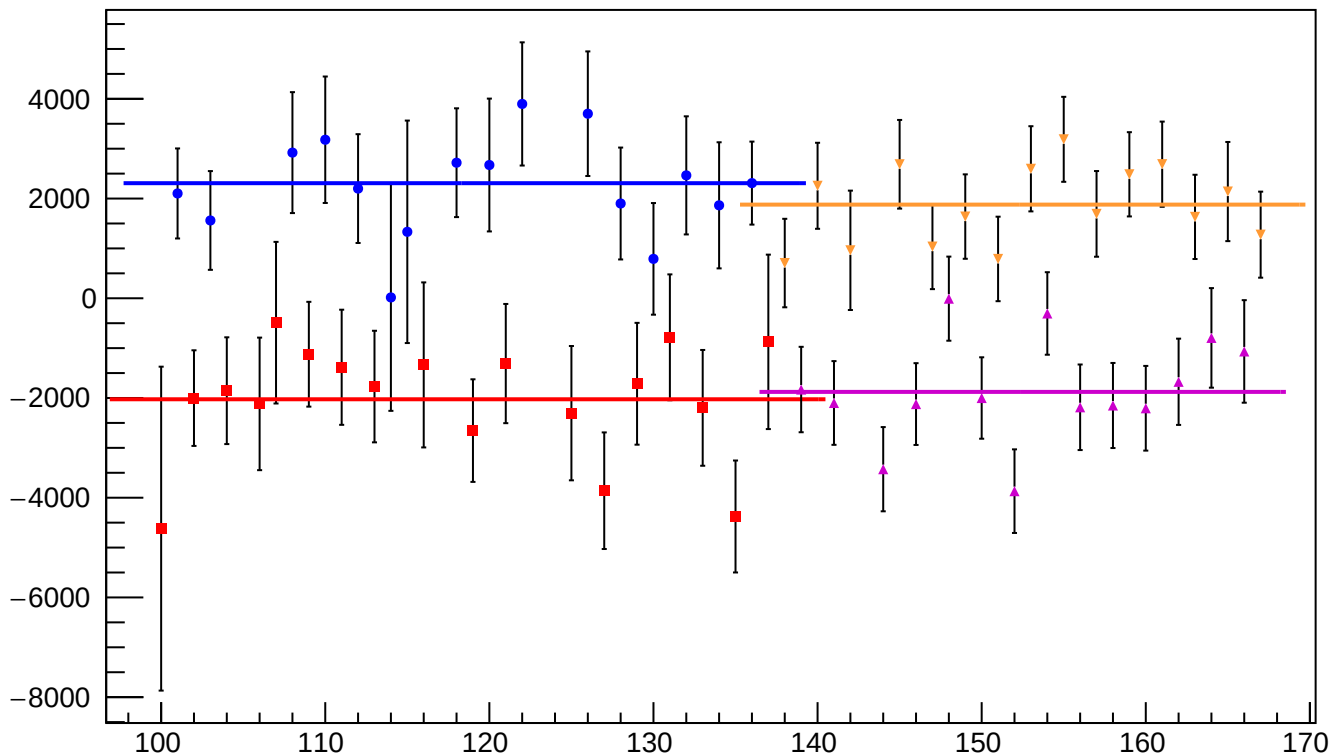


reg_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431

χ^2/NDF : 7.8/15

Left Out: 1878.432+/-227.228

χ^2/NDF : 11.2/14

Right Out: -2025.627+/-289.797

χ^2/NDF : 11.9/17

Left In: -1877.723+/-230.253

χ^2/NDF : 20.0/13

+ sign 2041.597+/-178.963

χ^2/NDF : 20.4/30

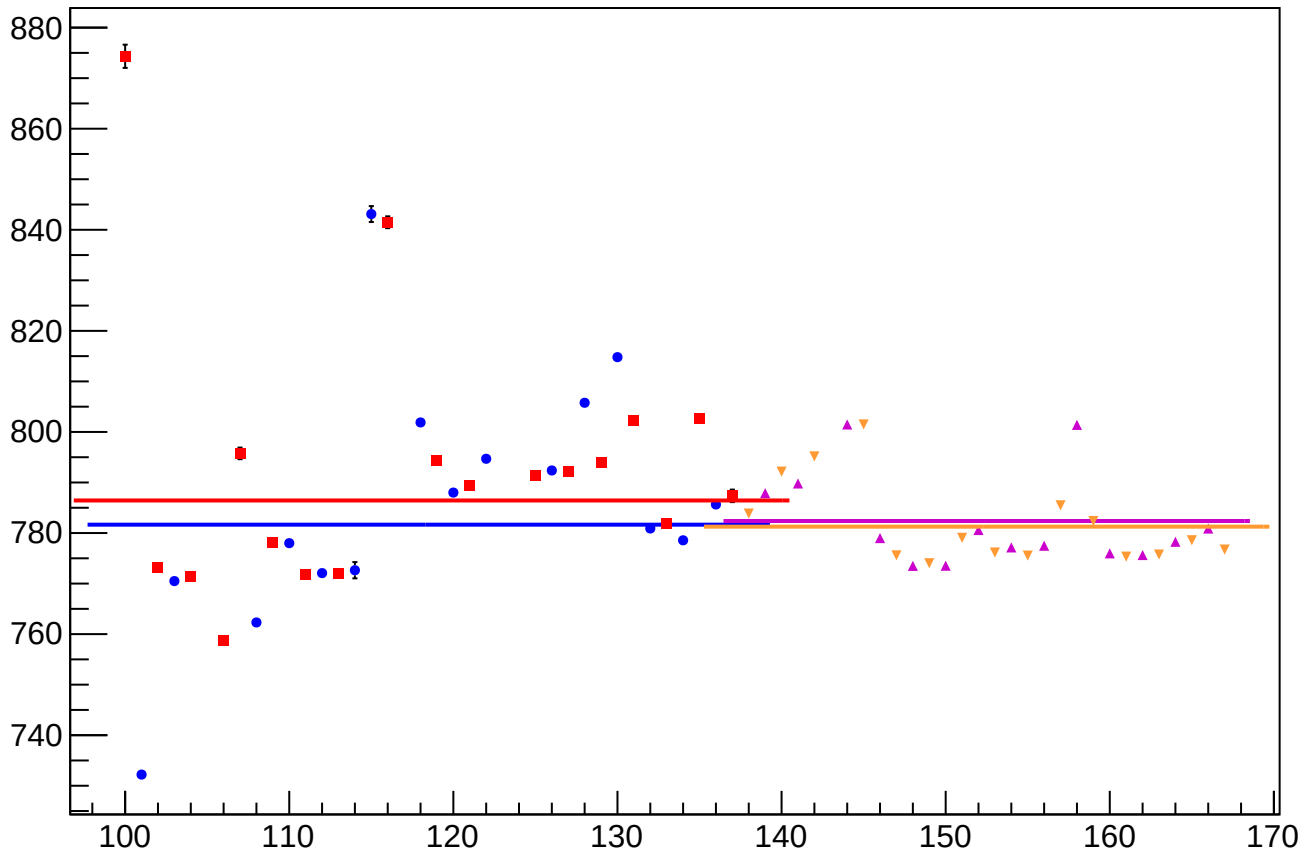
All: 67.869+/-127.008

χ^2/NDF : 297.5/62

- sign -1934.960+/-180.277

χ^2/NDF : 32.1/31

reg_asym_us_avg_rms vs Slug



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

Left Out: 781.260 ± 0.161 χ^2/NDF : 2354.2/14

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

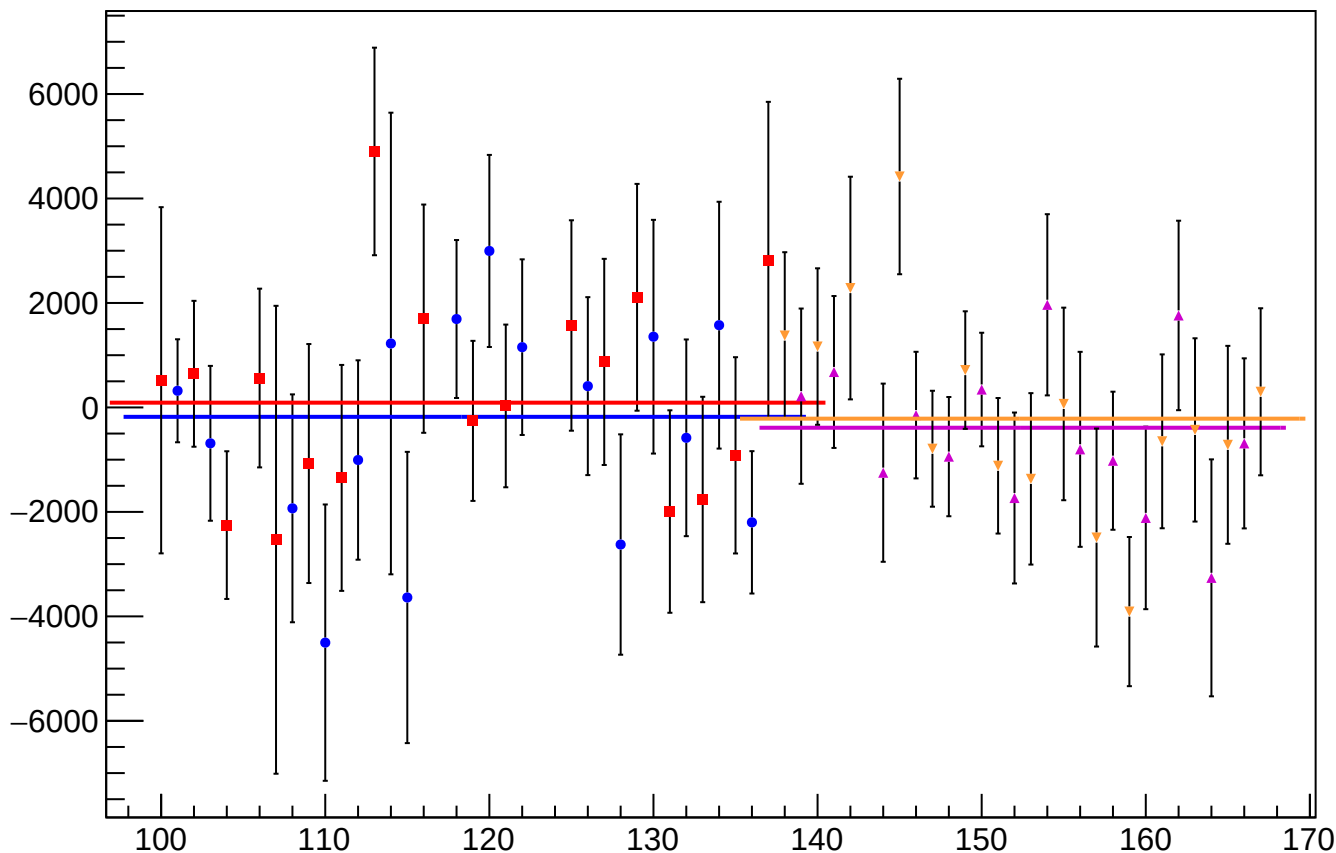
Left In: 782.380 ± 0.163 χ^2/NDF : 3172.8/13

+ sign 781.409 ± 0.127 χ^2/NDF : 14675.6/30

All: 782.672 ± 0.090 χ^2/NDF : 25491.4/62

- sign 783.953 ± 0.127 χ^2/NDF : 10615.3/31

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -214.767 ± 399.011 $\chi^2/\text{NDF}: 19.4/14$

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

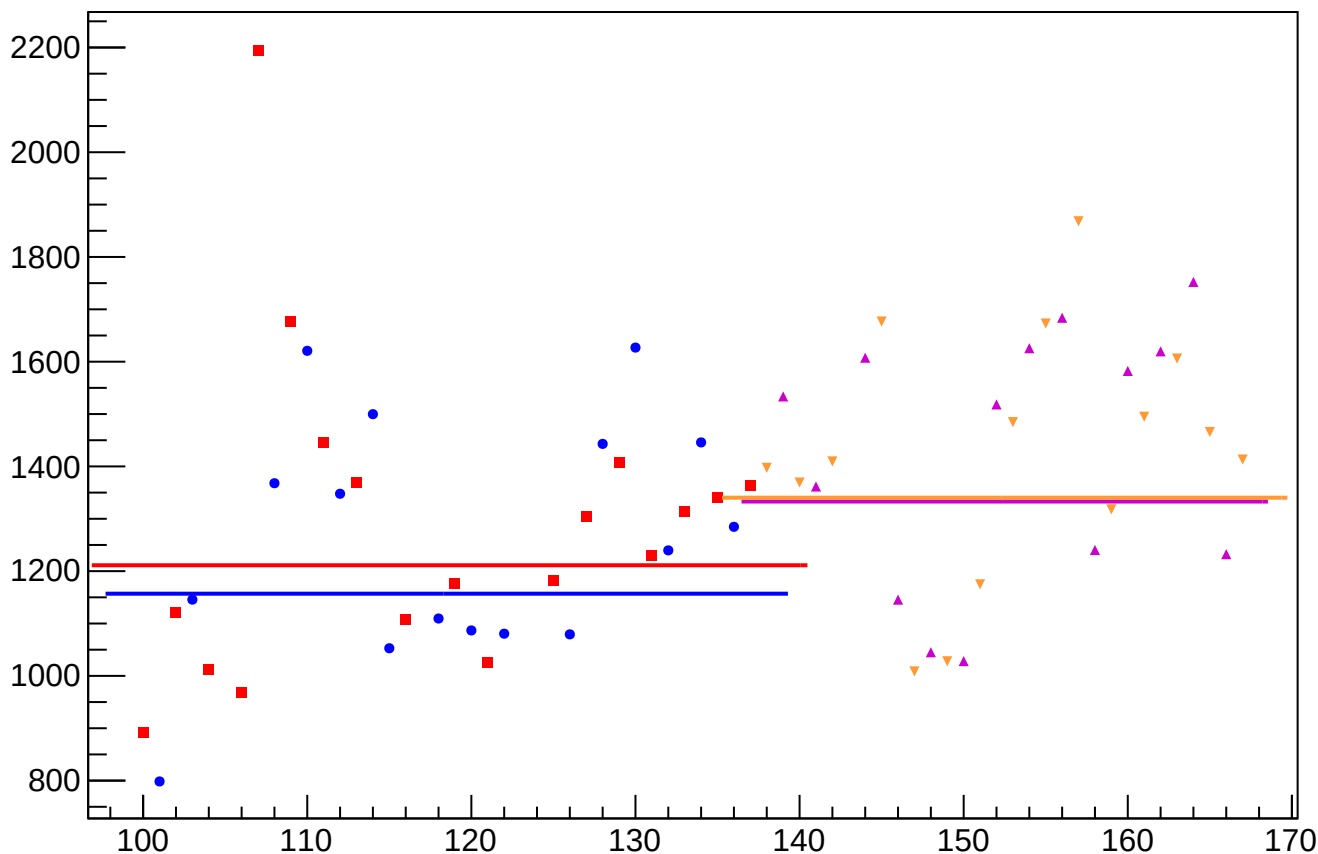
Left In: -388.762 ± 400.458 $\chi^2/\text{NDF}: 8.5/13$

+ sign -199.076 ± 295.808 $\chi^2/\text{NDF}: 34.8/30$

All: -189.257 ± 210.826 $\chi^2/\text{NDF}: 59.1/62$

- sign -179.121 ± 300.556 $\chi^2/\text{NDF}: 24.3/31$

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1340.249+/-0.282 χ^2/NDF : 720598.0/14

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

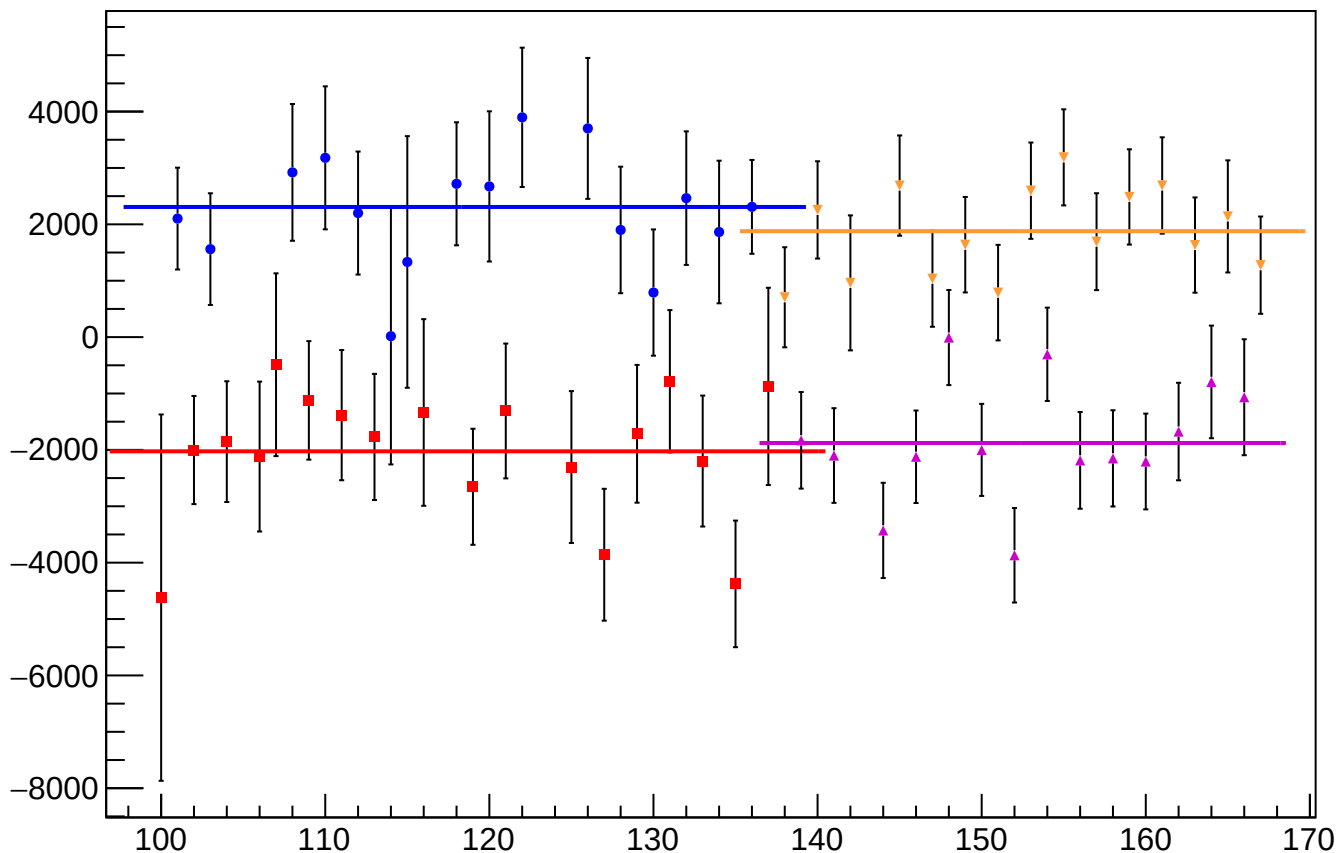
Left In: 1332.919+/-0.283 χ^2/NDF : 743302.6/13

+ sign 1257.691+/-0.209 χ^2/NDF : 1479817.4/30

All: 1268.565+/-0.149 χ^2/NDF : 2706932.6/62

- sign 1279.791+/-0.213 χ^2/NDF : 1221622.2/31

cor_asym_us_avg_mean vs Slug



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

Left Out: 1878.432+/-227.228 χ^2/NDF : 11.2/14

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

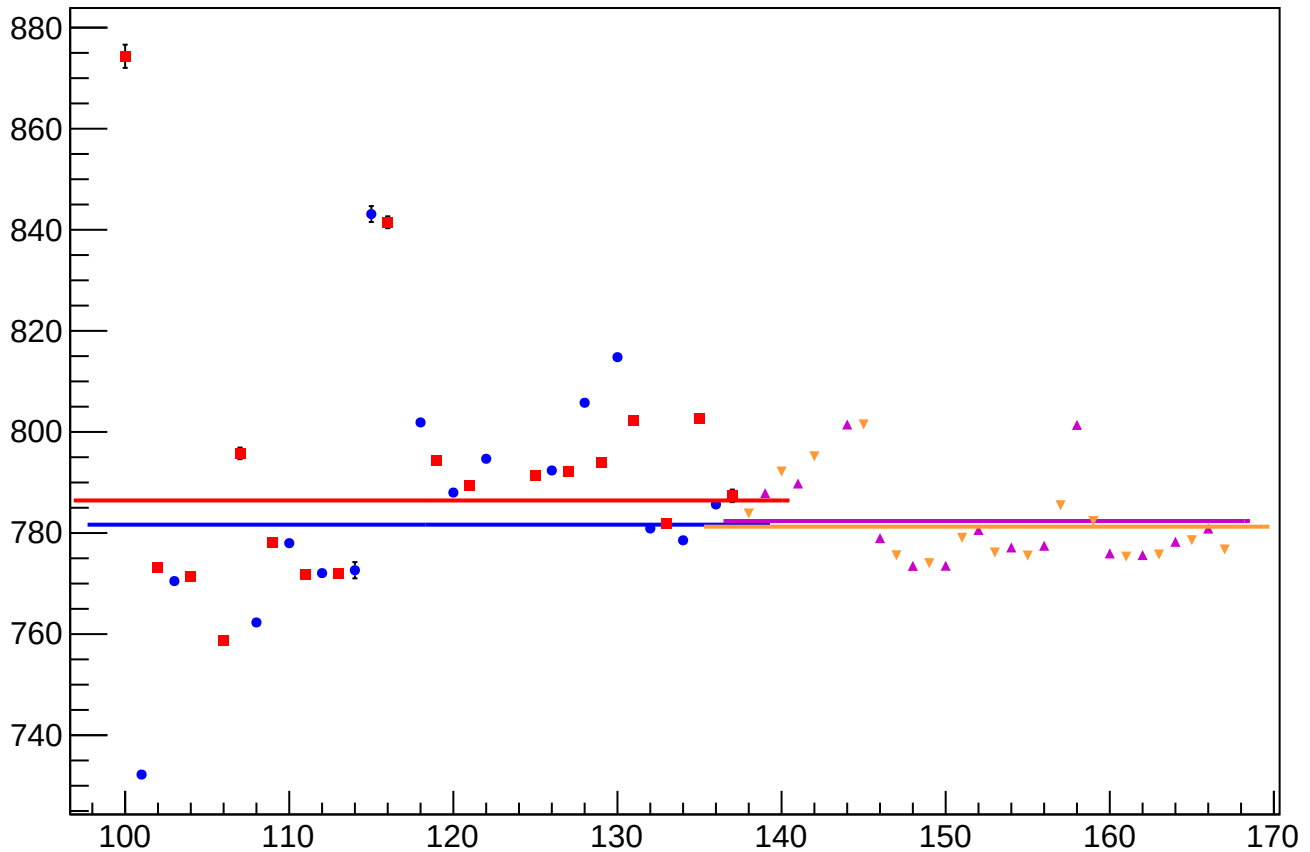
Left In: -1877.723+/-230.253 χ^2/NDF : 20.0/13

+ sign 2041.597+/-178.963 χ^2/NDF : 20.4/30

All: 67.869+/-127.008 χ^2/NDF : 297.5/62

- sign -1934.960+/-180.277 χ^2/NDF : 32.1/31

cor_asym_us_avg_rms vs Slug



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

Left Out: 781.260 ± 0.161 $\chi^2/\text{NDF}: 2354.2/14$

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

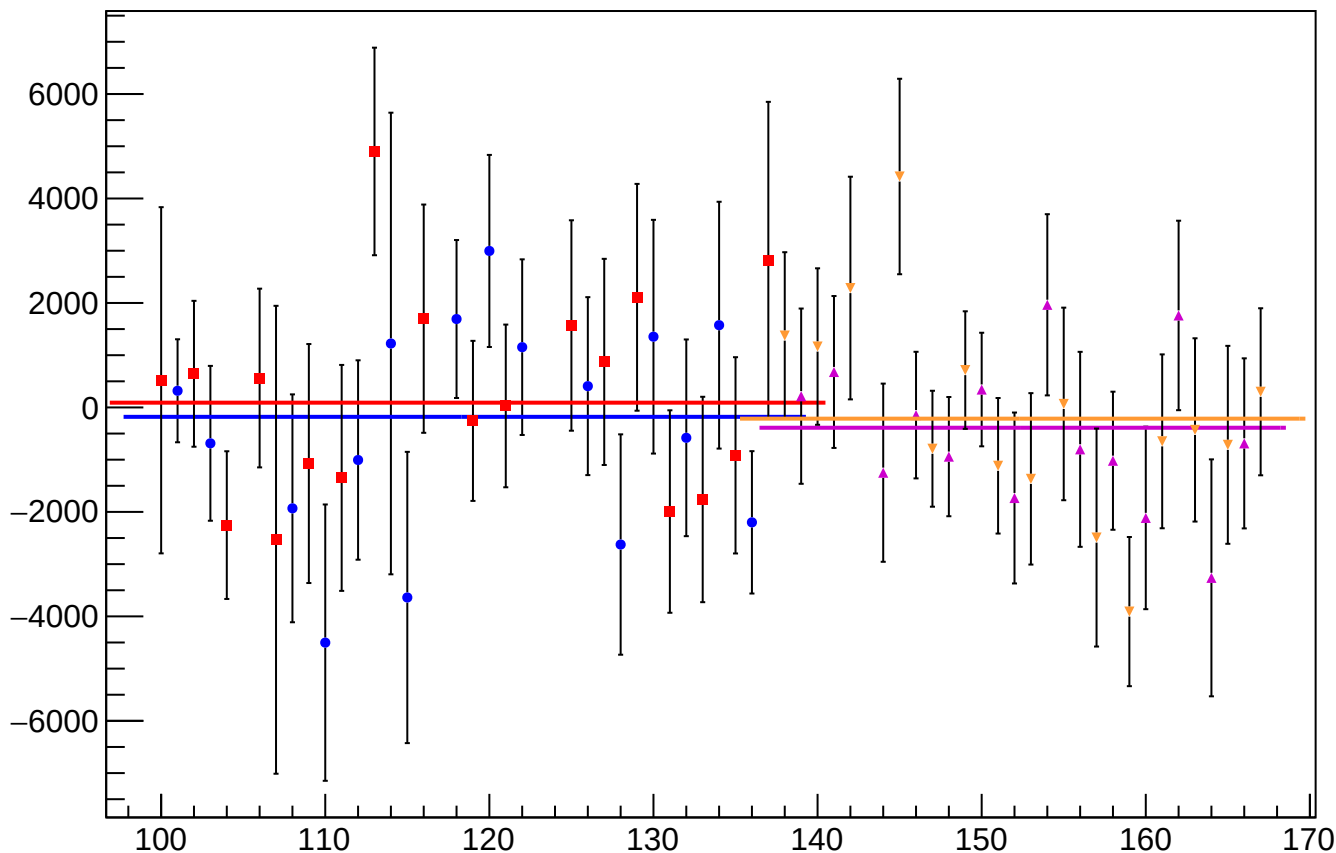
Left In: 782.380 ± 0.163 $\chi^2/\text{NDF}: 3172.8/13$

+ sign 781.409 ± 0.127 $\chi^2/\text{NDF}: 14675.6/30$

All: 782.672 ± 0.090 $\chi^2/\text{NDF}: 25491.4/62$

- sign 783.953 ± 0.127 $\chi^2/\text{NDF}: 10615.3/31$

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -214.767 ± 399.011 $\chi^2/\text{NDF}: 19.4/14$

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

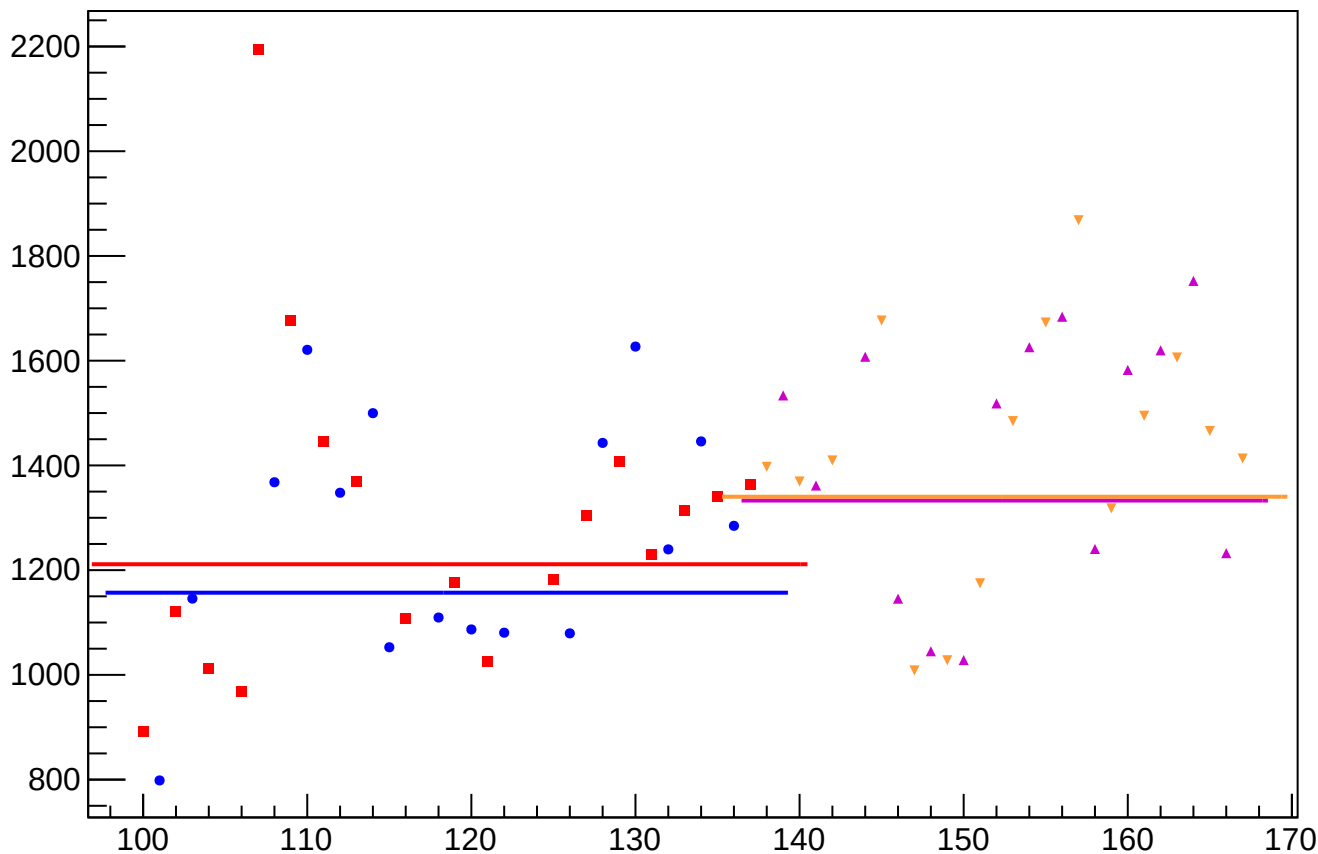
Left In: -388.762 ± 400.458 $\chi^2/\text{NDF}: 8.5/13$

+ sign -199.076 ± 295.808 $\chi^2/\text{NDF}: 34.8/30$

All: -189.257 ± 210.826 $\chi^2/\text{NDF}: 59.1/62$

- sign -179.121 ± 300.556 $\chi^2/\text{NDF}: 24.3/31$

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1340.249 $\pm$ 0.282 χ^2 /NDF: 720598.0/14

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

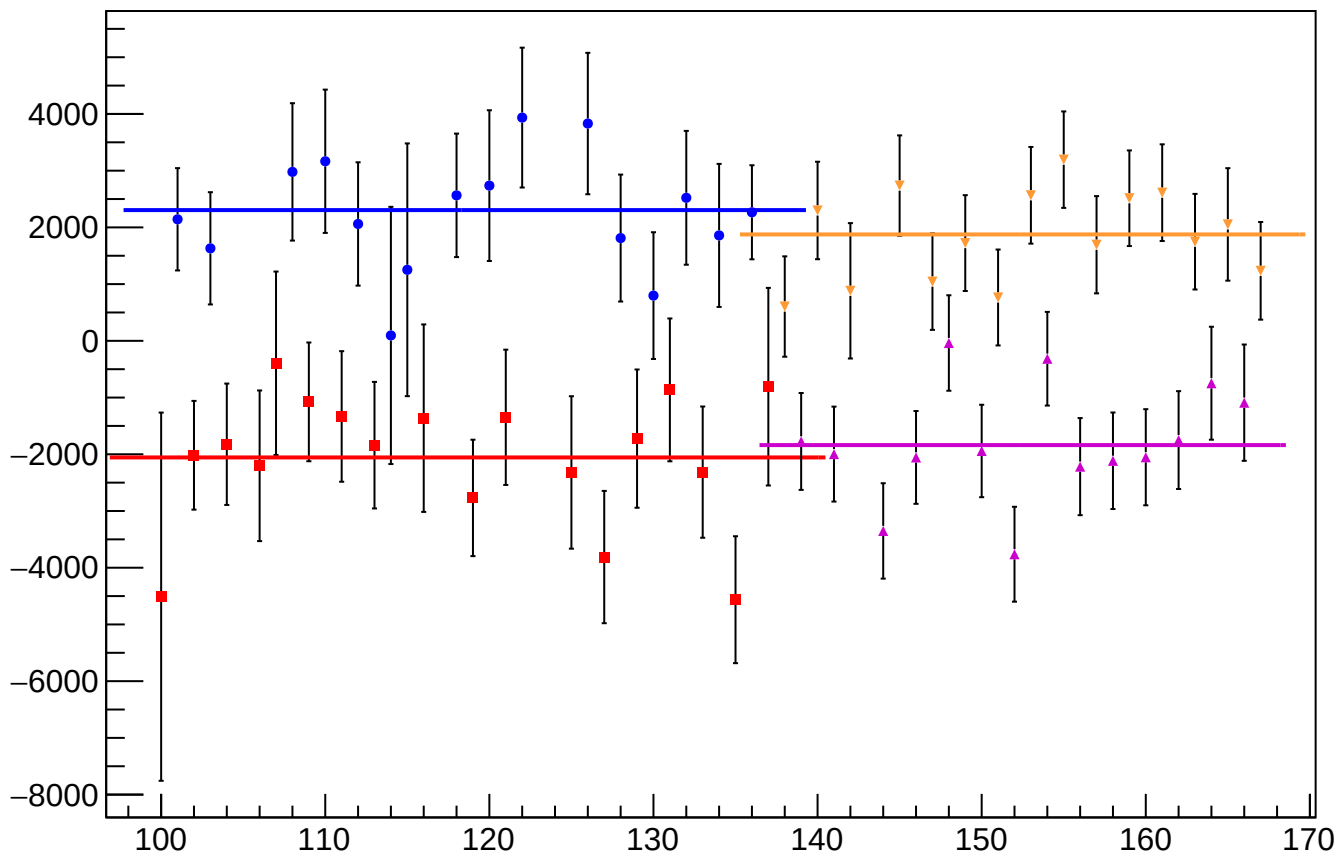
Left In: 1332.919 $\pm$ 0.283 χ^2 /NDF: 743302.6/13

+ sign 1257.691 $\pm$ 0.209 χ^2 /NDF: 1479817.4/30

All: 1268.565 $\pm$ 0.149 χ^2 /NDF: 2706932.6/62

- sign 1279.791 $\pm$ 0.213 χ^2 /NDF: 1221622.2/31

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1875.988 $\pm$ 226.618 χ^2 /NDF:11.7/14

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

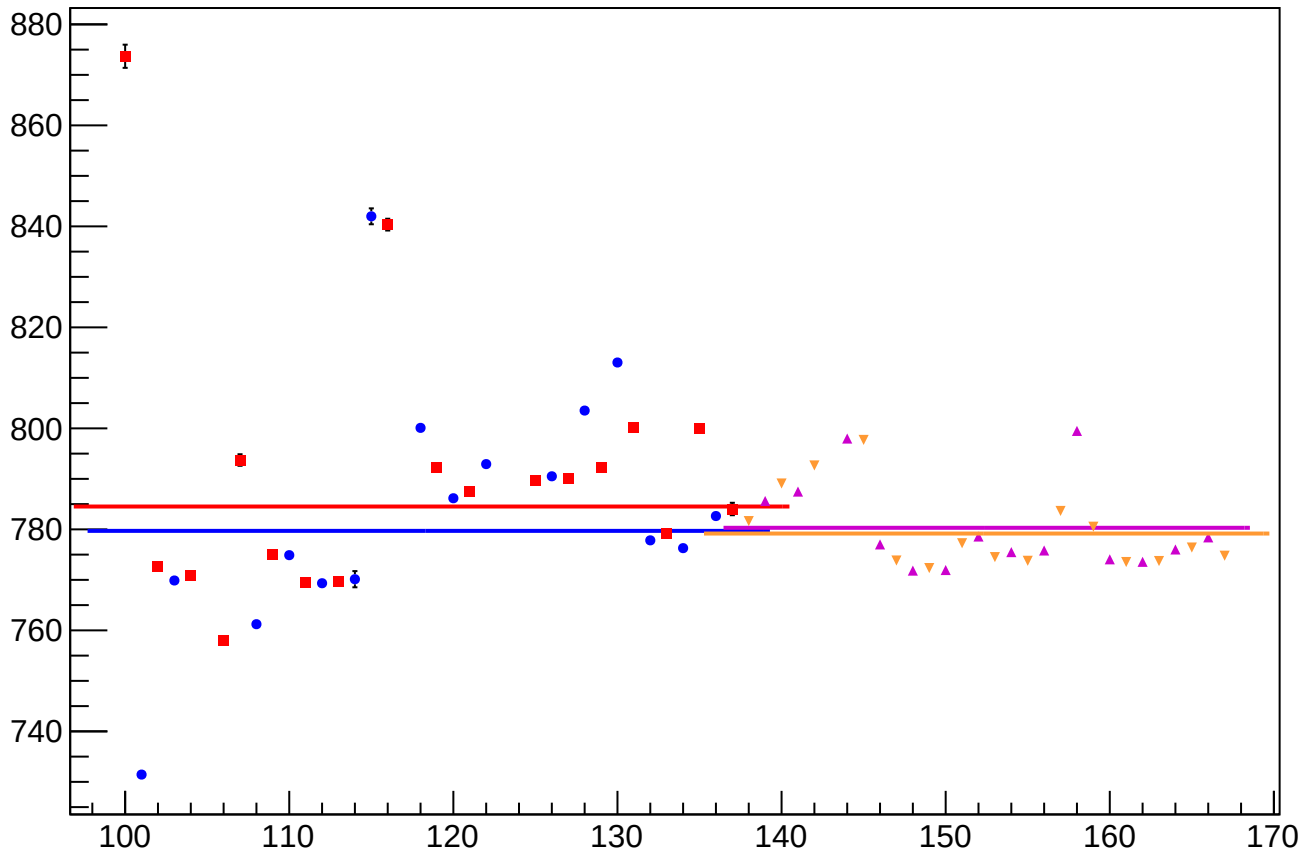
Left In: -1838.200 $\pm$ 229.643 χ^2 /NDF:18.7/13

+ sign 2038.791 $\pm$ 178.494 χ^2 /NDF: 21.1/30

All: 72.815 $\pm$ 126.679 χ^2 /NDF: 297.5/62

- sign -1922.335 $\pm$ 179.814 χ^2 /NDF: 32.0/31

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.173 $\pm$ 0.160 χ^2 /NDF: 2073.4/14

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

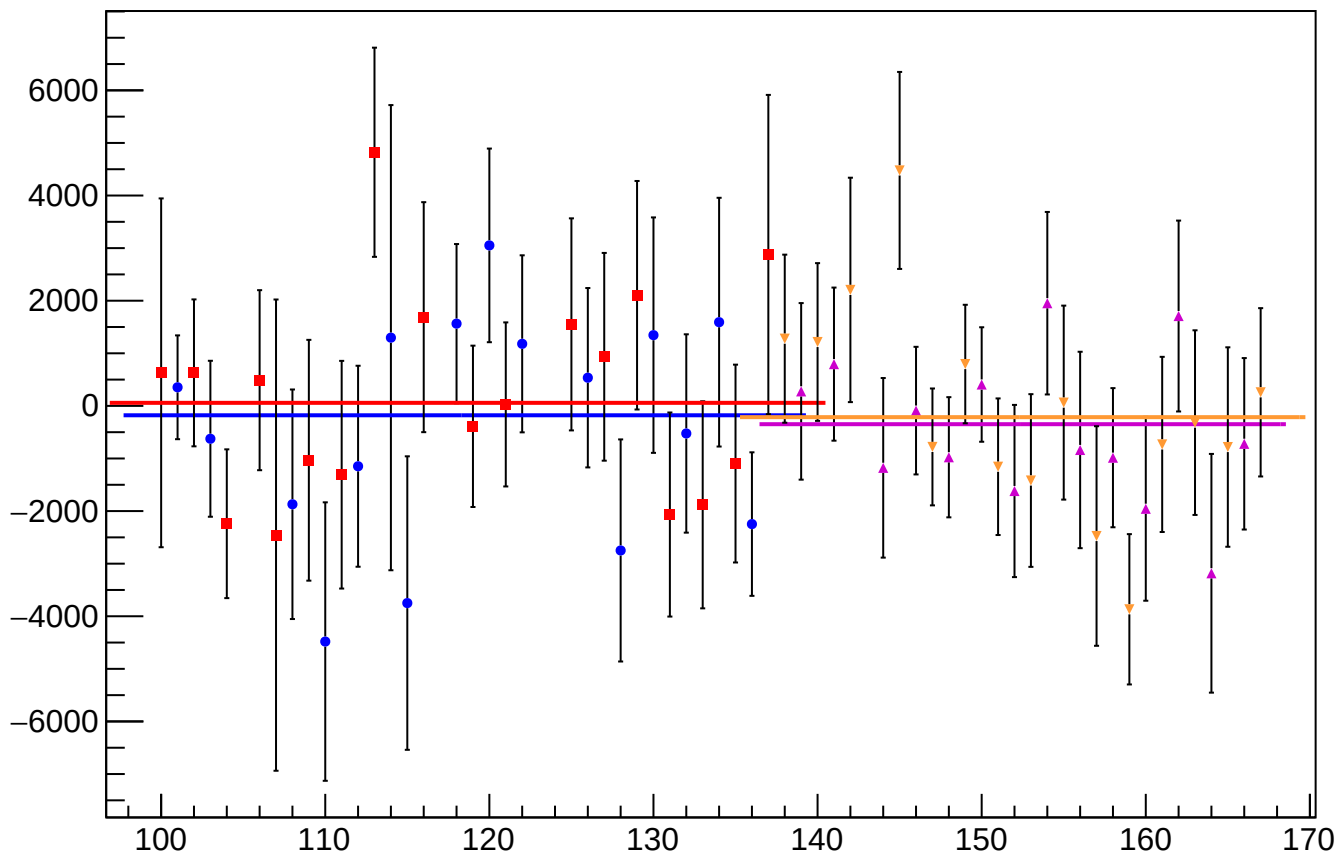
Left In: 780.311 $\pm$ 0.162 χ^2 /NDF: 2975.8/13

+ sign 779.374 $\pm$ 0.126 χ^2 /NDF: 14137.7/30

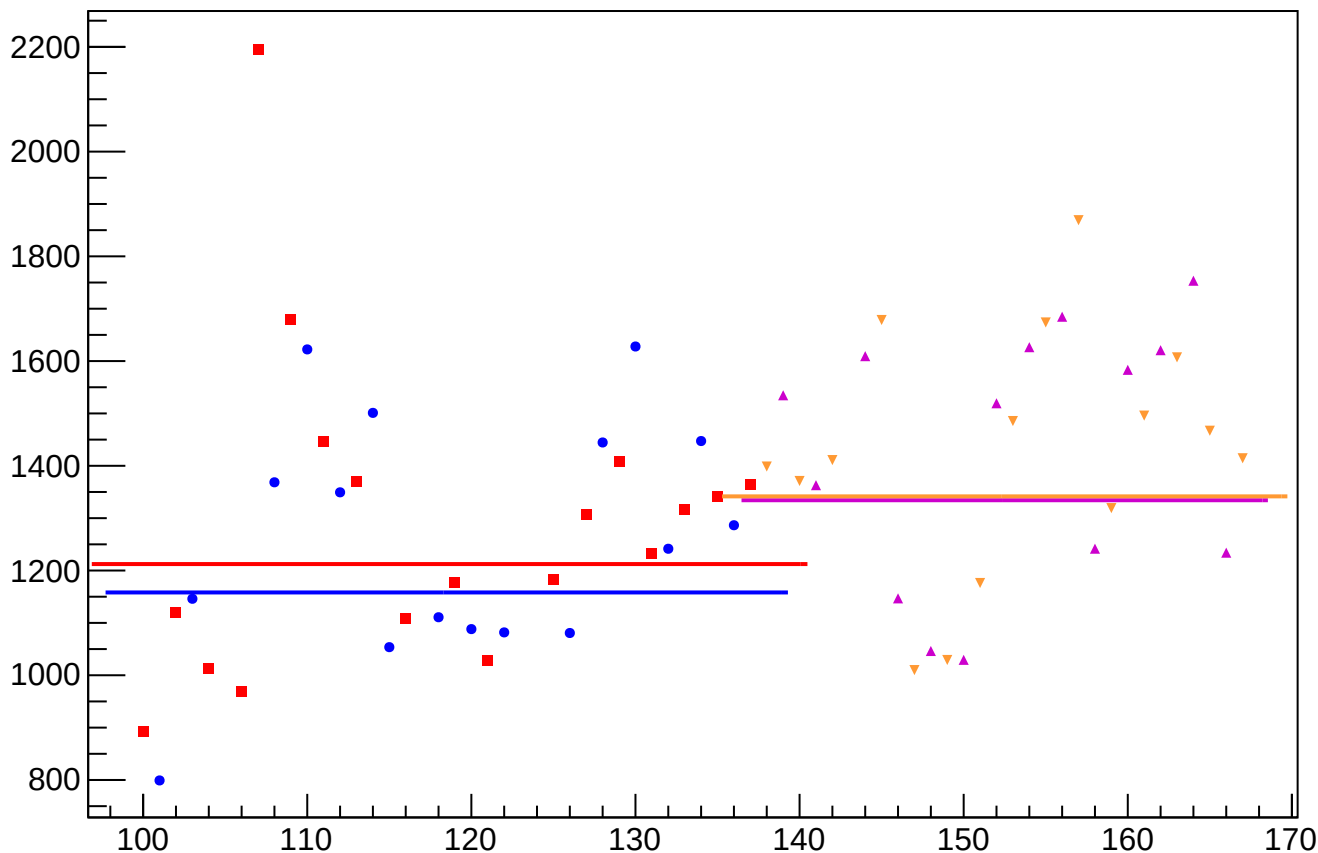
All: 780.648 $\pm$ 0.090 χ^2 /NDF: 24739.5/62

- sign 781.941 $\pm$ 0.127 χ^2 /NDF: 10396.4/31

asym_us_avg_overload_cor_correction_mean vs Slug



asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1341.614+/-0.282 χ^2/NDF : 718699.8/14

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

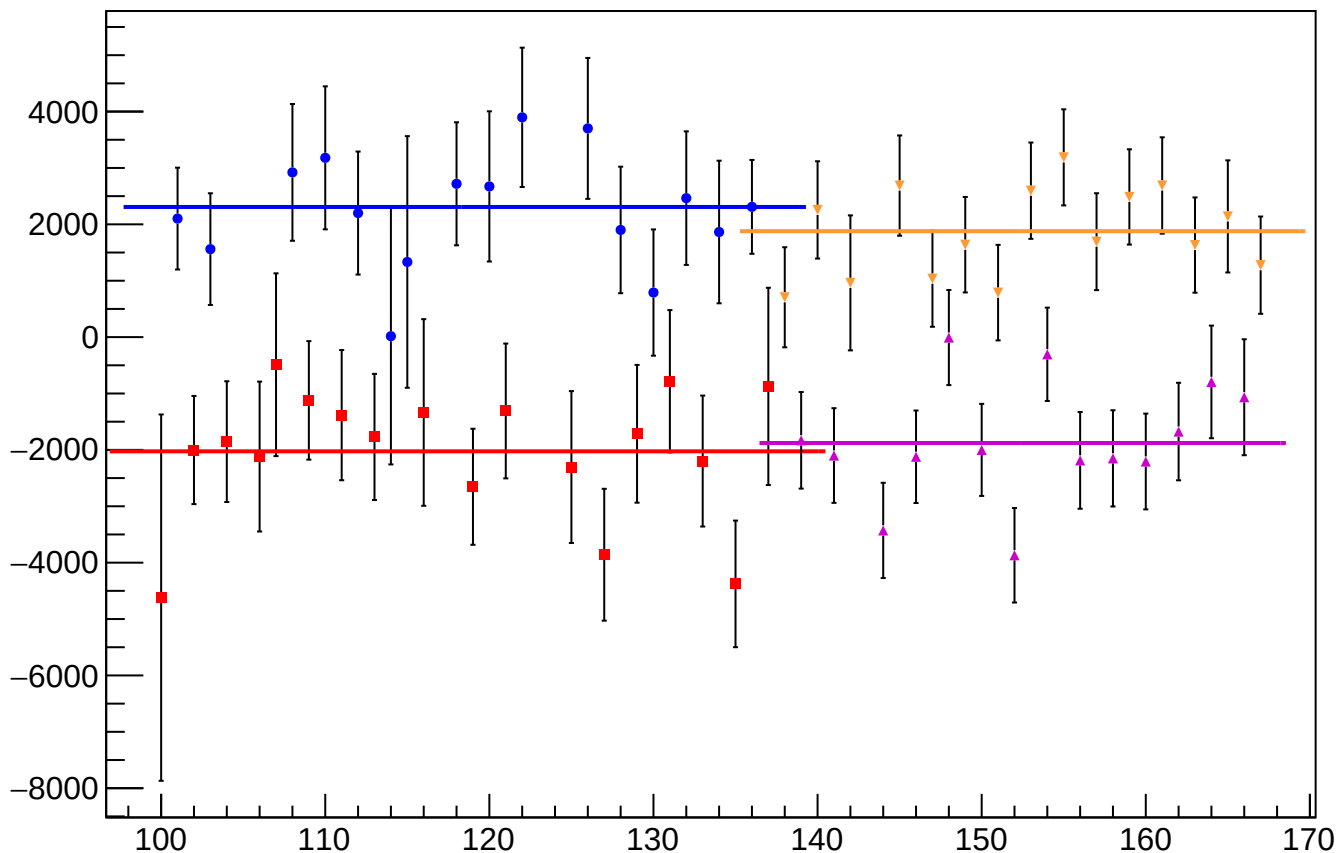
Left In: 1334.243+/-0.283 χ^2/NDF : 741509.5/13

+ sign 1258.980+/-0.209 χ^2/NDF : 1477940.9/30

All: 1269.819+/-0.149 χ^2/NDF : 2703612.5/62

- sign 1281.007+/-0.213 χ^2/NDF : 1220225.4/31

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1878.432 $\pm$ 227.228 χ^2/NDF : 11.2/14

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

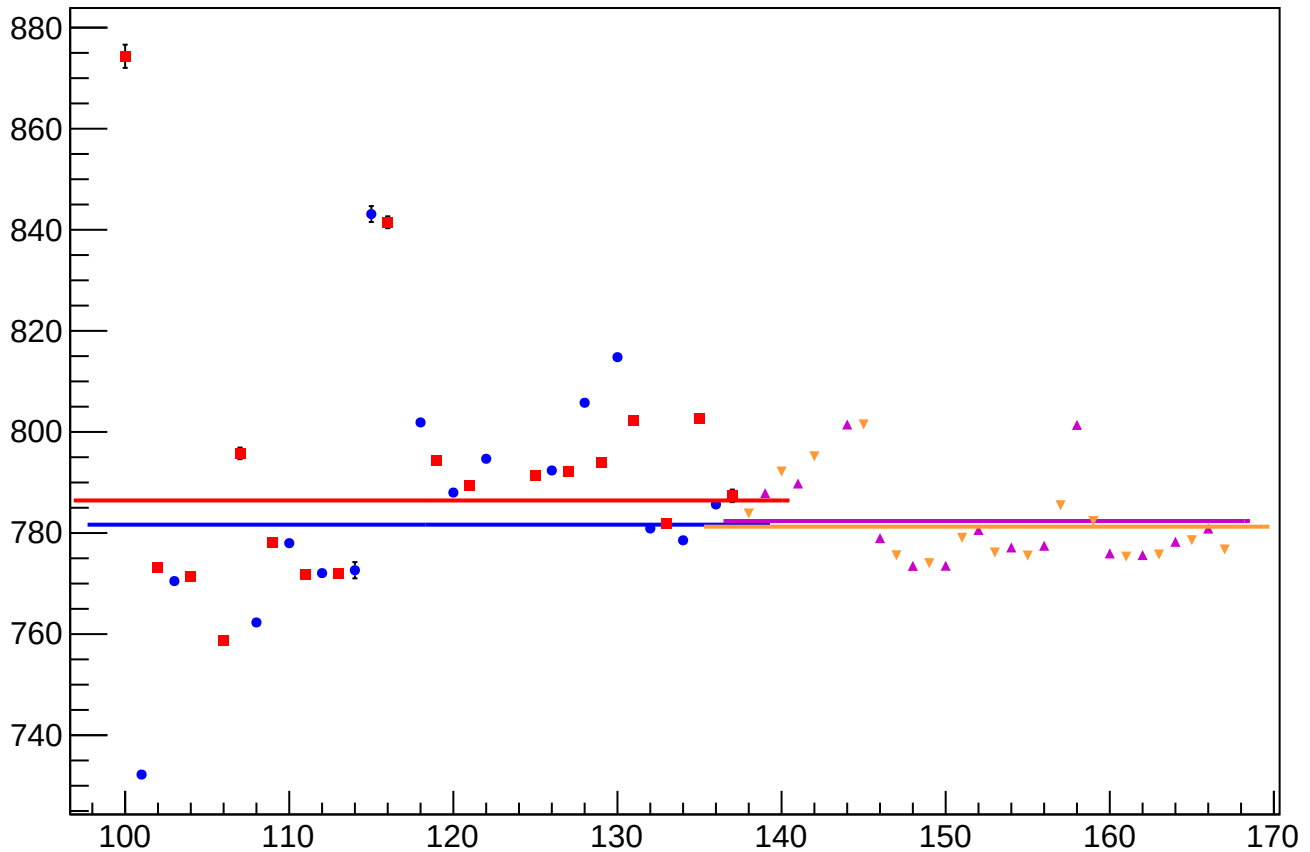
Left In: -1877.723 $\pm$ 230.253 χ^2/NDF : 20.0/13

+ sign 2041.597 $\pm$ 178.963 χ^2/NDF : 20.4/30

All: 67.869 $\pm$ 127.008 χ^2/NDF : 297.5/62

- sign -1934.960 $\pm$ 180.277 χ^2/NDF : 32.1/31

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 781.260 $\pm$ 0.161 χ^2 /NDF: 2354.2/14

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

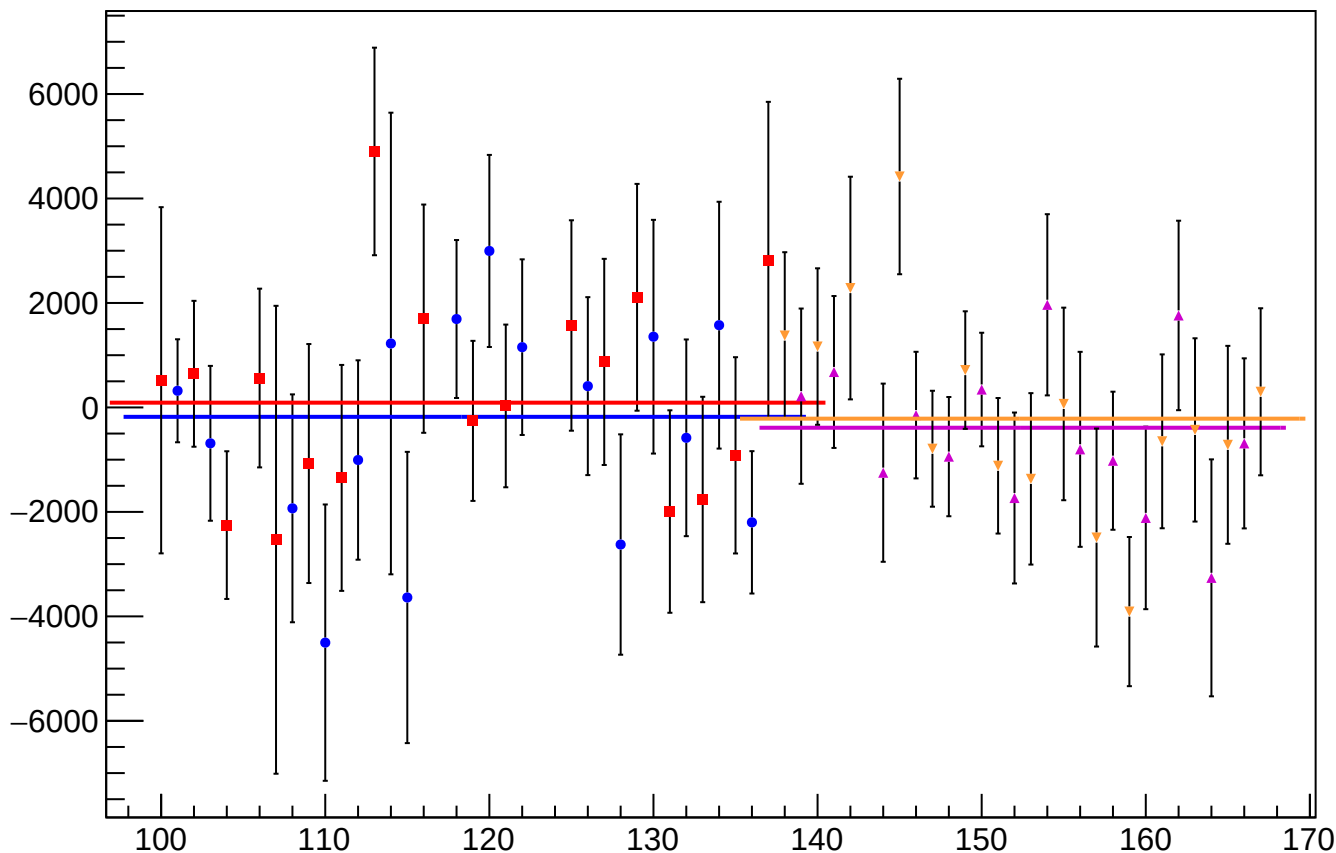
Left In: 782.380 $\pm$ 0.163 χ^2 /NDF: 3172.8/13

+ sign 781.409 $\pm$ 0.127 χ^2 /NDF: 14675.6/30

All: 782.672 $\pm$ 0.090 χ^2 /NDF: 25491.4/62

- sign 783.953 $\pm$ 0.127 χ^2 /NDF: 10615.3/31

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -214.767 ± 399.011 χ^2/NDF : 19.4/14

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

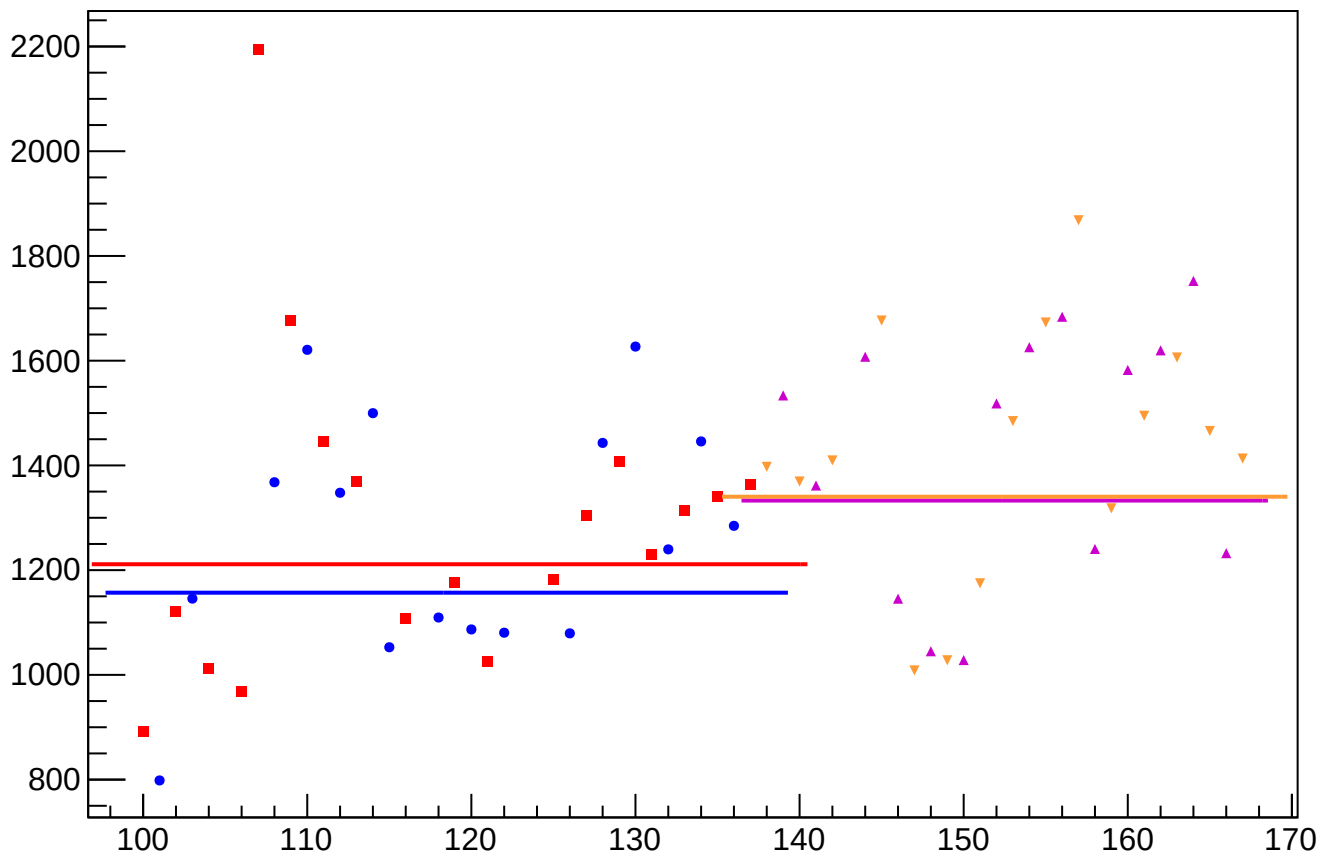
Left In: -388.762 ± 400.458 χ^2/NDF : 8.5/13

+ sign -199.076 ± 295.808 χ^2/NDF : 34.8/30

All: -189.257 ± 210.826 χ^2/NDF : 59.1/62

- sign -179.121 ± 300.556 χ^2/NDF : 24.3/31

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948 $\pm$ 0.312 χ^2 /NDF: 569/119.8/15

Left Out: 1340.249 $\pm$ 0.282 χ^2 /NDF: 720/598.0/14

Right Out: 1211.264 $\pm$ 0.322 χ^2 /NDF: 397/714.5/17

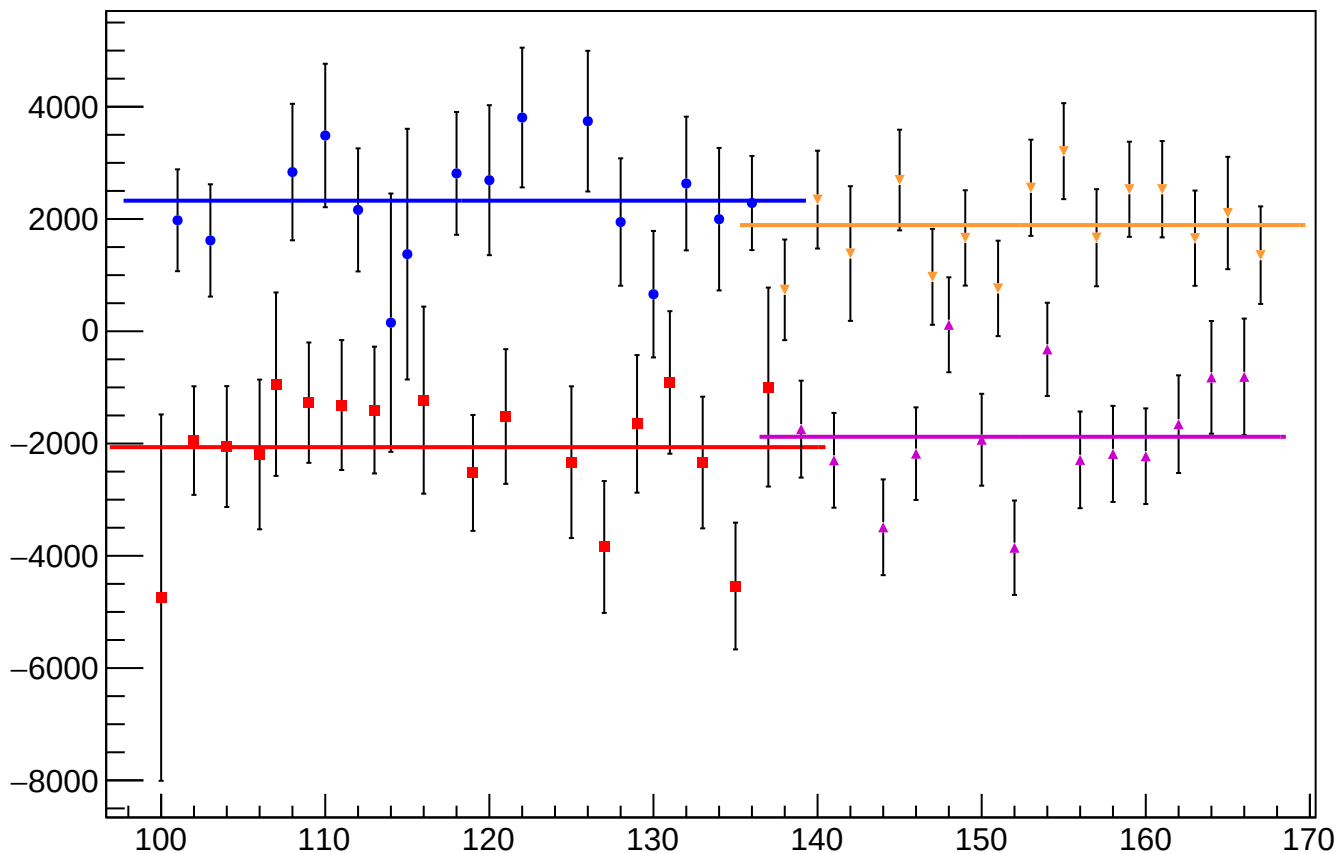
Left In: 1332.919 $\pm$ 0.283 χ^2 /NDF: 743/302.6/13

+ sign 1257.691 $\pm$ 0.209 χ^2 /NDF: 1479/817.4/30

All: 1268.565 $\pm$ 0.149 χ^2 /NDF: 2706/932.6/62

- sign 1279.791 $\pm$ 0.213 χ^2 /NDF: 1221/622.2/31

dit_asym_us_avg_mean vs Slug



Right In: 2326.430 $\pm$ 292.176 χ^2 /NDF: 8.1/15

Left Out: 1892.302 $\pm$ 228.376 χ^2 /NDF:10.6/14

Right Out: -2063.976 $\pm$ 291.790 χ^2 /NDF: 11.6/17

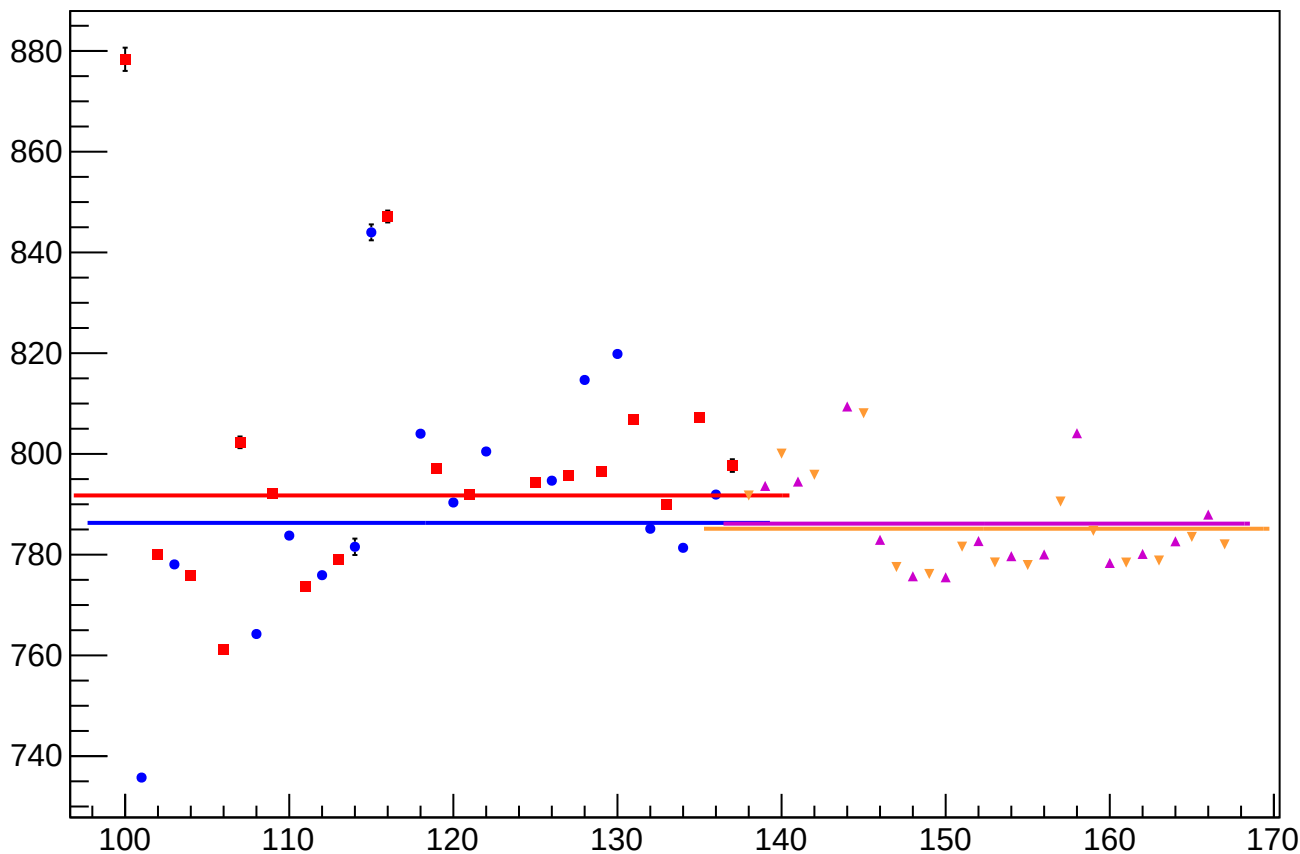
Left In: -1879.521 $\pm$ 231.377 χ^2 /NDF:21.3/13

+ sign 2056.946 $\pm$ 179.932 χ^2 /NDF: 20.1/30

All: 68.250 $\pm$ 127.711 χ^2 /NDF: 299.5/62

- sign -1950.729 $\pm$ 181.296 χ^2 /NDF: 33.2/31

dit_asym_us_avg_rms vs Slug



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

Left Out: 785.146 ± 0.161 χ^2/NDF : 3185.1/14

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

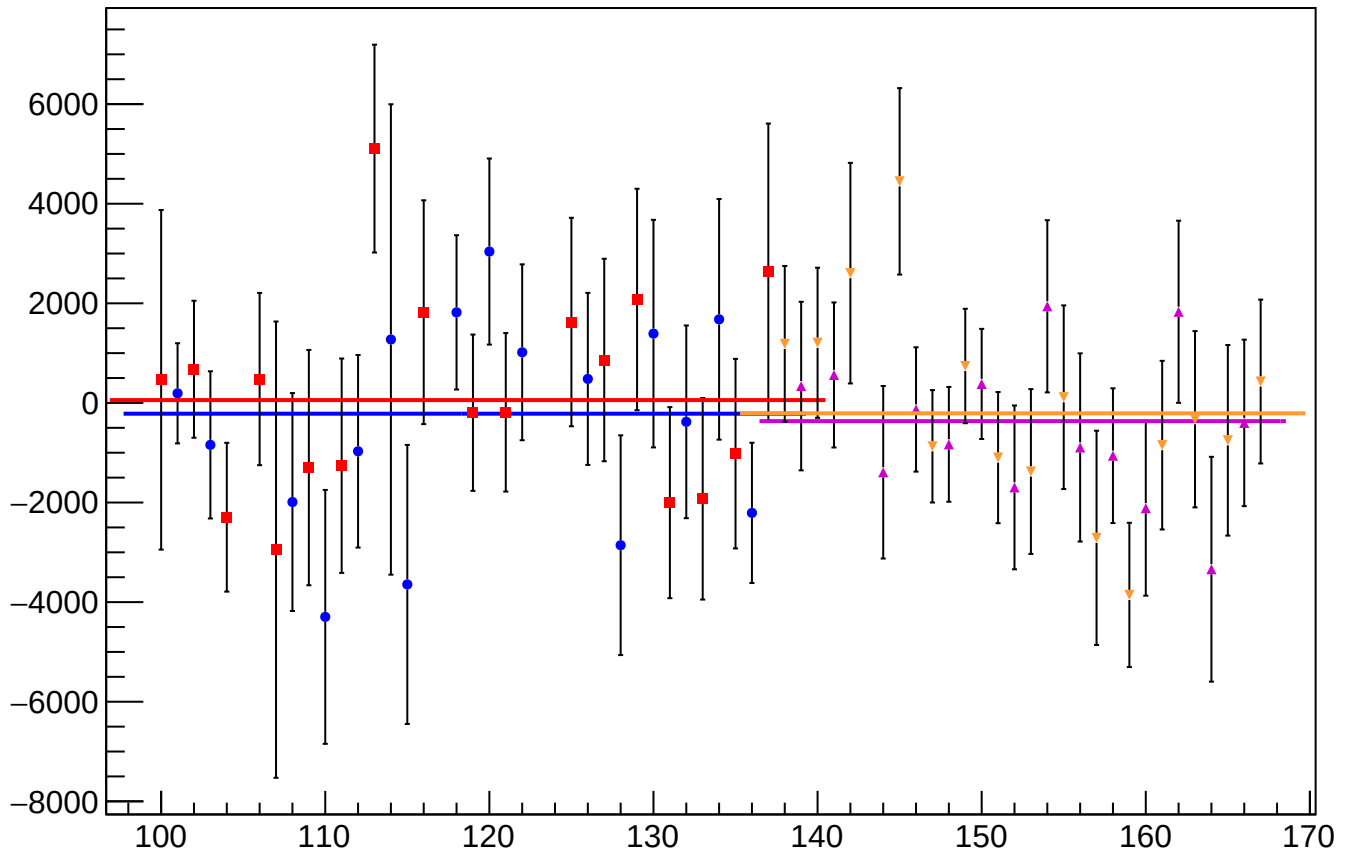
Left In: 786.160 ± 0.164 χ^2/NDF : 3935.9/13

+ sign 785.587 ± 0.127 χ^2/NDF : 15775.9/30

All: 786.944 ± 0.090 χ^2/NDF : 27407.5/62

- sign 788.320 ± 0.128 χ^2/NDF : 11402.7/31

asym_us_avg_dit_correction_mean vs Slug



Right In: -216.184 ± 449.537 $\chi^2/\text{NDF}: 15.3/15$

Left Out: -208.742 ± 404.238 $\chi^2/\text{NDF}: 19.6/14$

Right Out: 56.784 ± 463.978 $\chi^2/\text{NDF}: 15.1/17$

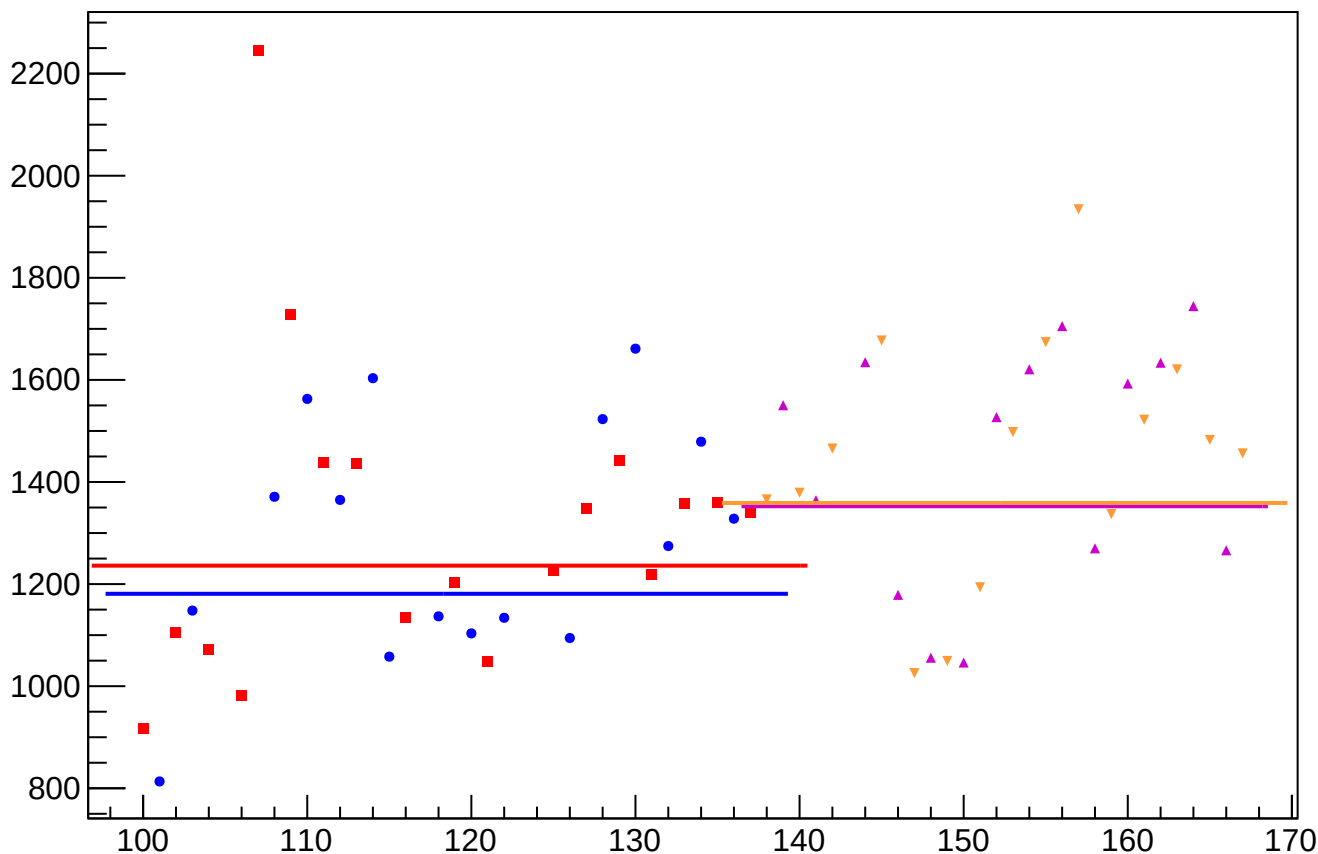
Left In: -365.973 ± 405.748 $\chi^2/\text{NDF}: 8.5/13$

+ sign -212.069 ± 300.582 $\chi^2/\text{NDF}: 34.8/30$

All: -197.655 ± 214.238 $\chi^2/\text{NDF}: 59.0/62$

- sign -182.773 ± 305.433 $\chi^2/\text{NDF}: 24.1/31$

asym_us_avg_dit_correction_rms vs Slug



Right In: 1180.998 $\pm$ 0.318 χ^2 /NDF: 571107.8/15

Left Out: 1358.938 $\pm$ 0.286 χ^2 /NDF: 707511.5/14

Right Out: 1236.134 $\pm$ 0.328 χ^2 /NDF: 397242.2/17

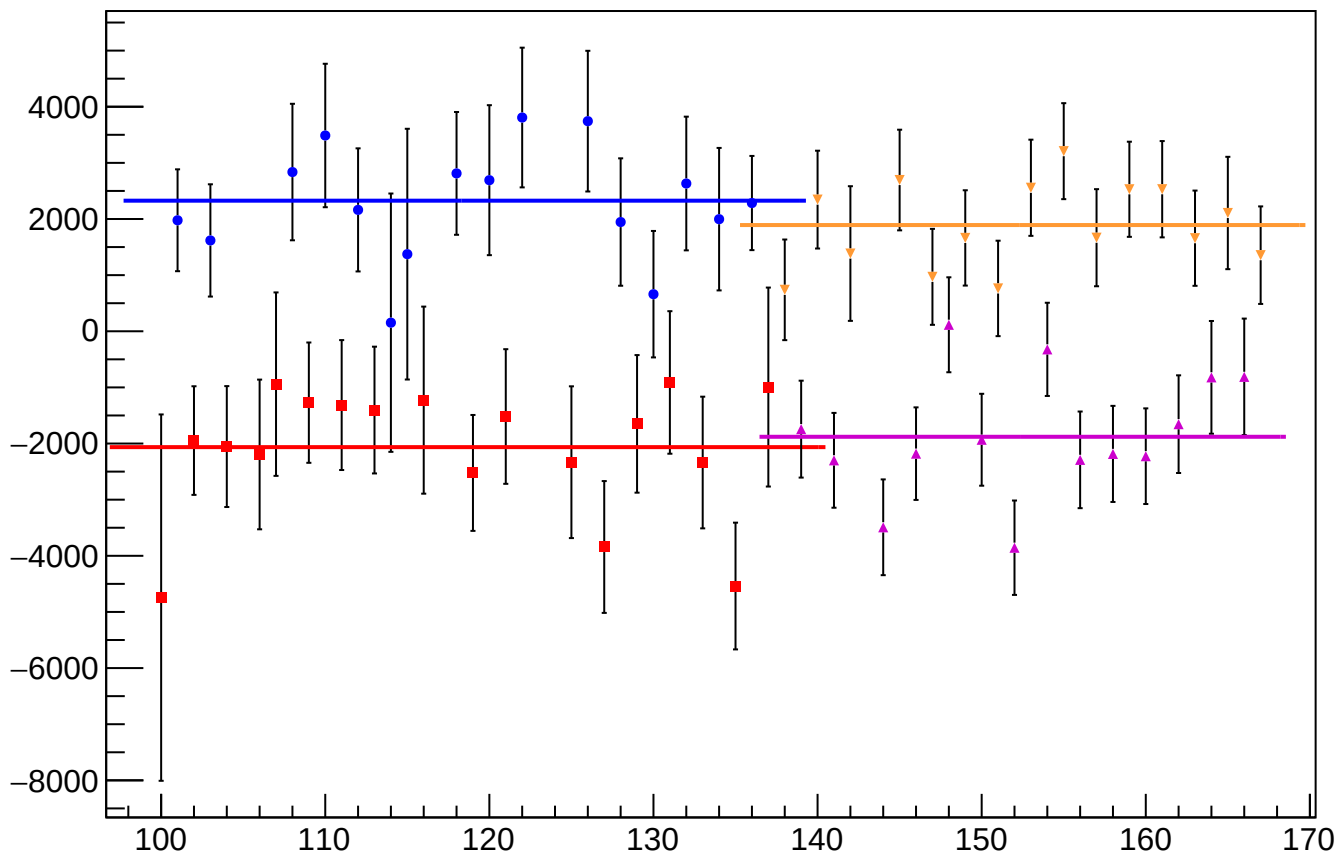
Left In: 1352.501 $\pm$ 0.287 χ^2 /NDF: 703398.1/13

+ sign 1279.382 $\pm$ 0.213 χ^2 /NDF: 1451880.3/30

All: 1290.546 $\pm$ 0.151 χ^2 /NDF: 2629414.9/62

- sign 1302.074 $\pm$ 0.216 χ^2 /NDF: 1171927.0/31

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1892.298 $\pm$ 228.376 χ^2/NDF : 10.6/14

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

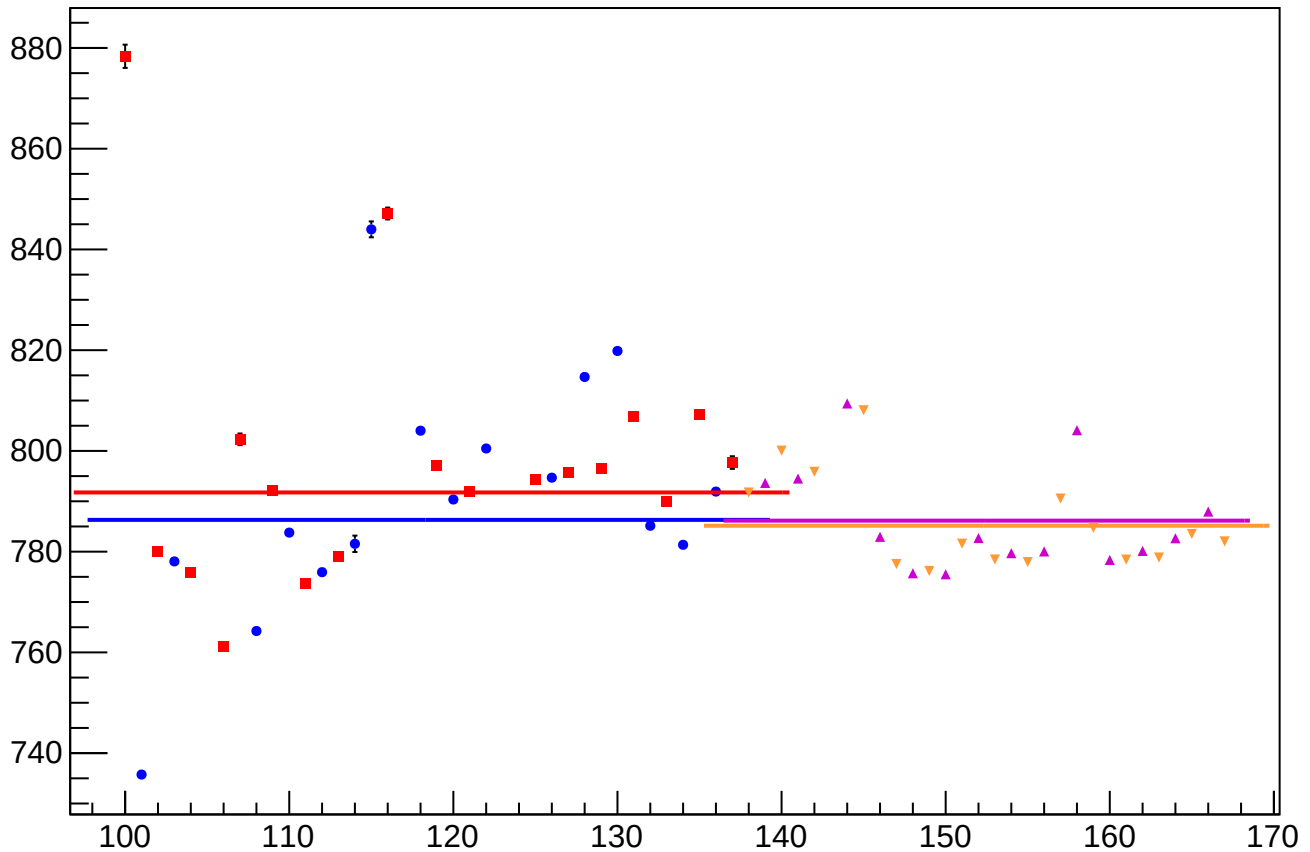
Left In: -1879.522 $\pm$ 231.377 χ^2/NDF : 21.3/13

+ sign 2056.943 $\pm$ 179.932 χ^2/NDF : 20.1/30

All: 68.248 $\pm$ 127.711 χ^2/NDF : 299.5/62

- sign -1950.729 $\pm$ 181.296 χ^2/NDF : 33.2/31

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 785.146 $\pm$ 0.161 χ^2 /NDF: 3185.1/14

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

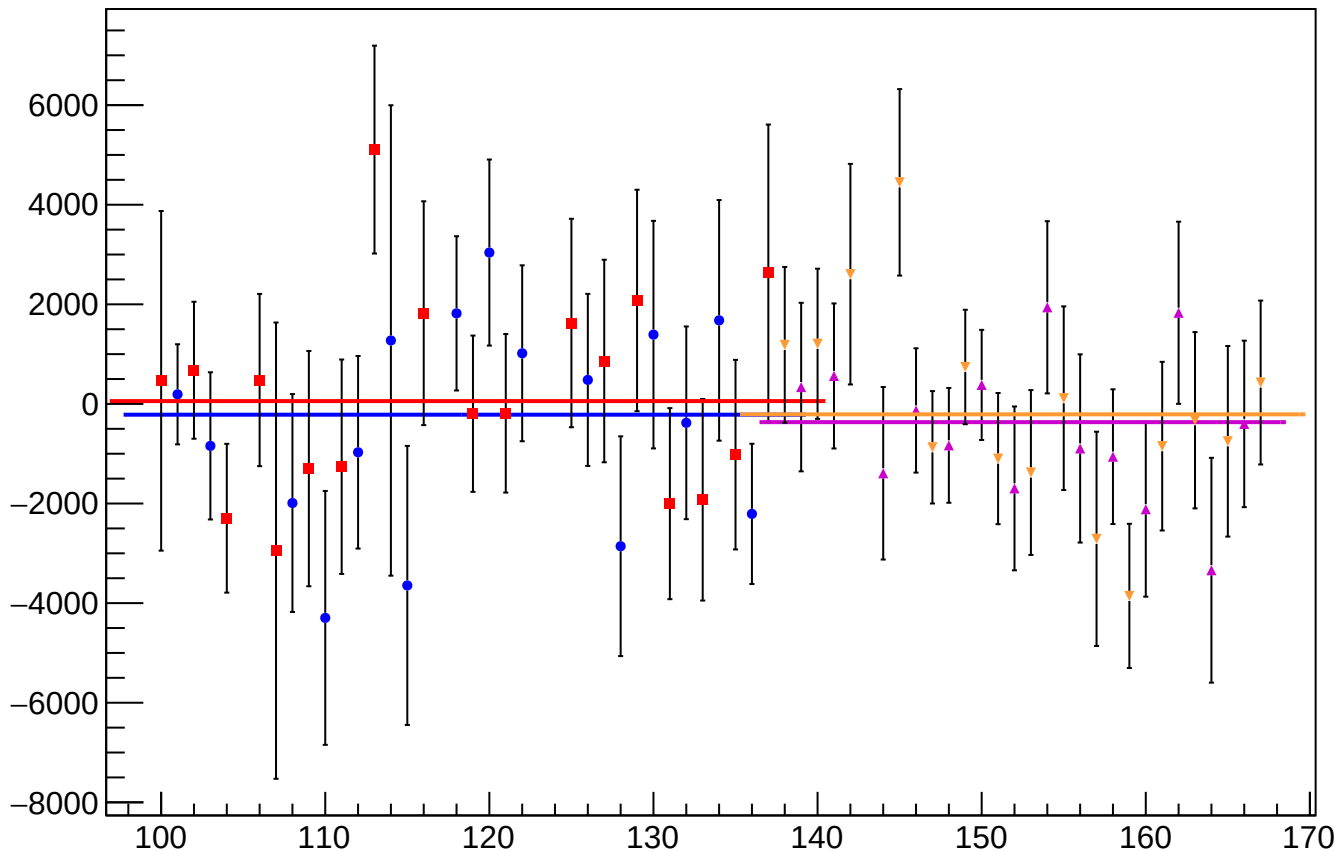
Left In: 786.160 $\pm$ 0.164 χ^2 /NDF: 3935.9/13

+ sign 785.587 $\pm$ 0.127 χ^2 /NDF: 15775.8/30

All: 786.943 $\pm$ 0.090 χ^2 /NDF: 27407.4/62

- sign 788.320 $\pm$ 0.128 χ^2 /NDF: 11402.7/31

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -216.183 ± 449.536 $\chi^2/\text{NDF}: 15.3/15$

Left Out: -208.746 ± 404.239 $\chi^2/\text{NDF}: 19.6/14$

Right Out: 56.784 ± 463.977 $\chi^2/\text{NDF}: 15.1/17$

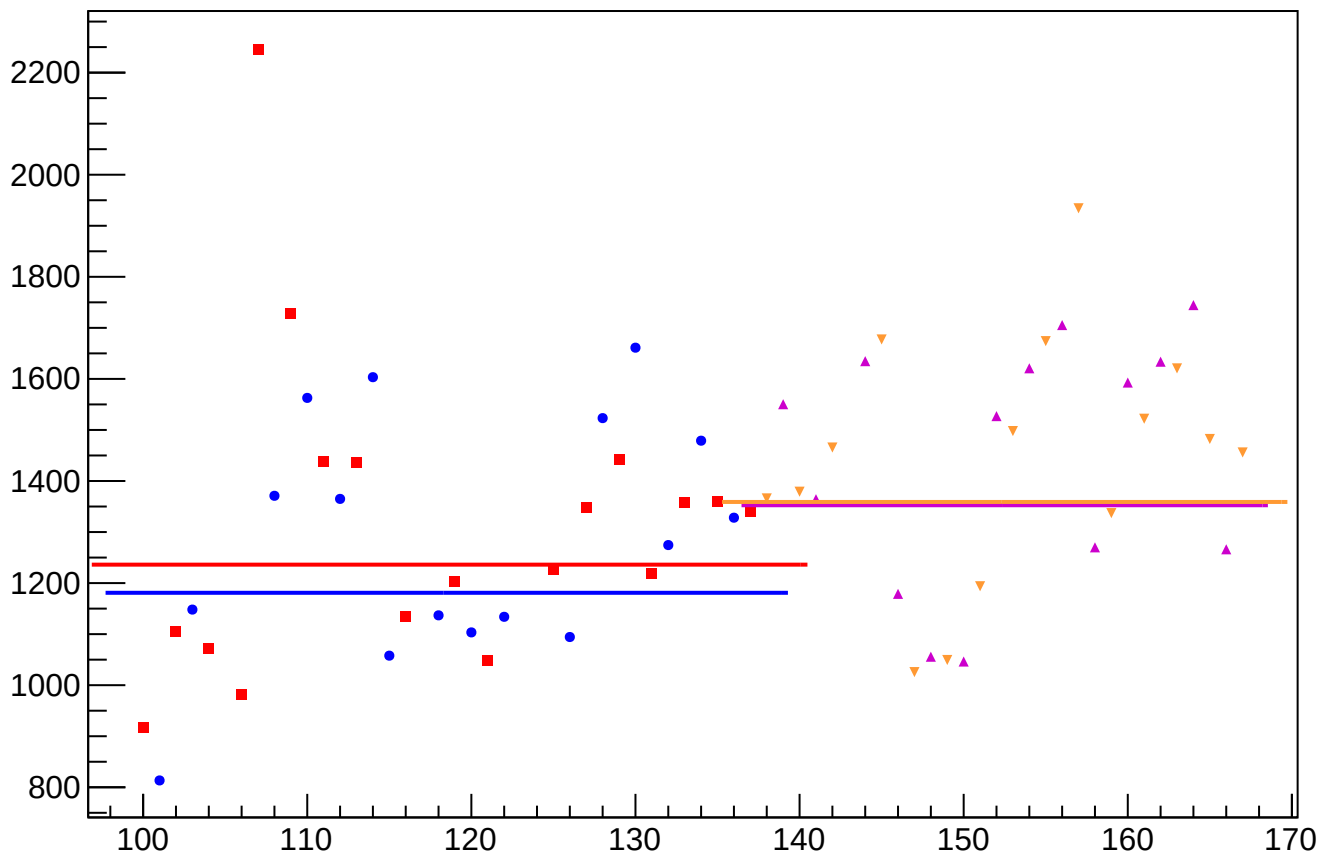
Left In: -365.974 ± 405.749 $\chi^2/\text{NDF}: 8.5/13$

+ sign -212.071 ± 300.582 $\chi^2/\text{NDF}: 34.8/30$

All: -197.656 ± 214.238 $\chi^2/\text{NDF}: 59.0/62$

- sign -182.773 ± 305.433 $\chi^2/\text{NDF}: 24.1/31$

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.995 $\pm$ 0.318 χ^2 /NDF: 571105.7/15

Left Out: 1358.941 $\pm$ 0.286 χ^2 /NDF: 707513.5/14

Right Out: 1236.131 $\pm$ 0.328 χ^2 /NDF: 397240.7/17

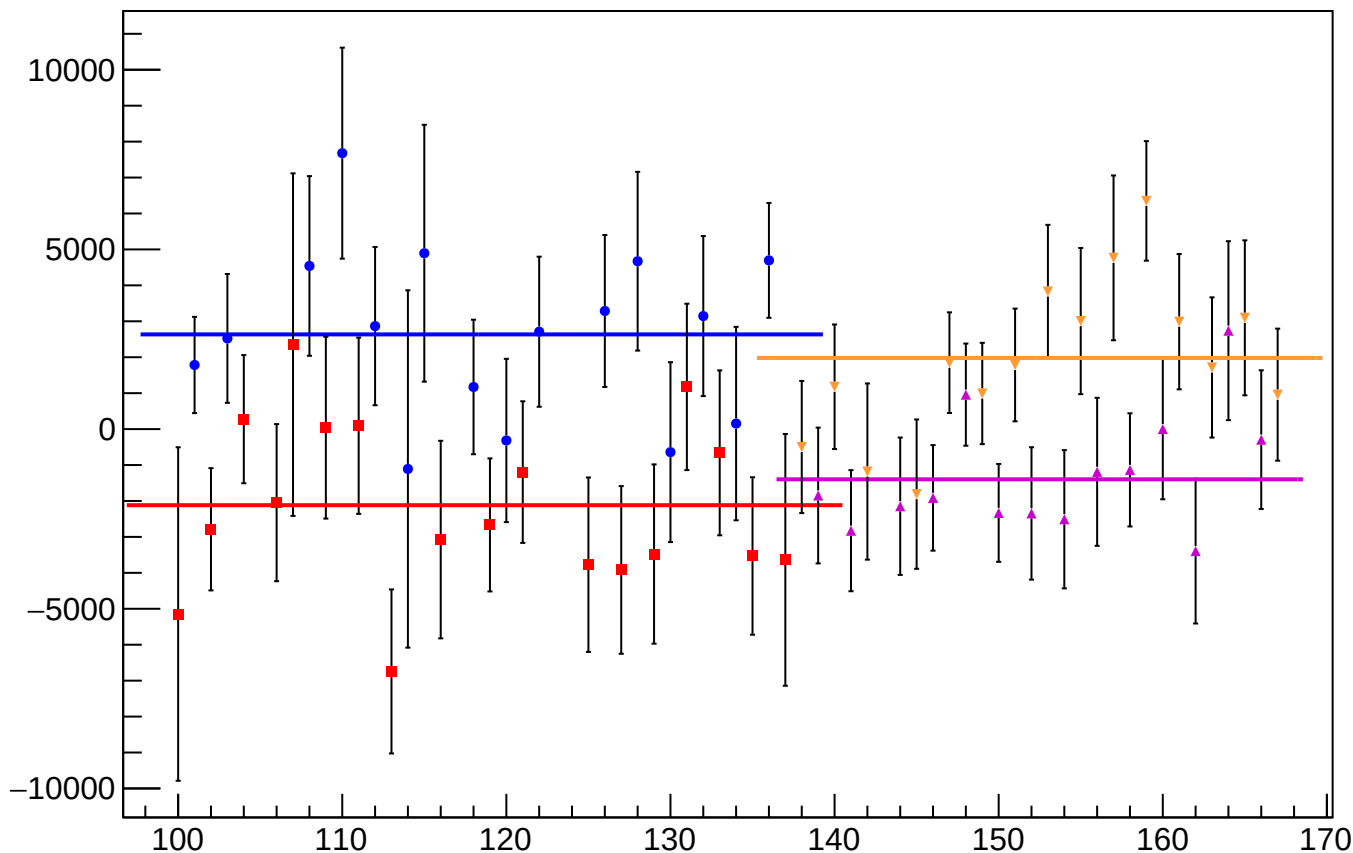
Left In: 1352.503 $\pm$ 0.287 χ^2 /NDF: 703399.2/13

+ sign 1279.382 $\pm$ 0.213 χ^2 /NDF: 1451891.1/30

All: 1290.546 $\pm$ 0.151 χ^2 /NDF: 2629432.6/62

- sign 1302.073 $\pm$ 0.216 χ^2 /NDF: 1171933.9/31

asym_us_avg_mean vs Slug



Right In: 2635.397 $\pm$ 538.034 χ^2 /NDF: 12.3/15

Left Out: 1979.844 $\pm$ 466.978 χ^2 /NDF: 18.0/14

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

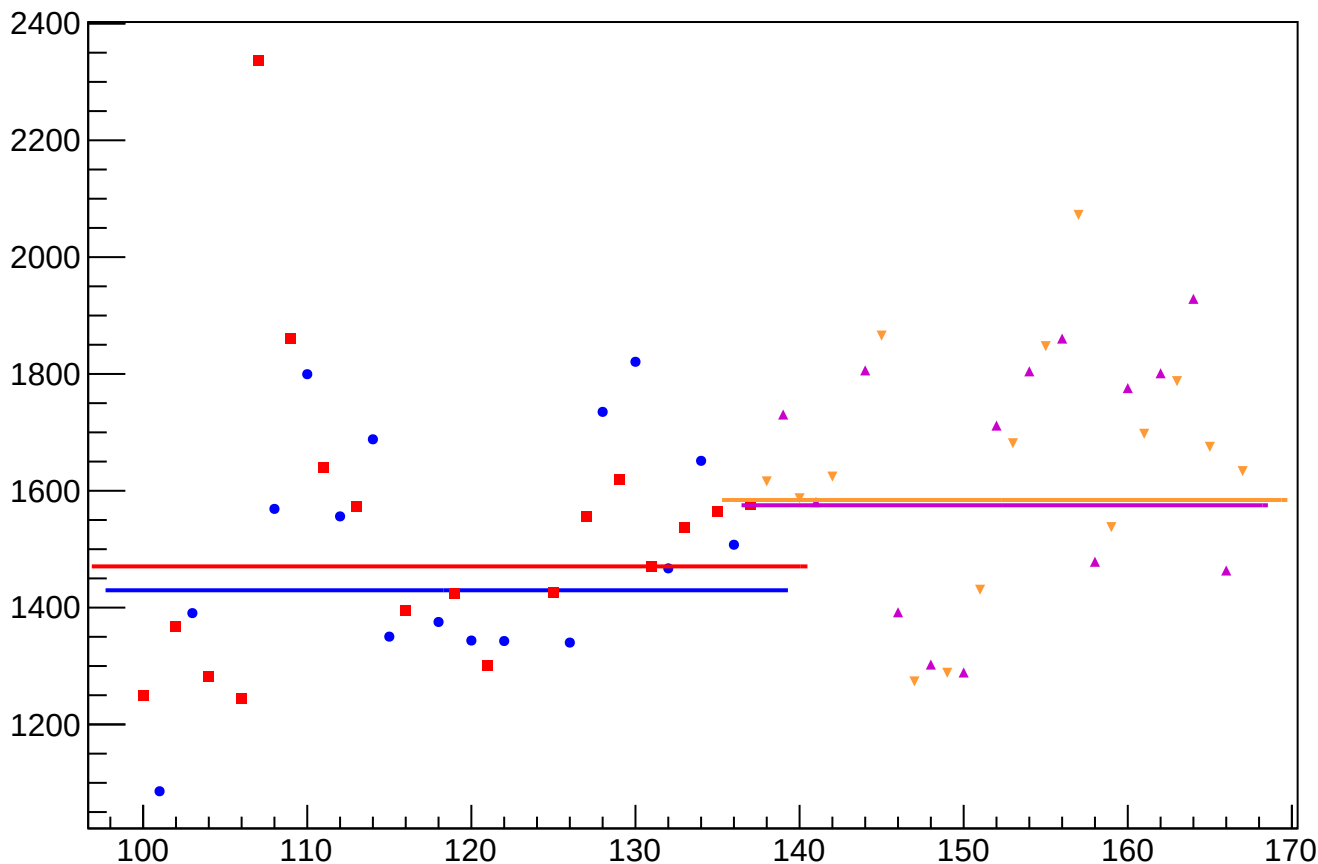
Left In: -1397.277 $\pm$ 469.002 χ^2 /NDF: 9.5/13

+ sign 2261.502 $\pm$ 352.669 χ^2 /NDF: 31.1/30

All: 299.394 $\pm$ 250.607 χ^2 /NDF: 117.9/62

- sign -1701.968 $\pm$ 356.179 χ^2 /NDF: 24.2/31

asym_us_avg_rms vs Slug



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

Left Out: 1584.239+/-0.330 χ^2/NDF : 408589.9/14

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

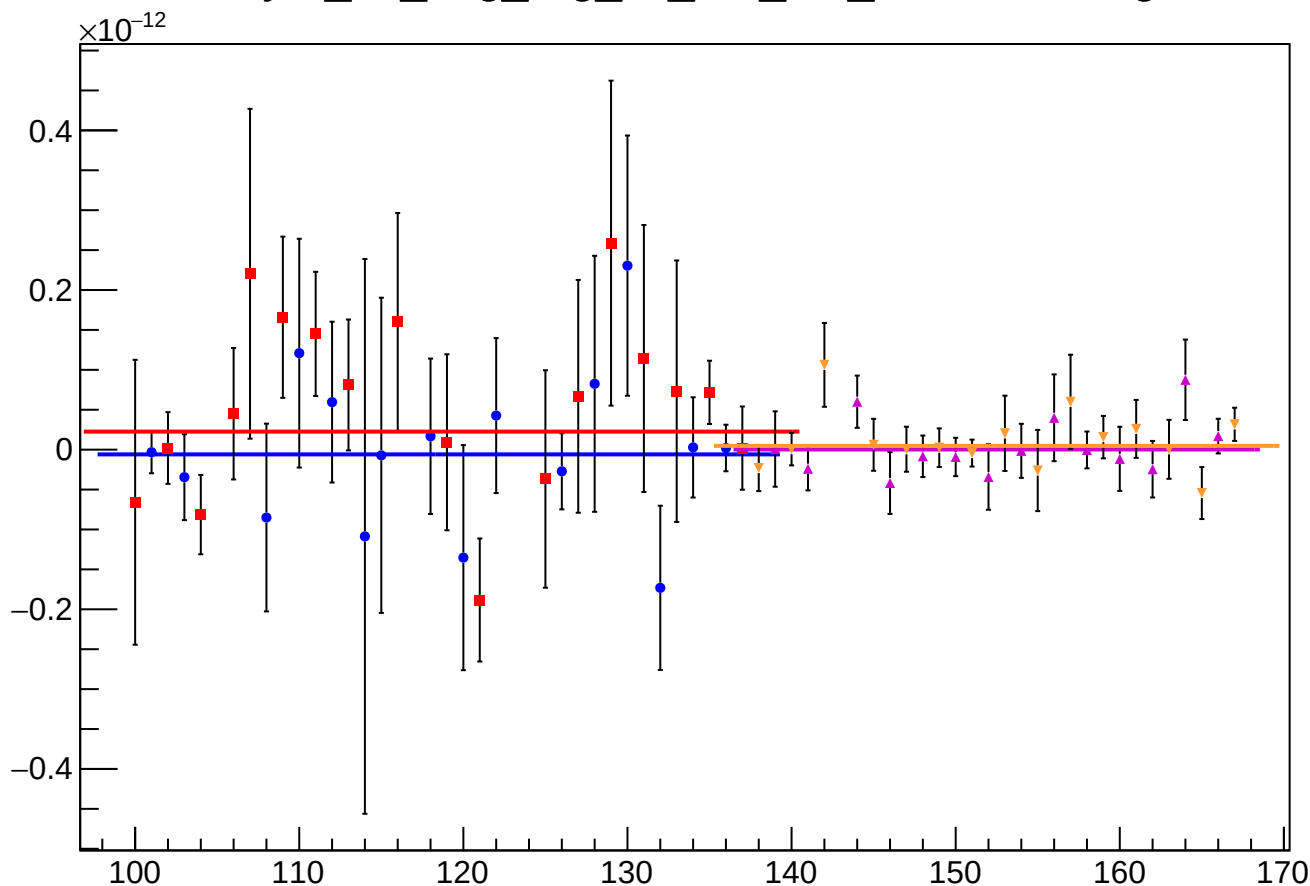
Left In: 1575.207+/-0.332 χ^2/NDF : 414411.2/13

+ sign 1517.822+/-0.249 χ^2/NDF : 796143.1/30

All: 1524.305+/-0.177 χ^2/NDF : 1472126.2/62

- sign 1530.917+/-0.252 χ^2/NDF : 674617.9/31

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11.9/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/17

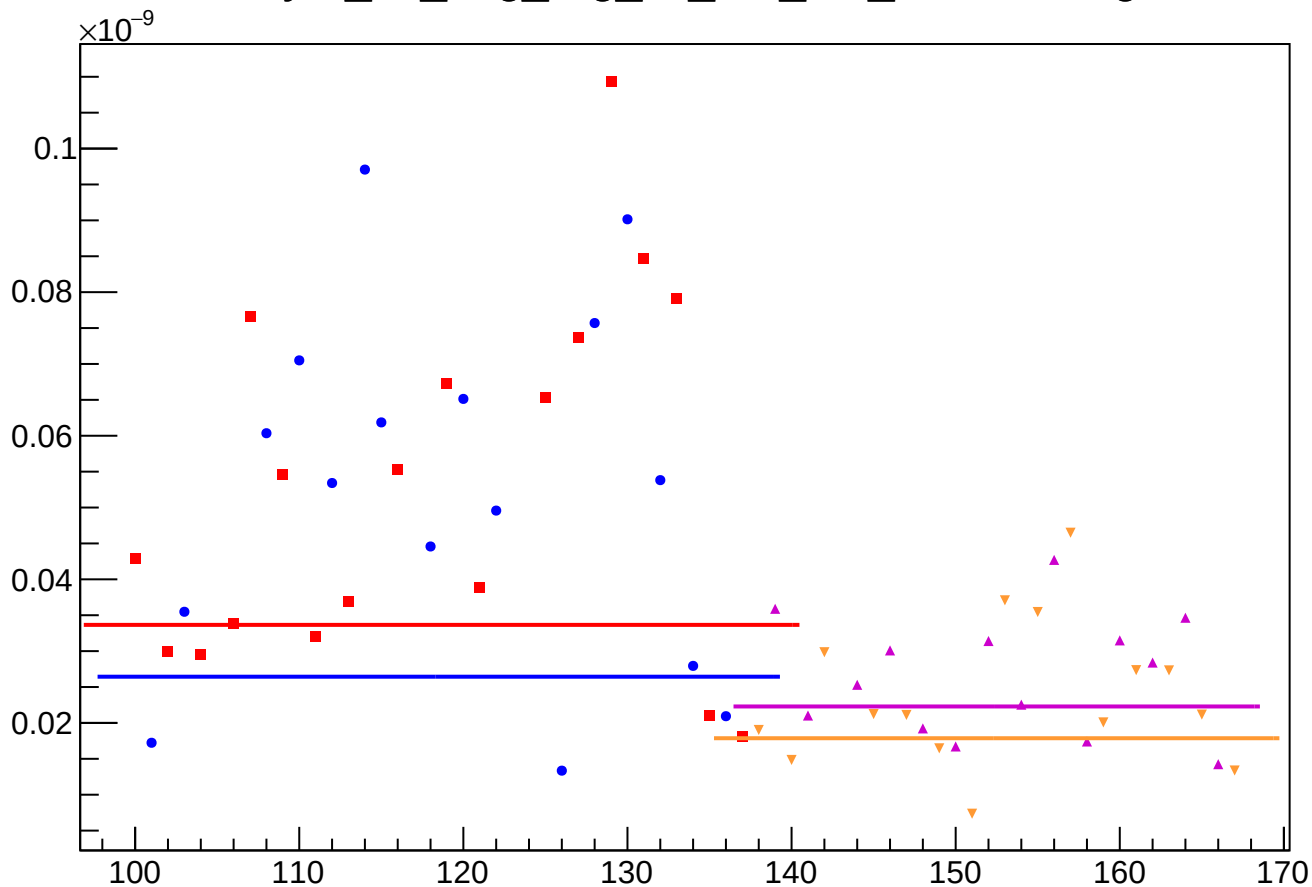
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.1/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/31

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 : 2418050.2/14

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

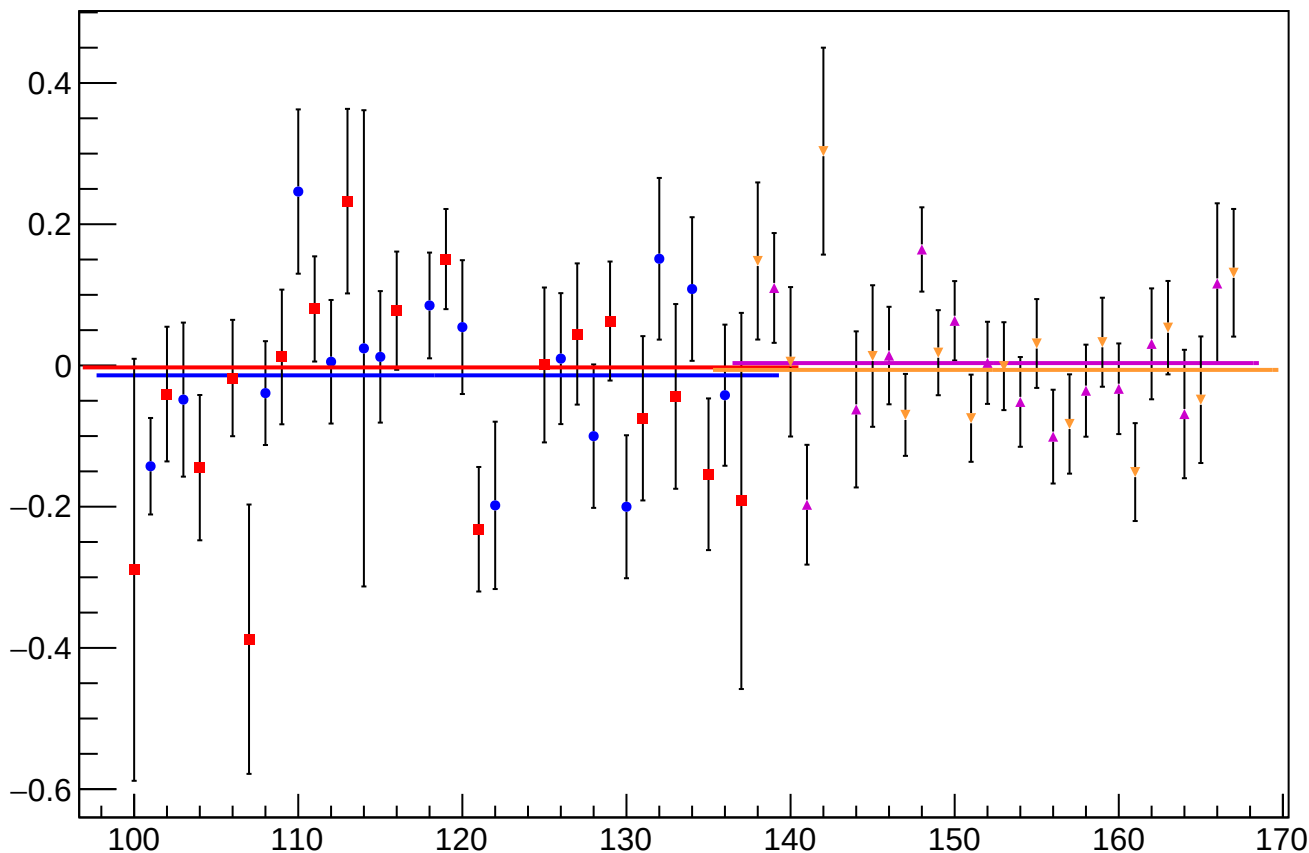
Left In: 0.000+/-0.000 χ^2/NDF : 1434013.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5073953.0/30

All: 0.000+/-0.000 χ^2/NDF : 9317629.4/62

- sign 0.000+/-0.000 χ^2/NDF : 3789674.9/31

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.006 ± 0.019 χ^2/NDF : 18.7/14

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

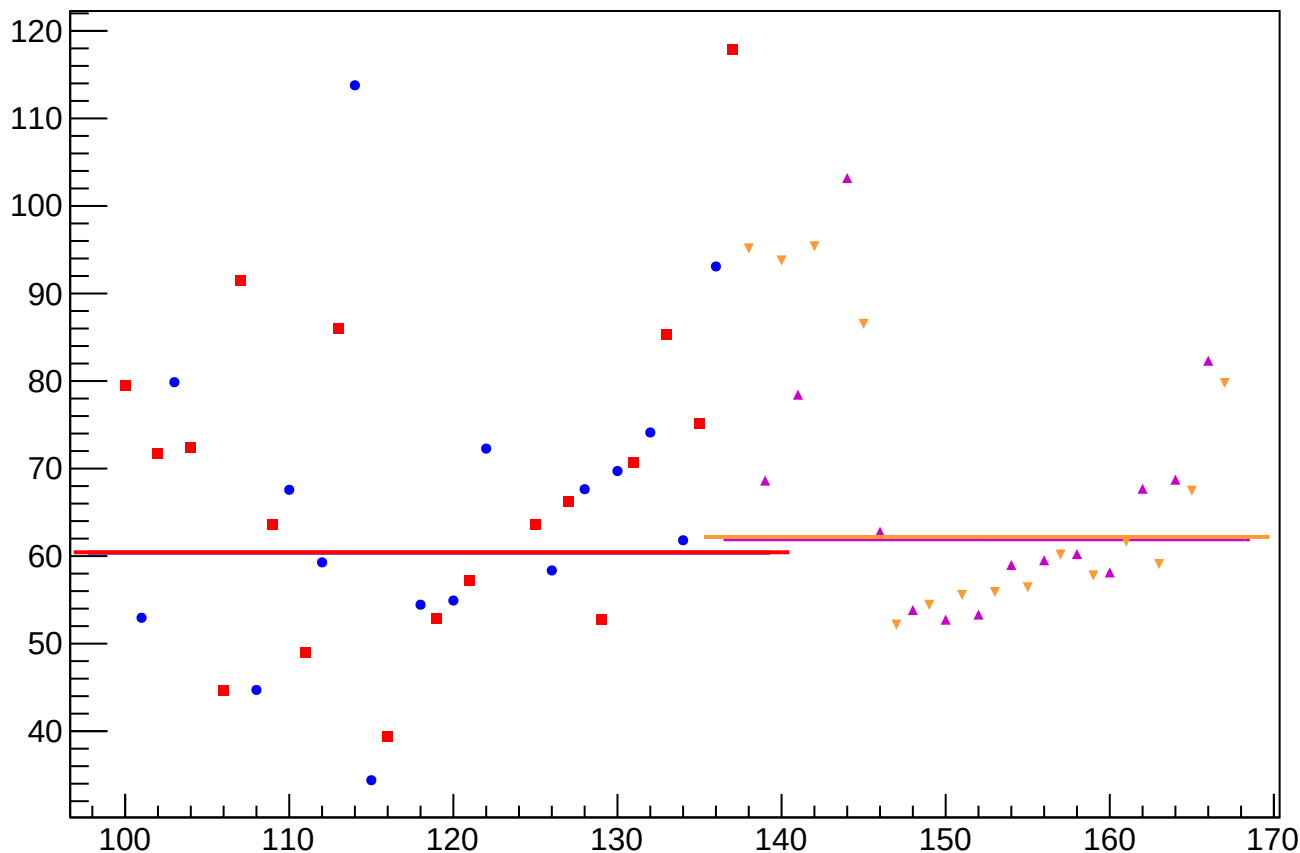
Left In: 0.003 ± 0.019 χ^2/NDF : 21.9/13

+ sign -0.009 ± 0.015 χ^2/NDF : 40.1/30

All: -0.004 ± 0.010 χ^2/NDF : 90.0/62

- sign 0.001 ± 0.015 χ^2/NDF : 49.7/31

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.189 $\pm$ 0.013 χ^2 /NDF: 825837.1/14

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

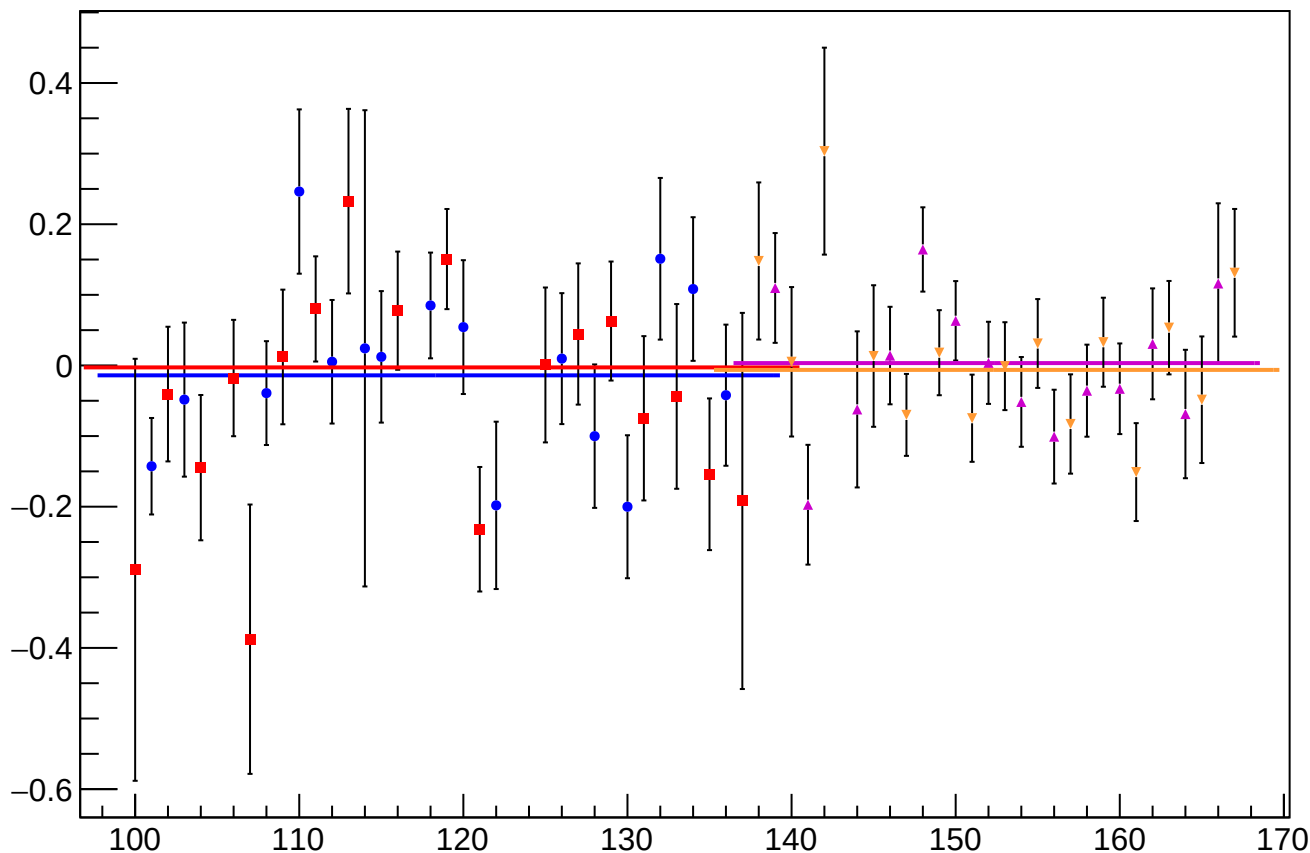
Left In: 61.926 $\pm$ 0.013 χ^2 /NDF: 605398.5/13

+ sign 61.499 $\pm$ 0.010 χ^2 /NDF: 1535906.8/30

All: 61.424 $\pm$ 0.007 χ^2 /NDF: 2857321.8/62

- sign 61.349 $\pm$ 0.010 χ^2 /NDF: 1321312.3/31

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.006 ± 0.019 χ^2/NDF : 18.7/14

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

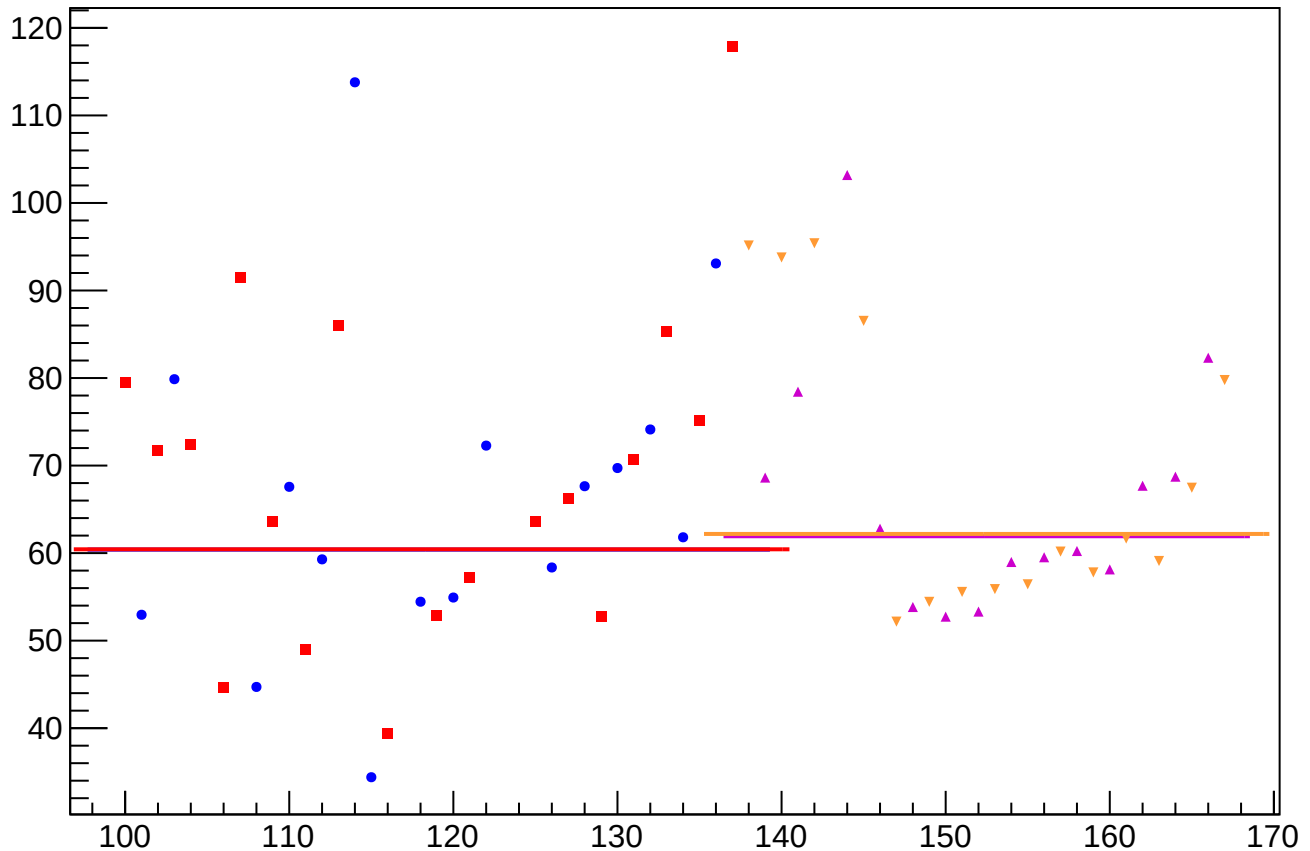
Left In: 0.003 ± 0.019 χ^2/NDF : 21.9/13

+ sign -0.009 ± 0.015 χ^2/NDF : 40.1/30

All: -0.004 ± 0.010 χ^2/NDF : 90.0/62

- sign 0.001 ± 0.015 χ^2/NDF : 49.7/31

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: 62.189+/-0.013 χ^2/NDF : 825837.1/14

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

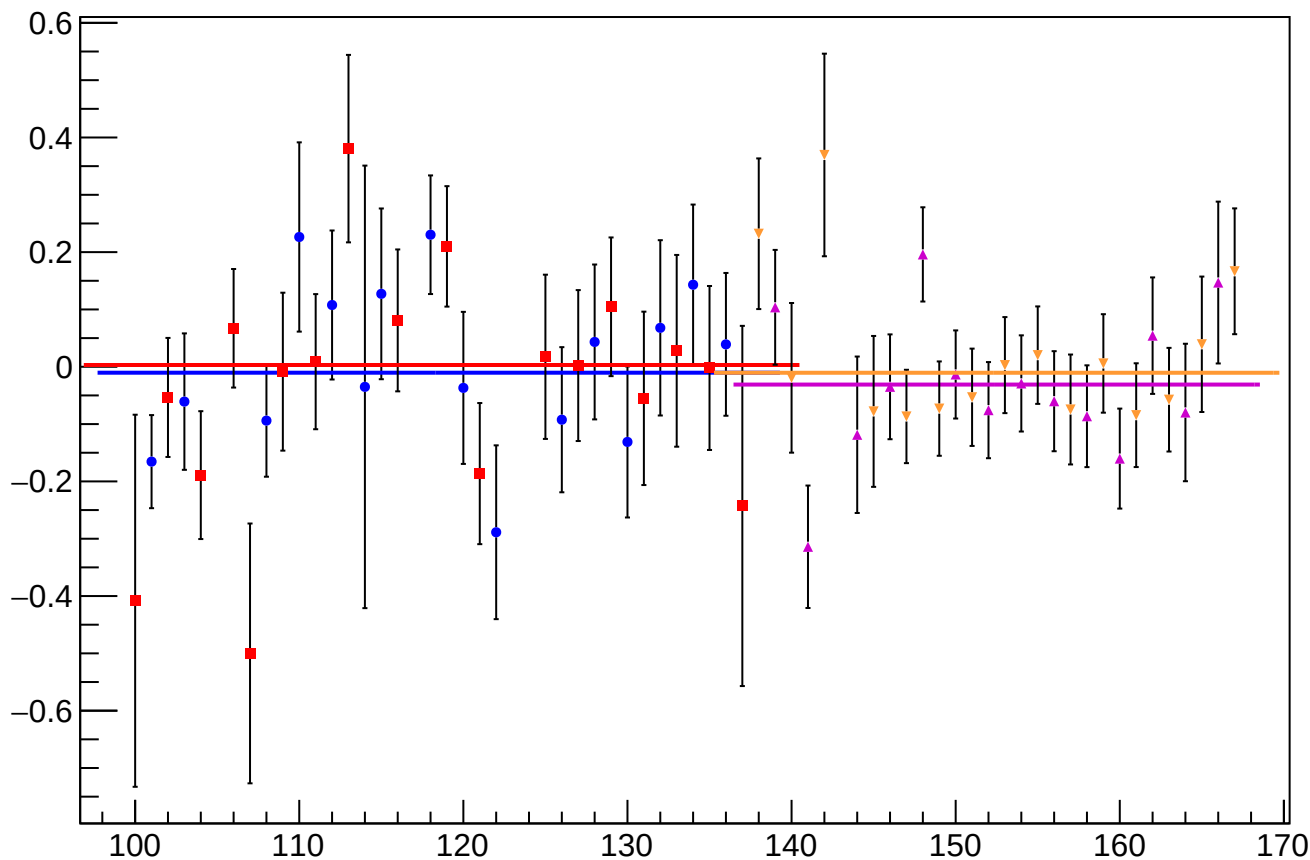
Left In: 61.926+/-0.013 χ^2/NDF : 605398.5/13

+ sign 61.499+/-0.010 χ^2/NDF : 1535906.8/30

All: 61.424+/-0.007 χ^2/NDF : 2857321.8/62

- sign 61.349+/-0.010 χ^2/NDF : 1321312.3/31

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010 ± 0.032 $\chi^2/\text{NDF}: 20.2/15$

Left Out: -0.010 ± 0.025 $\chi^2/\text{NDF}: 14.4/14$

Right Out: 0.003 ± 0.032 $\chi^2/\text{NDF}: 23.7/17$

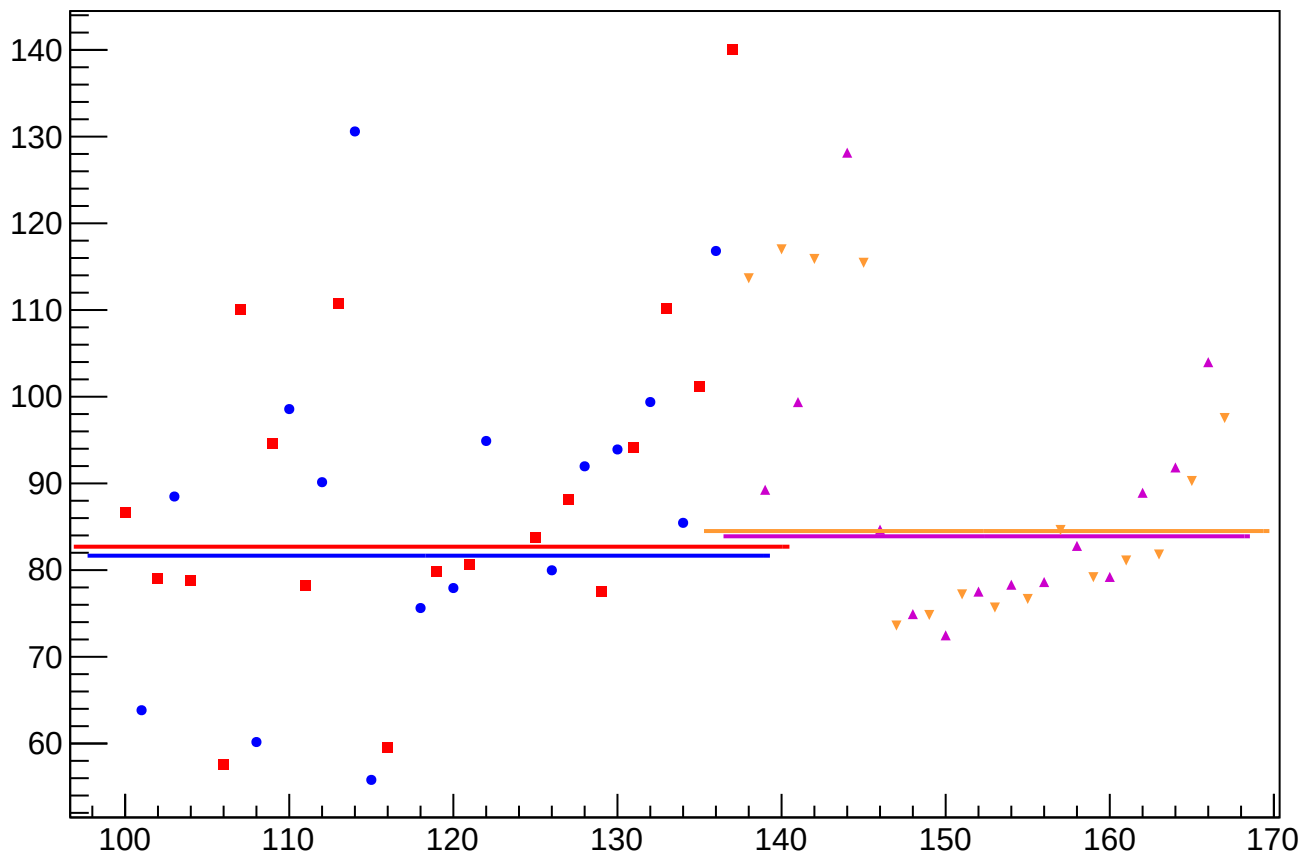
Left In: -0.031 ± 0.025 $\chi^2/\text{NDF}: 22.4/13$

+ sign -0.010 ± 0.020 $\chi^2/\text{NDF}: 34.5/30$

All: -0.014 ± 0.014 $\chi^2/\text{NDF}: 81.3/62$

- sign -0.018 ± 0.020 $\chi^2/\text{NDF}: 46.7/31$

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.664 $\pm$ 0.022 χ^2 /NDF: 561848.8/15

Left Out: 84.506 $\pm$ 0.018 χ^2 /NDF: 558610.3/14

Right Out: 82.701 $\pm$ 0.022 χ^2 /NDF: 473065.7/17

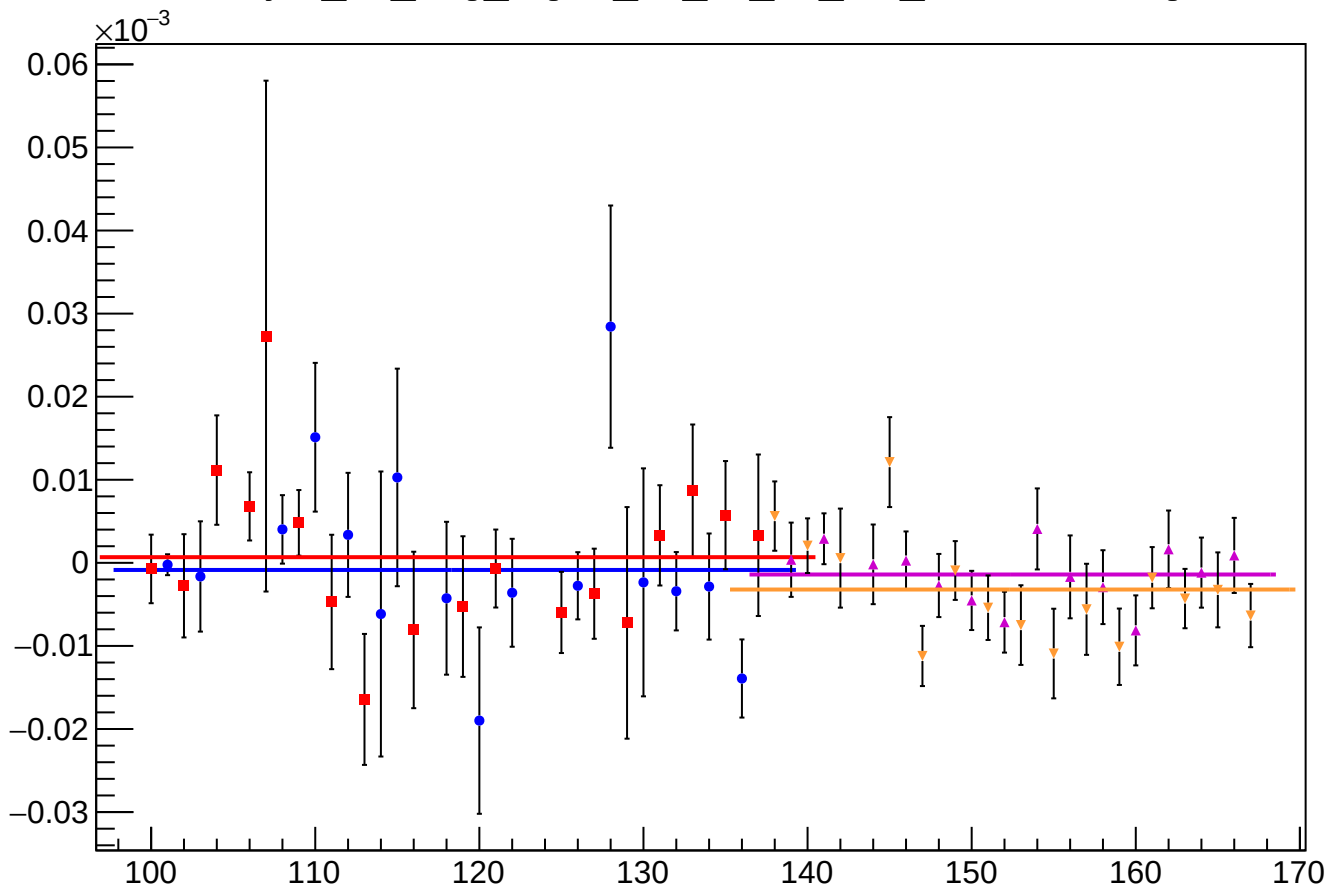
Left In: 83.899 $\pm$ 0.018 χ^2 /NDF: 414106.4/13

+ sign 83.398 $\pm$ 0.014 χ^2 /NDF: 1130326.9/30

All: 83.416 $\pm$ 0.010 χ^2 /NDF: 2019247.8/62

- sign 83.435 $\pm$ 0.014 χ^2 /NDF: 888917.4/31

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 : 27.3/14

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

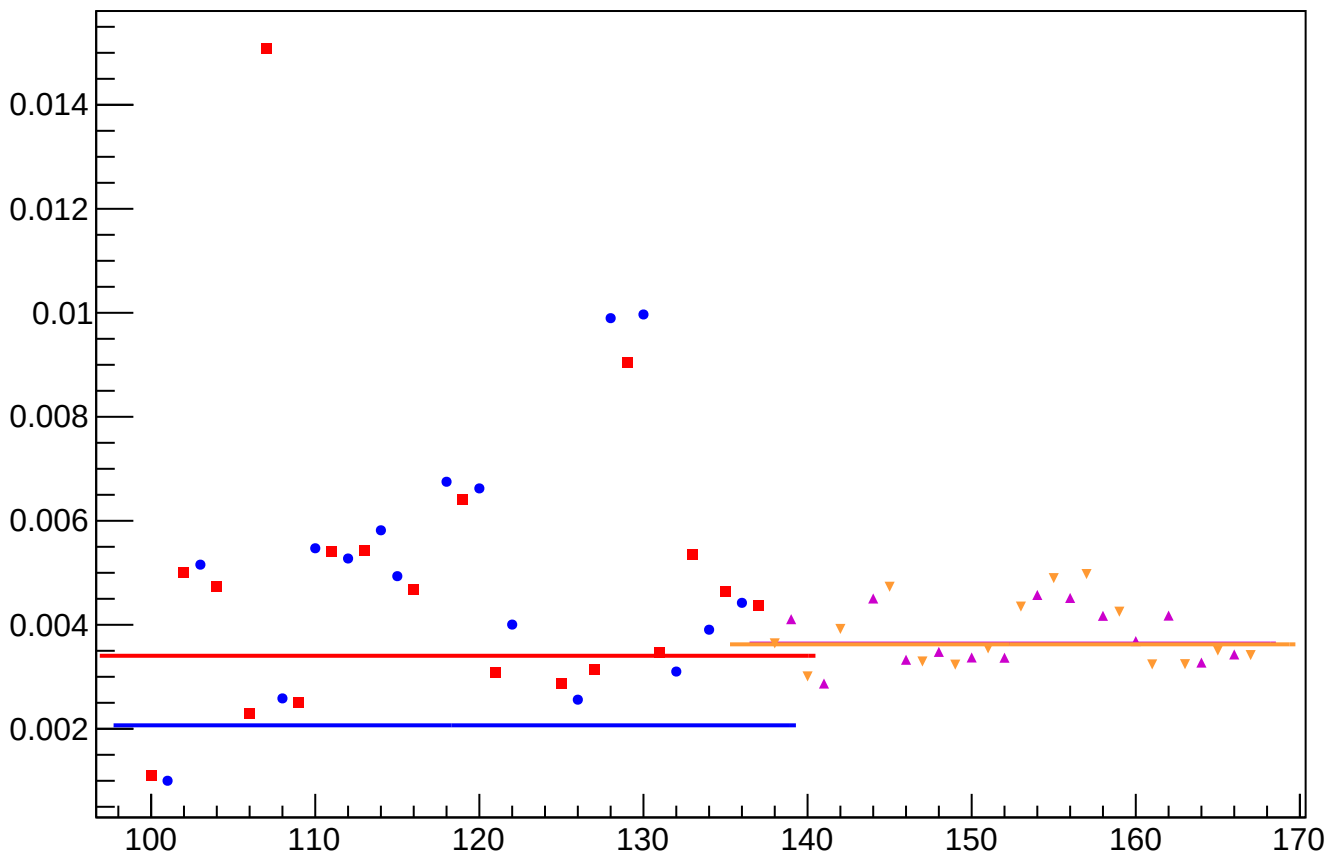
Left In: -0.000 ± 0.000 χ^2/NDF : 10.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 51.2/30

All: -0.000 ± 0.000 χ^2/NDF : 82.6/62

- sign -0.000 ± 0.000 χ^2/NDF : 30.1/31

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.004+/-0.000 χ^2/NDF :568972.0/14

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

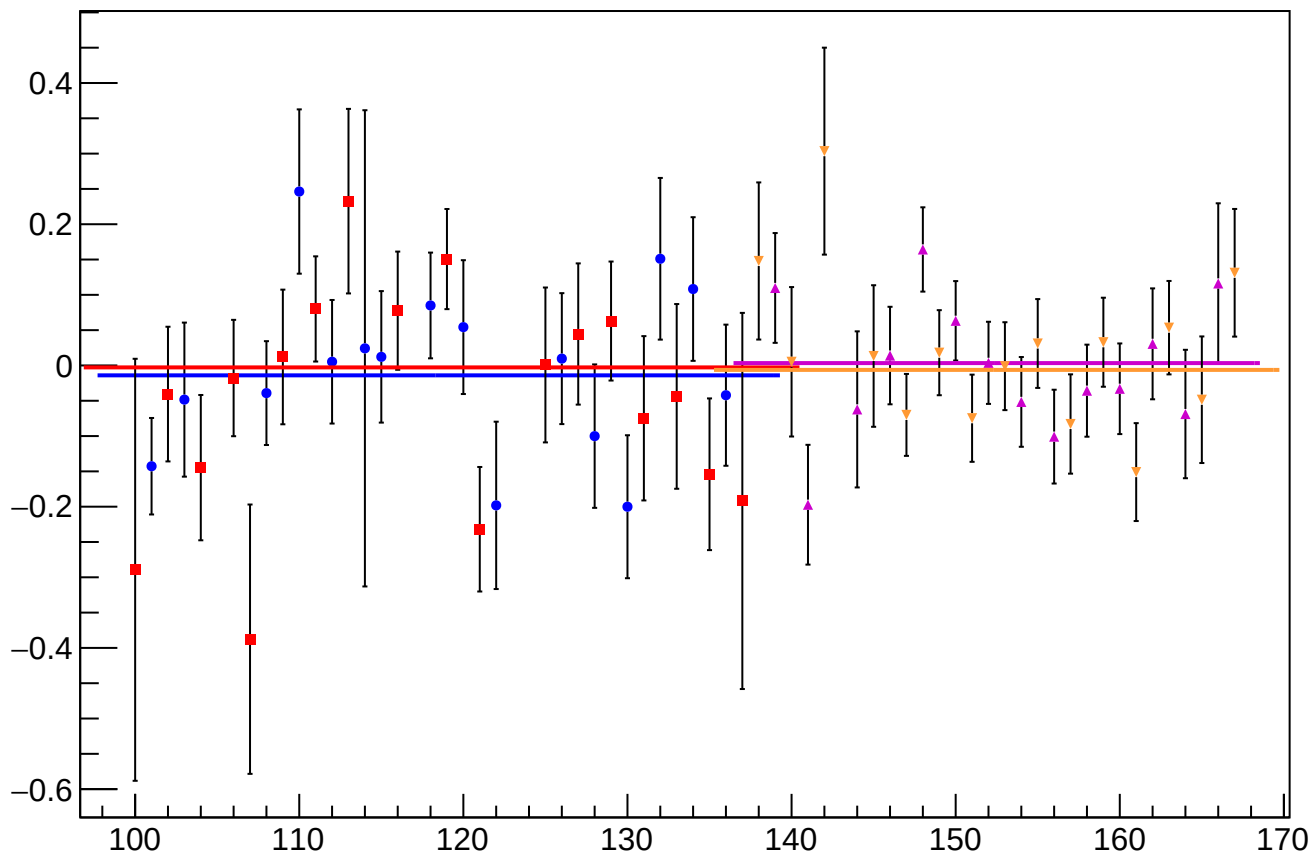
Left In: 0.004+/-0.000 χ^2/NDF :465422.1/13

+ sign 0.003+/-0.000 χ^2/NDF : 8612607.3/30

All: 0.003+/-0.000 χ^2/NDF : 12493795.9/62

- sign 0.004+/-0.000 χ^2/NDF : 2990932.2/31

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: -0.006 ± 0.019 χ^2/NDF : 18.7/14

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

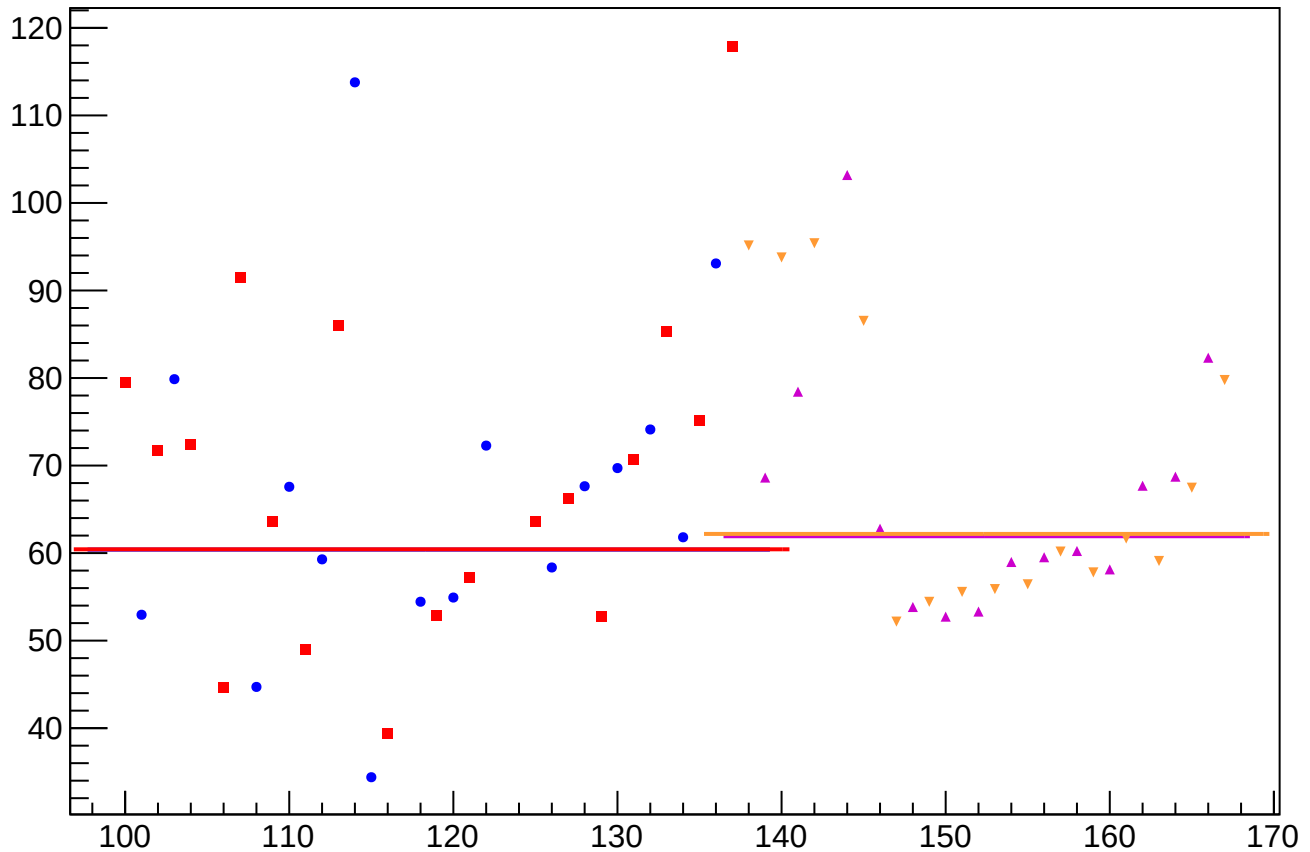
Left In: 0.003 ± 0.019 χ^2/NDF : 21.9/13

+ sign -0.009 ± 0.015 χ^2/NDF : 40.1/30

All: -0.004 ± 0.010 χ^2/NDF : 90.0/62

- sign 0.001 ± 0.015 χ^2/NDF : 49.7/31

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.189+/-0.013 χ^2/NDF : 825834.5/14

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

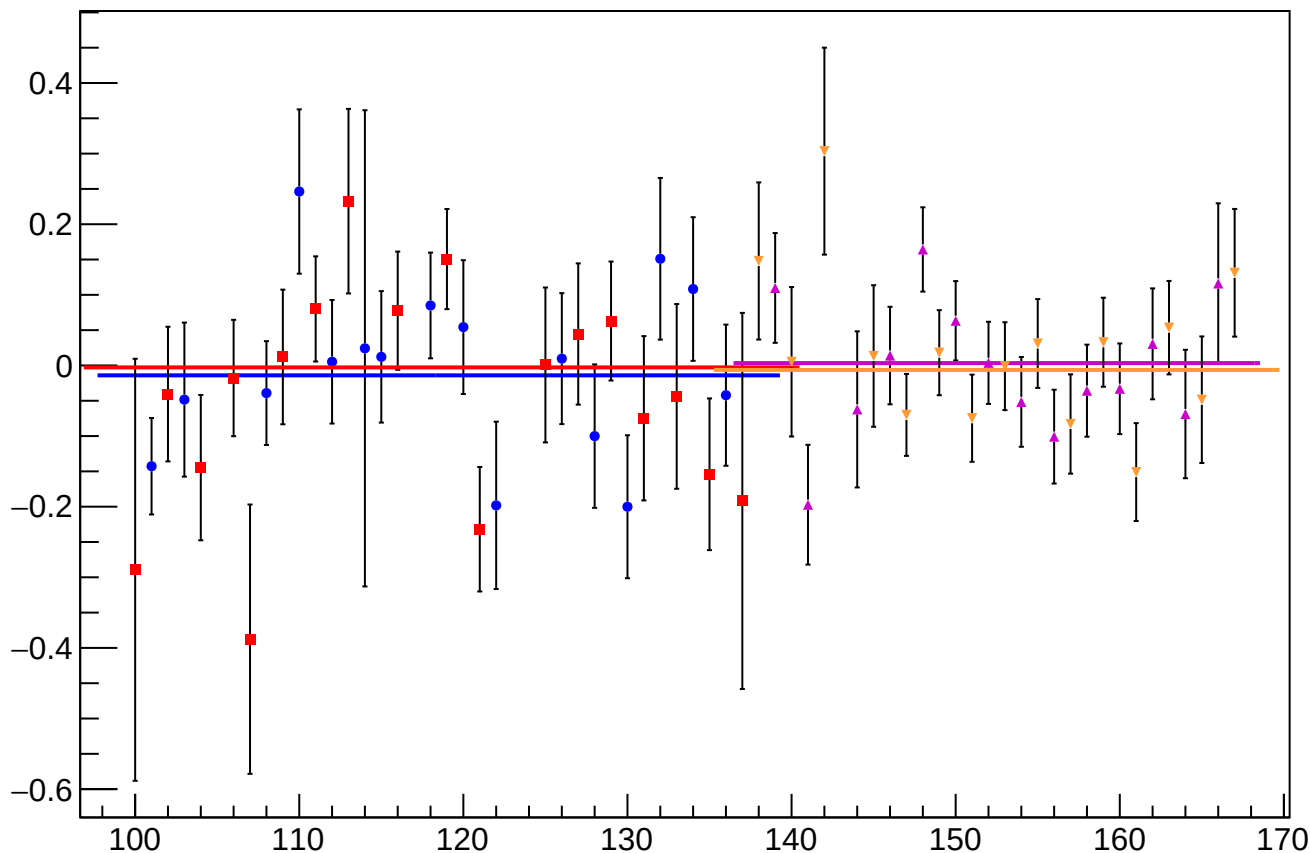
Left In: 61.926+/-0.013 χ^2/NDF : 605395.2/13

+ sign 61.499+/-0.010 χ^2/NDF : 1535929.8/30

All: 61.423+/-0.007 χ^2/NDF : 2857383.1/62

- sign 61.348+/-0.010 χ^2/NDF : 1321350.3/31

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: -0.006 ± 0.019 χ^2/NDF : 18.7/14

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

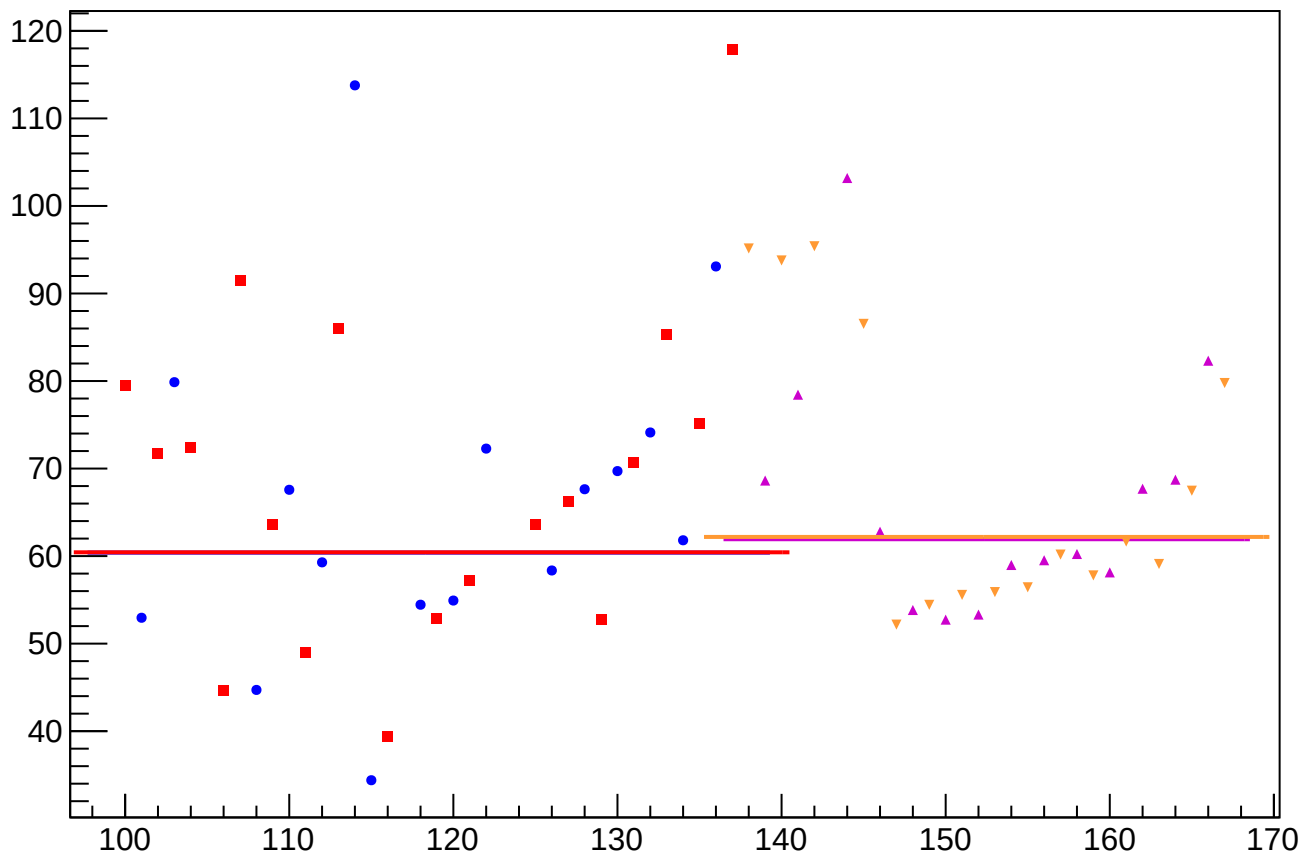
Left In: 0.003 ± 0.019 χ^2/NDF : 21.9/13

+ sign -0.009 ± 0.015 χ^2/NDF : 40.1/30

All: -0.004 ± 0.010 χ^2/NDF : 90.0/62

- sign 0.001 ± 0.015 χ^2/NDF : 49.7/31

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: 62.189 $\pm$ 0.013 χ^2 /NDF: 825834.5/14

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

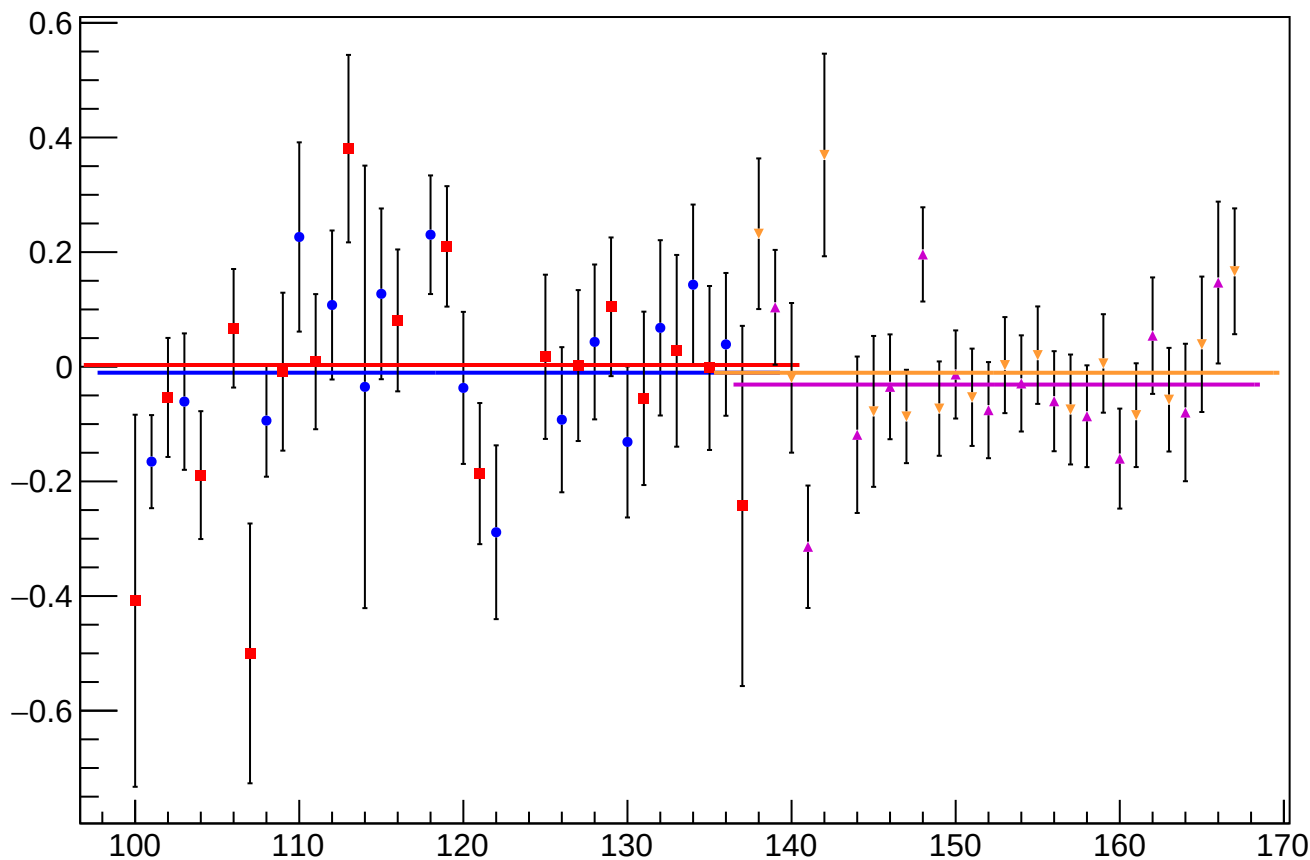
Left In: 61.926 $\pm$ 0.013 χ^2 /NDF: 605395.2/13

+ sign 61.499 $\pm$ 0.010 χ^2 /NDF: 1535929.8/30

All: 61.423 $\pm$ 0.007 χ^2 /NDF: 2857383.1/62

- sign 61.348 $\pm$ 0.010 χ^2 /NDF: 1321350.3/31

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.010 ± 0.025 χ^2/NDF : 14.4/14

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

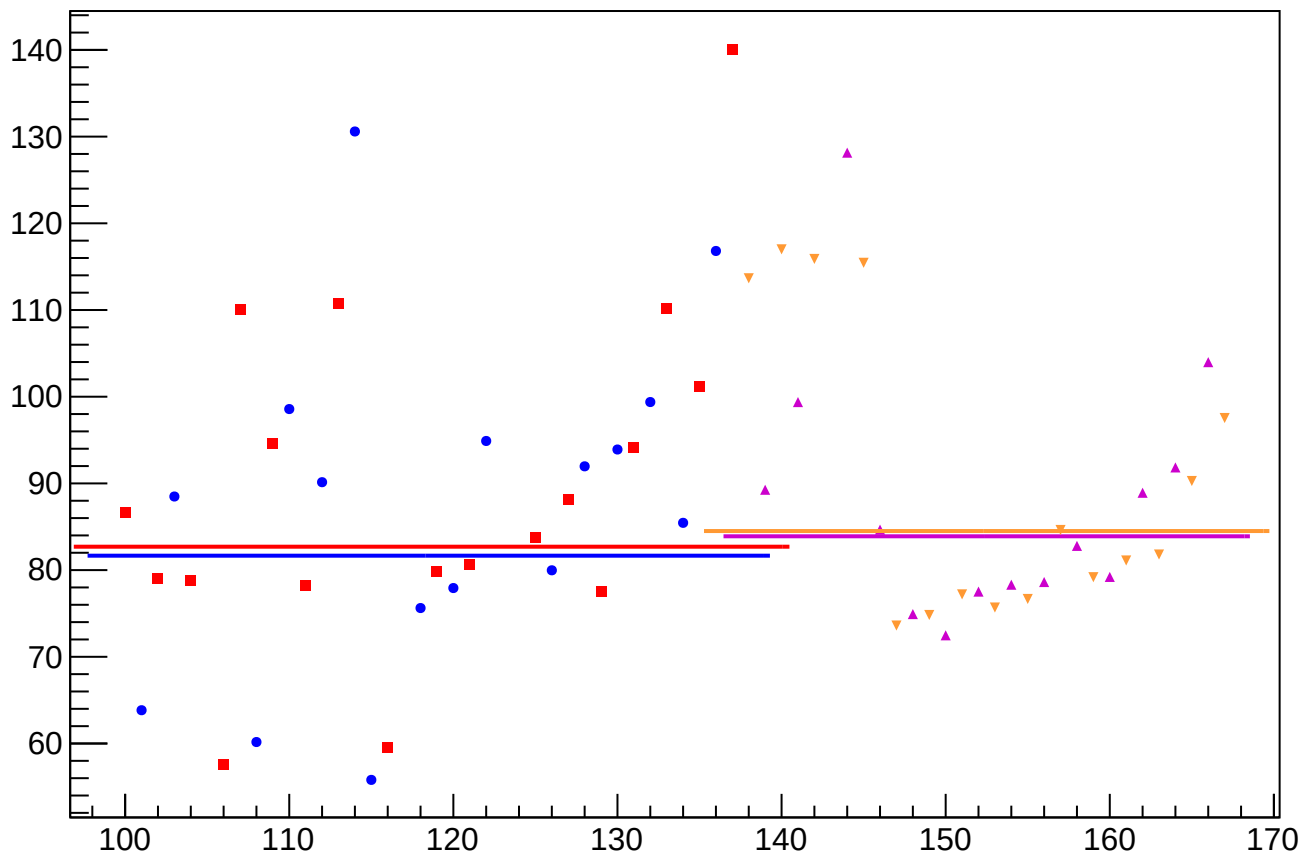
Left In: -0.031 ± 0.025 χ^2/NDF : 22.4/13

+ sign -0.010 ± 0.020 χ^2/NDF : 34.5/30

All: -0.014 ± 0.014 χ^2/NDF : 81.3/62

- sign -0.018 ± 0.020 χ^2/NDF : 46.7/31

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 84.506+/-0.018 χ^2/NDF : 558608.2/14

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

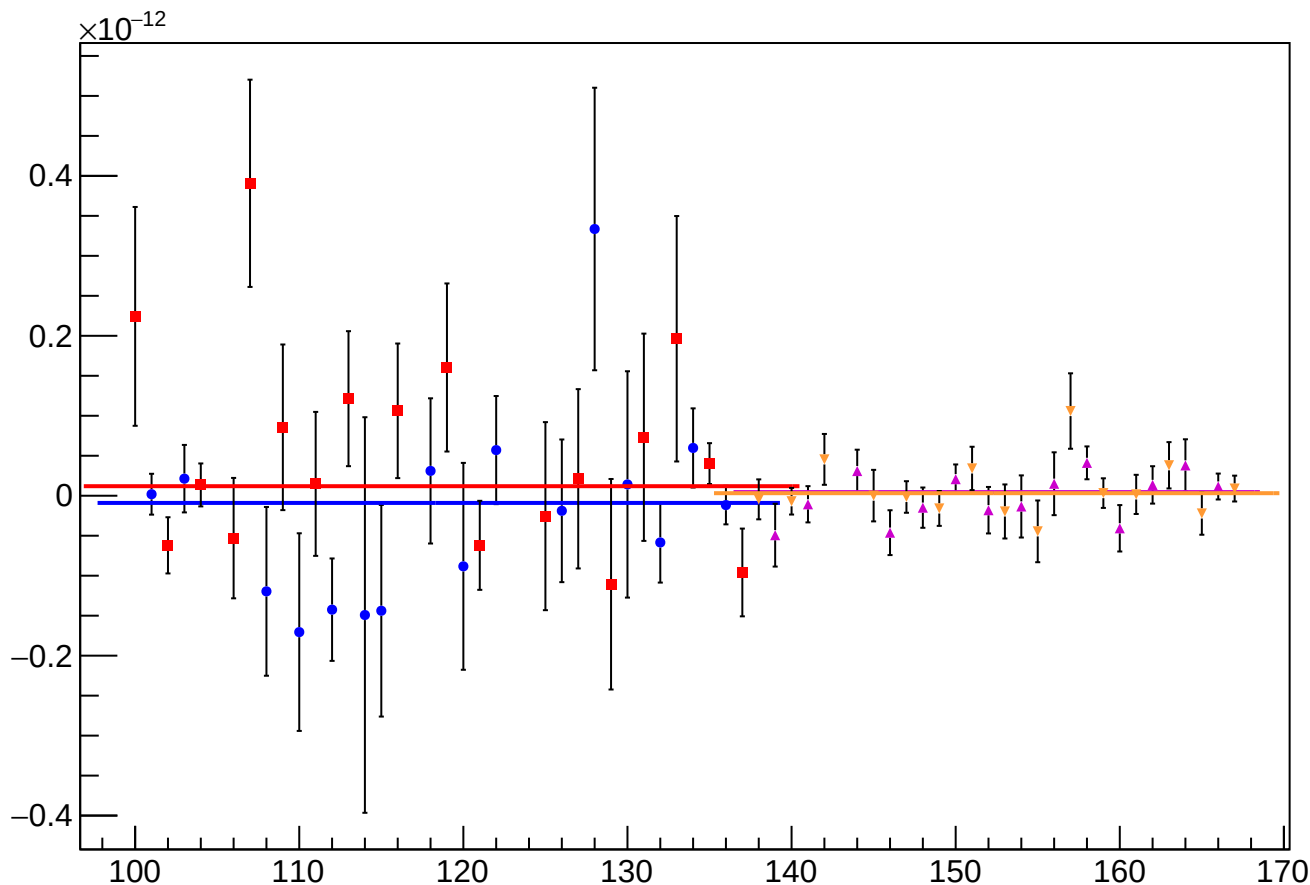
Left In: 83.900+/-0.018 χ^2/NDF : 414106.1/13

+ sign 83.398+/-0.014 χ^2/NDF : 1130320.2/30

All: 83.416+/-0.010 χ^2/NDF : 2019241.0/62

- sign 83.435+/-0.014 χ^2/NDF : 888917.3/31

asym_us_avg_eigen_cor_vs_cor_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:13.6/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.1/17

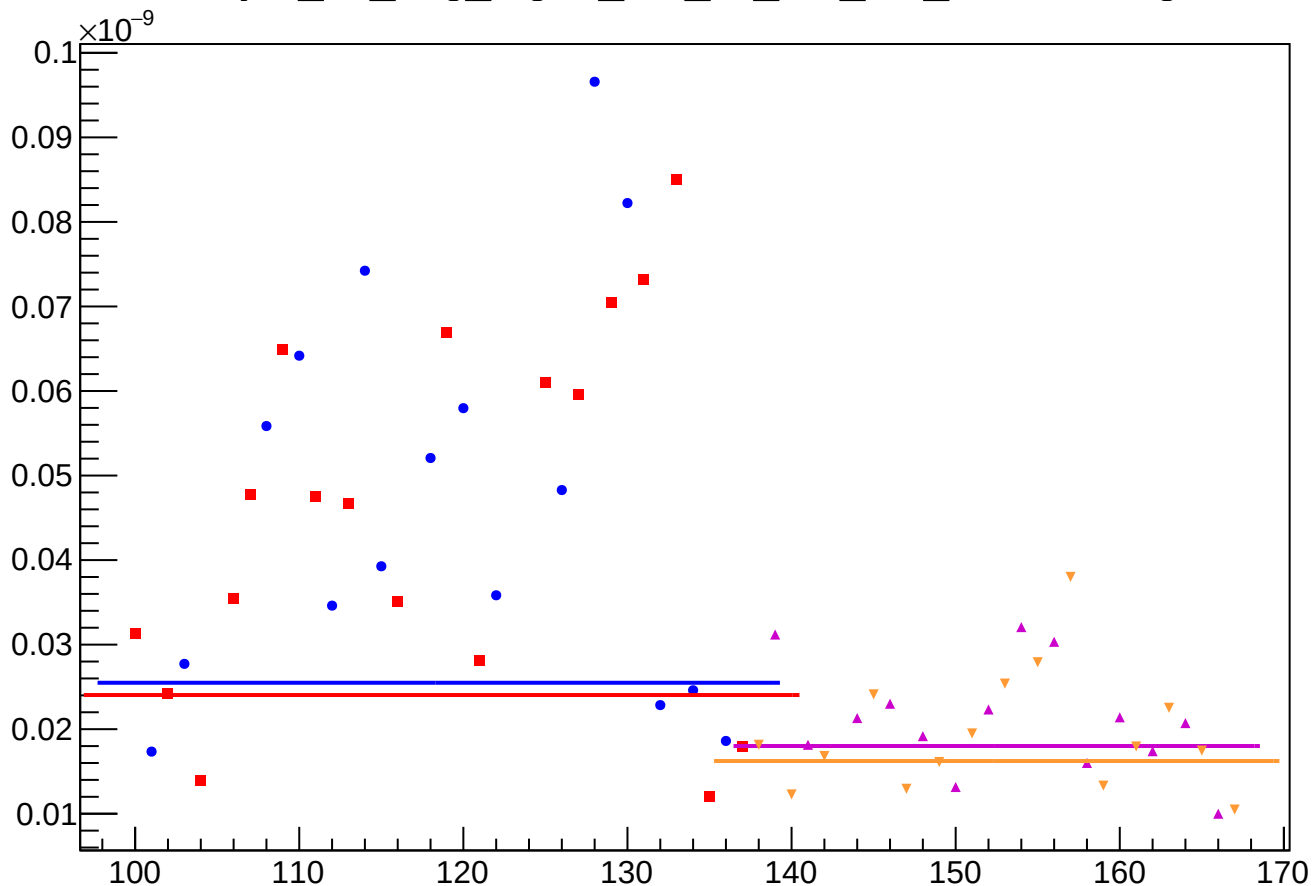
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.2/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.1/31

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 : 1496481.8/14

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

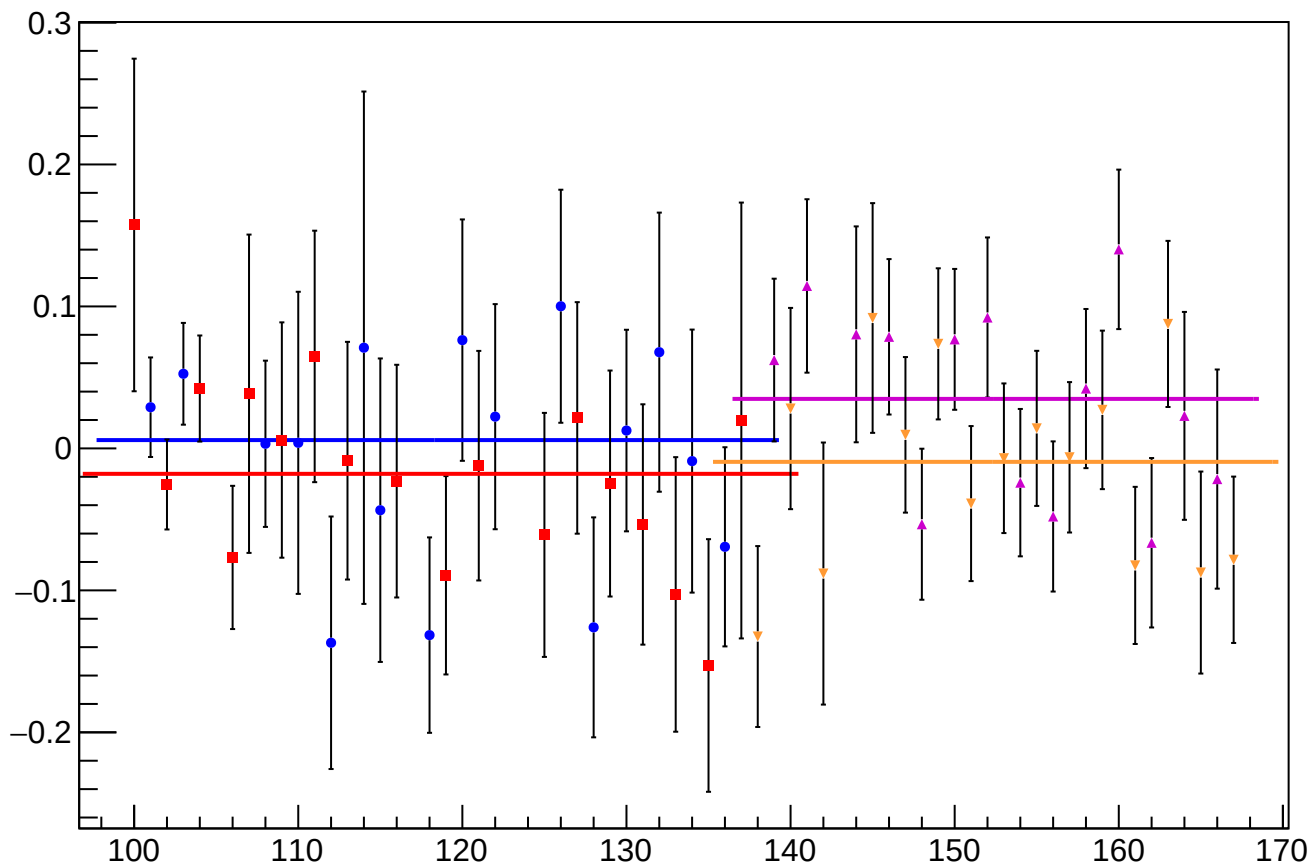
Left In: 0.000+/-0.000 χ^2/NDF : 1516656.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 4298371.5/30

All: 0.000+/-0.000 χ^2/NDF : 9276320.5/62

- sign 0.000+/-0.000 χ^2/NDF : 4925970.6/31

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.009 ± 0.015 $\chi^2/\text{NDF}: 16.9/14$

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

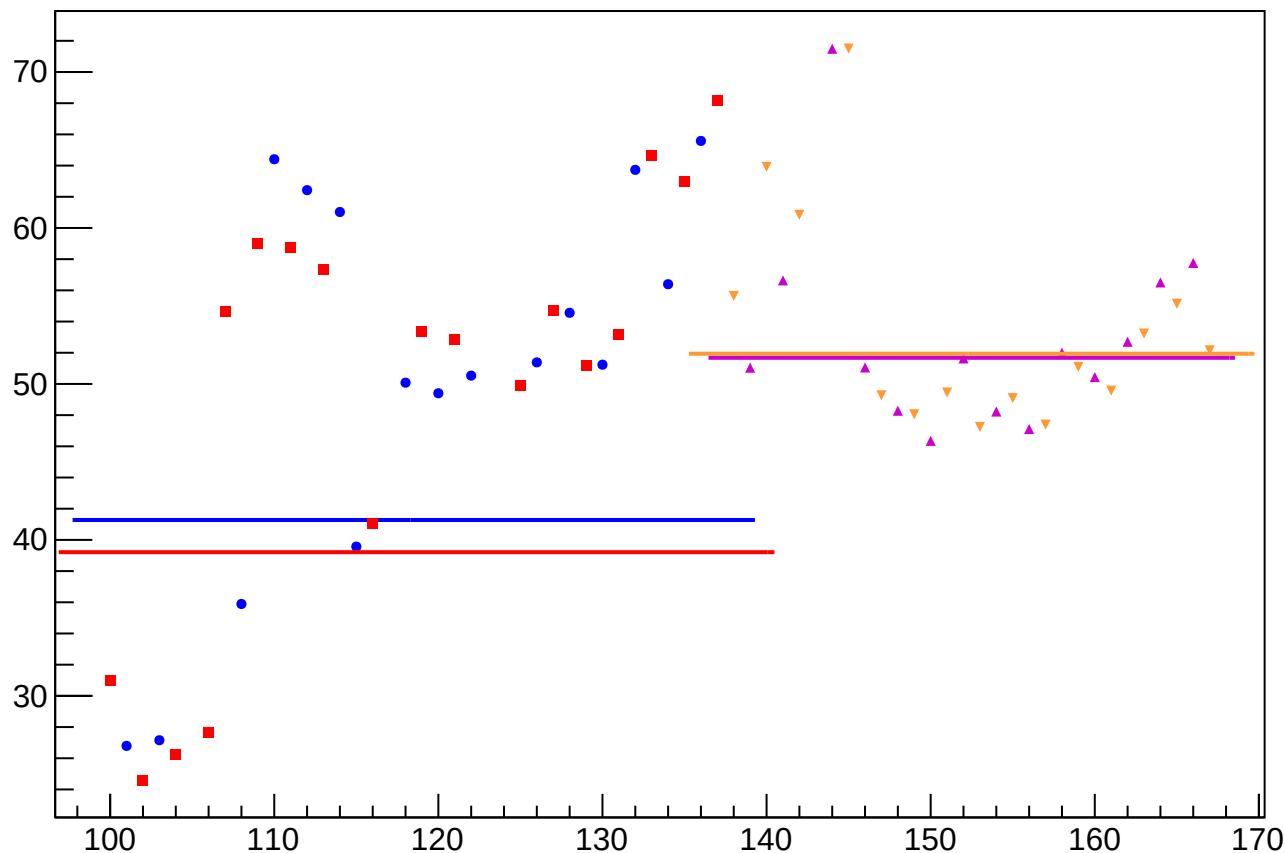
Left In: 0.035 ± 0.016 $\chi^2/\text{NDF}: 18.1/13$

+ sign -0.002 ± 0.011 $\chi^2/\text{NDF}: 32.9/30$

All: 0.003 ± 0.008 $\chi^2/\text{NDF}: 69.6/62$

- sign 0.009 ± 0.011 $\chi^2/\text{NDF}: 36.2/31$

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: 51.938 $\pm$ 0.011 χ^2 /NDF: 264270.7/14

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

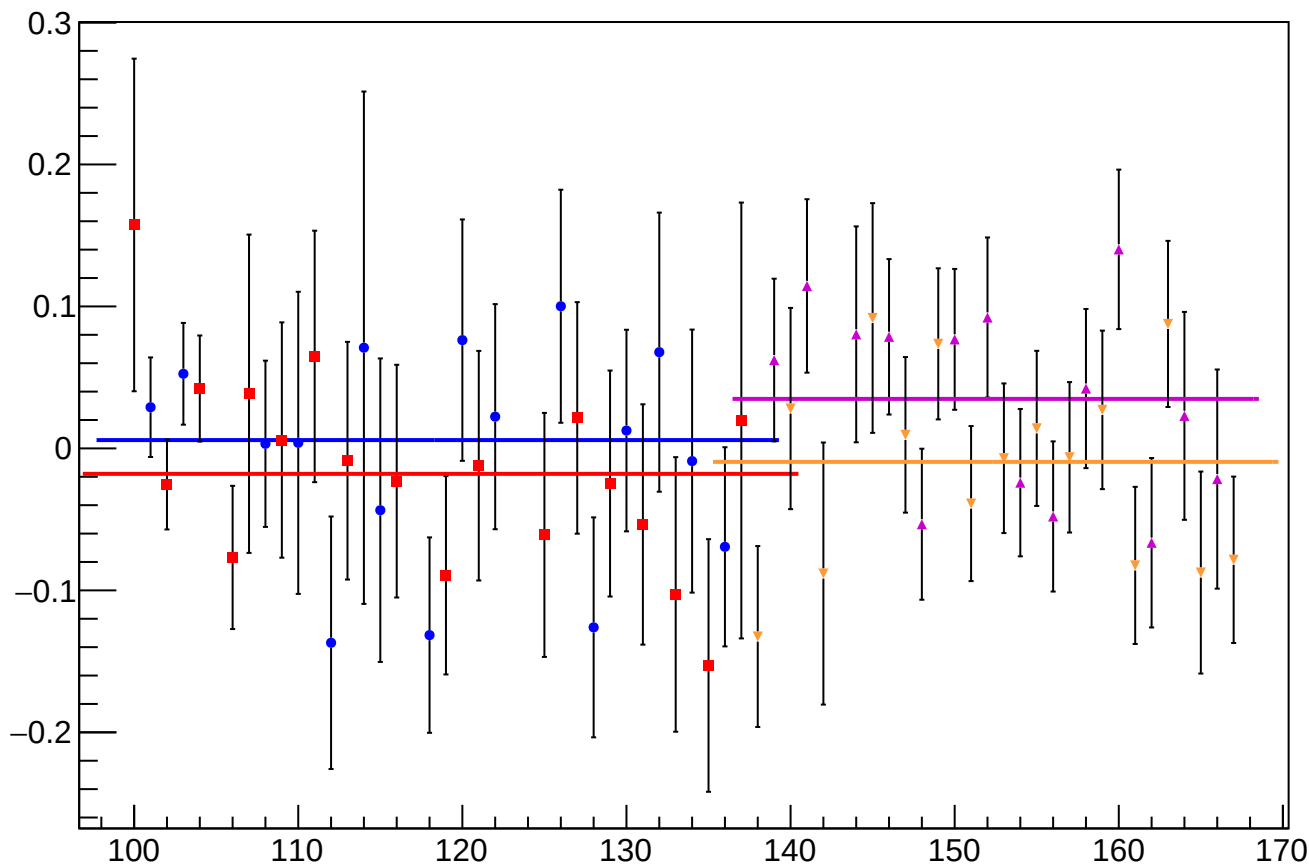
Left In: 51.676 $\pm$ 0.011 χ^2 /NDF: 227223.6/13

+ sign 46.983 $\pm$ 0.008 χ^2 /NDF: 2215044.2/30

All: 46.242 $\pm$ 0.006 χ^2 /NDF: 4915338.1/62

- sign 45.530 $\pm$ 0.008 χ^2 /NDF: 2683335.1/31

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: -0.009 ± 0.015 $\chi^2/\text{NDF}: 16.9/14$

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

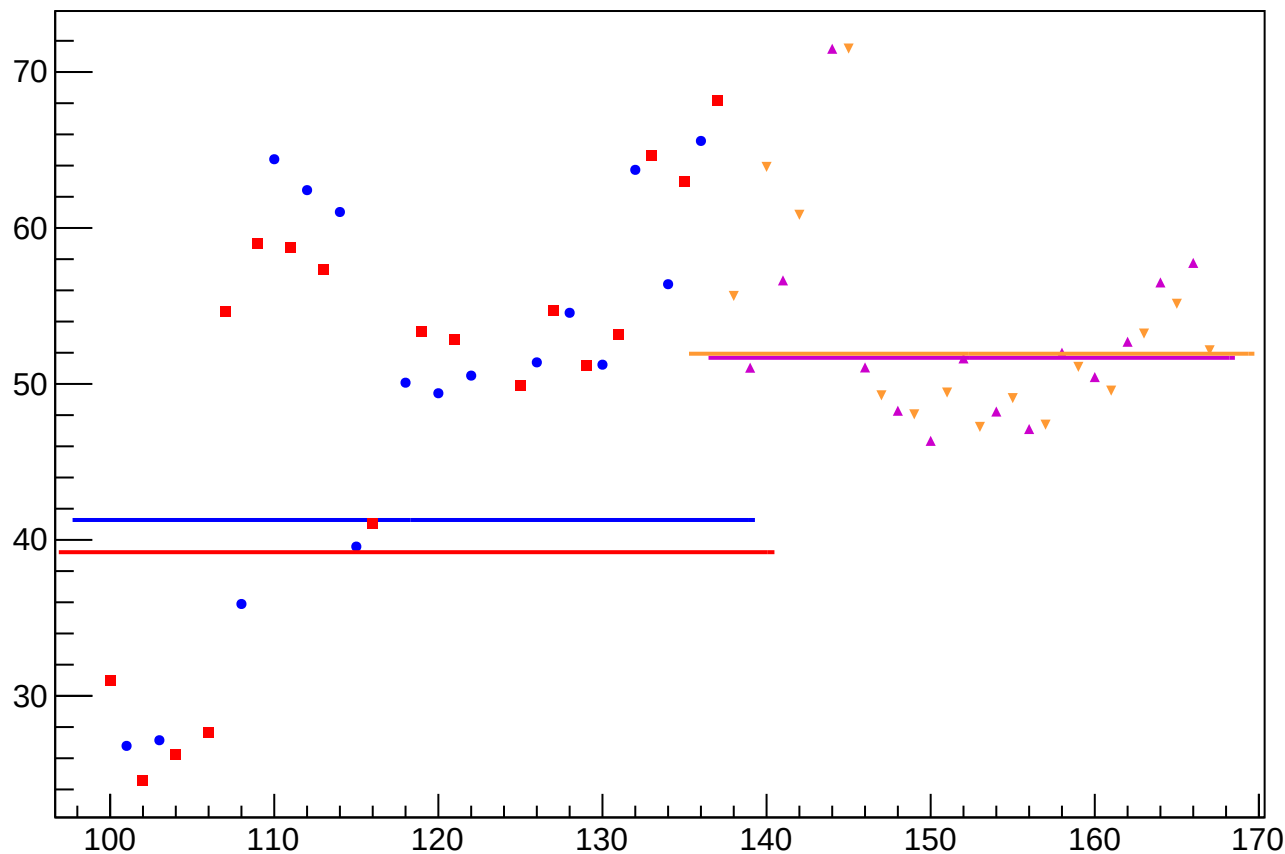
Left In: 0.035 ± 0.016 $\chi^2/\text{NDF}: 18.1/13$

+ sign -0.002 ± 0.011 $\chi^2/\text{NDF}: 32.9/30$

All: 0.003 ± 0.008 $\chi^2/\text{NDF}: 69.6/62$

- sign 0.009 ± 0.011 $\chi^2/\text{NDF}: 36.2/31$

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 51.938 $\pm$ 0.011 χ^2/NDF : 264270.7/14

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

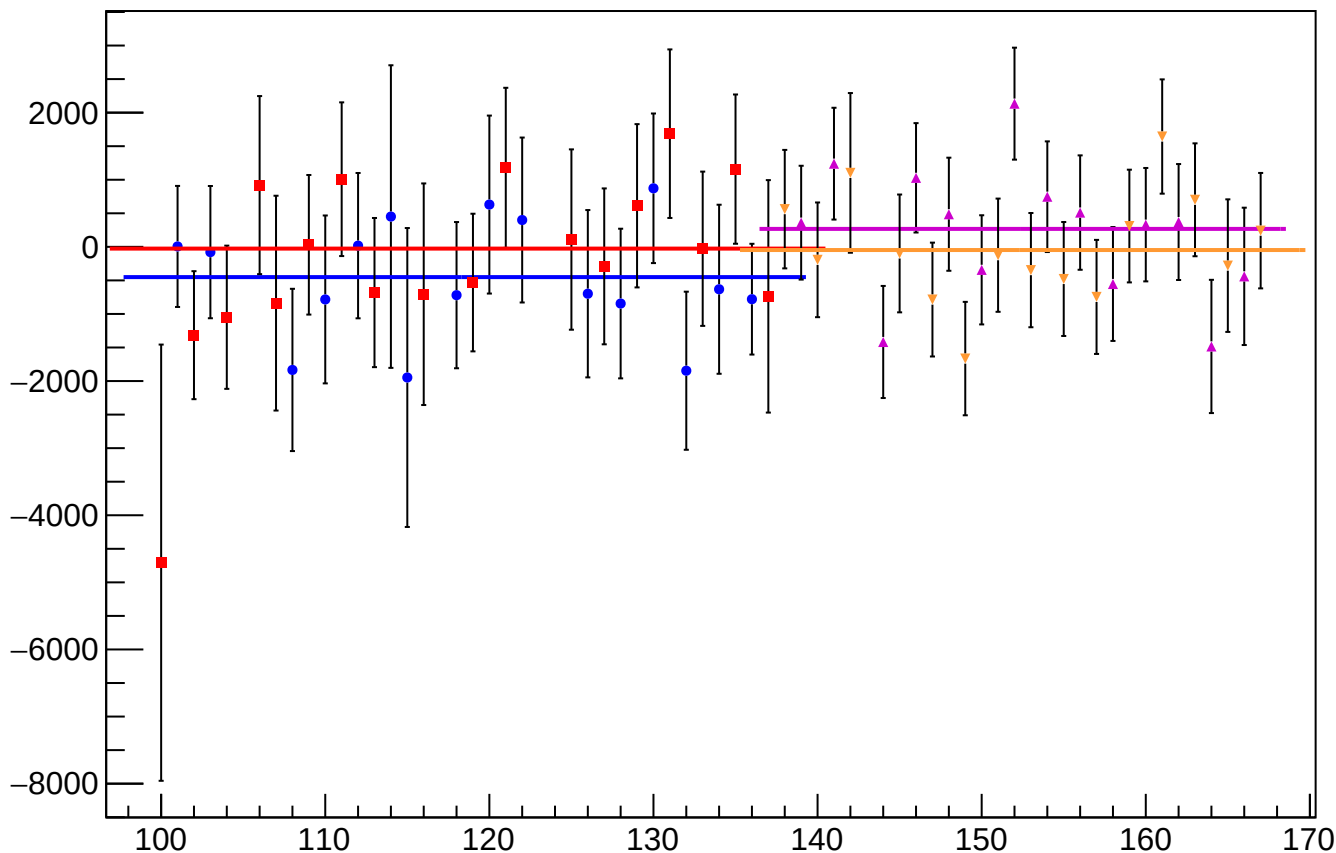
Left In: 51.676 $\pm$ 0.011 χ^2/NDF : 227223.6/13

+ sign 46.983 $\pm$ 0.008 χ^2/NDF : 2215044.2/30

All: 46.242 $\pm$ 0.006 χ^2/NDF : 4915338.1/62

- sign 45.530 $\pm$ 0.008 χ^2/NDF : 2683335.1/31

reg_asym_us_dd_mean vs Slug



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

Left Out: -47.477 ± 225.946 χ^2/NDF : 12.0/14

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

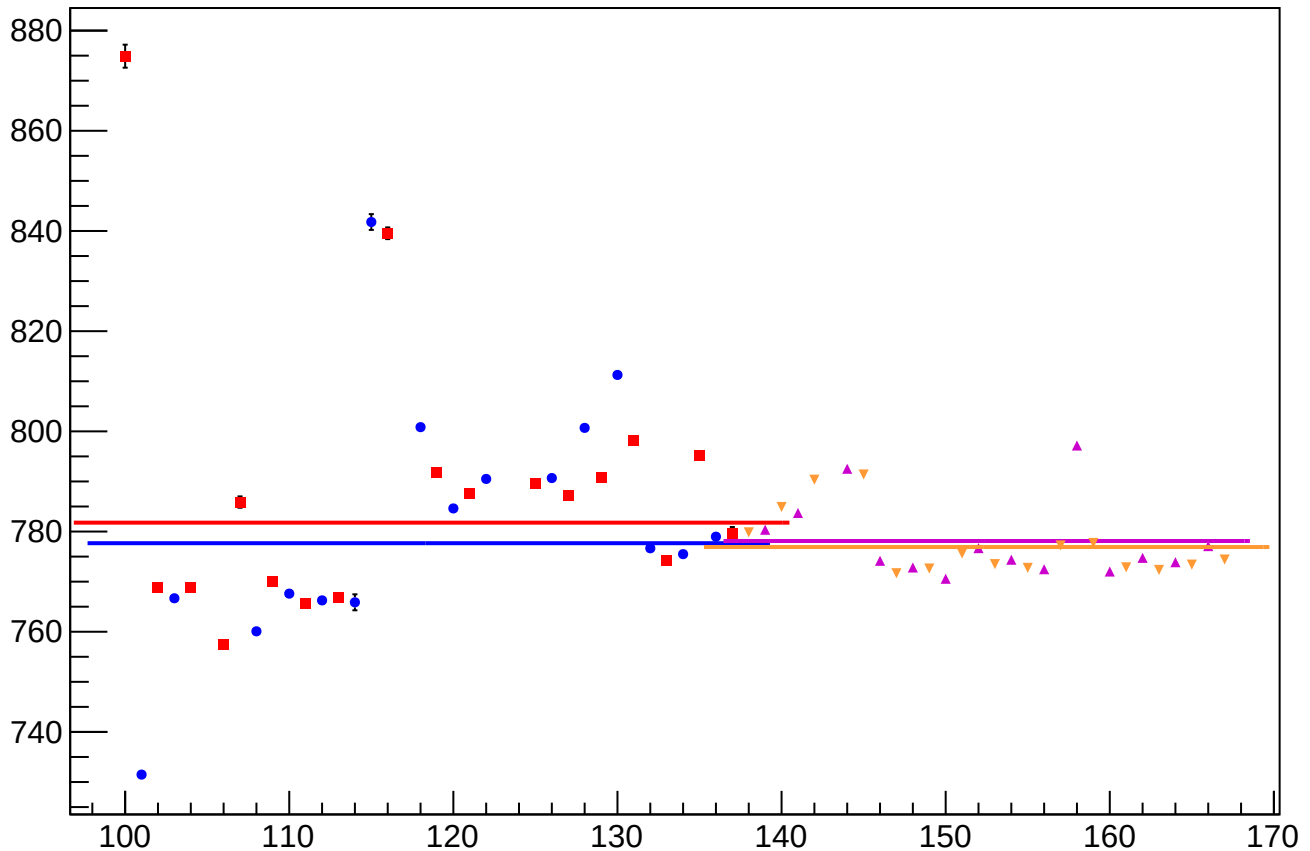
Left In: 267.530 ± 228.986 χ^2/NDF : 16.9/13

+ sign -200.573 ± 177.990 χ^2/NDF : 20.2/30

All: -24.621 ± 126.303 χ^2/NDF : 51.4/62

- sign 153.841 ± 179.256 χ^2/NDF : 29.2/31

reg_asym_us_dd_rms vs Slug



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

Left Out: 776.909 ± 0.160 χ^2/NDF : 1356.9/14

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

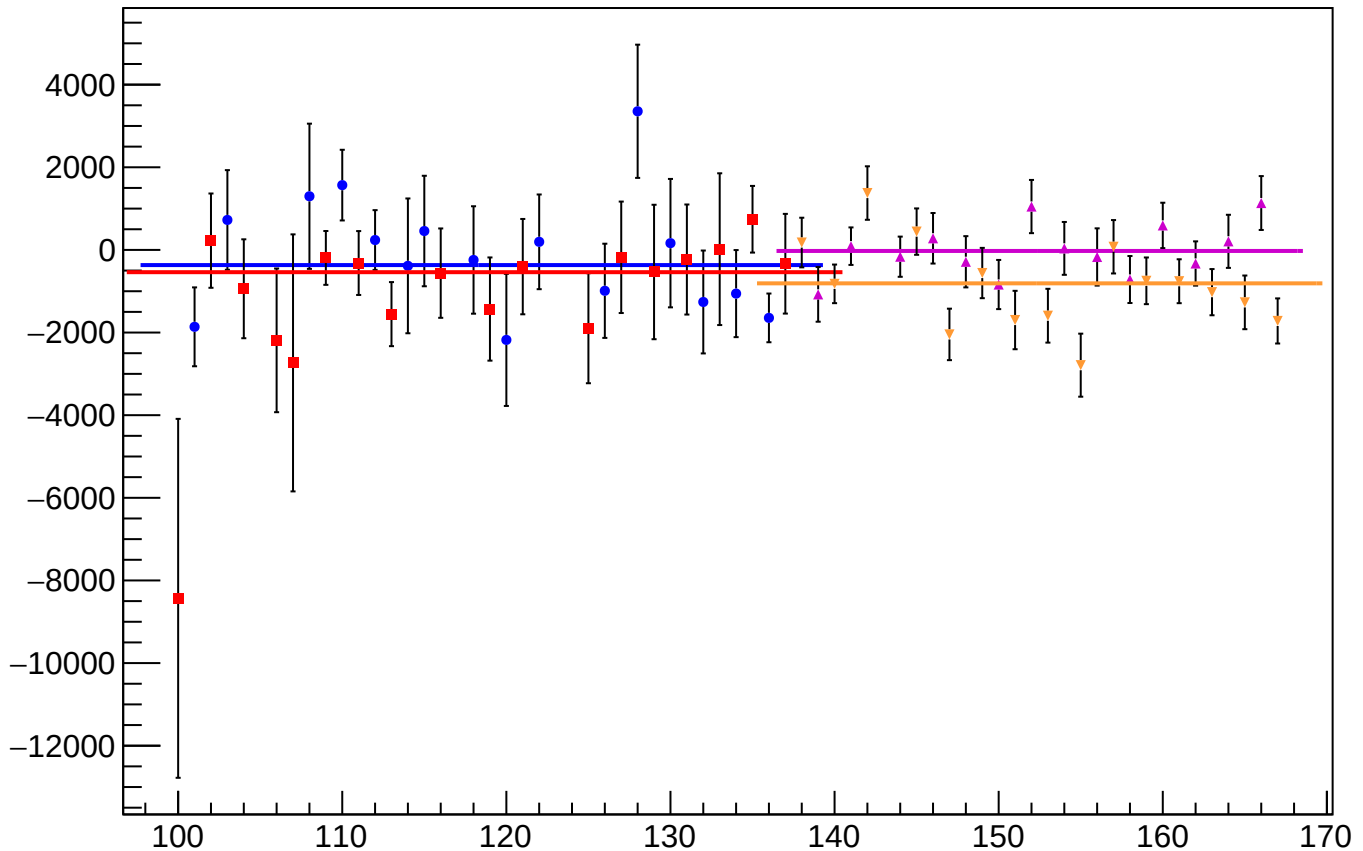
Left In: 778.114 ± 0.162 χ^2/NDF : 2314.1/13

+ sign 777.199 ± 0.126 χ^2/NDF : 13421.1/30

All: 778.357 ± 0.089 χ^2/NDF : 23730.1/62

- sign 779.532 ± 0.127 χ^2/NDF : 10138.5/31

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -809.188 $\pm$ 153.821 χ^2/NDF : 38.3/14

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

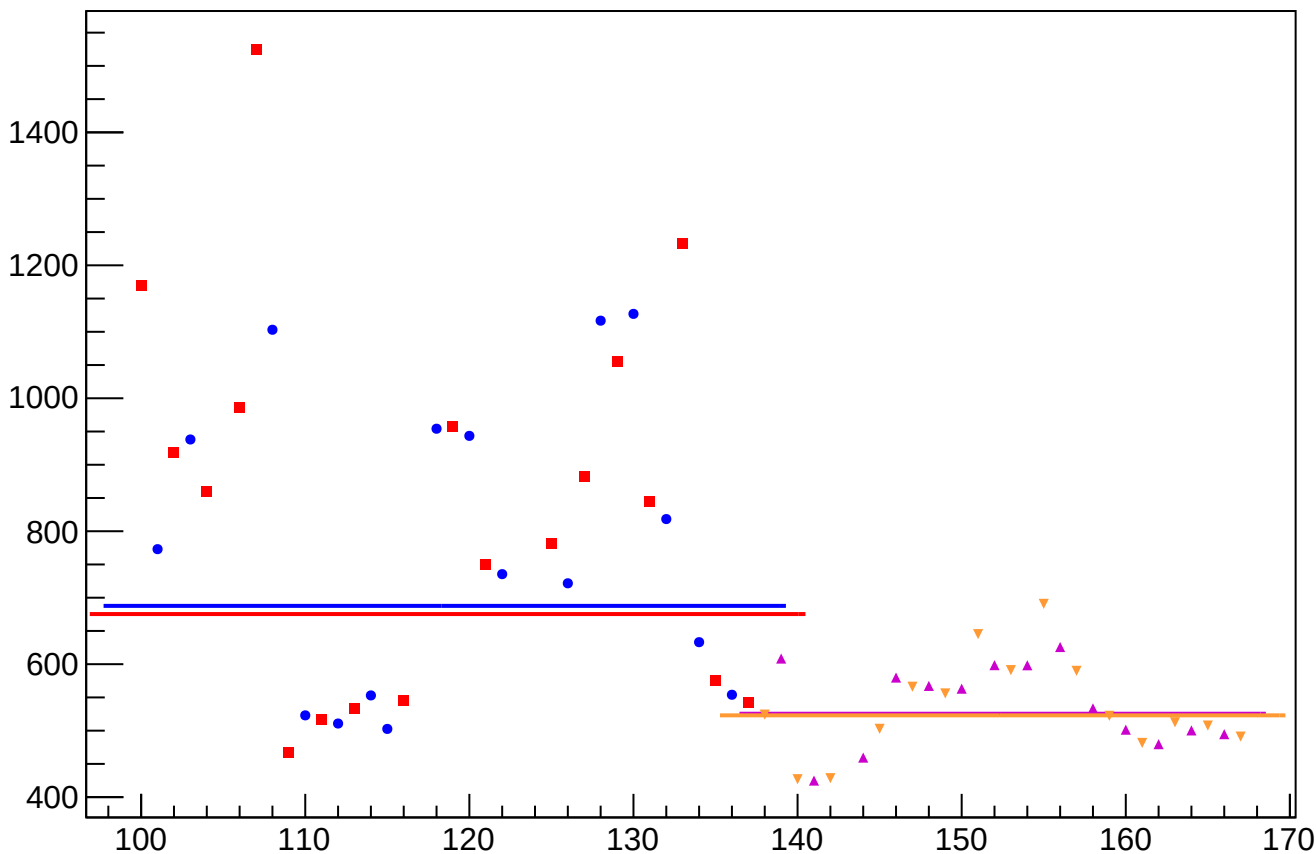
Left In: -25.144 $\pm$ 156.045 χ^2/NDF : 14.2/13

+ sign -698.813 $\pm$ 133.247 χ^2/NDF : 63.6/30

All: -430.797 $\pm$ 94.551 χ^2/NDF : 100.4/62

- sign -158.980 $\pm$ 134.189 χ^2/NDF : 28.7/31

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 523.038 ± 0.109 χ^2/NDF : 365864.4/14

+ sign 564.145 ± 0.094 χ^2/NDF : 1969968.9/30

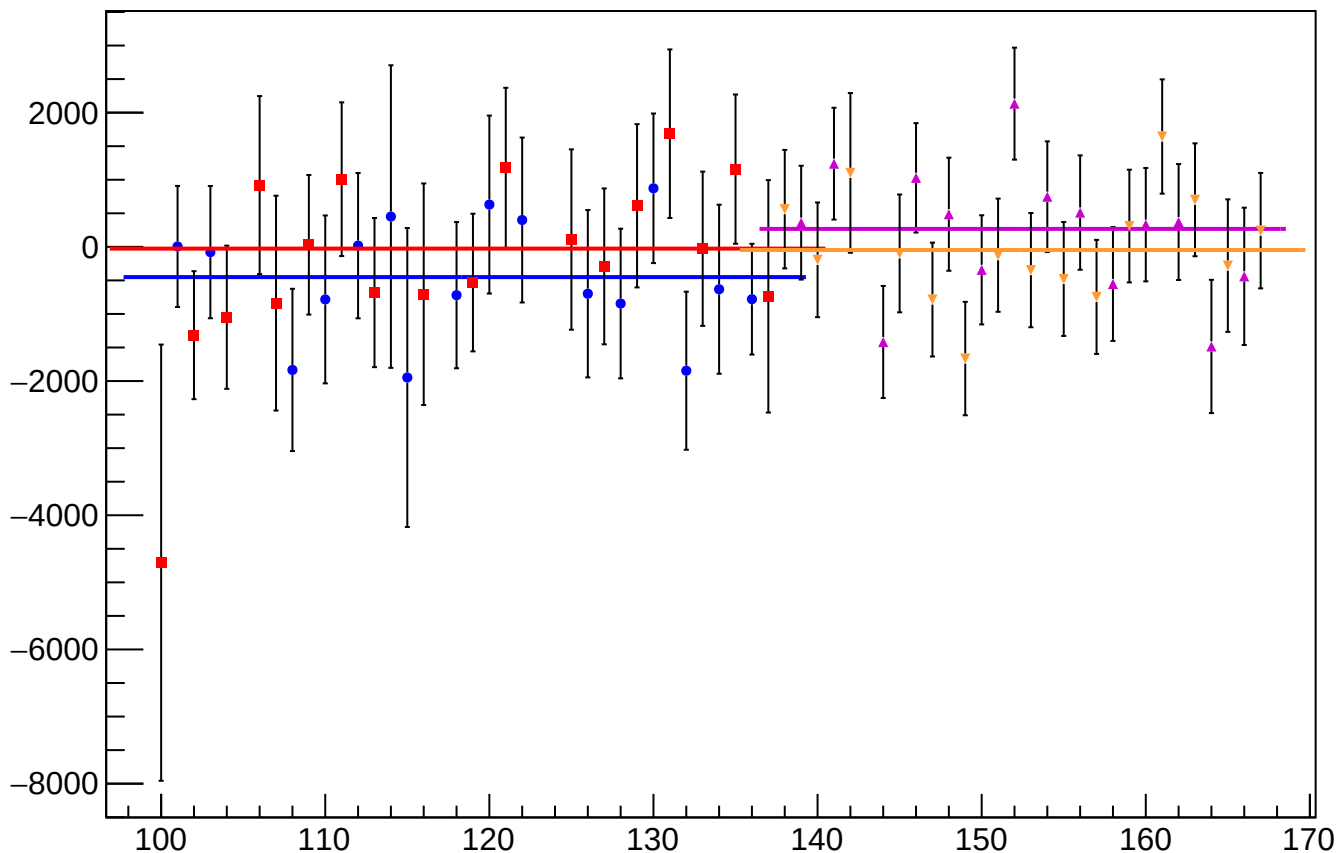
Right Out: 675.410 ± 0.186 χ^2/NDF : 1313004.6/17

All: 564.332 ± 0.067 χ^2/NDF : 4083598.7/62

Left In: 525.458 ± 0.110 χ^2/NDF : 319488.9/13

- sign 564.522 ± 0.095 χ^2/NDF : 2113621.8/31

cor_asym_us_dd_mean vs Slug



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

Left Out: -47.477 ± 225.946 χ^2/NDF : 12.0/14

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

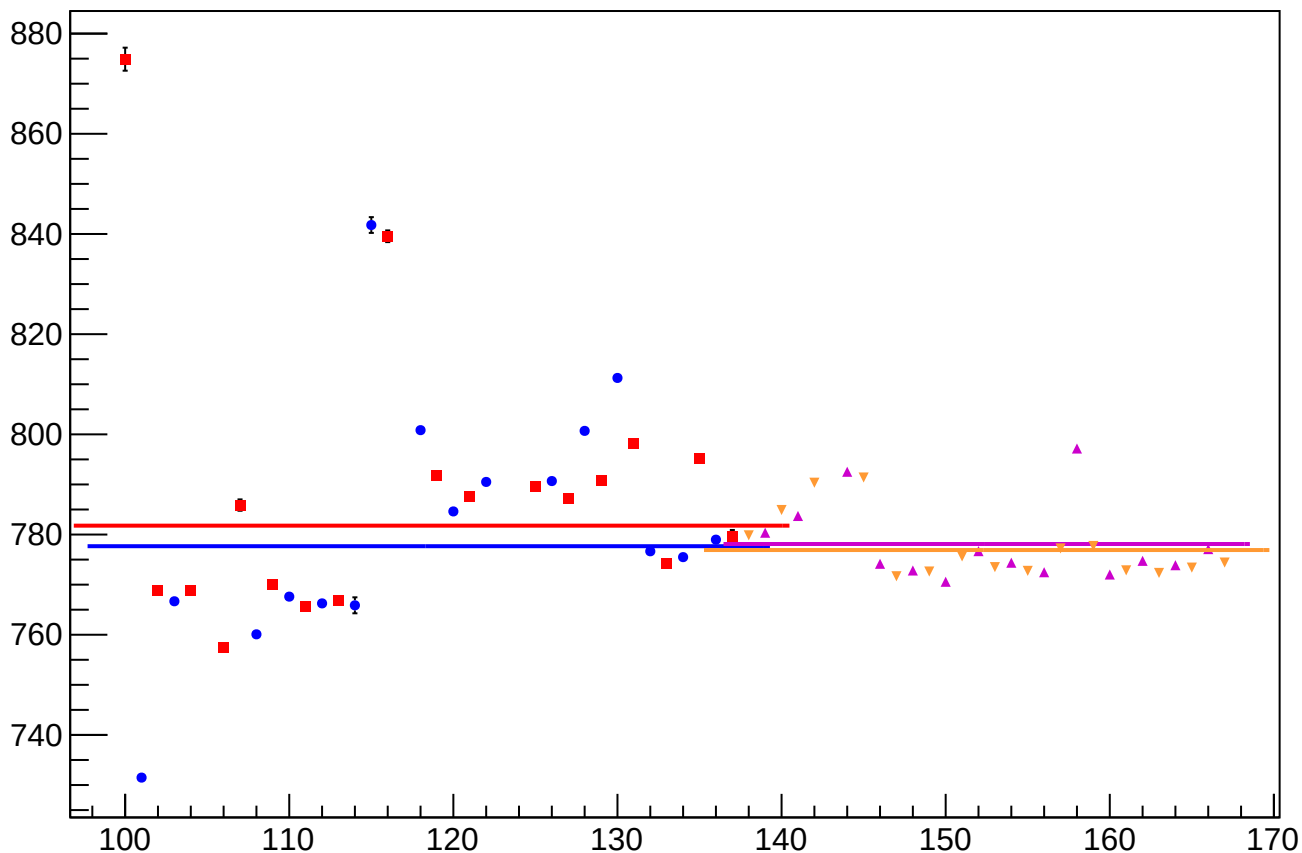
Left In: 267.530 ± 228.986 χ^2/NDF : 16.9/13

+ sign -200.573 ± 177.990 χ^2/NDF : 20.2/30

All: -24.621 ± 126.303 χ^2/NDF : 51.4/62

- sign 153.841 ± 179.256 χ^2/NDF : 29.2/31

cor_asym_us_dd_rms vs Slug



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

Left Out: 776.909 $\pm$ 0.160 χ^2 /NDF:1356.9/14

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

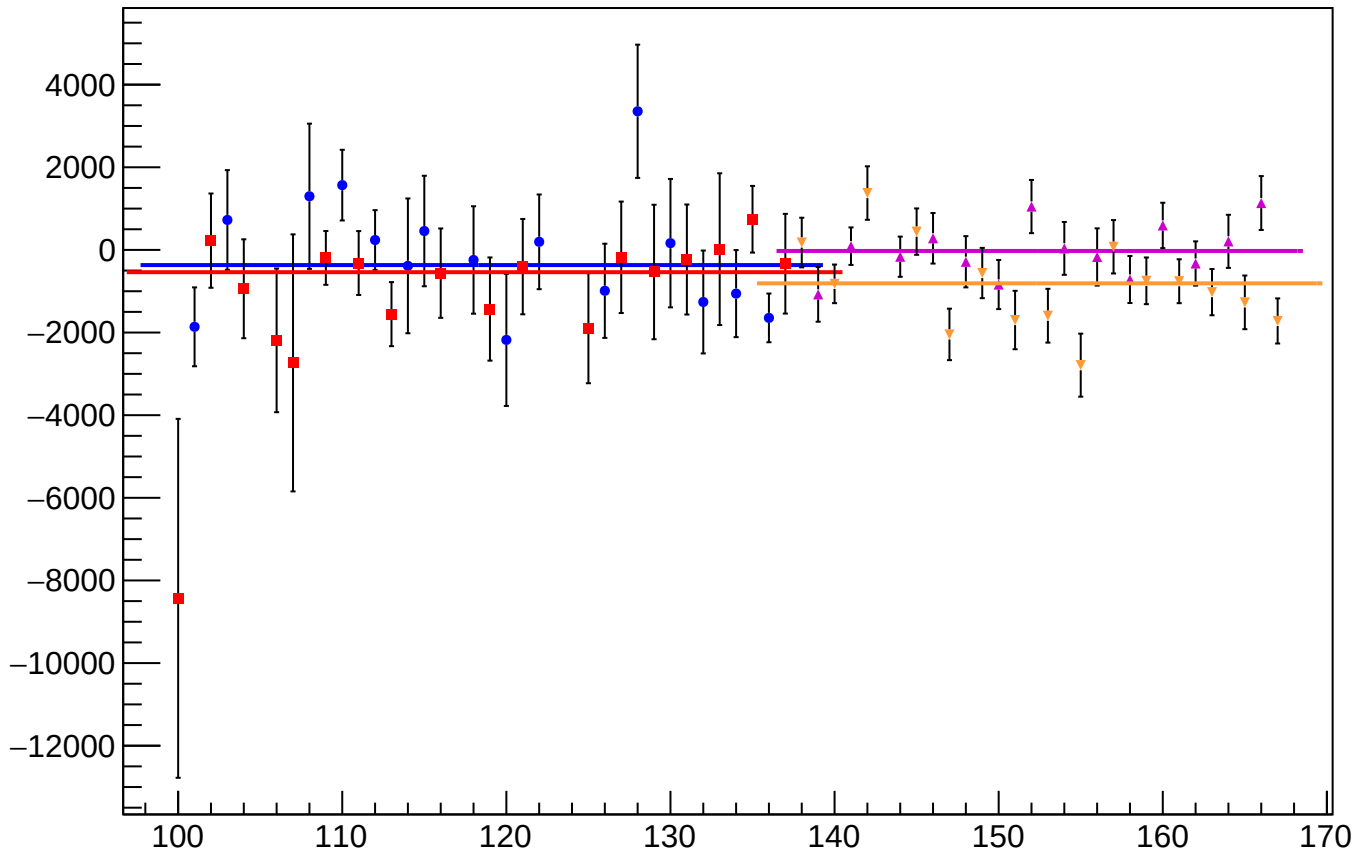
Left In: 778.114 $\pm$ 0.162 χ^2 /NDF:2314.1/13

+ sign 777.199 $\pm$ 0.126 χ^2 /NDF: 13421.1/30

All: 778.357 $\pm$ 0.089 χ^2 /NDF: 23730.1/62

- sign 779.532 $\pm$ 0.127 χ^2 /NDF: 10138.5/31

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: -809.188 ± 153.821 χ^2/NDF : 38.3/14

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

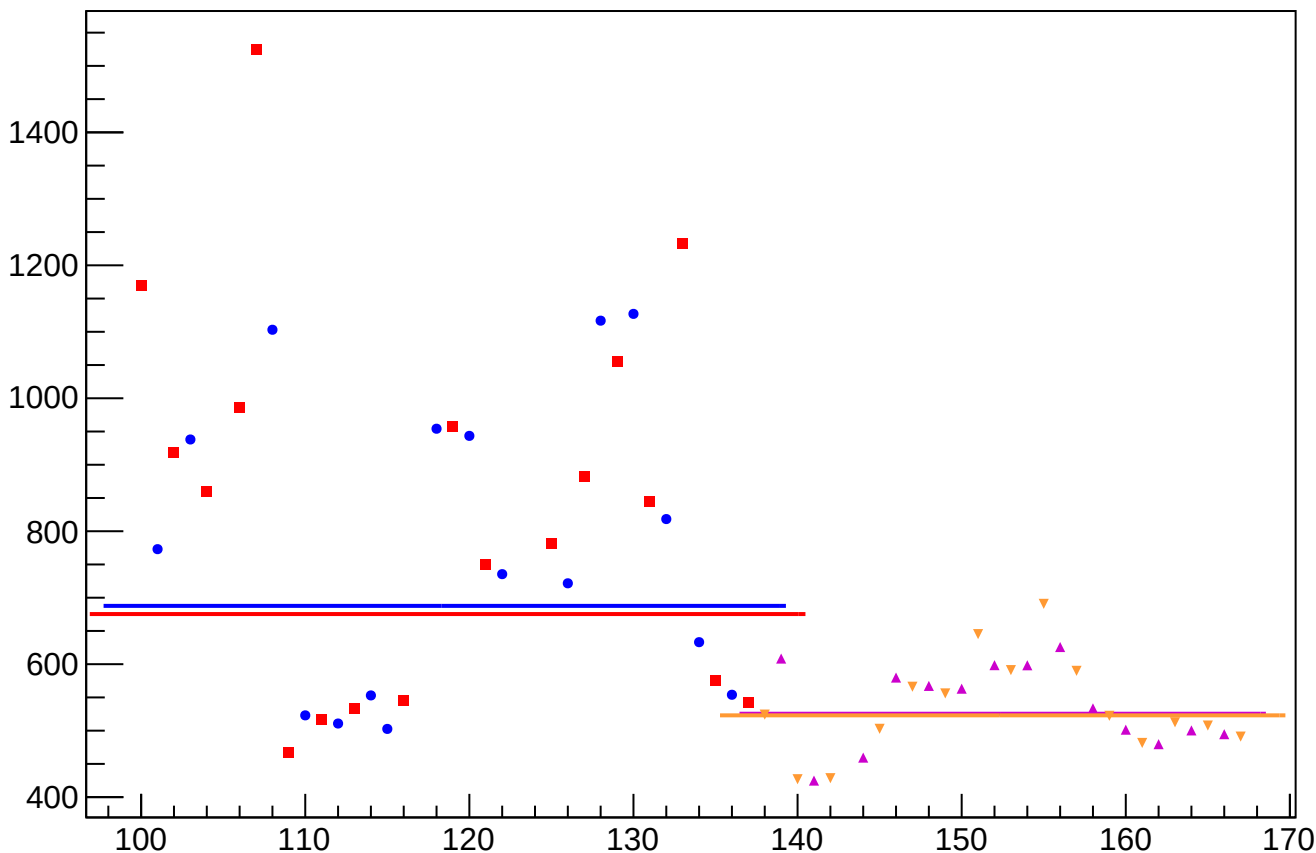
Left In: -25.144 ± 156.045 χ^2/NDF : 14.2/13

+ sign -698.813 ± 133.247 χ^2/NDF : 63.6/30

All: -430.797 ± 94.551 χ^2/NDF : 100.4/62

- sign -158.980 ± 134.189 χ^2/NDF : 28.7/31

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 523.038+/-0.109 χ^2/NDF : 365864.4/14

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

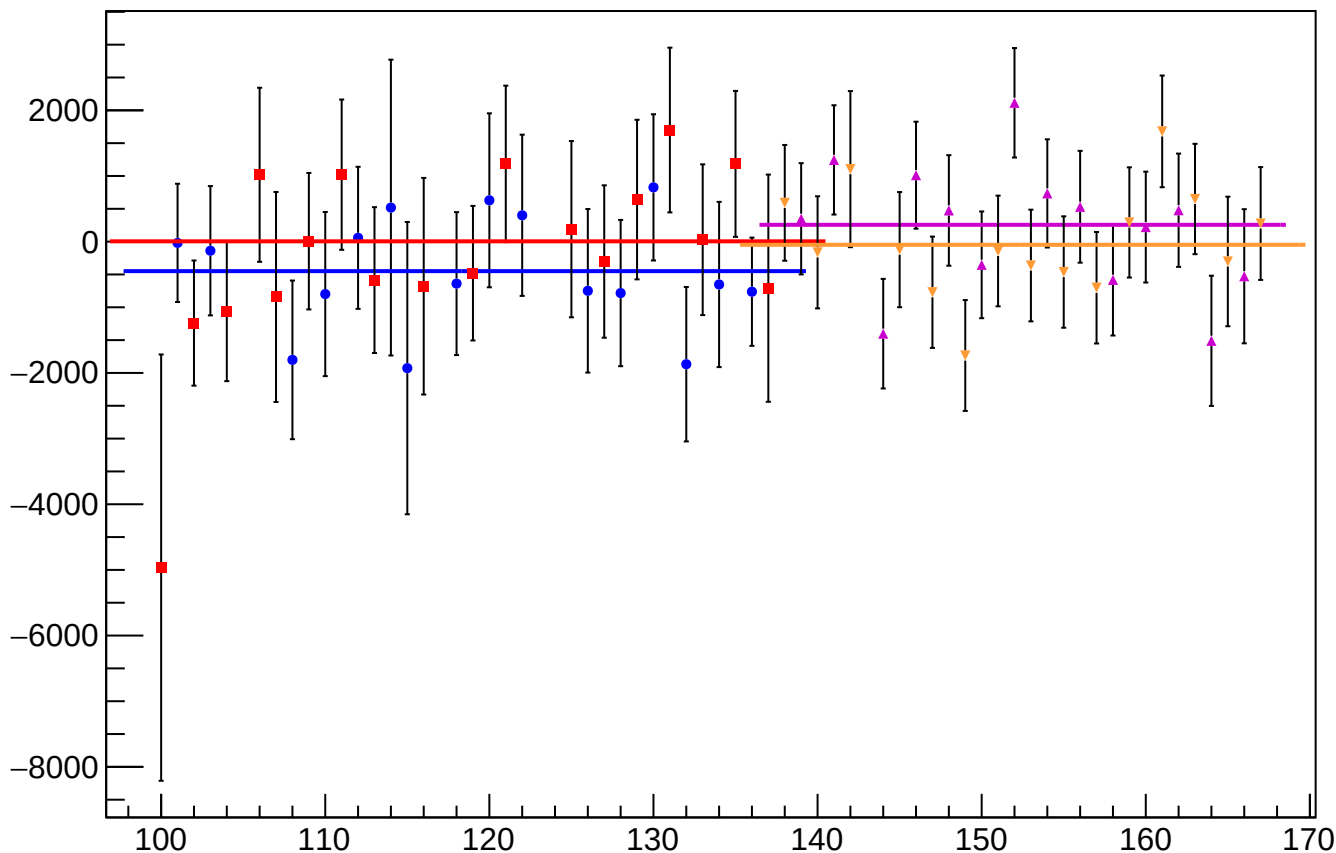
Left In: 525.458+/-0.110 χ^2/NDF : 319488.9/13

+ sign 564.145+/-0.094 χ^2/NDF : 1969968.9/30

All: 564.332+/-0.067 χ^2/NDF : 4083598.7/62

- sign 564.522+/-0.095 χ^2/NDF : 2113621.8/31

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -48.285 ± 225.738 χ^2/NDF : 12.4/14

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

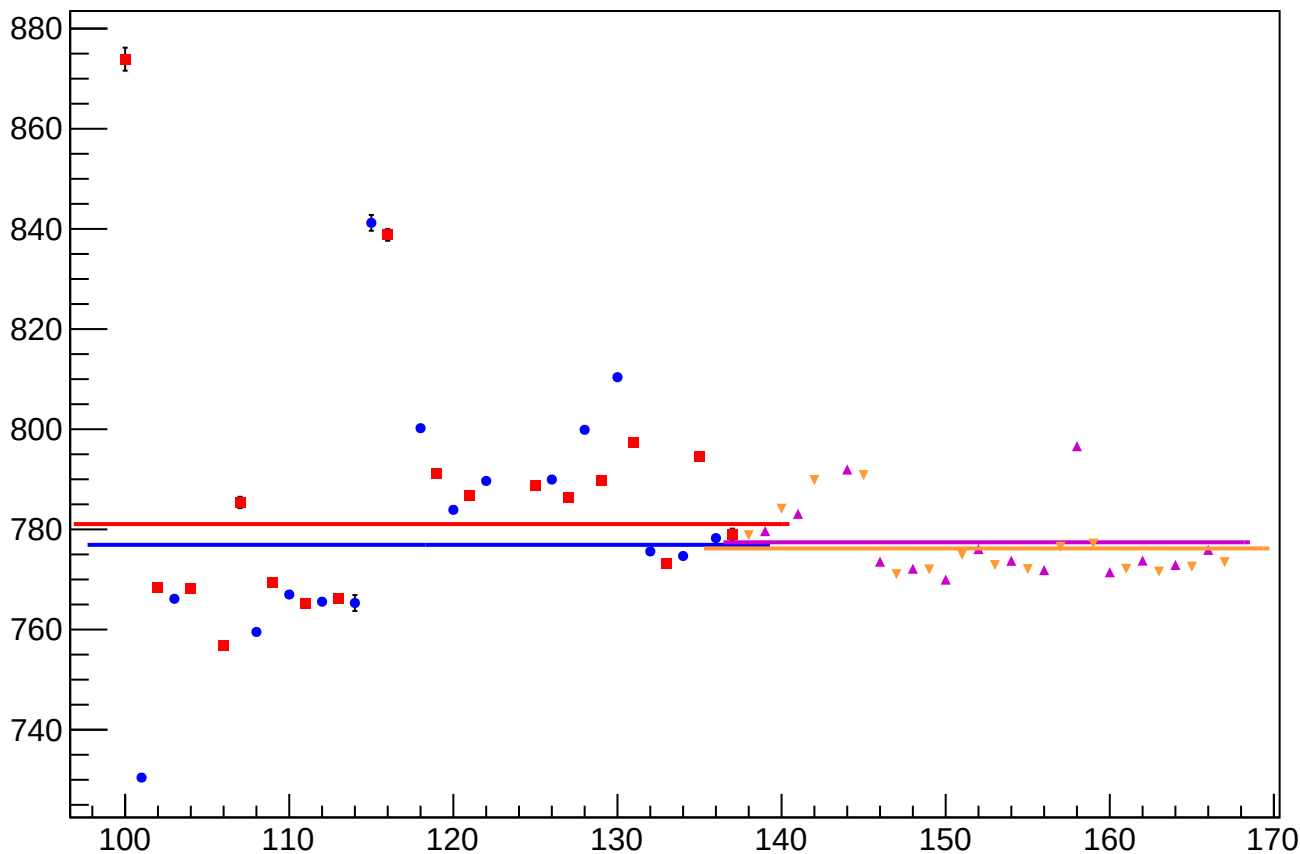
Left In: 255.960 ± 228.783 χ^2/NDF : 17.1/13

+ sign -200.507 ± 177.823 χ^2/NDF : 20.3/30

All: -22.208 ± 126.187 χ^2/NDF : 51.7/62

- sign 158.651 ± 179.095 χ^2/NDF : 29.4/31

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.194 $\pm$ 0.160 χ^2 /NDF:1373.3/14

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

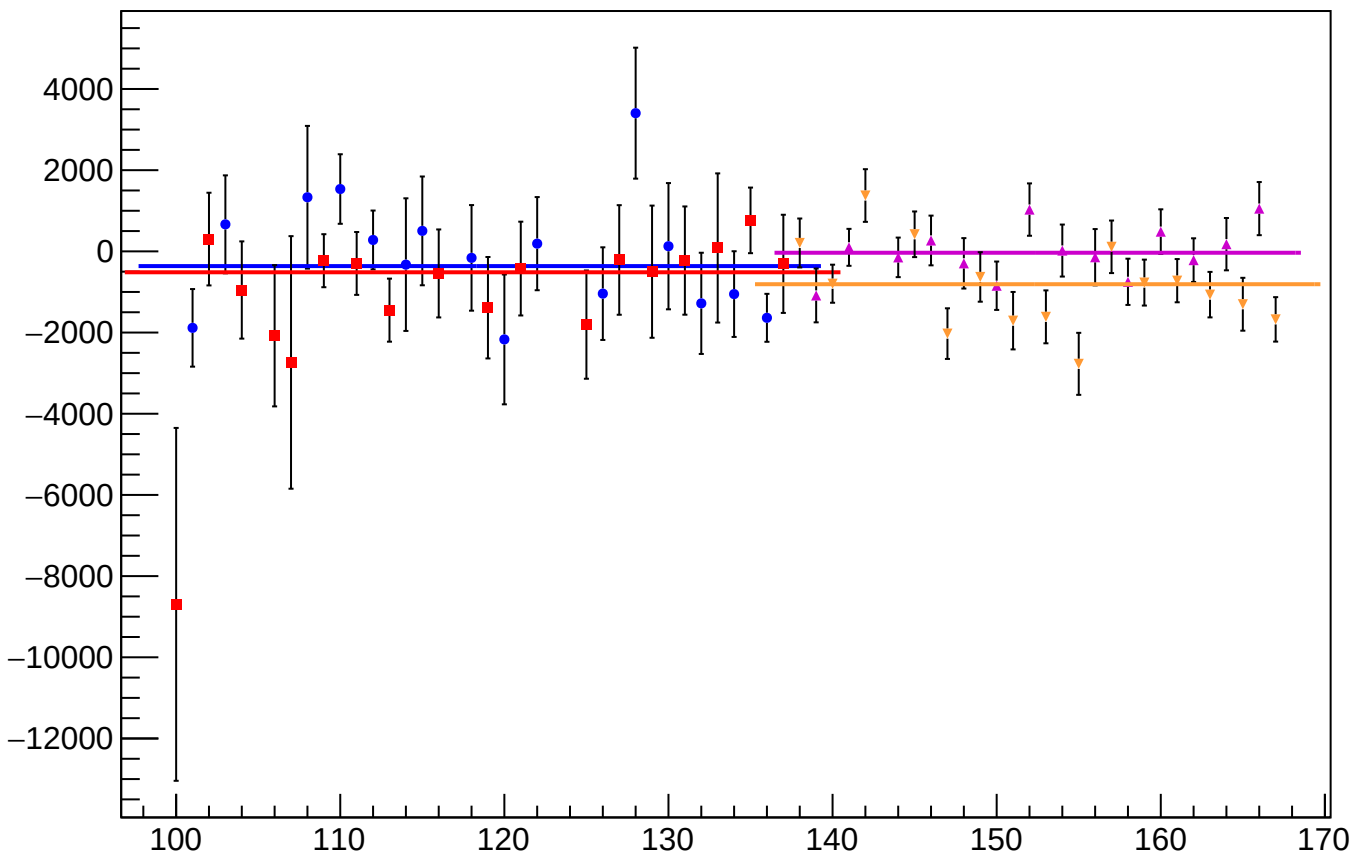
Left In: 777.423 $\pm$ 0.162 χ^2 /NDF:2341.4/13

+ sign 776.467 $\pm$ 0.126 χ^2 /NDF: 13504.6/30

All: 777.641 $\pm$ 0.089 χ^2 /NDF: 23803.1/62

- sign 778.832 $\pm$ 0.127 χ^2 /NDF: 10122.9/31

asym_us_dd_overload_cor_correction_mean vs Slug



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

Left Out: -809.120 ± 154.156 χ^2/NDF : 37.9/14

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

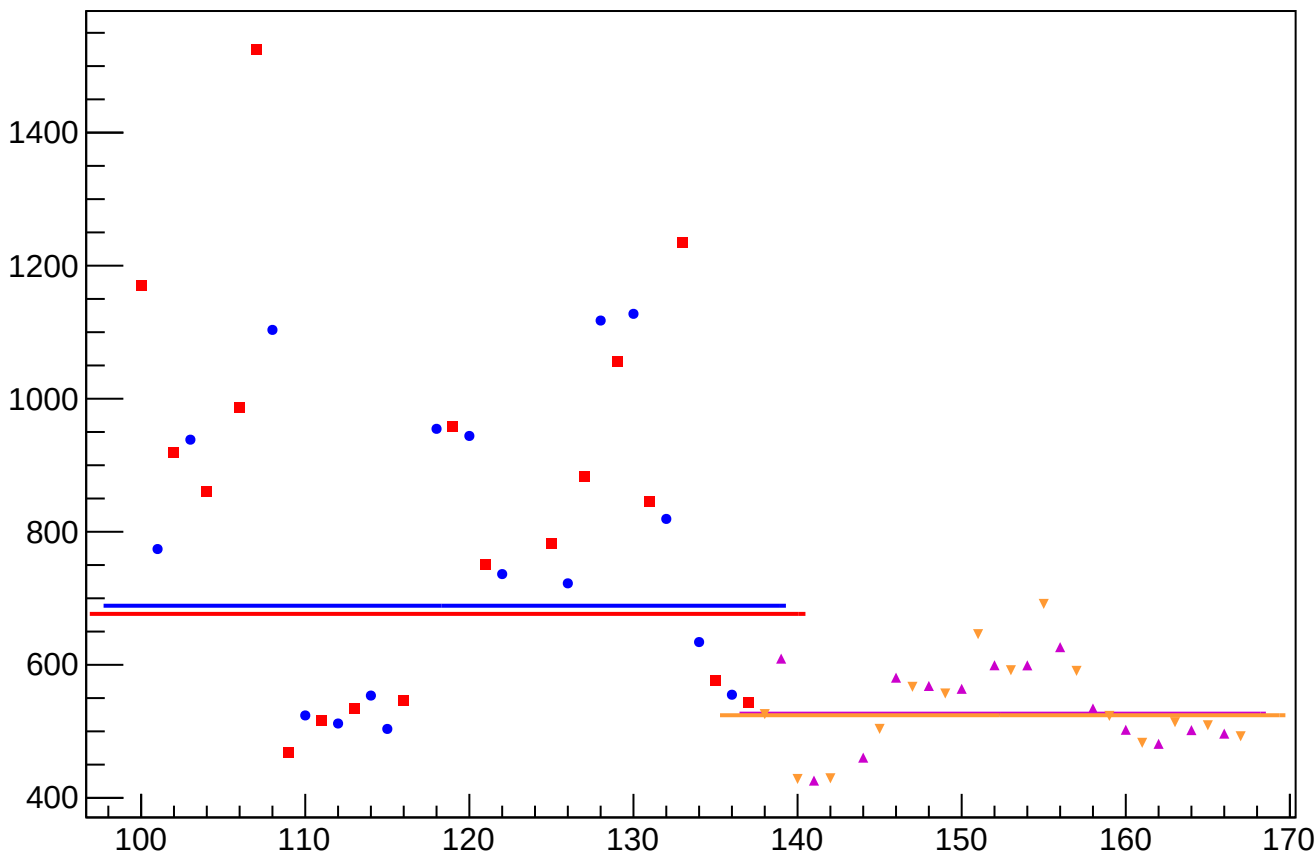
Left In: -34.172 ± 156.370 χ^2/NDF : 13.1/13

+ sign -697.593 ± 133.513 χ^2/NDF : 63.4/30

All: -430.482 ± 94.737 χ^2/NDF : 98.5/62

- sign -159.617 ± 134.448 χ^2/NDF : 27.0/31

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 688.828 $\pm$ 0.189 χ^2/NDF : 1028118.5/15

Left Out: 524.227 $\pm$ 0.109 χ^2/NDF : 362633.2/14

Right Out: 676.572 $\pm$ 0.186 χ^2/NDF : 1308036.1/17

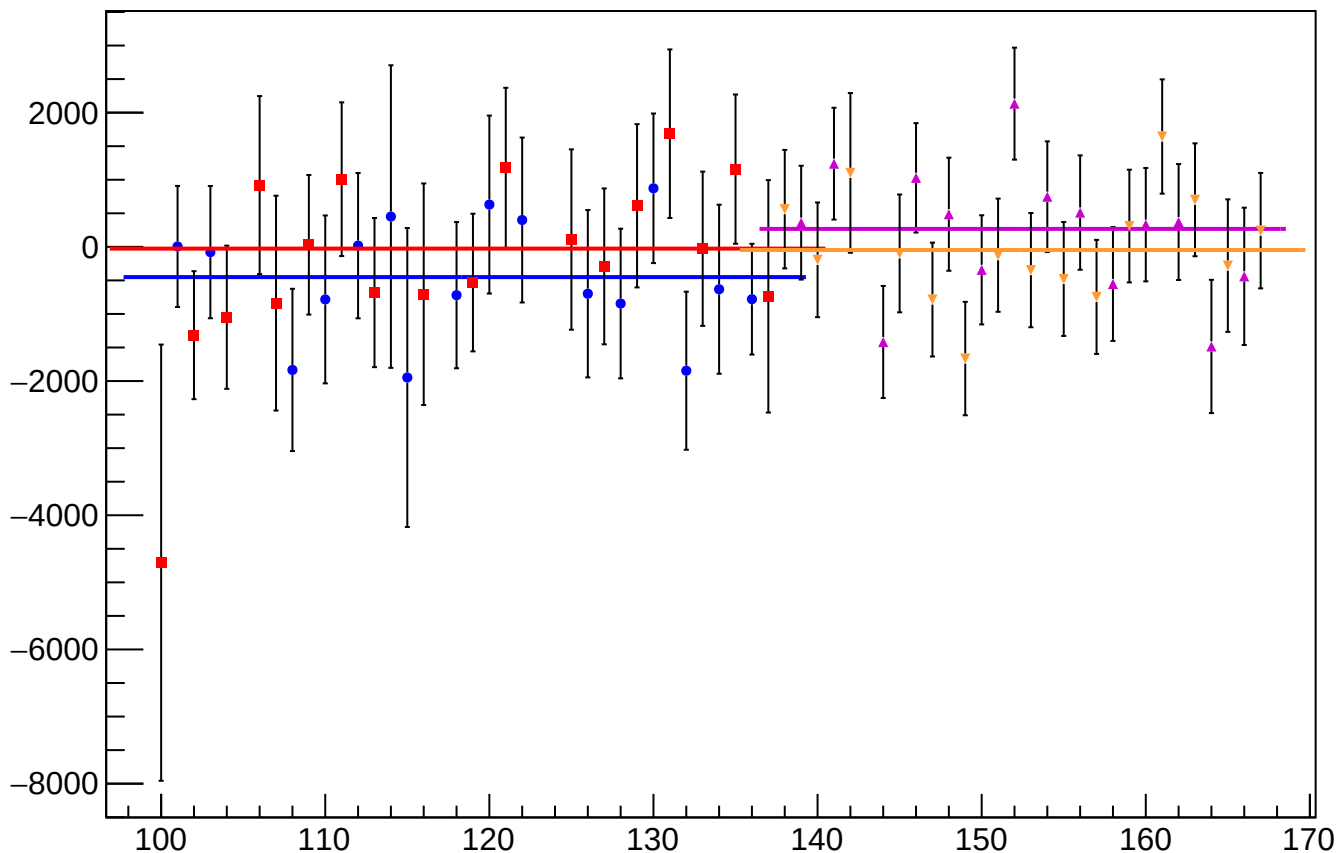
Left In: 526.593 $\pm$ 0.111 χ^2/NDF : 316557.3/13

+ sign 565.359 $\pm$ 0.094 χ^2/NDF : 1960551.9/30

All: 565.527 $\pm$ 0.067 χ^2/NDF : 4064866.7/62

- sign 565.698 $\pm$ 0.095 χ^2/NDF : 2104308.3/31

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -47.477 ± 225.946 χ^2/NDF : 12.0/14

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

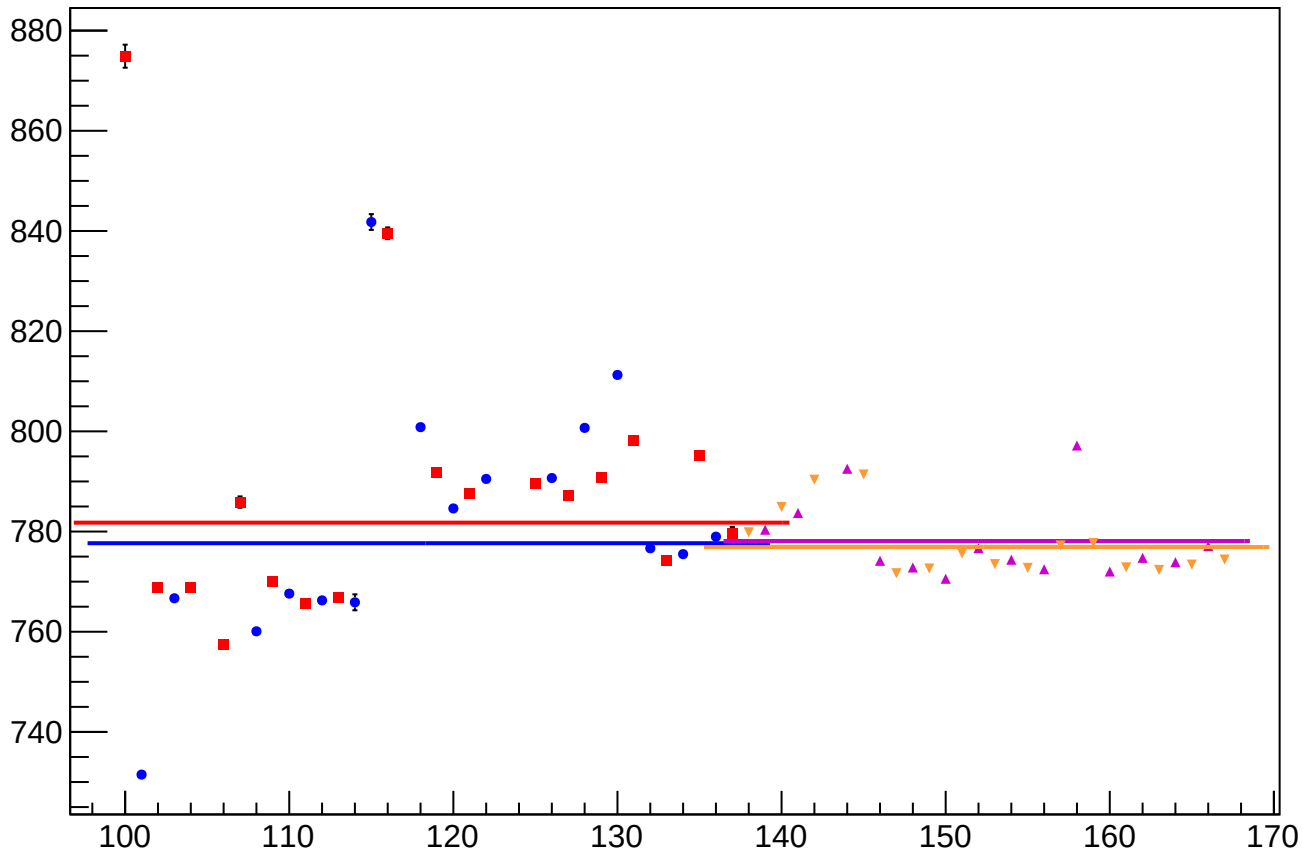
Left In: 267.530 ± 228.986 χ^2/NDF : 16.9/13

+ sign -200.573 ± 177.990 χ^2/NDF : 20.2/30

All: -24.621 ± 126.303 χ^2/NDF : 51.4/62

- sign 153.841 ± 179.256 χ^2/NDF : 29.2/31

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.909 $\pm$ 0.160 χ^2 /NDF:1356.9/14

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

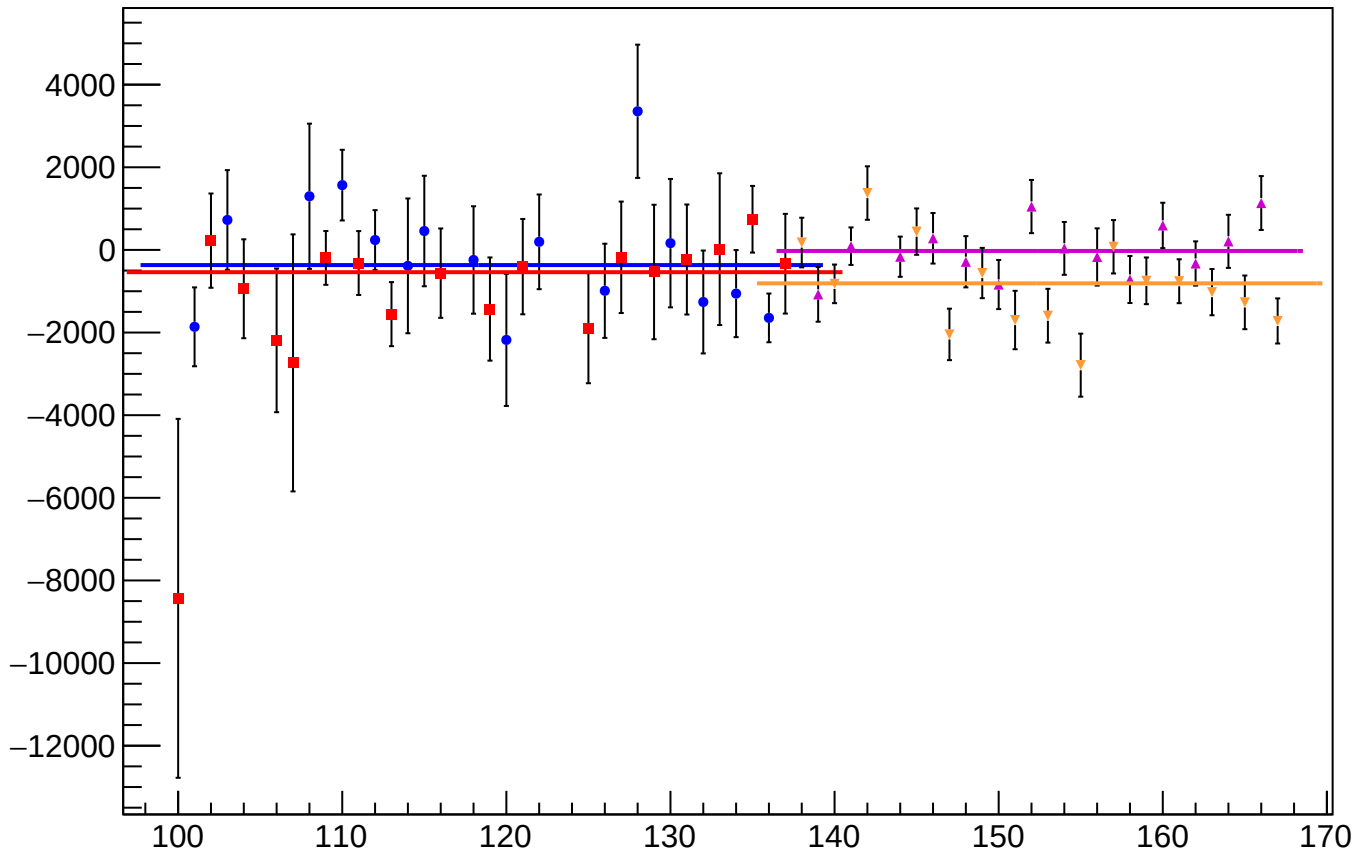
Left In: 778.114 $\pm$ 0.162 χ^2 /NDF:2314.1/13

+ sign 777.199 $\pm$ 0.126 χ^2 /NDF: 13421.1/30

All: 778.357 $\pm$ 0.089 χ^2 /NDF: 23730.1/62

- sign 779.532 $\pm$ 0.127 χ^2 /NDF: 10138.5/31

asym_us_dd_eigen_cor_correction_mean vs Slug



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

Left Out: -809.188 ± 153.821 χ^2/NDF : 38.3/14

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

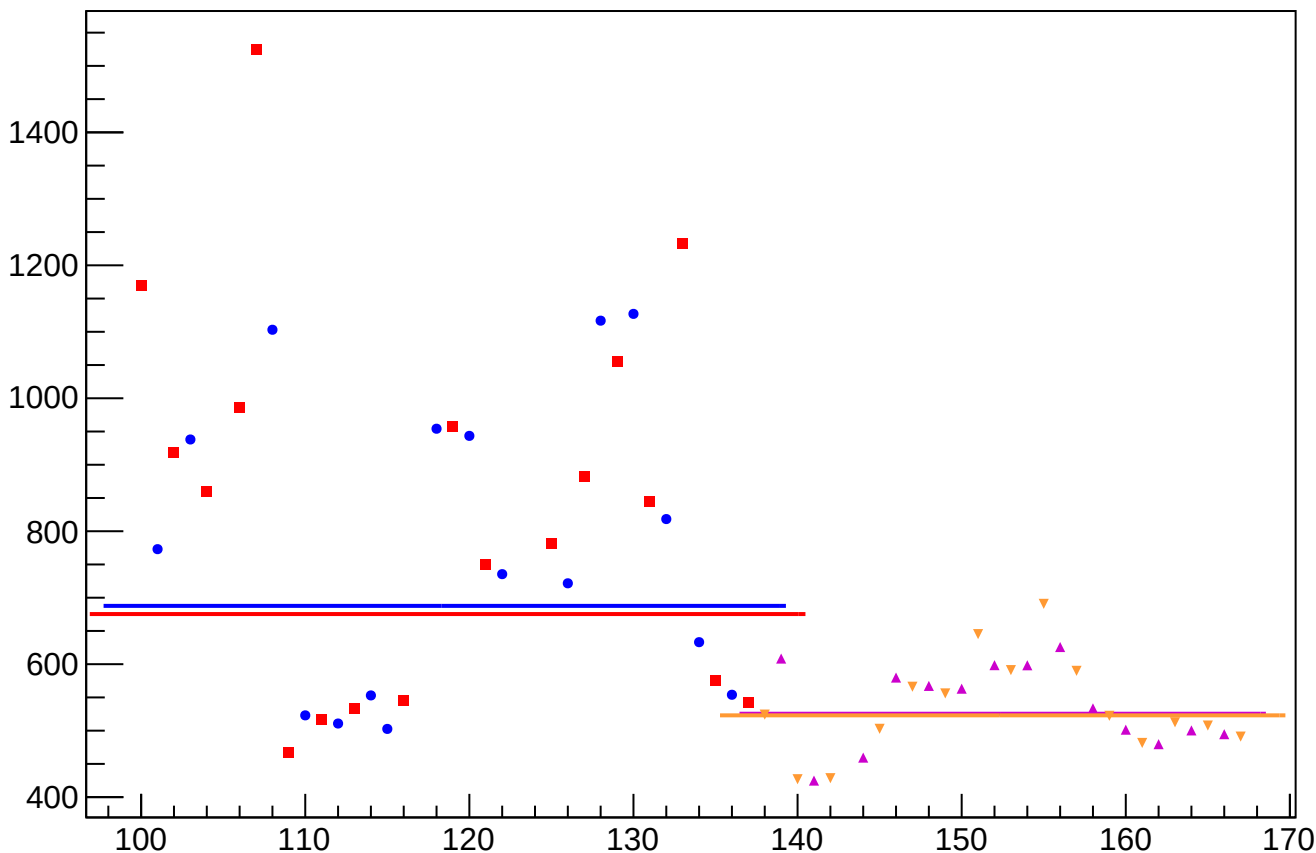
Left In: -25.144 ± 156.045 χ^2/NDF : 14.2/13

+ sign -698.813 ± 133.247 χ^2/NDF : 63.6/30

All: -430.797 ± 94.551 χ^2/NDF : 100.4/62

- sign -158.980 ± 134.189 χ^2/NDF : 28.7/31

asym_us_dd_eigen_cor_correction_rms vs Slug



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

Left Out: 523.038 $\pm$ 0.109 χ^2 /NDF: 365864.4/14

+ sign 564.145 $\pm$ 0.094 χ^2 /NDF: 1969968.9/30

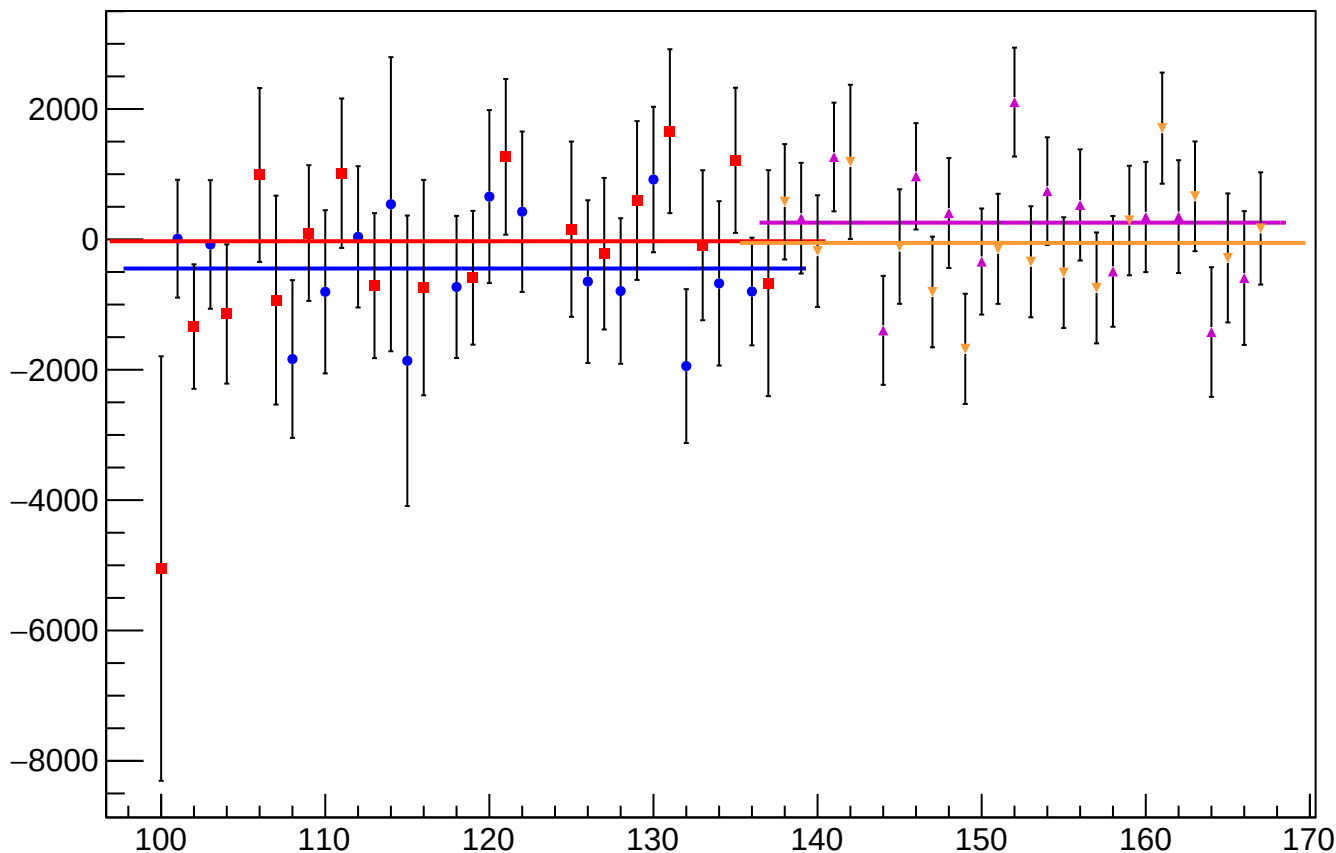
Right Out: 675.410 $\pm$ 0.186 χ^2 /NDF: 1313004.6/17

All: 564.332 $\pm$ 0.067 χ^2 /NDF: 4083598.7/62

Left In: 525.458 $\pm$ 0.110 χ^2 /NDF: 319488.9/13

- sign 564.522 $\pm$ 0.095 χ^2 /NDF: 2113621.8/31

dit_asym_us_dd_mean vs Slug



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

Left Out: -54.220 ± 226.140 χ^2/NDF : 12.5/14

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

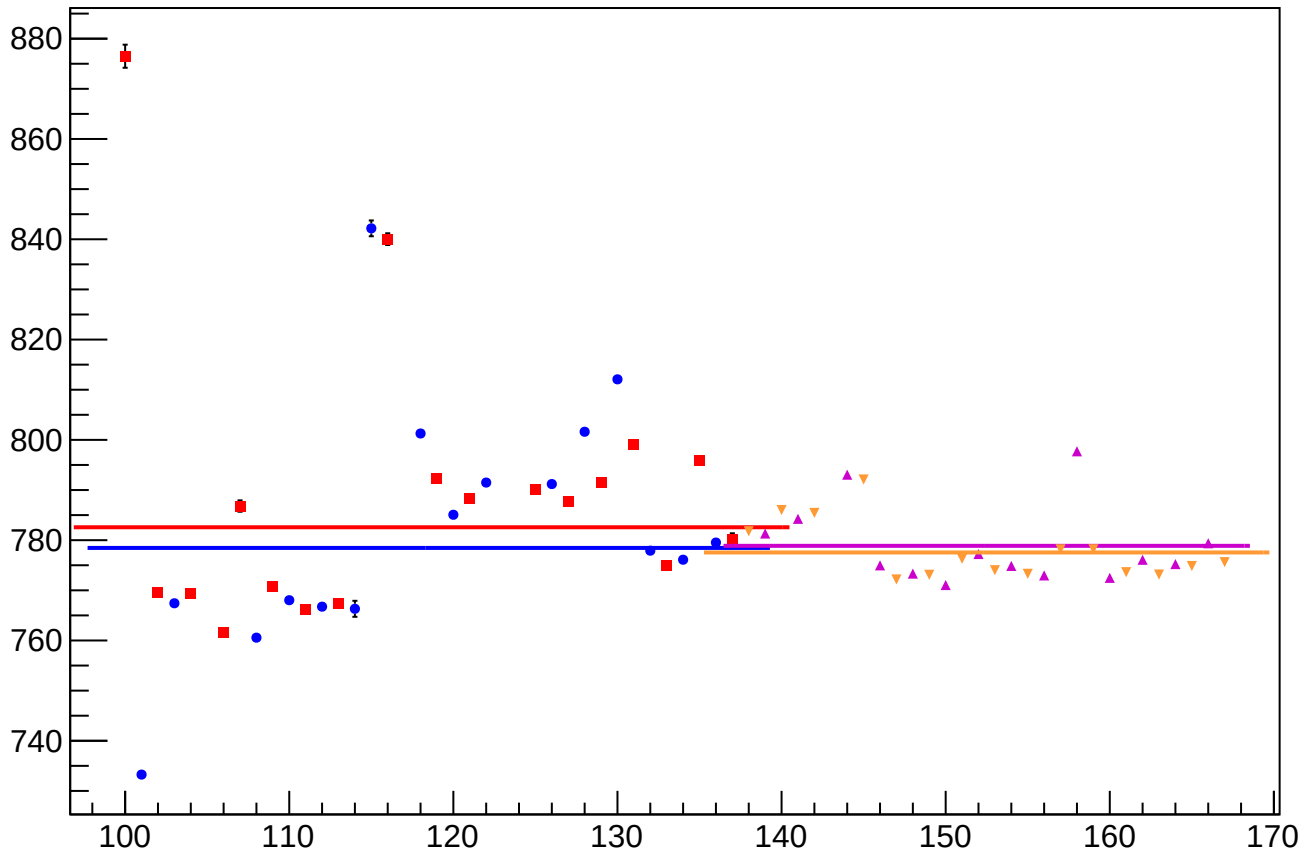
Left In: 256.506 ± 229.210 χ^2/NDF : 16.4/13

+ sign -203.102 ± 178.152 χ^2/NDF : 20.9/30

All: -29.777 ± 126.423 χ^2/NDF : 52.4/62

- sign 146.049 ± 179.434 χ^2/NDF : 29.6/31

dit_asym_us_dd_rms vs Slug



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

Left Out: 777.550 ± 0.160 χ^2/NDF : 1227.7/14

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

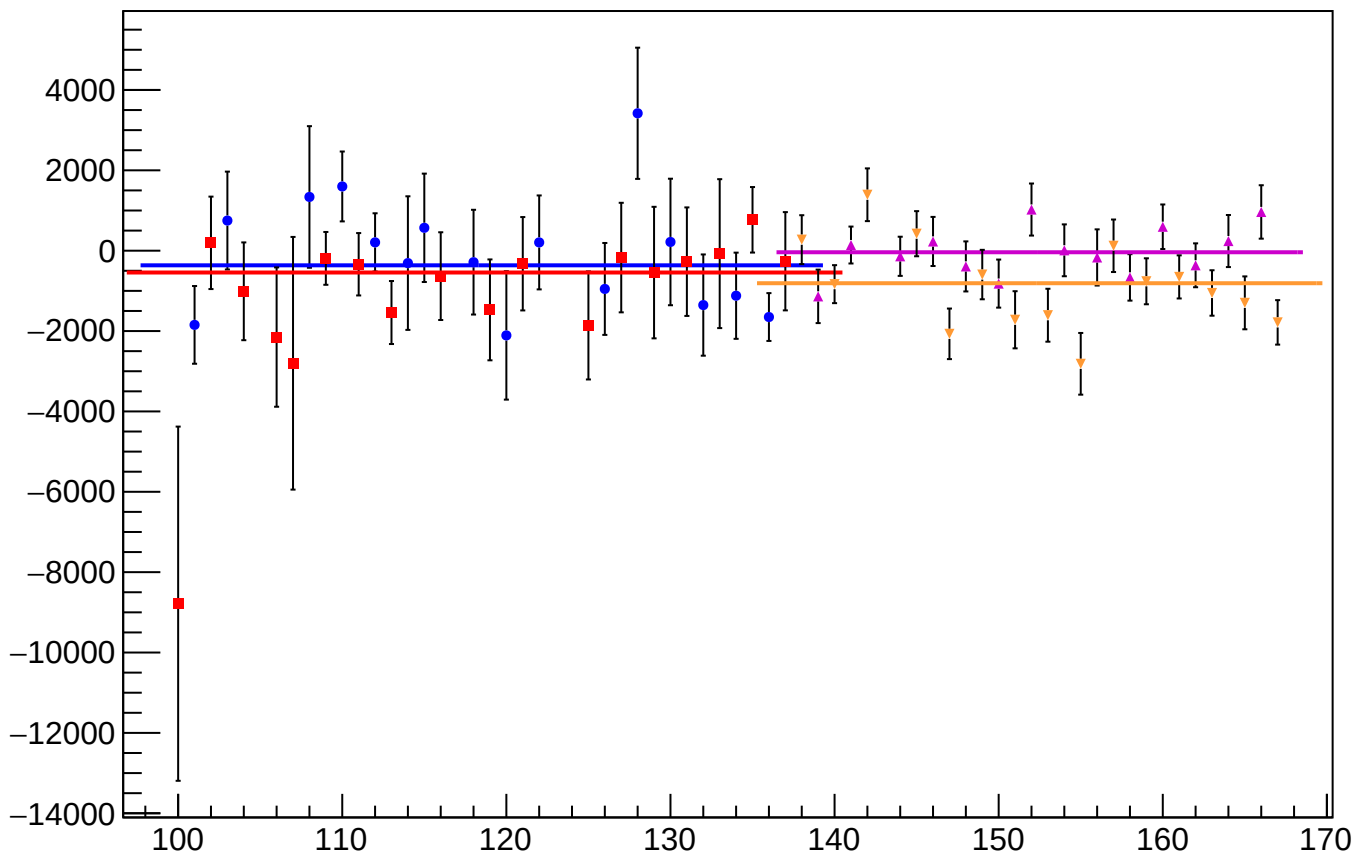
Left In: 778.874 ± 0.162 χ^2/NDF : 2290.5/13

+ sign 777.894 ± 0.126 χ^2/NDF : 13035.0/30

All: 779.092 ± 0.089 χ^2/NDF : 23191.1/62

- sign 780.307 ± 0.127 χ^2/NDF : 9973.8/31

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -809.495 ± 155.425 χ^2/NDF : 39.3/14

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

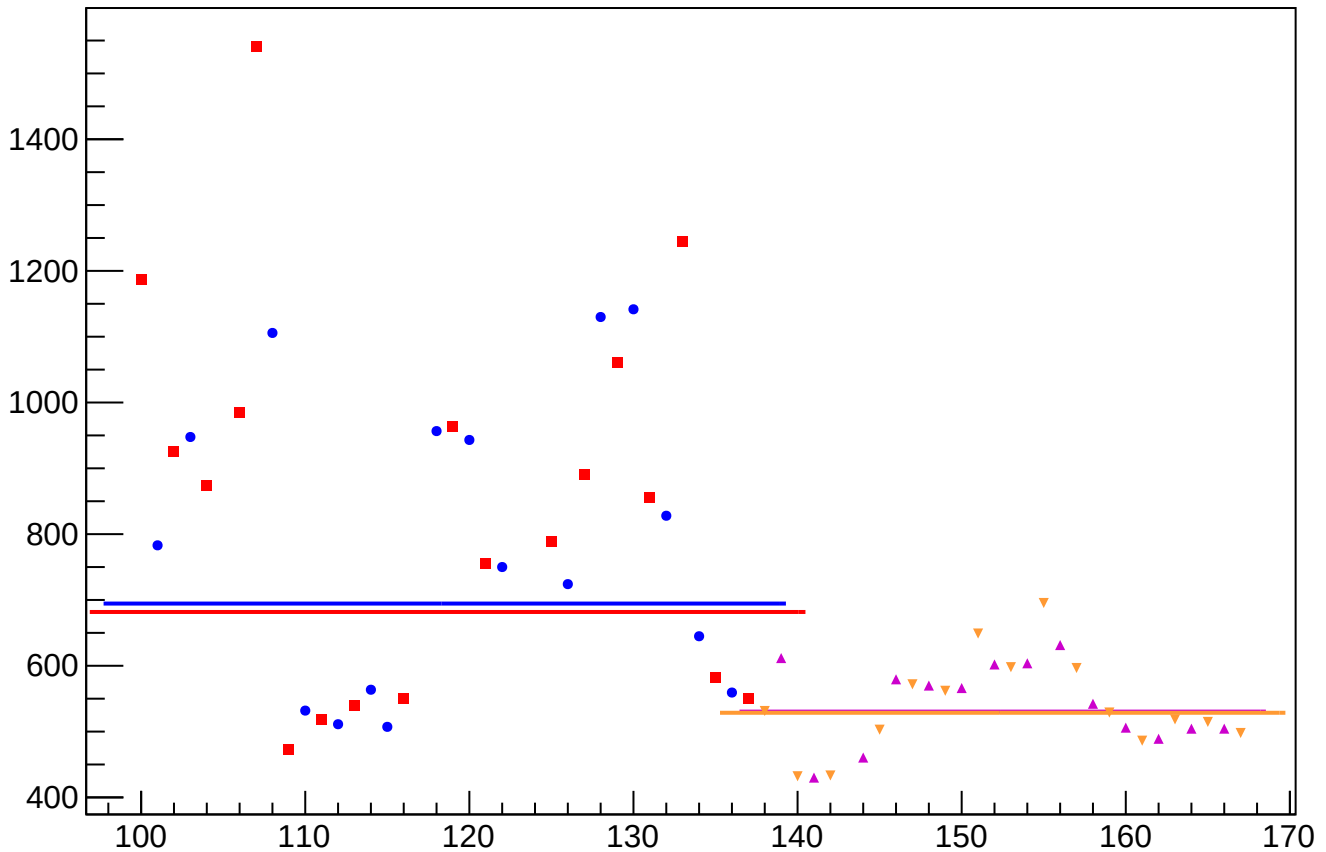
Left In: -38.910 ± 157.442 χ^2/NDF : 13.2/13

+ sign -698.185 ± 134.616 χ^2/NDF : 64.6/30

All: -435.703 ± 95.461 χ^2/NDF : 99.9/62

- sign -170.190 ± 135.392 χ^2/NDF : 27.6/31

asym_us_dd_dit_correction_rms vs Slug



Right In: 694.522 ± 0.190 $\chi^2/\text{NDF}: 1029884.9/15$

Left Out: 528.598 ± 0.110 $\chi^2/\text{NDF}: 360744.1/14$

+ sign 570.054 ± 0.095 $\chi^2/\text{NDF}: 1960106.2/30$

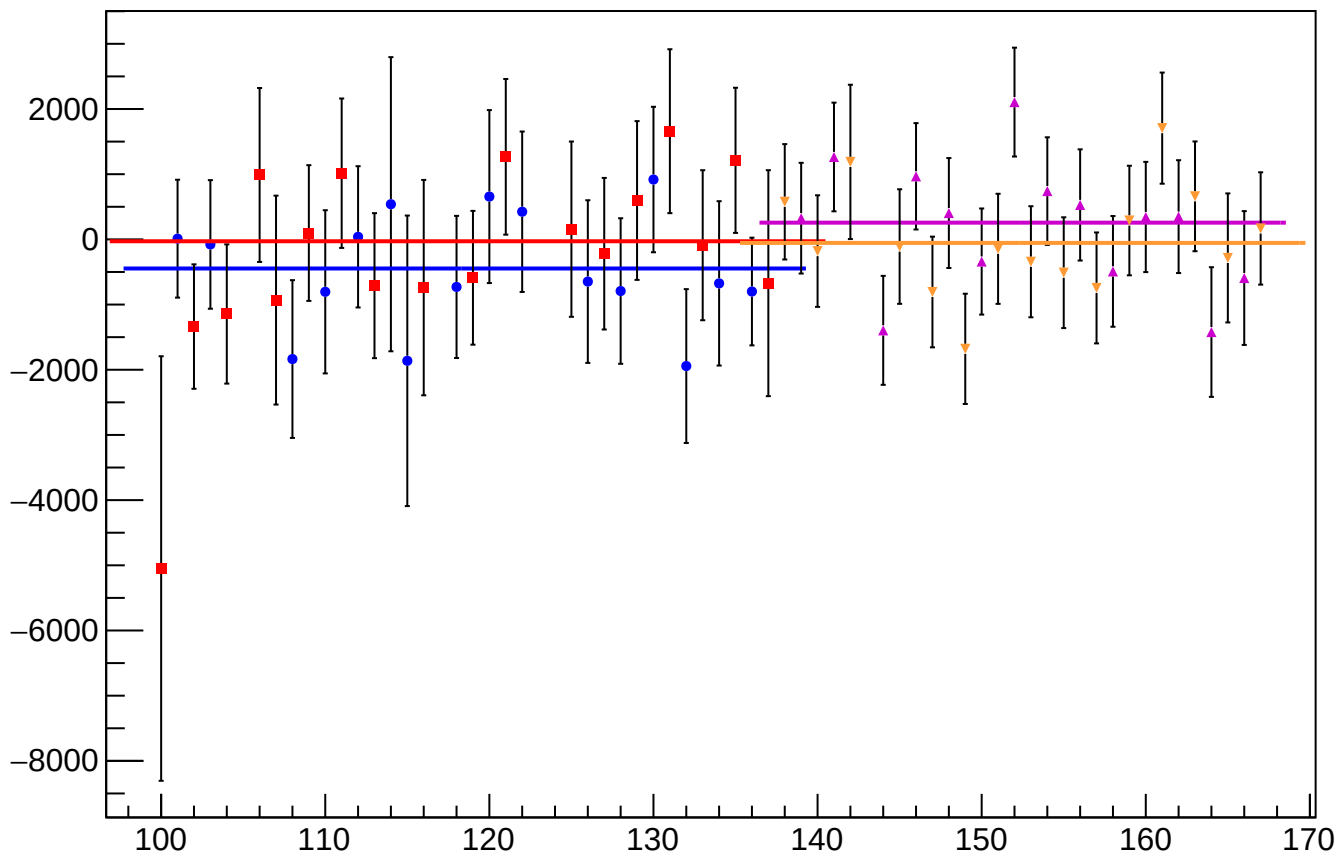
Right Out: 681.744 ± 0.188 $\chi^2/\text{NDF}: 1311322.6/17$

All: 569.926 ± 0.068 $\chi^2/\text{NDF}: 4062080.2/62$

- sign 569.797 ± 0.096 $\chi^2/\text{NDF}: 2101970.4/31$

Left In: 530.363 ± 0.111 $\chi^2/\text{NDF}: 309005.1/13$

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -54.221+/-226.140 χ^2/NDF : 12.5/14

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

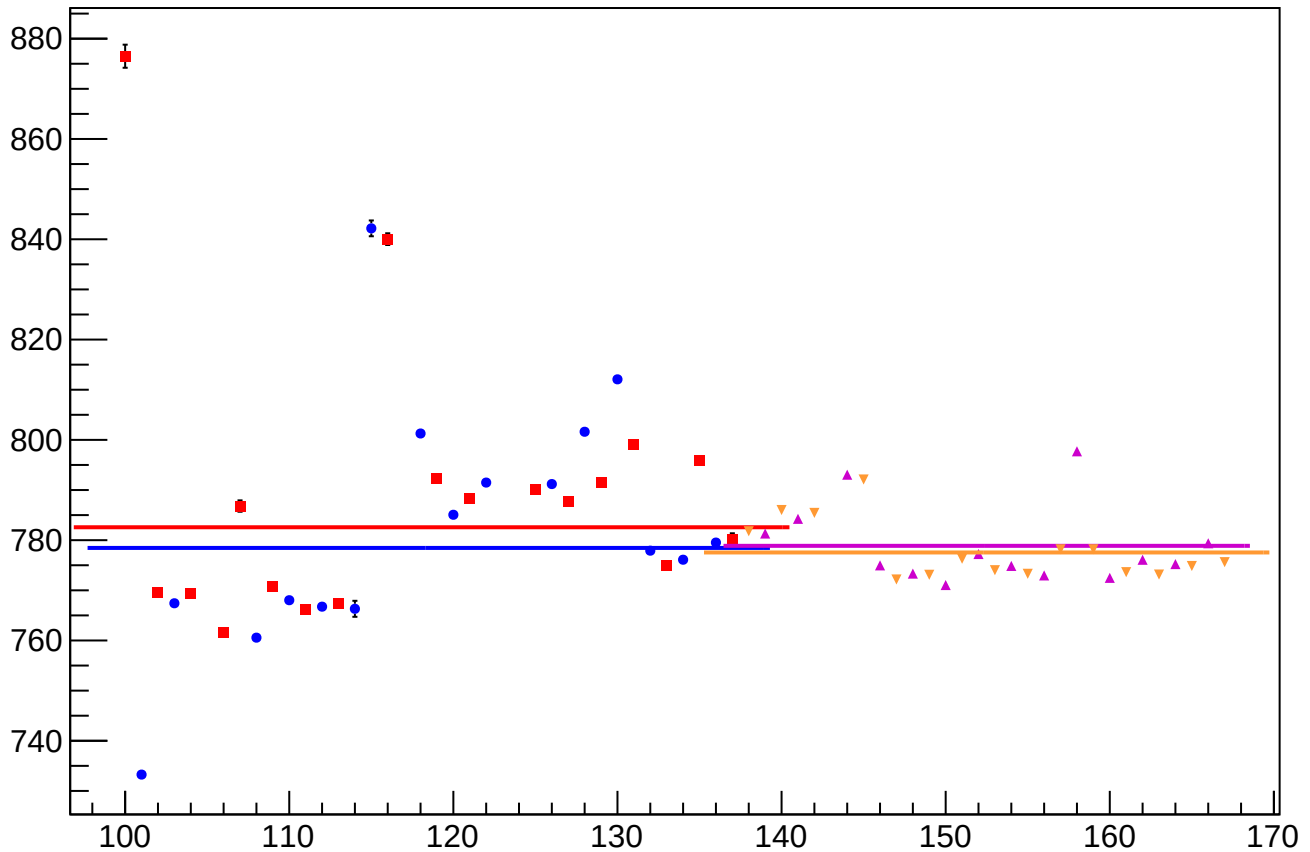
Left In: 256.505+/-229.210 χ^2/NDF : 16.4/13

+ sign -203.103+/-178.152 χ^2/NDF : 20.9/30

All: -29.777+/-126.423 χ^2/NDF : 52.4/62

- sign 146.049+/-179.434 χ^2/NDF : 29.6/31

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 777.550 ± 0.160 χ^2/NDF : 1227.7/14

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

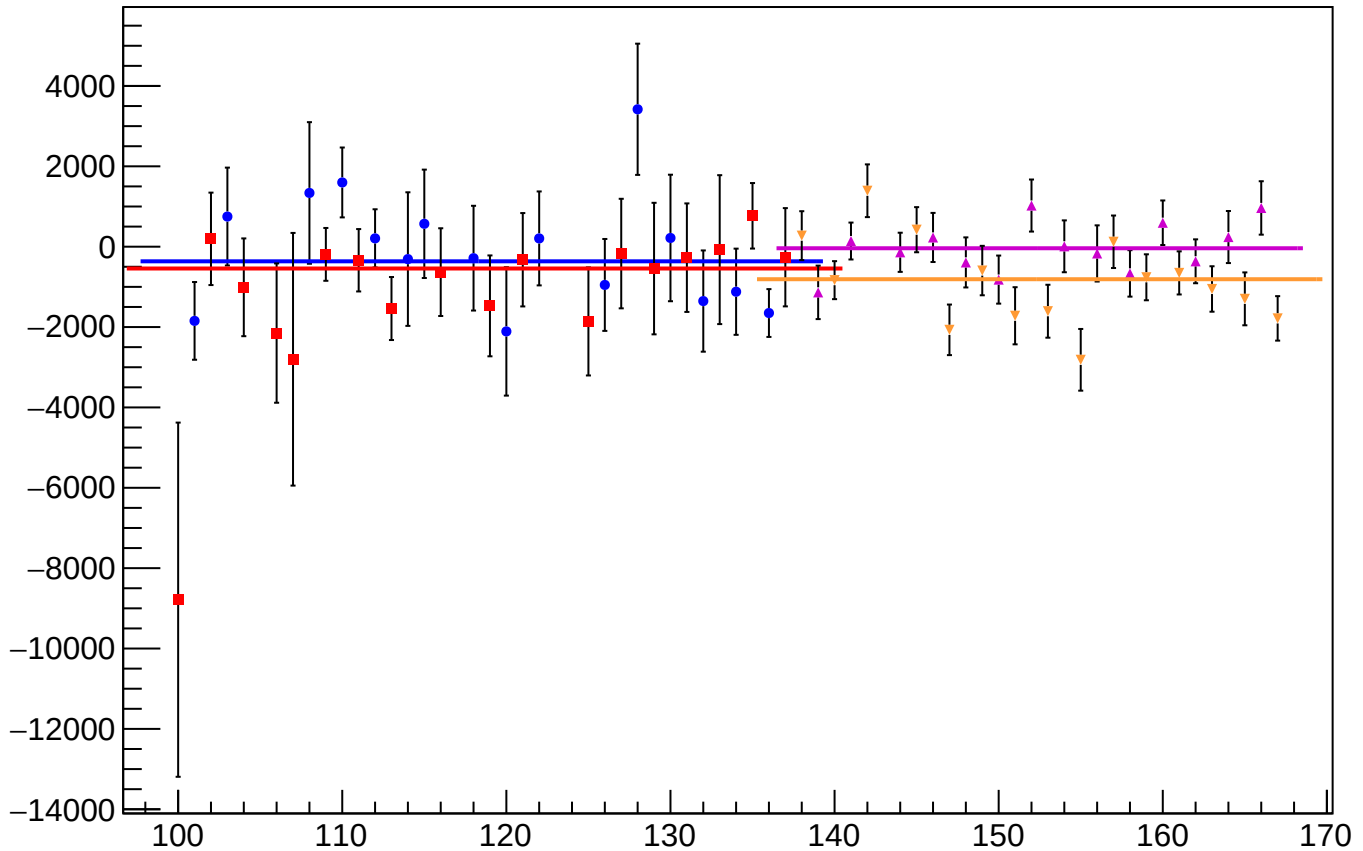
Left In: 778.874 ± 0.162 χ^2/NDF : 2290.5/13

+ sign 777.894 ± 0.126 χ^2/NDF : 13035.0/30

All: 779.092 ± 0.089 χ^2/NDF : 23191.0/62

- sign 780.307 ± 0.127 χ^2/NDF : 9973.8/31

asym_us_dd_eigen_dit_correction_mean vs Slug



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

Left Out: -809.495 ± 155.425 χ^2/NDF : 39.3/14

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

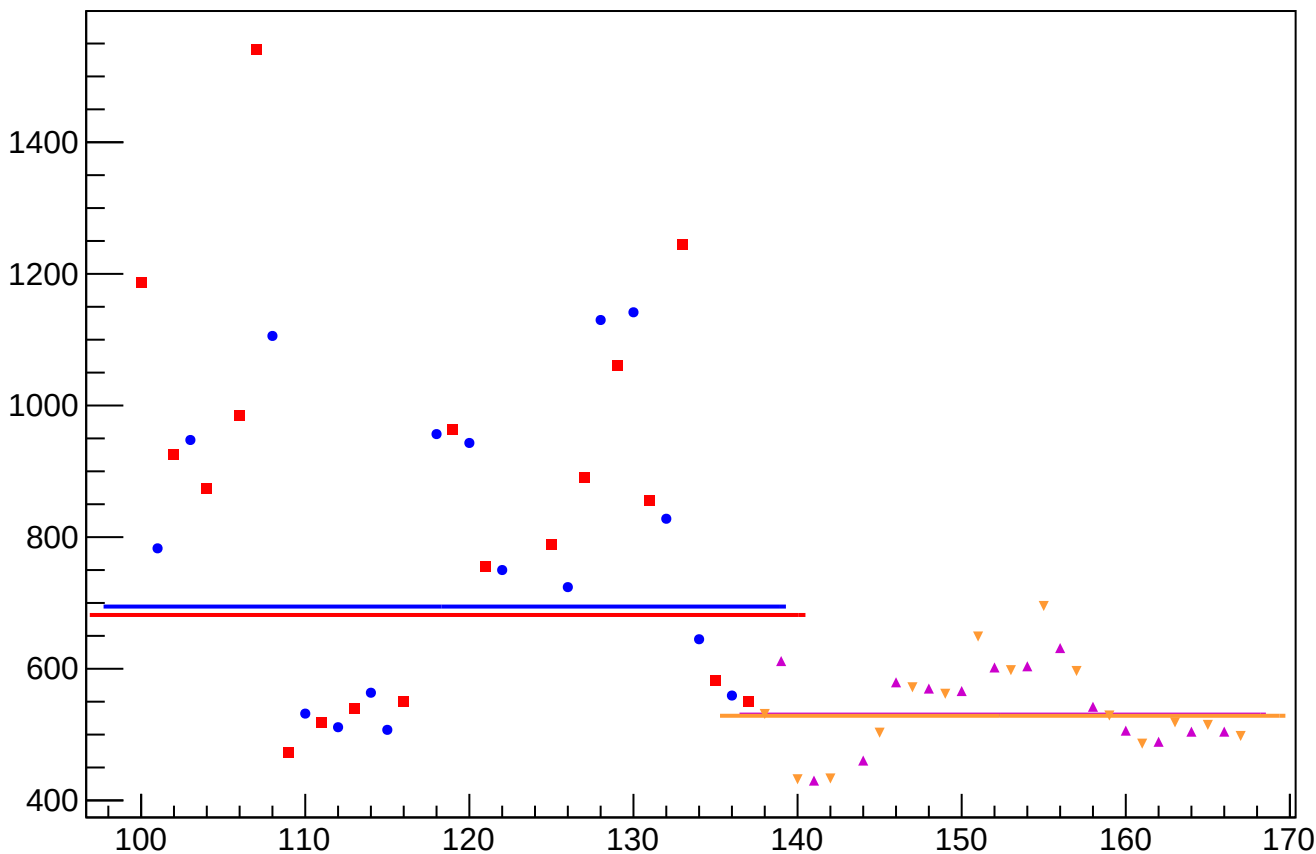
Left In: -38.908 ± 157.442 χ^2/NDF : 13.2/13

+ sign -698.182 ± 134.616 χ^2/NDF : 64.6/30

All: -435.702 ± 95.461 χ^2/NDF : 99.9/62

- sign -170.190 ± 135.391 χ^2/NDF : 27.6/31

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 694.519 $\pm$ 0.190 χ^2 /NDF: 1029897.1/15

Left Out: 528.598 $\pm$ 0.110 χ^2 /NDF: 360756.6/14

Right Out: 681.740 $\pm$ 0.188 χ^2 /NDF: 1311342.6/17

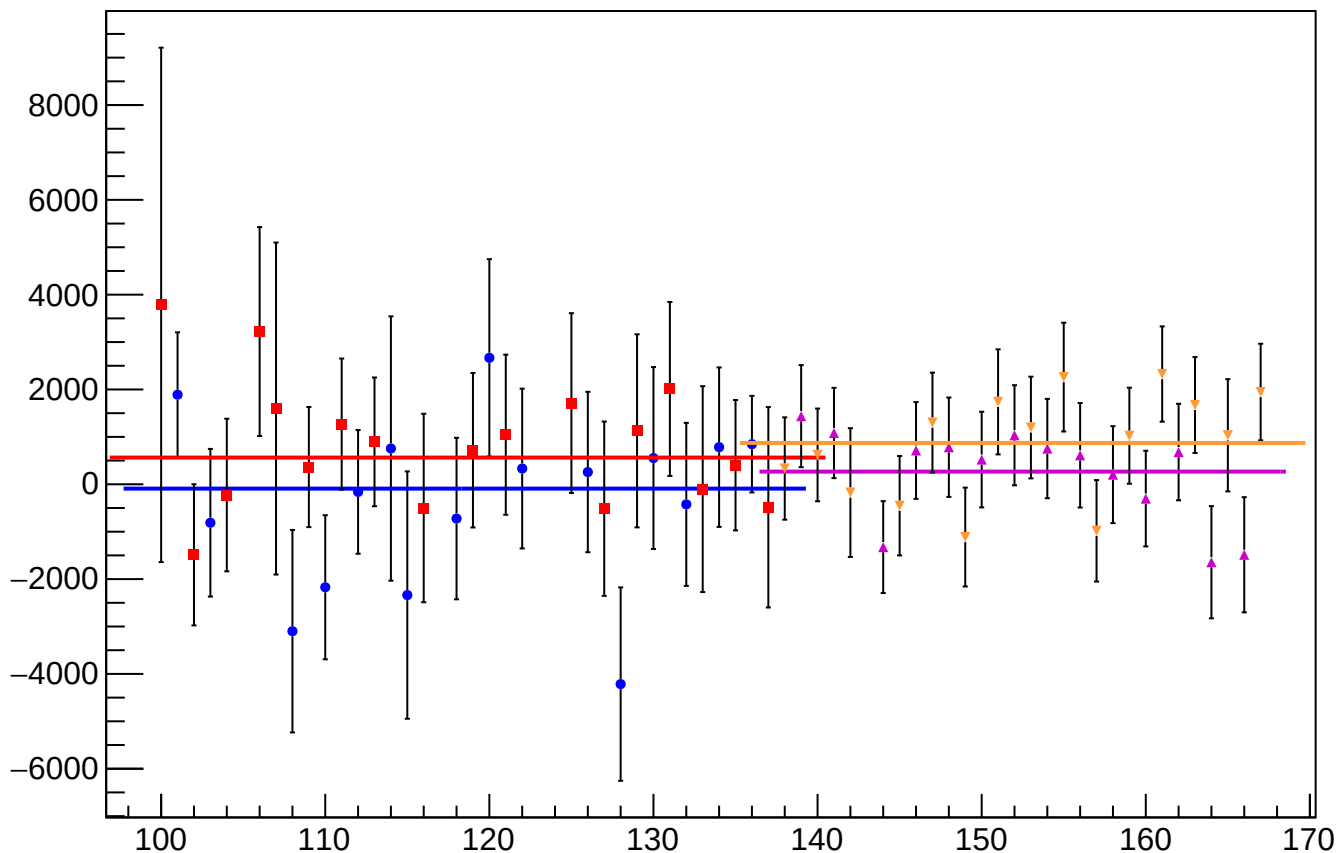
Left In: 530.363 $\pm$ 0.111 χ^2 /NDF: 309017.7/13

+ sign 570.053 $\pm$ 0.095 χ^2 /NDF: 1960110.2/30

All: 569.925 $\pm$ 0.068 χ^2 /NDF: 4062098.0/62

- sign 569.796 $\pm$ 0.096 χ^2 /NDF: 2101984.1/31

asym_us_dd_mean vs Slug



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

Left Out: 872.301 ± 276.165 χ^2/NDF : 15.3/14

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

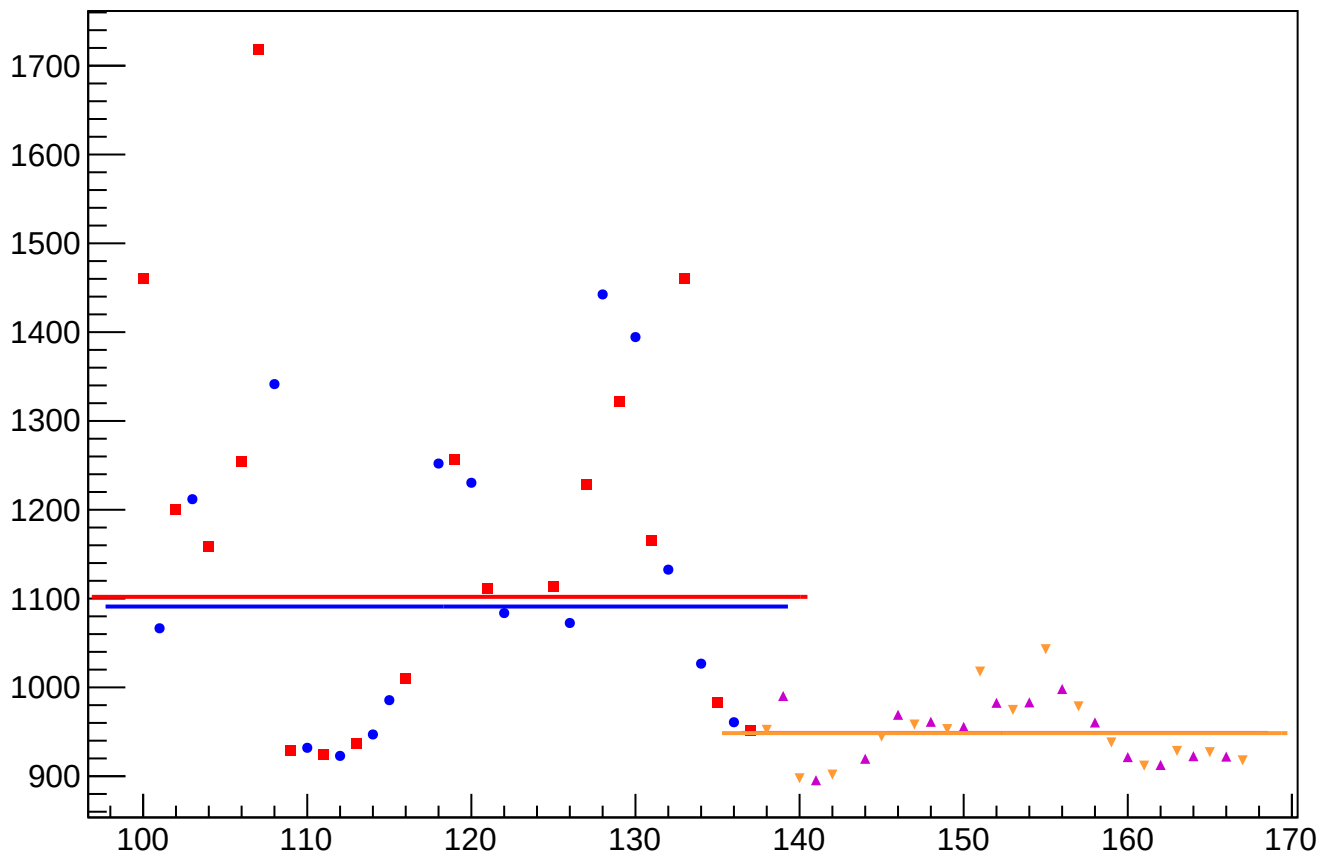
Left In: 267.351 ± 279.400 χ^2/NDF : 11.1/13

+ sign 571.515 ± 229.043 χ^2/NDF : 33.7/30

All: 467.086 ± 162.703 χ^2/NDF : 52.1/62

- sign 360.713 ± 231.164 χ^2/NDF : 18.0/31

asym_us_dd_rms vs Slug



Right In: 1091.041 $\pm$ 0.290 χ^2 /NDF: 277304.9/15

Left Out: 948.503 $\pm$ 0.195 χ^2 /NDF: 38302.8/14

Right Out: 1101.953 $\pm$ 0.291 χ^2 /NDF: 328107.6/17

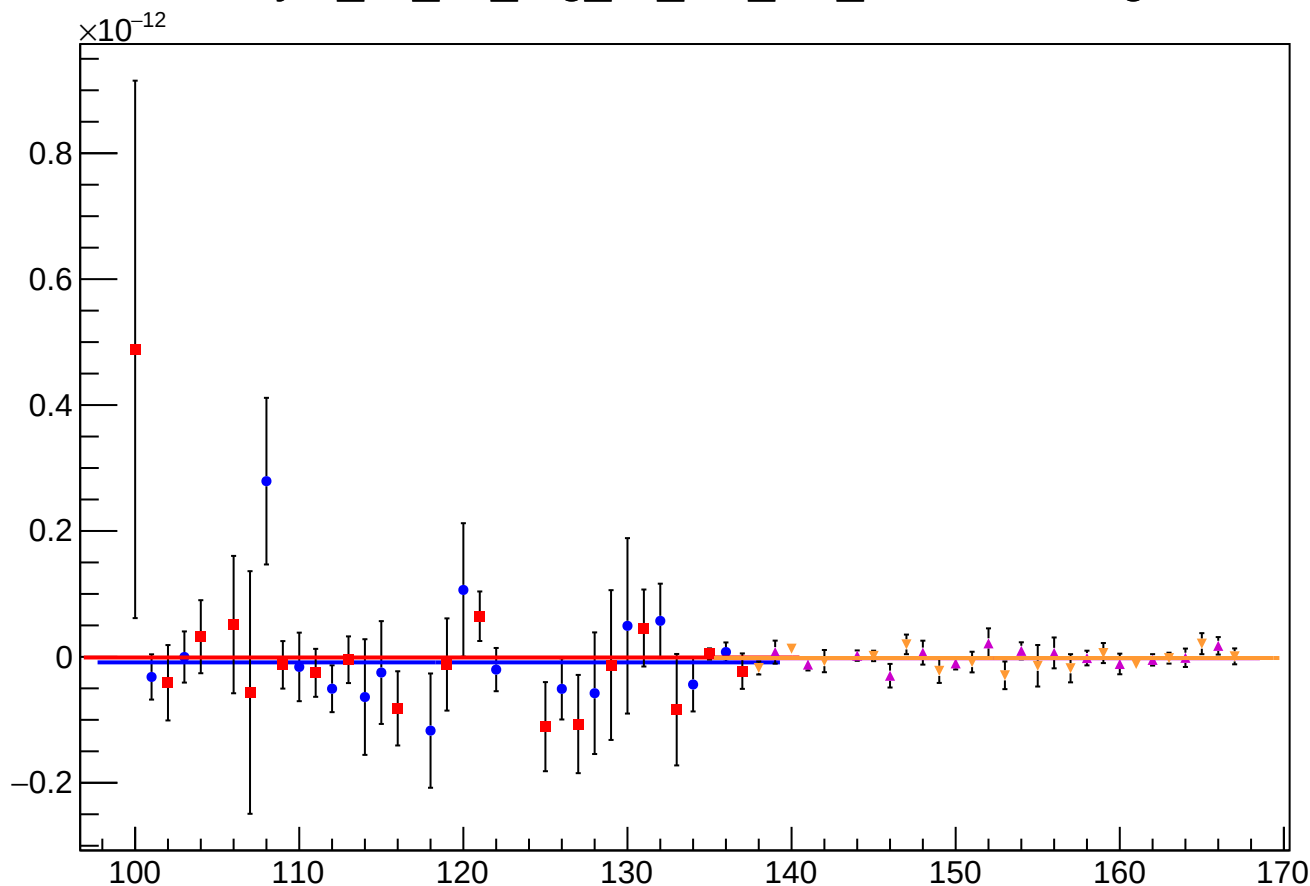
Left In: 948.702 $\pm$ 0.198 χ^2 /NDF: 26646.0/13

+ sign 992.995 $\pm$ 0.162 χ^2 /NDF: 481915.9/30

All: 995.004 $\pm$ 0.115 χ^2 /NDF: 1026802.1/62

- sign 997.049 $\pm$ 0.163 χ^2 /NDF: 544575.9/31

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 : 15.4/14

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

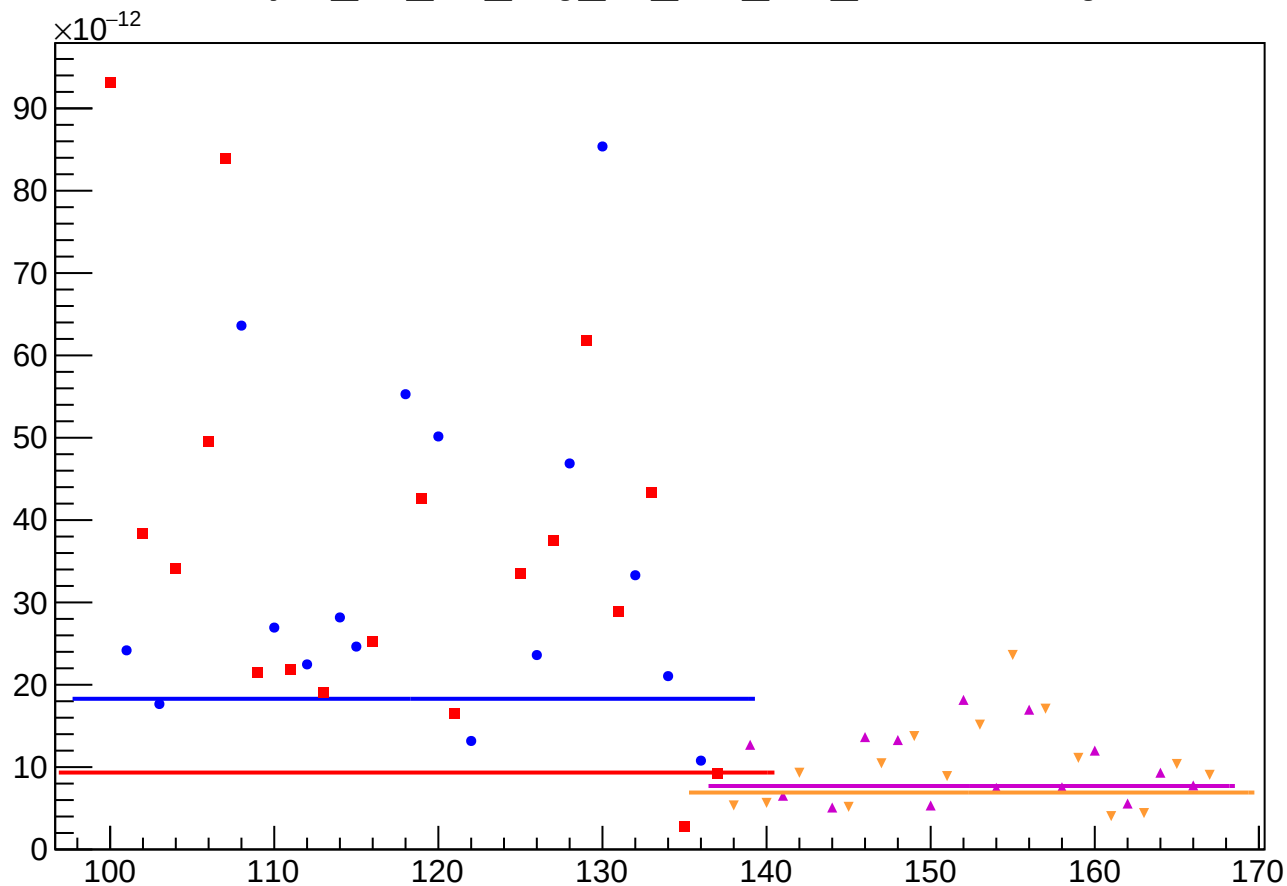
Left In: -0.000 ± 0.000 χ^2/NDF : 9.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 29.7/30

All: -0.000 ± 0.000 χ^2/NDF : 53.1/62

- sign -0.000 ± 0.000 χ^2/NDF : 23.4/31

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 : 2555005.6/14

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

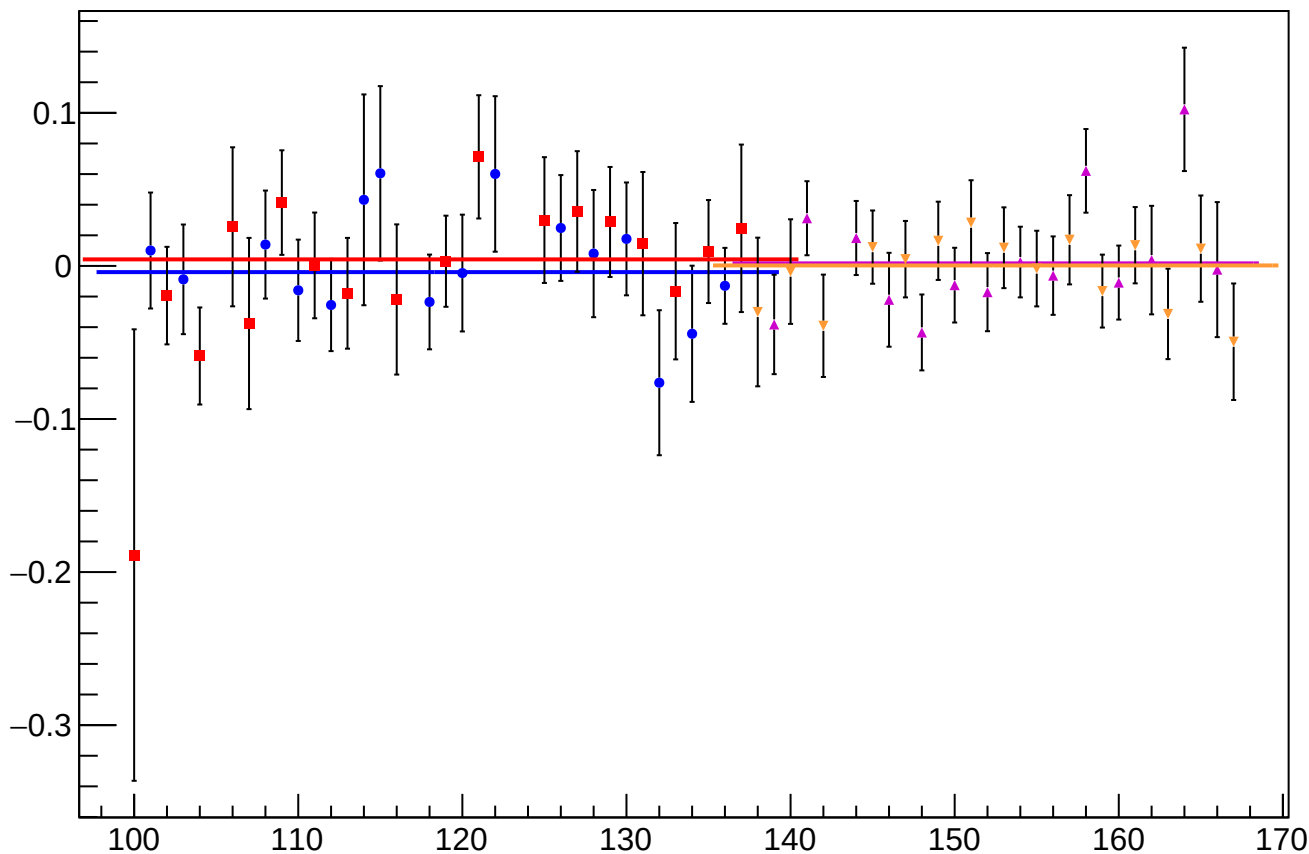
Left In: 0.000+/-0.000 χ^2/NDF : 1819564.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 7063133.9/30

All: 0.000+/-0.000 χ^2/NDF : 14107462.1/62

- sign 0.000+/-0.000 χ^2/NDF : 7042619.8/31

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 ± 0.007 χ^2/NDF : 7.8/14

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

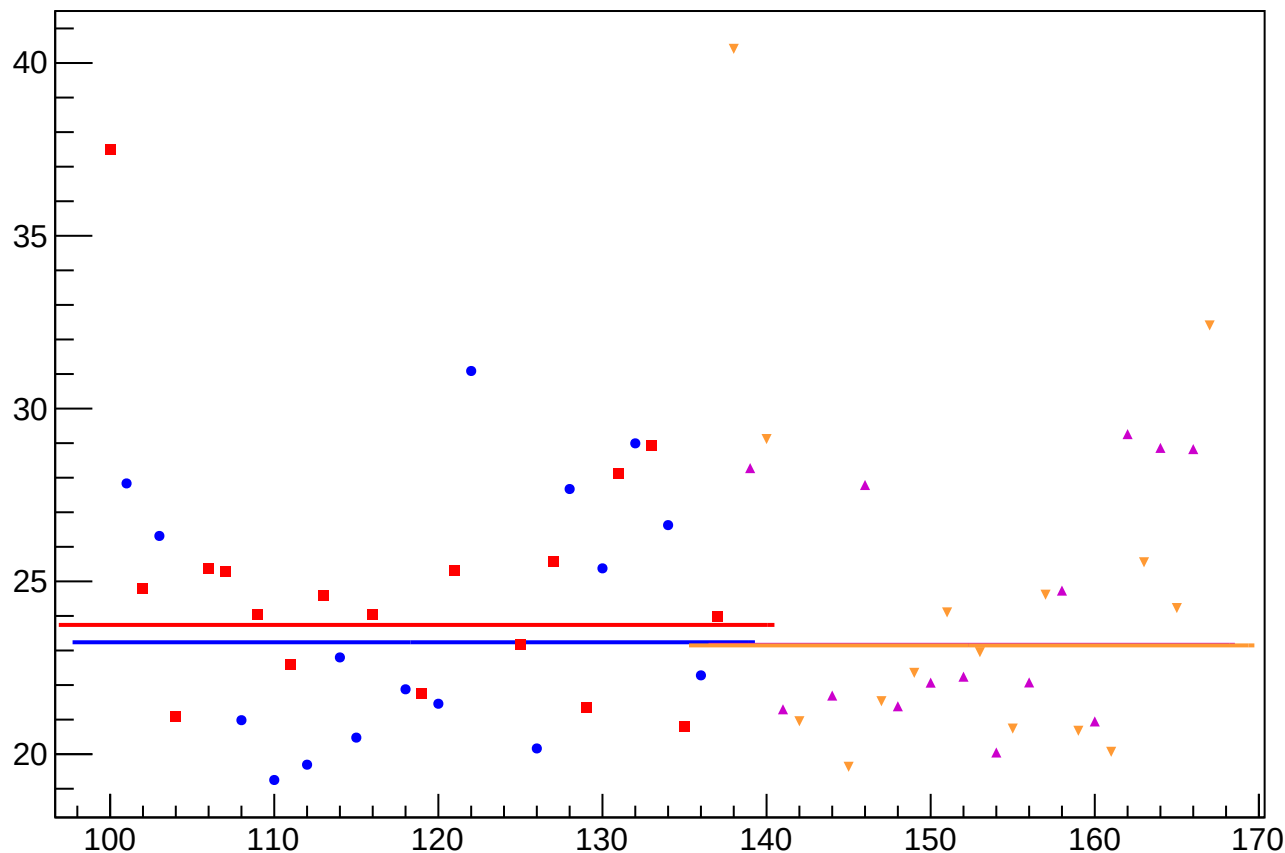
Left In: 0.002 ± 0.007 χ^2/NDF : 19.8/13

+ sign -0.001 ± 0.006 χ^2/NDF : 17.1/30

All: 0.001 ± 0.004 χ^2/NDF : 50.6/62

- sign 0.003 ± 0.006 χ^2/NDF : 33.3/31

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 $\chi^2/\text{NDF}: 259235.5/15$

Left Out: 23.148+/-0.005 $\chi^2/\text{NDF}: 587962.1/14$

Right Out: 23.740+/-0.007 $\chi^2/\text{NDF}: 126183.6/17$

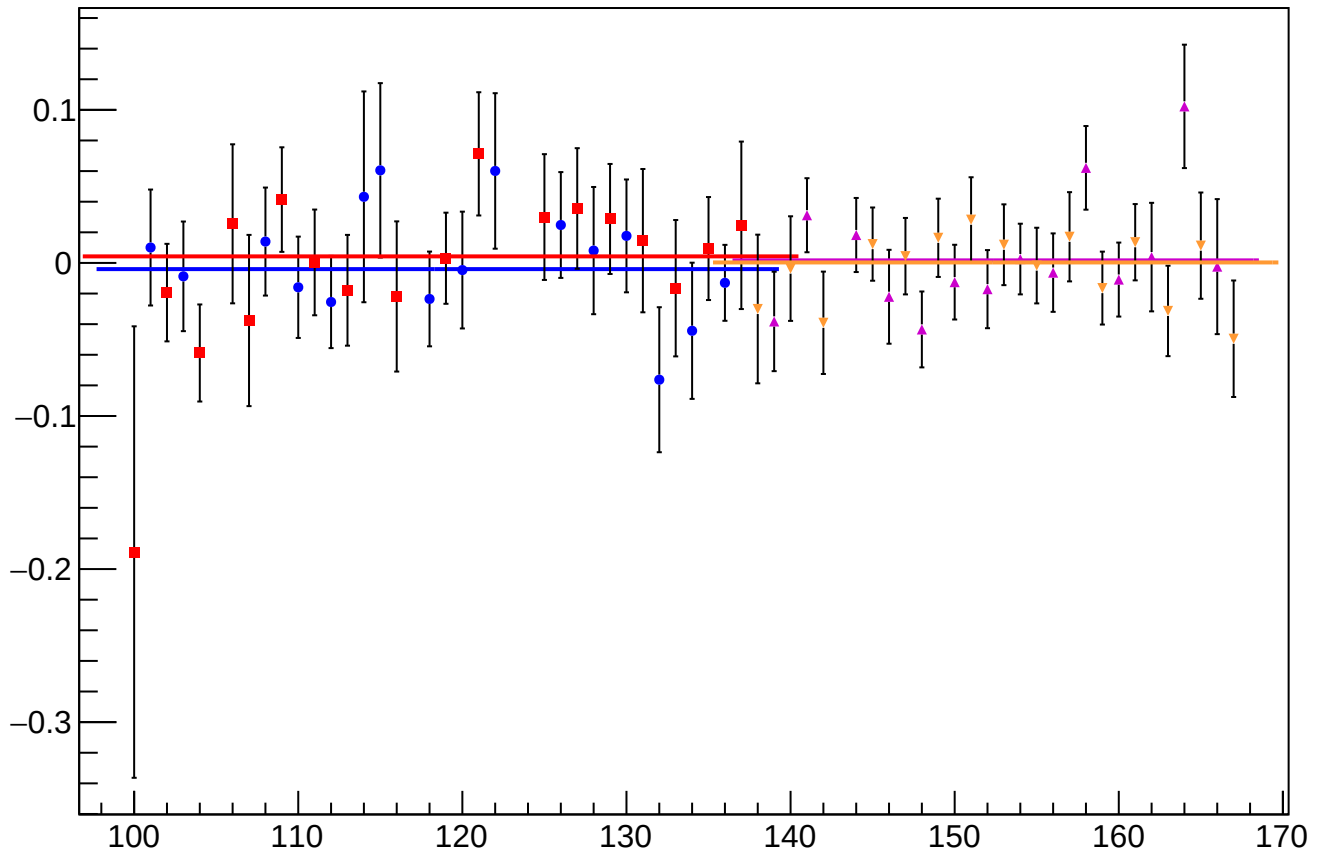
Left In: 23.164+/-0.005 $\chi^2/\text{NDF}: 326773.5/13$

+ sign 23.182+/-0.004 $\chi^2/\text{NDF}: 847314.6/30$

All: 23.283+/-0.003 $\chi^2/\text{NDF}: 1306229.6/62$

- sign 23.384+/-0.004 $\chi^2/\text{NDF}: 457681.9/31$

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.000 ± 0.007 χ^2/NDF : 7.8/14

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

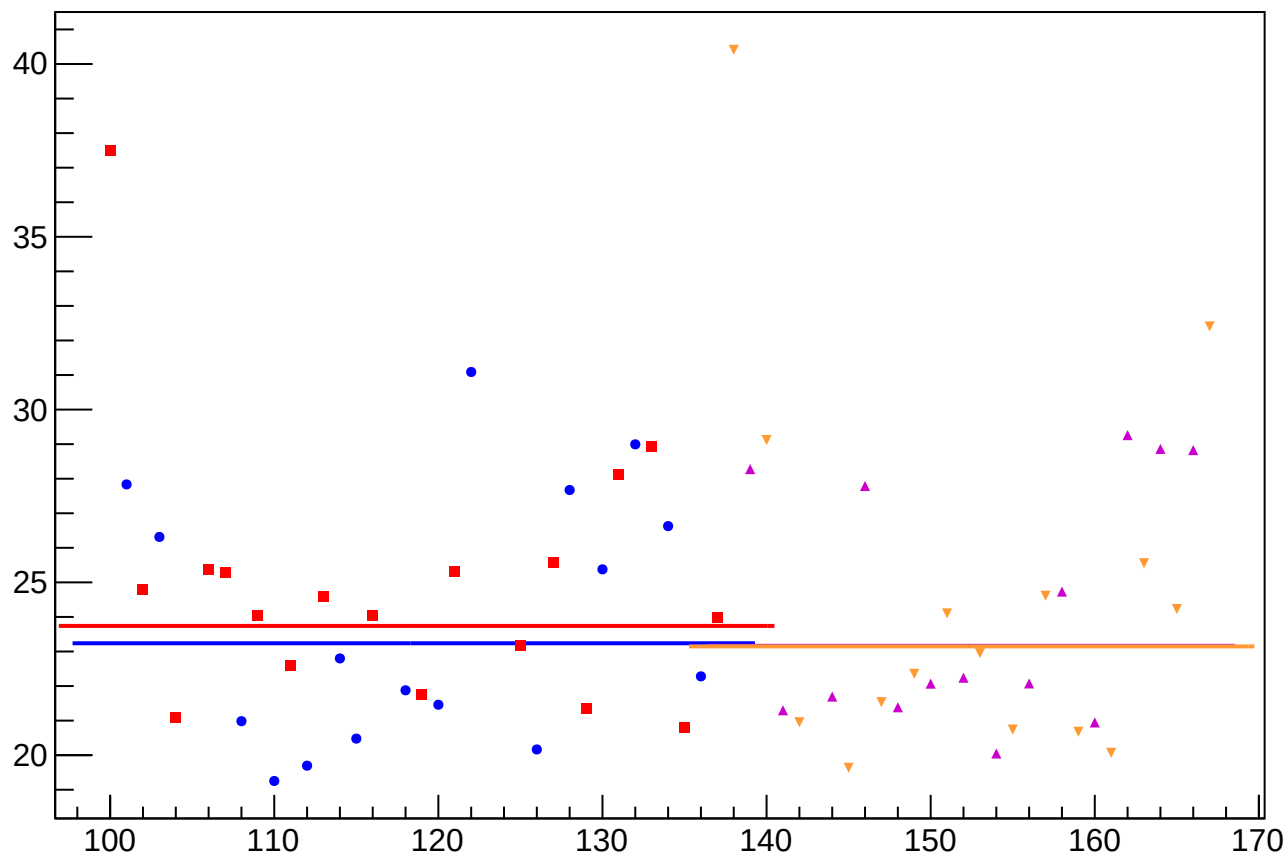
Left In: 0.002 ± 0.007 χ^2/NDF : 19.8/13

+ sign -0.001 ± 0.006 χ^2/NDF : 17.1/30

All: 0.001 ± 0.004 χ^2/NDF : 50.6/62

- sign 0.003 ± 0.006 χ^2/NDF : 33.3/31

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: 23.148 $\pm$ 0.005 χ^2/NDF : 587962.1/14

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

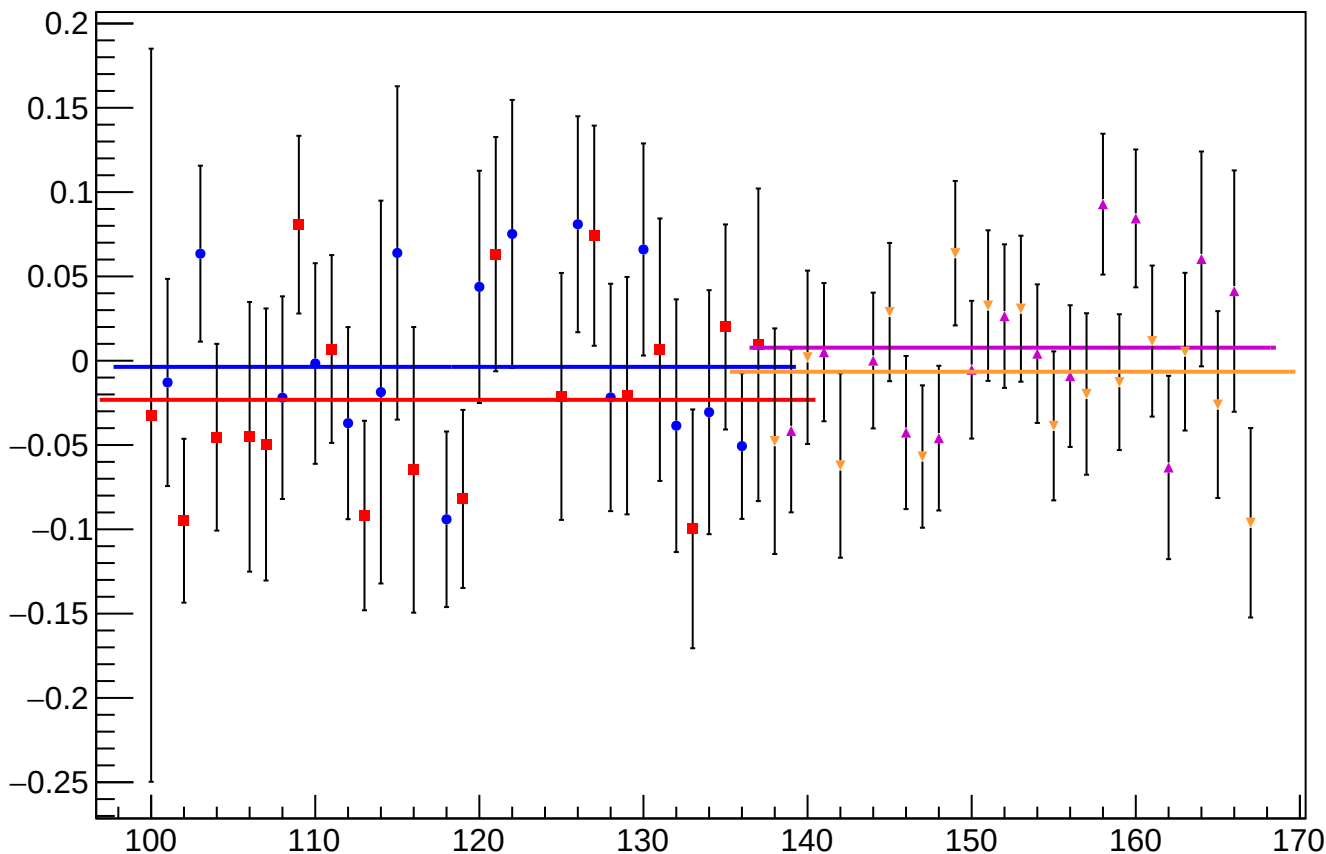
Left In: 23.164 $\pm$ 0.005 χ^2/NDF : 326773.5/13

+ sign 23.182 $\pm$ 0.004 χ^2/NDF : 847314.6/30

All: 23.283 $\pm$ 0.003 χ^2/NDF : 1306229.6/62

- sign 23.384 $\pm$ 0.004 χ^2/NDF : 457681.9/31

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: -0.007 ± 0.012 χ^2/NDF : 11.3/14

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

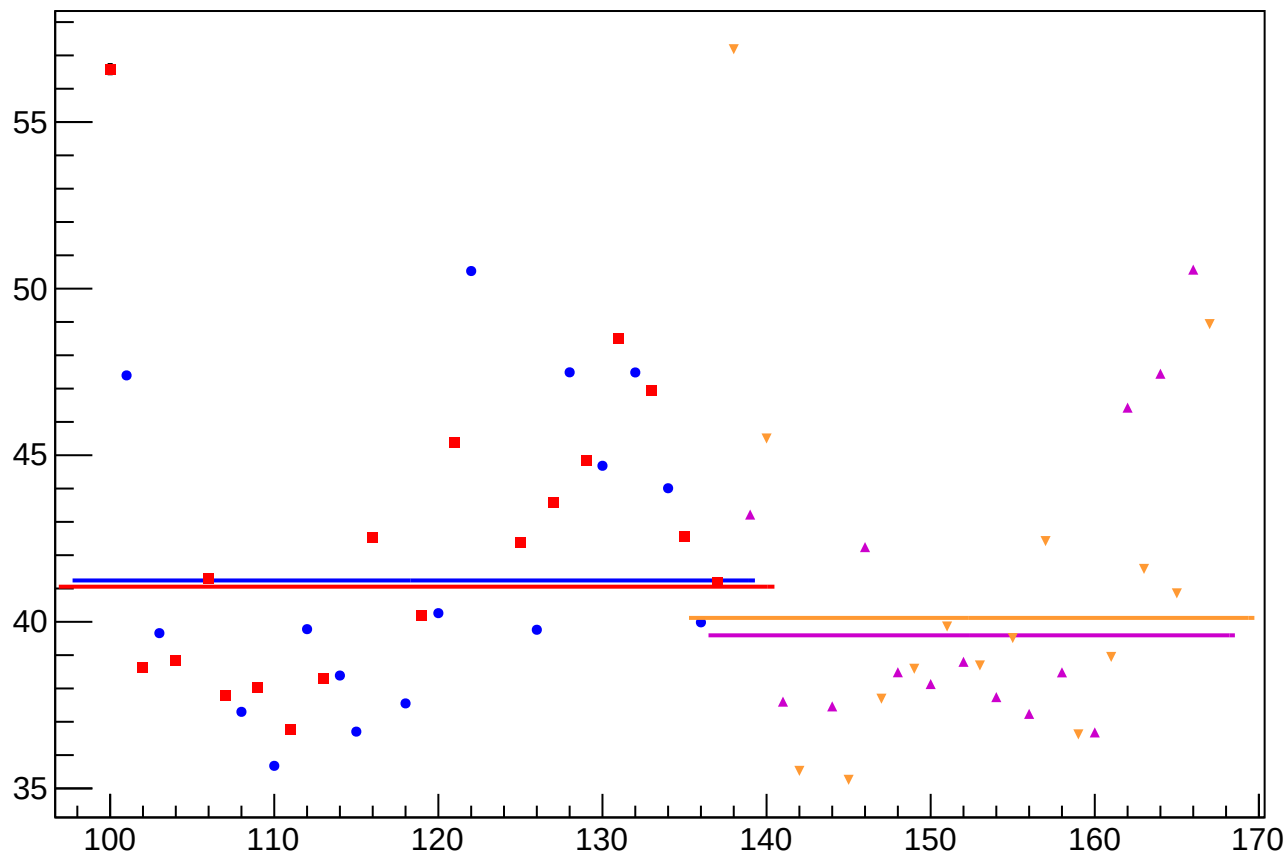
Left In: 0.008 ± 0.012 χ^2/NDF : 14.6/13

+ sign -0.005 ± 0.010 χ^2/NDF : 23.0/30

All: -0.005 ± 0.007 χ^2/NDF : 55.5/62

- sign -0.004 ± 0.009 χ^2/NDF : 32.5/31

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: 40.118 $\pm$ 0.009 χ^2 /NDF: 278673.4/14

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

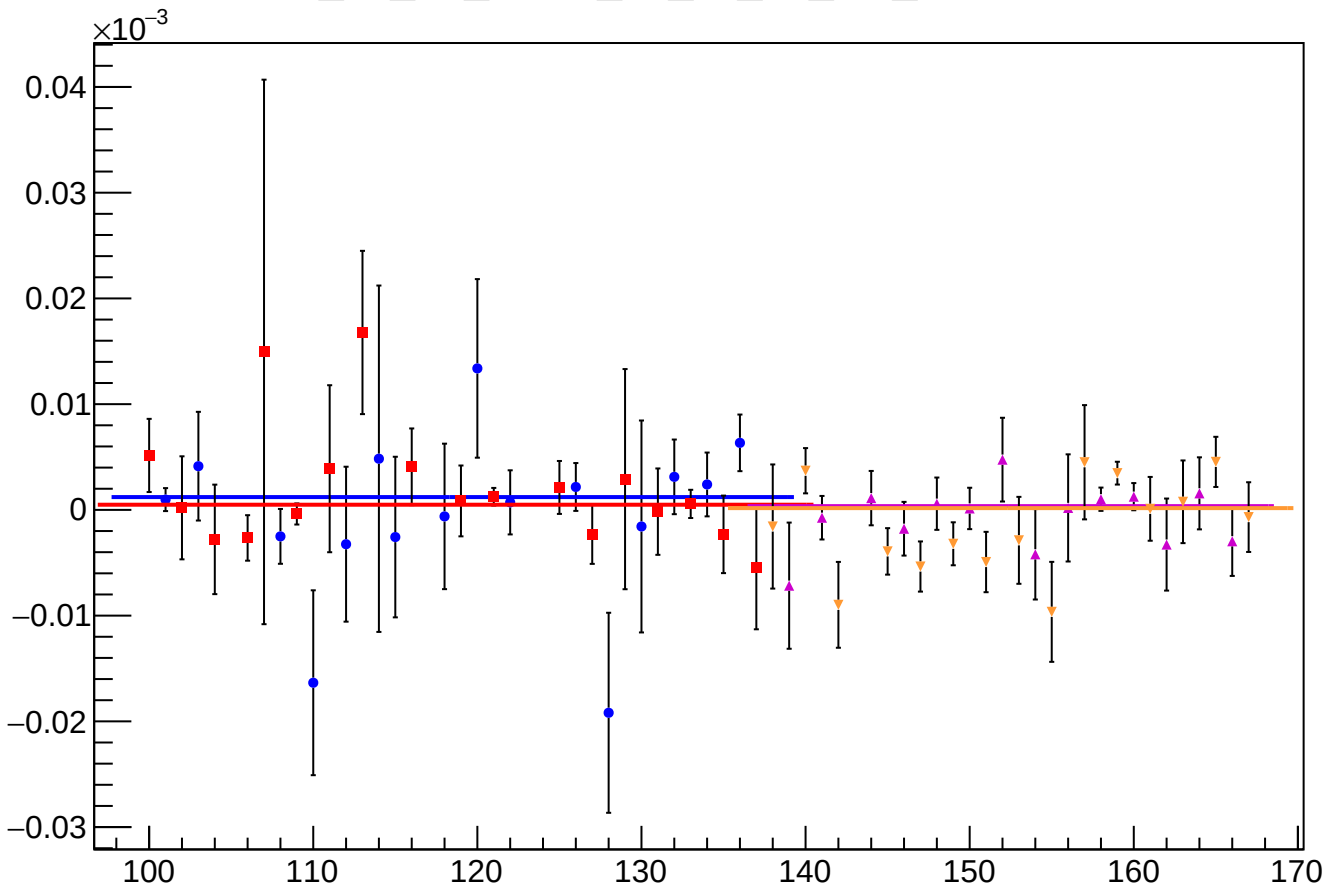
Left In: 39.595 $\pm$ 0.008 χ^2 /NDF: 163908.1/13

+ sign 40.535 $\pm$ 0.007 χ^2 /NDF: 420365.9/30

All: 40.337 $\pm$ 0.005 χ^2 /NDF: 693612.3/62

- sign 40.142 $\pm$ 0.007 χ^2 /NDF: 271551.0/31

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 41.1/14$

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

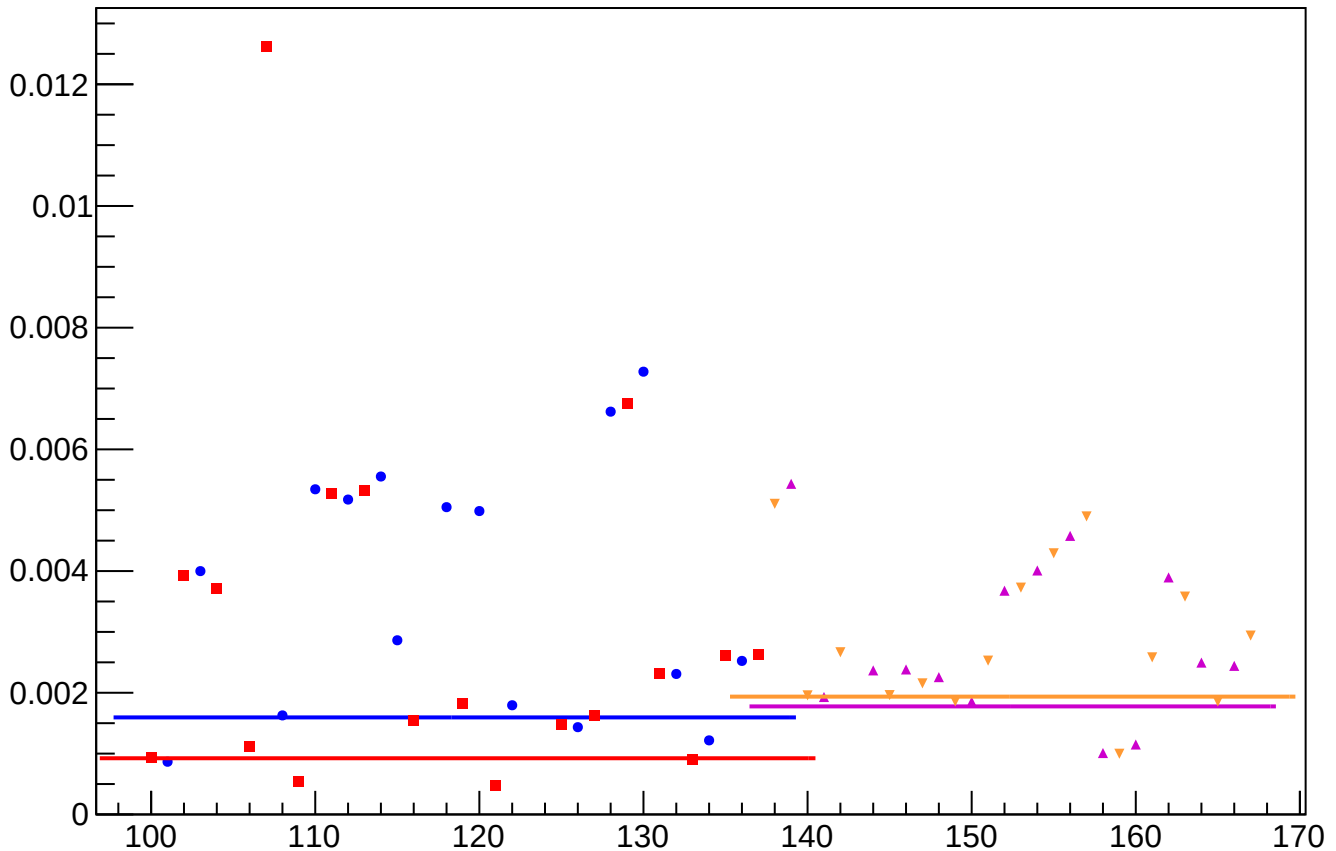
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 7.7/13$

+ sign 0.000+/-0.000 χ^2 /NDF: 60.6/30

All: 0.000+/-0.000 χ^2/NDF : 83.4/62

- sign 0.000+/-0.000 χ^2/NDF : 22.7/31

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 4762068.1/15

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 4378169.2/14

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 5780451.3/17

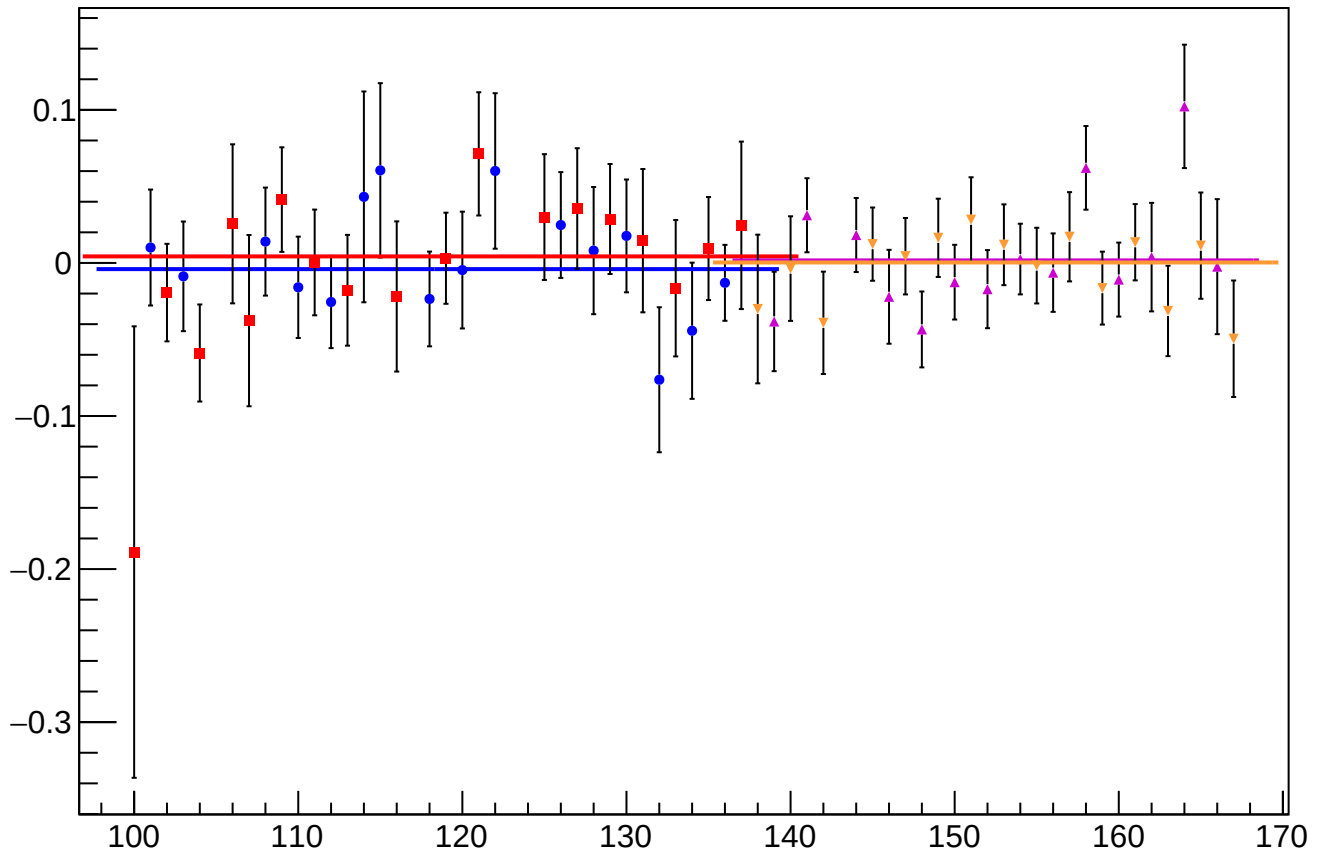
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 4769845.2/13

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 9382422.9/30

All: 0.001 $\pm$ 0.000 χ^2/NDF : 23775420.9/62

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 12960064.4/31

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: 0.000 ± 0.007 χ^2/NDF : 7.8/14

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

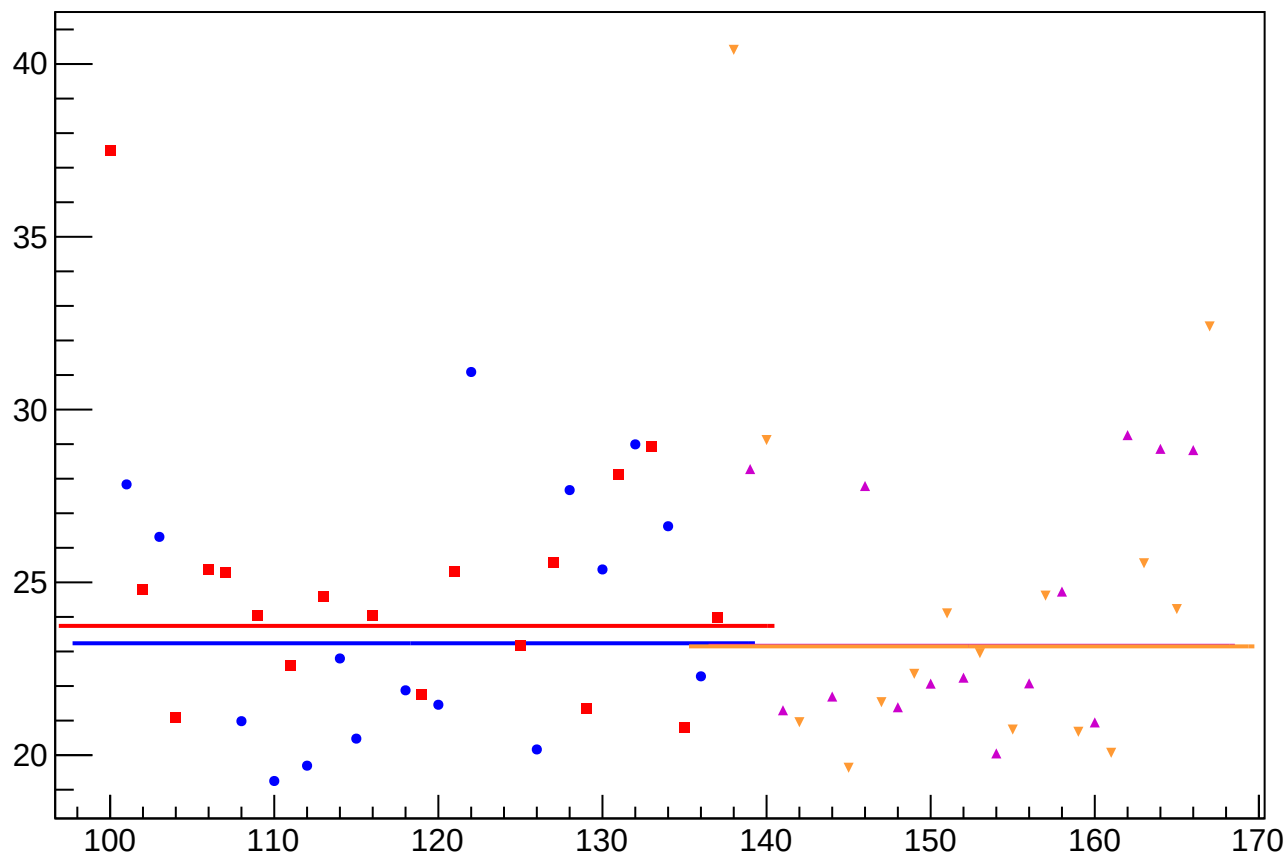
Left In: 0.002 ± 0.007 χ^2/NDF : 19.8/13

+ sign -0.001 ± 0.006 χ^2/NDF : 17.1/30

All: 0.001 ± 0.004 χ^2/NDF : 50.6/62

- sign 0.003 ± 0.006 χ^2/NDF : 33.3/31

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: 23.148 $\pm$ 0.005 χ^2/NDF : 587983.9/14

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

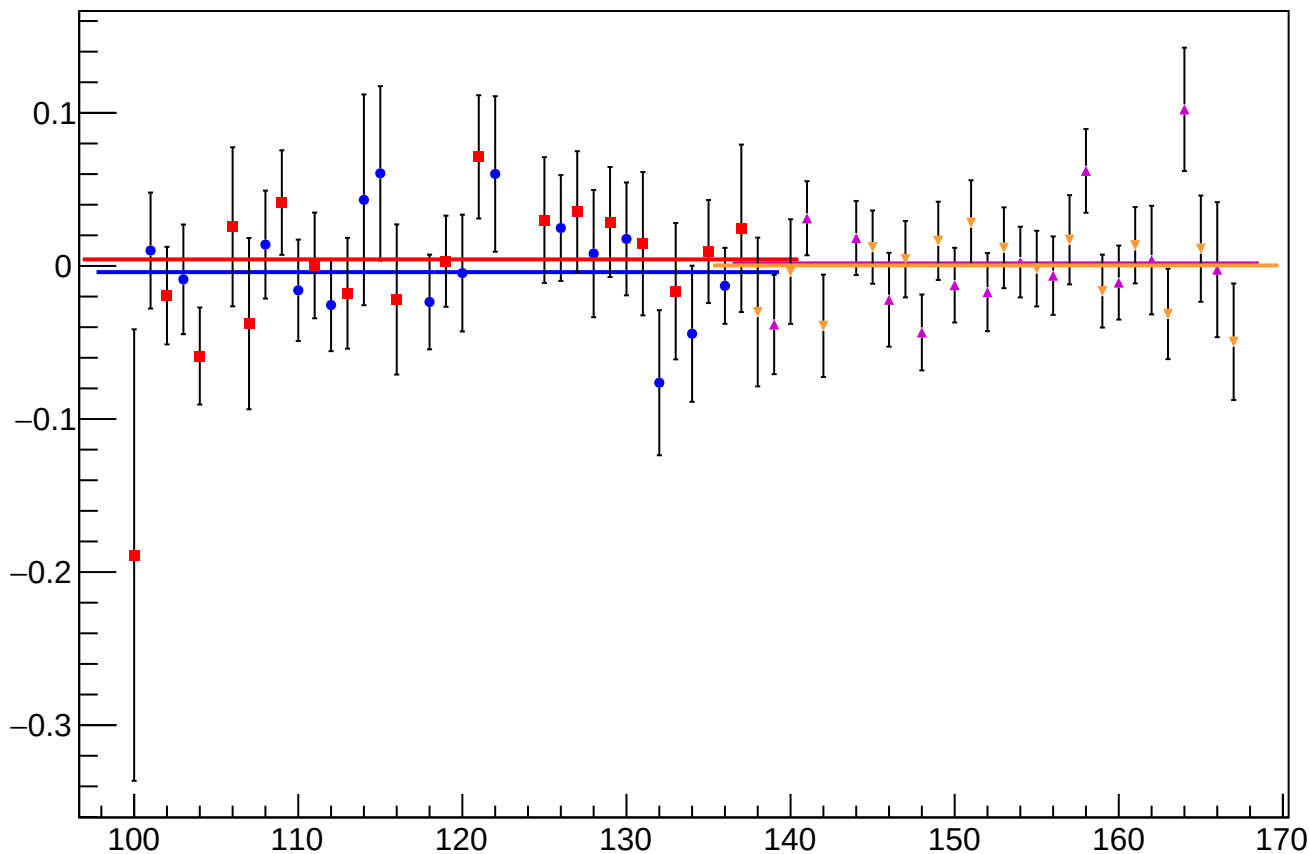
Left In: 23.165 $\pm$ 0.005 χ^2/NDF : 326742.4/13

+ sign 23.182 $\pm$ 0.004 χ^2/NDF : 847323.3/30

All: 23.283 $\pm$ 0.003 χ^2/NDF : 1306161.1/62

- sign 23.385 $\pm$ 0.004 χ^2/NDF : 457598.3/31

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: 0.000 ± 0.007 χ^2/NDF : 7.8/14

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

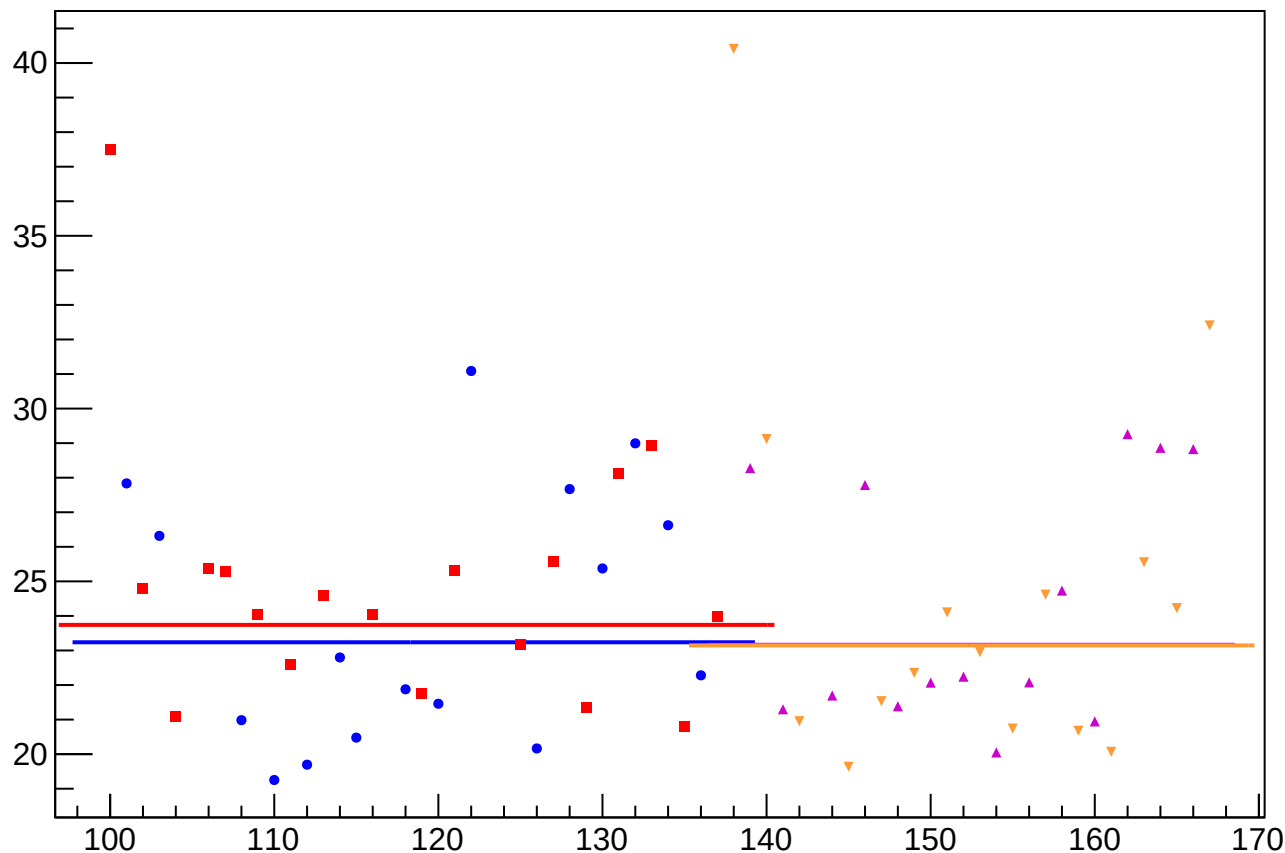
Left In: 0.002 ± 0.007 χ^2/NDF : 19.8/13

+ sign -0.001 ± 0.006 χ^2/NDF : 17.1/30

All: 0.001 ± 0.004 χ^2/NDF : 50.6/62

- sign 0.003 ± 0.006 χ^2/NDF : 33.3/31

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: 23.148 $\pm$ 0.005 χ^2/NDF : 587983.9/14

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

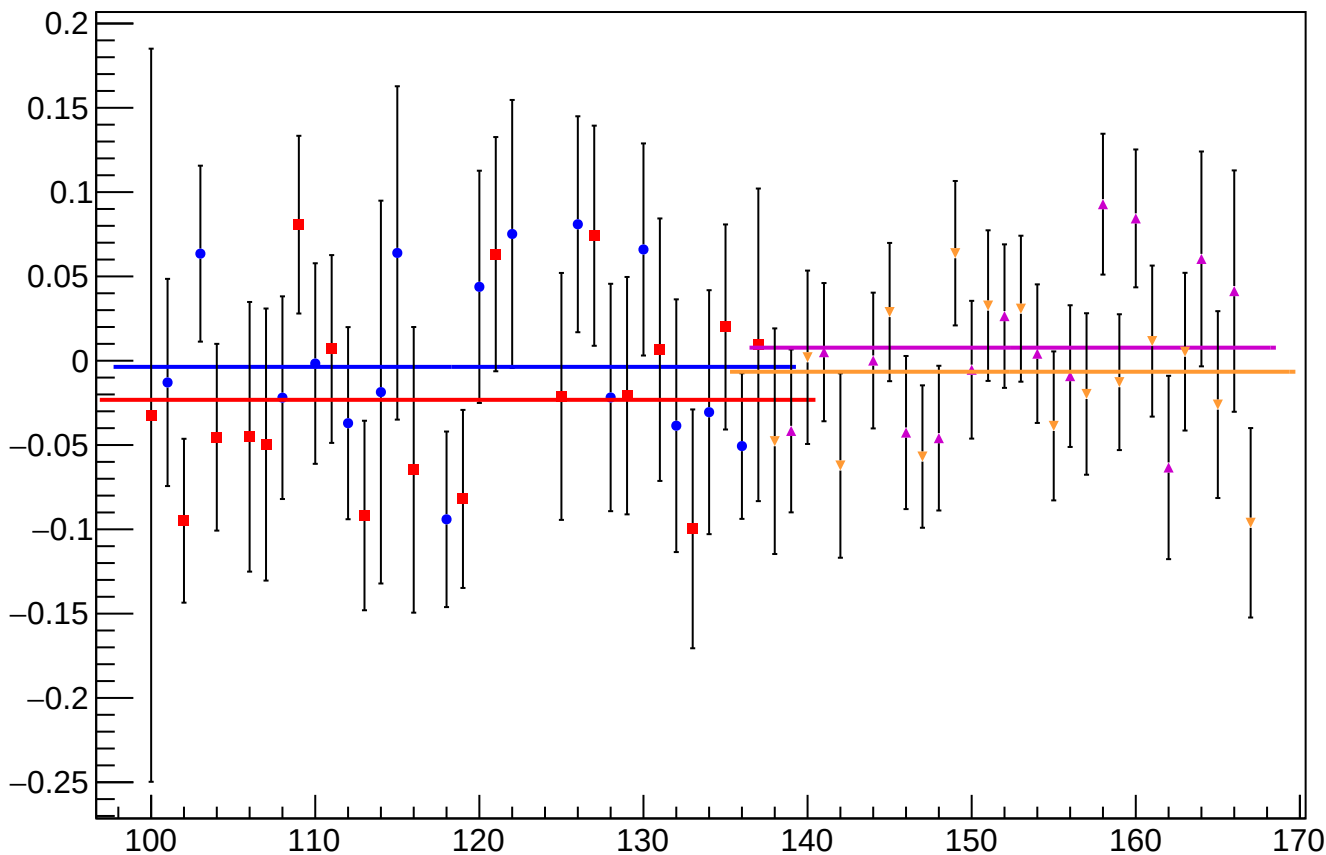
Left In: 23.165 $\pm$ 0.005 χ^2/NDF : 326742.4/13

+ sign 23.182 $\pm$ 0.004 χ^2/NDF : 847323.3/30

All: 23.283 $\pm$ 0.003 χ^2/NDF : 1306161.1/62

- sign 23.385 $\pm$ 0.004 χ^2/NDF : 457598.3/31

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.007 ± 0.012 χ^2/NDF : 11.3/14

