 0.898 $\chi^2/\text{NDF}: 0.1/1$

+ sign -23.589 ± 0.402 $\chi^2/\text{NDF}: 2082.1/17$

All: -26.202 ± 0.290 $\chi^2/\text{NDF}: 4122.9/37$

- sign -29.054 ± 0.420 $\chi^2/\text{NDF}: 1952.4/19$

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

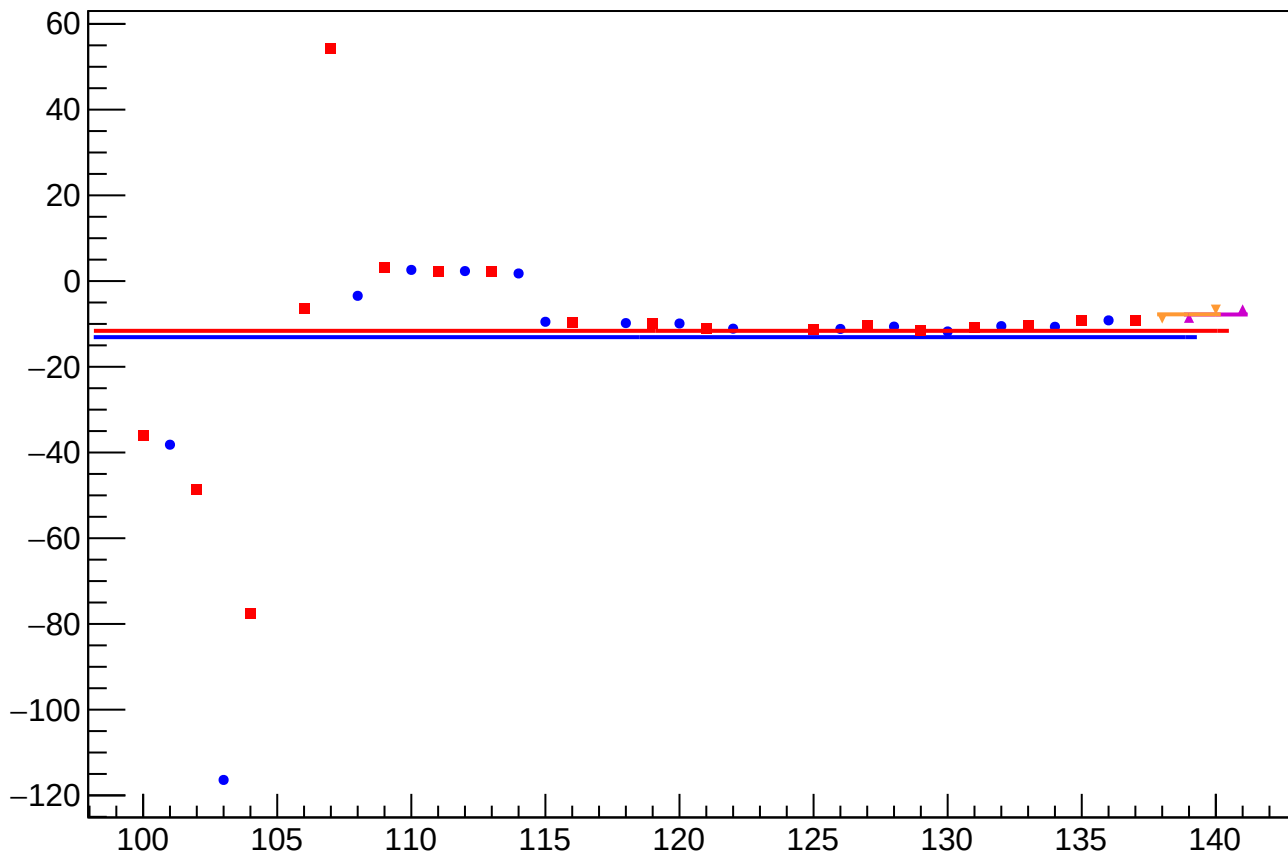
Left In: 9.796 $\pm$ 0.989 χ^2 /NDF: 8.7/1

+ sign 18.544 $\pm$ 0.408 χ^2 /NDF: 349.9/17

All: 19.052 $\pm$ 0.296 χ^2 /NDF: 566.2/37

- sign 19.619 $\pm$ 0.431 χ^2 /NDF: 213.0/19

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086 ± 0.028 χ^2/NDF : 344941.2/15

Left Out: -7.761 ± 0.036 χ^2/NDF : 830.3/1

Right Out: -11.610 ± 0.031 χ^2/NDF : 314183.9/17

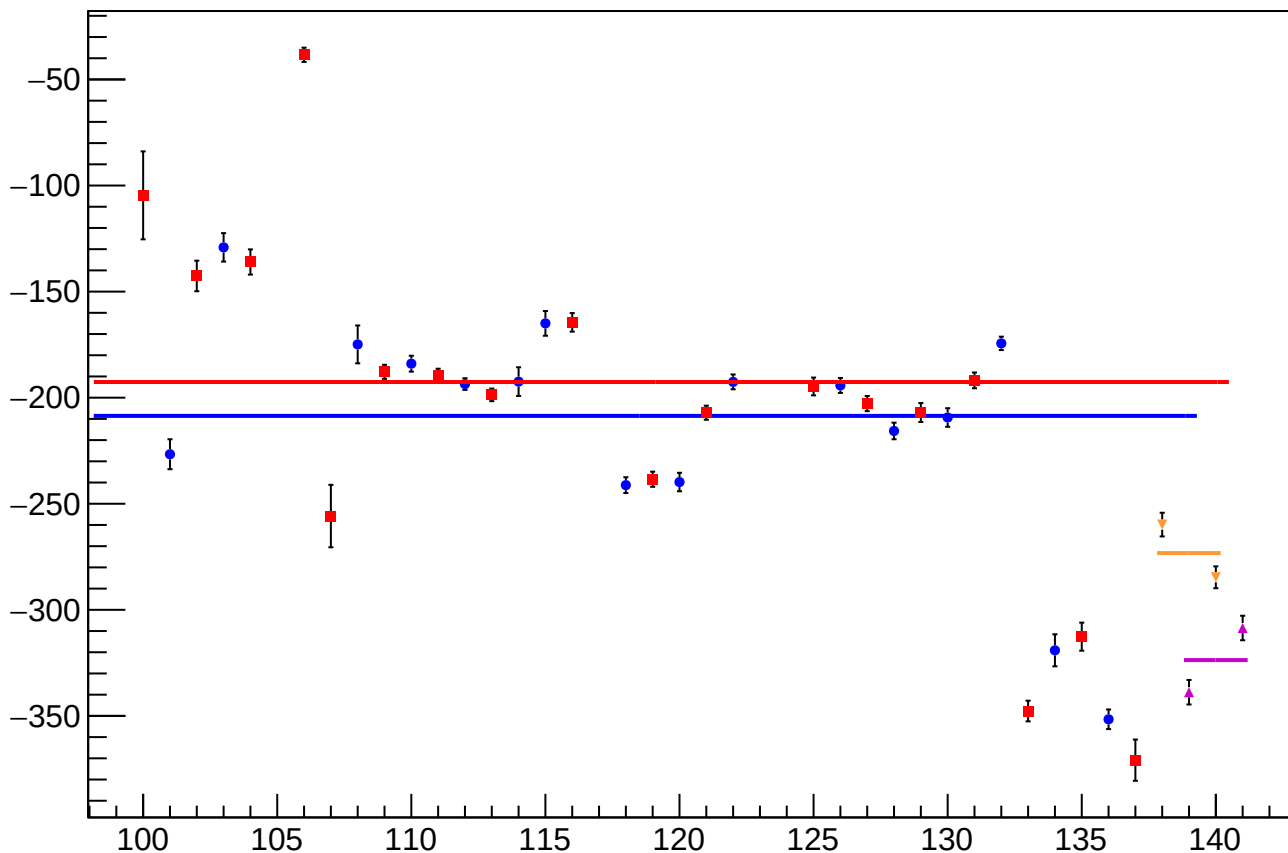
Left In: -7.799 ± 0.034 χ^2/NDF : 801.5/1

+ sign -11.035 ± 0.022 χ^2/NDF : 359301.2/17

All: -10.473 ± 0.016 χ^2/NDF : 682488.4/37

- sign -9.883 ± 0.023 χ^2/NDF : 321882.8/19

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586 ± 1.067 χ^2/NDF : 1751.1/15

Left Out: -273.242 ± 3.785 χ^2/NDF : 10.7/1

Right Out: -192.617 ± 0.999 χ^2/NDF : 4207.1/17

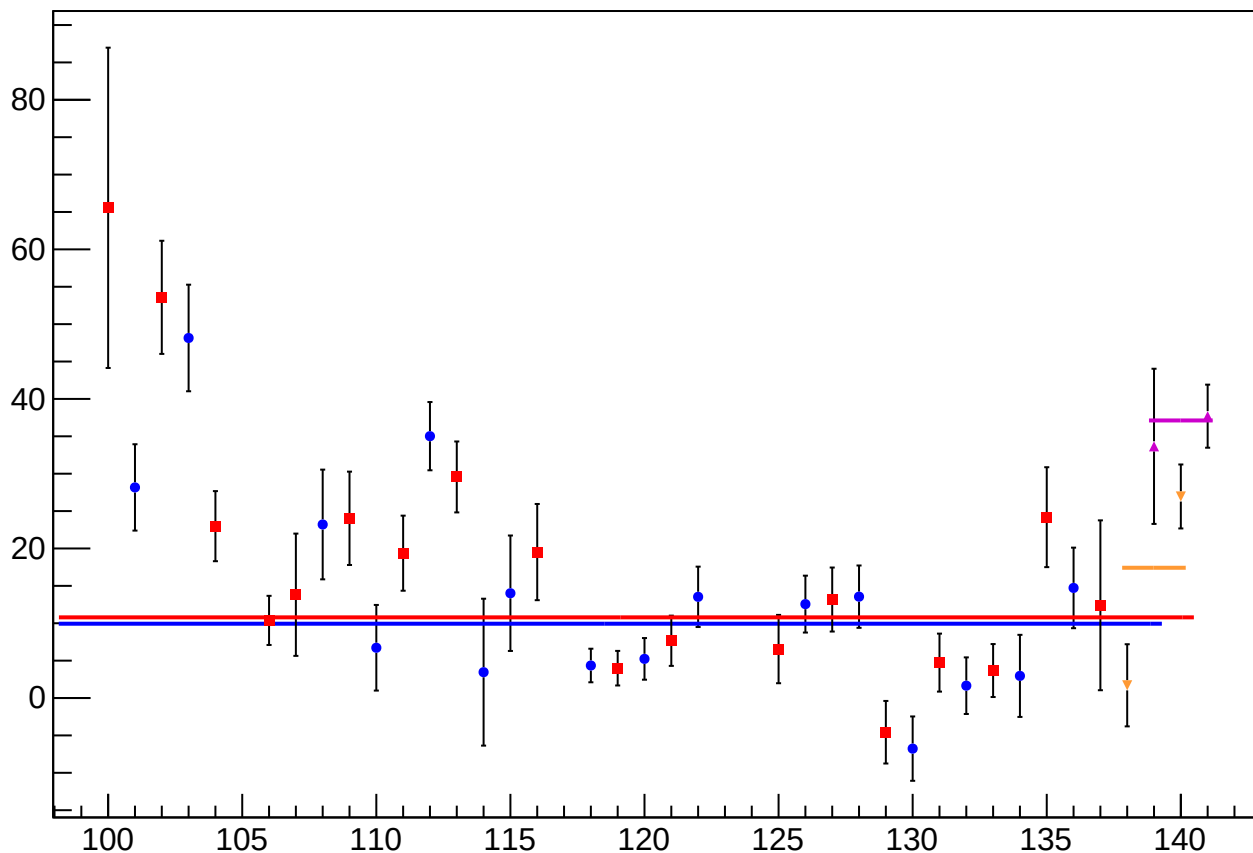
Left In: -323.694 ± 4.084 χ^2/NDF : 13.7/1

+ sign -213.342 ± 1.027 χ^2/NDF : 2032.2/17

All: -206.303 ± 0.705 χ^2/NDF : 7313.9/37

- sign -200.015 ± 0.970 χ^2/NDF : 5192.7/19

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938 ± 1.065 χ^2/NDF : 106.6/15

Left Out: 17.420 ± 3.375 χ^2/NDF : 13.2/1

Right Out: 10.788 ± 1.044 χ^2/NDF : 105.1/17

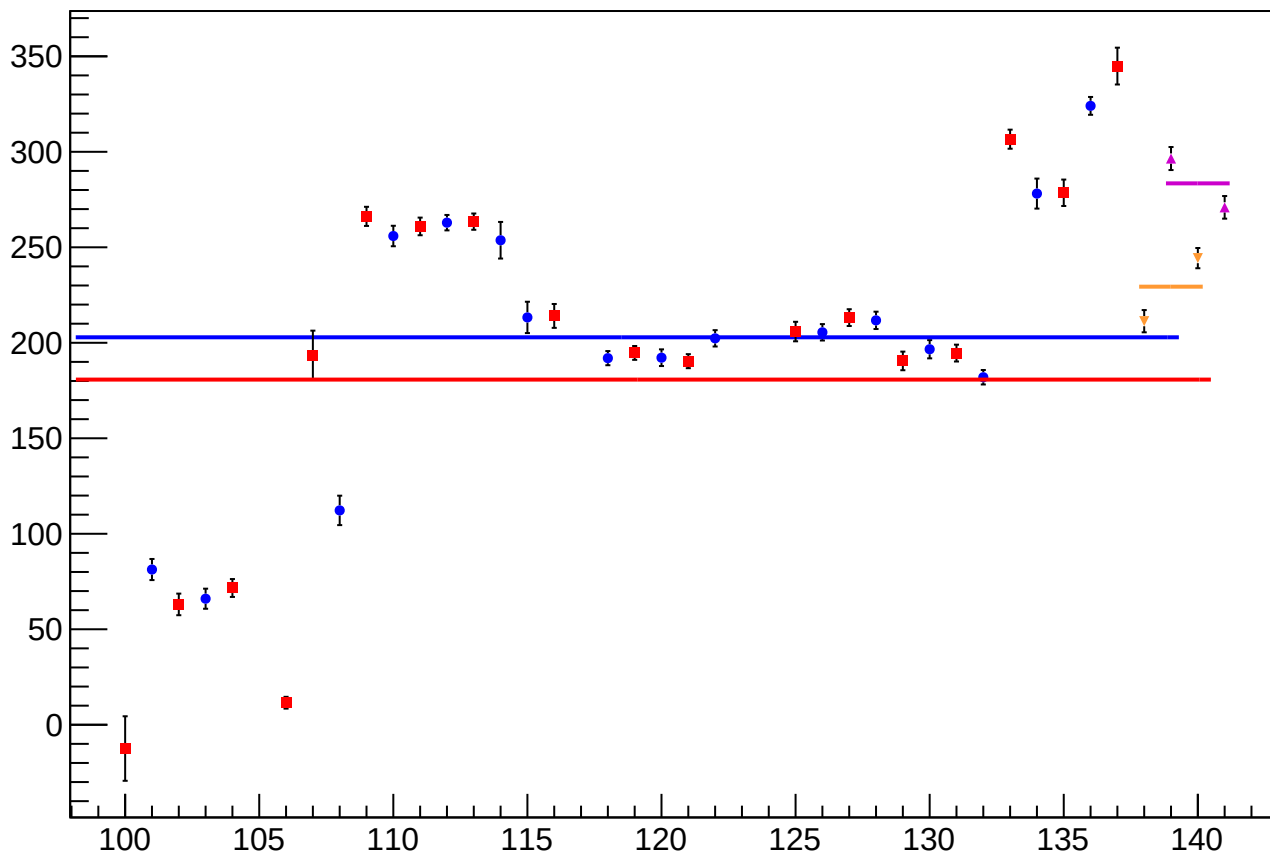
Left In: 37.120 ± 3.907 χ^2/NDF : 0.1/1

+ sign 10.616 ± 1.016 χ^2/NDF : 124.2/17

All: 11.586 ± 0.716 χ^2/NDF : 273.6/37

- sign 12.542 ± 1.008 χ^2/NDF : 147.6/19

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874 $\pm$ 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

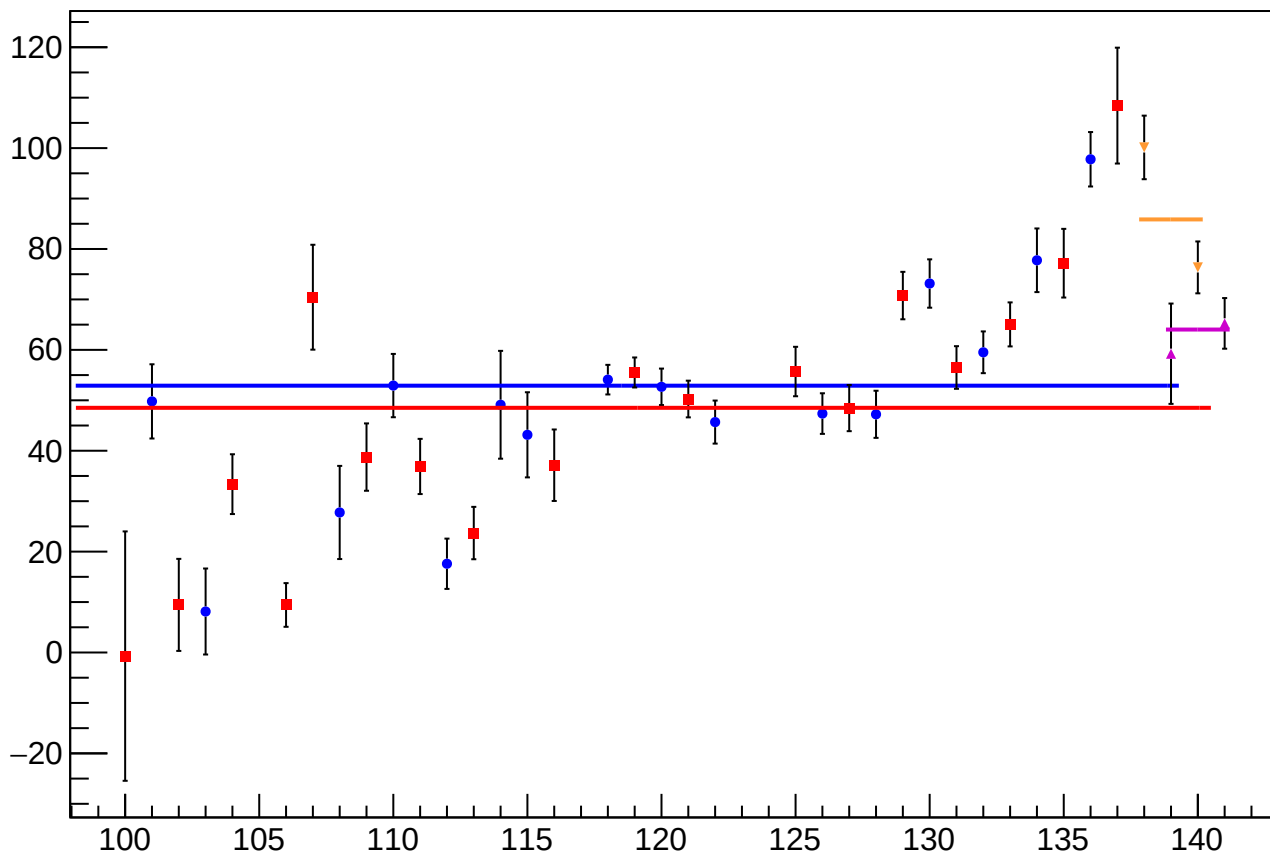
Left In: 283.473 $\pm$ 4.224 χ^2 /NDF:9.1/1

+ sign 205.237 $\pm$ 1.170 χ^2 /NDF: 2523.5/17

All: 195.987 $\pm$ 0.803 χ^2 /NDF: 9550.0/37

- sign 187.748 $\pm$ 1.104 χ^2 /NDF: 6908.3/19

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899 $\pm$ 1.242 χ^2 /NDF: 198.3/15

Left Out: 85.860 $\pm$ 3.985 χ^2 /NDF: 8.6/1

Right Out: 48.510 $\pm$ 1.214 χ^2 /NDF: 240.0/17

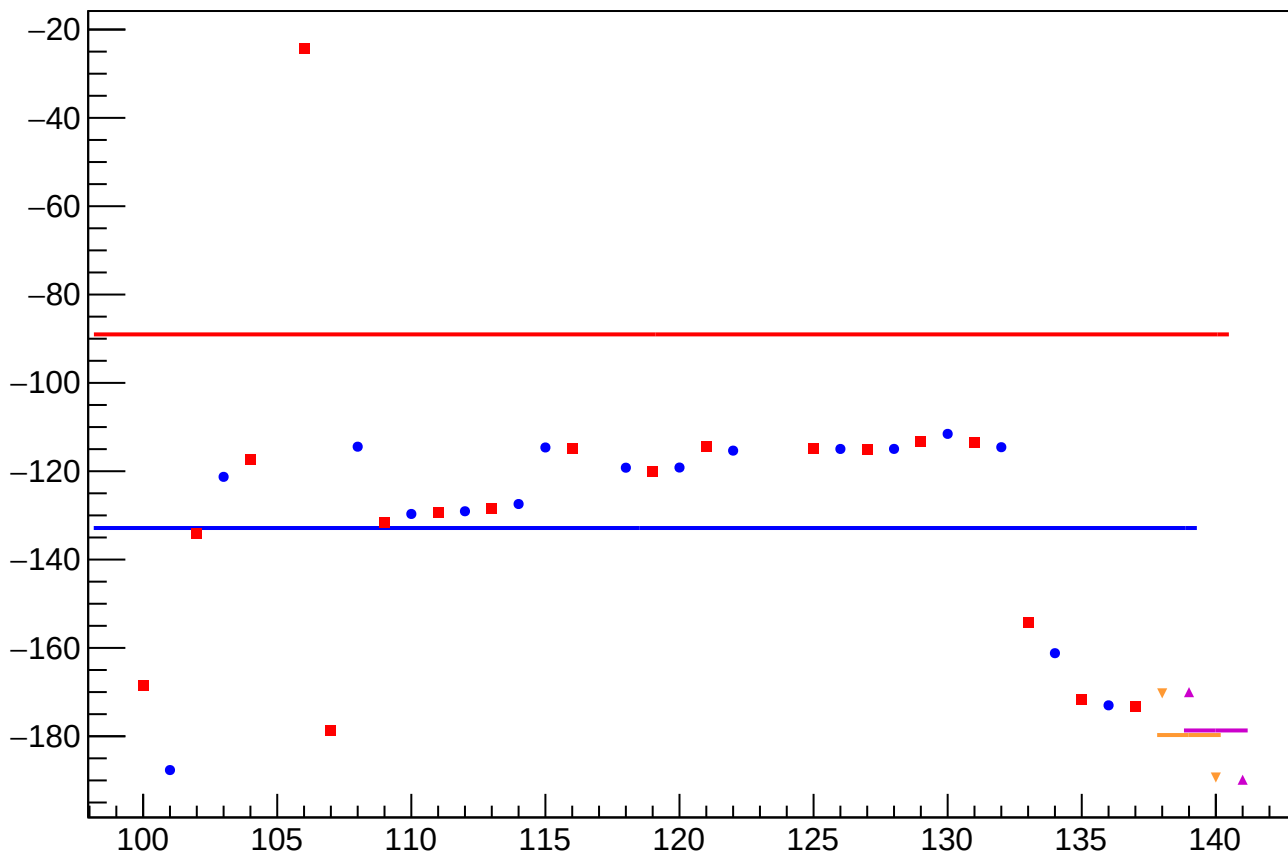
Left In: 64.028 $\pm$ 4.482 χ^2 /NDF: 0.3/1

+ sign 55.816 $\pm$ 1.185 χ^2 /NDF: 269.2/17

All: 52.658 $\pm$ 0.833 χ^2 /NDF: 534.7/37

- sign 49.571 $\pm$ 1.172 χ^2 /NDF: 251.5/19

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856 ± 0.081 χ^2/NDF : 93497.9/15

Left Out: -179.725 ± 0.166 χ^2/NDF : 3280.6/1

Right Out: -89.020 ± 0.064 χ^2/NDF : 728110.1/17

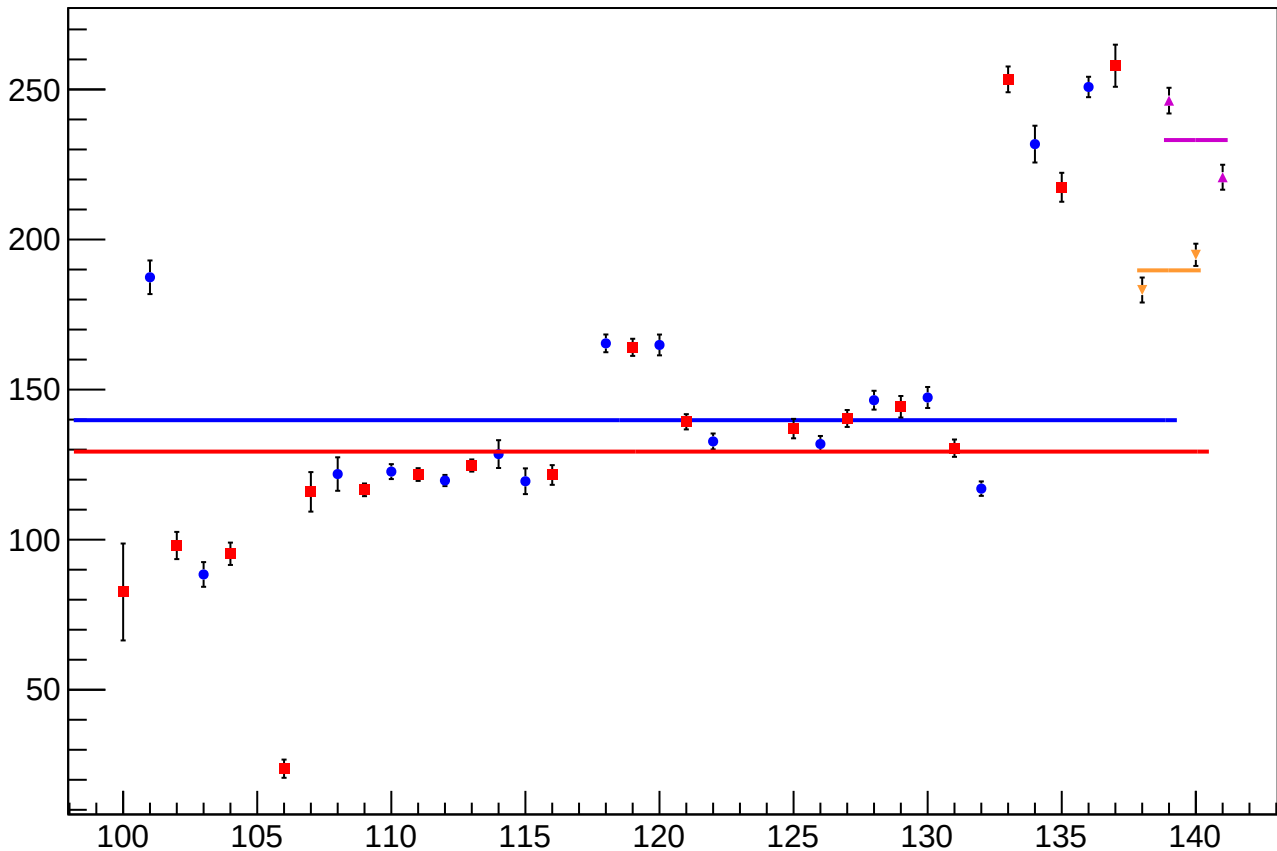
Left In: -178.688 ± 0.161 χ^2/NDF : 3741.9/1

+ sign -141.905 ± 0.073 χ^2/NDF : 160859.6/17

All: -117.542 ± 0.046 χ^2/NDF : 1346048.9/37

- sign -101.340 ± 0.060 χ^2/NDF : 1000143.2/19

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810 $\pm$ 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

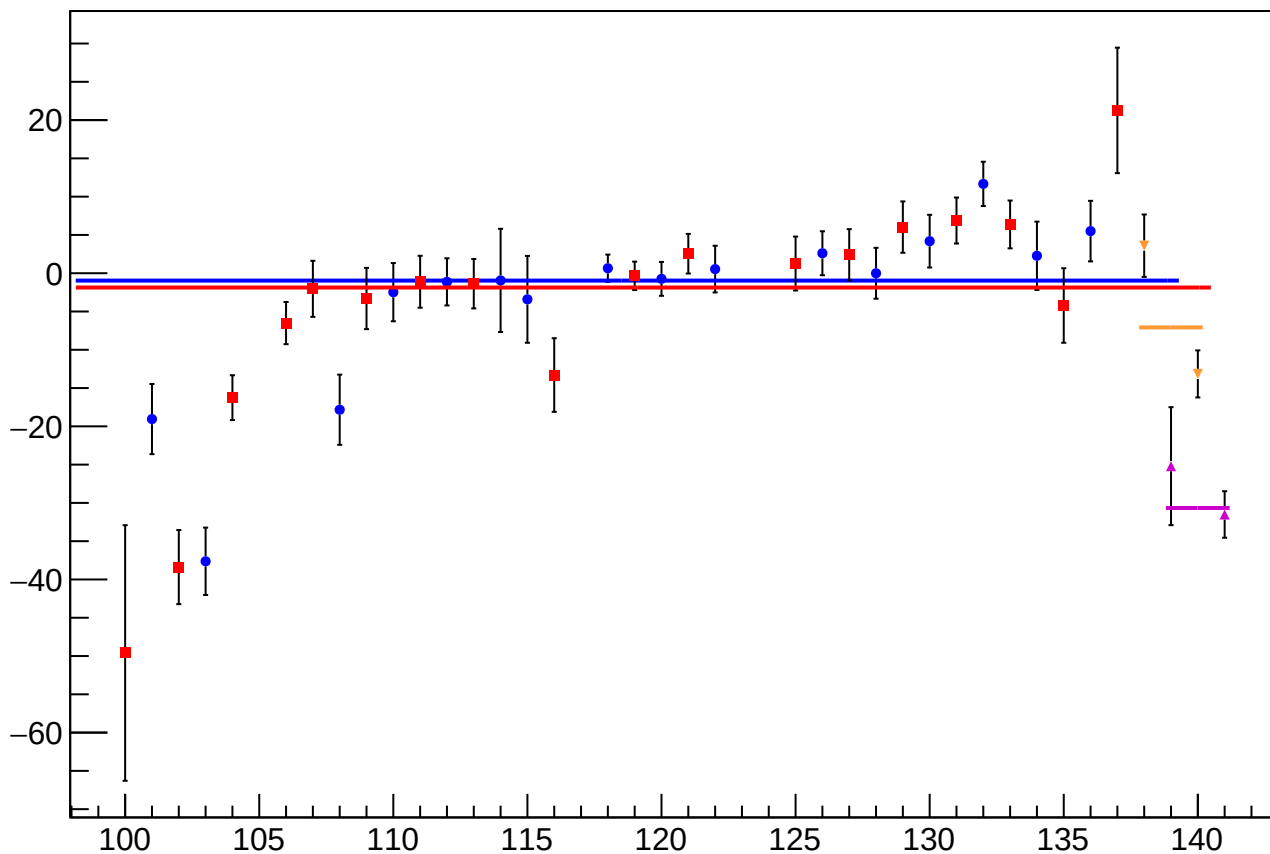
Left In: 233.141 $\pm$ 2.983 χ^2/NDF : 18.3/1

+ sign 143.529 $\pm$ 0.755 χ^2/NDF : 2270.9/17

All: 139.167 $\pm$ 0.518 χ^2/NDF : 6617.8/37

- sign 135.275 $\pm$ 0.713 χ^2/NDF : 4283.6/19

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963 ± 0.808 χ^2/NDF : 126.1/15

Left Out: -7.079 ± 2.454 χ^2/NDF : 10.8/1

Right Out: -1.869 ± 0.784 χ^2/NDF : 133.2/17

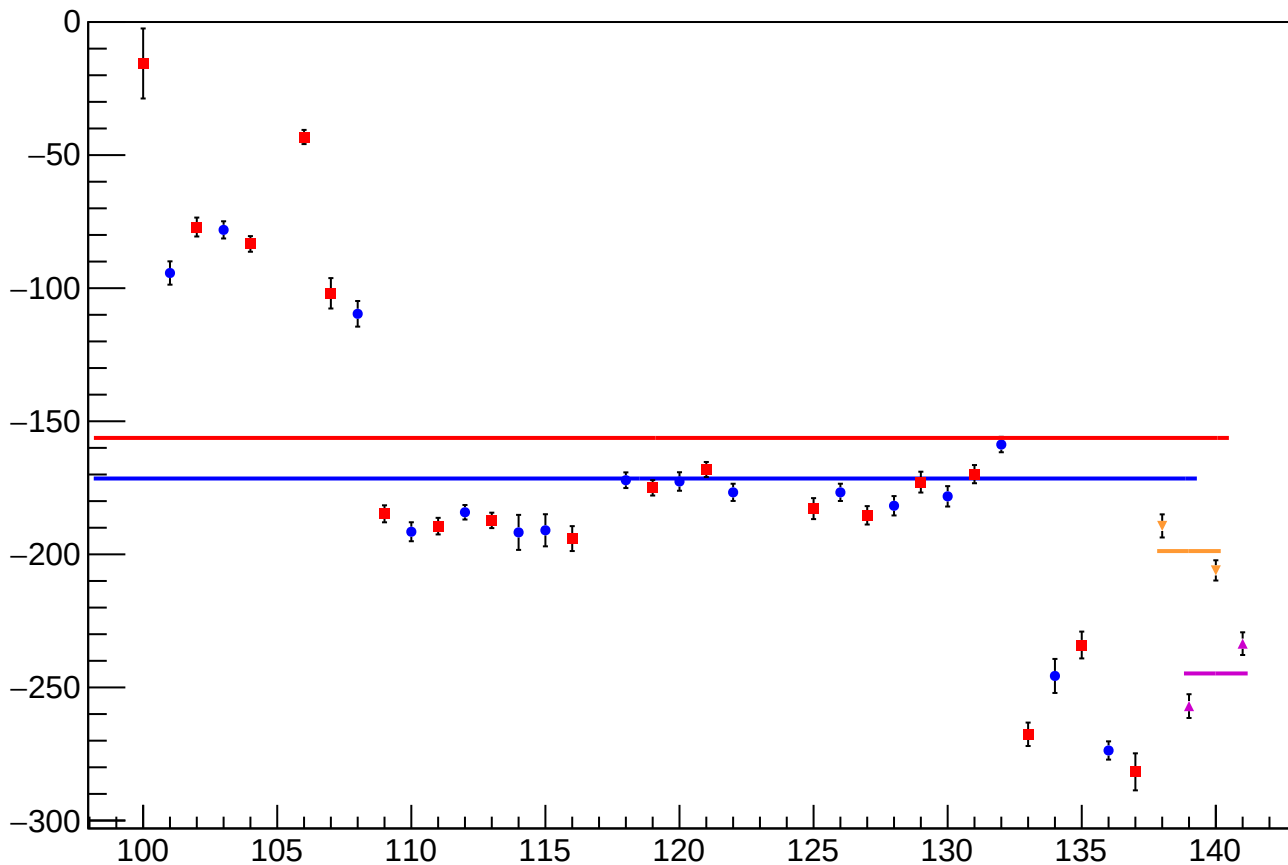
Left In: -30.663 ± 2.826 χ^2/NDF : 0.6/1

+ sign -1.561 ± 0.768 χ^2/NDF : 142.4/17

All: -2.762 ± 0.538 χ^2/NDF : 377.4/37

- sign -3.924 ± 0.755 χ^2/NDF : 230.1/19

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506 ± 0.907 χ^2/NDF : 2442.8/15

Left Out: -198.769 ± 2.861 χ^2/NDF : 8.4/1

Right Out: -156.260 ± 0.847 χ^2/NDF : 4904.3/17

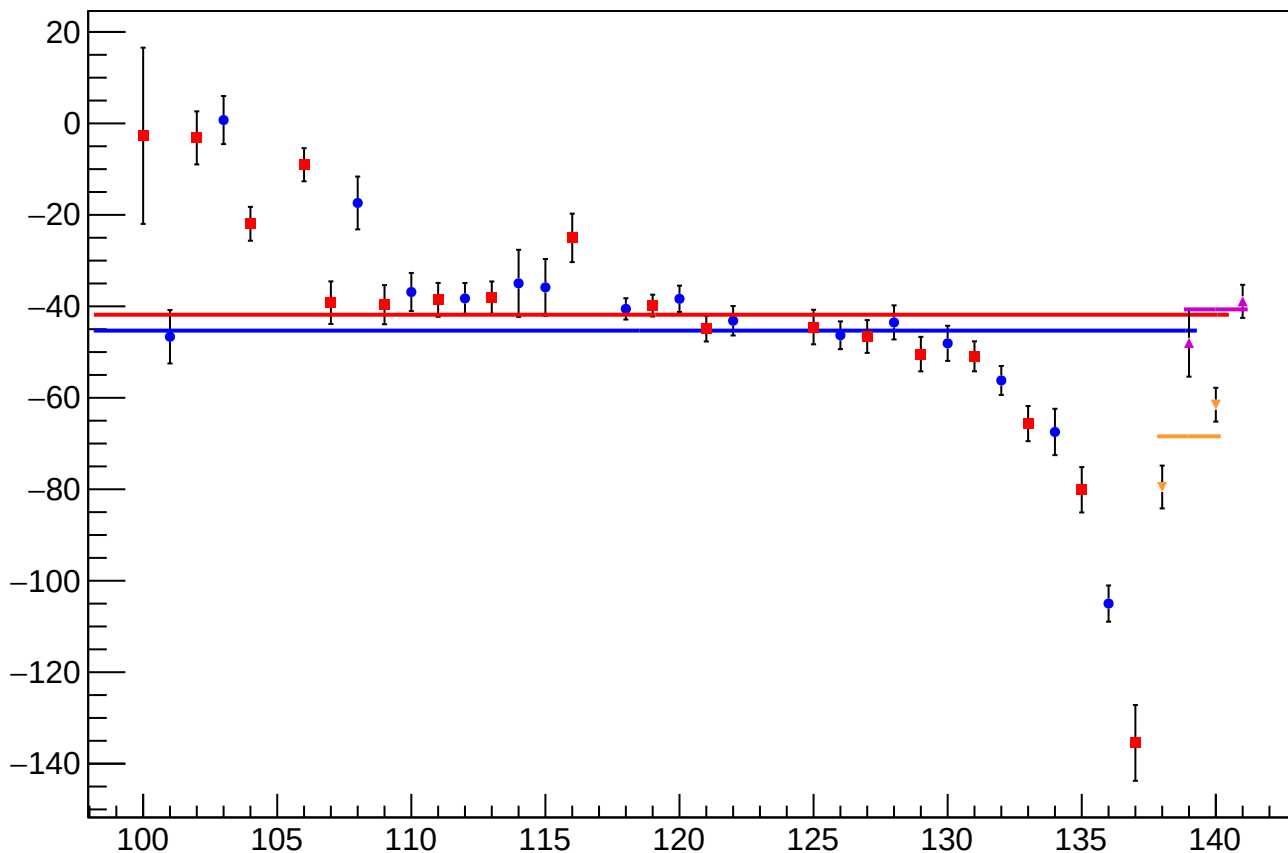
Left In: -244.748 ± 3.083 χ^2/NDF : 14.4/1

+ sign -173.995 ± 0.864 χ^2/NDF : 2533.7/17

All: -167.909 ± 0.594 χ^2/NDF : 8312.0/37

- sign -162.473 ± 0.817 χ^2/NDF : 5684.6/19

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304 ± 0.938 χ^2/NDF : 382.0/15

Left Out: -68.420 ± 2.901 χ^2/NDF : 9.1/1

Right Out: -41.832 ± 0.909 χ^2/NDF : 414.2/17

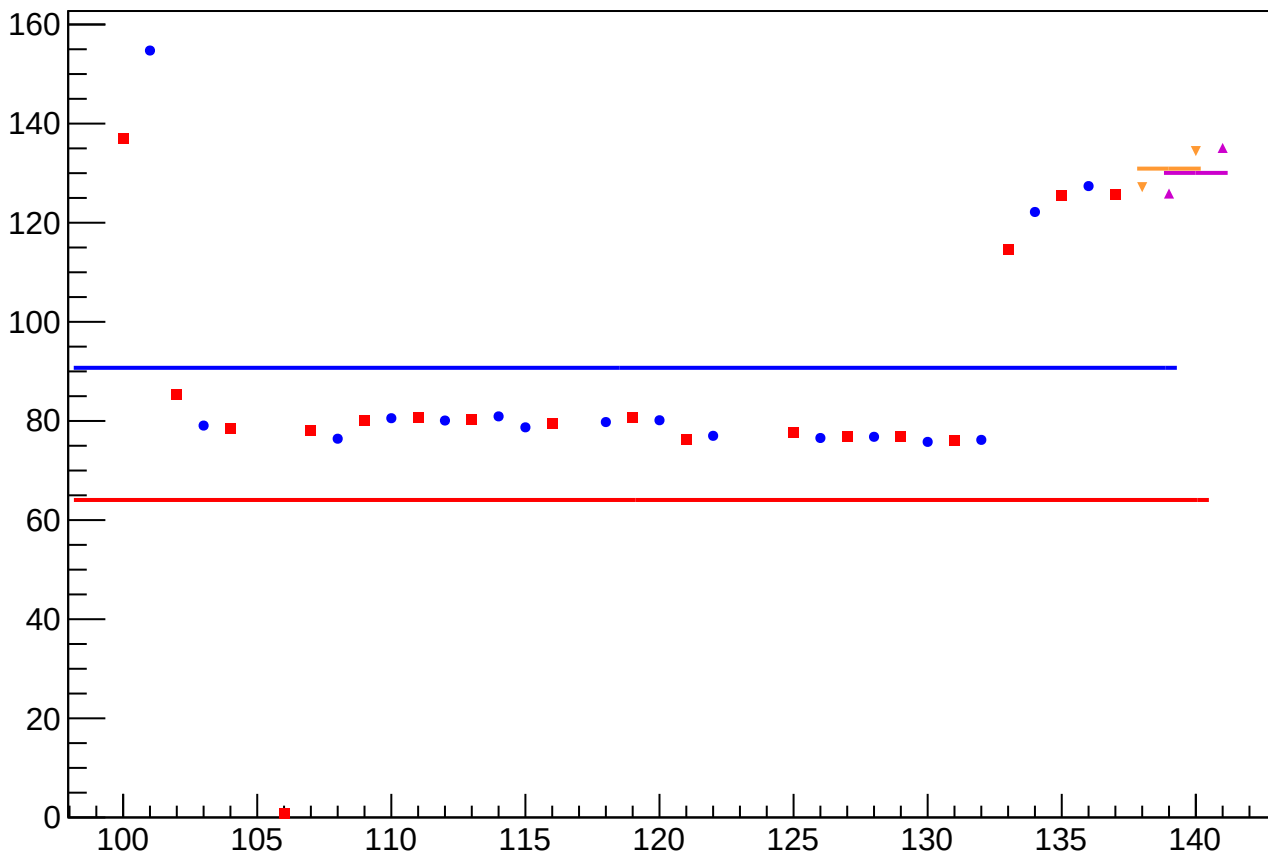
Left In: -40.664 ± 3.248 χ^2/NDF : 1.2/1

+ sign -47.491 ± 0.892 χ^2/NDF : 448.6/17

All: -44.565 ± 0.625 χ^2/NDF : 885.3/37

- sign -41.747 ± 0.876 χ^2/NDF : 415.6/19

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF : 161153.0/15

Left Out: 130.919+/-0.122 χ^2/NDF : 893.2/1

Right Out: 64.059+/-0.049 χ^2/NDF : 660935.1/17

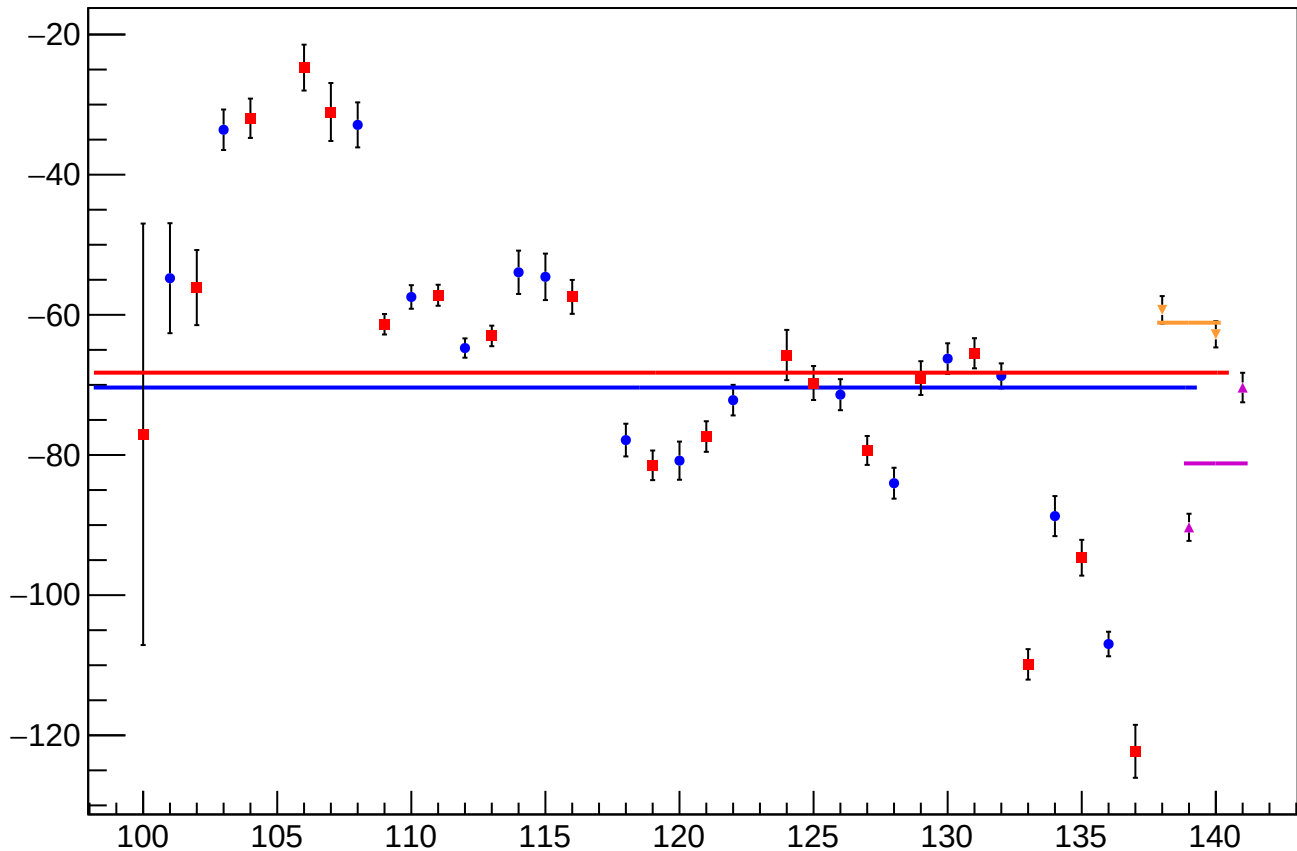
Left In: 130.055+/-0.118 χ^2/NDF : 1512.6/1

+ sign 98.260+/-0.053 χ^2/NDF : 250576.7/17

All: 84.291+/-0.034 χ^2/NDF : 1302684.3/37

- sign 73.899+/-0.045 χ^2/NDF : 929669.0/19

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374 ± 0.558 χ^2/NDF : 974.9/15

Left Out: -61.122 ± 1.356 χ^2/NDF : 1.6/1

Right Out: -68.252 ± 0.527 χ^2/NDF : 1306.0/18

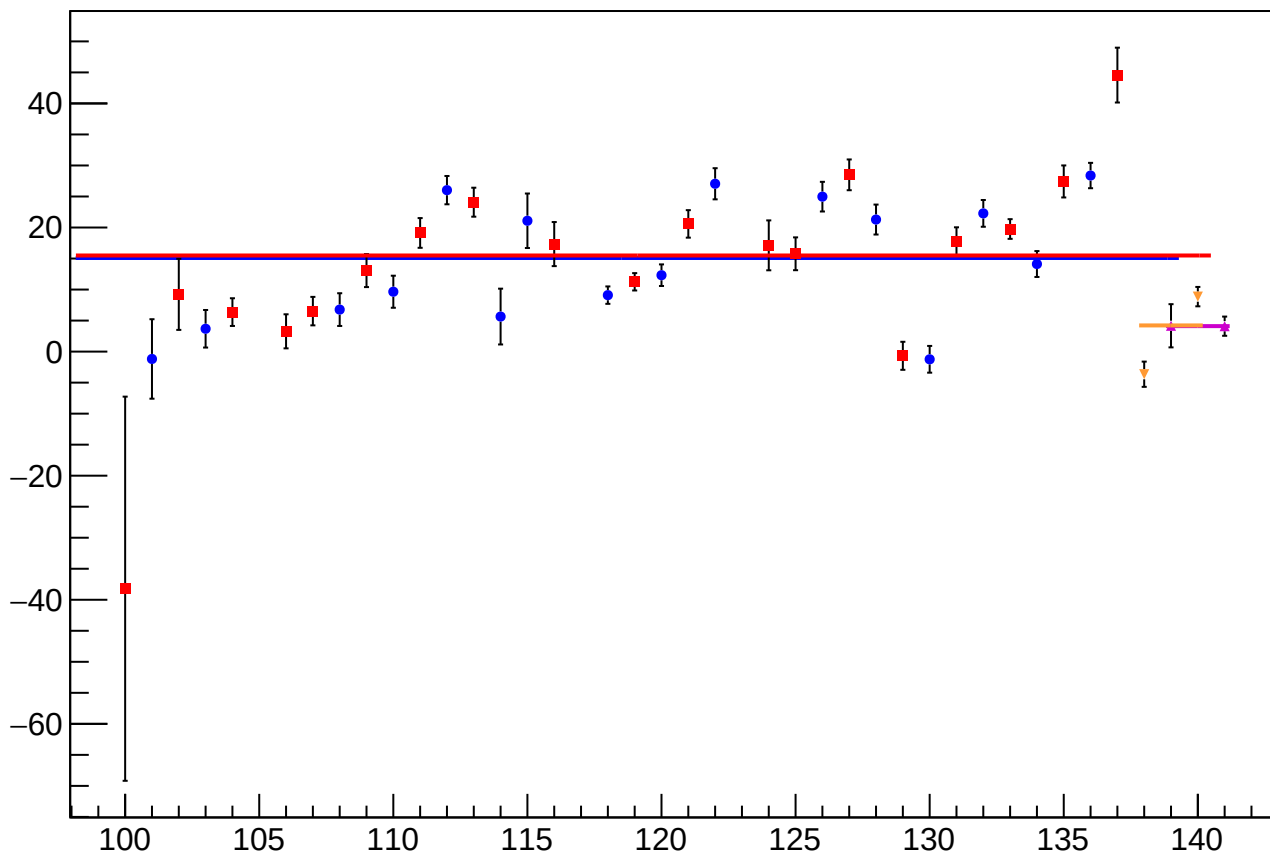
Left In: -81.202 ± 1.425 χ^2/NDF : 48.6/1

+ sign -69.035 ± 0.516 χ^2/NDF : 1016.4/17

All: -69.438 ± 0.357 χ^2/NDF : 2444.7/38

- sign -69.807 ± 0.494 χ^2/NDF : 1427.2/20

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

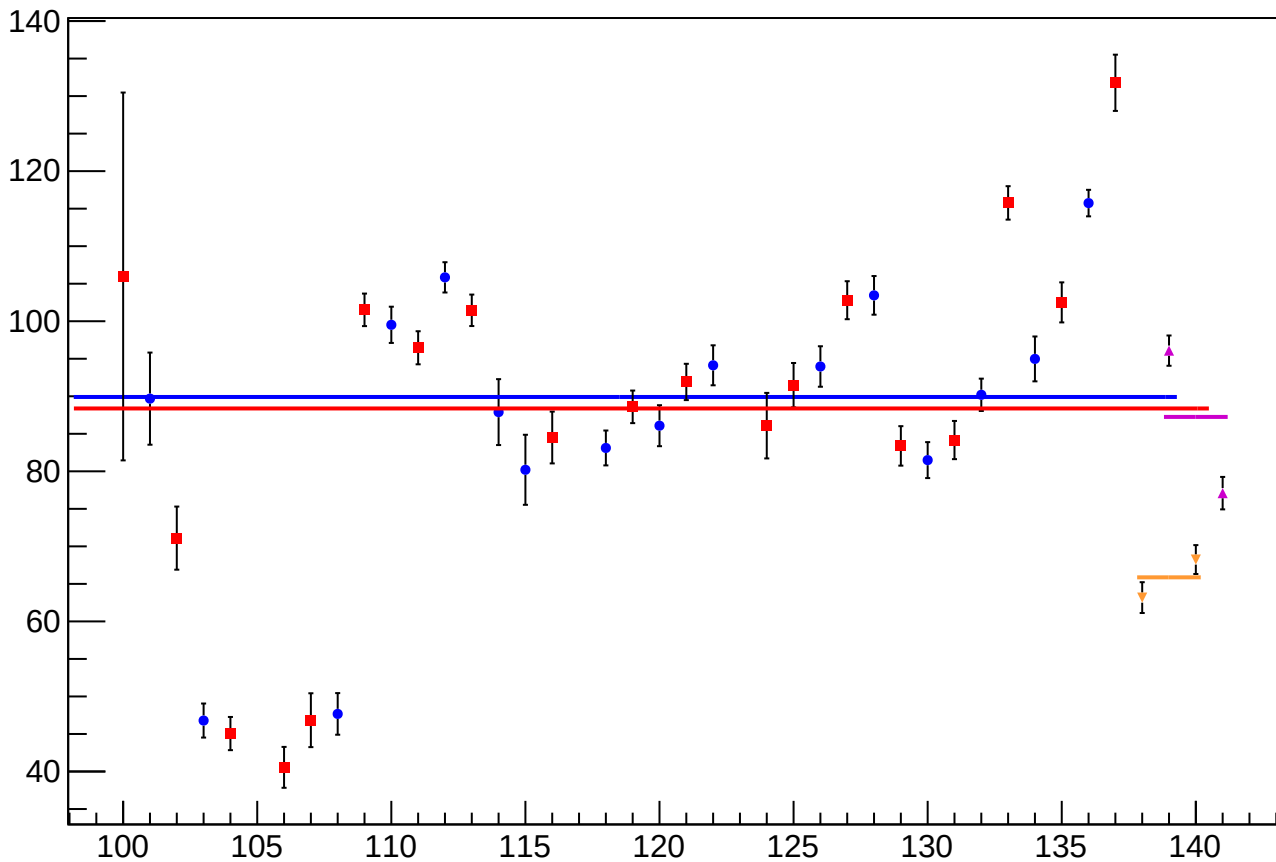
Left In: 4.107 $\pm$ 1.414 χ^2 /NDF: 0.0/1

+ sign 13.133 $\pm$ 0.526 χ^2 /NDF: 329.4/17

All: 13.550 $\pm$ 0.369 χ^2 /NDF: 626.0/38

- sign 13.957 $\pm$ 0.519 χ^2 /NDF: 295.3/20

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

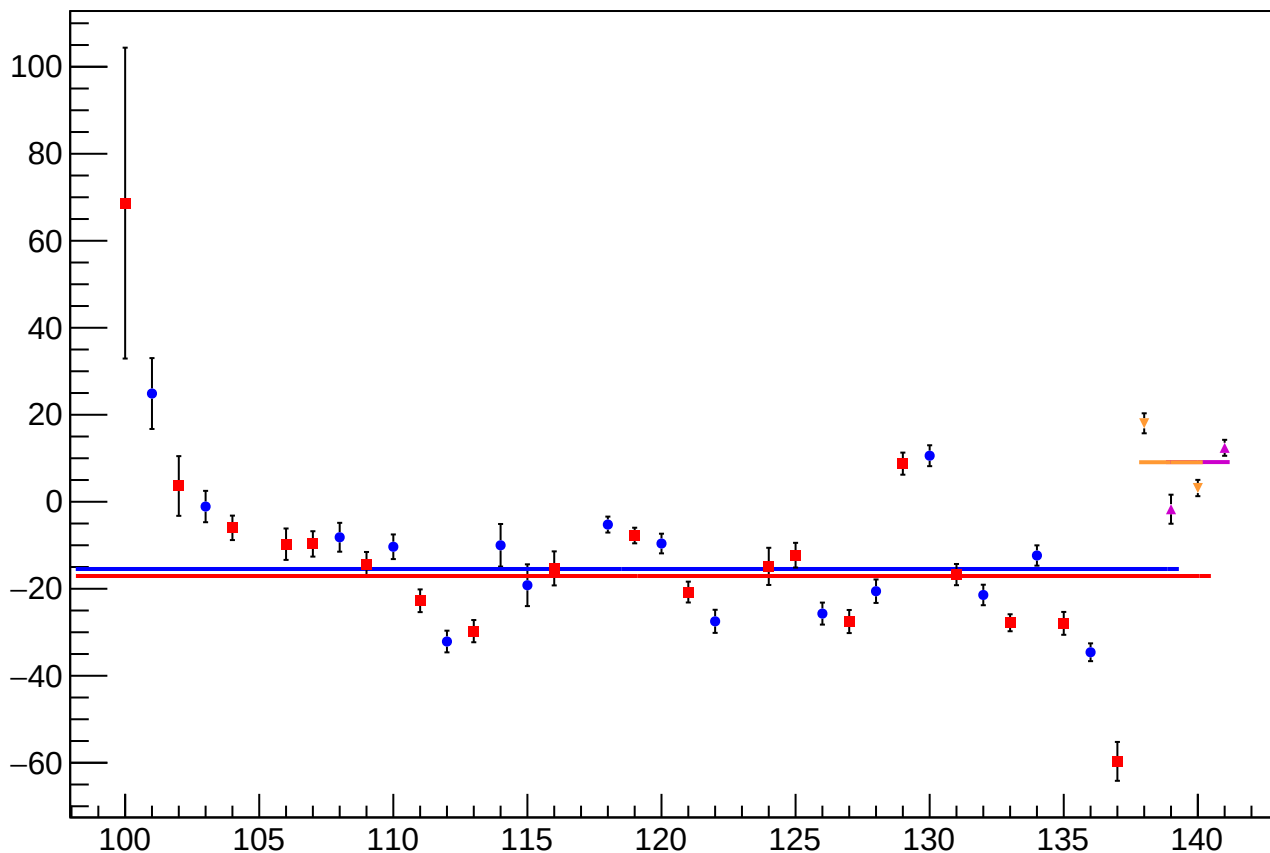
Left In: 87.249 $\pm$ 1.475 χ^2 /NDF:41.2/1

+ sign 85.765 $\pm$ 0.583 χ^2 /NDF: 1193.5/17

All: 87.014 $\pm$ 0.407 χ^2 /NDF: 2533.1/38

- sign 88.207 $\pm$ 0.570 χ^2 /NDF: 1330.6/20

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454 ± 0.665 χ^2/NDF : 386.5/15

Left Out: 9.087 ± 1.452 χ^2/NDF : 25.2/1

Right Out: -17.066 ± 0.644 χ^2/NDF : 361.0/18

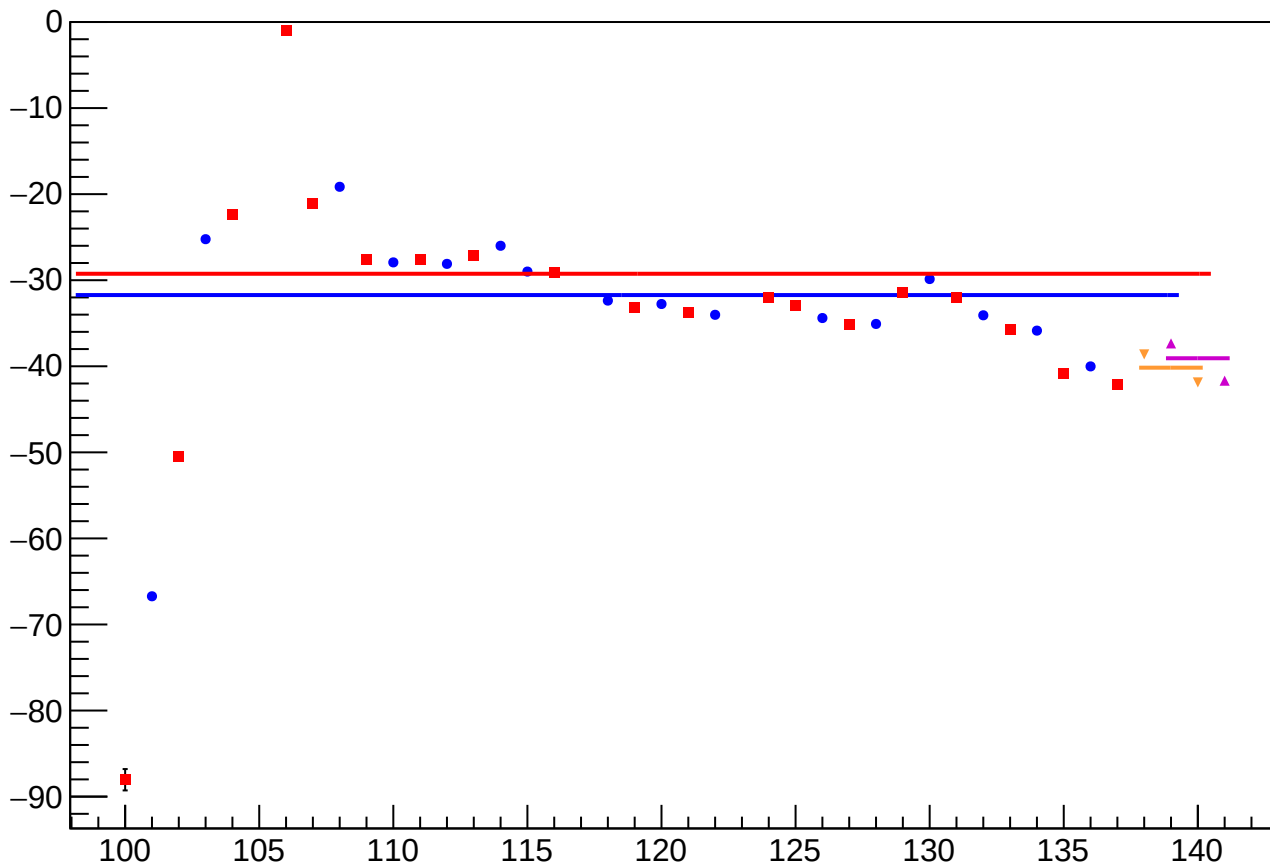
Left In: 9.122 ± 1.609 χ^2/NDF : 13.7/1

+ sign -11.195 ± 0.605 χ^2/NDF : 647.7/17

All: -12.338 ± 0.425 χ^2/NDF : 1257.8/38

- sign -13.455 ± 0.598 χ^2/NDF : 603.0/20

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

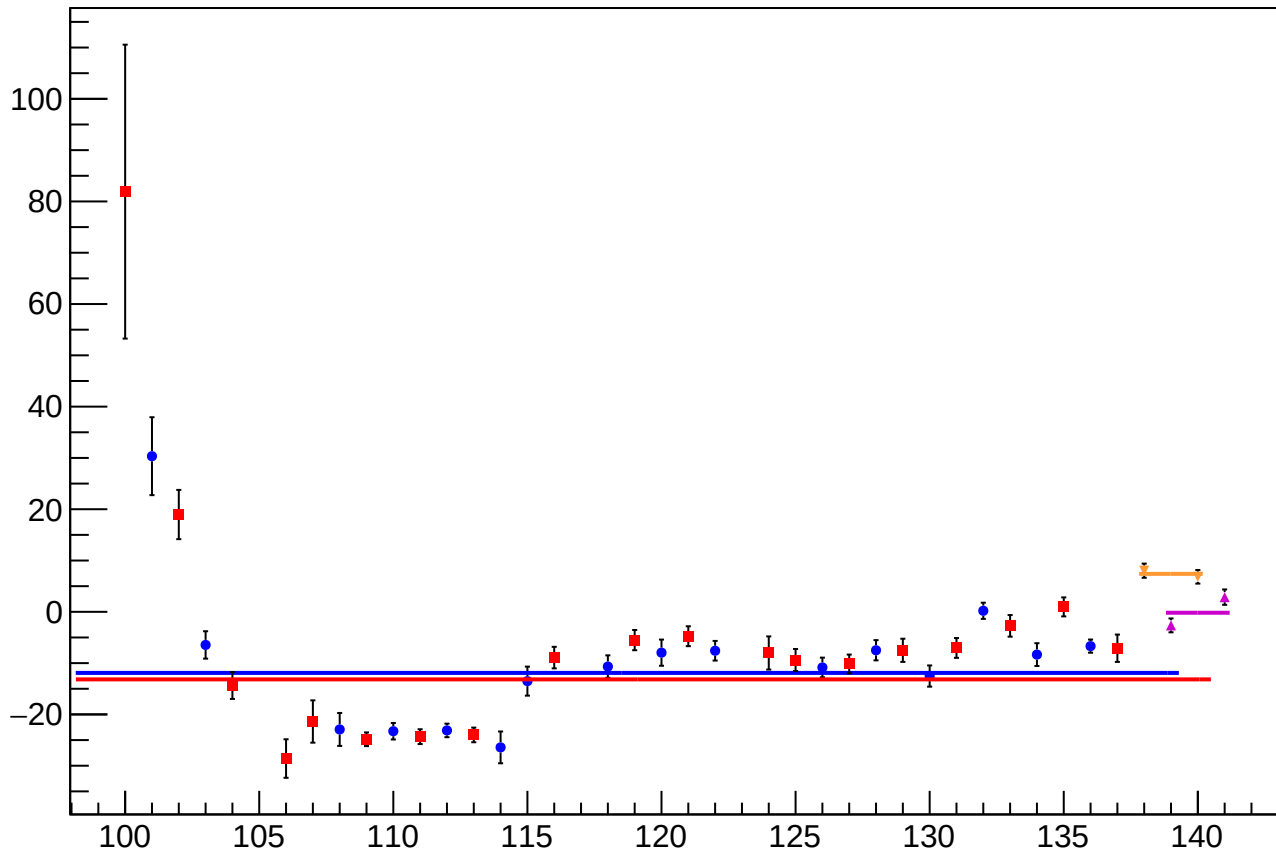
Left In: -39.067 ± 0.056 χ^2/NDF : 1447.0/1

+ sign -34.251 ± 0.032 χ^2/NDF : 54768.8/17

All: -33.314 ± 0.023 χ^2/NDF : 174132.8/38

- sign -32.412 ± 0.032 χ^2/NDF : 117705.1/20

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906 ± 0.497 χ^2/NDF : 282.1/15

Left Out: 7.397 ± 0.955 χ^2/NDF : 0.4/1

Right Out: -13.169 ± 0.480 χ^2/NDF : 421.5/18

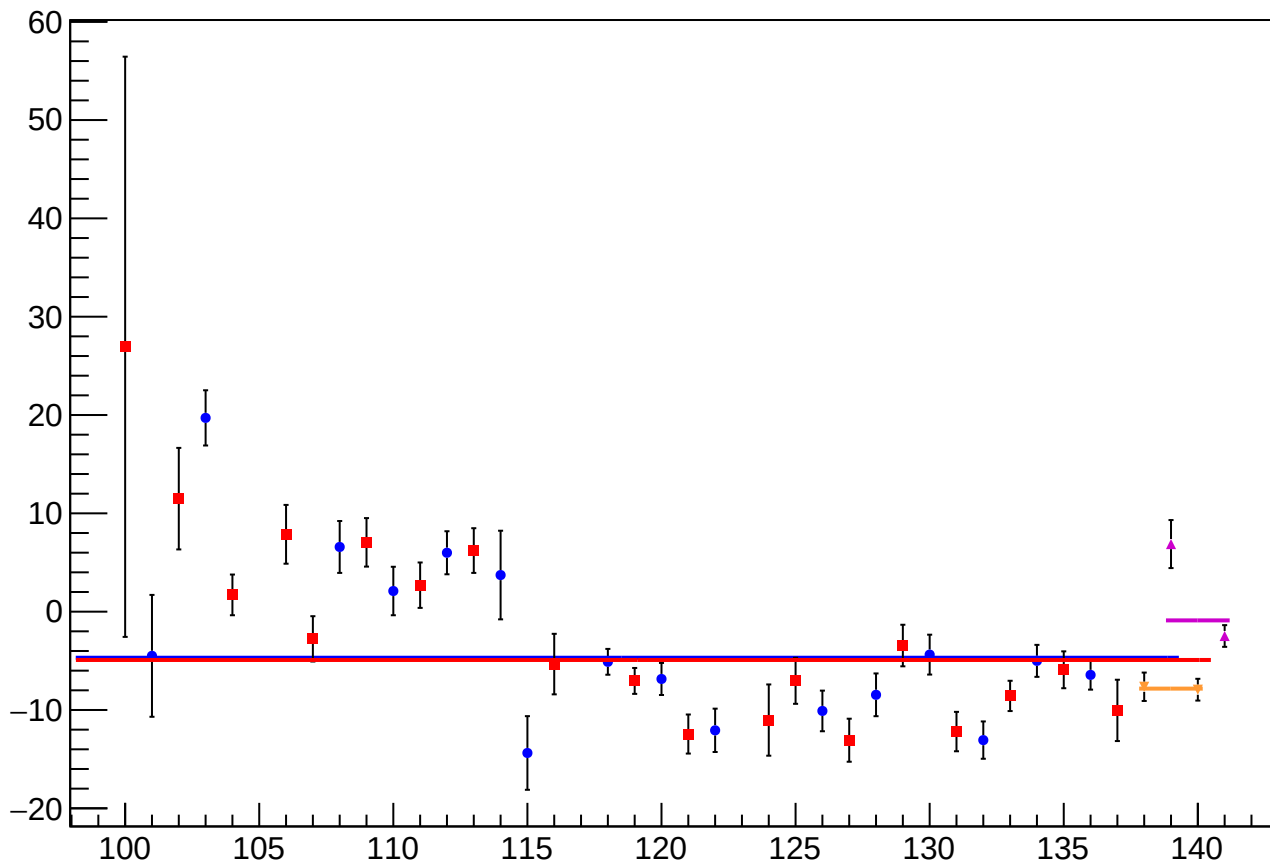
Left In: -0.180 ± 1.005 χ^2/NDF : 7.4/1

+ sign -7.797 ± 0.441 χ^2/NDF : 603.9/17

All: -9.301 ± 0.309 χ^2/NDF : 1191.8/38

- sign -10.755 ± 0.433 χ^2/NDF : 565.0/20

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686 ± 0.517 χ^2/NDF : 179.0/15

Left Out: -7.826 ± 0.879 χ^2/NDF : 0.0/1

Right Out: -4.913 ± 0.513 χ^2/NDF : 155.9/18

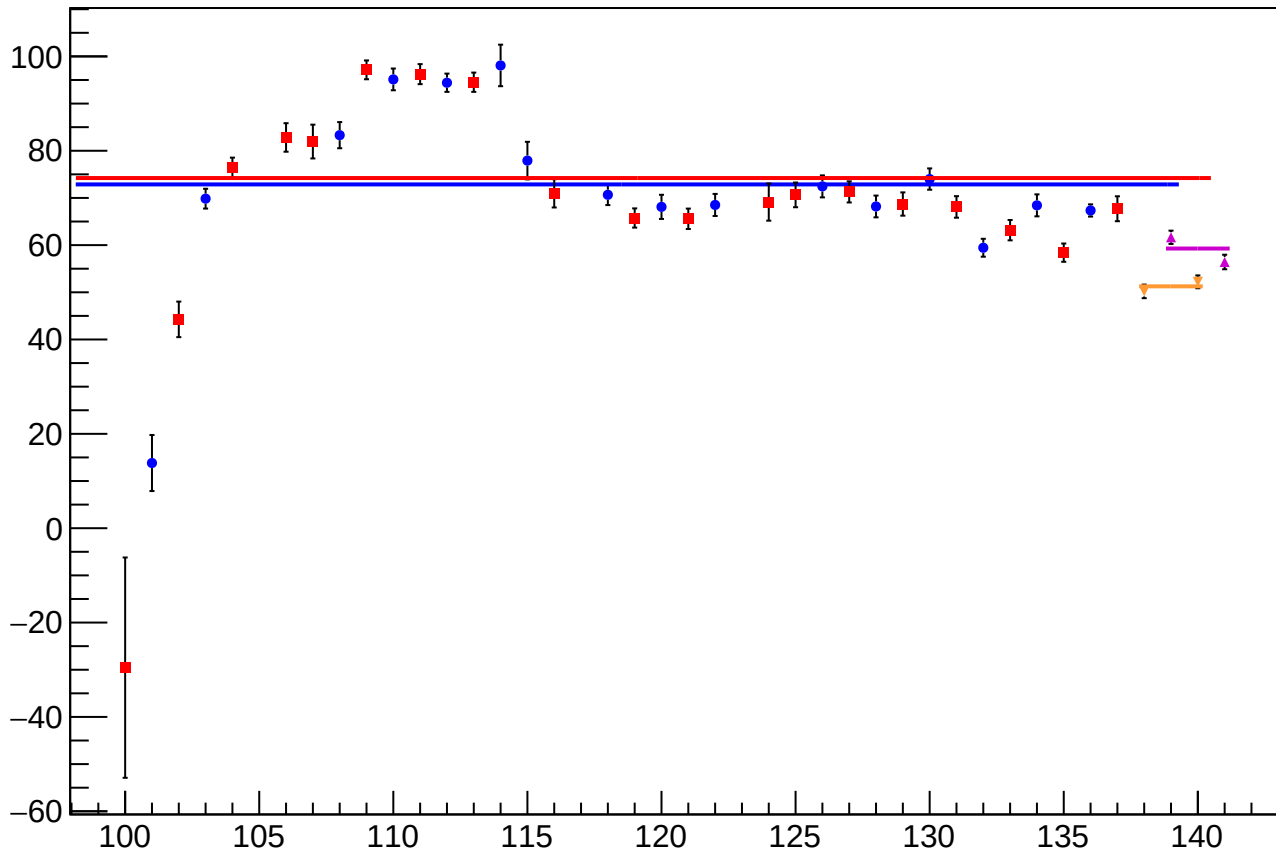
Left In: -0.888 ± 1.006 χ^2/NDF : 12.2/1

+ sign -5.493 ± 0.446 χ^2/NDF : 188.6/17

All: -4.806 ± 0.319 χ^2/NDF : 374.2/38

- sign -4.083 ± 0.457 χ^2/NDF : 180.7/20

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866 $\pm$ 0.565 χ^2 /NDF: 450.7/15

Left Out: 51.264 $\pm$ 0.989 χ^2 /NDF: 1.0/1

Right Out: 74.217 $\pm$ 0.562 χ^2 /NDF: 586.2/18

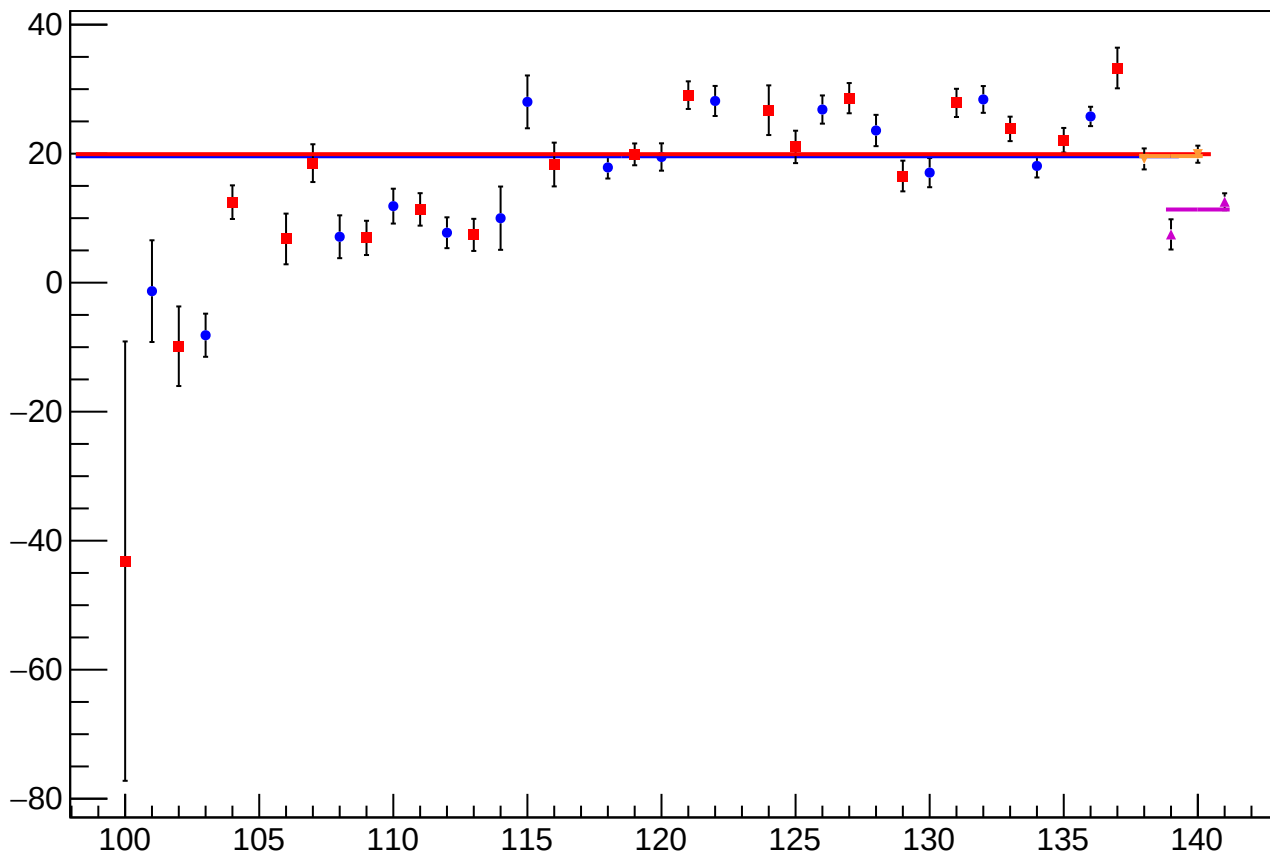
Left In: 59.277 $\pm$ 1.040 χ^2 /NDF: 6.3/1

+ sign 67.549 $\pm$ 0.491 χ^2 /NDF: 811.1/17

All: 69.180 $\pm$ 0.348 χ^2 /NDF: 1585.6/38

- sign 70.836 $\pm$ 0.495 χ^2 /NDF: 752.3/20

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2 /NDF: 196.0/15

Left Out: 19.624+/-1.028 χ^2 /NDF: 0.1/1

Right Out: 19.919+/-0.585 χ^2 /NDF: 181.3/18

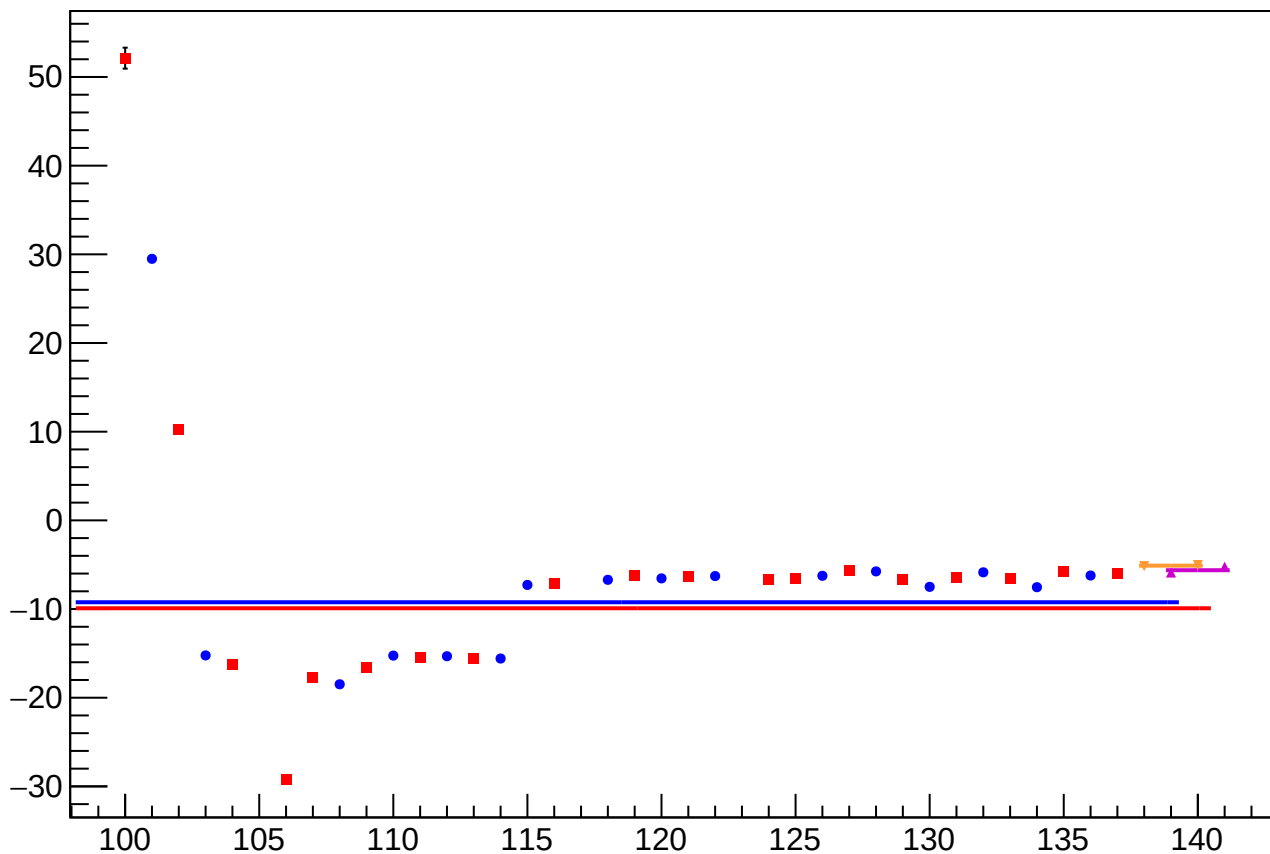
Left In: 11.342+/-1.143 χ^2 /NDF: 3.6/1

+ sign 19.604+/-0.509 χ^2 /NDF: 196.1/17

All: 18.888+/-0.364 χ^2 /NDF: 429.7/38

- sign 18.137+/-0.521 χ^2 /NDF: 229.5/20

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235 ± 0.033 χ^2/NDF : 31159.3/15

Left Out: -5.107 ± 0.041 χ^2/NDF : 2.1/1

Right Out: -9.913 ± 0.034 χ^2/NDF : 53863.3/18

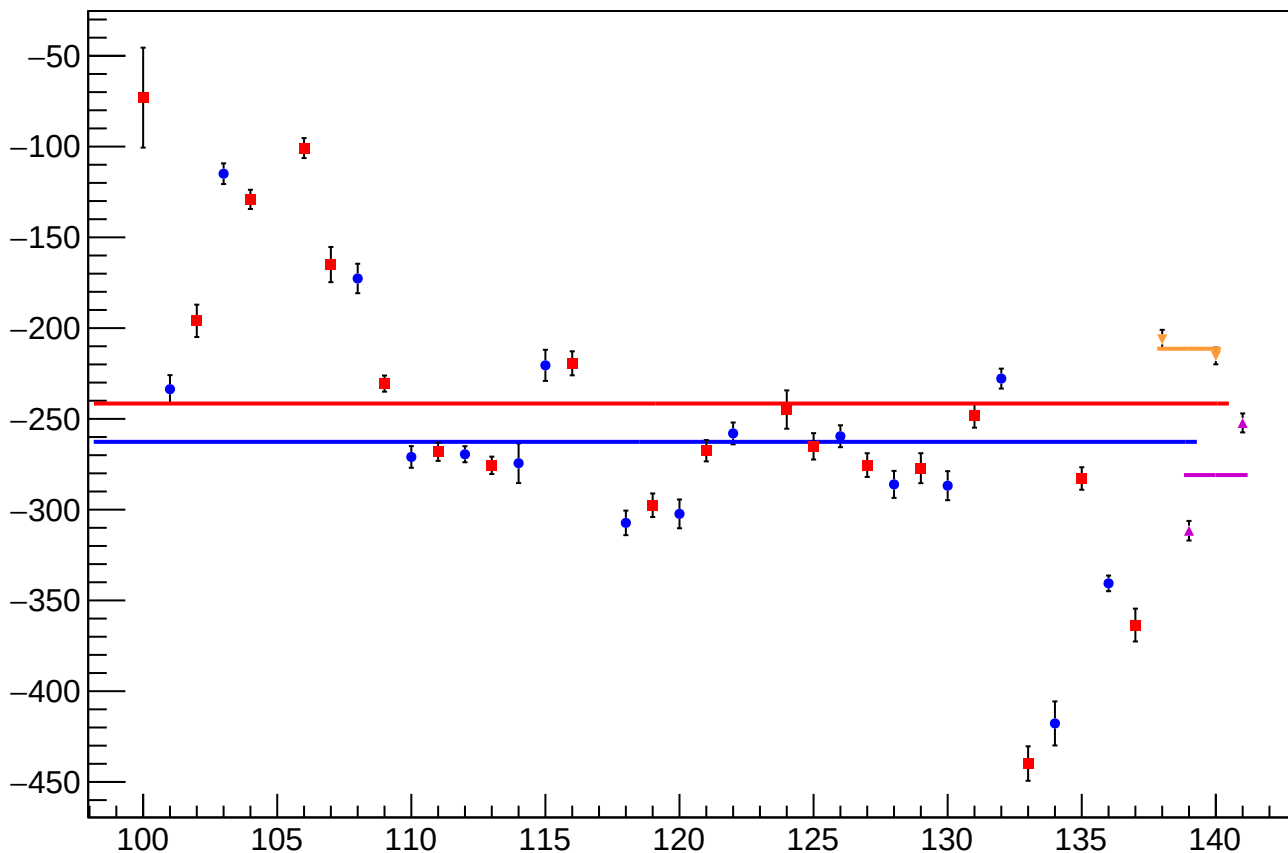
Left In: -5.622 ± 0.039 χ^2/NDF : 66.6/1

+ sign -7.637 ± 0.026 χ^2/NDF : 37276.5/17

All: -7.841 ± 0.018 χ^2/NDF : 98080.0/38

- sign -8.049 ± 0.026 χ^2/NDF : 60676.3/20

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643 ± 1.614 $\chi^2/\text{NDF}: 1454.3/15$

Left Out: -211.339 ± 3.465 $\chi^2/\text{NDF}: 1.7/1$

Right Out: -241.548 ± 1.506 $\chi^2/\text{NDF}: 2138.6/18$

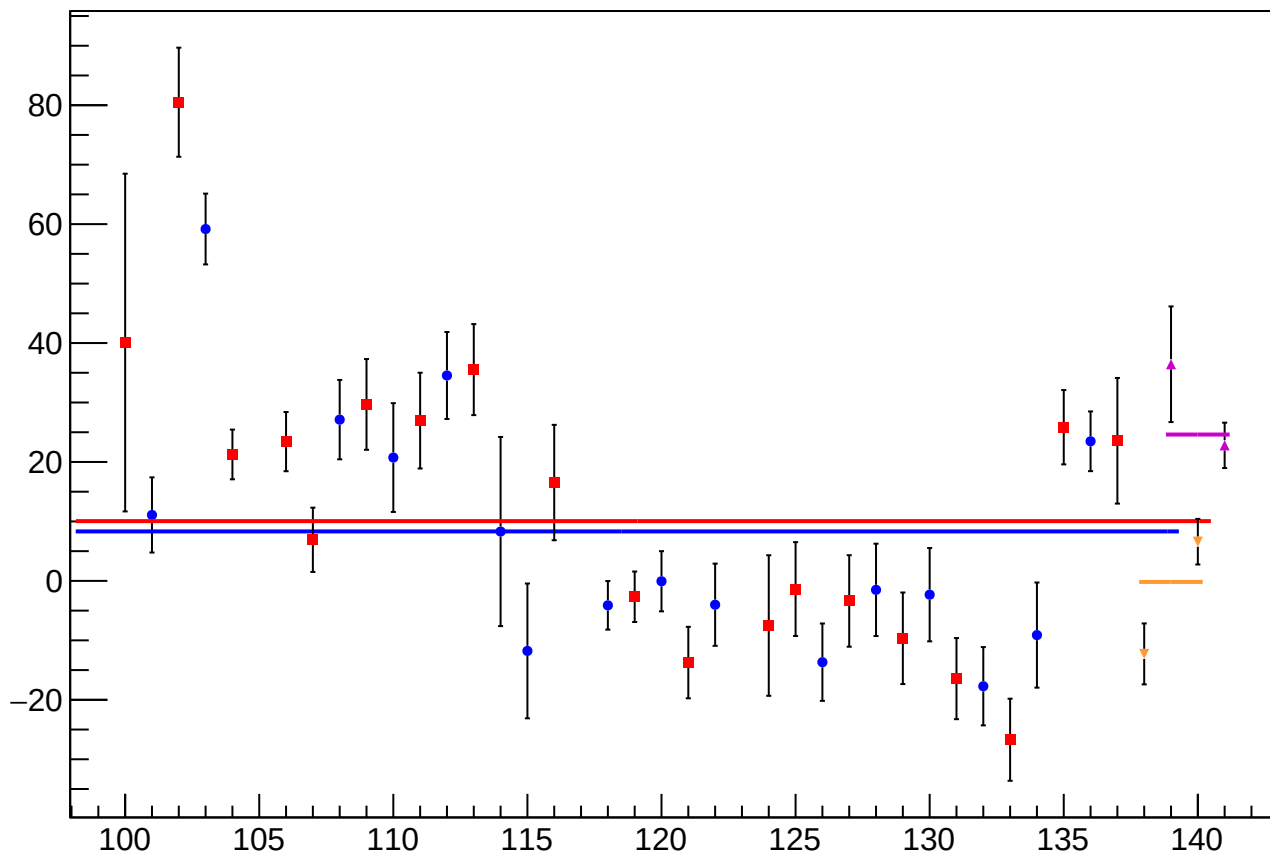
Left In: -280.934 ± 3.755 $\chi^2/\text{NDF}: 62.5/1$

+ sign -253.498 ± 1.463 $\chi^2/\text{NDF}: 1636.2/17$

All: -250.104 ± 1.011 $\chi^2/\text{NDF}: 3942.2/38$

- sign -247.006 ± 1.398 $\chi^2/\text{NDF}: 2295.8/20$

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

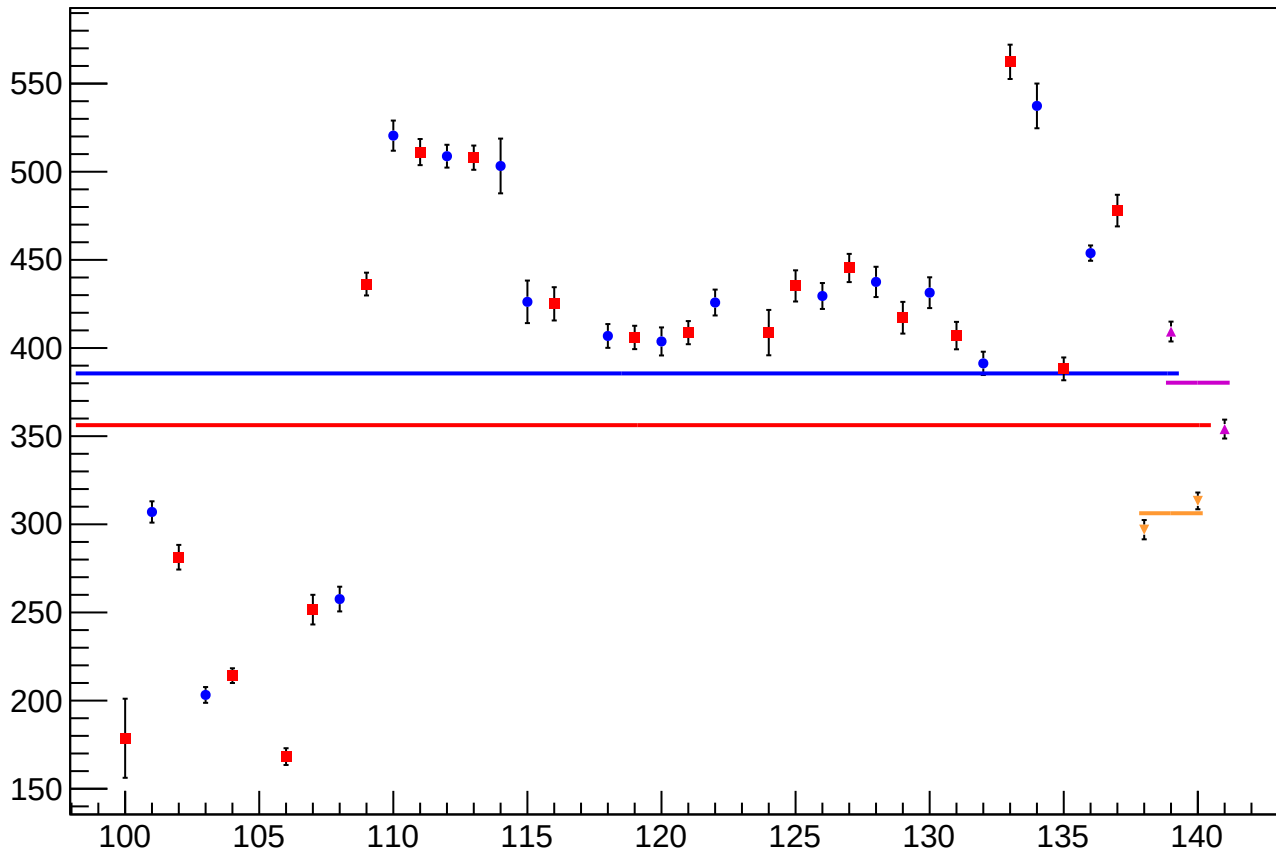
Left In: 24.614 ± 3.553 χ^2/NDF : 1.7/1

+ sign 6.427 ± 1.449 χ^2/NDF : 172.3/17

All: 9.467 ± 1.011 χ^2/NDF : 384.1/38

- sign 12.352 ± 1.412 χ^2/NDF : 203.3/20

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590 $\pm$ 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

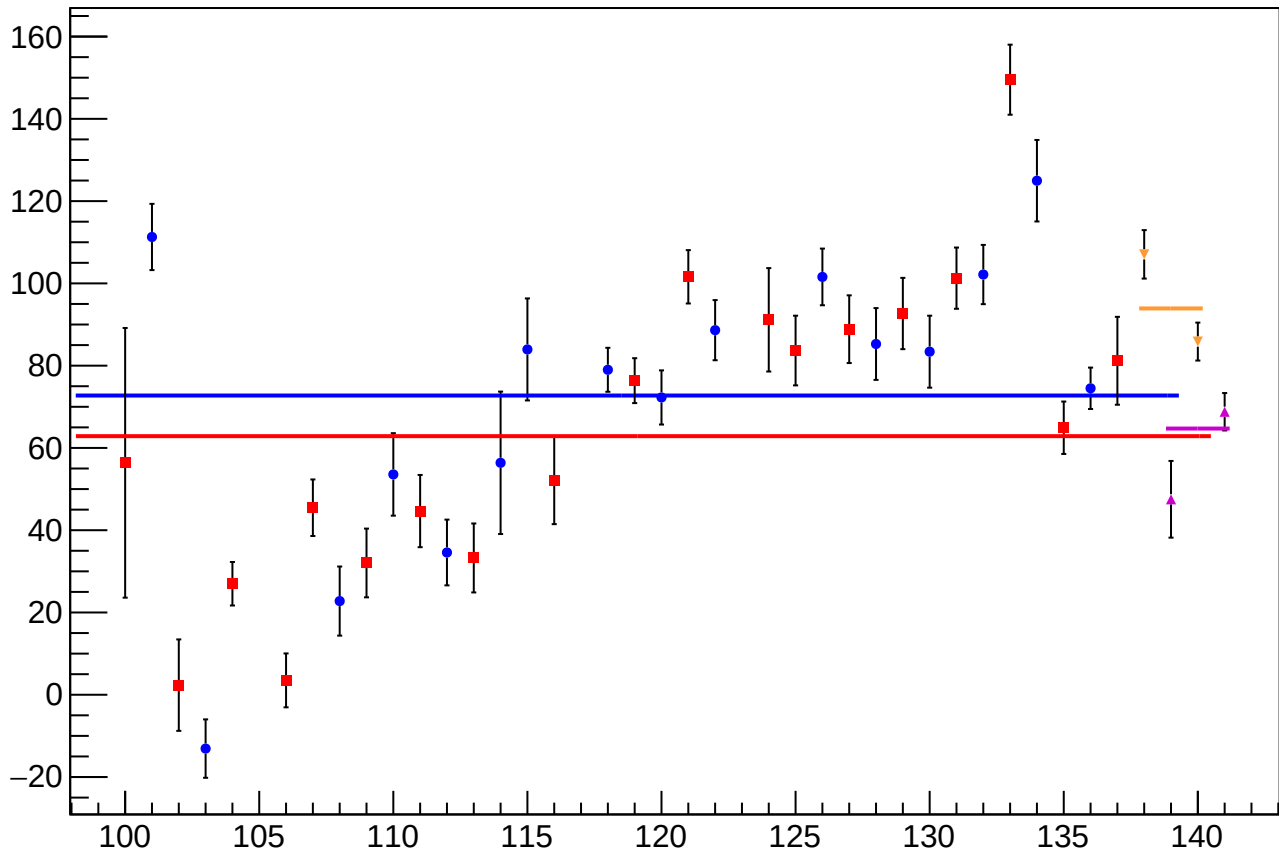
Left In: 380.327 $\pm$ 3.882 χ^2 /NDF: 50.7/1

+ sign 370.438 $\pm$ 1.567 χ^2 /NDF: 3774.1/17

All: 365.003 $\pm$ 1.089 χ^2 /NDF: 9150.9/38

- sign 359.918 $\pm$ 1.516 χ^2 /NDF: 5353.5/20

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

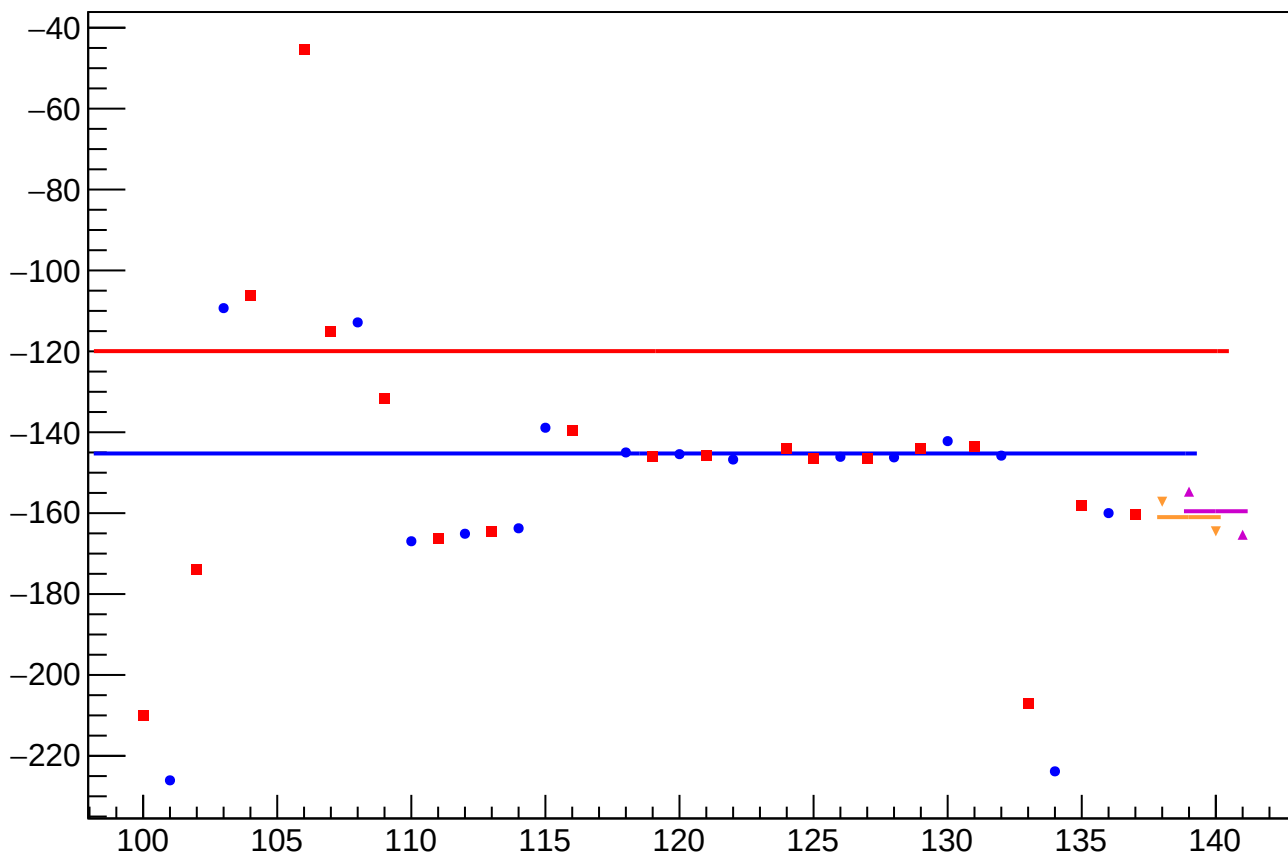
Left In: 64.712 $\pm$ 4.085 χ^2 /NDF: 4.2/1

+ sign 77.279 $\pm$ 1.681 χ^2 /NDF: 339.0/17

All: 70.058 $\pm$ 1.175 χ^2 /NDF: 783.1/38

- sign 63.162 $\pm$ 1.643 χ^2 /NDF: 408.0/20

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246 $\pm$ 0.098 χ^2 /NDF: 132057.3/15

Left Out: -160.984 $\pm$ 0.153 χ^2 /NDF: 573.9/1

Right Out: -119.947 $\pm$ 0.089 χ^2 /NDF: 270354.1/18

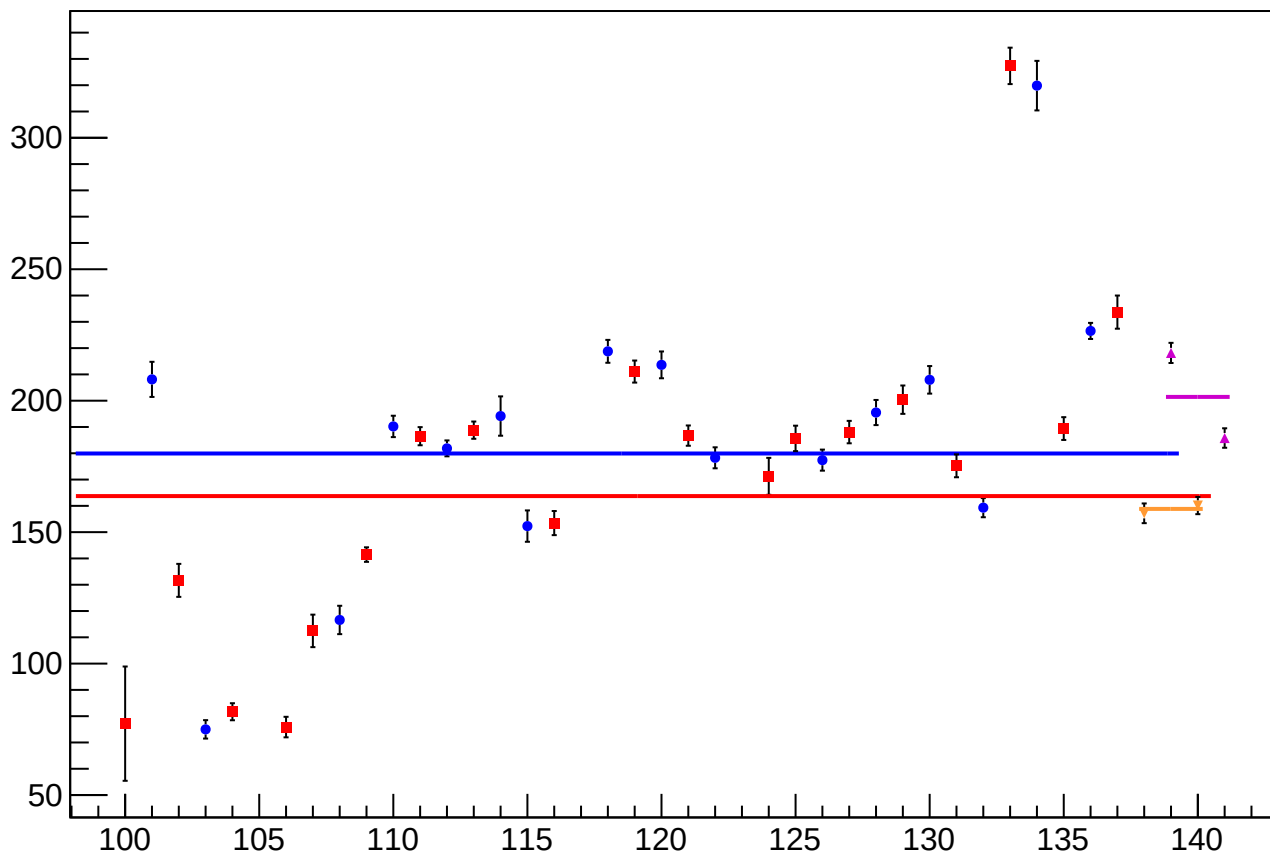
Left In: -159.528 $\pm$ 0.148 χ^2 /NDF: 1277.3/1

+ sign -149.859 $\pm$ 0.083 χ^2 /NDF: 140137.9/17

All: -139.359 $\pm$ 0.056 χ^2 /NDF: 493983.5/38

- sign -130.416 $\pm$ 0.076 χ^2 /NDF: 323982.0/20

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF : 1732.7/15

Left Out: 158.841+/-2.468 χ^2/NDF : 0.4/1

Right Out: 163.718+/-1.001 χ^2/NDF : 2416.8/18

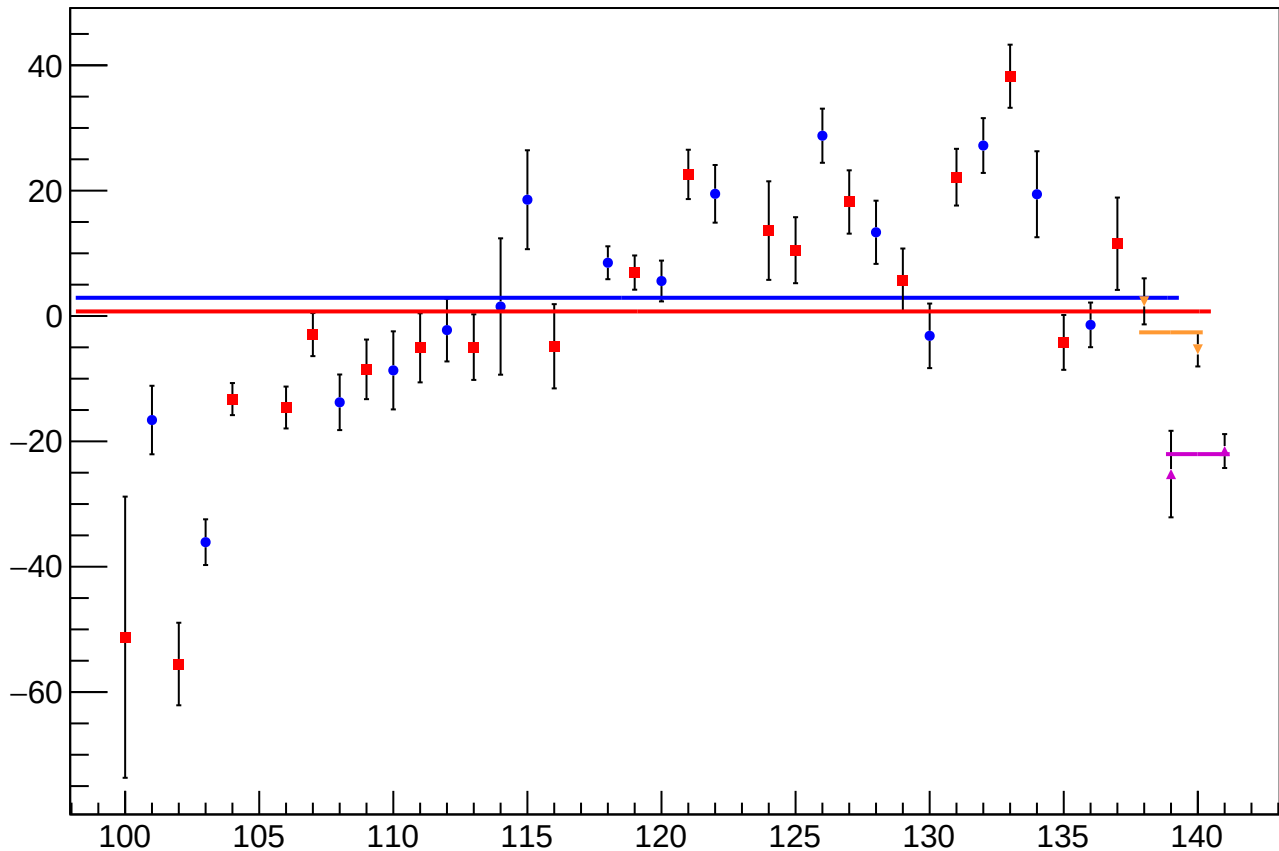
Left In: 201.443+/-2.663 χ^2/NDF : 36.9/1

+ sign 176.484+/-0.996 χ^2/NDF : 1794.1/17

All: 172.188+/-0.682 χ^2/NDF : 4458.7/38

- sign 168.387+/-0.937 χ^2/NDF : 2629.6/20

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907 ± 1.105 χ^2/NDF : 247.5/15

Left Out: -2.608 ± 2.188 χ^2/NDF : 2.8/1

Right Out: 0.729 ± 1.012 χ^2/NDF : 273.6/18

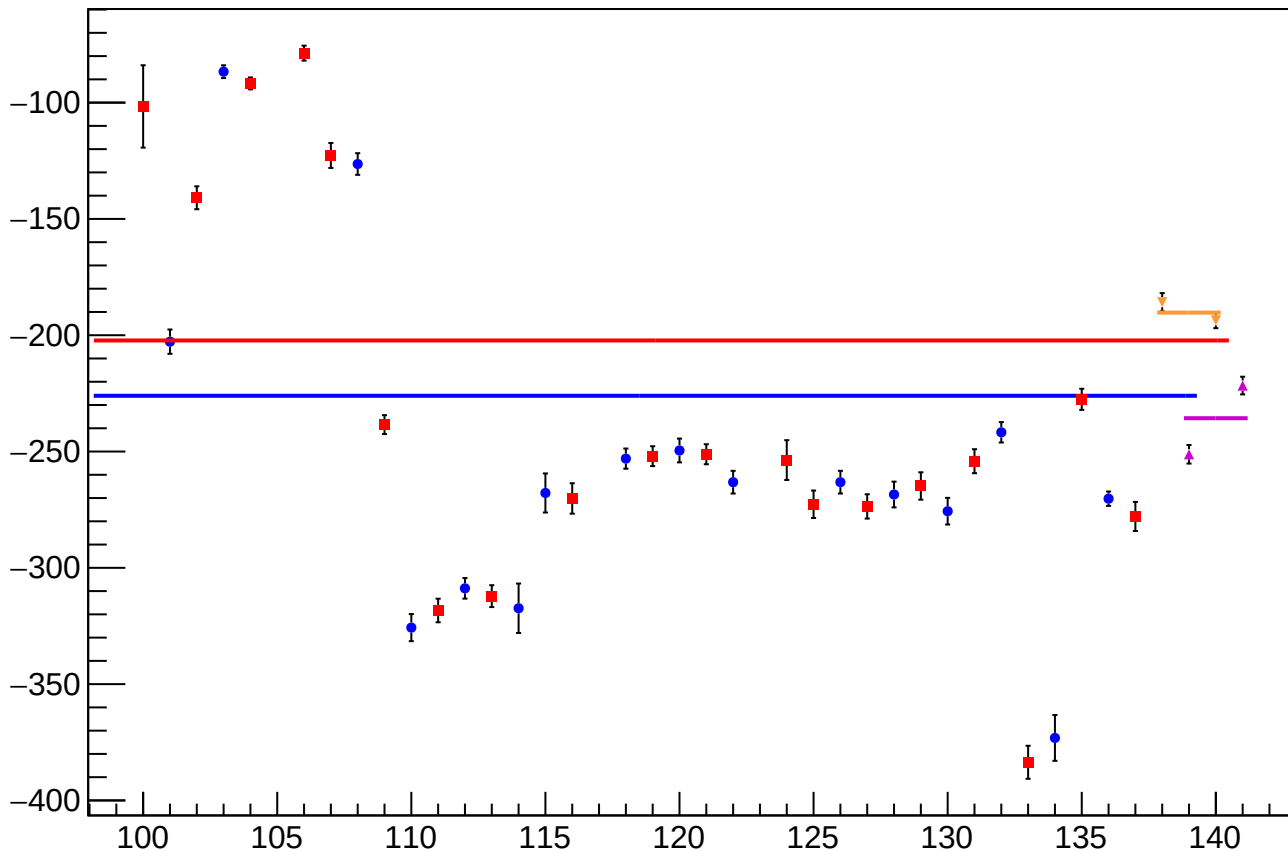
Left In: -22.036 ± 2.520 χ^2/NDF : 0.2/1

+ sign 1.787 ± 0.986 χ^2/NDF : 255.4/17

All: -0.426 ± 0.680 χ^2/NDF : 609.1/38

- sign -2.434 ± 0.939 χ^2/NDF : 344.1/20

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF : 4539.0/15

Left Out: -190.280+/-2.553 χ^2/NDF : 2.3/1

Right Out: -202.247+/-1.087 χ^2/NDF : 6690.8/18

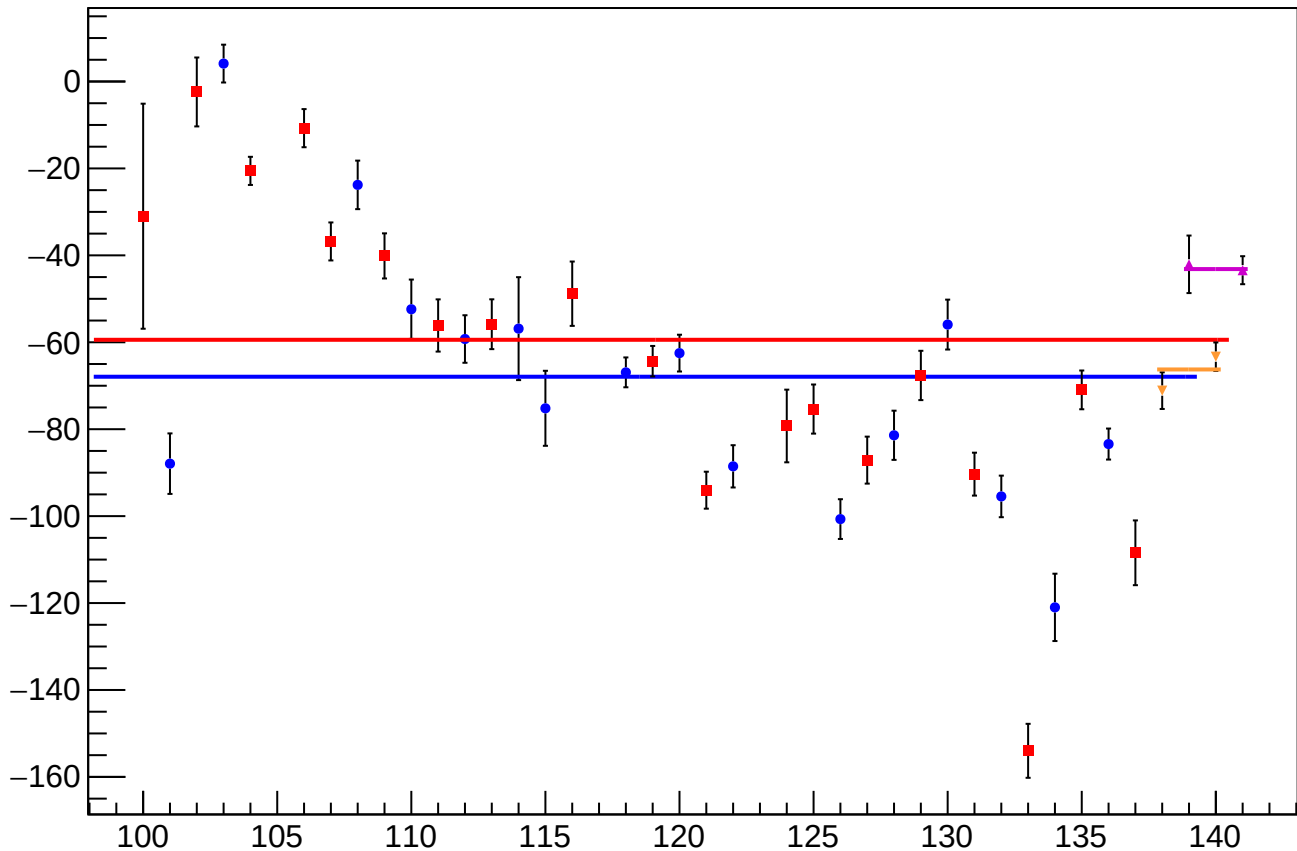
Left In: -235.676+/-2.753 χ^2/NDF : 28.7/1

+ sign -219.780+/-1.067 χ^2/NDF : 4703.1/17

All: -212.916+/-0.734 χ^2/NDF : 11628.6/38

- sign -206.758+/-1.011 χ^2/NDF : 6847.1/20

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927 ± 1.278 $\chi^2/\text{NDF}: 534.0/15$

Left Out: -66.255 ± 2.587 $\chi^2/\text{NDF}: 2.1/1$

Right Out: -59.428 ± 1.184 $\chi^2/\text{NDF}: 794.9/18$

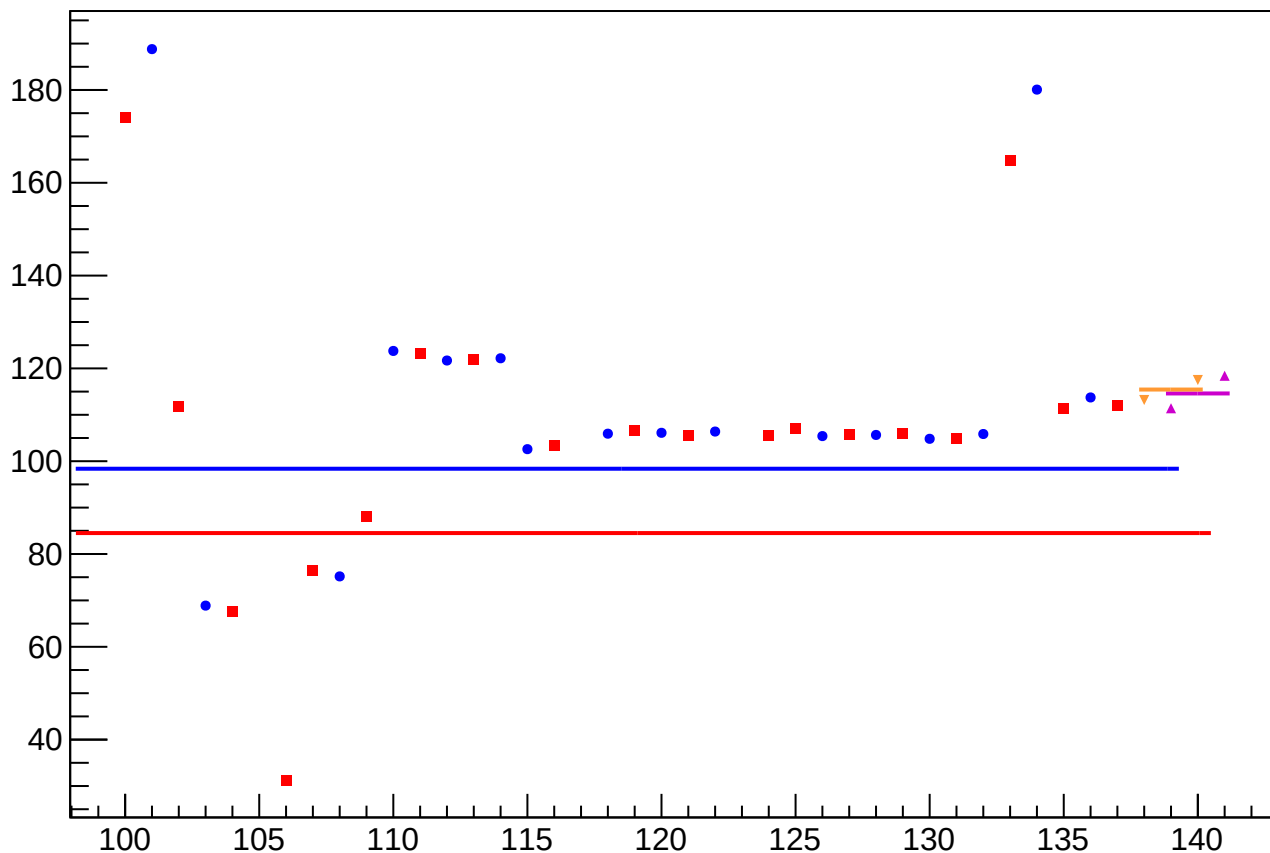
Left In: -43.157 ± 2.897 $\chi^2/\text{NDF}: 0.0/1$

+ sign -67.599 ± 1.146 $\chi^2/\text{NDF}: 536.5/17$

All: -62.116 ± 0.792 $\chi^2/\text{NDF}: 1402.3/38$

- sign -57.099 ± 1.096 $\chi^2/\text{NDF}: 821.9/20$

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF : 228419.7/15

Left Out: 115.444+/-0.109 χ^2/NDF : 391.6/1

Right Out: 84.512+/-0.061 χ^2/NDF : 268911.0/18

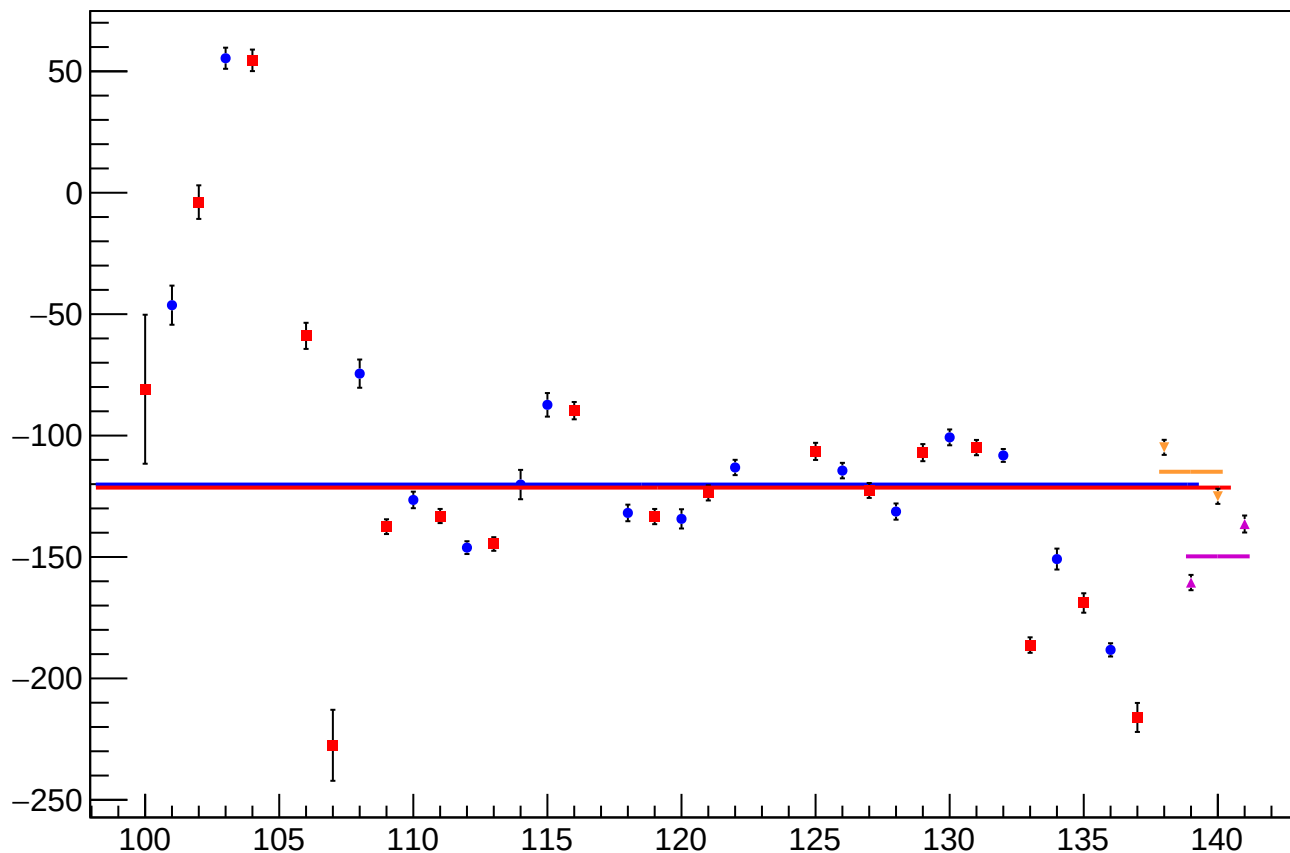
Left In: 114.601+/-0.105 χ^2/NDF : 1098.0/1

+ sign 102.975+/-0.056 χ^2/NDF : 246805.6/17

All: 97.100+/-0.038 χ^2/NDF : 598408.5/38

- sign 92.010+/-0.053 χ^2/NDF : 331380.2/20

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

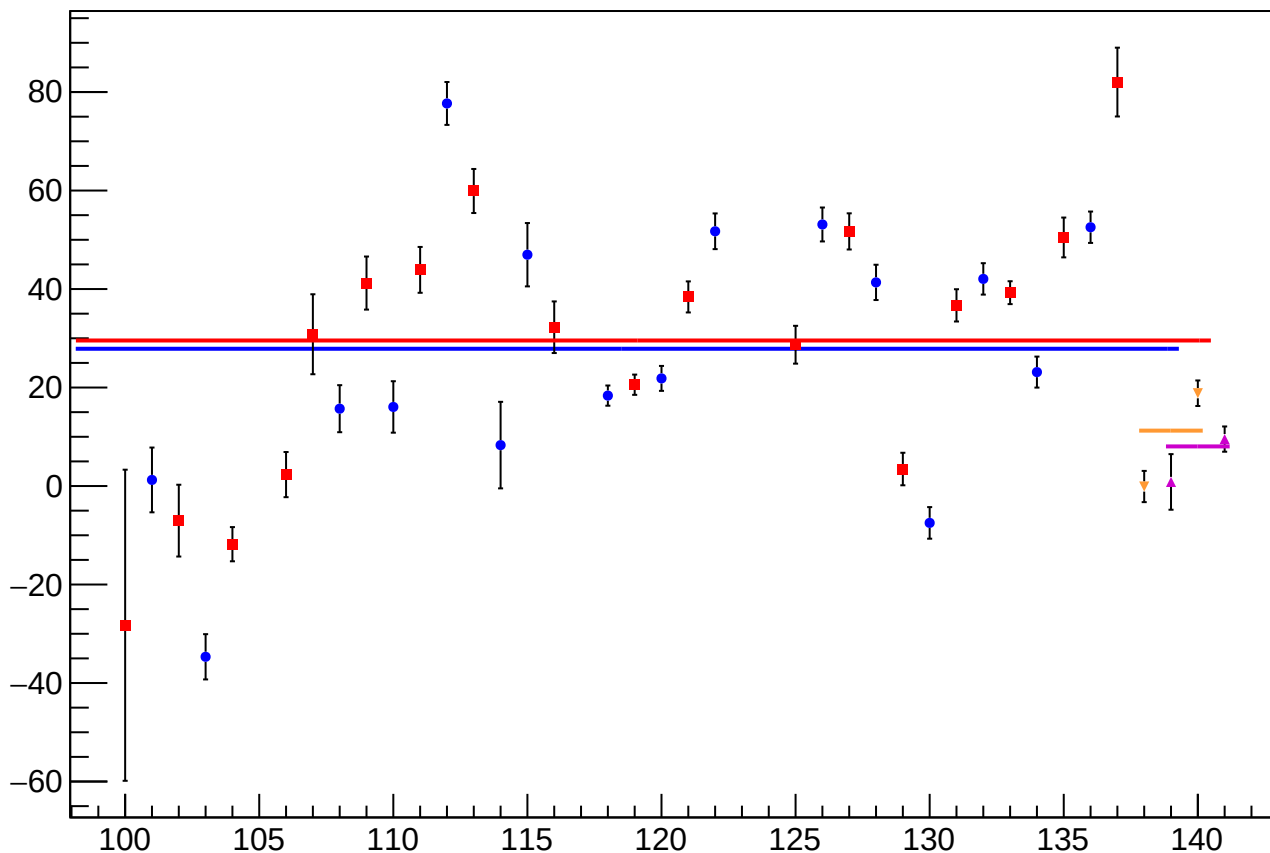
Left In: -149.738+/-2.342 χ^2/NDF : 26.2/1

+ sign -119.432+/-0.825 χ^2/NDF : 2717.2/17

All: -122.179+/-0.582 χ^2/NDF : 6020.1/37

- sign -124.890+/-0.820 χ^2/NDF : 3280.9/19

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.872 $\pm$ 0.888 χ^2 /NDF: 699.6/15

Left Out: 11.250 $\pm$ 2.008 χ^2 /NDF:21.4/1

Right Out: 29.553 $\pm$ 0.890 χ^2 /NDF: 497.5/17

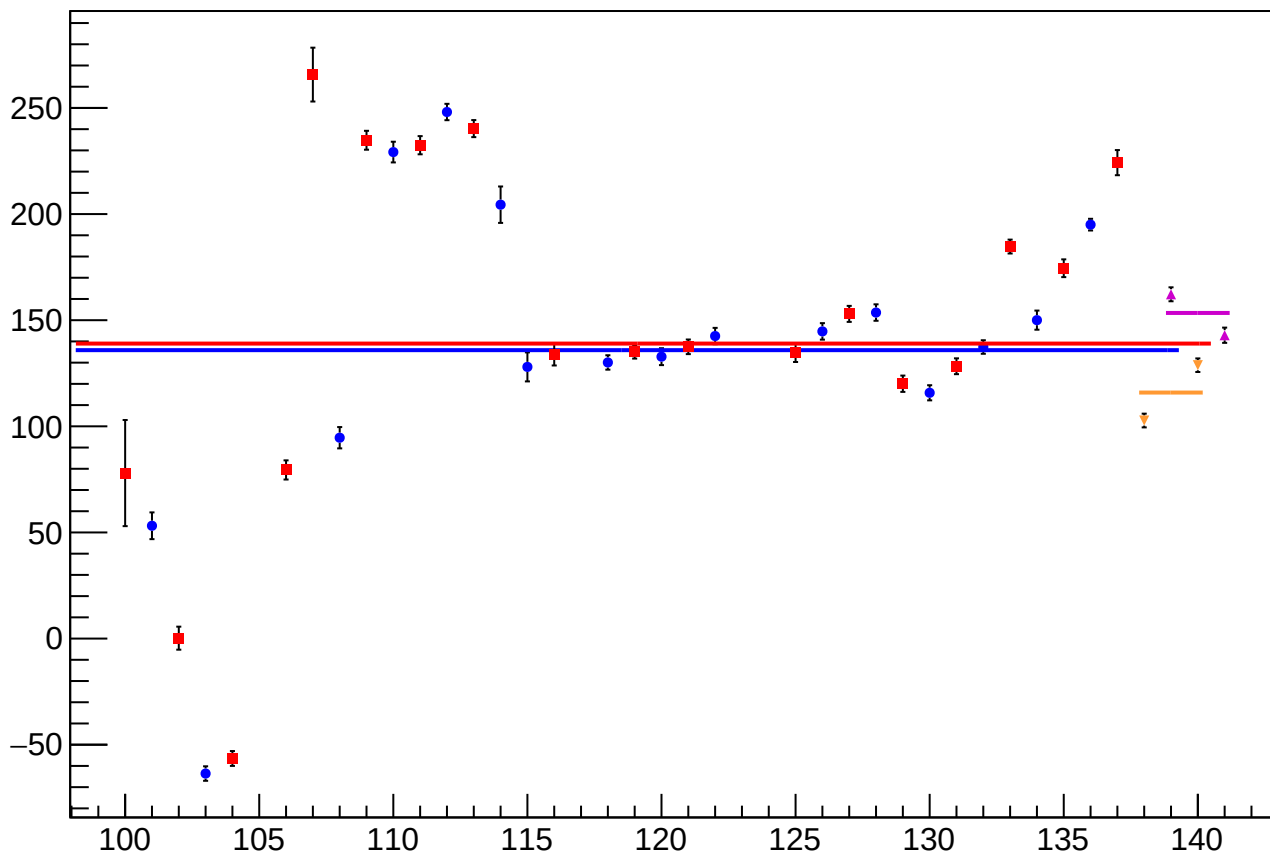
Left In: 8.044 $\pm$ 2.335 χ^2 /NDF:2.0/1

+ sign 25.151 $\pm$ 0.812 χ^2 /NDF: 778.3/17

All: 25.969 $\pm$ 0.581 χ^2 /NDF: 1354.0/37

- sign 26.826 $\pm$ 0.831 χ^2 /NDF: 573.6/19

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

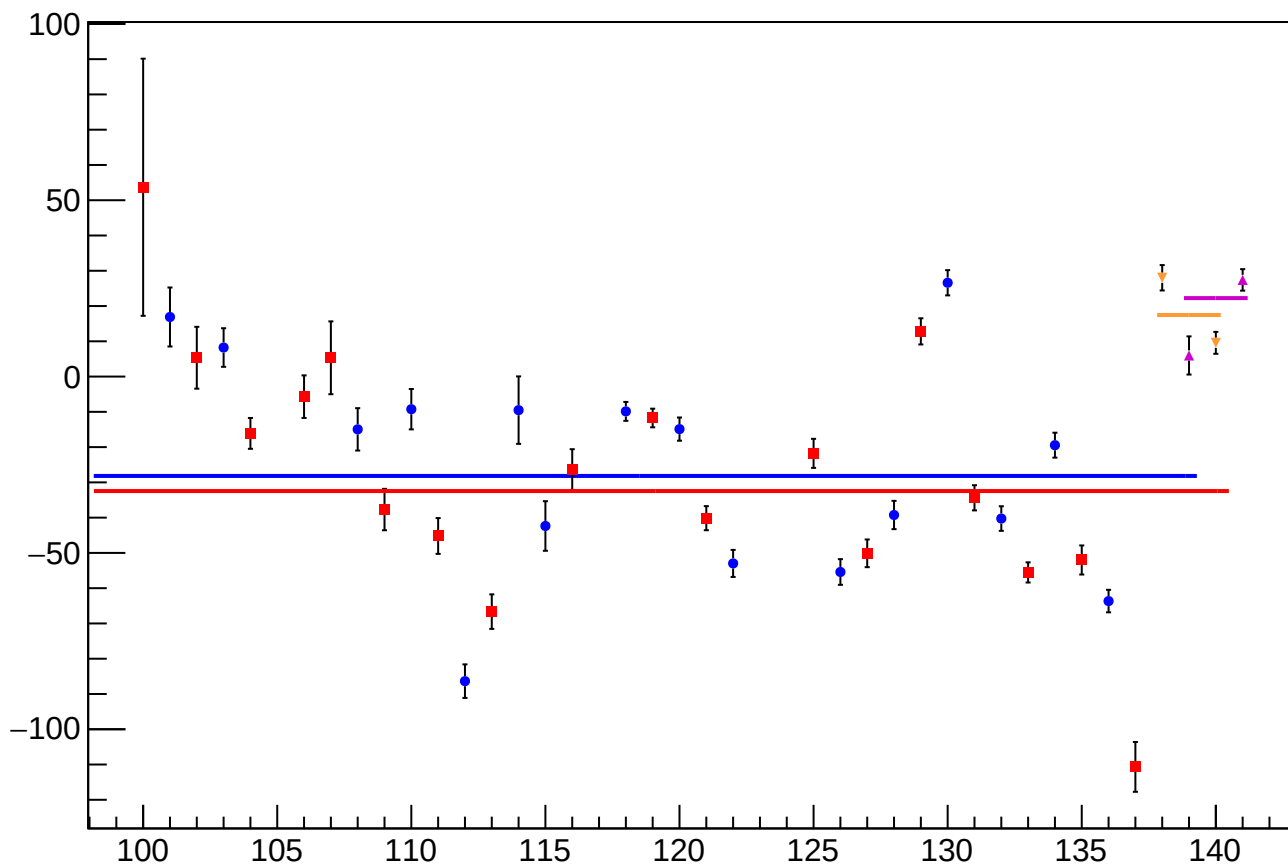
Left In: 153.415 $\pm$ 2.424 χ^2 /NDF:15.7/1

+ sign 132.660 $\pm$ 0.914 χ^2 /NDF: 5561.0/17

All: 136.829 $\pm$ 0.650 χ^2 /NDF: 11805.4/37

- sign 141.077 $\pm$ 0.923 χ^2 /NDF: 6202.4/19

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

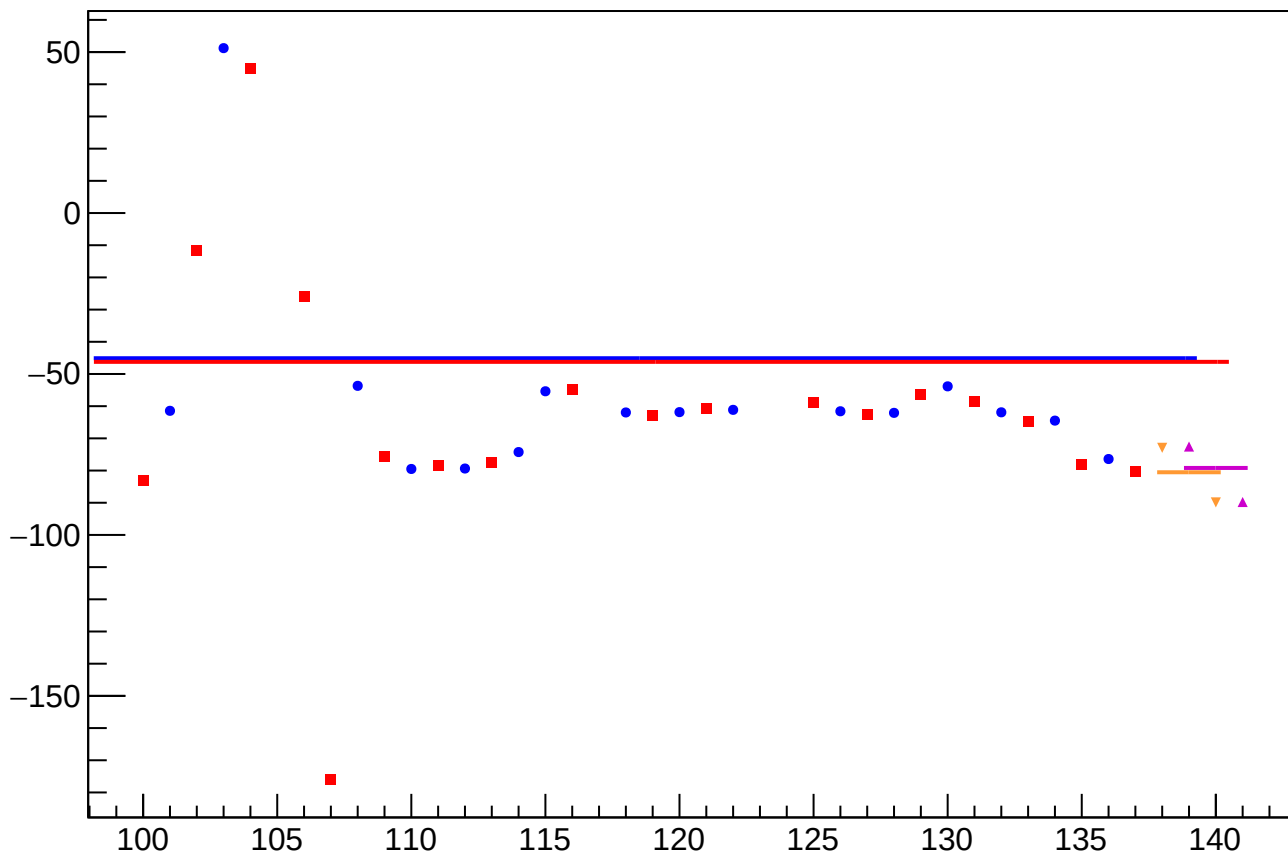
Left In: 22.251 ± 2.655 χ^2/NDF : 11.9/1

+ sign -20.936 ± 0.938 χ^2/NDF : 1122.4/17

All: -23.089 ± 0.670 χ^2/NDF : 2095.1/37

- sign -25.336 ± 0.958 χ^2/NDF : 962.0/19

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 $\chi^2/\text{NDF}: 493616.3/17$

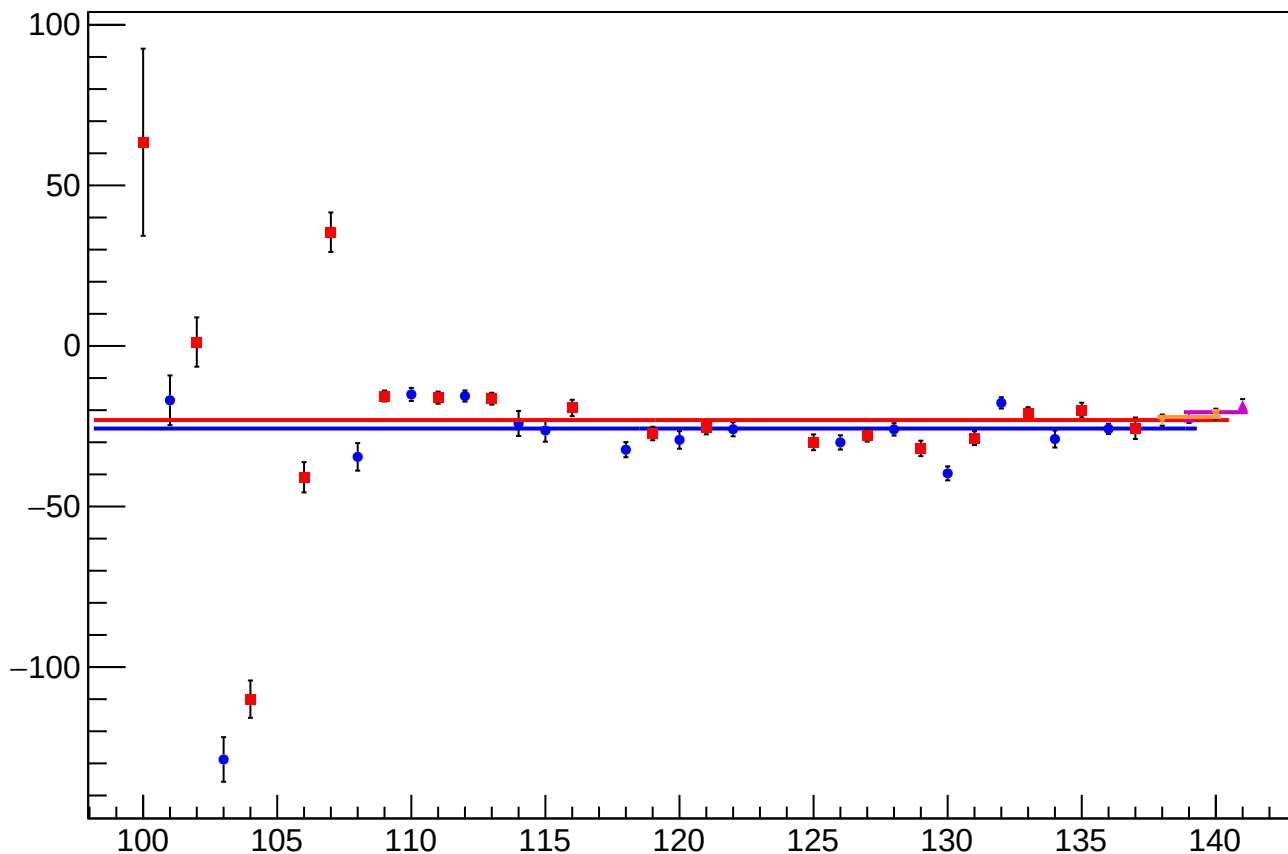
Left In: -79.190 ± 0.091 $\chi^2/\text{NDF}: 8432.8/1$

+ sign -55.164 ± 0.051 $\chi^2/\text{NDF}: 681520.8/17$

All: -55.950 ± 0.036 $\chi^2/\text{NDF}: 1272664.2/37$

- sign -56.759 ± 0.052 $\chi^2/\text{NDF}: 590659.3/19$

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

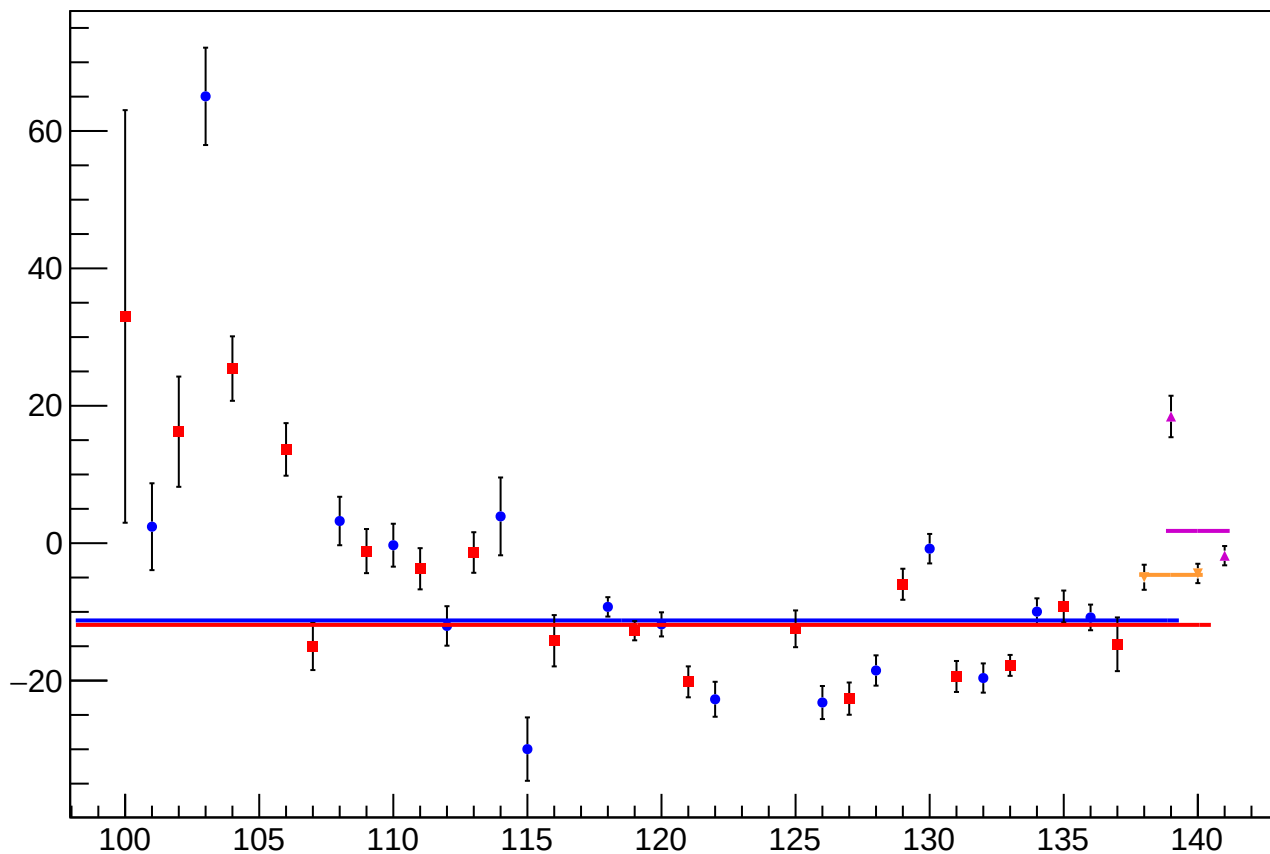
Left In: -20.631 ± 1.257 χ^2/NDF : 2.3/1

+ sign -25.028 ± 0.530 χ^2/NDF : 370.8/17

All: -23.832 ± 0.374 χ^2/NDF : 823.4/37

- sign -22.647 ± 0.528 χ^2/NDF : 442.5/19

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

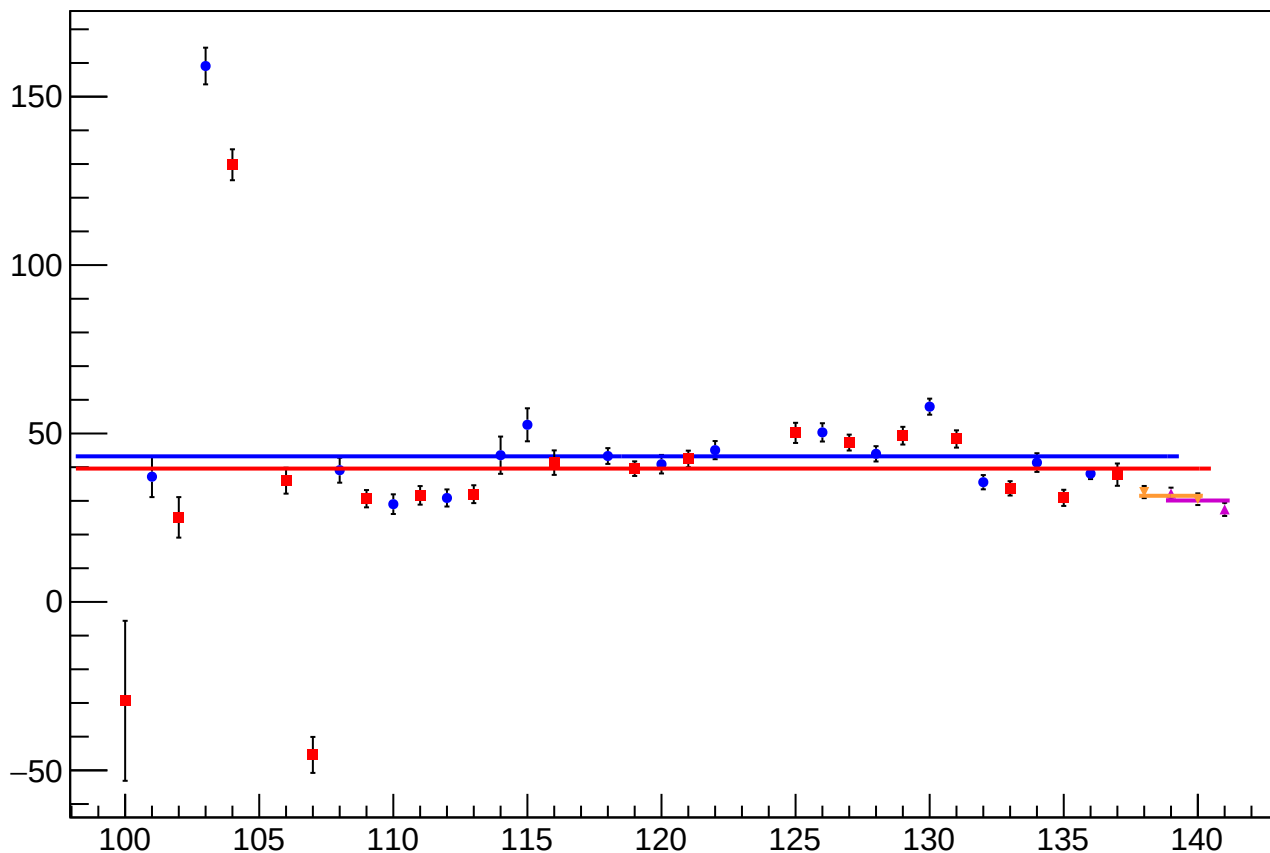
Left In: 1.787 ± 1.273 χ^2/NDF : 37.0/1

+ sign -9.758 ± 0.528 χ^2/NDF : 298.6/17

All: -9.565 ± 0.380 χ^2/NDF : 654.4/37

- sign -9.357 ± 0.548 χ^2/NDF : 355.5/19

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

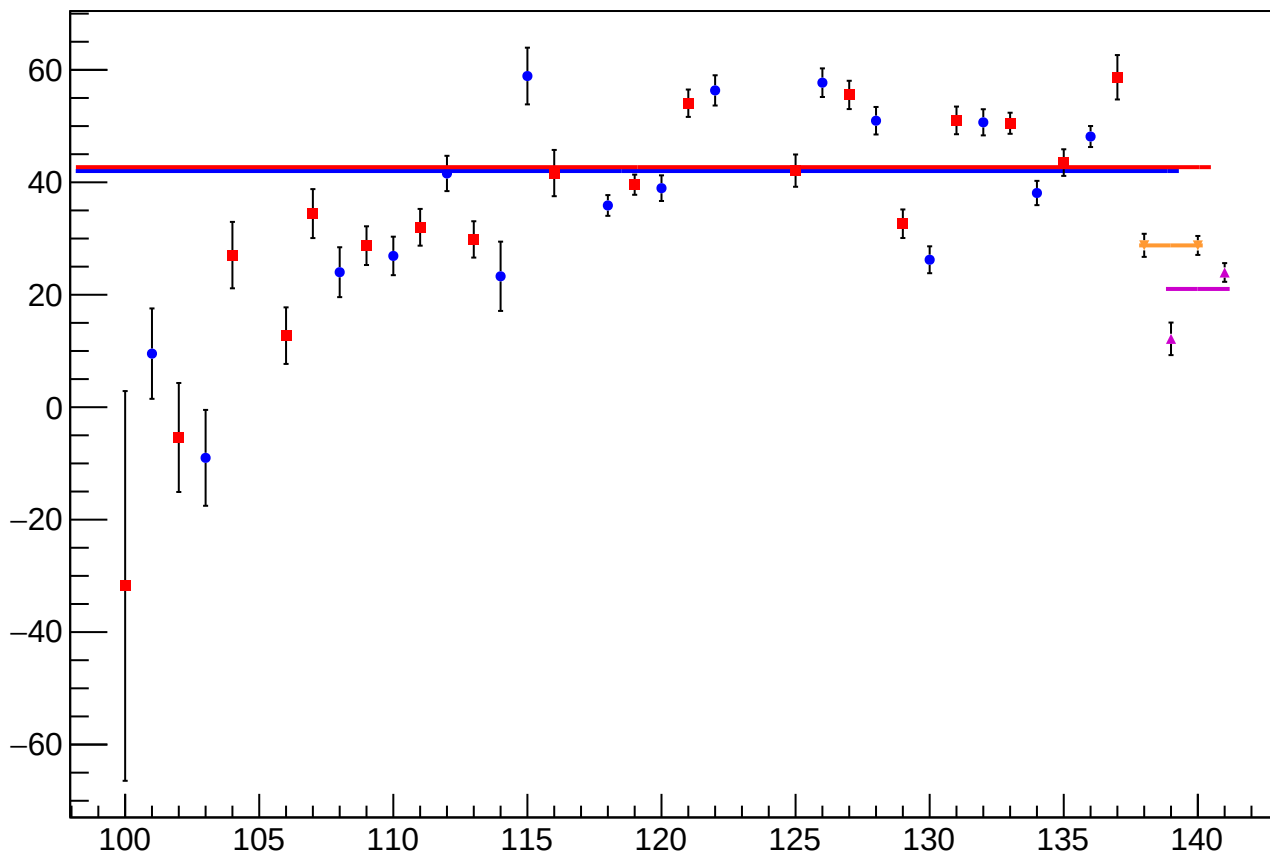
Left In: 30.107 $\pm$ 1.301 χ^2 /NDF: 3.2/1