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

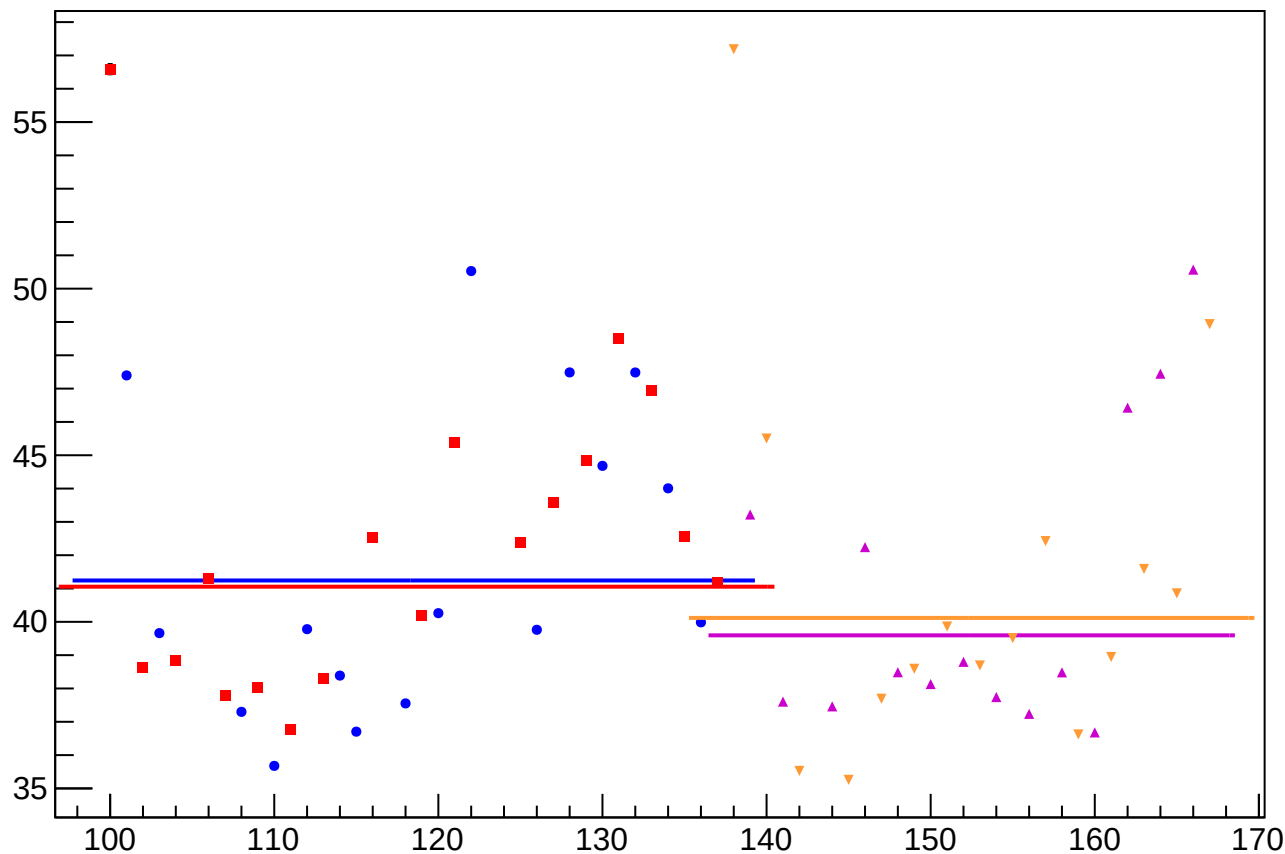
Left In: 0.008 ± 0.012 χ^2/NDF : 14.6/13

+ sign -0.005 ± 0.010 χ^2/NDF : 23.0/30

All: -0.005 ± 0.007 χ^2/NDF : 55.5/62

- sign -0.004 ± 0.009 χ^2/NDF : 32.5/31

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: 40.118 $\pm$ 0.009 χ^2/NDF : 278677.3/14

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

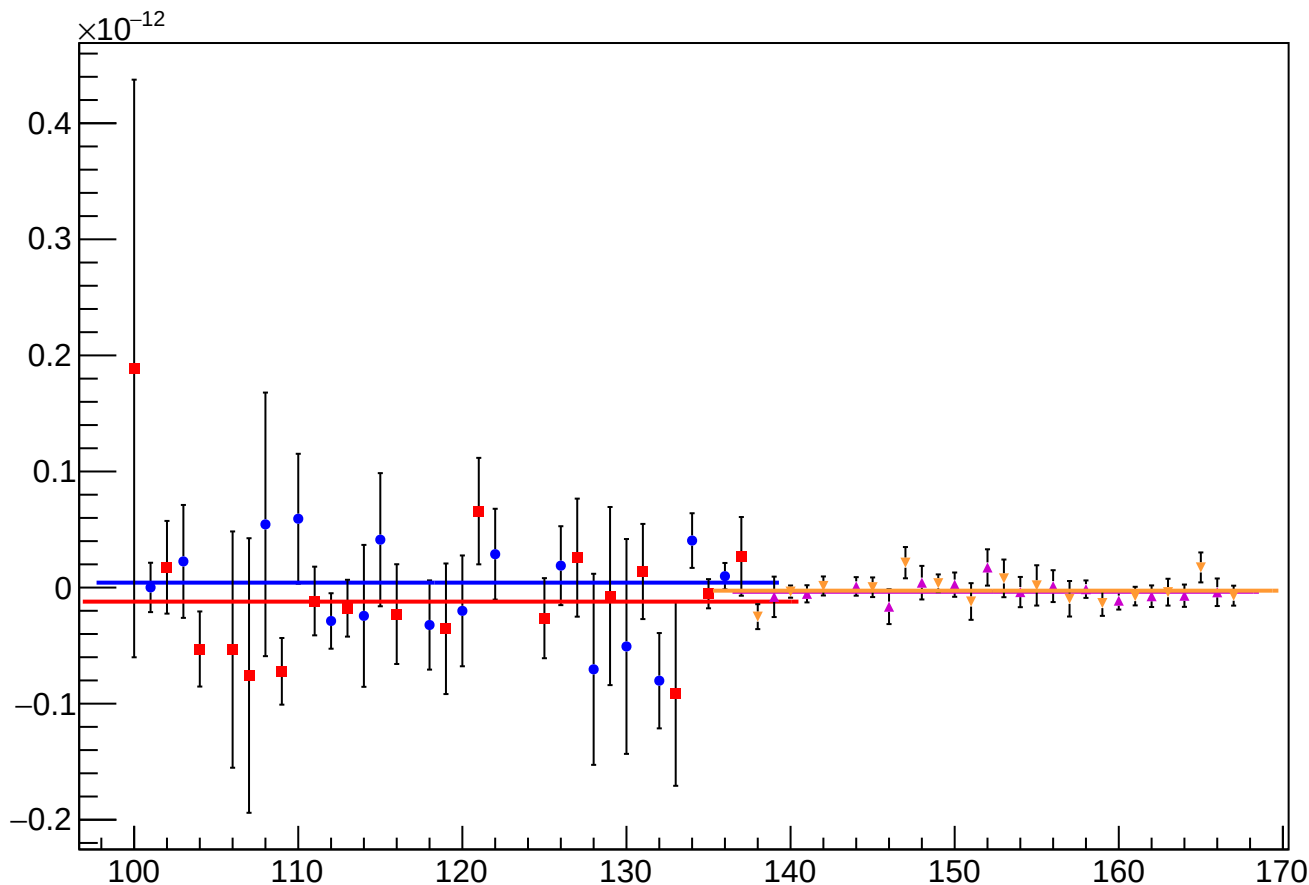
Left In: 39.595 $\pm$ 0.008 χ^2/NDF : 163915.8/13

+ sign 40.535 $\pm$ 0.007 χ^2/NDF : 420344.1/30

All: 40.337 $\pm$ 0.005 χ^2/NDF : 693583.1/62

- sign 40.142 $\pm$ 0.007 χ^2/NDF : 271544.7/31

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.6/14

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

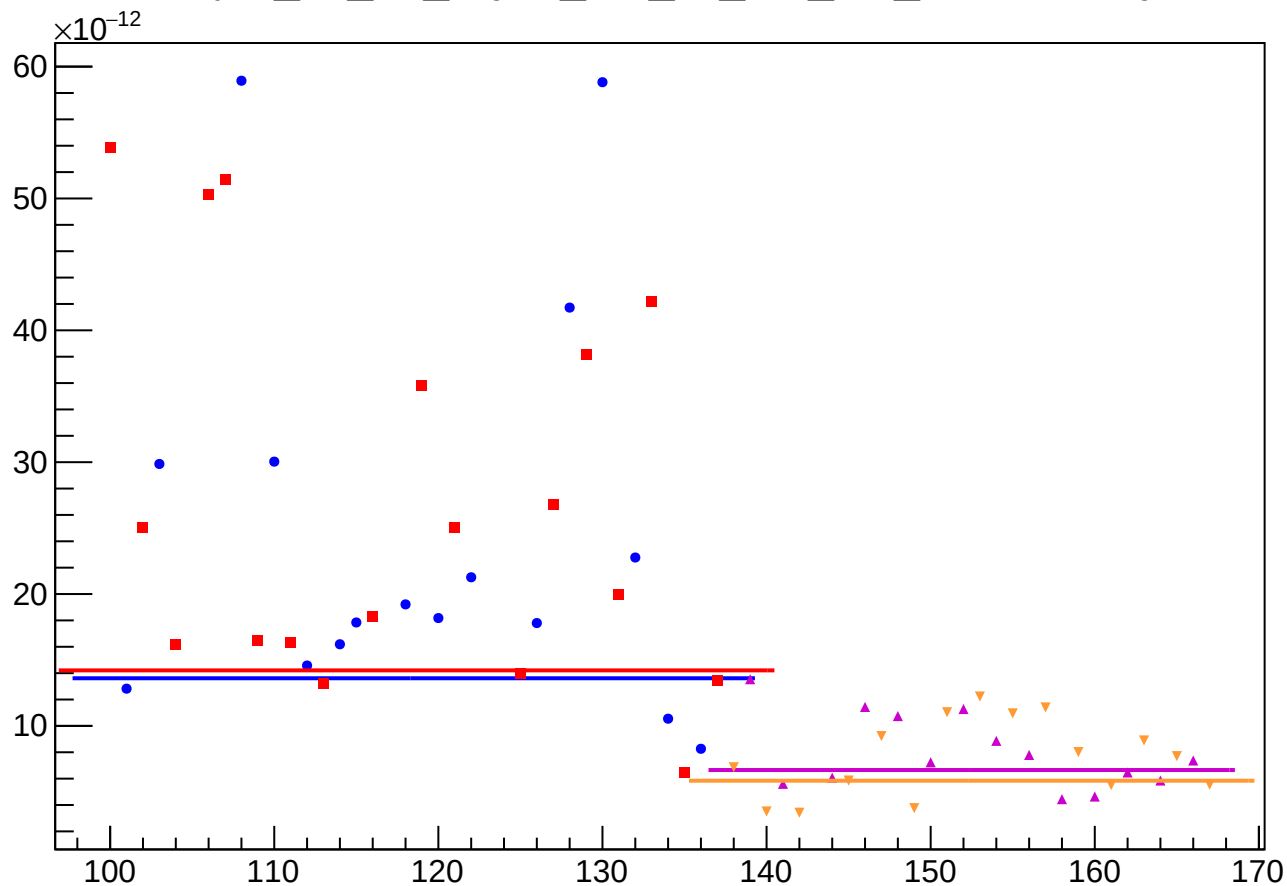
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:5.1/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 49.4/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/31

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 : 2088308.2/14

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

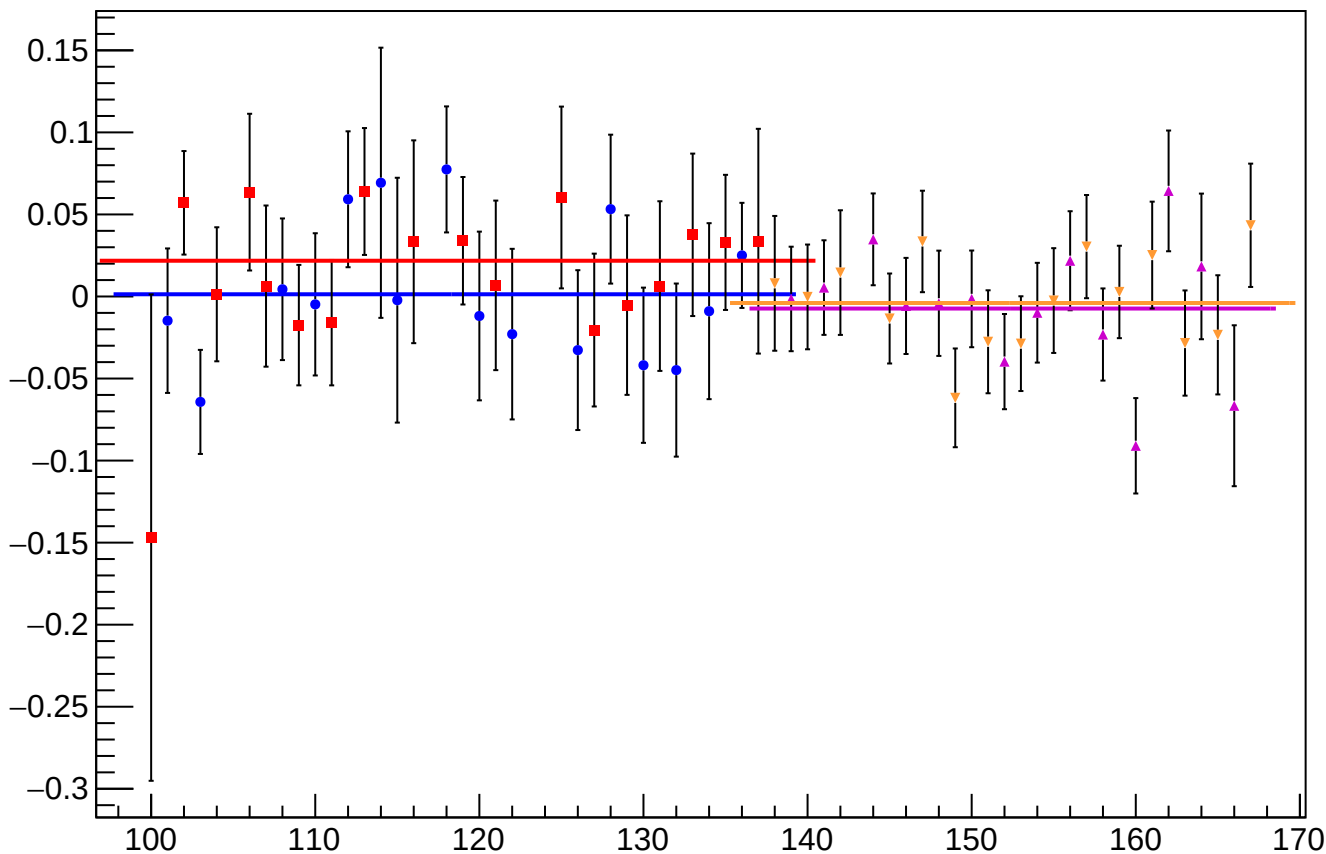
Left In: 0.000+/-0.000 χ^2/NDF : 1311490.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 6269857.7/30

All: 0.000+/-0.000 χ^2/NDF : 11847882.2/62

- sign 0.000+/-0.000 χ^2/NDF : 5460912.3/31

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.004 ± 0.008 χ^2/NDF : 11.4/14

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

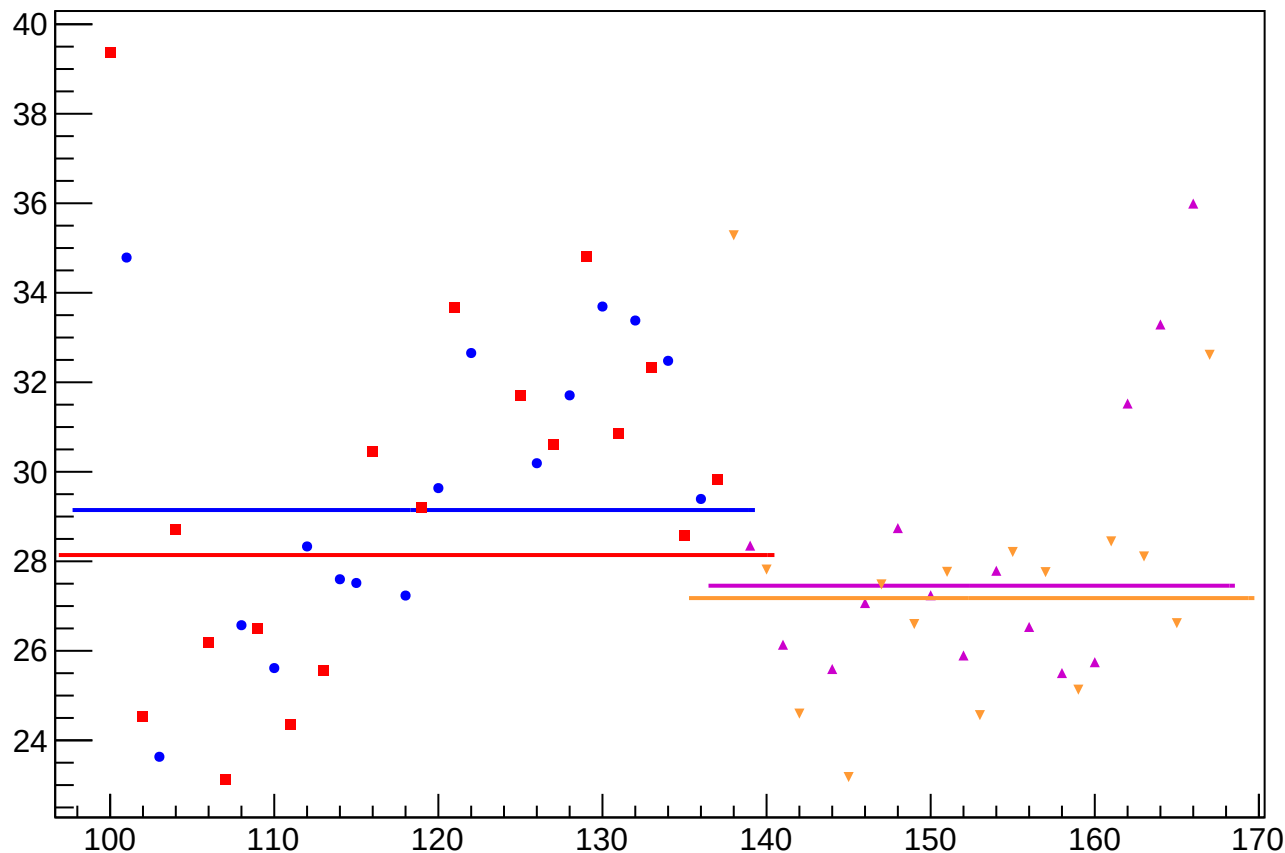
Left In: -0.007 ± 0.008 χ^2/NDF : 18.9/13

+ sign -0.002 ± 0.007 χ^2/NDF : 26.8/30

All: 0.001 ± 0.005 χ^2/NDF : 59.7/62

- sign 0.004 ± 0.007 χ^2/NDF : 32.5/31

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: 27.178 $\pm$ 0.006 χ^2/NDF : 208900.7/14

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

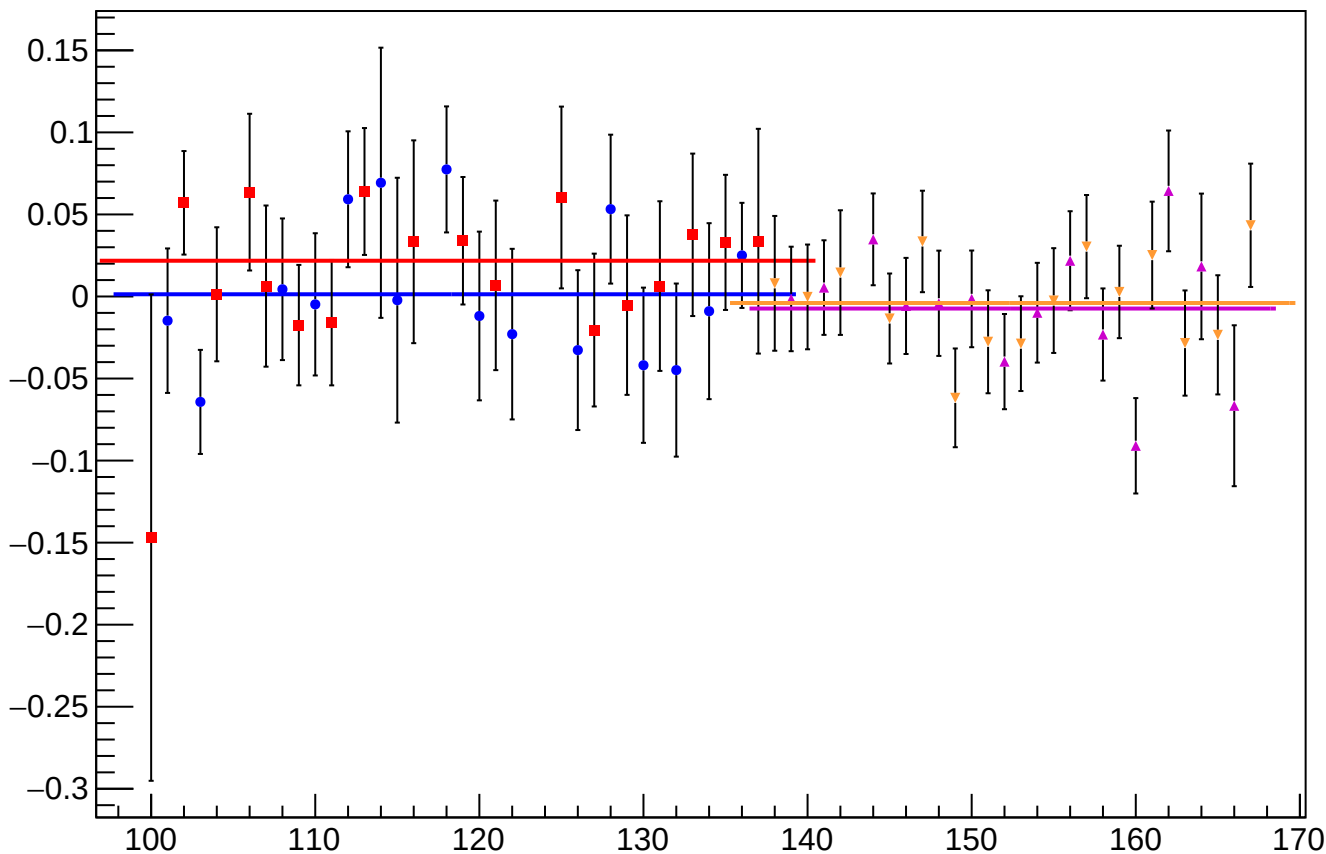
Left In: 27.455 $\pm$ 0.006 χ^2/NDF : 162470.2/13

+ sign 27.872 $\pm$ 0.005 χ^2/NDF : 425651.3/30

All: 27.792 $\pm$ 0.003 χ^2/NDF : 780838.0/62

- sign 27.713 $\pm$ 0.005 χ^2/NDF : 354612.2/31

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.011 $\chi^2/\text{NDF}: 15.3/15$

Left Out: -0.004 ± 0.008 $\chi^2/\text{NDF}: 11.4/14$

Right Out: 0.022 ± 0.011 $\chi^2/\text{NDF}: 9.0/17$

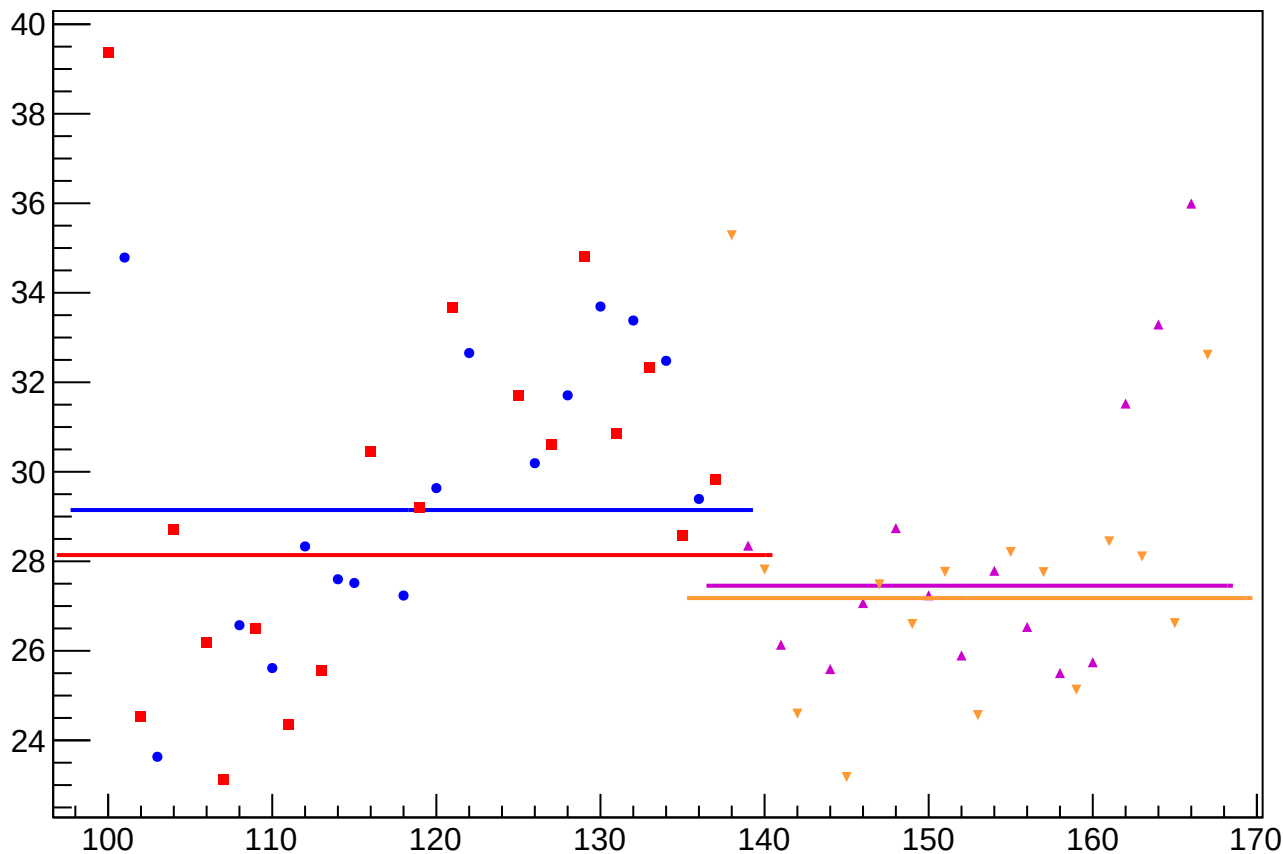
Left In: -0.007 ± 0.008 $\chi^2/\text{NDF}: 18.9/13$

+ sign -0.002 ± 0.007 $\chi^2/\text{NDF}: 26.8/30$

All: 0.001 ± 0.005 $\chi^2/\text{NDF}: 59.7/62$

- sign 0.004 ± 0.007 $\chi^2/\text{NDF}: 32.5/31$

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: 27.178 $\pm$ 0.006 χ^2 /NDF: 208900.7/14

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

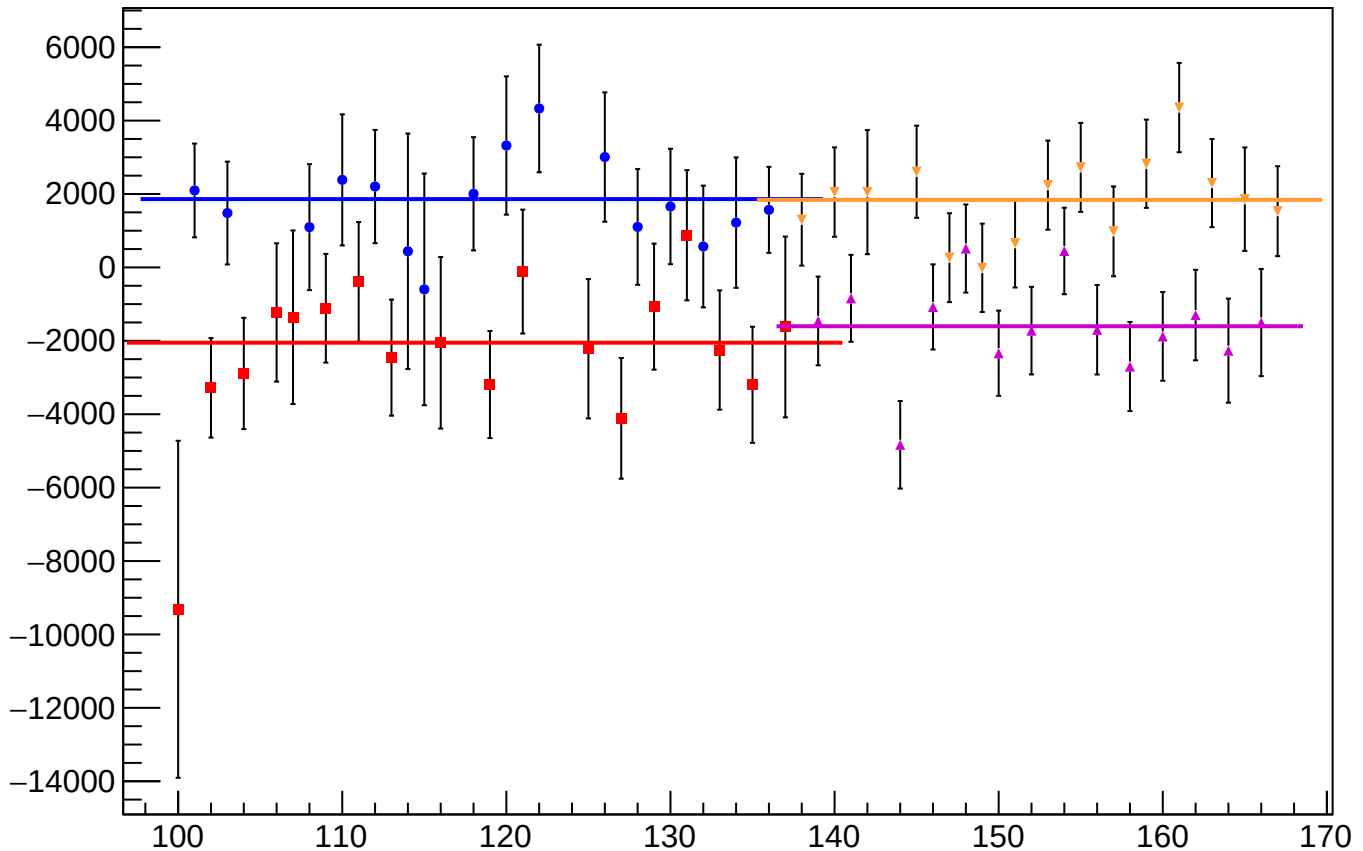
Left In: 27.455 $\pm$ 0.006 χ^2 /NDF: 162470.2/13

+ sign 27.872 $\pm$ 0.005 χ^2 /NDF: 425651.3/30

All: 27.792 $\pm$ 0.003 χ^2 /NDF: 780838.0/62

- sign 27.713 $\pm$ 0.005 χ^2 /NDF: 354612.2/31

reg_asym_usl_mean vs Slug



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

Left Out: 1839.955 $\pm$ 322.503 χ^2/NDF : 11.9/14

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

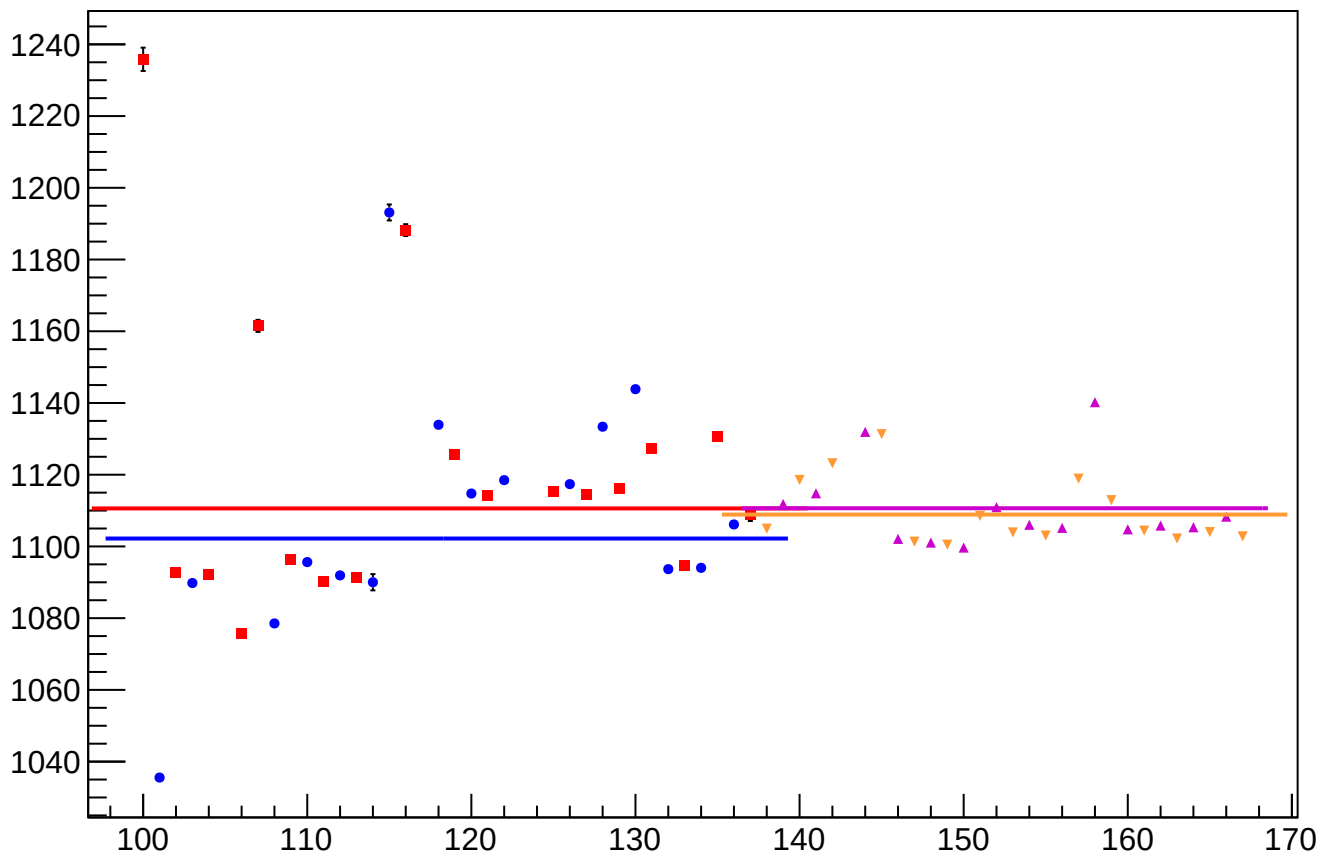
Left In: -1603.100 $\pm$ 326.854 χ^2/NDF : 15.7/13

+ sign 1848.212 $\pm$ 253.369 χ^2/NDF : 17.2/30

All: 49.813 $\pm$ 179.871 χ^2/NDF : 147.8/62

- sign -1777.473 $\pm$ 255.396 χ^2/NDF : 28.9/31

reg_asym_usl_rms vs Slug



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

Left Out: 1108.884 ± 0.228 χ^2/NDF : 1501.5/14

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

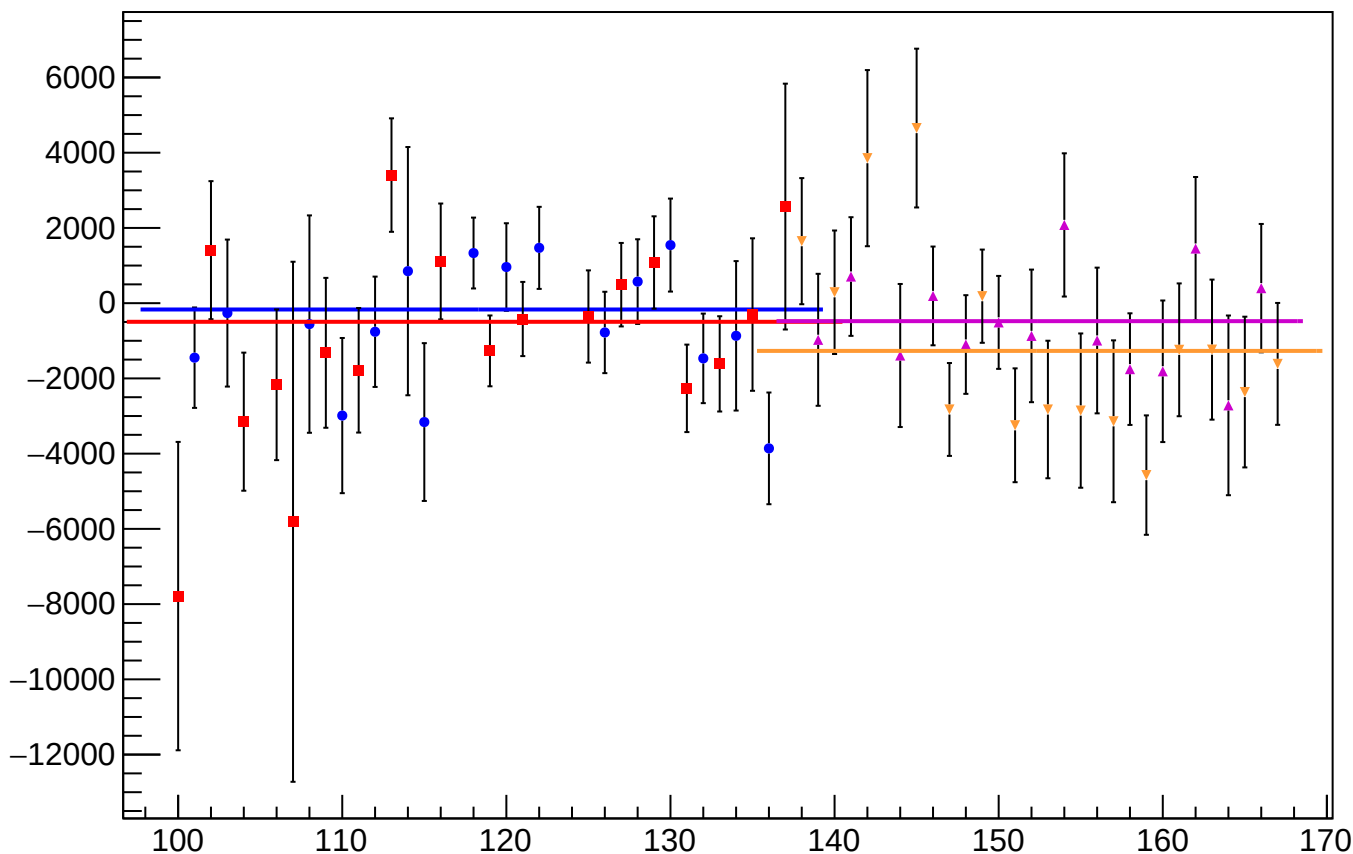
Left In: 1110.646 ± 0.231 χ^2/NDF : 2447.4/13

+ sign 1106.328 ± 0.179 χ^2/NDF : 13178.8/30

All: 1108.459 ± 0.127 χ^2/NDF : 23607.6/62

- sign 1110.625 ± 0.181 χ^2/NDF : 10143.5/31

asym_usl_reg_correction_mean vs Slug



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

Left Out: -1268.805 ± 435.718 χ^2/NDF : 28.0/14

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

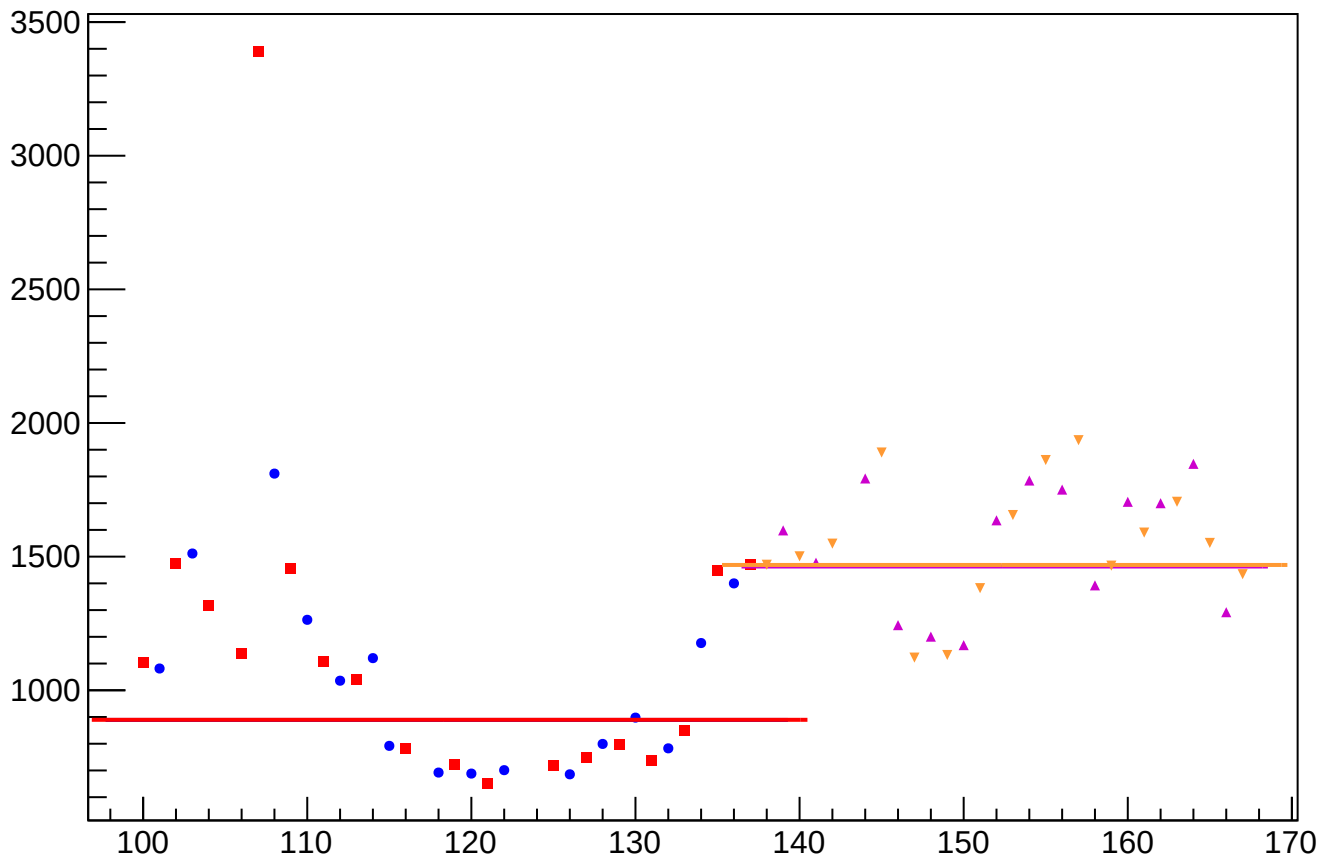
Left In: -478.115 ± 437.832 χ^2/NDF : 6.7/13

+ sign -592.795 ± 270.691 χ^2/NDF : 53.0/30

All: -540.777 ± 191.520 χ^2/NDF : 83.0/62

- sign -488.637 ± 271.008 χ^2/NDF : 30.0/31

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1468.857 ± 0.308 χ^2/NDF : 628920.5/14

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

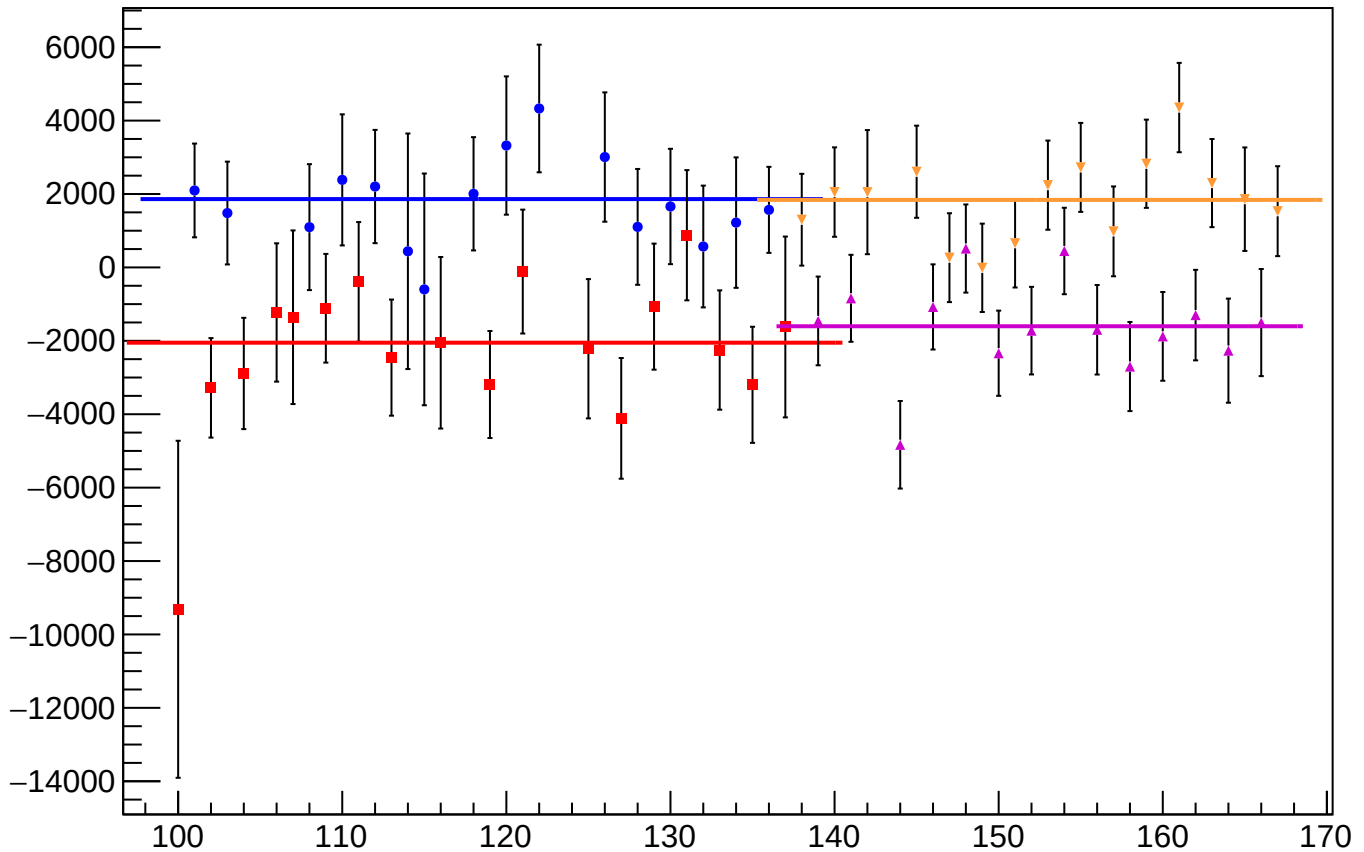
Left In: 1463.034 ± 0.310 χ^2/NDF : 582327.0/13

+ sign 1112.772 ± 0.191 χ^2/NDF : 3937021.9/30

All: 1111.001 ± 0.135 χ^2/NDF : 7982446.3/62

- sign 1109.226 ± 0.192 χ^2/NDF : 4045253.1/31

cor_asym_usl_mean vs Slug



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

Left Out: 1839.955 $\pm$ 322.503 χ^2 /NDF: 11.9/14

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

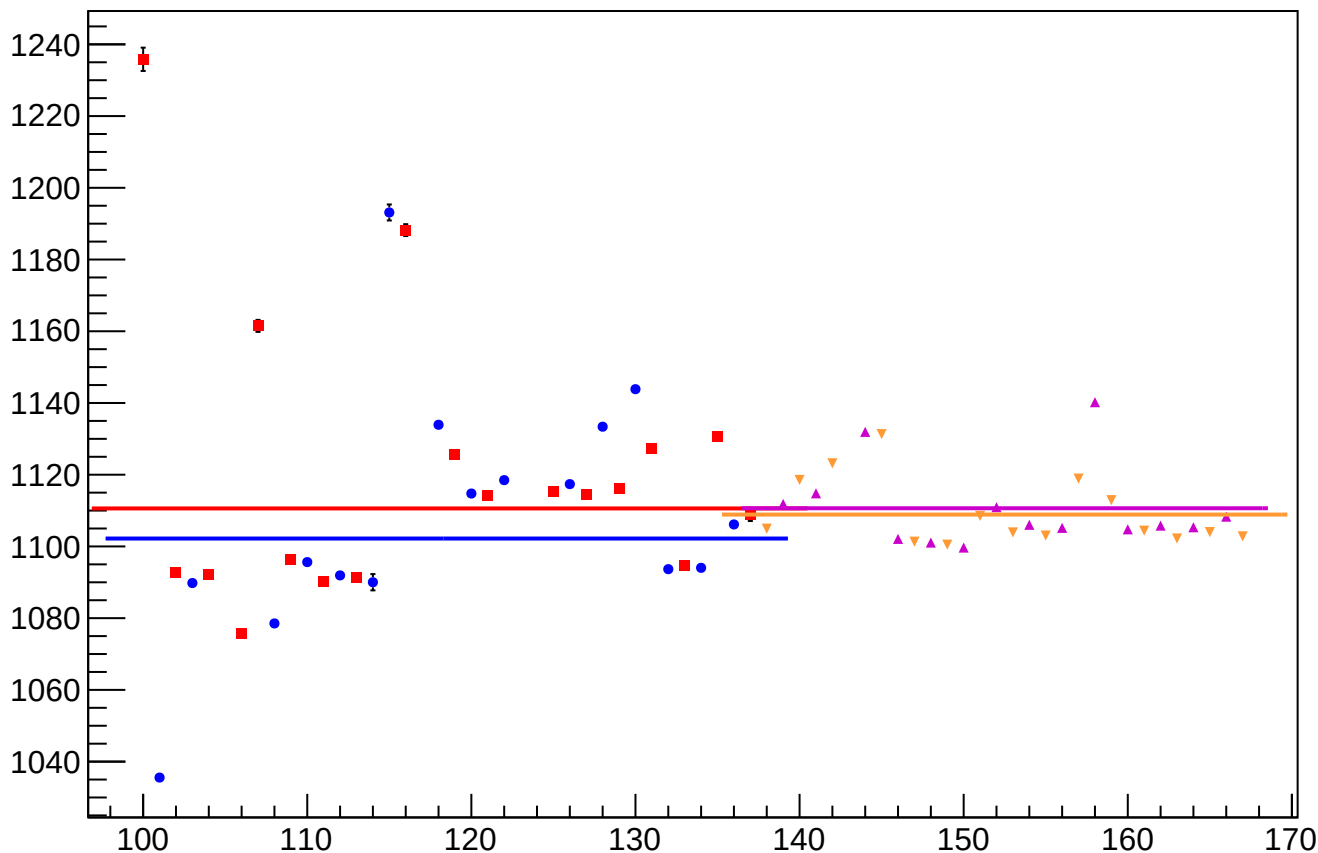
Left In: -1603.100 $\pm$ 326.854 χ^2 /NDF: 15.7/13

+ sign 1848.212 $\pm$ 253.369 χ^2 /NDF: 17.2/30

All: 49.813 $\pm$ 179.871 χ^2 /NDF: 147.8/62

- sign -1777.473 $\pm$ 255.396 χ^2 /NDF: 28.9/31

cor_asym_usl_rms vs Slug



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

Left Out: 1108.884 $\pm$ 0.228 χ^2 /NDF: 1501.5/14

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

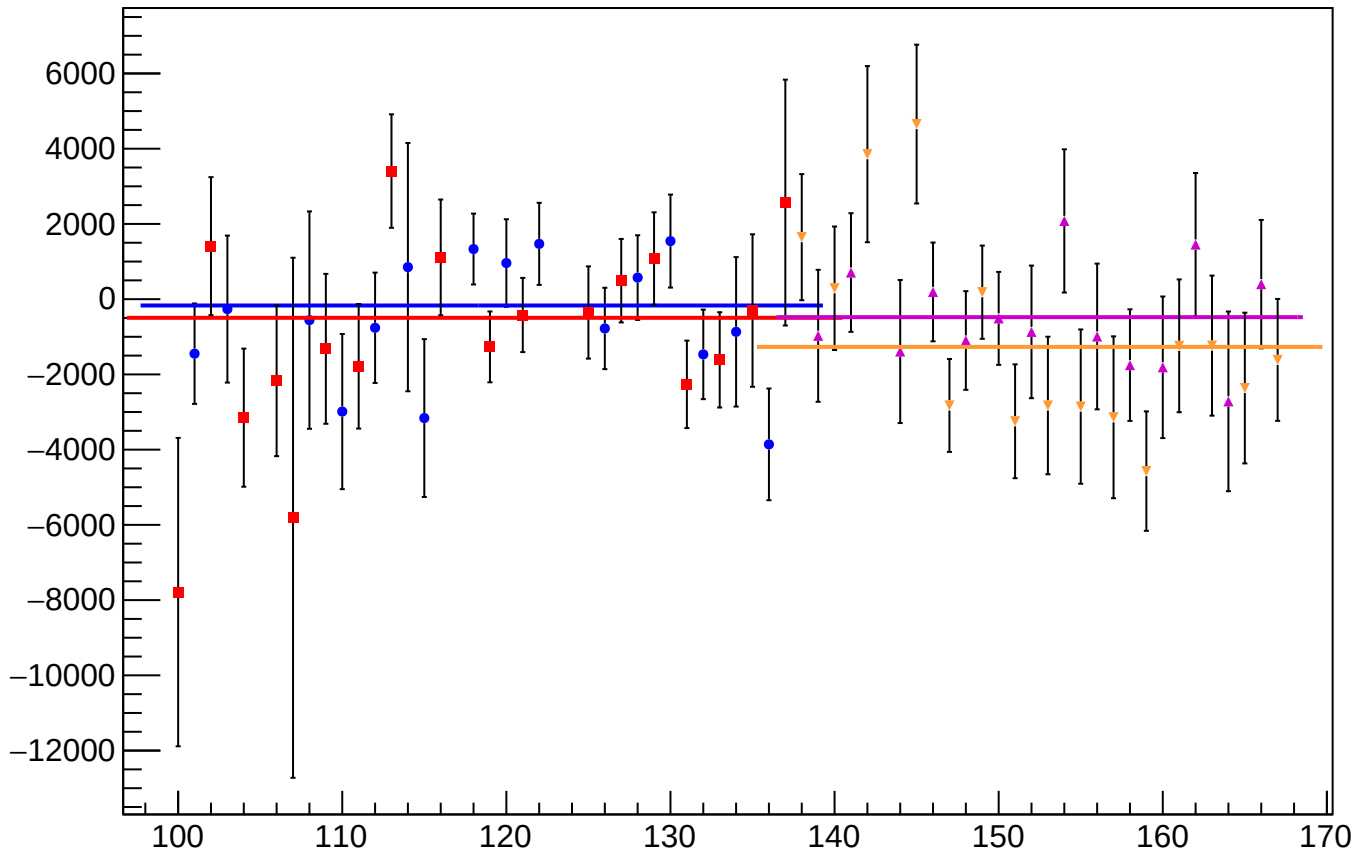
Left In: 1110.646 $\pm$ 0.231 χ^2 /NDF: 2447.4/13

+ sign 1106.328 $\pm$ 0.179 χ^2 /NDF: 13178.8/30

All: 1108.459 $\pm$ 0.127 χ^2 /NDF: 23607.6/62

- sign 1110.625 $\pm$ 0.181 χ^2 /NDF: 10143.5/31

asym_usl_cor_correction_mean vs Slug



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

Left Out: -1268.805 ± 435.718 χ^2/NDF : 28.0/14

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

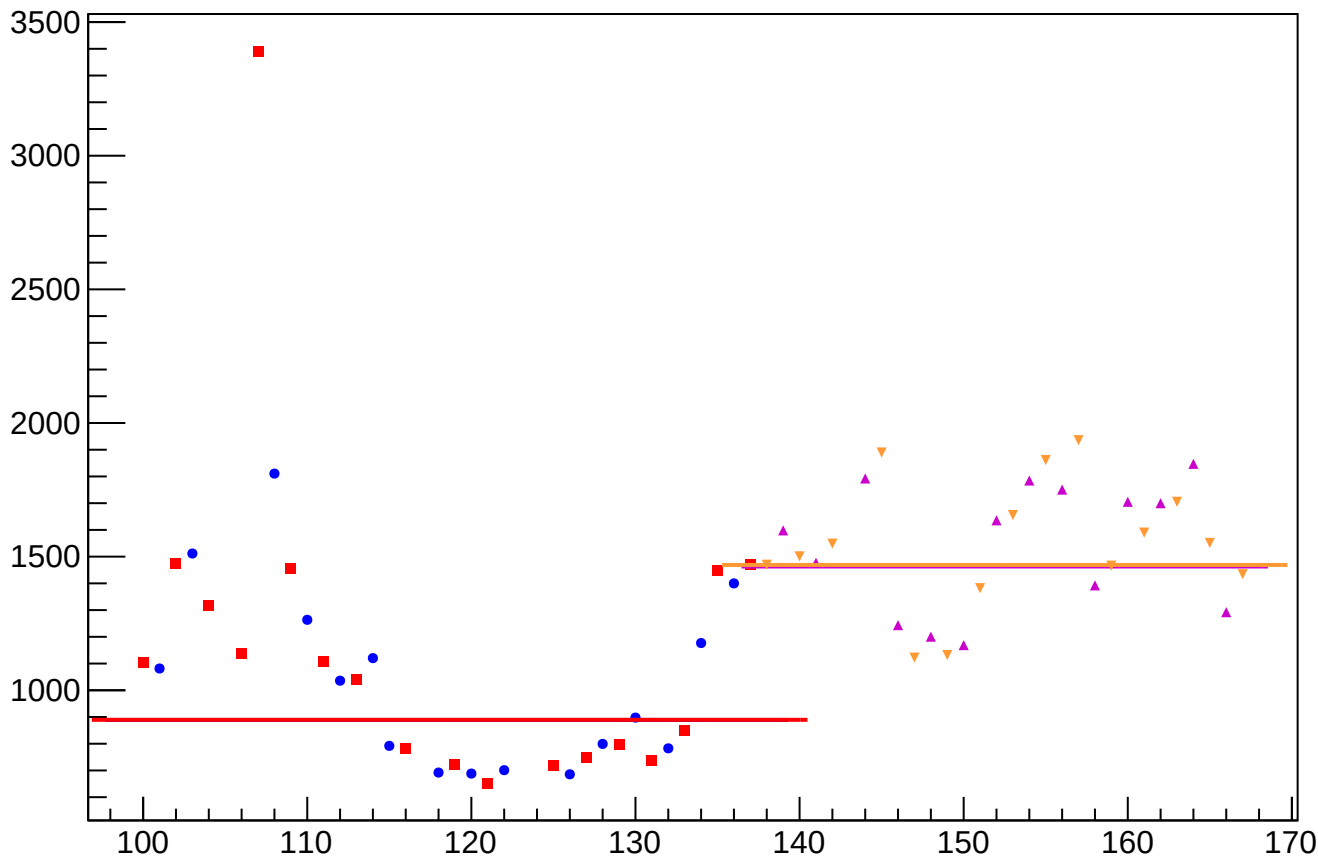
Left In: -478.115 ± 437.832 χ^2/NDF : 6.7/13

+ sign -592.795 ± 270.691 χ^2/NDF : 53.0/30

All: -540.777 ± 191.520 χ^2/NDF : 83.0/62

- sign -488.637 ± 271.008 χ^2/NDF : 30.0/31

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1468.857+/-0.308 χ^2/NDF : 628920.5/14

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

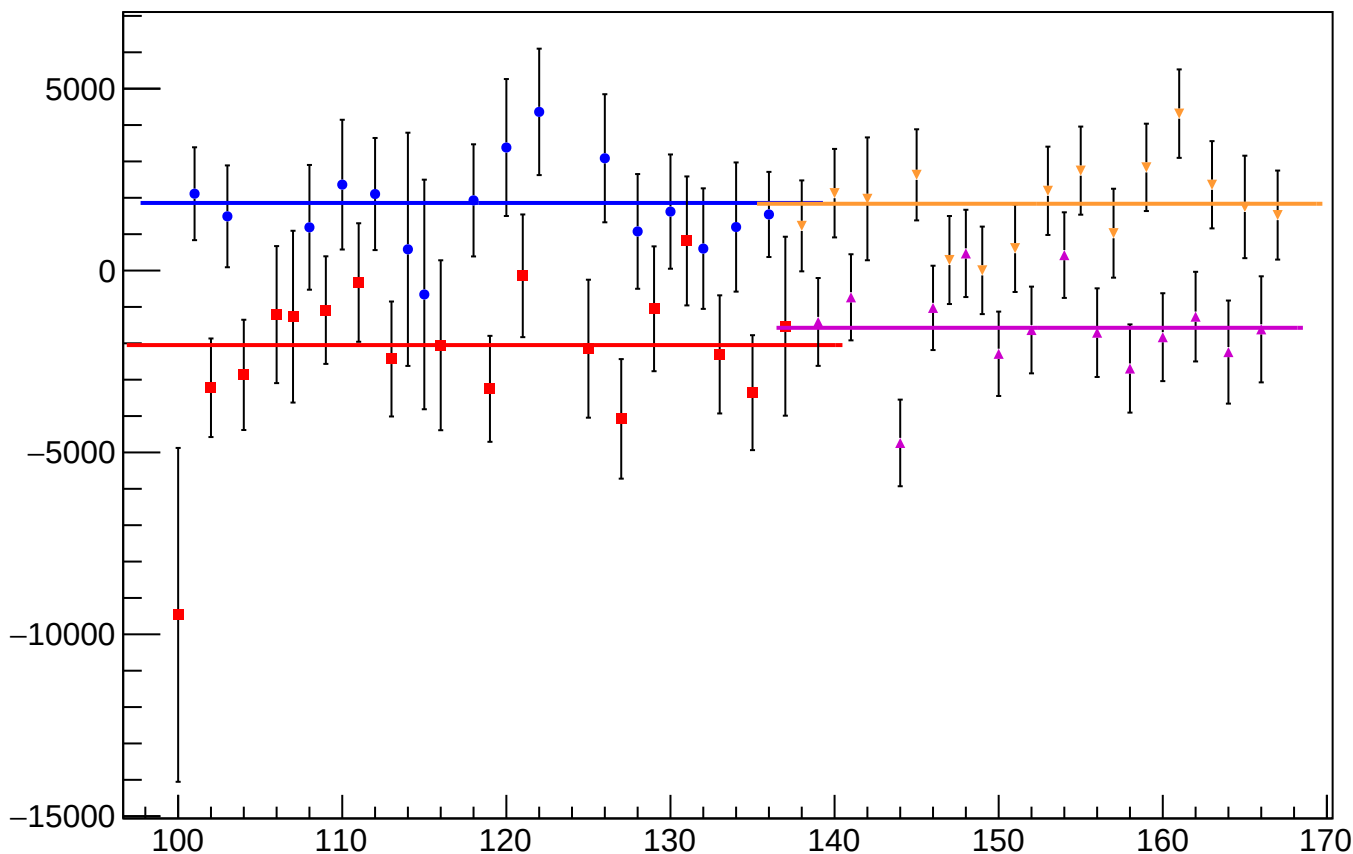
Left In: 1463.034+/-0.310 χ^2/NDF : 582327.0/13

+ sign 1112.772+/-0.191 χ^2/NDF : 3937021.9/30

All: 1111.001+/-0.135 χ^2/NDF : 7982446.3/62

- sign 1109.226+/-0.192 χ^2/NDF : 4045253.1/31

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1836.276 $\pm$ 322.170 χ^2 /NDF: 11.9/14

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

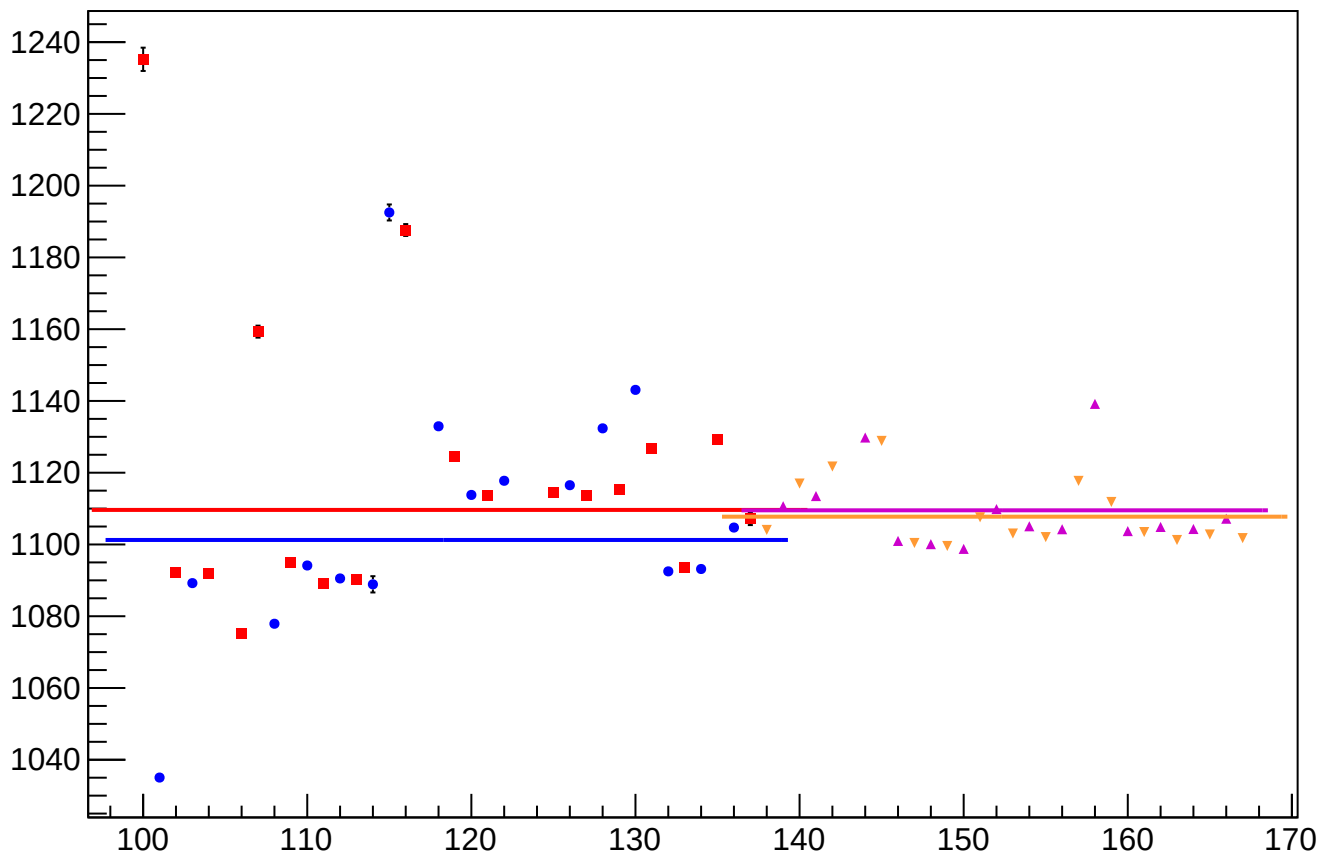
Left In: -1573.965 $\pm$ 326.521 χ^2 /NDF: 15.2/13

+ sign 1844.851 $\pm$ 253.124 χ^2 /NDF: 17.3/30

All: 57.394 $\pm$ 179.698 χ^2 /NDF: 146.6/62

- sign -1758.807 $\pm$ 255.151 χ^2 /NDF: 28.7/31

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1107.746+/-0.228 χ^2/NDF : 1390.7/14

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

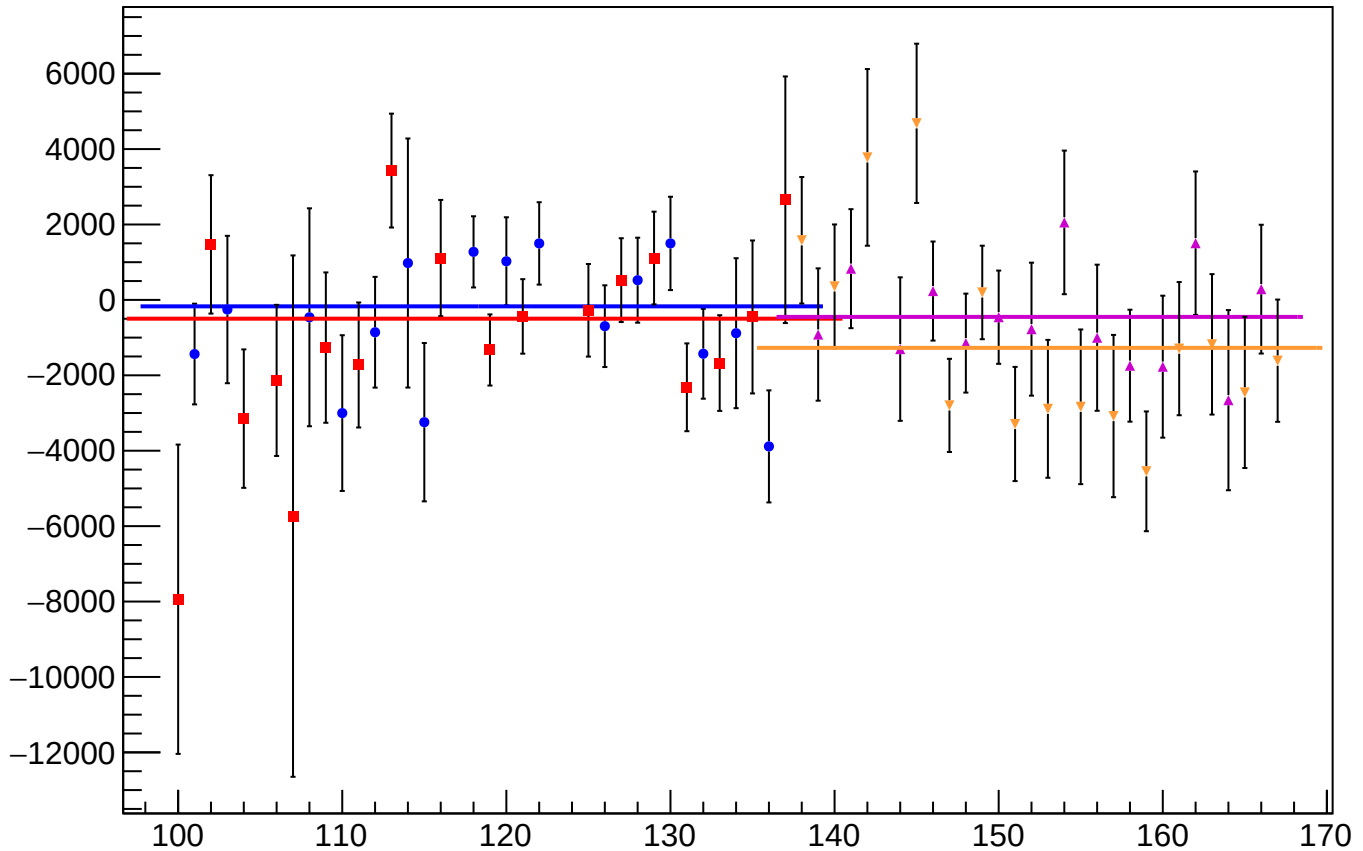
Left In: 1109.519+/-0.231 χ^2/NDF : 2377.9/13

+ sign 1105.262+/-0.179 χ^2/NDF : 13009.8/30

All: 1107.395+/-0.127 χ^2/NDF : 23347.1/62

- sign 1109.562+/-0.180 χ^2/NDF : 10051.0/31

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -1271.589 ± 435.978 χ^2/NDF : 27.9/14

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

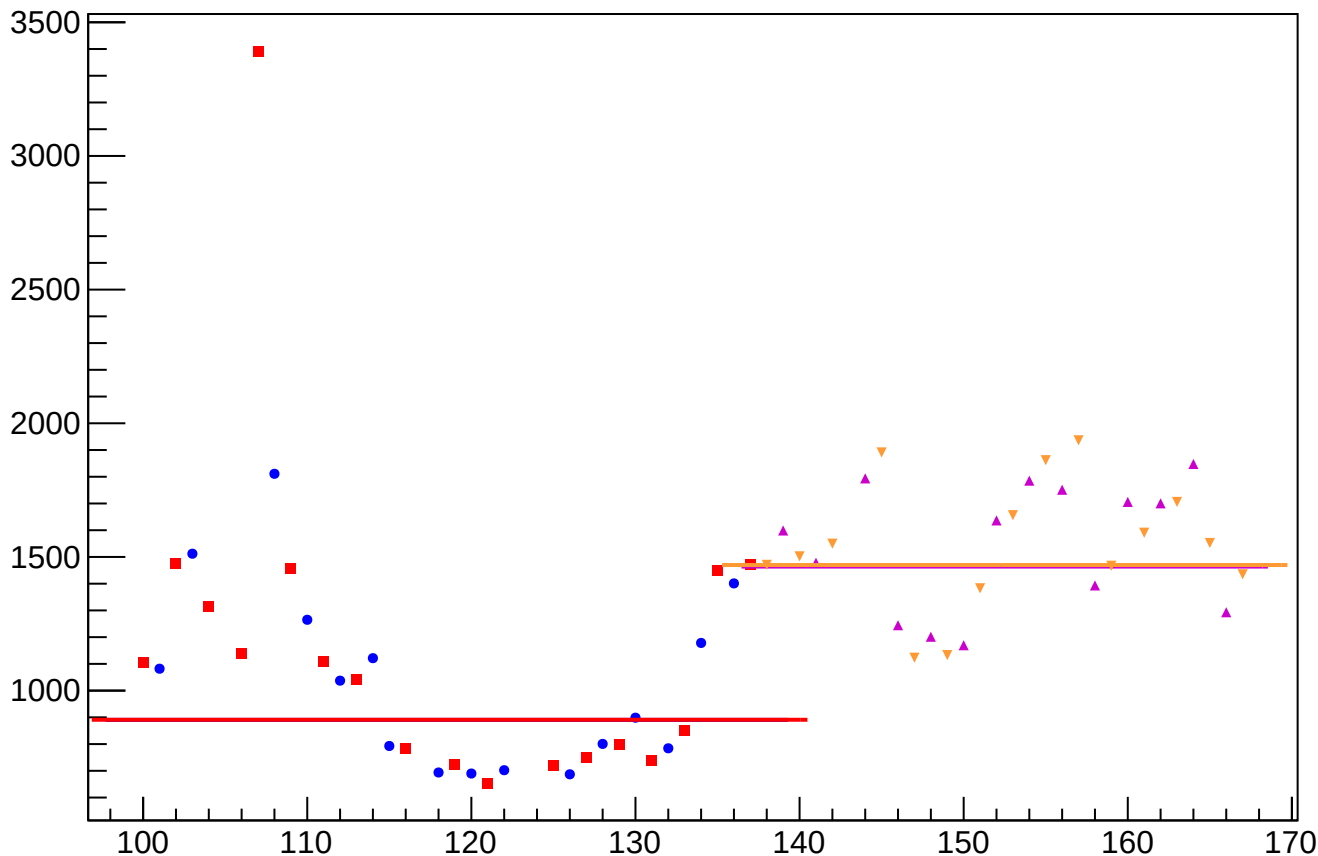
Left In: -450.764 ± 438.097 χ^2/NDF : 6.7/13

+ sign -596.238 ± 271.013 χ^2/NDF : 52.7/30

All: -538.113 ± 191.743 χ^2/NDF : 83.4/62

- sign -479.856 ± 271.319 χ^2/NDF : 30.6/31

asym_usl_overload_cor_correction_rms vs Slug



Right In: 890.495 $\pm$ 0.245 χ^2 /NDF: 1128739.3/15

Left Out: 1469.776 $\pm$ 0.308 χ^2 /NDF: 627956.8/14

Right Out: 890.938 $\pm$ 0.244 χ^2 /NDF: 1341804.2/17

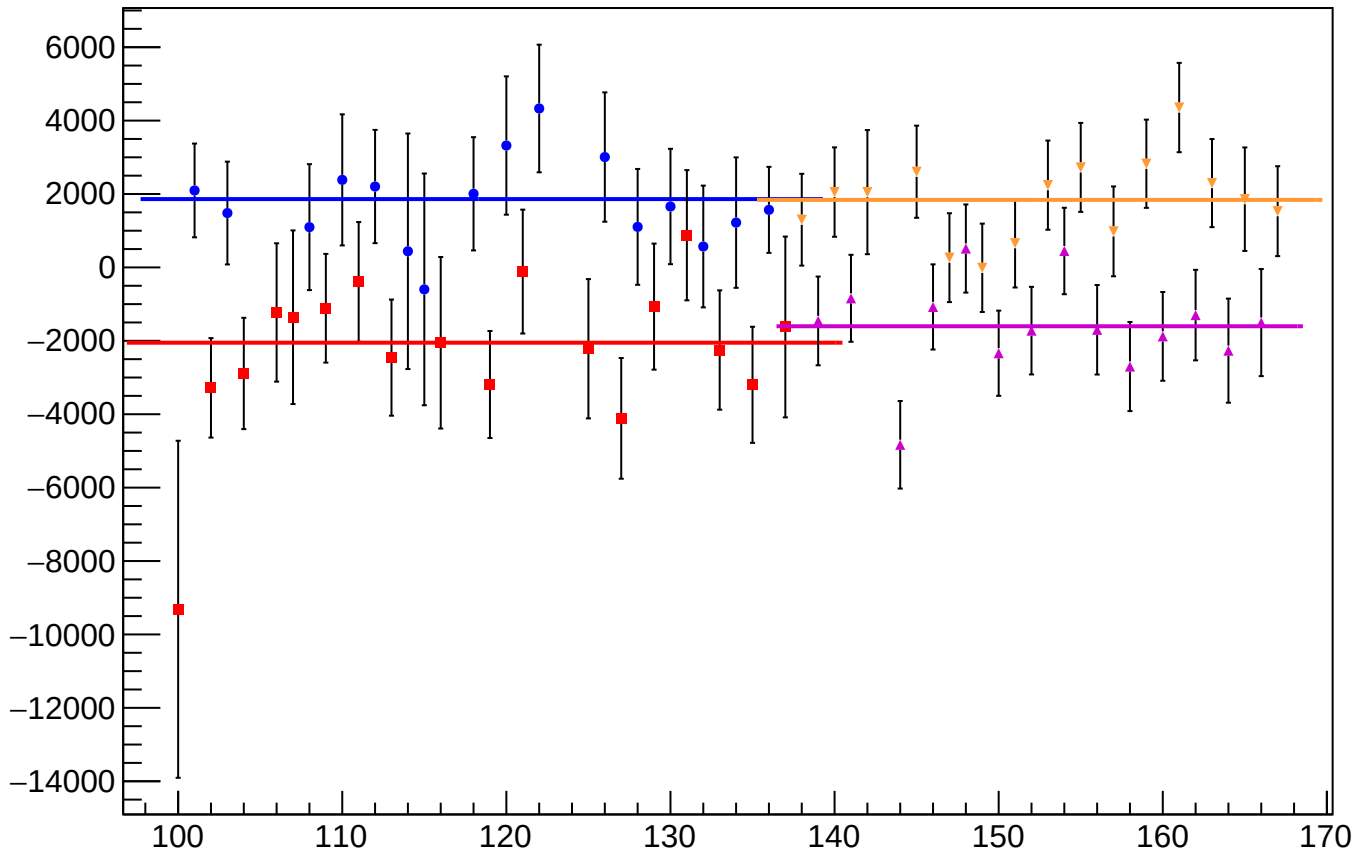
Left In: 1463.959 $\pm$ 0.310 χ^2 /NDF: 581333.7/13

+ sign 1114.336 $\pm$ 0.192 χ^2 /NDF: 3923187.3/30

All: 1112.530 $\pm$ 0.136 χ^2 /NDF: 7955761.5/62

- sign 1110.719 $\pm$ 0.192 χ^2 /NDF: 4032396.3/31

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1839.955 $\pm$ 322.503 χ^2 /NDF:11.9/14

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

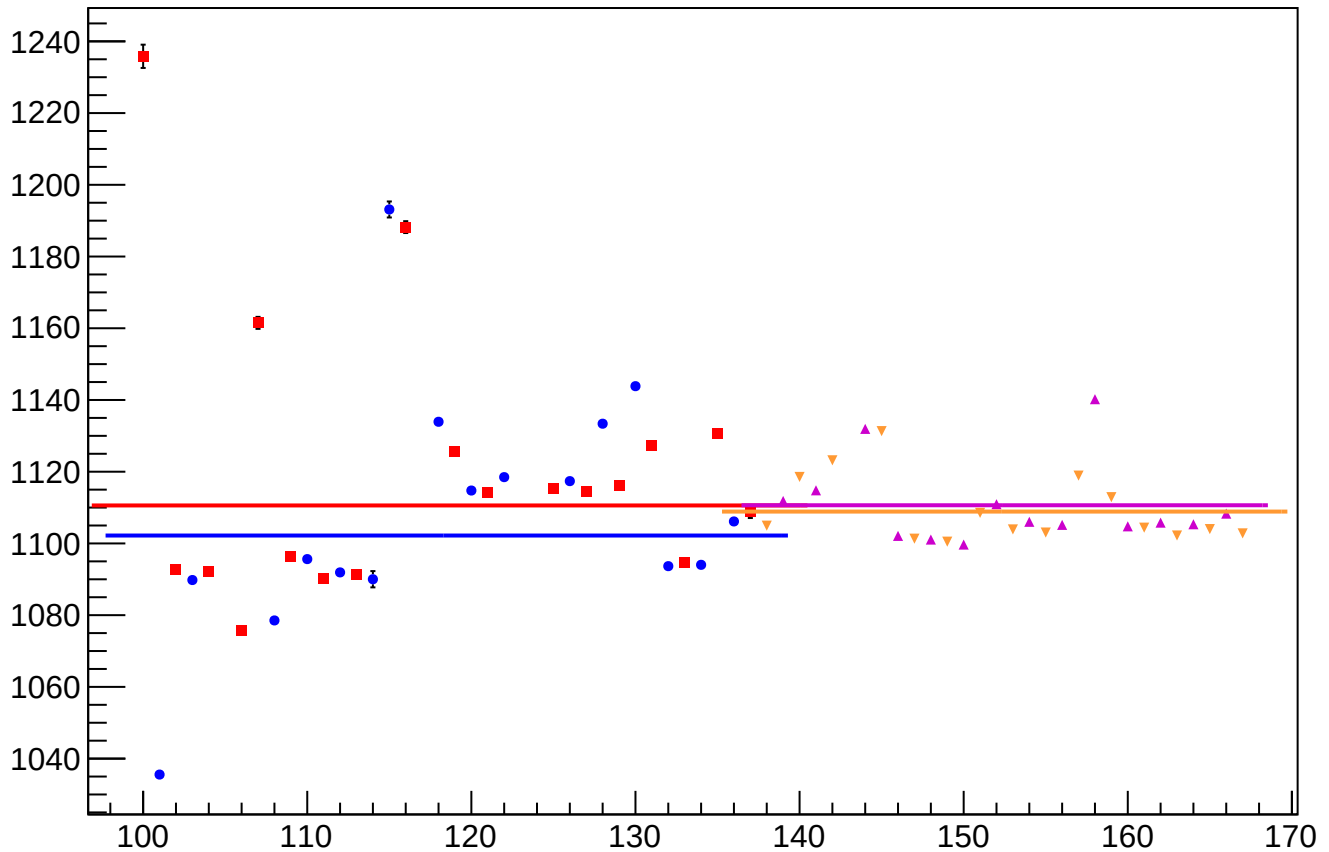
Left In: -1603.100 $\pm$ 326.854 χ^2 /NDF:15.7/13

+ sign 1848.212 $\pm$ 253.369 χ^2 /NDF: 17.2/30

All: 49.813 $\pm$ 179.871 χ^2 /NDF: 147.8/62

- sign -1777.473 $\pm$ 255.396 χ^2 /NDF: 28.9/31

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1108.884 $\pm$ 0.228 χ^2 /NDF: 1501.5/14

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

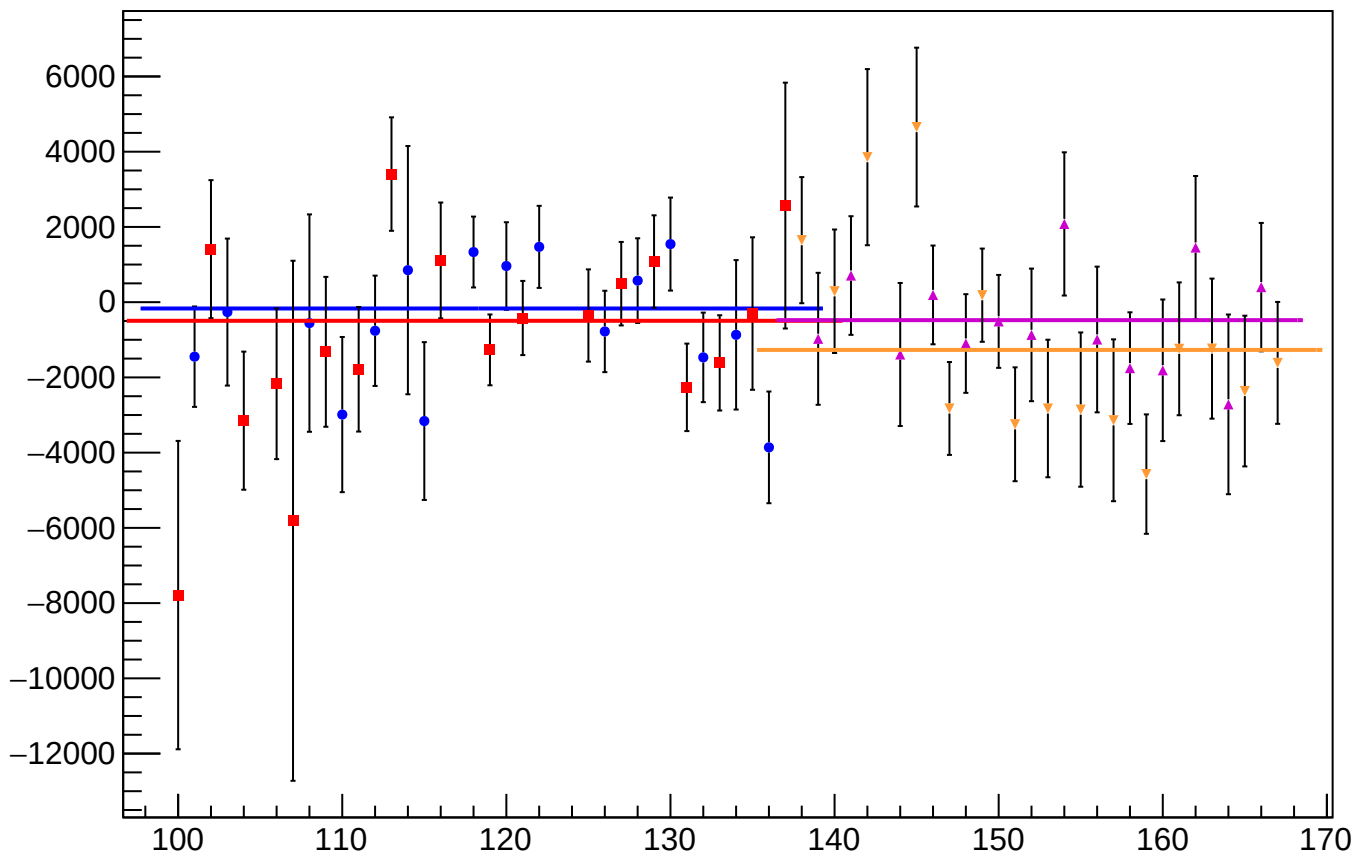
Left In: 1110.646 $\pm$ 0.231 χ^2 /NDF: 2447.4/13

+ sign 1106.328 $\pm$ 0.179 χ^2 /NDF: 13178.8/30

All: 1108.459 $\pm$ 0.127 χ^2 /NDF: 23607.6/62

- sign 1110.625 $\pm$ 0.181 χ^2 /NDF: 10143.5/31

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -167.891 $\pm$ 345.441 χ^2 /NDF: 21.0/15

Left Out: -1268.805 $\pm$ 435.718 χ^2 /NDF:28.0/14

Right Out: -495.172 $\pm$ 345.054 χ^2 /NDF: 23.3/17

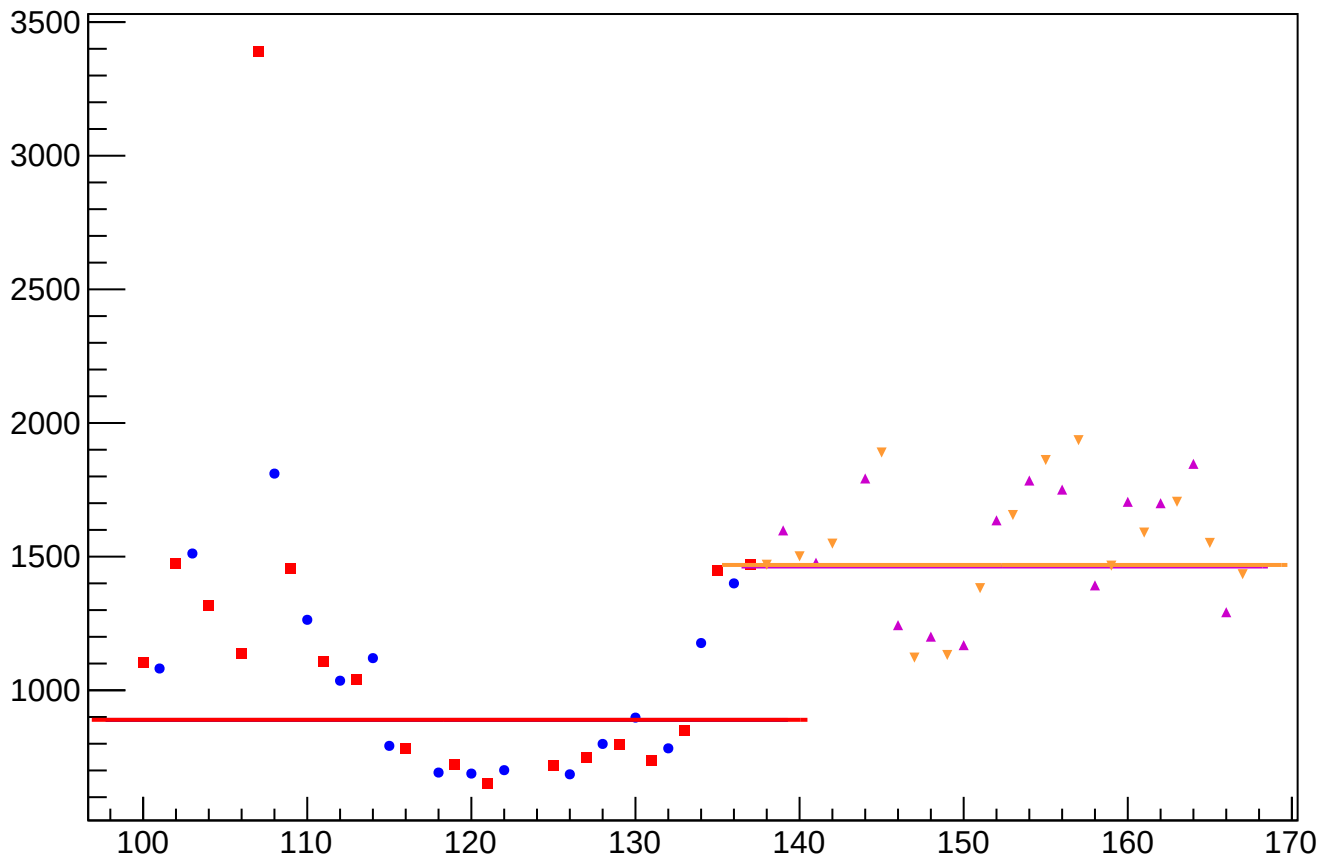
Left In: -478.115 $\pm$ 437.832 χ^2 /NDF:6.7/13

+ sign -592.795 $\pm$ 270.691 χ^2 /NDF: 53.0/30

All: -540.777 $\pm$ 191.520 χ^2 /NDF: 83.0/62

- sign -488.637 $\pm$ 271.008 χ^2 /NDF: 30.0/31

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1468.857 ± 0.308 χ^2/NDF : 628920.5/14

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

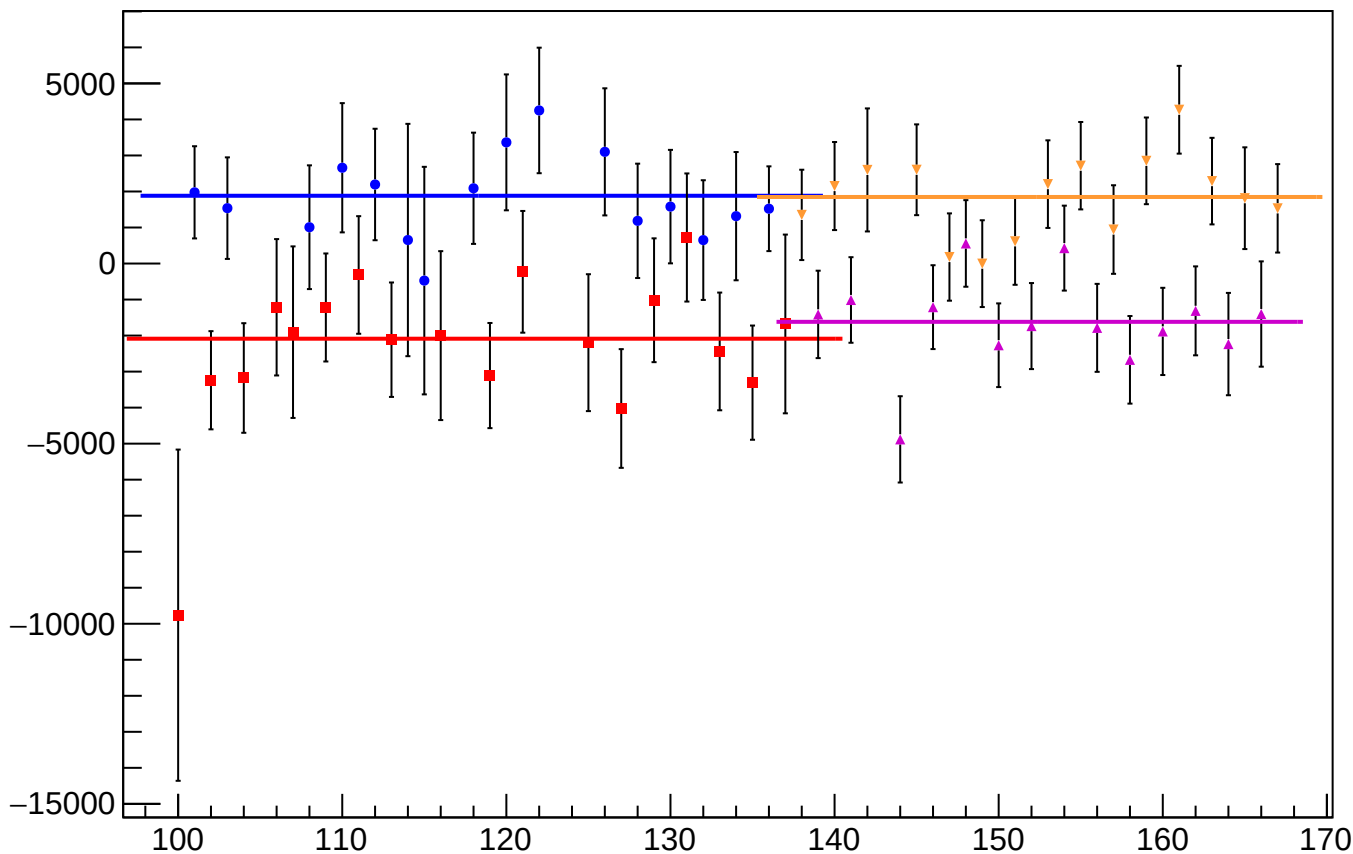
Left In: 1463.034 ± 0.310 χ^2/NDF : 582327.0/13

+ sign 1112.772 ± 0.191 χ^2/NDF : 3937021.9/30

All: 1111.001 ± 0.135 χ^2/NDF : 7982446.3/62

- sign 1109.226 ± 0.192 χ^2/NDF : 4045253.1/31

dit_asym_usl_mean vs Slug



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

Left Out: 1847.685 ± 323.203 χ^2/NDF : 12.1/14

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

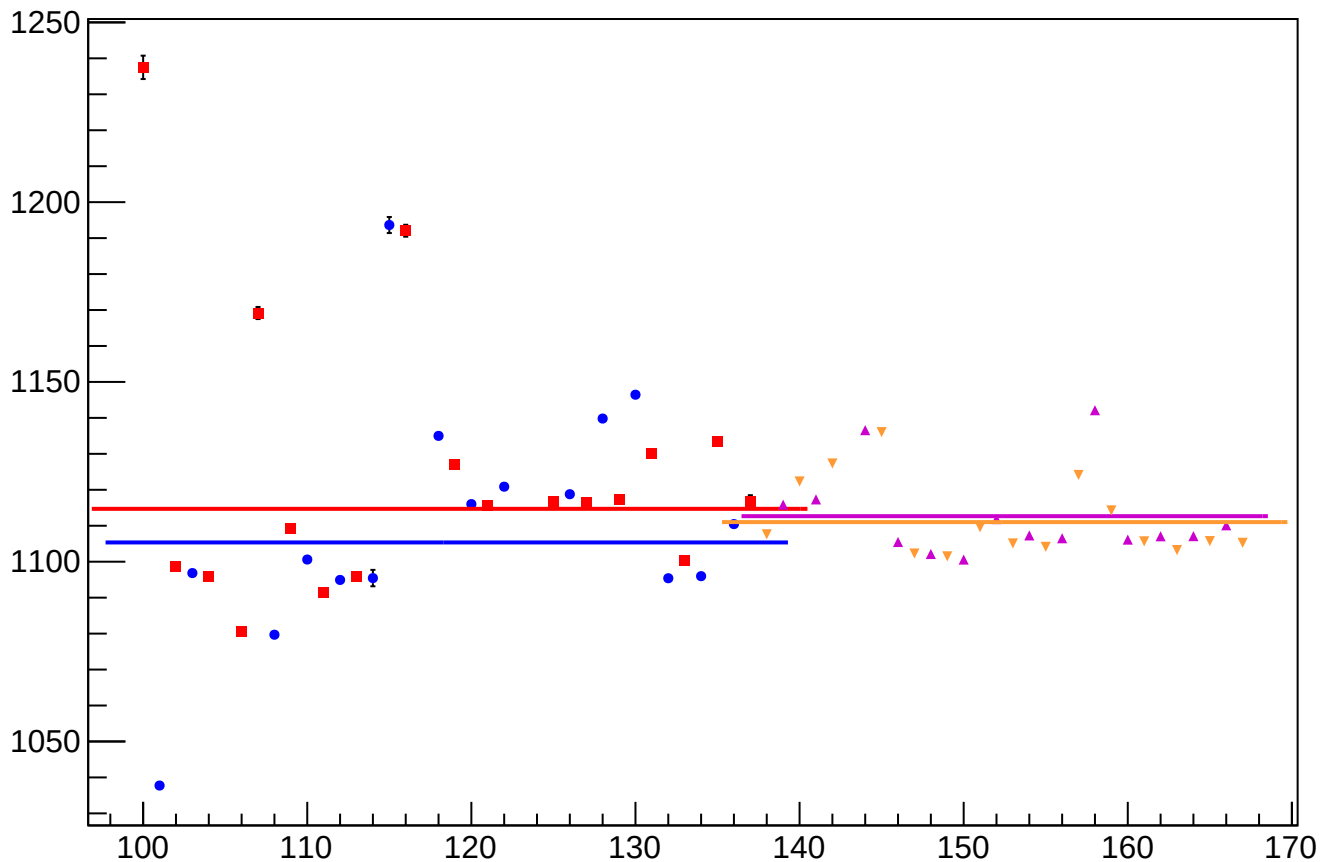
Left In: -1618.435 ± 327.455 χ^2/NDF : 15.5/13

+ sign 1860.627 ± 253.987 χ^2/NDF : 17.2/30

All: 44.937 ± 180.323 χ^2/NDF : 149.0/62

- sign -1800.449 ± 256.056 χ^2/NDF : 28.7/31

dit_asym_usl_rms vs Slug



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

Left Out: 1111.014 ± 0.229 χ^2/NDF : 1936.7/14

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

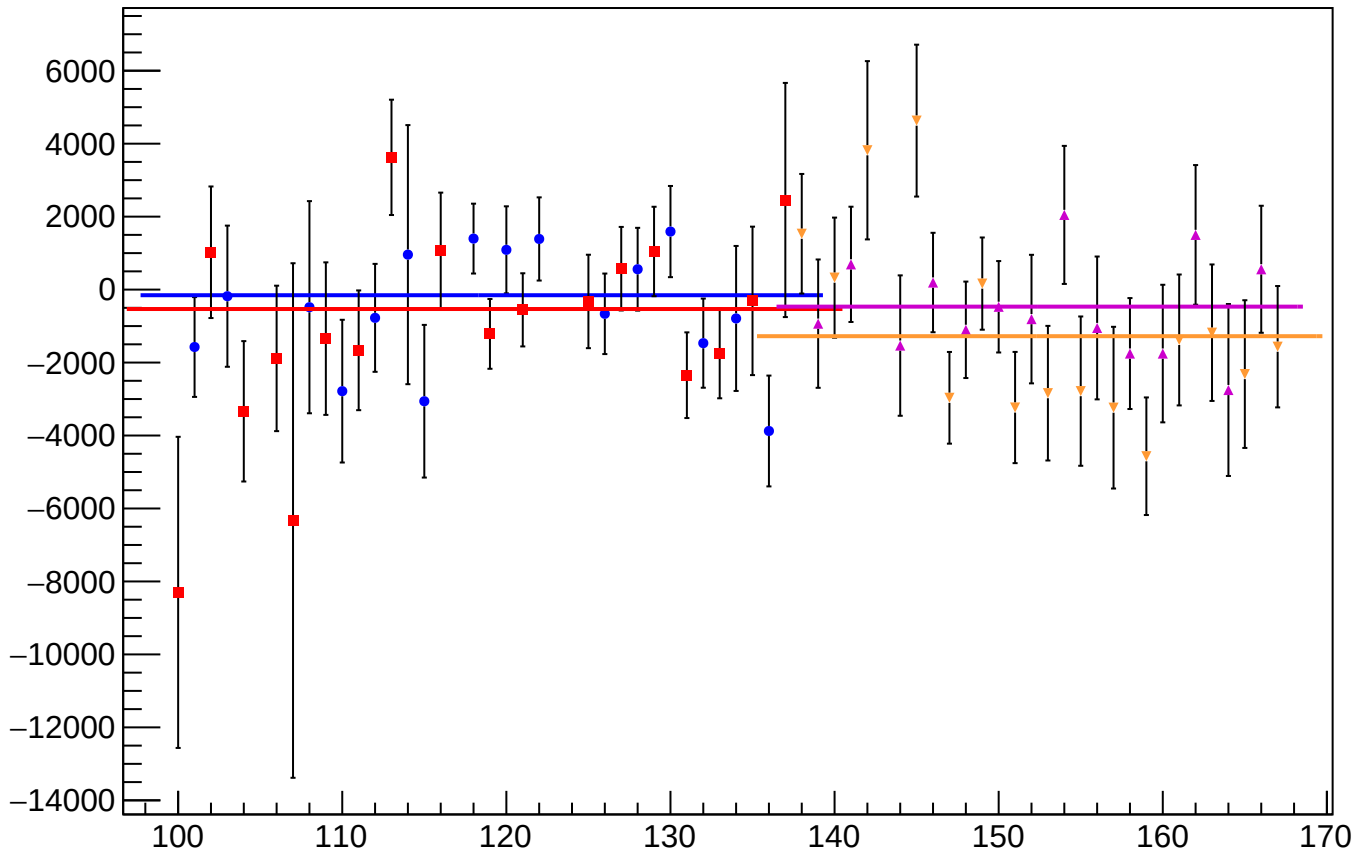
Left In: 1112.662 ± 0.232 χ^2/NDF : 2691.2/13

+ sign 1108.850 ± 0.180 χ^2/NDF : 13502.1/30

All: 1111.134 ± 0.128 χ^2/NDF : 23880.1/62

- sign 1113.456 ± 0.181 χ^2/NDF : 10051.8/31

asym_usl_dit_correction_mean vs Slug



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

Left Out: -1277.077 ± 440.570 χ^2/NDF : 27.6/14

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

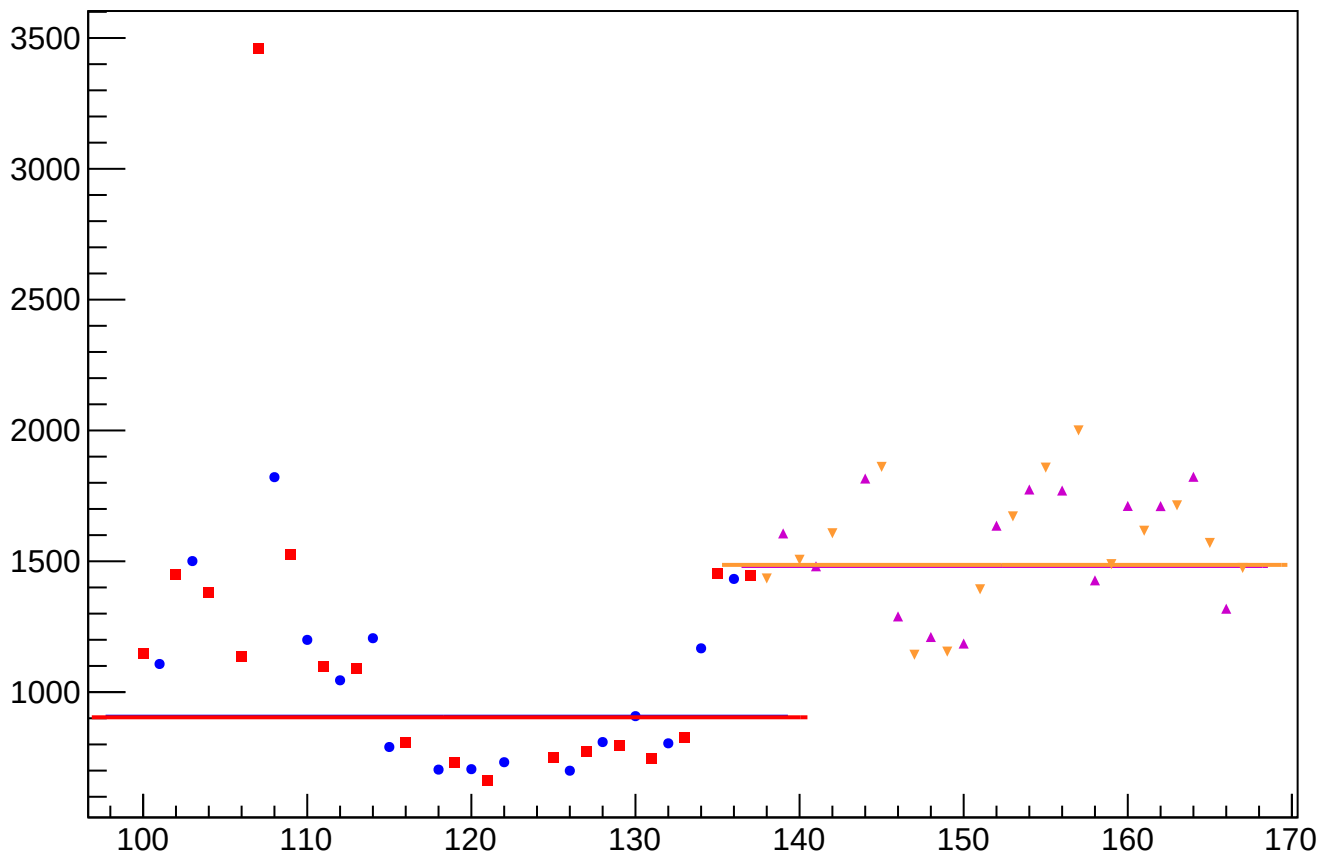
Left In: -466.868 ± 442.775 χ^2/NDF : 6.8/13

+ sign -590.546 ± 274.679 χ^2/NDF : 52.0/30

All: -548.794 ± 194.260 χ^2/NDF : 82.1/62

- sign -507.013 ± 274.772 χ^2/NDF : 30.0/31

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1486.266 $\pm$ 0.312 χ^2 /NDF: 603820.7/14

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

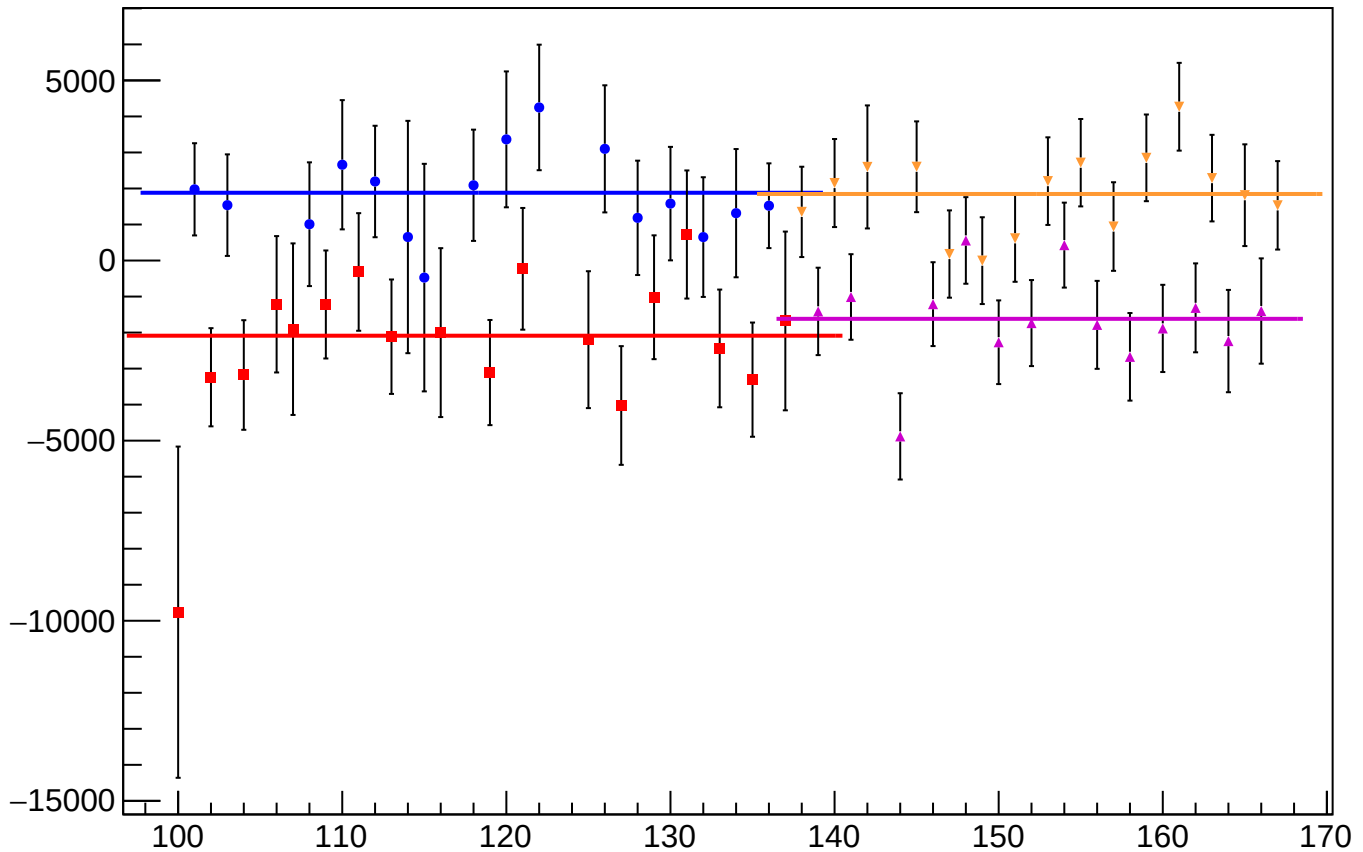
Left In: 1482.020 $\pm$ 0.313 χ^2 /NDF: 533322.4/13

+ sign 1131.575 $\pm$ 0.194 χ^2 /NDF: 3803822.4/30

All: 1129.012 $\pm$ 0.137 χ^2 /NDF: 7775066.3/62

- sign 1126.447 $\pm$ 0.194 χ^2 /NDF: 3970895.5/31

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1847.680+/-323.203 χ^2/NDF :12.1/14

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

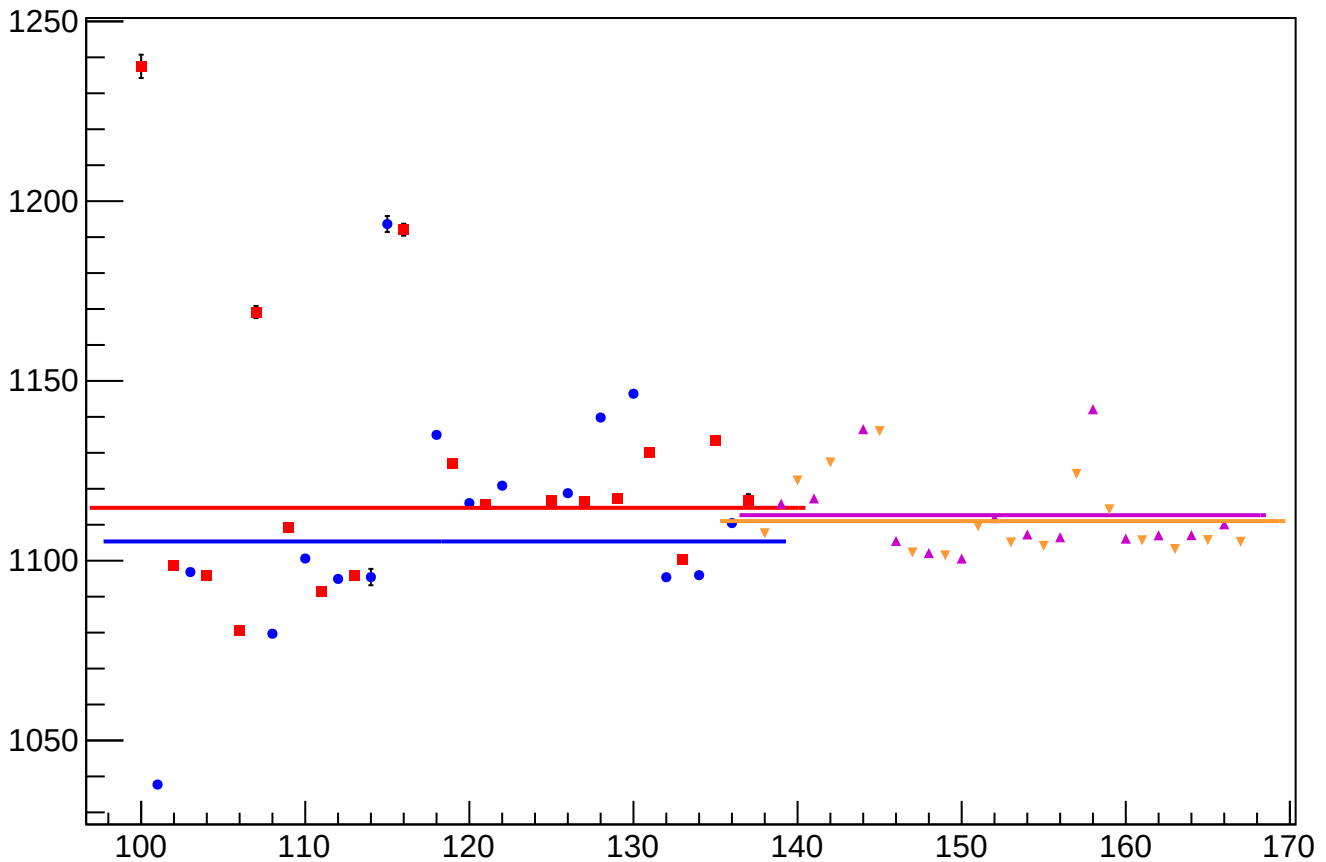
Left In: -1618.437+/-327.455 χ^2/NDF :15.5/13

+ sign 1860.624+/-253.987 χ^2/NDF : 17.2/30

All: 44.935+/-180.323 χ^2/NDF : 149.0/62

- sign -1800.449+/-256.056 χ^2/NDF : 28.7/31

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1111.014 $\pm$ 0.229 χ^2 /NDF:1936.7/14

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

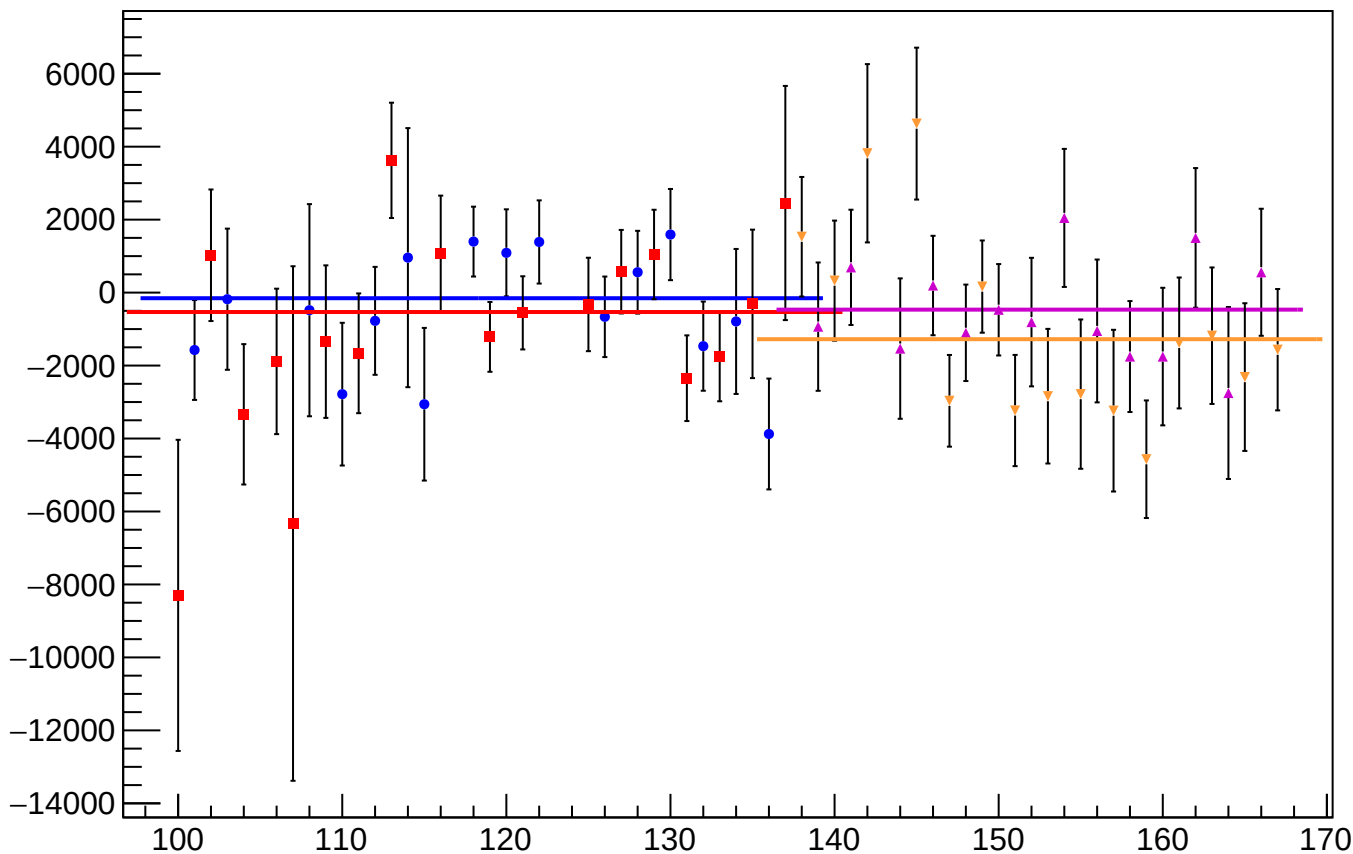
Left In: 1112.662 $\pm$ 0.232 χ^2 /NDF:2691.2/13

+ sign 1108.850 $\pm$ 0.180 χ^2 /NDF: 13502.1/30

All: 1111.134 $\pm$ 0.128 χ^2 /NDF: 23880.0/62

- sign 1113.456 $\pm$ 0.181 χ^2 /NDF: 10051.7/31

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -1277.082 ± 440.570 χ^2/NDF : 27.6/14

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

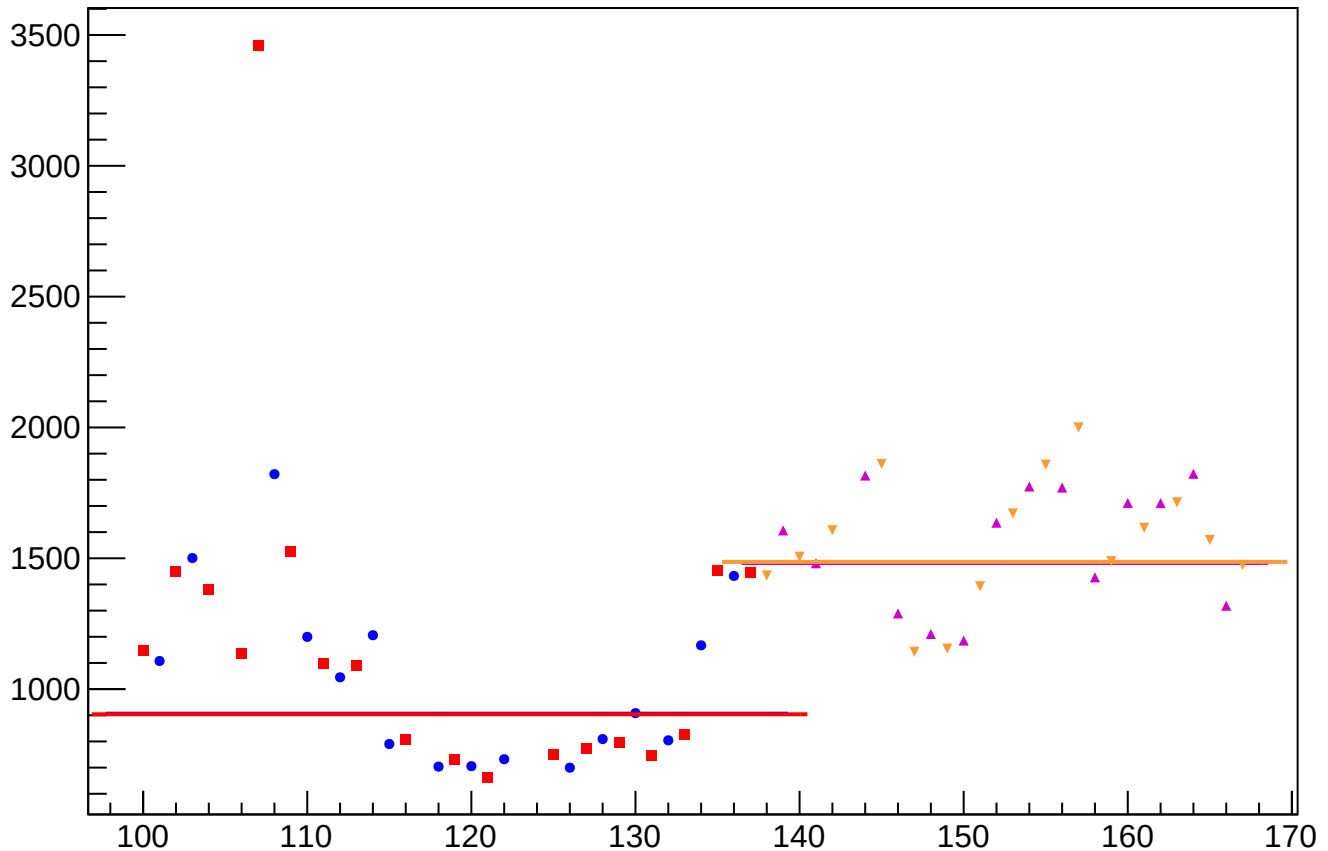
Left In: -466.870 ± 442.776 χ^2/NDF : 6.8/13

+ sign -590.546 ± 274.679 χ^2/NDF : 52.0/30

All: -548.794 ± 194.260 χ^2/NDF : 82.1/62

- sign -507.013 ± 274.772 χ^2/NDF : 30.0/31

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1486.268 $\pm$ 0.312 χ^2 /NDF: 603817.4/14

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

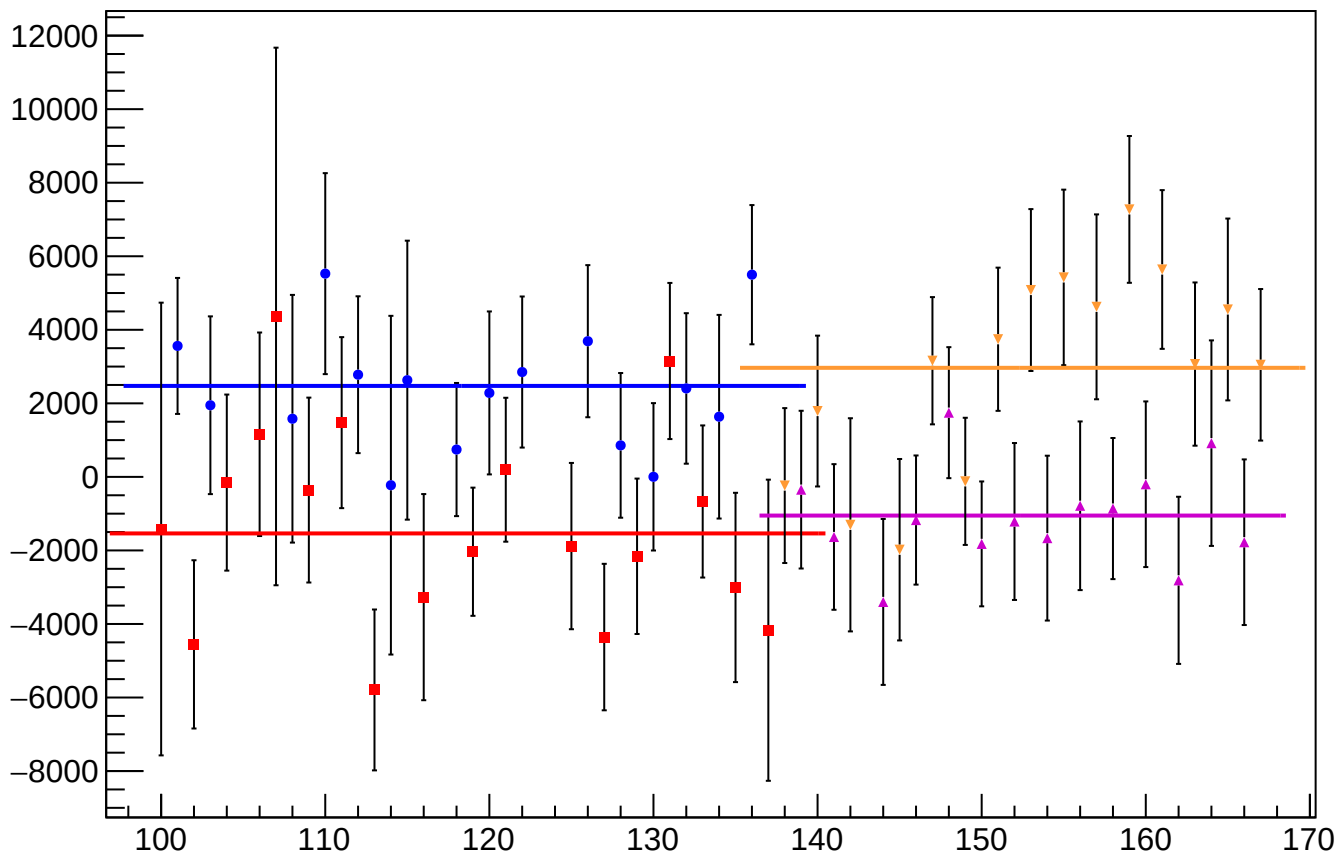
Left In: 1482.022 $\pm$ 0.313 χ^2 /NDF: 533319.2/13

+ sign 1131.573 $\pm$ 0.194 χ^2 /NDF: 3803852.7/30

All: 1129.010 $\pm$ 0.137 χ^2 /NDF: 7775125.8/62

- sign 1126.445 $\pm$ 0.194 χ^2 /NDF: 3970924.8/31

asym_usl_mean vs Slug



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

Left Out: 2965.915+/-551.607 χ^2/NDF : 21.2/14

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

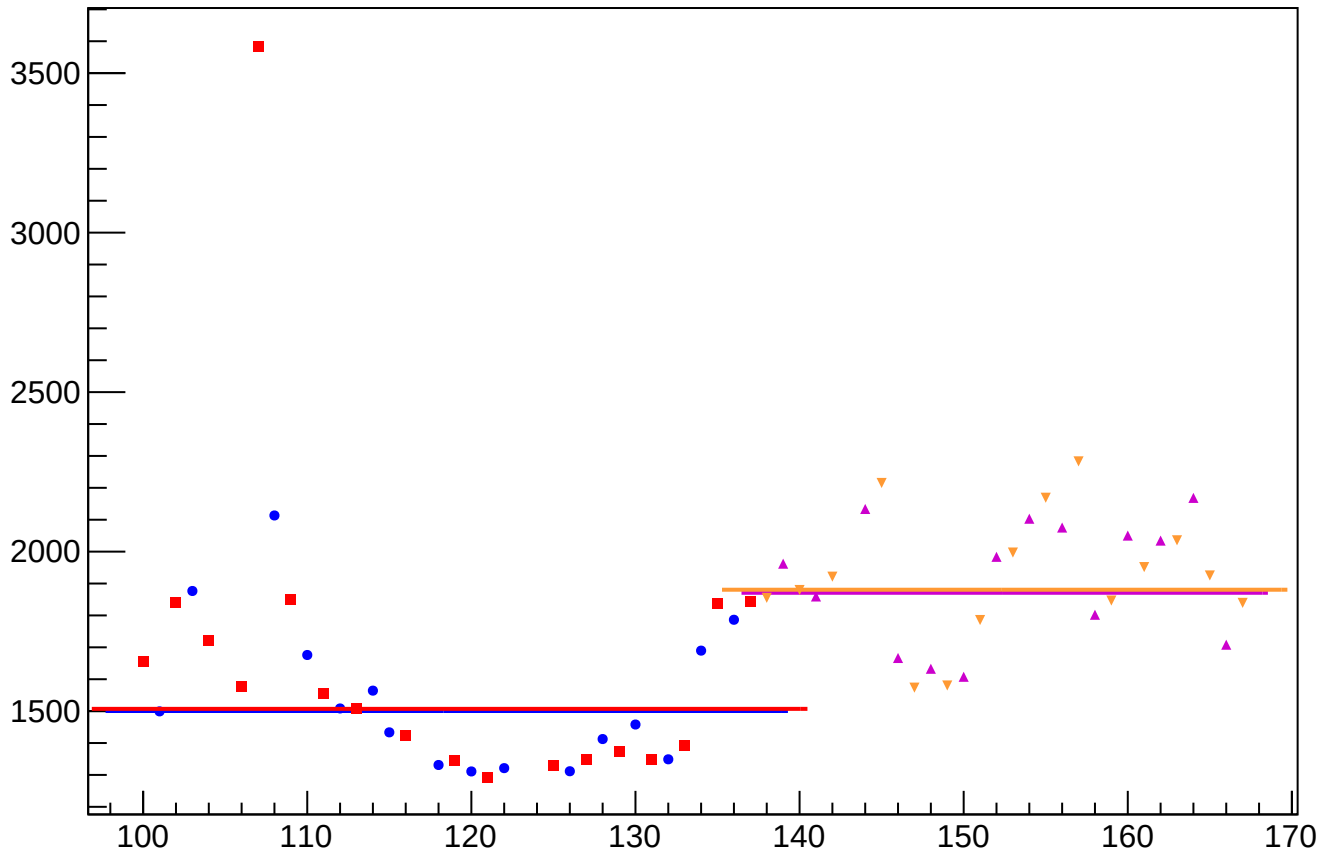
Left In: -1051.932+/-554.571 χ^2/NDF : 5.4/13

+ sign 2724.928+/-393.941 χ^2/NDF : 29.8/30

All: 723.881+/-279.030 χ^2/NDF : 105.9/62

- sign -1290.783+/-395.279 χ^2/NDF : 24.3/31

asym_usl_rms vs Slug



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

Left Out: 1880.569+/-0.390 χ^2/NDF : 265466.0/14

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

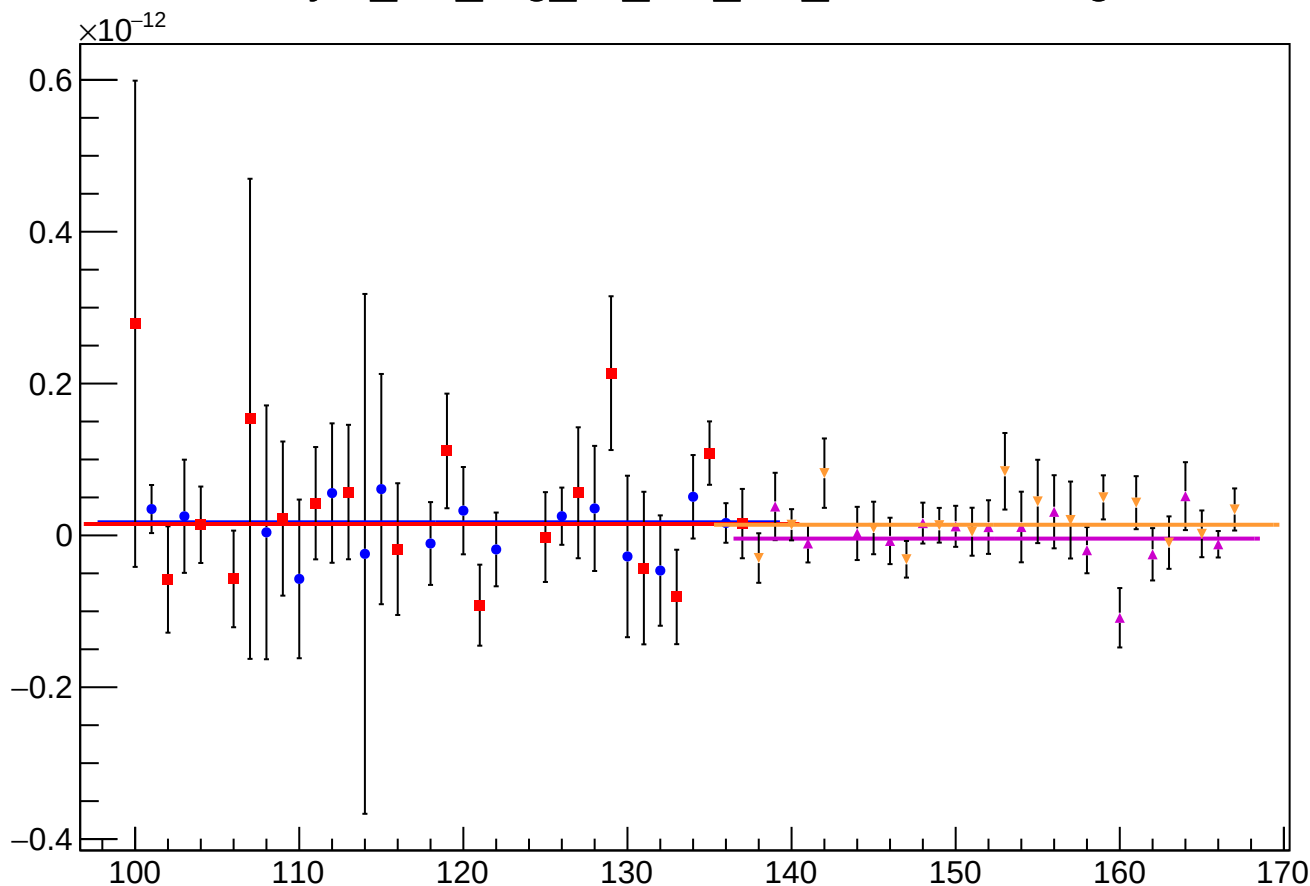
Left In: 1871.019+/-0.392 χ^2/NDF : 243420.5/13

+ sign 1694.290+/-0.279 χ^2/NDF : 989779.1/30

All: 1693.140+/-0.197 χ^2/NDF : 2058166.4/62

- sign 1691.983+/-0.280 χ^2/NDF : 1068353.1/31

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 3.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 13.3/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.3/17

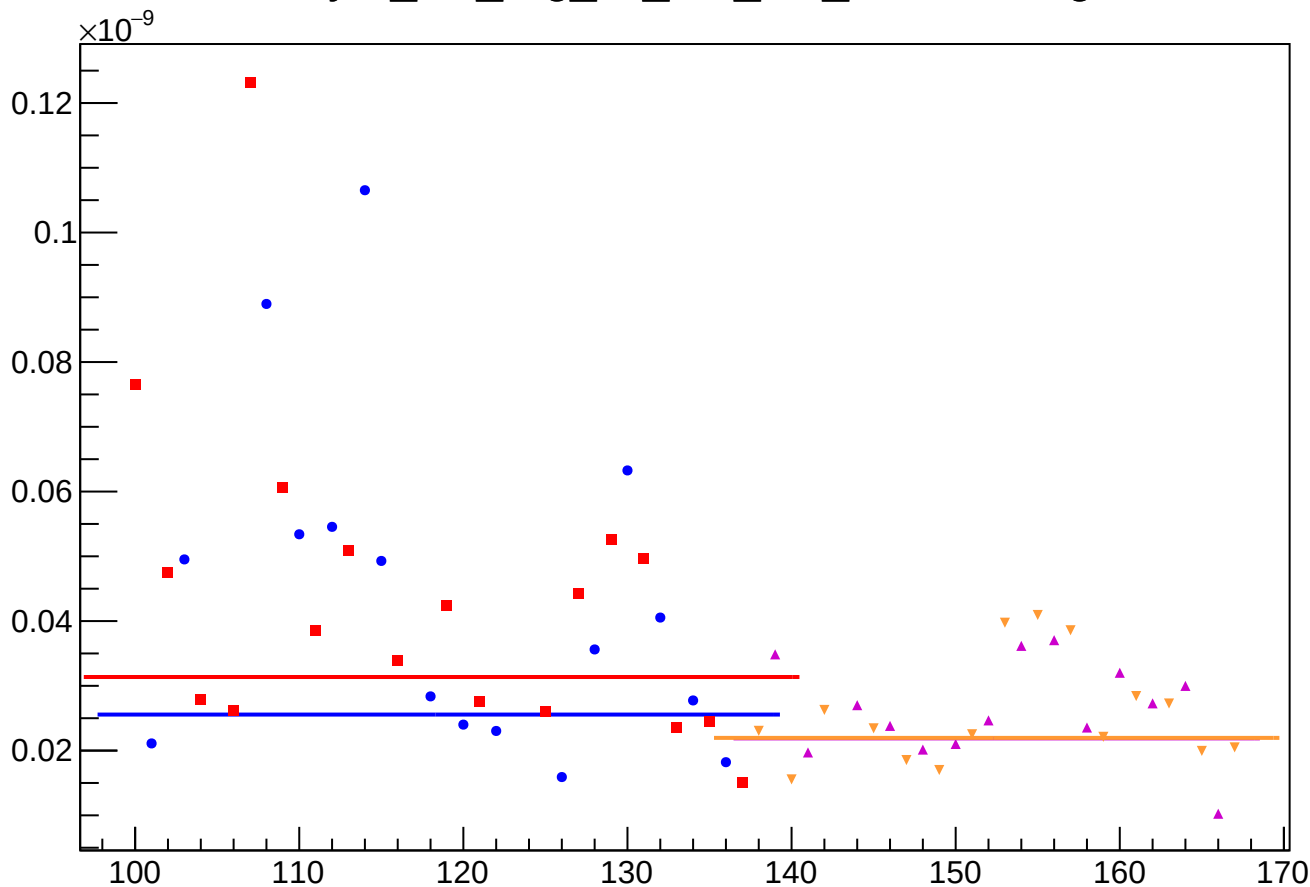
Left In: -0.000 ± 0.000 χ^2/NDF : 12.2/13

+ sign 0.000 ± 0.000 χ^2/NDF : 16.8/30

All: 0.000 ± 0.000 χ^2/NDF : 53.7/62

- sign -0.000 ± 0.000 χ^2/NDF : 34.7/31

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 : 1186287.6/14

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

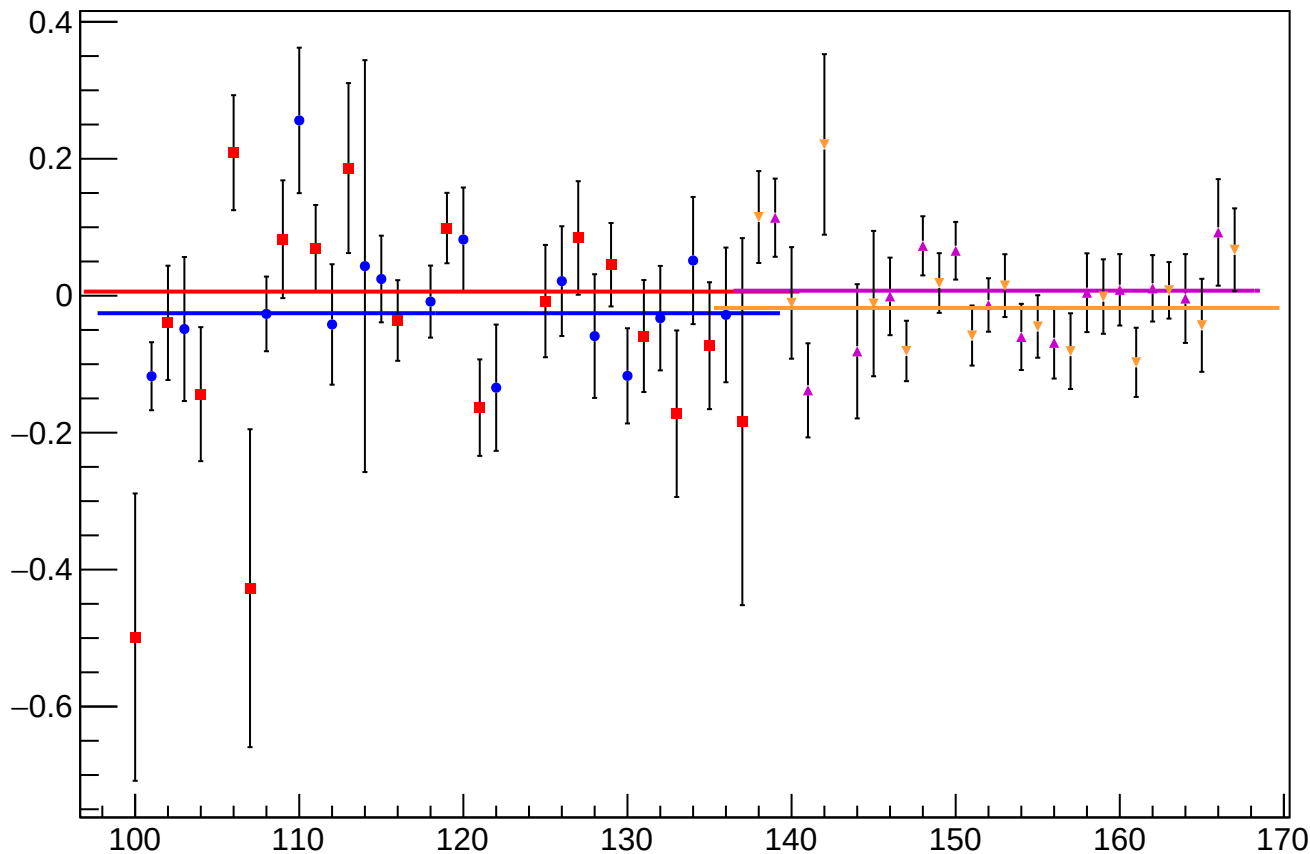
Left In: 0.000+/-0.000 χ^2/NDF : 1793026.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 2999058.3/30

All: 0.000+/-0.000 χ^2/NDF : 6588191.1/62

- sign 0.000+/-0.000 χ^2/NDF : 3571388.8/31

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.018 ± 0.014 χ^2/NDF : 18.0/14

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

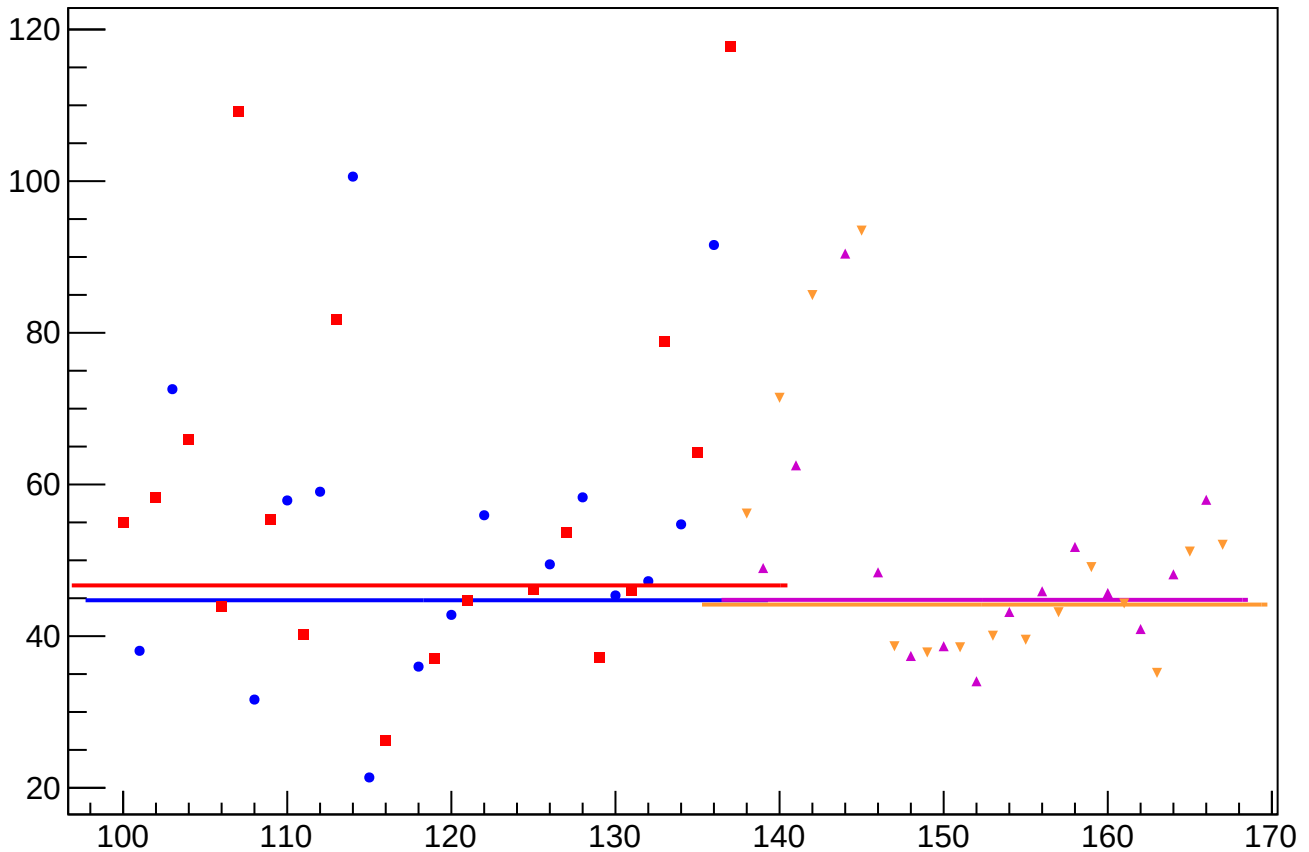
Left In: 0.007 ± 0.014 χ^2/NDF : 18.6/13

+ sign -0.021 ± 0.011 χ^2/NDF : 35.7/30

All: -0.007 ± 0.008 χ^2/NDF : 93.8/62

- sign 0.007 ± 0.011 χ^2/NDF : 55.2/31

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 44.165+/-0.010 χ^2/NDF :1221490.1/14

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

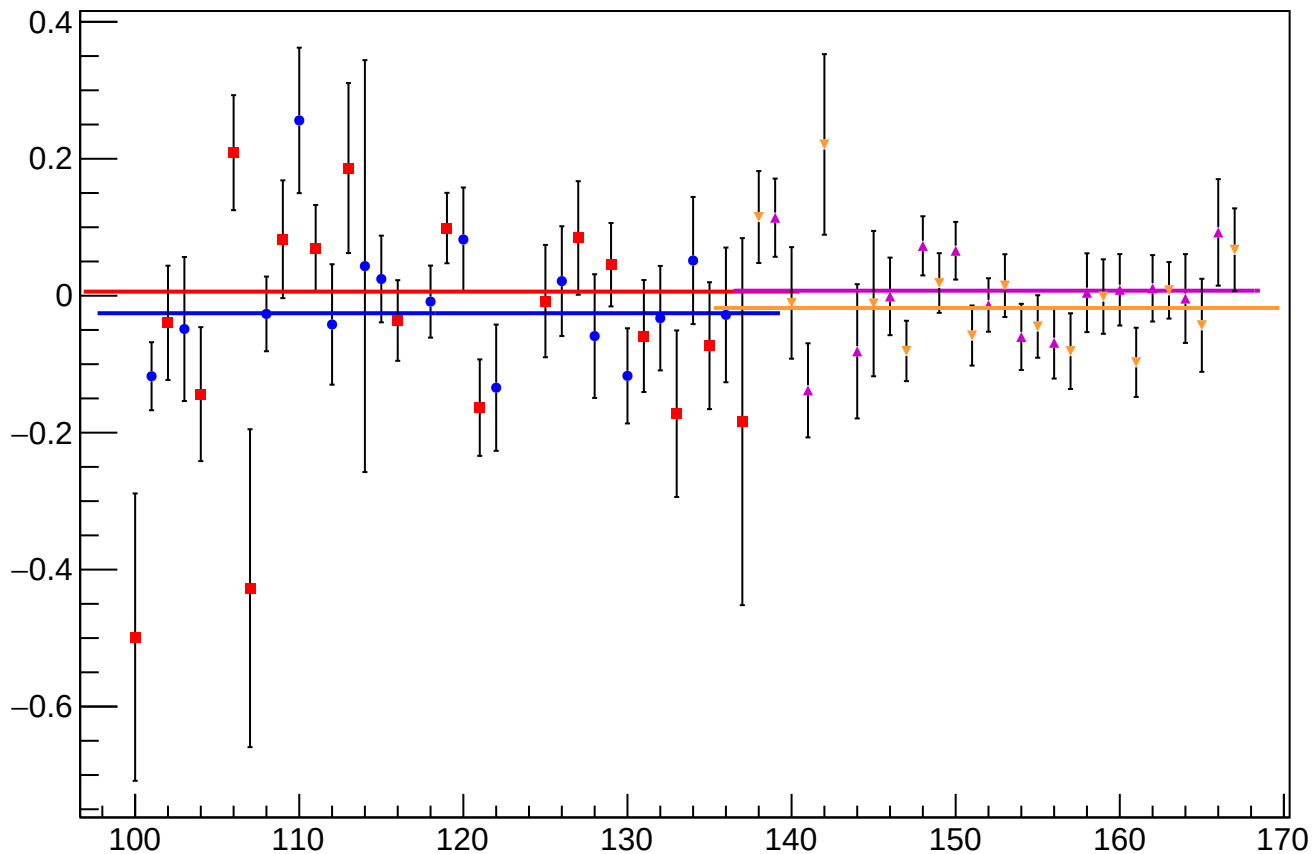
Left In: 44.788+/-0.010 χ^2/NDF :947060.3/13

+ sign 44.366+/-0.008 χ^2/NDF : 2557215.0/30

All: 44.896+/-0.006 χ^2/NDF : 4721475.3/62

- sign 45.450+/-0.008 χ^2/NDF : 2155076.2/31

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.018 ± 0.014 χ^2/NDF : 18.0/14

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

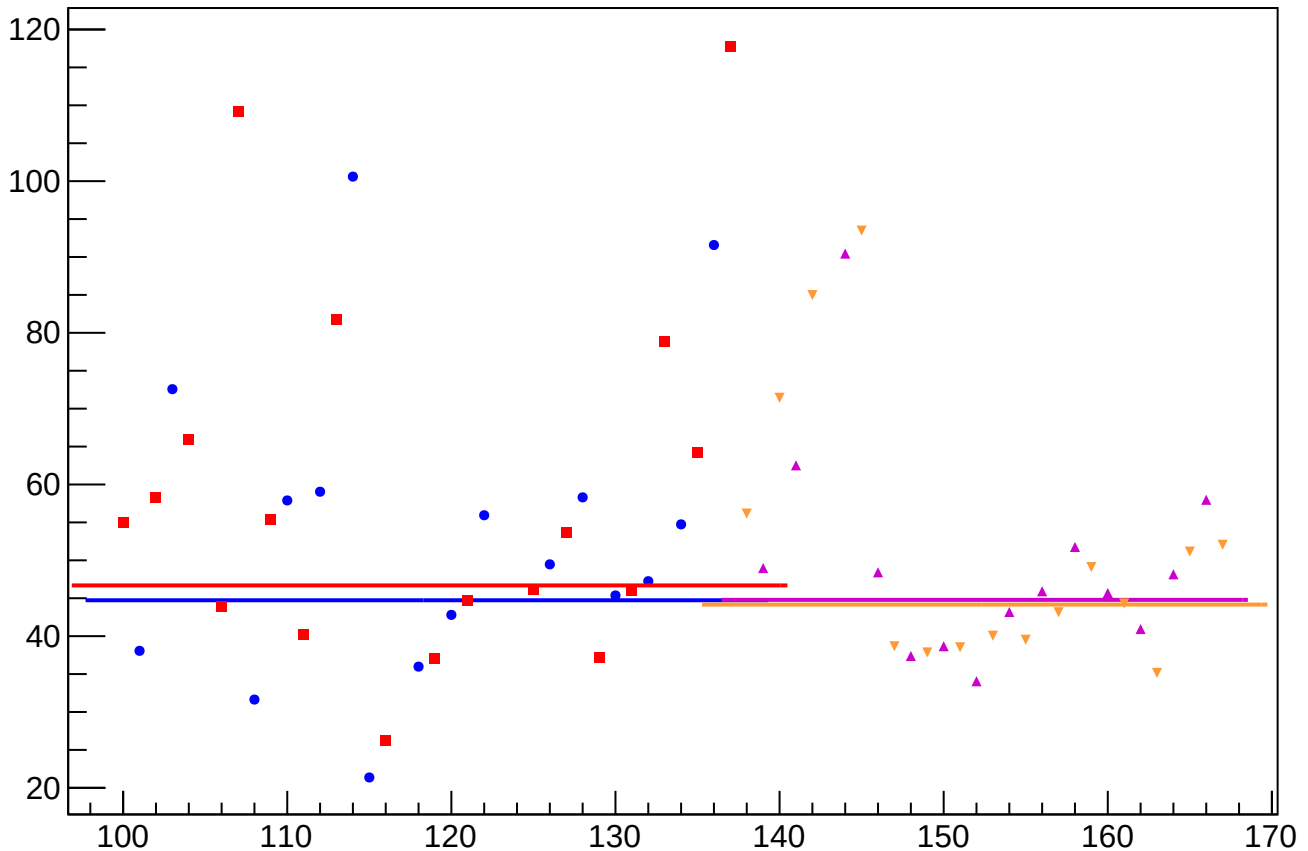
Left In: 0.007 ± 0.014 χ^2/NDF : 18.6/13

+ sign -0.021 ± 0.011 χ^2/NDF : 35.7/30

All: -0.007 ± 0.008 χ^2/NDF : 93.8/62

- sign 0.007 ± 0.011 χ^2/NDF : 55.2/31

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733 $\pm$ 0.013 χ^2/NDF : 1334541.9/15

Left Out: 44.165 $\pm$ 0.010 χ^2/NDF : 1221490.1/14

Right Out: 46.691 $\pm$ 0.014 χ^2/NDF : 1195464.6/17

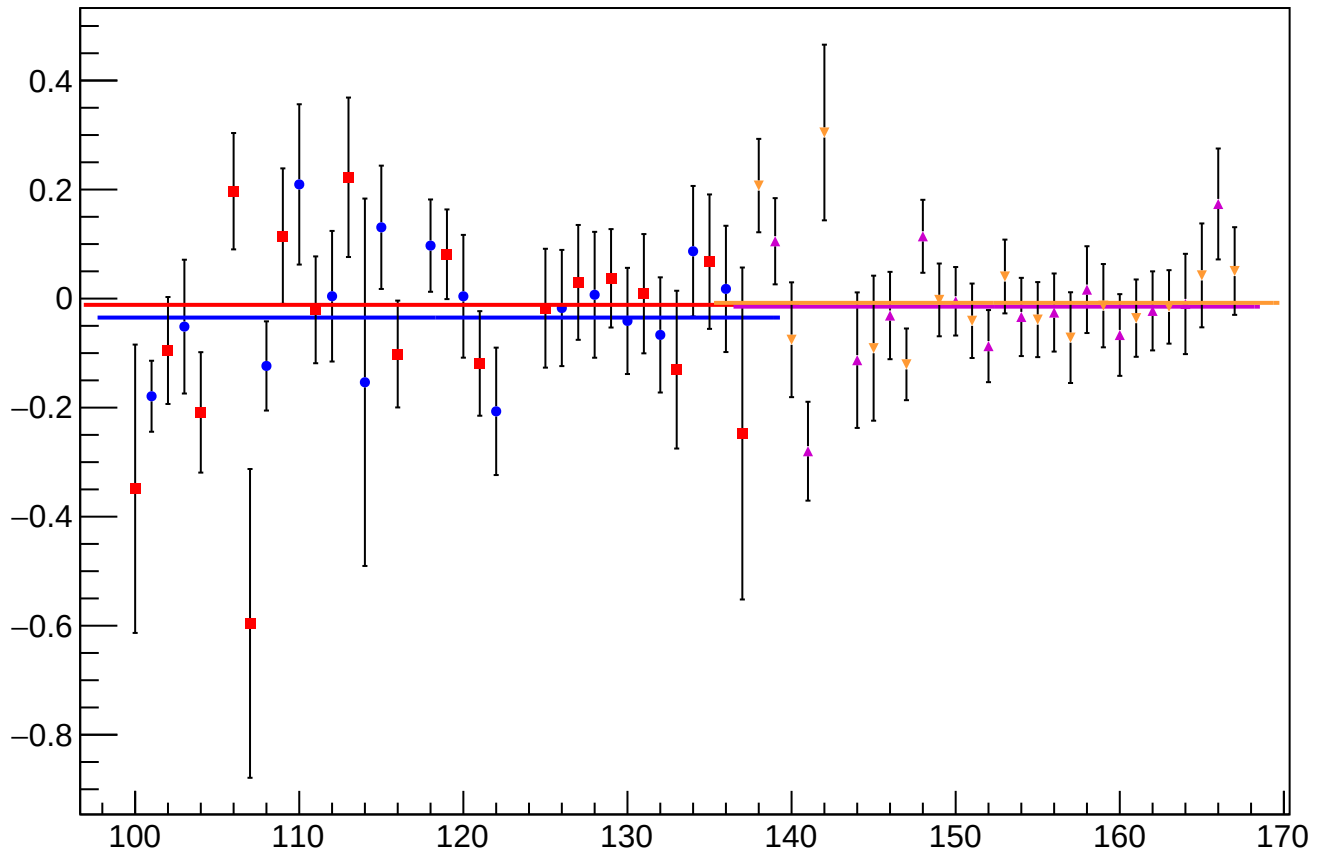
Left In: 44.788 $\pm$ 0.010 χ^2/NDF : 947060.3/13

+ sign 44.366 $\pm$ 0.008 χ^2/NDF : 2557215.0/30

All: 44.896 $\pm$ 0.006 χ^2/NDF : 4721475.3/62

- sign 45.450 $\pm$ 0.008 χ^2/NDF : 2155076.2/31

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.008 ± 0.020 χ^2/NDF : 16.3/14

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

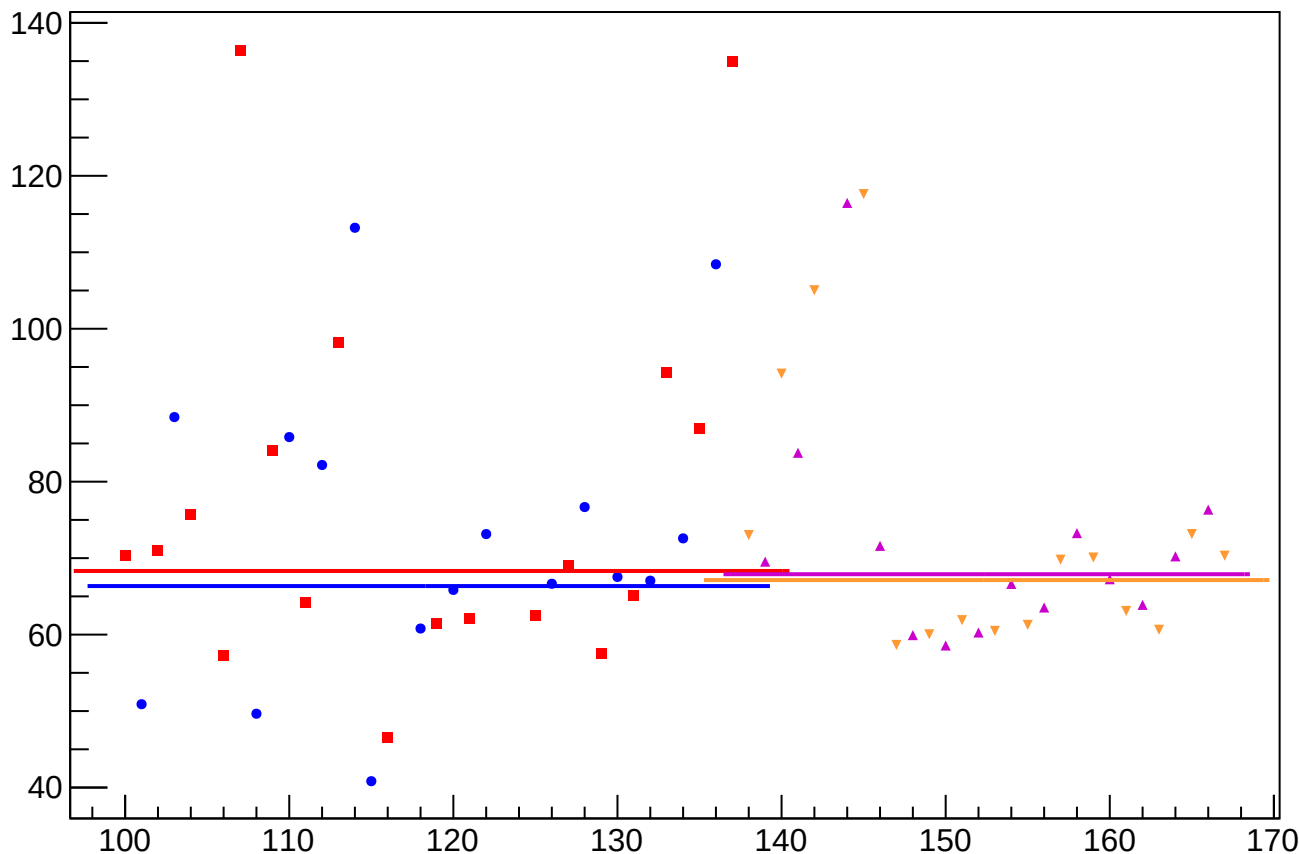
Left In: -0.015 ± 0.021 χ^2/NDF : 20.6/13

+ sign -0.018 ± 0.016 χ^2/NDF : 34.4/30

All: -0.016 ± 0.011 χ^2/NDF : 77.9/62

- sign -0.014 ± 0.016 χ^2/NDF : 43.4/31

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 67.131+/-0.014 χ^2 /NDF: 682429.8/14

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

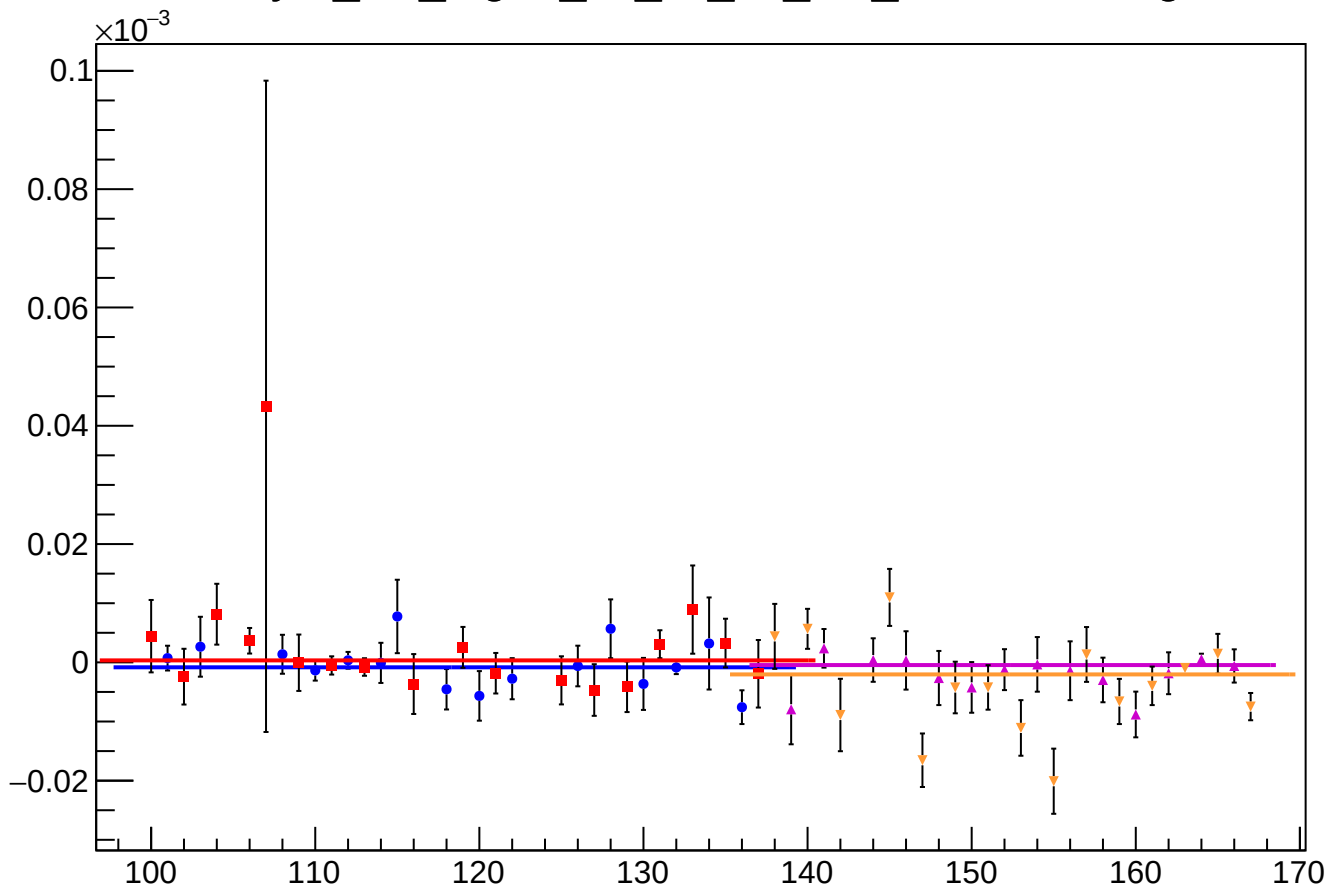
Left In: 67.898+/-0.015 χ^2 /NDF: 509118.0/13

+ sign 66.838+/-0.011 χ^2 /NDF: 1456192.1/30

All: 67.435+/-0.008 χ^2 /NDF: 2600918.0/62

- sign 68.056+/-0.012 χ^2 /NDF: 1139100.1/31

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 : 51.4/14

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

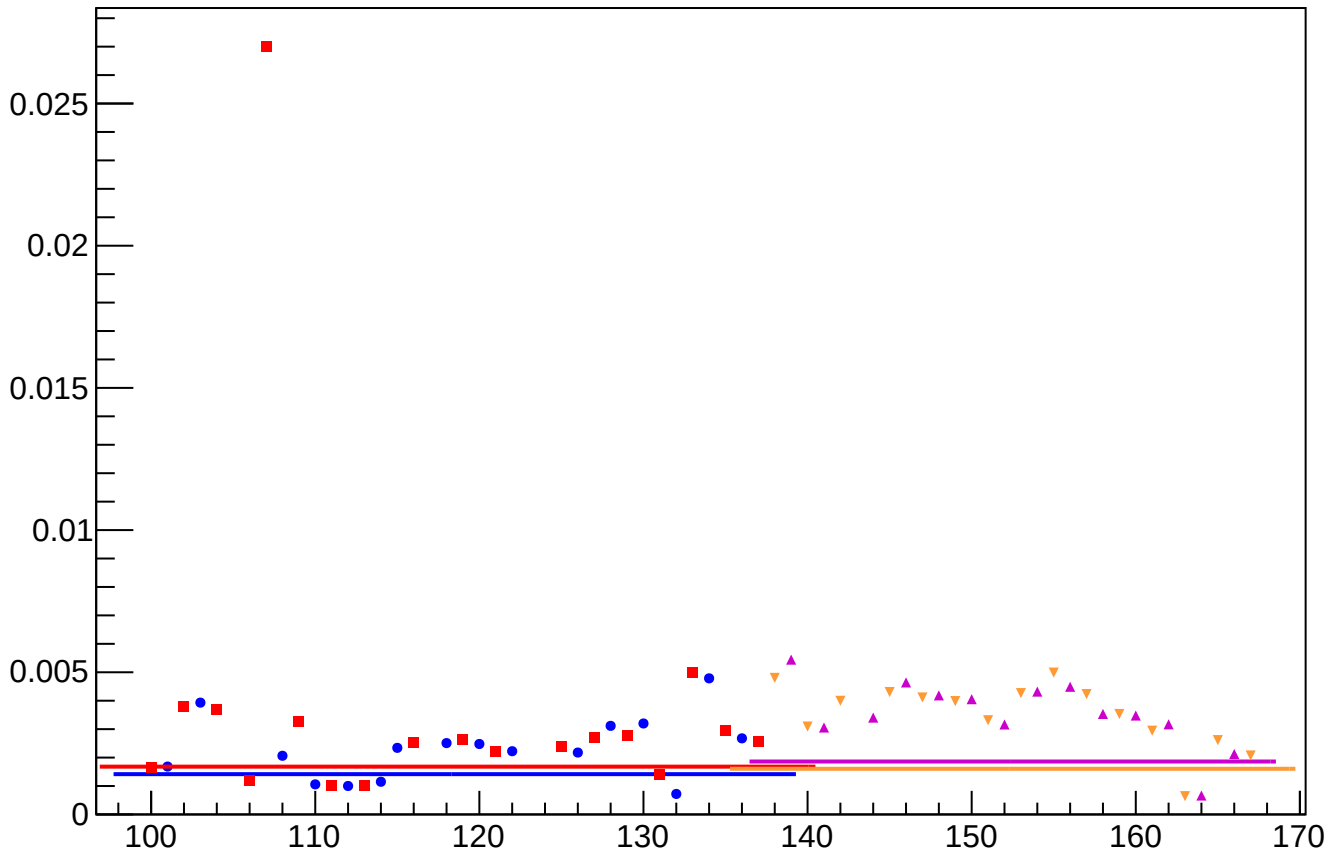
Left In: -0.000 ± 0.000 χ^2/NDF : 9.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 68.2/30

All: -0.000 ± 0.000 χ^2/NDF : 97.7/62

- sign -0.000 ± 0.000 χ^2/NDF : 25.3/31

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 3547259.2/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:9791332.2/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3427218.5/17

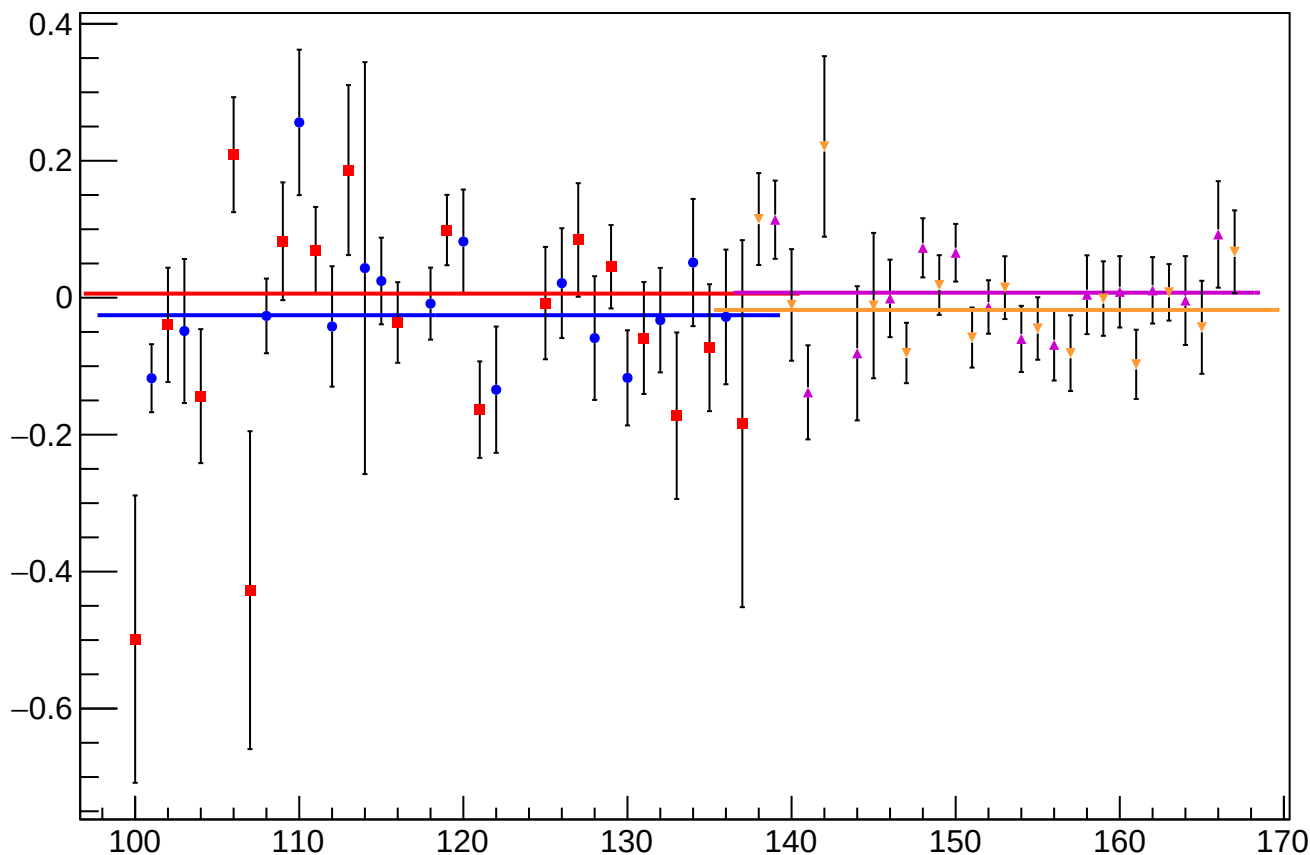
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:8745646.6/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13431867.8/30

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 25977253.1/62

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12236546.8/31

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.018 ± 0.014 χ^2/NDF : 18.0/14

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

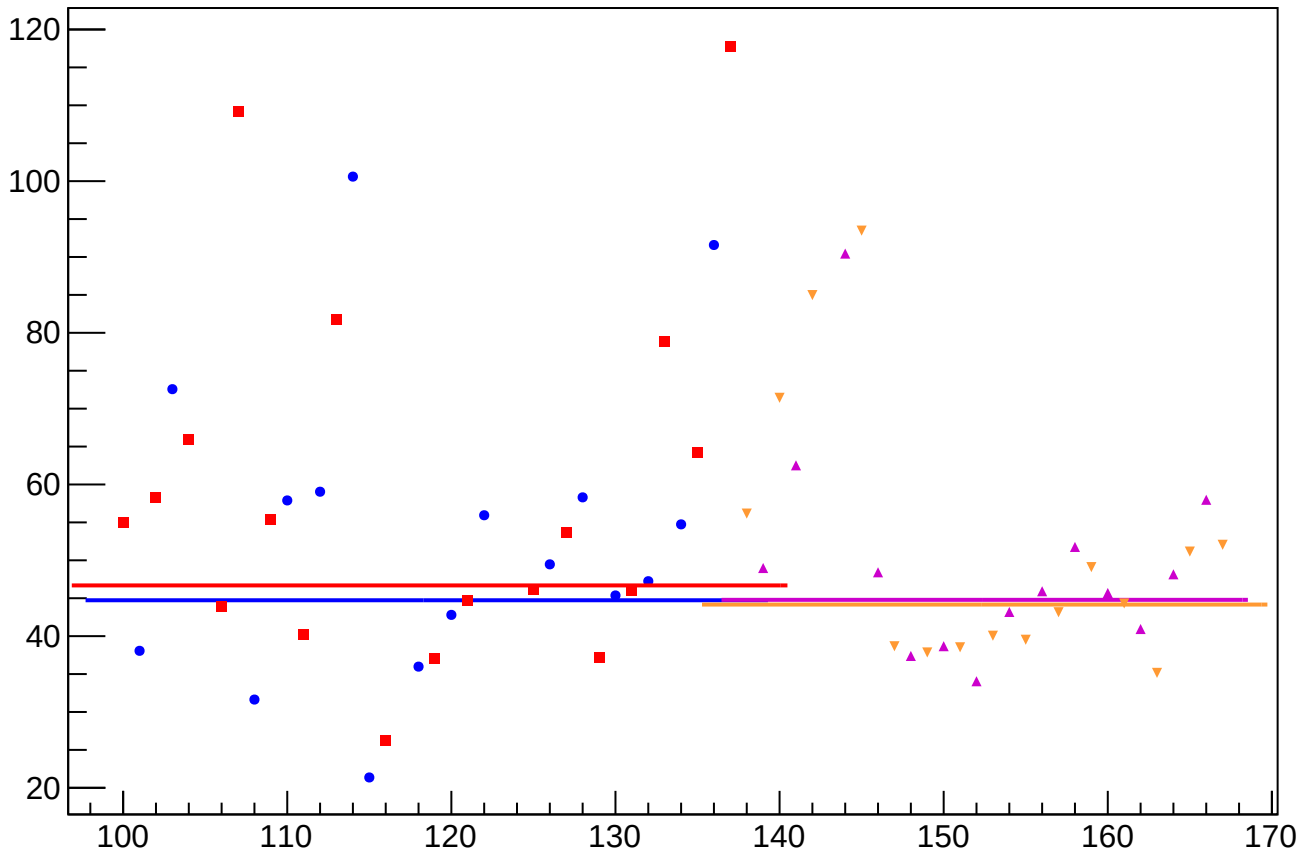
Left In: 0.007 ± 0.014 χ^2/NDF : 18.6/13

+ sign -0.021 ± 0.011 χ^2/NDF : 35.7/30

All: -0.007 ± 0.008 χ^2/NDF : 93.8/62

- sign 0.007 ± 0.011 χ^2/NDF : 55.2/31

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: 44.165 $\pm$ 0.010 χ^2 /NDF:1221455.7/14

Right Out: 46.690 $\pm$ 0.014 χ^2 /NDF: 1195504.1/17

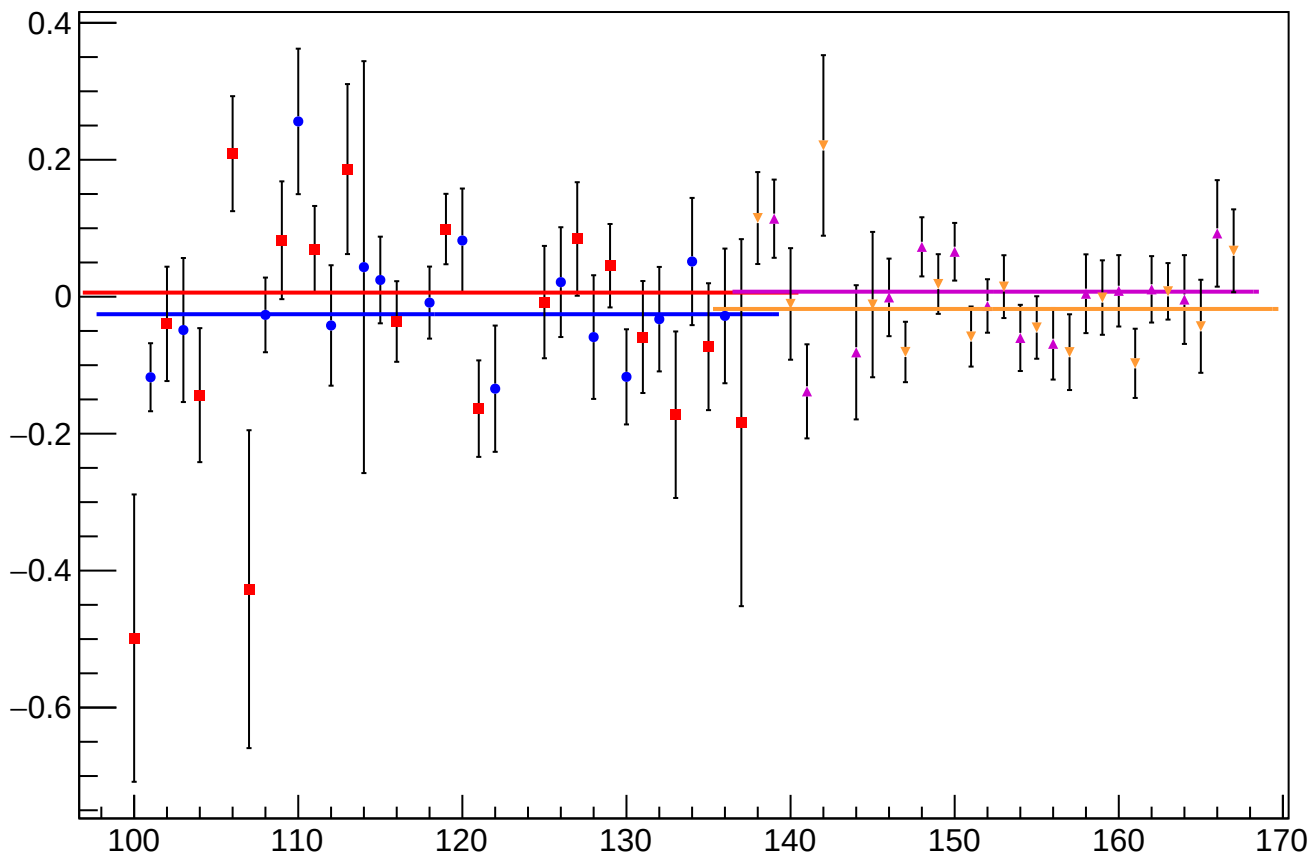
Left In: 44.788 $\pm$ 0.010 χ^2 /NDF:947036.7/13

+ sign 44.366 $\pm$ 0.008 χ^2 /NDF: 2557237.9/30

All: 44.895 $\pm$ 0.006 χ^2 /NDF: 4721499.4/62

- sign 45.450 $\pm$ 0.008 χ^2 /NDF: 2155076.7/31

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: -0.018 ± 0.014 χ^2/NDF : 18.0/14

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

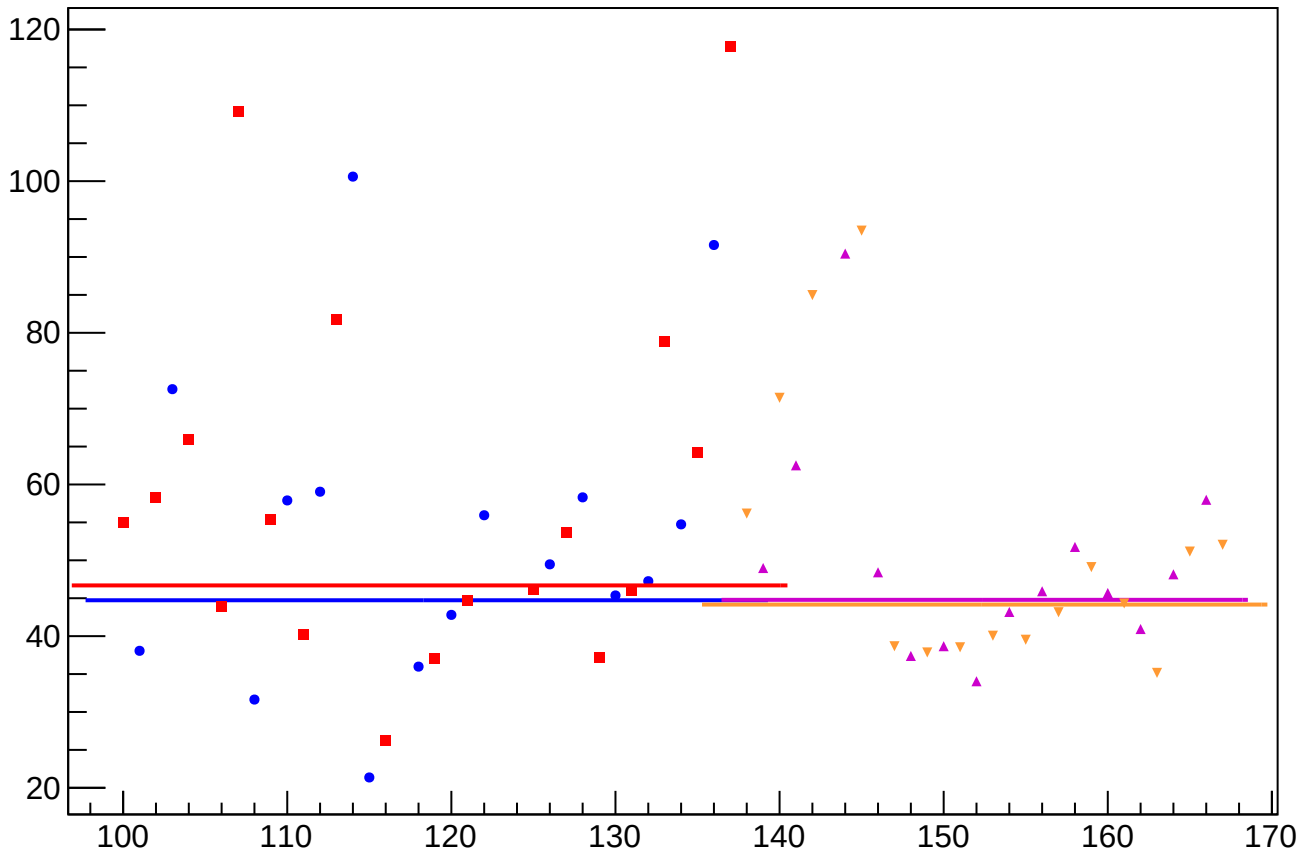
Left In: 0.007 ± 0.014 χ^2/NDF : 18.6/13

+ sign -0.021 ± 0.011 χ^2/NDF : 35.7/30

All: -0.007 ± 0.008 χ^2/NDF : 93.8/62

- sign 0.007 ± 0.011 χ^2/NDF : 55.2/31

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF : 1334604.0/15

Left Out: 44.165+/-0.010 χ^2/NDF : 1221455.7/14

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

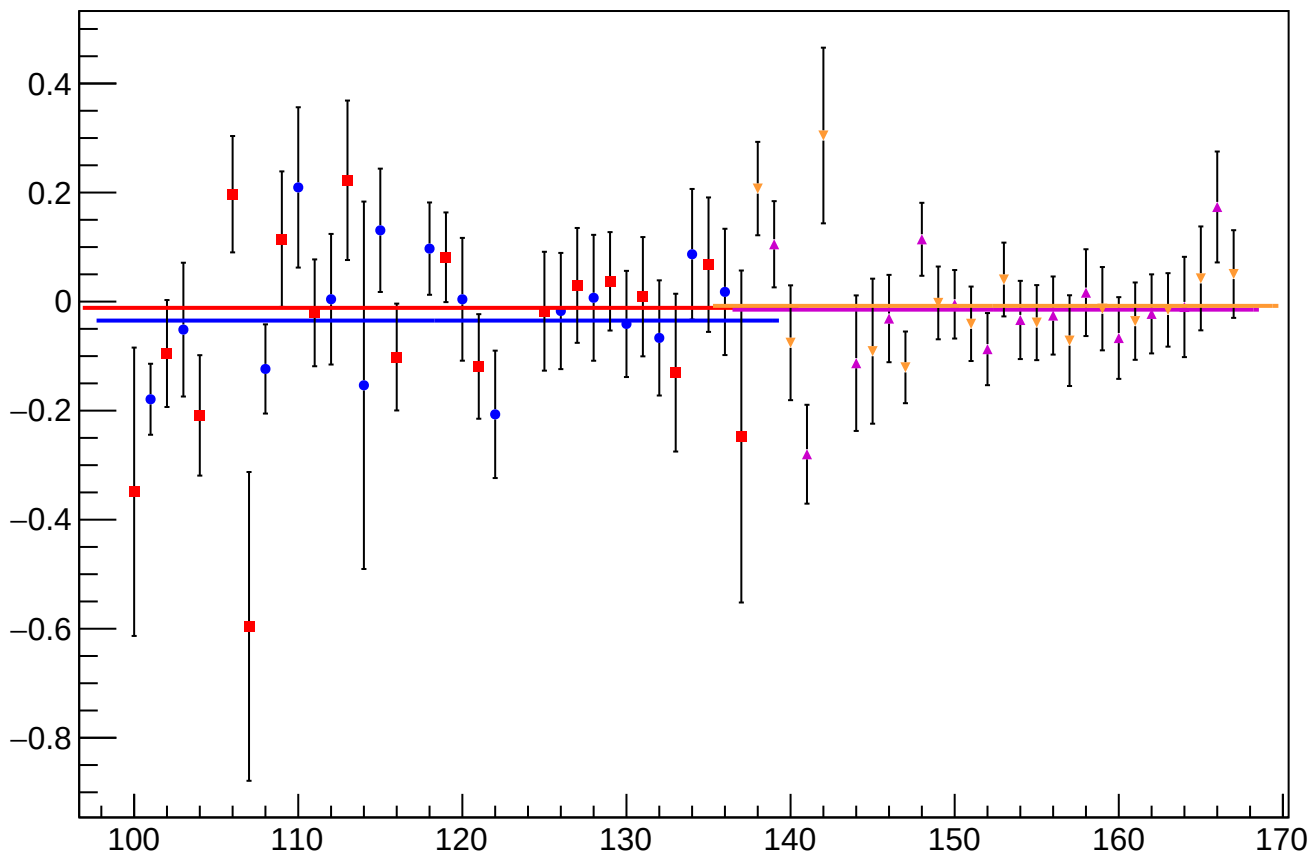
Left In: 44.788+/-0.010 χ^2/NDF : 947036.7/13

+ sign 44.366+/-0.008 χ^2/NDF : 2557237.9/30

All: 44.895+/-0.006 χ^2/NDF : 4721499.4/62

- sign 45.450+/-0.008 χ^2/NDF : 2155076.7/31

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: -0.008 ± 0.020 χ^2/NDF : 16.3/14

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

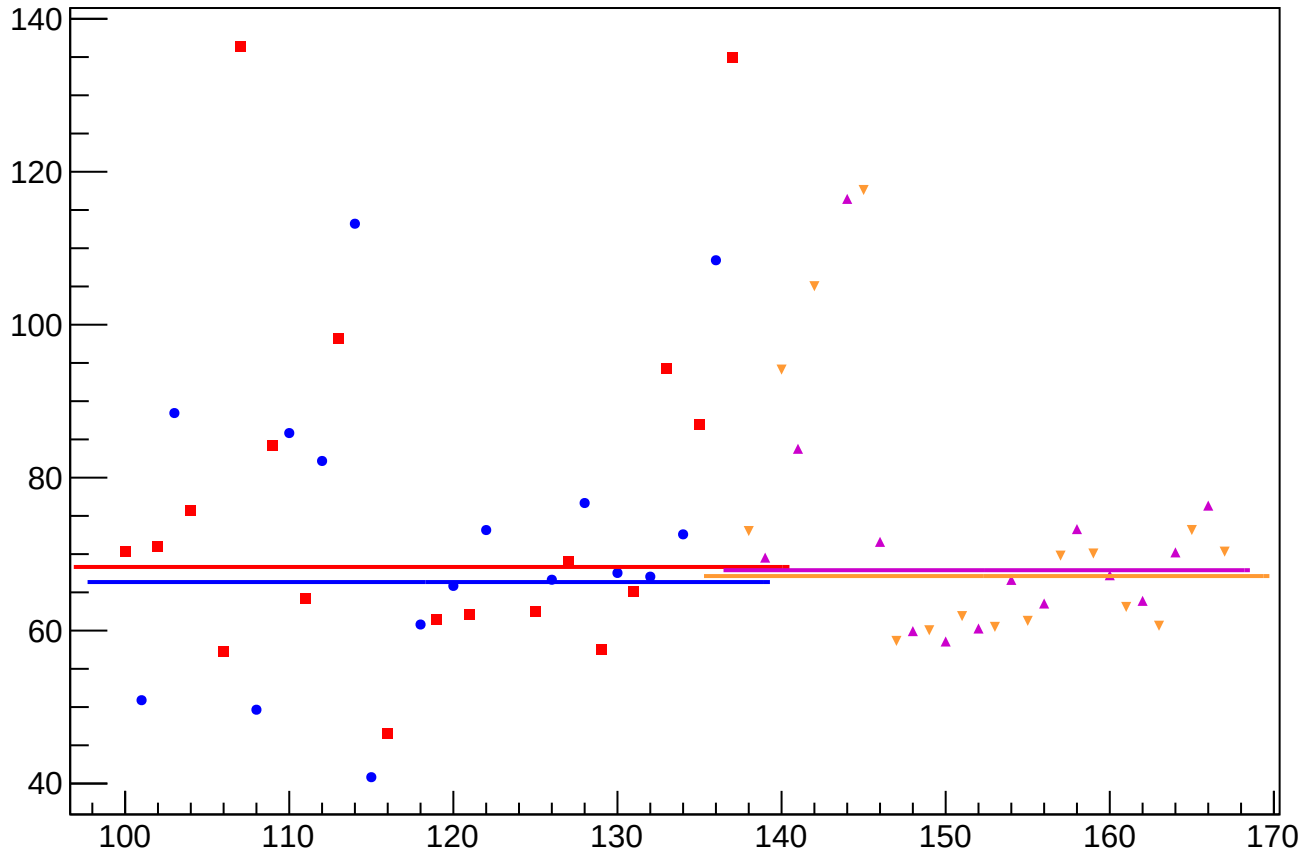
Left In: -0.015 ± 0.021 χ^2/NDF : 20.6/13

+ sign -0.018 ± 0.016 χ^2/NDF : 34.4/30

All: -0.016 ± 0.011 χ^2/NDF : 77.9/62

- sign -0.014 ± 0.016 χ^2/NDF : 43.4/31

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: 67.131 $\pm$ 0.014 χ^2 /NDF: 682416.0/14

Right Out: 68.321 $\pm$ 0.019 χ^2 /NDF: 629665.7/17

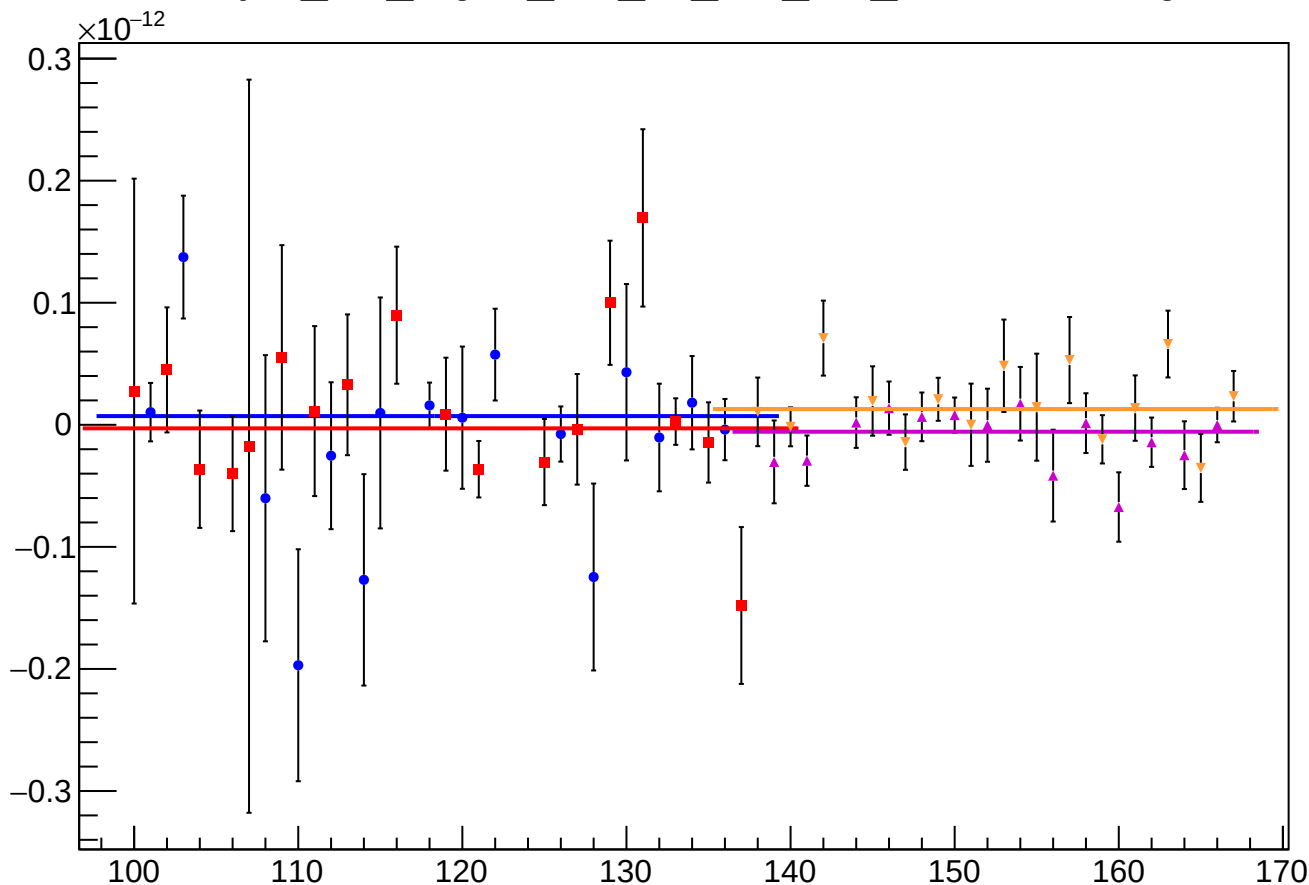
Left In: 67.898 $\pm$ 0.015 χ^2 /NDF: 509109.7/13

+ sign 66.838 $\pm$ 0.011 χ^2 /NDF: 1456187.2/30

All: 67.434 $\pm$ 0.008 χ^2 /NDF: 2600898.8/62

- sign 68.055 $\pm$ 0.012 χ^2 /NDF: 1139086.4/31

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 20.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 17.0/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.4/17

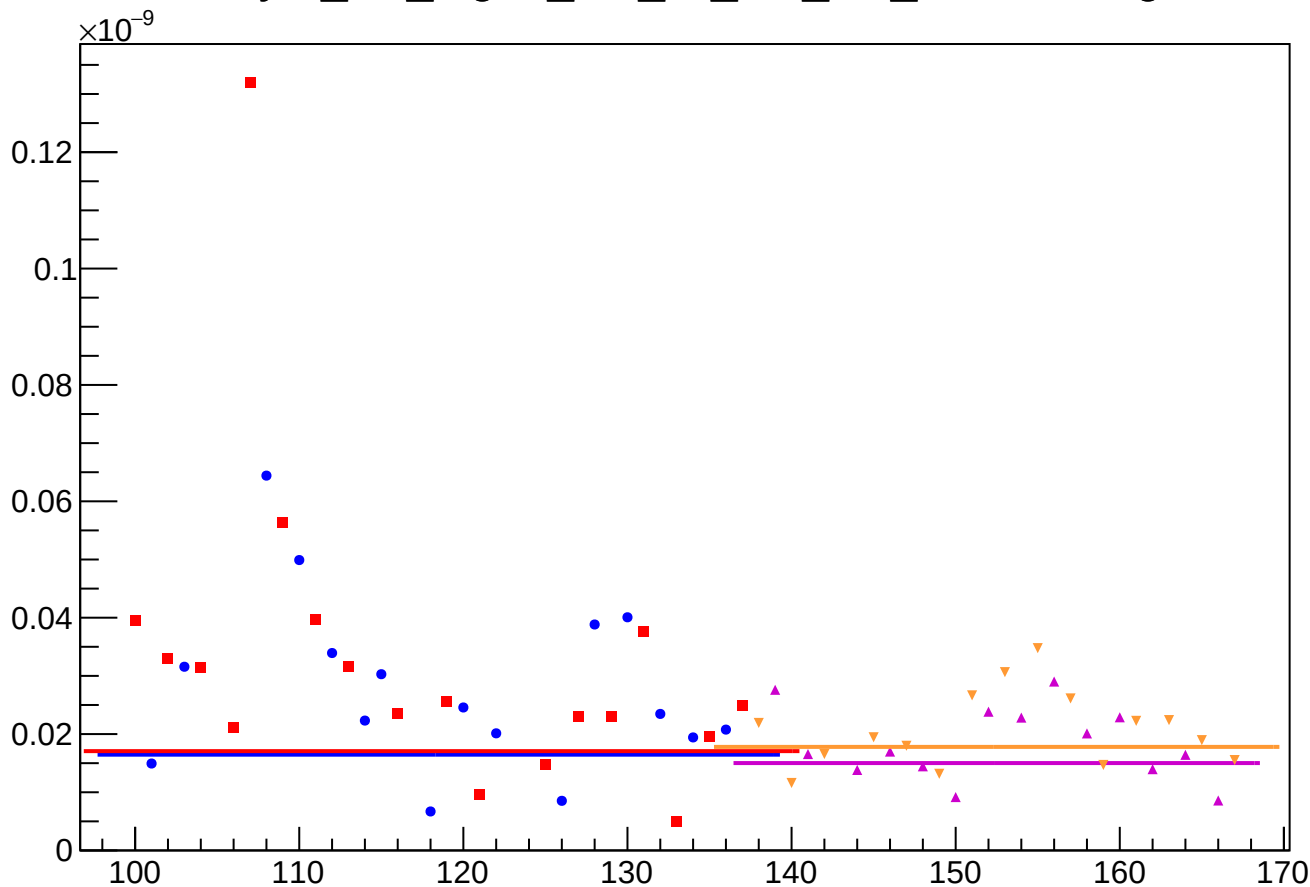
Left In: -0.000 ± 0.000 χ^2/NDF : 11.2/13

+ sign 0.000 ± 0.000 χ^2/NDF : 37.8/30

All: 0.000 ± 0.000 χ^2/NDF : 77.2/62

- sign -0.000 ± 0.000 χ^2/NDF : 34.6/31

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 : 1461511.5/14

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

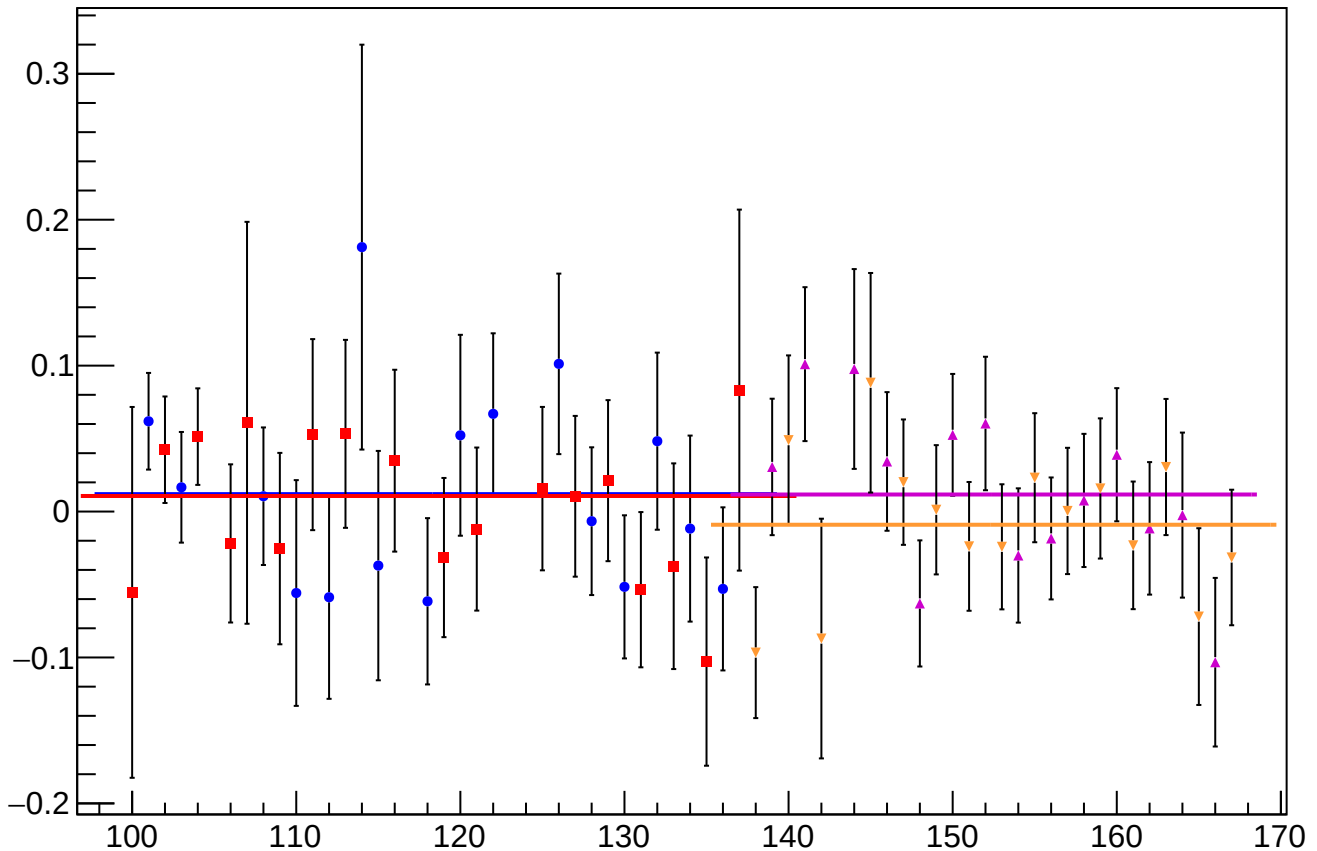
Left In: 0.000+/-0.000 χ^2/NDF : 1891967.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 3835849.4/30

All: 0.000+/-0.000 χ^2/NDF : 8708886.9/62

- sign 0.000+/-0.000 χ^2/NDF : 4747943.9/31

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.009 ± 0.012 χ^2/NDF : 11.1/14

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

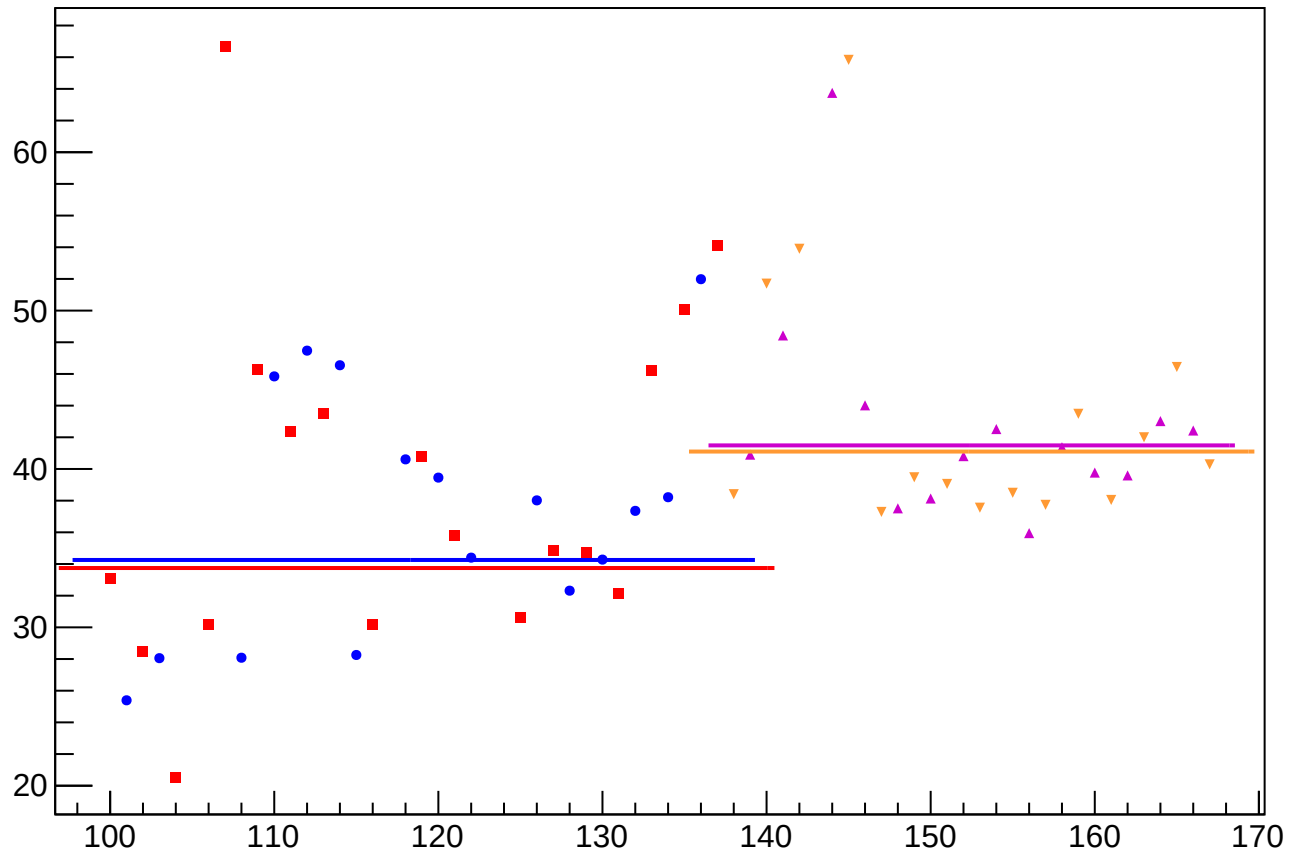
Left In: 0.012 ± 0.013 χ^2/NDF : 15.9/13

+ sign 0.001 ± 0.009 χ^2/NDF : 27.1/30

All: 0.006 ± 0.007 χ^2/NDF : 53.6/62

- sign 0.011 ± 0.009 χ^2/NDF : 25.8/31

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 41.100+/-0.009 χ^2/NDF : 425617.6/14

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

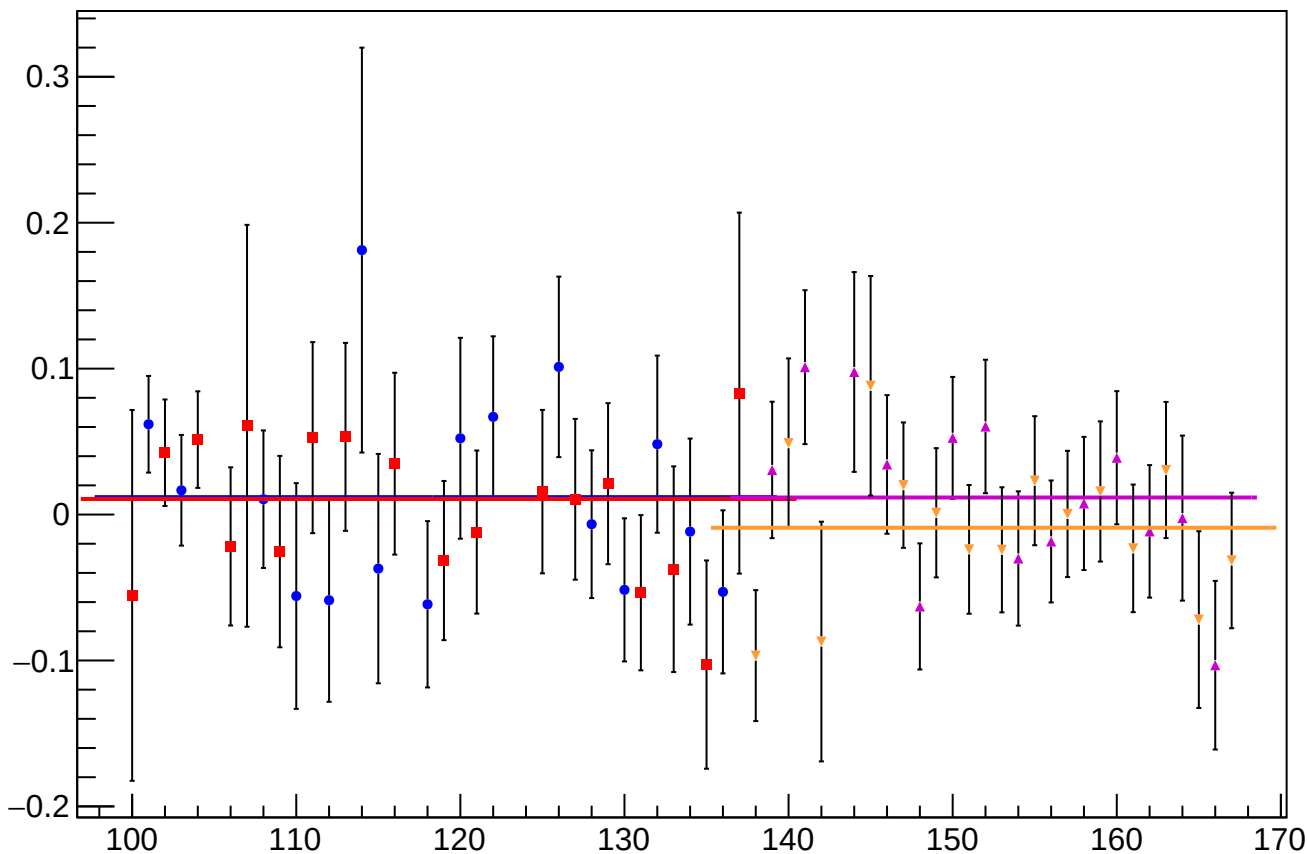
Left In: 41.489+/-0.009 χ^2/NDF : 326744.3/13

+ sign 37.975+/-0.007 χ^2/NDF : 1336540.2/30

All: 37.901+/-0.005 χ^2/NDF : 2925109.6/62

- sign 37.826+/-0.007 χ^2/NDF : 1588306.8/31

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.009 ± 0.012 χ^2/NDF : 11.1/14

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

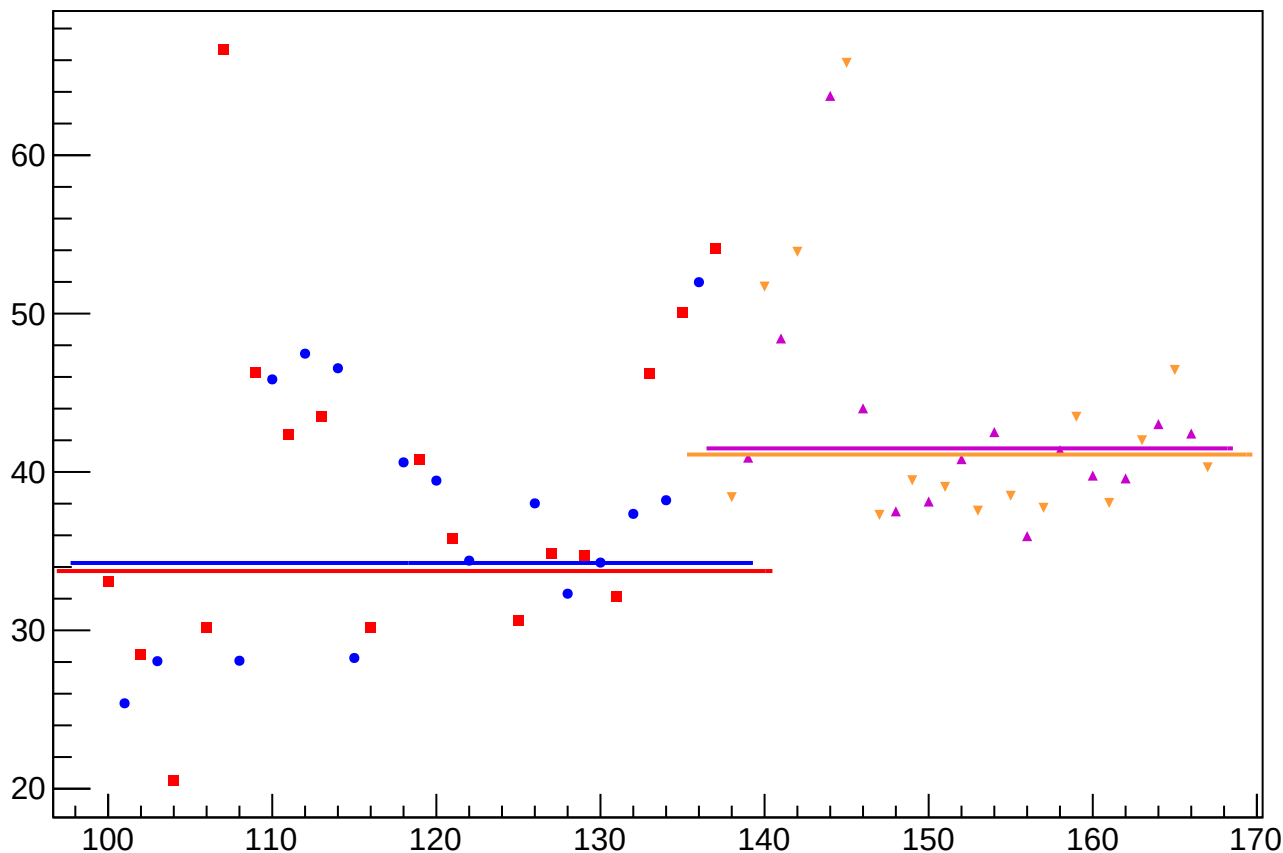
Left In: 0.012 ± 0.013 χ^2/NDF : 15.9/13

+ sign 0.001 ± 0.009 χ^2/NDF : 27.1/30

All: 0.006 ± 0.007 χ^2/NDF : 53.6/62

- sign 0.011 ± 0.009 χ^2/NDF : 25.8/31

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: 41.100+/-0.009 χ^2/NDF : 425617.6/14

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

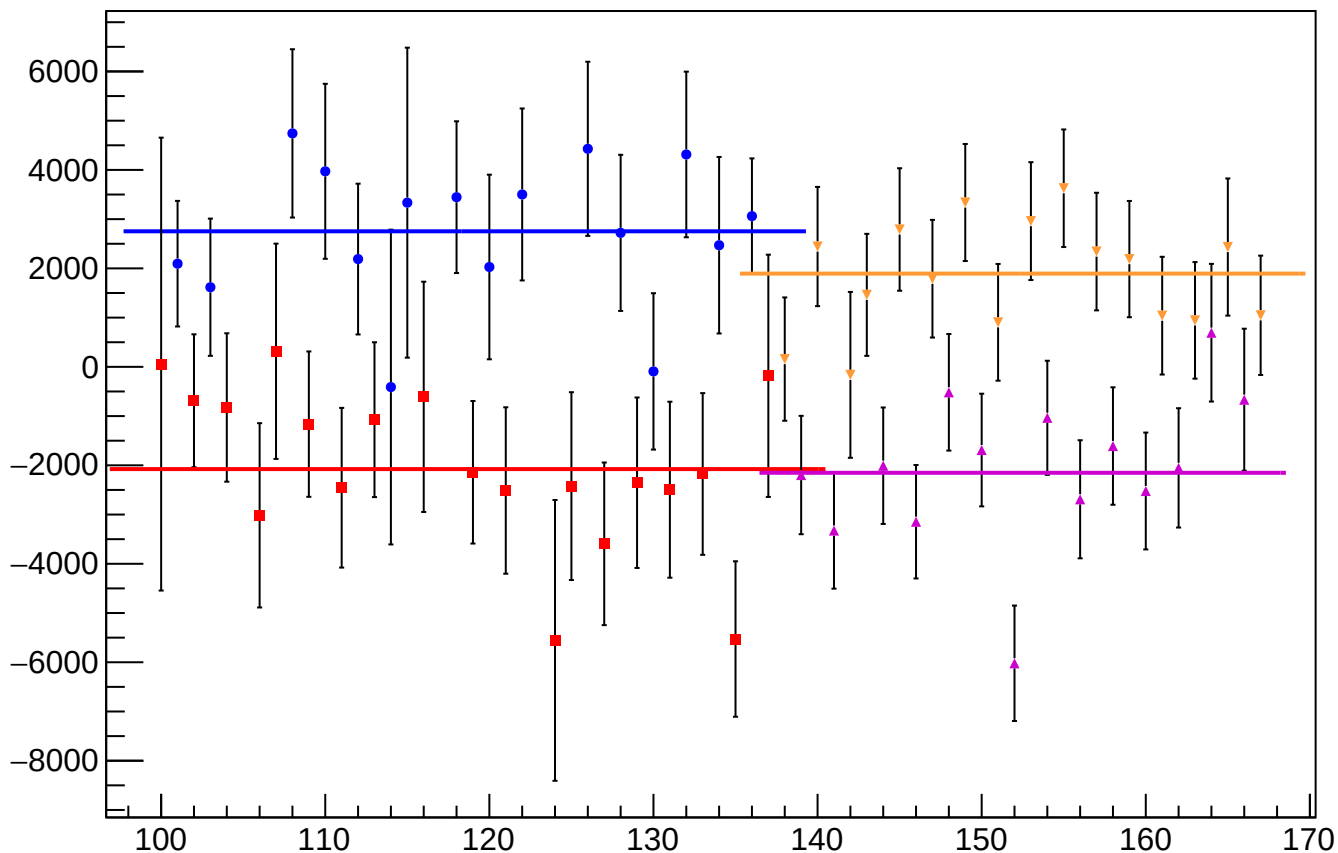
Left In: 41.489+/-0.009 χ^2/NDF : 326744.3/13

+ sign 37.975+/-0.007 χ^2/NDF : 1336540.2/30

All: 37.901+/-0.005 χ^2/NDF : 2925109.6/62

- sign 37.826+/-0.007 χ^2/NDF : 1588306.8/31

reg_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1893.791 $\pm$ 308.367 χ^2 /NDF:11.3/15

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

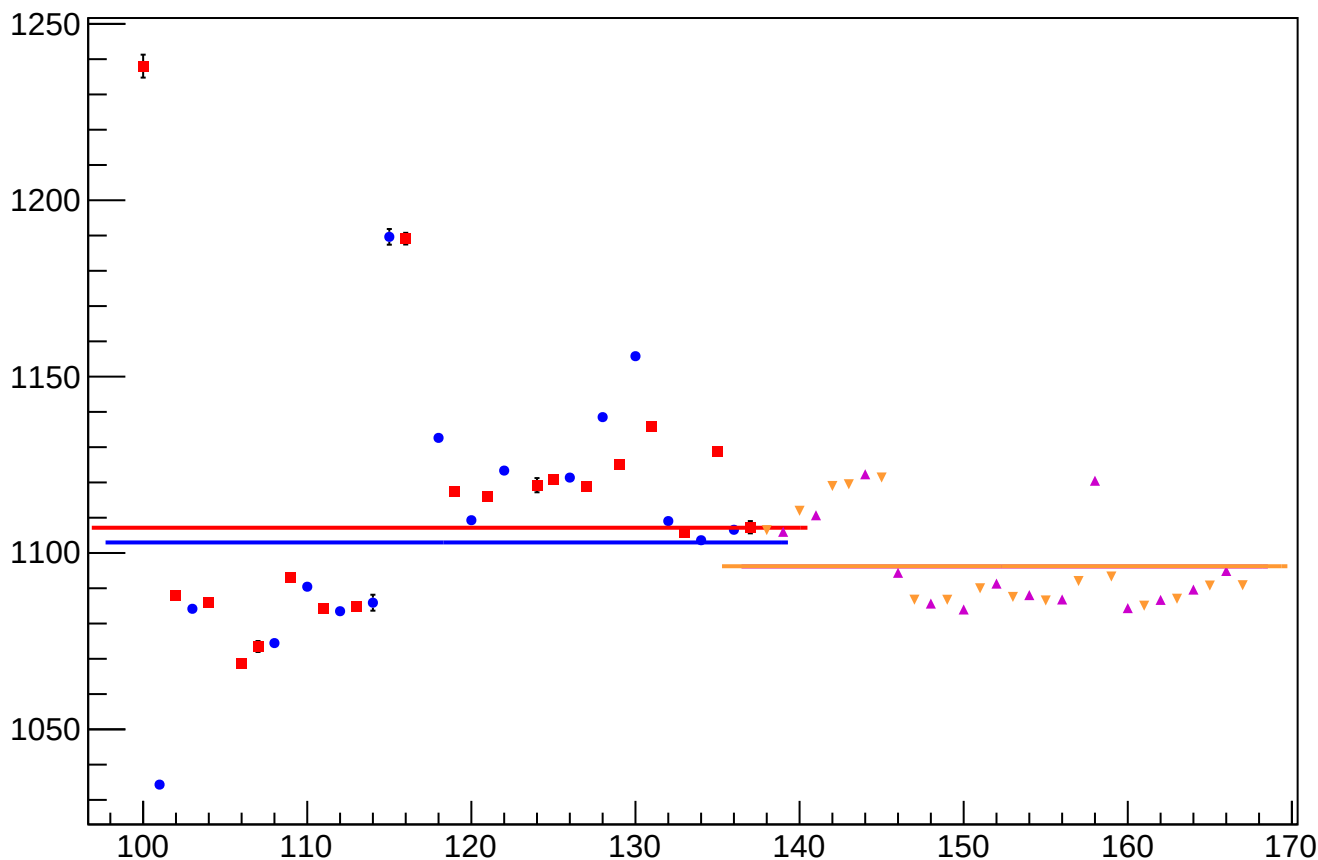
Left In: -2151.690 $\pm$ 322.594 χ^2 /NDF:21.4/13

+ sign 2204.423 $\pm$ 246.408 χ^2 /NDF: 23.6/31

All: 89.888 $\pm$ 176.194 χ^2 /NDF: 208.2/64

- sign -2122.385 $\pm$ 252.038 χ^2 /NDF: 33.9/32

reg_asym_usr_rms vs Slug



Right In: 1102.988 ± 0.290 χ^2/NDF : 13223.8/15

Left Out: 1096.243 ± 0.218 χ^2/NDF : 3307.2/15

Right Out: 1107.159 ± 0.286 χ^2/NDF : 8683.4/18

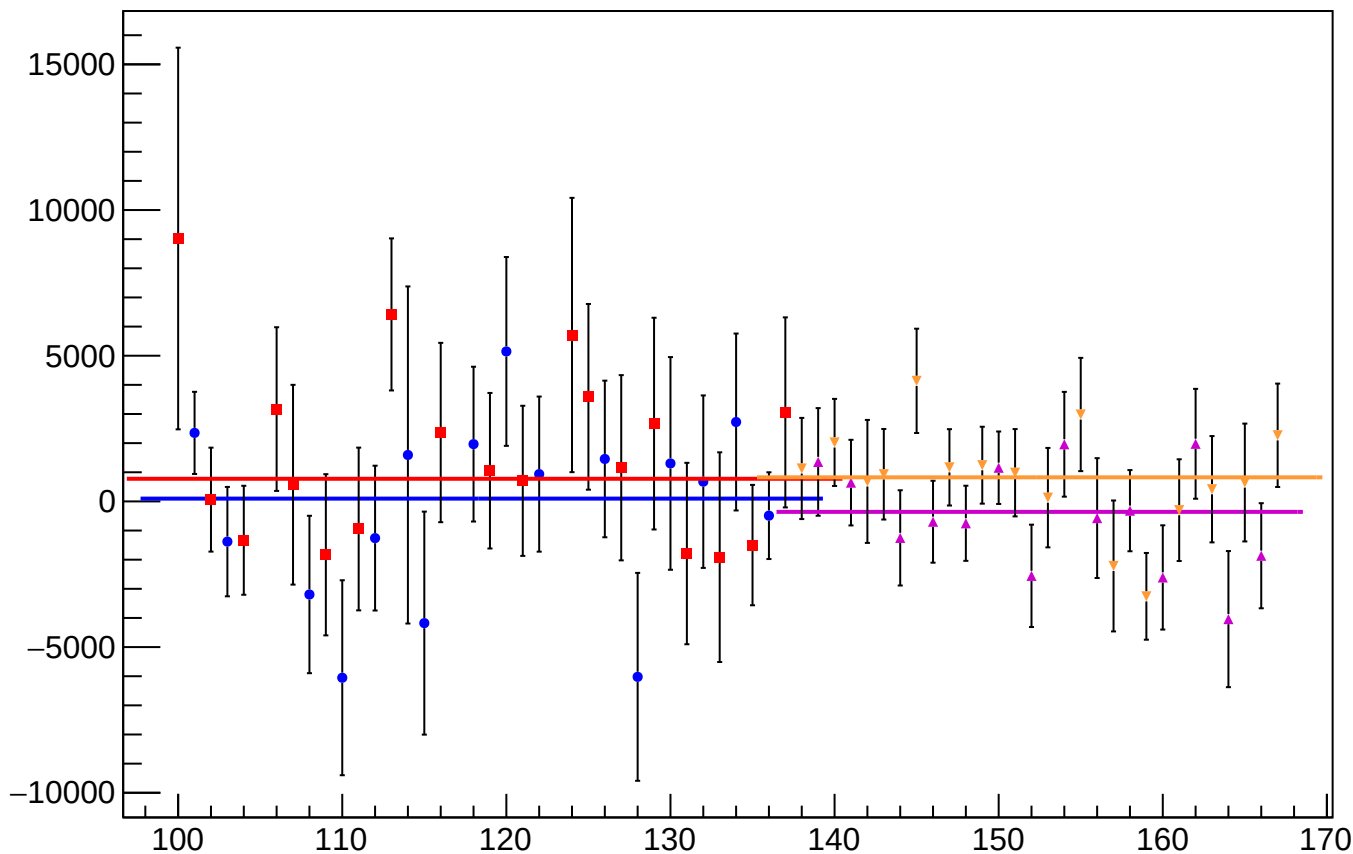
Left In: 1096.174 ± 0.228 χ^2/NDF : 3252.8/13

+ sign 1098.681 ± 0.174 χ^2/NDF : 16876.8/31

All: 1099.548 ± 0.125 χ^2/NDF : 29767.1/64

- sign 1100.454 ± 0.178 χ^2/NDF : 12839.6/32

asym_usr_reg_correction_mean vs Slug



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

Left Out: 826.326+/-415.915 χ^2/NDF : 16.2/15

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

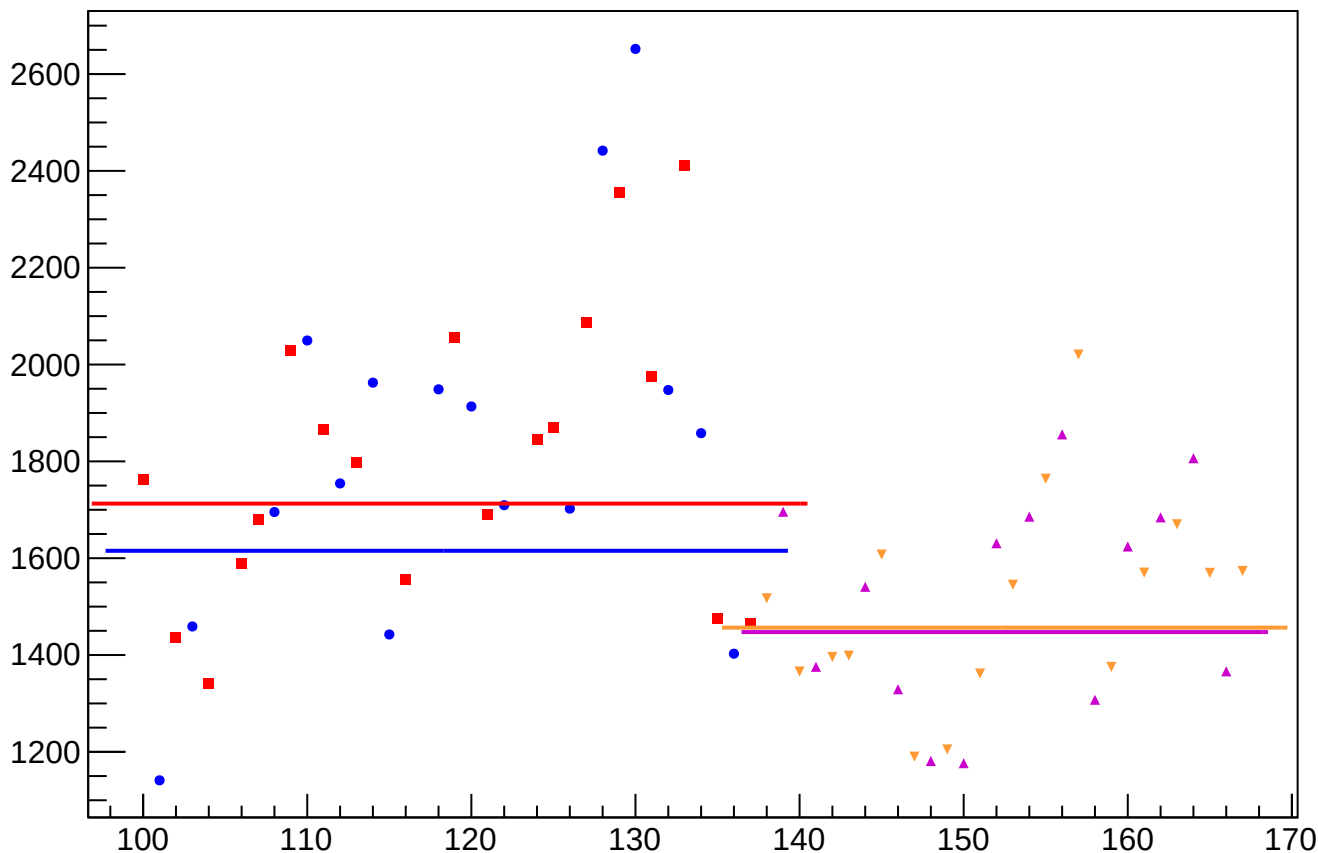
Left In: -359.340+/-432.176 χ^2/NDF : 12.8/13

+ sign 598.691+/-345.066 χ^2/NDF : 34.1/31

All: 309.500+/-248.321 χ^2/NDF : 65.6/64

- sign -1.130+/-357.629 χ^2/NDF : 30.0/32

asym_usr_reg_correction_rms vs Slug



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

Left Out: 1456.619+/-0.294 χ^2/NDF : 430122.5/15

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

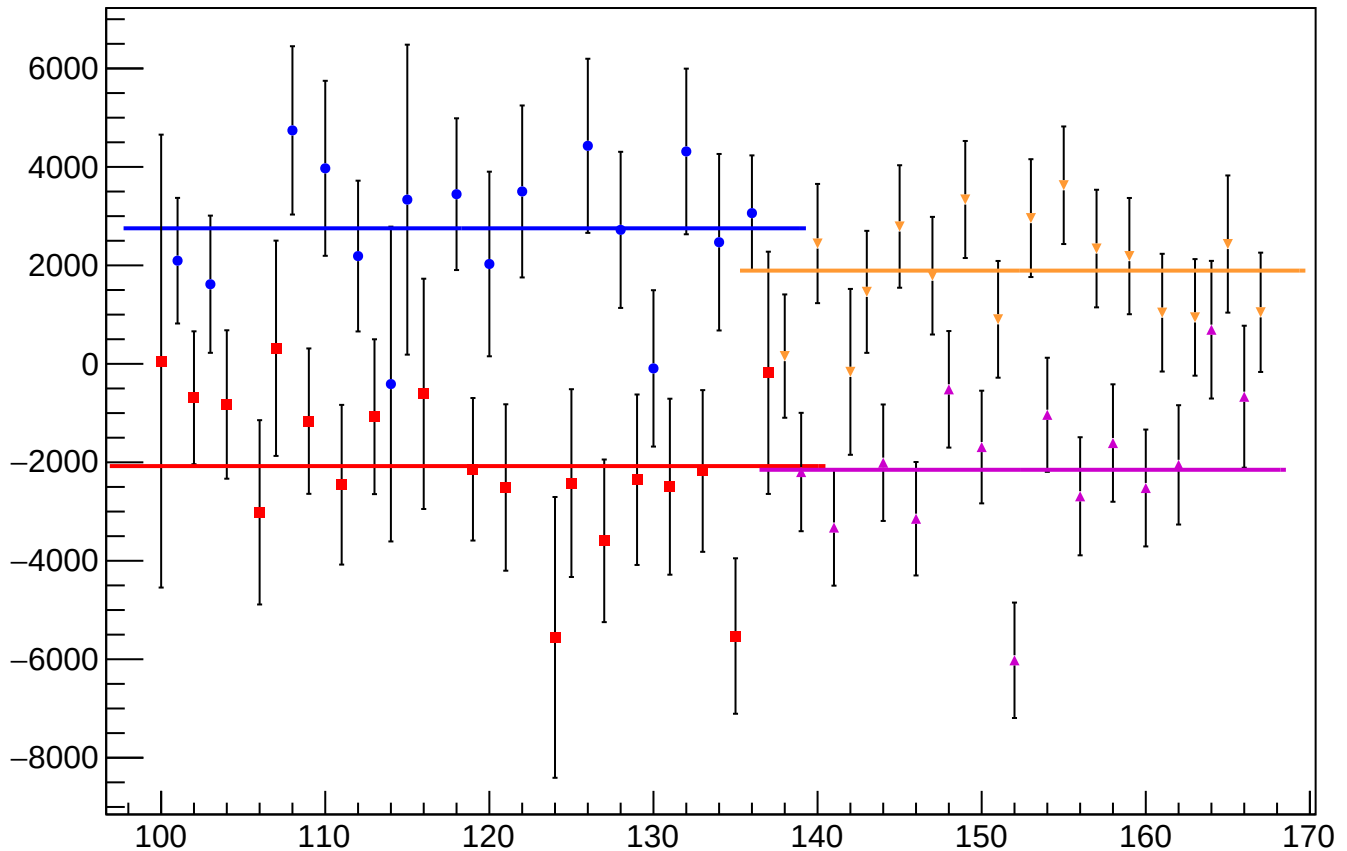
Left In: 1447.408+/-0.306 χ^2/NDF : 500241.0/13

+ sign 1506.080+/-0.244 χ^2/NDF : 1214503.6/31

All: 1518.127+/-0.176 χ^2/NDF : 2385610.4/64

- sign 1531.067+/-0.253 χ^2/NDF : 1166050.4/32

cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1893.791 $\pm$ 308.367 χ^2 /NDF:11.3/15

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

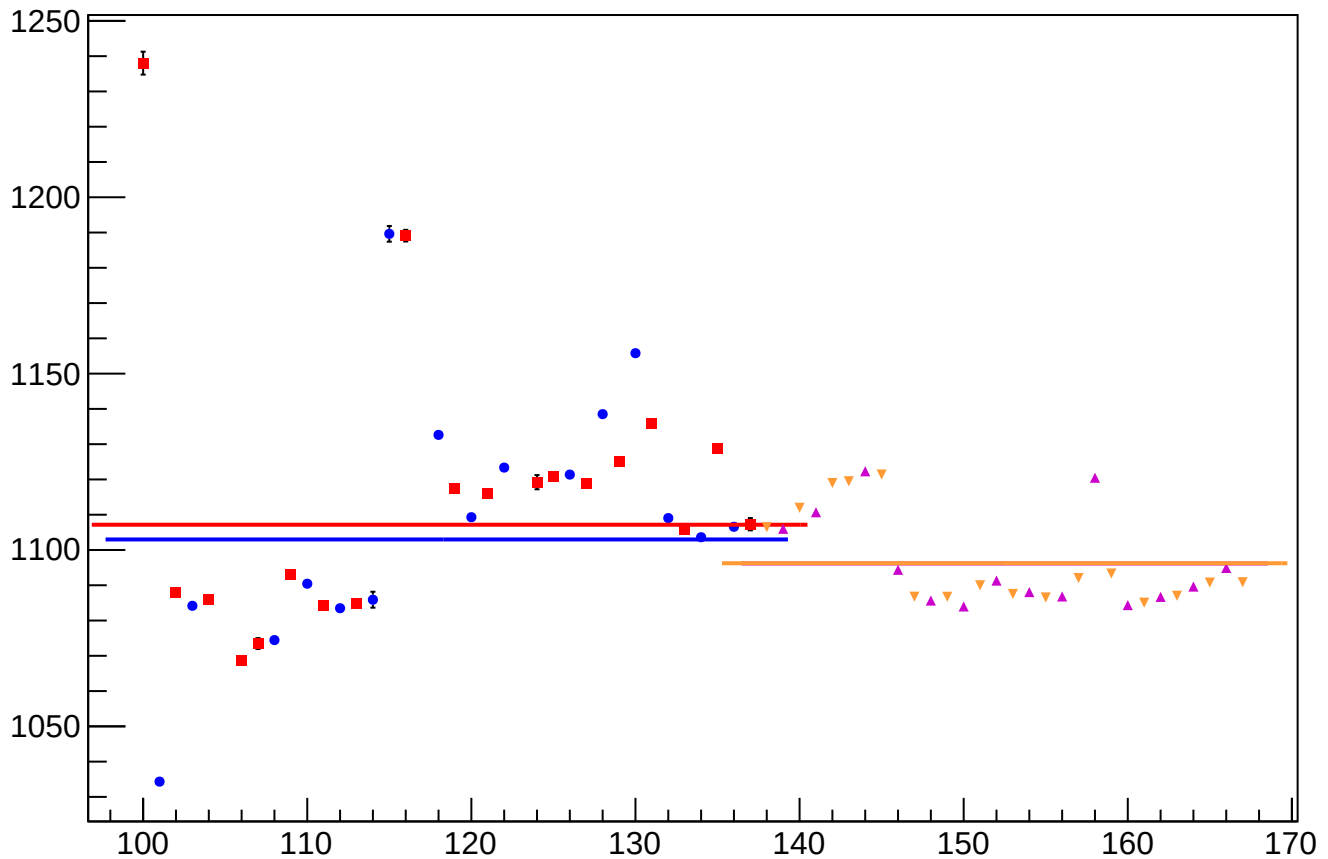
Left In: -2151.690 $\pm$ 322.594 χ^2 /NDF:21.4/13

+ sign 2204.423 $\pm$ 246.408 χ^2 /NDF: 23.6/31

All: 89.888 $\pm$ 176.194 χ^2 /NDF: 208.2/64

- sign -2122.385 $\pm$ 252.038 χ^2 /NDF: 33.9/32

cor_asym_usr_rms vs Slug



Right In: 1102.988 ± 0.290 $\chi^2/\text{NDF}: 13223.8/15$

Left Out: 1096.243 ± 0.218 $\chi^2/\text{NDF}: 3307.2/15$

Right Out: 1107.159 ± 0.286 $\chi^2/\text{NDF}: 8683.4/18$

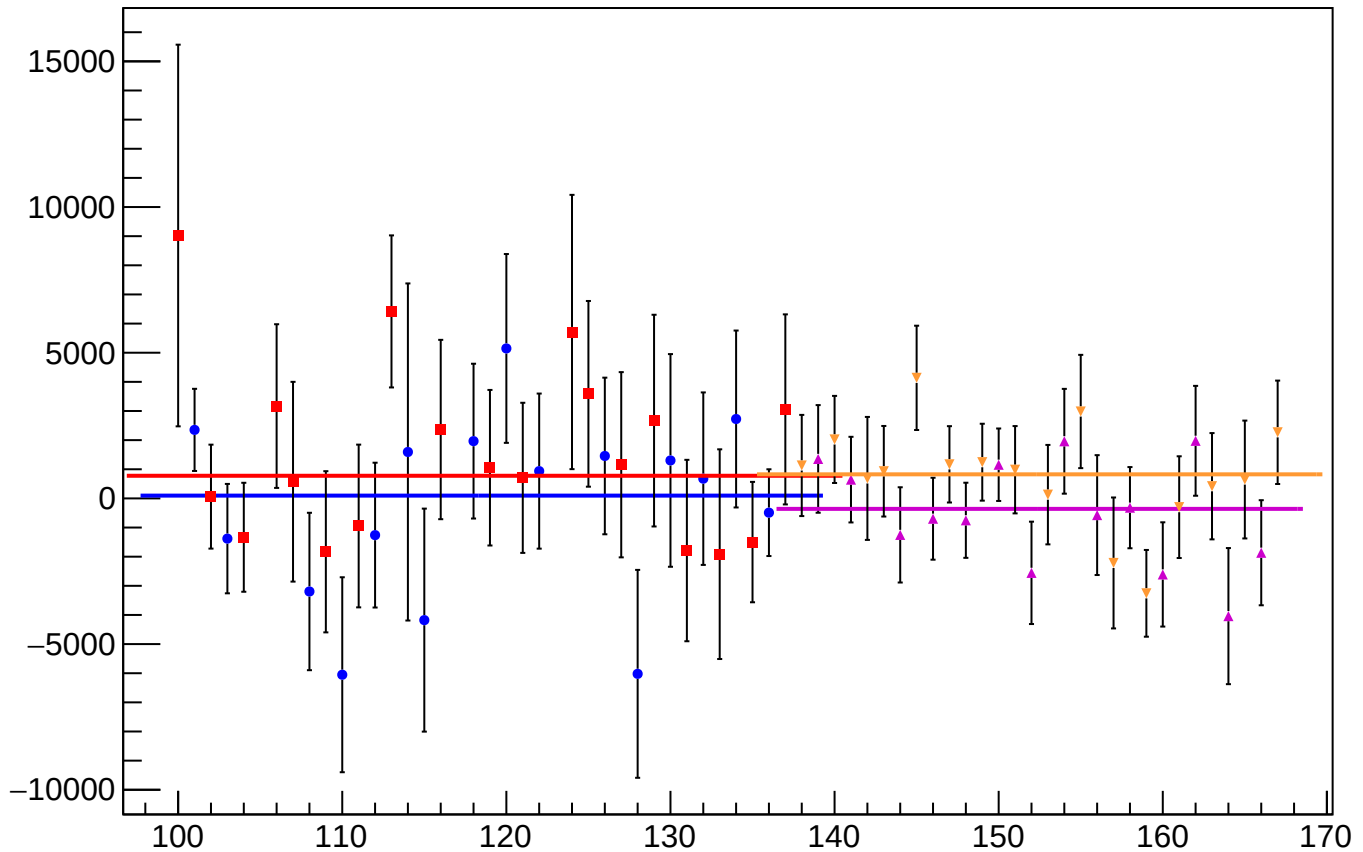
Left In: 1096.174 ± 0.228 $\chi^2/\text{NDF}: 3252.8/13$

+ sign 1098.681 ± 0.174 $\chi^2/\text{NDF}: 16876.8/31$

All: 1099.548 ± 0.125 $\chi^2/\text{NDF}: 29767.1/64$

- sign 1100.454 ± 0.178 $\chi^2/\text{NDF}: 12839.6/32$

asym_usr_cor_correction_mean vs Slug



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

Left Out: 826.326+/-415.915 χ^2/NDF : 16.2/15

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

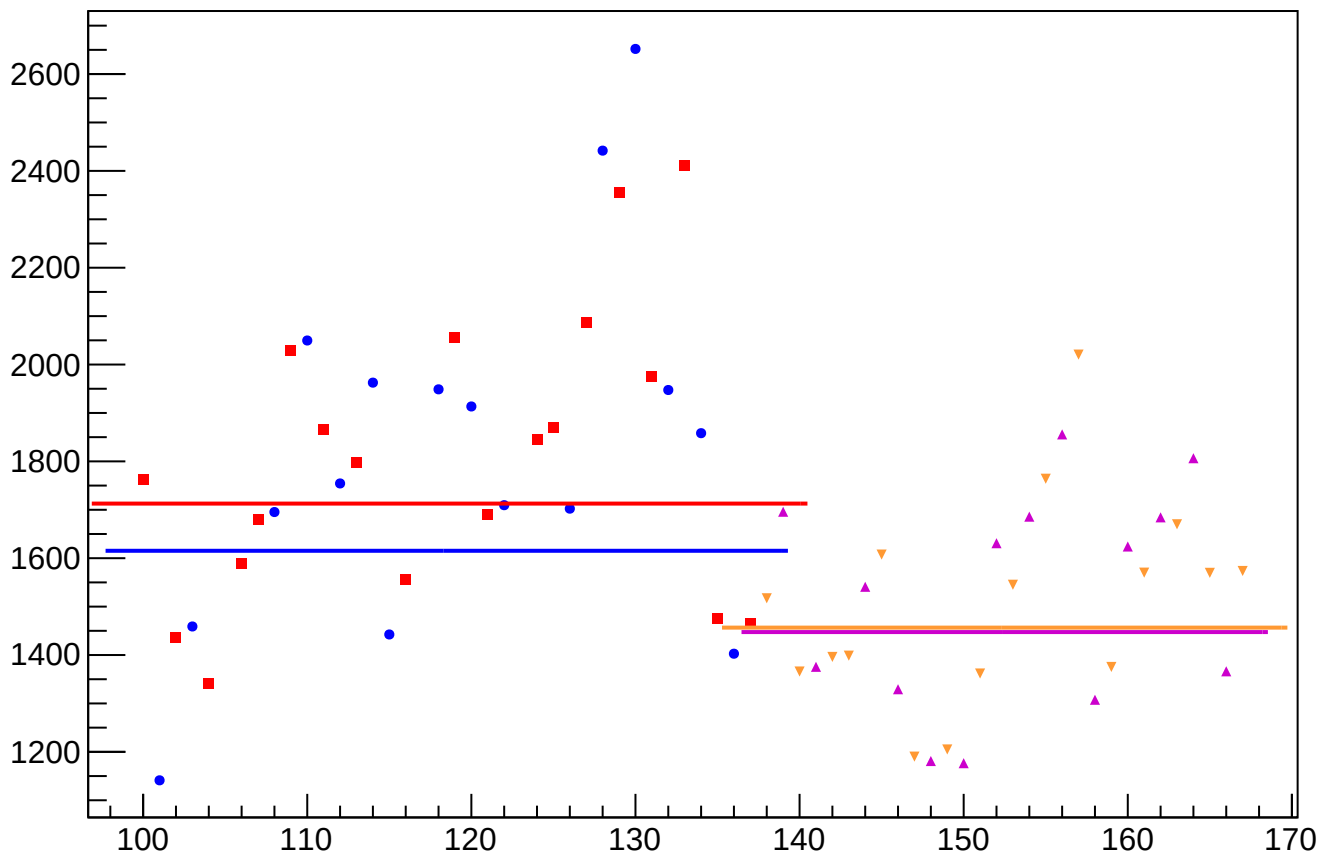
Left In: -359.340+/-432.176 χ^2/NDF : 12.8/13

+ sign 598.691+/-345.066 χ^2/NDF : 34.1/31

All: 309.500+/-248.321 χ^2/NDF : 65.6/64

- sign -1.130+/-357.629 χ^2/NDF : 30.0/32

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316 $\pm$ 0.437 χ^2 /NDF: 693630.0/15

Left Out: 1456.619 $\pm$ 0.294 χ^2 /NDF: 430122.5/15

Right Out: 1712.798 $\pm$ 0.450 χ^2 /NDF: 428065.0/18

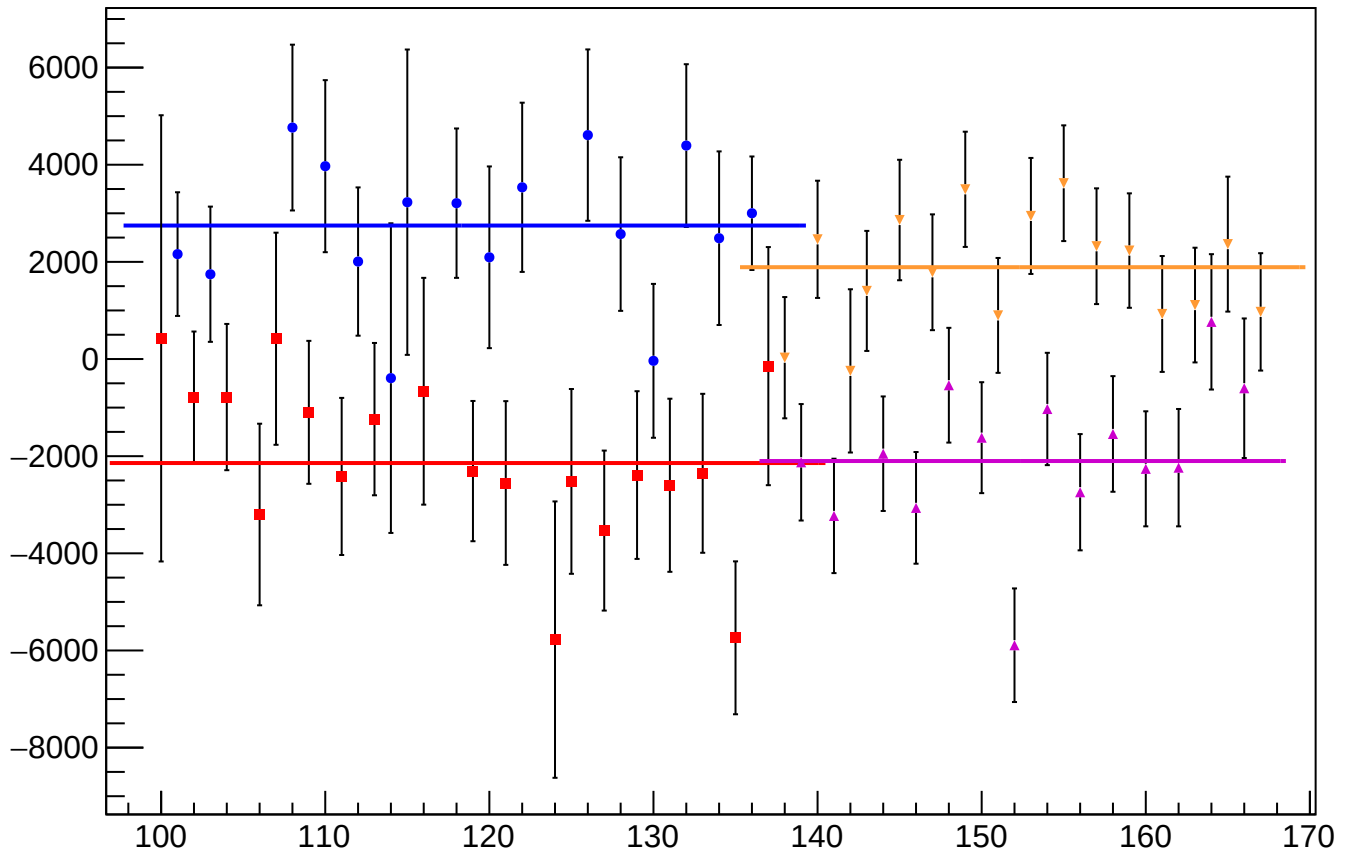
Left In: 1447.408 $\pm$ 0.306 χ^2 /NDF: 500241.0/13

+ sign 1506.080 $\pm$ 0.244 χ^2 /NDF: 1214503.6/31

All: 1518.127 $\pm$ 0.176 χ^2 /NDF: 2385610.4/64

- sign 1531.067 $\pm$ 0.253 χ^2 /NDF: 1166050.4/32

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939 $\pm$ 408.759 χ^2 /NDF: 9.5/15

Left Out: 1890.454 $\pm$ 307.559 χ^2 /NDF:12.3/15

Right Out: -2141.169 $\pm$ 402.789 χ^2 /NDF: 13.6/18

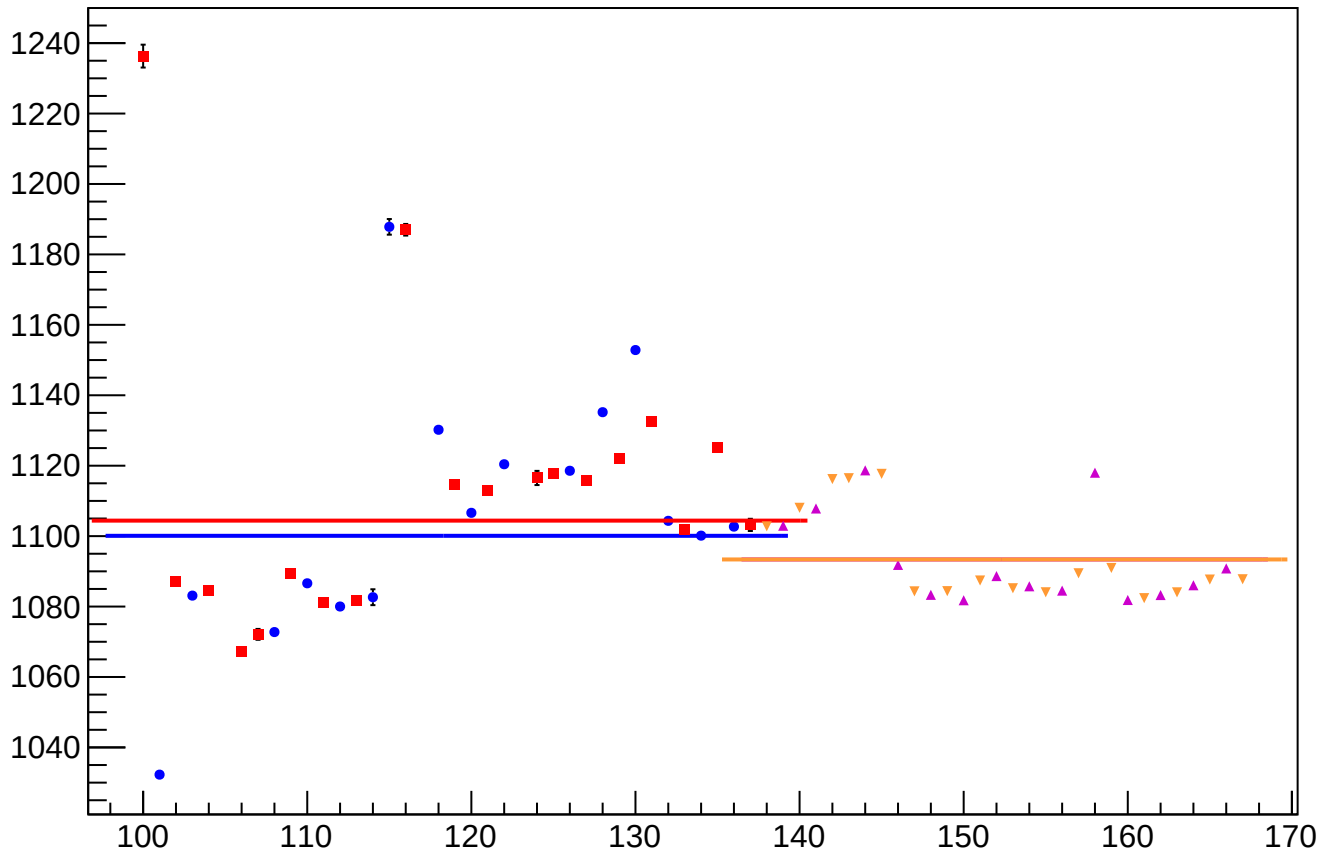
Left In: -2099.743 $\pm$ 321.770 χ^2 /NDF:20.8/13

+ sign 2200.423 $\pm$ 245.761 χ^2 /NDF: 24.6/31

All: 91.220 $\pm$ 175.739 χ^2 /NDF: 209.7/64

- sign -2115.881 $\pm$ 251.400 χ^2 /NDF: 34.4/32

overload_cor_asym_usr_rms vs Slug



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

Left Out: 1093.377+/-0.217 χ^2/NDF : 3144.0/15

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

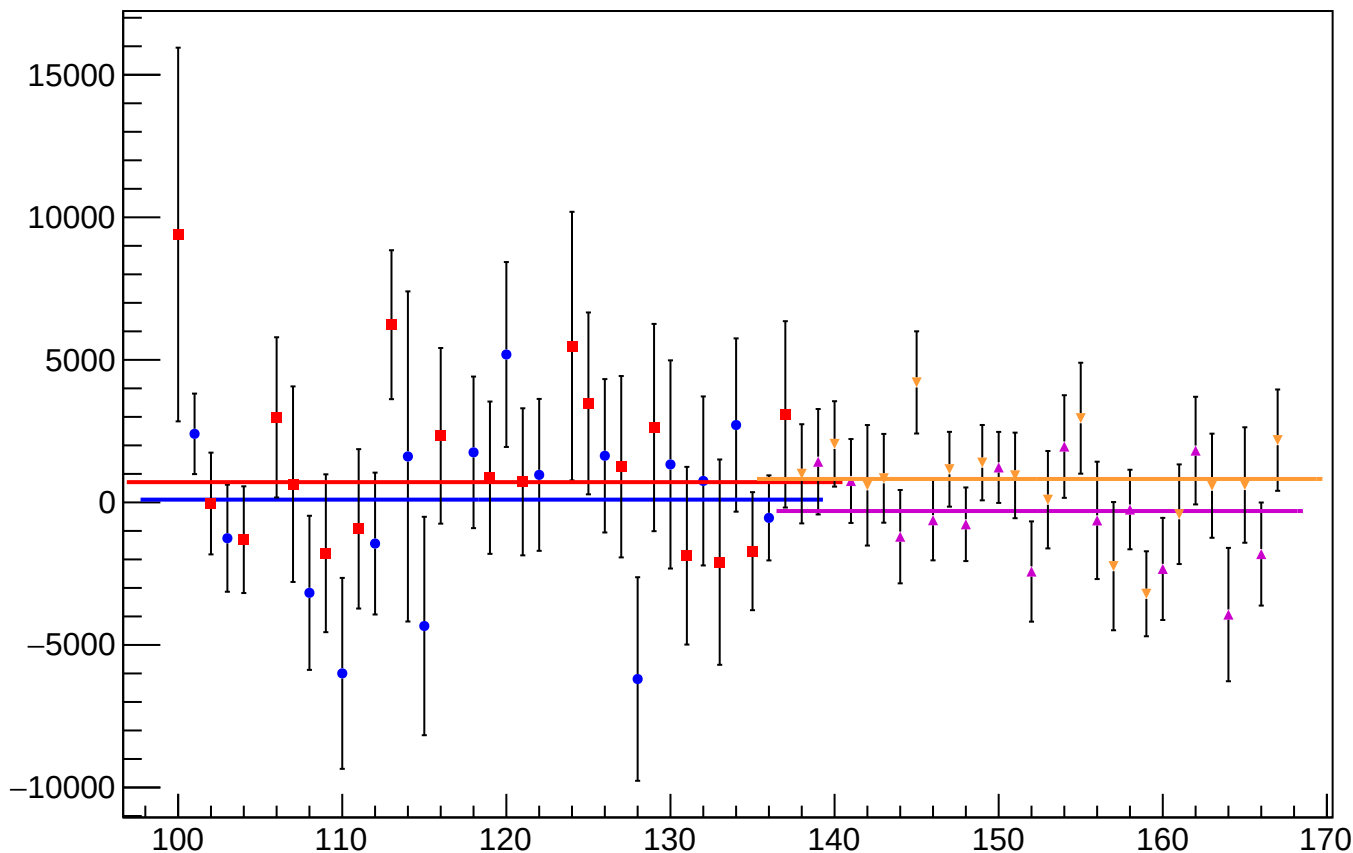
Left In: 1093.374+/-0.228 χ^2/NDF : 3181.4/13

+ sign 1095.803+/-0.174 χ^2/NDF : 16565.7/31

All: 1096.716+/-0.124 χ^2/NDF : 29262.2/64

- sign 1097.671+/-0.178 χ^2/NDF : 12640.1/32

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435 $\pm$ 618.876 χ^2 /NDF: 17.2/15

Left Out: 822.614 $\pm$ 416.560 χ^2 /NDF:16.2/15

Right Out: 711.287 $\pm$ 637.587 χ^2 /NDF: 14.9/18

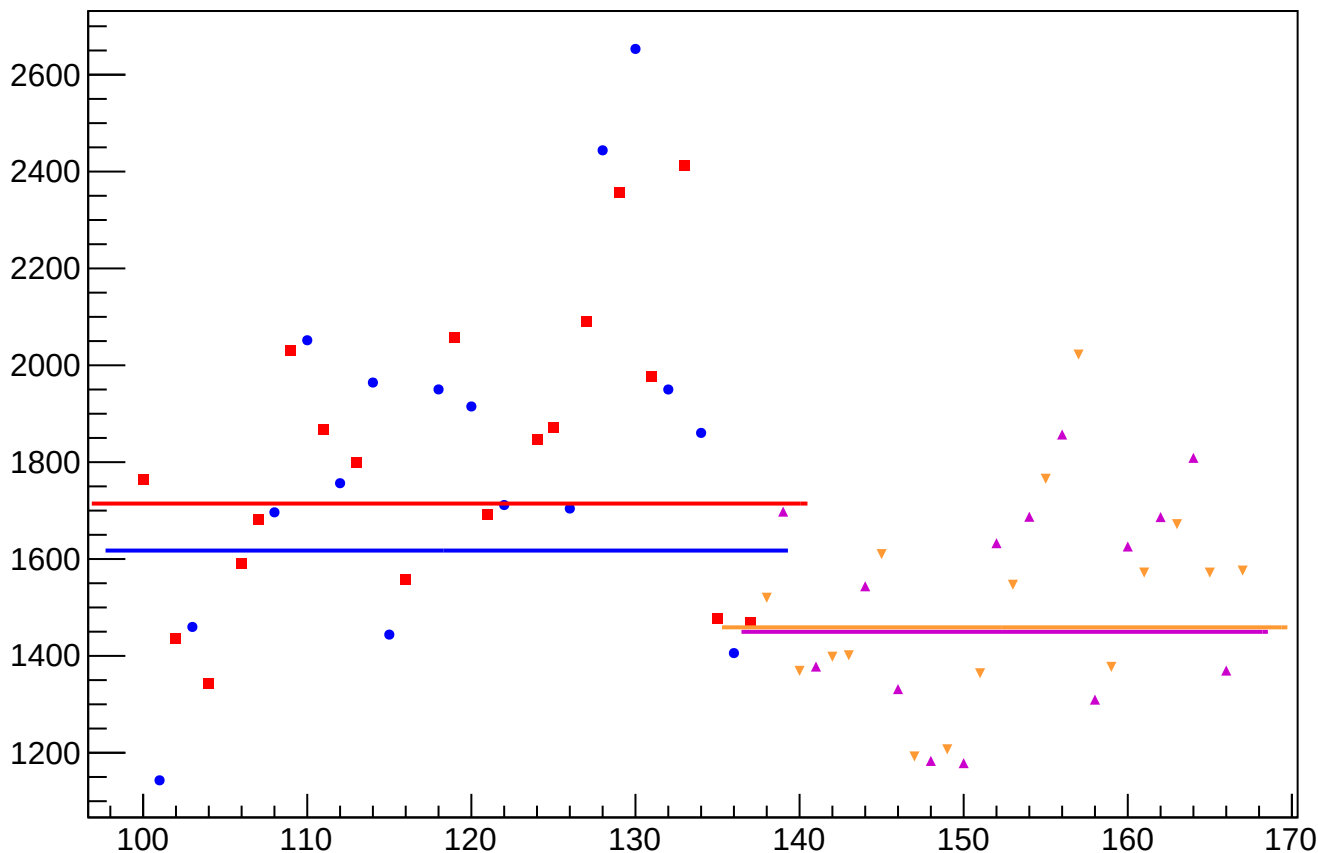
Left In: -302.472 $\pm$ 432.830 χ^2 /NDF:12.1/13

+ sign 596.509 $\pm$ 345.571 χ^2 /NDF: 34.4/31

All: 317.237 $\pm$ 248.670 χ^2 /NDF: 64.5/64

- sign 17.333 $\pm$ 358.109 χ^2 /NDF: 28.8/32

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF : 691725.3/15

Left Out: 1458.968+/-0.295 χ^2/NDF : 428338.5/15

Right Out: 1714.508+/-0.451 χ^2/NDF : 427709.9/18

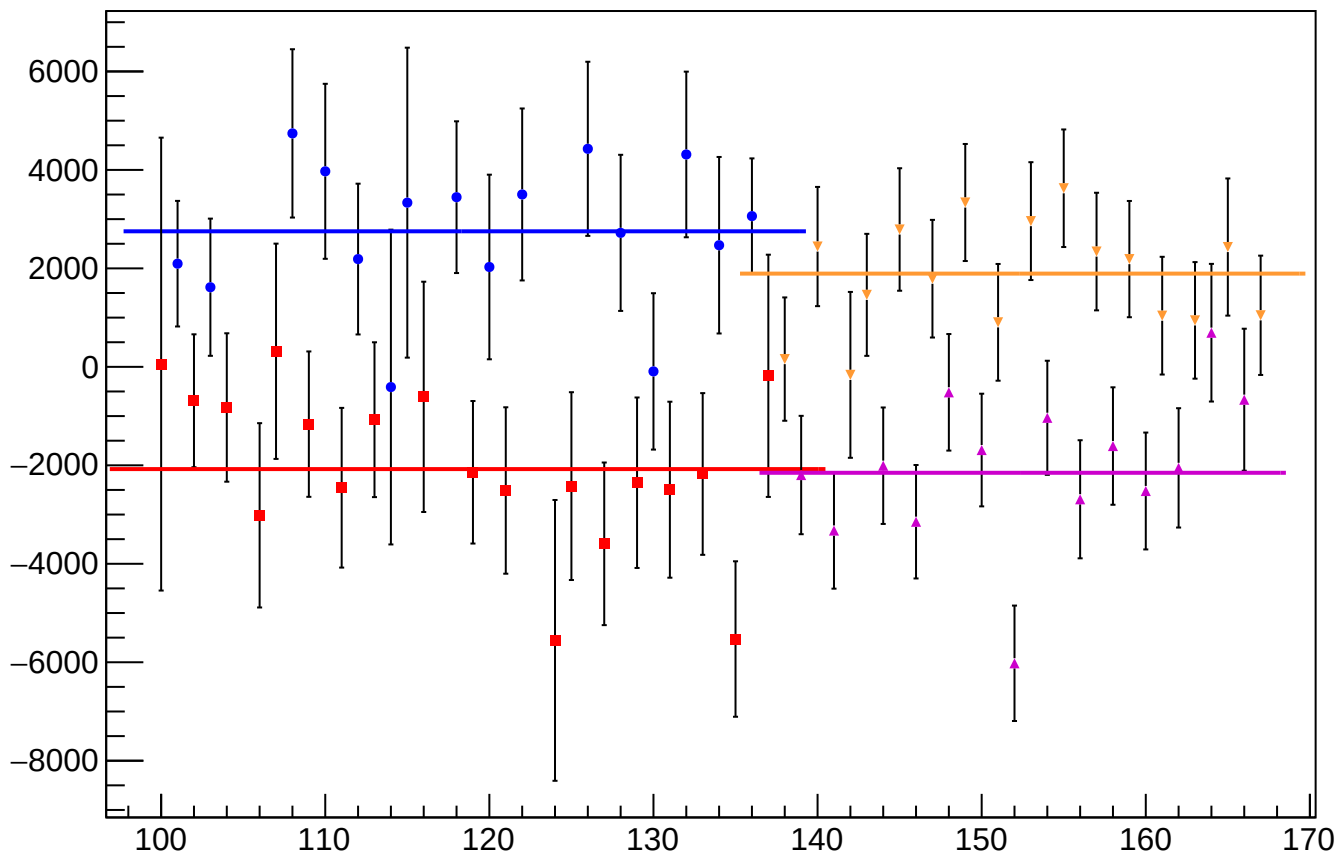
Left In: 1449.682+/-0.306 χ^2/NDF : 498302.5/13

+ sign 1508.395+/-0.244 χ^2/NDF : 1210371.3/31

All: 1520.367+/-0.176 χ^2/NDF : 2377556.3/64

- sign 1533.225+/-0.253 χ^2/NDF : 1162206.2/32

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1893.791 $\pm$ 308.367 χ^2 /NDF: 11.3/15

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

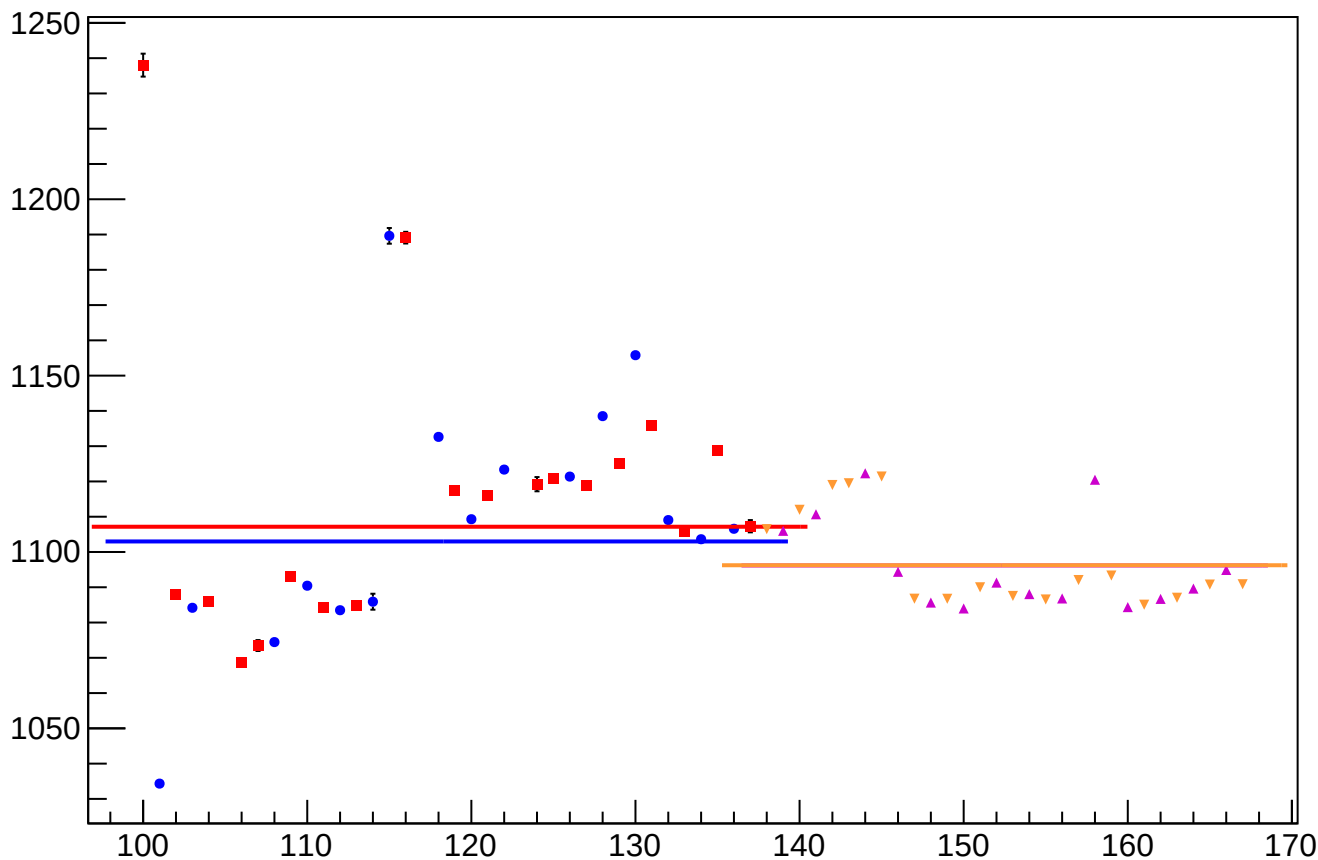
Left In: -2151.690 $\pm$ 322.594 χ^2 /NDF: 21.4/13

+ sign 2204.423 $\pm$ 246.408 χ^2 /NDF: 23.6/31

All: 89.888 $\pm$ 176.194 χ^2 /NDF: 208.2/64

- sign -2122.385 $\pm$ 252.038 χ^2 /NDF: 33.9/32

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2 /NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2 /NDF: 3307.2/15

Right Out: 1107.159+/-0.286 χ^2 /NDF: 8683.4/18

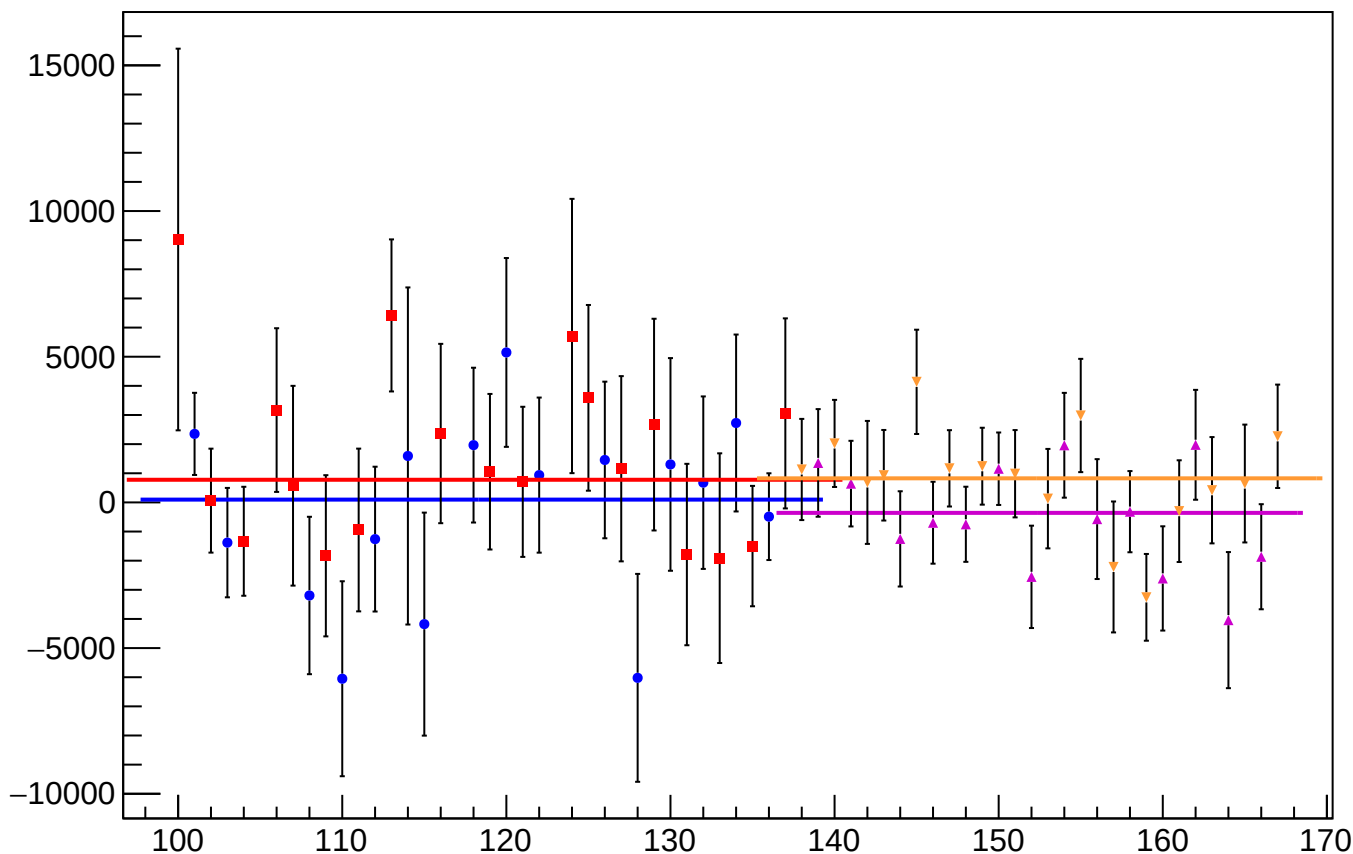
Left In: 1096.174+/-0.228 χ^2 /NDF: 3252.8/13

+ sign 1098.681+/-0.174 χ^2 /NDF: 16876.8/31

All: 1099.548+/-0.125 χ^2 /NDF: 29767.1/64

- sign 1100.454+/-0.178 χ^2 /NDF: 12839.6/32

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955 $\pm$ 618.095 χ^2/NDF : 16.9/15

Left Out: 826.326 $\pm$ 415.915 χ^2/NDF : 16.2/15

Right Out: 776.996 $\pm$ 636.966 χ^2/NDF : 15.1/18

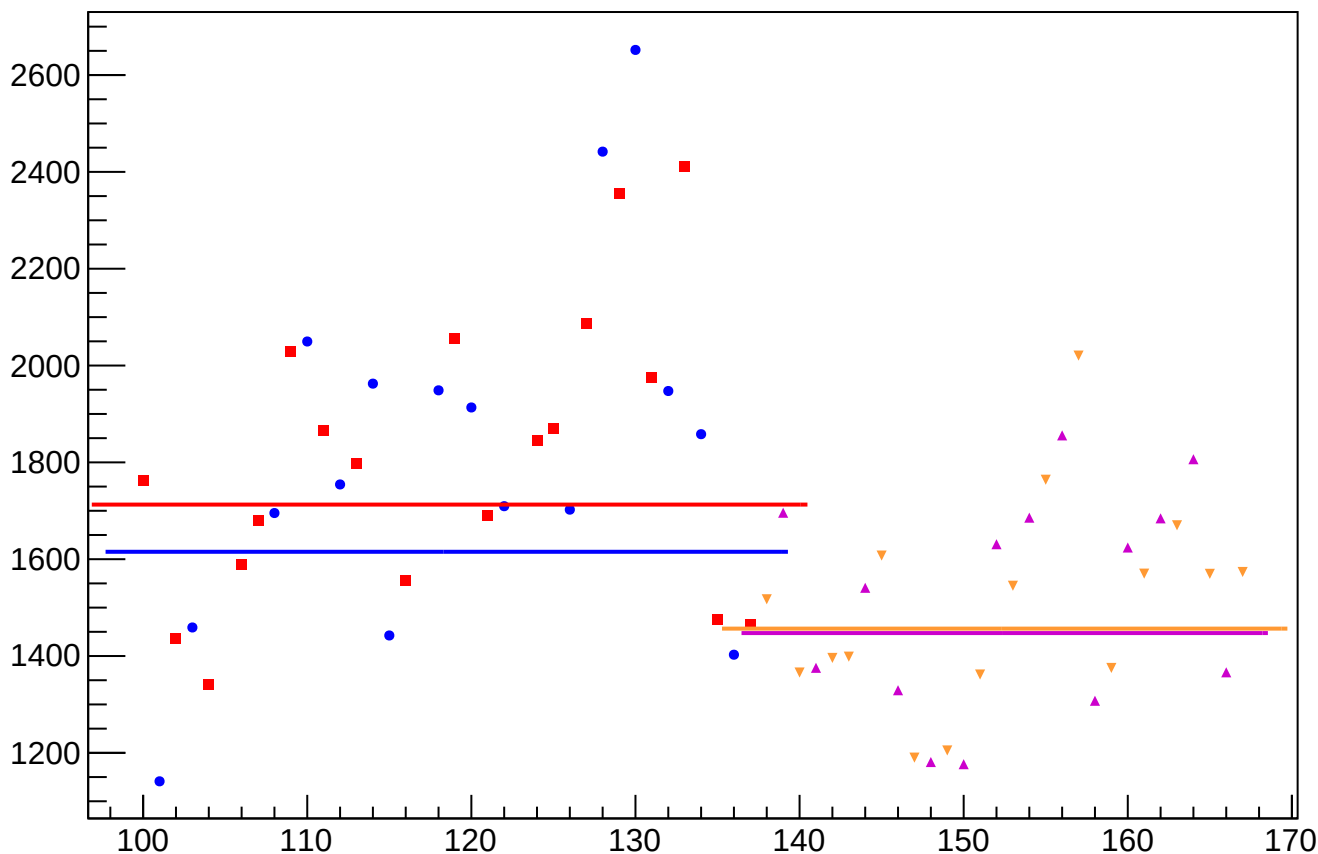
Left In: -359.340 $\pm$ 432.176 χ^2/NDF : 12.8/13

+ sign 598.691 $\pm$ 345.066 χ^2/NDF : 34.1/31

All: 309.500 $\pm$ 248.321 χ^2/NDF : 65.6/64

- sign -1.130 $\pm$ 357.629 χ^2/NDF : 30.0/32

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316 $\pm$ 0.437 χ^2 /NDF: 693630.0/15

Left Out: 1456.619 $\pm$ 0.294 χ^2 /NDF: 430122.5/15

Right Out: 1712.798 $\pm$ 0.450 χ^2 /NDF: 428065.0/18

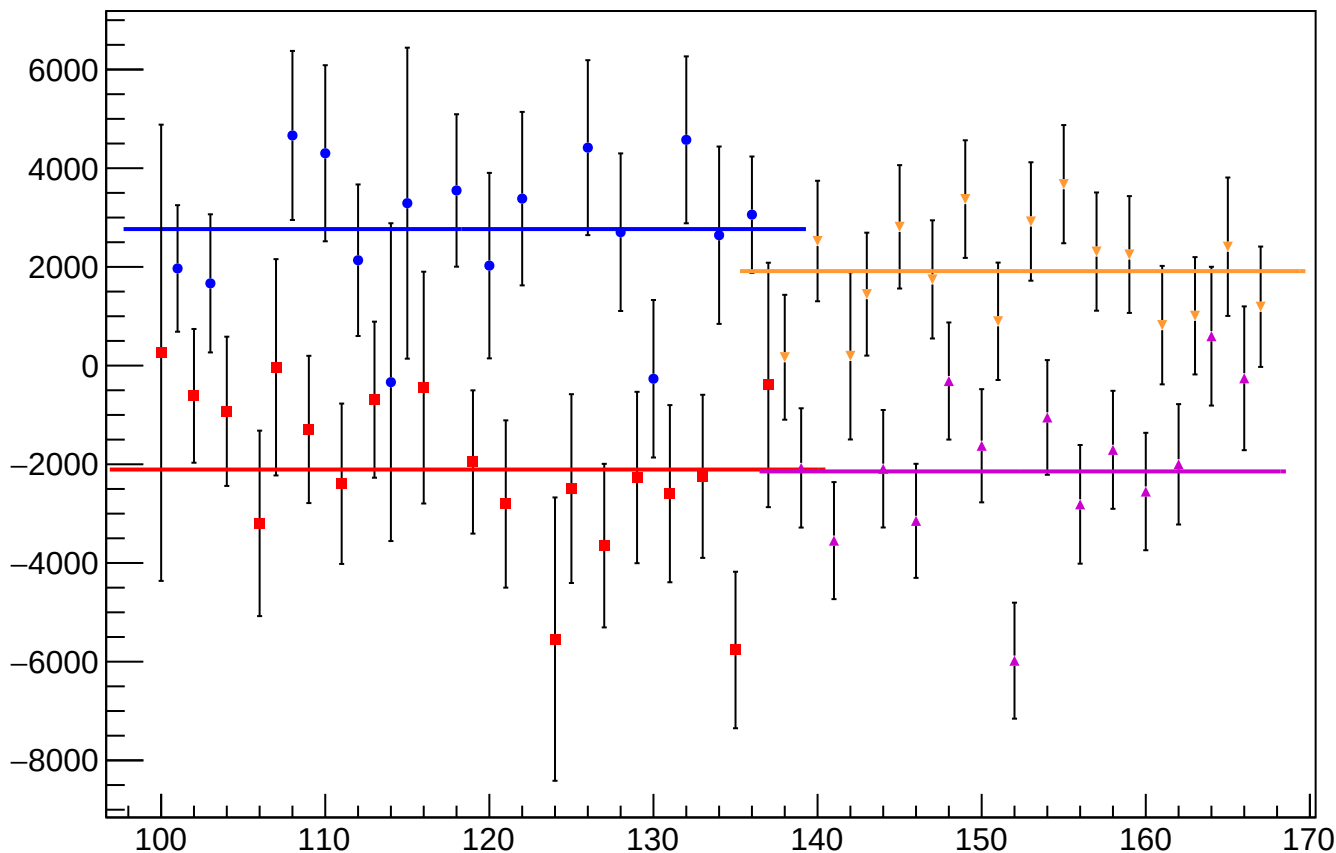
Left In: 1447.408 $\pm$ 0.306 χ^2 /NDF: 500241.0/13

+ sign 1506.080 $\pm$ 0.244 χ^2 /NDF: 1214503.6/31

All: 1518.127 $\pm$ 0.176 χ^2 /NDF: 2385610.4/64

- sign 1531.067 $\pm$ 0.253 χ^2 /NDF: 1166050.4/32

dit_asym_usr_mean vs Slug



Right In: 2766.657 $\pm$ 411.563 χ^2 /NDF: 10.3/15

Left Out: 1914.125 $\pm$ 309.770 χ^2 /NDF:11.0/15

Right Out: -2106.358 $\pm$ 405.586 χ^2 /NDF: 13.4/18

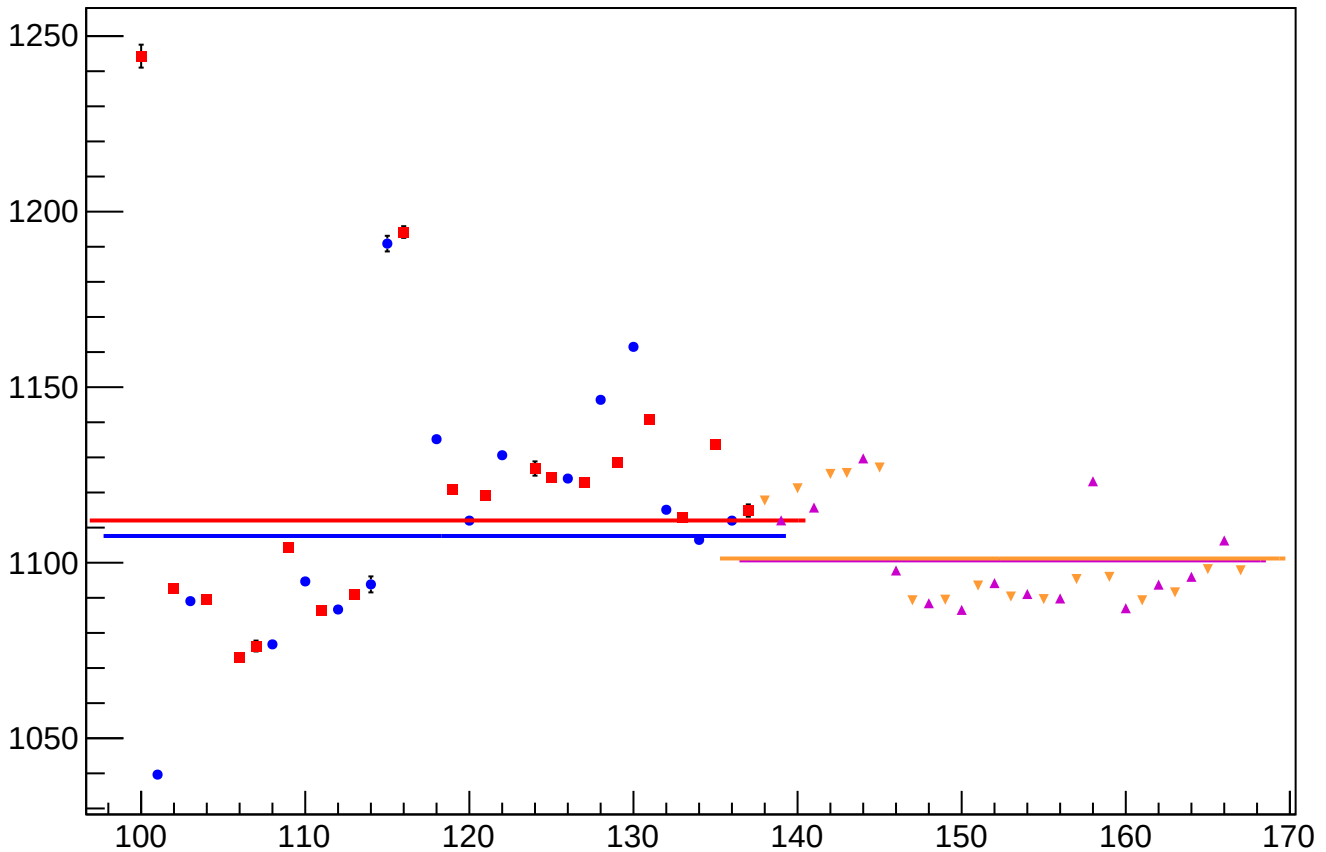
Left In: -2144.561 $\pm$ 323.923 χ^2 /NDF:22.3/13

+ sign 2222.432 $\pm$ 247.499 χ^2 /NDF: 24.1/31

All: 95.129 $\pm$ 176.958 χ^2 /NDF: 210.9/64

- sign -2129.683 $\pm$ 253.107 χ^2 /NDF: 35.7/32

dit_asym_usr_rms vs Slug



Right In: 1107.613 $\pm$ 0.291 χ^2 /NDF: 13220.8/15

Left Out: 1101.203 $\pm$ 0.219 χ^2 /NDF: 4169.6/15

Right Out: 1112.029 $\pm$ 0.287 χ^2 /NDF: 8653.5/18

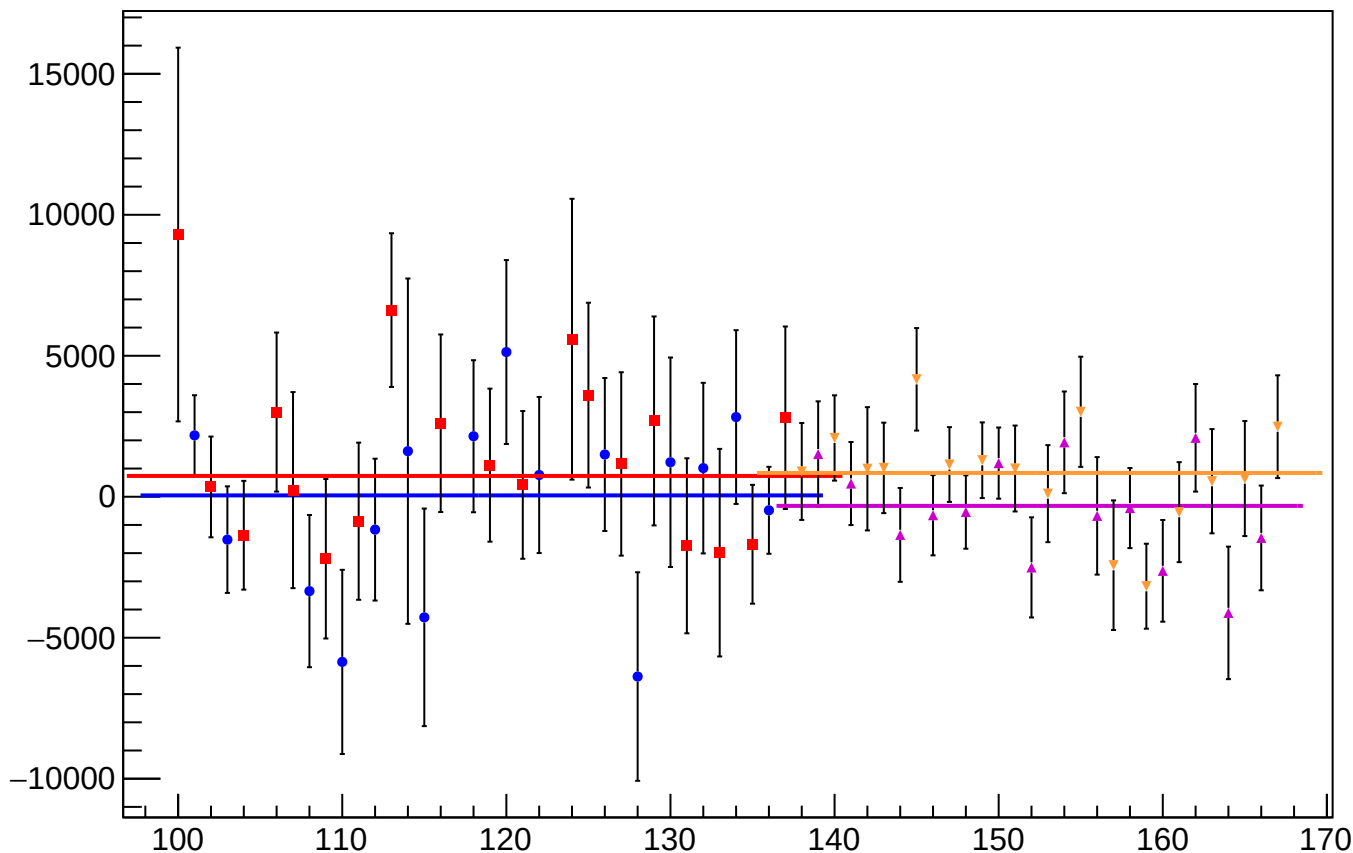
Left In: 1100.667 $\pm$ 0.229 χ^2 /NDF: 3665.3/13

+ sign 1103.521 $\pm$ 0.175 χ^2 /NDF: 17700.2/31

All: 1104.289 $\pm$ 0.125 χ^2 /NDF: 31016.7/64

- sign 1105.092 $\pm$ 0.179 χ^2 /NDF: 13277.2/32

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF : 16.9/15

Left Out: 844.831+/-422.090 χ^2/NDF : 16.2/15

Right Out: 738.185+/-647.795 χ^2/NDF : 14.9/18

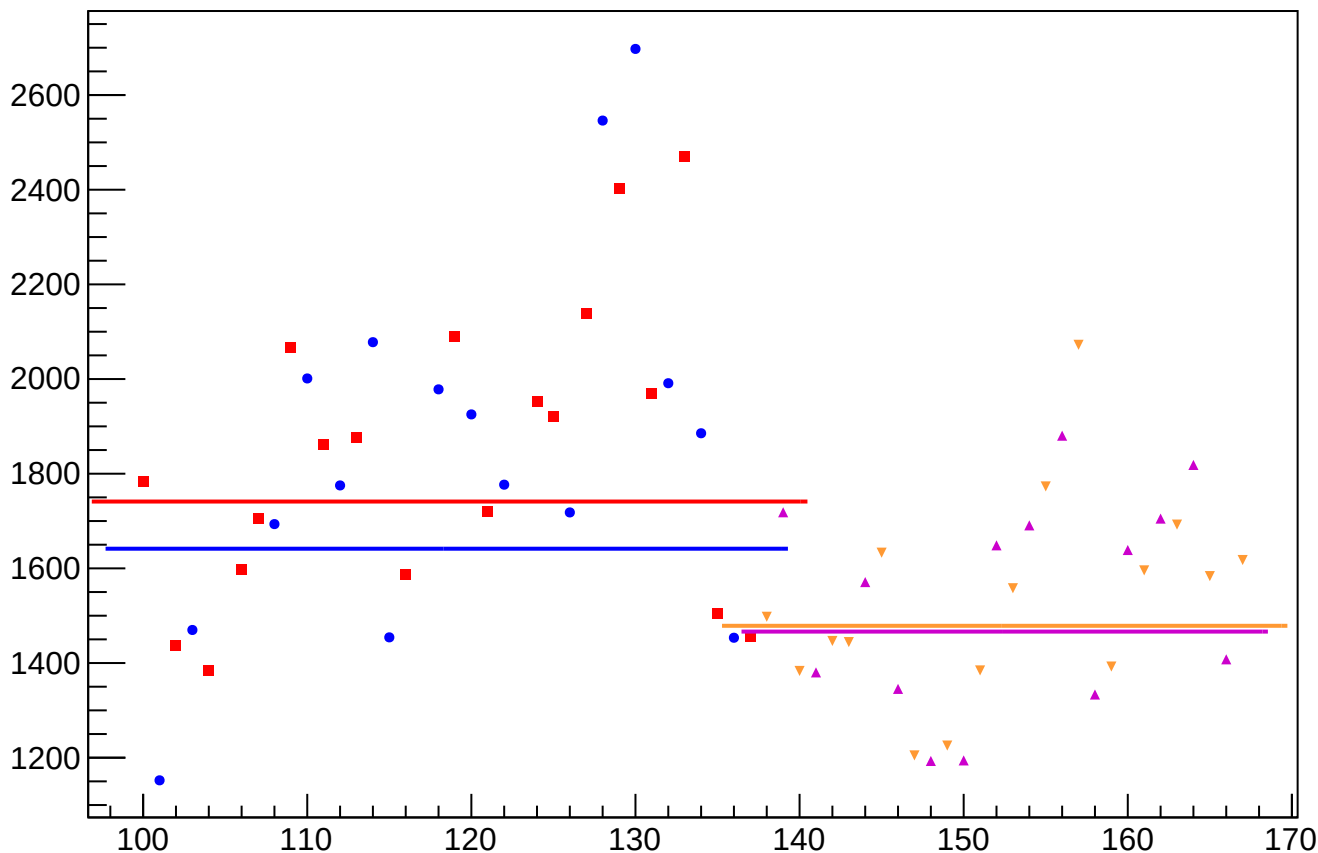
Left In: -324.007+/-437.590 χ^2/NDF : 12.5/13

+ sign 596.855+/-350.327 χ^2/NDF : 34.2/31

All: 312.963+/-251.949 χ^2/NDF : 64.8/64

- sign 8.813+/-362.611 χ^2/NDF : 29.3/32

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538 $\pm$ 0.444 χ^2 /NDF: 701311.4/15

Left Out: 1478.670 $\pm$ 0.298 χ^2 /NDF: 430120.3/15

Right Out: 1741.200 $\pm$ 0.458 χ^2 /NDF: 438336.6/18

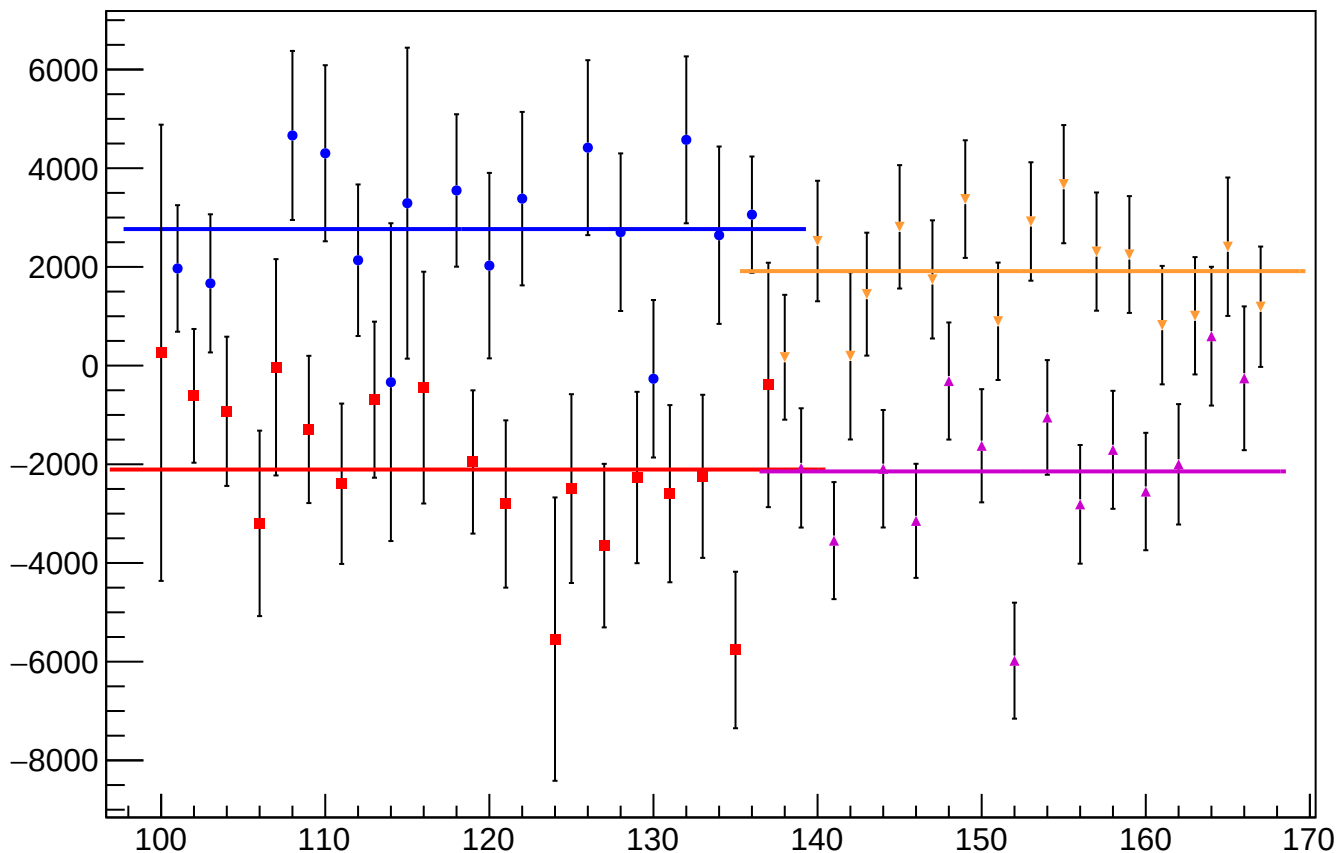
Left In: 1466.422 $\pm$ 0.309 χ^2 /NDF: 491594.7/13

+ sign 1529.343 $\pm$ 0.248 χ^2 /NDF: 1224079.7/31

All: 1540.532 $\pm$ 0.178 χ^2 /NDF: 2405332.6/64

- sign 1552.519 $\pm$ 0.256 χ^2 /NDF: 1177027.3/32

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656 $\pm$ 411.563 χ^2 /NDF: 10.3/15

Left Out: 1914.122 $\pm$ 309.770 χ^2 /NDF:11.0/15

Right Out: -2106.360 $\pm$ 405.586 χ^2 /NDF: 13.4/18

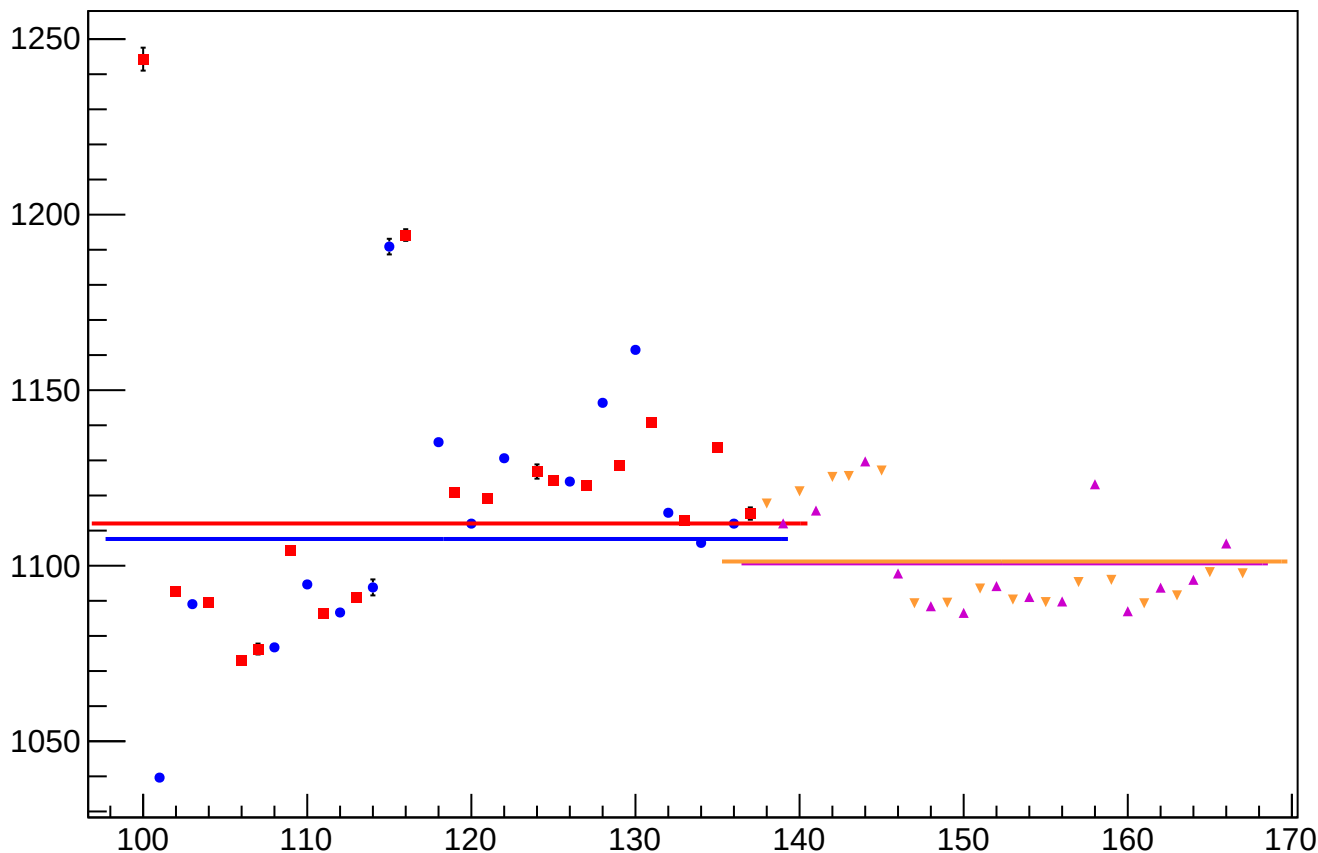
Left In: -2144.562 $\pm$ 323.923 χ^2 /NDF:22.3/13

+ sign 2222.430 $\pm$ 247.499 χ^2 /NDF: 24.1/31

All: 95.127 $\pm$ 176.958 χ^2 /NDF: 210.9/64

- sign -2129.684 $\pm$ 253.107 χ^2 /NDF: 35.7/32

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613 ± 0.291 χ^2/NDF : 13220.7/15

Left Out: 1101.203 ± 0.219 χ^2/NDF : 4169.6/15

Right Out: 1112.029 ± 0.287 χ^2/NDF : 8653.5/18

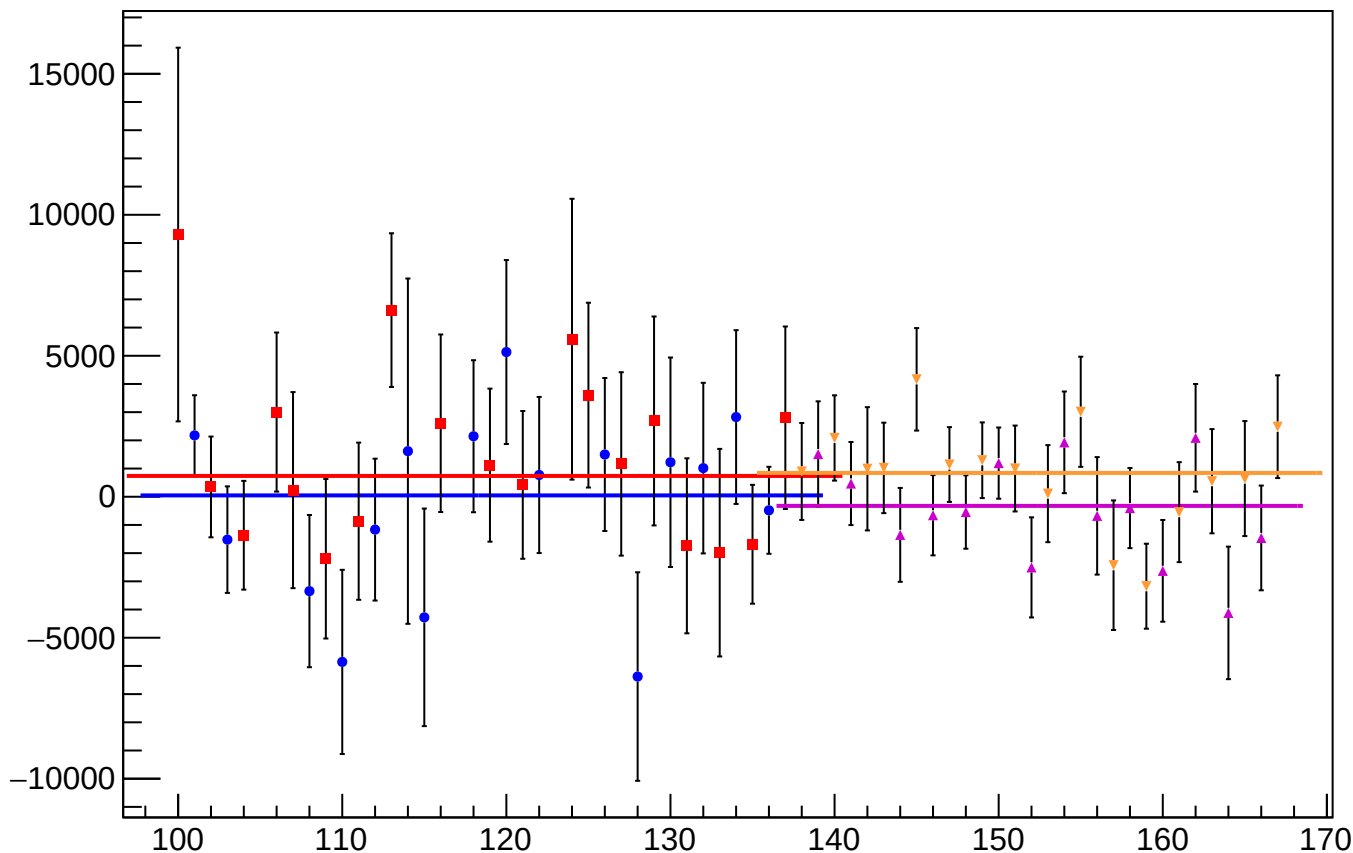
Left In: 1100.667 ± 0.229 χ^2/NDF : 3665.3/13

+ sign 1103.521 ± 0.175 χ^2/NDF : 17700.0/31

All: 1104.289 ± 0.125 χ^2/NDF : 31016.6/64

- sign 1105.092 ± 0.179 χ^2/NDF : 13277.1/32

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF : 16.9/15

Left Out: 844.830+/-422.091 χ^2/NDF : 16.2/15

Right Out: 738.188+/-647.795 χ^2/NDF : 14.9/18

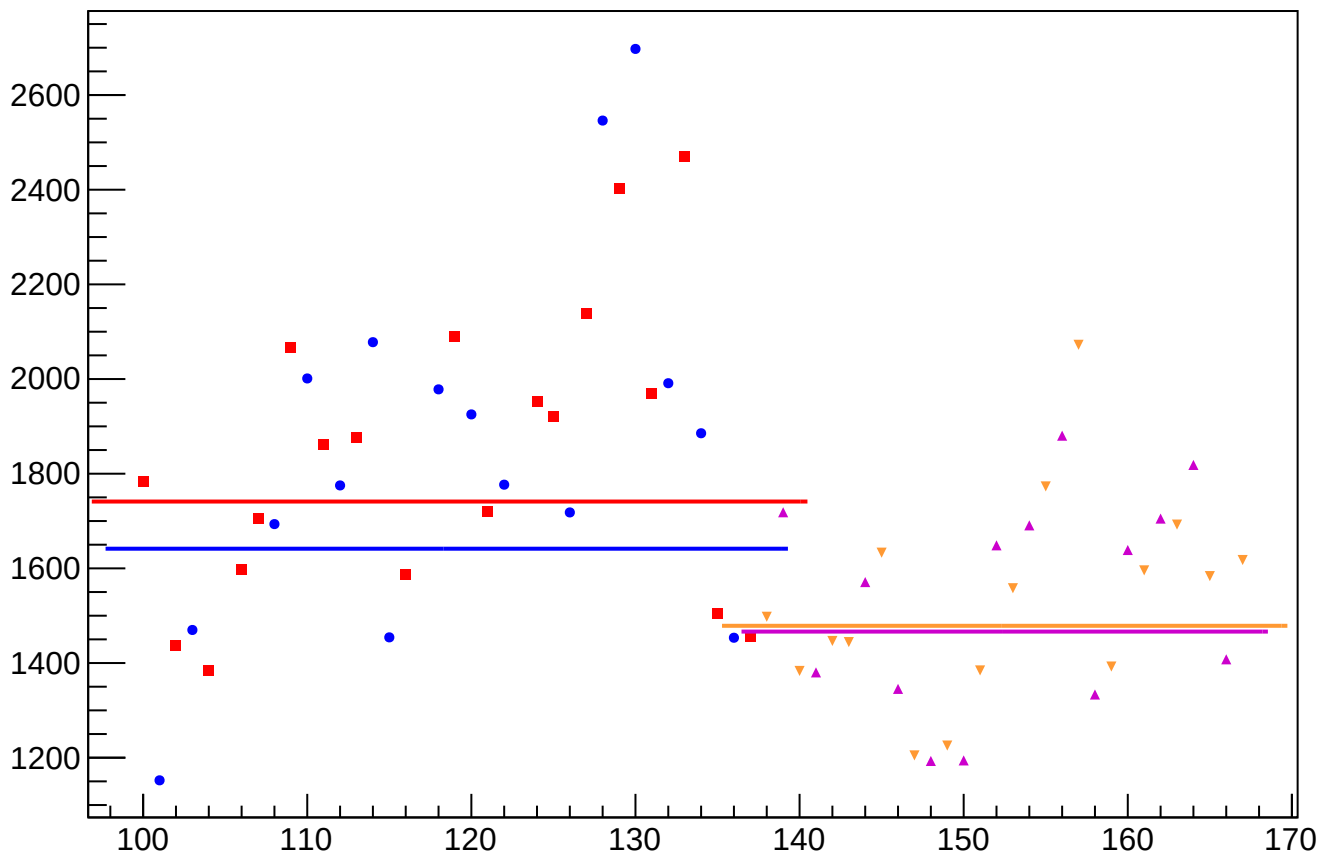
Left In: -324.008+/-437.592 χ^2/NDF : 12.5/13

+ sign 596.851+/-350.327 χ^2/NDF : 34.2/31

All: 312.962+/-251.950 χ^2/NDF : 64.8/64

- sign 8.815+/-362.611 χ^2/NDF : 29.3/32

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536 $\pm$ 0.444 χ^2 /NDF: 701299.1/15

Left Out: 1478.673 $\pm$ 0.298 χ^2 /NDF: 430124.8/15

Right Out: 1741.199 $\pm$ 0.458 χ^2 /NDF: 438324.1/18

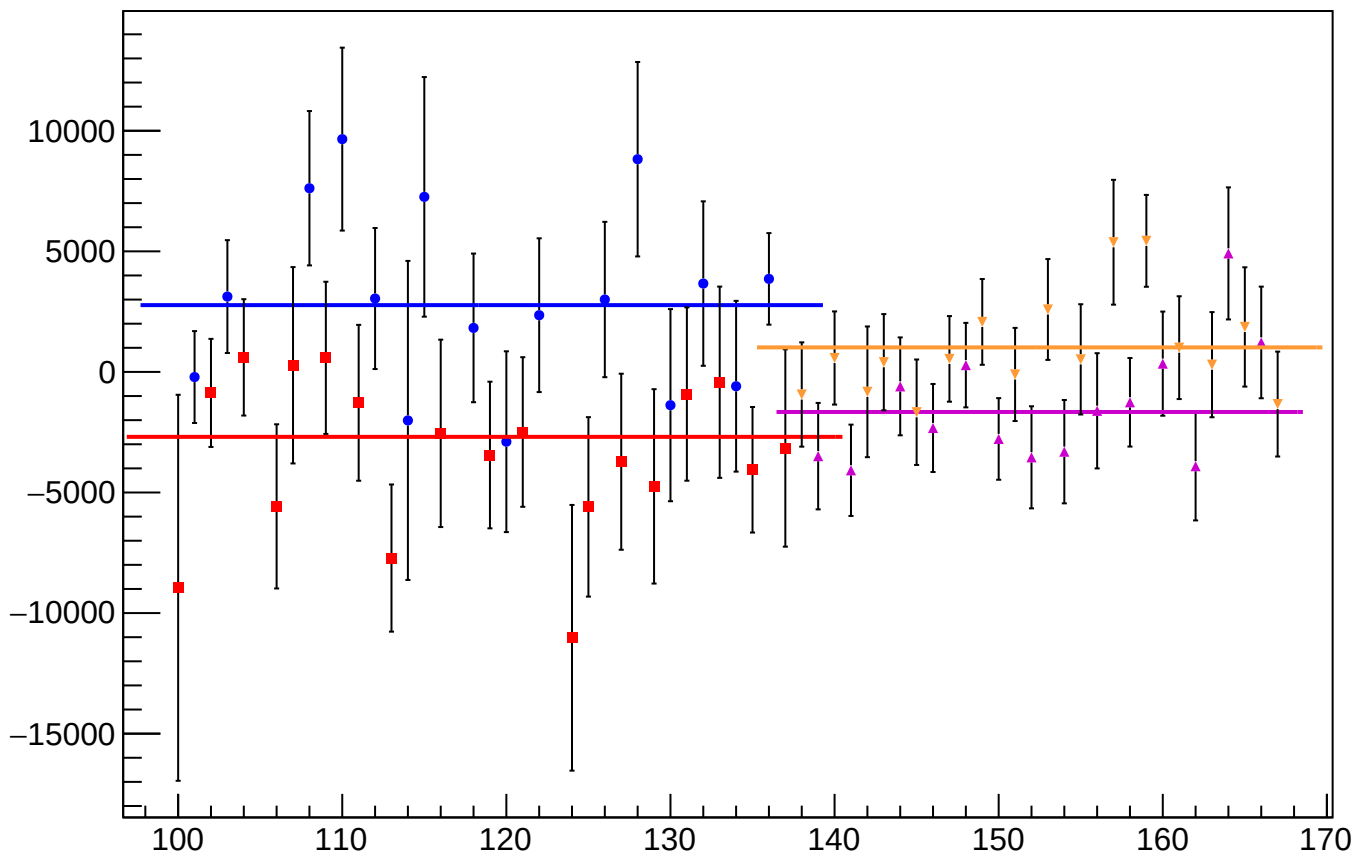
Left In: 1466.425 $\pm$ 0.309 χ^2 /NDF: 491600.3/13

+ sign 1529.345 $\pm$ 0.248 χ^2 /NDF: 1224065.7/31

All: 1540.534 $\pm$ 0.178 χ^2 /NDF: 2405303.2/64

- sign 1552.521 $\pm$ 0.256 χ^2 /NDF: 1177011.8/32

asym_usr_mean vs Slug



Right In: 2769.952 $\pm$ 757.109 χ^2 /NDF: 16.4/15

Left Out: 1017.591 $\pm$ 524.849 χ^2 /NDF:13.9/15

Right Out: -2692.625 $\pm$ 765.754 χ^2 /NDF: 12.5/18

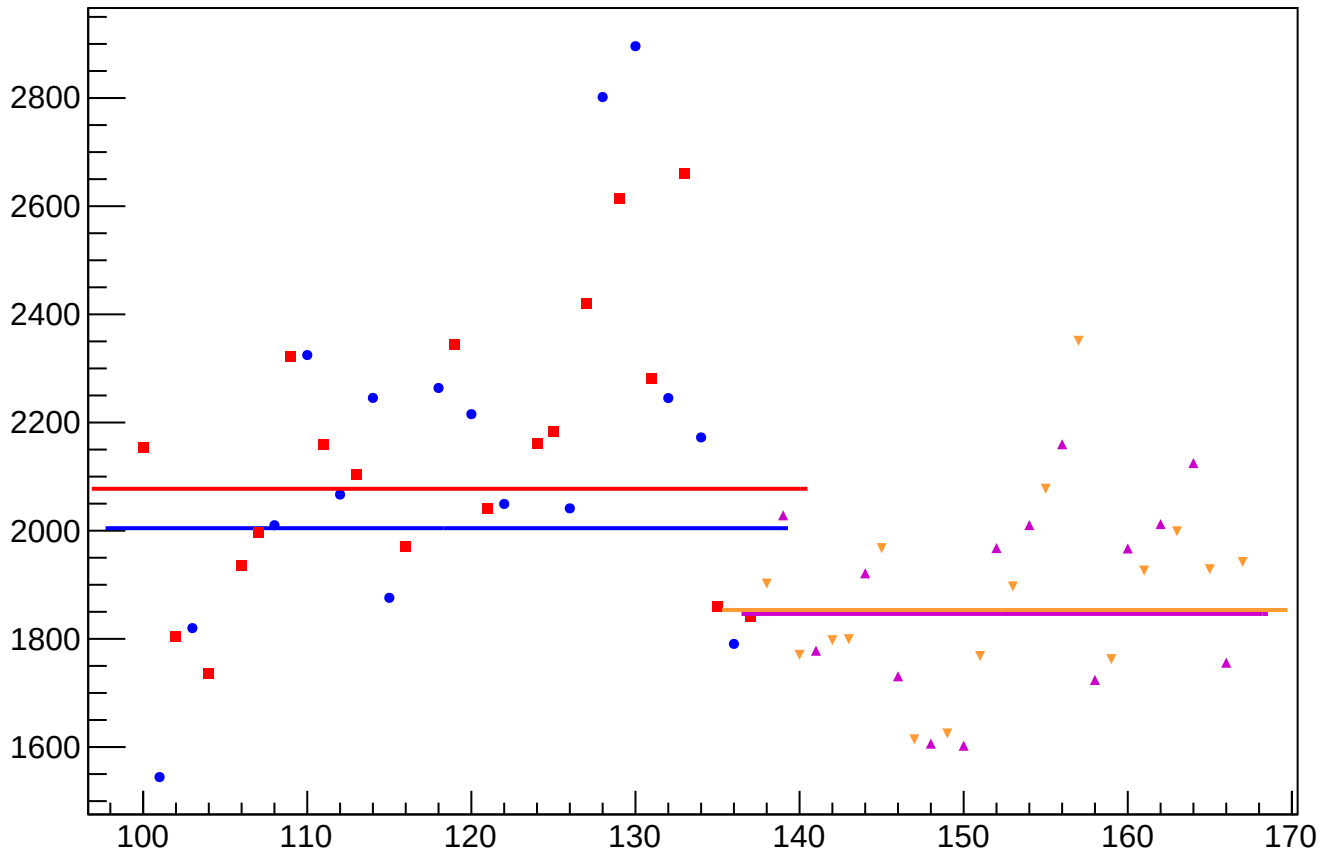
Left In: -1660.839 $\pm$ 546.581 χ^2 /NDF:15.0/13

+ sign 1586.376 $\pm$ 431.341 χ^2 /NDF: 34.0/31

All: -155.826 $\pm$ 309.679 χ^2 /NDF: 96.4/64

- sign -2009.090 $\pm$ 444.877 χ^2 /NDF: 28.7/32

asym_usr_rms vs Slug



Right In: 2004.635 $\pm$ 0.535 χ^2 /NDF: 387567.3/15

Left Out: 1853.301 $\pm$ 0.371 χ^2 /NDF: 200677.3/15

Right Out: 2077.500 $\pm$ 0.541 χ^2 /NDF: 230482.0/18

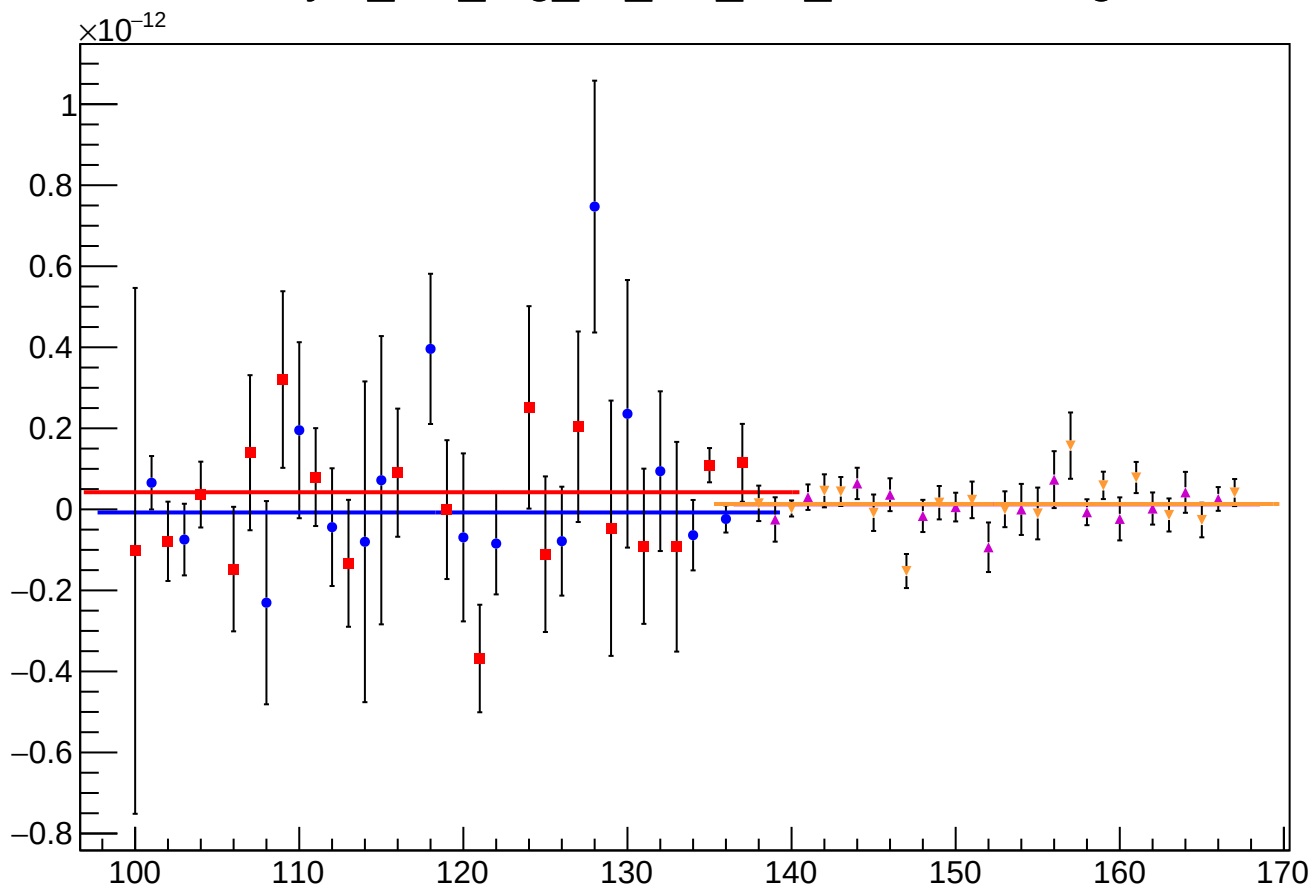
Left In: 1846.057 $\pm$ 0.386 χ^2 /NDF: 208629.6/13

+ sign 1902.421 $\pm$ 0.305 χ^2 /NDF: 642215.6/31

All: 1912.962 $\pm$ 0.219 χ^2 /NDF: 1204827.4/64

- sign 1924.174 $\pm$ 0.315 χ^2 /NDF: 560147.2/32

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 16.5/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27.5/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 21.8/18$

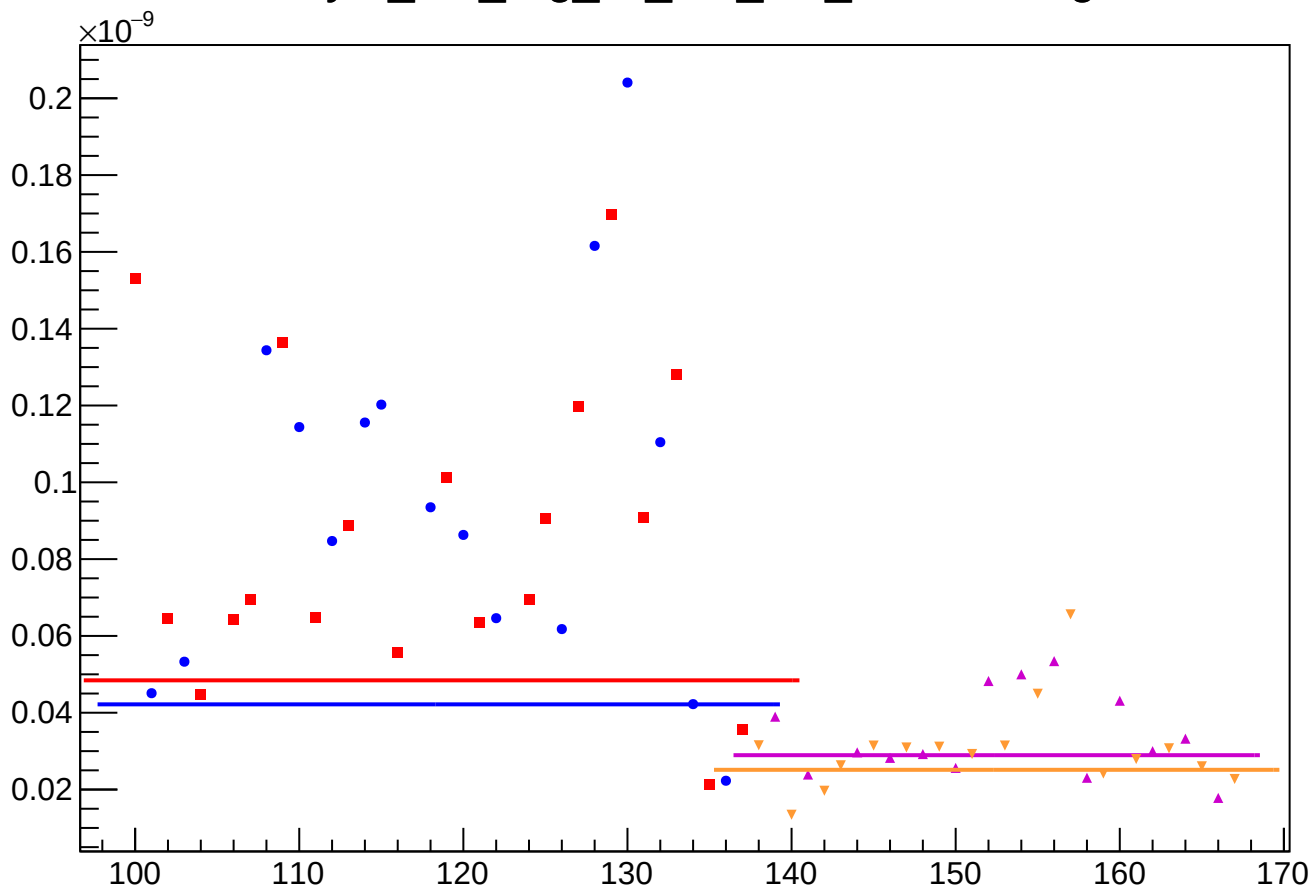
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 8.7/13$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 44.6/31$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 76.4/64$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 31.5/32$

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2933545.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1699370.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2604483.4/18

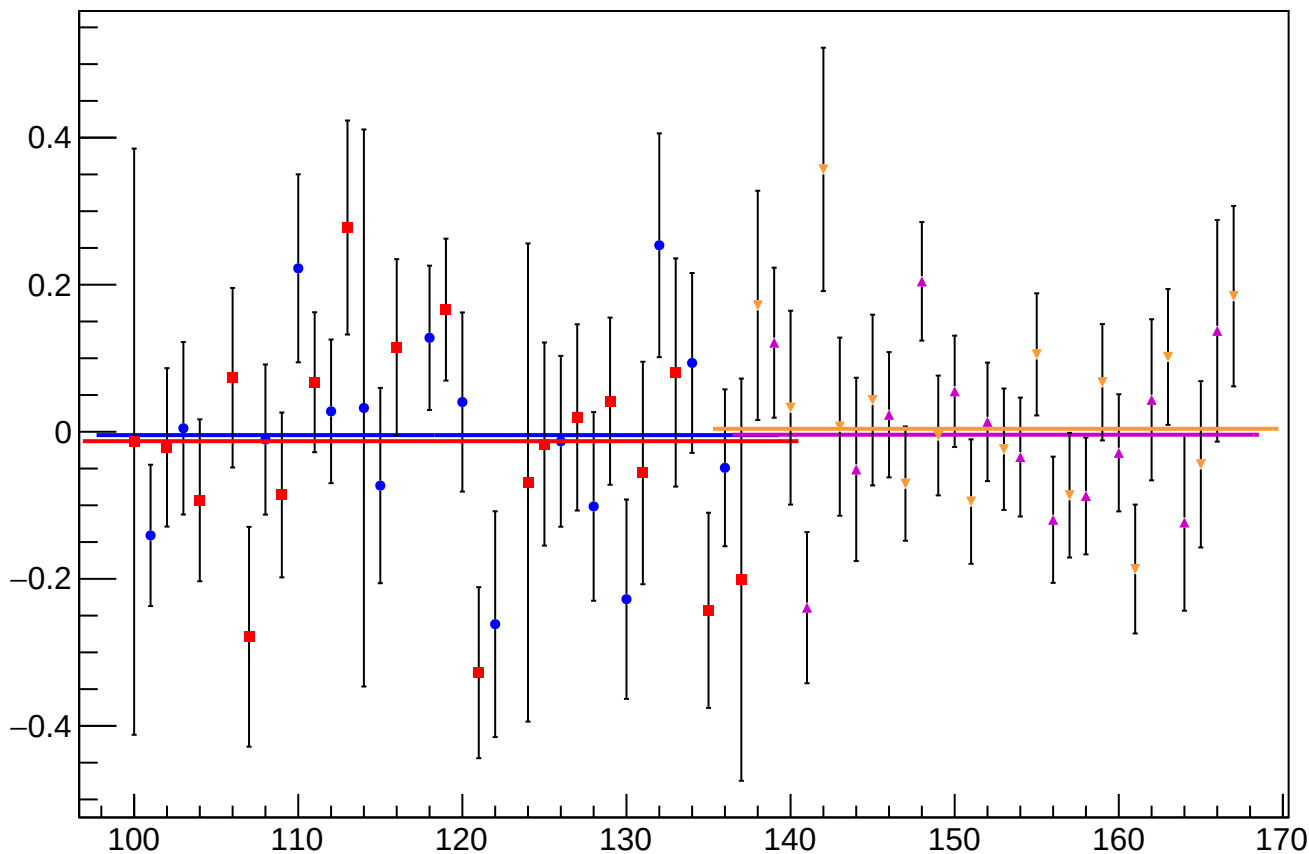
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1317507.1/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5487394.7/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10507449.5/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4815186.8/32

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.004 ± 0.024 χ^2/NDF : 19.7/15

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

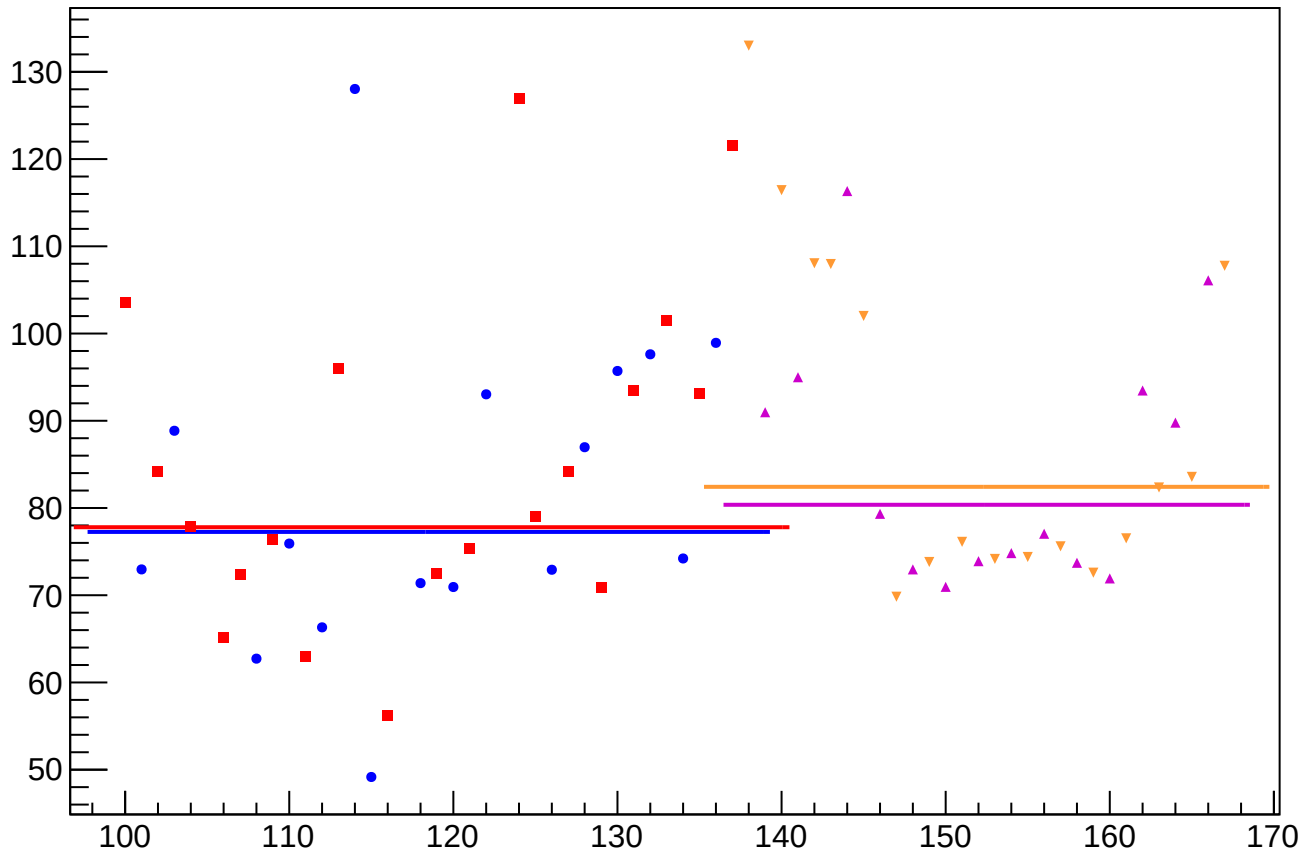
Left In: -0.004 ± 0.024 χ^2/NDF : 19.5/13

+ sign 0.001 ± 0.019 χ^2/NDF : 37.1/31

All: -0.003 ± 0.013 χ^2/NDF : 82.2/64

- sign -0.008 ± 0.019 χ^2/NDF : 45.1/32

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2 /NDF: 419290.2/15

Left Out: 82.427+/-0.017 χ^2 /NDF:800780.8/15

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

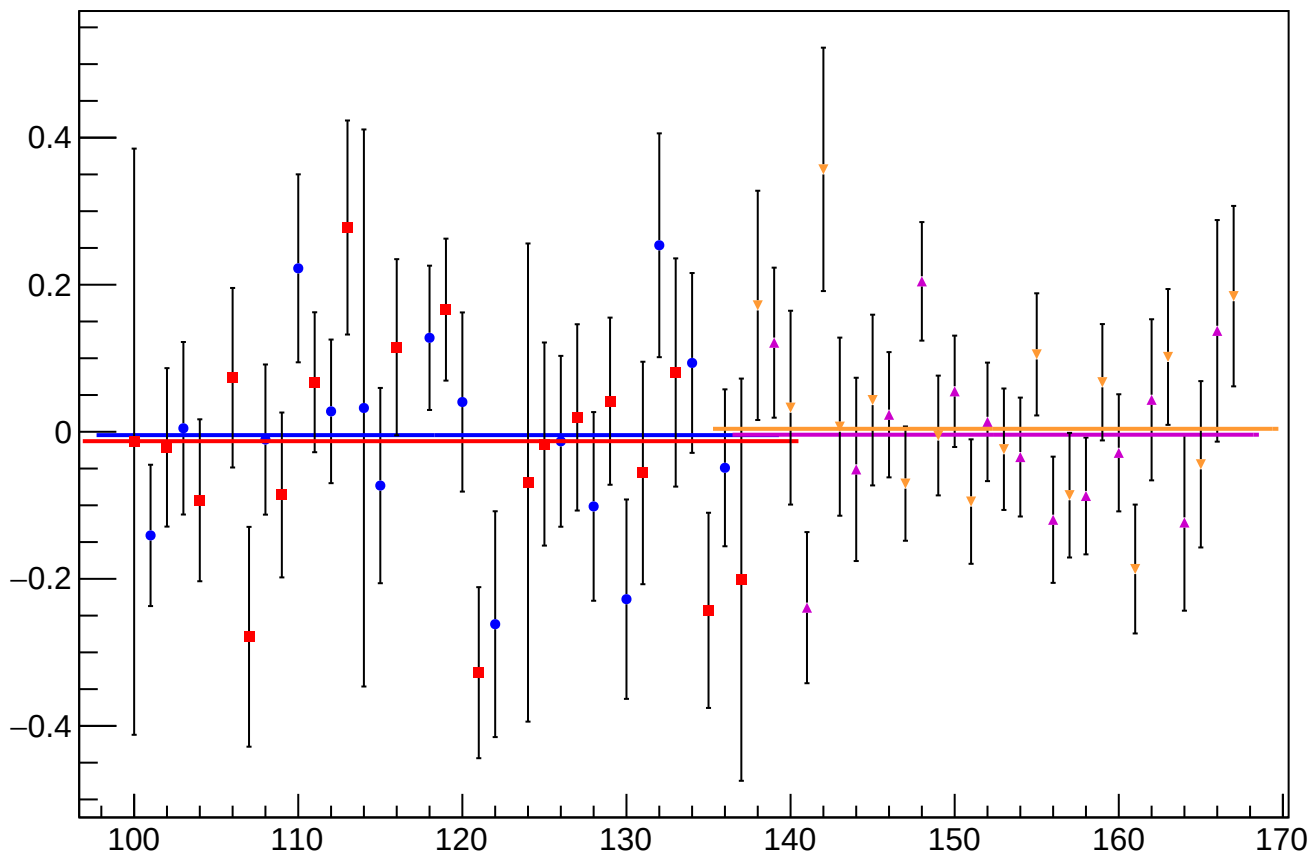
Left In: 80.368+/-0.017 χ^2 /NDF:437711.1/13

+ sign 80.400+/-0.013 χ^2 /NDF: 1256024.7/31

All: 79.867+/-0.009 χ^2 /NDF: 2102365.6/64

- sign 79.332+/-0.013 χ^2 /NDF: 843127.9/32

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.004 ± 0.024 χ^2/NDF : 19.7/15

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

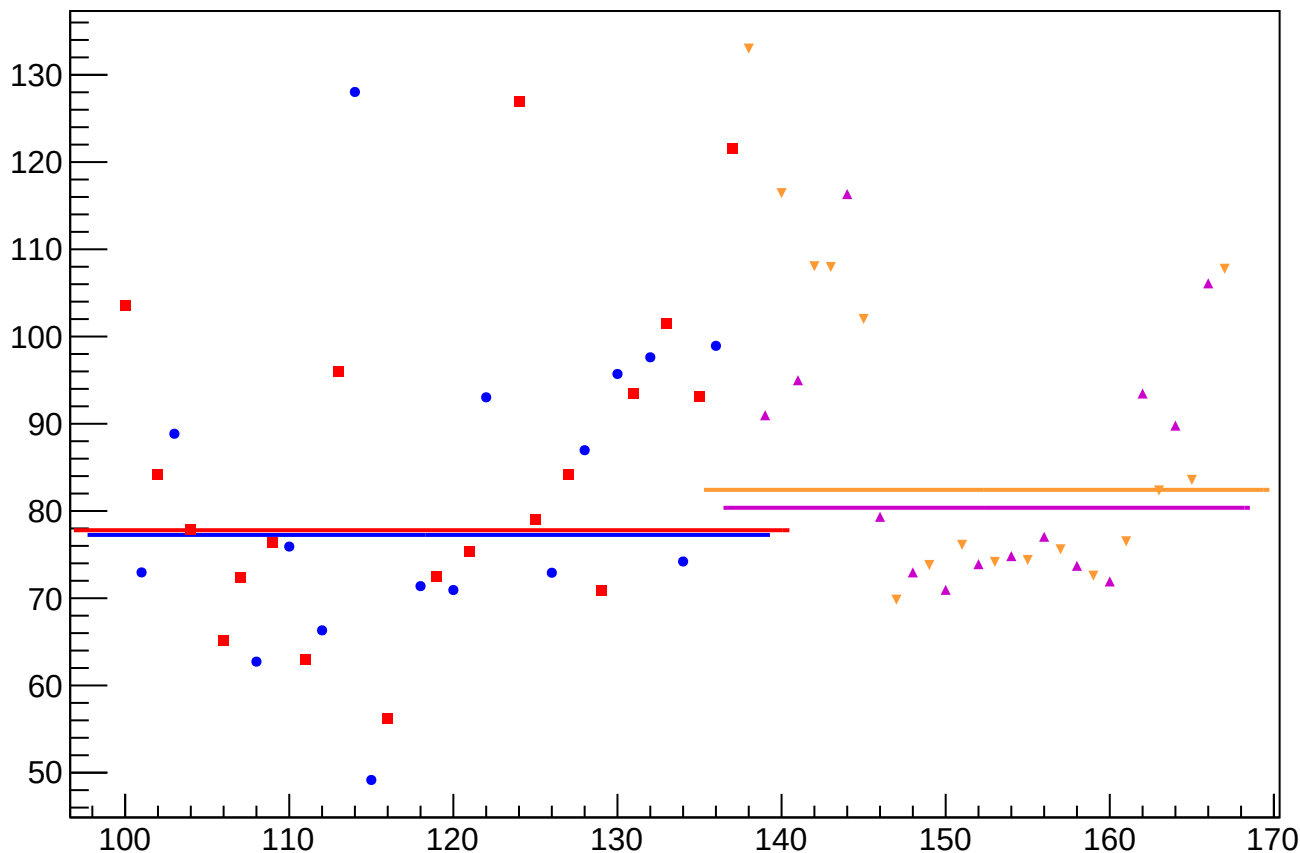
Left In: -0.004 ± 0.024 χ^2/NDF : 19.5/13

+ sign 0.001 ± 0.019 χ^2/NDF : 37.1/31

All: -0.003 ± 0.013 χ^2/NDF : 82.2/64

- sign -0.008 ± 0.019 χ^2/NDF : 45.1/32

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259 $\pm$ 0.021 χ^2/NDF : 419290.2/15

Left Out: 82.427 $\pm$ 0.017 χ^2/NDF : 800780.8/15

Right Out: 77.796 $\pm$ 0.021 χ^2/NDF : 396477.1/18

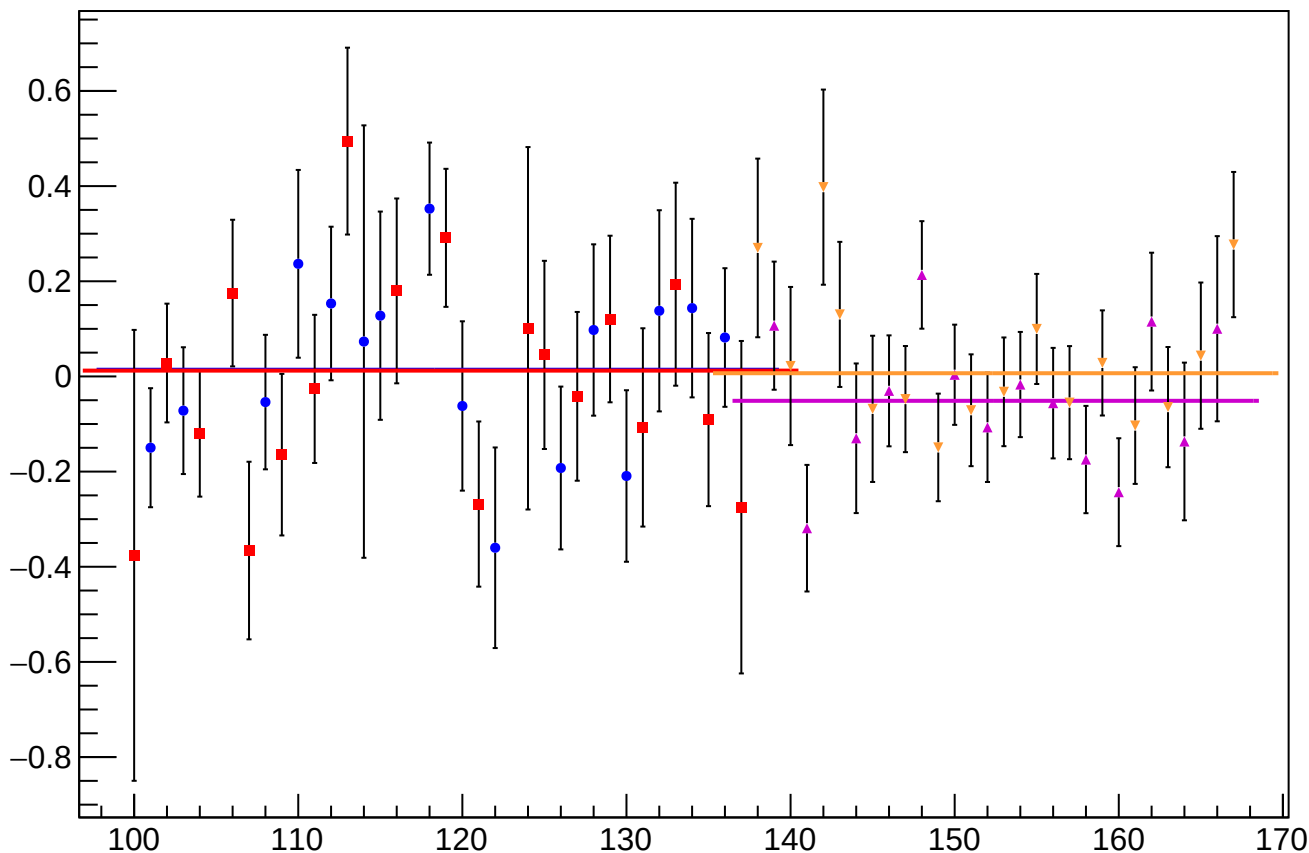
Left In: 80.368 $\pm$ 0.017 χ^2/NDF : 437711.1/13

+ sign 80.400 $\pm$ 0.013 χ^2/NDF : 1256024.7/31

All: 79.867 $\pm$ 0.009 χ^2/NDF : 2102365.6/64

- sign 79.332 $\pm$ 0.013 χ^2/NDF : 843127.9/32

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: 0.007 $\pm$ 0.033 χ^2/NDF :14.5/15