+ sign 40.557 $\pm$ 0.596 χ^2 /NDF: 644.6/17

All: 39.068 $\pm$ 0.425 χ^2 /NDF: 1456.1/37

- sign 37.530 $\pm$ 0.606 χ^2 /NDF: 798.8/19

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

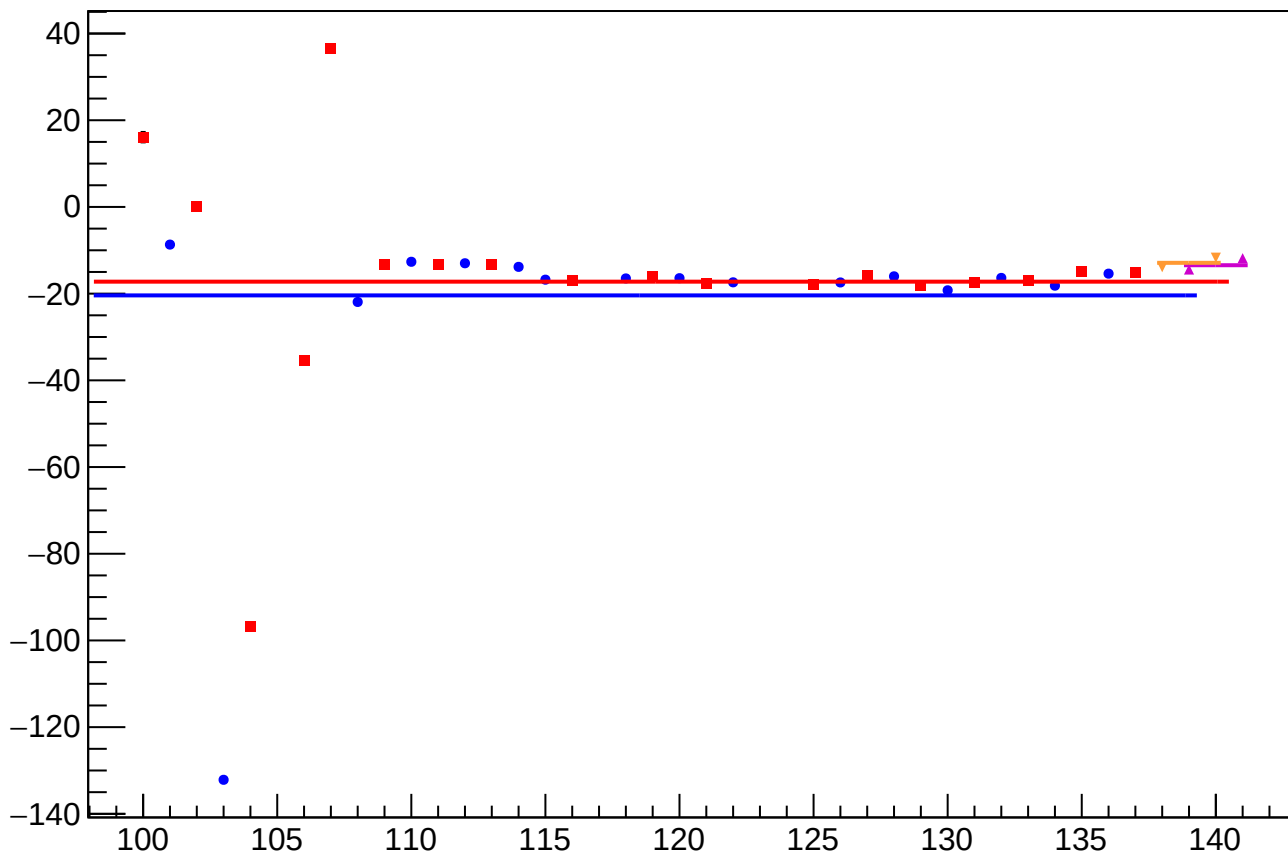
Left In: 21.034 $\pm$ 1.443 χ^2 /NDF: 12.5/1

+ sign 39.151 $\pm$ 0.605 χ^2 /NDF: 353.5/17

All: 38.893 $\pm$ 0.435 χ^2 /NDF: 779.7/37

- sign 38.618 $\pm$ 0.626 χ^2 /NDF: 425.8/19

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -20.405 ± 0.042 χ^2/NDF : 245611.9/15

Left Out: -12.891 ± 0.052 χ^2/NDF : 444.5/1

Right Out: -17.236 ± 0.044 χ^2/NDF : 204657.3/17

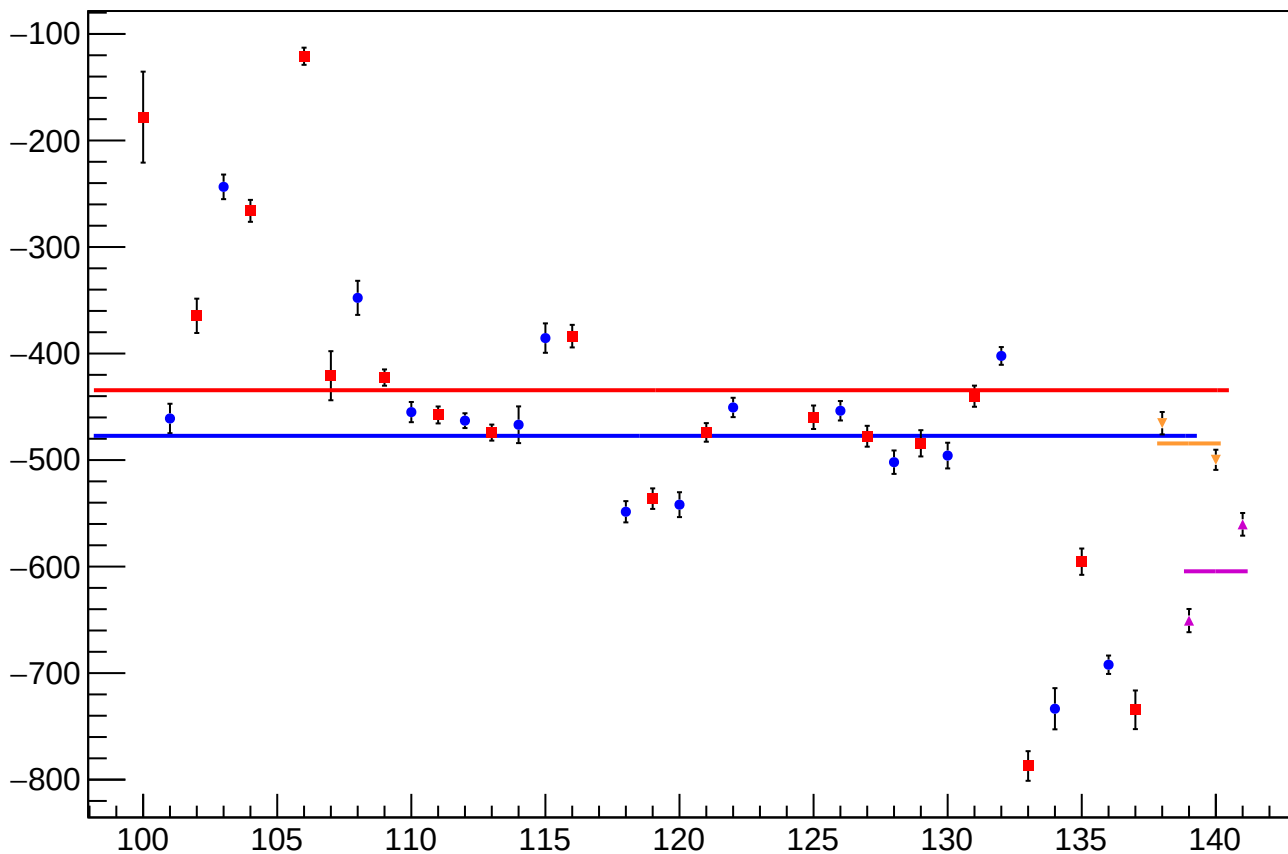
Left In: -13.444 ± 0.049 χ^2/NDF : 669.6/1

+ sign -17.453 ± 0.033 χ^2/NDF : 258687.8/17

All: -16.501 ± 0.023 χ^2/NDF : 469024.8/37

- sign -15.542 ± 0.033 χ^2/NDF : 208632.2/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF : 1510.8/15

Left Out: -484.403+/-7.032 χ^2/NDF : 5.9/1

Right Out: -434.437+/-2.464 χ^2/NDF : 3161.9/17

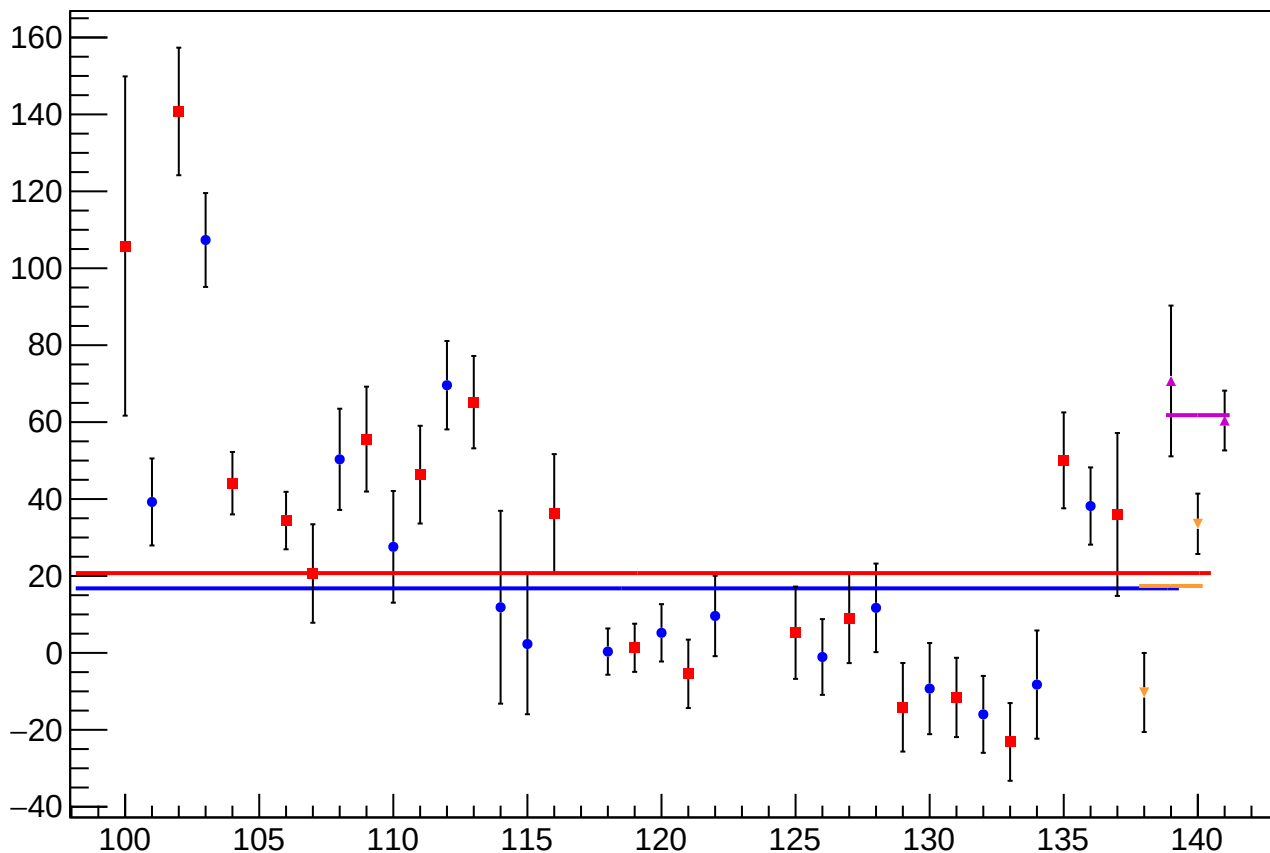
Left In: -604.428+/-7.616 χ^2/NDF : 35.2/1

+ sign -478.134+/-2.466 χ^2/NDF : 1517.6/17

All: -463.641+/-1.699 χ^2/NDF : 5231.5/37

- sign -450.544+/-2.344 χ^2/NDF : 3648.1/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780 ± 2.654 $\chi^2/\text{NDF}: 125.0/15$

Left Out: 17.402 ± 6.239 $\chi^2/\text{NDF}: 11.5/1$

Right Out: 20.749 ± 2.548 $\chi^2/\text{NDF}: 157.9/17$

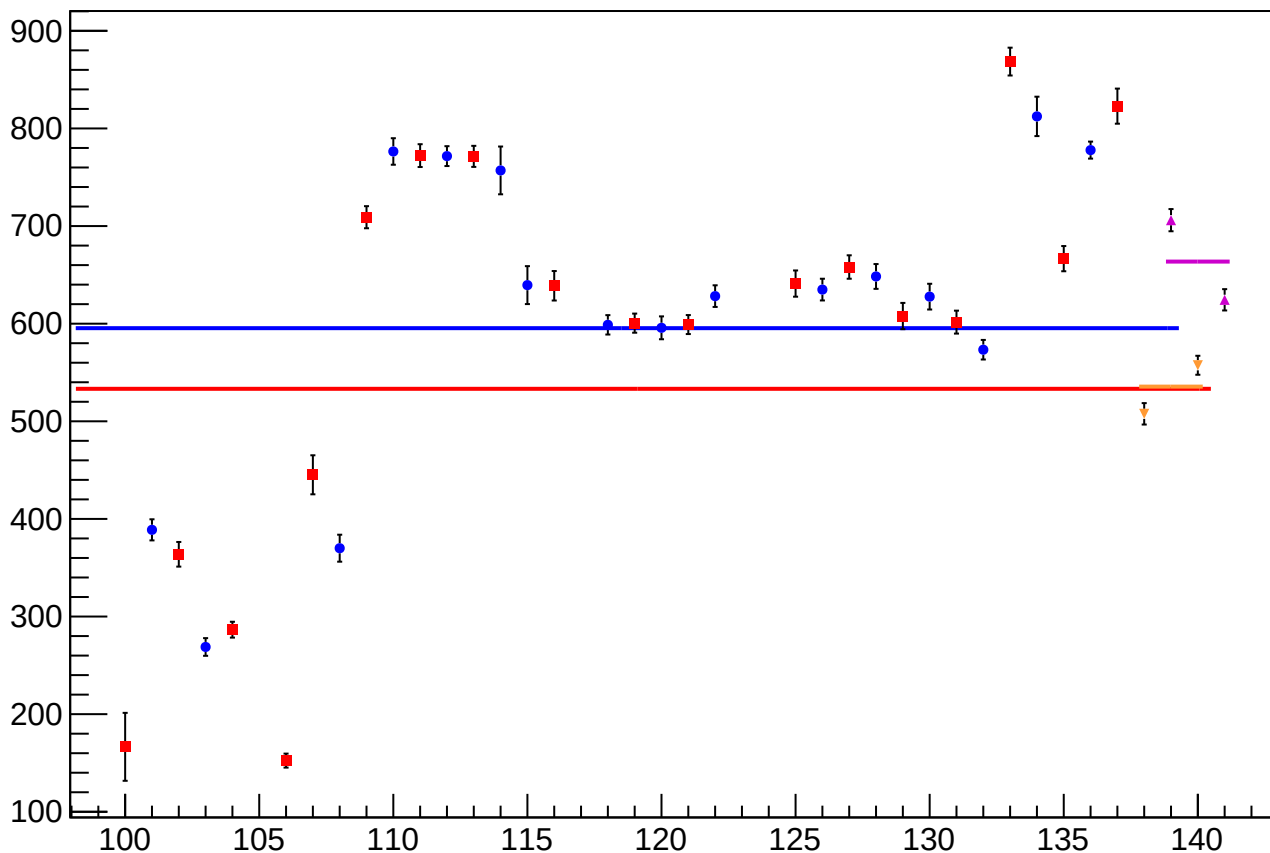
Left In: 61.811 ± 7.225 $\chi^2/\text{NDF}: 0.2/1$

+ sign 16.875 ± 2.442 $\chi^2/\text{NDF}: 136.5/17$

All: 21.152 ± 1.713 $\chi^2/\text{NDF}: 329.4/37$

- sign 25.292 ± 2.403 $\chi^2/\text{NDF}: 186.9/19$

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

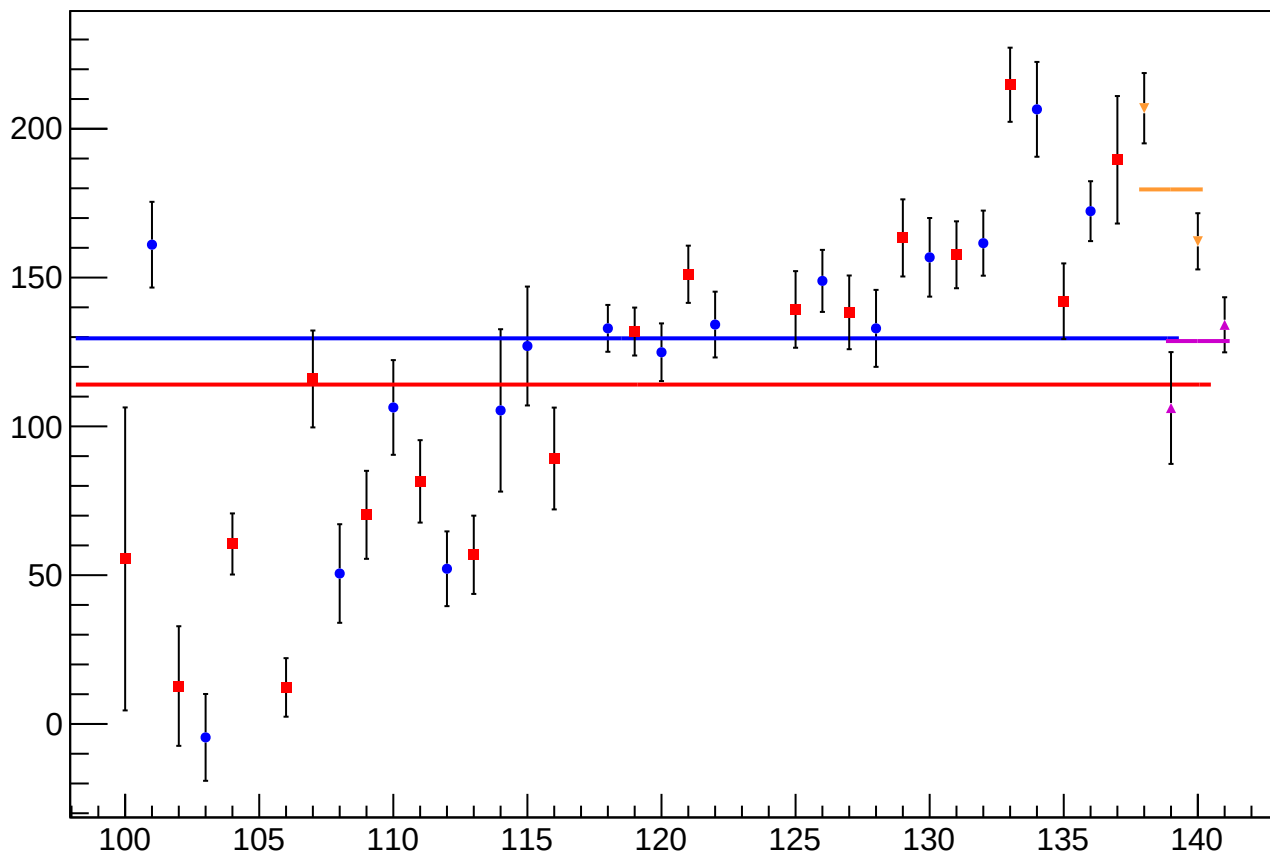
Left In: 663.610 $\pm$ 7.874 χ^2 /NDF:26.8/1

+ sign 587.054 $\pm$ 2.718 χ^2 /NDF: 3129.5/17

All: 566.304 $\pm$ 1.876 χ^2 /NDF: 10014.8/37

- sign 547.416 $\pm$ 2.593 χ^2 /NDF: 6773.9/19

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

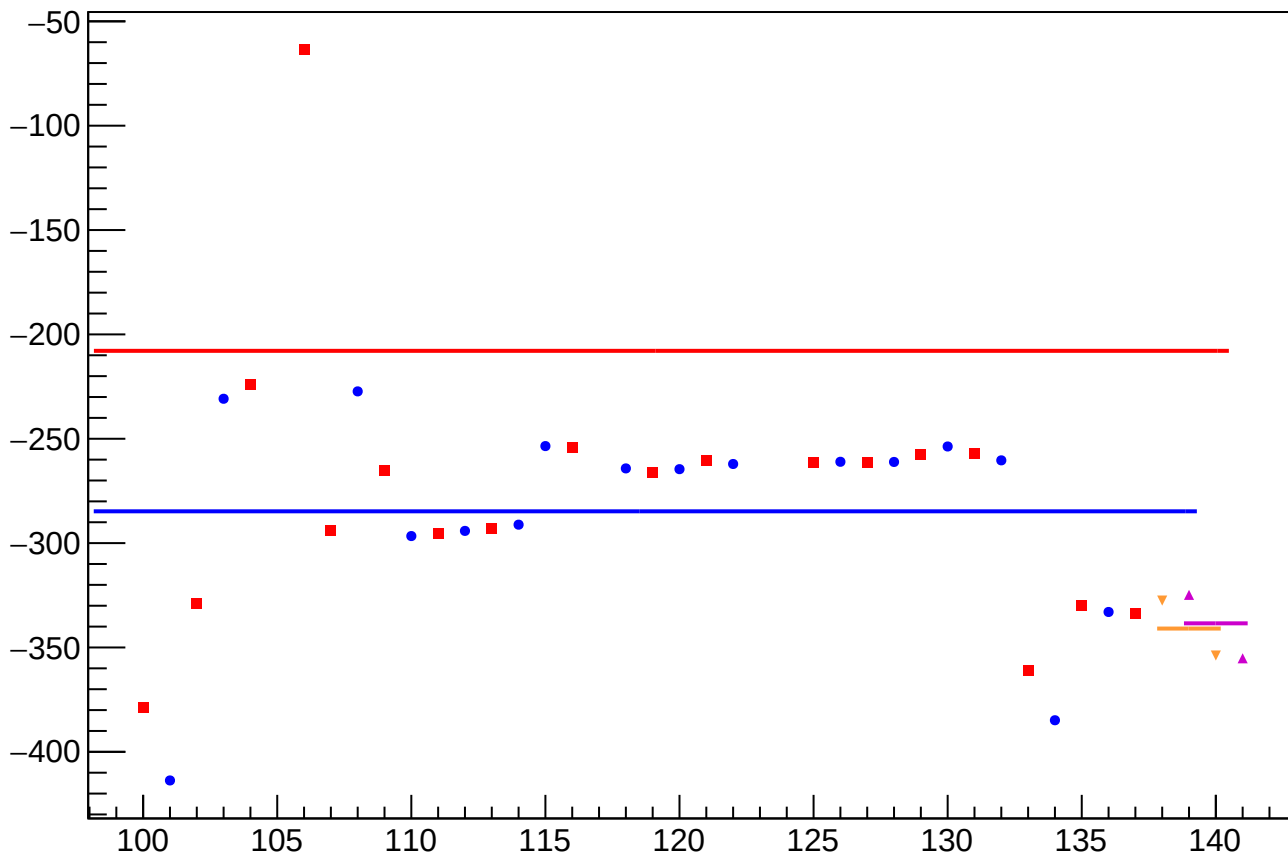
Left In: 128.671 $\pm$ 8.303 χ^2 /NDF:1.8/1

+ sign 137.017 $\pm$ 2.843 χ^2 /NDF: 259.2/17

All: 126.209 $\pm$ 1.995 χ^2 /NDF: 628.1/37

- sign 115.713 $\pm$ 2.802 χ^2 /NDF: 340.5/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -284.765 ± 0.178 $\chi^2/\text{NDF}: 104370.4/15$

Left Out: -340.937 ± 0.310 $\chi^2/\text{NDF}: 1804.8/1$

Right Out: -207.875 ± 0.149 $\chi^2/\text{NDF}: 536707.7/17$

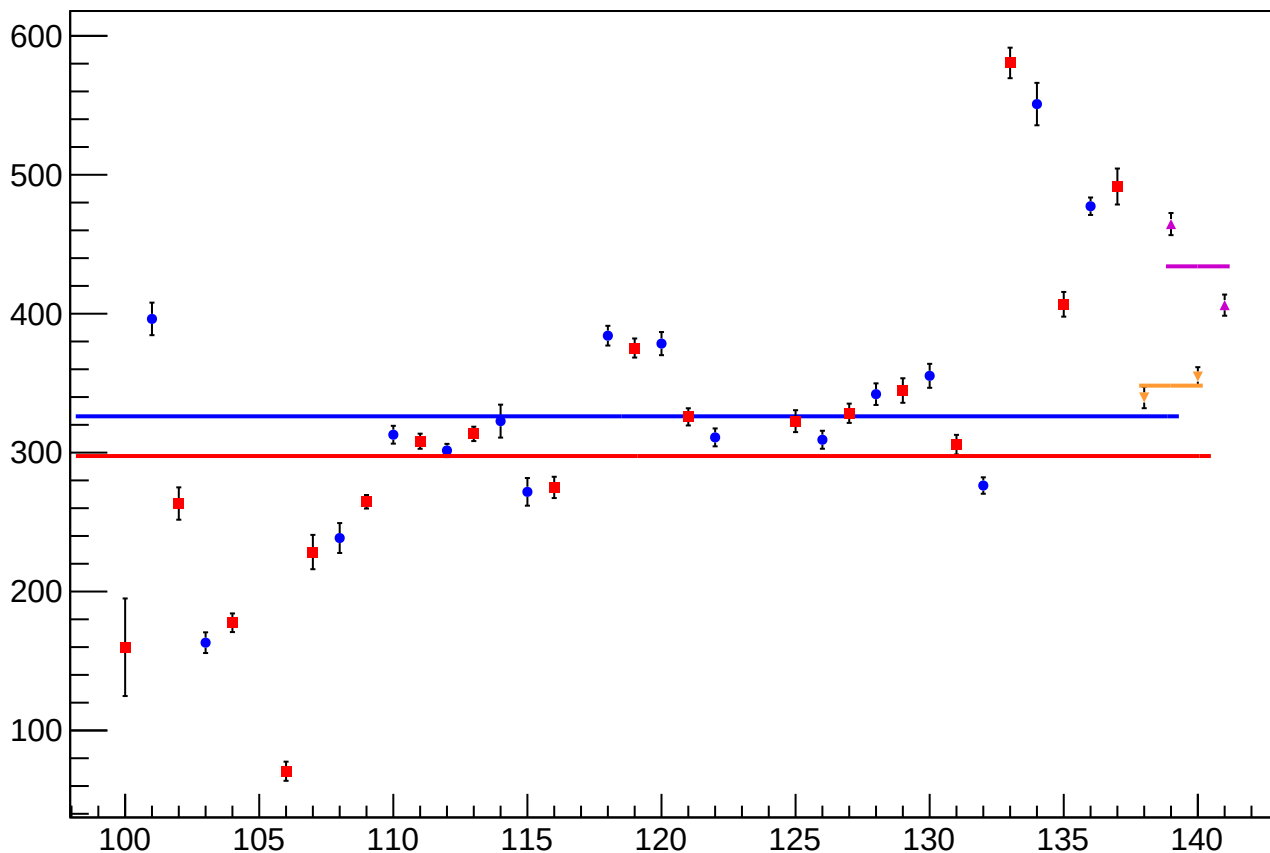
Left In: -338.437 ± 0.301 $\chi^2/\text{NDF}: 2531.5/1$

+ sign -298.657 ± 0.154 $\chi^2/\text{NDF}: 130928.7/17$

All: -261.473 ± 0.101 $\chi^2/\text{NDF}: 923705.3/37$

- sign -233.595 ± 0.133 $\chi^2/\text{NDF}: 690818.8/19$

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

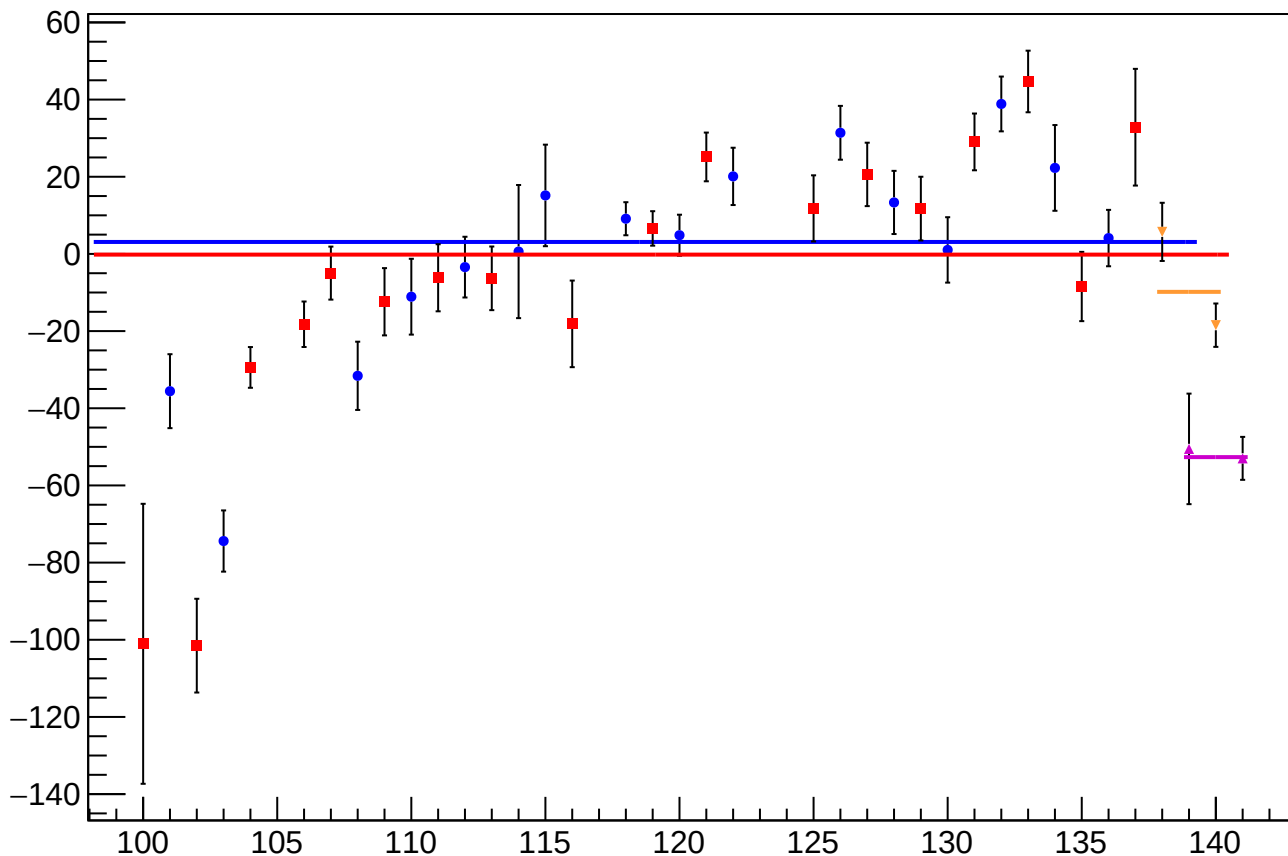
Left In: 434.089 $\pm$ 5.504 χ^2/NDF : 28.1/1

+ sign 328.726 $\pm$ 1.744 χ^2/NDF : 1661.7/17

All: 318.803 $\pm$ 1.200 χ^2/NDF : 5086.6/37

- sign 309.877 $\pm$ 1.654 χ^2/NDF : 3363.5/19

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

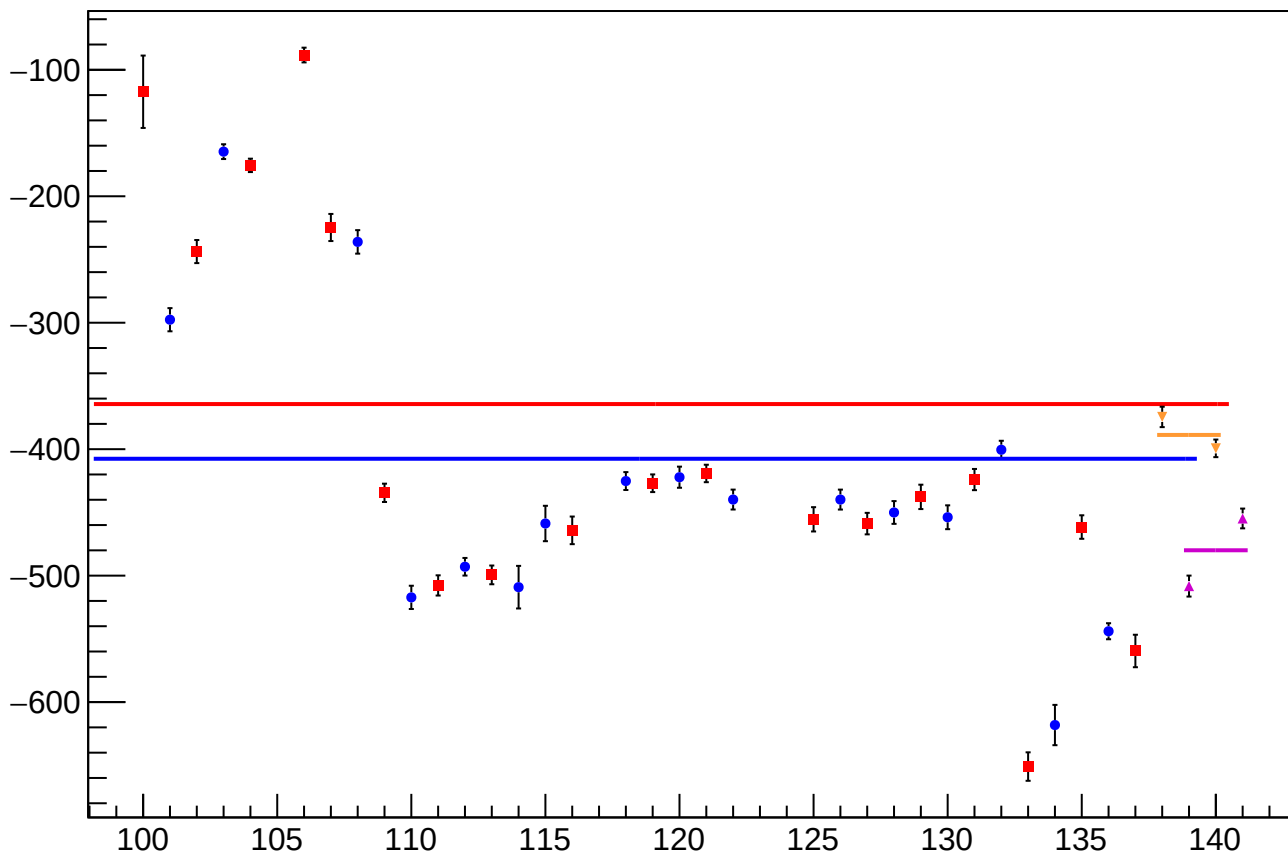
Left In: -52.661 ± 5.188 χ^2/NDF : 0.0/1

+ sign 1.162 ± 1.745 χ^2/NDF : 198.2/17

All: -2.407 ± 1.215 χ^2/NDF : 502.9/37

- sign -5.769 ± 1.693 χ^2/NDF : 296.7/19

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -407.575 $\pm$ 2.074 χ^2 /NDF: 3280.5/15

Left Out: -388.736 $\pm$ 5.267 χ^2 /NDF:5.4/1

Right Out: -364.323 $\pm$ 1.942 χ^2 /NDF: 6220.4/17

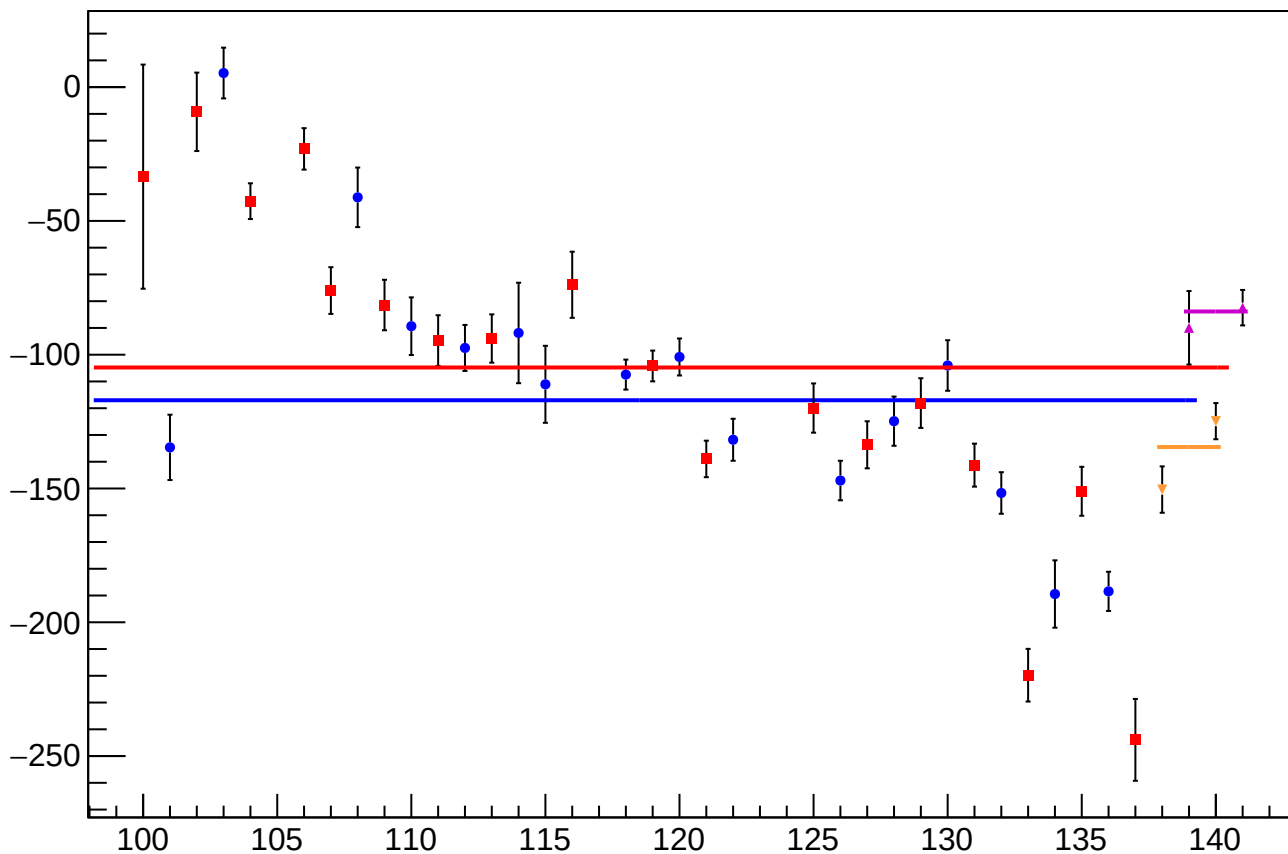
Left In: -479.945 $\pm$ 5.688 χ^2 /NDF:22.0/1

+ sign -405.046 $\pm$ 1.930 χ^2 /NDF: 3297.1/17

All: -390.027 $\pm$ 1.331 χ^2 /NDF: 10025.1/37

- sign -376.396 $\pm$ 1.838 χ^2 /NDF: 6612.4/19

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -117.021 $\pm$ 2.194 χ^2 /NDF: 407.8/15

Left Out: -134.503 $\pm$ 5.330 χ^2 /NDF: 5.4/1

Right Out: -104.780 $\pm$ 2.091 χ^2 /NDF: 575.1/17

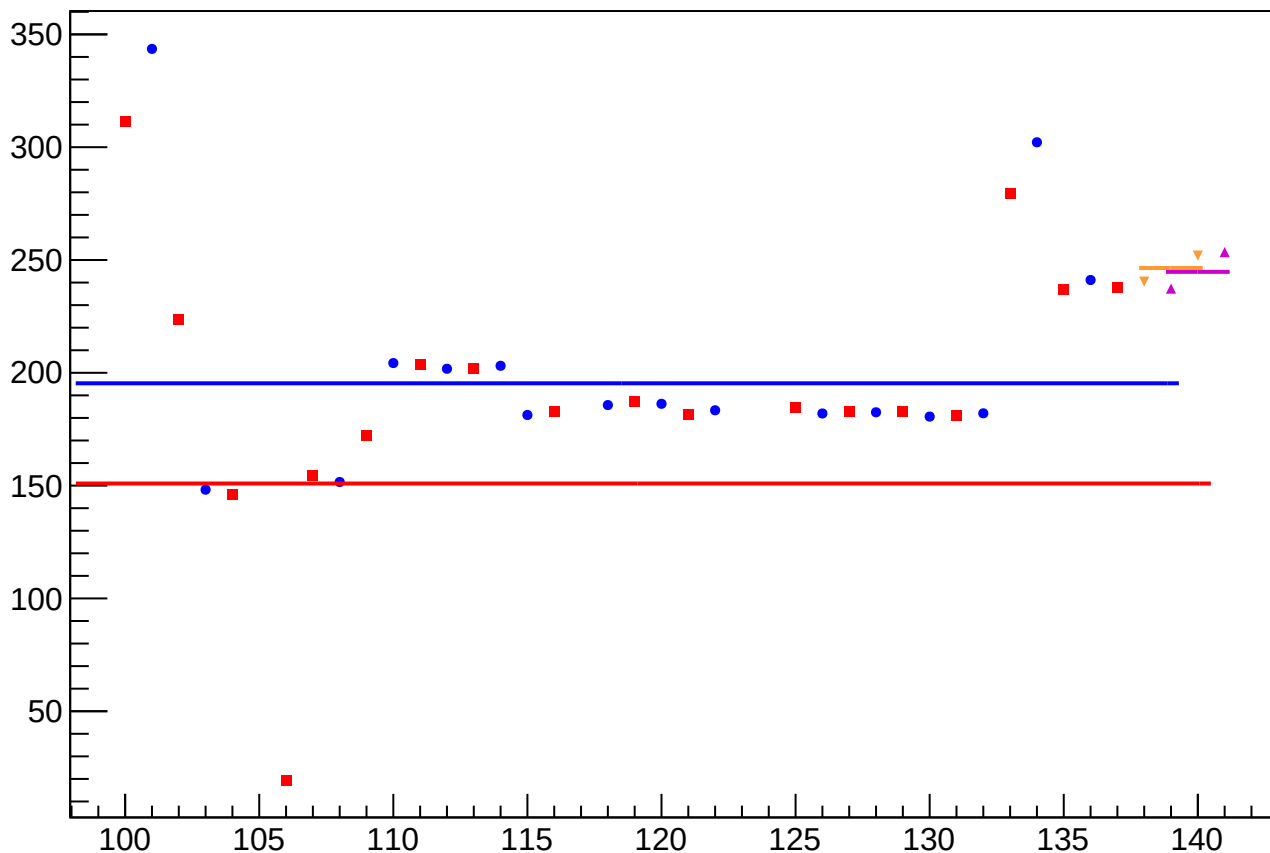
Left In: -83.846 $\pm$ 5.969 χ^2 /NDF: 0.2/1

+ sign -119.555 $\pm$ 2.029 χ^2 /NDF: 422.4/17

All: -110.785 $\pm$ 1.415 χ^2 /NDF: 1045.1/37

- sign -102.492 $\pm$ 1.973 χ^2 /NDF: 586.3/19

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 195.351+/-0.125 χ^2/NDF : 176975.5/15

Left Out: 246.453+/-0.225 χ^2/NDF : 661.4/1

Right Out: 150.932+/-0.110 χ^2/NDF : 499233.7/17

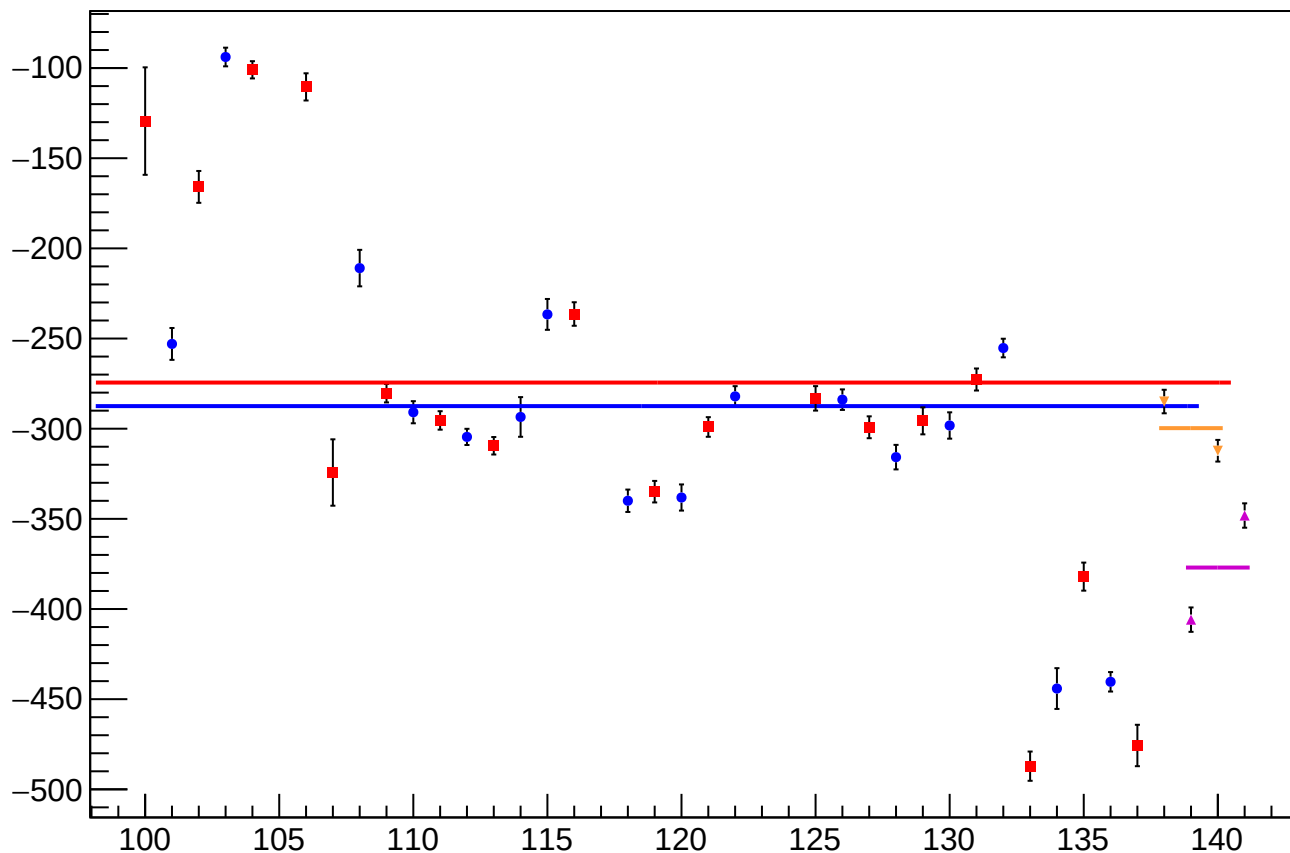
Left In: 244.756+/-0.218 χ^2/NDF : 1376.1/1

+ sign 207.388+/-0.109 χ^2/NDF : 217239.6/17

All: 186.815+/-0.073 χ^2/NDF : 930487.2/37

- sign 170.076+/-0.098 χ^2/NDF : 648596.4/19

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

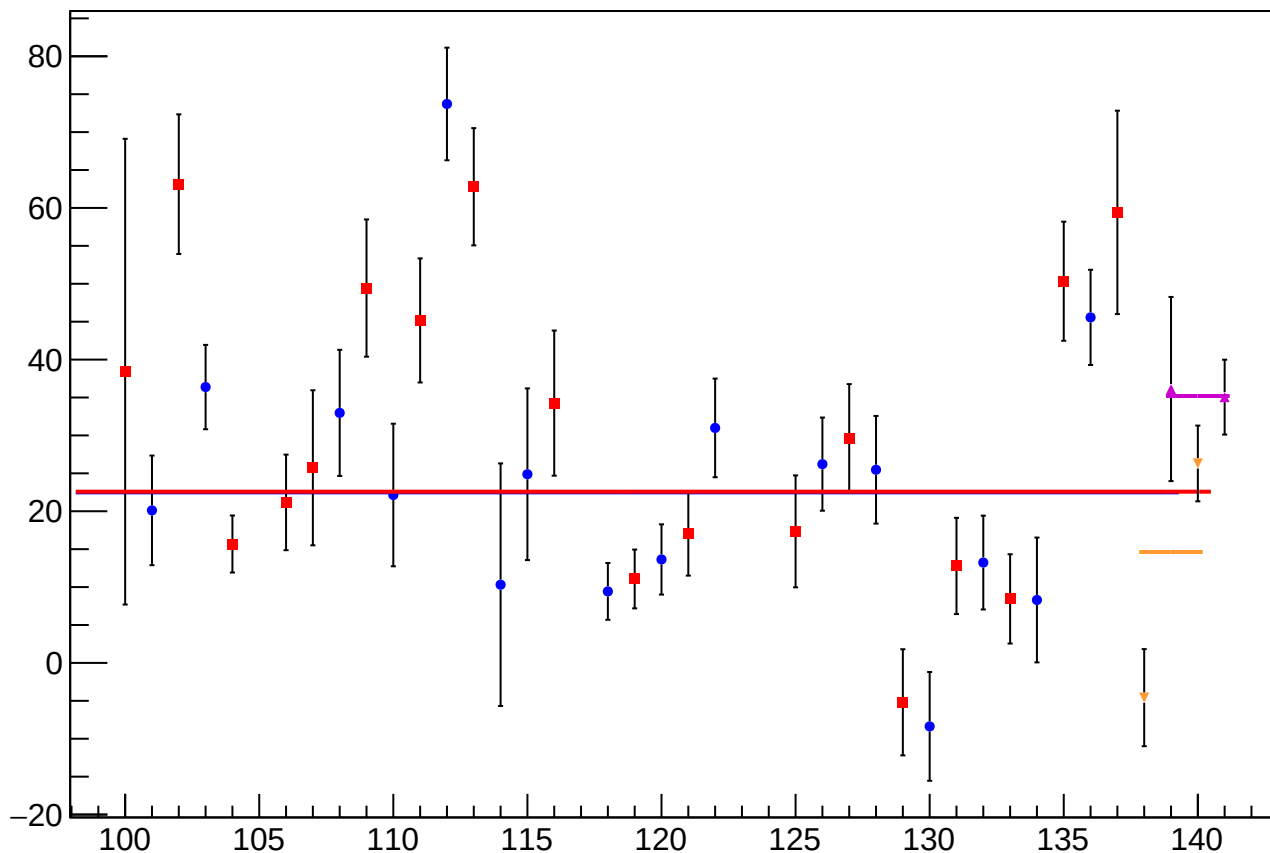
Left In: -377.009+/-4.781 χ^2/NDF : 36.5/1

+ sign -288.910+/-1.514 χ^2/NDF : 2712.7/17

All: -286.489+/-1.057 χ^2/NDF : 6584.2/37

- sign -284.190+/-1.476 χ^2/NDF : 3866.5/19

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

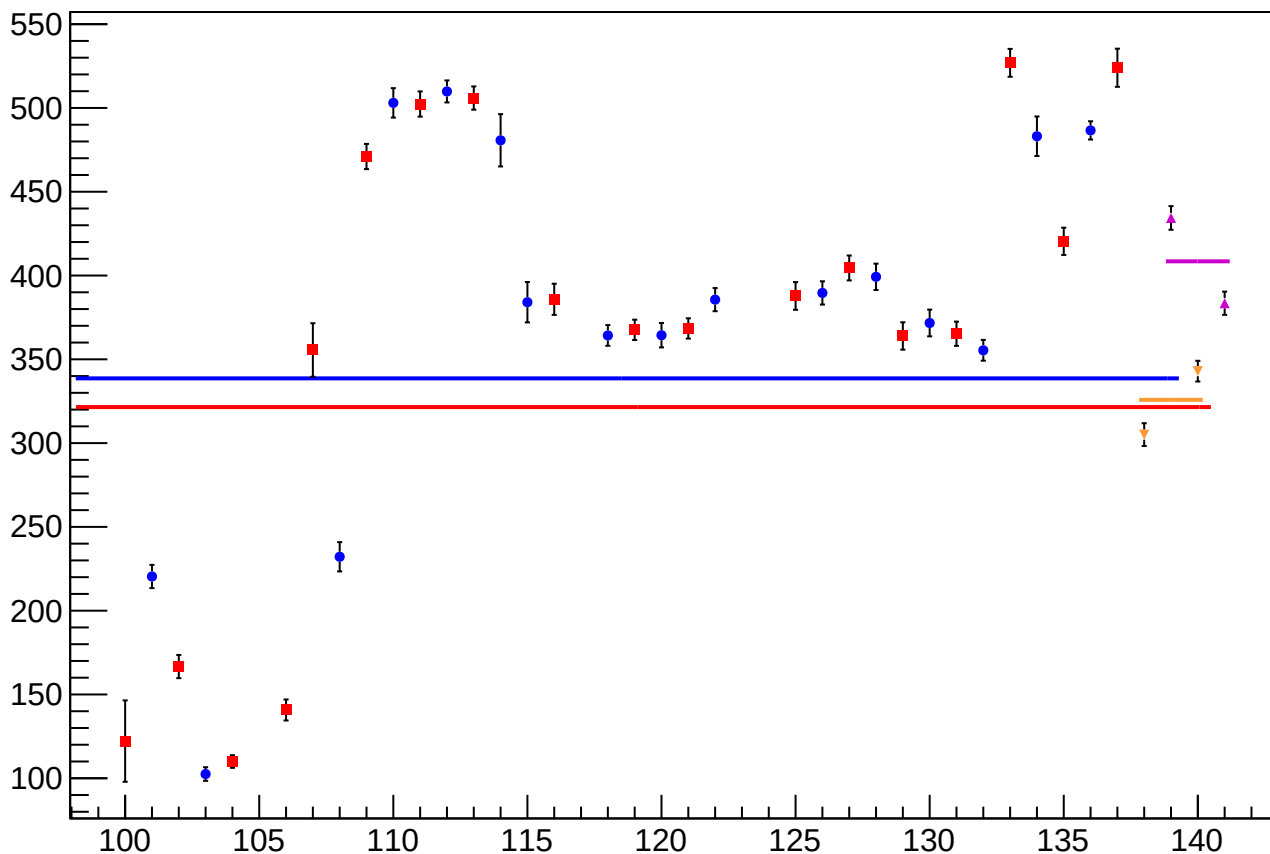
Left In: 35.200 $\pm$ 4.574 χ^2 /NDF:0.0/1

+ sign 21.353 $\pm$ 1.499 χ^2 /NDF: 129.3/17

All: 22.643 $\pm$ 1.055 χ^2 /NDF: 260.9/37

- sign 23.910 $\pm$ 1.485 χ^2 /NDF: 130.2/19

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633 $\pm$ 1.748 χ^2 /NDF: 6042.6/15

Left Out: 325.818 $\pm$ 4.574 χ^2 /NDF:17.0/1

Right Out: 321.500 $\pm$ 1.694 χ^2 /NDF: 7720.8/17

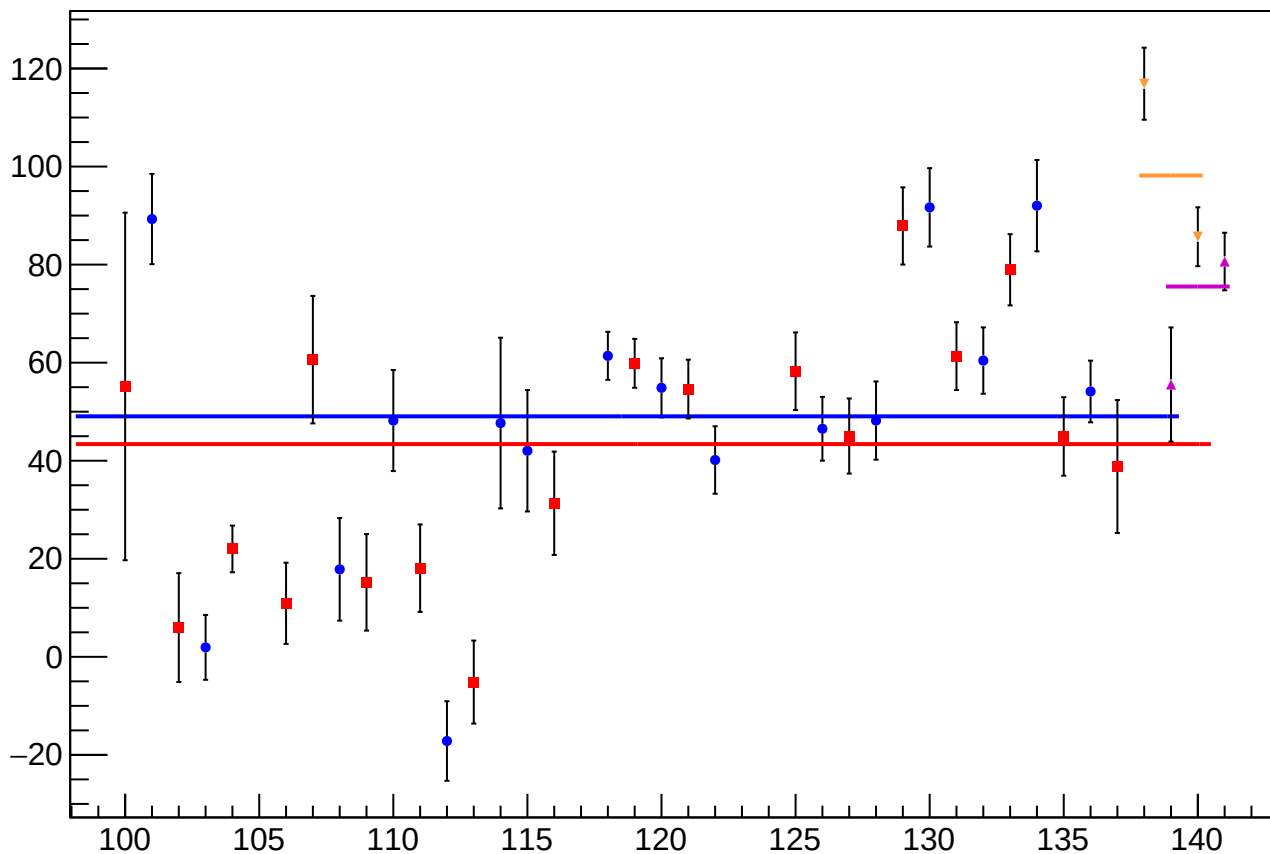
Left In: 408.485 $\pm$ 4.944 χ^2 /NDF:26.5/1

+ sign 336.999 $\pm$ 1.633 χ^2 /NDF: 6066.5/17

All: 333.760 $\pm$ 1.144 χ^2 /NDF: 14098.5/37

- sign 330.640 $\pm$ 1.603 χ^2 /NDF: 8024.3/19

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.053 $\pm$ 1.882 χ^2 /NDF: 207.9/15

Left Out: 98.173 $\pm$ 4.649 χ^2 /NDF:10.8/1

Right Out: 43.392 $\pm$ 1.834 χ^2 /NDF: 180.0/17

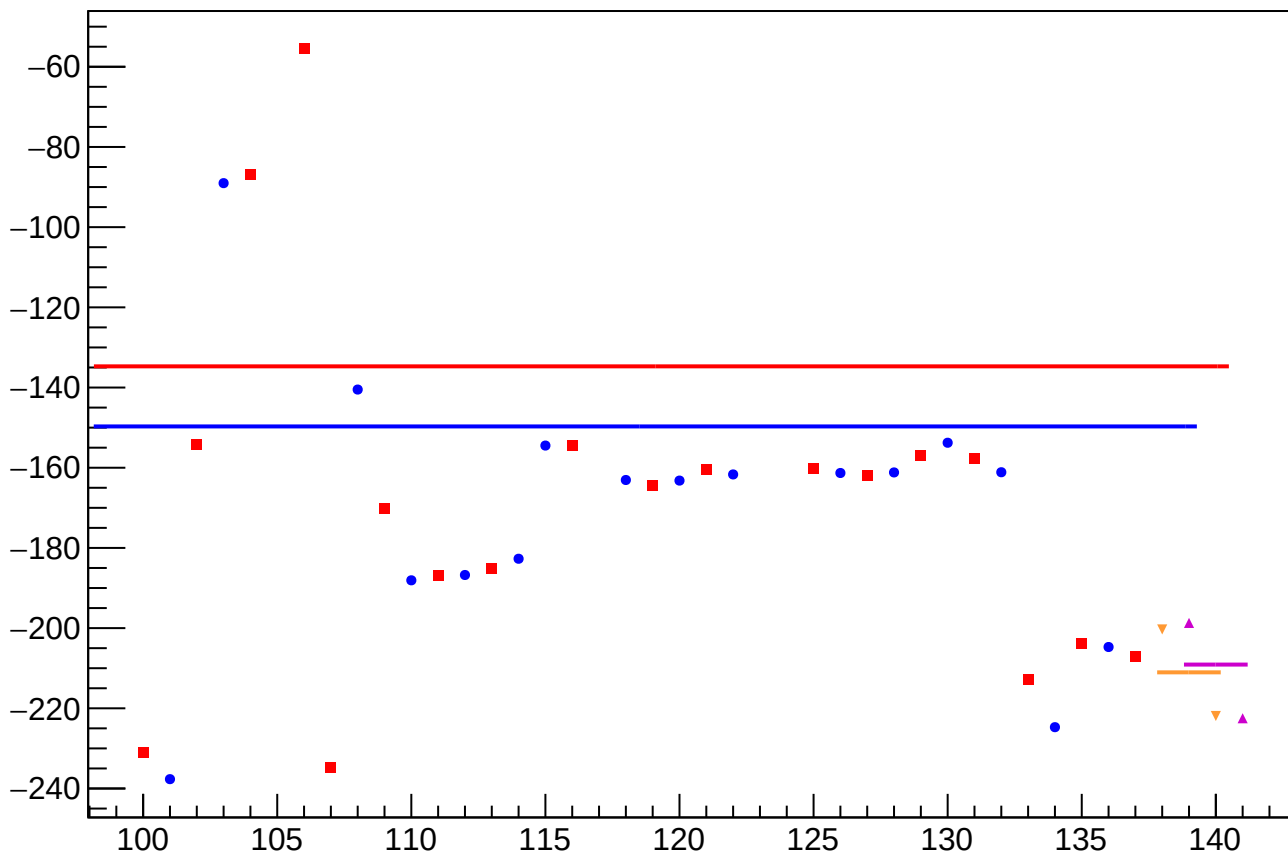
Left In: 75.530 $\pm$ 5.247 χ^2 /NDF:3.7/1

+ sign 55.972 $\pm$ 1.745 χ^2 /NDF: 314.7/17

All: 51.395 $\pm$ 1.229 χ^2 /NDF: 545.4/37

- sign 46.890 $\pm$ 1.731 χ^2 /NDF: 217.1/19

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -149.698+/-0.101 χ^2/NDF : 256472.2/15

Left Out: -211.030+/-0.194 χ^2/NDF : 3085.0/1

Right Out: -134.715+/-0.097 χ^2/NDF : 312639.8/17

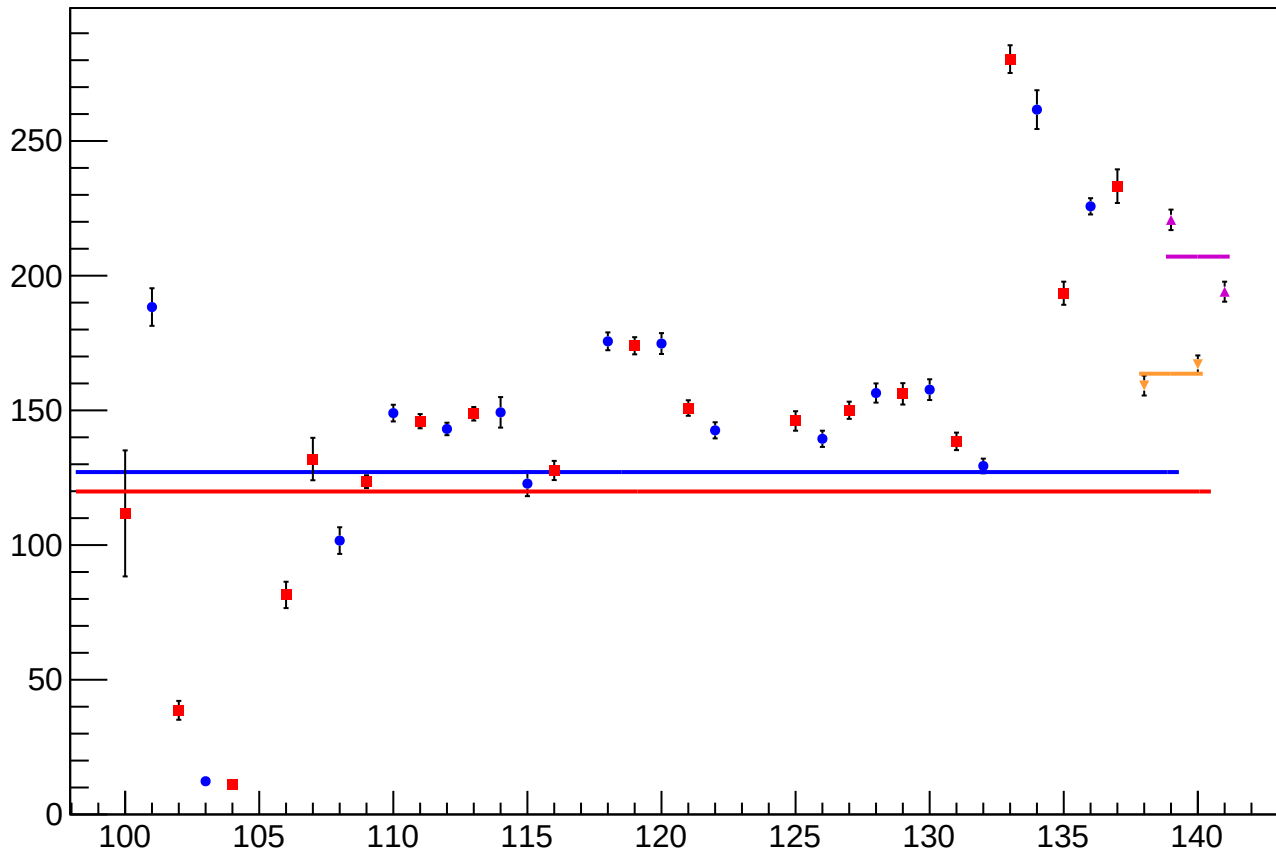
Left In: -209.093+/-0.188 χ^2/NDF : 3925.7/1

+ sign -162.708+/-0.089 χ^2/NDF : 338056.3/17

All: -156.284+/-0.062 χ^2/NDF : 787931.0/37

- sign -150.320+/-0.086 χ^2/NDF : 439937.8/19

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100 $\pm$ 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

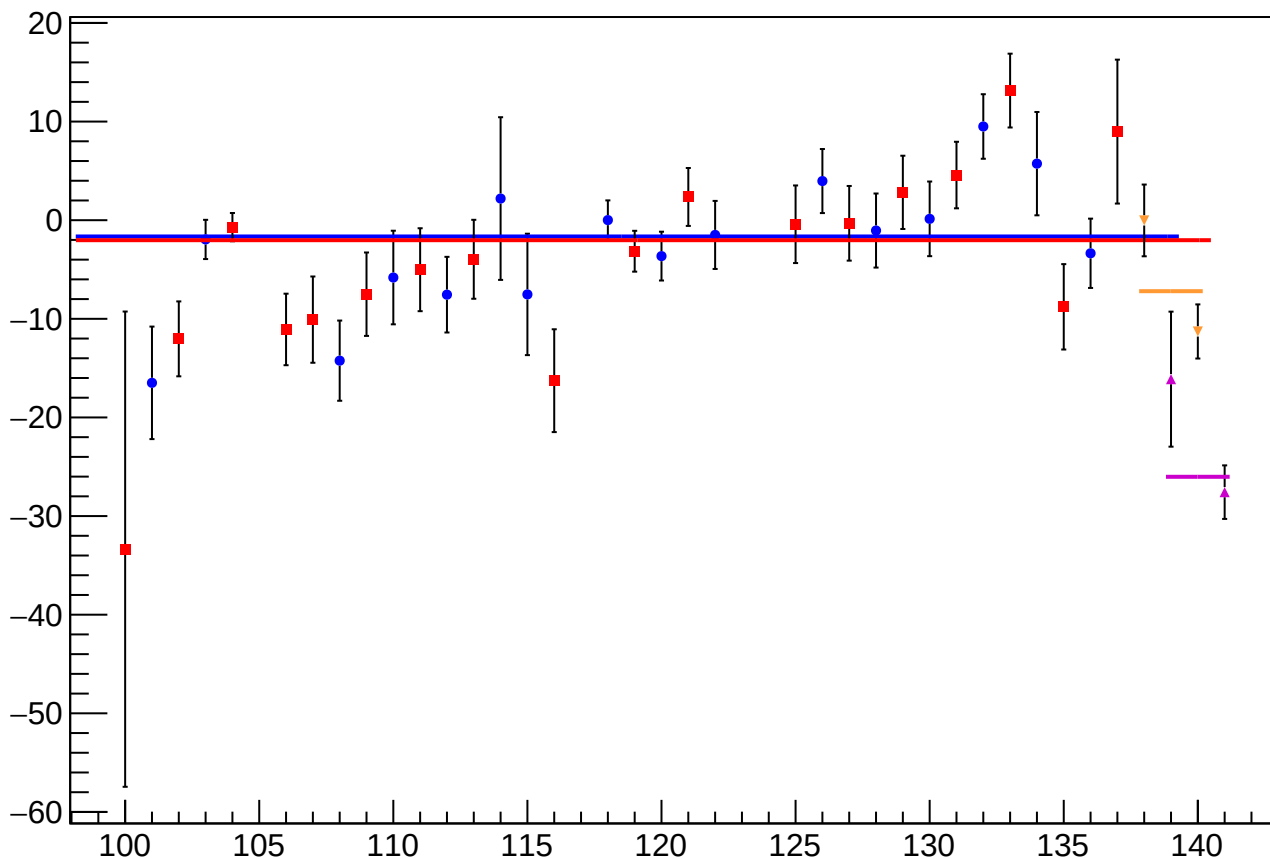
Left In: 207.081 $\pm$ 2.658 χ^2 /NDF: 25.1/1

+ sign 130.662 $\pm$ 0.770 χ^2 /NDF: 6363.6/17

All: 128.613 $\pm$ 0.535 χ^2 /NDF: 14043.8/37

- sign 126.705 $\pm$ 0.743 χ^2 /NDF: 7666.6/19

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

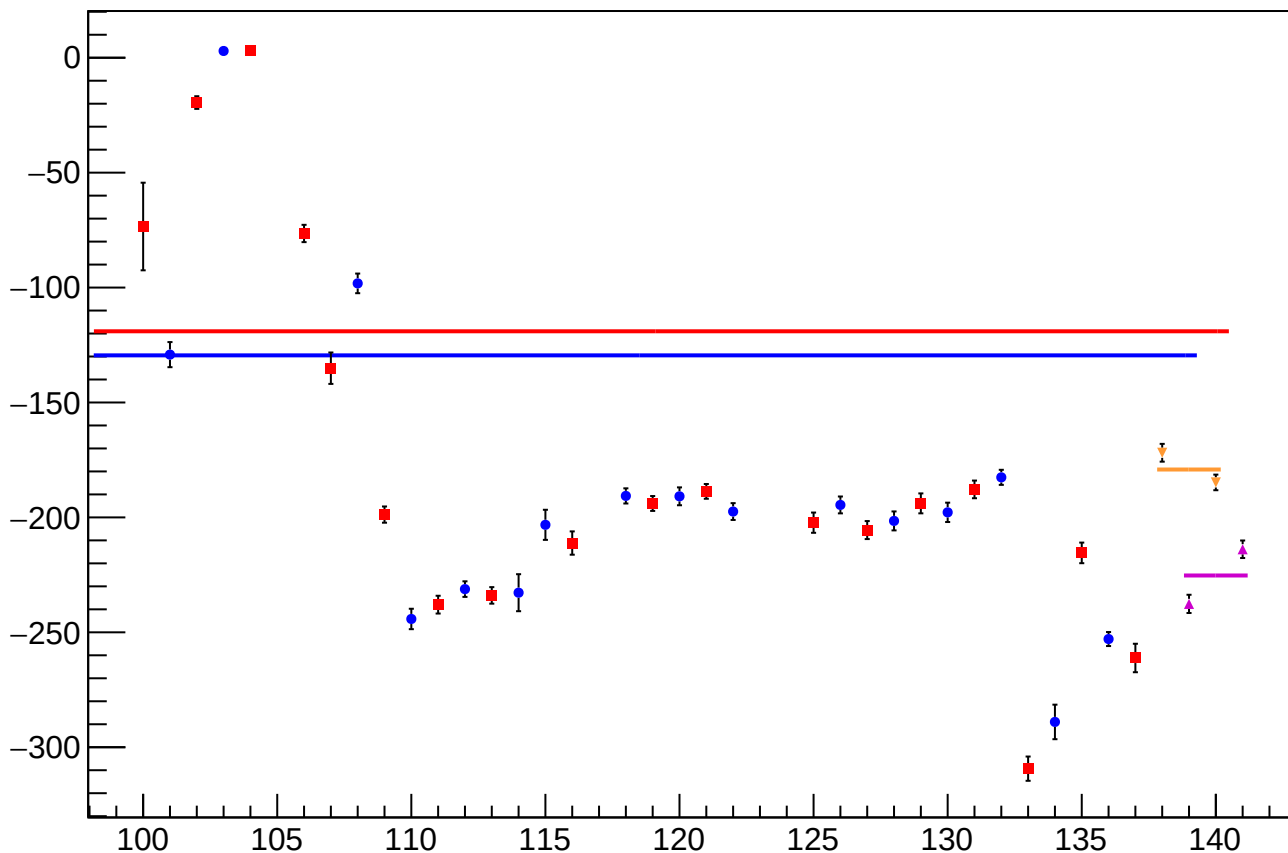
Left In: -26.018 ± 2.524 χ^2/NDF : 2.4/1

+ sign -2.352 ± 0.778 χ^2/NDF : 50.8/17

All: -3.259 ± 0.535 χ^2/NDF : 197.0/37

- sign -4.071 ± 0.737 χ^2/NDF : 143.7/19

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497 $\pm$ 0.846 χ^2 /NDF: 14687.9/15