Right Out: 0.012 $\pm$ 0.041 χ^2/NDF : 23.8/18

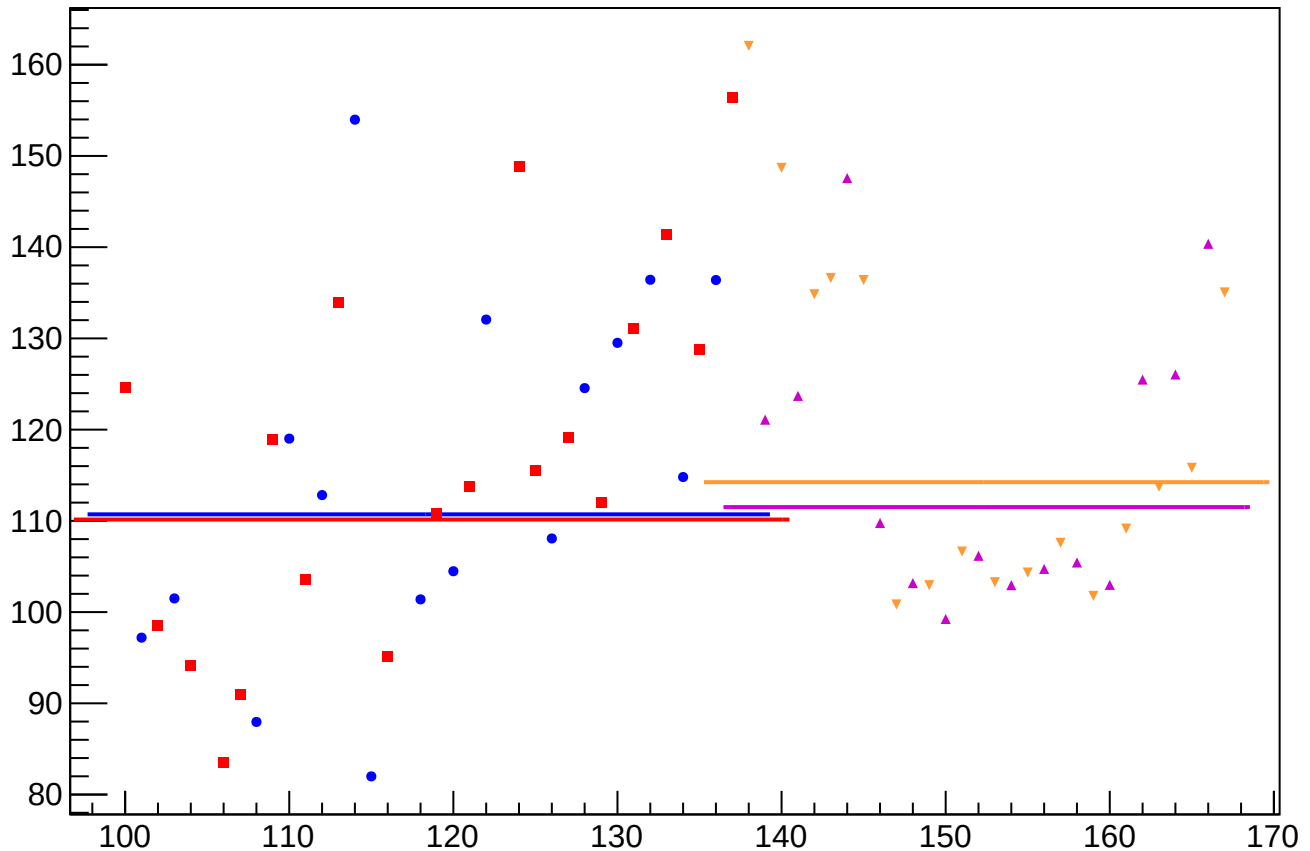
Left In: -0.051 $\pm$ 0.033 χ^2/NDF :18.1/13

+ sign 0.010 $\pm$ 0.026 χ^2/NDF : 32.7/31

All: -0.008 $\pm$ 0.018 χ^2/NDF : 76.8/64

- sign -0.026 $\pm$ 0.026 χ^2/NDF : 43.2/32

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: 114.242 $\pm$ 0.023 χ^2/NDF : 483402.8/15

Right Out: 110.145 $\pm$ 0.029 χ^2/NDF : 326726.5/18

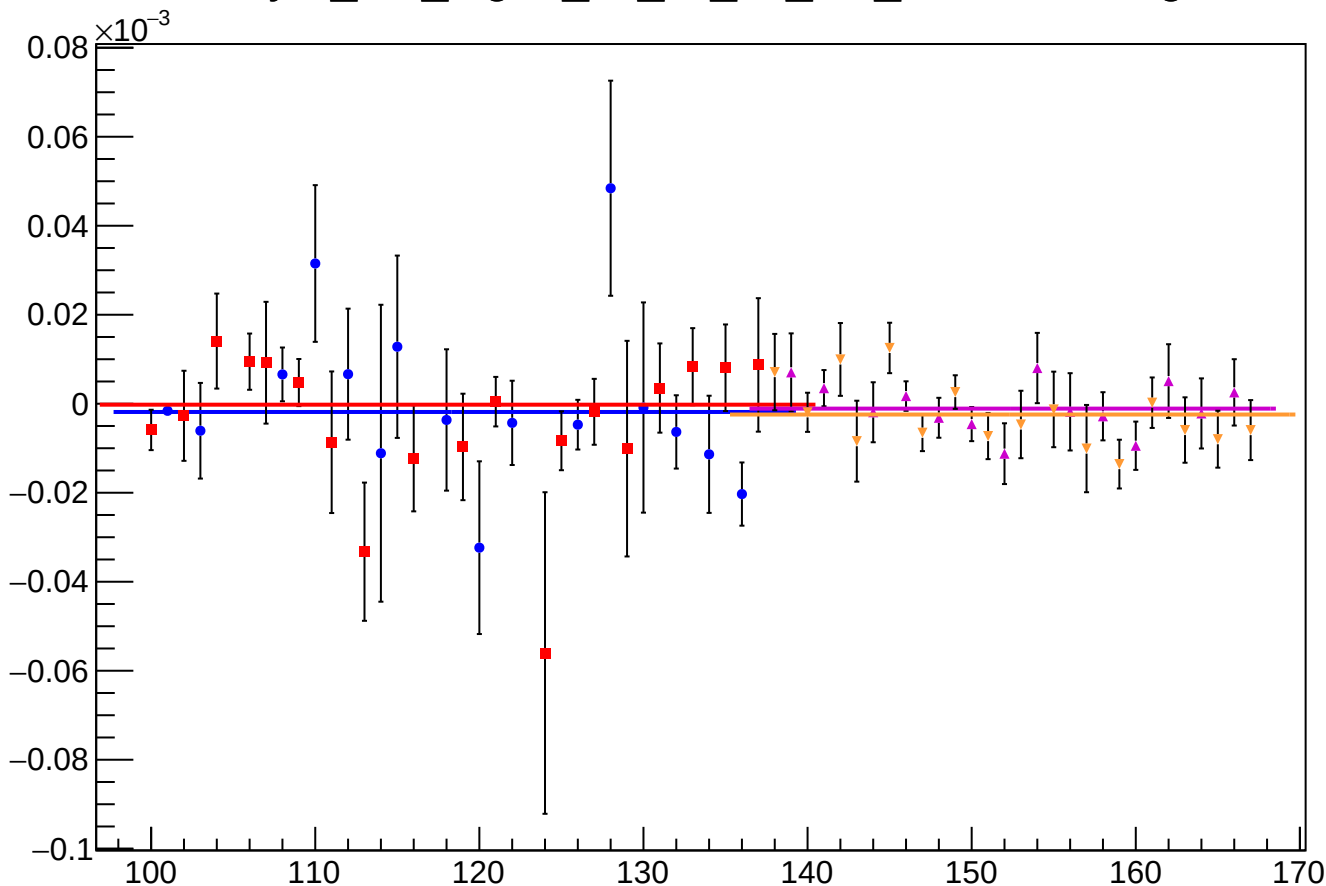
Left In: 111.510 $\pm$ 0.024 χ^2/NDF : 288842.6/13

+ sign 112.911 $\pm$ 0.018 χ^2/NDF : 792046.8/31

All: 111.941 $\pm$ 0.013 χ^2/NDF : 1414517.0/64

- sign 110.969 $\pm$ 0.018 χ^2/NDF : 616887.5/32

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 : 20.9/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

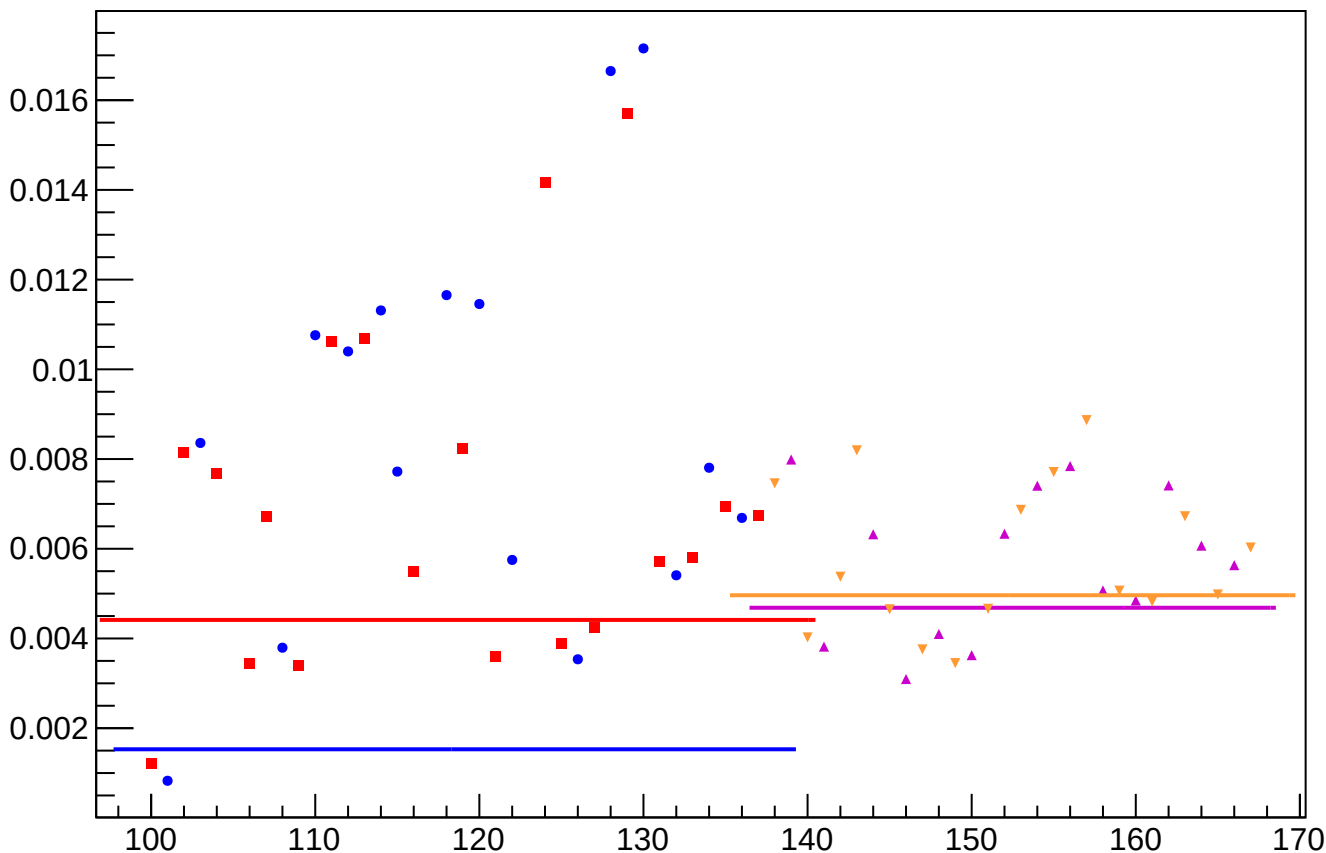
Left In: -0.000 ± 0.000 χ^2/NDF : 10.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 42.4/31

All: -0.000 ± 0.000 χ^2/NDF : 73.9/64

- sign -0.000 ± 0.000 χ^2/NDF : 30.8/32

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:1841434.6/15

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3388069.5/18

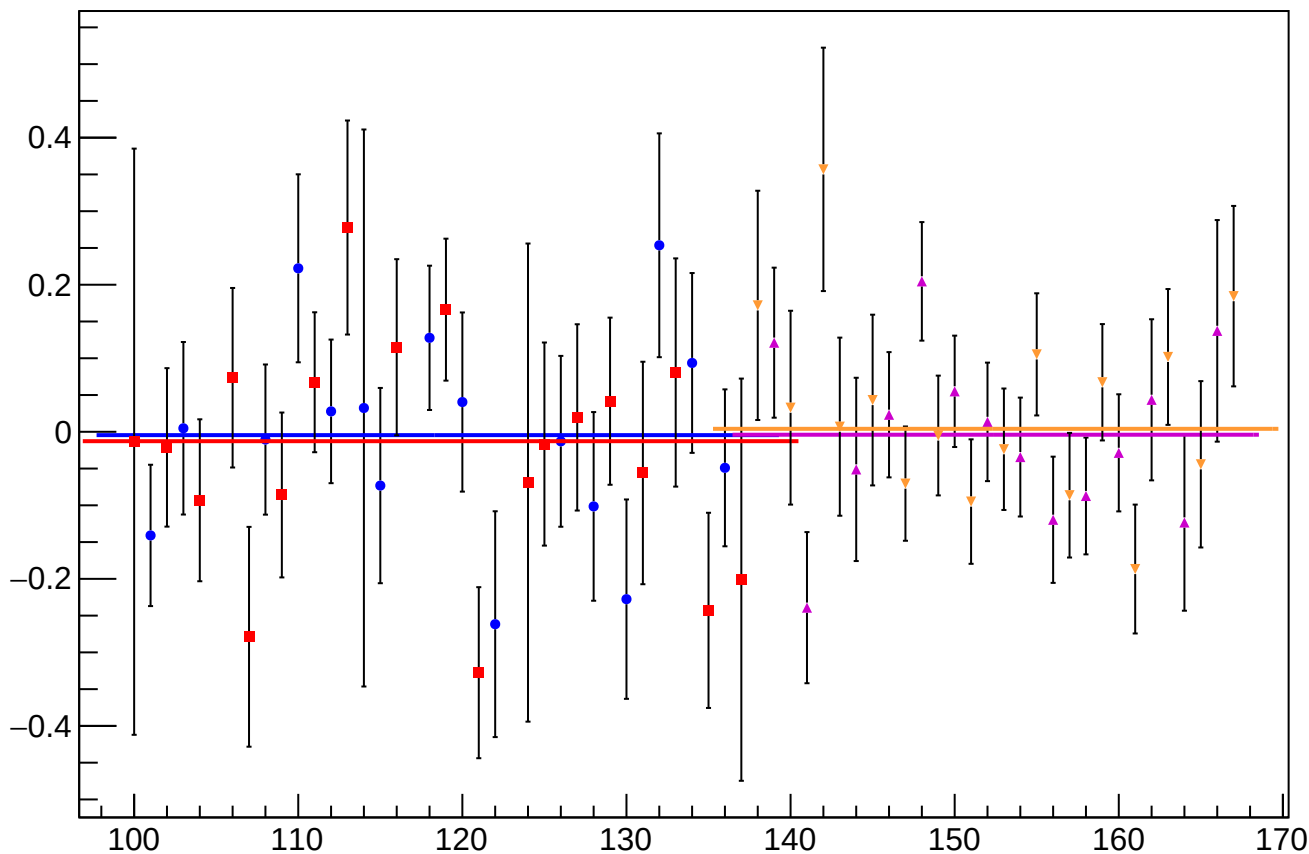
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2080749.2/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 18627432.1/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 28163333.4/64

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5494087.1/32

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.004 ± 0.024 χ^2/NDF : 19.7/15

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

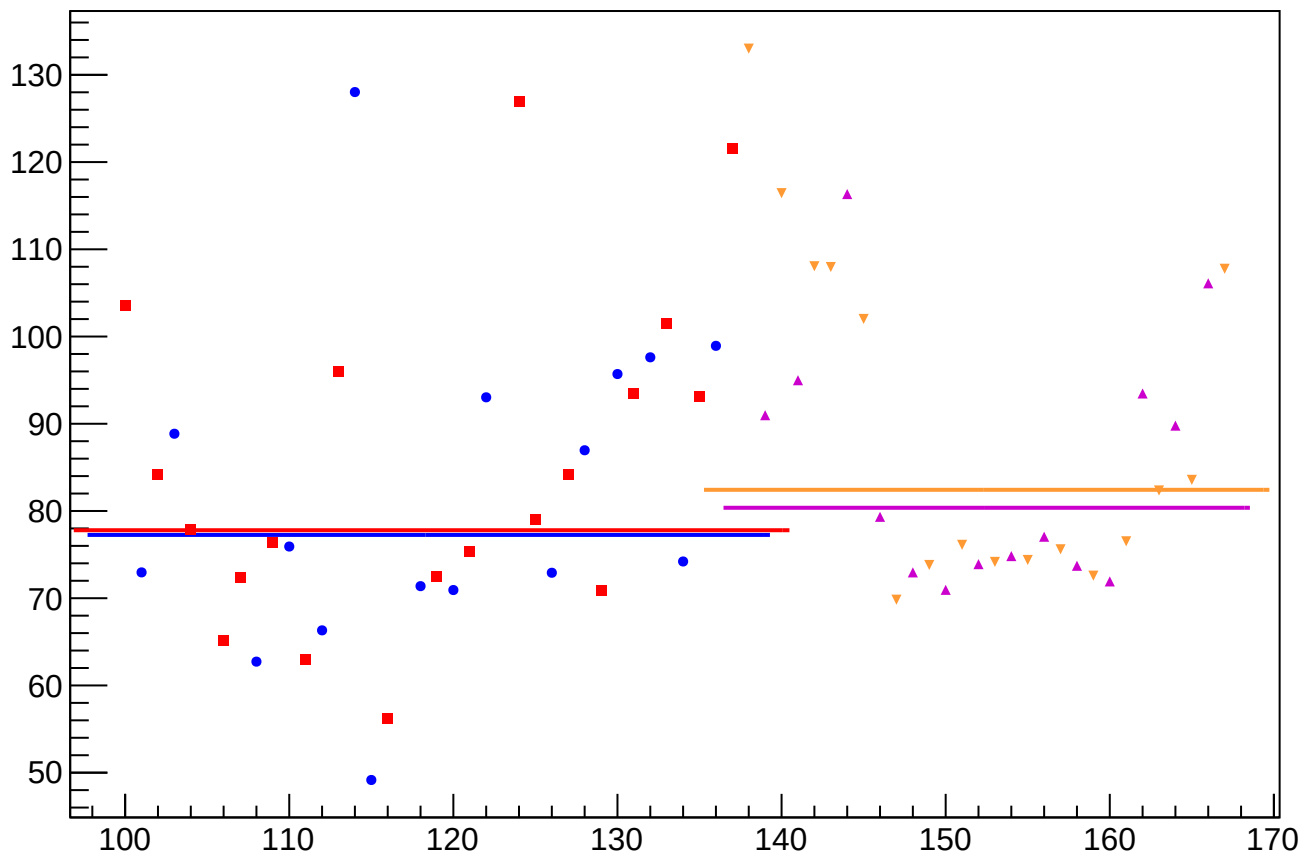
Left In: -0.004 ± 0.024 χ^2/NDF : 19.5/13

+ sign 0.001 ± 0.019 χ^2/NDF : 37.1/31

All: -0.003 ± 0.013 χ^2/NDF : 82.2/64

- sign -0.008 ± 0.019 χ^2/NDF : 45.1/32

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: 82.427 $\pm$ 0.017 χ^2 /NDF: 800785.1/15

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

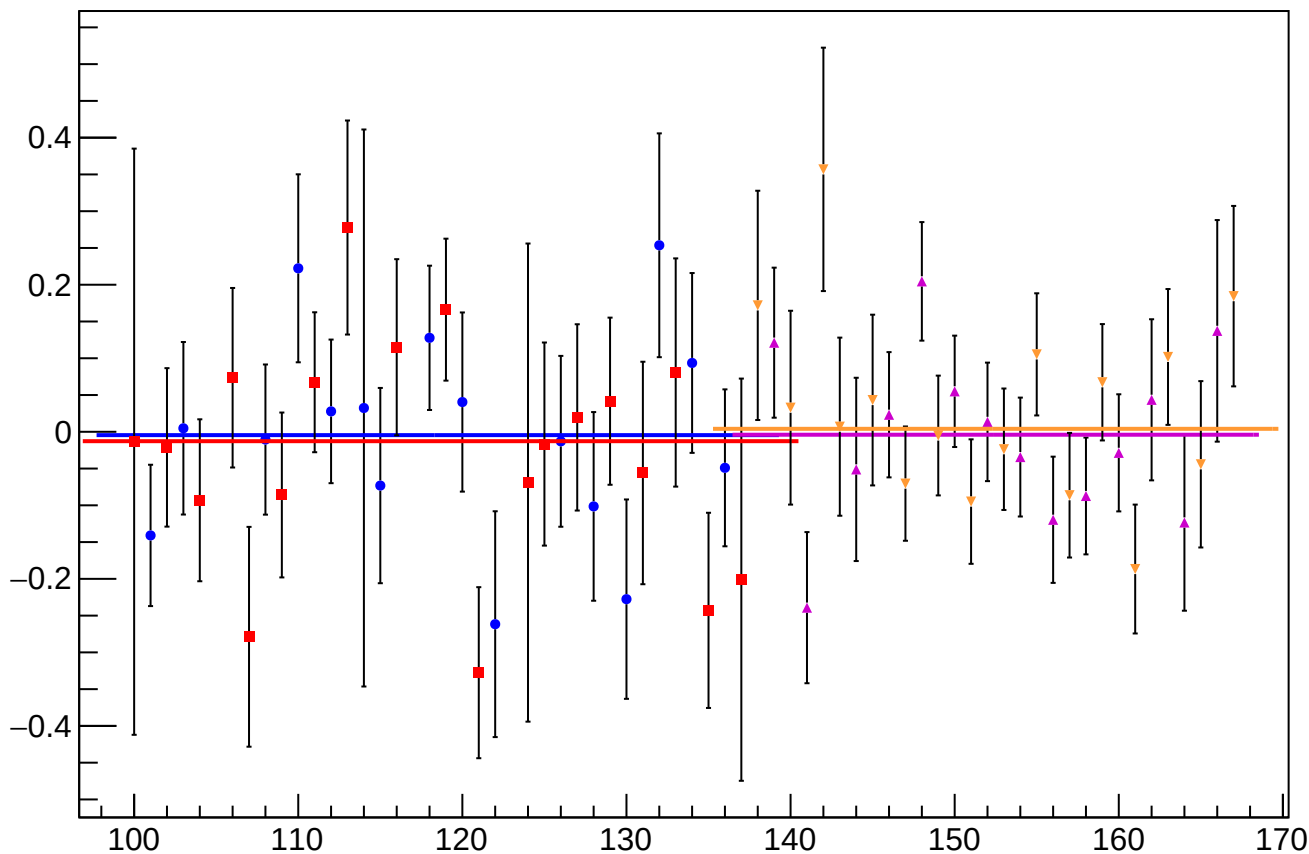
Left In: 80.368 $\pm$ 0.017 χ^2 /NDF: 437718.9/13

+ sign 80.400 $\pm$ 0.013 χ^2 /NDF: 1256045.5/31

All: 79.867 $\pm$ 0.009 χ^2 /NDF: 2102405.2/64

- sign 79.331 $\pm$ 0.013 χ^2 /NDF: 843145.9/32

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: 0.004 ± 0.024 χ^2/NDF : 19.7/15

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

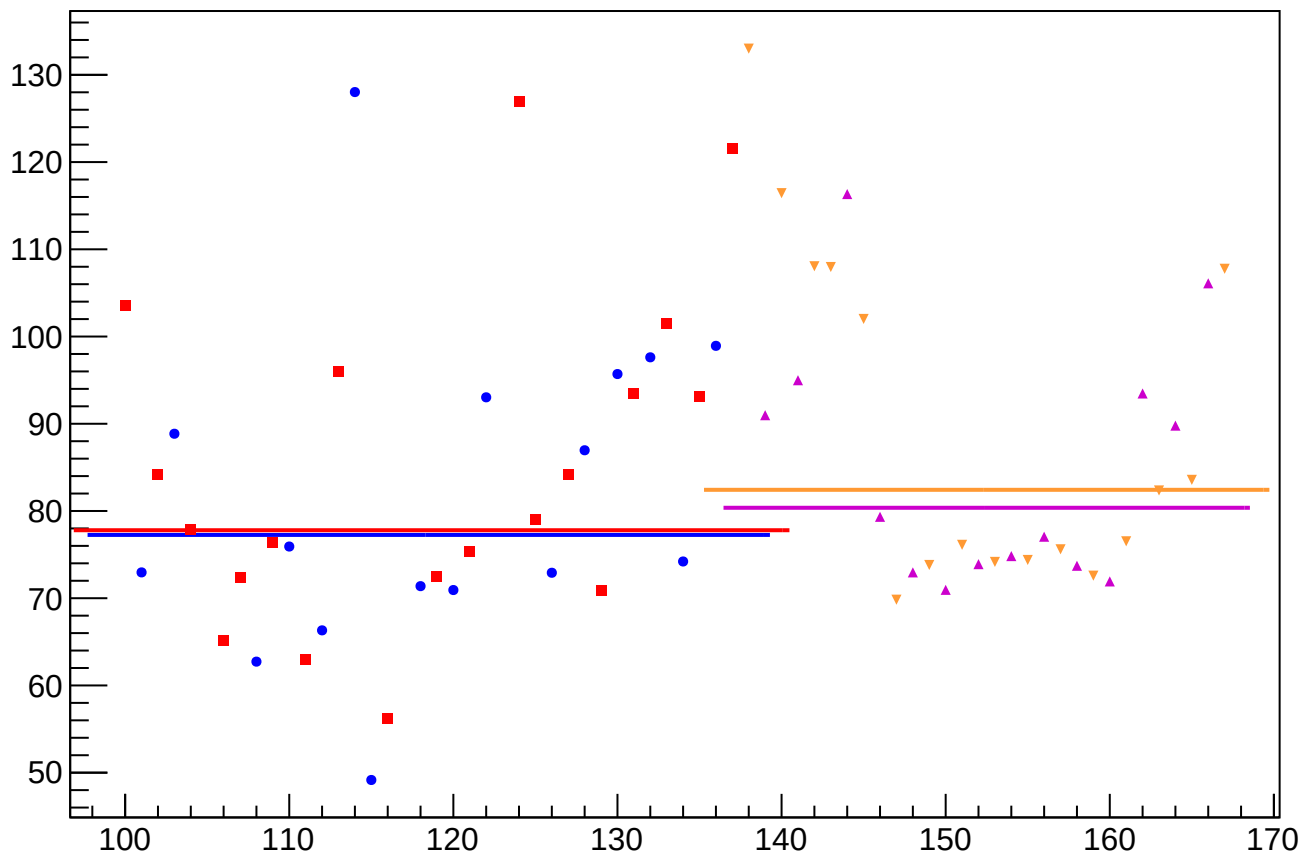
Left In: -0.004 ± 0.024 χ^2/NDF : 19.5/13

+ sign 0.001 ± 0.019 χ^2/NDF : 37.1/31

All: -0.003 ± 0.013 χ^2/NDF : 82.2/64

- sign -0.008 ± 0.019 χ^2/NDF : 45.1/32

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: 82.427 $\pm$ 0.017 χ^2 /NDF: 800785.1/15

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

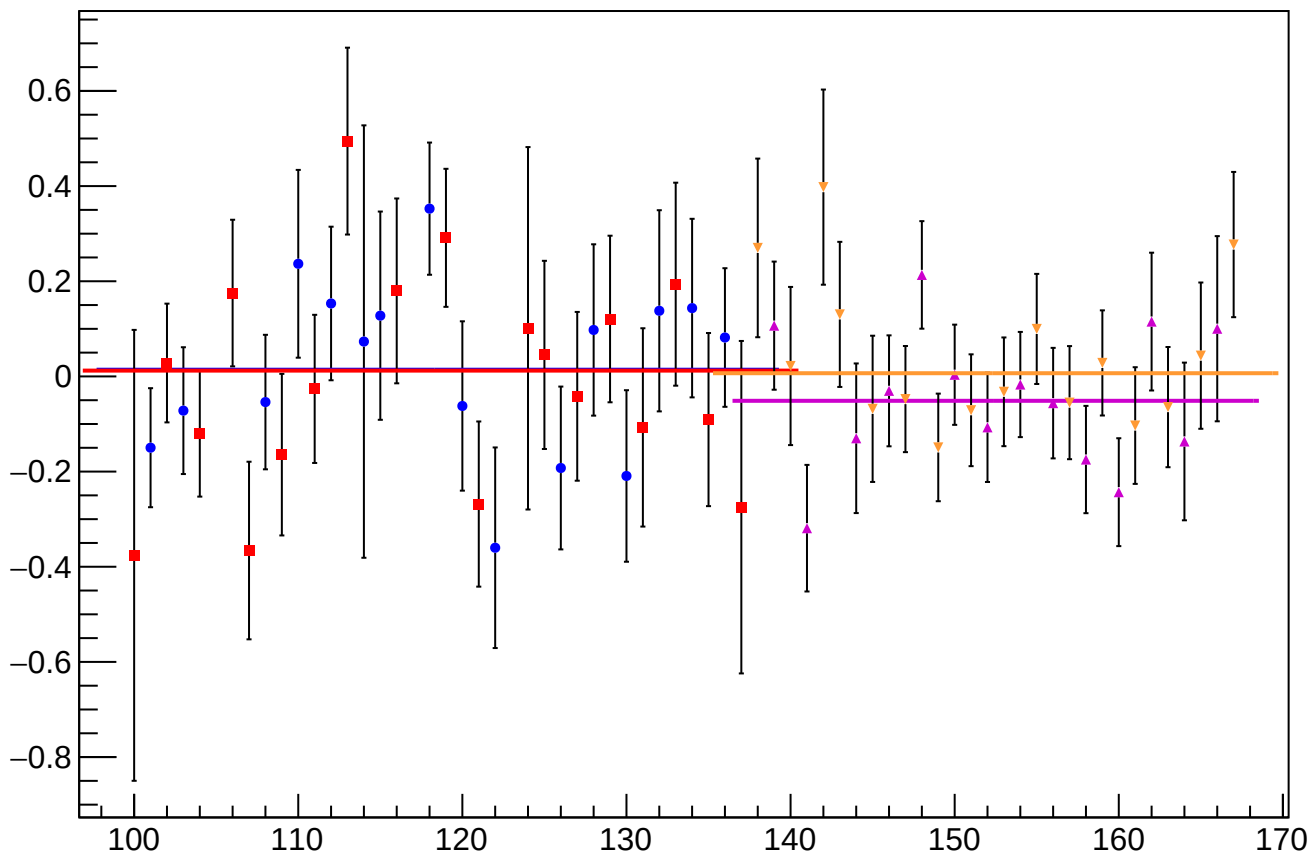
Left In: 80.368 $\pm$ 0.017 χ^2 /NDF: 437718.9/13

+ sign 80.400 $\pm$ 0.013 χ^2 /NDF: 1256045.5/31

All: 79.867 $\pm$ 0.009 χ^2 /NDF: 2102405.2/64

- sign 79.331 $\pm$ 0.013 χ^2 /NDF: 843145.9/32

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: 0.007 $\pm$ 0.033 χ^2/NDF :14.5/15

Right Out: 0.012 $\pm$ 0.041 χ^2/NDF : 23.8/18

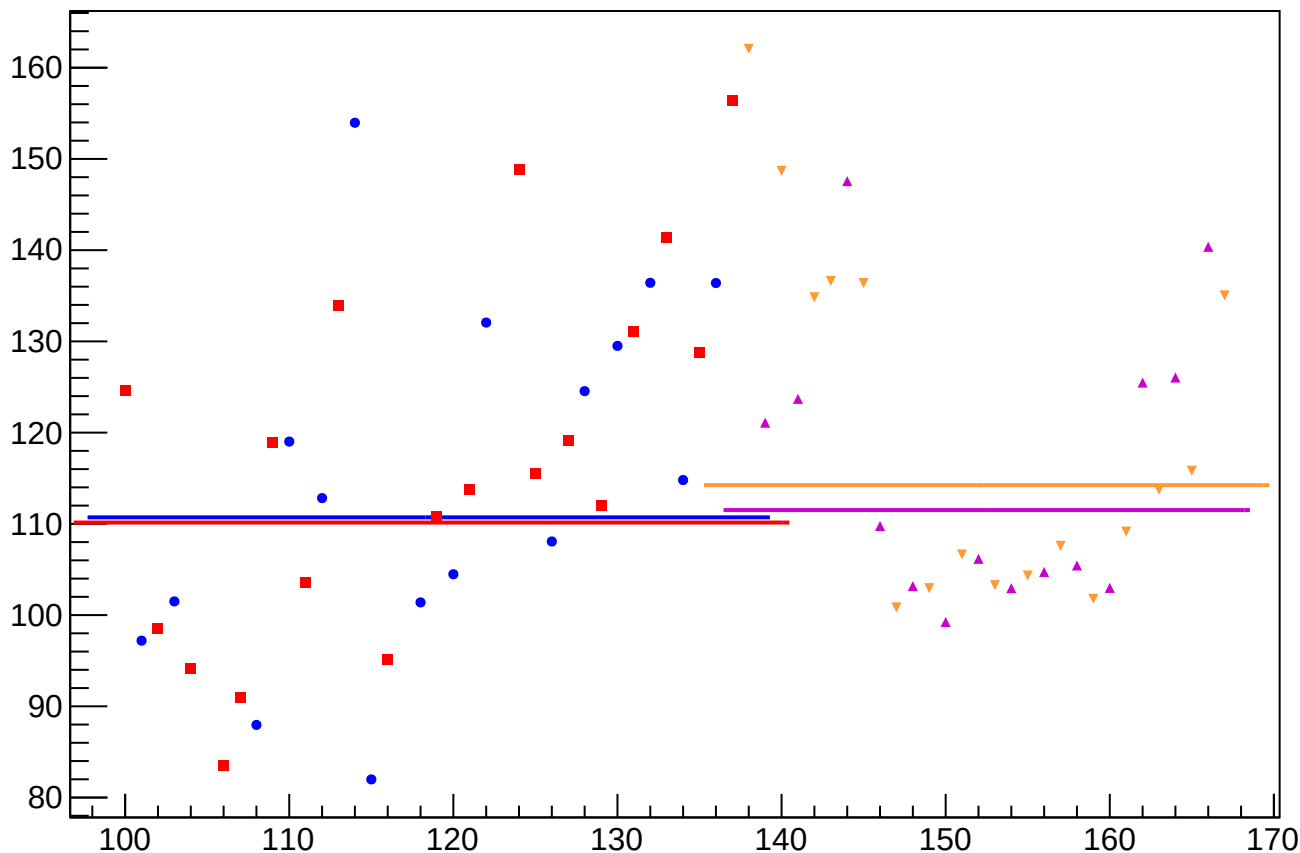
Left In: -0.051 $\pm$ 0.033 χ^2/NDF :18.1/13

+ sign 0.010 $\pm$ 0.026 χ^2/NDF : 32.7/31

All: -0.008 $\pm$ 0.018 χ^2/NDF : 76.8/64

- sign -0.026 $\pm$ 0.026 χ^2/NDF : 43.2/32

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: 114.242 $\pm$ 0.023 χ^2 /NDF: 483404.0/15

Right Out: 110.144 $\pm$ 0.029 χ^2 /NDF: 326696.7/18

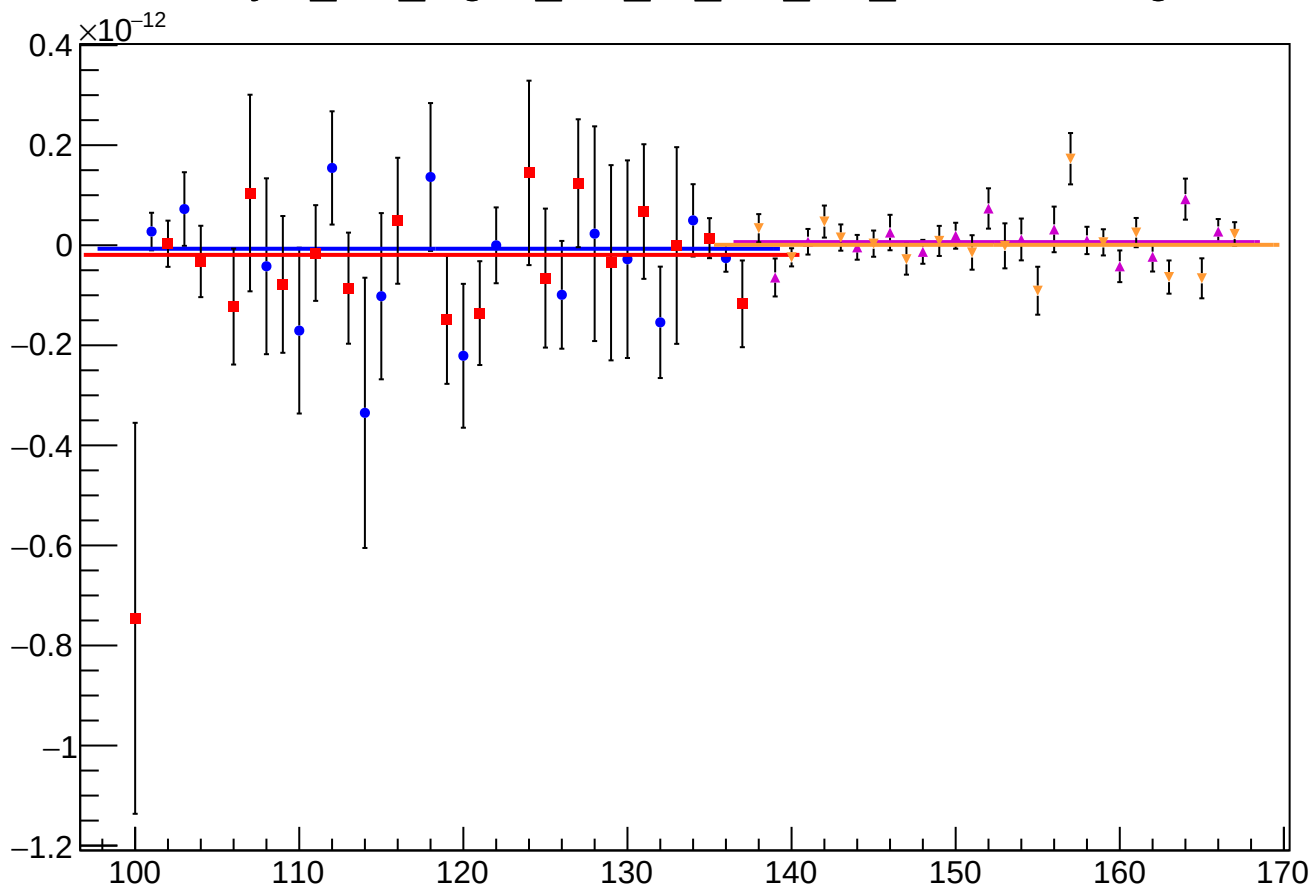
Left In: 111.510 $\pm$ 0.024 χ^2 /NDF: 288847.3/13

+ sign 112.910 $\pm$ 0.018 χ^2 /NDF: 792030.0/31

All: 111.941 $\pm$ 0.013 χ^2 /NDF: 1414477.5/64

- sign 110.969 $\pm$ 0.018 χ^2 /NDF: 616864.4/32

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:29.9/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/18

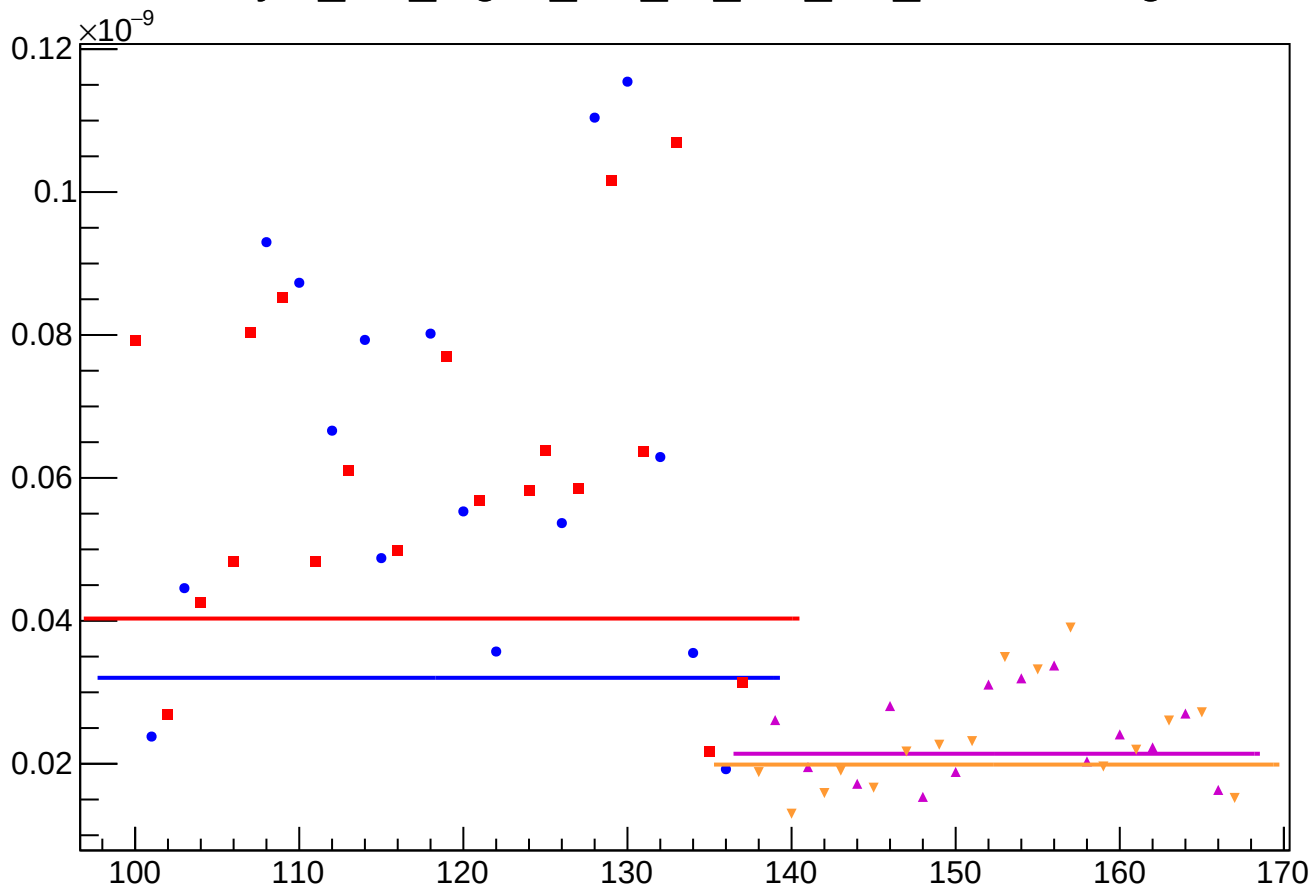
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.4/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.7/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 74.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.2/32

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 : 1278115.0/15

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

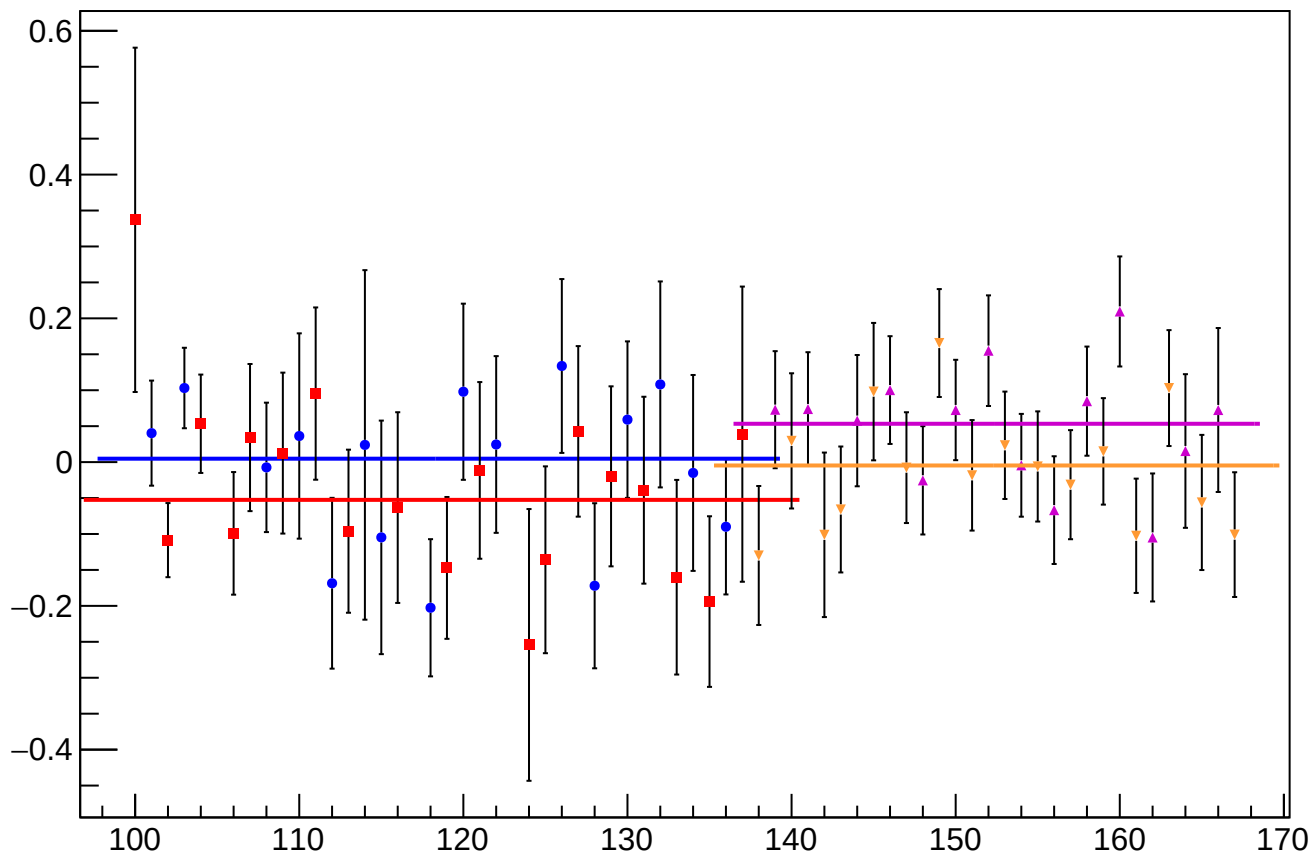
Left In: 0.000+/-0.000 χ^2/NDF : 846126.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 4523122.6/31

All: 0.000+/-0.000 χ^2/NDF : 8727076.6/64

- sign 0.000+/-0.000 χ^2/NDF : 4111466.6/32

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: -0.005 $\pm$ 0.021 χ^2 /NDF: 14.5/15

Right Out: -0.053 $\pm$ 0.024 χ^2 /NDF: 14.8/18

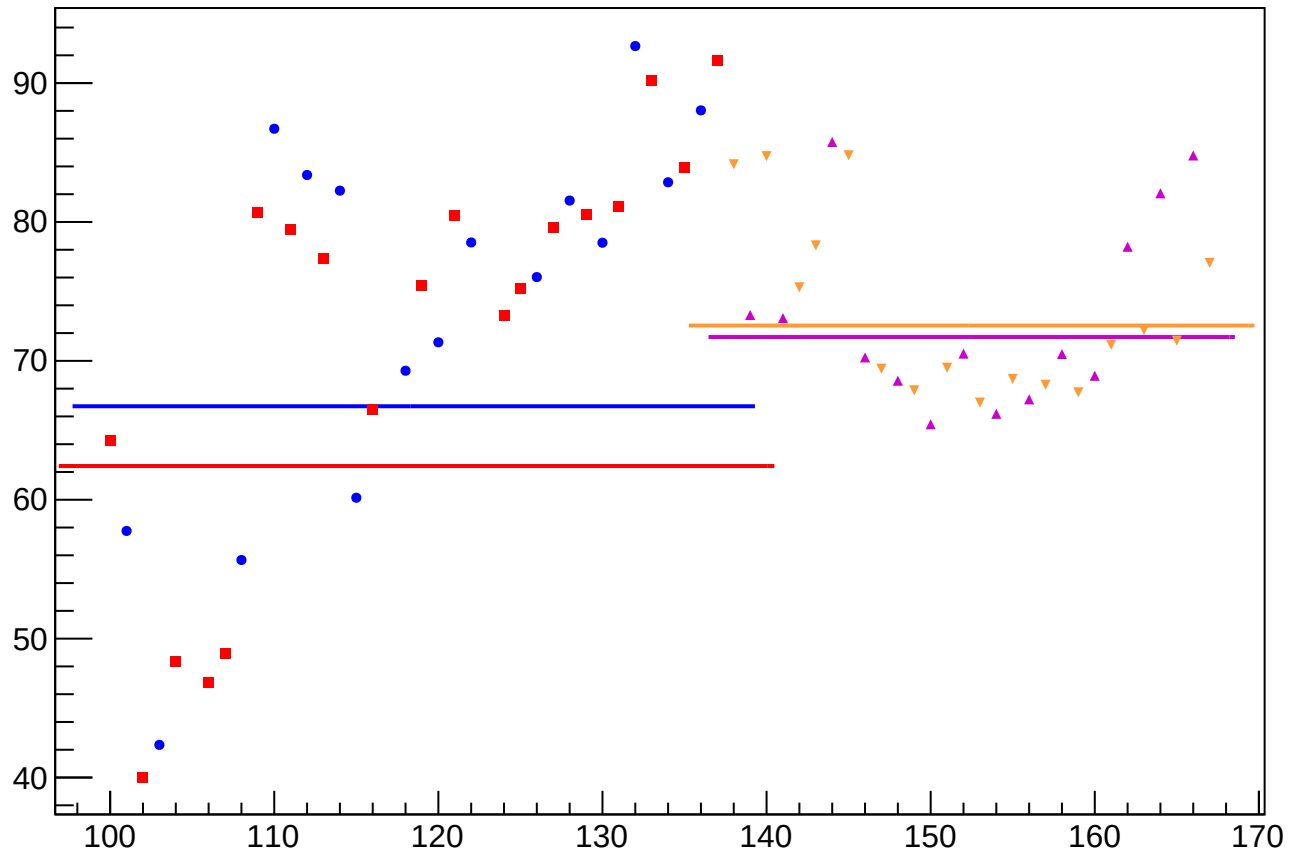
Left In: 0.053 $\pm$ 0.021 χ^2 /NDF: 14.3/13

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 31.2/31

All: 0.003 $\pm$ 0.011 χ^2 /NDF: 71.2/64

- sign 0.006 $\pm$ 0.016 χ^2 /NDF: 39.9/32

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF : 816752.6/15

Left Out: 72.543+/-0.015 χ^2/NDF :156392.8/15

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

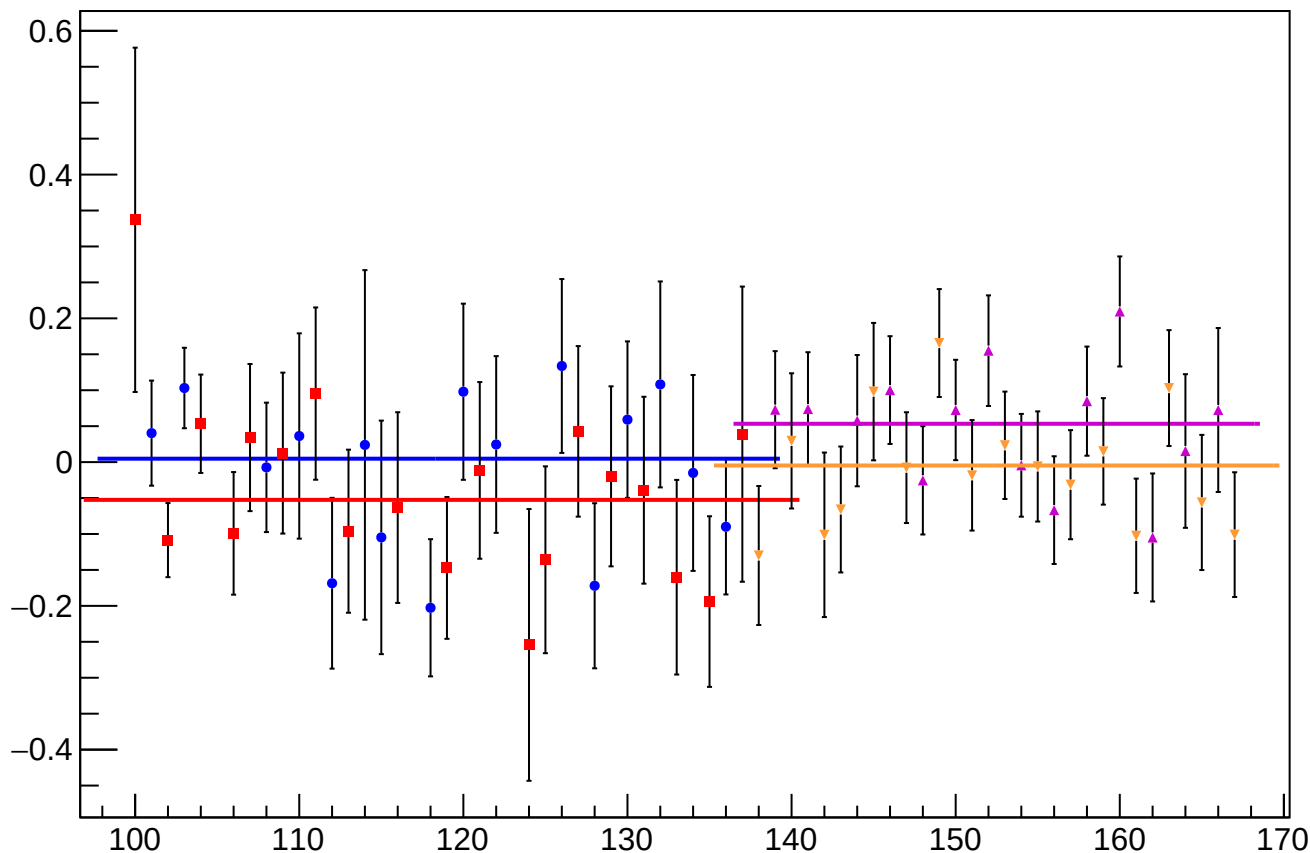
Left In: 71.716+/-0.015 χ^2/NDF :147537.5/13

+ sign 70.266+/-0.011 χ^2/NDF : 1034372.0/31

All: 68.919+/-0.008 χ^2/NDF : 2488892.1/64

- sign 67.602+/-0.011 χ^2/NDF : 1427212.7/32

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: -0.005+/-0.021 χ^2/NDF : 14.5/15

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

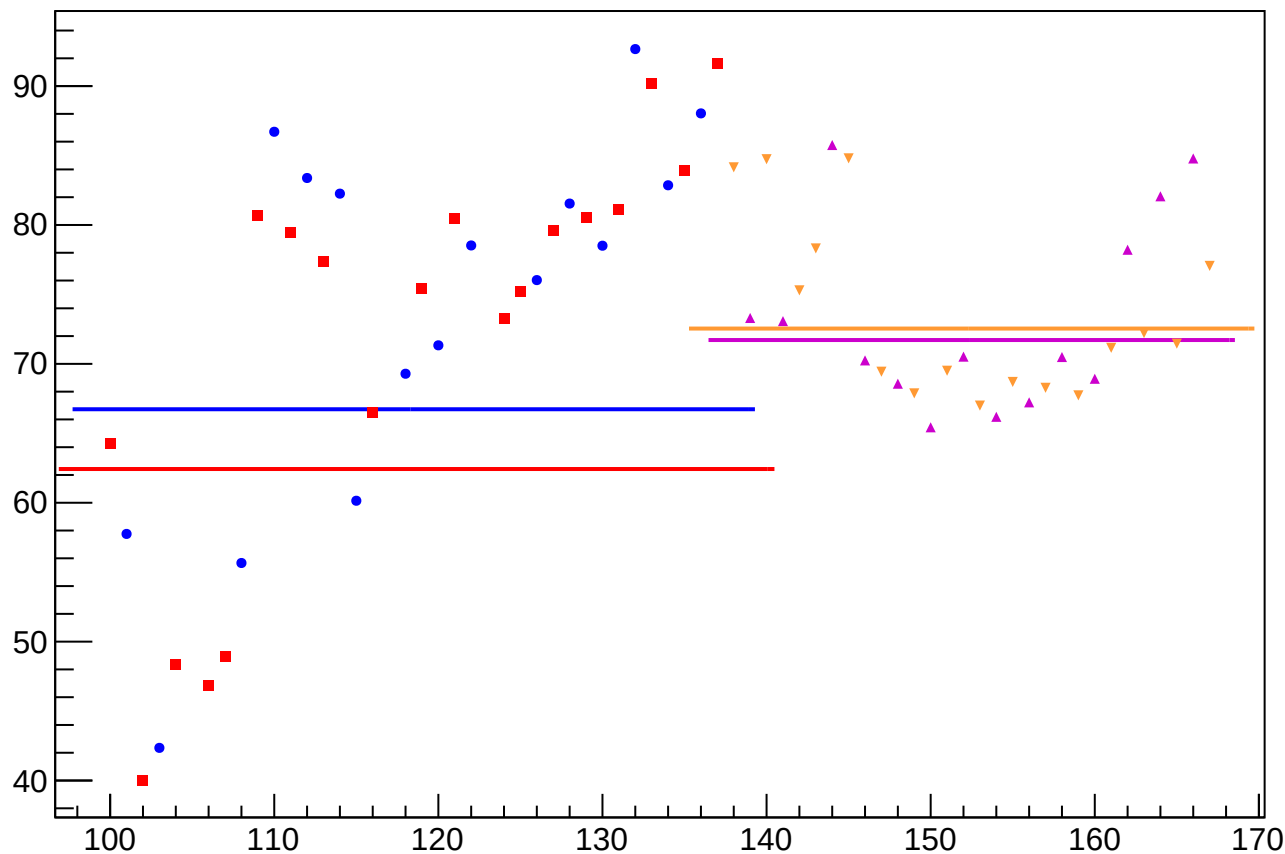
Left In: 0.053+/-0.021 χ^2/NDF : 14.3/13

+ sign -0.001+/-0.016 χ^2/NDF : 31.2/31

All: 0.003+/-0.011 χ^2/NDF : 71.2/64

- sign 0.006+/-0.016 χ^2/NDF : 39.9/32

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: 72.543 $\pm$ 0.015 χ^2 /NDF: 156392.8/15

Right Out: 62.429 $\pm$ 0.017 χ^2 /NDF: 1114078.0/18

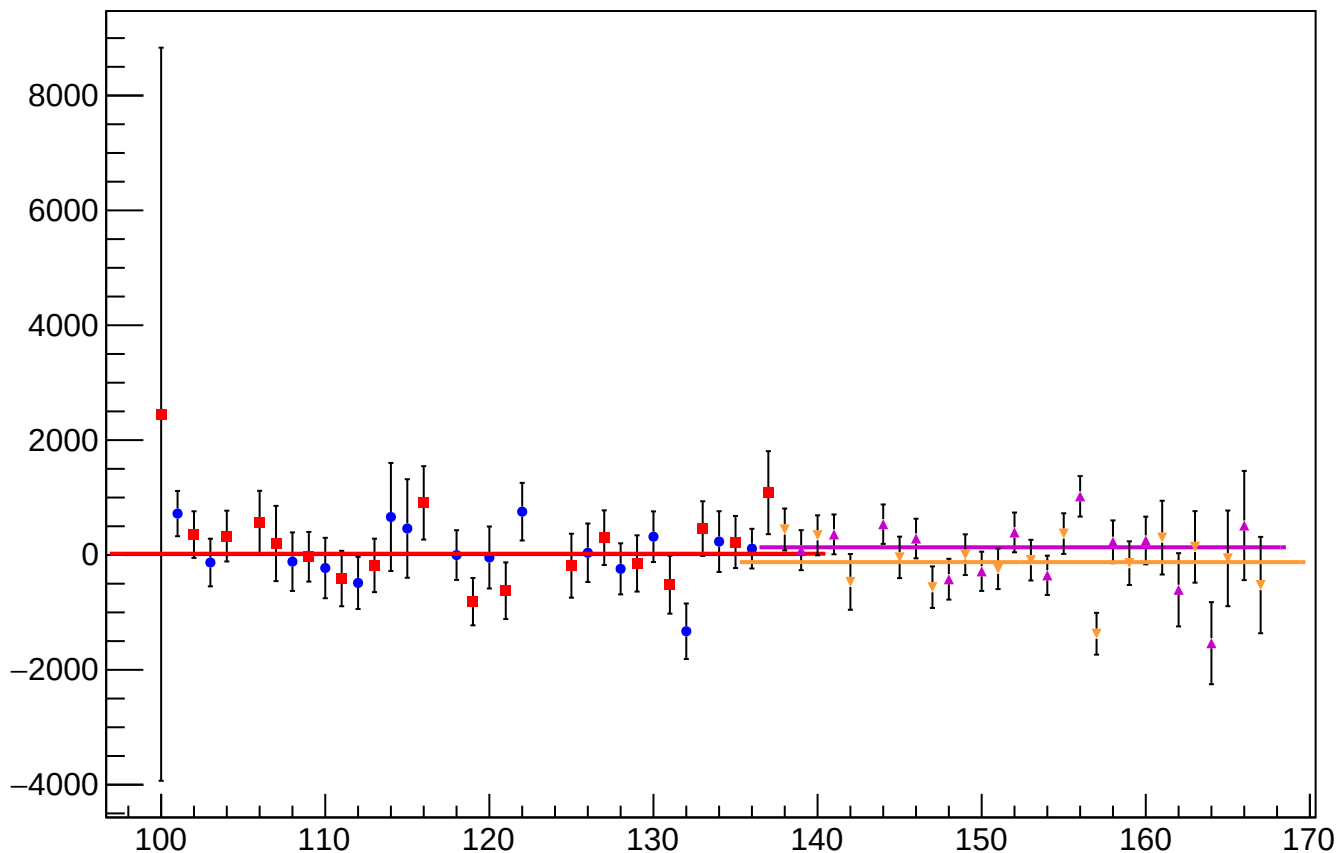
Left In: 71.716 $\pm$ 0.015 χ^2 /NDF: 147537.5/13

+ sign 70.266 $\pm$ 0.011 χ^2 /NDF: 1034372.0/31

All: 68.919 $\pm$ 0.008 χ^2 /NDF: 2488892.1/64

- sign 67.602 $\pm$ 0.011 χ^2 /NDF: 1427212.7/32

asym_dsl_mean vs Slug



Right In: 15.517 ± 119.431 χ^2/NDF : 16.5/15

Left Out: -124.491 ± 105.632 χ^2/NDF : 21.1/14

Right Out: 22.145 ± 119.211 χ^2/NDF : 16.0/17

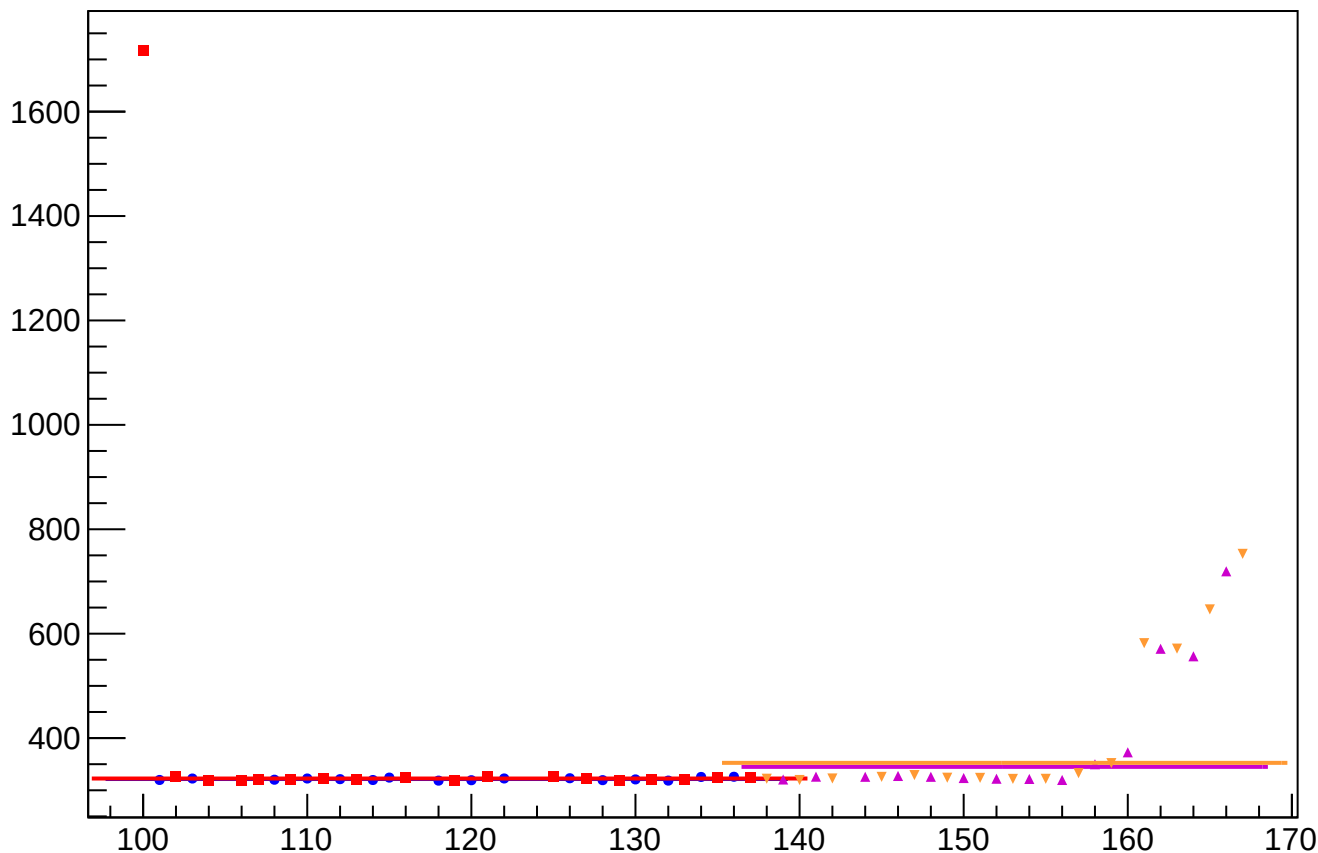
Left In: 133.943 ± 103.488 χ^2/NDF : 22.0/13

+ sign -63.039 ± 79.124 χ^2/NDF : 38.4/30

All: 12.353 ± 55.601 χ^2/NDF : 78.6/62

- sign 85.898 ± 78.149 χ^2/NDF : 38.5/31

asym_dsl_rms vs Slug



Right In: 321.604 $\pm$ 0.084 χ^2 /NDF: 822.9/15

Left Out: 352.558 $\pm$ 0.075 χ^2 /NDF:1326760.3/14

Right Out: 322.553 $\pm$ 0.084 χ^2 /NDF: 96891.9/17

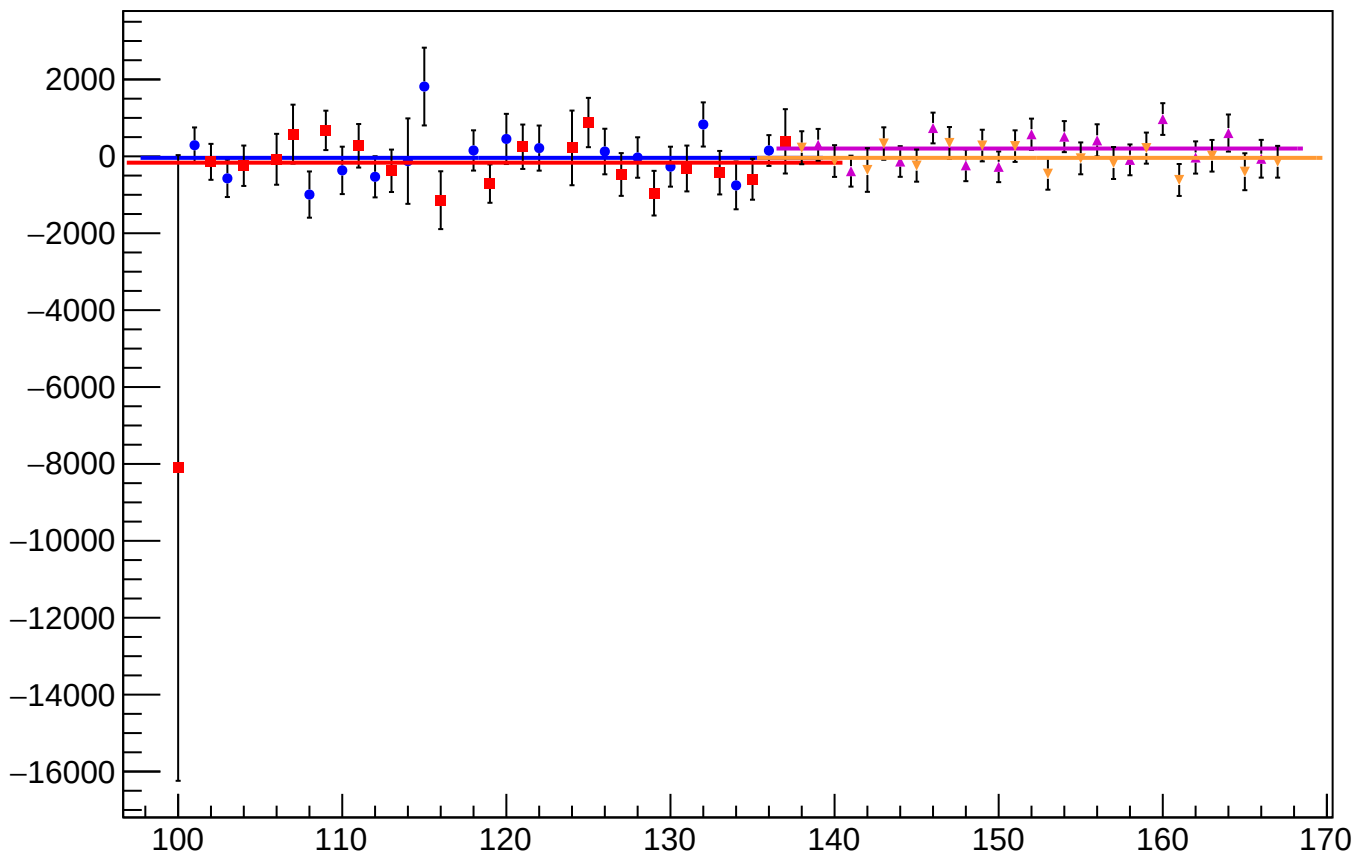
Left In: 344.875 $\pm$ 0.073 χ^2 /NDF:815419.2/13

+ sign 338.972 $\pm$ 0.056 χ^2 /NDF: 1402961.5/30

All: 337.104 $\pm$ 0.039 χ^2 /NDF: 2357461.7/62

- sign 335.282 $\pm$ 0.055 χ^2 /NDF: 952298.8/31

asym_dsr_mean vs Slug



Right In: -38.914 ± 140.720 χ^2/NDF : 13.7/15

Left Out: -39.441 ± 106.118 χ^2/NDF : 7.8/15

Right Out: -164.639 ± 138.962 χ^2/NDF : 15.1/18

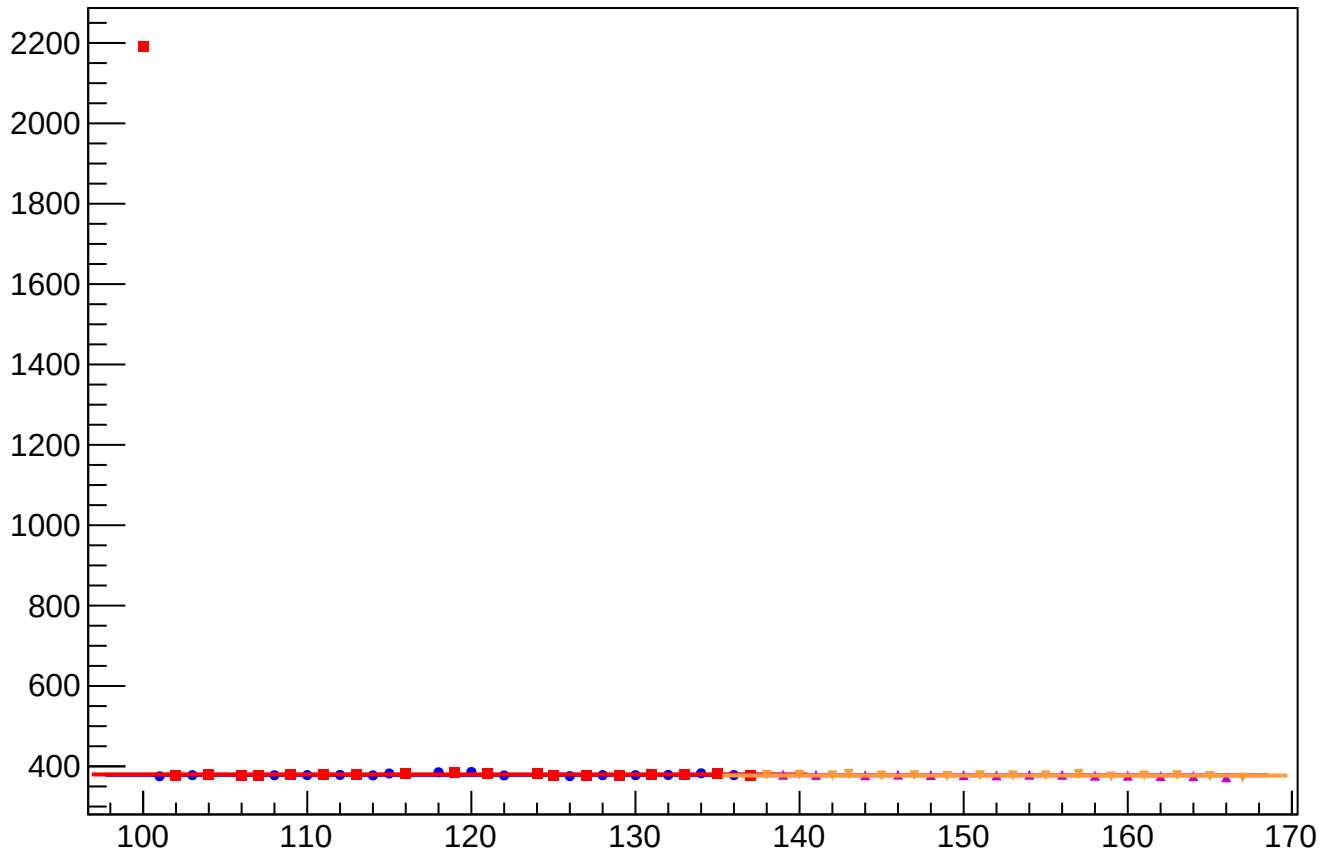
Left In: 203.165 ± 111.179 χ^2/NDF : 14.2/13

+ sign -39.250 ± 84.727 χ^2/NDF : 21.5/31

All: 8.981 ± 60.635 χ^2/NDF : 55.8/64

- sign 59.617 ± 86.814 χ^2/NDF : 33.6/32

asym_dsr_rms vs Slug



Right In: 378.910 $\pm$ 0.100 χ^2 /NDF: 851.2/15

Left Out: 377.260 $\pm$ 0.075 χ^2 /NDF: 856.4/15

Right Out: 379.878 $\pm$ 0.098 χ^2 /NDF: 99621.5/18

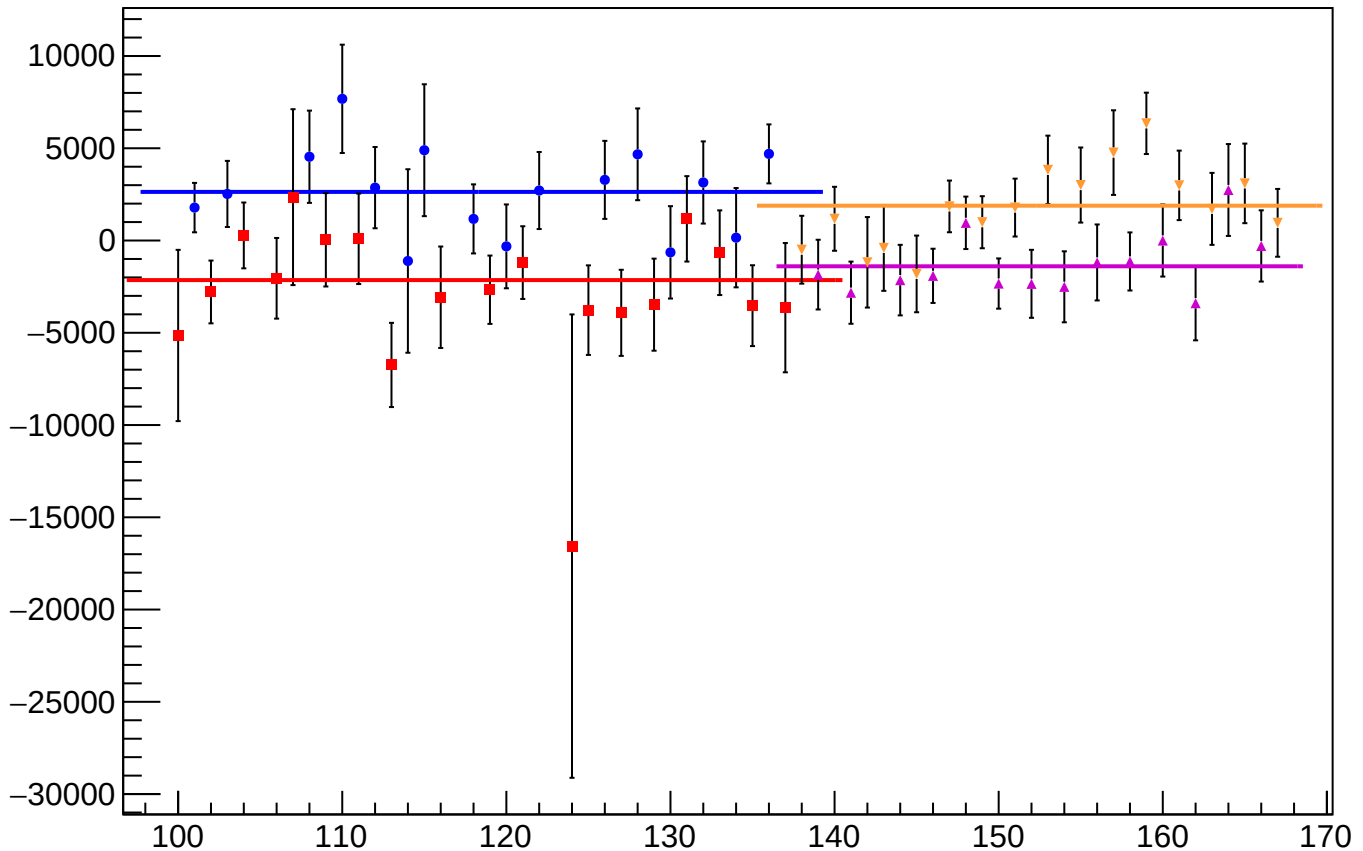
Left In: 377.790 $\pm$ 0.079 χ^2 /NDF: 446.8/13

+ sign 377.858 $\pm$ 0.060 χ^2 /NDF: 1882.9/31

All: 378.222 $\pm$ 0.043 χ^2 /NDF: 102302.3/64

- sign 378.605 $\pm$ 0.061 χ^2 /NDF: 100343.6/32

asym_us_agg_avg_mean vs Slug



Right In: 2635.397 $\pm$ 538.034 χ^2 /NDF: 12.3/15

Left Out: 1887.686 $\pm$ 457.848 χ^2 /NDF: 19.0/15

Right Out: -2144.569 $\pm$ 546.963 χ^2 /NDF: 15.0/18

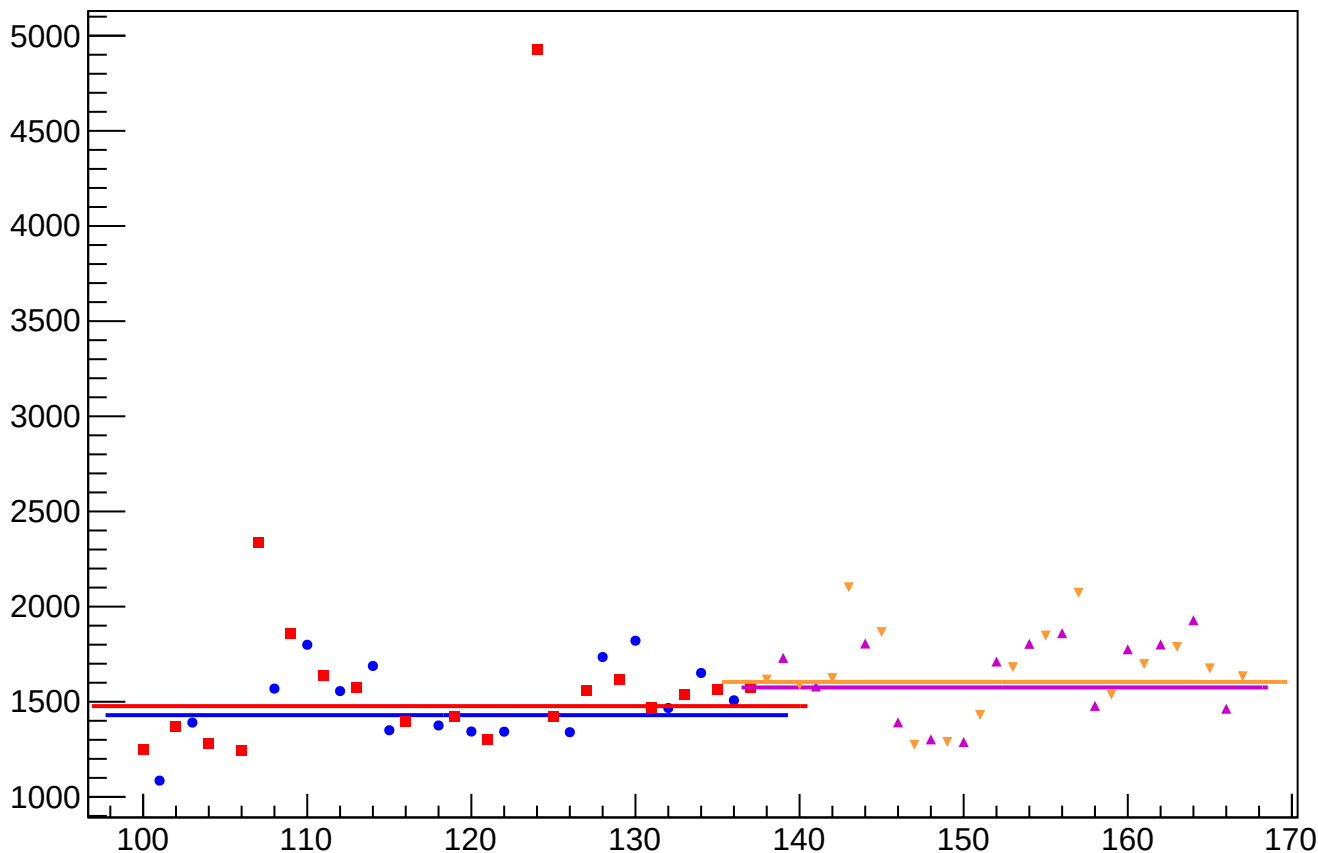
Left In: -1397.277 $\pm$ 469.002 χ^2 /NDF: 9.5/13

+ sign 2201.725 $\pm$ 348.686 χ^2 /NDF: 32.4/31

All: 284.738 $\pm$ 249.116 χ^2 /NDF: 119.8/64

- sign -1713.915 $\pm$ 356.036 χ^2 /NDF: 25.6/32

asym_us_agg_avg_rms vs Slug



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

Left Out: 1604.254+/-0.324 χ^2/NDF : 503477.7/15

Right Out: 1477.126+/-0.387 χ^2/NDF : 369430.6/18

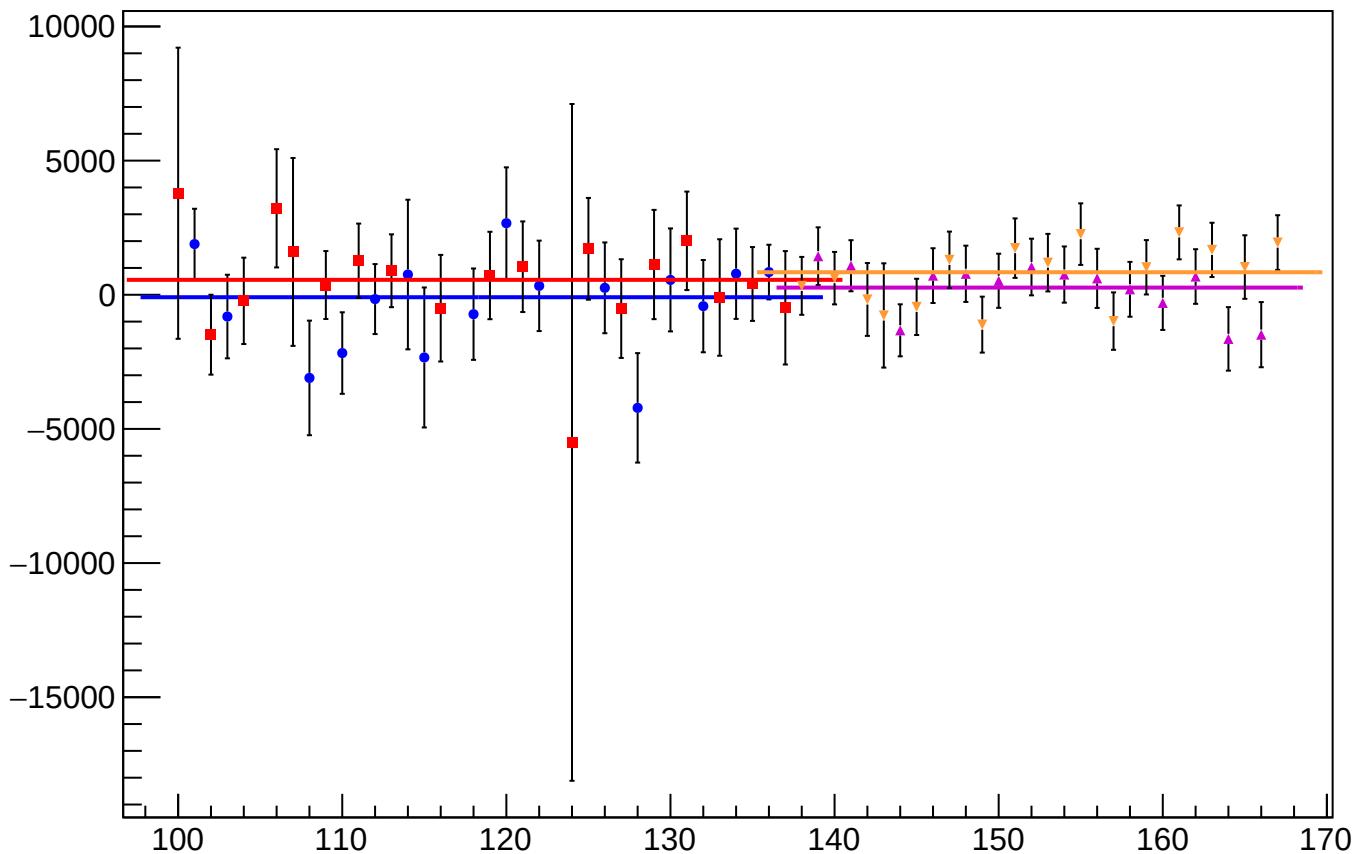
Left In: 1575.207+/-0.332 χ^2/NDF : 414411.2/13

+ sign 1530.922+/-0.247 χ^2/NDF : 919026.0/31

All: 1532.257+/-0.176 χ^2/NDF : 1739989.1/64

- sign 1533.649+/-0.252 χ^2/NDF : 820903.2/32

asym_us_agg_dd_mean vs Slug



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

Left Out: 839.773 ± 273.418 χ^2/NDF : 16.0/15

Right Out: 556.840 ± 411.346 χ^2/NDF : 6.8/18

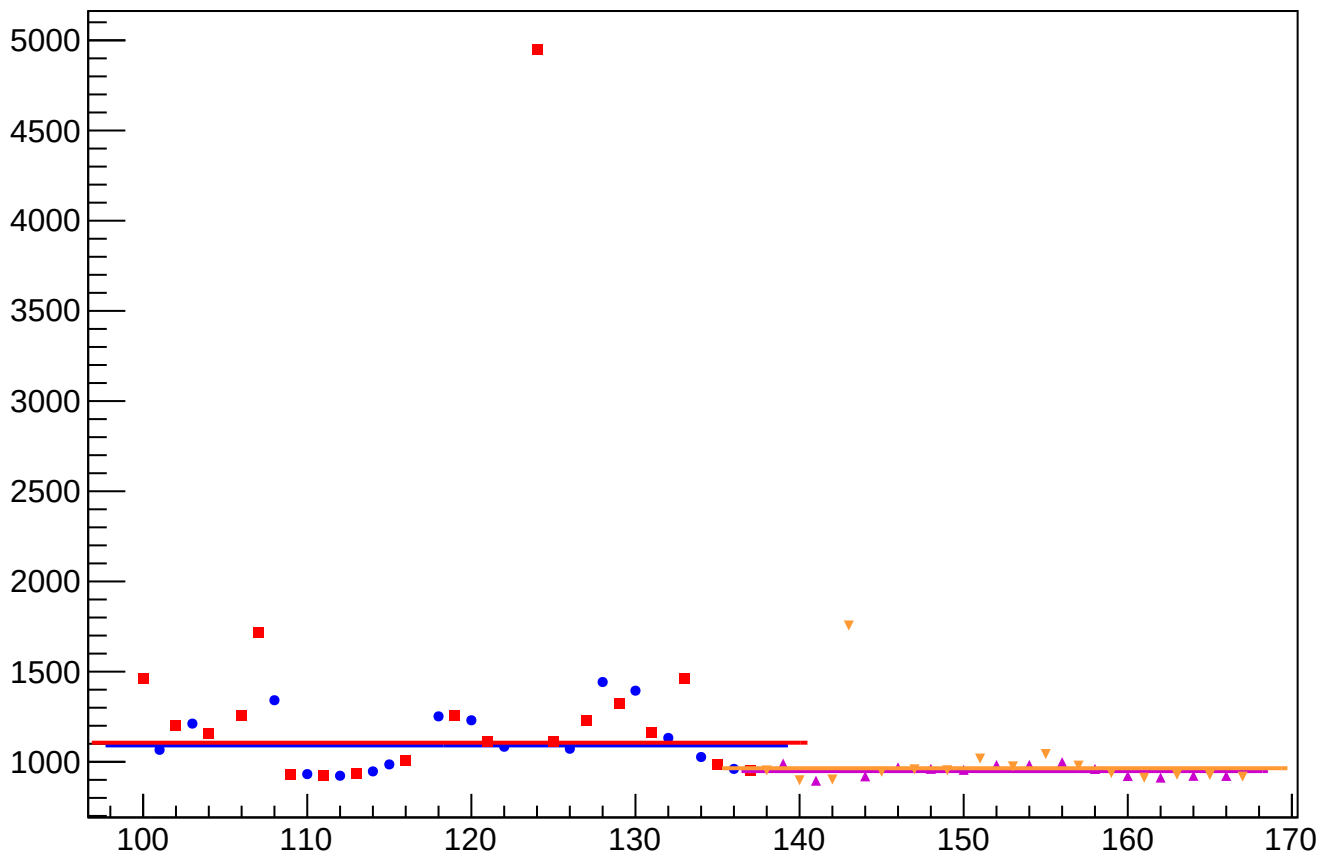
Left In: 267.351 ± 279.400 χ^2/NDF : 11.1/13

+ sign 553.124 ± 227.468 χ^2/NDF : 34.1/31

All: 457.484 ± 162.122 χ^2/NDF : 52.7/64

- sign 358.744 ± 231.125 χ^2/NDF : 18.2/32

asym_us_agg_dd_rms vs Slug



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

Left Out: 964.480+/-0.193 χ^2/NDF : 376444.3/15

Right Out: 1106.046+/-0.291 χ^2/NDF : 514097.9/18

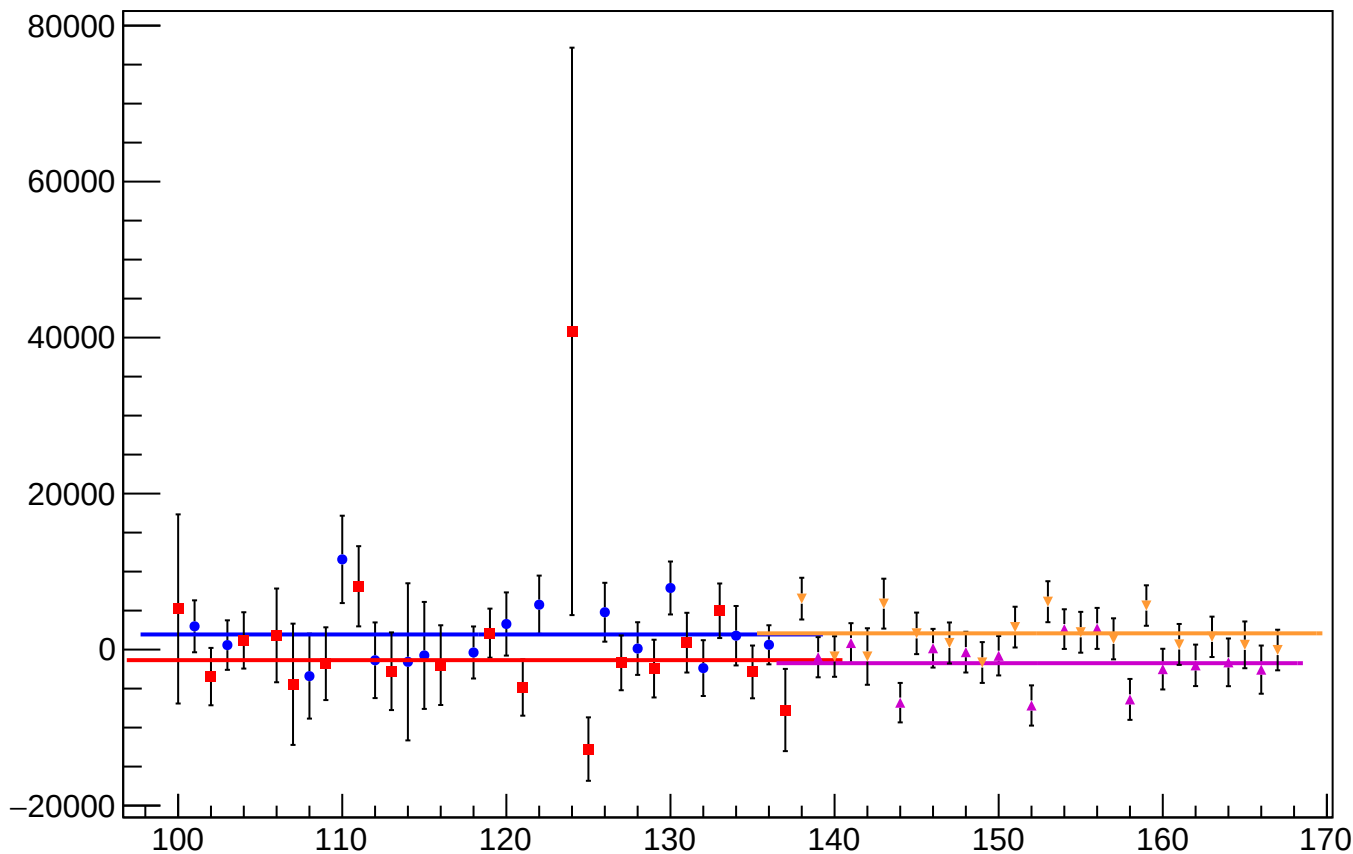
Left In: 948.702+/-0.198 χ^2/NDF : 26646.0/13

+ sign 1003.444+/-0.161 χ^2/NDF : 785678.2/31

All: 1000.951+/-0.115 χ^2/NDF : 1527153.8/64

- sign 998.377+/-0.163 χ^2/NDF : 740987.2/32

reg_asym_atl1_mean vs Slug



Right In: 1939.656 ± 952.537 χ^2/NDF : 12.2/15

Left Out: 2082.903 ± 677.812 χ^2/NDF : 14.1/15

Right Out: -1353.428 ± 985.119 χ^2/NDF : 21.8/18

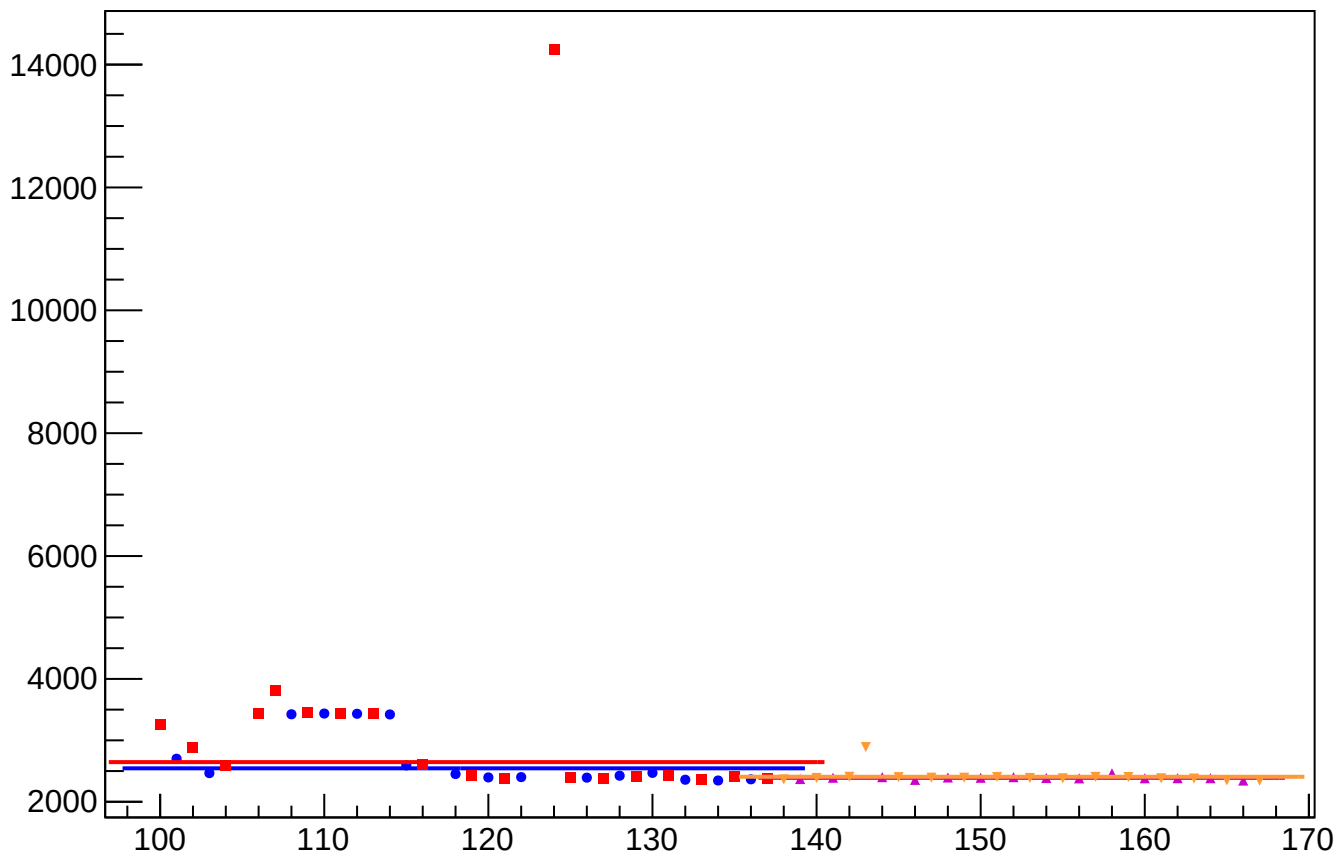
Left In: -1743.833 ± 703.084 χ^2/NDF : 19.7/13

+ sign 2034.751 ± 552.262 χ^2/NDF : 26.4/31

All: 276.231 ± 397.397 χ^2/NDF : 89.0/64

- sign -1612.081 ± 572.280 χ^2/NDF : 41.6/32

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF : 49150.2/15

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

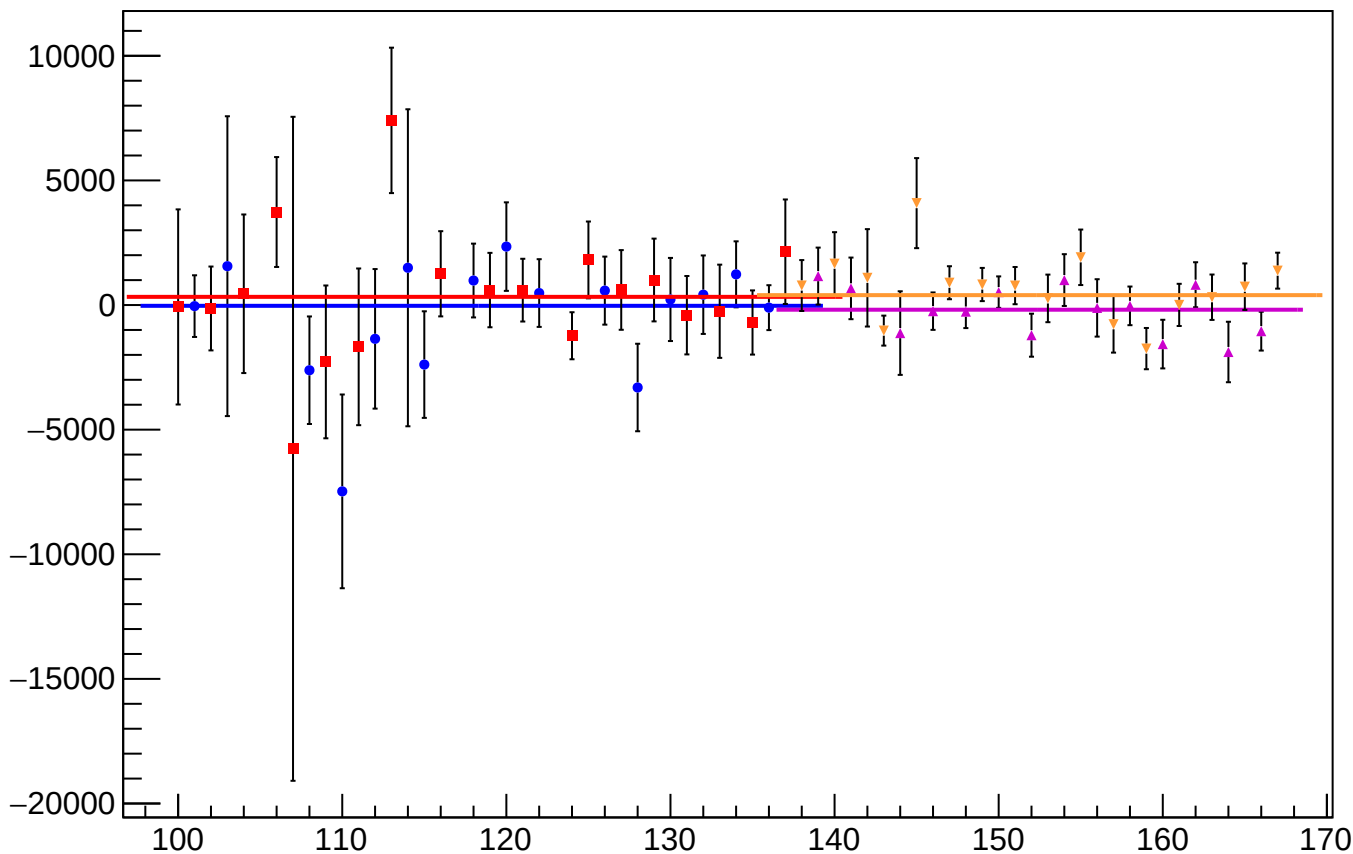
Left In: 2389.114+/-0.497 χ^2/NDF : 2614.2/13

+ sign 2453.478+/-0.391 χ^2/NDF : 302222.9/31

All: 2464.187+/-0.281 χ^2/NDF : 933216.7/64

- sign 2475.687+/-0.405 χ^2/NDF : 629434.2/32

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191 ± 405.726 χ^2/NDF : 13.8/15

Left Out: 397.085 ± 217.955 χ^2/NDF : 24.1/15

Right Out: 328.475 ± 398.568 χ^2/NDF : 15.6/18

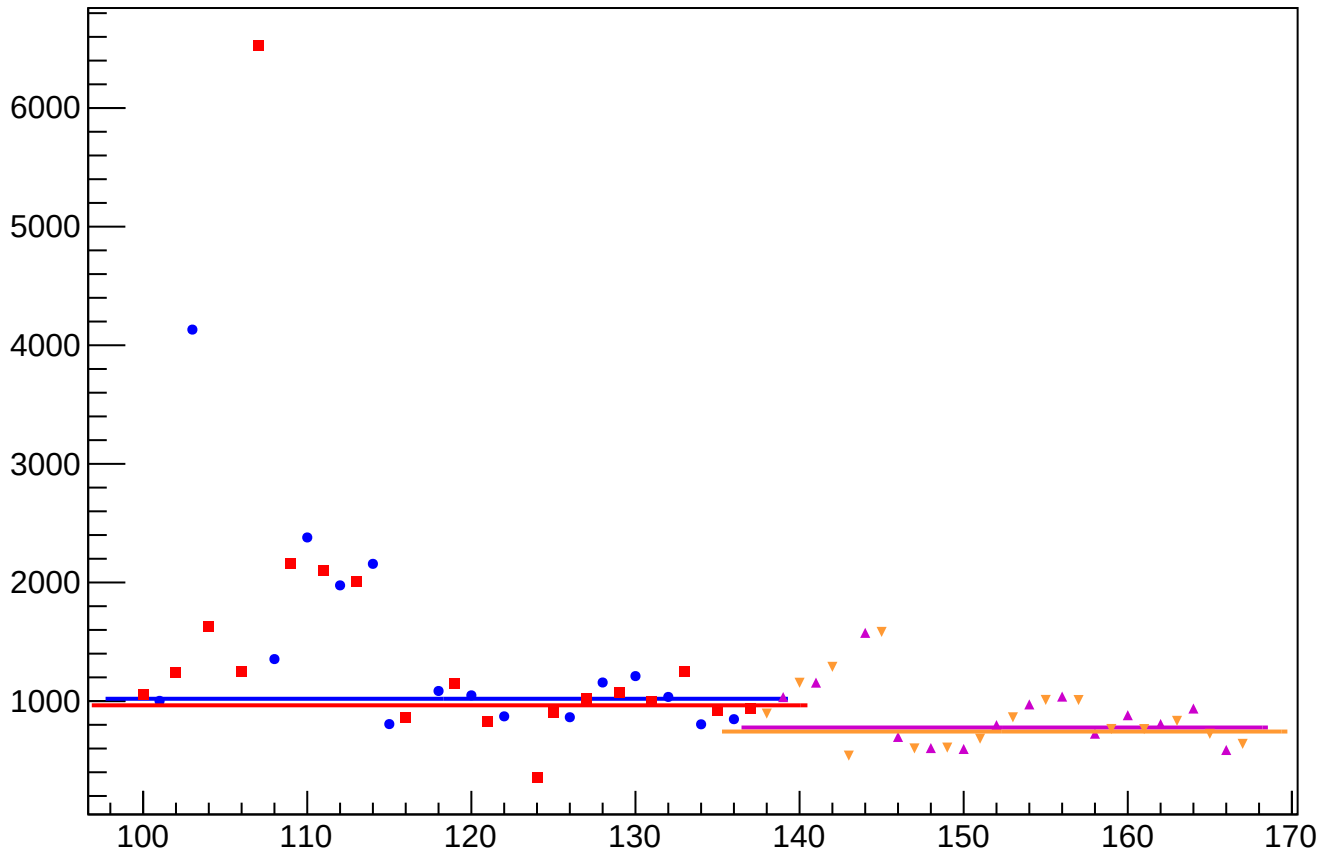
Left In: -187.575 ± 238.095 χ^2/NDF : 12.6/13

+ sign 301.171 ± 192.004 χ^2/NDF : 38.8/31

All: 135.689 ± 139.945 χ^2/NDF : 69.8/64

- sign -51.852 ± 204.401 χ^2/NDF : 29.5/32

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF : 1364745.9/15

Left Out: 743.272+/-0.154 χ^2/NDF :1579075.9/15

Right Out: 964.379+/-0.282 χ^2/NDF : 2309359.3/18

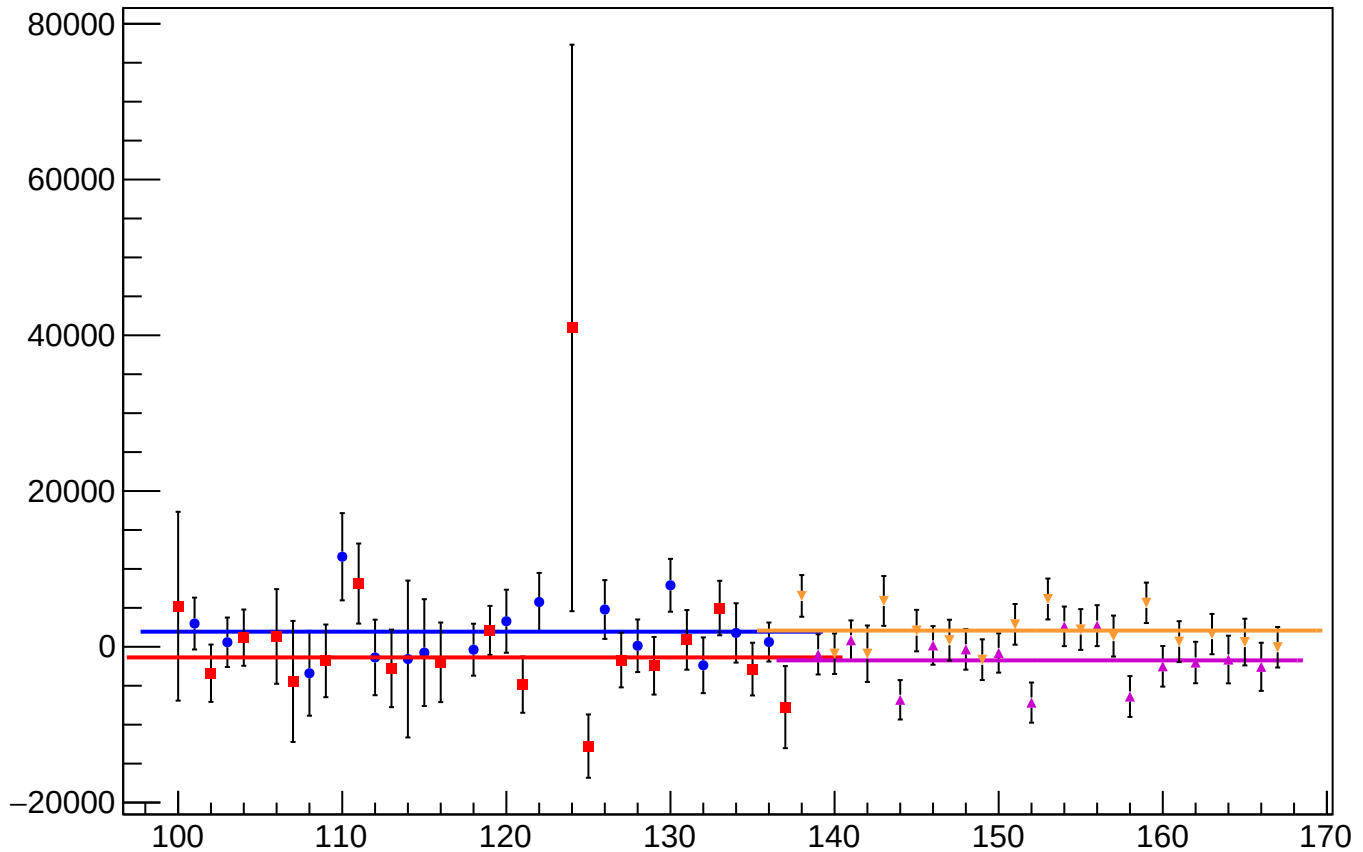
Left In: 777.163+/-0.168 χ^2/NDF :1425585.0/13

+ sign 805.139+/-0.136 χ^2/NDF : 3663367.7/31

All: 815.106+/-0.099 χ^2/NDF : 7735027.4/64

- sign 826.402+/-0.145 χ^2/NDF : 4060162.8/32

cor_asym_atl1_mean vs Slug



Right In: 1940.005 ± 952.537 χ^2/NDF : 12.2/15

Left Out: 2082.861 ± 677.812 χ^2/NDF : 14.1/15

Right Out: -1363.089 ± 985.420 χ^2/NDF : 21.7/18

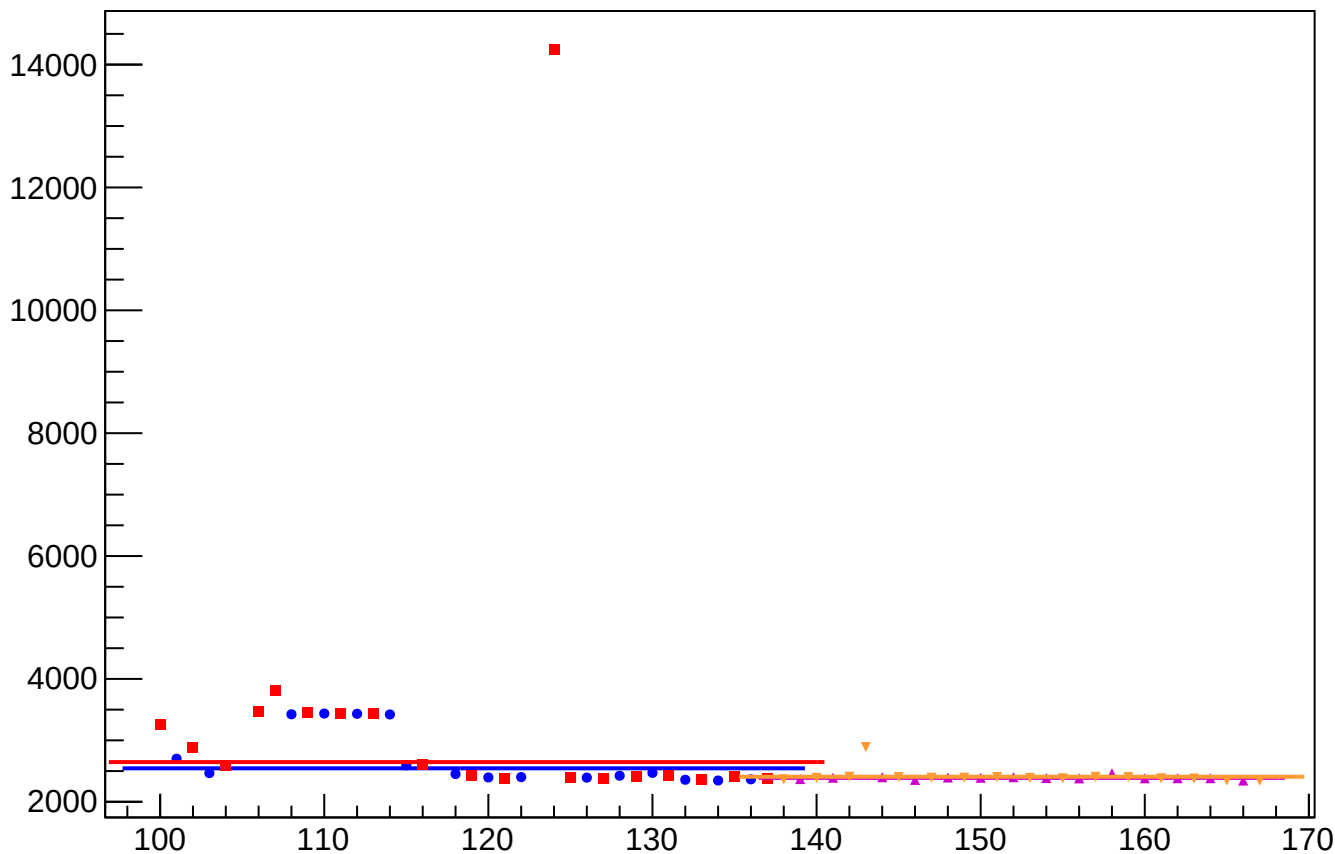
Left In: -1743.945 ± 703.084 χ^2/NDF : 19.7/13

+ sign 2034.841 ± 552.262 χ^2/NDF : 26.4/31

All: 274.832 ± 397.417 χ^2/NDF : 88.9/64

- sign -1615.468 ± 572.339 χ^2/NDF : 41.5/32

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF : 49150.2/15

Right Out: 2646.203+/-0.697 χ^2/NDF : 539546.8/18

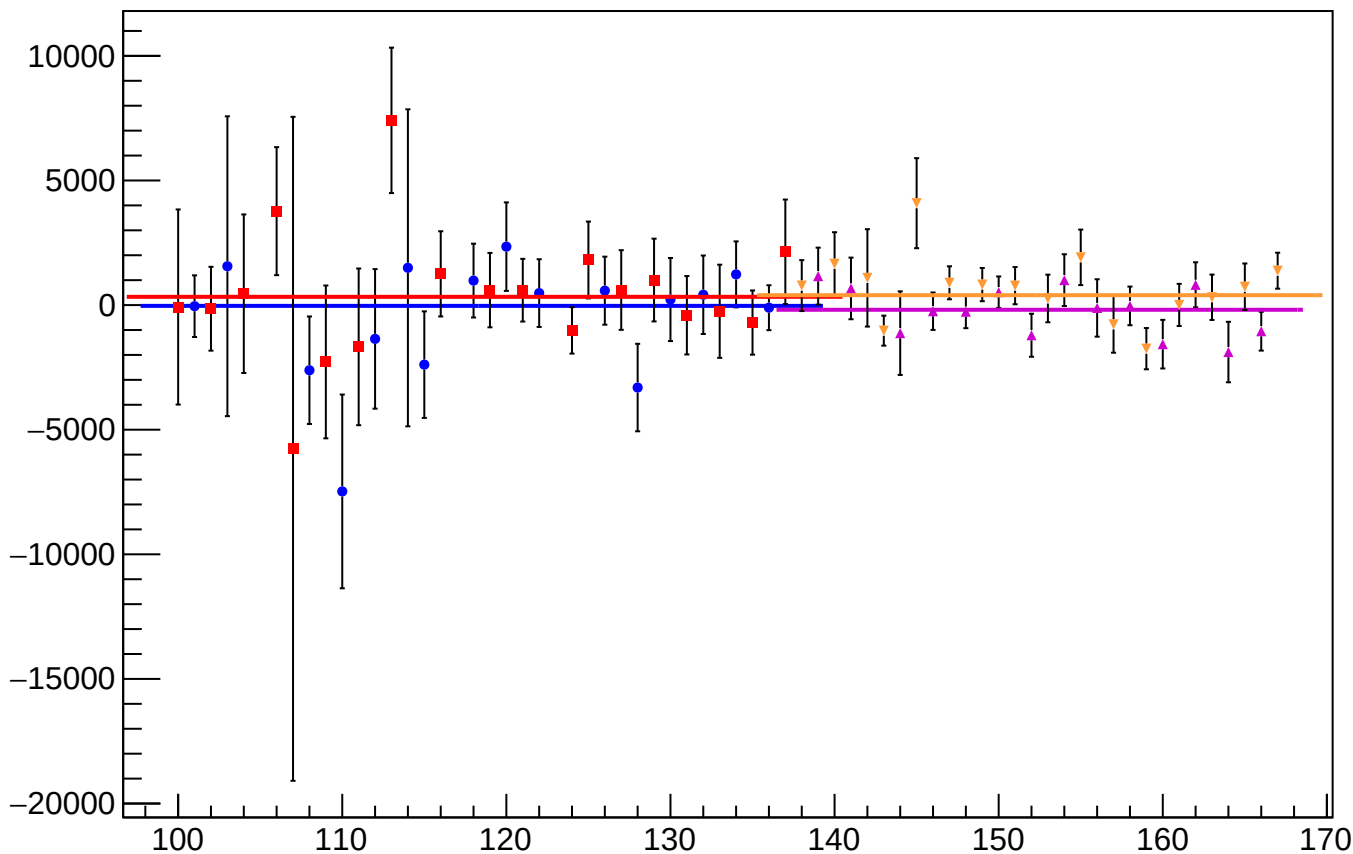
Left In: 2389.114+/-0.497 χ^2/NDF : 2614.2/13

+ sign 2453.478+/-0.391 χ^2/NDF : 302222.9/31

All: 2464.260+/-0.281 χ^2/NDF : 936173.2/64

- sign 2475.840+/-0.405 χ^2/NDF : 632369.4/32

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 397.075 ± 217.957 $\chi^2/\text{NDF}: 24.1/15$

Right Out: 331.962 ± 399.334 $\chi^2/\text{NDF}: 14.4/18$

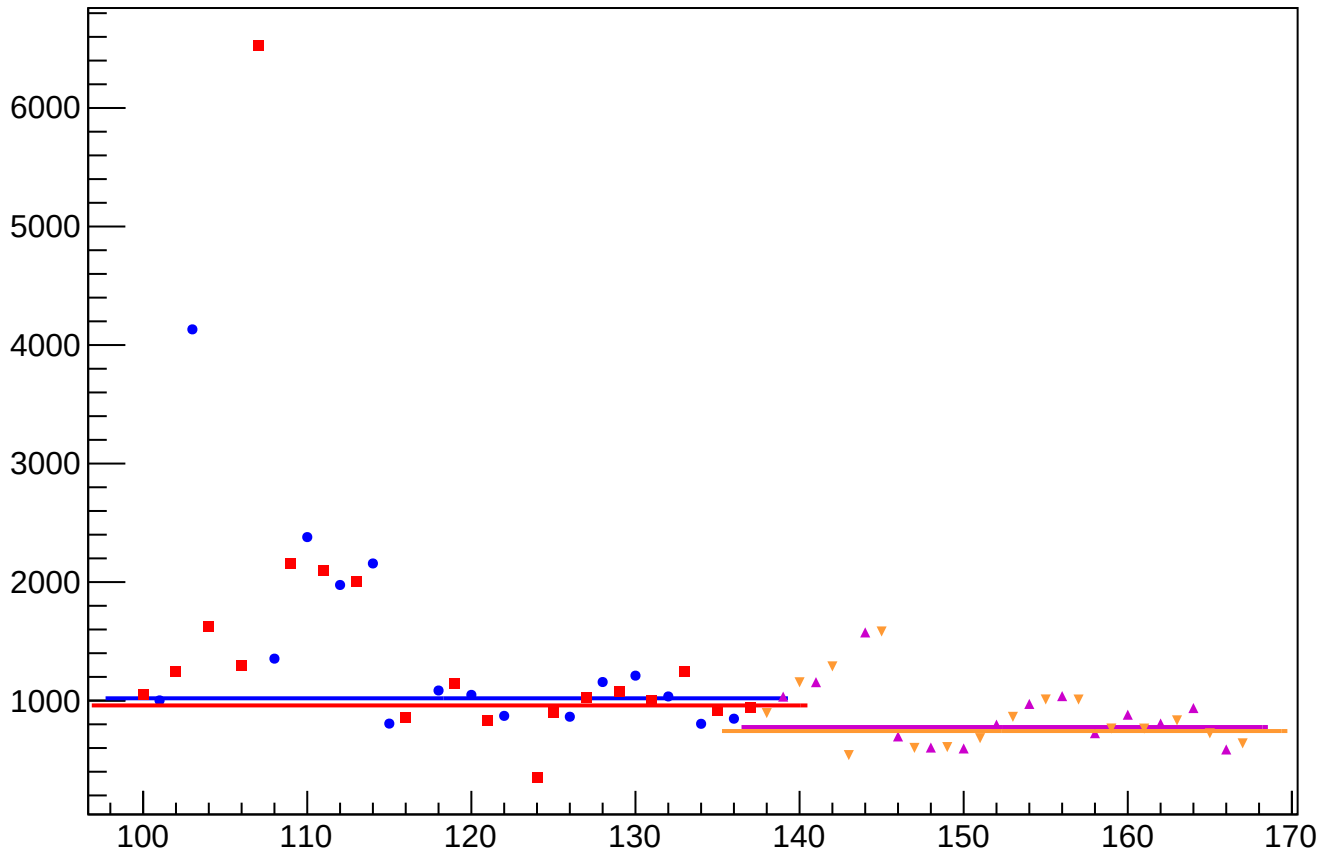
Left In: -187.651 ± 238.095 $\chi^2/\text{NDF}: 12.6/13$

+ sign 301.147 ± 192.006 $\chi^2/\text{NDF}: 38.8/31$

All: 135.986 ± 139.979 $\chi^2/\text{NDF}: 68.6/64$

- sign -51.378 ± 204.504 $\chi^2/\text{NDF}: 28.3/32$

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF : 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF :1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF : 2344434.8/18

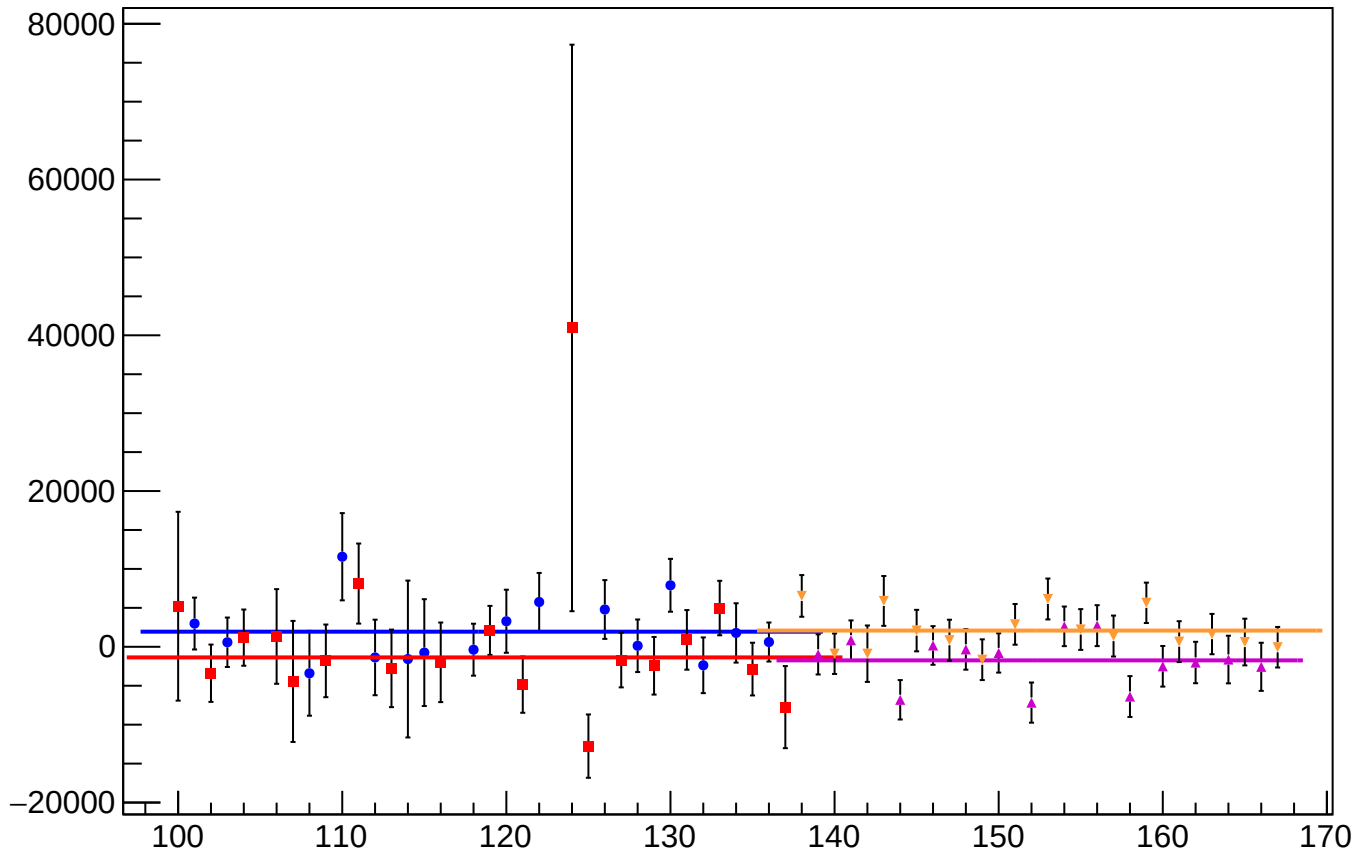
Left In: 777.160+/-0.168 χ^2/NDF :1425746.0/13

+ sign 805.146+/-0.136 χ^2/NDF : 3663286.7/31

All: 814.419+/-0.099 χ^2/NDF : 7750527.5/64

- sign 824.939+/-0.145 χ^2/NDF : 4077282.9/32

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005 ± 952.537 χ^2/NDF : 12.2/15

Left Out: 2082.861 ± 677.812 χ^2/NDF : 14.1/15

Right Out: -1363.089 ± 985.420 χ^2/NDF : 21.7/18

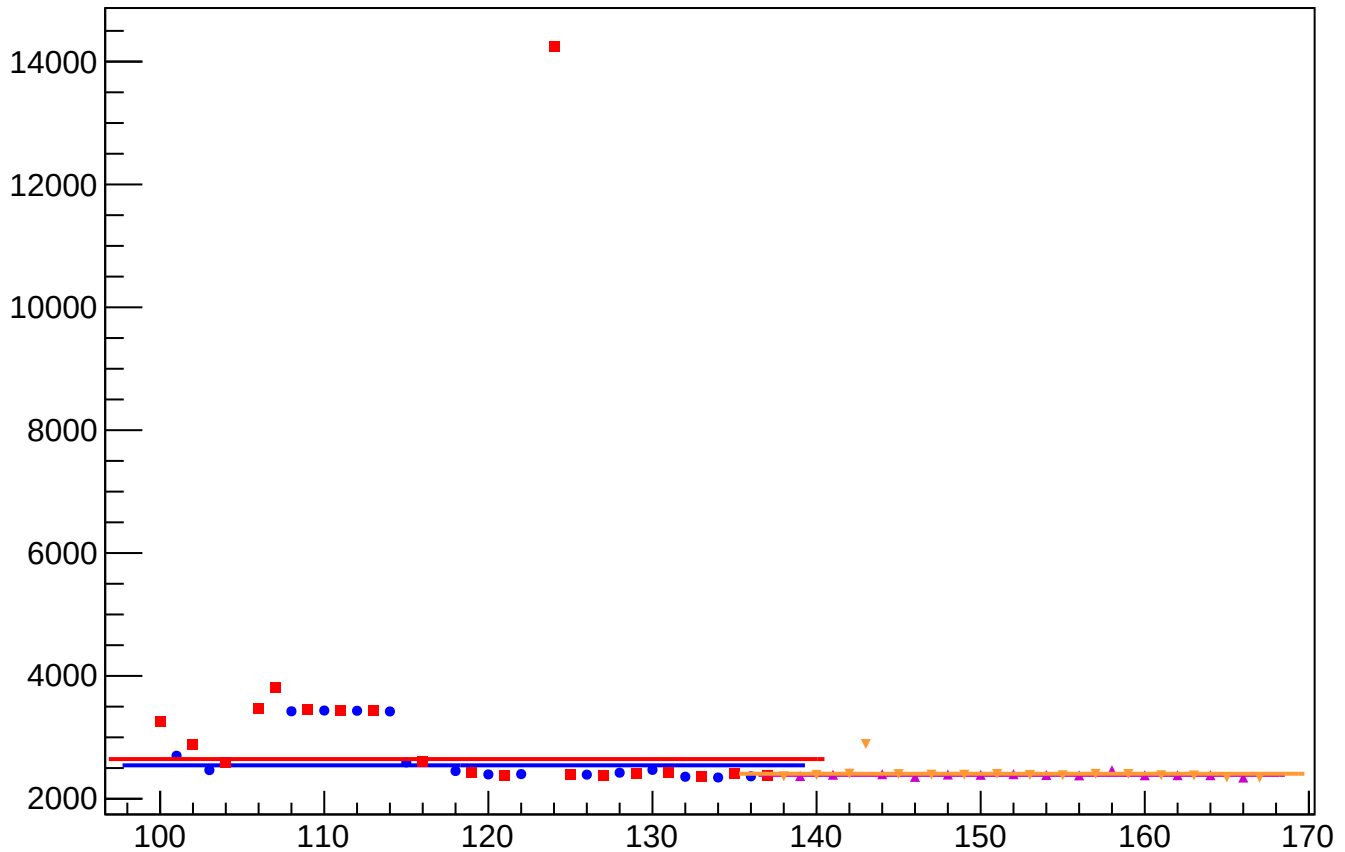
Left In: -1743.945 ± 703.084 χ^2/NDF : 19.7/13

+ sign 2034.841 ± 552.262 χ^2/NDF : 26.4/31

All: 274.832 ± 397.417 χ^2/NDF : 88.9/64

- sign -1615.468 ± 572.339 χ^2/NDF : 41.5/32

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF : 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF : 49150.2/15

Right Out: 2646.203+/-0.697 χ^2/NDF : 539546.8/18

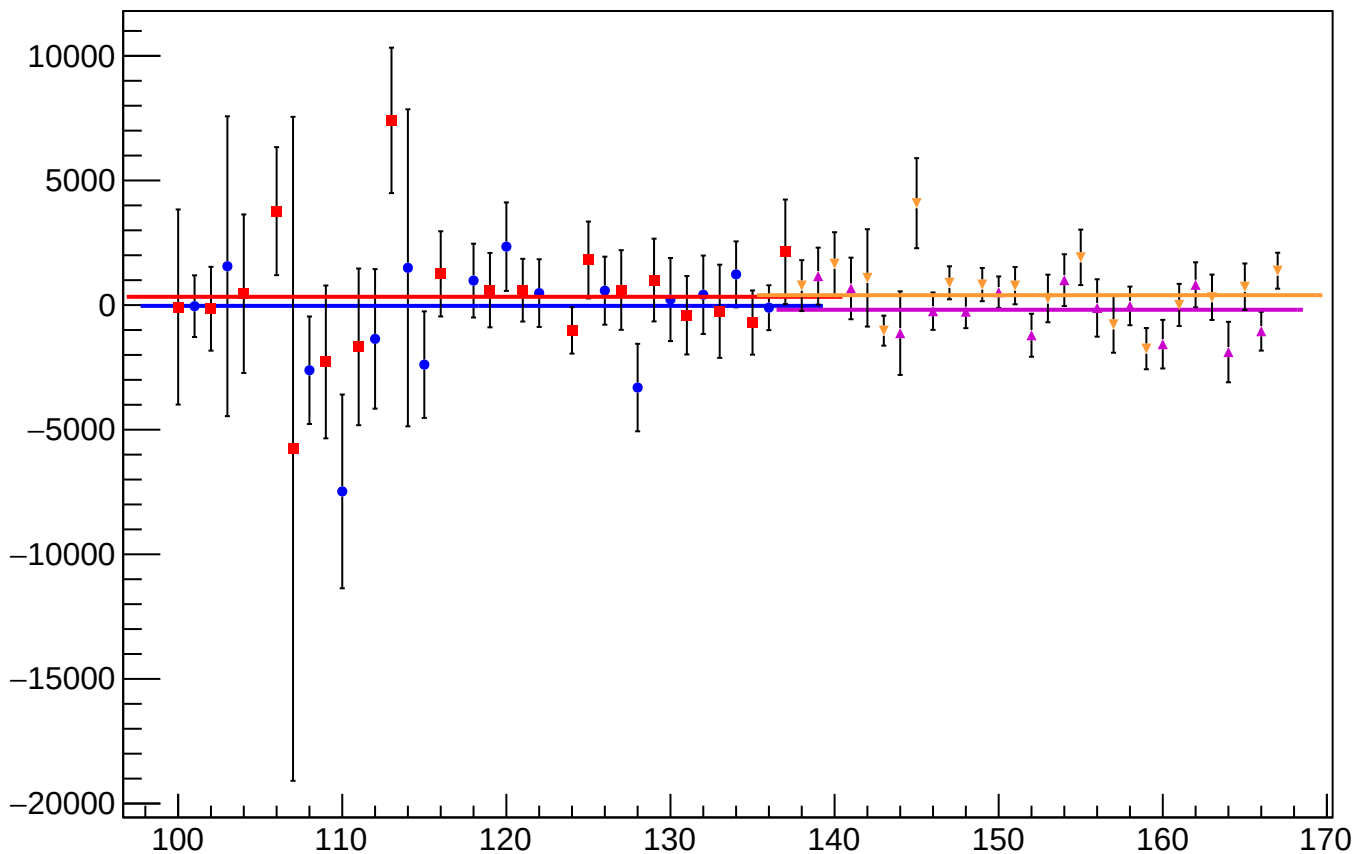
Left In: 2389.114+/-0.497 χ^2/NDF : 2614.2/13

+ sign 2453.478+/-0.391 χ^2/NDF : 302222.9/31

All: 2464.260+/-0.281 χ^2/NDF : 936173.2/64

- sign 2475.840+/-0.405 χ^2/NDF : 632369.4/32

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 χ^2/NDF : 13.8/15

Left Out: 397.075 ± 217.957 χ^2/NDF : 24.1/15

Right Out: 331.962 ± 399.334 χ^2/NDF : 14.4/18

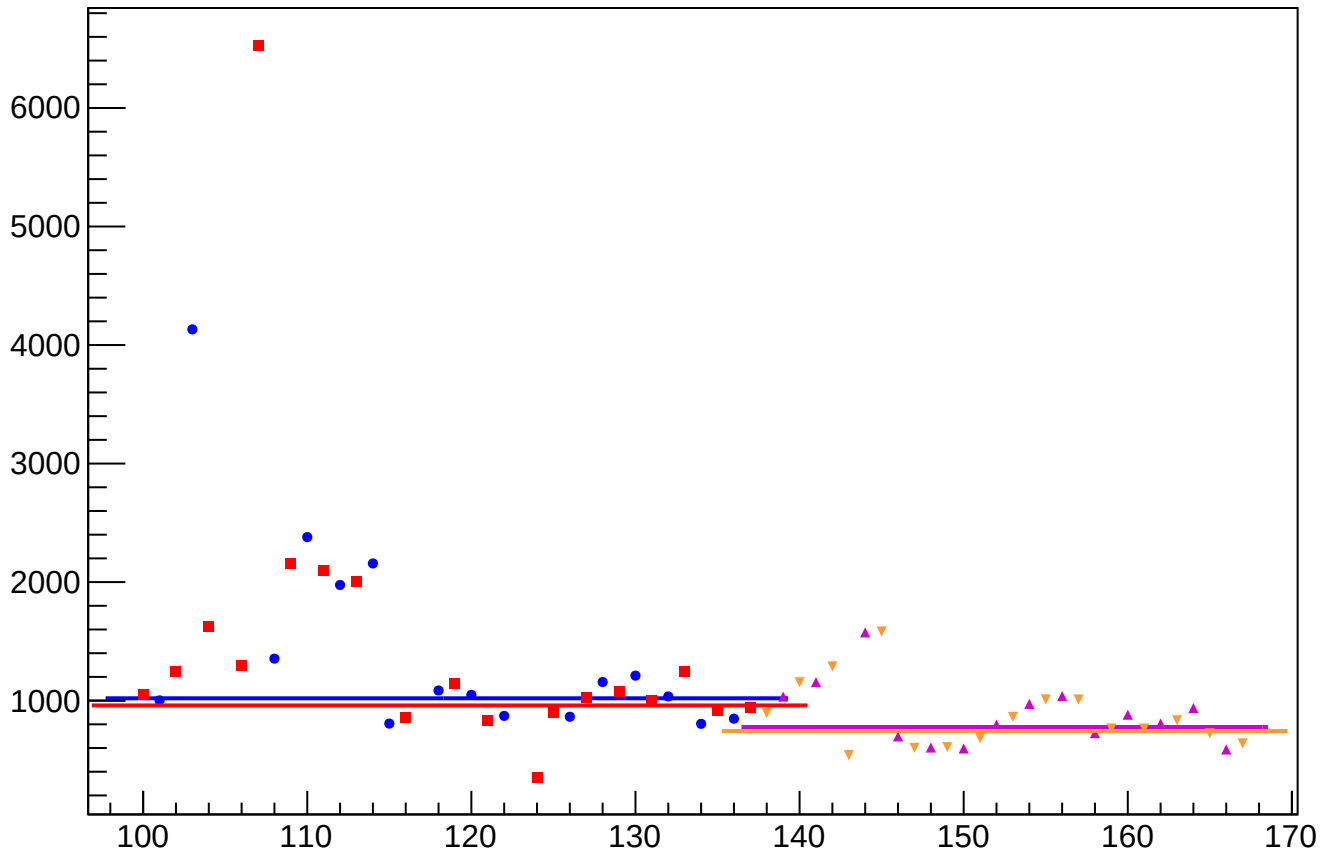
Left In: -187.651 ± 238.095 χ^2/NDF : 12.6/13

+ sign 301.147 ± 192.006 χ^2/NDF : 38.8/31

All: 135.986 ± 139.979 χ^2/NDF : 68.6/64

- sign -51.378 ± 204.504 χ^2/NDF : 28.3/32

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF : 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF :1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF : 2344434.8/18

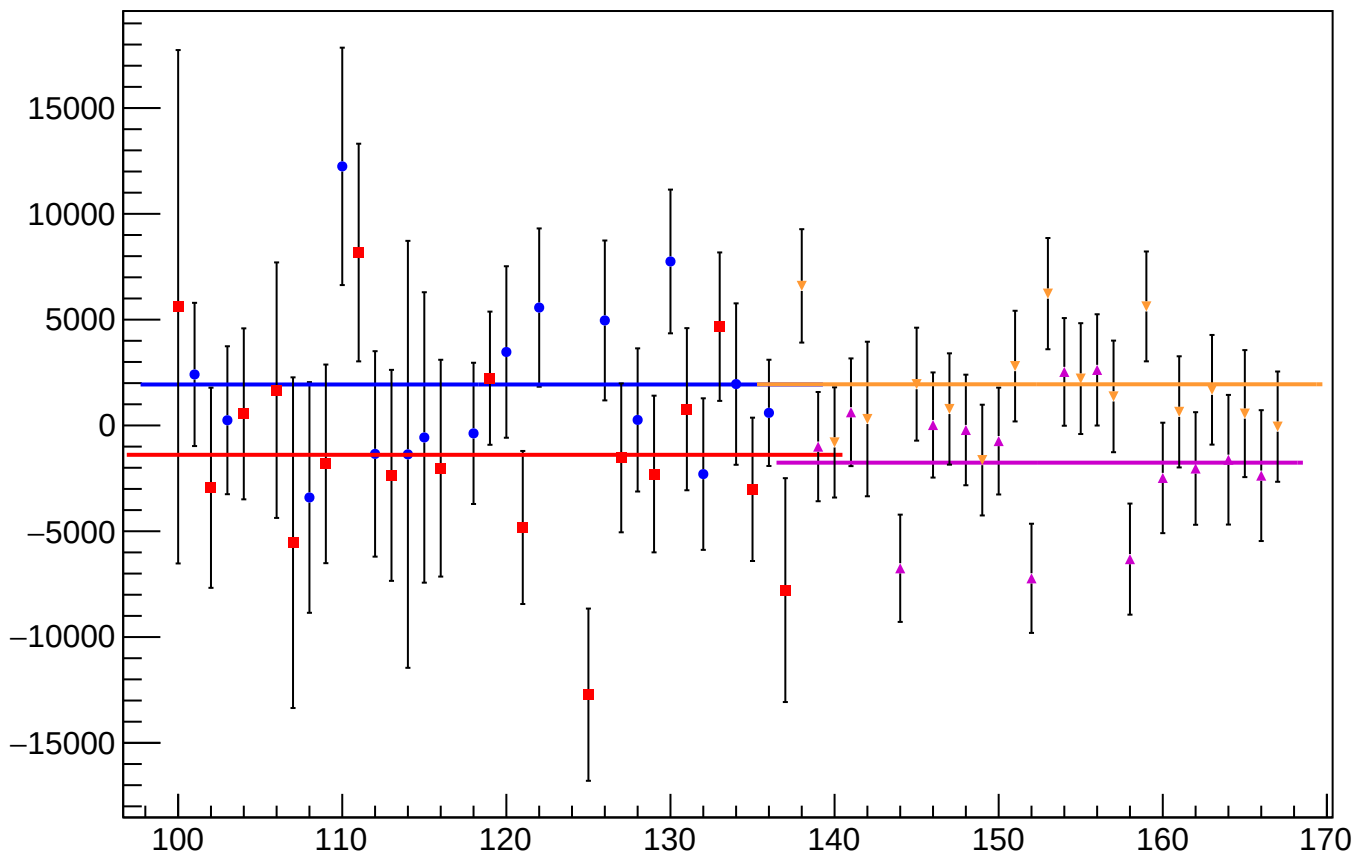
Left In: 777.160+/-0.168 χ^2/NDF :1425746.0/13

+ sign 805.146+/-0.136 χ^2/NDF : 3663286.7/31

All: 814.419+/-0.099 χ^2/NDF : 7750527.5/64

- sign 824.939+/-0.145 χ^2/NDF : 4077282.9/32

dit_asym_atl1_mean vs Slug



Right In: 1935.992 ± 962.322 χ^2/NDF : 12.4/15

Left Out: 1945.708 ± 694.420 χ^2/NDF : 12.3/14

Right Out: -1387.548 ± 1009.105 χ^2/NDF : 19.8/17

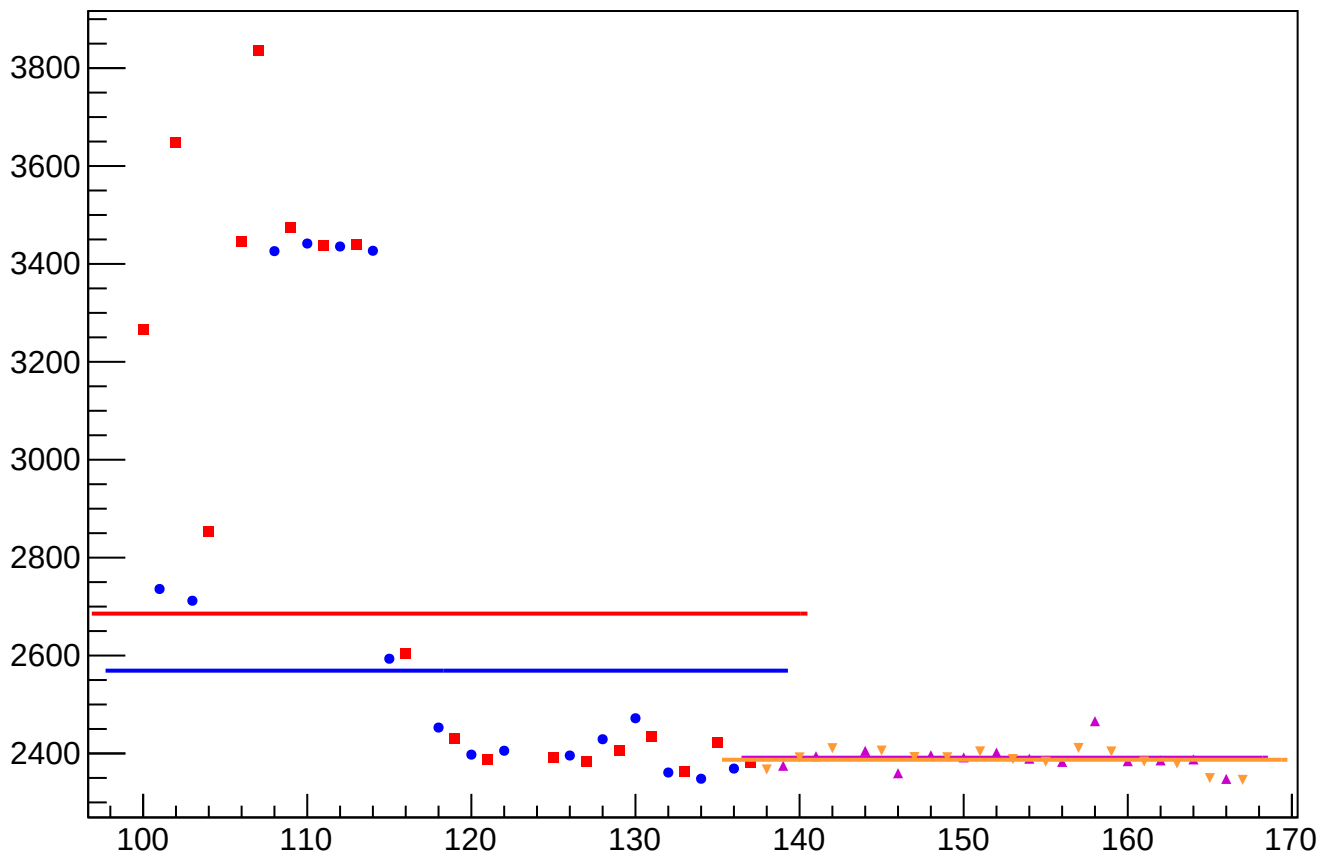
Left In: -1758.814 ± 703.745 χ^2/NDF : 19.1/13

+ sign 1942.381 ± 563.116 χ^2/NDF : 24.6/30

All: 196.842 ± 403.082 χ^2/NDF : 83.3/62

- sign -1637.330 ± 577.236 χ^2/NDF : 39.0/31

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.5/15

Left Out: 2387.136+/-0.491 χ^2/NDF : 1489.8/14

+ sign 2449.454+/-0.398 χ^2/NDF : 278015.8/30

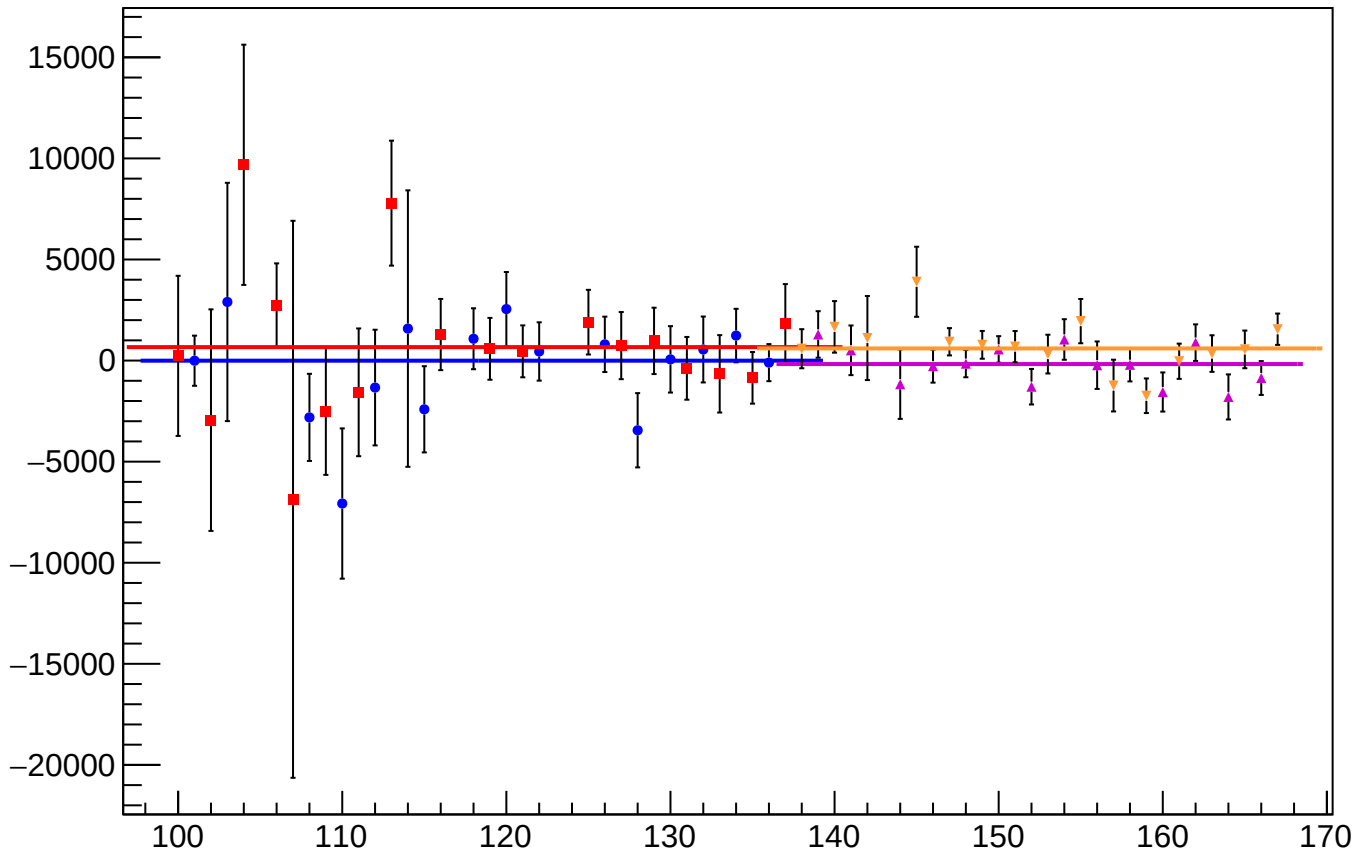
Right Out: 2685.675+/-0.714 χ^2/NDF : 419264.8/17

All: 2468.082+/-0.285 χ^2/NDF : 818808.9/62

- sign 2487.655+/-0.408 χ^2/NDF : 536304.8/31

Left In: 2391.347+/-0.498 χ^2/NDF : 2568.8/13

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 600.240 ± 239.077 χ^2/NDF : 18.0/14

Right Out: 665.952 ± 460.513 χ^2/NDF : 14.4/17

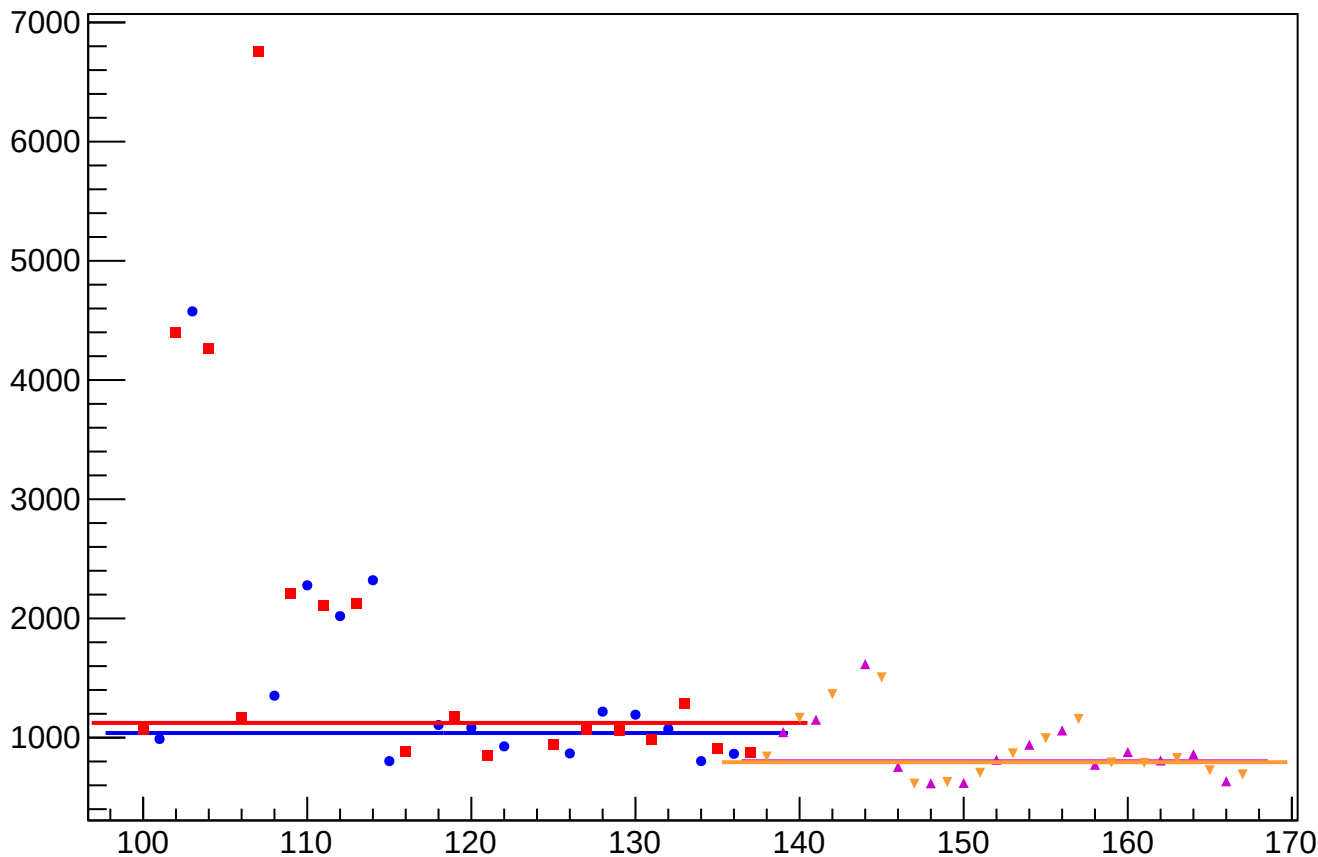
Left In: -172.533 ± 243.954 χ^2/NDF : 12.8/13

+ sign 447.871 ± 206.815 χ^2/NDF : 34.1/30

All: 238.591 ± 149.241 χ^2/NDF : 66.0/62

- sign 11.208 ± 215.574 χ^2/NDF : 29.8/31

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803 ± 0.292 χ^2/NDF : 1539731.1/15

Left Out: 794.112 ± 0.169 χ^2/NDF : 1238171.7/14

Right Out: 1123.474 ± 0.326 χ^2/NDF : 2535511.7/17

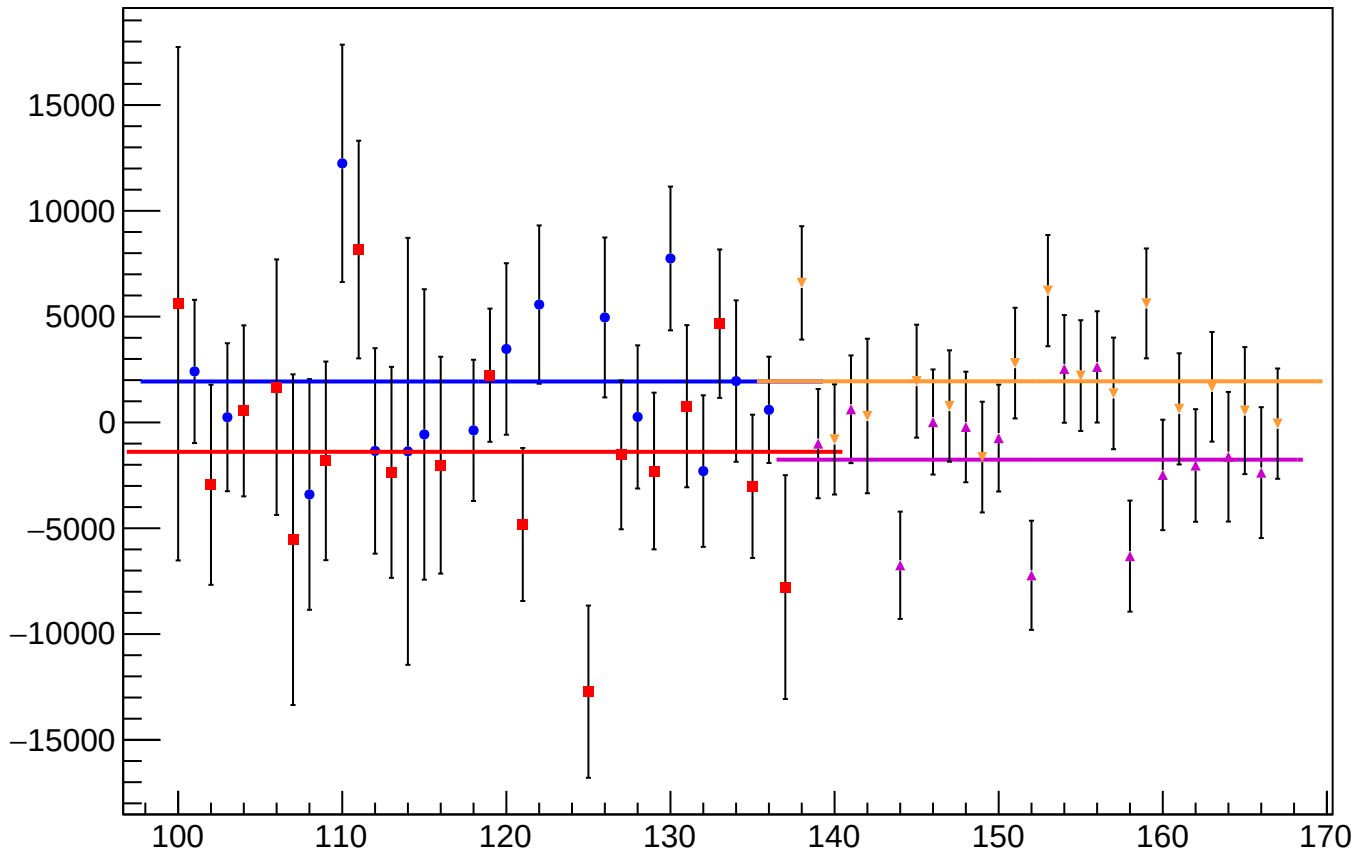
Left In: 801.266 ± 0.173 χ^2/NDF : 1249248.5/13

+ sign 855.695 ± 0.146 χ^2/NDF : 3305177.6/30

All: 863.449 ± 0.106 χ^2/NDF : 7860336.8/62

- sign 871.873 ± 0.152 χ^2/NDF : 4549294.2/31

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF : 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF :12.3/14

Right Out: -1387.545+/-1009.105 χ^2/NDF : 19.8/17

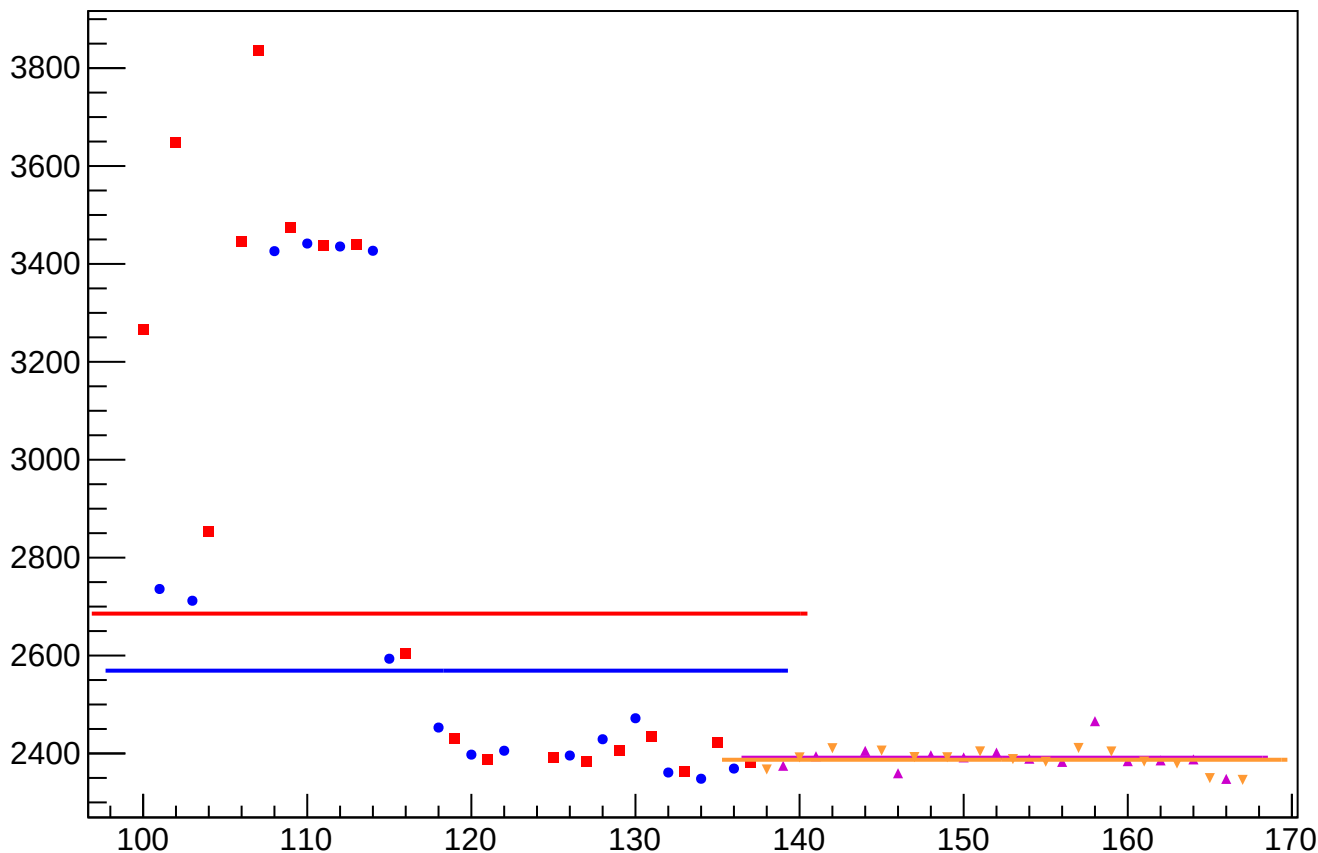
Left In: -1758.815+/-703.745 χ^2/NDF :19.1/13

+ sign 1942.380+/-563.116 χ^2/NDF : 24.6/30

All: 196.841+/-403.082 χ^2/NDF : 83.3/62

- sign -1637.330+/-577.236 χ^2/NDF : 39.0/31

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130 $\pm$ 0.680 χ^2/NDF : 229487.3/15

Left Out: 2387.136 $\pm$ 0.491 χ^2/NDF : 1489.8/14

Right Out: 2685.674 $\pm$ 0.714 χ^2/NDF : 419264.2/17

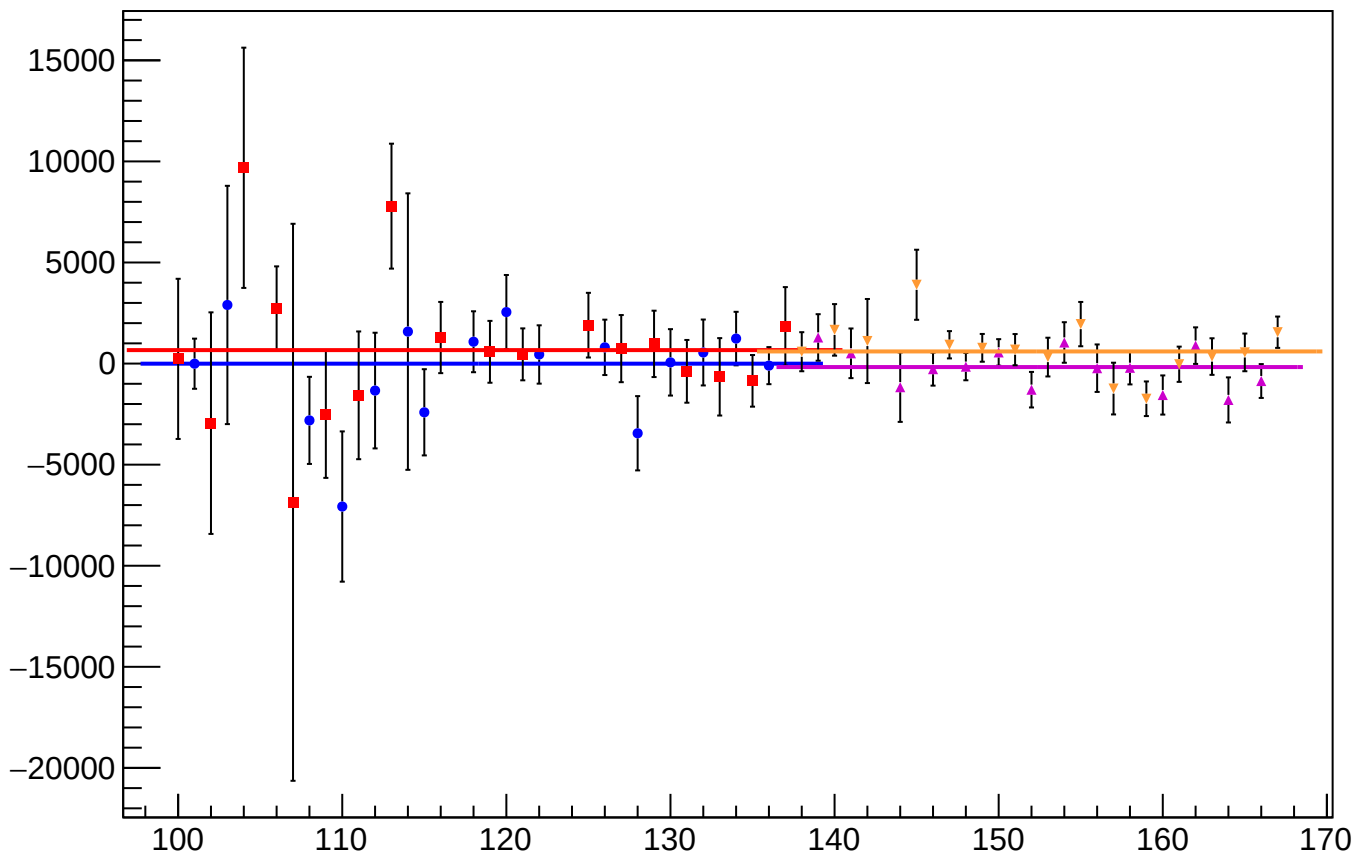
Left In: 2391.347 $\pm$ 0.498 χ^2/NDF : 2568.8/13

+ sign 2449.454 $\pm$ 0.398 χ^2/NDF : 278015.4/30

All: 2468.081 $\pm$ 0.285 χ^2/NDF : 818807.5/62

- sign 2487.655 $\pm$ 0.408 χ^2/NDF : 536303.9/31

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 600.239 ± 239.077 χ^2/NDF : 18.0/14

Right Out: 665.953 ± 460.513 χ^2/NDF : 14.4/17

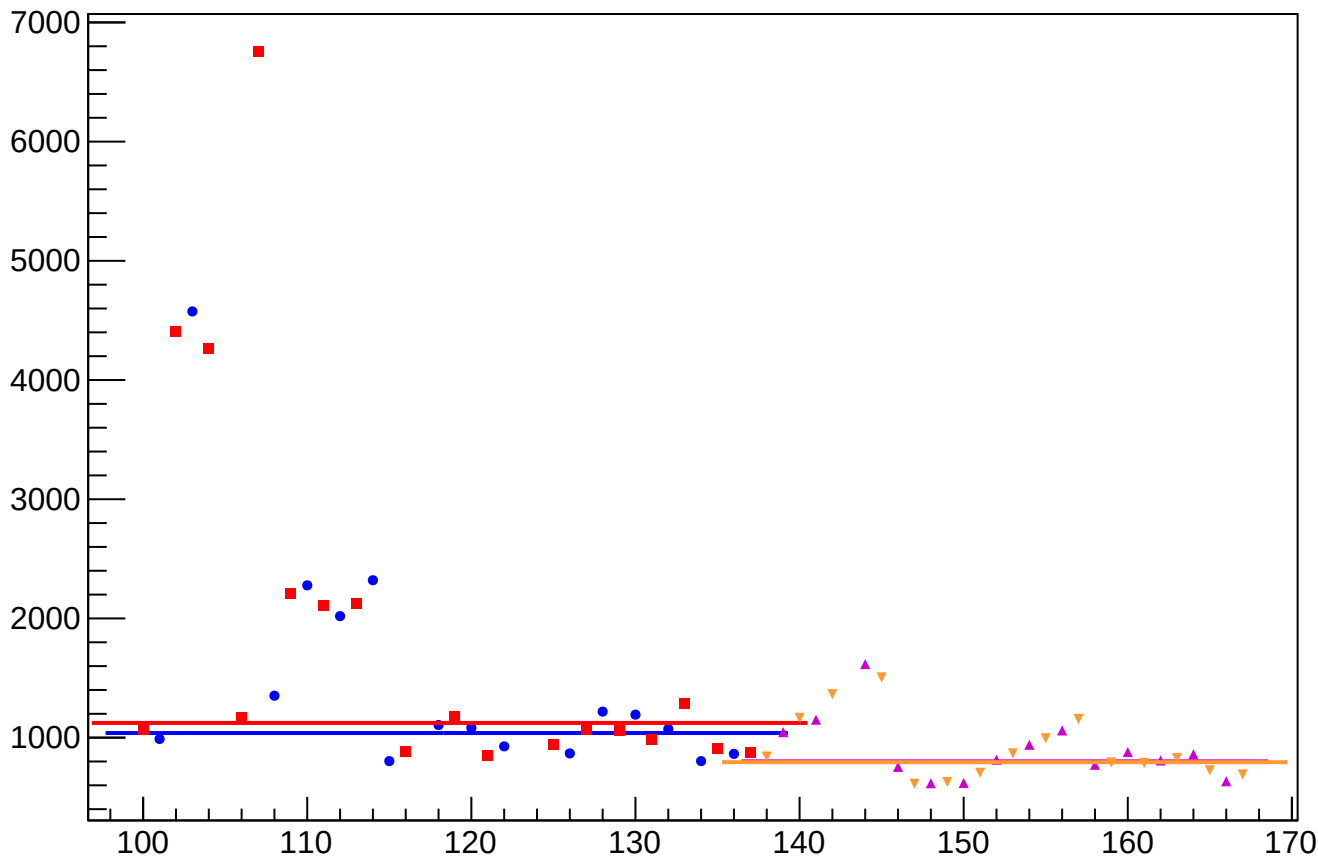
Left In: -172.533 ± 243.955 χ^2/NDF : 12.8/13

+ sign 447.870 ± 206.815 χ^2/NDF : 34.1/30

All: 238.591 ± 149.241 χ^2/NDF : 66.0/62

- sign 11.209 ± 215.575 χ^2/NDF : 29.8/31

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804 ± 0.292 $\chi^2/\text{NDF}: 1539724.8/15$

Left Out: 794.113 ± 0.169 $\chi^2/\text{NDF}: 1238169.3/14$

Right Out: 1123.474 ± 0.326 $\chi^2/\text{NDF}: 2535509.9/17$

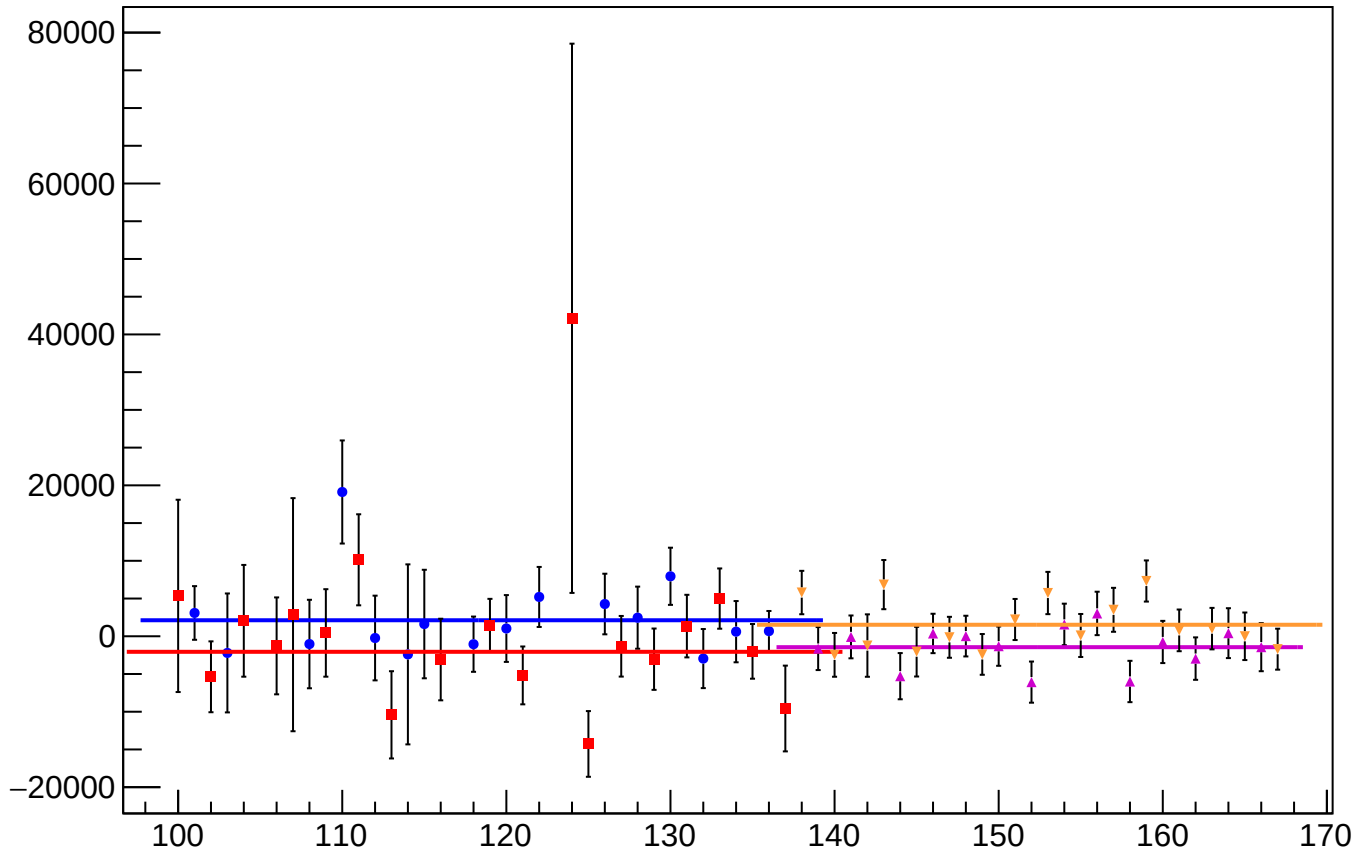
Left In: 801.267 ± 0.173 $\chi^2/\text{NDF}: 1249247.3/13$

+ sign 855.697 ± 0.146 $\chi^2/\text{NDF}: 3305164.6/30$

All: 863.450 ± 0.106 $\chi^2/\text{NDF}: 7860313.2/62$

- sign 871.874 ± 0.152 $\chi^2/\text{NDF}: 4549283.6/31$

asym_atl1_mean vs Slug



Right In: 2121.991 ± 1084.700 $\chi^2/\text{NDF}: 13.4/15$

Left Out: 1525.081 ± 726.379 $\chi^2/\text{NDF}: 20.2/15$

Right Out: -2059.741 ± 1136.807 $\chi^2/\text{NDF}: 24.3/18$

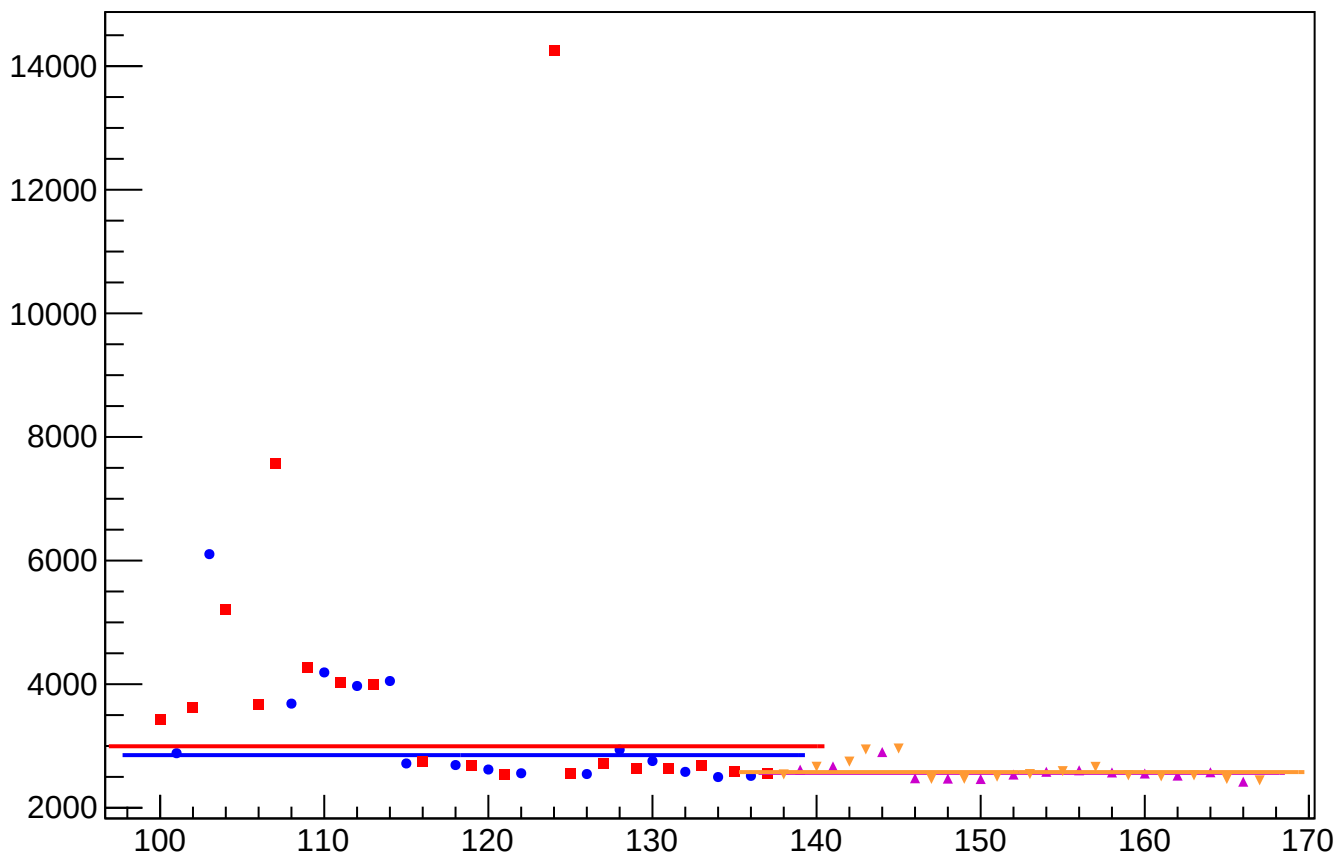
Left In: -1444.968 ± 755.745 $\chi^2/\text{NDF}: 12.5/13$

+ sign 1709.886 ± 603.549 $\chi^2/\text{NDF}: 33.8/31$

All: 108.210 ± 435.613 $\chi^2/\text{NDF}: 85.5/64$

- sign -1633.394 ± 629.361 $\chi^2/\text{NDF}: 37.0/32$

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF : 648715.2/15

Left Out: 2577.752+/-0.514 χ^2/NDF : 77736.7/15

Right Out: 2995.525+/-0.804 χ^2/NDF : 979168.6/18

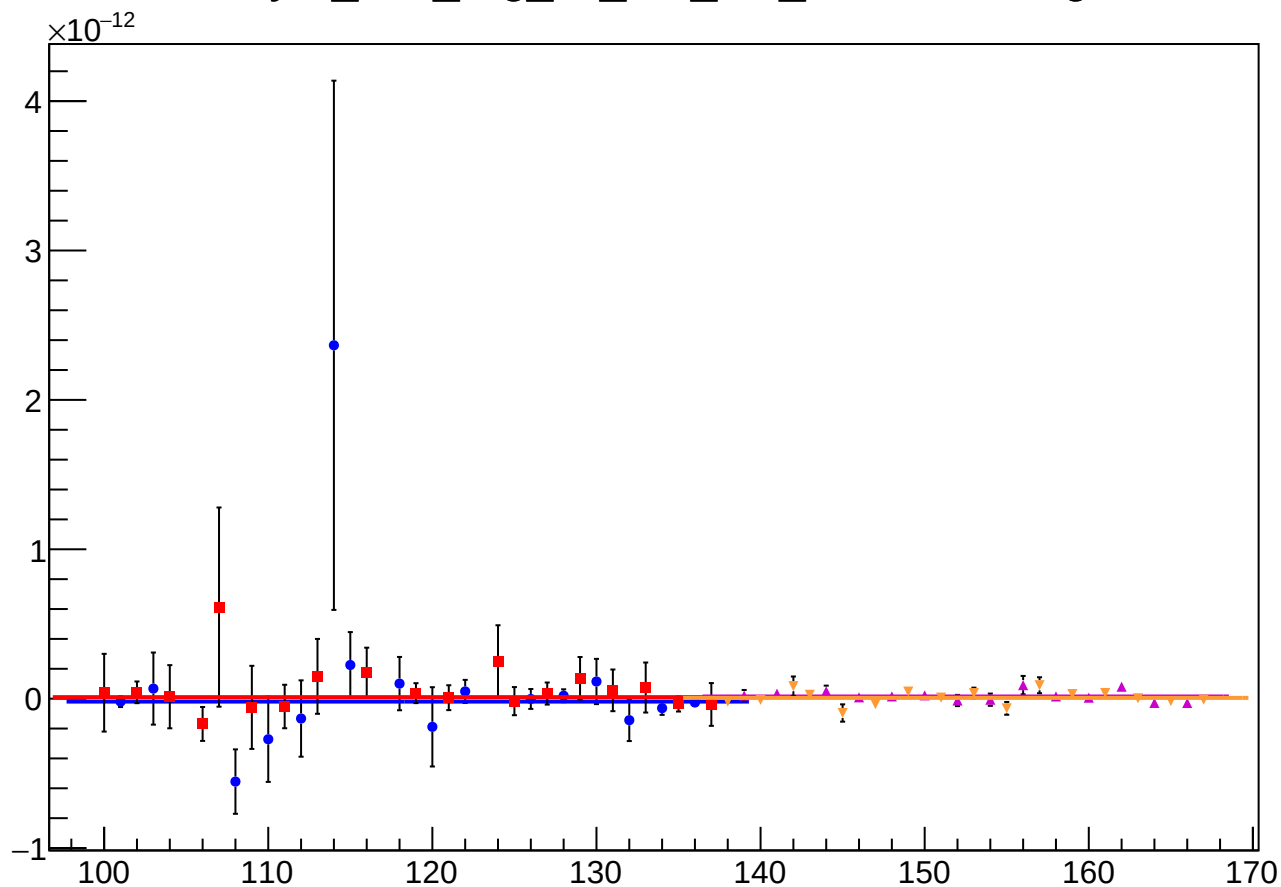
Left In: 2565.312+/-0.534 χ^2/NDF : 40275.7/13

+ sign 2662.724+/-0.427 χ^2/NDF : 814850.9/31

All: 2679.227+/-0.308 χ^2/NDF : 2036059.0/64

- sign 2697.171+/-0.445 χ^2/NDF : 1218087.0/32

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 : 22.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 8.3/18

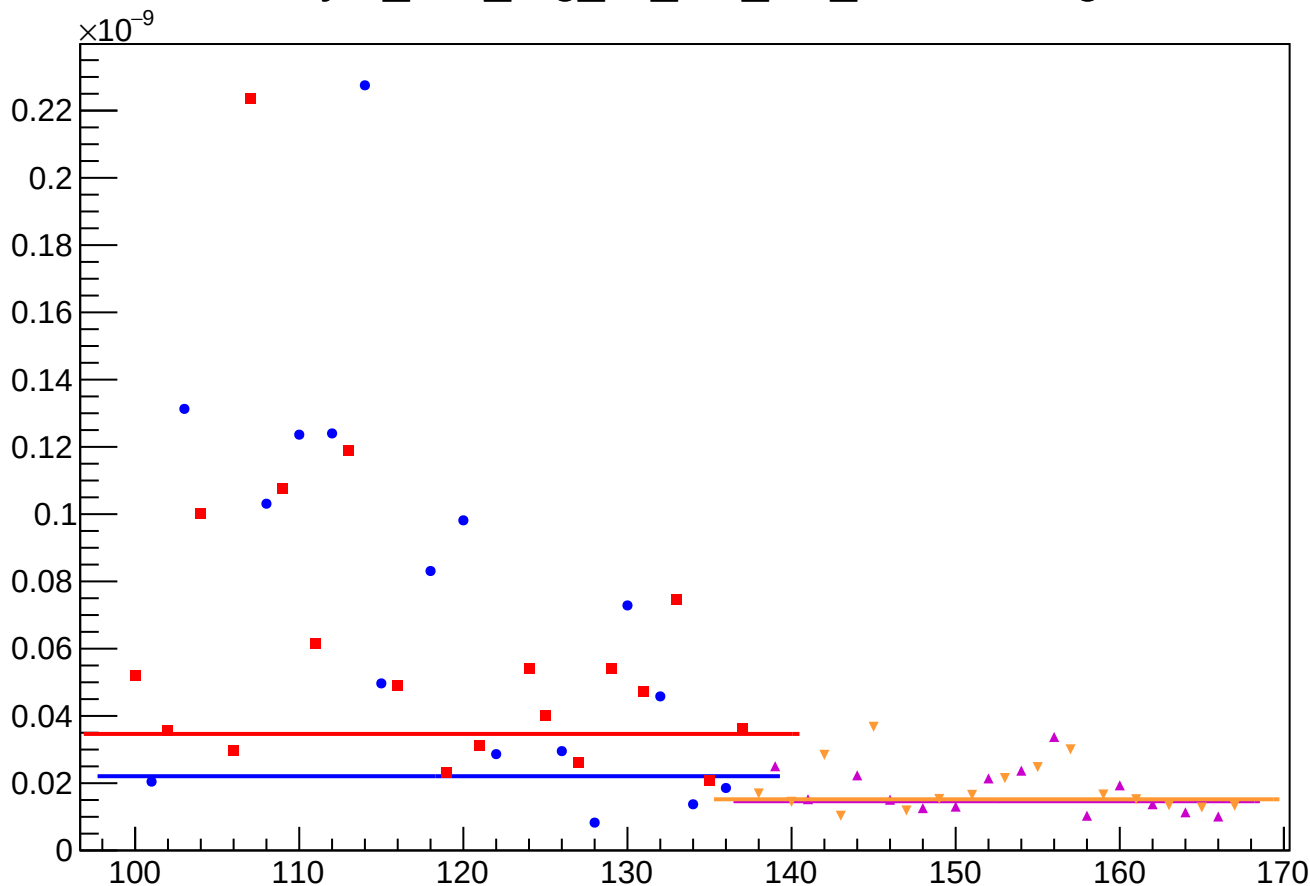
Left In: 0.000 ± 0.000 χ^2/NDF : 17.3/13

+ sign 0.000 ± 0.000 χ^2/NDF : 39.2/31

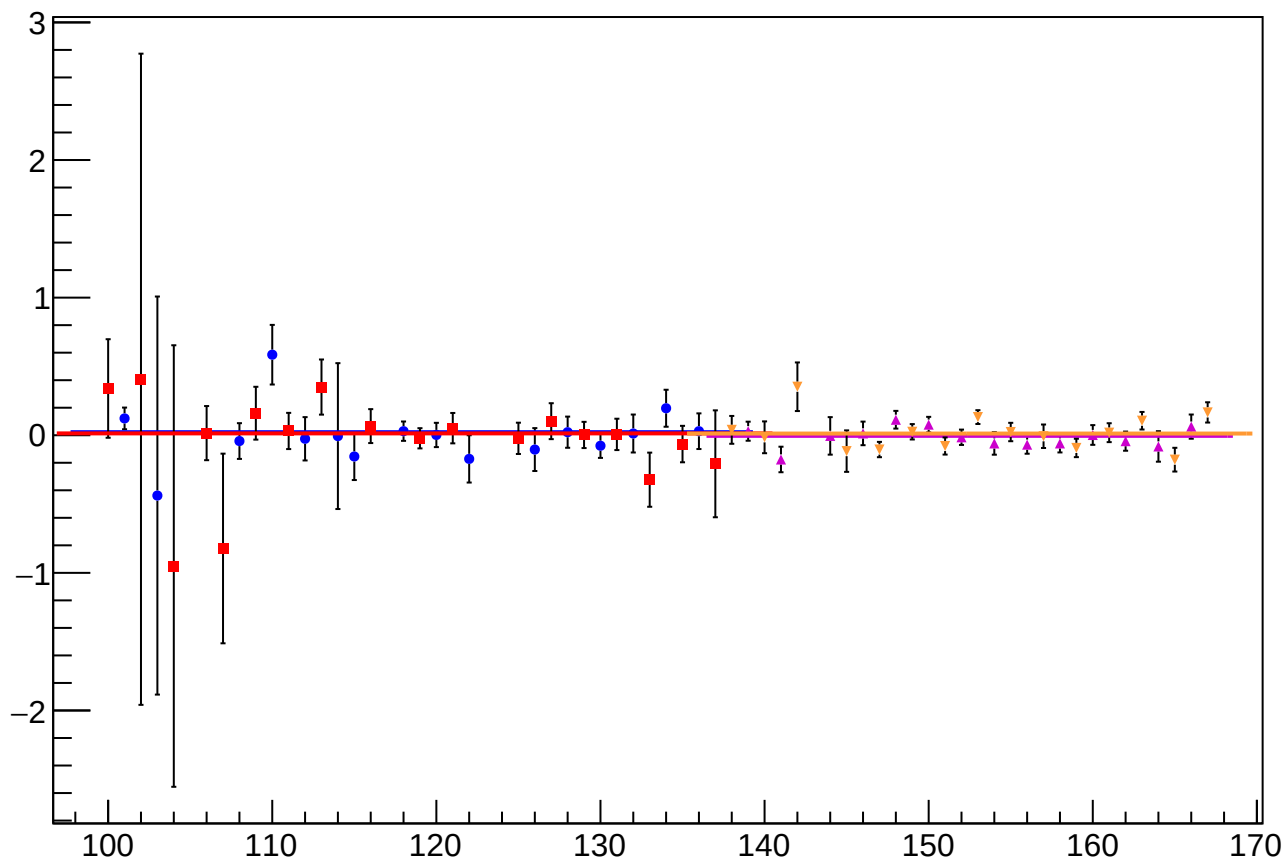
All: 0.000 ± 0.000 χ^2/NDF : 66.6/64

- sign 0.000 ± 0.000 χ^2/NDF : 25.7/32

asym_atl1_reg_vs_cor_diff_rms vs Slug



asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.012 ± 0.019 $\chi^2/\text{NDF}: 30.6/14$

Right Out: 0.013 ± 0.033 $\chi^2/\text{NDF}: 10.8/17$

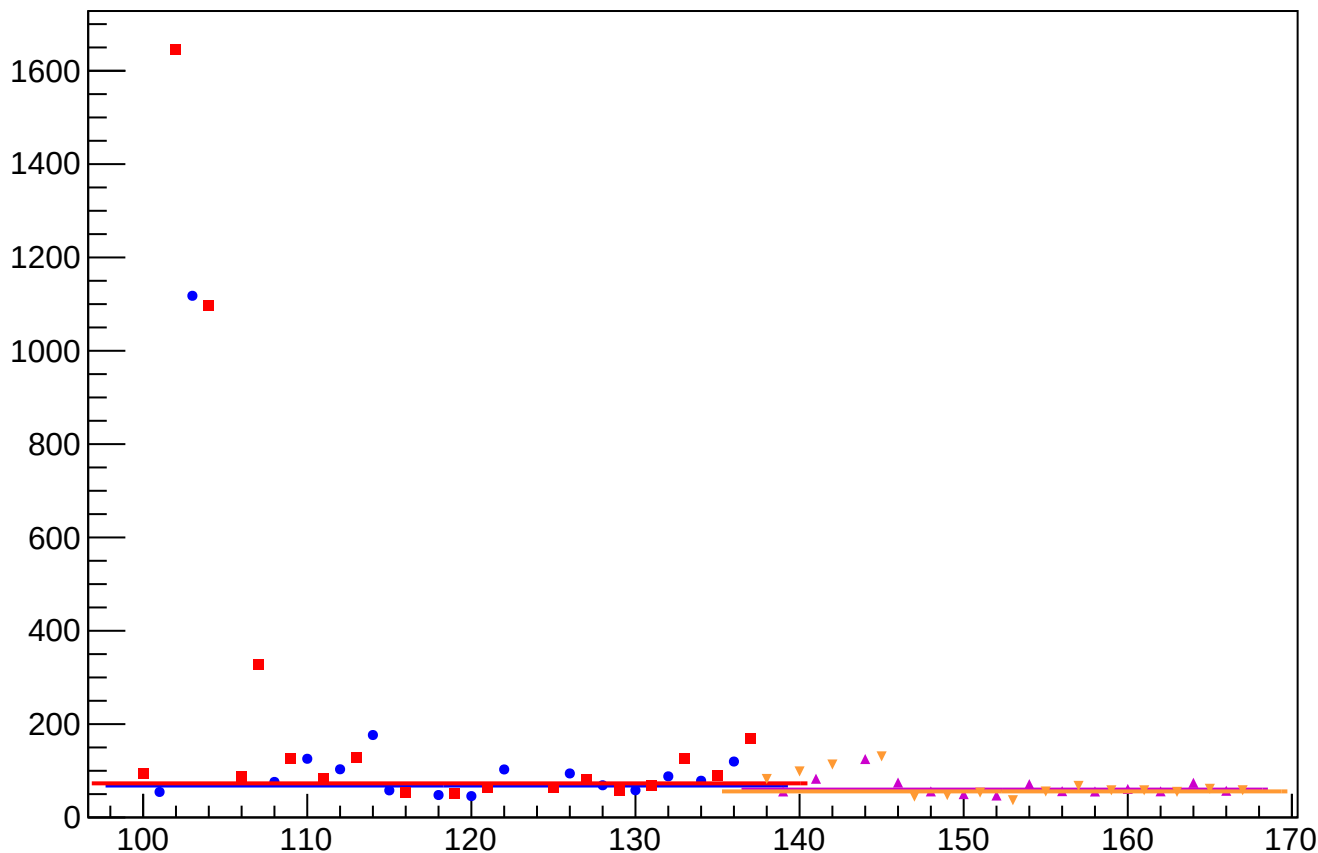
Left In: -0.004 ± 0.020 $\chi^2/\text{NDF}: 12.6/13$

+ sign 0.015 ± 0.016 $\chi^2/\text{NDF}: 45.5/30$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 69.6/62$

- sign 0.000 ± 0.017 $\chi^2/\text{NDF}: 23.6/31$

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429 $\pm$ 0.021 χ^2 /NDF: 2278083.9/15

Left Out: 55.847 $\pm$ 0.013 χ^2 /NDF: 1584789.7/14

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913147.6/17

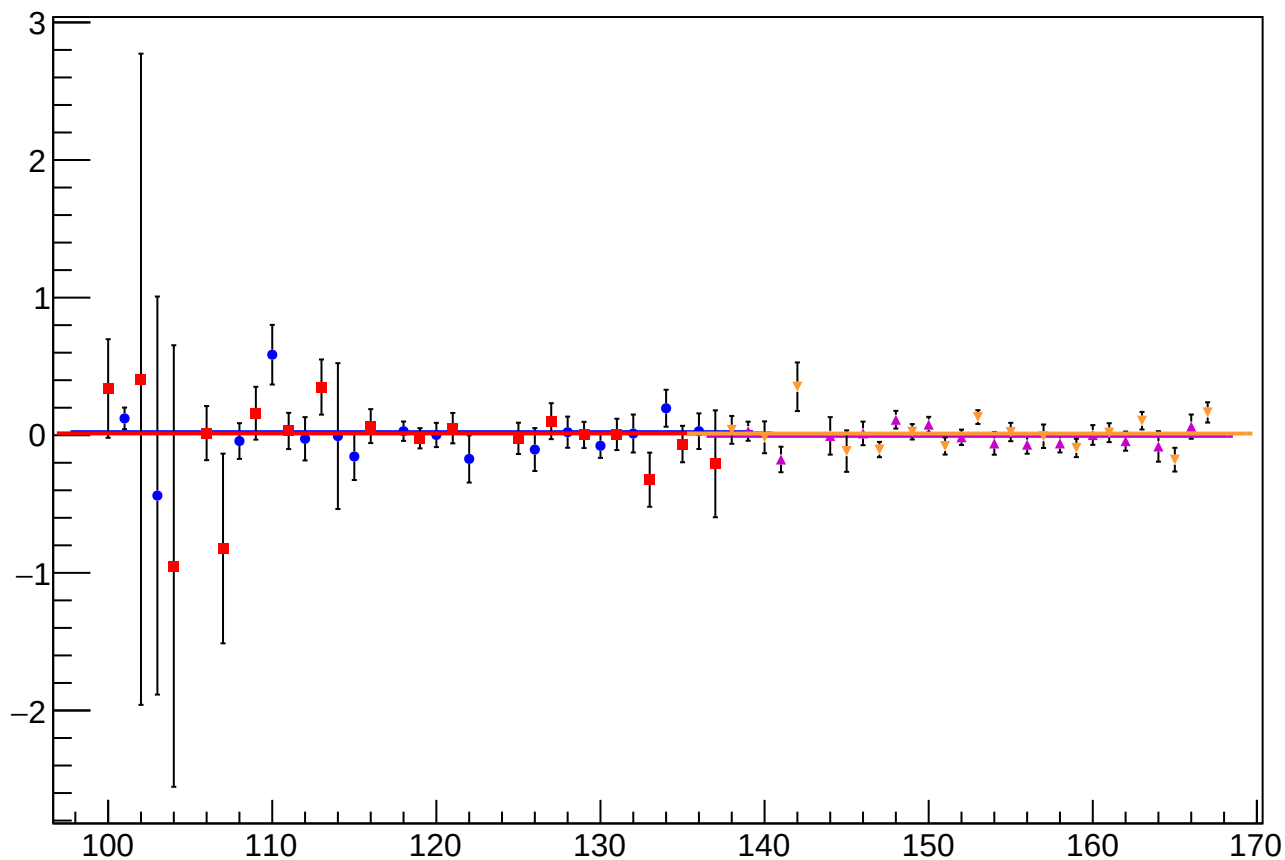
Left In: 59.680 $\pm$ 0.014 χ^2 /NDF: 921409.7/13

+ sign 59.300 $\pm$ 0.011 χ^2 /NDF: 4115606.4/30

All: 61.067 $\pm$ 0.008 χ^2 /NDF: 8242436.7/62

- sign 63.089 $\pm$ 0.012 χ^2 /NDF: 4073130.9/31

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.012 ± 0.019 $\chi^2/\text{NDF}: 30.6/14$

Right Out: 0.013 ± 0.033 $\chi^2/\text{NDF}: 10.8/17$

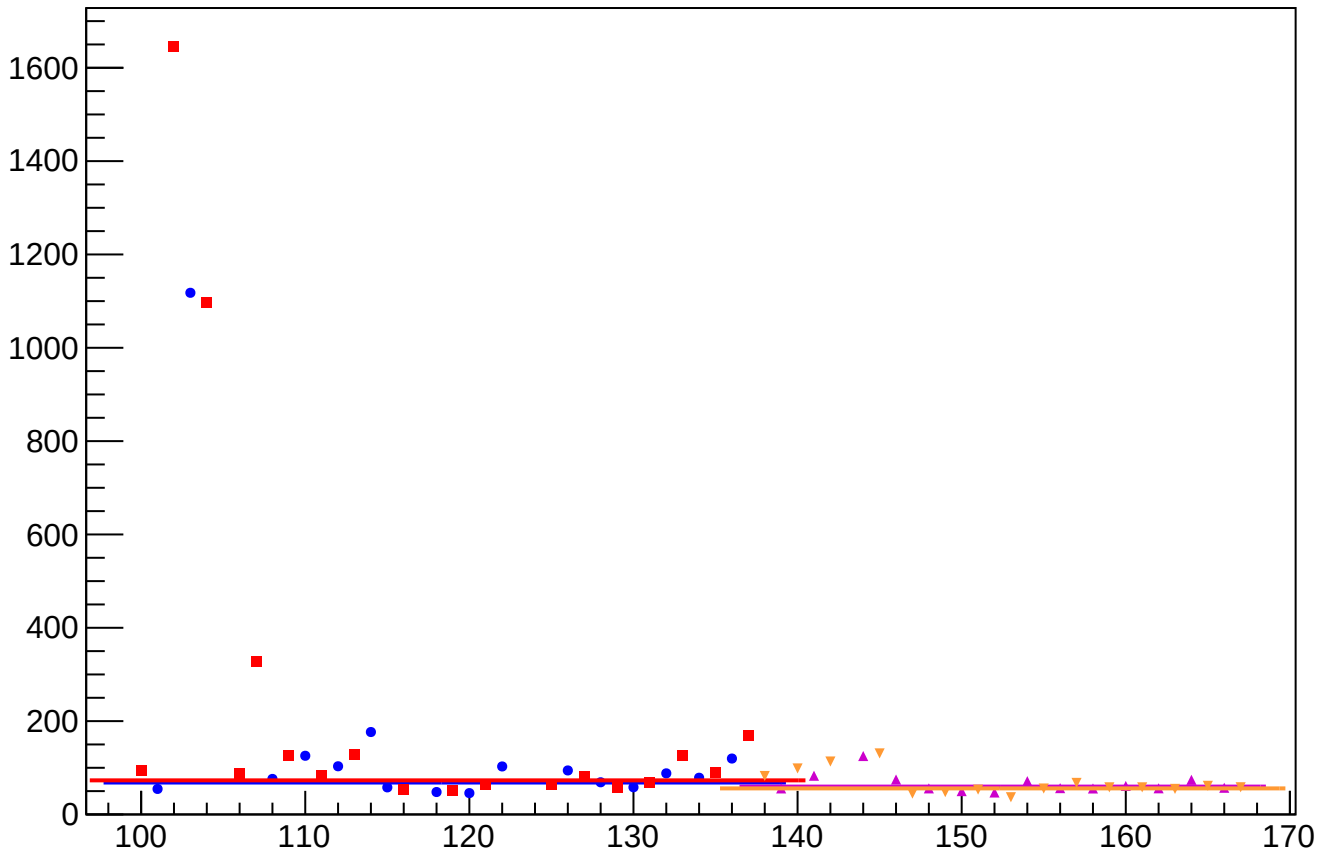
Left In: -0.004 ± 0.020 $\chi^2/\text{NDF}: 12.6/13$

+ sign 0.015 ± 0.016 $\chi^2/\text{NDF}: 45.5/30$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 69.6/62$

- sign 0.000 ± 0.017 $\chi^2/\text{NDF}: 23.6/31$

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429 ± 0.021 χ^2/NDF : 2278083.9/15

Left Out: 55.847 ± 0.013 χ^2/NDF : 1584789.7/14

Right Out: 73.072 ± 0.024 χ^2/NDF : 2913147.6/17

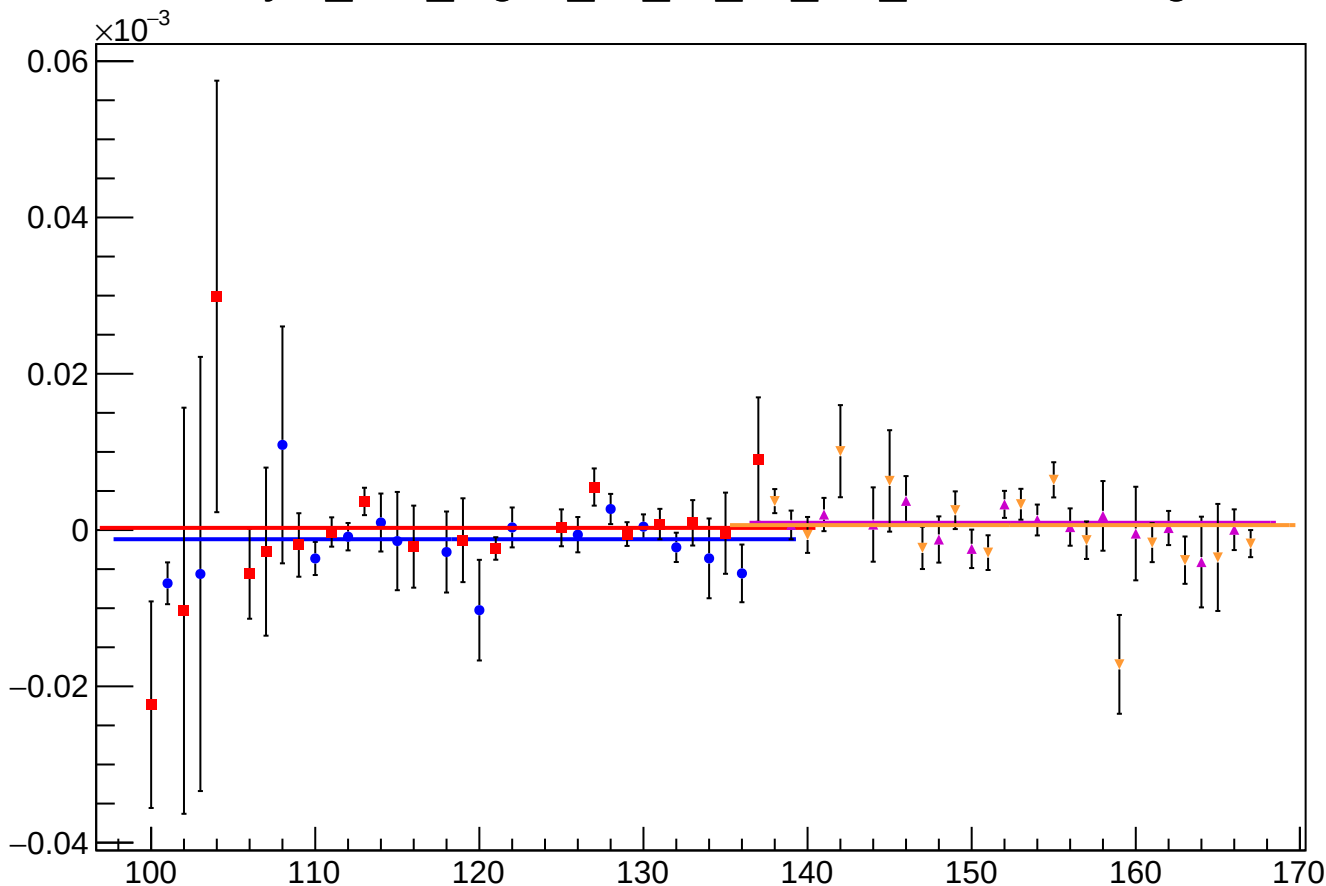
Left In: 59.680 ± 0.014 χ^2/NDF : 921409.7/13

+ sign 59.300 ± 0.011 χ^2/NDF : 4115606.4/30

All: 61.067 ± 0.008 χ^2/NDF : 8242436.7/62

- sign 63.089 ± 0.012 χ^2/NDF : 4073130.9/31

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 : 34.2/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.5/17

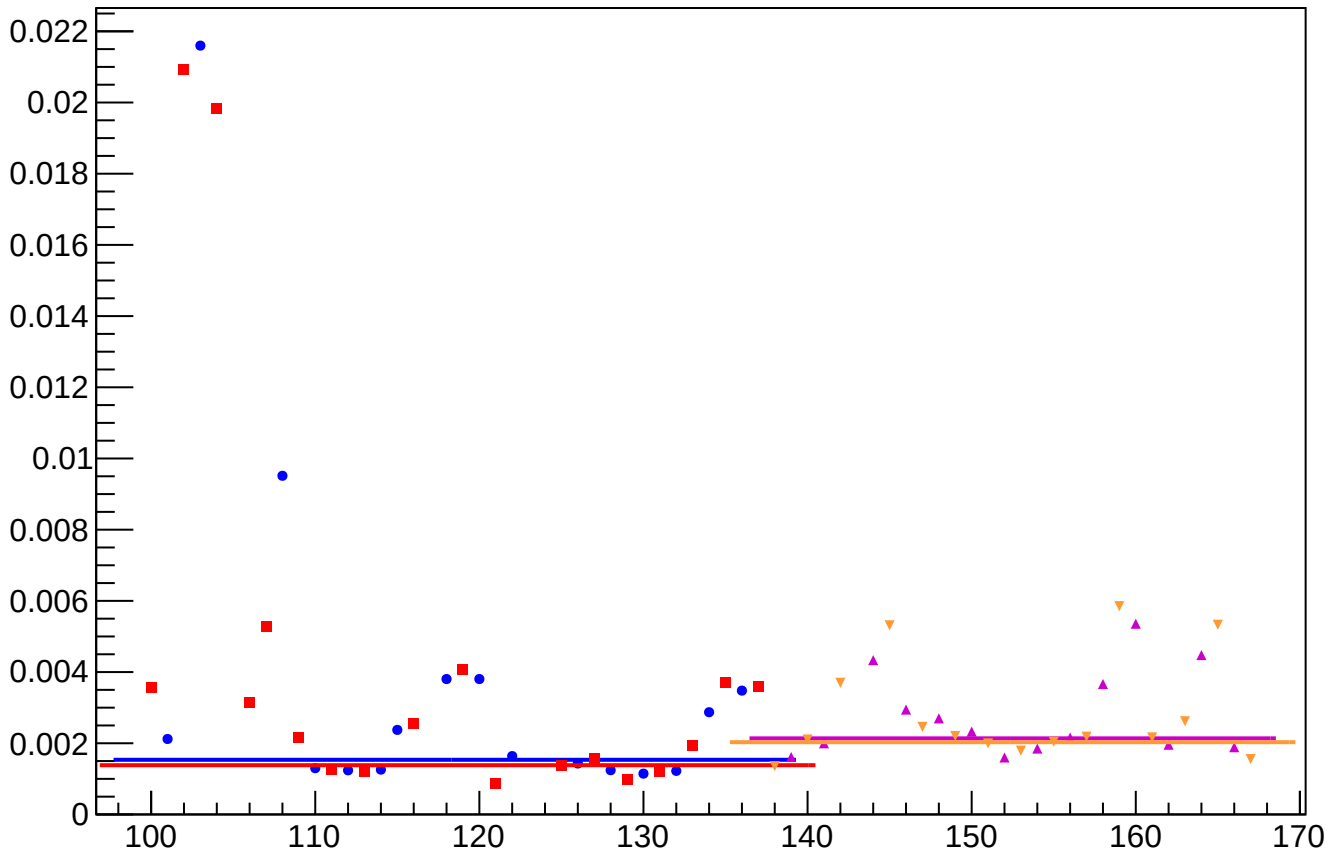
Left In: 0.000 ± 0.000 χ^2/NDF : 6.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 54.3/30

All: 0.000 ± 0.000 χ^2/NDF : 82.3/62

- sign 0.000 ± 0.000 χ^2/NDF : 26.4/31

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3373907.9/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:2579530.2/14

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4269081.2/17

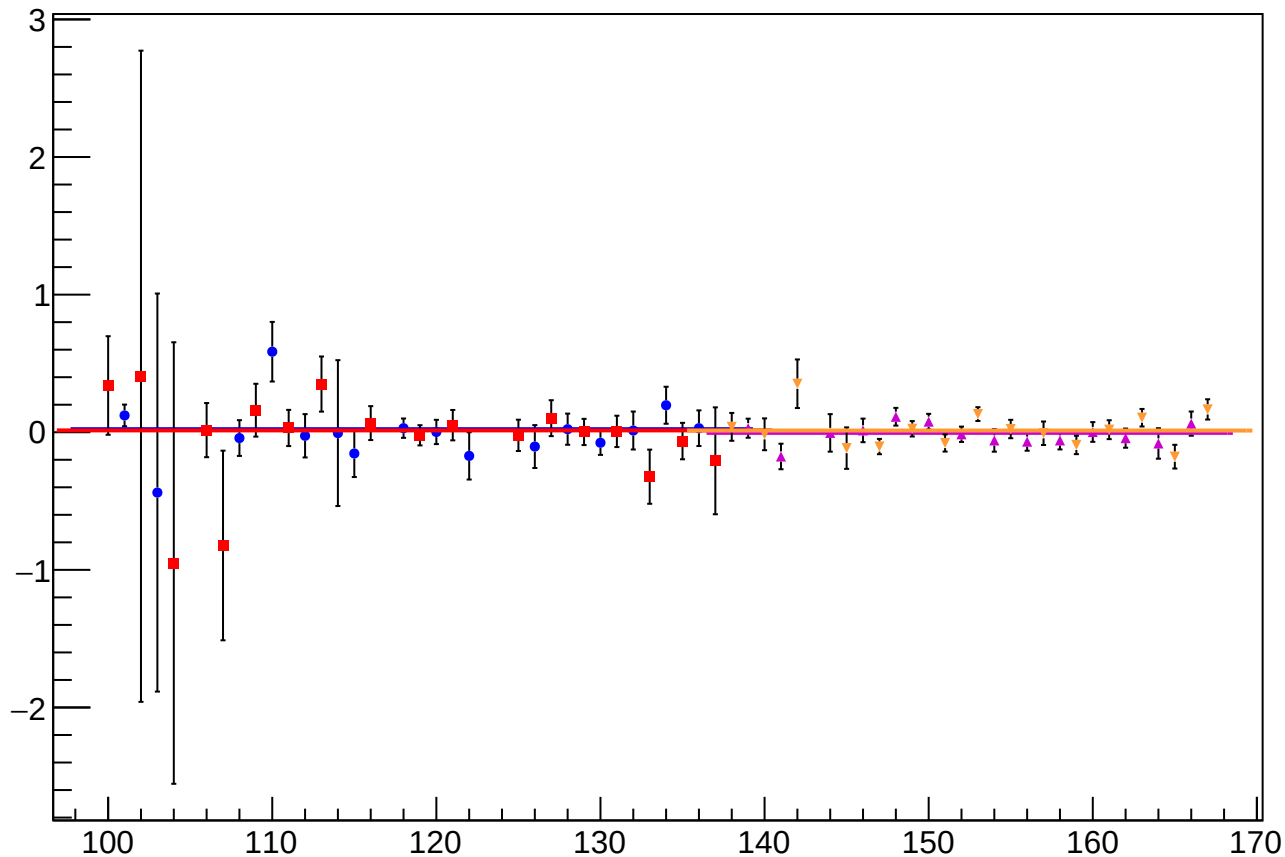
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:2218200.2/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6530043.8/30

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 14354004.4/62

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7808131.5/31

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.012 ± 0.019 $\chi^2/\text{NDF}: 30.6/14$

Right Out: 0.013 ± 0.033 $\chi^2/\text{NDF}: 10.8/17$

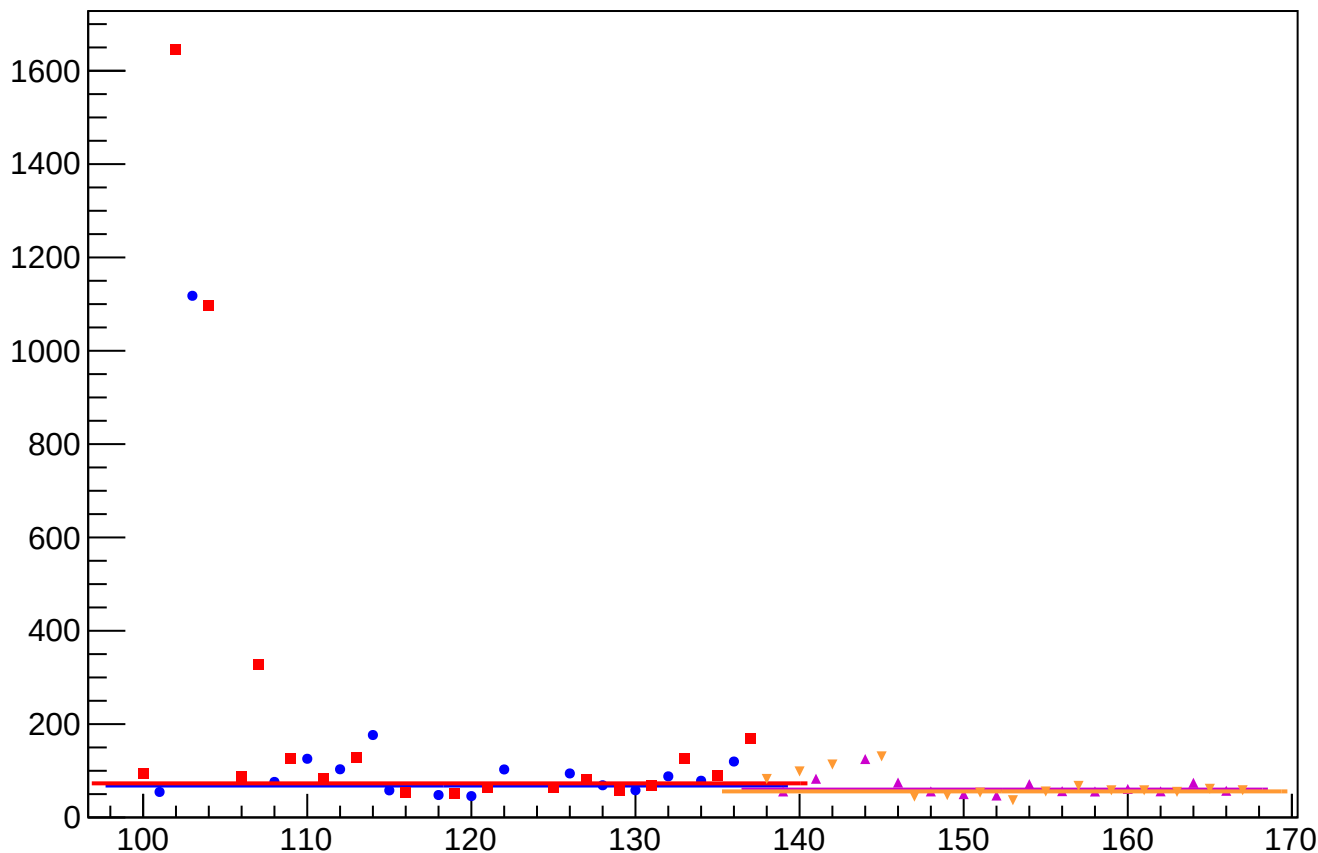
Left In: -0.004 ± 0.020 $\chi^2/\text{NDF}: 12.6/13$

+ sign 0.015 ± 0.016 $\chi^2/\text{NDF}: 45.5/30$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 69.6/62$

- sign 0.000 ± 0.017 $\chi^2/\text{NDF}: 23.6/31$

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428 $\pm$ 0.021 χ^2 /NDF: 2278168.9/15

Left Out: 55.847 $\pm$ 0.013 χ^2 /NDF: 1584864.3/14

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

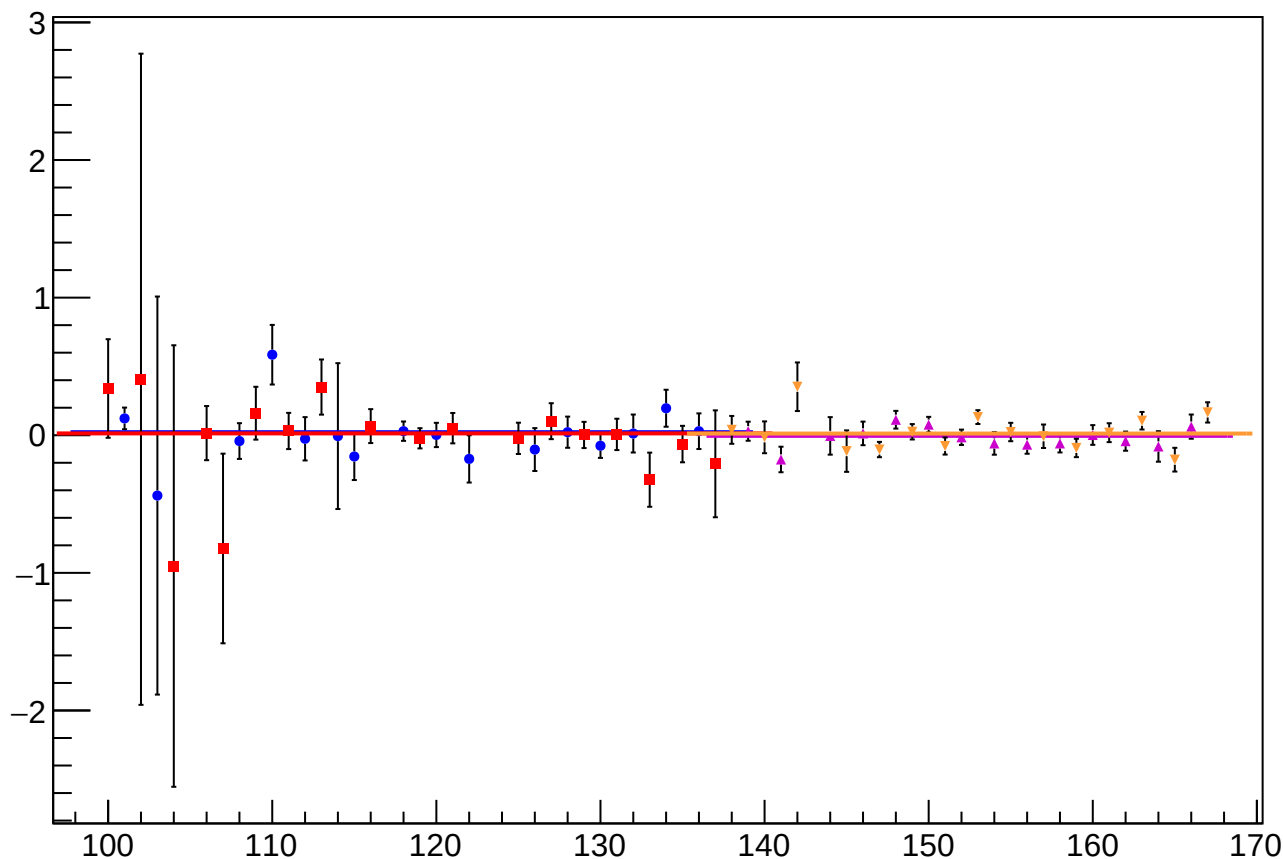
Left In: 59.681 $\pm$ 0.014 χ^2 /NDF: 921385.5/13

+ sign 59.299 $\pm$ 0.011 χ^2 /NDF: 4115734.3/30

All: 61.067 $\pm$ 0.008 χ^2 /NDF: 8242539.1/62

- sign 63.089 $\pm$ 0.012 χ^2 /NDF: 4073094.4/31

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.012 ± 0.019 $\chi^2/\text{NDF}: 30.6/14$

Right Out: 0.013 ± 0.033 $\chi^2/\text{NDF}: 10.8/17$

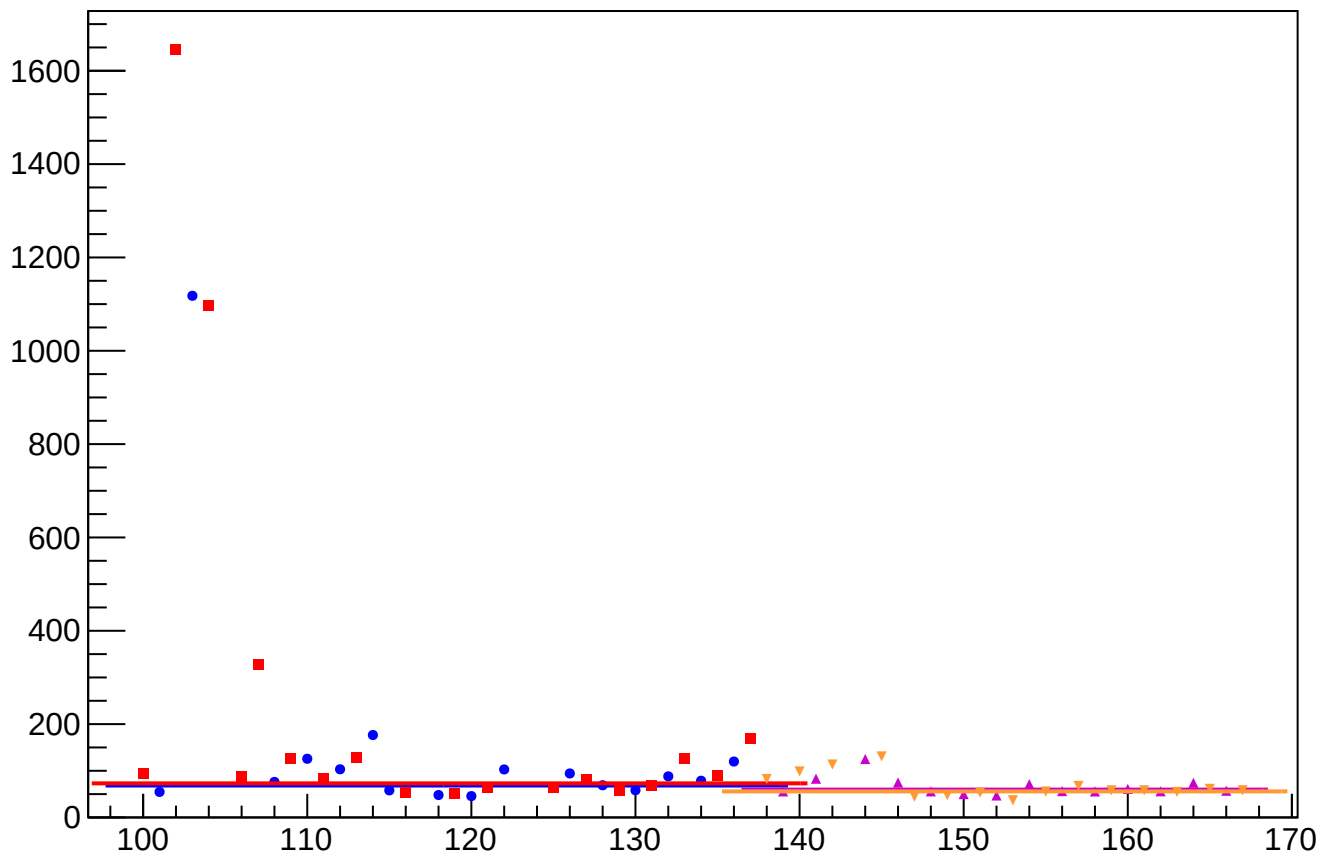
Left In: -0.004 ± 0.020 $\chi^2/\text{NDF}: 12.6/13$

+ sign 0.015 ± 0.016 $\chi^2/\text{NDF}: 45.5/30$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 69.6/62$

- sign 0.000 ± 0.017 $\chi^2/\text{NDF}: 23.6/31$

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428 $\pm$ 0.021 χ^2 /NDF: 2278168.9/15

Left Out: 55.847 $\pm$ 0.013 χ^2 /NDF: 1584864.3/14

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

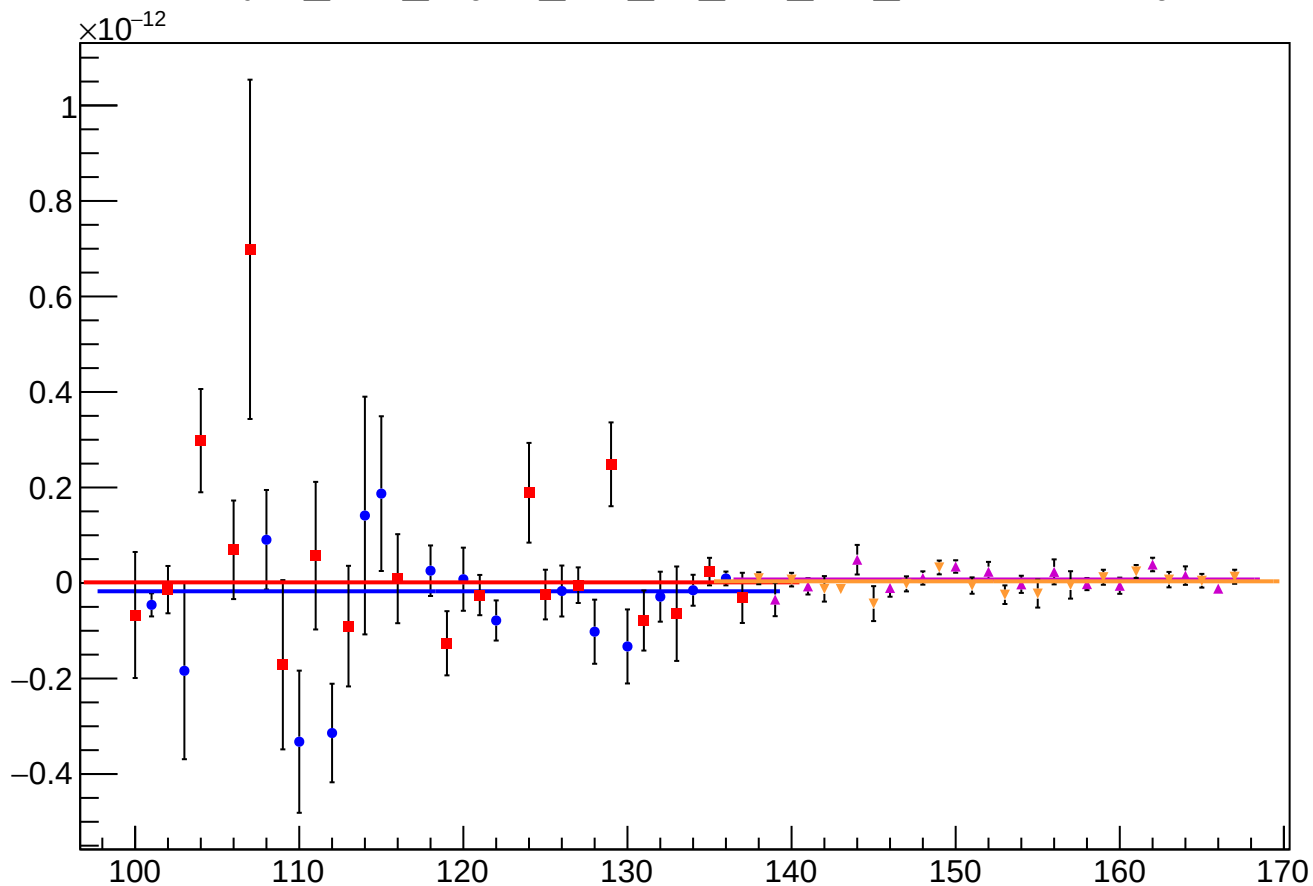
Left In: 59.681 $\pm$ 0.014 χ^2 /NDF: 921385.5/13

+ sign 59.299 $\pm$ 0.011 χ^2 /NDF: 4115734.3/30

All: 61.067 $\pm$ 0.008 χ^2 /NDF: 8242539.1/62

- sign 63.089 $\pm$ 0.012 χ^2 /NDF: 4073094.4/31

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 : 15.7/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.3/18

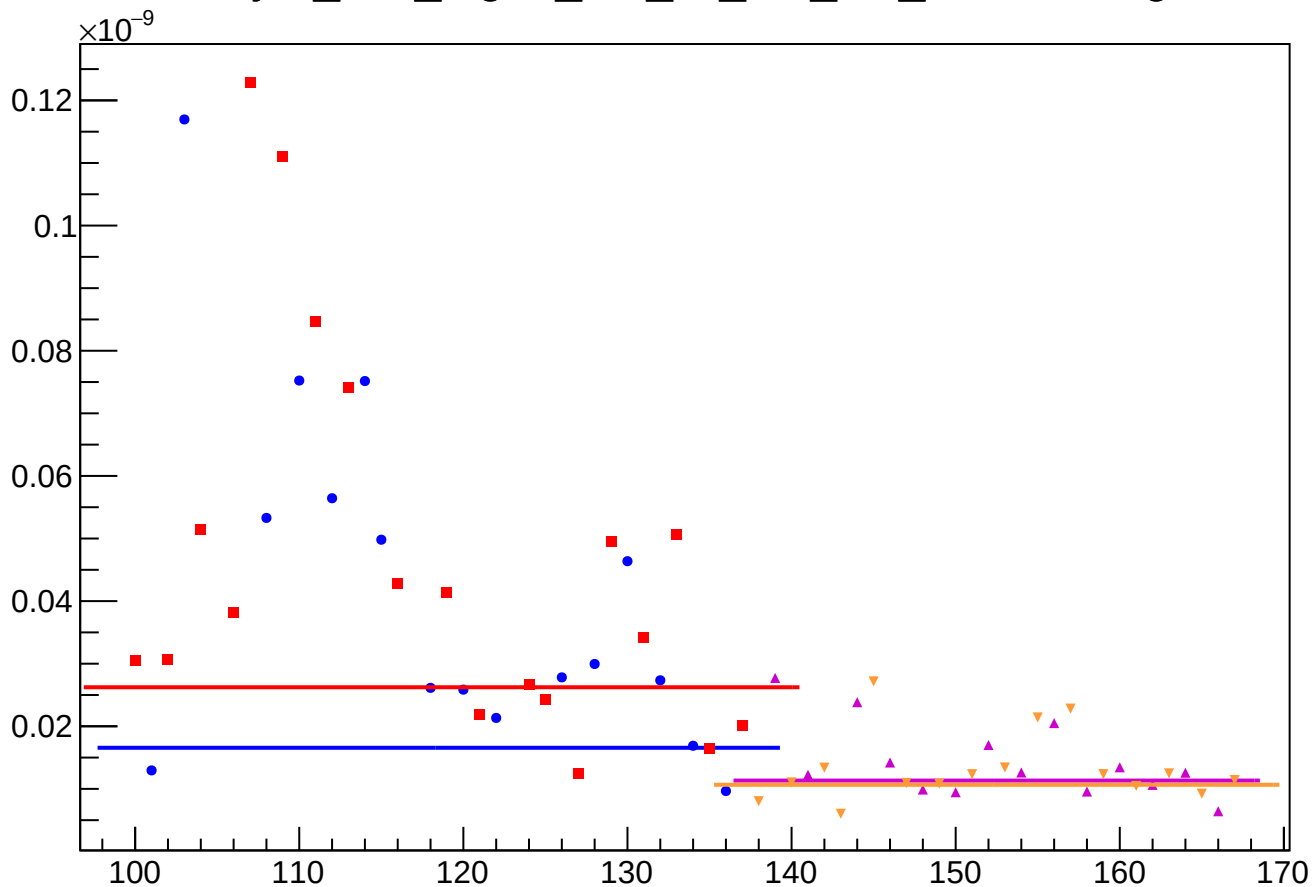
Left In: 0.000 ± 0.000 χ^2/NDF : 20.3/13

+ sign 0.000 ± 0.000 χ^2/NDF : 47.7/31

All: 0.000 ± 0.000 χ^2/NDF : 101.7/64

- sign 0.000 ± 0.000 χ^2/NDF : 52.8/32

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 :1773045.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2346394.7/18

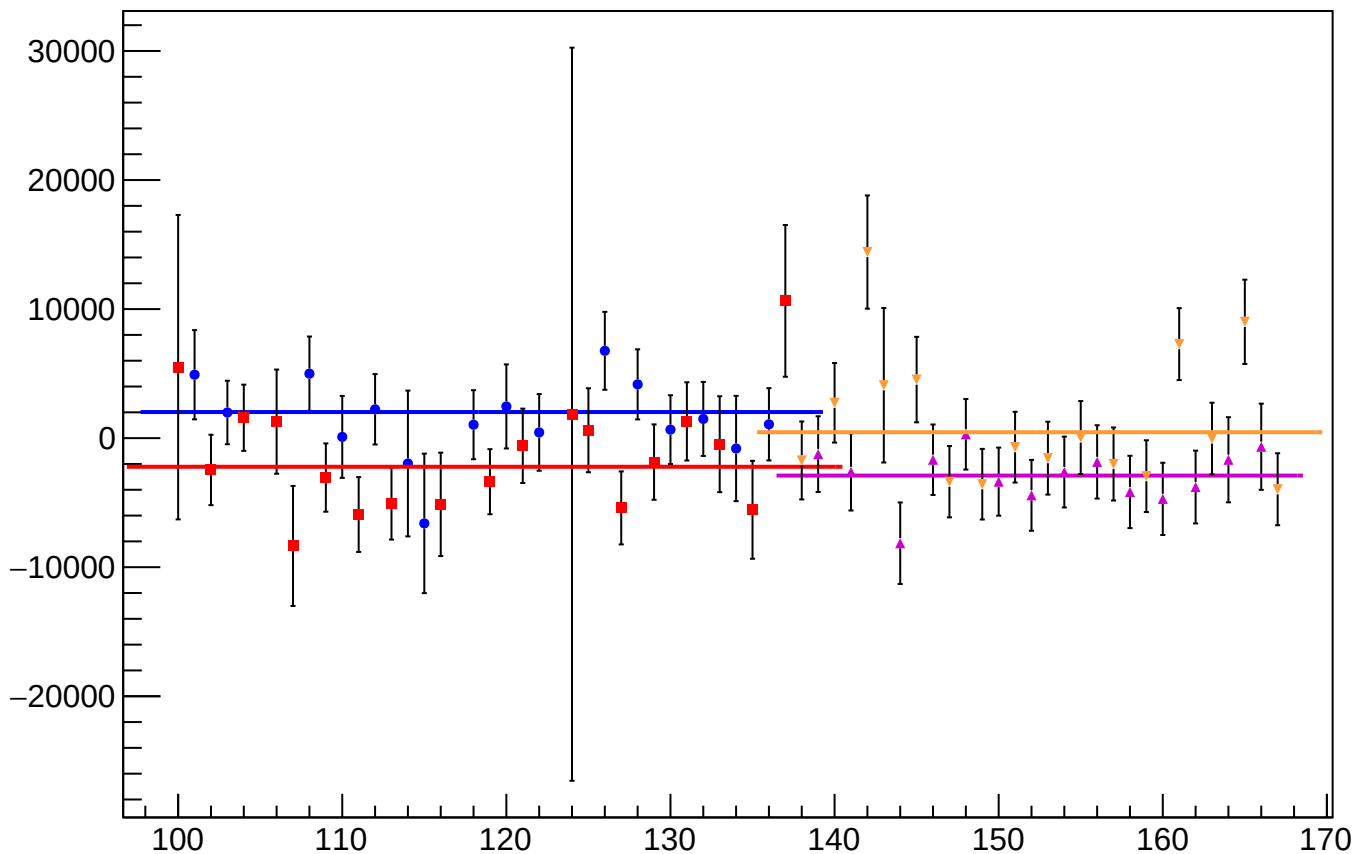
Left In: 0.000+/-0.000 χ^2/NDF :1840732.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 5203476.7/31

All: 0.000+/-0.000 χ^2/NDF : 11478050.1/64

- sign 0.000+/-0.000 χ^2/NDF : 6188497.1/32

reg_asym_atl2_mean vs Slug



Right In: 2022.690 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 460.006 $\pm$ 751.871 χ^2 /NDF:35.5/15

Right Out: -2217.261 $\pm$ 756.139 χ^2 /NDF: 18.1/18

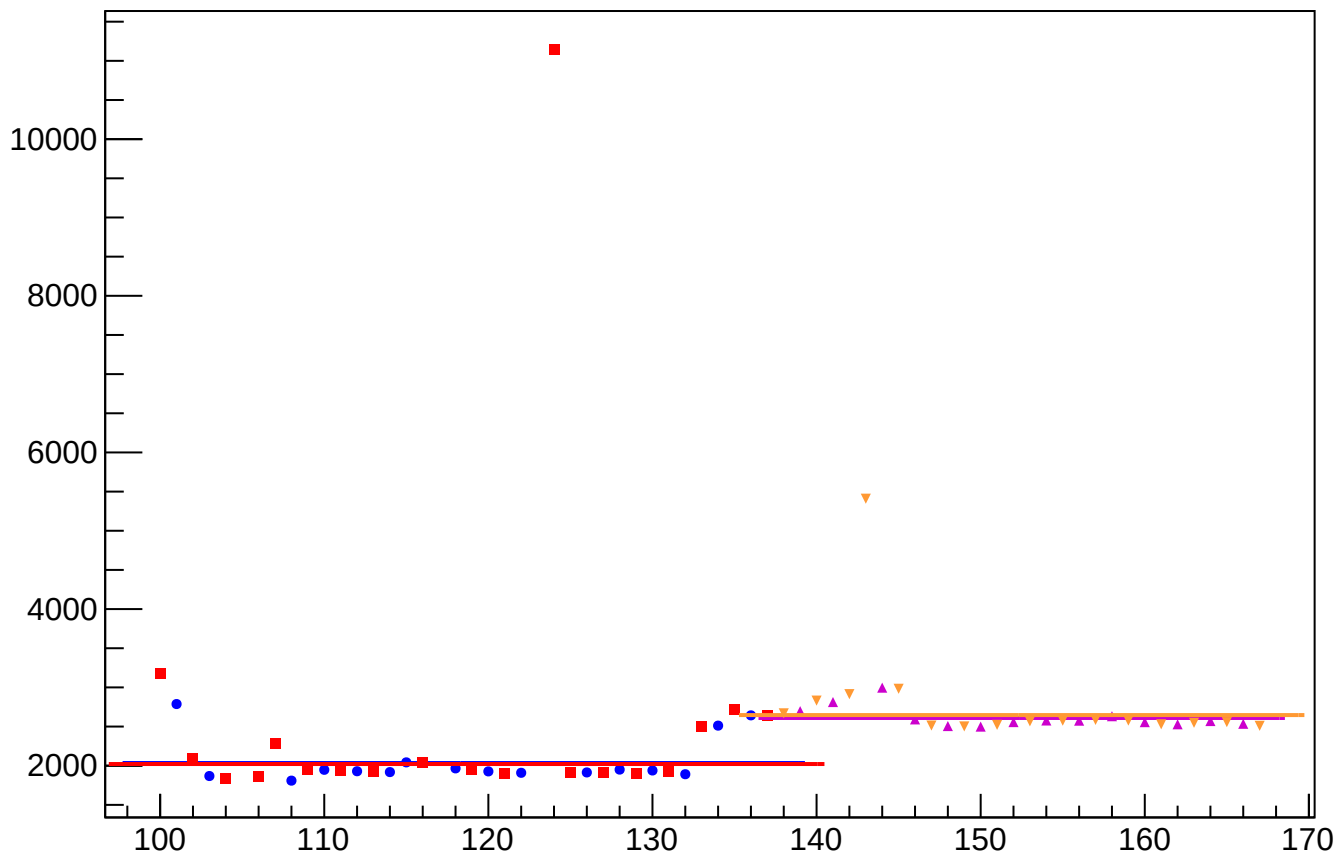
Left In: -2901.428 $\pm$ 768.913 χ^2 /NDF:6.4/13

+ sign 1228.480 $\pm$ 536.013 χ^2 /NDF: 47.3/31

All: -651.598 $\pm$ 380.116 χ^2 /NDF: 97.0/64

- sign -2553.614 $\pm$ 539.131 χ^2 /NDF: 25.0/32

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2 /NDF: 262960.7/15

Left Out: 2646.574+/-0.532 χ^2 /NDF: 493113.2/15

Right Out: 2021.545+/-0.535 χ^2 /NDF: 390321.3/18

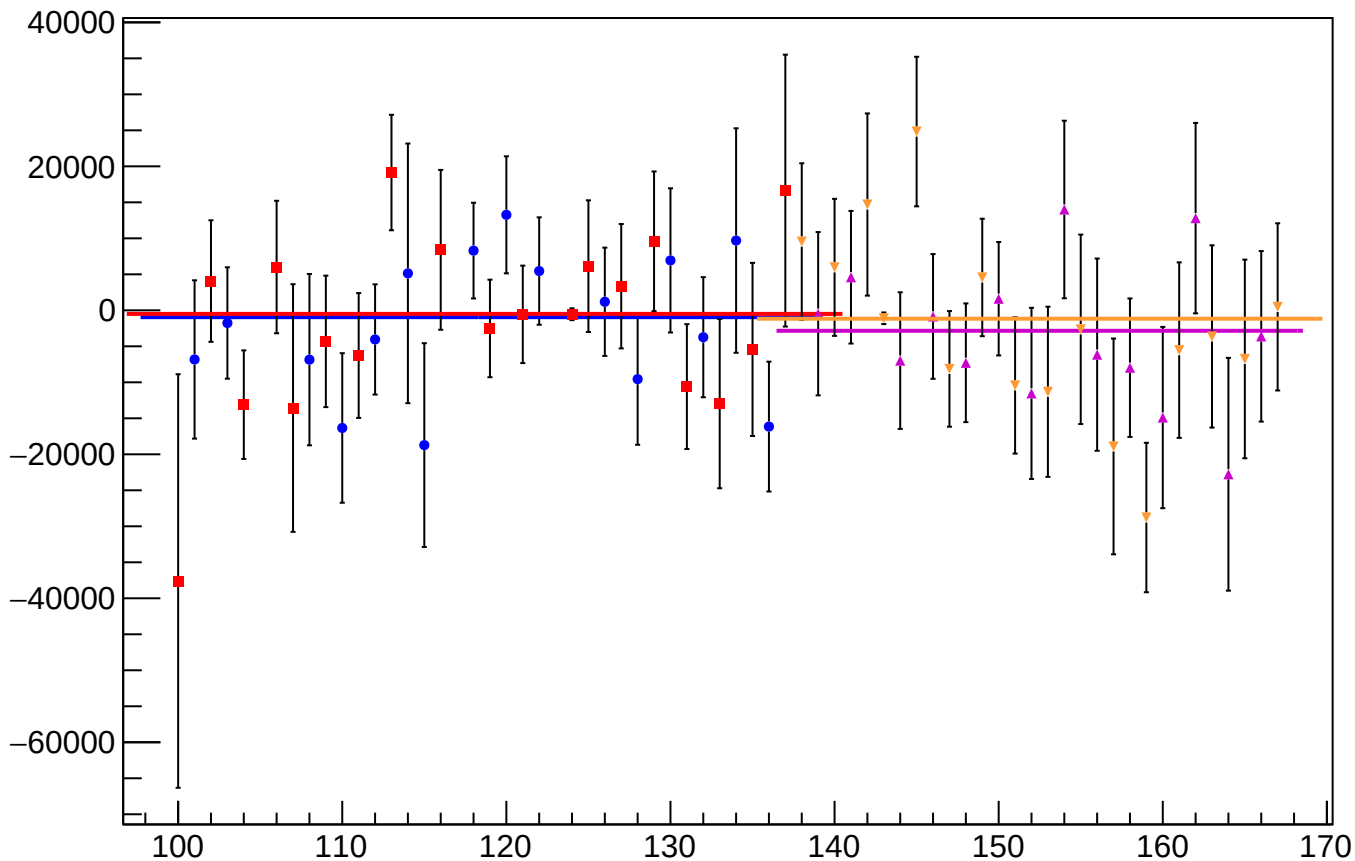
Left In: 2609.565+/-0.544 χ^2 /NDF: 52530.9/13

+ sign 2345.409+/-0.379 χ^2 /NDF: 1408593.6/31

All: 2328.120+/-0.269 χ^2 /NDF: 2450257.7/64

- sign 2310.630+/-0.381 χ^2 /NDF: 1037478.4/32

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519 ± 2278.532 $\chi^2/\text{NDF}: 15.3/15$

Left Out: -1164.911 ± 775.232 $\chi^2/\text{NDF}: 21.2/15$

Right Out: -497.346 ± 768.286 $\chi^2/\text{NDF}: 18.5/18$

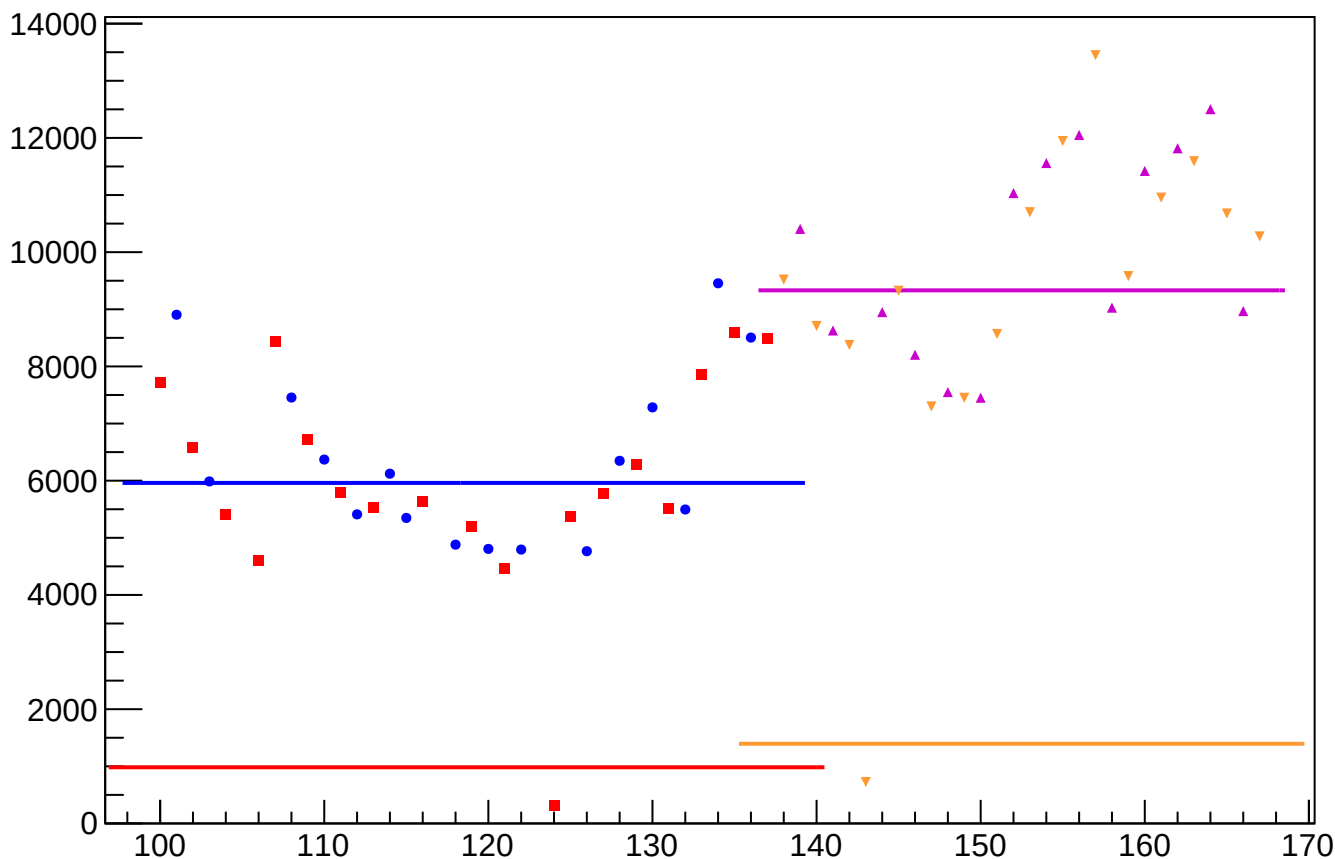
Left In: -2842.090 ± 2796.457 $\chi^2/\text{NDF}: 8.1/13$

+ sign -1142.668 ± 733.916 $\chi^2/\text{NDF}: 36.5/31$

All: -904.543 ± 521.386 $\chi^2/\text{NDF}: 64.0/64$

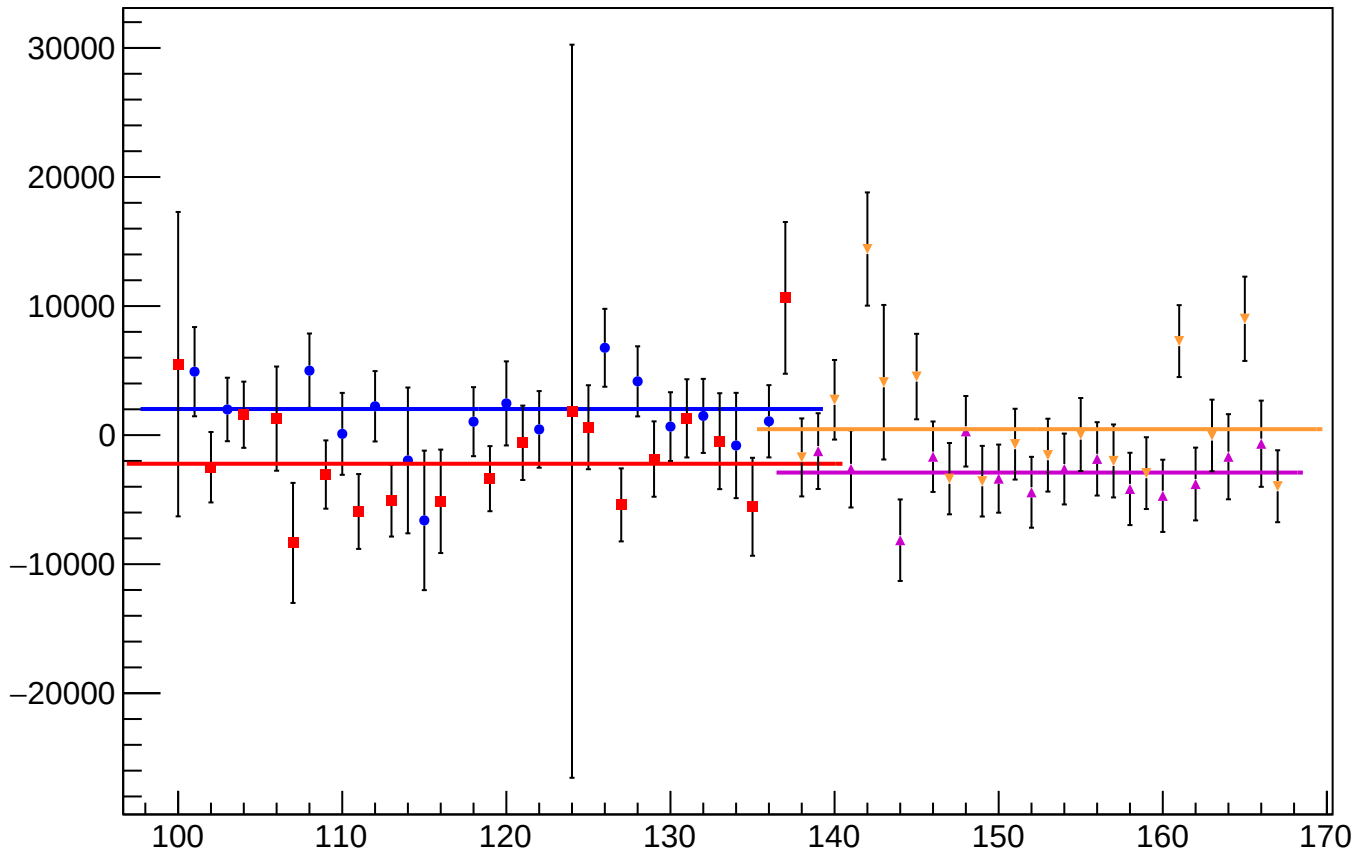
- sign -661.906 ± 740.836 $\chi^2/\text{NDF}: 27.2/32$

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611	χ^2/NDF : 689267.6/15	+ sign 1868.891+/-0.519	χ^2/NDF : 26331477.0/31
Left Out: 1395.218+/-0.548	χ^2/NDF : 18445362.4/15	All: 1720.462+/-0.369	χ^2/NDF : 55156446.3/6
Right Out: 983.316+/-0.543	χ^2/NDF : 11416689.8/18	- sign 1569.220+/-0.524	χ^2/NDF : 28659809.8/32
Left In: 9331.620+/-1.977	χ^2/NDF : 669860.8/13		

cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 460.060 $\pm$ 751.871 χ^2 /NDF:35.5/15

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

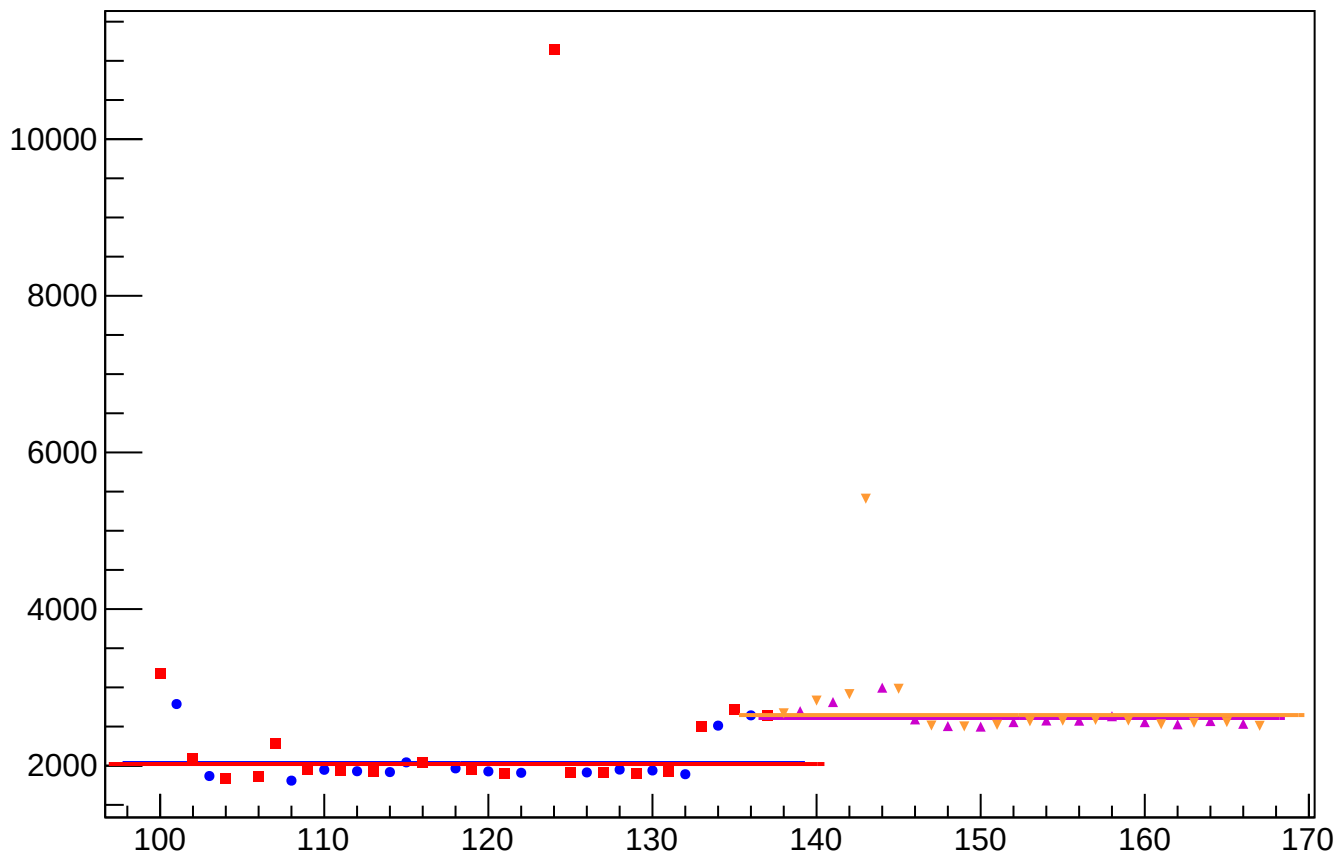
Left In: -2901.587 $\pm$ 768.913 χ^2 /NDF:6.5/13

+ sign 1228.570 $\pm$ 536.013 χ^2 /NDF: 47.3/31

All: -652.049 $\pm$ 380.117 χ^2 /NDF: 97.0/64

- sign -2554.631 $\pm$ 539.134 χ^2 /NDF: 25.0/32

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF : 493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF : 390333.0/18

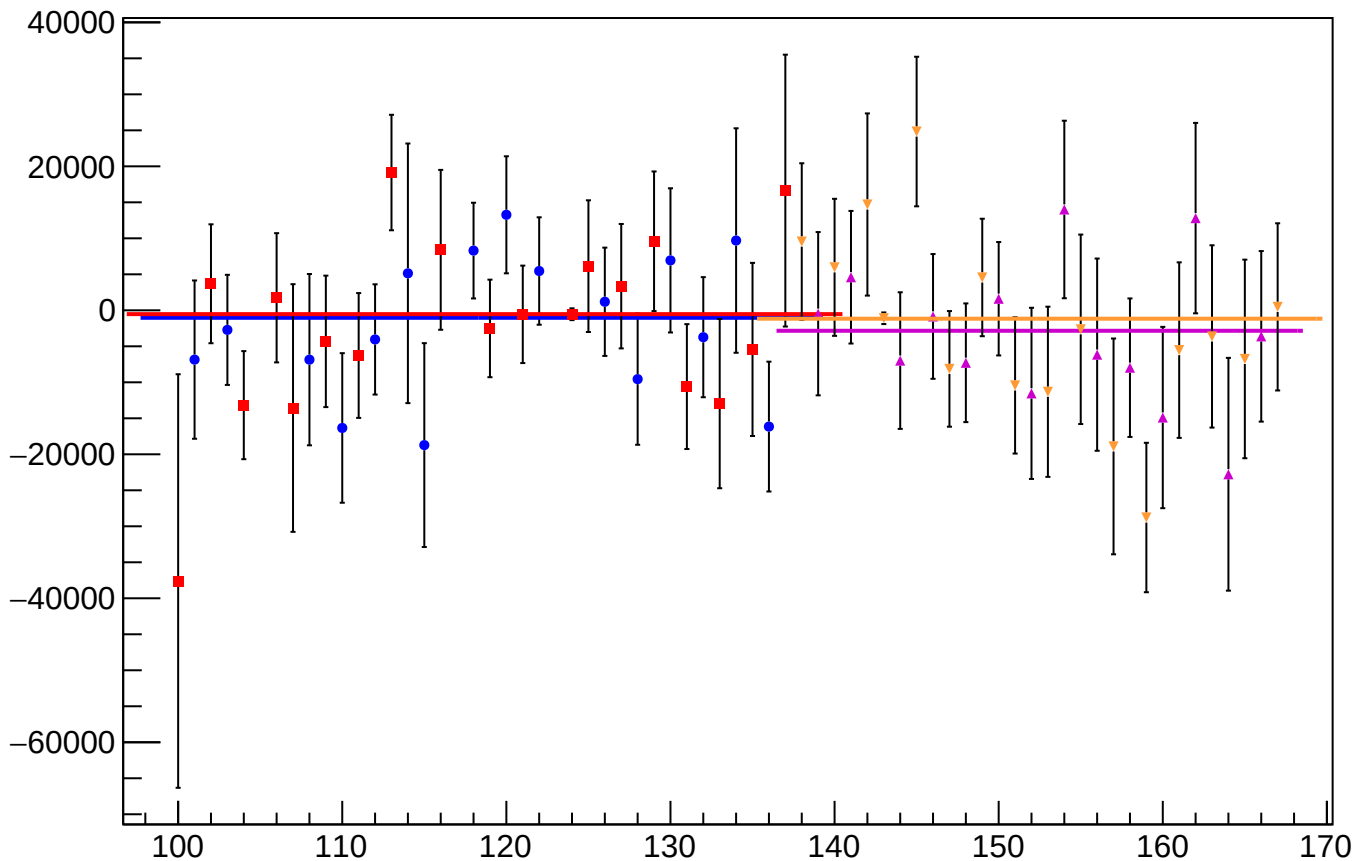
Left In: 2609.565+/-0.544 χ^2/NDF : 52530.9/13

+ sign 2345.409+/-0.379 χ^2/NDF : 1408593.8/31

All: 2328.127+/-0.269 χ^2/NDF : 2450216.8/64

- sign 2310.644+/-0.381 χ^2/NDF : 1037440.7/32

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 $\chi^2/\text{NDF}: 15.4/15$

Left Out: -1164.663 ± 775.163 $\chi^2/\text{NDF}: 21.2/15$

Right Out: -530.662 ± 767.947 $\chi^2/\text{NDF}: 18.0/18$

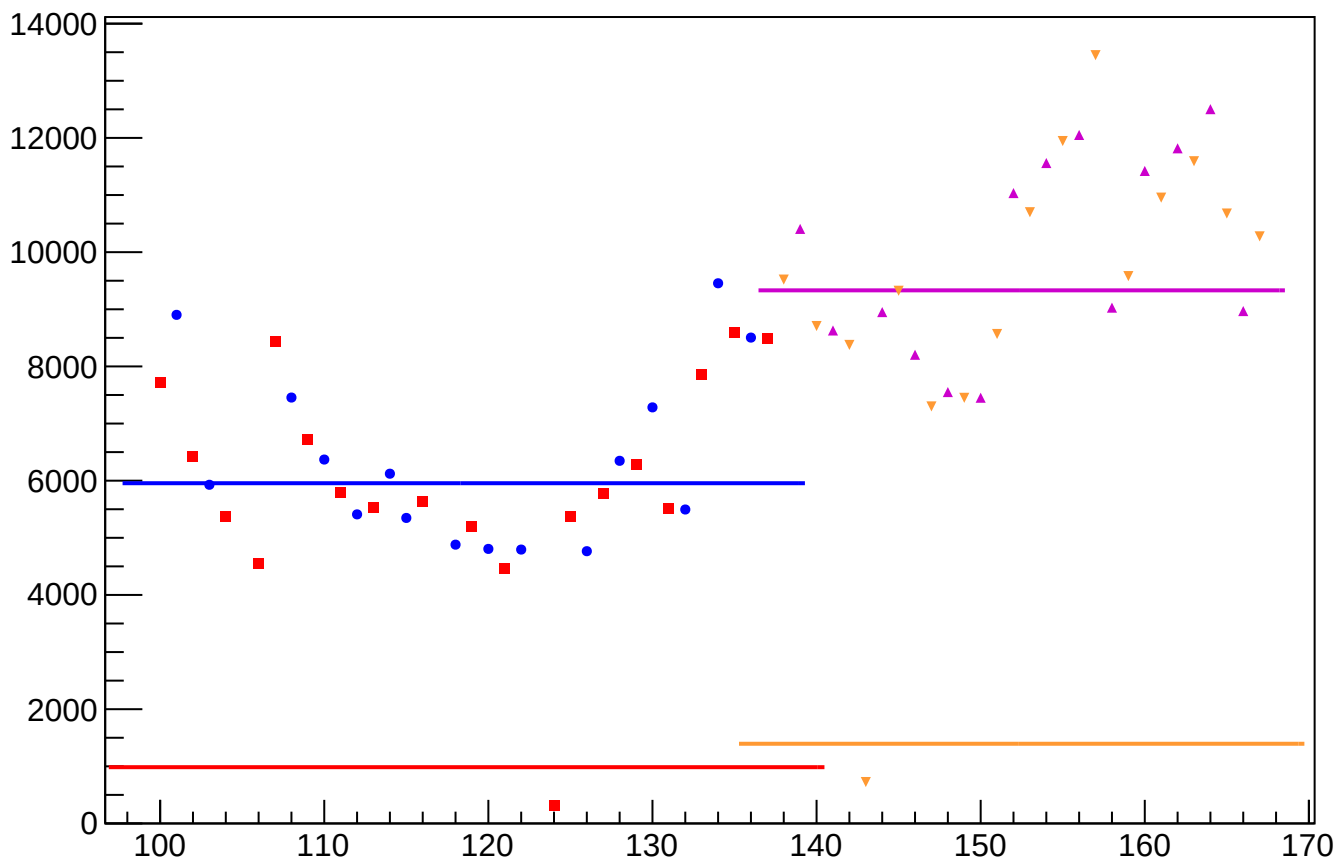
Left In: -2842.259 ± 2796.455 $\chi^2/\text{NDF}: 8.1/13$

+ sign -1151.494 ± 733.779 $\chi^2/\text{NDF}: 36.5/31$

All: -924.229 ± 521.231 $\chi^2/\text{NDF}: 63.5/64$

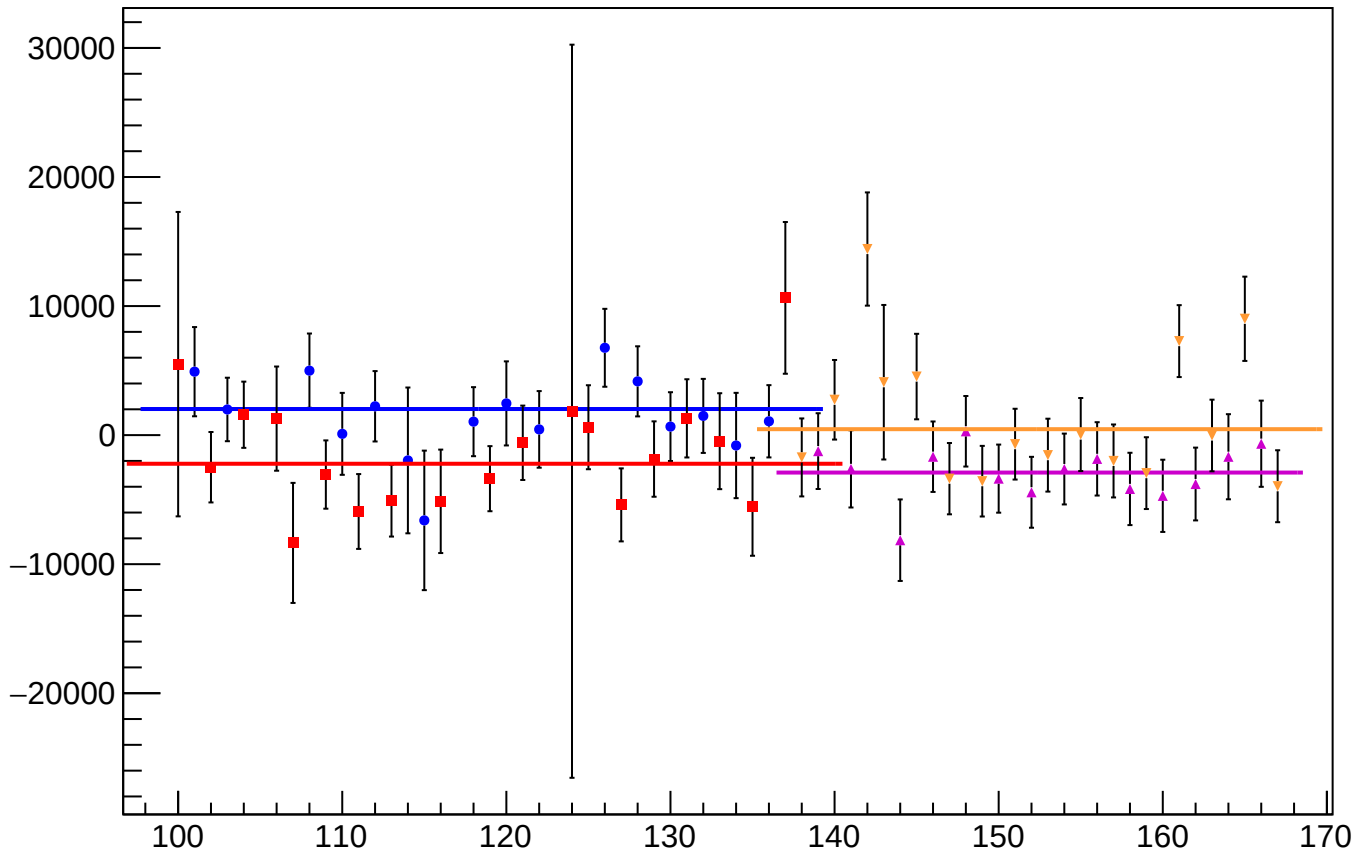
- sign -692.762 ± 740.532 $\chi^2/\text{NDF}: 26.8/32$

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610	χ^2/NDF : 689141.5/15	+ sign 1868.992+/-0.519	χ^2/NDF : 26329641.4/31
Left Out: 1395.035+/-0.548	χ^2/NDF : 18445910.8/15	All: 1721.037+/-0.369	χ^2/NDF : 55143897.1/6
Right Out: 985.045+/-0.543	χ^2/NDF : 11412843.1/18	- sign 1570.346+/-0.524	χ^2/NDF : 28650126.1/32
Left In: 9331.610+/-1.977	χ^2/NDF : 669866.7/13		

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF : 9.6/15

Left Out: 460.060+/-751.871 χ^2/NDF : 35.5/15

Right Out: -2219.099+/-756.147 χ^2/NDF : 18.1/18

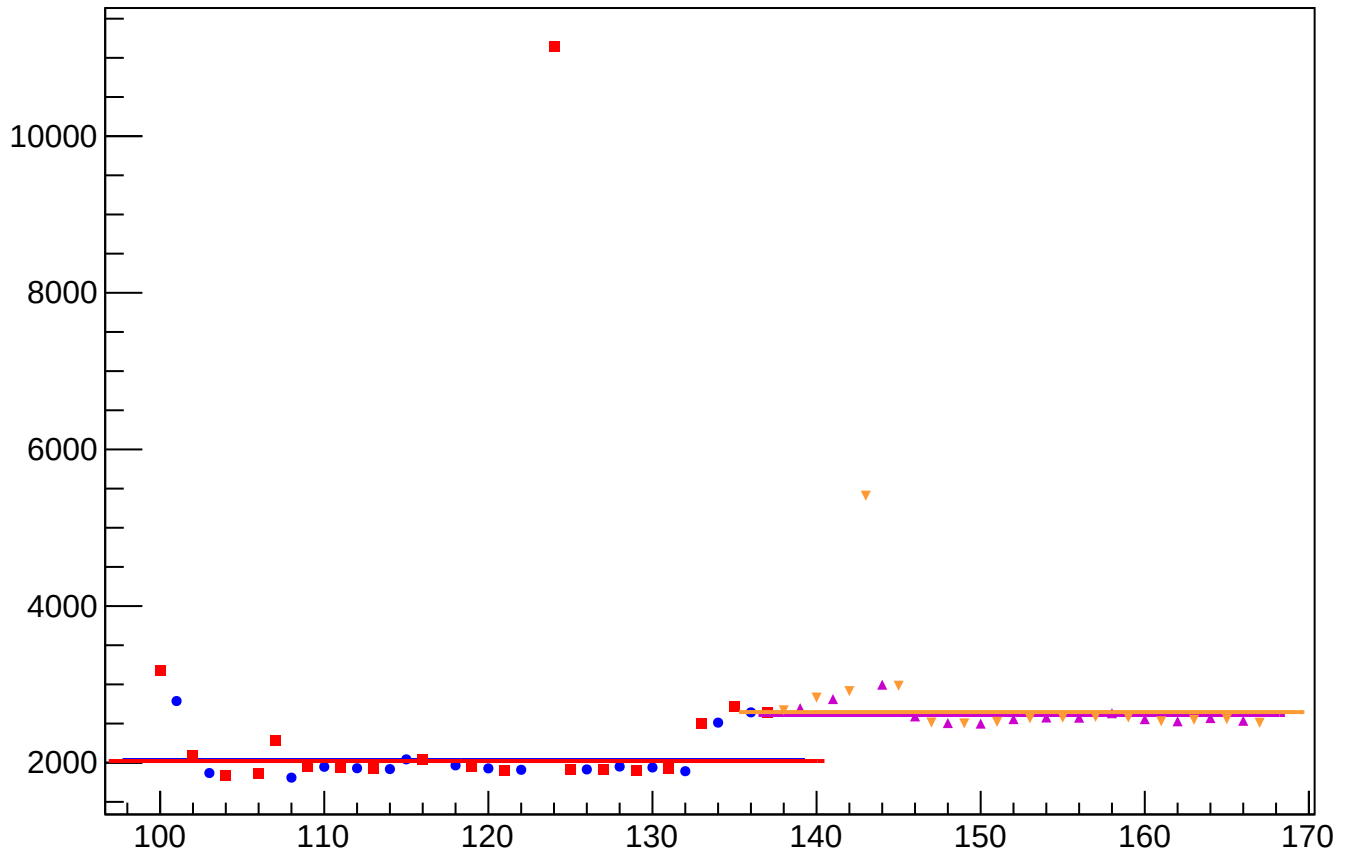
Left In: -2901.587+/-768.913 χ^2/NDF : 6.5/13

+ sign 1228.570+/-536.013 χ^2/NDF : 47.3/31

All: -652.049+/-380.117 χ^2/NDF : 97.0/64

- sign -2554.631+/-539.134 χ^2/NDF : 25.0/32

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF : 493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF : 390333.0/18

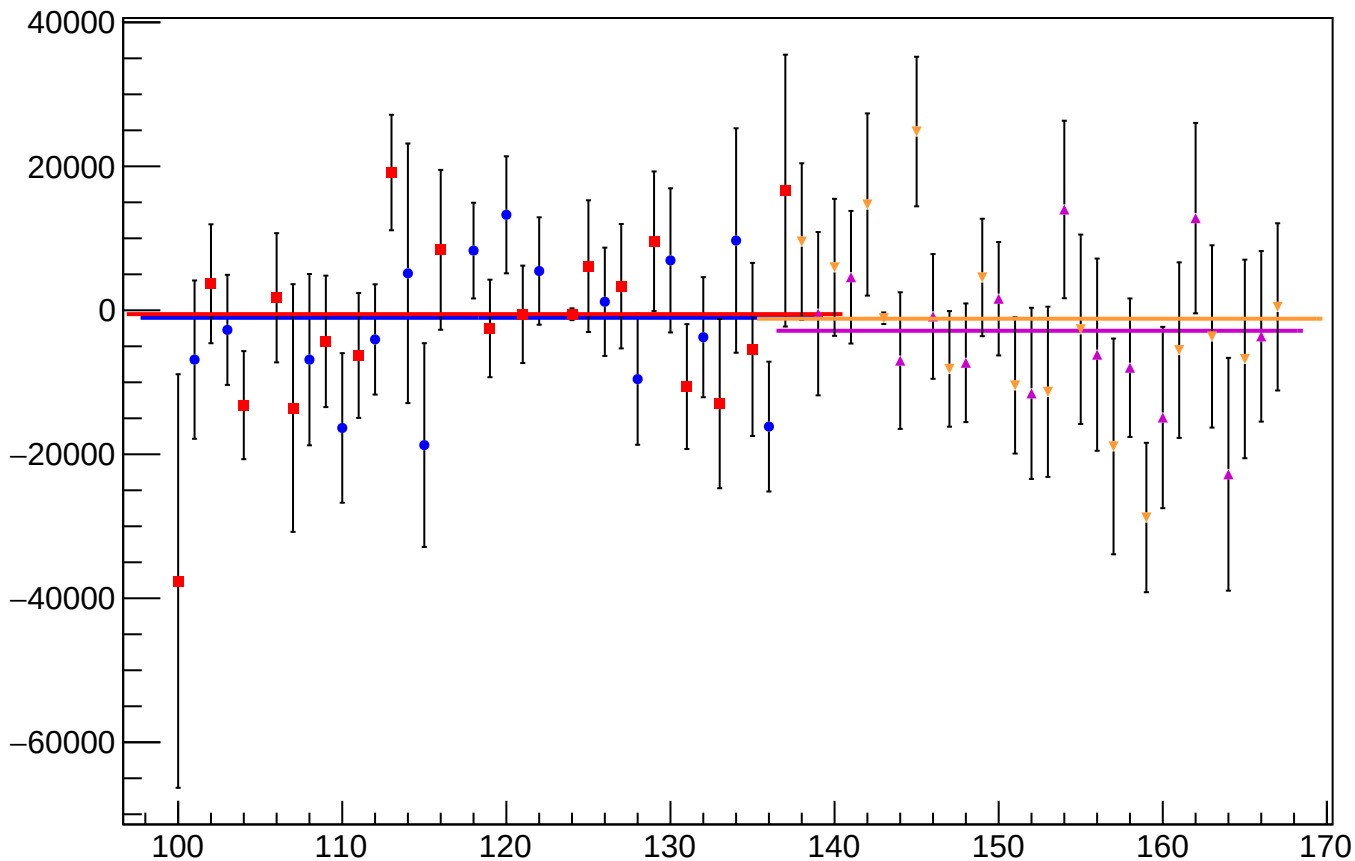
Left In: 2609.565+/-0.544 χ^2/NDF : 52530.9/13

+ sign 2345.409+/-0.379 χ^2/NDF : 1408593.8/31

All: 2328.127+/-0.269 χ^2/NDF : 2450216.8/64

- sign 2310.644+/-0.381 χ^2/NDF : 1037440.7/32

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 $\chi^2/\text{NDF}: 15.4/15$

Left Out: -1164.663 ± 775.163 $\chi^2/\text{NDF}: 21.2/15$

Right Out: -530.662 ± 767.947 $\chi^2/\text{NDF}: 18.0/18$

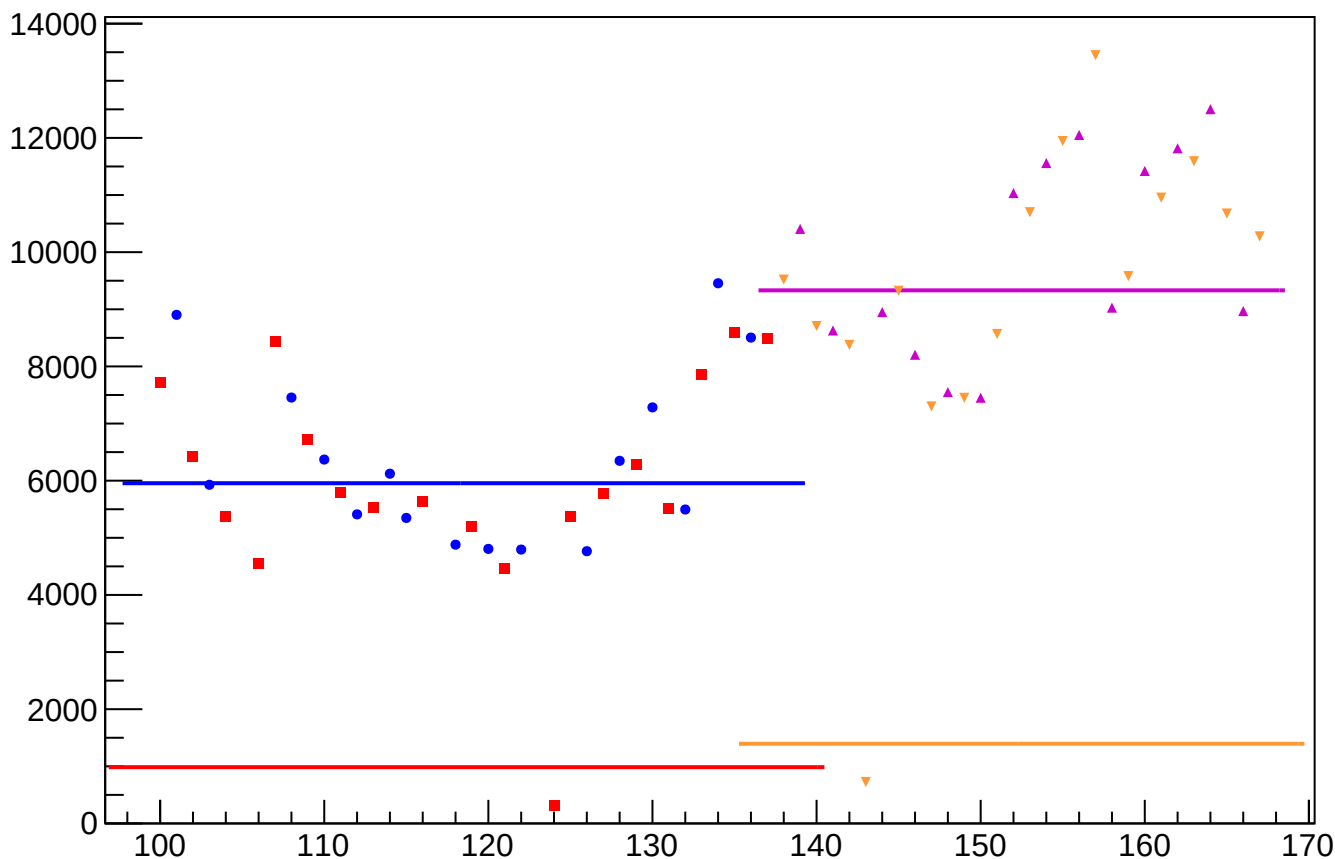
Left In: -2842.259 ± 2796.455 $\chi^2/\text{NDF}: 8.1/13$

+ sign -1151.494 ± 733.779 $\chi^2/\text{NDF}: 36.5/31$

All: -924.229 ± 521.231 $\chi^2/\text{NDF}: 63.5/64$

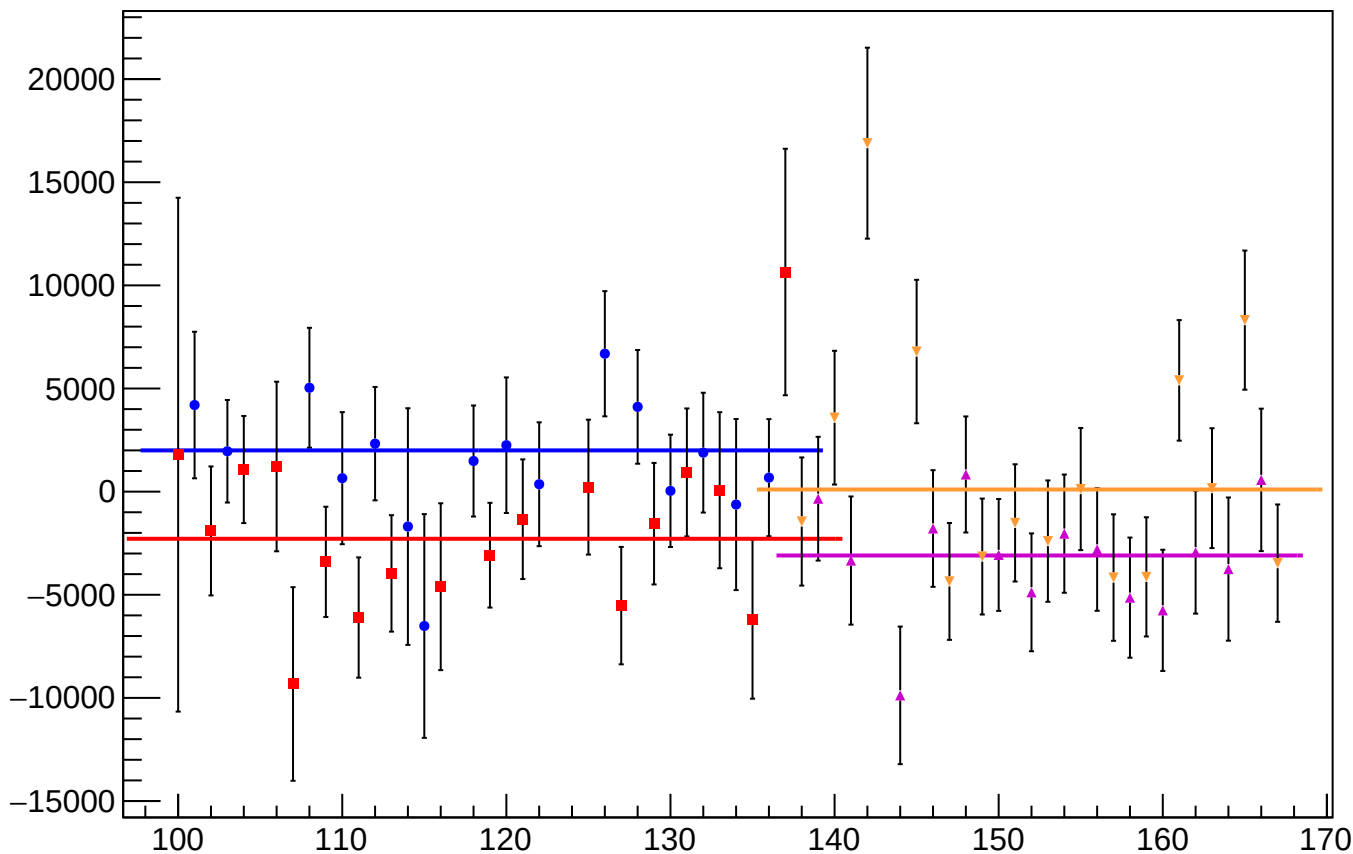
- sign -692.762 ± 740.532 $\chi^2/\text{NDF}: 26.8/32$

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610	χ^2/NDF : 689141.5/15	+ sign 1868.992+/-0.519	χ^2/NDF : 26329641.4/31
Left Out: 1395.035+/-0.548	χ^2/NDF : 18445910.8/15	All: 1721.037+/-0.369	χ^2/NDF : 55143897.1/6
Right Out: 985.045+/-0.543	χ^2/NDF : 11412843.1/18	- sign 1570.346+/-0.524	χ^2/NDF : 28650126.1/32
Left In: 9331.610+/-1.977	χ^2/NDF : 669866.7/13		

dit_asym_atl2_mean vs Slug



Right In: 1999.214 ± 773.538 $\chi^2/\text{NDF}: 9.0/15$

Left Out: 103.262 ± 789.117 $\chi^2/\text{NDF}: 38.0/14$

Right Out: -2285.899 ± 771.299 $\chi^2/\text{NDF}: 16.7/17$

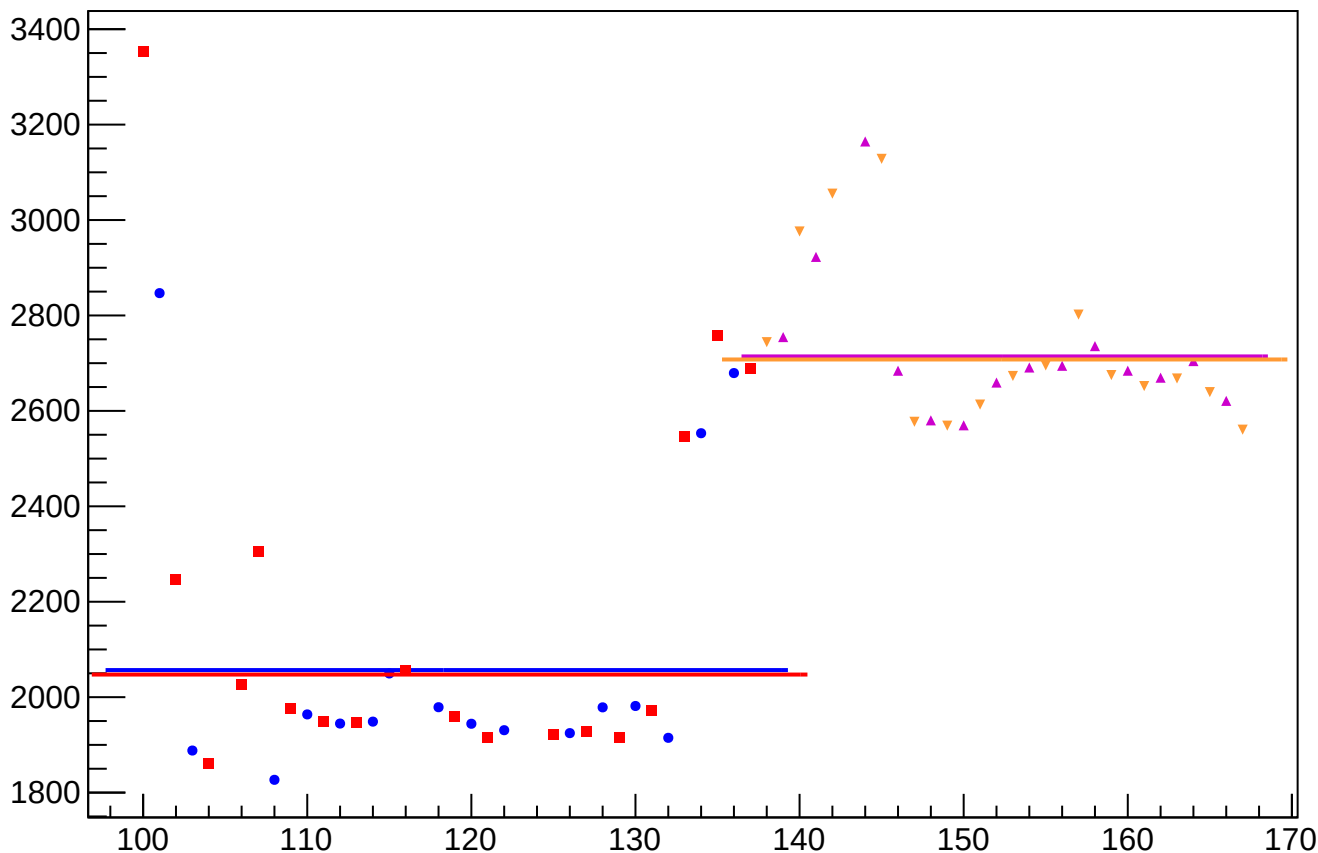
Left In: -3096.045 ± 799.947 $\chi^2/\text{NDF}: 10.2/13$

+ sign 1070.138 ± 552.400 $\chi^2/\text{NDF}: 49.9/30$

All: -793.419 ± 391.607 $\chi^2/\text{NDF}: 100.2/62$

- sign -2676.206 ± 555.242 $\chi^2/\text{NDF}: 27.4/31$

dit_asym_atl2_rms vs Slug



Right In: 2056.796 $\pm$ 0.547 χ^2 /NDF: 270454.5/15

Left Out: 2707.745 $\pm$ 0.558 χ^2 /NDF: 75550.7/14

Right Out: 2047.400 $\pm$ 0.545 χ^2 /NDF: 196523.0/17

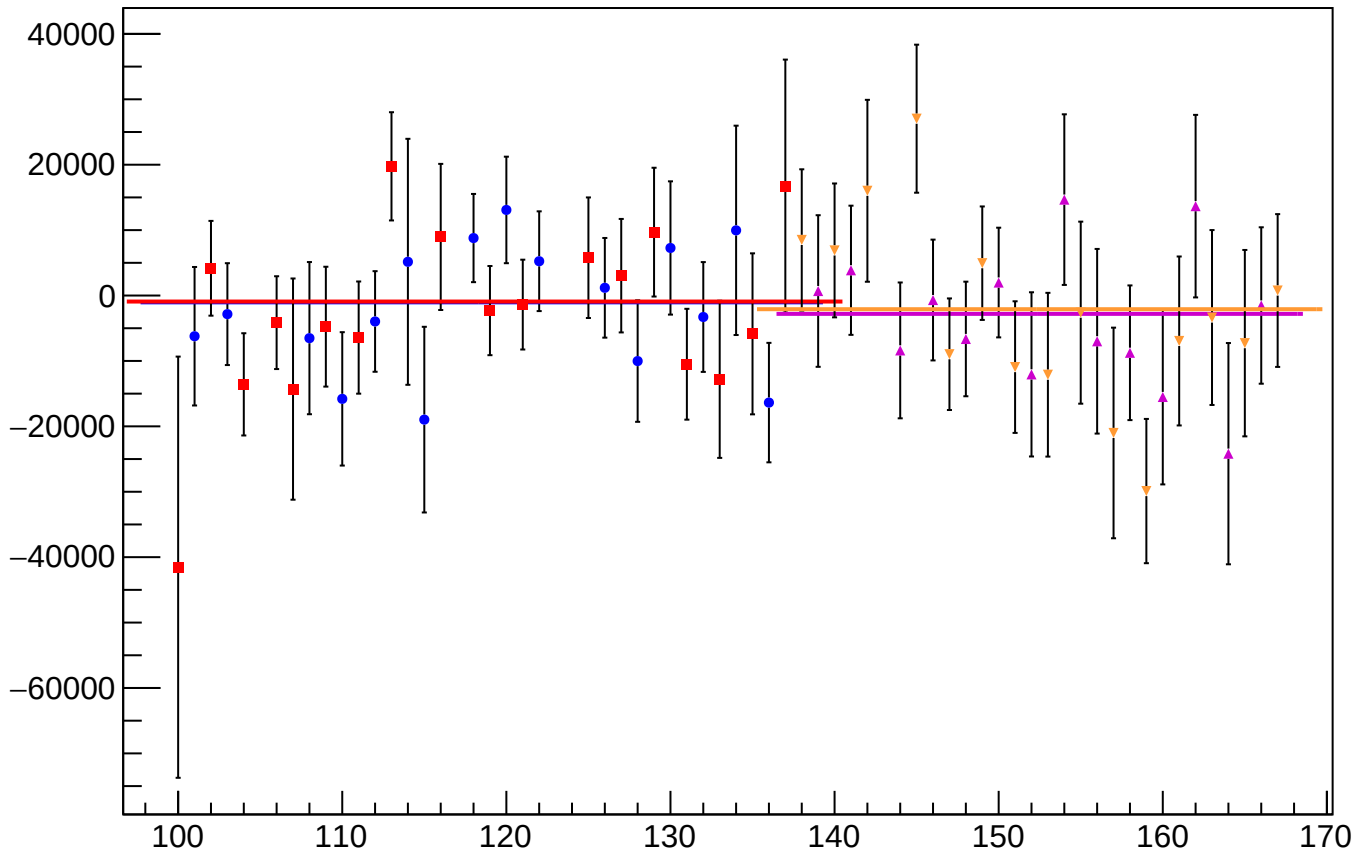
Left In: 2714.157 $\pm$ 0.566 χ^2 /NDF: 59478.1/13

+ sign 2375.781 $\pm$ 0.391 χ^2 /NDF: 1040047.4/30

All: 2371.969 $\pm$ 0.277 χ^2 /NDF: 2017338.1/62

- sign 2368.123 $\pm$ 0.392 χ^2 /NDF: 977099.4/31

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515 ± 2294.607 χ^2/NDF : 15.3/15

Left Out: -2090.224 ± 2942.601 χ^2/NDF : 20.9/14

Right Out: -919.663 ± 2150.895 χ^2/NDF : 18.4/17

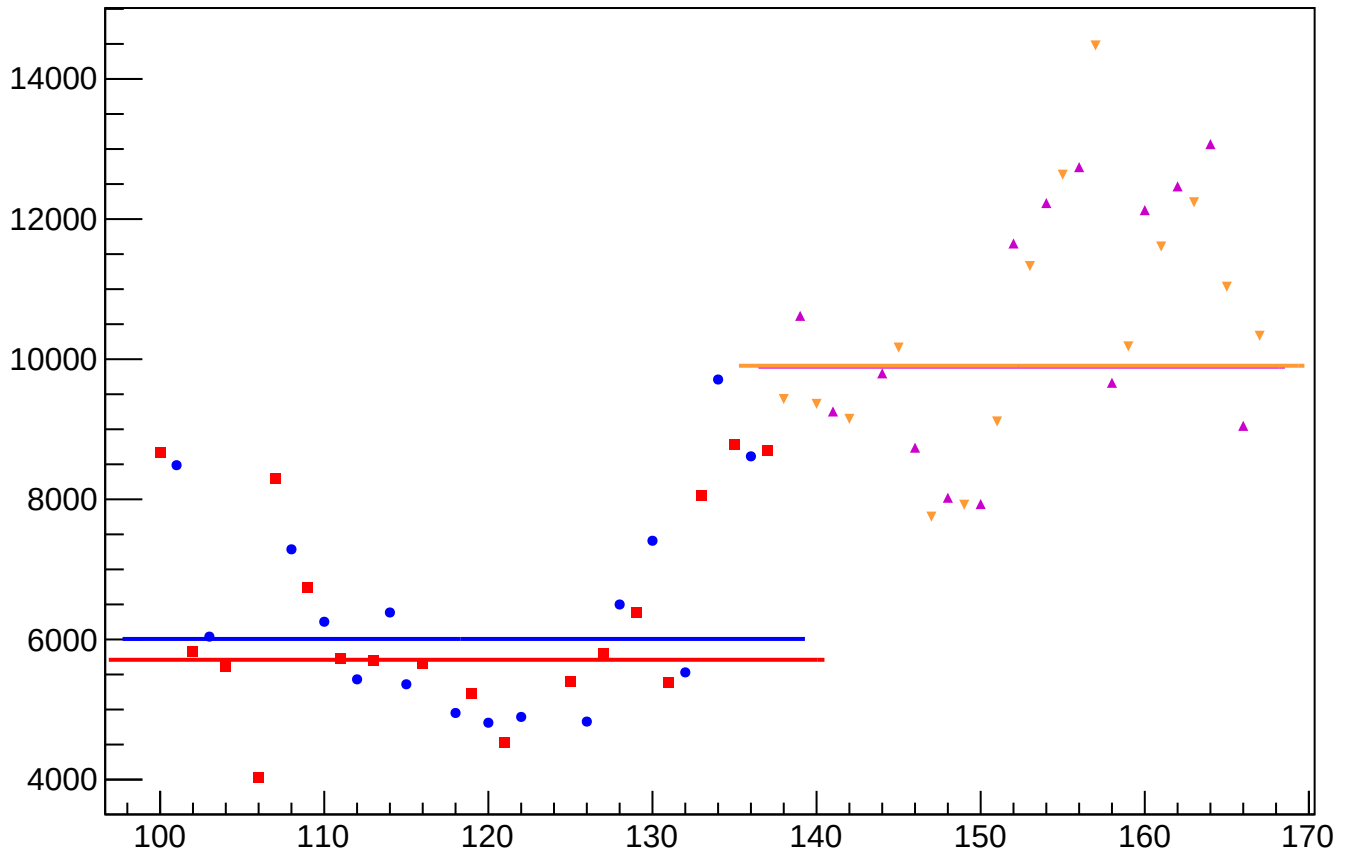
Left In: -2802.791 ± 2963.579 χ^2/NDF : 8.1/13

+ sign -1438.692 ± 1809.488 χ^2/NDF : 36.3/30

All: -1506.560 ± 1254.491 χ^2/NDF : 62.9/62

- sign -1569.369 ± 1740.745 χ^2/NDF : 26.7/31

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF : 653996.7/15

Left Out: 9906.909+/-2.081 χ^2/NDF : 637142.3/14

Right Out: 5709.903+/-1.521 χ^2/NDF : 535926.2/17

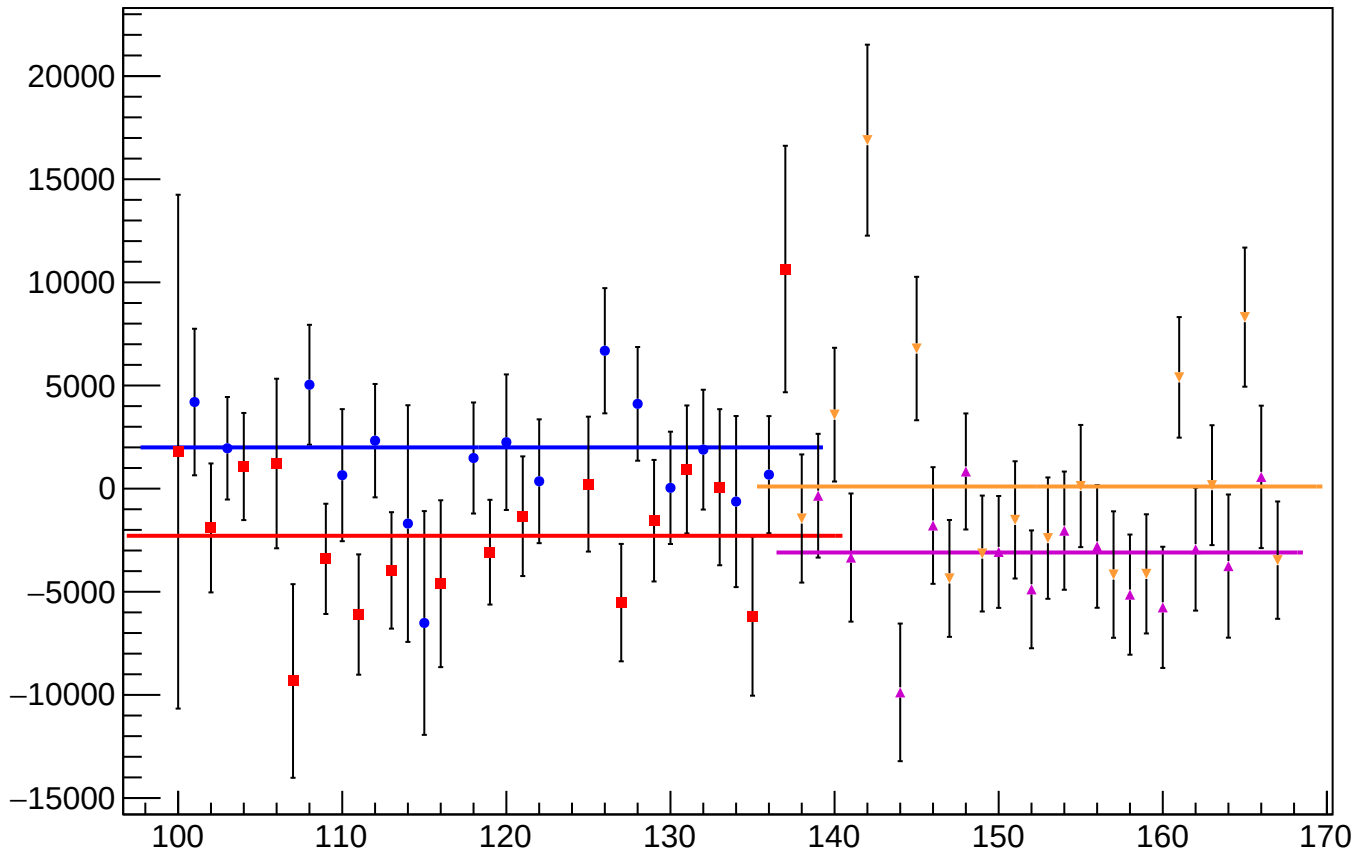
Left In: 9894.326+/-2.096 χ^2/NDF : 638461.6/13

+ sign 7481.963+/-1.280 χ^2/NDF : 3475259.9/30

All: 7311.420+/-0.887 χ^2/NDF : 7295415.2/62

- sign 7153.588+/-1.231 χ^2/NDF : 3785947.6/31

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218 ± 773.538 χ^2/NDF : 9.0/15

Left Out: 103.251 ± 789.118 χ^2/NDF : 38.0/14

Right Out: -2285.903 ± 771.299 χ^2/NDF : 16.7/17

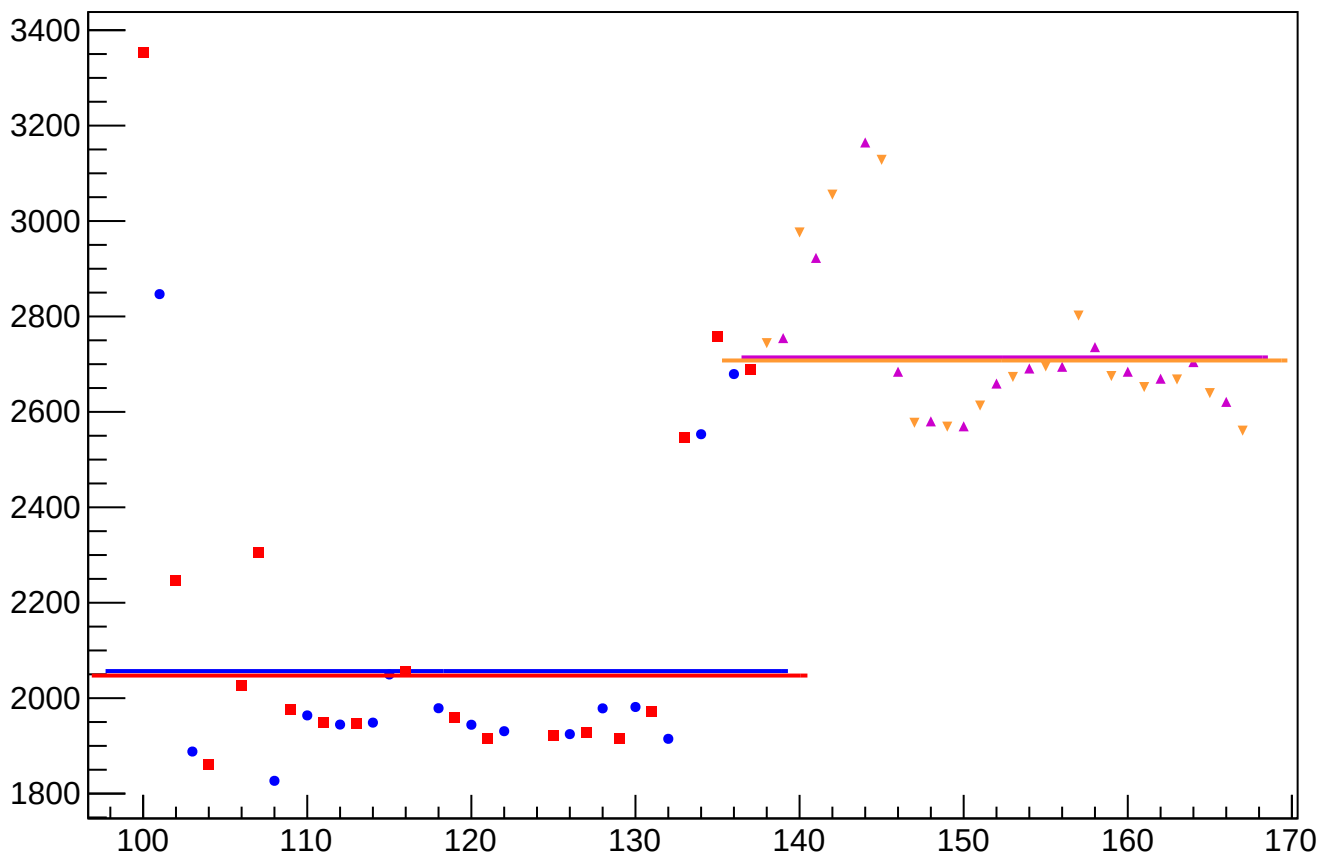
Left In: -3096.047 ± 799.948 χ^2/NDF : 10.2/13

+ sign 1070.136 ± 552.400 χ^2/NDF : 49.9/30

All: -793.421 ± 391.607 χ^2/NDF : 100.2/62

- sign -2676.208 ± 555.243 χ^2/NDF : 27.4/31

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796 ± 0.547 χ^2/NDF : 270454.5/15

Left Out: 2707.748 ± 0.558 χ^2/NDF : 75552.1/14

Right Out: 2047.400 ± 0.545 χ^2/NDF : 196523.3/17

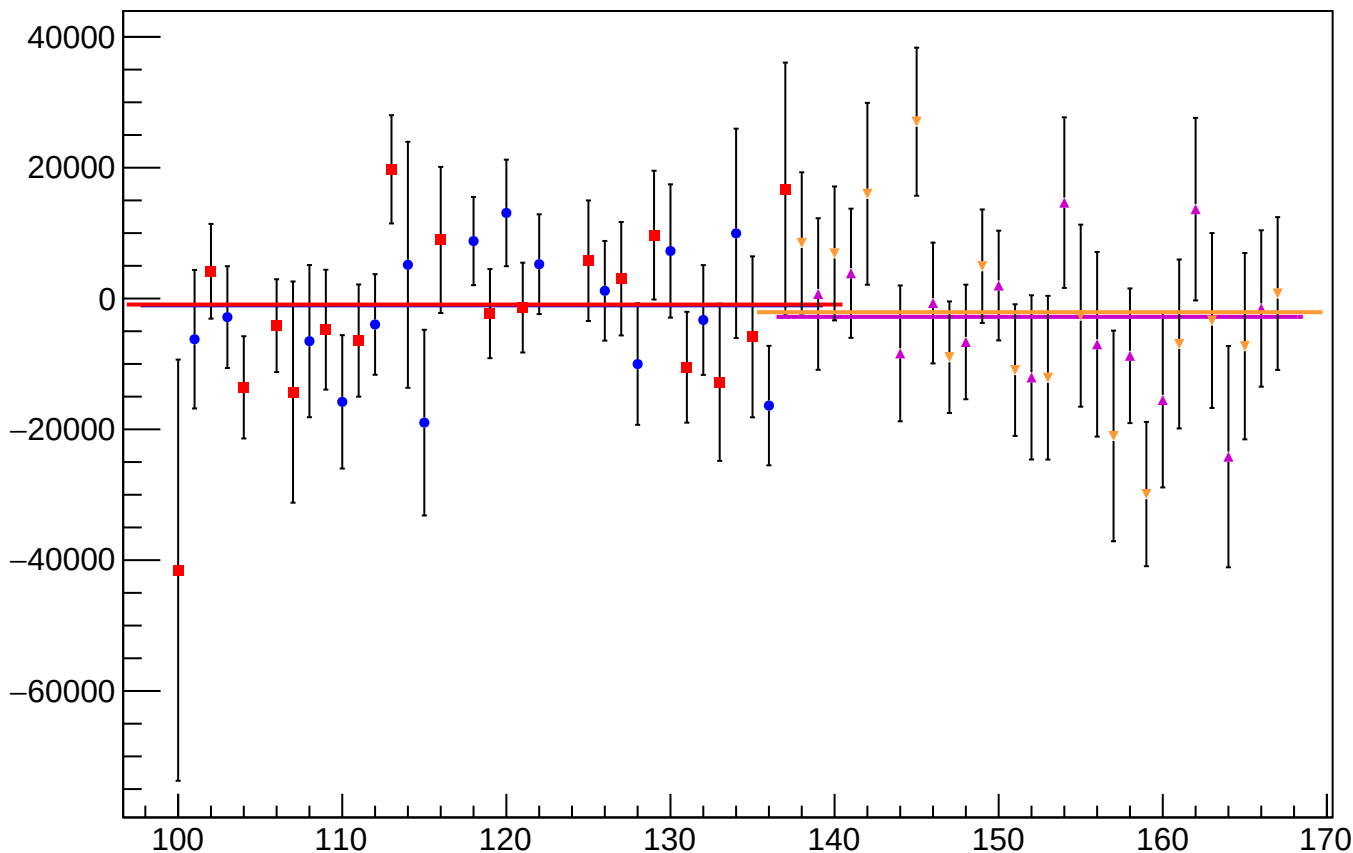
Left In: 2714.160 ± 0.566 χ^2/NDF : 59478.7/13

+ sign 2375.782 ± 0.391 χ^2/NDF : 1040053.7/30

All: 2371.970 ± 0.277 χ^2/NDF : 2017351.3/62

- sign 2368.124 ± 0.392 χ^2/NDF : 977106.2/31

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503 ± 2294.600 χ^2/NDF : 15.3/15

Left Out: -2090.236 ± 2942.605 χ^2/NDF : 20.9/14

Right Out: -919.667 ± 2150.889 χ^2/NDF : 18.4/17

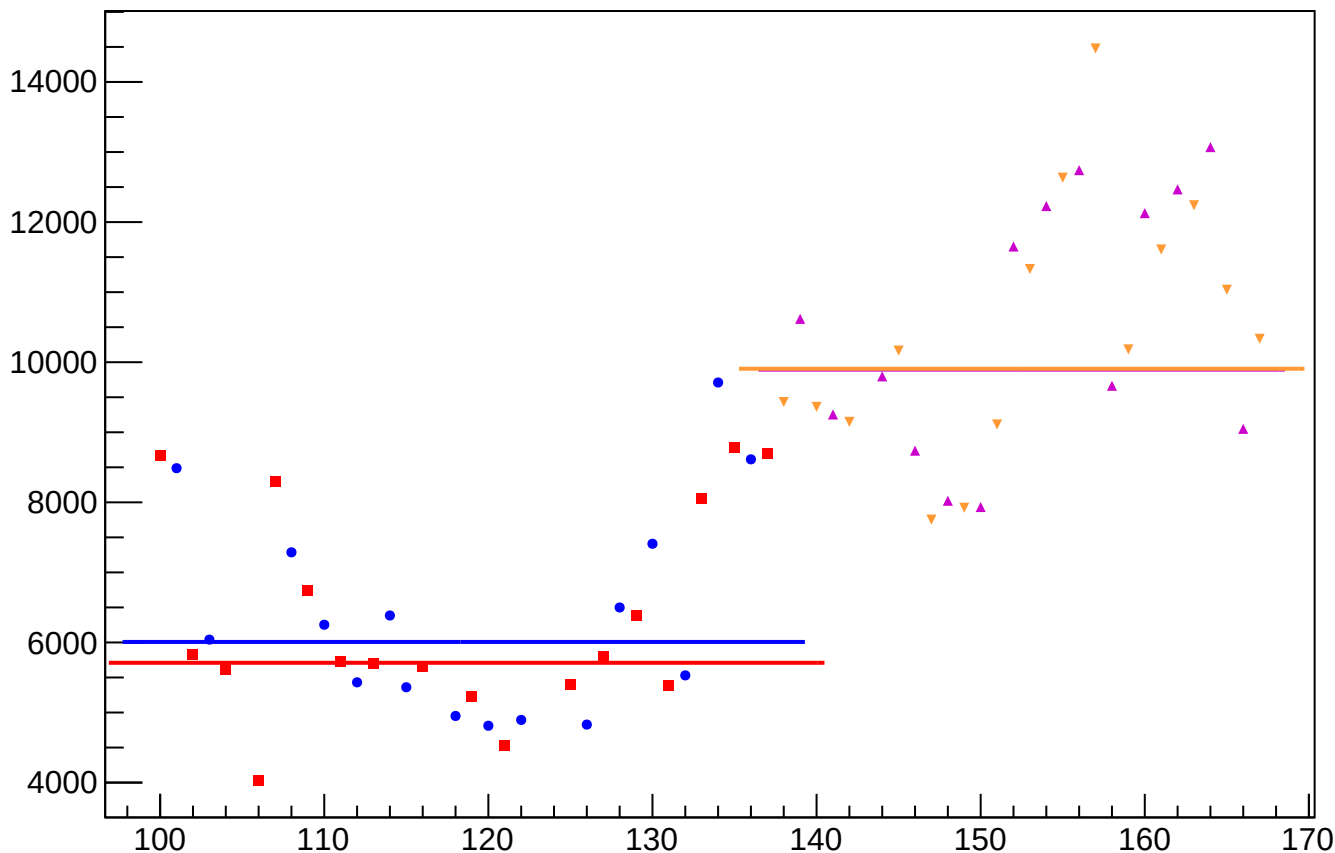
Left In: -2802.791 ± 2963.583 χ^2/NDF : 8.1/13

+ sign -1438.687 ± 1809.486 χ^2/NDF : 36.3/30

All: -1506.557 ± 1254.489 χ^2/NDF : 62.9/62

- sign -1569.368 ± 1740.742 χ^2/NDF : 26.7/31

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF : 654004.9/15

Left Out: 9906.923+/-2.081 χ^2/NDF : 637145.6/14

Right Out: 5709.885+/-1.521 χ^2/NDF : 535929.9/17

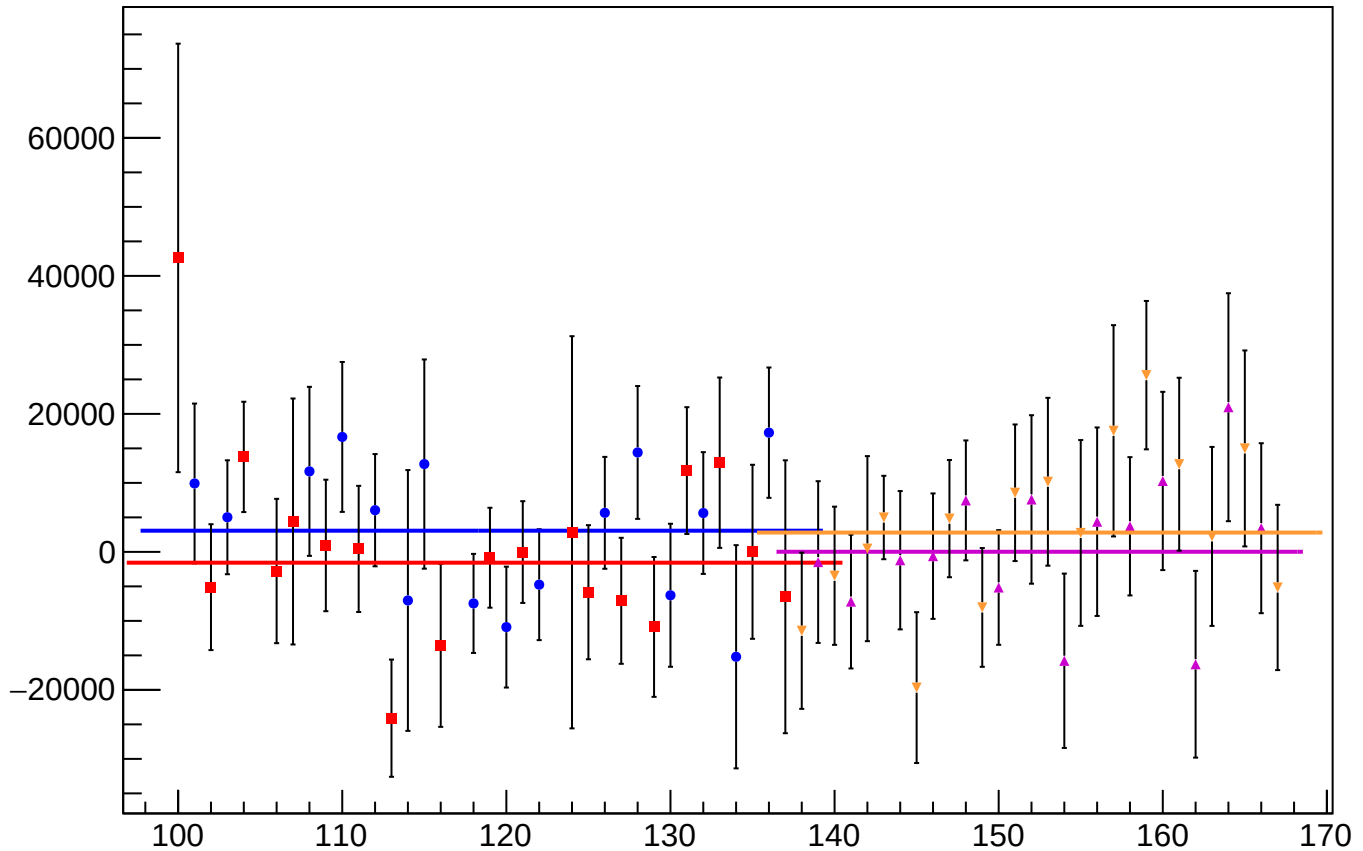
Left In: 9894.339+/-2.096 χ^2/NDF : 638464.8/13

+ sign 7481.948+/-1.279 χ^2/NDF : 3475309.8/30

All: 7311.405+/-0.887 χ^2/NDF : 7295509.6/62

- sign 7153.573+/-1.231 χ^2/NDF : 3785992.1/31

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF : 14.9/15

Left Out: 2801.215+/-2616.518 χ^2/NDF : 15.9/15

Right Out: -1567.088+/-2335.884 χ^2/NDF : 19.2/18

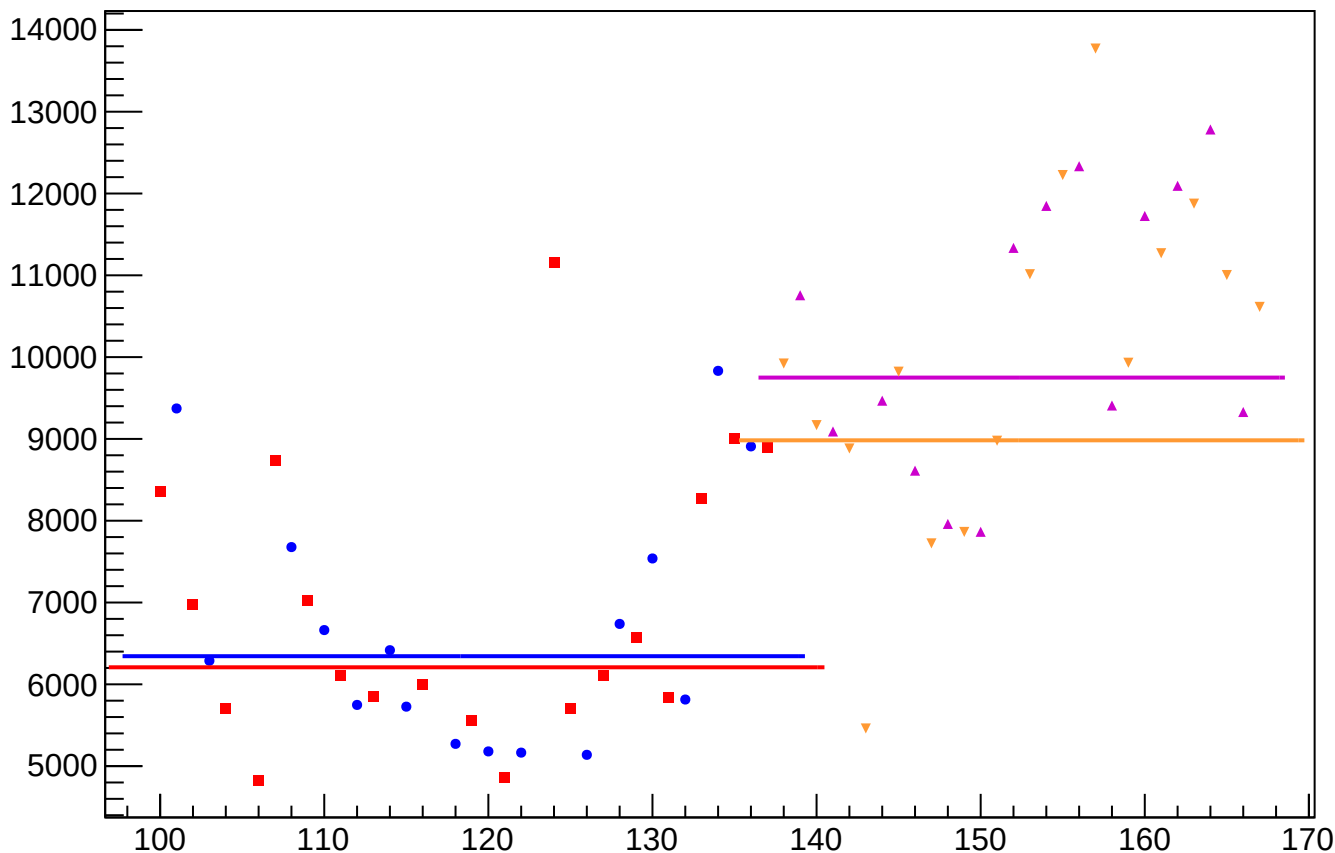
Left In: 16.786+/-2914.868 χ^2/NDF : 7.7/13

+ sign 2946.197+/-1776.900 χ^2/NDF : 30.8/31

All: 1048.892+/-1272.376 χ^2/NDF : 60.2/64

- sign -947.702+/-1822.801 χ^2/NDF : 27.1/32

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF : 621240.2/15

Left Out: 8982.830+/-1.850 χ^2/NDF : 1410260.0/15

Right Out: 6208.099+/-1.652 χ^2/NDF : 471840.9/18

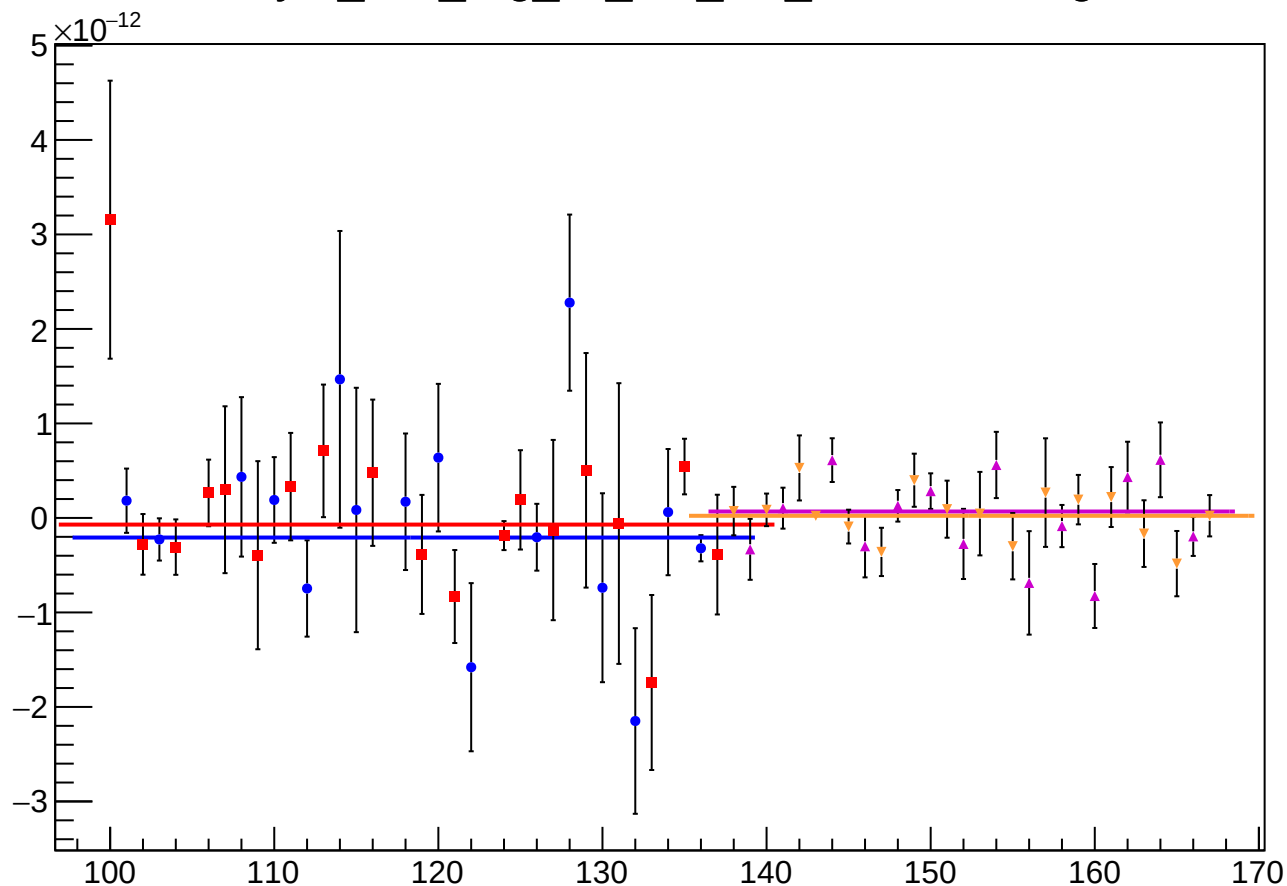
Left In: 9749.692+/-2.061 χ^2/NDF : 583957.7/13

+ sign 7560.887+/-1.256 χ^2/NDF : 3127750.6/31

All: 7576.564+/-0.900 χ^2/NDF : 5981772.5/64

- sign 7593.061+/-1.289 χ^2/NDF : 2853702.4/32

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 : 11.1/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.9/18

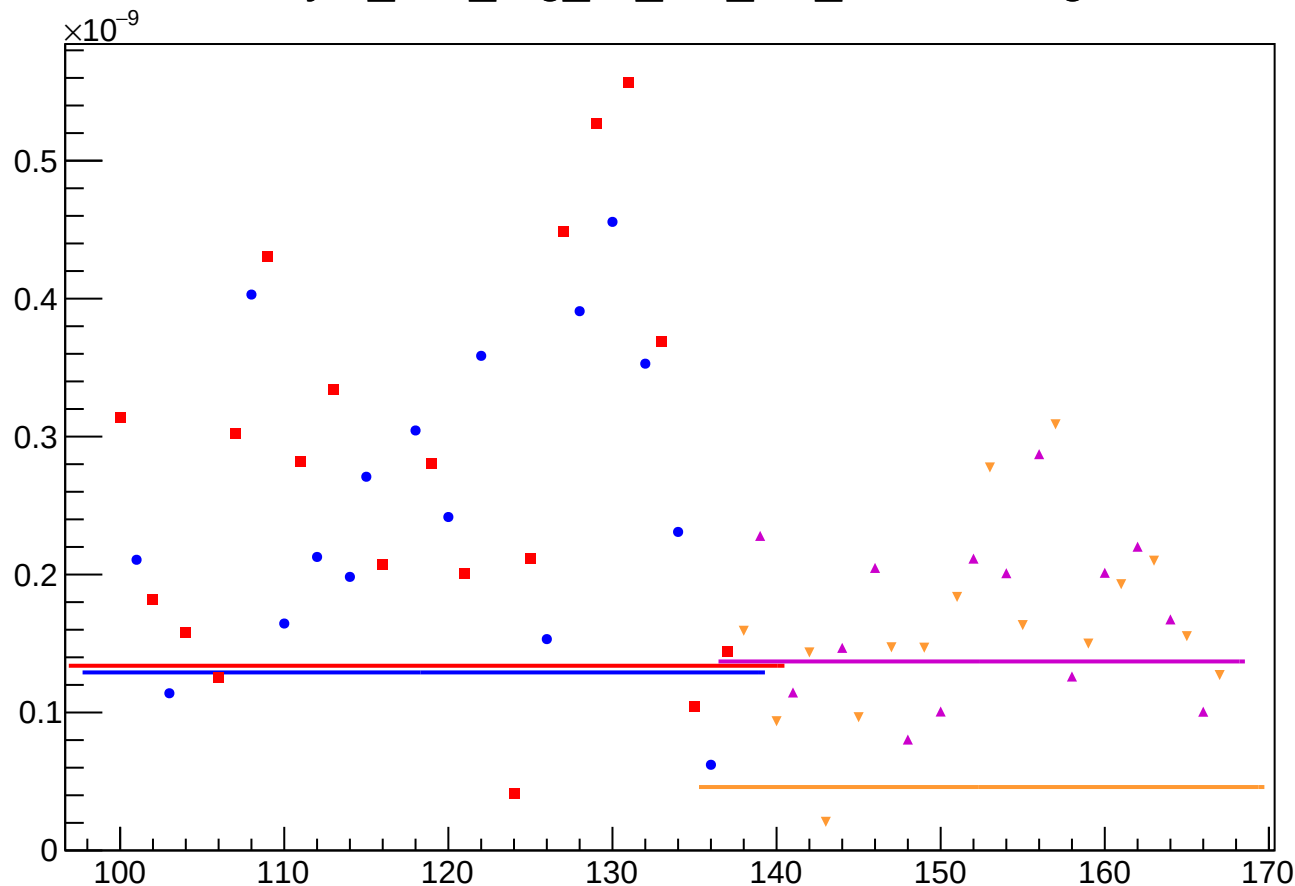
Left In: 0.000 ± 0.000 χ^2/NDF : 26.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 37.3/31

All: 0.000 ± 0.000 χ^2/NDF : 86.1/64

- sign 0.000 ± 0.000 χ^2/NDF : 48.7/32

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 5706450.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2304489.5/18

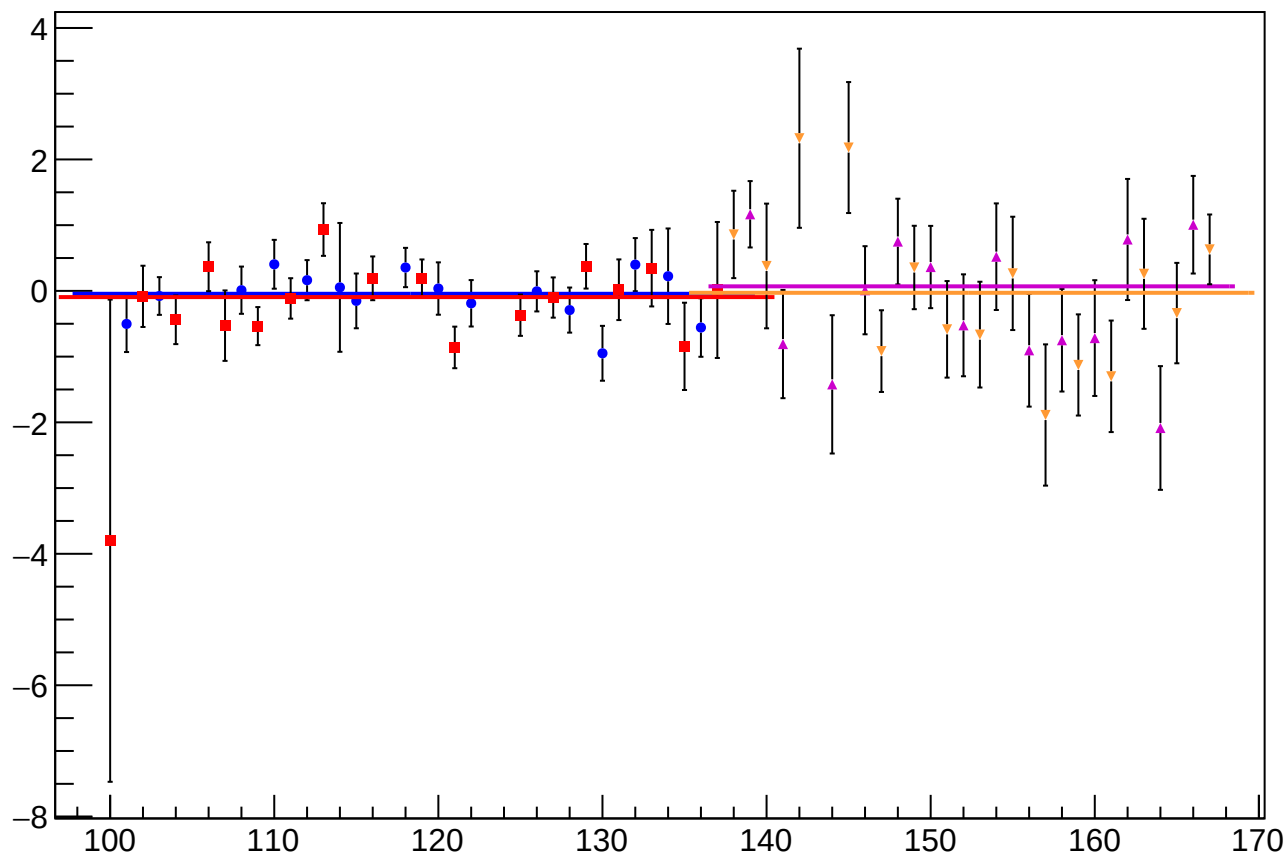
Left In: 0.000+/-0.000 χ^2/NDF : 1121072.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 8795954.6/31

All: 0.000+/-0.000 χ^2/NDF : 15505872.5/64

- sign 0.000+/-0.000 χ^2/NDF : 3426948.7/32

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: -0.029 ± 0.199 χ^2/NDF : 22.7/14

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

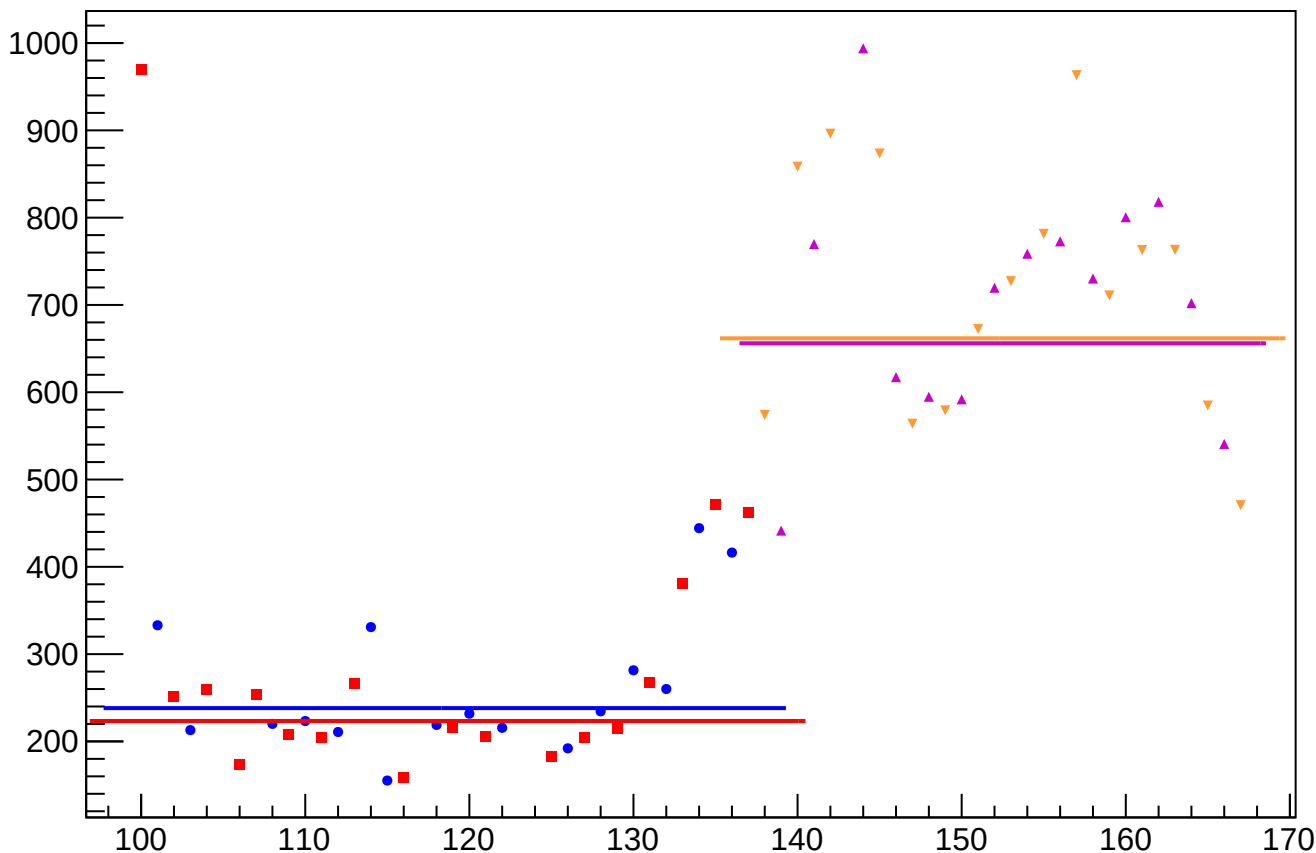
Left In: 0.069 ± 0.200 χ^2/NDF : 20.7/13

+ sign -0.041 ± 0.085 χ^2/NDF : 35.8/30

All: -0.054 ± 0.059 χ^2/NDF : 82.4/62

- sign -0.067 ± 0.082 χ^2/NDF : 46.5/31

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF : 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF : 908869.6/14

Right Out: 223.388+/-0.064 χ^2/NDF : 862425.5/17

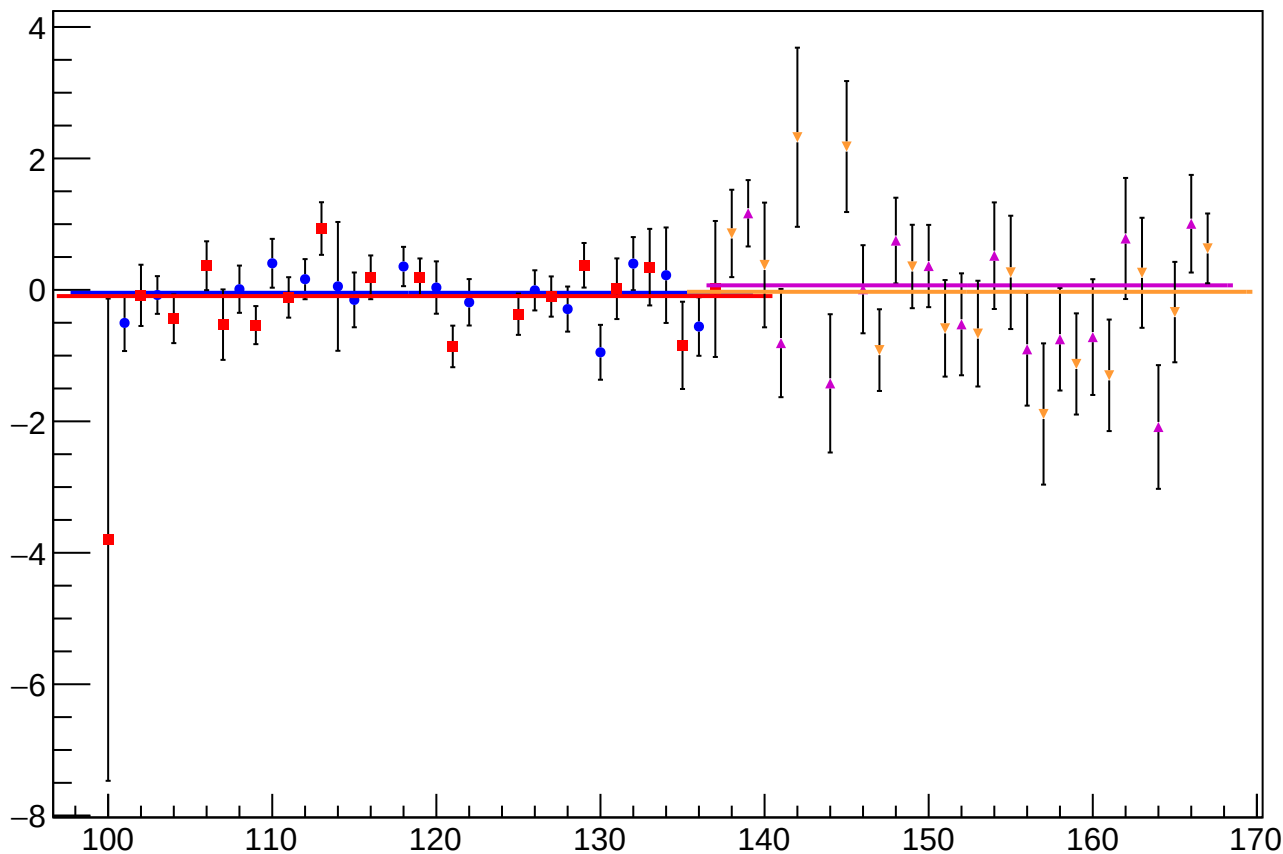
Left In: 656.077+/-0.141 χ^2/NDF : 920291.2/13

+ sign 315.465+/-0.060 χ^2/NDF : 9159643.2/30

All: 305.603+/-0.042 χ^2/NDF : 18785187.0/62

- sign 296.363+/-0.058 χ^2/NDF : 9573161.4/31

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 $\chi^2/\text{NDF}: 13.1/15$

Left Out: -0.029 ± 0.199 $\chi^2/\text{NDF}: 22.7/14$

Right Out: -0.094 ± 0.090 $\chi^2/\text{NDF}: 25.3/17$

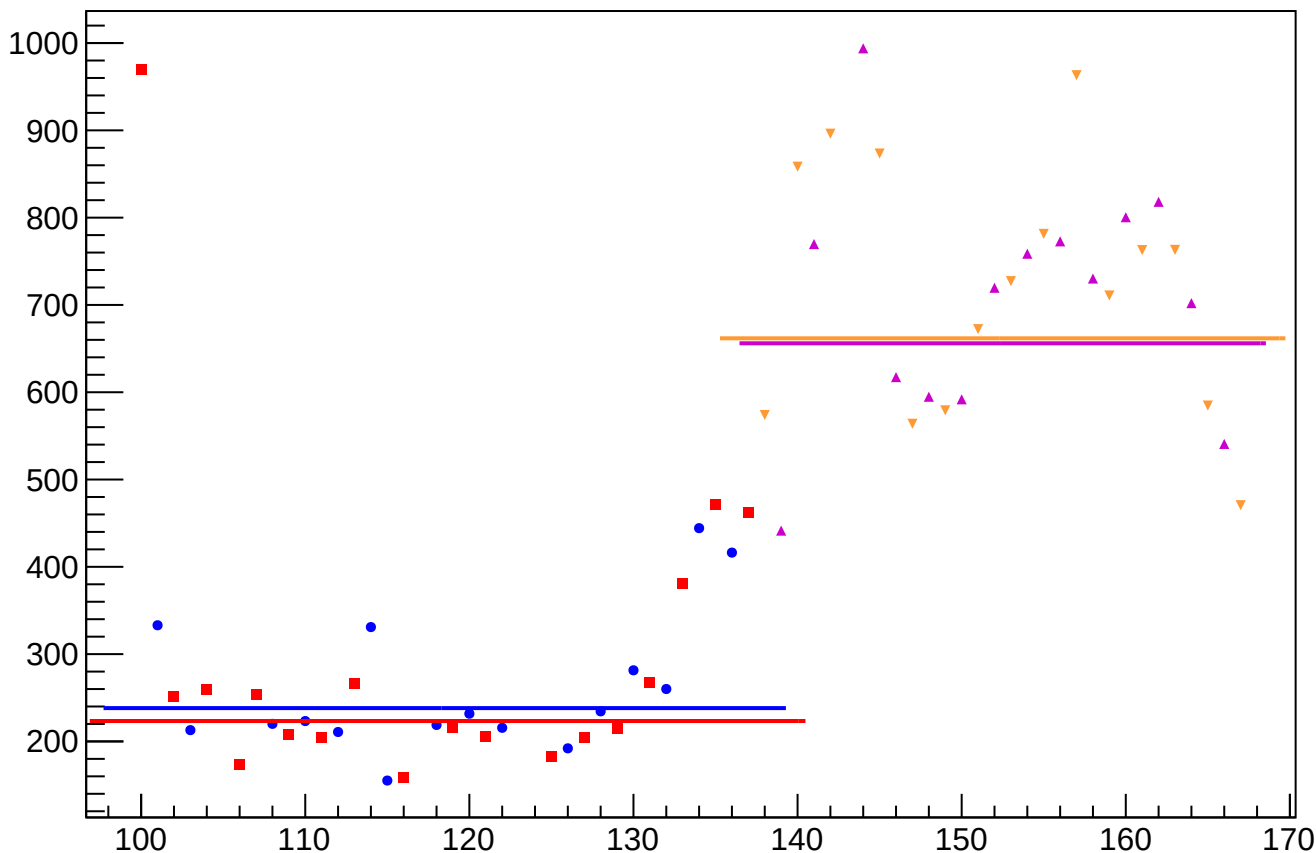
Left In: 0.069 ± 0.200 $\chi^2/\text{NDF}: 20.7/13$

+ sign -0.041 ± 0.085 $\chi^2/\text{NDF}: 35.8/30$

All: -0.054 ± 0.059 $\chi^2/\text{NDF}: 82.4/62$

- sign -0.067 ± 0.082 $\chi^2/\text{NDF}: 46.5/31$

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165 ± 0.066 $\chi^2/\text{NDF}: 807205.2/15$