Left Out: -179.165 $\pm$ 2.552 χ^2 /NDF:6.3/1

Right Out: -119.022 $\pm$ 0.813 χ^2 /NDF: 16177.3/17

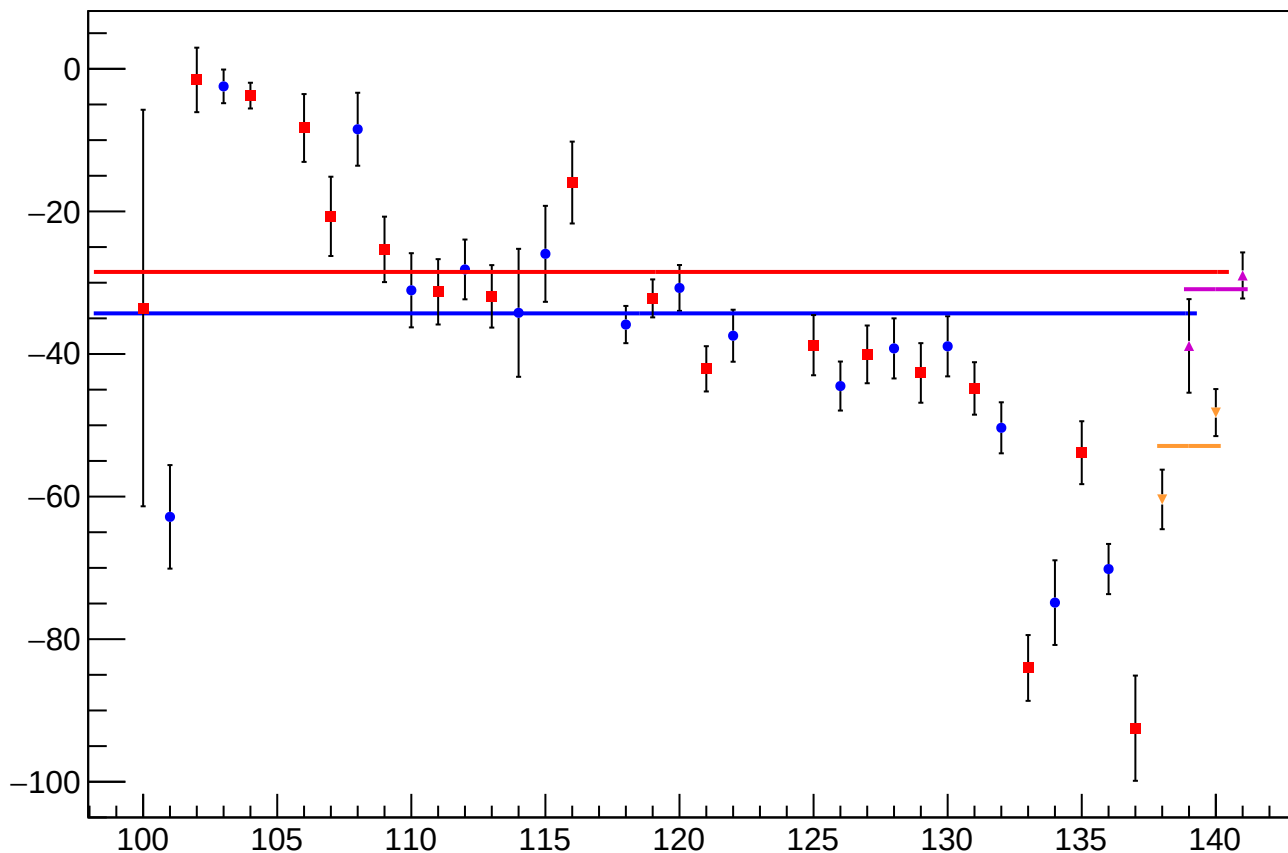
Left In: -225.275 $\pm$ 2.748 χ^2 /NDF:18.7/1

+ sign -134.419 $\pm$ 0.803 χ^2 /NDF: 15035.4/17

All: -130.891 $\pm$ 0.559 χ^2 /NDF: 32643.6/37

- sign -127.570 $\pm$ 0.779 χ^2 /NDF: 17570.7/19

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -34.301 ± 0.968 $\chi^2/\text{NDF}: 411.3/15$

Left Out: -52.898 ± 2.589 $\chi^2/\text{NDF}: 5.2/1$

Right Out: -28.488 ± 0.907 $\chi^2/\text{NDF}: 568.0/17$

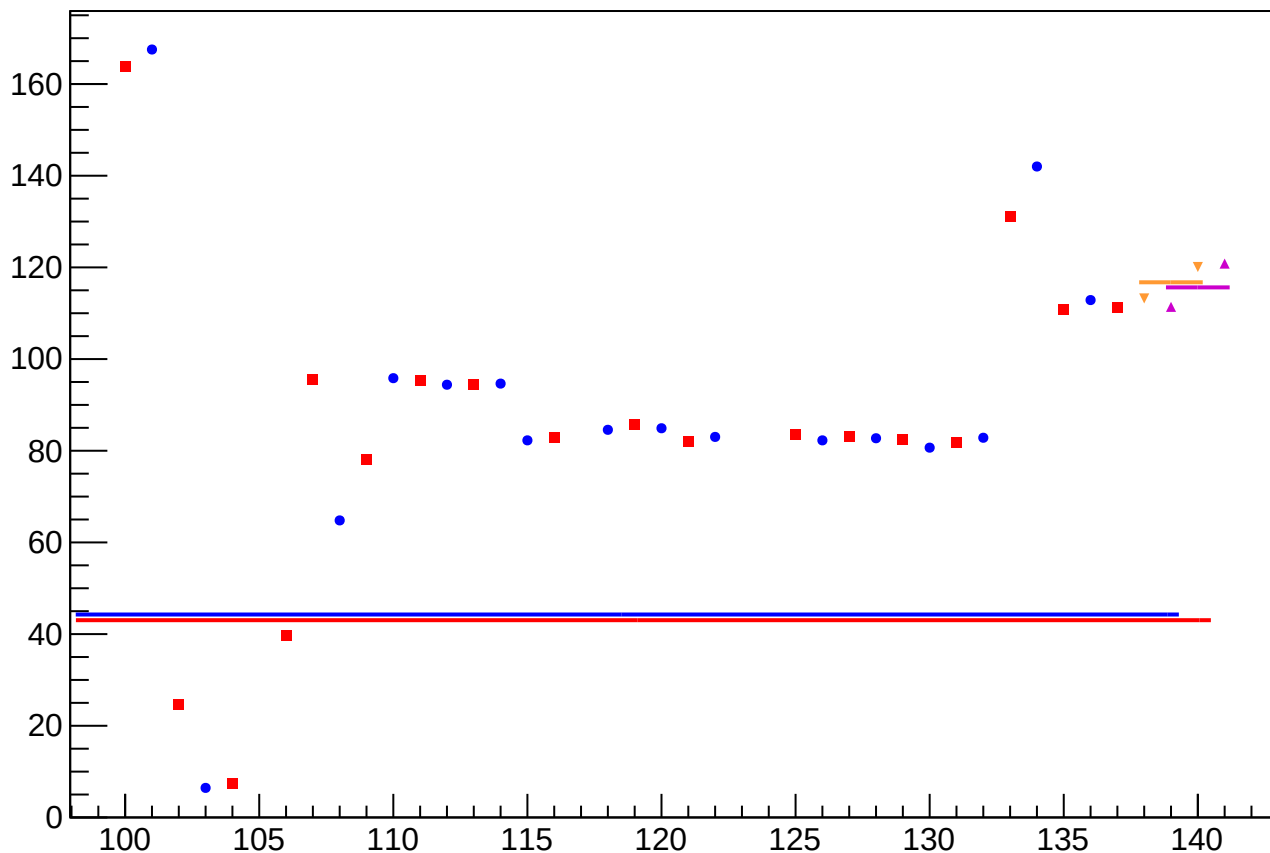
Left In: -30.910 ± 2.899 $\chi^2/\text{NDF}: 1.8/1$

+ sign -36.581 ± 0.906 $\chi^2/\text{NDF}: 461.8/17$

All: -32.460 ± 0.626 $\chi^2/\text{NDF}: 1071.8/37$

- sign -28.704 ± 0.866 $\chi^2/\text{NDF}: 570.5/19$

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

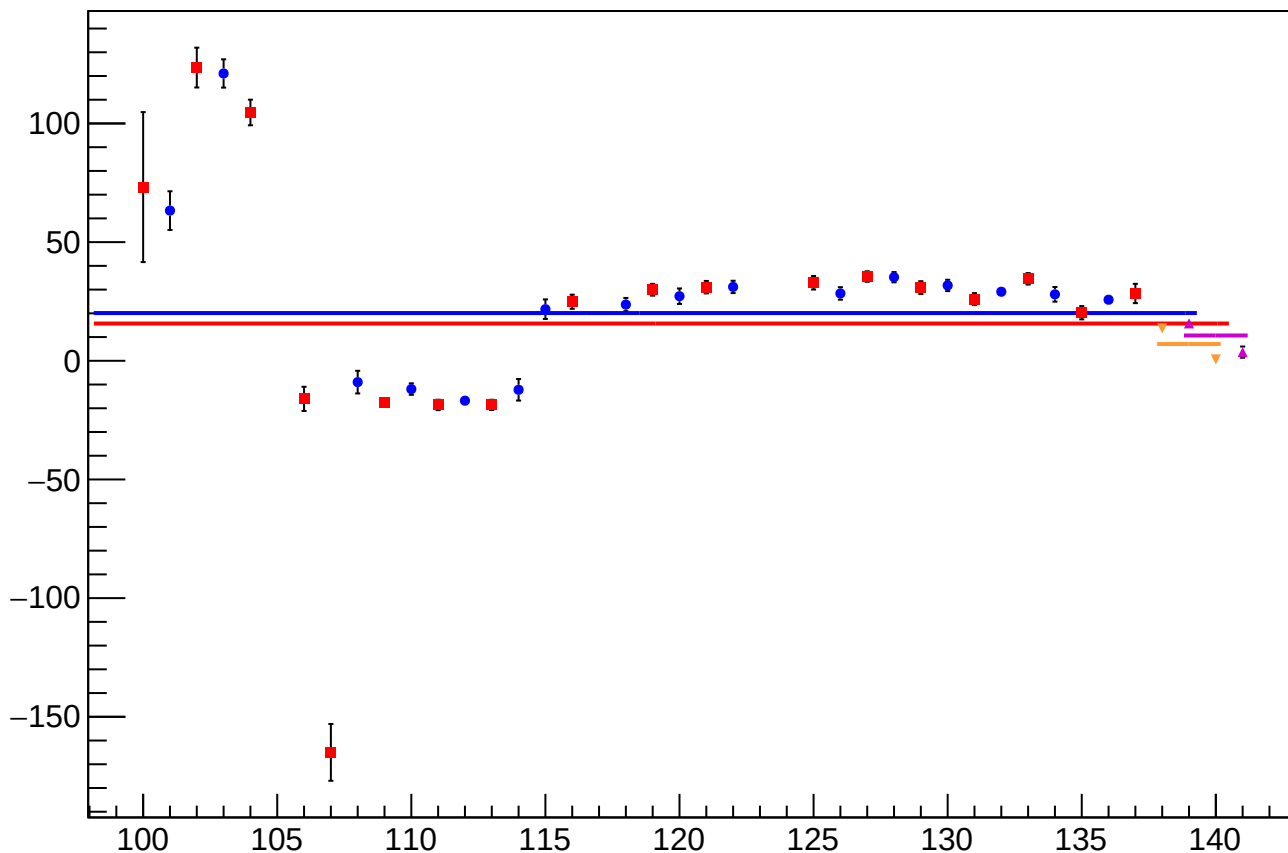
Left In: 115.637+/-0.105 χ^2/NDF : 2001.5/1

+ sign 54.875+/-0.042 χ^2/NDF : 1466493.4/17

All: 54.602+/-0.029 χ^2/NDF : 2678066.4/37

- sign 54.331+/-0.041 χ^2/NDF : 1211486.9/19

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117 ± 0.687 $\chi^2/\text{NDF}: 1048.1/15$

Left Out: 7.060 ± 1.471 $\chi^2/\text{NDF}: 19.8/1$

Right Out: 15.700 ± 0.682 $\chi^2/\text{NDF}: 1773.8/17$

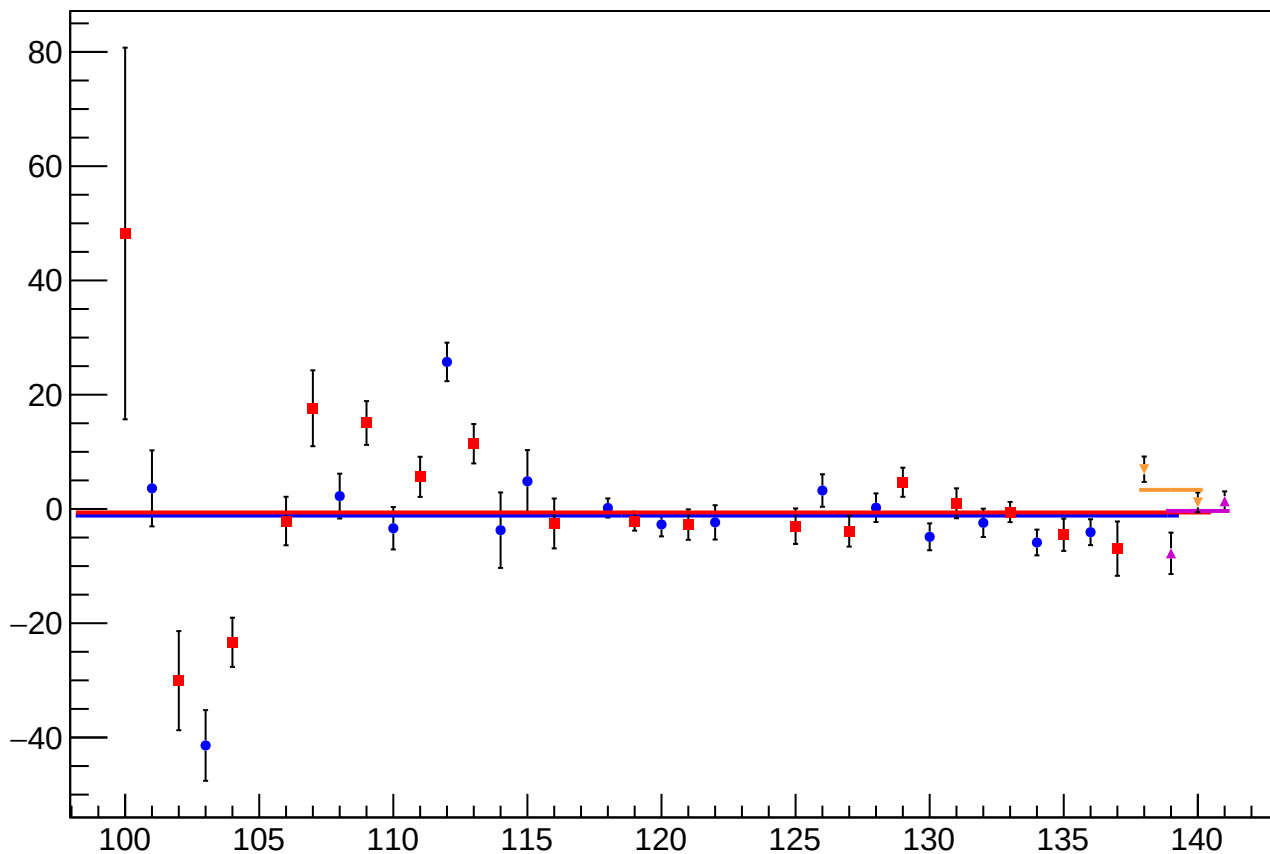
Left In: 10.661 ± 1.527 $\chi^2/\text{NDF}: 15.4/1$

+ sign 17.779 ± 0.623 $\chi^2/\text{NDF}: 1132.6/17$

All: 16.321 ± 0.440 $\chi^2/\text{NDF}: 2941.8/37$

- sign 14.862 ± 0.623 $\chi^2/\text{NDF}: 1798.2/19$

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

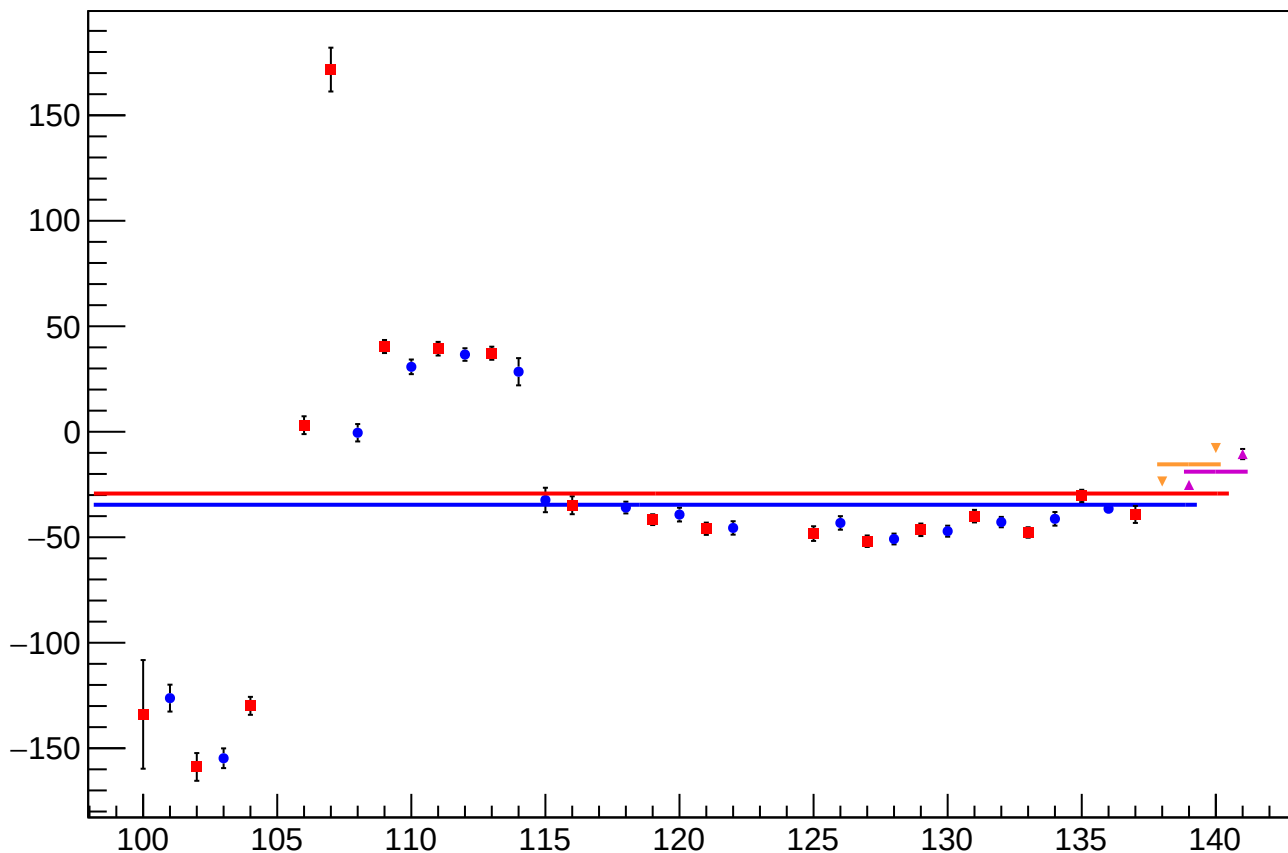
Left In: -0.344 ± 1.562 χ^2/NDF : 5.1/1

+ sign -0.221 ± 0.623 χ^2/NDF : 134.6/17

All: -0.387 ± 0.449 χ^2/NDF : 233.3/37

- sign -0.568 ± 0.649 χ^2/NDF : 98.5/19

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

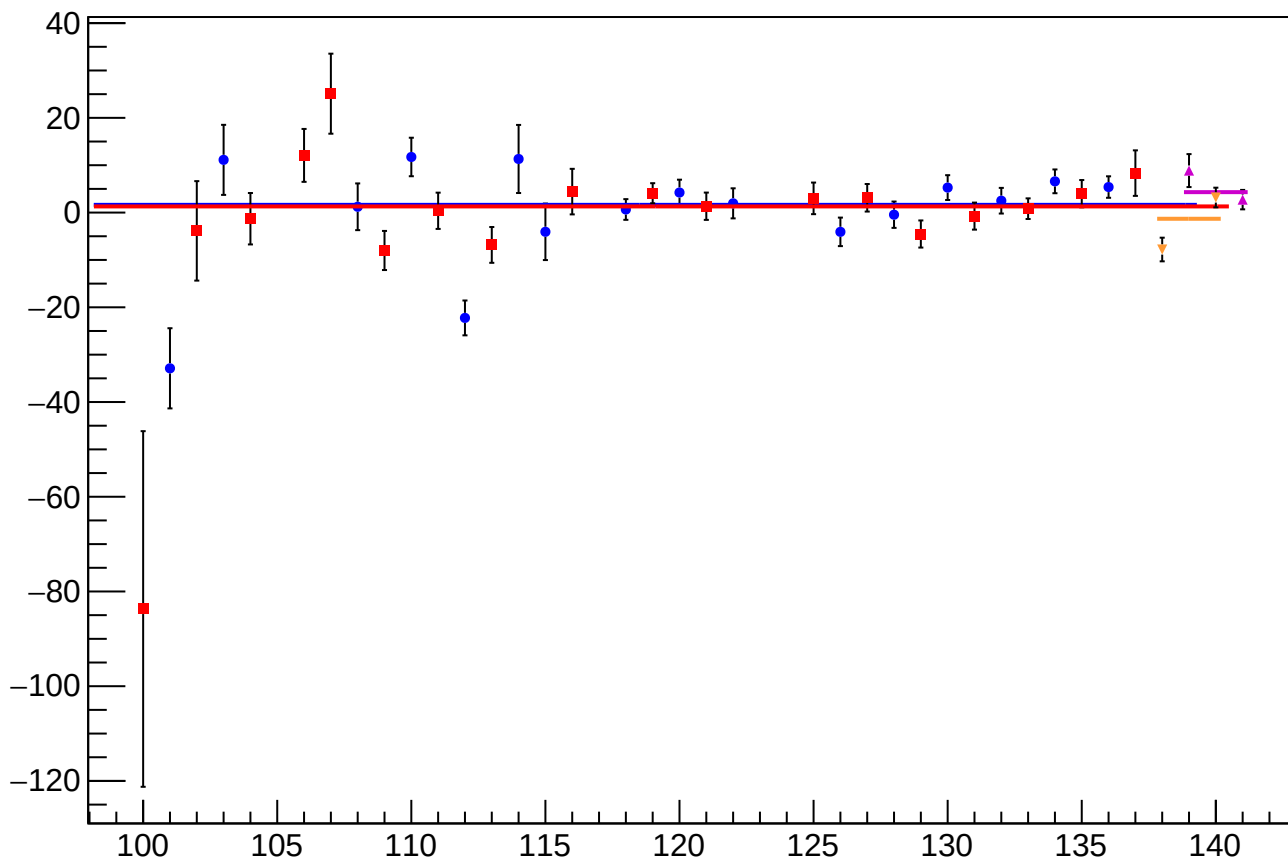
Left In: -18.922 ± 1.580 χ^2/NDF : 21.0/1

+ sign -30.573 ± 0.699 χ^2/NDF : 2210.3/17

All: -28.905 ± 0.499 χ^2/NDF : 5358.2/37

- sign -27.166 ± 0.714 χ^2/NDF : 3136.3/19

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

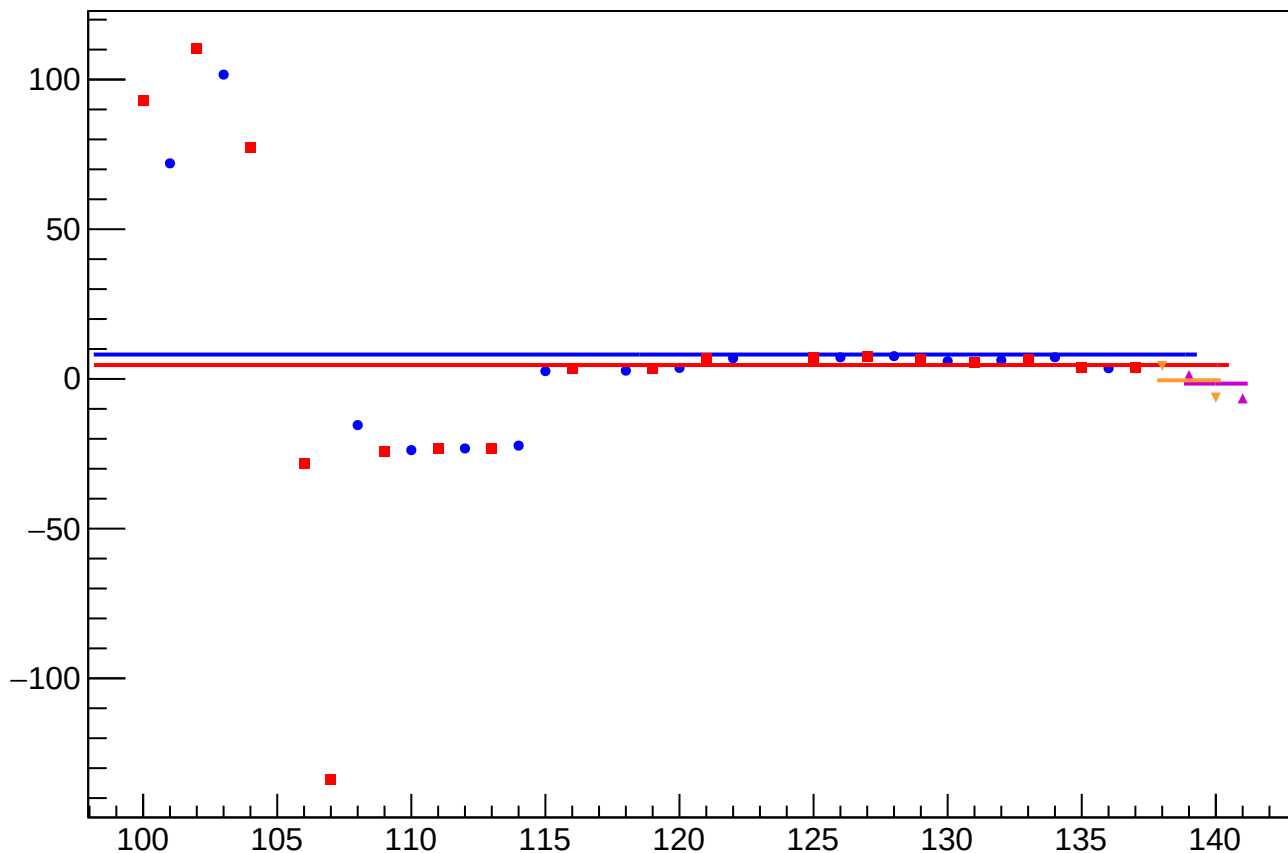
Left In: 4.314 ± 1.767 χ^2/NDF : 2.3/1

+ sign 1.044 ± 0.713 χ^2/NDF : 97.4/17

All: 1.421 ± 0.514 χ^2/NDF : 140.3/37

- sign 1.829 ± 0.741 χ^2/NDF : 42.2/19

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 8.146 ± 0.048 χ^2/NDF : 313350.7/15

Left Out: -0.453 ± 0.063 χ^2/NDF : 6951.1/1

Right Out: 4.638 ± 0.052 χ^2/NDF : 446805.7/17

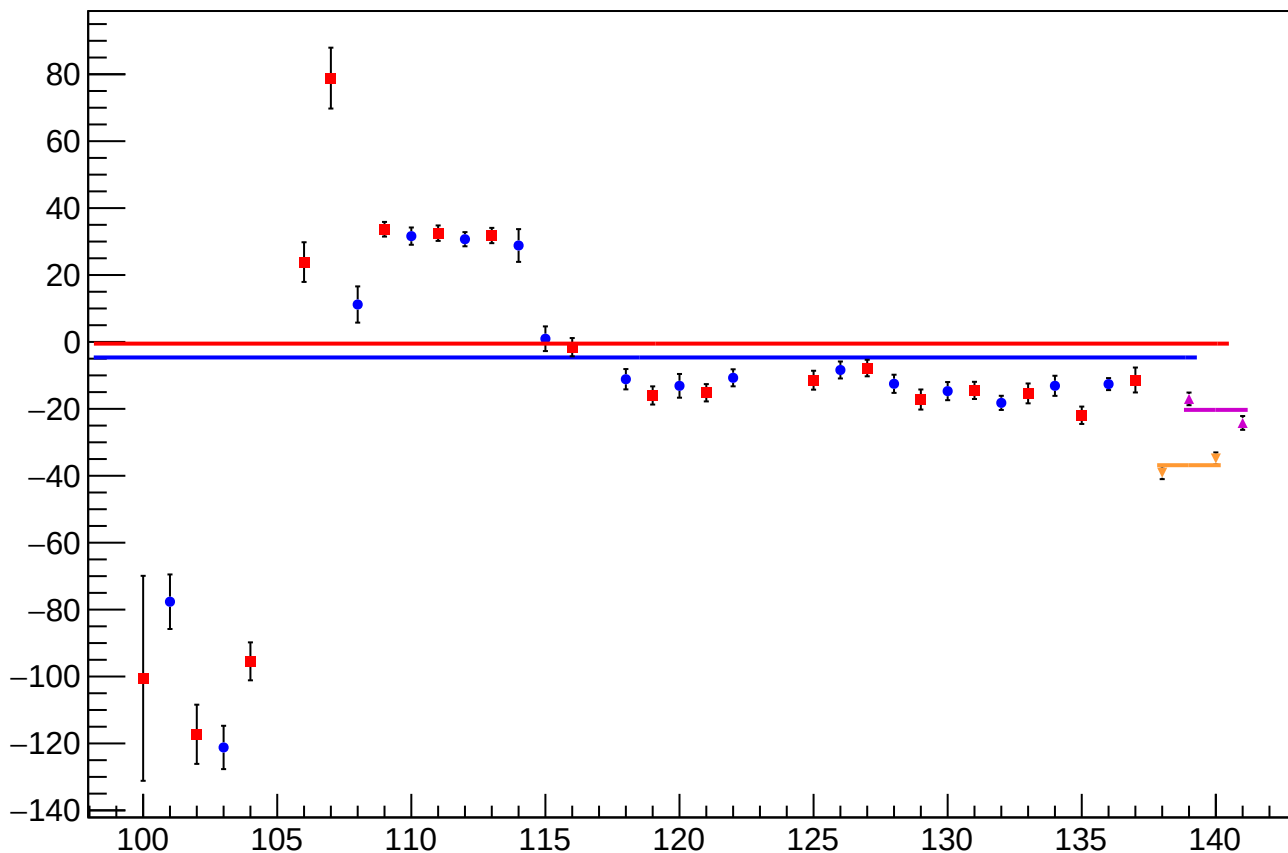
Left In: -1.559 ± 0.059 χ^2/NDF : 3994.3/1

+ sign 4.981 ± 0.038 χ^2/NDF : 331931.9/17

All: 3.499 ± 0.027 χ^2/NDF : 791931.7/37

- sign 1.973 ± 0.039 χ^2/NDF : 456983.7/19

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

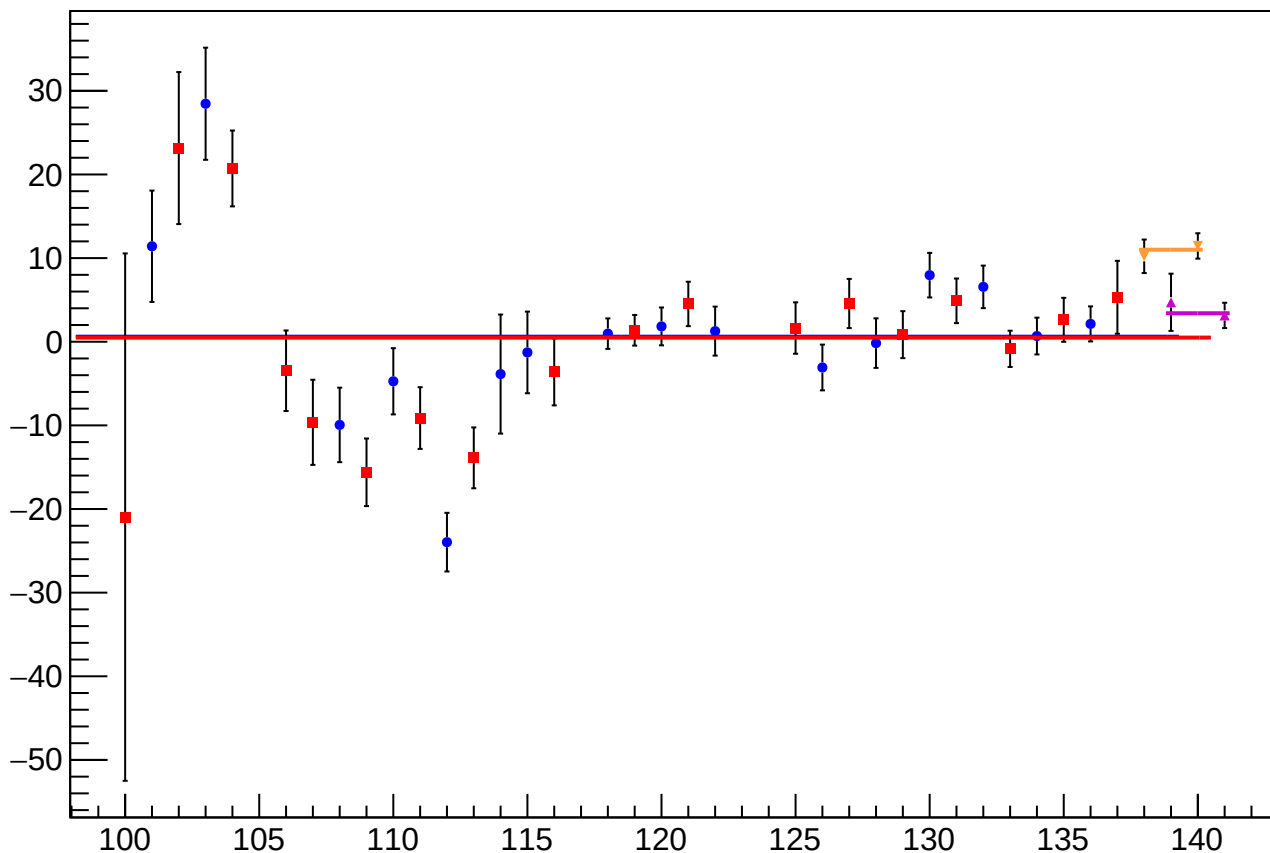
Left In: -20.307 ± 1.395 χ^2/NDF : 6.6/1

+ sign -11.885 ± 0.626 χ^2/NDF : 1509.6/17

All: -8.277 ± 0.445 χ^2/NDF : 3201.1/37

- sign -4.588 ± 0.633 χ^2/NDF : 1624.4/19

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.602 ± 0.727 χ^2/NDF : 92.9/15

Left Out: 11.003 ± 1.210 χ^2/NDF : 0.2/1

Right Out: 0.496 ± 0.755 χ^2/NDF : 80.2/17

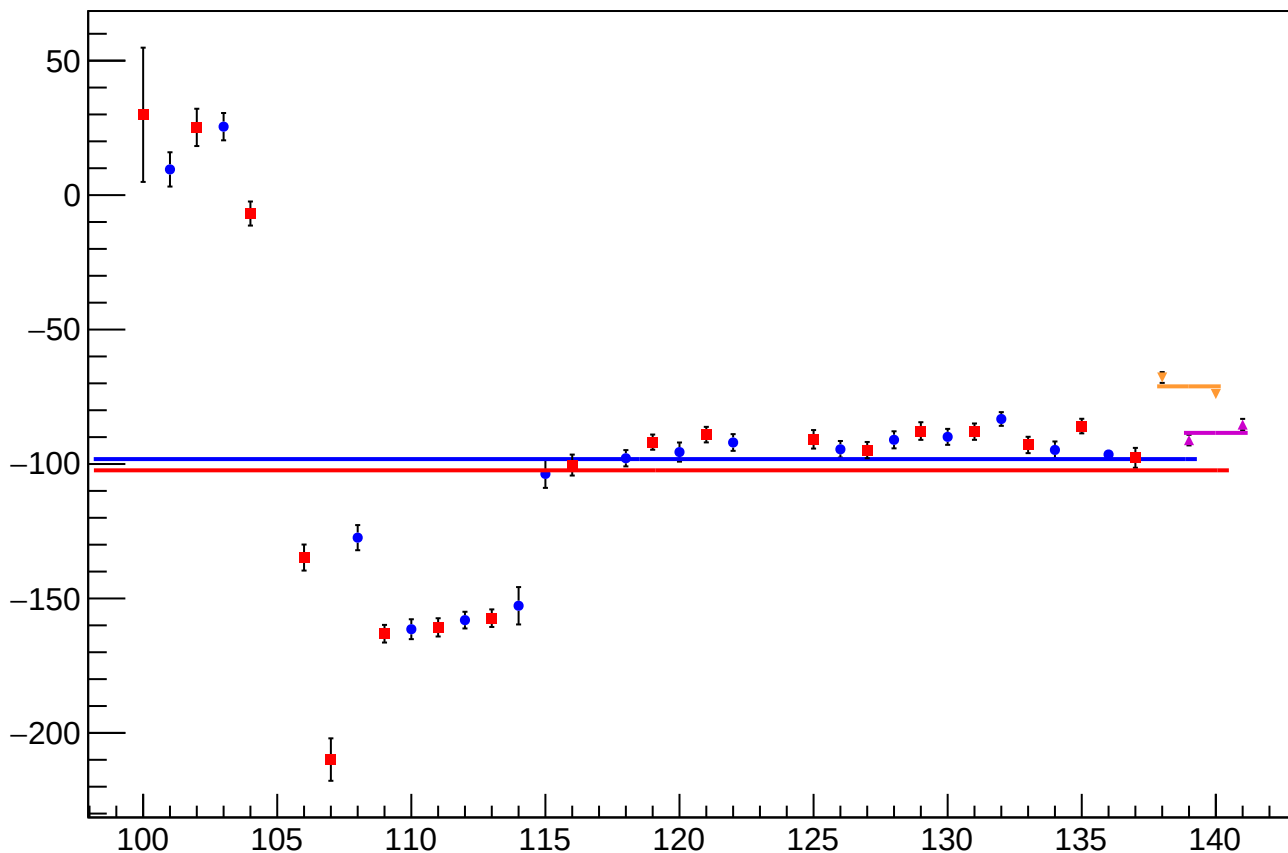
Left In: 3.406 ± 1.385 χ^2/NDF : 0.2/1

+ sign 3.361 ± 0.623 χ^2/NDF : 147.4/17

All: 2.329 ± 0.454 χ^2/NDF : 237.0/37

- sign 1.162 ± 0.663 χ^2/NDF : 83.7/19

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

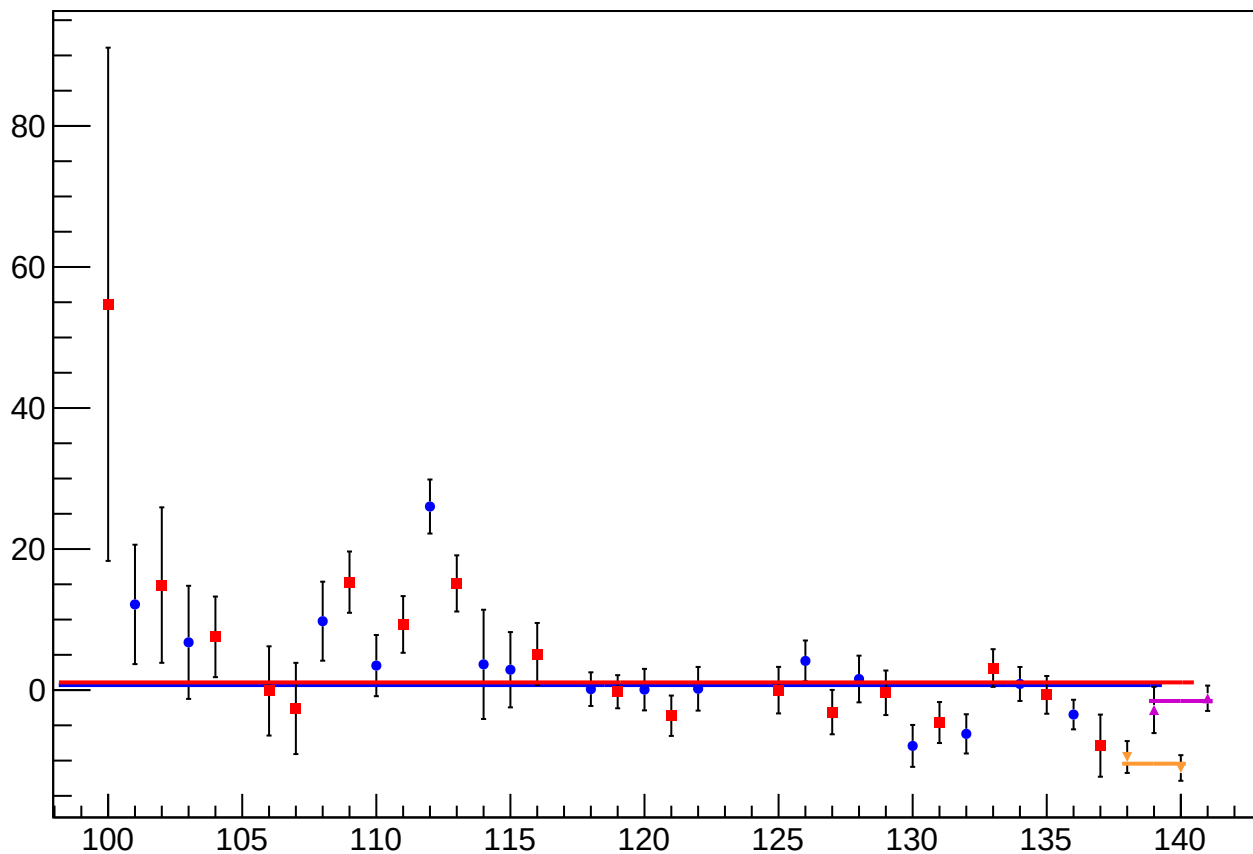
Left In: -88.423 ± 1.443 χ^2/NDF : 4.0/1

+ sign -91.111 ± 0.699 χ^2/NDF : 1993.9/17

All: -94.840 ± 0.503 χ^2/NDF : 4244.2/37

- sign -98.843 ± 0.724 χ^2/NDF : 2191.2/19

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

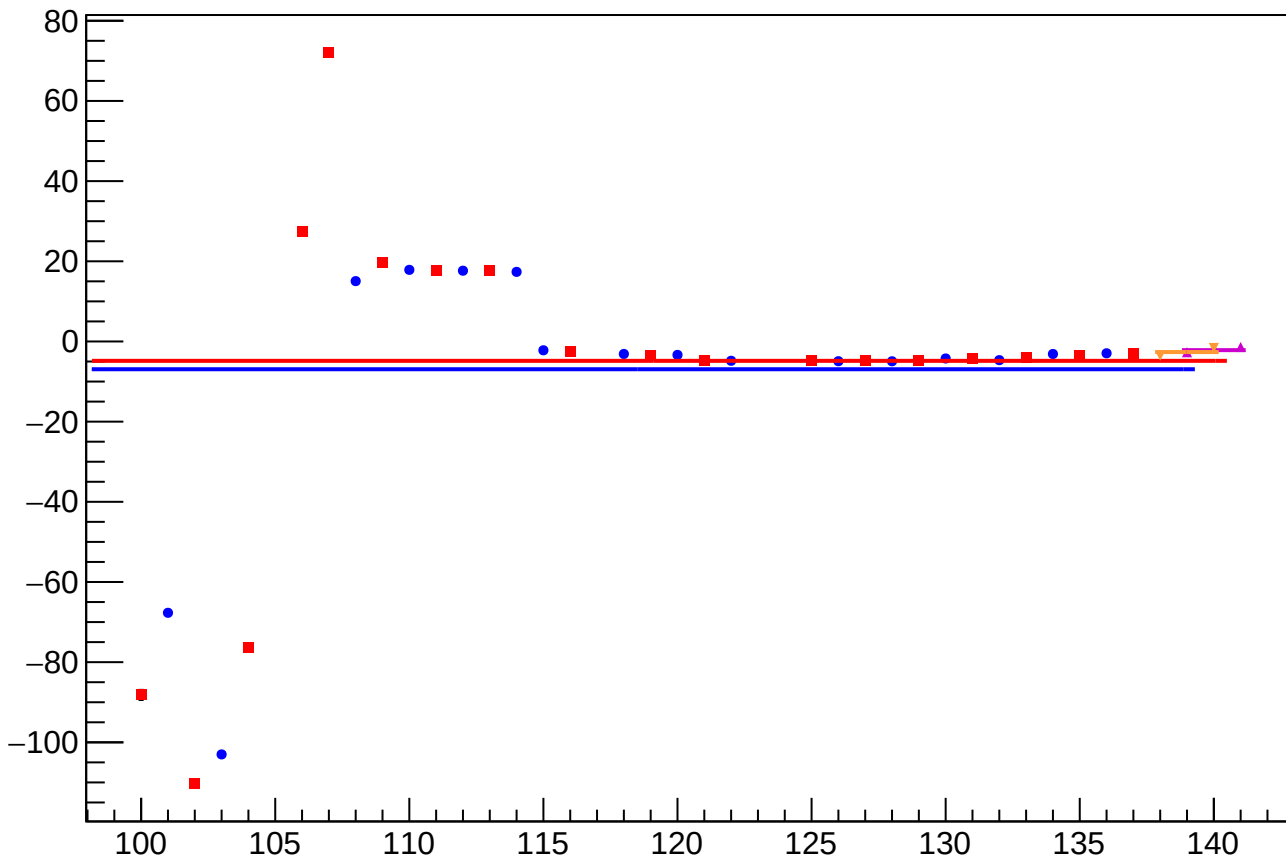
Left In: -1.545 ± 1.576 χ^2/NDF : 0.2/1

+ sign -2.093 ± 0.711 χ^2/NDF : 116.2/17

All: -0.877 ± 0.517 χ^2/NDF : 172.5/37

- sign 0.488 ± 0.753 χ^2/NDF : 50.0/19

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

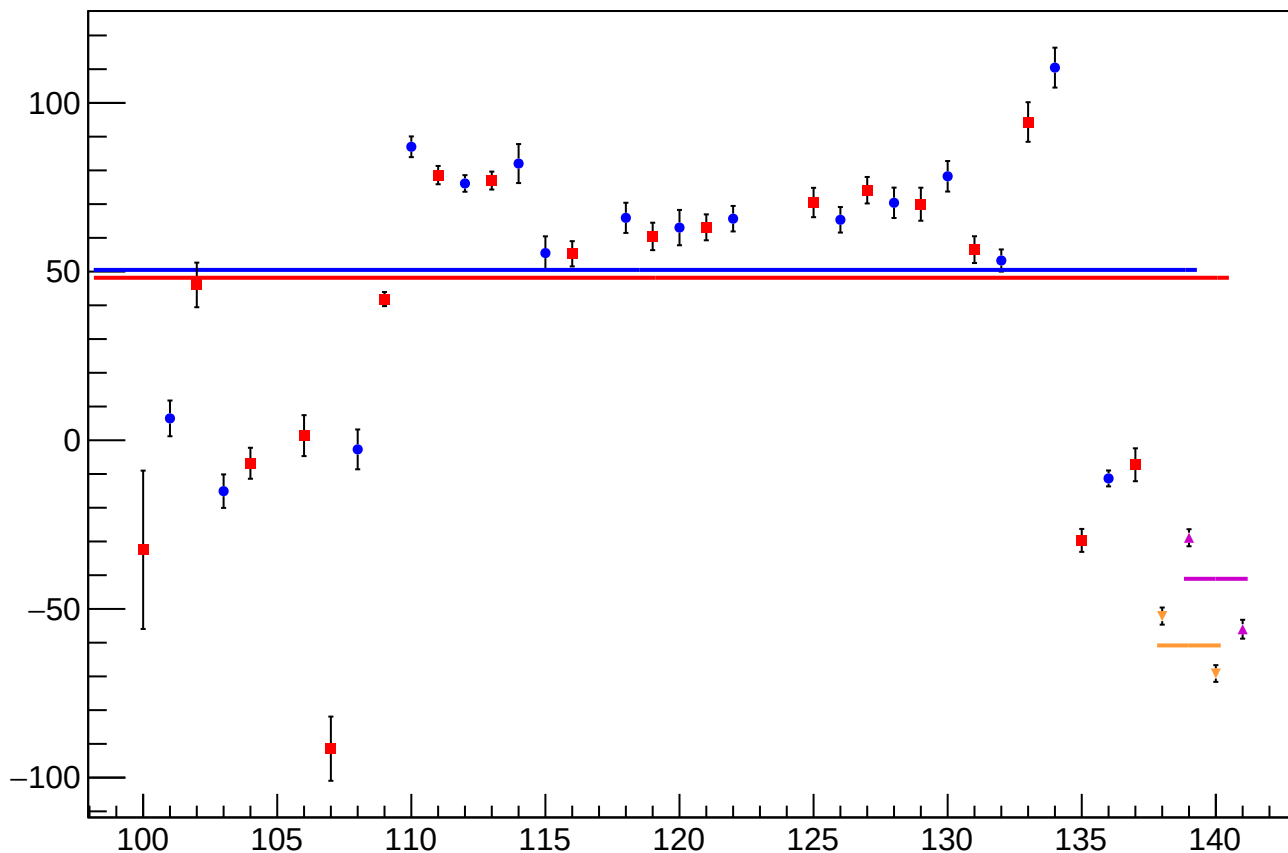
Left In: -2.163+/-0.055 χ^2/NDF : 139.4/1

+ sign -5.134+/-0.037 χ^2/NDF : 268741.5/17

All: -4.358+/-0.026 χ^2/NDF : 610382.0/37

- sign -3.542+/-0.038 χ^2/NDF : 340738.7/19

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF : 1503.6/15

Left Out: -60.819+/-1.774 χ^2/NDF : 23.0/1

Right Out: 48.172+/-0.914 χ^2/NDF : 1519.5/17

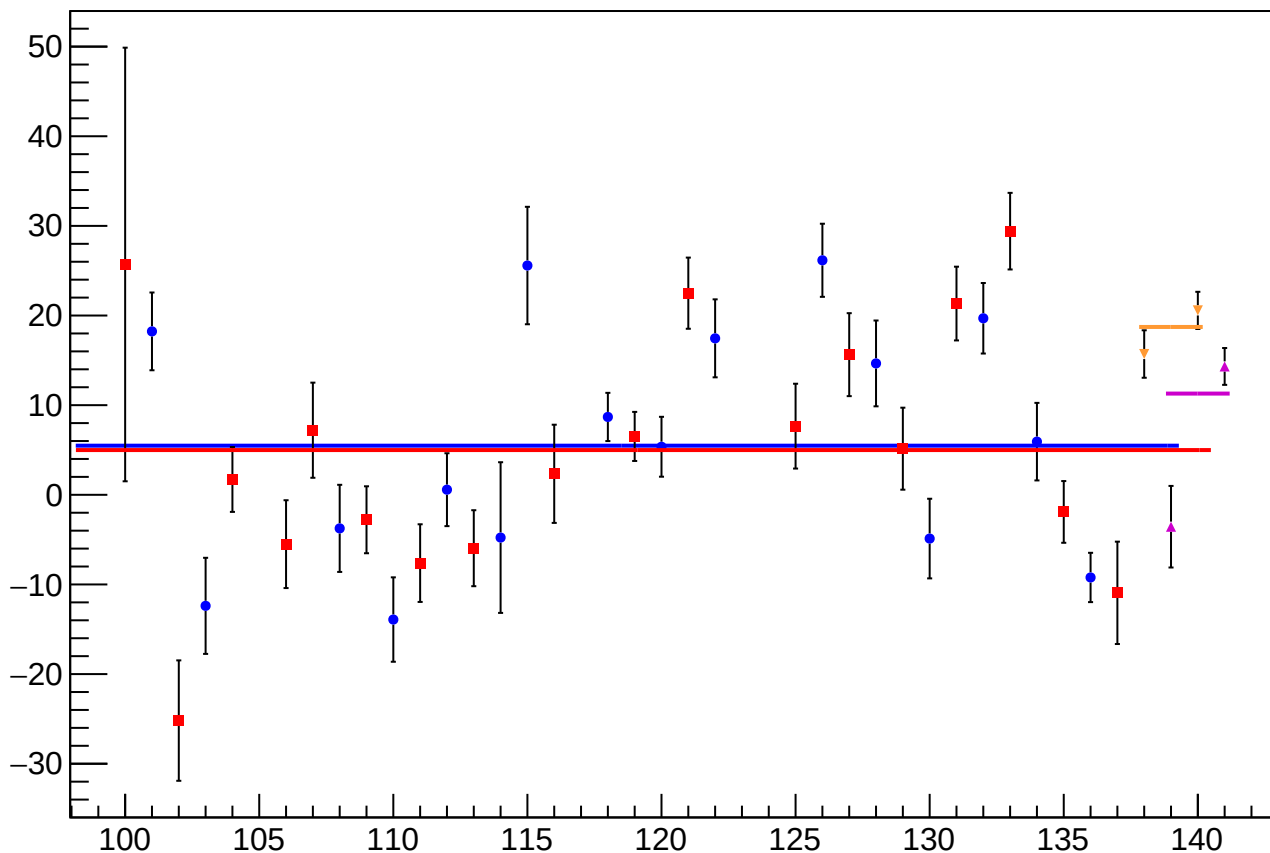
Left In: -41.068+/-1.875 χ^2/NDF : 51.8/1

+ sign 25.064+/-0.848 χ^2/NDF : 4565.5/17

All: 28.136+/-0.590 χ^2/NDF : 7993.1/37

- sign 31.022+/-0.822 χ^2/NDF : 3402.1/19

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 5.481 ± 1.021 $\chi^2/\text{NDF}: 138.2/15$

Left Out: 18.725 ± 1.632 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 4.992 ± 1.023 $\chi^2/\text{NDF}: 131.8/17$

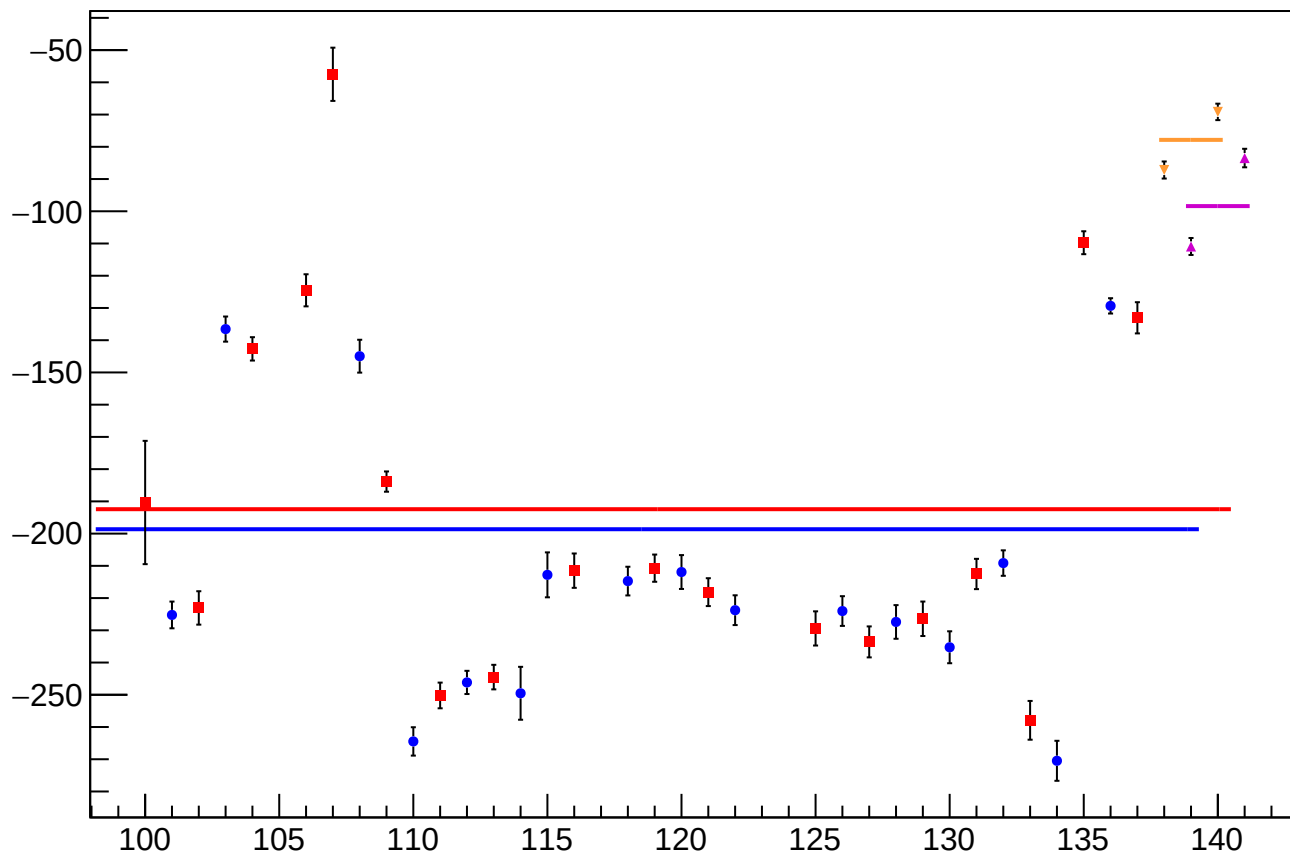
Left In: 11.293 ± 1.873 $\chi^2/\text{NDF}: 12.8/1$

+ sign 9.208 ± 0.866 $\chi^2/\text{NDF}: 187.6/17$

All: 7.873 ± 0.623 $\chi^2/\text{NDF}: 345.9/37$

- sign 6.439 ± 0.897 $\chi^2/\text{NDF}: 153.4/19$

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641 $\pm$ 1.083 χ^2 /NDF: 2002.3/15

Left Out: -77.851 $\pm$ 1.838 χ^2 /NDF:24.0/1

Right Out: -192.426 $\pm$ 1.080 χ^2 /NDF: 2139.0/17

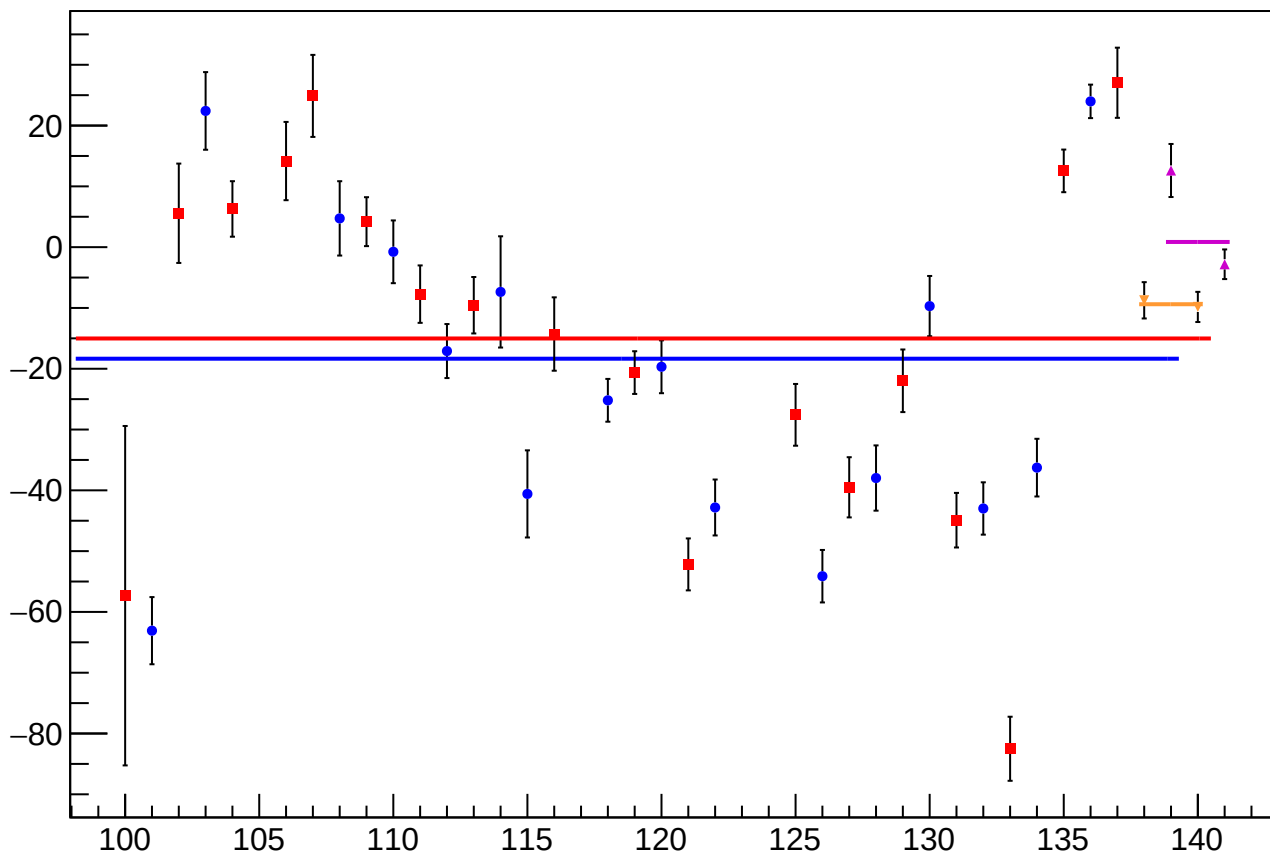
Left In: -98.394 $\pm$ 1.940 χ^2 /NDF:49.6/1

+ sign -167.483 $\pm$ 0.933 χ^2 /NDF: 5232.8/17

All: -168.821 $\pm$ 0.663 χ^2 /NDF: 9219.3/37

- sign -170.188 $\pm$ 0.943 χ^2 /NDF: 3982.3/19

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

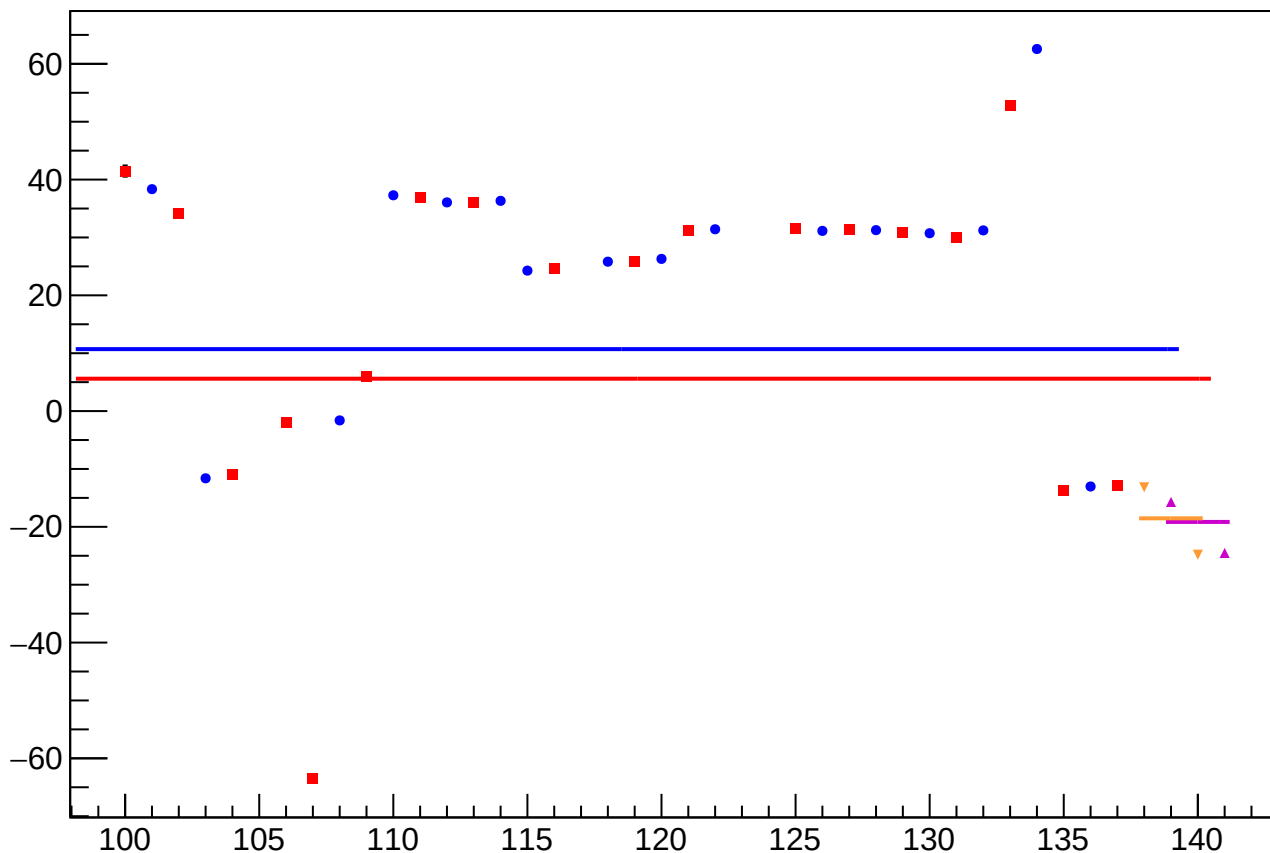
Left In: 0.856 ± 2.128 χ^2/NDF : 9.5/1

+ sign -15.933 ± 0.991 χ^2/NDF : 560.1/17

All: -13.720 ± 0.711 χ^2/NDF : 1169.2/37

- sign -11.376 ± 1.020 χ^2/NDF : 598.8/19

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 10.704+/-0.063 χ^2/NDF : 164860.8/15

Left Out: -18.532+/-0.077 χ^2/NDF : 5728.1/1

Right Out: 5.595+/-0.064 χ^2/NDF : 154966.4/17

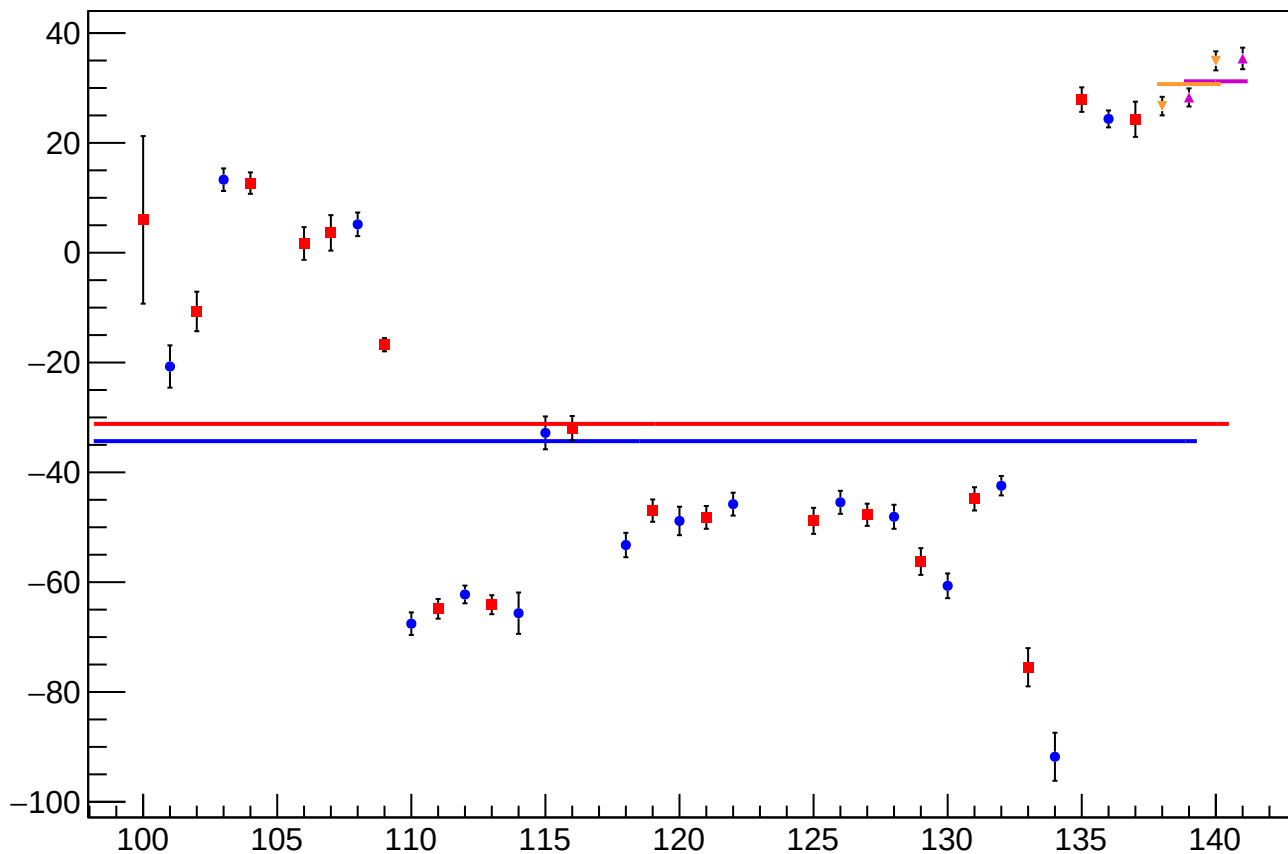
Left In: -19.153+/-0.073 χ^2/NDF : 3456.8/1

+ sign -1.048+/-0.049 χ^2/NDF : 257424.7/17

All: -3.076+/-0.034 χ^2/NDF : 484394.1/37

- sign -5.053+/-0.048 χ^2/NDF : 223537.6/19

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315 ± 0.548 $\chi^2/\text{NDF}: 3500.2/15$

Left Out: 30.709 ± 1.211 $\chi^2/\text{NDF}: 11.6/1$

Right Out: -31.175 ± 0.516 $\chi^2/\text{NDF}: 3200.4/17$

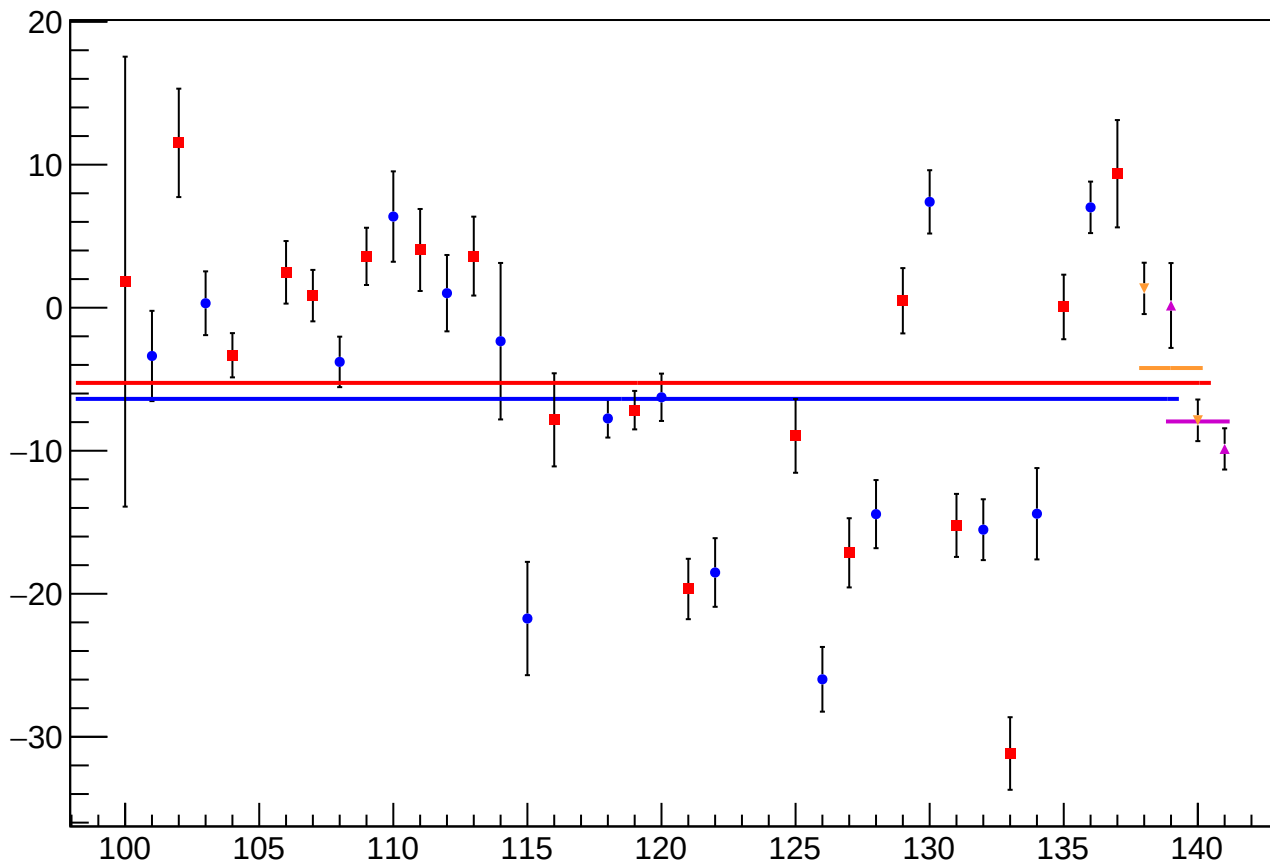
Left In: 31.213 ± 1.261 $\chi^2/\text{NDF}: 7.7/1$