Left Out: 661.776 ± 0.140 $\chi^2/\text{NDF}: 908869.6/14$

Right Out: 223.388 ± 0.064 $\chi^2/\text{NDF}: 862425.5/17$

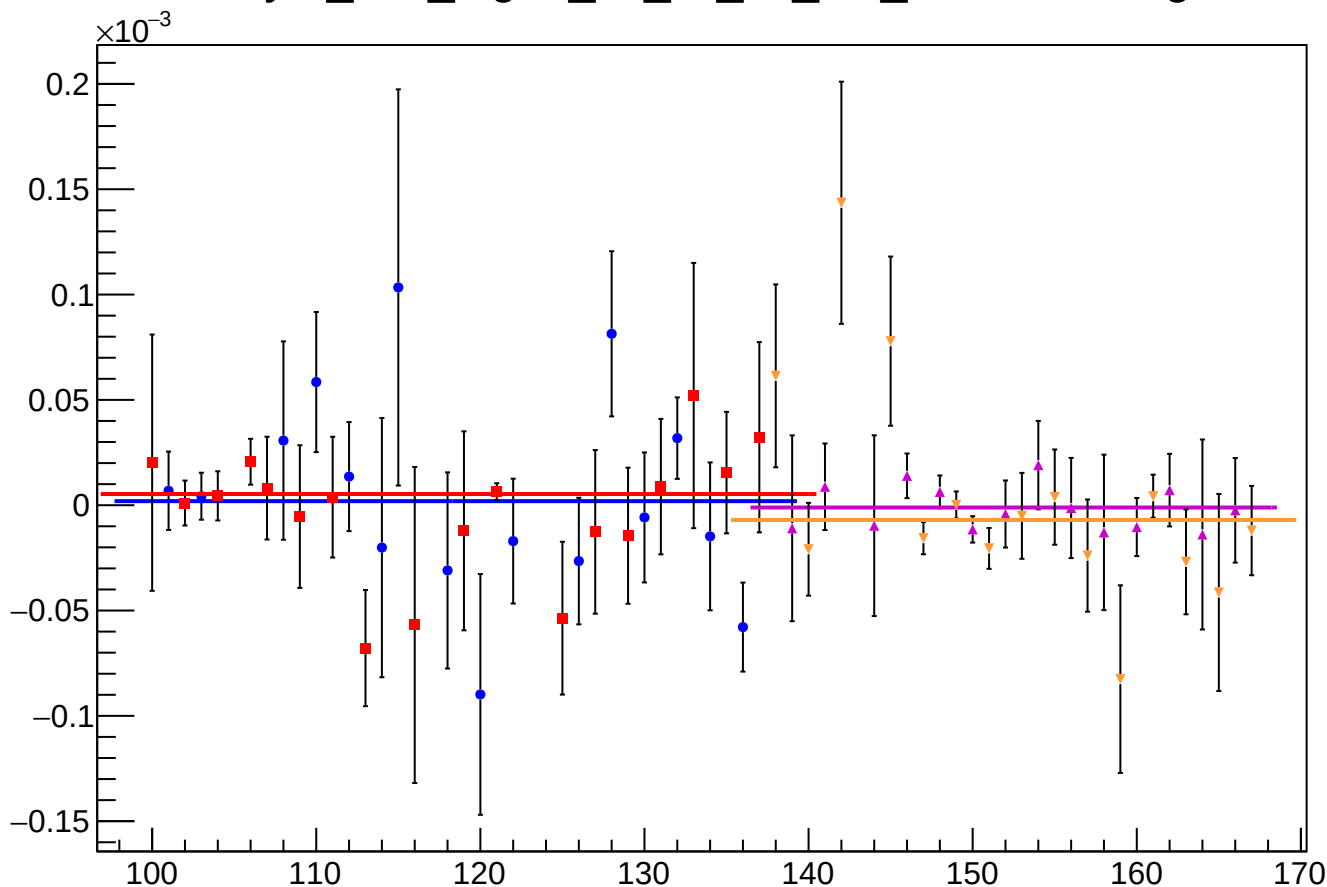
Left In: 656.077 ± 0.141 $\chi^2/\text{NDF}: 920291.2/13$

+ sign 315.465 ± 0.060 $\chi^2/\text{NDF}: 9159643.2/30$

All: 305.603 ± 0.042 $\chi^2/\text{NDF}: 18785187.0/62$

- sign 296.363 ± 0.058 $\chi^2/\text{NDF}: 9573161.4/31$

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 24.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.6/14

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

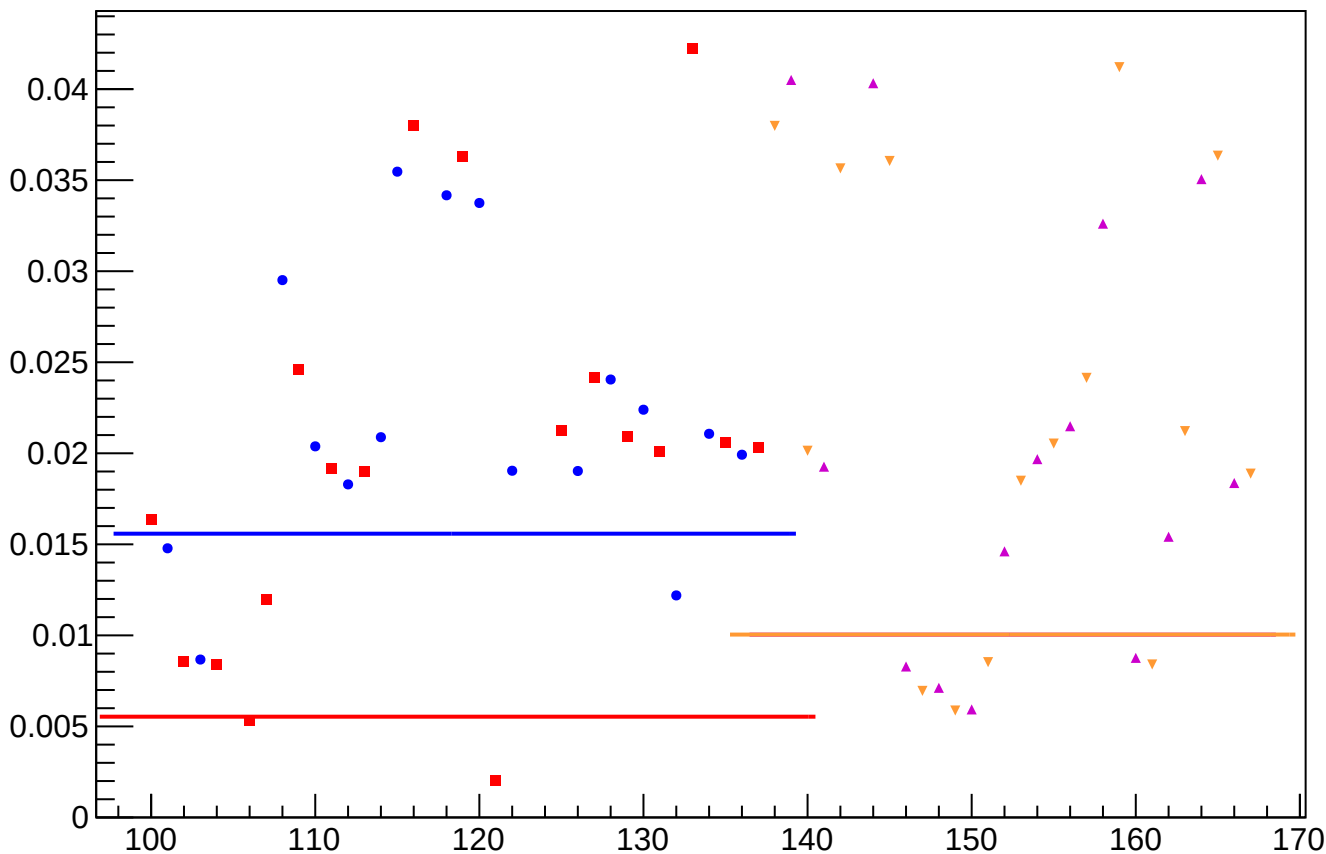
Left In: -0.000 ± 0.000 χ^2/NDF : 7.8/13

+ sign -0.000 ± 0.000 χ^2/NDF : 50.2/30

All: -0.000 ± 0.000 χ^2/NDF : 77.7/62

- sign 0.000 ± 0.000 χ^2/NDF : 24.1/31

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: 0.010 $\pm$ 0.000 χ^2 /NDF: 7449561.8/14

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7954965.8/17

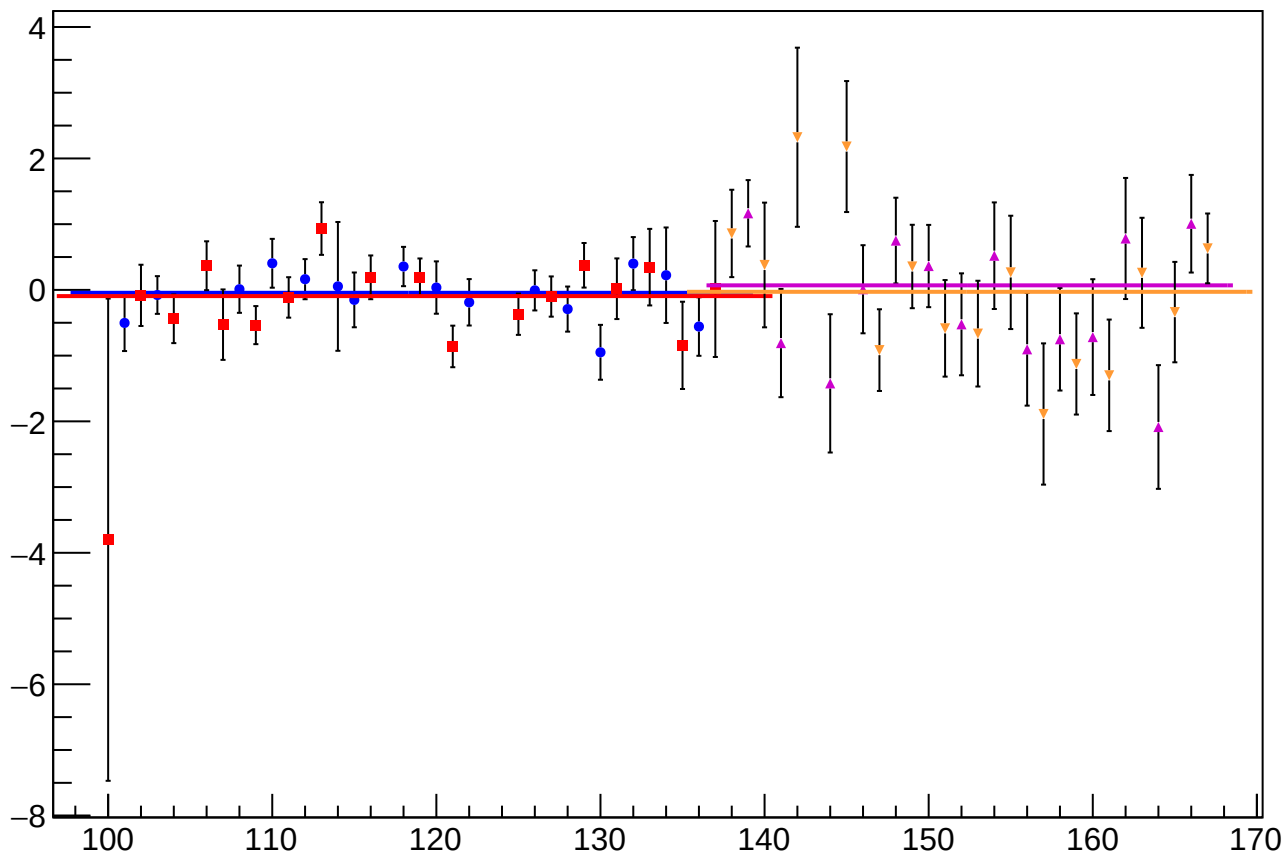
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 6398325.8/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 10663625.9/30

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 28678866.2/62

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 16058154.4/31

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: -0.029 ± 0.199 χ^2/NDF : 22.7/14

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

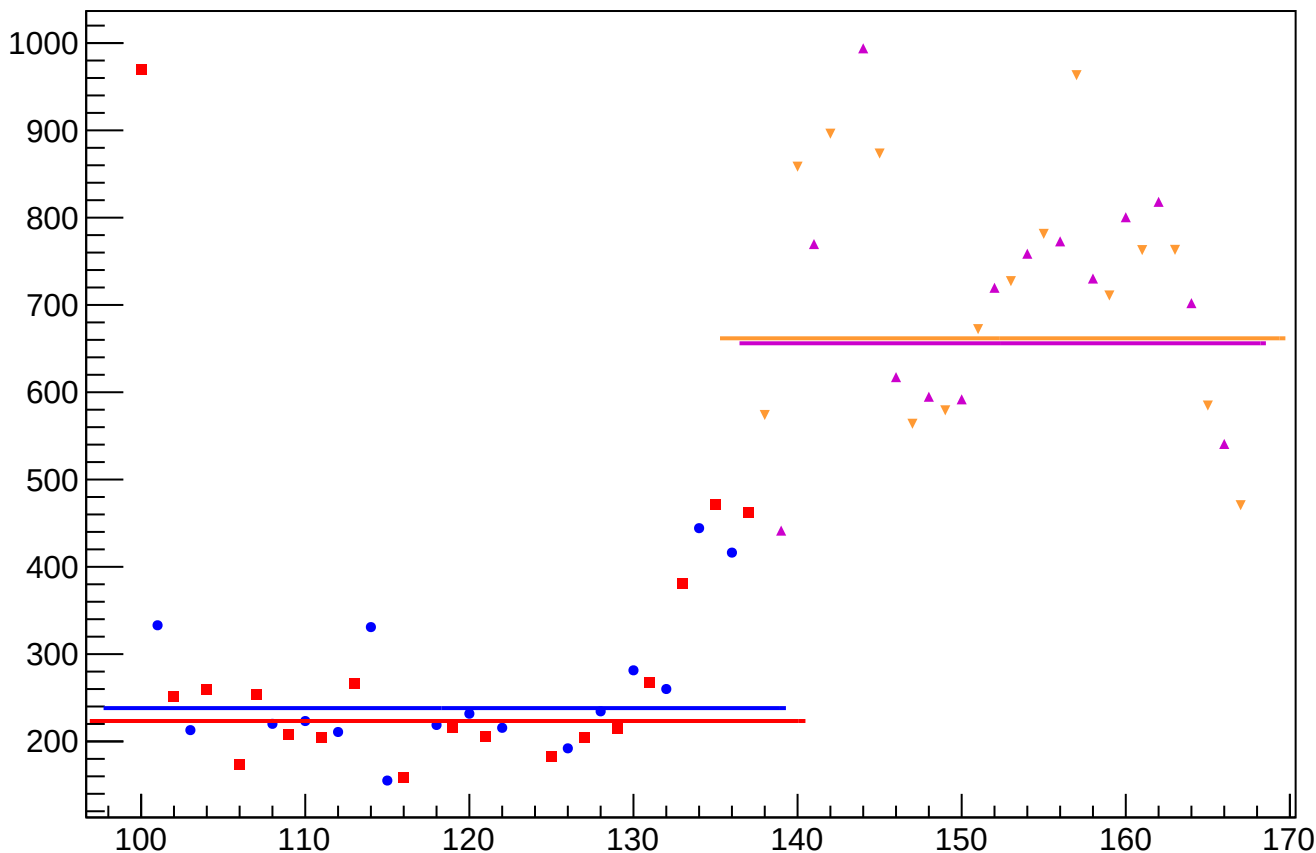
Left In: 0.069 ± 0.200 χ^2/NDF : 20.7/13

+ sign -0.041 ± 0.085 χ^2/NDF : 35.8/30

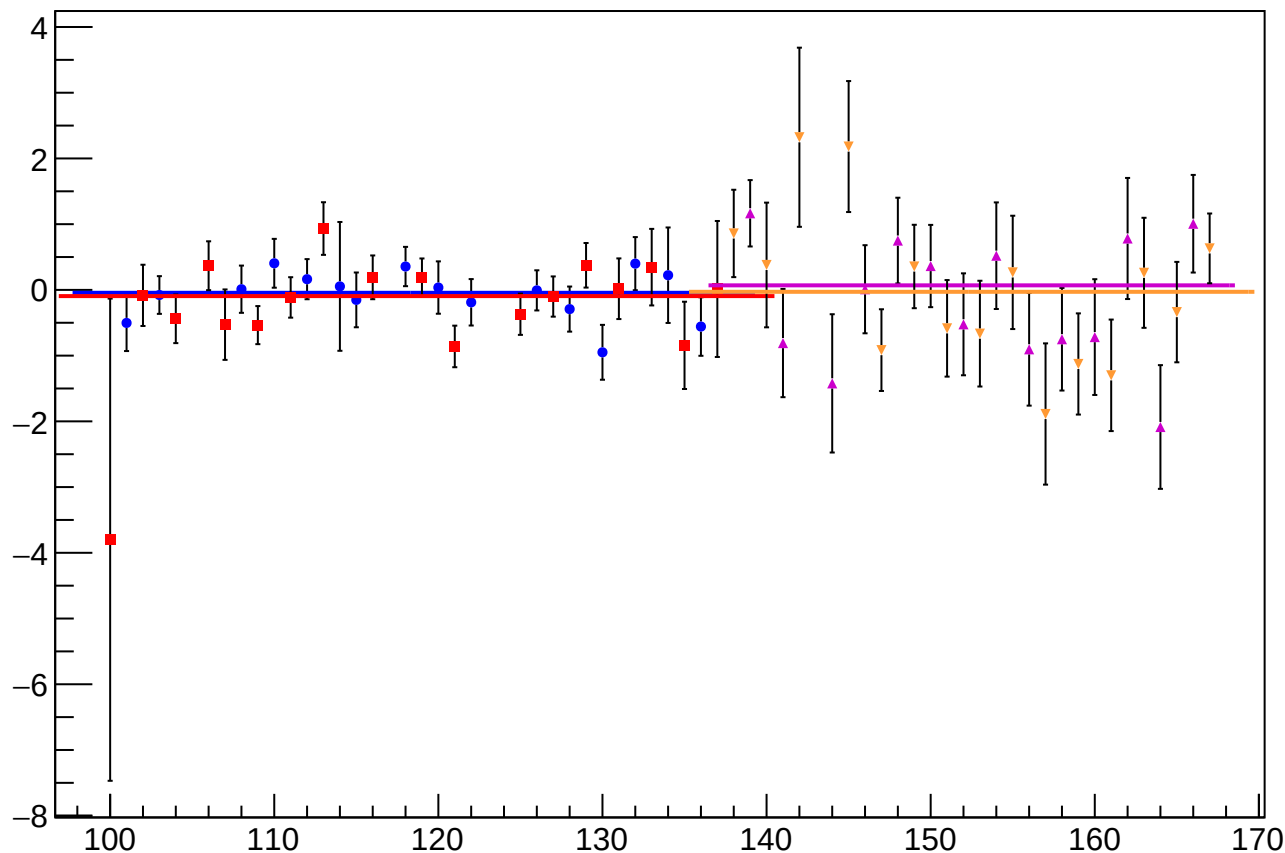
All: -0.054 ± 0.059 χ^2/NDF : 82.4/62

- sign -0.067 ± 0.082 χ^2/NDF : 46.5/31

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 $\chi^2/\text{NDF}: 13.1/15$

Left Out: -0.029 ± 0.199 $\chi^2/\text{NDF}: 22.7/14$

Right Out: -0.094 ± 0.090 $\chi^2/\text{NDF}: 25.3/17$

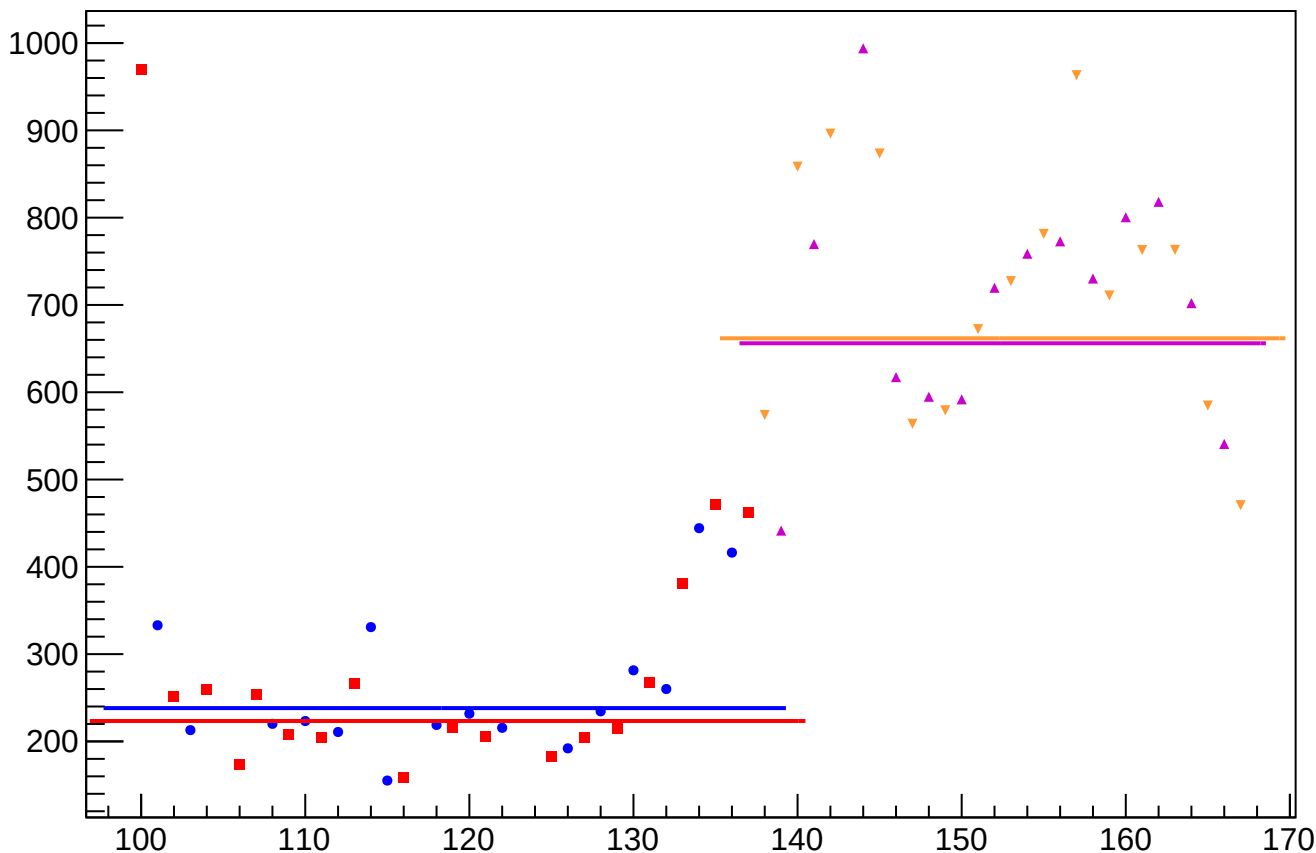
Left In: 0.069 ± 0.200 $\chi^2/\text{NDF}: 20.7/13$

+ sign -0.041 ± 0.085 $\chi^2/\text{NDF}: 35.8/30$

All: -0.054 ± 0.059 $\chi^2/\text{NDF}: 82.4/62$

- sign -0.067 ± 0.082 $\chi^2/\text{NDF}: 46.5/31$

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: 661.783+/-0.140 χ^2/NDF : 908922.3/14

Right Out: 223.390+/-0.064 χ^2/NDF : 862366.3/17

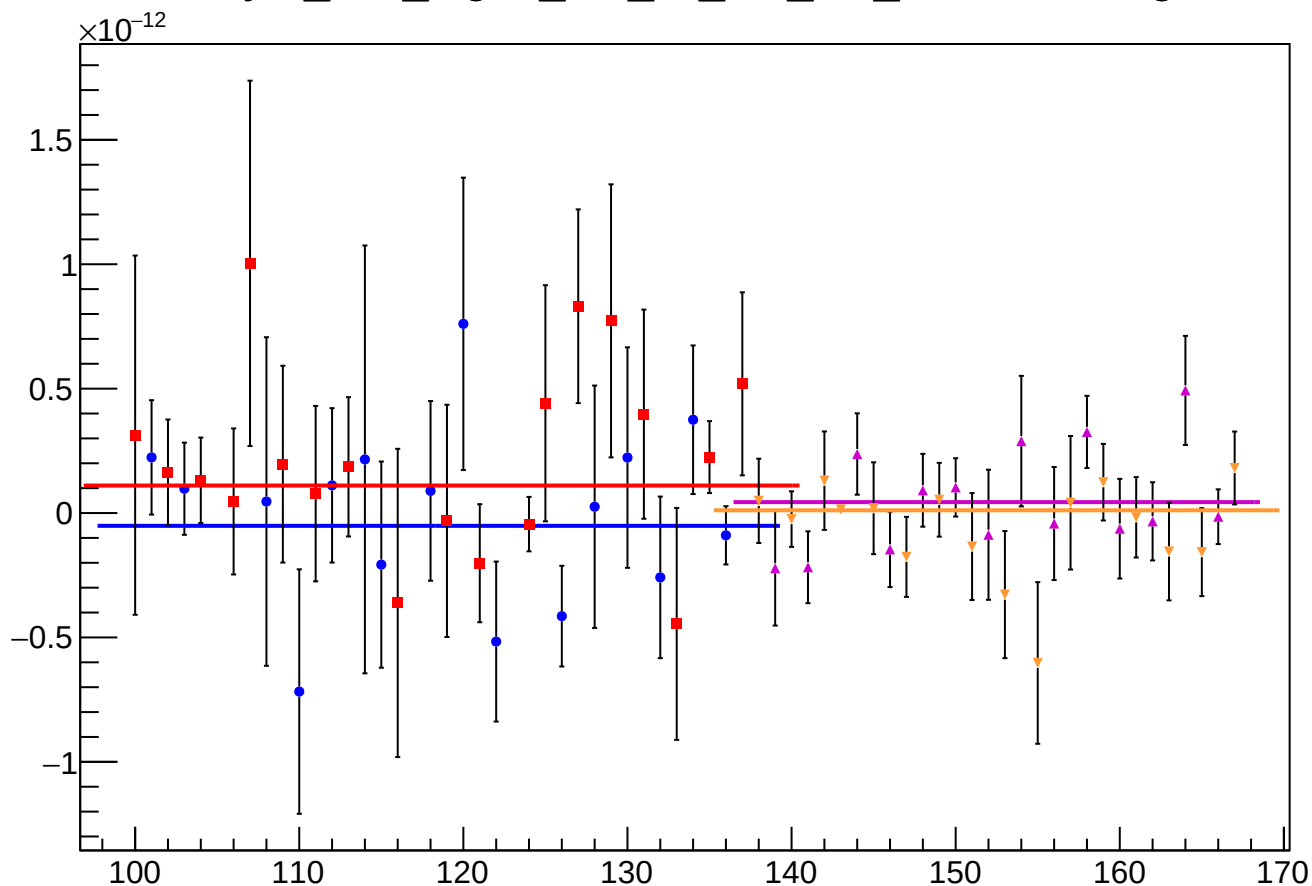
Left In: 656.086+/-0.141 χ^2/NDF : 920287.0/13

+ sign 315.466+/-0.060 χ^2/NDF : 9159744.7/30

All: 305.604+/-0.042 χ^2/NDF : 18785312.7/62

- sign 296.364+/-0.058 χ^2/NDF : 9573191.1/31

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 : 11.3/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.3/18

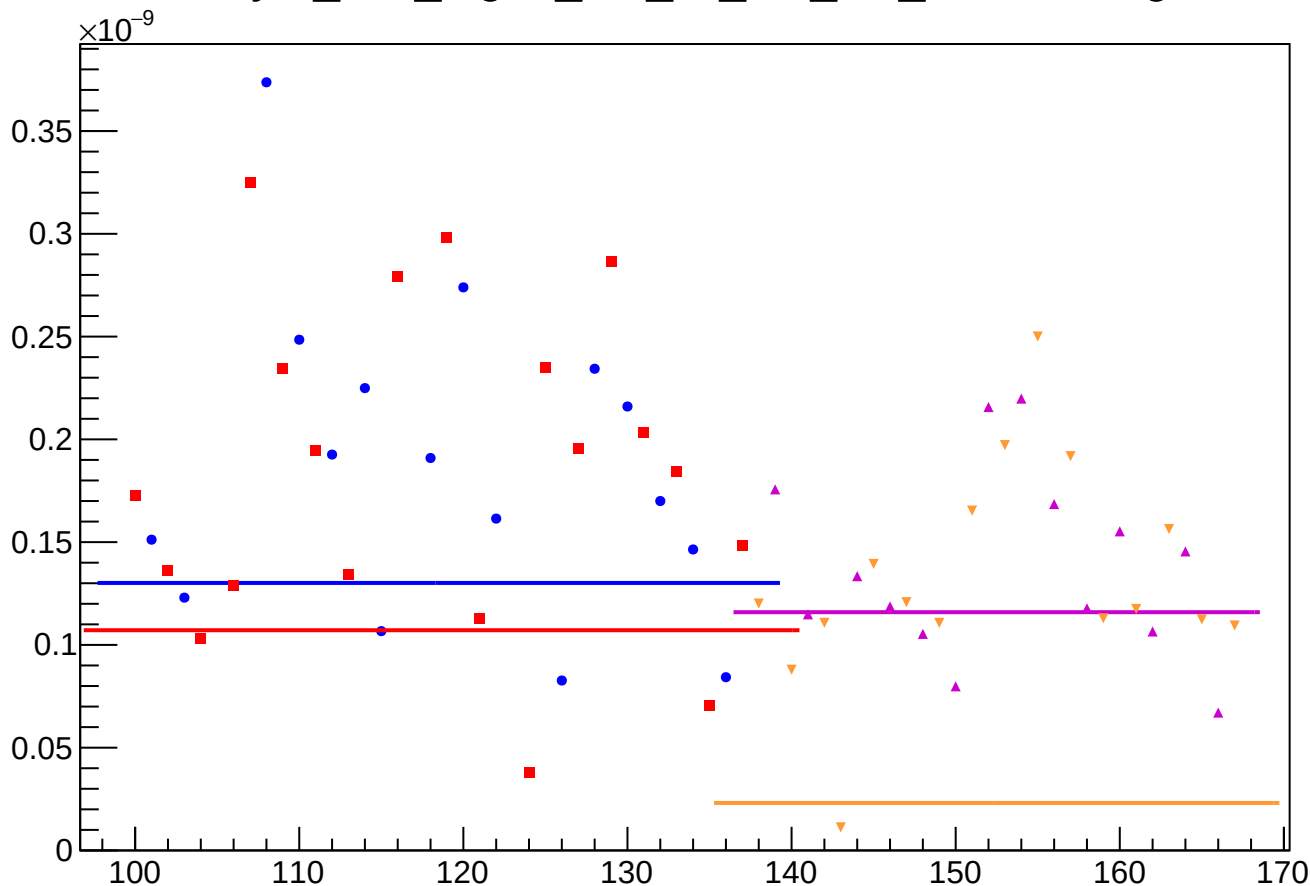
Left In: 0.000 ± 0.000 χ^2/NDF : 18.0/13

+ sign 0.000 ± 0.000 χ^2/NDF : 26.9/31

All: 0.000 ± 0.000 χ^2/NDF : 63.6/64

- sign 0.000 ± 0.000 χ^2/NDF : 34.2/32

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 : 12198113.9/15

Right Out: 0.000 +/- 0.000 χ^2/NDF : 2656168.1/18

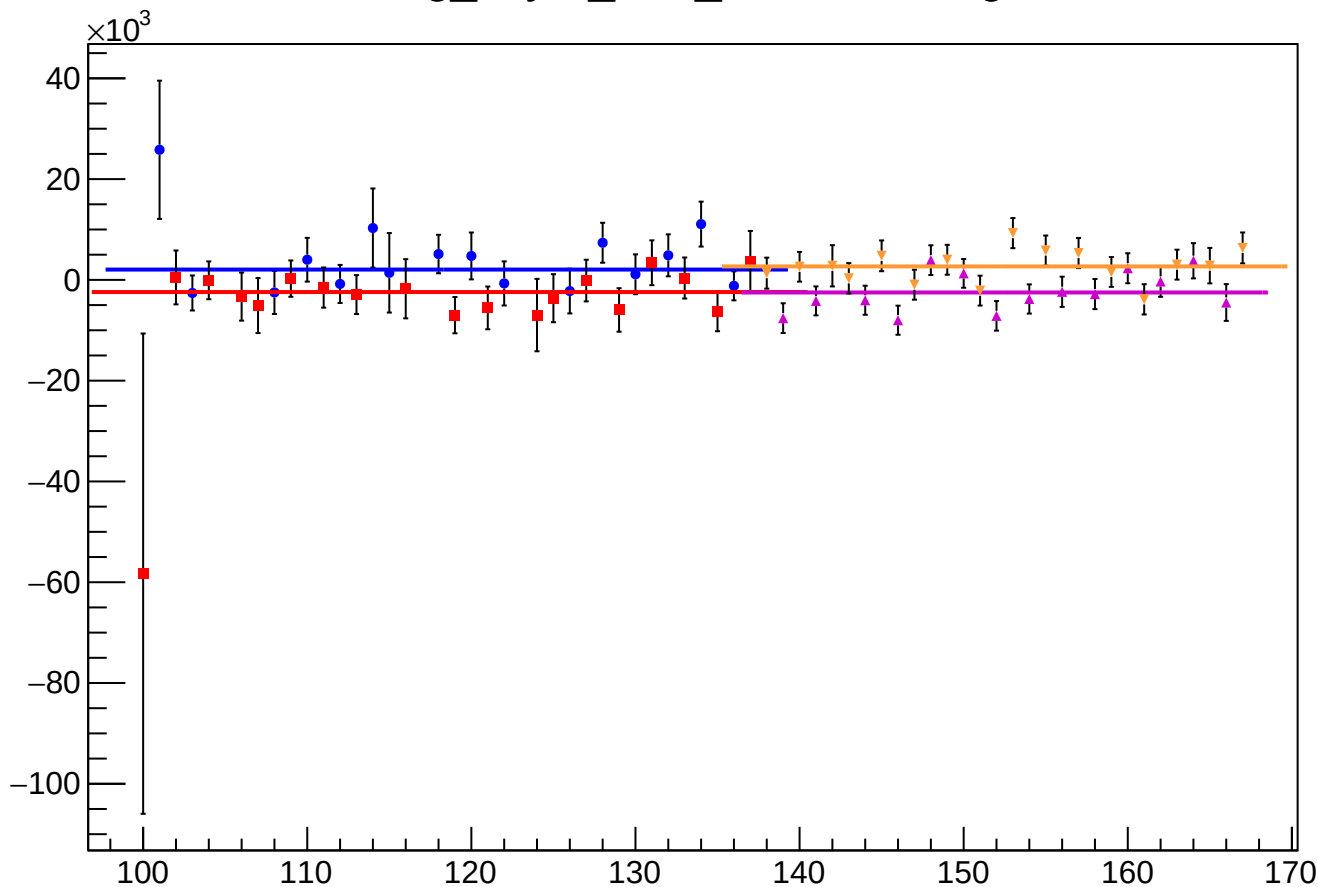
Left In: 0.000 +/- 0.000 χ^2/NDF : 1586507.0/13

+ sign 0.000 +/- 0.000 χ^2/NDF : 18339060.2/31

All: 0.000 +/- 0.000 χ^2/NDF : 32748537.3/64

- sign 0.000 +/- 0.000 χ^2/NDF : 4271416.8/32

reg_asym_atr1_mean vs Slug



Right In: 2049.493 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 2673.150 $\pm$ 766.899 χ^2 /NDF: 18.7/15

Right Out: -2411.858 $\pm$ 1035.471 χ^2 /NDF: 10.8/18

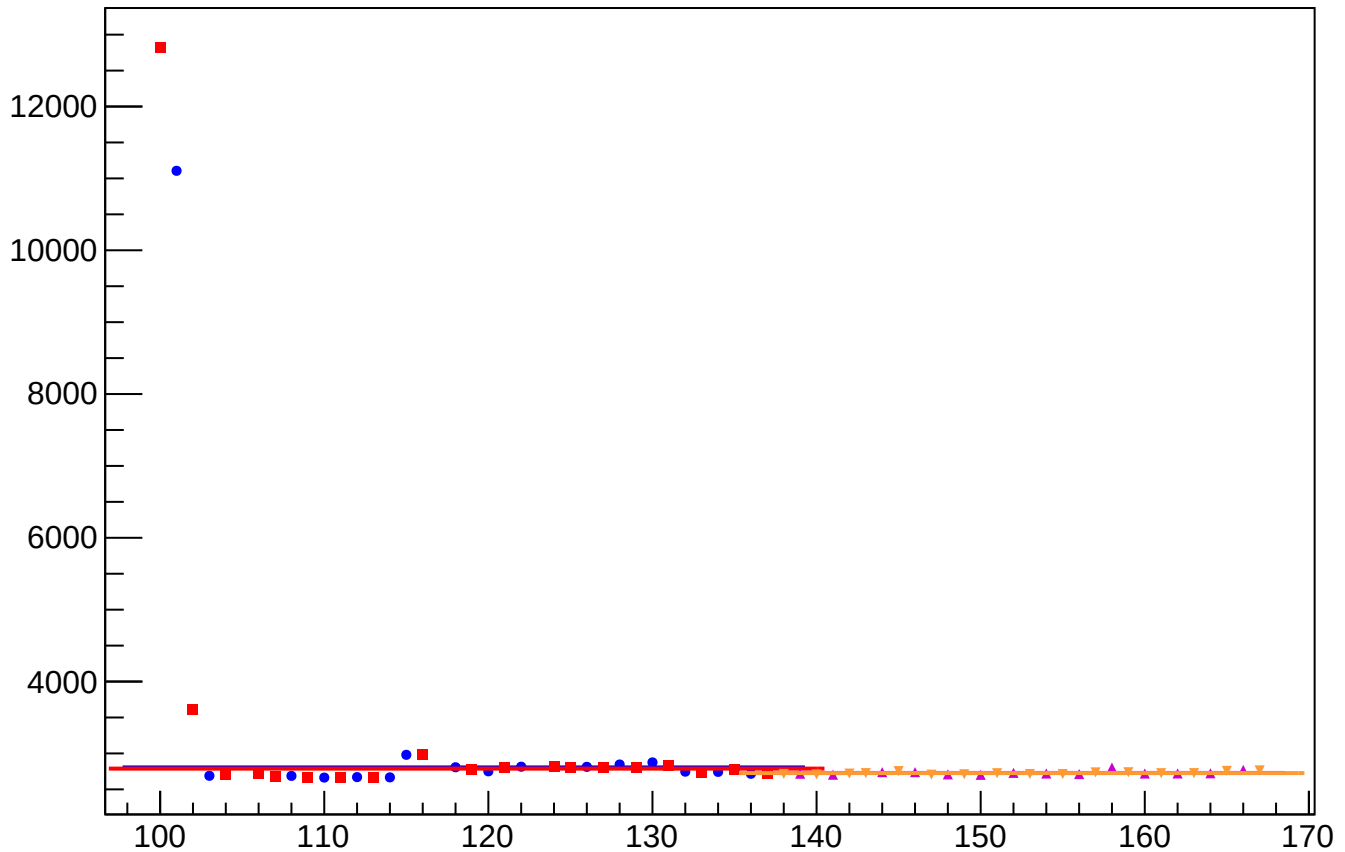
Left In: -2498.182 $\pm$ 802.964 χ^2 /NDF: 23.1/13

+ sign 2461.605 $\pm$ 623.409 χ^2 /NDF: 36.7/31

All: 41.496 $\pm$ 444.698 χ^2 /NDF: 101.3/64

- sign -2465.765 $\pm$ 634.534 χ^2 /NDF: 33.9/32

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746240.6/15

Left Out: 2726.479+/-0.542 χ^2/NDF : 1016.1/15

Right Out: 2788.820+/-0.732 χ^2/NDF : 146998.3/18

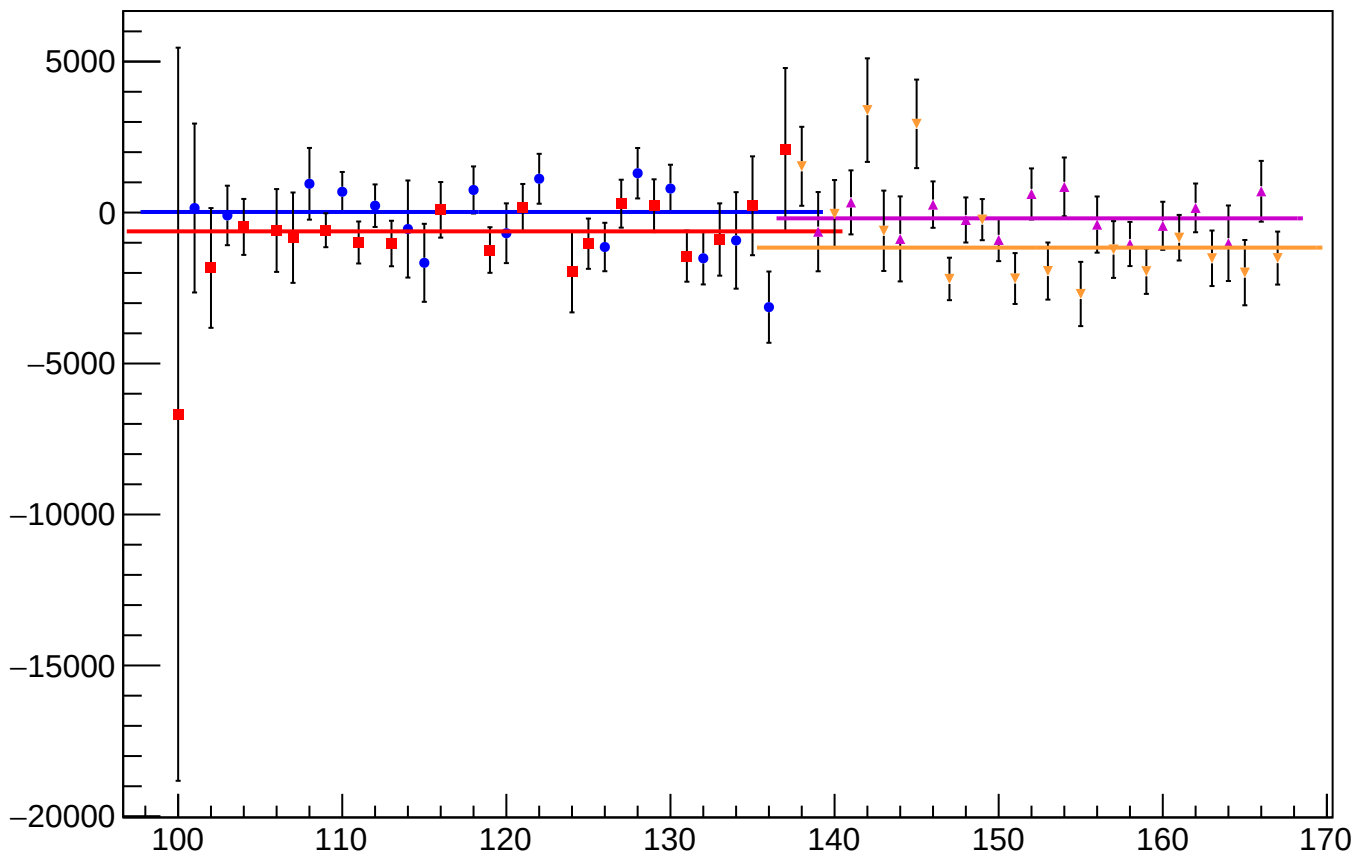
Left In: 2728.555+/-0.568 χ^2/NDF : 2122.7/13

+ sign 2753.264+/-0.441 χ^2/NDF : 754449.6/31

All: 2752.244+/-0.314 χ^2/NDF : 907812.2/64

- sign 2751.186+/-0.449 χ^2/NDF : 153351.7/32

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981 ± 233.483 χ^2/NDF : 22.8/15

Left Out: -1161.684 ± 233.475 χ^2/NDF : 30.7/15

Right Out: -623.107 ± 215.948 χ^2/NDF : 9.3/18

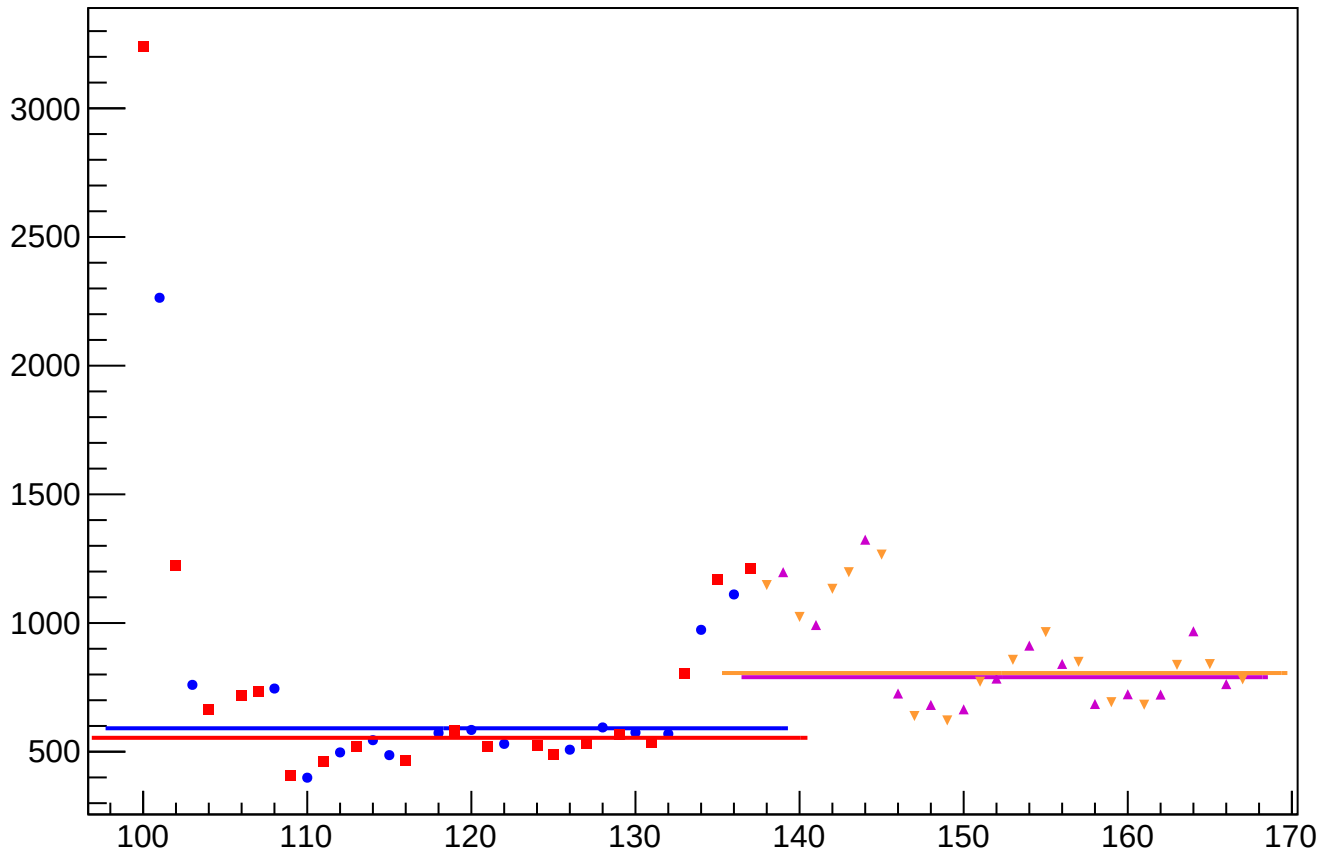
Left In: -191.957 ± 237.665 χ^2/NDF : 6.9/13

+ sign -571.371 ± 165.095 χ^2/NDF : 66.2/31

All: -497.426 ± 114.831 χ^2/NDF : 84.7/64

- sign -428.126 ± 159.826 χ^2/NDF : 18.0/32

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041 $\pm$ 0.165 χ^2 /NDF: 1567663.5/15

Left Out: 805.723 $\pm$ 0.165 χ^2 /NDF: 1077347.9/15

Right Out: 553.982 $\pm$ 0.153 χ^2 /NDF: 1116915.2/18

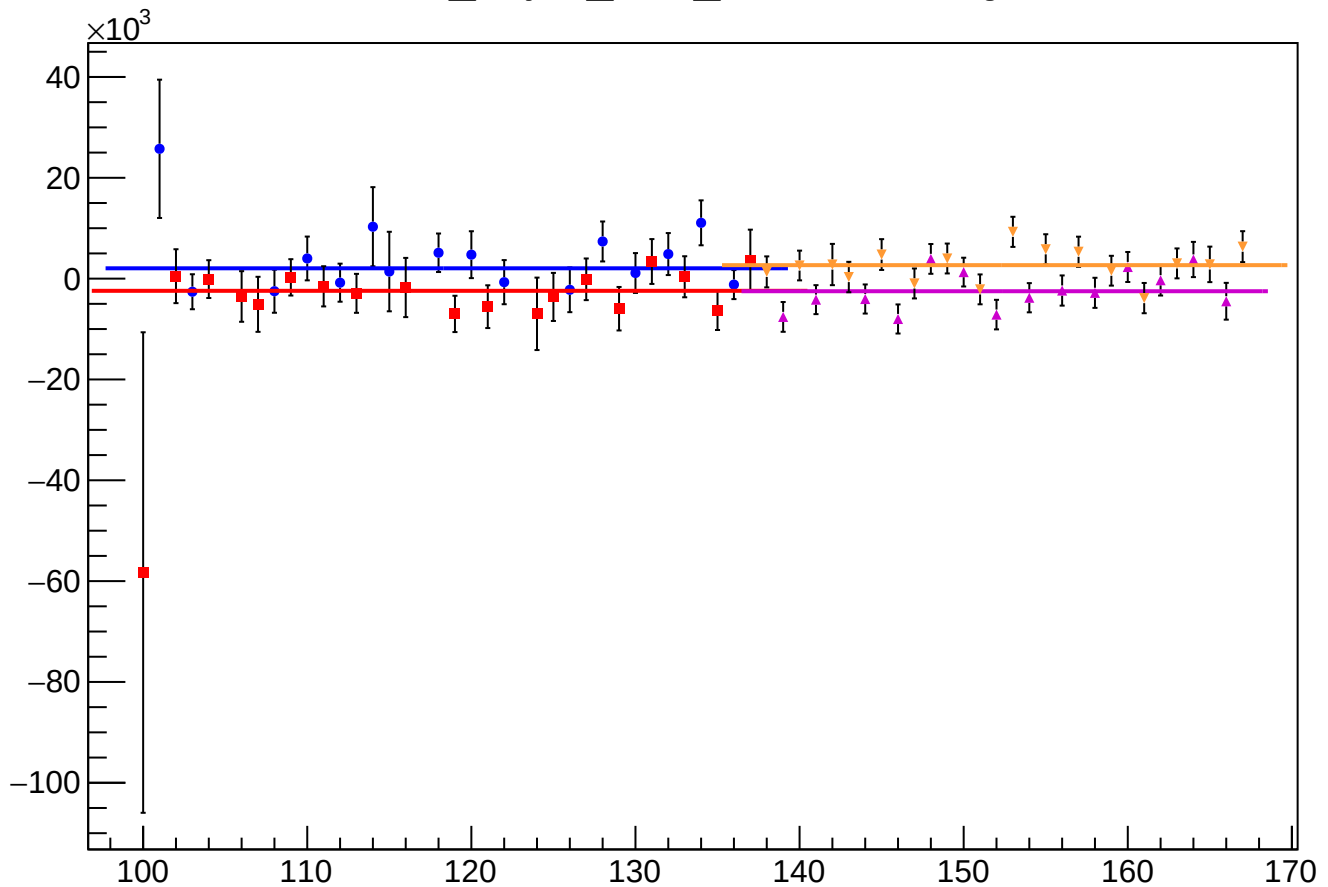
Left In: 789.563 $\pm$ 0.168 χ^2 /NDF: 821461.4/13

+ sign 698.386 $\pm$ 0.117 χ^2 /NDF: 3490476.1/31

All: 678.839 $\pm$ 0.081 χ^2 /NDF: 6559570.6/64

- sign 660.520 $\pm$ 0.113 χ^2 /NDF: 3014783.2/32

cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 2673.194 $\pm$ 766.899 χ^2 /NDF: 18.7/15

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

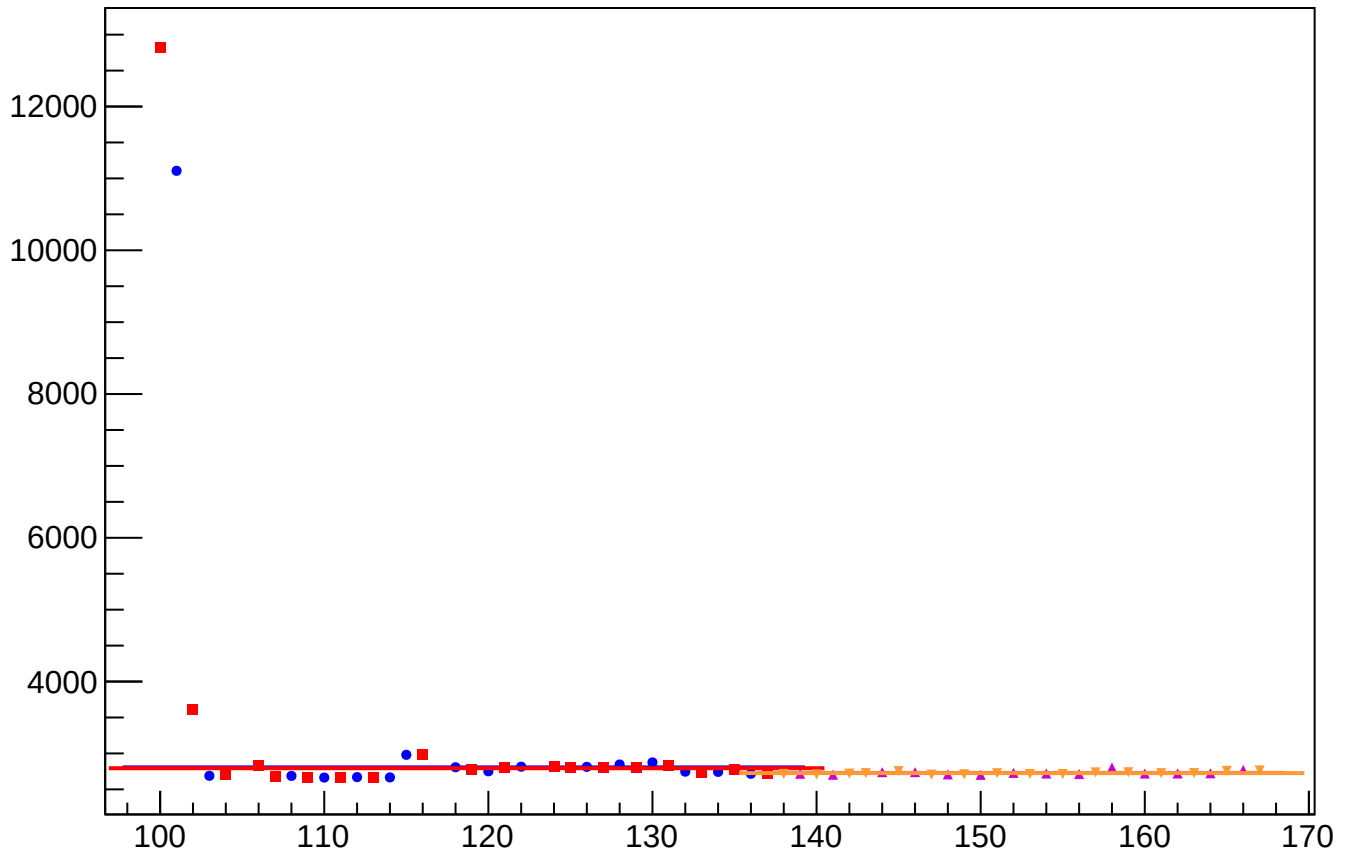
Left In: -2498.235 $\pm$ 802.964 χ^2 /NDF: 23.1/13

+ sign 2461.361 $\pm$ 623.409 χ^2 /NDF: 36.7/31

All: 42.322 $\pm$ 444.886 χ^2 /NDF: 101.3/64

- sign -2468.157 $\pm$ 635.082 χ^2 /NDF: 33.9/32

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF : 1016.1/15

+ sign 2753.264+/-0.441 χ^2/NDF : 754448.7/31

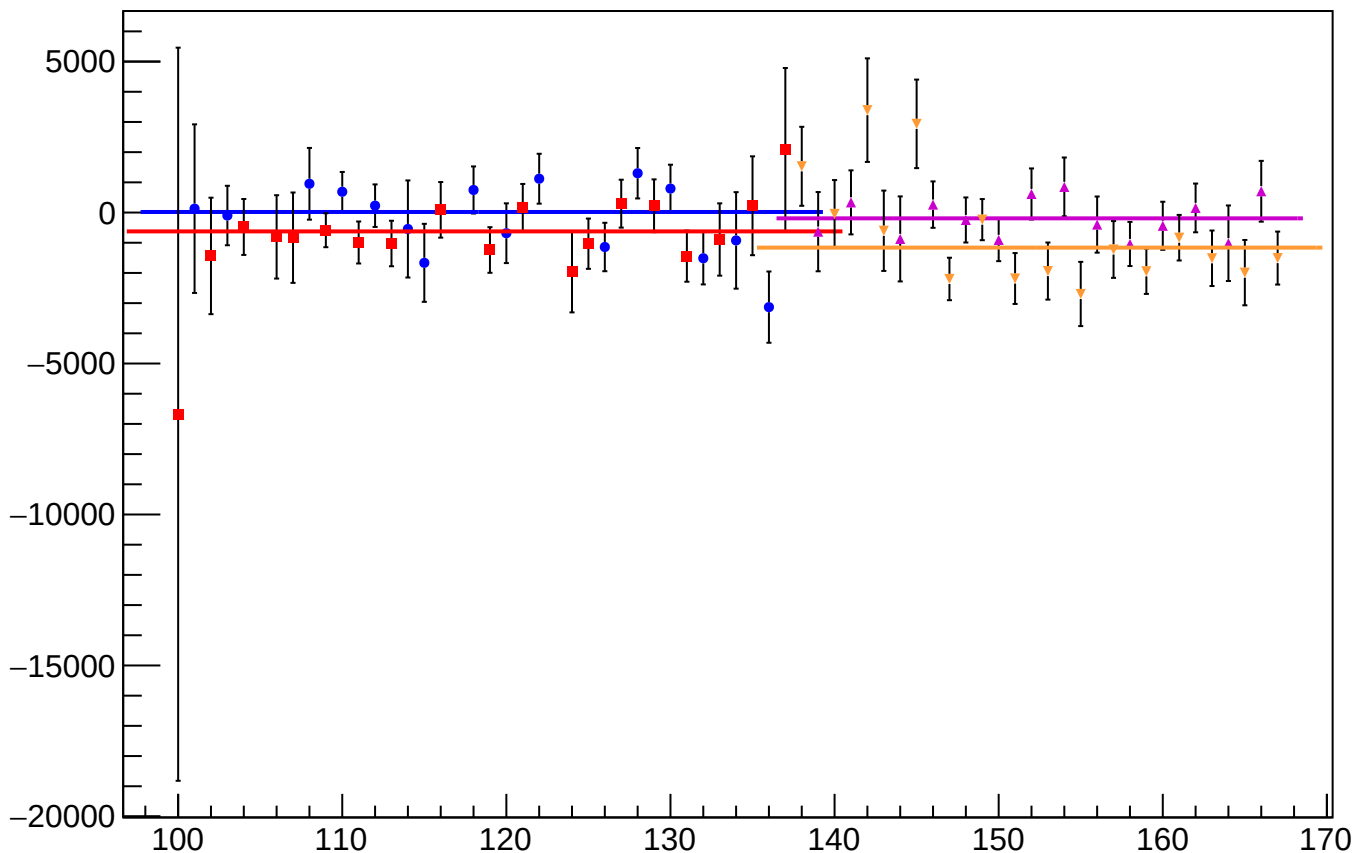
Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

All: 2753.193+/-0.315 χ^2/NDF : 908314.4/64

- sign 2753.119+/-0.449 χ^2/NDF : 153865.7/32

Left In: 2728.555+/-0.568 χ^2/NDF : 2122.7/13

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: -1161.536 ± 233.473 χ^2/NDF : 30.7/15

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

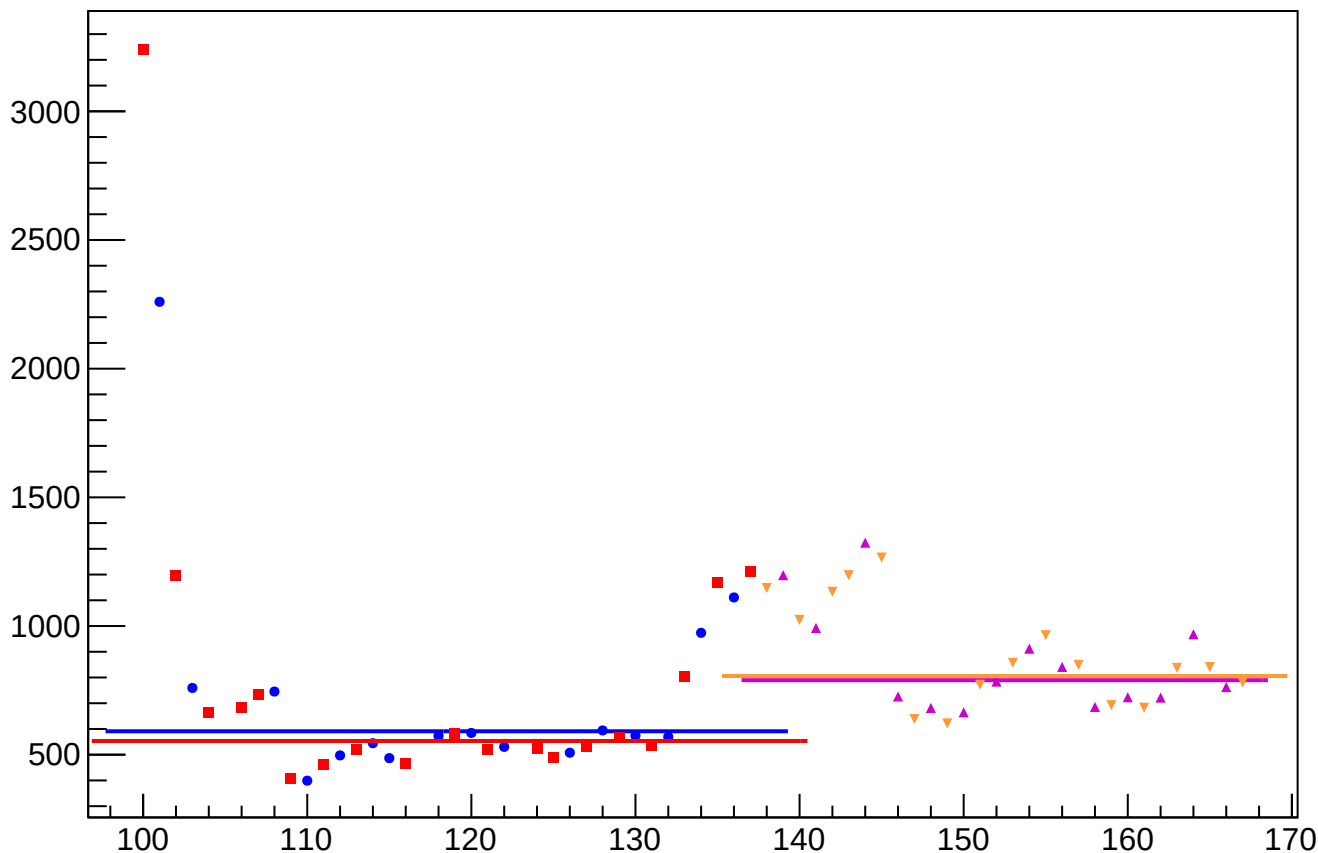
Left In: -192.028 ± 237.664 χ^2/NDF : 6.9/13

+ sign -571.293 ± 165.090 χ^2/NDF : 66.2/31

All: -497.736 ± 114.823 χ^2/NDF : 84.5/64

- sign -428.811 ± 159.806 χ^2/NDF : 17.9/32

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF : 1566635.0/15

Left Out: 805.715+/-0.165 χ^2/NDF : 1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF : 1101651.0/18

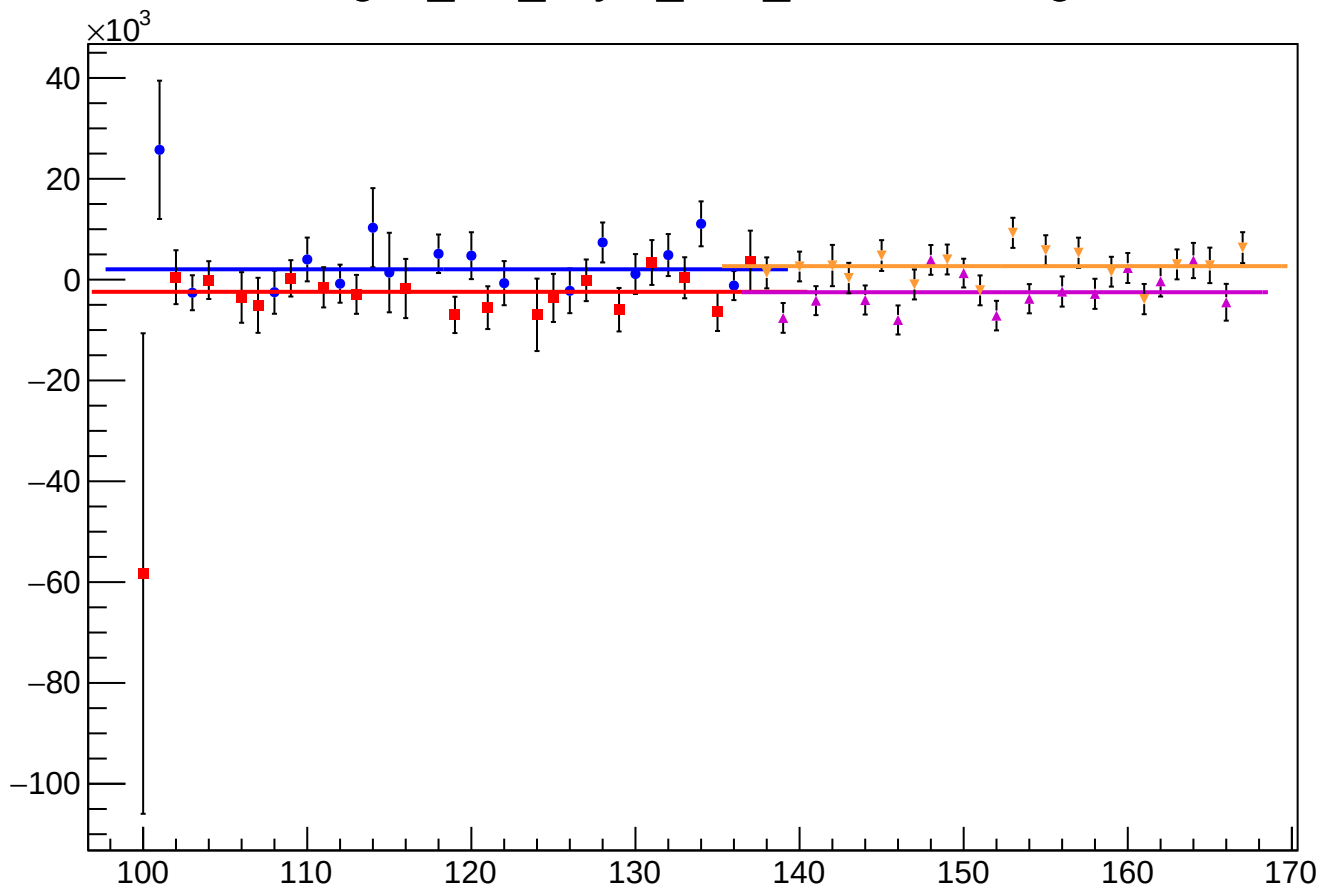
Left In: 789.558+/-0.168 χ^2/NDF : 821442.7/13

+ sign 698.376+/-0.117 χ^2/NDF : 3489469.4/31

All: 678.607+/-0.081 χ^2/NDF : 6551551.9/64

- sign 660.083+/-0.113 χ^2/NDF : 3006530.1/32

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 2673.194 $\pm$ 766.899 χ^2 /NDF: 18.7/15

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

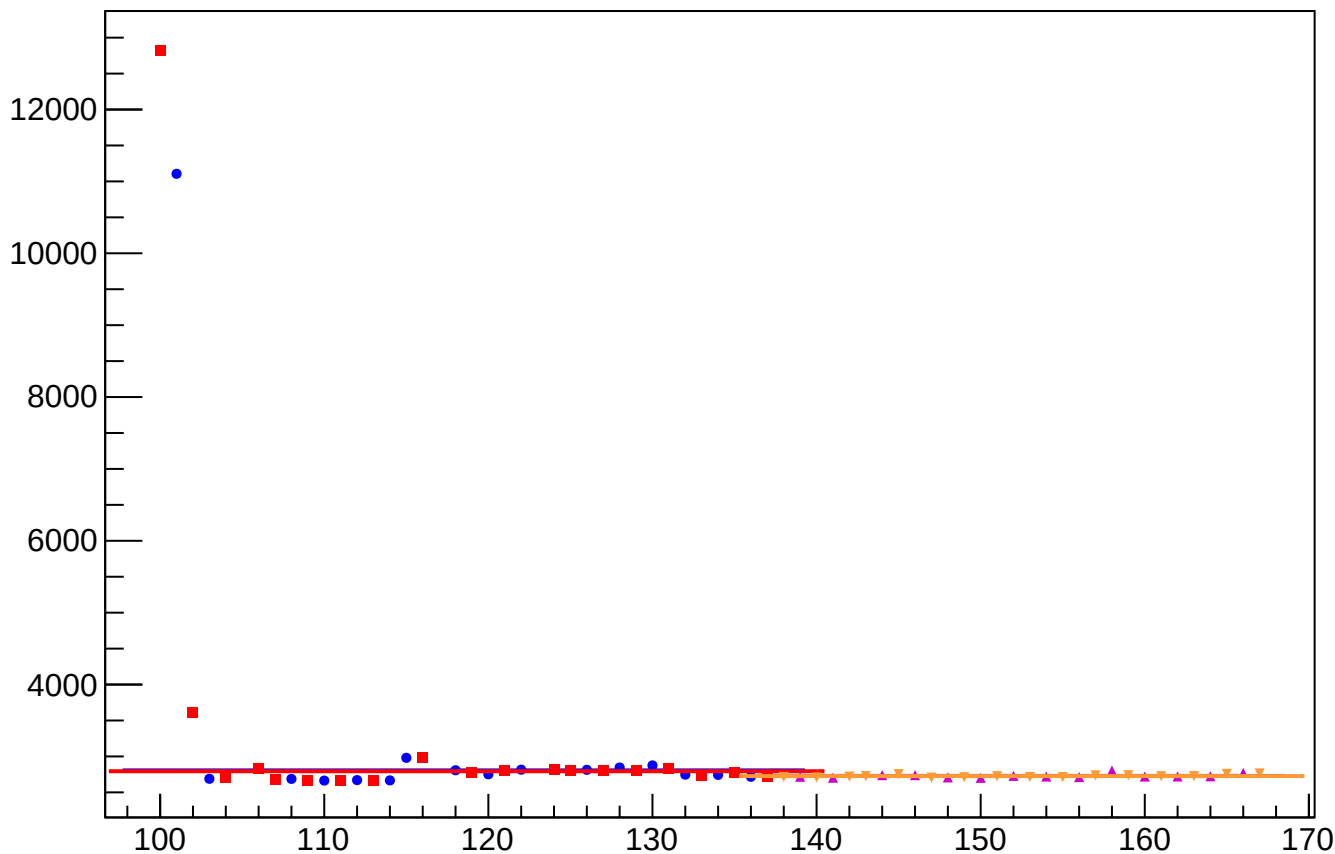
Left In: -2498.235 $\pm$ 802.964 χ^2 /NDF: 23.1/13

+ sign 2461.361 $\pm$ 623.409 χ^2 /NDF: 36.7/31

All: 42.322 $\pm$ 444.886 χ^2 /NDF: 101.3/64

- sign -2468.157 $\pm$ 635.082 χ^2 /NDF: 33.9/32

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF : 1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

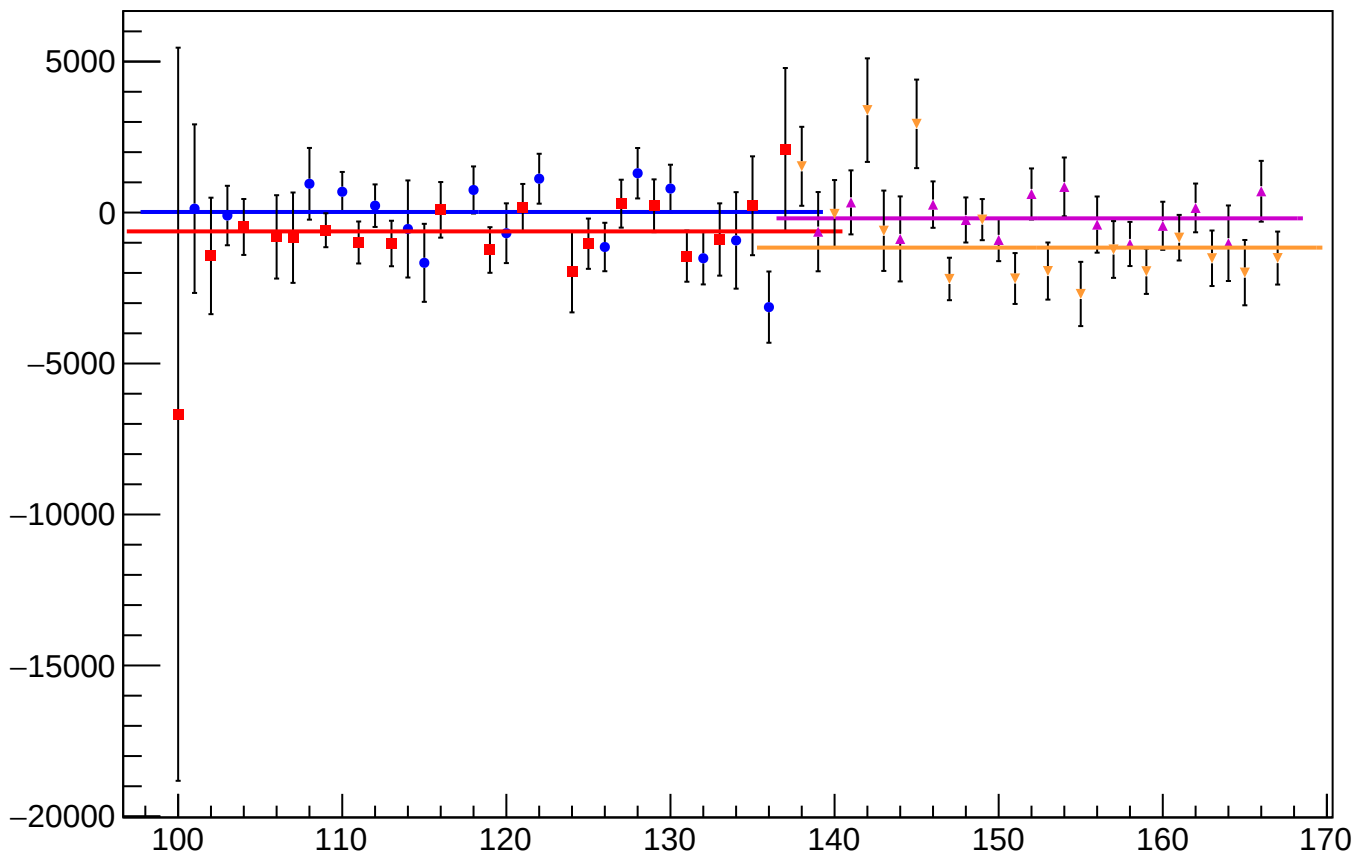
Left In: 2728.555+/-0.568 χ^2/NDF : 2122.7/13

+ sign 2753.264+/-0.441 χ^2/NDF : 754448.7/31

All: 2753.193+/-0.315 χ^2/NDF : 908314.4/64

- sign 2753.119+/-0.449 χ^2/NDF : 153865.7/32

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: -1161.536 ± 233.473 χ^2/NDF : 30.7/15

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

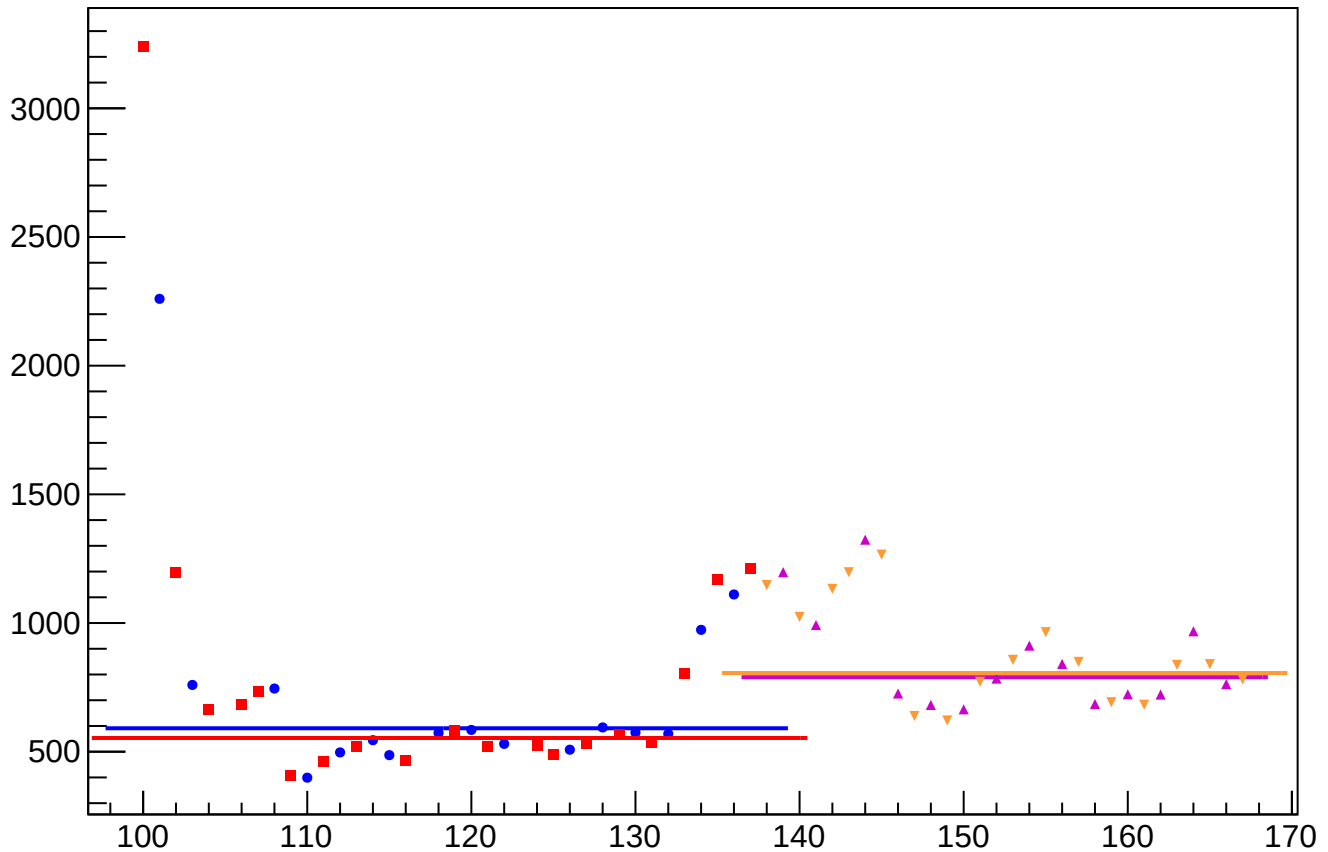
Left In: -192.028 ± 237.664 χ^2/NDF : 6.9/13

+ sign -571.293 ± 165.090 χ^2/NDF : 66.2/31

All: -497.736 ± 114.823 χ^2/NDF : 84.5/64

- sign -428.811 ± 159.806 χ^2/NDF : 17.9/32

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039 $\pm$ 0.165 χ^2/NDF : 1566635.0/15

Left Out: 805.715 $\pm$ 0.165 χ^2/NDF :1077371.5/15

+ sign 698.376 $\pm$ 0.117 χ^2/NDF : 3489469.4/31

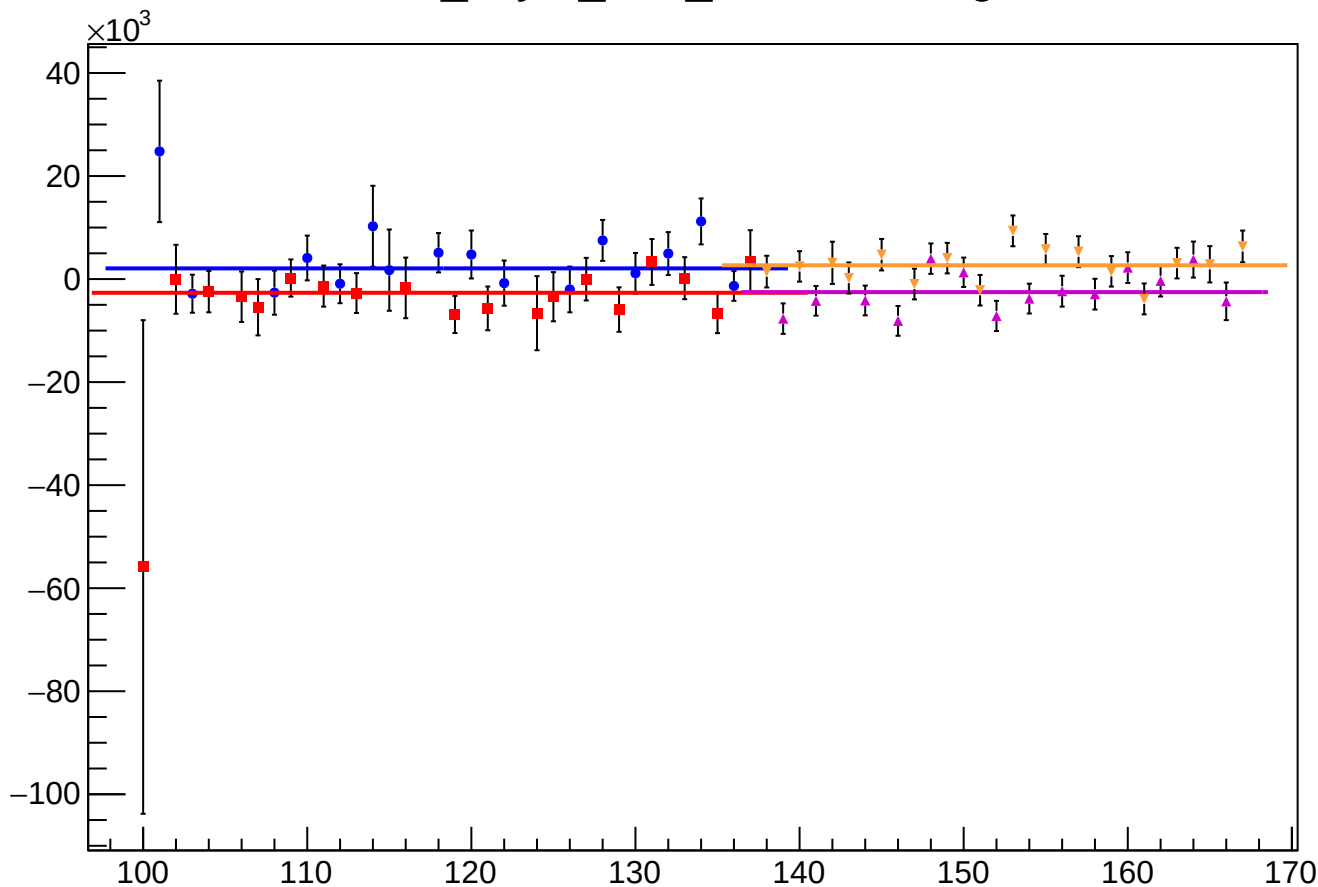
Right Out: 553.233 $\pm$ 0.153 χ^2/NDF : 1101651.0/18

All: 678.607 $\pm$ 0.081 χ^2/NDF : 6551551.9/64

- sign 660.083 $\pm$ 0.113 χ^2/NDF : 3006530.1/32

Left In: 789.558 $\pm$ 0.168 χ^2/NDF :821442.7/13

dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2 /NDF: 17.9/15

Left Out: 2677.397 $\pm$ 767.449 χ^2 /NDF: 18.9/15

Right Out: -2657.301 $\pm$ 1049.868 χ^2 /NDF: 9.9/18

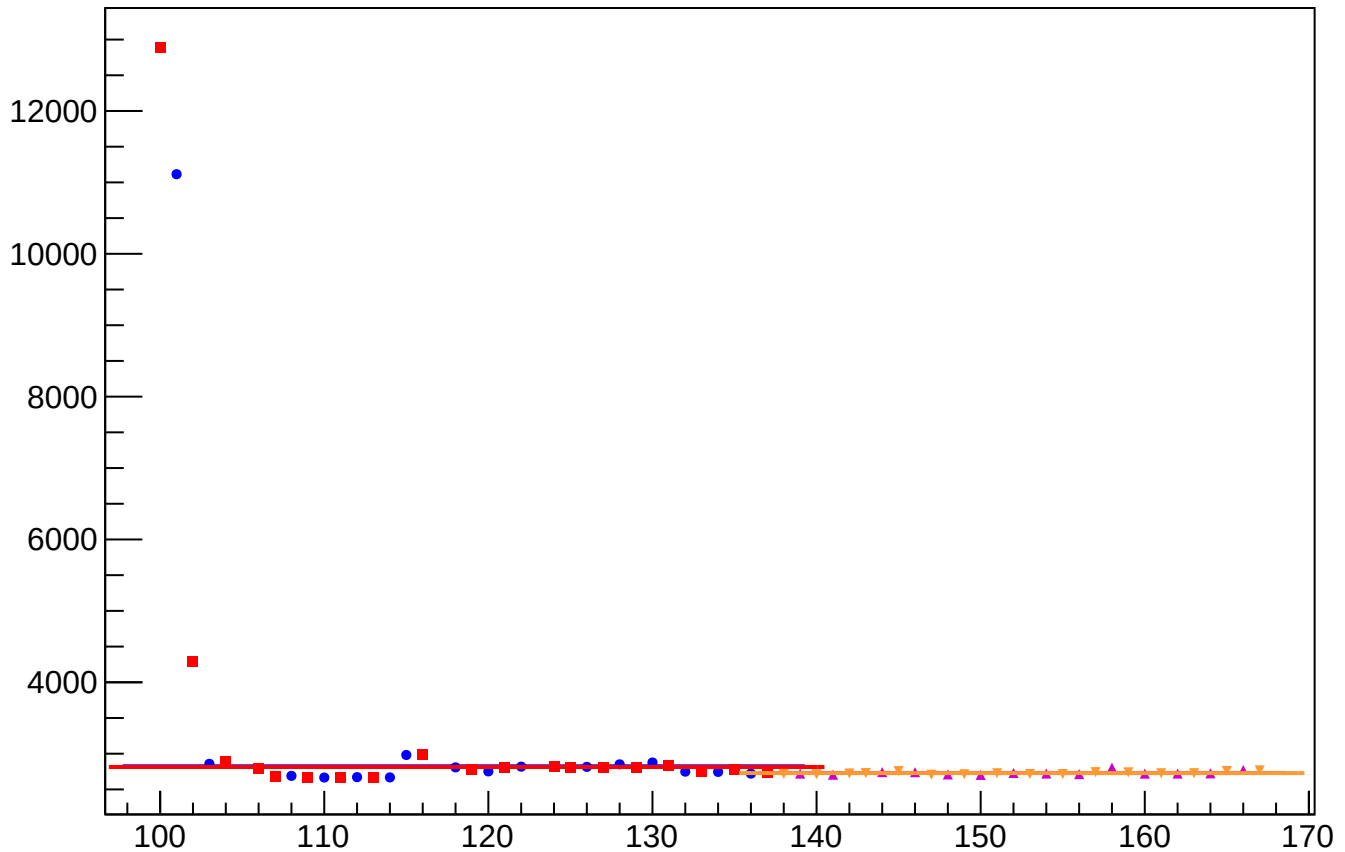
Left In: -2529.053 $\pm$ 803.444 χ^2 /NDF: 23.3/13

+ sign 2474.496 $\pm$ 625.038 χ^2 /NDF: 36.9/31

All: 1.046 $\pm$ 446.496 χ^2 /NDF: 102.2/64

- sign -2576.421 $\pm$ 638.045 χ^2 /NDF: 33.3/32

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF :1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.9/18

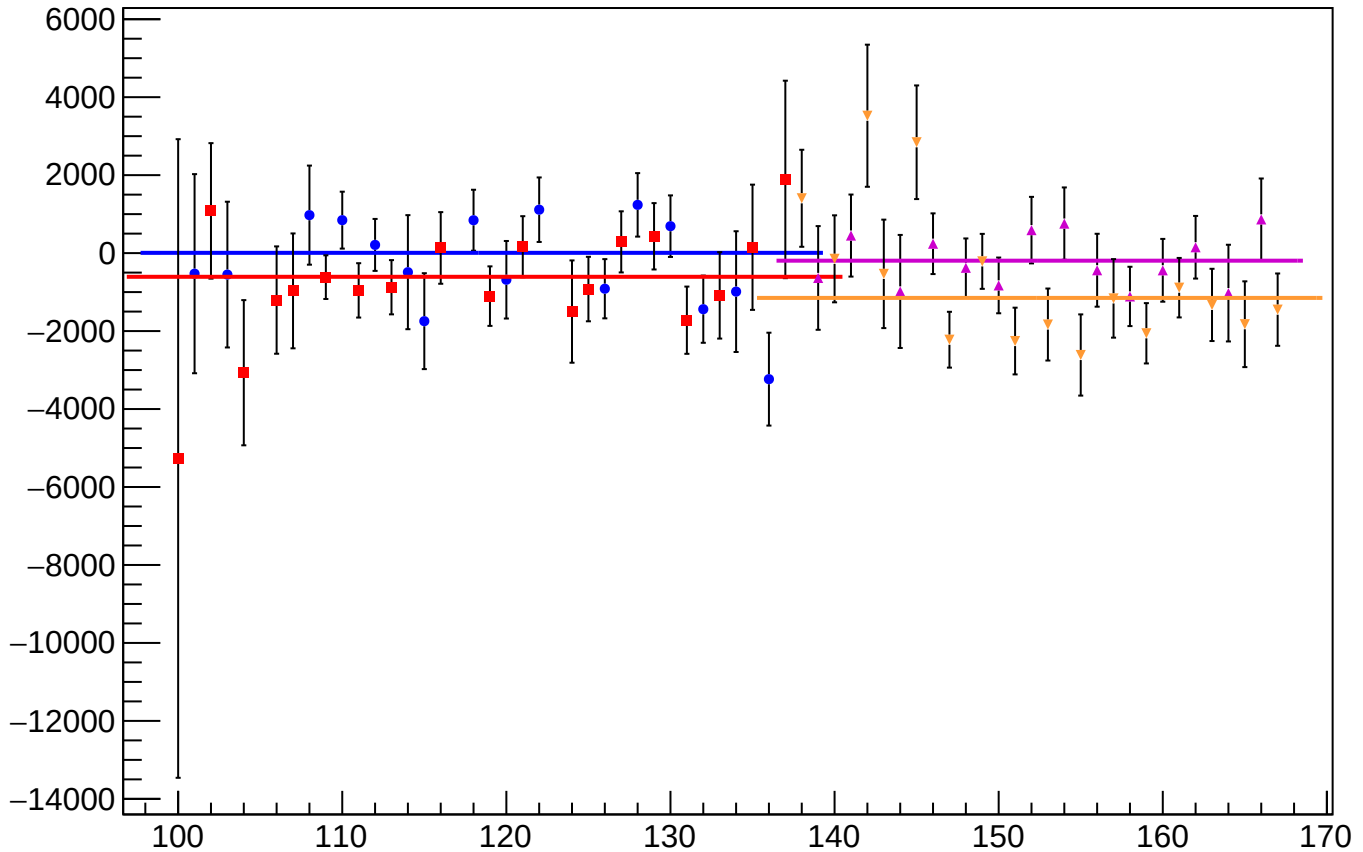
Left In: 2730.176+/-0.568 χ^2/NDF :2136.9/13

+ sign 2760.417+/-0.442 χ^2/NDF : 755294.6/31

All: 2760.737+/-0.316 χ^2/NDF : 965950.9/64

- sign 2761.070+/-0.451 χ^2/NDF : 210655.2/32

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048 ± 237.455 χ^2/NDF : 22.8/15

Left Out: -1149.276 ± 237.795 χ^2/NDF : 29.5/15

Right Out: -607.647 ± 217.093 χ^2/NDF : 12.2/18

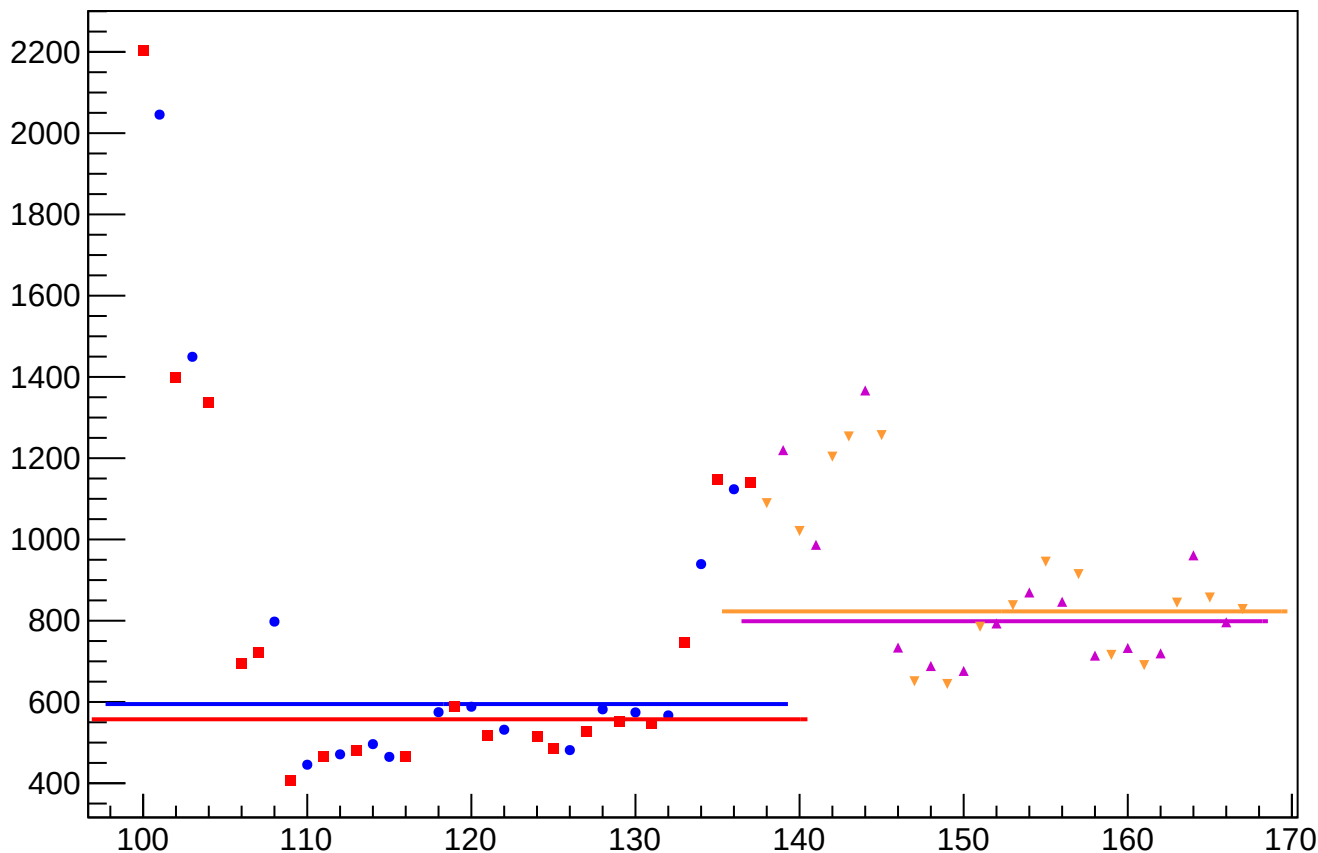
Left In: -194.172 ± 239.928 χ^2/NDF : 7.1/13

+ sign -570.287 ± 168.026 χ^2/NDF : 64.2/31

All: -492.716 ± 116.240 χ^2/NDF : 85.5/64

- sign -421.517 ± 160.977 χ^2/NDF : 20.9/32

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858 ± 0.168 $\chi^2/\text{NDF}: 1852655.3/15$

Left Out: 822.974 ± 0.168 $\chi^2/\text{NDF}: 1004394.6/15$

+ sign 708.753 ± 0.119 $\chi^2/\text{NDF}: 3778622.5/31$

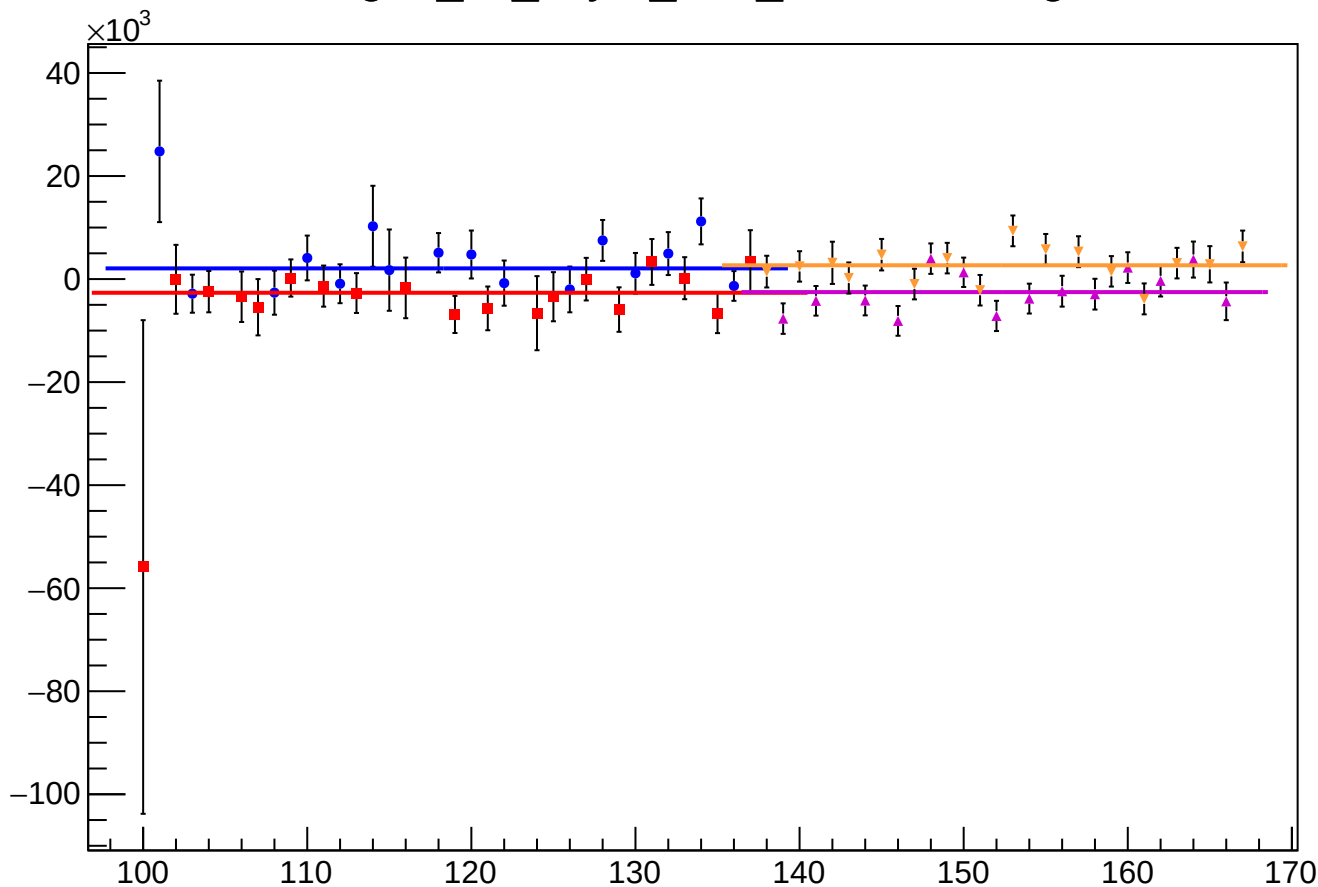
Right Out: 557.397 ± 0.154 $\chi^2/\text{NDF}: 1631309.6/18$

All: 686.486 ± 0.082 $\chi^2/\text{NDF}: 7385386.1/64$

- sign 666.049 ± 0.114 $\chi^2/\text{NDF}: 3539403.7/32$

Left In: 798.758 ± 0.170 $\chi^2/\text{NDF}: 795234.9/13$

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2 /NDF: 17.9/15

Left Out: 2677.398 $\pm$ 767.449 χ^2 /NDF: 18.9/15

Right Out: -2657.300 $\pm$ 1049.868 χ^2 /NDF: 9.9/18

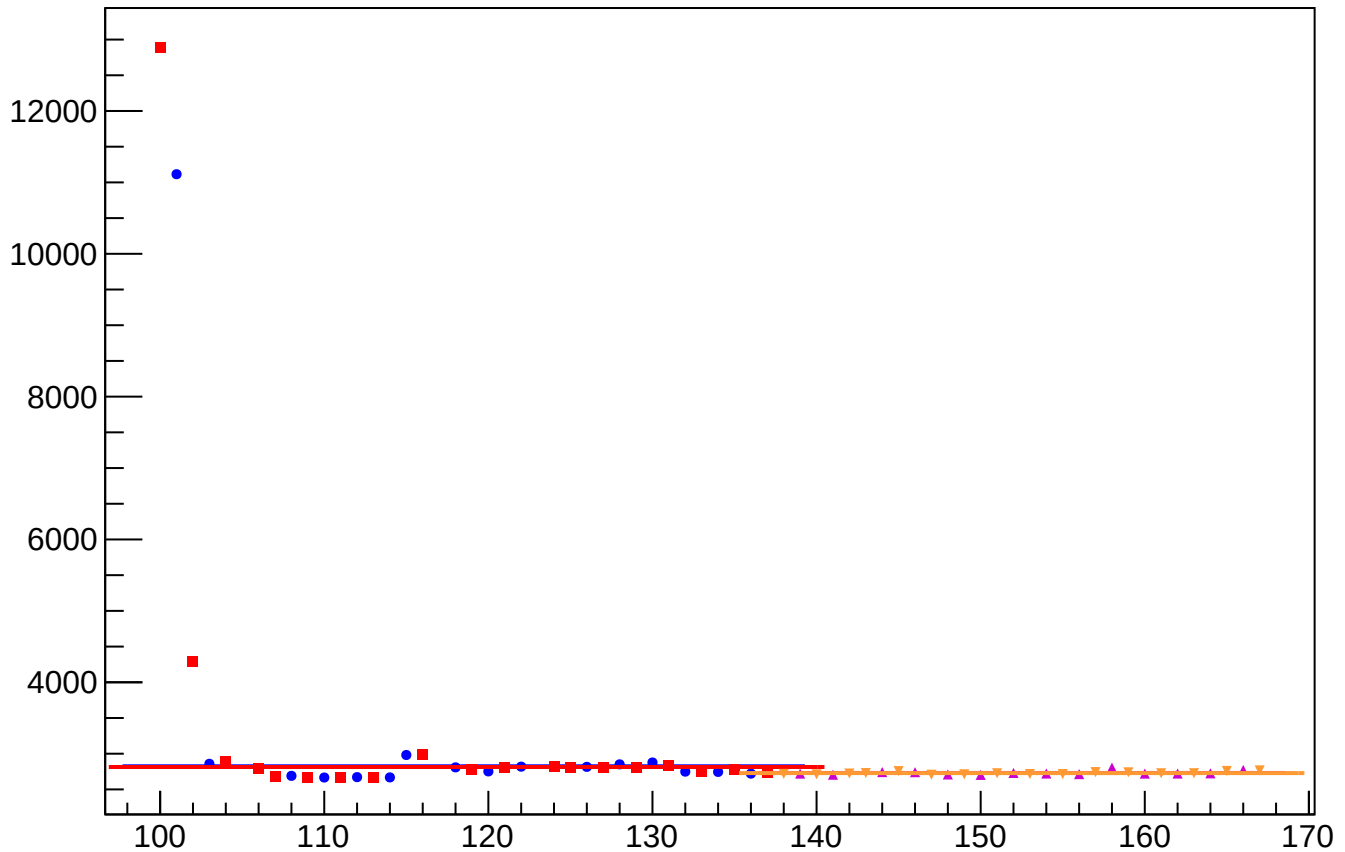
Left In: -2529.053 $\pm$ 803.444 χ^2 /NDF: 23.3/13

+ sign 2474.496 $\pm$ 625.038 χ^2 /NDF: 36.9/31

All: 1.046 $\pm$ 446.496 χ^2 /NDF: 102.2/64

- sign -2576.420 $\pm$ 638.045 χ^2 /NDF: 33.3/32

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF : 1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.7/18

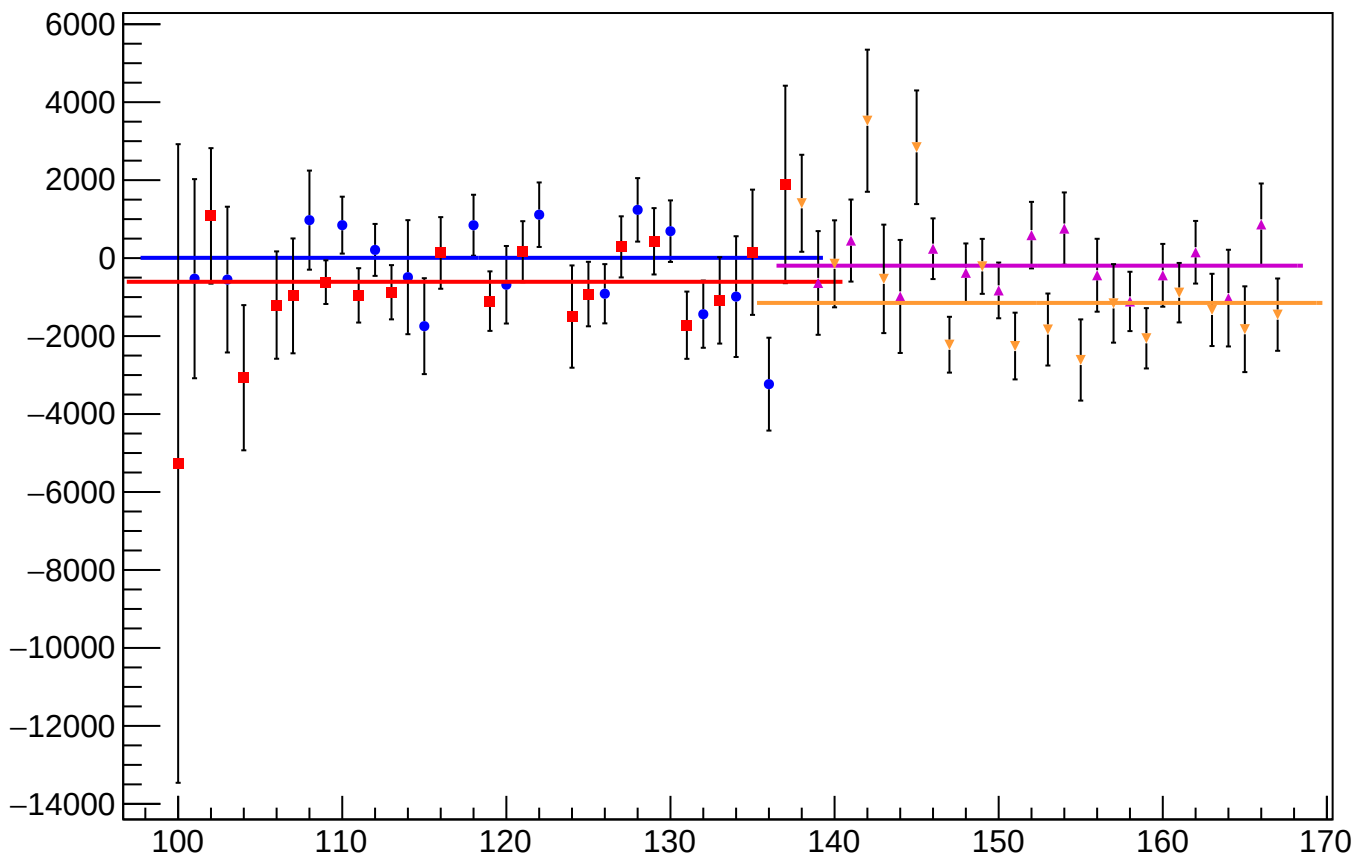
Left In: 2730.176+/-0.568 χ^2/NDF : 2136.9/13

+ sign 2760.417+/-0.442 χ^2/NDF : 755294.6/31

All: 2760.737+/-0.316 χ^2/NDF : 965950.7/64

- sign 2761.070+/-0.451 χ^2/NDF : 210655.0/32

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049 ± 237.455 χ^2/NDF : 22.8/15

Left Out: -1149.277 ± 237.795 χ^2/NDF : 29.5/15

Right Out: -607.647 ± 217.094 χ^2/NDF : 12.2/18

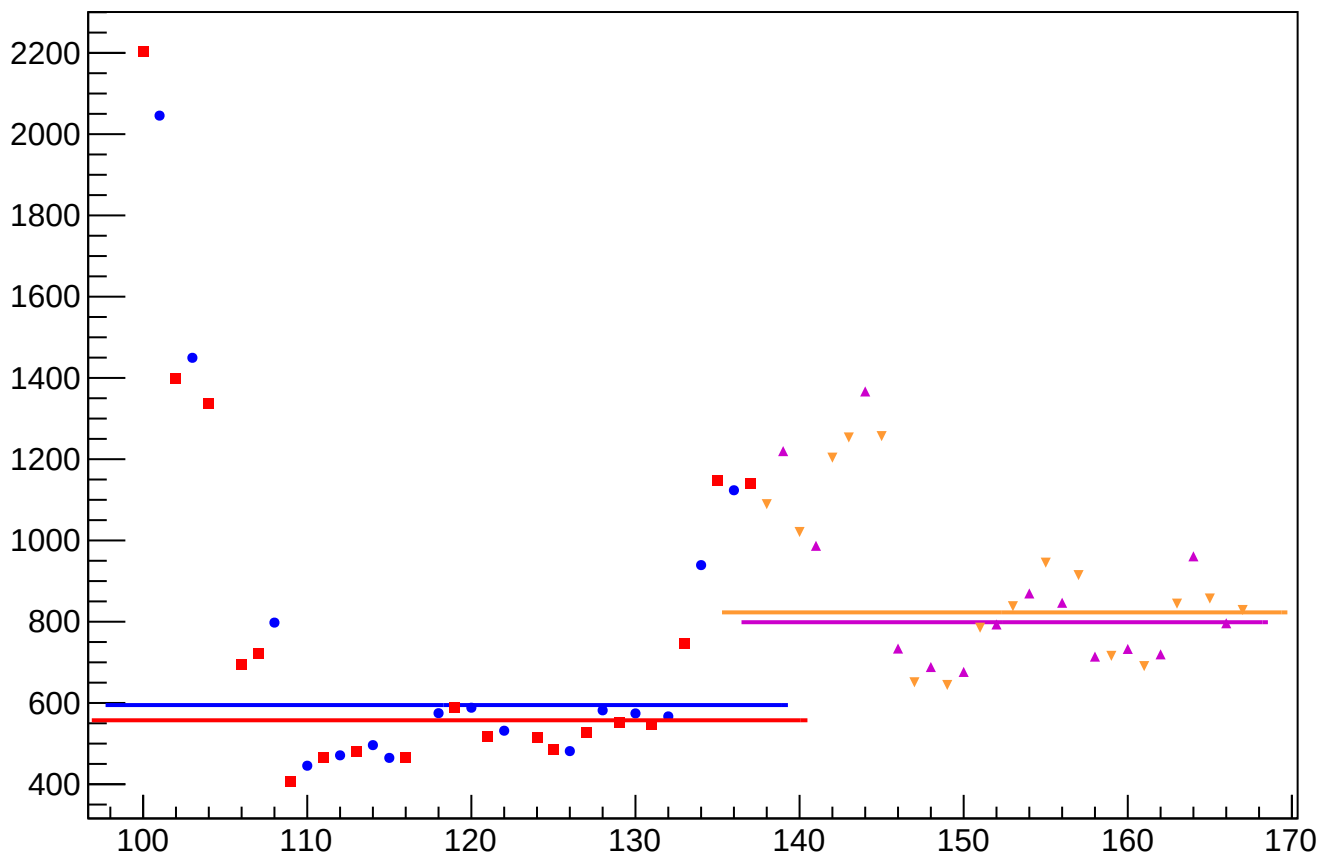
Left In: -194.172 ± 239.928 χ^2/NDF : 7.1/13

+ sign -570.287 ± 168.026 χ^2/NDF : 64.2/31

All: -492.716 ± 116.240 χ^2/NDF : 85.5/64

- sign -421.517 ± 160.977 χ^2/NDF : 20.9/32

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858 $\pm$ 0.168 χ^2 /NDF: 1852649.9/15

Left Out: 822.975 $\pm$ 0.168 χ^2 /NDF: 1004396.7/15

Right Out: 557.397 $\pm$ 0.154 χ^2 /NDF: 1631307.0/18

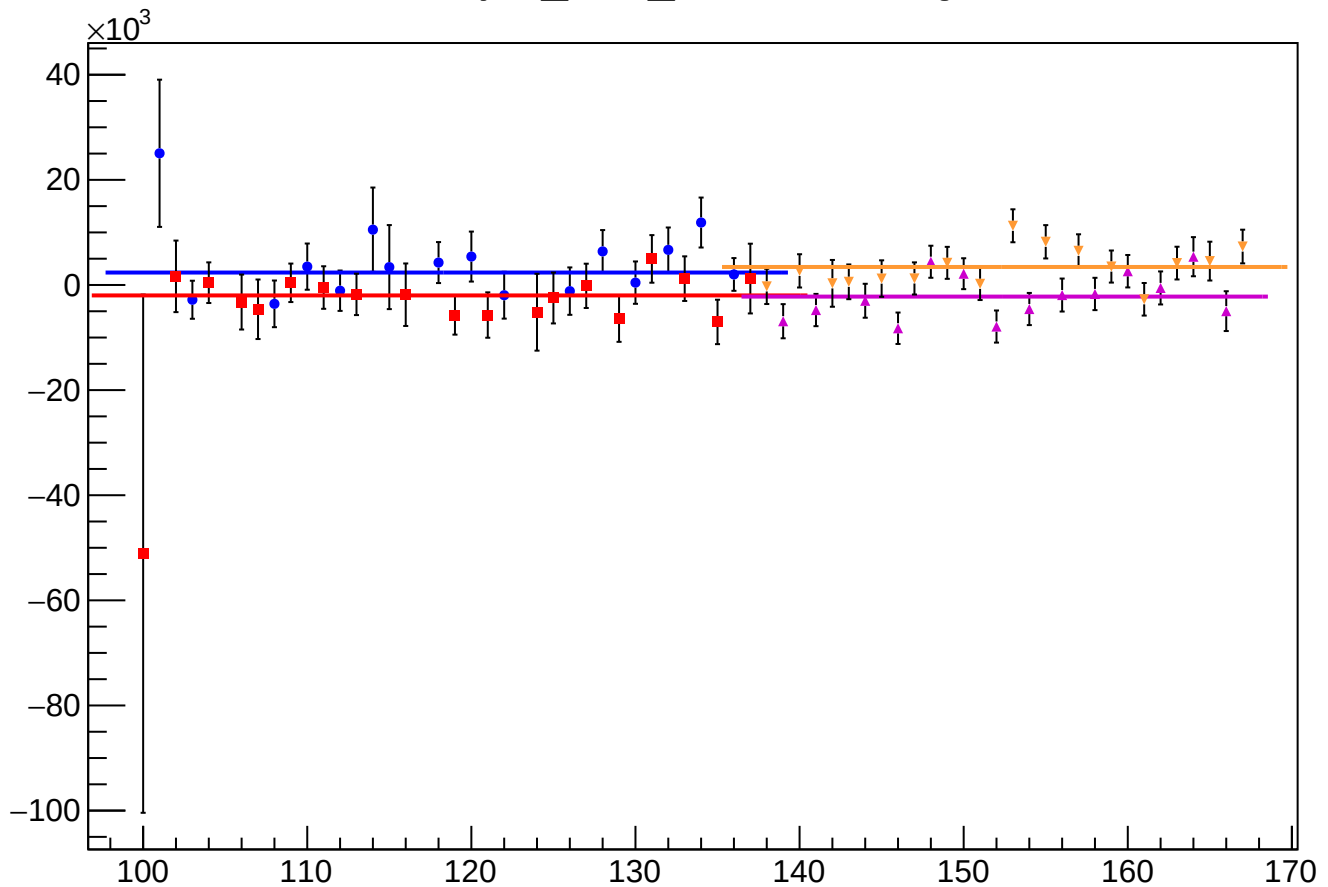
Left In: 798.758 $\pm$ 0.170 χ^2 /NDF: 795237.0/13

+ sign 708.753 $\pm$ 0.119 χ^2 /NDF: 3778615.6/31

All: 686.486 $\pm$ 0.082 χ^2 /NDF: 7385376.9/64

- sign 666.049 $\pm$ 0.114 χ^2 /NDF: 3539400.6/32

asym_atr1_mean vs Slug



Right In: 2367.173 ± 1106.203 χ^2/NDF : 16.8/15

Left Out: 3426.056 ± 810.764 χ^2/NDF : 19.6/15

Right Out: -1987.039 ± 1075.310 χ^2/NDF : 10.3/18

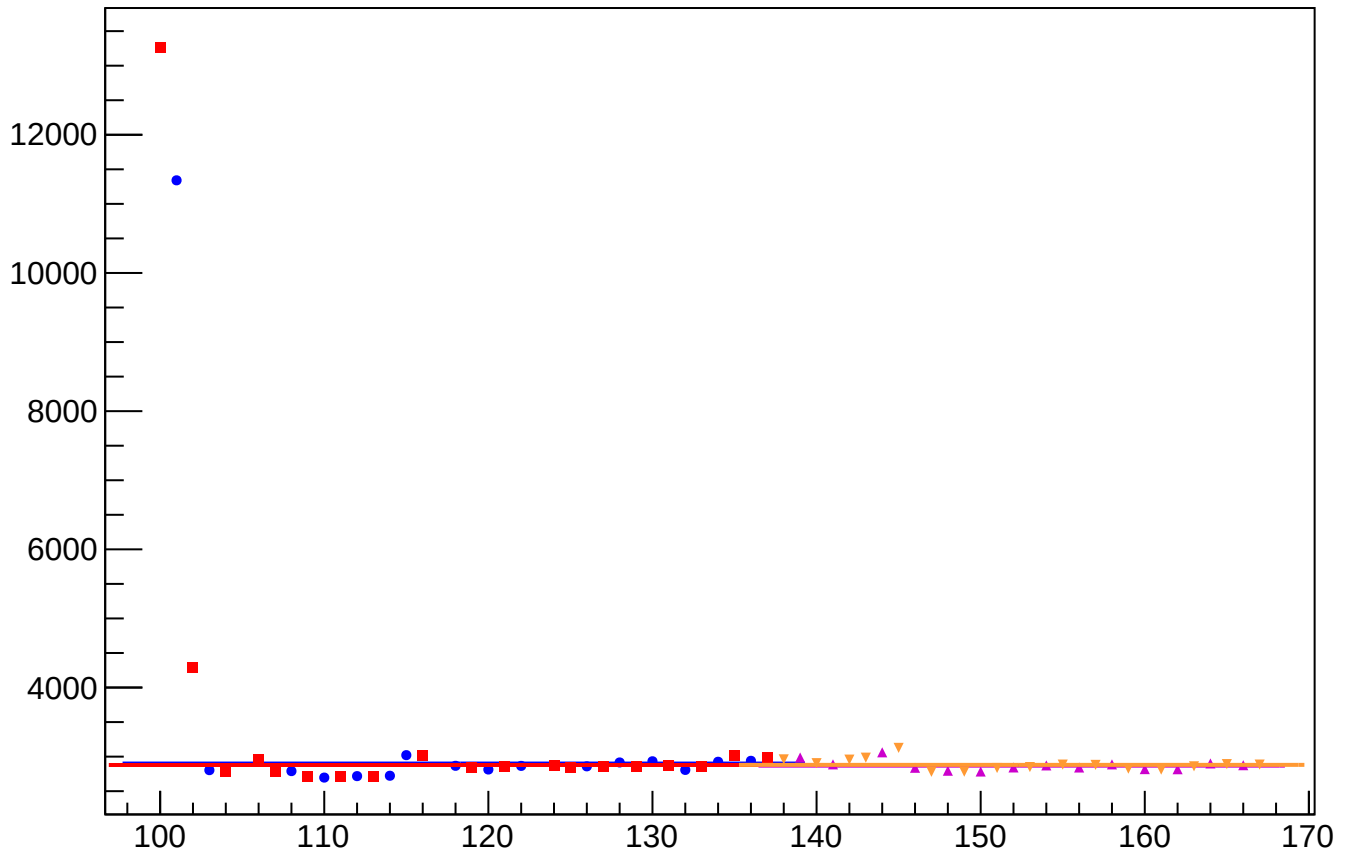
Left In: -2209.226 ± 844.698 χ^2/NDF : 25.3/13

+ sign 3056.021 ± 653.932 χ^2/NDF : 37.0/31

All: 506.371 ± 466.008 χ^2/NDF : 103.6/64

- sign -2124.440 ± 664.258 χ^2/NDF : 35.7/32

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF : 741818.2/15

Left Out: 2880.837+/-0.573 χ^2/NDF : 20534.5/15

Right Out: 2878.957+/-0.760 χ^2/NDF : 193282.4/18

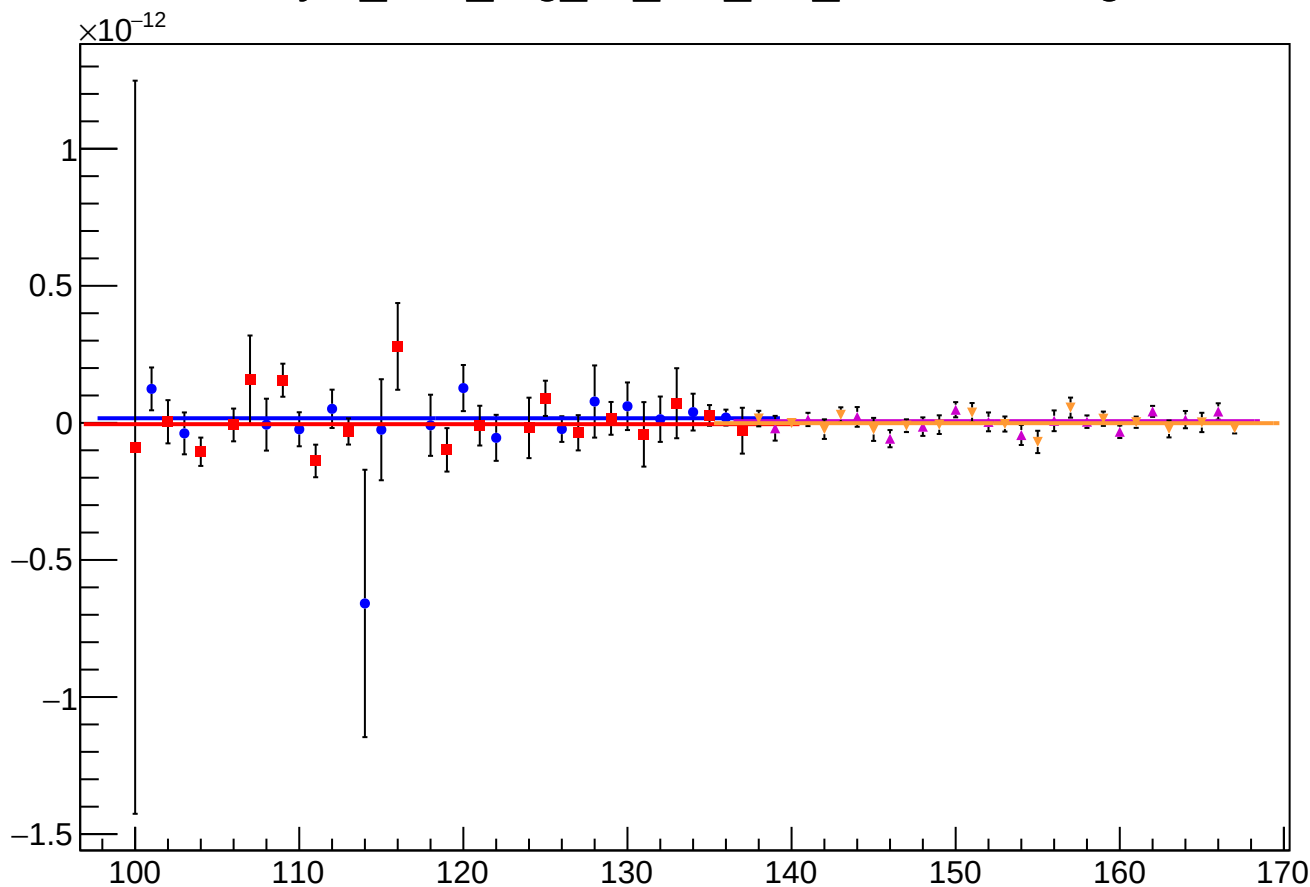
Left In: 2869.342+/-0.597 χ^2/NDF : 14469.1/13

+ sign 2887.473+/-0.462 χ^2/NDF : 762736.1/31

All: 2880.355+/-0.330 χ^2/NDF : 971068.0/64

- sign 2873.011+/-0.470 χ^2/NDF : 207850.5/32

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 8.9/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 10.7/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.7/18

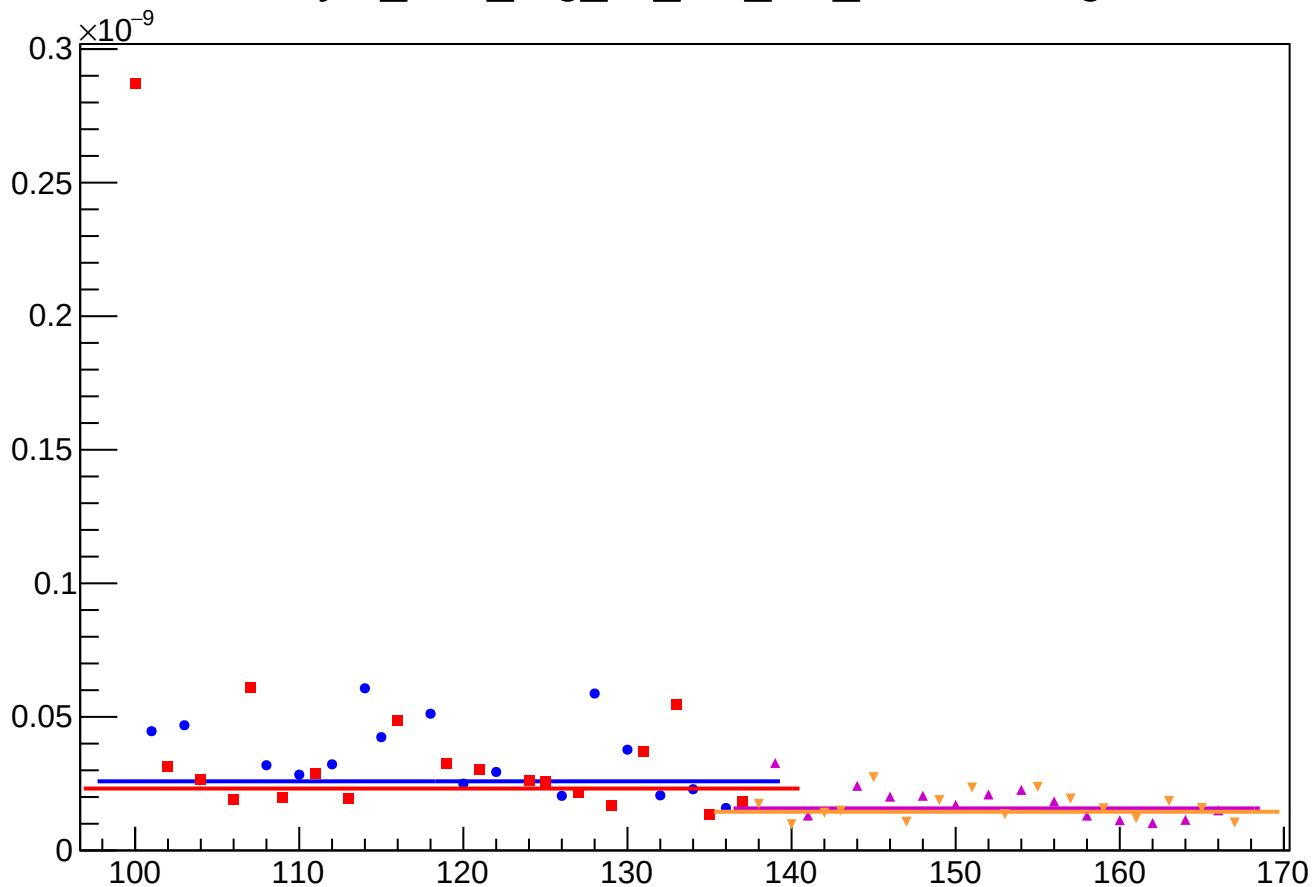
Left In: 0.000 ± 0.000 χ^2/NDF : 16.7/13

+ sign 0.000 ± 0.000 χ^2/NDF : 20.5/31

All: 0.000 ± 0.000 χ^2/NDF : 63.5/64

- sign 0.000 ± 0.000 χ^2/NDF : 42.8/32

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 : 861545.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 688853.9/18

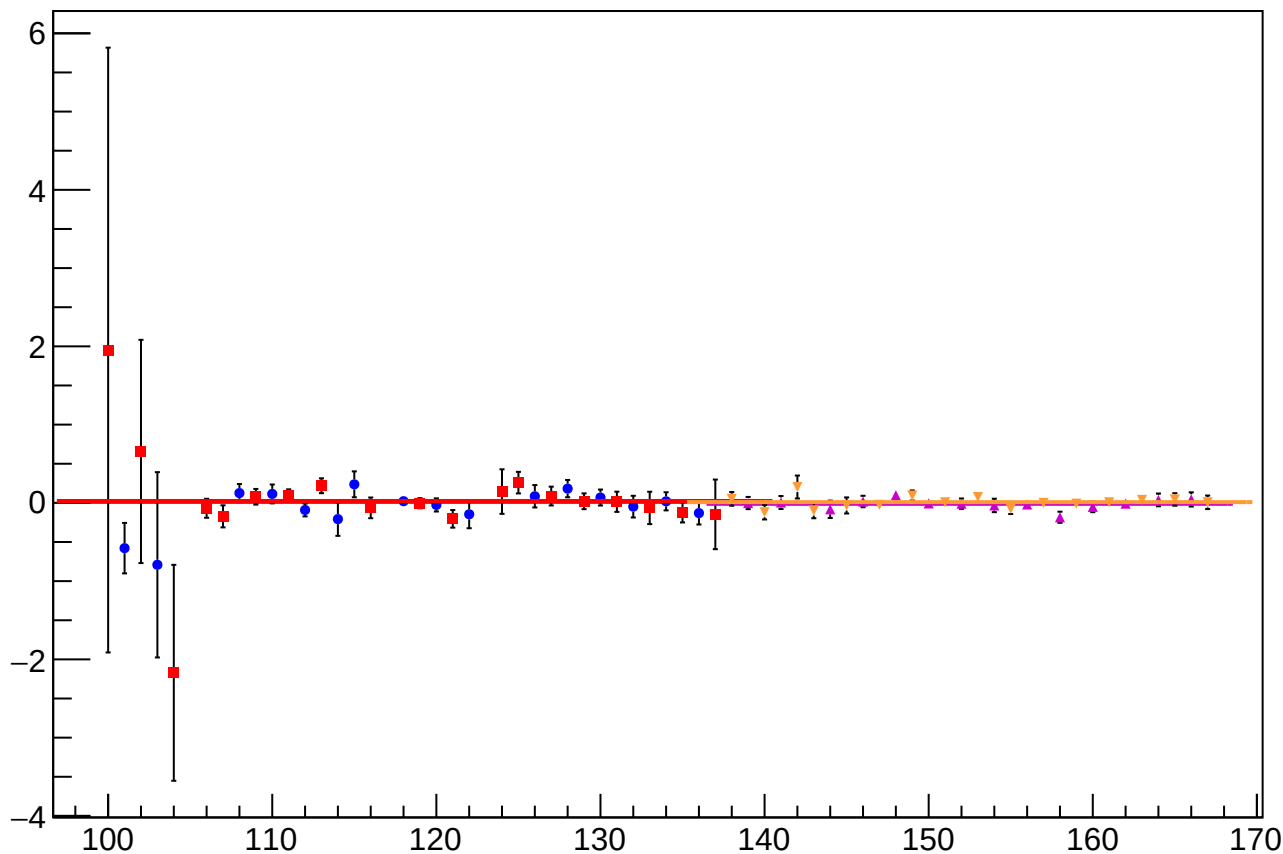
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 918942.9/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2510703.8/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4507655.3/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1969894.1/32

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: 0.010 $\pm$ 0.017 χ^2 /NDF:10.8/15

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

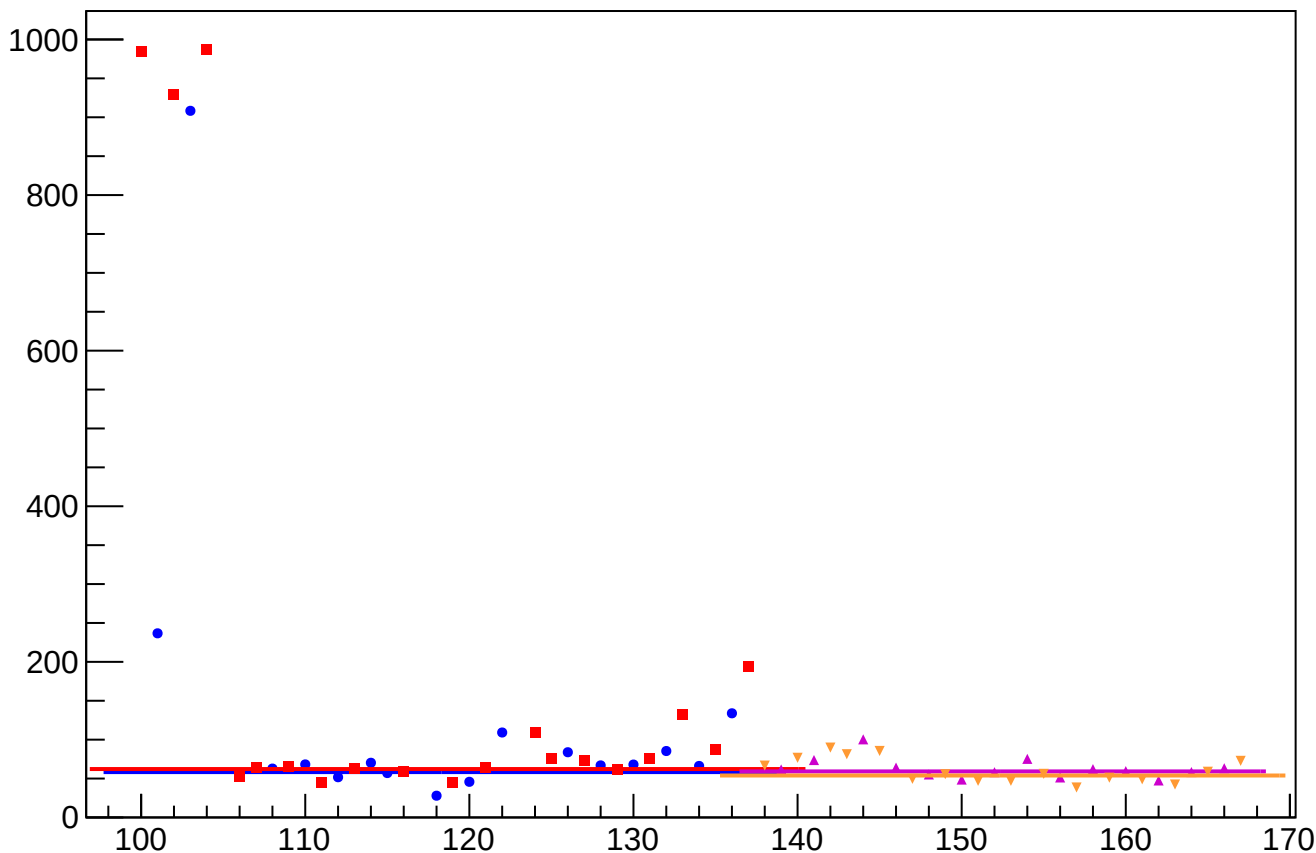
Left In: -0.012 $\pm$ 0.019 χ^2 /NDF:10.6/13

+ sign 0.011 $\pm$ 0.015 χ^2 /NDF: 25.9/31

All: 0.006 $\pm$ 0.011 χ^2 /NDF: 58.7/64

- sign -0.001 $\pm$ 0.016 χ^2 /NDF: 32.5/32

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313 ± 0.020 $\chi^2/\text{NDF}: 3260404.3/15$

Left Out: 53.922 ± 0.012 $\chi^2/\text{NDF}: 1045261.0/15$

Right Out: 62.235 ± 0.020 $\chi^2/\text{NDF}: 2627030.1/18$

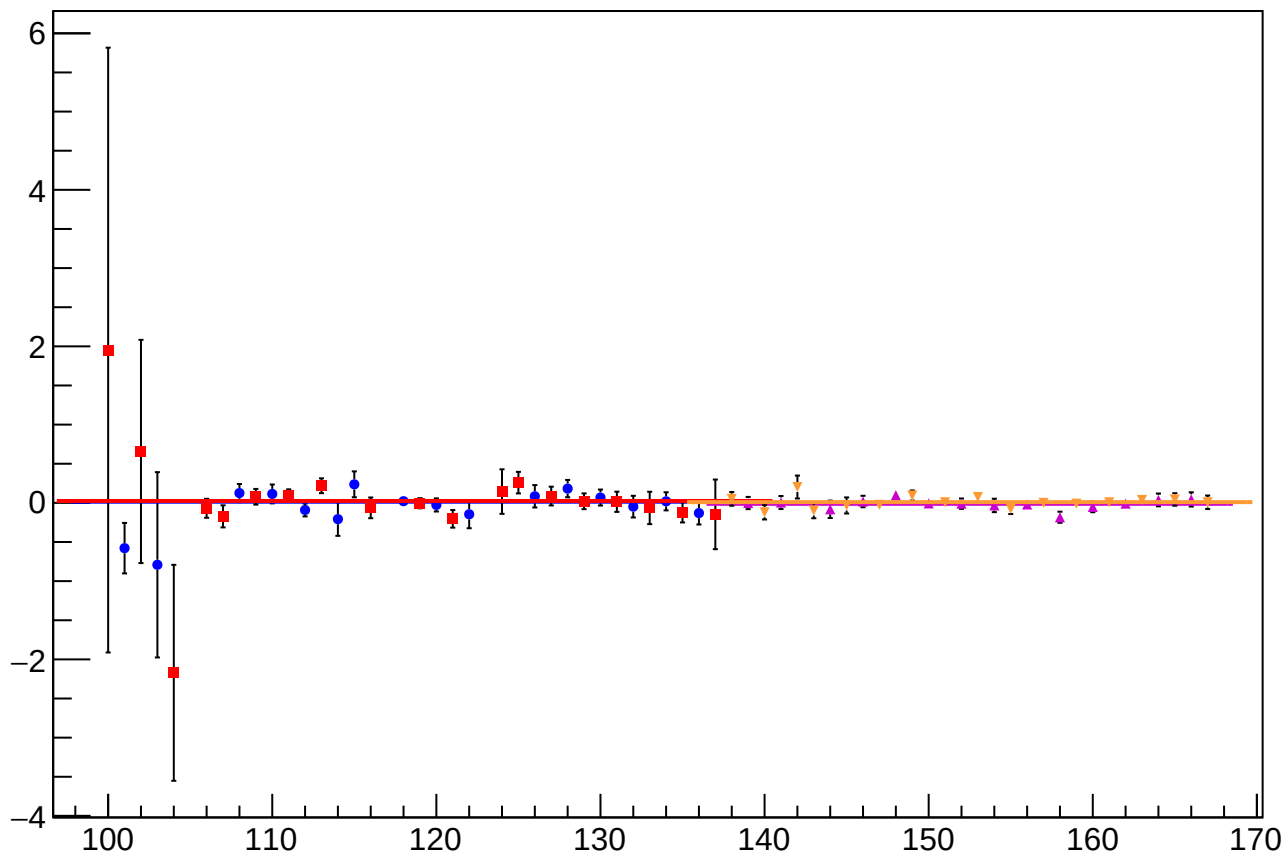
Left In: 59.185 ± 0.013 $\chi^2/\text{NDF}: 614648.1/13$

+ sign 55.152 ± 0.010 $\chi^2/\text{NDF}: 4341500.4/31$

All: 57.481 ± 0.008 $\chi^2/\text{NDF}: 7706748.1/64$

- sign 60.150 ± 0.011 $\chi^2/\text{NDF}: 3257866.9/32$

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: 0.010 $\pm$ 0.017 χ^2 /NDF:10.8/15

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

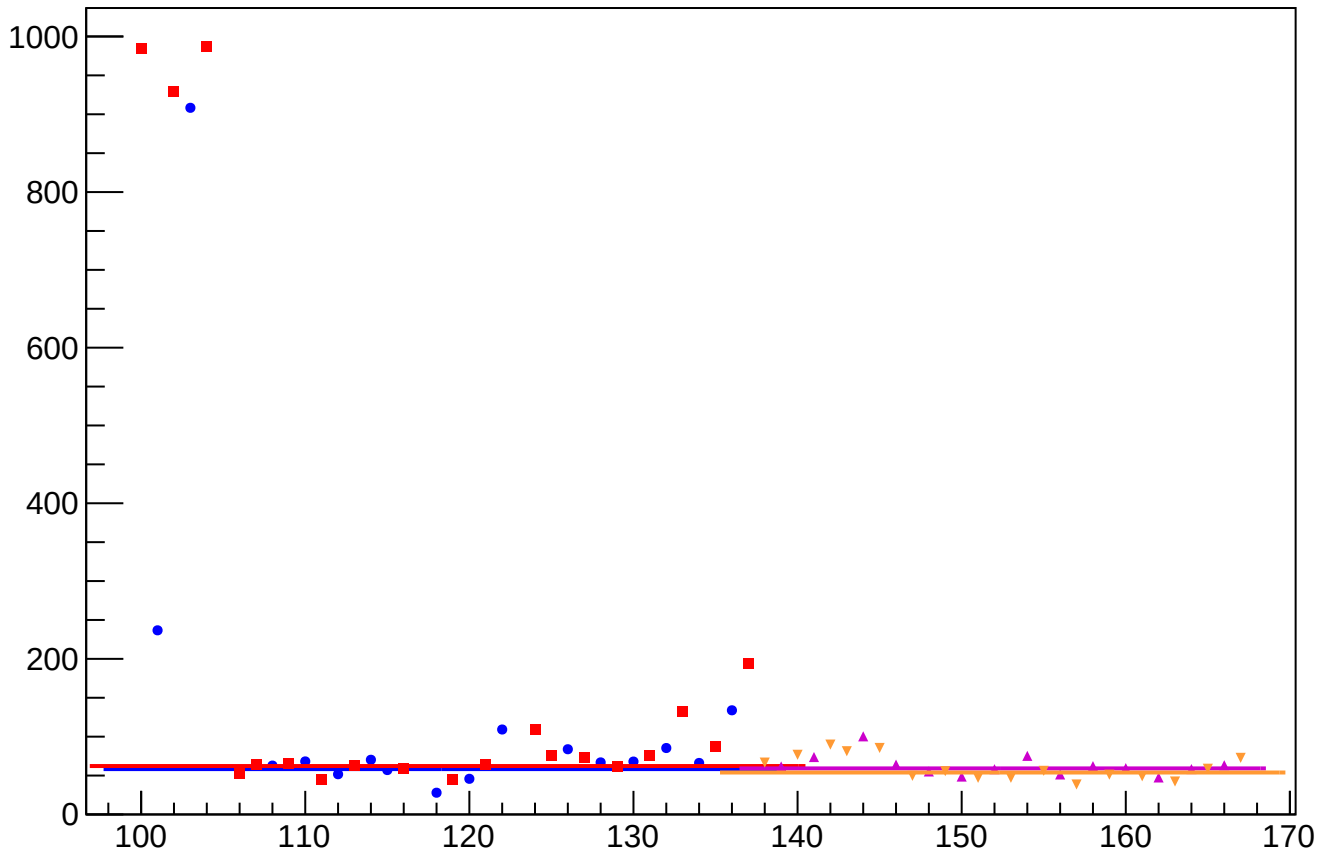
Left In: -0.012 $\pm$ 0.019 χ^2 /NDF:10.6/13

+ sign 0.011 $\pm$ 0.015 χ^2 /NDF: 25.9/31

All: 0.006 $\pm$ 0.011 χ^2 /NDF: 58.7/64

- sign -0.001 $\pm$ 0.016 χ^2 /NDF: 32.5/32

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: 53.922 $\pm$ 0.012 χ^2 /NDF: 1045261.0/15

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627030.1/18

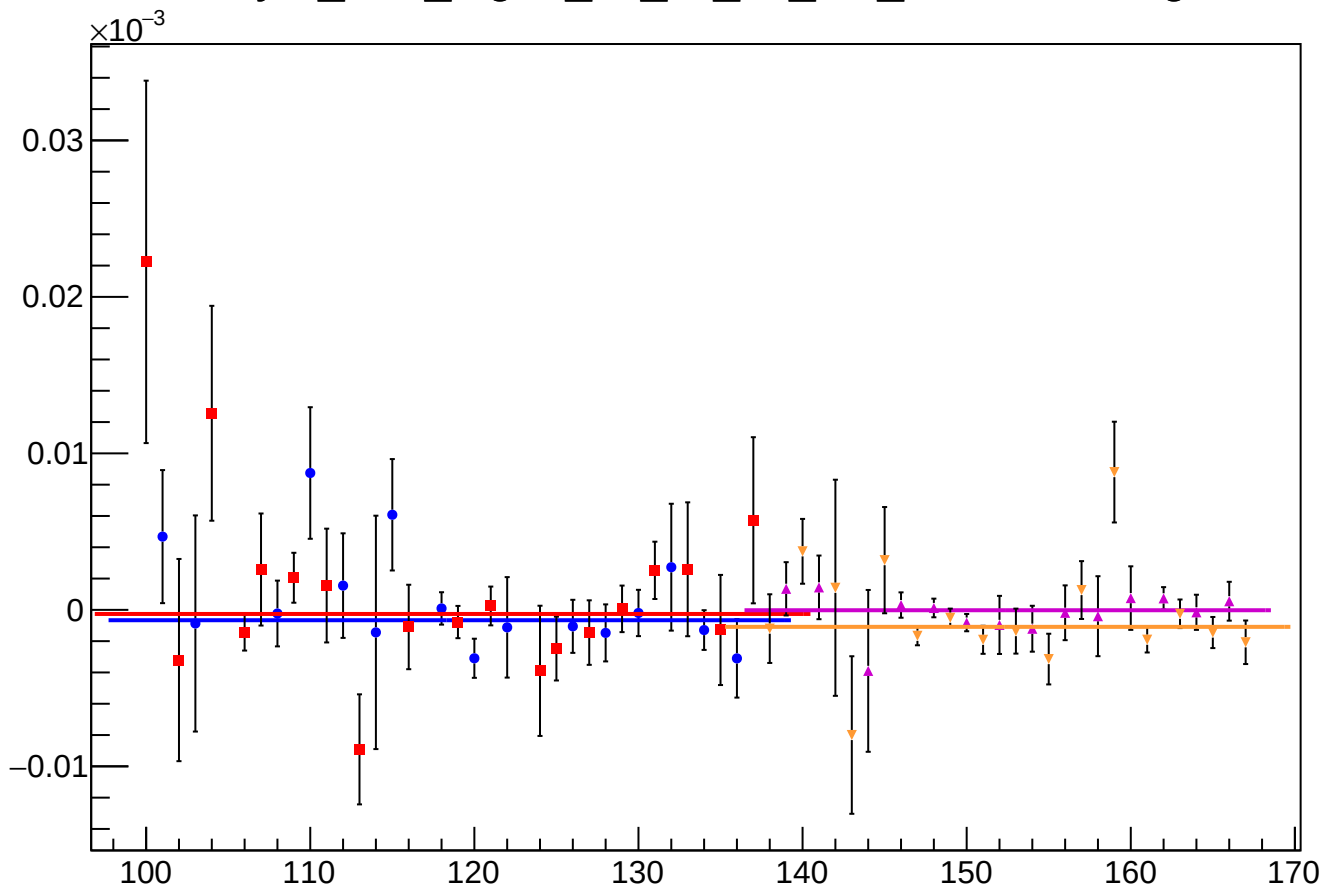
Left In: 59.185 $\pm$ 0.013 χ^2 /NDF: 614648.1/13

+ sign 55.152 $\pm$ 0.010 χ^2 /NDF: 4341500.4/31

All: 57.481 $\pm$ 0.008 χ^2 /NDF: 7706748.1/64

- sign 60.150 $\pm$ 0.011 χ^2 /NDF: 3257866.9/32

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.2/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 26.9/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.6/18

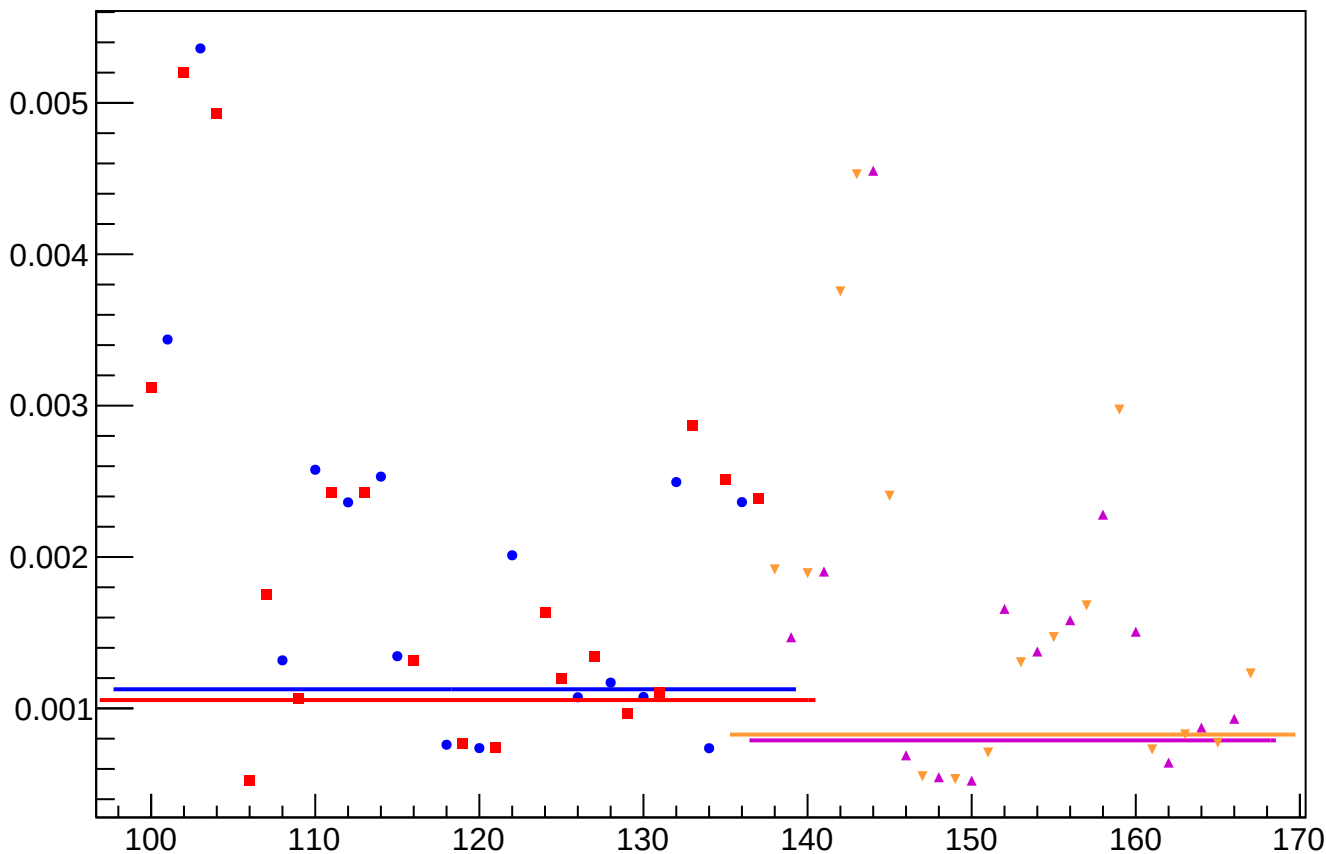
Left In: -0.000 ± 0.000 χ^2/NDF : 6.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 44.7/31

All: -0.000 ± 0.000 χ^2/NDF : 82.9/64

- sign -0.000 ± 0.000 χ^2/NDF : 31.2/32

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF : 5907996.8/15

Right Out: 0.001+/-0.000 χ^2/NDF : 3848500.2/18

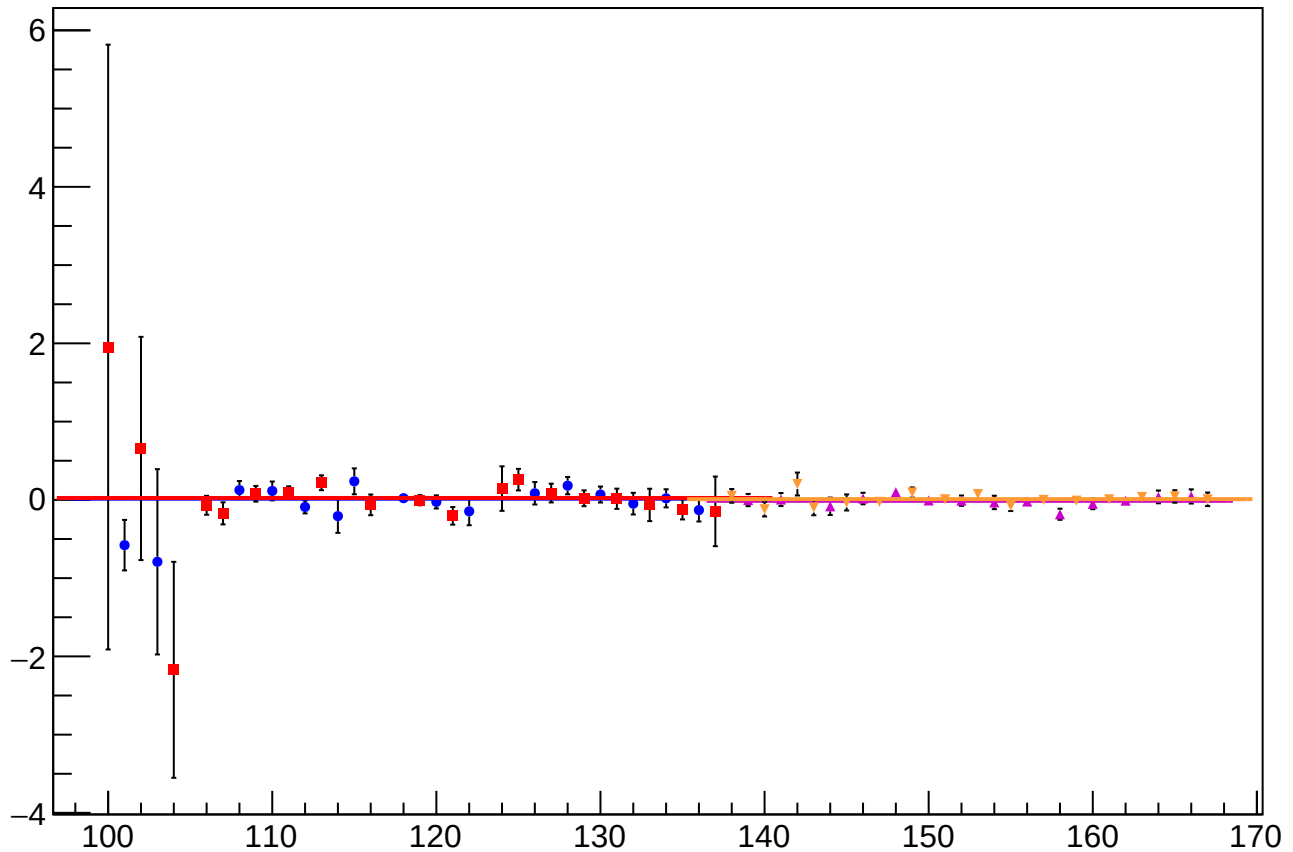
Left In: 0.001+/-0.000 χ^2/NDF : 5030123.8/13

+ sign 0.001+/-0.000 χ^2/NDF : 9925103.3/31

All: 0.001+/-0.000 χ^2/NDF : 19319222.6/64

- sign 0.001+/-0.000 χ^2/NDF : 9363940.8/32

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.028 χ^2/NDF : 15.0/15

Left Out: 0.010 ± 0.017 χ^2/NDF : 10.8/15

Right Out: 0.024 ± 0.028 χ^2/NDF : 20.8/18

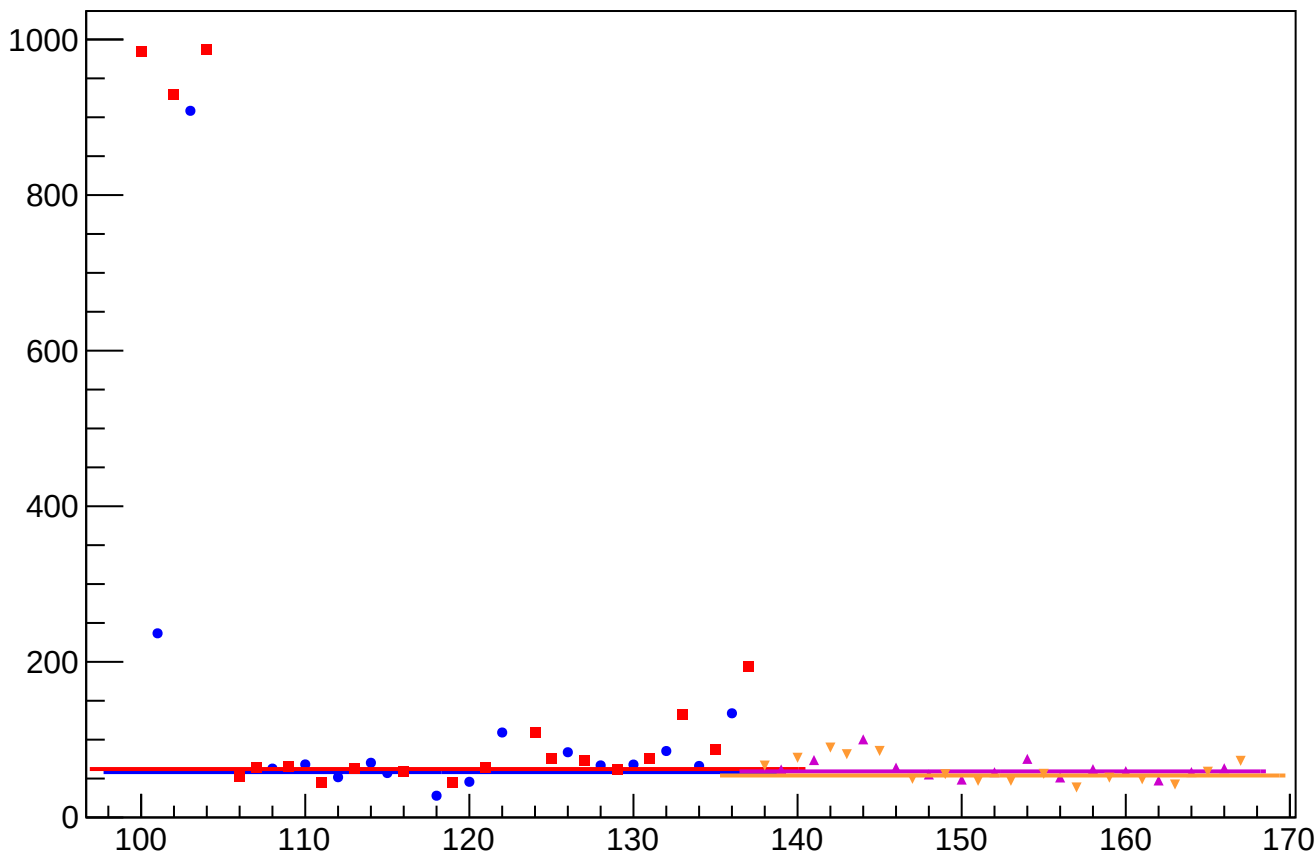
Left In: -0.012 ± 0.019 χ^2/NDF : 10.6/13

+ sign 0.011 ± 0.015 χ^2/NDF : 25.9/31

All: 0.006 ± 0.011 χ^2/NDF : 58.7/64

- sign -0.001 ± 0.016 χ^2/NDF : 32.5/32

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312 $\pm$ 0.020 χ^2 /NDF: 3260484.2/15

Left Out: 53.922 $\pm$ 0.012 χ^2 /NDF: 1045326.5/15

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627022.3/18

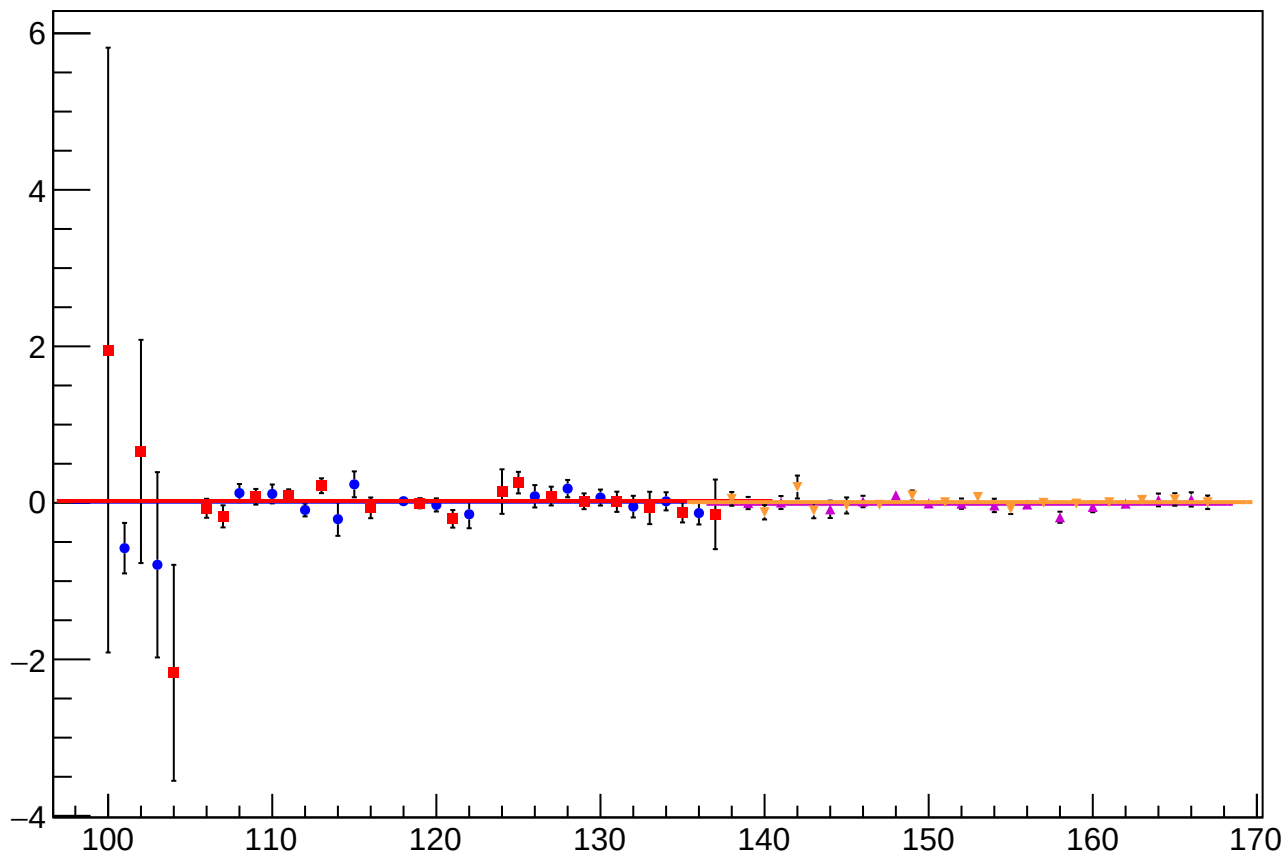
Left In: 59.185 $\pm$ 0.013 χ^2 /NDF: 614672.5/13

+ sign 55.151 $\pm$ 0.010 χ^2 /NDF: 4341643.5/31

All: 57.480 $\pm$ 0.008 χ^2 /NDF: 7706935.3/64

- sign 60.150 $\pm$ 0.011 χ^2 /NDF: 3257881.7/32

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.028 χ^2/NDF : 15.0/15

Left Out: 0.010 ± 0.017 χ^2/NDF : 10.8/15

Right Out: 0.024 ± 0.028 χ^2/NDF : 20.8/18

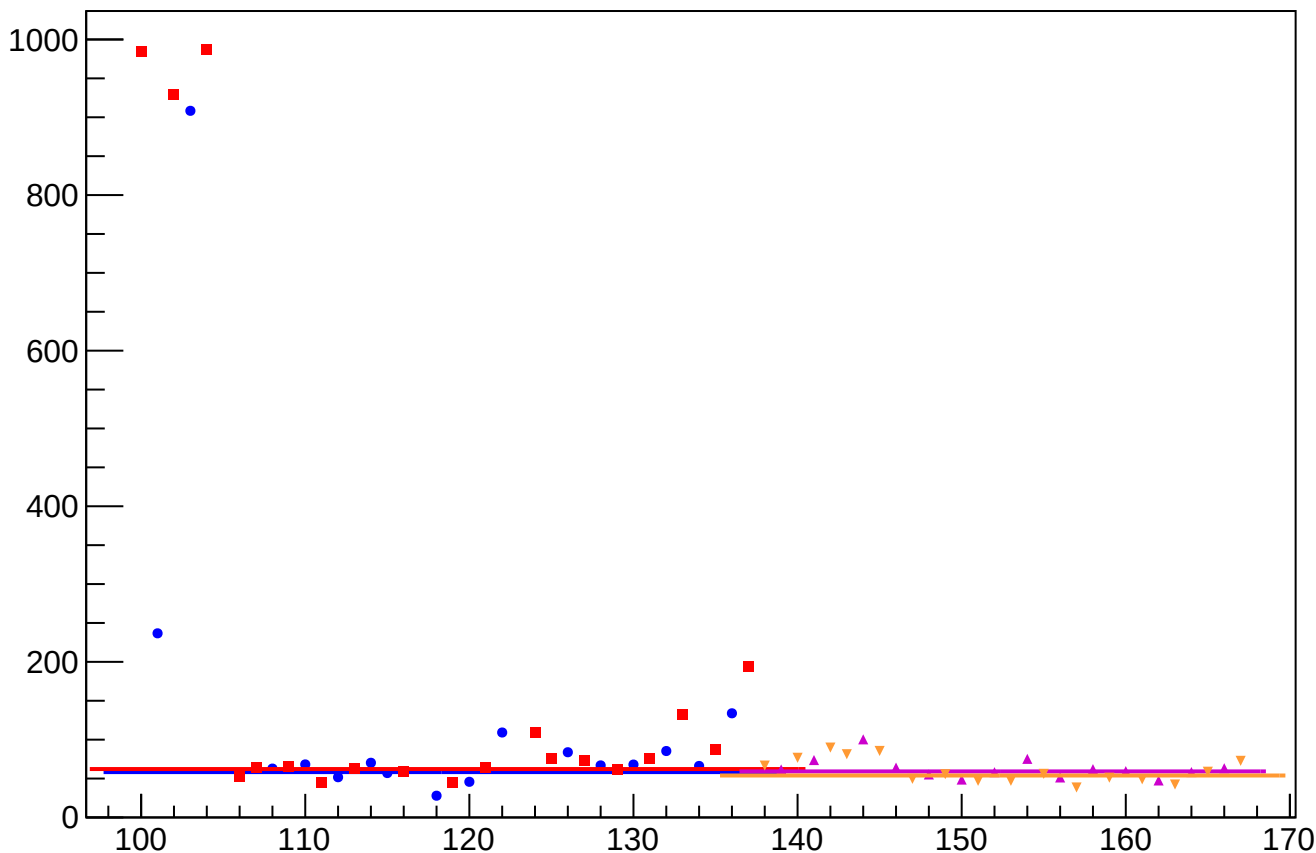
Left In: -0.012 ± 0.019 χ^2/NDF : 10.6/13

+ sign 0.011 ± 0.015 χ^2/NDF : 25.9/31

All: 0.006 ± 0.011 χ^2/NDF : 58.7/64

- sign -0.001 ± 0.016 χ^2/NDF : 32.5/32

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: 53.922 $\pm$ 0.012 χ^2 /NDF: 1045326.5/15

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627022.3/18

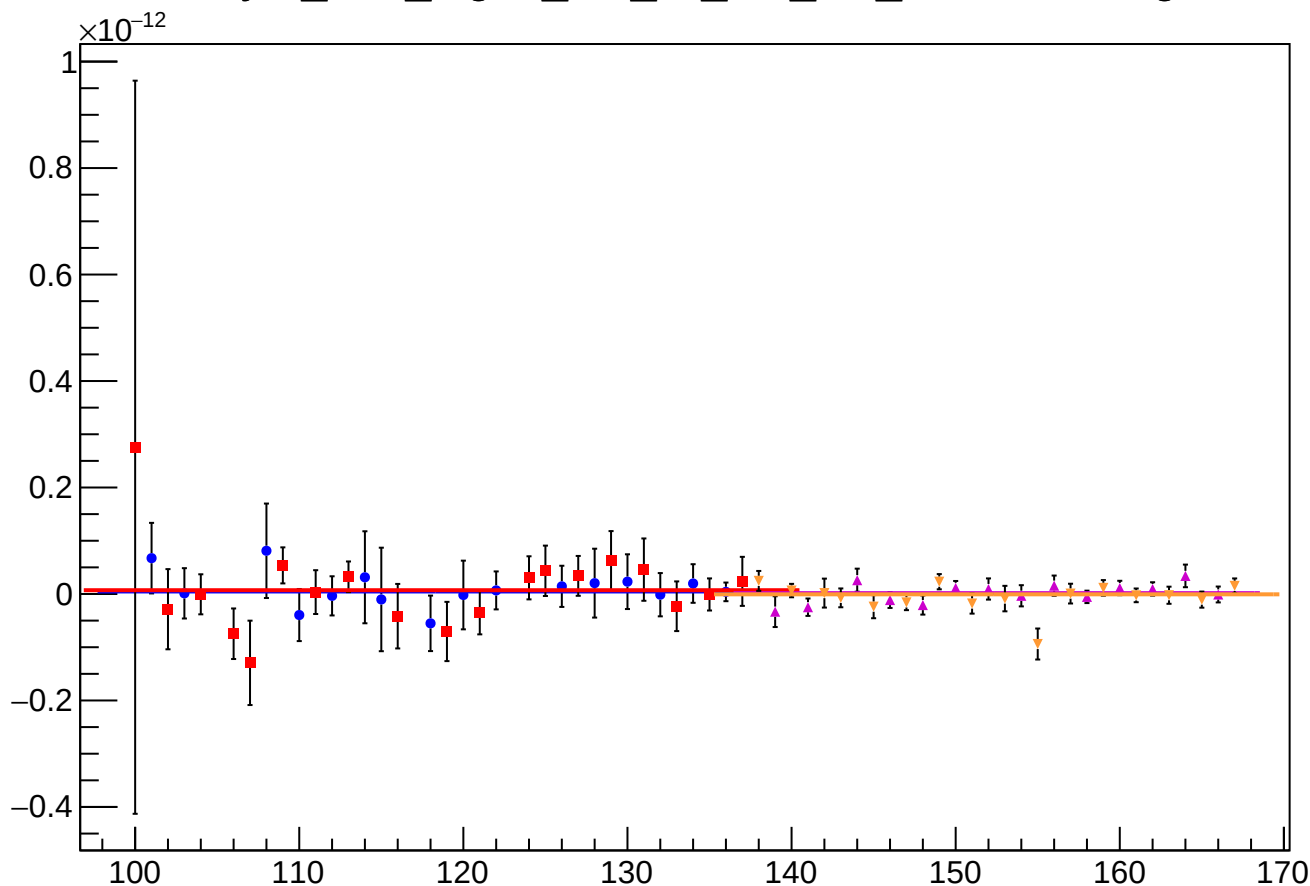
Left In: 59.185 $\pm$ 0.013 χ^2 /NDF: 614672.5/13

+ sign 55.151 $\pm$ 0.010 χ^2 /NDF: 4341643.5/31

All: 57.480 $\pm$ 0.008 χ^2 /NDF: 7706935.3/64

- sign 60.150 $\pm$ 0.011 χ^2 /NDF: 3257881.7/32

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 4.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 20.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.1/18

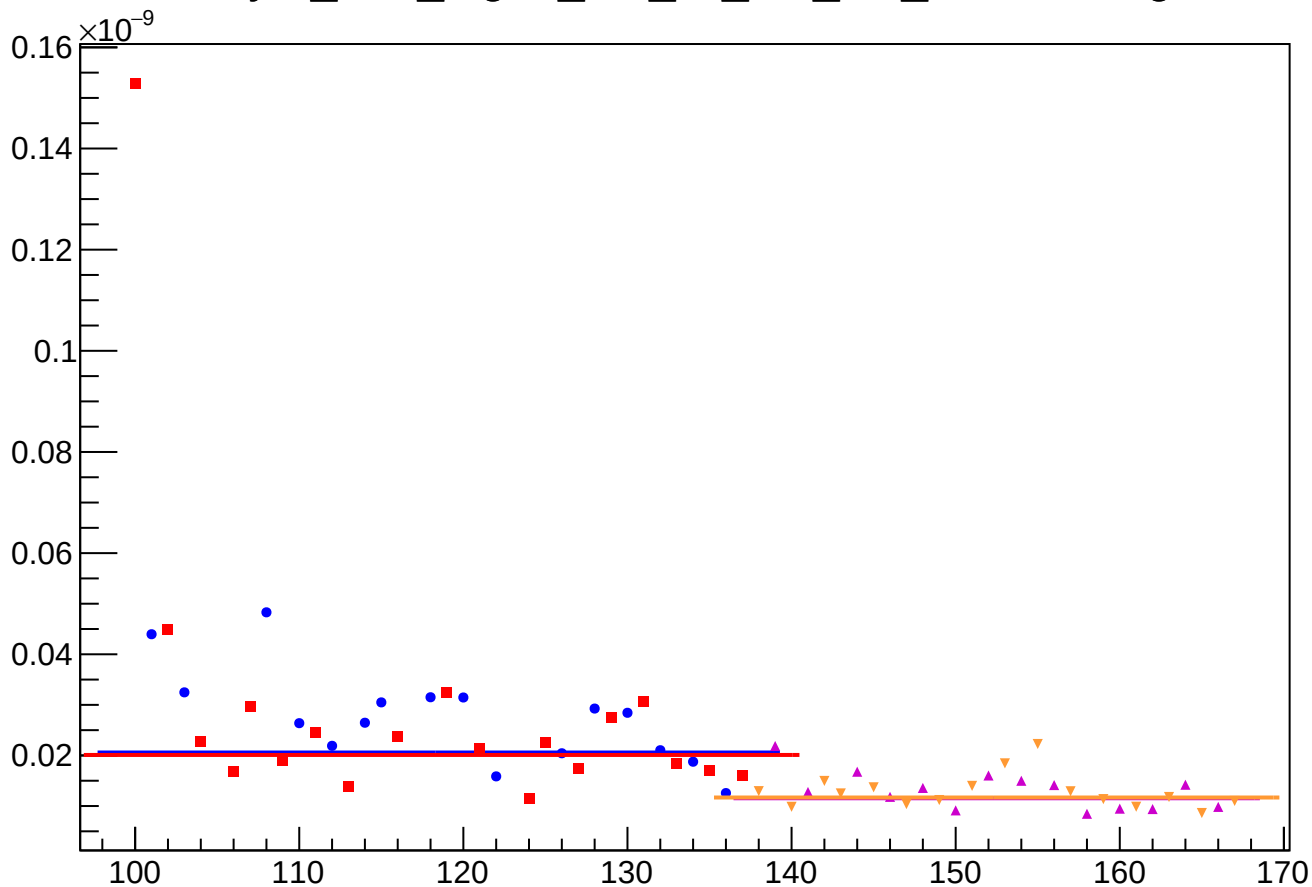
Left In: 0.000 ± 0.000 χ^2/NDF : 12.6/13

+ sign 0.000 ± 0.000 χ^2/NDF : 25.5/31

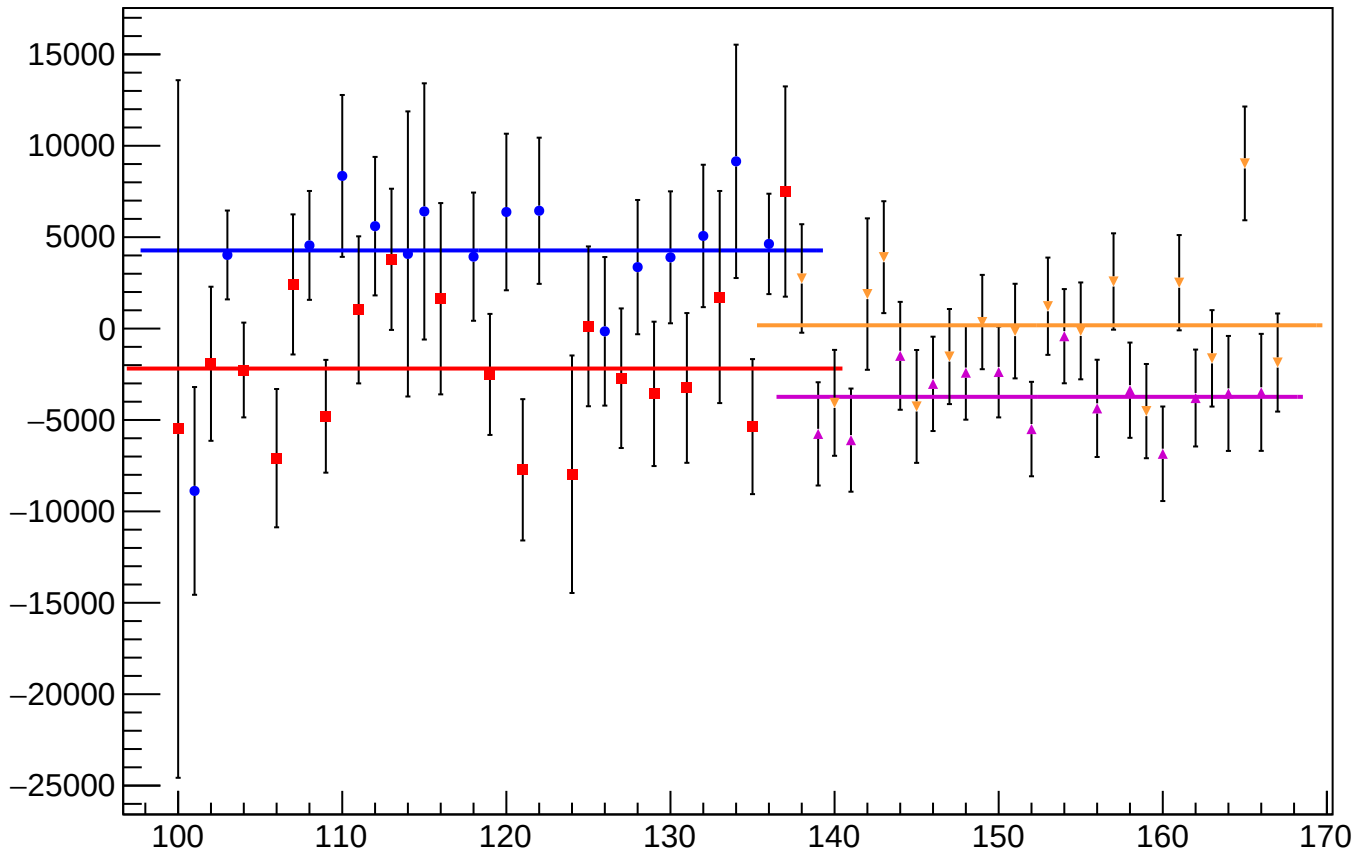
All: 0.000 ± 0.000 χ^2/NDF : 54.7/64

- sign 0.000 ± 0.000 χ^2/NDF : 29.0/32

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF : 8.9/15

Left Out: 179.890+/-696.498 χ^2/NDF : 21.3/15

Right Out: -2186.264+/-922.104 χ^2/NDF : 14.8/18

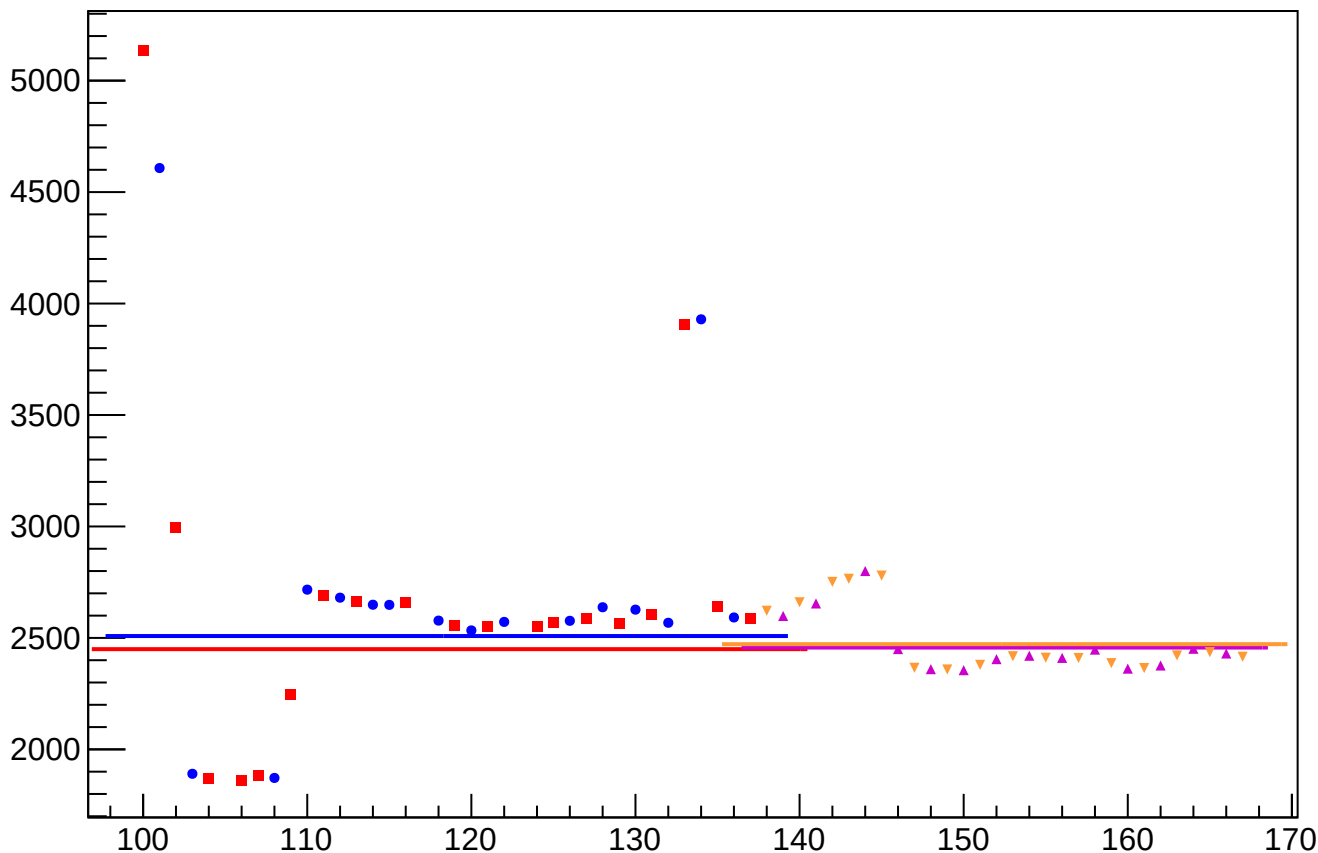
Left In: -3733.884+/-723.850 χ^2/NDF : 6.1/13

+ sign 1607.506+/-562.111 χ^2/NDF : 42.3/31

All: -737.656+/-400.016 χ^2/NDF : 100.2/64

- sign -3143.818+/-569.374 χ^2/NDF : 22.6/32

reg_asym_atr2_rms vs Slug



Right In: 2508.466 $\pm$ 0.673 χ^2 /NDF: 611589.6/15

Left Out: 2472.014 $\pm$ 0.492 χ^2 /NDF:81031.5/15

Right Out: 2449.623 $\pm$ 0.652 χ^2 /NDF: 436901.0/18

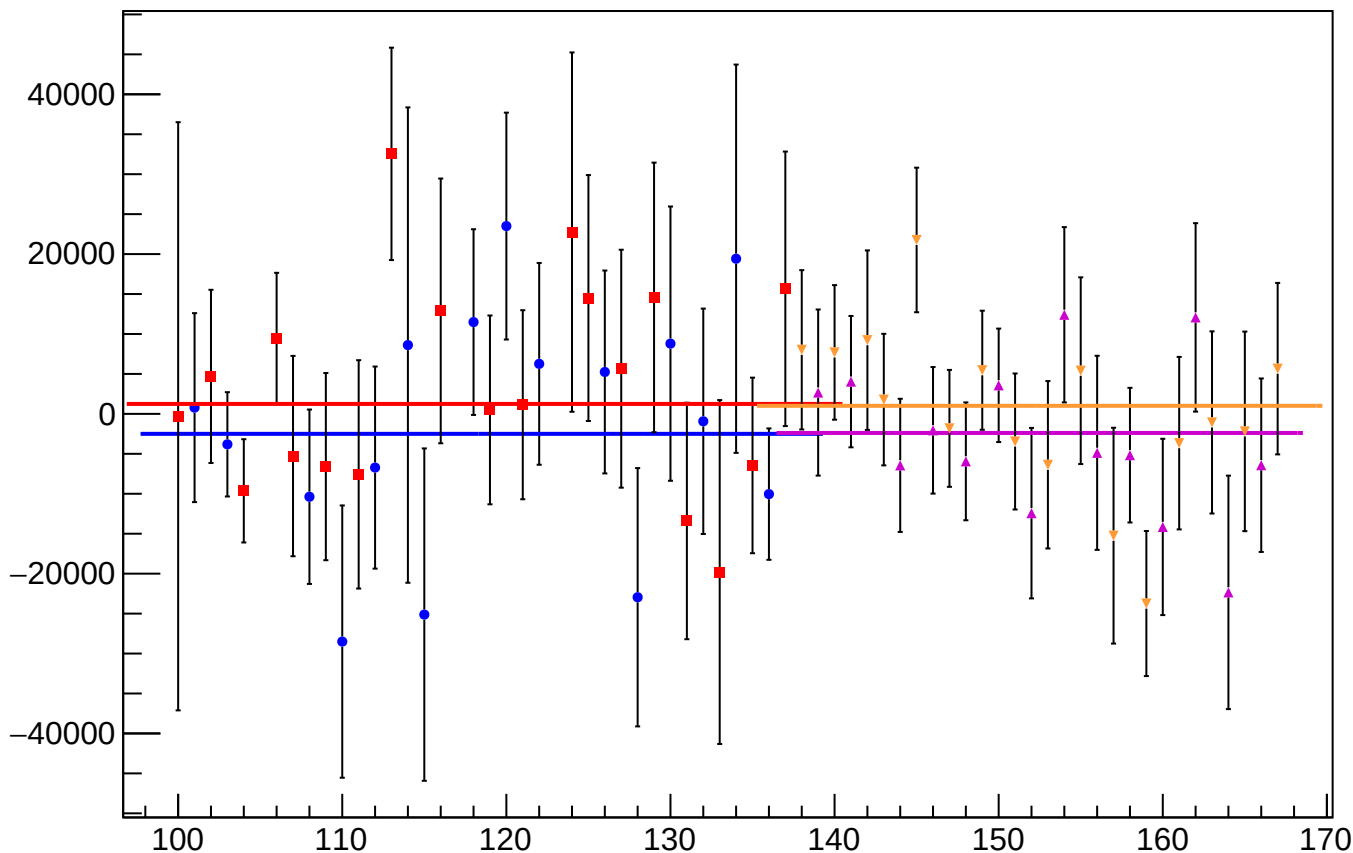
Left In: 2456.801 $\pm$ 0.512 χ^2 /NDF:54629.3/13

+ sign 2484.724 $\pm$ 0.397 χ^2 /NDF: 694531.2/31

All: 2469.591 $\pm$ 0.283 χ^2 /NDF: 1189073.4/64

- sign 2454.064 $\pm$ 0.403 χ^2 /NDF: 491605.3/32

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602 $\pm$ 3075.580 χ^2/NDF : 13.8/15

Left Out: 1009.429 $\pm$ 2390.759 χ^2/NDF : 17.7/15

Right Out: 1244.352 $\pm$ 2852.739 χ^2/NDF : 16.6/18

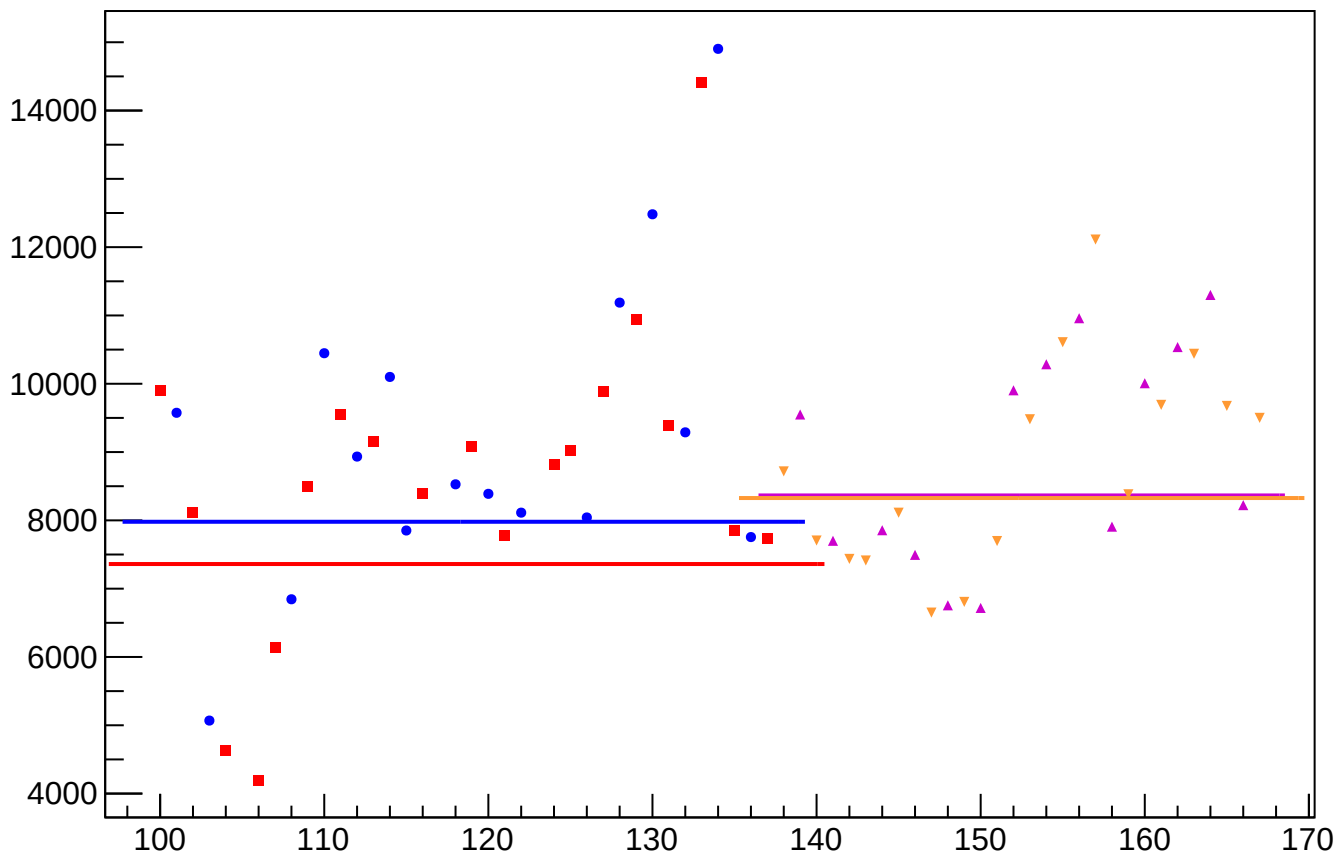
Left In: -2388.778 $\pm$ 2506.742 χ^2/NDF : 9.5/13

+ sign -312.646 $\pm$ 1887.555 χ^2/NDF : 32.3/31

All: -559.806 $\pm$ 1333.106 χ^2/NDF : 59.3/64

- sign -805.787 $\pm$ 1883.045 χ^2/NDF : 27.0/32

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF : 923083.9/15

Left Out: 8326.932+/-1.691 χ^2/NDF : 656995.2/15

Right Out: 7360.741+/-2.017 χ^2/NDF : 1286008.5/18

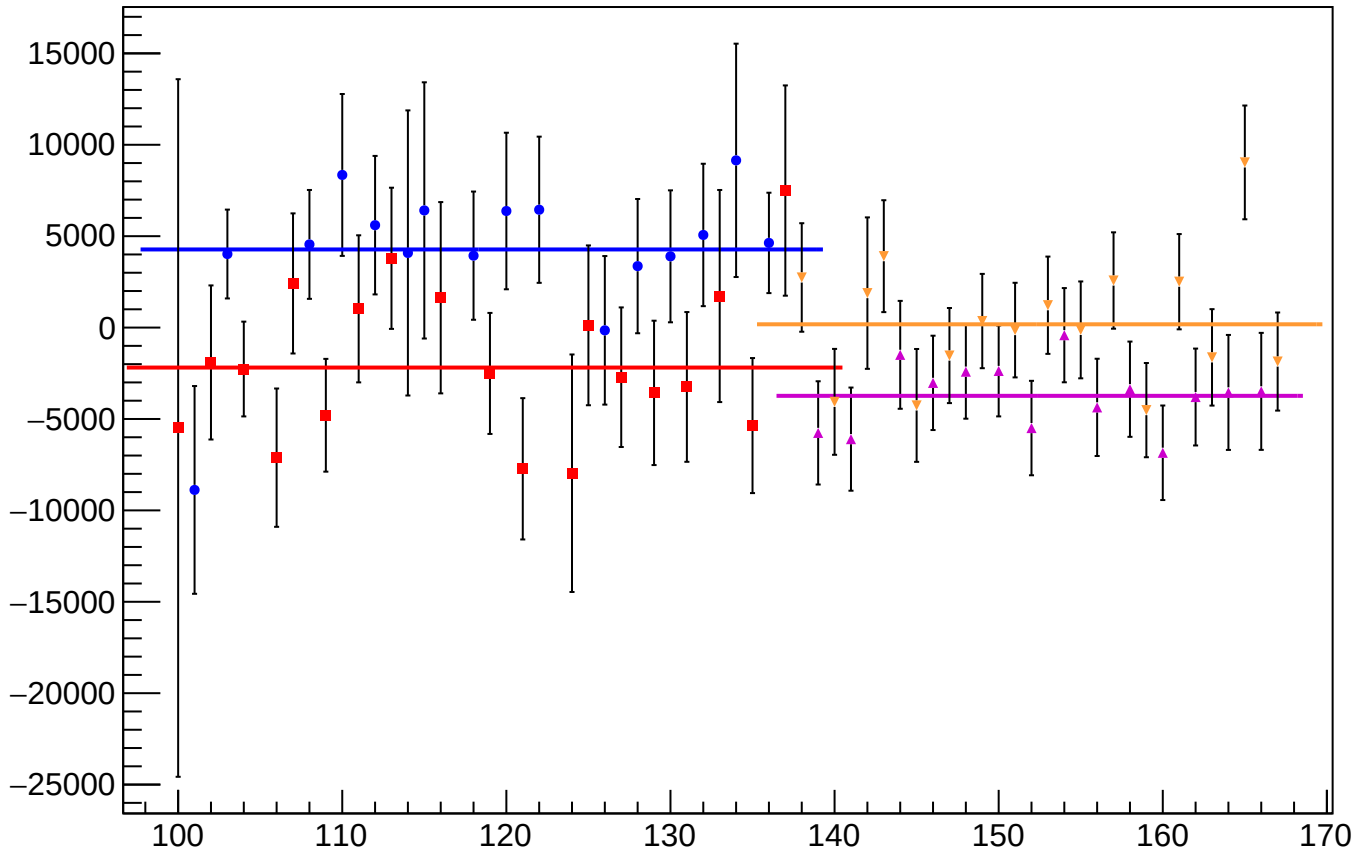
Left In: 8364.871+/-1.773 χ^2/NDF : 666668.7/13

+ sign 8196.065+/-1.335 χ^2/NDF : 1595989.2/31

All: 8061.392+/-0.943 χ^2/NDF : 3708806.0/64

- sign 7927.362+/-1.332 χ^2/NDF : 2092503.3/32

cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: 179.650 $\pm$ 696.498 χ^2 /NDF: 21.3/15

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

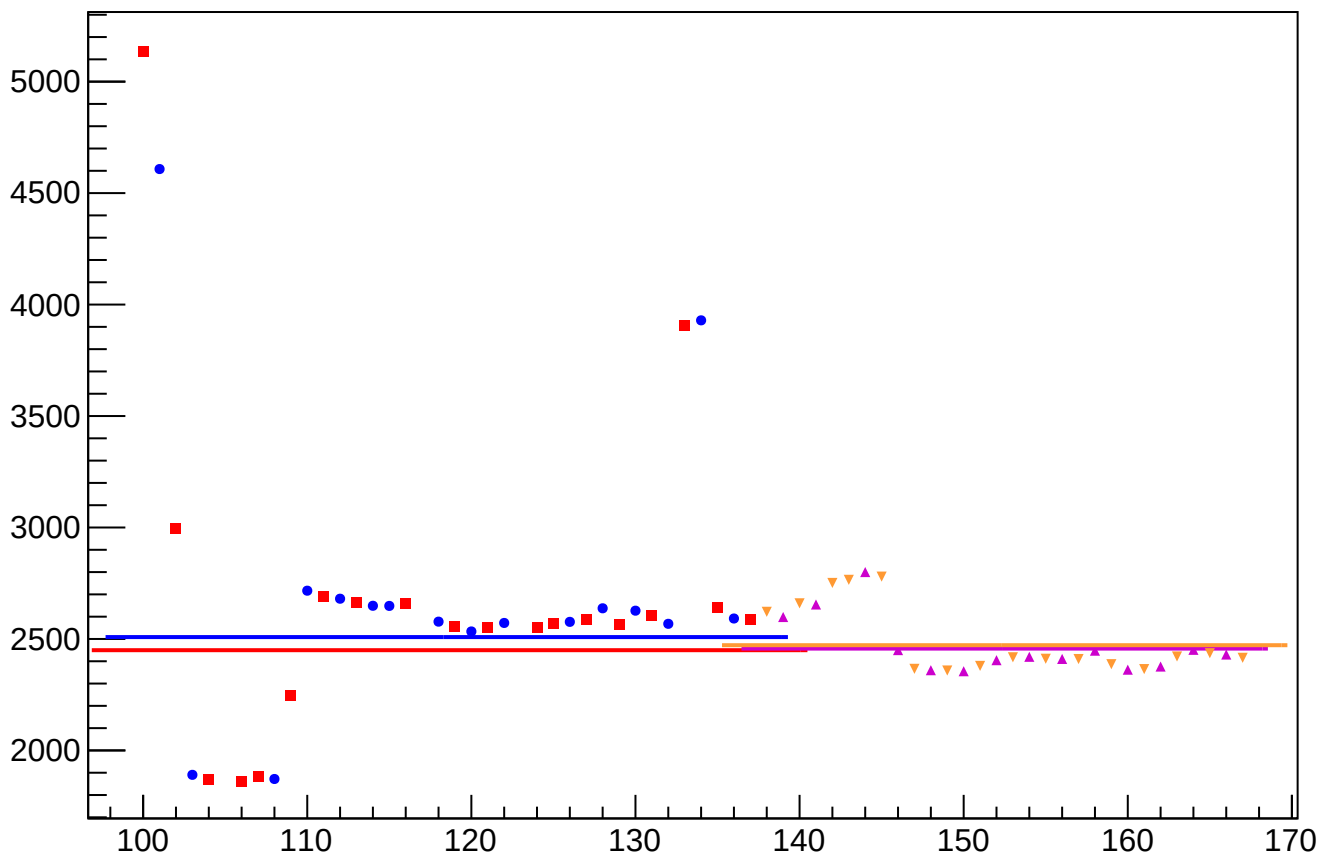
Left In: -3733.898 $\pm$ 723.850 χ^2 /NDF: 6.1/13

+ sign 1607.178 $\pm$ 562.111 χ^2 /NDF: 42.3/31

All: -737.939 $\pm$ 400.016 χ^2 /NDF: 100.2/64

- sign -3144.070 $\pm$ 569.376 χ^2 /NDF: 22.7/32

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF : 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF : 81031.5/15

Right Out: 2449.647+/-0.652 χ^2/NDF : 436846.6/18

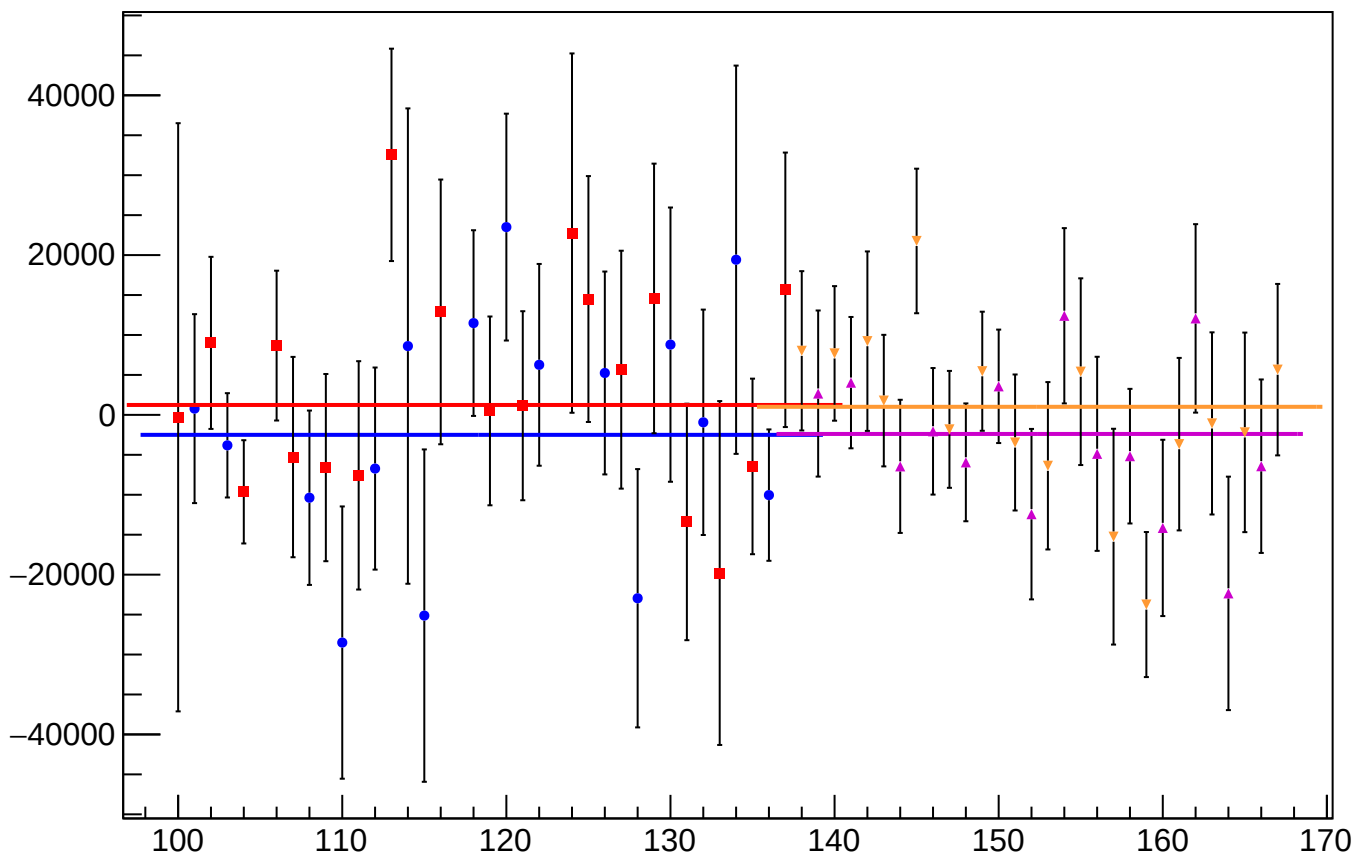
Left In: 2456.801+/-0.512 χ^2/NDF : 54629.3/13

+ sign 2484.724+/-0.397 χ^2/NDF : 694529.1/31

All: 2469.596+/-0.283 χ^2/NDF : 1189014.6/64

- sign 2454.073+/-0.403 χ^2/NDF : 491550.4/32

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380 ± 3075.668 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 1009.411 ± 2390.755 $\chi^2/\text{NDF}: 17.7/15$

Right Out: 1239.896 ± 2893.464 $\chi^2/\text{NDF}: 16.6/18$

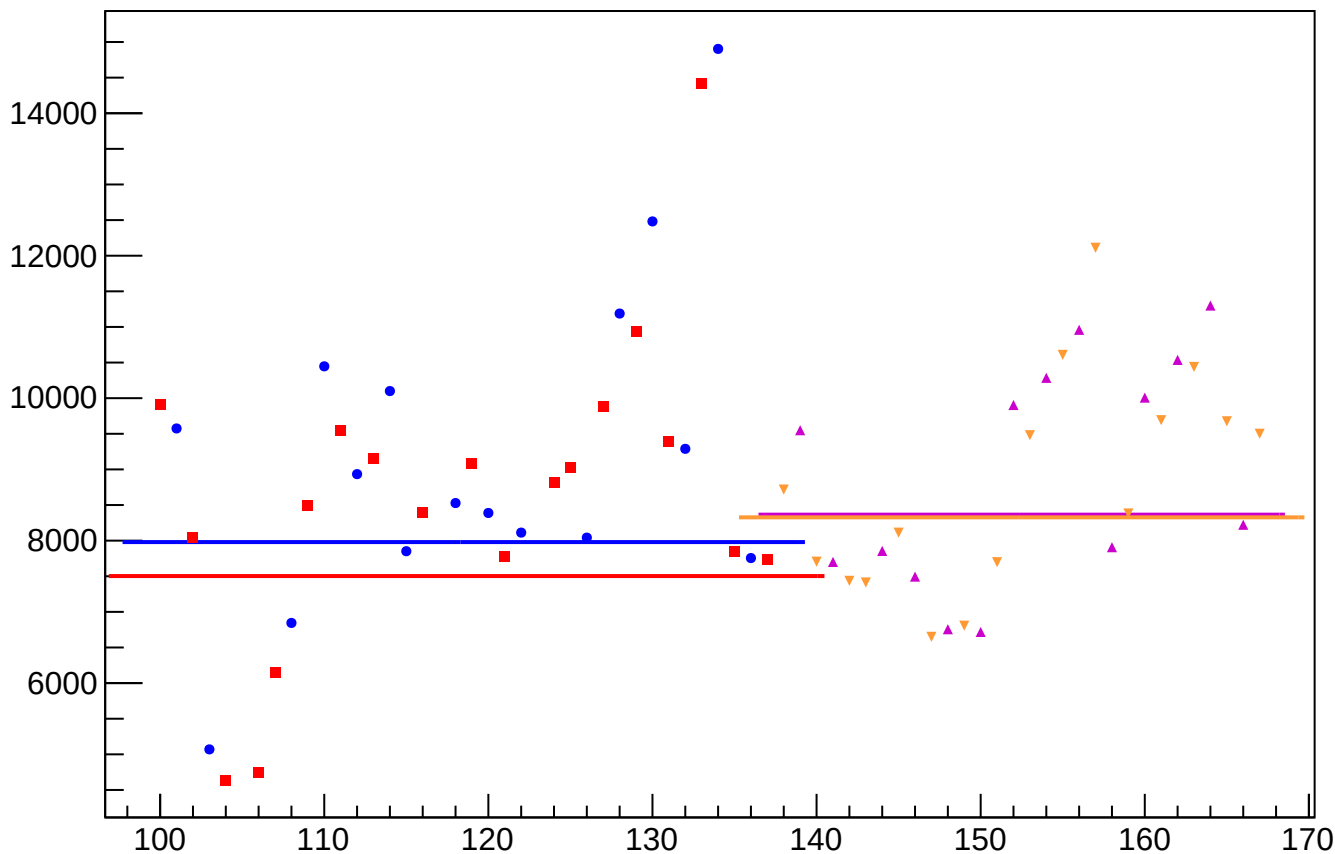
Left In: -2388.894 ± 2506.742 $\chi^2/\text{NDF}: 9.5/13$

+ sign -312.523 ± 1887.573 $\chi^2/\text{NDF}: 32.3/31$

All: -571.812 ± 1337.199 $\chi^2/\text{NDF}: 59.4/64$

- sign -833.040 ± 1894.618 $\chi^2/\text{NDF}: 27.0/32$

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF : 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF : 657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF : 1135523.5/18

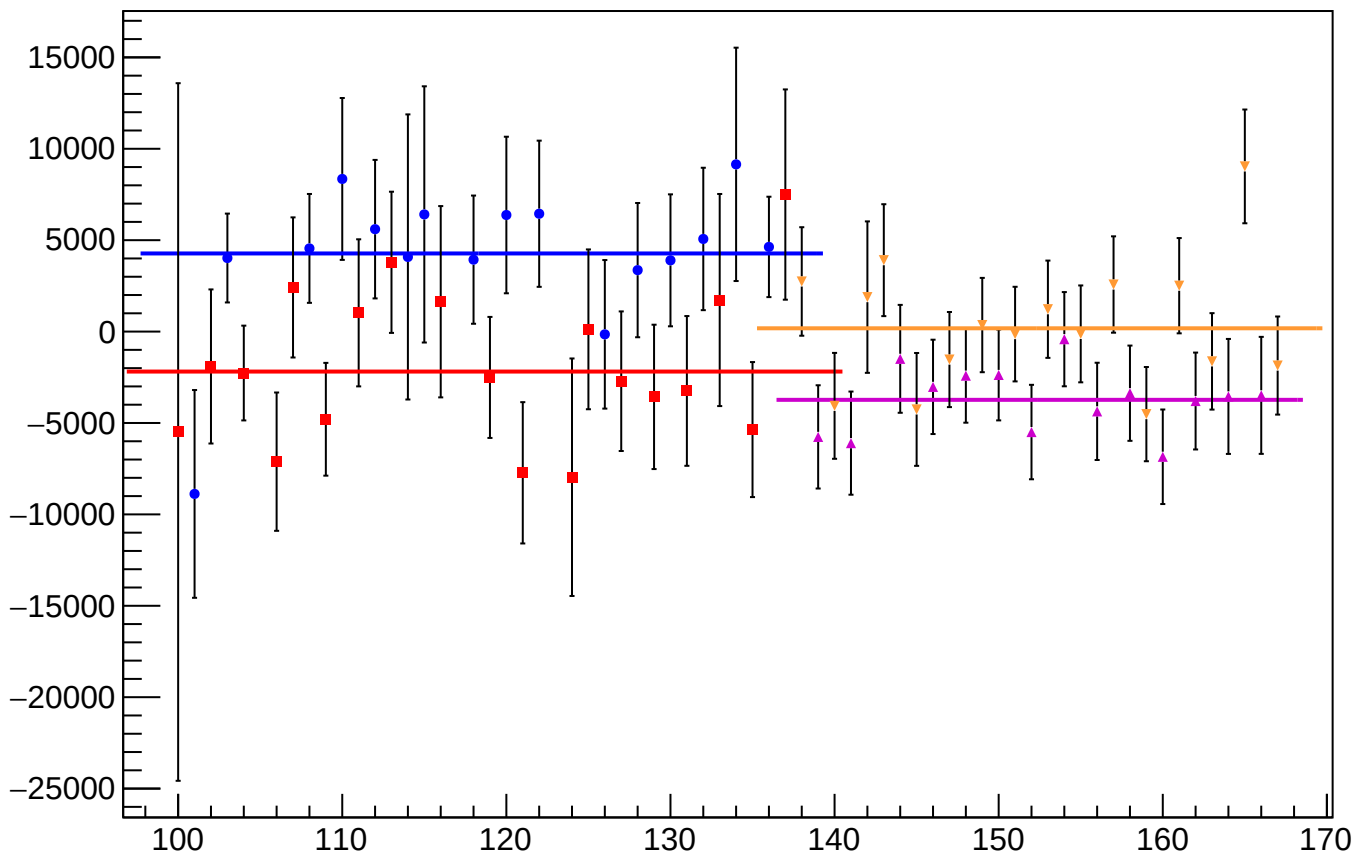
Left In: 8364.869+/-1.773 χ^2/NDF : 666671.6/13

+ sign 8196.183+/-1.335 χ^2/NDF : 1595664.8/31

All: 8096.068+/-0.946 χ^2/NDF : 3510596.4/64

- sign 7995.205+/-1.340 χ^2/NDF : 1903637.1/32

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: 179.650 $\pm$ 696.498 χ^2 /NDF:21.3/15

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

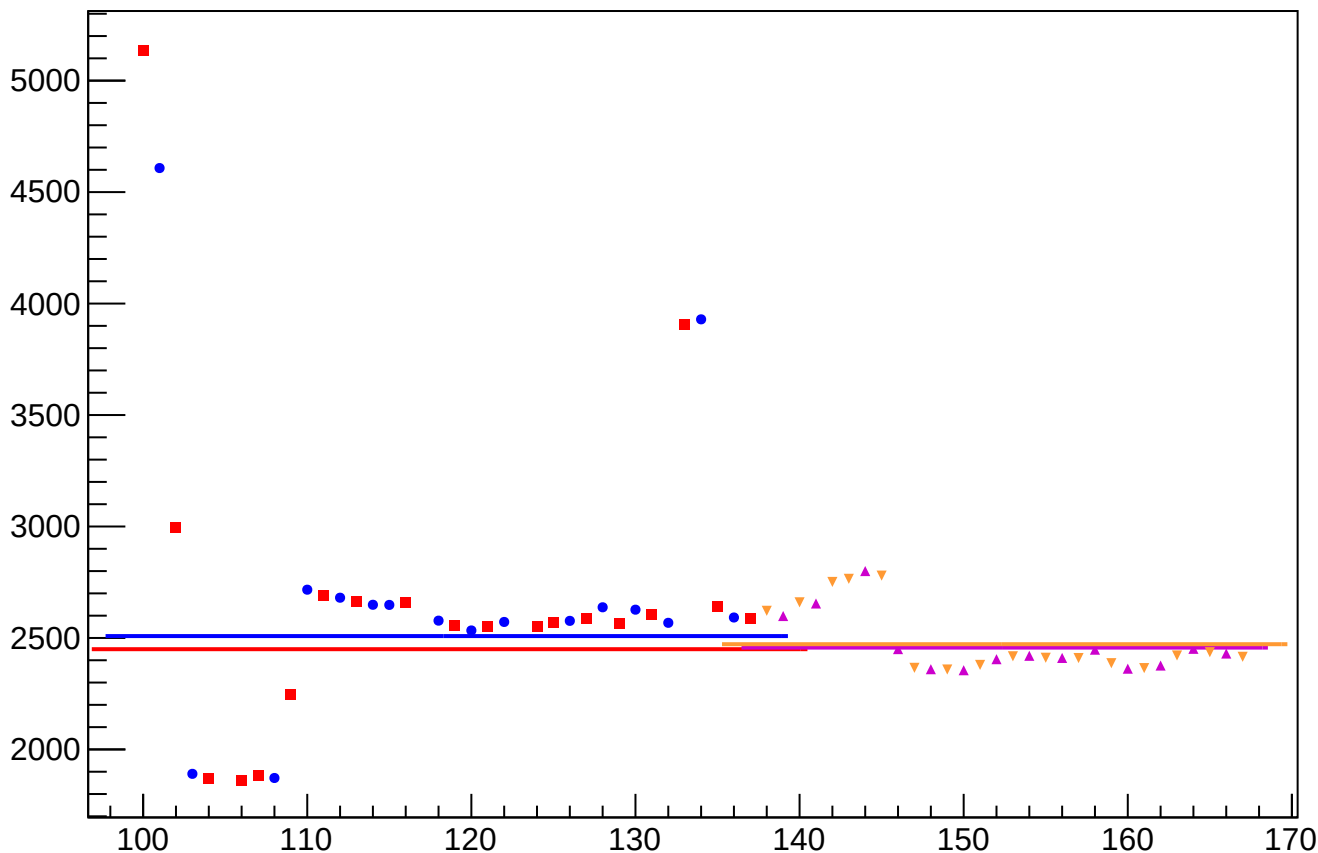
Left In: -3733.898 $\pm$ 723.850 χ^2 /NDF:6.1/13

+ sign 1607.178 $\pm$ 562.111 χ^2 /NDF: 42.3/31

All: -737.939 $\pm$ 400.016 χ^2 /NDF: 100.2/64

- sign -3144.070 $\pm$ 569.376 χ^2 /NDF: 22.7/32

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467 $\pm$ 0.673 χ^2 /NDF: 611587.4/15

Left Out: 2472.014 $\pm$ 0.492 χ^2 /NDF: 81031.5/15

Right Out: 2449.647 $\pm$ 0.652 χ^2 /NDF: 436846.6/18

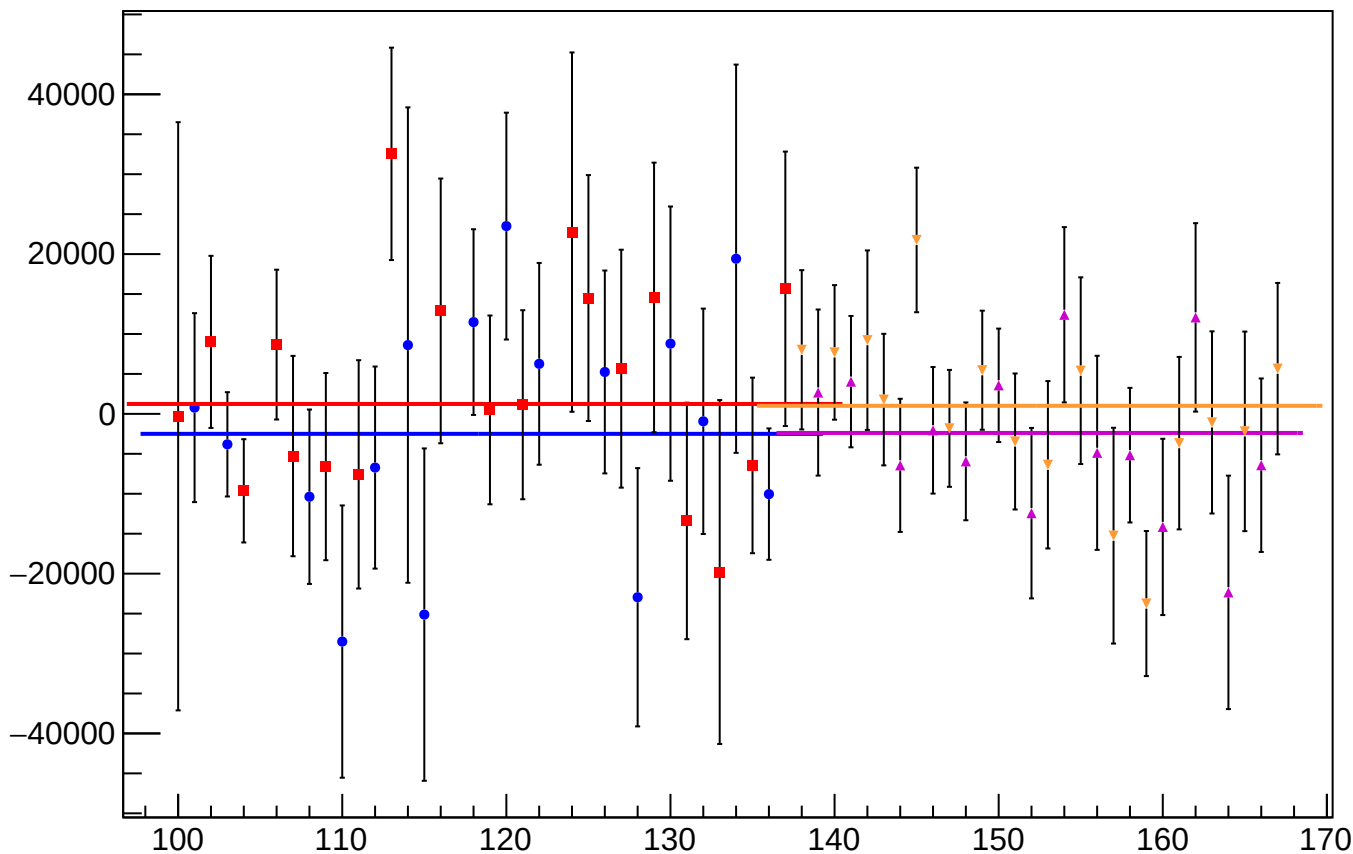
Left In: 2456.801 $\pm$ 0.512 χ^2 /NDF: 54629.3/13

+ sign 2484.724 $\pm$ 0.397 χ^2 /NDF: 694529.1/31

All: 2469.596 $\pm$ 0.283 χ^2 /NDF: 1189014.6/64

- sign 2454.073 $\pm$ 0.403 χ^2 /NDF: 491550.4/32

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380 ± 3075.668 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 1009.411 ± 2390.755 $\chi^2/\text{NDF}: 17.7/15$

Right Out: 1239.896 ± 2893.464 $\chi^2/\text{NDF}: 16.6/18$

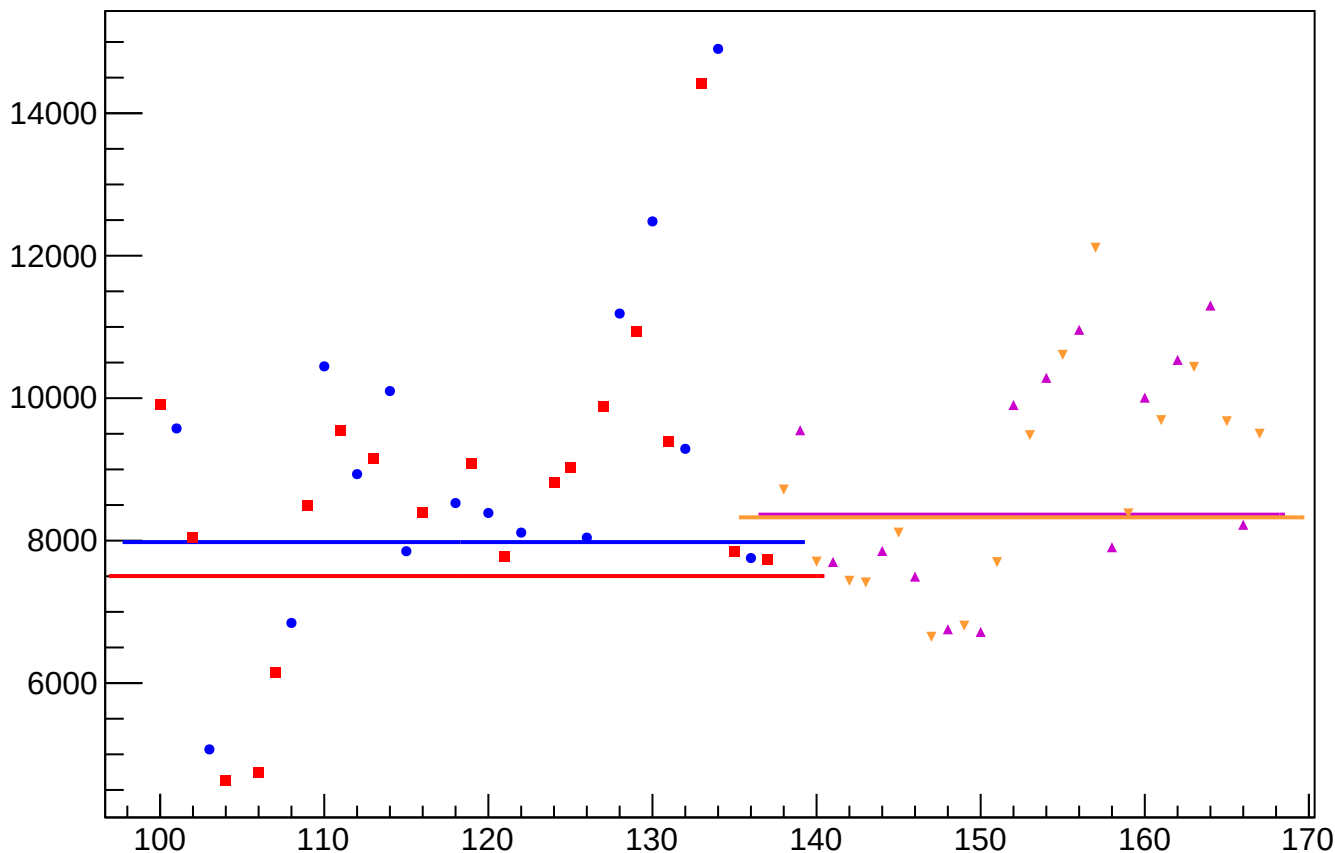
Left In: -2388.894 ± 2506.742 $\chi^2/\text{NDF}: 9.5/13$

+ sign -312.523 ± 1887.573 $\chi^2/\text{NDF}: 32.3/31$

All: -571.812 ± 1337.199 $\chi^2/\text{NDF}: 59.4/64$

- sign -833.040 ± 1894.618 $\chi^2/\text{NDF}: 27.0/32$

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812 $\pm$ 2.175 χ^2 /NDF: 922785.4/15

Left Out: 8326.917 $\pm$ 1.691 χ^2 /NDF: 657000.8/15

Right Out: 7502.685 $\pm$ 2.046 χ^2 /NDF: 1135523.5/18

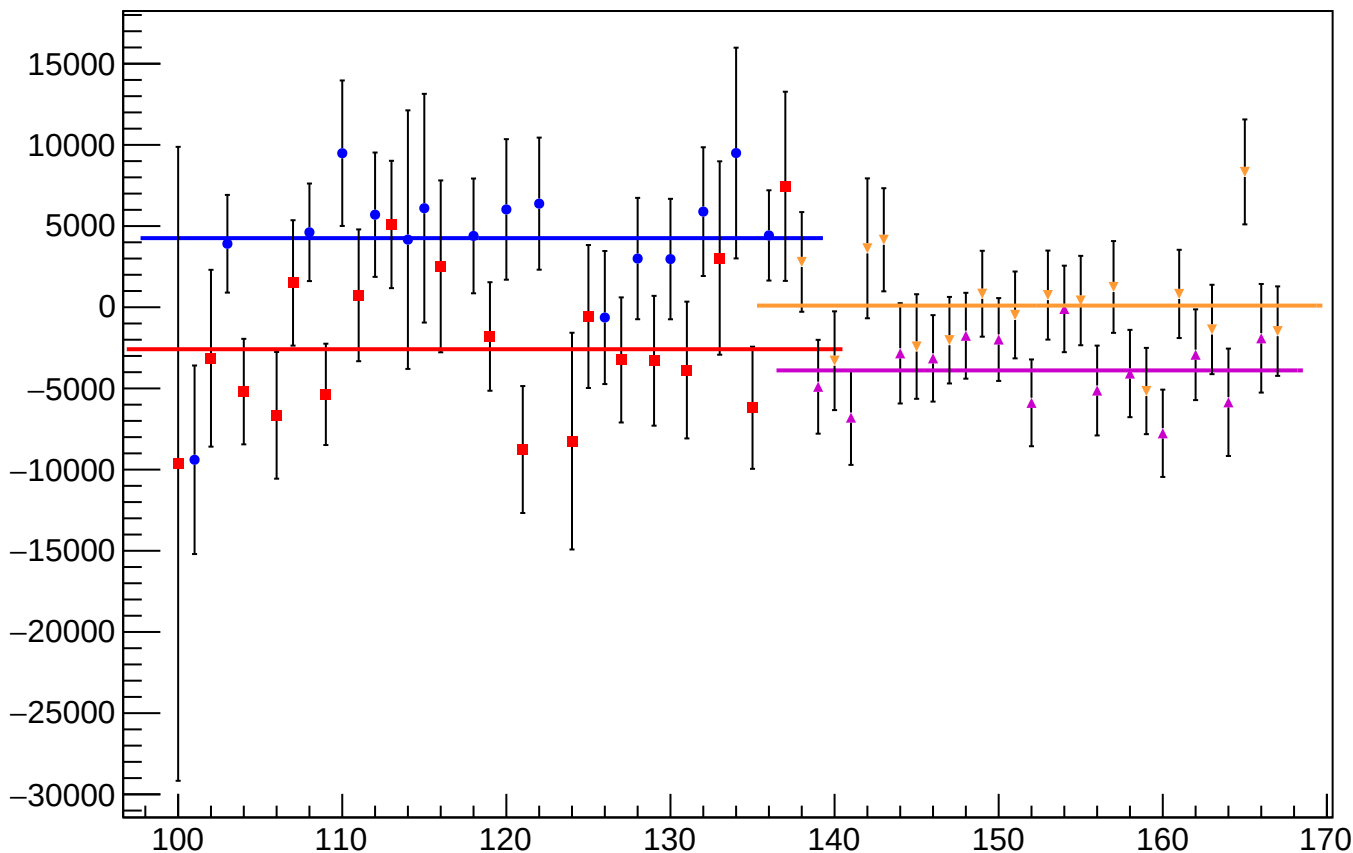
Left In: 8364.869 $\pm$ 1.773 χ^2 /NDF: 666671.6/13

+ sign 8196.183 $\pm$ 1.335 χ^2 /NDF: 1595664.8/31

All: 8096.068 $\pm$ 0.946 χ^2 /NDF: 3510596.4/64

- sign 7995.205 $\pm$ 1.340 χ^2 /NDF: 1903637.1/32

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF : 10.1/15

Left Out: 102.687+/-722.863 χ^2/NDF : 17.0/15

Right Out: -2584.689+/-966.049 χ^2/NDF : 17.6/18

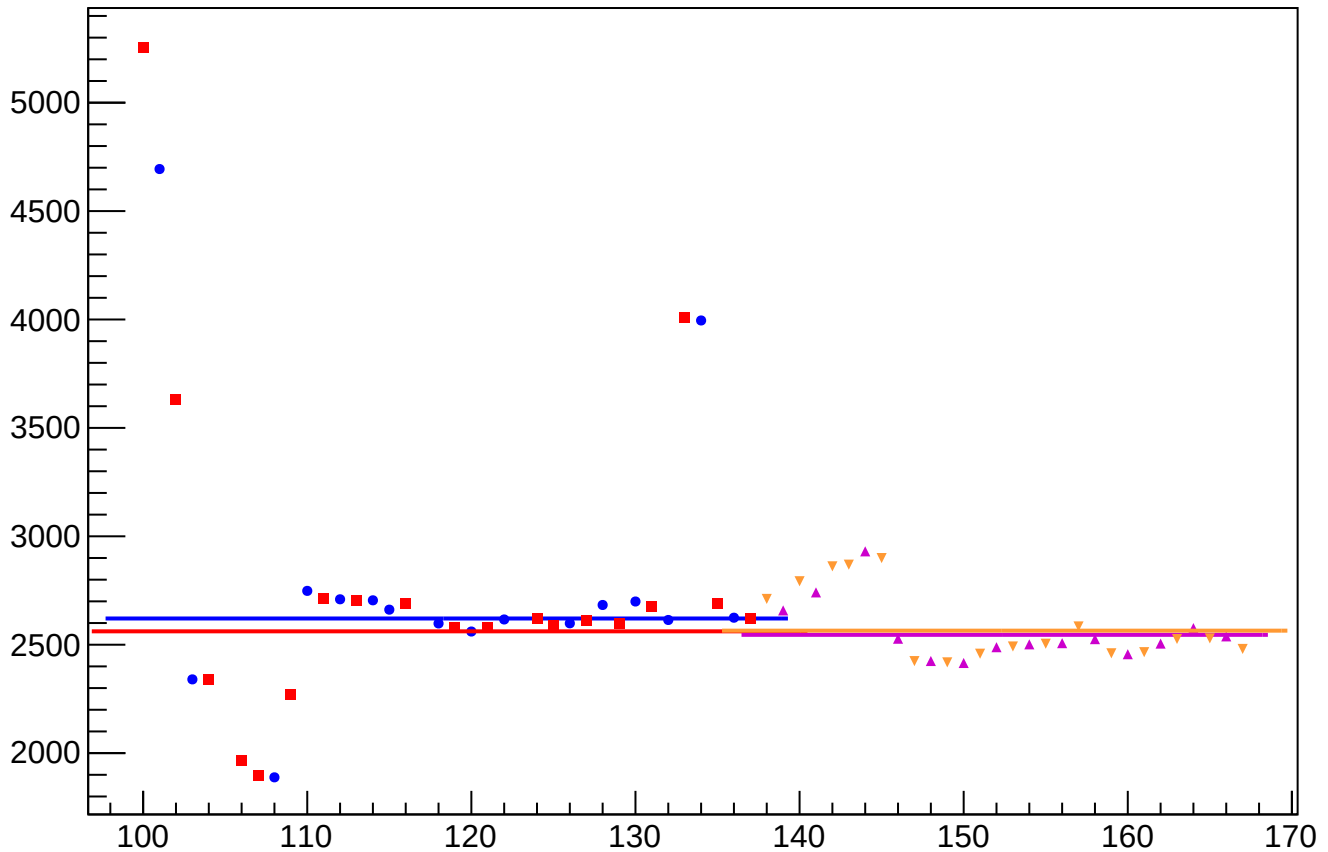
Left In: -3889.611+/-750.121 χ^2/NDF : 8.2/13

+ sign 1546.285+/-583.912 χ^2/NDF : 38.5/31

All: -890.227+/-415.885 χ^2/NDF : 100.9/64

- sign -3398.776+/-592.481 χ^2/NDF : 27.0/32

dit_asym_atr2_rms vs Slug



Right In: 2620.964 $\pm$ 0.700 χ^2 /NDF: 485914.1/15

Left Out: 2564.832 $\pm$ 0.511 χ^2 /NDF: 90790.9/15

+ sign 2584.337 $\pm$ 0.413 χ^2 /NDF: 580895.7/31

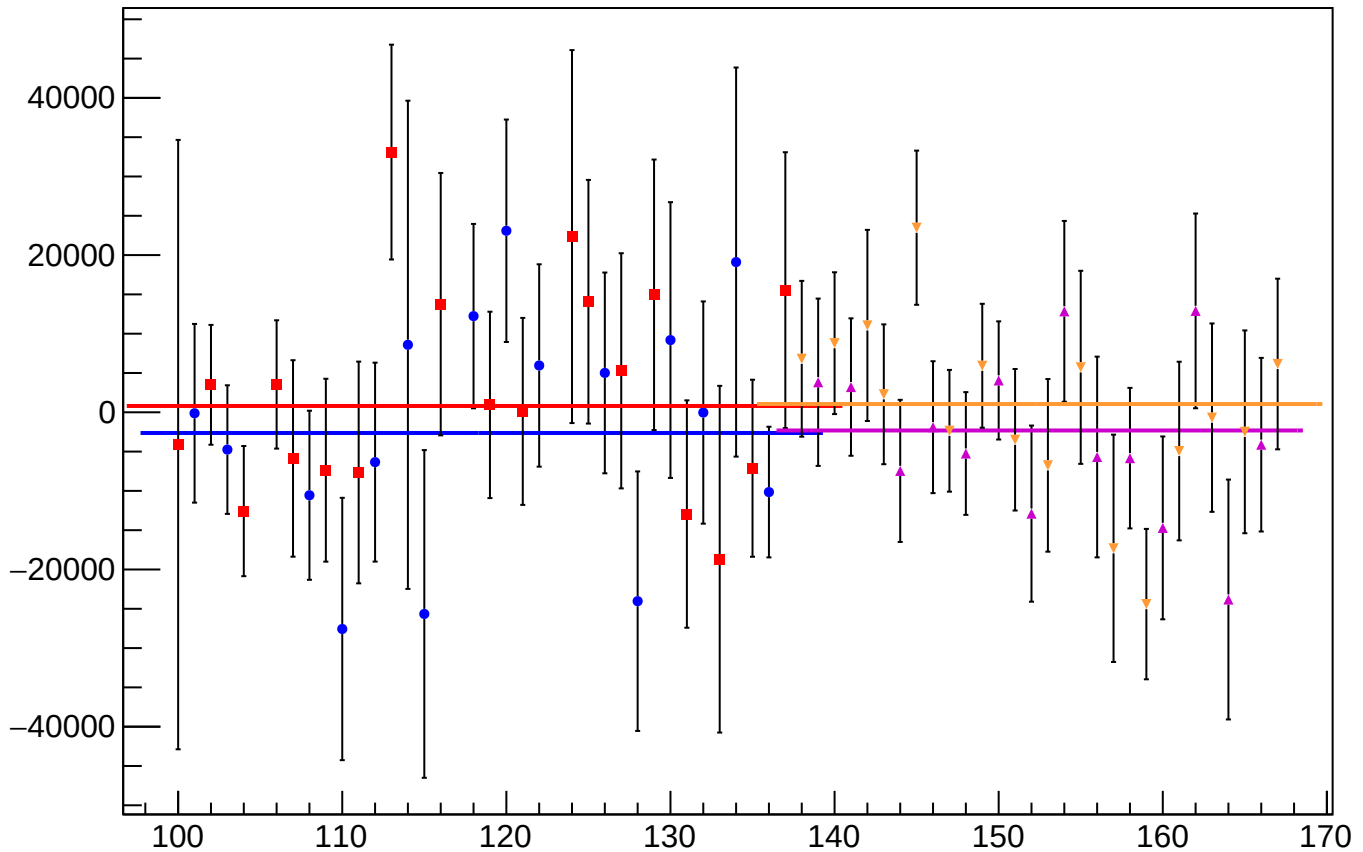
Right Out: 2561.718 $\pm$ 0.683 χ^2 /NDF: 378259.5/18

All: 2568.223 $\pm$ 0.294 χ^2 /NDF: 1019941.2/64

- sign 2551.640 $\pm$ 0.419 χ^2 /NDF: 435954.9/32

Left In: 2545.557 $\pm$ 0.530 χ^2 /NDF: 57345.9/13

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921 ± 3211.506 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 1048.648 ± 2522.265 $\chi^2/\text{NDF}: 17.8/15$

Right Out: 802.880 ± 2872.934 $\chi^2/\text{NDF}: 15.4/18$

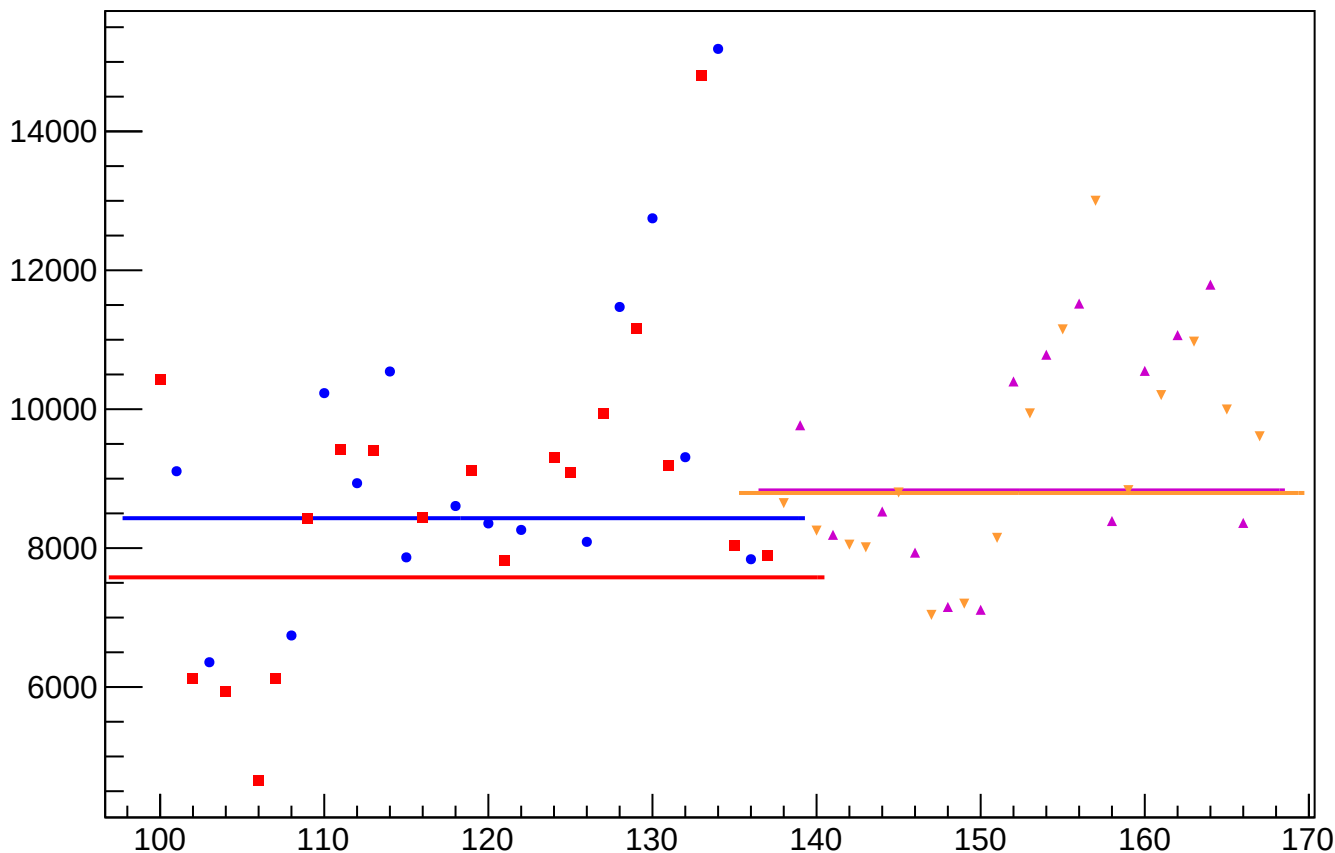
Left In: -2313.653 ± 2644.253 $\chi^2/\text{NDF}: 9.4/13$

+ sign -355.508 ± 1983.622 $\chi^2/\text{NDF}: 32.4/31$

All: -625.042 ± 1388.994 $\chi^2/\text{NDF}: 57.9/64$

- sign -884.342 ± 1945.599 $\chi^2/\text{NDF}: 25.5/32$

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF : 580295.1/15

Left Out: 8793.899+/-1.784 χ^2/NDF : 615589.7/15

Right Out: 7579.112+/-2.031 χ^2/NDF : 974126.9/18

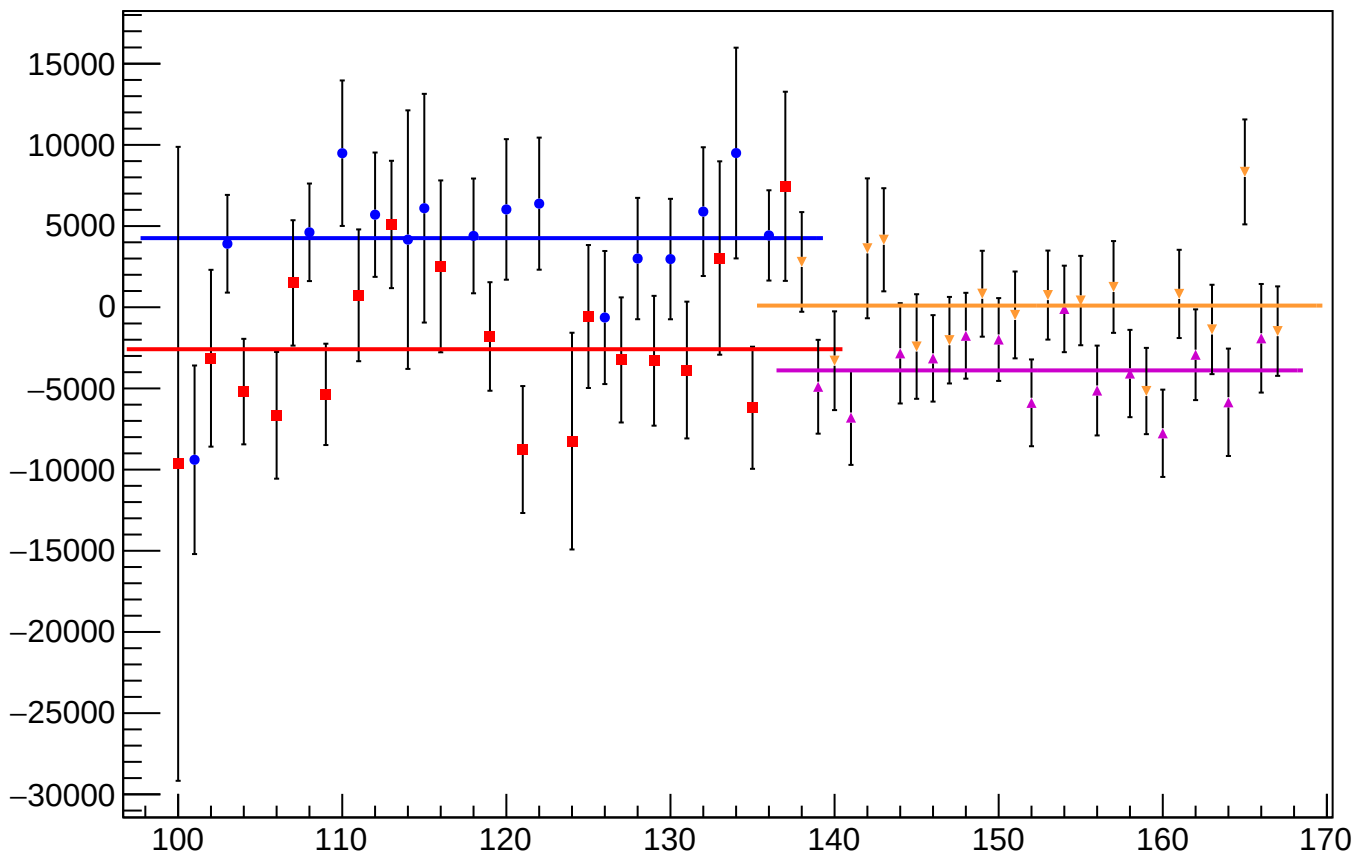
Left In: 8830.722+/-1.870 χ^2/NDF : 626572.4/13

+ sign 8655.363+/-1.403 χ^2/NDF : 1211699.9/31

All: 8452.177+/-0.982 χ^2/NDF : 3059073.9/64

- sign 8256.706+/-1.376 χ^2/NDF : 1806201.8/32

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984 $\pm$ 990.541 χ^2 /NDF: 10.1/15

Left Out: 102.668 $\pm$ 722.864 χ^2 /NDF:17.0/15

Right Out: -2584.699 $\pm$ 966.048 χ^2 /NDF: 17.6/18

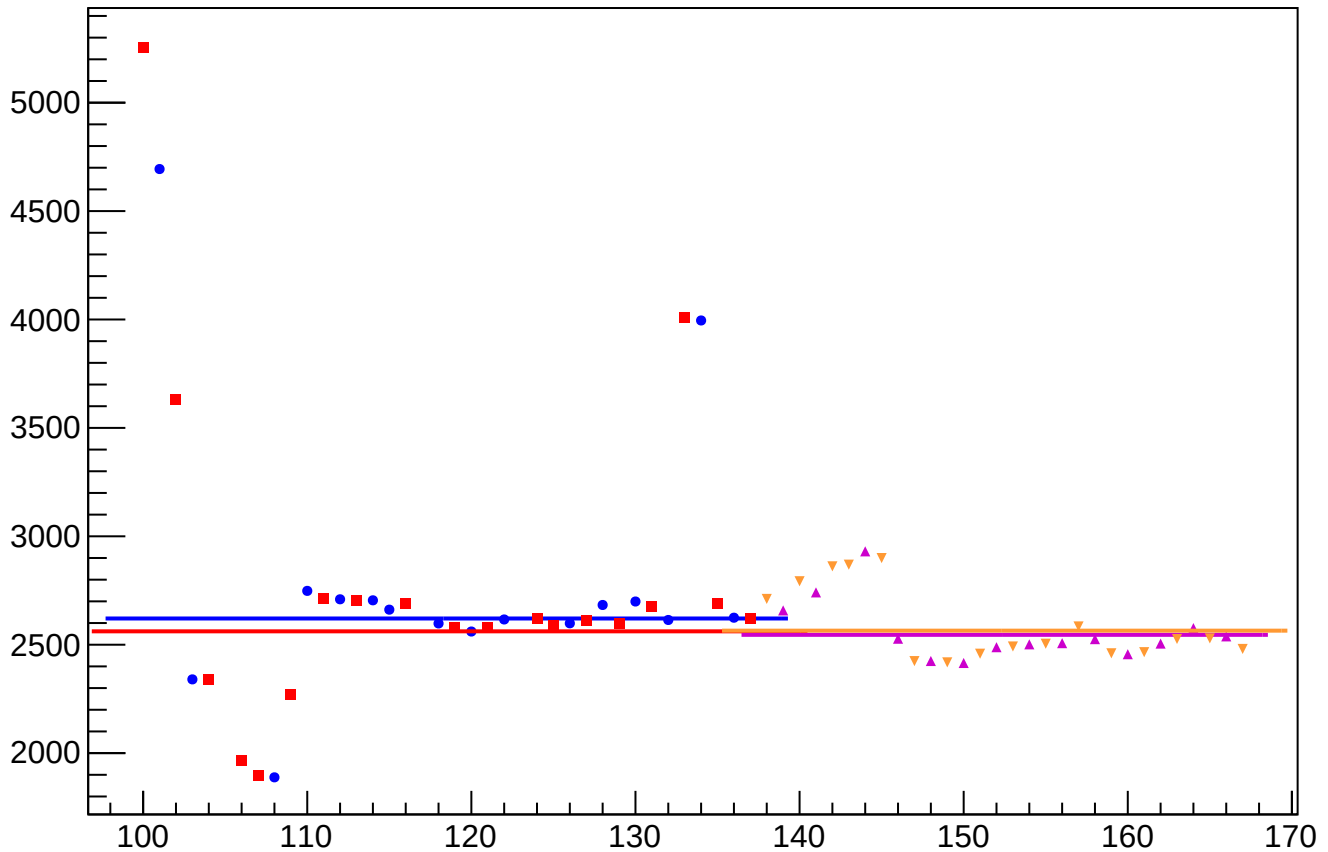
Left In: -3889.616 $\pm$ 750.122 χ^2 /NDF:8.2/13

+ sign 1546.278 $\pm$ 583.913 χ^2 /NDF: 38.5/31

All: -890.234 $\pm$ 415.885 χ^2 /NDF: 100.9/64

- sign -3398.782 $\pm$ 592.482 χ^2 /NDF: 27.0/32

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF : 485914.3/15

Left Out: 2564.834+/-0.511 χ^2/NDF : 90790.7/15

Right Out: 2561.718+/-0.683 χ^2/NDF : 378258.9/18

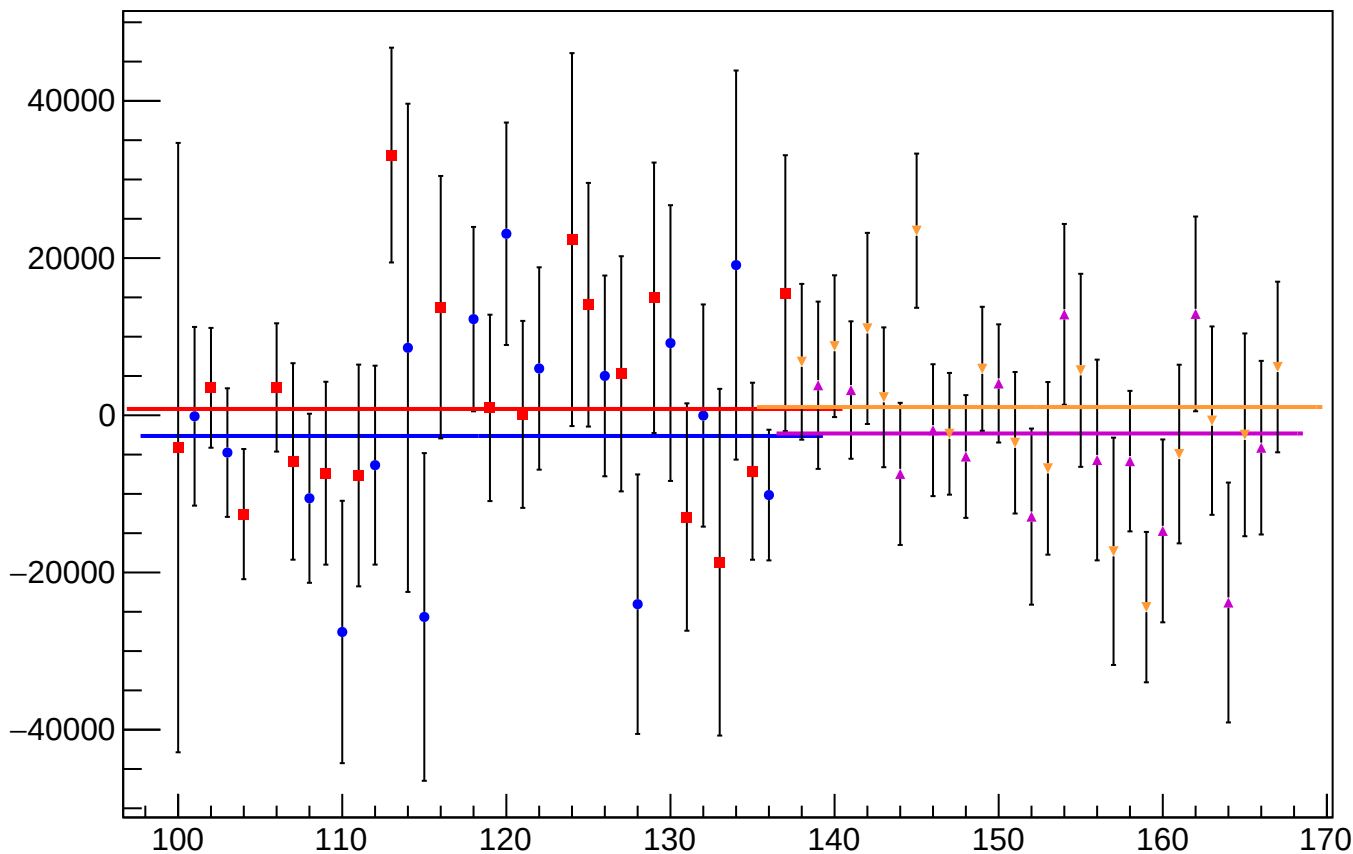
Left In: 2545.559+/-0.530 χ^2/NDF : 57345.6/13

+ sign 2584.339+/-0.413 χ^2/NDF : 580895.2/31

All: 2568.225+/-0.294 χ^2/NDF : 1019939.7/64

- sign 2551.642+/-0.419 χ^2/NDF : 435953.9/32

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887 $\pm$ 3211.501 χ^2/NDF : 13.8/15

Left Out: 1048.640 $\pm$ 2522.270 χ^2/NDF : 17.8/15

Right Out: 802.875 $\pm$ 2872.930 χ^2/NDF : 15.4/18

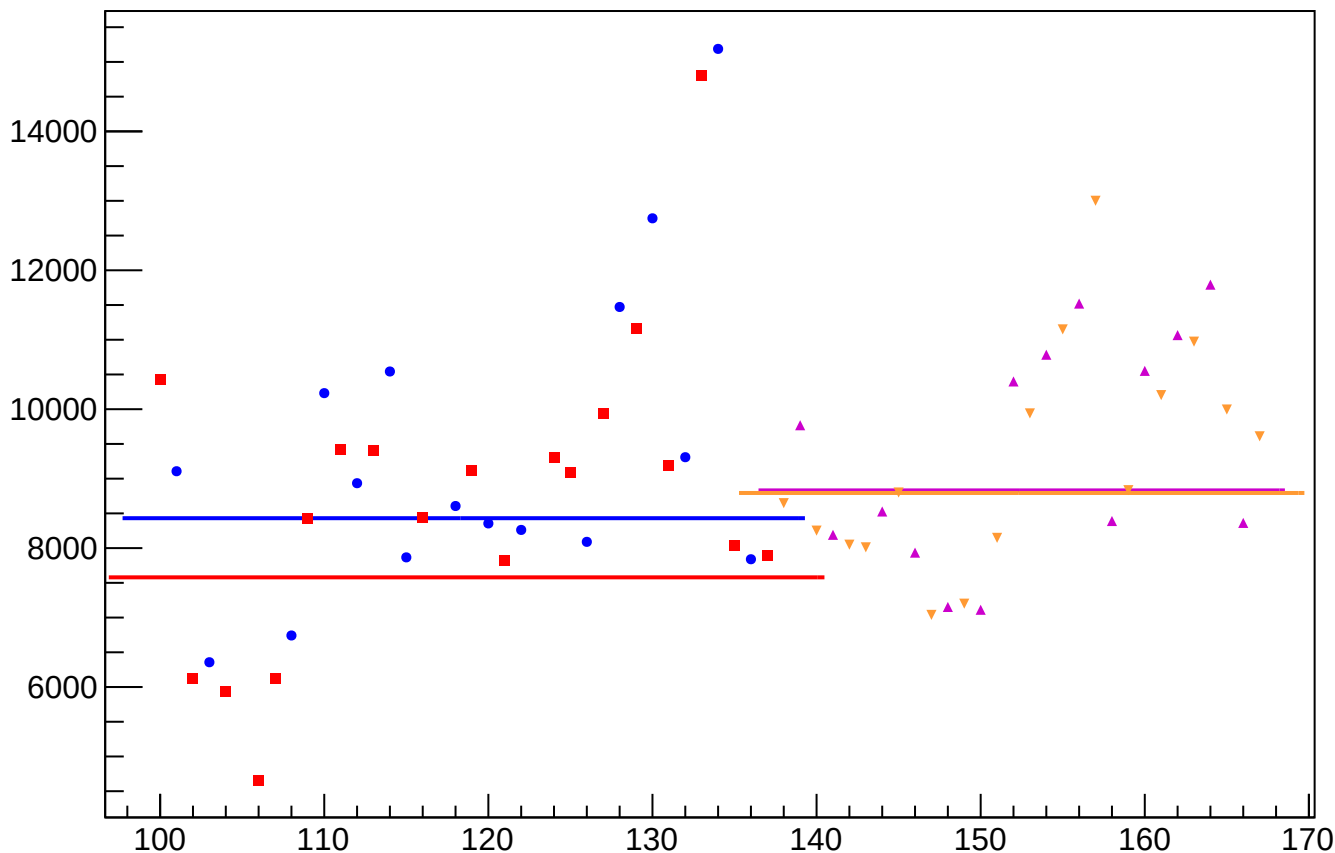
Left In: -2313.650 $\pm$ 2644.258 χ^2/NDF : 9.4/13

+ sign -355.505 $\pm$ 1983.623 χ^2/NDF : 32.4/31

All: -625.038 $\pm$ 1388.995 χ^2/NDF : 57.9/64

- sign -884.337 $\pm$ 1945.599 χ^2/NDF : 25.5/32

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758 $\pm$ 2.271 χ^2/NDF : 580289.4/15

Left Out: 8793.913 $\pm$ 1.784 χ^2/NDF : 615590.8/15

Right Out: 7579.100 $\pm$ 2.031 χ^2/NDF : 974123.2/18

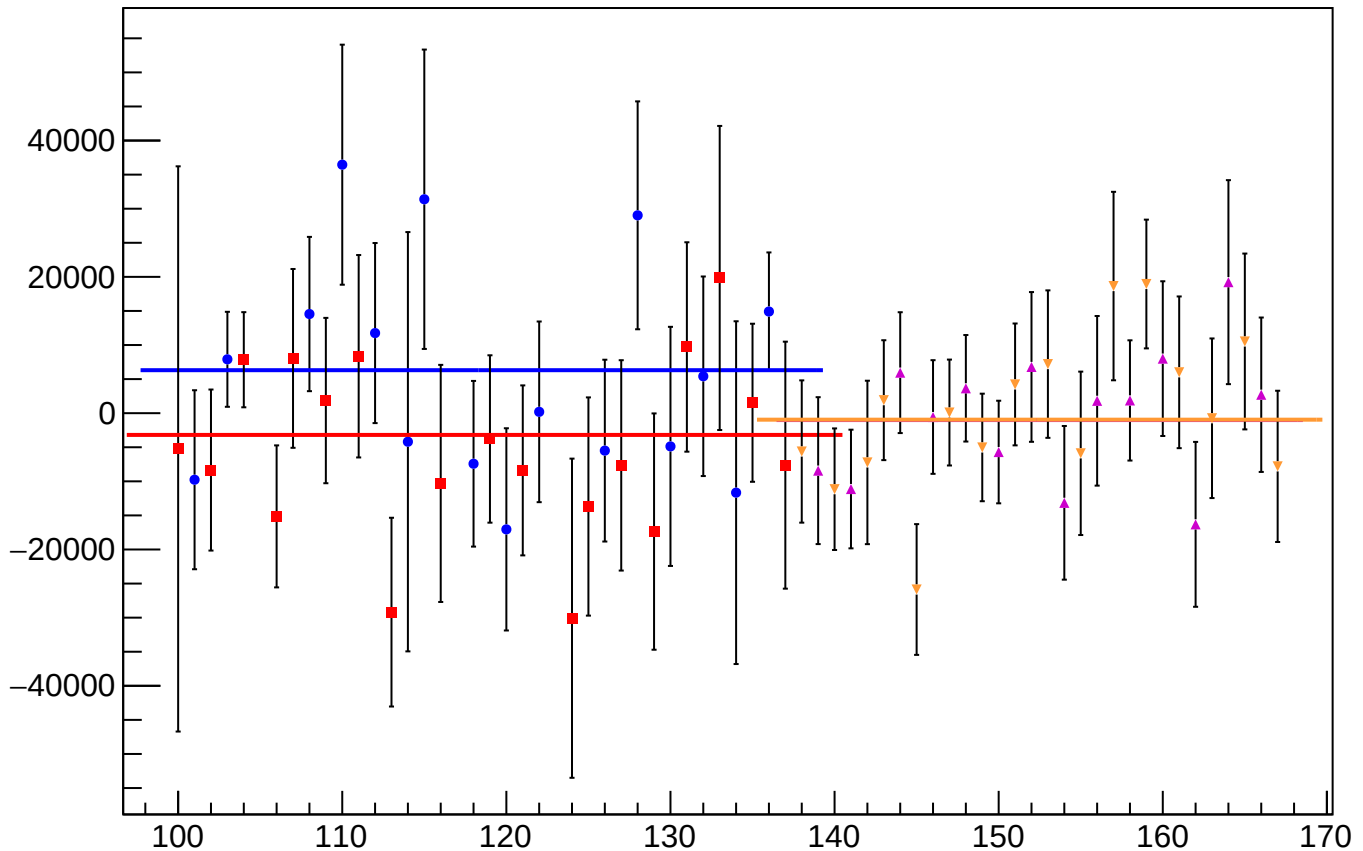
Left In: 8830.736 $\pm$ 1.870 χ^2/NDF : 626572.1/13

+ sign 8655.367 $\pm$ 1.403 χ^2/NDF : 1211697.5/31

All: 8452.179 $\pm$ 0.982 χ^2/NDF : 3059077.0/64

- sign 8256.706 $\pm$ 1.376 χ^2/NDF : 1806206.4/32

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF : 15.1/15

Left Out: -953.472+/-2507.151 χ^2/NDF : 18.0/15

Right Out: -3189.356+/-3068.645 χ^2/NDF : 13.9/18

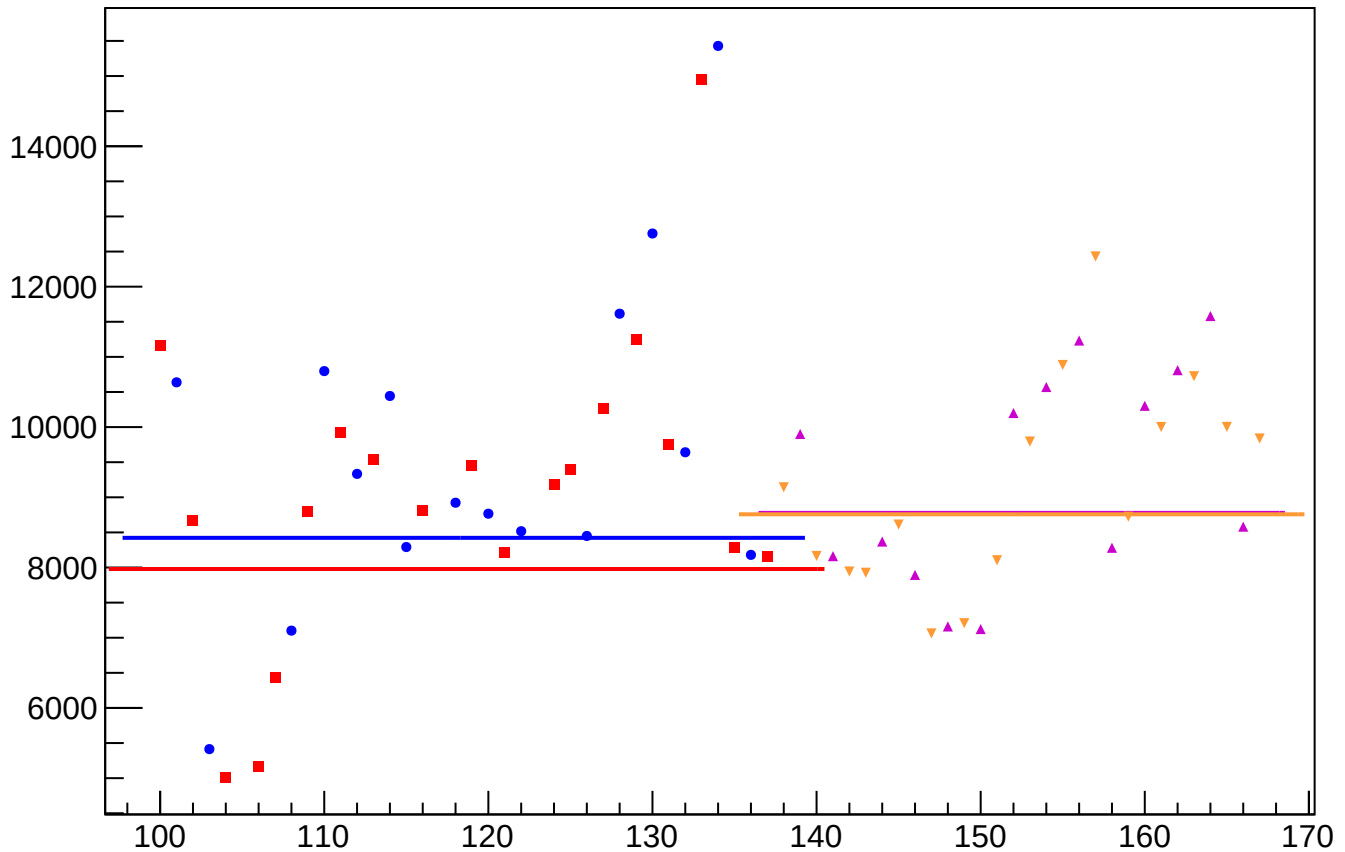
Left In: -1009.145+/-2623.791 χ^2/NDF : 9.2/13

+ sign 1766.082+/-1982.762 χ^2/NDF : 36.3/31

All: -71.273+/-1406.054 χ^2/NDF : 61.3/64

- sign -1929.905+/-1994.209 χ^2/NDF : 23.4/32

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF : 881833.9/15

Left Out: 8757.898+/-1.773 χ^2/NDF : 563994.5/15

Right Out: 7978.997+/-2.170 χ^2/NDF : 1016019.0/18

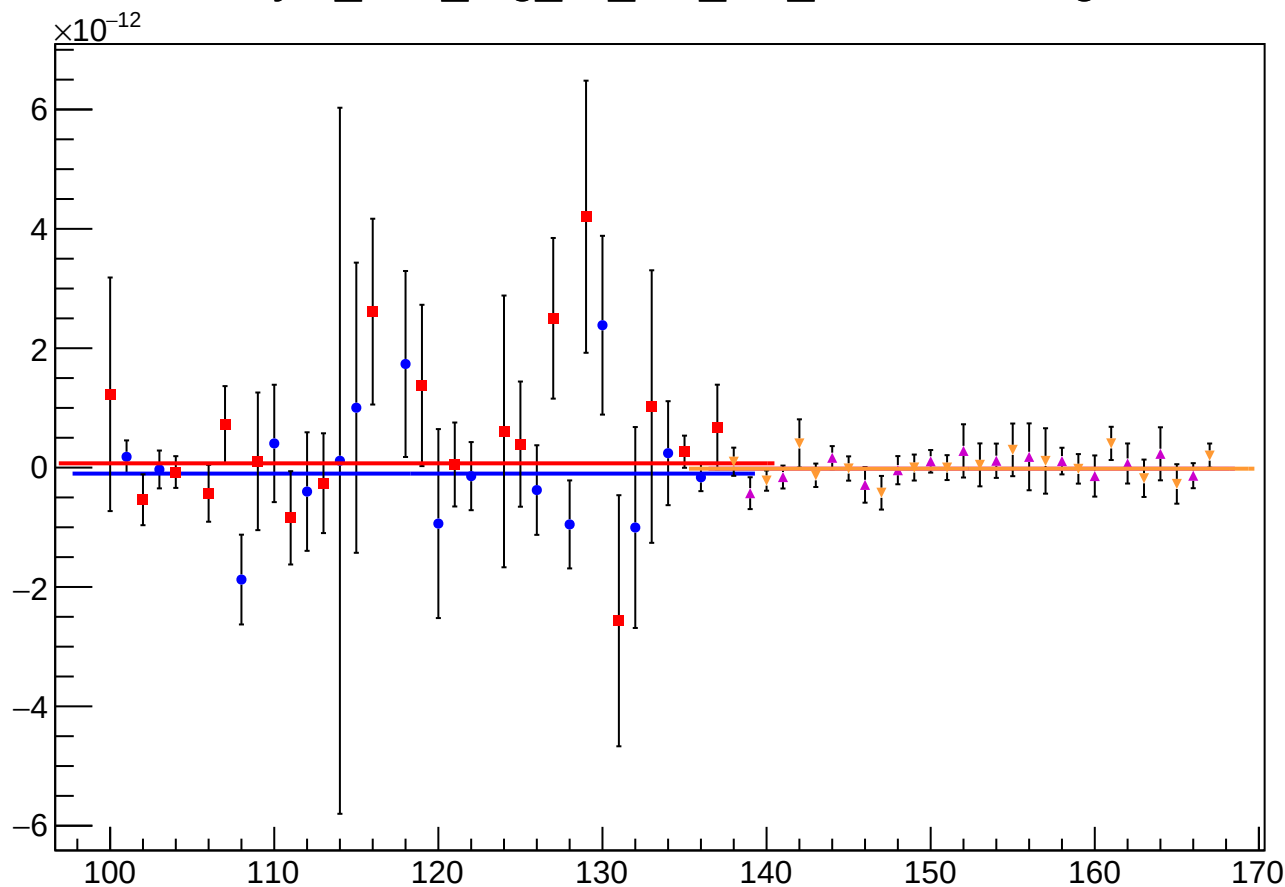
Left In: 8778.355+/-1.855 χ^2/NDF : 572399.9/13

+ sign 8632.350+/-1.402 χ^2/NDF : 1459217.7/31

All: 8537.105+/-0.994 χ^2/NDF : 3135319.3/64

- sign 8440.758+/-1.410 χ^2/NDF : 1666818.1/32

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 : 10.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.6/18

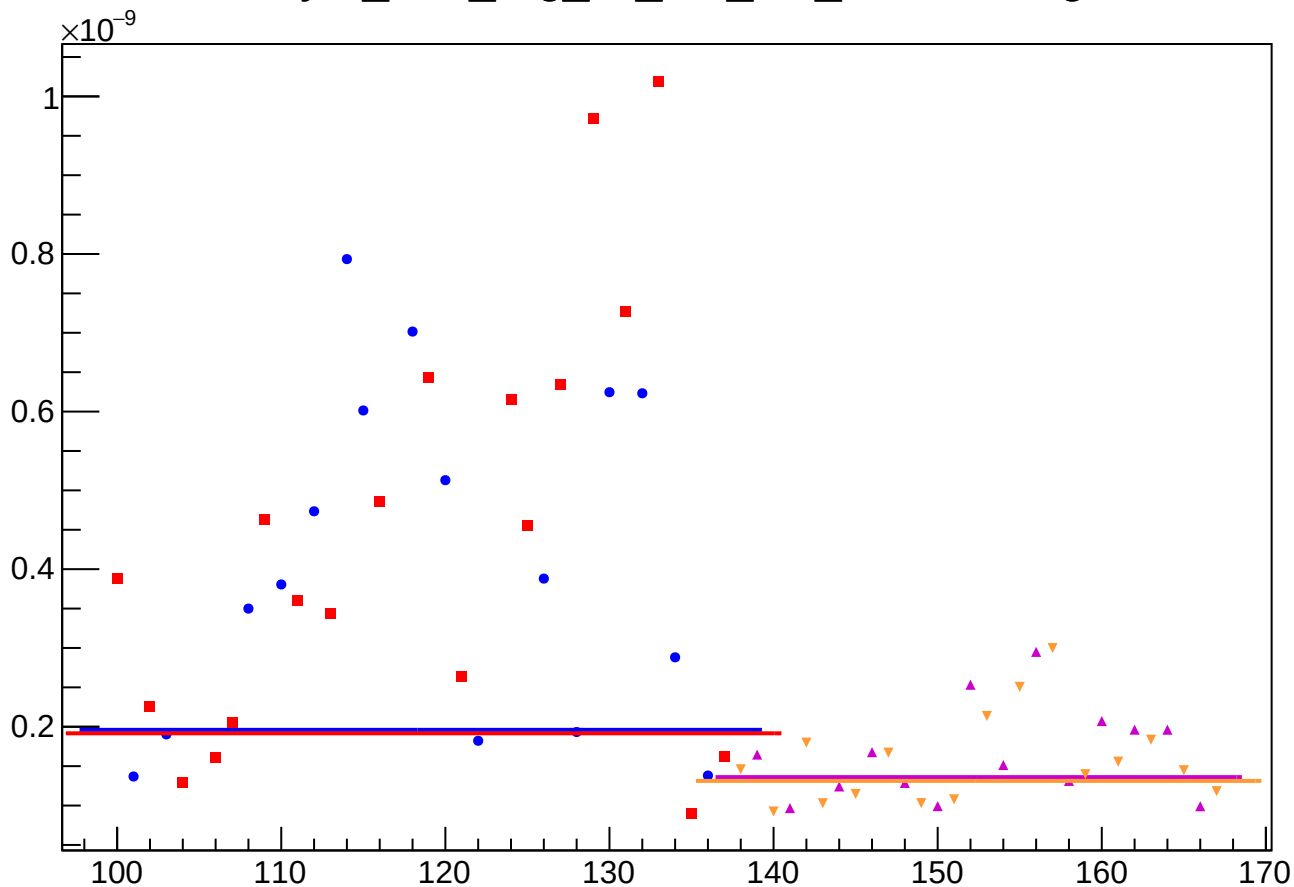
Left In: -0.000 ± 0.000 χ^2/NDF : 7.0/13

+ sign -0.000 ± 0.000 χ^2/NDF : 24.0/31

All: -0.000 ± 0.000 χ^2/NDF : 51.0/64

- sign -0.000 ± 0.000 χ^2/NDF : 26.9/32

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 : 812866.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2066454.3/18

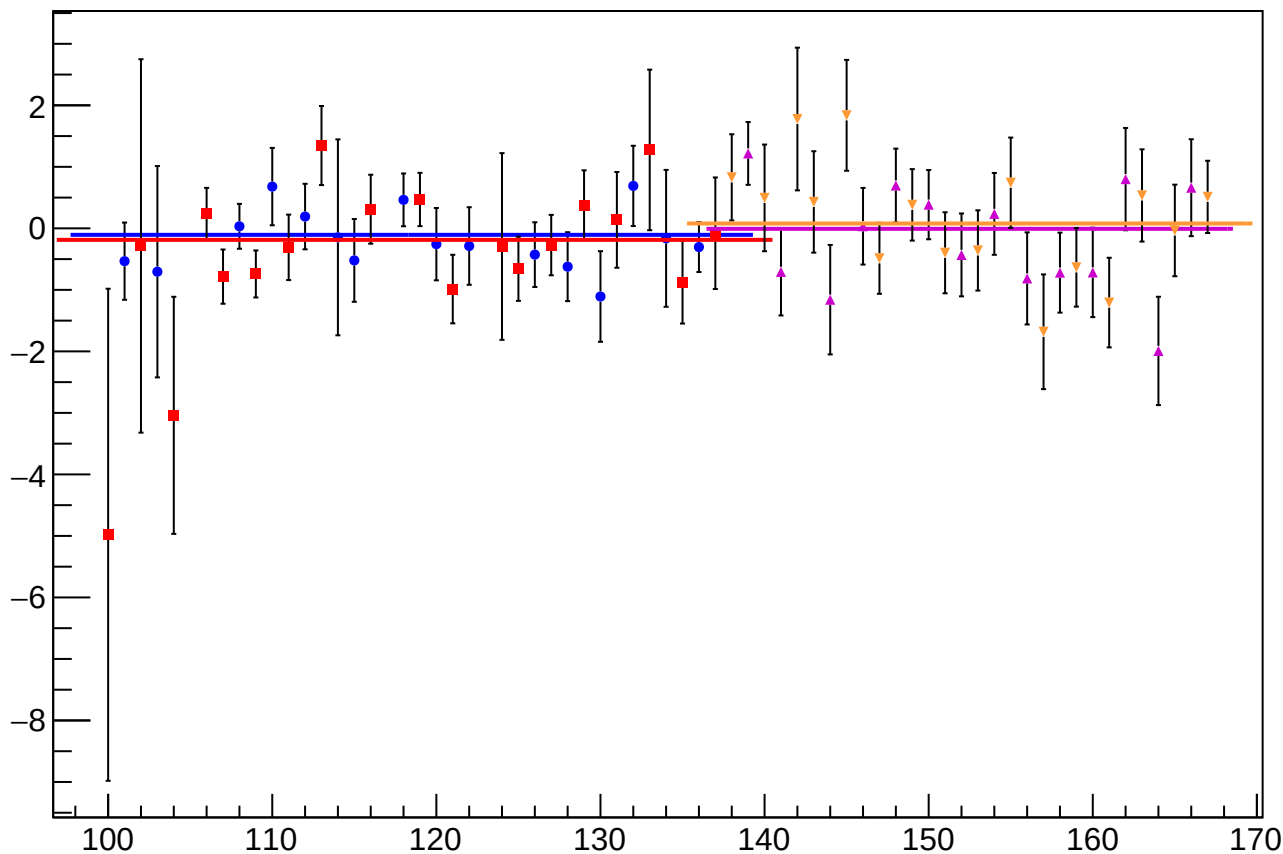
Left In: 0.000+/-0.000 χ^2/NDF : 768884.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 2537462.4/31

All: 0.000+/-0.000 χ^2/NDF : 5633568.7/64

- sign 0.000+/-0.000 χ^2/NDF : 3091192.5/32

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.079 ± 0.179 χ^2/NDF : 19.4/15

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

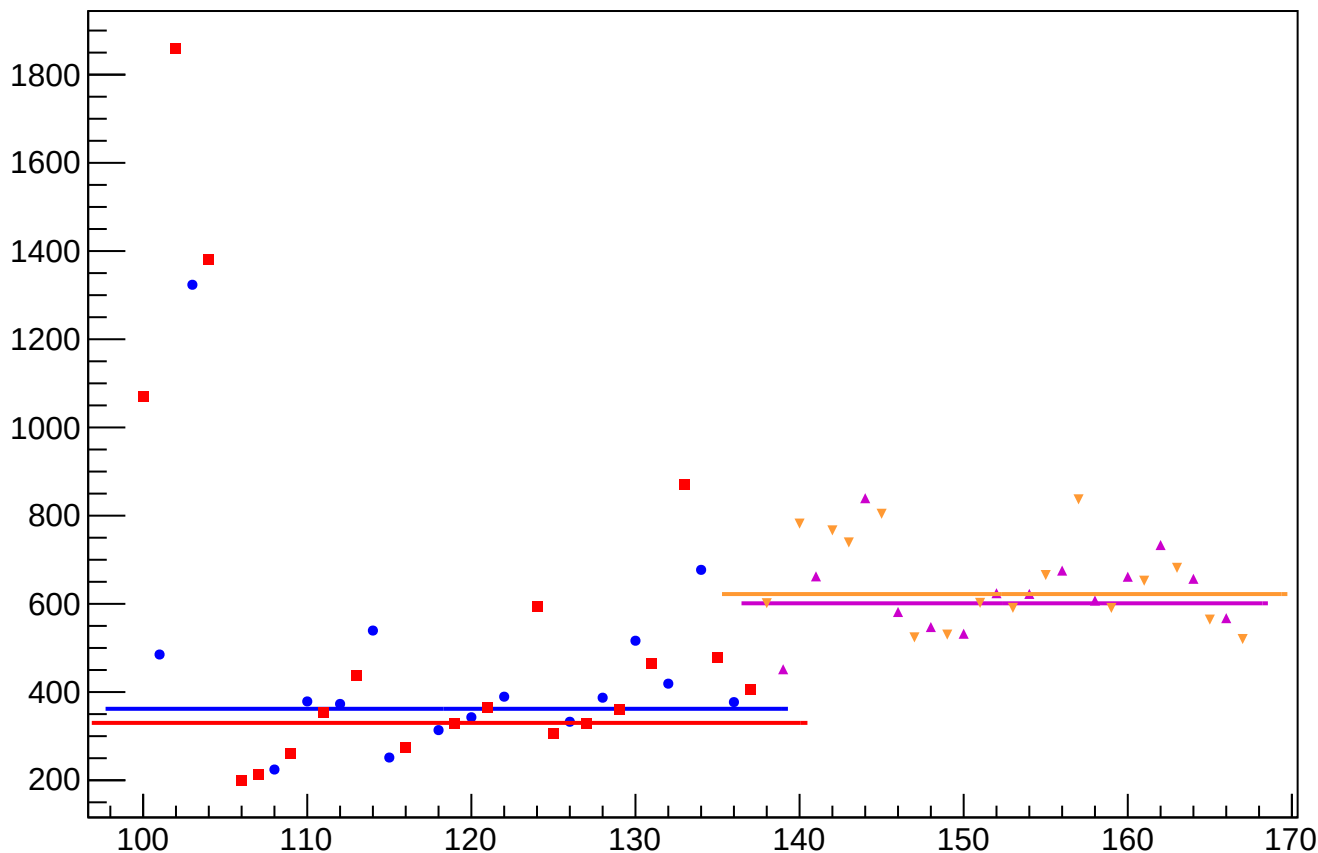
Left In: -0.008 ± 0.181 χ^2/NDF : 20.9/13

+ sign -0.033 ± 0.112 χ^2/NDF : 29.7/31

All: -0.078 ± 0.078 χ^2/NDF : 75.4/64

- sign -0.121 ± 0.109 χ^2/NDF : 45.4/32

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037 ± 0.102 $\chi^2/\text{NDF}: 1377330.2/15$

Left Out: 622.206 ± 0.126 $\chi^2/\text{NDF}: 543245.9/15$

Right Out: 330.084 ± 0.097 $\chi^2/\text{NDF}: 2246513.0/18$

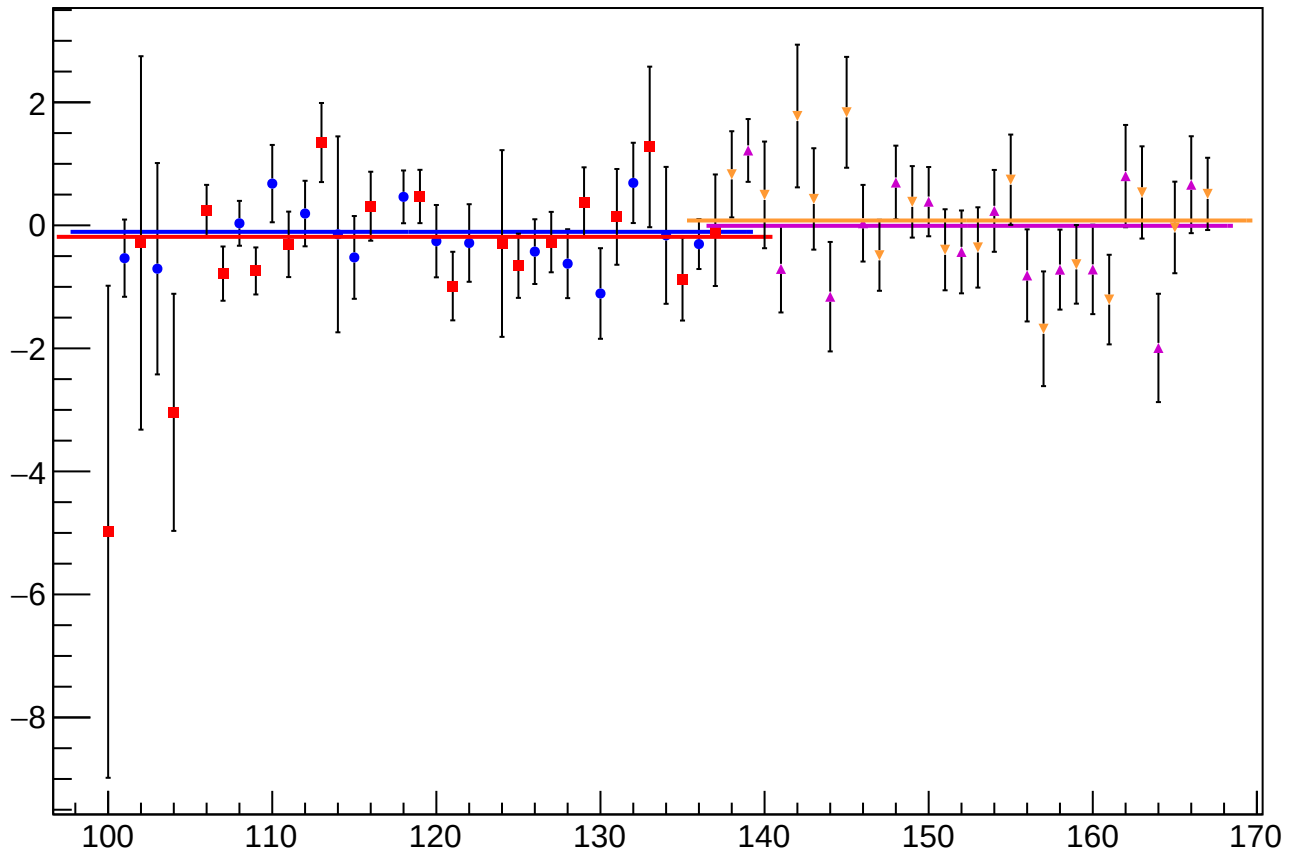
Left In: 601.241 ± 0.128 $\chi^2/\text{NDF}: 478166.9/13$

+ sign 464.923 ± 0.080 $\chi^2/\text{NDF}: 4477964.9/31$

All: 446.529 ± 0.055 $\chi^2/\text{NDF}: 10150819.1/64$

- sign 429.107 ± 0.077 $\chi^2/\text{NDF}: 5568737.7/32$

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.079 ± 0.179 χ^2/NDF : 19.4/15

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

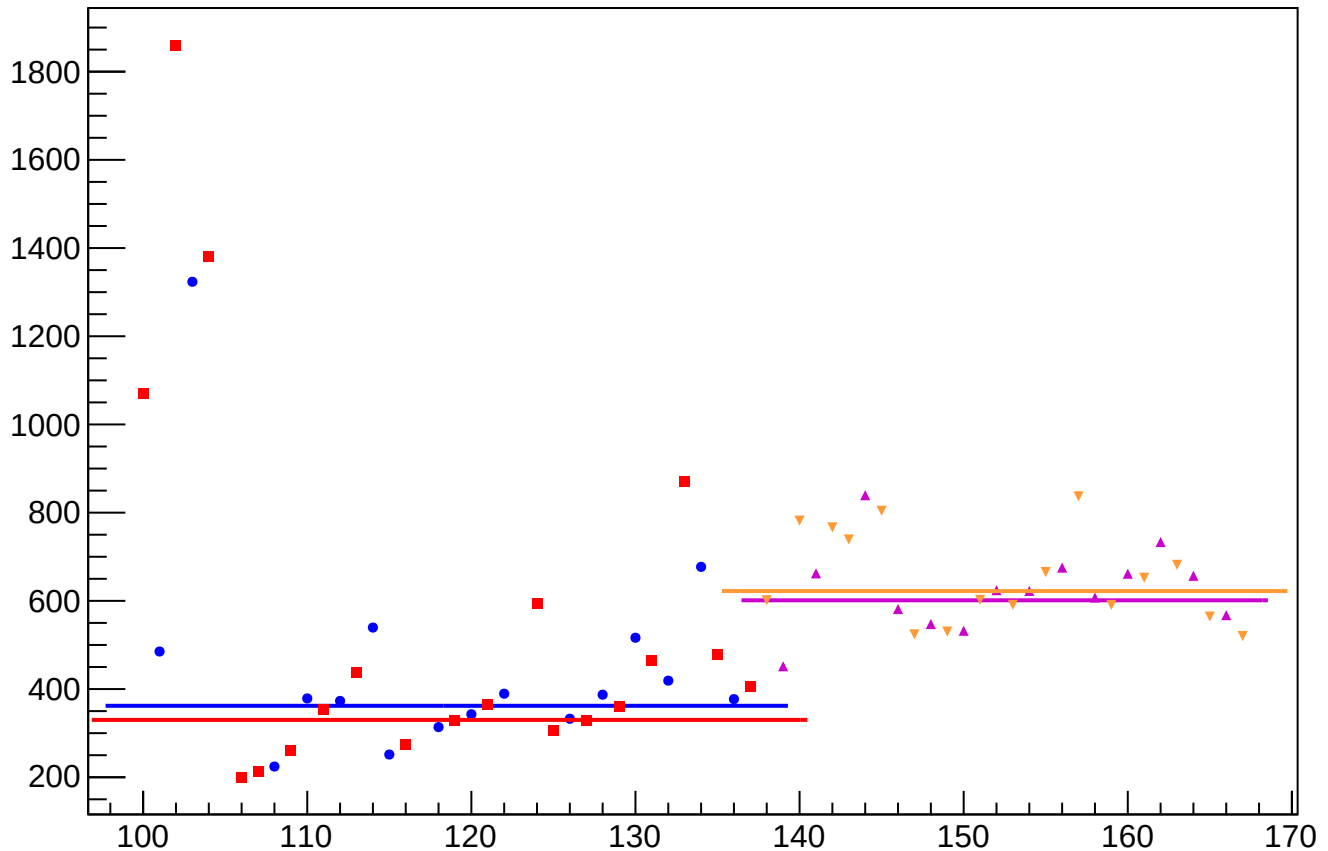
Left In: -0.008 ± 0.181 χ^2/NDF : 20.9/13

+ sign -0.033 ± 0.112 χ^2/NDF : 29.7/31

All: -0.078 ± 0.078 χ^2/NDF : 75.4/64

- sign -0.121 ± 0.109 χ^2/NDF : 45.4/32

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037 ± 0.102 χ^2/NDF : 1377330.2/15

Left Out: 622.206 ± 0.126 χ^2/NDF : 543245.9/15

+ sign 464.923 ± 0.080 χ^2/NDF : 4477964.9/31

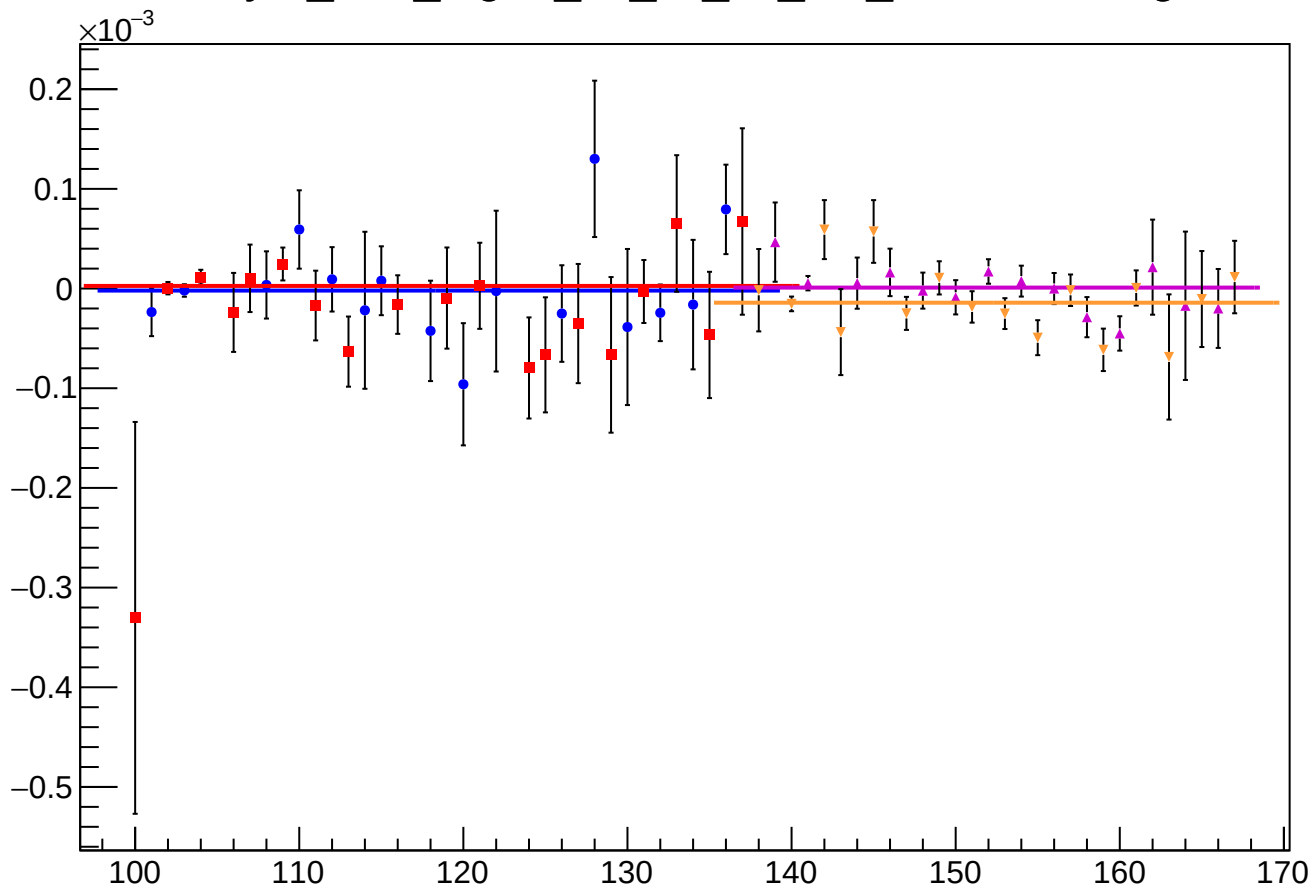
Right Out: 330.084 ± 0.097 χ^2/NDF : 2246513.0/18

All: 446.529 ± 0.055 χ^2/NDF : 10150819.1/64

- sign 429.107 ± 0.077 χ^2/NDF : 5568737.7/32

Left In: 601.241 ± 0.128 χ^2/NDF : 478166.9/13

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 : 26.6/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.2/18

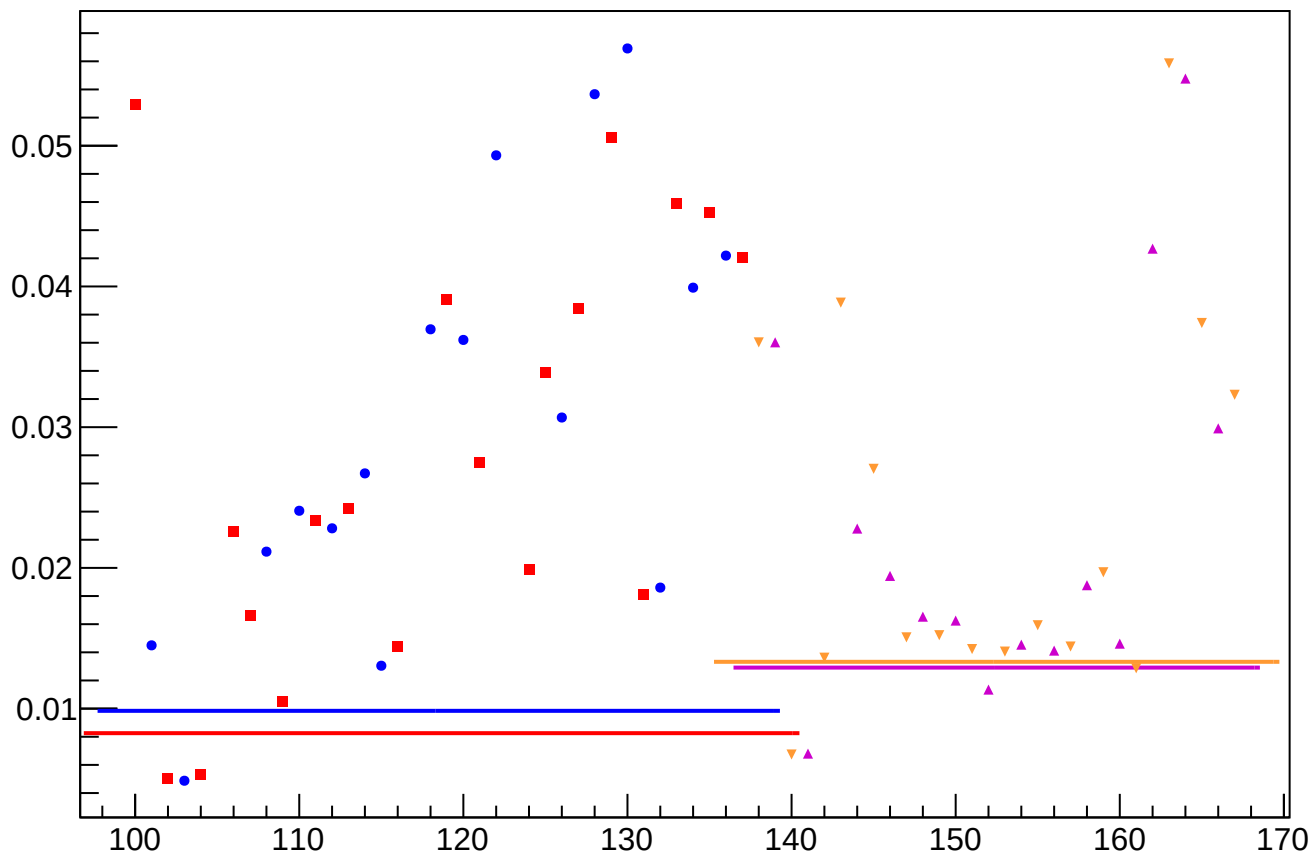
Left In: 0.000 ± 0.000 χ^2/NDF : 14.2/13

+ sign -0.000 ± 0.000 χ^2/NDF : 43.4/31

All: -0.000 ± 0.000 χ^2/NDF : 81.9/64

- sign 0.000 ± 0.000 χ^2/NDF : 32.5/32

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: 0.013 $\pm$ 0.000 χ^2 /NDF:5545037.2/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6740964.7/18

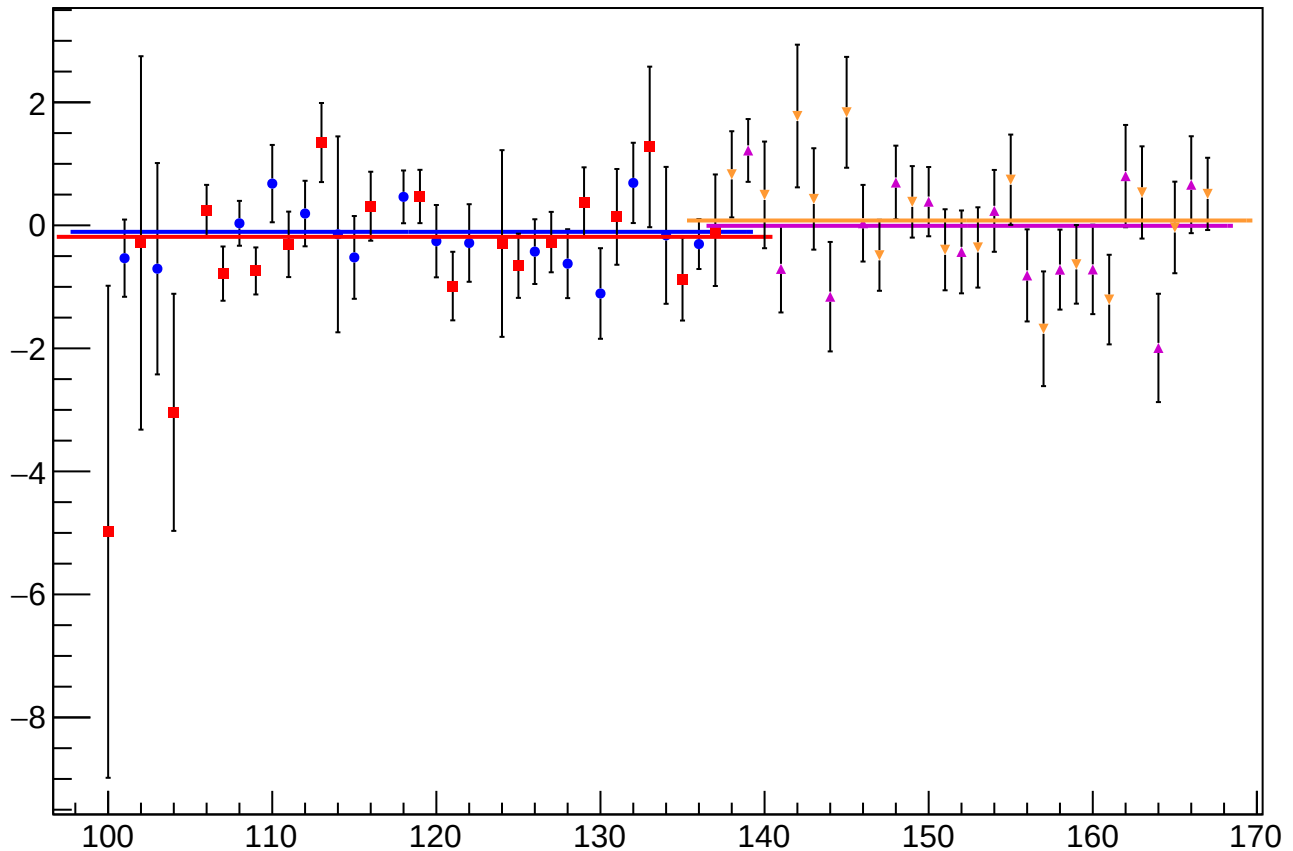
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:4737752.0/13

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 13095523.0/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 25937094.9/64

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 12641870.8/32

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.079 ± 0.179 χ^2/NDF : 19.4/15

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

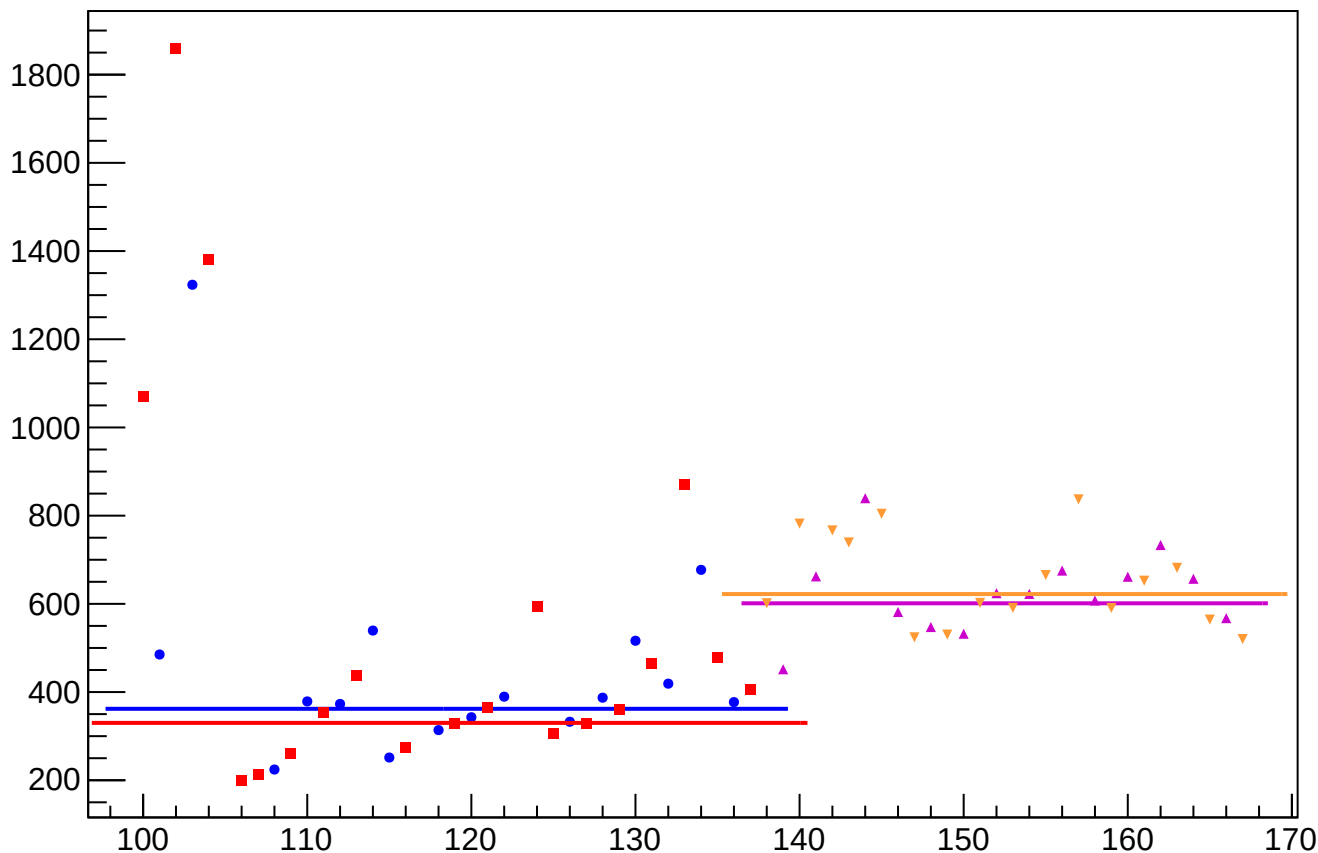
Left In: -0.008 ± 0.181 χ^2/NDF : 20.9/13

+ sign -0.033 ± 0.112 χ^2/NDF : 29.7/31

All: -0.078 ± 0.078 χ^2/NDF : 75.4/64

- sign -0.121 ± 0.109 χ^2/NDF : 45.4/32

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034 ± 0.102 $\chi^2/\text{NDF}: 1377333.3/15$

Left Out: 622.217 ± 0.126 $\chi^2/\text{NDF}: 543231.8/15$

Right Out: 330.082 ± 0.097 $\chi^2/\text{NDF}: 2246503.8/18$

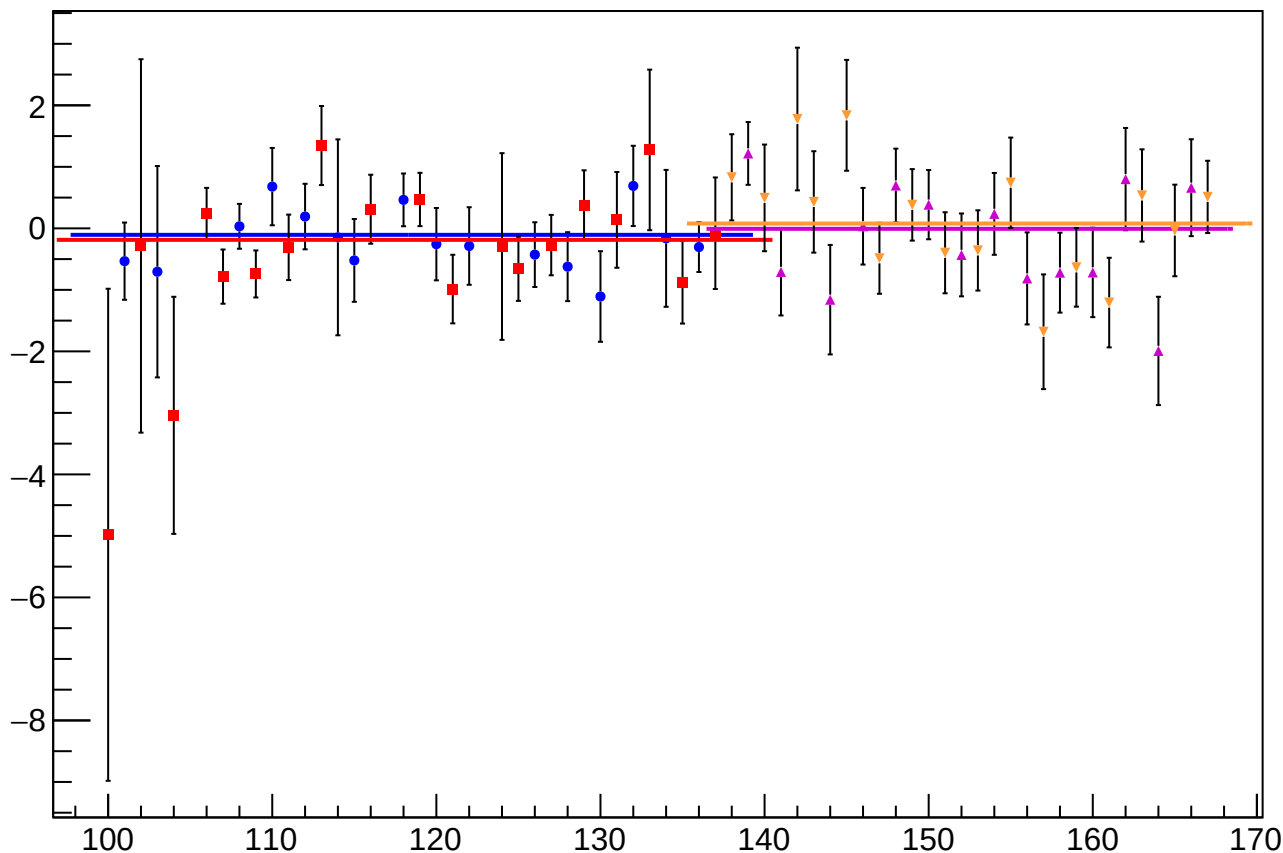
Left In: 601.250 ± 0.128 $\chi^2/\text{NDF}: 478157.6/13$

+ sign 464.923 ± 0.080 $\chi^2/\text{NDF}: 4478174.5/31$

All: 446.529 ± 0.055 $\chi^2/\text{NDF}: 10151181.4/64$

- sign 429.107 ± 0.077 $\chi^2/\text{NDF}: 5568893.7/32$

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: 0.079 ± 0.179 χ^2/NDF : 19.4/15

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

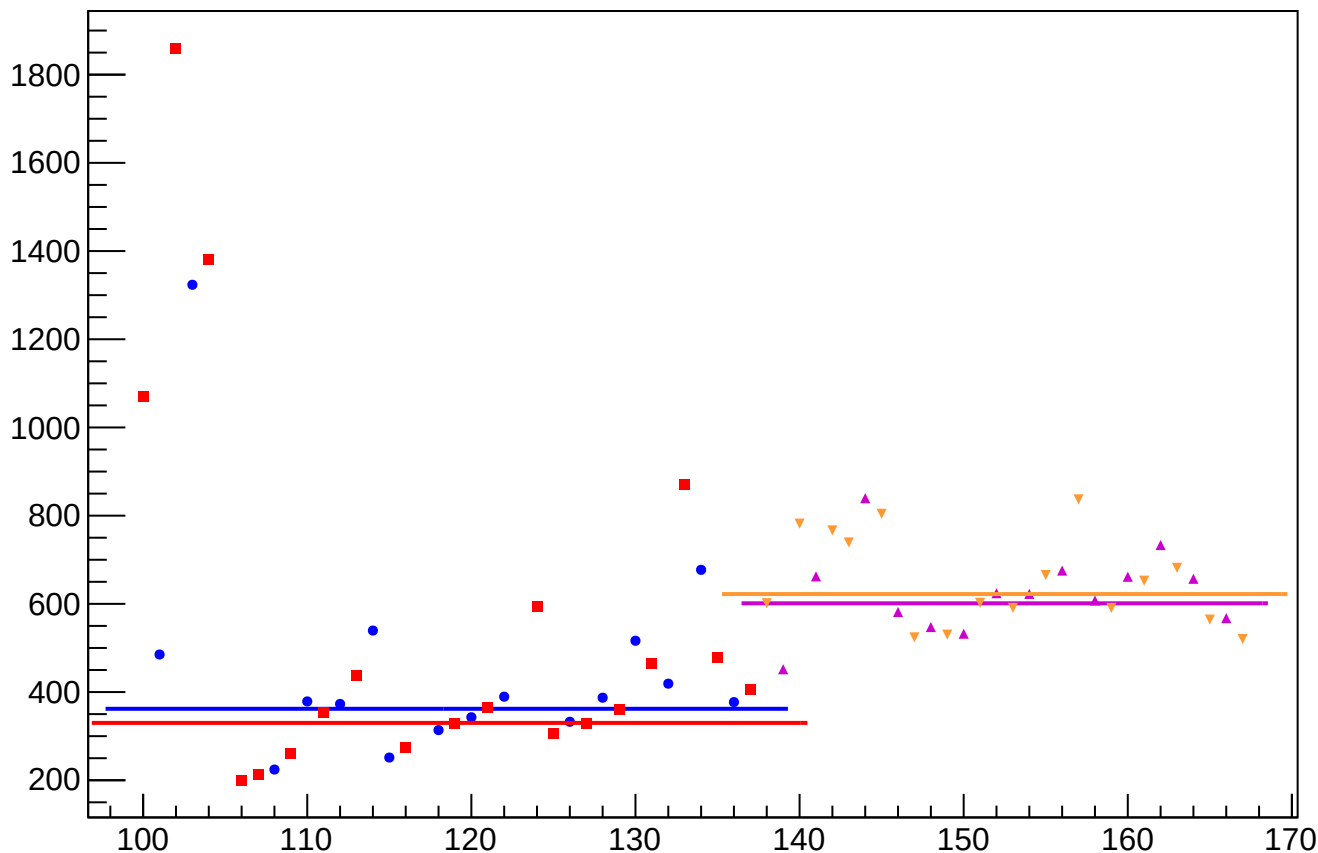
Left In: -0.008 ± 0.181 χ^2/NDF : 20.9/13

+ sign -0.033 ± 0.112 χ^2/NDF : 29.7/31

All: -0.078 ± 0.078 χ^2/NDF : 75.4/64

- sign -0.121 ± 0.109 χ^2/NDF : 45.4/32

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: 622.217 $\pm$ 0.126 χ^2/NDF : 543231.8/15

Right Out: 330.082 $\pm$ 0.097 χ^2/NDF : 2246503.8/18

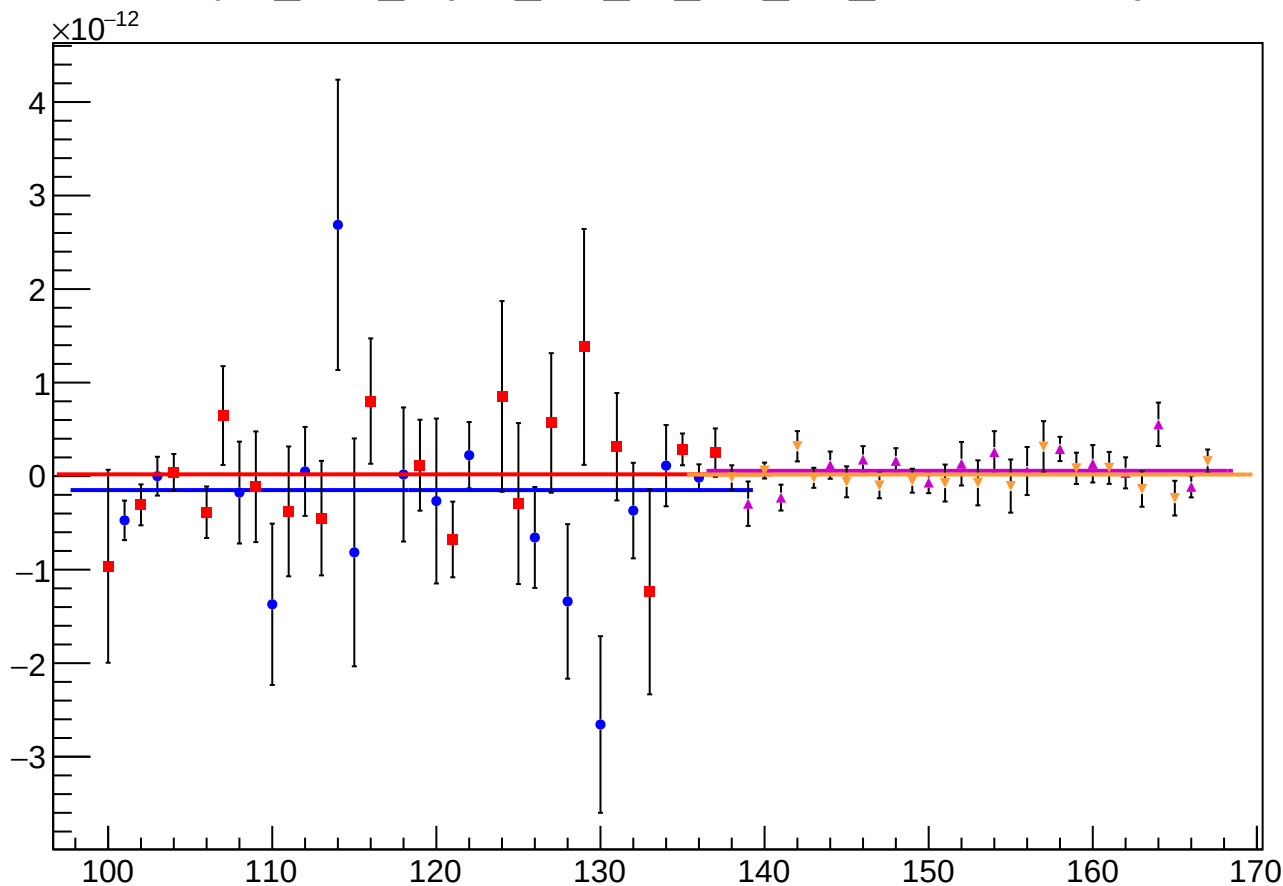
Left In: 601.250 $\pm$ 0.128 χ^2/NDF : 478157.6/13

+ sign 464.923 $\pm$ 0.080 χ^2/NDF : 4478174.5/31

All: 446.529 $\pm$ 0.055 χ^2/NDF : 10151181.4/64

- sign 429.107 $\pm$ 0.077 χ^2/NDF : 5568893.7/32

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 : 11.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.4/18

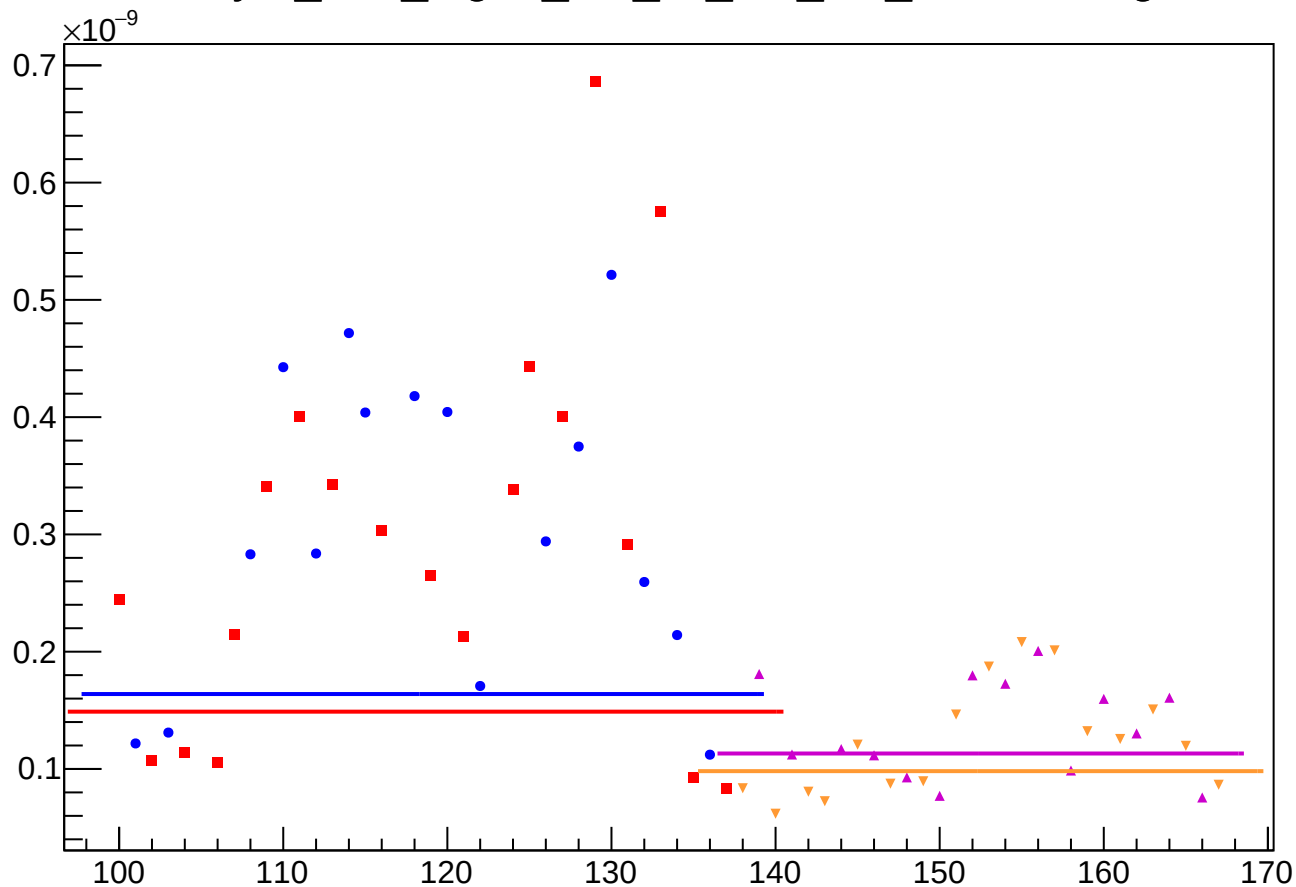
Left In: 0.000 ± 0.000 χ^2/NDF : 20.3/13

+ sign -0.000 ± 0.000 χ^2/NDF : 35.3/31

All: 0.000 ± 0.000 χ^2/NDF : 76.5/64

- sign 0.000 ± 0.000 χ^2/NDF : 39.9/32

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2011207.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1898265.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2846265.5/18

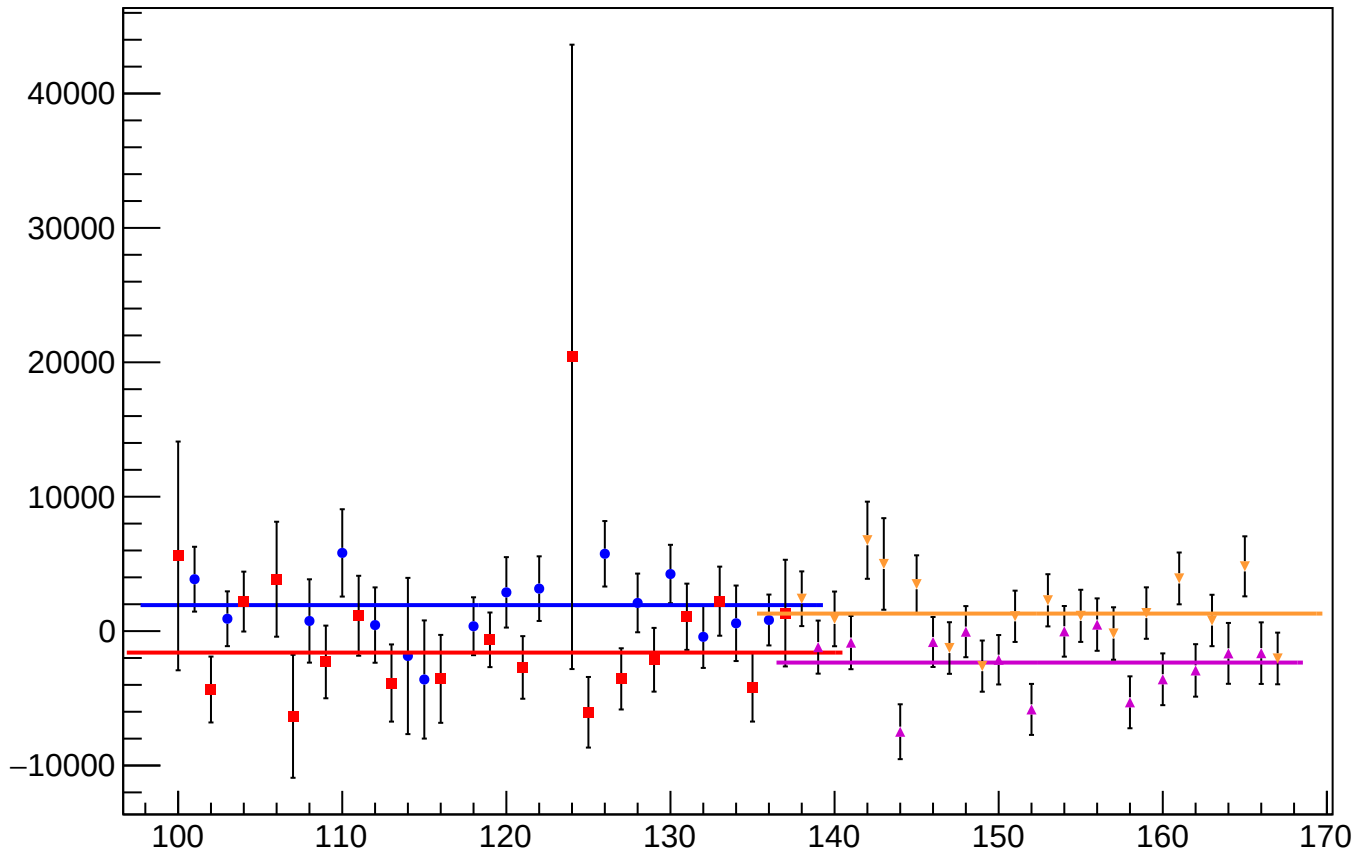
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1404817.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4871654.5/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9530842.3/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4542434.6/32

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755 ± 627.874 χ^2/NDF : 10.9/15

Left Out: 1304.158 ± 512.371 χ^2/NDF : 20.4/15

Right Out: -1597.959 ± 642.207 χ^2/NDF : 19.4/18

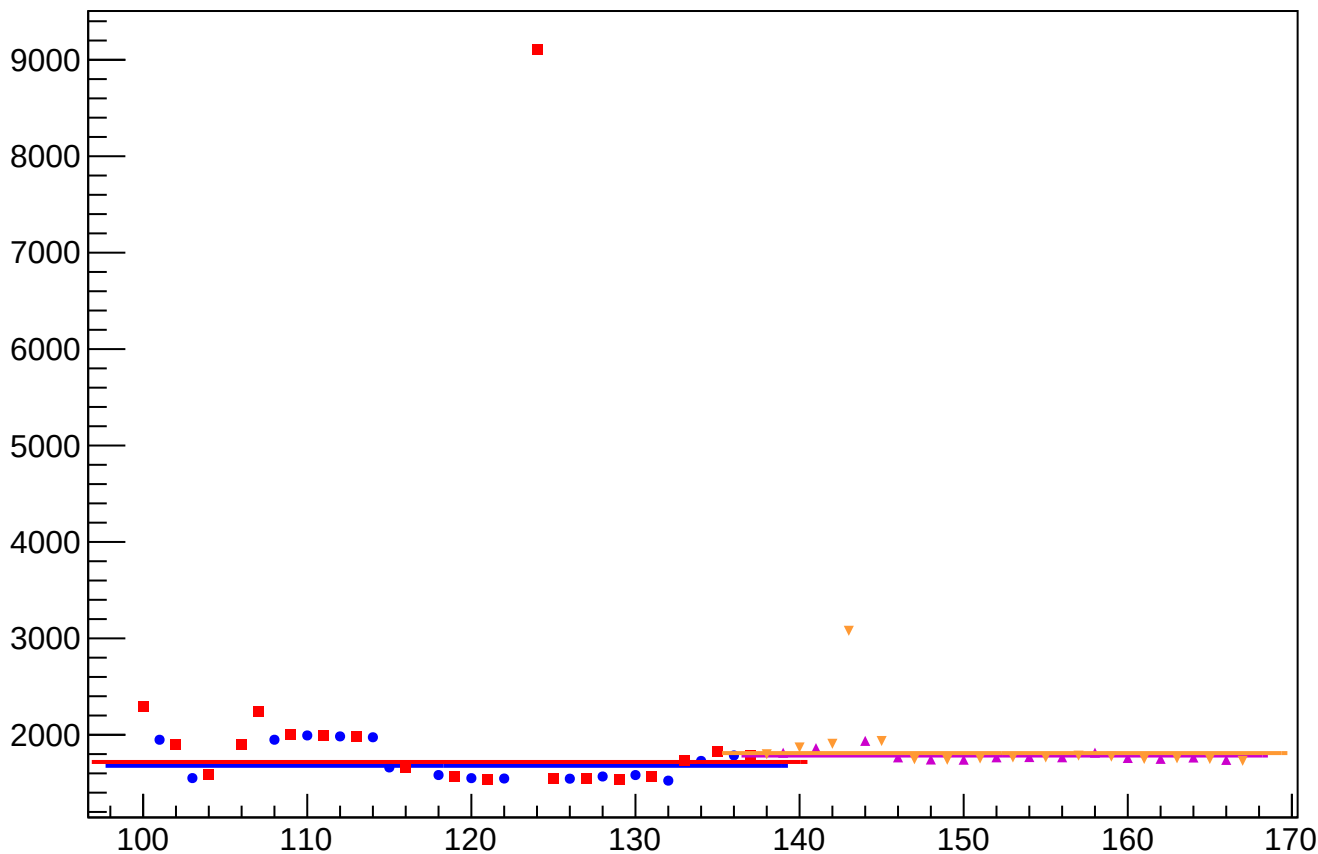
Left In: -2340.984 ± 525.533 χ^2/NDF : 19.4/13

+ sign 1556.228 ± 396.969 χ^2/NDF : 31.9/31

All: -199.750 ± 284.082 χ^2/NDF : 111.7/64

- sign -2042.976 ± 406.712 χ^2/NDF : 39.6/32

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.6/15

Left Out: 1810.403+/-0.362 χ^2/NDF : 306375.9/15

Right Out: 1718.312+/-0.452 χ^2/NDF : 383179.3/18

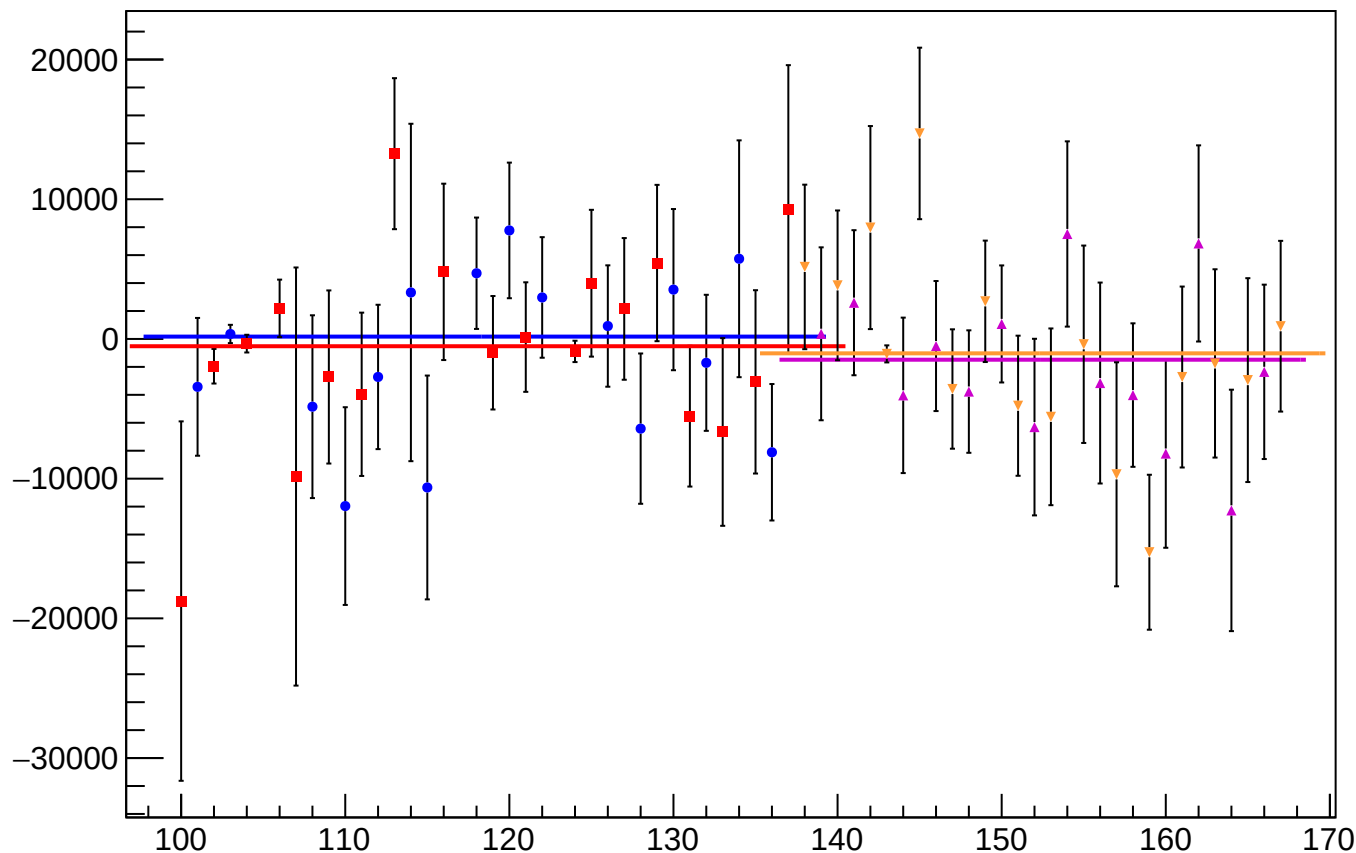
Left In: 1784.953+/-0.372 χ^2/NDF : 19647.6/13

+ sign 1757.694+/-0.281 χ^2/NDF : 500807.3/31

All: 1757.880+/-0.201 χ^2/NDF : 916606.7/64

- sign 1758.073+/-0.287 χ^2/NDF : 415798.5/32

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283 $\pm$ 591.607 χ^2 /NDF: 15.8/15

Left Out: -1030.217 $\pm$ 565.670 χ^2 /NDF:20.2/15

Right Out: -521.080 $\pm$ 424.783 χ^2 /NDF: 18.5/18

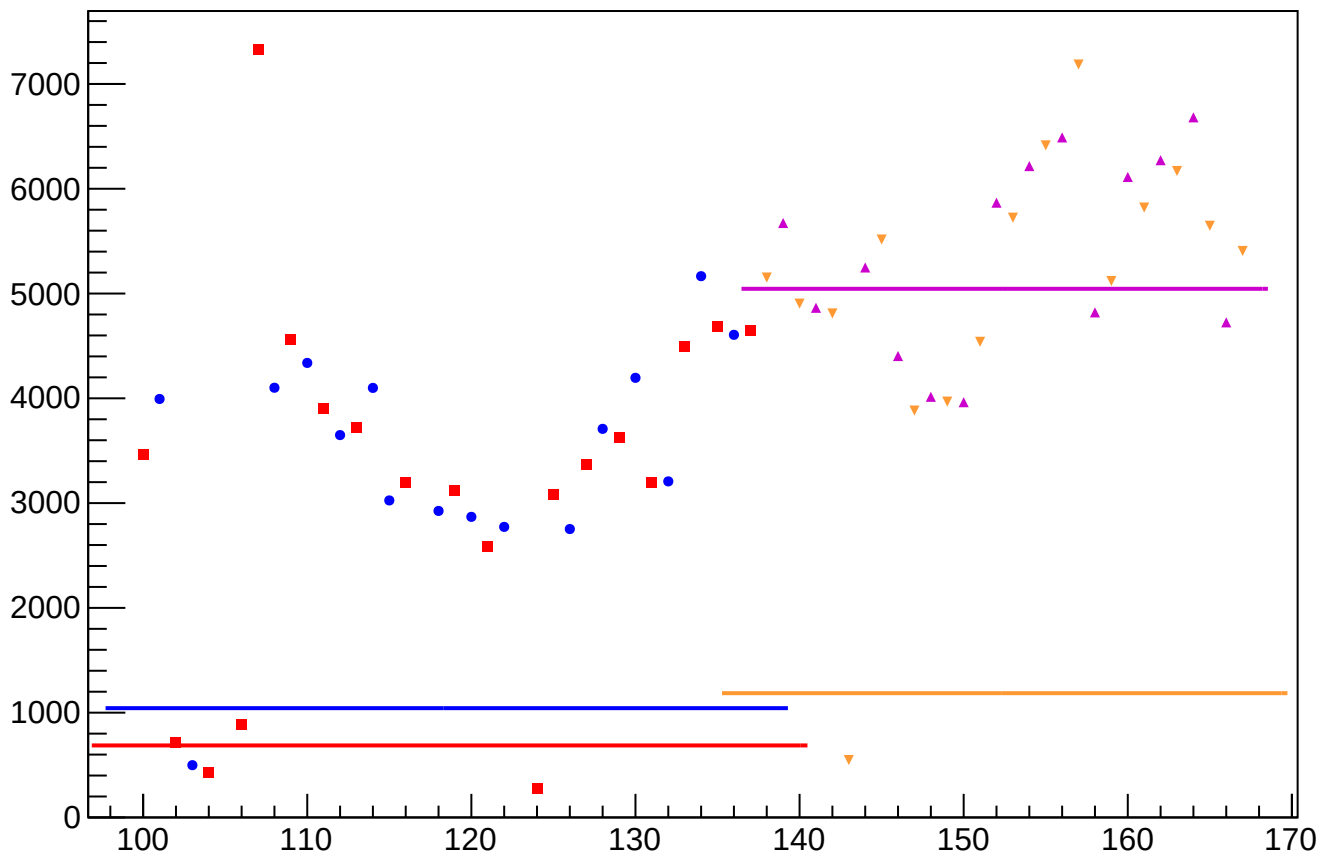
Left In: -1486.848 $\pm$ 1512.552 χ^2 /NDF:8.3/13

+ sign -457.815 $\pm$ 408.851 χ^2 /NDF: 38.2/31

All: -524.730 $\pm$ 289.140 χ^2 /NDF: 65.5/64

- sign -591.682 $\pm$ 408.961 χ^2 /NDF: 27.2/32

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF : 8111897.6/15

Left Out: 1186.114+/-0.400 χ^2/NDF : 16128053.3/15

Right Out: 687.329+/-0.300 χ^2/NDF : 8631529.6/18

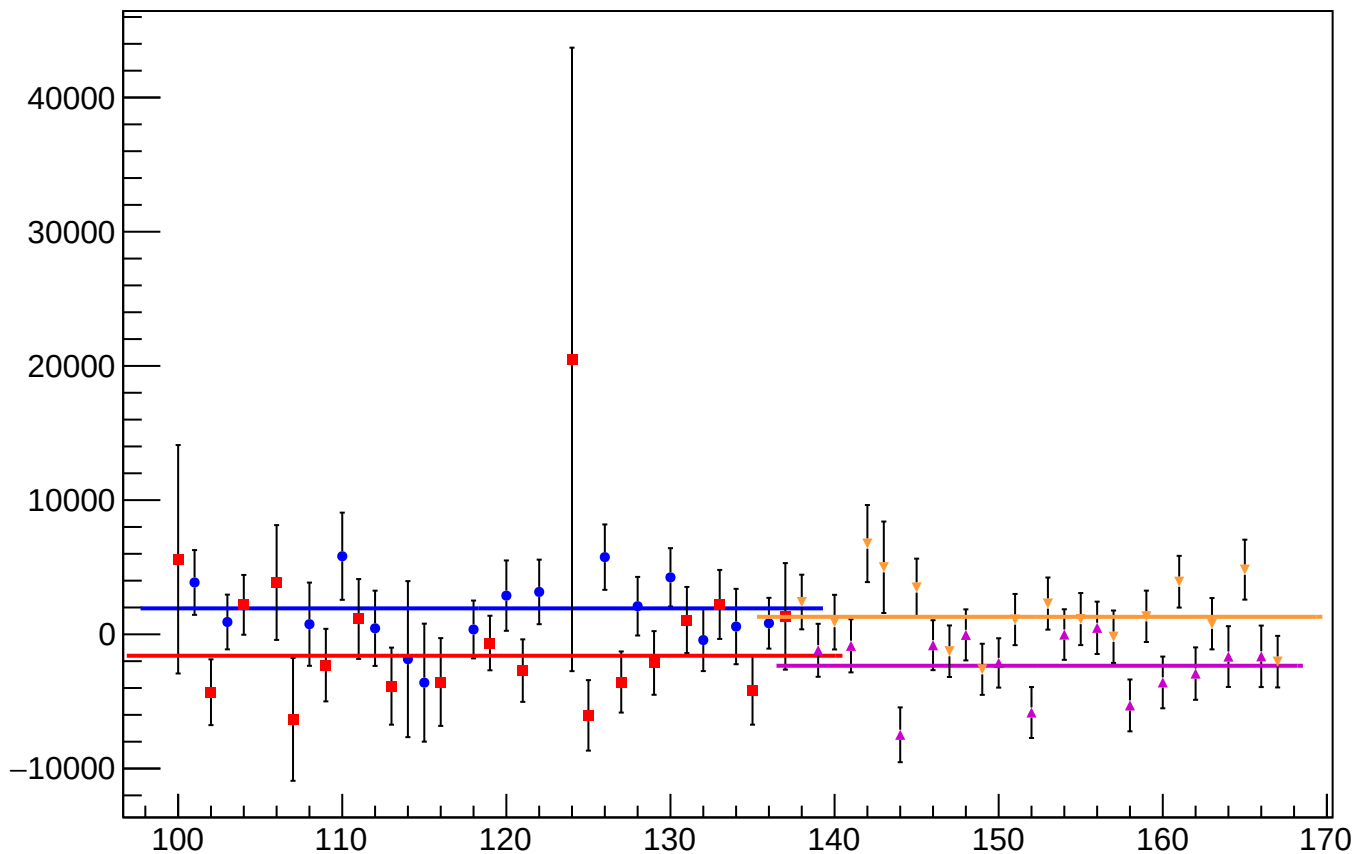
Left In: 5045.312+/-1.070 χ^2/NDF : 676706.2/13

+ sign 1117.819+/-0.289 χ^2/NDF : 24300991.9/31

All: 1061.883+/-0.204 χ^2/NDF : 49073155.3/6

- sign 1005.917+/-0.289 χ^2/NDF : 24697273.5/32

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871 $\pm$ 627.874 χ^2 /NDF: 10.9/15

Left Out: 1304.159 $\pm$ 512.371 χ^2 /NDF:20.4/15

Right Out: -1595.521 $\pm$ 642.212 χ^2 /NDF: 19.4/18

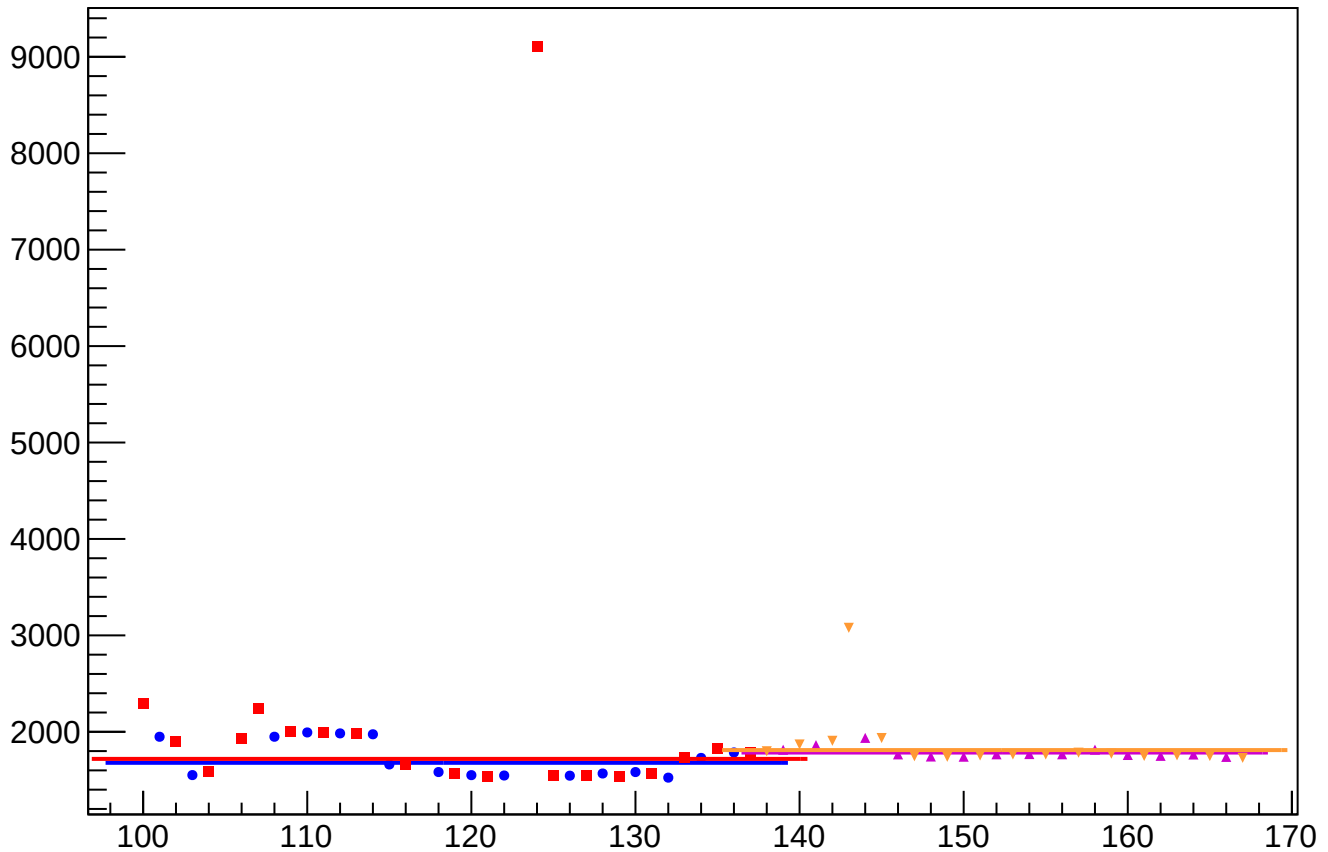
Left In: -2341.122 $\pm$ 525.533 χ^2 /NDF:19.4/13

+ sign 1556.274 $\pm$ 396.969 χ^2 /NDF: 31.9/31

All: -199.285 $\pm$ 284.082 χ^2 /NDF: 111.6/64

- sign -2042.084 $\pm$ 406.713 χ^2 /NDF: 39.6/32

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF : 306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

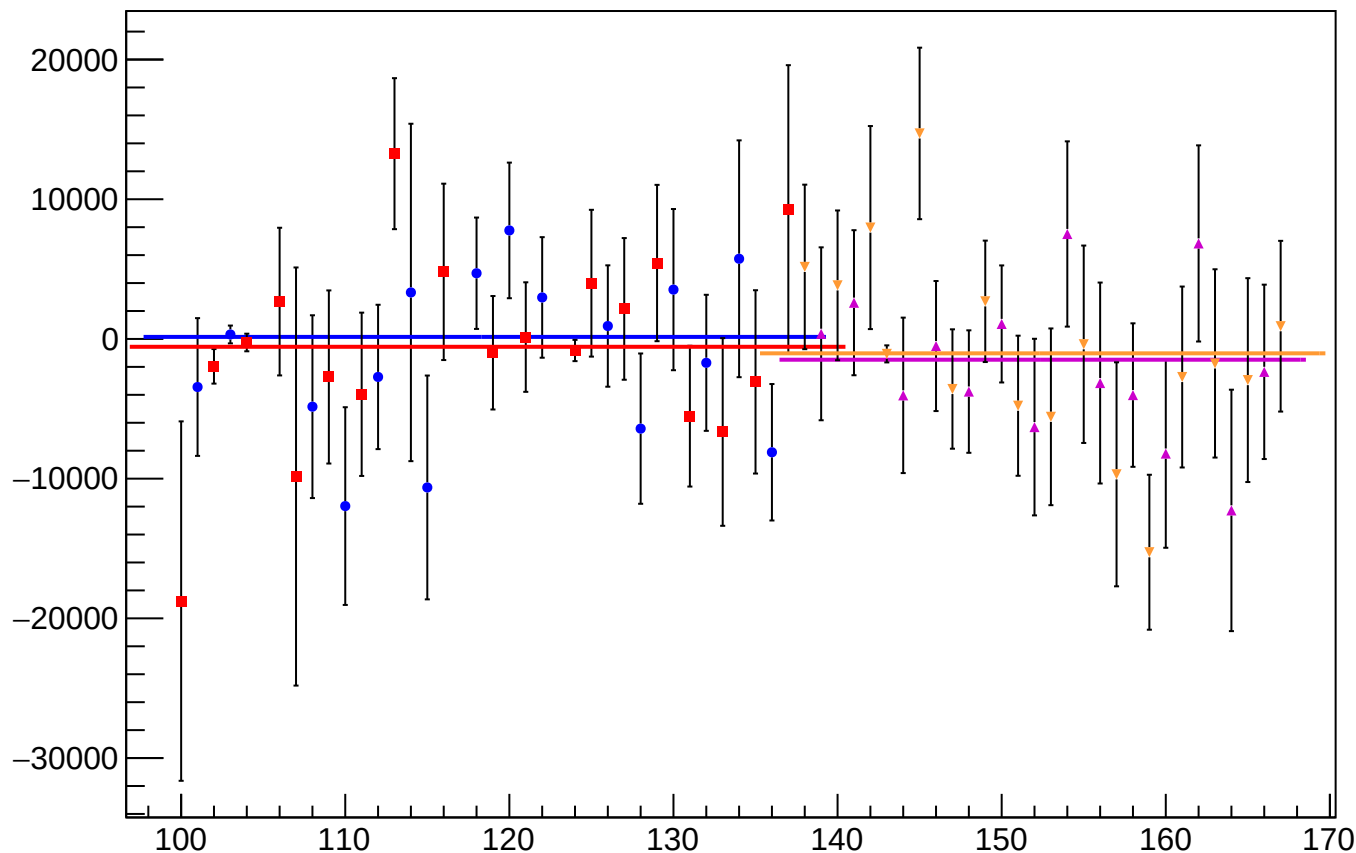
Left In: 1784.953+/-0.372 χ^2/NDF : 19647.6/13

+ sign 1757.694+/-0.281 χ^2/NDF : 500807.5/31

All: 1758.052+/-0.201 χ^2/NDF : 918022.1/64

- sign 1758.425+/-0.287 χ^2/NDF : 417211.3/32

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2 /NDF: 15.8/15

Left Out: -1029.867 $\pm$ 565.649 χ^2 /NDF:20.2/15

Right Out: -561.454 $\pm$ 430.621 χ^2 /NDF: 17.2/18

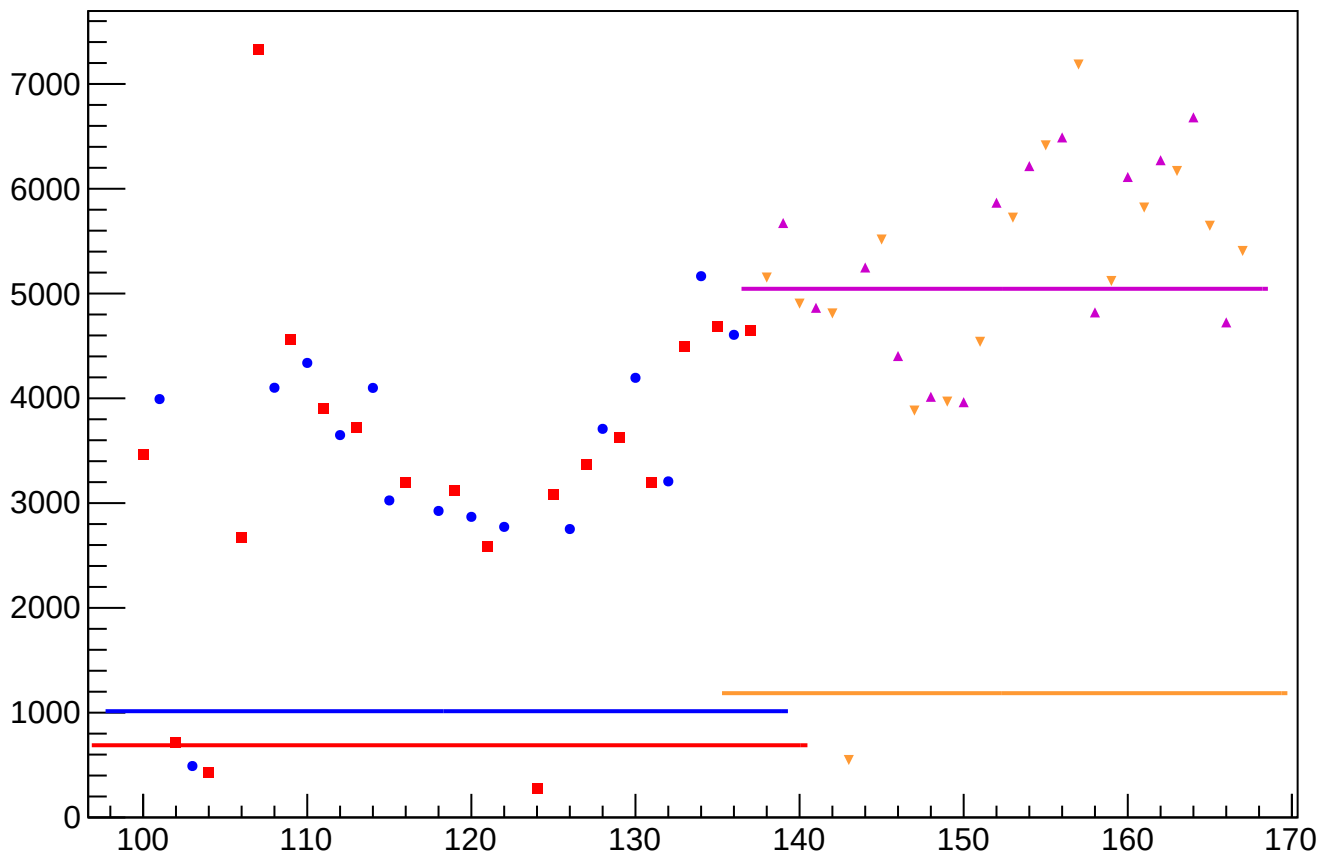
Left In: -1486.994 $\pm$ 1512.550 χ^2 /NDF:8.3/13