+ sign -23.276 ± 0.499 $\chi^2/\text{NDF}: 5904.1/17$

All: -22.730 ± 0.345 $\chi^2/\text{NDF}: 11212.2/37$

- sign -22.232 ± 0.477 $\chi^2/\text{NDF}: 5305.8/19$

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

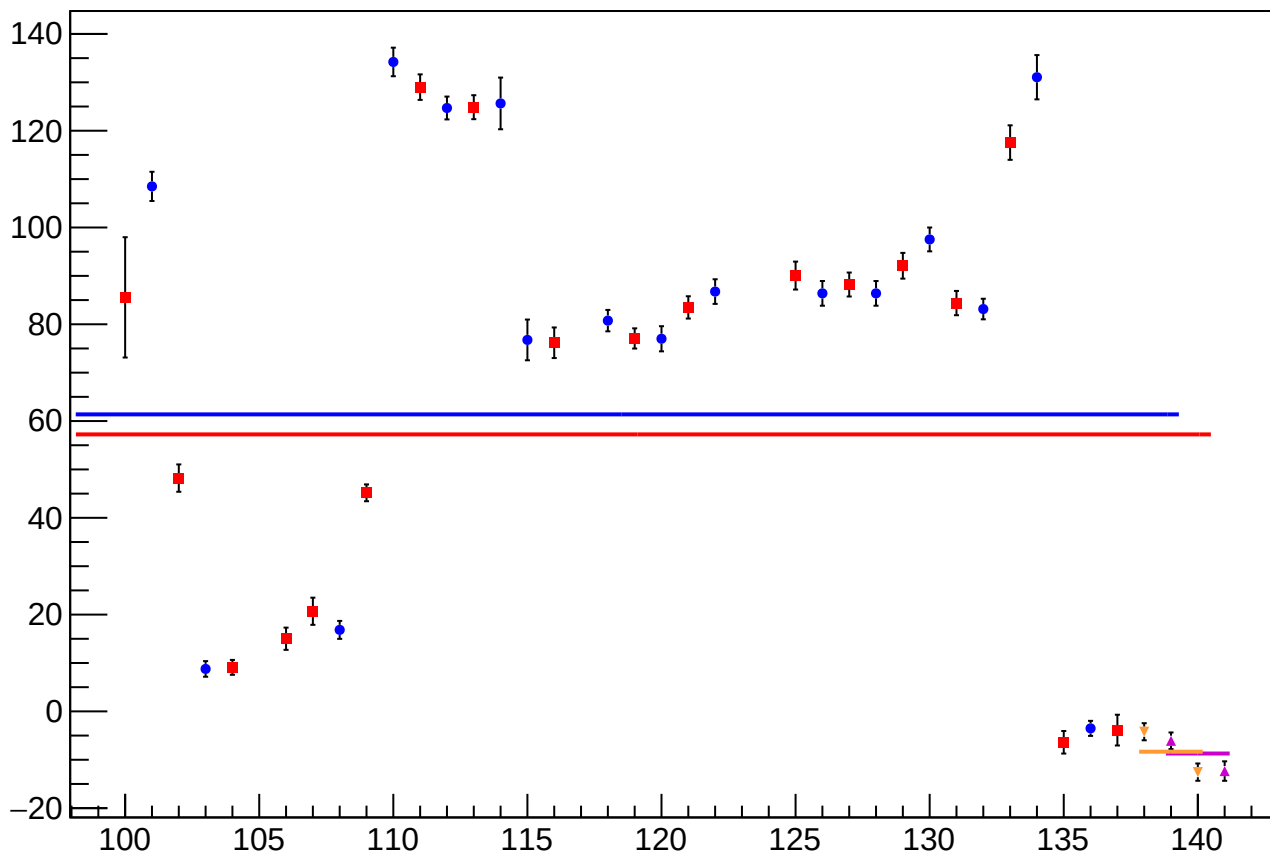
Left In: -7.953+/-1.298 χ^2/NDF : 9.2/1

+ sign -5.957+/-0.497 χ^2/NDF : 302.5/17

All: -5.800+/-0.350 χ^2/NDF : 628.5/37

- sign -5.645+/-0.493 χ^2/NDF : 325.9/19

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2 /NDF: 6066.8/15

Left Out: -8.332+/-1.256 χ^2 /NDF: 11.1/1

Right Out: 57.240+/-0.580 χ^2 /NDF: 5267.5/17

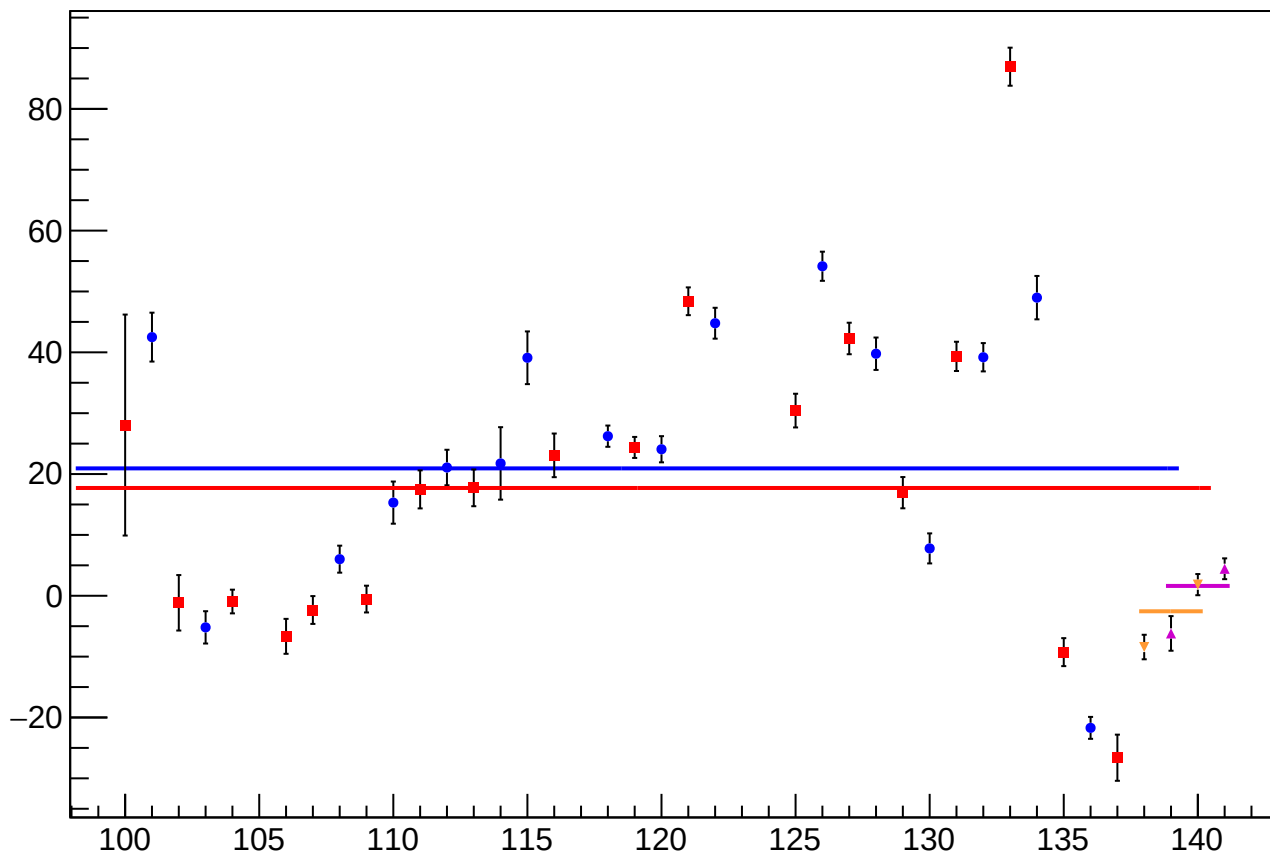
Left In: -8.711+/-1.305 χ^2 /NDF: 5.6/1

+ sign 48.617+/-0.537 χ^2 /NDF: 8596.1/17

All: 47.475+/-0.377 χ^2 /NDF: 16009.3/37

- sign 46.362+/-0.530 χ^2 /NDF: 7404.2/19

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF : 1245.4/15

Left Out: -2.551+/-1.317 χ^2/NDF : 14.8/1

Right Out: 17.711+/-0.618 χ^2/NDF : 1481.9/17

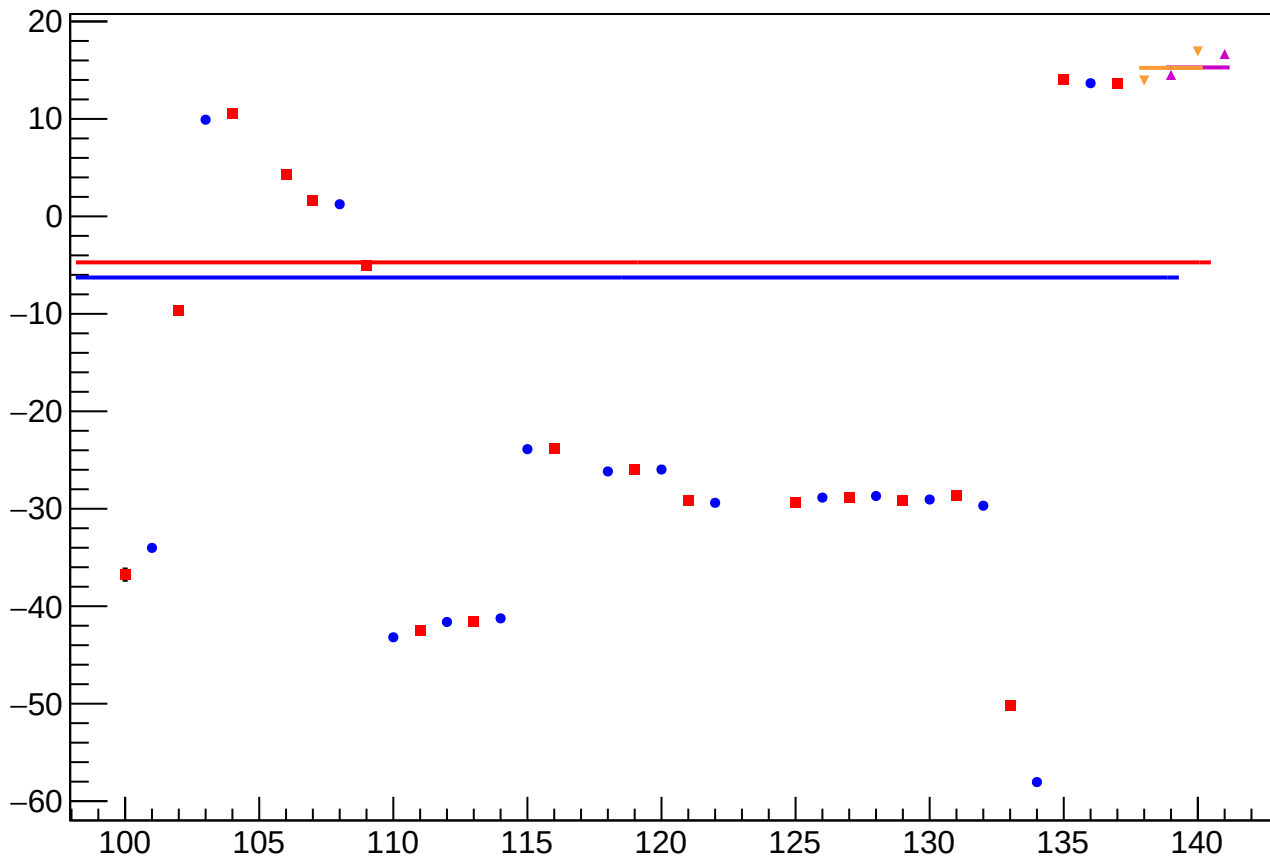
Left In: 1.616+/-1.466 χ^2/NDF : 10.2/1

+ sign 16.443+/-0.576 χ^2/NDF : 1517.4/17

All: 15.856+/-0.405 χ^2/NDF : 3114.0/37

- sign 15.281+/-0.570 χ^2/NDF : 1594.5/19

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

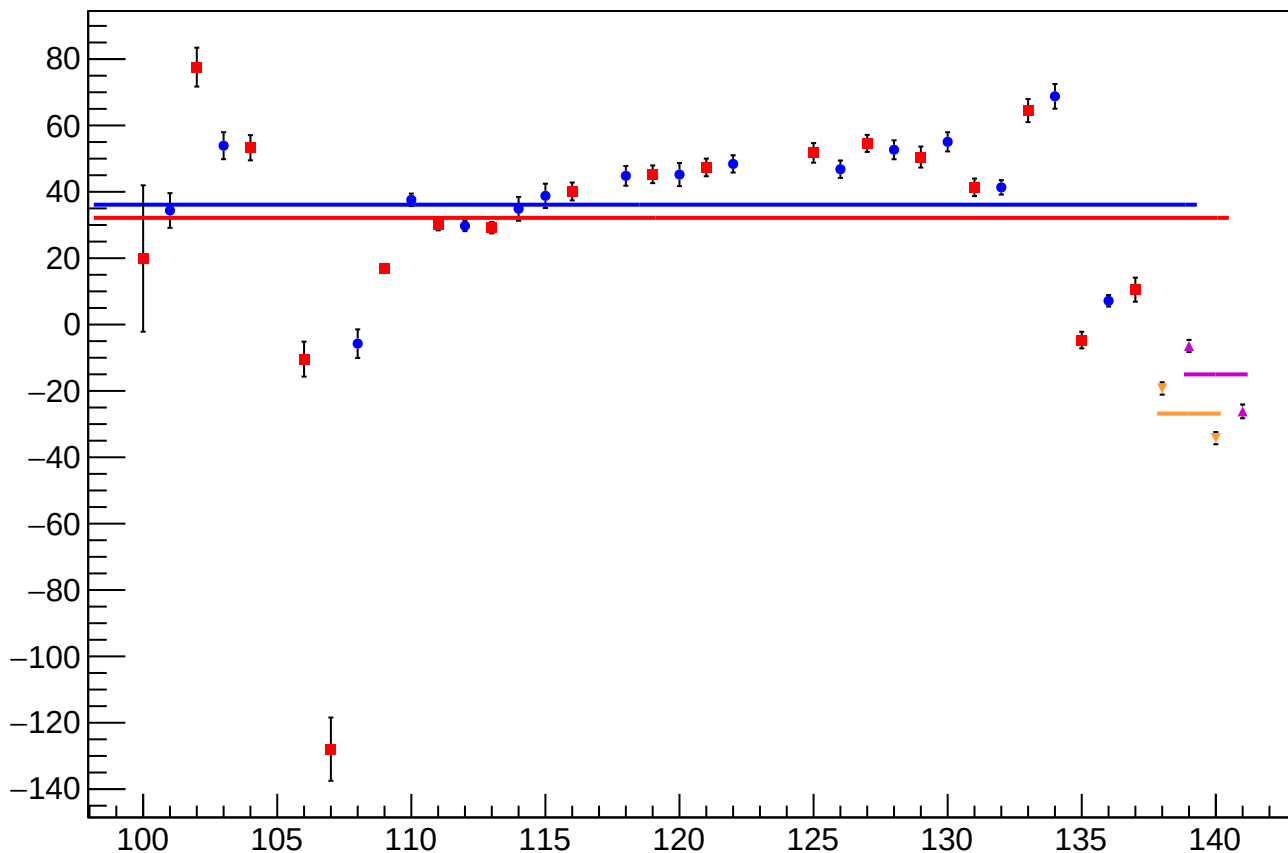
Left In: 15.284 ± 0.049 χ^2/NDF : 439.1/1

+ sign -0.005 ± 0.028 χ^2/NDF : 531967.2/17

All: 0.856 ± 0.020 χ^2/NDF : 953993.8/37

- sign 1.695 ± 0.028 χ^2/NDF : 420176.4/19

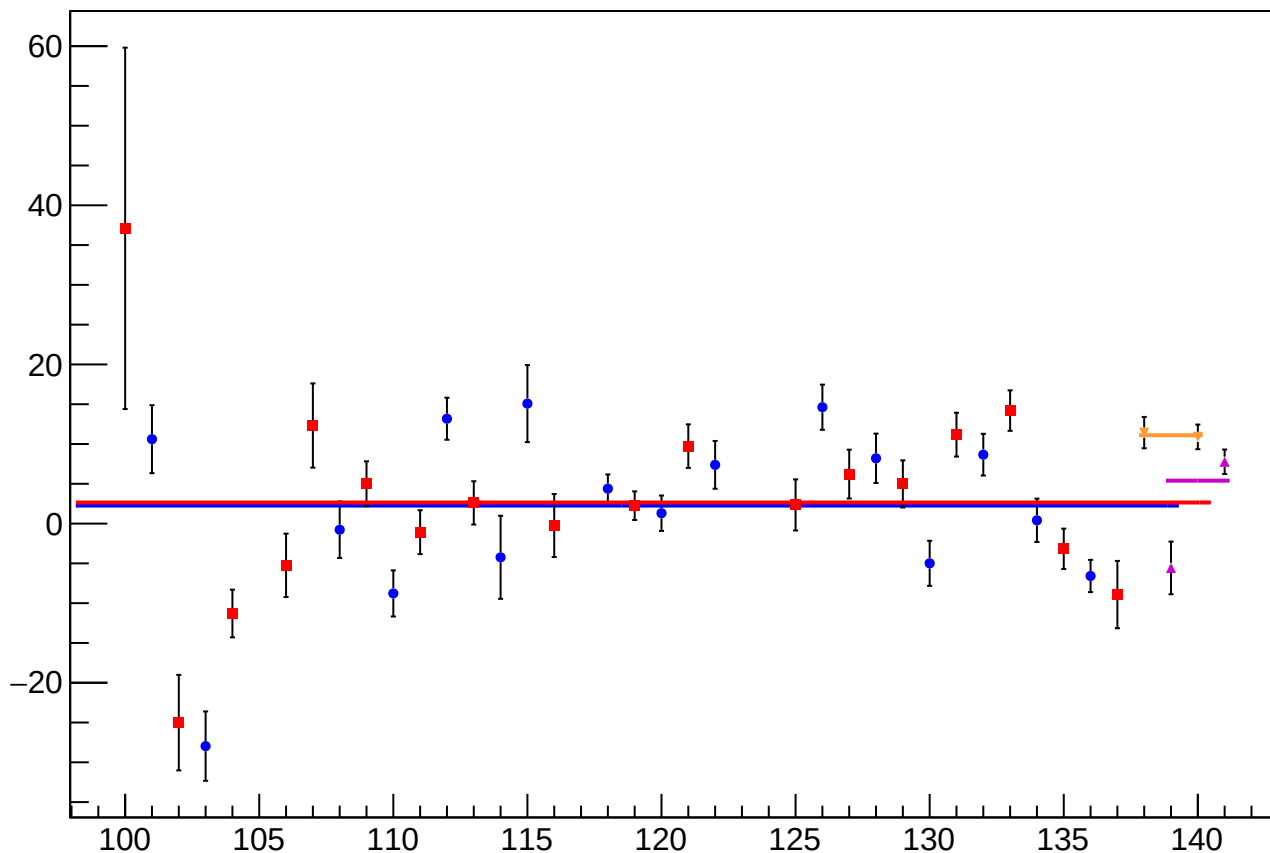
reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118 ± 0.656 $\chi^2/\text{NDF}: 622.8/15$
 Left Out: -26.820 ± 1.315 $\chi^2/\text{NDF}: 32.5/1$
 Right Out: 32.150 ± 0.631 $\chi^2/\text{NDF}: 1114.6/17$
 Left In: -15.016 ± 1.380 $\chi^2/\text{NDF}: 50.1/1$

+ sign 23.556 ± 0.587 $\chi^2/\text{NDF}: 2490.1/17$
 All: 23.783 ± 0.410 $\chi^2/\text{NDF}: 4621.9/37$
 - sign 23.999 ± 0.574 $\chi^2/\text{NDF}: 2131.5/19$

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

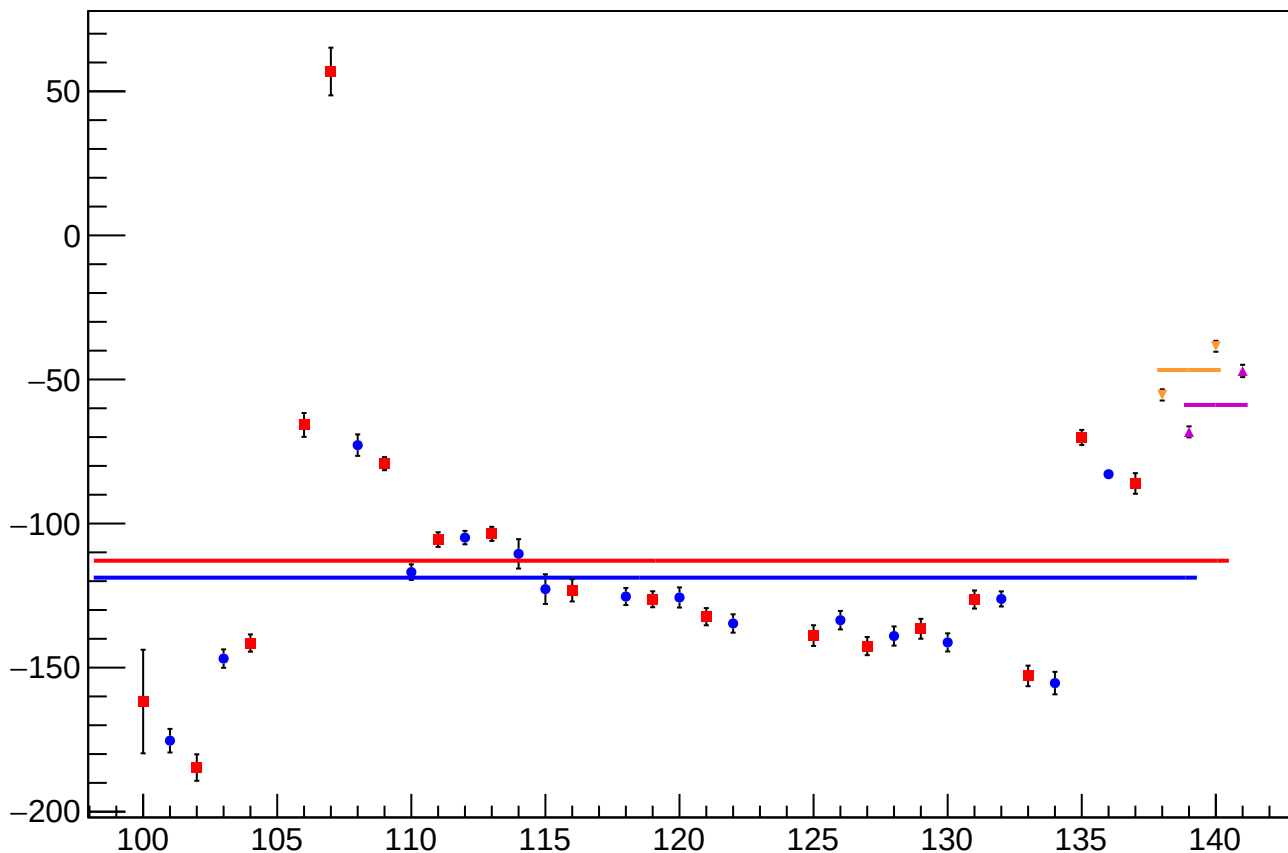
Left In: 5.396 $\pm$ 1.395 χ^2 /NDF:13.4/1

+ sign 4.468 $\pm$ 0.608 χ^2 /NDF: 191.6/17

All: 3.874 $\pm$ 0.440 χ^2 /NDF: 317.3/37

- sign 3.223 $\pm$ 0.637 χ^2 /NDF: 123.6/19

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 $\chi^2/\text{NDF}: 1862.9/17$

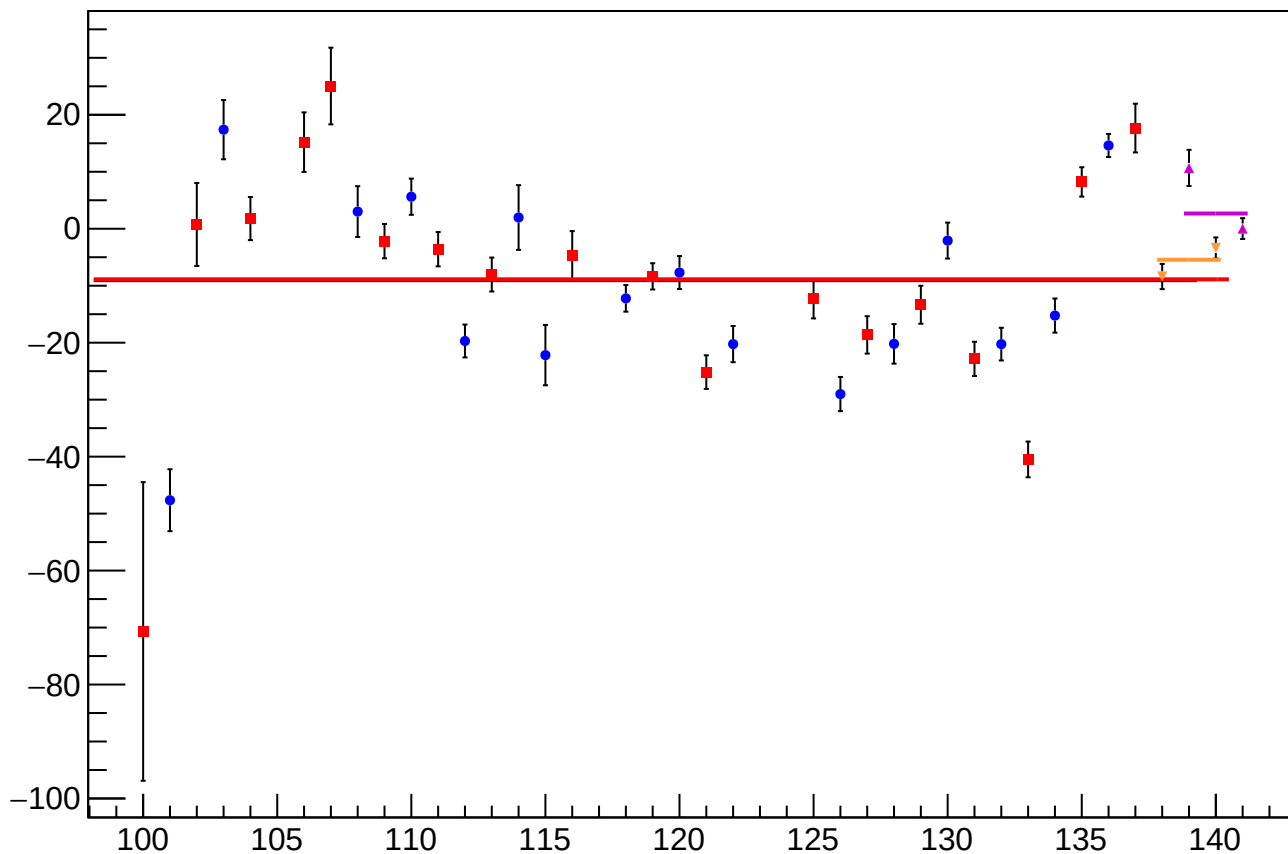
Left In: -58.846 ± 1.428 $\chi^2/\text{NDF}: 54.1/1$

+ sign -101.777 ± 0.662 $\chi^2/\text{NDF}: 3297.0/17$

All: -101.367 ± 0.471 $\chi^2/\text{NDF}: 6330.6/37$

- sign -100.945 ± 0.672 $\chi^2/\text{NDF}: 3032.8/19$

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

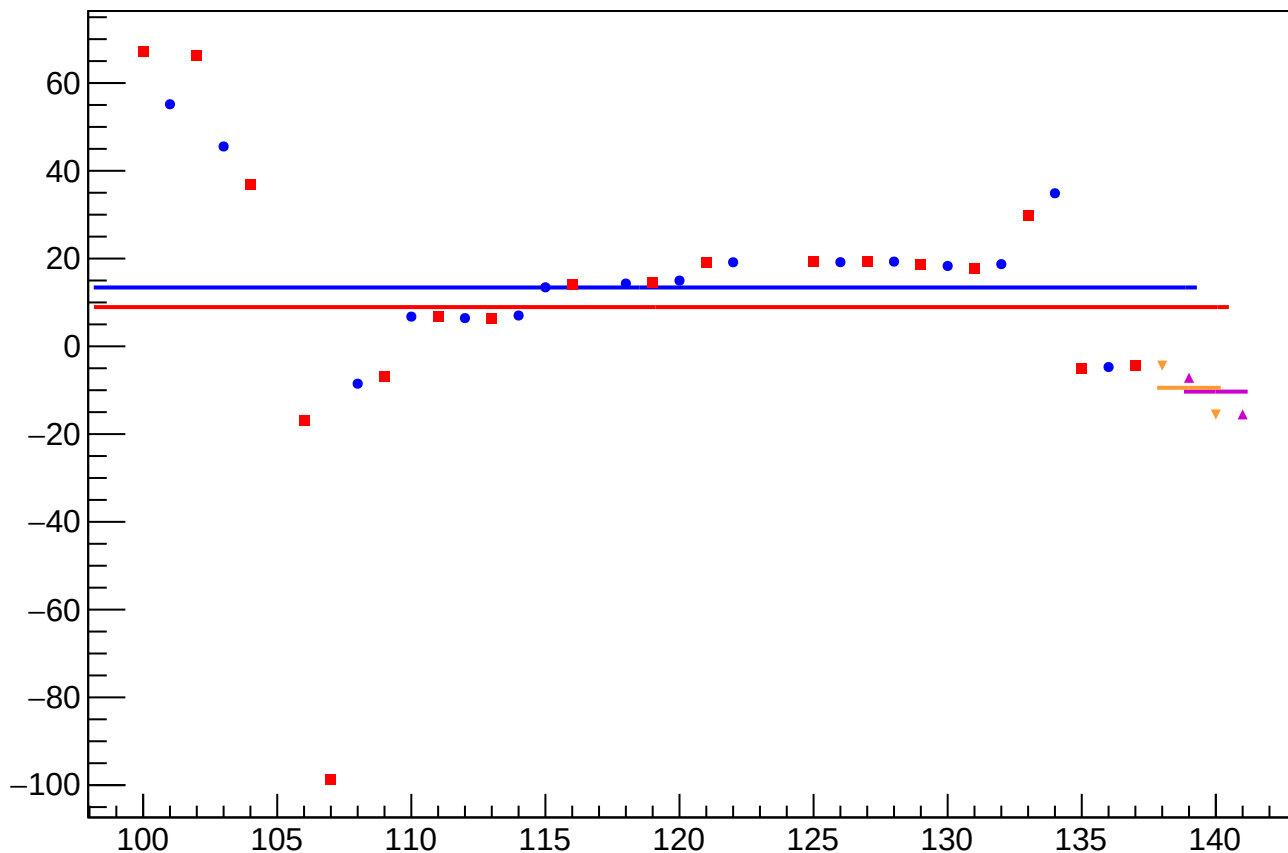
Left In: 2.673 ± 1.582 χ^2/NDF : 8.5/1

+ sign -8.167 ± 0.694 χ^2/NDF : 365.9/17

All: -7.353 ± 0.500 χ^2/NDF : 738.1/37

- sign -6.476 ± 0.721 χ^2/NDF : 369.4/19

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412+/-0.045 χ^2/NDF : 183707.4/15

Left Out: -9.450+/-0.057 χ^2/NDF : 9545.5/1

Right Out: 8.943+/-0.047 χ^2/NDF : 291126.5/17

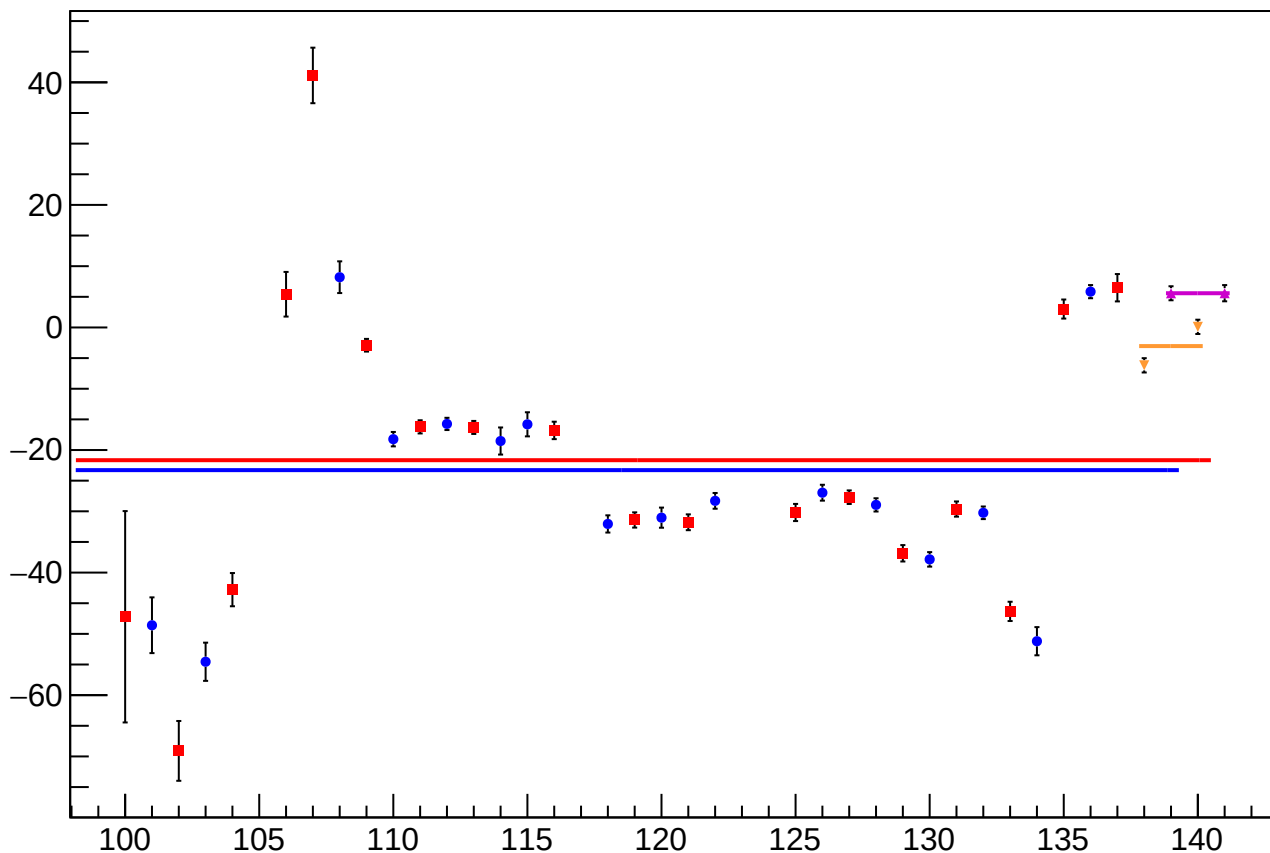
Left In: -10.319+/-0.054 χ^2/NDF : 5660.3/1

+ sign 4.515+/-0.035 χ^2/NDF : 292455.0/17

All: 2.531+/-0.025 χ^2/NDF : 667714.9/37

- sign 0.527+/-0.036 χ^2/NDF : 368941.9/19

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

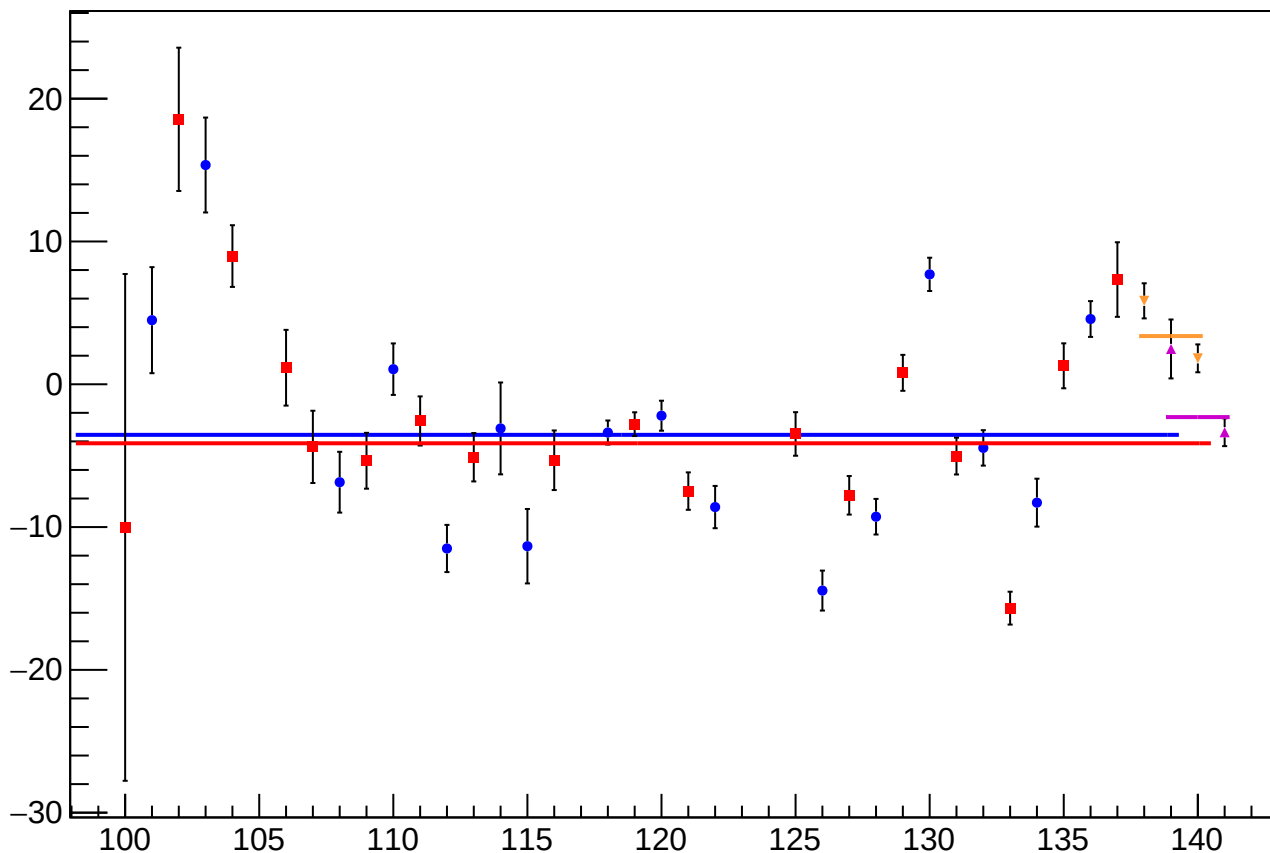
Left In: 5.586+/-0.865 χ^2/NDF : 0.0/1

+ sign -20.188+/-0.323 χ^2/NDF : 2092.4/17

All: -19.033+/-0.228 χ^2/NDF : 4785.4/37

- sign -17.879+/-0.322 χ^2/NDF : 2667.4/19

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

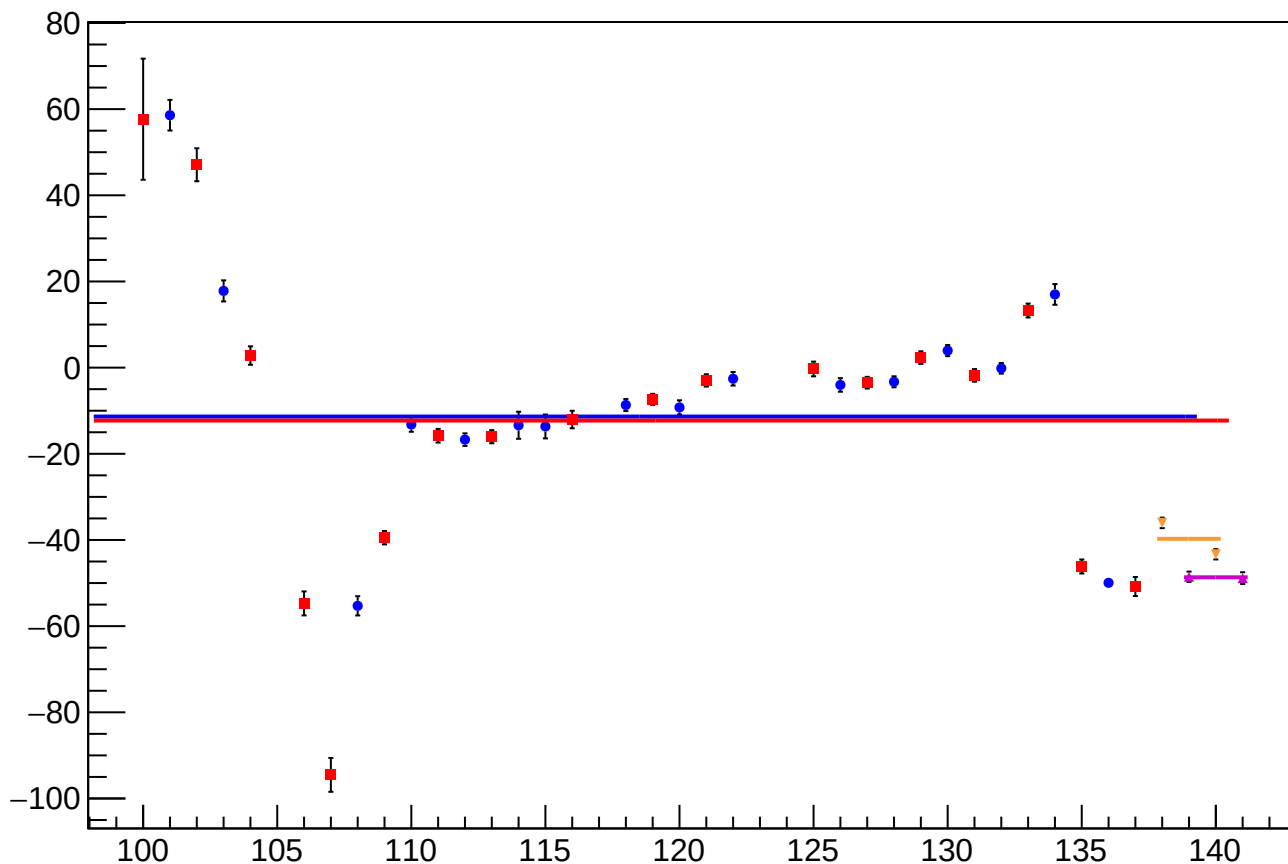
Left In: -2.298 ± 0.880 χ^2/NDF : 6.5/1

+ sign -2.271 ± 0.328 χ^2/NDF : 390.1/17

All: -3.030 ± 0.236 χ^2/NDF : 639.0/37

- sign -3.856 ± 0.342 χ^2/NDF : 237.7/19

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 $\chi^2/\text{NDF}: 2590.4/17$

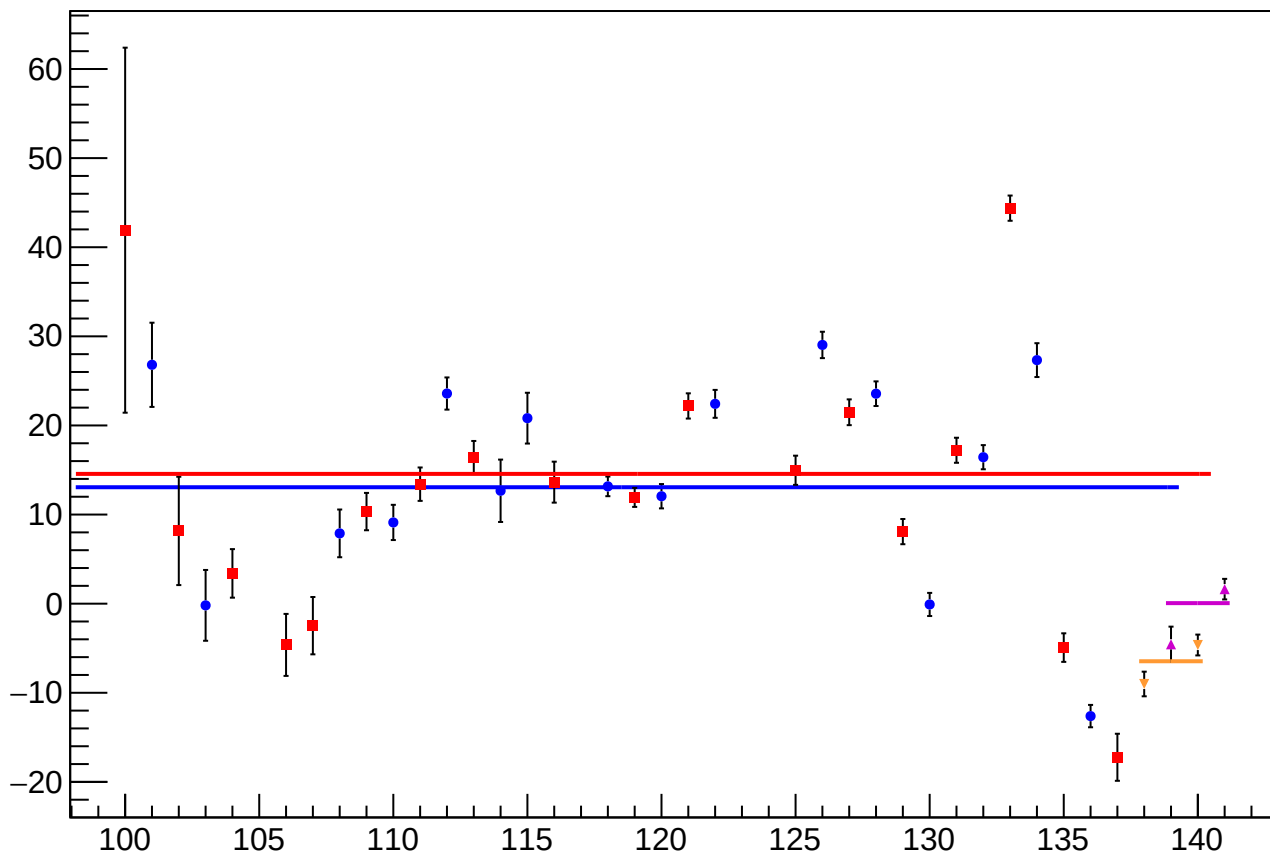
Left In: -48.669 ± 0.896 $\chi^2/\text{NDF}: 0.0/1$

+ sign -16.570 ± 0.367 $\chi^2/\text{NDF}: 3579.0/17$

All: -17.592 ± 0.262 $\chi^2/\text{NDF}: 7546.0/37$

- sign -18.664 ± 0.375 $\chi^2/\text{NDF}: 3951.1/19$

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

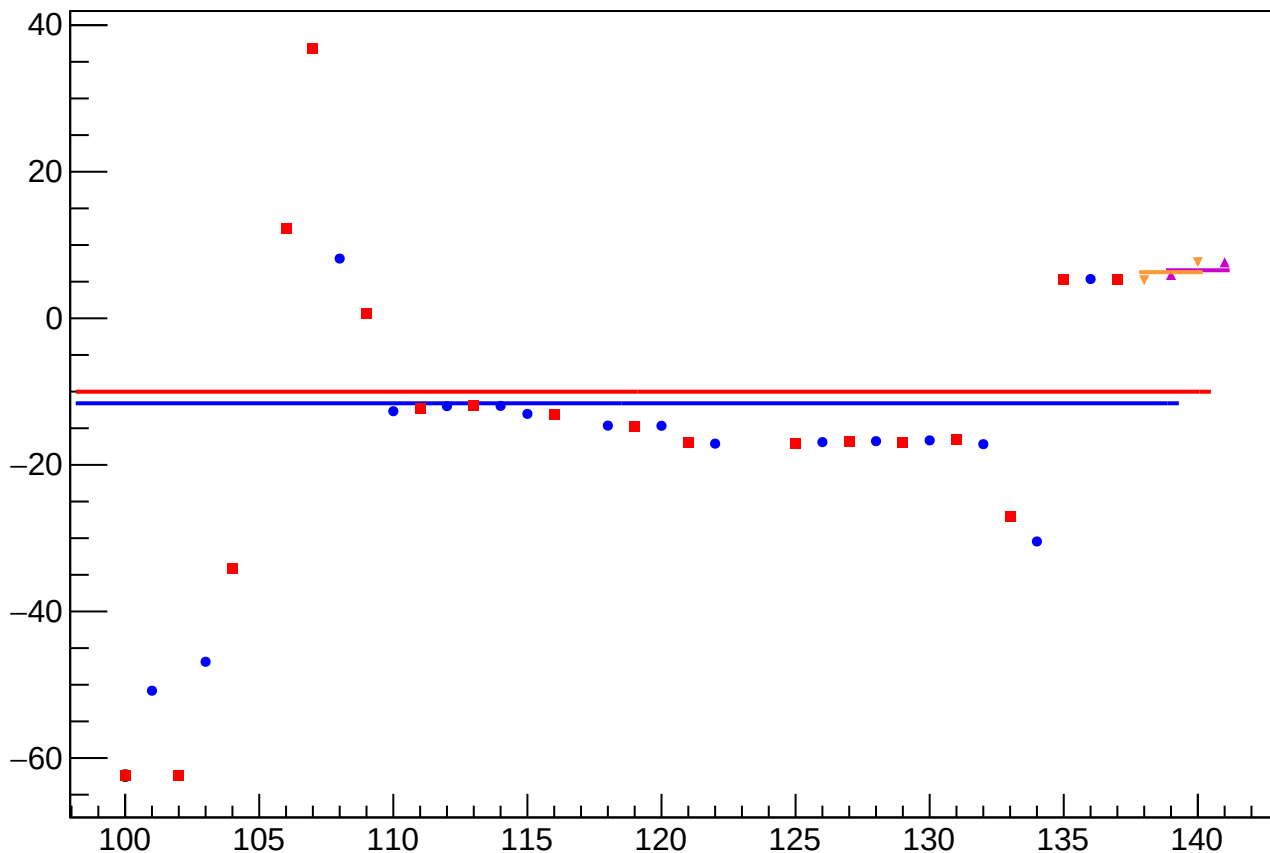
Left In: 0.061 $\pm$ 0.997 χ^2 /NDF: 7.3/1

+ sign 9.598 $\pm$ 0.376 χ^2 /NDF: 1263.0/17

All: 10.930 $\pm$ 0.270 χ^2 /NDF: 2378.8/37

- sign 12.354 $\pm$ 0.389 χ^2 /NDF: 1089.9/19

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

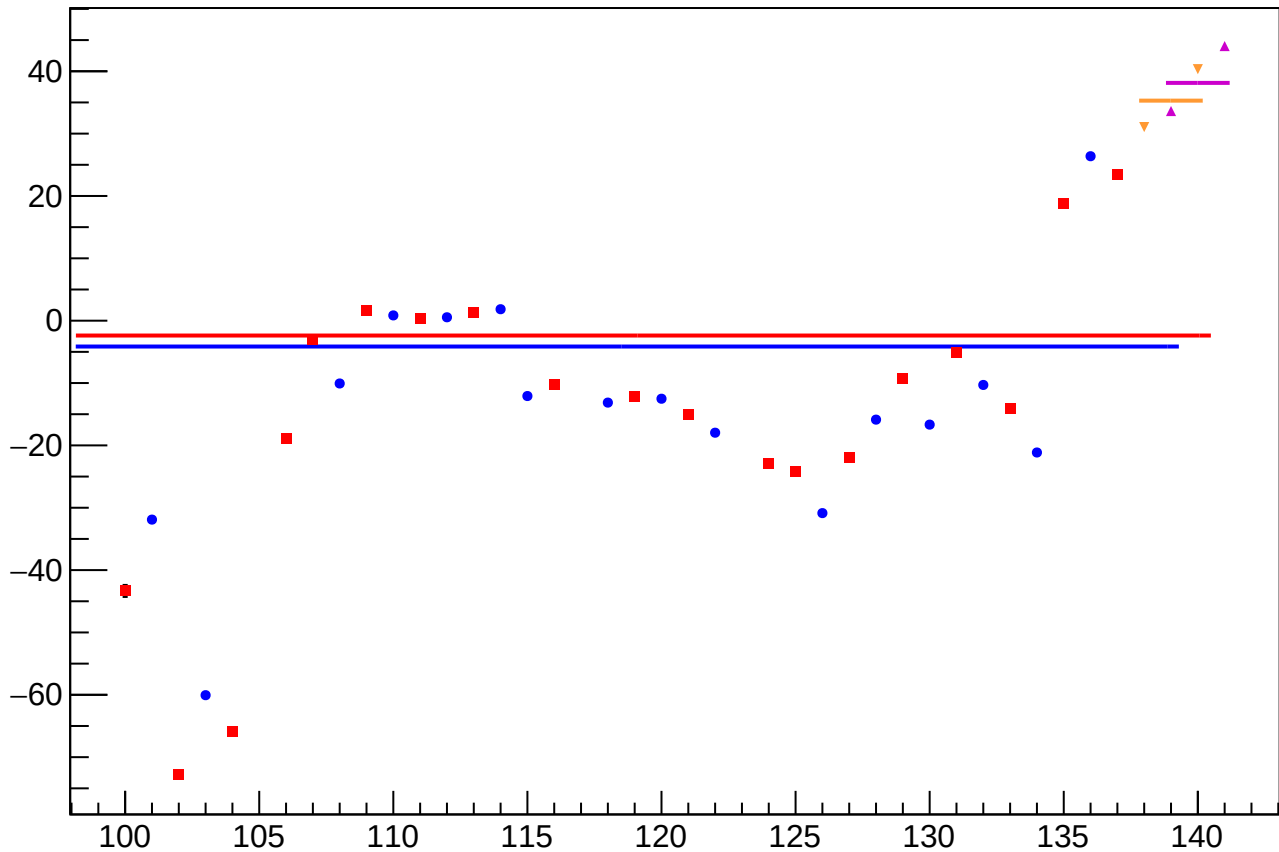
Left In: 6.558 ± 0.034 χ^2/NDF : 612.8/1

+ sign -5.275 ± 0.021 χ^2/NDF : 525067.6/17

All: -4.350 ± 0.015 χ^2/NDF : 1070981.0/37

- sign -3.413 ± 0.021 χ^2/NDF : 542063.4/19

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

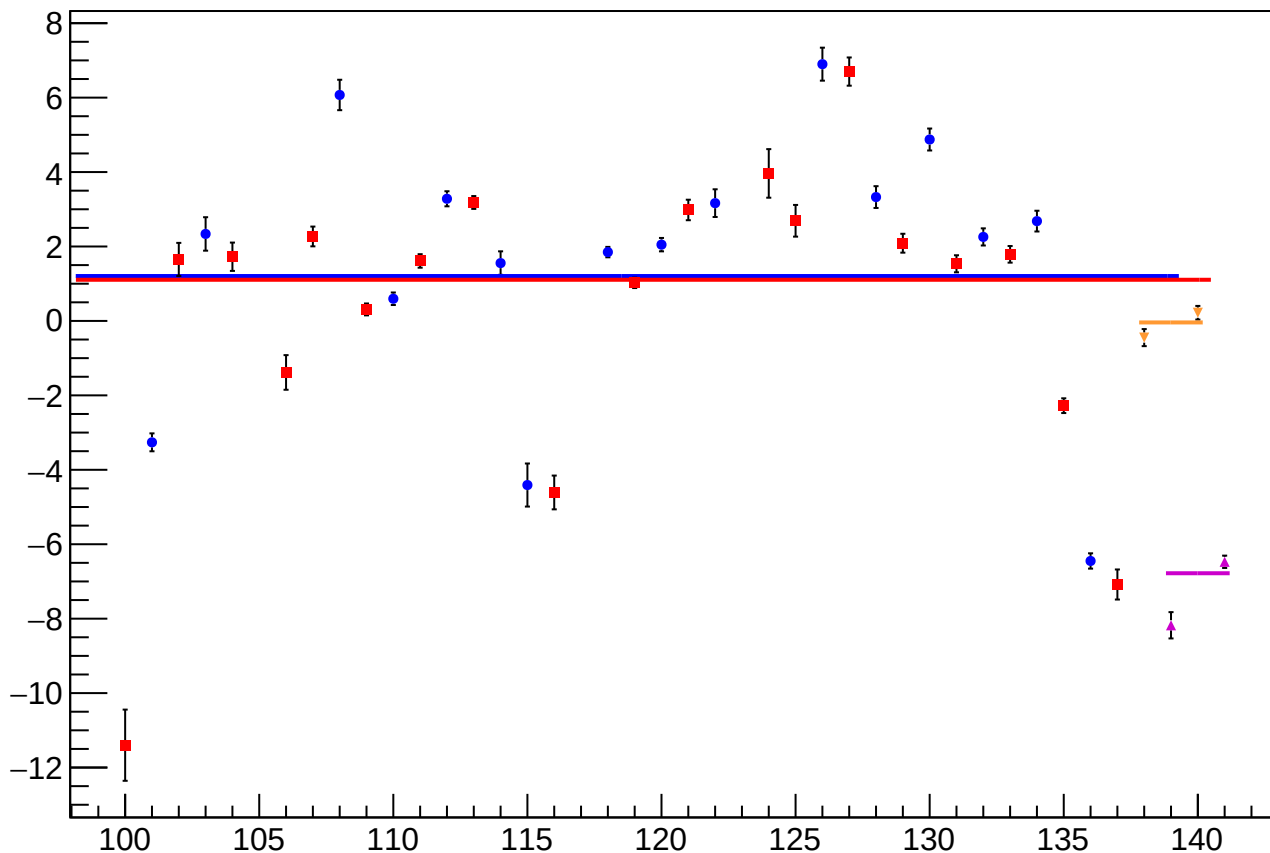
Left In: 38.135 ± 0.148 χ^2/NDF : 1214.8/1

+ sign 0.539 ± 0.051 χ^2/NDF : 138008.5/17

All: 0.921 ± 0.033 χ^2/NDF : 288277.3/38

- sign 1.201 ± 0.044 χ^2/NDF : 150173.0/20

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

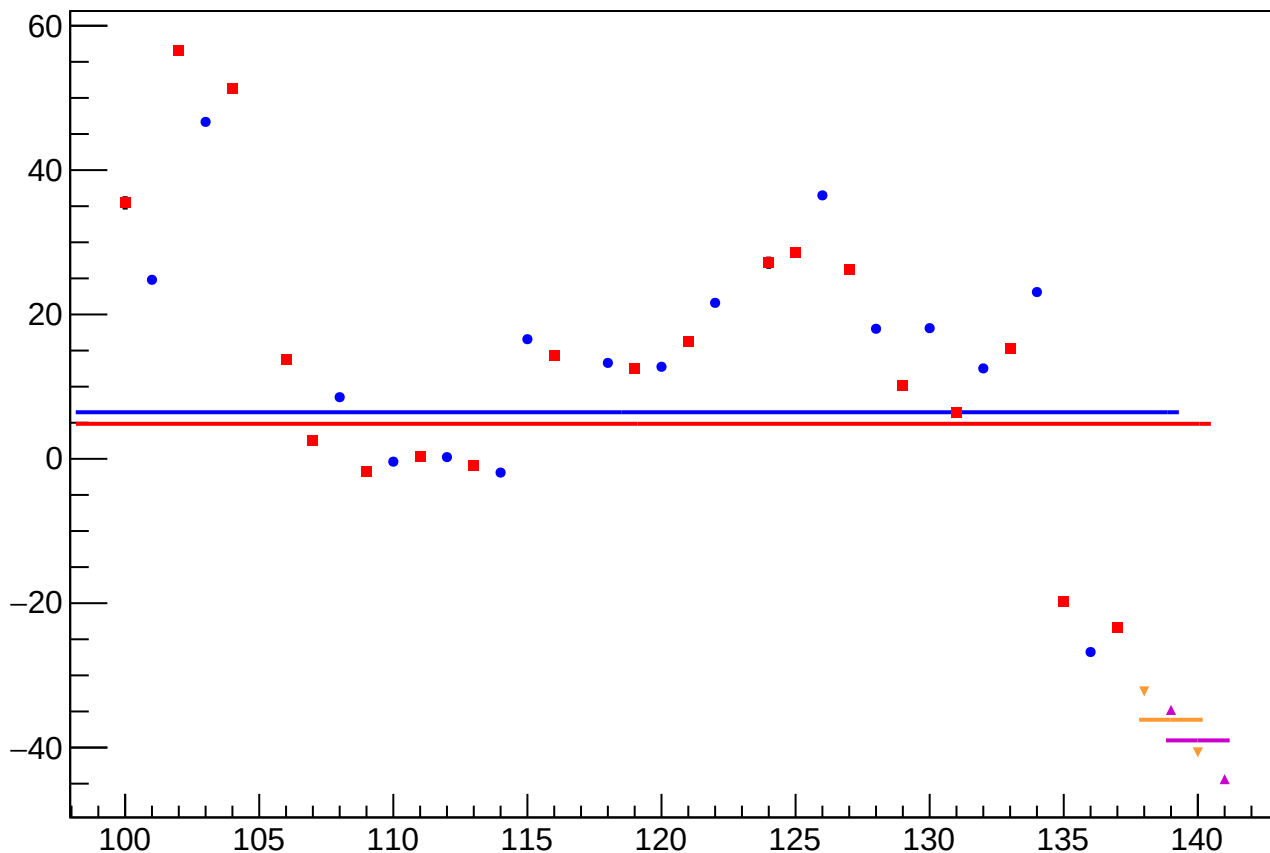
Left In: -6.779 $\pm$ 0.150 χ^2 /NDF: 19.1/1

+ sign 1.018 $\pm$ 0.056 χ^2 /NDF: 2653.9/17

All: 0.543 $\pm$ 0.039 χ^2 /NDF: 6809.5/38

- sign 0.105 $\pm$ 0.053 χ^2 /NDF: 4015.9/20

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453 ± 0.065 $\chi^2/\text{NDF}: 70671.1/15$

Left Out: -36.146 ± 0.155 $\chi^2/\text{NDF}: 742.1/1$

Right Out: 4.854 ± 0.059 $\chi^2/\text{NDF}: 75267.0/18$

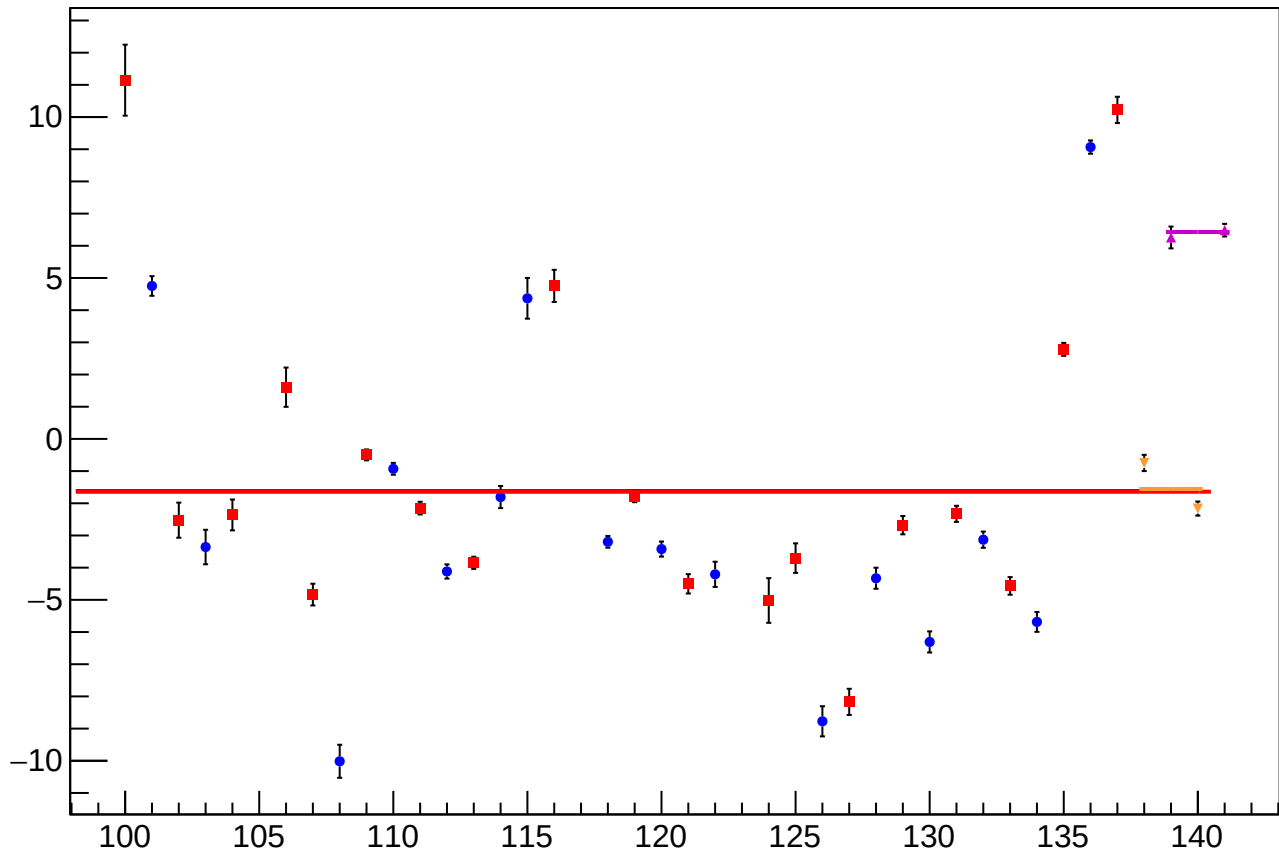
Left In: -39.009 ± 0.153 $\chi^2/\text{NDF}: 965.6/1$

+ sign 0.013 ± 0.060 $\chi^2/\text{NDF}: 135927.8/17$

All: -0.445 ± 0.041 $\chi^2/\text{NDF}: 283525.7/38$

- sign -0.831 ± 0.055 $\chi^2/\text{NDF}: 147491.0/20$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622 ± 0.070 χ^2/NDF : 4525.3/15

Left Out: -1.556 ± 0.166 χ^2/NDF : 17.9/1

Right Out: -1.640 ± 0.065 χ^2/NDF : 2462.1/18

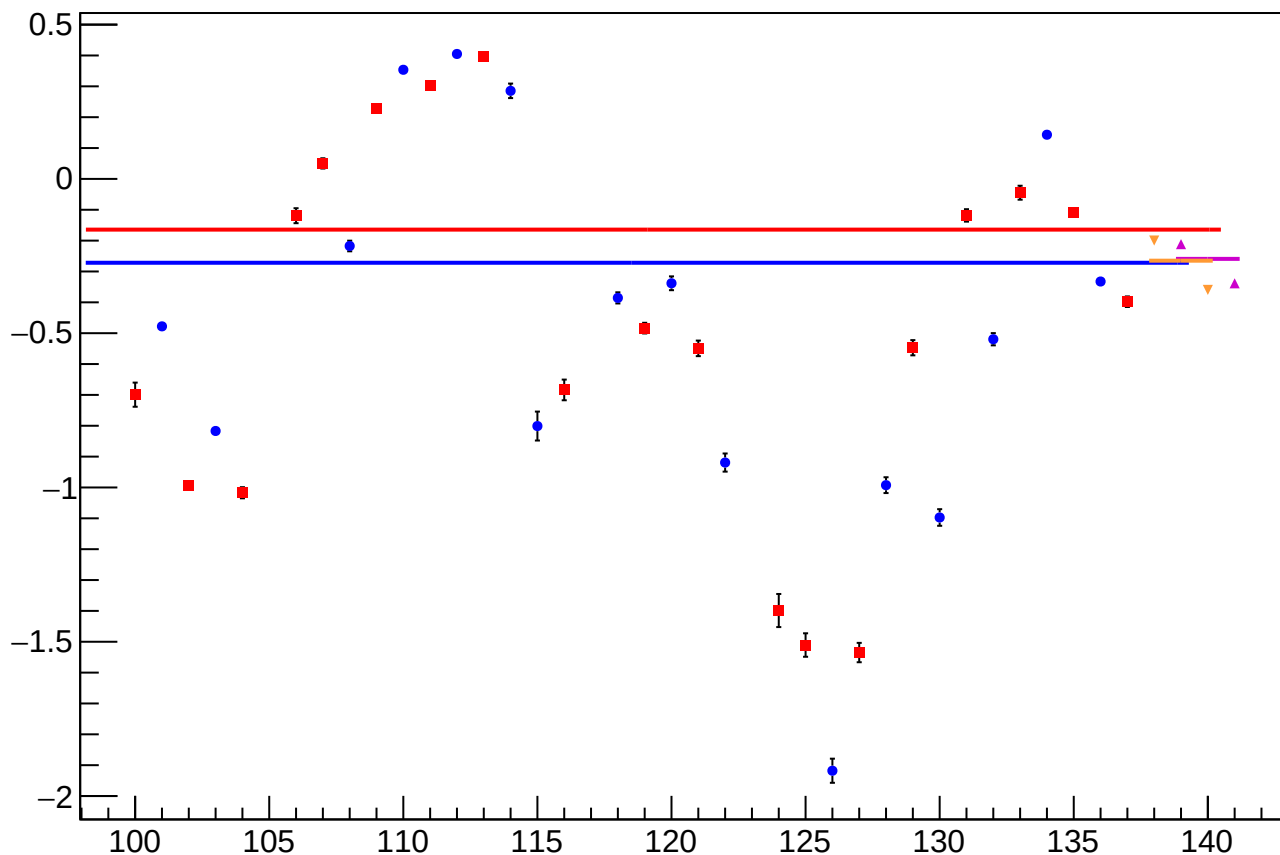
Left In: 6.429 ± 0.170 χ^2/NDF : 0.3/1

+ sign -1.612 ± 0.064 χ^2/NDF : 4543.3/17

All: -1.087 ± 0.044 χ^2/NDF : 9100.8/38

- sign -0.623 ± 0.060 χ^2/NDF : 4431.5/20

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 $\chi^2/\text{NDF}: 12048.2/15$

Left Out: -0.265 ± 0.006 $\chi^2/\text{NDF}: 156.2/1$

Right Out: -0.164 ± 0.004 $\chi^2/\text{NDF}: 15497.0/18$

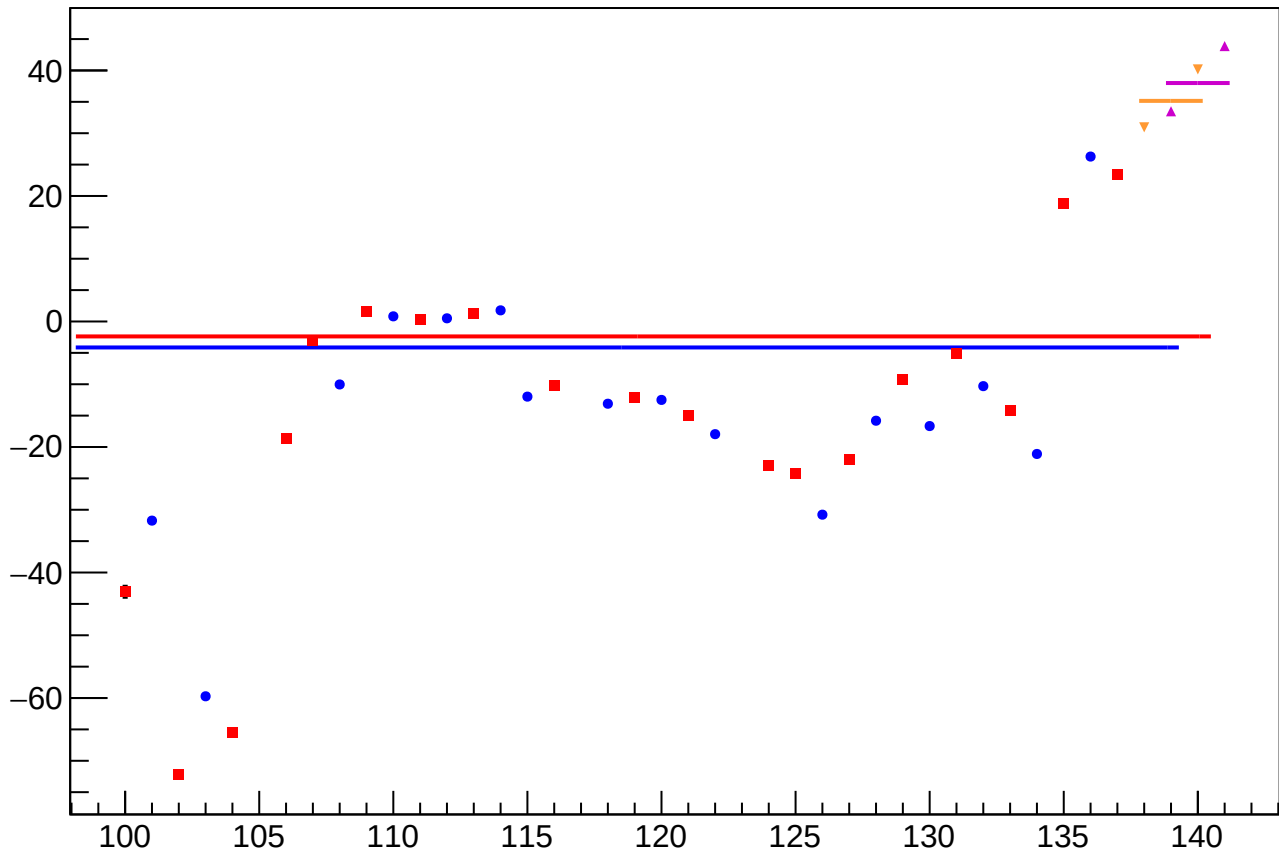
Left In: -0.259 ± 0.006 $\chi^2/\text{NDF}: 114.2/1$

+ sign -0.270 ± 0.003 $\chi^2/\text{NDF}: 12205.2/17$

All: -0.228 ± 0.002 $\chi^2/\text{NDF}: 28271.4/38$

- sign -0.193 ± 0.003 $\chi^2/\text{NDF}: 15800.4/20$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139 ± 0.054 χ^2/NDF : 75240.1/15

Left Out: 35.153 ± 0.148 χ^2/NDF : 959.1/1

Right Out: -2.380 ± 0.046 χ^2/NDF : 80668.5/18

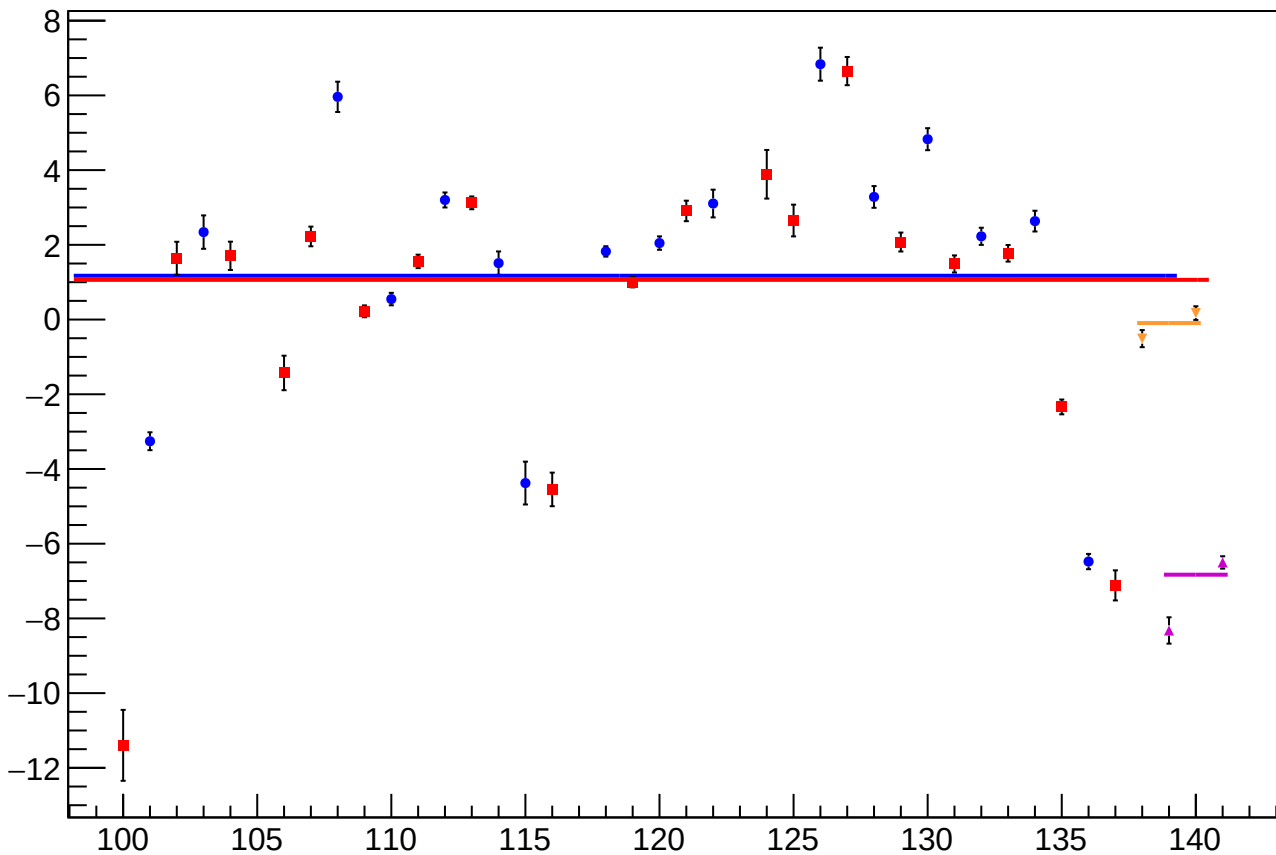
Left In: 37.996 ± 0.148 χ^2/NDF : 1215.0/1

+ sign 0.503 ± 0.051 χ^2/NDF : 137956.8/17

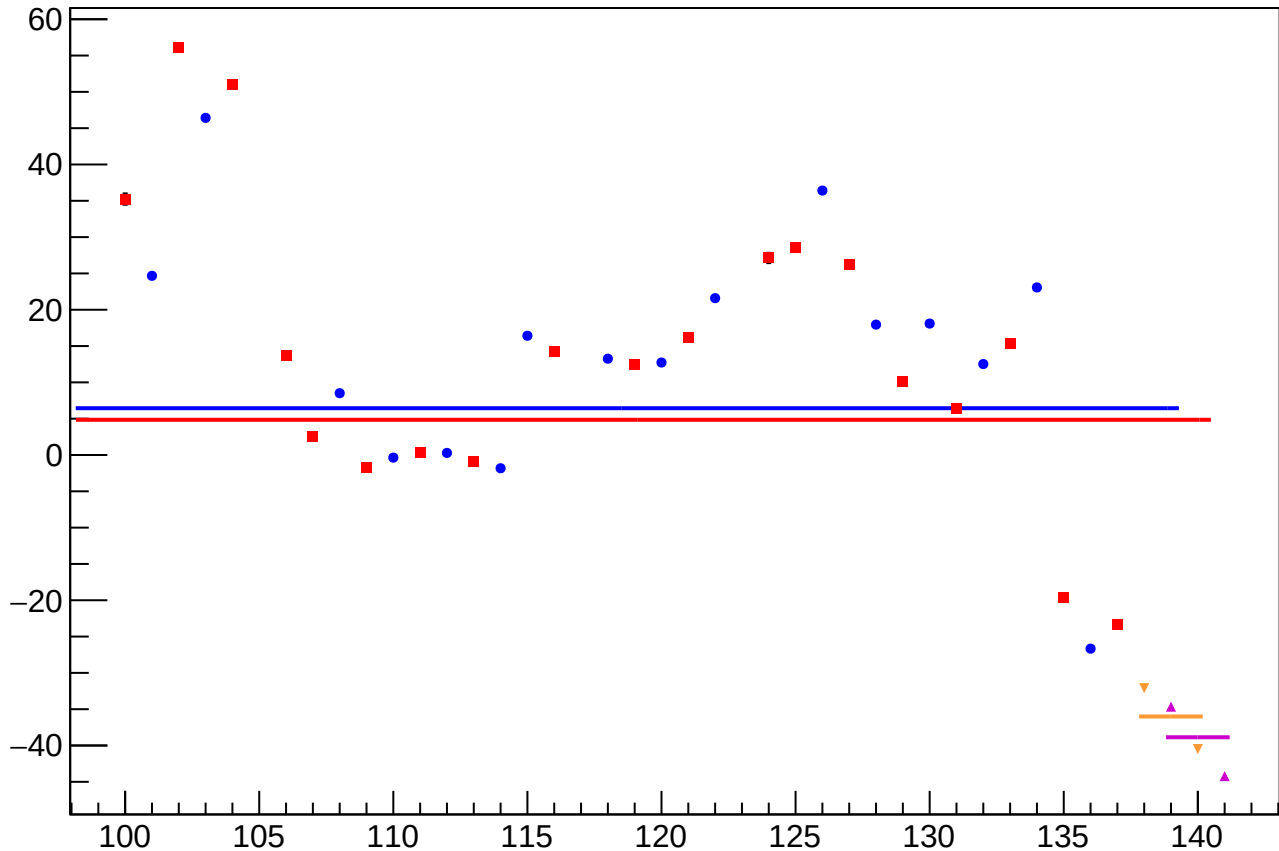
All: 0.886 ± 0.033 χ^2/NDF : 288120.8/38

- sign 1.169 ± 0.044 χ^2/NDF : 150066.1/20

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442 ± 0.065 χ^2/NDF : 70630.3/15

Left Out: -36.005 ± 0.154 χ^2/NDF : 738.0/1

Right Out: 4.848 ± 0.059 χ^2/NDF : 75159.9/18

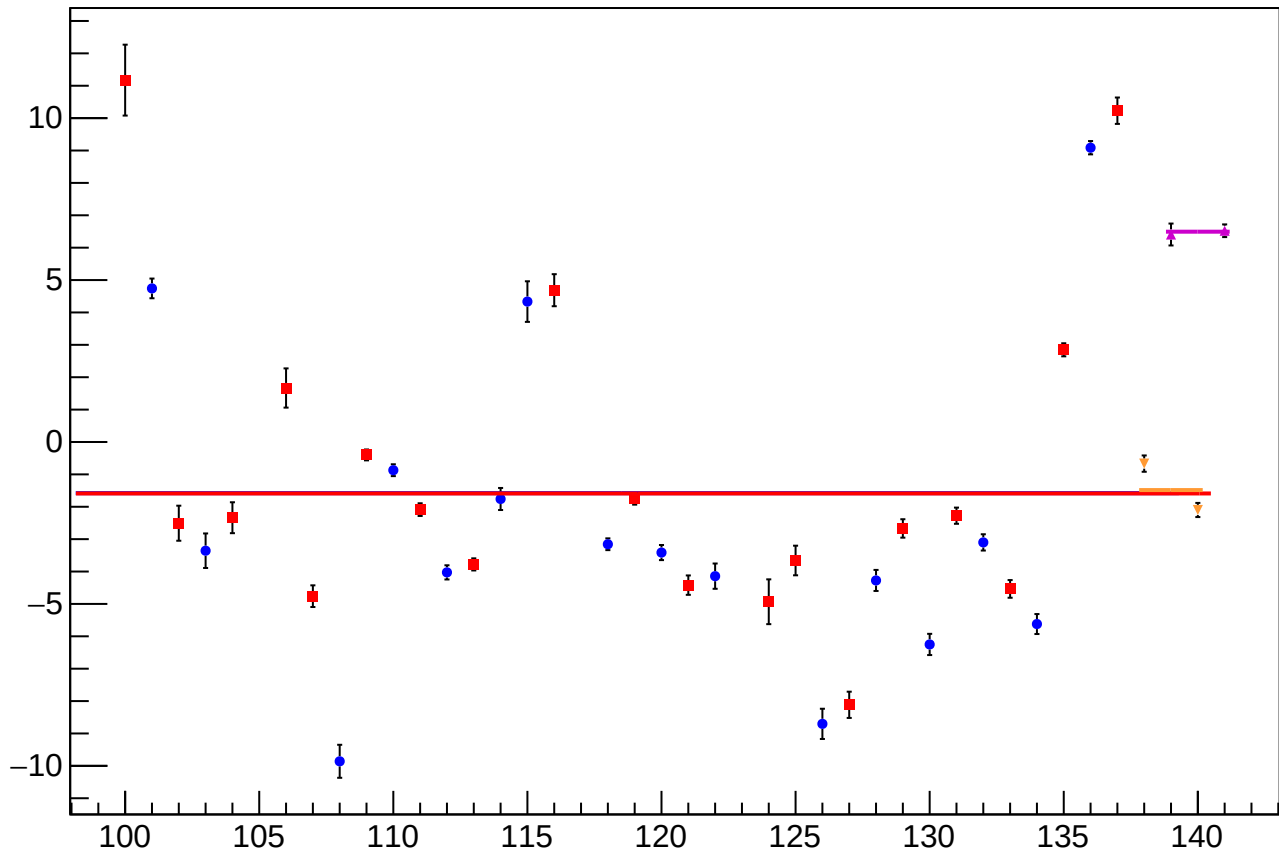
Left In: -38.865 ± 0.153 χ^2/NDF : 966.3/1

+ sign 0.051 ± 0.060 χ^2/NDF : 135866.7/17

All: -0.406 ± 0.040 χ^2/NDF : 283346.9/38

- sign -0.791 ± 0.055 χ^2/NDF : 147372.5/20

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580 ± 0.069 $\chi^2/\text{NDF}: 4524.3/15$

Left Out: -1.485 ± 0.165 $\chi^2/\text{NDF}: 18.4/1$

Right Out: -1.589 ± 0.064 $\chi^2/\text{NDF}: 2472.2/18$

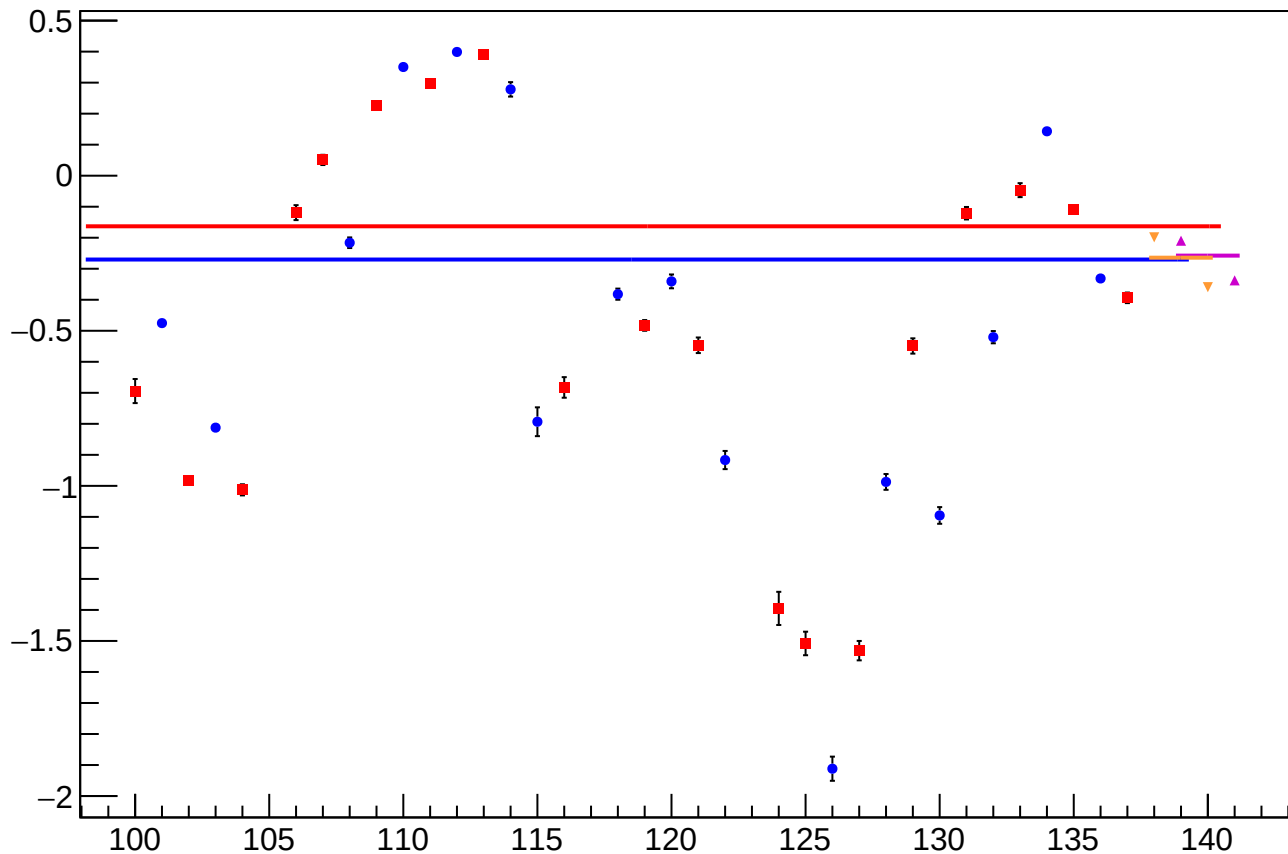
Left In: 6.494 ± 0.169 $\chi^2/\text{NDF}: 0.1/1$

+ sign -1.566 ± 0.064 $\chi^2/\text{NDF}: 4543.0/17$

All: -1.040 ± 0.044 $\chi^2/\text{NDF}: 9131.8/38$

- sign -0.574 ± 0.060 $\chi^2/\text{NDF}: 4460.8/20$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.004 $\chi^2/\text{NDF}: 12036.3/15$

Left Out: -0.264 ± 0.006 $\chi^2/\text{NDF}: 158.7/1$

Right Out: -0.163 ± 0.004 $\chi^2/\text{NDF}: 15510.0/18$

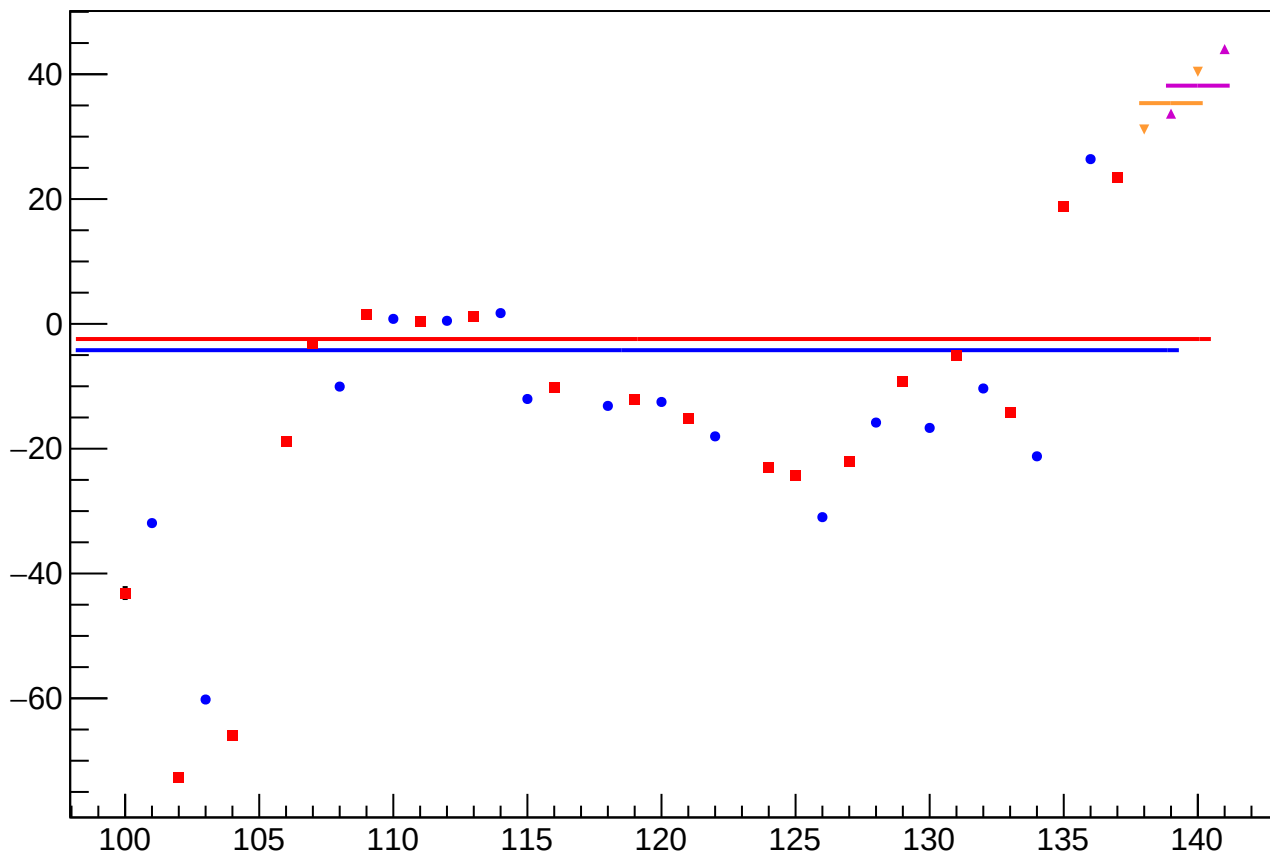
Left In: -0.258 ± 0.006 $\chi^2/\text{NDF}: 116.5/1$

+ sign -0.269 ± 0.003 $\chi^2/\text{NDF}: 12195.6/17$

All: -0.227 ± 0.002 $\chi^2/\text{NDF}: 28280.7/38$

- sign -0.192 ± 0.003 $\chi^2/\text{NDF}: 15815.9/20$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214 ± 0.055 χ^2/NDF : 75215.4/15

Left Out: 35.370 ± 0.149 χ^2/NDF : 954.3/1

Right Out: -2.427 ± 0.046 χ^2/NDF : 80724.5/18

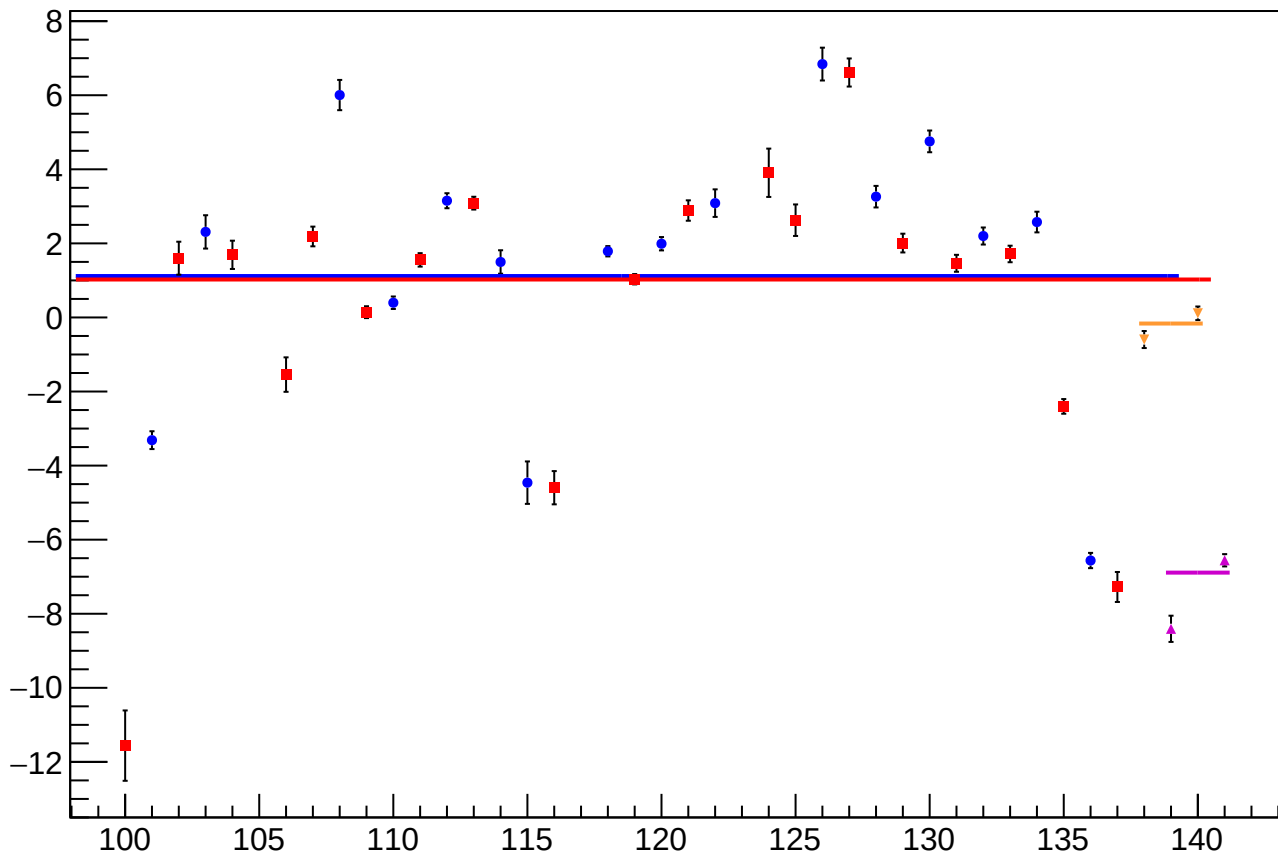
Left In: 38.172 ± 0.148 χ^2/NDF : 1194.9/1

+ sign 0.476 ± 0.051 χ^2/NDF : 138198.6/17

All: 0.870 ± 0.033 χ^2/NDF : 288524.7/38

- sign 1.161 ± 0.044 χ^2/NDF : 150223.9/20

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118 $\pm$ 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

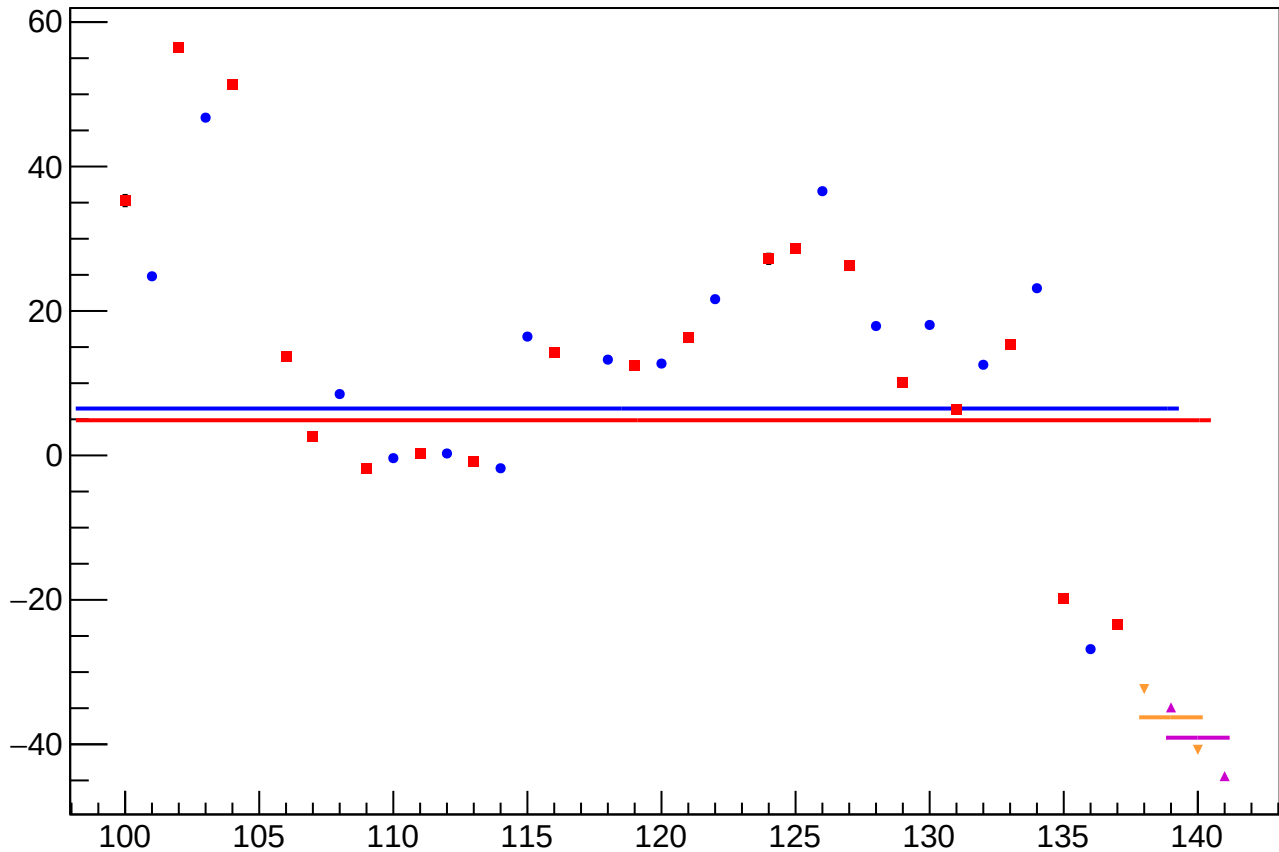
Left In: -6.890 $\pm$ 0.150 χ^2 /NDF: 22.4/1

+ sign 0.925 $\pm$ 0.056 χ^2 /NDF: 2665.3/17

All: 0.455 $\pm$ 0.039 χ^2 /NDF: 6858.9/38

- sign 0.022 $\pm$ 0.053 χ^2 /NDF: 4056.7/20

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492 ± 0.065 χ^2/NDF : 70623.9/15

Left Out: -36.263 ± 0.155 χ^2/NDF : 733.6/1

Right Out: 4.869 ± 0.059 χ^2/NDF : 75265.6/18

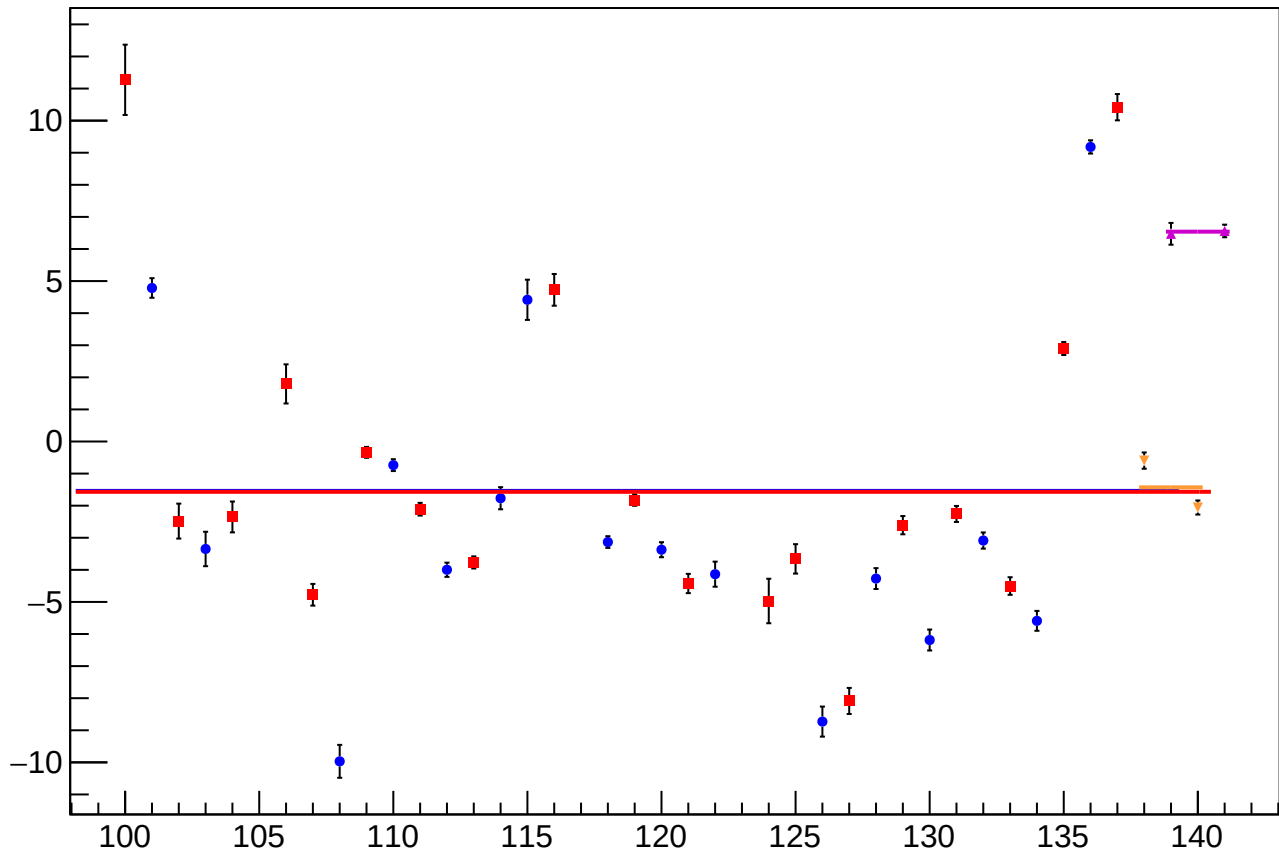
Left In: -39.084 ± 0.154 χ^2/NDF : 948.7/1

+ sign 0.047 ± 0.060 χ^2/NDF : 136125.0/17

All: -0.423 ± 0.041 χ^2/NDF : 283819.3/38

- sign -0.821 ± 0.055 χ^2/NDF : 147581.1/20

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540 ± 0.070 χ^2/NDF : 4535.9/15

Left Out: -1.430 ± 0.166 χ^2/NDF : 19.0/1

Right Out: -1.567 ± 0.065 χ^2/NDF : 2497.0/18

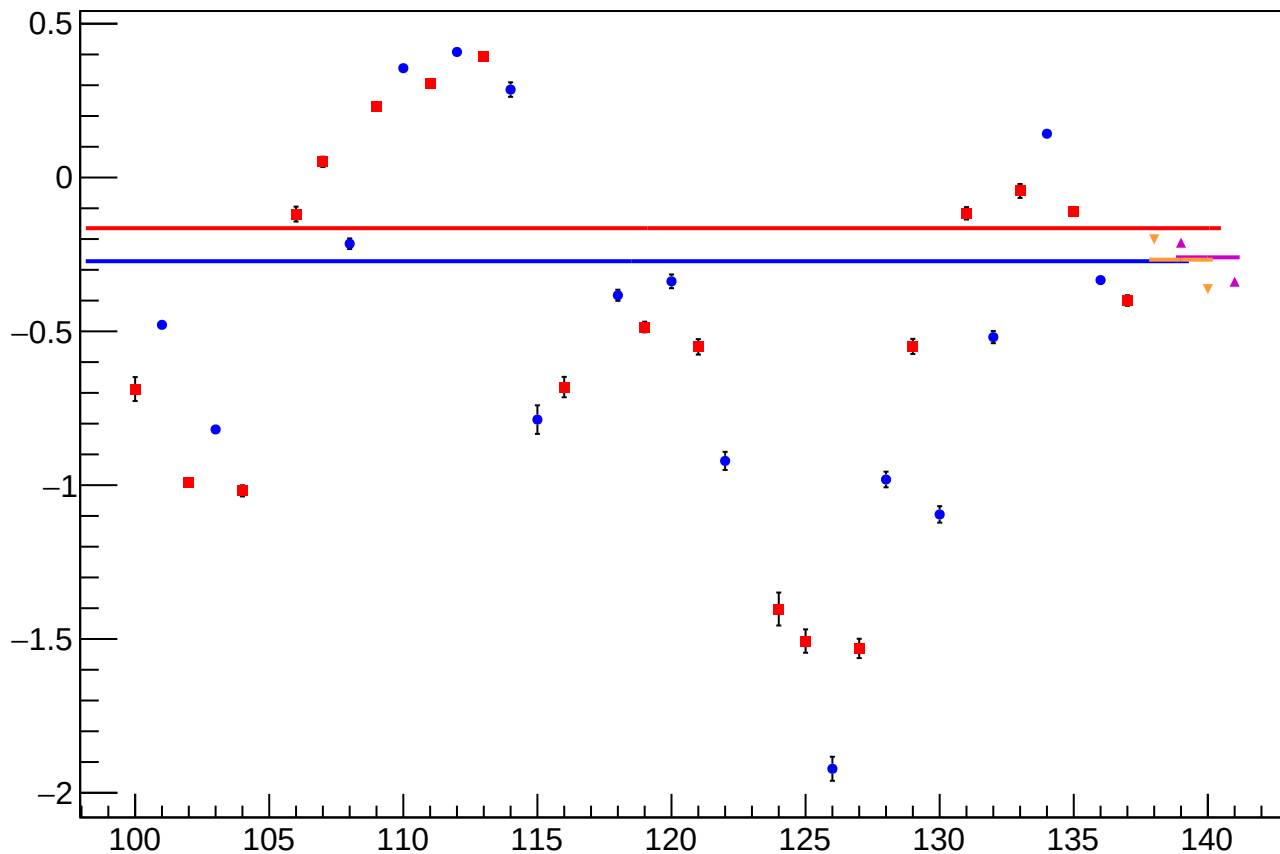
Left In: 6.540 ± 0.170 χ^2/NDF : 0.1/1

+ sign -1.523 ± 0.064 χ^2/NDF : 4555.3/17

All: -1.005 ± 0.044 χ^2/NDF : 9158.6/38

- sign -0.547 ± 0.060 χ^2/NDF : 4480.4/20

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 $\chi^2/\text{NDF}: 12063.6/15$

Left Out: -0.267 ± 0.006 $\chi^2/\text{NDF}: 159.4/1$

Right Out: -0.165 ± 0.004 $\chi^2/\text{NDF}: 15490.5/18$

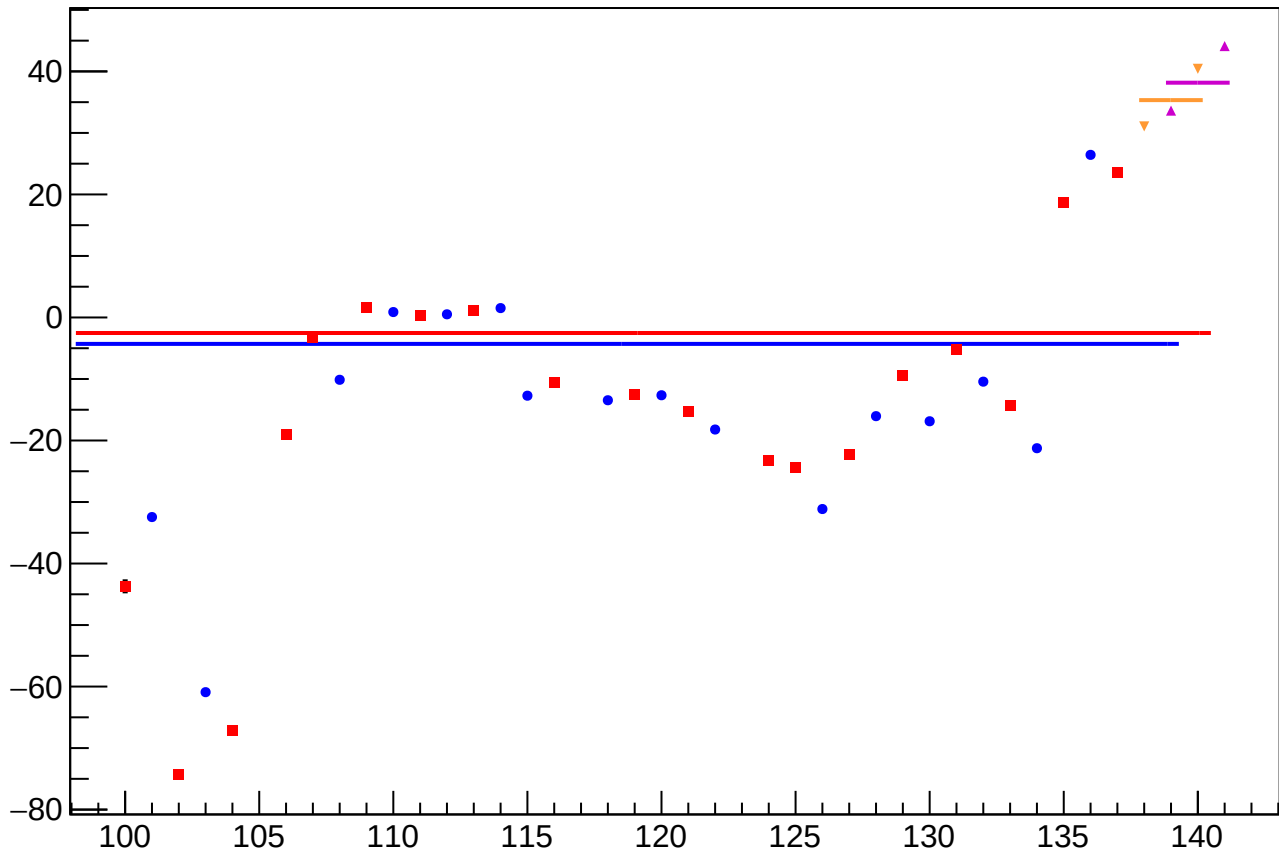
Left In: -0.259 ± 0.006 $\chi^2/\text{NDF}: 113.7/1$

+ sign -0.271 ± 0.003 $\chi^2/\text{NDF}: 12223.5/17$

All: -0.229 ± 0.002 $\chi^2/\text{NDF}: 28285.1/38$

- sign -0.193 ± 0.003 $\chi^2/\text{NDF}: 15792.8/20$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296 ± 0.056 χ^2/NDF : 74218.3/15

Left Out: 35.332 ± 0.151 χ^2/NDF : 960.3/1

Right Out: -2.524 ± 0.047 χ^2/NDF : 79883.8/18

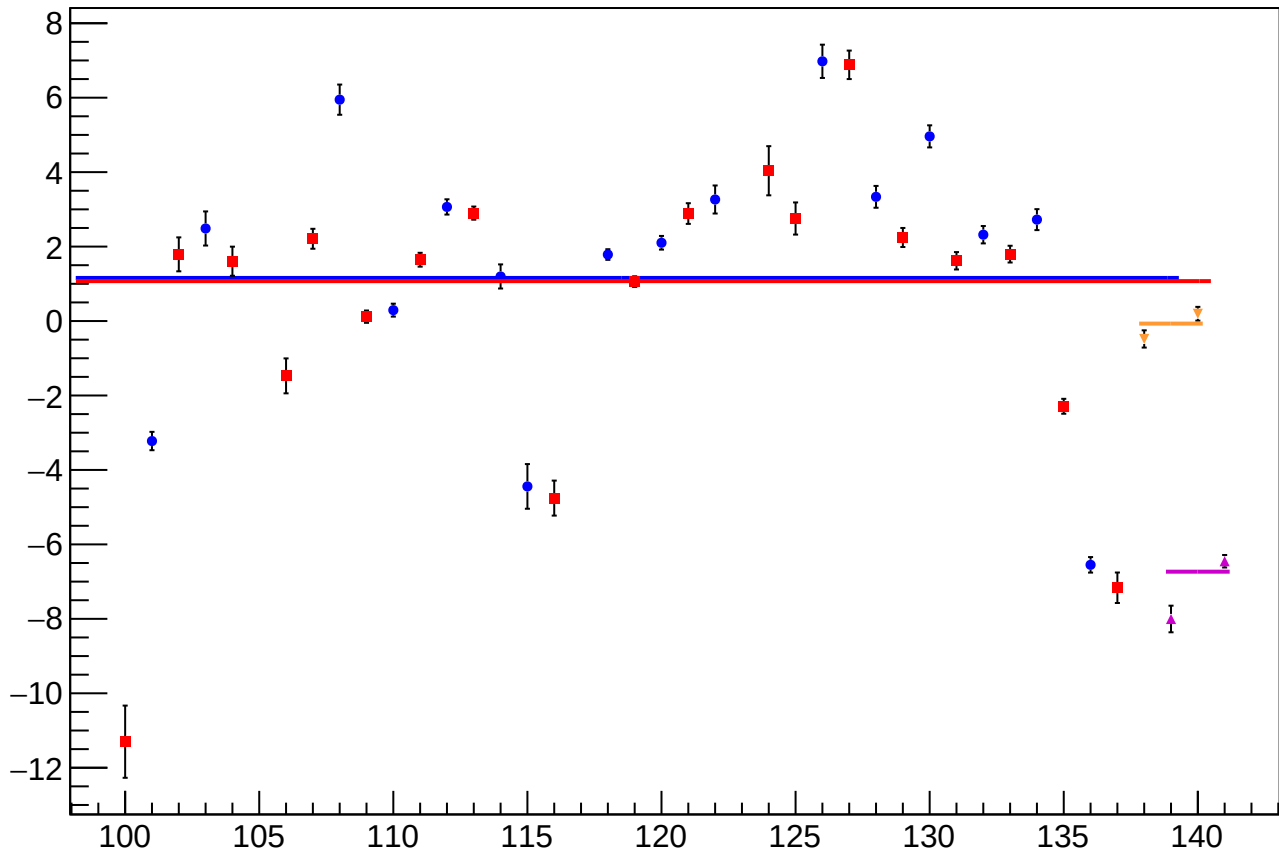
Left In: 38.164 ± 0.150 χ^2/NDF : 1201.9/1

+ sign 0.483 ± 0.052 χ^2/NDF : 136139.6/17

All: 0.865 ± 0.034 χ^2/NDF : 284326.5/38

- sign 1.149 ± 0.045 χ^2/NDF : 148093.7/20

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158 ± 0.062 χ^2/NDF : 2549.9/15

Left Out: -0.069 ± 0.145 χ^2/NDF : 5.2/1

Right Out: 1.072 ± 0.058 χ^2/NDF : 1551.4/18

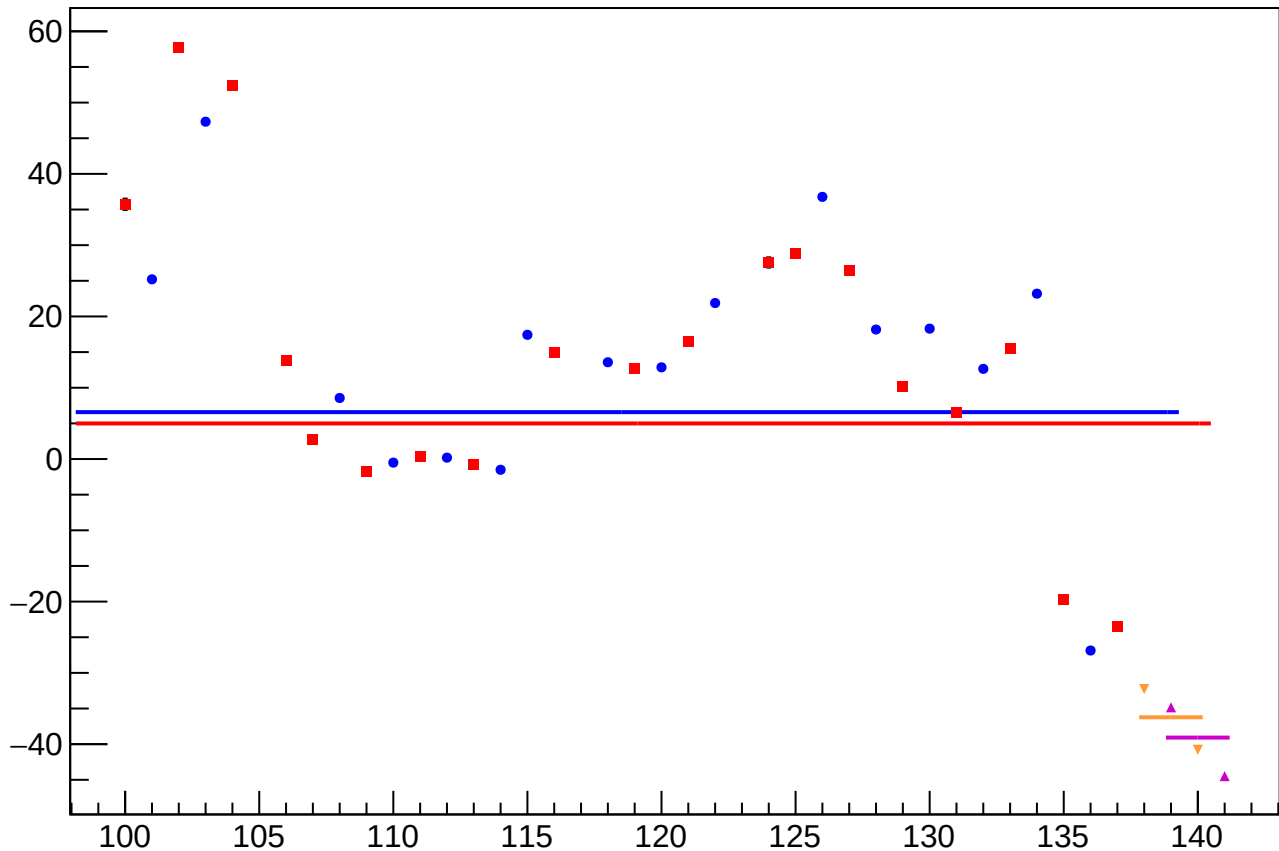
Left In: -6.733 ± 0.152 χ^2/NDF : 15.4/1

+ sign 0.970 ± 0.057 χ^2/NDF : 2616.0/17

All: 0.503 ± 0.039 χ^2/NDF : 6611.9/38

- sign 0.070 ± 0.054 χ^2/NDF : 3864.7/20

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578 ± 0.066 χ^2/NDF : 69731.5/15

Left Out: -36.229 ± 0.156 χ^2/NDF : 738.6/1

Right Out: 4.992 ± 0.060 χ^2/NDF : 74461.3/18

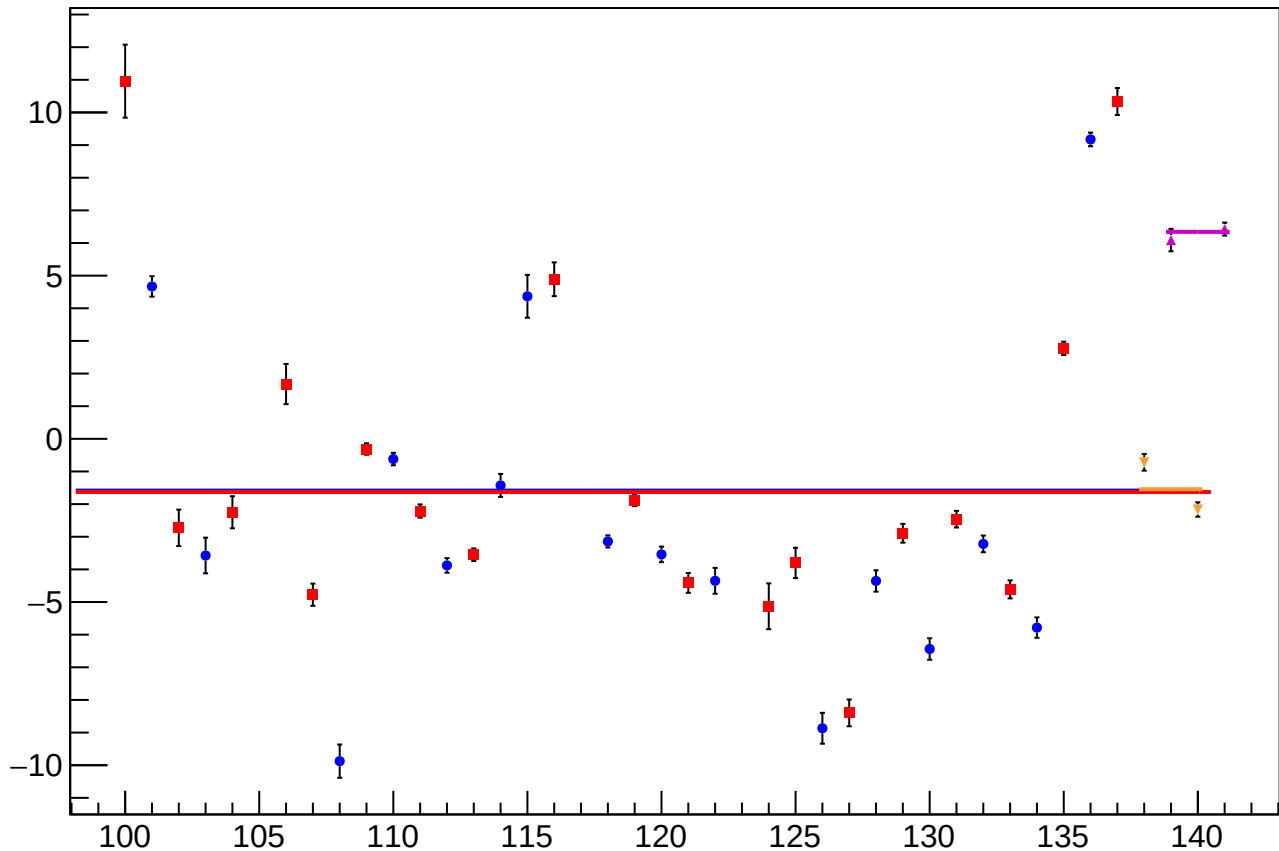
Left In: -39.079 ± 0.155 χ^2/NDF : 954.2/1

+ sign 0.024 ± 0.061 χ^2/NDF : 134111.9/17

All: -0.427 ± 0.041 χ^2/NDF : 279673.4/38

- sign -0.810 ± 0.056 χ^2/NDF : 145460.7/20

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586 ± 0.071 χ^2/NDF : 4472.6/15

Left Out: -1.544 ± 0.167 χ^2/NDF : 18.3/1

Right Out: -1.628 ± 0.066 χ^2/NDF : 2422.3/18

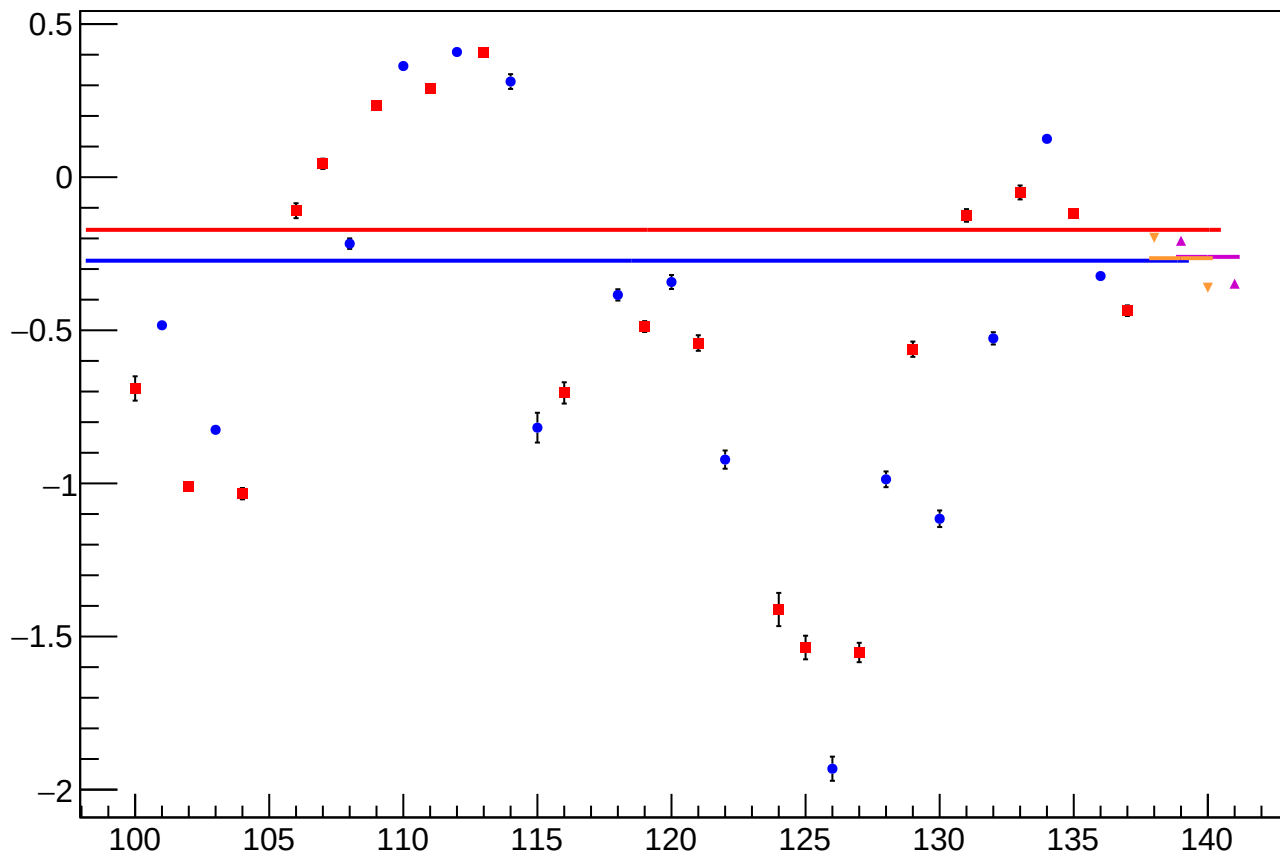
Left In: 6.341 ± 0.172 χ^2/NDF : 0.7/1

+ sign -1.580 ± 0.065 χ^2/NDF : 4491.0/17

All: -1.067 ± 0.045 χ^2/NDF : 8900.5/38

- sign -0.611 ± 0.061 χ^2/NDF : 4292.8/20

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273 ± 0.004 χ^2/NDF : 11856.3/15

Left Out: -0.265 ± 0.006 χ^2/NDF : 158.8/1

Right Out: -0.172 ± 0.004 χ^2/NDF : 15322.3/18

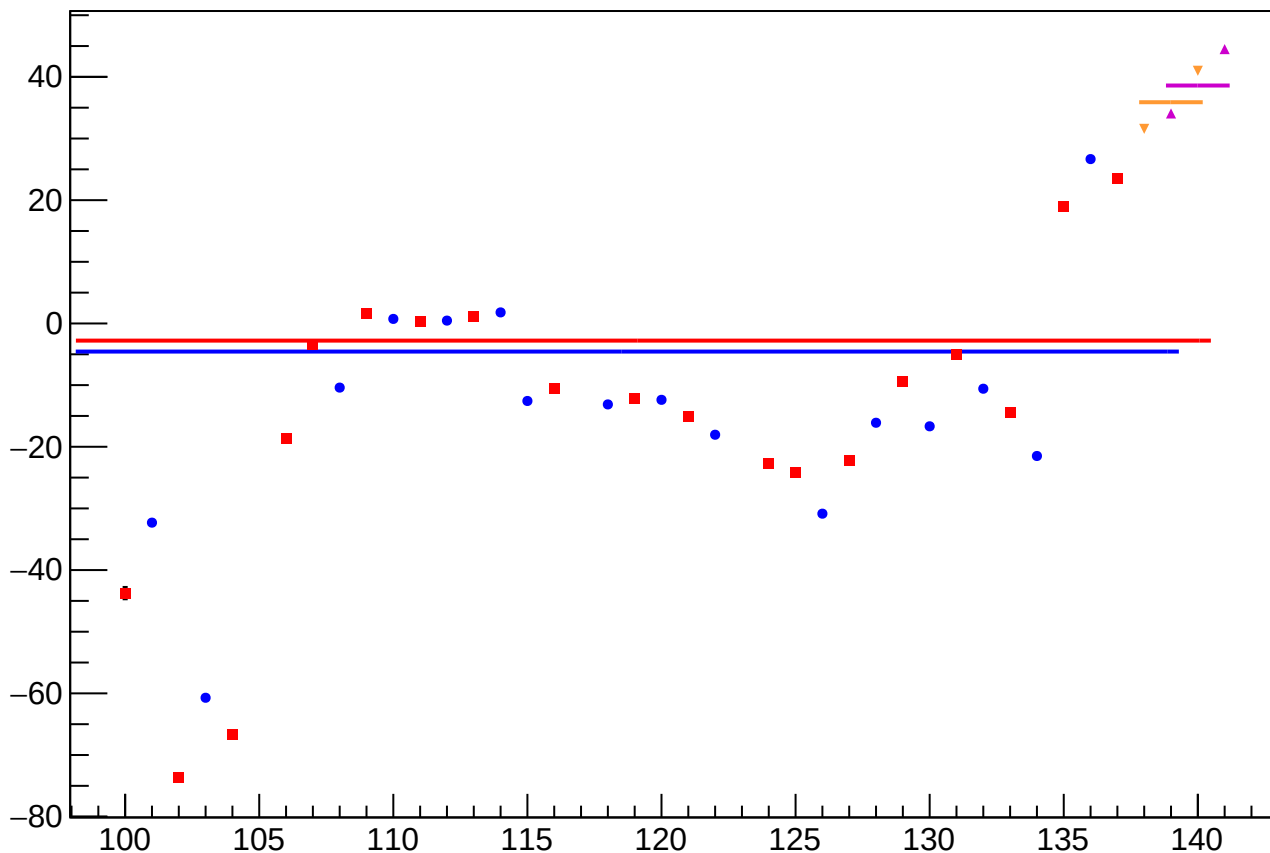
Left In: -0.260 ± 0.006 χ^2/NDF : 135.7/1

+ sign -0.270 ± 0.004 χ^2/NDF : 12016.2/17

All: -0.231 ± 0.002 χ^2/NDF : 27856.8/38

- sign -0.199 ± 0.003 χ^2/NDF : 15617.4/20

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557 ± 0.057 χ^2/NDF : 72635.2/15

Left Out: 35.888 ± 0.154 χ^2/NDF : 925.7/1

Right Out: -2.780 ± 0.049 χ^2/NDF : 77905.3/18

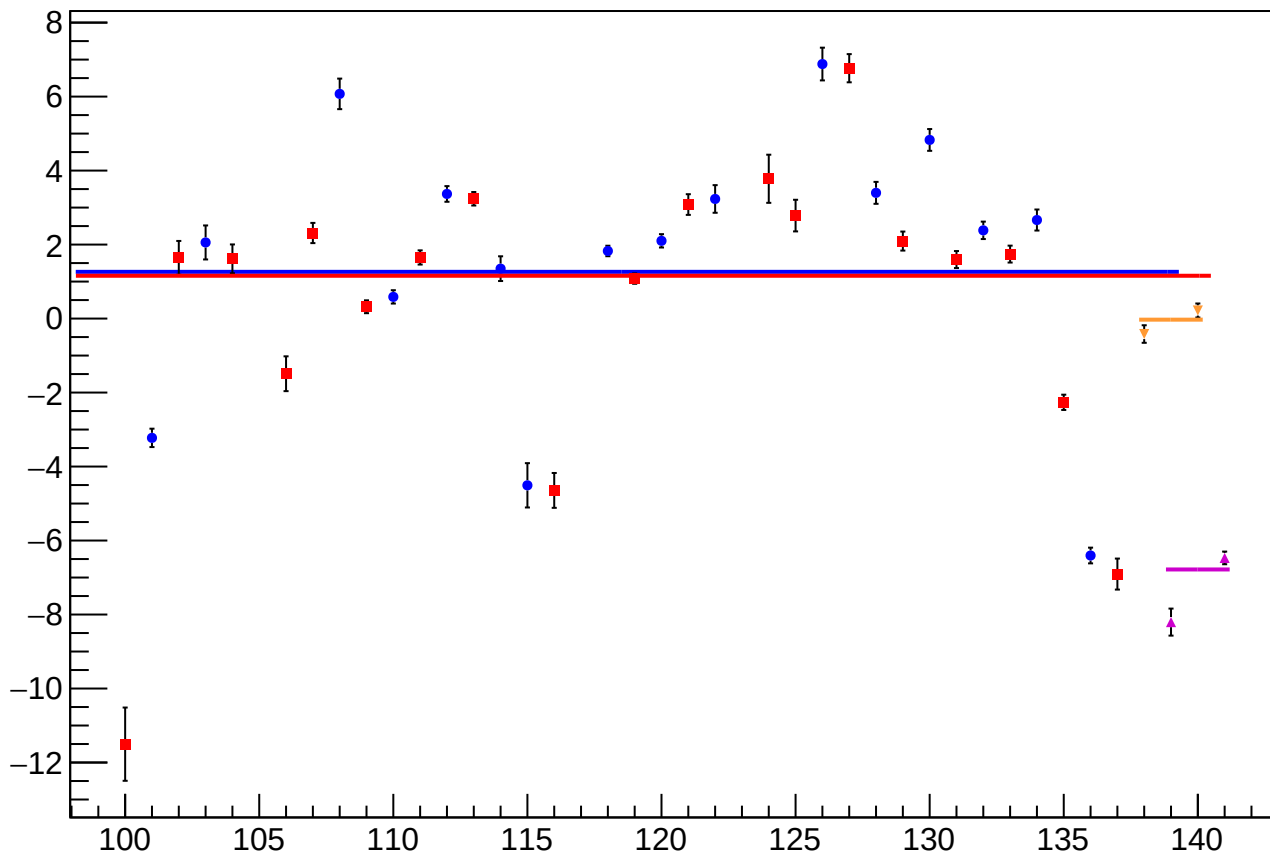
Left In: 38.597 ± 0.153 χ^2/NDF : 1143.1/1

+ sign 0.269 ± 0.053 χ^2/NDF : 134059.5/17

All: 0.685 ± 0.035 χ^2/NDF : 279649.8/38

- sign 0.998 ± 0.046 χ^2/NDF : 145483.5/20

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263 ± 0.062 χ^2/NDF : 2443.8/15

Left Out: -0.030 ± 0.148 χ^2/NDF : 4.4/1

Right Out: 1.157 ± 0.059 χ^2/NDF : 1490.5/18

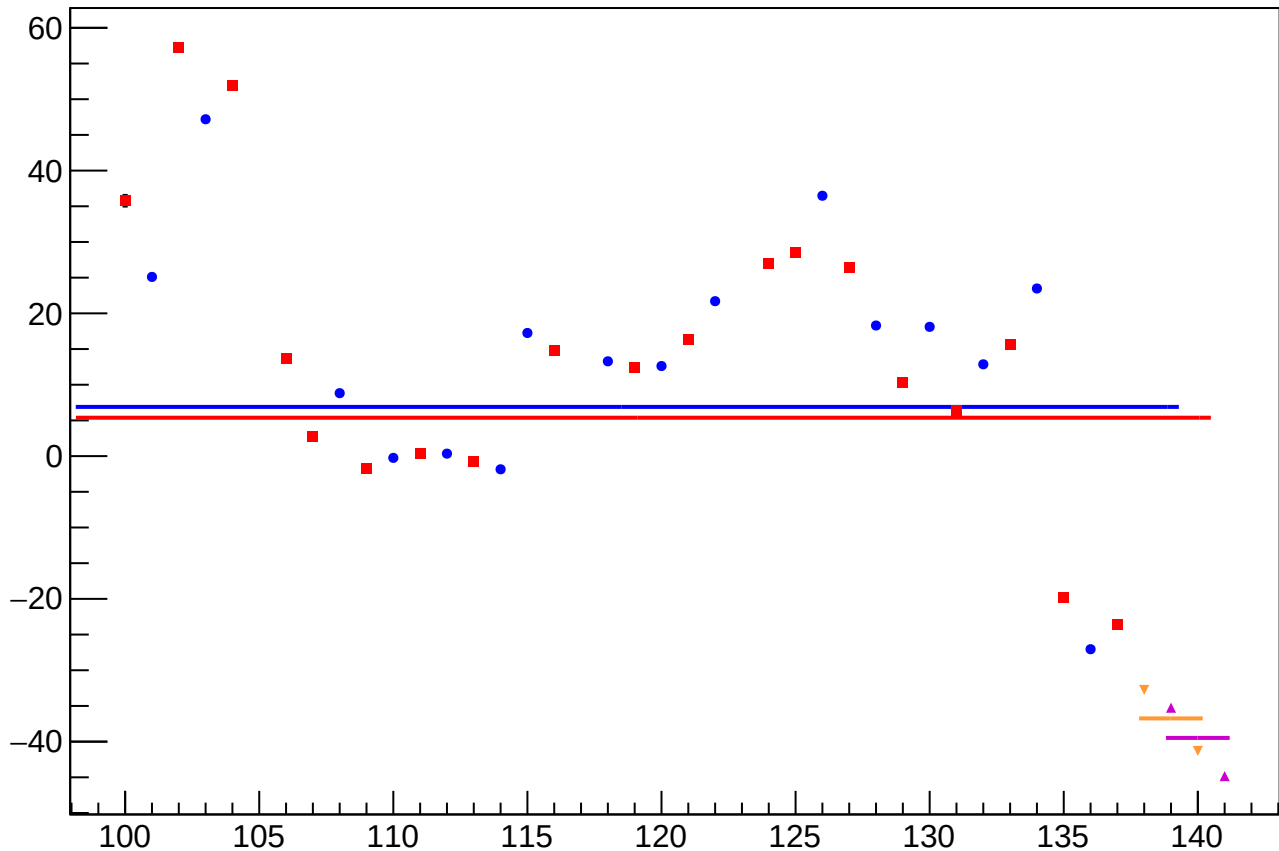
Left In: -6.782 ± 0.155 χ^2/NDF : 18.5/1

+ sign 1.070 ± 0.057 χ^2/NDF : 2513.0/17

All: 0.593 ± 0.040 χ^2/NDF : 6447.2/38

- sign 0.149 ± 0.055 χ^2/NDF : 3800.1/20

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895 ± 0.067 χ^2/NDF : 68047.4/15

Left Out: -36.747 ± 0.160 χ^2/NDF : 709.3/1

Right Out: 5.381 ± 0.062 χ^2/NDF : 72230.2/18

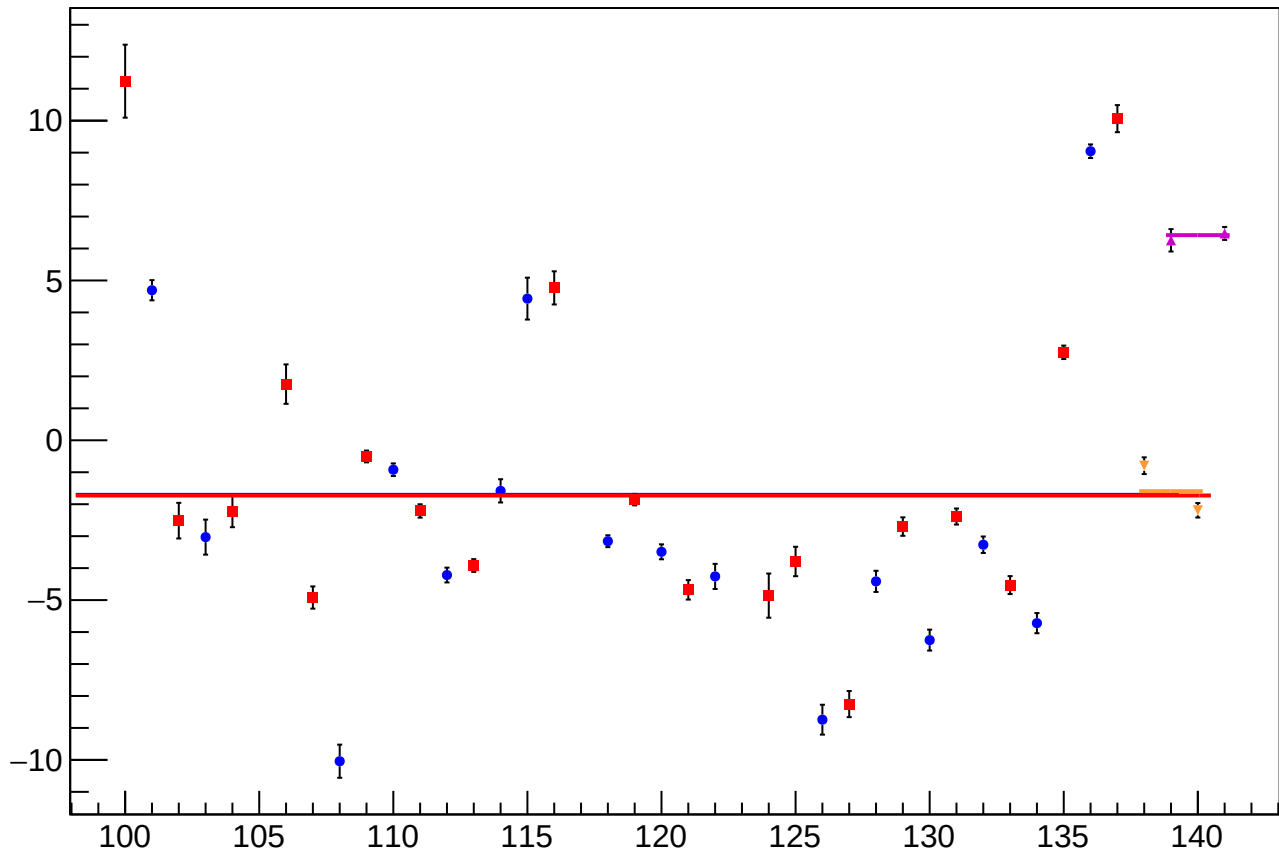
Left In: -39.479 ± 0.158 χ^2/NDF : 902.8/1

+ sign 0.330 ± 0.062 χ^2/NDF : 131894.0/17

All: -0.132 ± 0.042 χ^2/NDF : 274788.0/38

- sign -0.528 ± 0.057 χ^2/NDF : 142791.2/20

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708 ± 0.072 χ^2/NDF : 4289.8/15

Left Out: -1.593 ± 0.171 χ^2/NDF : 16.2/1

Right Out: -1.727 ± 0.067 χ^2/NDF : 2309.6/18

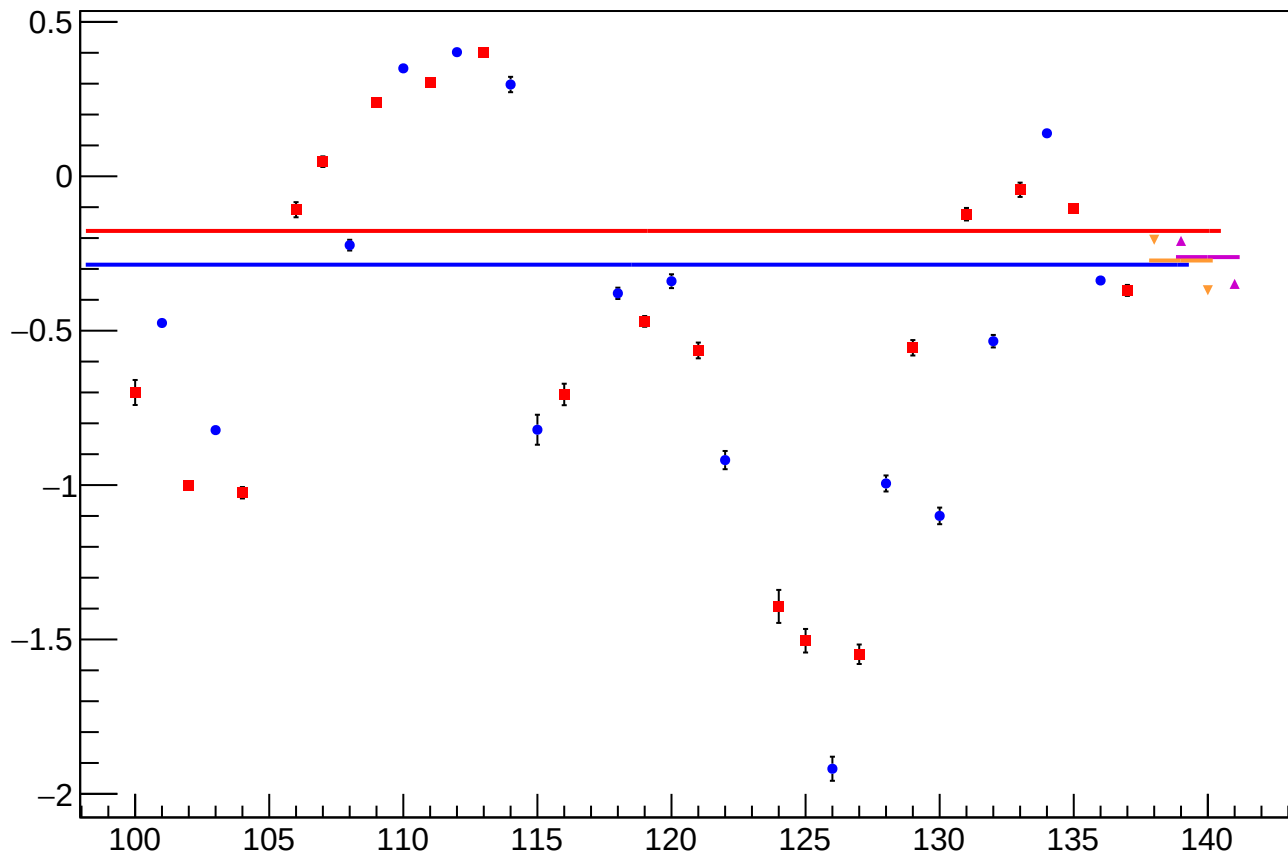
Left In: 6.418 ± 0.176 χ^2/NDF : 0.3/1

+ sign -1.691 ± 0.066 χ^2/NDF : 4306.4/17

All: -1.165 ± 0.045 χ^2/NDF : 8617.0/38

- sign -0.695 ± 0.062 χ^2/NDF : 4190.7/20

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286 ± 0.004 χ^2/NDF : 11361.1/15

Left Out: -0.273 ± 0.007 χ^2/NDF : 152.1/1

Right Out: -0.177 ± 0.004 χ^2/NDF : 14767.8/18

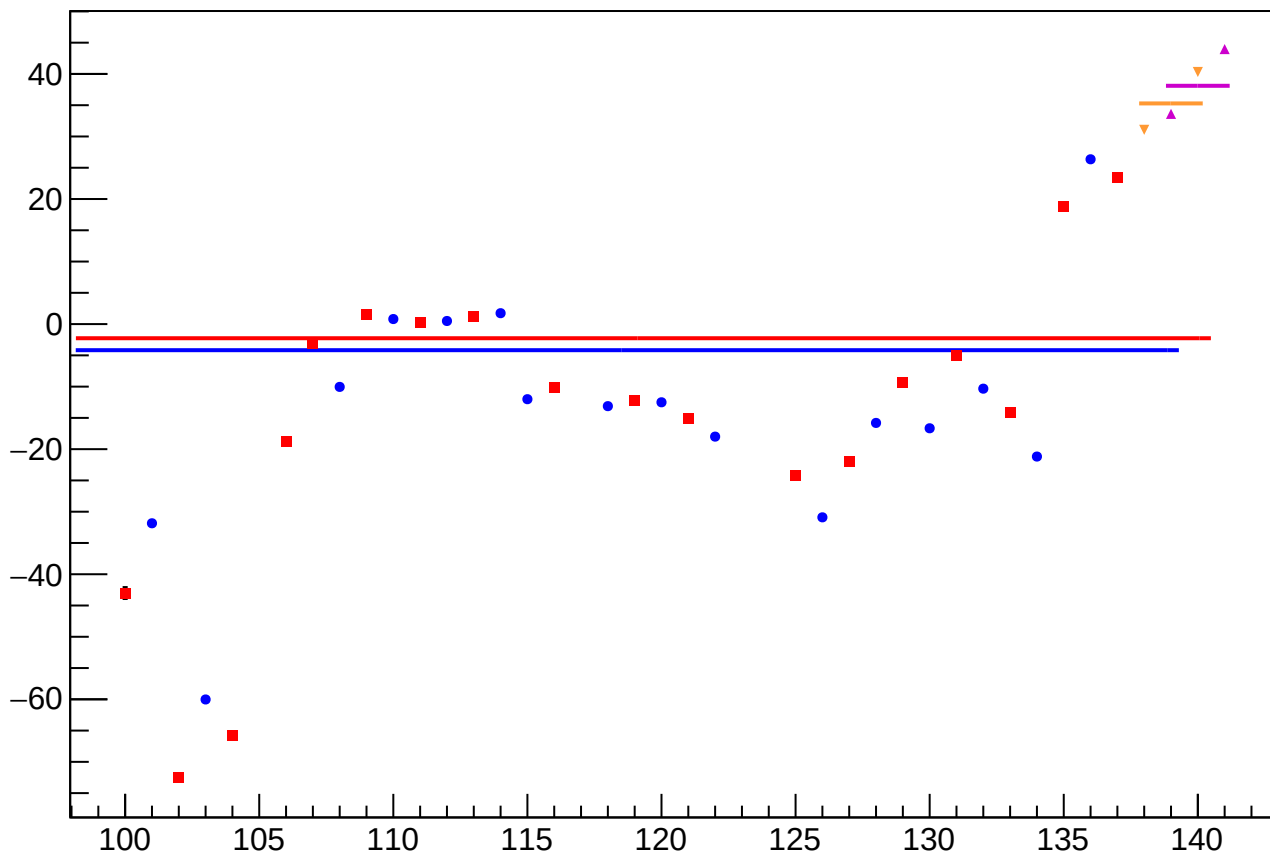
Left In: -0.262 ± 0.006 χ^2/NDF : 128.8/1

+ sign -0.282 ± 0.004 χ^2/NDF : 11516.2/17

All: -0.239 ± 0.002 χ^2/NDF : 26819.7/38

- sign -0.203 ± 0.003 χ^2/NDF : 15037.7/20

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: -4.173 ± 0.054 $\chi^2/\text{NDF}: 75394.5/15$

Left Out: 35.285 ± 0.149 $\chi^2/\text{NDF}: 959.1/1$

Right Out: -2.261 ± 0.046 $\chi^2/\text{NDF}: 79624.4/17$

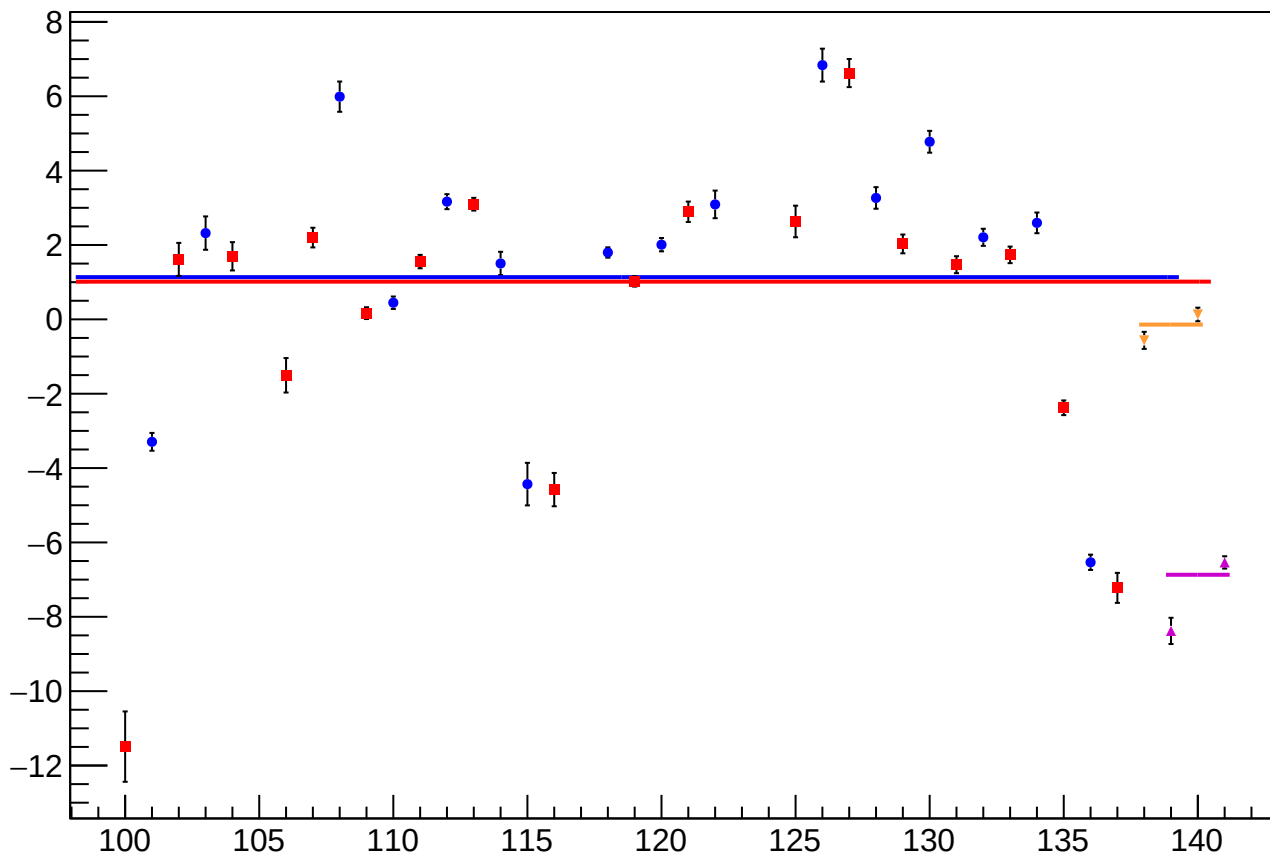
Left In: 38.105 ± 0.148 $\chi^2/\text{NDF}: 1204.8/1$