+ sign -455.740 $\pm$ 404.734 χ^2 /NDF: 38.1/31

All: -541.278 $\pm$ 289.466 χ^2 /NDF: 64.1/64

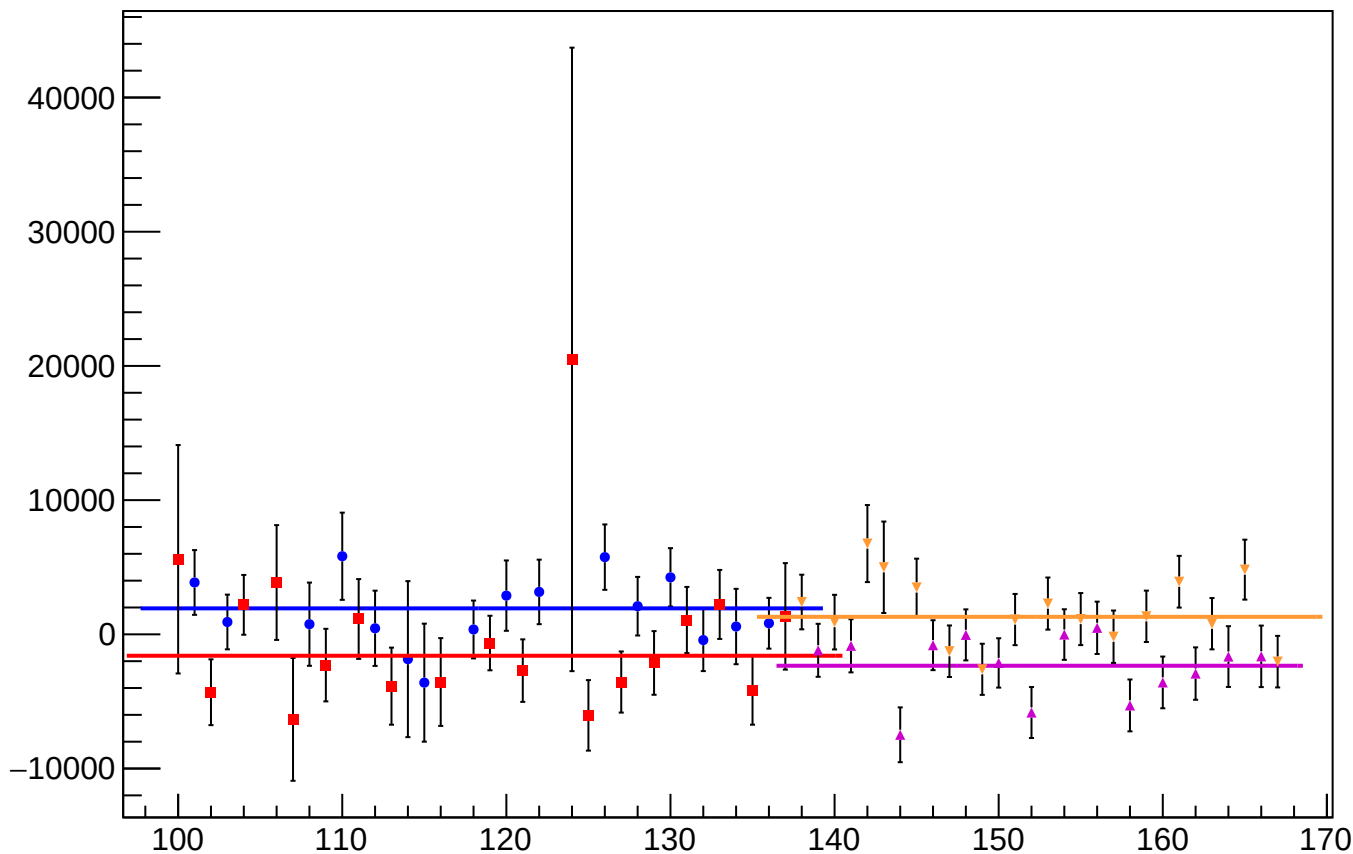
- sign -630.848 $\pm$ 414.164 χ^2 /NDF: 25.9/32

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410	χ^2/NDF : 8223017.6/15	+ sign 1102.130+/-0.286	χ^2/NDF : 24441609.0/31
Left Out: 1186.050+/-0.400	χ^2/NDF : 16128389.8/15	All: 1059.896+/-0.205	χ^2/NDF : 49419067.8/6
Right Out: 689.055+/-0.304	χ^2/NDF : 8910364.4/18	- sign 1015.670+/-0.293	χ^2/NDF : 24932875.4/32
Left In: 5045.306+/-1.070	χ^2/NDF : 676723.7/13		

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871 ± 627.874 χ^2/NDF : 10.9/15

Left Out: 1304.159 ± 512.371 χ^2/NDF : 20.4/15

Right Out: -1595.521 ± 642.212 χ^2/NDF : 19.4/18

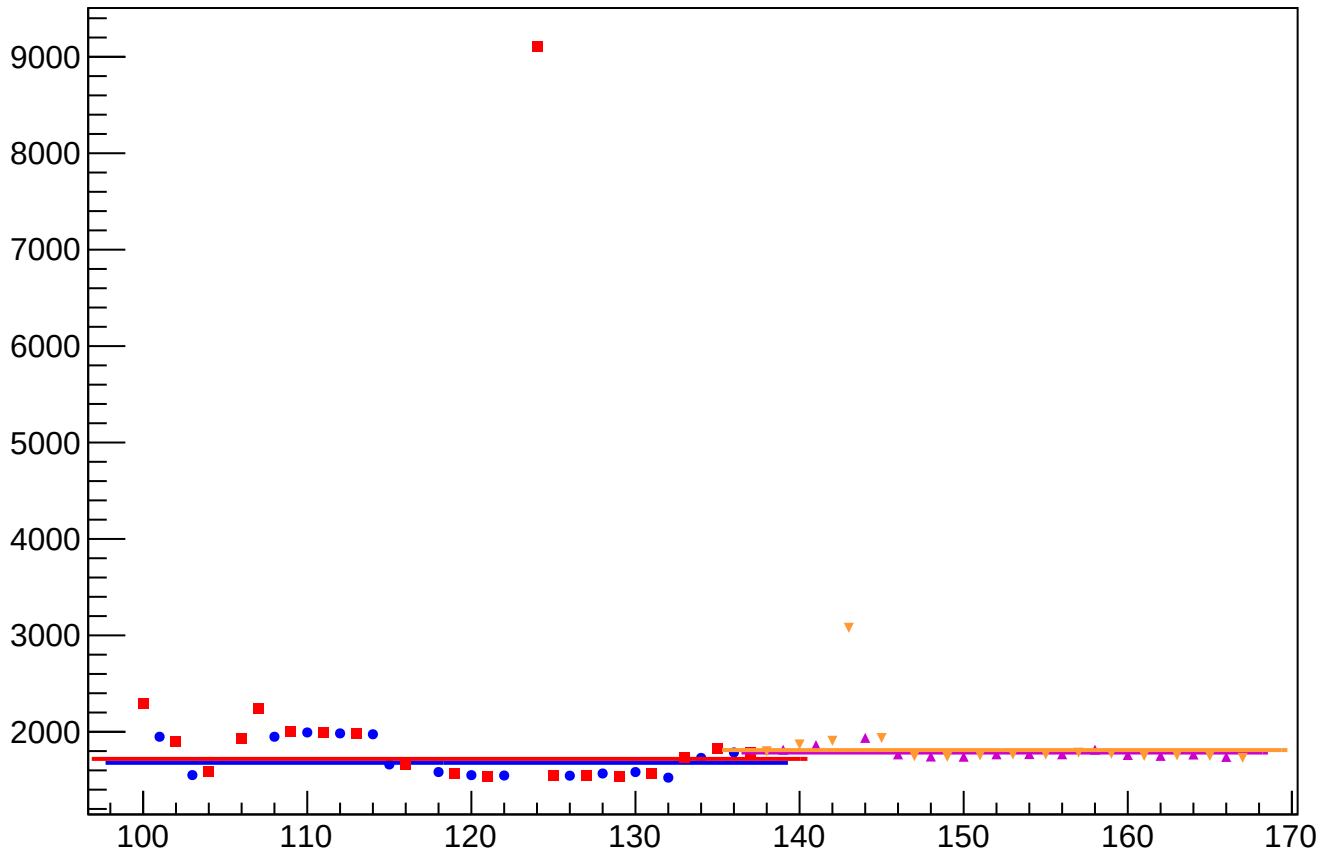
Left In: -2341.122 ± 525.533 χ^2/NDF : 19.4/13

+ sign 1556.274 ± 396.969 χ^2/NDF : 31.9/31

All: -199.285 ± 284.082 χ^2/NDF : 111.6/64

- sign -2042.084 ± 406.713 χ^2/NDF : 39.6/32

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF : 306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

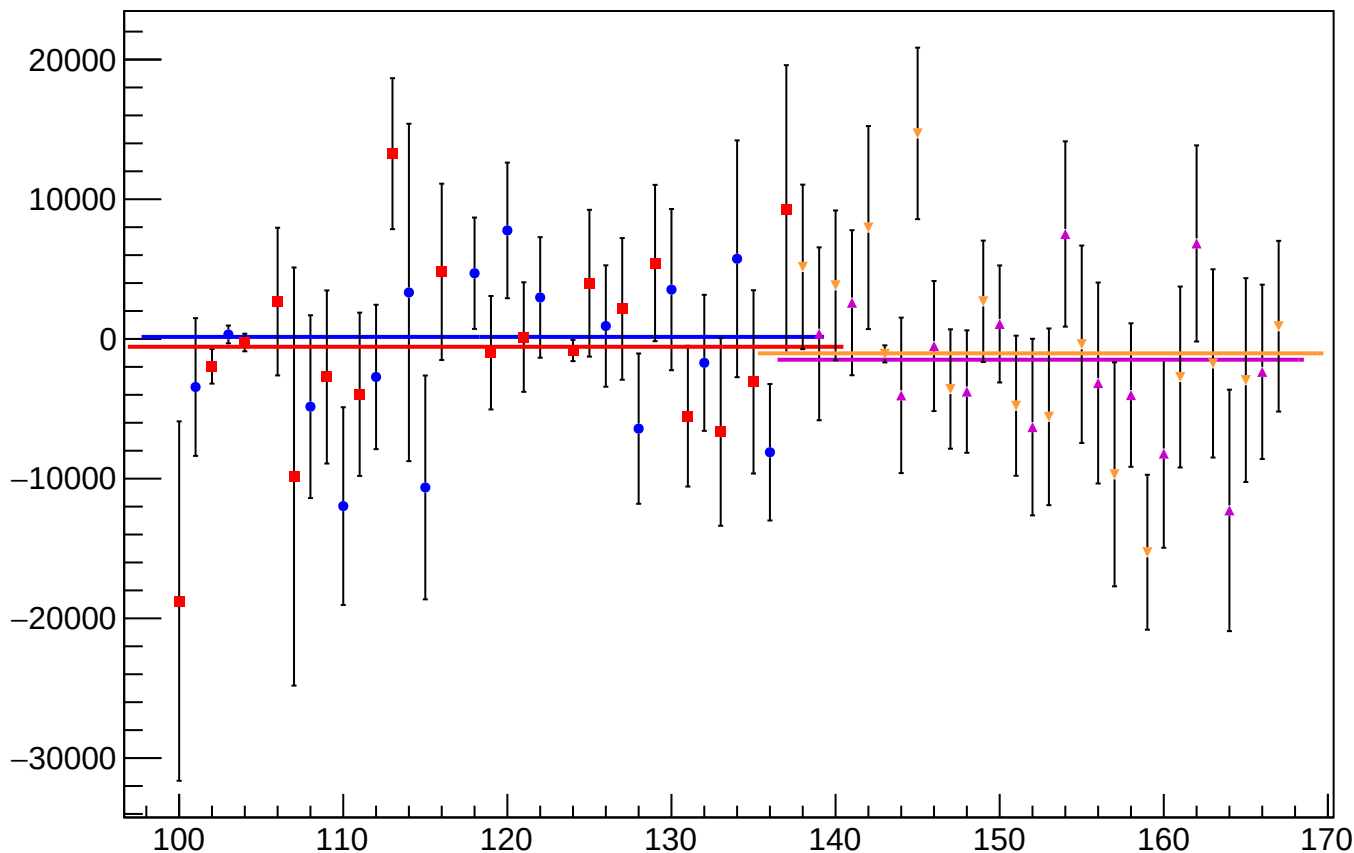
Left In: 1784.953+/-0.372 χ^2/NDF : 19647.6/13

+ sign 1757.694+/-0.281 χ^2/NDF : 500807.5/31

All: 1758.052+/-0.201 χ^2/NDF : 918022.1/64

- sign 1758.425+/-0.287 χ^2/NDF : 417211.3/32

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2/NDF : 15.8/15

Left Out: -1029.867 $\pm$ 565.649 χ^2/NDF : 20.2/15

Right Out: -561.454 $\pm$ 430.621 χ^2/NDF : 17.2/18

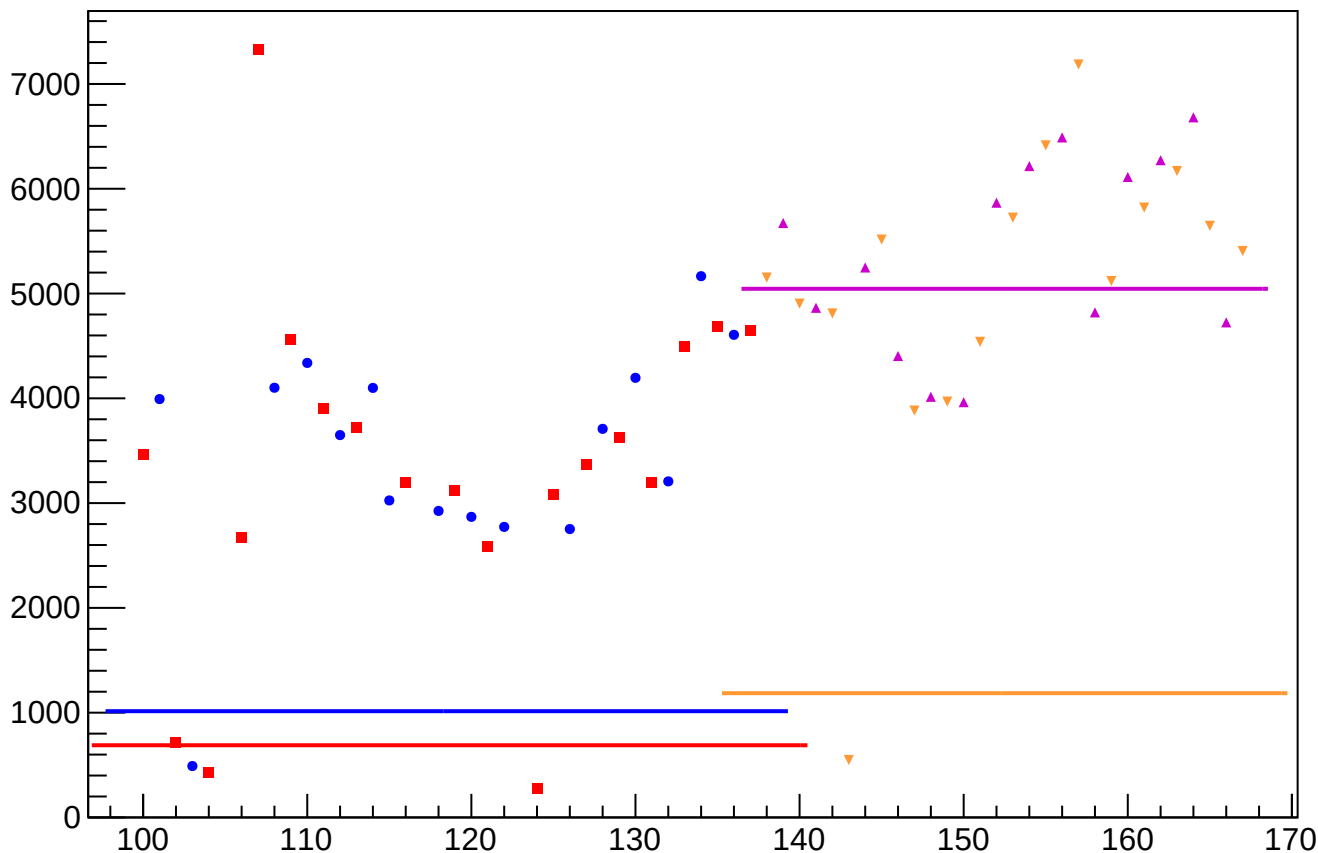
Left In: -1486.994 $\pm$ 1512.550 χ^2/NDF : 8.3/13

+ sign -455.740 $\pm$ 404.734 χ^2/NDF : 38.1/31

All: -541.278 $\pm$ 289.466 χ^2/NDF : 64.1/64

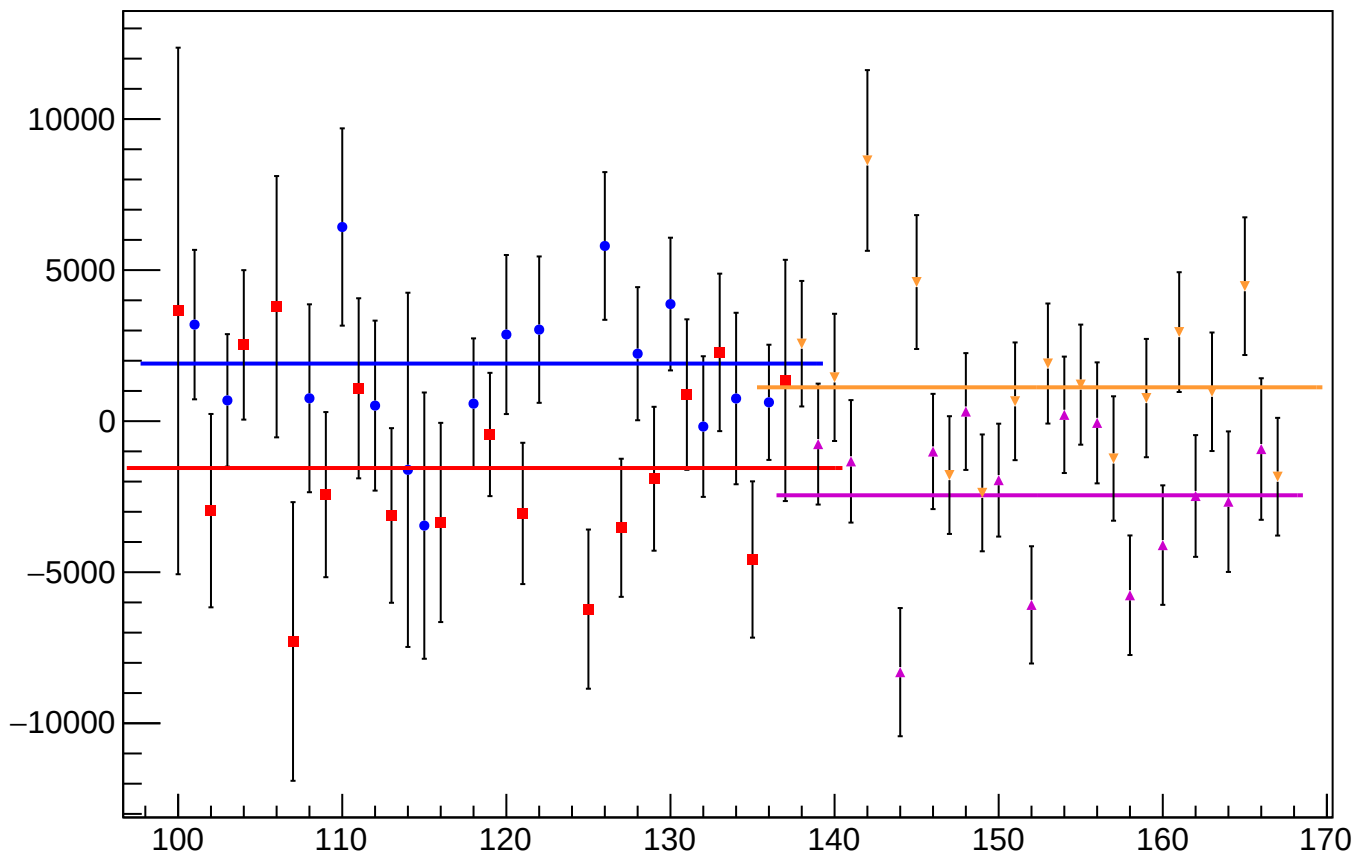
- sign -630.848 $\pm$ 414.164 χ^2/NDF : 25.9/32

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410	χ^2/NDF : 8223017.6/15	+ sign 1102.130+/-0.286	χ^2/NDF : 24441609.0/31
Left Out: 1186.050+/-0.400	χ^2/NDF : 16128389.8/15	All: 1059.896+/-0.205	χ^2/NDF : 49419067.8/6
Right Out: 689.055+/-0.304	χ^2/NDF : 8910364.4/18	- sign 1015.670+/-0.293	χ^2/NDF : 24932875.4/32
Left In: 5045.306+/-1.070	χ^2/NDF : 676723.7/13		

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF : 10.2/15

Left Out: 1120.683+/-531.478 χ^2/NDF : 21.6/14

Right Out: -1550.986+/-661.054 χ^2/NDF : 17.5/17

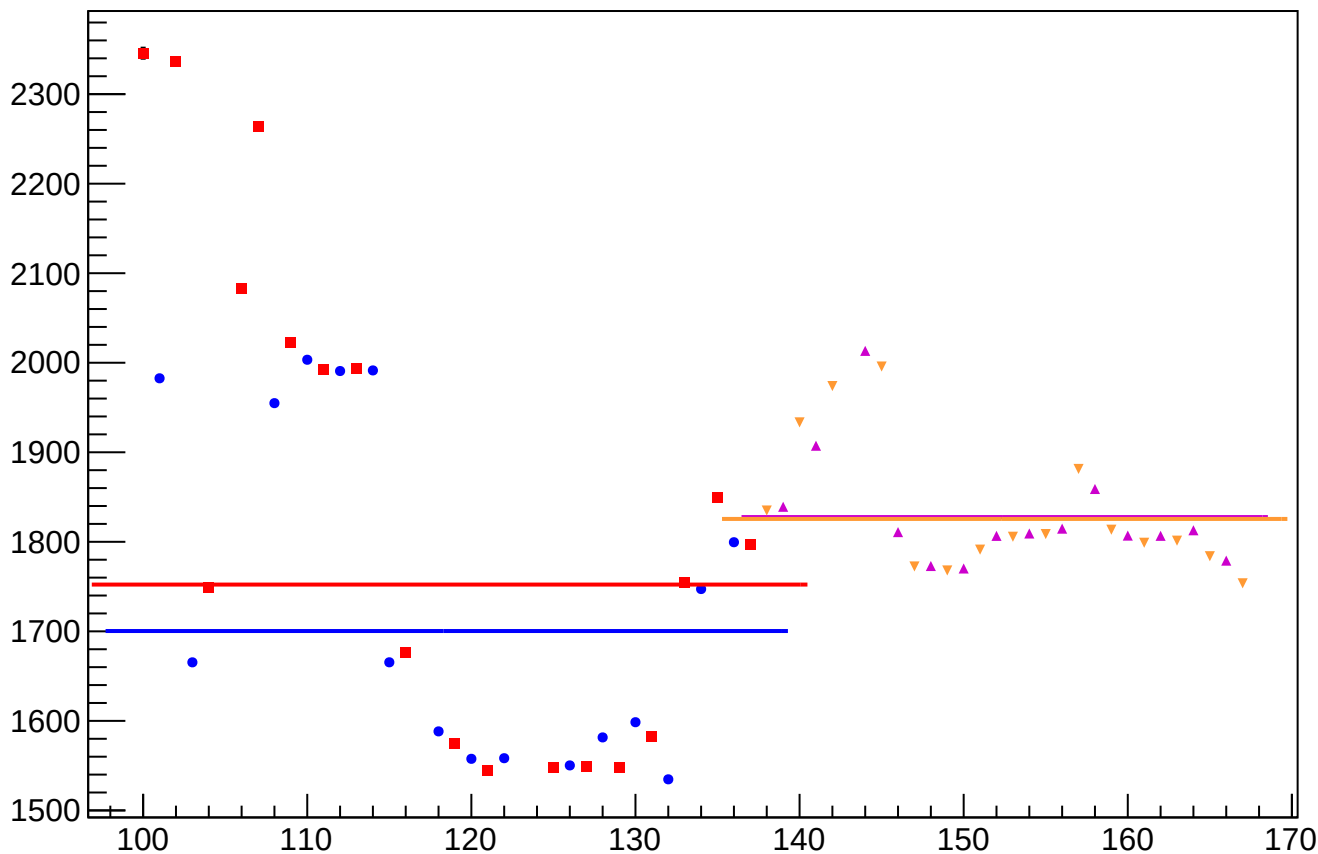
Left In: -2453.486+/-538.196 χ^2/NDF : 22.1/13

+ sign 1443.418+/-407.941 χ^2/NDF : 32.8/30

All: -284.773+/-291.732 χ^2/NDF : 110.2/62

- sign -2093.733+/-417.365 χ^2/NDF : 40.7/31

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF : 135419.2/15

Left Out: 1825.553+/-0.376 χ^2/NDF : 31838.3/14

Right Out: 1752.239+/-0.466 χ^2/NDF : 247952.8/17

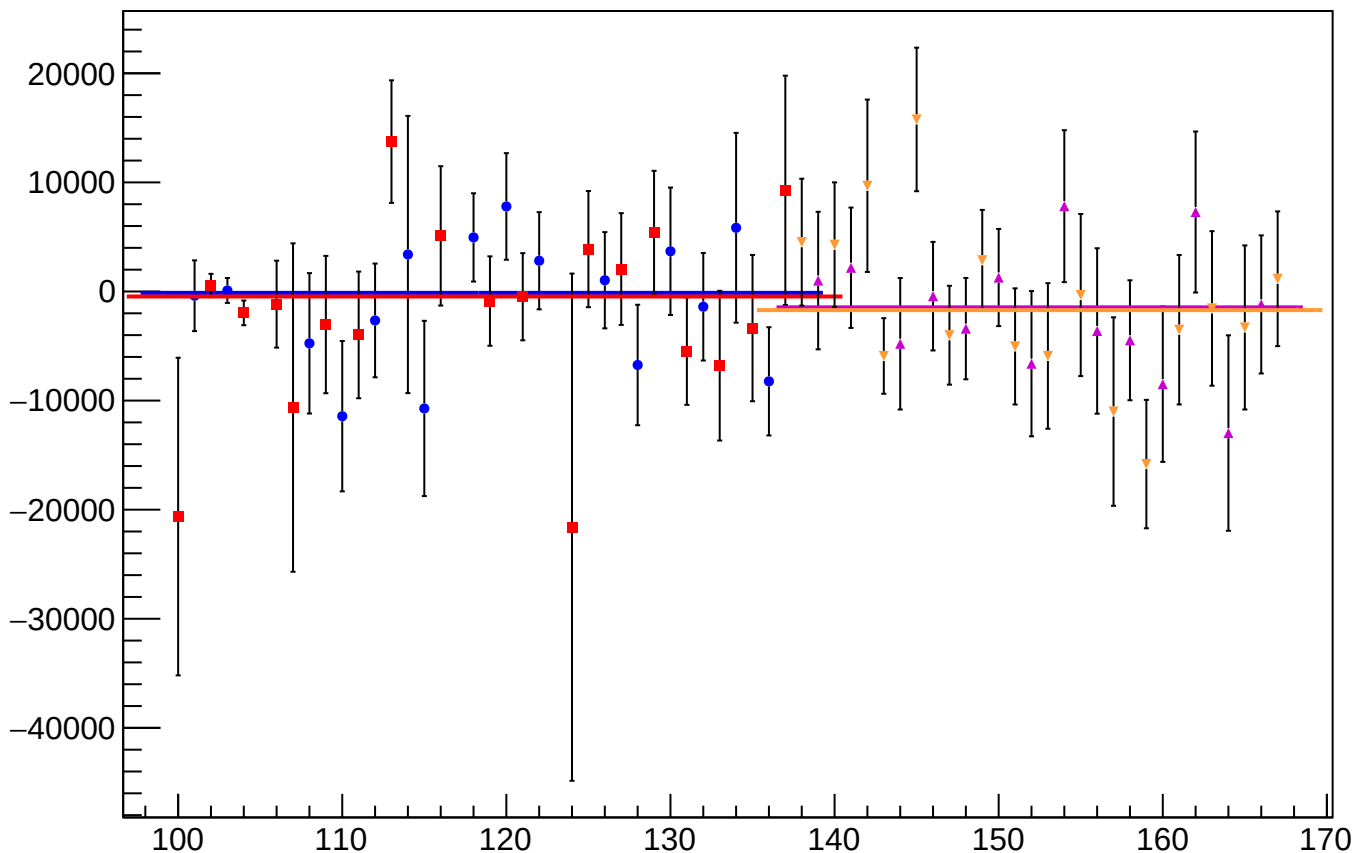
Left In: 1827.656+/-0.381 χ^2/NDF : 24484.3/13

+ sign 1774.115+/-0.288 χ^2/NDF : 212853.2/30

All: 1785.557+/-0.206 χ^2/NDF : 504205.0/62

- sign 1797.511+/-0.295 χ^2/NDF : 288134.8/31

asym_atl_avg_dit_correction_mean vs Slug



Right In: -125.468 $\pm$ 867.645 χ^2 /NDF: 15.1/15

Left Out: -1709.271 $\pm$ 1441.050 χ^2 /NDF:22.2/15

Right Out: -459.431 $\pm$ 679.157 χ^2 /NDF: 18.5/18

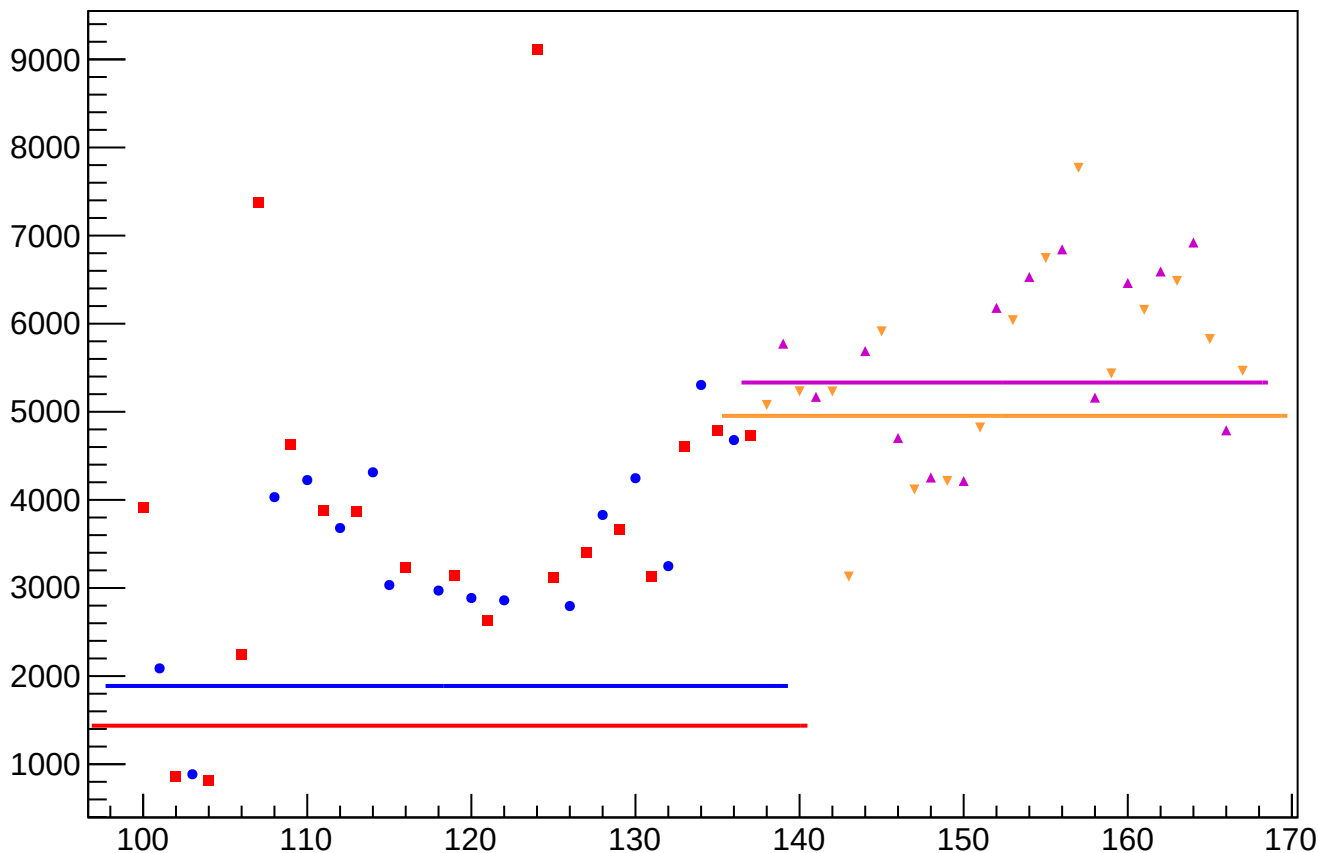
Left In: -1453.744 $\pm$ 1597.550 χ^2 /NDF:8.3/13

+ sign -546.859 $\pm$ 743.313 χ^2 /NDF: 38.1/31

All: -584.801 $\pm$ 478.379 χ^2 /NDF: 65.2/64

- sign -611.627 $\pm$ 625.021 χ^2 /NDF: 27.1/32

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF : 4425691.6/15

Left Out: 4954.043+/-1.019 χ^2/NDF :1316489.5/15

Right Out: 1437.108+/-0.480 χ^2/NDF : 5964193.5/18

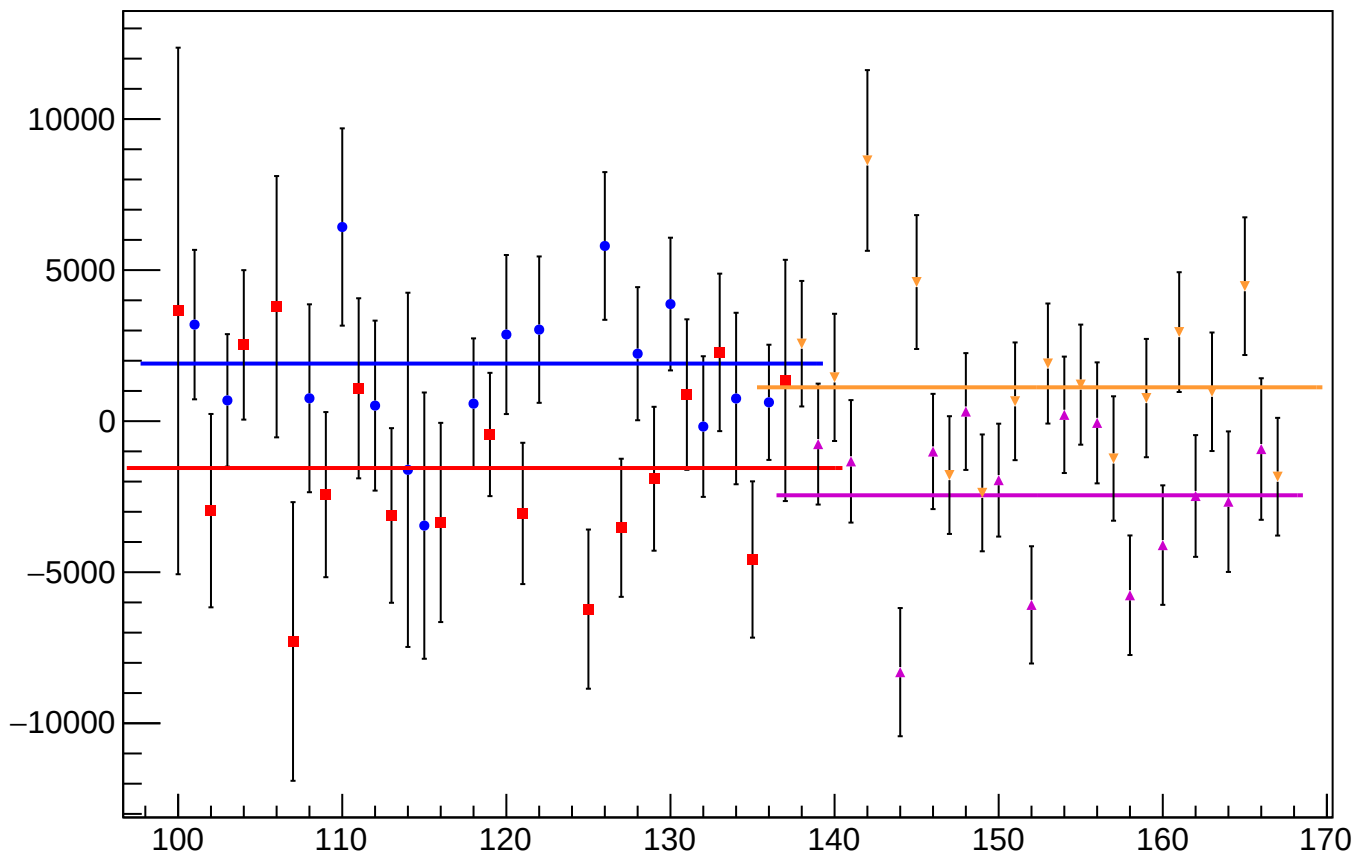
Left In: 5332.199+/-1.130 χ^2/NDF :643654.2/13

+ sign 2703.760+/-0.526 χ^2/NDF : 12387065.3/31

All: 2311.009+/-0.338 χ^2/NDF : 30017522.8/6

- sign 2033.317+/-0.442 χ^2/NDF : 16677295.4/32

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203 ± 636.433 $\chi^2/\text{NDF}: 10.2/15$

Left Out: 1120.679 ± 531.479 $\chi^2/\text{NDF}: 21.6/14$

Right Out: -1550.983 ± 661.054 $\chi^2/\text{NDF}: 17.5/17$

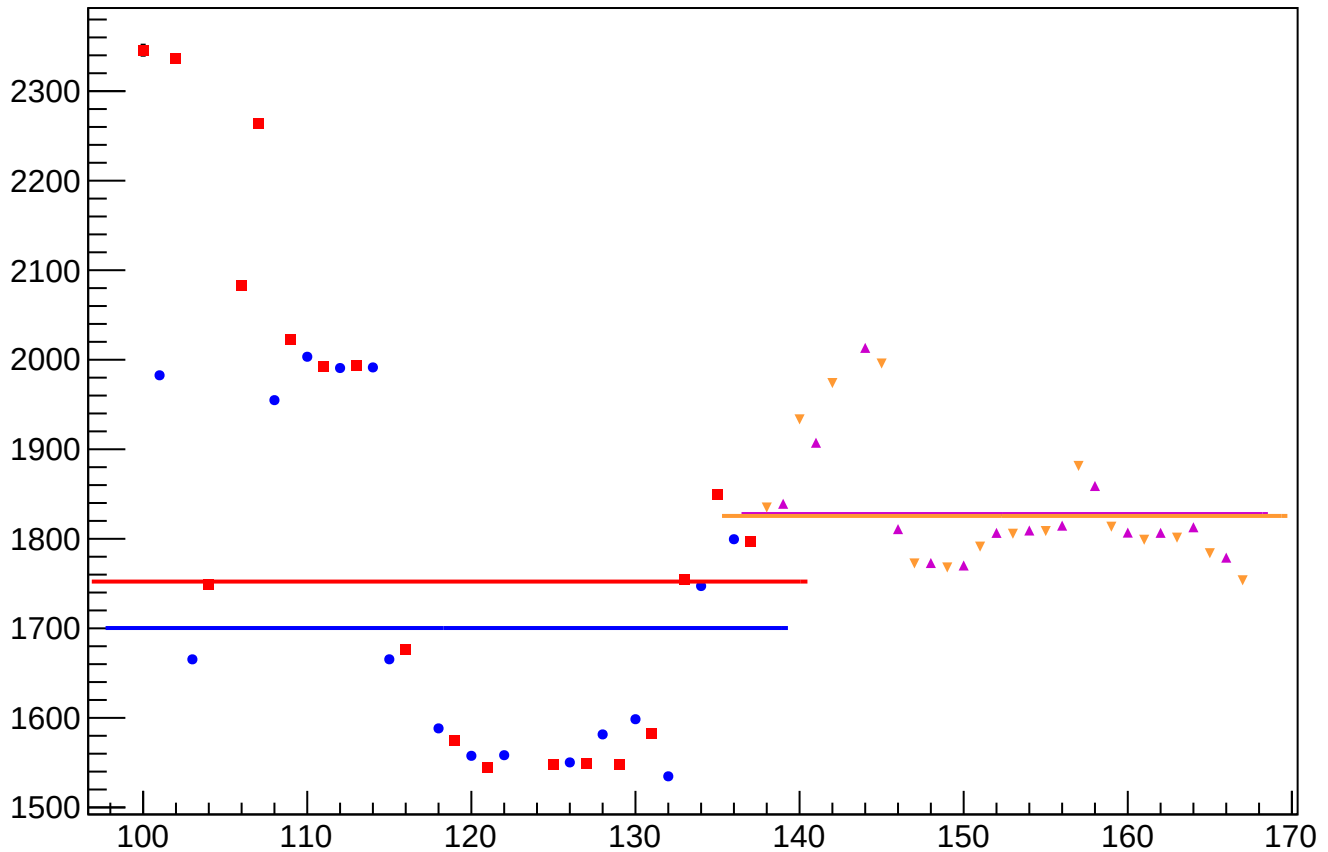
Left In: -2453.488 ± 538.196 $\chi^2/\text{NDF}: 22.1/13$

+ sign 1443.415 ± 407.941 $\chi^2/\text{NDF}: 32.8/30$

All: -284.774 ± 291.732 $\chi^2/\text{NDF}: 110.2/62$

- sign -2093.733 ± 417.365 $\chi^2/\text{NDF}: 40.7/31$

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357 $\pm$ 0.450 χ^2 /NDF: 135419.5/15

Left Out: 1825.554 $\pm$ 0.376 χ^2 /NDF: 31838.8/14

Right Out: 1752.238 $\pm$ 0.466 χ^2 /NDF: 247952.3/17

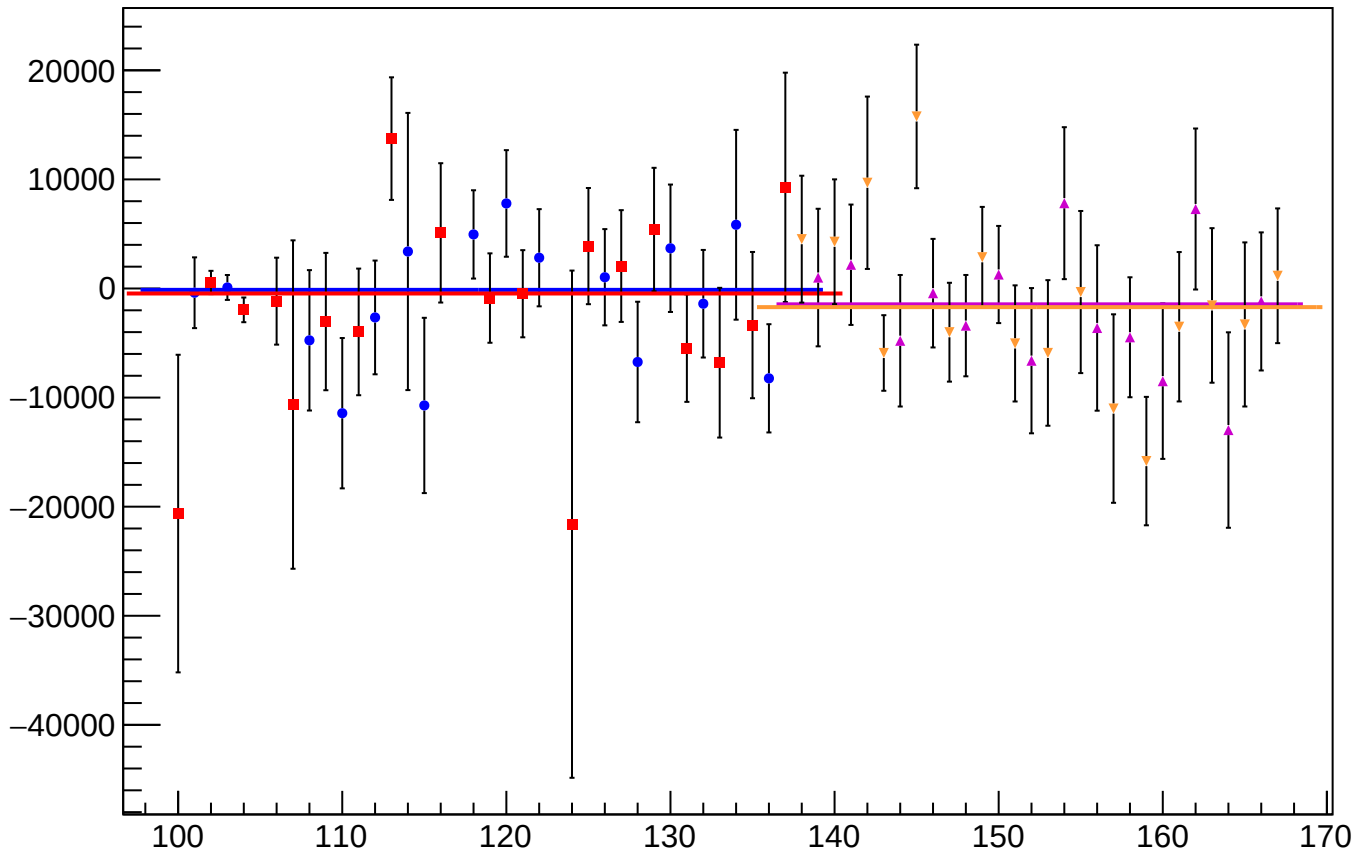
Left In: 1827.657 $\pm$ 0.381 χ^2 /NDF: 24484.6/13

+ sign 1774.116 $\pm$ 0.288 χ^2 /NDF: 212855.1/30

All: 1785.557 $\pm$ 0.206 χ^2 /NDF: 504207.4/62

- sign 1797.511 $\pm$ 0.295 χ^2 /NDF: 288135.4/31

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464 ± 867.639 χ^2/NDF : 15.1/15

Left Out: -1709.278 ± 1441.052 χ^2/NDF : 22.2/15

Right Out: -459.430 ± 679.152 χ^2/NDF : 18.5/18

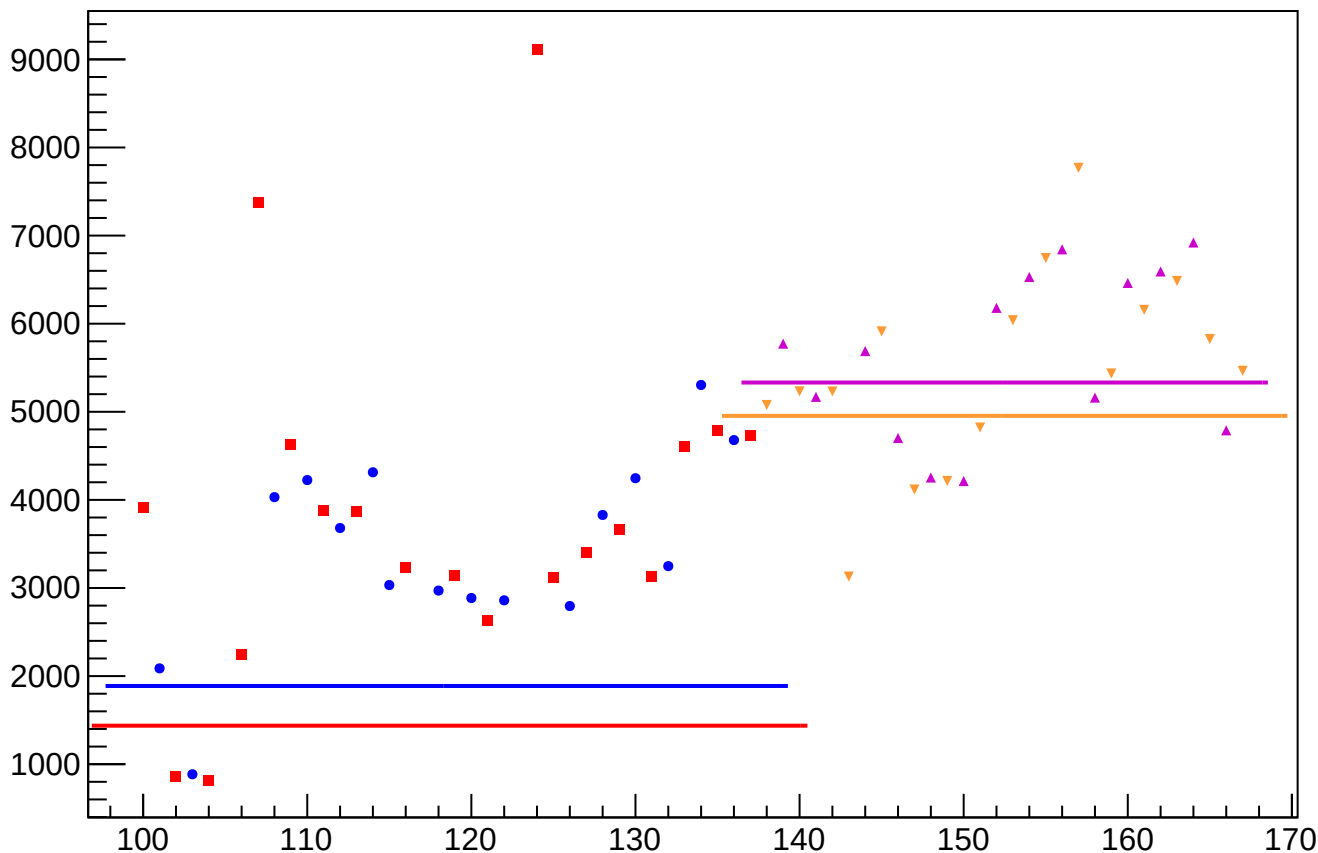
Left In: -1453.744 ± 1597.552 χ^2/NDF : 8.3/13

+ sign -546.853 ± 743.309 χ^2/NDF : 38.1/31

All: -584.796 ± 478.377 χ^2/NDF : 65.2/64

- sign -611.624 ± 625.017 χ^2/NDF : 27.1/32

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF : 4425728.6/15

Left Out: 4954.049+/-1.019 χ^2/NDF :1316497.4/15

Right Out: 1437.095+/-0.480 χ^2/NDF : 5964228.2/18

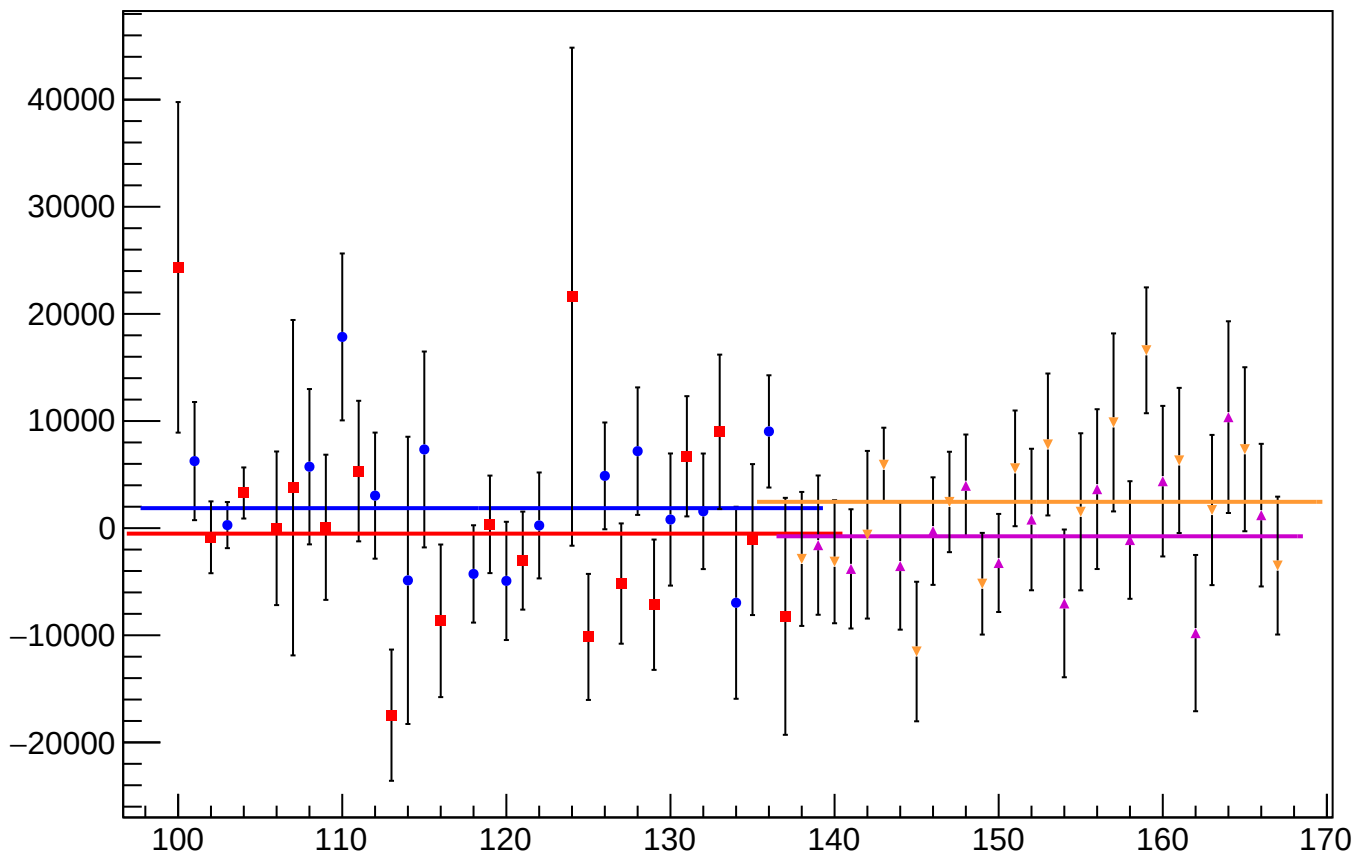
Left In: 5332.206+/-1.130 χ^2/NDF :643657.6/13

+ sign 2703.740+/-0.526 χ^2/NDF : 12387215.2/31

All: 2310.989+/-0.338 χ^2/NDF : 30017824.1/6

- sign 2033.297+/-0.442 χ^2/NDF : 16677438.8/32

asym_atl_avg_mean vs Slug



Right In: 1866.618 $\pm$ 1259.187 χ^2 /NDF: 13.8/15

Left Out: 2457.421 $\pm$ 1456.335 χ^2 /NDF:19.2/15

Right Out: -512.528 $\pm$ 1241.513 χ^2 /NDF: 24.7/18

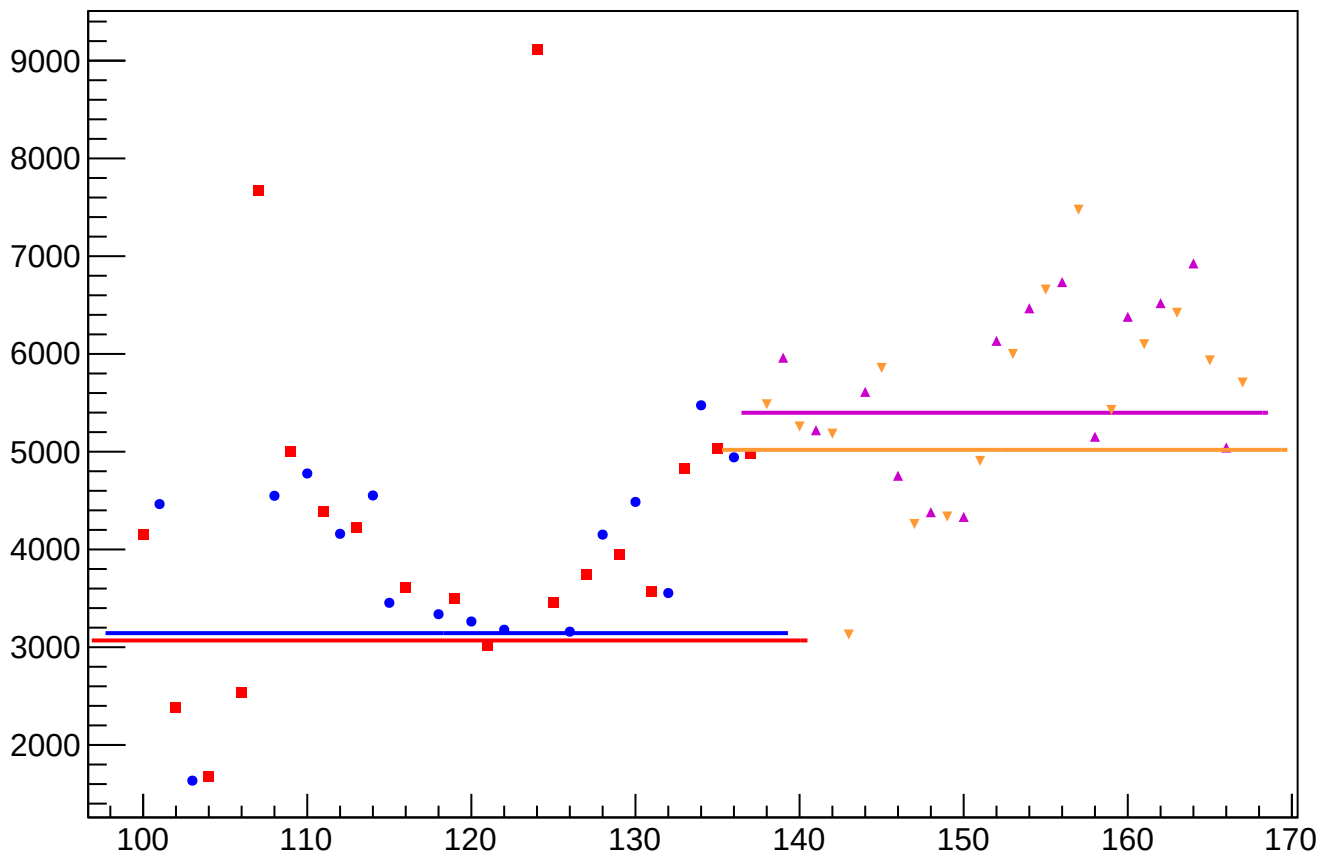
Left In: -759.893 $\pm$ 1612.466 χ^2 /NDF:6.7/13

+ sign 2119.352 $\pm$ 952.515 χ^2 /NDF: 33.1/31

All: 801.258 $\pm$ 684.293 χ^2 /NDF: 68.5/64

- sign -604.593 $\pm$ 983.713 χ^2 /NDF: 31.4/32

asym_atl_avg_rms vs Slug



Right In: 3144.136 ± 0.890 χ^2/NDF : 1883139.2/15

Left Out: 5018.955 ± 1.030 χ^2/NDF : 1248554.6/15

Right Out: 3069.098 ± 0.864 χ^2/NDF : 1881644.6/18

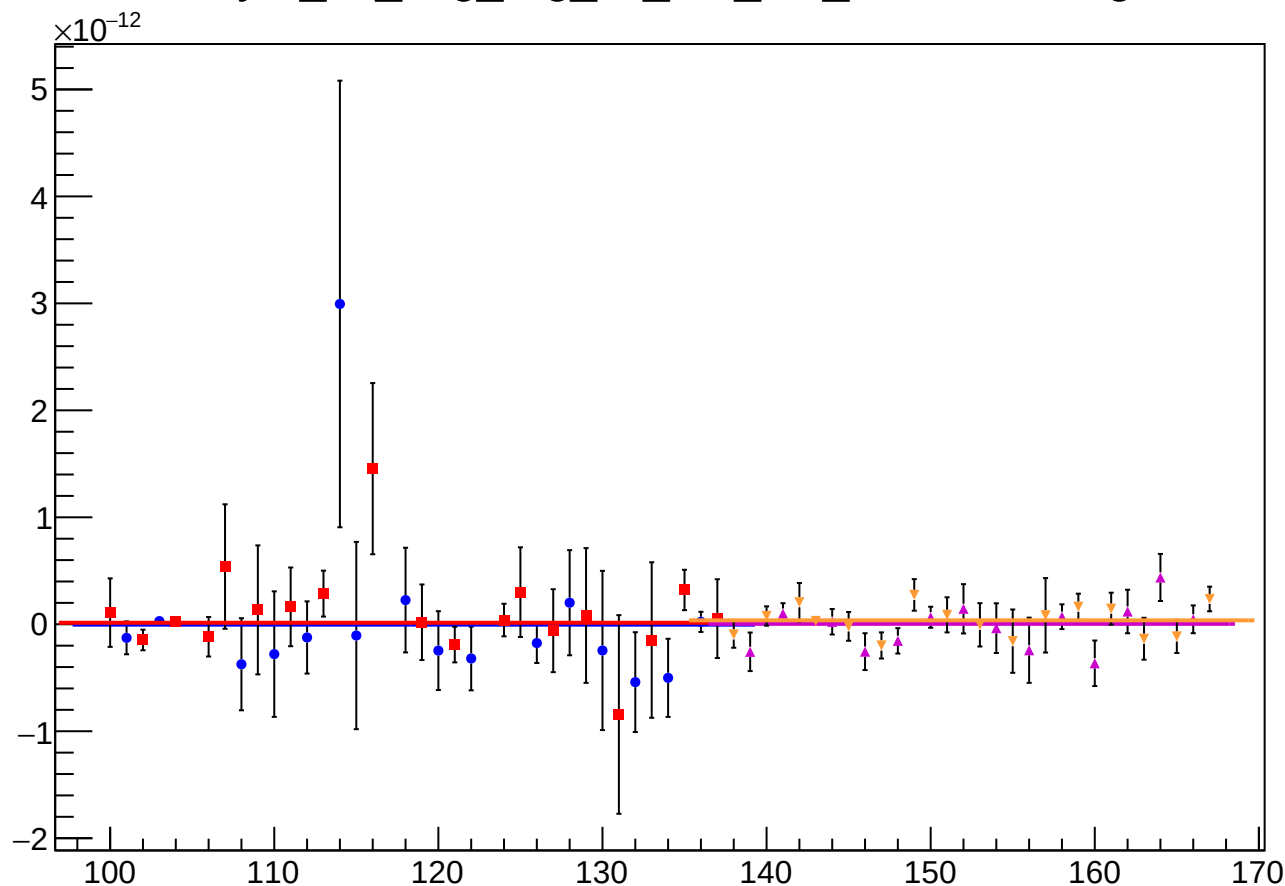
Left In: 5398.358 ± 1.140 χ^2/NDF : 542821.2/13

+ sign 3946.145 ± 0.674 χ^2/NDF : 5028355.1/31

All: 3932.867 ± 0.482 χ^2/NDF : 10104222.7/6

- sign 3918.983 ± 0.689 χ^2/NDF : 5075072.5/32

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 : 15.7/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.9/18

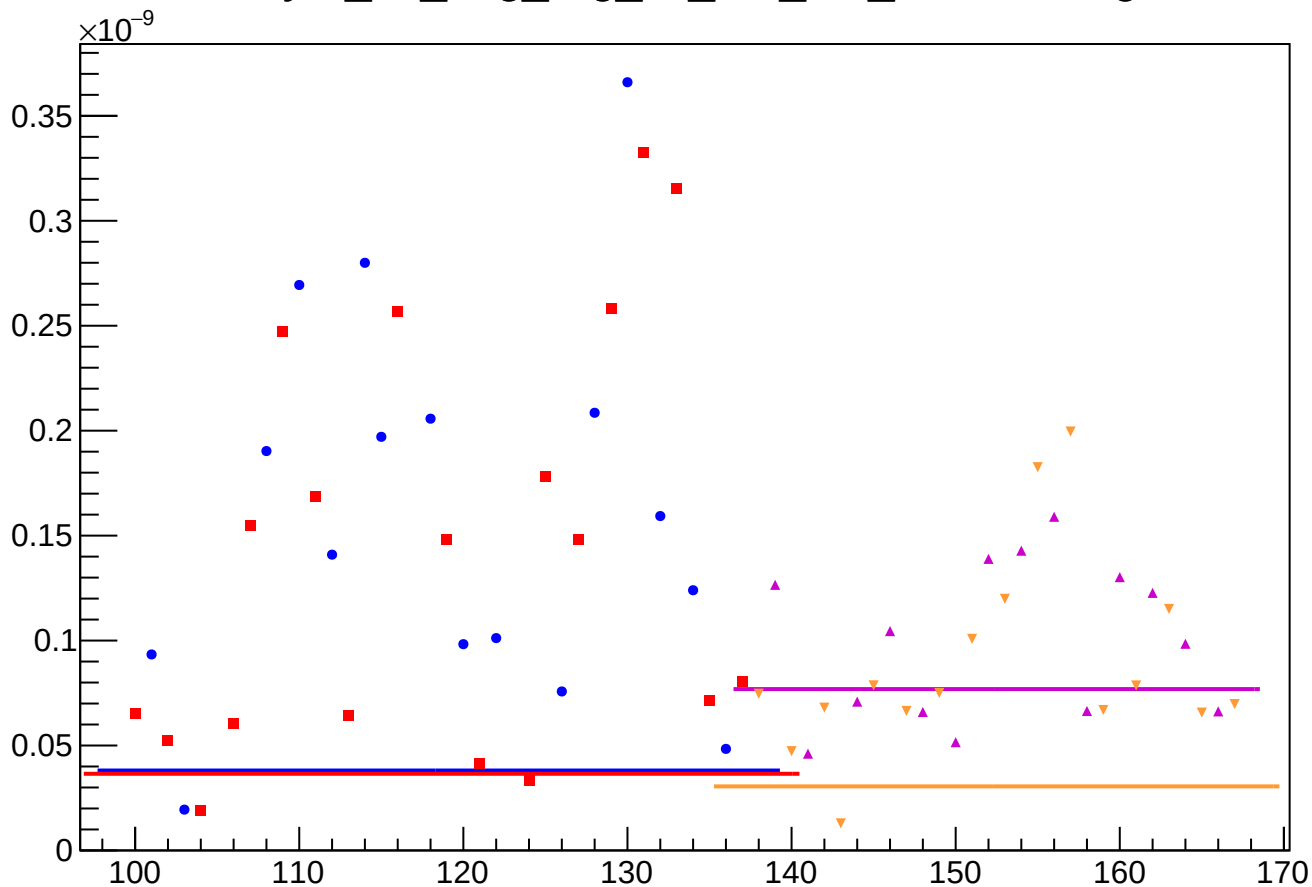
Left In: 0.000 ± 0.000 χ^2/NDF : 16.3/13

+ sign 0.000 ± 0.000 χ^2/NDF : 27.4/31

All: 0.000 ± 0.000 χ^2/NDF : 58.9/64

- sign 0.000 ± 0.000 χ^2/NDF : 31.2/32

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 : 5007176.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2683451.3/18

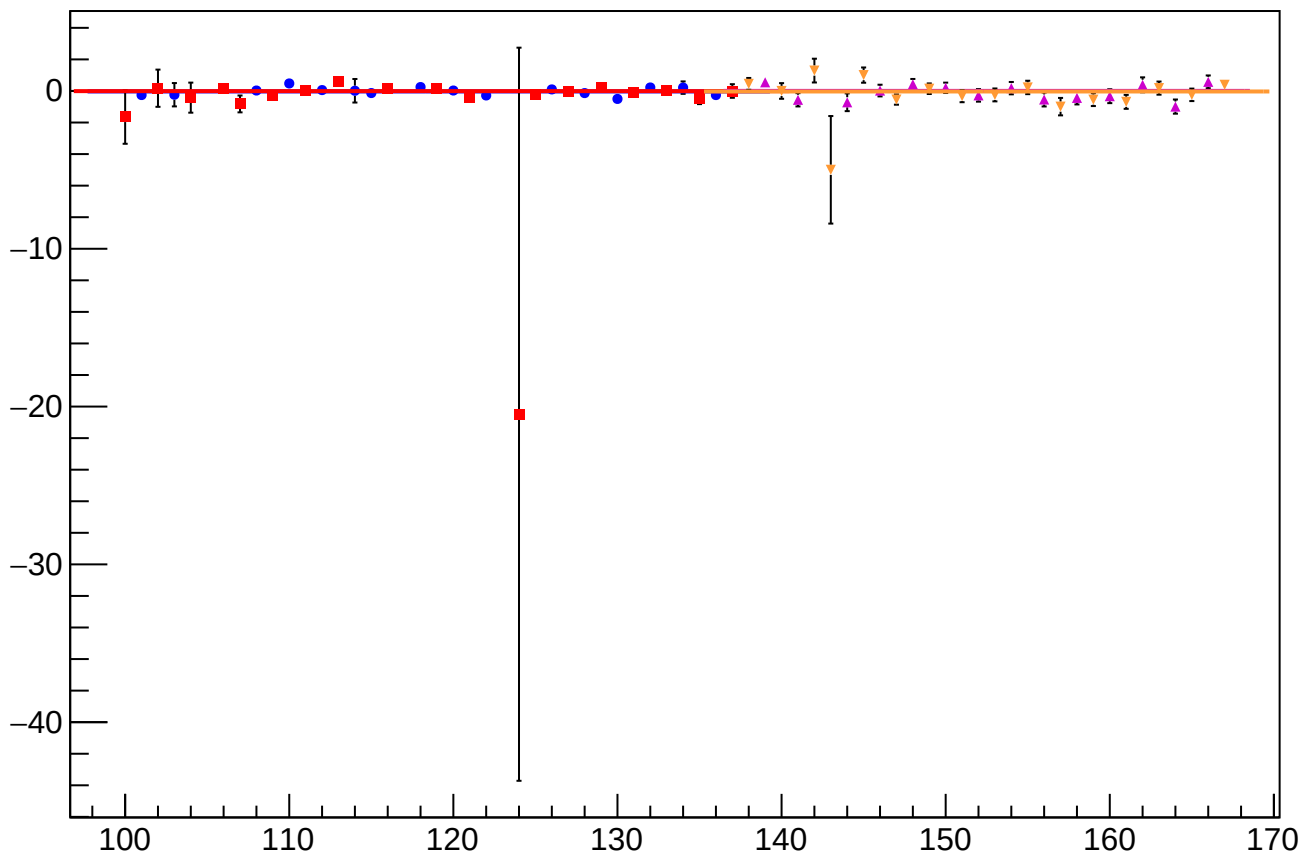
Left In: 0.000+/-0.000 χ^2/NDF : 1285490.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 7969607.1/31

All: 0.000+/-0.000 χ^2/NDF : 14151611.1/64

- sign 0.000+/-0.000 χ^2/NDF : 5238545.1/32

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: -0.032 ± 0.104 χ^2/NDF : 25.0/15

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

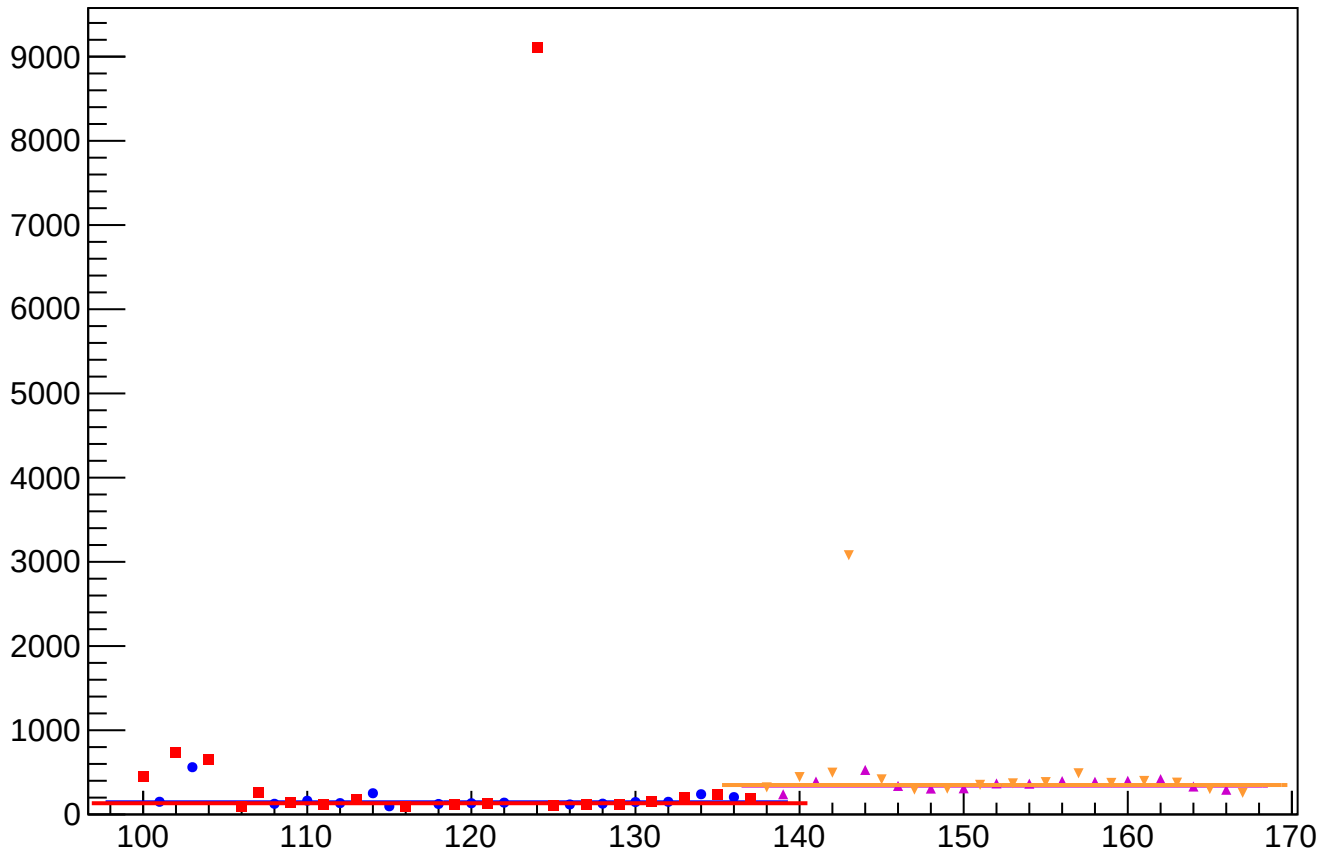
Left In: 0.004 ± 0.104 χ^2/NDF : 20.8/13

+ sign -0.030 ± 0.051 χ^2/NDF : 42.2/31

All: -0.018 ± 0.035 χ^2/NDF : 85.0/64

- sign -0.007 ± 0.050 χ^2/NDF : 42.6/32

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: 349.542 $\pm$ 0.074 χ^2 /NDF: 1986922.8/15

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220645.6/18

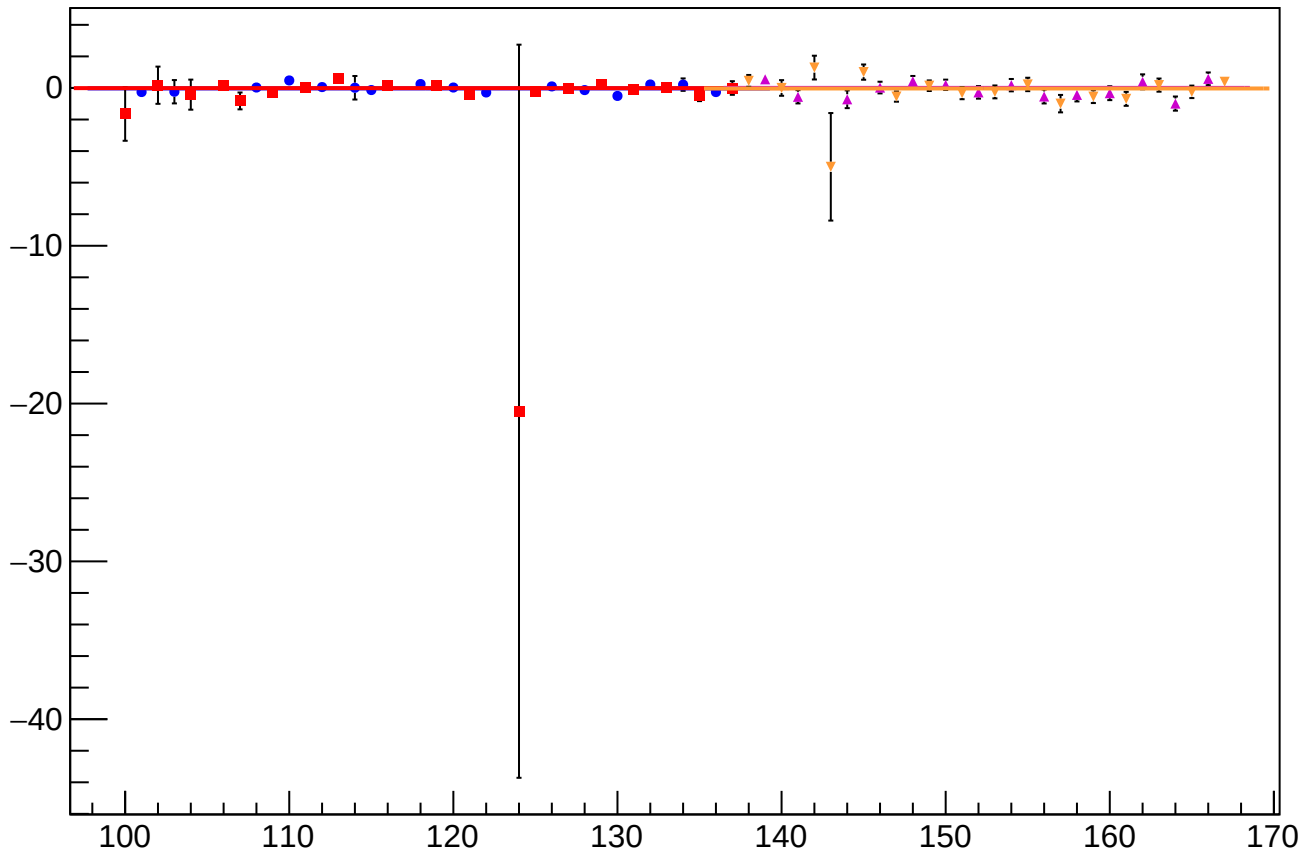
Left In: 342.619 $\pm$ 0.074 χ^2 /NDF: 758794.1/13

+ sign 192.697 $\pm$ 0.036 χ^2 /NDF: 9057960.3/31

All: 186.640 $\pm$ 0.025 χ^2 /NDF: 18326610.9/64

- sign 180.789 $\pm$ 0.035 χ^2 /NDF: 9212204.4/32

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: -0.032 ± 0.104 χ^2/NDF : 25.0/15

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

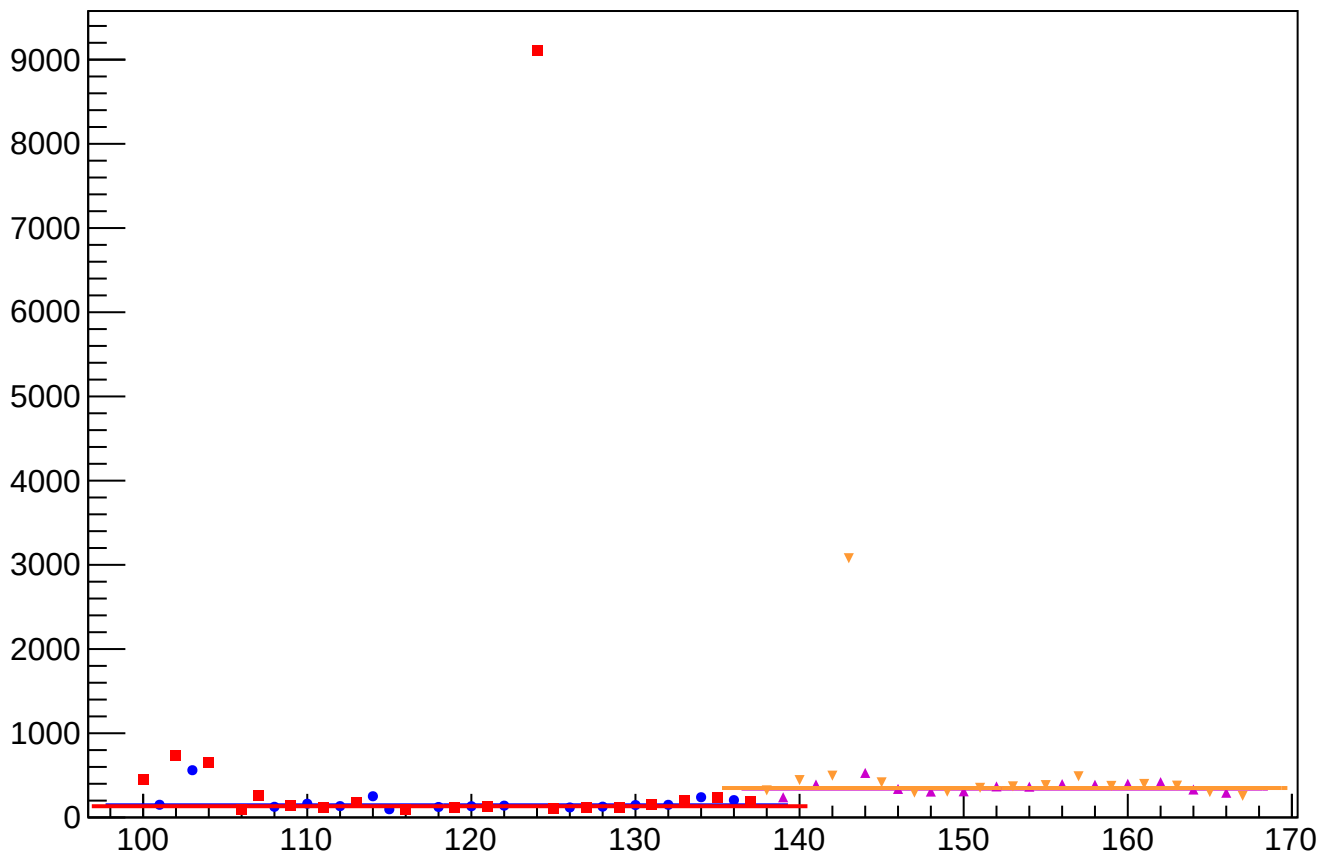
Left In: 0.004 ± 0.104 χ^2/NDF : 20.8/13

+ sign -0.030 ± 0.051 χ^2/NDF : 42.2/31

All: -0.018 ± 0.035 χ^2/NDF : 85.0/64

- sign -0.007 ± 0.050 χ^2/NDF : 42.6/32

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291 $\pm$ 0.041 χ^2 /NDF: 1128779.2/15

Left Out: 349.542 $\pm$ 0.074 χ^2 /NDF:1986922.8/15

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220645.6/18

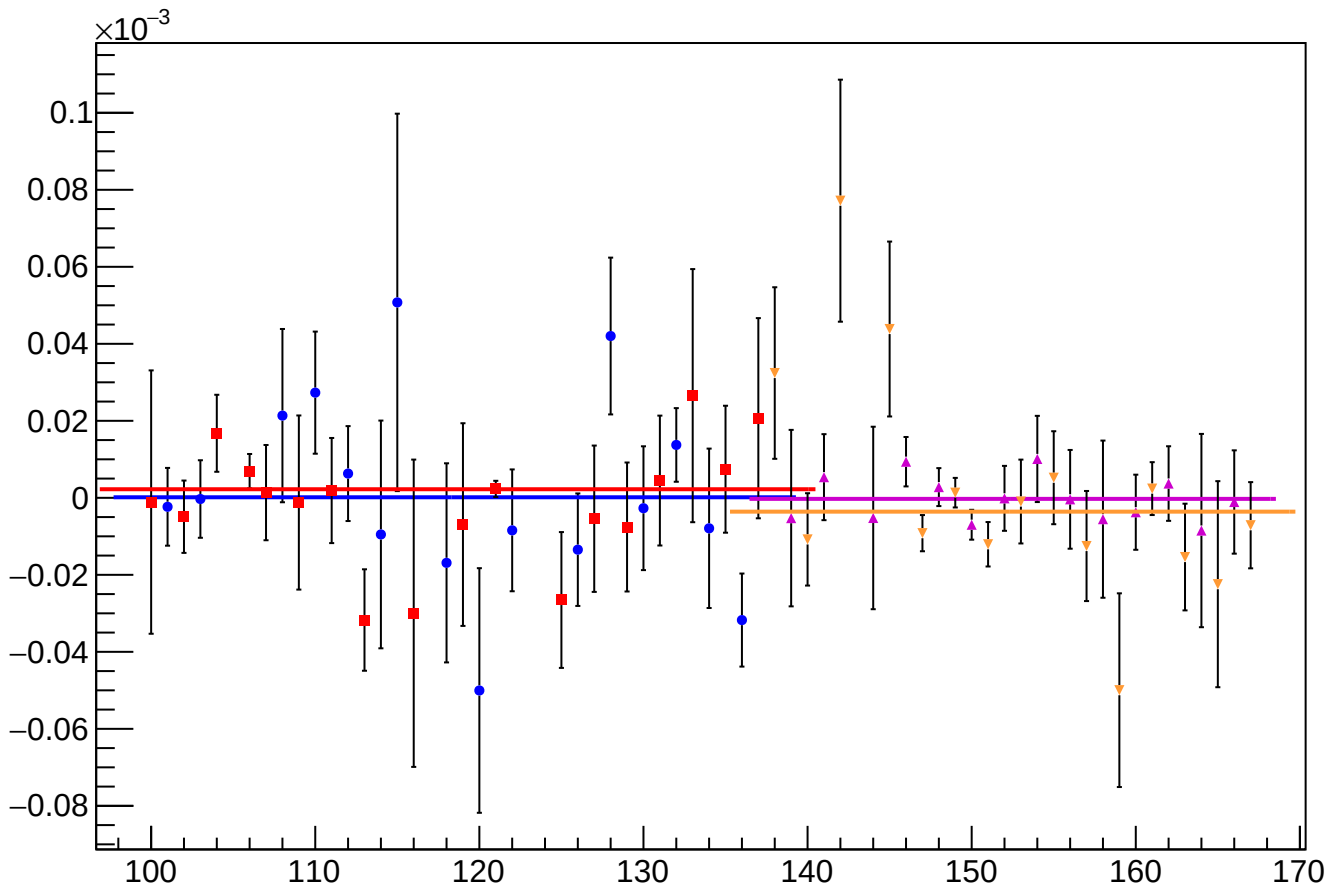
Left In: 342.619 $\pm$ 0.074 χ^2 /NDF:758794.1/13

+ sign 192.697 $\pm$ 0.036 χ^2 /NDF: 9057960.3/31

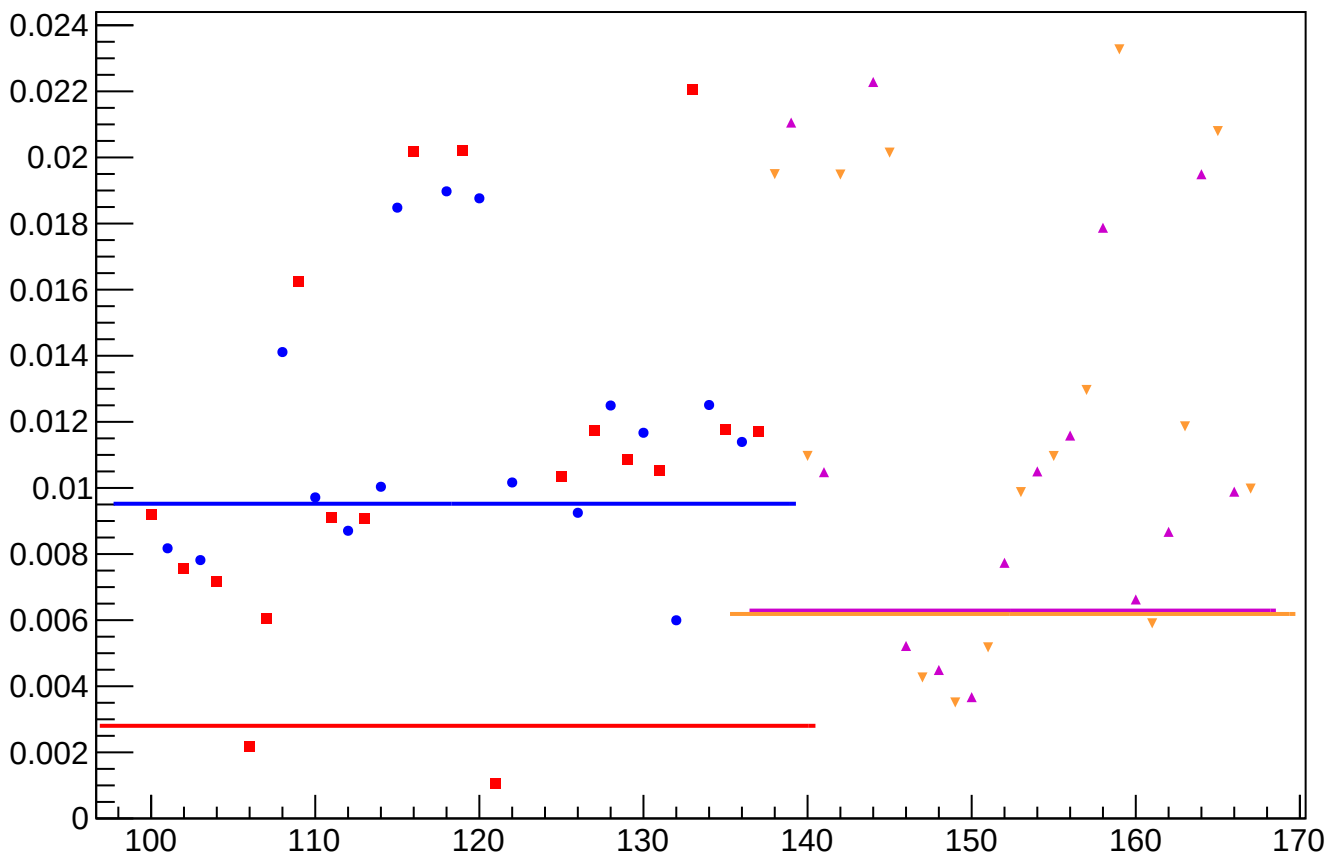
All: 186.640 $\pm$ 0.025 χ^2 /NDF: 18326610.9/64

- sign 180.789 $\pm$ 0.035 χ^2 /NDF: 9212204.4/32

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



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: 0.006 $\pm$ 0.000 χ^2 /NDF: 6591833.0/14

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8568874.3/17

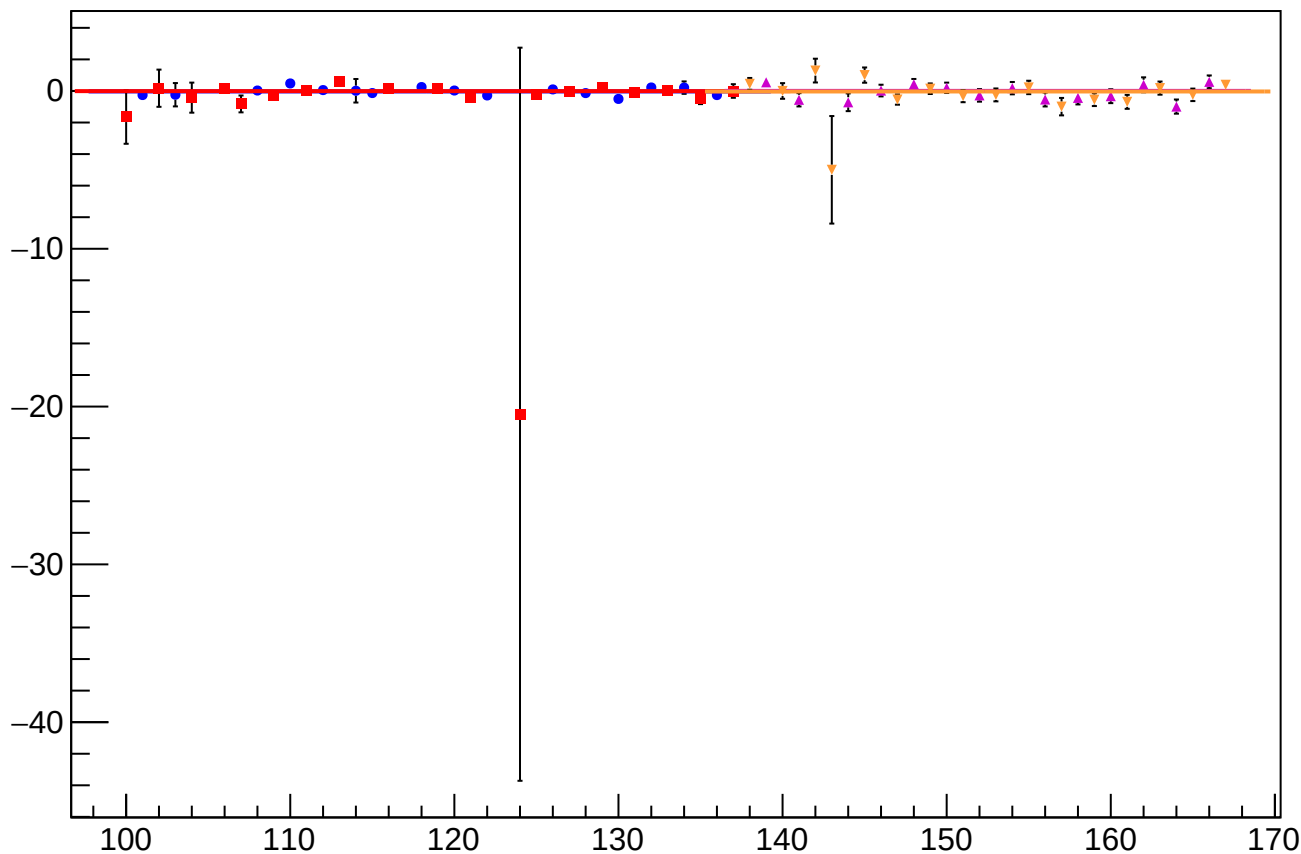
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 5403673.6/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8912724.6/30

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 29129144.8/62

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 17050279.2/31

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: -0.032 ± 0.104 χ^2/NDF : 25.0/15

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

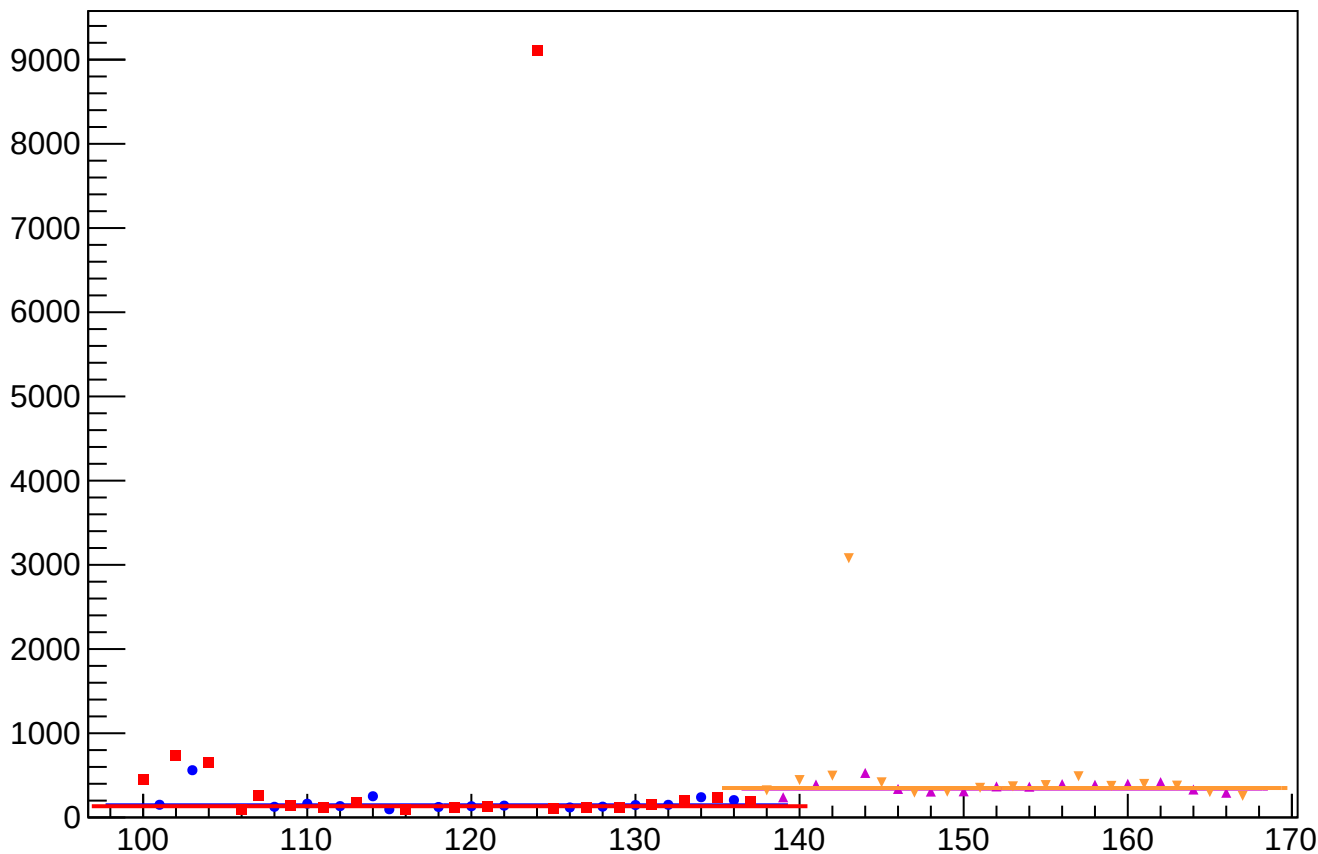
Left In: 0.004 ± 0.104 χ^2/NDF : 20.8/13

+ sign -0.030 ± 0.051 χ^2/NDF : 42.2/31

All: -0.018 ± 0.035 χ^2/NDF : 85.0/64

- sign -0.007 ± 0.050 χ^2/NDF : 42.6/32

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289 $\pm$ 0.041 χ^2 /NDF: 1128804.3/15

Left Out: 349.547 $\pm$ 0.074 χ^2 /NDF: 1986960.5/15

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220606.0/18

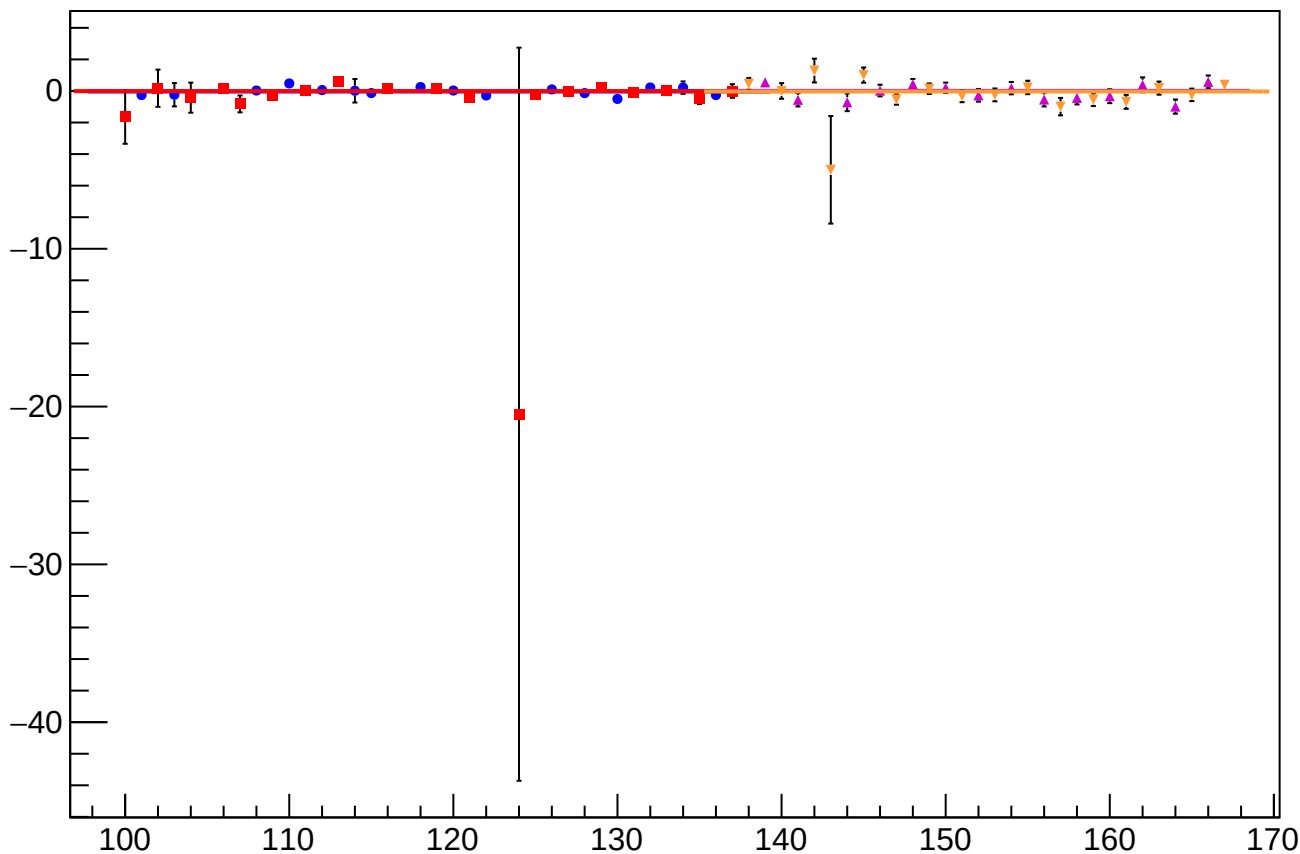
Left In: 342.625 $\pm$ 0.074 χ^2 /NDF: 758792.3/13

+ sign 192.695 $\pm$ 0.036 χ^2 /NDF: 9058272.9/31

All: 186.639 $\pm$ 0.025 χ^2 /NDF: 18327092.5/64

- sign 180.788 $\pm$ 0.035 χ^2 /NDF: 9212380.6/32

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: -0.032 ± 0.104 χ^2/NDF : 25.0/15

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

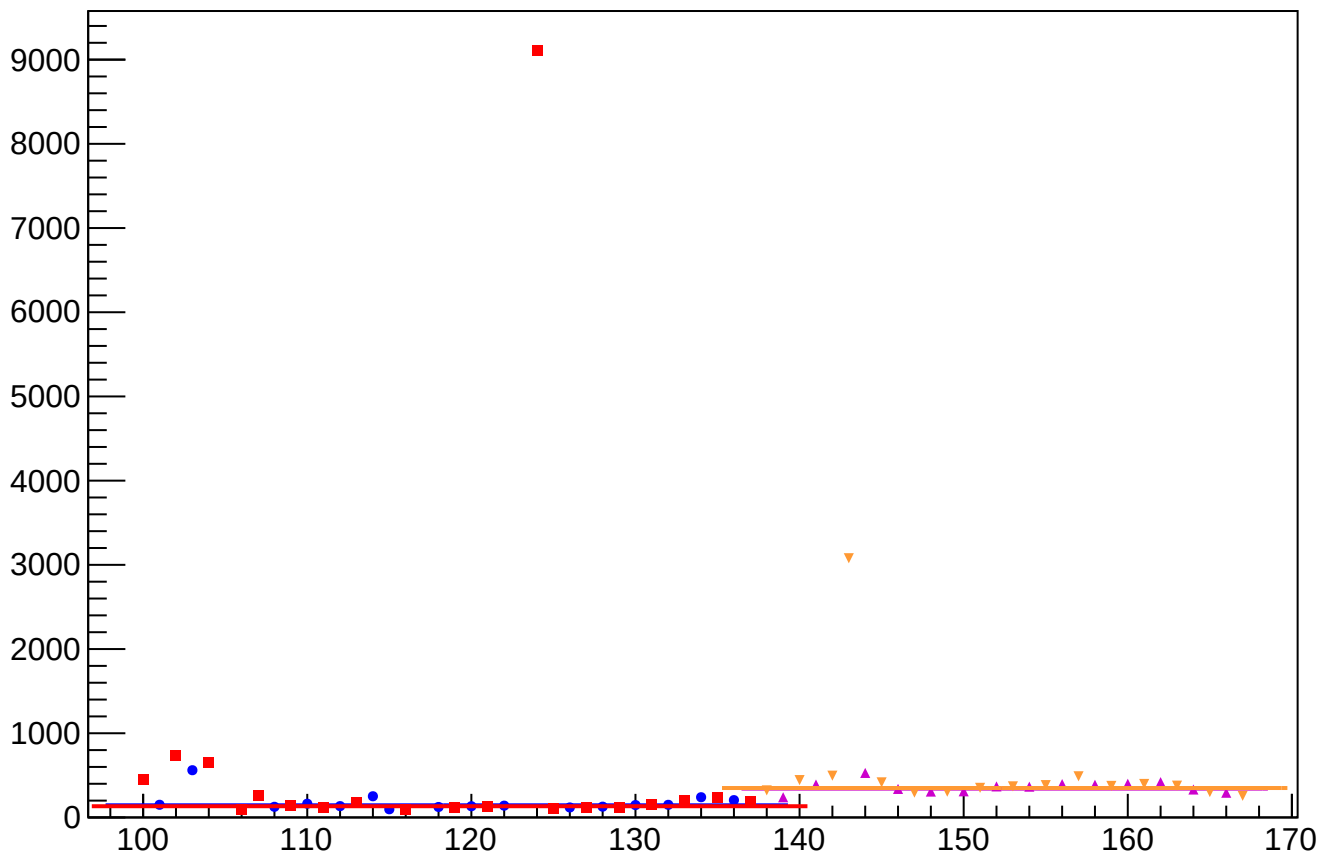
Left In: 0.004 ± 0.104 χ^2/NDF : 20.8/13

+ sign -0.030 ± 0.051 χ^2/NDF : 42.2/31

All: -0.018 ± 0.035 χ^2/NDF : 85.0/64

- sign -0.007 ± 0.050 χ^2/NDF : 42.6/32

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: 349.547 $\pm$ 0.074 χ^2 /NDF: 1986960.5/15

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220606.0/18

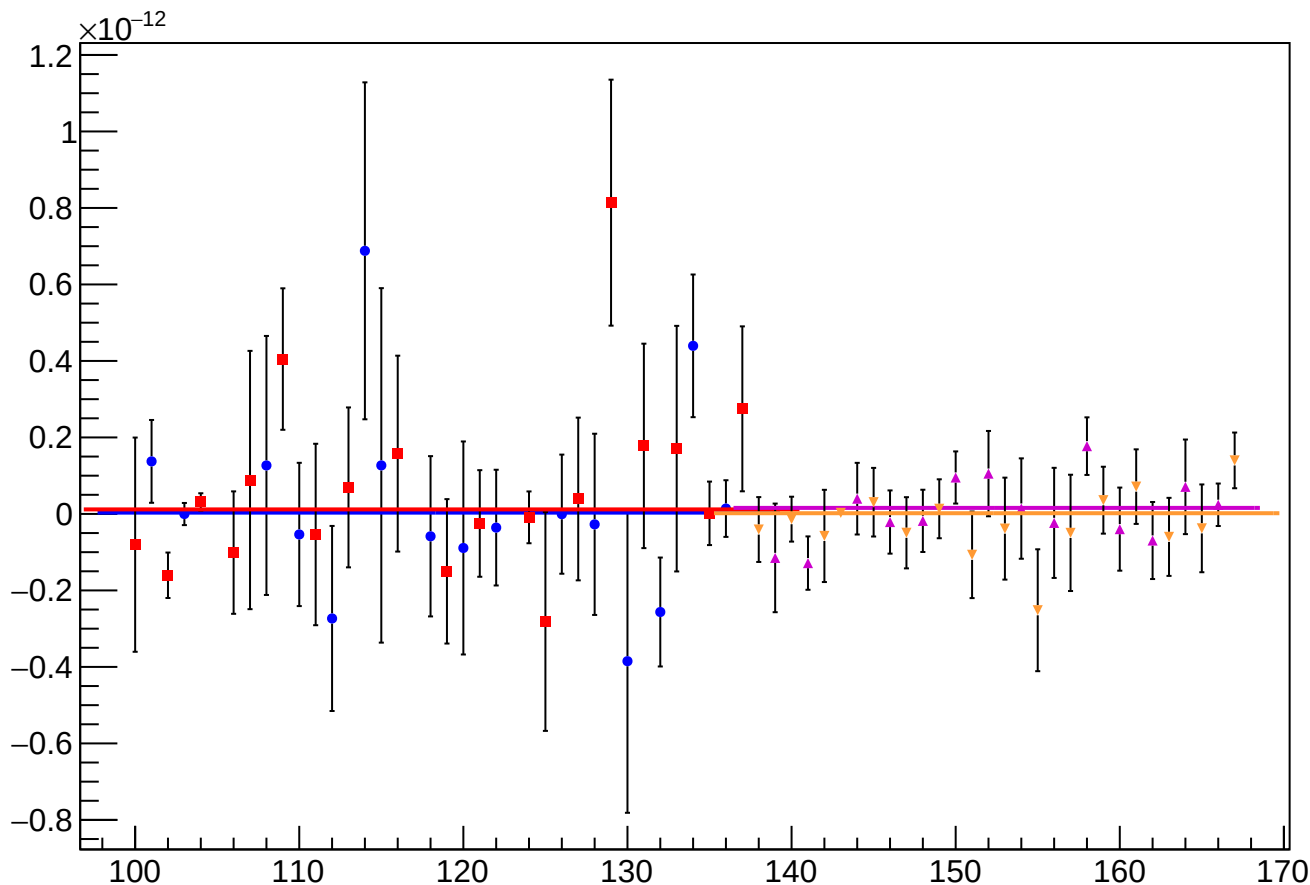
Left In: 342.625 $\pm$ 0.074 χ^2 /NDF: 758792.3/13

+ sign 192.695 $\pm$ 0.036 χ^2 /NDF: 9058272.9/31

All: 186.639 $\pm$ 0.025 χ^2 /NDF: 18327092.5/64

- sign 180.788 $\pm$ 0.035 χ^2 /NDF: 9212380.6/32

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:9.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/18

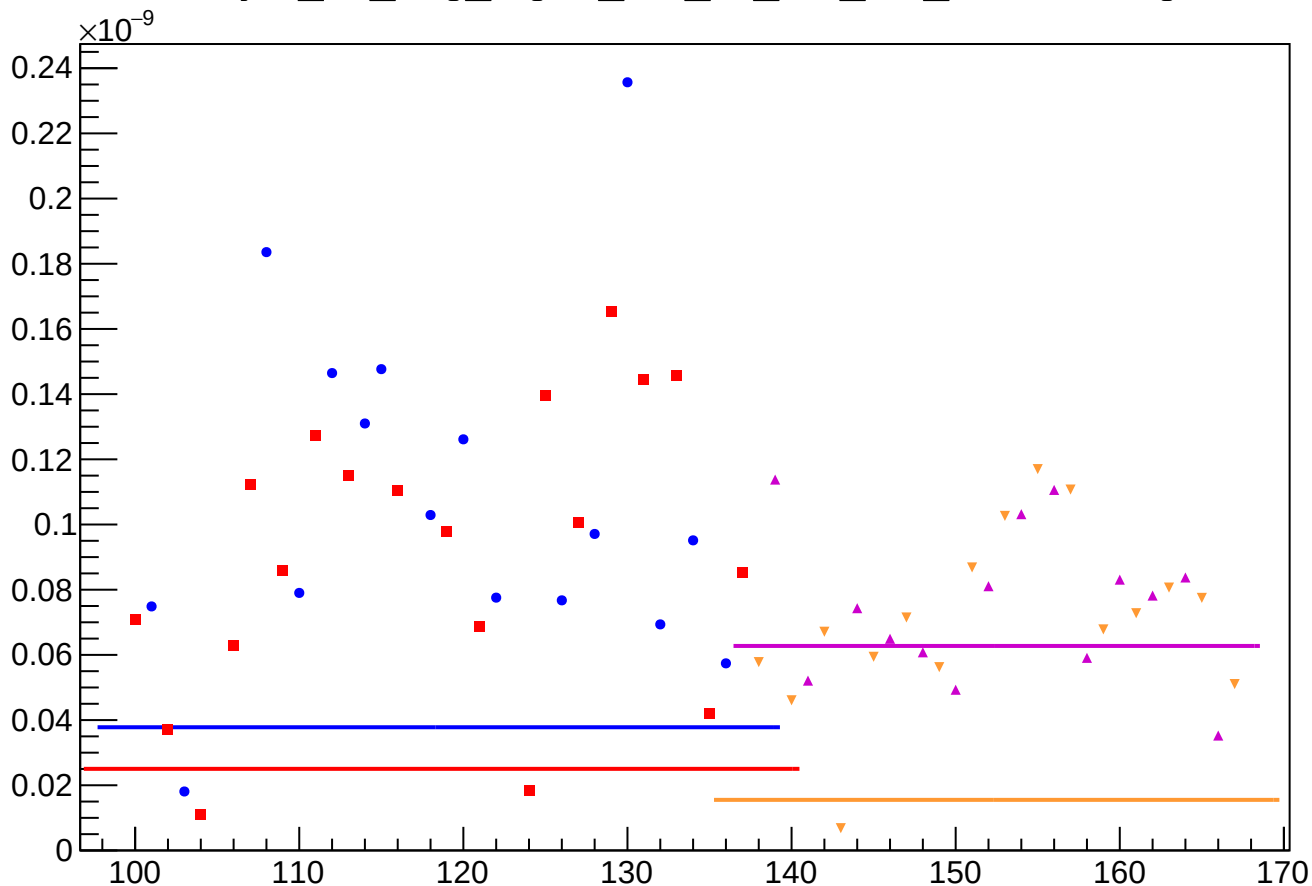
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 64.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/32

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 11184589.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4701757.7/18

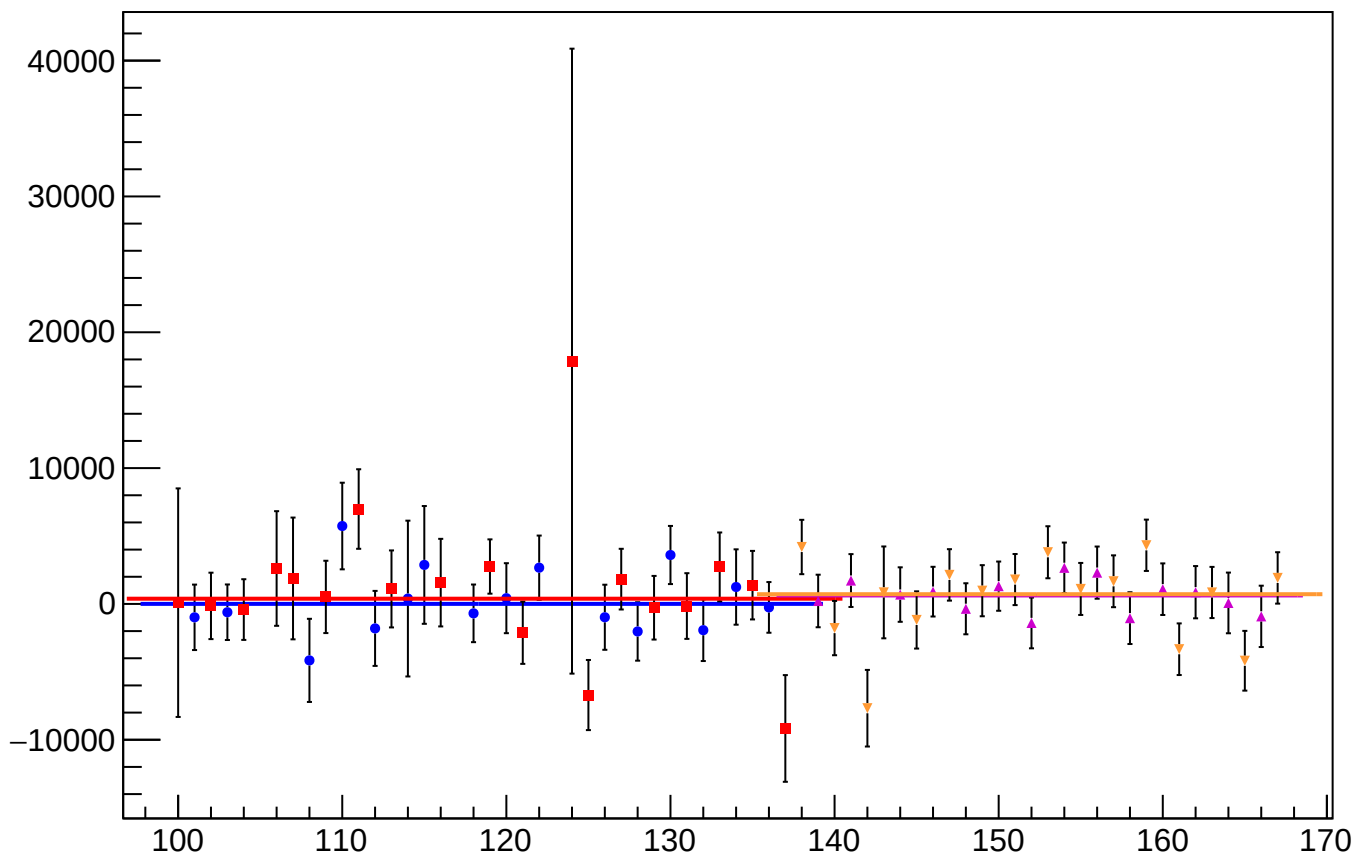
Left In: 0.000+/-0.000 χ^2/NDF : 1550421.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 16635479.1/31

All: 0.000+/-0.000 χ^2/NDF : 29180444.4/64

- sign 0.000+/-0.000 χ^2/NDF : 9432263.6/32

reg_asym_atl_dd_mean vs Slug



Right In: 4.373 ± 619.905 χ^2/NDF : 12.4/15

Left Out: 716.316 ± 504.582 χ^2/NDF : 31.6/15

Right Out: 384.758 ± 633.682 χ^2/NDF : 24.1/18

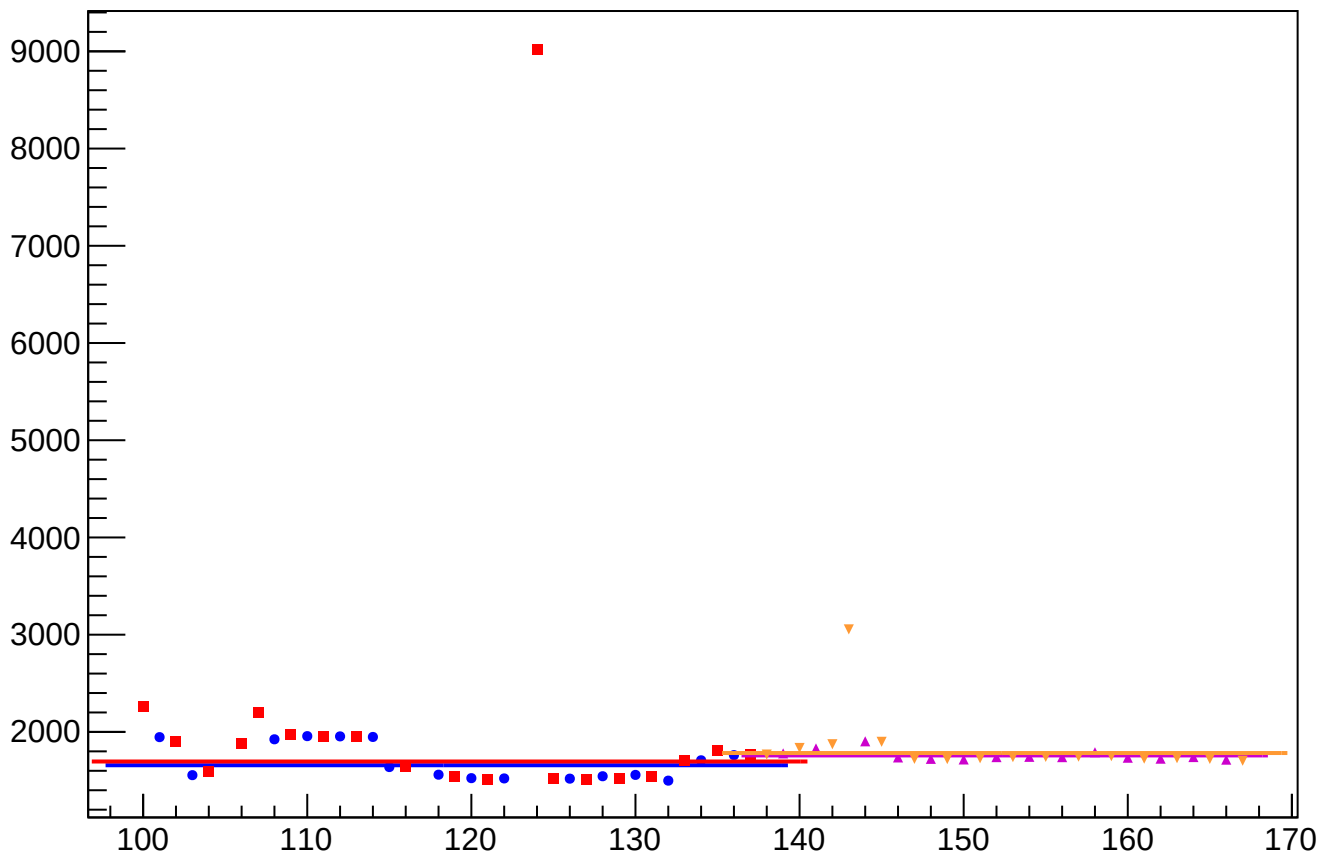
Left In: 624.378 ± 517.585 χ^2/NDF : 5.3/13

+ sign 432.599 ± 391.332 χ^2/NDF : 44.8/31

All: 479.391 ± 280.022 χ^2/NDF : 74.3/64

- sign 528.489 ± 400.862 χ^2/NDF : 29.4/32

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.4/15

Left Out: 1782.817+/-0.357 χ^2/NDF : 310135.6/15

Right Out: 1695.649+/-0.446 χ^2/NDF : 386216.2/18

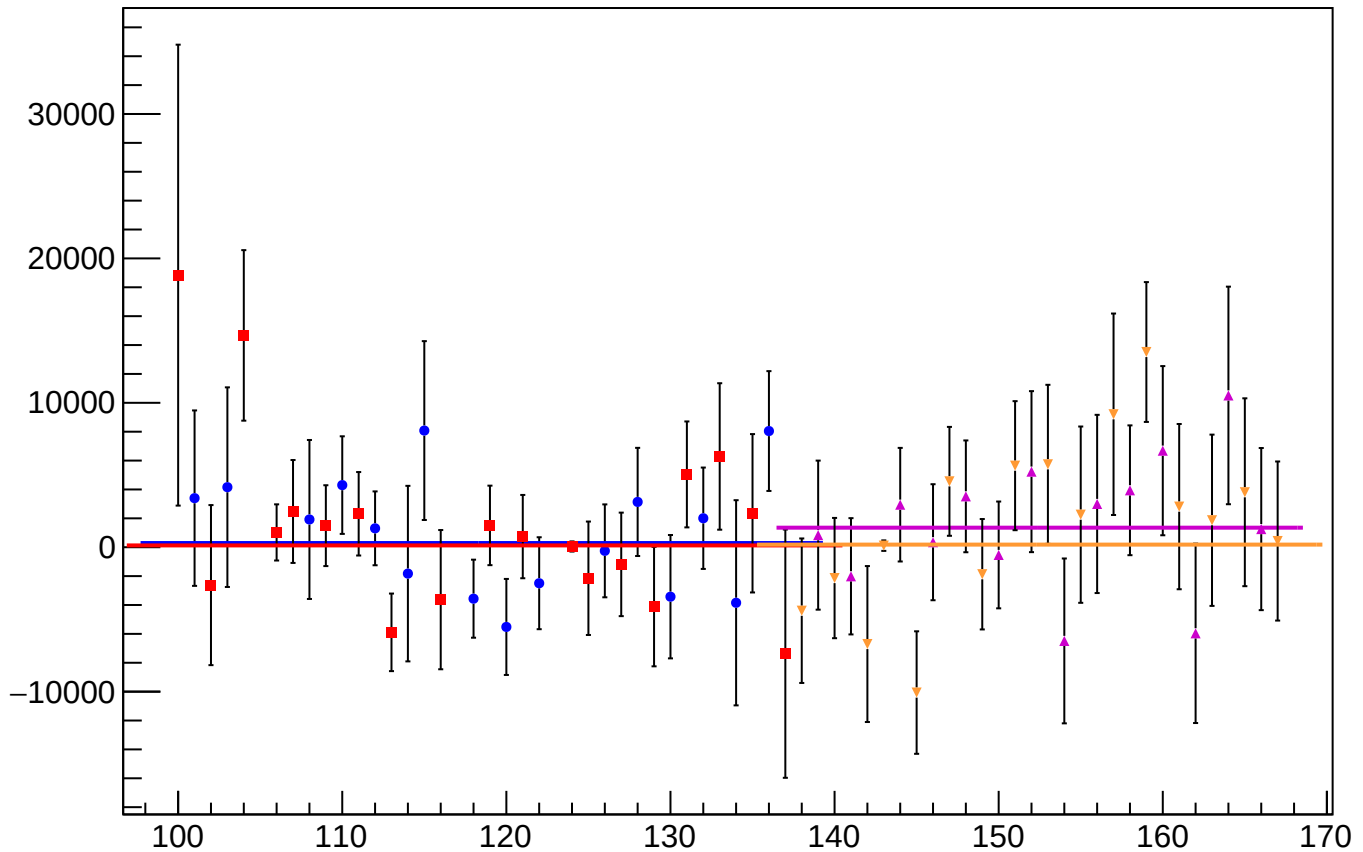
Left In: 1758.104+/-0.366 χ^2/NDF : 18258.3/13

+ sign 1732.725+/-0.277 χ^2/NDF : 503579.1/31

All: 1732.846+/-0.198 χ^2/NDF : 919772.0/64

- sign 1732.973+/-0.283 χ^2/NDF : 416192.5/32

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262 $\pm$ 961.071 χ^2 /NDF: 15.2/15

Left Out: 181.598 $\pm$ 350.130 χ^2 /NDF:22.8/15

Right Out: 125.586 $\pm$ 323.715 χ^2 /NDF: 20.8/18

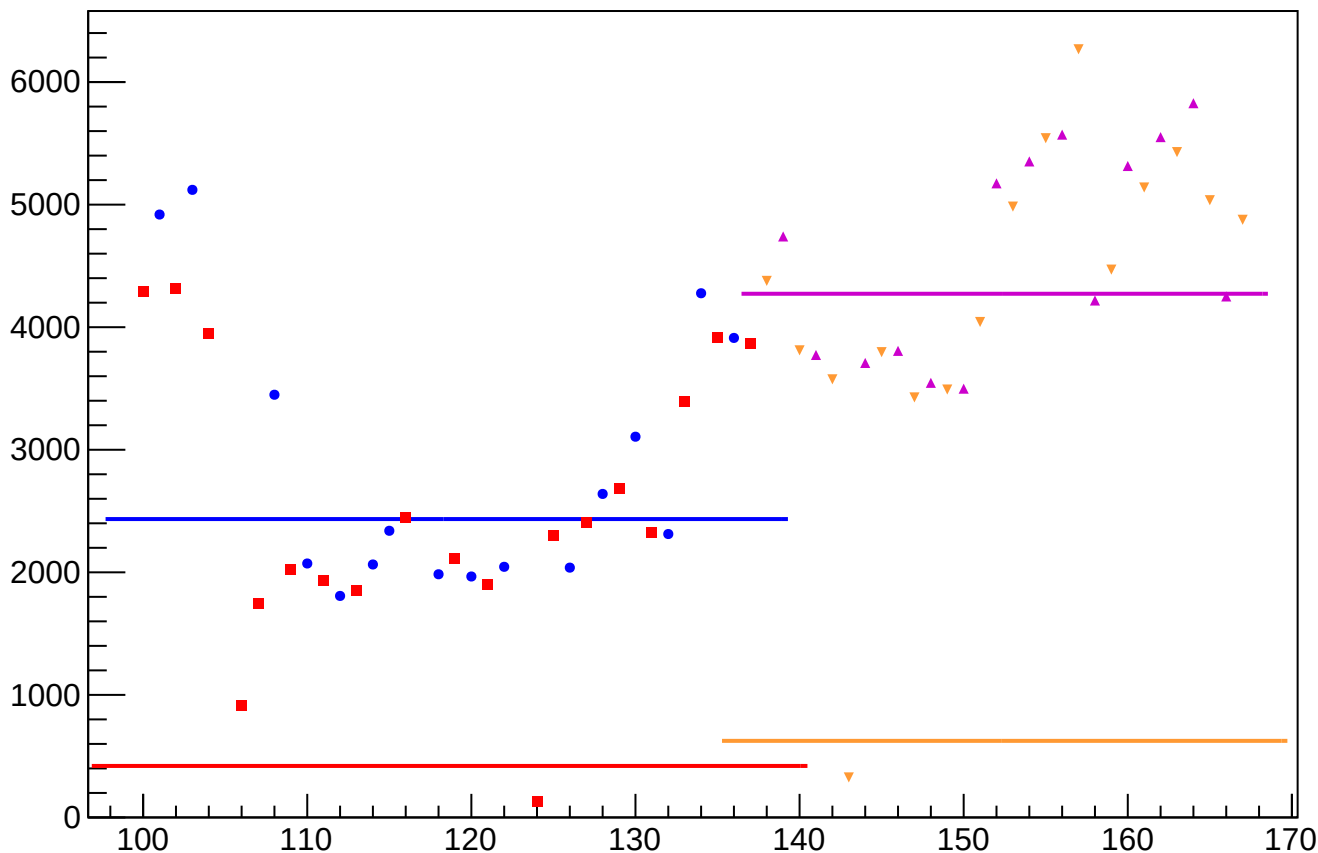
Left In: 1353.585 $\pm$ 1281.655 χ^2 /NDF:8.0/13

+ sign 194.214 $\pm$ 328.979 χ^2 /NDF: 38.0/31

All: 196.838 $\pm$ 227.089 χ^2 /NDF: 67.7/64

- sign 199.227 $\pm$ 313.858 χ^2 /NDF: 29.7/32

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF : 1457721.5/15

Left Out: 624.955+/-0.248 χ^2/NDF : 18543567.4/15

Right Out: 420.292+/-0.229 χ^2/NDF : 11063973.9/18

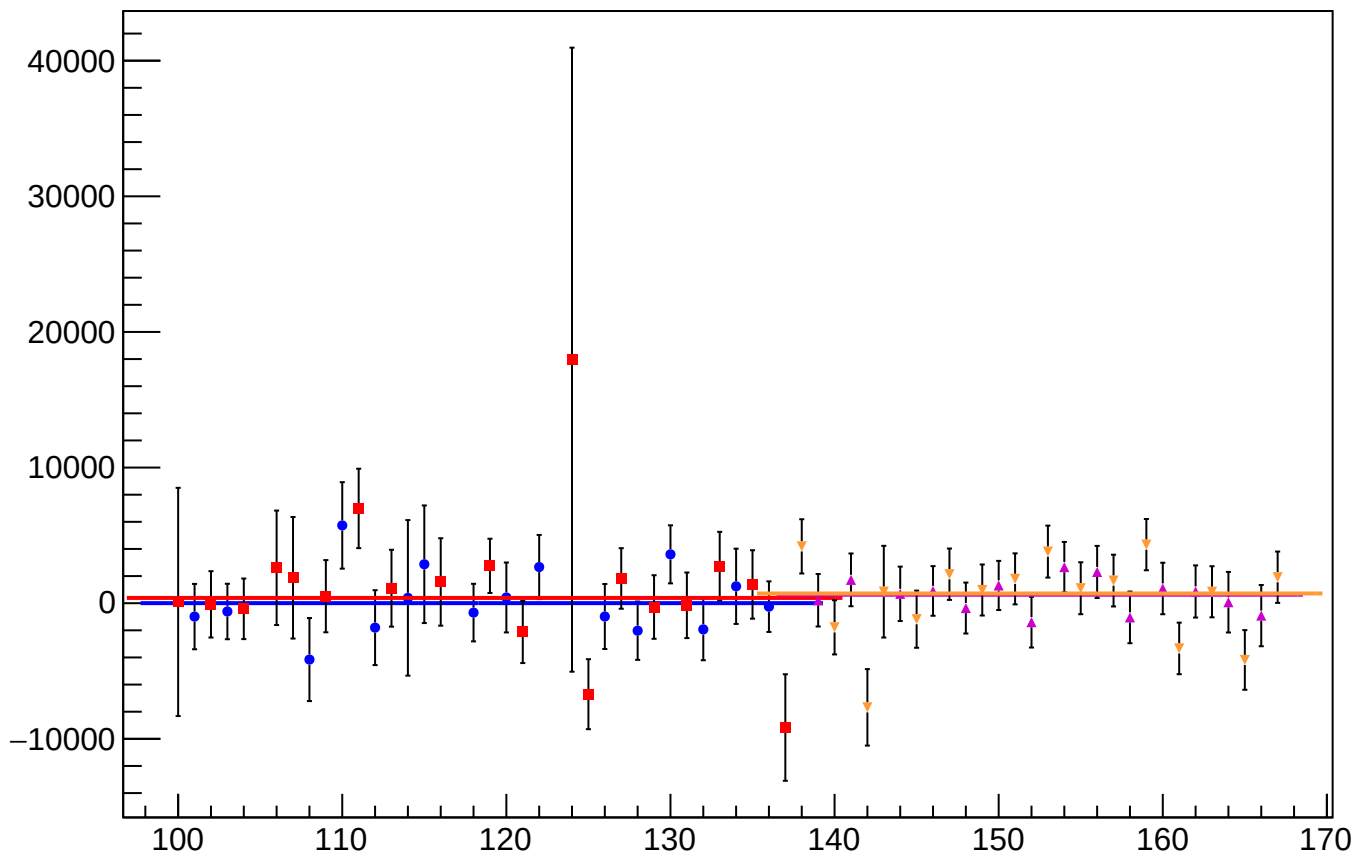
Left In: 4272.878+/-0.906 χ^2/NDF : 719280.0/13

+ sign 836.994+/-0.233 χ^2/NDF : 26261354.7/31

All: 739.796+/-0.161 χ^2/NDF : 55365798.8/64

- sign 651.327+/-0.222 χ^2/NDF : 28770949.1/32

cor_asym_atl_dd_mean vs Slug



Right In: 4.295 ± 619.905 χ^2/NDF : 12.4/15

Left Out: 716.260 ± 504.582 χ^2/NDF : 31.6/15

Right Out: 389.054 ± 633.688 χ^2/NDF : 24.0/18

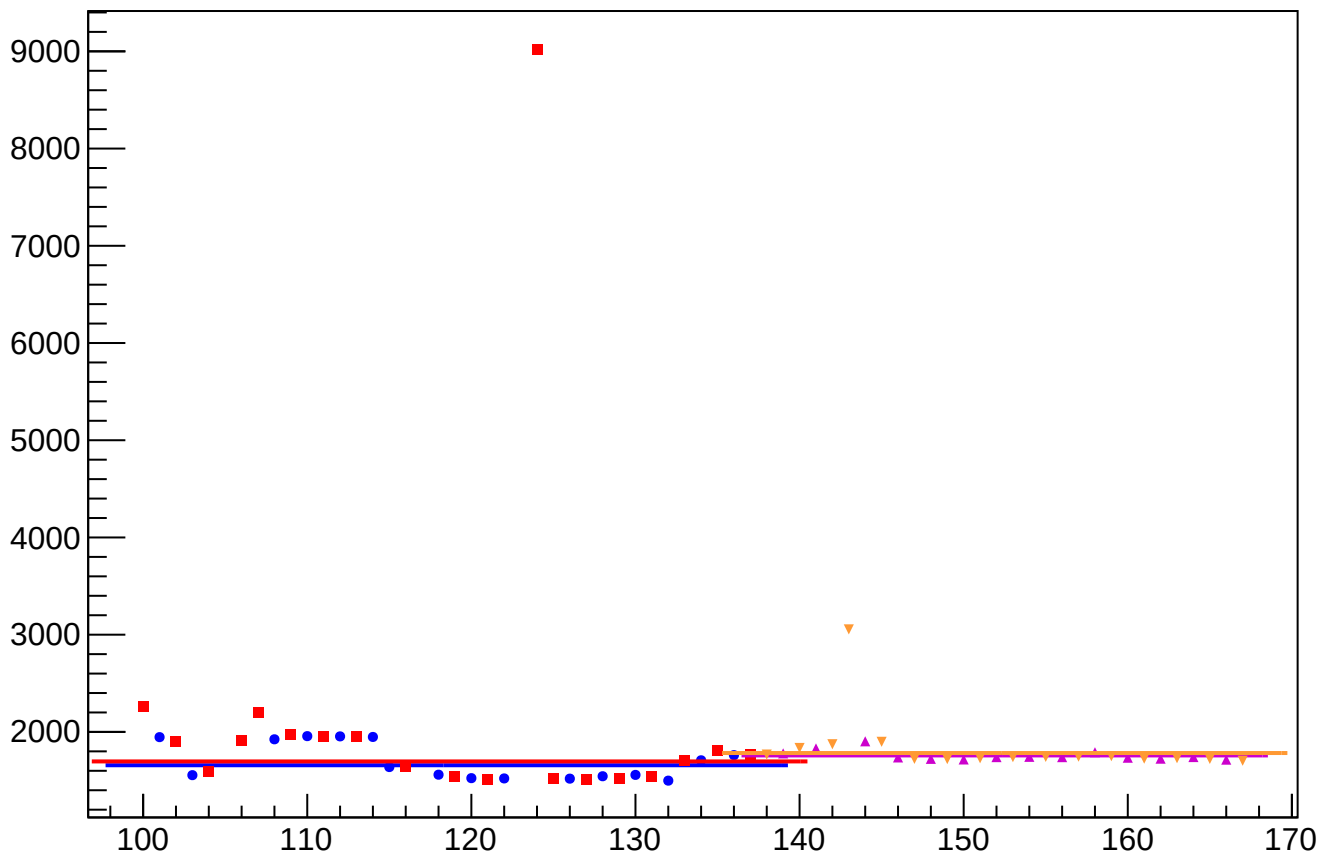
Left In: 624.404 ± 517.585 χ^2/NDF : 5.3/13

+ sign 432.534 ± 391.332 χ^2/NDF : 44.8/31

All: 480.204 ± 280.023 χ^2/NDF : 74.3/64

- sign 530.225 ± 400.863 χ^2/NDF : 29.4/32

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF : 310135.6/15

Right Out: 1696.442+/-0.446 χ^2/NDF : 387974.4/18

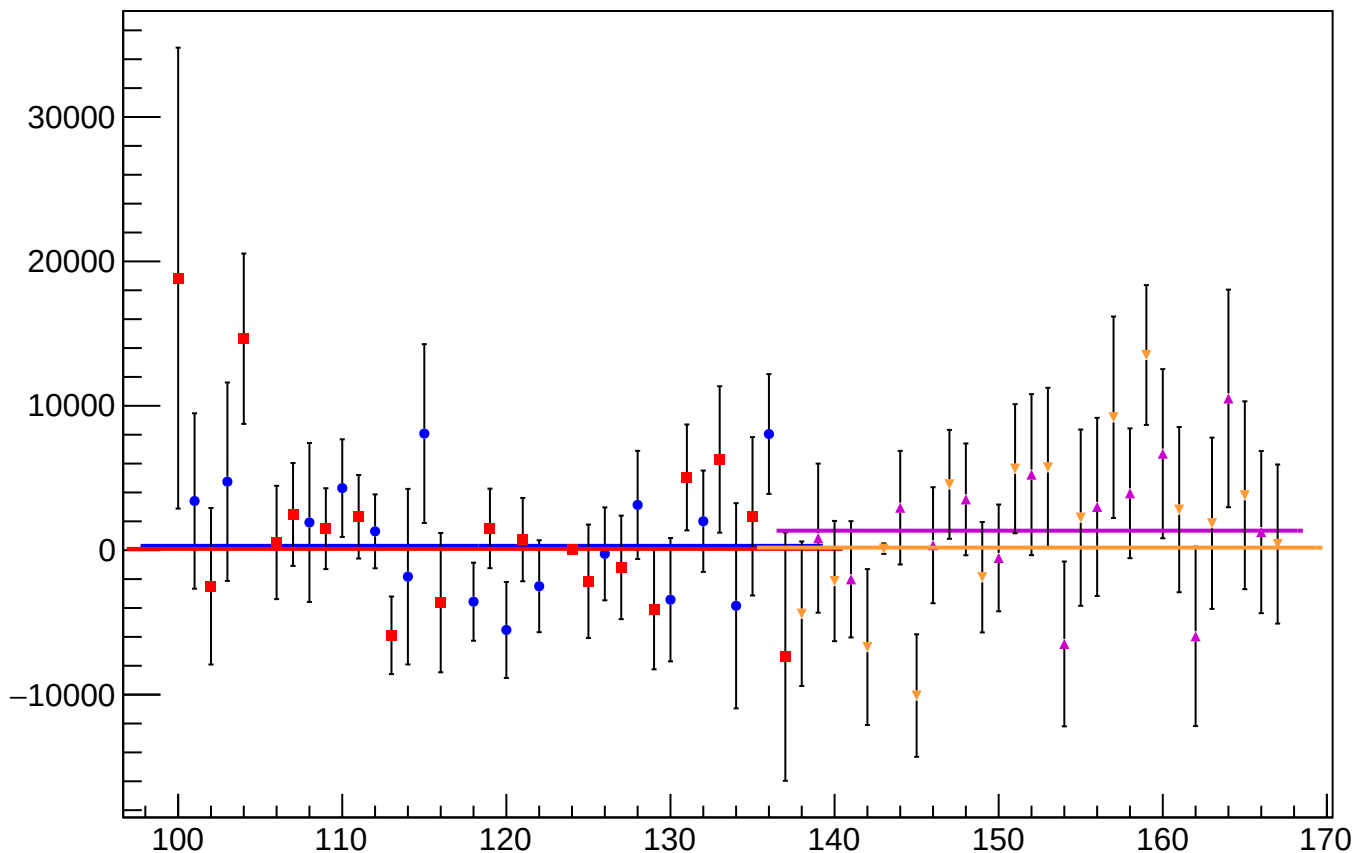
Left In: 1758.104+/-0.366 χ^2/NDF : 18258.3/13

+ sign 1732.725+/-0.277 χ^2/NDF : 503579.3/31

All: 1733.009+/-0.198 χ^2/NDF : 921229.7/64

- sign 1733.306+/-0.283 χ^2/NDF : 417648.3/32

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF : 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF : 22.8/15

Right Out: 92.243+/-315.757 χ^2/NDF : 20.6/18

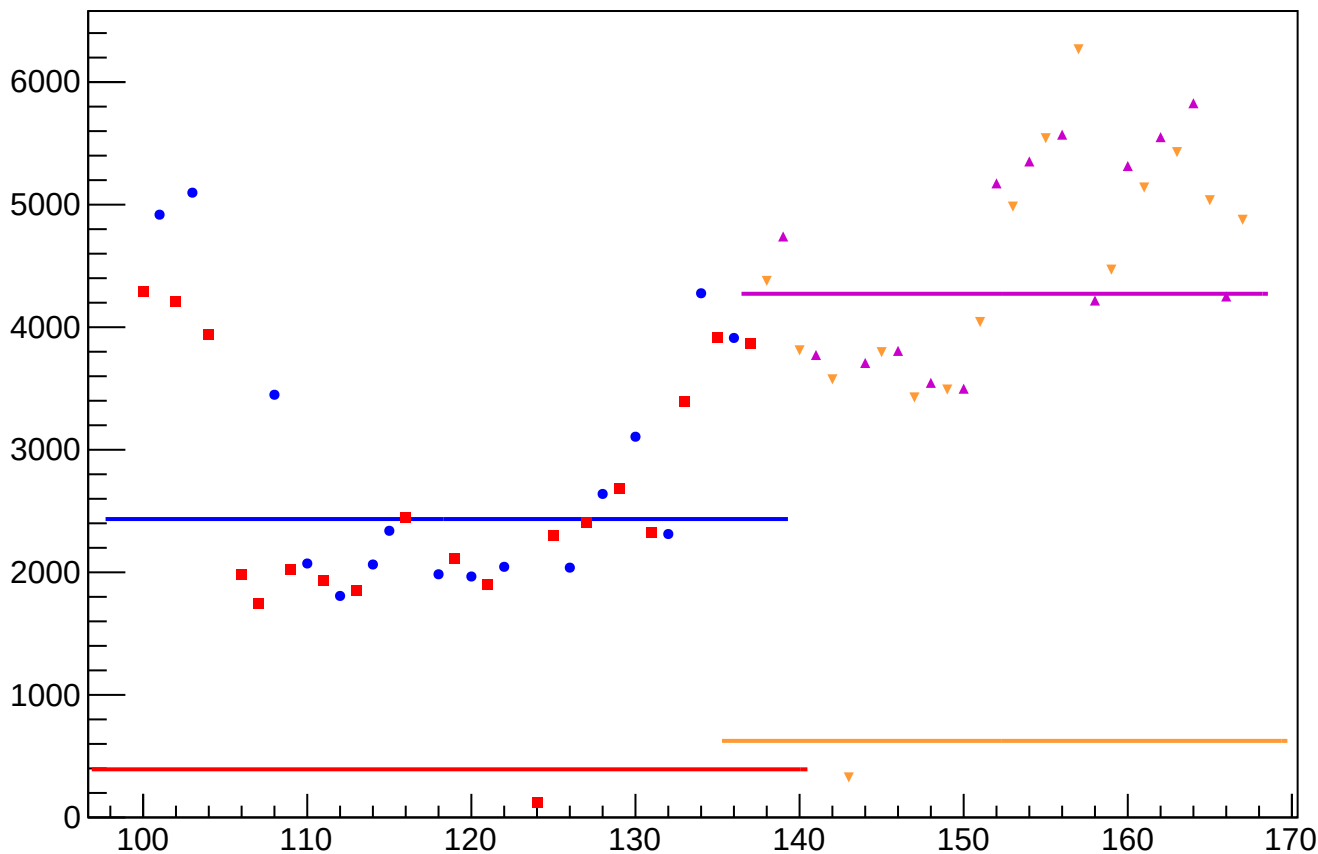
Left In: 1353.610+/-1281.654 χ^2/NDF : 8.0/13

+ sign 196.067+/-328.953 χ^2/NDF : 38.1/31

All: 179.133+/-224.281 χ^2/NDF : 67.6/64

- sign 164.423+/-306.590 χ^2/NDF : 29.5/32

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF : 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF :18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF : 11408006.3/18

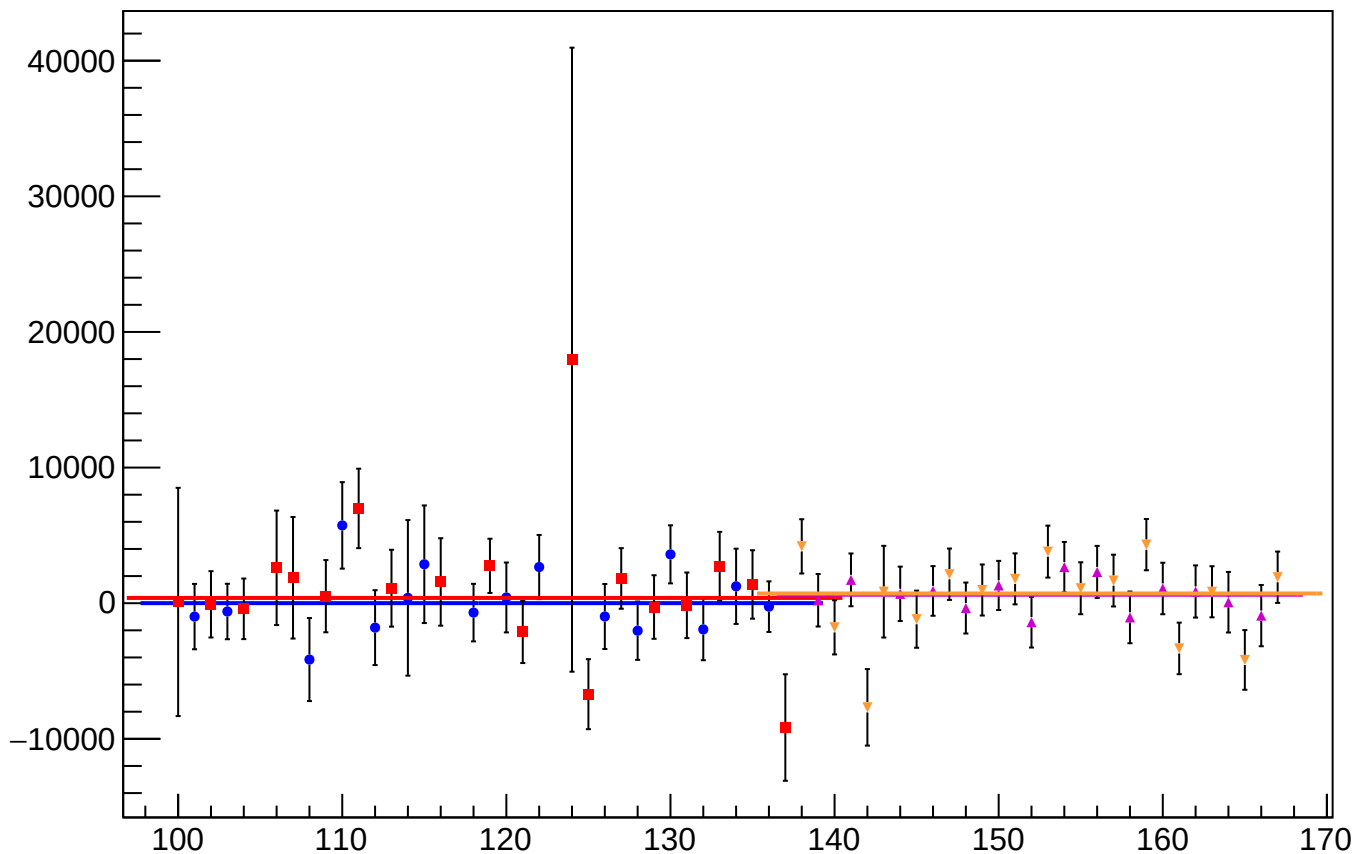
Left In: 4272.875+/-0.906 χ^2/NDF :719271.6/13

+ sign 836.970+/-0.233 χ^2/NDF : 26263227.0/31

All: 718.026+/-0.159 χ^2/NDF : 56161665.7/64

- sign 614.704+/-0.217 χ^2/NDF : 29409811.2/32

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295 ± 619.905 χ^2/NDF : 12.4/15

Left Out: 716.260 ± 504.582 χ^2/NDF : 31.6/15

Right Out: 389.054 ± 633.688 χ^2/NDF : 24.0/18

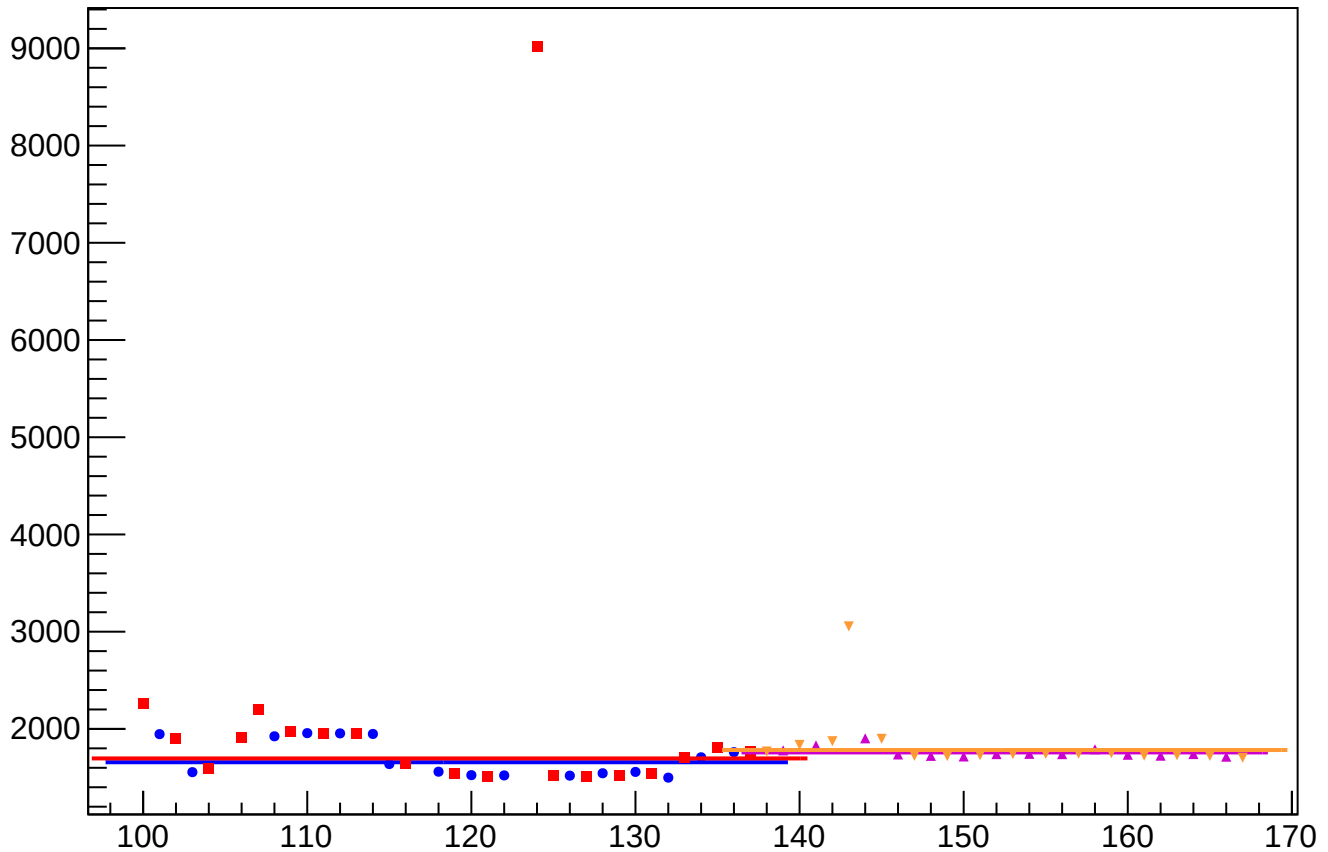
Left In: 624.404 ± 517.585 χ^2/NDF : 5.3/13

+ sign 432.534 ± 391.332 χ^2/NDF : 44.8/31

All: 480.204 ± 280.023 χ^2/NDF : 74.3/64

- sign 530.225 ± 400.863 χ^2/NDF : 29.4/32

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2 /NDF: 143982.5/15

Left Out: 1782.817 $\pm$ 0.357 χ^2 /NDF: 310135.6/15

Right Out: 1696.442 $\pm$ 0.446 χ^2 /NDF: 387974.4/18

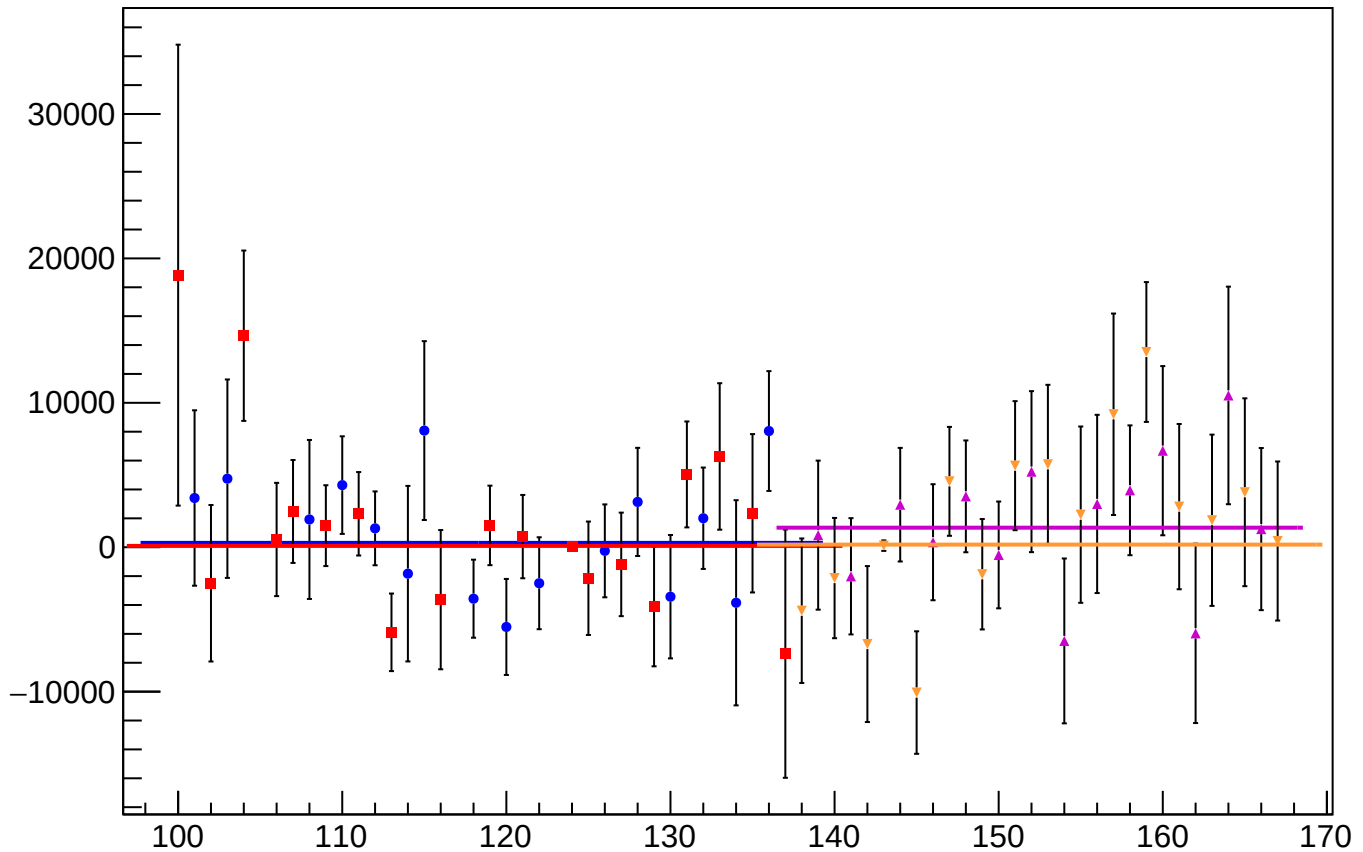
Left In: 1758.104 $\pm$ 0.366 χ^2 /NDF: 18258.3/13

+ sign 1732.725 $\pm$ 0.277 χ^2 /NDF: 503579.3/31

All: 1733.009 $\pm$ 0.198 χ^2 /NDF: 921229.7/64

- sign 1733.306 $\pm$ 0.283 χ^2 /NDF: 417648.3/32

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839 $\pm$ 960.952 χ^2 /NDF: 15.3/15

Left Out: 182.028 $\pm$ 350.105 χ^2 /NDF:22.8/15

Right Out: 92.243 $\pm$ 315.757 χ^2 /NDF: 20.6/18

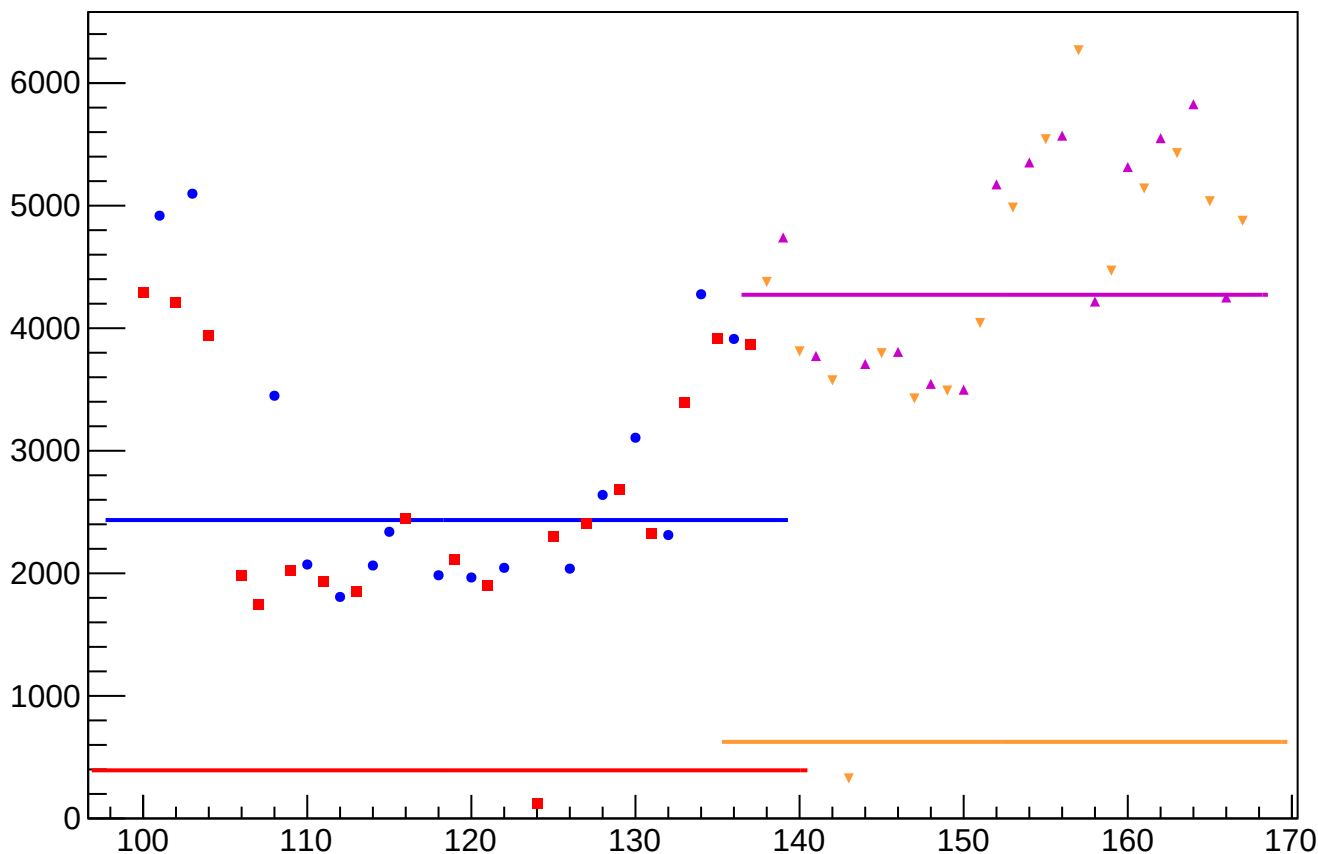
Left In: 1353.610 $\pm$ 1281.654 χ^2 /NDF:8.0/13

+ sign 196.067 $\pm$ 328.953 χ^2 /NDF: 38.1/31

All: 179.133 $\pm$ 224.281 χ^2 /NDF: 67.6/64

- sign 164.423 $\pm$ 306.590 χ^2 /NDF: 29.5/32

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF : 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF :18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF : 11408006.3/18

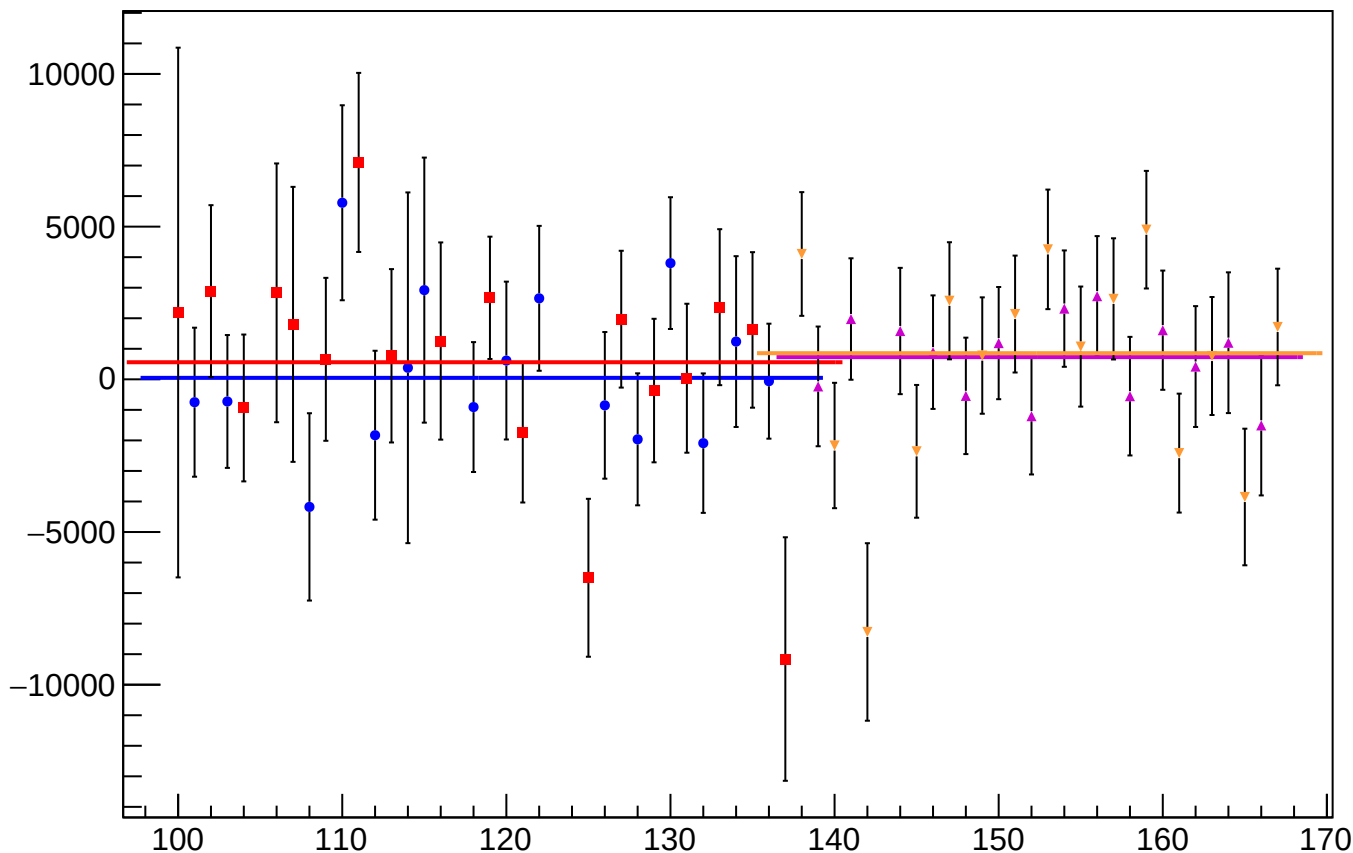
Left In: 4272.875+/-0.906 χ^2/NDF :719271.6/13

+ sign 836.970+/-0.233 χ^2/NDF : 26263227.0/31

All: 718.026+/-0.159 χ^2/NDF : 56161665.7/64

- sign 614.704+/-0.217 χ^2/NDF : 29409811.2/32

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF : 12.8/15

Left Out: 856.278+/-521.234 χ^2/NDF : 33.7/14

Right Out: 559.598+/-645.291 χ^2/NDF : 23.3/17

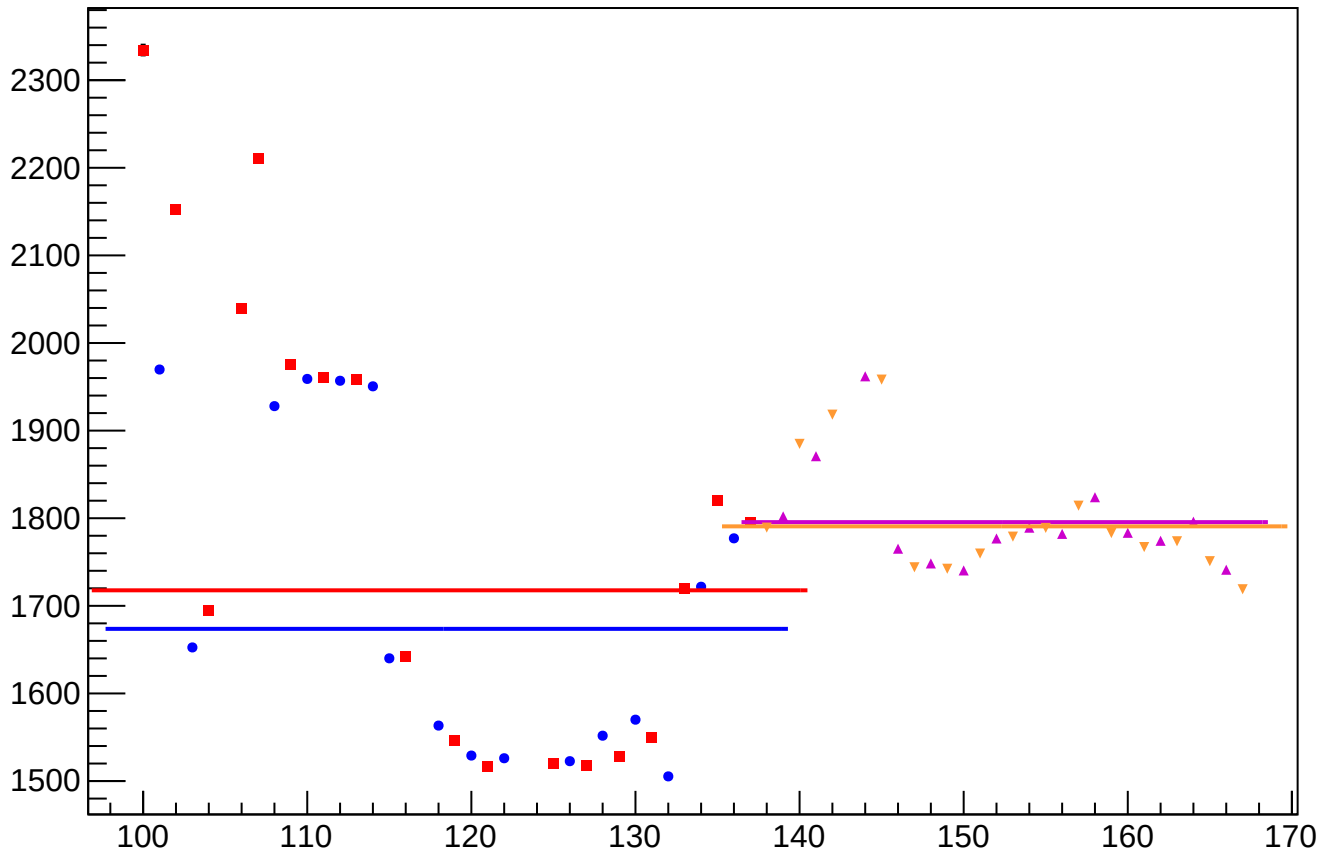
Left In: 727.206+/-528.667 χ^2/NDF : 5.7/13

+ sign 525.571+/-400.599 χ^2/NDF : 47.5/30

All: 591.345+/-286.172 χ^2/NDF : 76.6/62

- sign 659.890+/-408.948 χ^2/NDF : 29.0/31

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF : 140873.1/15

Left Out: 1790.716+/-0.369 χ^2/NDF : 27235.4/14

+ sign 1742.831+/-0.283 χ^2/NDF : 209347.1/30

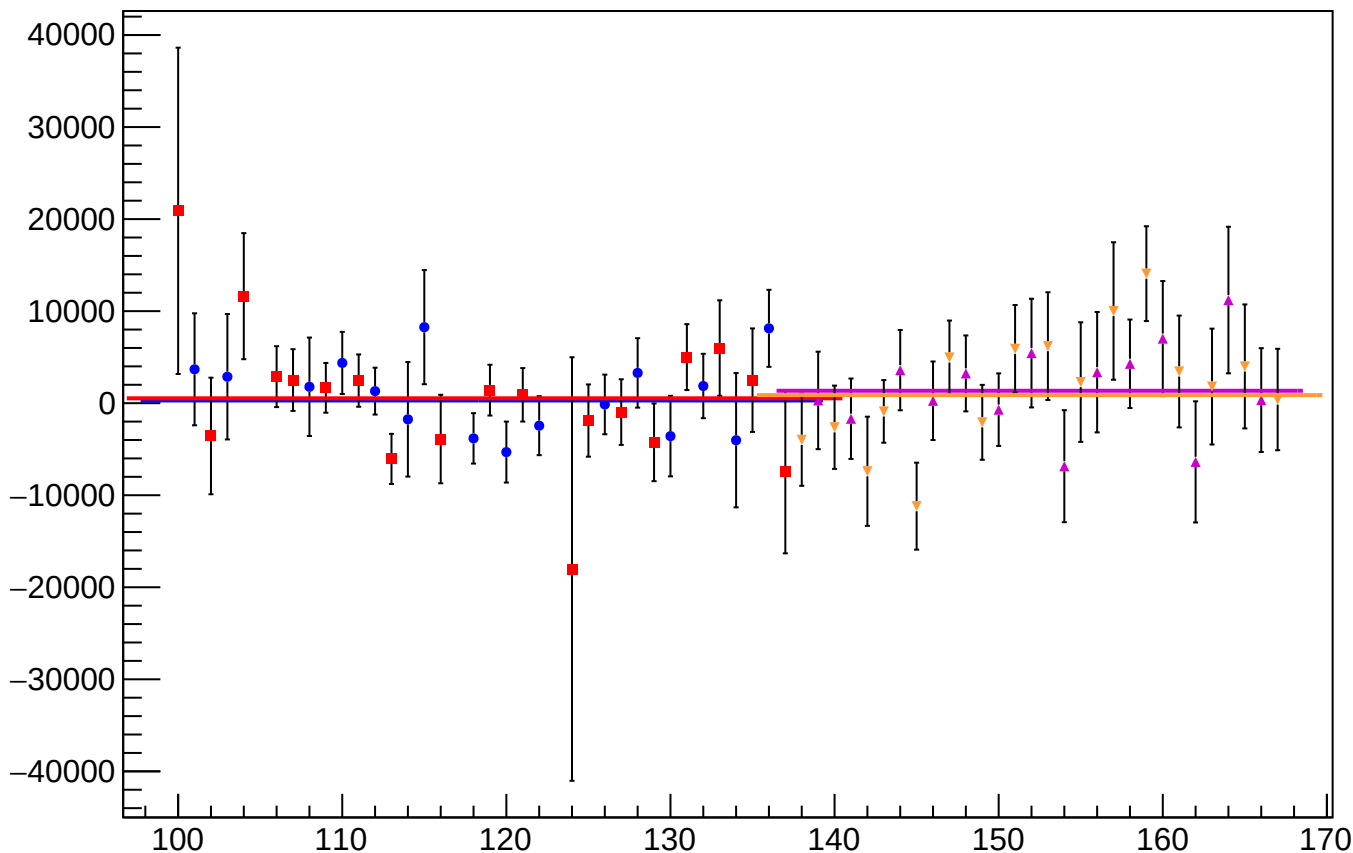
Right Out: 1717.713+/-0.455 χ^2/NDF : 227642.0/17

All: 1753.302+/-0.202 χ^2/NDF : 478798.8/62

Left In: 1795.537+/-0.374 χ^2/NDF : 21567.1/13

- sign 1764.194+/-0.289 χ^2/NDF : 266663.8/31

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517 $\pm$ 964.677 χ^2 /NDF: 15.3/15

Left Out: 878.008 $\pm$ 1258.711 χ^2 /NDF:22.3/15

Right Out: 531.007 $\pm$ 883.969 χ^2 /NDF: 18.8/18

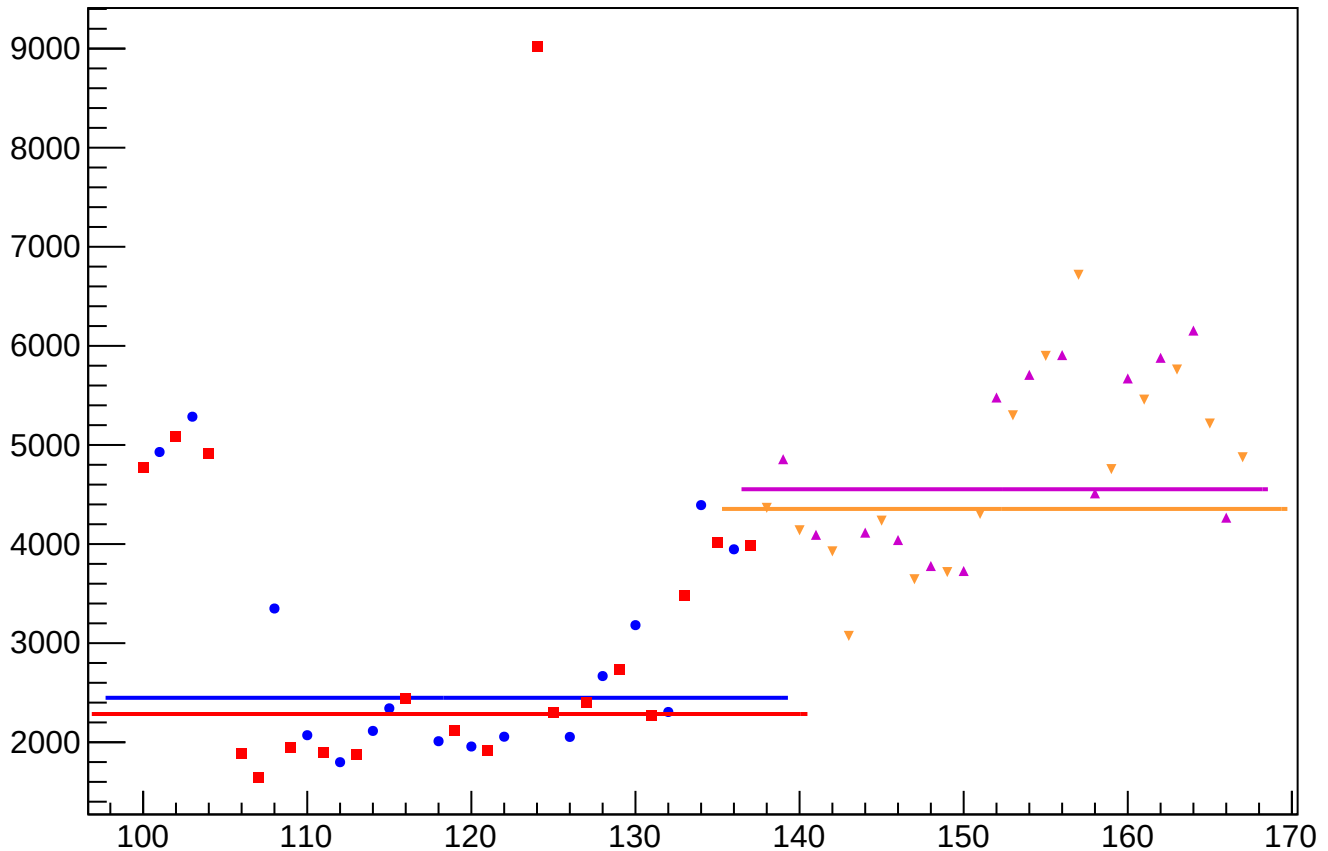
Left In: 1350.676 $\pm$ 1364.706 χ^2 /NDF:7.9/13

+ sign 511.684 $\pm$ 765.672 χ^2 /NDF: 37.7/31

All: 646.595 $\pm$ 532.818 χ^2 /NDF: 64.7/64

- sign 773.266 $\pm$ 741.925 χ^2 /NDF: 26.9/32

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF : 1517585.7/15

Left Out: 4354.542+/-0.890 χ^2/NDF : 1005855.4/15

Right Out: 2285.075+/-0.625 χ^2/NDF : 1548819.2/18

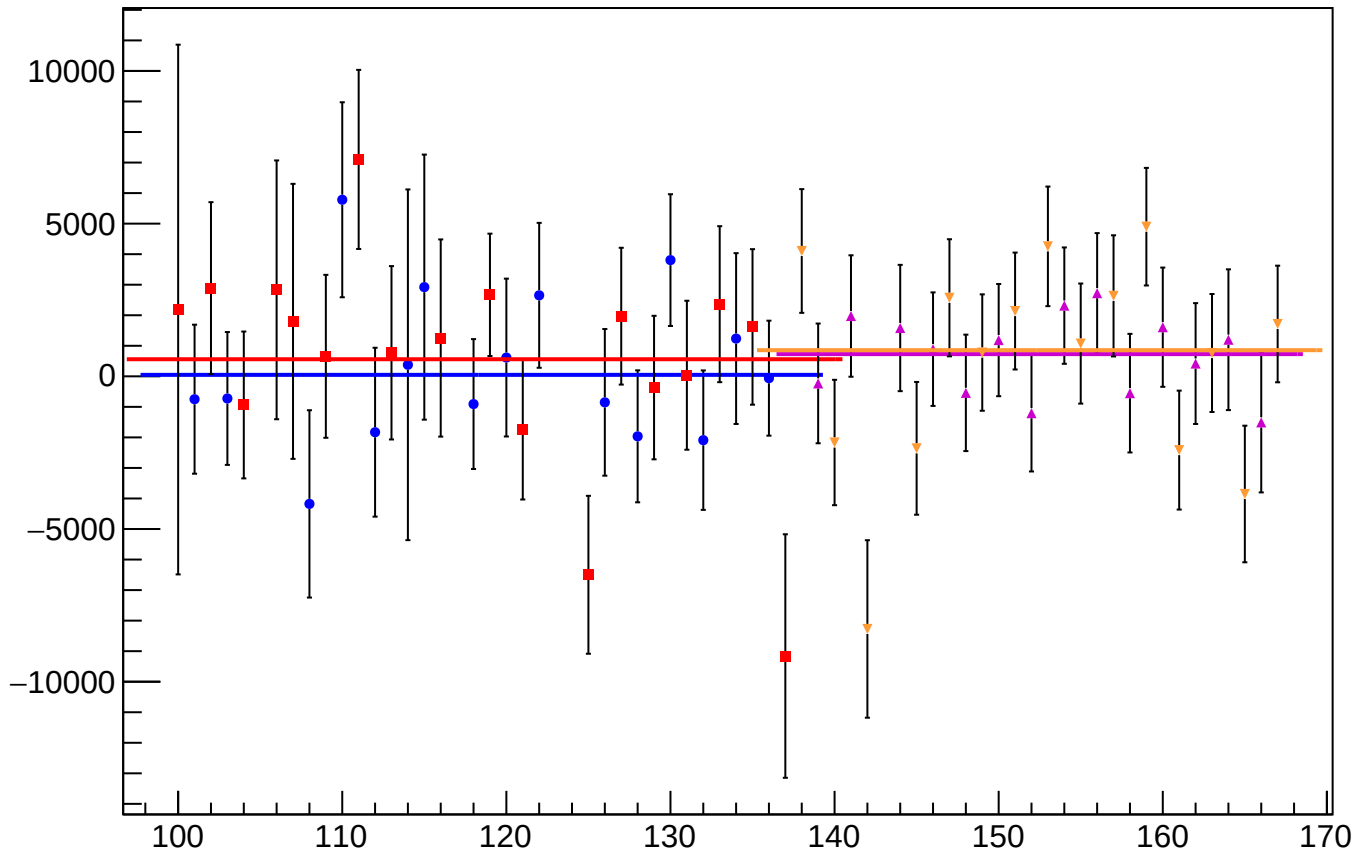
Left In: 4553.212+/-0.965 χ^2/NDF : 674149.2/13

+ sign 3153.850+/-0.541 χ^2/NDF : 5412257.9/31

All: 3051.520+/-0.377 χ^2/NDF : 11596164.3/6

- sign 2955.439+/-0.525 χ^2/NDF : 6114641.8/32

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF : 12.8/15

Left Out: 856.282+/-521.234 χ^2/NDF : 33.7/14

Right Out: 559.600+/-645.291 χ^2/NDF : 23.3/17

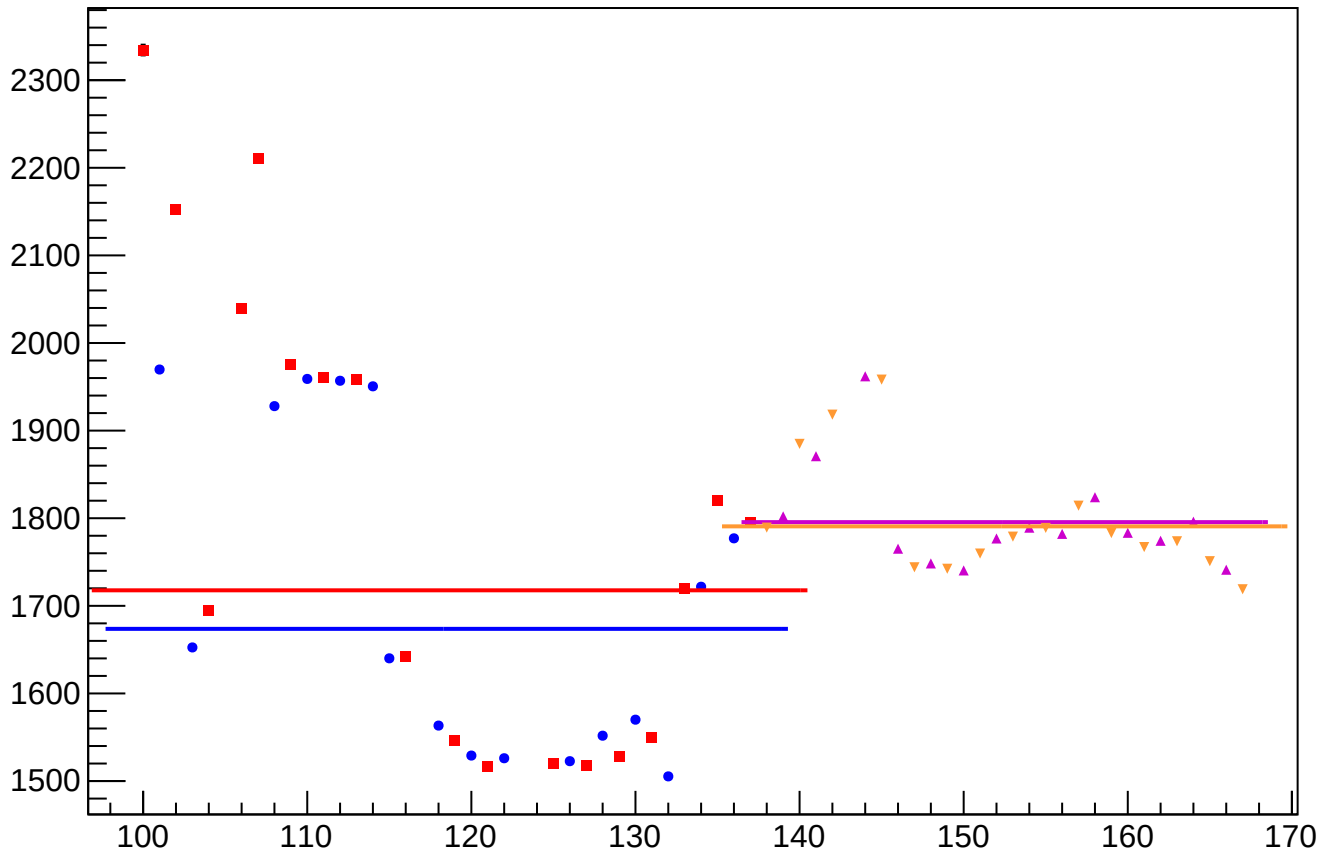
Left In: 727.207+/-528.667 χ^2/NDF : 5.7/13

+ sign 525.572+/-400.599 χ^2/NDF : 47.5/30

All: 591.346+/-286.172 χ^2/NDF : 76.6/62

- sign 659.891+/-408.948 χ^2/NDF : 29.0/31

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF : 140873.1/15

Left Out: 1790.717+/-0.369 χ^2/NDF : 27235.9/14

Right Out: 1717.713+/-0.455 χ^2/NDF : 227641.3/17

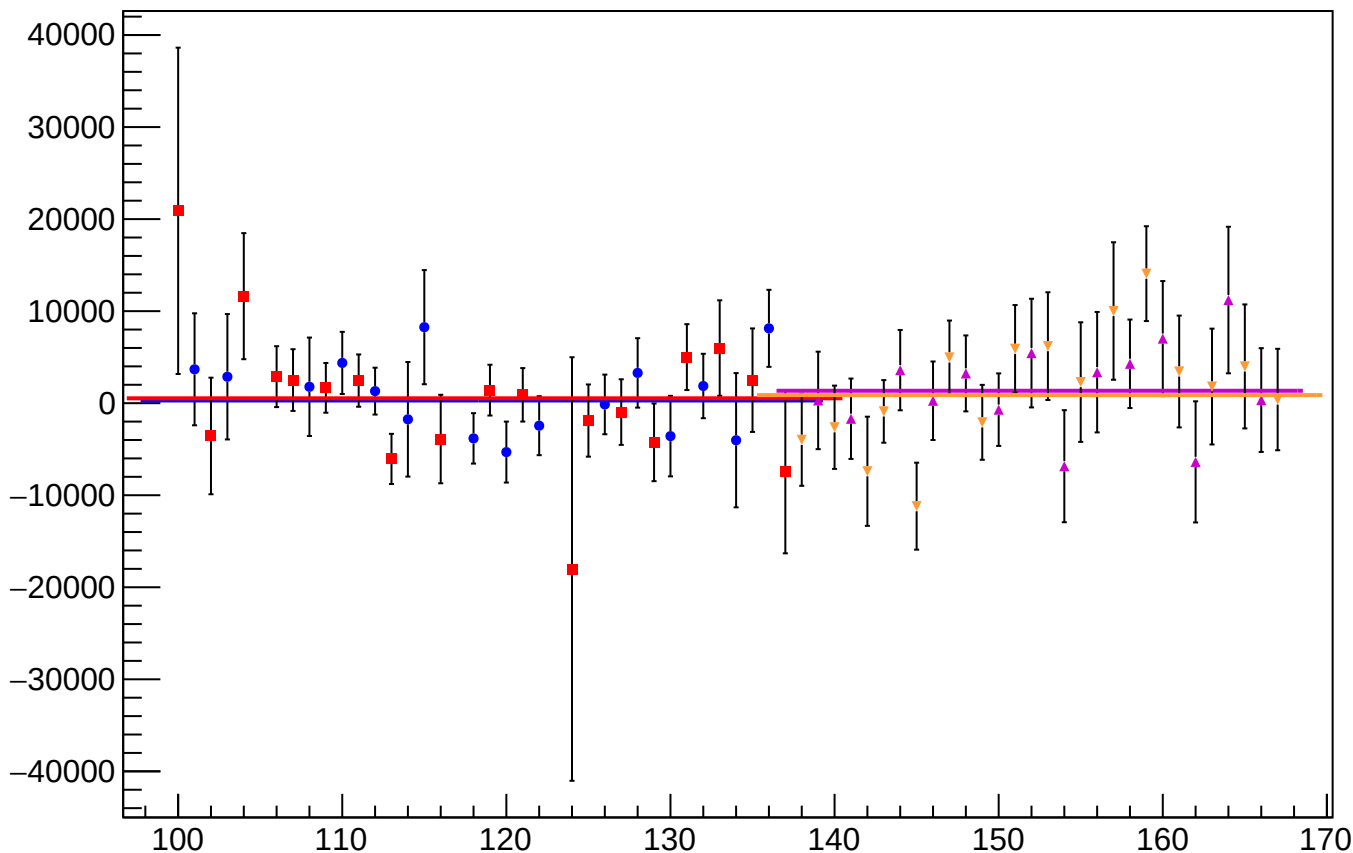
Left In: 1795.538+/-0.374 χ^2/NDF : 21567.4/13

+ sign 1742.831+/-0.283 χ^2/NDF : 209348.4/30

All: 1753.303+/-0.202 χ^2/NDF : 478800.2/62

- sign 1764.194+/-0.289 χ^2/NDF : 266663.9/31

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511 $\pm$ 964.673 χ^2 /NDF: 15.3/15

Left Out: 878.013 $\pm$ 1258.712 χ^2 /NDF:22.3/15

Right Out: 531.009 $\pm$ 883.966 χ^2 /NDF: 18.8/18

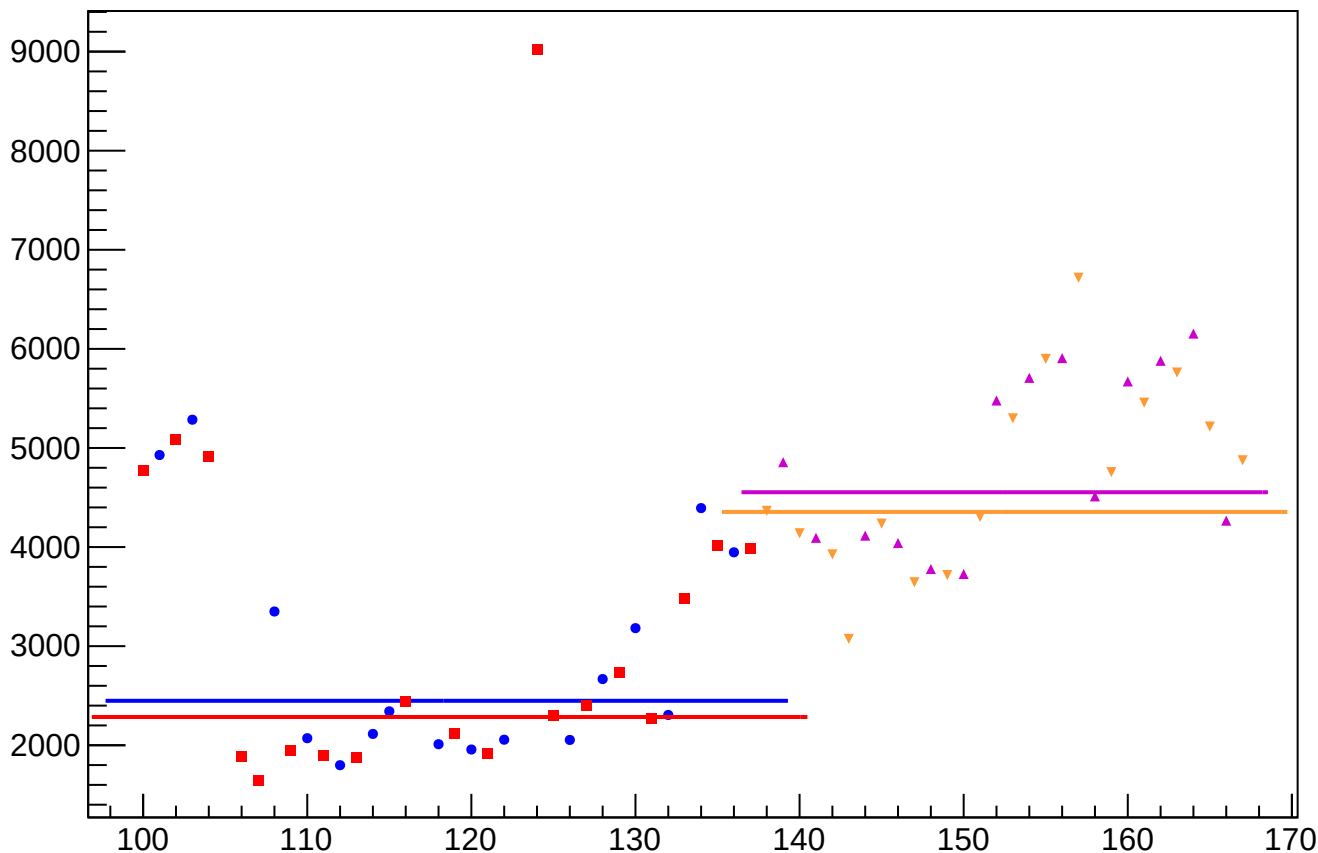
Left In: 1350.676 $\pm$ 1364.707 χ^2 /NDF:7.9/13

+ sign 511.681 $\pm$ 765.671 χ^2 /NDF: 37.7/31

All: 646.593 $\pm$ 532.817 χ^2 /NDF: 64.7/64

- sign 773.266 $\pm$ 741.923 χ^2 /NDF: 26.9/32

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587 ± 0.682 $\chi^2/\text{NDF}: 1517598.4/15$

Left Out: 4354.547 ± 0.890 $\chi^2/\text{NDF}: 1005860.2/15$

Right Out: 2285.066 ± 0.625 $\chi^2/\text{NDF}: 1548827.3/18$

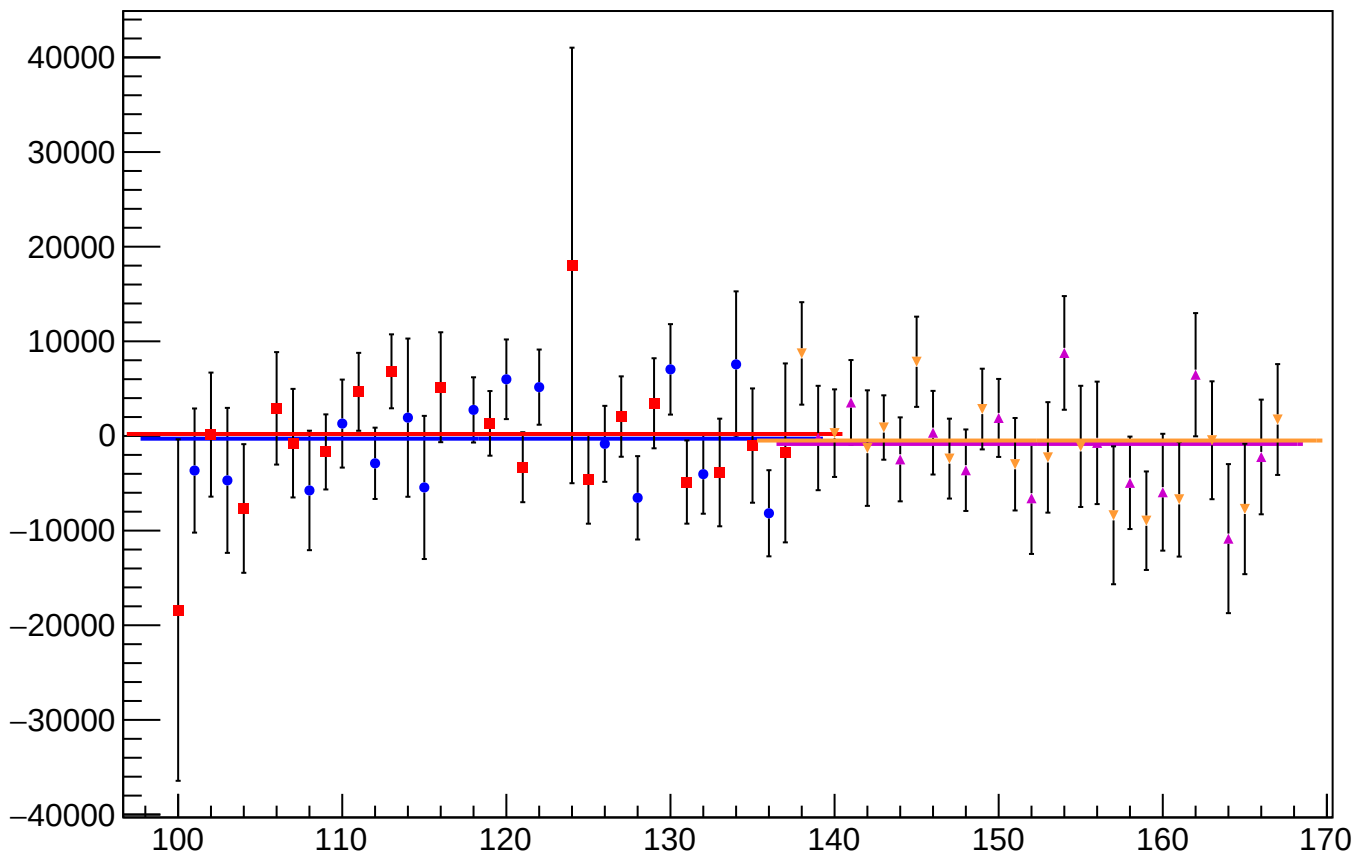
Left In: 4553.217 ± 0.965 $\chi^2/\text{NDF}: 674151.8/13$

+ sign 3153.840 ± 0.541 $\chi^2/\text{NDF}: 5412327.1/31$

All: 3051.510 ± 0.377 $\chi^2/\text{NDF}: 11596294.1/6$

- sign 2955.430 ± 0.525 $\chi^2/\text{NDF}: 6114702.6/32$

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF : 16.6/15

Left Out: -482.492+/-1286.856 χ^2/NDF : 13.4/15

Right Out: 209.473+/-1153.742 χ^2/NDF : 12.9/18

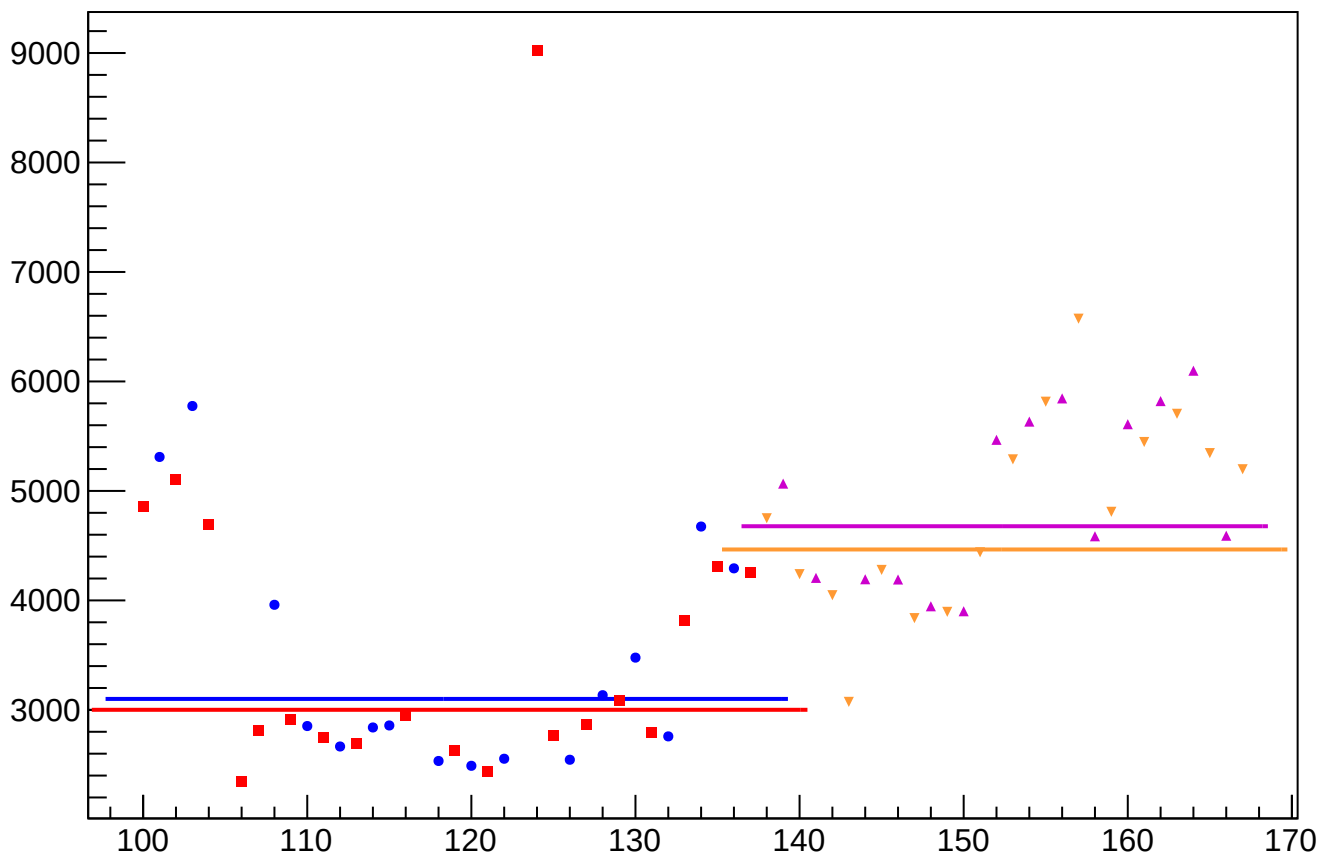
Left In: -841.179+/-1396.068 χ^2/NDF : 9.9/13

+ sign -377.858+/-876.586 χ^2/NDF : 30.0/31

All: -298.540+/-624.302 χ^2/NDF : 53.1/64

- sign -216.896+/-889.344 χ^2/NDF : 23.1/32

asym_atl_dd_rms vs Slug



Right In: 3100.135 ± 0.847 χ^2/NDF : 963669.6/15

Left Out: 4465.217 ± 0.910 χ^2/NDF : 938178.4/15

Right Out: 3000.750 ± 0.805 χ^2/NDF : 806601.4/18

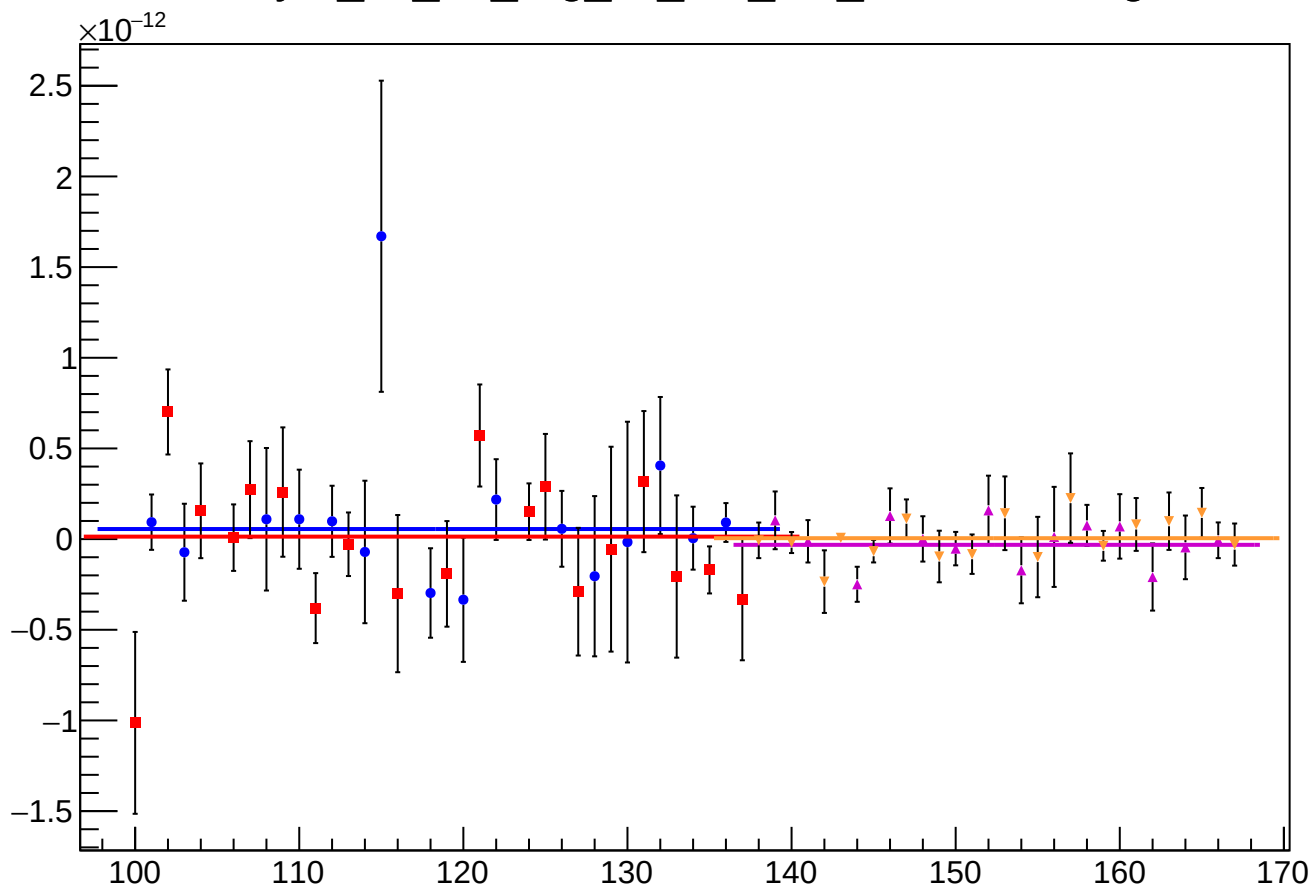
Left In: 4677.471 ± 0.987 χ^2/NDF : 534017.2/13

+ sign 3733.548 ± 0.620 χ^2/NDF : 3108113.5/31

All: 3702.087 ± 0.440 χ^2/NDF : 6186975.7/64

- sign 3670.226 ± 0.624 χ^2/NDF : 3073677.0/32

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 : 9.2/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.0/18

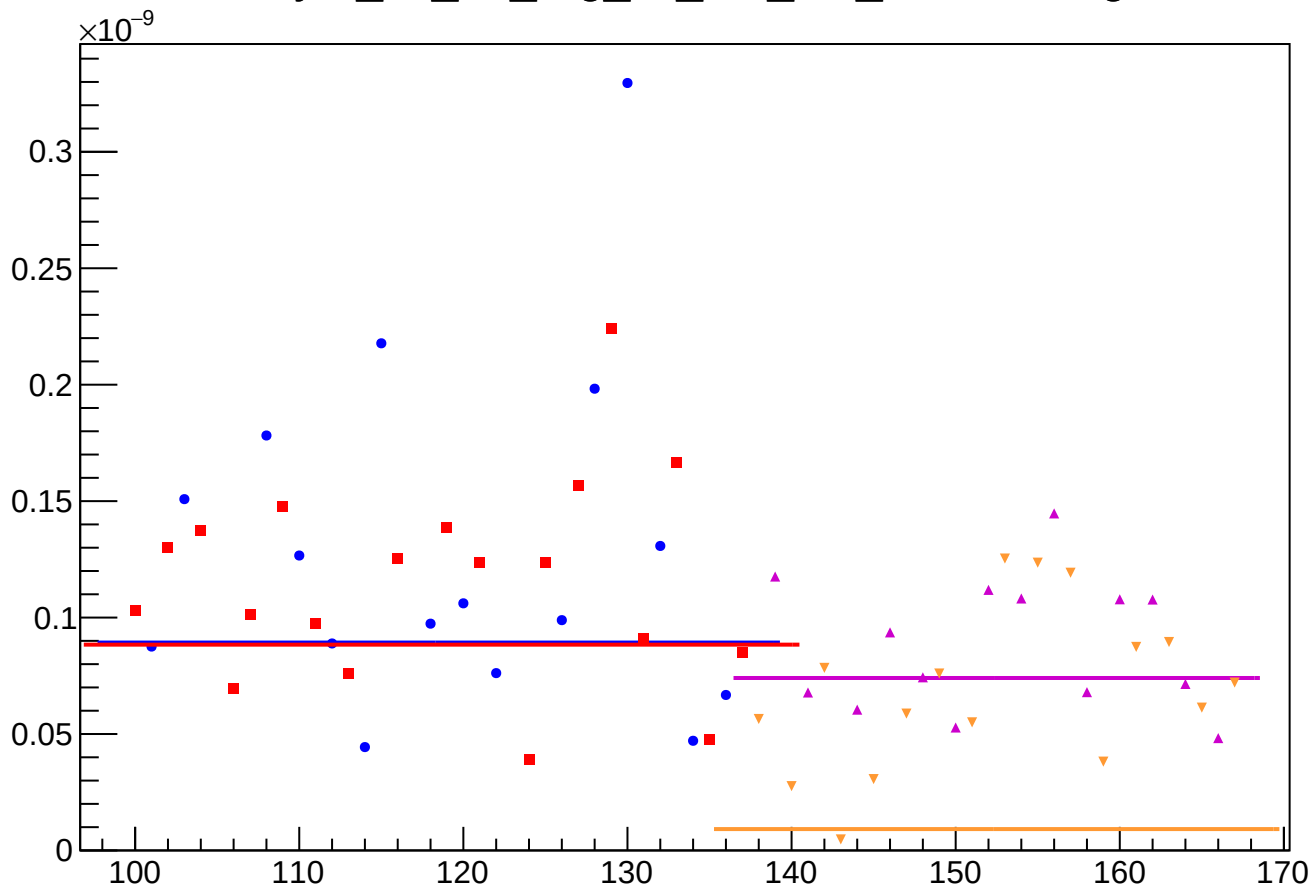
Left In: -0.000 ± 0.000 χ^2/NDF : 10.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 19.3/31

All: 0.000 ± 0.000 χ^2/NDF : 61.3/64

- sign -0.000 ± 0.000 χ^2/NDF : 41.4/32

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 6755471.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1013814.1/18

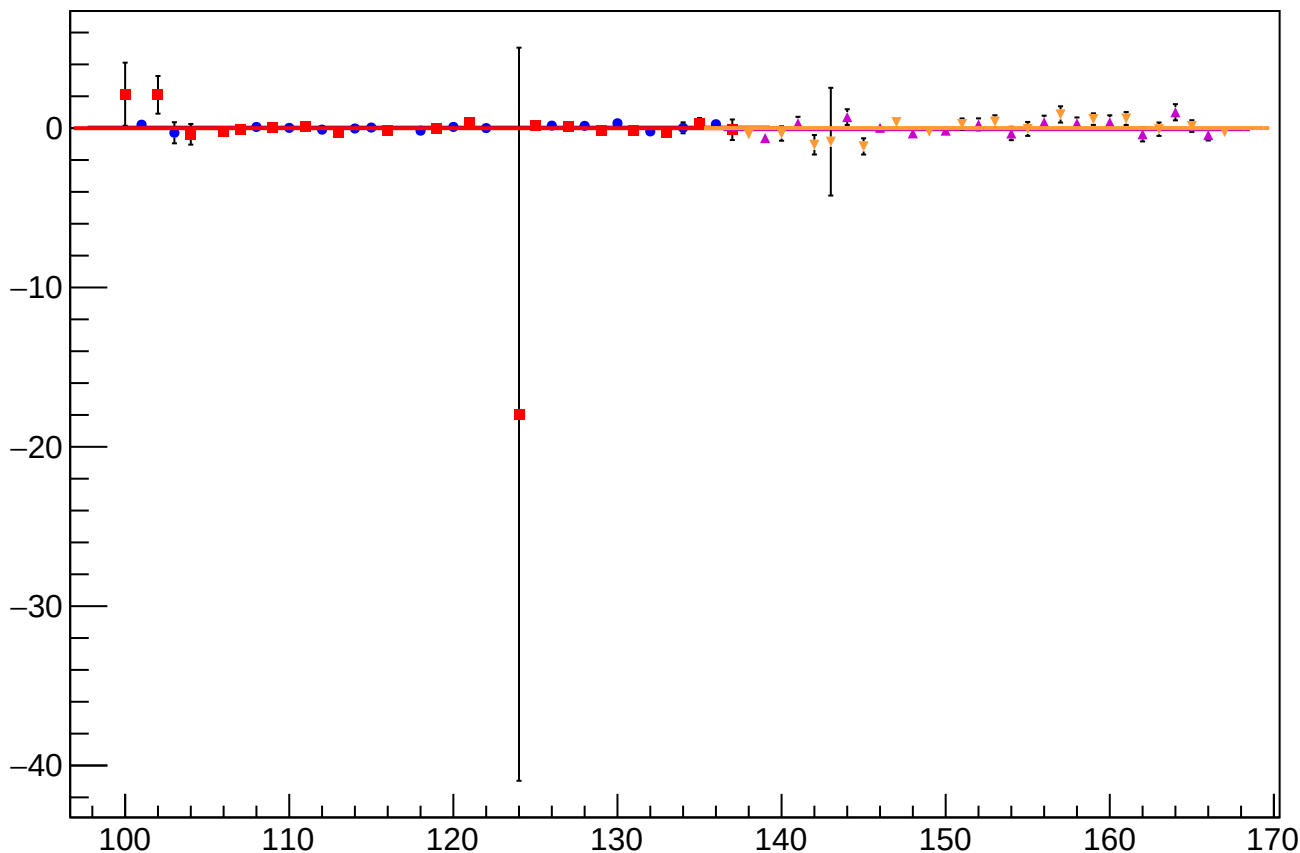
Left In: 0.000+/-0.000 χ^2/NDF : 896464.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 11637231.1/31

All: 0.000+/-0.000 χ^2/NDF : 22958529.2/64

- sign 0.000+/-0.000 χ^2/NDF : 2003970.6/32

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: 0.004 ± 0.094 χ^2/NDF : 22.8/15

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

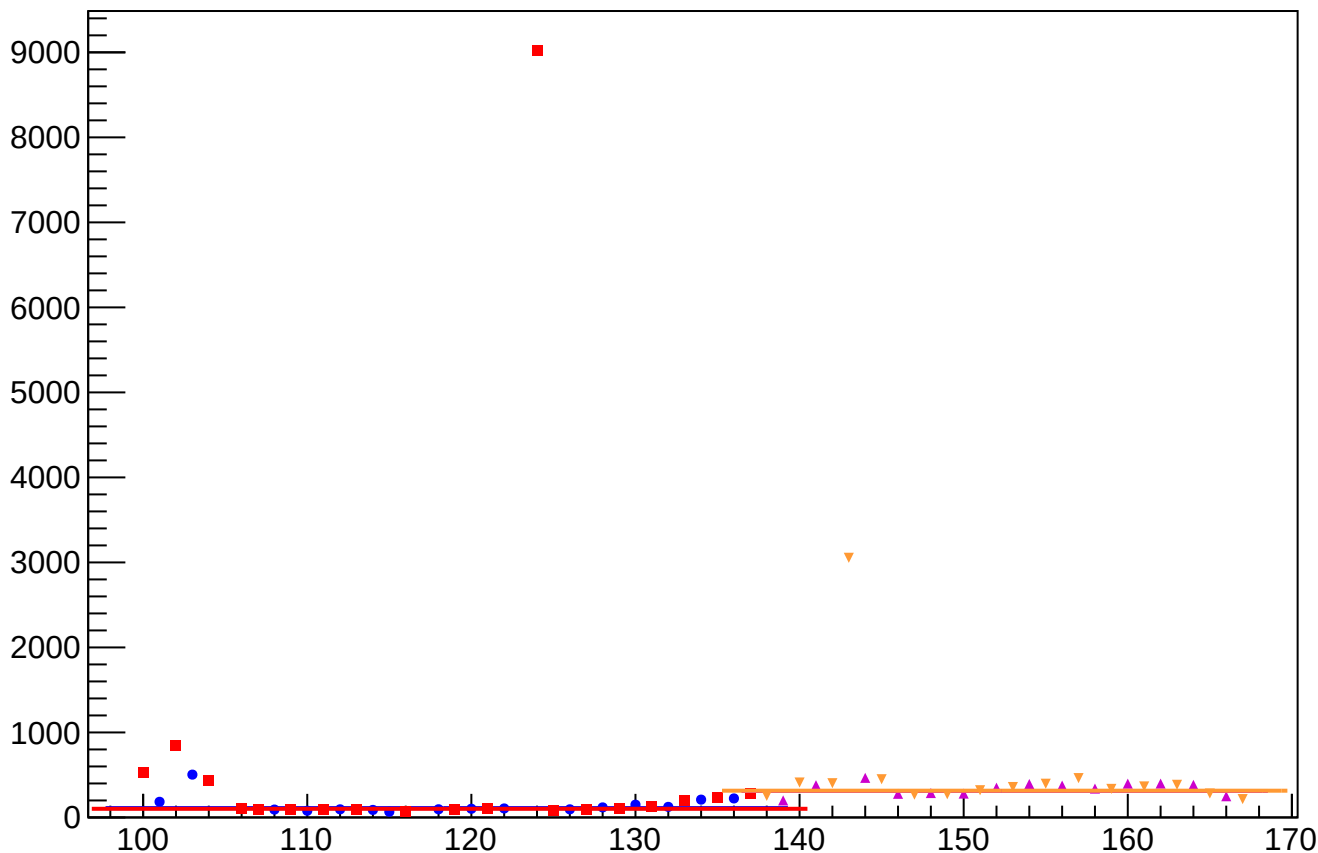
Left In: -0.066 ± 0.095 χ^2/NDF : 20.1/13

+ sign 0.024 ± 0.041 χ^2/NDF : 31.7/31

All: 0.004 ± 0.028 χ^2/NDF : 75.0/64

- sign -0.014 ± 0.039 χ^2/NDF : 42.8/32

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: 314.723 $\pm$ 0.067 χ^2 /NDF: 2462345.1/15

Right Out: 101.852 $\pm$ 0.031 χ^2 /NDF: 2589792.8/18

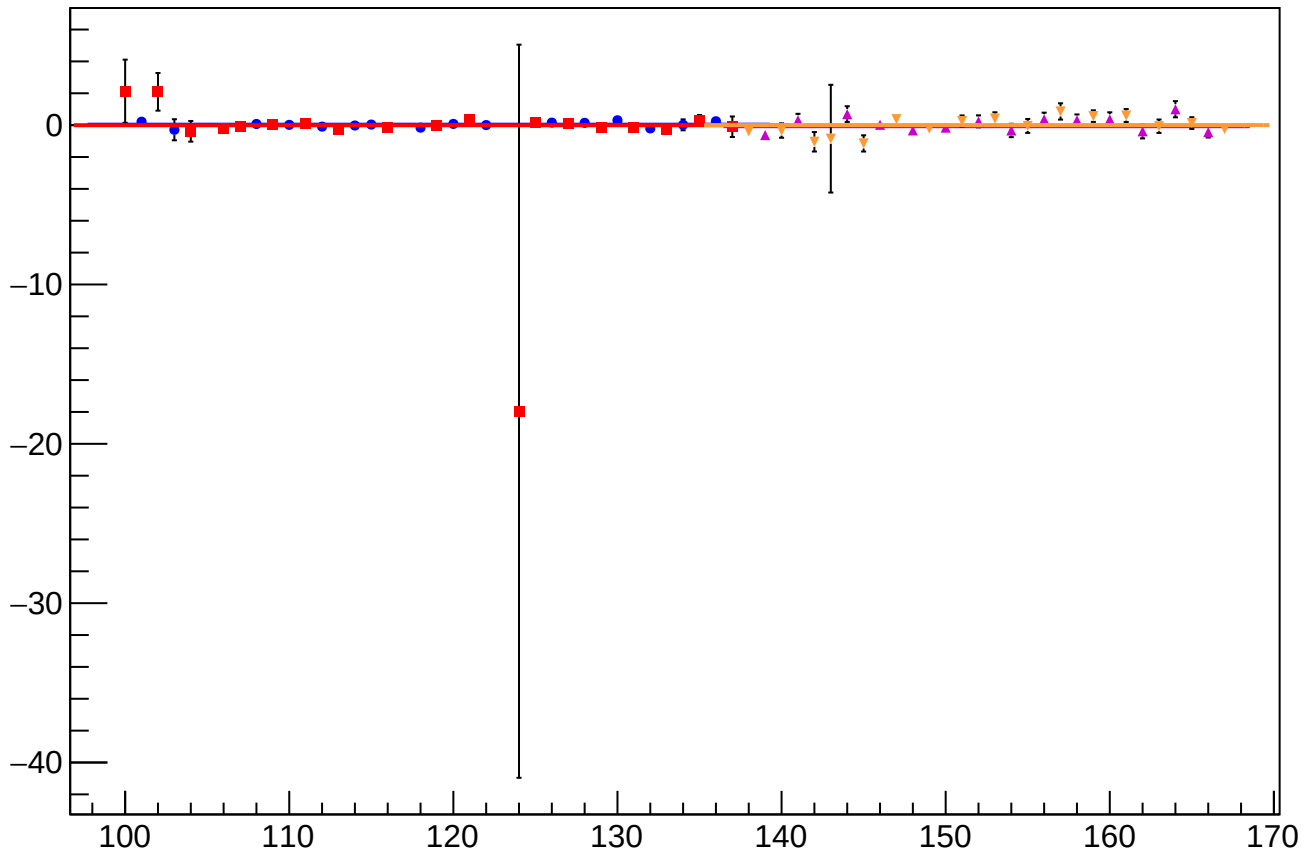
Left In: 311.293 $\pm$ 0.067 χ^2 /NDF: 1180639.0/13

+ sign 148.517 $\pm$ 0.029 χ^2 /NDF: 12080594.3/31

All: 142.941 $\pm$ 0.020 χ^2 /NDF: 23911069.5/64

- sign 137.723 $\pm$ 0.028 χ^2 /NDF: 11758211.4/32

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: 0.004 ± 0.094 χ^2/NDF : 22.8/15

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

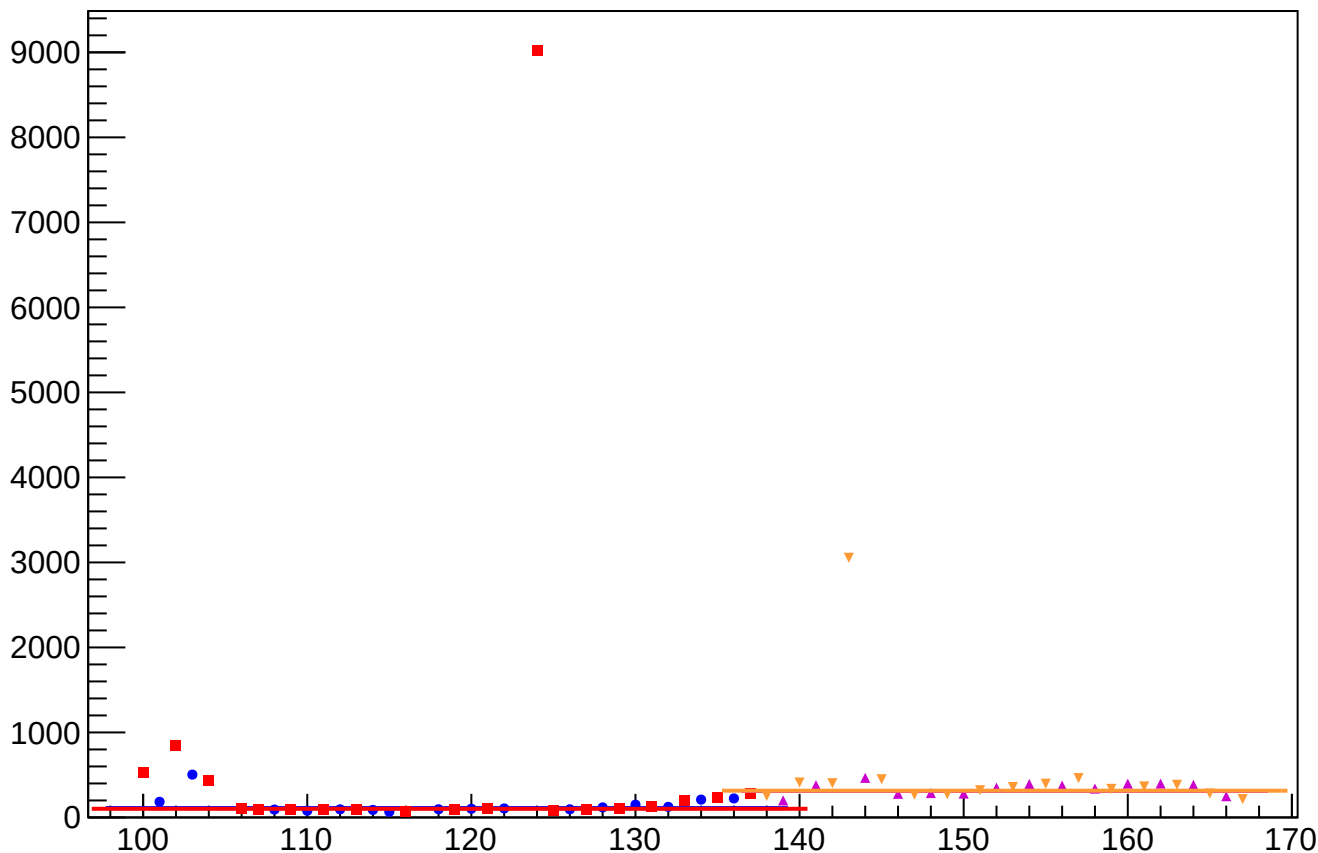
Left In: -0.066 ± 0.095 χ^2/NDF : 20.1/13

+ sign 0.024 ± 0.041 χ^2/NDF : 31.7/31

All: 0.004 ± 0.028 χ^2/NDF : 75.0/64

- sign -0.014 ± 0.039 χ^2/NDF : 42.8/32

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF : 1930558.2/15

Left Out: 314.723+/-0.067 χ^2/NDF : 2462345.1/15

Right Out: 101.852+/-0.031 χ^2/NDF : 2589792.8/18

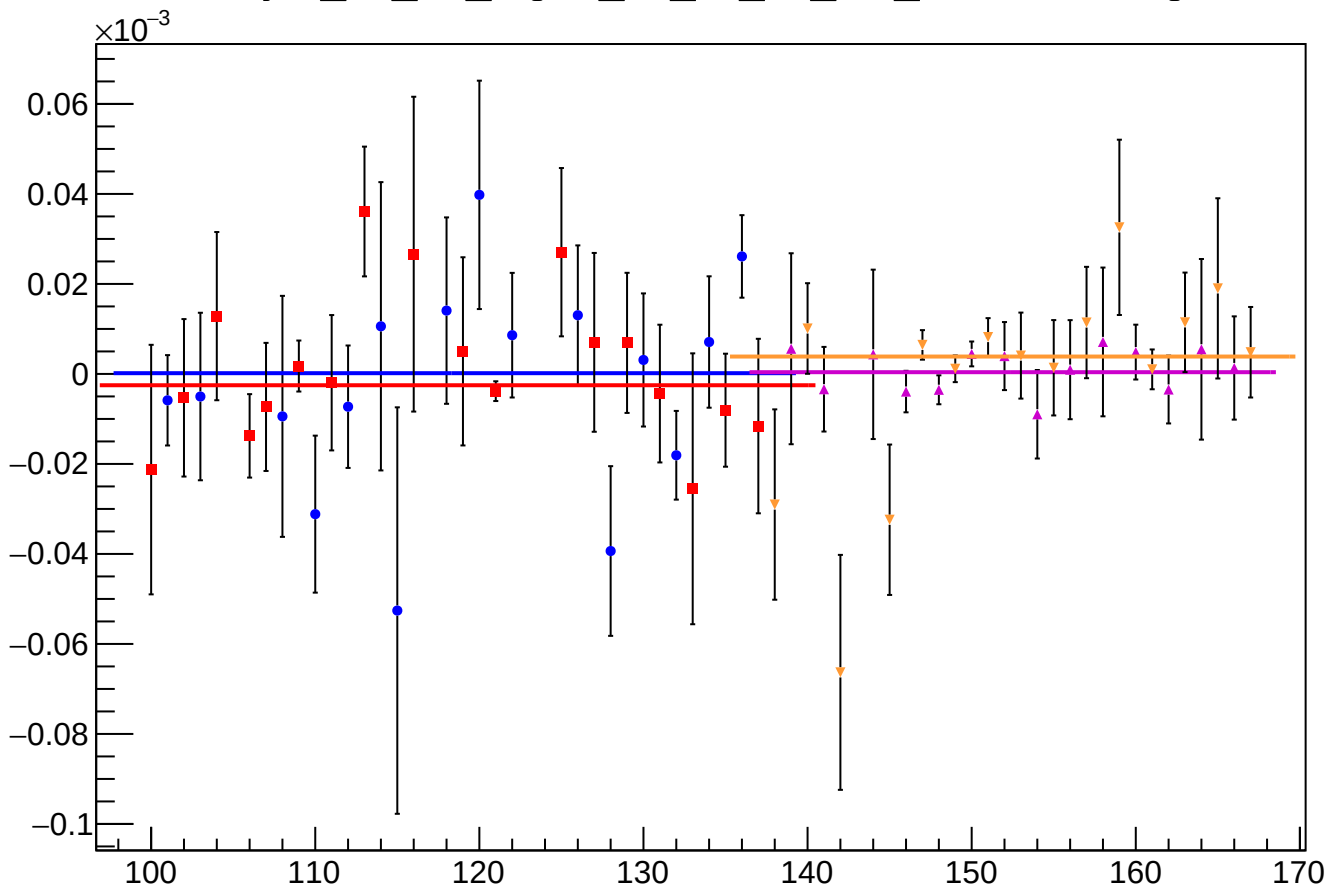
Left In: 311.293+/-0.067 χ^2/NDF : 1180639.0/13

+ sign 148.517+/-0.029 χ^2/NDF : 12080594.3/31

All: 142.941+/-0.020 χ^2/NDF : 23911069.5/64

- sign 137.723+/-0.028 χ^2/NDF : 11758211.4/32

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 25.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 21.3/14

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 15.8/17

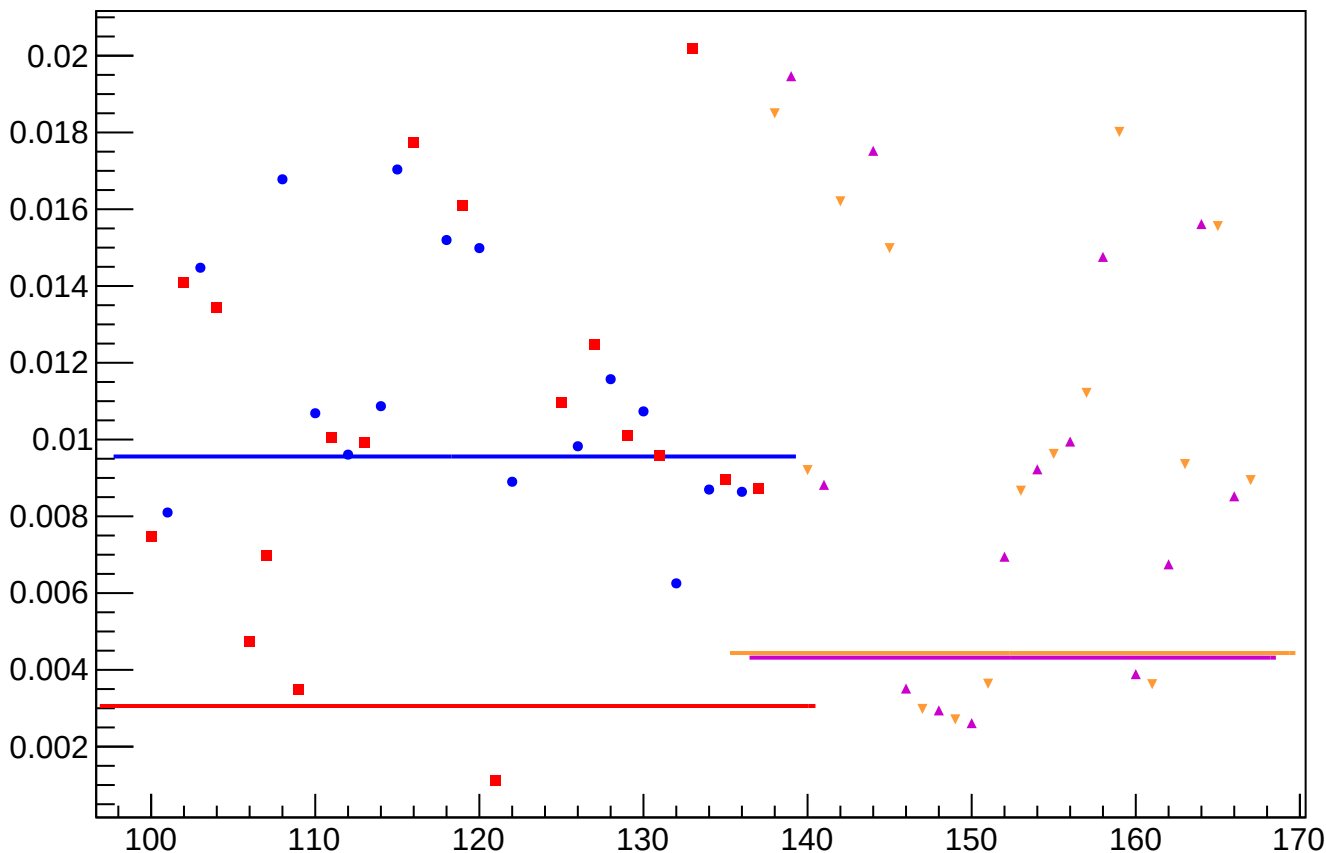
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 6.9/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 47.8/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 76.6/62

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 24.1/31

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 926018.8/15

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 7604339.8/14

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 8122378.4/17

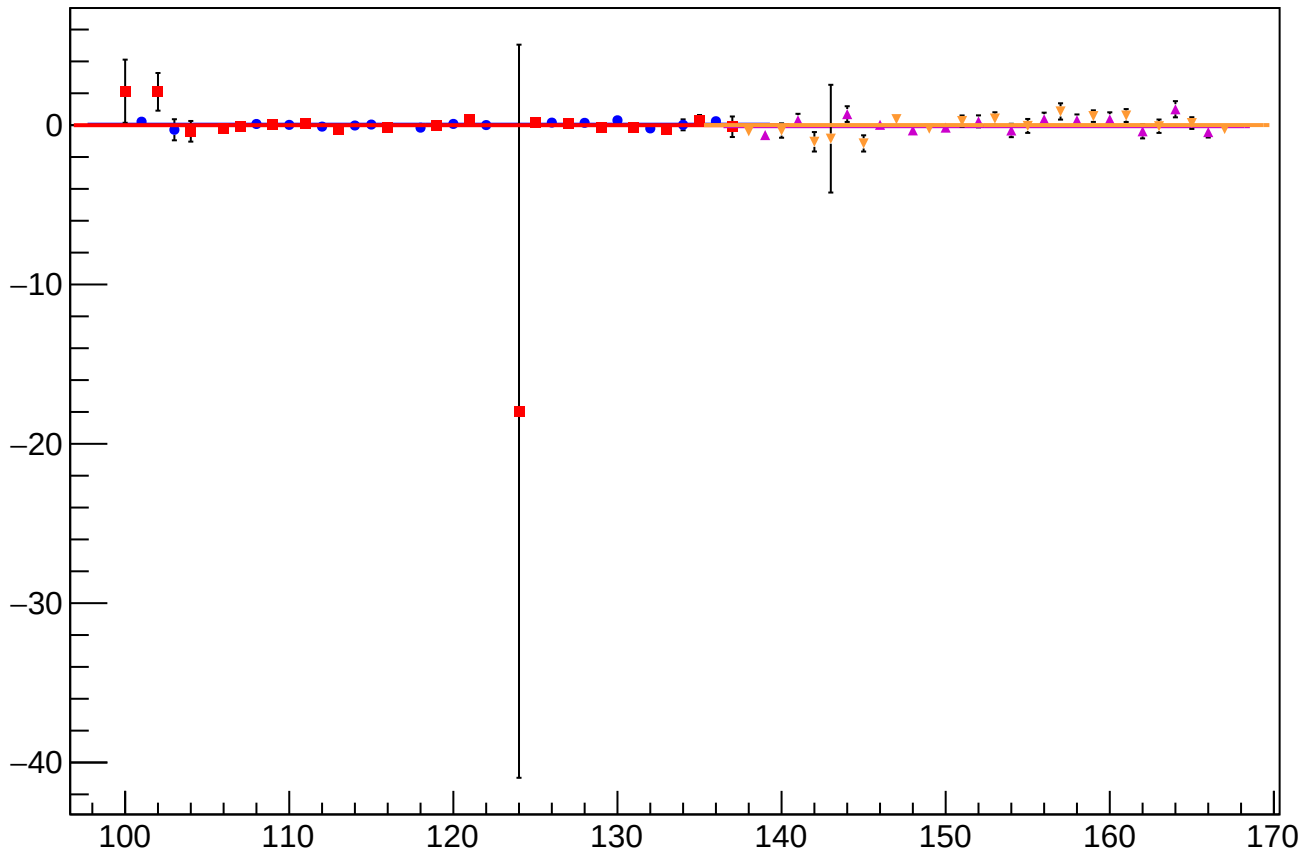
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 6832517.3/13

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 11700025.4/30

All: 0.004 $\pm$ 0.000 χ^2/NDF : 28388943.9/62

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 15489430.3/31

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: 0.004 ± 0.094 χ^2/NDF : 22.8/15

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

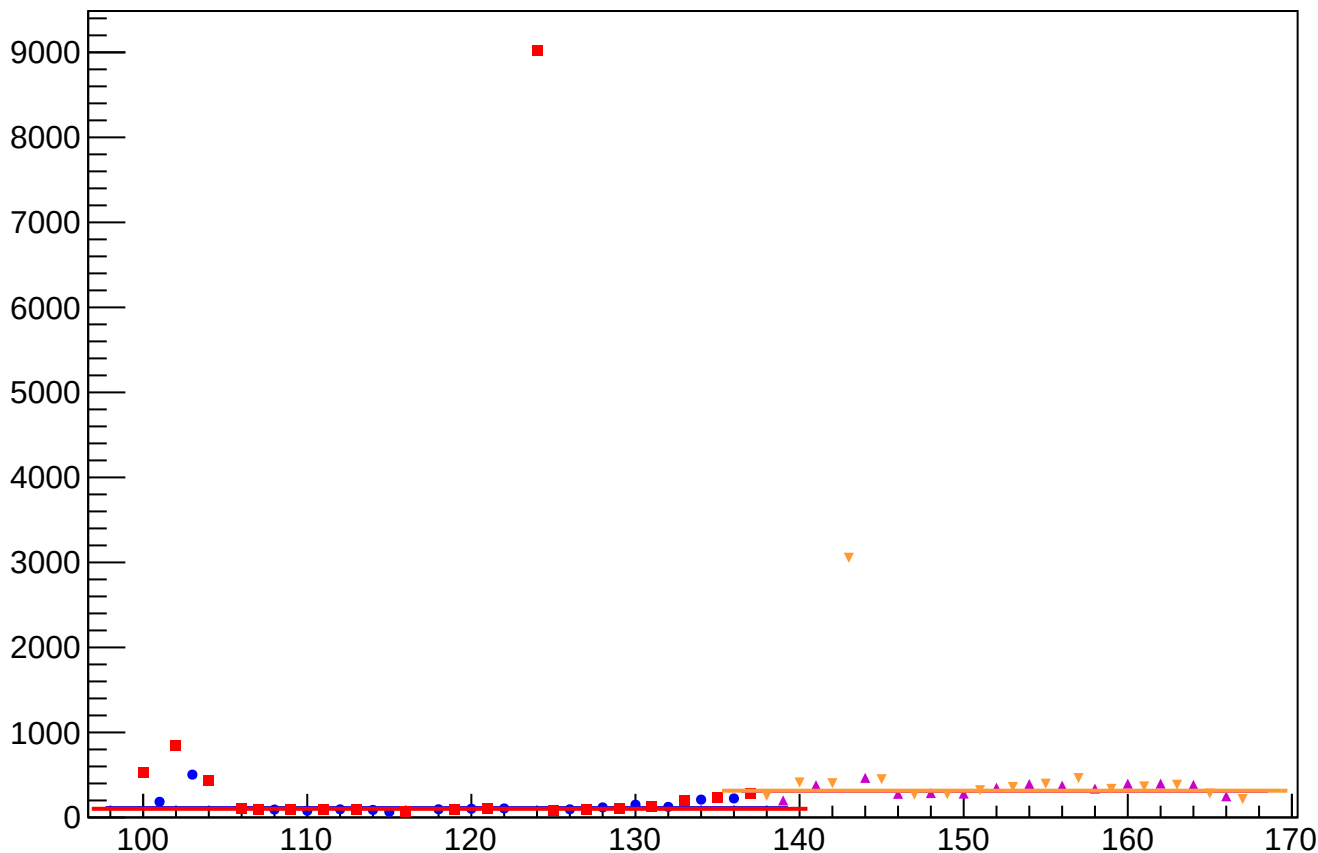
Left In: -0.066 ± 0.095 χ^2/NDF : 20.1/13

+ sign 0.024 ± 0.041 χ^2/NDF : 31.7/31

All: 0.004 ± 0.028 χ^2/NDF : 75.0/64

- sign -0.014 ± 0.039 χ^2/NDF : 42.8/32

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: 314.725 $\pm$ 0.067 χ^2 /NDF: 2462401.9/15

Right Out: 101.853 $\pm$ 0.031 χ^2 /NDF: 2589710.5/18

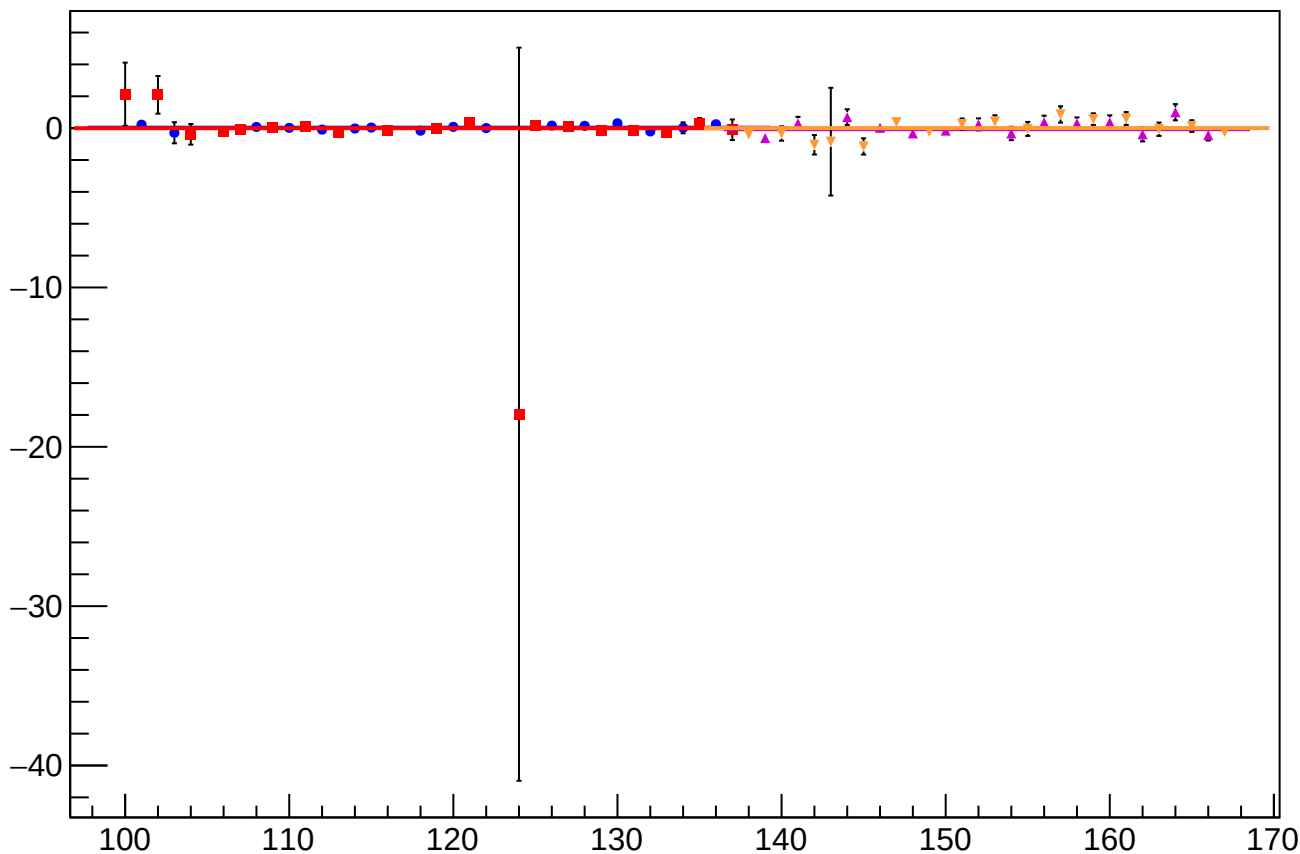
Left In: 311.297 $\pm$ 0.067 χ^2 /NDF: 1180628.8/13

+ sign 148.518 $\pm$ 0.029 χ^2 /NDF: 12080592.1/31

All: 142.942 $\pm$ 0.020 χ^2 /NDF: 23910993.9/64

- sign 137.724 $\pm$ 0.028 χ^2 /NDF: 11758145.8/32

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: 0.004 ± 0.094 χ^2/NDF : 22.8/15

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

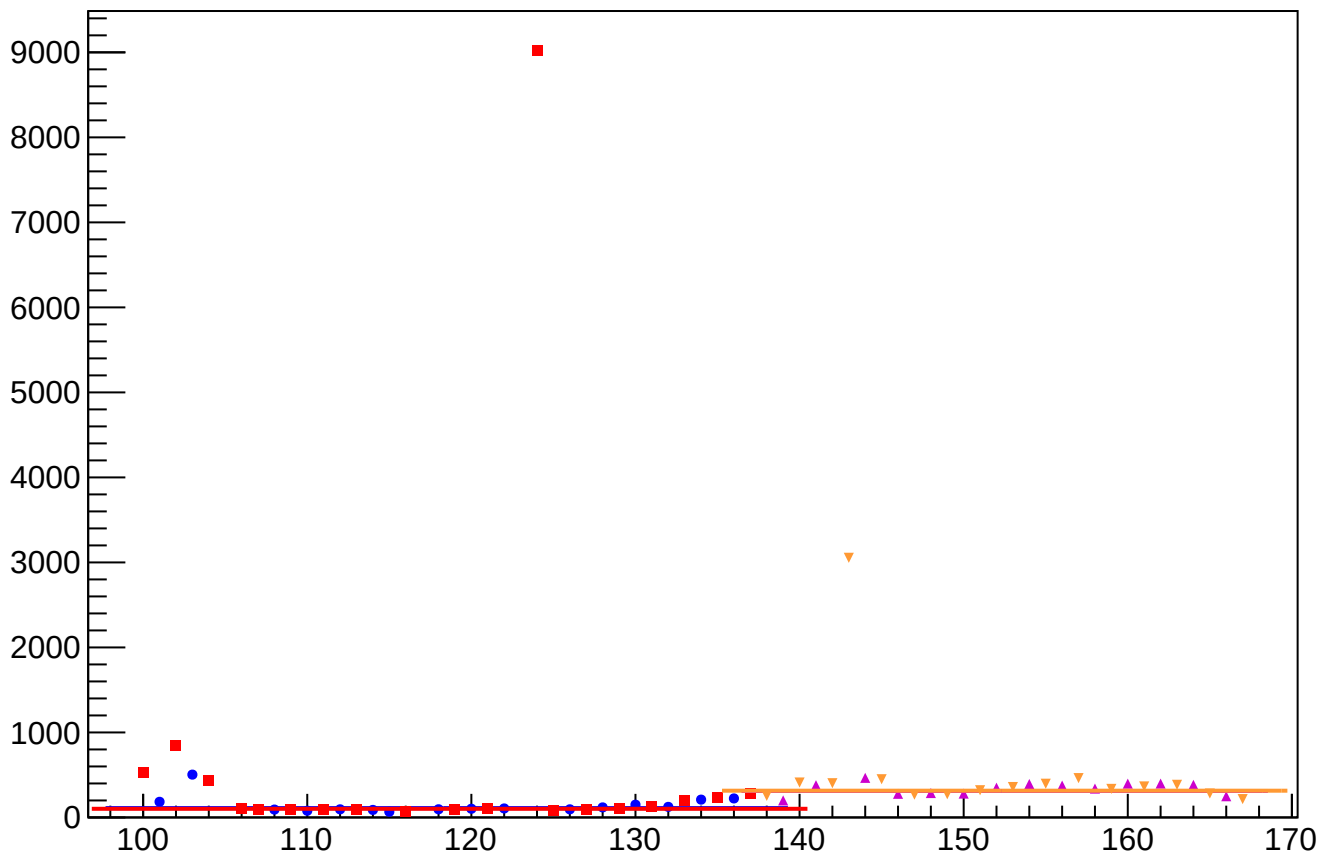
Left In: -0.066 ± 0.095 χ^2/NDF : 20.1/13

+ sign 0.024 ± 0.041 χ^2/NDF : 31.7/31

All: 0.004 ± 0.028 χ^2/NDF : 75.0/64

- sign -0.014 ± 0.039 χ^2/NDF : 42.8/32

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: 314.725 $\pm$ 0.067 χ^2 /NDF: 2462401.9/15

Right Out: 101.853 $\pm$ 0.031 χ^2 /NDF: 2589710.5/18

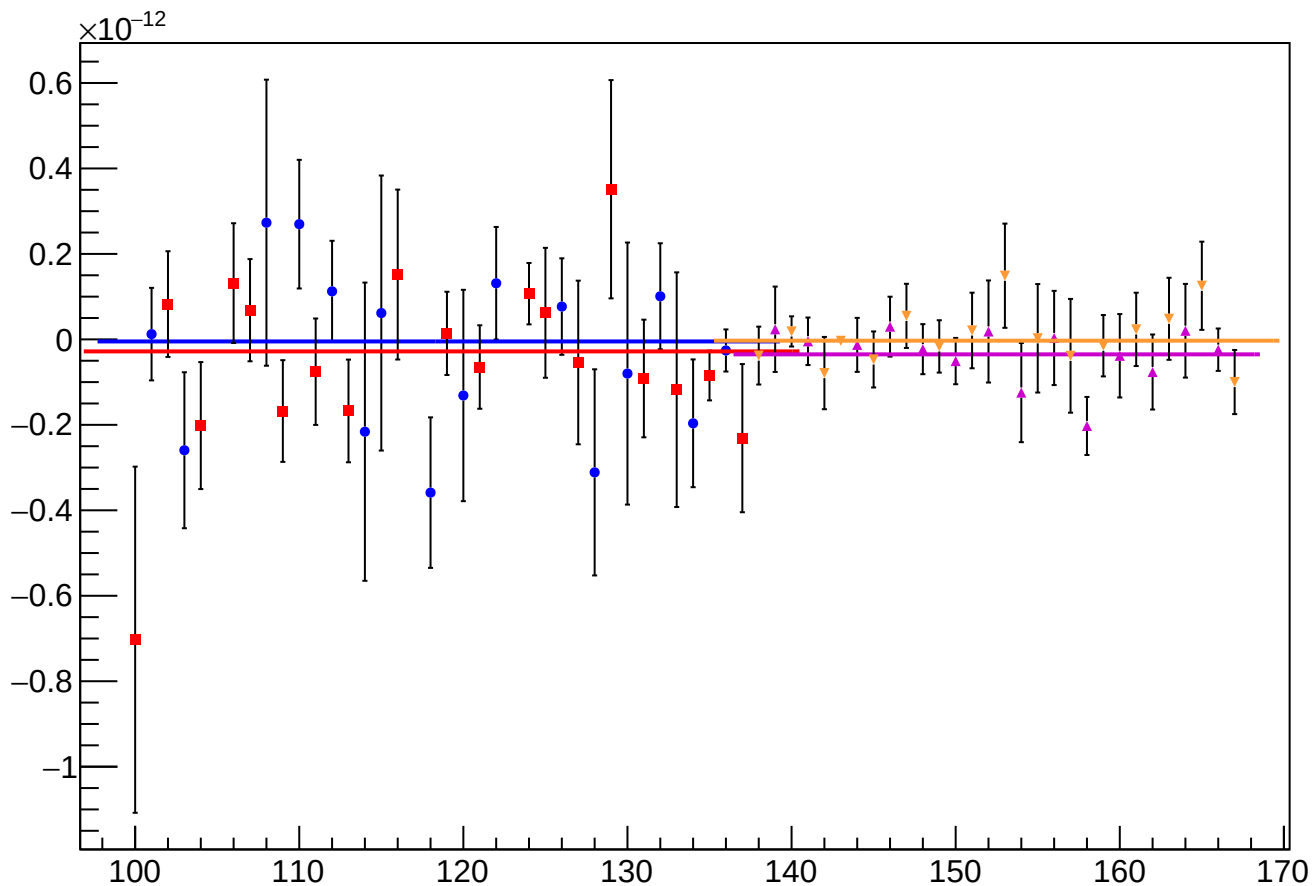
Left In: 311.297 $\pm$ 0.067 χ^2 /NDF: 1180628.8/13

+ sign 148.518 $\pm$ 0.029 χ^2 /NDF: 12080592.1/31

All: 142.942 $\pm$ 0.020 χ^2 /NDF: 23910993.9/64

- sign 137.724 $\pm$ 0.028 χ^2 /NDF: 11758145.8/32

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 17.5/15$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 7.9/15$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 19.6/18$

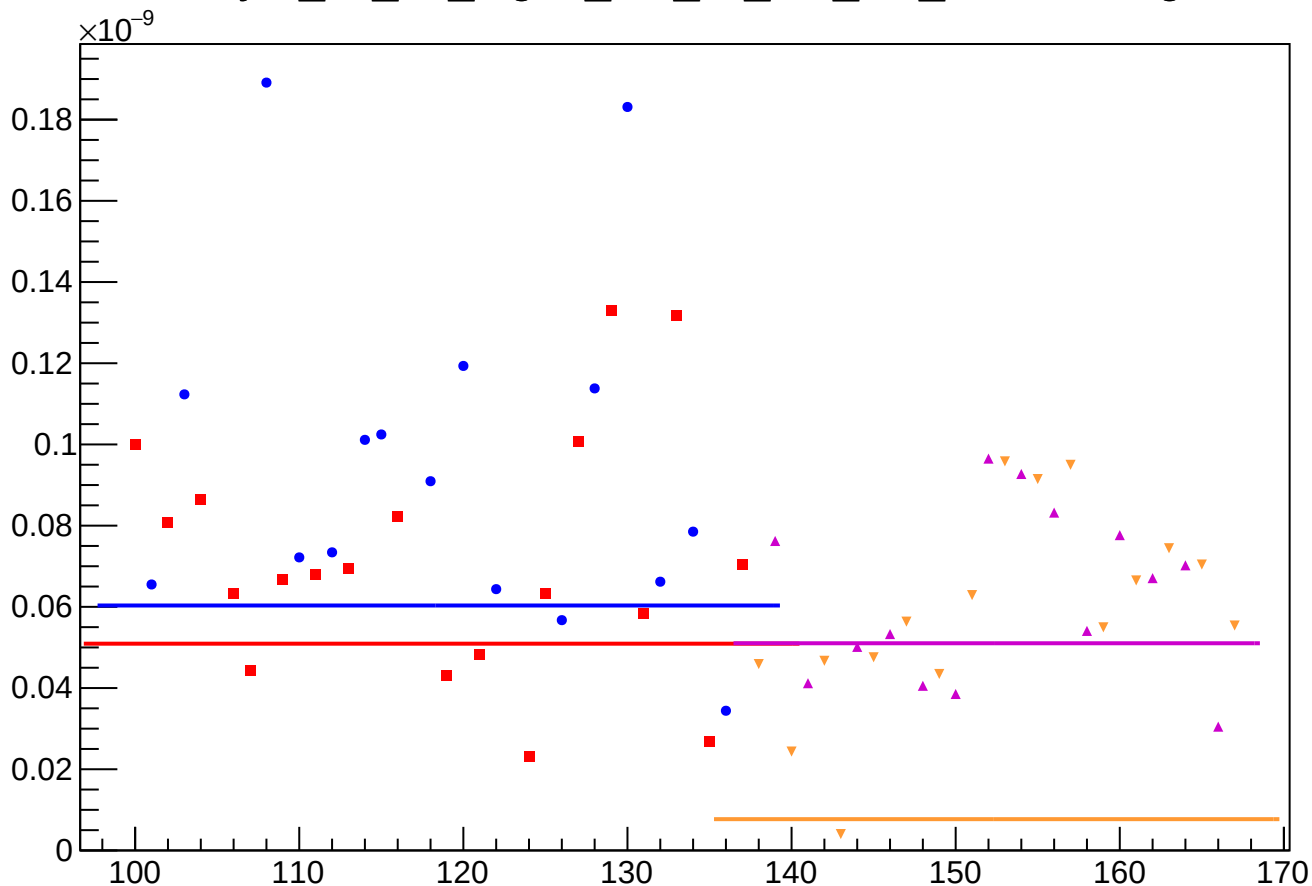
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 9.3/13$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 25.4/31$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 57.5/64$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 29.0/32$

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1746170.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12490576.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1667004.7/18

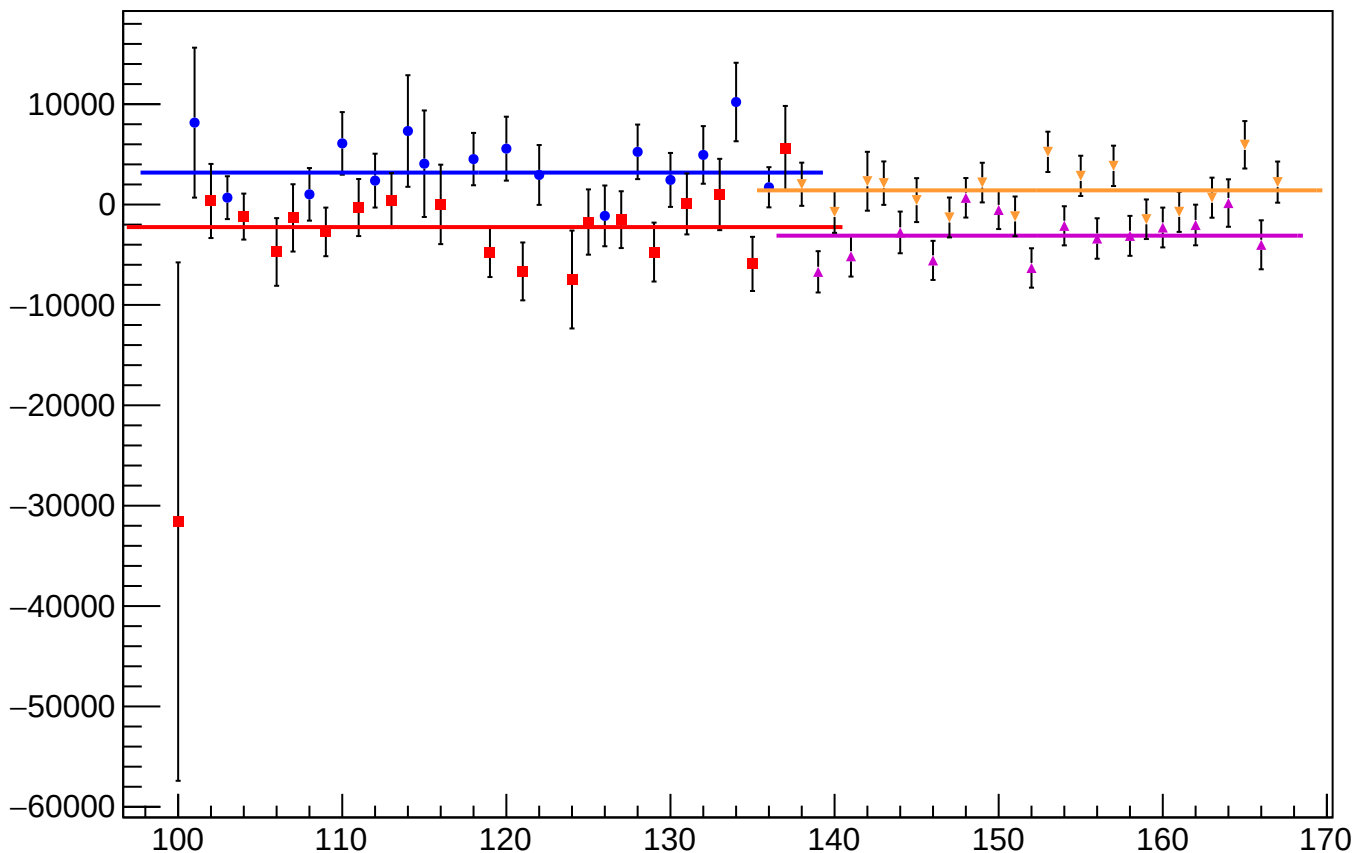
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1704986.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19576397.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35607427.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3372011.0/32

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705 $\pm$ 731.133 χ^2 /NDF: 11.7/15

Left Out: 1413.816 $\pm$ 521.876 χ^2 /NDF:18.2/15

Right Out: -2246.057 $\pm$ 710.912 χ^2 /NDF: 16.5/18

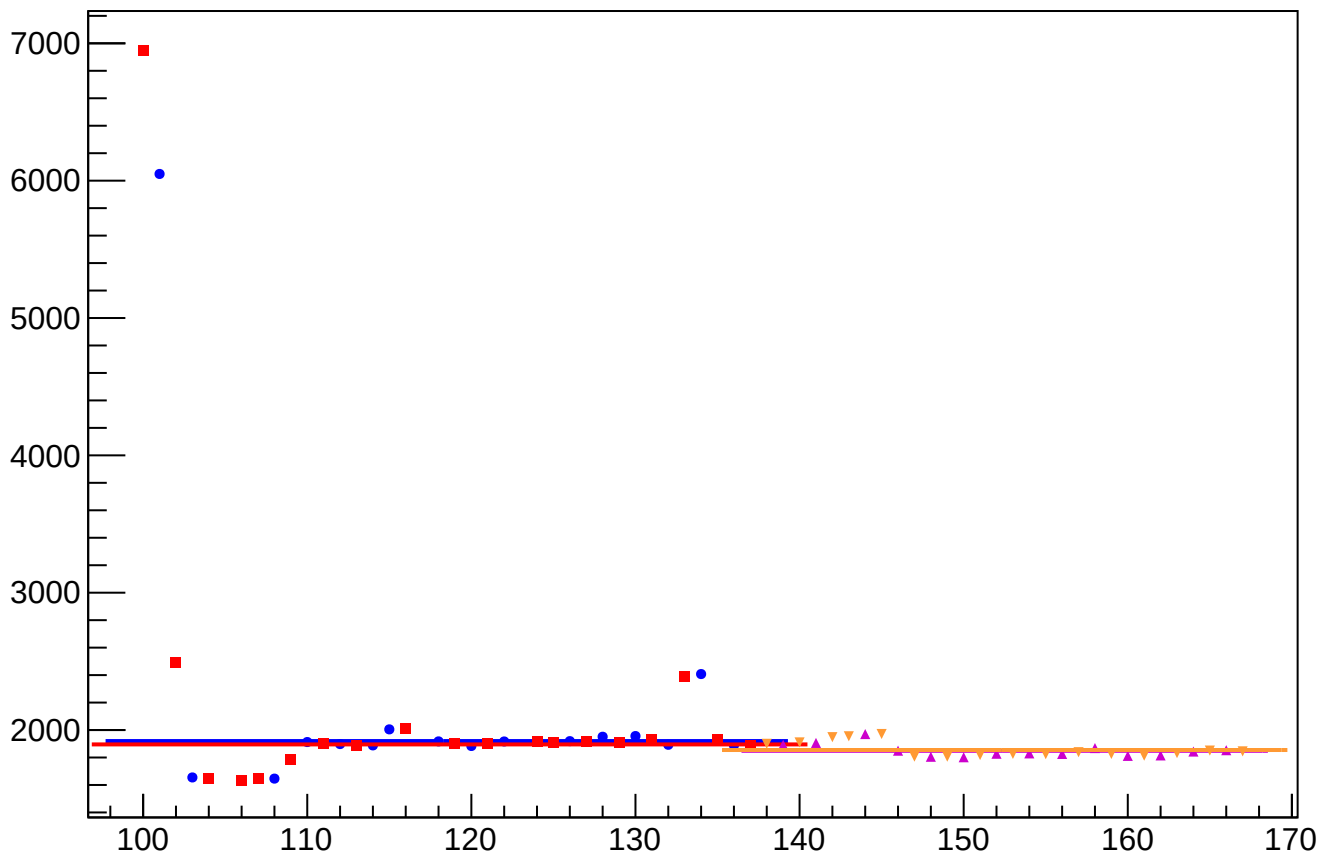
Left In: -3100.508 $\pm$ 544.212 χ^2 /NDF:16.6/13

+ sign 2011.203 $\pm$ 424.767 χ^2 /NDF: 33.7/31

All: -345.590 $\pm$ 302.926 χ^2 /NDF: 130.4/64

- sign -2784.800 $\pm$ 432.131 χ^2 /NDF: 34.0/32

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF : 697331.5/15

Left Out: 1854.601+/-0.369 χ^2/NDF : 19916.8/15

Right Out: 1895.361+/-0.501 χ^2/NDF : 222273.9/18

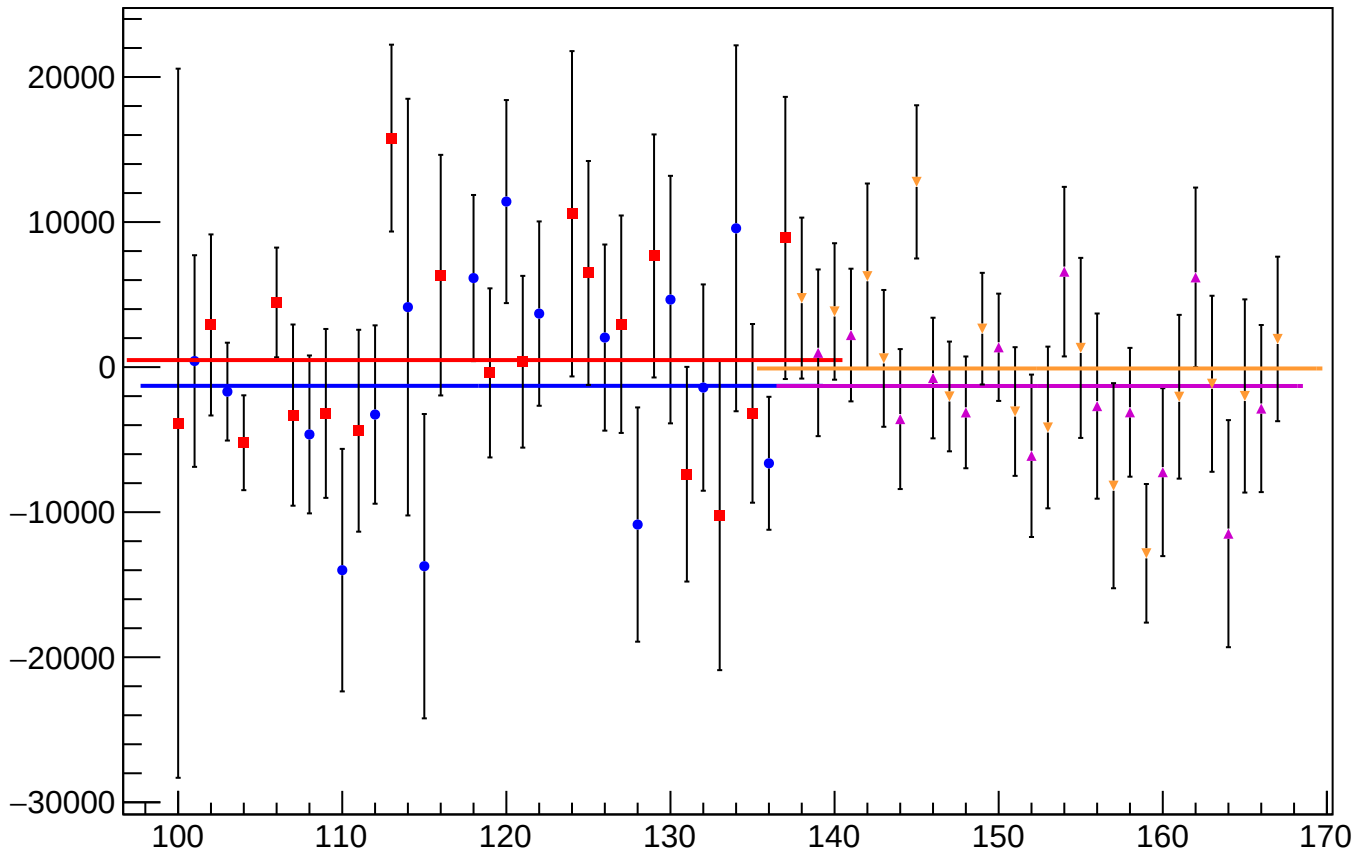
Left In: 1848.785+/-0.385 χ^2/NDF : 13717.4/13

+ sign 1876.617+/-0.300 χ^2/NDF : 727793.2/31

All: 1871.427+/-0.214 χ^2/NDF : 969827.8/64

- sign 1866.070+/-0.305 χ^2/NDF : 241427.8/32

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF : 14.3/15

Left Out: -93.619+/-1285.255 χ^2/NDF : 19.0/15

Right Out: 485.214+/-1437.465 χ^2/NDF : 17.2/18

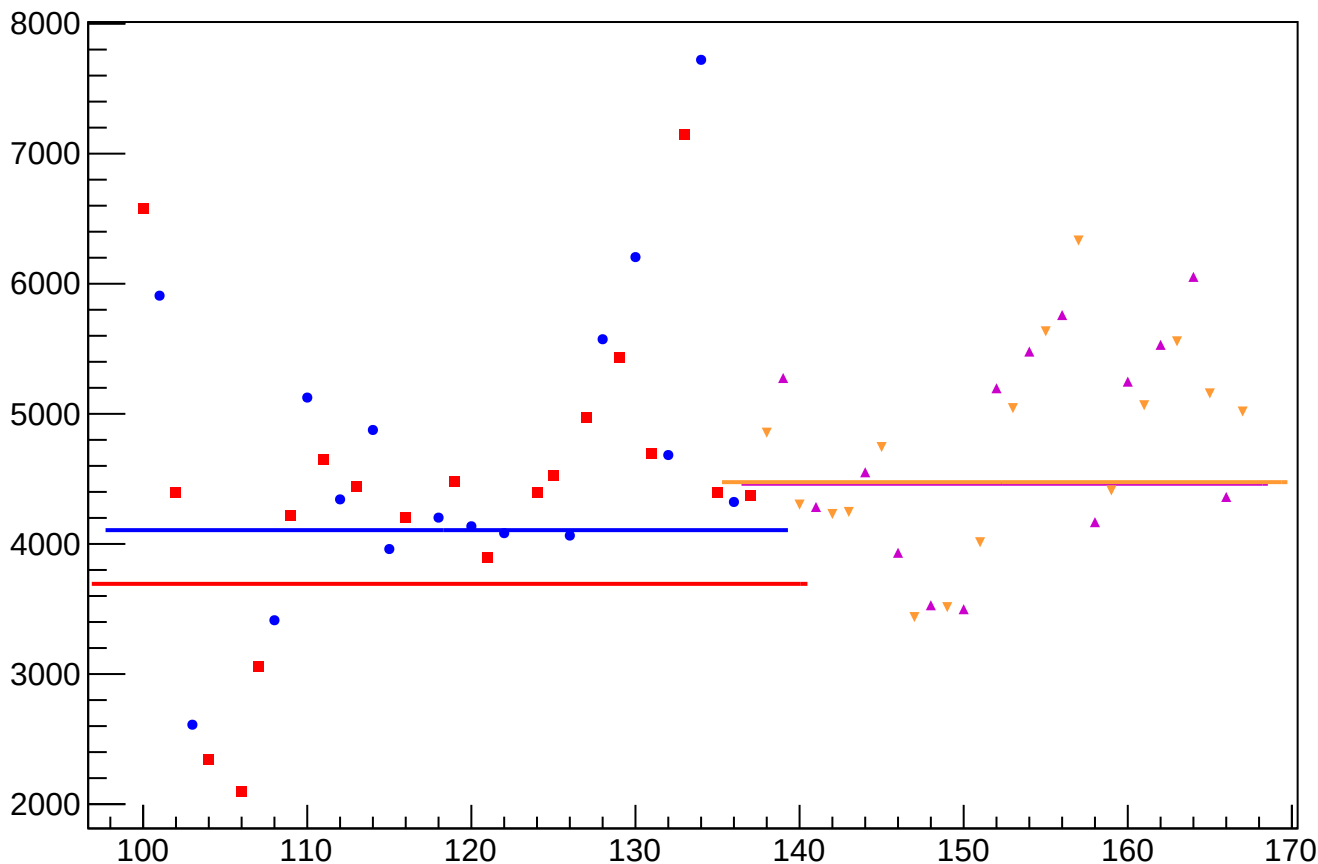
Left In: -1301.045+/-1338.368 χ^2/NDF : 8.8/13

+ sign -568.258+/-998.400 χ^2/NDF : 33.6/31

All: -519.008+/-699.209 χ^2/NDF : 60.5/64

- sign -471.603+/-979.530 χ^2/NDF : 26.9/32

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2 /NDF: 956130.4/15

Left Out: 4475.018+/-0.909 χ^2 /NDF: 675536.3/15

Right Out: 3693.266+/-1.016 χ^2 /NDF: 1356643.3/18

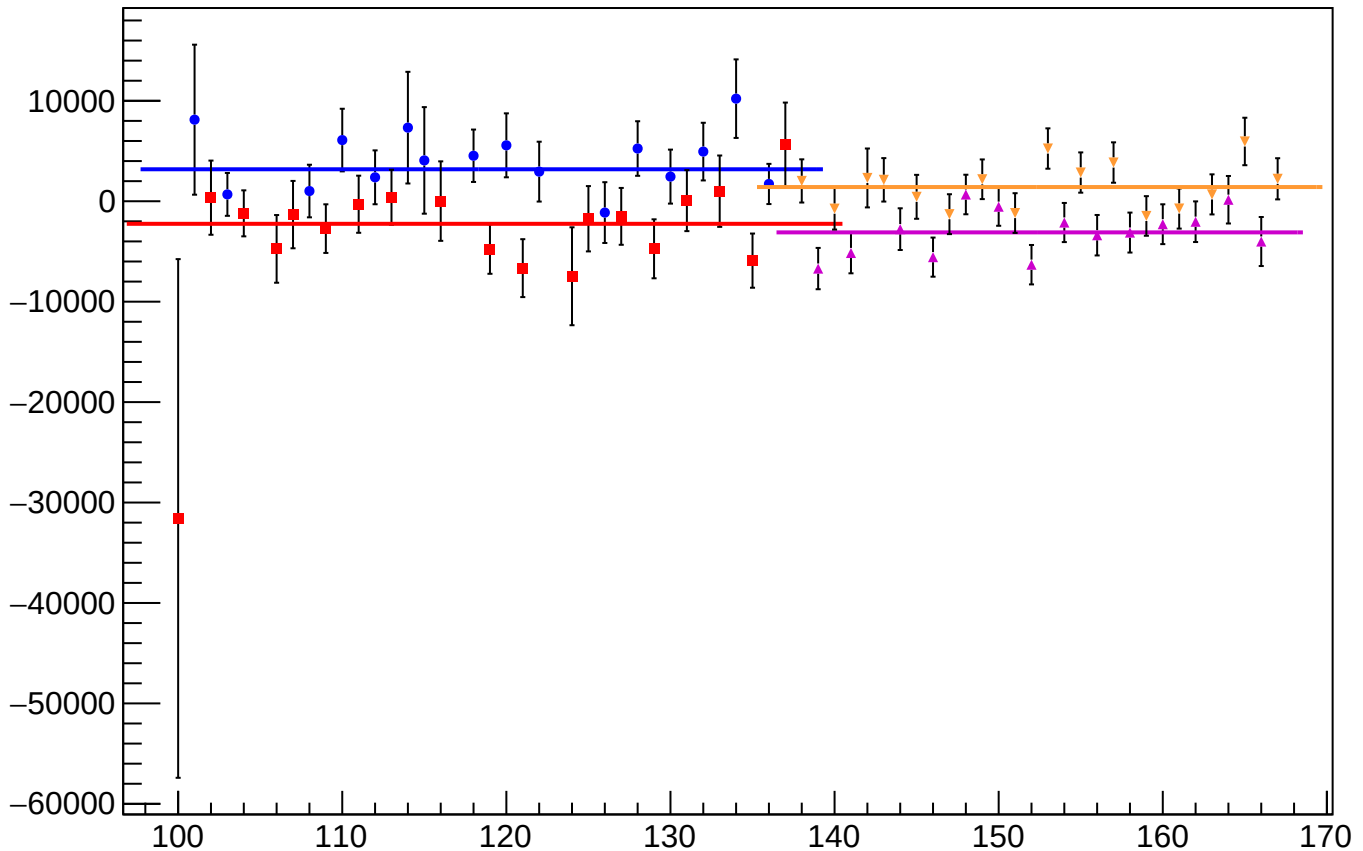
Left In: 4462.686+/-0.946 χ^2 /NDF: 695458.0/13

+ sign 4328.735+/-0.706 χ^2 /NDF: 1696999.0/31

All: 4214.942+/-0.494 χ^2 /NDF: 4107024.2/64

- sign 4105.409+/-0.693 χ^2 /NDF: 2359036.6/32

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973 ± 731.133 χ^2/NDF : 11.7/15

Left Out: 1413.715 ± 521.876 χ^2/NDF : 18.2/15

Right Out: -2247.193 ± 710.916 χ^2/NDF : 16.5/18

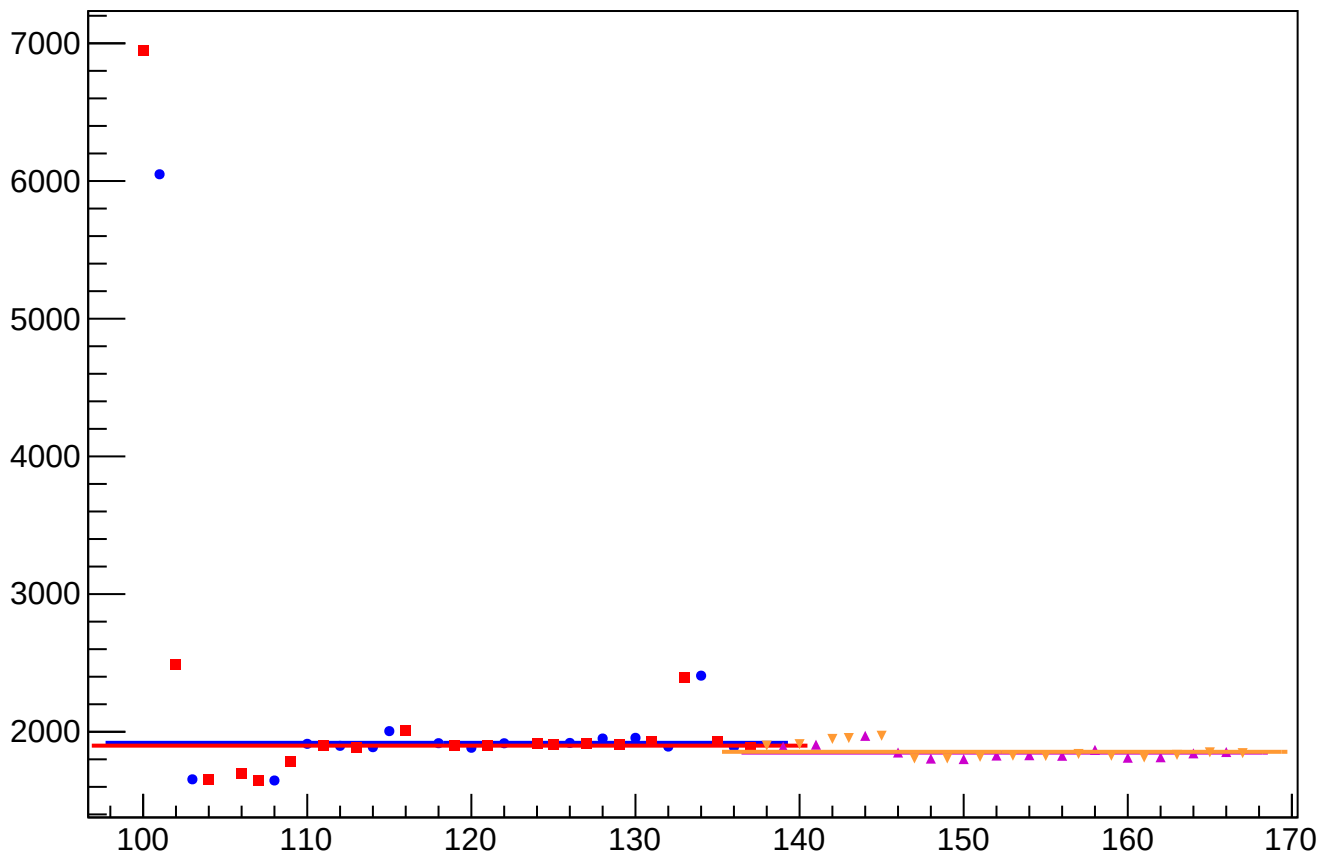
Left In: -3100.542 ± 544.212 χ^2/NDF : 16.6/13

+ sign 2010.888 ± 424.767 χ^2/NDF : 33.7/31

All: -345.963 ± 302.926 χ^2/NDF : 130.4/64

- sign -2785.243 ± 432.132 χ^2/NDF : 34.1/32

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827 $\pm$ 0.517 χ^2 /NDF: 697330.6/15

Left Out: 1854.602 $\pm$ 0.369 χ^2 /NDF:19916.8/15

Right Out: 1899.364 $\pm$ 0.502 χ^2 /NDF: 215654.1/18

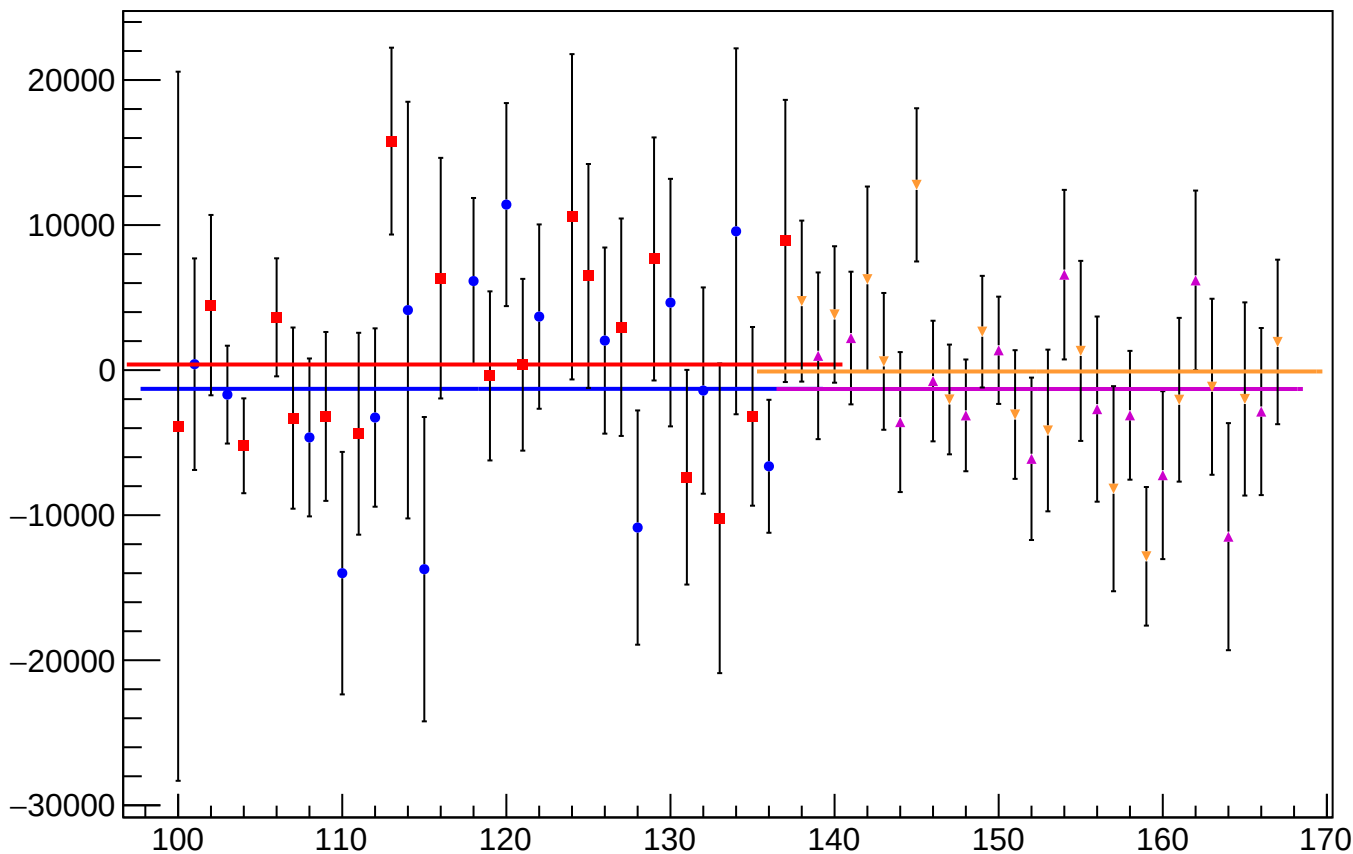
Left In: 1848.785 $\pm$ 0.385 χ^2 /NDF:13717.4/13

+ sign 1876.617 $\pm$ 0.300 χ^2 /NDF: 727792.5/31

All: 1872.139 $\pm$ 0.214 χ^2 /NDF: 964011.7/64

- sign 1867.511 $\pm$ 0.305 χ^2 /NDF: 235767.3/32

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862 ± 1585.435 χ^2/NDF : 14.3/15

Left Out: -93.618 ± 1285.252 χ^2/NDF : 19.0/15

Right Out: 387.626 ± 1451.530 χ^2/NDF : 17.0/18

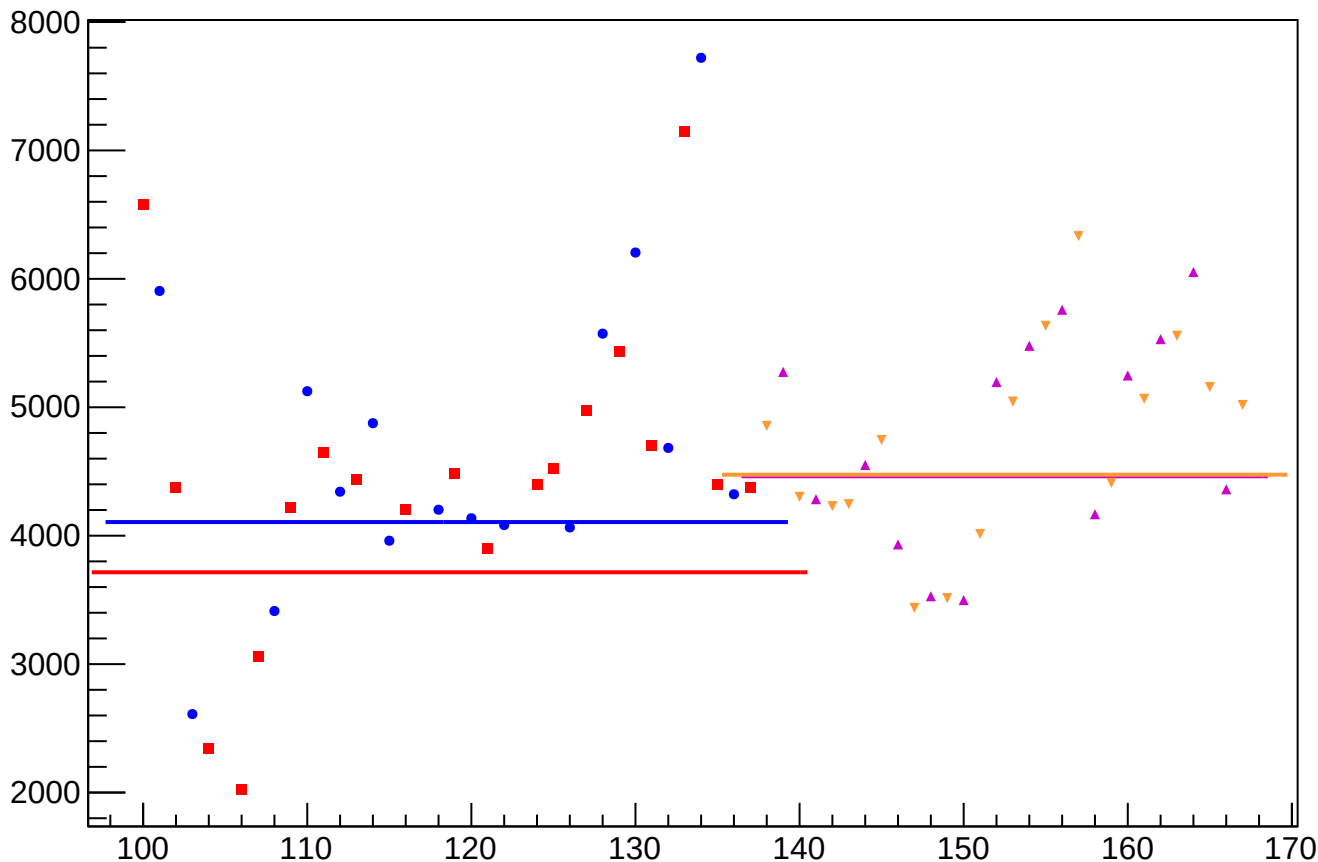
Left In: -1301.083 ± 1338.369 χ^2/NDF : 8.8/13

+ sign -568.401 ± 998.400 χ^2/NDF : 33.6/31

All: -546.441 ± 700.809 χ^2/NDF : 60.1/64

- sign -525.112 ± 983.946 χ^2/NDF : 26.5/32

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF : 955631.2/15

Left Out: 4475.006+/-0.909 χ^2/NDF : 675551.1/15

Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

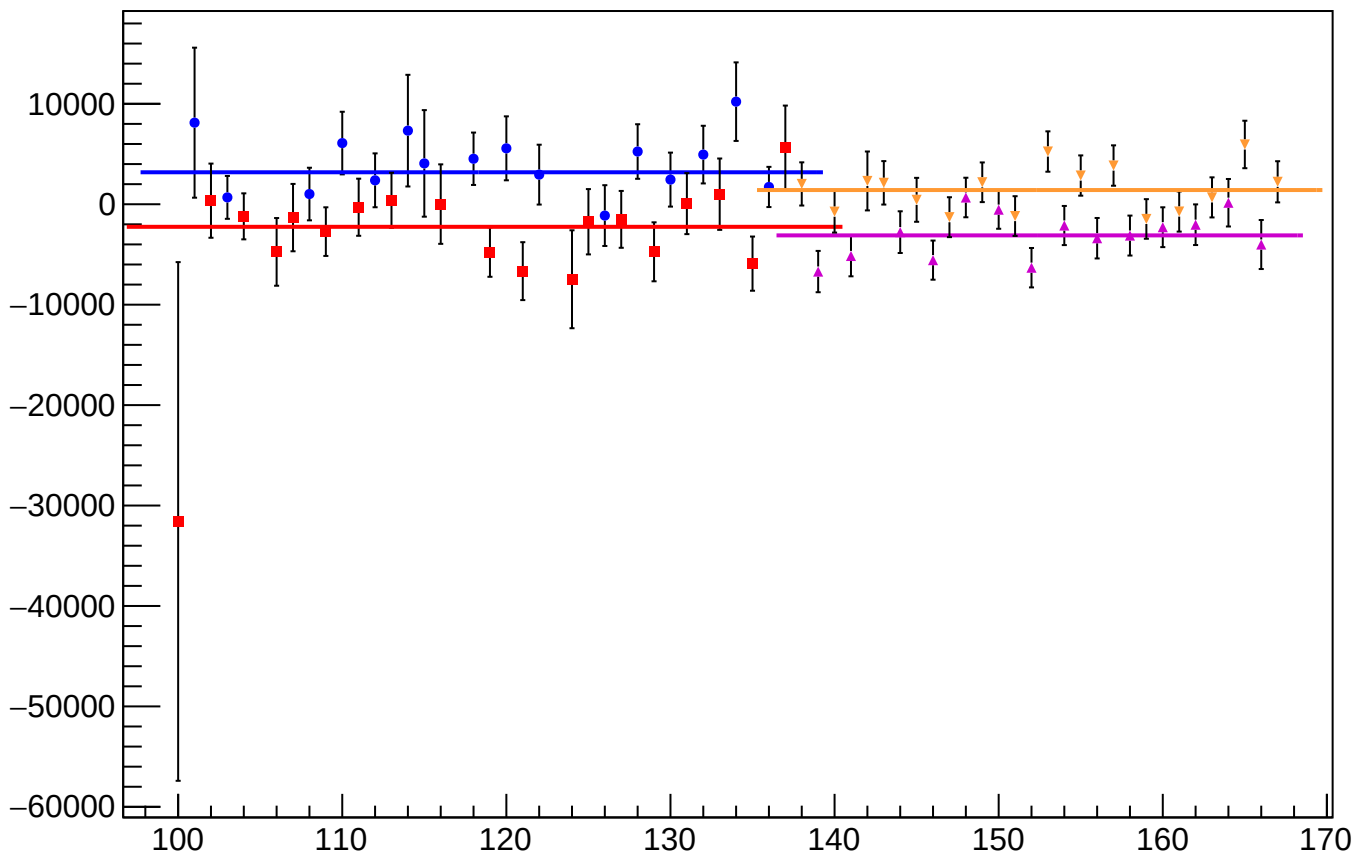
Left In: 4462.689+/-0.946 χ^2/NDF : 695452.2/13

+ sign 4328.765+/-0.706 χ^2/NDF : 1696477.4/31

All: 4222.462+/-0.496 χ^2/NDF : 4058390.7/64

- sign 4119.215+/-0.696 χ^2/NDF : 2317218.9/32

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF : 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF : 18.2/15

Right Out: -2247.193+/-710.916 χ^2/NDF : 16.5/18

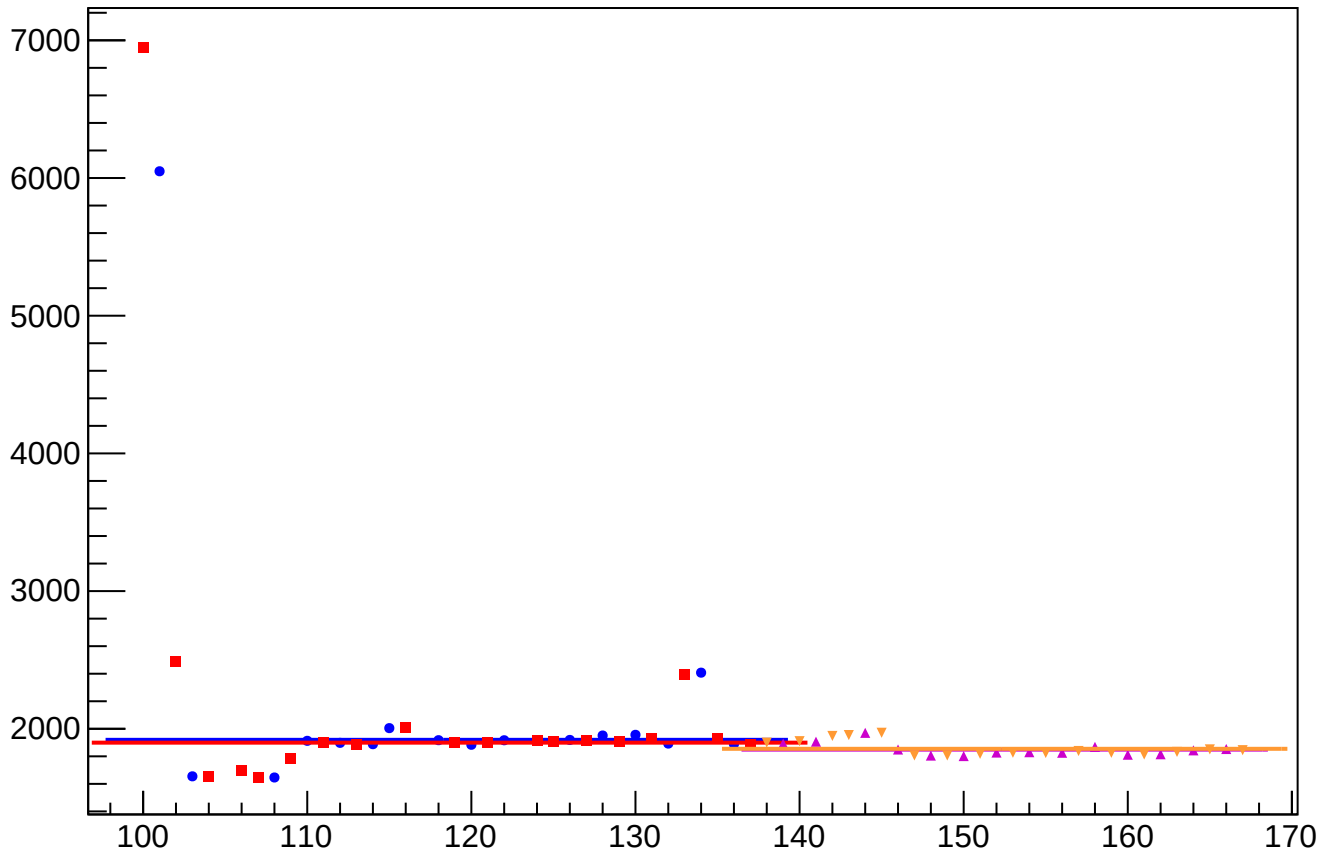
Left In: -3100.542+/-544.212 χ^2/NDF : 16.6/13

+ sign 2010.888+/-424.767 χ^2/NDF : 33.7/31

All: -345.963+/-302.926 χ^2/NDF : 130.4/64

- sign -2785.243+/-432.132 χ^2/NDF : 34.1/32

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF : 697330.6/15

Left Out: 1854.602+/-0.369 χ^2/NDF : 19916.8/15

Right Out: 1899.364+/-0.502 χ^2/NDF : 215654.1/18

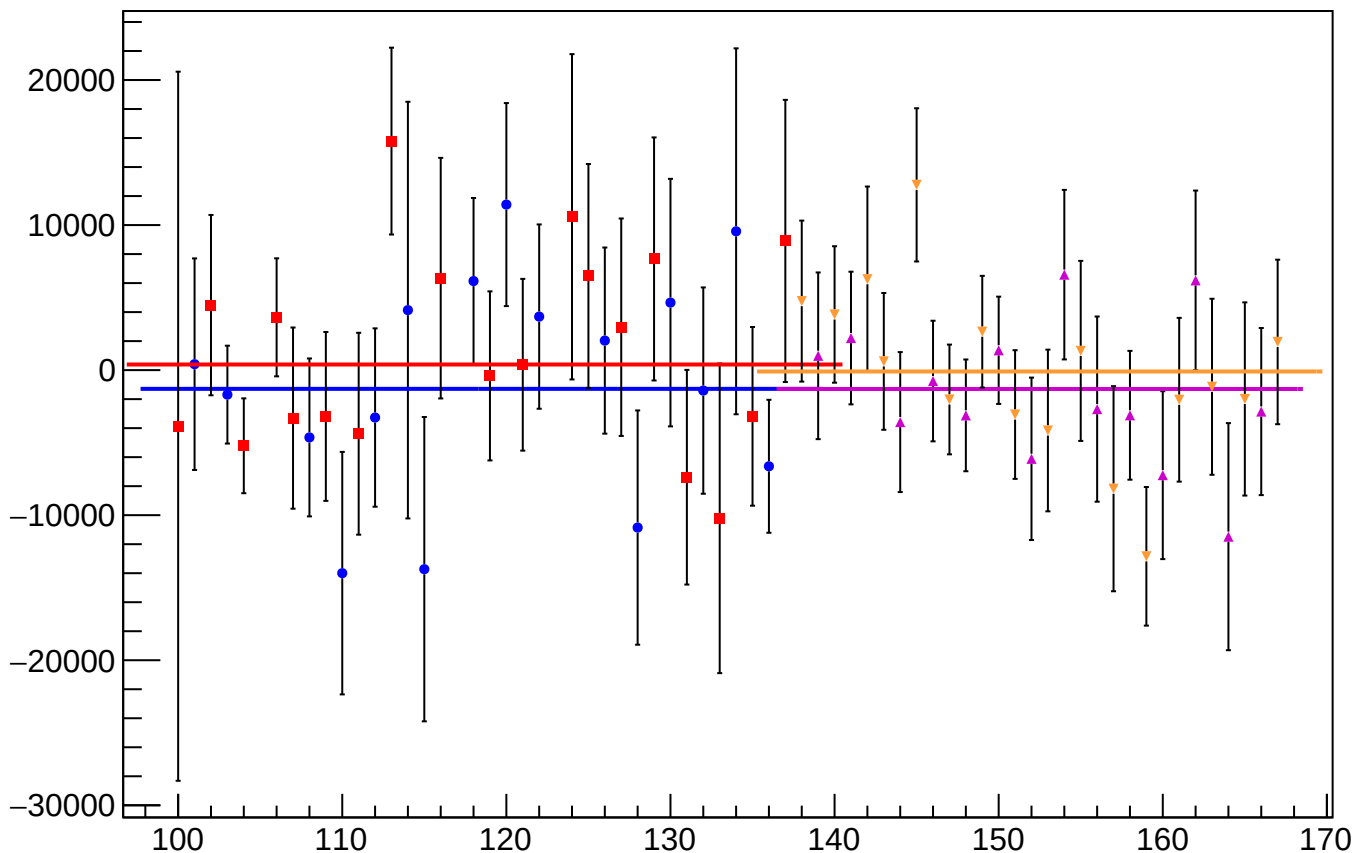
Left In: 1848.785+/-0.385 χ^2/NDF : 13717.4/13

+ sign 1876.617+/-0.300 χ^2/NDF : 727792.5/31

All: 1872.139+/-0.214 χ^2/NDF : 964011.7/64

- sign 1867.511+/-0.305 χ^2/NDF : 235767.3/32

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862 ± 1585.435 χ^2/NDF : 14.3/15

Left Out: -93.618 ± 1285.252 χ^2/NDF : 19.0/15

Right Out: 387.626 ± 1451.530 χ^2/NDF : 17.0/18

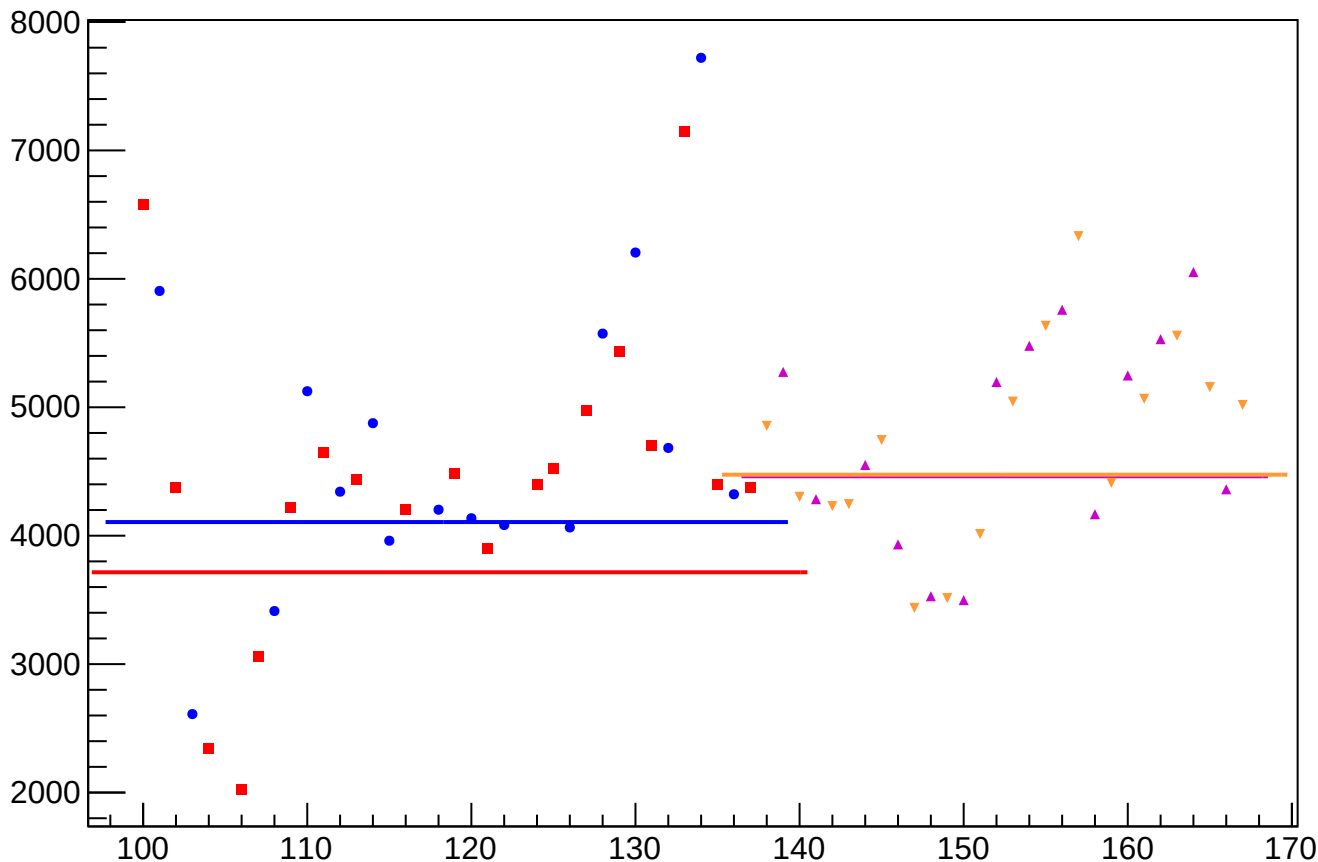
Left In: -1301.083 ± 1338.369 χ^2/NDF : 8.8/13

+ sign -568.401 ± 998.400 χ^2/NDF : 33.6/31

All: -546.441 ± 700.809 χ^2/NDF : 60.1/64

- sign -525.112 ± 983.946 χ^2/NDF : 26.5/32

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF : 955631.2/15

Left Out: 4475.006+/-0.909 χ^2/NDF : 675551.1/15

Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

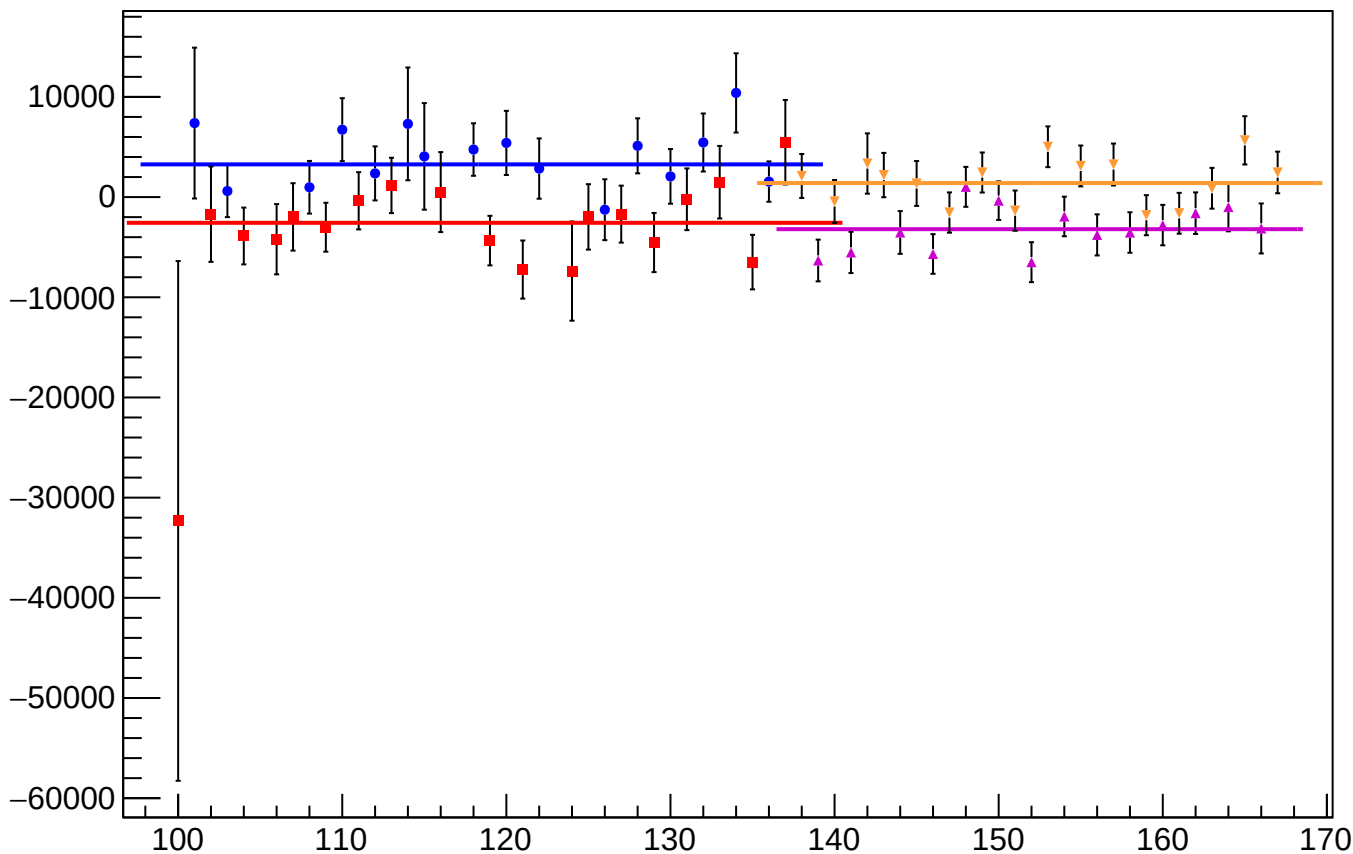
Left In: 4462.689+/-0.946 χ^2/NDF : 695452.2/13

+ sign 4328.765+/-0.706 χ^2/NDF : 1696477.4/31

All: 4222.462+/-0.496 χ^2/NDF : 4058390.7/64

- sign 4119.215+/-0.696 χ^2/NDF : 2317218.9/32

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639 $\pm$ 750.865 χ^2/NDF : 12.2/15

Left Out: 1400.674 $\pm$ 531.975 χ^2/NDF : 18.6/15

Right Out: -2566.683 $\pm$ 734.876 χ^2/NDF : 17.0/18

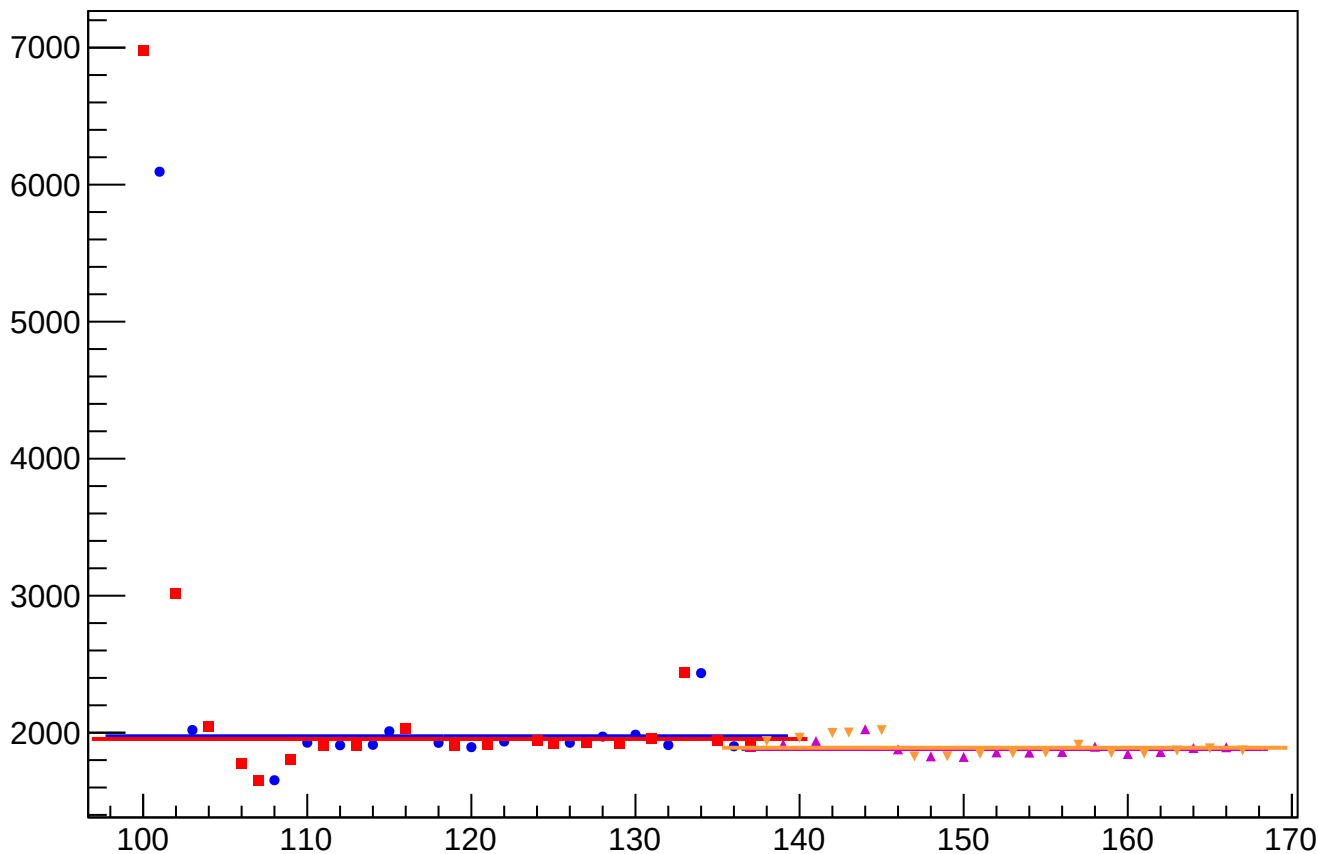
Left In: -3202.652 $\pm$ 553.723 χ^2/NDF : 16.5/13

+ sign 2023.608 $\pm$ 434.074 χ^2/NDF : 34.8/31

All: -427.838 $\pm$ 309.782 χ^2/NDF : 133.8/64

- sign -2972.340 $\pm$ 442.236 χ^2/NDF : 34.0/32

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF : 665124.2/15

Left Out: 1890.182+/-0.376 χ^2/NDF : 25794.2/15

Right Out: 1954.339+/-0.519 χ^2/NDF : 246211.3/18

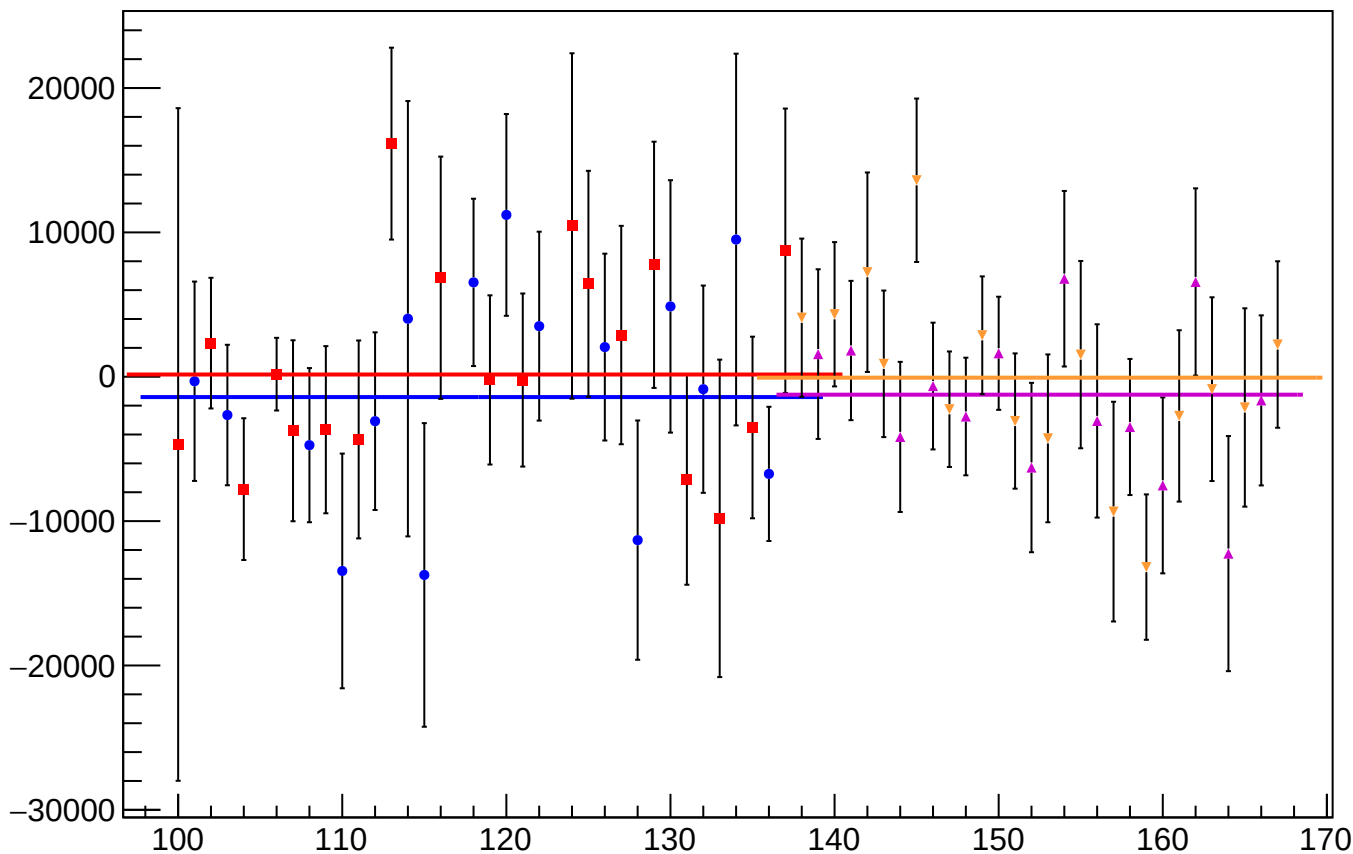
Left In: 1880.921+/-0.392 χ^2/NDF : 16531.8/13

+ sign 1918.110+/-0.307 χ^2/NDF : 707411.9/31

All: 1912.921+/-0.219 χ^2/NDF : 983484.6/64

- sign 1907.538+/-0.313 χ^2/NDF : 275490.5/32

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382 ± 1689.989 $\chi^2/\text{NDF}: 14.2/15$

Left Out: -62.832 ± 1352.384 $\chi^2/\text{NDF}: 18.9/15$

Right Out: 155.271 ± 1363.642 $\chi^2/\text{NDF}: 15.8/18$

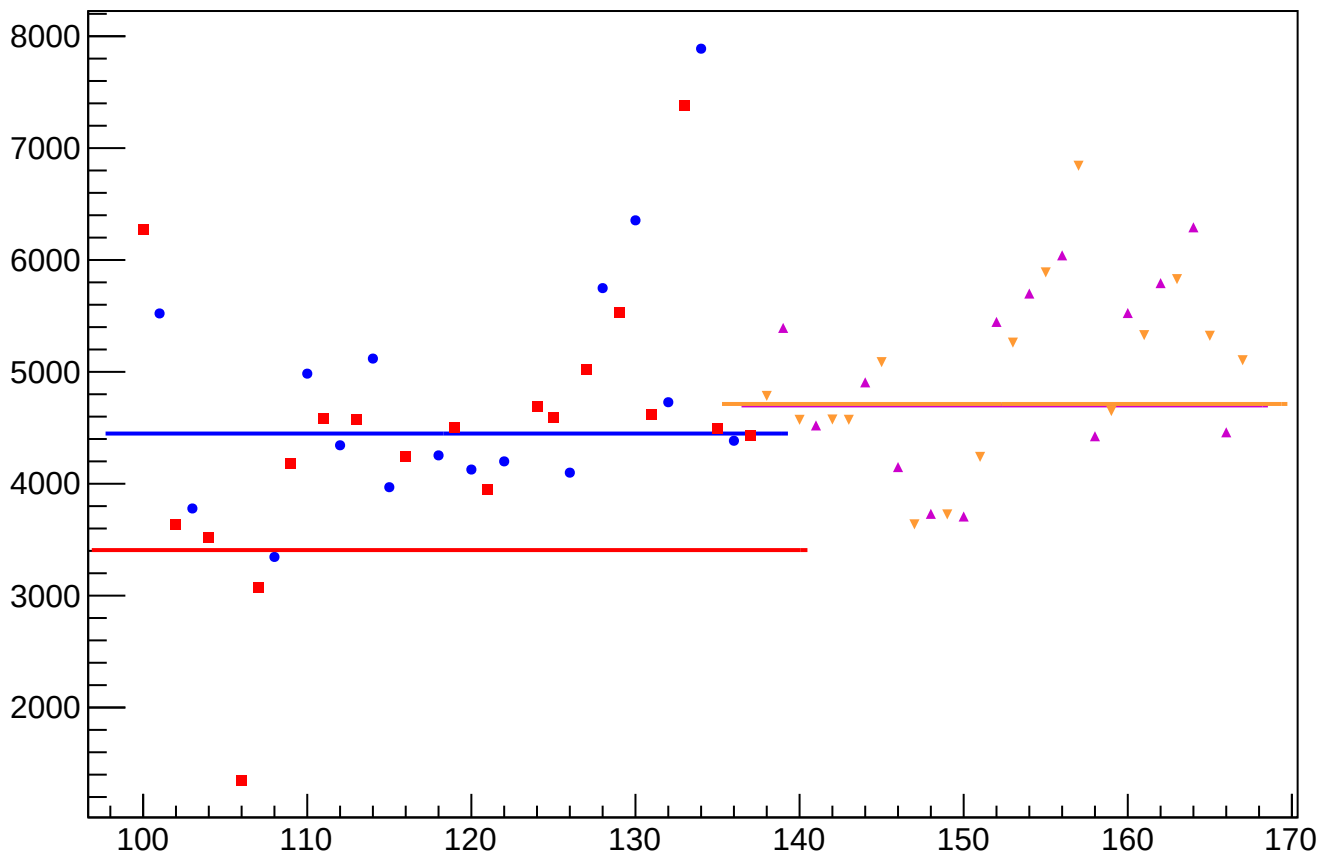
Left In: -1242.269 ± 1408.293 $\chi^2/\text{NDF}: 8.8/13$

+ sign -587.721 ± 1055.915 $\chi^2/\text{NDF}: 33.5/31$

All: -551.860 ± 718.165 $\chi^2/\text{NDF}: 58.6/64$

- sign -520.993 ± 979.646 $\chi^2/\text{NDF}: 25.1/32$

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2 /NDF: 494613.5/15

Left Out: 4713.112+/-0.956 χ^2 /NDF:643448.4/15

Right Out: 3407.128+/-0.964 χ^2 /NDF: 2326060.4/18

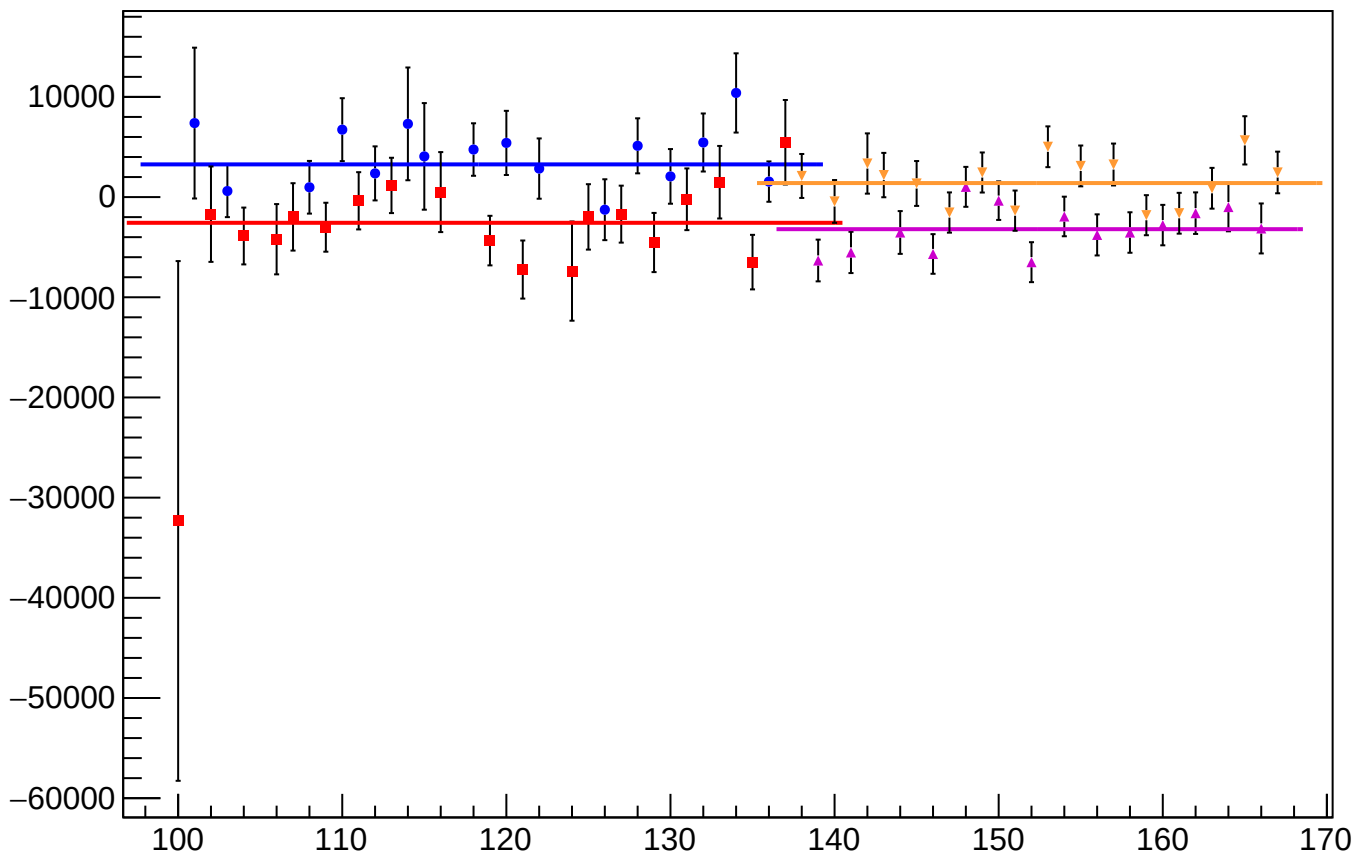
Left In: 4700.101+/-0.996 χ^2 /NDF:653713.3/13

+ sign 4609.895+/-0.747 χ^2 /NDF: 1167905.2/31

All: 4299.751+/-0.508 χ^2 /NDF: 5338822.5/64

- sign 4032.792+/-0.693 χ^2 /NDF: 3849855.9/32

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF : 12.2/15

Left Out: 1400.666+/-531.975 χ^2/NDF : 18.6/15

Right Out: -2566.689+/-734.875 χ^2/NDF : 17.0/18

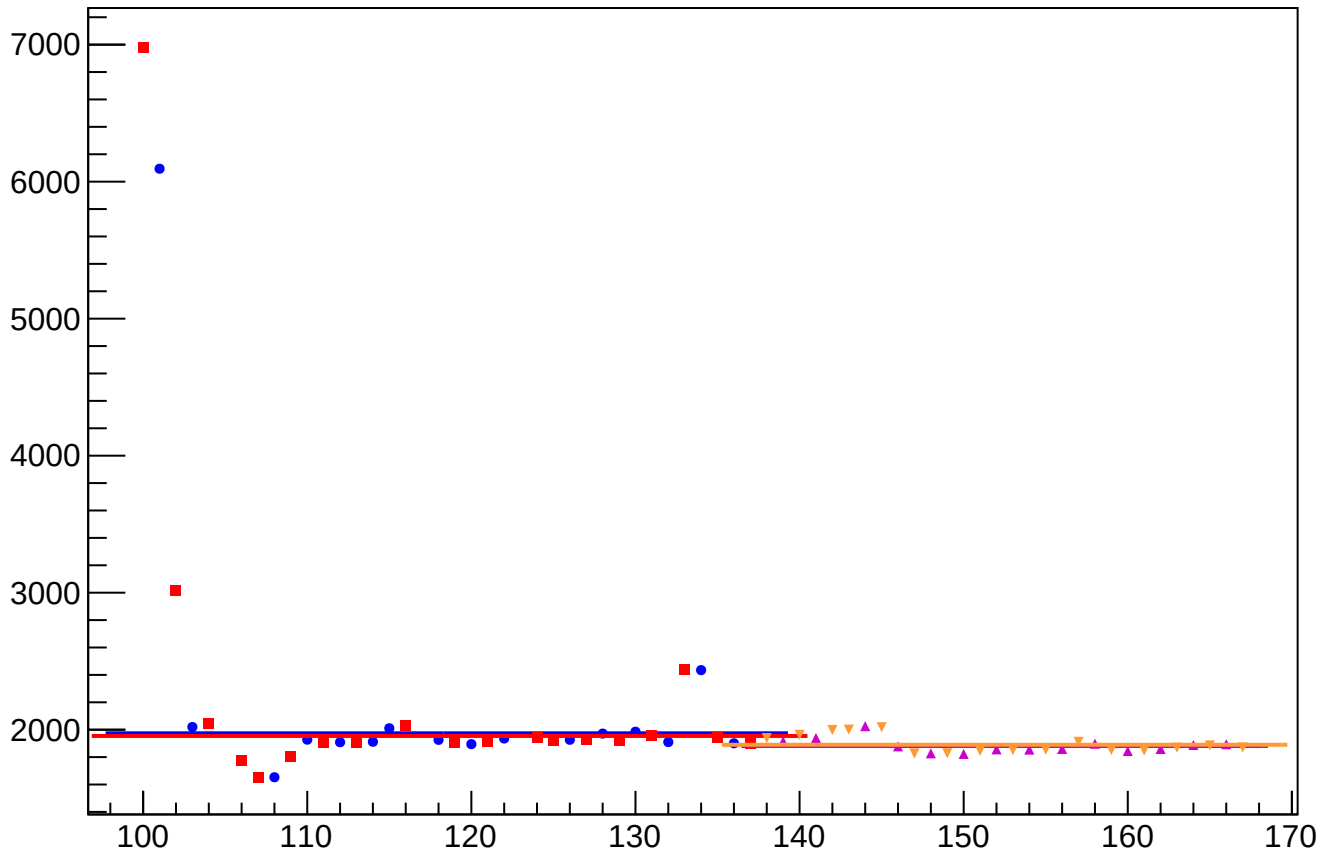
Left In: -3202.656+/-553.723 χ^2/NDF : 16.5/13

+ sign 2023.604+/-434.074 χ^2/NDF : 34.8/31

All: -427.841+/-309.782 χ^2/NDF : 133.8/64

- sign -2972.344+/-442.236 χ^2/NDF : 34.0/32

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2 /NDF: 665124.2/15

Left Out: 1890.183+/-0.376 χ^2 /NDF: 25794.2/15

+ sign 1918.110+/-0.307 χ^2 /NDF: 707411.4/31

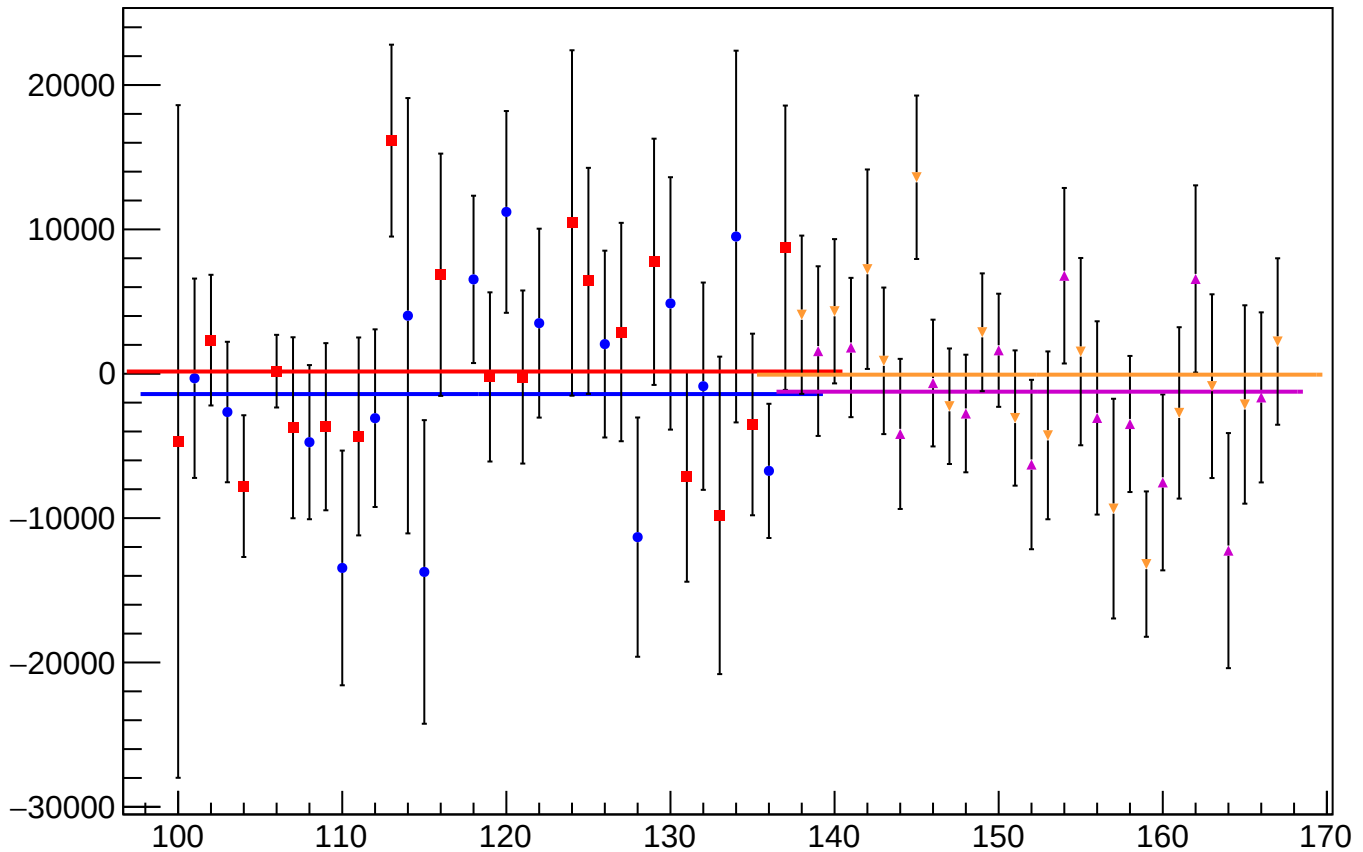
Right Out: 1954.339+/-0.519 χ^2 /NDF: 246210.8/18

All: 1912.921+/-0.219 χ^2 /NDF: 983483.1/64

- sign 1907.539+/-0.313 χ^2 /NDF: 275489.5/32

Left In: 1880.921+/-0.392 χ^2 /NDF: 16531.8/13

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1407.363 ± 1689.986 $\chi^2/\text{NDF}: 14.2/15$

Left Out: -62.837 ± 1352.387 $\chi^2/\text{NDF}: 18.9/15$

Right Out: 155.272 ± 1363.639 $\chi^2/\text{NDF}: 15.8/18$

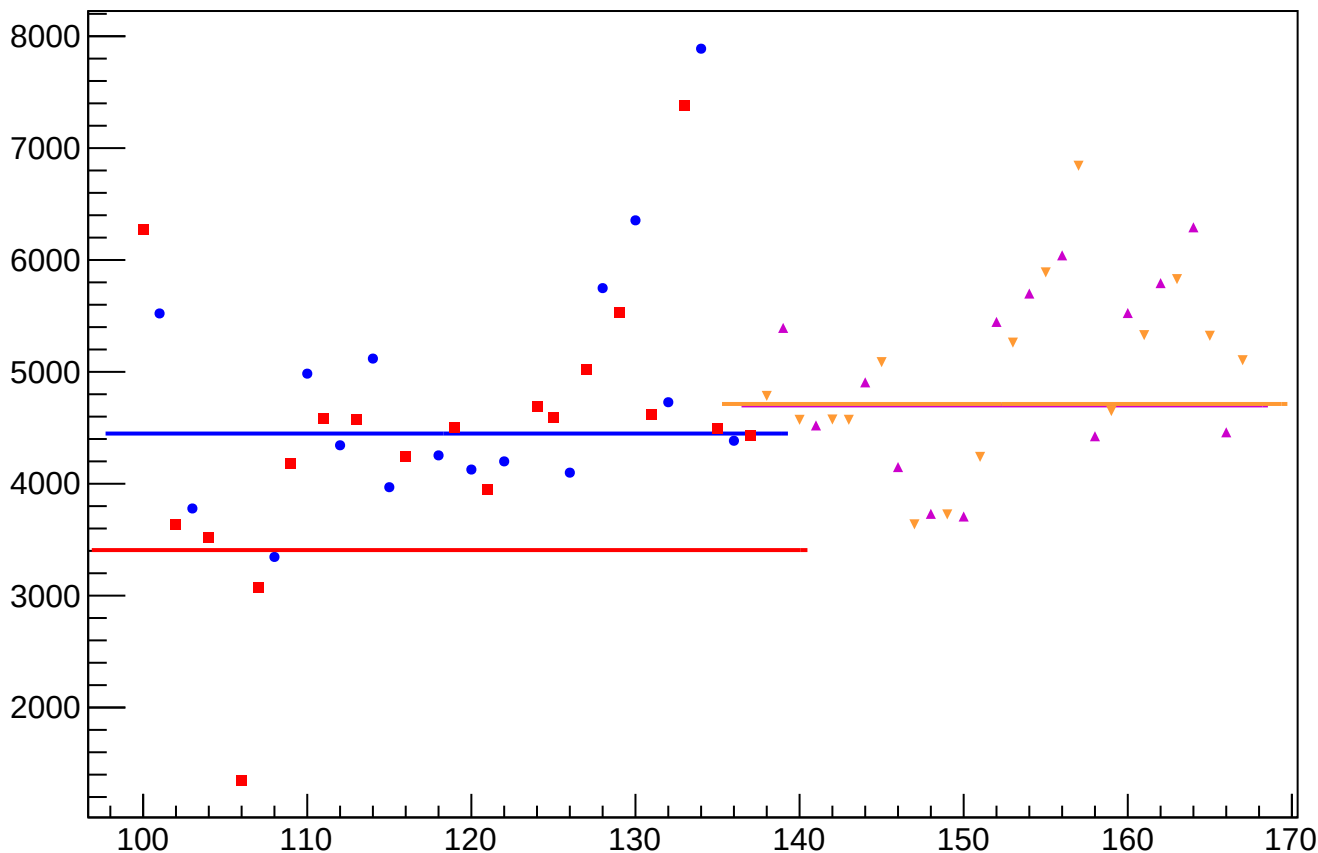
Left In: -1242.267 ± 1408.296 $\chi^2/\text{NDF}: 8.8/13$

+ sign -587.719 ± 1055.915 $\chi^2/\text{NDF}: 33.5/31$

All: -551.857 ± 718.165 $\chi^2/\text{NDF}: 58.6/64$

- sign -520.989 ± 979.646 $\chi^2/\text{NDF}: 25.1/32$

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF : 494610.6/15

Left Out: 4713.120+/-0.956 χ^2/NDF : 643449.1/15

Right Out: 3407.120+/-0.964 χ^2/NDF : 2326064.2/18

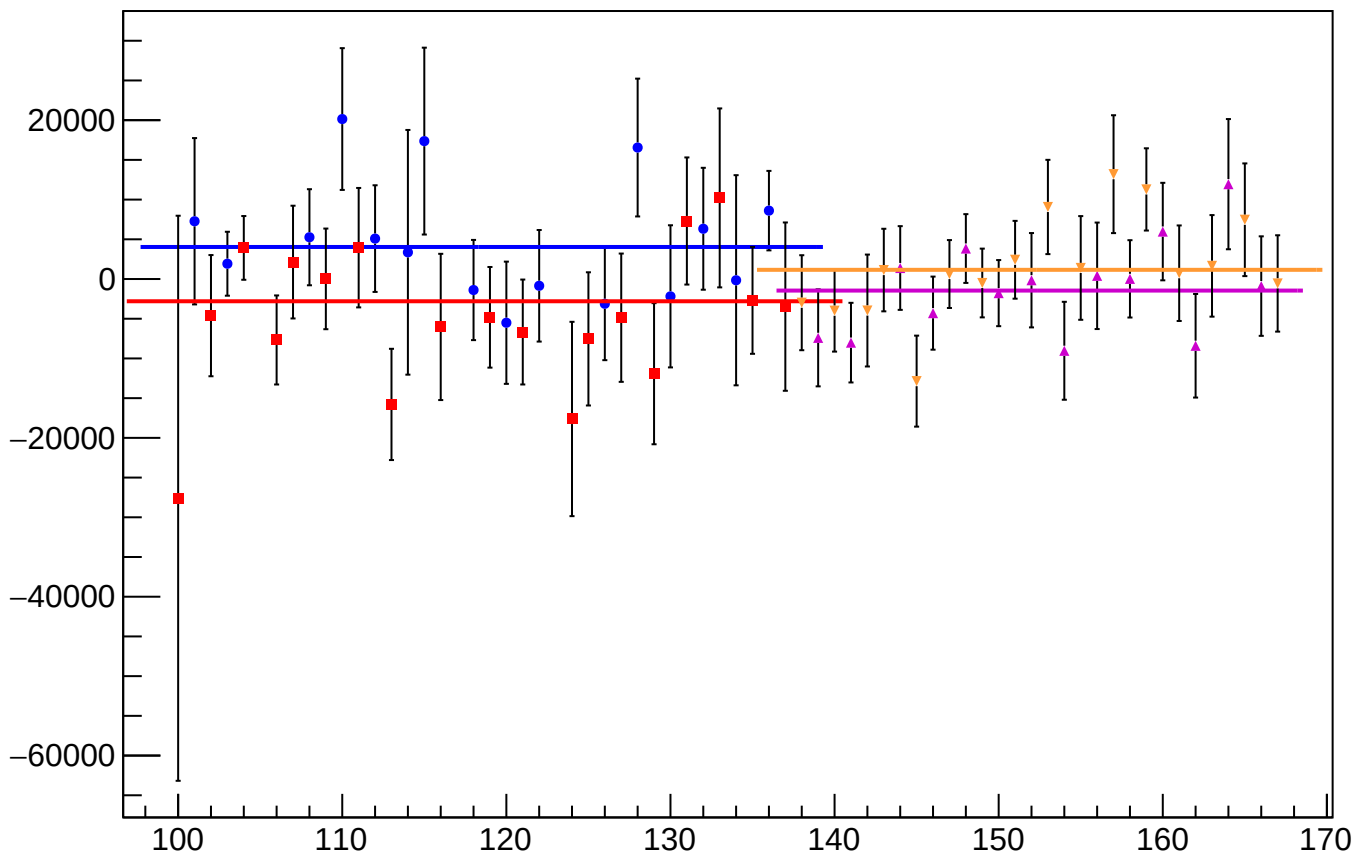
Left In: 4700.109+/-0.996 χ^2/NDF : 653712.4/13

+ sign 4609.896+/-0.747 χ^2/NDF : 1167906.5/31

All: 4299.750+/-0.508 χ^2/NDF : 5338853.1/64

- sign 4032.789+/-0.693 χ^2/NDF : 3849880.3/32

asym_atr_avg_mean vs Slug



Right In: 4034.572 $\pm$ 1782.030 χ^2 /NDF: 12.3/15

Left Out: 1157.792 $\pm$ 1400.957 χ^2 /NDF:17.3/15

Right Out: -2800.547 $\pm$ 1671.877 χ^2 /NDF: 15.4/18

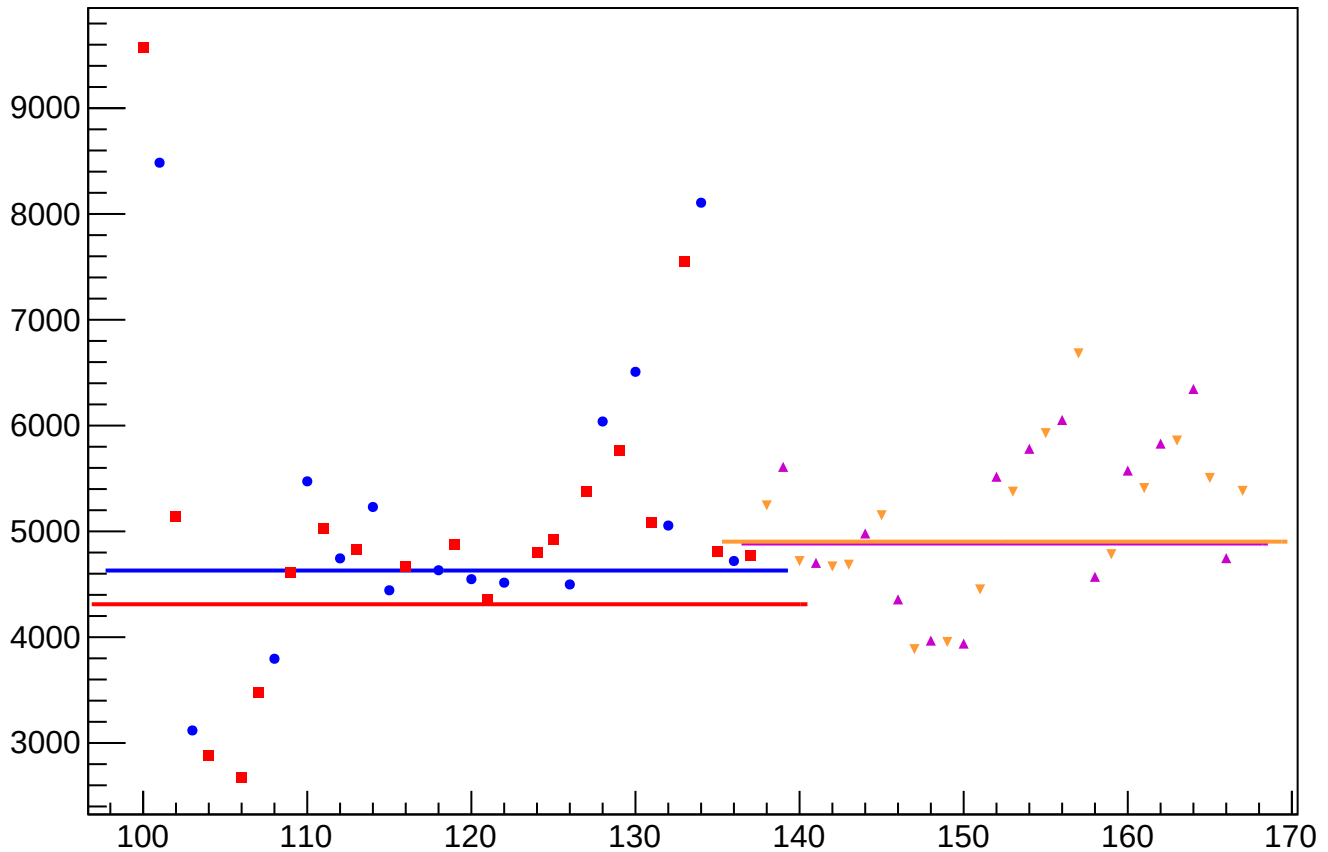
Left In: -1454.325 $\pm$ 1457.964 χ^2 /NDF:11.8/13

+ sign 2256.635 $\pm$ 1101.361 χ^2 /NDF: 31.3/31

All: 105.459 $\pm$ 777.884 χ^2 /NDF: 66.5/64

- sign -2035.854 $\pm$ 1098.833 χ^2 /NDF: 27.6/32

asym_atr_avg_rms vs Slug



Right In: 4629.967 ± 1.260 χ^2/NDF : 900246.3/15

Left Out: 4903.170 ± 0.991 χ^2/NDF : 508502.3/15

Right Out: 4311.218 ± 1.172 χ^2/NDF : 904737.2/18

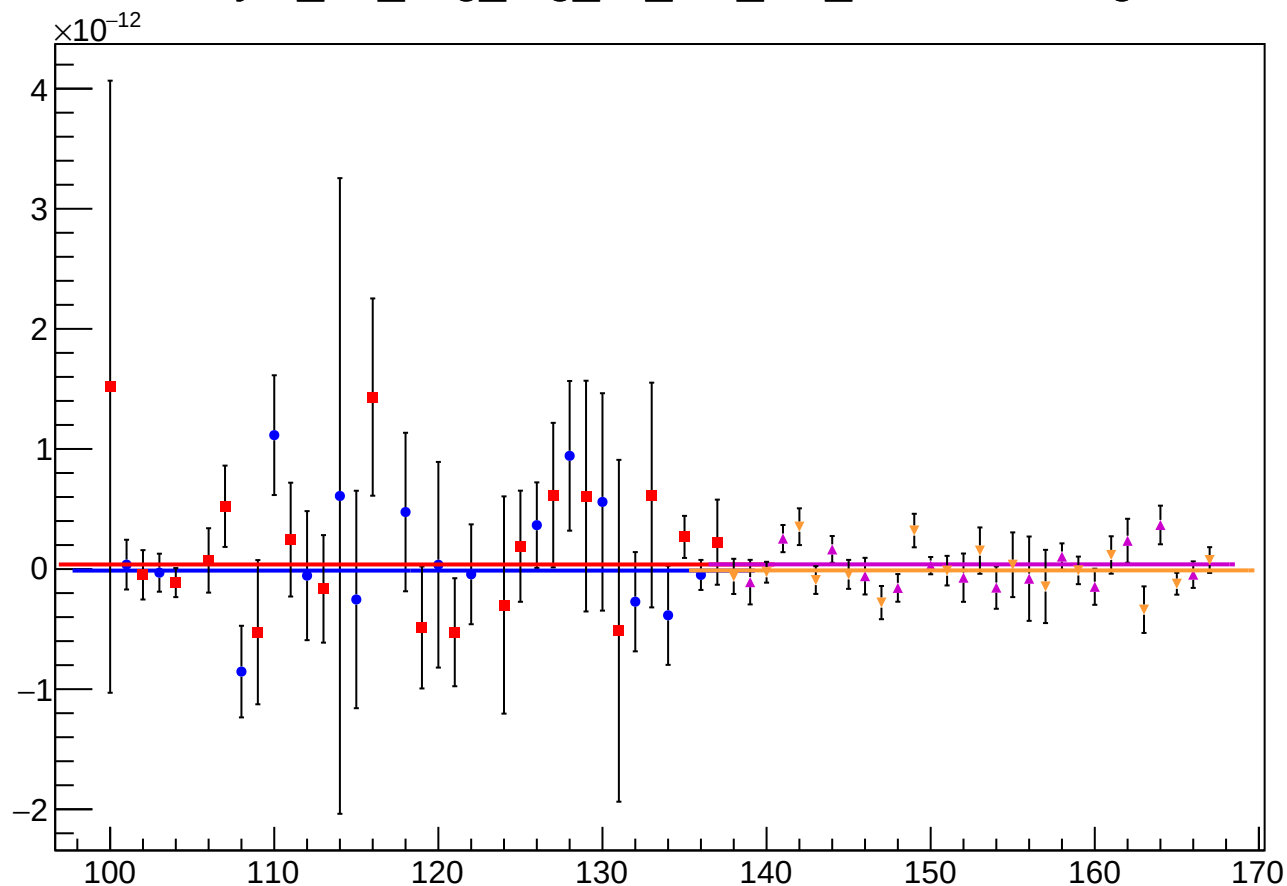
Left In: 4885.292 ± 1.031 χ^2/NDF : 516417.7/13

+ sign 4798.815 ± 0.779 χ^2/NDF : 1437801.0/31

All: 4716.339 ± 0.549 χ^2/NDF : 3016521.2/64

- sign 4634.858 ± 0.774 χ^2/NDF : 1556423.9/32

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 : 22.4/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.0/18

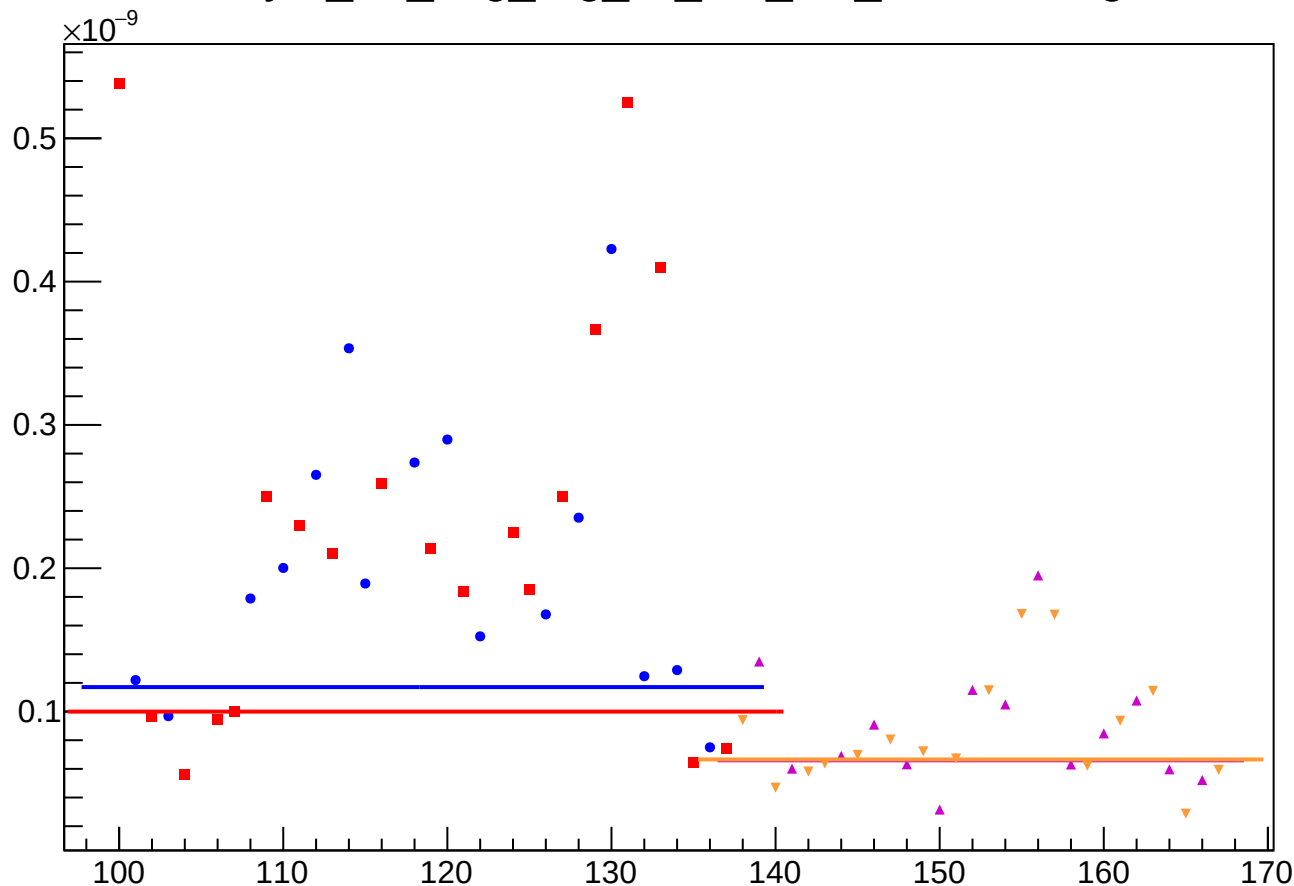
Left In: 0.000 ± 0.000 χ^2/NDF : 18.2/13

+ sign -0.000 ± 0.000 χ^2/NDF : 38.3/31

All: 0.000 ± 0.000 χ^2/NDF : 72.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 33.2/32

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 : 1373812.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1844111.3/18

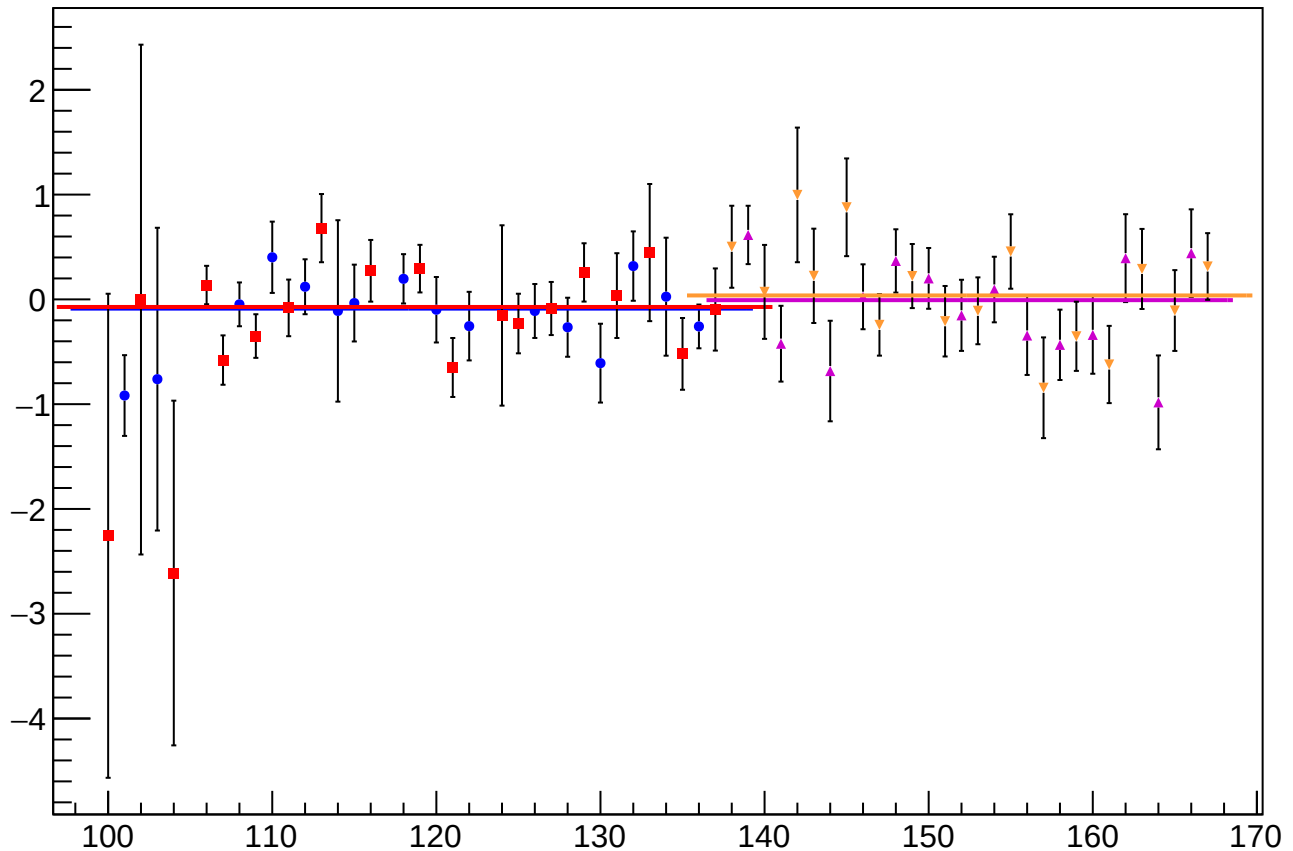
Left In: 0.000+/-0.000 χ^2/NDF : 1451629.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 3229223.6/31

All: 0.000+/-0.000 χ^2/NDF : 6888043.4/64

- sign 0.000+/-0.000 χ^2/NDF : 3652998.0/32

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.038 ± 0.093 χ^2/NDF : 19.8/15

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

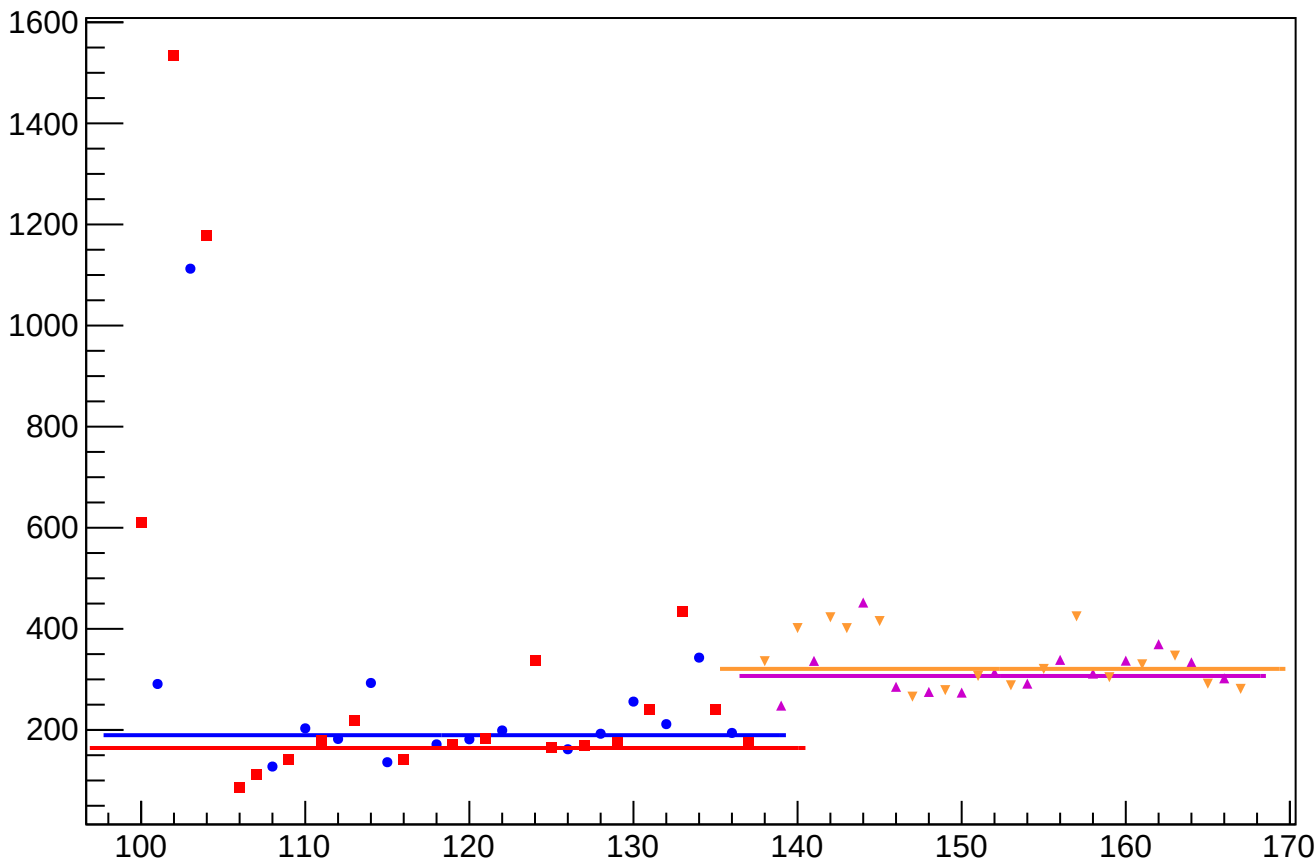
Left In: -0.007 ± 0.093 χ^2/NDF : 20.7/13

+ sign -0.037 ± 0.059 χ^2/NDF : 34.7/31

All: -0.043 ± 0.041 χ^2/NDF : 84.4/64

- sign -0.049 ± 0.056 χ^2/NDF : 49.6/32

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 +/- 0.054 χ^2/NDF : 1465476.9/15

Left Out: 320.813 +/- 0.065 χ^2/NDF : 548530.8/15

Right Out: 164.287 +/- 0.050 χ^2/NDF : 2643490.2/18

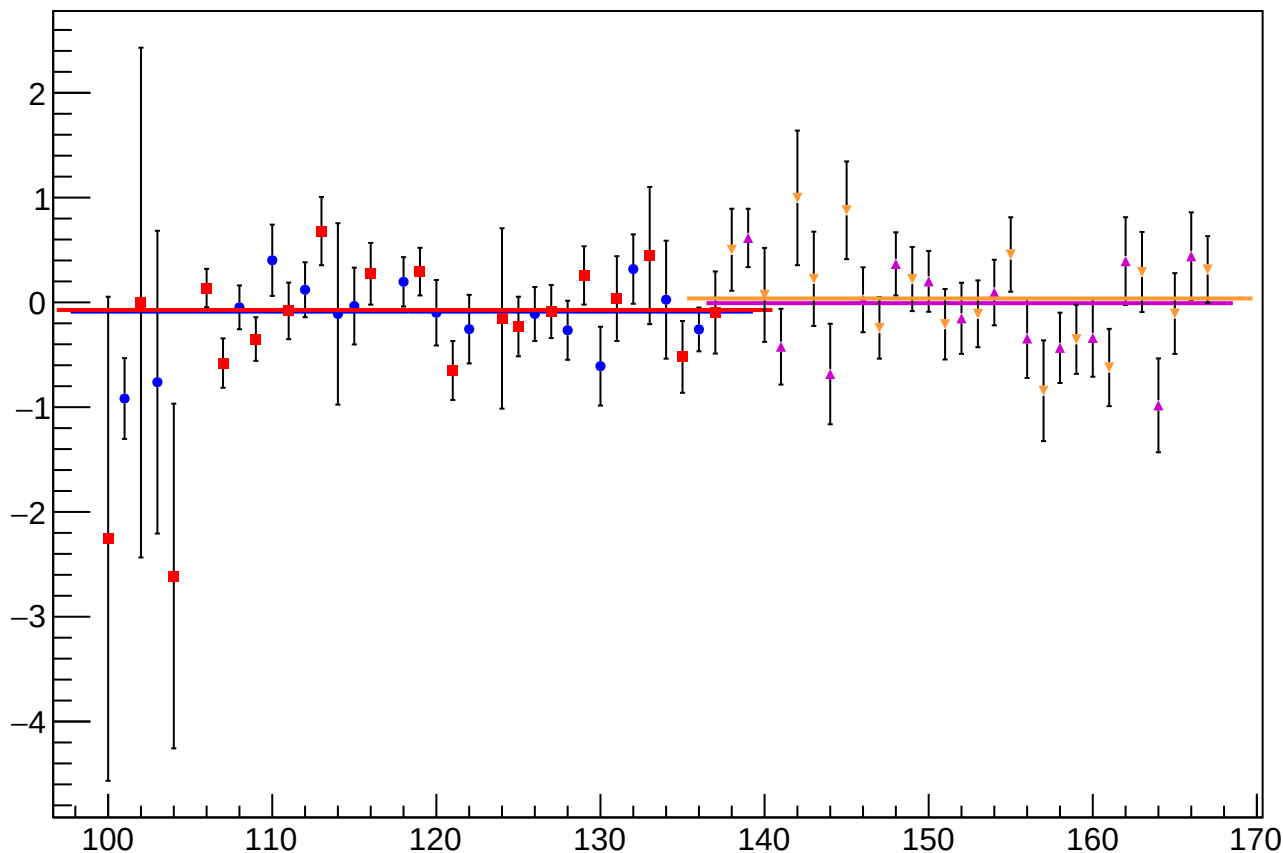
Left In: 306.772 +/- 0.065 χ^2/NDF : 428502.9/13

+ sign 243.078 +/- 0.042 χ^2/NDF : 4393527.0/31

All: 228.833 +/- 0.029 χ^2/NDF : 10698272.6/64

- sign 216.111 +/- 0.039 χ^2/NDF : 6084759.3/32

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: 0.038 ± 0.093 χ^2/NDF : 19.8/15

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

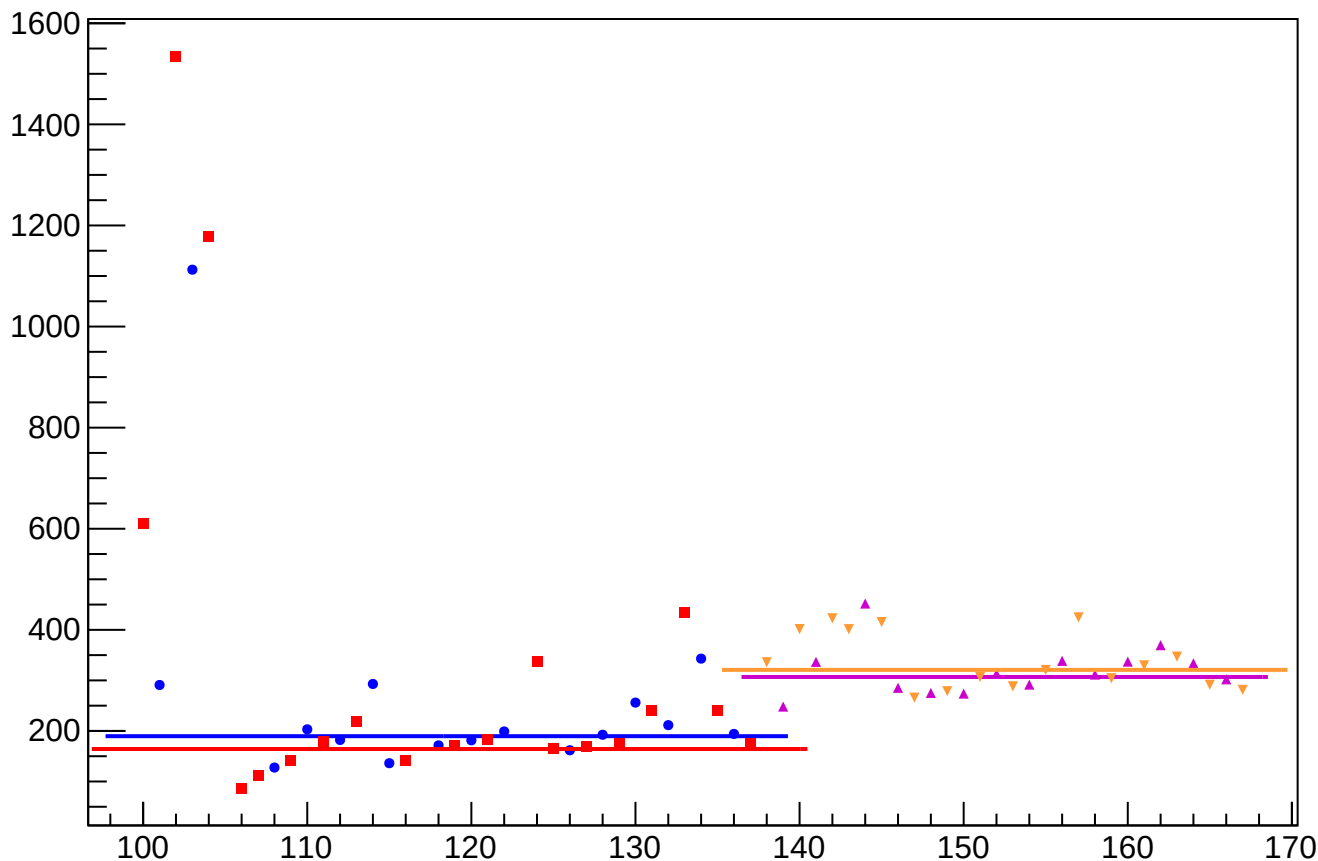
Left In: -0.007 ± 0.093 χ^2/NDF : 20.7/13

+ sign -0.037 ± 0.059 χ^2/NDF : 34.7/31

All: -0.043 ± 0.041 χ^2/NDF : 84.4/64

- sign -0.049 ± 0.056 χ^2/NDF : 49.6/32

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628 ± 0.054 χ^2/NDF : 1465476.9/15

Left Out: 320.813 ± 0.065 χ^2/NDF : 548530.8/15

Right Out: 164.287 ± 0.050 χ^2/NDF : 2643490.2/18

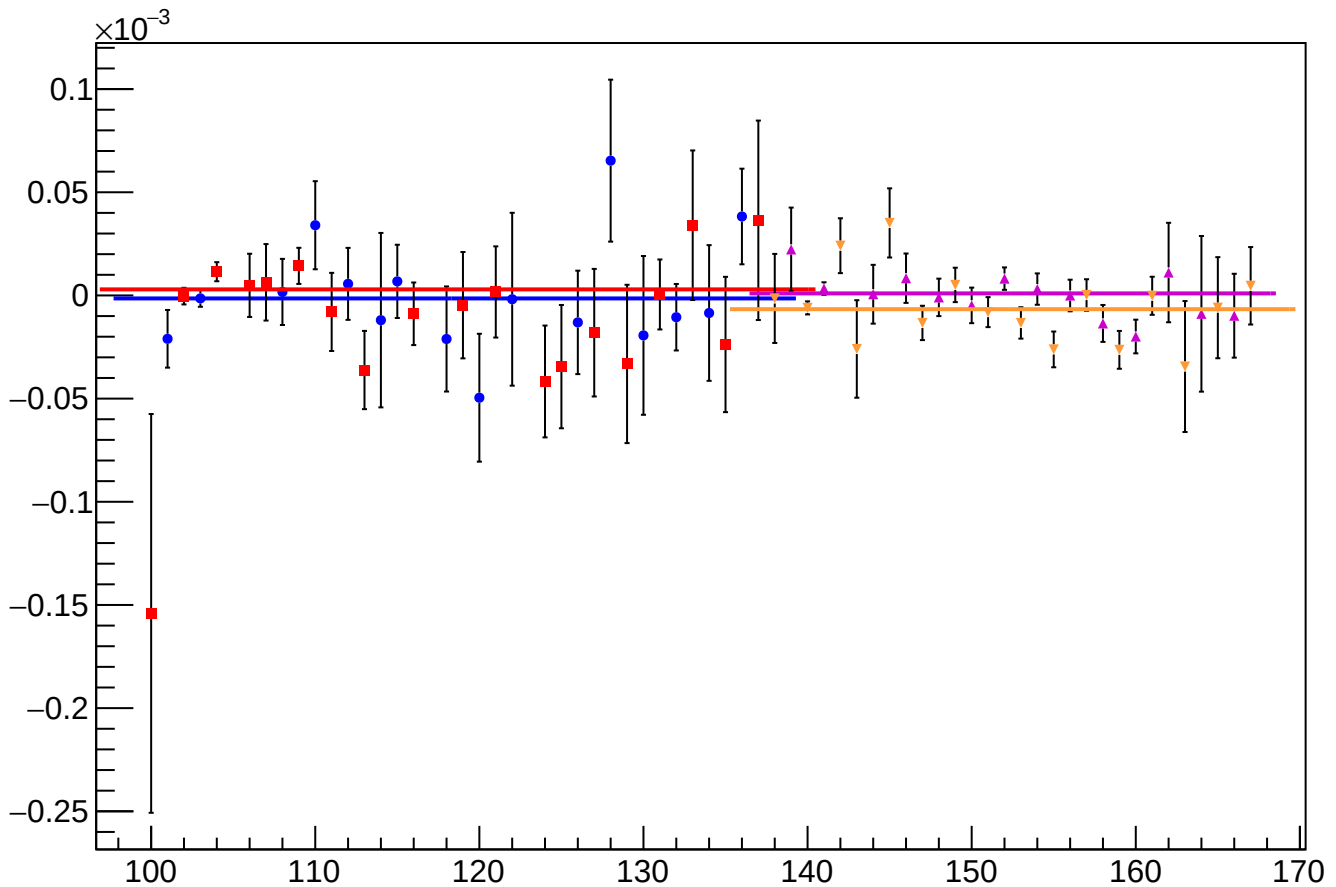
Left In: 306.772 ± 0.065 χ^2/NDF : 428502.9/13

+ sign 243.078 ± 0.042 χ^2/NDF : 4393527.0/31

All: 228.833 ± 0.029 χ^2/NDF : 10698272.6/64

- sign 216.111 ± 0.039 χ^2/NDF : 6084759.3/32

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 27.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.3/18

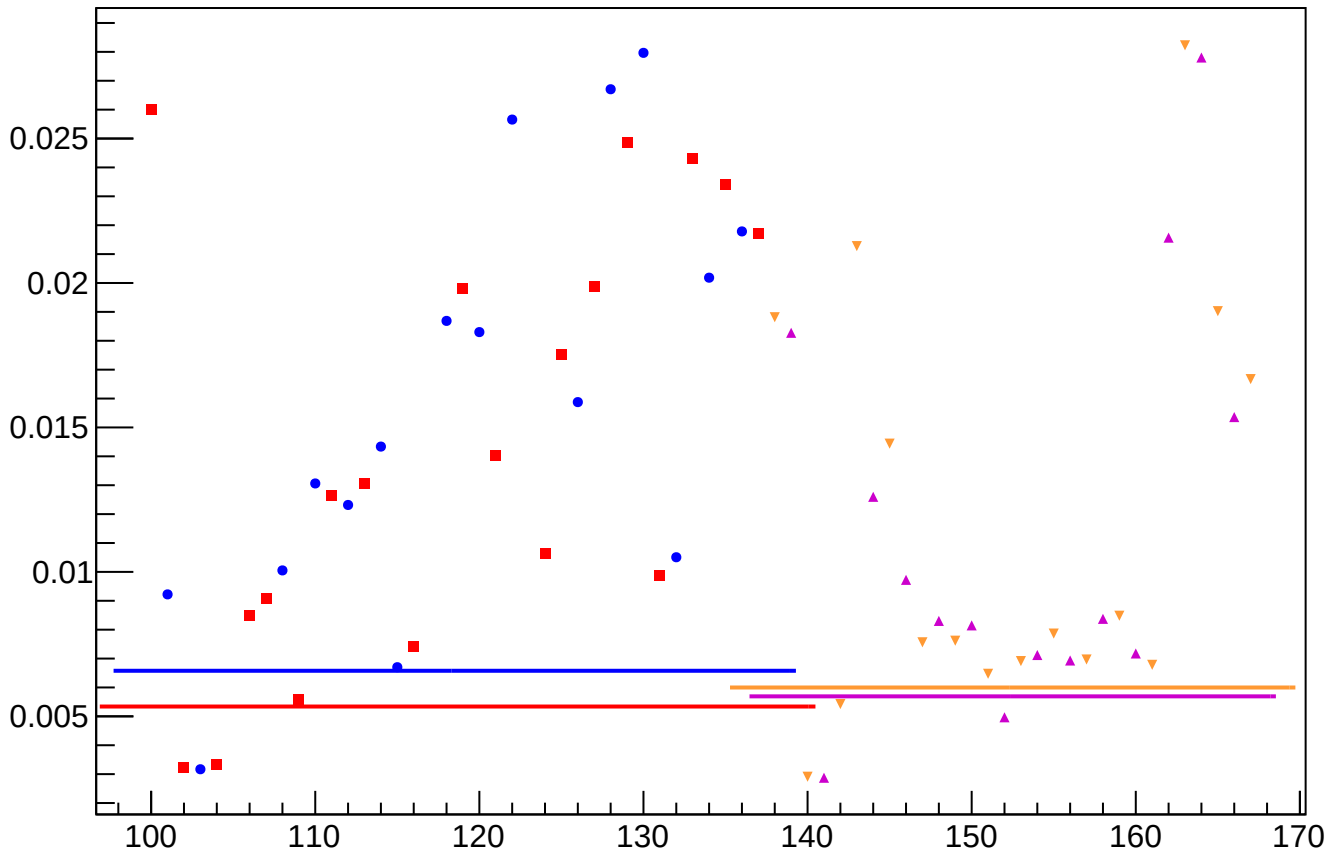
Left In: 0.000 ± 0.000 χ^2/NDF : 14.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 44.5/31

All: -0.000 ± 0.000 χ^2/NDF : 89.0/64

- sign 0.000 ± 0.000 χ^2/NDF : 35.8/32

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF : 6611379.3/15

Right Out: 0.005+/-0.000 χ^2/NDF : 5685915.4/18

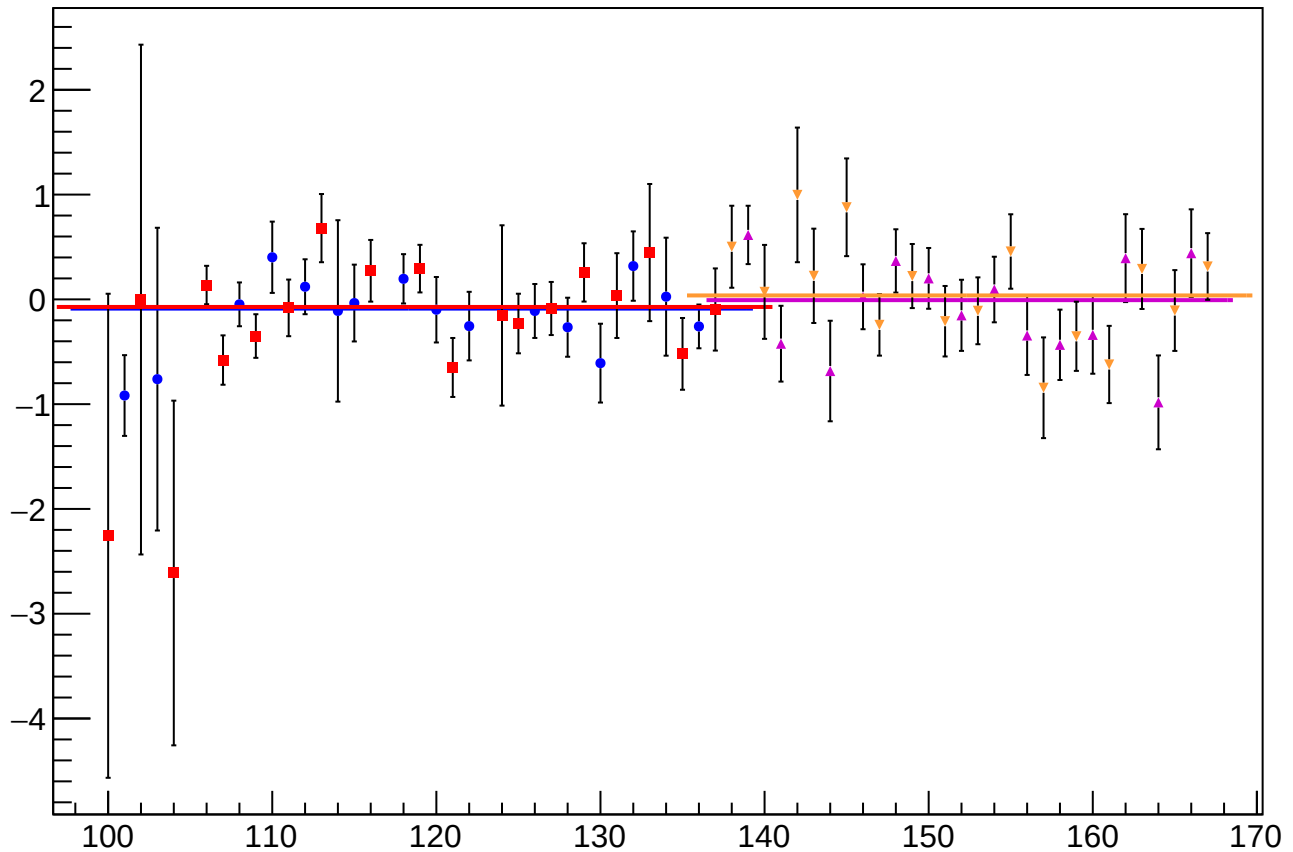
Left In: 0.006+/-0.000 χ^2/NDF : 5905825.3/13

+ sign 0.006+/-0.000 χ^2/NDF : 12583517.6/31

All: 0.006+/-0.000 χ^2/NDF : 24328782.7/64

- sign 0.006+/-0.000 χ^2/NDF : 11615094.9/32

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: 0.038 ± 0.093 χ^2/NDF : 19.8/15

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

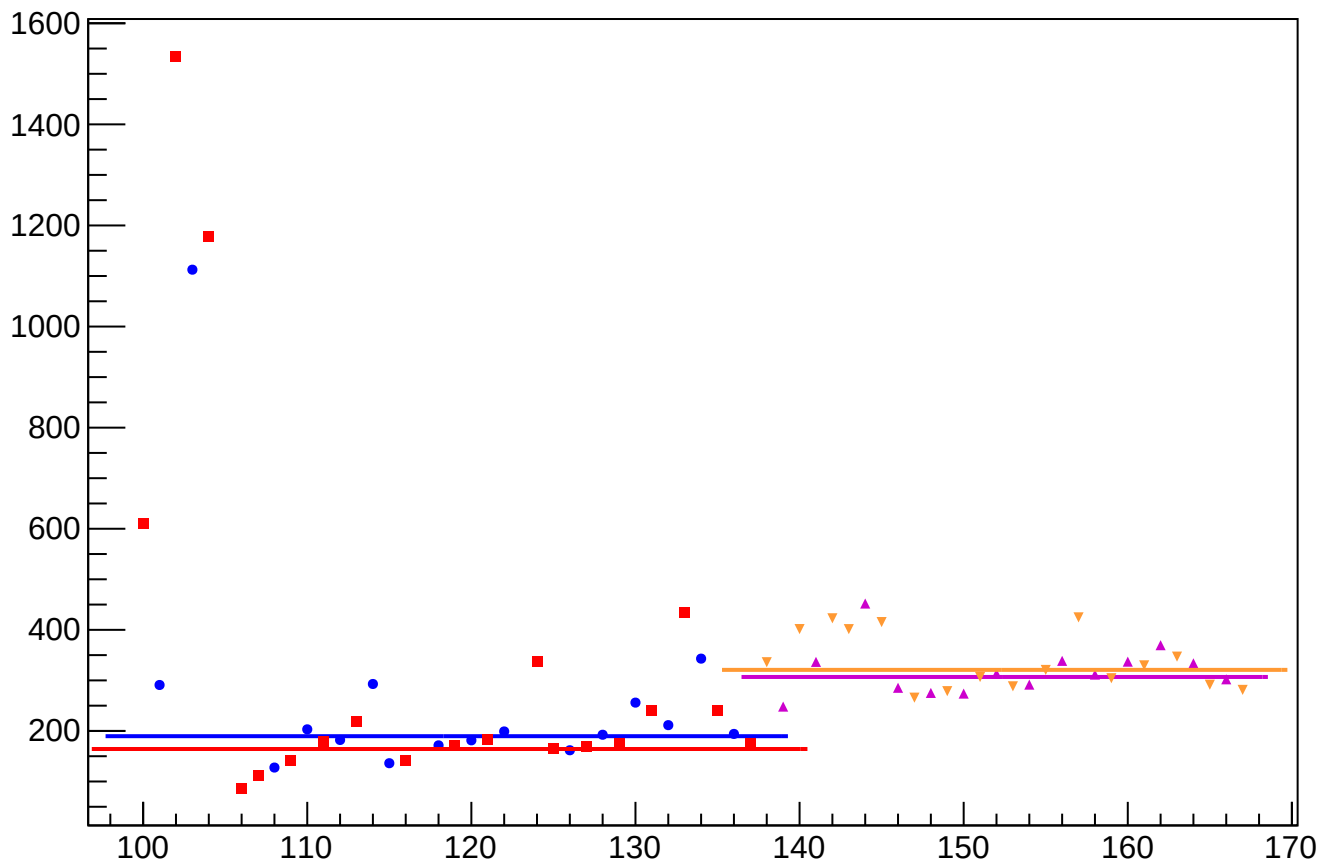
Left In: -0.007 ± 0.093 χ^2/NDF : 20.7/13

+ sign -0.037 ± 0.059 χ^2/NDF : 34.7/31

All: -0.043 ± 0.041 χ^2/NDF : 84.4/64

- sign -0.049 ± 0.056 χ^2/NDF : 49.6/32

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 ± 0.054 χ^2/NDF : 1465464.1/15

Left Out: 320.819 ± 0.065 χ^2/NDF : 548519.2/15

Right Out: 164.286 ± 0.050 χ^2/NDF : 2643465.6/18

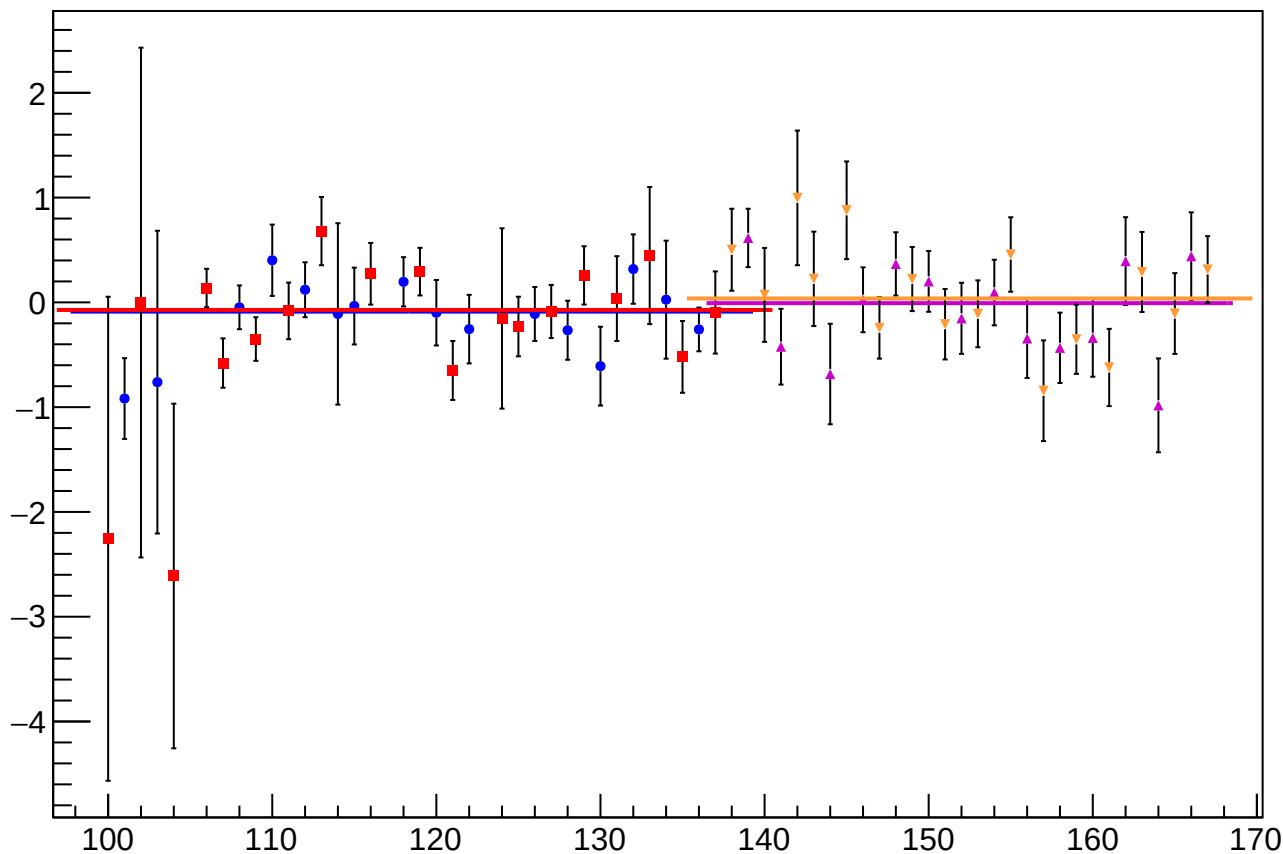
Left In: 306.777 ± 0.065 χ^2/NDF : 428498.5/13

+ sign 243.078 ± 0.042 χ^2/NDF : 4393679.7/31

All: 228.833 ± 0.029 χ^2/NDF : 10698582.4/64

- sign 216.111 ± 0.039 χ^2/NDF : 6084907.9/32

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: 0.038 ± 0.093 χ^2/NDF : 19.8/15

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

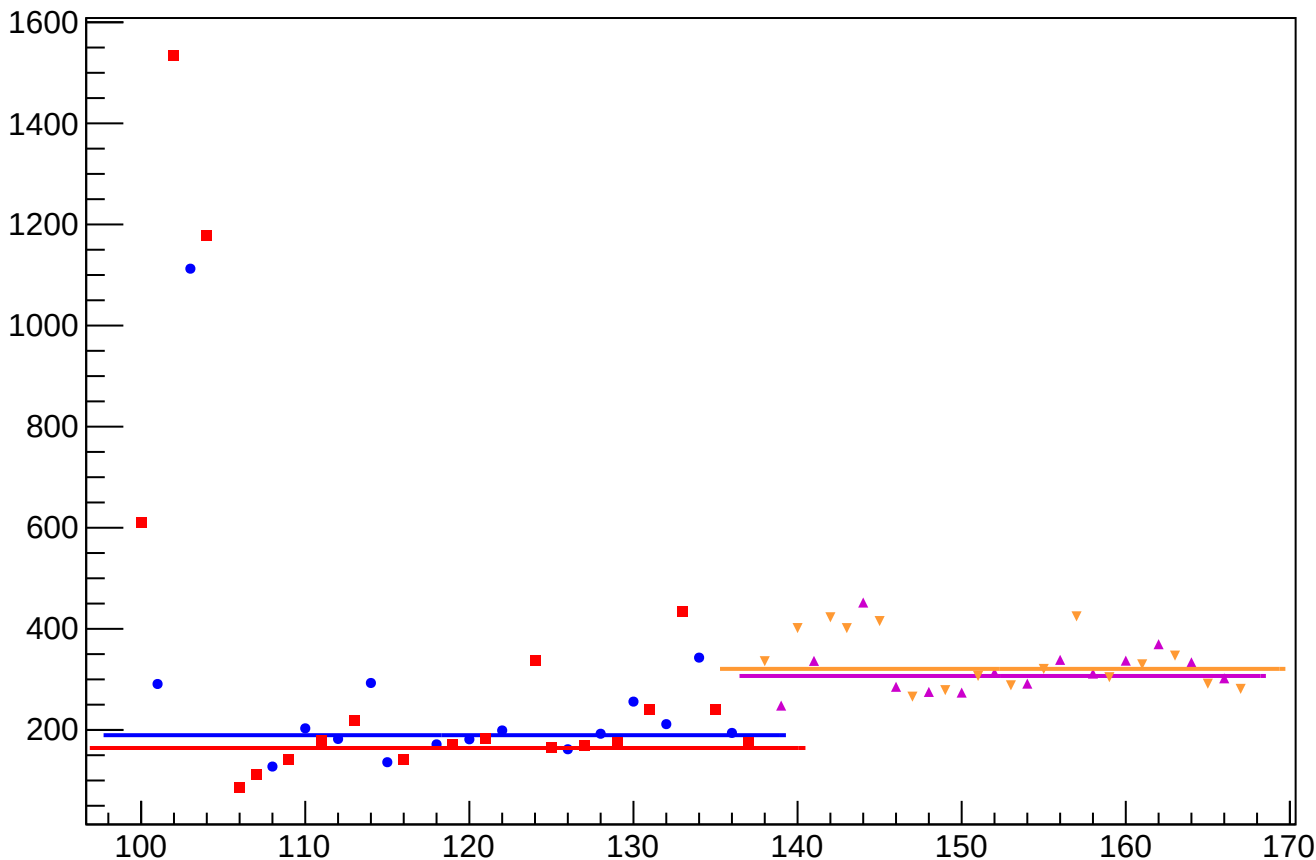
Left In: -0.007 ± 0.093 χ^2/NDF : 20.7/13

+ sign -0.037 ± 0.059 χ^2/NDF : 34.7/31

All: -0.043 ± 0.041 χ^2/NDF : 84.4/64

- sign -0.049 ± 0.056 χ^2/NDF : 49.6/32

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF : 1465464.1/15

Left Out: 320.819+/-0.065 χ^2/NDF : 548519.2/15

Right Out: 164.286+/-0.050 χ^2/NDF : 2643465.6/18

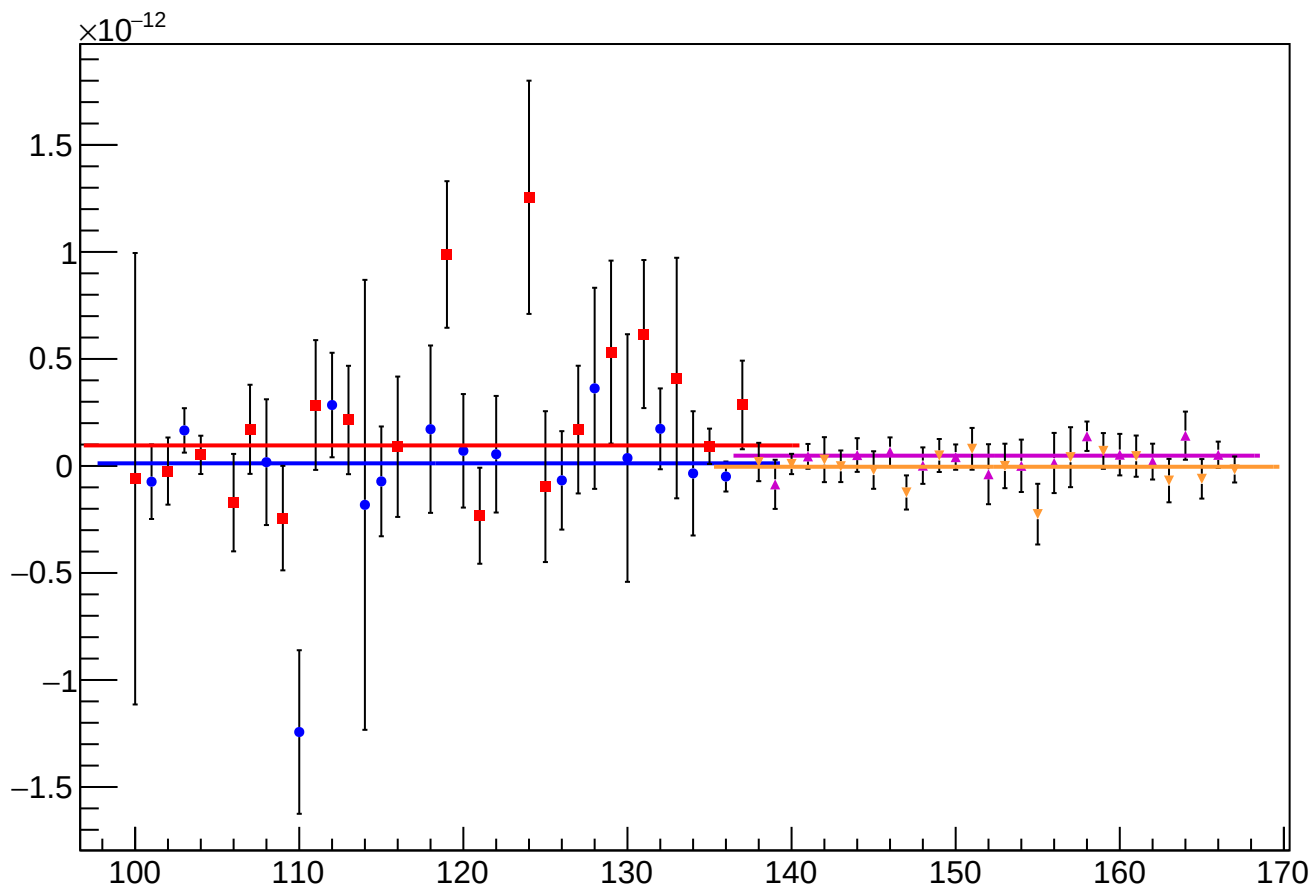
Left In: 306.777+/-0.065 χ^2/NDF : 428498.5/13

+ sign 243.078+/-0.042 χ^2/NDF : 4393679.7/31

All: 228.833+/-0.029 χ^2/NDF : 10698582.4/64

- sign 216.111+/-0.039 χ^2/NDF : 6084907.9/32

asym_atr_avg_eigen_cor_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 : 8.2/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.2/18

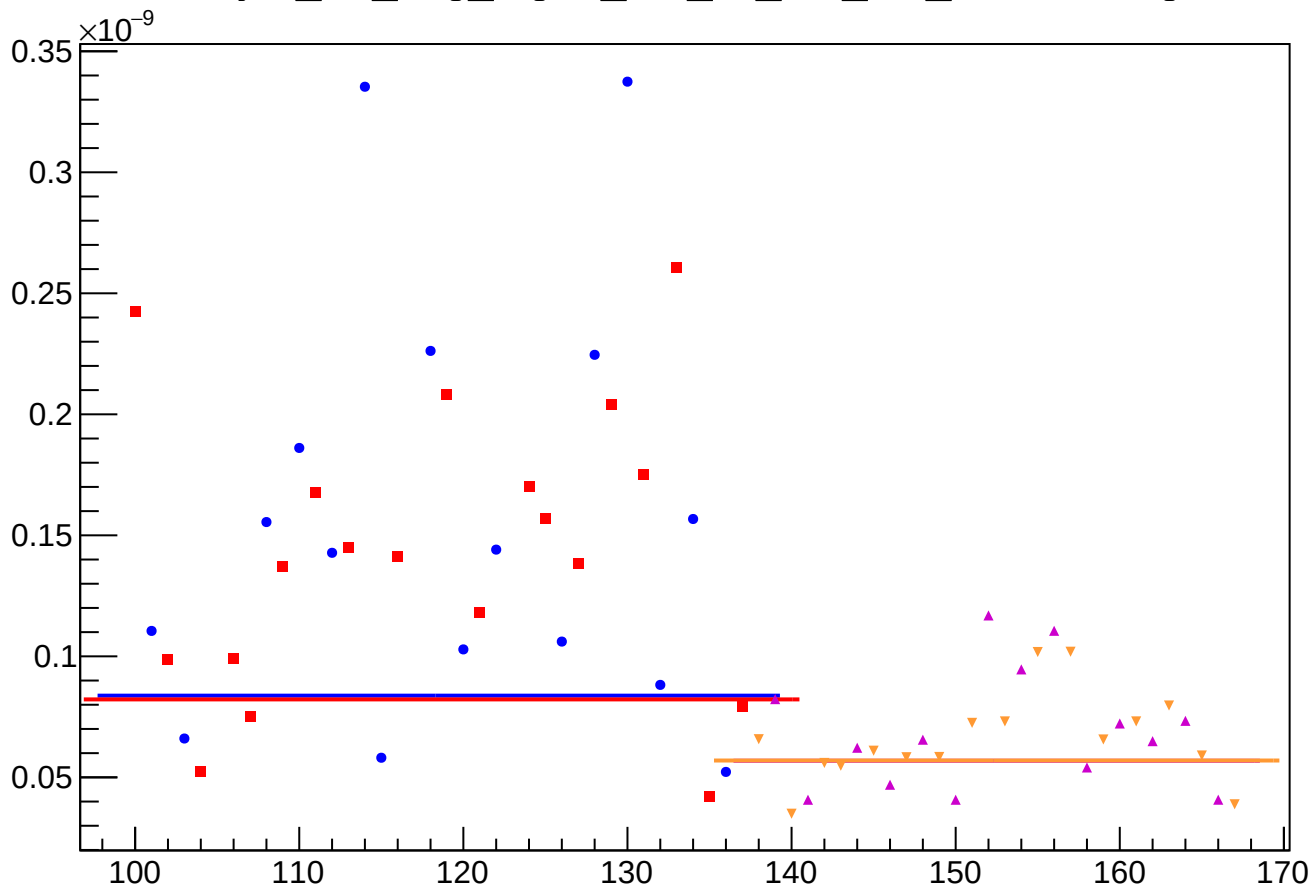
Left In: 0.000 ± 0.000 χ^2/NDF : 4.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 25.3/31

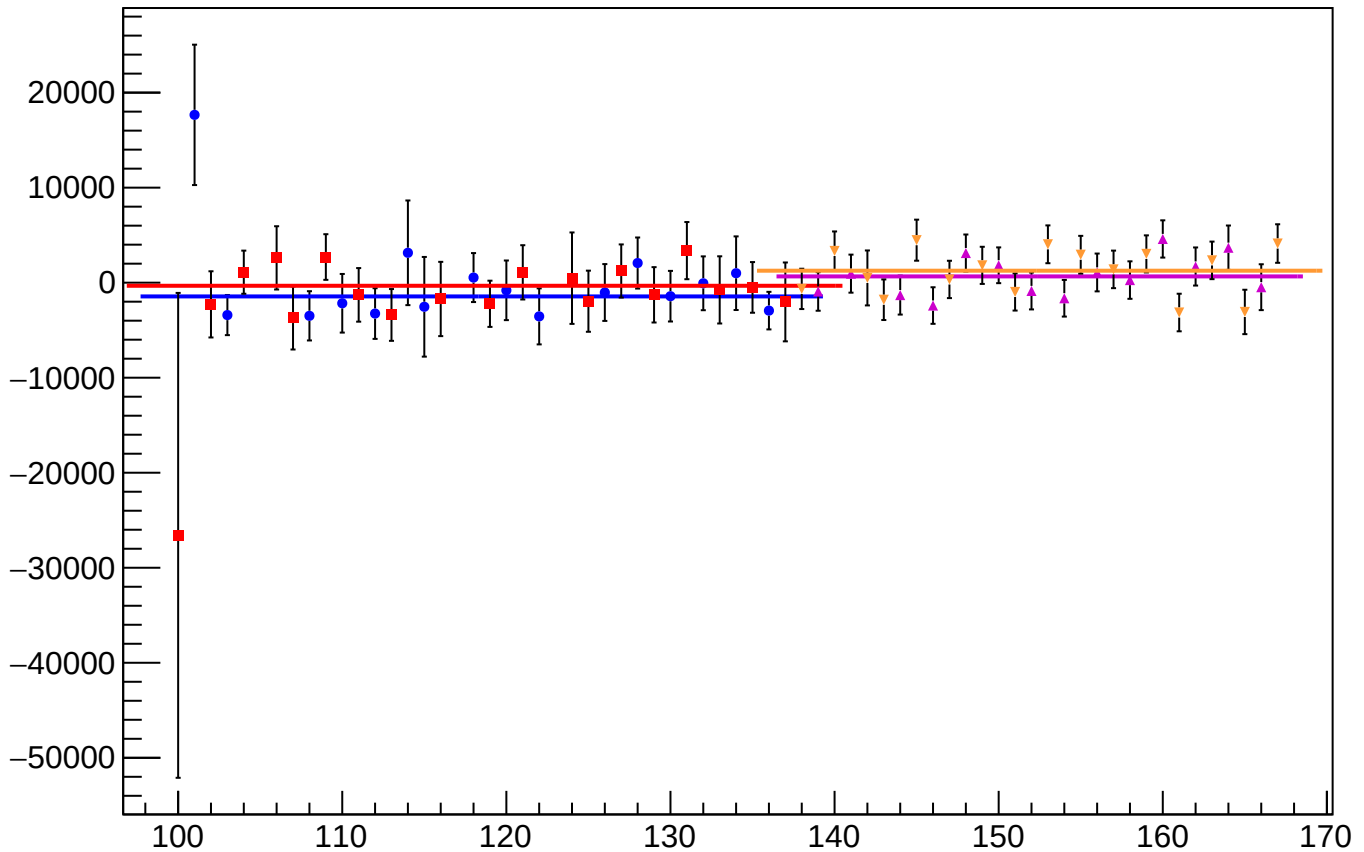
All: 0.000 ± 0.000 χ^2/NDF : 58.9/64

- sign 0.000 ± 0.000 χ^2/NDF : 29.0/32

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_atr_dd_mean vs Slug



Right In: -1446.547 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1259.978 ± 515.800 χ^2/NDF : 22.0/15

Right Out: -325.908 ± 702.648 χ^2/NDF : 9.9/18

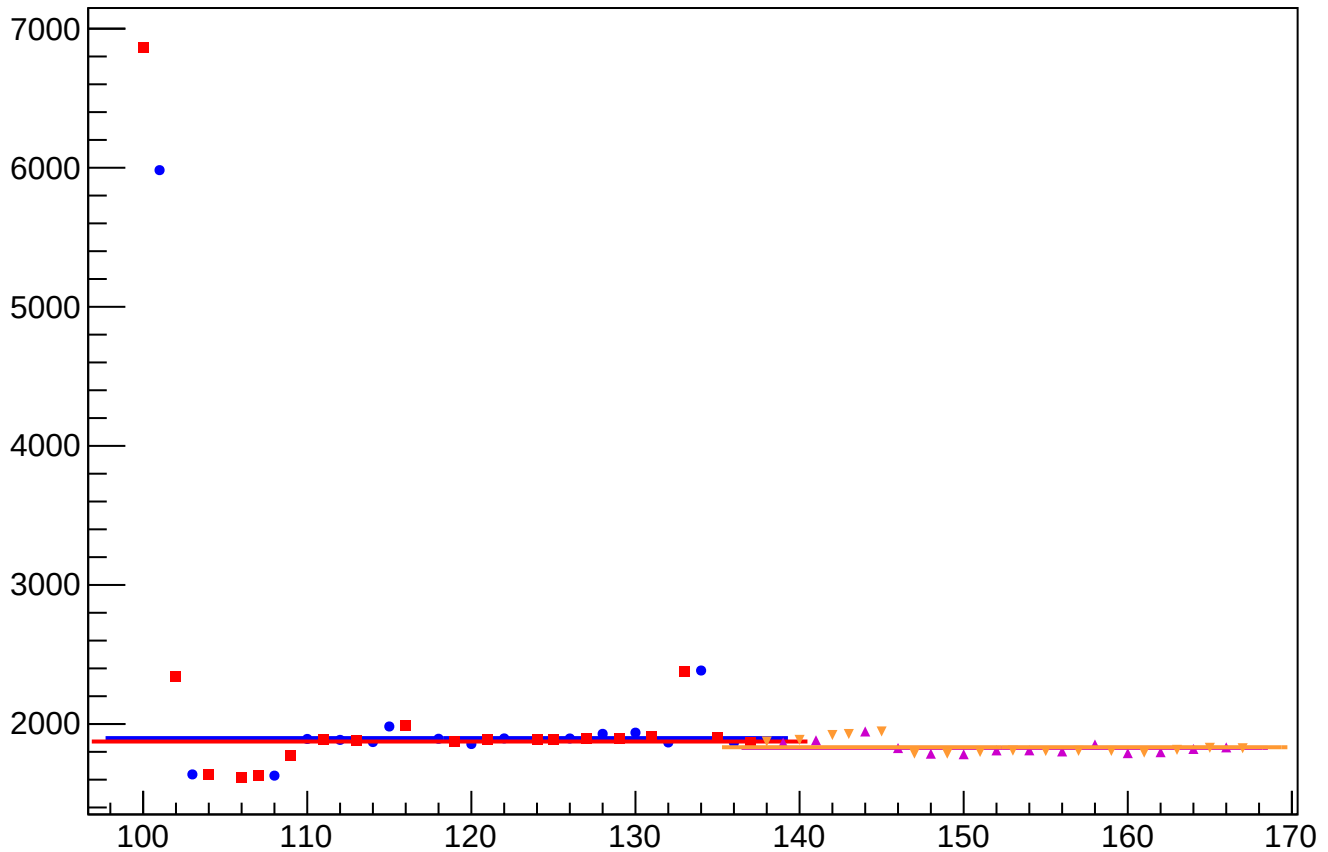
Left In: 659.120 ± 538.166 χ^2/NDF : 14.4/13

+ sign 347.321 ± 419.924 χ^2/NDF : 44.8/31

All: 321.577 ± 299.487 χ^2/NDF : 70.3/64

- sign 294.926 ± 427.248 χ^2/NDF : 25.6/32

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.2/15

Left Out: 1833.097+/-0.365 χ^2/NDF : 18635.5/15

+ sign 1855.261+/-0.297 χ^2/NDF : 727101.5/31

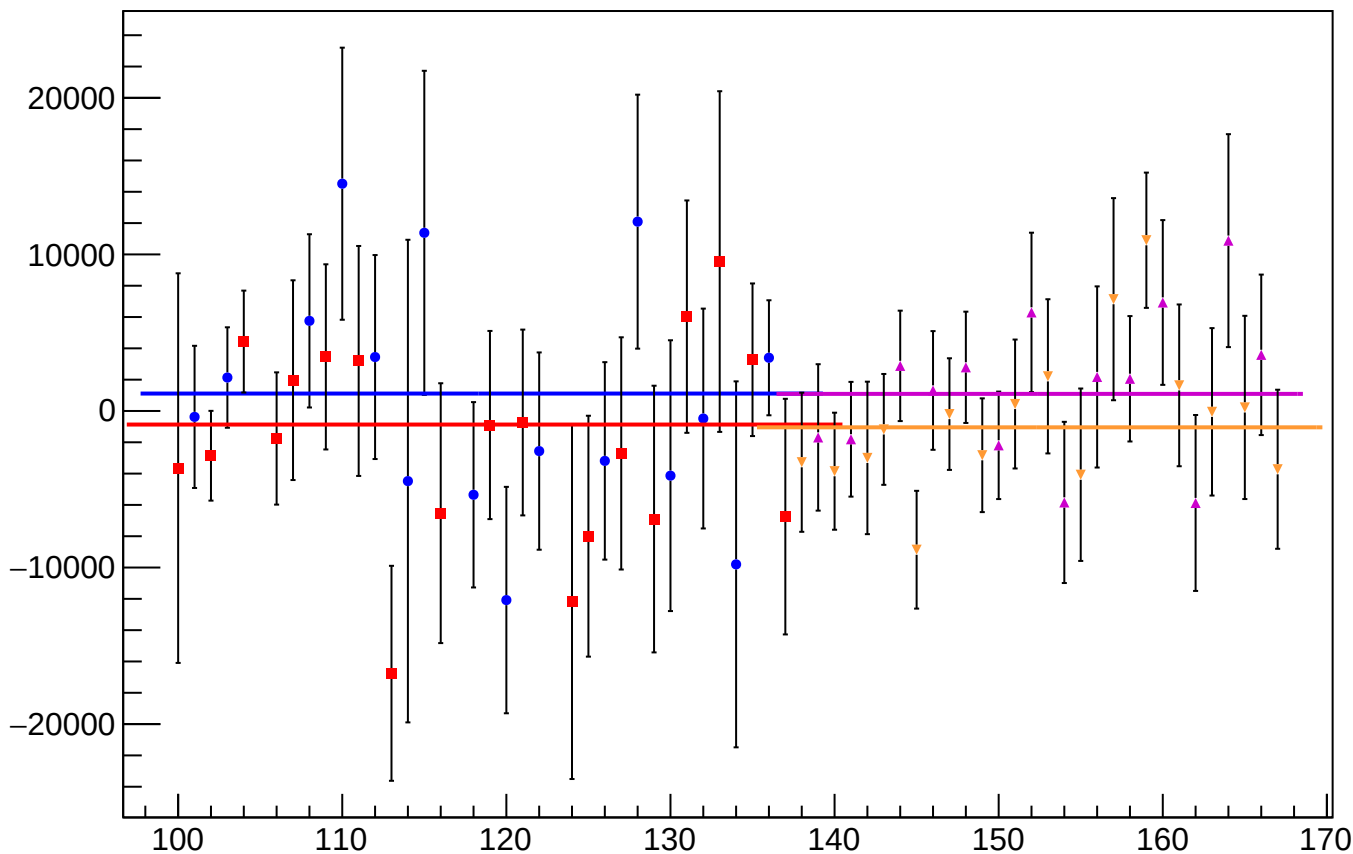
Right Out: 1874.251+/-0.495 χ^2/NDF : 207657.7/18

All: 1850.390+/-0.212 χ^2/NDF : 953862.2/64

Left In: 1828.298+/-0.381 χ^2/NDF : 13141.6/13

- sign 1845.361+/-0.302 χ^2/NDF : 226213.8/32

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704 $\pm$ 1479.265 χ^2/NDF : 13.4/15

Left Out: -1044.596 $\pm$ 1103.988 χ^2/NDF : 16.4/15

Right Out: -866.976 $\pm$ 1307.223 χ^2/NDF : 15.6/18

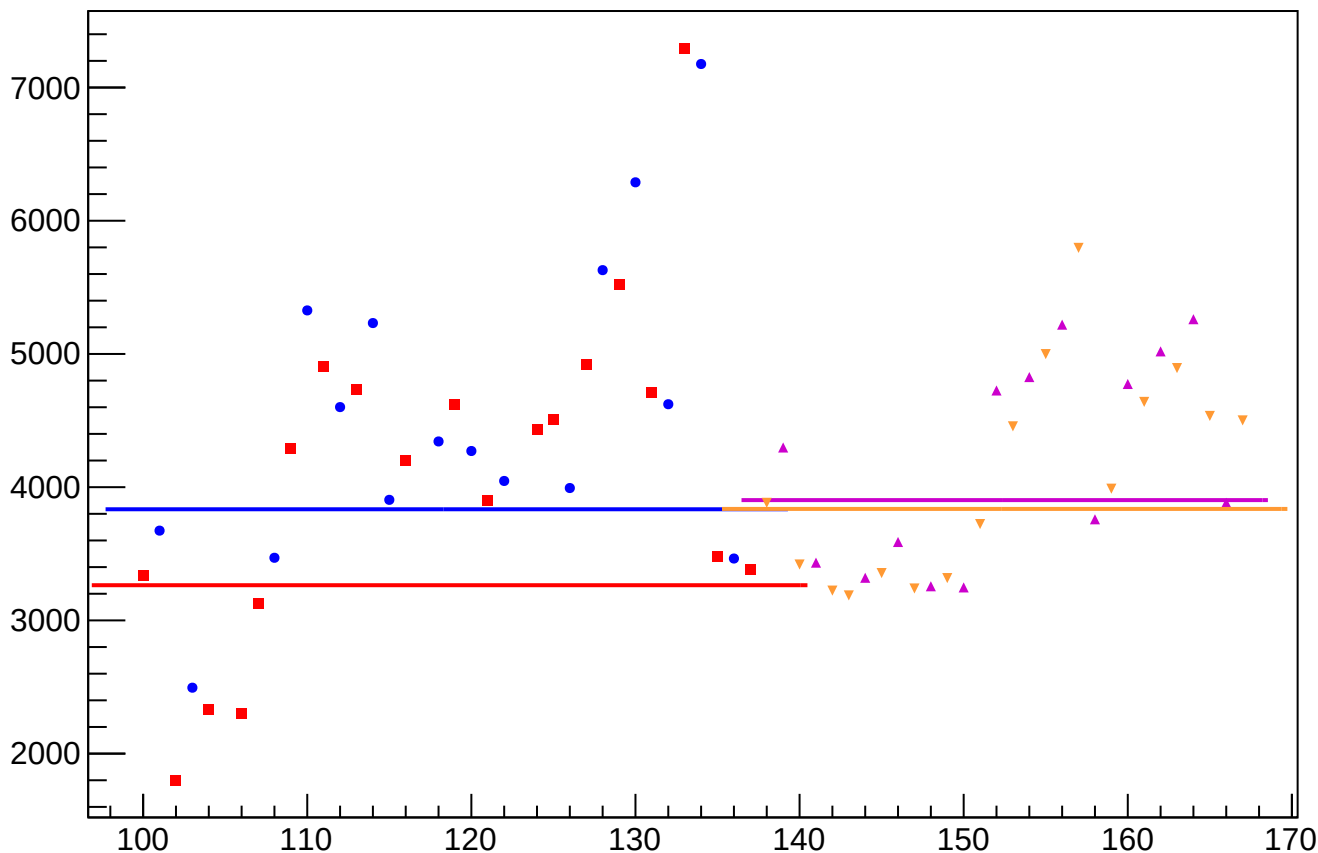
Left In: 1091.702 $\pm$ 1170.190 χ^2/NDF : 10.4/13

+ sign -272.865 $\pm$ 884.756 χ^2/NDF : 31.1/31

All: -22.633 $\pm$ 621.016 χ^2/NDF : 58.5/64

- sign 220.373 $\pm$ 871.885 χ^2/NDF : 27.3/32

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164 ± 1.046 $\chi^2/\text{NDF}: 956775.6/15$

Left Out: 3836.791 ± 0.781 $\chi^2/\text{NDF}: 752147.3/15$

Right Out: 3264.110 ± 0.924 $\chi^2/\text{NDF}: 1864241.4/18$

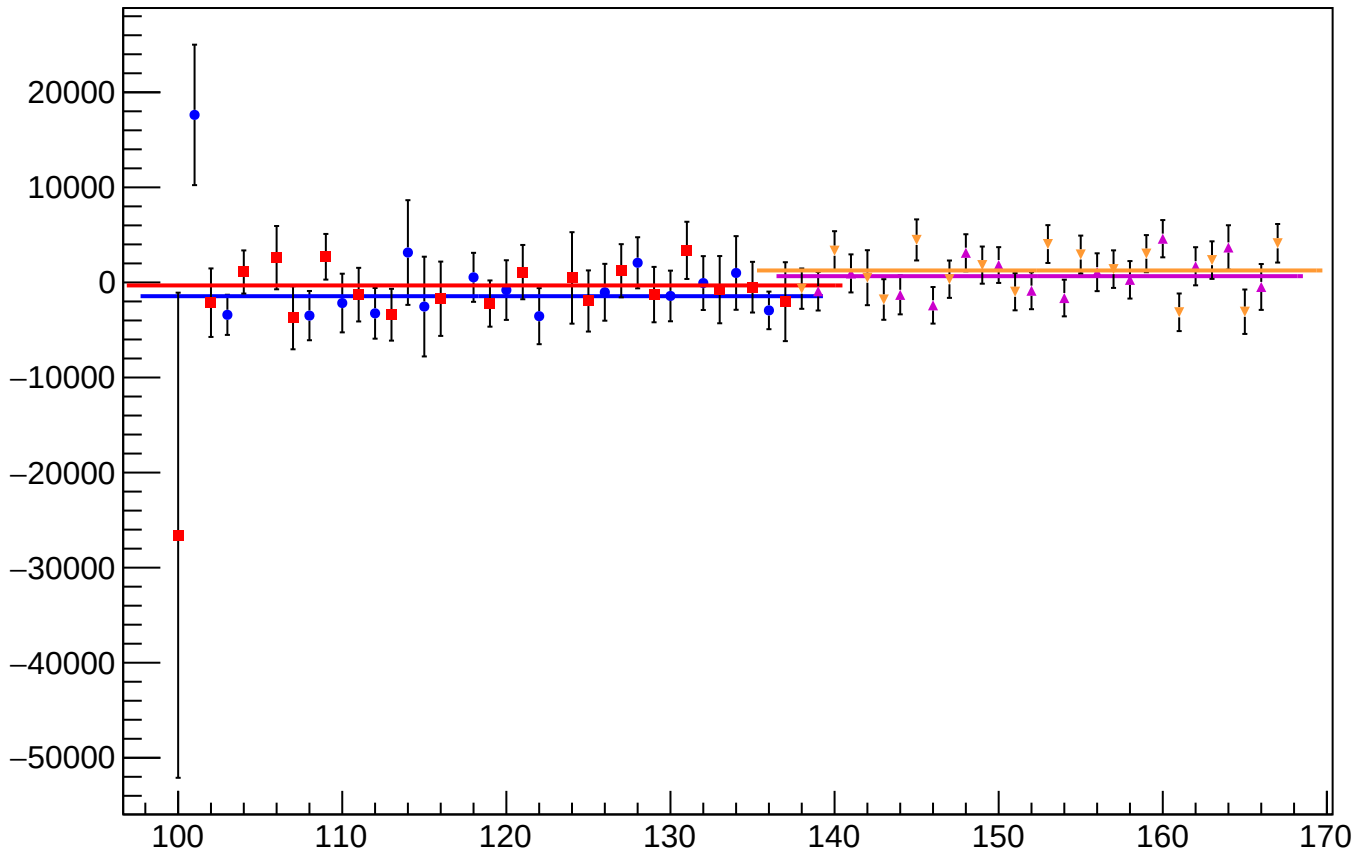
Left In: 3902.927 ± 0.827 $\chi^2/\text{NDF}: 691127.0/13$

+ sign 3835.851 ± 0.626 $\chi^2/\text{NDF}: 1708926.9/31$

All: 3725.708 ± 0.439 $\chi^2/\text{NDF}: 4590539.5/64$

- sign 3618.746 ± 0.617 $\chi^2/\text{NDF}: 2820516.6/32$

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1260.111 ± 515.800 χ^2/NDF : 22.0/15

Right Out: -315.462 ± 703.596 χ^2/NDF : 9.9/18

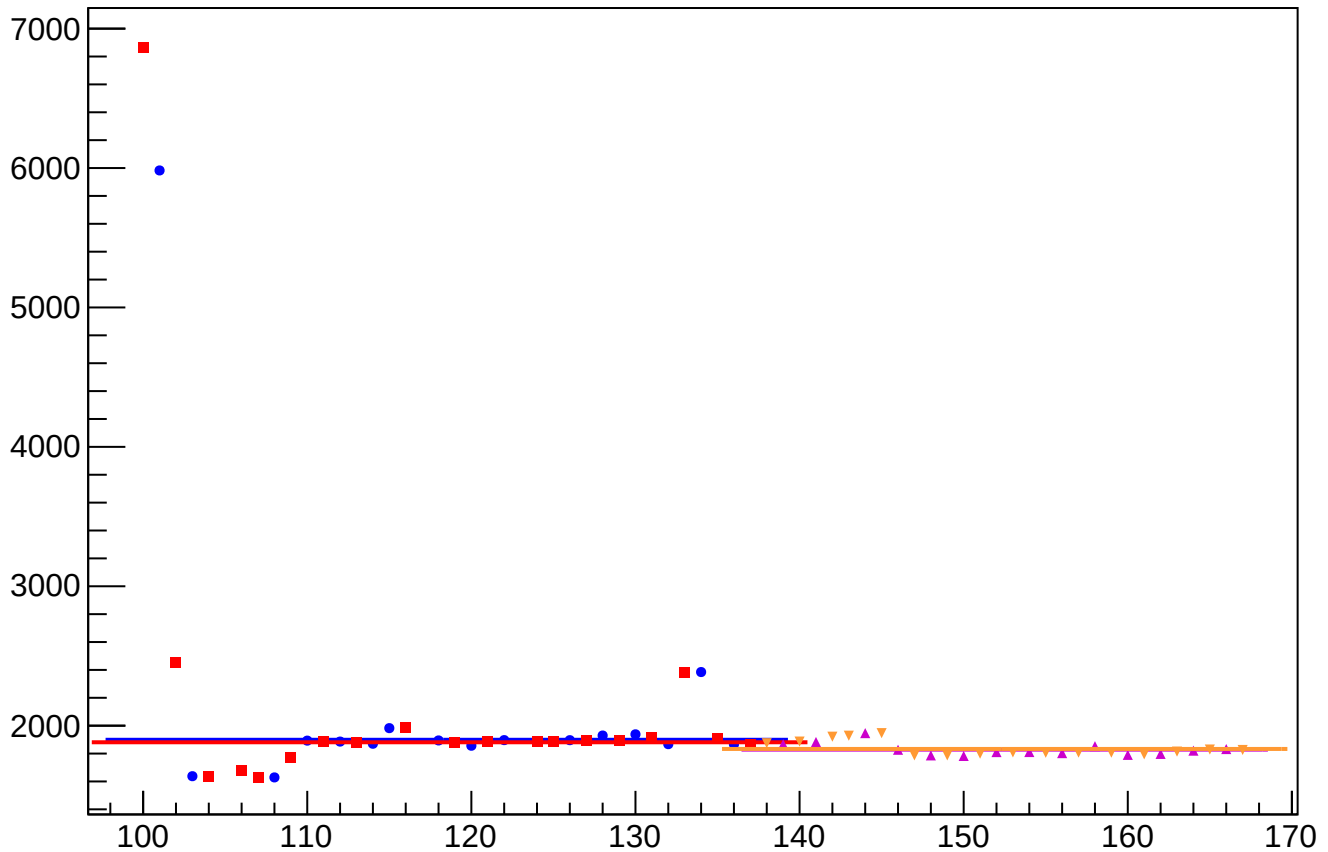
Left In: 659.107 ± 538.166 χ^2/NDF : 14.4/13

+ sign 347.279 ± 419.924 χ^2/NDF : 44.7/31

All: 323.761 ± 299.560 χ^2/NDF : 70.2/64

- sign 299.392 ± 427.461 χ^2/NDF : 25.5/32

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF : 18635.5/15

Right Out: 1881.007+/-0.497 χ^2/NDF : 216564.4/18

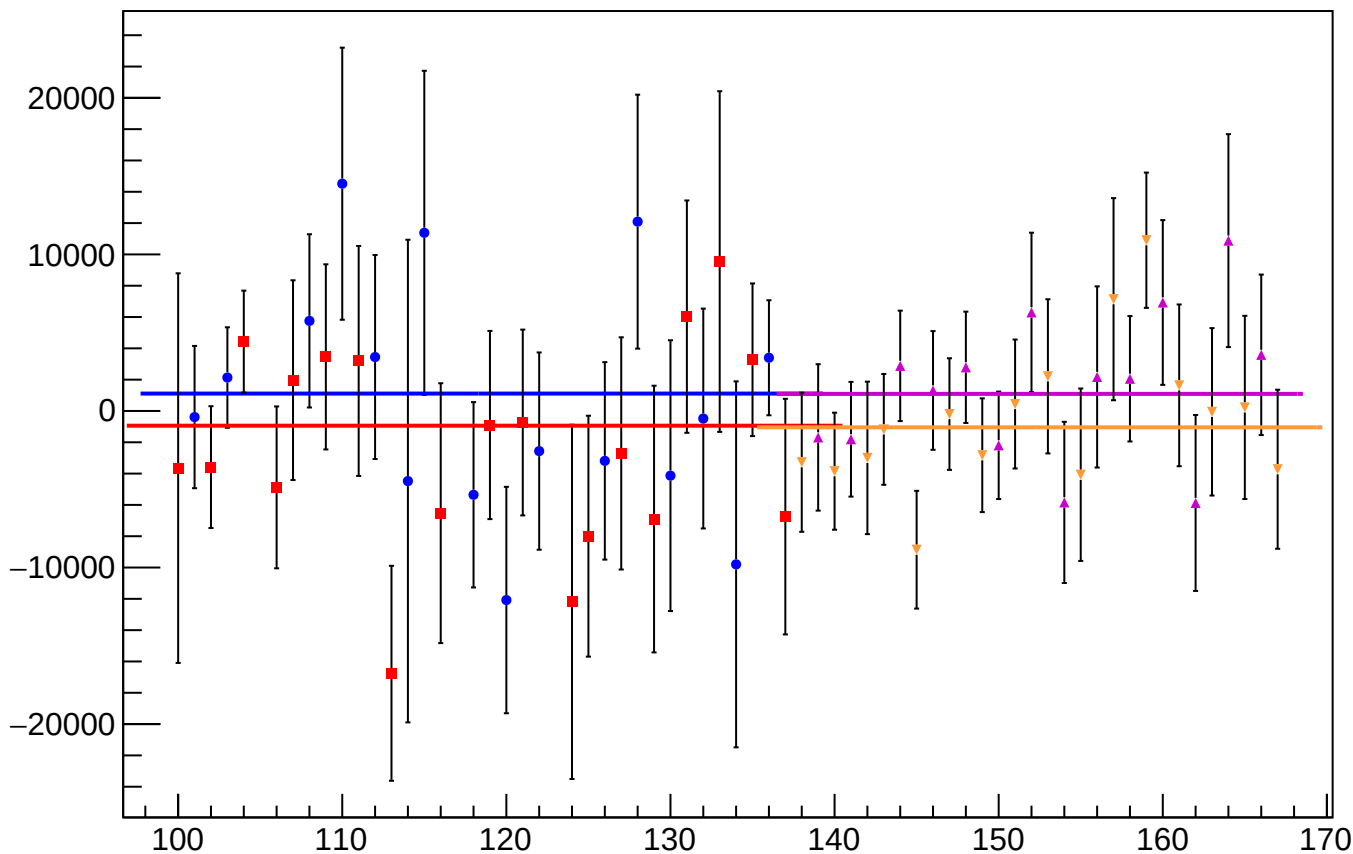
Left In: 1828.298+/-0.381 χ^2/NDF : 13141.6/13

+ sign 1855.261+/-0.297 χ^2/NDF : 727101.6/31

All: 1851.590+/-0.212 χ^2/NDF : 964213.5/64

- sign 1847.791+/-0.302 χ^2/NDF : 236801.0/32

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF : 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF : 16.4/15

Right Out: -940.712+/-1398.993 χ^2/NDF : 16.2/18

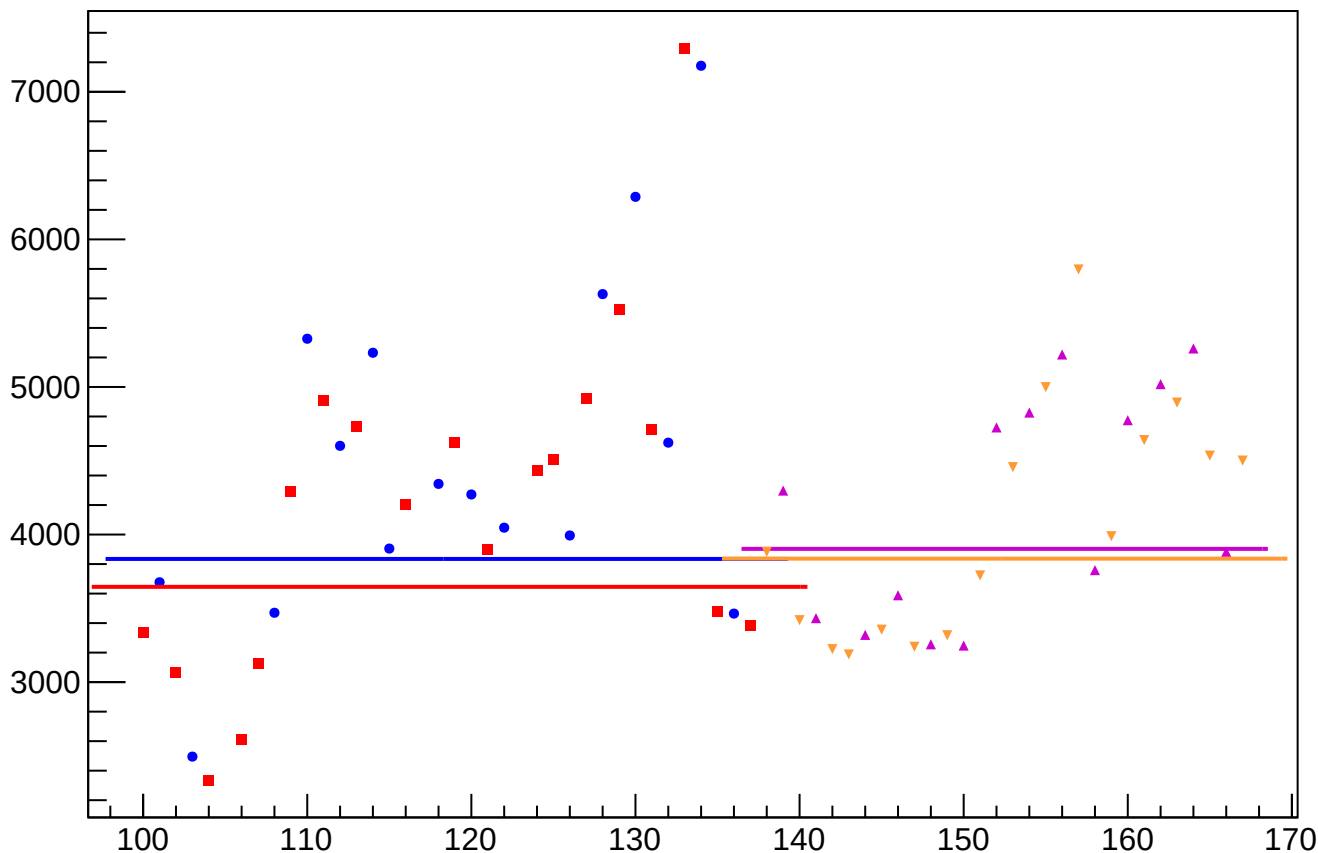
Left In: 1091.783+/-1170.189 χ^2/NDF : 10.4/13

+ sign -273.369+/-884.792 χ^2/NDF : 31.1/31

All: -12.918+/-630.117 χ^2/NDF : 59.1/64

- sign 255.119+/-897.586 χ^2/NDF : 27.8/32

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF : 752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

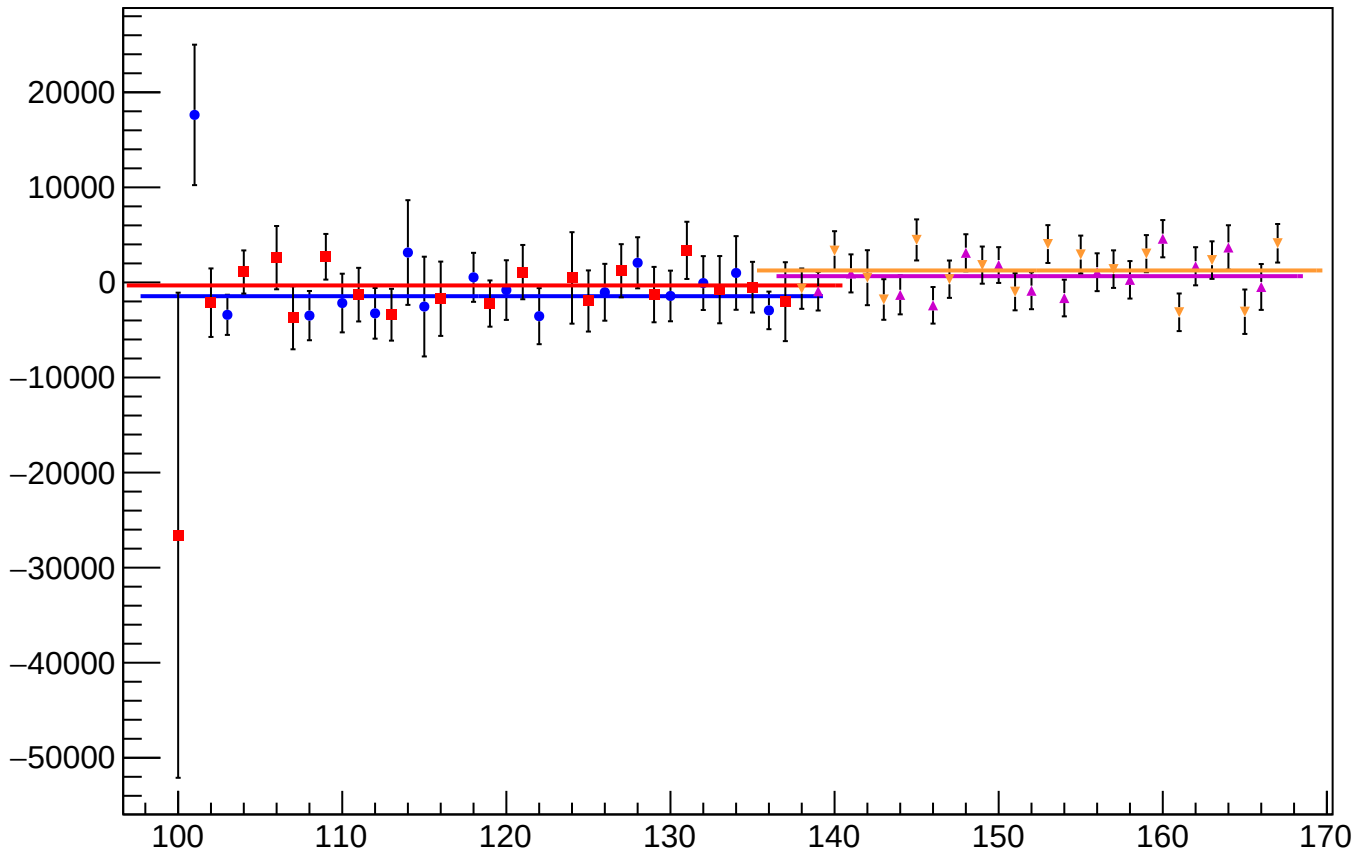
Left In: 3902.921+/-0.827 χ^2/NDF : 691140.8/13

+ sign 3836.038+/-0.626 χ^2/NDF : 1708458.9/31

All: 3816.815+/-0.446 χ^2/NDF : 3566278.7/64

- sign 3797.033+/-0.635 χ^2/NDF : 1855904.4/32

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933 $\pm$ 723.140 χ^2 /NDF: 13.5/15

Left Out: 1260.111 $\pm$ 515.800 χ^2 /NDF: 22.0/15

Right Out: -315.462 $\pm$ 703.596 χ^2 /NDF: 9.9/18

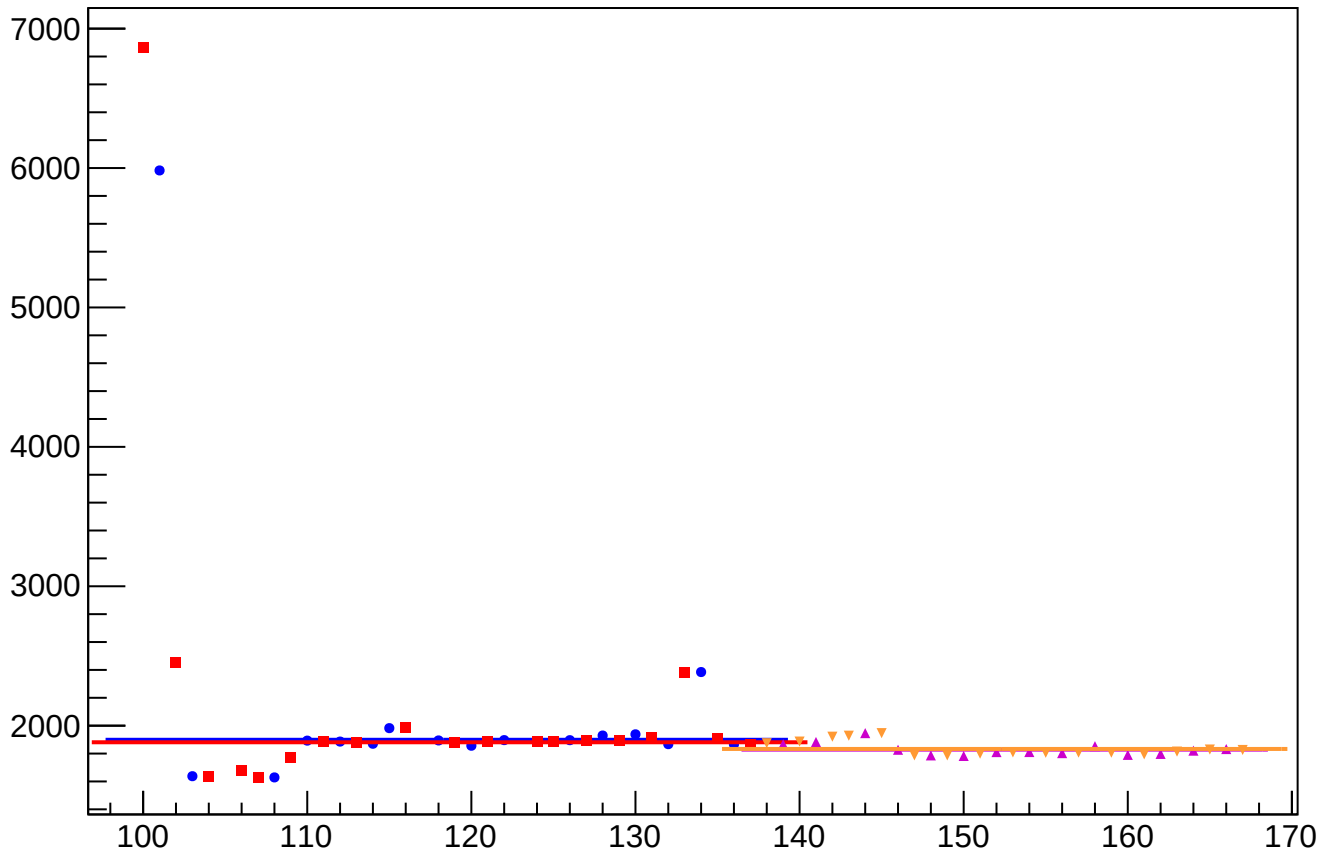
Left In: 659.107 $\pm$ 538.166 χ^2 /NDF: 14.4/13

+ sign 347.279 $\pm$ 419.924 χ^2 /NDF: 44.7/31

All: 323.761 $\pm$ 299.560 χ^2 /NDF: 70.2/64

- sign 299.392 $\pm$ 427.461 χ^2 /NDF: 25.5/32

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF : 18635.5/15

+ sign 1855.261+/-0.297 χ^2/NDF : 727101.6/31

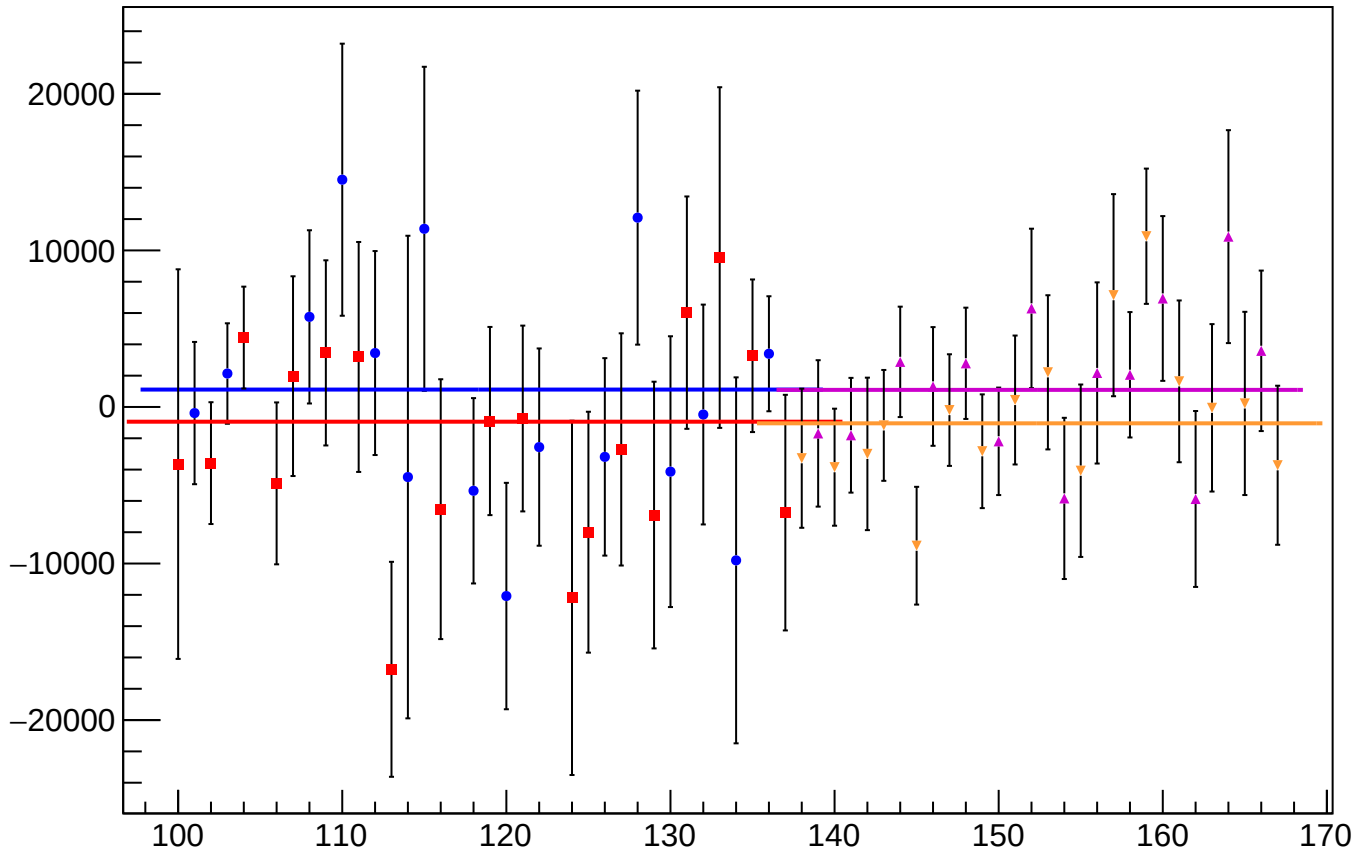
Right Out: 1881.007+/-0.497 χ^2/NDF : 216564.4/18

All: 1851.590+/-0.212 χ^2/NDF : 964213.5/64

- sign 1847.791+/-0.302 χ^2/NDF : 236801.0/32

Left In: 1828.298+/-0.381 χ^2/NDF : 13141.6/13

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF : 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF : 16.4/15

Right Out: -940.712+/-1398.993 χ^2/NDF : 16.2/18

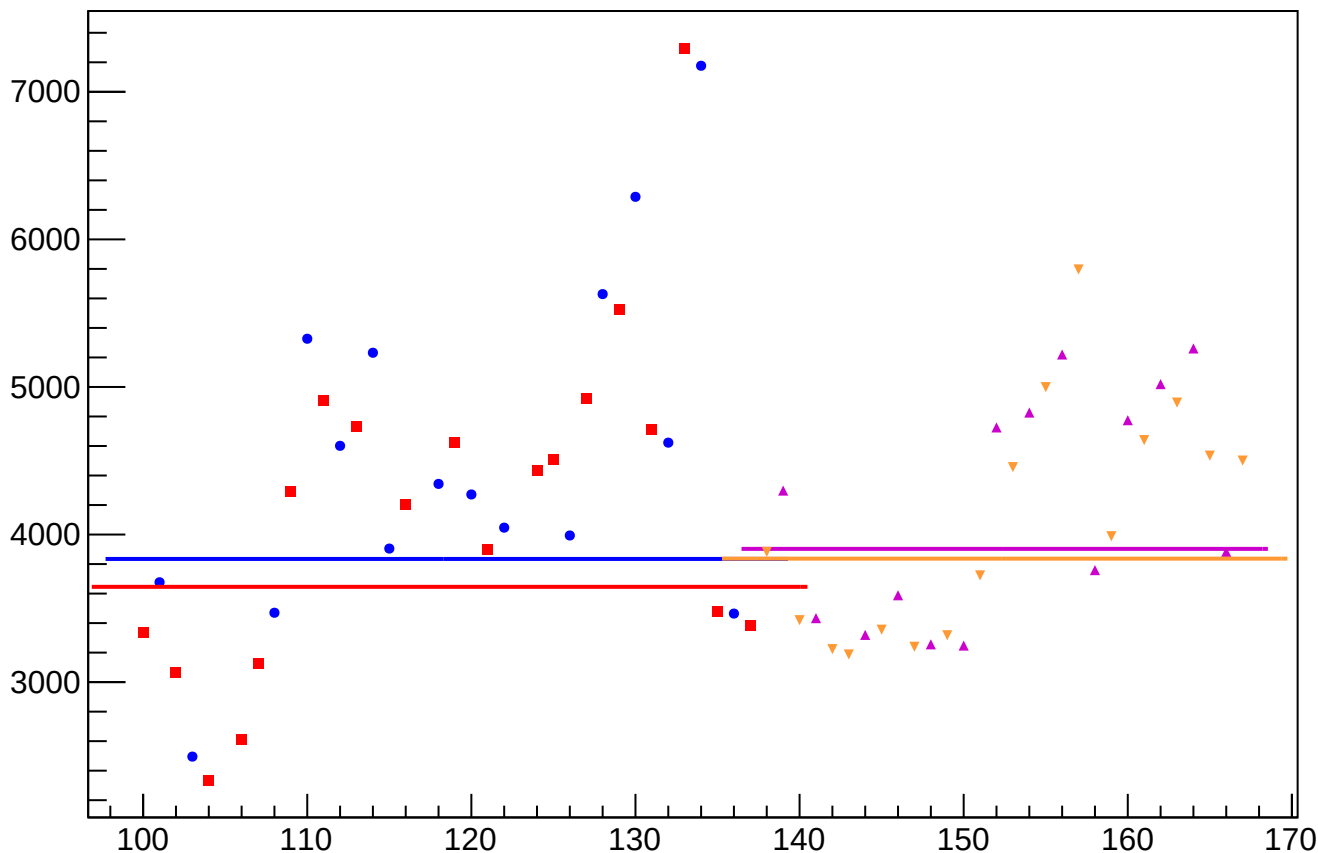
Left In: 1091.783+/-1170.189 χ^2/NDF : 10.4/13

+ sign -273.369+/-884.792 χ^2/NDF : 31.1/31

All: -12.918+/-630.117 χ^2/NDF : 59.1/64

- sign 255.119+/-897.586 χ^2/NDF : 27.8/32

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF : 752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

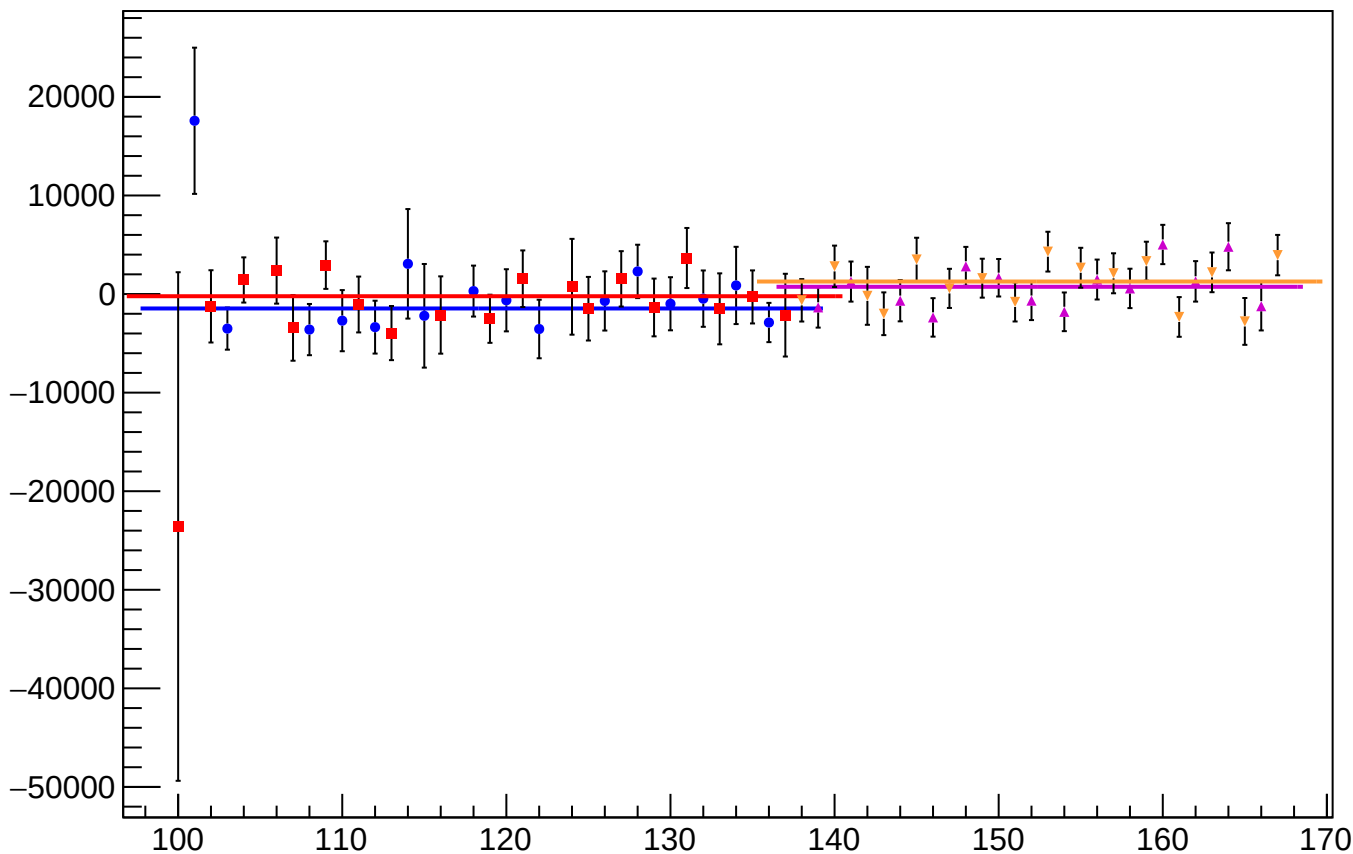
Left In: 3902.921+/-0.827 χ^2/NDF : 691140.8/13

+ sign 3836.038+/-0.626 χ^2/NDF : 1708458.9/31

All: 3816.815+/-0.446 χ^2/NDF : 3566278.7/64

- sign 3797.033+/-0.635 χ^2/NDF : 1855904.4/32

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640 ± 728.274 χ^2/NDF : 13.6/15

Left Out: 1271.062 ± 524.268 χ^2/NDF : 18.1/15

Right Out: -219.726 ± 708.852 χ^2/NDF : 10.8/18

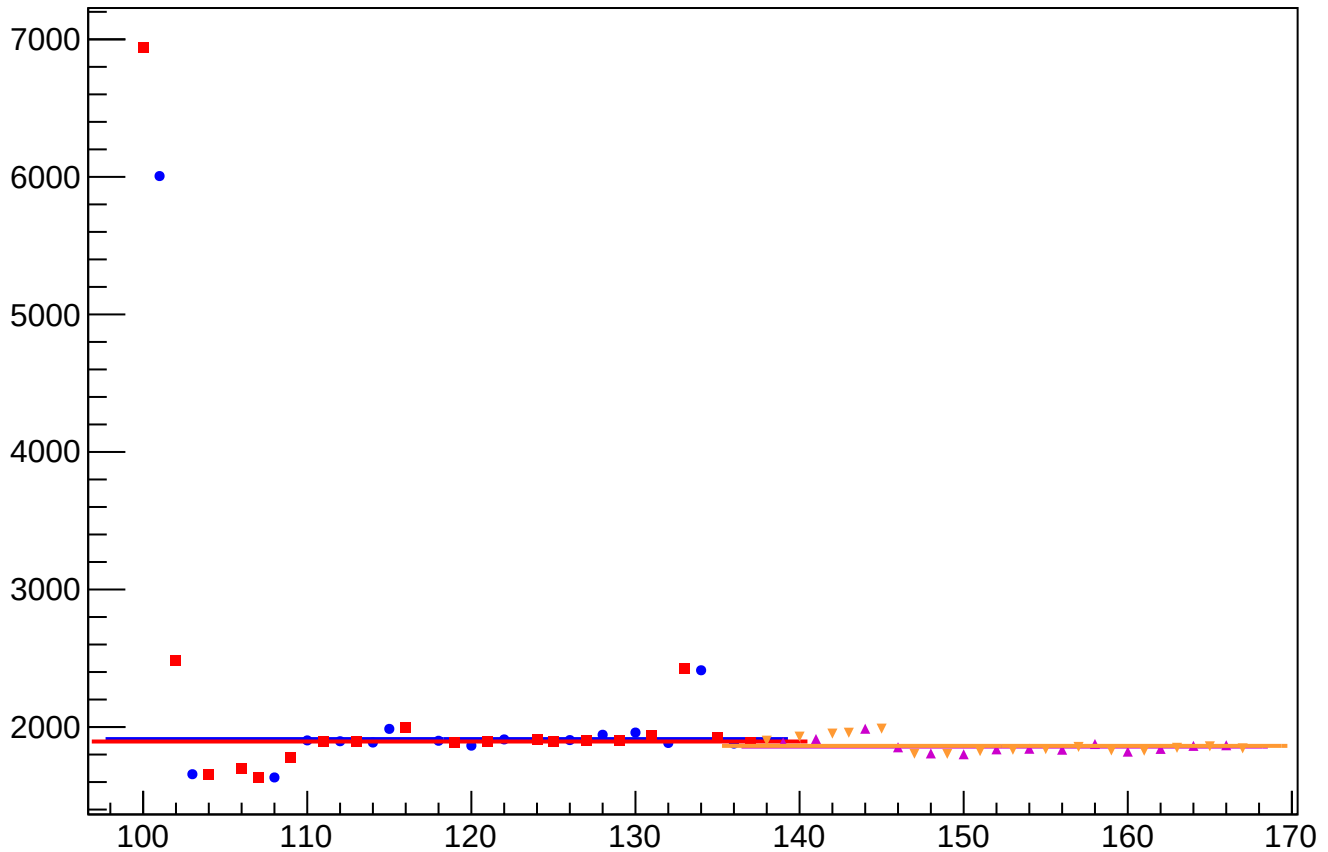
Left In: 736.281 ± 546.929 χ^2/NDF : 16.0/13

+ sign 337.954 ± 425.486 χ^2/NDF : 41.0/31

All: 358.377 ± 303.492 χ^2/NDF : 68.9/64

- sign 379.531 ± 433.019 χ^2/NDF : 27.9/32

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.3/15

Left Out: 1863.058+/-0.371 χ^2/NDF : 21084.5/15

+ sign 1879.893+/-0.301 χ^2/NDF : 723346.4/31

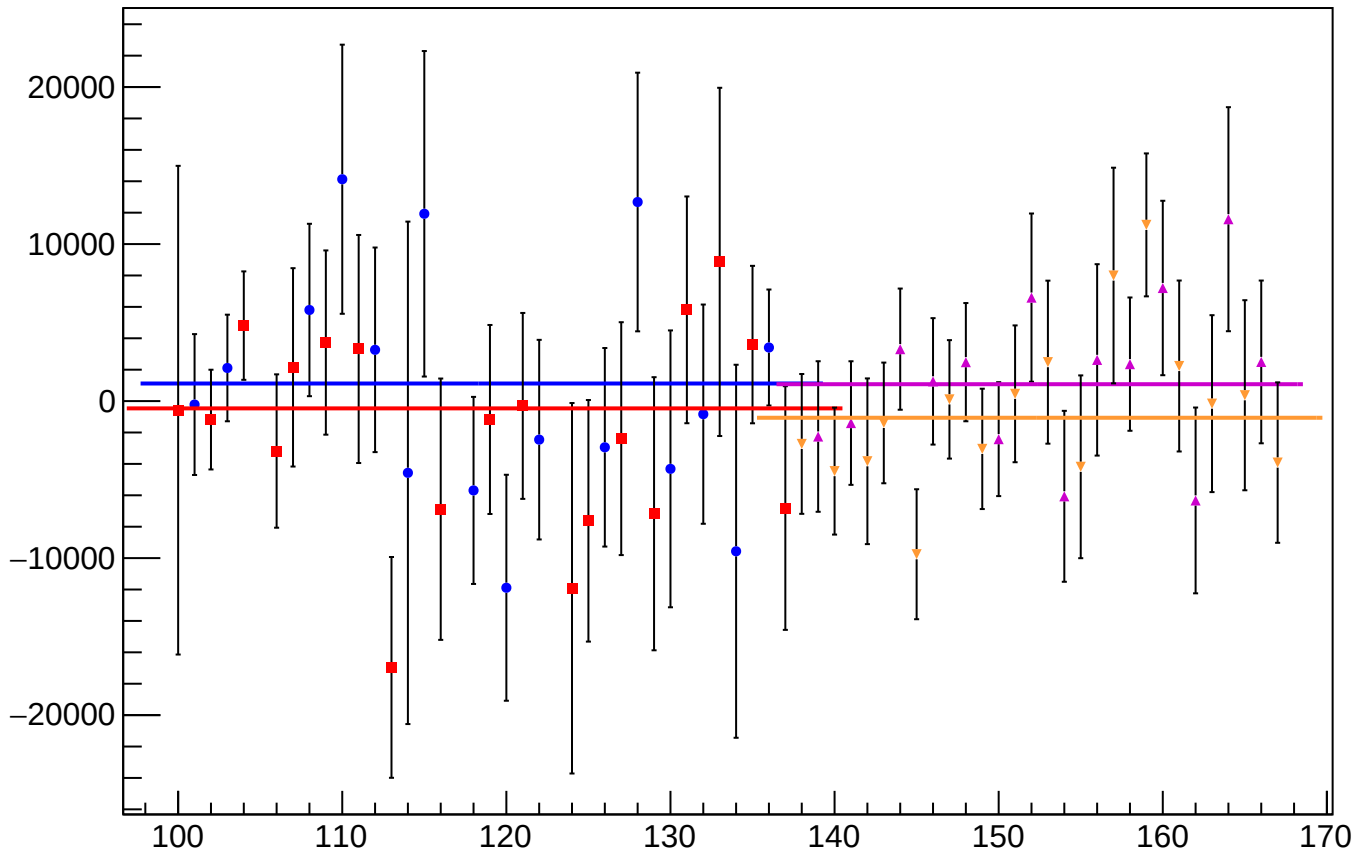
Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

All: 1875.880+/-0.215 χ^2/NDF : 961065.1/64

- sign 1871.728+/-0.306 χ^2/NDF : 237356.7/32

Left In: 1857.984+/-0.387 χ^2/NDF : 14195.5/13

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173 $\pm$ 1497.671 χ^2 /NDF: 13.5/15

Left Out: -1061.713 $\pm$ 1169.102 χ^2 /NDF: 16.6/15

Right Out: -464.368 $\pm$ 1370.818 χ^2 /NDF: 15.0/18

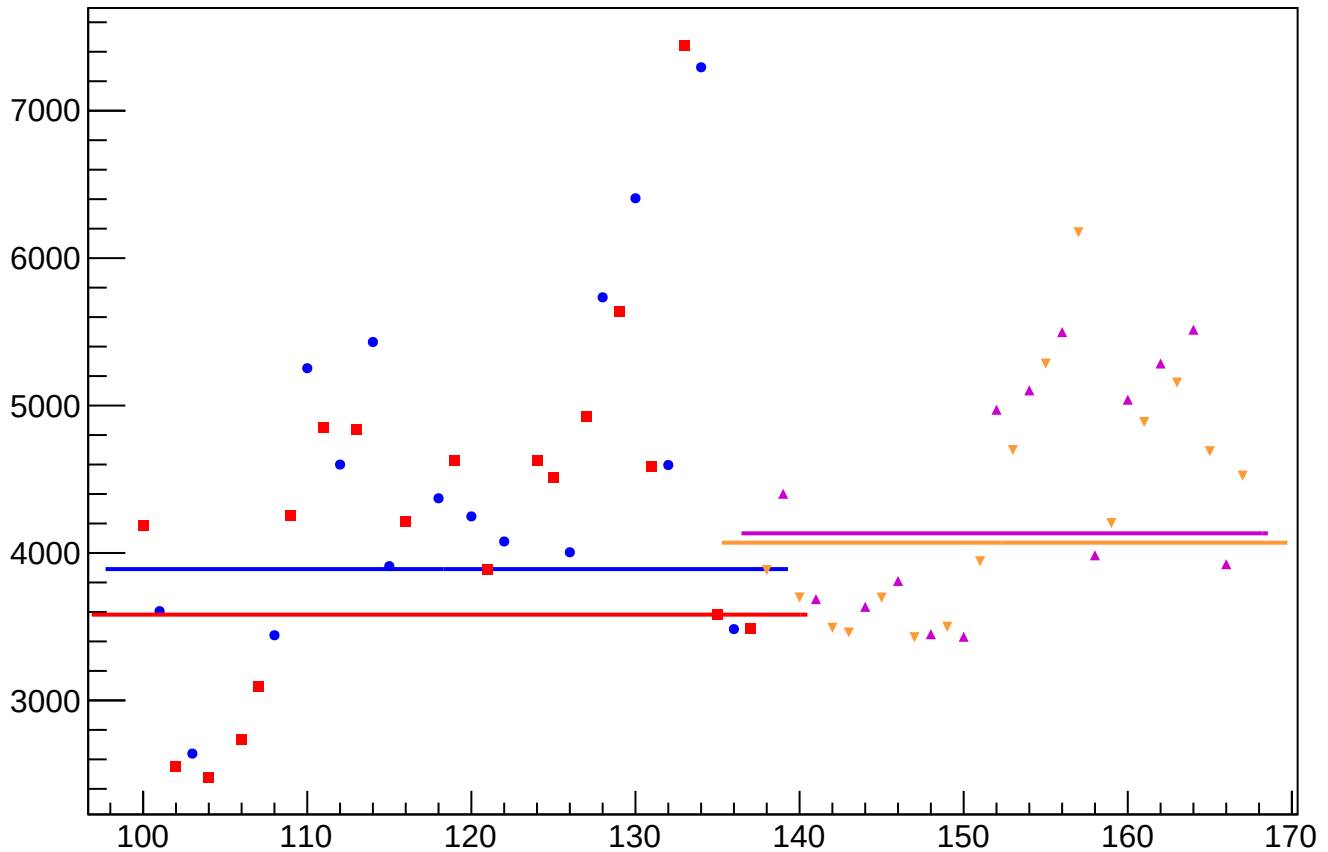
Left In: 1075.413 $\pm$ 1238.099 χ^2 /NDF: 10.2/13

+ sign -235.577 $\pm$ 921.565 χ^2 /NDF: 31.3/31

All: 74.962 $\pm$ 650.671 χ^2 /NDF: 57.5/64

- sign 383.651 $\pm$ 918.816 χ^2 /NDF: 26.0/32

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF : 878418.2/15

Left Out: 4069.766+/-0.827 χ^2/NDF : 677150.2/15

+ sign 4001.969+/-0.652 χ^2/NDF : 1573332.1/31

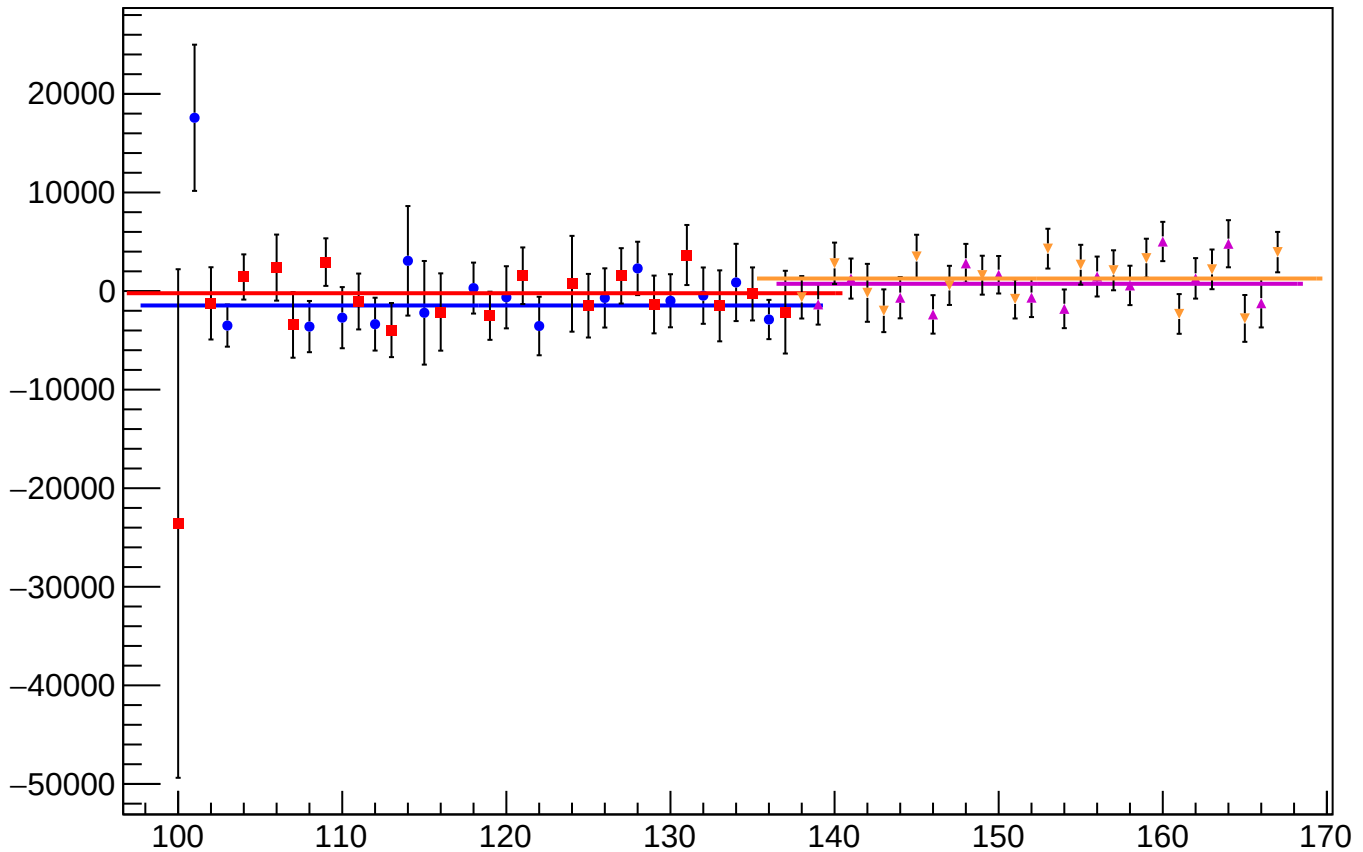
Right Out: 3581.780+/-0.969 χ^2/NDF : 1221855.2/18

All: 3943.589+/-0.460 χ^2/NDF : 3631242.9/64

Left In: 4133.359+/-0.875 χ^2/NDF : 641718.1/13

- sign 3885.557+/-0.650 χ^2/NDF : 2041906.6/32

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646 ± 728.274 χ^2/NDF : 13.6/15

Left Out: 1271.071 ± 524.268 χ^2/NDF : 18.1/15

Right Out: -219.720 ± 708.852 χ^2/NDF : 10.8/18

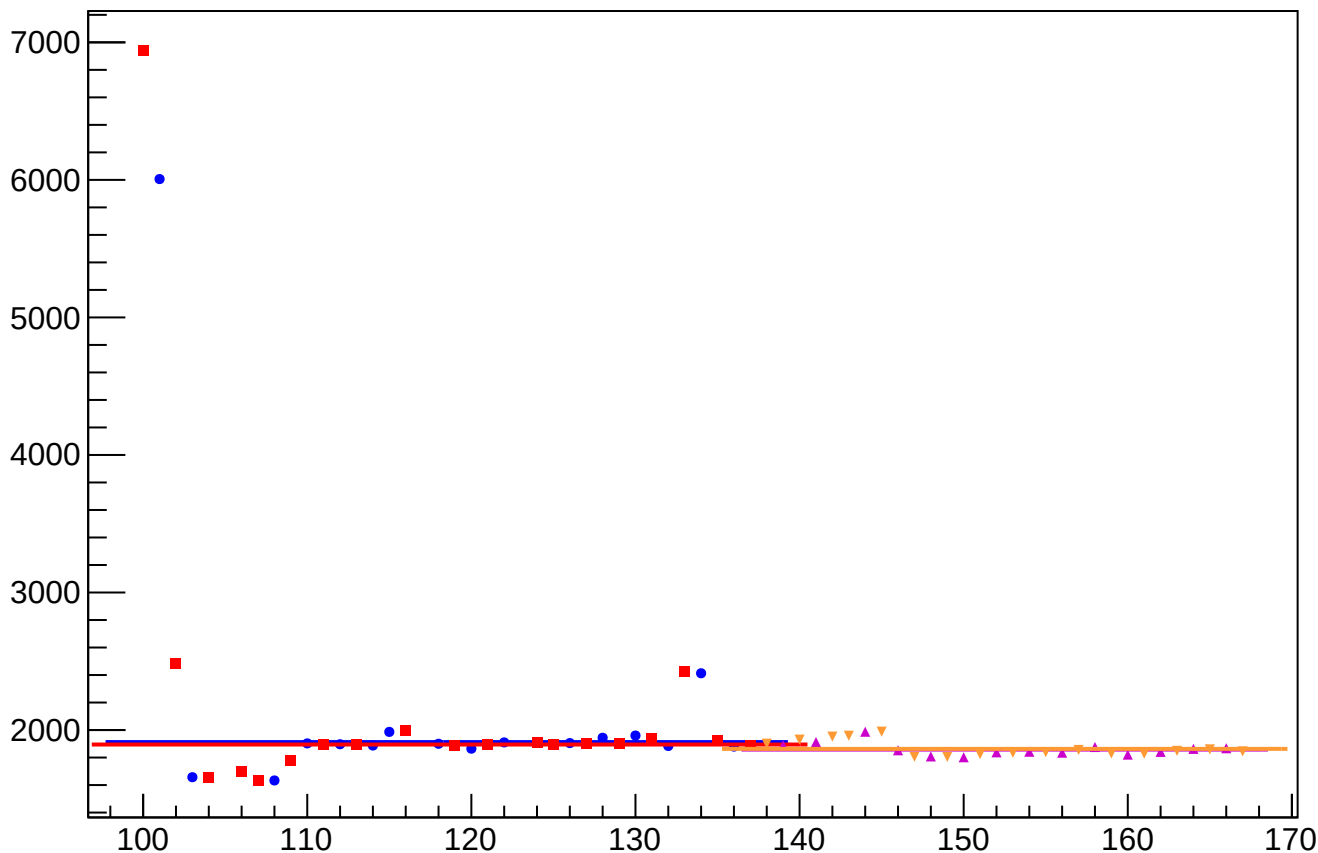
Left In: 736.283 ± 546.929 χ^2/NDF : 16.0/13

+ sign 337.957 ± 425.486 χ^2/NDF : 41.0/31

All: 358.380 ± 303.492 χ^2/NDF : 68.9/64

- sign 379.534 ± 433.019 χ^2/NDF : 27.9/32

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.1/15

Left Out: 1863.059+/-0.371 χ^2/NDF : 21084.5/15

Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

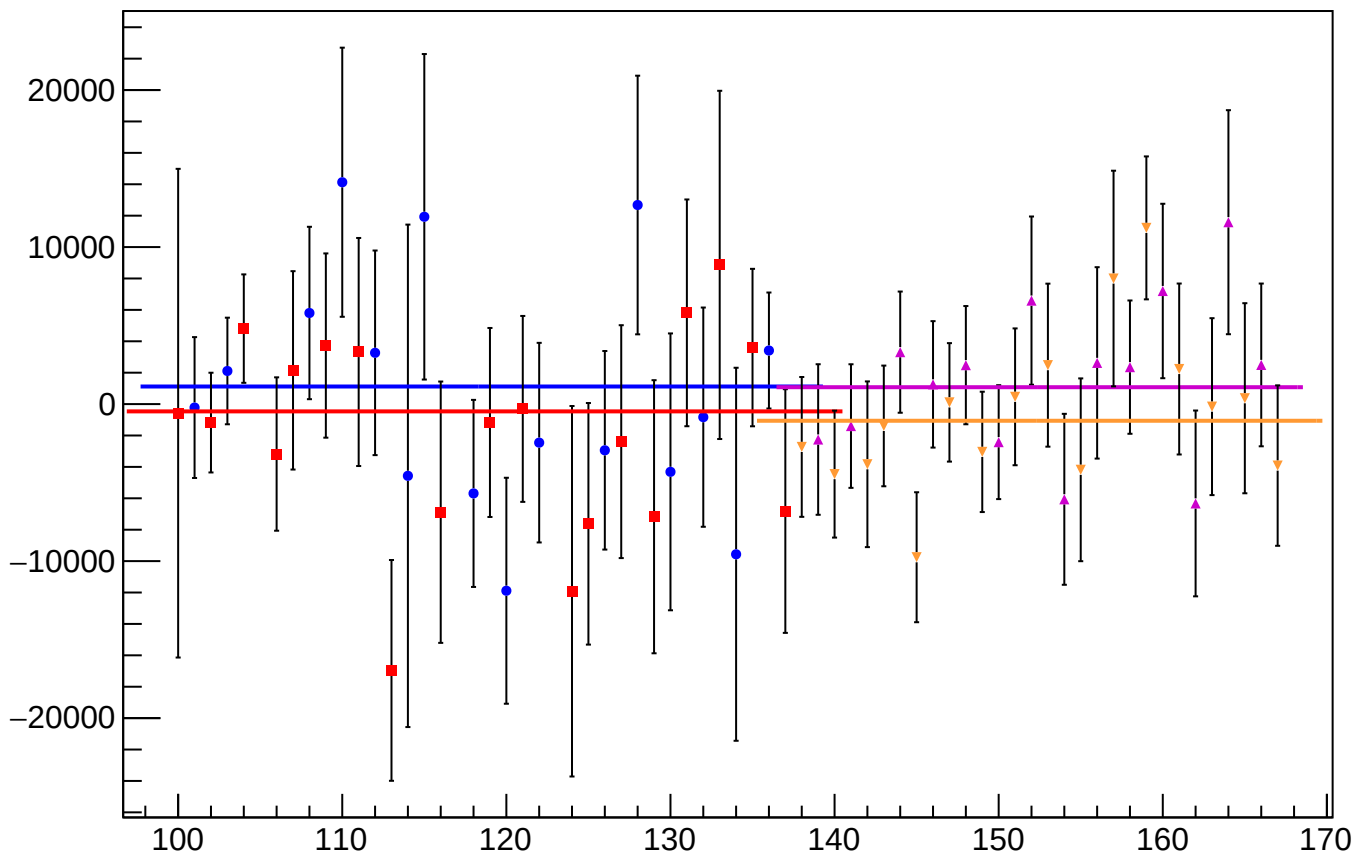
Left In: 1857.985+/-0.387 χ^2/NDF : 14195.4/13

+ sign 1879.893+/-0.301 χ^2/NDF : 723346.1/31

All: 1875.881+/-0.215 χ^2/NDF : 961064.5/64

- sign 1871.728+/-0.306 χ^2/NDF : 237356.5/32

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF : 13.5/15

Left Out: -1061.710+/-1169.104 χ^2/NDF : 16.6/15

Right Out: -464.367+/-1370.817 χ^2/NDF : 15.0/18

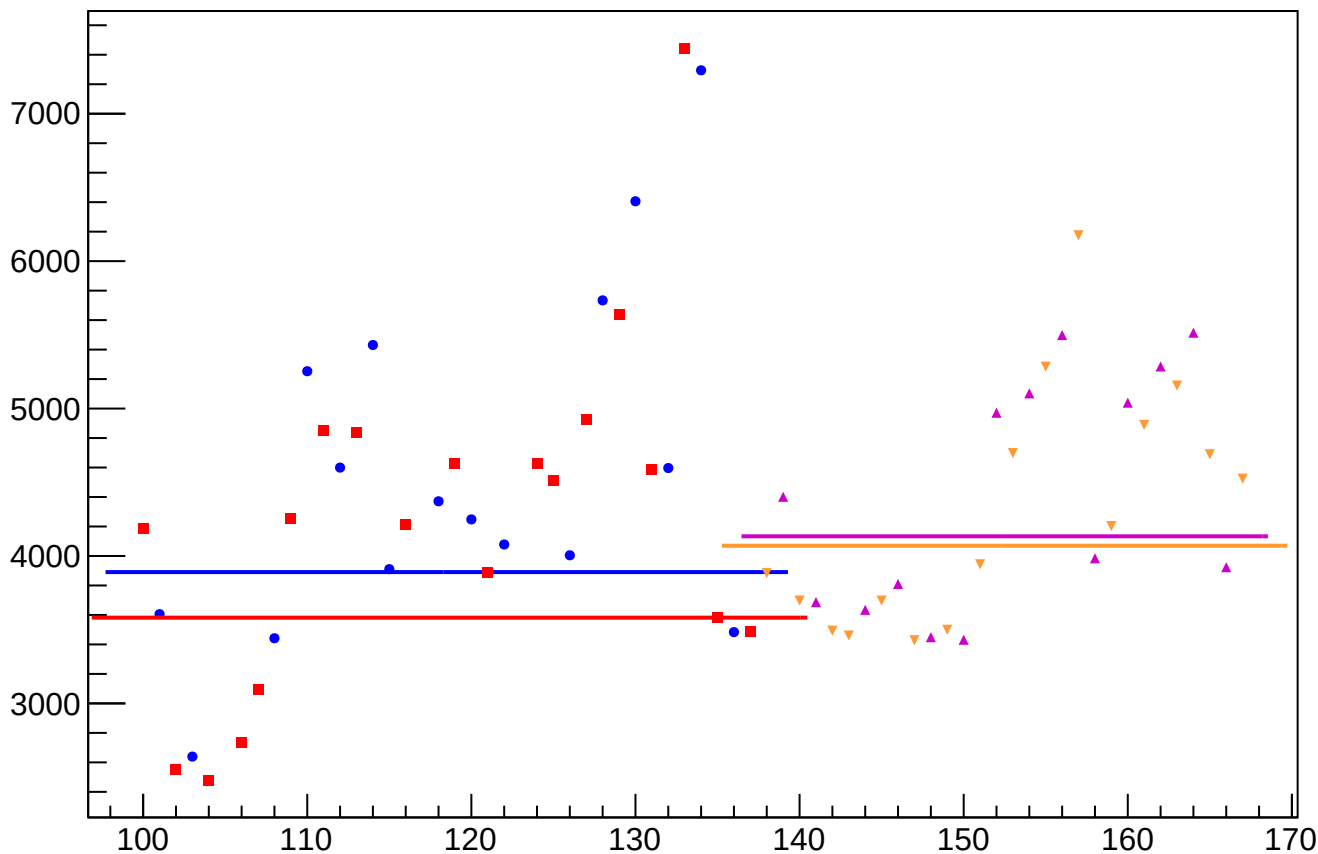
Left In: 1075.411+/-1238.101 χ^2/NDF : 10.2/13

+ sign -235.578+/-921.566 χ^2/NDF : 31.3/31

All: 74.960+/-650.671 χ^2/NDF : 57.5/64

- sign 383.648+/-918.817 χ^2/NDF : 26.0/32

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705 $\pm$ 1.059 χ^2/NDF : 878409.2/15

Left Out: 4069.773 $\pm$ 0.827 χ^2/NDF : 677151.9/15

Right Out: 3581.777 $\pm$ 0.969 χ^2/NDF : 1221846.6/18

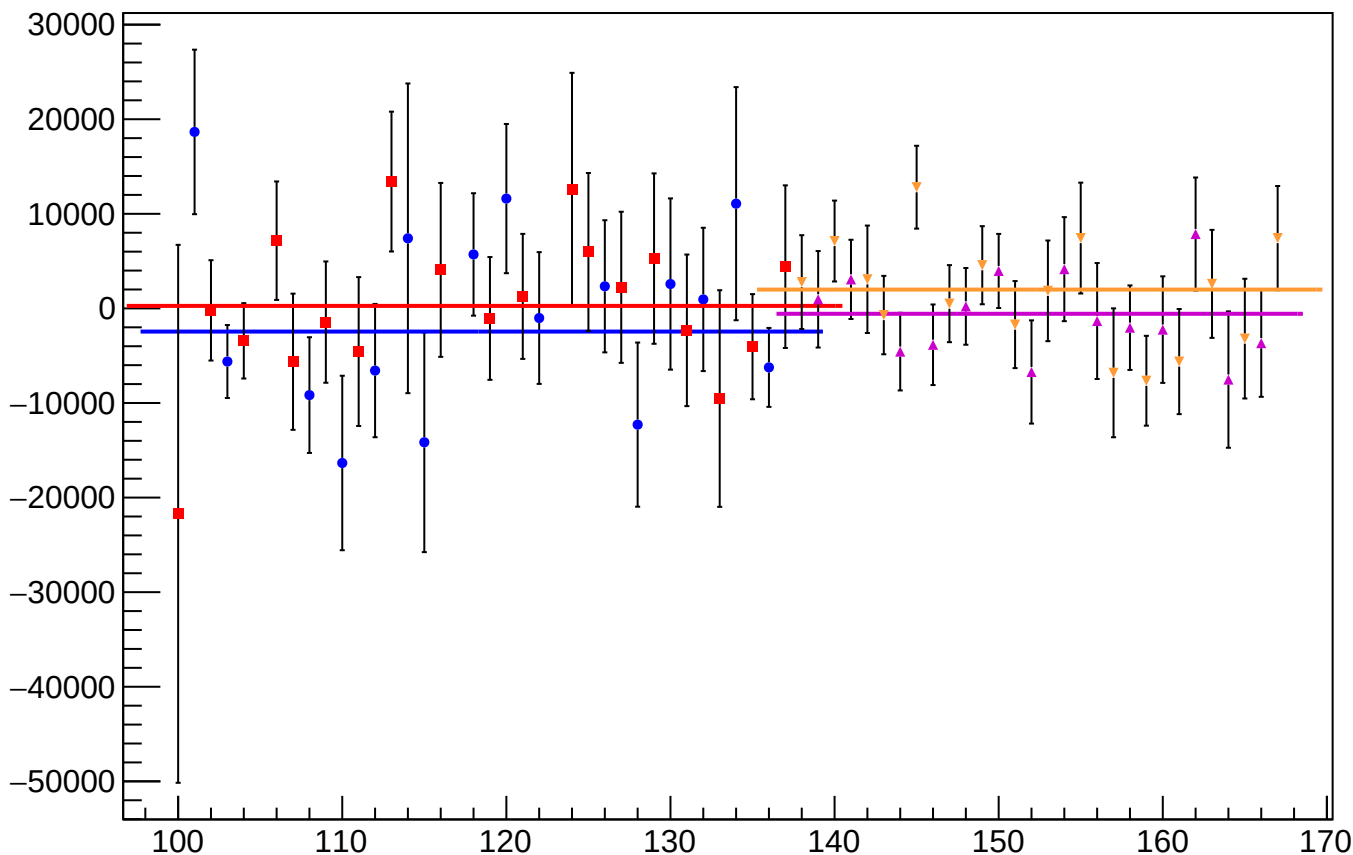
Left In: 4133.366 $\pm$ 0.875 χ^2/NDF : 641719.2/13

+ sign 4001.972 $\pm$ 0.652 χ^2/NDF : 1573326.7/31

All: 3943.591 $\pm$ 0.460 χ^2/NDF : 3631236.5/64

- sign 3885.558 $\pm$ 0.650 χ^2/NDF : 2041905.1/32

asym_atr_dd_mean vs Slug



Right In: -2448.262 ± 1719.694 χ^2/NDF : 20.9/15

Left Out: 1990.368 ± 1236.359 χ^2/NDF : 19.4/15

Right Out: 265.886 ± 1622.574 χ^2/NDF : 10.7/18

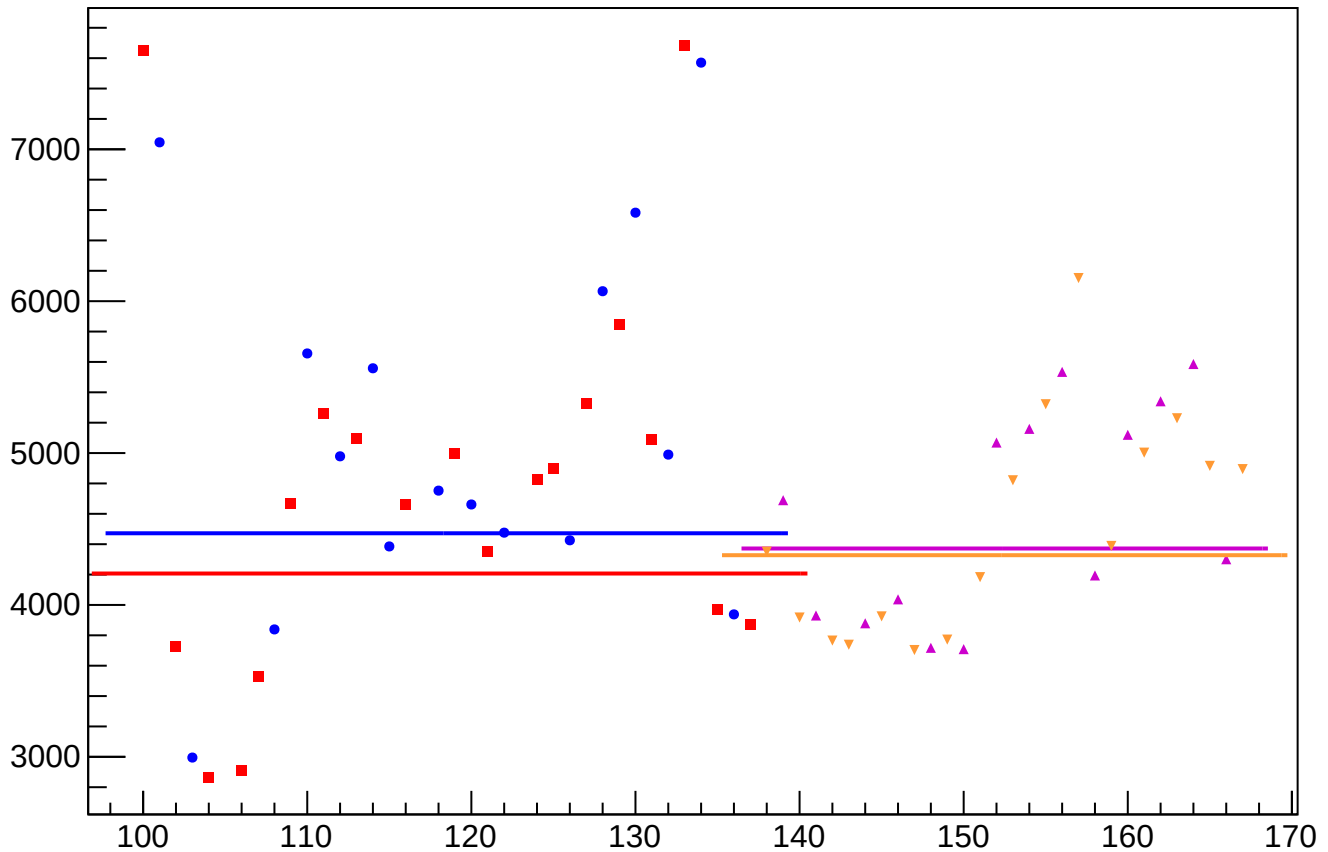
Left In: -569.104 ± 1302.967 χ^2/NDF : 9.2/13

+ sign 477.901 ± 1003.852 χ^2/NDF : 44.6/31

All: 122.383 ± 714.068 χ^2/NDF : 65.0/64

- sign -241.753 ± 1015.945 χ^2/NDF : 20.1/32

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF : 891678.4/15

Left Out: 4327.533+/-0.874 χ^2/NDF : 517016.3/15

+ sign 4376.728+/-0.710 χ^2/NDF : 1417987.4/31

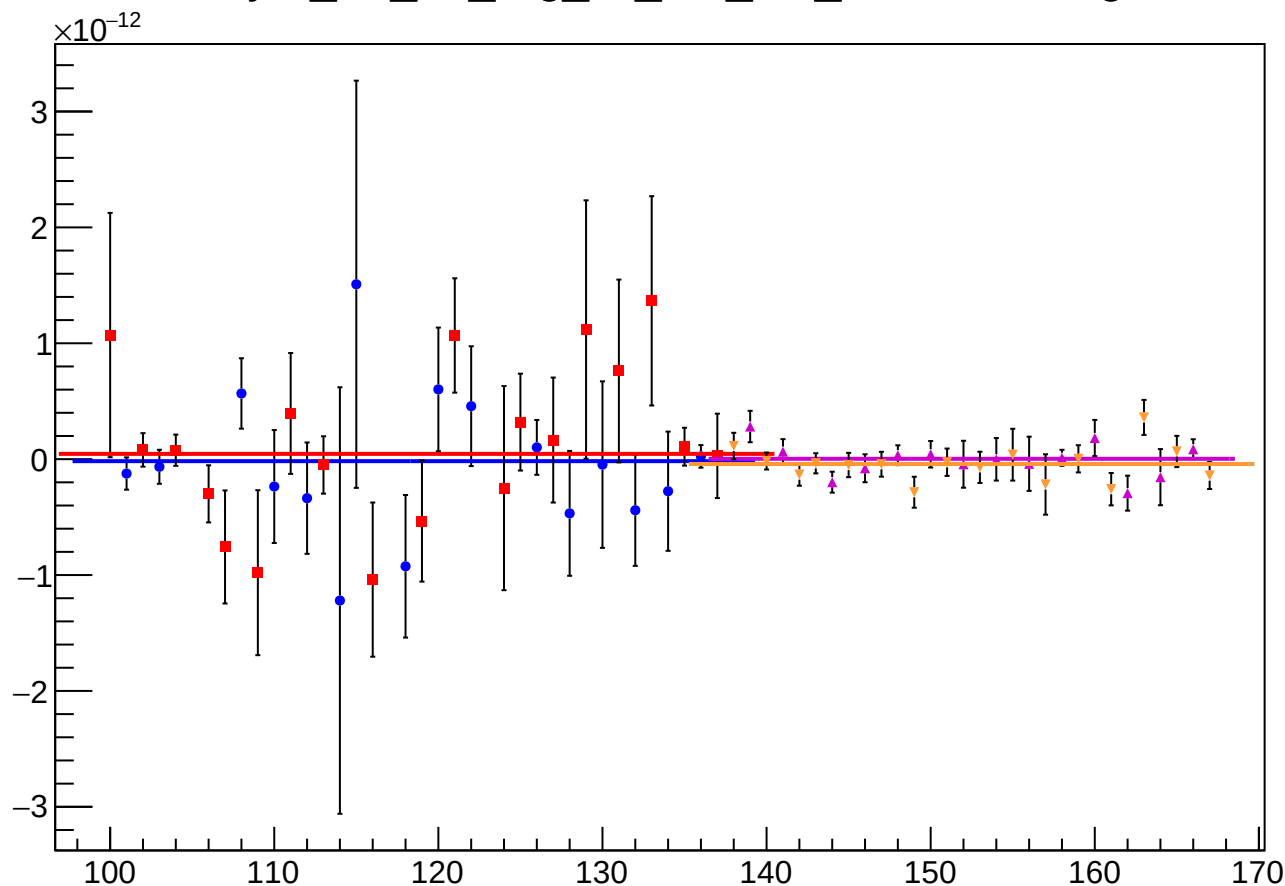
Right Out: 4206.907+/-1.138 χ^2/NDF : 846525.2/18

All: 4341.873+/-0.504 χ^2/NDF : 2756208.4/64

- sign 4306.403+/-0.716 χ^2/NDF : 1333356.3/32

Left In: 4371.622+/-0.921 χ^2/NDF : 474175.7/13

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 : 17.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.2/18

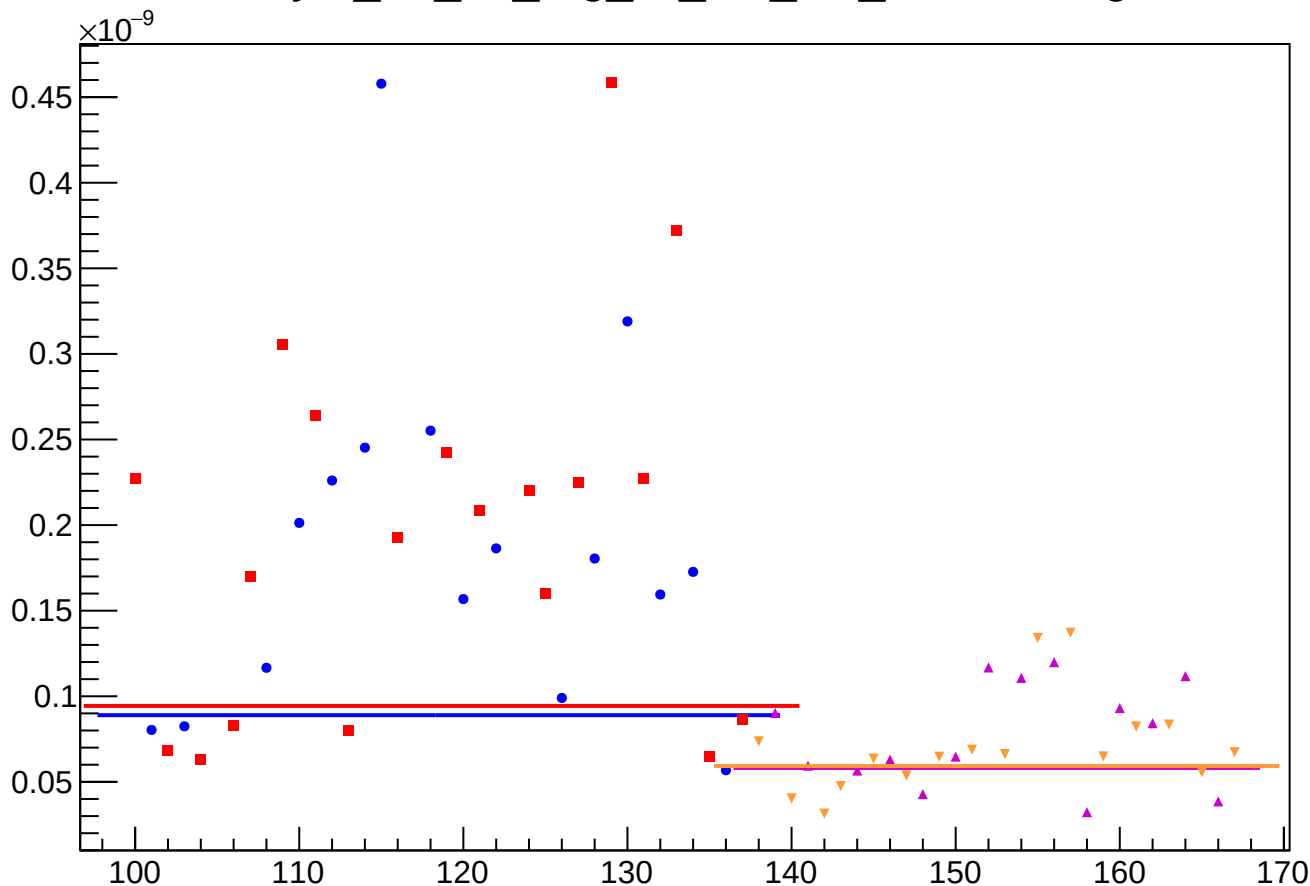
Left In: 0.000 ± 0.000 χ^2/NDF : 16.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 30.8/31

All: -0.000 ± 0.000 χ^2/NDF : 70.7/64

- sign 0.000 ± 0.000 χ^2/NDF : 38.4/32

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 : 923638.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1695078.0/18

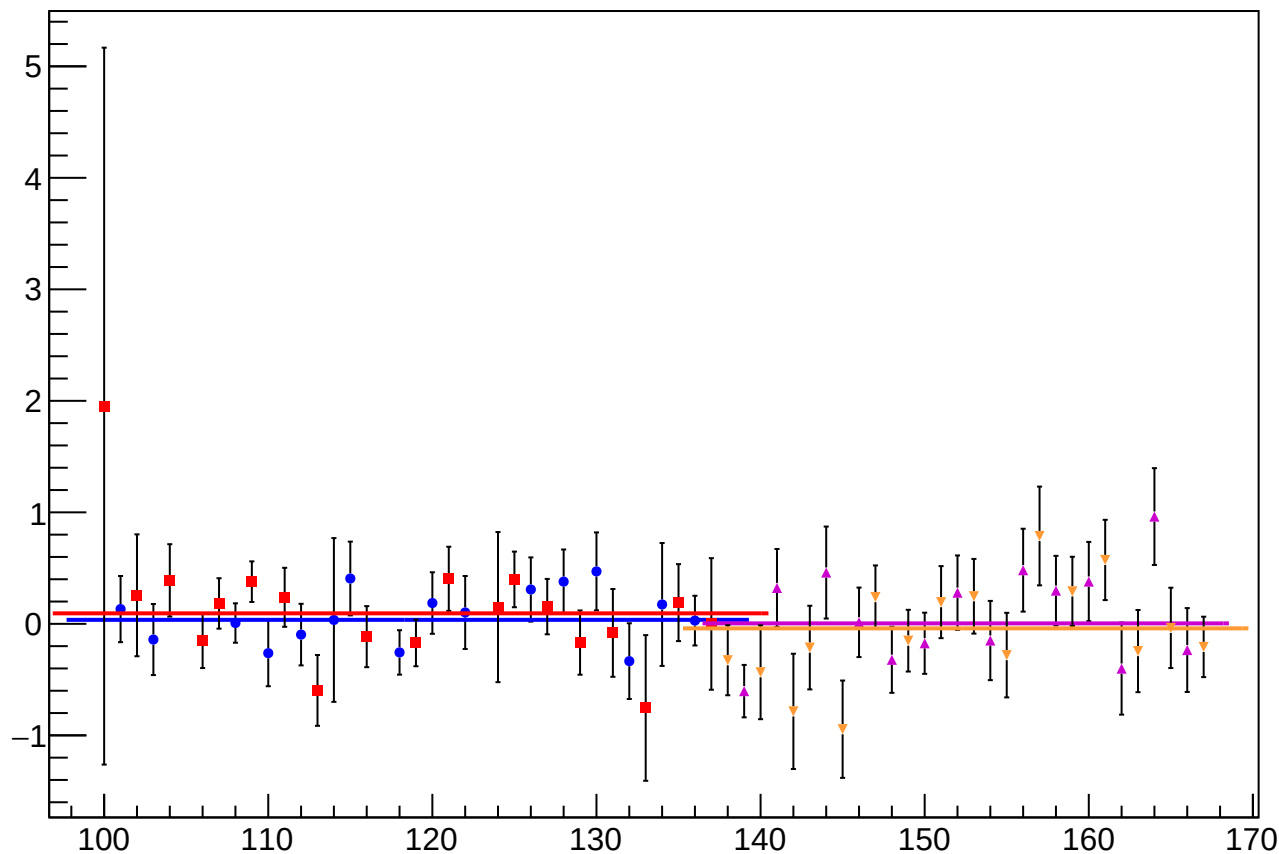
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1301165.9/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2536086.2/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6003403.9/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3467089.5/32

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 $\chi^2/\text{NDF}: 10.5/15$

Left Out: -0.041 ± 0.086 $\chi^2/\text{NDF}: 19.3/15$

Right Out: 0.094 ± 0.068 $\chi^2/\text{NDF}: 17.6/18$

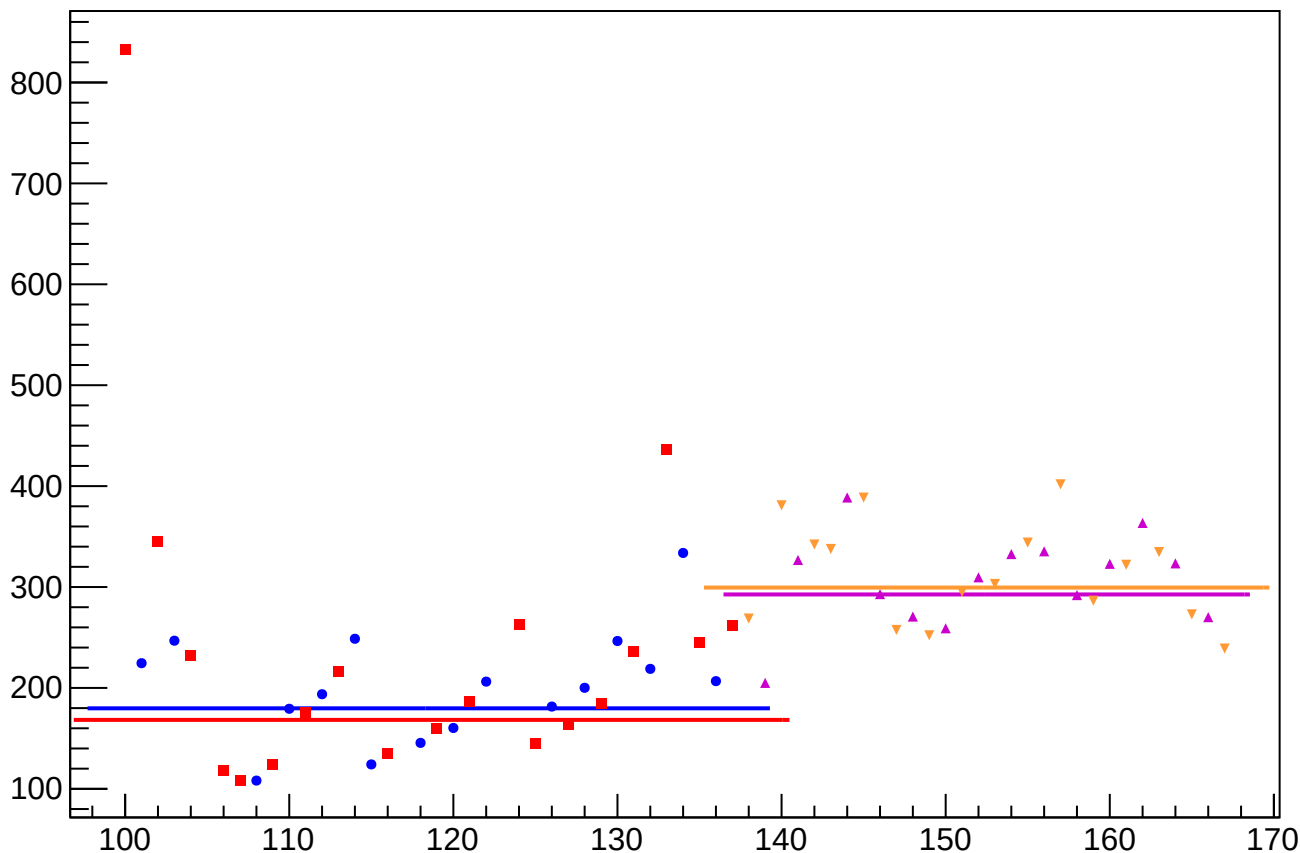
Left In: 0.004 ± 0.089 $\chi^2/\text{NDF}: 21.1/13$

+ sign 0.005 ± 0.055 $\chi^2/\text{NDF}: 30.3/31$

All: 0.034 ± 0.038 $\chi^2/\text{NDF}: 70.2/64$

- sign 0.061 ± 0.054 $\chi^2/\text{NDF}: 39.4/32$

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: 299.483 $\pm$ 0.061 χ^2 /NDF: 589457.3/15

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

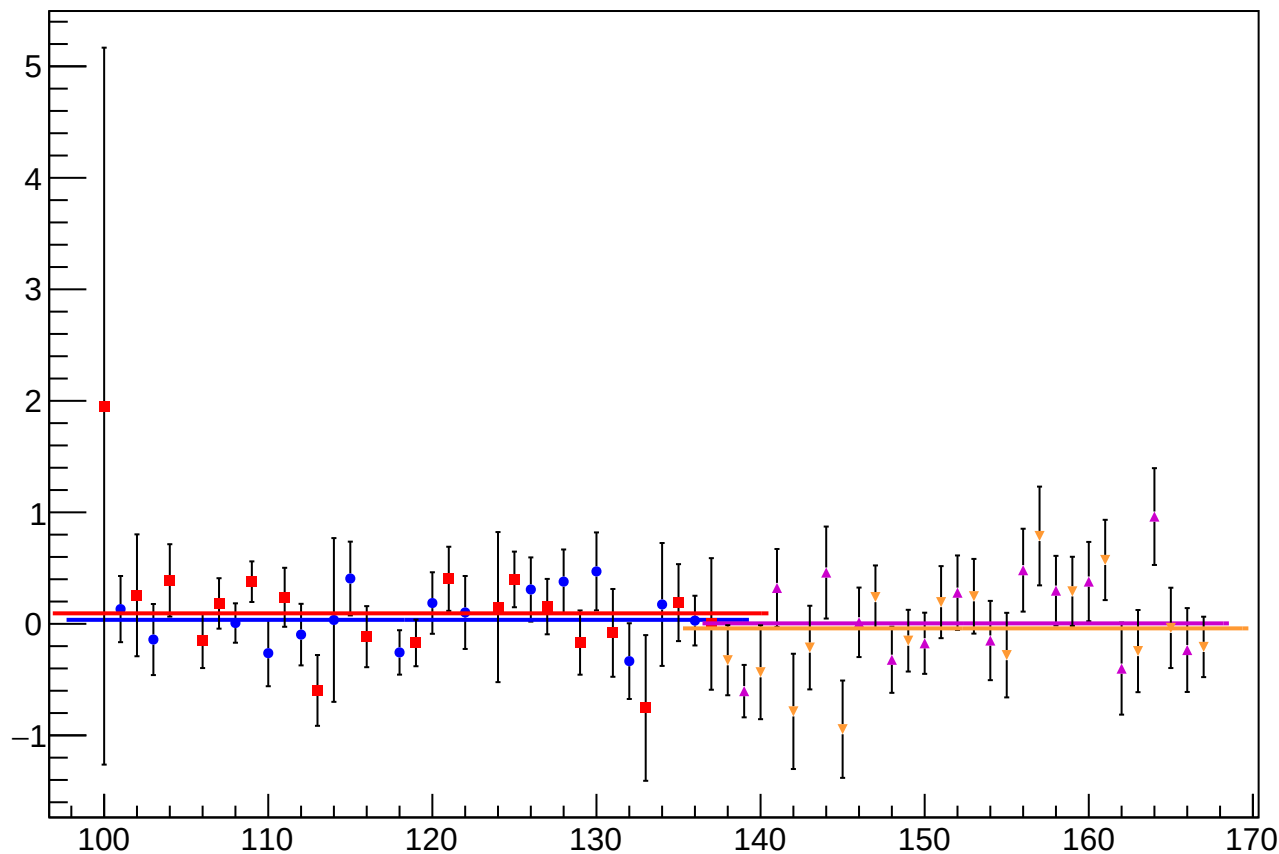
Left In: 292.641 $\pm$ 0.063 χ^2 /NDF: 594160.6/13

+ sign 227.859 $\pm$ 0.039 χ^2 /NDF: 3817574.6/31

All: 220.902 $\pm$ 0.027 χ^2 /NDF: 8375744.9/64

- sign 214.163 $\pm$ 0.038 χ^2 /NDF: 4494252.2/32

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: -0.041 ± 0.086 χ^2/NDF : 19.3/15

Right Out: 0.094 ± 0.068 χ^2/NDF : 17.6/18

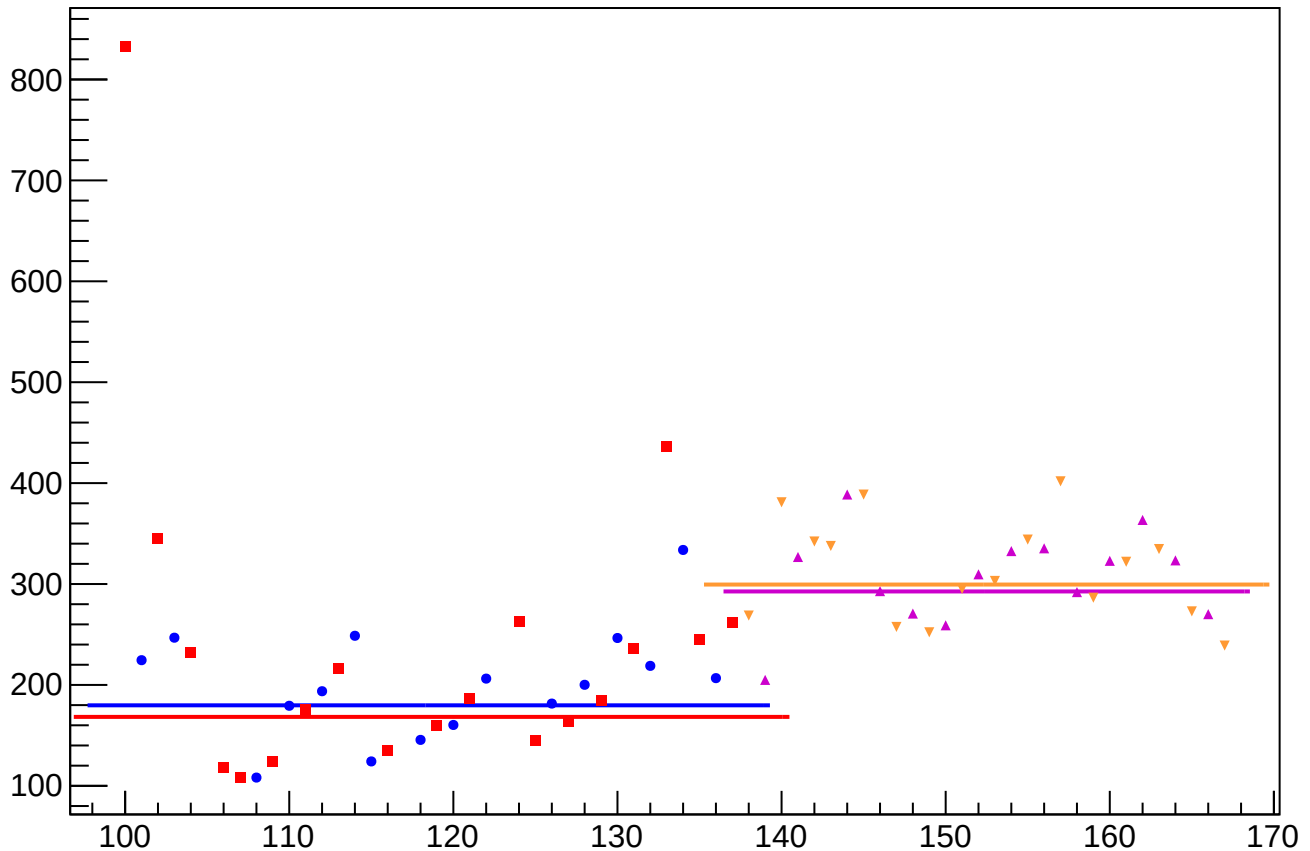
Left In: 0.004 ± 0.089 χ^2/NDF : 21.1/13

+ sign 0.005 ± 0.055 χ^2/NDF : 30.3/31

All: 0.034 ± 0.038 χ^2/NDF : 70.2/64

- sign 0.061 ± 0.054 χ^2/NDF : 39.4/32

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: 299.483 $\pm$ 0.061 χ^2 /NDF: 589457.3/15

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

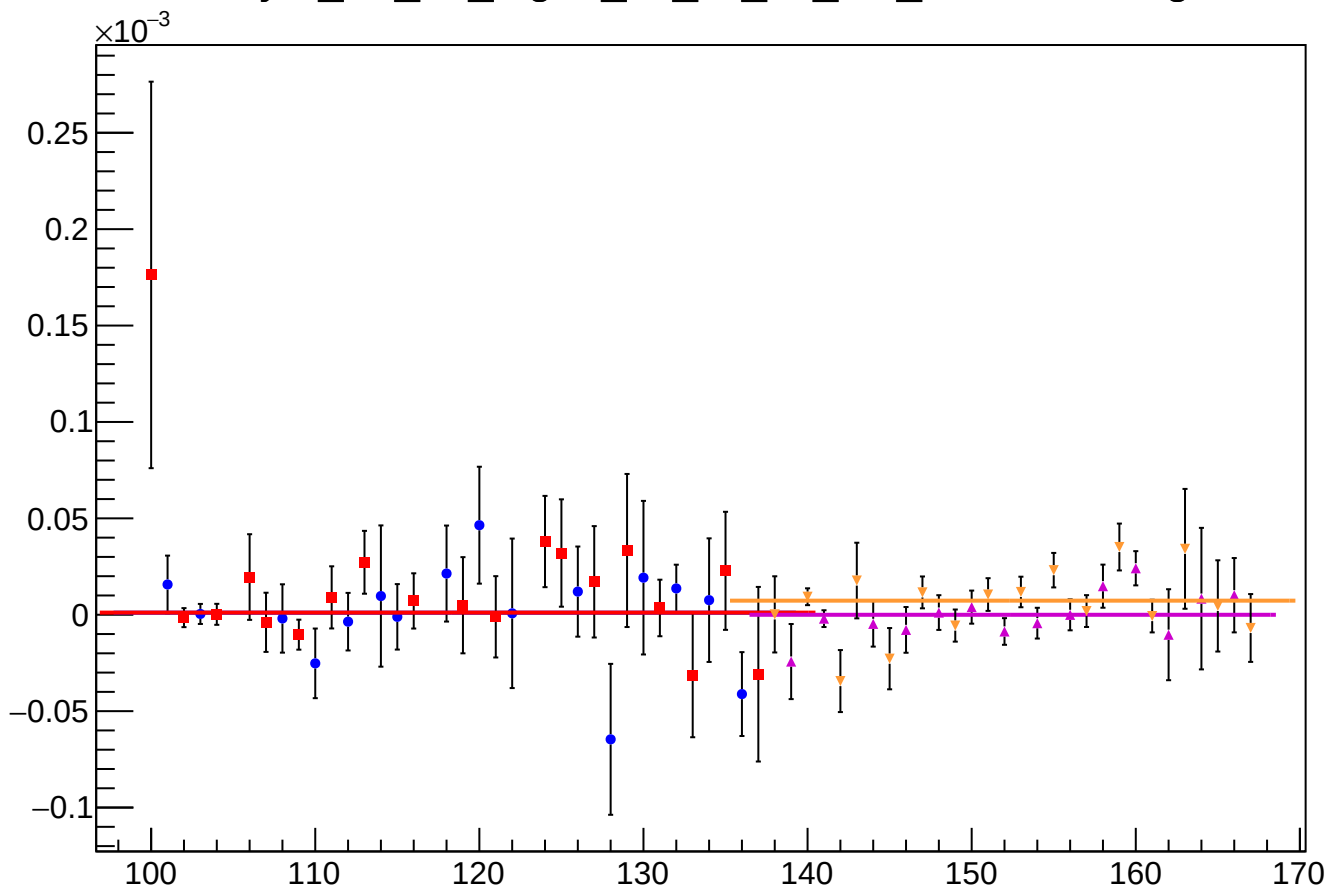
Left In: 292.641 $\pm$ 0.063 χ^2 /NDF: 594160.6/13

+ sign 227.859 $\pm$ 0.039 χ^2 /NDF: 3817574.6/31

All: 220.902 $\pm$ 0.027 χ^2 /NDF: 8375744.9/64

- sign 214.163 $\pm$ 0.038 χ^2 /NDF: 4494252.2/32

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 14.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.2/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.0/18

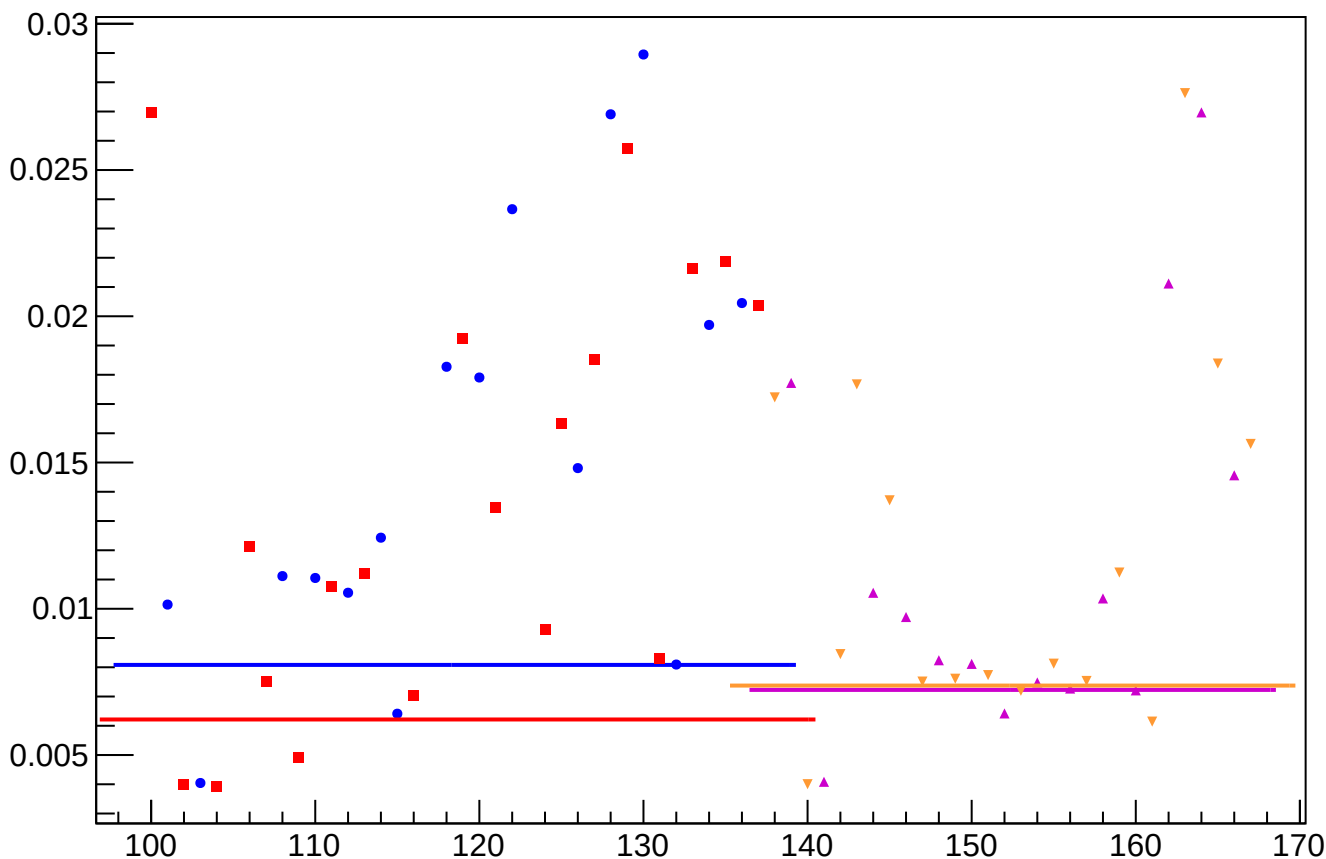
Left In: -0.000 ± 0.000 χ^2/NDF : 14.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 41.5/31

All: 0.000 ± 0.000 χ^2/NDF : 75.2/64

- sign 0.000 ± 0.000 χ^2/NDF : 30.2/32

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: 0.007 $\pm$ 0.000 χ^2 /NDF:4556145.0/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 4560988.3/18

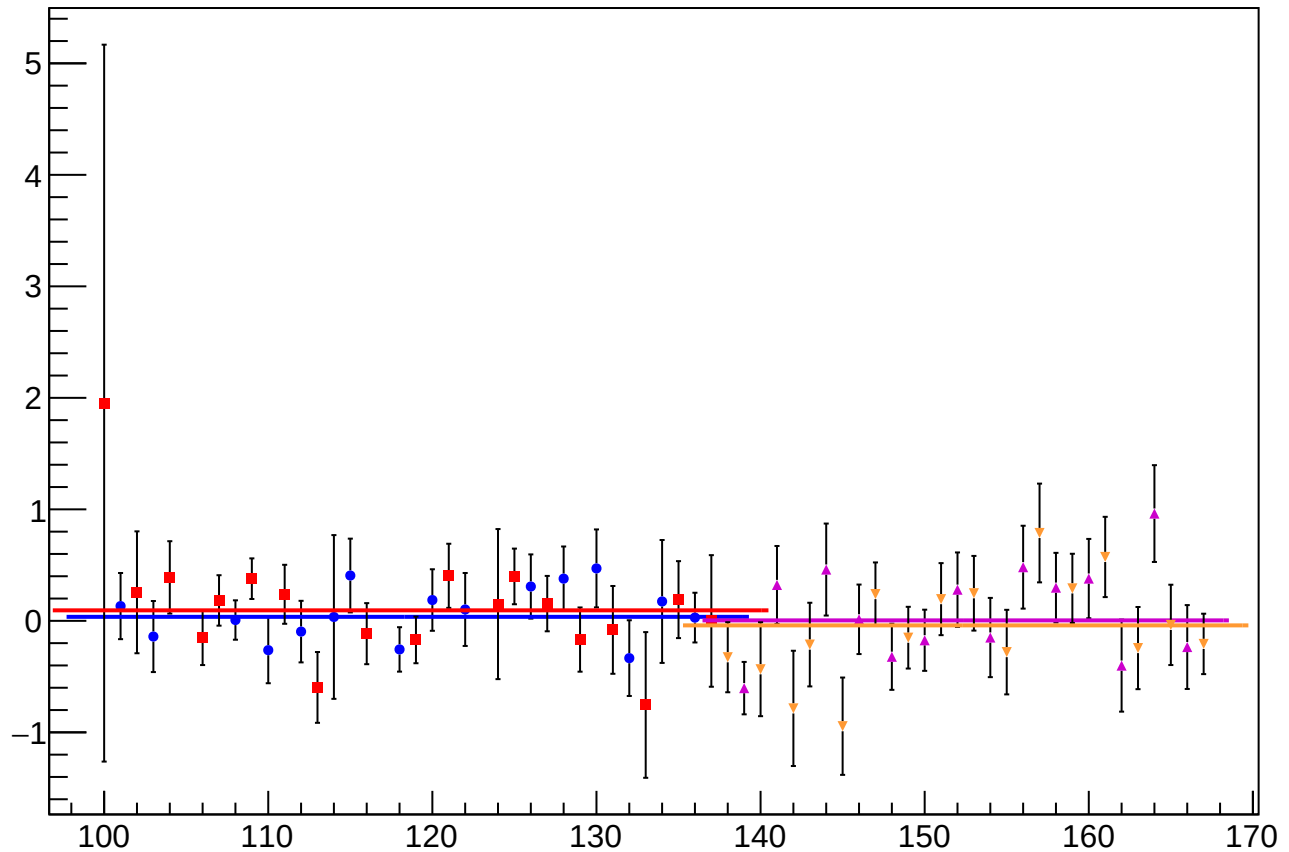
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:3663934.2/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 9021078.4/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 17560591.2/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8374216.2/32

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 $\chi^2/\text{NDF}: 10.5/15$

Left Out: -0.041 ± 0.086 $\chi^2/\text{NDF}: 19.3/15$

Right Out: 0.094 ± 0.068 $\chi^2/\text{NDF}: 17.6/18$

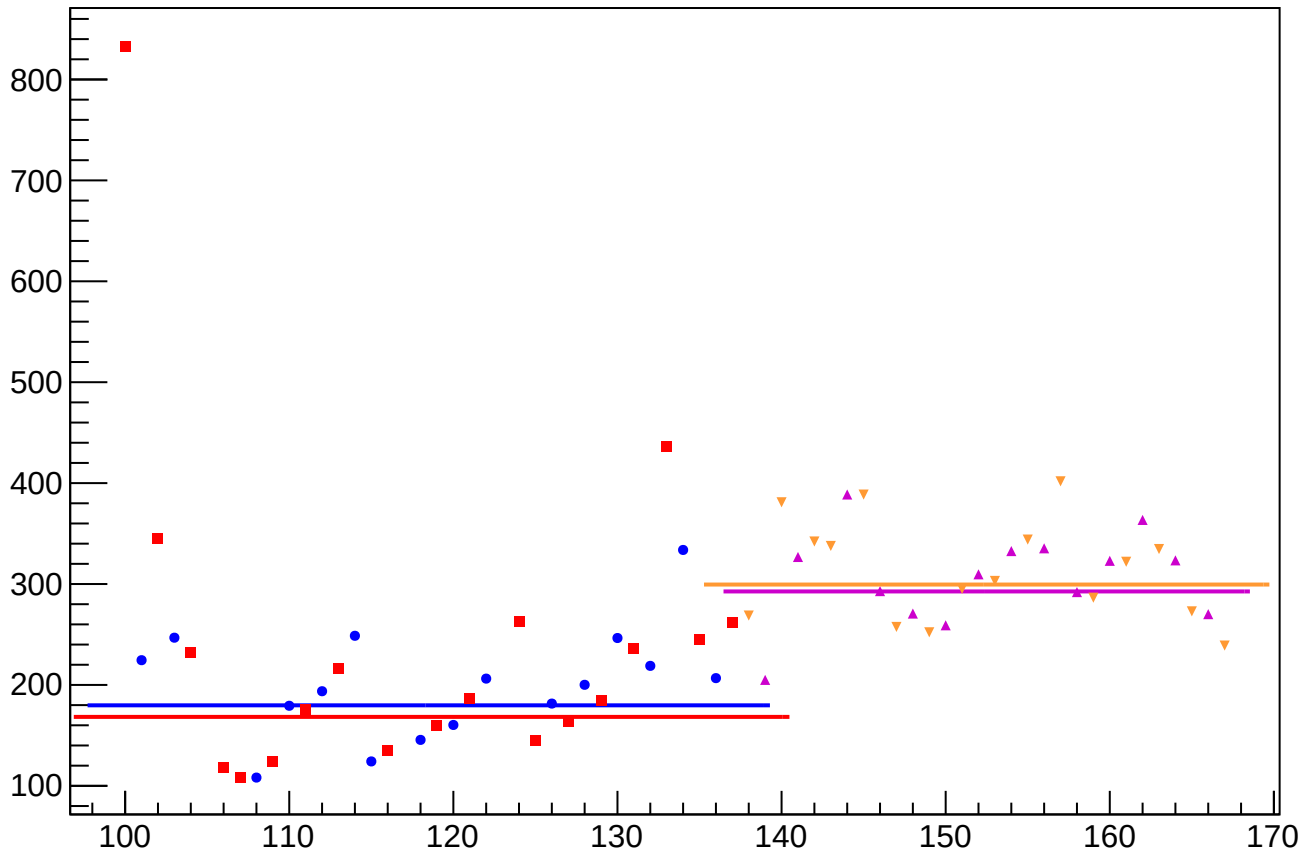
Left In: 0.004 ± 0.089 $\chi^2/\text{NDF}: 21.1/13$

+ sign 0.005 ± 0.055 $\chi^2/\text{NDF}: 30.3/31$

All: 0.034 ± 0.038 $\chi^2/\text{NDF}: 70.2/64$

- sign 0.061 ± 0.054 $\chi^2/\text{NDF}: 39.4/32$

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: 299.488+/-0.061 χ^2/NDF : 589445.2/15

Right Out: 168.334+/-0.048 χ^2/NDF : 1409289.2/18

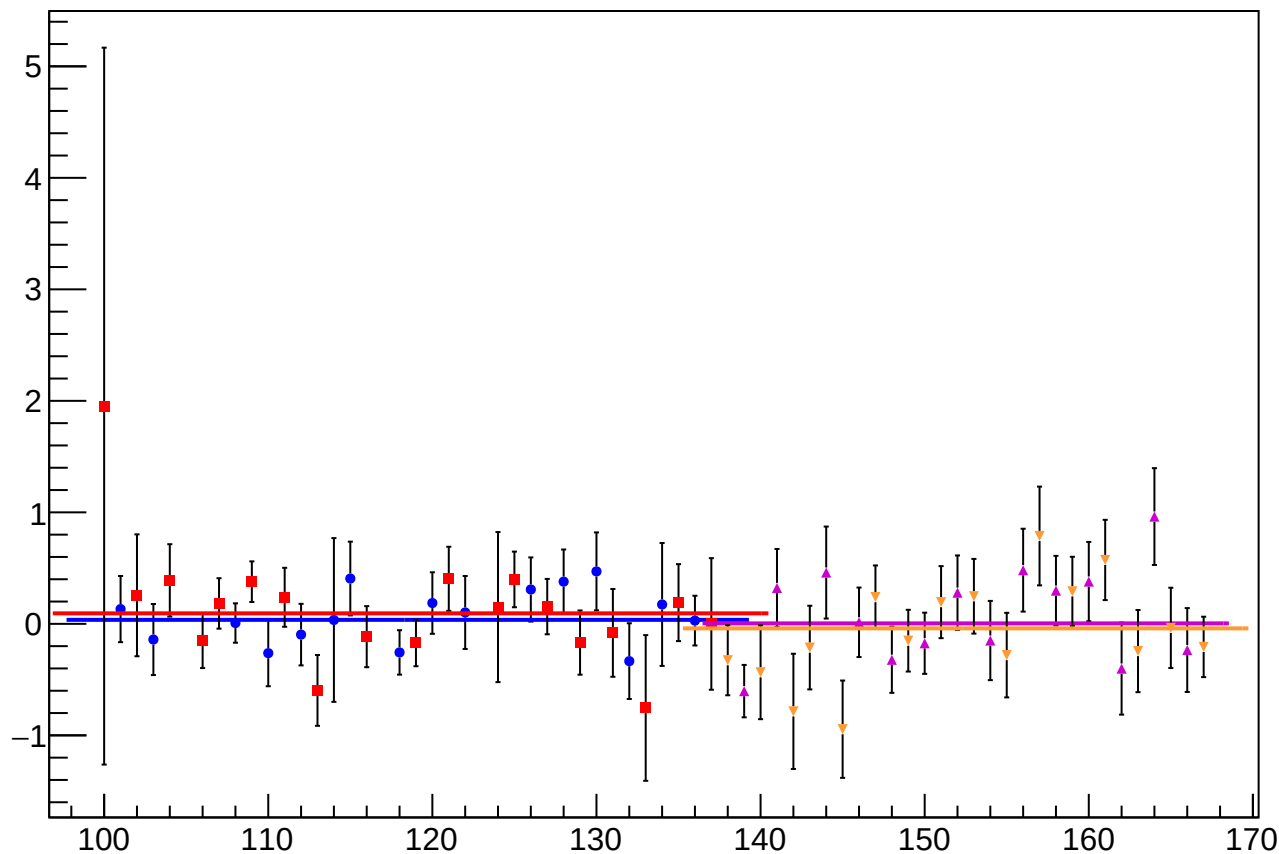
Left In: 292.646+/-0.063 χ^2/NDF : 594148.4/13

+ sign 227.858+/-0.039 χ^2/NDF : 3817879.2/31

All: 220.902+/-0.027 χ^2/NDF : 8376160.4/64

- sign 214.164+/-0.038 χ^2/NDF : 4494380.2/32

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 χ^2/NDF : 10.5/15

Left Out: -0.041 ± 0.086 χ^2/NDF : 19.3/15

Right Out: 0.094 ± 0.068 χ^2/NDF : 17.6/18

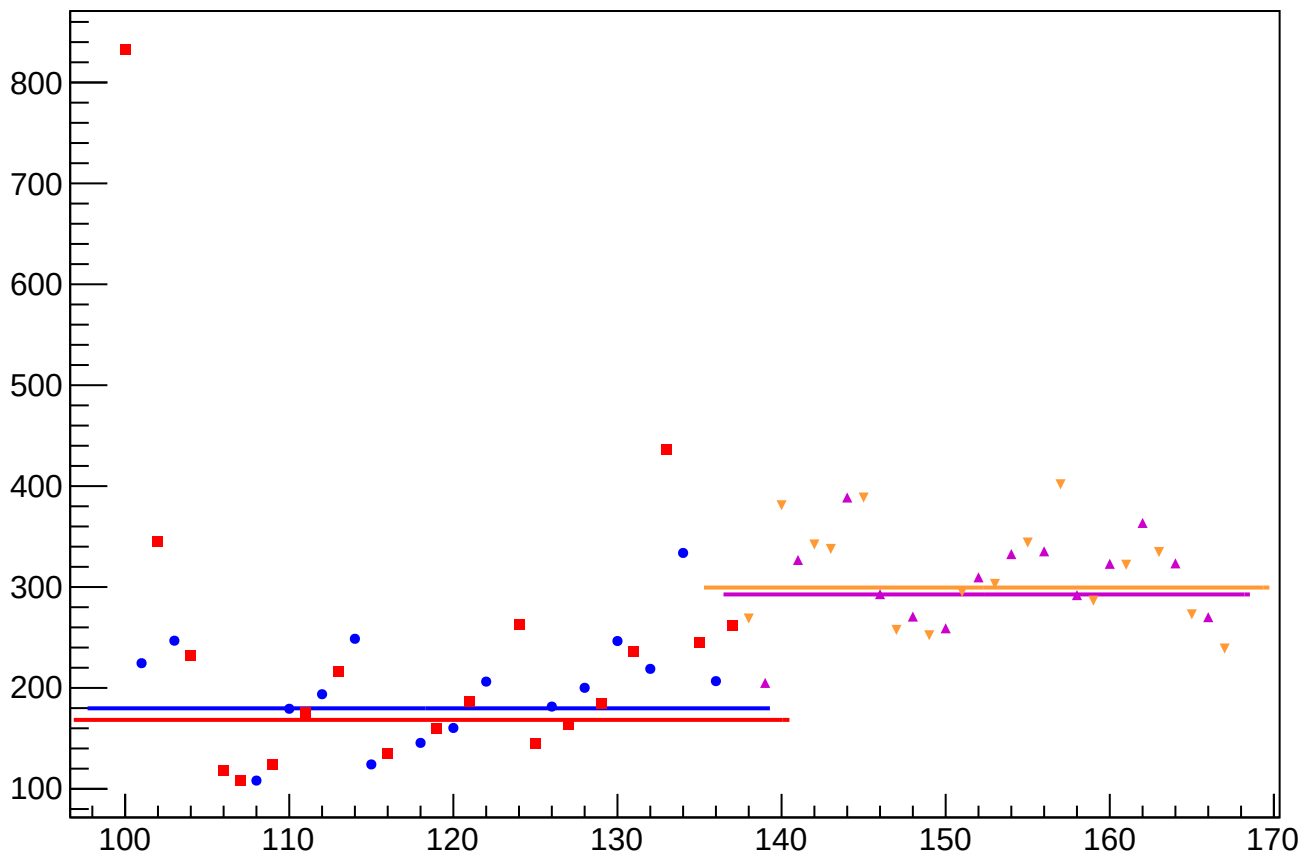
Left In: 0.004 ± 0.089 χ^2/NDF : 21.1/13

+ sign 0.005 ± 0.055 χ^2/NDF : 30.3/31

All: 0.034 ± 0.038 χ^2/NDF : 70.2/64

- sign -0.061 ± 0.054 χ^2/NDF : 39.4/32

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: 299.488 $\pm$ 0.061 χ^2/NDF : 589445.2/15

Right Out: 168.334 $\pm$ 0.048 χ^2/NDF : 1409289.2/18

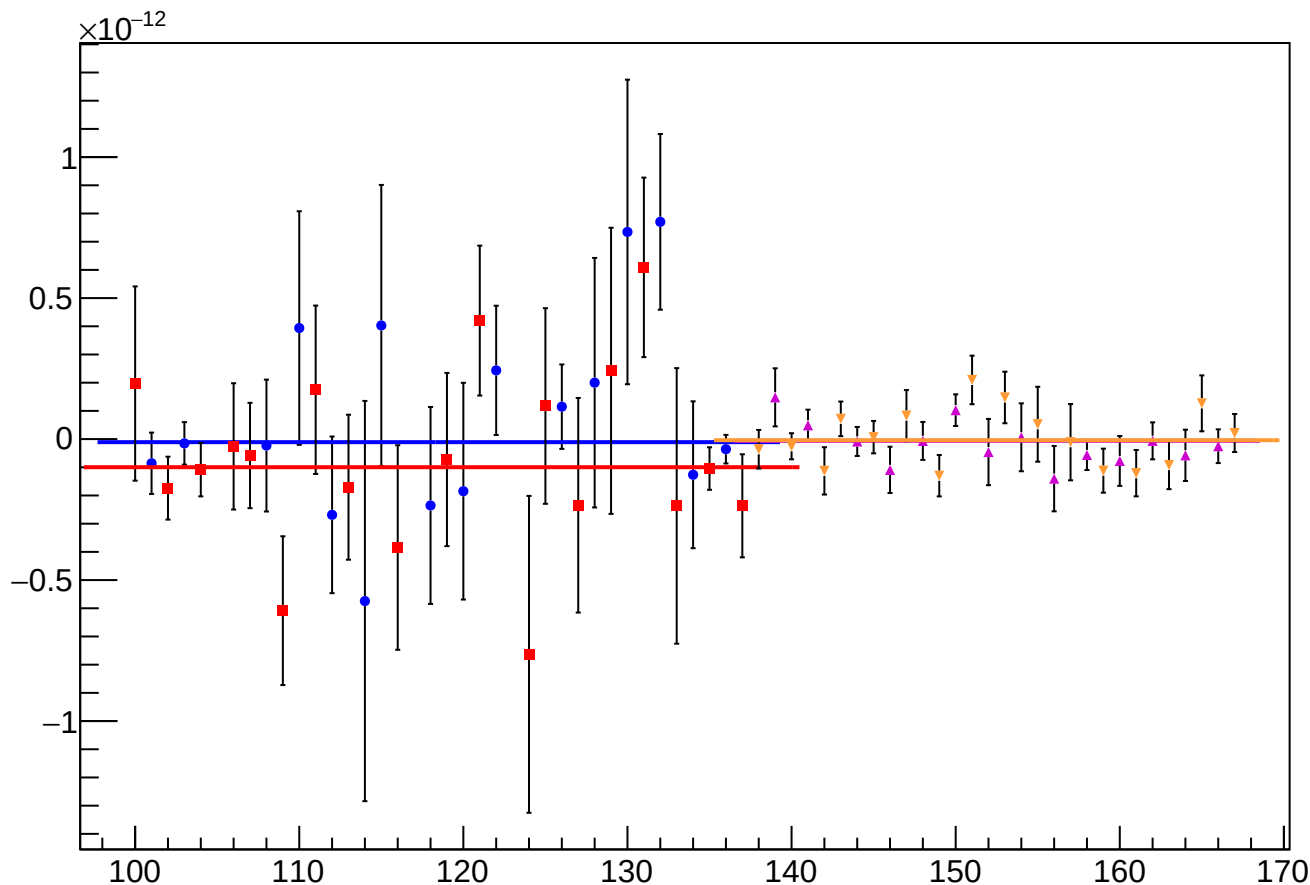
Left In: 292.646 $\pm$ 0.063 χ^2/NDF : 594148.4/13

+ sign 227.858 $\pm$ 0.039 χ^2/NDF : 3817879.2/31

All: 220.902 $\pm$ 0.027 χ^2/NDF : 8376160.4/64

- sign 214.164 $\pm$ 0.038 χ^2/NDF : 4494380.2/32

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: 23.5/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 18.4/18

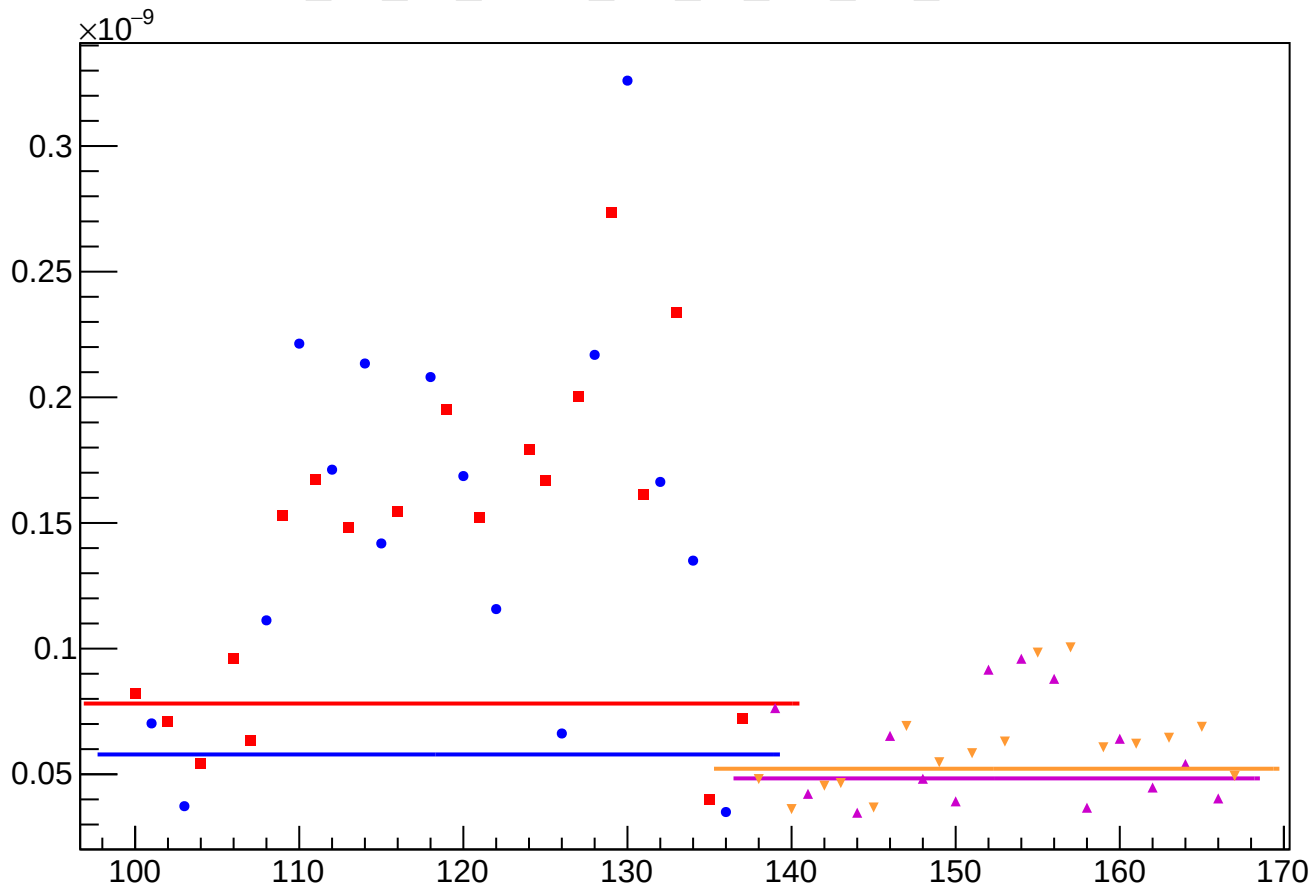
Left In: -0.000+/-0.000 χ^2 /NDF: 12.0/13

+ sign -0.000+/-0.000 χ^2 /NDF: 38.6/31

All: -0.000+/-0.000 χ^2 /NDF: 73.5/64

- sign -0.000+/-0.000 χ^2 /NDF: 34.5/32

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1185966.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2732134.4/18

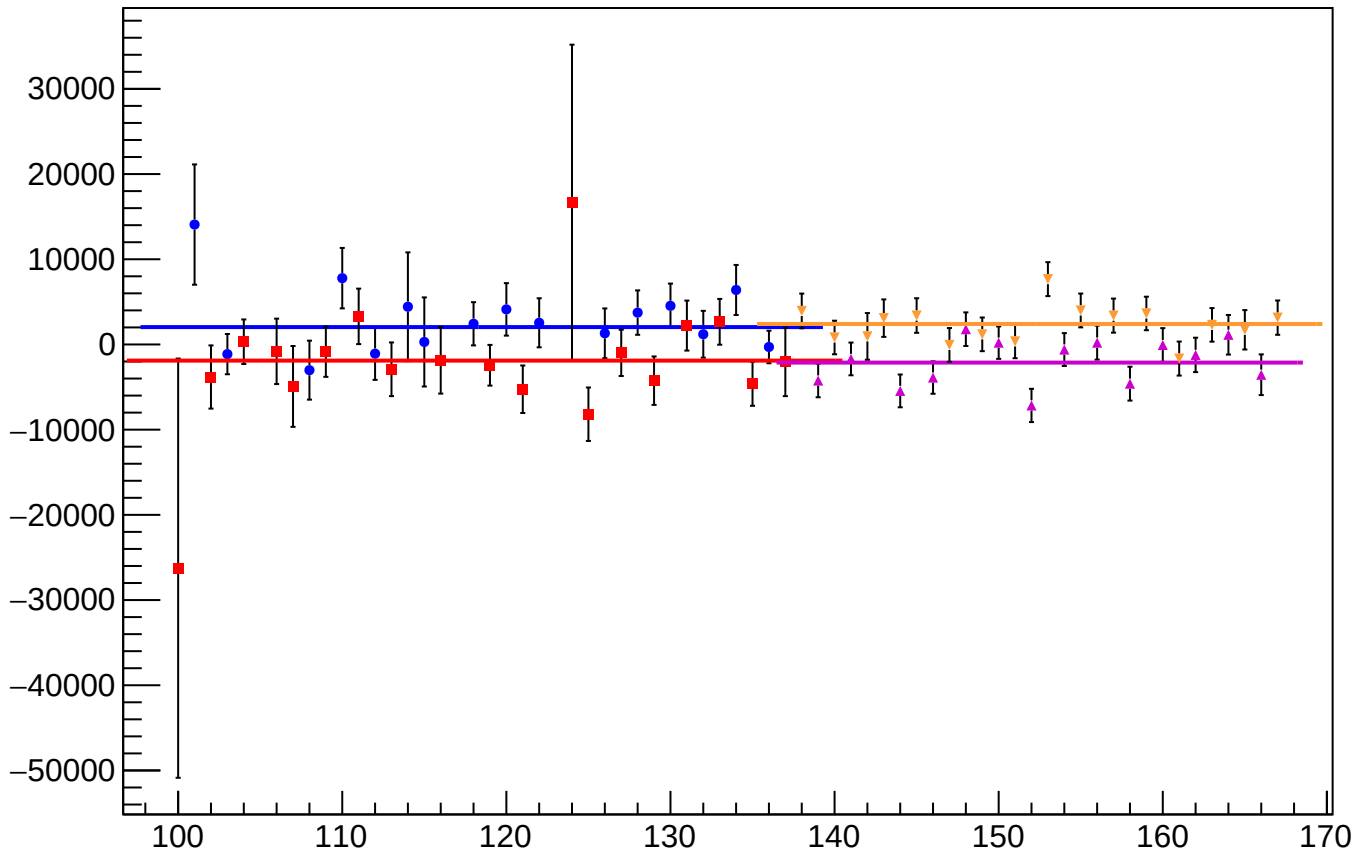
Left In: 0.000+/-0.000 χ^2/NDF : 1477347.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 4549397.3/31

All: 0.000+/-0.000 χ^2/NDF : 9592200.2/64

- sign 0.000+/-0.000 χ^2/NDF : 5042746.6/32

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211 $\pm$ 736.211 χ^2 /NDF: 16.4/15

Left Out: 2402.841 $\pm$ 512.775 χ^2 /NDF: 17.4/15

Right Out: -1895.242 $\pm$ 736.762 χ^2 /NDF: 18.5/18

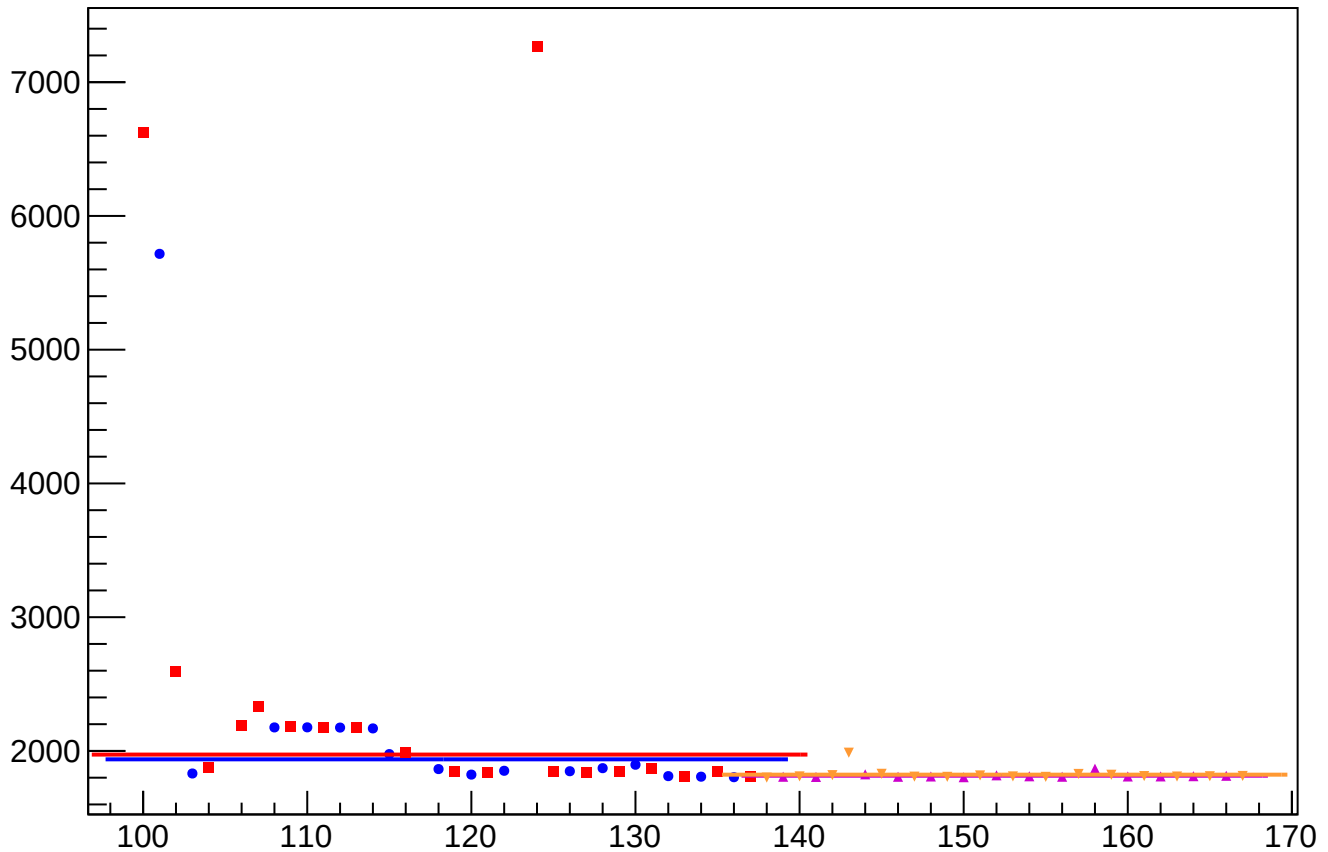
Left In: -2127.939 $\pm$ 534.007 χ^2 /NDF: 24.3/13

+ sign 2284.060 $\pm$ 420.771 χ^2 /NDF: 34.0/31

All: 177.053 $\pm$ 301.550 χ^2 /NDF: 128.5/64

- sign -2047.797 $\pm$ 432.378 χ^2 /NDF: 42.9/32

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF : 12267.0/15

Right Out: 1972.760+/-0.521 χ^2/NDF : 377537.1/18

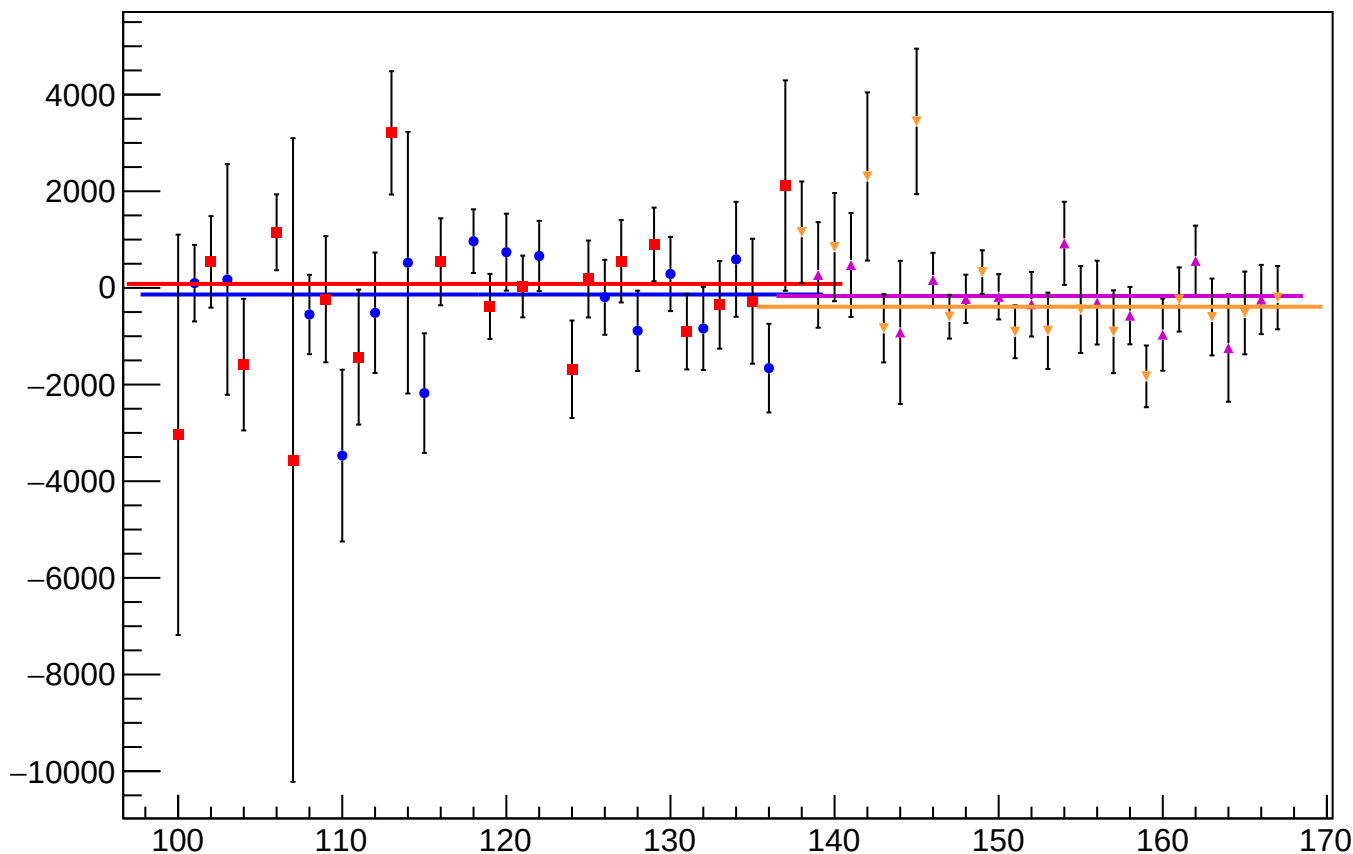
Left In: 1814.610+/-0.378 χ^2/NDF : 1720.1/13

+ sign 1860.032+/-0.298 χ^2/NDF : 683035.7/31

All: 1864.432+/-0.213 χ^2/NDF : 1123158.2/64

- sign 1869.078+/-0.306 χ^2/NDF : 439672.9/32

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643 ± 230.431 χ^2/NDF : 16.9/15

Left Out: -389.645 ± 177.347 χ^2/NDF : 22.4/15

Right Out: 82.296 ± 222.019 χ^2/NDF : 19.7/18

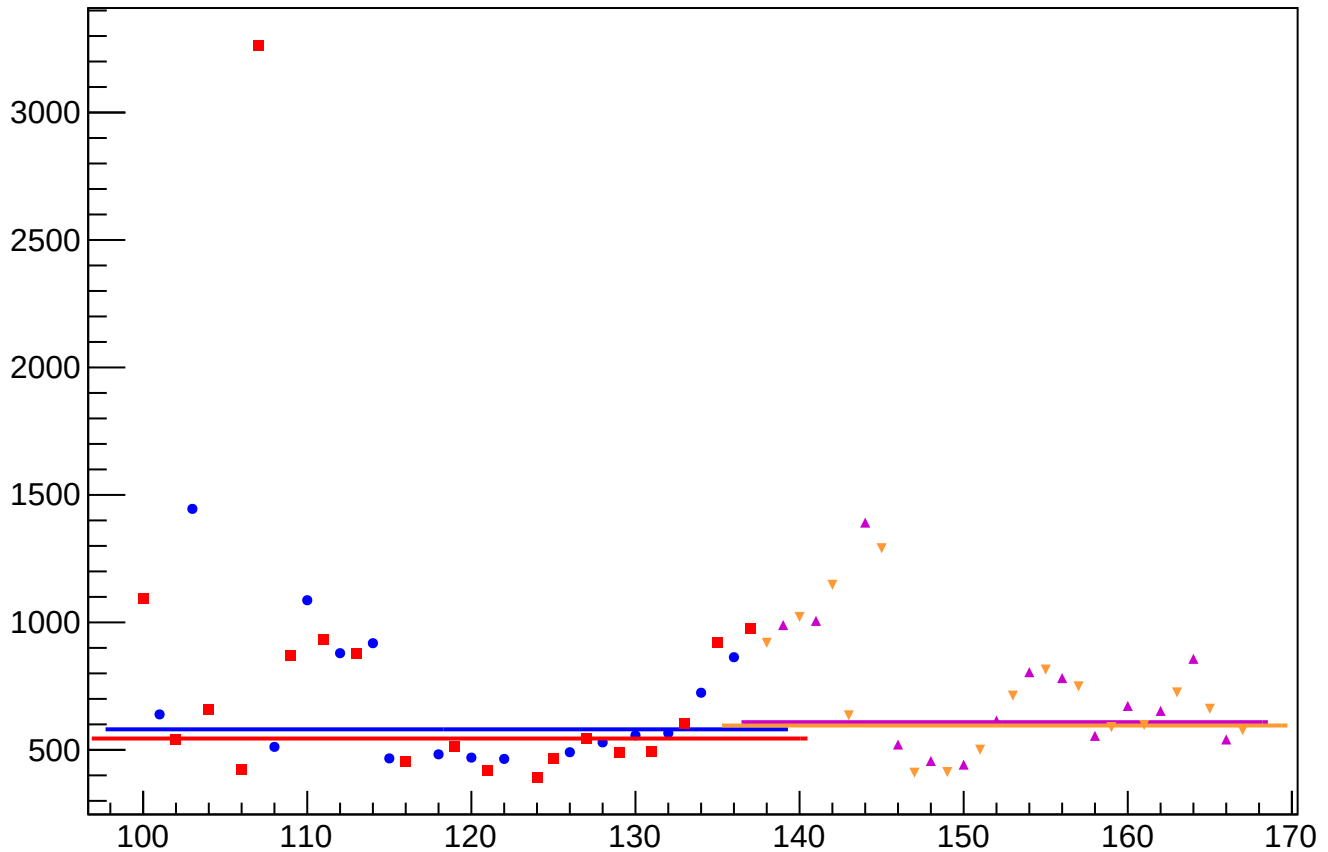
Left In: -168.096 ± 188.780 χ^2/NDF : 6.4/13

+ sign -295.531 ± 140.542 χ^2/NDF : 40.0/31

All: -181.958 ± 100.517 χ^2/NDF : 68.2/64

- sign -63.028 ± 143.819 χ^2/NDF : 26.9/32

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611 ± 0.163 χ^2/NDF : 1003410.8/15

Left Out: 595.554 ± 0.125 χ^2/NDF : 2129936.5/15

Right Out: 544.530 ± 0.157 χ^2/NDF : 1287643.0/18

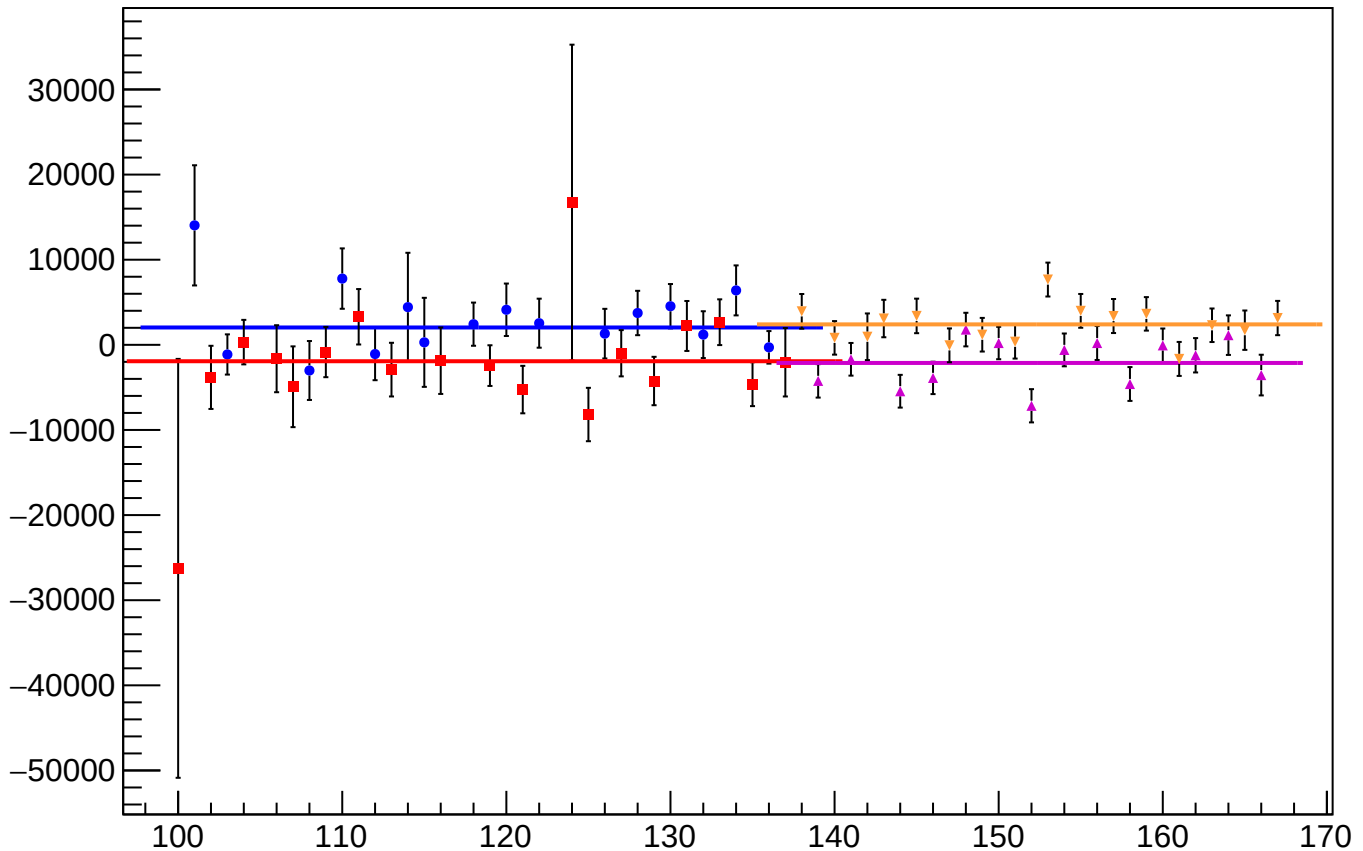
Left In: 608.601 ± 0.133 χ^2/NDF : 1901429.4/13

+ sign 589.996 ± 0.099 χ^2/NDF : 3138629.7/31

All: 585.951 ± 0.071 χ^2/NDF : 6427760.6/64

- sign 581.716 ± 0.102 χ^2/NDF : 3285740.2/32

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842 $\pm$ 736.211 χ^2 /NDF: 16.4/15

Left Out: 2402.837 $\pm$ 512.775 χ^2 /NDF: 17.4/15

Right Out: -1926.264 $\pm$ 737.411 χ^2 /NDF: 18.4/18

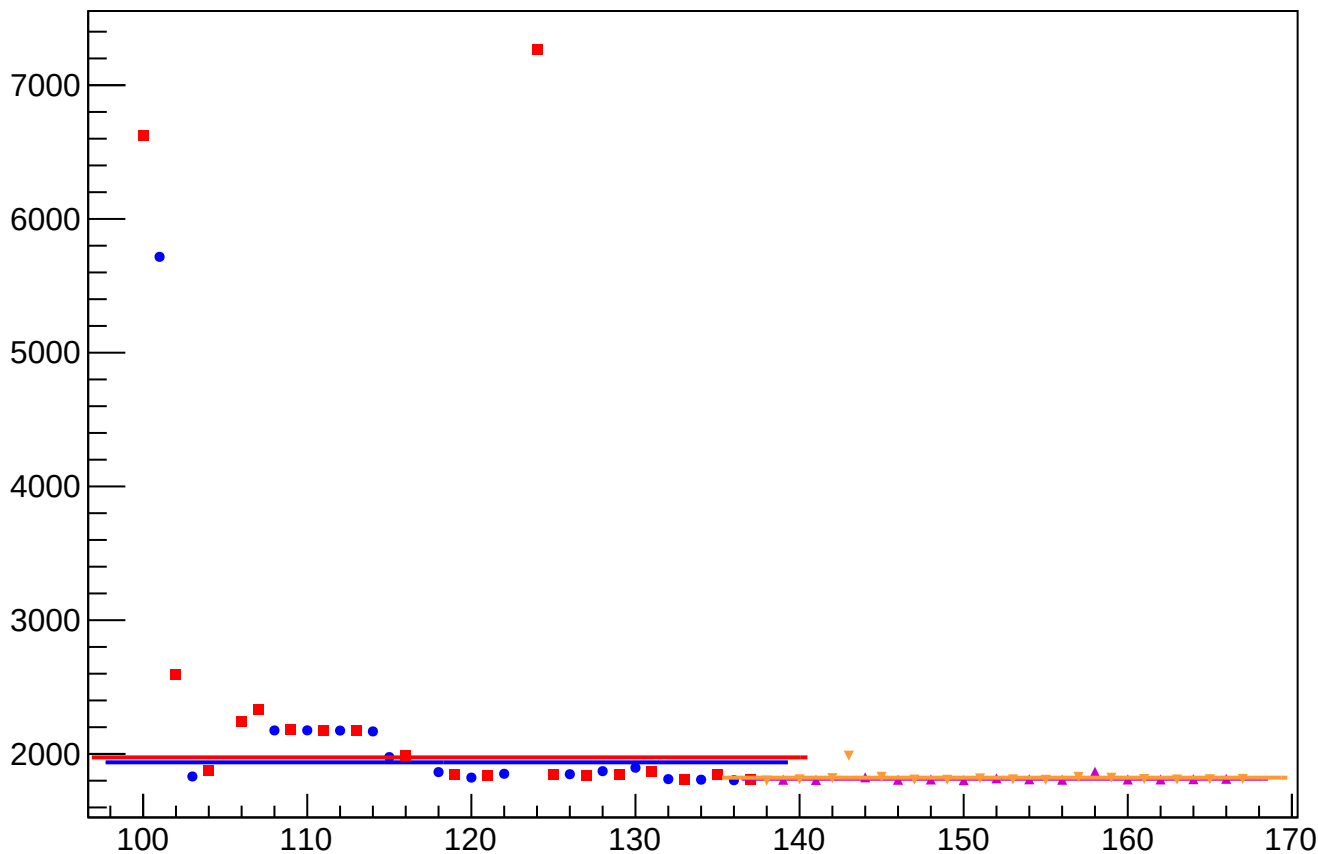
Left In: -2128.022 $\pm$ 534.007 χ^2 /NDF: 24.3/13

+ sign 2283.936 $\pm$ 420.771 χ^2 /NDF: 34.0/31

All: 172.385 $\pm$ 301.595 χ^2 /NDF: 128.6/64

- sign -2058.615 $\pm$ 432.509 χ^2 /NDF: 42.8/32

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2 /NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2 /NDF:12267.0/15

Right Out: 1974.155+/-0.521 χ^2 /NDF: 380430.7/18

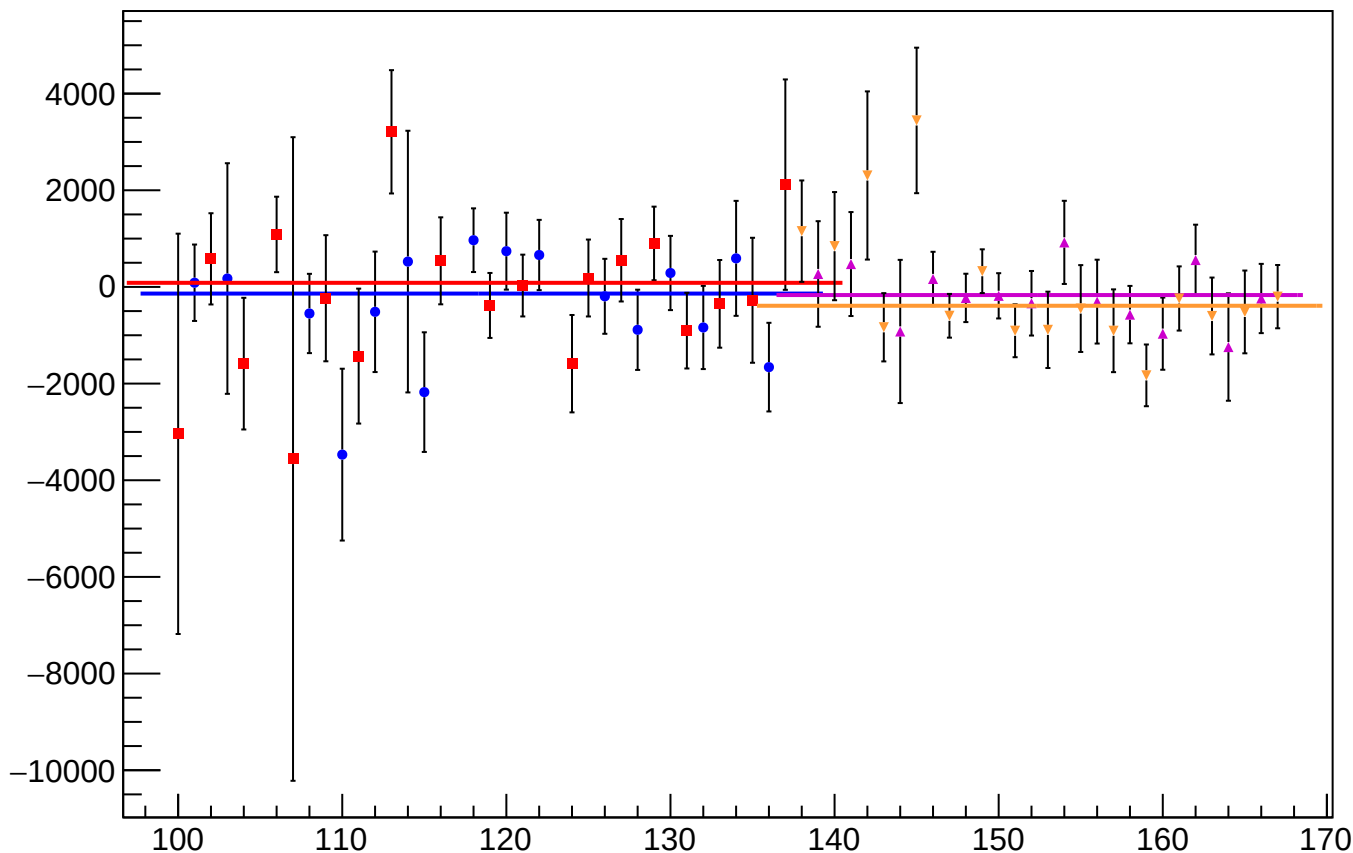
Left In: 1814.610+/-0.378 χ^2 /NDF:1720.1/13

+ sign 1860.032+/-0.298 χ^2 /NDF: 683035.6/31

All: 1864.634+/-0.213 χ^2 /NDF: 1127093.3/64

- sign 1869.495+/-0.306 χ^2 /NDF: 443565.8/32

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491 $\pm$ 230.382 χ^2 /NDF: 16.9/15

Left Out: -389.685 $\pm$ 177.347 χ^2 /NDF:22.3/15

Right Out: 84.947 $\pm$ 221.881 χ^2 /NDF: 19.3/18

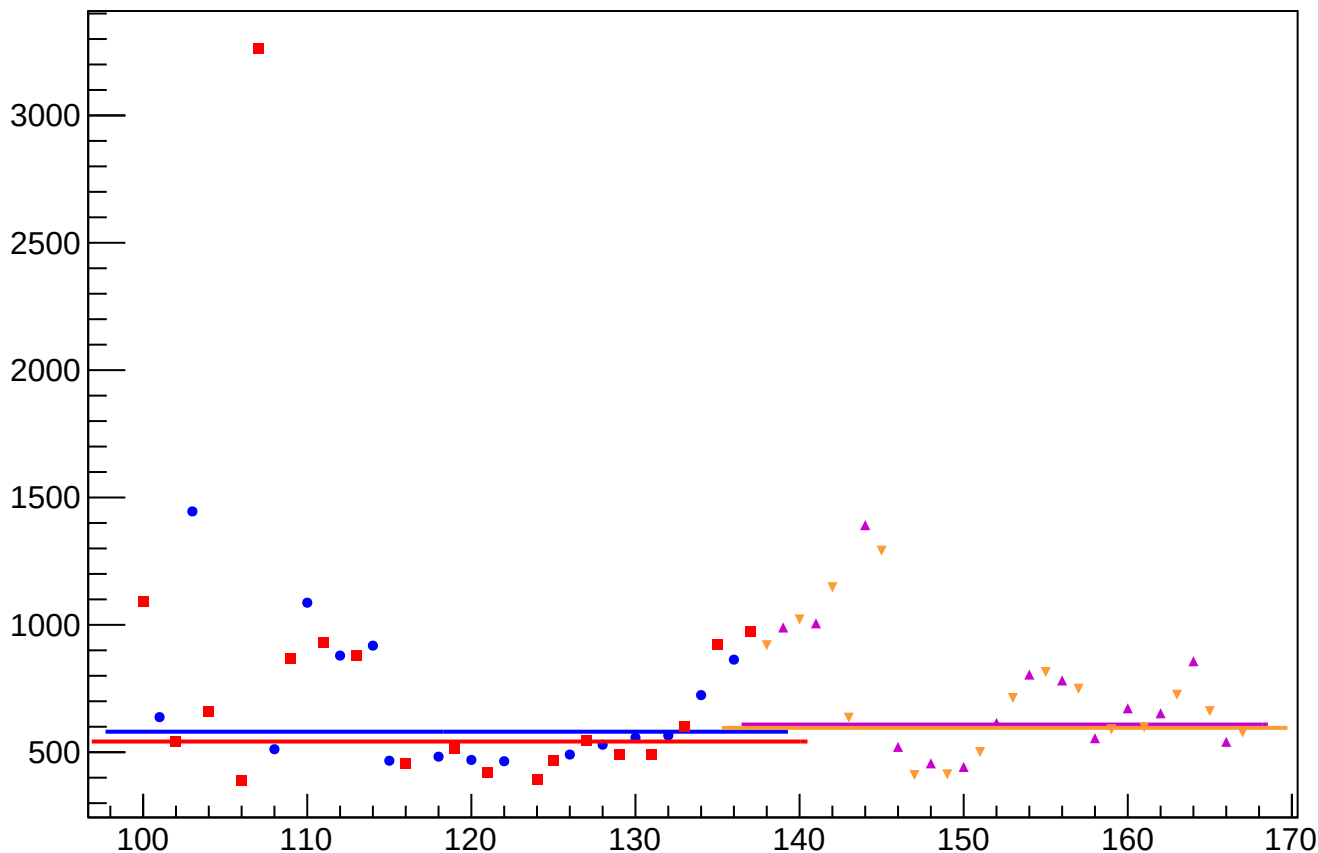
Left In: -168.120 $\pm$ 188.781 χ^2 /NDF:6.4/13

+ sign -295.846 $\pm$ 140.531 χ^2 /NDF: 40.0/31

All: -181.524 $\pm$ 100.500 χ^2 /NDF: 67.7/64

- sign -61.852 $\pm$ 143.781 χ^2 /NDF: 26.4/32

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519 ± 0.163 χ^2/NDF : 1002900.5/15

Left Out: 595.552 ± 0.125 χ^2/NDF : 2130056.2/15

Right Out: 541.939 ± 0.157 χ^2/NDF : 1318850.5/18

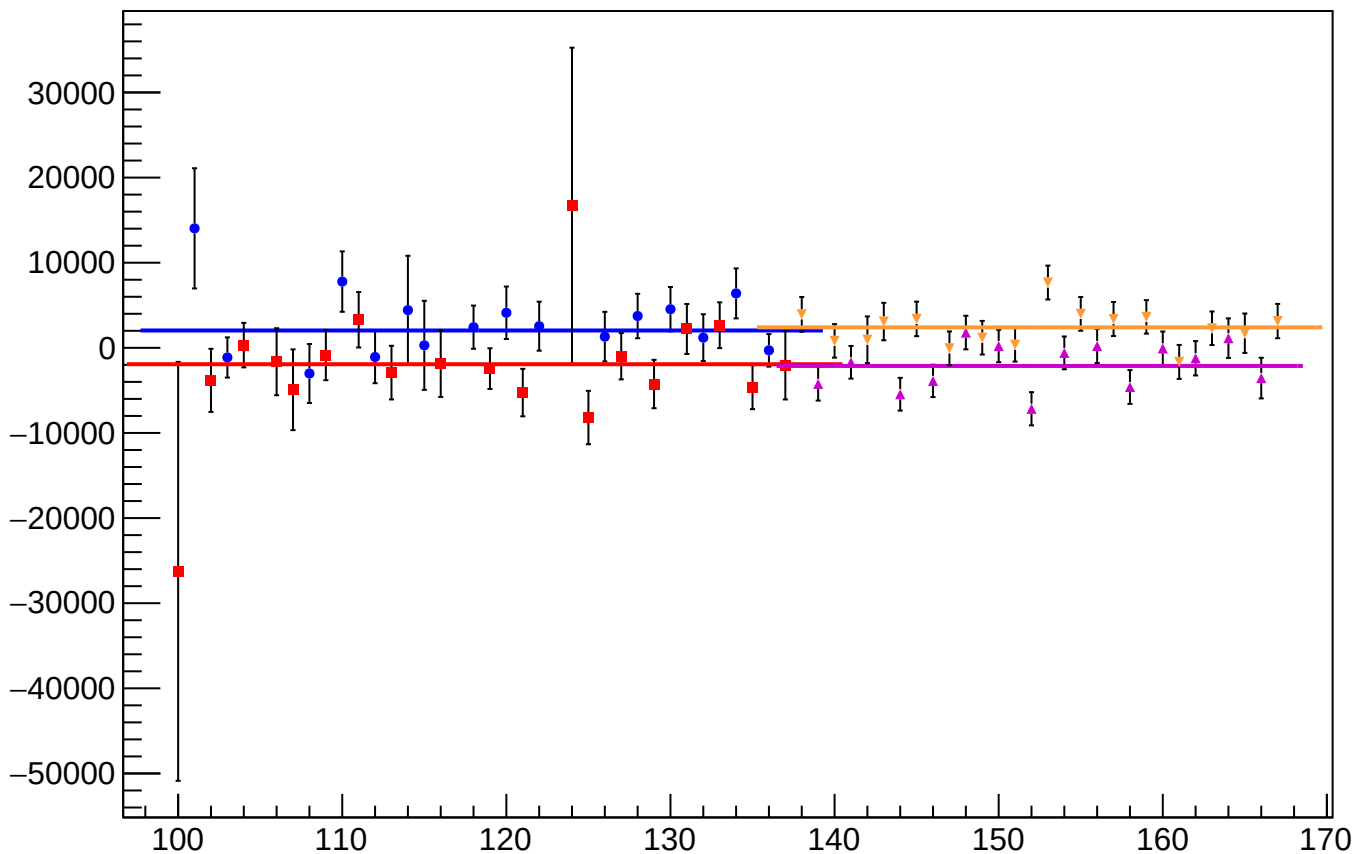
Left In: 608.603 ± 0.133 χ^2/NDF : 1901483.1/13

+ sign 589.958 ± 0.099 χ^2/NDF : 3138303.8/31

All: 585.391 ± 0.071 χ^2/NDF : 6467690.3/64

- sign 580.609 ± 0.102 χ^2/NDF : 3325062.1/32

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842 $\pm$ 736.211 χ^2 /NDF: 16.4/15

Left Out: 2402.837 $\pm$ 512.775 χ^2 /NDF: 17.4/15

Right Out: -1926.264 $\pm$ 737.411 χ^2 /NDF: 18.4/18

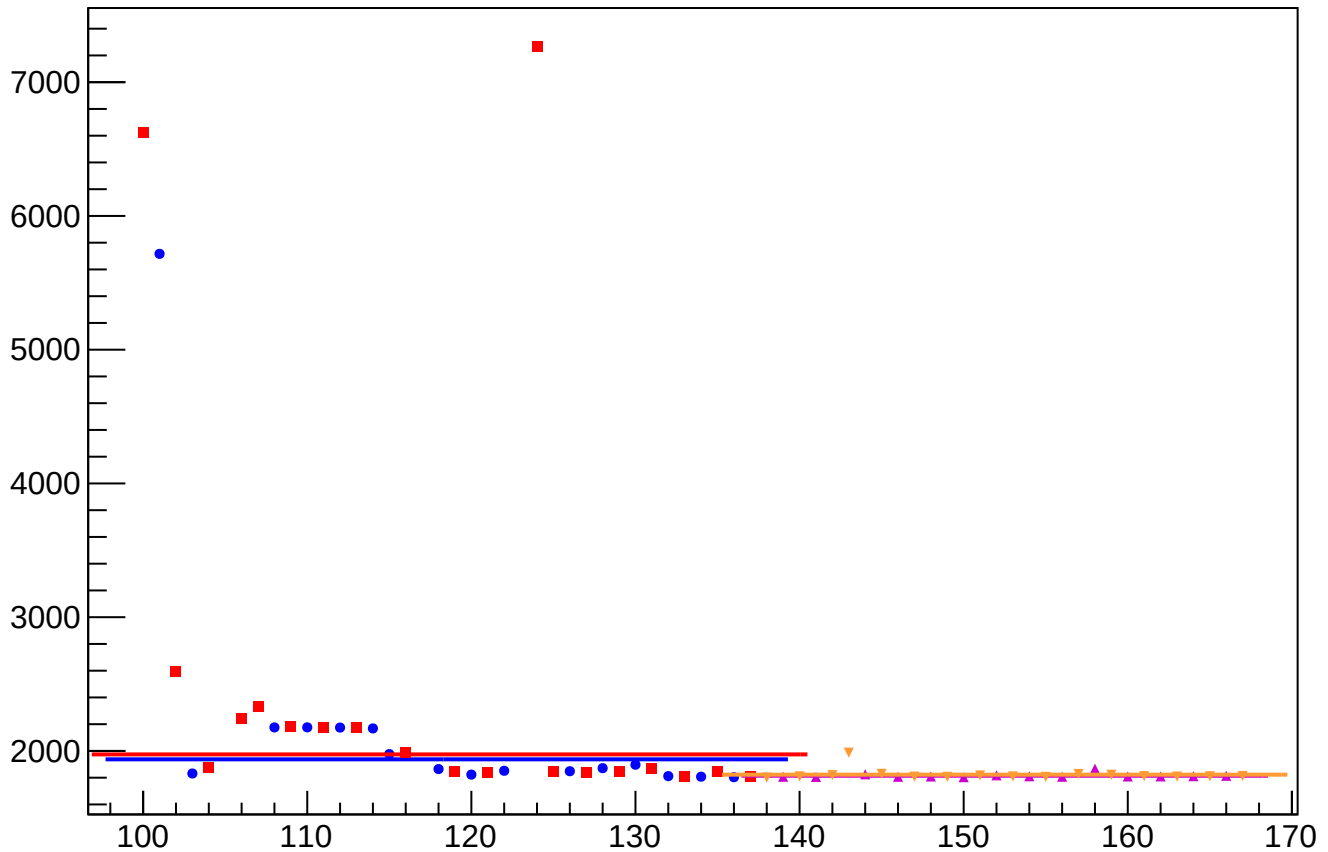
Left In: -2128.022 $\pm$ 534.007 χ^2 /NDF: 24.3/13

+ sign 2283.936 $\pm$ 420.771 χ^2 /NDF: 34.0/31

All: 172.385 $\pm$ 301.595 χ^2 /NDF: 128.6/64

- sign -2058.615 $\pm$ 432.509 χ^2 /NDF: 42.8/32

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF : 12267.0/15

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

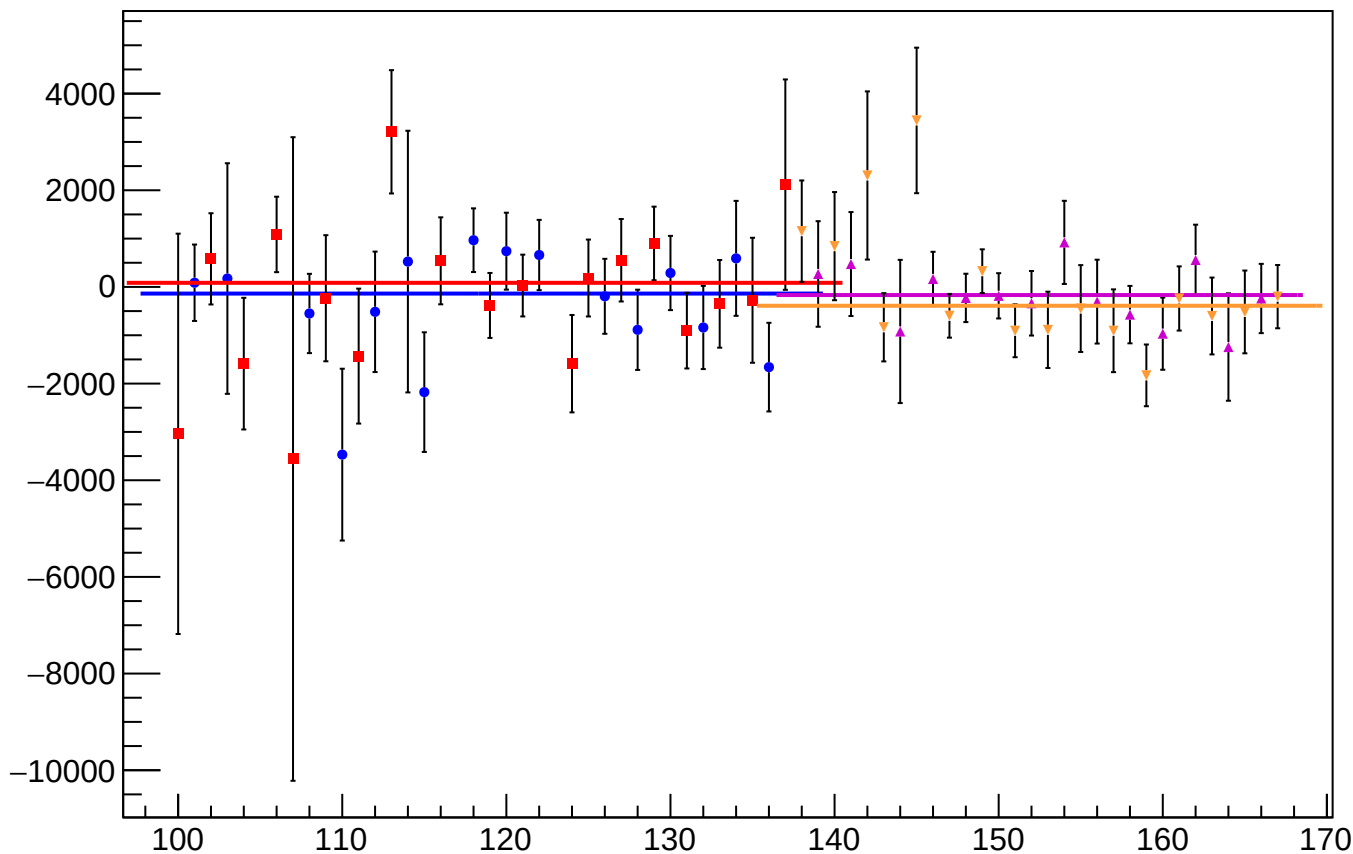
Left In: 1814.610+/-0.378 χ^2/NDF : 1720.1/13

+ sign 1860.032+/-0.298 χ^2/NDF : 683035.6/31

All: 1864.634+/-0.213 χ^2/NDF : 1127093.3/64

- sign 1869.495+/-0.306 χ^2/NDF : 443565.8/32

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -137.491 $\pm$ 230.382 χ^2 /NDF: 16.9/15

Left Out: -389.685 $\pm$ 177.347 χ^2 /NDF:22.3/15

Right Out: 84.947 $\pm$ 221.881 χ^2 /NDF: 19.3/18

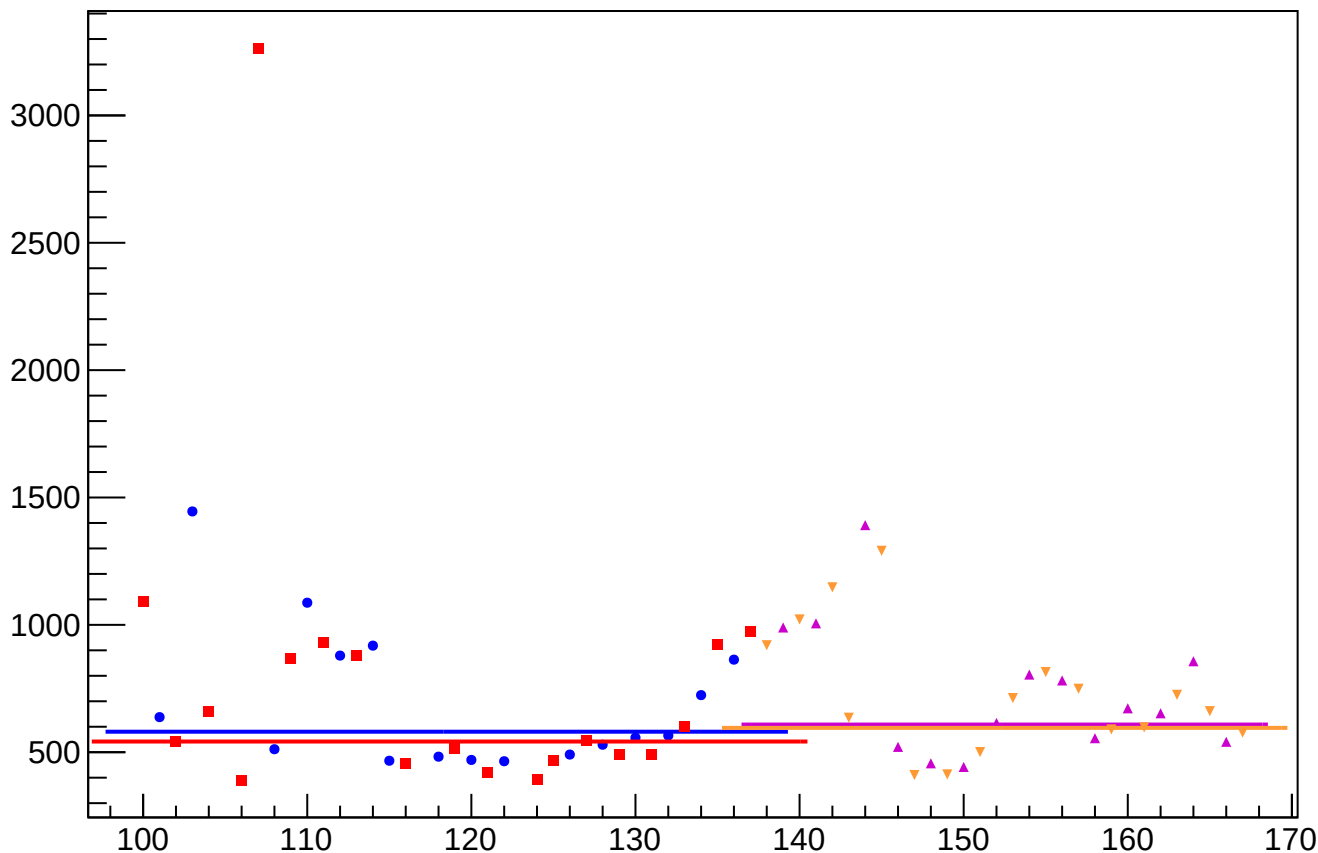
Left In: -168.120 $\pm$ 188.781 χ^2 /NDF:6.4/13

+ sign -295.846 $\pm$ 140.531 χ^2 /NDF: 40.0/31

All: -181.524 $\pm$ 100.500 χ^2 /NDF: 67.7/64

- sign -61.852 $\pm$ 143.781 χ^2 /NDF: 26.4/32

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519 $\pm$ 0.163 χ^2 /NDF: 1002900.5/15

Left Out: 595.552 $\pm$ 0.125 χ^2 /NDF: 2130056.2/15

Right Out: 541.939 $\pm$ 0.157 χ^2 /NDF: 1318850.5/18

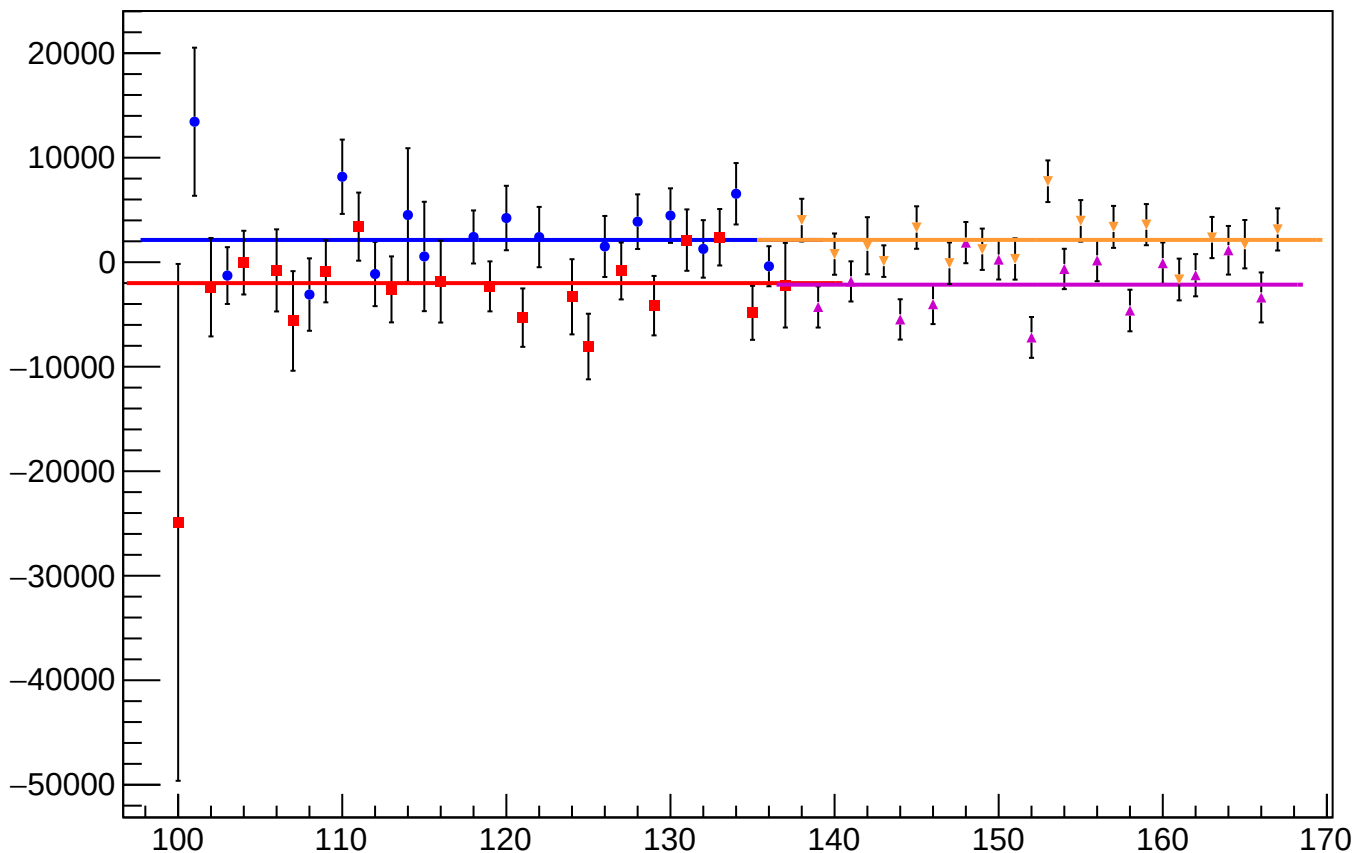
Left In: 608.603 $\pm$ 0.133 χ^2 /NDF: 1901483.1/13

+ sign 589.958 $\pm$ 0.099 χ^2 /NDF: 3138303.8/31

All: 585.391 $\pm$ 0.071 χ^2 /NDF: 6467690.3/64

- sign 580.609 $\pm$ 0.102 χ^2 /NDF: 3325062.1/32

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748 $\pm$ 746.242 χ^2 /NDF: 16.5/15

Left Out: 2134.709 $\pm$ 498.334 χ^2 /NDF:19.4/15

Right Out: -2002.220 $\pm$ 737.195 χ^2 /NDF: 16.7/18

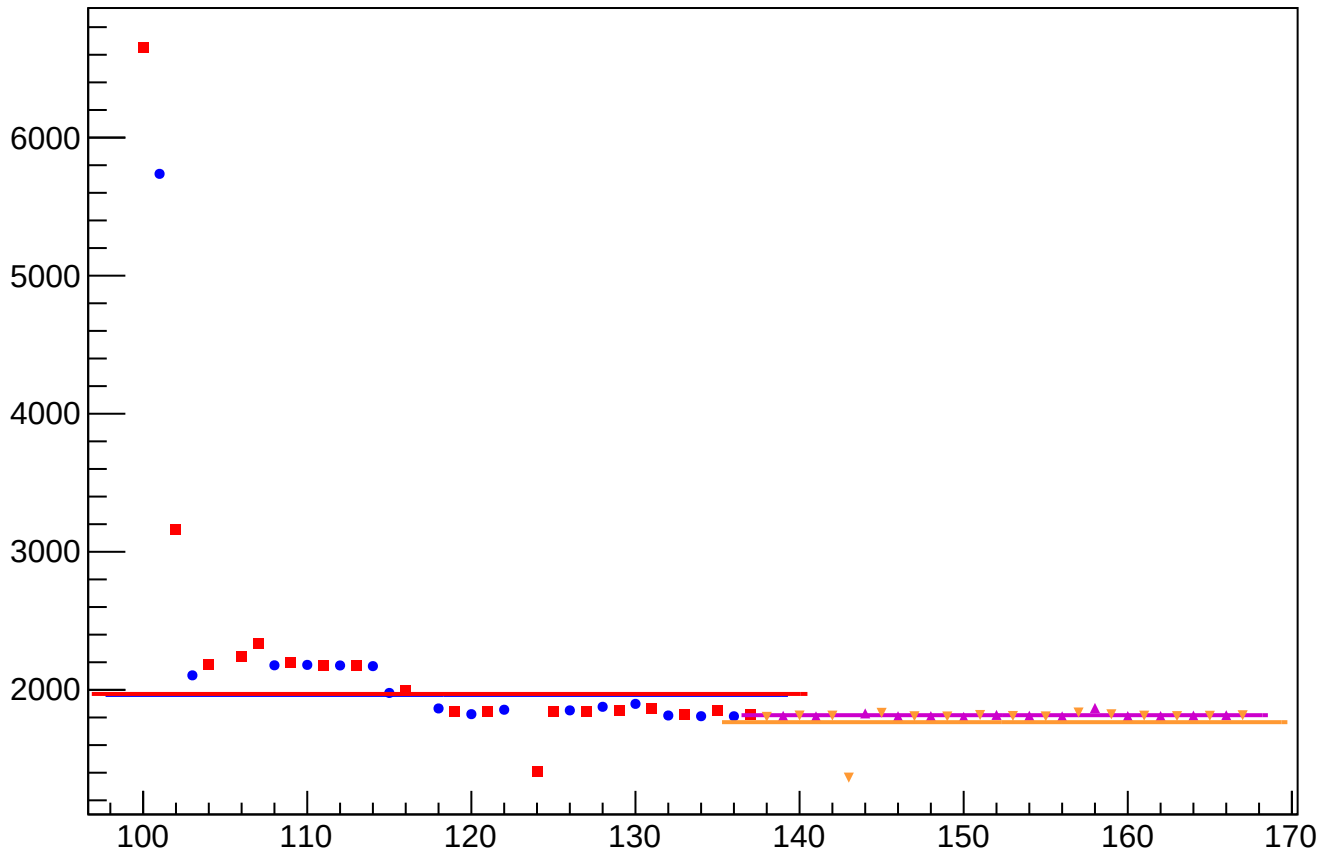
Left In: -2150.002 $\pm$ 534.606 χ^2 /NDF:24.6/13

+ sign 2132.871 $\pm$ 414.424 χ^2 /NDF: 35.9/31

All: 108.569 $\pm$ 299.322 χ^2 /NDF: 127.2/64

- sign -2099.069 $\pm$ 432.784 χ^2 /NDF: 41.4/32

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415 $\pm$ 0.528 χ^2 /NDF: 640254.1/15

Left Out: 1766.020 $\pm$ 0.352 χ^2 /NDF:159504.0/15

Right Out: 1970.459 $\pm$ 0.521 χ^2 /NDF: 345133.0/18

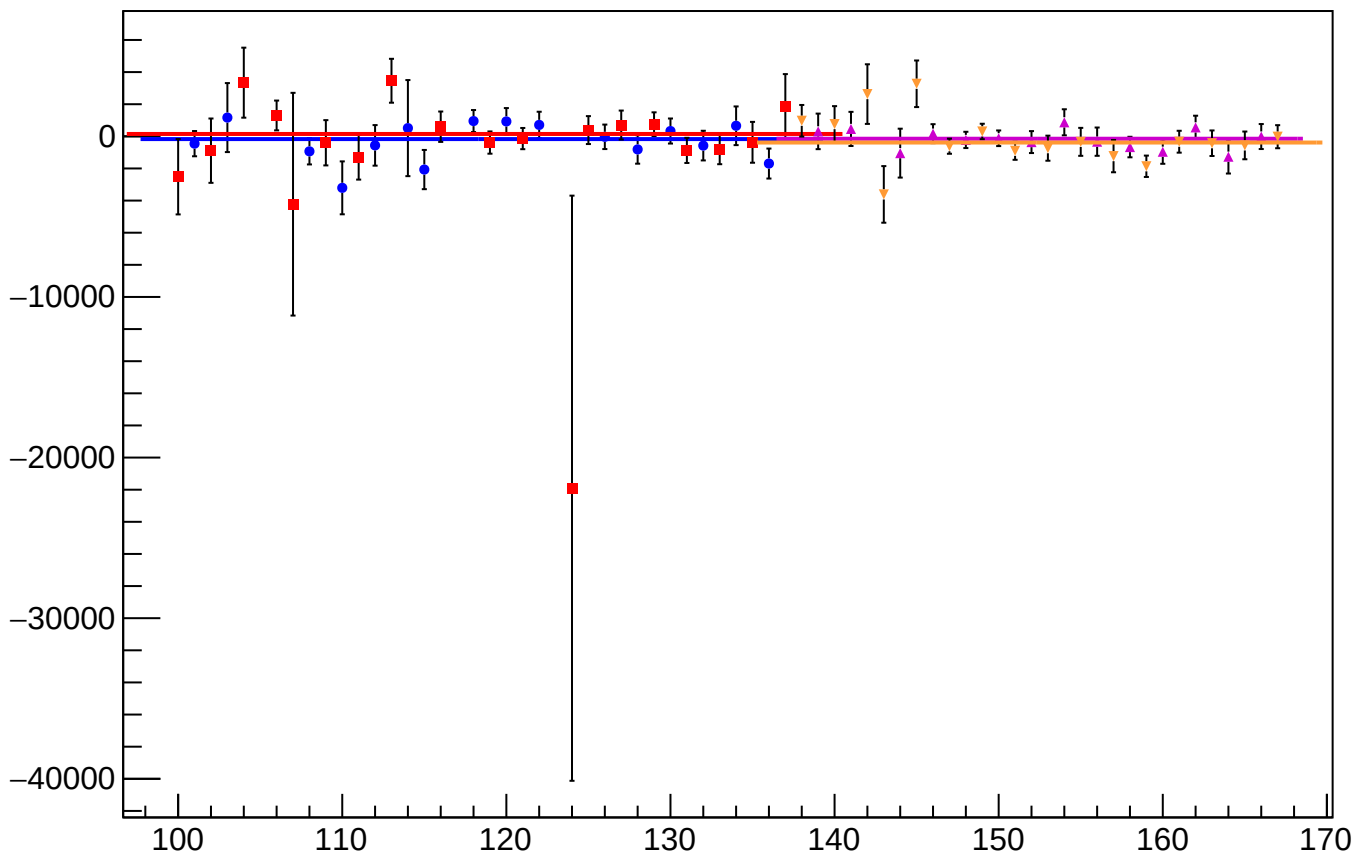
Left In: 1816.623 $\pm$ 0.378 χ^2 /NDF:1755.4/13

+ sign 1826.899 $\pm$ 0.293 χ^2 /NDF: 896538.8/31

All: 1847.345 $\pm$ 0.212 χ^2 /NDF: 1310680.5/64

- sign 1869.643 $\pm$ 0.306 χ^2 /NDF: 403964.6/32

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774 ± 236.912 χ^2/NDF : 17.2/15

Left Out: -385.779 ± 188.461 χ^2/NDF : 24.6/15

Right Out: 147.489 ± 242.848 χ^2/NDF : 20.1/18

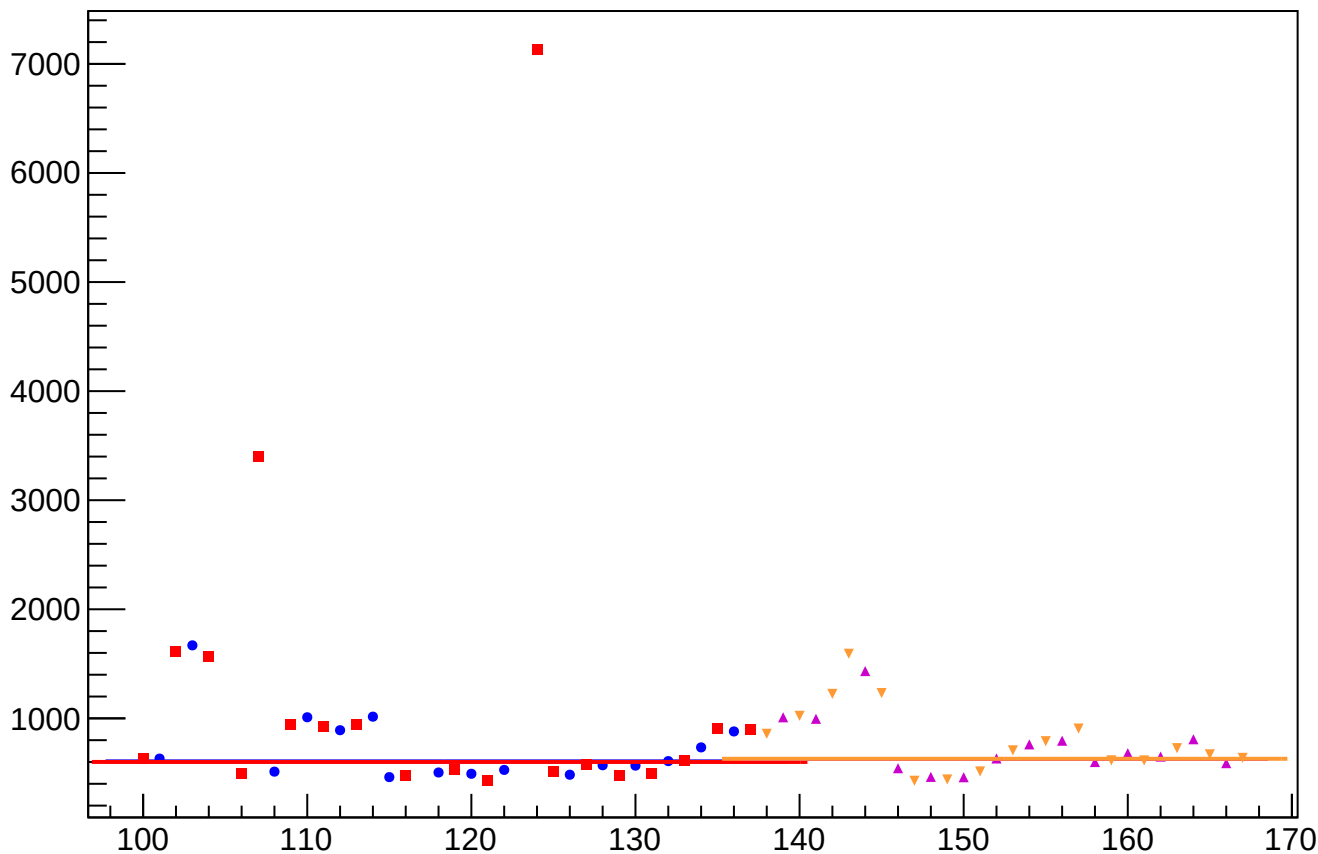
Left In: -149.542 ± 193.315 χ^2/NDF : 6.8/13

+ sign -302.452 ± 147.487 χ^2/NDF : 42.3/31

All: -171.764 ± 105.593 χ^2/NDF : 71.8/64

- sign -34.329 ± 151.246 χ^2/NDF : 27.8/32

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430 $\pm$ 0.168 χ^2 /NDF: 1162454.5/15

Left Out: 629.286 $\pm$ 0.133 χ^2 /NDF: 2542808.2/15

Right Out: 600.447 $\pm$ 0.172 χ^2 /NDF: 2328523.8/18

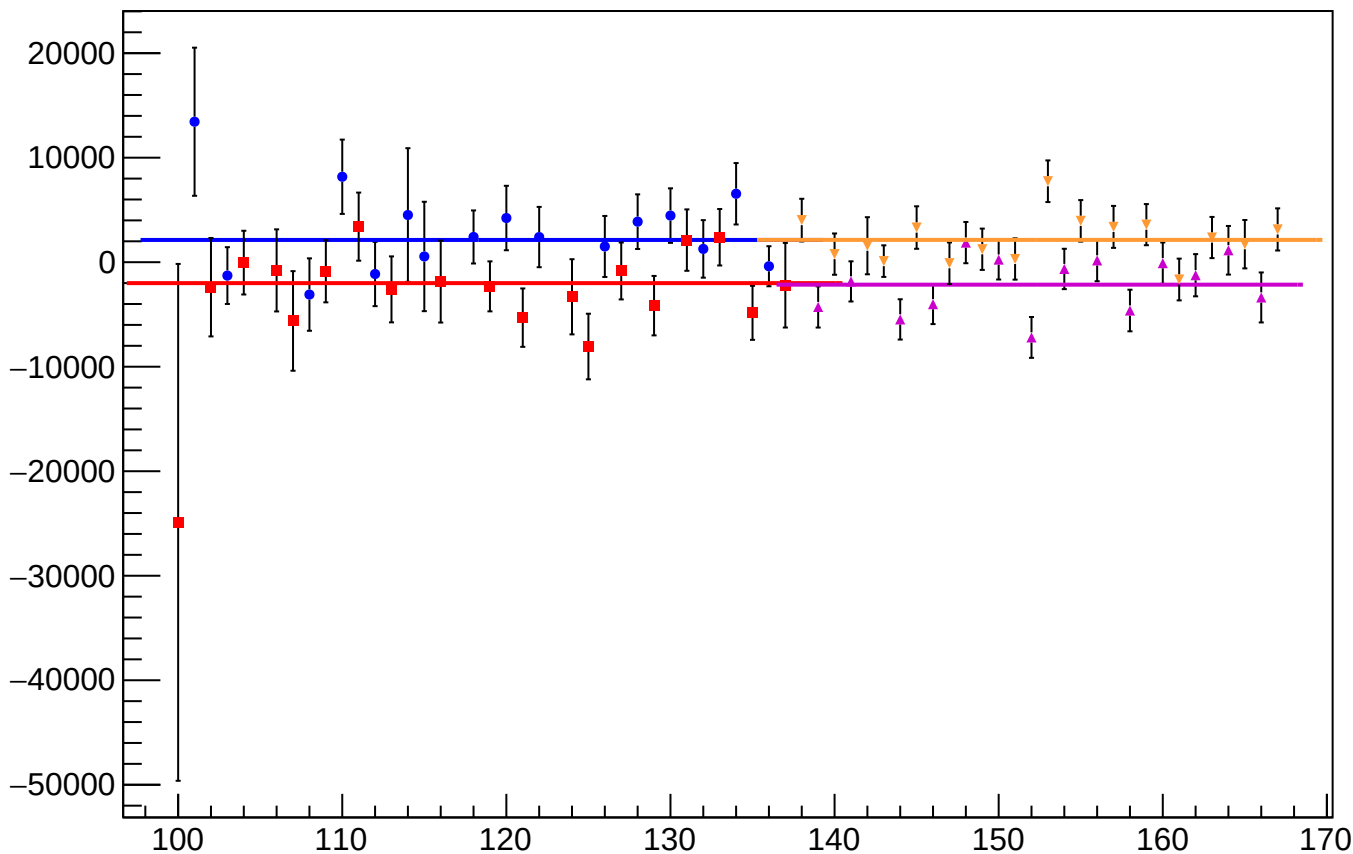
Left In: 627.326 $\pm$ 0.137 χ^2 /NDF: 1733947.6/13

+ sign 620.040 $\pm$ 0.104 χ^2 /NDF: 3717682.8/31

All: 618.509 $\pm$ 0.075 χ^2 /NDF: 7795593.9/64

- sign 616.900 $\pm$ 0.107 χ^2 /NDF: 4077469.1/32

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746 $\pm$ 746.242 χ^2 /NDF: 16.5/15

Left Out: 2134.710 $\pm$ 498.334 χ^2 /NDF:19.4/15

Right Out: -2002.218 $\pm$ 737.195 χ^2 /NDF: 16.7/18

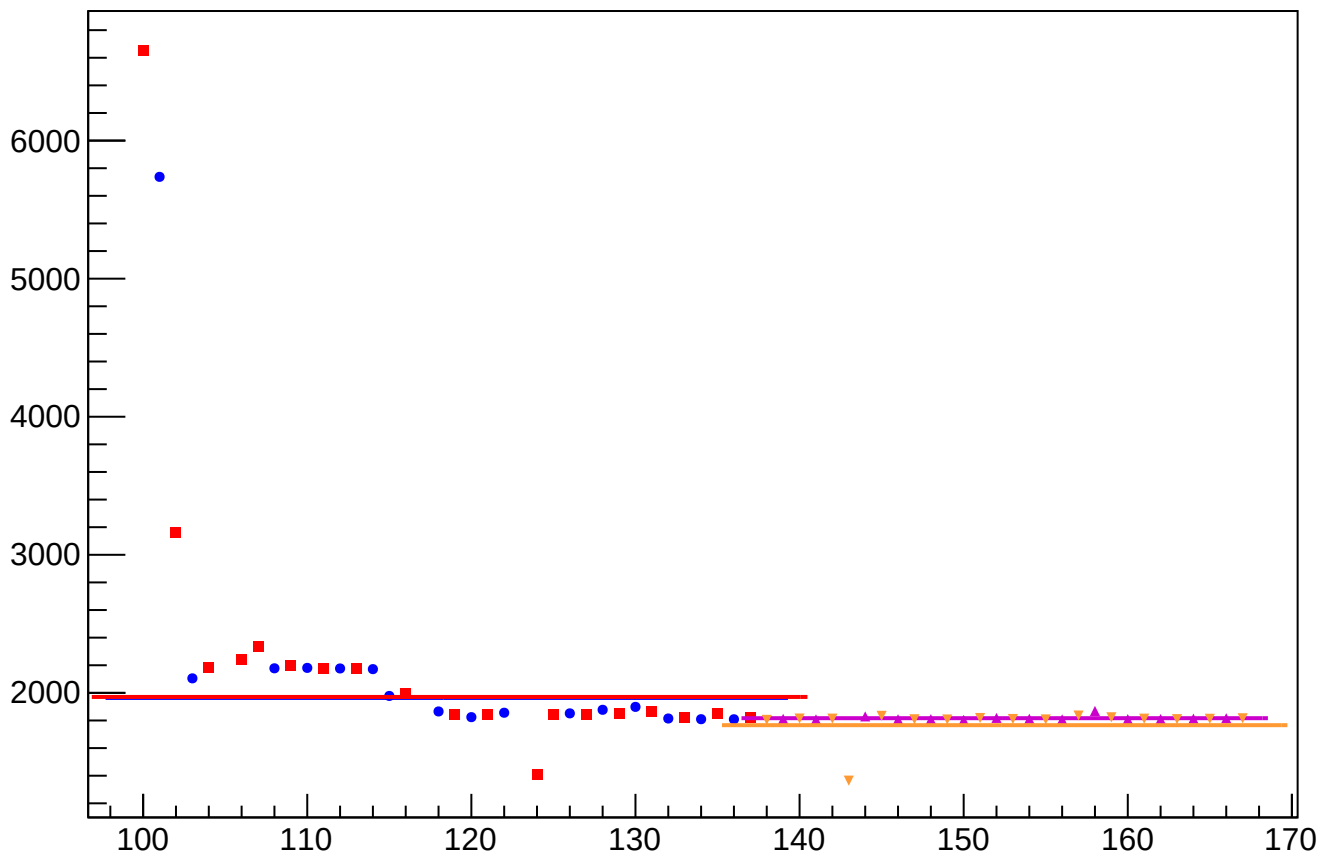
Left In: -2150.003 $\pm$ 534.606 χ^2 /NDF:24.6/13

+ sign 2132.870 $\pm$ 414.424 χ^2 /NDF: 35.9/31

All: 108.569 $\pm$ 299.322 χ^2 /NDF: 127.2/64

- sign -2099.069 $\pm$ 432.784 χ^2 /NDF: 41.4/32

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF : 640253.8/15

Left Out: 1766.020+/-0.352 χ^2/NDF :159503.9/15

Right Out: 1970.459+/-0.521 χ^2/NDF : 345131.7/18

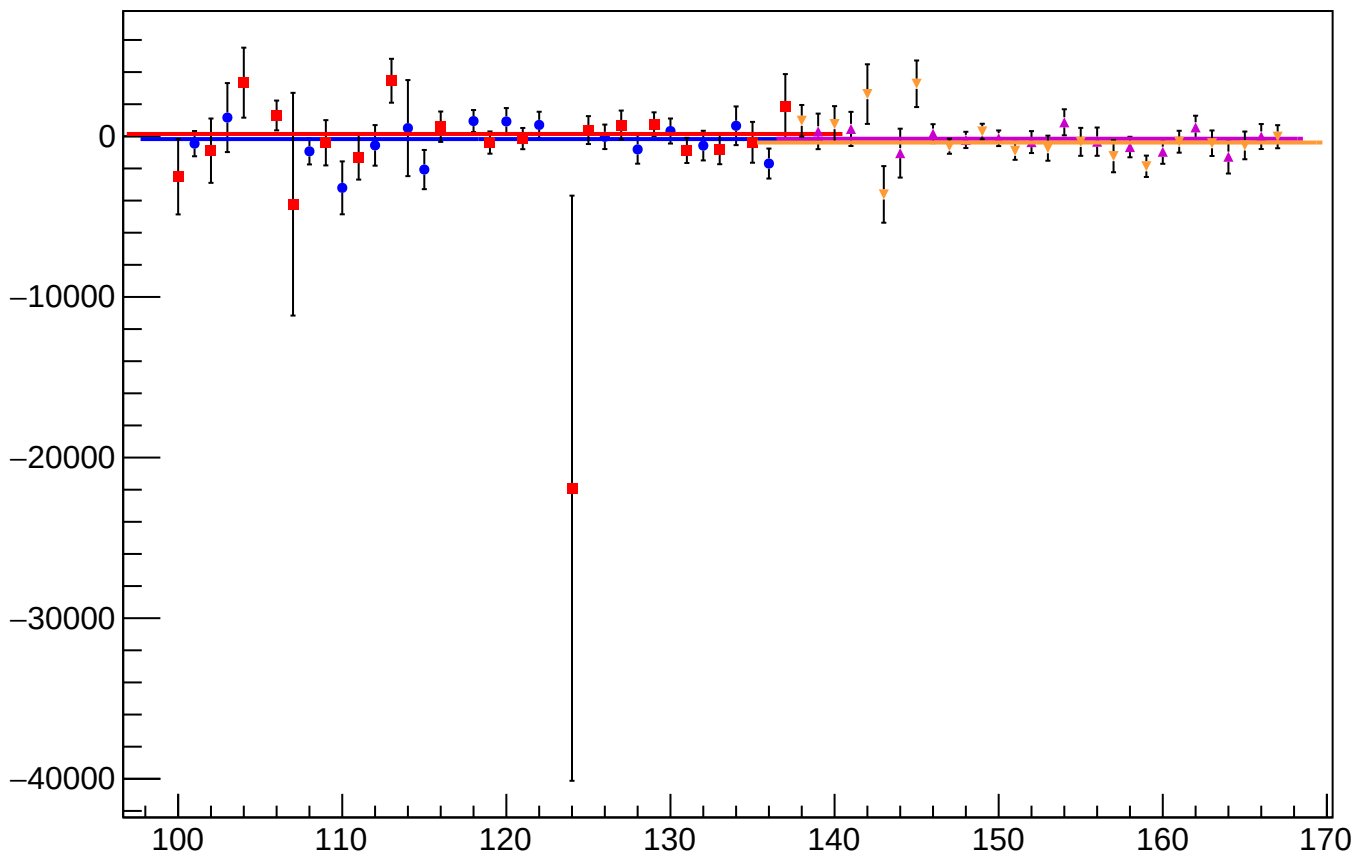
Left In: 1816.623+/-0.378 χ^2/NDF :1755.4/13

+ sign 1826.899+/-0.293 χ^2/NDF : 896538.3/31

All: 1847.345+/-0.212 χ^2/NDF : 1310678.5/64

- sign 1869.643+/-0.306 χ^2/NDF : 403963.1/32

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773 ± 236.912 χ^2/NDF : 17.2/15

Left Out: -385.780 ± 188.461 χ^2/NDF : 24.6/15

Right Out: 147.489 ± 242.847 χ^2/NDF : 20.1/18

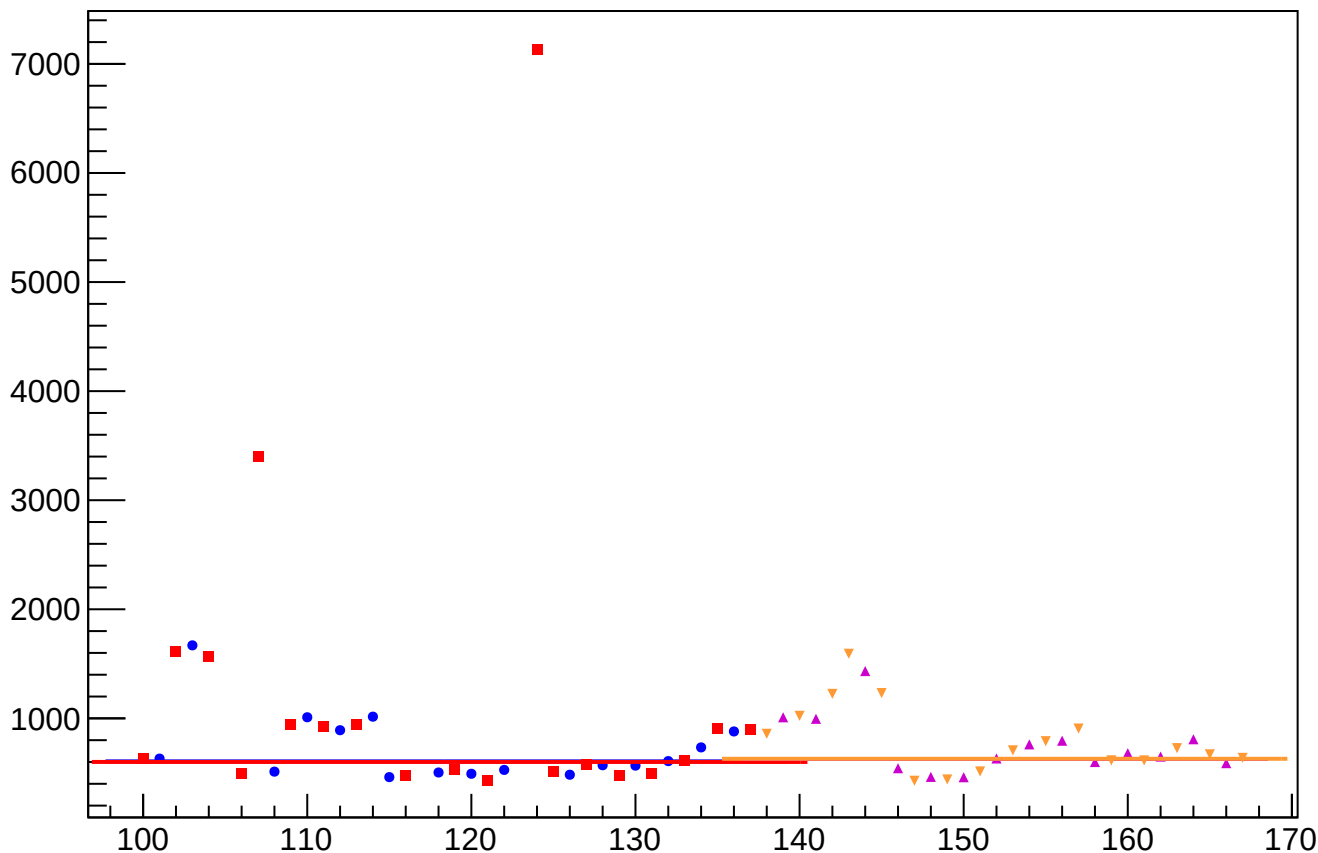
Left In: -149.542 ± 193.316 χ^2/NDF : 6.8/13

+ sign -302.452 ± 147.487 χ^2/NDF : 42.3/31

All: -171.764 ± 105.593 χ^2/NDF : 71.8/64

- sign -34.329 ± 151.246 χ^2/NDF : 27.8/32

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429 $\pm$ 0.168 χ^2 /NDF: 1162462.4/15

Left Out: 629.287 $\pm$ 0.133 χ^2 /NDF: 2542800.3/15

Right Out: 600.446 $\pm$ 0.172 χ^2 /NDF: 2328531.9/18

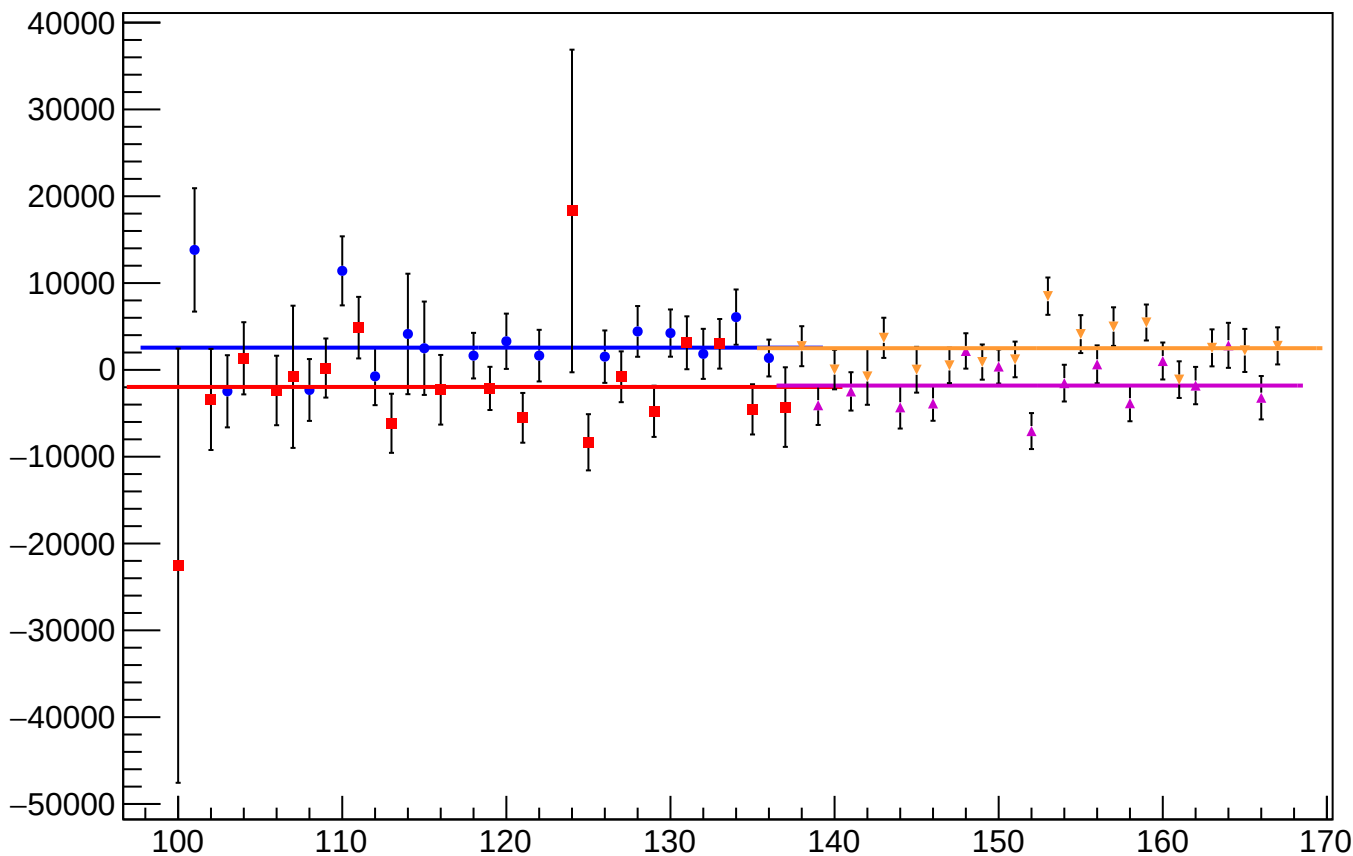
Left In: 627.327 $\pm$ 0.137 χ^2 /NDF: 1733942.8/13

+ sign 620.041 $\pm$ 0.104 χ^2 /NDF: 3717685.1/31

All: 618.510 $\pm$ 0.075 χ^2 /NDF: 7795601.5/64

- sign 616.900 $\pm$ 0.107 χ^2 /NDF: 4077474.4/32

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF : 14.6/15

Left Out: 2498.086+/-557.745 χ^2/NDF : 19.9/15

Right Out: -1966.731+/-818.839 χ^2/NDF : 21.6/18

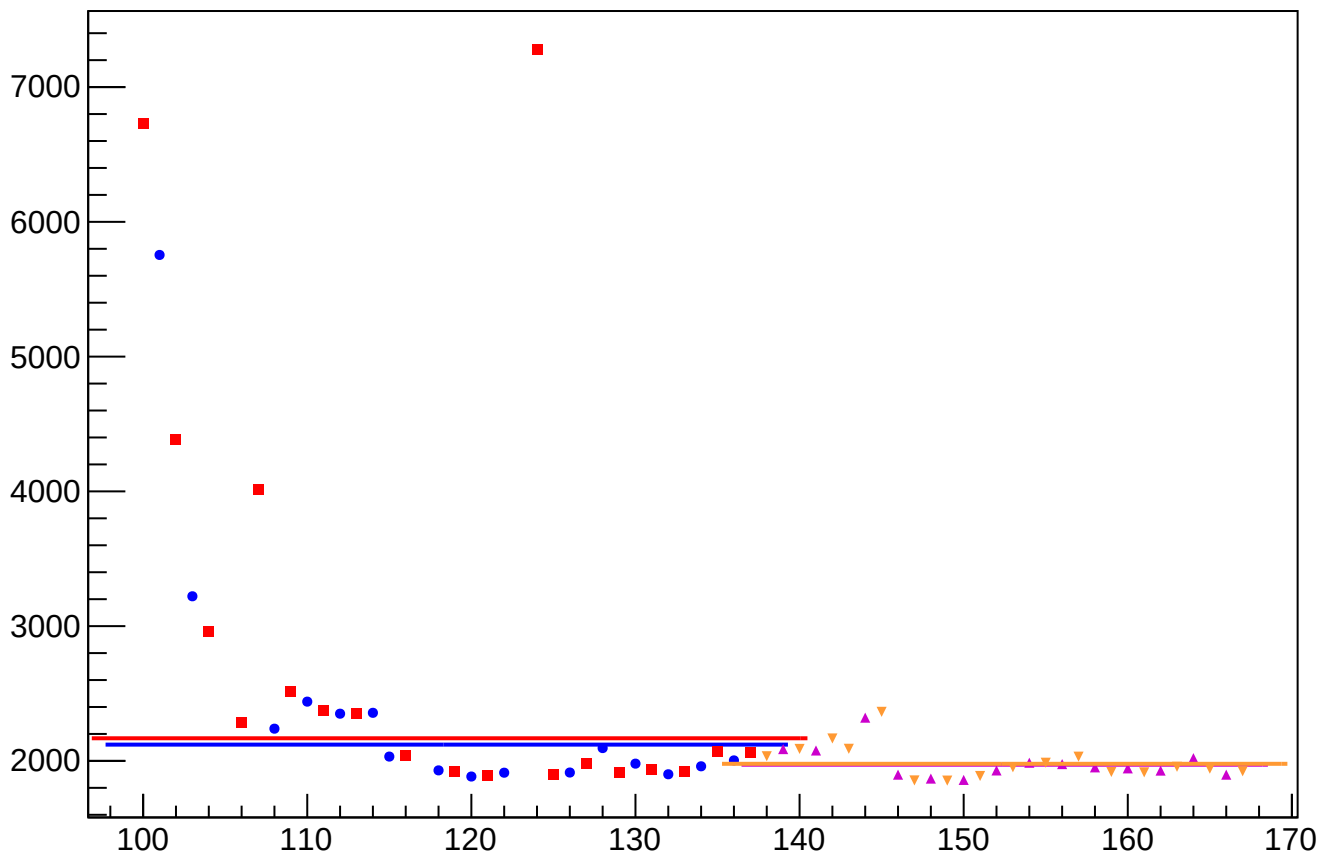
Left In: -1806.885+/-581.270 χ^2/NDF : 22.2/13

+ sign 2518.323+/-459.312 χ^2/NDF : 34.5/31

All: 397.769+/-329.849 χ^2/NDF : 122.3/64

- sign -1860.444+/-473.987 χ^2/NDF : 43.8/32

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF : 759969.1/15

Left Out: 1978.361+/-0.394 χ^2/NDF : 85596.7/15

Right Out: 2167.840+/-0.579 χ^2/NDF : 823925.5/18

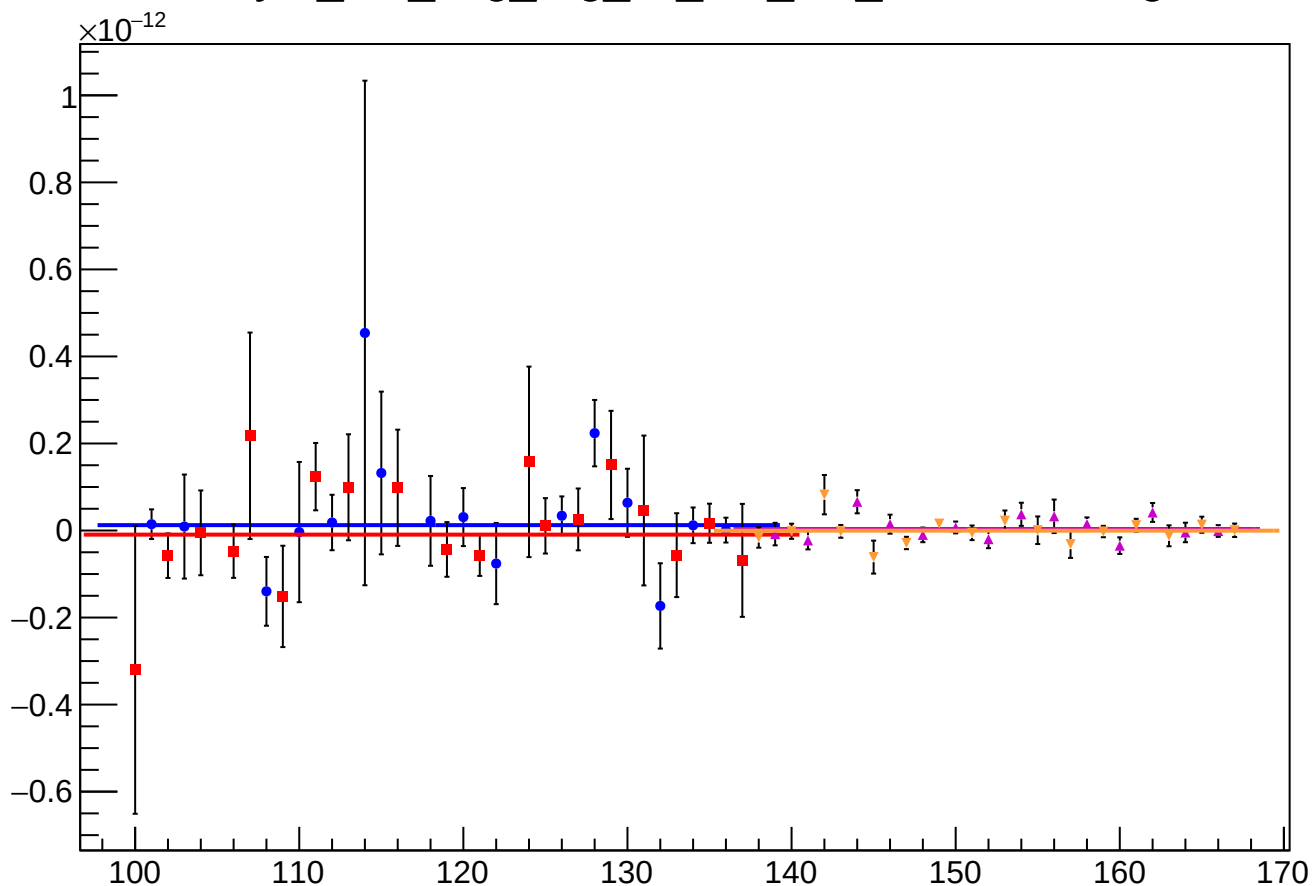
Left In: 1971.545+/-0.411 χ^2/NDF : 69572.3/13

+ sign 2024.193+/-0.325 χ^2/NDF : 887531.6/31

All: 2030.549+/-0.233 χ^2/NDF : 1858244.1/64

- sign 2037.318+/-0.335 χ^2/NDF : 969921.7/32

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.8/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.8/18

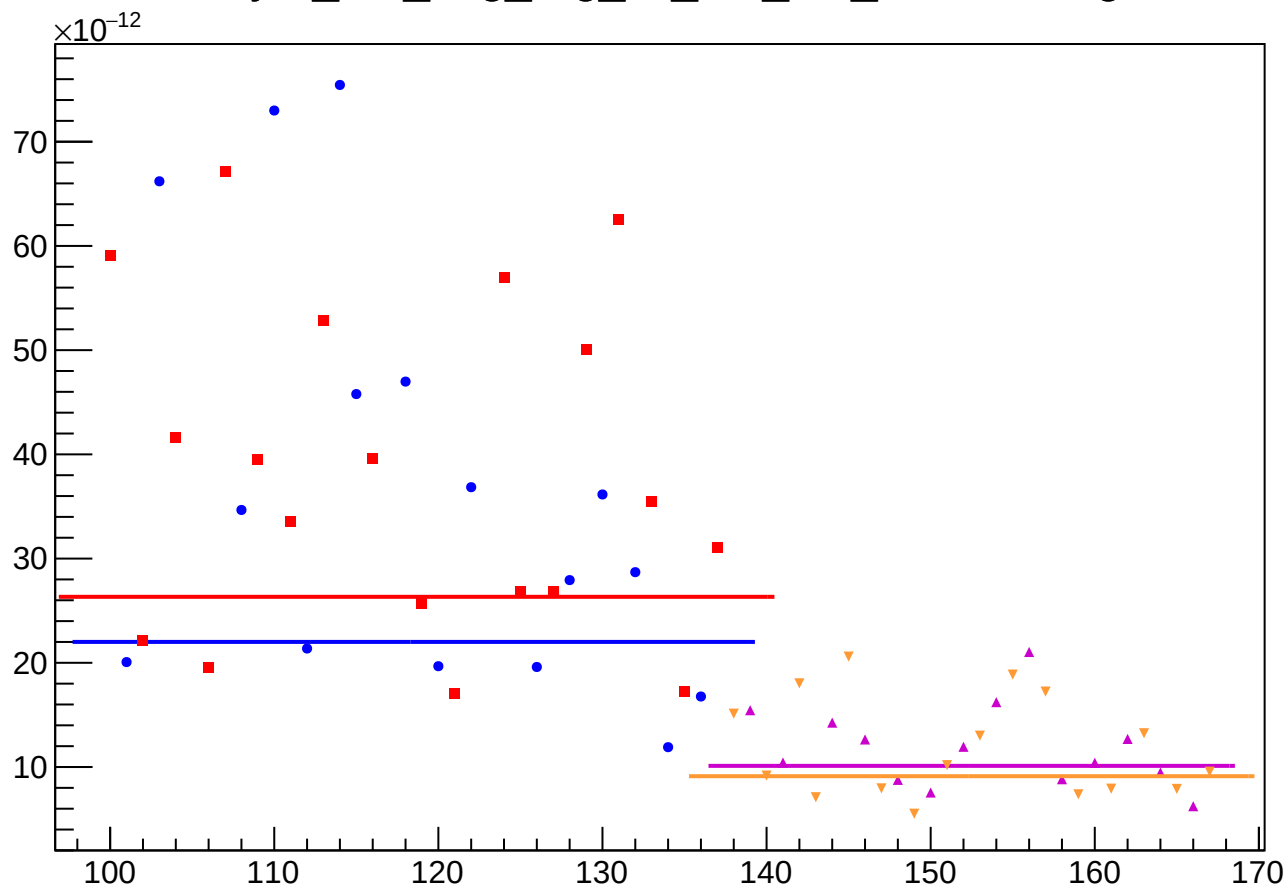
Left In: 0.000 ± 0.000 χ^2/NDF : 19.6/13

+ sign 0.000 ± 0.000 χ^2/NDF : 34.2/31

All: 0.000 ± 0.000 χ^2/NDF : 68.2/64

- sign 0.000 ± 0.000 χ^2/NDF : 33.8/32

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 :1135012.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 705211.2/18

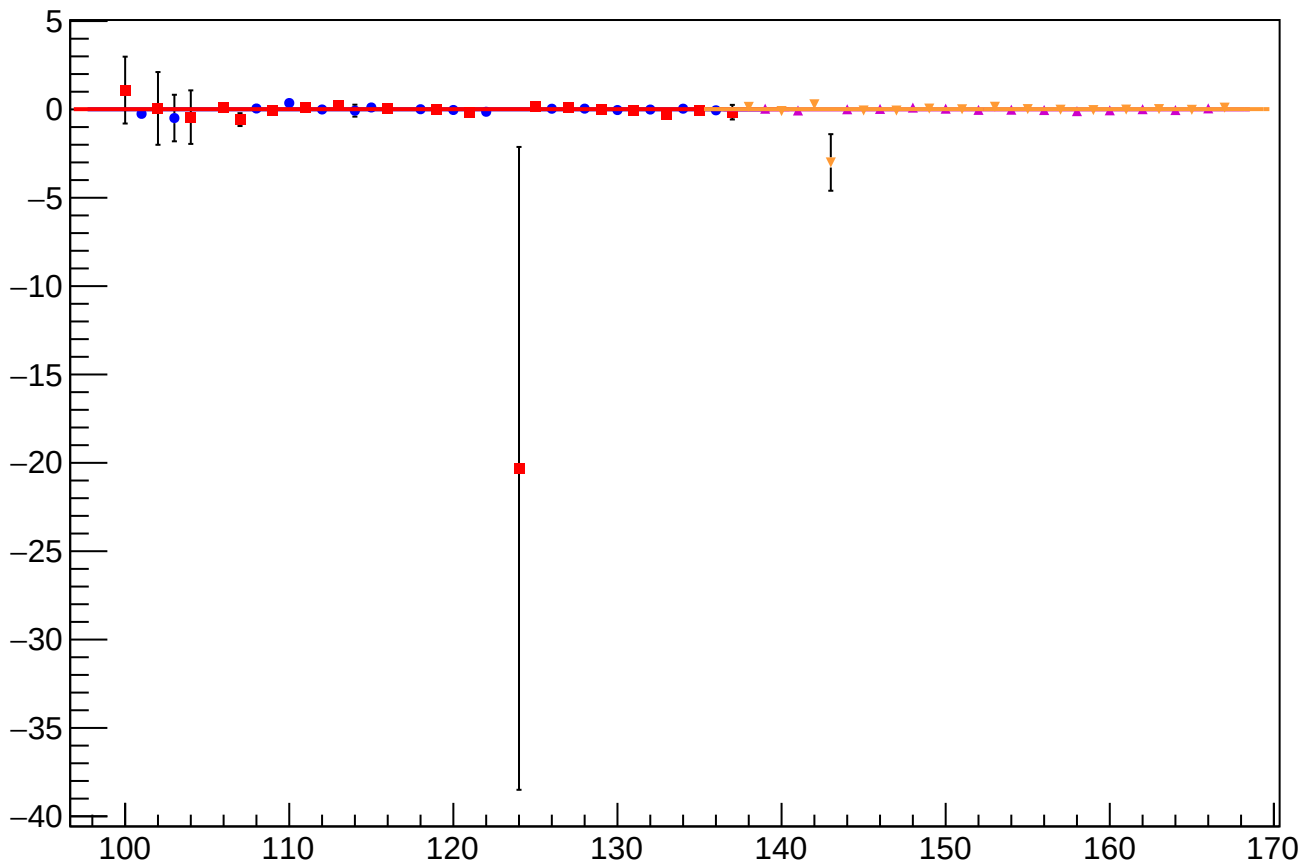
Left In: 0.000+/-0.000 χ^2/NDF :735543.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 3568536.5/31

All: 0.000+/-0.000 χ^2/NDF : 6563892.8/64

- sign 0.000+/-0.000 χ^2/NDF : 2935196.4/32

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.016 $\pm$ 0.015 χ^2 /NDF: 24.3/15

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

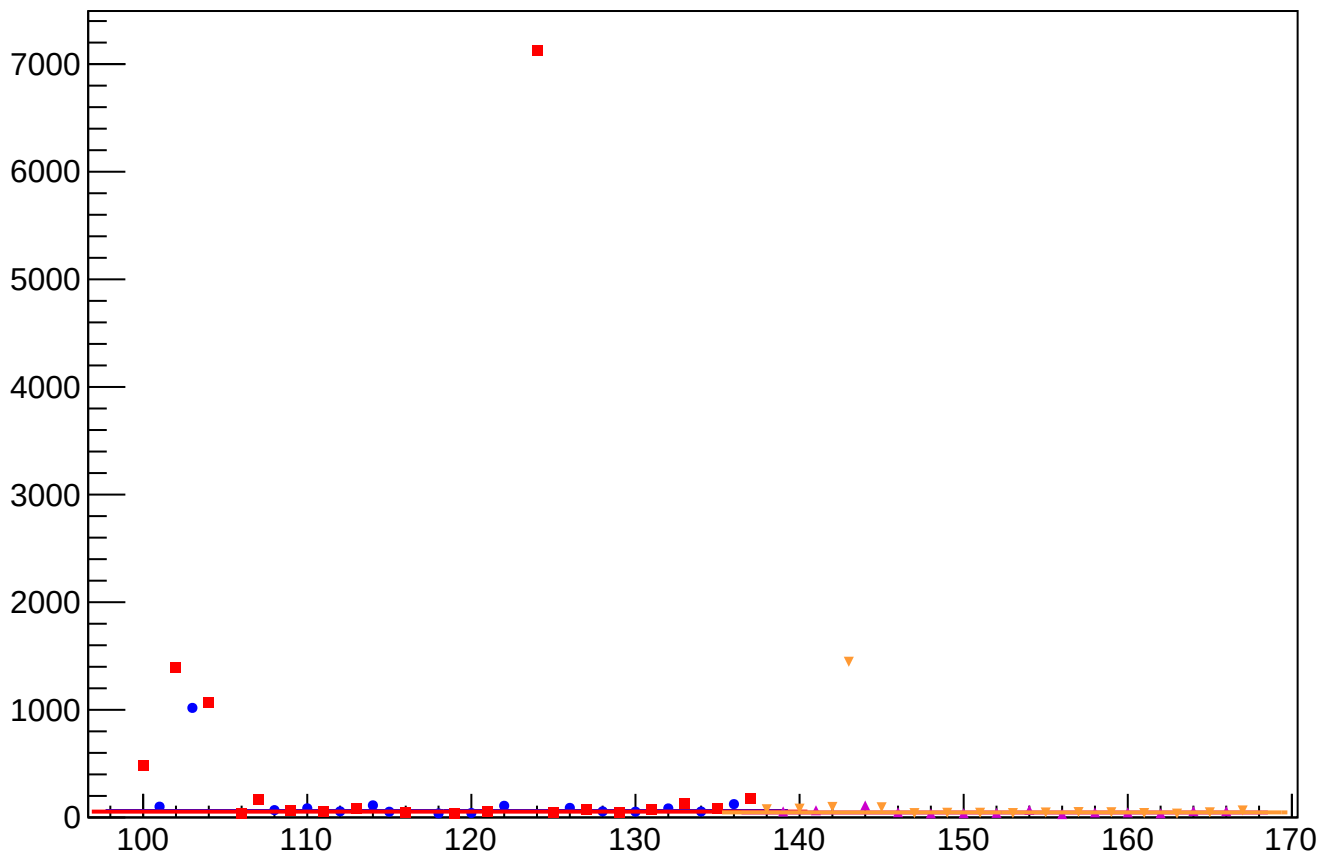
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF: 12.8/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 35.8/31

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 66.6/64

- sign 0.004 $\pm$ 0.013 χ^2 /NDF: 30.6/32

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: 46.978 $\pm$ 0.011 χ^2 /NDF: 2928819.1/15

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

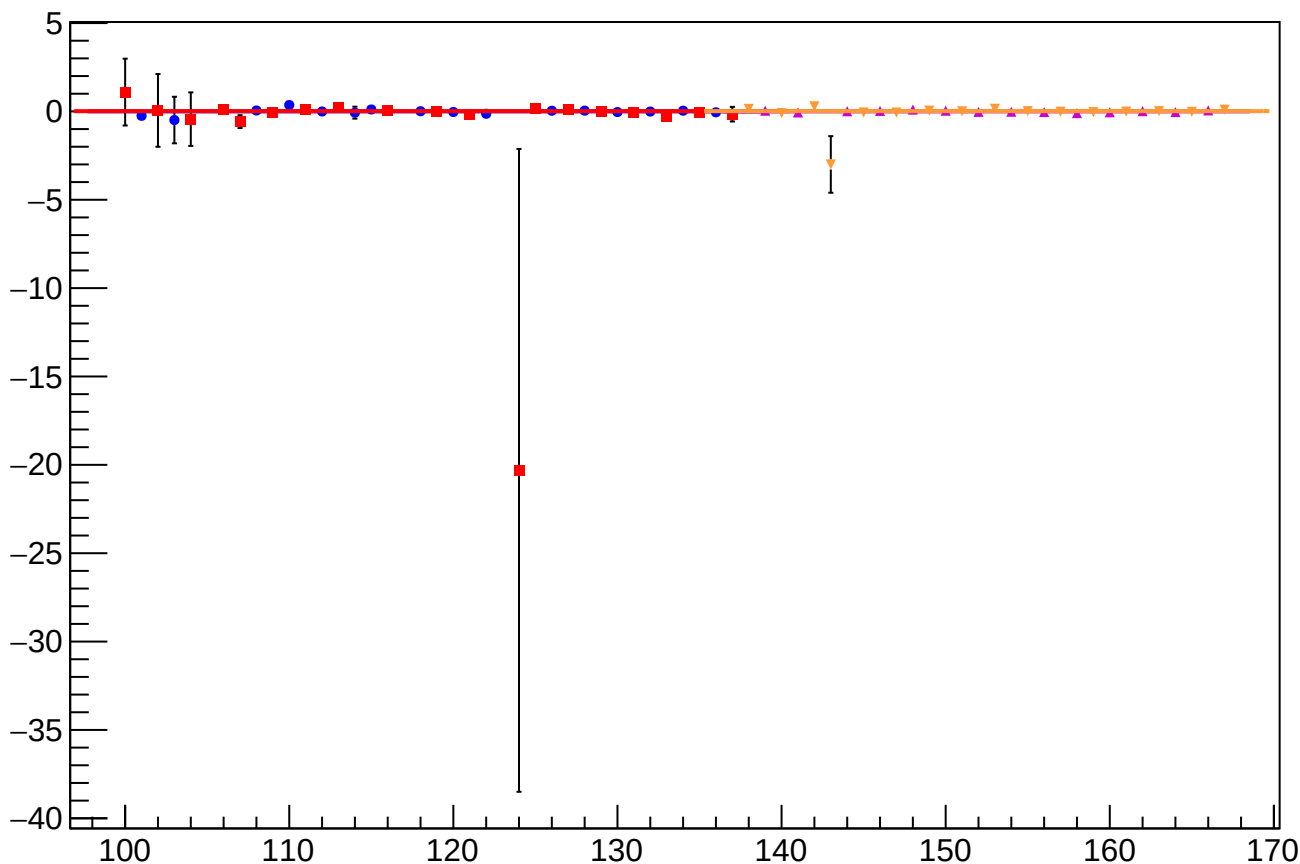
Left In: 45.984 $\pm$ 0.011 χ^2 /NDF: 1471245.8/13

+ sign 50.164 $\pm$ 0.009 χ^2 /NDF: 5816362.5/31

All: 49.139 $\pm$ 0.007 χ^2 /NDF: 10984406.9/64

- sign 48.135 $\pm$ 0.009 χ^2 /NDF: 5144530.3/32

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: 0.016 $\pm$ 0.015 χ^2 /NDF:24.3/15

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

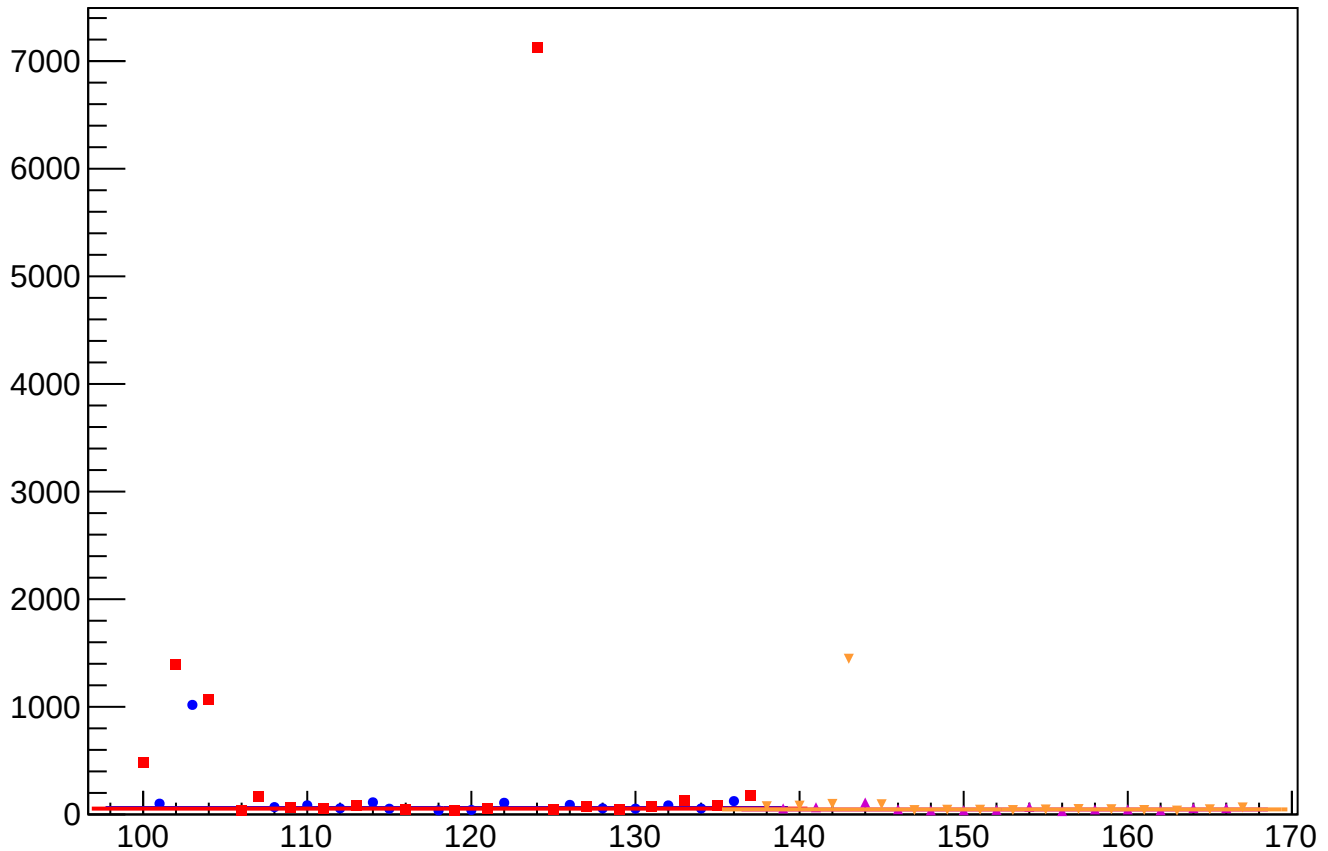
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF:12.8/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 35.8/31

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 66.6/64

- sign 0.004 $\pm$ 0.013 χ^2 /NDF: 30.6/32

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840 $\pm$ 0.019 χ^2 /NDF: 2538867.4/15

Left Out: 46.978 $\pm$ 0.011 χ^2 /NDF: 2928819.1/15

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

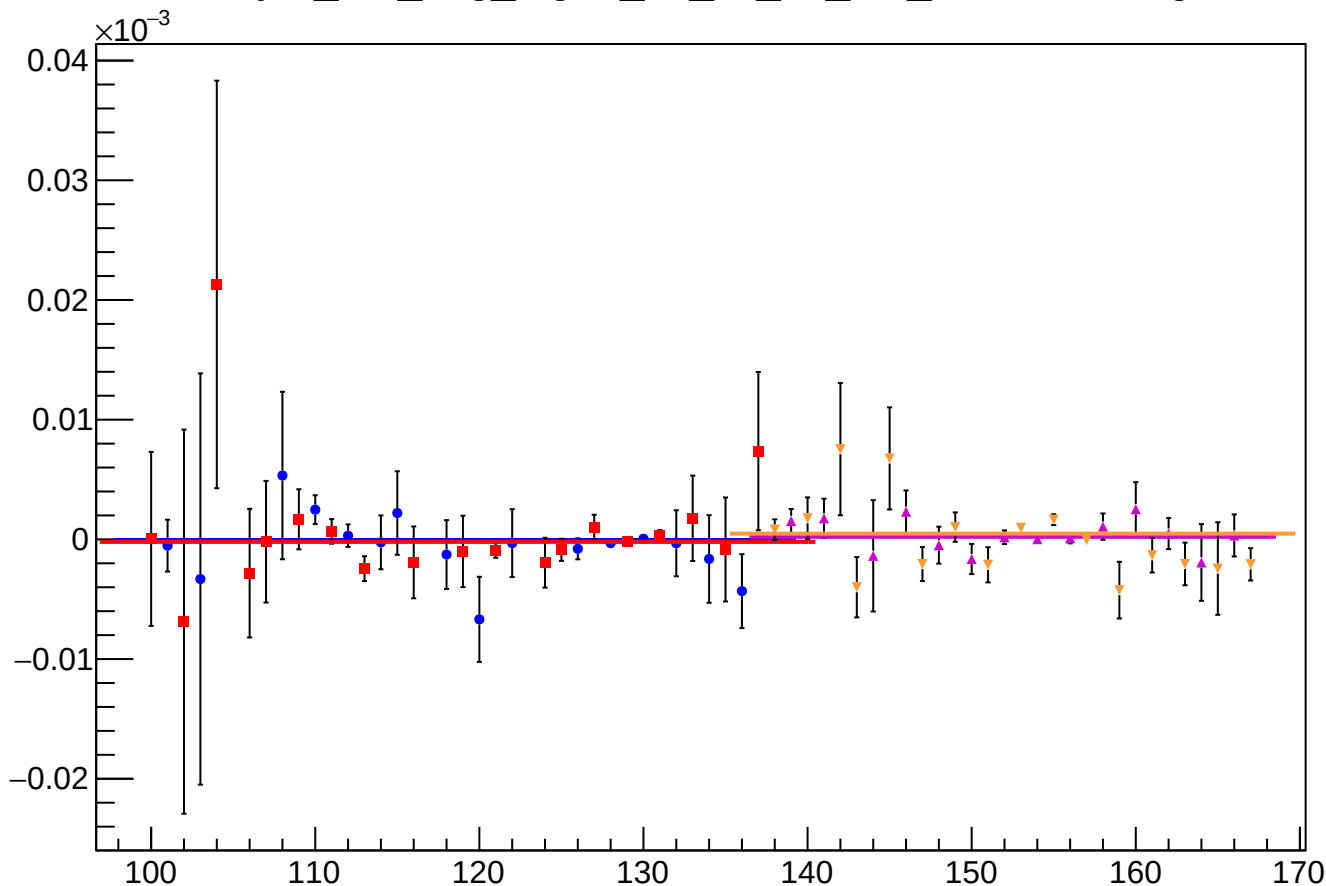
Left In: 45.984 $\pm$ 0.011 χ^2 /NDF: 1471245.8/13

+ sign 50.164 $\pm$ 0.009 χ^2 /NDF: 5816362.5/31

All: 49.139 $\pm$ 0.007 χ^2 /NDF: 10984406.9/64

- sign 48.135 $\pm$ 0.009 χ^2 /NDF: 5144530.3/32

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:36.0/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

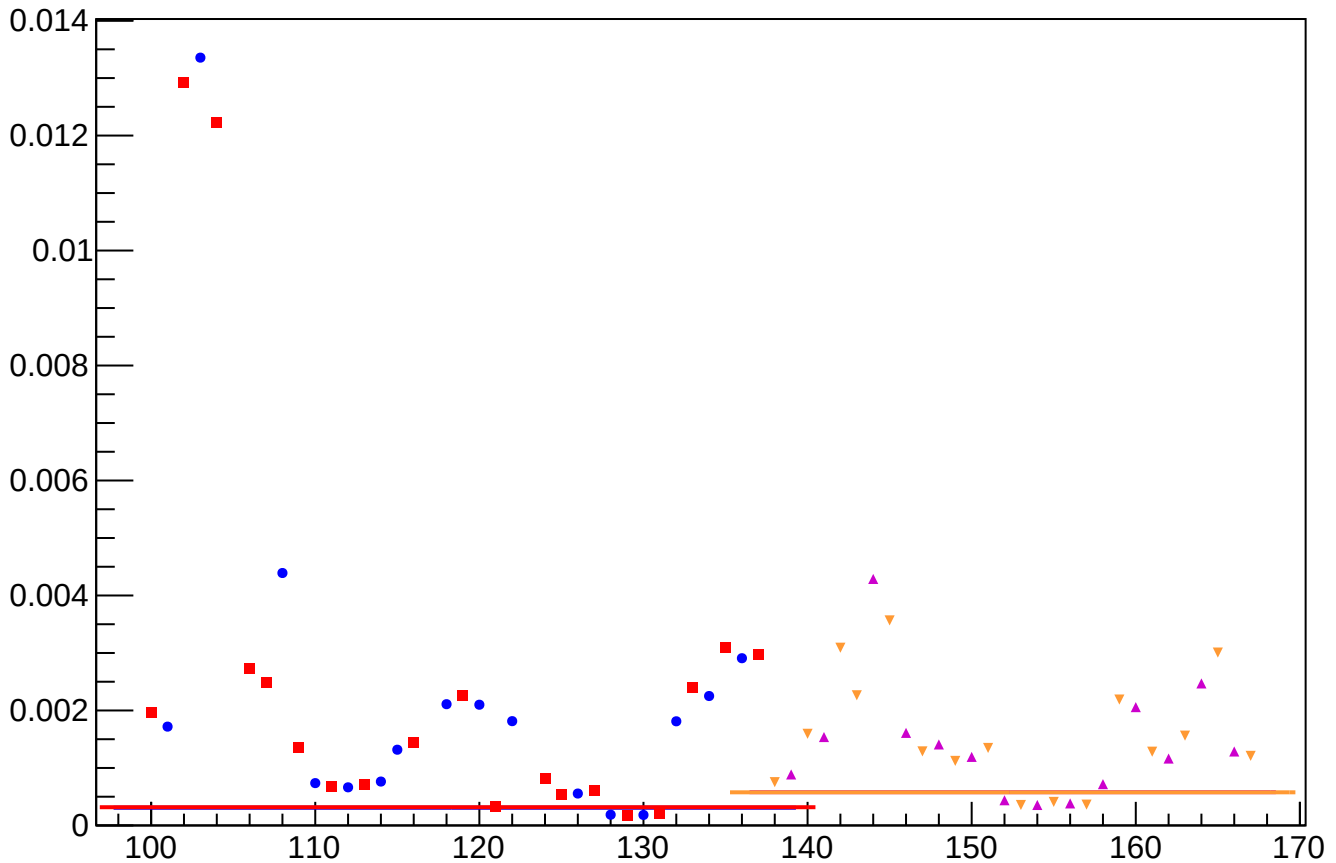
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.2/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.8/32

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8756212.9/15

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:9252315.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8015537.3/18

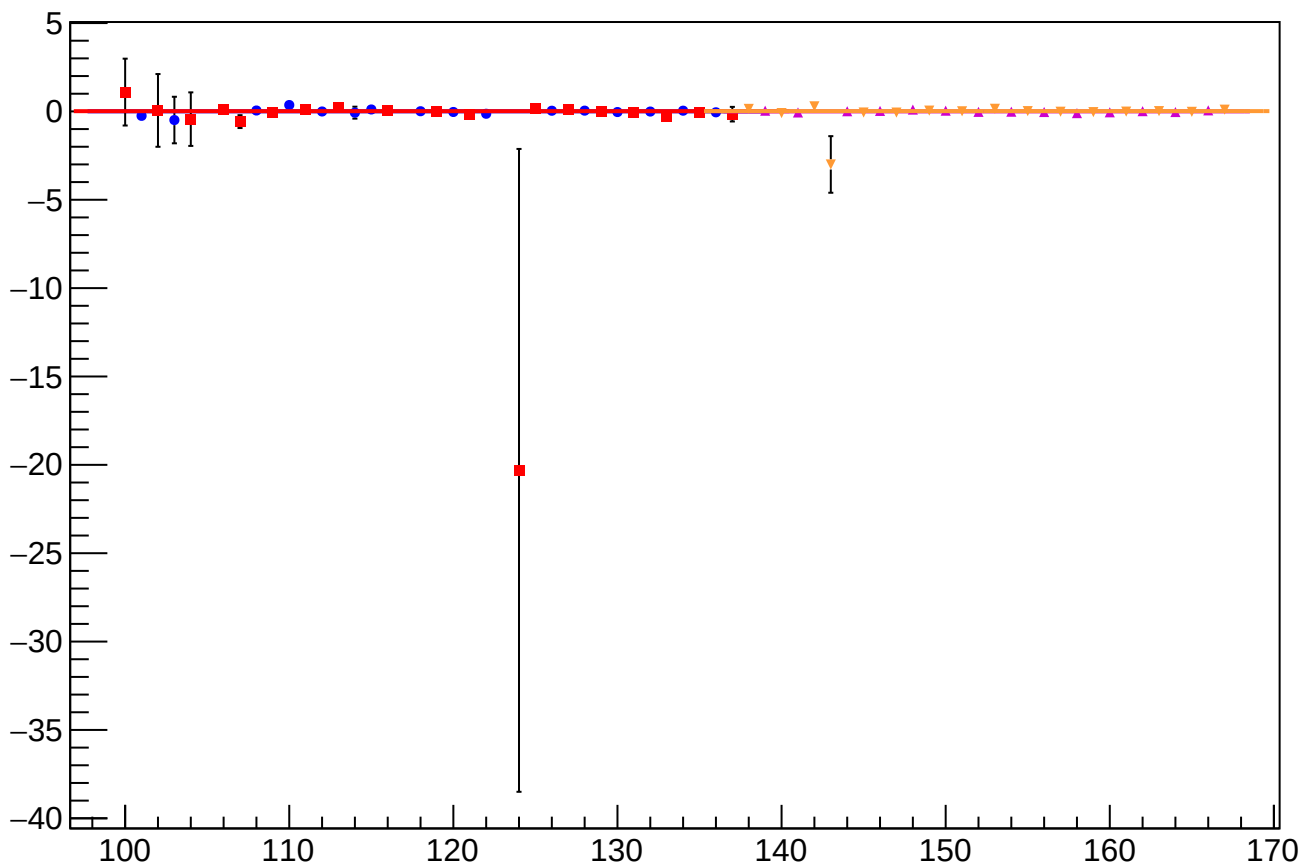
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:7419692.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19780761.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36809706.7/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17028774.5/32

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.027 χ^2/NDF : 11.4/15

Left Out: 0.016 ± 0.015 χ^2/NDF : 24.3/15

Right Out: 0.013 ± 0.026 χ^2/NDF : 17.6/18

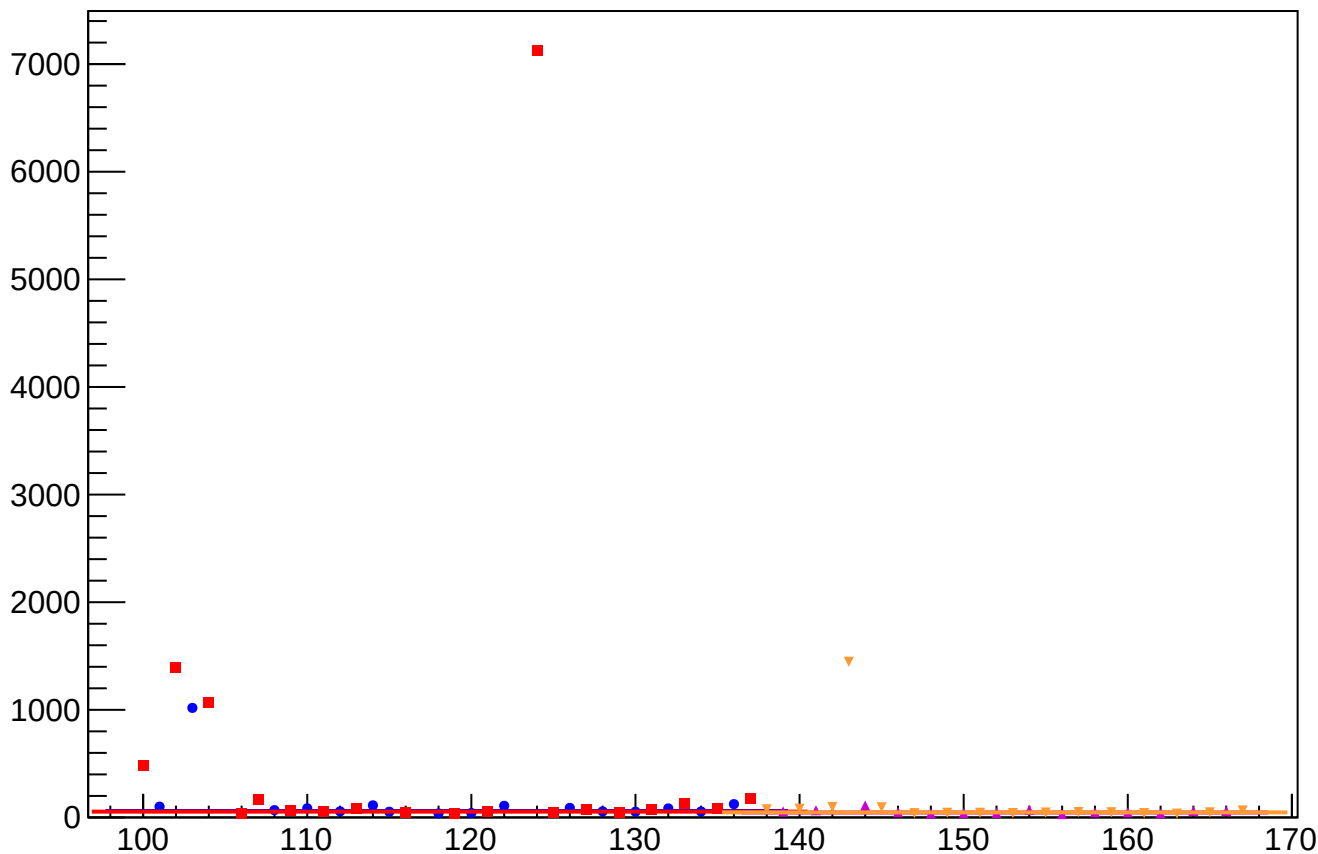
Left In: 0.001 ± 0.015 χ^2/NDF : 12.8/13

+ sign 0.013 ± 0.013 χ^2/NDF : 35.8/31

All: 0.008 ± 0.009 χ^2/NDF : 66.6/64

- sign 0.004 ± 0.013 χ^2/NDF : 30.6/32

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839 ± 0.019 χ^2/NDF : 2538881.2/15

Left Out: 46.978 ± 0.011 χ^2/NDF : 2928806.1/15

Right Out: 54.248 ± 0.018 χ^2/NDF : 3521640.4/18

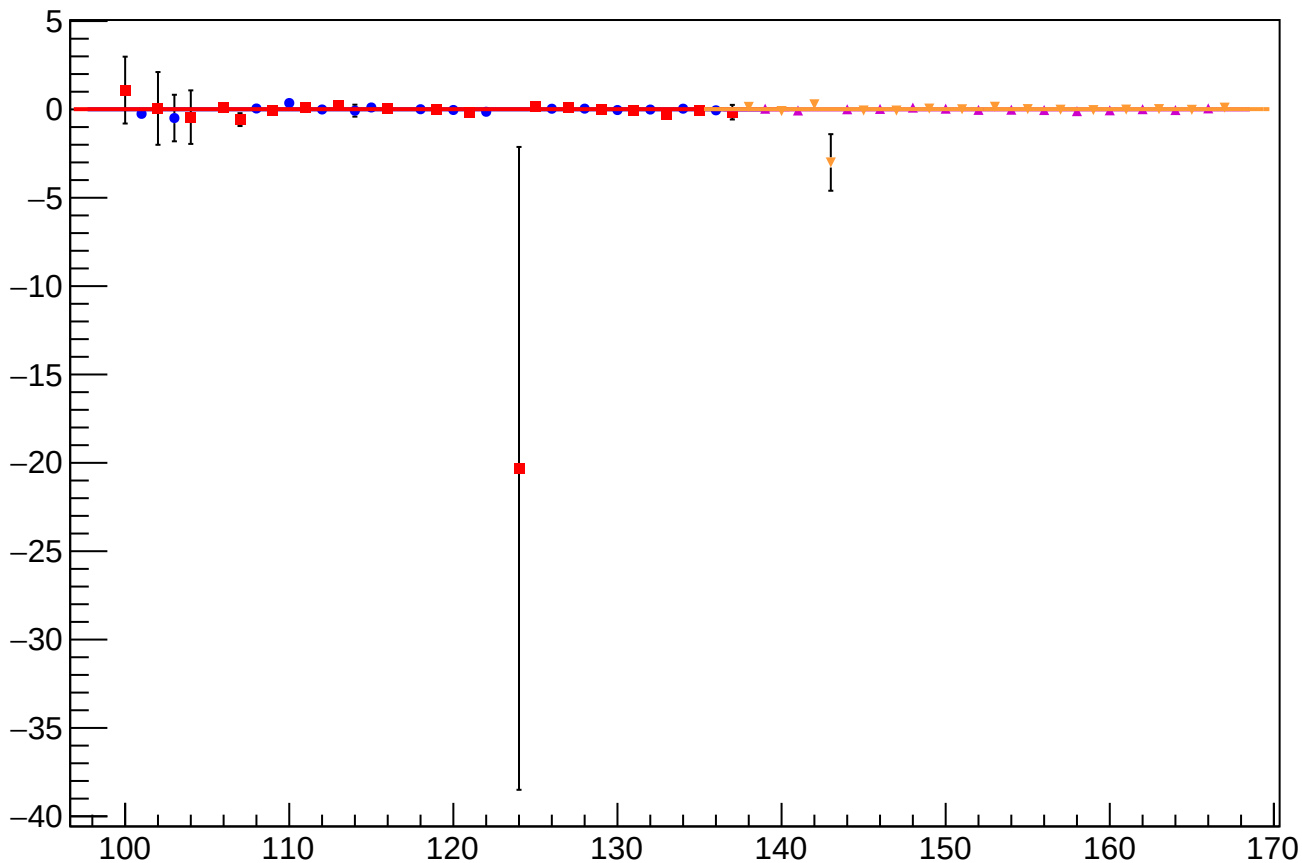
Left In: 45.984 ± 0.011 χ^2/NDF : 1471249.8/13

+ sign 50.164 ± 0.009 χ^2/NDF : 5816341.6/31

All: 49.139 ± 0.007 χ^2/NDF : 10984424.8/64

- sign 48.134 ± 0.009 χ^2/NDF : 5144559.9/32

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: 0.016 $\pm$ 0.015 χ^2 /NDF: 24.3/15

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

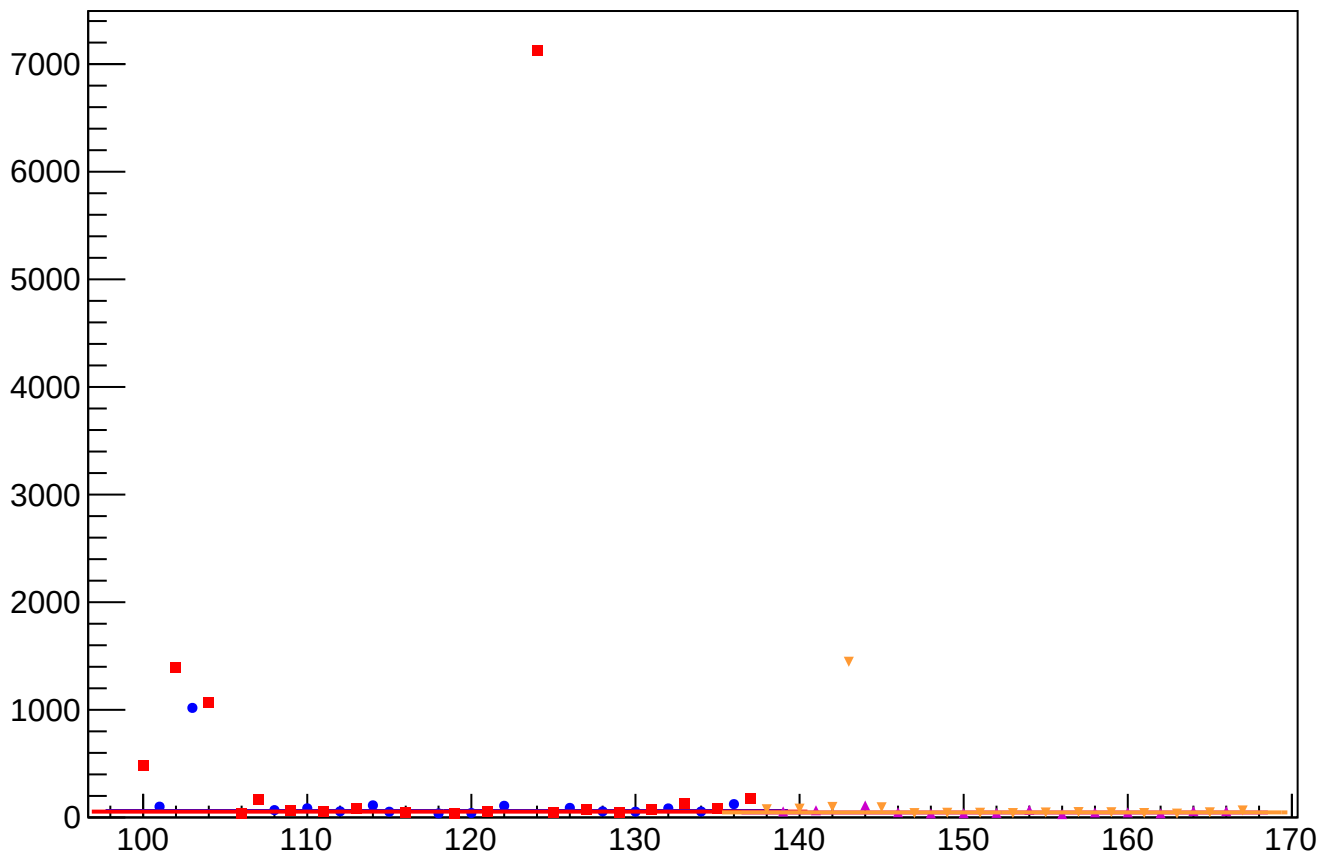
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF: 12.8/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 35.8/31

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 66.6/64

- sign 0.004 $\pm$ 0.013 χ^2 /NDF: 30.6/32

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: 46.978+/-0.011 χ^2/NDF : 2928806.1/15

Right Out: 54.248+/-0.018 χ^2/NDF : 3521640.4/18

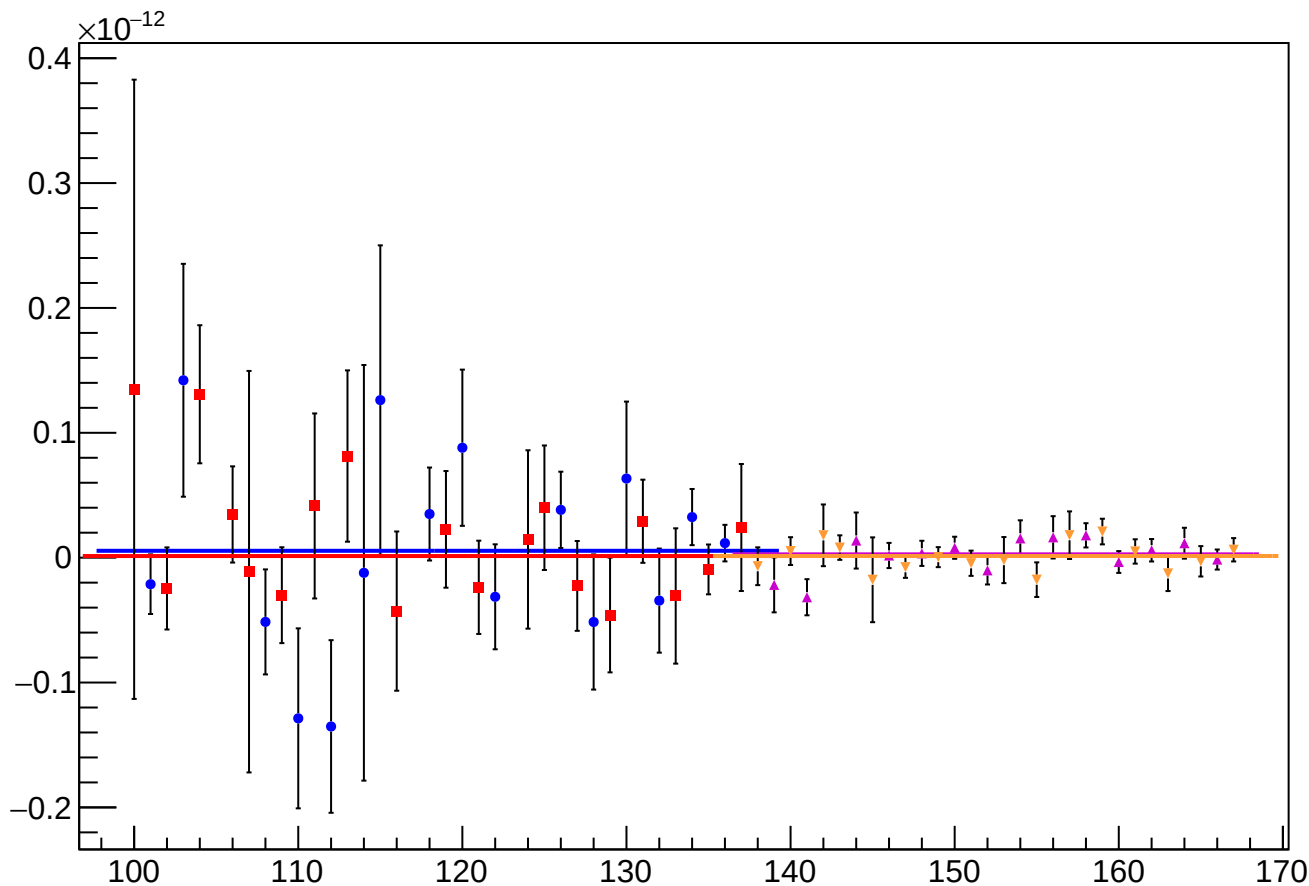
Left In: 45.984+/-0.011 χ^2/NDF : 1471249.8/13

+ sign 50.164+/-0.009 χ^2/NDF : 5816341.6/31

All: 49.139+/-0.007 χ^2/NDF : 10984424.8/64

- sign 48.134+/-0.009 χ^2/NDF : 5144559.9/32

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:10.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

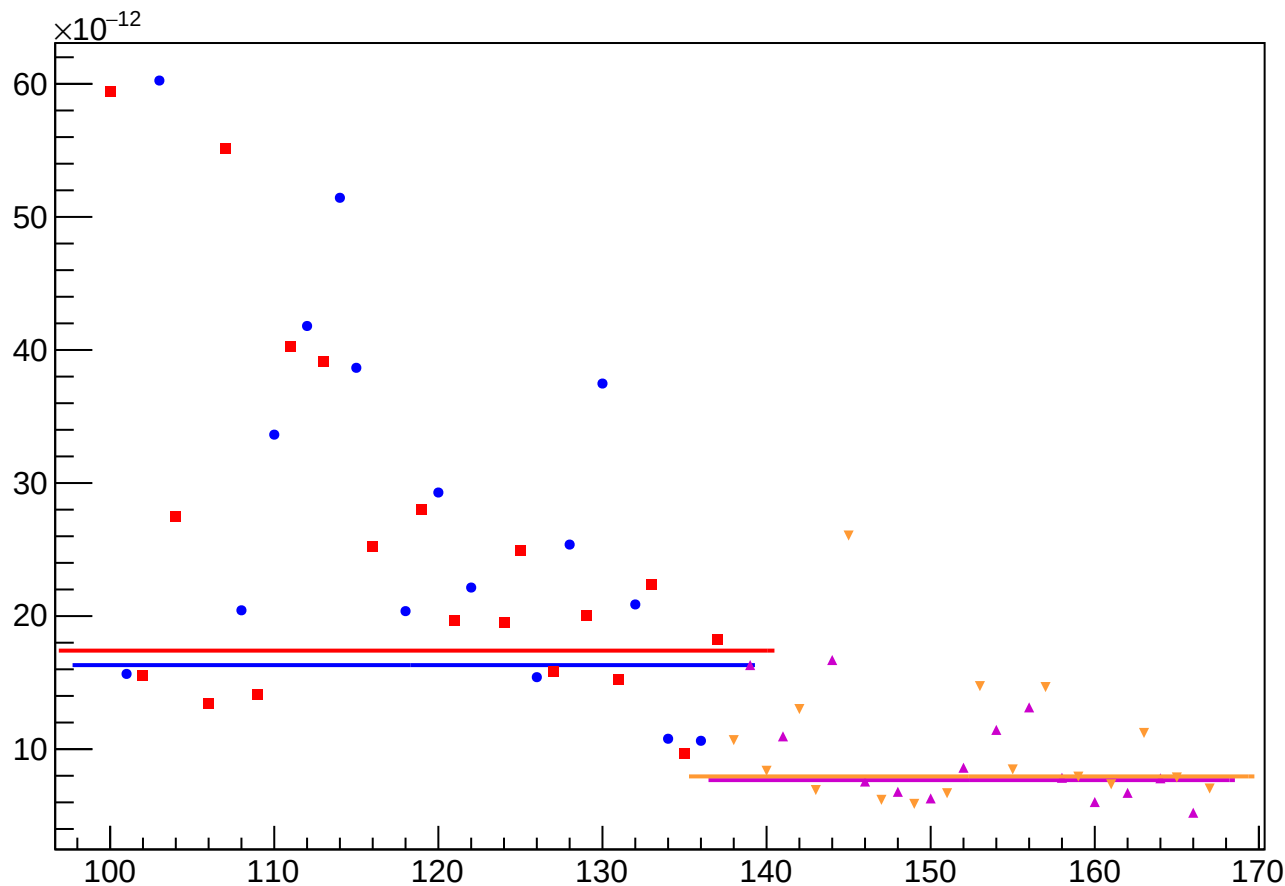
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 62.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/32

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 : 1646056.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1197059.5/18

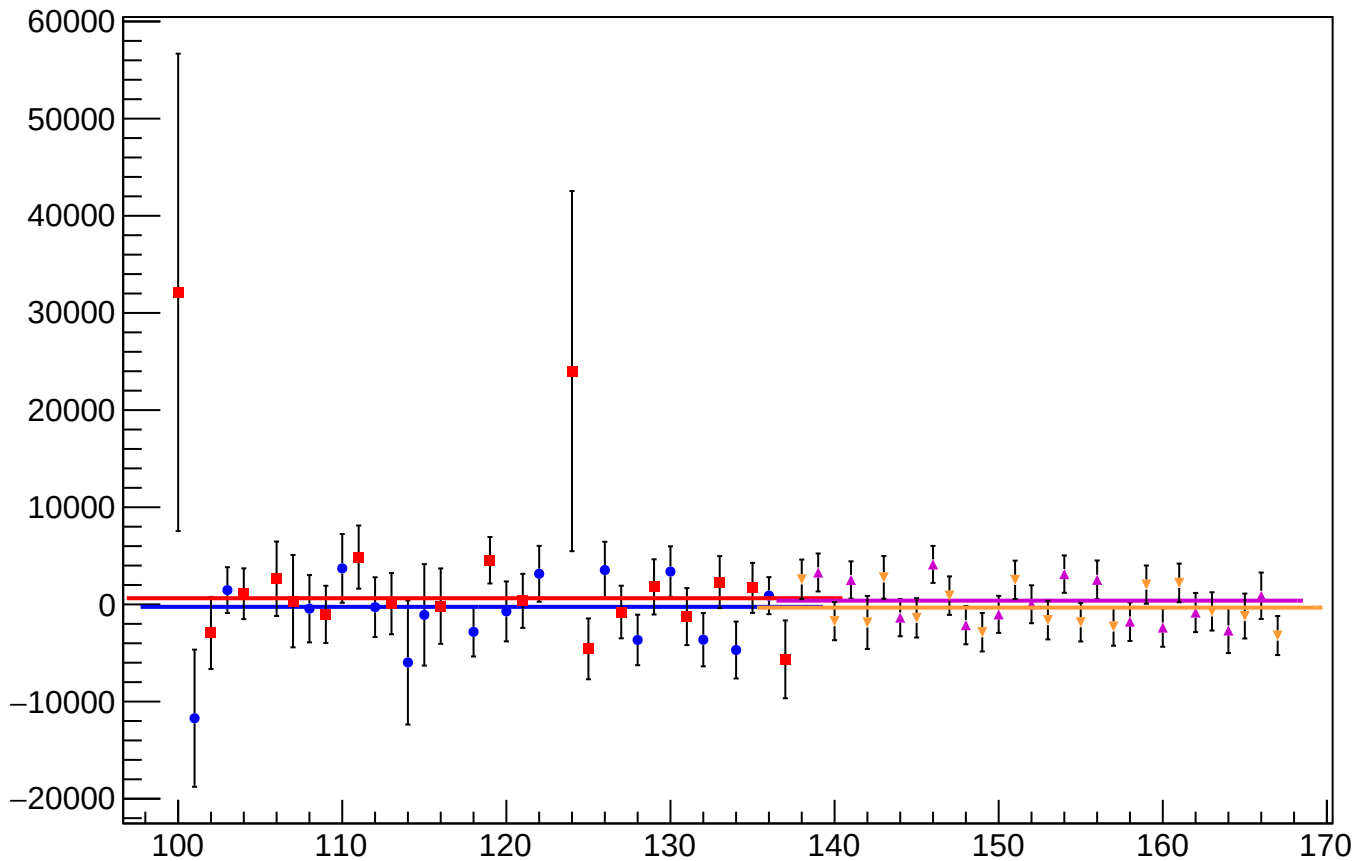
Left In: 0.000+/-0.000 χ^2/NDF : 1437696.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 5222912.1/31

All: 0.000+/-0.000 χ^2/NDF : 9687851.3/64

- sign 0.000+/-0.000 χ^2/NDF : 4451954.1/32

reg_asym_at1_dd_mean vs Slug



Right In: -251.297 $\pm$ 735.111 χ^2 /NDF: 17.3/15

Left Out: -329.948 $\pm$ 511.742 χ^2 /NDF:16.5/15

Right Out: 636.082 $\pm$ 735.477 χ^2 /NDF: 15.9/18

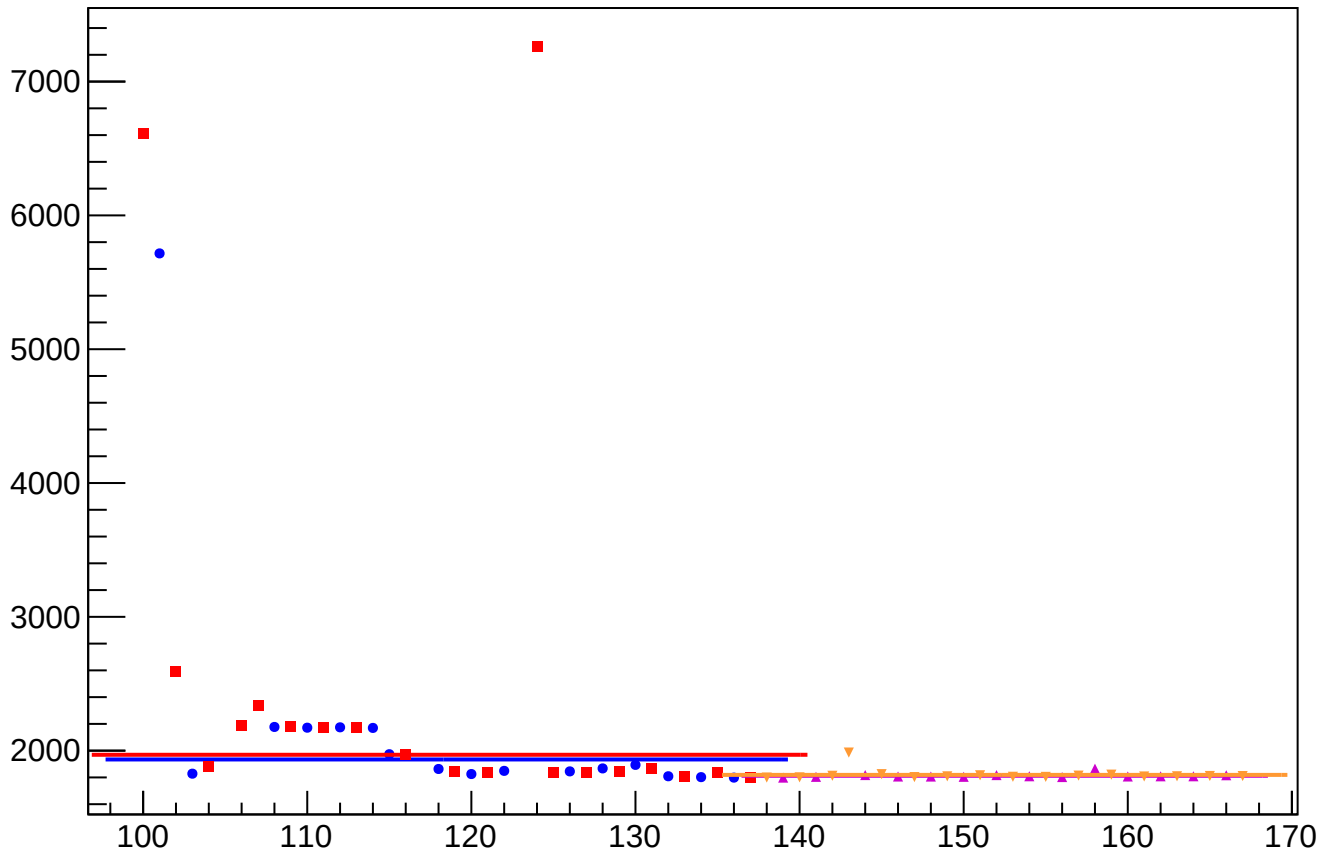
Left In: 385.583 $\pm$ 533.326 χ^2 /NDF:18.8/13

+ sign -304.274 $\pm$ 419.995 χ^2 /NDF: 33.8/31

All: 73.102 $\pm$ 301.054 χ^2 /NDF: 70.2/64

- sign 471.910 $\pm$ 431.757 χ^2 /NDF: 34.8/32

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217 ± 0.520 χ^2/NDF : 639920.0/15

Left Out: 1818.941 ± 0.362 χ^2/NDF : 12548.8/15

+ sign 1856.570 ± 0.297 χ^2/NDF : 685596.0/31

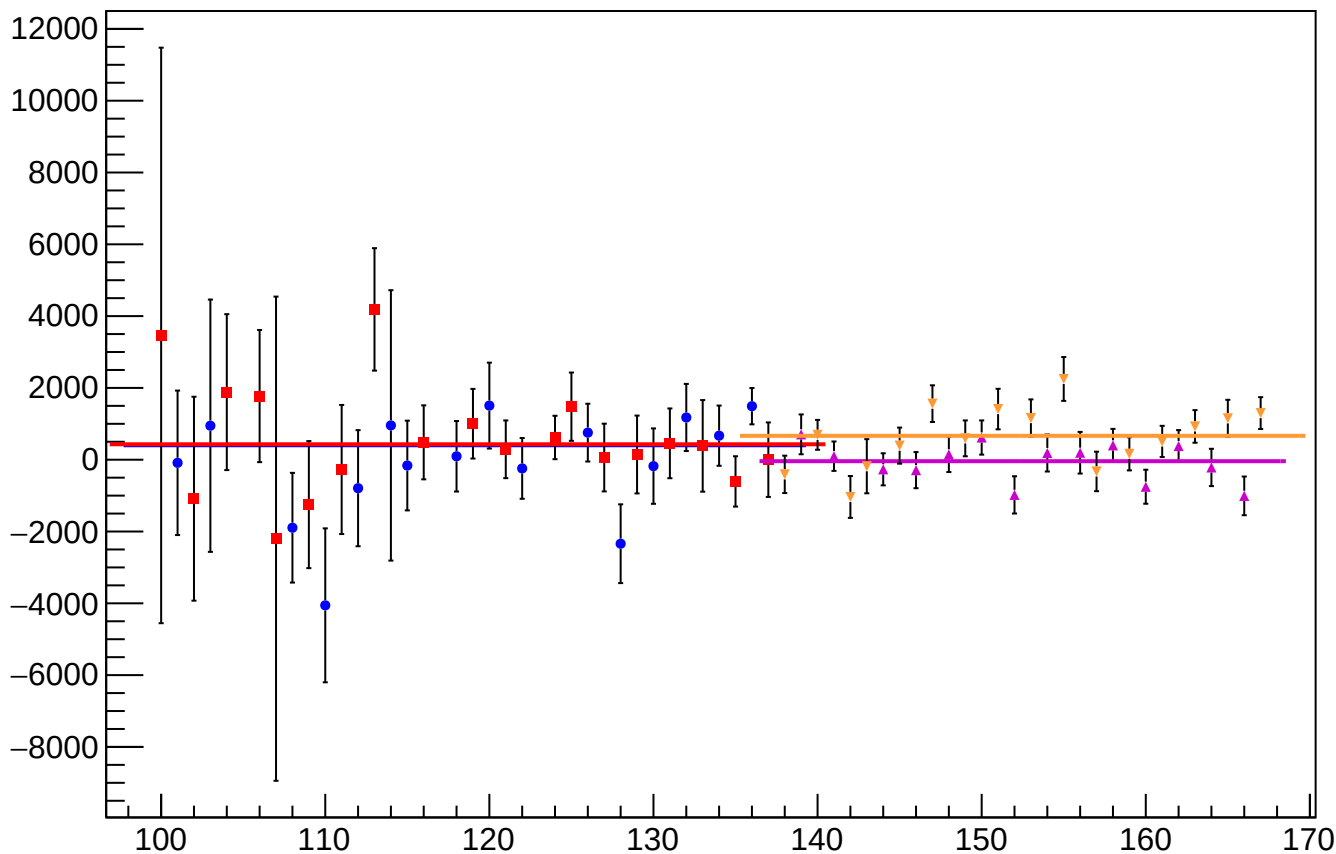
Right Out: 1969.204 ± 0.520 χ^2/NDF : 378378.8/18