+ sign 0.490 ± 0.051 $\chi^2/\text{NDF}: 138412.3/17$

All: 0.959 ± 0.033 $\chi^2/\text{NDF}: 287305.5/37$

- sign 1.305 ± 0.044 $\chi^2/\text{NDF}: 148747.0/19$

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

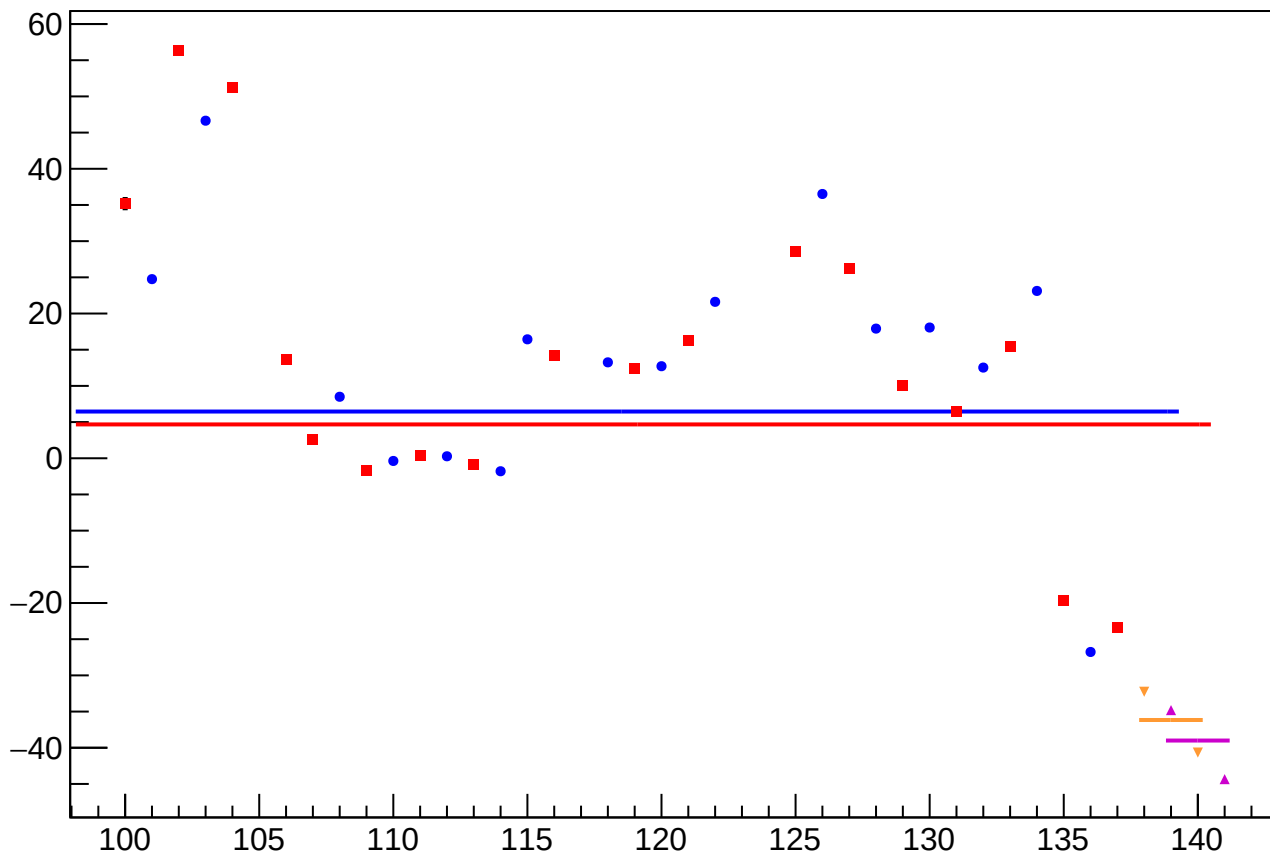
Left In: -6.869 $\pm$ 0.150 χ^2 /NDF: 22.3/1

+ sign 0.943 $\pm$ 0.055 χ^2 /NDF: 2668.9/17

All: 0.460 $\pm$ 0.038 χ^2 /NDF: 6845.9/37

- sign 0.012 $\pm$ 0.053 χ^2 /NDF: 4030.7/19

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

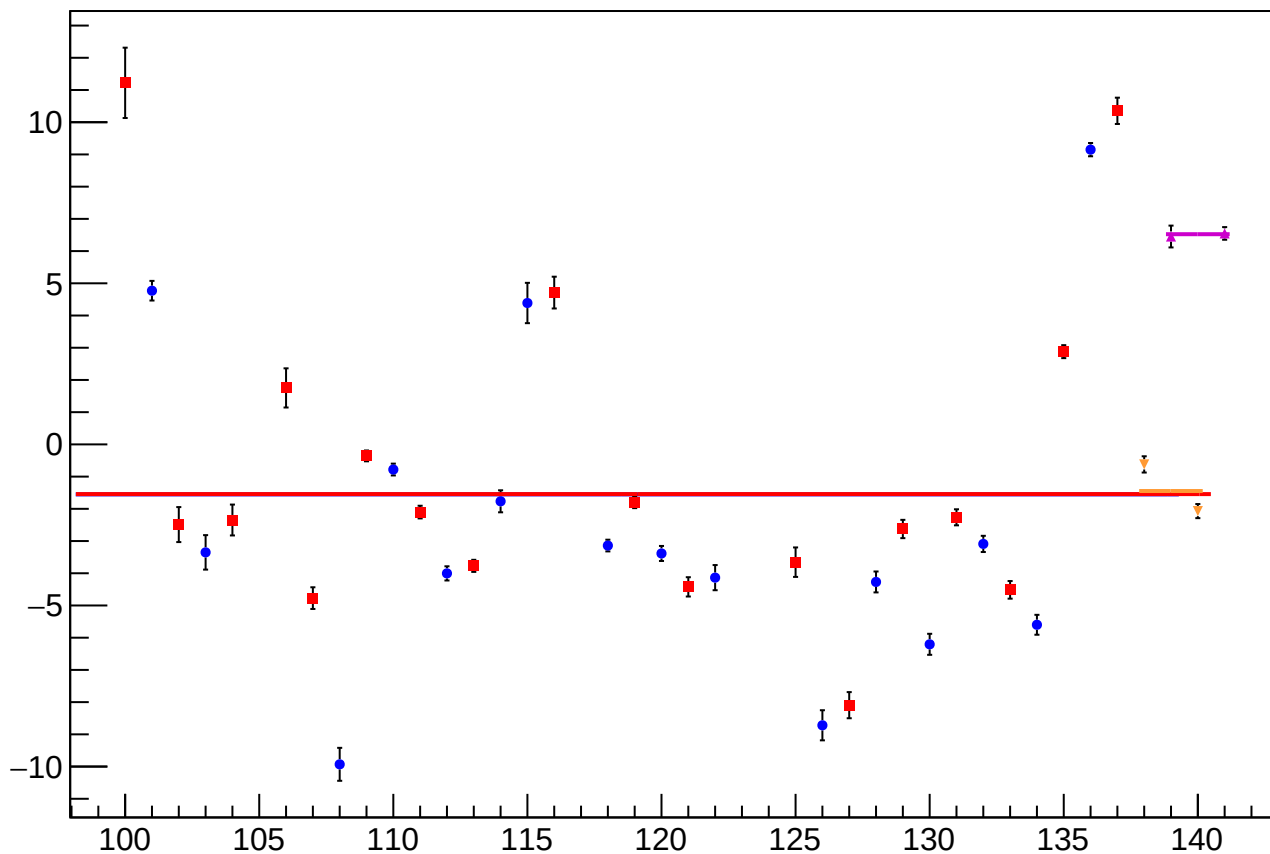
Left In: -39.003+/-0.153 χ^2/NDF : 957.1/1

+ sign 0.042+/-0.060 χ^2/NDF : 136332.1/17

All: -0.515+/-0.041 χ^2/NDF : 282737.2/37

- sign -0.988+/-0.055 χ^2/NDF : 146244.9/19

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

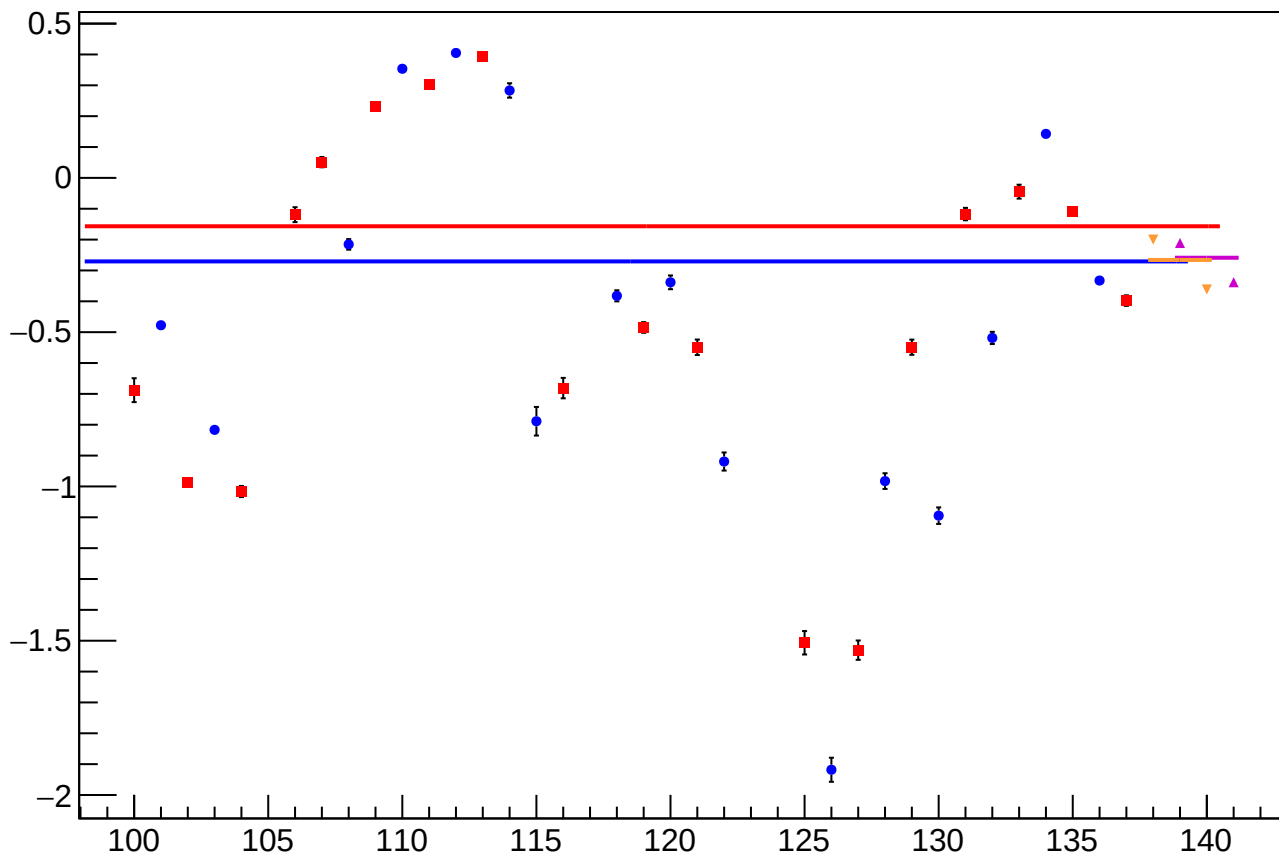
Left In: 6.524 ± 0.170 χ^2/NDF : 0.1/1

+ sign -1.536 ± 0.064 χ^2/NDF : 4562.7/17

All: -1.001 ± 0.044 χ^2/NDF : 9142.2/37

- sign -0.523 ± 0.060 χ^2/NDF : 4446.6/19

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.271 $\pm$ 0.004 χ^2 /NDF: 12096.1/15

Left Out: -0.266 $\pm$ 0.006 χ^2 /NDF: 159.6/1

Right Out: -0.157 $\pm$ 0.004 χ^2 /NDF: 15019.0/17

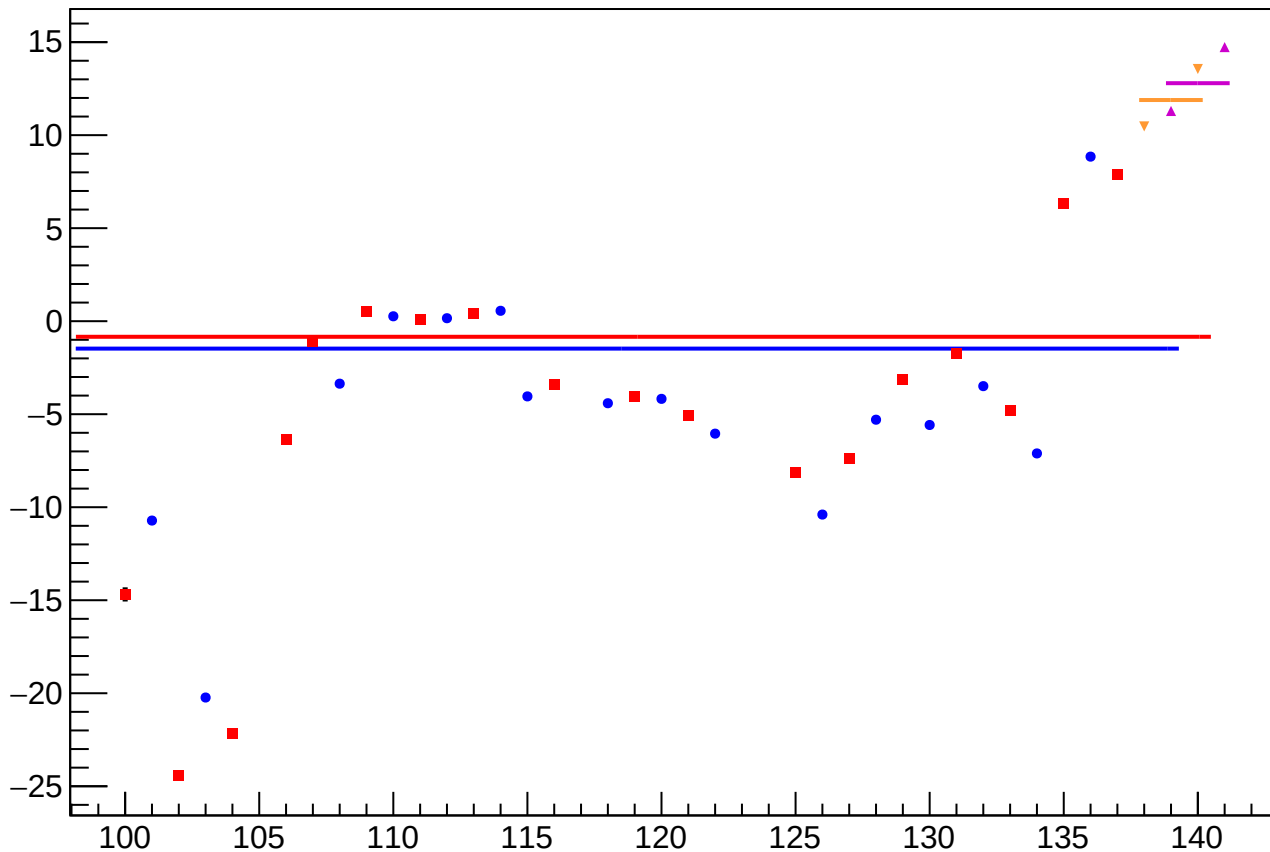
Left In: -0.259 $\pm$ 0.006 χ^2 /NDF: 115.0/1

+ sign -0.269 $\pm$ 0.003 χ^2 /NDF: 12256.1/17

All: -0.225 $\pm$ 0.002 χ^2 /NDF: 27911.9/37

- sign -0.188 $\pm$ 0.003 χ^2 /NDF: 15353.4/19

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

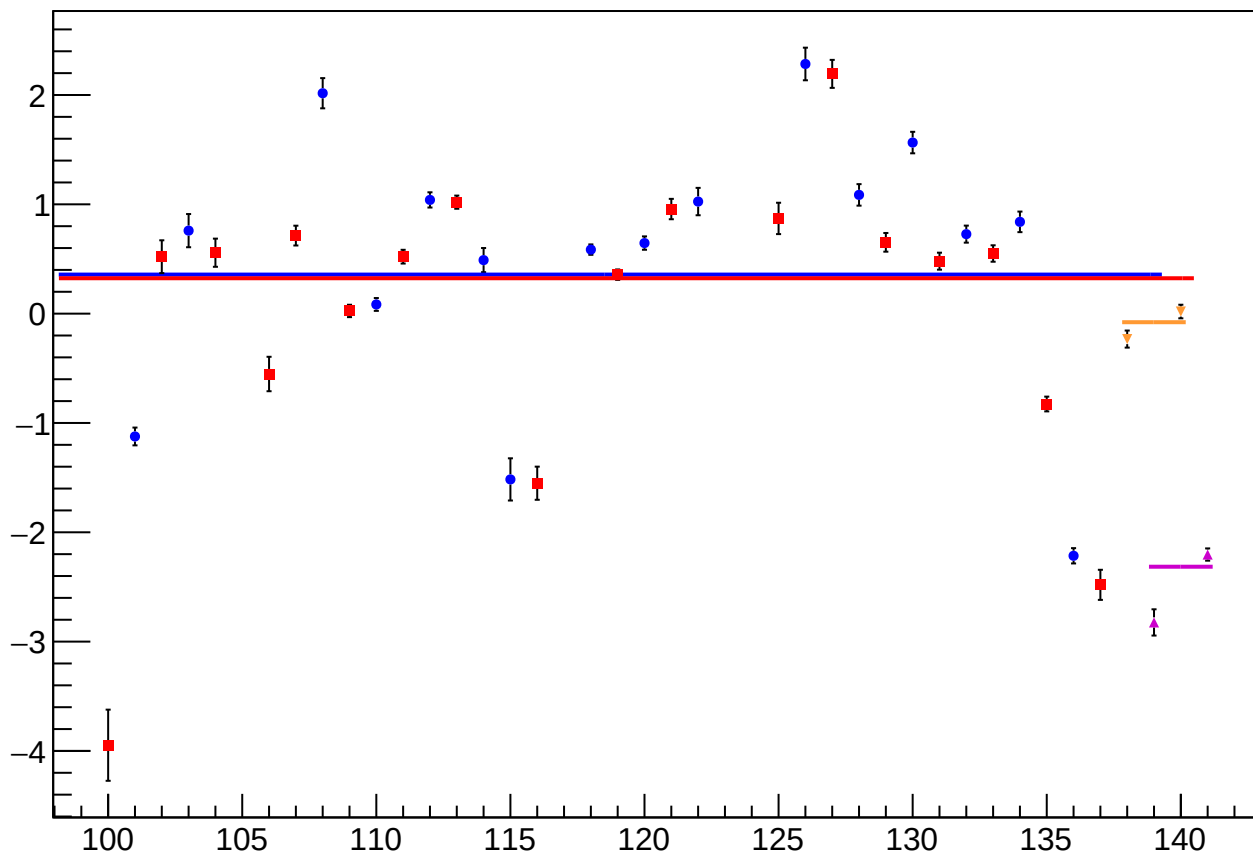
Left In: 12.794 ± 0.050 χ^2/NDF : 1148.1/1

+ sign 0.135 ± 0.018 χ^2/NDF : 135886.8/17

All: 0.298 ± 0.012 χ^2/NDF : 282019.4/37

- sign 0.421 ± 0.015 χ^2/NDF : 145981.9/19

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

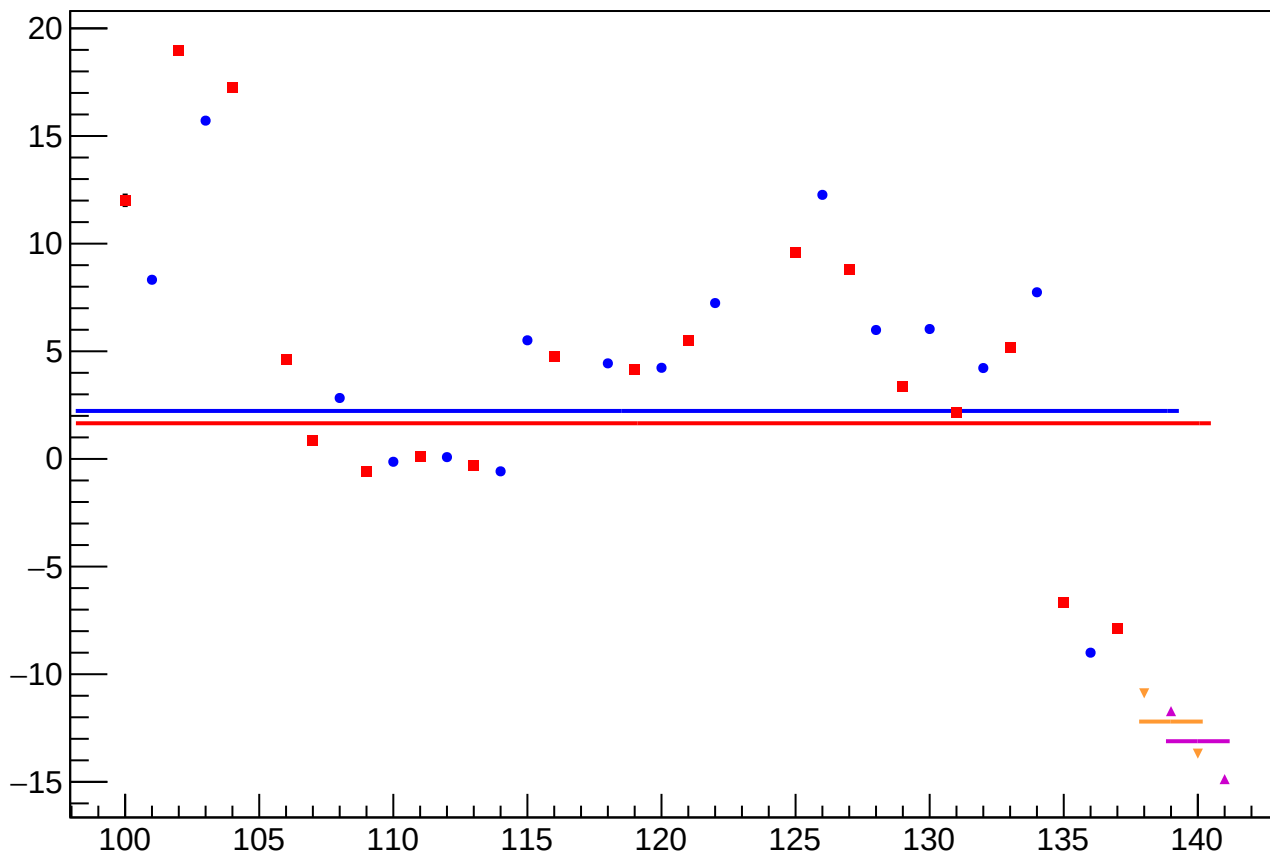
Left In: -2.315 ± 0.051 χ^2/NDF : 22.0/1

+ sign 0.291 ± 0.019 χ^2/NDF : 2617.5/17

All: 0.130 ± 0.013 χ^2/NDF : 6679.8/37

- sign -0.021 ± 0.018 χ^2/NDF : 3922.8/19

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 2.229 ± 0.022 χ^2/NDF : 69187.1/15

Left Out: -12.199 ± 0.053 χ^2/NDF : 707.9/1

Right Out: 1.657 ± 0.020 χ^2/NDF : 72797.4/17

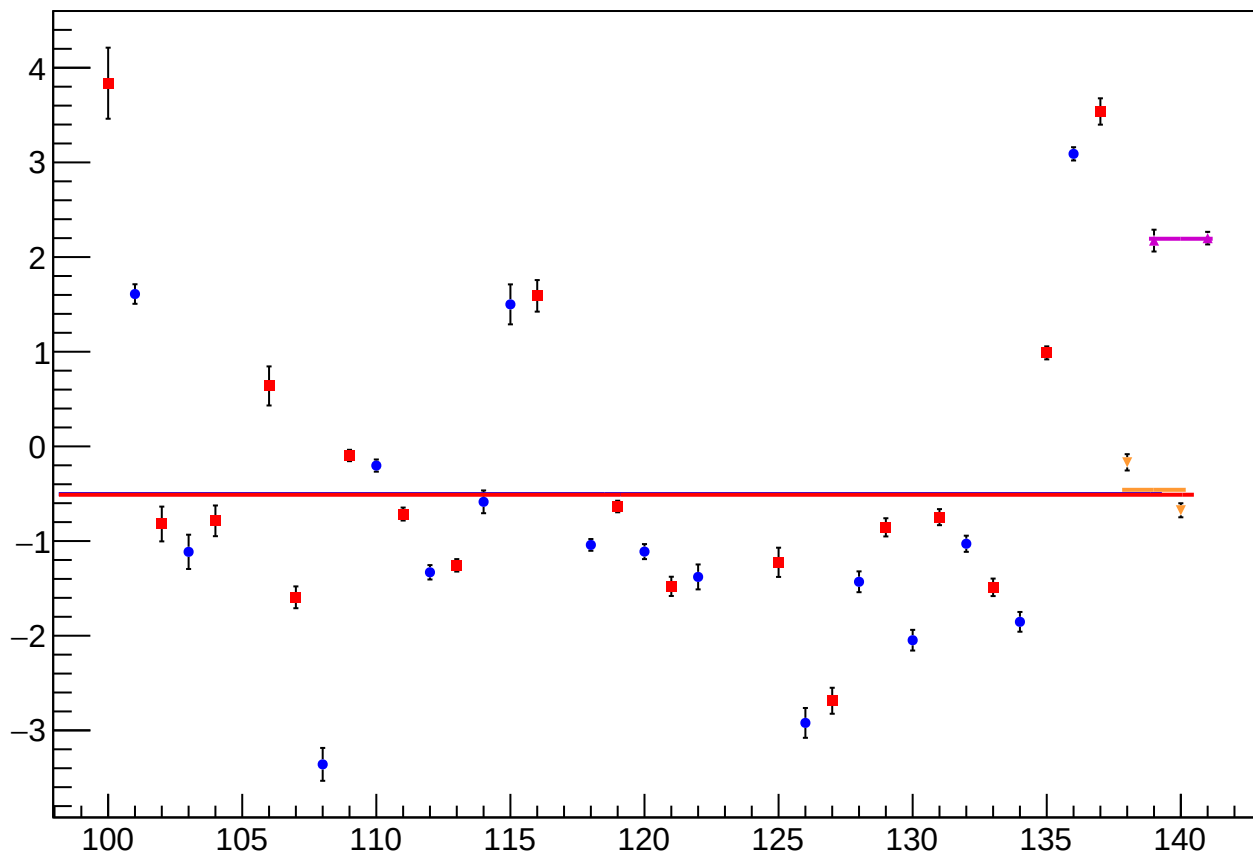
Left In: -13.112 ± 0.052 χ^2/NDF : 909.9/1

+ sign 0.034 ± 0.020 χ^2/NDF : 133840.0/17

All: -0.157 ± 0.014 χ^2/NDF : 277575.5/37

- sign -0.321 ± 0.019 χ^2/NDF : 143574.6/19

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

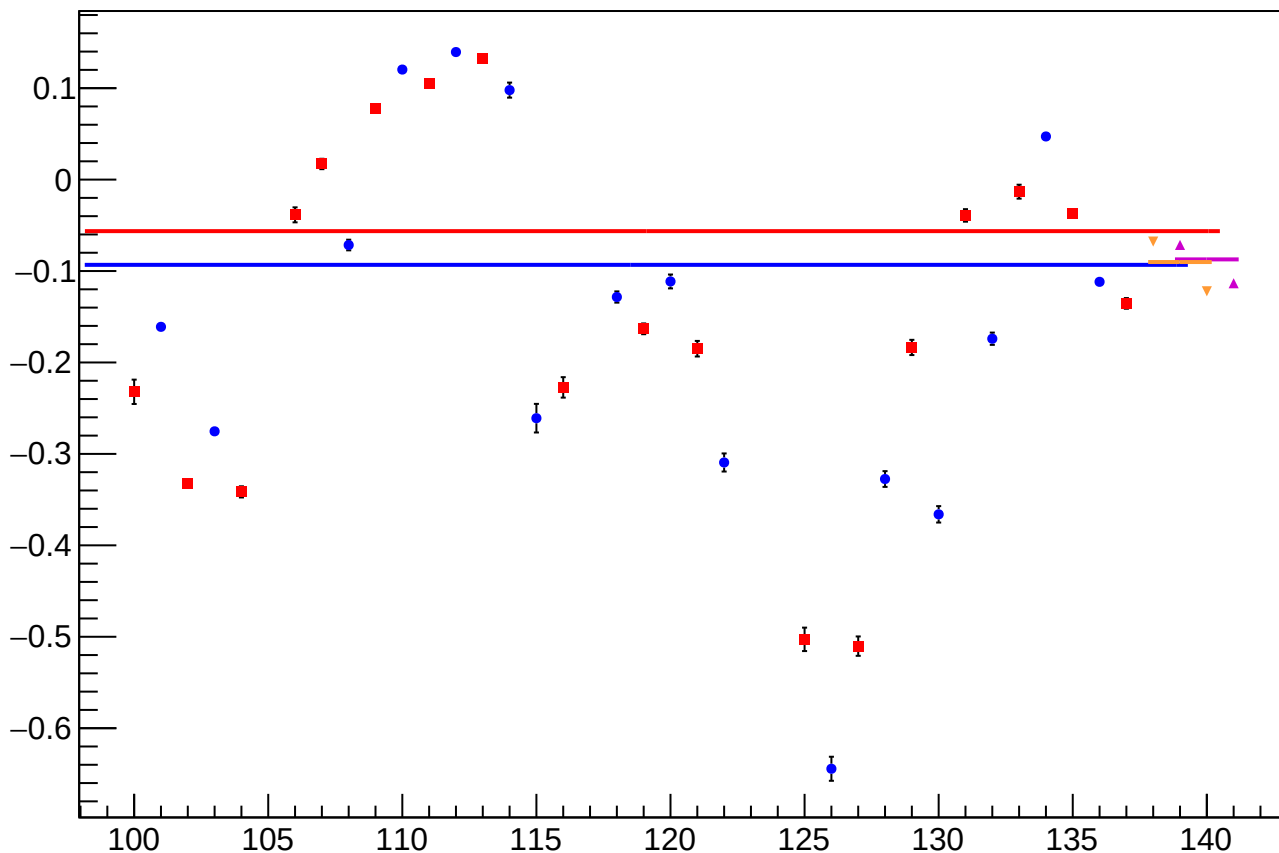
Left In: 2.193 ± 0.058 χ^2/NDF : 0.0/1

+ sign -0.497 ± 0.022 χ^2/NDF : 4467.6/17

All: -0.319 ± 0.015 χ^2/NDF : 8935.2/37

- sign -0.159 ± 0.021 χ^2/NDF : 4342.0/19

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

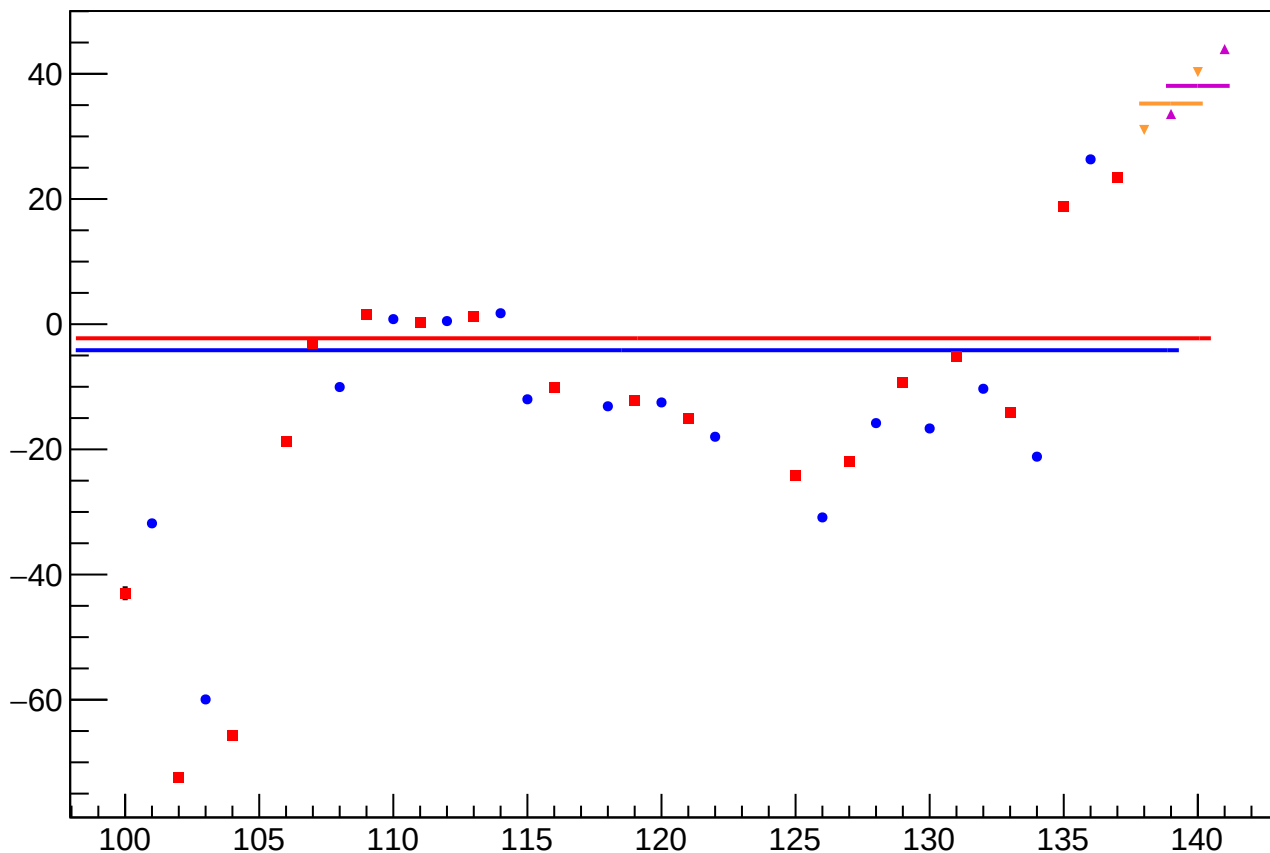
Left In: -0.087 ± 0.002 χ^2/NDF : 108.4/1

+ sign -0.092 ± 0.001 χ^2/NDF : 11900.2/17

All: -0.078 ± 0.001 χ^2/NDF : 26909.8/37

- sign -0.066 ± 0.001 χ^2/NDF : 14738.9/19

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

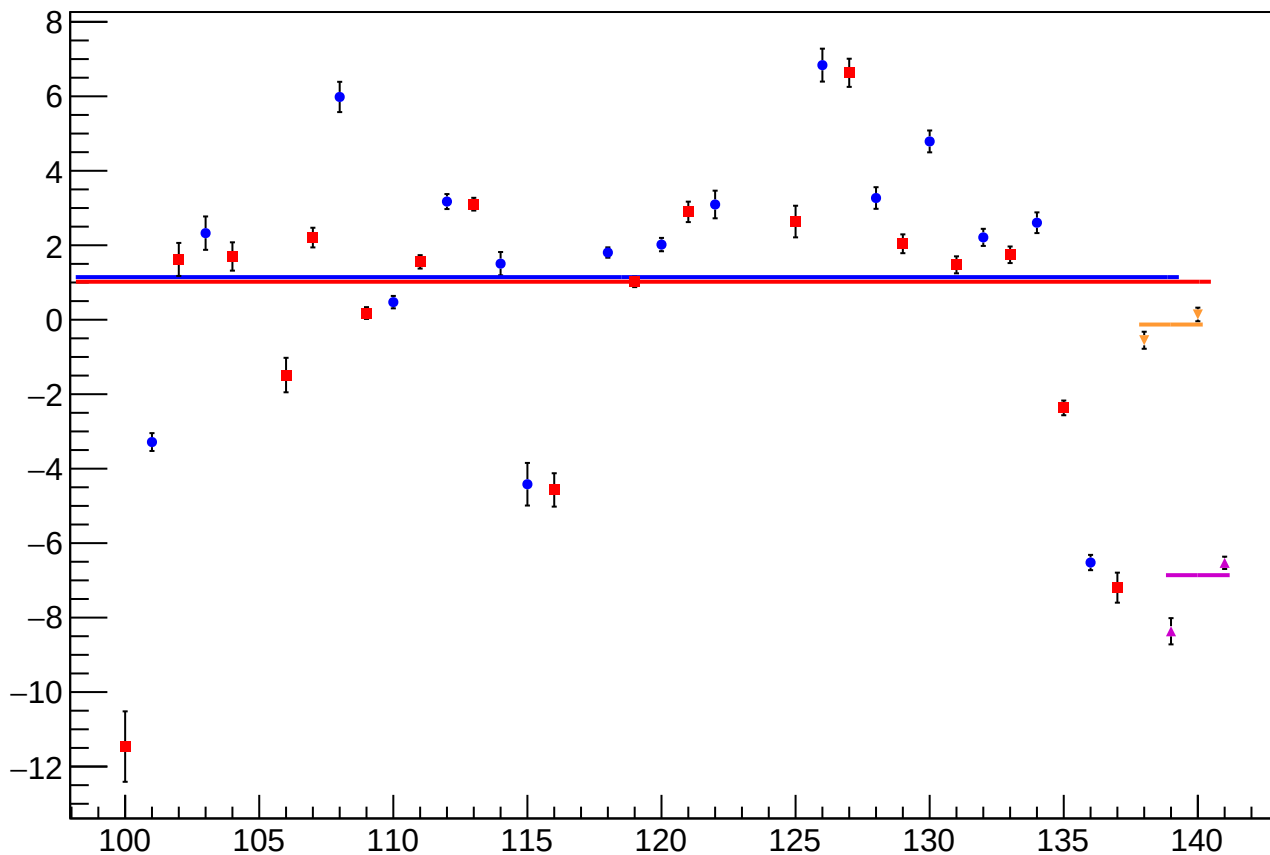
Left In: 38.079 ± 0.148 χ^2/NDF : 1208.5/1

+ sign 0.495 ± 0.051 χ^2/NDF : 138409.3/17

All: 0.962 ± 0.033 χ^2/NDF : 287315.1/37

- sign 1.307 ± 0.044 χ^2/NDF : 148760.5/19

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.144+/-0.060 χ^2/NDF : 2595.3/15

Left Out: -0.129+/-0.143 χ^2/NDF : 5.6/1

Right Out: 1.021+/-0.057 χ^2/NDF : 1591.2/17

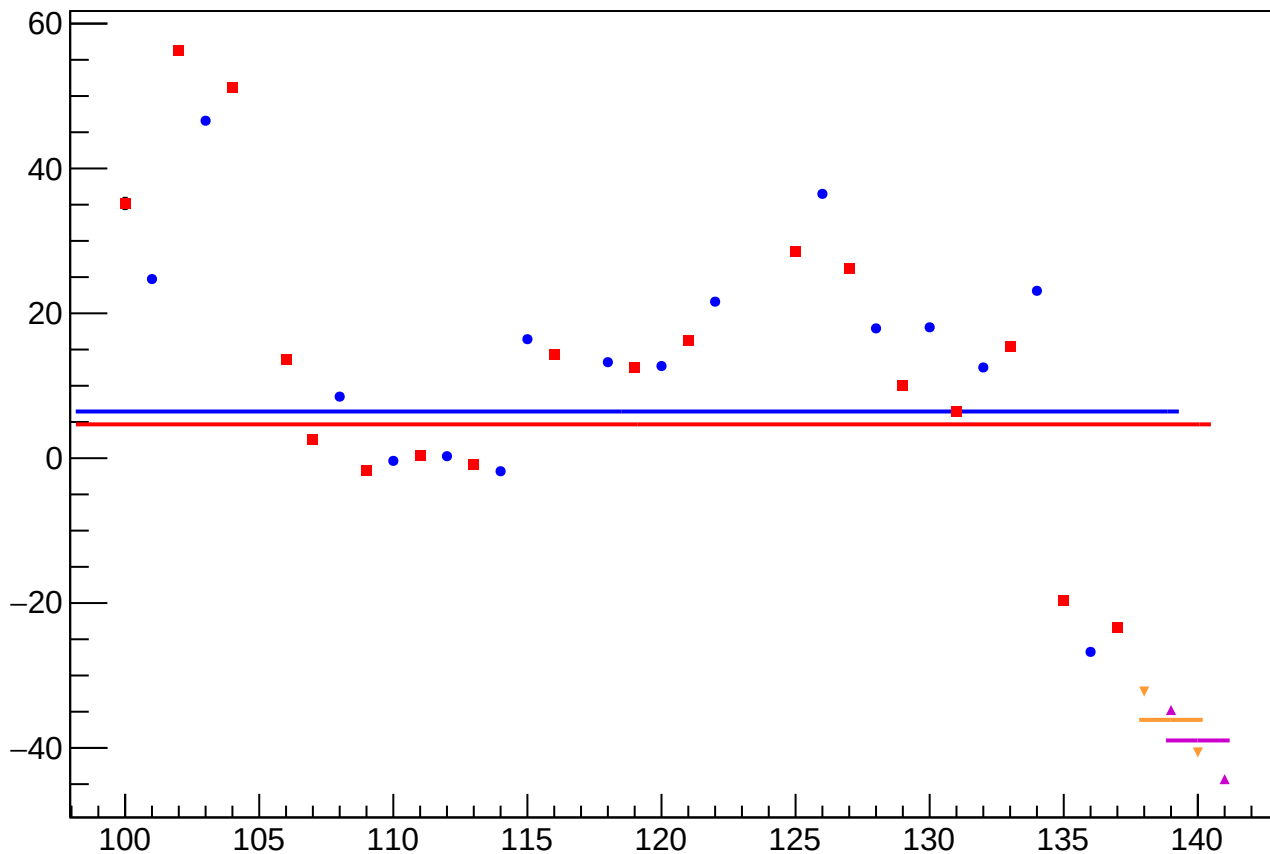
Left In: -6.860+/-0.150 χ^2/NDF : 22.3/1

+ sign 0.953+/-0.055 χ^2/NDF : 2668.3/17

All: 0.468+/-0.038 χ^2/NDF : 6846.5/37

- sign 0.019+/-0.053 χ^2/NDF : 4031.0/19

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 6.448 $\pm$ 0.065 χ^2 /NDF: 70815.1/15

Left Out: -36.123 $\pm$ 0.154 χ^2 /NDF: 738.7/1

Right Out: 4.671 $\pm$ 0.059 χ^2 /NDF: 74420.3/17

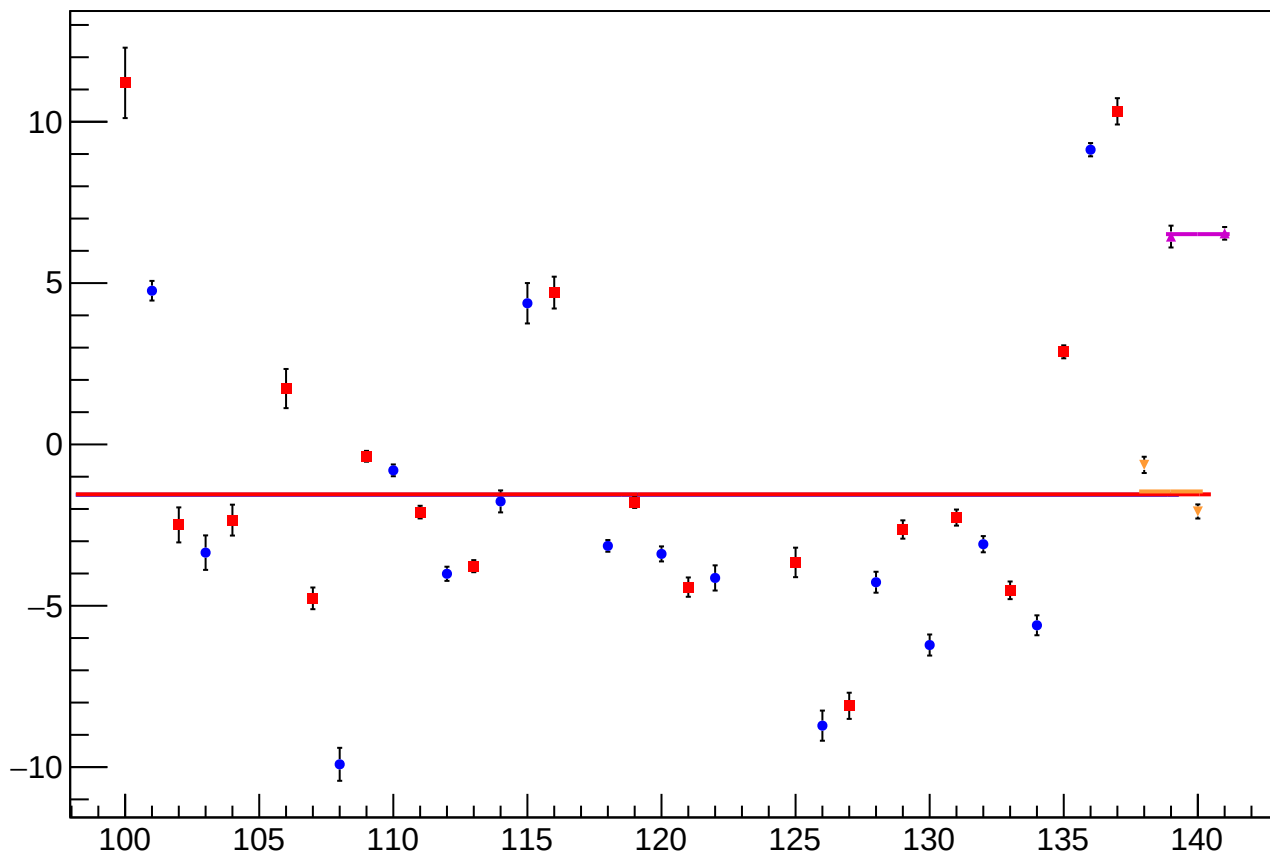
Left In: -38.970 $\pm$ 0.153 χ^2 /NDF: 960.4/1

+ sign 0.042 $\pm$ 0.060 χ^2 /NDF: 136326.2/17

All: -0.513 $\pm$ 0.041 χ^2 /NDF: 282734.8/37

- sign -0.984 $\pm$ 0.055 χ^2 /NDF: 146249.4/19

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.558+/-0.069 χ^2/NDF : 4543.1/15

Left Out: -1.457+/-0.165 χ^2/NDF : 18.7/1

Right Out: -1.547+/-0.064 χ^2/NDF : 2470.1/17

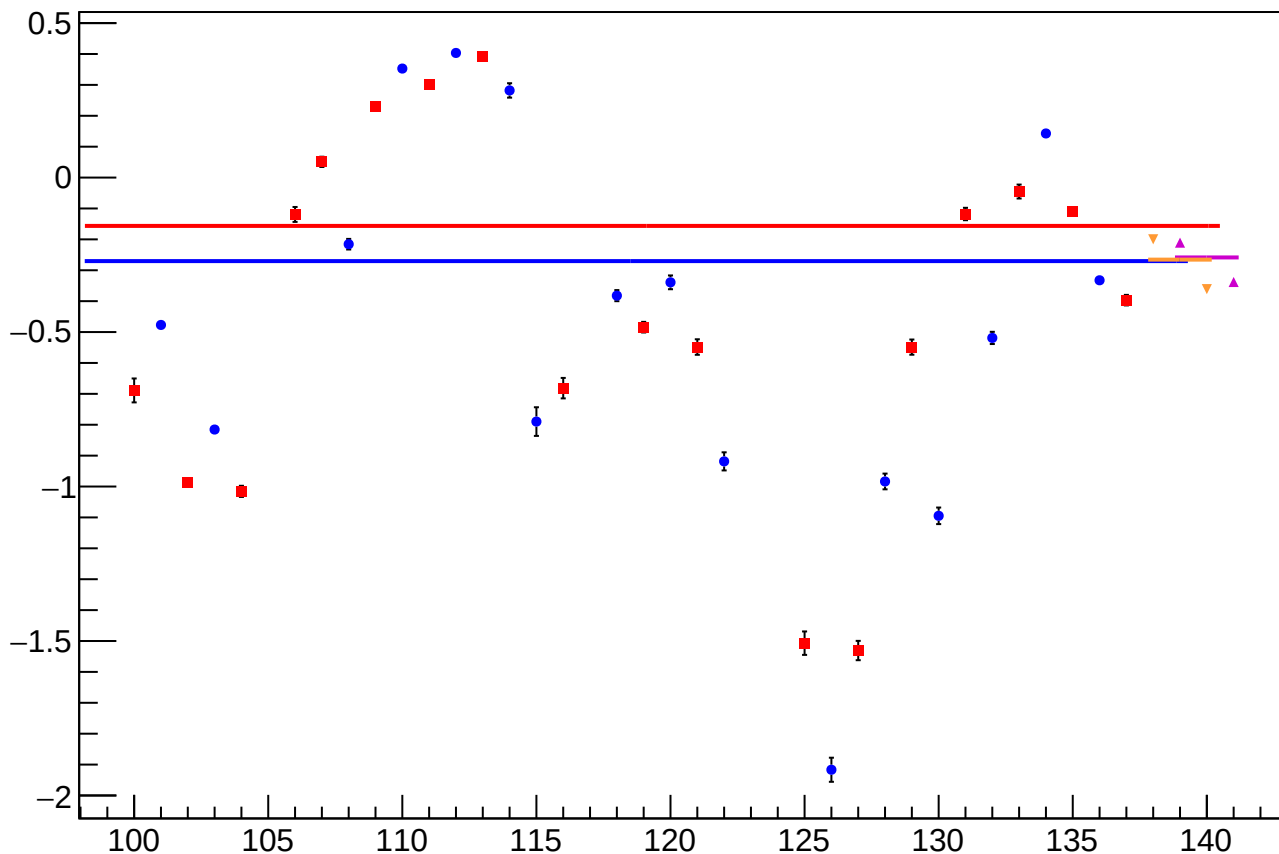
Left In: 6.517+/-0.170 χ^2/NDF : 0.1/1

+ sign -1.543+/-0.064 χ^2/NDF : 4562.1/17

All: -1.006+/-0.044 χ^2/NDF : 9141.0/37

- sign -0.528+/-0.060 χ^2/NDF : 4445.2/19

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 $\chi^2/\text{NDF}: 15030.0/17$

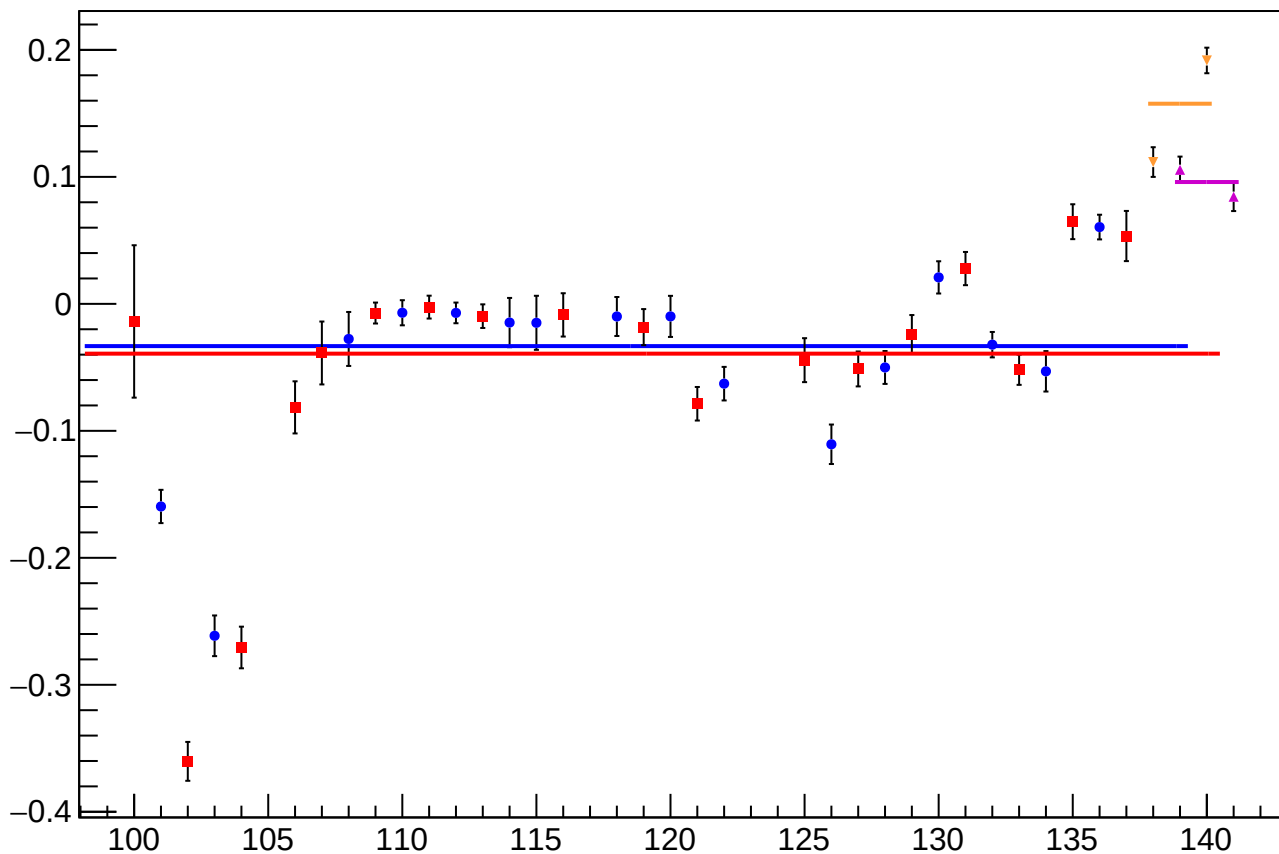
Left In: -0.259 ± 0.006 $\chi^2/\text{NDF}: 115.5/1$

+ sign -0.269 ± 0.003 $\chi^2/\text{NDF}: 12256.8/17$

All: -0.225 ± 0.002 $\chi^2/\text{NDF}: 27925.5/37$

- sign -0.187 ± 0.003 $\chi^2/\text{NDF}: 15365.8/19$

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

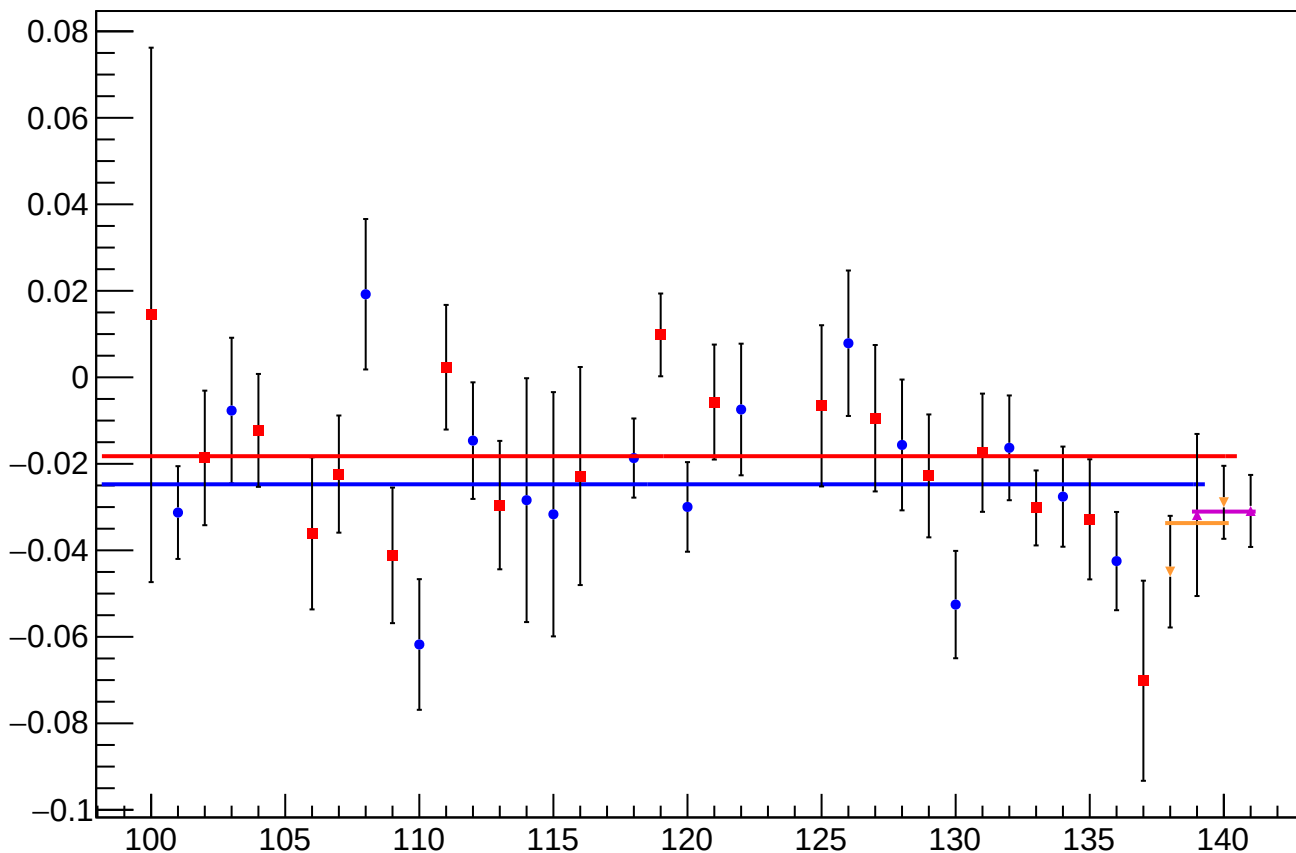
Left In: 0.096 ± 0.008 χ^2/NDF : 1.9/1

+ sign -0.004 ± 0.003 χ^2/NDF : 1022.2/17

All: -0.012 ± 0.002 χ^2/NDF : 2110.8/37

- sign -0.019 ± 0.003 χ^2/NDF : 1076.1/19

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

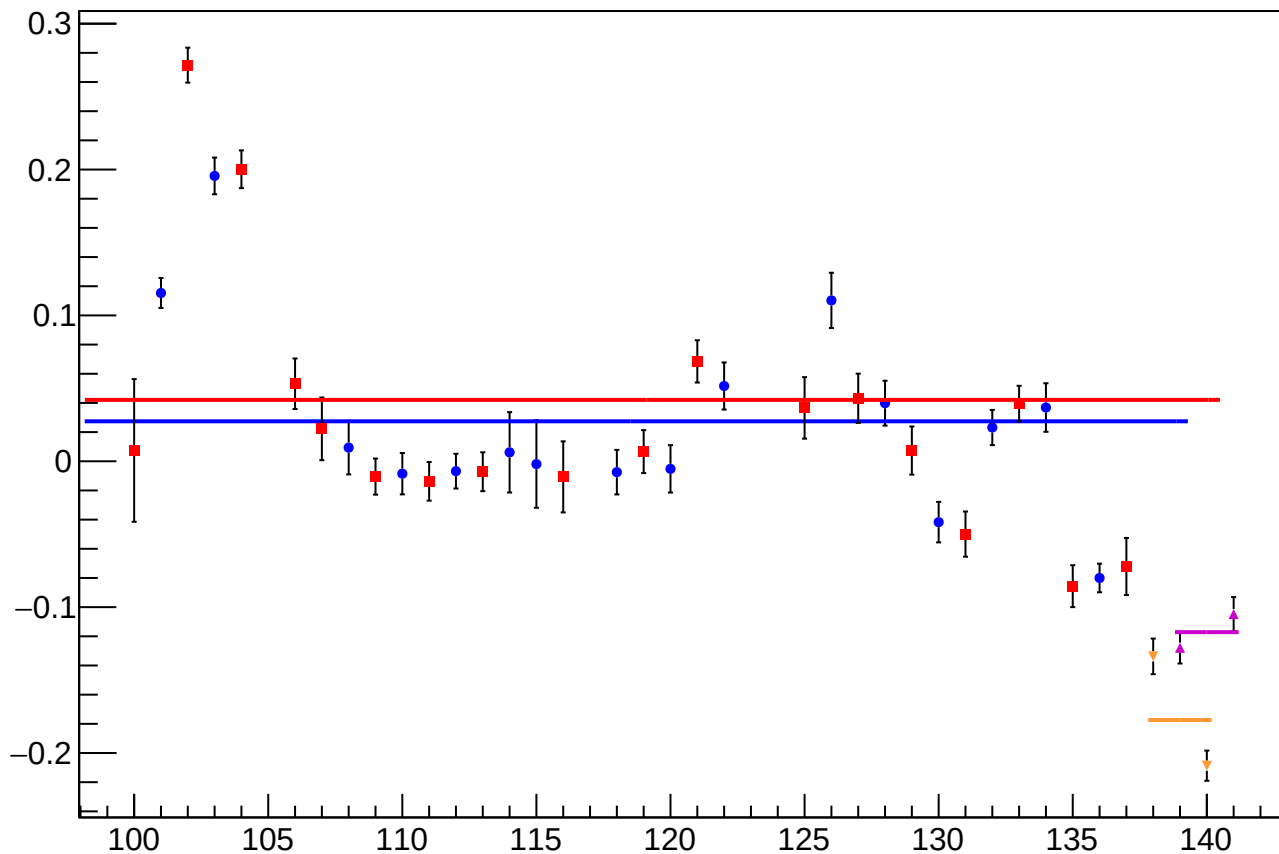
Left In: -0.031 ± 0.008 χ^2/NDF : 0.0/1

+ sign -0.026 ± 0.003 χ^2/NDF : 30.9/17

All: -0.023 ± 0.002 χ^2/NDF : 60.0/37

- sign -0.020 ± 0.003 χ^2/NDF : 27.1/19

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

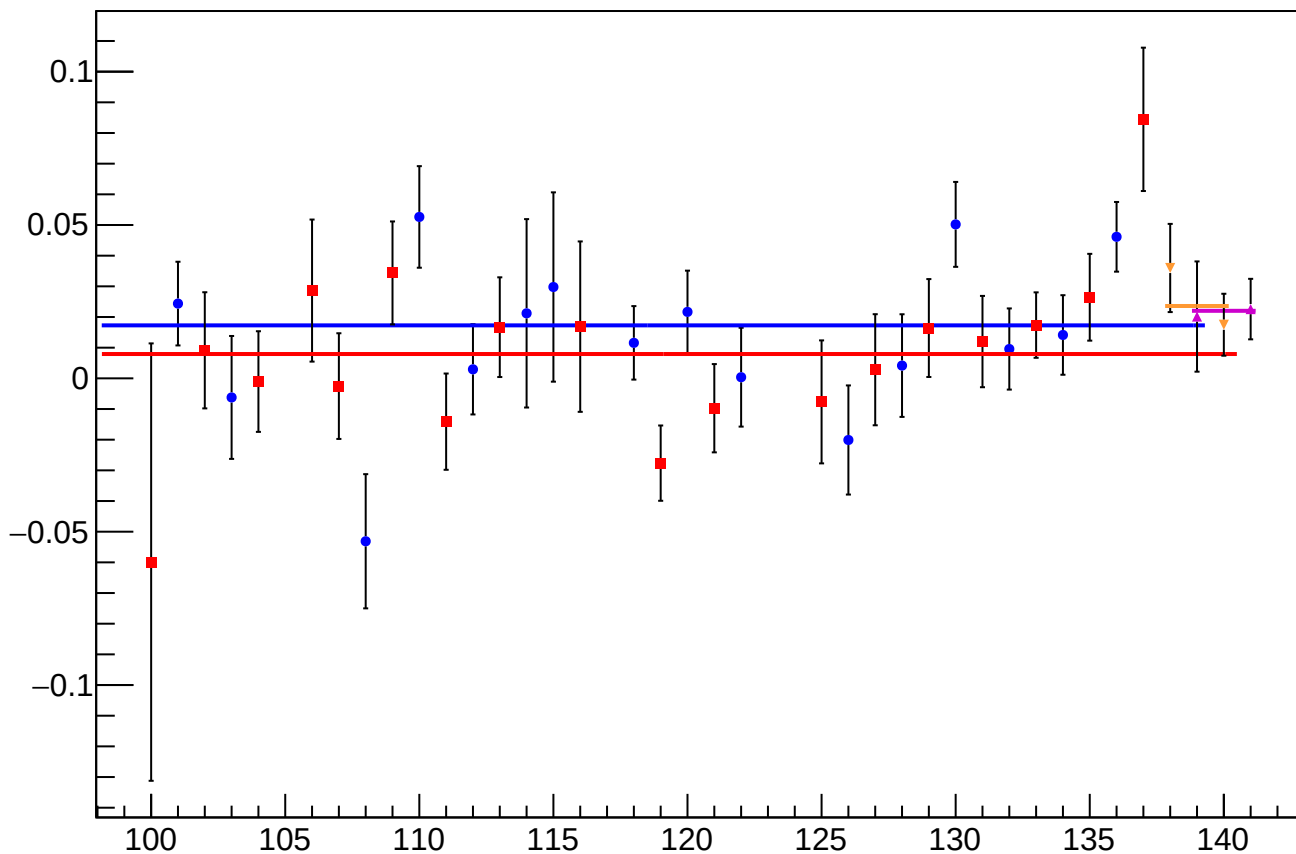
Left In: -0.117 ± 0.008 χ^2/NDF : 2.1/1

+ sign -0.007 ± 0.003 χ^2/NDF : 1025.9/17

All: 0.003 ± 0.002 χ^2/NDF : 2117.9/37

- sign 0.014 ± 0.003 χ^2/NDF : 1070.2/19

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

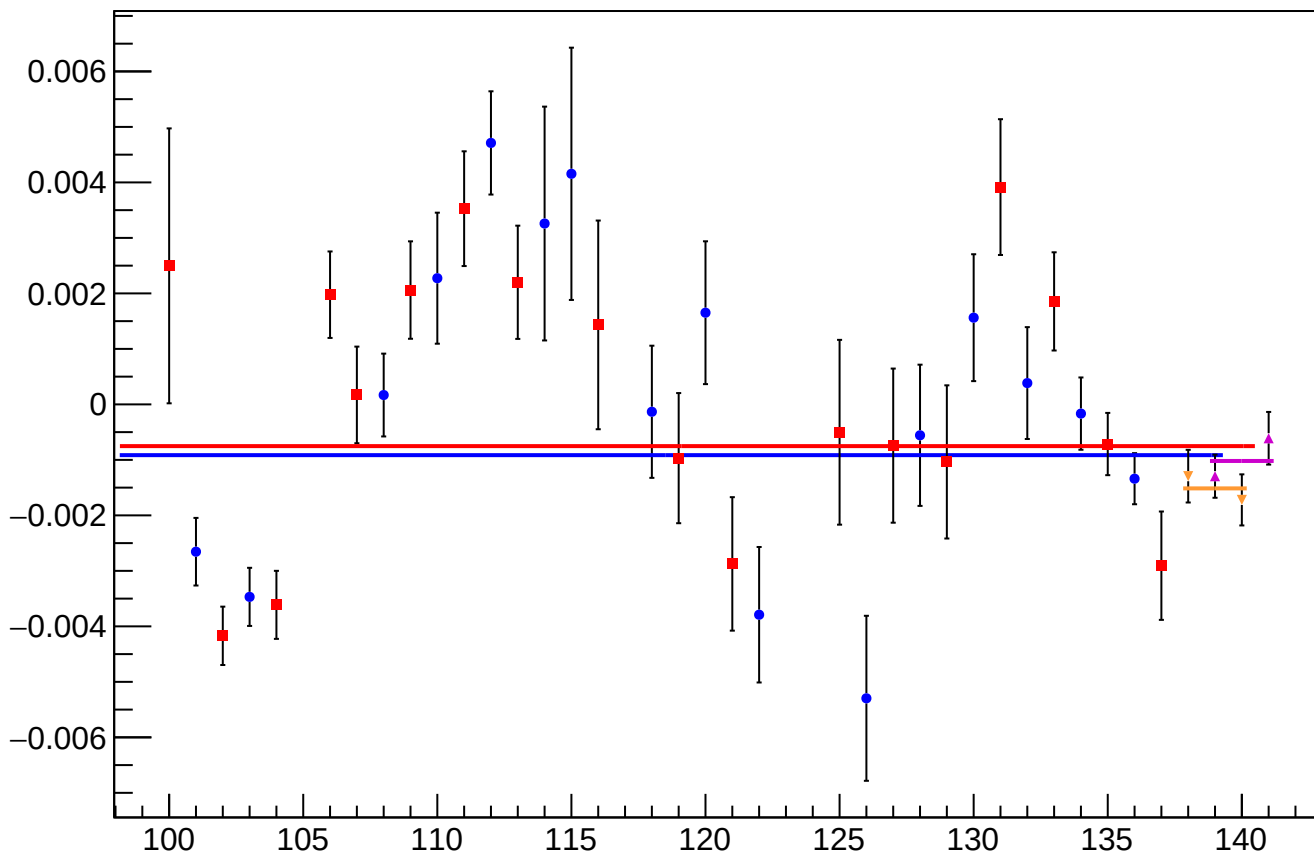
Left In: 0.022 $\pm$ 0.009 χ^2 /NDF: 0.0/1

+ sign 0.018 $\pm$ 0.003 χ^2 /NDF: 38.2/17

All: 0.014 $\pm$ 0.002 χ^2 /NDF: 74.5/37

- sign 0.010 $\pm$ 0.004 χ^2 /NDF: 33.6/19

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.001 $\pm$ 0.000 χ^2 /NDF: 114.1/15

Left Out: -0.002 $\pm$ 0.000 χ^2 /NDF: 0.4/1

Right Out: -0.001 $\pm$ 0.000 χ^2 /NDF: 147.6/17

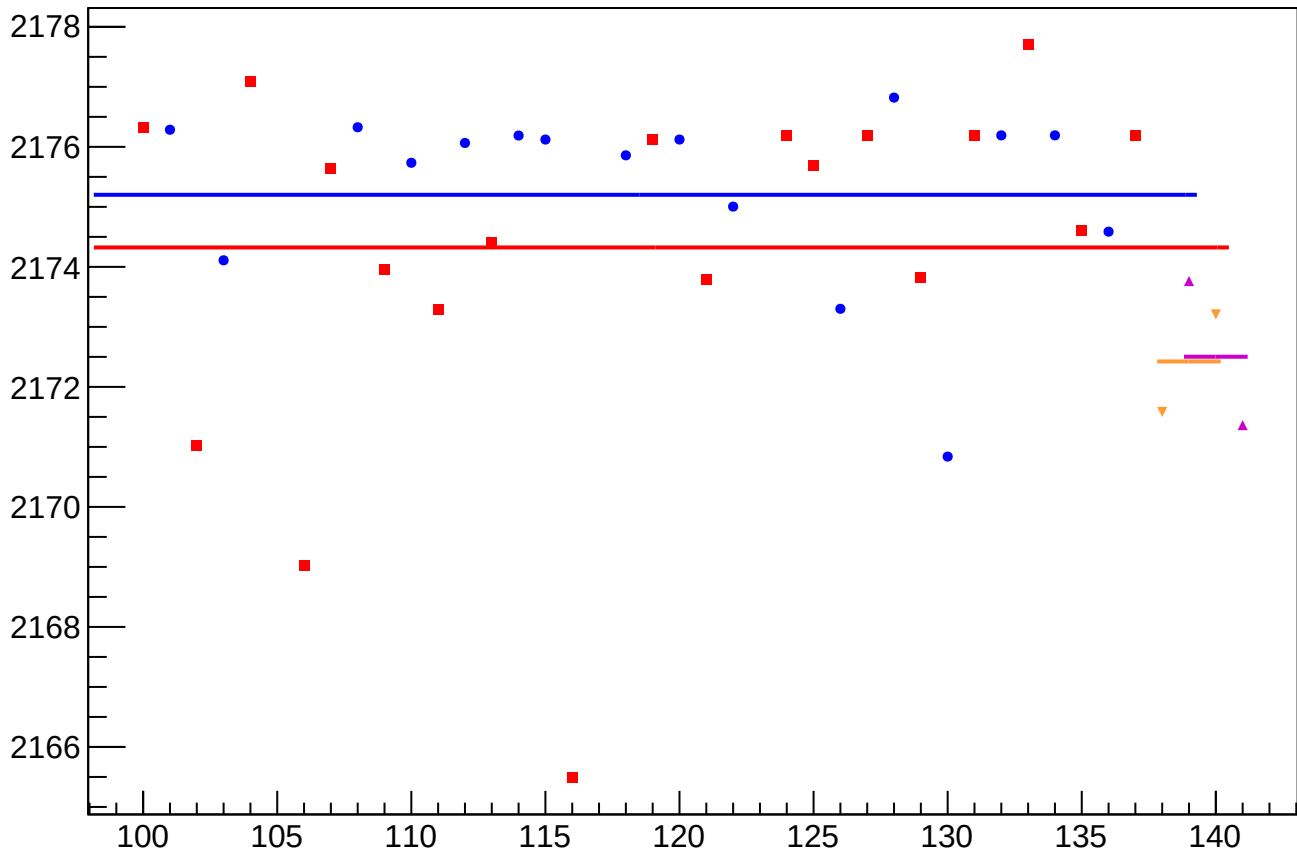
Left In: -0.001 $\pm$ 0.000 χ^2 /NDF: 1.2/1

+ sign -0.001 $\pm$ 0.000 χ^2 /NDF: 116.8/17

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 267.2/37

- sign -0.001 $\pm$ 0.000 χ^2 /NDF: 149.4/19

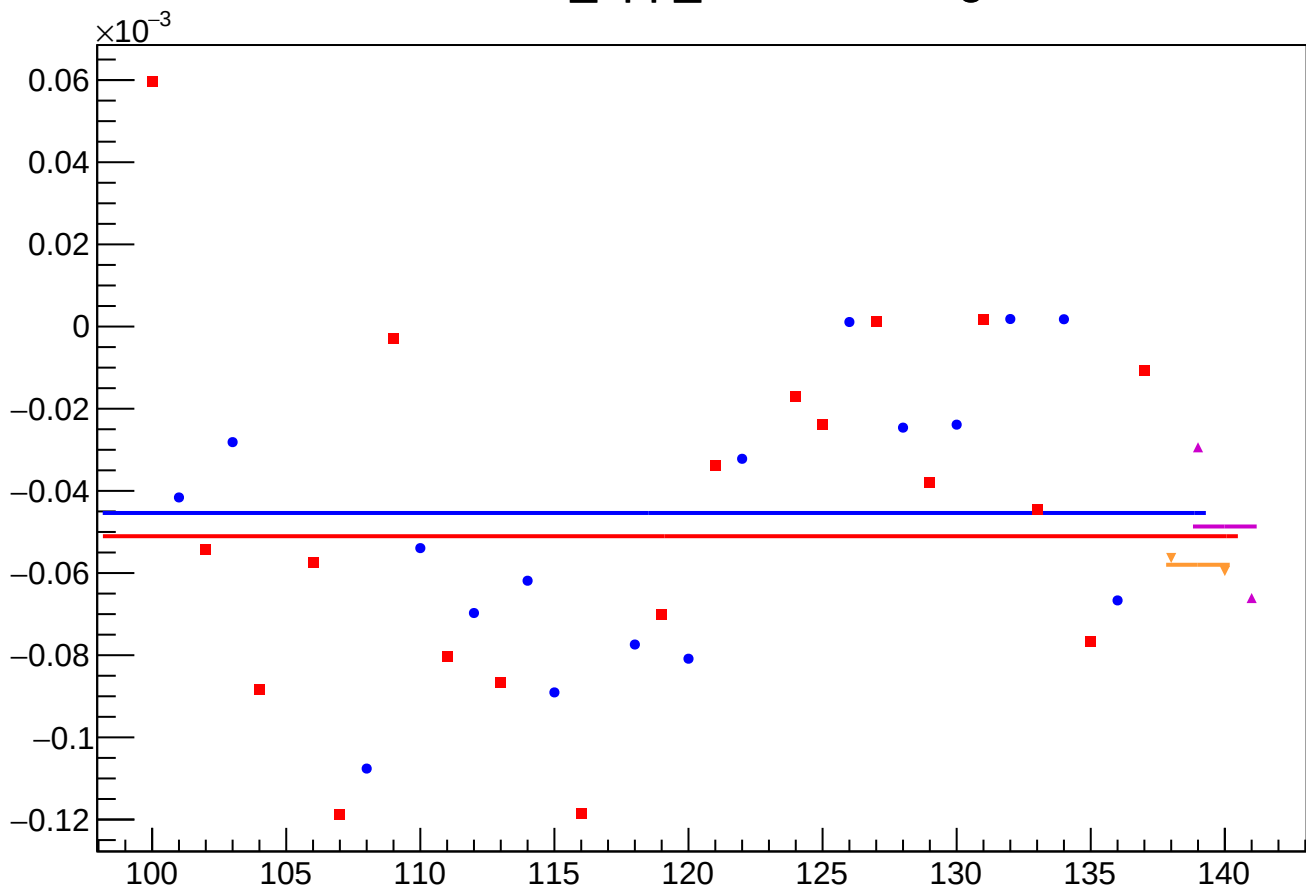
HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000	χ^2/NDF : 1765724072923660180937051331362816.0/15
Left Out: 2172.424+/-0.000	χ^2/NDF : 110758899331013360134652004663296.0/1
Right Out: 2174.324+/-0.000	χ^2/NDF : 5542239415681046928723527201718272.0/18
Left In: 2172.503+/-0.000	χ^2/NDF : 254481742495258749255308678266880.0/1

+ sign 2174.688+/-0.000 χ^2/NDF : 29323889415691
 All: 2174.328+/-0.000 χ^2/NDF : 94365104152
 - sign 2173.981+/-0.000 χ^2/NDF : 62732404903385