All: 1861.342 ± 0.213 χ^2/NDF : 1125884.4/64

- sign 1866.385 ± 0.305 χ^2/NDF : 439757.4/32

Left In: 1812.319 ± 0.377 χ^2/NDF : 1736.9/13

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626 $\pm$ 258.574 χ^2 /NDF: 21.1/15

Left Out: 665.882 $\pm$ 126.535 χ^2 /NDF:34.6/15

Right Out: 430.066 $\pm$ 252.823 χ^2 /NDF: 11.7/18

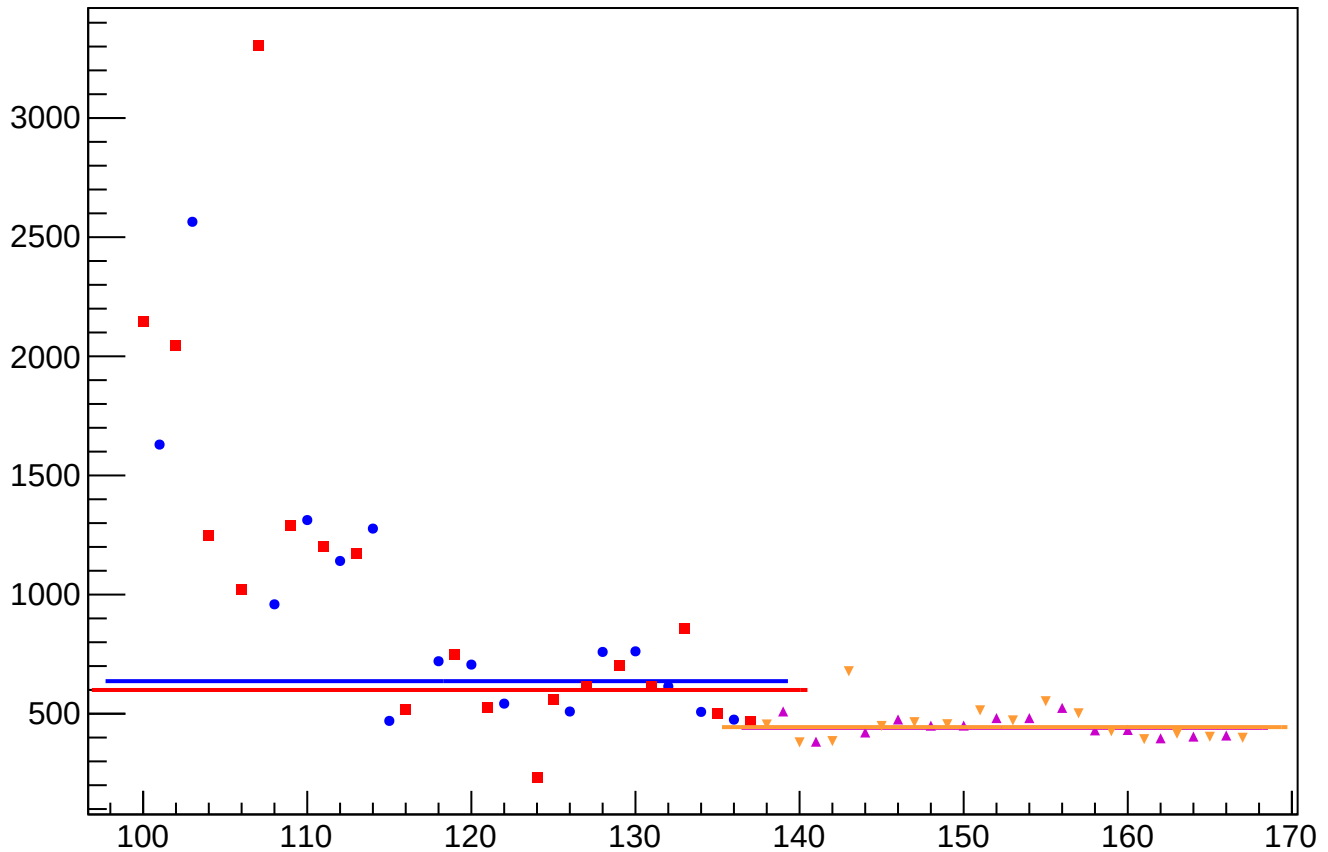
Left In: -40.960 $\pm$ 130.648 χ^2 /NDF:15.5/13

+ sign 615.020 $\pm$ 113.656 χ^2 /NDF: 56.6/31

All: 342.509 $\pm$ 81.206 χ^2 /NDF: 98.4/64

- sign 58.312 $\pm$ 116.067 χ^2 /NDF: 30.0/32

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700 +/- 0.183 χ^2/NDF : 2066891.4/15

Left Out: 443.786 +/- 0.089 χ^2/NDF : 459164.3/15

+ sign 481.057 +/- 0.080 χ^2/NDF : 3424212.0/31

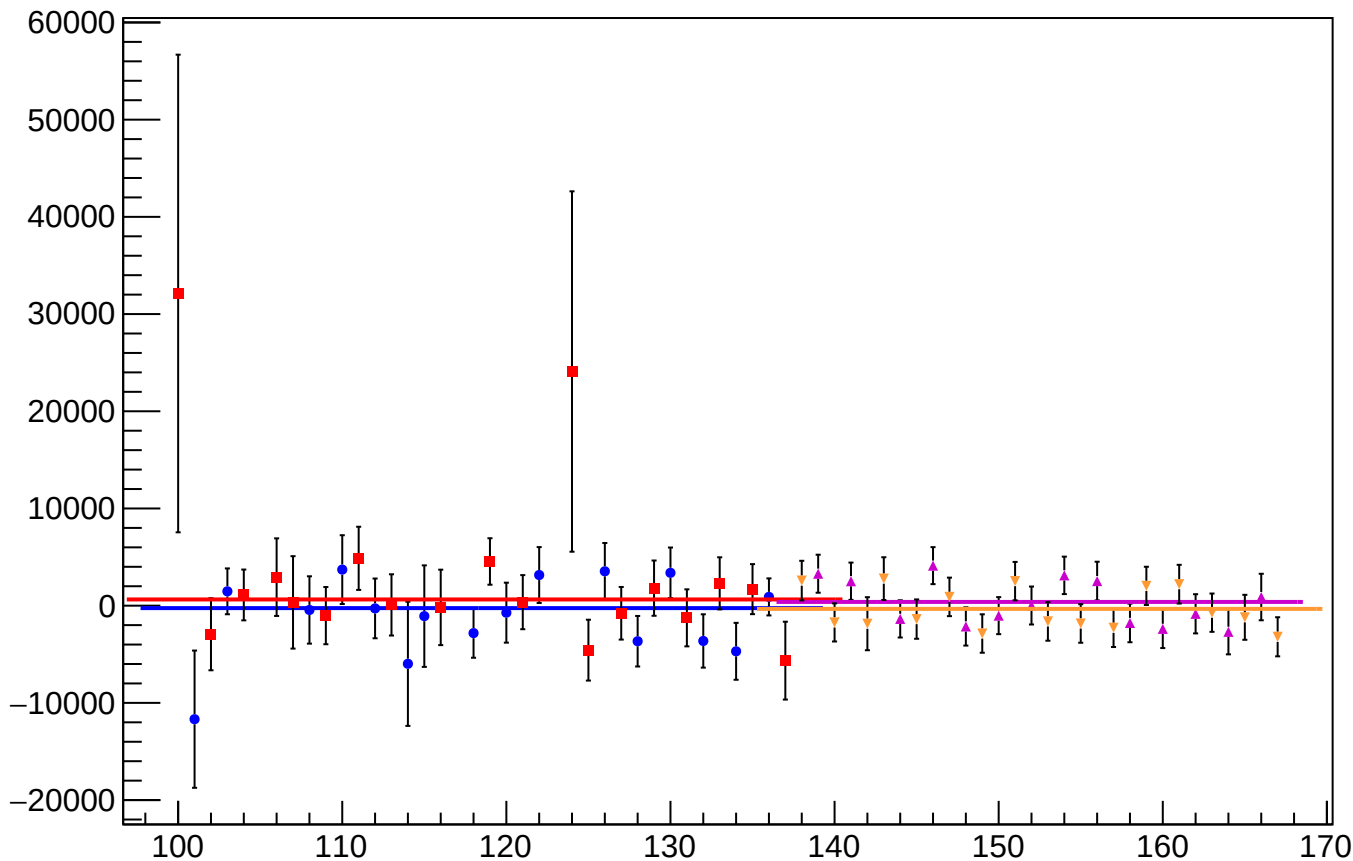
Right Out: 599.631 +/- 0.179 χ^2/NDF : 2944100.6/18

All: 477.701 +/- 0.057 χ^2/NDF : 7186700.7/64

- sign 474.201 +/- 0.082 χ^2/NDF : 3758926.3/32

Left In: 440.707 +/- 0.092 χ^2/NDF : 191110.9/13

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF : 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF : 16.5/15

Right Out: 640.865+/-736.549 χ^2/NDF : 16.0/18

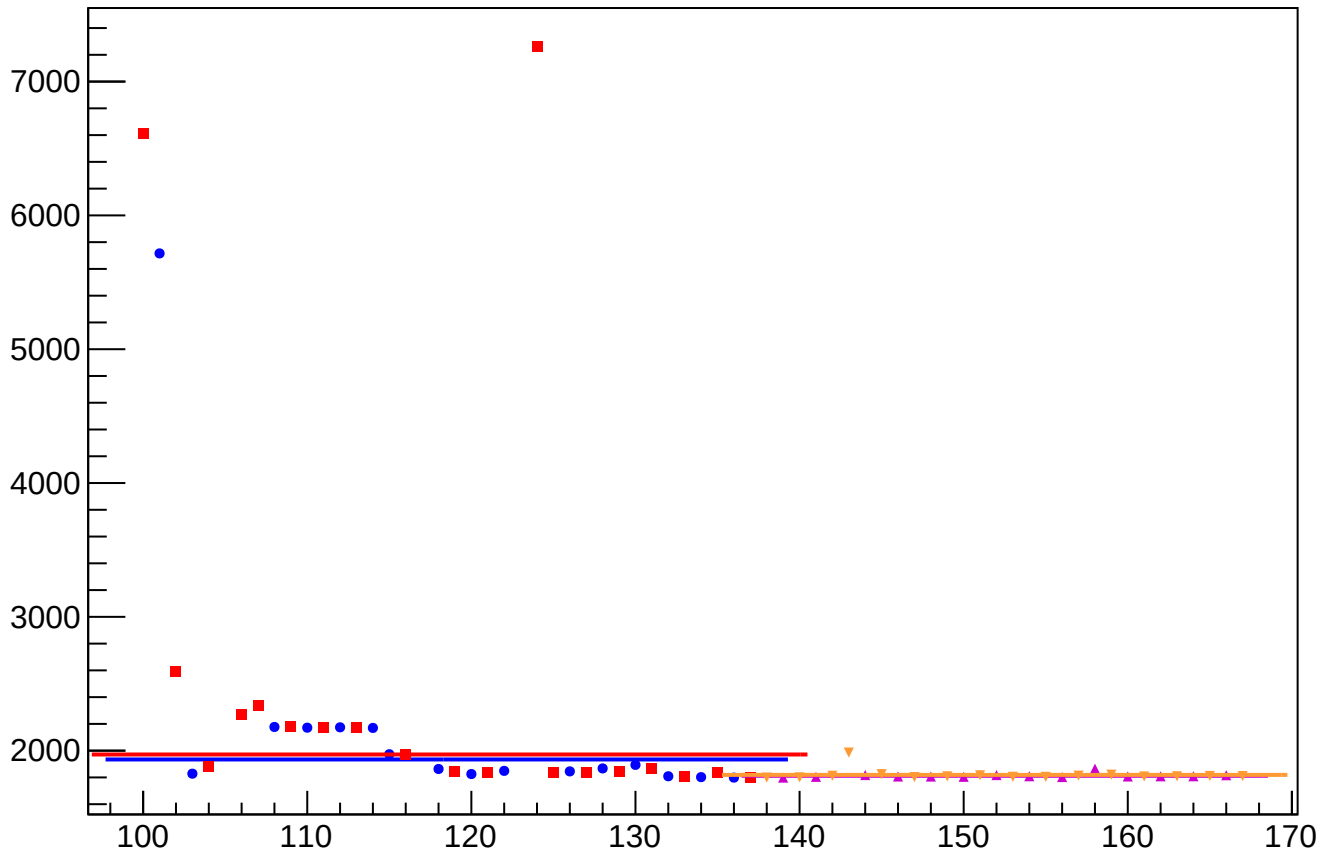
Left In: 385.553+/-533.326 χ^2/NDF : 18.8/13

+ sign -304.038+/-419.995 χ^2/NDF : 33.8/31

All: 73.739+/-301.127 χ^2/NDF : 70.3/64

- sign 473.371+/-431.973 χ^2/NDF : 34.9/32

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF : 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF : 12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF : 383176.6/18

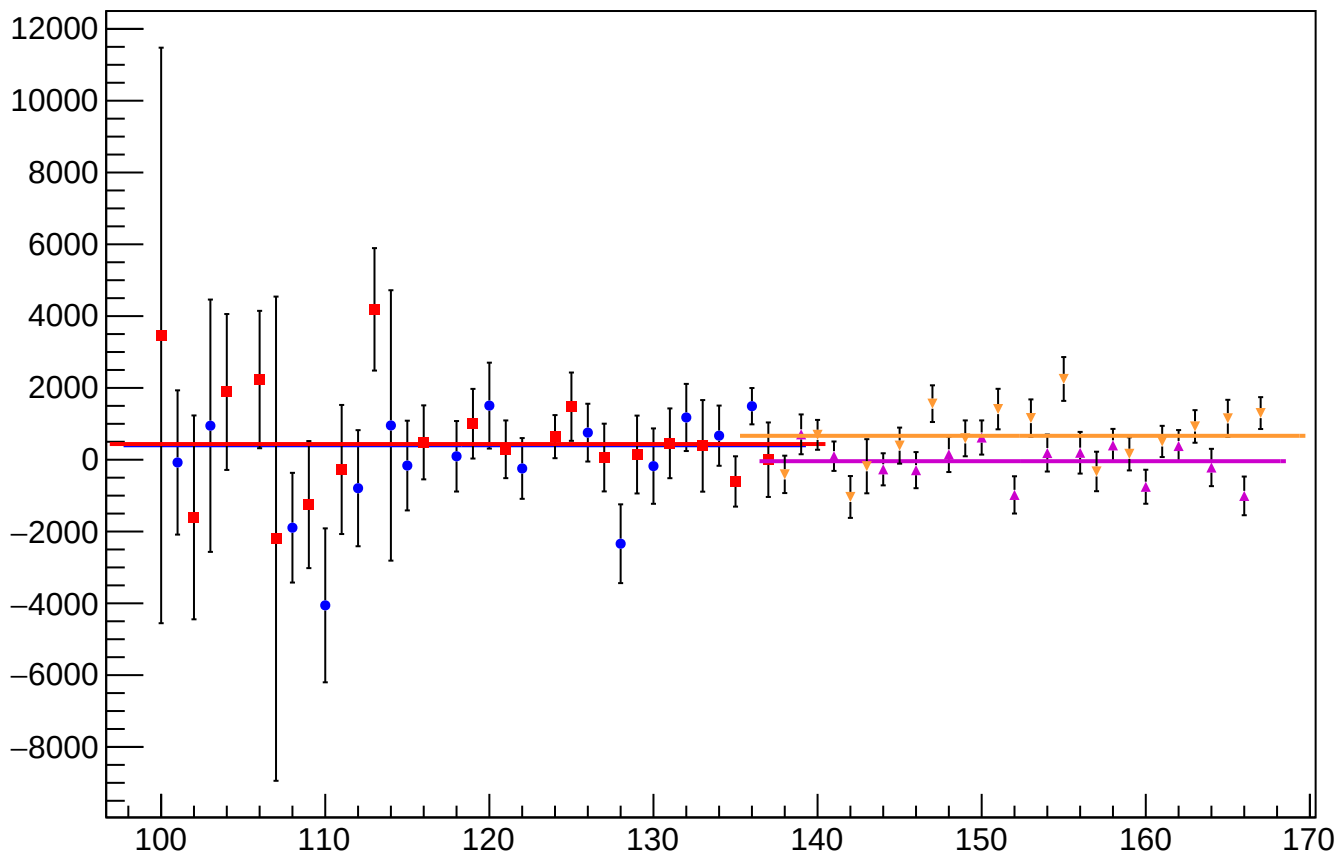
Left In: 1812.319+/-0.377 χ^2/NDF : 1736.9/13

+ sign 1856.570+/-0.297 χ^2/NDF : 685595.9/31

All: 1861.649+/-0.213 χ^2/NDF : 1132284.0/64

- sign 1867.022+/-0.305 χ^2/NDF : 446086.2/32

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF : 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF : 34.6/15

Right Out: 436.691+/-252.672 χ^2/NDF : 12.4/18

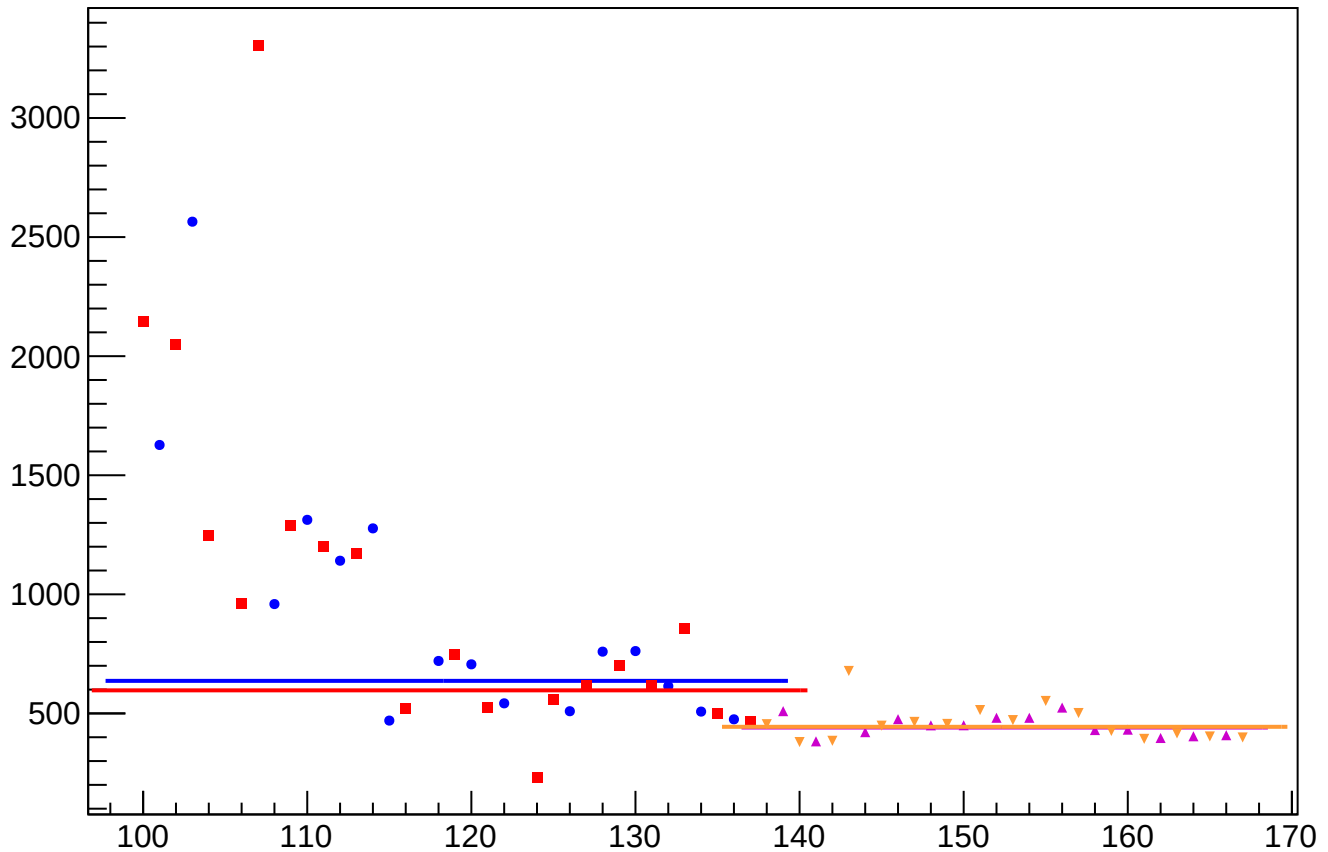
Left In: -40.995+/-130.647 χ^2/NDF : 15.6/13

+ sign 615.000+/-113.655 χ^2/NDF : 56.6/31

All: 343.179+/-81.201 χ^2/NDF : 99.0/64

- sign 59.775+/-116.052 χ^2/NDF : 30.7/32

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698 $\pm$ 0.183 χ^2 /NDF: 2066022.1/15

Left Out: 443.788 $\pm$ 0.089 χ^2 /NDF: 459116.9/15

Right Out: 596.862 $\pm$ 0.179 χ^2 /NDF: 2930443.7/18

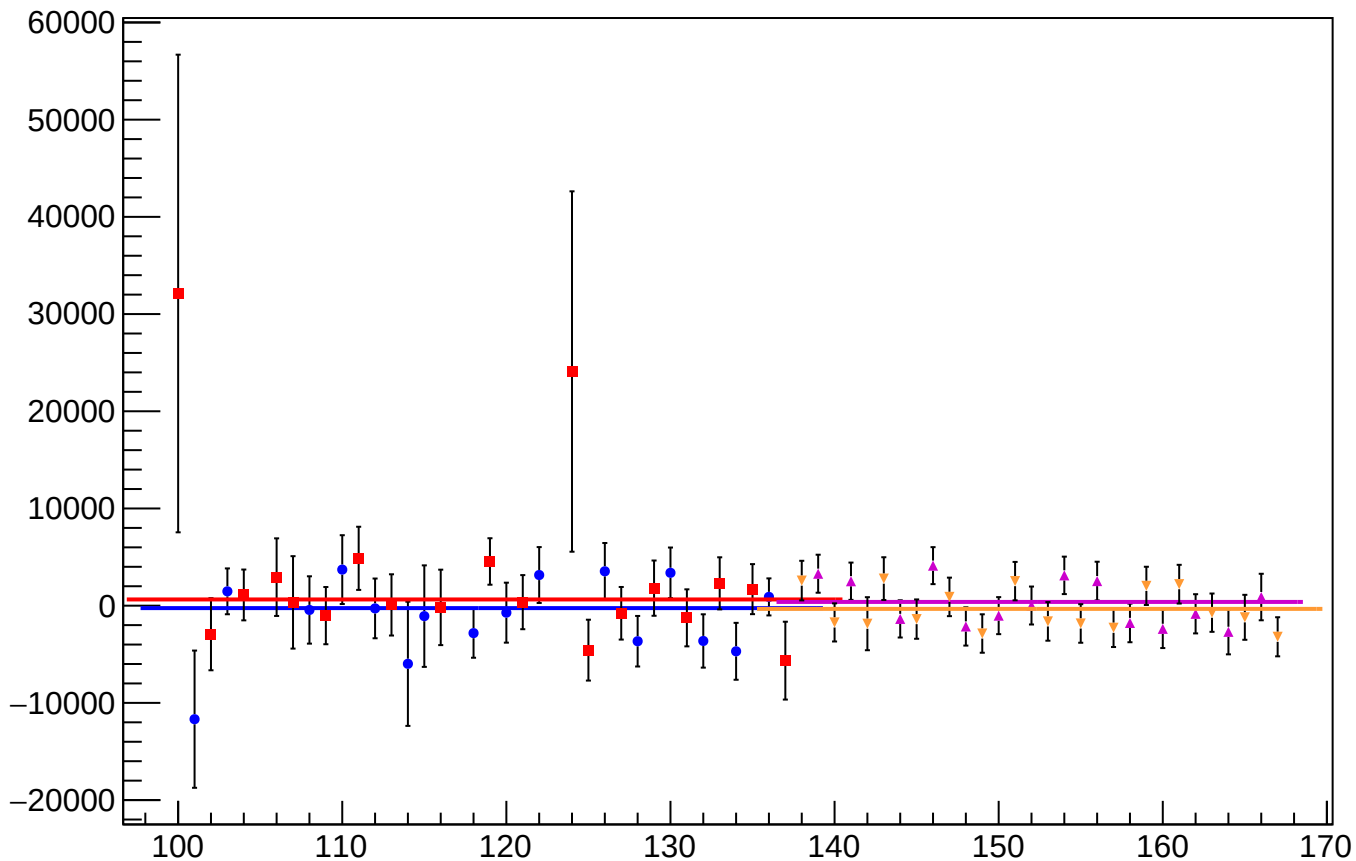
Left In: 440.704 $\pm$ 0.092 χ^2 /NDF: 191102.0/13

+ sign 481.062 $\pm$ 0.080 χ^2 /NDF: 3423314.7/31

All: 477.431 $\pm$ 0.057 χ^2 /NDF: 7151786.1/64

- sign 473.646 $\pm$ 0.082 χ^2 /NDF: 3724303.5/32

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487 ± 735.112 χ^2/NDF : 17.2/15

Left Out: -329.990 ± 511.742 χ^2/NDF : 16.5/15

Right Out: 640.865 ± 736.549 χ^2/NDF : 16.0/18

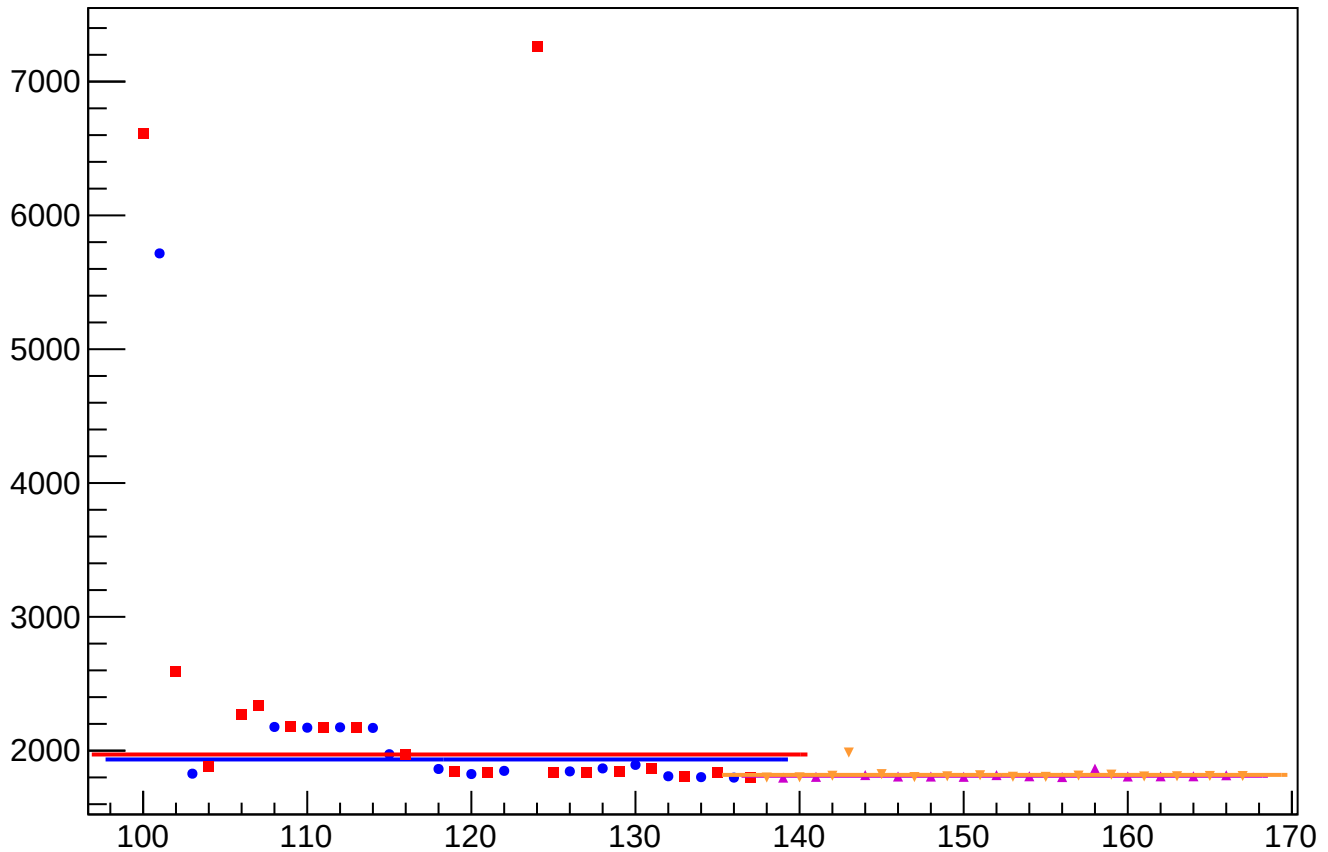
Left In: 385.553 ± 533.326 χ^2/NDF : 18.8/13

+ sign -304.038 ± 419.995 χ^2/NDF : 33.8/31

All: 73.739 ± 301.127 χ^2/NDF : 70.3/64

- sign 473.371 ± 431.973 χ^2/NDF : 34.9/32

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF : 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF : 12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF : 383176.6/18

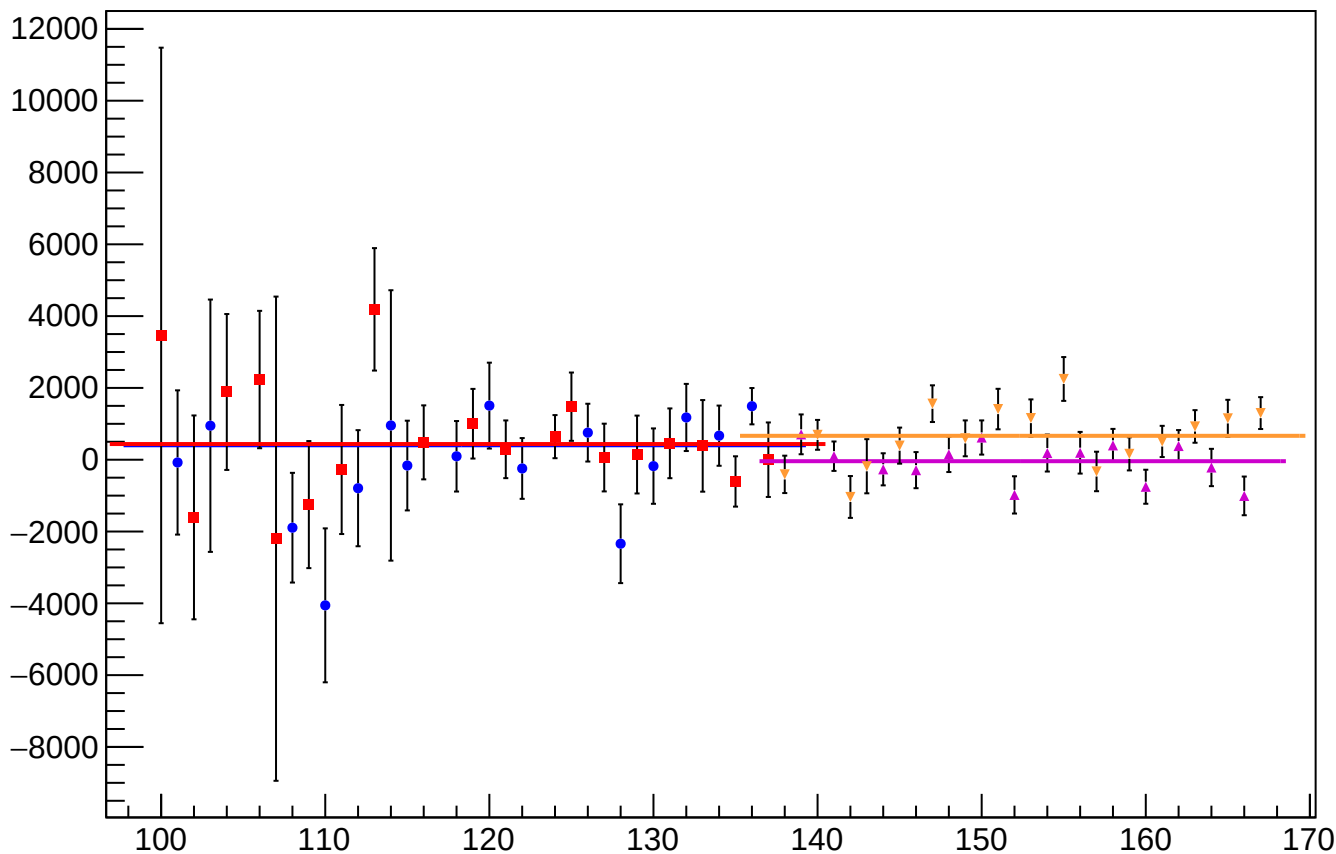
Left In: 1812.319+/-0.377 χ^2/NDF : 1736.9/13

+ sign 1856.570+/-0.297 χ^2/NDF : 685595.9/31

All: 1861.649+/-0.213 χ^2/NDF : 1132284.0/64

- sign 1867.022+/-0.305 χ^2/NDF : 446086.2/32

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701 $\pm$ 258.564 χ^2/NDF : 21.1/15

Left Out: 665.844 $\pm$ 126.535 χ^2/NDF : 34.6/15

Right Out: 436.691 $\pm$ 252.672 χ^2/NDF : 12.4/18

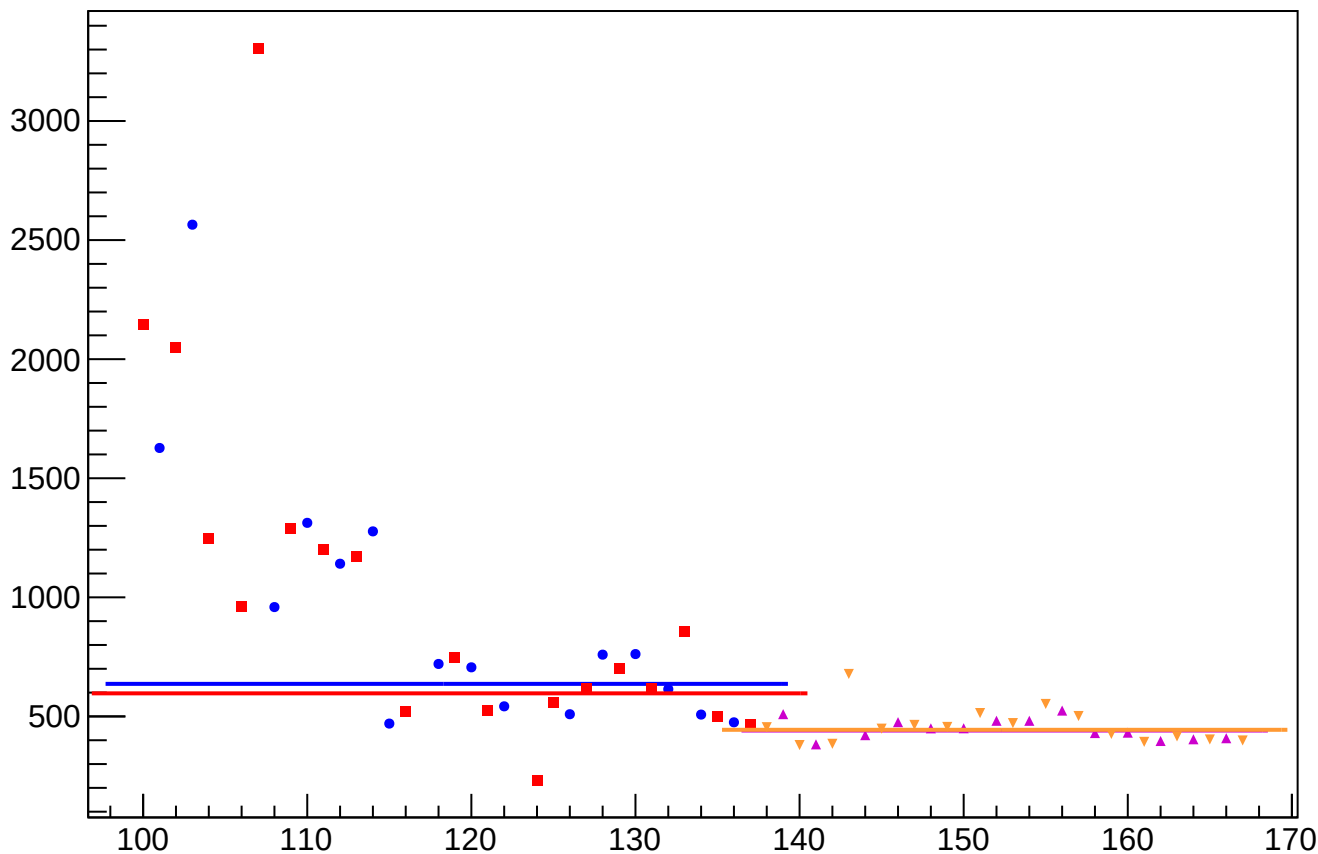
Left In: -40.995 $\pm$ 130.647 χ^2/NDF : 15.6/13

+ sign 615.000 $\pm$ 113.655 χ^2/NDF : 56.6/31

All: 343.179 $\pm$ 81.201 χ^2/NDF : 99.0/64

- sign 59.775 $\pm$ 116.052 χ^2/NDF : 30.7/32

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698 $\pm$ 0.183 χ^2 /NDF: 2066022.1/15

Left Out: 443.788 $\pm$ 0.089 χ^2 /NDF: 459116.9/15

Right Out: 596.862 $\pm$ 0.179 χ^2 /NDF: 2930443.7/18

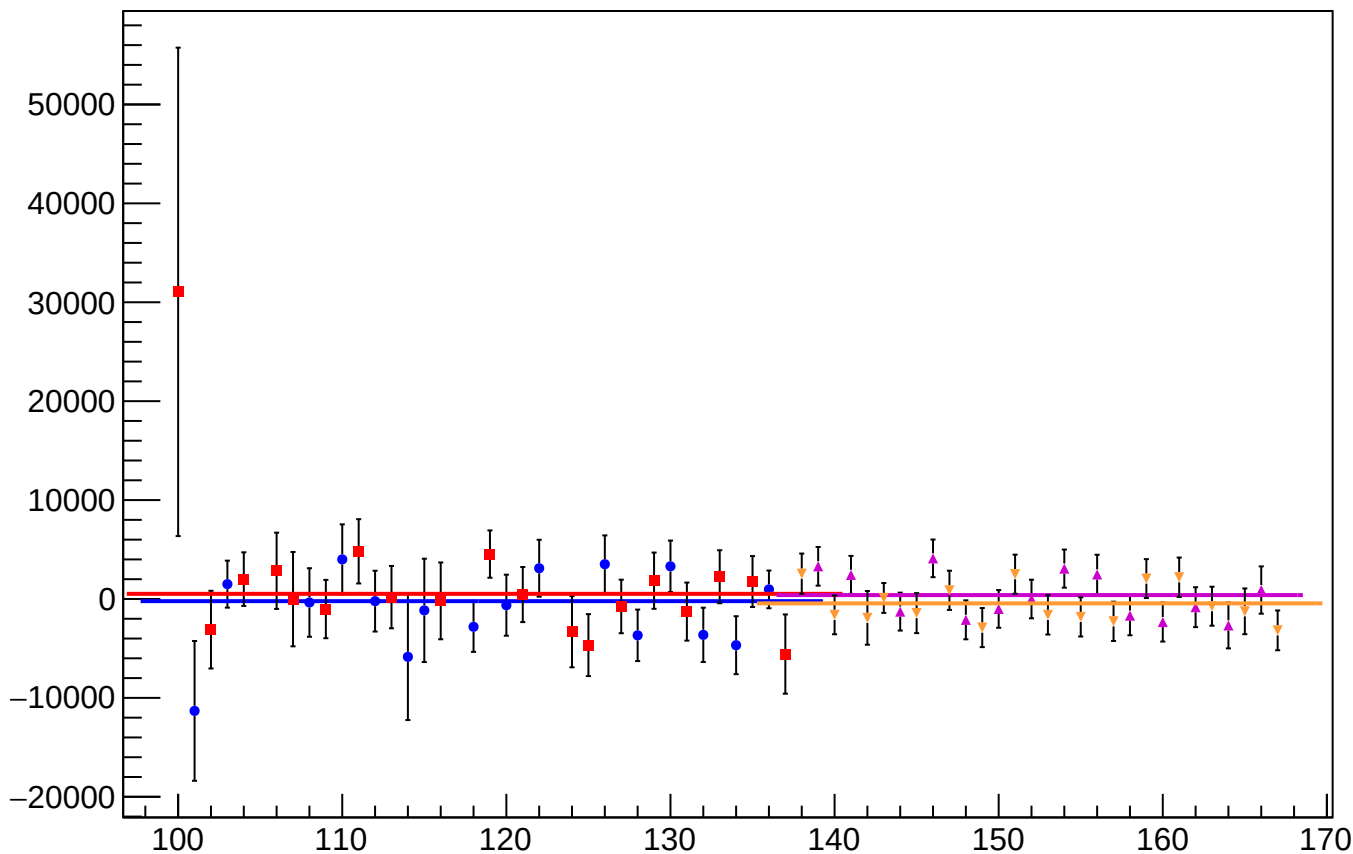
Left In: 440.704 $\pm$ 0.092 χ^2 /NDF: 191102.0/13

+ sign 481.062 $\pm$ 0.080 χ^2 /NDF: 3423314.7/31

All: 477.431 $\pm$ 0.057 χ^2 /NDF: 7151786.1/64

- sign 473.646 $\pm$ 0.082 χ^2 /NDF: 3724303.5/32

dit_asym_at1_dd_mean vs Slug



Right In: -220.393 ± 735.888 χ^2/NDF : 17.1/15

Left Out: -444.360 ± 496.961 χ^2/NDF : 14.4/15

Right Out: 520.265 ± 724.980 χ^2/NDF : 15.6/18

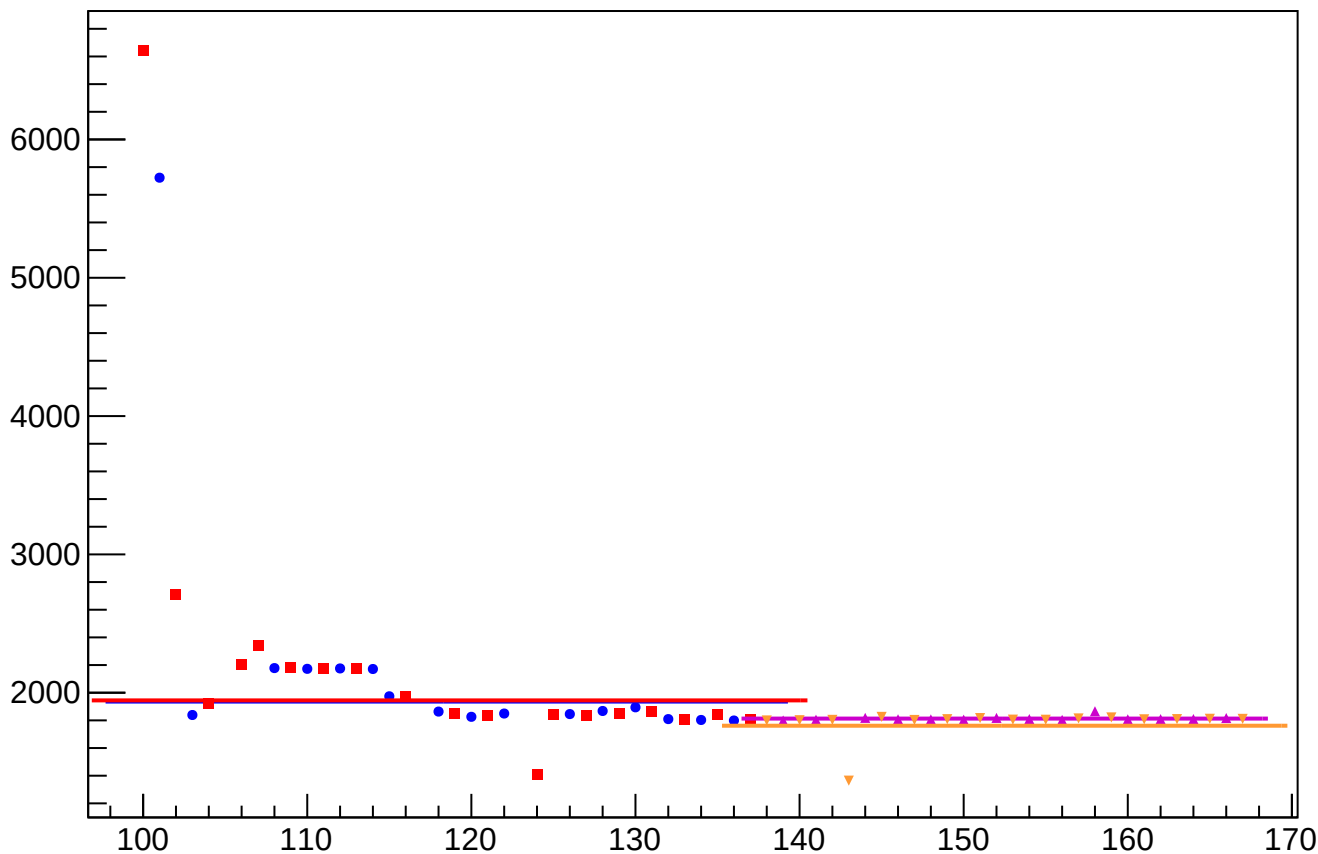
Left In: 393.289 ± 533.509 χ^2/NDF : 18.3/13

+ sign -374.210 ± 411.844 χ^2/NDF : 31.6/31

All: 14.620 ± 297.330 χ^2/NDF : 67.3/64

- sign 437.896 ± 429.699 χ^2/NDF : 33.9/32

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1761.360 $\pm$ 0.351 χ^2 /NDF:155524.1/15

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.6/18

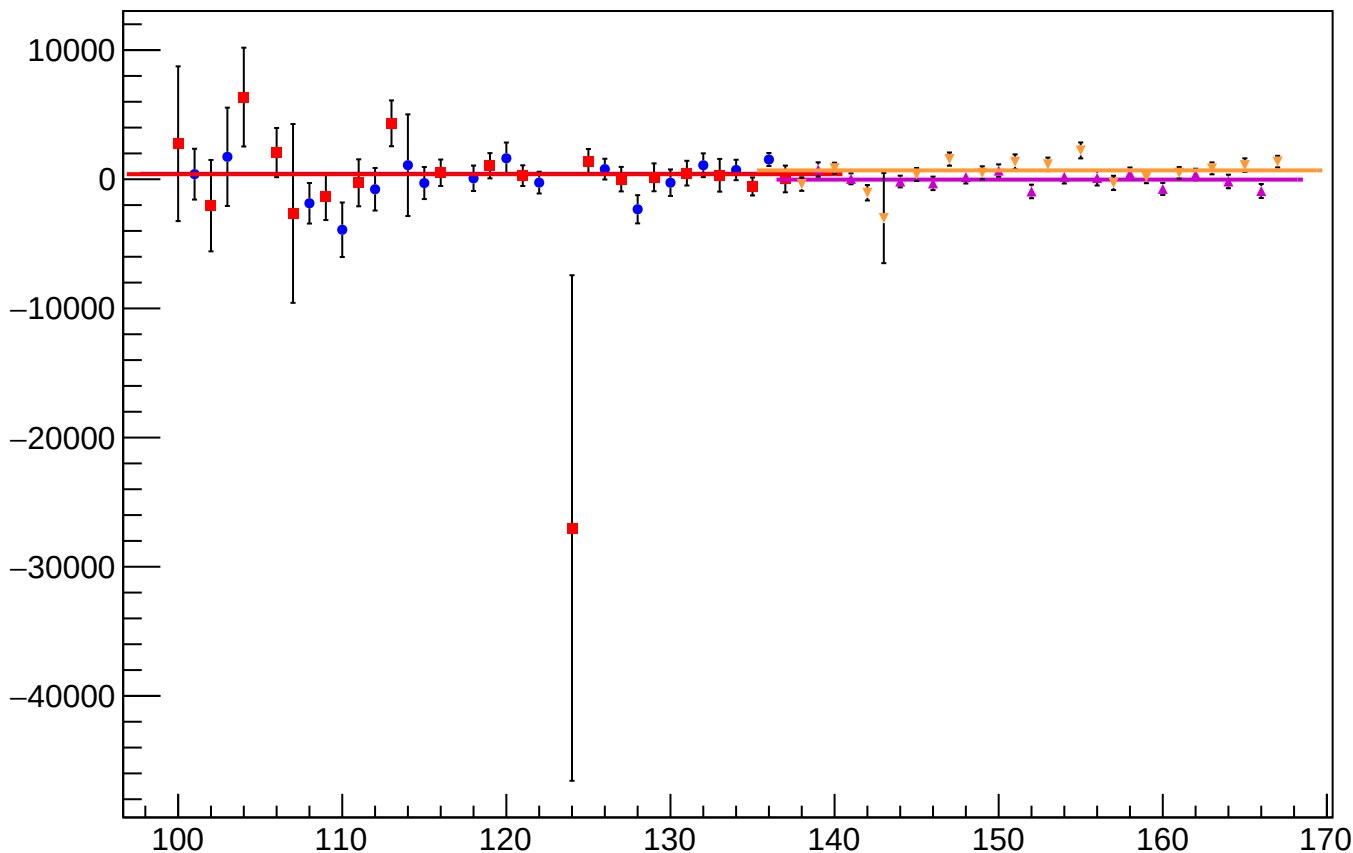
Left In: 1812.942 $\pm$ 0.377 χ^2 /NDF:1731.1/13

+ sign 1816.051 $\pm$ 0.291 χ^2 /NDF: 872669.4/31

All: 1836.690 $\pm$ 0.210 χ^2 /NDF: 1203833.1/64

- sign 1859.157 $\pm$ 0.304 χ^2 /NDF: 320673.7/32

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 687.149 $\pm$ 130.129 χ^2 /NDF:33.1/15

Right Out: 393.590 $\pm$ 279.562 χ^2 /NDF: 15.9/18

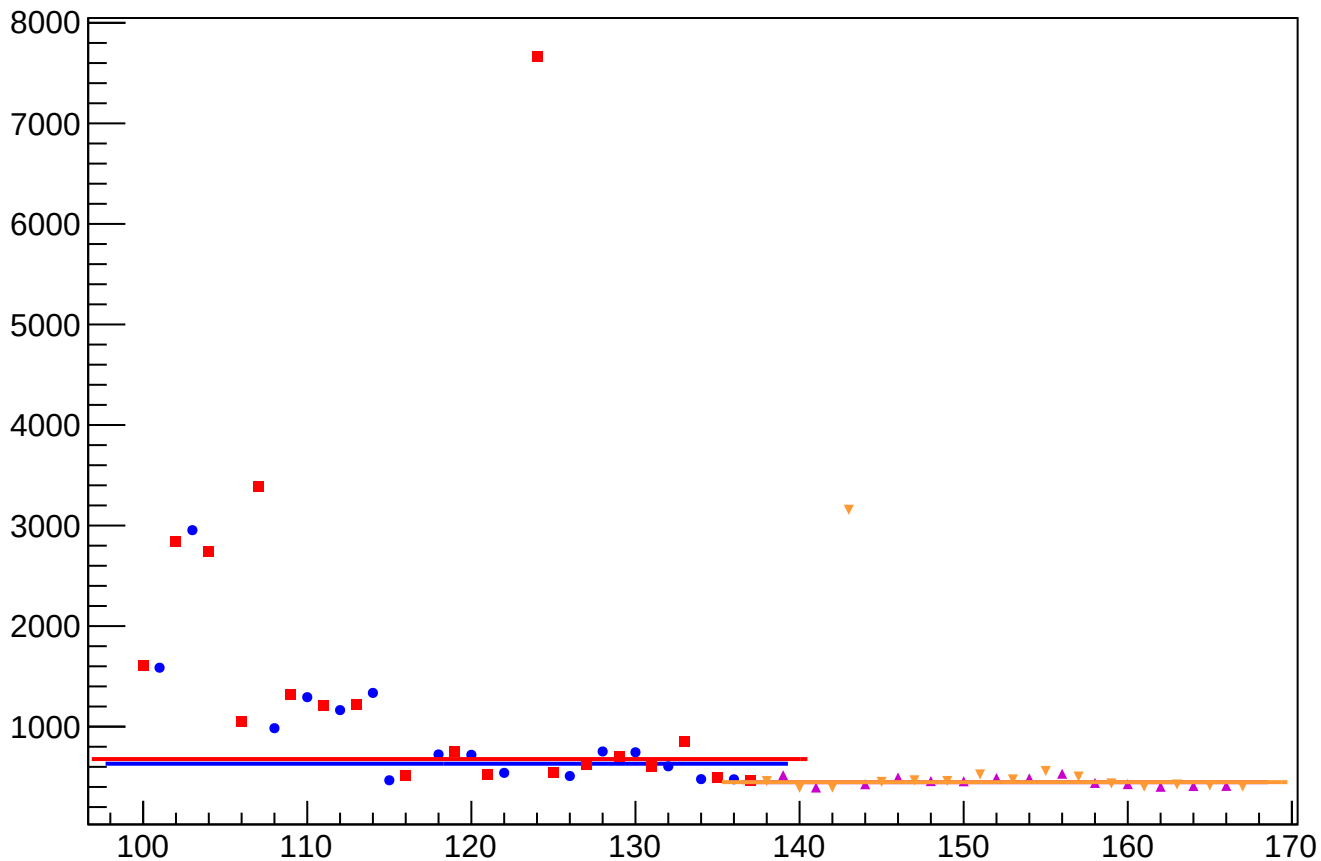
Left In: -27.281 $\pm$ 132.594 χ^2 /NDF:14.7/13

+ sign 632.783 $\pm$ 116.072 χ^2 /NDF: 55.5/31

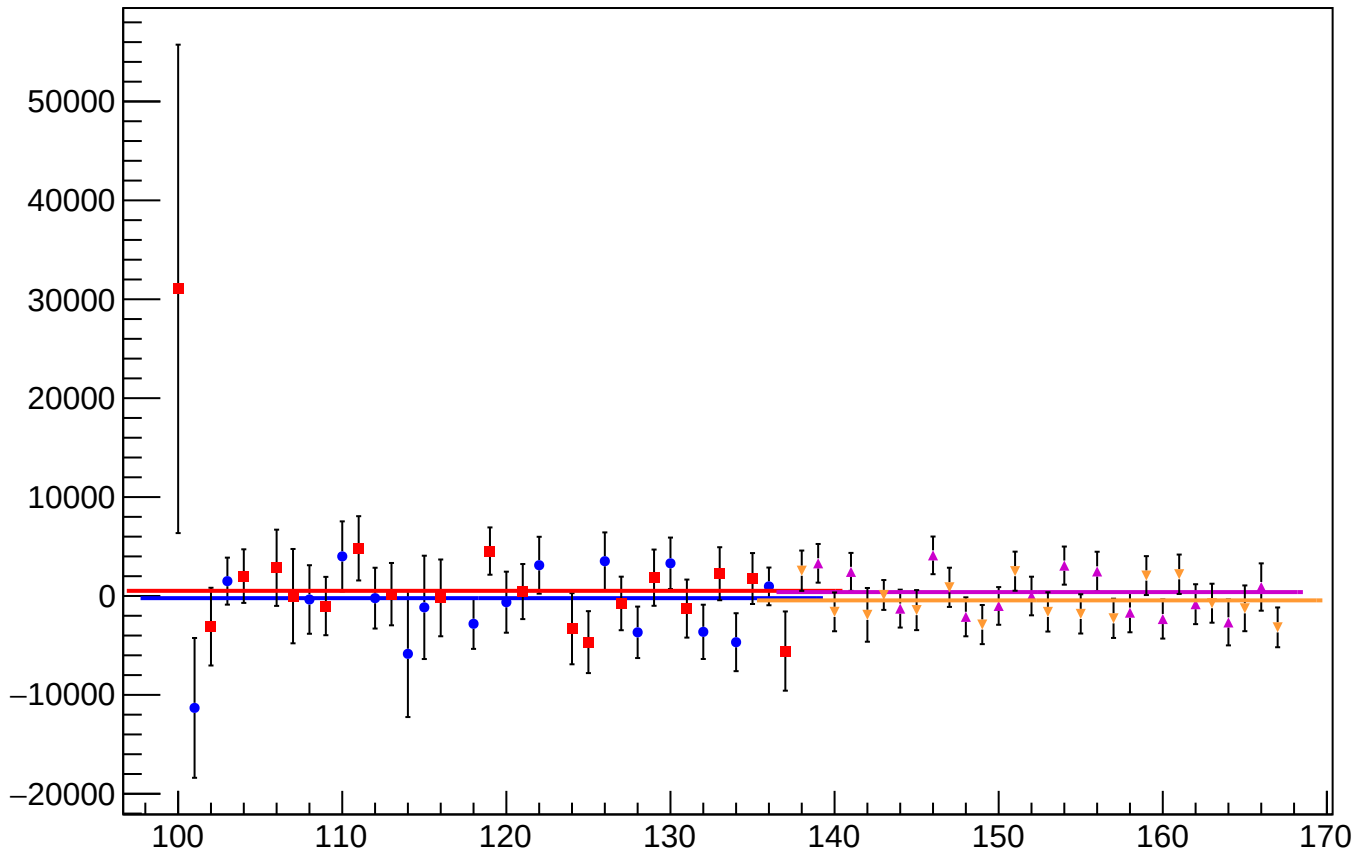
All: 350.608 $\pm$ 83.363 χ^2 /NDF: 100.1/64

- sign 50.008 $\pm$ 119.802 χ^2 /NDF: 32.4/32

asym_at1_dd_dit_correction_rms vs Slug



eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393 ± 735.888 χ^2/NDF : 17.1/15

Left Out: -444.361 ± 496.961 χ^2/NDF : 14.4/15

Right Out: 520.265 ± 724.980 χ^2/NDF : 15.6/18

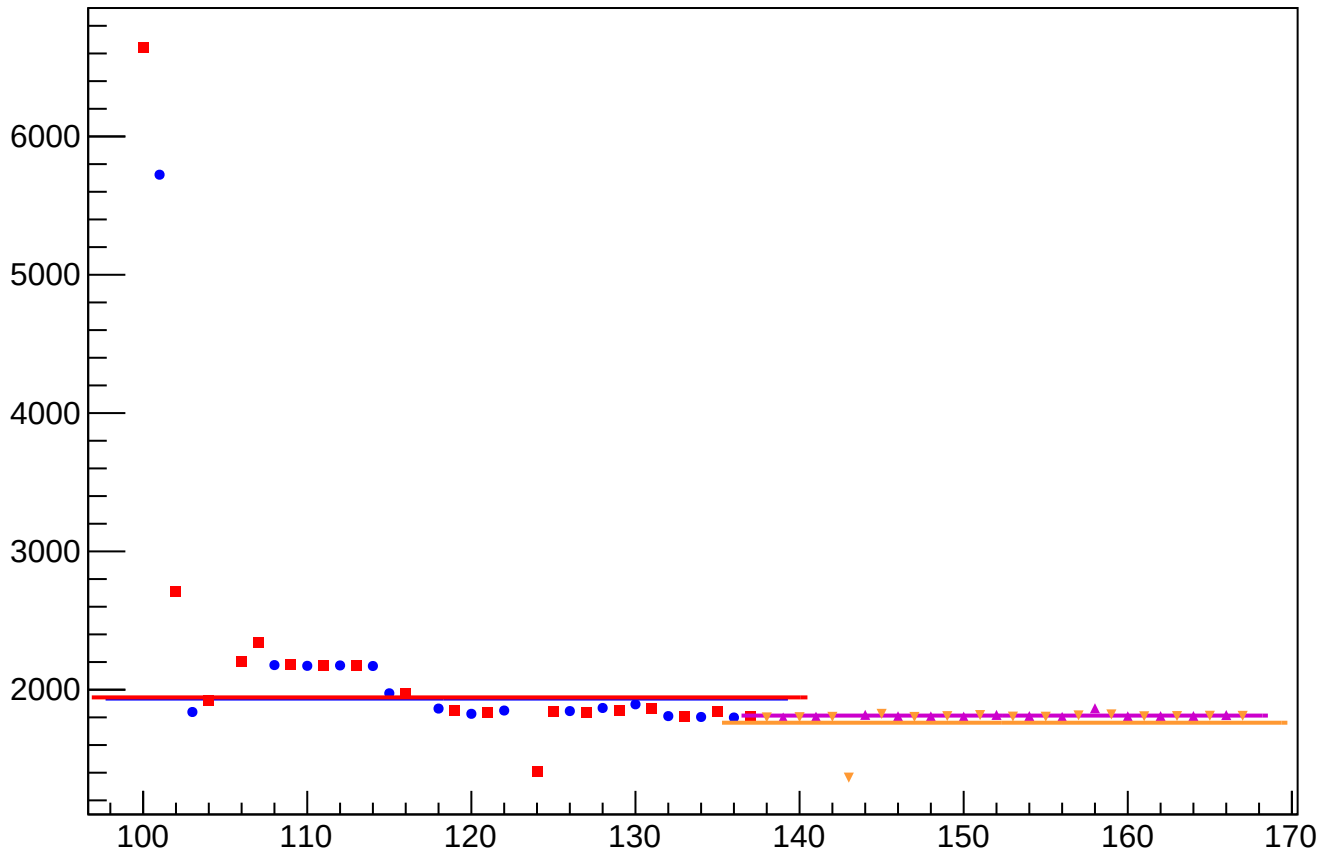
Left In: 393.289 ± 533.509 χ^2/NDF : 18.3/13

+ sign -374.211 ± 411.844 χ^2/NDF : 31.6/31

All: 14.620 ± 297.330 χ^2/NDF : 67.3/64

- sign 437.896 ± 429.699 χ^2/NDF : 33.9/32

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1761.360 $\pm$ 0.351 χ^2 /NDF: 155524.1/15

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.5/18

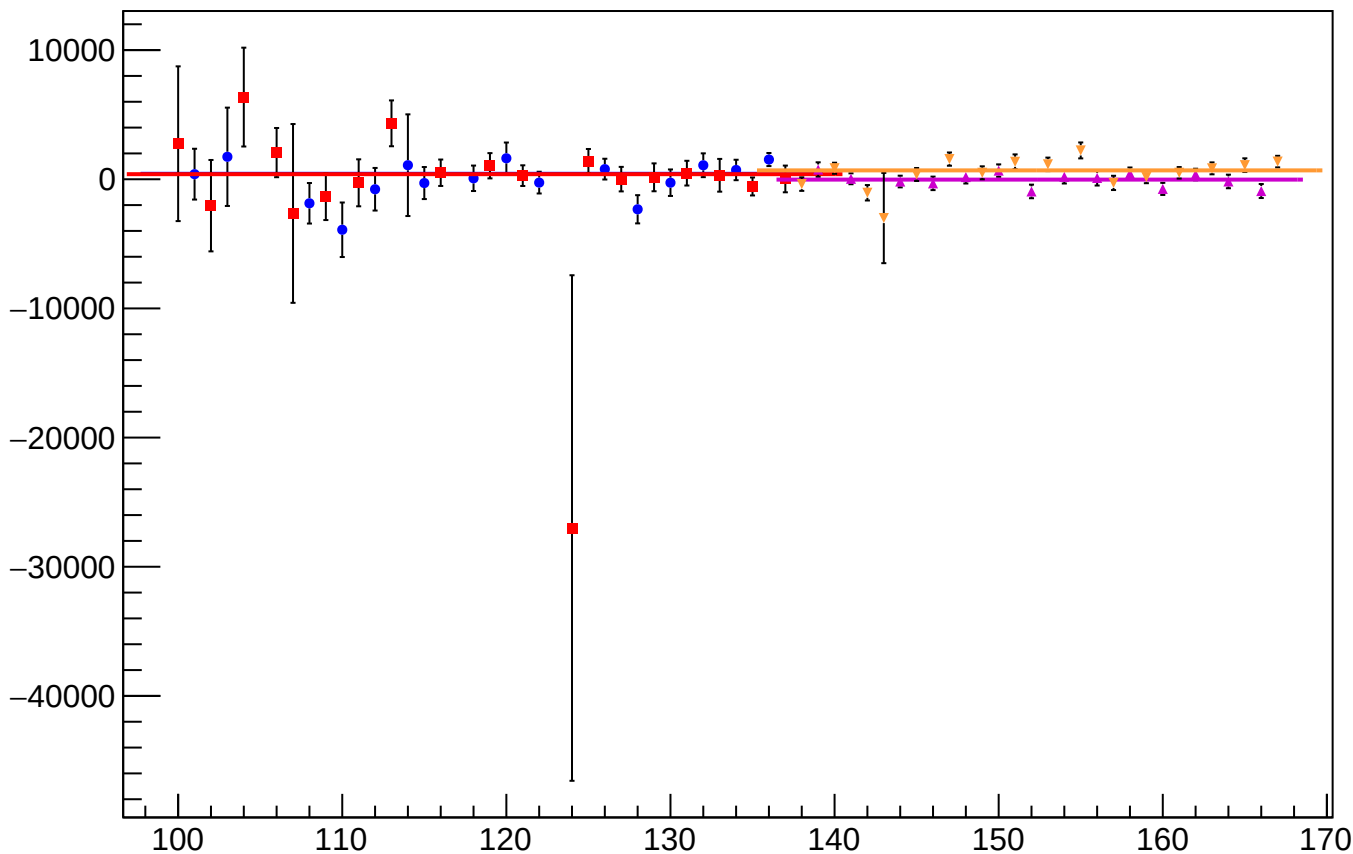
Left In: 1812.942 $\pm$ 0.377 χ^2 /NDF: 1731.1/13

+ sign 1816.051 $\pm$ 0.291 χ^2 /NDF: 872669.4/31

All: 1836.690 $\pm$ 0.210 χ^2 /NDF: 1203832.8/64

- sign 1859.157 $\pm$ 0.304 χ^2 /NDF: 320673.5/32

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 687.148 $\pm$ 130.129 χ^2 /NDF:33.1/15

Right Out: 393.591 $\pm$ 279.562 χ^2 /NDF: 15.9/18

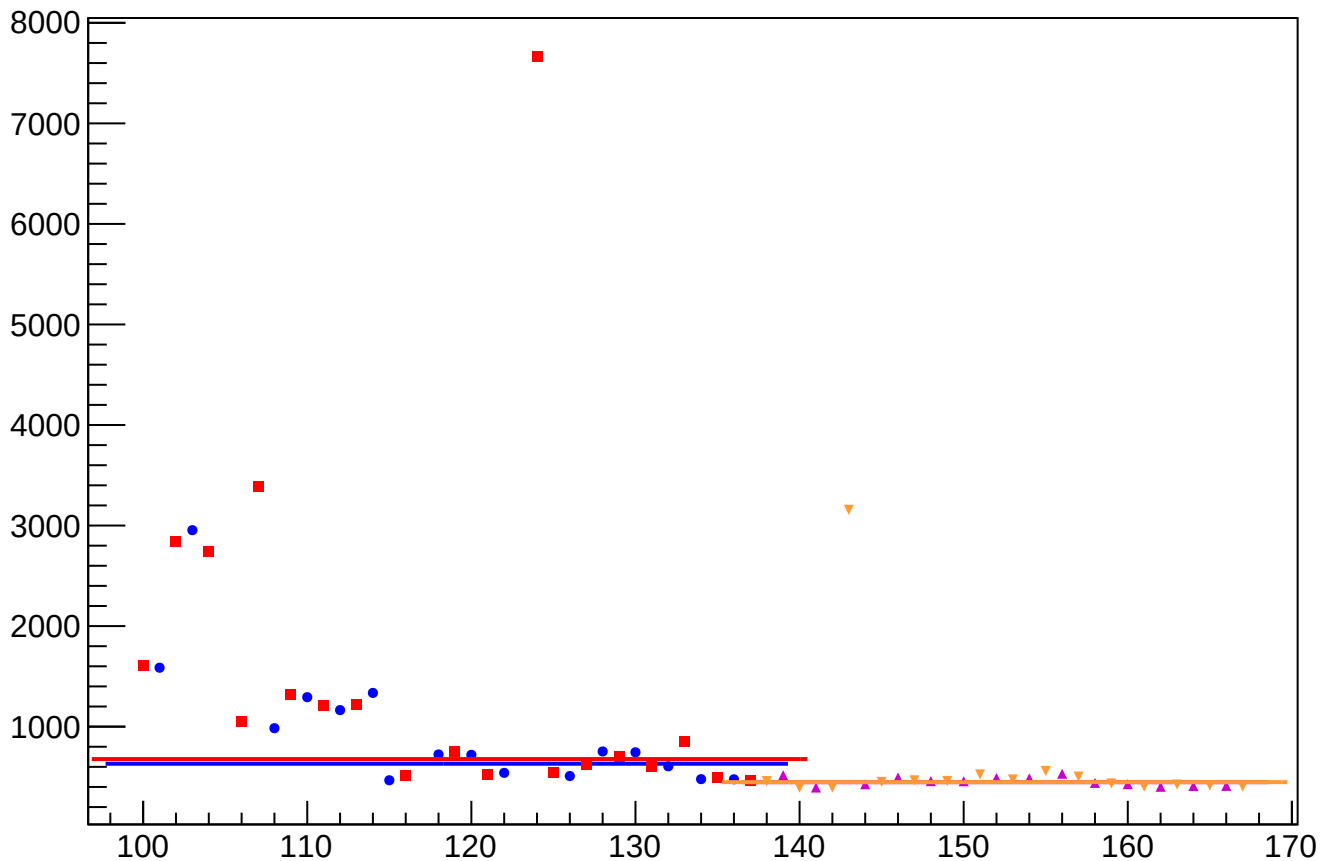
Left In: -27.283 $\pm$ 132.594 χ^2 /NDF:14.7/13

+ sign 632.782 $\pm$ 116.072 χ^2 /NDF: 55.5/31

All: 350.607 $\pm$ 83.363 χ^2 /NDF: 100.1/64

- sign 50.007 $\pm$ 119.802 χ^2 /NDF: 32.4/32

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF : 2234479.1/15

Left Out: 447.806+/-0.092 χ^2/NDF : 1436512.9/15

Right Out: 677.437+/-0.198 χ^2/NDF : 3081570.5/18

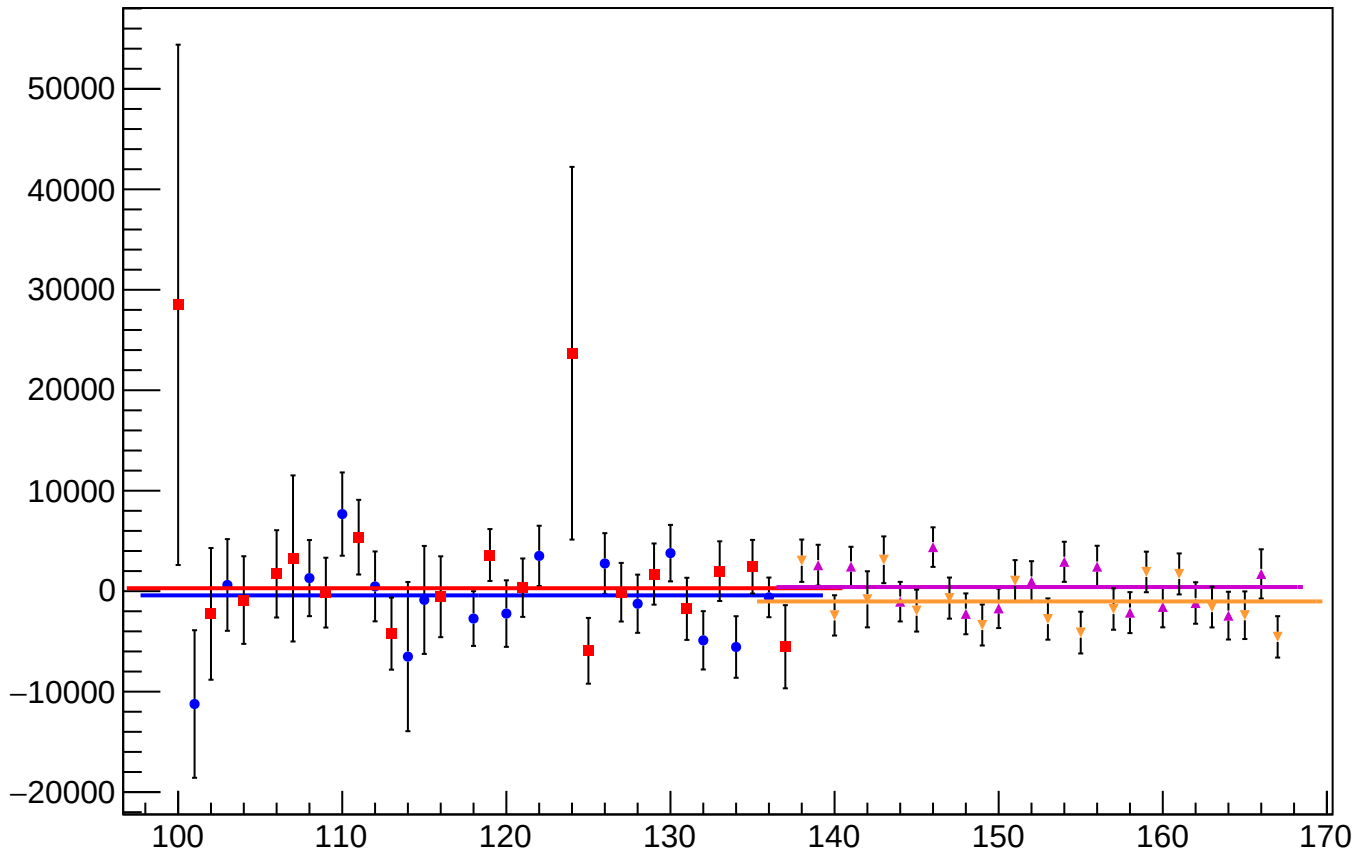
Left In: 447.698+/-0.094 χ^2/NDF : 191302.5/13

+ sign 485.276+/-0.082 χ^2/NDF : 4482327.6/31

All: 487.509+/-0.059 χ^2/NDF : 8859350.9/64

- sign 489.887+/-0.085 χ^2/NDF : 4375494.7/32

asym_at1_dd_mean vs Slug



Right In: -417.662 ± 815.370 χ^2/NDF : 18.3/15

Left Out: -1020.386 ± 528.695 χ^2/NDF : 20.2/15

Right Out: 294.527 ± 831.610 χ^2/NDF : 15.6/18

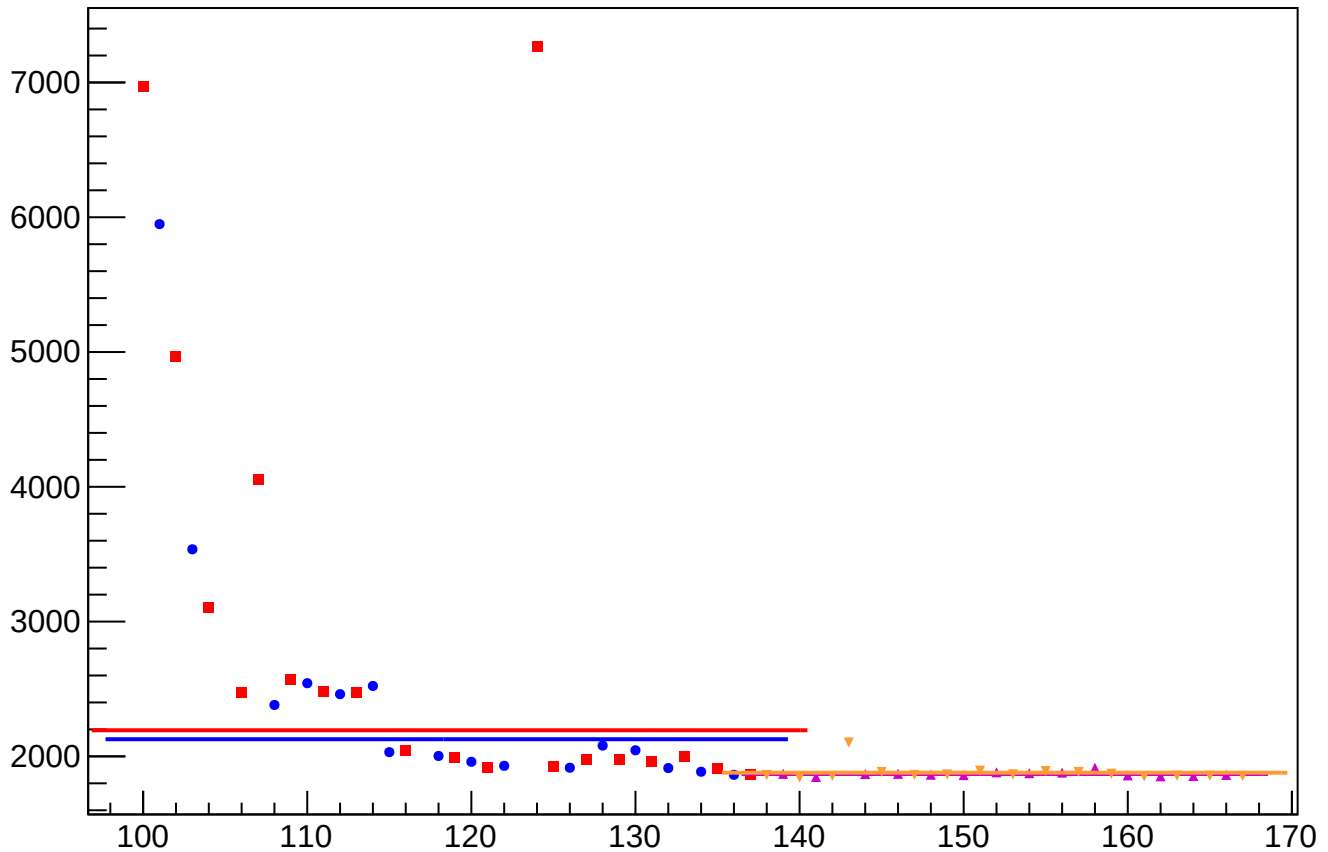
Left In: 412.572 ± 550.017 χ^2/NDF : 17.2/13

+ sign -841.985 ± 443.603 χ^2/NDF : 39.0/31

All: -253.127 ± 318.897 χ^2/NDF : 75.4/64

- sign 376.649 ± 458.756 χ^2/NDF : 32.8/32

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF : 875078.1/15

Left Out: 1878.860+/-0.374 χ^2/NDF : 21050.5/15

Right Out: 2193.560+/-0.588 χ^2/NDF : 942581.2/18

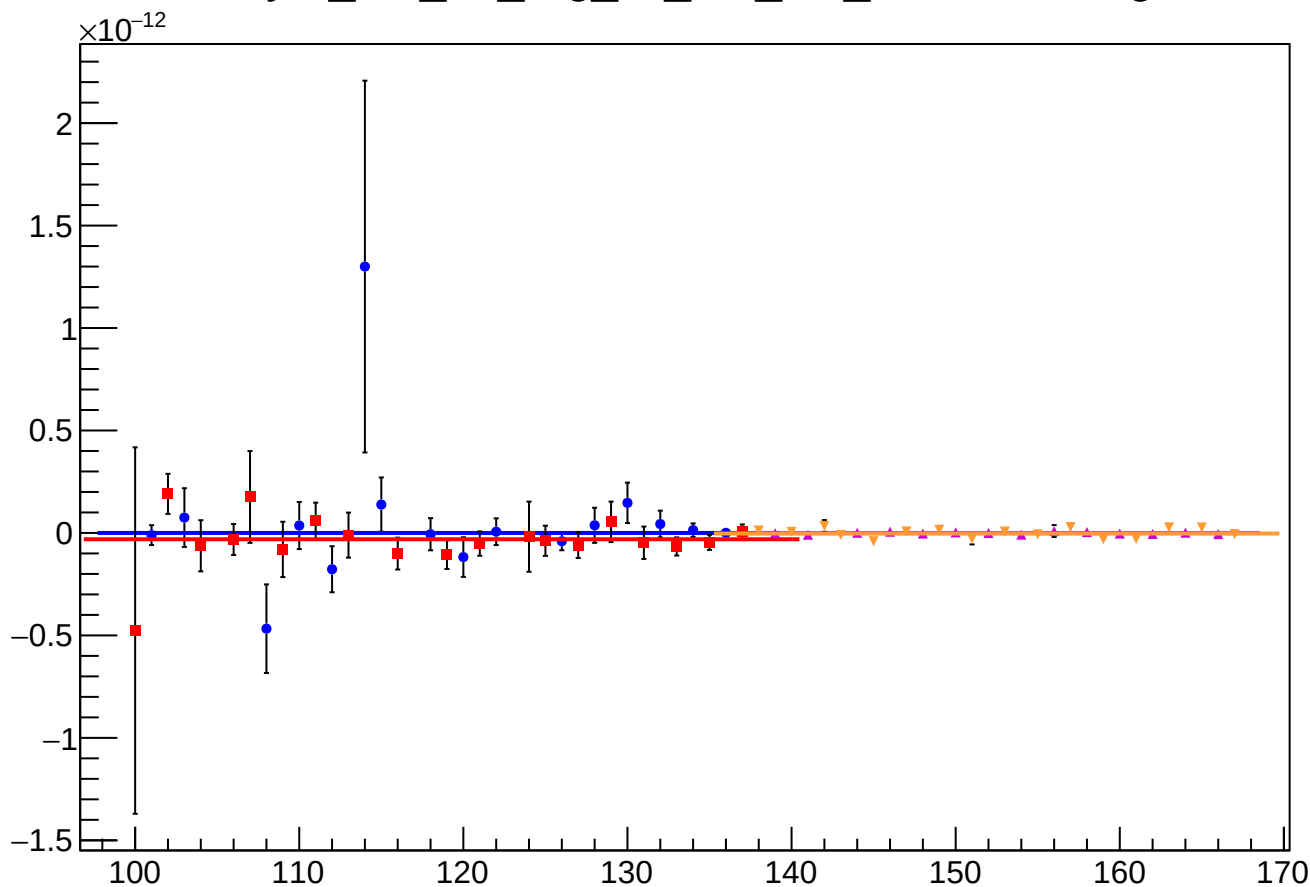
Left In: 1869.021+/-0.389 χ^2/NDF : 1743.3/13

+ sign 1952.319+/-0.314 χ^2/NDF : 1026576.8/31

All: 1959.792+/-0.225 χ^2/NDF : 2183979.1/64

- sign 1967.784+/-0.324 χ^2/NDF : 1156227.8/32

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 : 27.7/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.4/18

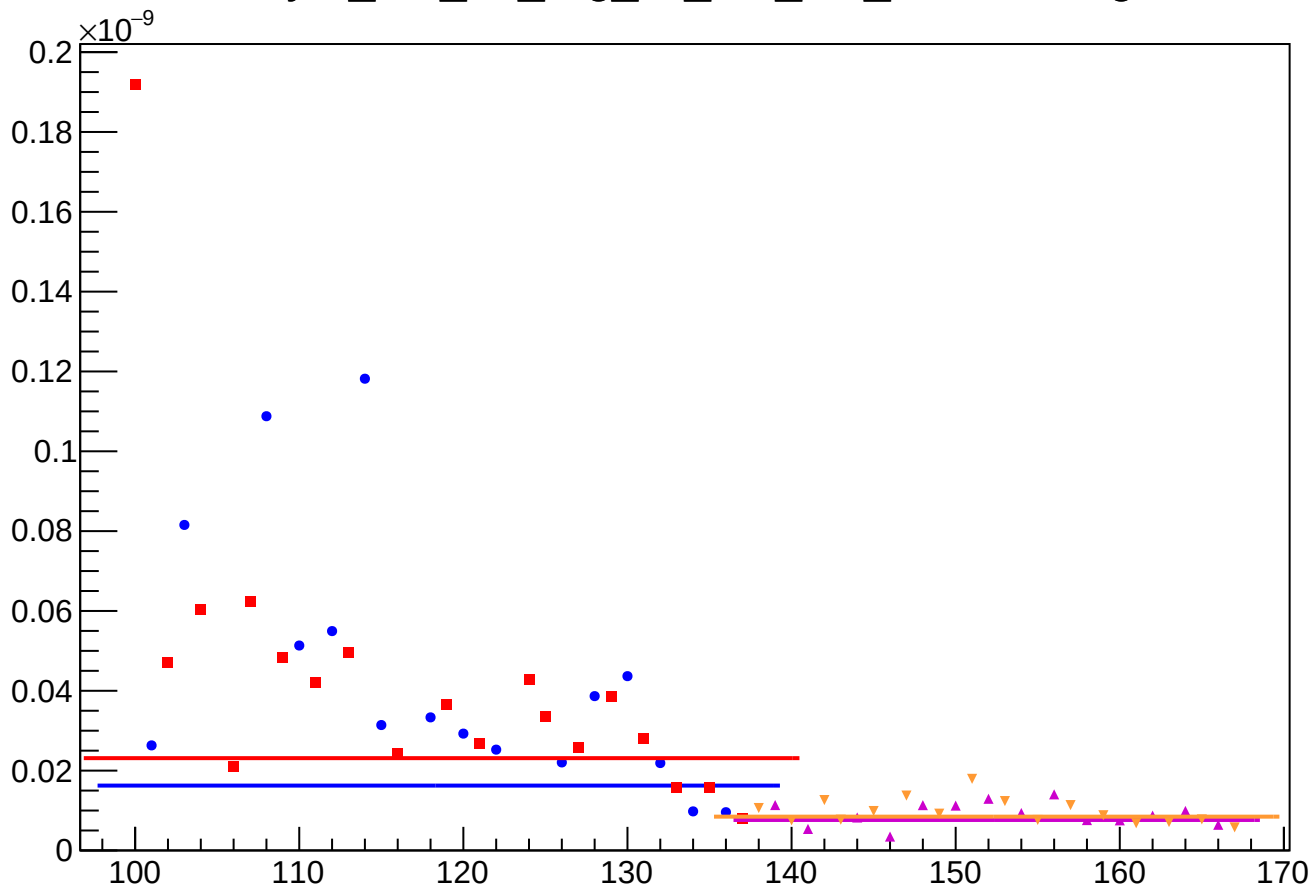
Left In: -0.000 ± 0.000 χ^2/NDF : 1.6/13

+ sign -0.000 ± 0.000 χ^2/NDF : 43.8/31

All: -0.000 ± 0.000 χ^2/NDF : 61.2/64

- sign -0.000 ± 0.000 χ^2/NDF : 17.4/32

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2286703.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 741127.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1411720.5/18

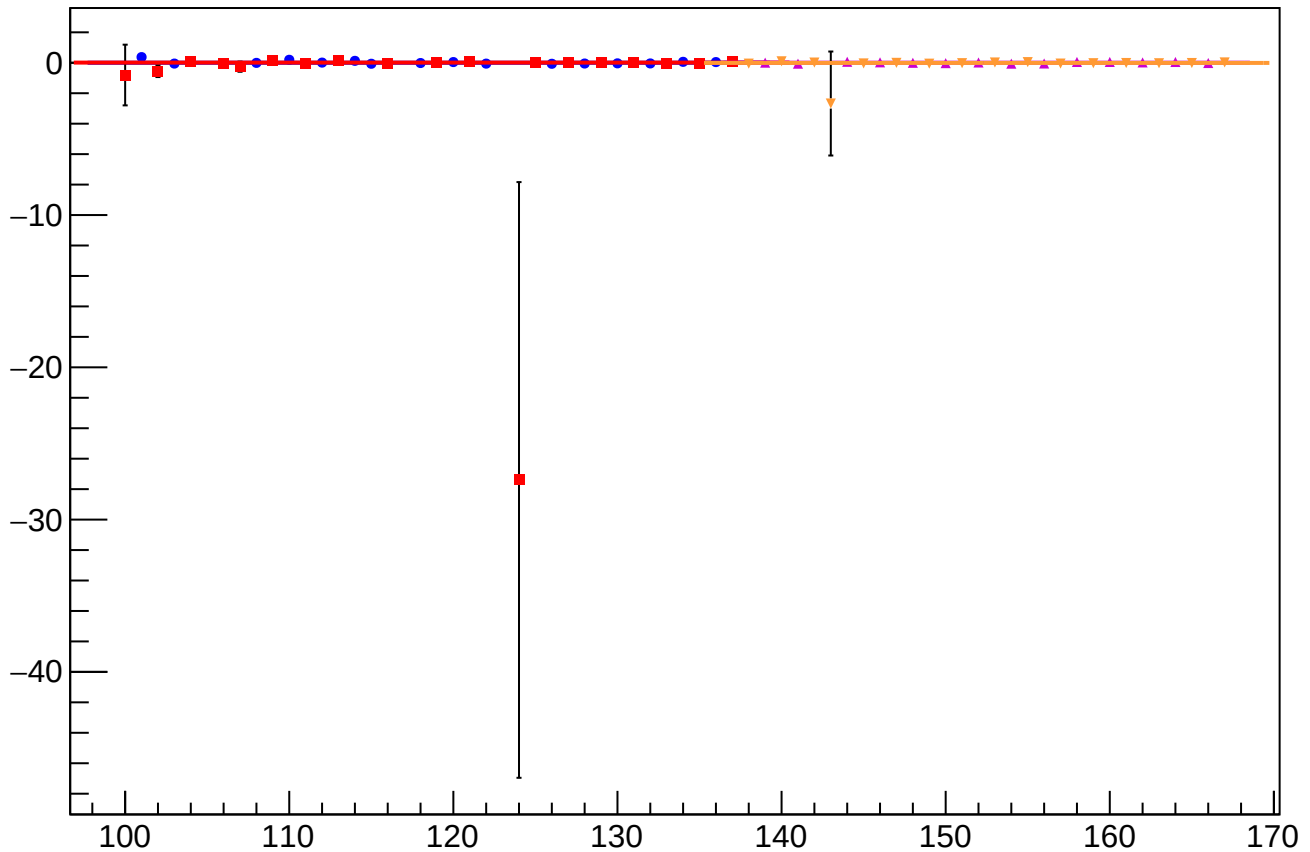
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 916657.1/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3797346.3/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7970167.2/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4144502.4/32

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: -0.010 $\pm$ 0.010 χ^2/NDF : 17.2/15

Right Out: 0.012 $\pm$ 0.015 χ^2/NDF : 14.2/18

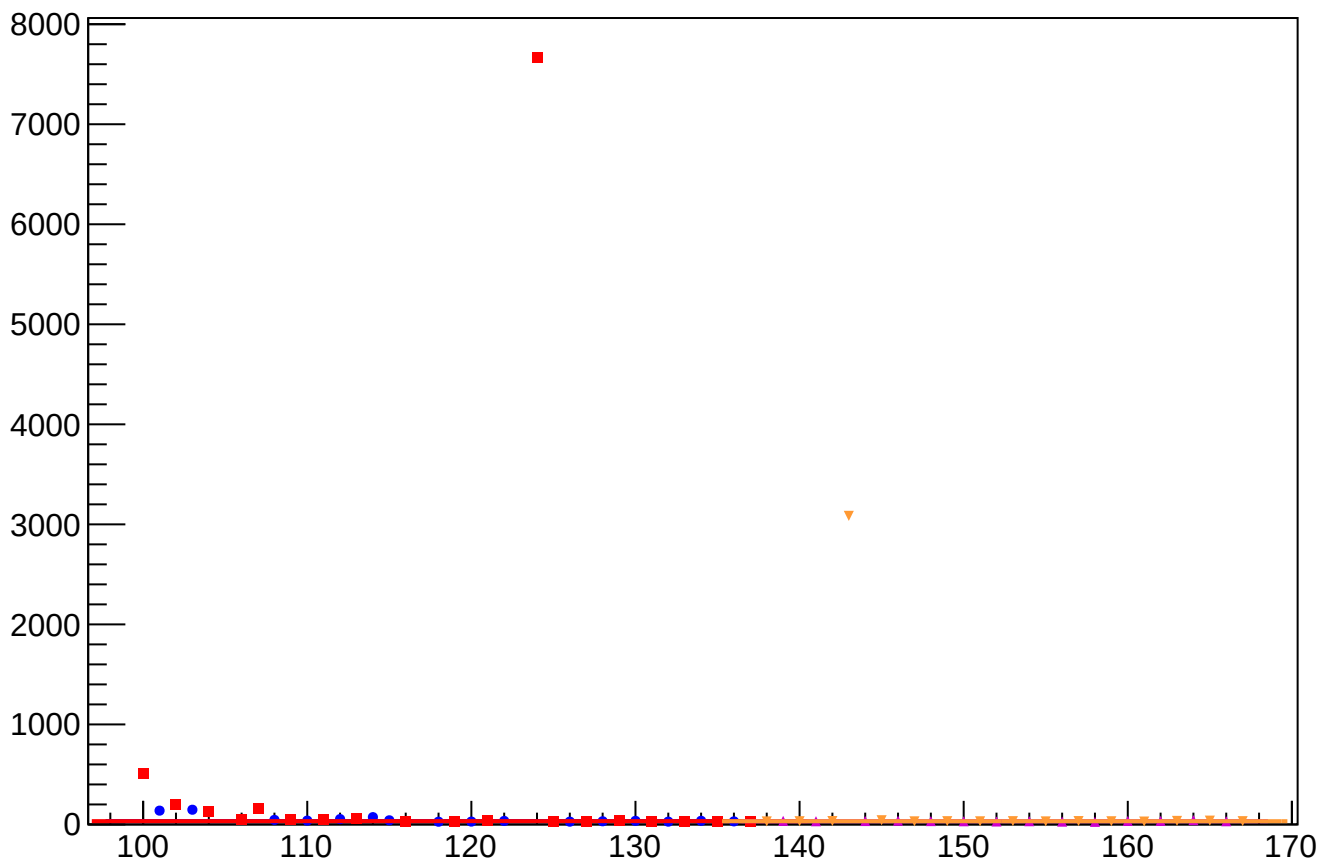
Left In: 0.005 $\pm$ 0.010 χ^2/NDF : 16.4/13

+ sign -0.006 $\pm$ 0.008 χ^2/NDF : 38.6/31

All: 0.000 $\pm$ 0.006 χ^2/NDF : 70.6/64

- sign 0.007 $\pm$ 0.009 χ^2/NDF : 30.8/32

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: 32.561 $\pm$ 0.007 χ^2 /NDF: 1750053.5/15

Right Out: 33.084 $\pm$ 0.011 χ^2 /NDF: 2075124.6/18

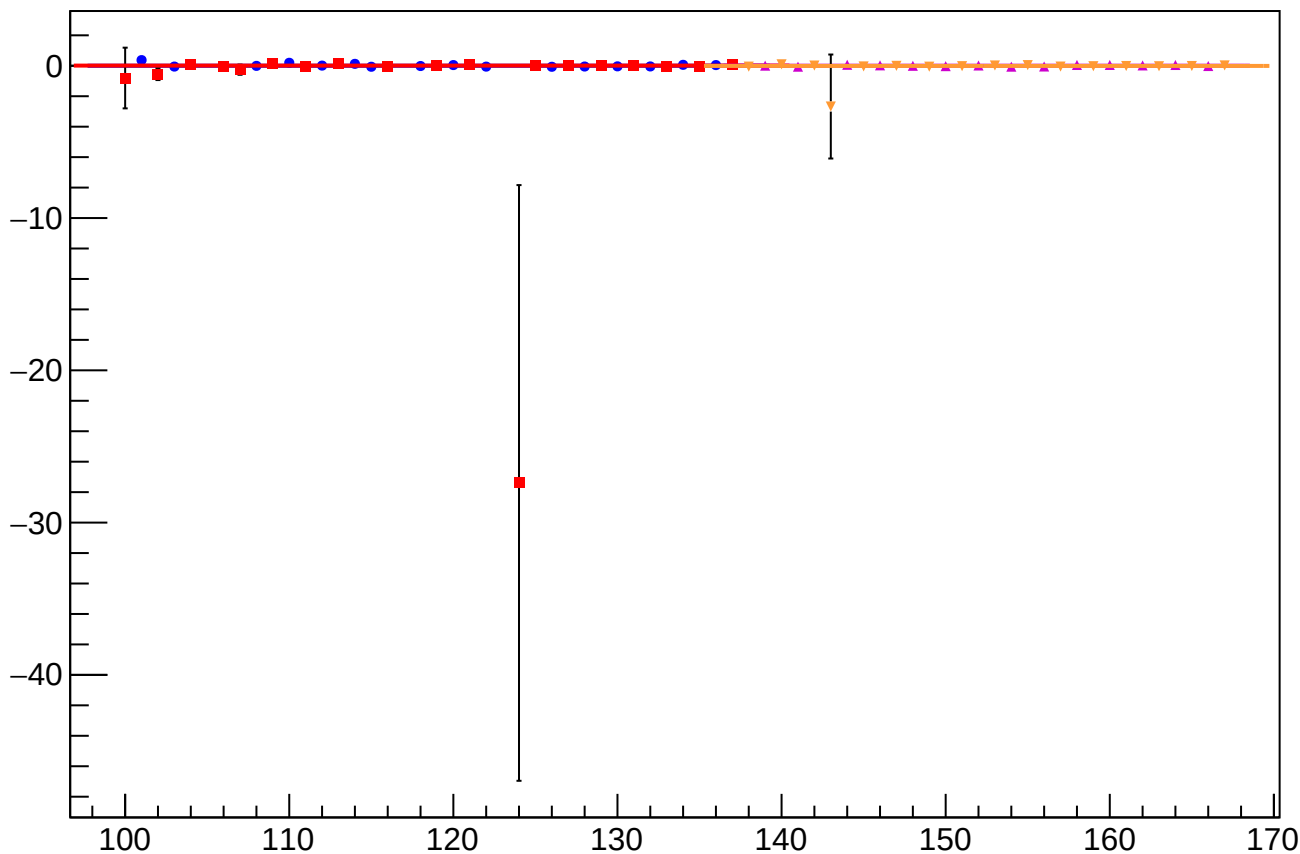
Left In: 32.622 $\pm$ 0.007 χ^2 /NDF: 250638.1/13

+ sign 33.047 $\pm$ 0.006 χ^2 /NDF: 3481169.2/31

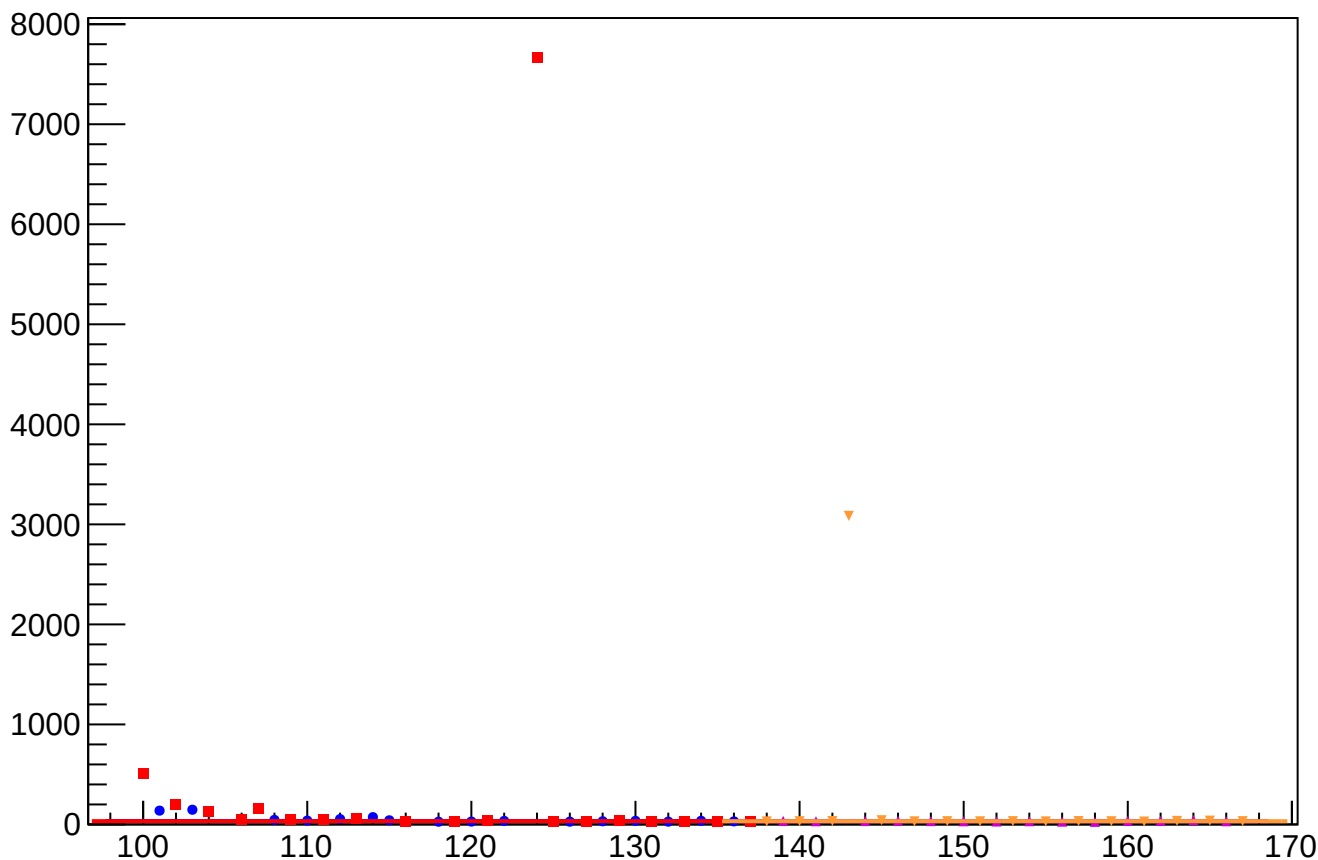
All: 32.914 $\pm$ 0.004 χ^2 /NDF: 5809237.2/64

- sign 32.776 $\pm$ 0.006 χ^2 /NDF: 2327049.1/32

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055 $\pm$ 0.010 χ^2 /NDF: 1717266.1/15

Left Out: 32.561 $\pm$ 0.007 χ^2 /NDF: 1750053.5/15

Right Out: 33.084 $\pm$ 0.011 χ^2 /NDF: 2075124.6/18

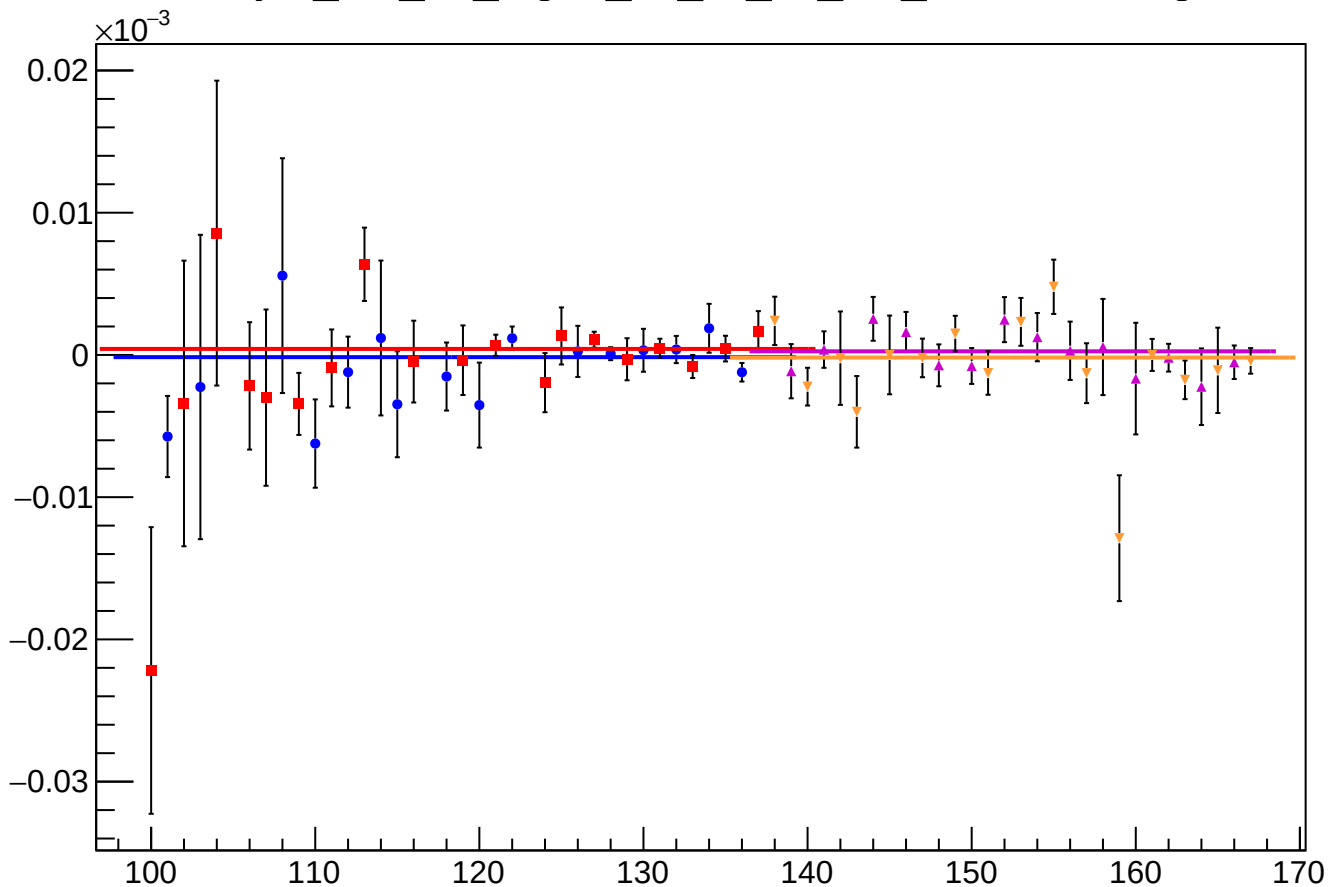
Left In: 32.622 $\pm$ 0.007 χ^2 /NDF: 250638.1/13

+ sign 33.047 $\pm$ 0.006 χ^2 /NDF: 3481169.2/31

All: 32.914 $\pm$ 0.004 χ^2 /NDF: 5809237.2/64

- sign 32.776 $\pm$ 0.006 χ^2 /NDF: 2327049.1/32

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 : 28.3/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.6/18

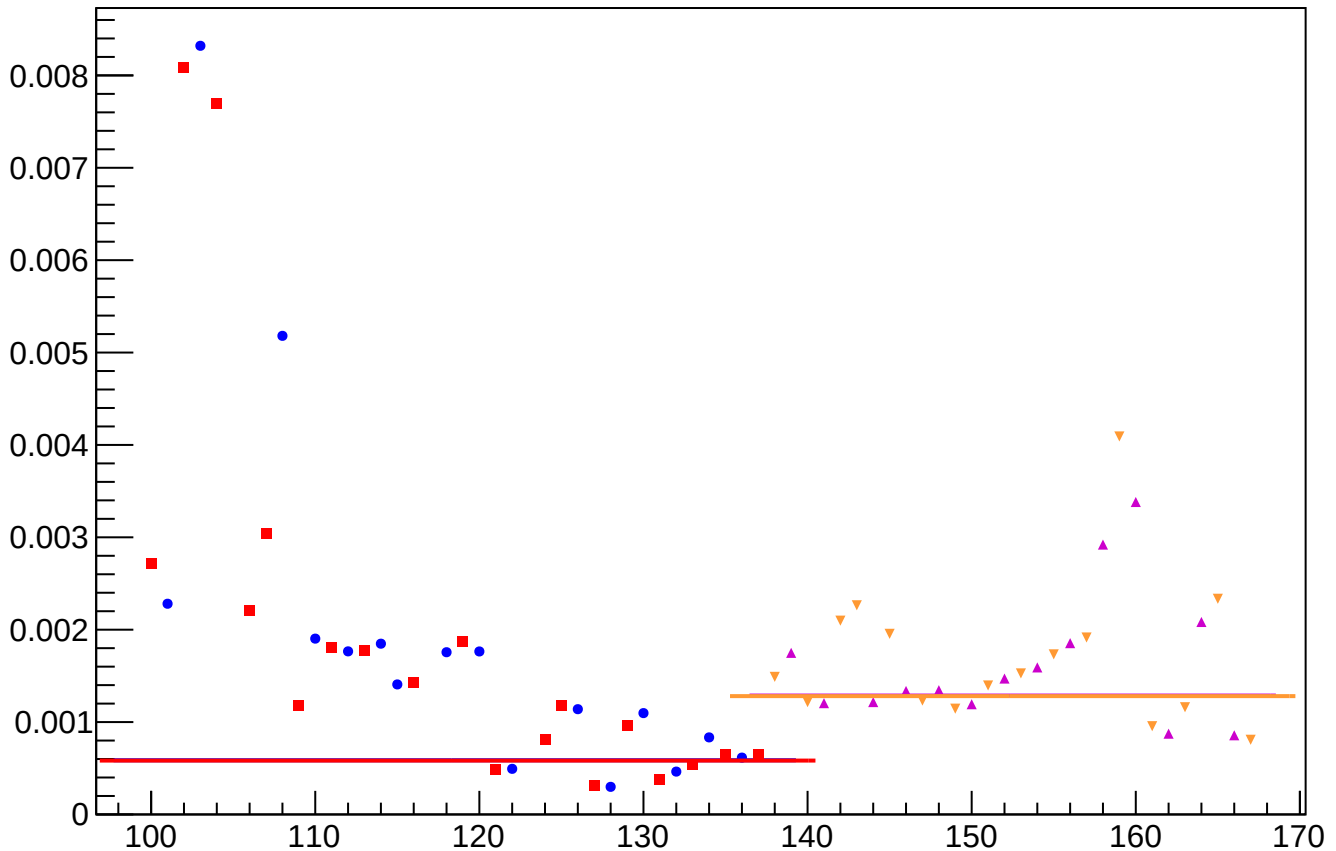
Left In: 0.000 ± 0.000 χ^2/NDF : 8.8/13

+ sign -0.000 ± 0.000 χ^2/NDF : 46.5/31

All: 0.000 ± 0.000 χ^2/NDF : 79.6/64

- sign 0.000 ± 0.000 χ^2/NDF : 30.5/32

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 : 2746393.5/15

Right Out: 0.001+/-0.000 χ^2/NDF : 5431787.1/18

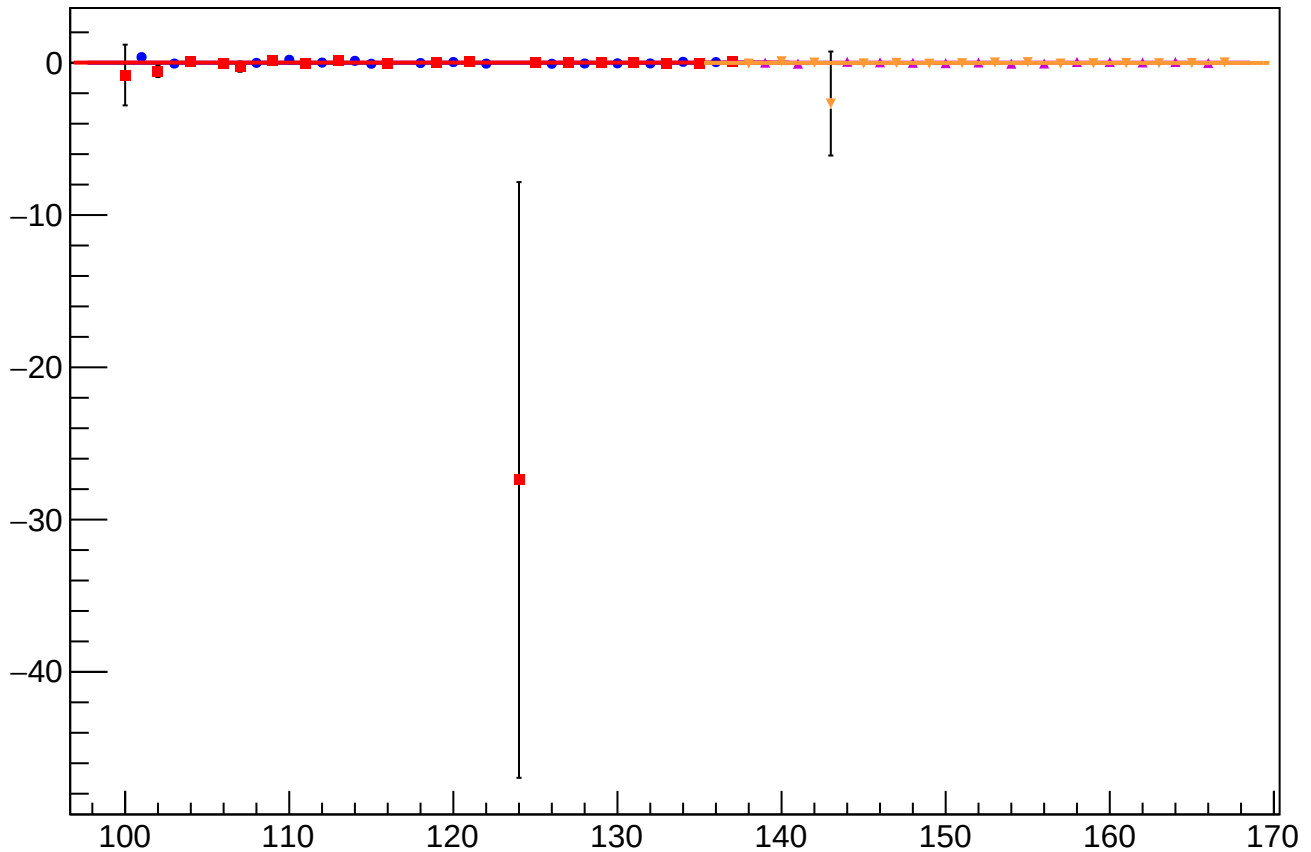
Left In: 0.001+/-0.000 χ^2/NDF : 2227076.7/13

+ sign 0.001+/-0.000 χ^2/NDF : 12241952.0/31

All: 0.001+/-0.000 χ^2/NDF : 23882443.7/64

- sign 0.001+/-0.000 χ^2/NDF : 11630336.7/32

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: -0.010 $\pm$ 0.010 χ^2 /NDF:17.2/15

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

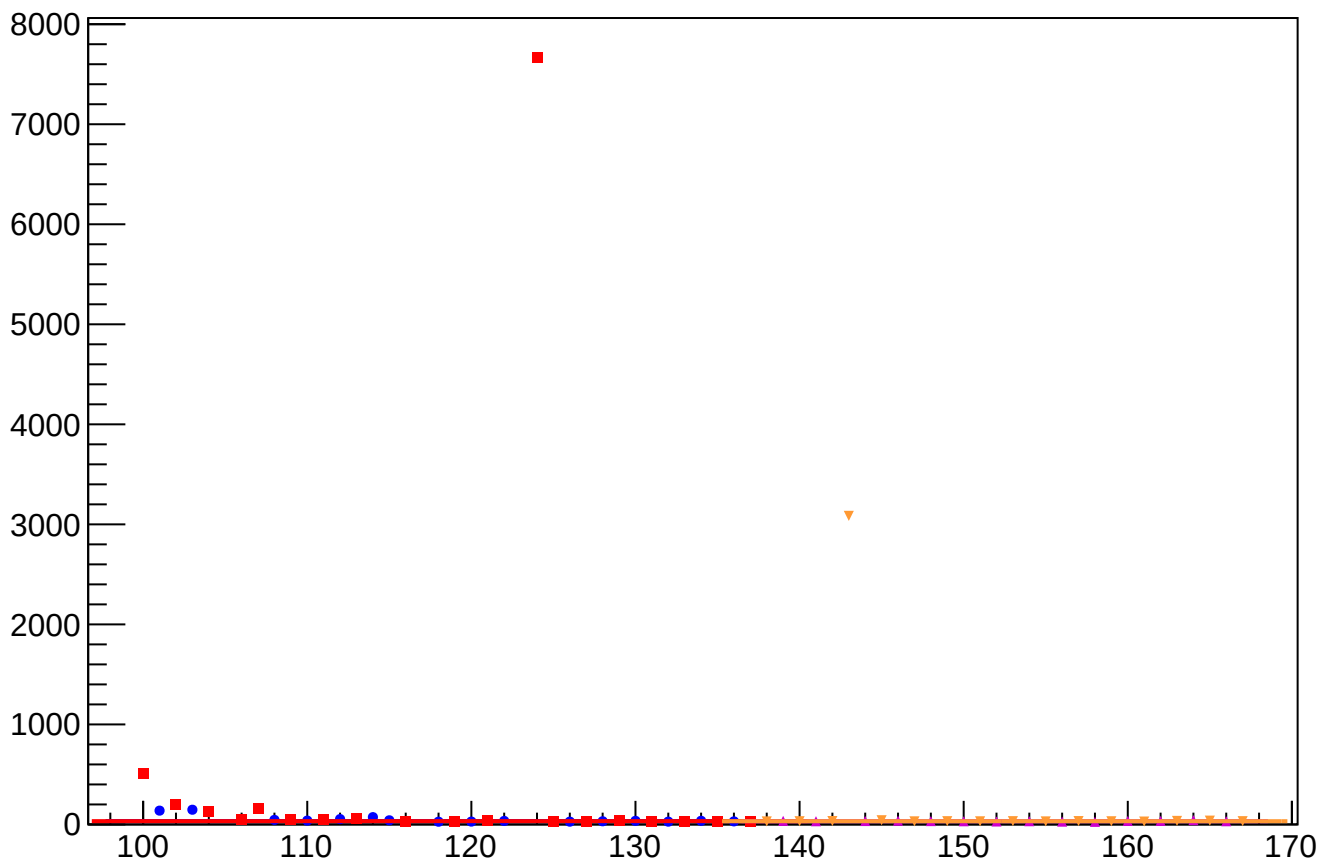
Left In: 0.005 $\pm$ 0.010 χ^2 /NDF:16.4/13

+ sign -0.006 $\pm$ 0.008 χ^2 /NDF: 38.6/31

All: 0.000 $\pm$ 0.006 χ^2 /NDF: 70.6/64

- sign 0.007 $\pm$ 0.009 χ^2 /NDF: 30.8/32

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: 32.561 $\pm$ 0.007 χ^2 /NDF: 1750048.1/15

Right Out: 33.083 $\pm$ 0.011 χ^2 /NDF: 2075105.8/18

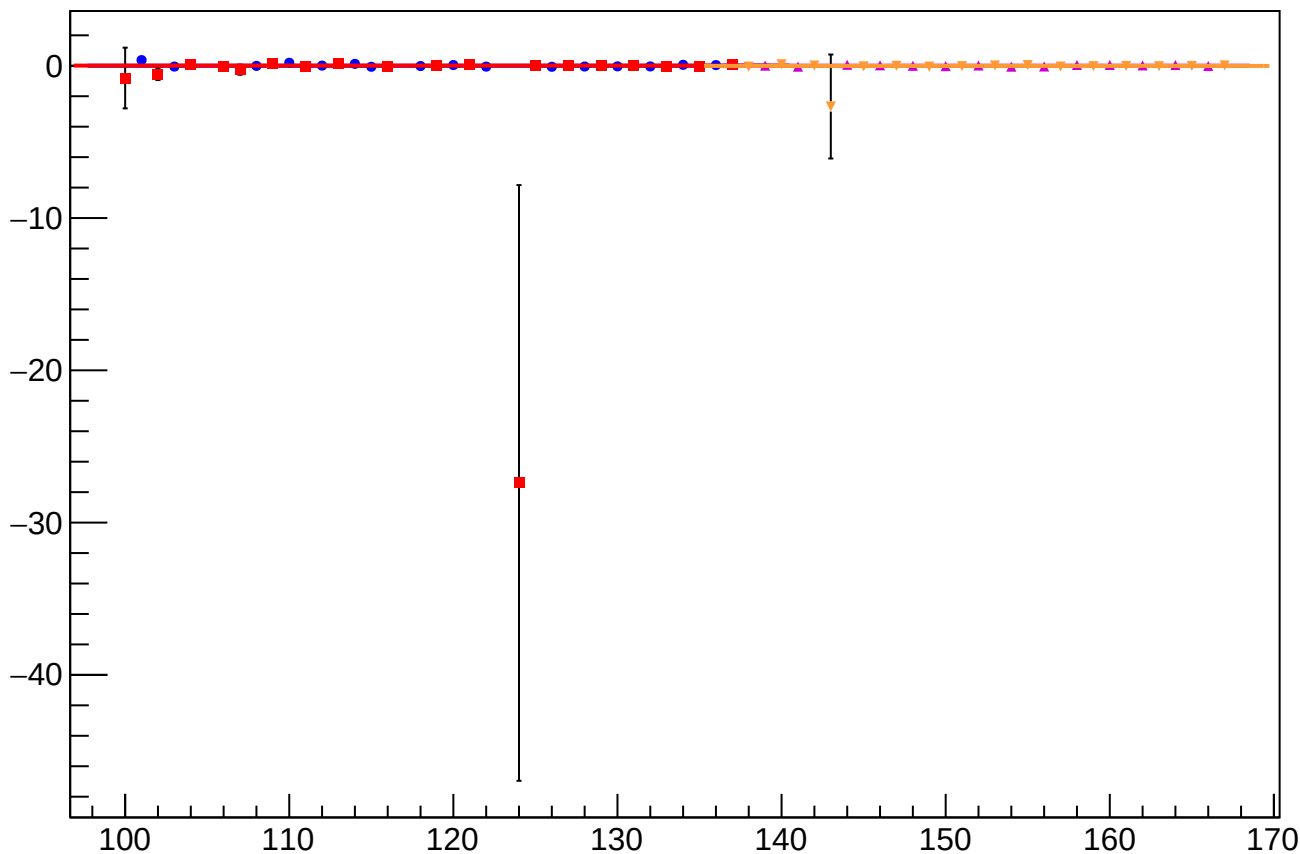
Left In: 32.623 $\pm$ 0.007 χ^2 /NDF: 250558.2/13

+ sign 33.047 $\pm$ 0.006 χ^2 /NDF: 3481151.9/31

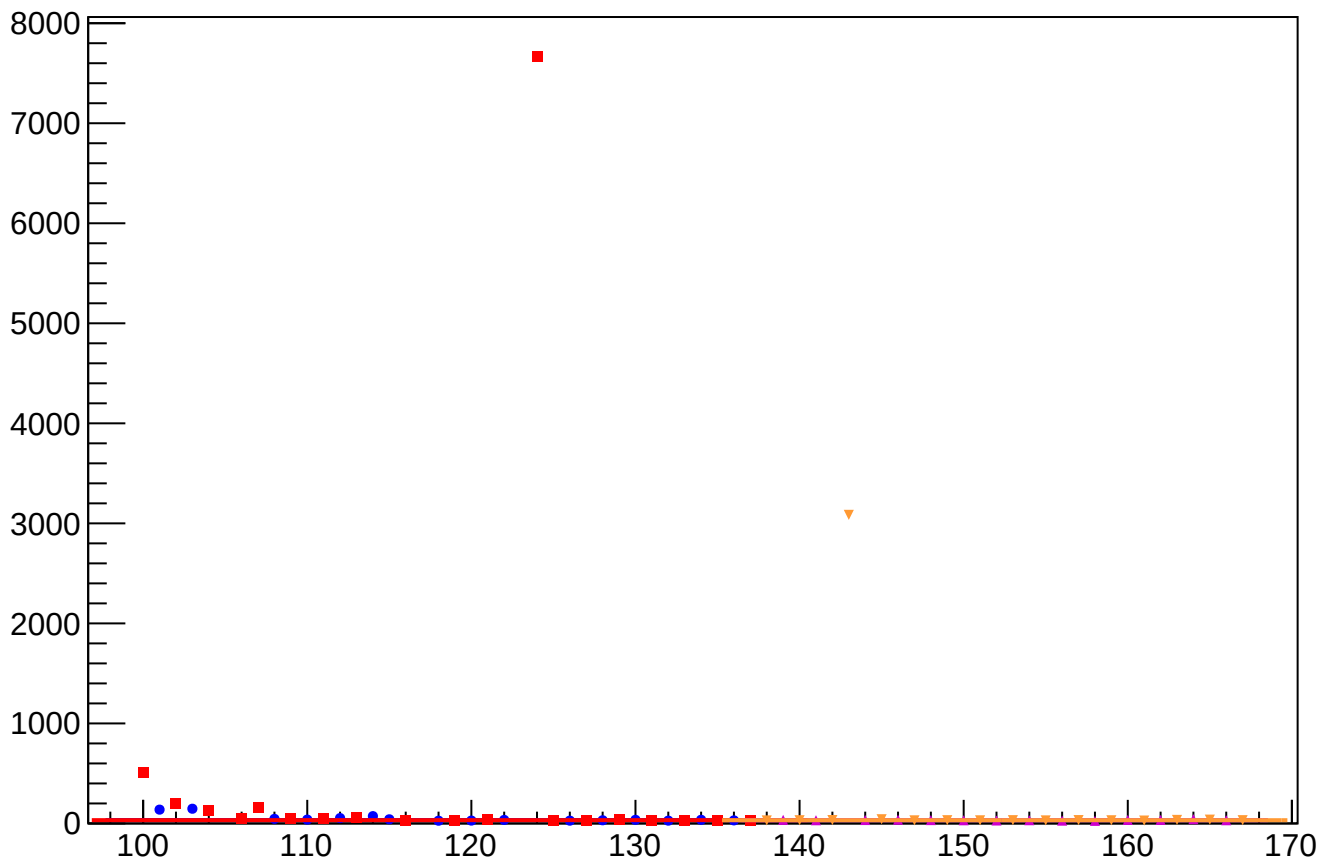
All: 32.914 $\pm$ 0.004 χ^2 /NDF: 5809117.9/64

- sign 32.776 $\pm$ 0.006 χ^2 /NDF: 2326948.2/32

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF : 1717254.5/15

Left Out: 32.561+/-0.007 χ^2/NDF : 1750048.1/15

Right Out: 33.083+/-0.011 χ^2/NDF : 2075105.8/18

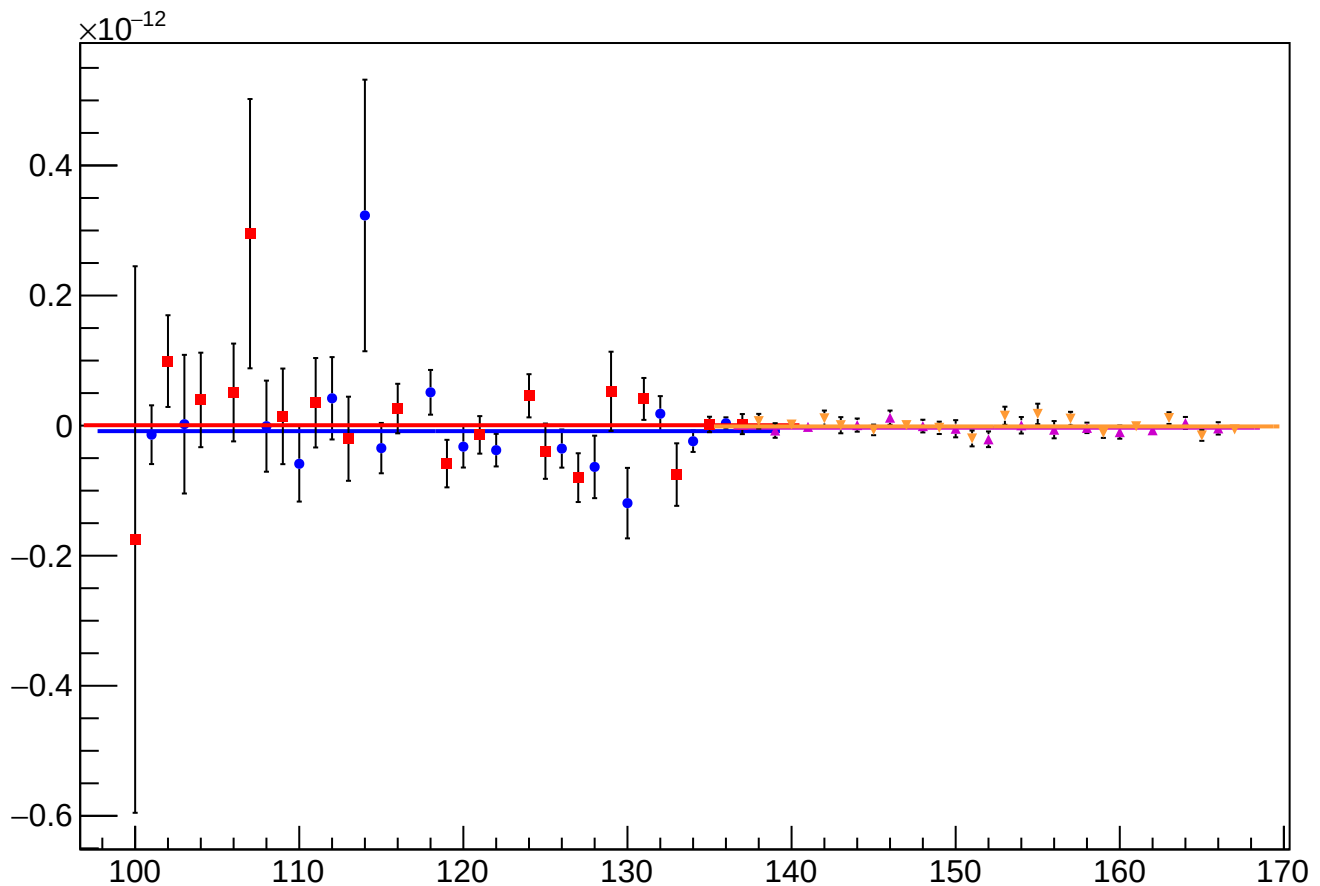
Left In: 32.623+/-0.007 χ^2/NDF : 250558.2/13

+ sign 33.047+/-0.006 χ^2/NDF : 3481151.9/31

All: 32.914+/-0.004 χ^2/NDF : 5809117.9/64

- sign 32.776+/-0.006 χ^2/NDF : 2326948.2/32

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 : 15.8/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.8/18

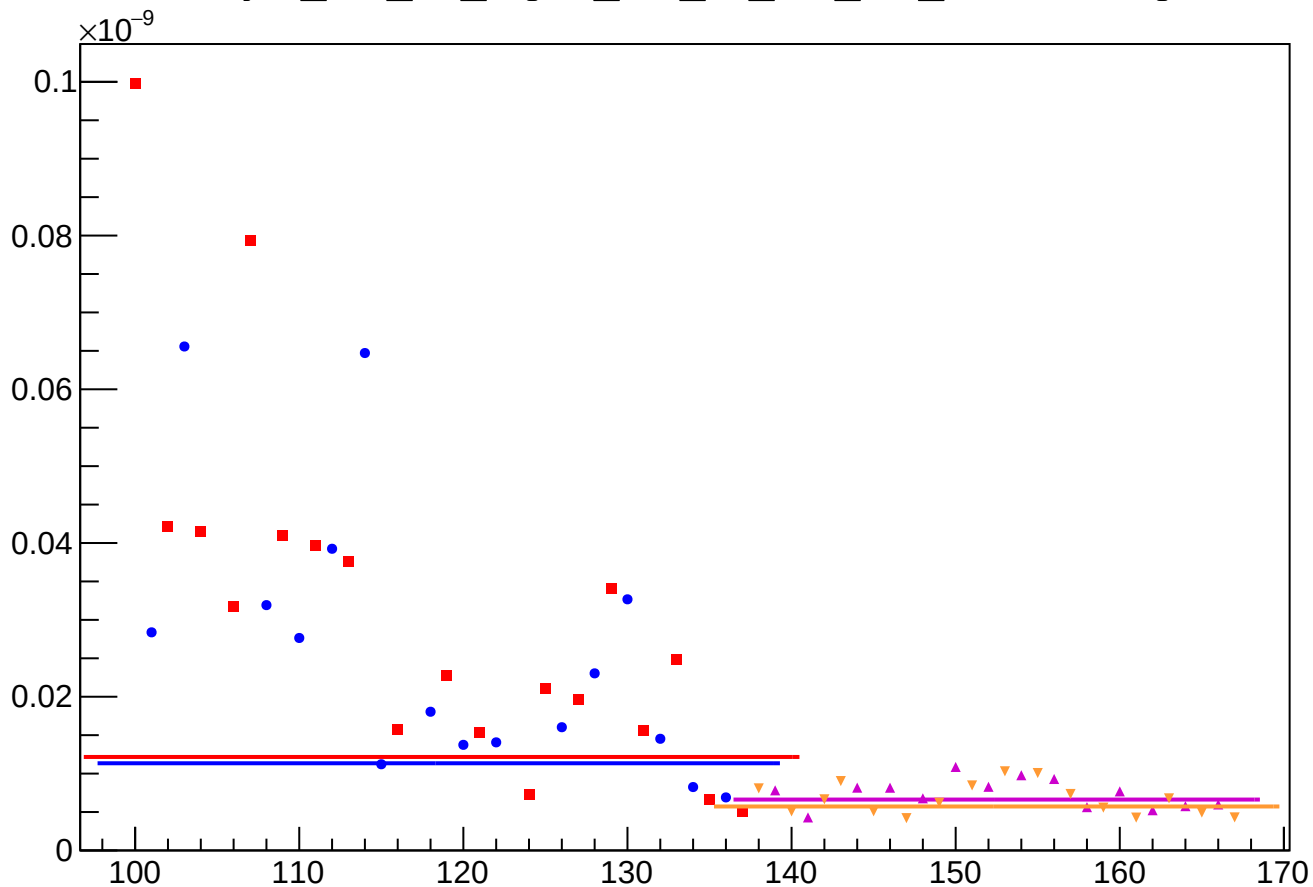
Left In: -0.000 ± 0.000 χ^2/NDF : 6.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 36.2/31

All: -0.000 ± 0.000 χ^2/NDF : 63.4/64

- sign -0.000 ± 0.000 χ^2/NDF : 27.1/32

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1136636.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3757412.0/18

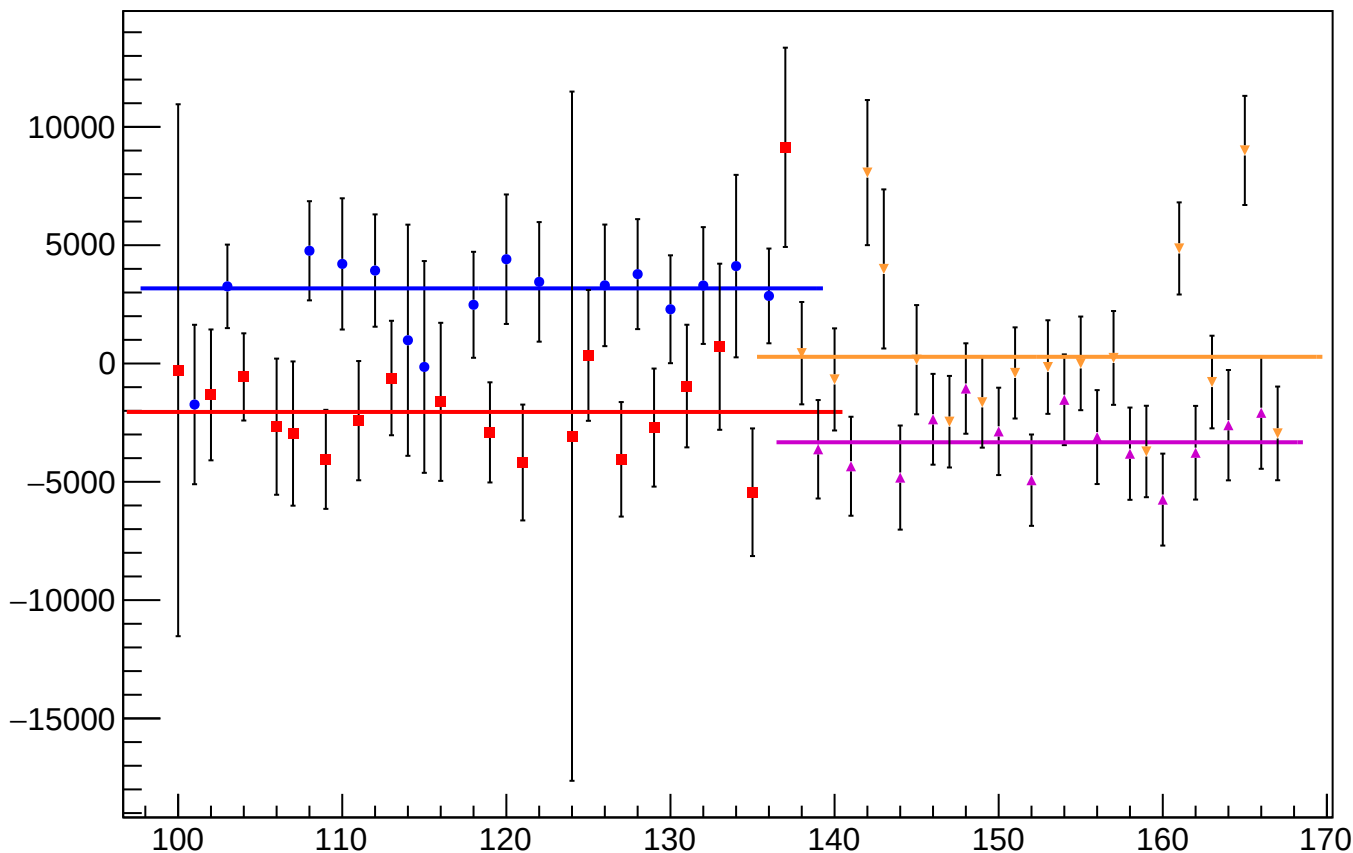
Left In: 0.000+/-0.000 χ^2/NDF : 997029.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5331976.6/31

All: 0.000+/-0.000 χ^2/NDF : 11294322.3/64

- sign 0.000+/-0.000 χ^2/NDF : 5794285.3/32

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599 $\pm$ 627.992 χ^2 /NDF: 4.3/15

Left Out: 283.062 $\pm$ 525.485 χ^2 /NDF:38.2/15

Right Out: -2047.403 $\pm$ 621.498 χ^2 /NDF: 14.0/18

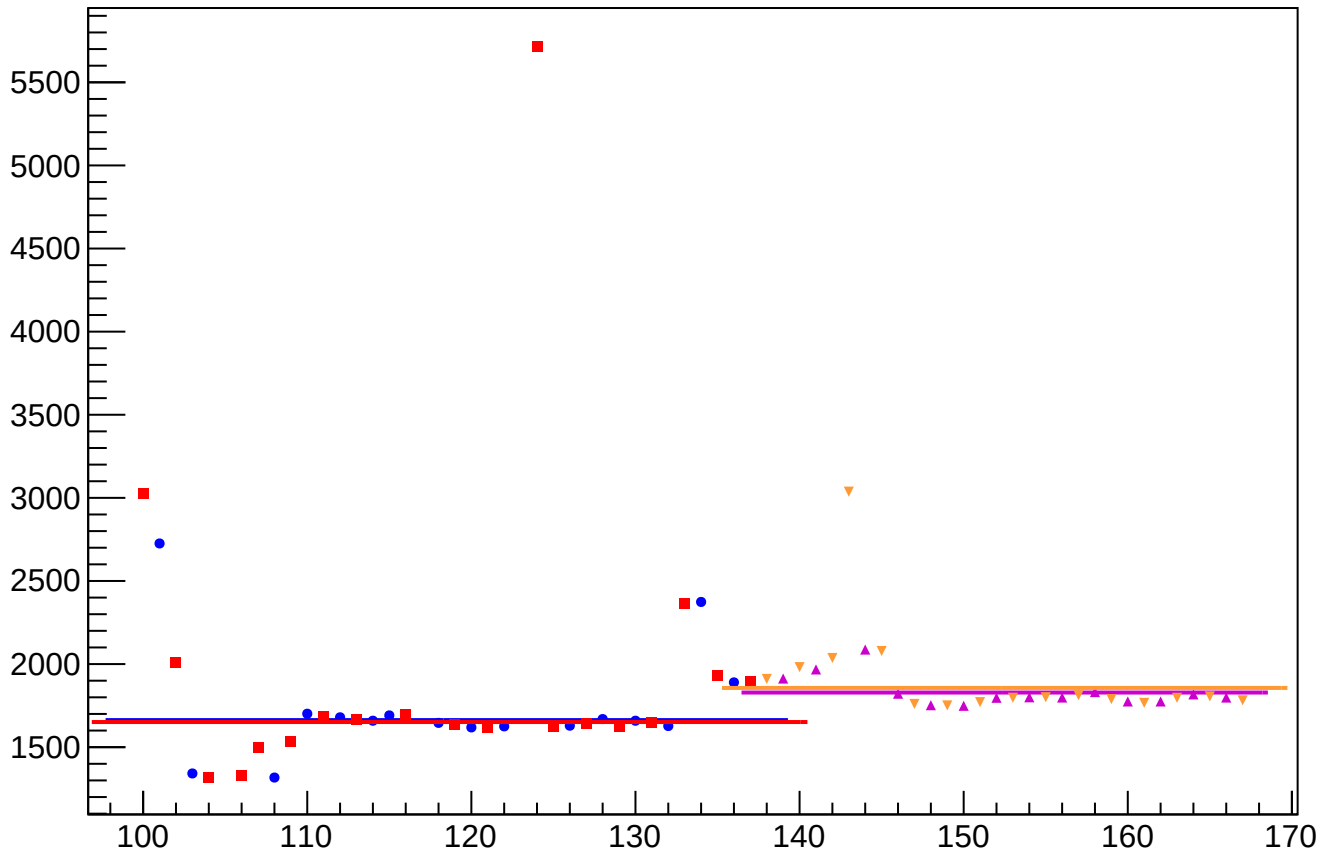
Left In: -3328.558 $\pm$ 538.817 χ^2 /NDF:6.1/13

+ sign 1474.292 $\pm$ 403.007 χ^2 /NDF: 55.0/31

All: -630.677 $\pm$ 286.411 χ^2 /NDF: 132.6/64

- sign -2778.811 $\pm$ 407.118 χ^2 /NDF: 22.5/32

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901 ± 0.444 χ^2/NDF : 415630.7/15

Left Out: 1856.449 ± 0.372 χ^2/NDF : 311751.5/15

+ sign 1776.741 ± 0.285 χ^2/NDF : 839120.6/31

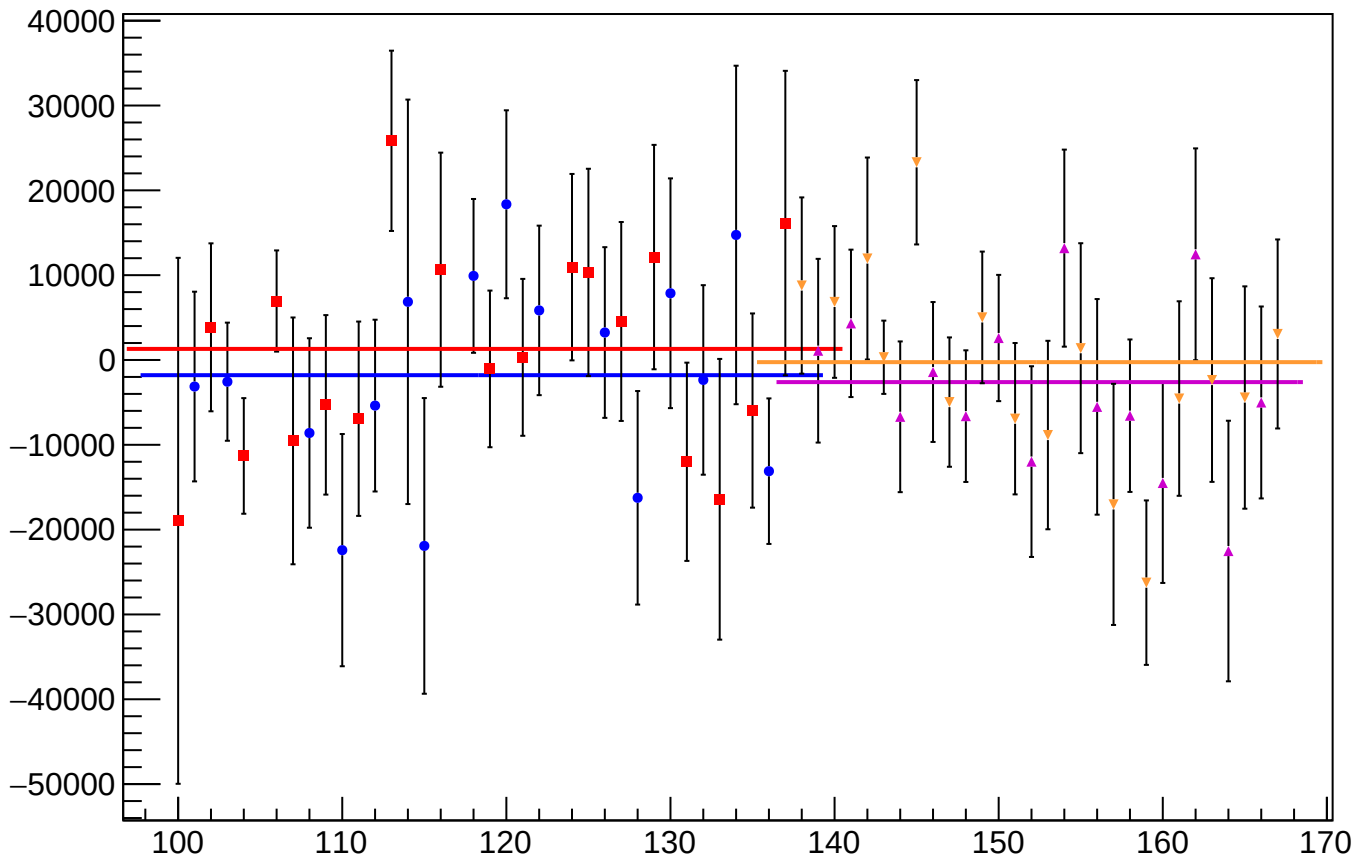
Right Out: 1651.322 ± 0.439 χ^2/NDF : 431965.1/18

All: 1764.808 ± 0.203 χ^2/NDF : 1419169.4/64

- sign 1752.631 ± 0.288 χ^2/NDF : 576506.2/32

Left In: 1828.779 ± 0.381 χ^2/NDF : 51453.1/13

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030 $\pm$ 2743.617 χ^2 /NDF: 14.3/15

Left Out: -254.313 $\pm$ 2246.792 χ^2 /NDF:19.3/15

Right Out: 1306.311 $\pm$ 2430.063 χ^2 /NDF: 17.7/18

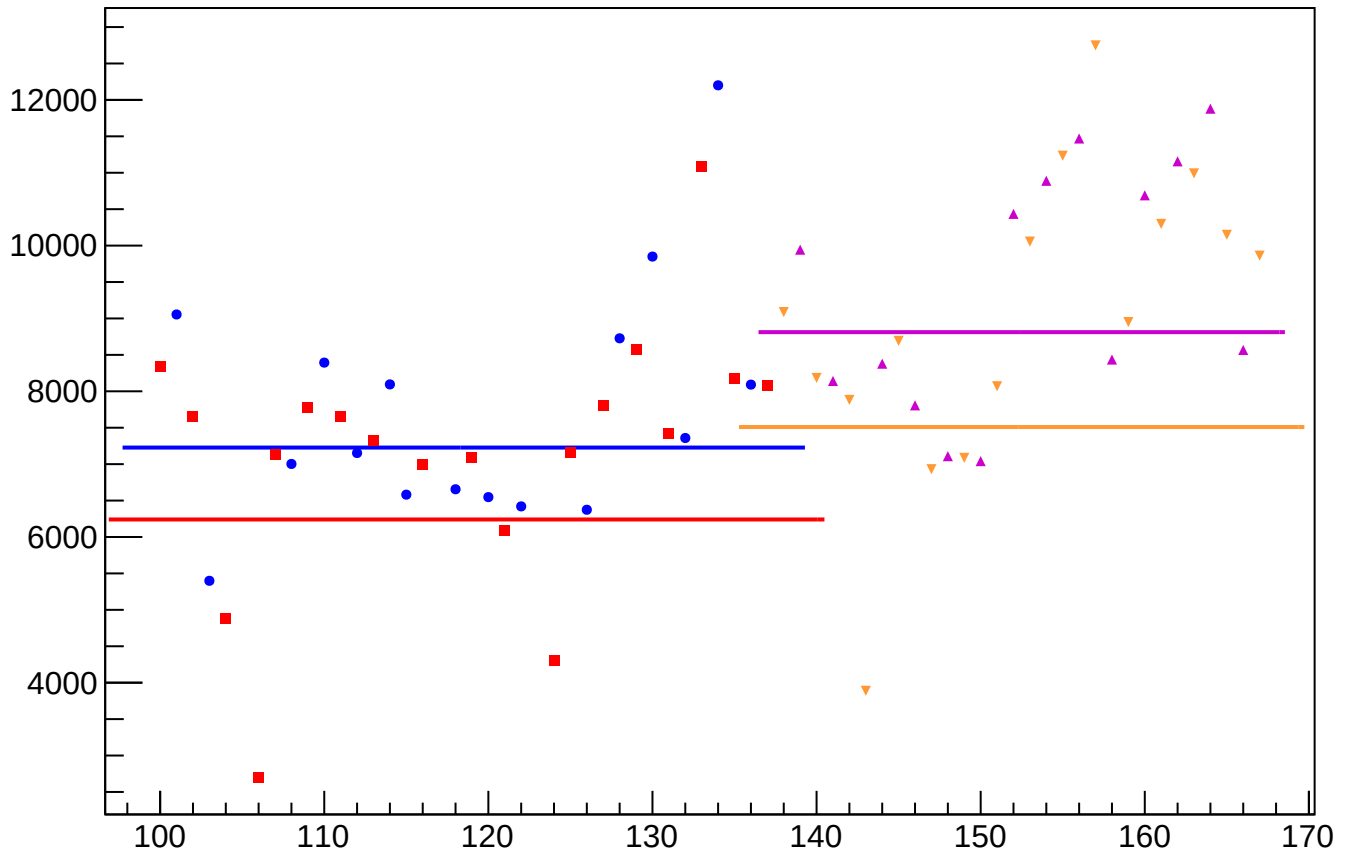
Left In: -2608.486 $\pm$ 2641.225 χ^2 /NDF:8.7/13

+ sign -871.184 $\pm$ 1738.296 χ^2 /NDF: 33.8/31

All: -685.201 $\pm$ 1246.468 χ^2 /NDF: 61.5/64

- sign -488.363 $\pm$ 1788.313 χ^2 /NDF: 27.7/32

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF : 503260.9/15

Left Out: 7509.623+/-1.589 χ^2/NDF : 2579578.3/15

+ sign 7396.409+/-1.229 χ^2/NDF : 3095489.6/31

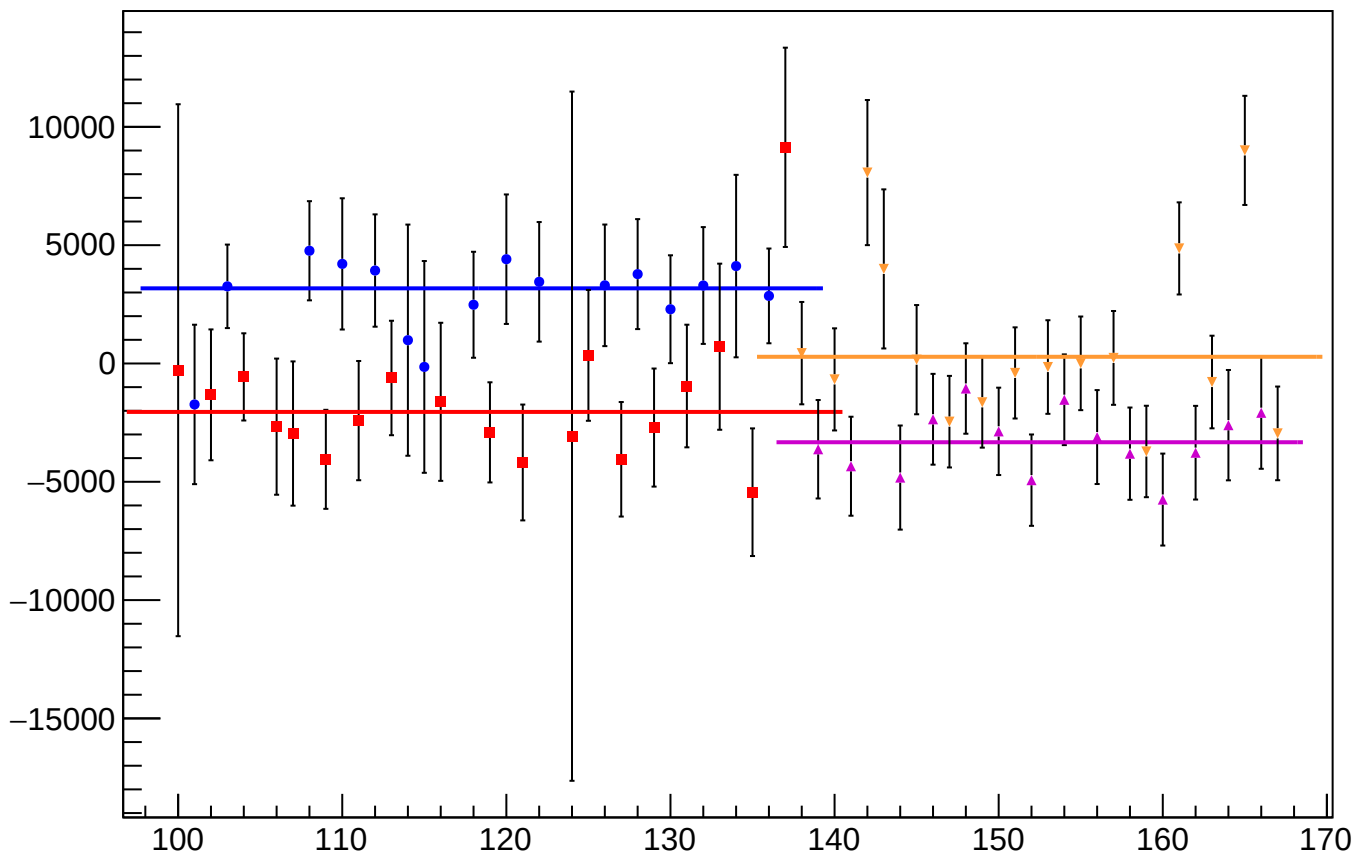
Right Out: 6240.557+/-1.718 χ^2/NDF : 1399077.4/18

All: 7407.556+/-0.881 χ^2/NDF : 6197613.2/64

- sign 7419.354+/-1.265 χ^2/NDF : 3101954.4/32

Left In: 8811.917+/-1.868 χ^2/NDF : 676287.6/13

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF : 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF : 38.2/15

Right Out: -2047.209+/-621.498 χ^2/NDF : 14.0/18

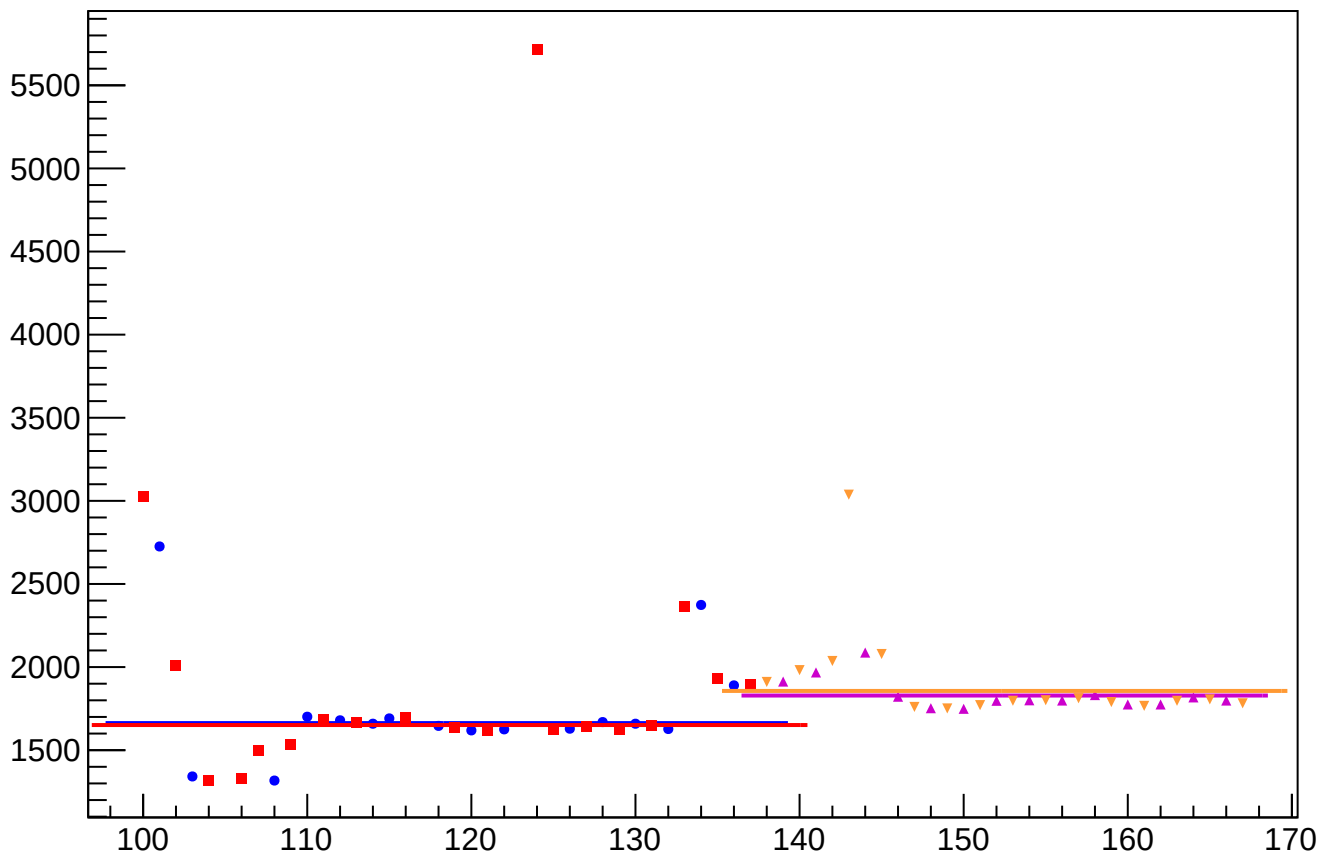
Left In: -3328.647+/-538.817 χ^2/NDF : 6.1/13

+ sign 1474.272+/-403.007 χ^2/NDF : 55.0/31

All: -630.671+/-286.411 χ^2/NDF : 132.6/64

- sign -2778.779+/-407.118 χ^2/NDF : 22.5/32

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF : 311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

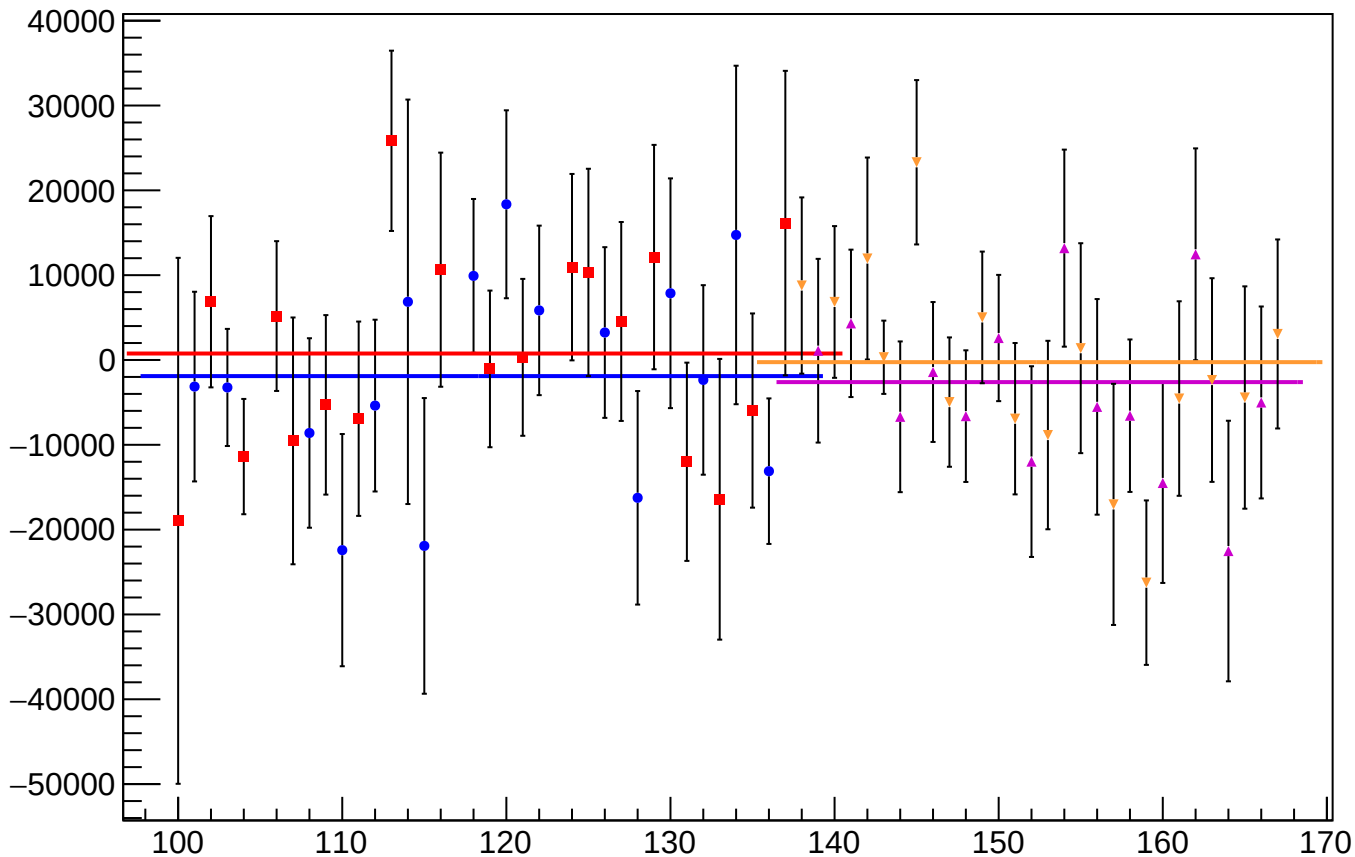
Left In: 1828.779+/-0.381 χ^2/NDF : 51453.1/13

+ sign 1776.741+/-0.285 χ^2/NDF : 839121.1/31

All: 1764.808+/-0.203 χ^2/NDF : 1419170.2/64

- sign 1752.631+/-0.288 χ^2/NDF : 576506.5/32

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF : 14.4/15

Left Out: -254.400+/-2246.785 χ^2/NDF : 19.3/15

Right Out: 762.513+/-2549.943 χ^2/NDF : 17.3/18

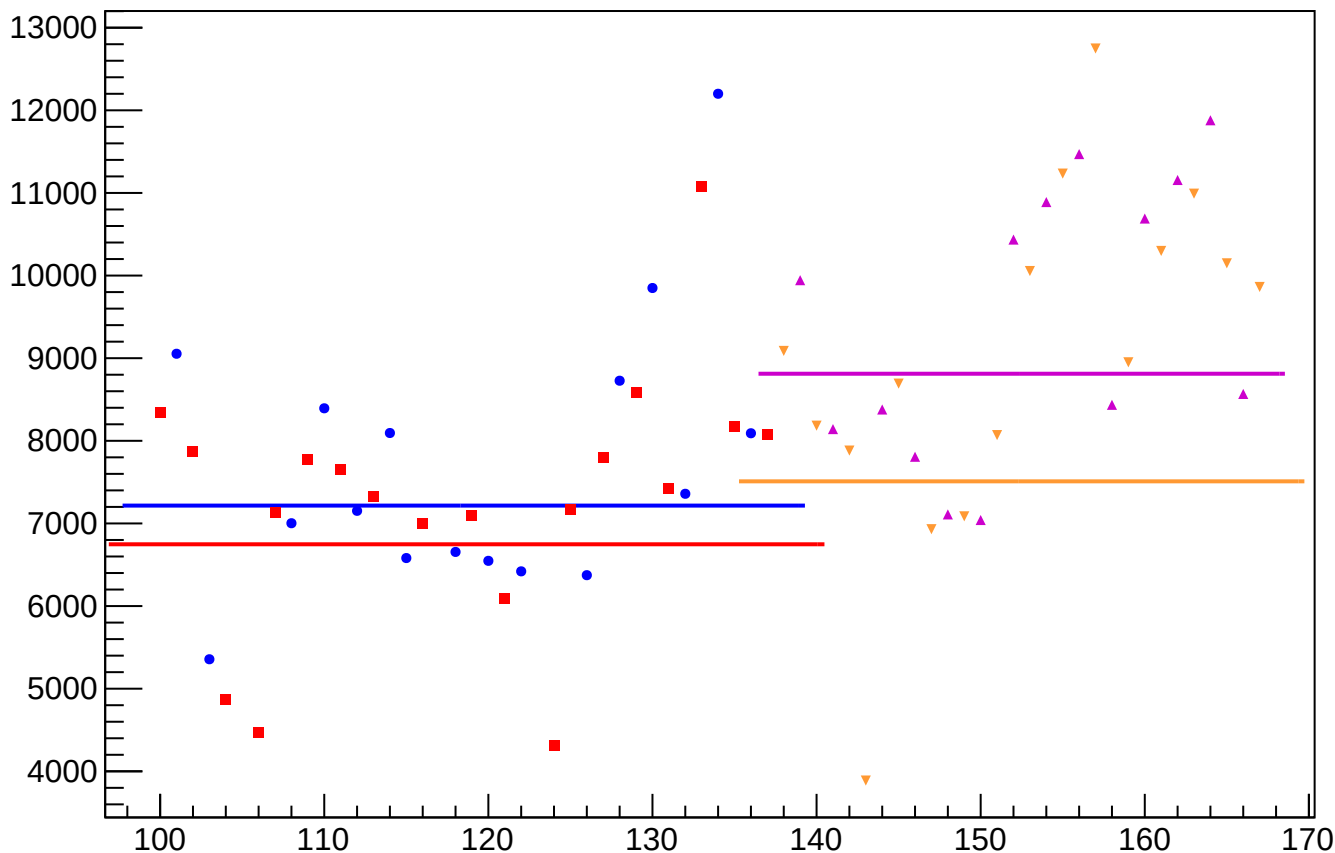
Left In: -2608.623+/-2641.224 χ^2/NDF : 8.7/13

+ sign -916.083+/-1737.359 χ^2/NDF : 33.9/31

All: -891.361+/-1261.444 χ^2/NDF : 60.8/64

- sign -863.796+/-1834.504 χ^2/NDF : 26.9/32

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2 /NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2 /NDF:2579638.2/15

Right Out: 6747.736+/-1.803 χ^2 /NDF: 708793.3/18

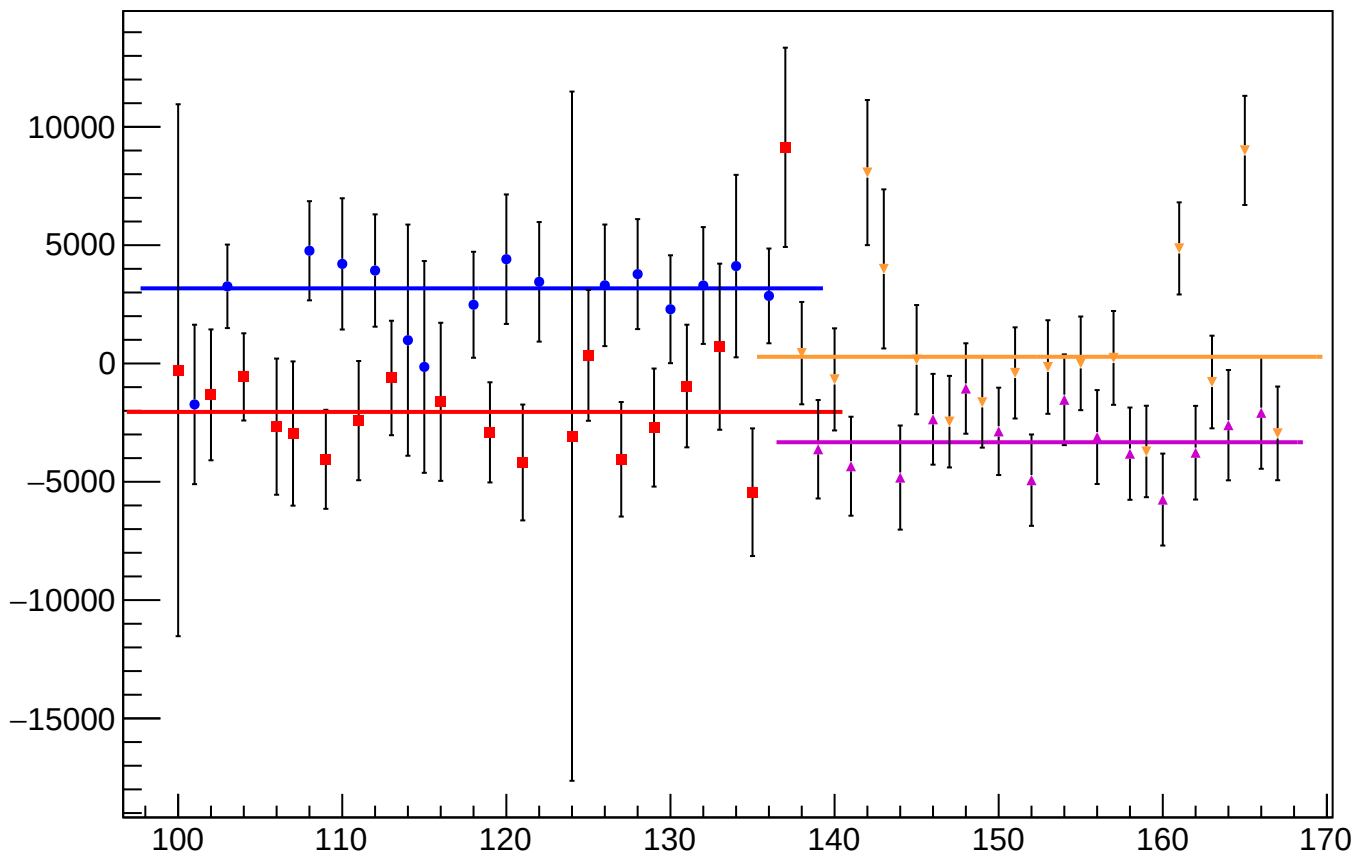
Left In: 8811.911+/-1.868 χ^2 /NDF:676291.7/13

+ sign 7391.560+/-1.228 χ^2 /NDF: 3105492.0/31

All: 7557.983+/-0.892 χ^2 /NDF: 5161640.5/64

- sign 7743.539+/-1.297 χ^2 /NDF: 2017335.0/32

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689 ± 627.992 $\chi^2/\text{NDF}: 4.3/15$

Left Out: 282.964 ± 525.485 $\chi^2/\text{NDF}: 38.2/15$

Right Out: -2047.209 ± 621.498 $\chi^2/\text{NDF}: 14.0/18$

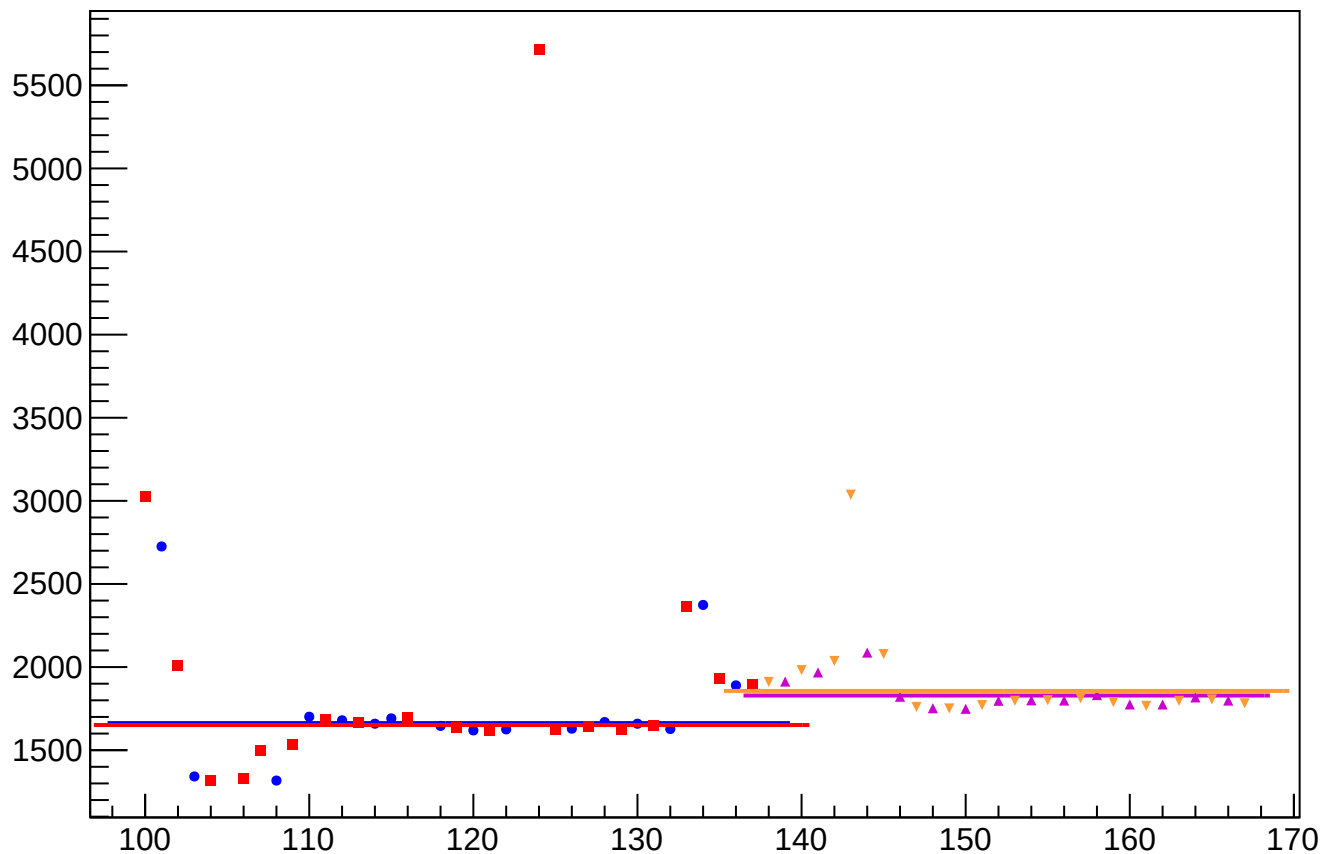
Left In: -3328.647 ± 538.817 $\chi^2/\text{NDF}: 6.1/13$

+ sign 1474.272 ± 403.007 $\chi^2/\text{NDF}: 55.0/31$

All: -630.671 ± 286.411 $\chi^2/\text{NDF}: 132.6/64$

- sign -2778.779 ± 407.118 $\chi^2/\text{NDF}: 22.5/32$

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2 /NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2 /NDF: 311751.5/15

Right Out: 1651.322+/-0.439 χ^2 /NDF: 431965.2/18

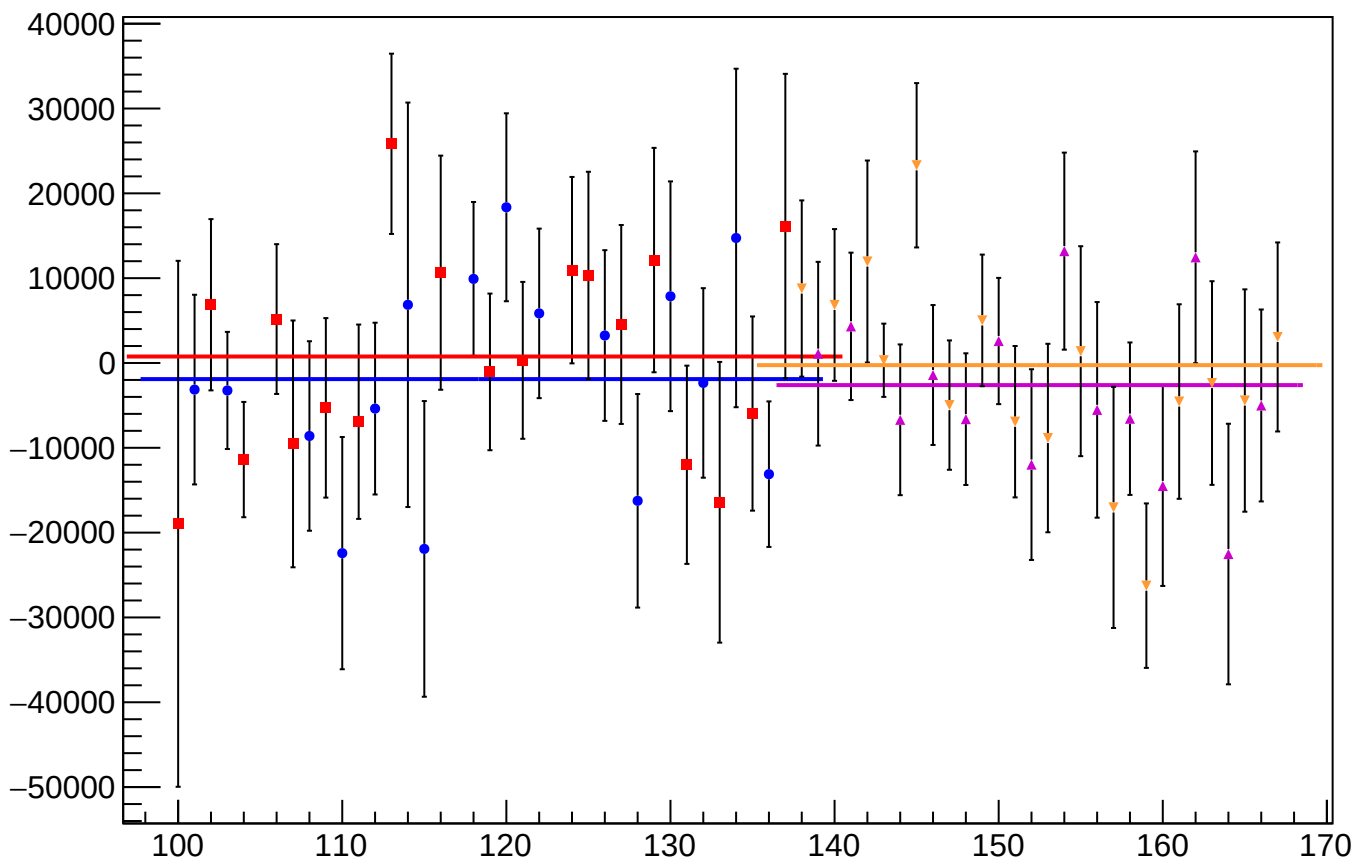
Left In: 1828.779+/-0.381 χ^2 /NDF: 51453.1/13

+ sign 1776.741+/-0.285 χ^2 /NDF: 839121.1/31

All: 1764.808+/-0.203 χ^2 /NDF: 1419170.2/64

- sign 1752.631+/-0.288 χ^2 /NDF: 576506.5/32

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125 $\pm$ 2739.954 χ^2/NDF : 14.4/15

Left Out: -254.400 $\pm$ 2246.785 χ^2/NDF : 19.3/15

Right Out: 762.513 $\pm$ 2549.943 χ^2/NDF : 17.3/18

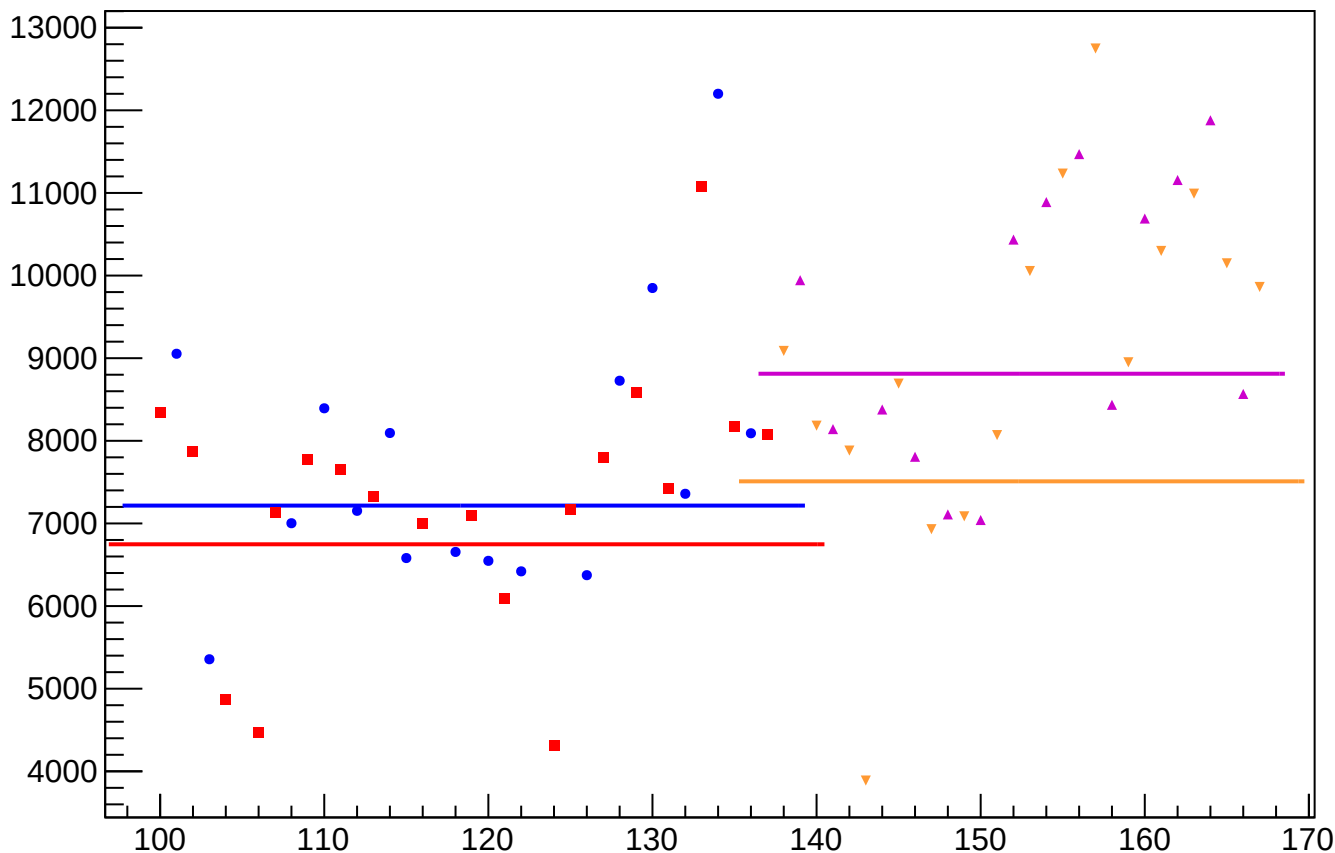
Left In: -2608.623 $\pm$ 2641.224 χ^2/NDF : 8.7/13

+ sign -916.083 $\pm$ 1737.359 χ^2/NDF : 33.9/31

All: -891.361 $\pm$ 1261.444 χ^2/NDF : 60.8/64

- sign -863.796 $\pm$ 1834.504 χ^2/NDF : 26.9/32

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029 ± 1.937 χ^2/NDF : 512126.4/15

Left Out: 7509.588 ± 1.589 χ^2/NDF : 2579638.2/15

Right Out: 6747.736 ± 1.803 χ^2/NDF : 708793.3/18

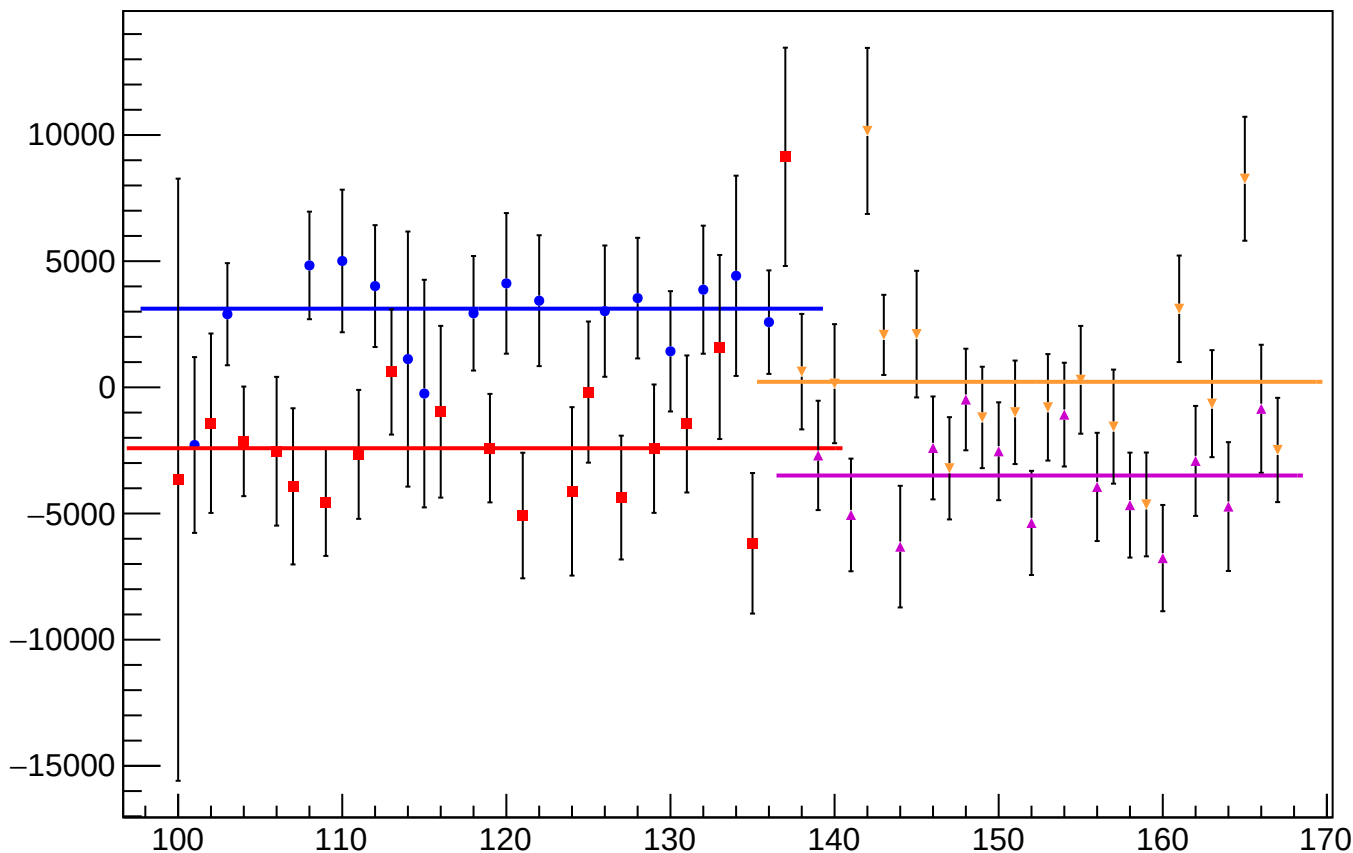
Left In: 8811.911 ± 1.868 χ^2/NDF : 676291.7/13

+ sign 7391.560 ± 1.228 χ^2/NDF : 3105492.0/31

All: 7557.983 ± 0.892 χ^2/NDF : 5161640.5/64

- sign 7743.539 ± 1.297 χ^2/NDF : 2017335.0/32

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878 ± 651.119 χ^2/NDF : 5.3/15

Left Out: 219.526 ± 536.838 χ^2/NDF : 35.7/15

Right Out: -2412.473 ± 639.018 χ^2/NDF : 16.0/18

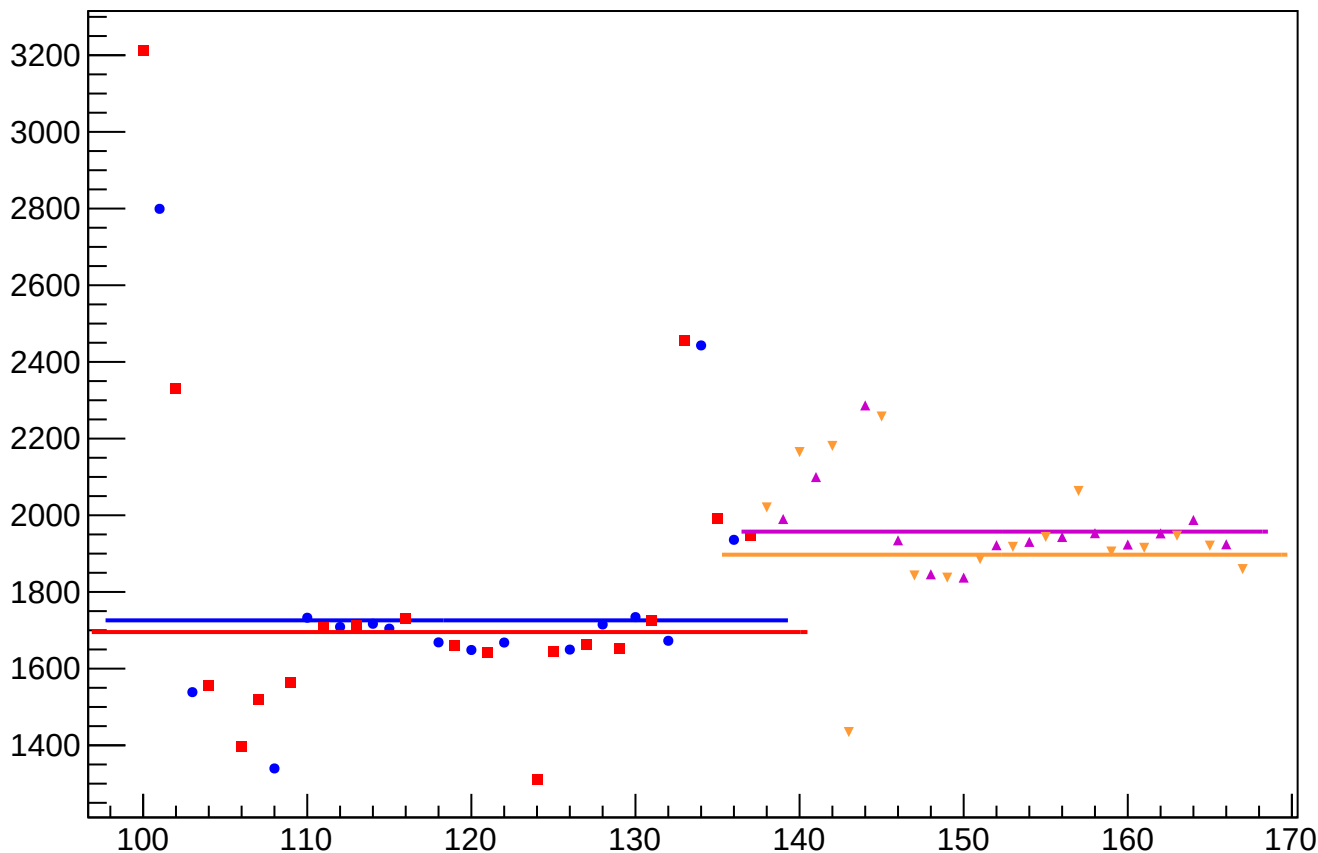
Left In: -3494.434 ± 577.006 χ^2/NDF : 11.1/13

+ sign 1392.440 ± 414.207 χ^2/NDF : 52.8/31

All: -734.660 ± 297.731 χ^2/NDF : 136.1/64

- sign -3008.486 ± 428.255 χ^2/NDF : 28.7/32

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF : 365638.9/15

Left Out: 1897.213+/-0.380 χ^2/NDF : 274710.7/15

Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.0/18

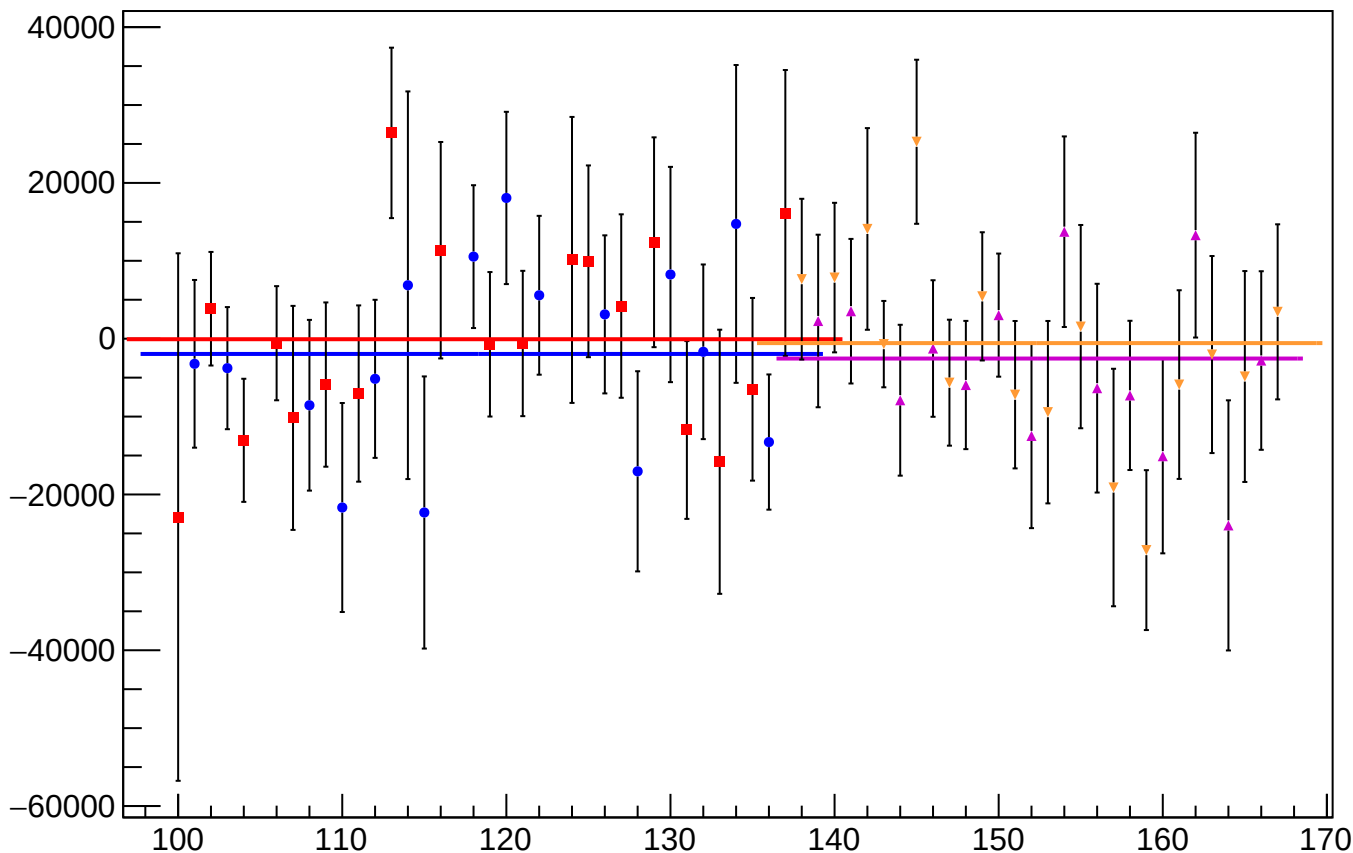
Left In: 1957.345+/-0.408 χ^2/NDF : 62073.8/13

+ sign 1827.890+/-0.293 χ^2/NDF : 722760.2/31

All: 1833.571+/-0.211 χ^2/NDF : 1256454.5/64

- sign 1839.642+/-0.303 χ^2/NDF : 532916.0/32

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559 $\pm$ 2798.309 χ^2 /NDF: 14.4/15

Left Out: -566.468 $\pm$ 2481.551 χ^2 /NDF: 19.3/15

Right Out: -68.156 $\pm$ 2529.527 χ^2 /NDF: 16.1/18

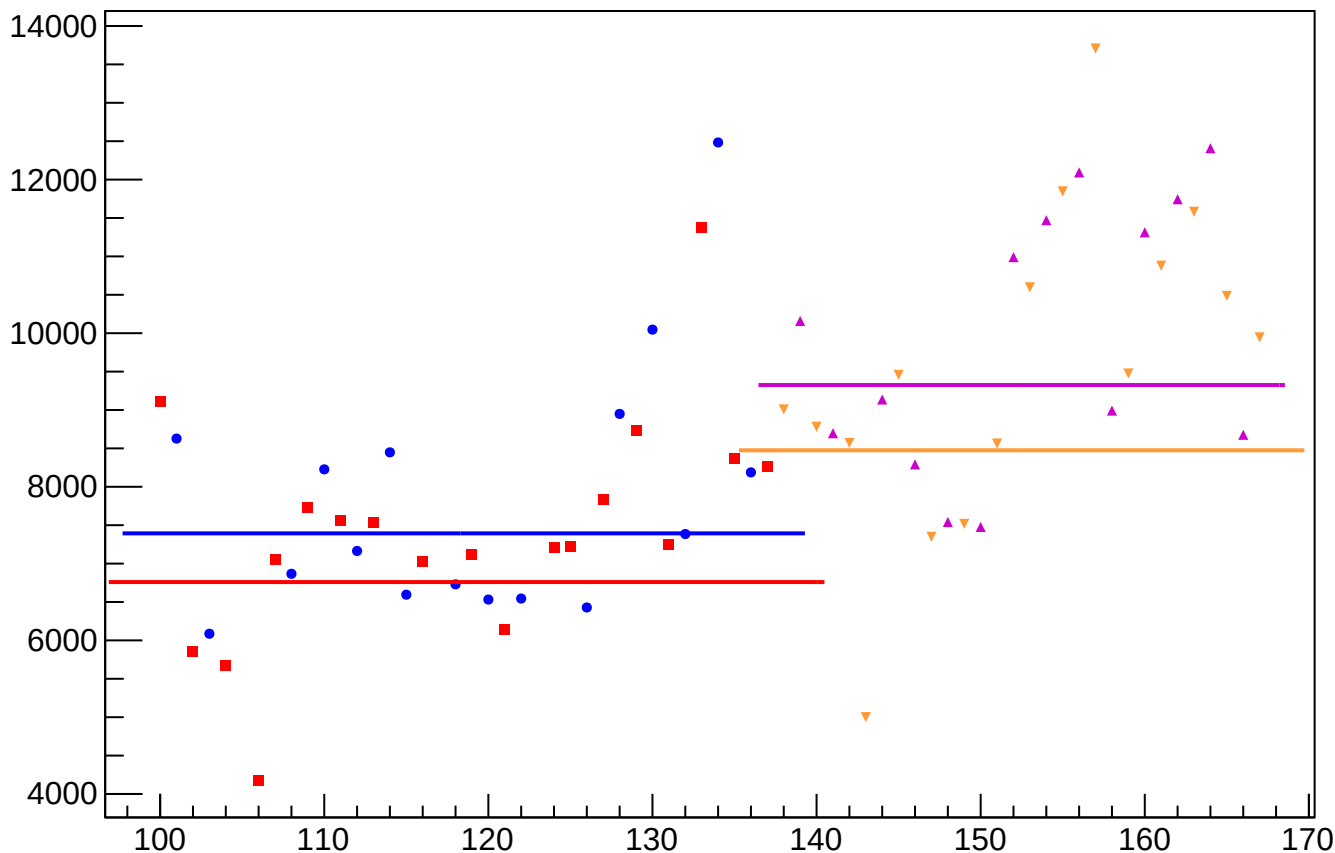
Left In: -2549.194 $\pm$ 2793.129 χ^2 /NDF: 8.7/13

+ sign -1179.297 $\pm$ 1856.655 χ^2 /NDF: 33.9/31

All: -1182.667 $\pm$ 1319.267 χ^2 /NDF: 59.1/64

- sign -1186.104 $\pm$ 1874.929 χ^2 /NDF: 25.2/32

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622 ± 1.979 χ^2/NDF : 401826.8/15

Left Out: 8475.105 ± 1.755 χ^2/NDF : 1608174.3/15

Right Out: 6759.428 ± 1.789 χ^2/NDF : 644290.9/18

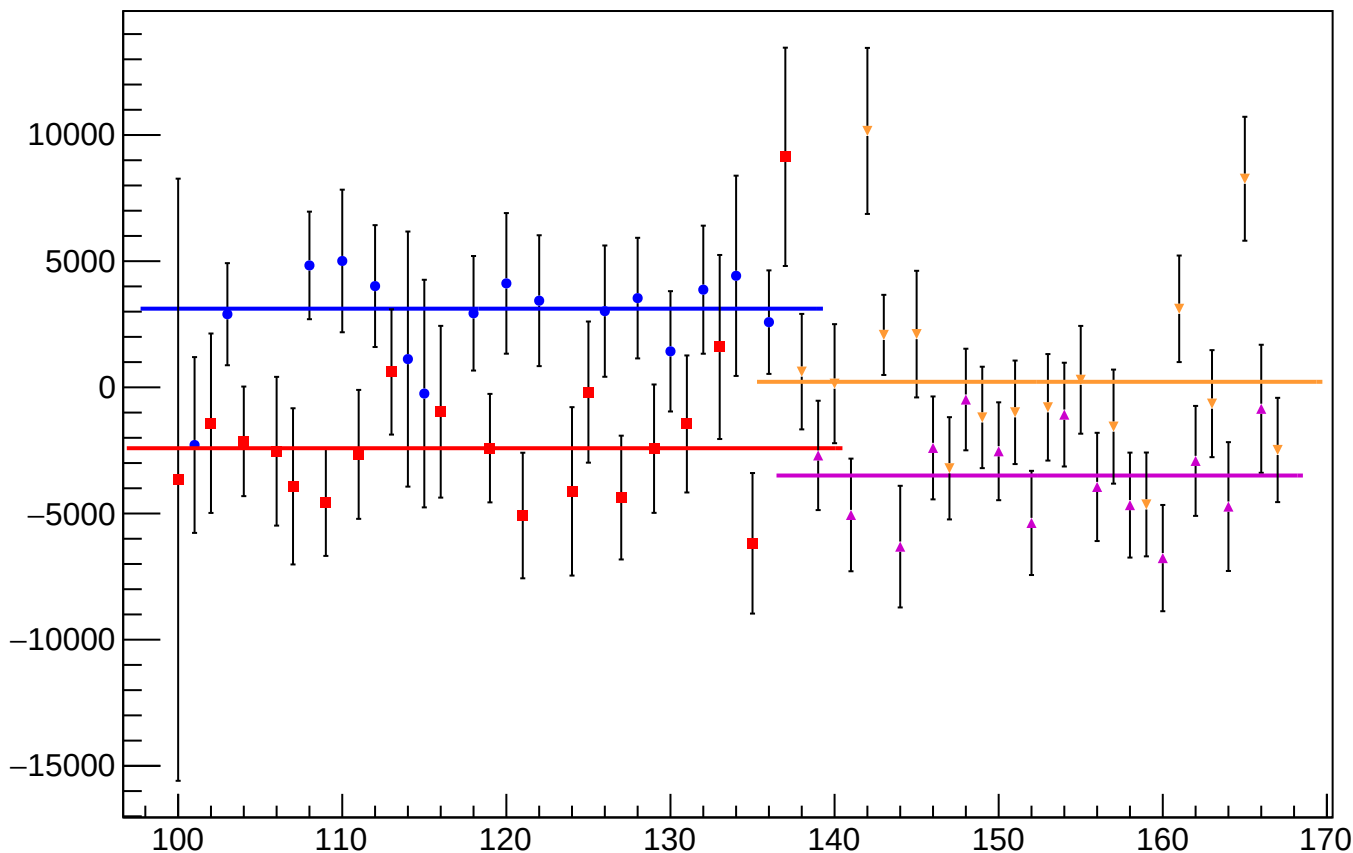
Left In: 9324.867 ± 1.975 χ^2/NDF : 639898.2/13

+ sign 7999.013 ± 1.313 χ^2/NDF : 2177223.3/31

All: 7957.619 ± 0.933 χ^2/NDF : 4390384.3/64

- sign 7915.406 ± 1.326 χ^2/NDF : 2211153.1/32

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882 ± 651.118 $\chi^2/\text{NDF}: 5.3/15$

Left Out: 219.510 ± 536.839 $\chi^2/\text{NDF}: 35.7/15$

Right Out: -2412.481 ± 639.018 $\chi^2/\text{NDF}: 16.0/18$

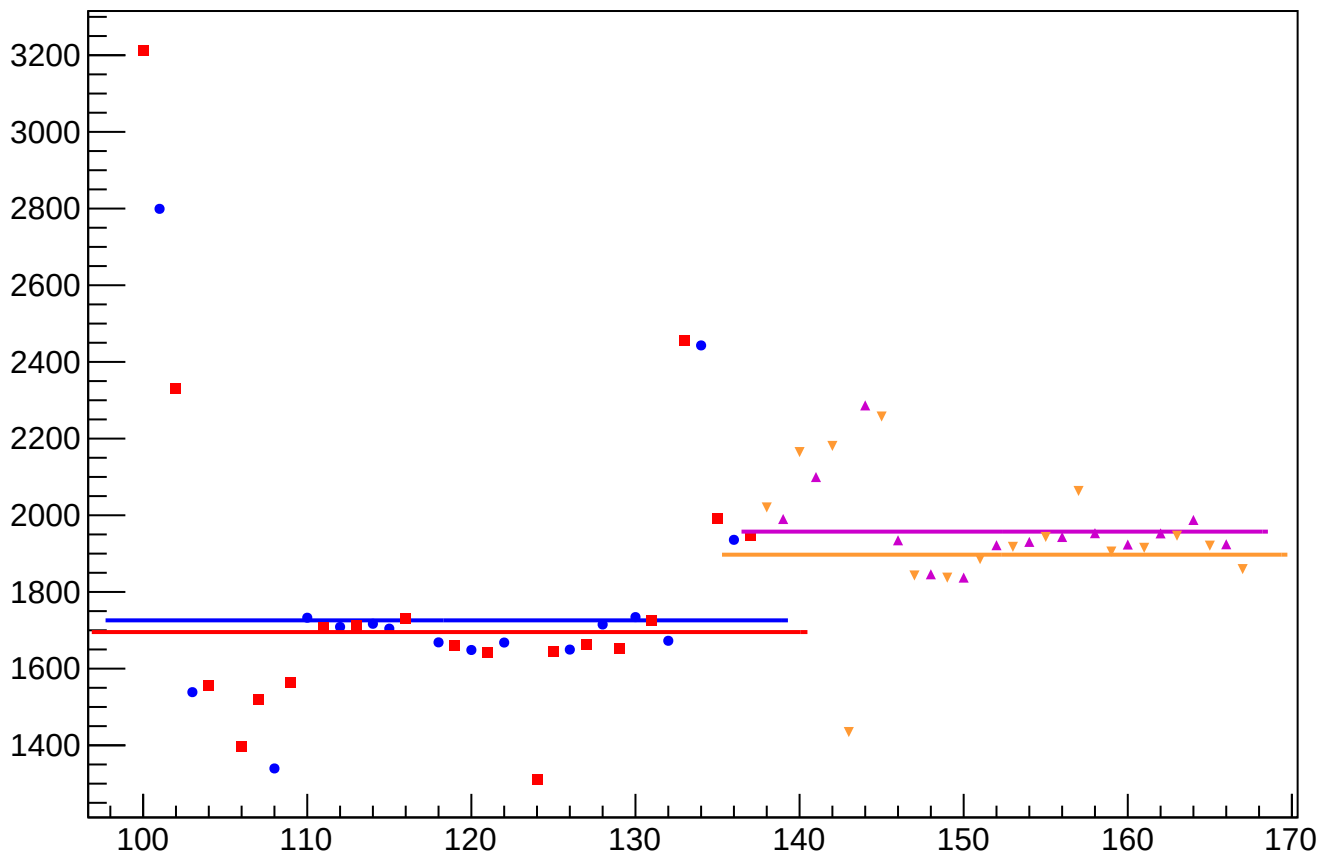
Left In: -3494.436 ± 577.007 $\chi^2/\text{NDF}: 11.1/13$

+ sign 1392.435 ± 414.208 $\chi^2/\text{NDF}: 52.8/31$

All: -734.664 ± 297.731 $\chi^2/\text{NDF}: 136.1/64$

- sign -3008.489 ± 428.255 $\chi^2/\text{NDF}: 28.7/32$

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF : 365639.0/15

Left Out: 1897.216+/-0.380 χ^2/NDF : 274712.0/15

Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.3/18

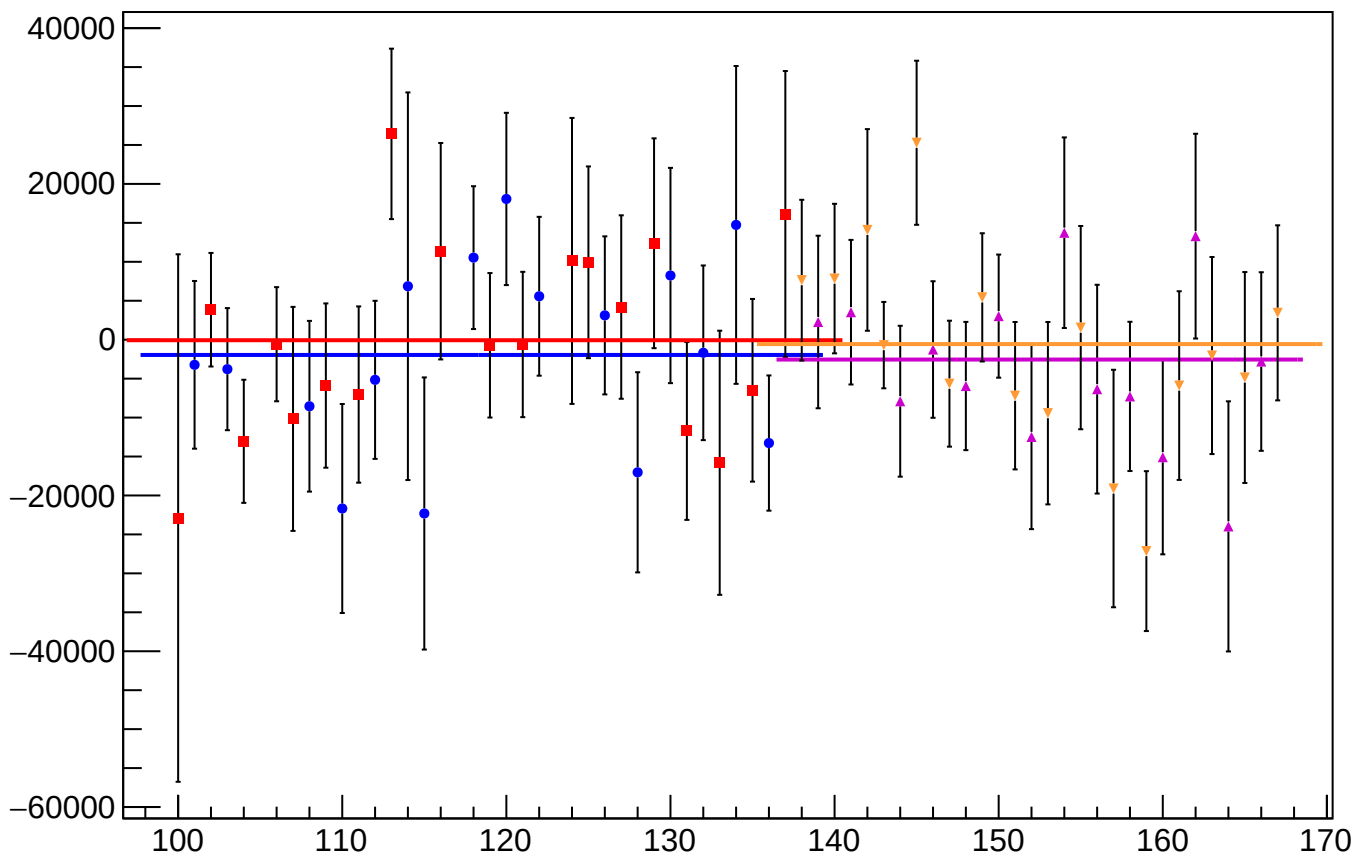
Left In: 1957.349+/-0.408 χ^2/NDF : 62074.2/13

+ sign 1827.891+/-0.293 χ^2/NDF : 722765.2/31

All: 1833.573+/-0.211 χ^2/NDF : 1256465.6/64

- sign 1839.644+/-0.303 χ^2/NDF : 532922.1/32

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538 $\pm$ 2798.302 χ^2/NDF : 14.4/15

Left Out: -566.478 $\pm$ 2481.555 χ^2/NDF : 19.3/15

Right Out: -68.163 $\pm$ 2529.521 χ^2/NDF : 16.1/18

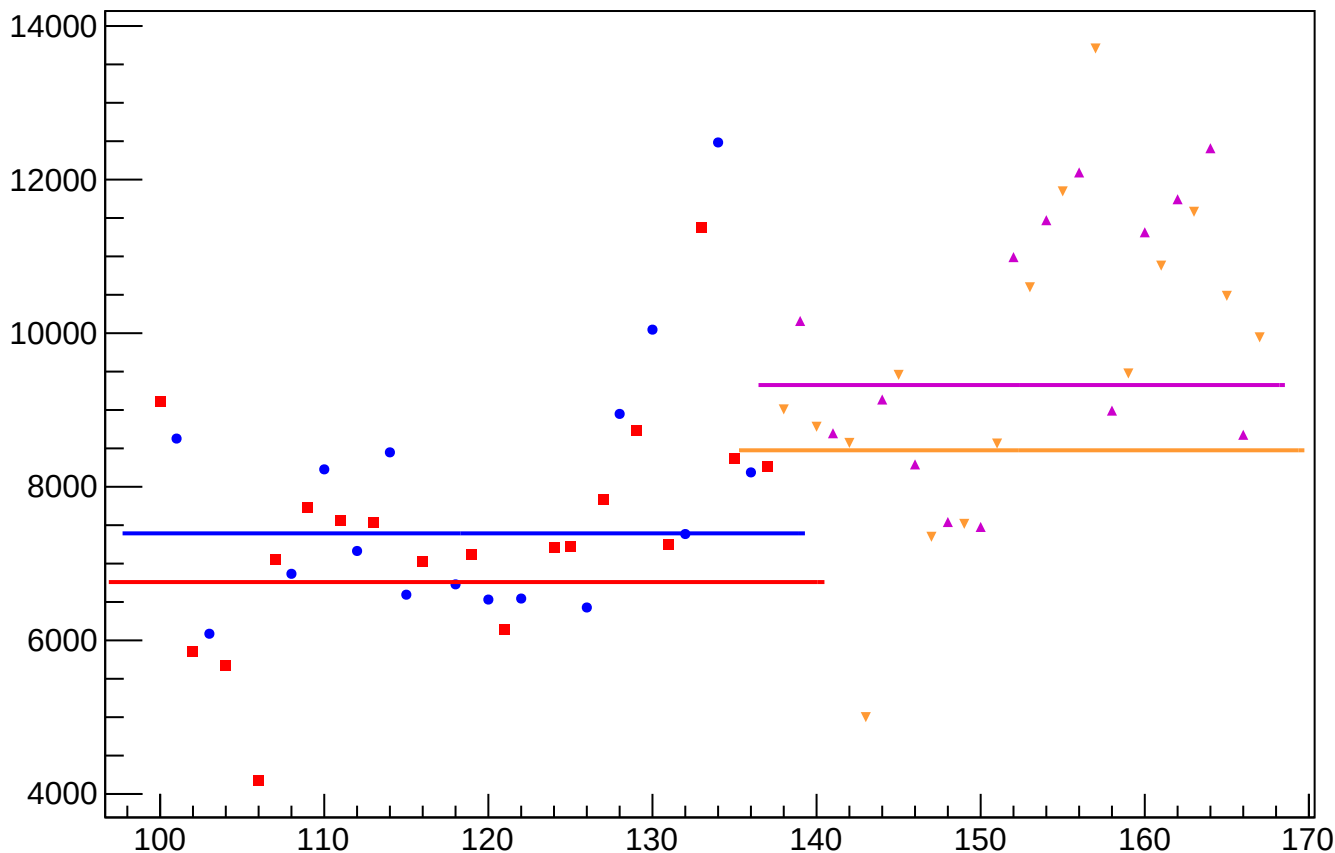
Left In: -2549.192 $\pm$ 2793.133 χ^2/NDF : 8.7/13

+ sign -1179.296 $\pm$ 1856.655 χ^2/NDF : 33.9/31

All: -1182.666 $\pm$ 1319.267 χ^2/NDF : 59.1/64

- sign -1186.102 $\pm$ 1874.928 χ^2/NDF : 25.2/32

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF : 401829.0/15

Left Out: 8475.119+/-1.755 χ^2/NDF : 1608175.3/15

Right Out: 6759.413+/-1.789 χ^2/NDF : 644289.7/18

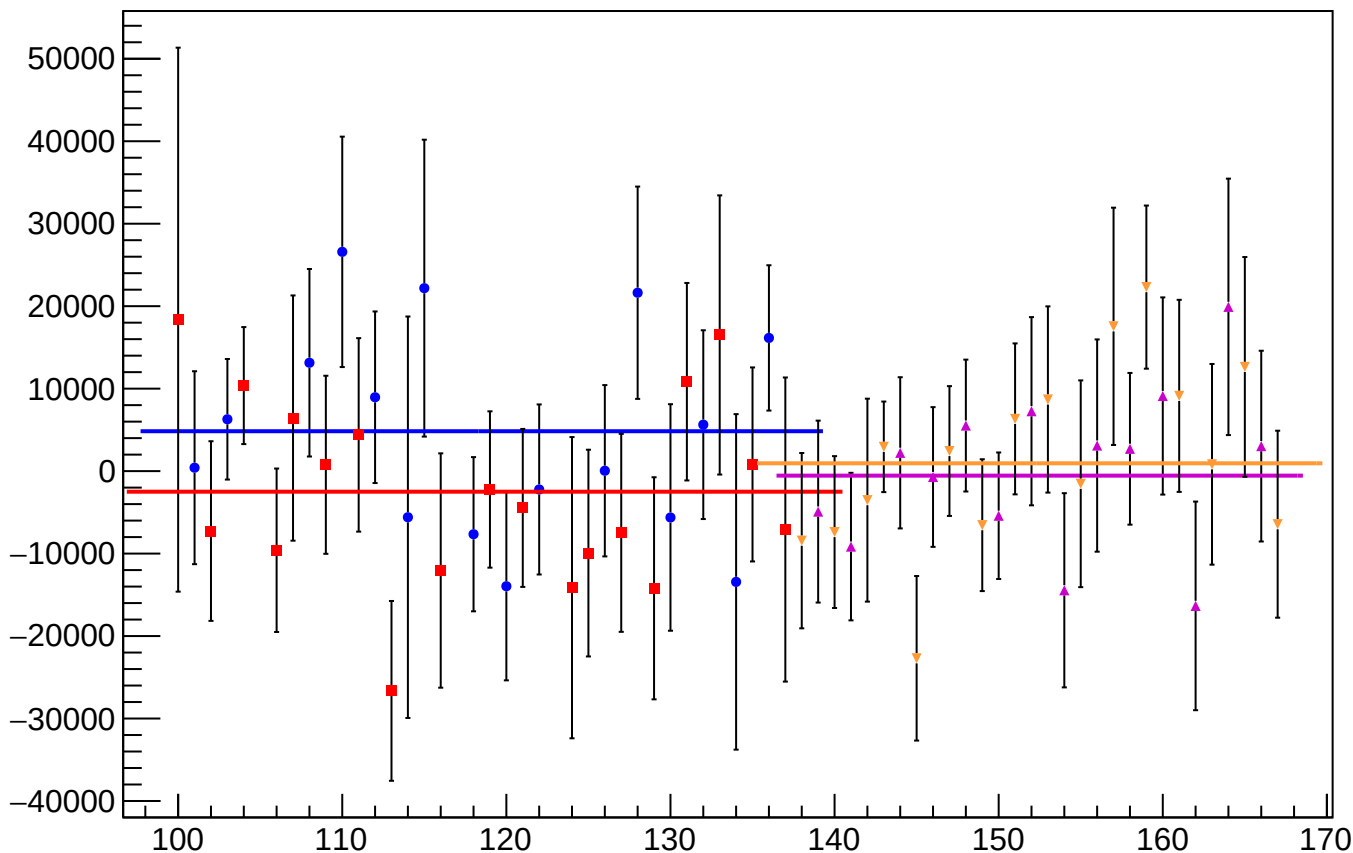
Left In: 9324.880+/-1.975 χ^2/NDF : 639899.6/13

+ sign 7999.011+/-1.313 χ^2/NDF : 2177236.4/31

All: 7957.615+/-0.933 χ^2/NDF : 4390418.2/64

- sign 7915.400+/-1.326 χ^2/NDF : 2211173.7/32

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF : 14.3/15

Left Out: 948.377+/-2418.148 χ^2/NDF : 16.9/15

+ sign 2590.466+/-1838.124 χ^2/NDF : 32.4/31

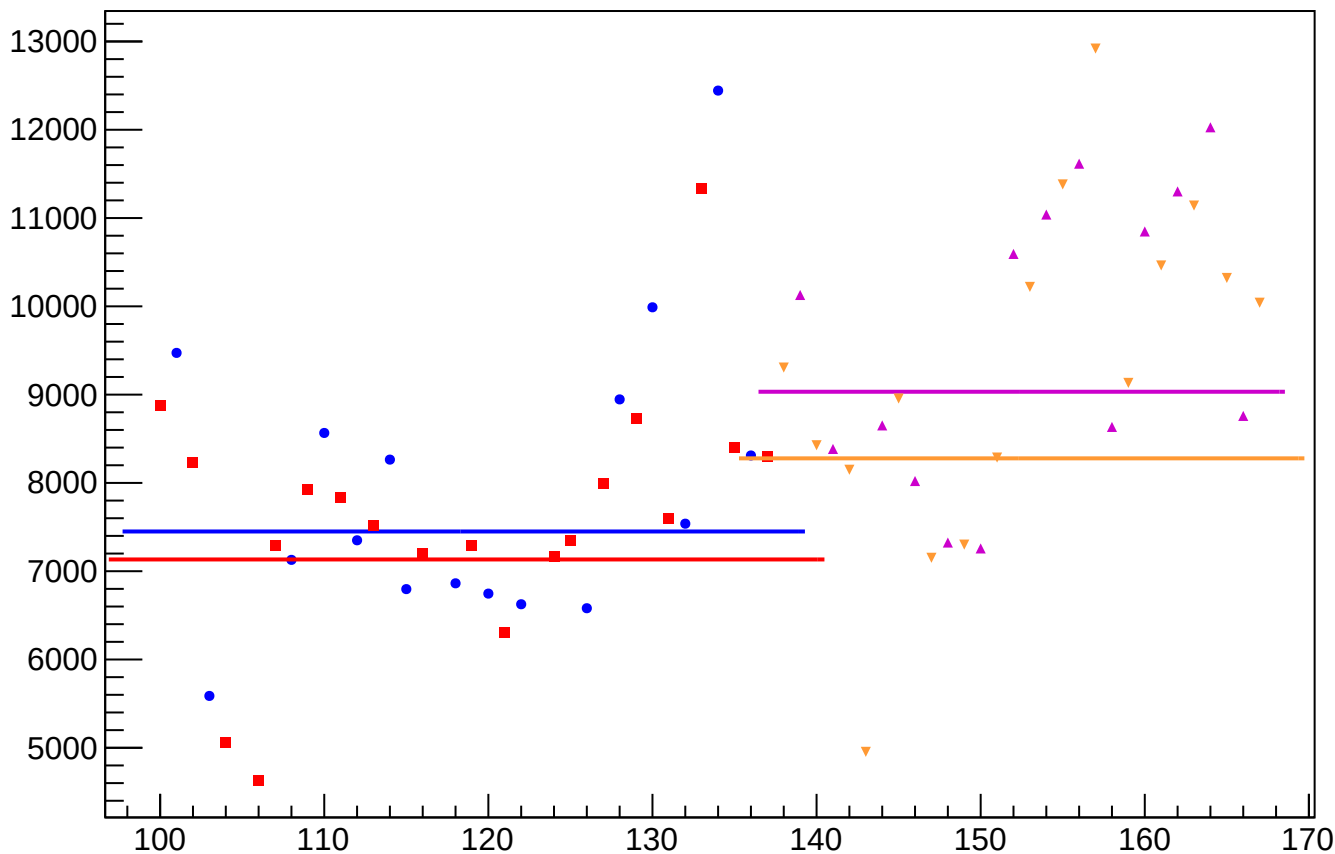
Right Out: -2495.844+/-2695.530 χ^2/NDF : 14.9/18

All: 610.529+/-1324.061 χ^2/NDF : 58.2/64

- sign -1524.792+/-1908.890 χ^2/NDF : 23.4/32

Left In: -547.886+/-2703.644 χ^2/NDF : 8.3/13

asym_at2_avg_rms vs Slug



Right In: 7449.985 ± 2.000 χ^2/NDF : 486427.7/15

Left Out: 8278.260 ± 1.710 χ^2/NDF : 1513982.3/15

Right Out: 7133.115 ± 1.906 χ^2/NDF : 556993.0/18

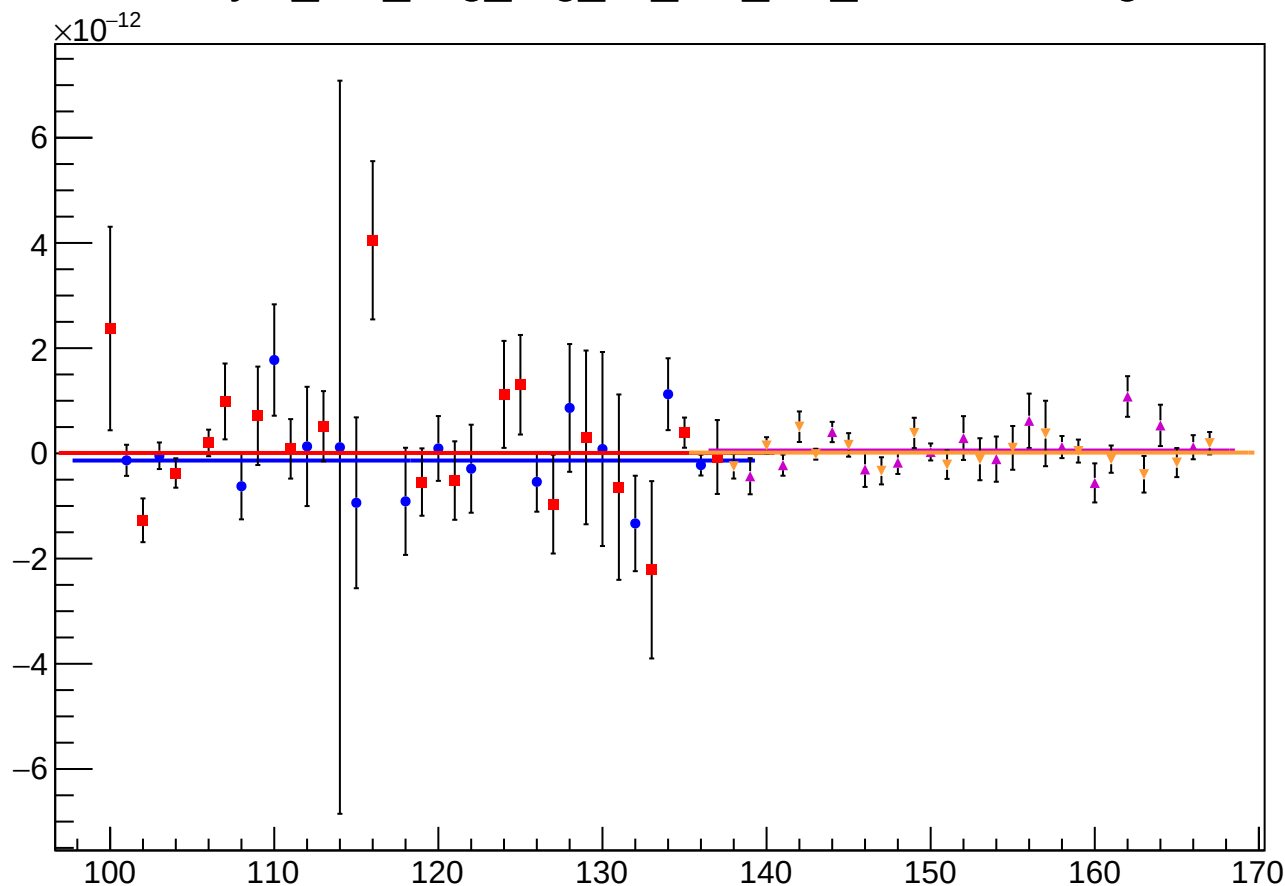
Left In: 9032.613 ± 1.912 χ^2/NDF : 626228.3/13

+ sign 7928.566 ± 1.300 χ^2/NDF : 2099476.5/31

All: 8001.399 ± 0.936 χ^2/NDF : 3784346.5/64

- sign 8079.943 ± 1.350 χ^2/NDF : 1678343.7/32

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 : 12.8/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.8/18

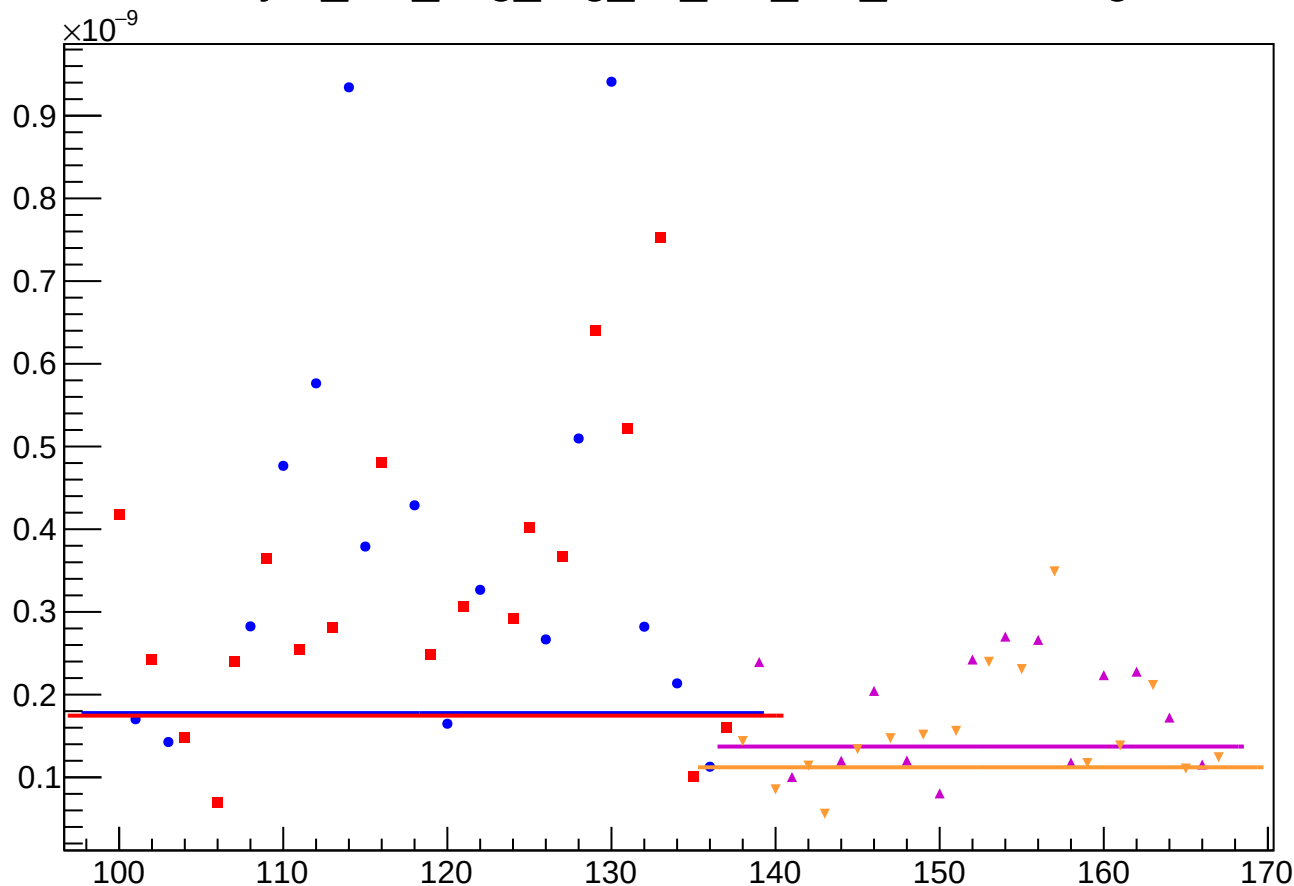
Left In: 0.000 ± 0.000 χ^2/NDF : 22.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 25.7/31

All: 0.000 ± 0.000 χ^2/NDF : 81.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 55.6/32

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1530066.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1678878.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1641366.3/18

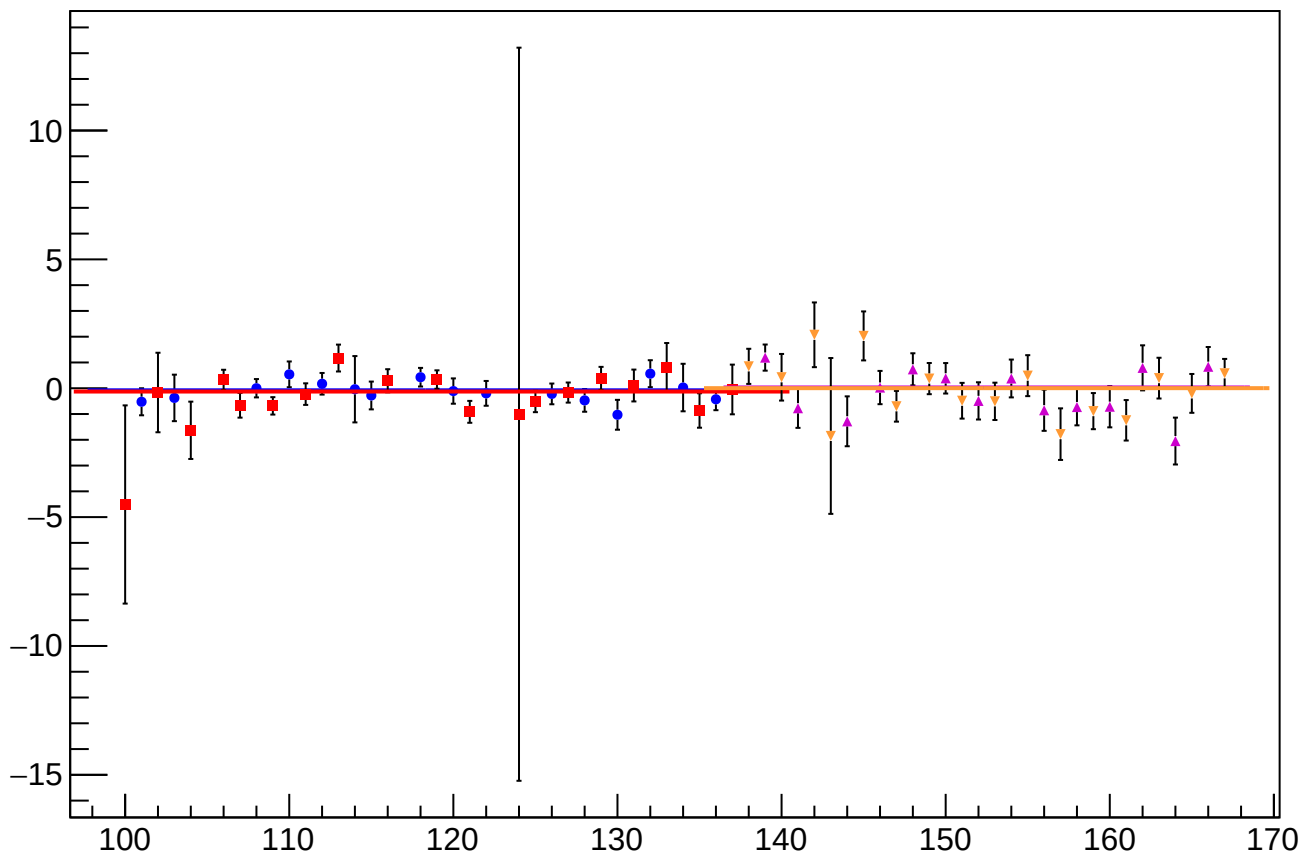
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1311494.4/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3699310.3/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6952009.0/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3092663.0/32

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.003 ± 0.190 χ^2/NDF : 21.2/15

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

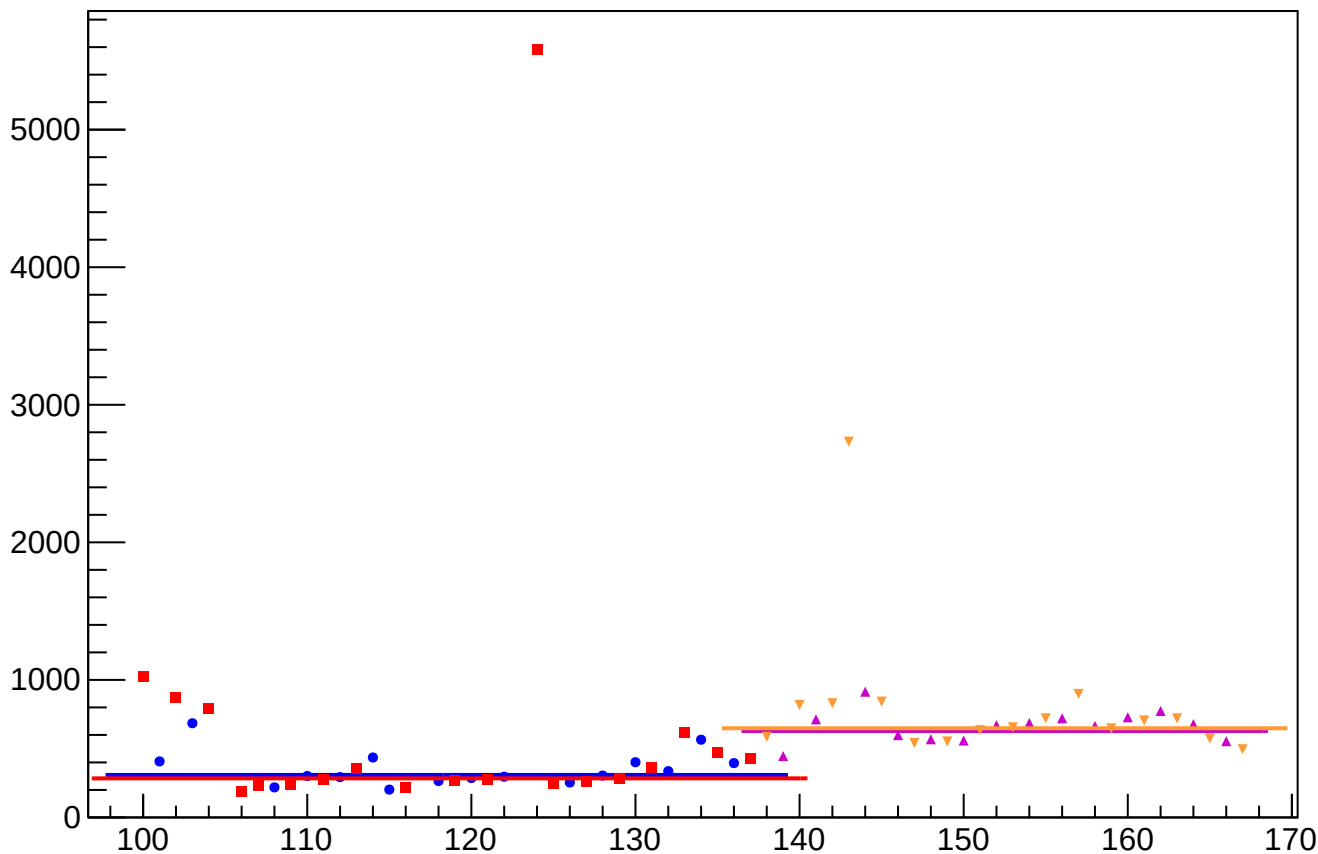
Left In: 0.030 ± 0.190 χ^2/NDF : 20.9/13

+ sign -0.056 ± 0.103 χ^2/NDF : 32.1/31

All: -0.070 ± 0.071 χ^2/NDF : 78.8/64

- sign -0.084 ± 0.100 χ^2/NDF : 46.7/32

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093 ± 0.086 χ^2/NDF : 1014604.9/15

Left Out: 648.408 ± 0.135 χ^2/NDF : 1612763.3/15

Right Out: 284.189 ± 0.083 χ^2/NDF : 1856451.4/18

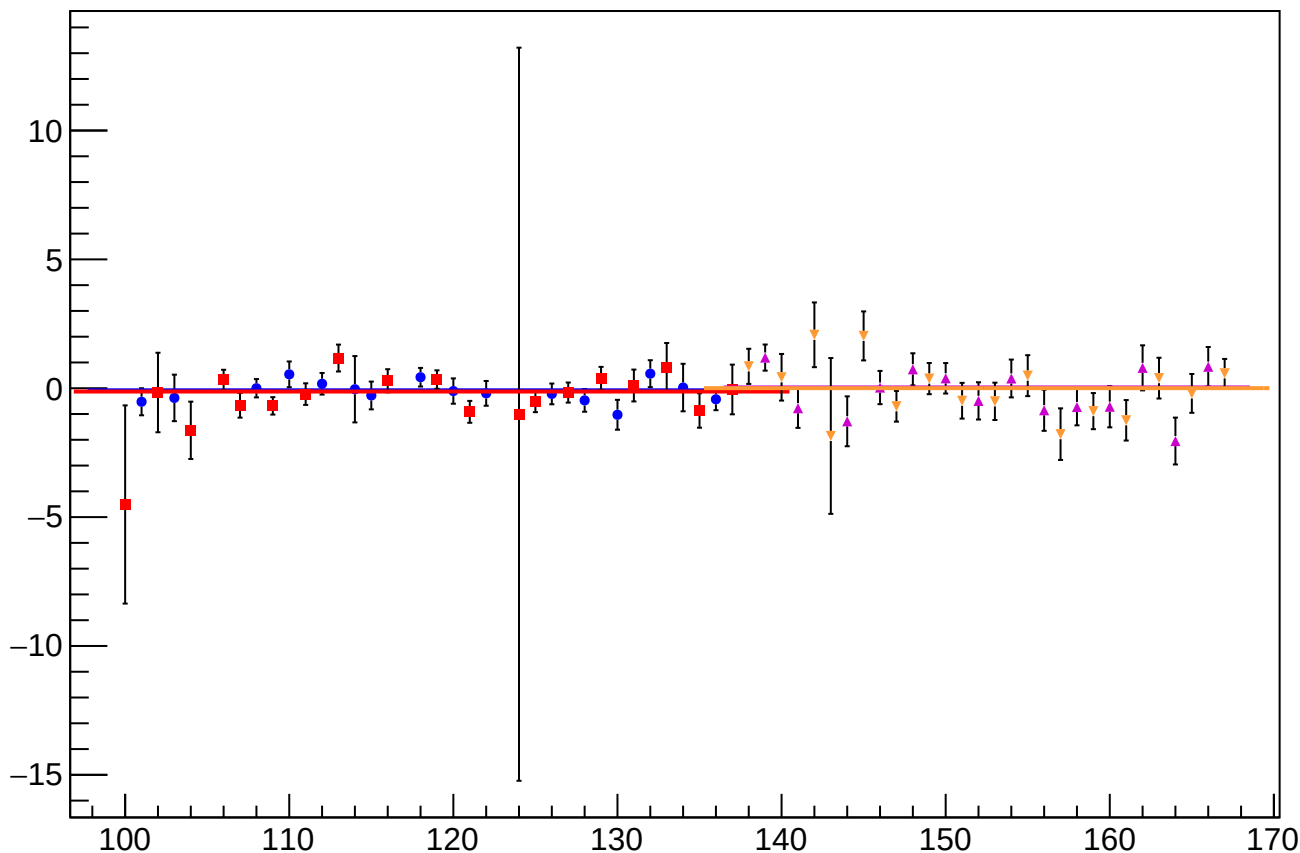
Left In: 628.810 ± 0.135 χ^2/NDF : 669990.6/13

+ sign 407.645 ± 0.073 χ^2/NDF : 7130673.0/31

All: 392.697 ± 0.051 χ^2/NDF : 14501423.3/64

- sign 378.621 ± 0.070 χ^2/NDF : 7288409.1/32

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: 0.003 ± 0.190 χ^2/NDF : 21.2/15

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

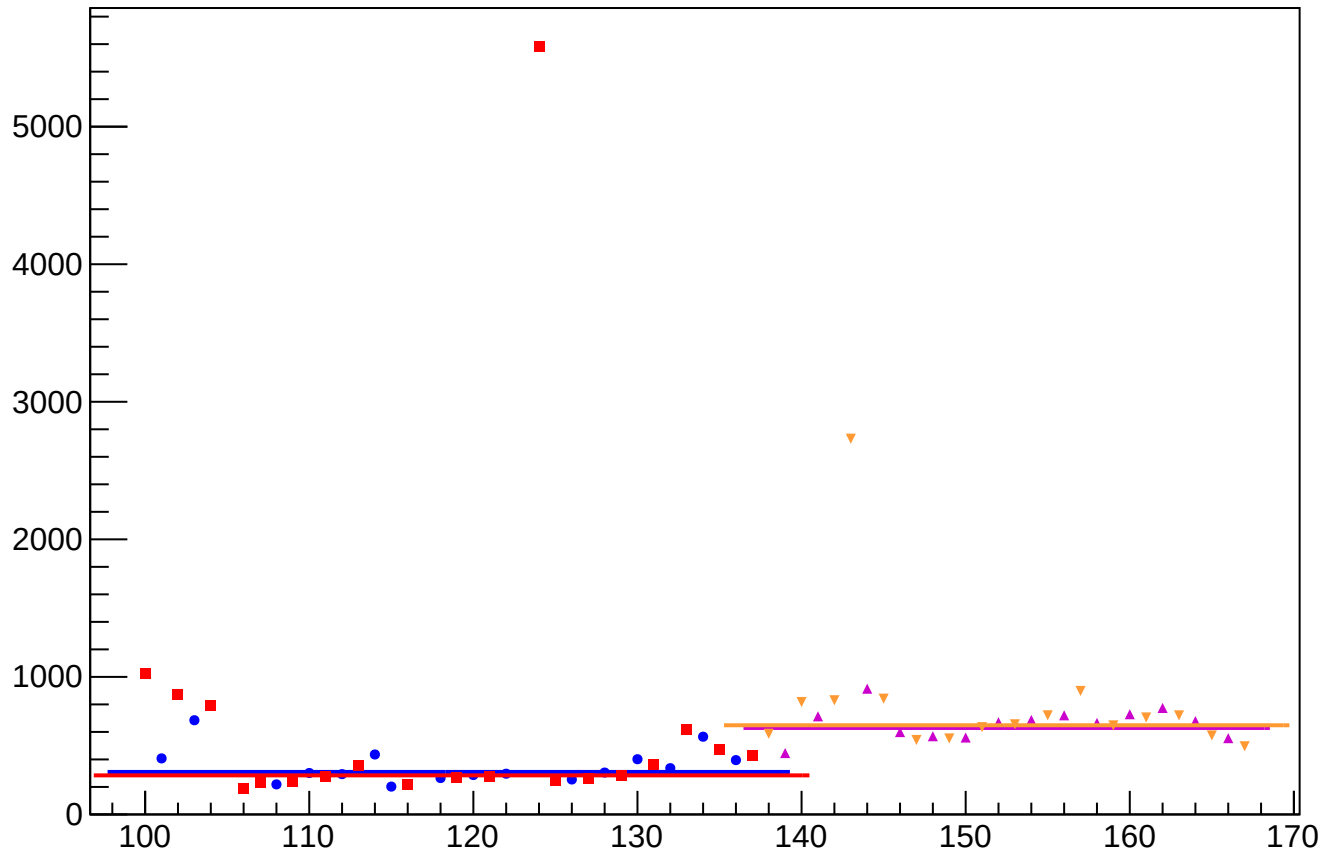
Left In: 0.030 ± 0.190 χ^2/NDF : 20.9/13

+ sign -0.056 ± 0.103 χ^2/NDF : 32.1/31

All: -0.070 ± 0.071 χ^2/NDF : 78.8/64

- sign -0.084 ± 0.100 χ^2/NDF : 46.7/32

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2 /NDF: 1014604.9/15

Left Out: 648.408+/-0.135 χ^2 /NDF:1612763.3/15

Right Out: 284.189+/-0.083 χ^2 /NDF: 1856451.4/18

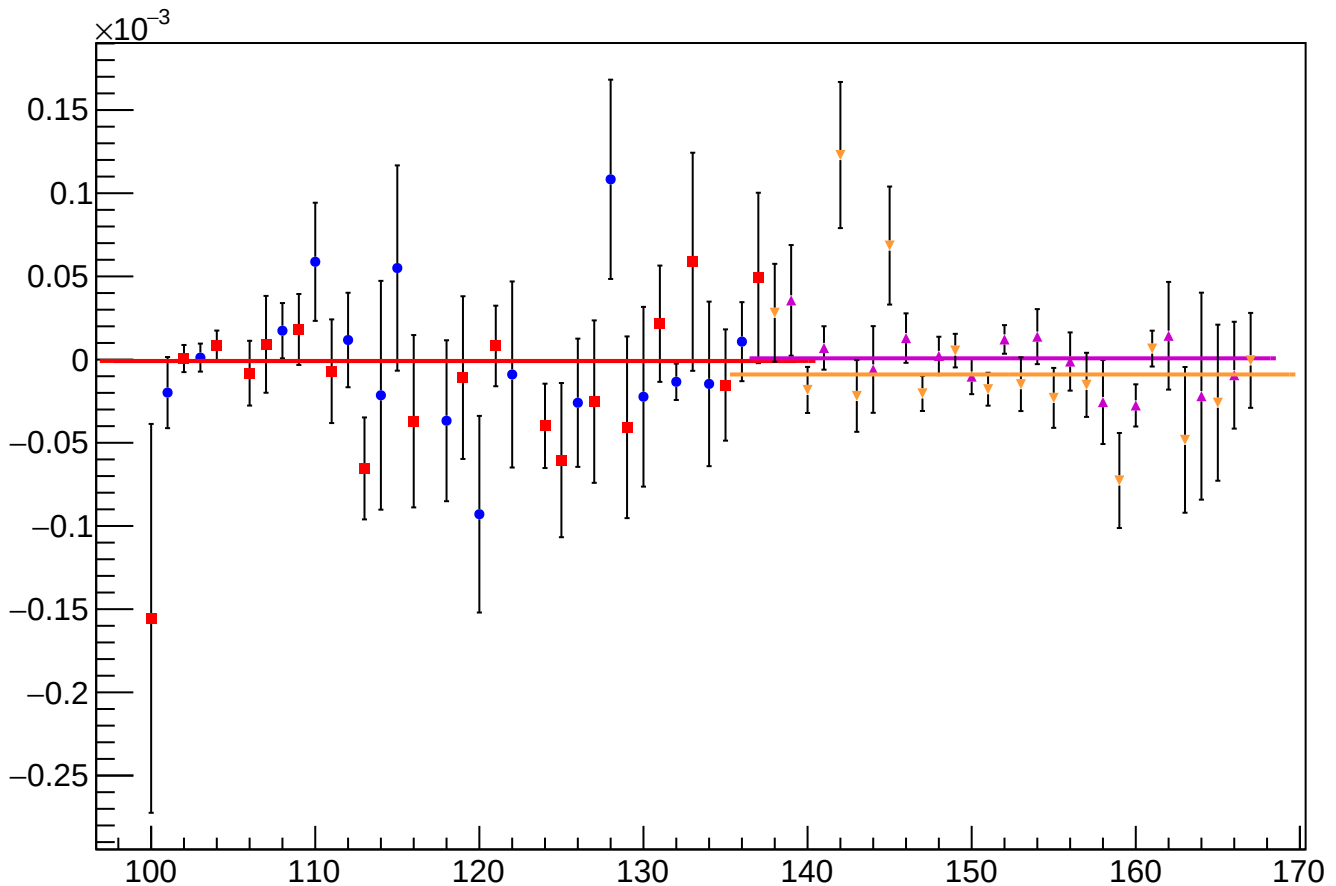
Left In: 628.810+/-0.135 χ^2 /NDF:669990.6/13

+ sign 407.645+/-0.073 χ^2 /NDF: 7130673.0/31

All: 392.697+/-0.051 χ^2 /NDF: 14501423.3/64

- sign 378.621+/-0.070 χ^2 /NDF: 7288409.1/32

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 14.5/15$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 29.1/15$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 16.1/18$

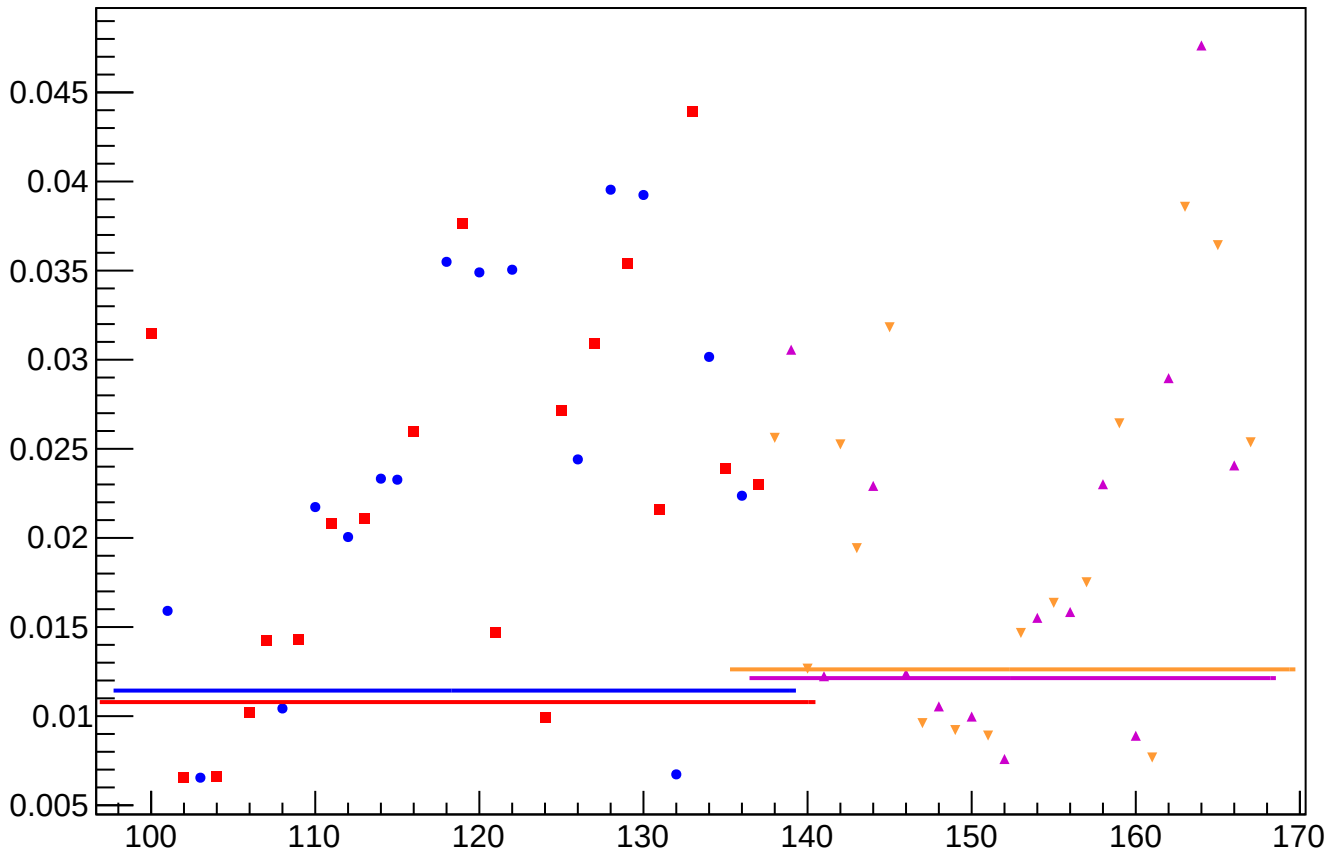
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 12.0/13$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 45.1/31$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 75.1/64$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 28.2/32$

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 4699938.2/15

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 4765077.2/15

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 4473688.9/18

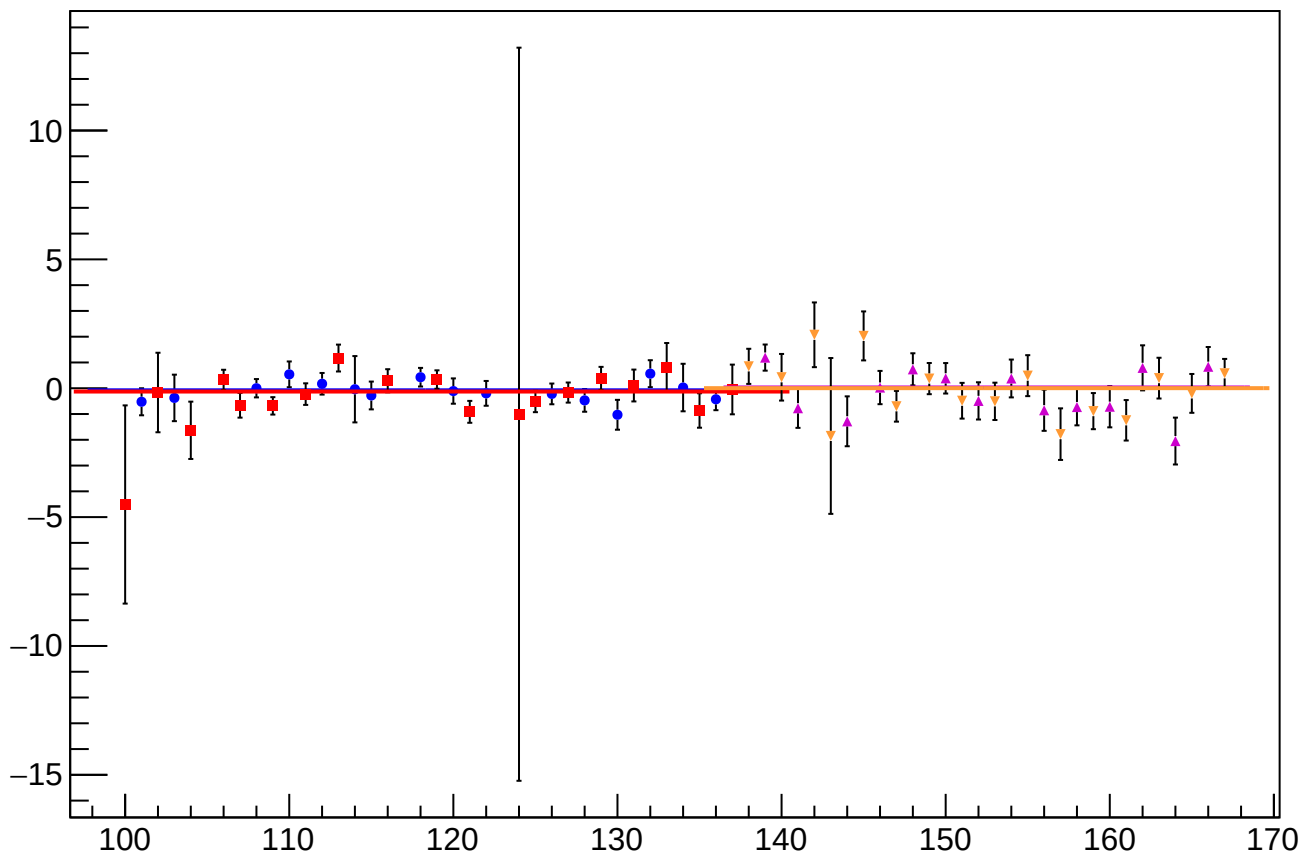
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 3779191.0/13

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 9528199.4/31

All: 0.012 $\pm$ 0.000 χ^2/NDF : 17908183.1/64

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 8342839.7/32

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: 0.003 ± 0.190 χ^2/NDF : 21.2/15

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

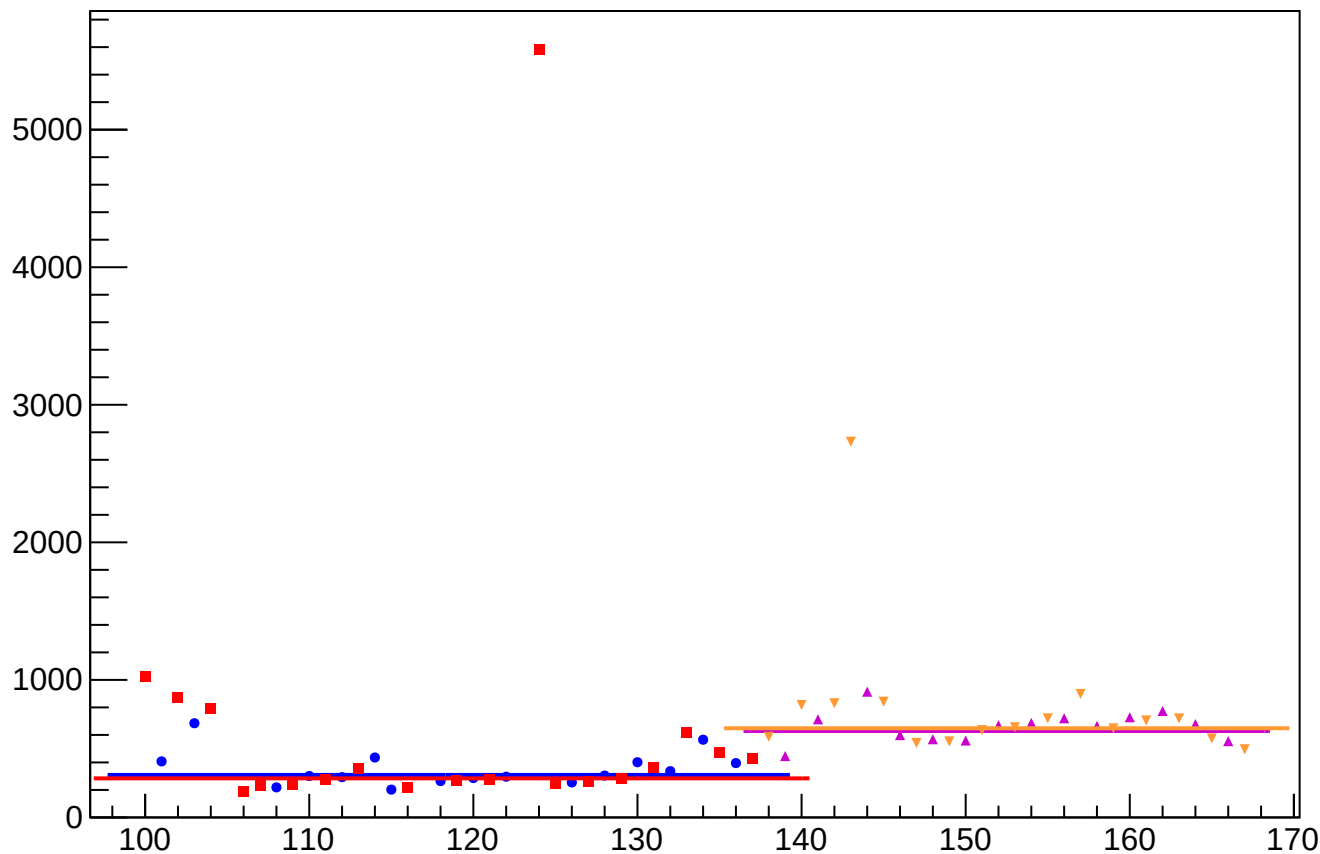
Left In: 0.030 ± 0.190 χ^2/NDF : 20.9/13

+ sign -0.056 ± 0.103 χ^2/NDF : 32.1/31

All: -0.070 ± 0.071 χ^2/NDF : 78.8/64

- sign -0.084 ± 0.100 χ^2/NDF : 46.7/32

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093 $\pm$ 0.086 χ^2 /NDF: 1014573.4/15

Left Out: 648.417 $\pm$ 0.135 χ^2 /NDF: 1612770.0/15

Right Out: 284.188 $\pm$ 0.083 χ^2 /NDF: 1856434.1/18

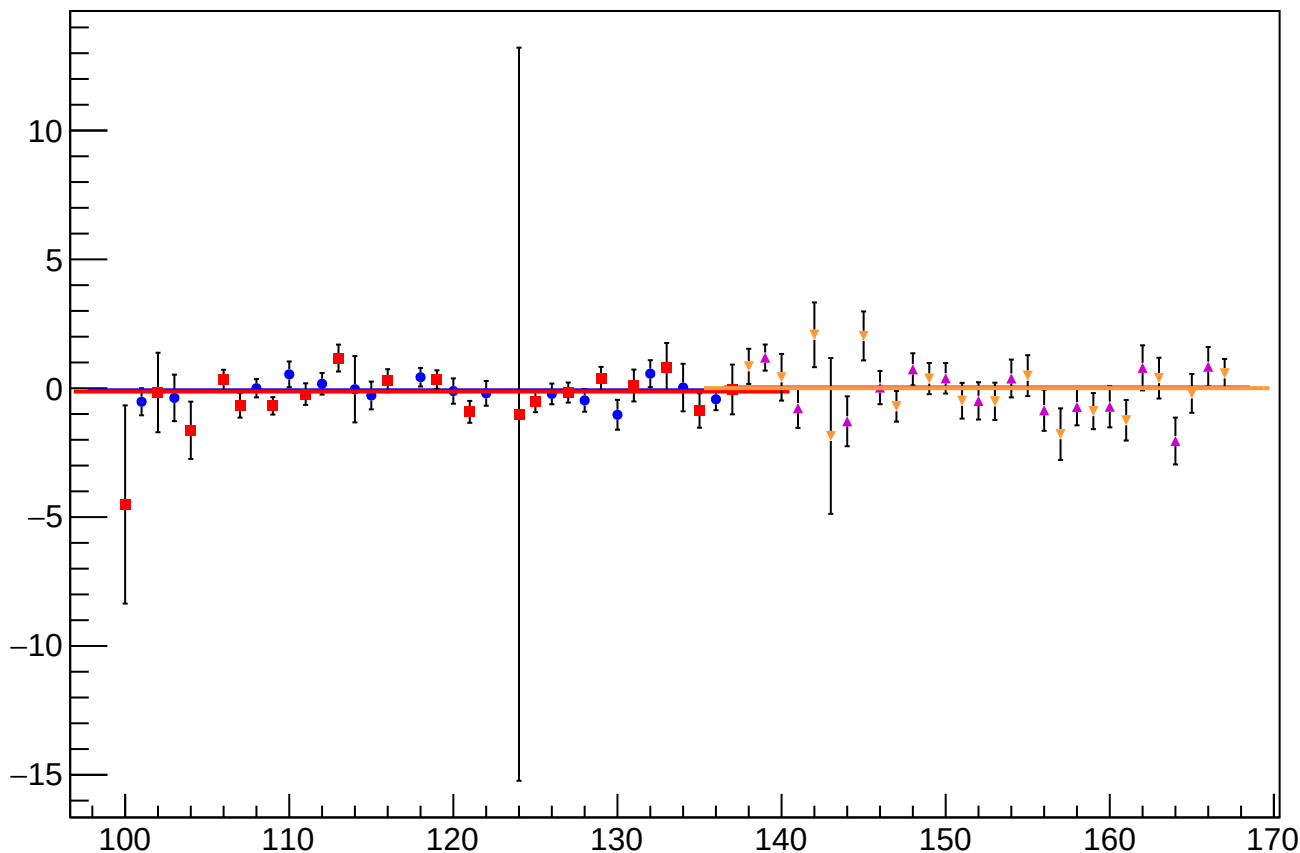
Left In: 628.820 $\pm$ 0.135 χ^2 /NDF: 669983.8/13

+ sign 407.645 $\pm$ 0.073 χ^2 /NDF: 7130831.9/31

All: 392.697 $\pm$ 0.051 χ^2 /NDF: 14501741.6/64

- sign 378.621 $\pm$ 0.070 χ^2 /NDF: 7288568.4/32

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: 0.003 ± 0.190 χ^2/NDF : 21.2/15

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

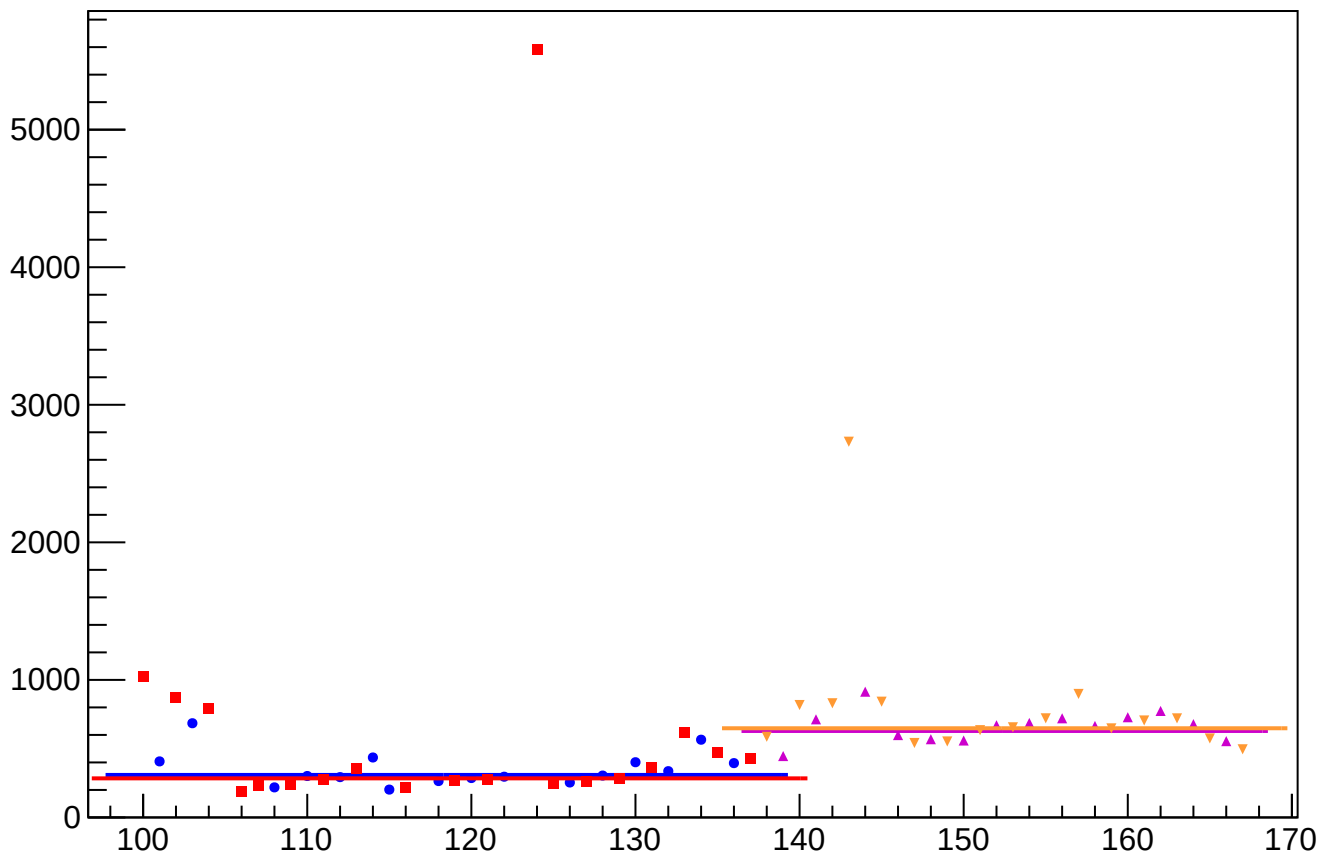
Left In: 0.030 ± 0.190 χ^2/NDF : 20.9/13

+ sign -0.056 ± 0.103 χ^2/NDF : 32.1/31

All: -0.070 ± 0.071 χ^2/NDF : 78.8/64

- sign -0.084 ± 0.100 χ^2/NDF : 46.7/32

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093 $\pm$ 0.086 χ^2 /NDF: 1014573.4/15

Left Out: 648.417 $\pm$ 0.135 χ^2 /NDF: 1612770.0/15

Right Out: 284.188 $\pm$ 0.083 χ^2 /NDF: 1856434.1/18

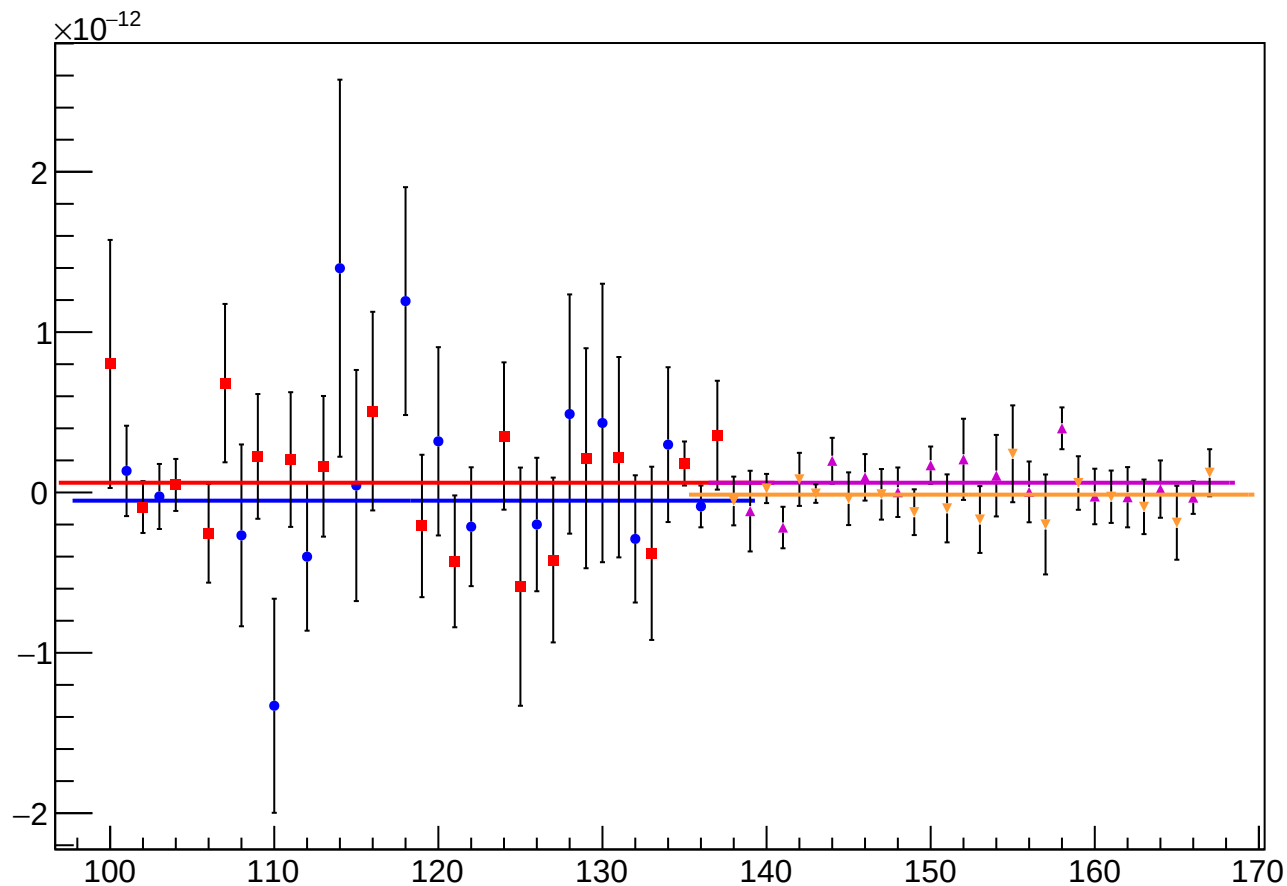
Left In: 628.820 $\pm$ 0.135 χ^2 /NDF: 669983.8/13

+ sign 407.645 $\pm$ 0.073 χ^2 /NDF: 7130831.9/31

All: 392.697 $\pm$ 0.051 χ^2 /NDF: 14501741.6/64

- sign 378.621 $\pm$ 0.070 χ^2 /NDF: 7288568.4/32

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 : 4.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 11.4/18

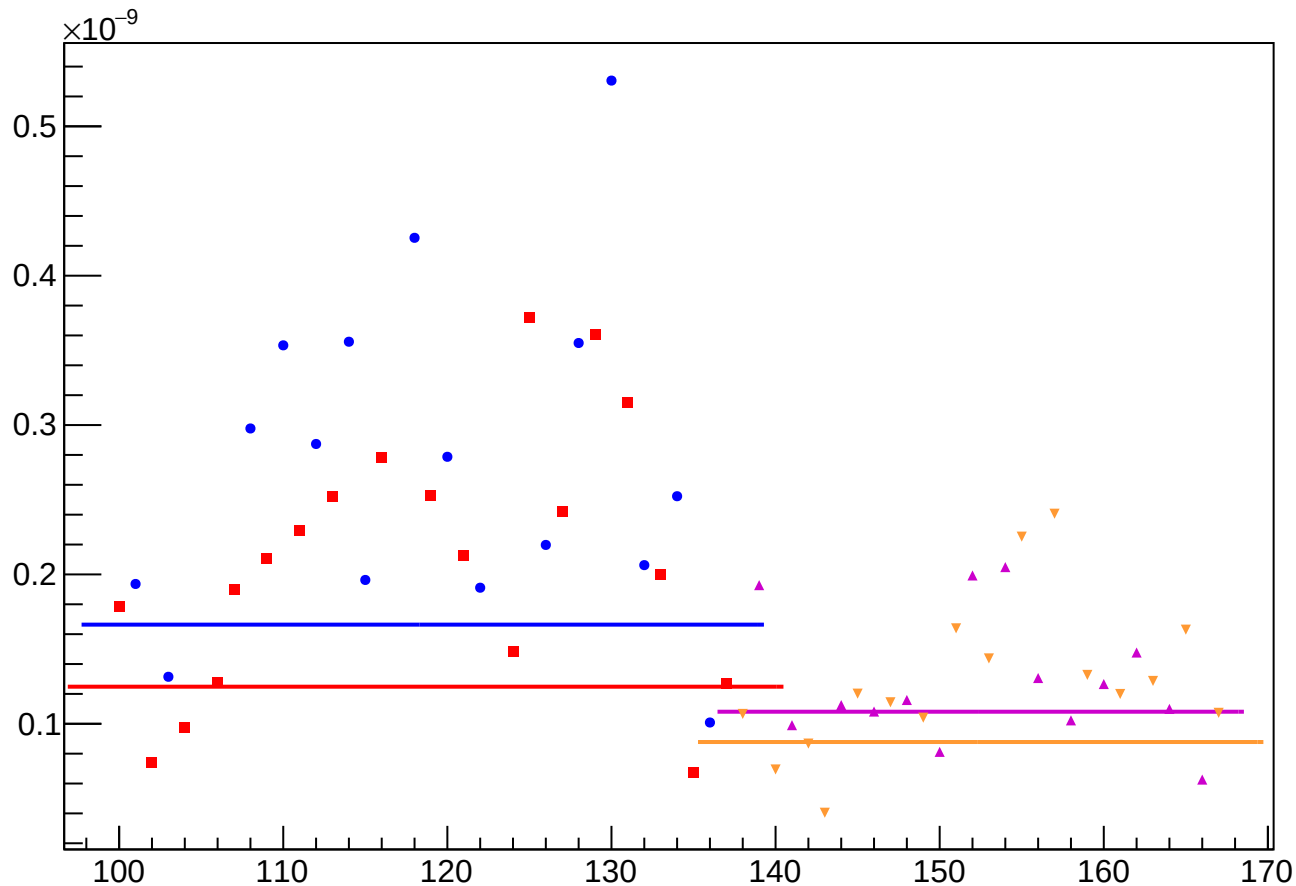
Left In: 0.000+/-0.000 χ^2/NDF : 15.7/13

+ sign -0.000+/-0.000 χ^2/NDF : 17.0/31

All: 0.000+/-0.000 χ^2/NDF : 46.9/64

- sign 0.000+/-0.000 χ^2/NDF : 27.2/32

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 : 3504522.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2209554.2/18

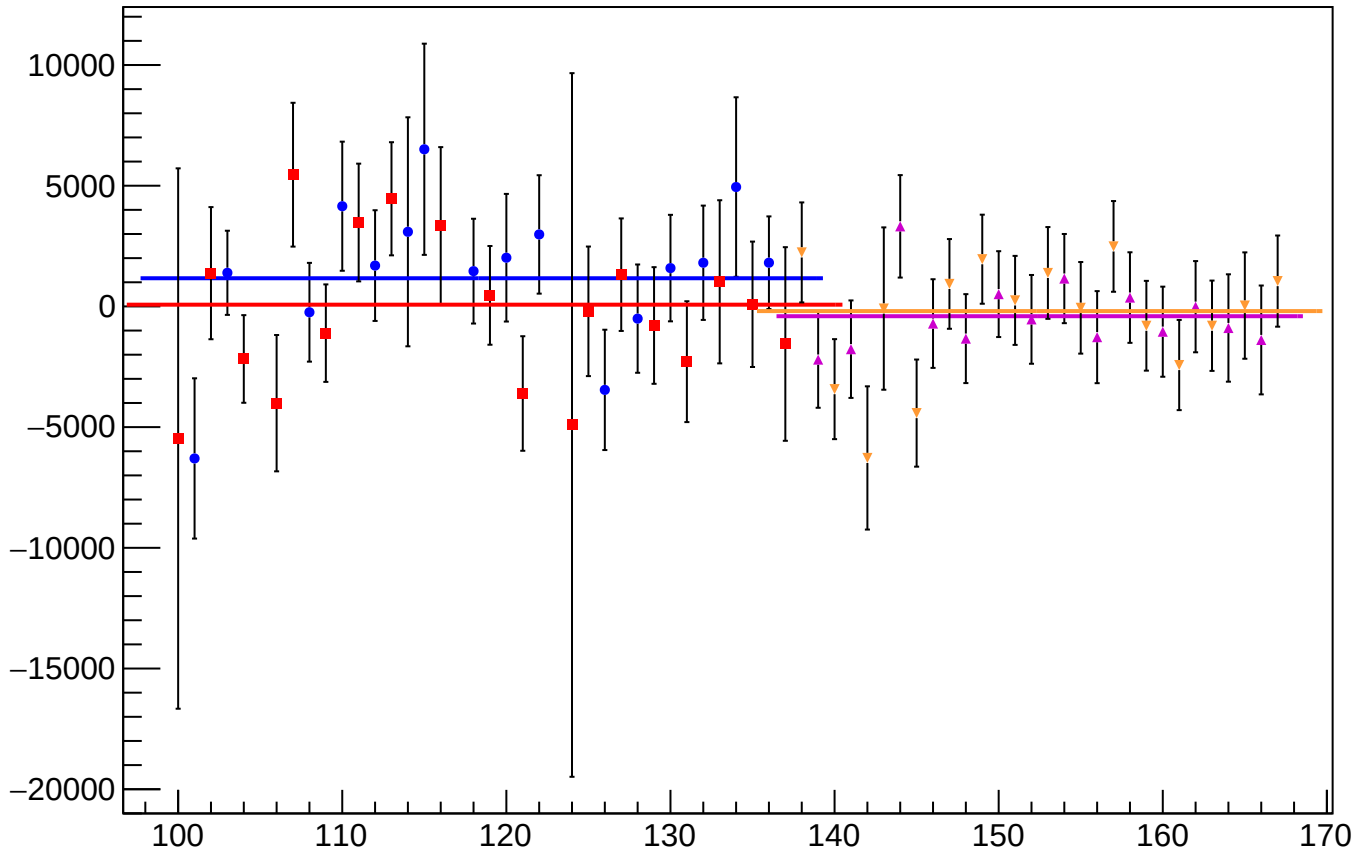
Left In: 0.000+/-0.000 χ^2/NDF : 1443100.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 6978828.1/31

All: 0.000+/-0.000 χ^2/NDF : 10882074.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3737890.5/32

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: -193.498 $\pm$ 504.124 χ^2 /NDF:18.2/15

Right Out: 72.181 $\pm$ 603.362 χ^2 /NDF: 18.3/18

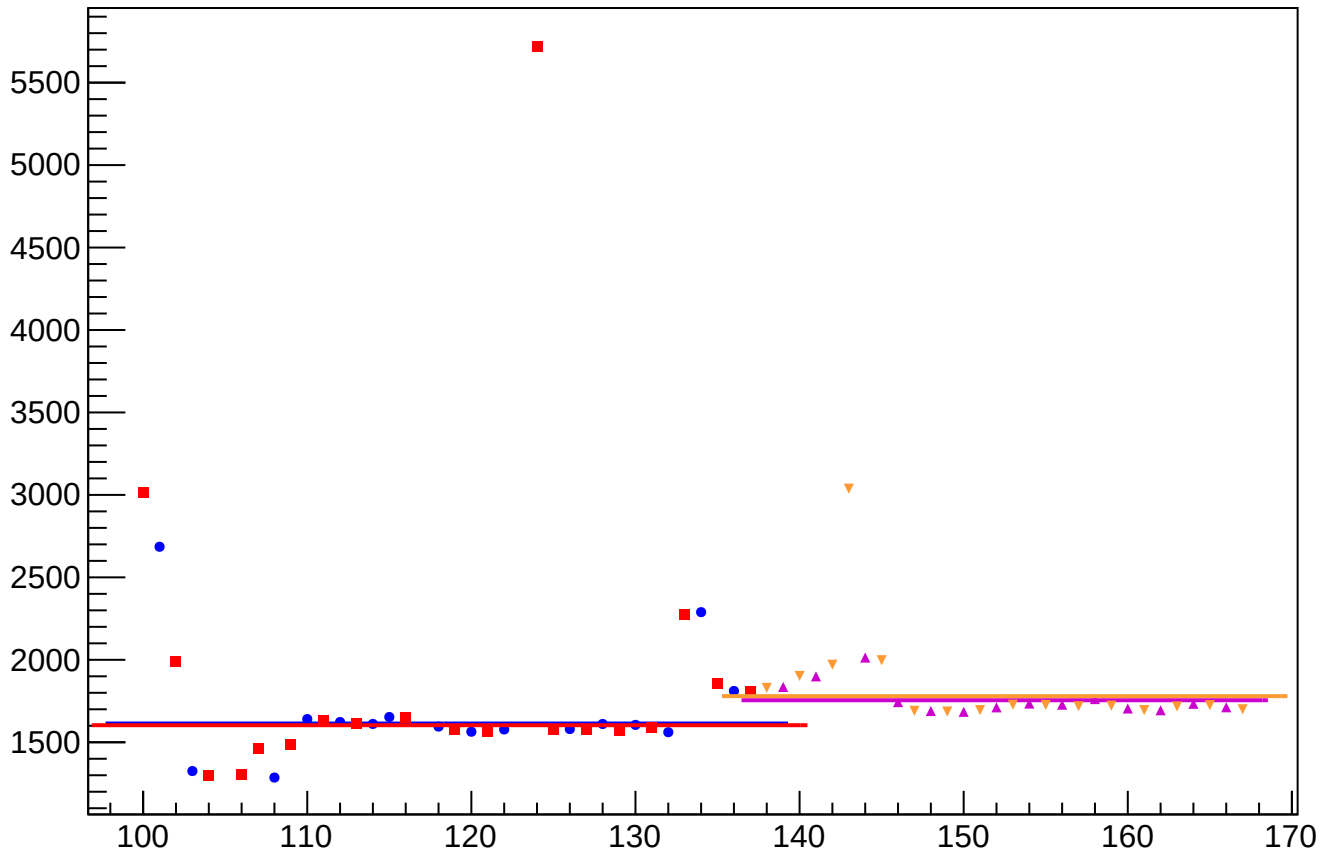
Left In: -405.731 $\pm$ 517.097 χ^2 /NDF:6.4/13

+ sign 359.455 $\pm$ 388.380 χ^2 /NDF: 35.6/31

All: 81.115 $\pm$ 276.117 χ^2 /NDF: 61.7/64

- sign -203.353 $\pm$ 392.632 χ^2 /NDF: 25.0/32

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF : 404688.5/15

Left Out: 1779.722+/-0.356 χ^2/NDF : 347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF : 425793.5/18

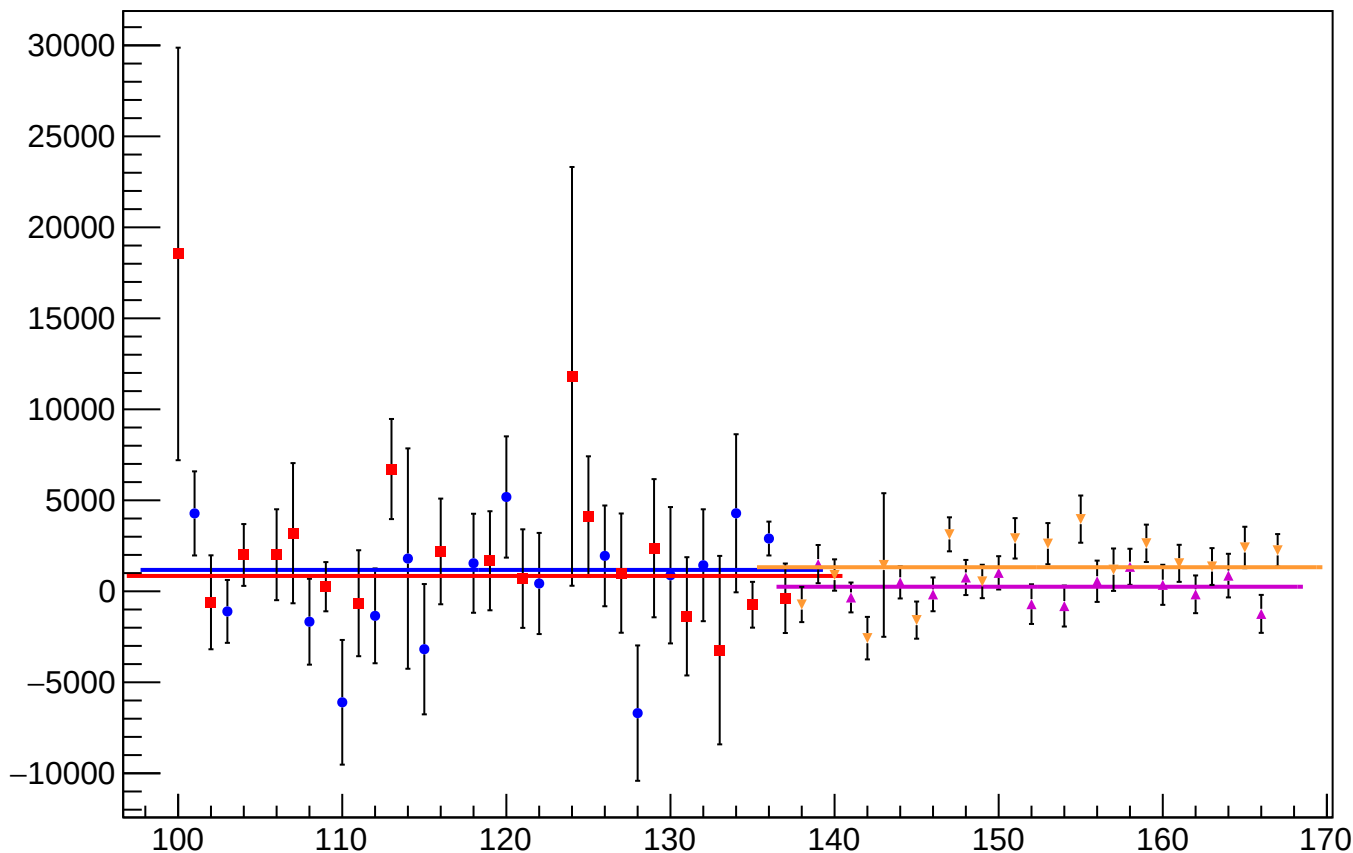
Left In: 1754.985+/-0.366 χ^2/NDF : 55156.4/13

+ sign 1712.228+/-0.275 χ^2/NDF : 840749.6/31

All: 1701.641+/-0.195 χ^2/NDF : 1397423.4/64

- sign 1690.822+/-0.278 χ^2/NDF : 553669.2/32

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479 $\pm$ 579.062 χ^2/NDF : 22.0/15

Left Out: 1323.348 $\pm$ 264.065 χ^2/NDF : 39.6/15

Right Out: 843.857 $\pm$ 557.438 χ^2/NDF : 14.3/18

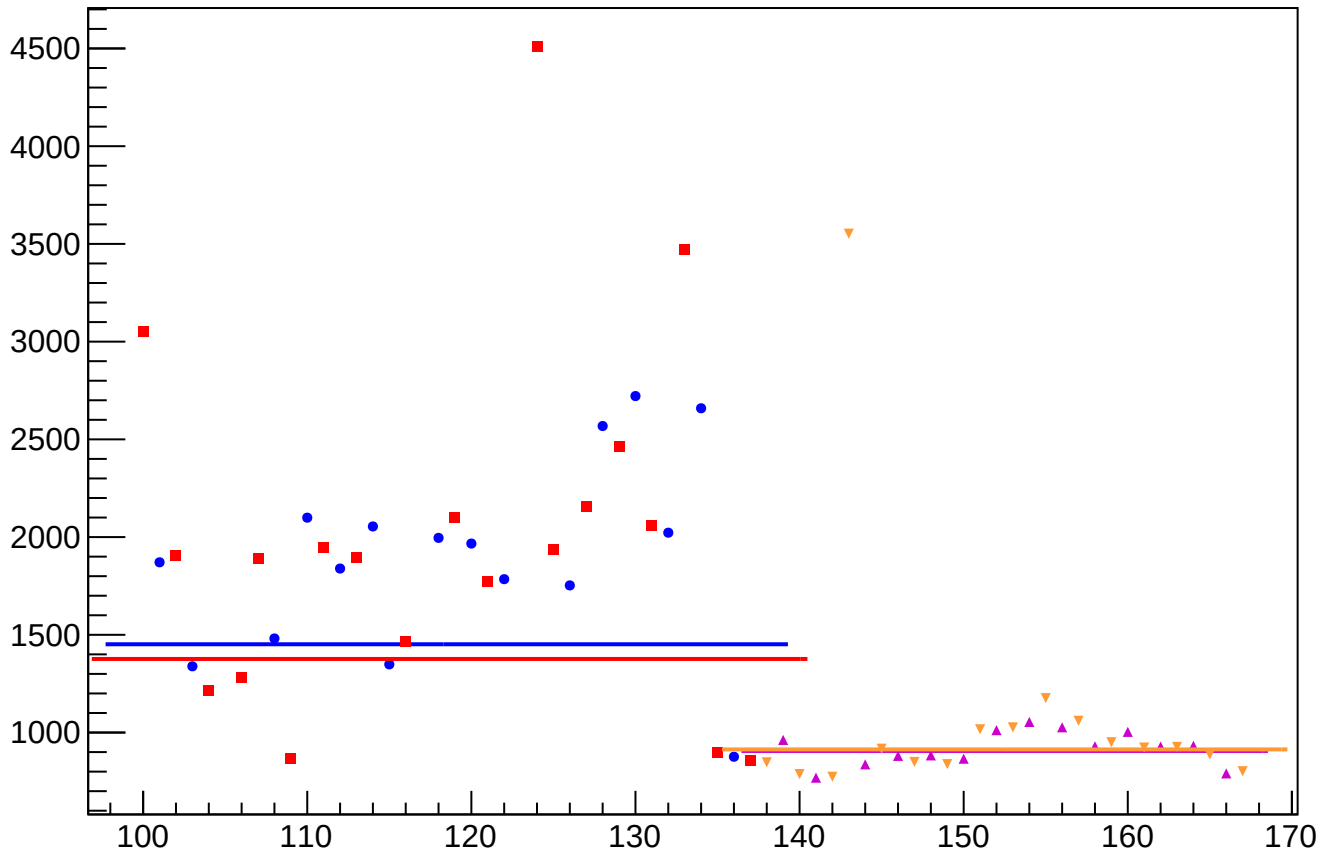
Left In: 250.709 $\pm$ 268.329 χ^2/NDF : 8.6/13

+ sign 1297.892 $\pm$ 240.262 χ^2/NDF : 61.7/31

All: 833.031 $\pm$ 170.424 χ^2/NDF : 93.0/64

- sign 362.292 $\pm$ 241.776 χ^2/NDF : 23.8/32

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631 $\pm$ 0.409 χ^2 /NDF: 1790839.5/15

Left Out: 913.600 $\pm$ 0.187 χ^2 /NDF: 1184269.5/15

Right Out: 1376.470 $\pm$ 0.394 χ^2 /NDF: 2132051.1/18

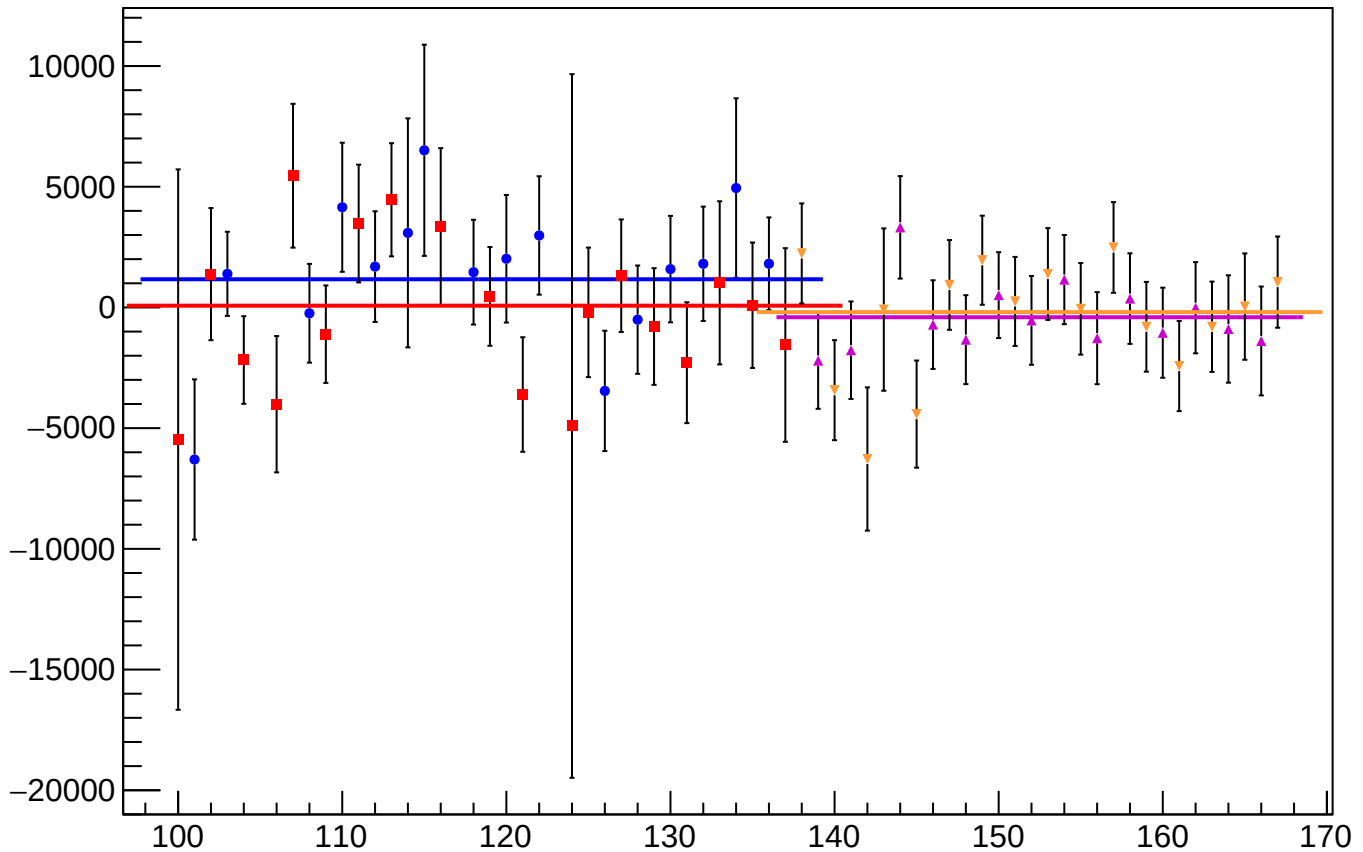
Left In: 905.779 $\pm$ 0.190 χ^2 /NDF: 199419.6/13

+ sign 1006.224 $\pm$ 0.170 χ^2 /NDF: 4404476.9/31

All: 1000.312 $\pm$ 0.121 χ^2 /NDF: 7896098.1/64

- sign 994.325 $\pm$ 0.171 χ^2 /NDF: 3489183.6/32

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: -193.649 $\pm$ 504.124 χ^2 /NDF: 18.2/15

Right Out: 72.499 $\pm$ 603.362 χ^2 /NDF: 18.3/18

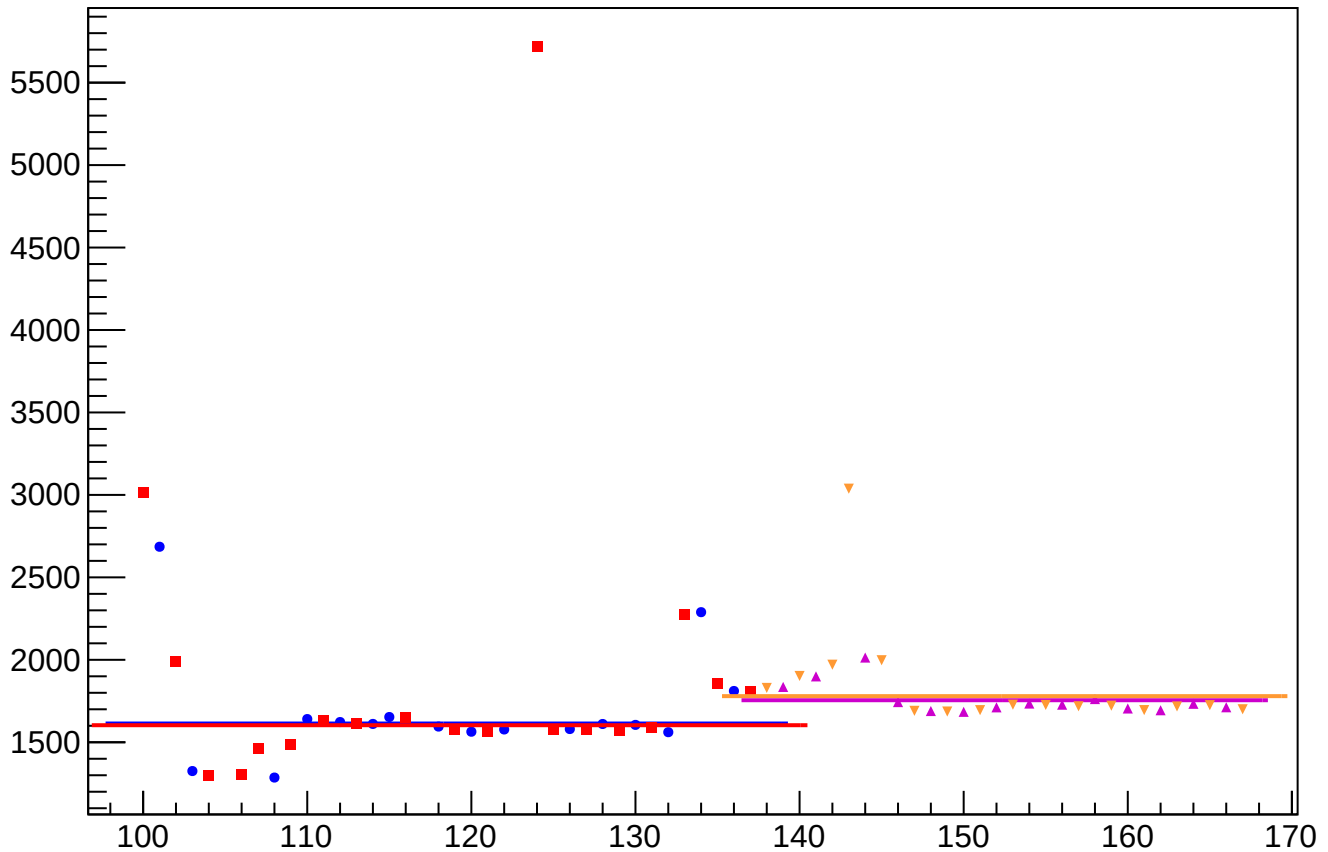
Left In: -405.658 $\pm$ 517.097 χ^2 /NDF: 6.4/13

+ sign 359.327 $\pm$ 388.380 χ^2 /NDF: 35.6/31

All: 81.138 $\pm$ 276.117 χ^2 /NDF: 61.7/64

- sign -203.176 $\pm$ 392.632 χ^2 /NDF: 25.0/32

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2 /NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2 /NDF: 347862.8/15

Right Out: 1603.464+/-0.427 χ^2 /NDF: 425793.4/18

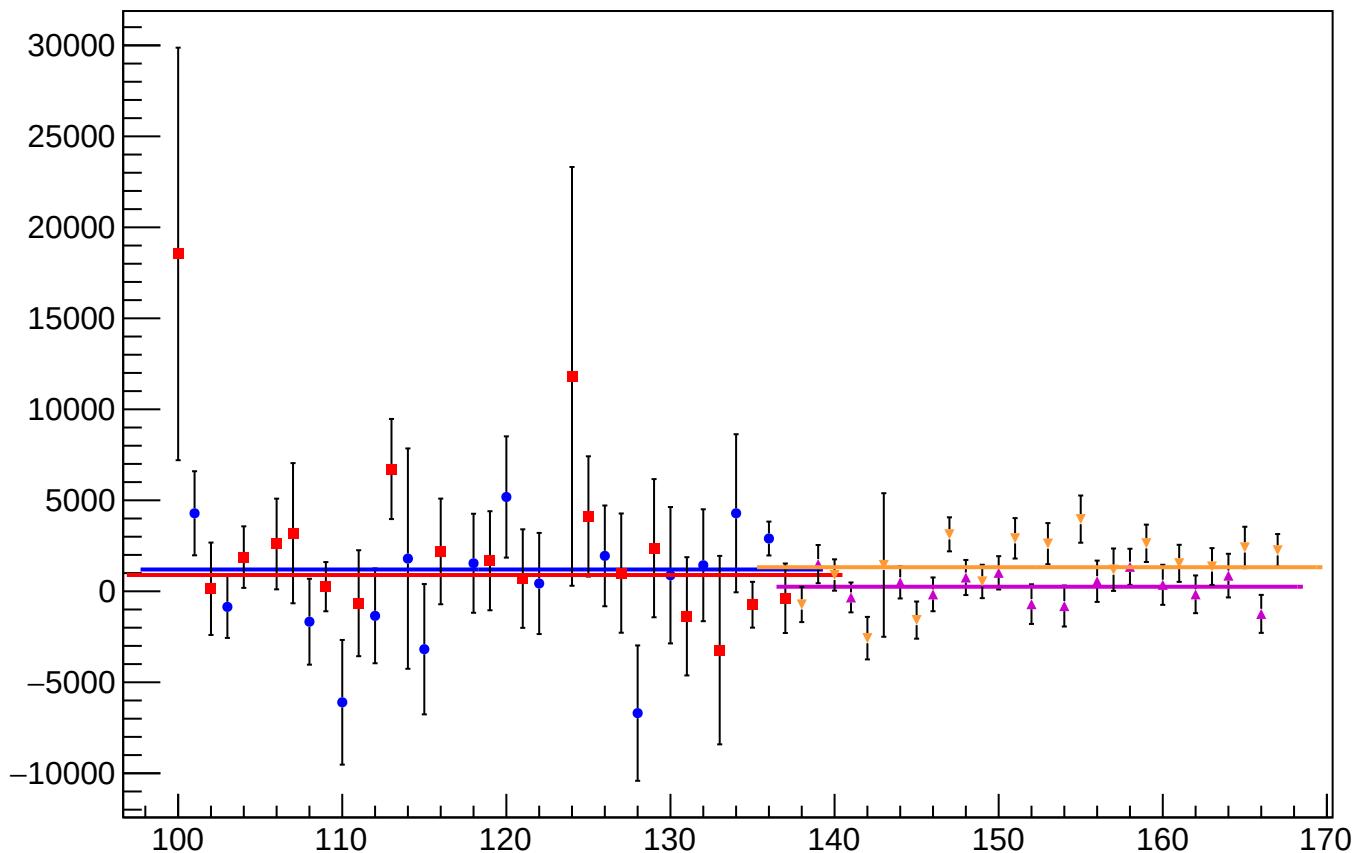
Left In: 1754.985+/-0.366 χ^2 /NDF: 55156.4/13

+ sign 1712.228+/-0.275 χ^2 /NDF: 840750.0/31

All: 1701.641+/-0.195 χ^2 /NDF: 1397424.0/64

- sign 1690.822+/-0.278 χ^2 /NDF: 553669.3/32

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2/NDF : 21.7/15

Left Out: 1323.389 $\pm$ 264.068 χ^2/NDF : 39.6/15

Right Out: 895.463 $\pm$ 556.666 χ^2/NDF : 14.2/18

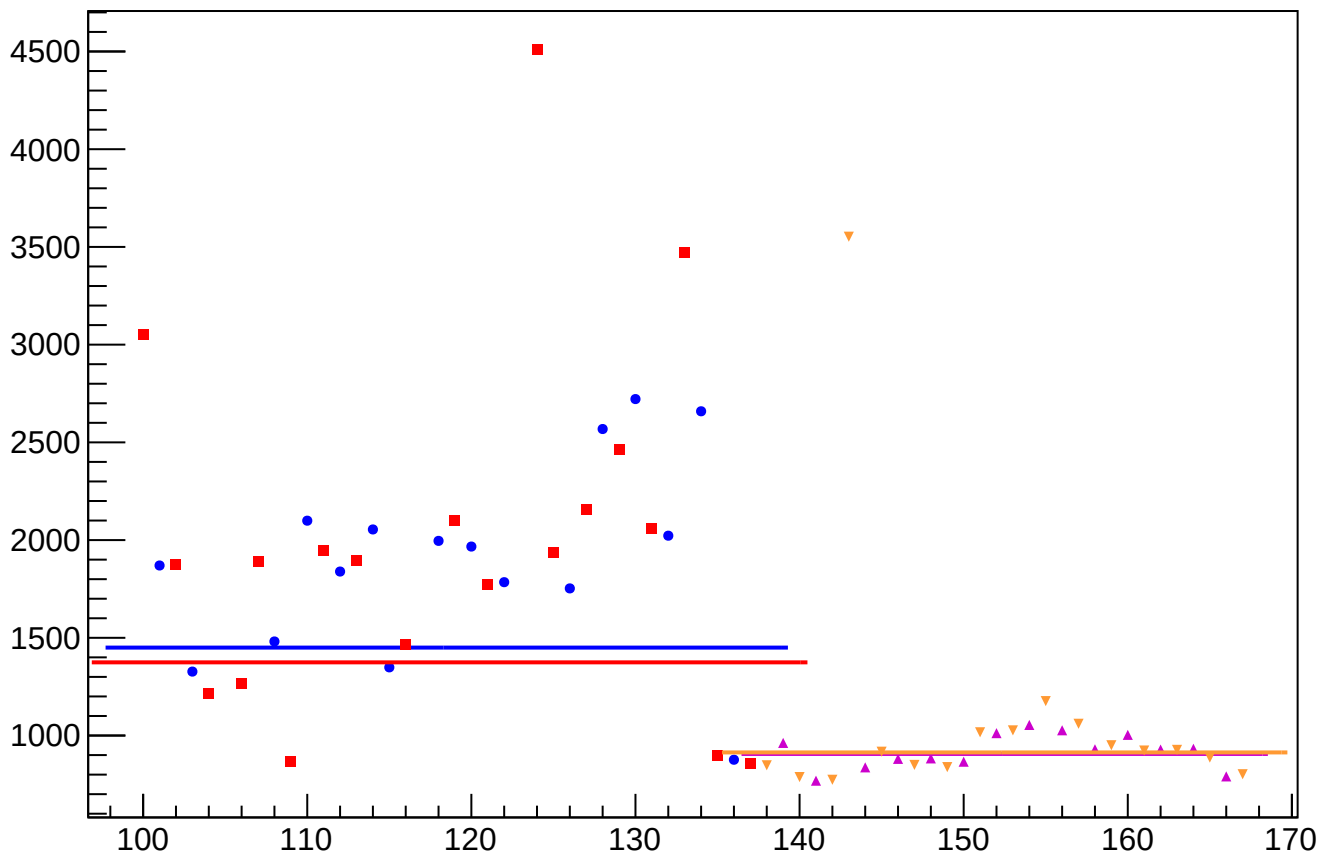
Left In: 250.628 $\pm$ 268.328 χ^2/NDF : 8.6/13

+ sign 1301.810 $\pm$ 240.205 χ^2/NDF : 61.3/31

All: 839.915 $\pm$ 170.381 χ^2/NDF : 92.7/64

- sign 372.206 $\pm$ 241.712 χ^2/NDF : 23.9/32

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF : 1792673.2/15

Left Out: 913.613+/-0.187 χ^2/NDF : 1184169.1/15

Right Out: 1374.438+/-0.394 χ^2/NDF : 2127695.6/18

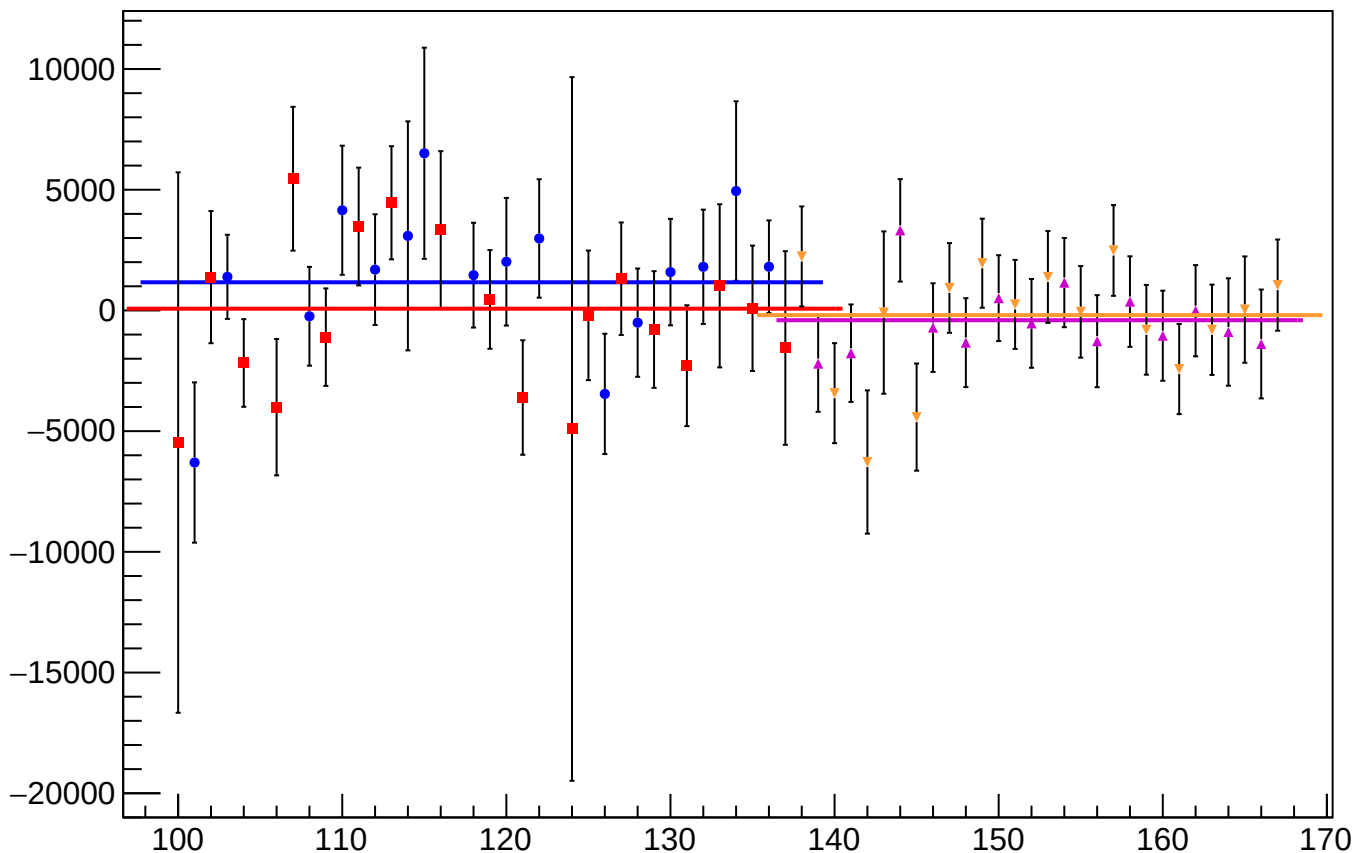
Left In: 905.776+/-0.190 χ^2/NDF : 199466.8/13

+ sign 1006.163+/-0.170 χ^2/NDF : 4400497.3/31

All: 1000.188+/-0.120 χ^2/NDF : 7880488.7/64

- sign 994.138+/-0.171 χ^2/NDF : 3477500.9/32

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: -193.649 $\pm$ 504.124 χ^2 /NDF: 18.2/15

Right Out: 72.499 $\pm$ 603.362 χ^2 /NDF: 18.3/18

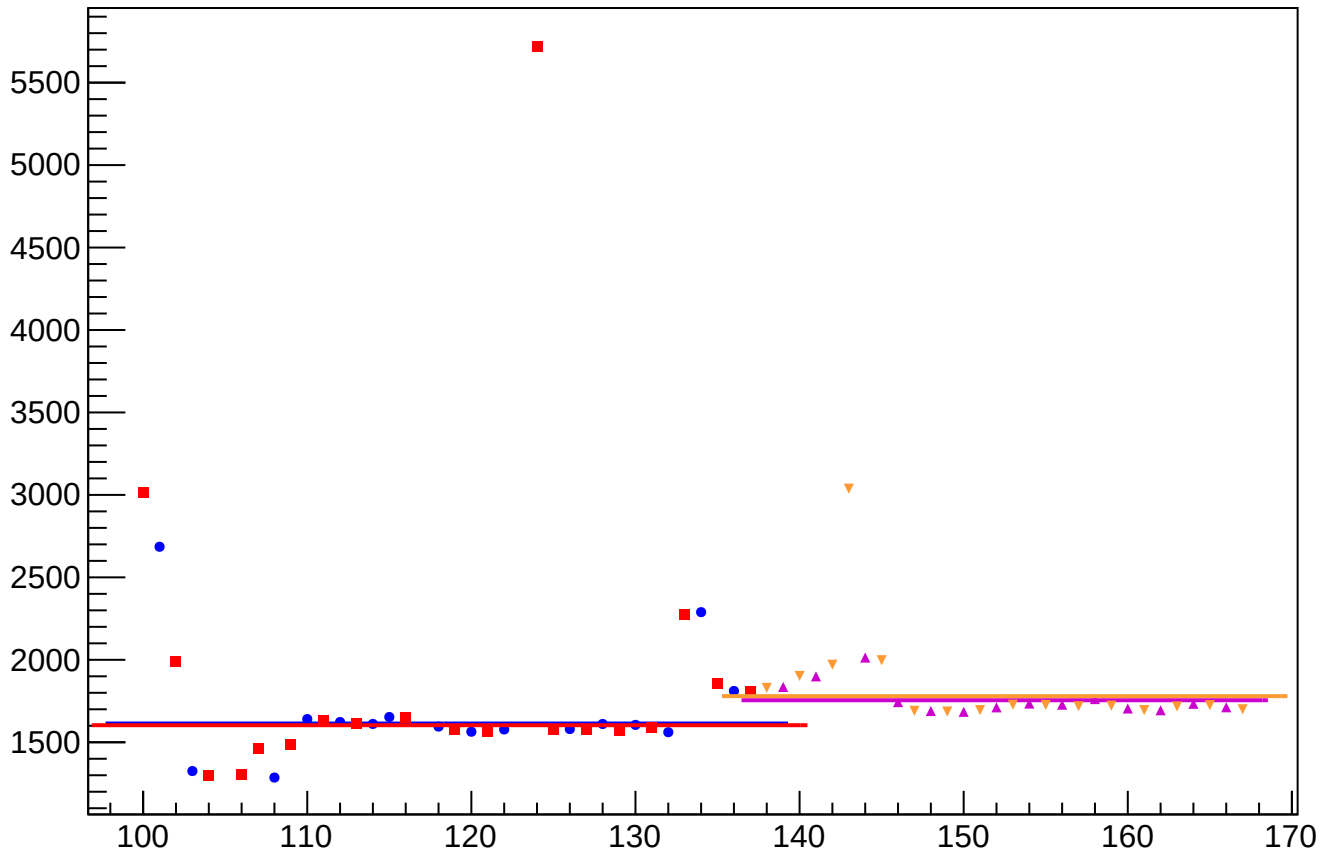
Left In: -405.658 $\pm$ 517.097 χ^2 /NDF: 6.4/13

+ sign 359.327 $\pm$ 388.380 χ^2 /NDF: 35.6/31

All: 81.138 $\pm$ 276.117 χ^2 /NDF: 61.7/64

- sign -203.176 $\pm$ 392.632 χ^2 /NDF: 25.0/32

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2 /NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2 /NDF: 347862.8/15

Right Out: 1603.464+/-0.427 χ^2 /NDF: 425793.4/18

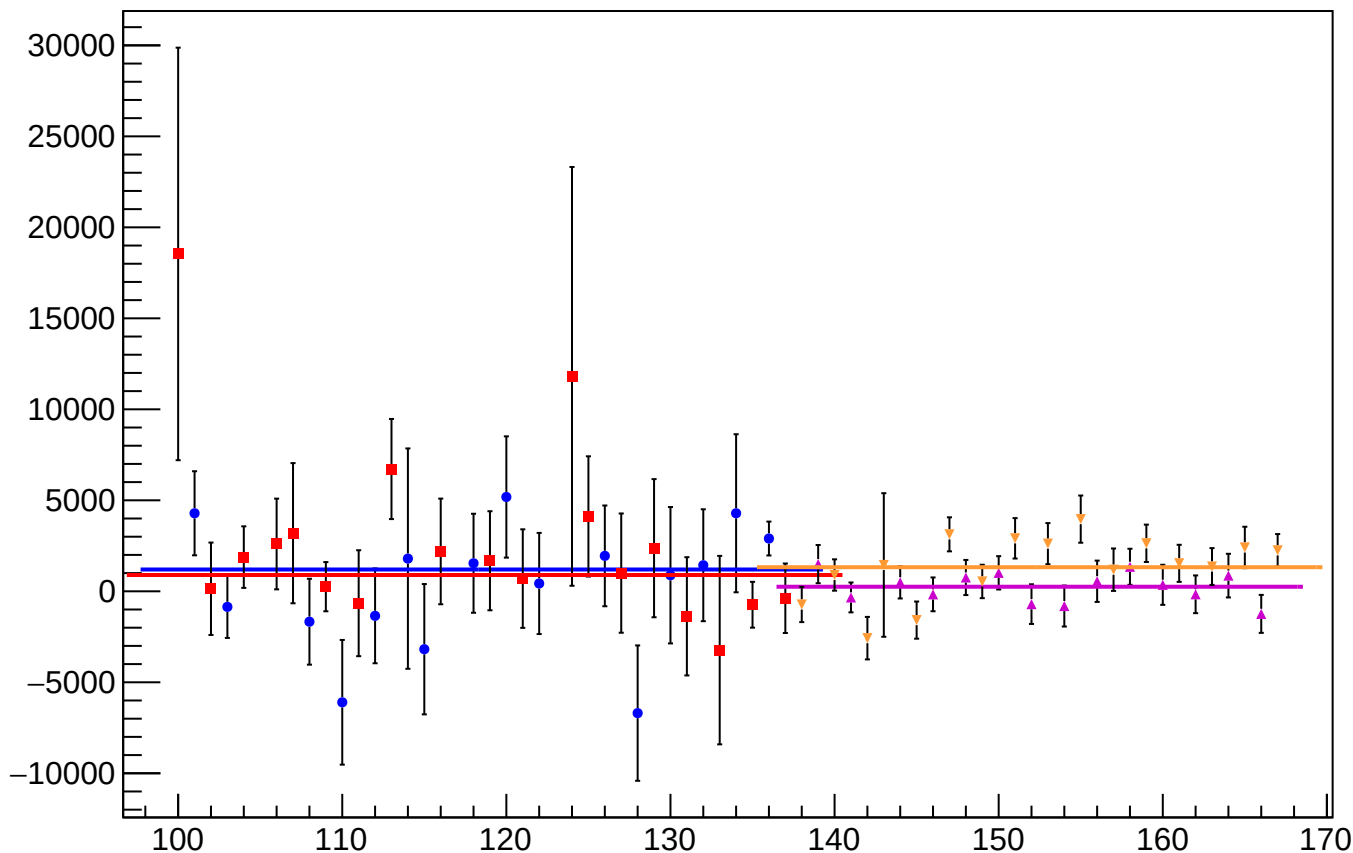
Left In: 1754.985+/-0.366 χ^2 /NDF: 55156.4/13

+ sign 1712.228+/-0.275 χ^2 /NDF: 840750.0/31

All: 1701.641+/-0.195 χ^2 /NDF: 1397424.0/64

- sign 1690.822+/-0.278 χ^2 /NDF: 553669.3/32

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2 /NDF: 21.7/15

Left Out: 1323.389 $\pm$ 264.068 χ^2 /NDF:39.6/15

Right Out: 895.463 $\pm$ 556.666 χ^2 /NDF: 14.2/18

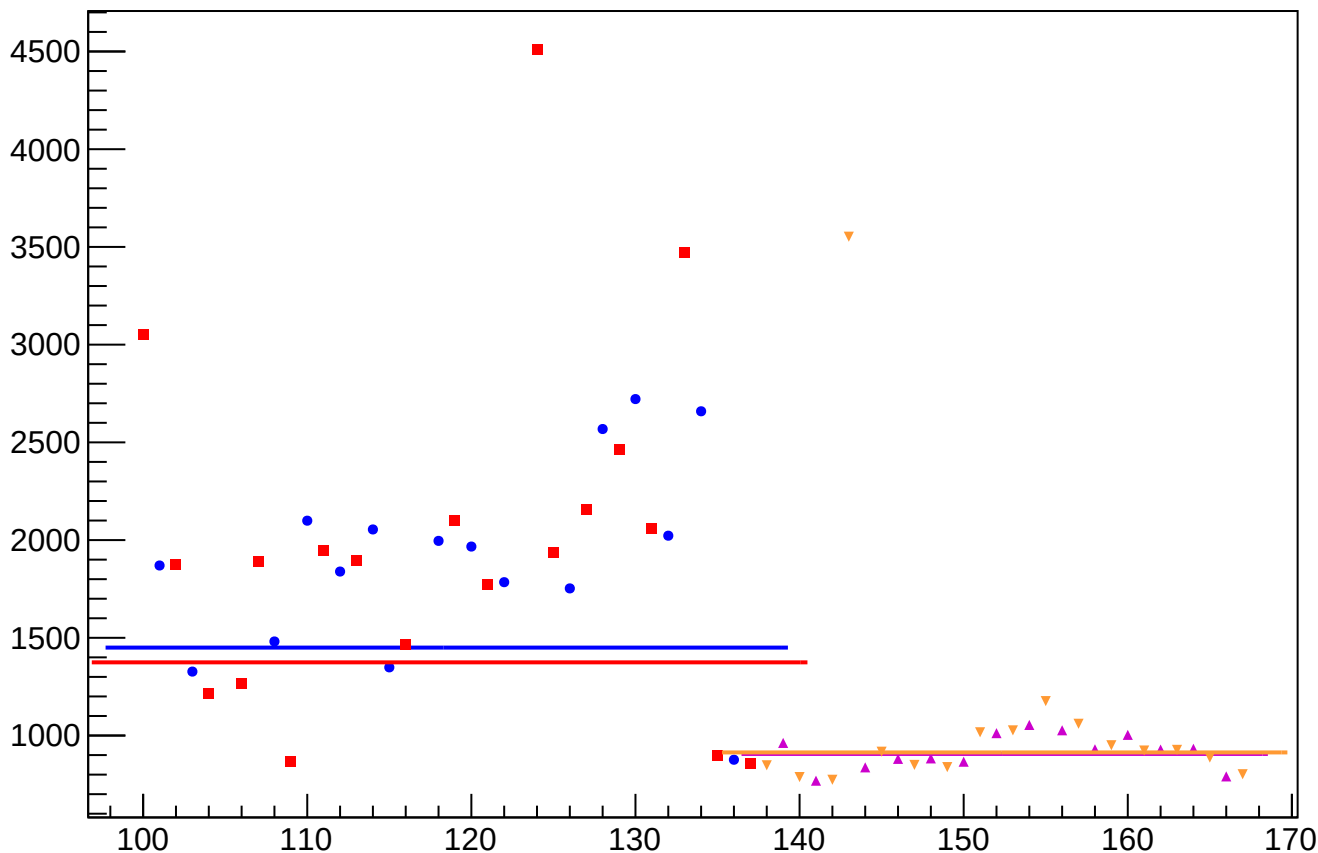
Left In: 250.628 $\pm$ 268.328 χ^2 /NDF:8.6/13

+ sign 1301.810 $\pm$ 240.205 χ^2 /NDF: 61.3/31

All: 839.915 $\pm$ 170.381 χ^2 /NDF: 92.7/64

- sign 372.206 $\pm$ 241.712 χ^2 /NDF: 23.9/32

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939 $\pm$ 0.409 χ^2 /NDF: 1792673.2/15

Left Out: 913.613 $\pm$ 0.187 χ^2 /NDF: 1184169.1/15

Right Out: 1374.438 $\pm$ 0.394 χ^2 /NDF: 2127695.6/18

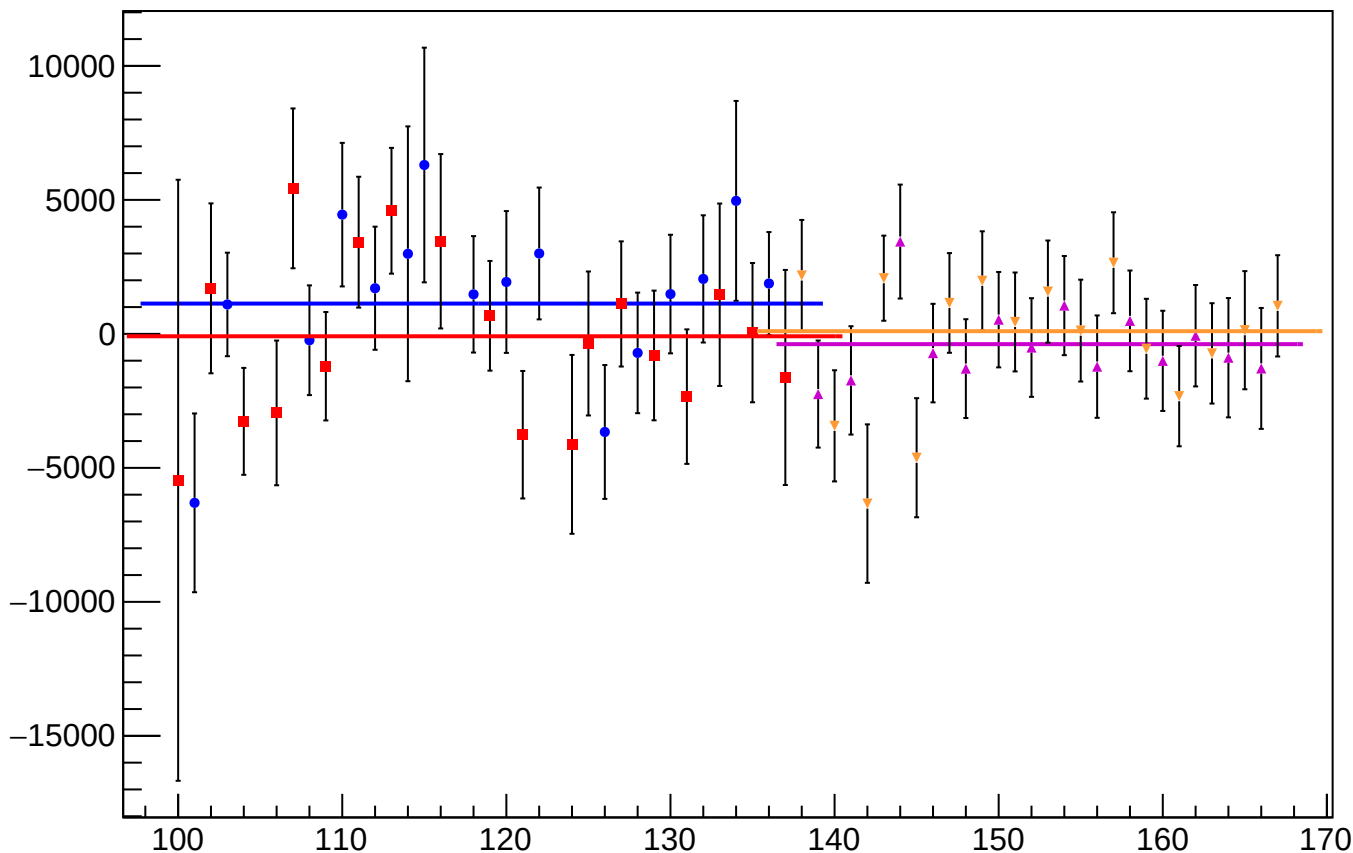
Left In: 905.776 $\pm$ 0.190 χ^2 /NDF: 199466.8/13

+ sign 1006.163 $\pm$ 0.170 χ^2 /NDF: 4400497.3/31

All: 1000.188 $\pm$ 0.120 χ^2 /NDF: 7880488.7/64

- sign 994.138 $\pm$ 0.171 χ^2 /NDF: 3477500.9/32

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: 100.876 $\pm$ 485.968 χ^2 /NDF: 20.8/15

Right Out: -89.220 $\pm$ 603.072 χ^2 /NDF: 20.7/18

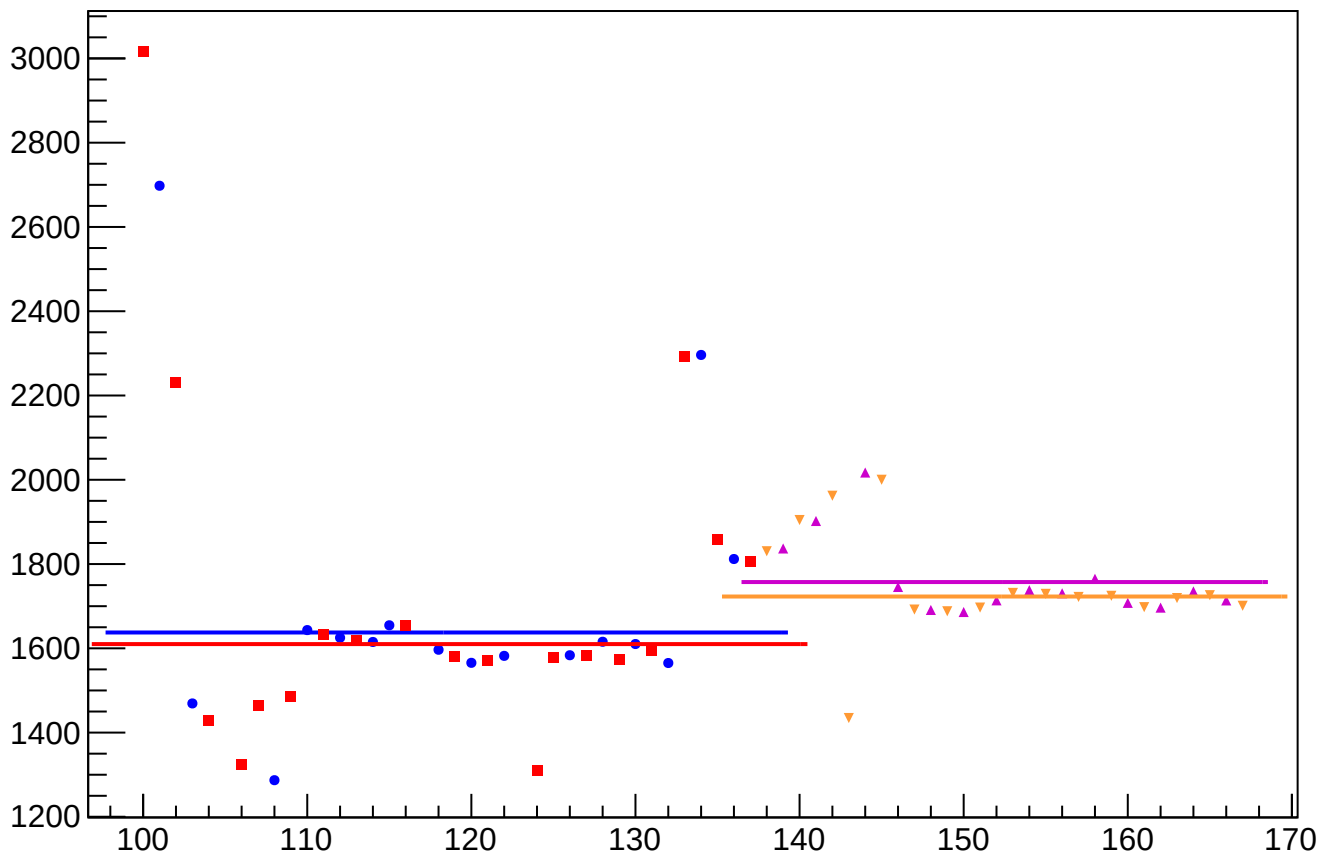
Left In: -383.395 $\pm$ 517.775 χ^2 /NDF: 6.5/13

+ sign 494.972 $\pm$ 381.826 χ^2 /NDF: 37.5/31

All: 128.923 $\pm$ 273.806 χ^2 /NDF: 66.7/64

- sign -258.566 $\pm$ 392.848 χ^2 /NDF: 27.3/32

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361417.0/15

Left Out: 1722.944+/-0.344 χ^2/NDF :133231.5/15

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.5/18

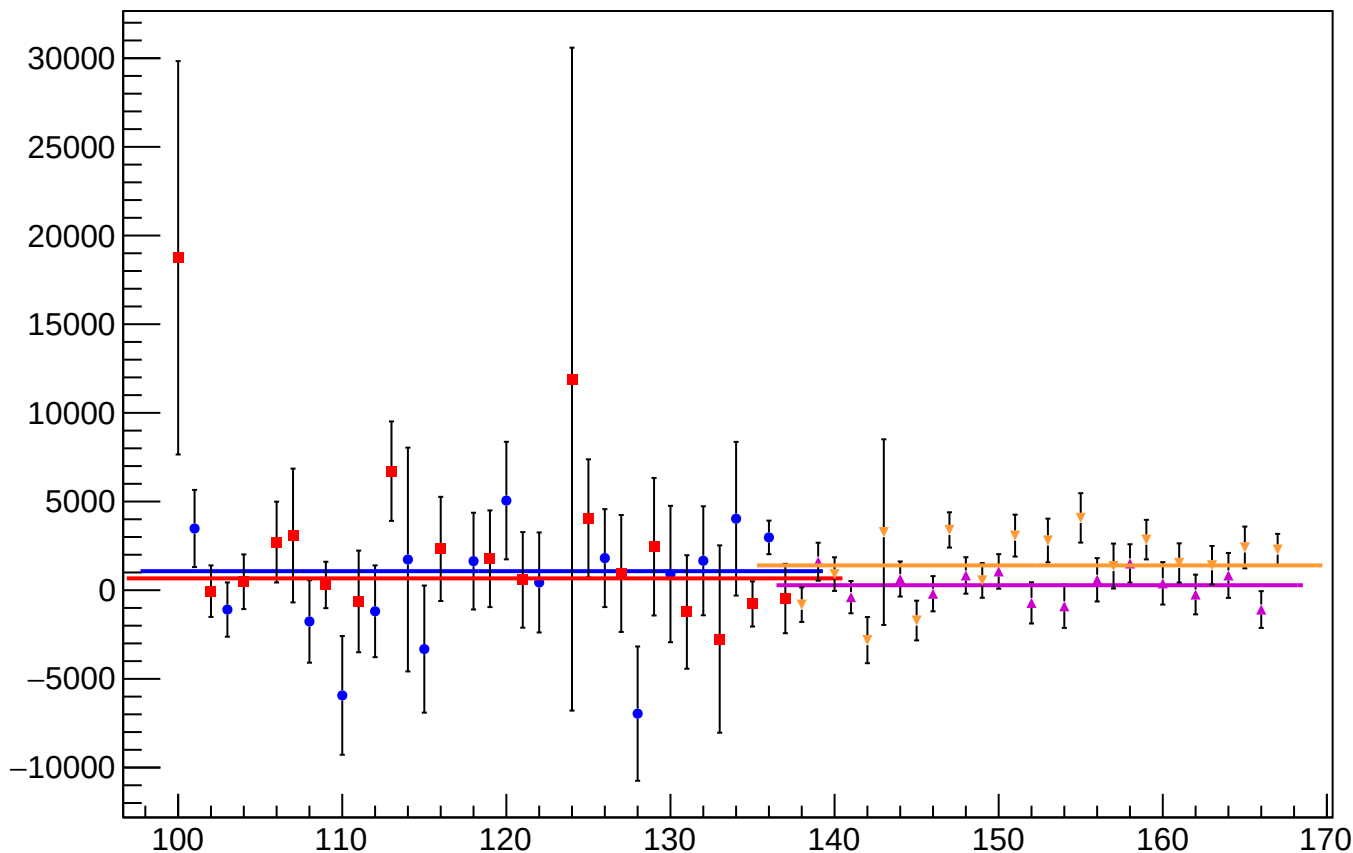
Left In: 1757.273+/-0.366 χ^2/NDF :55352.6/13

+ sign 1690.275+/-0.270 χ^2/NDF : 518266.9/31

All: 1692.472+/-0.194 χ^2/NDF : 923188.6/64

- sign 1694.798+/-0.278 χ^2/NDF : 404785.3/32

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600 $\pm$ 571.609 χ^2 /NDF: 22.0/15

Left Out: 1398.944 $\pm$ 281.303 χ^2 /NDF:39.0/15

Right Out: 667.777 $\pm$ 523.477 χ^2 /NDF: 13.6/18

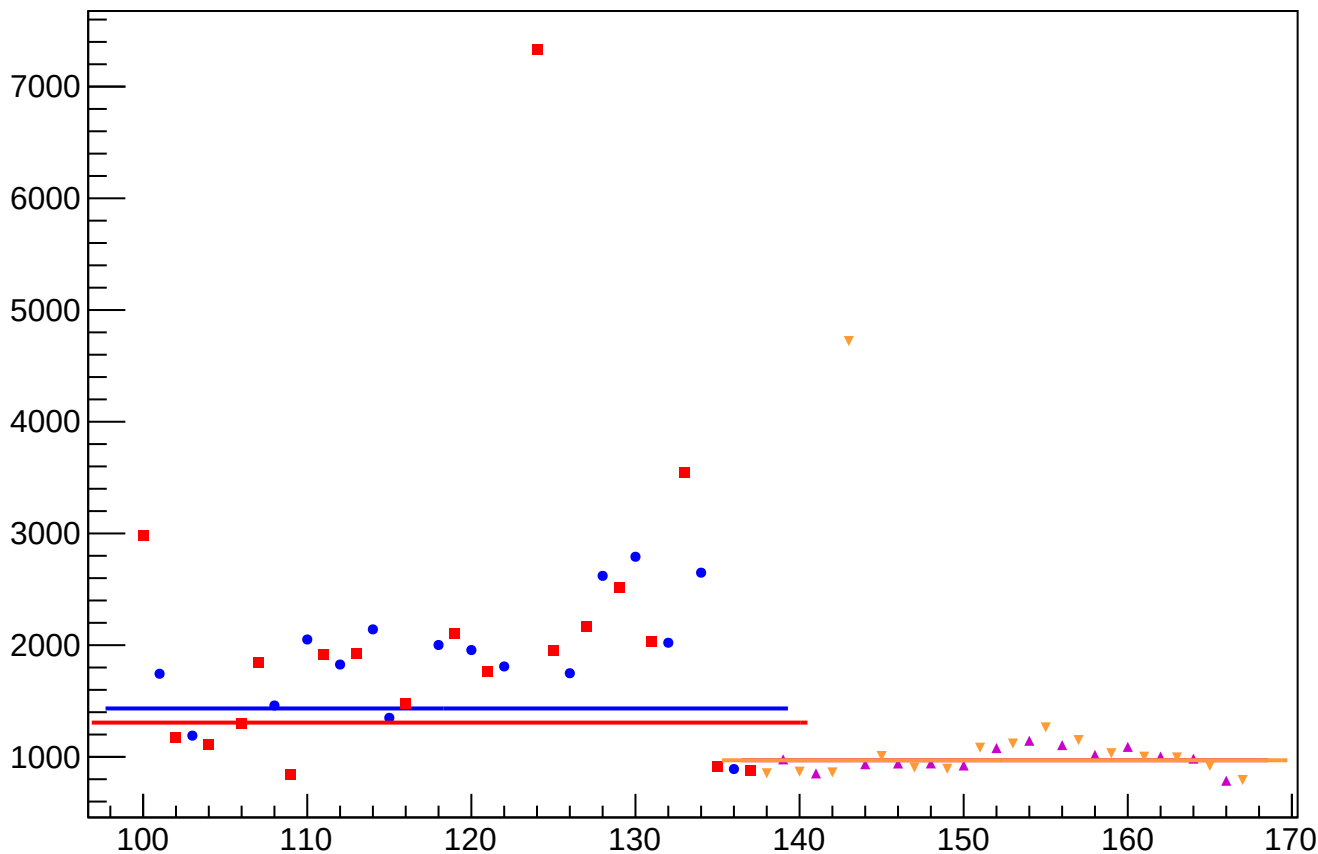
Left In: 280.883 $\pm$ 287.483 χ^2 /NDF:8.6/13

+ sign 1335.512 $\pm$ 252.395 χ^2 /NDF: 61.3/31

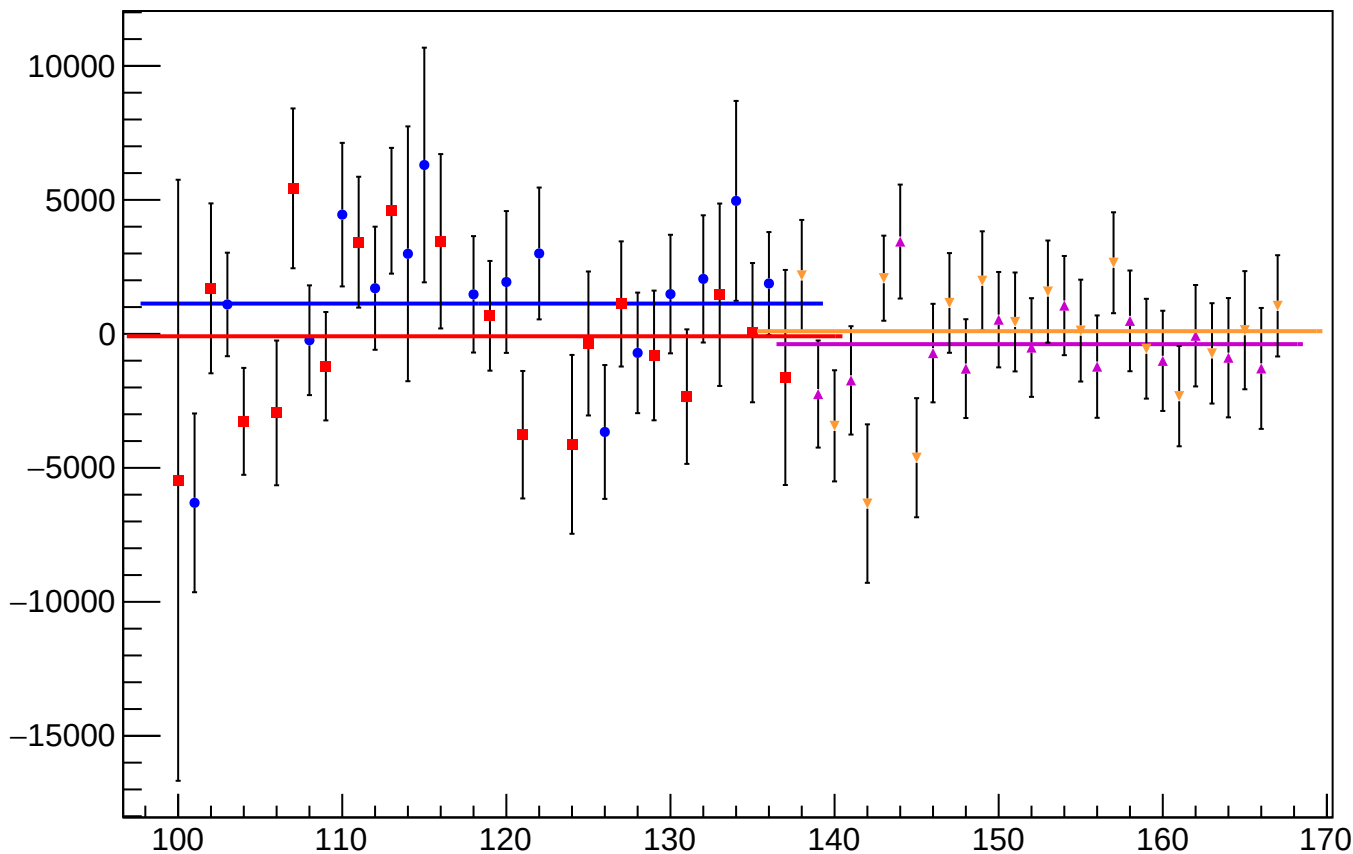
All: 852.236 $\pm$ 178.325 χ^2 /NDF: 91.2/64

- sign 370.532 $\pm$ 251.985 χ^2 /NDF: 22.5/32

asym_at2_dd_dit_correction_rms vs Slug



eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: 100.870 $\pm$ 485.968 χ^2 /NDF: 20.8/15

Right Out: -89.225 $\pm$ 603.072 χ^2 /NDF: 20.7/18

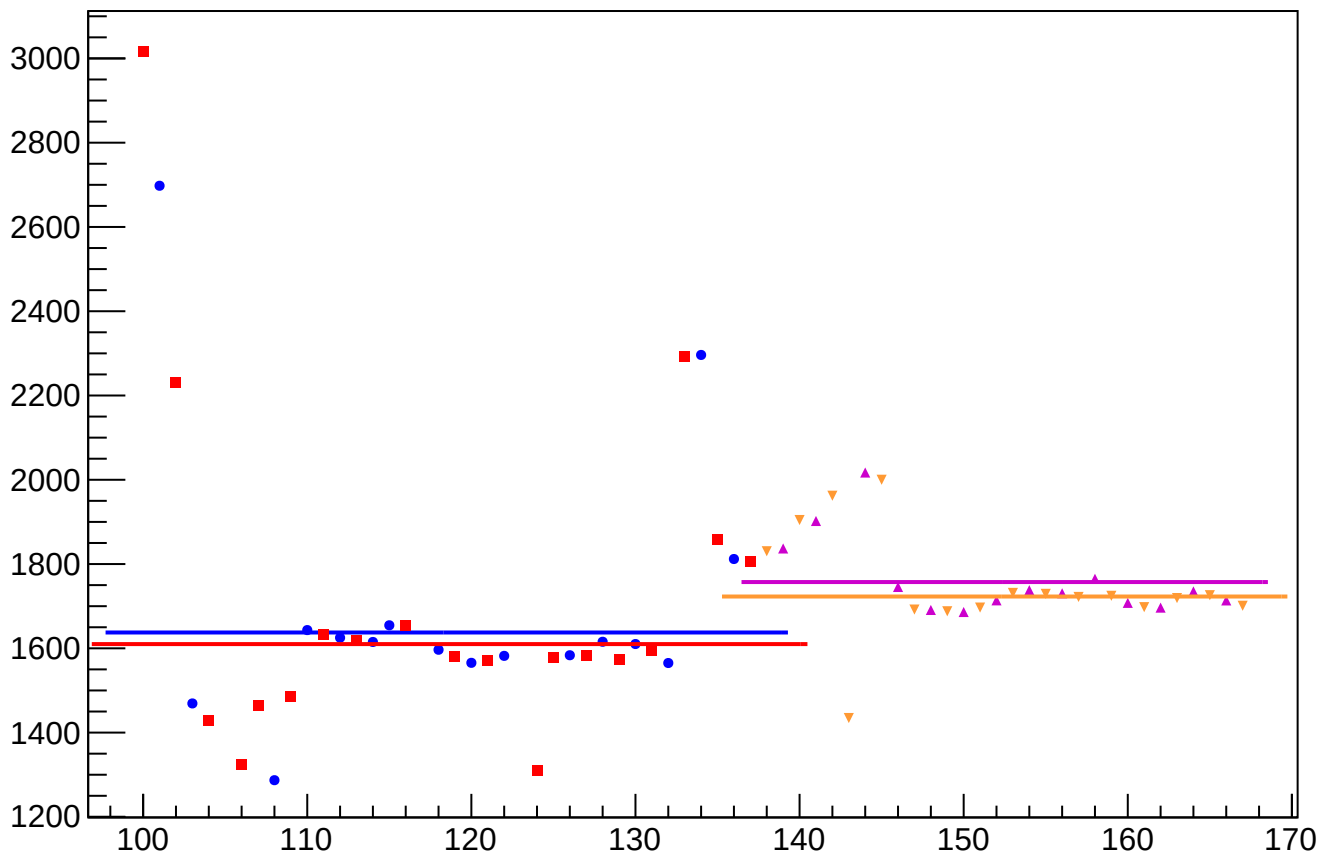
Left In: -383.396 $\pm$ 517.775 χ^2 /NDF: 6.5/13