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

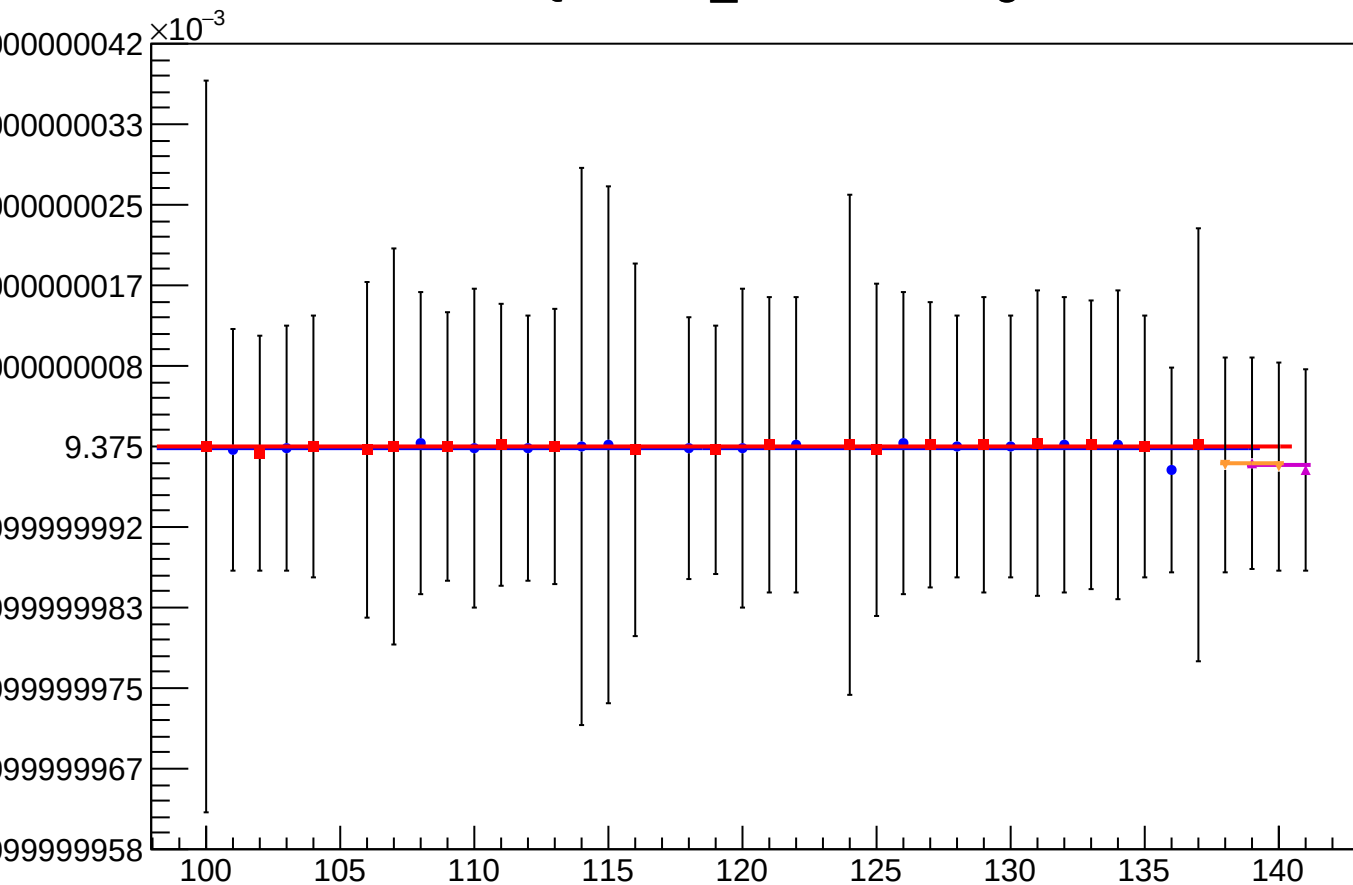
Left In: -0.000+/-0.000 χ^2/NDF : 59434705802673032003584.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 7353243605273245

All: -0.000+/-0.000 χ^2/NDF : 1811355918279

- sign -0.000+/-0.000 χ^2/NDF : 10721948947802126

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

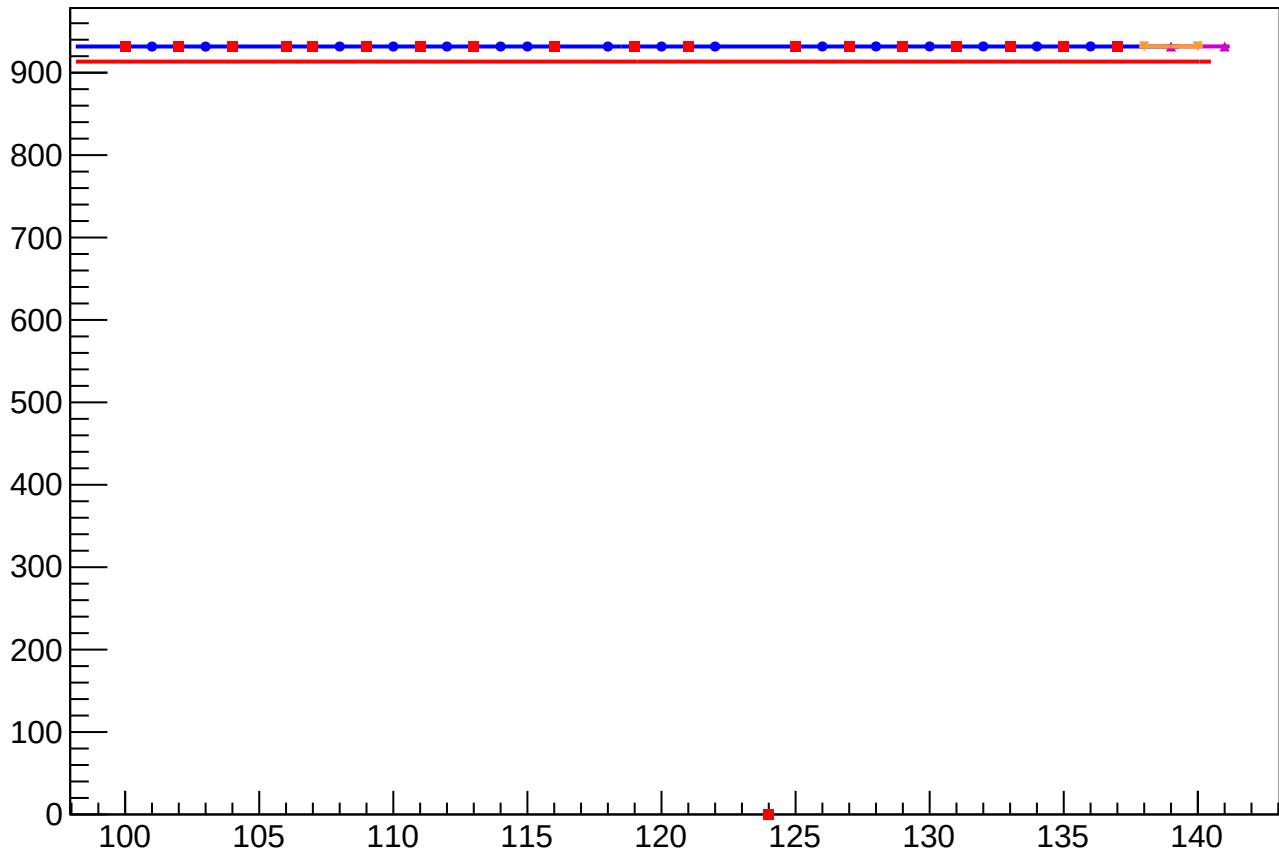
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

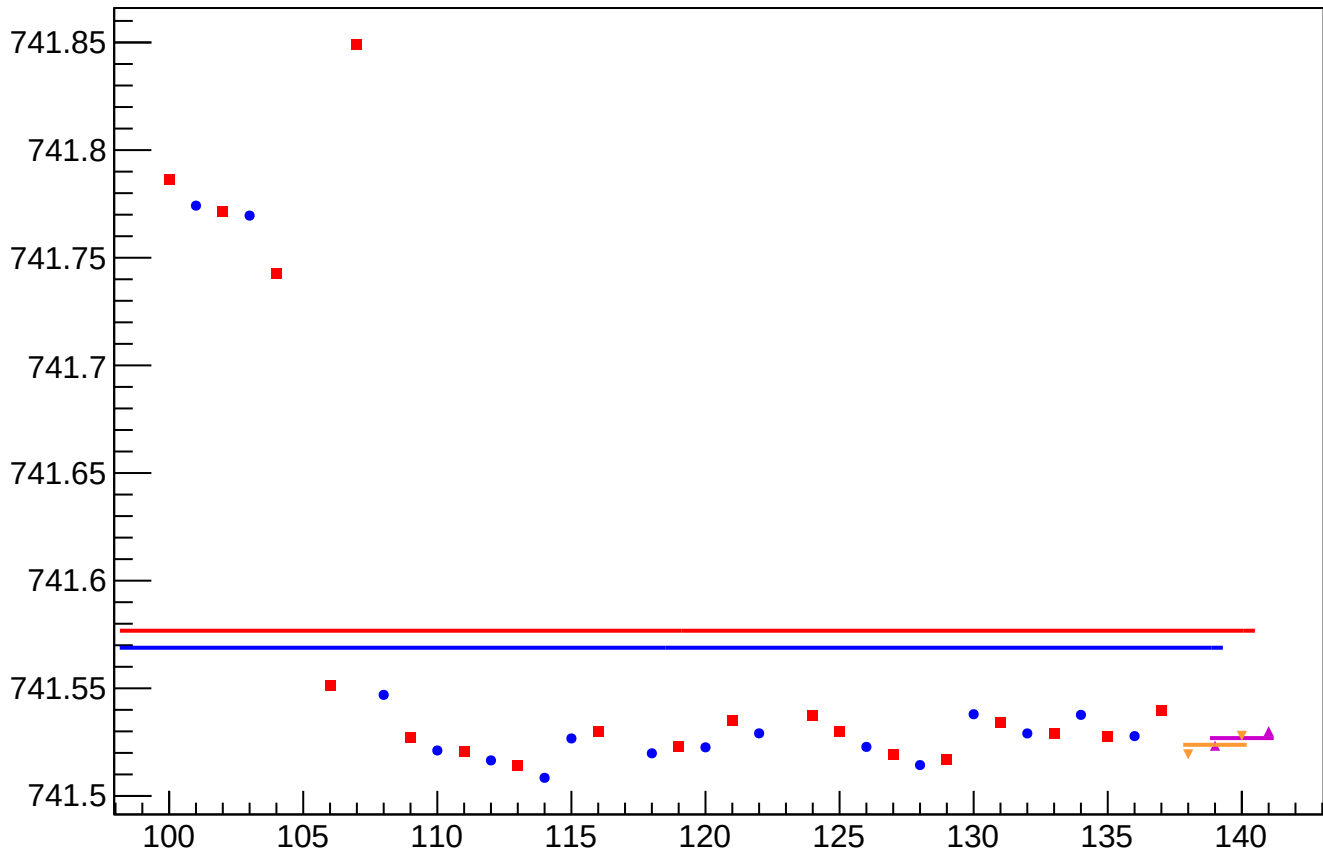
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF : 2757217223595001187167685836800.0/15
 Left Out: 931.871+/-0.000 χ^2/NDF : 12227965787094242730388226048.0/1
 Right Out: 913.447+/-0.000 χ^2/NDF : 12765879635094435683491886518824337408.0/18
 Left In: 931.872+/-0.000 χ^2/NDF : 1860169124753276056943722496.0/1

+ sign 931.788+/-0.000 χ^2/NDF : 419651451634419
 All: 924.227+/-0.000 χ^2/NDF : 129168612678
 - sign 916.916+/-0.000 χ^2/NDF : 128146515367780

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF : 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

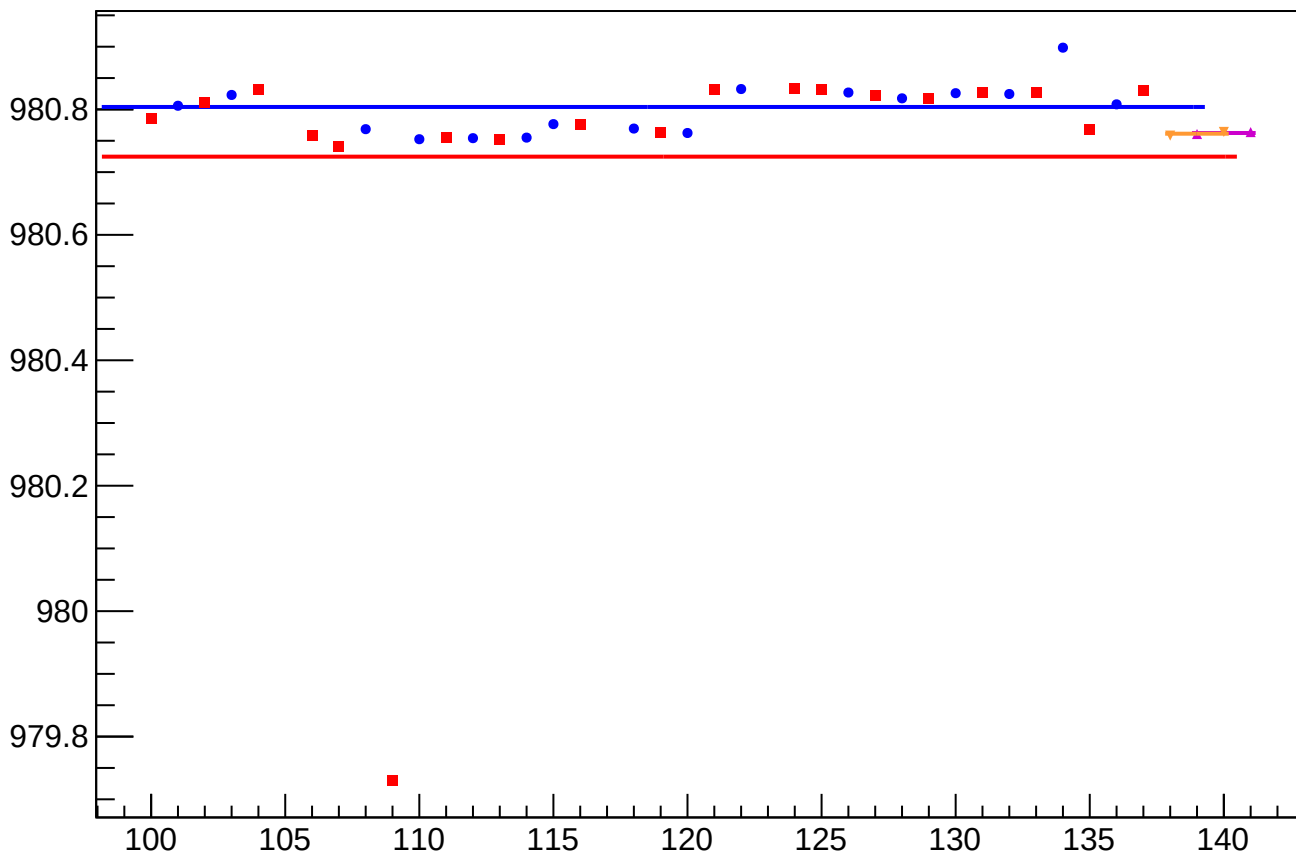
Left In: 741.527+/-0.000 χ^2/NDF : 2011942202477731432821161984.0/1

+ sign 741.561+/-0.000 χ^2/NDF : 671448242647920

All: 741.564+/-0.000 χ^2/NDF : 14787758693

- sign 741.567+/-0.000 χ^2/NDF : 805162678846706

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804 $\pm$ 0.000 χ^2 /NDF: 933313276884807786774245933056.0/15

Left Out: 980.761 $\pm$ 0.000 χ^2 /NDF: 1447455080100060523032215552.0/1

Right Out: 980.725 $\pm$ 0.000 χ^2 /NDF: 56040205617358336221662876270592.0/18

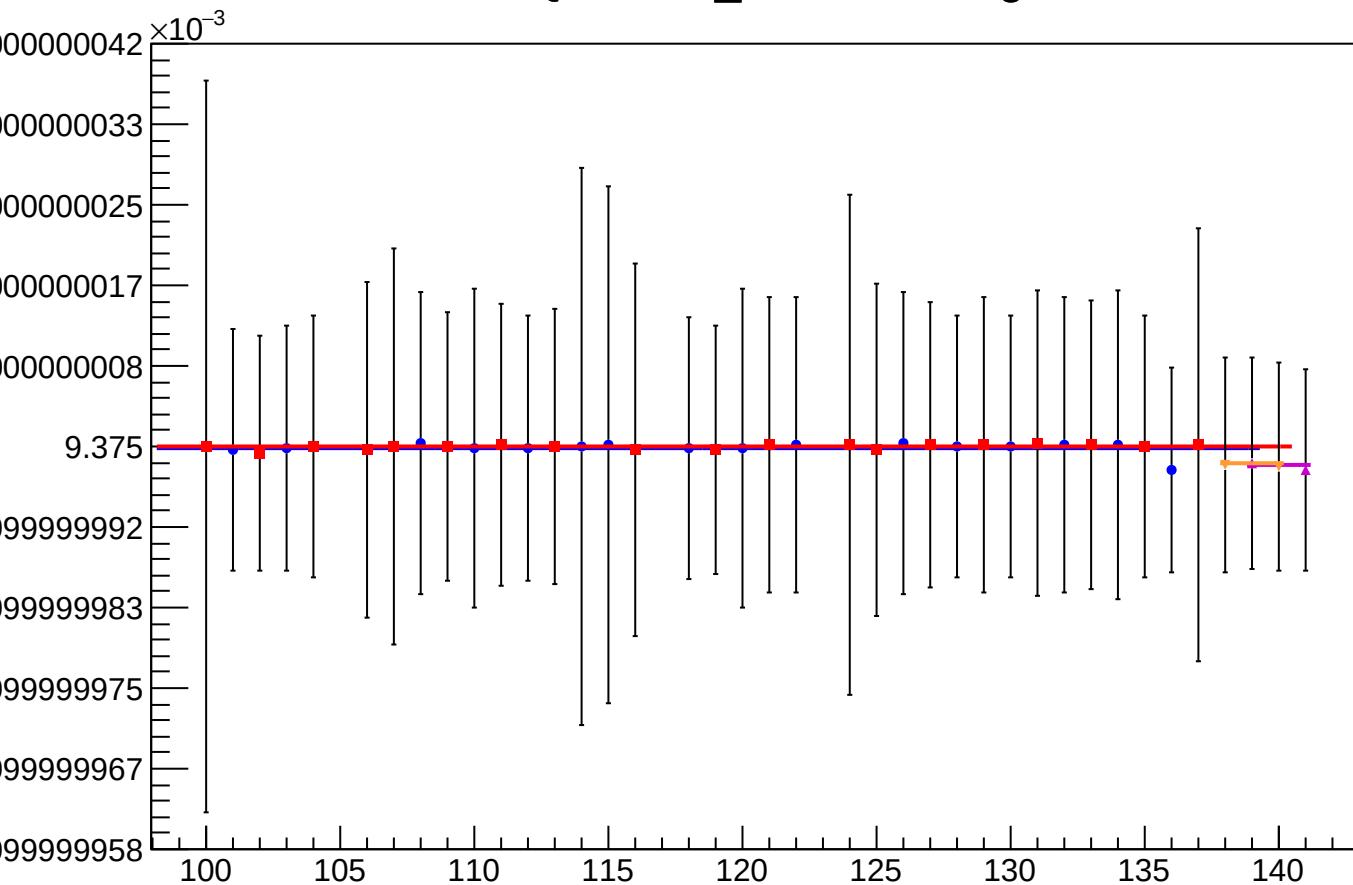
Left In: 980.762 $\pm$ 0.000 χ^2 /NDF: 420628192787965833493086208.0/1

+ sign 980.796 $\pm$ 0.000 χ^2 /NDF: 118366611129870

All: 980.763 $\pm$ 0.000 χ^2 /NDF: 593356541622

- sign 980.732 $\pm$ 0.000 χ^2 /NDF: 562450055012843

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

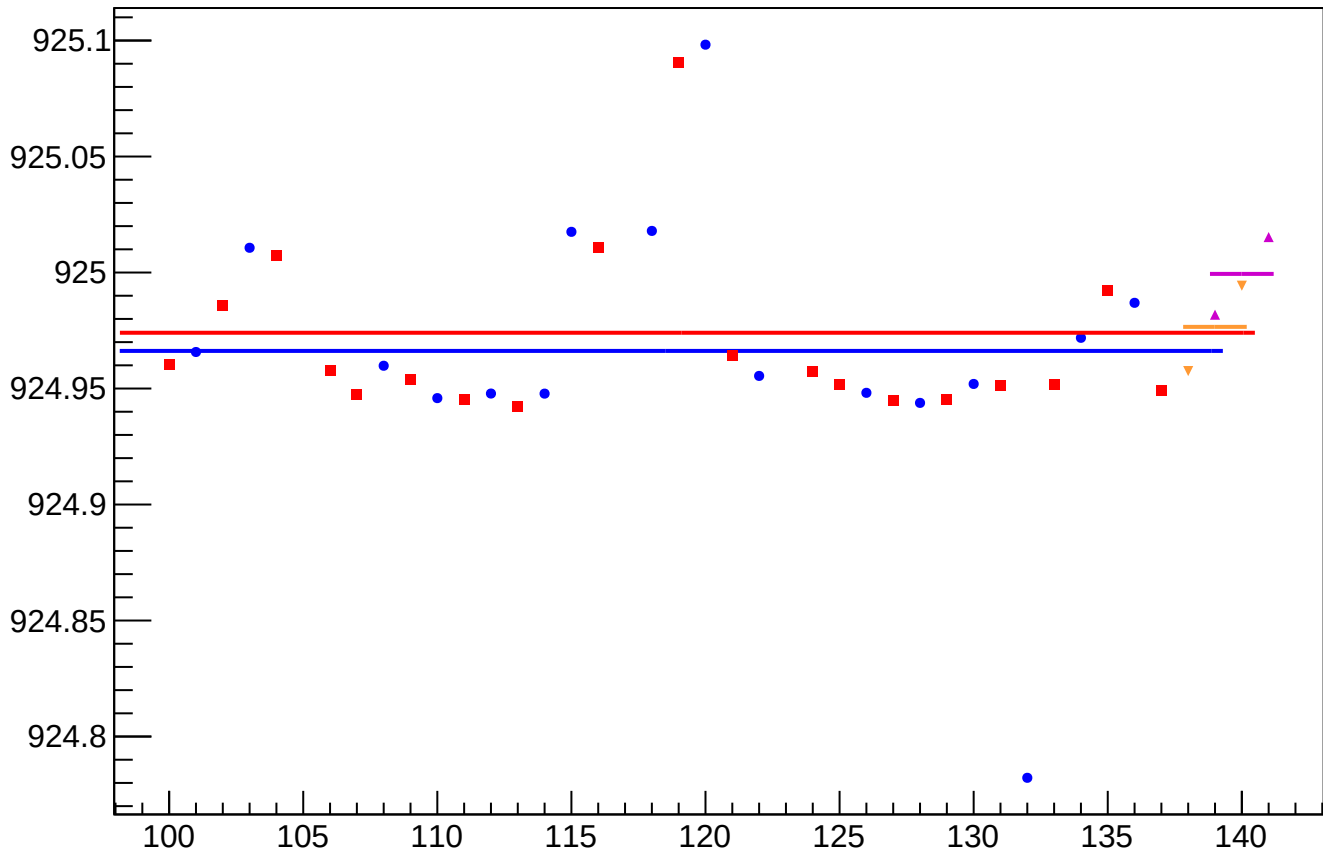
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF : 2544370508087658800533037121536.0/15

Left Out: 924.977+/-0.000 χ^2/NDF : 56791550447760234926261141504.0/1

Right Out: 924.974+/-0.000 χ^2/NDF : 1241981521116890900236351832064.0/18

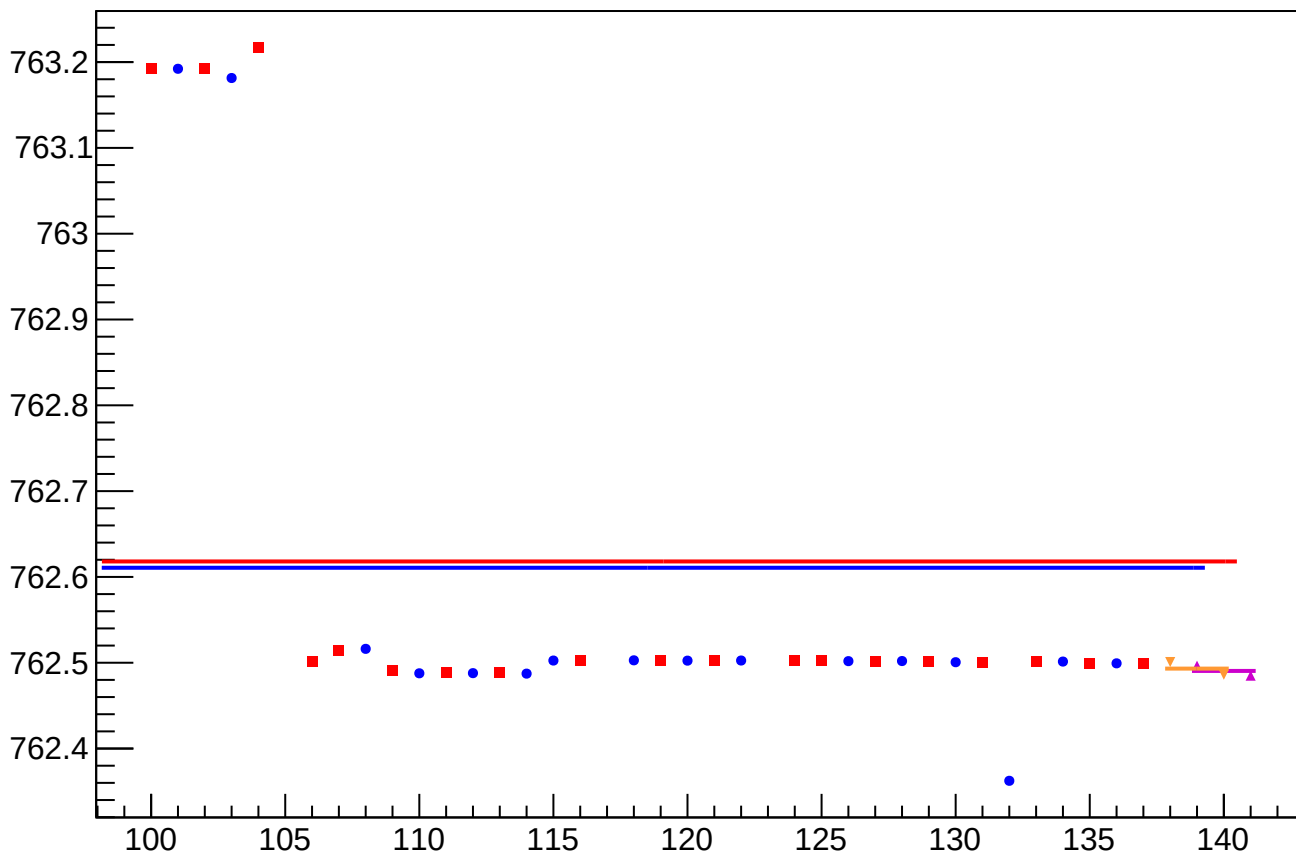
Left In: 924.999+/-0.000 χ^2/NDF : 49401480675229601575546650624.0/1

+ sign 924.968+/-0.000 χ^2/NDF : 261588038146317

All: 924.974+/-0.000 χ^2/NDF : 405251778517

- sign 924.979+/-0.000 χ^2/NDF : 138383706831537

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

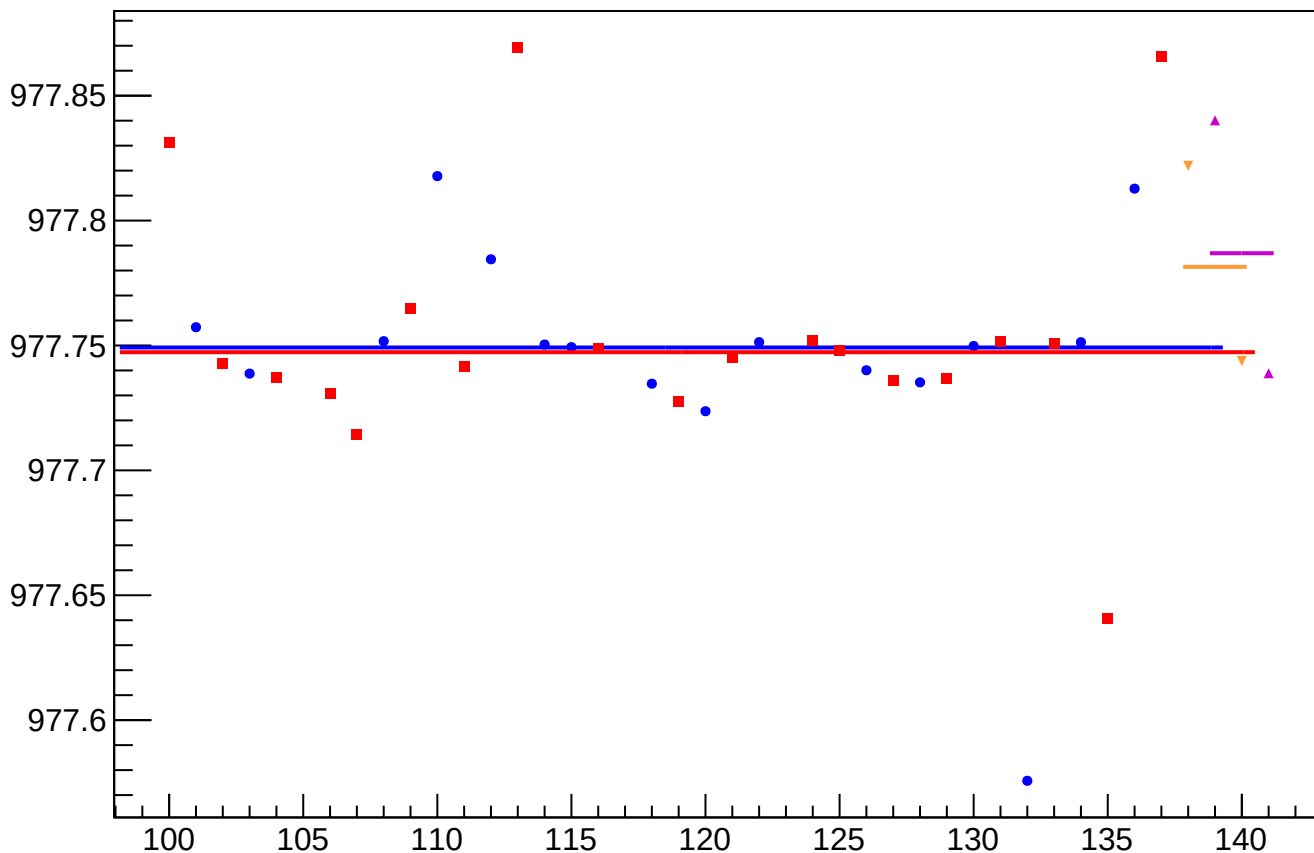
Left In: 762.490 ± 0.000 χ^2/NDF : 5969234072706244856374099968.0/1

+ sign 762.589 ± 0.000 χ^2/NDF : 540623718971024

All: 762.592 ± 0.000 χ^2/NDF : 109553140286

- sign 762.594 ± 0.000 χ^2/NDF : 554790053665831

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749 $\pm$ 0.000 χ^2 /NDF: 1959578331072316074448224518144.0/15

Left Out: 977.781 $\pm$ 0.000 χ^2 /NDF: 255844085201462426161236672512.0/1

Right Out: 977.747 $\pm$ 0.000 χ^2 /NDF: 1782226877816914726327966236672.0/18

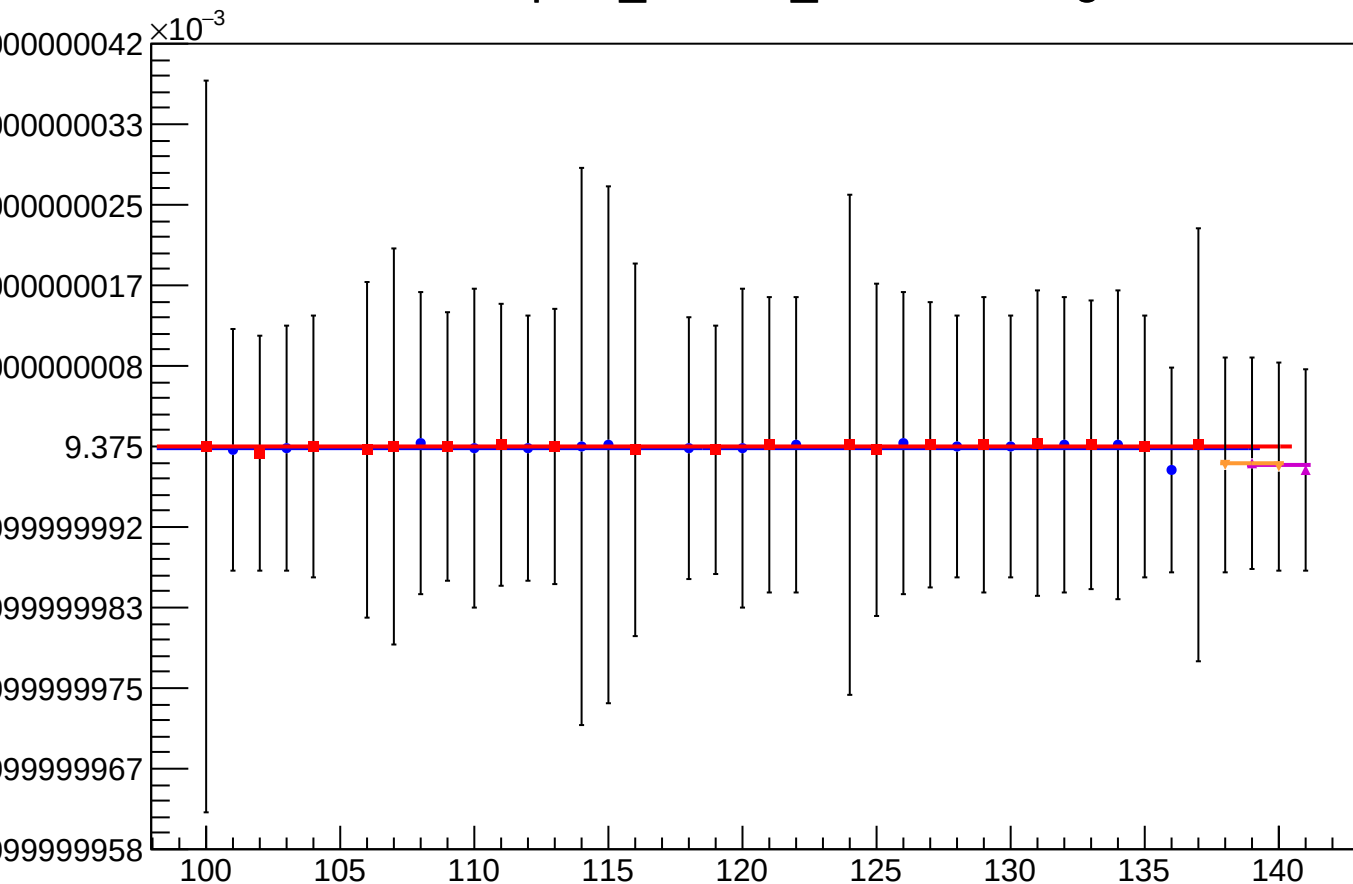
Left In: 977.787 $\pm$ 0.000 χ^2 /NDF: 452510285473334686763242749952.0/1

+ sign 977.755 $\pm$ 0.000 χ^2 /NDF: 235808156241482

All: 977.755 $\pm$ 0.000 χ^2 /NDF: 481852791115

- sign 977.755 $\pm$ 0.000 χ^2 /NDF: 246037558356341

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

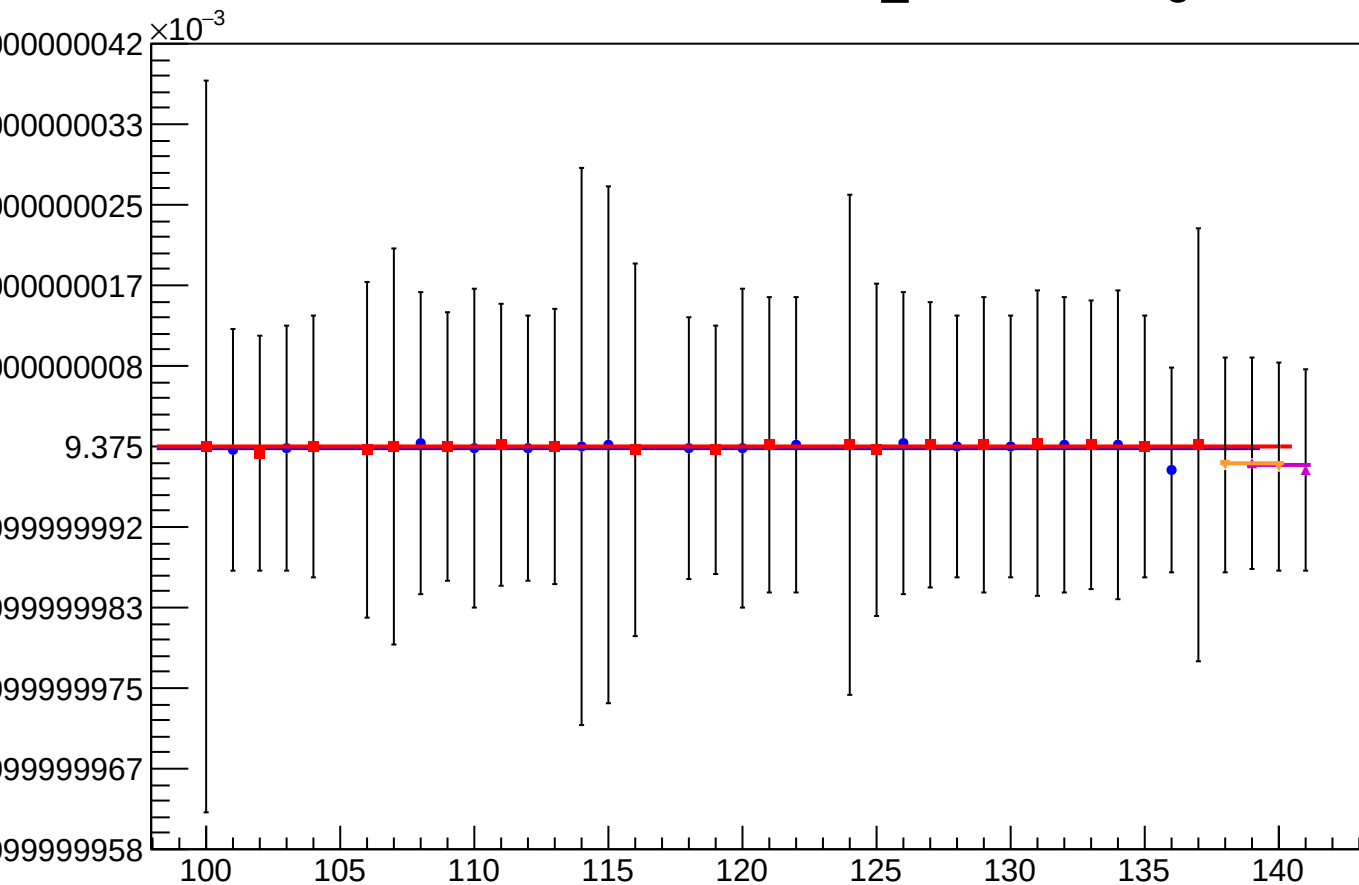
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

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

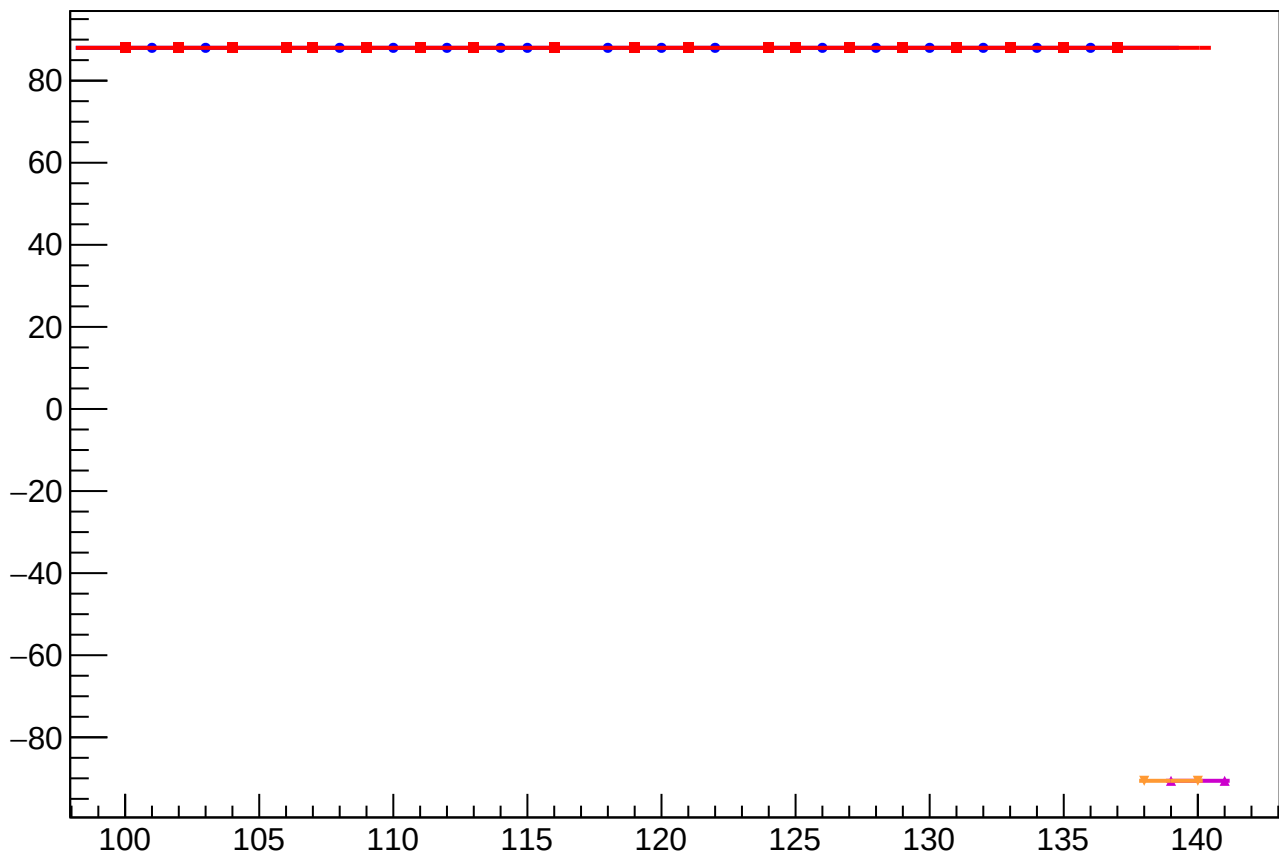
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF : 70278.0/1

Right Out: 88.003+/-0.000 χ^2/NDF : 73227058941379664360176091136.0/18

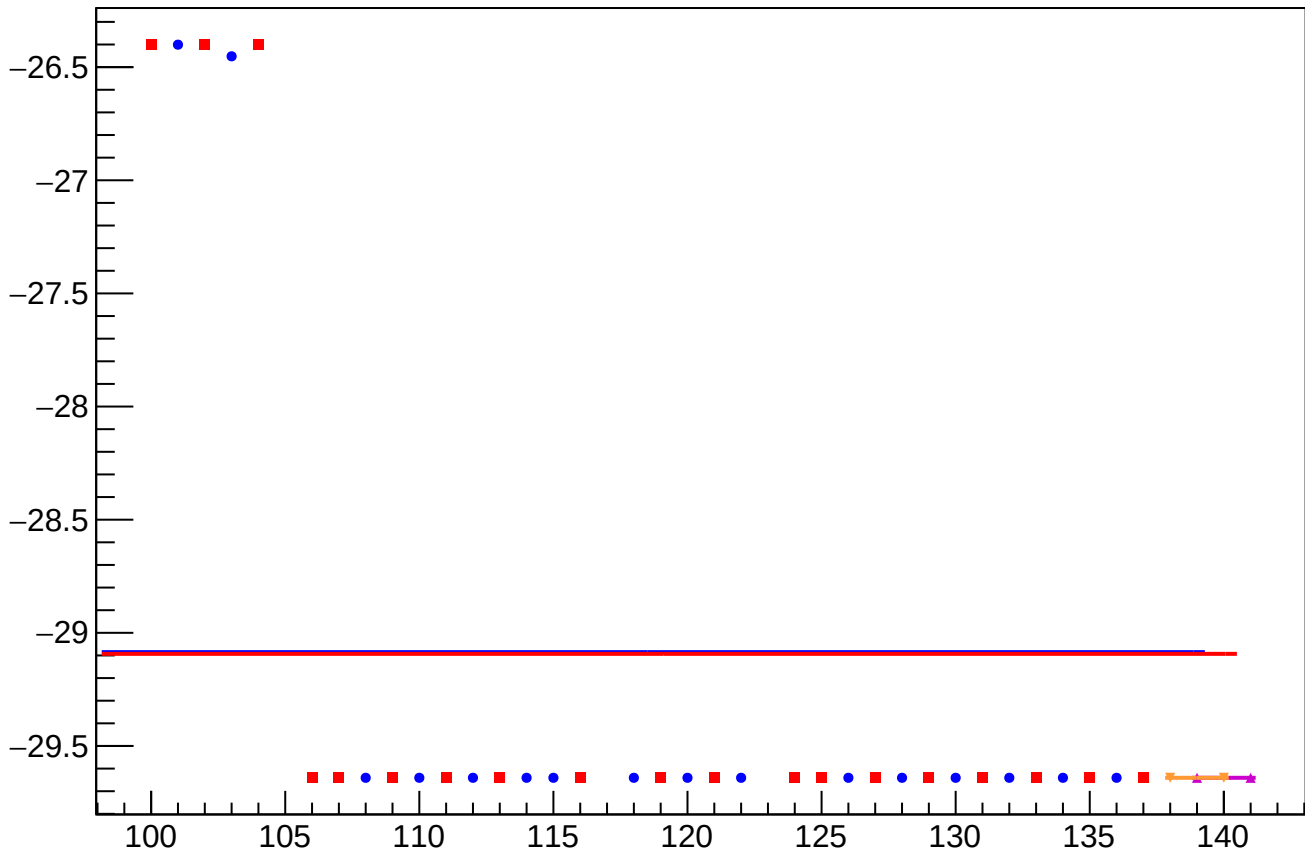
Left In: -90.599+/-0.000 χ^2/NDF : 185994.5/1

+ sign 54.992+/-0.000 χ^2/NDF : 4368441413069302

All: 54.677+/-0.000 χ^2/NDF : 8951578064876

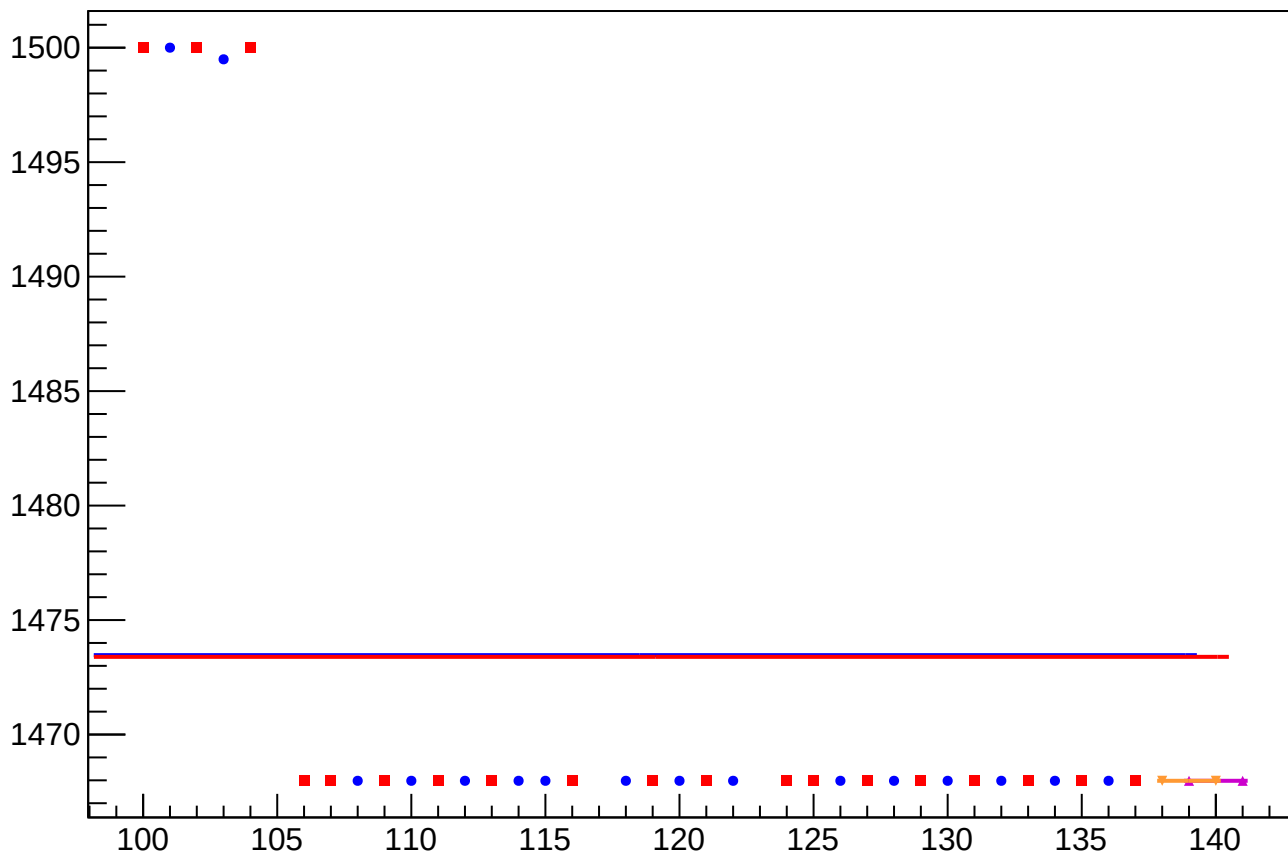
- sign 54.373+/-0.000 χ^2/NDF : 4582959456902925

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 : 5414.7/1
 + sign -29.188+/-0.000 χ^2/NDF : 113659823253183
 All: -29.192+/-0.000 χ^2/NDF : 230497744436
 - sign -29.196+/-0.000 χ^2/NDF : 1168349377021290

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

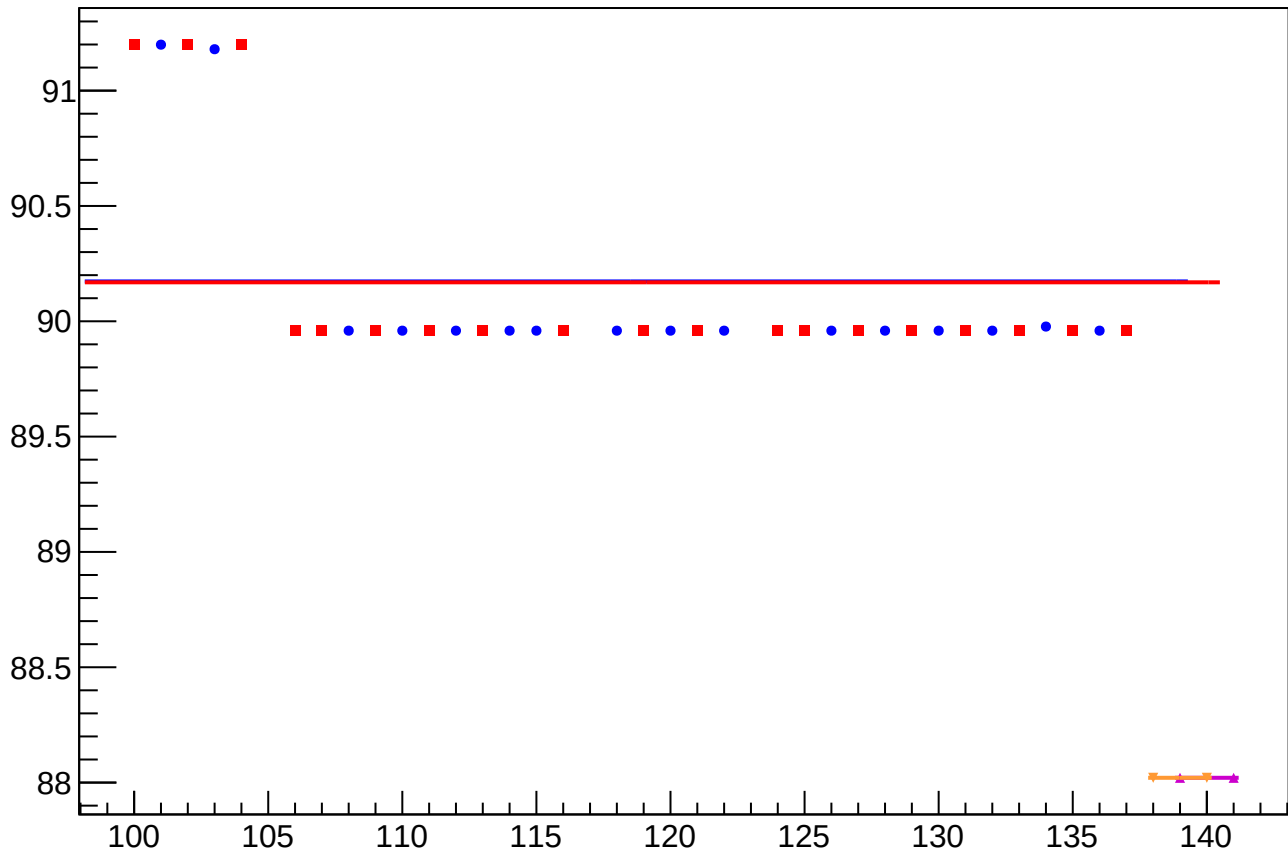
Left In: 1467.979+/-0.000 χ^2/NDF : 4807987.3/1

+ sign 1472.453+/-0.000 χ^2/NDF : 11101911394143

All: 1472.413+/-0.000 χ^2/NDF : 22514248764

- sign 1472.374+/-0.000 χ^2/NDF : 11412045954180

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

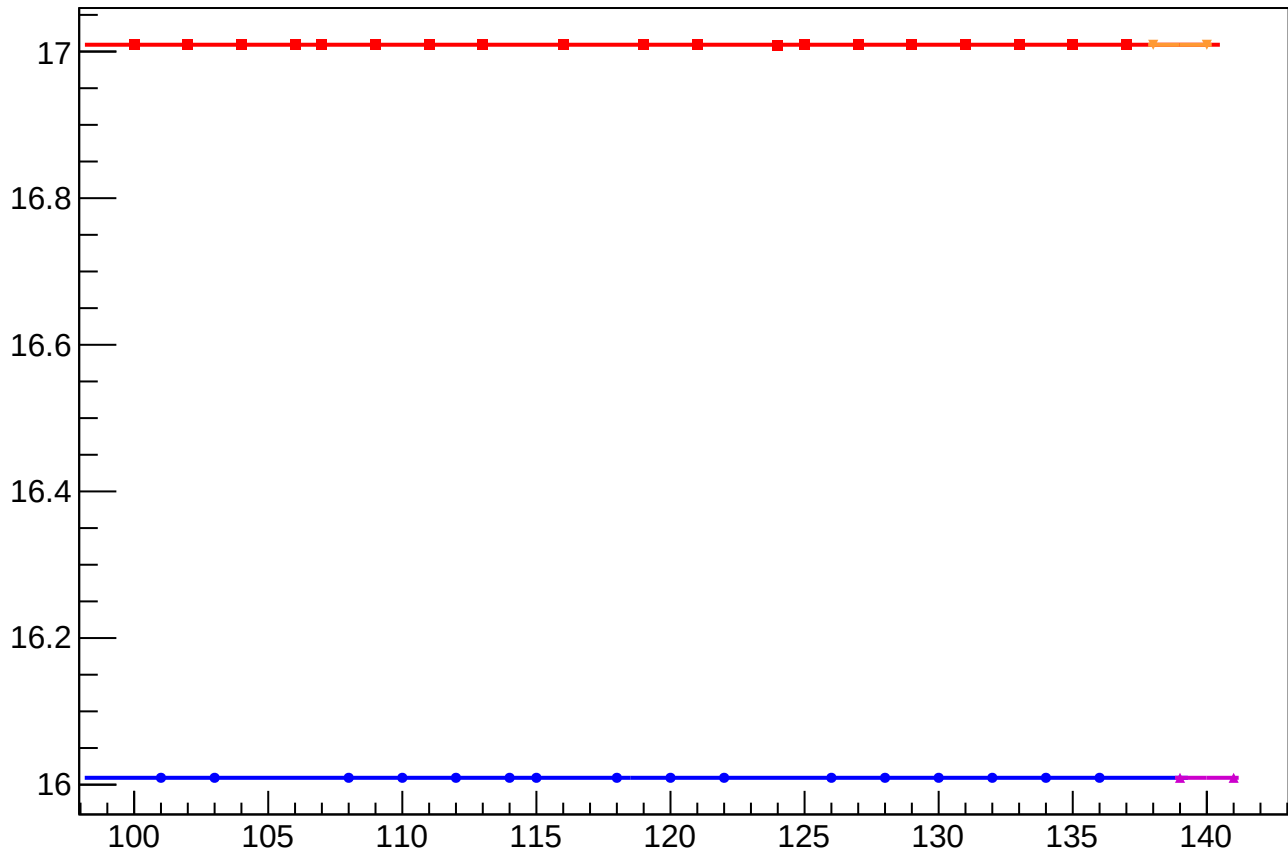
Left In: 88.021+/-0.000 χ^2/NDF : 92088.5/1

+ sign 89.775+/-0.000 χ^2/NDF : 7942742956641445

All: 89.770+/-0.000 χ^2/NDF : 1622175009893

- sign 89.764+/-0.000 χ^2/NDF : 8278489495345272

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44239.3/15

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 15360085914458320273408.0/1

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 13878987313036743260766208.0/18

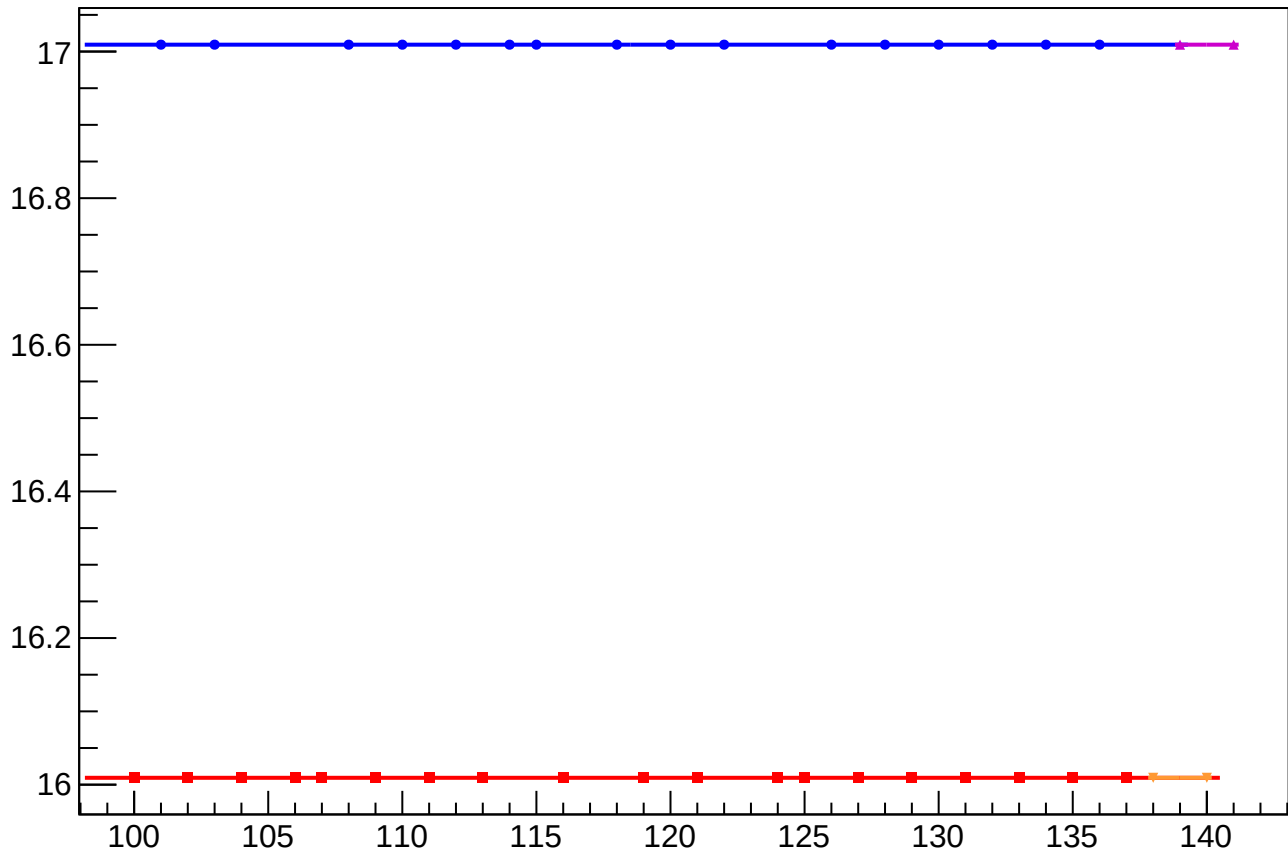
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 984.5/1

+ sign 16.184 $\pm$ 0.000 χ^2 /NDF: 1228706262722611

All: 16.503 $\pm$ 0.000 χ^2 /NDF: 4263404647243

- sign 16.820 $\pm$ 0.000 χ^2 /NDF: 1312815938943664

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 126634.3/15

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 10905.2/1

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 39518.8/18

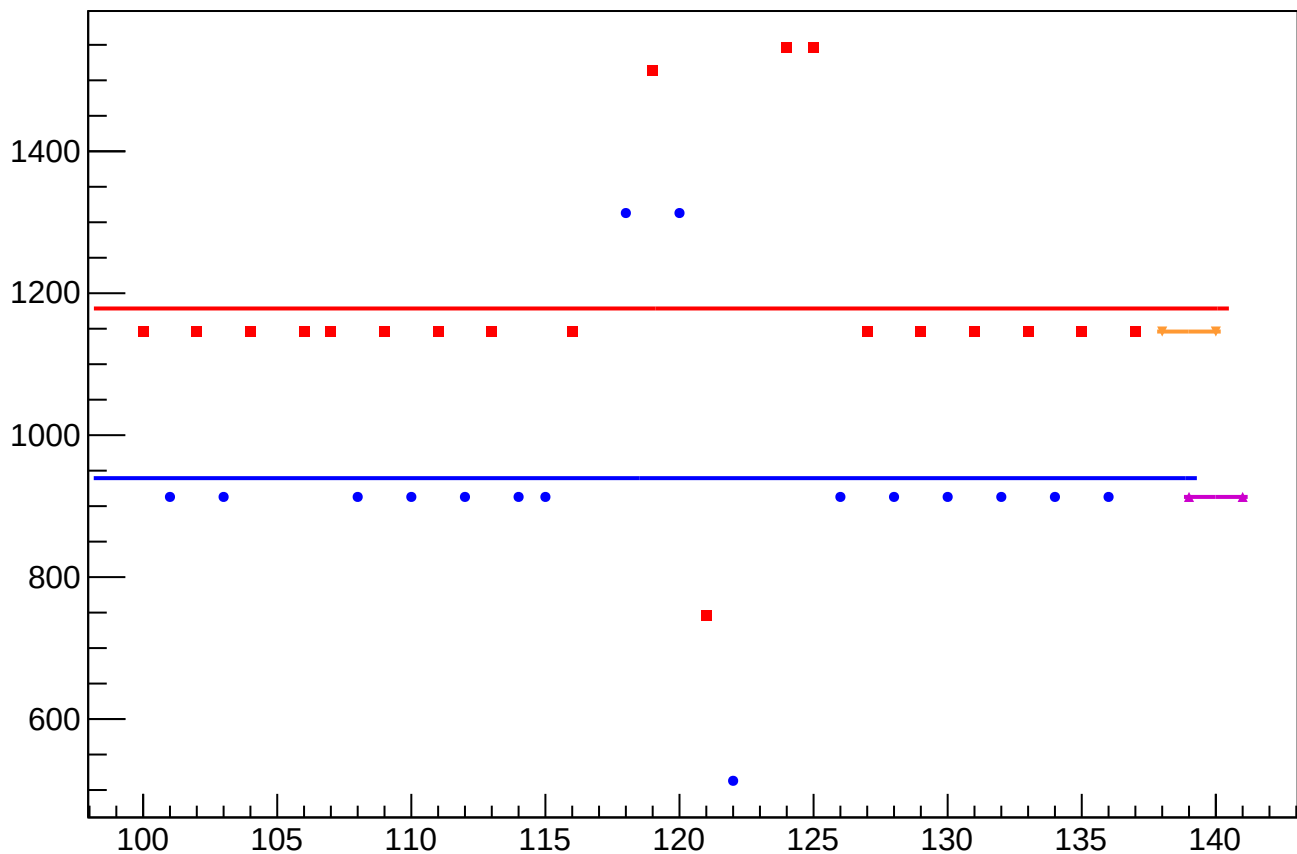
Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 1173.8/1

+ sign 16.817 $\pm$ 0.000 χ^2/NDF : 1357440000000003

All: 16.498 $\pm$ 0.000 χ^2/NDF : 4524947542793

- sign 16.198 $\pm$ 0.000 χ^2/NDF : 1435288461538345

RTPAPOSUCNT_mean vs Slug



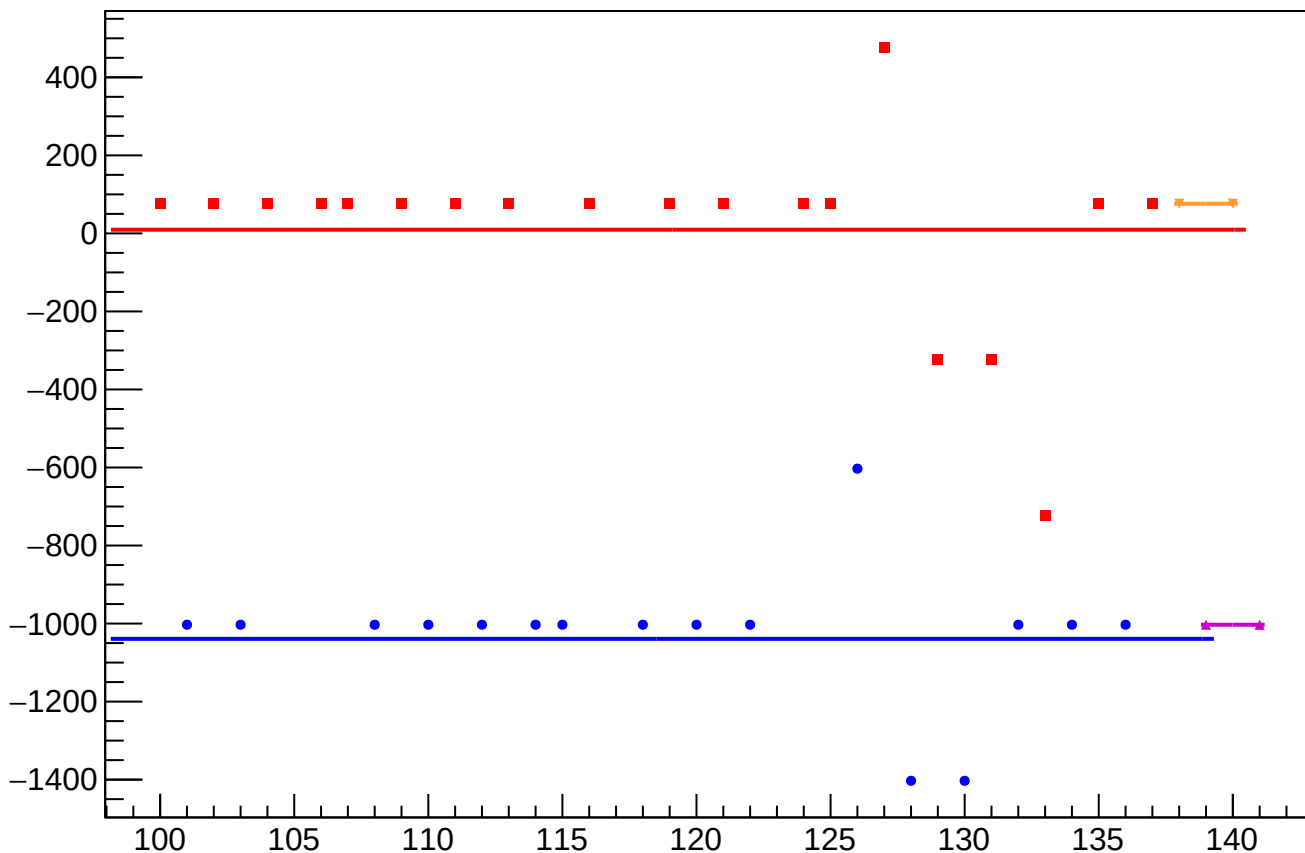
Right In: 939.446+/-0.000 χ^2/NDF : 21082933856092788763552768673189986304.0/15

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 : 1303401082776590290518016.0/1

RTPAPOSVCNT_mean vs Slug



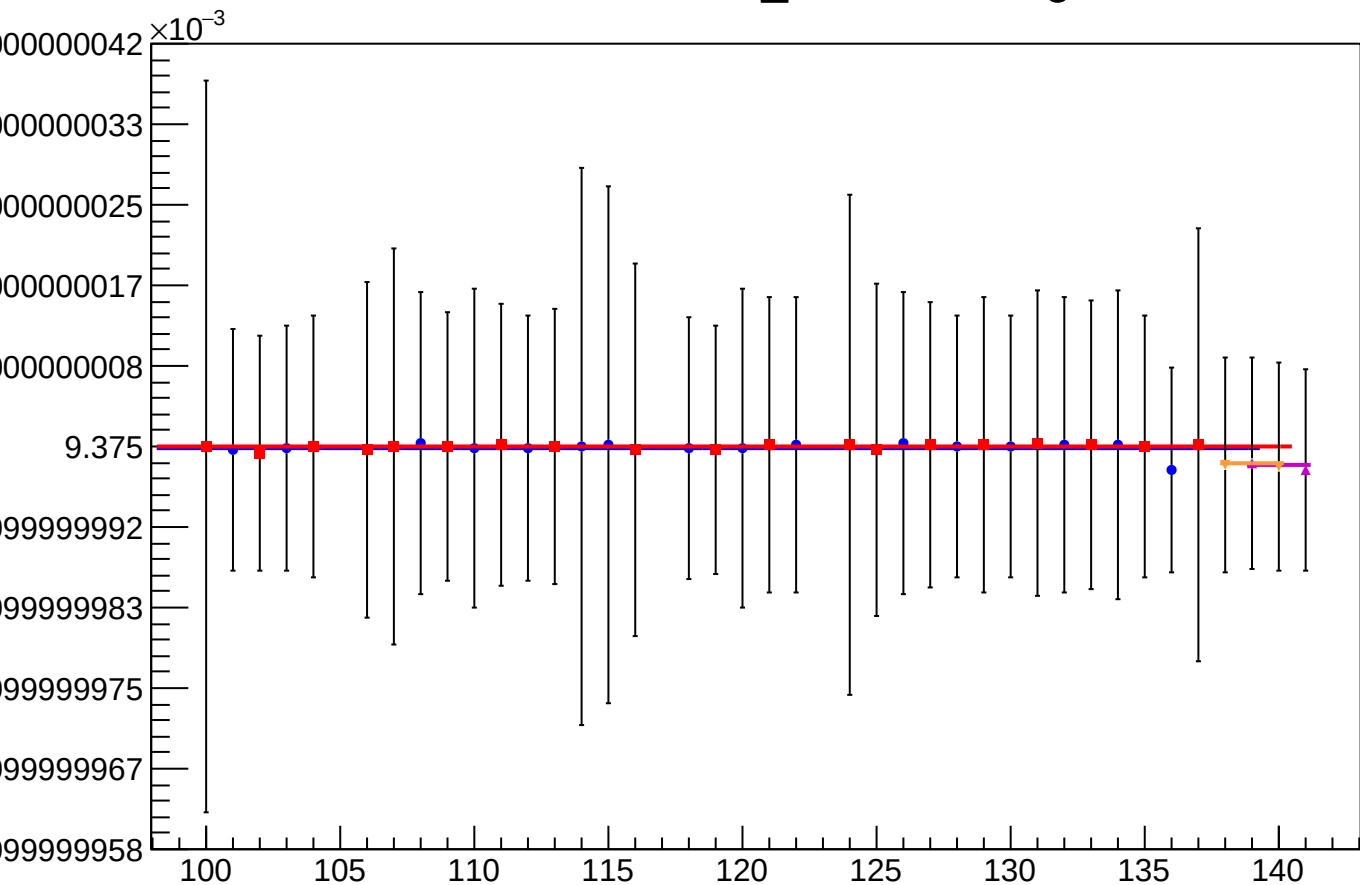
Right In: -1039.157+/-0.000 χ^2/NDF : 22870377308507164002708101555084591104.0/15

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: -1002.990+/-0.000 χ^2/NDF : 87017011574707556569841664.0/1

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

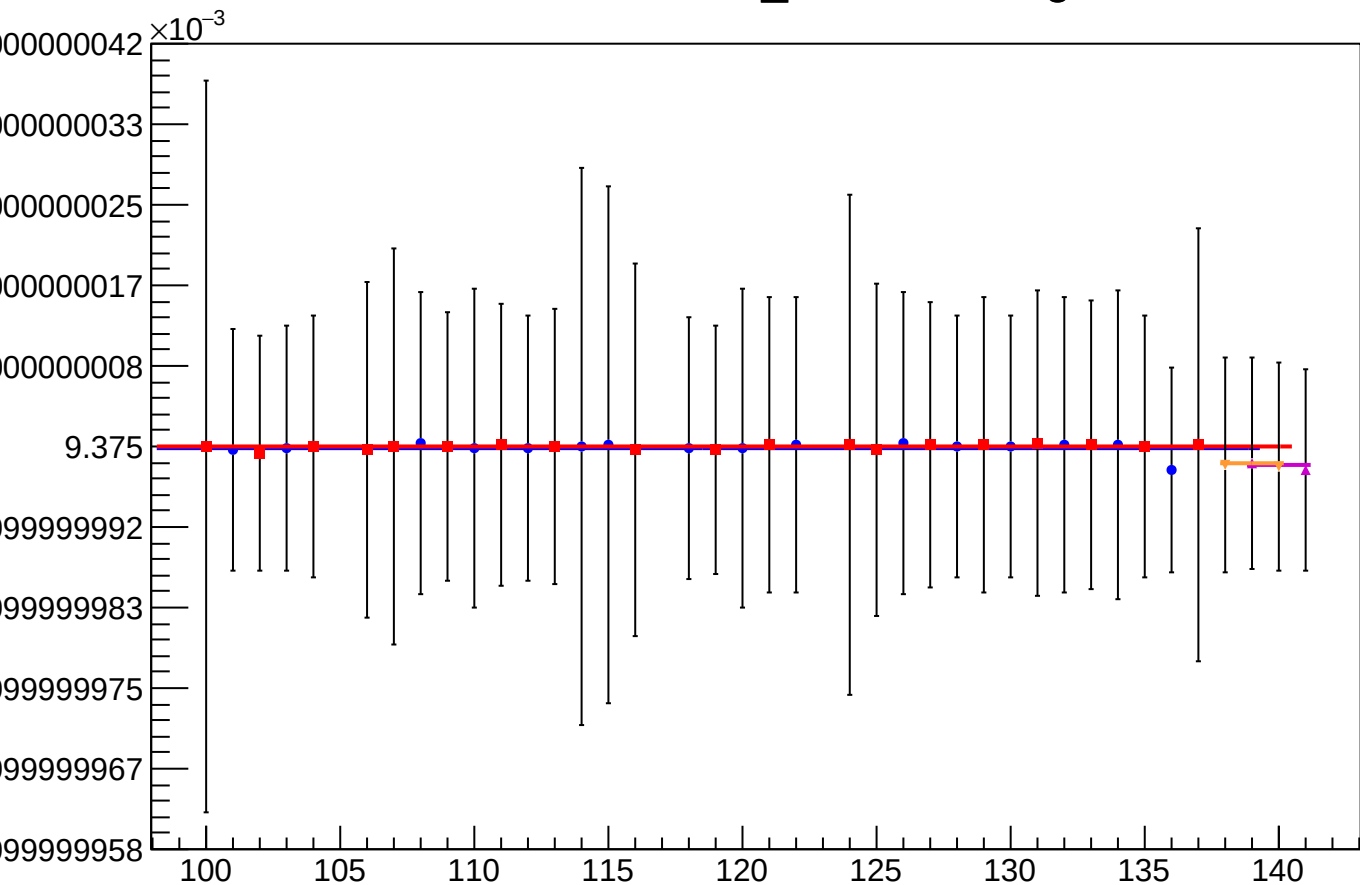
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

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: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/38

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20