+ sign 494.969 $\pm$ 381.826 χ^2 /NDF: 37.5/31

All: 128.920 $\pm$ 273.806 χ^2 /NDF: 66.7/64

- sign -258.568 $\pm$ 392.848 χ^2 /NDF: 27.3/32

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361416.8/15

Left Out: 1722.944+/-0.344 χ^2/NDF : 133230.4/15

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.7/18

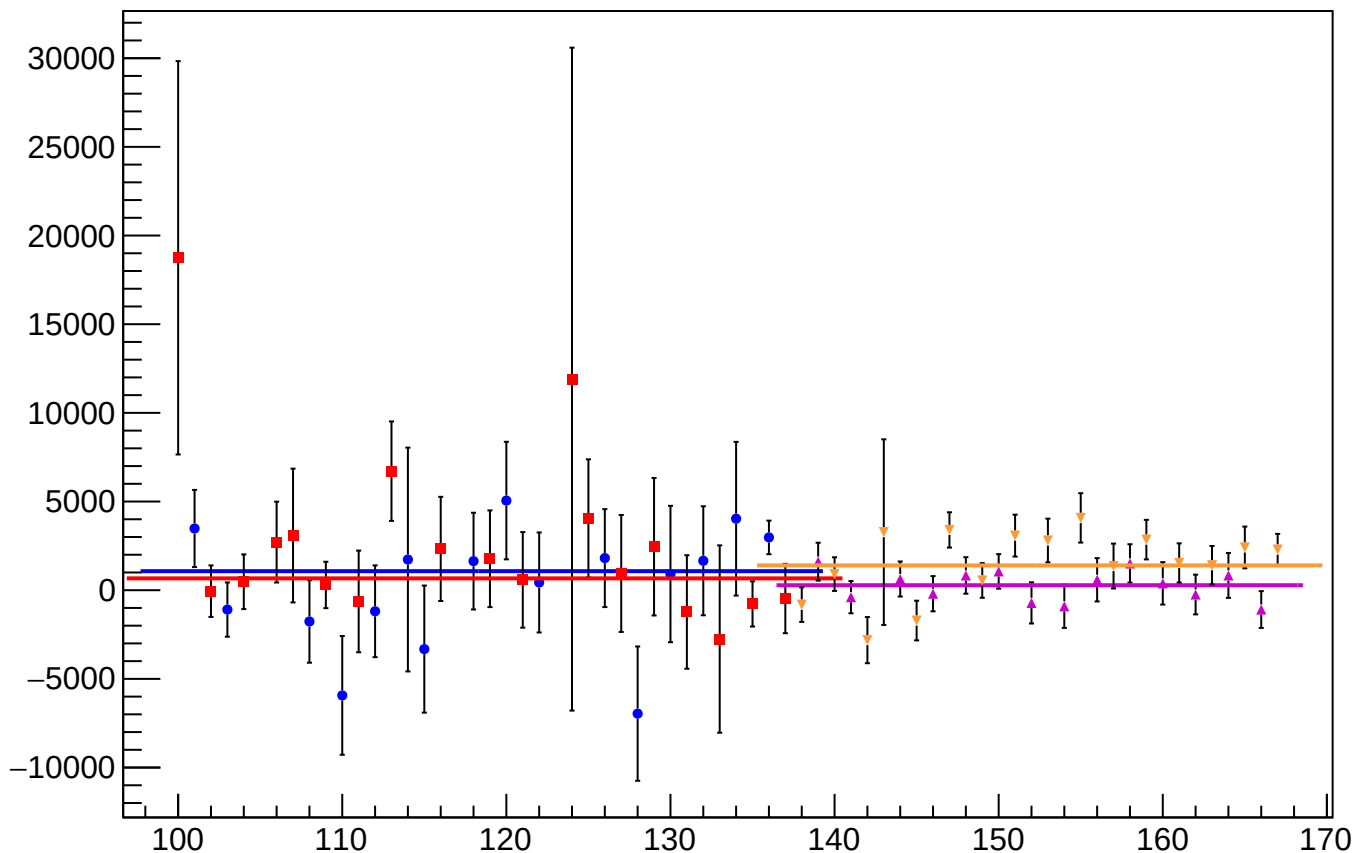
Left In: 1757.273+/-0.366 χ^2/NDF : 55352.7/13

+ sign 1690.275+/-0.270 χ^2/NDF : 518265.9/31

All: 1692.472+/-0.194 χ^2/NDF : 923187.9/64

- sign 1694.798+/-0.278 χ^2/NDF : 404785.7/32

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589 $\pm$ 571.613 χ^2/NDF : 22.0/15

Left Out: 1398.955 $\pm$ 281.304 χ^2/NDF : 39.0/15

Right Out: 667.789 $\pm$ 523.481 χ^2/NDF : 13.6/18

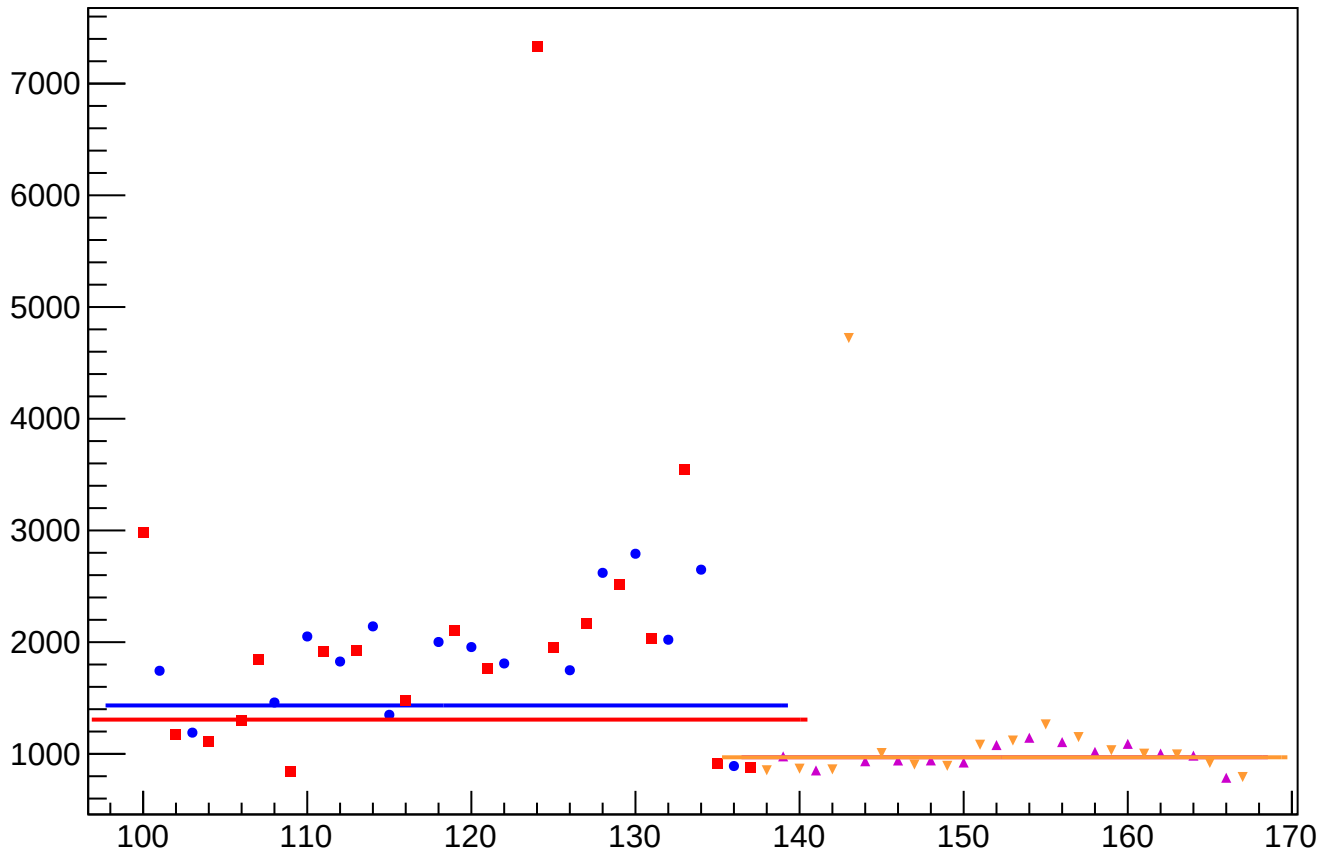
Left In: 280.880 $\pm$ 287.483 χ^2/NDF : 8.6/13

+ sign 1335.519 $\pm$ 252.396 χ^2/NDF : 61.3/31

All: 852.239 $\pm$ 178.325 χ^2/NDF : 91.2/64

- sign 370.532 $\pm$ 251.985 χ^2/NDF : 22.5/32

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492 $\pm$ 0.404 χ^2 /NDF: 1763397.4/15

Left Out: 969.537 $\pm$ 0.199 χ^2 /NDF:1387149.0/15

Right Out: 1306.880 $\pm$ 0.370 χ^2 /NDF: 2183835.0/18

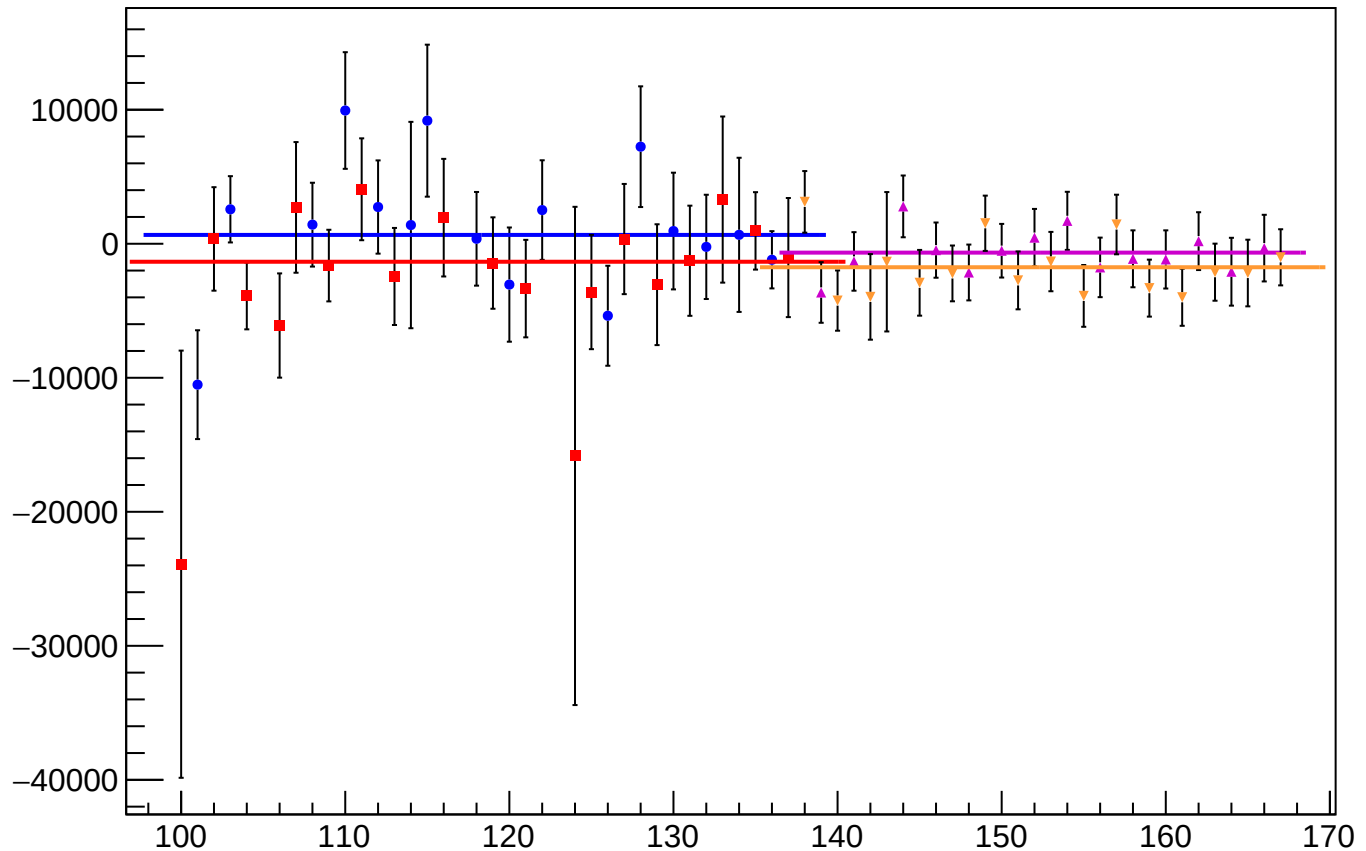
Left In: 970.095 $\pm$ 0.203 χ^2 /NDF:215956.6/13

+ sign 1059.993 $\pm$ 0.178 χ^2 /NDF: 4211245.9/31

All: 1054.053 $\pm$ 0.126 χ^2 /NDF: 7249248.1/64

- sign 1048.132 $\pm$ 0.178 χ^2 /NDF: 3035790.3/32

asym_at2_dd_mean vs Slug



Right In: 659.458 ± 909.570 χ^2/NDF : 22.0/15

Left Out: -1752.361 ± 575.862 χ^2/NDF : 14.0/15

Right Out: -1341.998 ± 890.576 χ^2/NDF : 10.8/18

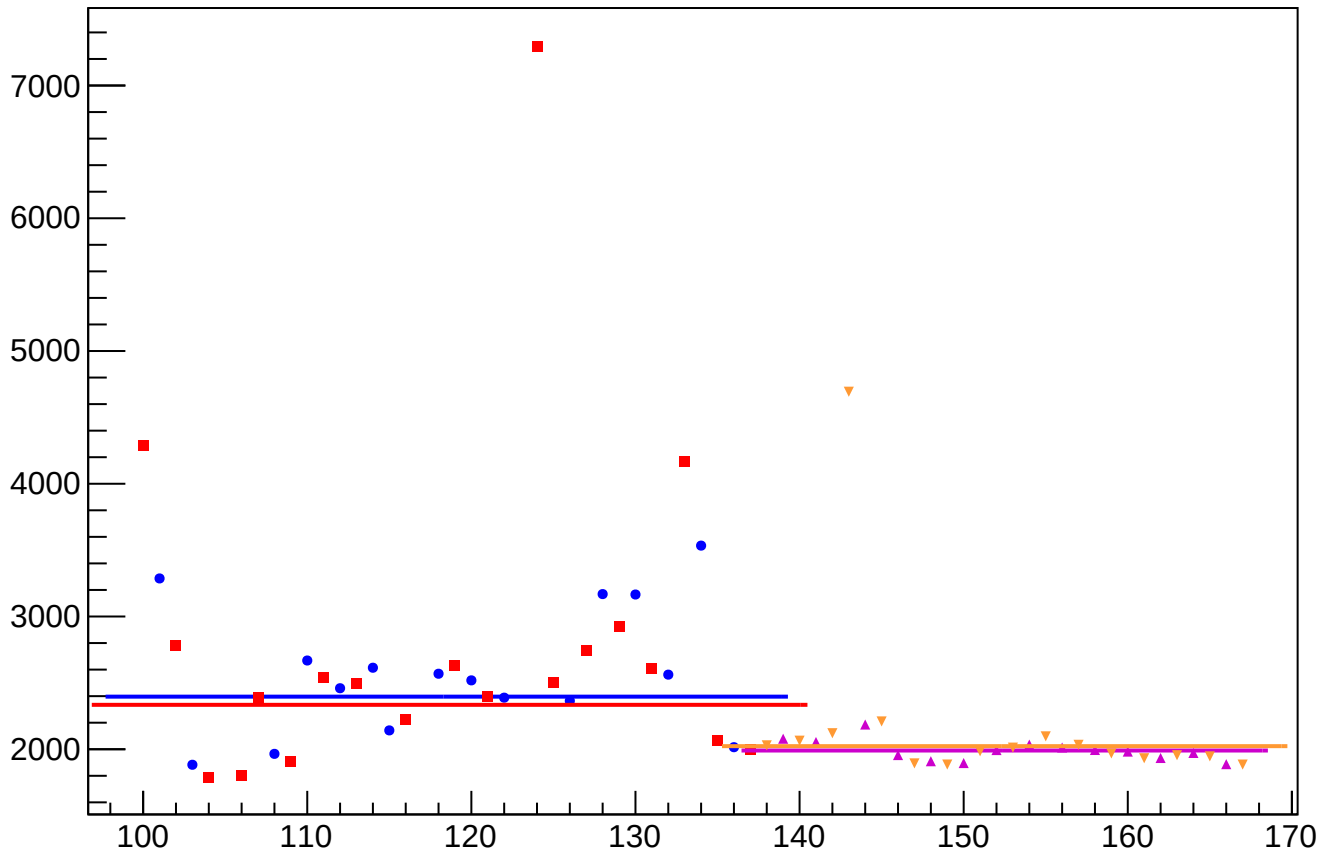
Left In: -661.702 ± 586.260 χ^2/NDF : 6.9/13

+ sign -1062.244 ± 486.547 χ^2/NDF : 41.0/31

All: -965.437 ± 345.144 χ^2/NDF : 59.2/64

- sign -867.378 ± 489.682 χ^2/NDF : 18.1/32

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF : 507897.2/15

Left Out: 2023.270+/-0.407 χ^2/NDF : 578446.4/15

Right Out: 2334.592+/-0.630 χ^2/NDF : 681568.6/18

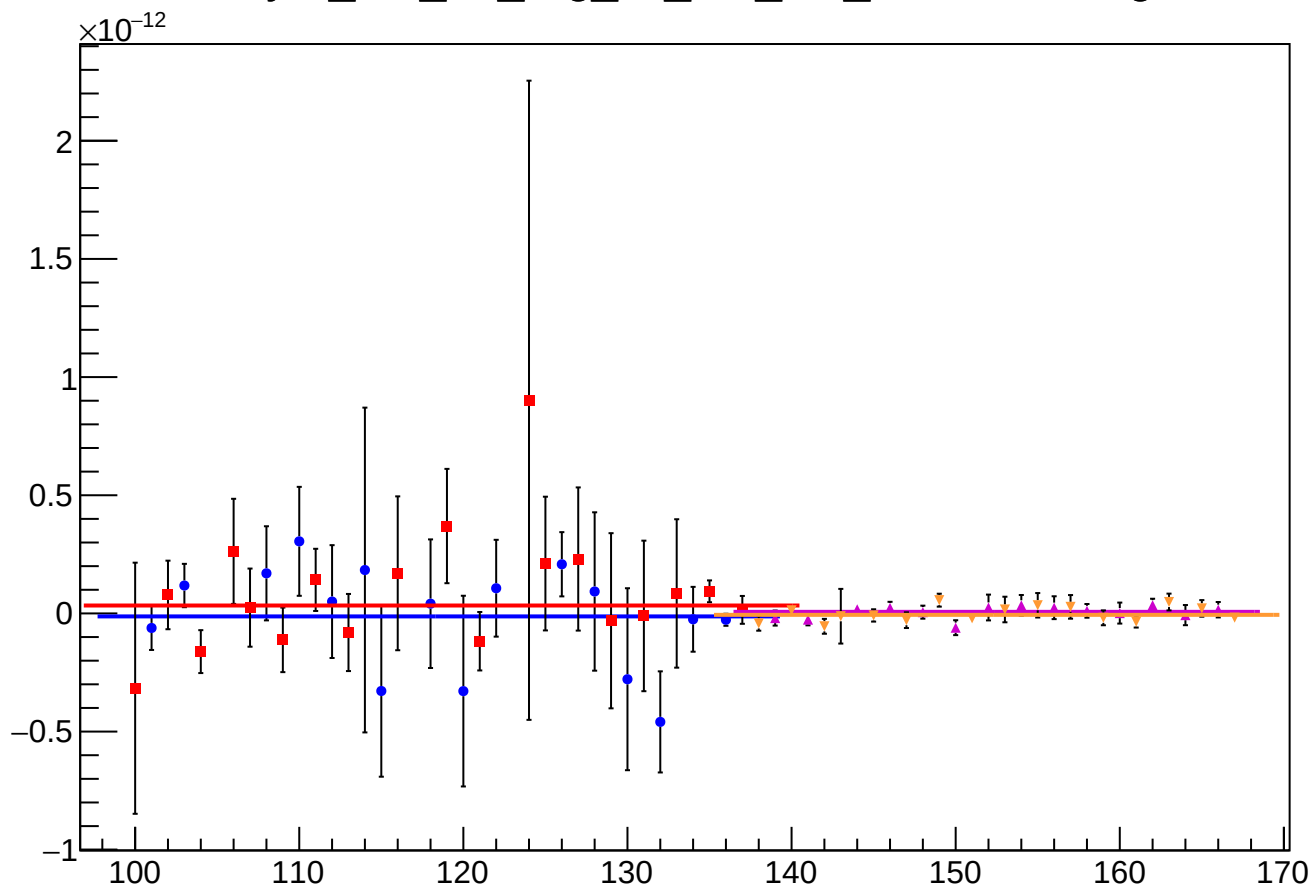
Left In: 1990.485+/-0.415 χ^2/NDF : 33203.3/13

+ sign 2130.002+/-0.344 χ^2/NDF : 1326449.9/31

All: 2112.376+/-0.244 χ^2/NDF : 2254823.9/64

- sign 2094.522+/-0.346 χ^2/NDF : 923090.4/32

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 : 17.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.2/18

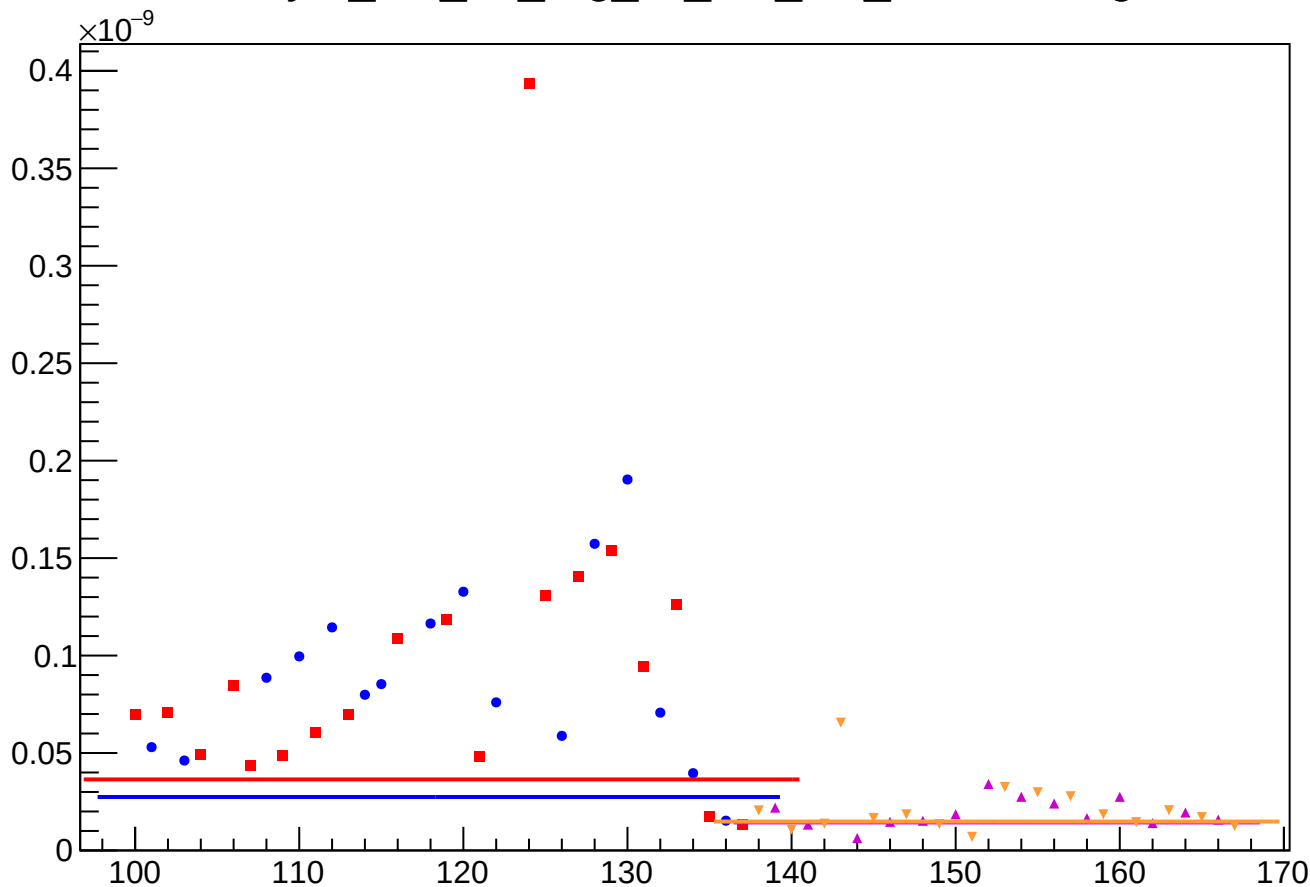
Left In: 0.000 ± 0.000 χ^2/NDF : 9.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 31.9/31

All: 0.000 ± 0.000 χ^2/NDF : 60.2/64

- sign 0.000 ± 0.000 χ^2/NDF : 26.0/32

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 : 1577315.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2442395.8/18

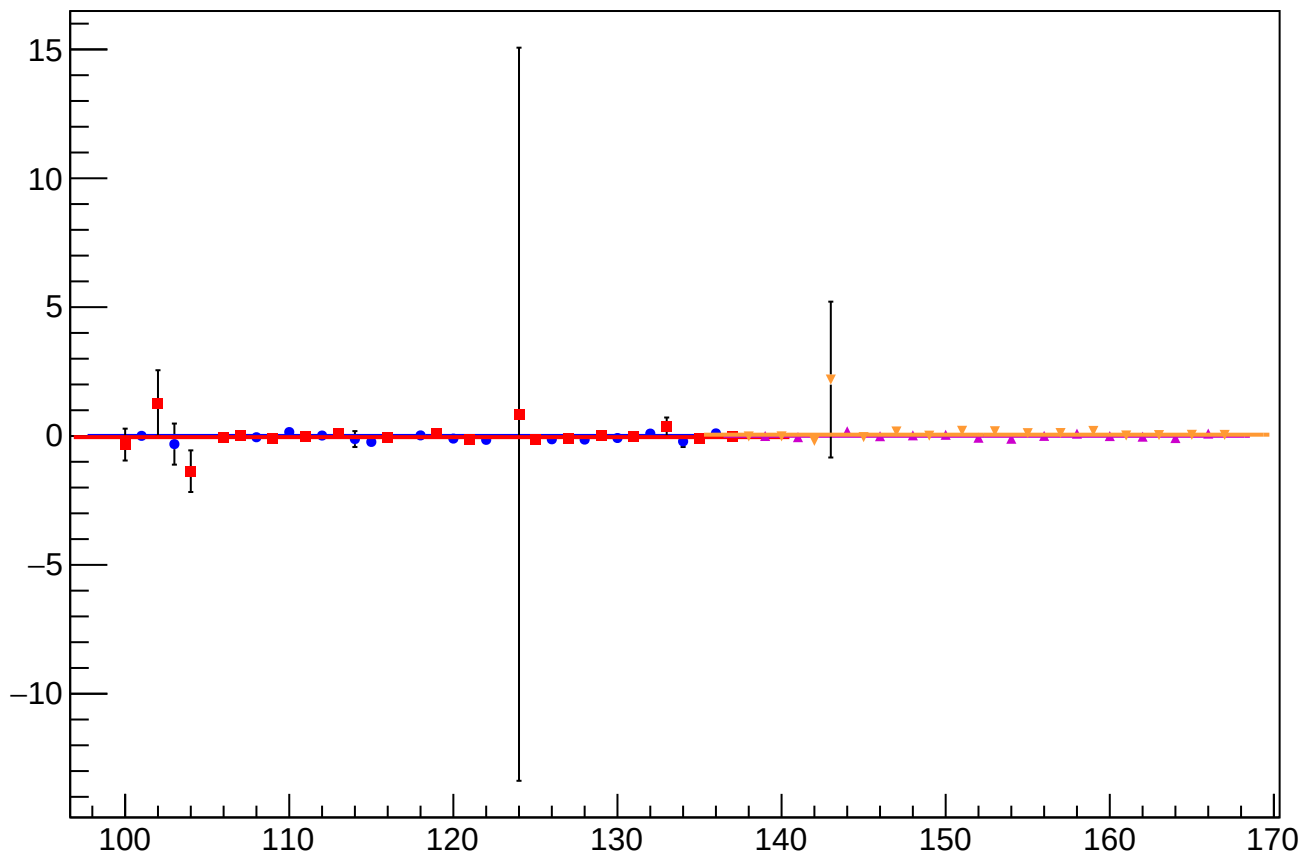
Left In: 0.000+/-0.000 χ^2/NDF : 1570901.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 4888789.1/31

All: 0.000+/-0.000 χ^2/NDF : 10060882.2/64

- sign 0.000+/-0.000 χ^2/NDF : 5171508.0/32

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 χ^2/NDF : 13.3/15

Left Out: 0.052 ± 0.019 χ^2/NDF : 19.4/15

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

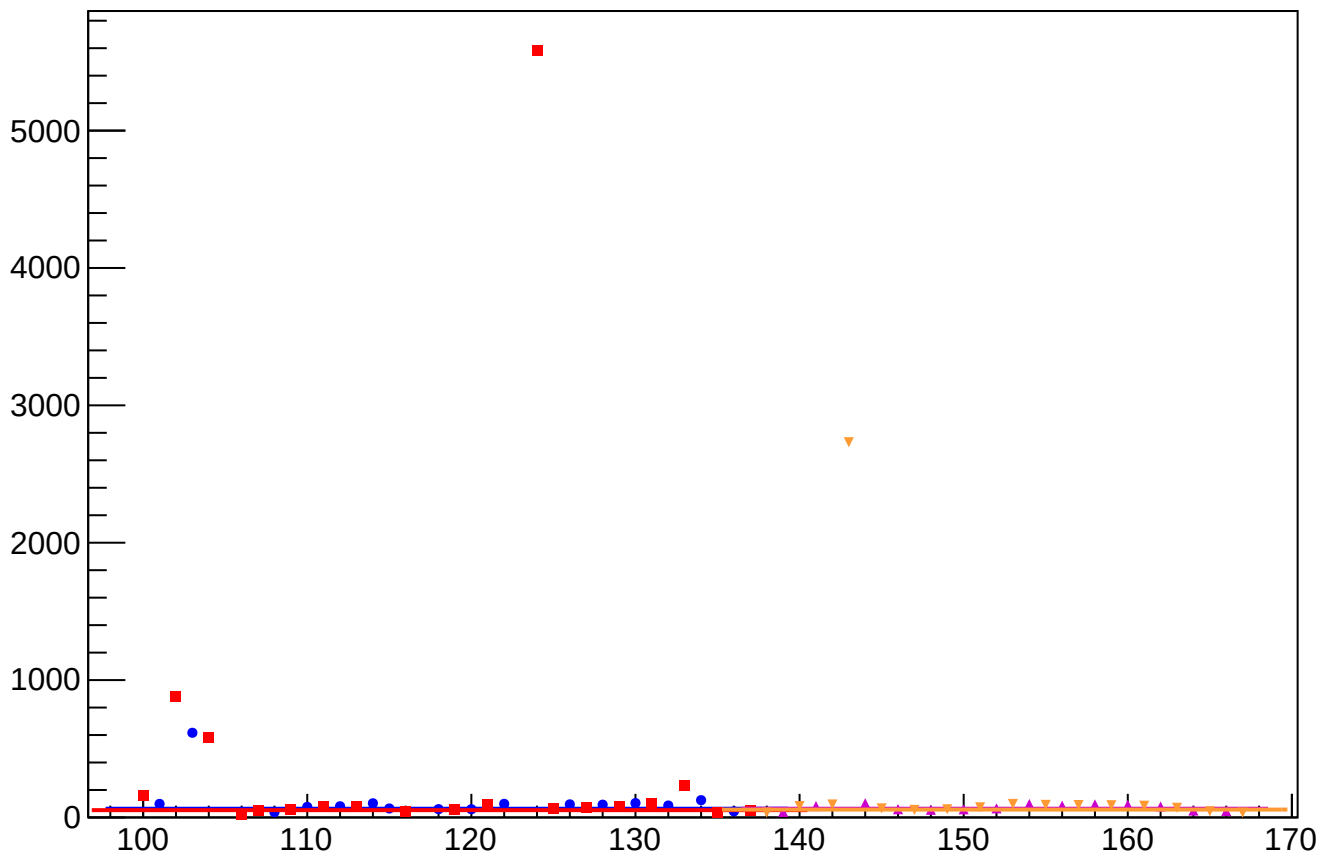
Left In: 0.008 ± 0.021 χ^2/NDF : 9.2/13

+ sign 0.036 ± 0.015 χ^2/NDF : 34.8/31

All: 0.012 ± 0.011 χ^2/NDF : 64.2/64

- sign -0.013 ± 0.016 χ^2/NDF : 24.4/32

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454 ± 0.019 χ^2/NDF : 2445255.1/15

Left Out: 57.334 ± 0.013 χ^2/NDF : 4197243.5/15

Right Out: 53.206 ± 0.018 χ^2/NDF : 3945779.6/18

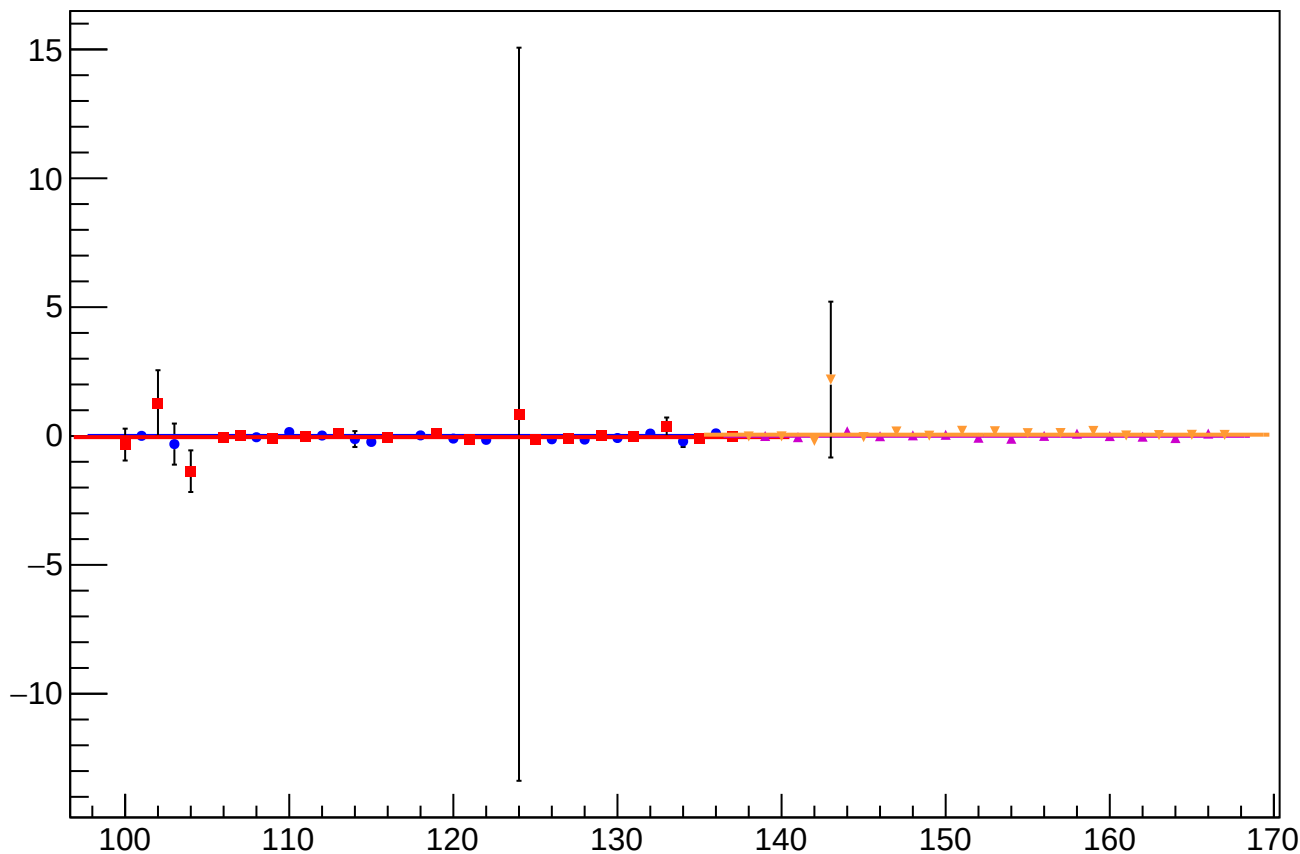
Left In: 63.546 ± 0.015 χ^2/NDF : 1740589.6/13

+ sign 59.291 ± 0.011 χ^2/NDF : 6711310.6/31

All: 59.320 ± 0.008 χ^2/NDF : 12603665.6/64

- sign 59.350 ± 0.011 χ^2/NDF : 5892340.5/32

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: 0.052 ± 0.019 χ^2/NDF : 19.4/15

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

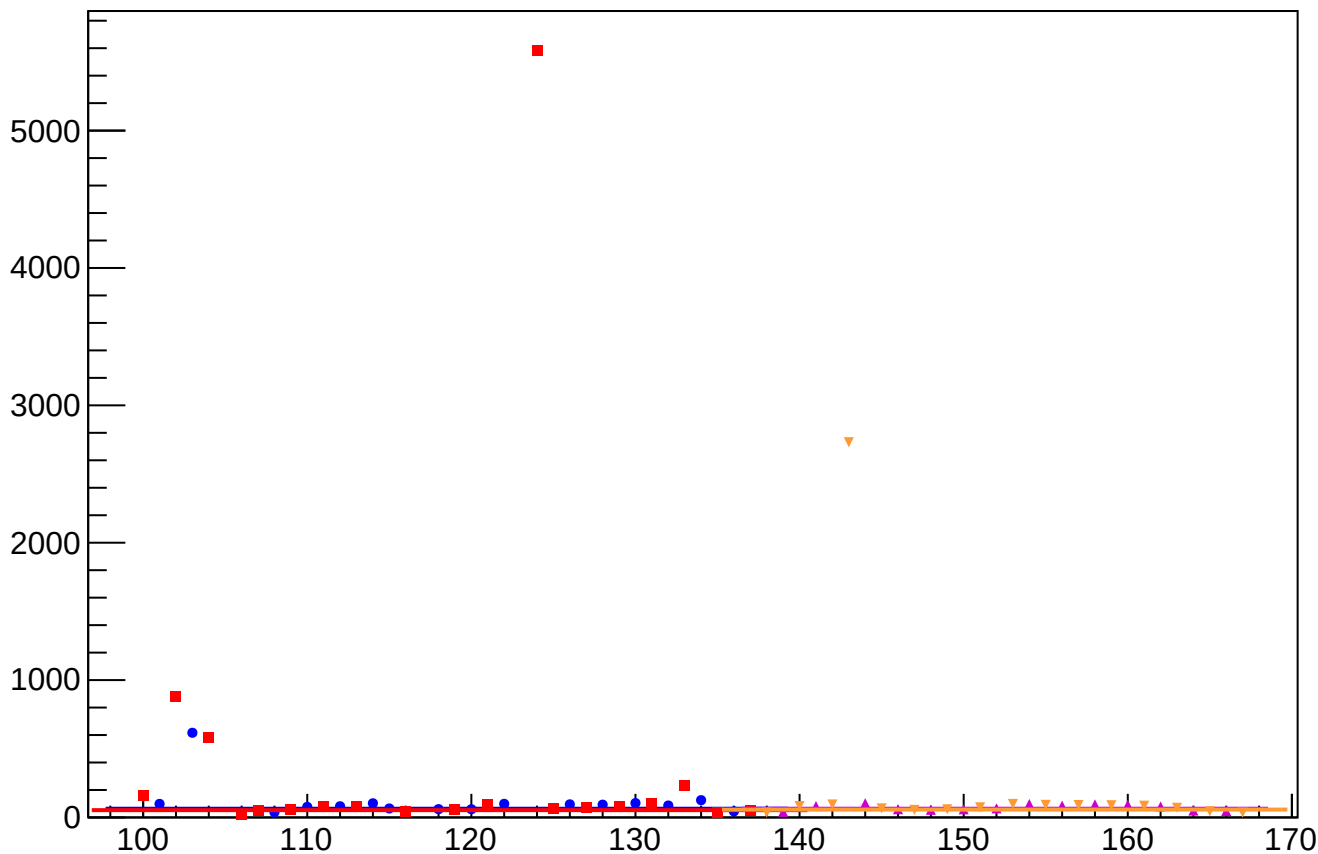
Left In: 0.008 ± 0.021 χ^2/NDF : 9.2/13

+ sign 0.036 ± 0.015 χ^2/NDF : 34.8/31

All: 0.012 ± 0.011 χ^2/NDF : 64.2/64

- sign -0.013 ± 0.016 χ^2/NDF : 24.4/32

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF : 2445255.1/15

Left Out: 57.334+/-0.013 χ^2/NDF : 4197243.5/15

Right Out: 53.206+/-0.018 χ^2/NDF : 3945779.6/18

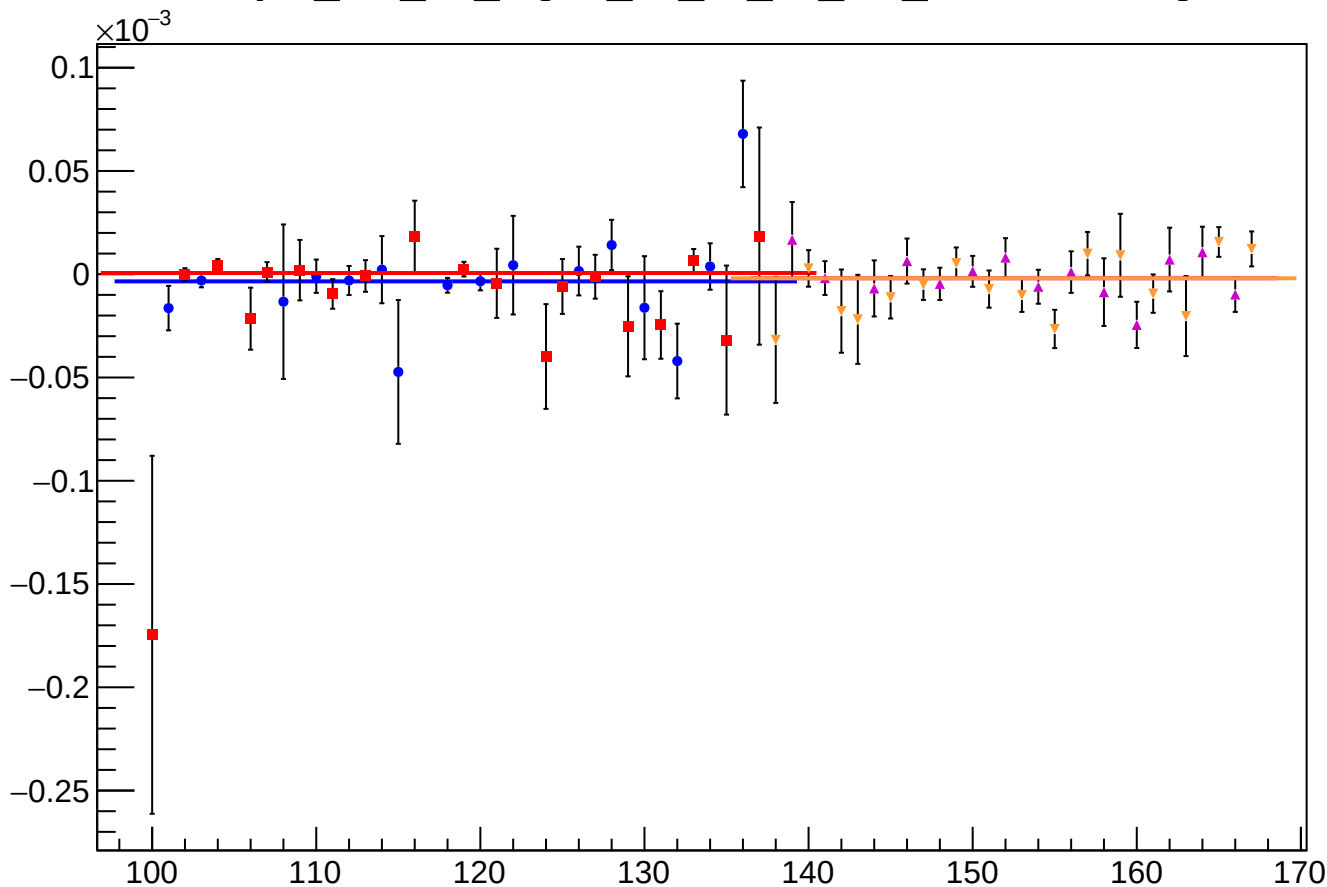
Left In: 63.546+/-0.015 χ^2/NDF : 1740589.6/13

+ sign 59.291+/-0.011 χ^2/NDF : 6711310.6/31

All: 59.320+/-0.008 χ^2/NDF : 12603665.6/64

- sign 59.350+/-0.011 χ^2/NDF : 5892340.5/32

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 24.9/15

Right Out: 0.000+/-0.000 χ^2 /NDF: 19.2/18

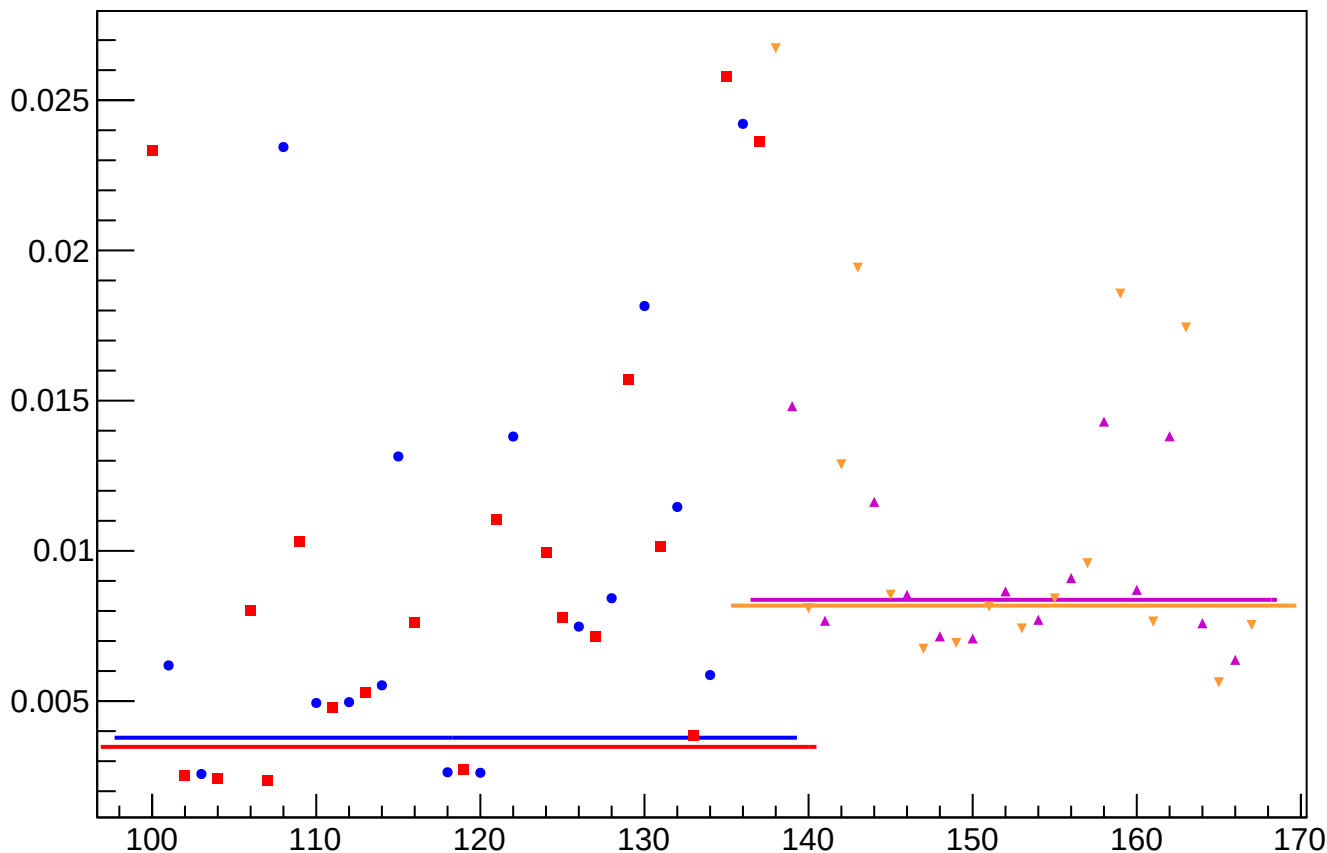
Left In: -0.000+/-0.000 χ^2 /NDF: 10.0/13

+ sign -0.000+/-0.000 χ^2 /NDF: 44.0/31

All: -0.000+/-0.000 χ^2 /NDF: 76.0/64

- sign -0.000+/-0.000 χ^2 /NDF: 29.9/32

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF : 2839802.8/15

Right Out: 0.003+/-0.000 χ^2/NDF : 4495340.7/18

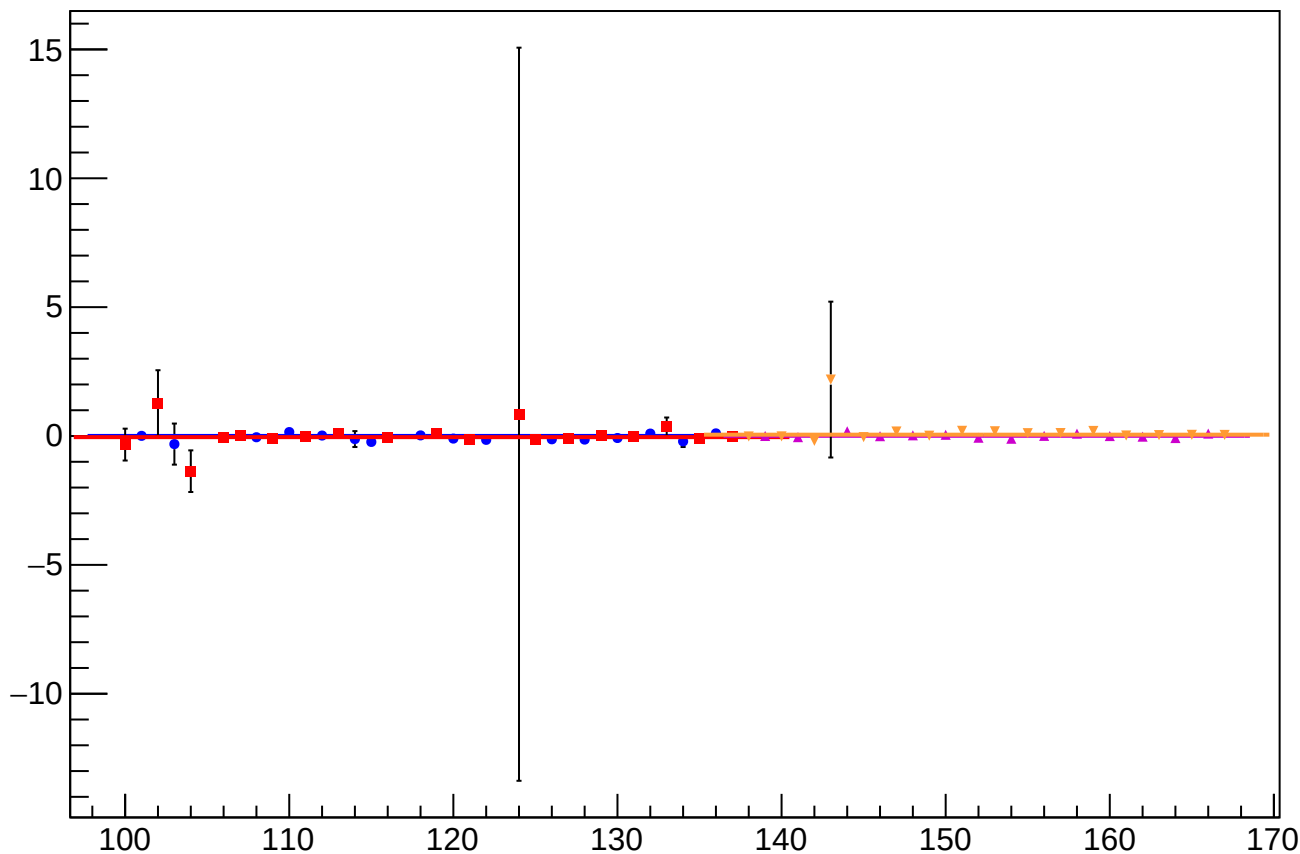
Left In: 0.008+/-0.000 χ^2/NDF : 1144809.0/13

+ sign 0.005+/-0.000 χ^2/NDF : 11617546.7/31

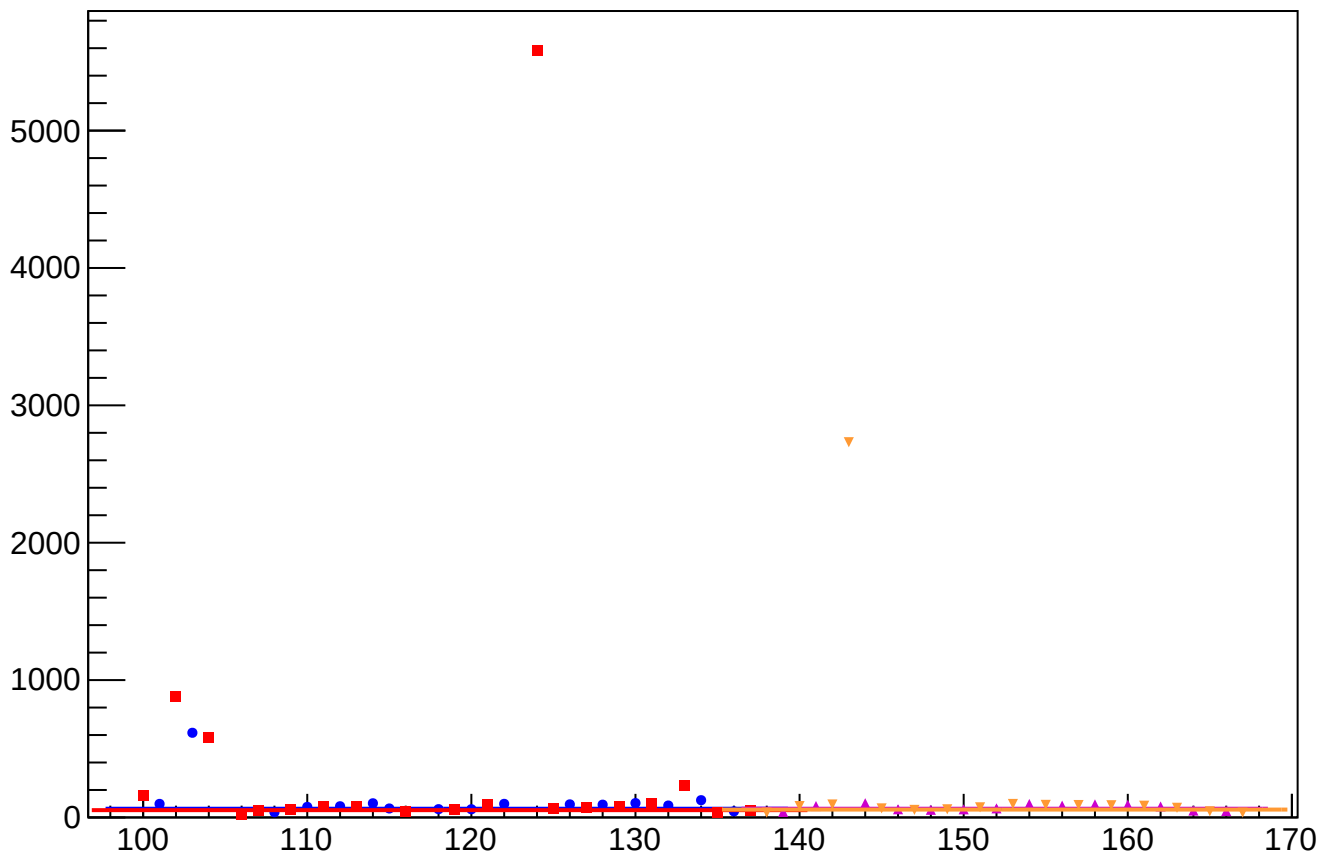
All: 0.005+/-0.000 χ^2/NDF : 22445612.7/64

- sign 0.005+/-0.000 χ^2/NDF : 10628835.8/32

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



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: 57.333+/-0.013 χ^2/NDF : 4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

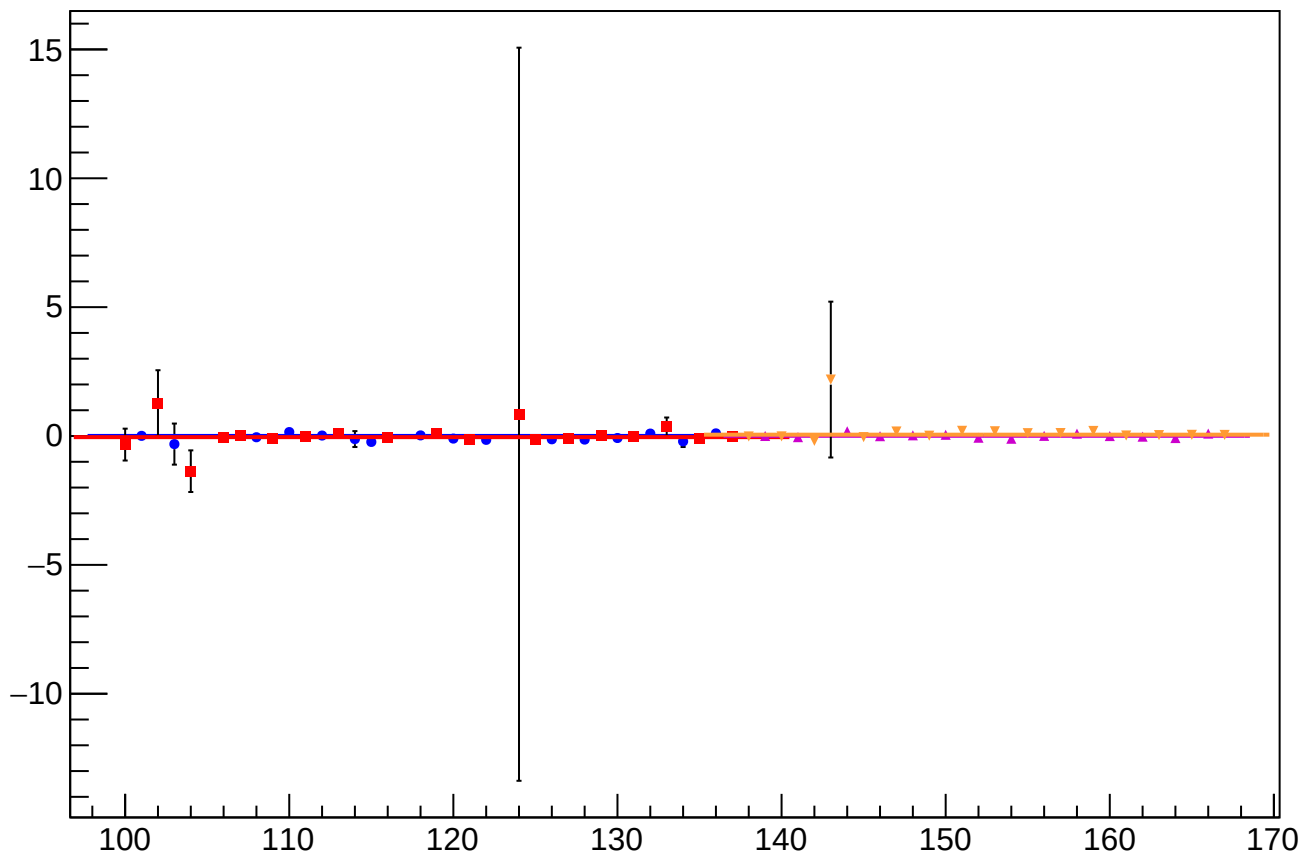
Left In: 63.549+/-0.015 χ^2/NDF : 1740118.2/13

+ sign 59.293+/-0.011 χ^2/NDF : 6710319.6/31

All: 59.320+/-0.008 χ^2/NDF : 12603067.6/64

- sign 59.349+/-0.011 χ^2/NDF : 5892734.9/32

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: 0.052 ± 0.019 χ^2/NDF : 19.4/15

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

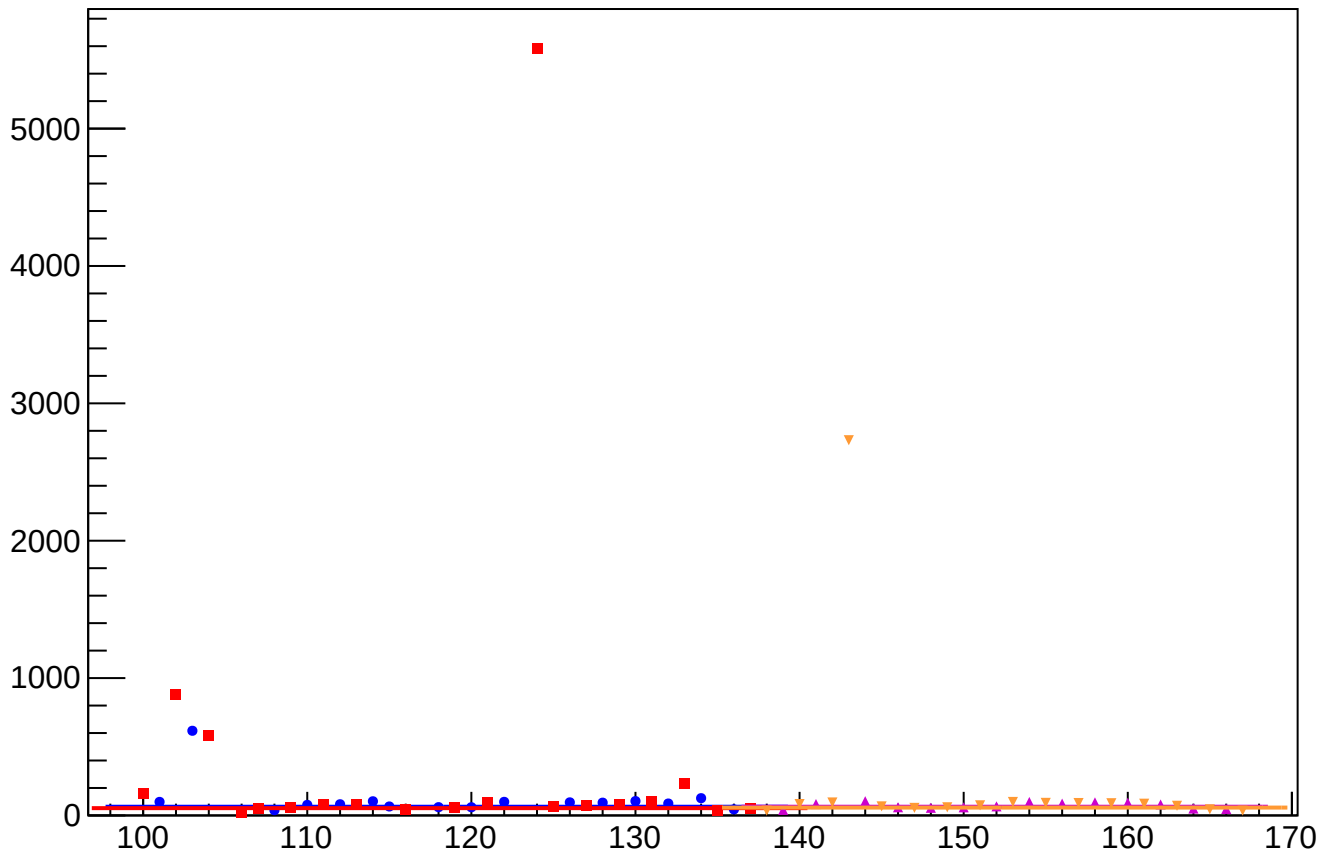
Left In: 0.008 ± 0.021 χ^2/NDF : 9.2/13

+ sign 0.036 ± 0.015 χ^2/NDF : 34.8/31

All: 0.012 ± 0.011 χ^2/NDF : 64.2/64

- sign -0.013 ± 0.016 χ^2/NDF : 24.4/32

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: 57.333+/-0.013 χ^2/NDF : 4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

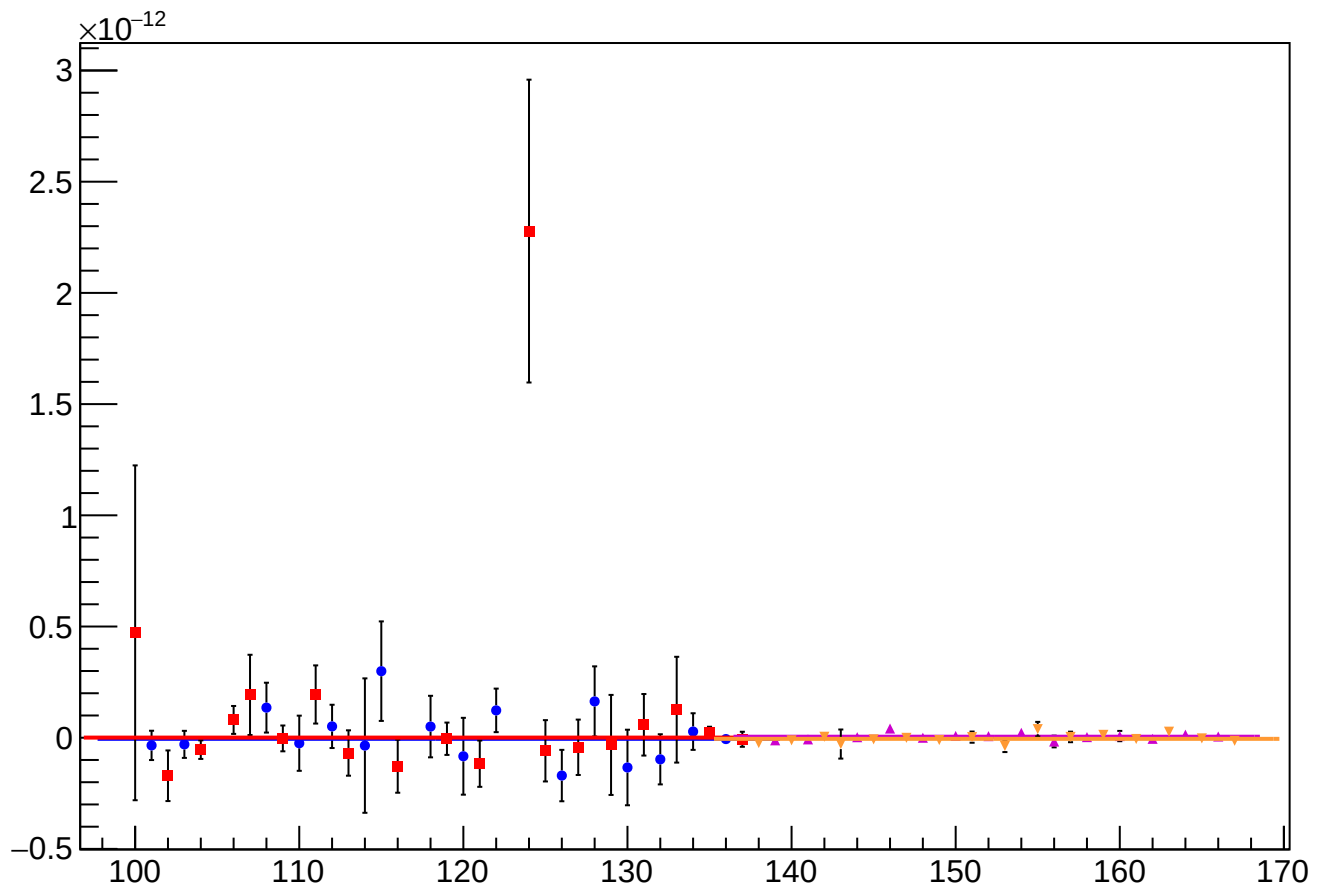
Left In: 63.549+/-0.015 χ^2/NDF : 1740118.2/13

+ sign 59.293+/-0.011 χ^2/NDF : 6710319.6/31

All: 59.320+/-0.008 χ^2/NDF : 12603067.6/64

- sign 59.349+/-0.011 χ^2/NDF : 5892734.9/32

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 : 10.2/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.1/18

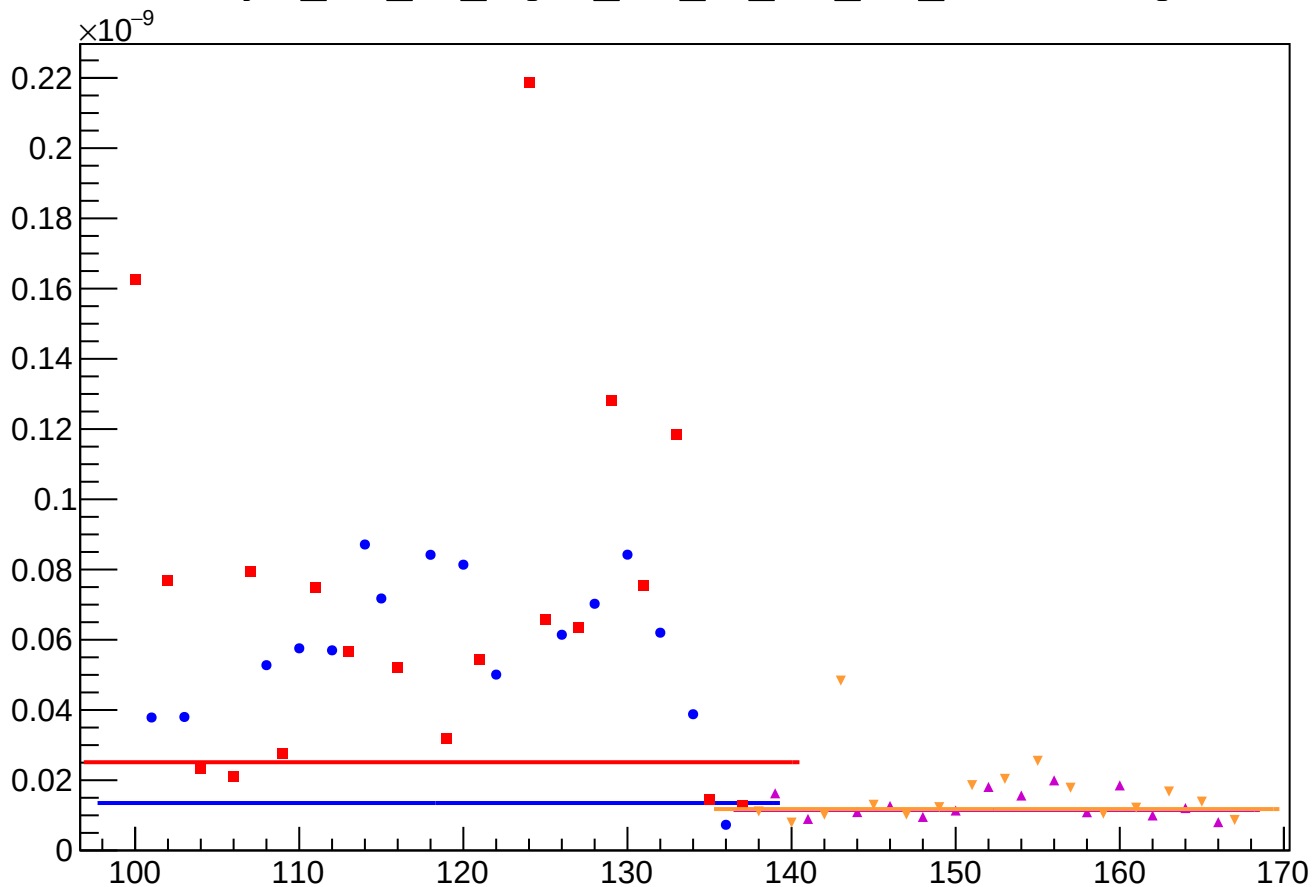
Left In: 0.000 ± 0.000 χ^2/NDF : 9.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 21.0/31

All: -0.000 ± 0.000 χ^2/NDF : 57.9/64

- sign 0.000 ± 0.000 χ^2/NDF : 34.2/32

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4993378.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2078676.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3578472.9/18

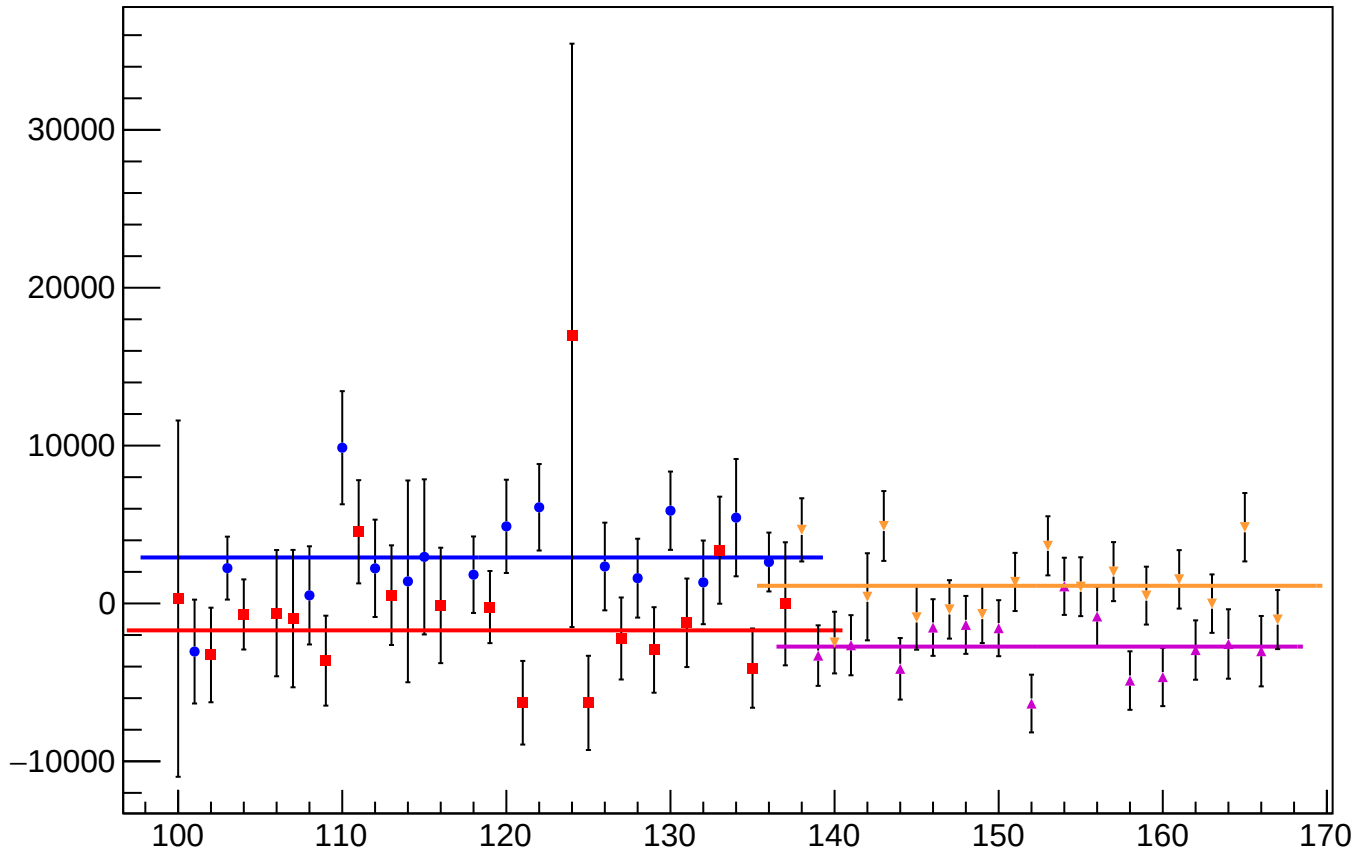
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1043491.6/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7120300.4/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 13270413.4/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6134111.0/32

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991 ± 695.062 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 1118.565 ± 487.607 $\chi^2/\text{NDF}: 18.9/15$

Right Out: -1704.904 ± 706.846 $\chi^2/\text{NDF}: 15.8/18$

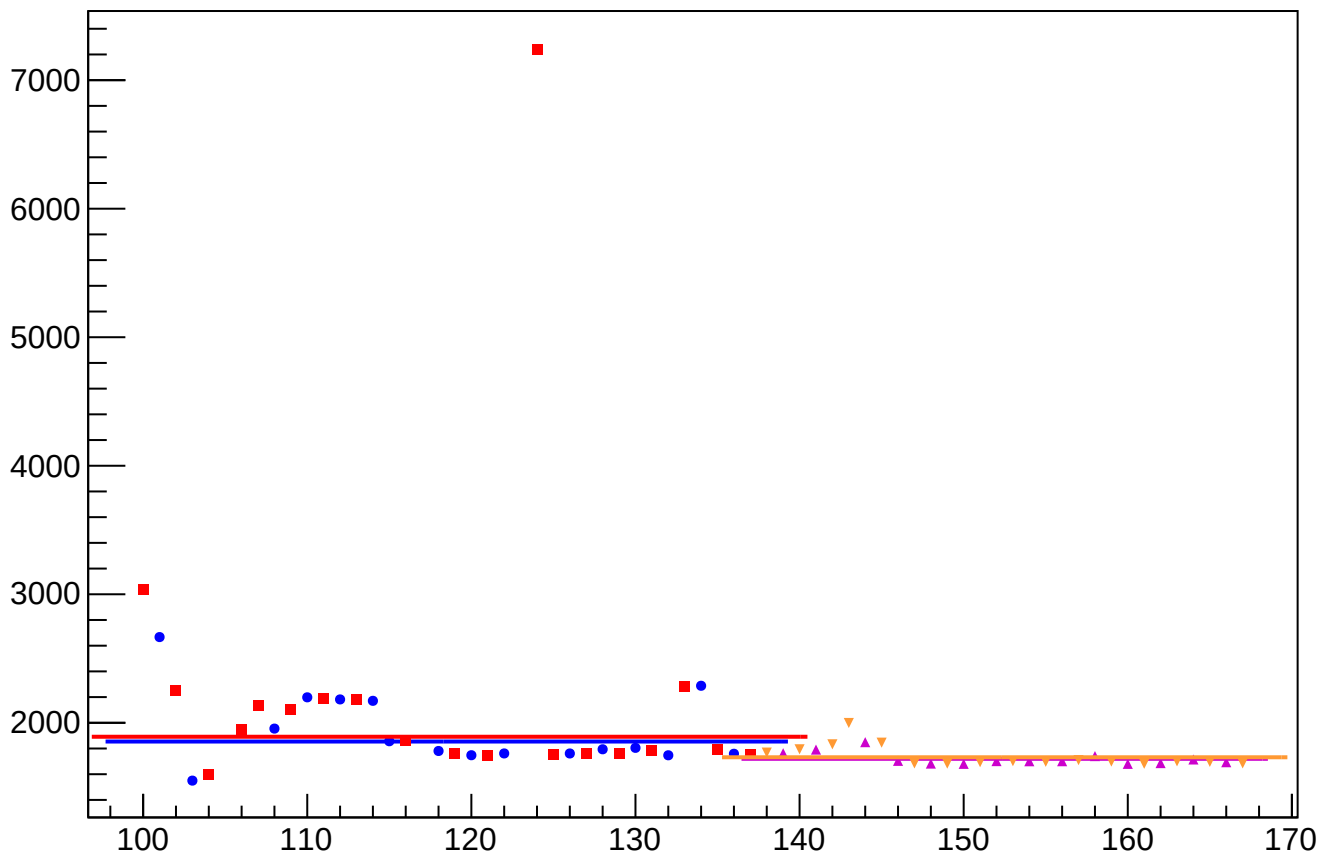
Left In: -2733.966 ± 506.283 $\chi^2/\text{NDF}: 13.9/13$

+ sign 1710.409 ± 399.176 $\chi^2/\text{NDF}: 35.8/31$

All: -274.597 ± 286.550 $\chi^2/\text{NDF}: 118.0/64$

- sign -2385.041 ± 411.595 $\chi^2/\text{NDF}: 31.1/32$

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314 ± 0.491 χ^2/NDF : 263322.7/15

Left Out: 1731.744 ± 0.345 χ^2/NDF : 50380.3/15

Right Out: 1891.469 ± 0.499 χ^2/NDF : 364050.6/18

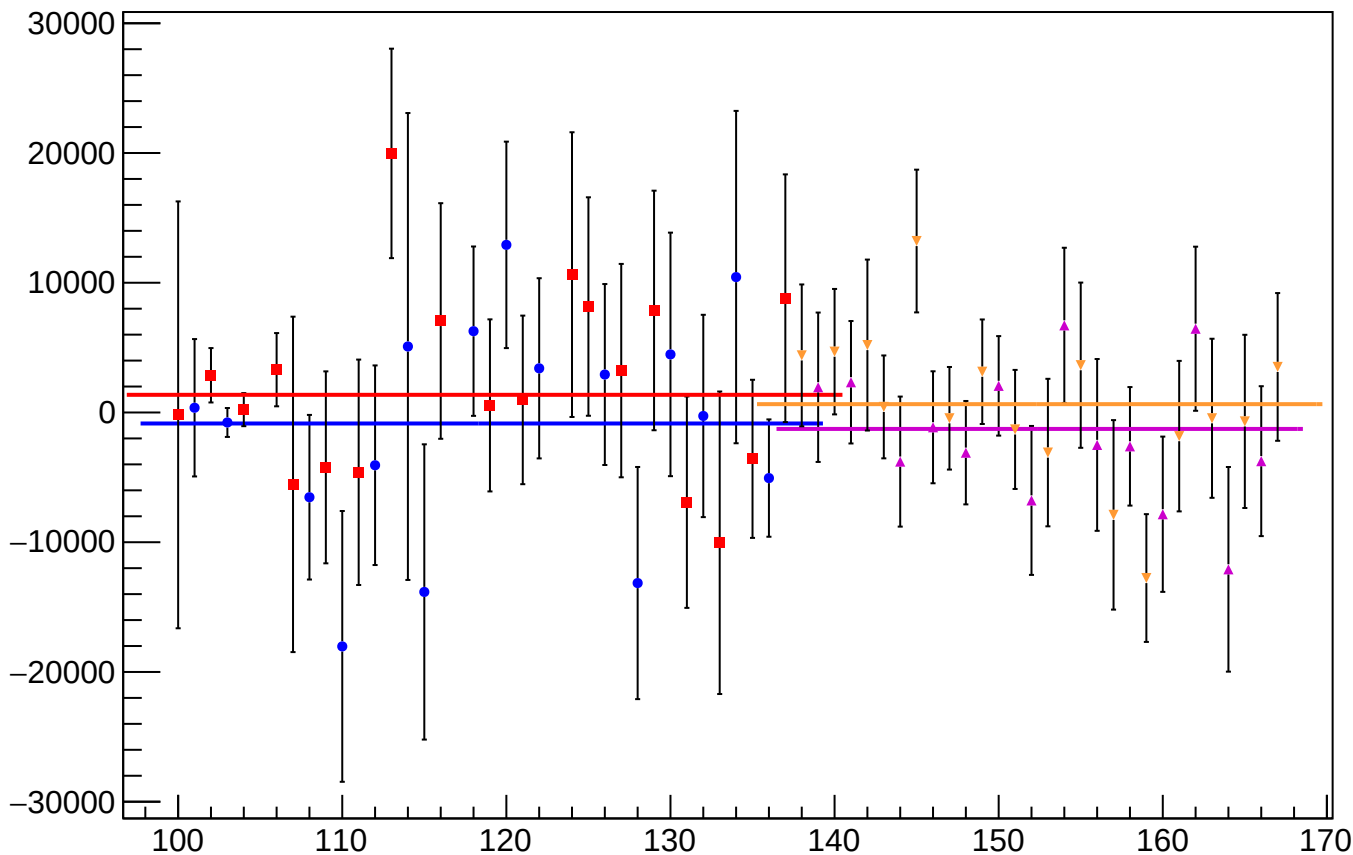
Left In: 1719.794 ± 0.358 χ^2/NDF : 17330.8/13

+ sign 1772.171 ± 0.282 χ^2/NDF : 355383.7/31

All: 1775.087 ± 0.203 χ^2/NDF : 815198.0/64

- sign 1778.183 ± 0.291 χ^2/NDF : 459594.2/32

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977 ± 962.920 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 642.117 ± 1297.191 $\chi^2/\text{NDF}: 17.5/15$

Right Out: 1361.523 ± 915.925 $\chi^2/\text{NDF}: 14.0/18$

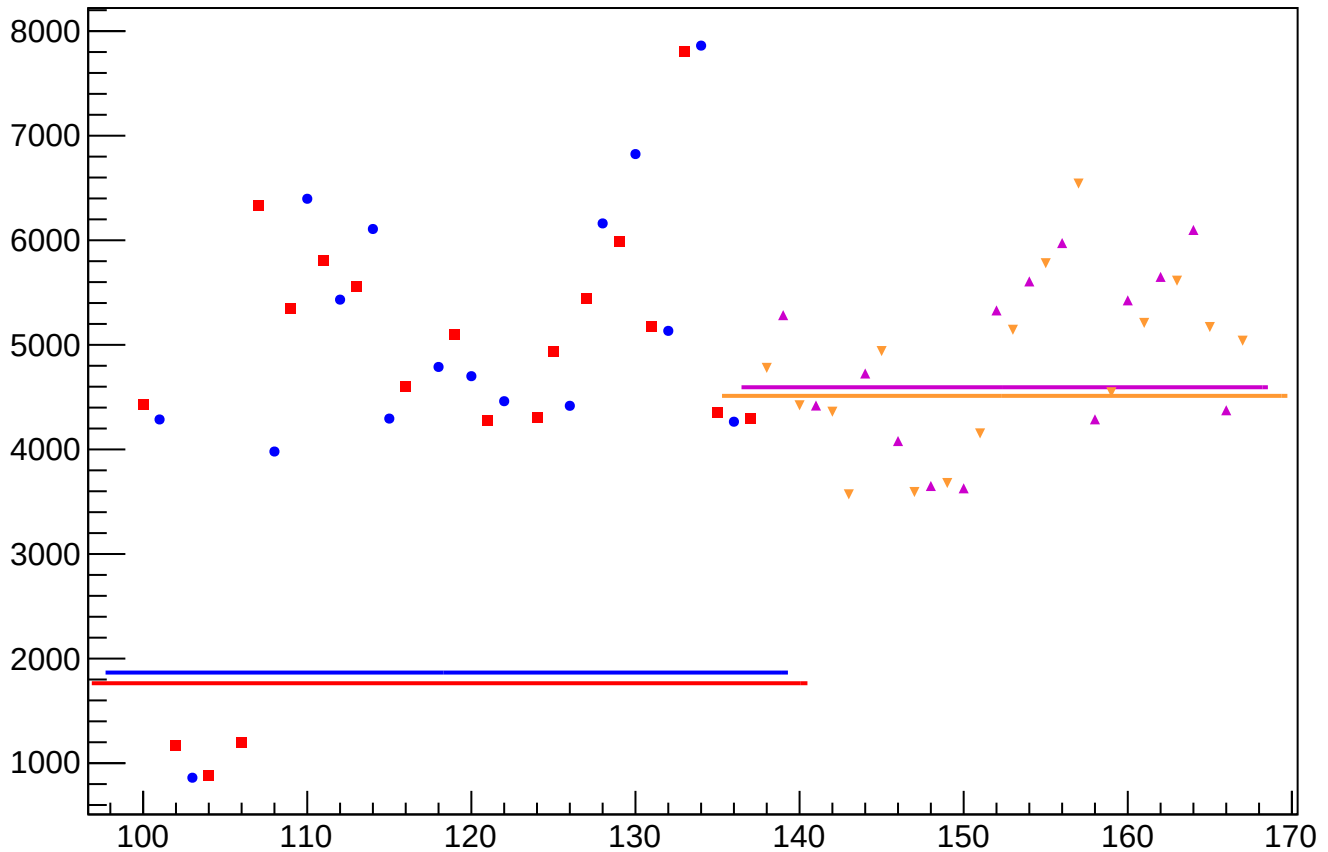
Left In: -1267.362 ± 1376.804 $\chi^2/\text{NDF}: 9.7/13$

+ sign -318.598 ± 773.180 $\chi^2/\text{NDF}: 32.2/31$

All: 124.228 ± 542.939 $\chi^2/\text{NDF}: 59.1/64$

- sign 555.009 ± 762.592 $\chi^2/\text{NDF}: 26.2/32$

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF : 6849638.3/15

Left Out: 4512.225+/-0.917 χ^2/NDF : 726266.0/15

Right Out: 1764.281+/-0.648 χ^2/NDF : 6434807.7/18

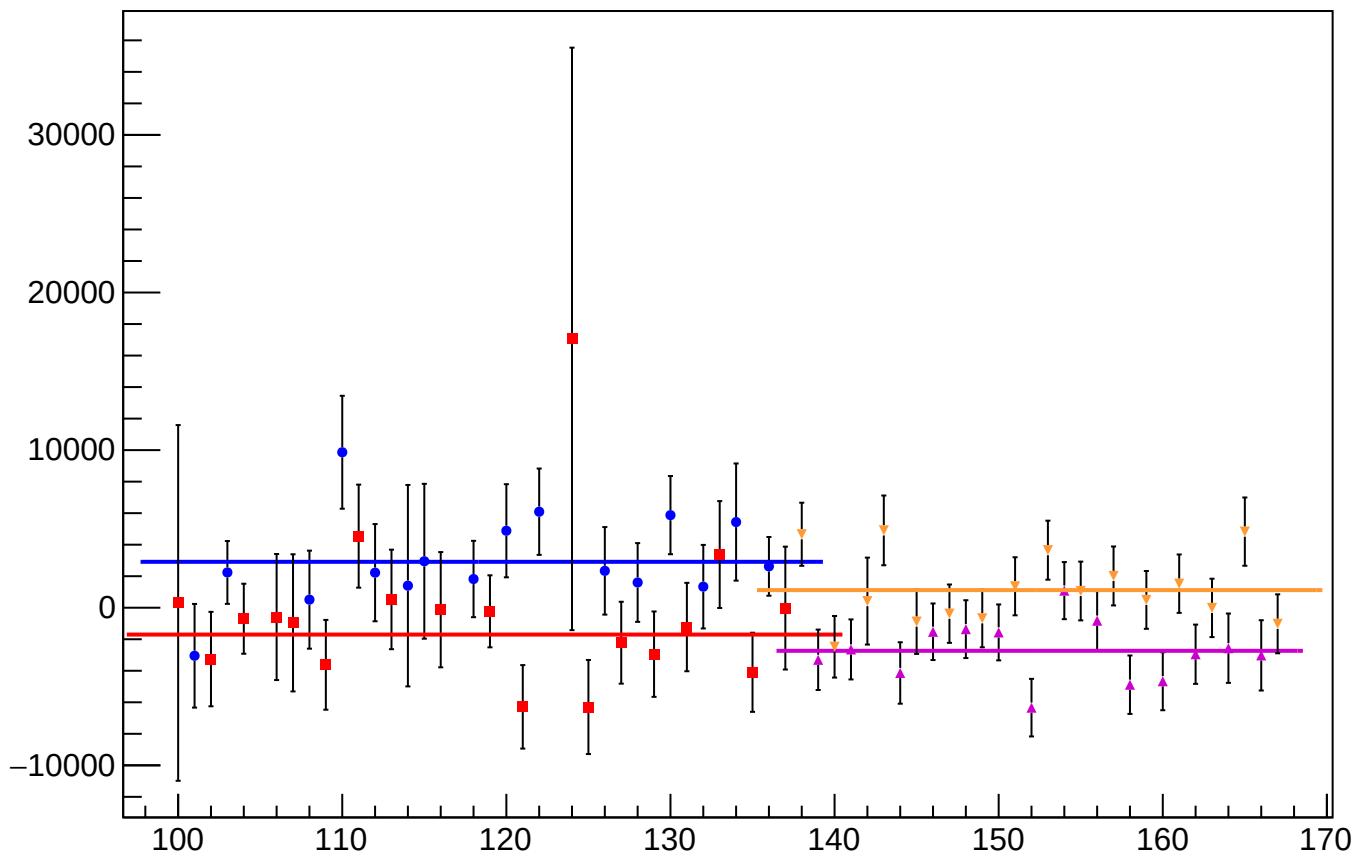
Left In: 4594.580+/-0.974 χ^2/NDF : 656142.3/13

+ sign 2806.373+/-0.547 χ^2/NDF : 12940331.5/31

All: 2718.282+/-0.384 χ^2/NDF : 25941387.0/6

- sign 2632.587+/-0.539 χ^2/NDF : 12949838.1/32

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 ± 695.062 χ^2/NDF : 12.4/15

Left Out: 1118.423 ± 487.607 χ^2/NDF : 18.9/15

Right Out: -1703.523 ± 706.847 χ^2/NDF : 15.8/18

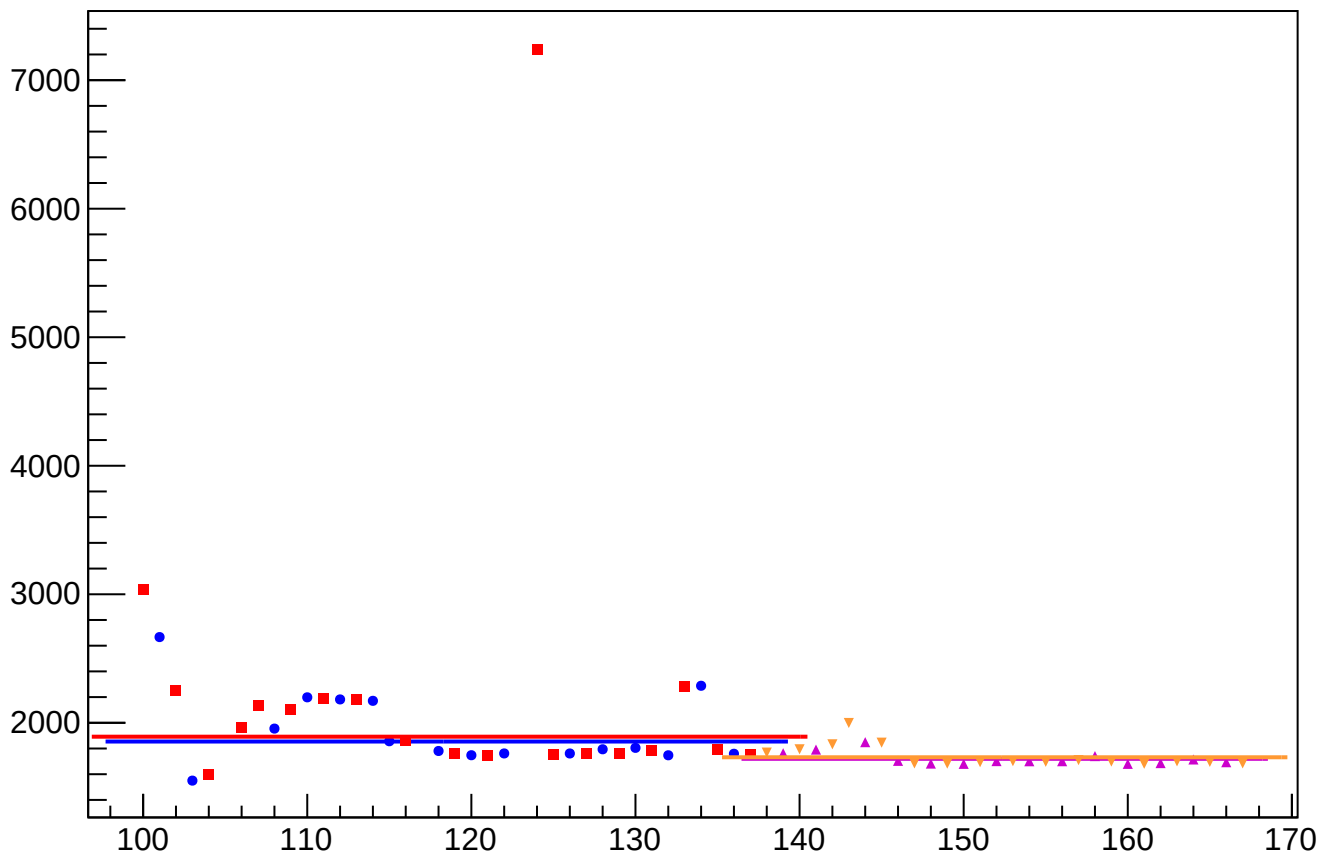
Left In: -2734.033 ± 506.283 χ^2/NDF : 13.9/13

+ sign 1710.346 ± 399.176 χ^2/NDF : 35.8/31

All: -274.423 ± 286.550 χ^2/NDF : 118.0/64

- sign -2384.618 ± 411.595 χ^2/NDF : 31.2/32

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF : 50380.3/15

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

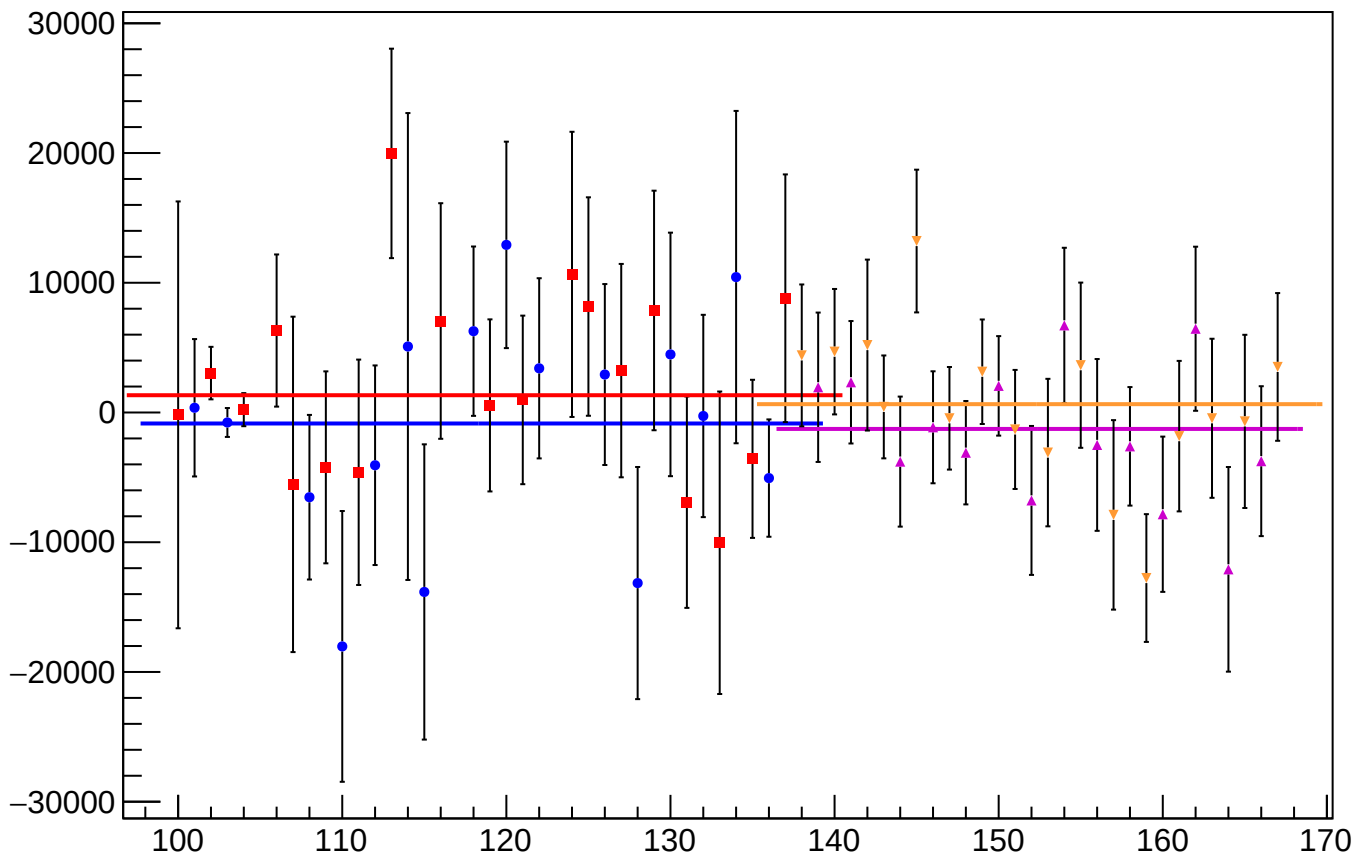
Left In: 1719.794+/-0.358 χ^2/NDF : 17330.8/13

+ sign 1772.171+/-0.282 χ^2/NDF : 355383.6/31

All: 1775.154+/-0.203 χ^2/NDF : 815844.4/64

- sign 1778.321+/-0.291 χ^2/NDF : 460230.4/32

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504 $\pm$ 962.866 χ^2/NDF : 13.9/15

Left Out: 642.101 $\pm$ 1297.189 χ^2/NDF : 17.5/15

Right Out: 1331.371 $\pm$ 948.163 χ^2/NDF : 14.4/18

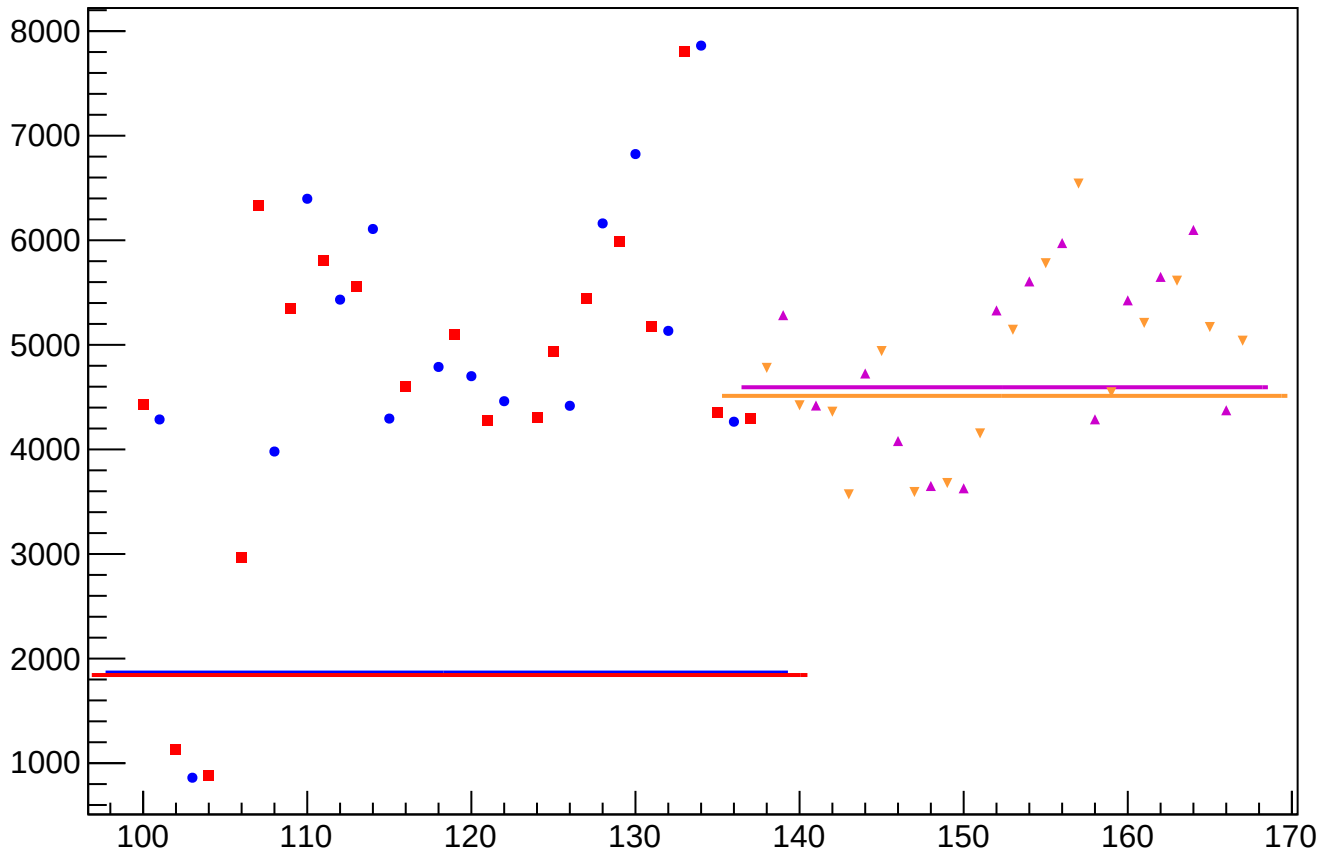
Left In: -1267.480 $\pm$ 1376.804 χ^2/NDF : 9.7/13

+ sign -318.335 $\pm$ 773.152 χ^2/NDF : 32.2/31

All: 84.441 $\pm$ 549.420 χ^2/NDF : 59.3/64

- sign 495.331 $\pm$ 780.899 χ^2/NDF : 26.5/32

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251 $\pm$ 0.681 χ^2/NDF : 6850061.4/15

Left Out: 4512.218 $\pm$ 0.917 χ^2/NDF : 726276.7/15

Right Out: 1842.882 $\pm$ 0.670 χ^2/NDF : 6458456.4/18

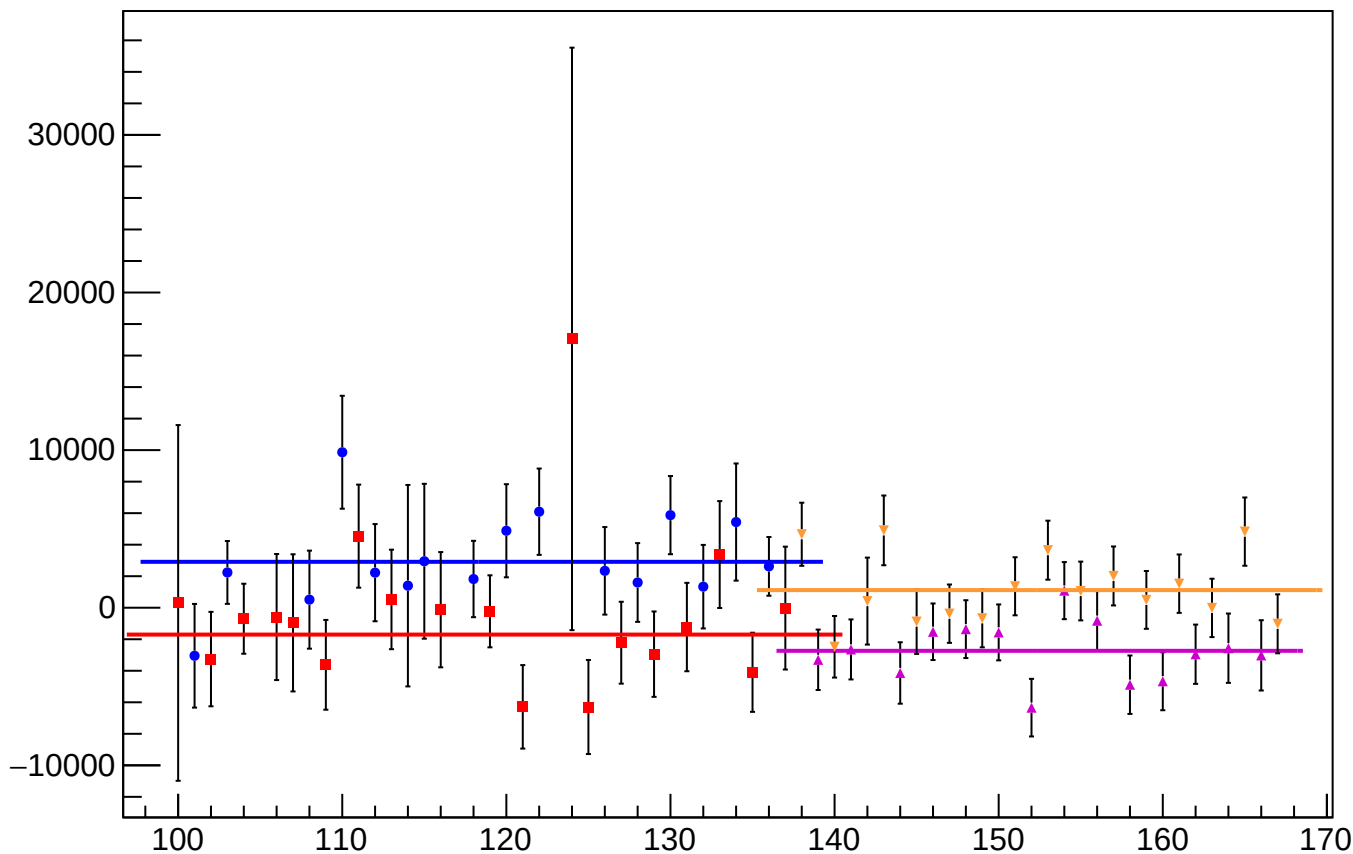
Left In: 4594.578 $\pm$ 0.974 χ^2/NDF : 656156.4/13

+ sign 2806.207 $\pm$ 0.547 χ^2/NDF : 12941582.0/31

All: 2767.539 $\pm$ 0.388 χ^2/NDF : 25485197.1/6

- sign 2728.092 $\pm$ 0.552 χ^2/NDF : 12533509.0/32

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 ± 695.062 χ^2/NDF : 12.4/15

Left Out: 1118.423 ± 487.607 χ^2/NDF : 18.9/15

Right Out: -1703.523 ± 706.847 χ^2/NDF : 15.8/18

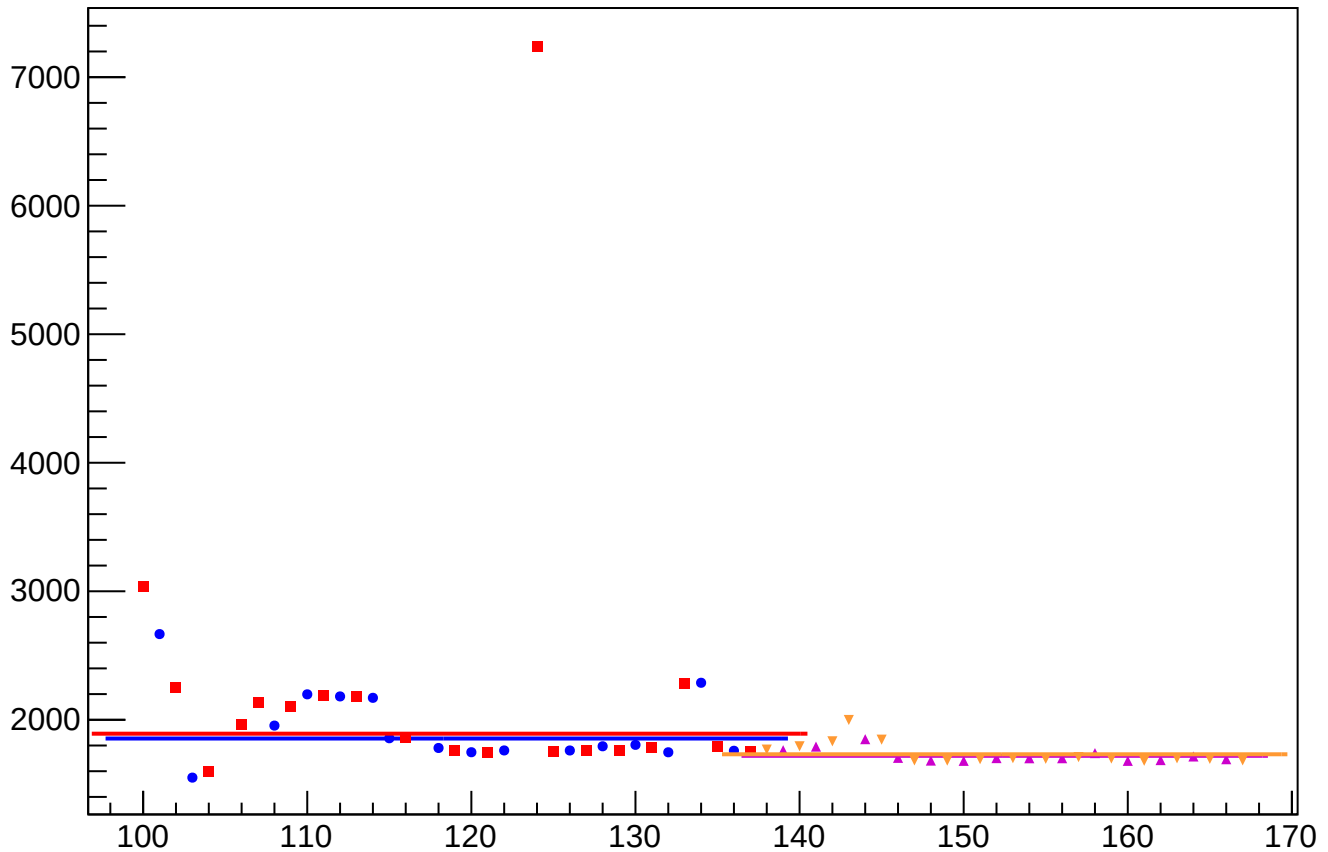
Left In: -2734.033 ± 506.283 χ^2/NDF : 13.9/13

+ sign 1710.346 ± 399.176 χ^2/NDF : 35.8/31

All: -274.423 ± 286.550 χ^2/NDF : 118.0/64

- sign -2384.618 ± 411.595 χ^2/NDF : 31.2/32

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF : 50380.3/15

+ sign 1772.171+/-0.282 χ^2/NDF : 355383.6/31

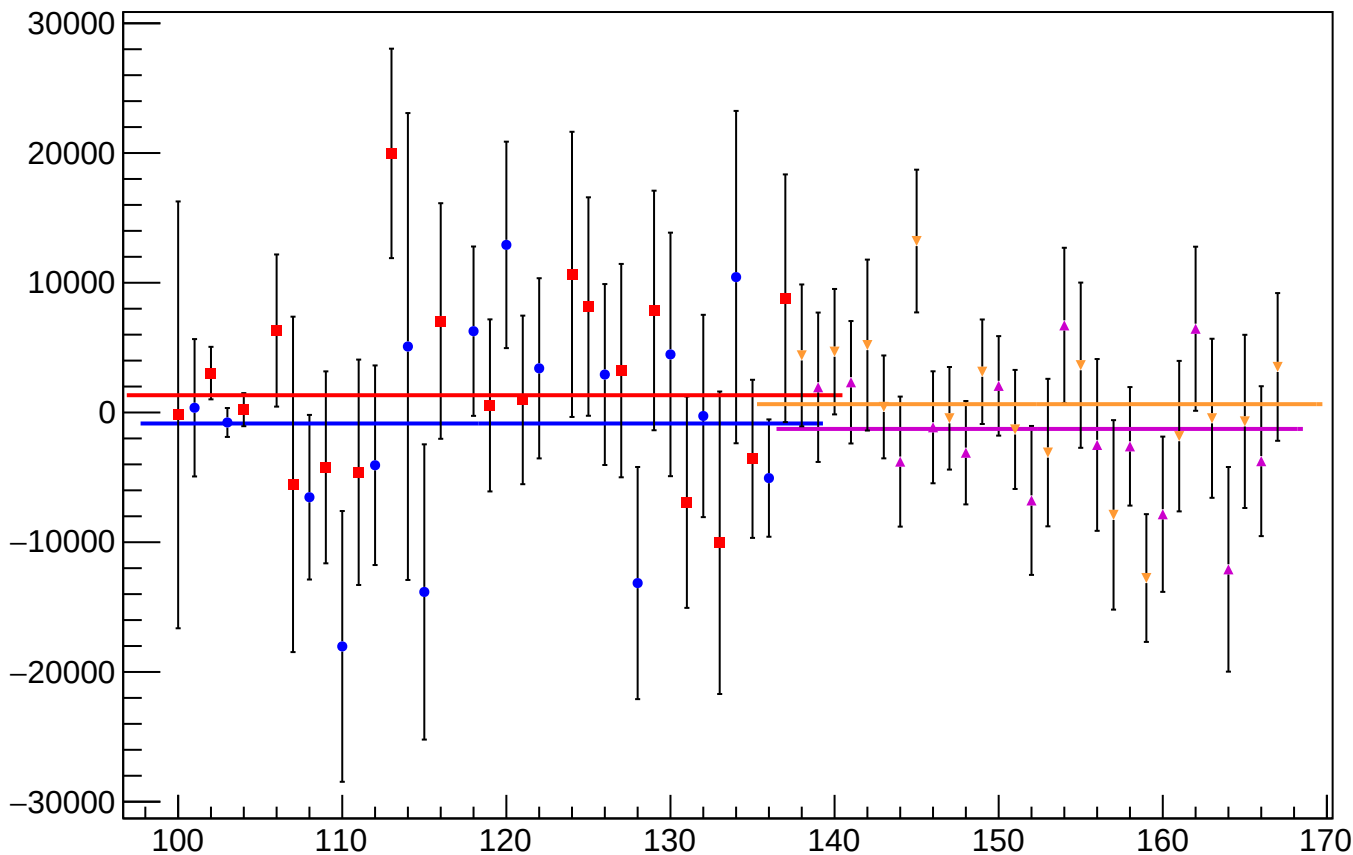
Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

All: 1775.154+/-0.203 χ^2/NDF : 815844.4/64

Left In: 1719.794+/-0.358 χ^2/NDF : 17330.8/13

- sign 1778.321+/-0.291 χ^2/NDF : 460230.4/32

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504 ± 962.866 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 642.101 ± 1297.189 $\chi^2/\text{NDF}: 17.5/15$

Right Out: 1331.371 ± 948.163 $\chi^2/\text{NDF}: 14.4/18$

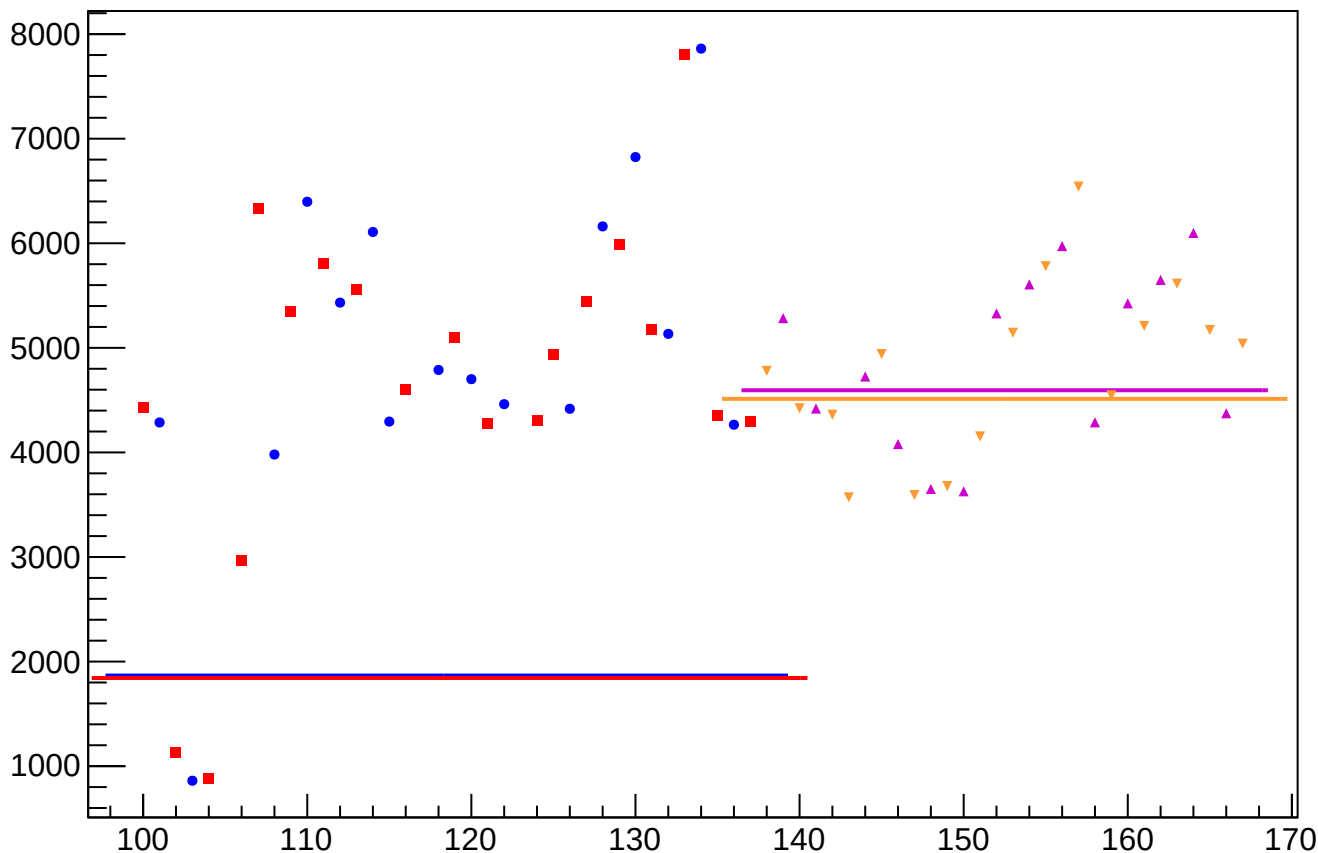
Left In: -1267.480 ± 1376.804 $\chi^2/\text{NDF}: 9.7/13$

+ sign -318.335 ± 773.152 $\chi^2/\text{NDF}: 32.2/31$

All: 84.441 ± 549.420 $\chi^2/\text{NDF}: 59.3/64$

- sign 495.331 ± 780.899 $\chi^2/\text{NDF}: 26.5/32$

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4512.218+/-0.917 χ^2/NDF : 726276.7/15

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

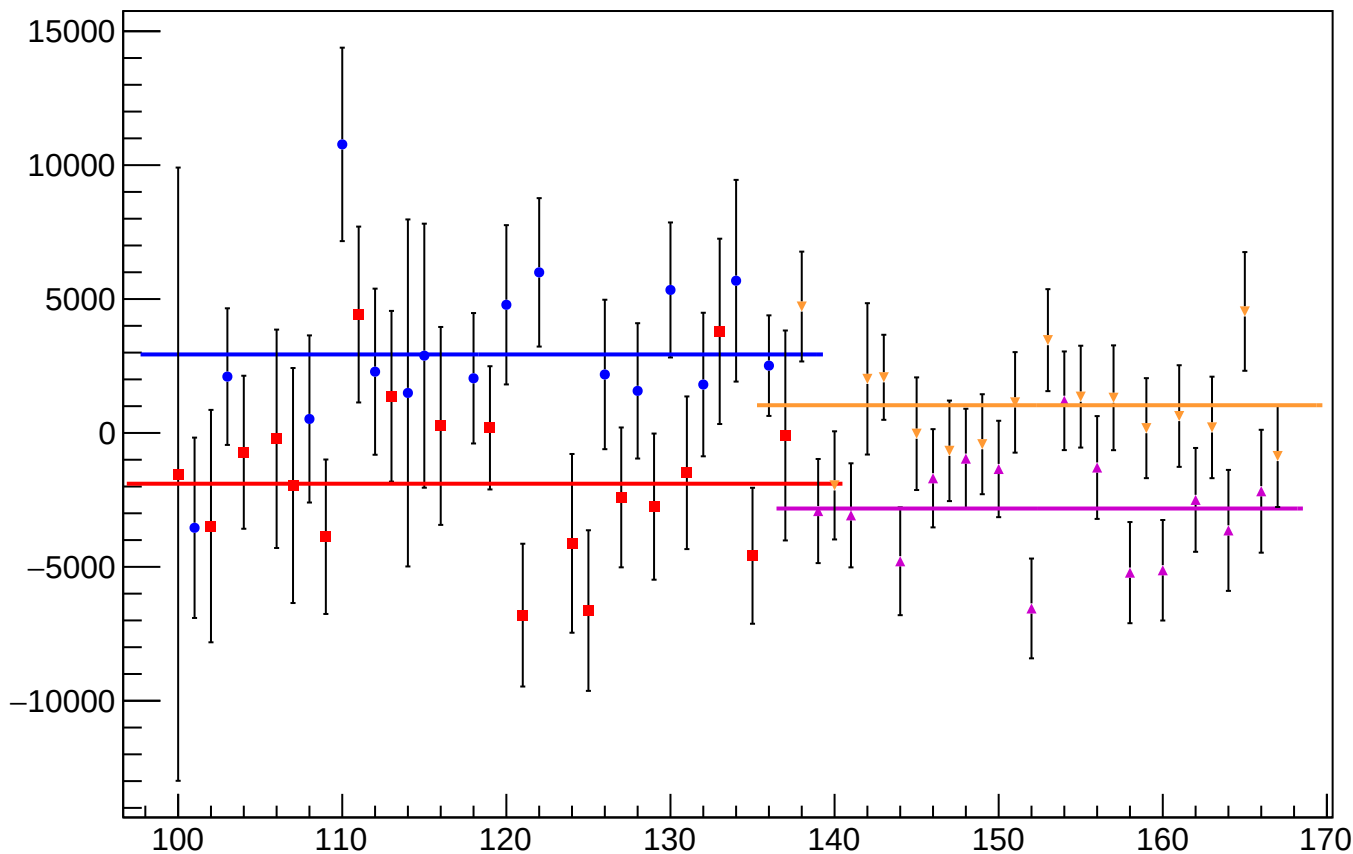
Left In: 4594.578+/-0.974 χ^2/NDF : 656156.4/13

+ sign 2806.207+/-0.547 χ^2/NDF : 12941582.0/31

All: 2767.539+/-0.388 χ^2/NDF : 25485197.1/6

- sign 2728.092+/-0.552 χ^2/NDF : 12533509.0/32

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691 ± 718.305 χ^2/NDF : 13.0/15

Left Out: 1035.318 ± 486.650 χ^2/NDF : 13.3/15

Right Out: -1895.503 ± 721.954 χ^2/NDF : 17.4/18

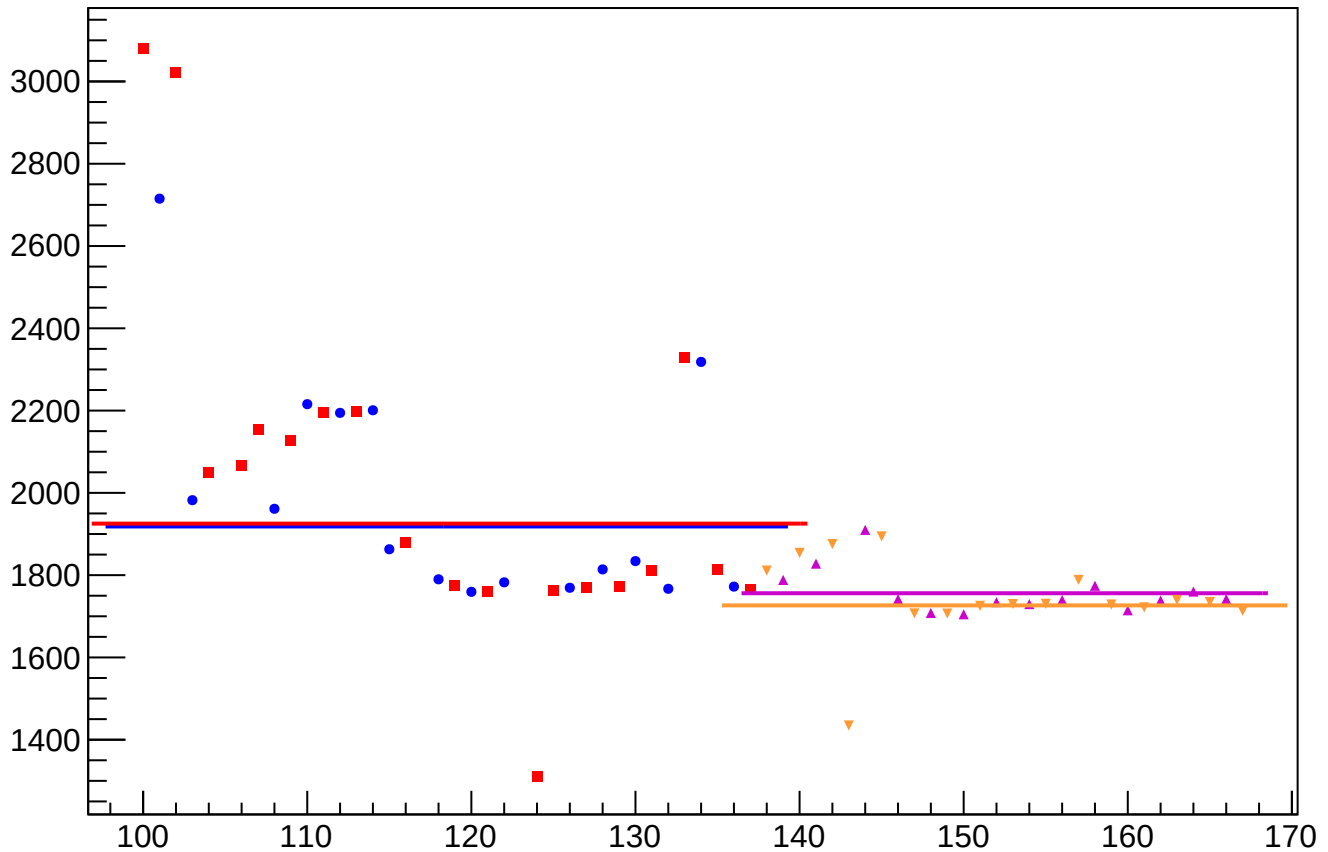
Left In: -2821.690 ± 517.013 χ^2/NDF : 15.8/13

+ sign 1631.917 ± 402.892 χ^2/NDF : 31.0/31

All: -350.184 ± 290.862 χ^2/NDF : 115.9/64

- sign -2507.719 ± 420.344 χ^2/NDF : 34.3/32

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367 +/- 0.508 χ^2/NDF : 215592.7/15

Left Out: 1726.487 +/- 0.344 χ^2/NDF : 99974.6/15

Right Out: 1925.260 +/- 0.510 χ^2/NDF : 339095.4/18

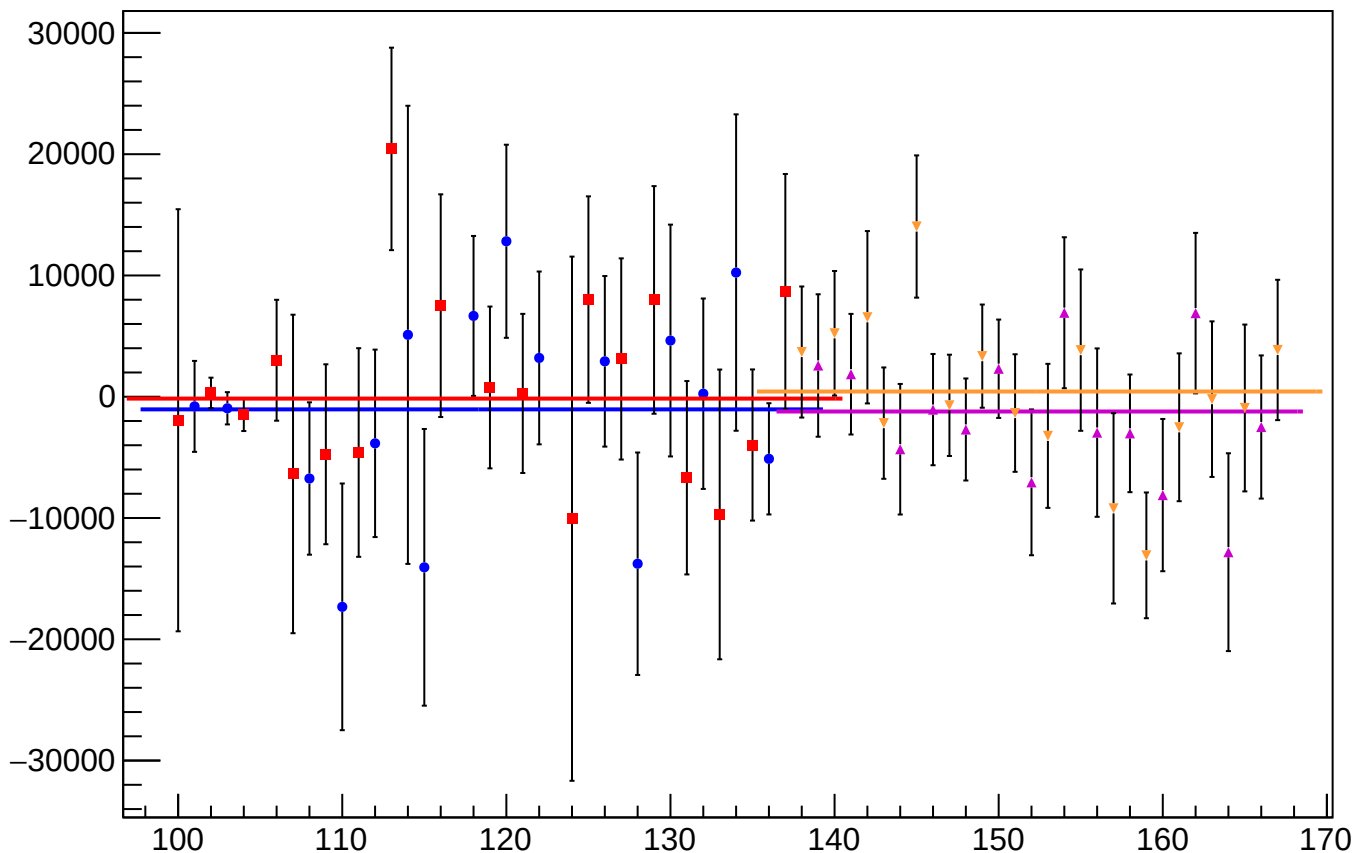
Left In: 1756.033 +/- 0.366 χ^2/NDF : 20307.4/13

+ sign 1786.852 +/- 0.285 χ^2/NDF : 413385.1/31

All: 1799.597 +/- 0.206 χ^2/NDF : 849682.2/64

- sign 1813.462 +/- 0.297 χ^2/NDF : 432118.6/32

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908 $\pm$ 1072.406 χ^2/NDF : 13.8/15

Left Out: 430.679 $\pm$ 1373.288 χ^2/NDF : 17.9/15

Right Out: -153.619 $\pm$ 835.656 χ^2/NDF : 13.7/18

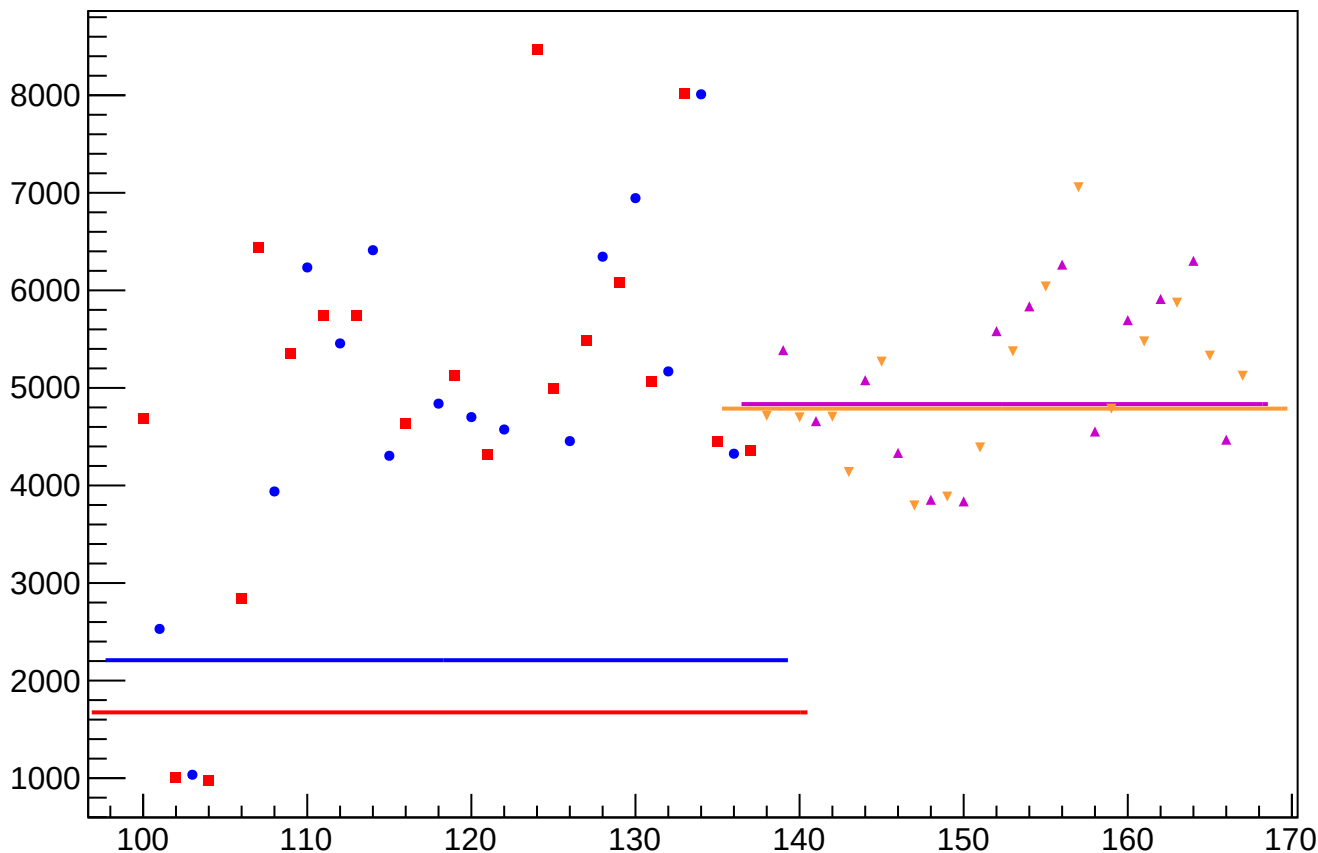
Left In: -1217.145 $\pm$ 1447.315 χ^2/NDF : 9.6/13

+ sign -484.079 $\pm$ 845.224 χ^2/NDF : 32.5/31

All: -446.830 $\pm$ 549.719 χ^2/NDF : 56.3/64

- sign -419.524 $\pm$ 723.689 χ^2/NDF : 23.8/32

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912 $\pm$ 0.758 χ^2 /NDF: 5499011.4/15

Left Out: 4787.918 $\pm$ 0.971 χ^2 /NDF: 630794.3/15

Right Out: 1674.162 $\pm$ 0.591 χ^2 /NDF: 6853212.9/18

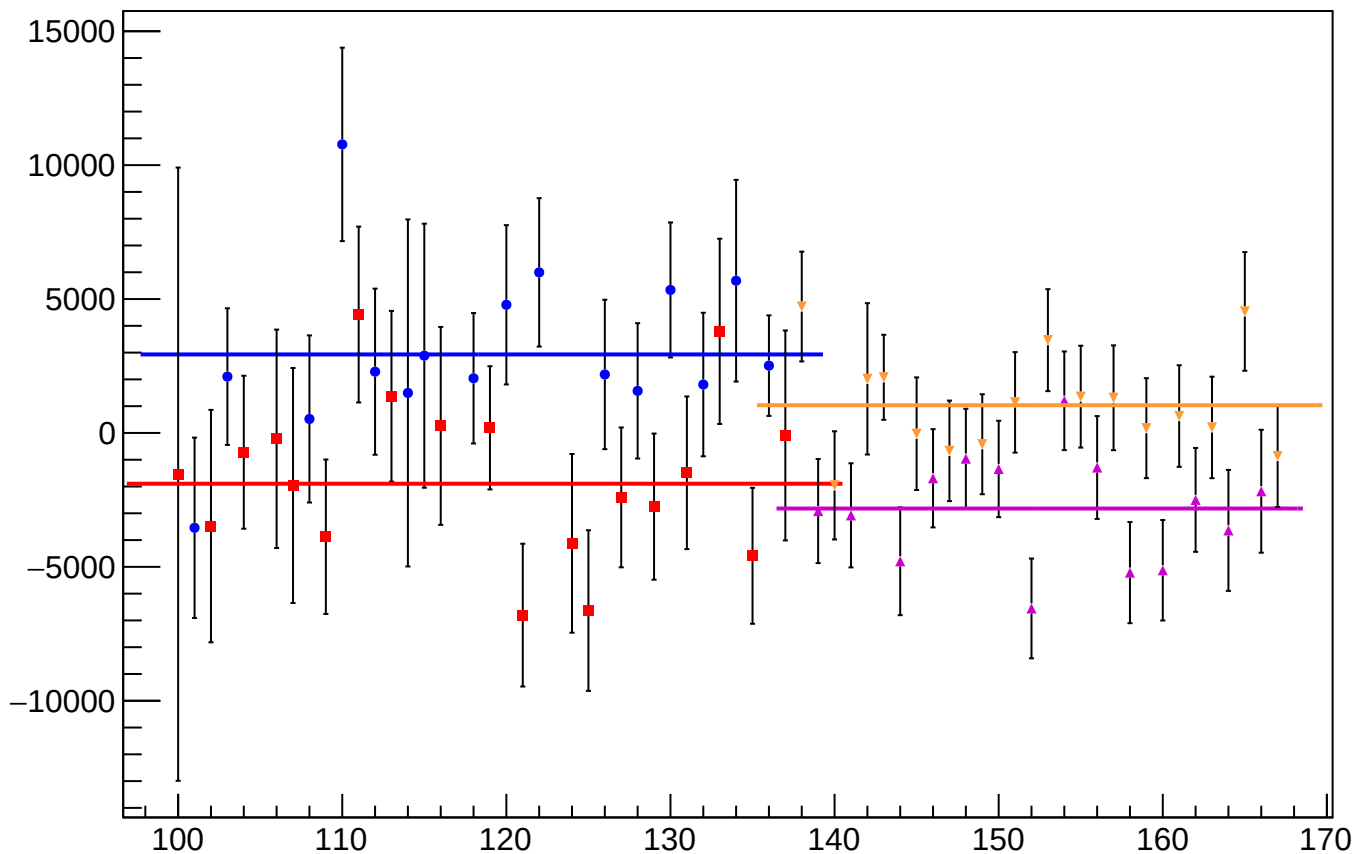
Left In: 4834.202 $\pm$ 1.023 χ^2 /NDF: 615088.5/13

+ sign 3185.862 $\pm$ 0.598 χ^2 /NDF: 10511441.4/31

All: 2769.484 $\pm$ 0.389 χ^2 /NDF: 25971441.8/6

- sign 2464.240 $\pm$ 0.512 χ^2 /NDF: 14618830.0/32

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693 $\pm$ 718.305 χ^2 /NDF: 13.0/15

Left Out: 1035.309 $\pm$ 486.650 χ^2 /NDF:13.3/15

Right Out: -1895.508 $\pm$ 721.953 χ^2 /NDF: 17.4/18

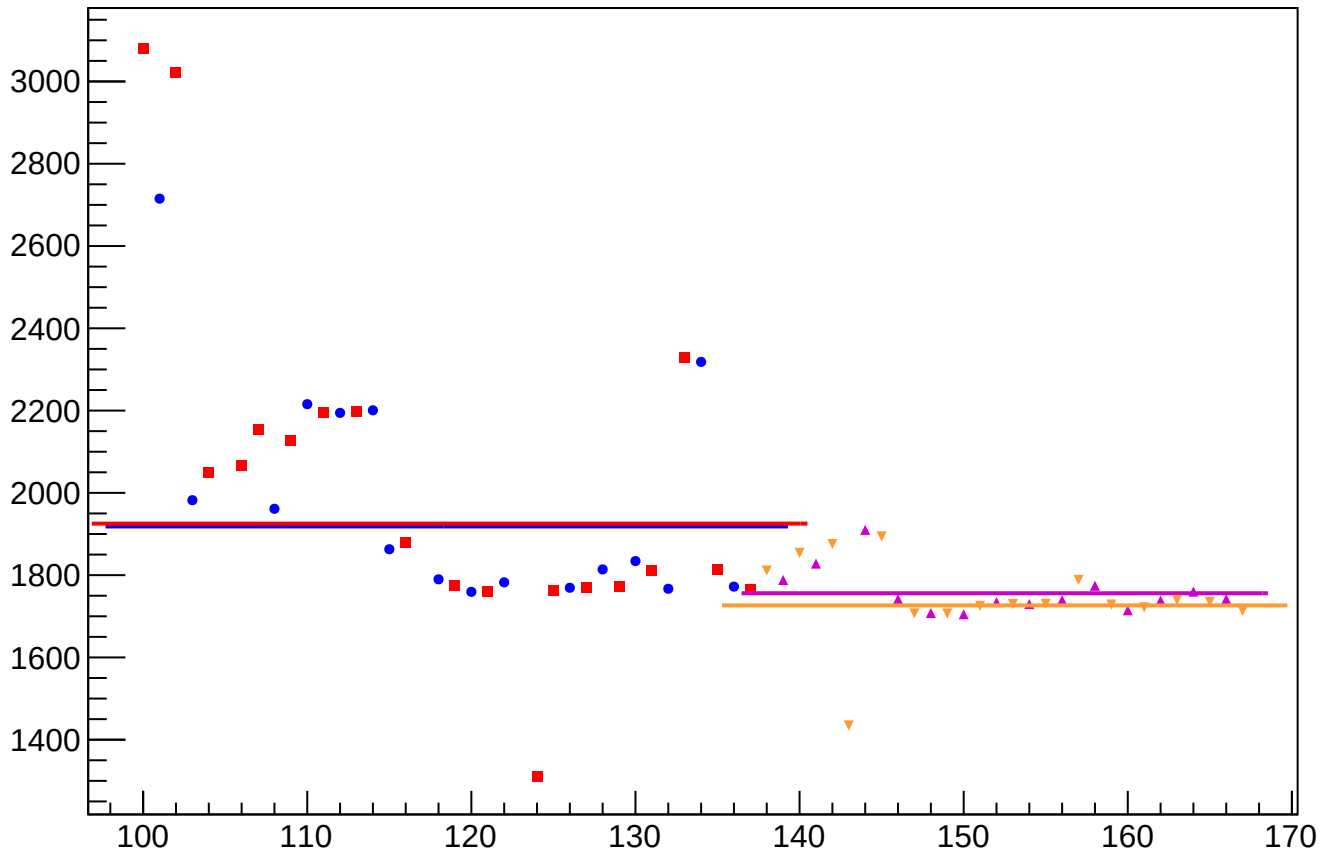
Left In: -2821.694 $\pm$ 517.014 χ^2 /NDF:15.8/13

+ sign 1631.912 $\pm$ 402.892 χ^2 /NDF: 31.0/31

All: -350.188 $\pm$ 290.862 χ^2 /NDF: 115.9/64

- sign -2507.723 $\pm$ 420.344 χ^2 /NDF: 34.3/32

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367 $\pm$ 0.508 χ^2 /NDF: 215592.7/15

Left Out: 1726.488 $\pm$ 0.344 χ^2 /NDF: 99973.7/15

Right Out: 1925.259 $\pm$ 0.510 χ^2 /NDF: 339094.4/18

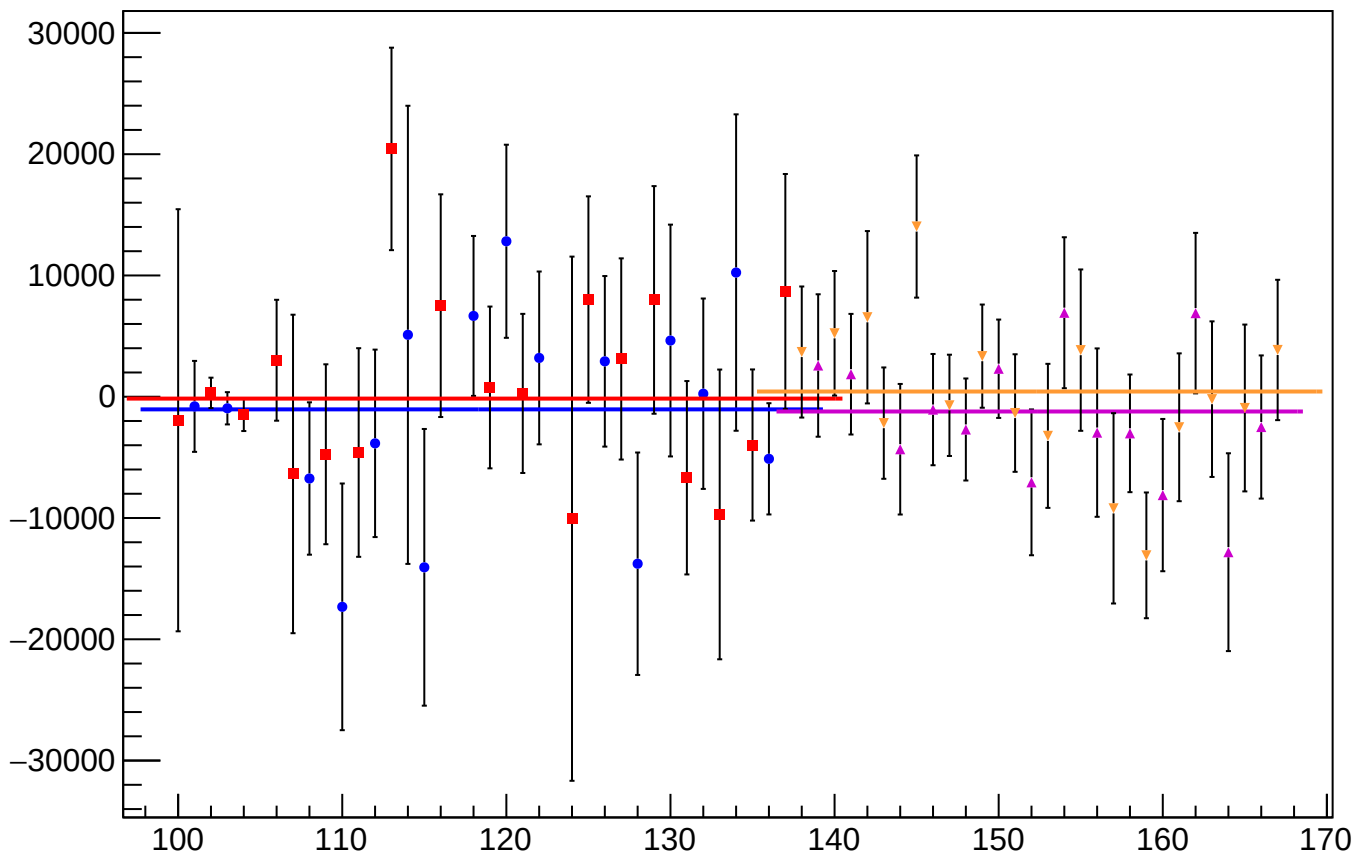
Left In: 1756.034 $\pm$ 0.366 χ^2 /NDF: 20307.4/13

+ sign 1786.853 $\pm$ 0.285 χ^2 /NDF: 413382.4/31

All: 1799.597 $\pm$ 0.206 χ^2 /NDF: 849676.9/64

- sign 1813.462 $\pm$ 0.297 χ^2 /NDF: 432116.2/32

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906 $\pm$ 1072.405 χ^2 /NDF: 13.8/15

Left Out: 430.675 $\pm$ 1373.291 χ^2 /NDF: 17.9/15

Right Out: -153.614 $\pm$ 835.655 χ^2 /NDF: 13.7/18

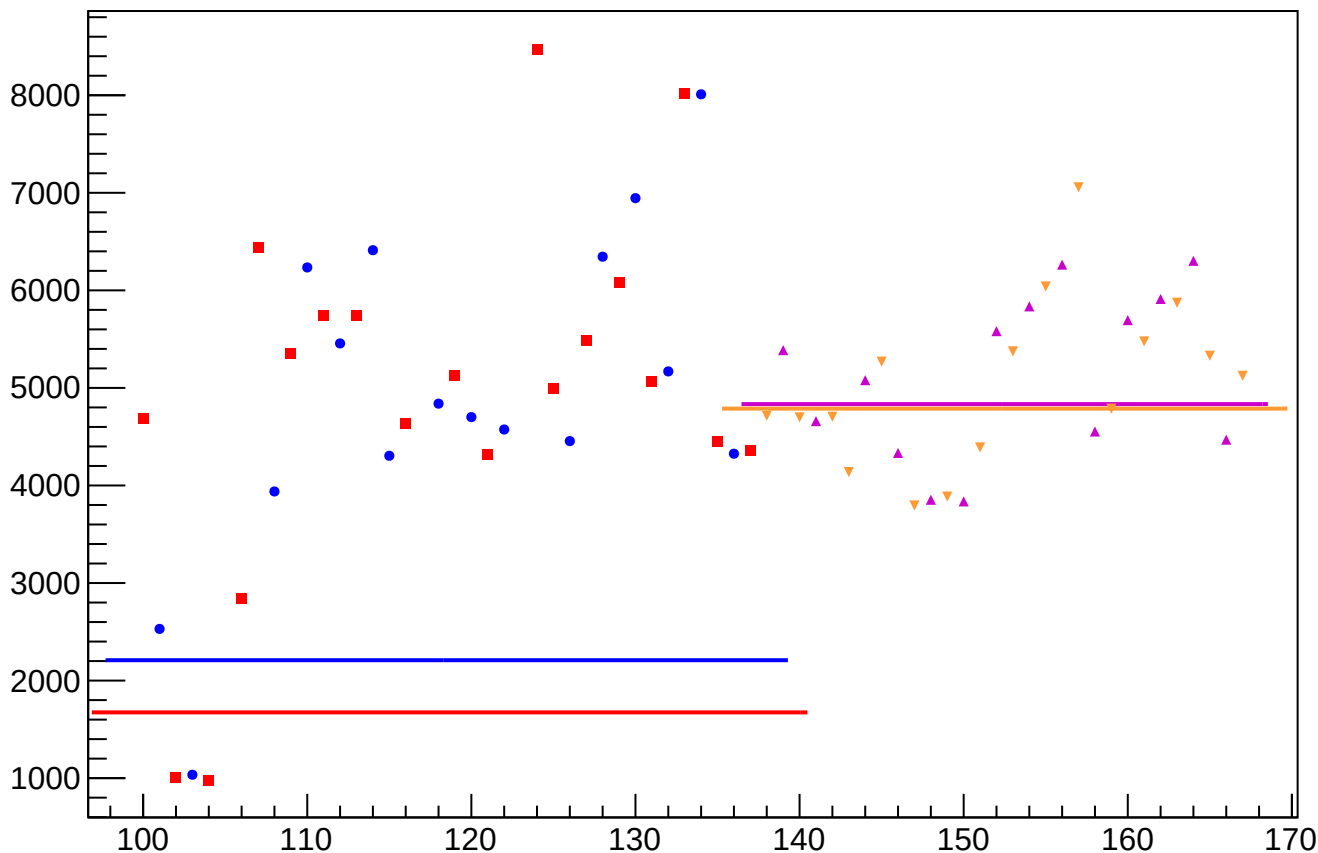
Left In: -1217.143 $\pm$ 1447.317 χ^2 /NDF: 9.6/13

+ sign -484.081 $\pm$ 845.224 χ^2 /NDF: 32.5/31

All: -446.828 $\pm$ 549.719 χ^2 /NDF: 56.3/64

- sign -419.518 $\pm$ 723.688 χ^2 /NDF: 23.8/32

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF : 5499004.2/15

Left Out: 4787.926+/-0.971 χ^2/NDF : 630794.6/15

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853204.8/18

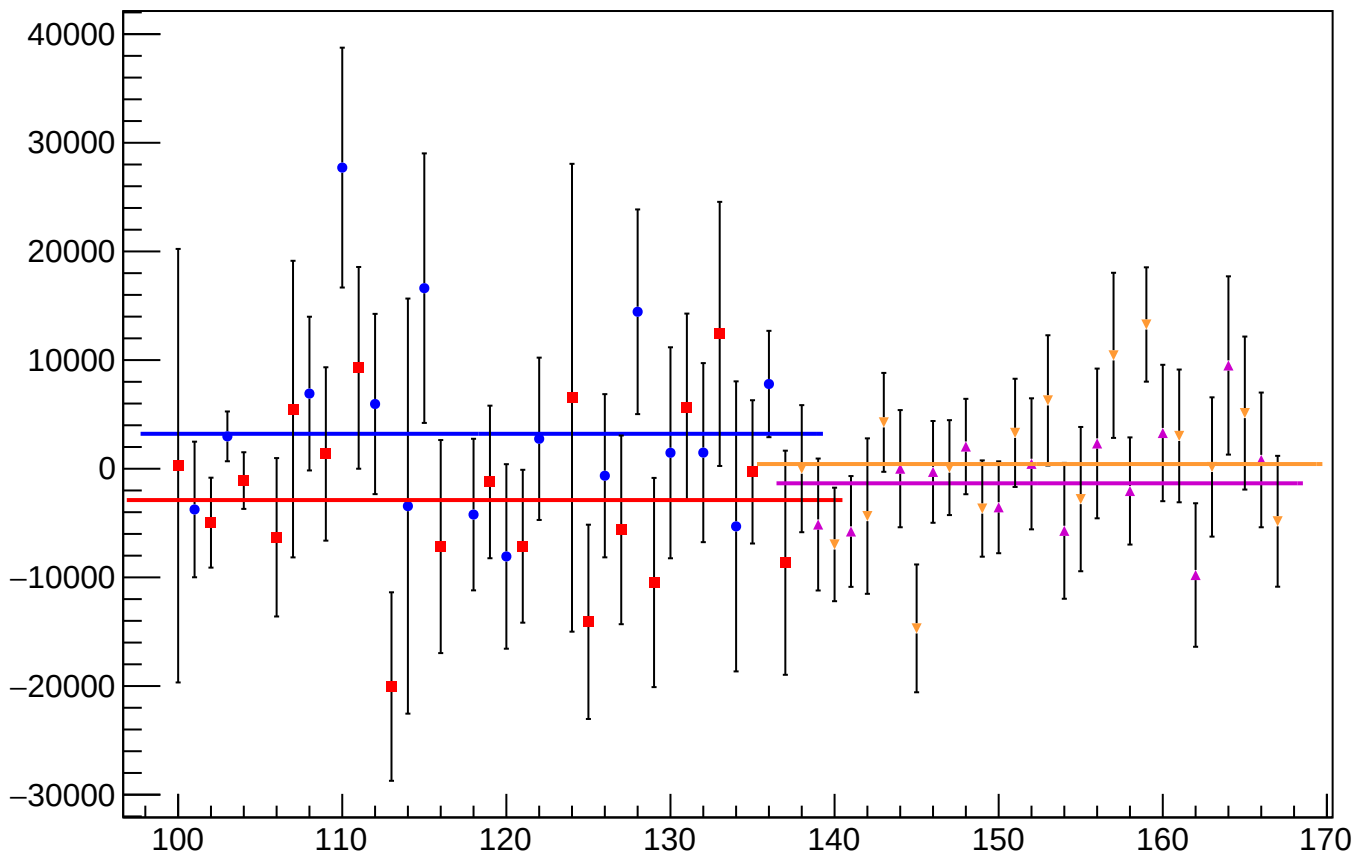
Left In: 4834.211+/-1.023 χ^2/NDF : 615087.6/13

+ sign 3185.862+/-0.598 χ^2/NDF : 10511458.7/31

All: 2769.484+/-0.389 χ^2/NDF : 25971473.3/6

- sign 2464.239+/-0.512 χ^2/NDF : 14618843.1/32

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF : 13.8/15

Left Out: 431.980+/-1401.544 χ^2/NDF : 21.2/15

Right Out: -2883.411+/-1552.120 χ^2/NDF : 13.4/18

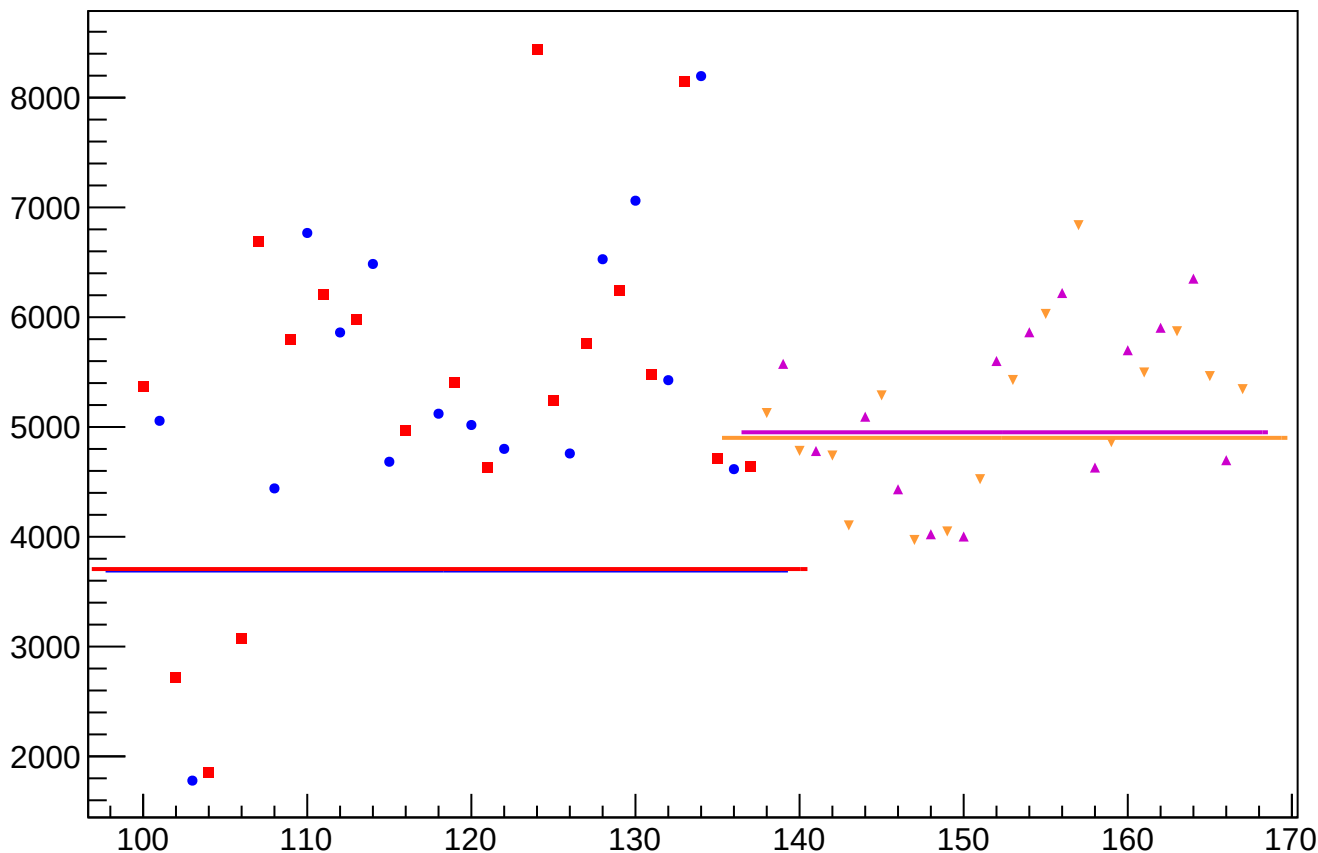
Left In: -1341.231+/-1477.989 χ^2/NDF : 7.1/13

+ sign 1693.761+/-1036.316 χ^2/NDF : 36.8/31

All: -129.573+/-744.525 χ^2/NDF : 64.2/64

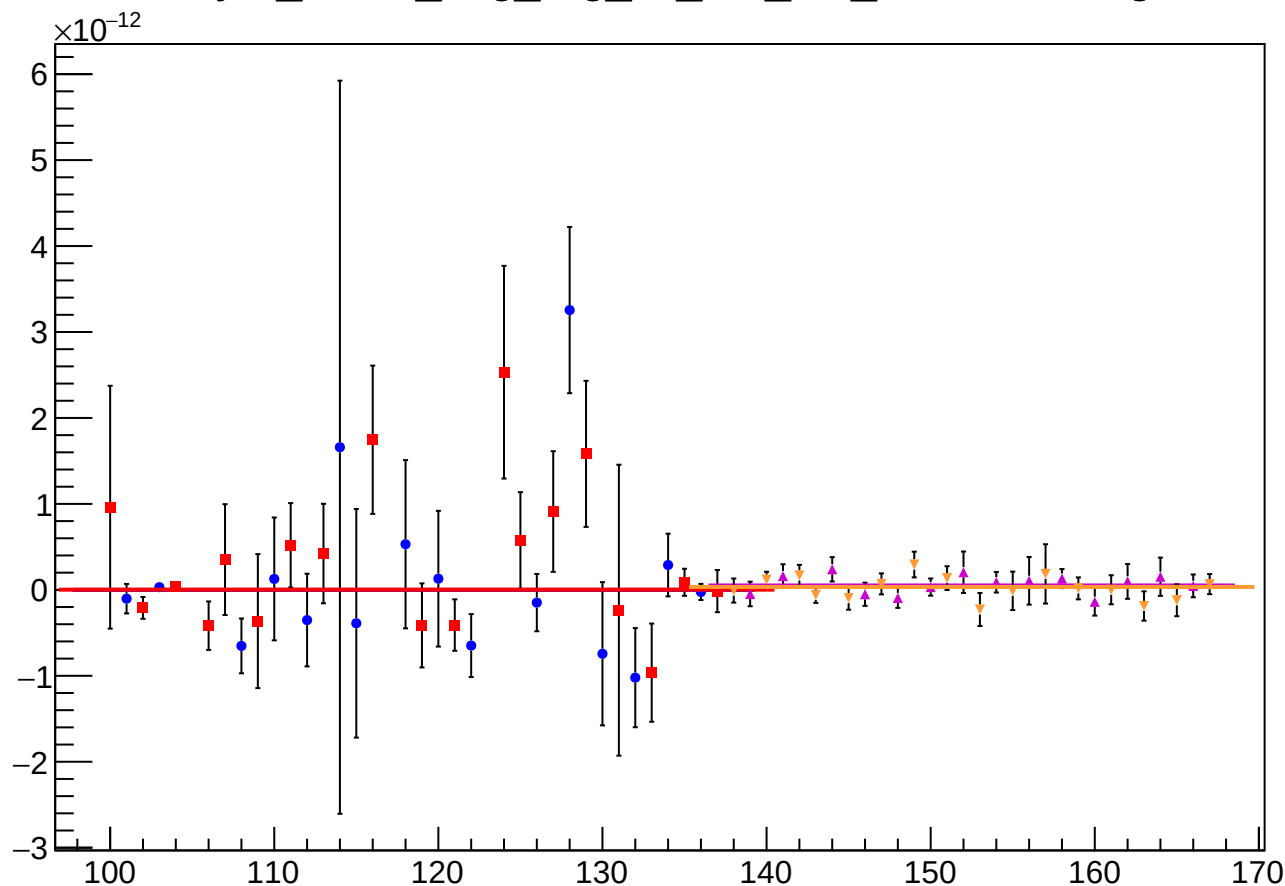
- sign -2074.614+/-1070.344 χ^2/NDF : 21.0/32

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088	χ^2/NDF : 2885658.0/15	+ sign 4353.402+/-0.733	χ^2/NDF : 4102388.9/31
Left Out: 4901.072+/-0.991	χ^2/NDF : 542987.6/15	All: 4353.294+/-0.525	χ^2/NDF : 7982629.0/64
Right Out: 3706.081+/-1.087	χ^2/NDF : 2684528.0/18	- sign 4353.179+/-0.753	χ^2/NDF : 3880240.1/32
Left In: 4951.833+/-1.045	χ^2/NDF : 512909.7/13		

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 25.4/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 12.2/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 28.2/18$

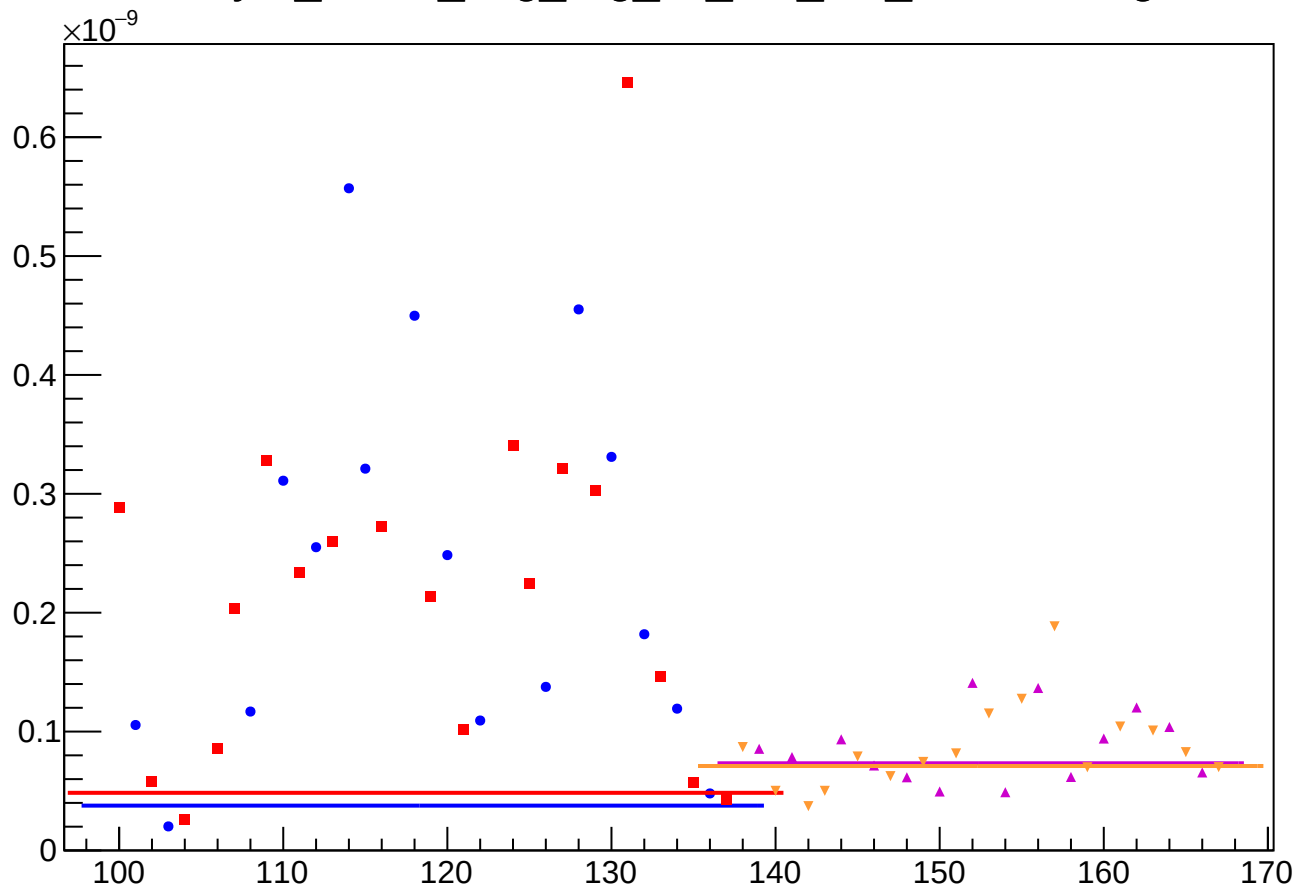
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 7.8/13$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 38.1/31$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 74.9/64$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 36.7/32$

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 : 1019733.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2895431.5/18

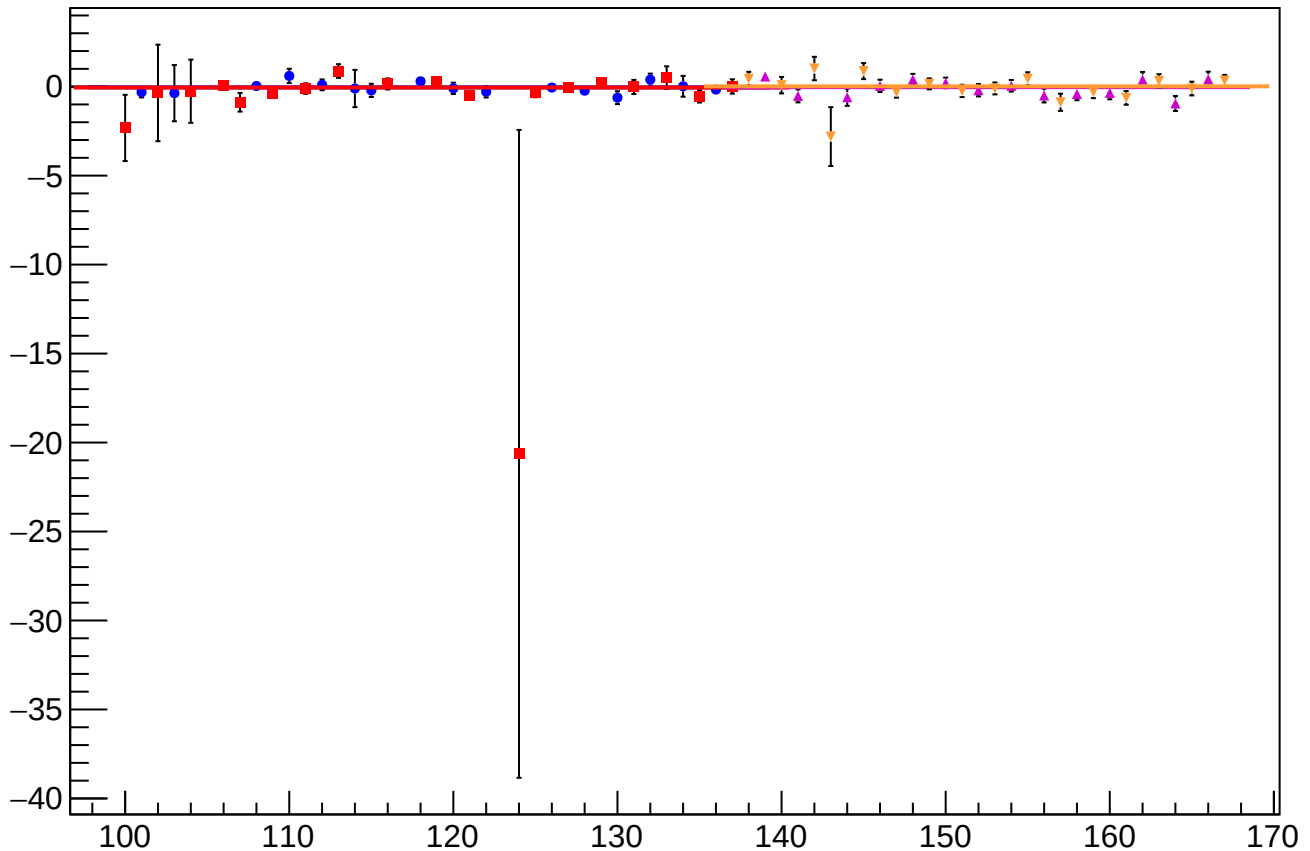
Left In: 0.000+/-0.000 χ^2/NDF : 743615.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 5053218.8/31

All: 0.000+/-0.000 χ^2/NDF : 9132551.5/64

- sign 0.000+/-0.000 χ^2/NDF : 3998550.0/32

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041 ± 0.078 χ^2/NDF : 11.7/15

Left Out: 0.017 ± 0.096 χ^2/NDF : 22.4/15

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

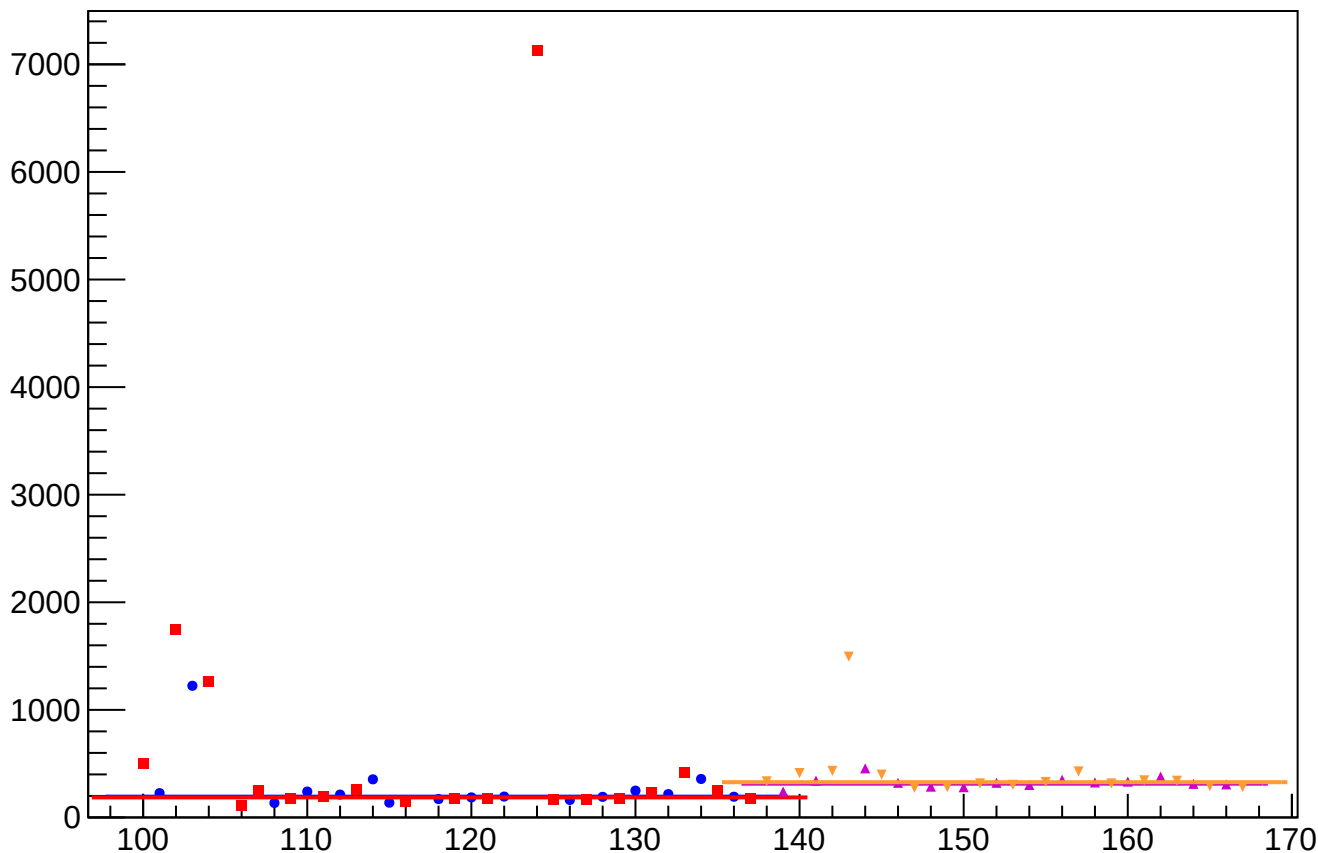
Left In: -0.028 ± 0.095 χ^2/NDF : 21.0/13

+ sign -0.018 ± 0.061 χ^2/NDF : 34.3/31

All: -0.029 ± 0.043 χ^2/NDF : 78.4/64

- sign -0.041 ± 0.061 χ^2/NDF : 44.0/32

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF : 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF : 1429302.1/15

Right Out: 186.379+/-0.056 χ^2/NDF : 2479083.9/18

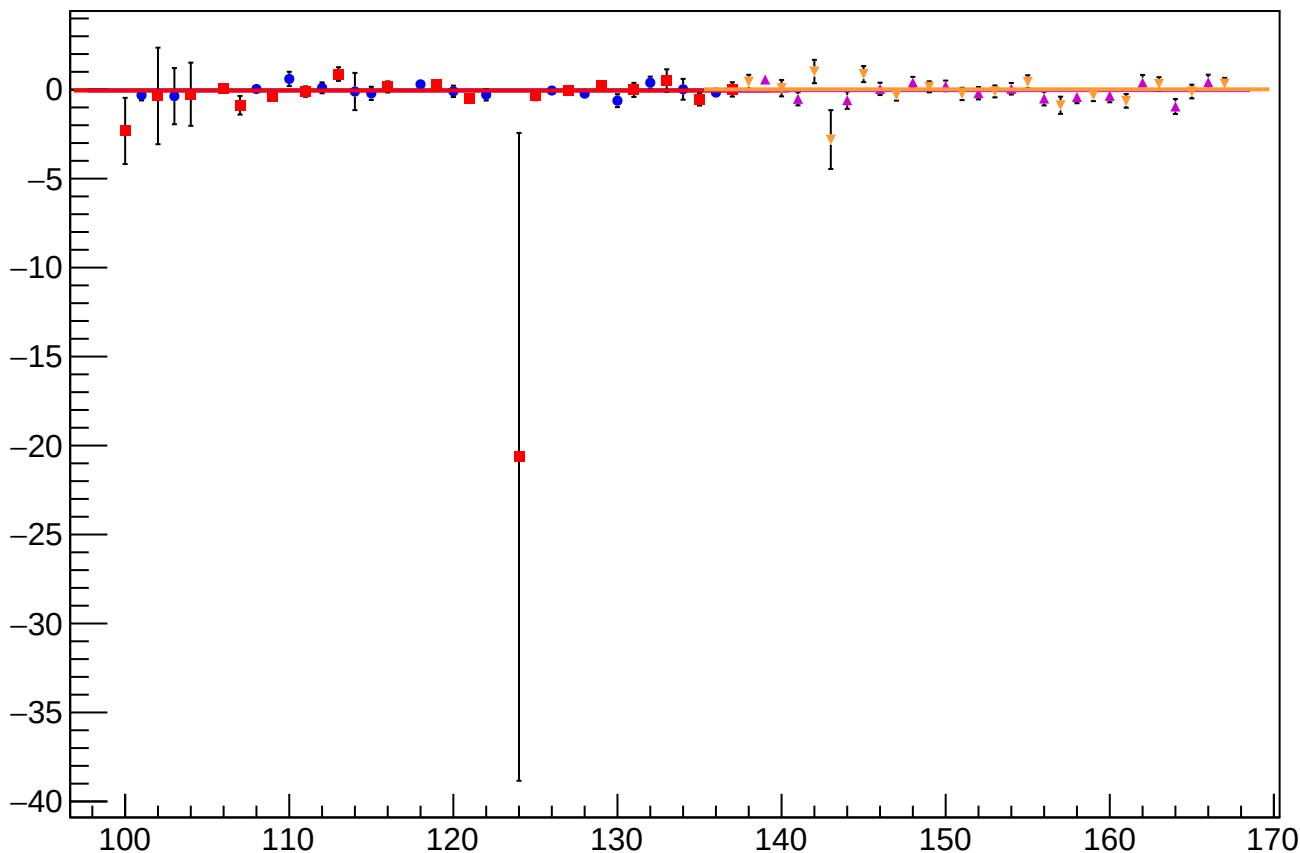
Left In: 314.012+/-0.067 χ^2/NDF : 444419.9/13

+ sign 246.241+/-0.043 χ^2/NDF : 5193654.5/31

All: 242.373+/-0.030 χ^2/NDF : 10276450.0/64

- sign 238.494+/-0.043 χ^2/NDF : 5066433.0/32

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: 0.017 ± 0.096 χ^2/NDF : 22.4/15

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

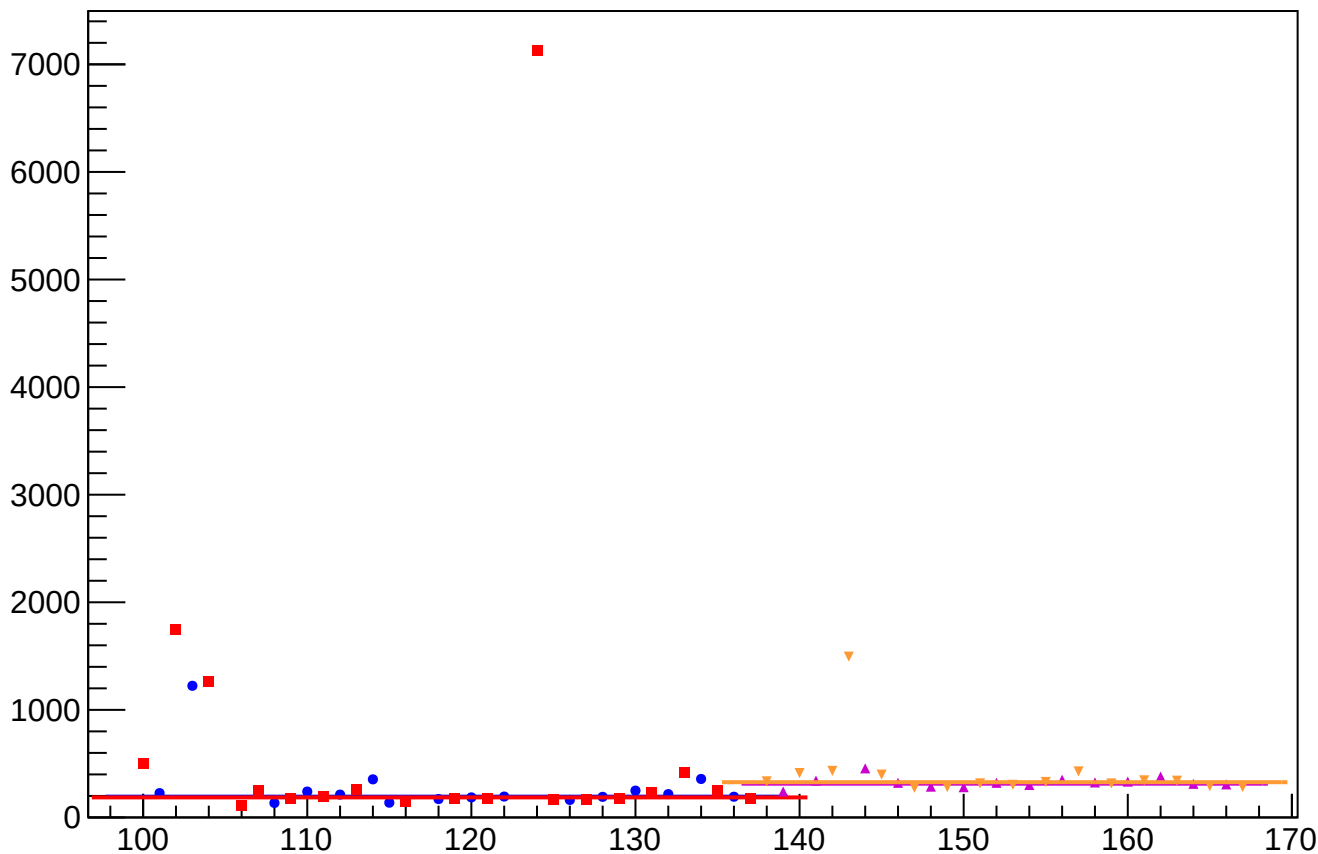
Left In: -0.028 ± 0.095 χ^2/NDF : 21.0/13

+ sign -0.018 ± 0.061 χ^2/NDF : 34.3/31

All: -0.029 ± 0.043 χ^2/NDF : 78.4/64

- sign -0.041 ± 0.061 χ^2/NDF : 44.0/32

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF : 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF : 1429302.1/15

Right Out: 186.379+/-0.056 χ^2/NDF : 2479083.9/18

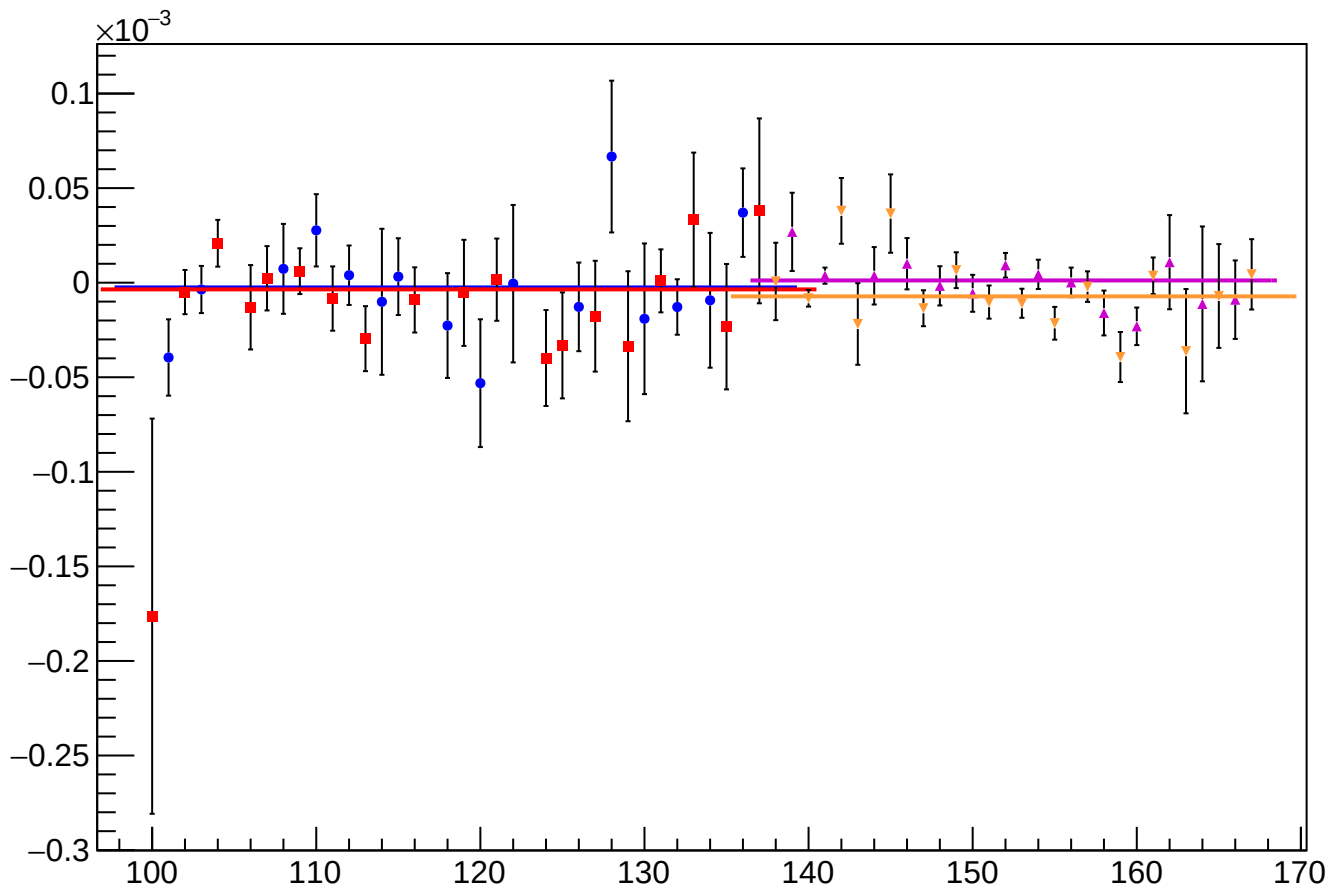
Left In: 314.012+/-0.067 χ^2/NDF : 444419.9/13

+ sign 246.241+/-0.043 χ^2/NDF : 5193654.5/31

All: 242.373+/-0.030 χ^2/NDF : 10276450.0/64

- sign 238.494+/-0.043 χ^2/NDF : 5066433.0/32

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 : 26.2/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.3/18

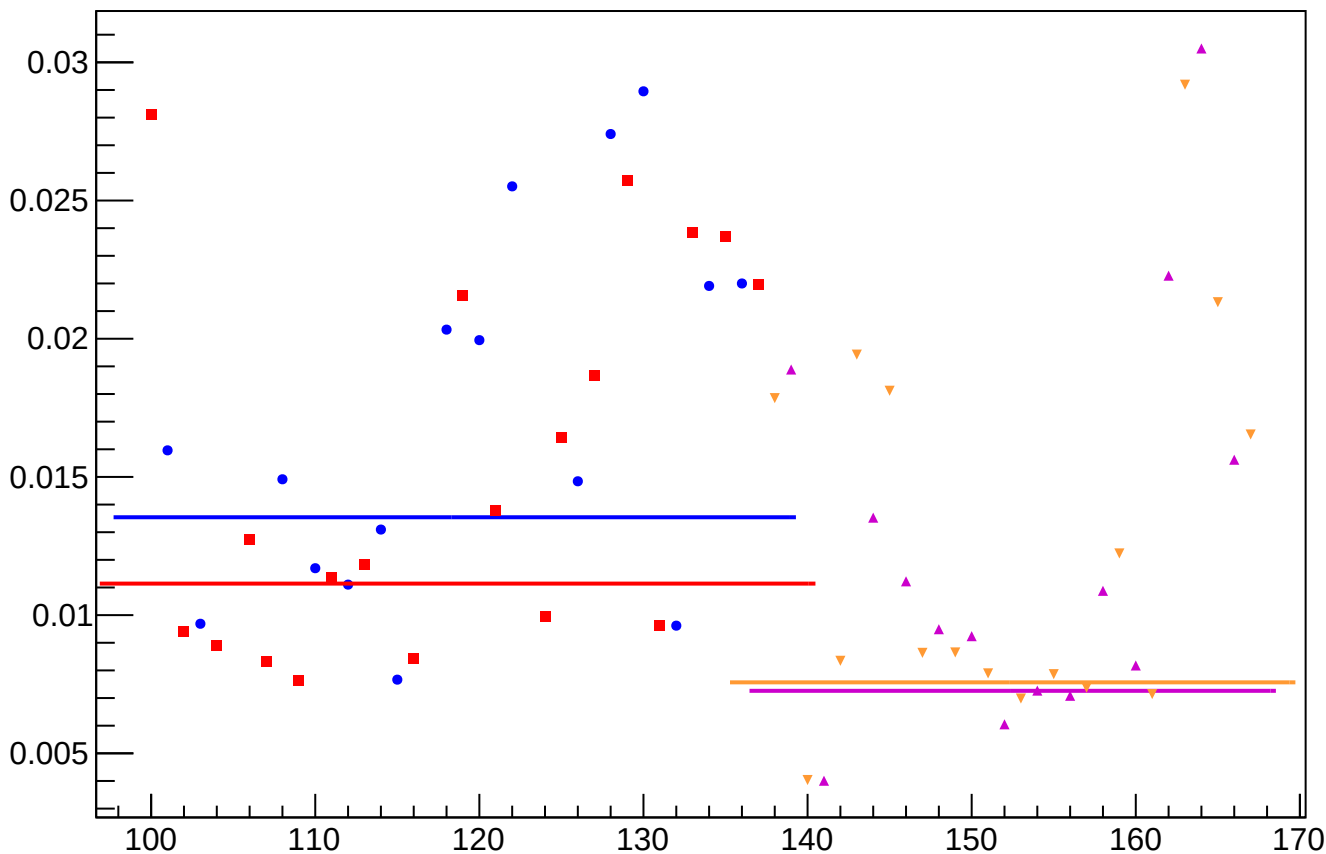
Left In: 0.000 ± 0.000 χ^2/NDF : 13.2/13

+ sign -0.000 ± 0.000 χ^2/NDF : 42.7/31

All: -0.000 ± 0.000 χ^2/NDF : 77.4/64

- sign 0.000 ± 0.000 χ^2/NDF : 30.3/32

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: 0.008 $\pm$ 0.000 χ^2/NDF : 5078118.0/15

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 1887740.8/18

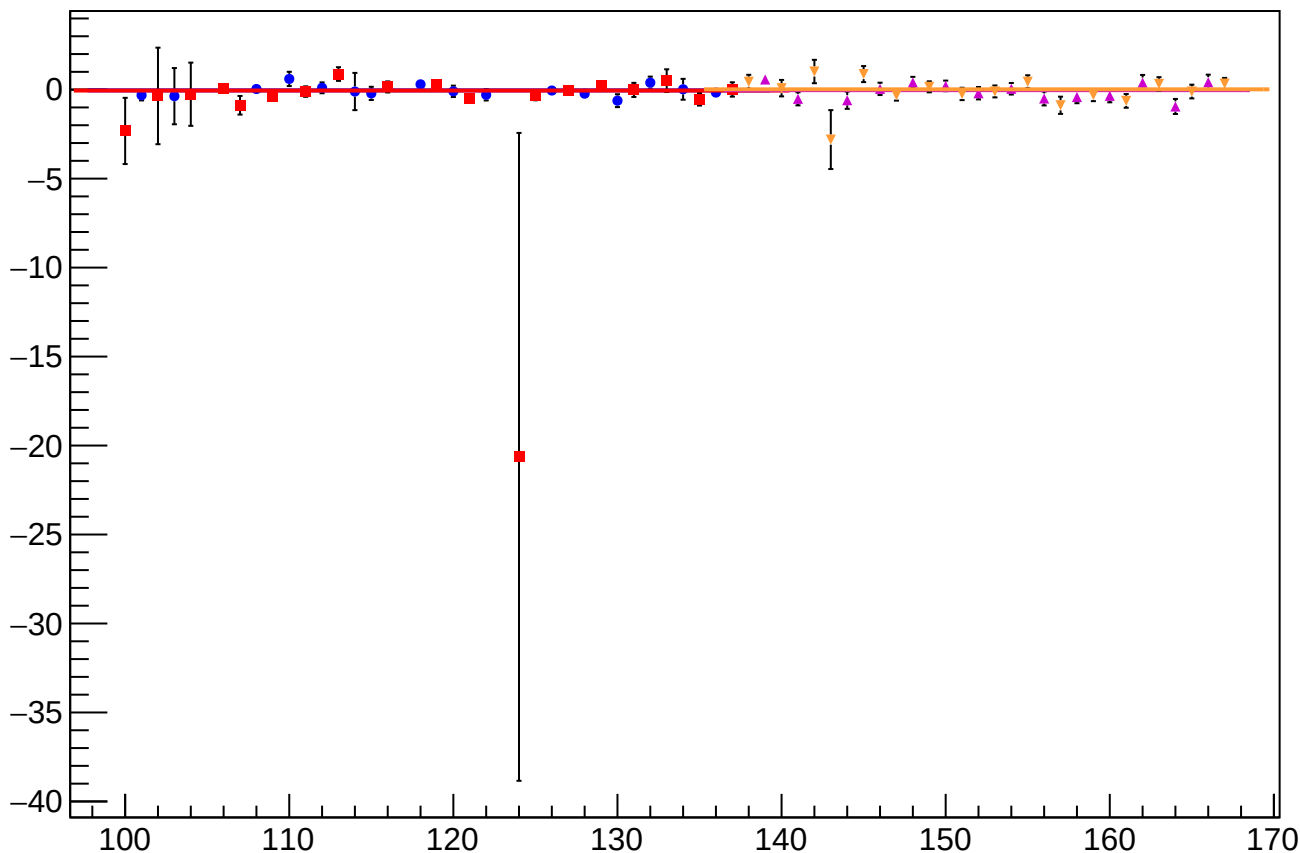
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 4450592.7/13

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 8947659.7/31

All: 0.008 $\pm$ 0.000 χ^2/NDF : 16480482.0/64

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 7496865.9/32

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: 0.017 ± 0.096 χ^2/NDF : 22.4/15

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

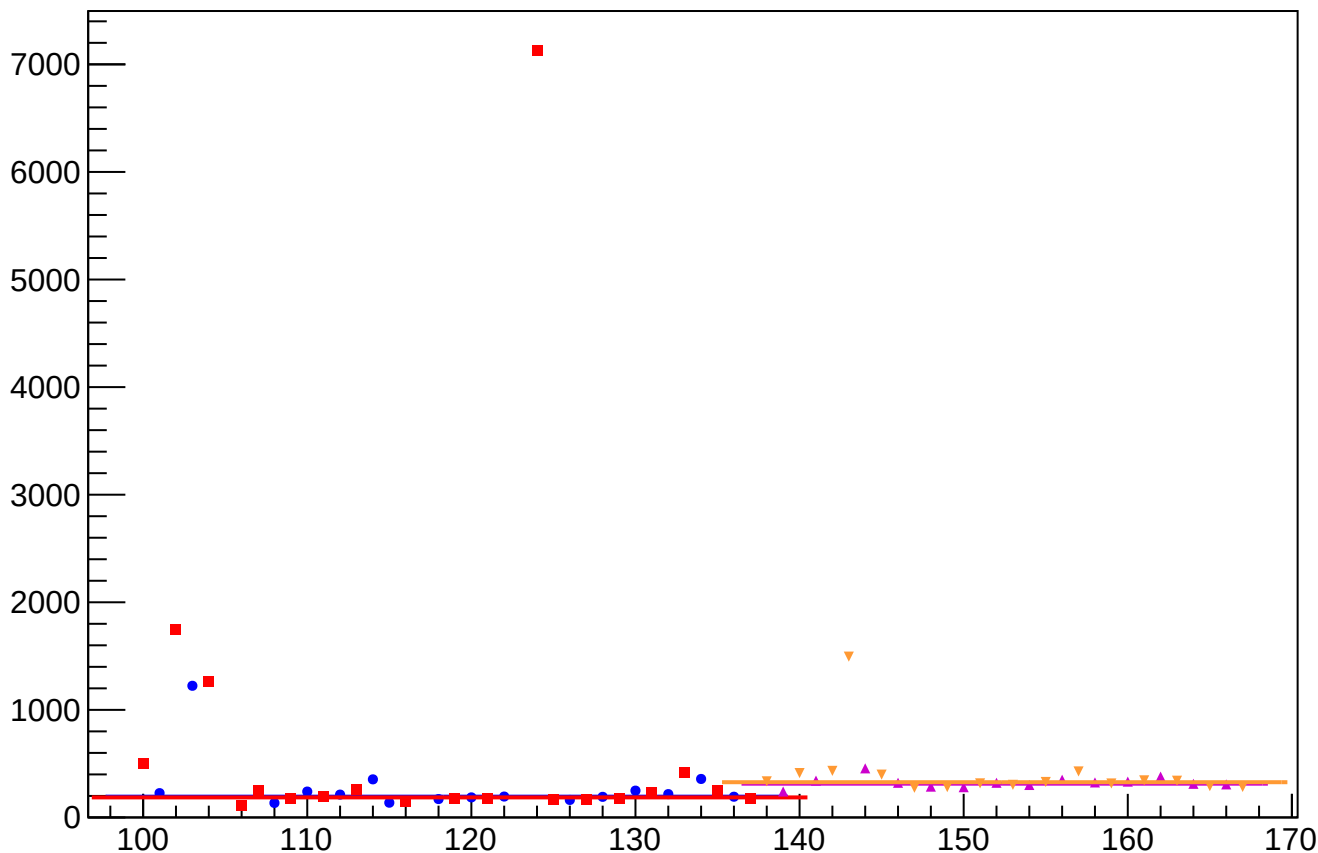
Left In: -0.028 ± 0.095 χ^2/NDF : 21.0/13

+ sign -0.018 ± 0.061 χ^2/NDF : 34.3/31

All: -0.029 ± 0.043 χ^2/NDF : 78.4/64

- sign -0.041 ± 0.061 χ^2/NDF : 44.0/32

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: 327.647+/-0.068 χ^2/NDF : 1429270.6/15

Right Out: 186.376+/-0.056 χ^2/NDF : 2479113.1/18

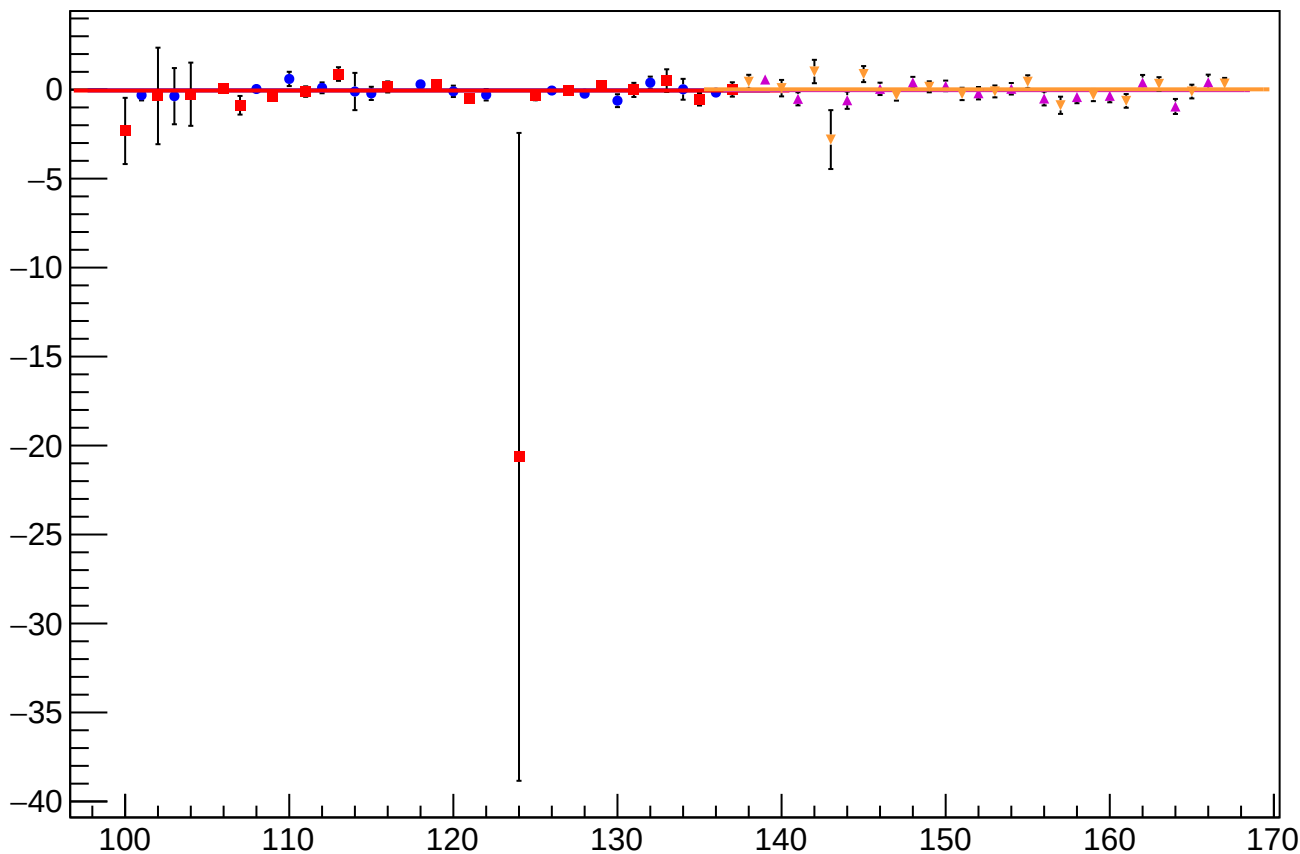
Left In: 314.017+/-0.067 χ^2/NDF : 444408.7/13

+ sign 246.240+/-0.043 χ^2/NDF : 5193828.0/31

All: 242.373+/-0.030 χ^2/NDF : 10276861.5/64

- sign 238.493+/-0.043 χ^2/NDF : 5066668.3/32

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: 0.017 ± 0.096 χ^2/NDF : 22.4/15

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

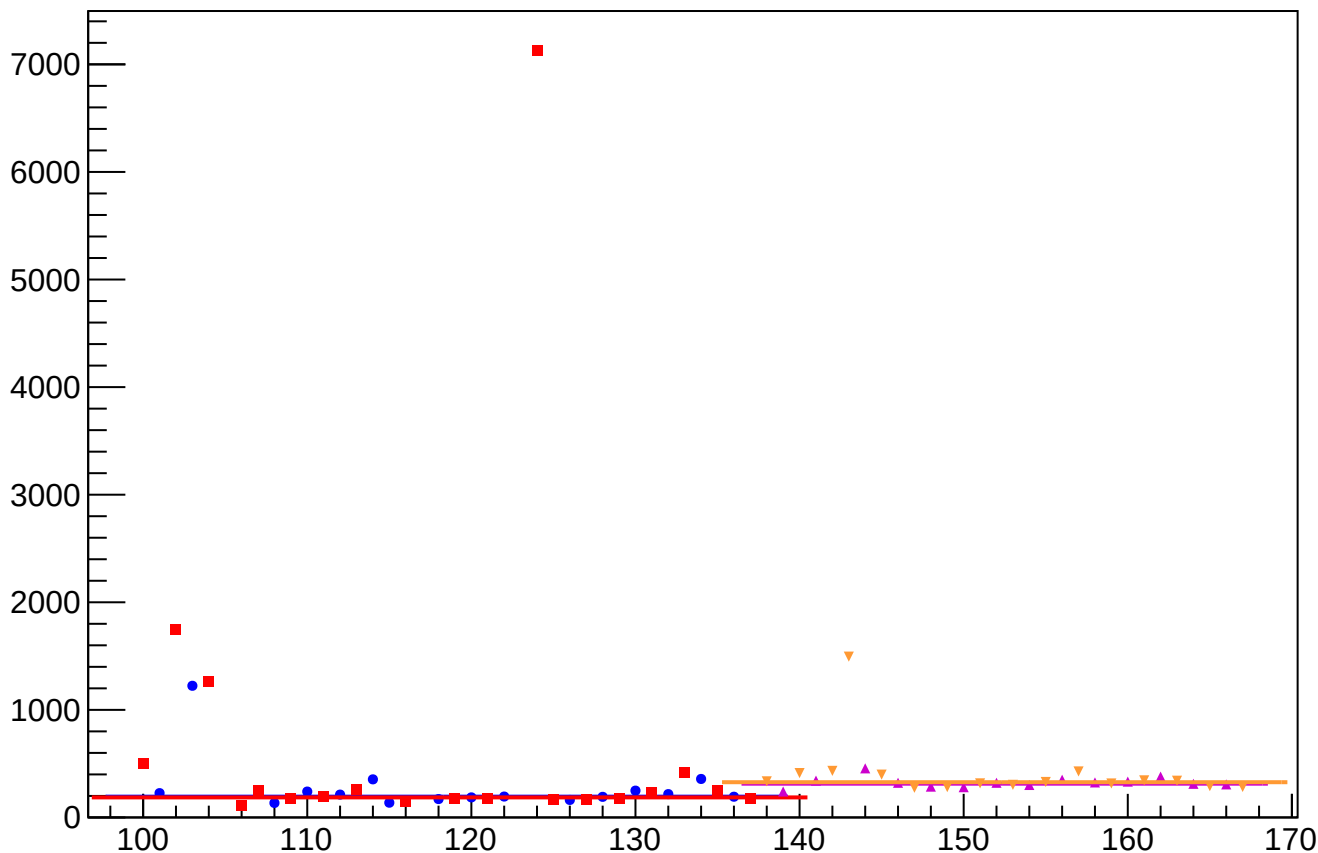
Left In: -0.028 ± 0.095 χ^2/NDF : 21.0/13

+ sign -0.018 ± 0.061 χ^2/NDF : 34.3/31

All: -0.029 ± 0.043 χ^2/NDF : 78.4/64

- sign -0.041 ± 0.061 χ^2/NDF : 44.0/32

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.247 $\pm$ 0.055 χ^2 /NDF: 1408390.6/15

Left Out: 327.647 $\pm$ 0.068 χ^2 /NDF: 1429270.6/15

Right Out: 186.376 $\pm$ 0.056 χ^2 /NDF: 2479113.1/18

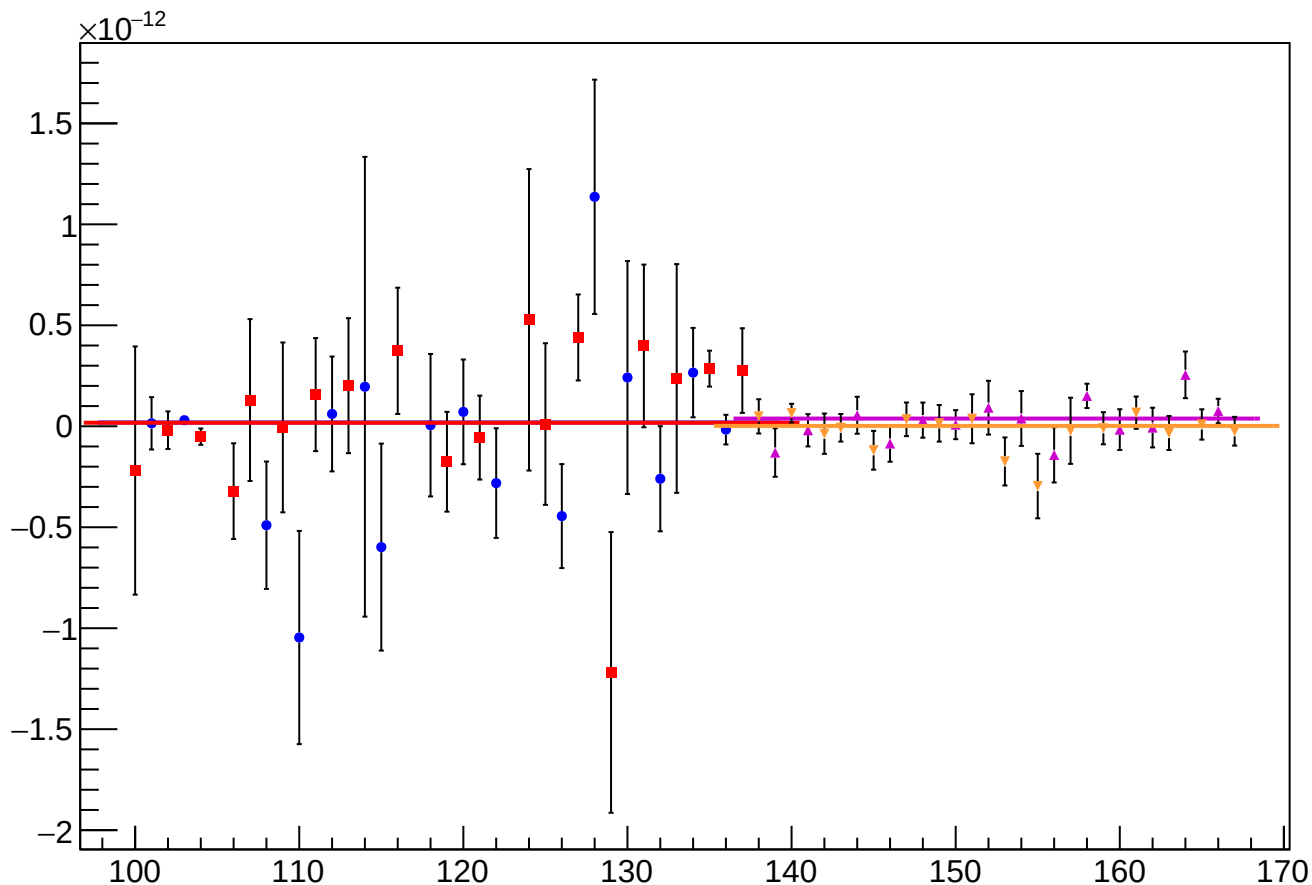
Left In: 314.017 $\pm$ 0.067 χ^2 /NDF: 444408.7/13

+ sign 246.240 $\pm$ 0.043 χ^2 /NDF: 5193828.0/31

All: 242.373 $\pm$ 0.030 χ^2 /NDF: 10276861.5/64

- sign 238.493 $\pm$ 0.043 χ^2 /NDF: 5066668.3/32

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:10.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/18

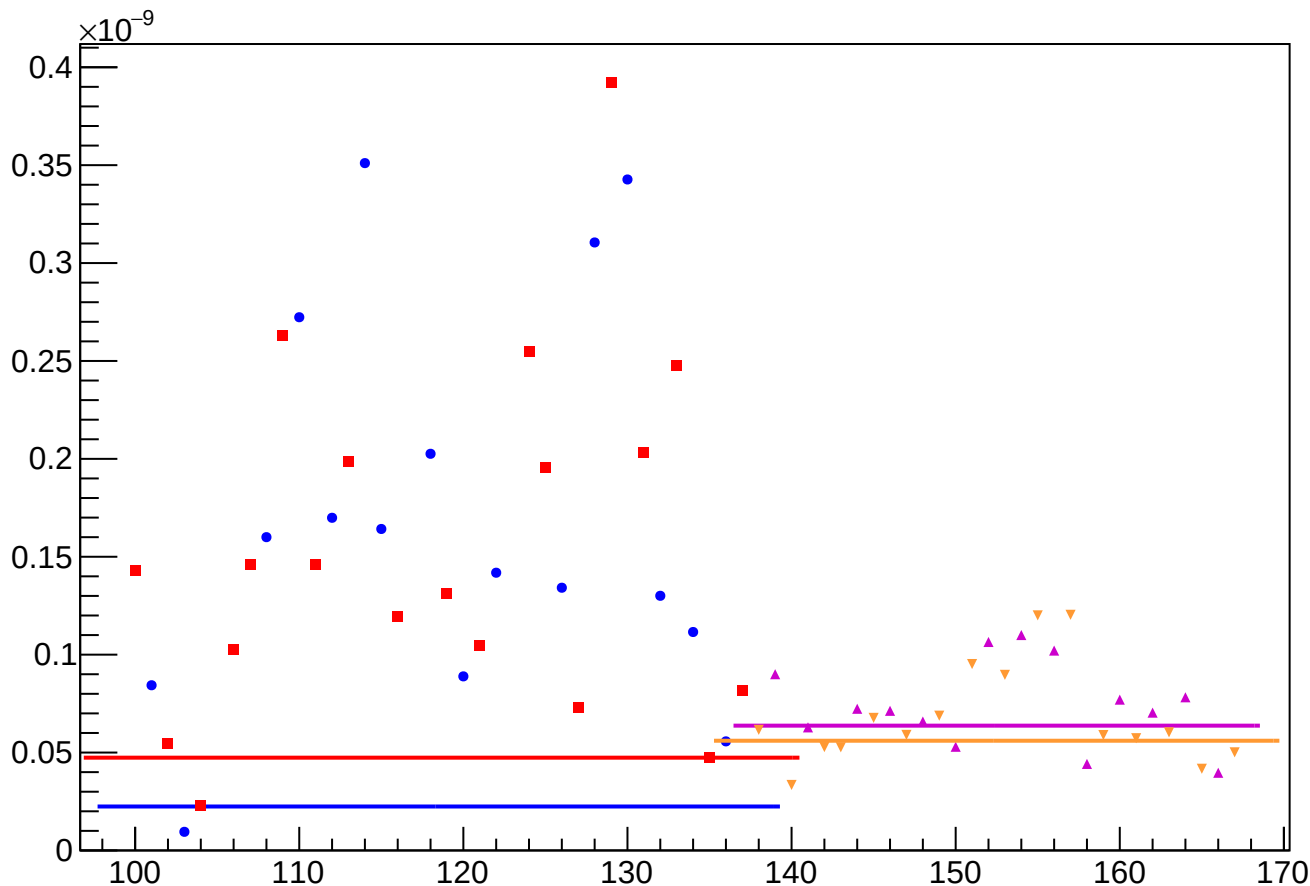
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 73.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/32

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 : 1654789.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4236050.4/18

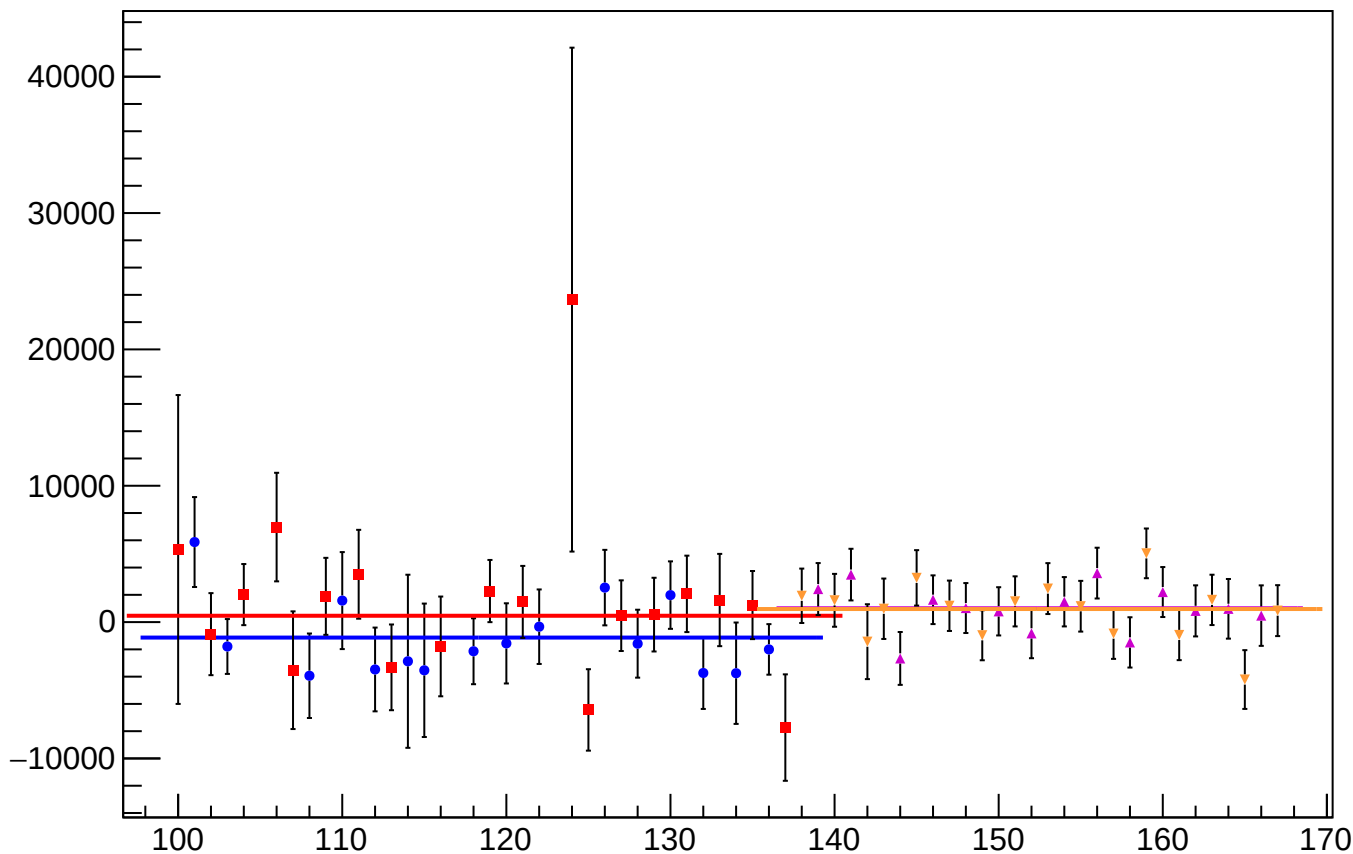
Left In: 0.000+/-0.000 χ^2/NDF : 1369174.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 10713497.0/31

All: 0.000+/-0.000 χ^2/NDF : 17878997.4/64

- sign 0.000+/-0.000 χ^2/NDF : 5953109.7/32

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630 ± 693.782 $\chi^2/\text{NDF}: 12.2/15$

Left Out: 959.119 ± 485.650 $\chi^2/\text{NDF}: 17.2/15$

Right Out: 465.519 ± 705.926 $\chi^2/\text{NDF}: 20.0/18$

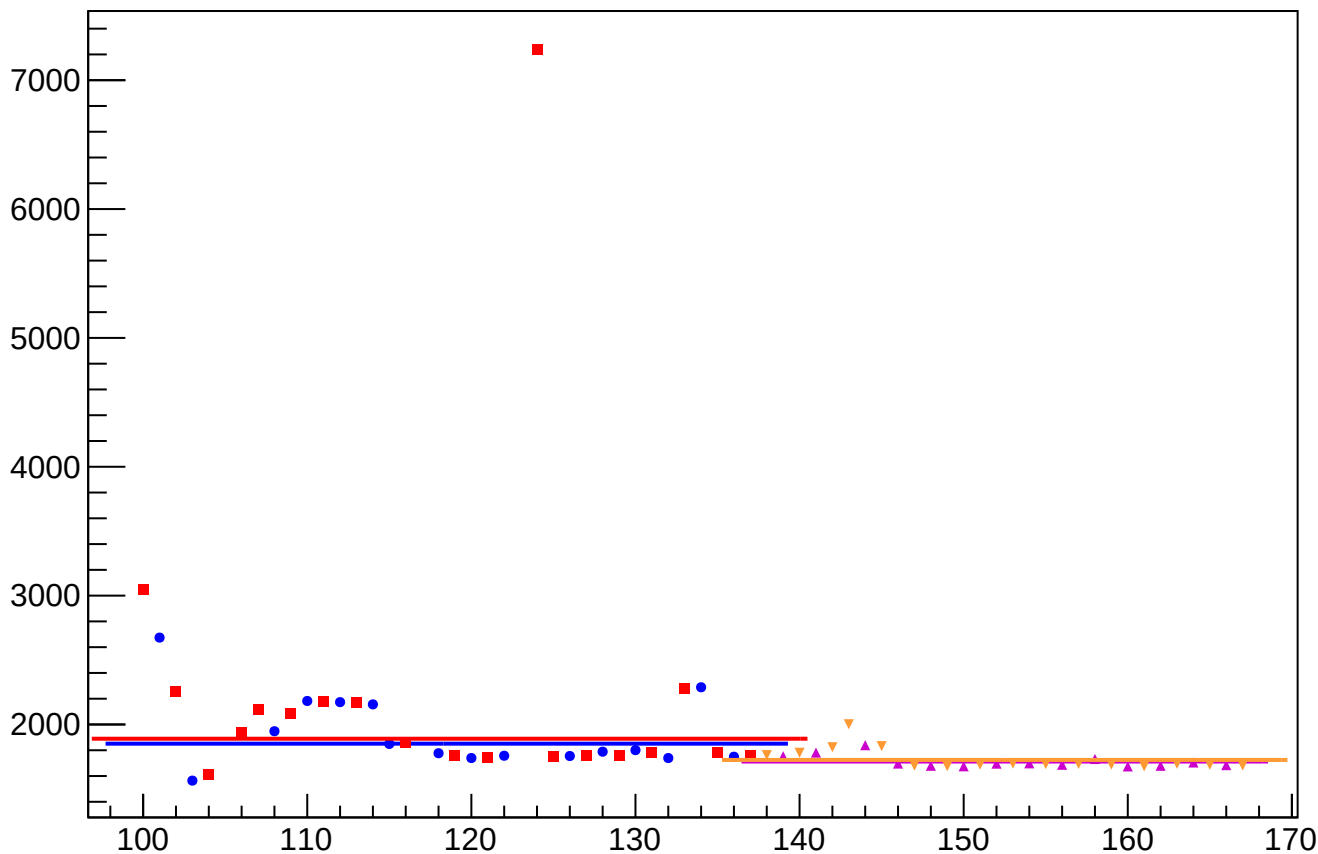
Left In: 1016.502 ± 504.086 $\chi^2/\text{NDF}: 11.3/13$

+ sign 270.566 ± 397.859 $\chi^2/\text{NDF}: 35.5/31$

All: 541.928 ± 285.603 $\chi^2/\text{NDF}: 68.2/64$

- sign 830.430 ± 410.232 $\chi^2/\text{NDF}: 31.7/32$

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF : 259981.6/15

Left Out: 1724.818+/-0.343 χ^2/NDF : 51096.0/15

Right Out: 1889.528+/-0.498 χ^2/NDF : 358902.6/18

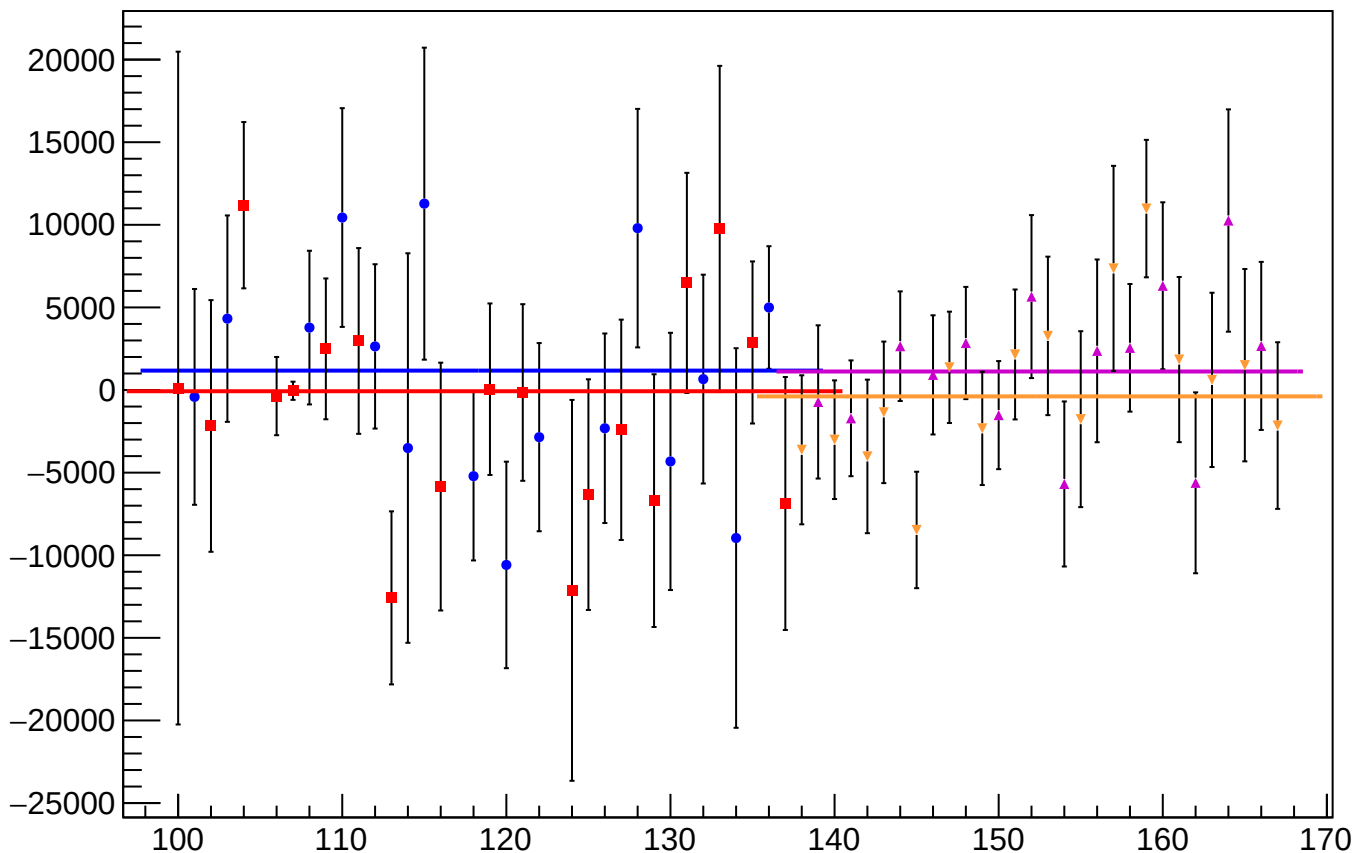
Left In: 1712.389+/-0.356 χ^2/NDF : 16522.7/13

+ sign 1766.357+/-0.281 χ^2/NDF : 355570.5/31

All: 1769.285+/-0.202 χ^2/NDF : 814879.9/64

- sign 1772.394+/-0.290 χ^2/NDF : 459086.1/32

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF : 13.7/15

Left Out: -385.065+/-1082.727 χ^2/NDF : 18.1/15

Right Out: -72.681+/-505.693 χ^2/NDF : 17.9/18

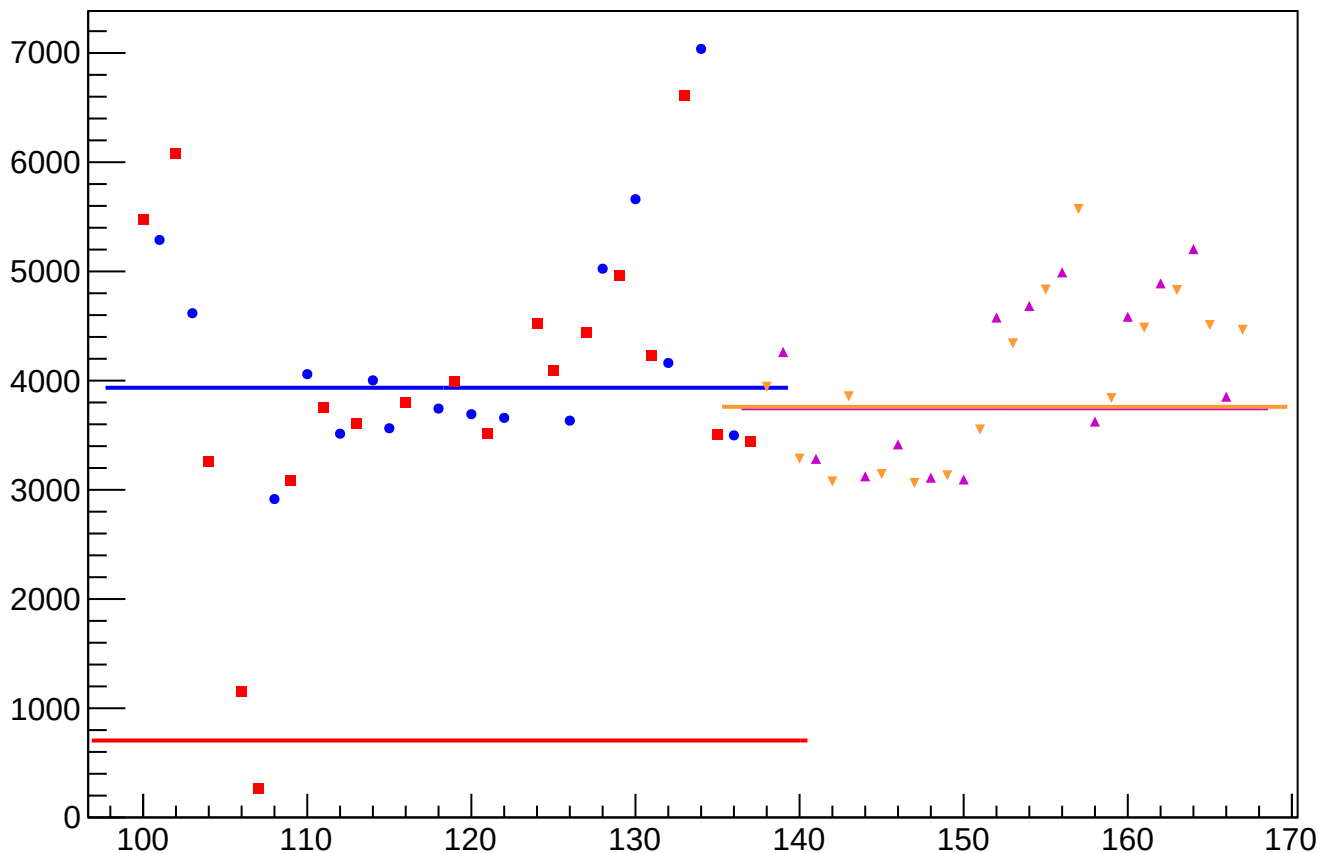
Left In: 1121.783+/-1125.178 χ^2/NDF : 9.3/13

+ sign 148.482+/-878.339 χ^2/NDF : 32.6/31

All: 132.462+/-408.366 χ^2/NDF : 60.8/64

- sign 128.045+/-461.250 χ^2/NDF : 28.2/32

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718 $\pm$ 1.062 χ^2/NDF : 560125.6/15

Left Out: 3760.227 $\pm$ 0.766 χ^2/NDF : 779824.8/15

Right Out: 704.385 $\pm$ 0.358 χ^2/NDF : 10618643.5/18

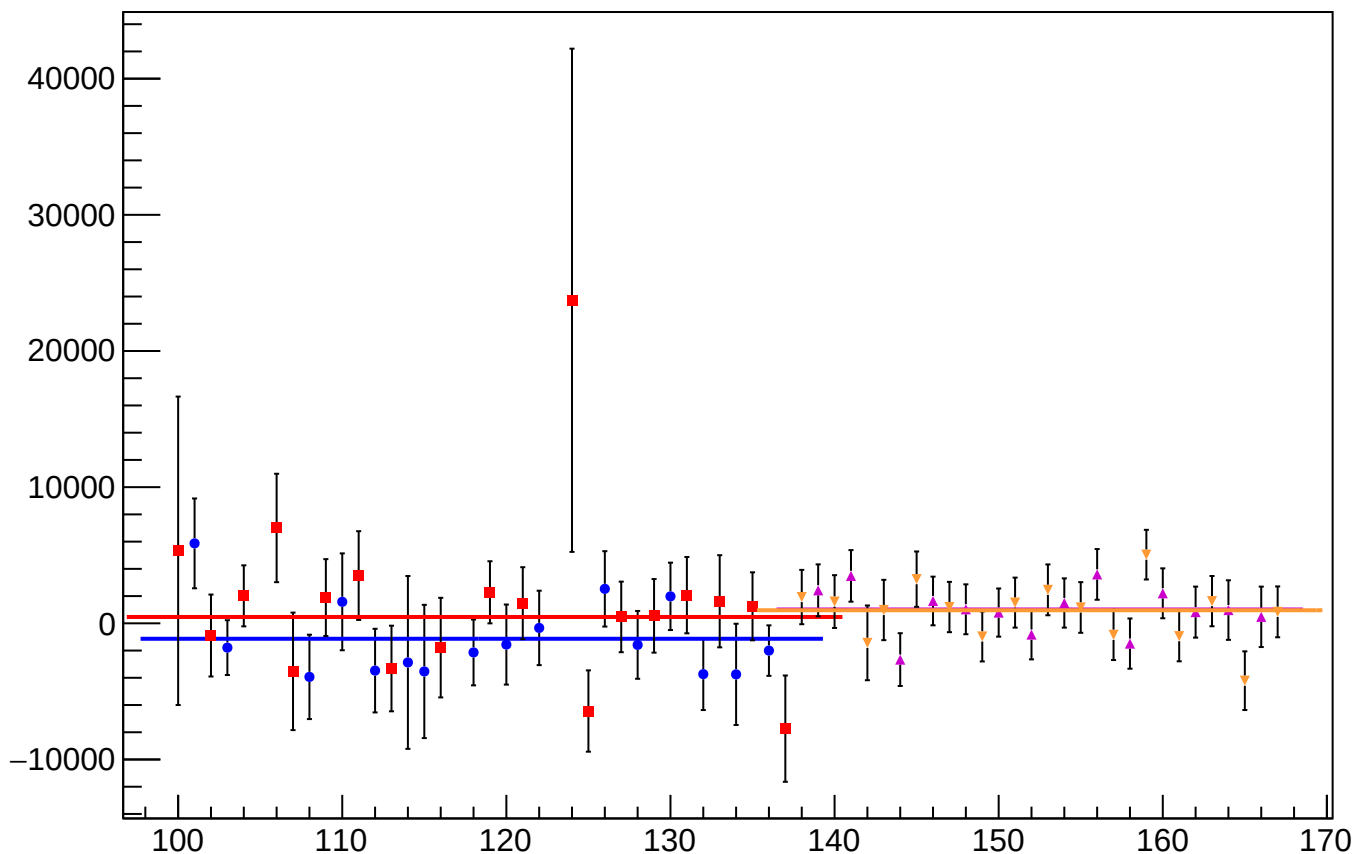
Left In: 3746.702 $\pm$ 0.796 χ^2/NDF : 763844.2/13

+ sign 3819.887 $\pm$ 0.621 χ^2/NDF : 1357710.5/31

All: 1778.573 $\pm$ 0.289 χ^2/NDF : 38686295.1/6

- sign 1215.637 $\pm$ 0.326 χ^2/NDF : 23547018.8/32

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203 $\pm$ 693.782 χ^2 /NDF: 12.2/15

Left Out: 959.214 $\pm$ 485.650 χ^2 /NDF: 17.2/15

Right Out: 465.899 $\pm$ 705.928 χ^2 /NDF: 20.0/18

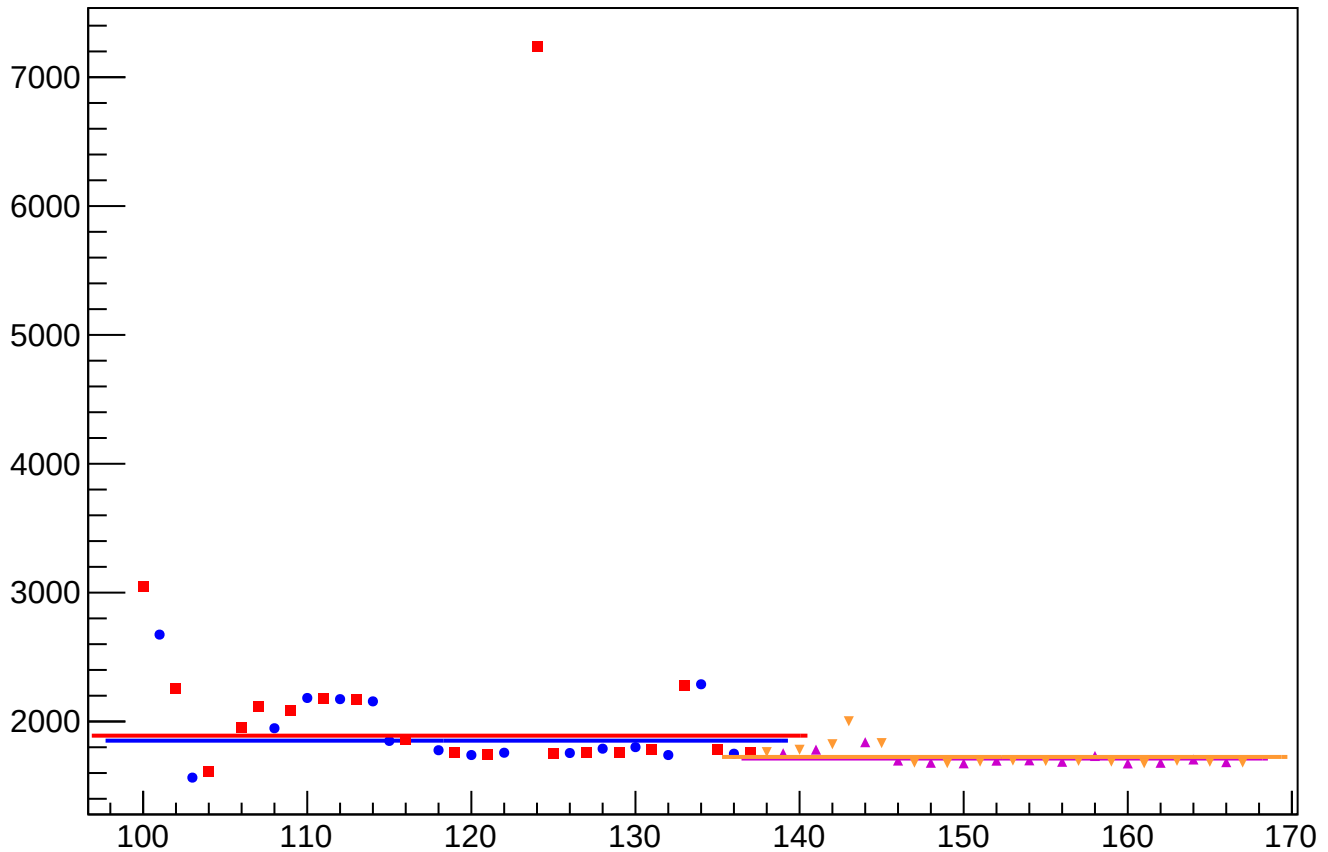
Left In: 1016.456 $\pm$ 504.086 χ^2 /NDF: 11.3/13

+ sign 270.770 $\pm$ 397.859 χ^2 /NDF: 35.5/31

All: 542.081 $\pm$ 285.603 χ^2 /NDF: 68.2/64

- sign 830.529 $\pm$ 410.232 χ^2 /NDF: 31.8/32

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131 ± 0.491 χ^2/NDF : 259980.7/15

Left Out: 1724.818 ± 0.343 χ^2/NDF : 51096.0/15

Right Out: 1889.986 ± 0.498 χ^2/NDF : 359122.3/18

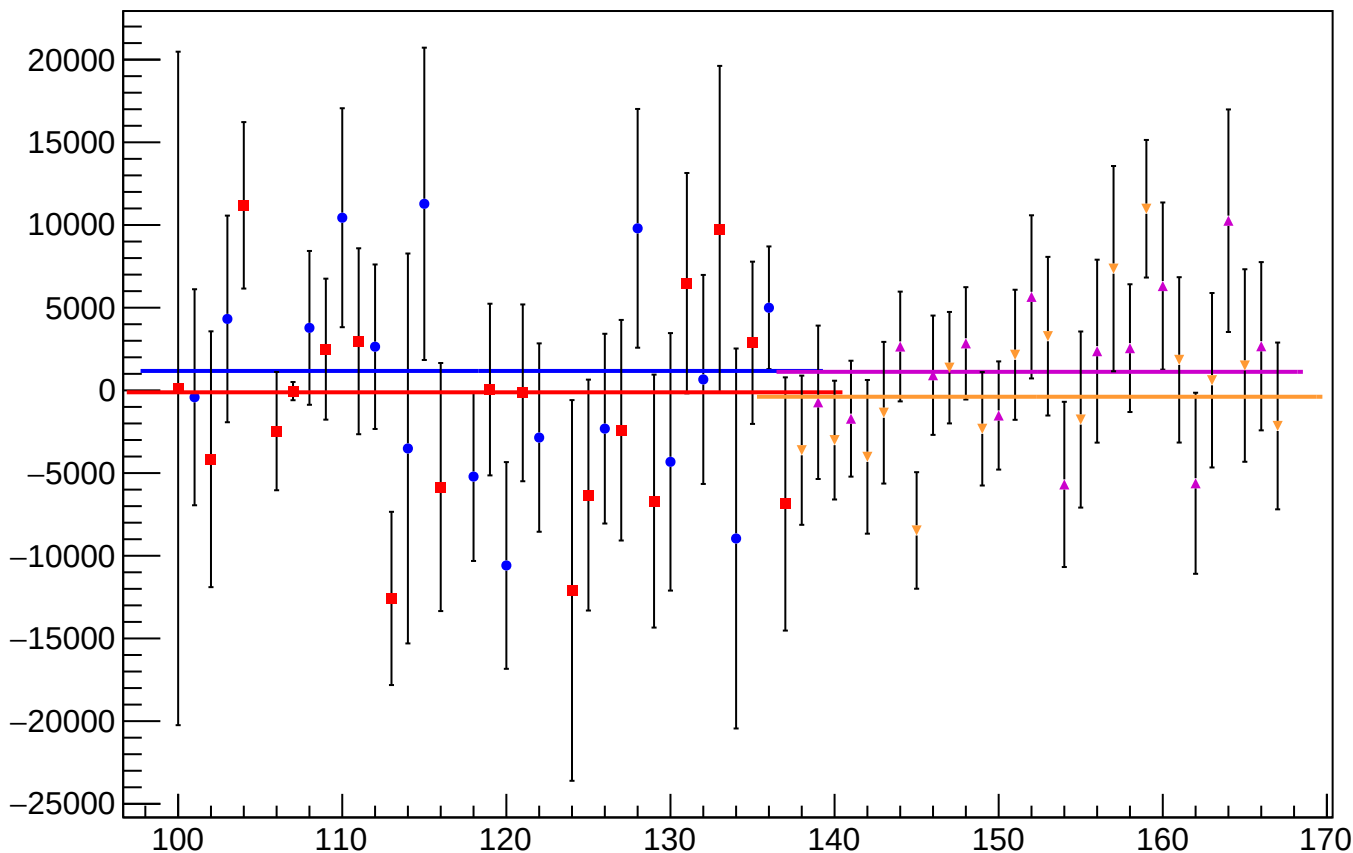
Left In: 1712.389 ± 0.356 χ^2/NDF : 16522.7/13

+ sign 1766.357 ± 0.281 χ^2/NDF : 355569.9/31

All: 1769.352 ± 0.202 χ^2/NDF : 815517.5/64

- sign 1772.531 ± 0.290 χ^2/NDF : 459714.0/32

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2/NDF : 13.7/15

Left Out: -385.058 $\pm$ 1082.724 χ^2/NDF : 18.1/15

Right Out: -115.917 $\pm$ 512.289 χ^2/NDF : 18.6/18

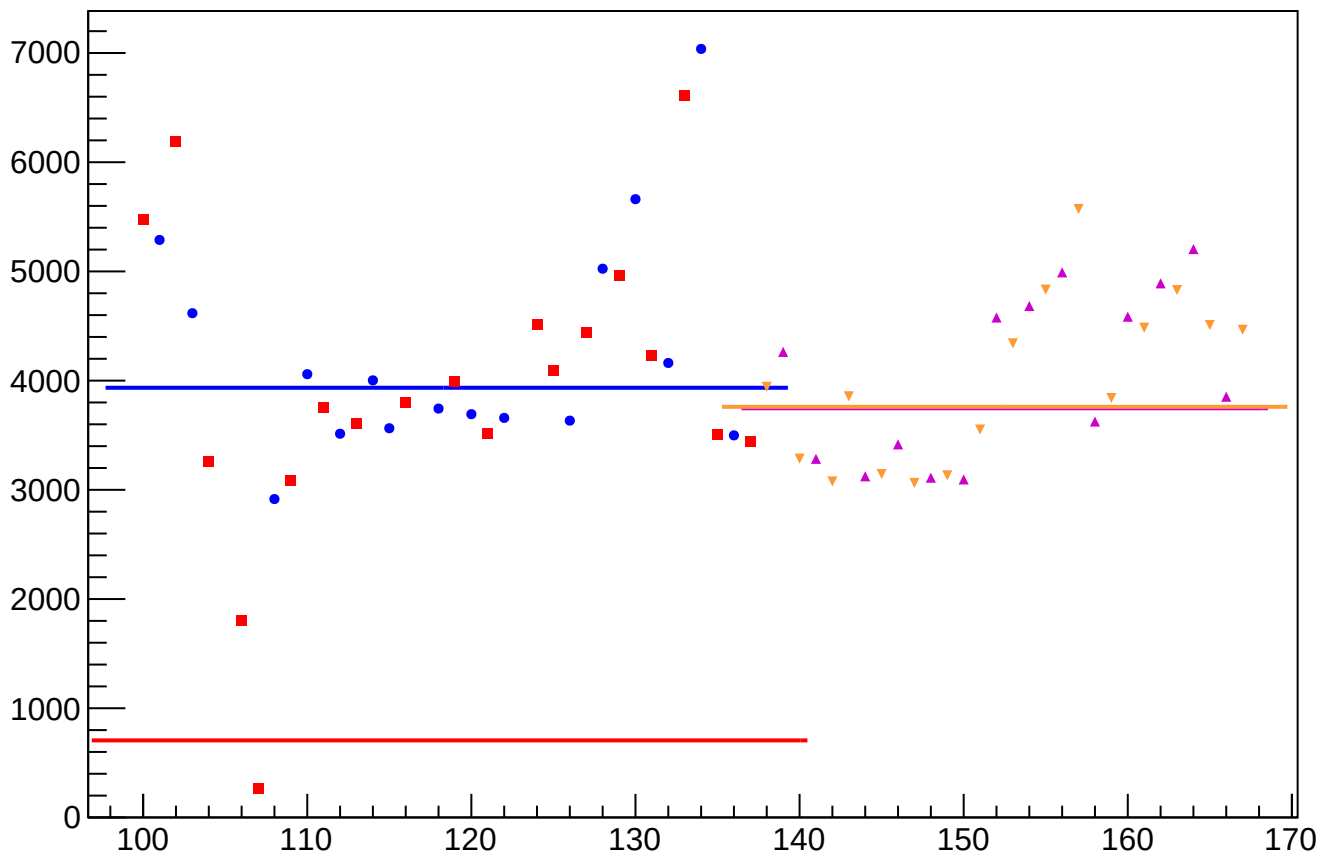
Left In: 1121.779 $\pm$ 1125.178 χ^2/NDF : 9.3/13

+ sign 148.474 $\pm$ 878.338 χ^2/NDF : 32.6/31

All: 108.002 $\pm$ 411.816 χ^2/NDF : 61.4/64

- sign 96.598 $\pm$ 466.239 χ^2/NDF : 28.9/32

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727 $\pm$ 1.062 χ^2/NDF : 560149.8/15

Left Out: 3760.217 $\pm$ 0.766 χ^2/NDF : 779834.5/15

Right Out: 705.620 $\pm$ 0.362 χ^2/NDF : 10747208.1/18

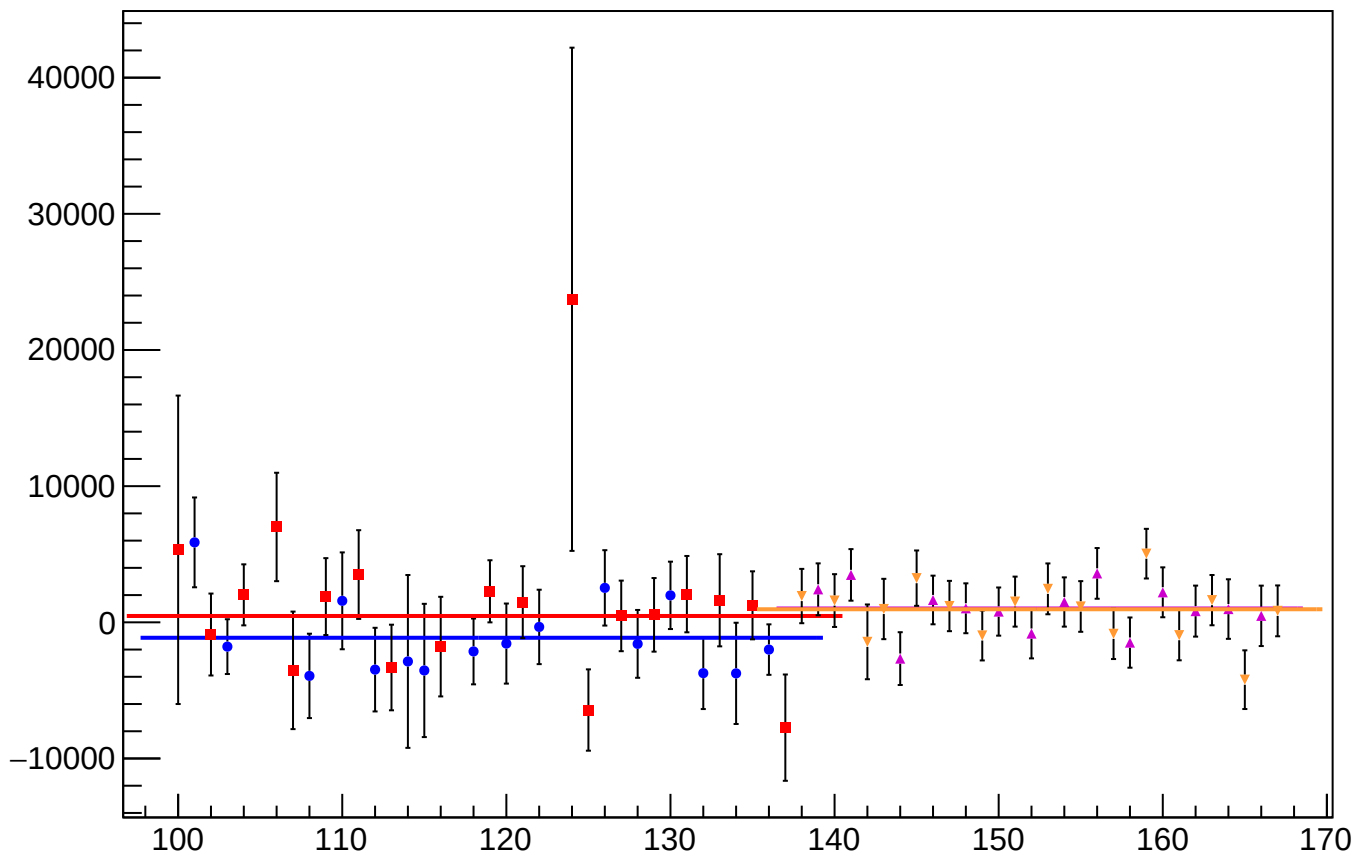
Left In: 3746.702 $\pm$ 0.796 χ^2/NDF : 763832.3/13

+ sign 3819.883 $\pm$ 0.621 χ^2/NDF : 1357748.3/31

All: 1797.597 $\pm$ 0.291 χ^2/NDF : 38559489.9/6

- sign 1227.779 $\pm$ 0.330 χ^2/NDF : 23612309.3/32

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203 $\pm$ 693.782 χ^2 /NDF: 12.2/15

Left Out: 959.214 $\pm$ 485.650 χ^2 /NDF: 17.2/15

Right Out: 465.899 $\pm$ 705.928 χ^2 /NDF: 20.0/18

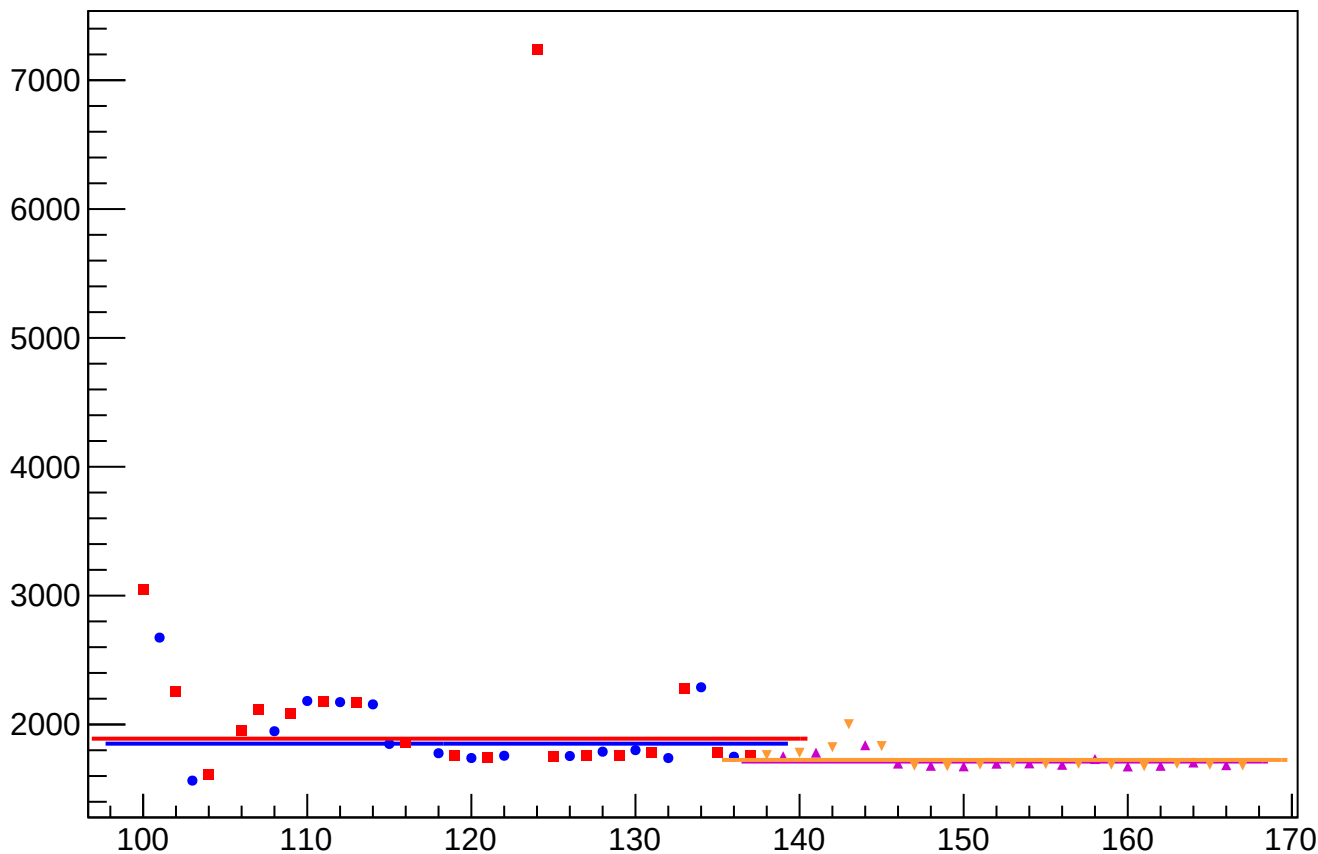
Left In: 1016.456 $\pm$ 504.086 χ^2 /NDF: 11.3/13

+ sign 270.770 $\pm$ 397.859 χ^2 /NDF: 35.5/31

All: 542.081 $\pm$ 285.603 χ^2 /NDF: 68.2/64

- sign 830.529 $\pm$ 410.232 χ^2 /NDF: 31.8/32

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF : 51096.0/15

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

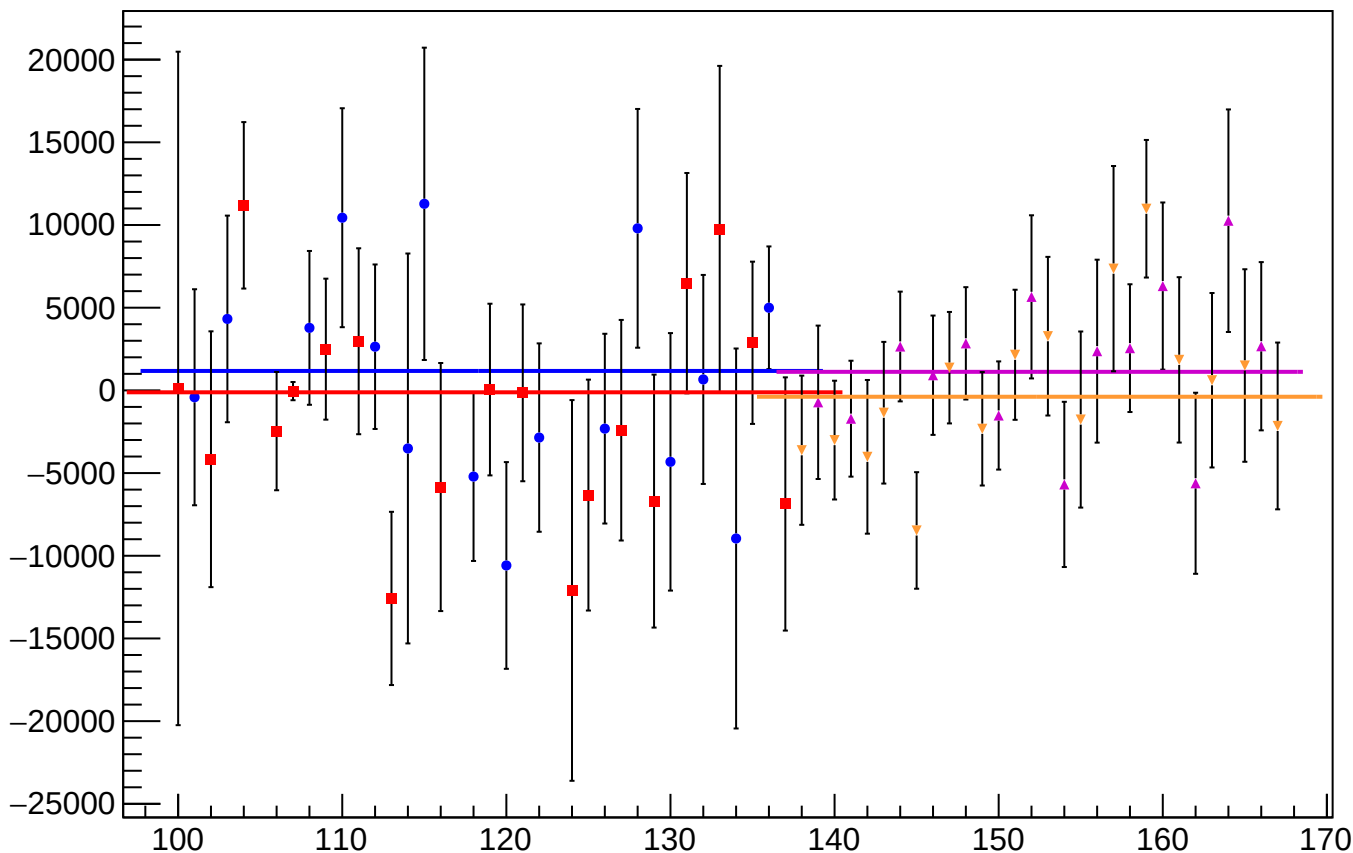
Left In: 1712.389+/-0.356 χ^2/NDF : 16522.7/13

+ sign 1766.357+/-0.281 χ^2/NDF : 355569.9/31

All: 1769.352+/-0.202 χ^2/NDF : 815517.5/64

- sign 1772.531+/-0.290 χ^2/NDF : 459714.0/32

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2/NDF : 13.7/15

Left Out: -385.058 $\pm$ 1082.724 χ^2/NDF : 18.1/15

Right Out: -115.917 $\pm$ 512.289 χ^2/NDF : 18.6/18

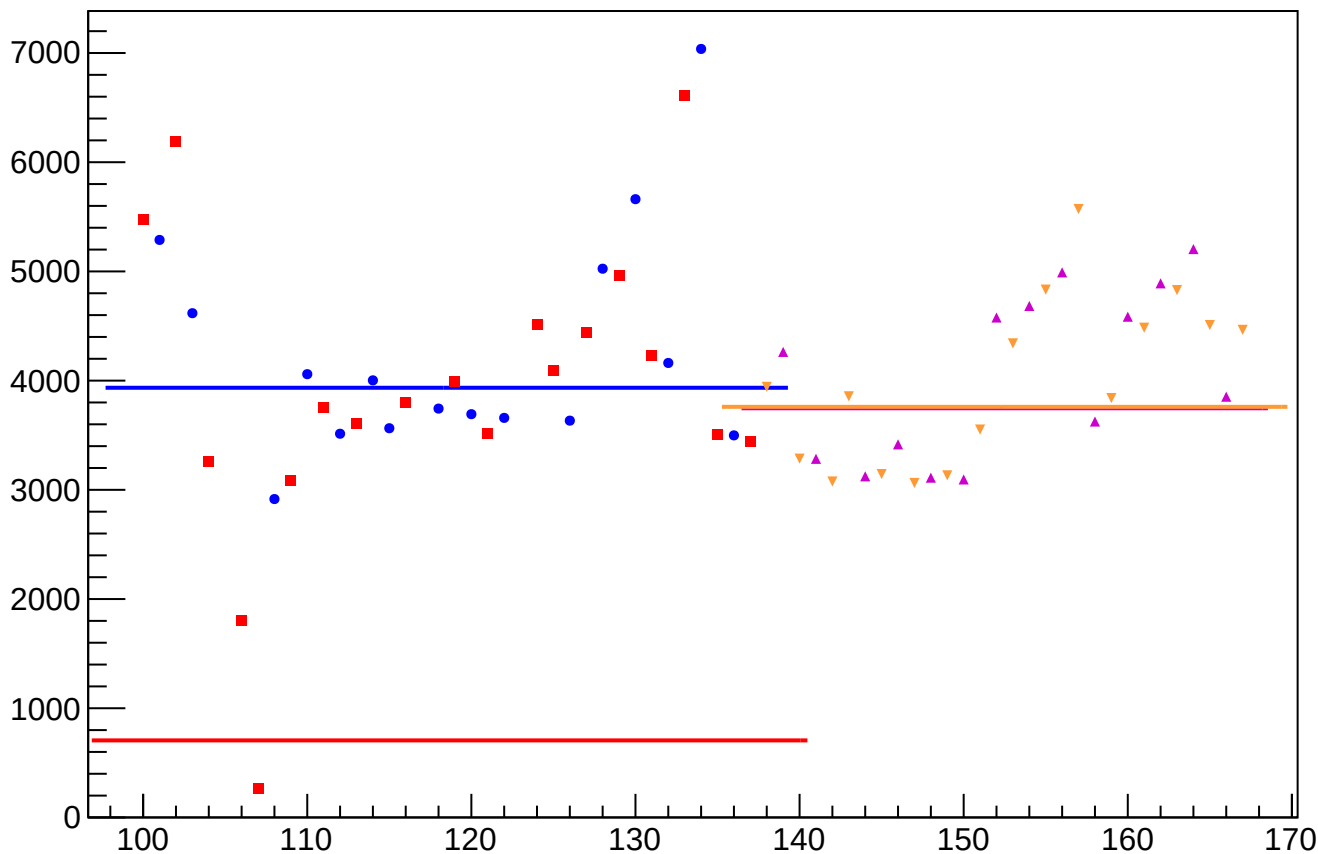
Left In: 1121.779 $\pm$ 1125.178 χ^2/NDF : 9.3/13

+ sign 148.474 $\pm$ 878.338 χ^2/NDF : 32.6/31

All: 108.002 $\pm$ 411.816 χ^2/NDF : 61.4/64

- sign -96.598 $\pm$ 466.239 χ^2/NDF : 28.9/32

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727 $\pm$ 1.062 χ^2/NDF : 560149.8/15

Left Out: 3760.217 $\pm$ 0.766 χ^2/NDF : 779834.5/15

Right Out: 705.620 $\pm$ 0.362 χ^2/NDF : 10747208.1/18

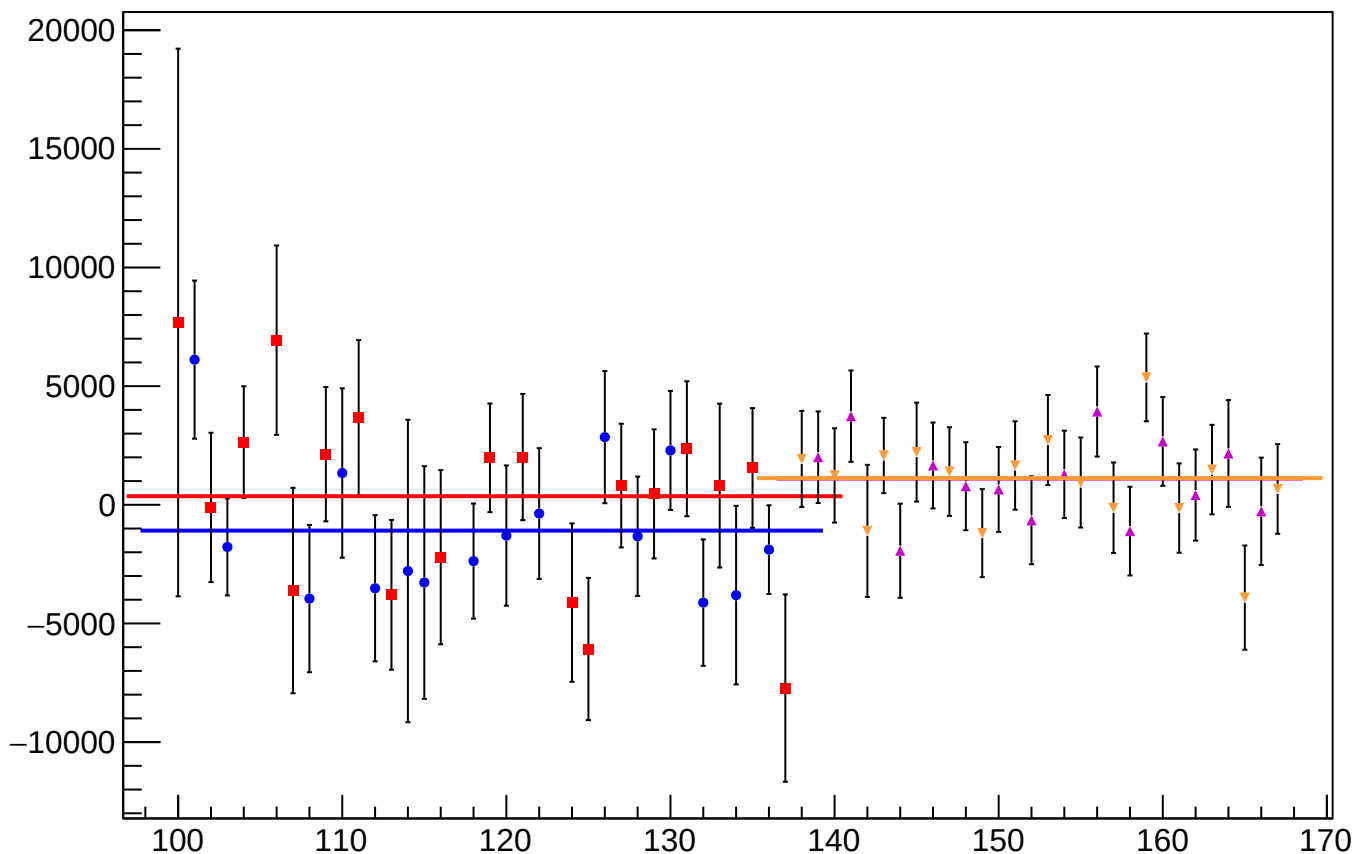
Left In: 3746.702 $\pm$ 0.796 χ^2/NDF : 763832.3/13

+ sign 3819.883 $\pm$ 0.621 χ^2/NDF : 1357748.3/31

All: 1797.597 $\pm$ 0.291 χ^2/NDF : 38559489.9/6

- sign 1227.779 $\pm$ 0.330 χ^2/NDF : 23612309.3/32

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731 ± 699.579 χ^2/NDF : 13.2/15

Left Out: 1123.675 ± 482.617 χ^2/NDF : 15.3/15

Right Out: 361.218 ± 699.665 χ^2/NDF : 20.8/18

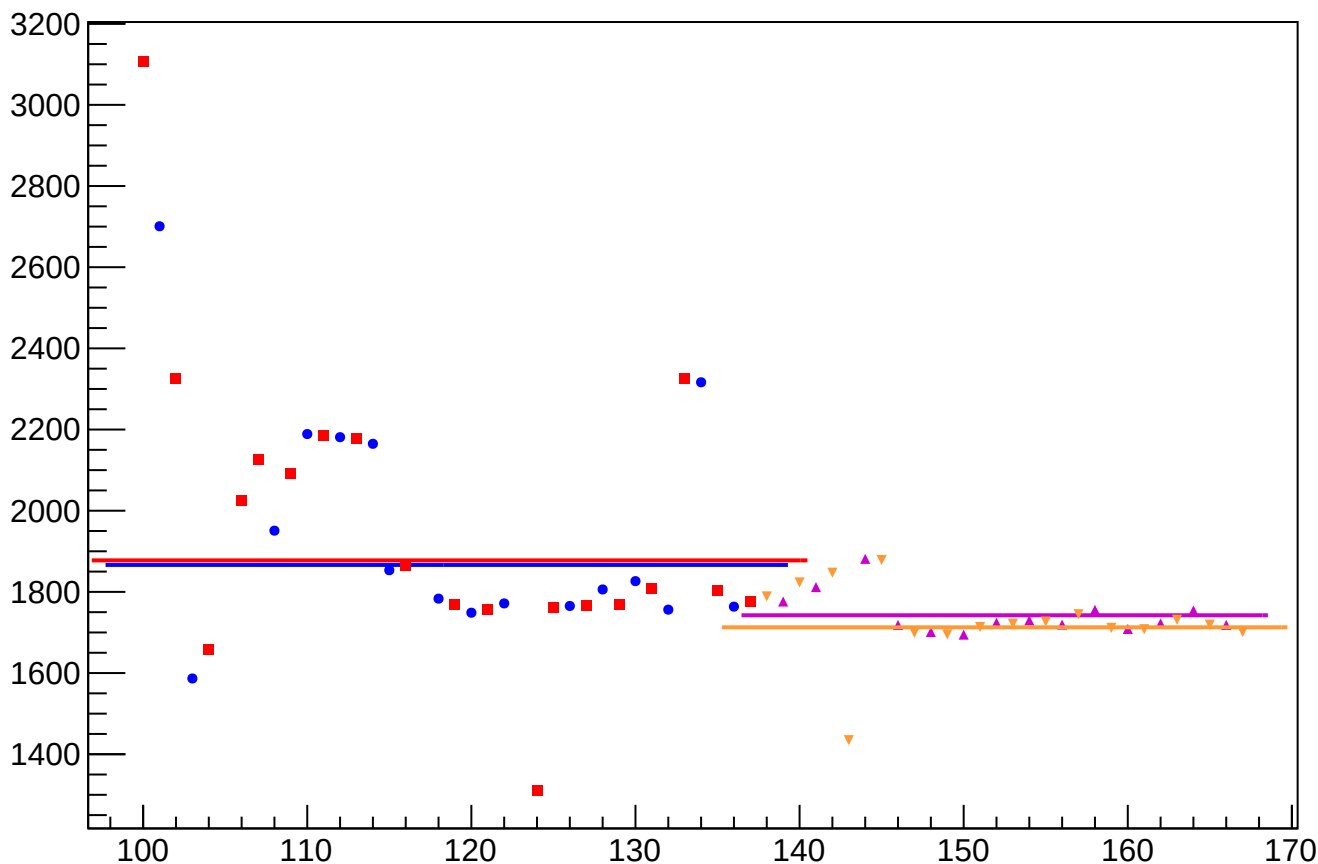
Left In: 1105.366 ± 512.944 χ^2/NDF : 10.6/13

+ sign 410.596 ± 397.257 χ^2/NDF : 35.3/31

All: 619.111 ± 286.533 χ^2/NDF : 68.0/64

- sign 845.224 ± 413.681 χ^2/NDF : 32.1/32

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 $\pm$ 0.495 χ^2 /NDF: 256262.4/15

Left Out: 1712.692 $\pm$ 0.341 χ^2 /NDF: 89016.8/15

Right Out: 1877.659 $\pm$ 0.494 χ^2 /NDF: 251850.5/18

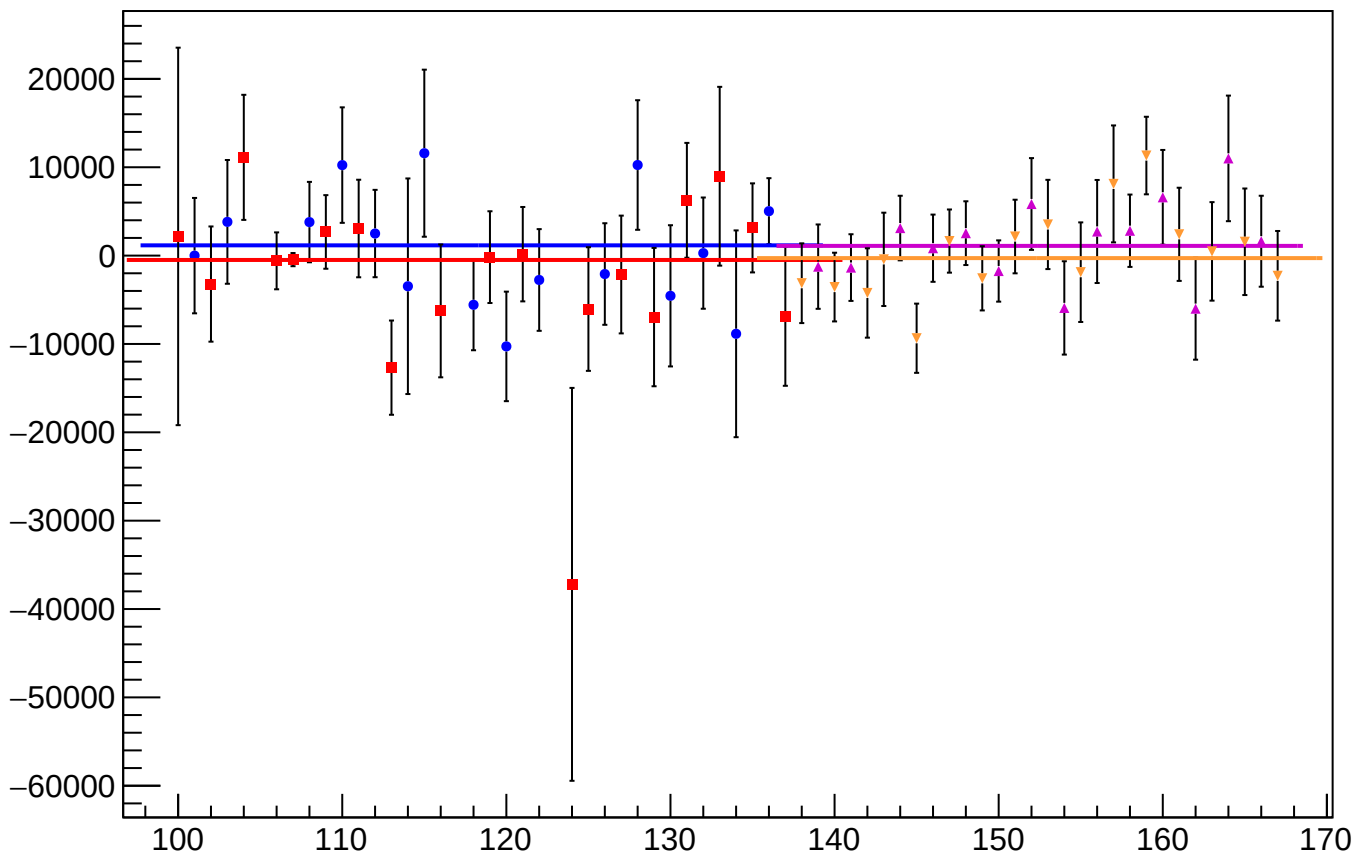
Left In: 1742.392 $\pm$ 0.363 χ^2 /NDF: 17647.8/13

+ sign 1762.274 $\pm$ 0.281 χ^2 /NDF: 410743.4/31

All: 1775.450 $\pm$ 0.203 χ^2 /NDF: 733499.7/64

- sign 1789.730 $\pm$ 0.292 χ^2 /NDF: 318171.4/32

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124 $\pm$ 1512.225 χ^2 /NDF: 13.7/15

Left Out: -283.196 $\pm$ 1157.103 χ^2 /NDF: 17.9/15

Right Out: -492.907 $\pm$ 658.510 χ^2 /NDF: 16.9/18

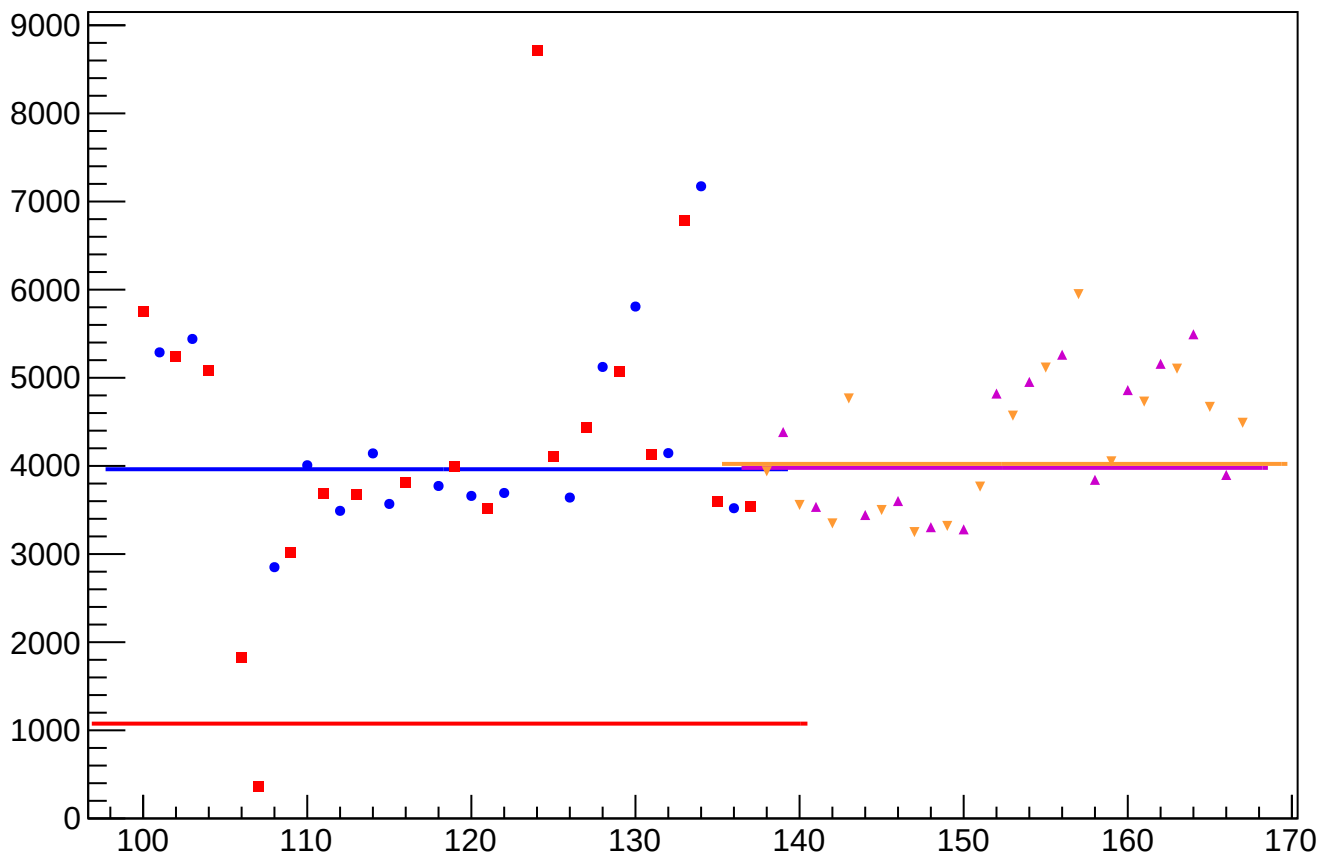
Left In: 1100.484 $\pm$ 1193.224 χ^2 /NDF: 9.2/13

+ sign 250.156 $\pm$ 918.950 χ^2 /NDF: 32.1/31

All: -16.106 $\pm$ 488.380 χ^2 /NDF: 59.7/64

- sign -120.911 $\pm$ 576.540 χ^2 /NDF: 27.5/32

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF : 668339.6/15

Left Out: 4022.937+/-0.818 χ^2/NDF : 735891.4/15

Right Out: 1075.957+/-0.466 χ^2/NDF : 9558372.9/18

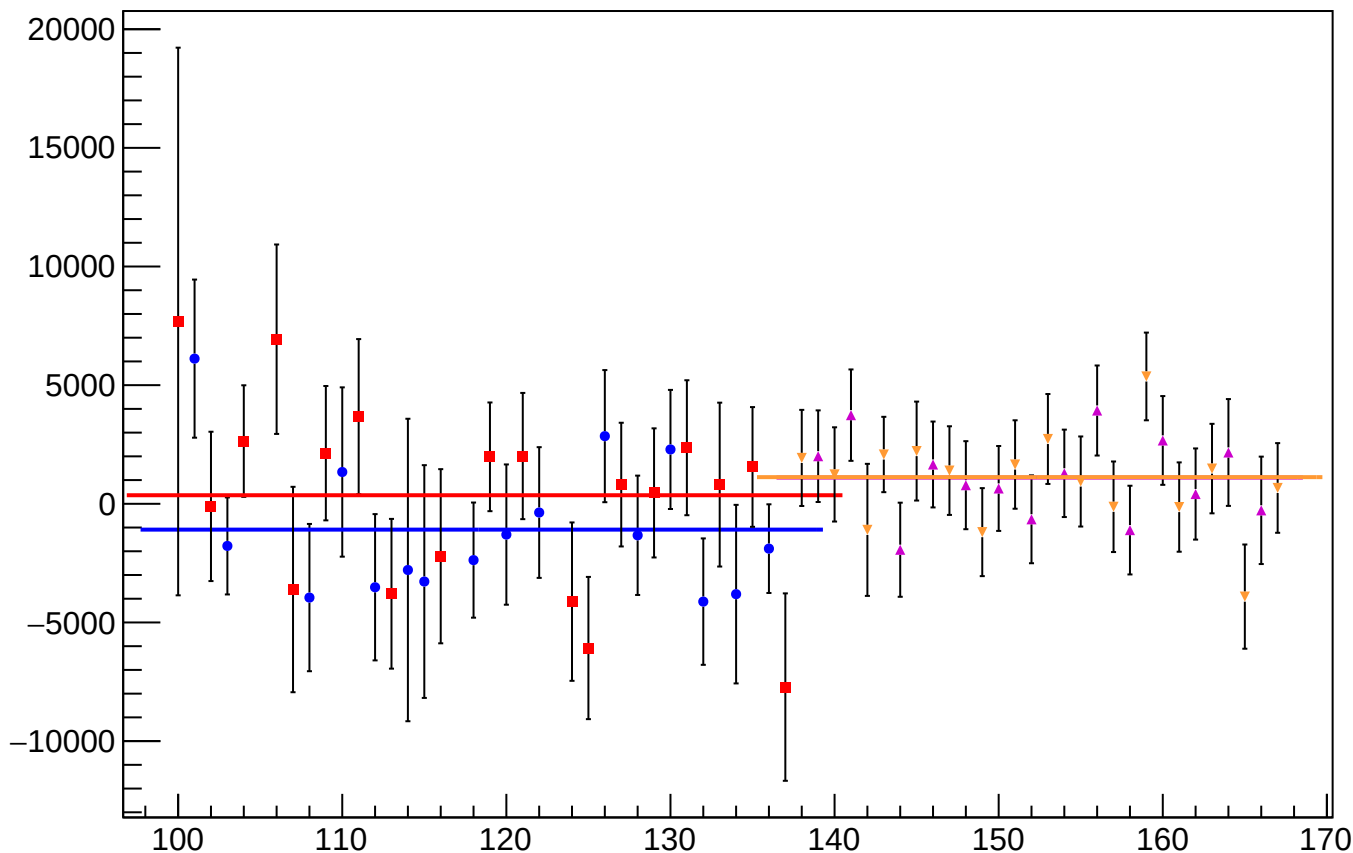
Left In: 3978.040+/-0.844 χ^2/NDF : 704247.3/13

+ sign 4000.570+/-0.650 χ^2/NDF : 1406254.7/31

All: 2388.157+/-0.345 χ^2/NDF : 29318554.9/6

- sign 1753.482+/-0.408 χ^2/NDF : 19331208.9/32

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736 $\pm$ 699.579 χ^2 /NDF: 13.2/15

Left Out: 1123.680 $\pm$ 482.617 χ^2 /NDF:15.3/15

Right Out: 361.223 $\pm$ 699.665 χ^2 /NDF: 20.8/18

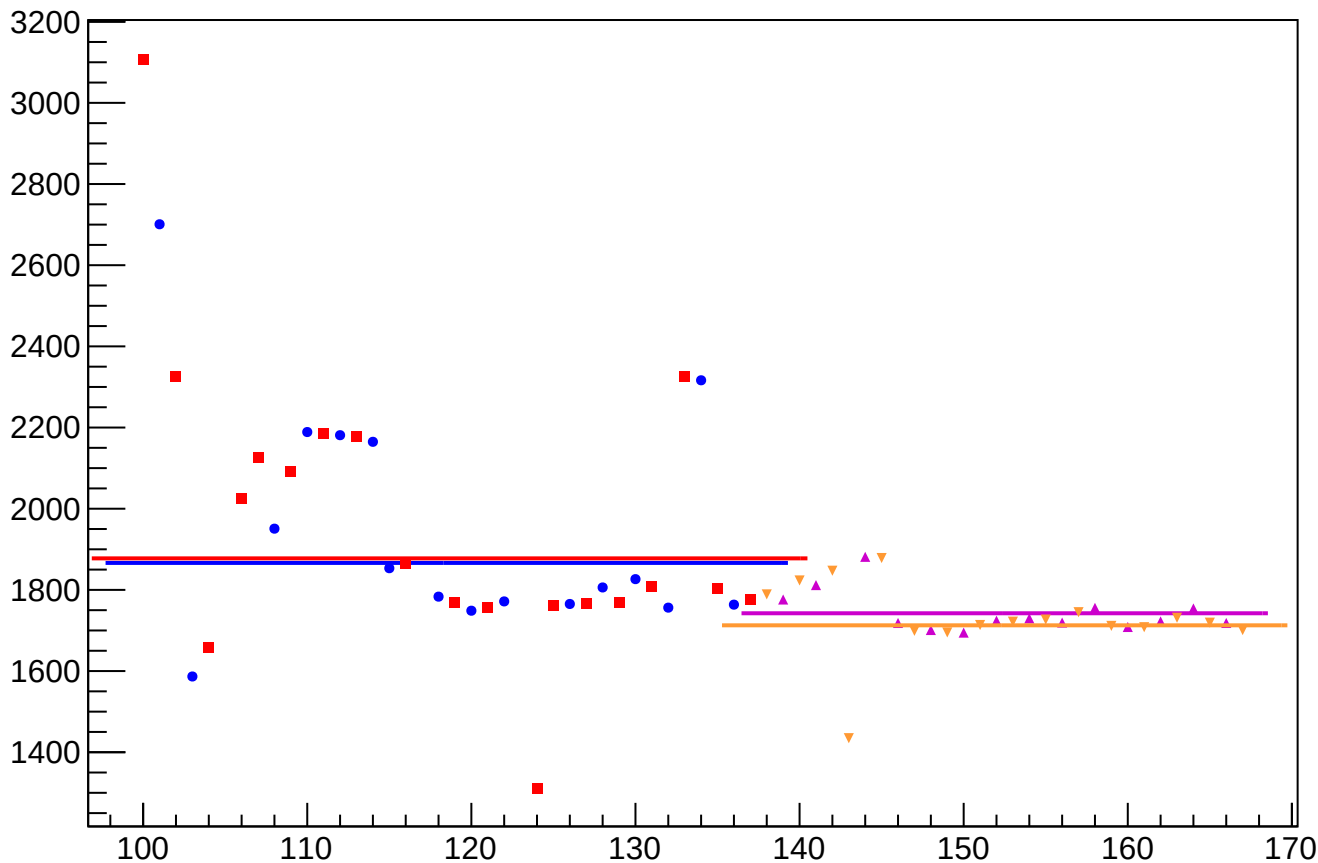
Left In: 1105.368 $\pm$ 512.944 χ^2 /NDF:10.6/13

+ sign 410.597 $\pm$ 397.257 χ^2 /NDF: 35.3/31

All: 619.113 $\pm$ 286.534 χ^2 /NDF: 68.0/64

- sign 845.227 $\pm$ 413.681 χ^2 /NDF: 32.1/32

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 $\pm$ 0.495 χ^2 /NDF: 256262.3/15

Left Out: 1712.693 $\pm$ 0.341 χ^2 /NDF: 89016.0/15

Right Out: 1877.659 $\pm$ 0.494 χ^2 /NDF: 251850.8/18

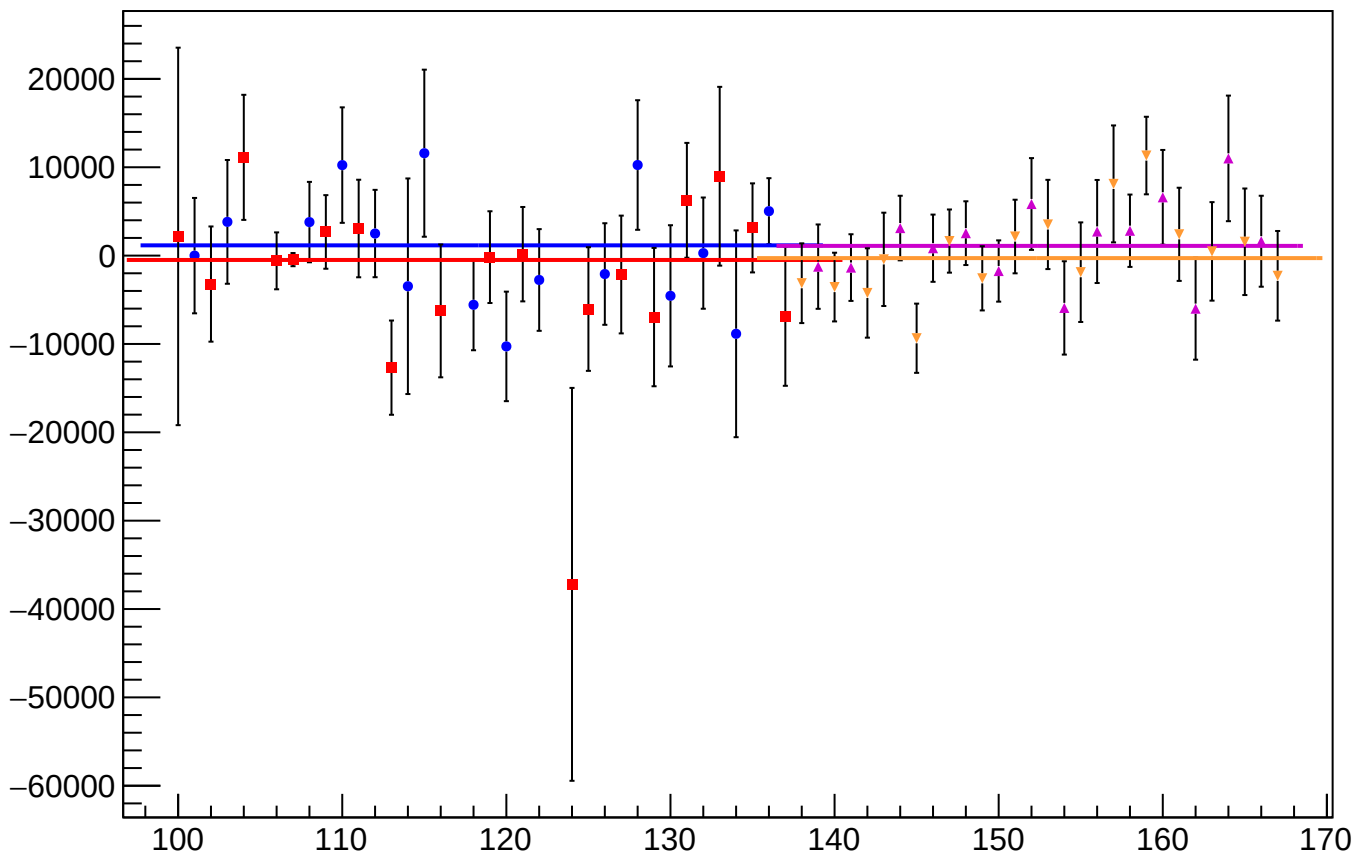
Left In: 1742.393 $\pm$ 0.363 χ^2 /NDF: 17647.7/13

+ sign 1762.274 $\pm$ 0.281 χ^2 /NDF: 410741.5/31

All: 1775.451 $\pm$ 0.203 χ^2 /NDF: 733497.2/64

- sign 1789.731 $\pm$ 0.292 χ^2 /NDF: 318171.0/32

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 1161.104 $\pm$ 1512.222 χ^2 /NDF: 13.7/15

Left Out: -283.195 $\pm$ 1157.105 χ^2 /NDF:17.9/15

Right Out: -492.914 $\pm$ 658.521 χ^2 /NDF: 16.9/18

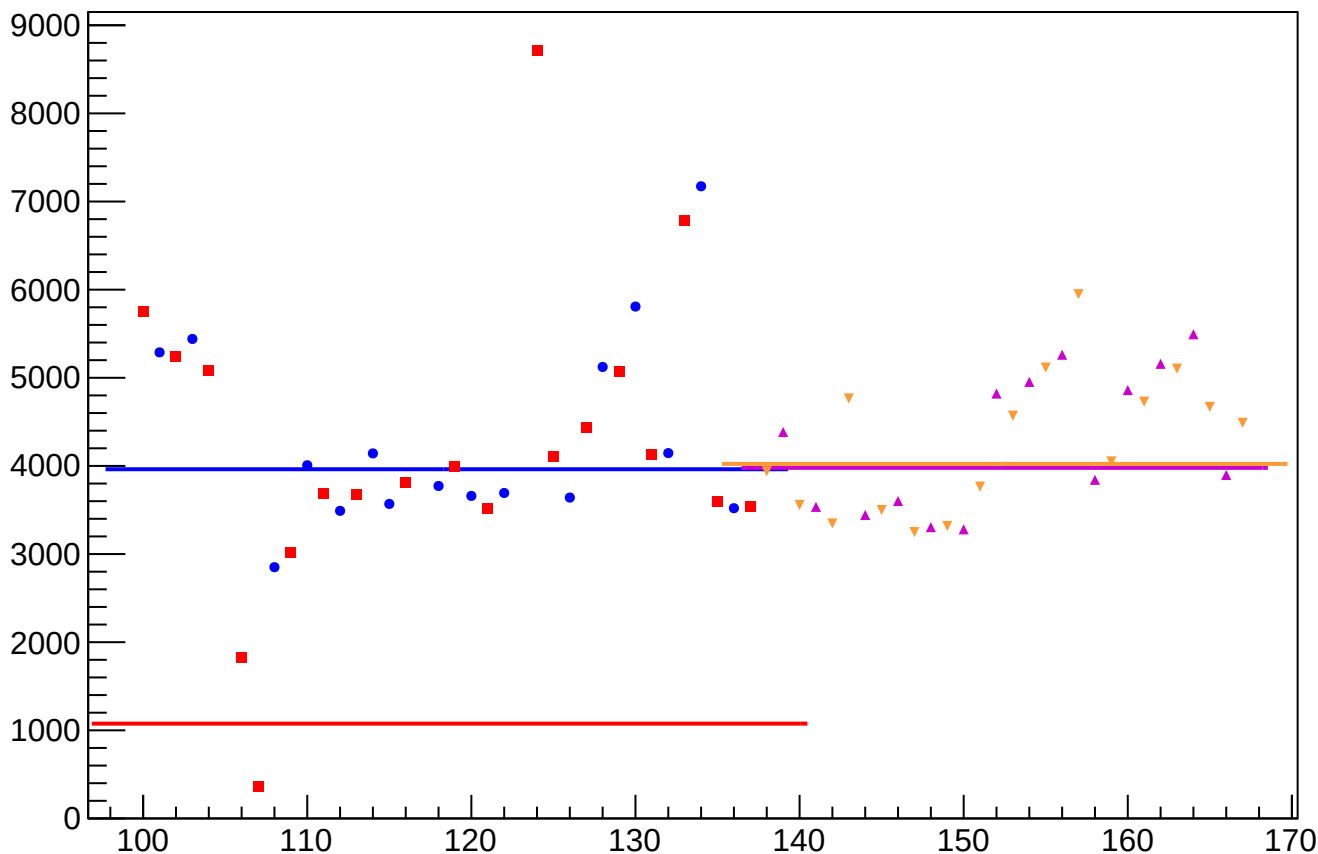
Left In: 1100.483 $\pm$ 1193.225 χ^2 /NDF:9.2/13

+ sign 250.152 $\pm$ 918.950 χ^2 /NDF: 32.1/31

All: -16.103 $\pm$ 488.384 χ^2 /NDF: 59.7/64

- sign -120.909 $\pm$ 576.548 χ^2 /NDF: 27.5/32

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF : 668335.9/15

Left Out: 4022.942+/-0.818 χ^2/NDF : 735892.4/15

Right Out: 1075.988+/-0.466 χ^2/NDF : 9558243.3/18

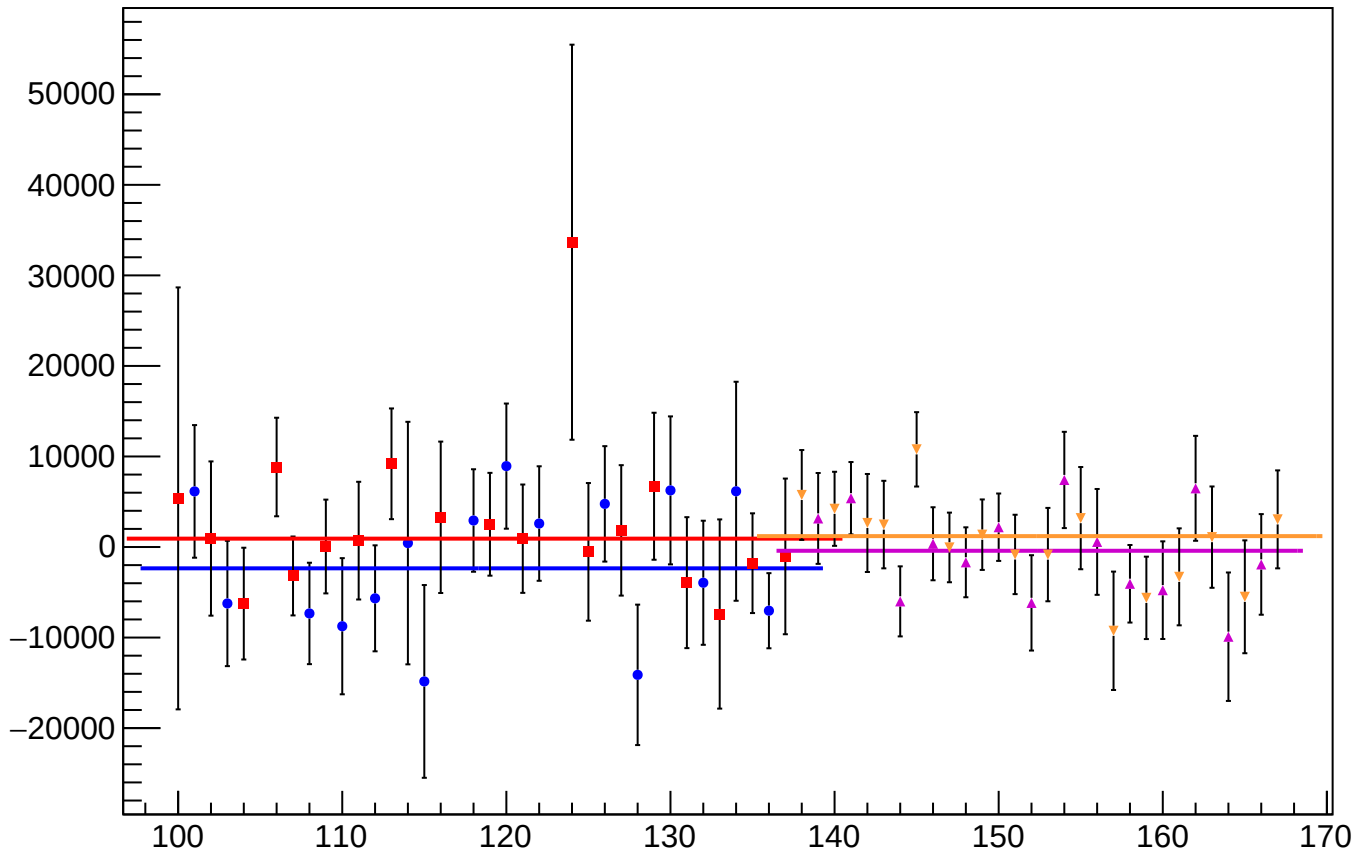
Left In: 3978.046+/-0.844 χ^2/NDF : 704248.1/13

+ sign 4000.571+/-0.650 χ^2/NDF : 1406252.8/31

All: 2388.198+/-0.345 χ^2/NDF : 29317812.3/6

- sign 1753.522+/-0.408 χ^2/NDF : 19330834.6/32

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851 ± 1684.784 χ^2/NDF : 15.5/15

Left Out: 1202.522 ± 1204.169 χ^2/NDF : 14.4/15

Right Out: 924.896 ± 1546.889 χ^2/NDF : 10.6/18

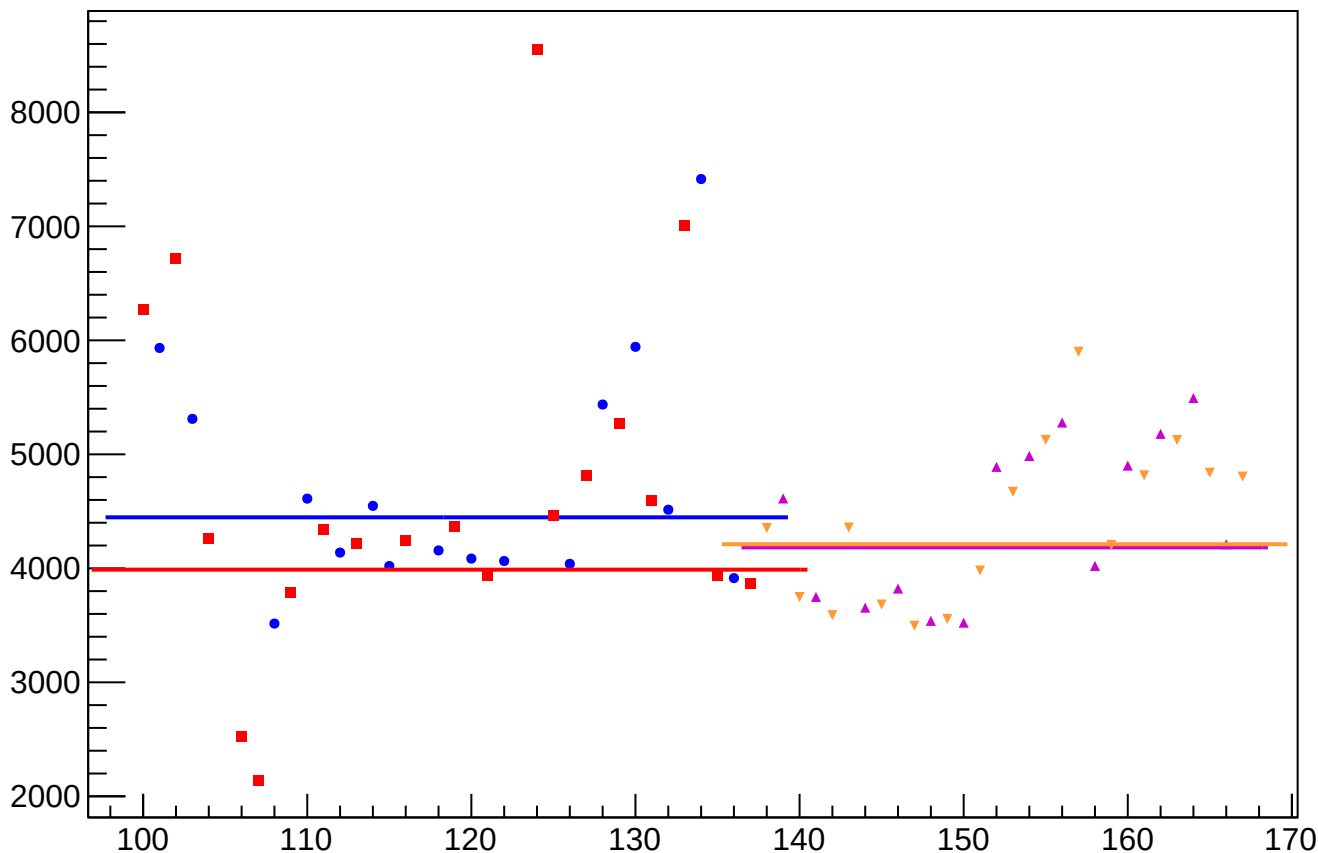
Left In: -414.935 ± 1248.409 χ^2/NDF : 13.4/13

+ sign -0.287 ± 979.666 χ^2/NDF : 32.9/31

All: 57.097 ± 689.822 χ^2/NDF : 57.3/64

- sign 113.527 ± 971.496 χ^2/NDF : 24.4/32

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2 /NDF: 458251.2/15

Left Out: 4211.413+/-0.851 χ^2 /NDF: 545265.6/15

Right Out: 3988.249+/-1.083 χ^2 /NDF: 1143932.4/18

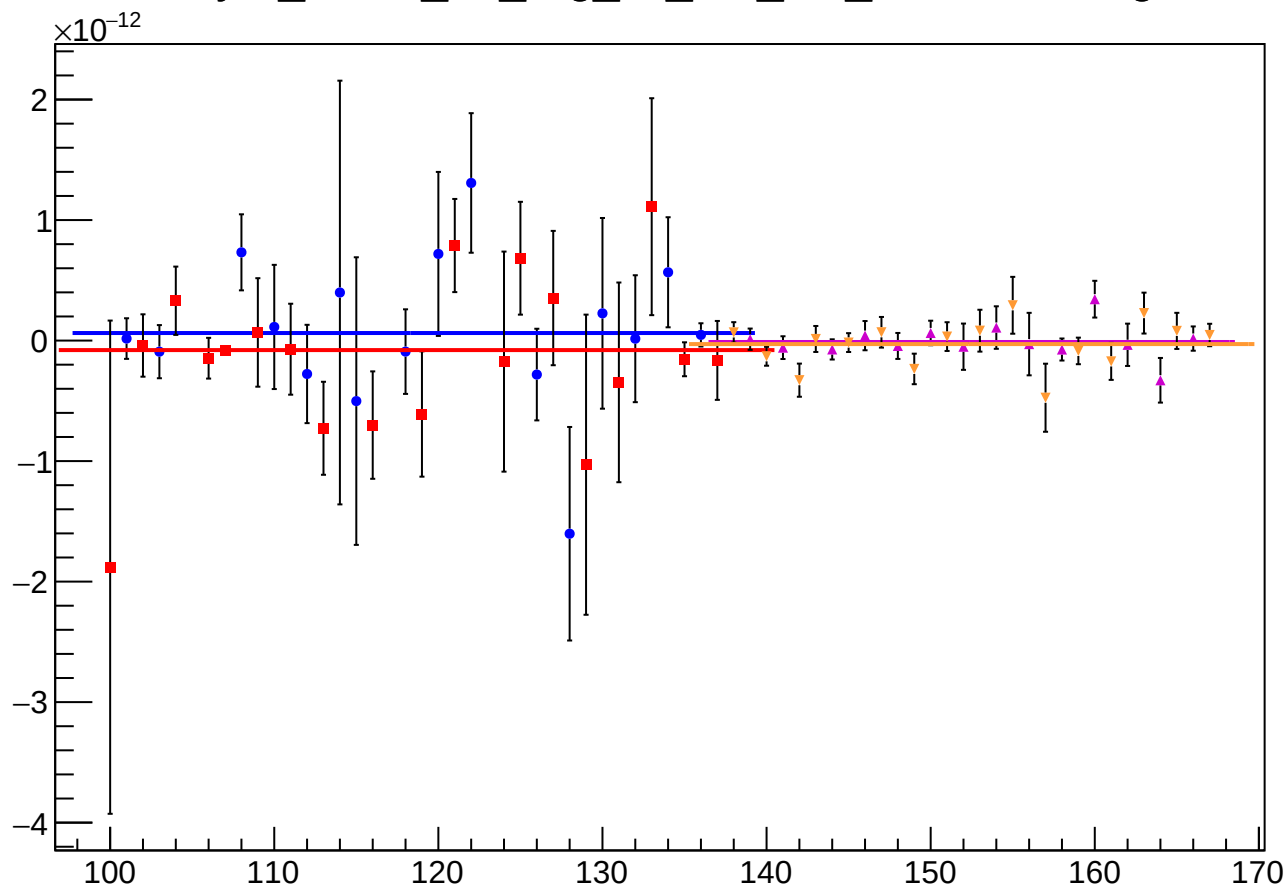
Left In: 4183.487+/-0.883 χ^2 /NDF: 527777.0/13

+ sign 4291.212+/-0.693 χ^2 /NDF: 1029493.7/31

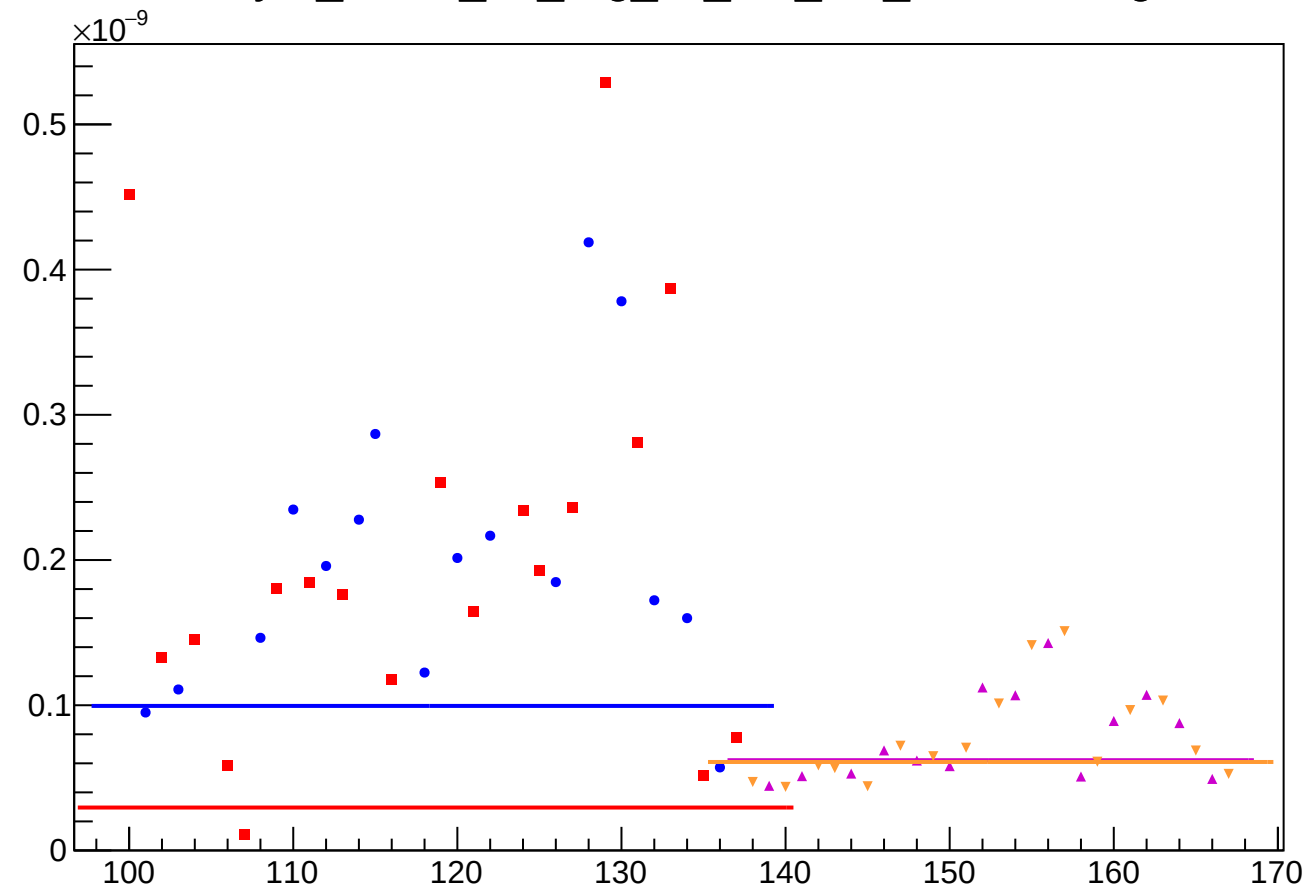
All: 4197.236+/-0.487 χ^2 /NDF: 2757089.1/64

- sign 4105.549+/-0.684 χ^2 /NDF: 1691236.2/32

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1072089.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4363474.8/18

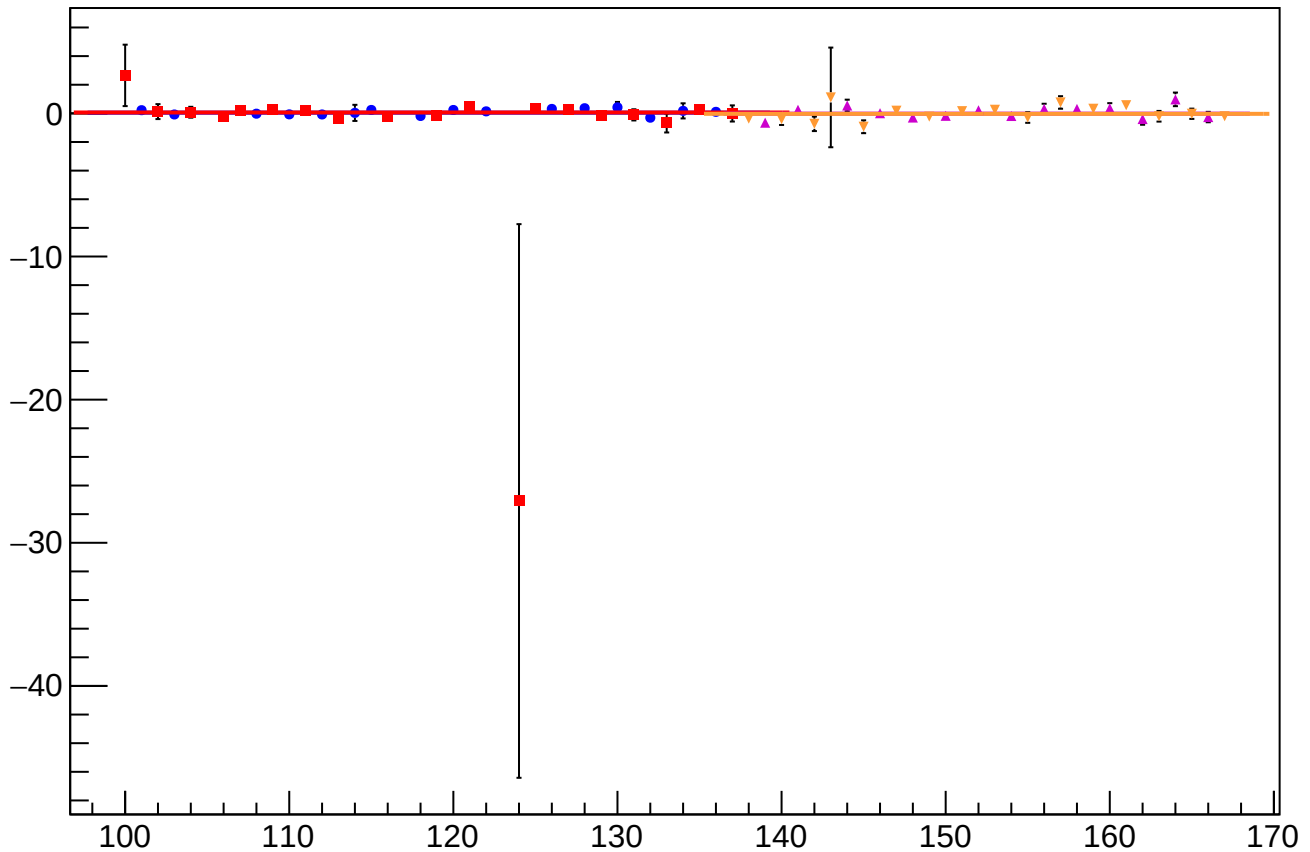
Left In: 0.000+/-0.000 χ^2/NDF : 893731.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 3178735.1/31

All: 0.000+/-0.000 χ^2/NDF : 10105418.1/64

- sign 0.000+/-0.000 χ^2/NDF : 6280287.6/32

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 ± 0.066 χ^2/NDF : 7.6/15

Left Out: -0.033 ± 0.087 χ^2/NDF : 19.2/15

Right Out: 0.061 ± 0.064 χ^2/NDF : 18.4/18

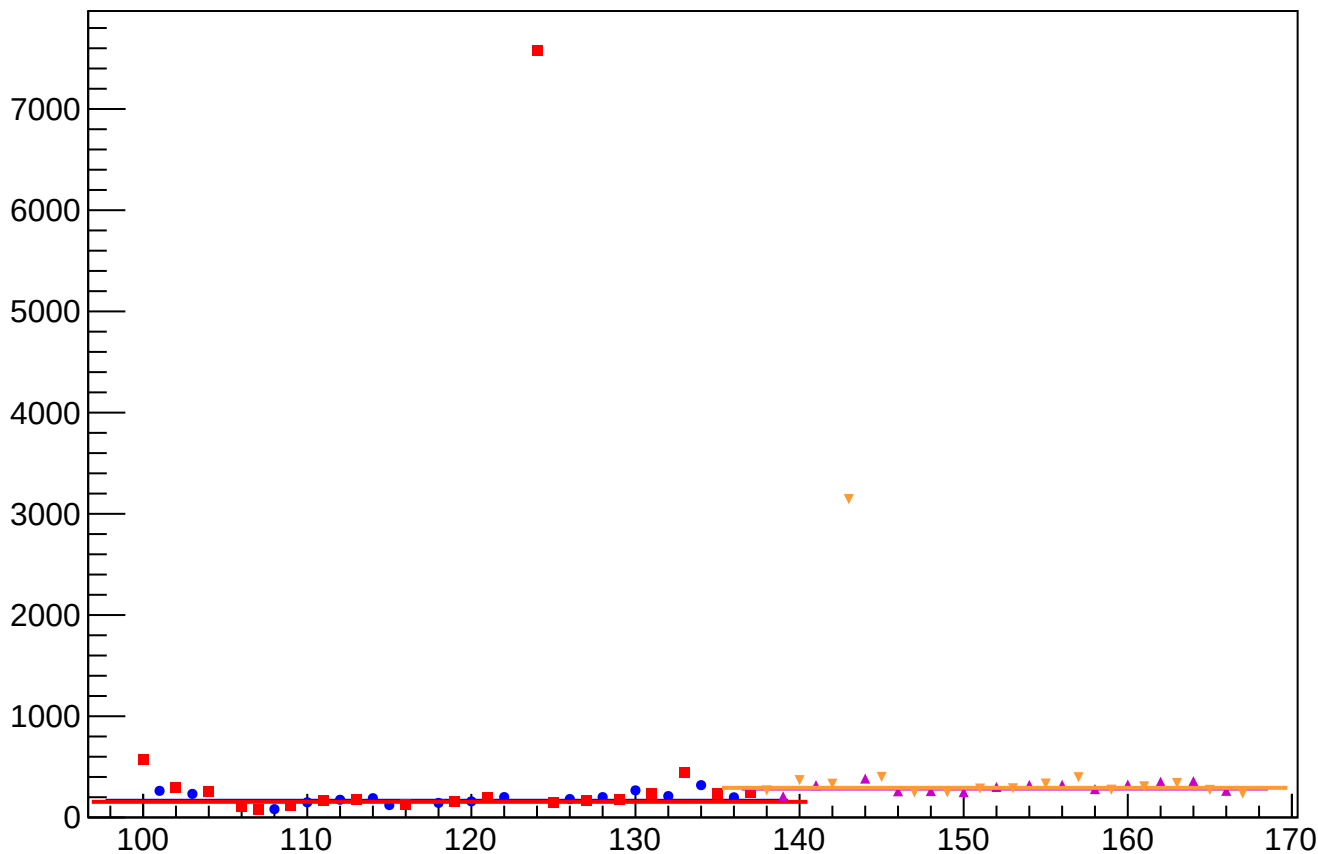
Left In: -0.020 ± 0.086 χ^2/NDF : 20.4/13

+ sign 0.018 ± 0.053 χ^2/NDF : 27.4/31

All: 0.025 ± 0.037 χ^2/NDF : 66.7/64

- sign 0.032 ± 0.052 χ^2/NDF : 39.3/32

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: 292.607 $\pm$ 0.061 χ^2 /NDF:1939410.0/15

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

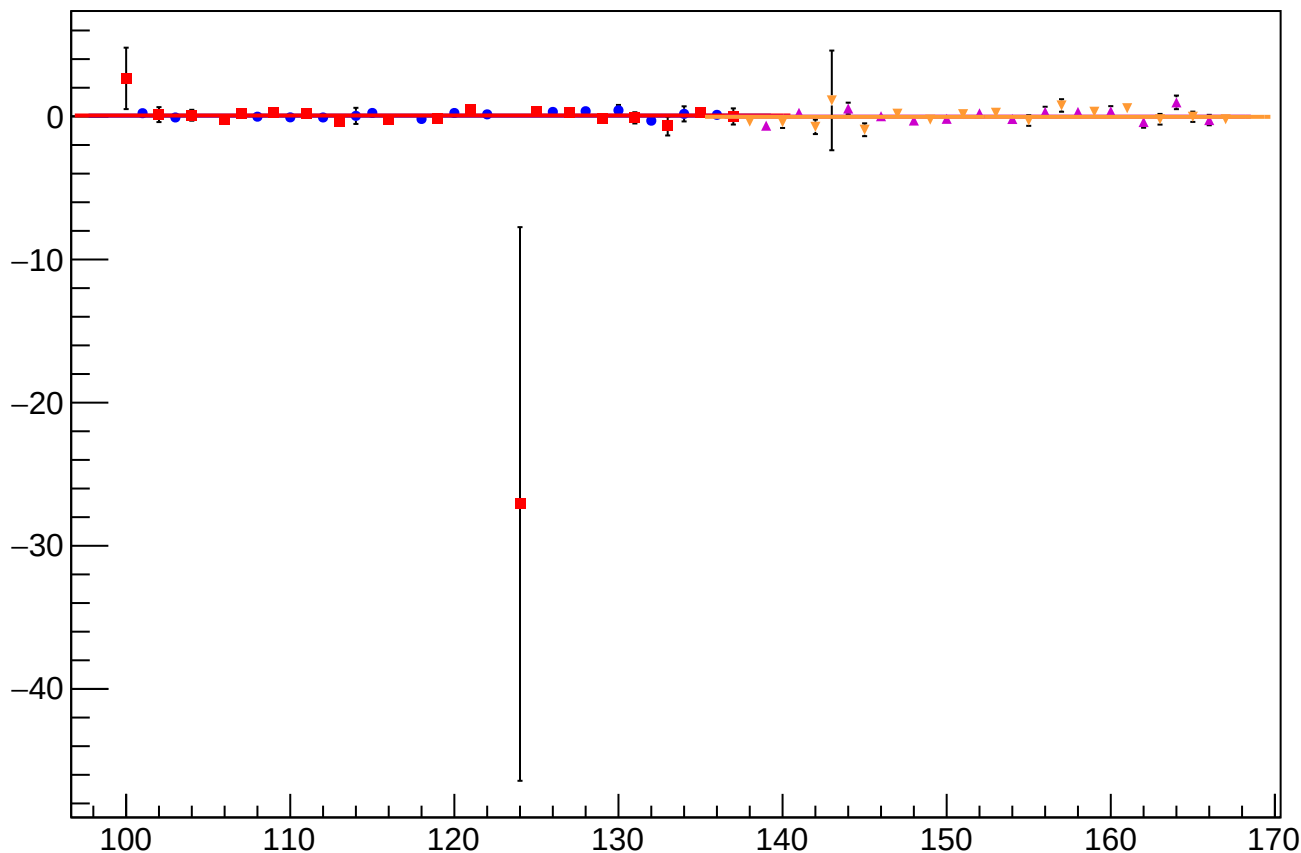
Left In: 285.521 $\pm$ 0.061 χ^2 /NDF:593696.7/13

+ sign 212.207 $\pm$ 0.037 χ^2 /NDF: 6157107.6/31

All: 206.653 $\pm$ 0.026 χ^2 /NDF: 11683520.8/64

- sign 201.325 $\pm$ 0.036 χ^2 /NDF: 5482870.0/32

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: -0.033 $\pm$ 0.087 χ^2 /NDF:19.2/15

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

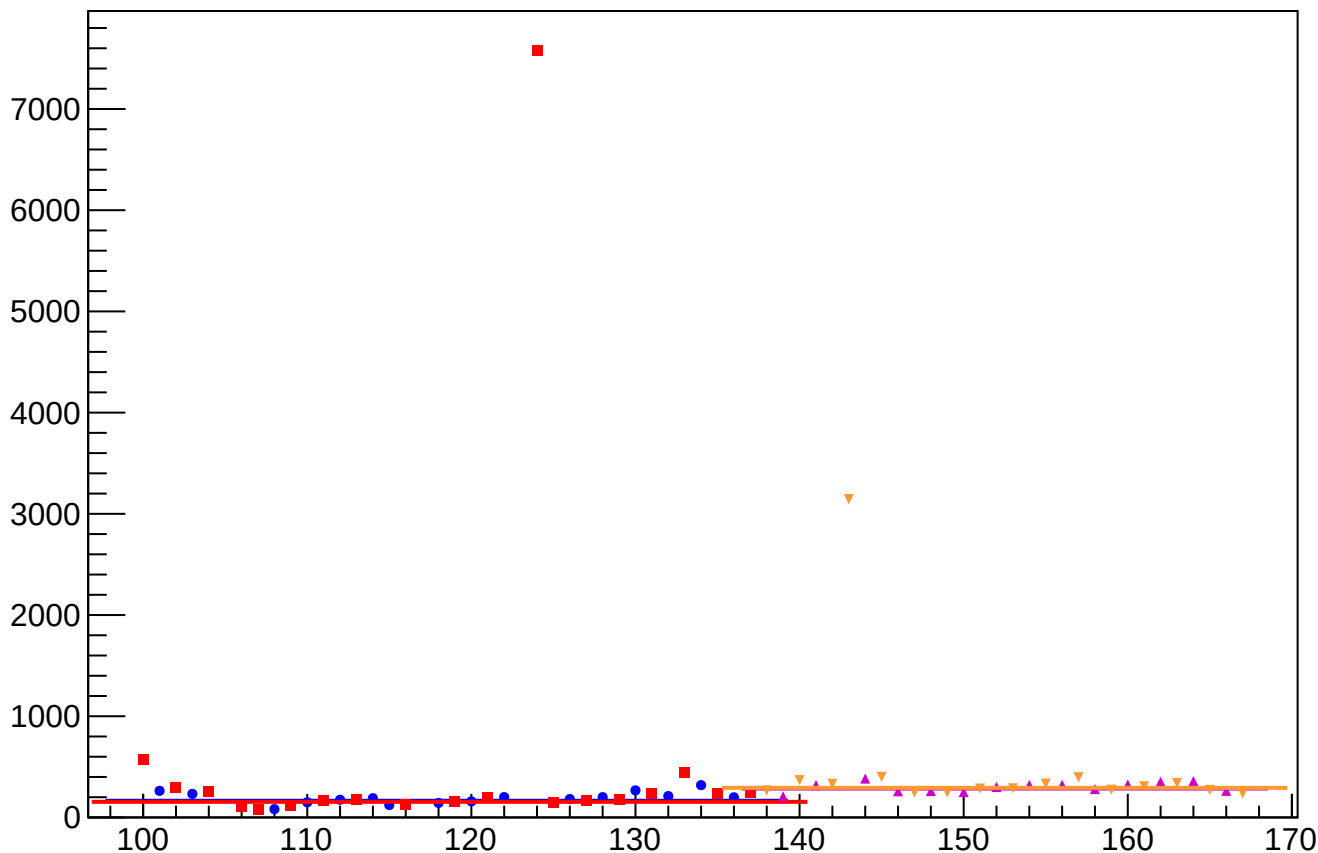
Left In: -0.020 $\pm$ 0.086 χ^2 /NDF:20.4/13

+ sign 0.018 $\pm$ 0.053 χ^2 /NDF: 27.4/31

All: 0.025 $\pm$ 0.037 χ^2 /NDF: 66.7/64

- sign 0.032 $\pm$ 0.052 χ^2 /NDF: 39.3/32

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: 292.607 $\pm$ 0.061 χ^2 /NDF:1939410.0/15

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

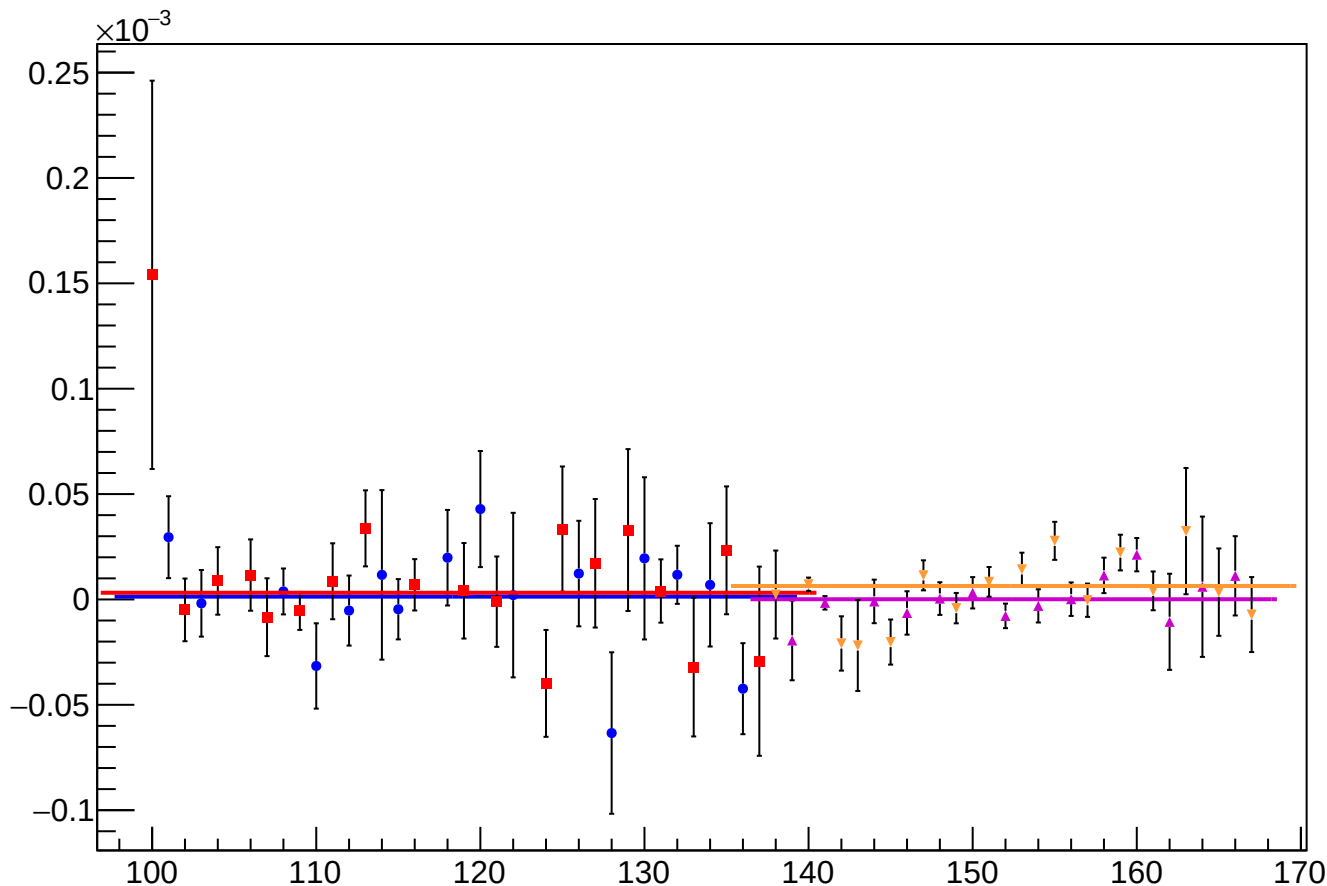
Left In: 285.521 $\pm$ 0.061 χ^2 /NDF:593696.7/13

+ sign 212.207 $\pm$ 0.037 χ^2 /NDF: 6157107.6/31

All: 206.653 $\pm$ 0.026 χ^2 /NDF: 11683520.8/64

- sign 201.325 $\pm$ 0.036 χ^2 /NDF: 5482870.0/32

asym_atl1r2_dd_eigen_dit_vs_dit_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 : 27.5/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.6/18

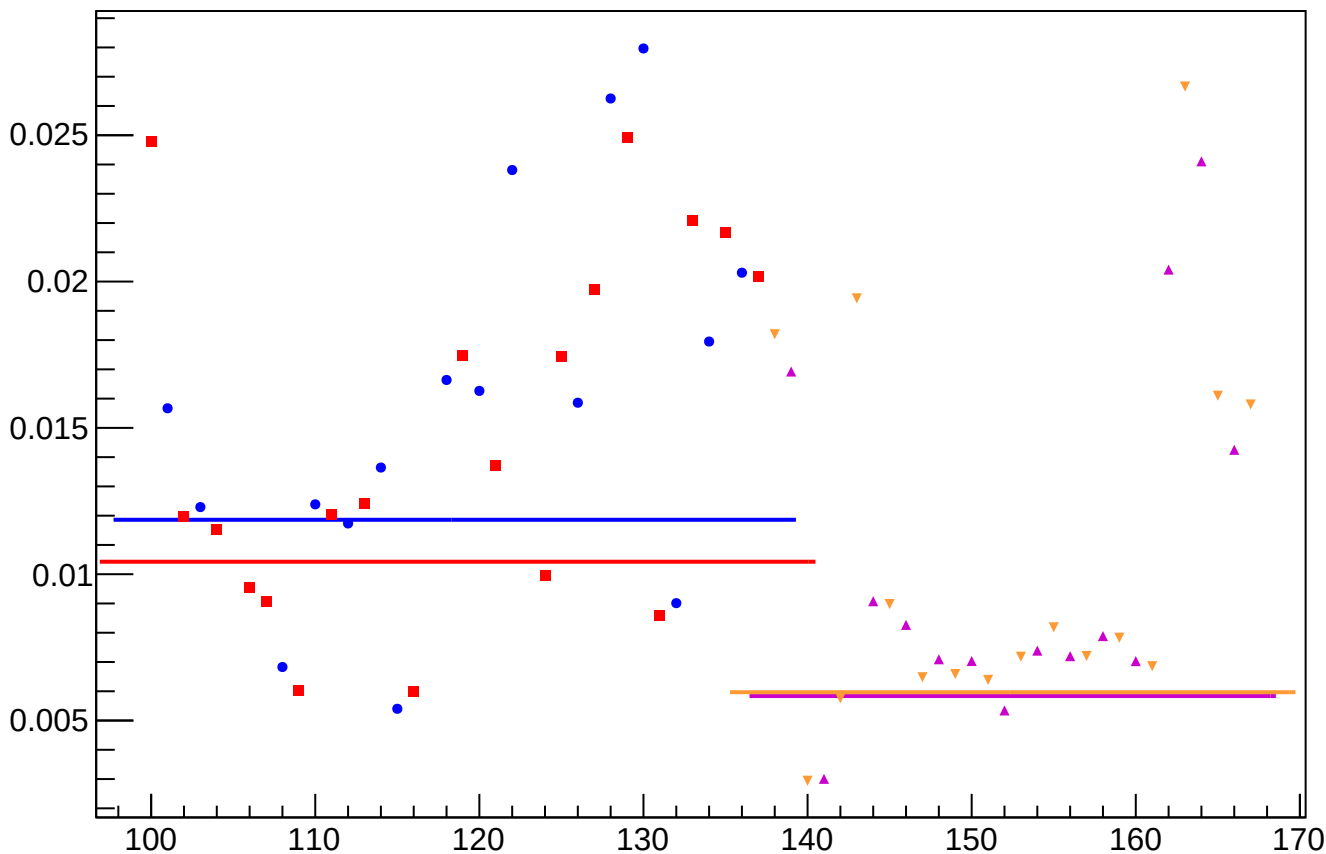
Left In: 0.000 ± 0.000 χ^2/NDF : 13.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 44.5/31

All: 0.000 ± 0.000 χ^2/NDF : 76.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 28.5/32

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: 0.006 $\pm$ 0.000 χ^2/NDF : 5806633.6/15

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 2355101.8/18

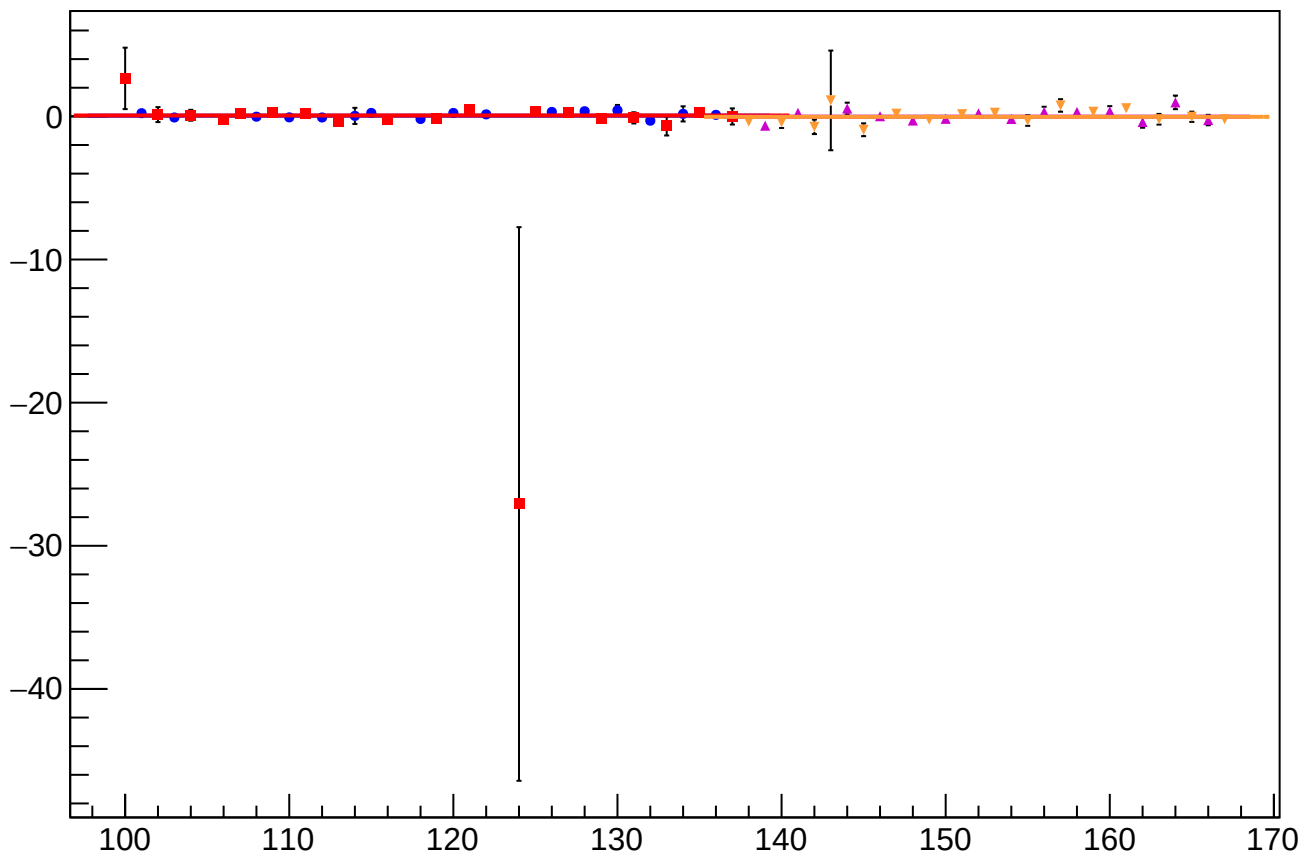
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 4791653.7/13

+ sign 0.007 $\pm$ 0.000 χ^2/NDF : 10718527.4/31

All: 0.007 $\pm$ 0.000 χ^2/NDF : 19791720.7/64

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 9067225.6/32

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 ± 0.066 χ^2/NDF : 7.6/15

Left Out: -0.033 ± 0.087 χ^2/NDF : 19.2/15

Right Out: 0.061 ± 0.064 χ^2/NDF : 18.4/18

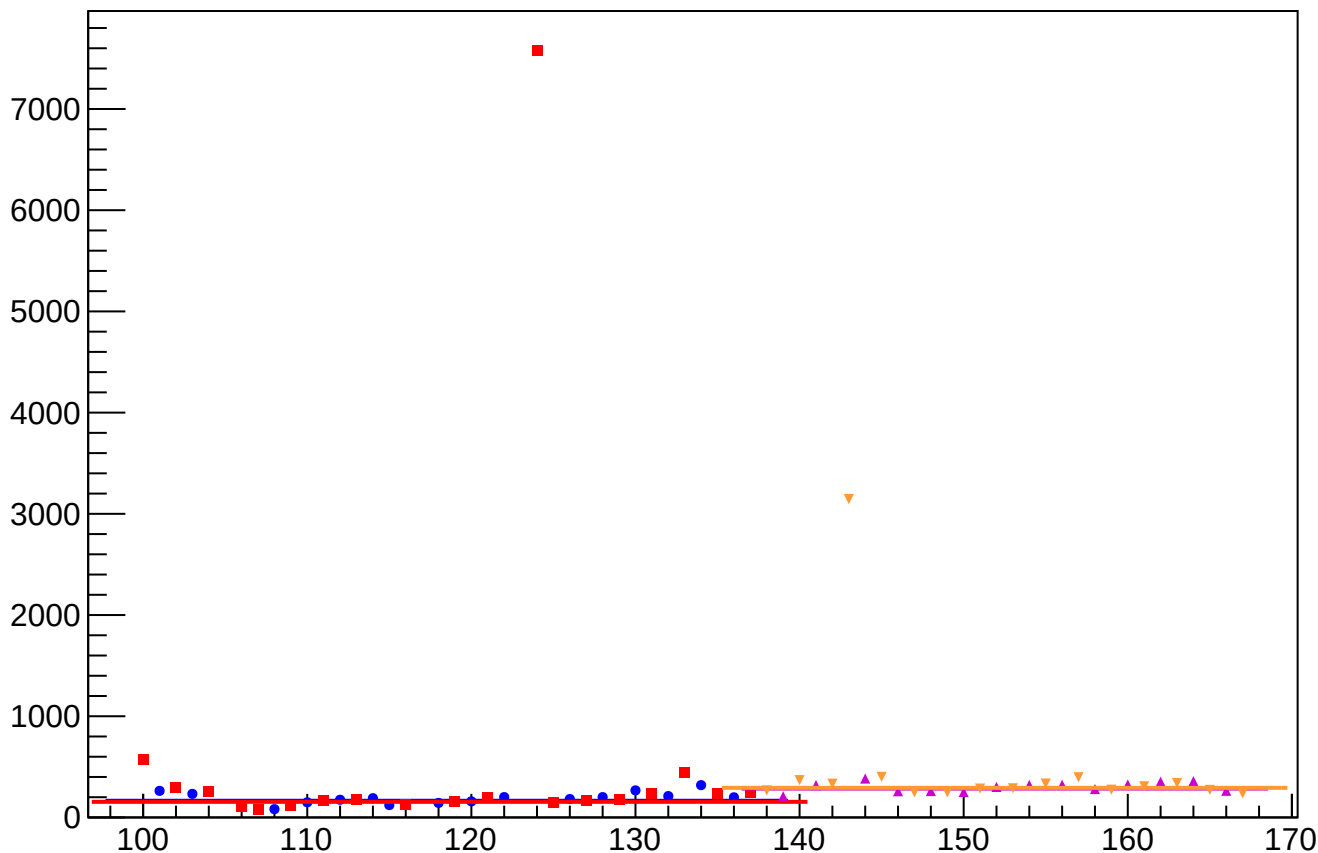
Left In: -0.020 ± 0.086 χ^2/NDF : 20.4/13

+ sign 0.018 ± 0.053 χ^2/NDF : 27.4/31

All: 0.025 ± 0.037 χ^2/NDF : 66.7/64

- sign 0.032 ± 0.052 χ^2/NDF : 39.3/32

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: 292.612 $\pm$ 0.061 χ^2 /NDF:1939395.4/15

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

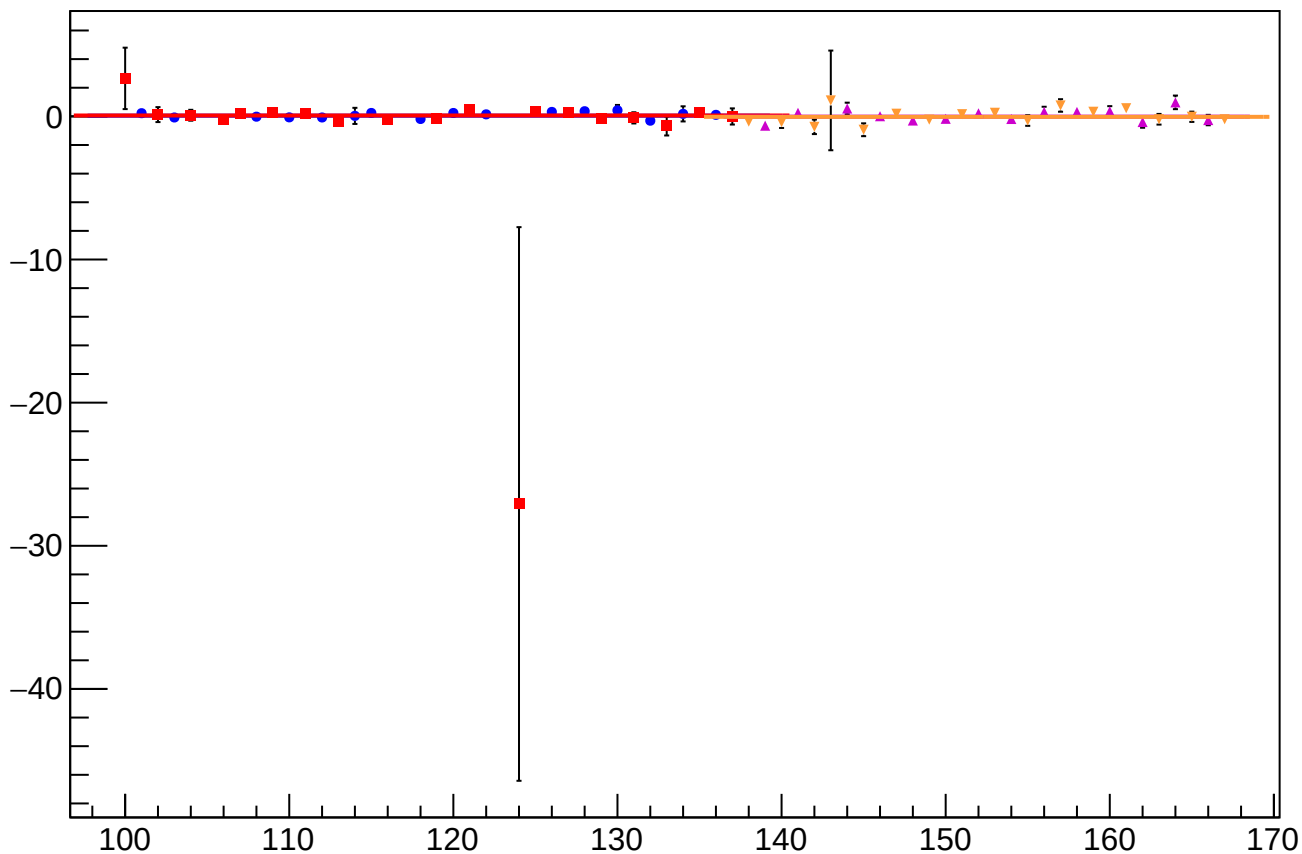
Left In: 285.525 $\pm$ 0.061 χ^2 /NDF:593690.9/13

+ sign 212.207 $\pm$ 0.037 χ^2 /NDF: 6157223.0/31

All: 206.654 $\pm$ 0.026 χ^2 /NDF: 11683794.2/64

- sign 201.325 $\pm$ 0.036 χ^2 /NDF: 5483027.5/32

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 ± 0.066 χ^2/NDF : 7.6/15

Left Out: -0.033 ± 0.087 χ^2/NDF : 19.2/15

Right Out: 0.061 ± 0.064 χ^2/NDF : 18.4/18

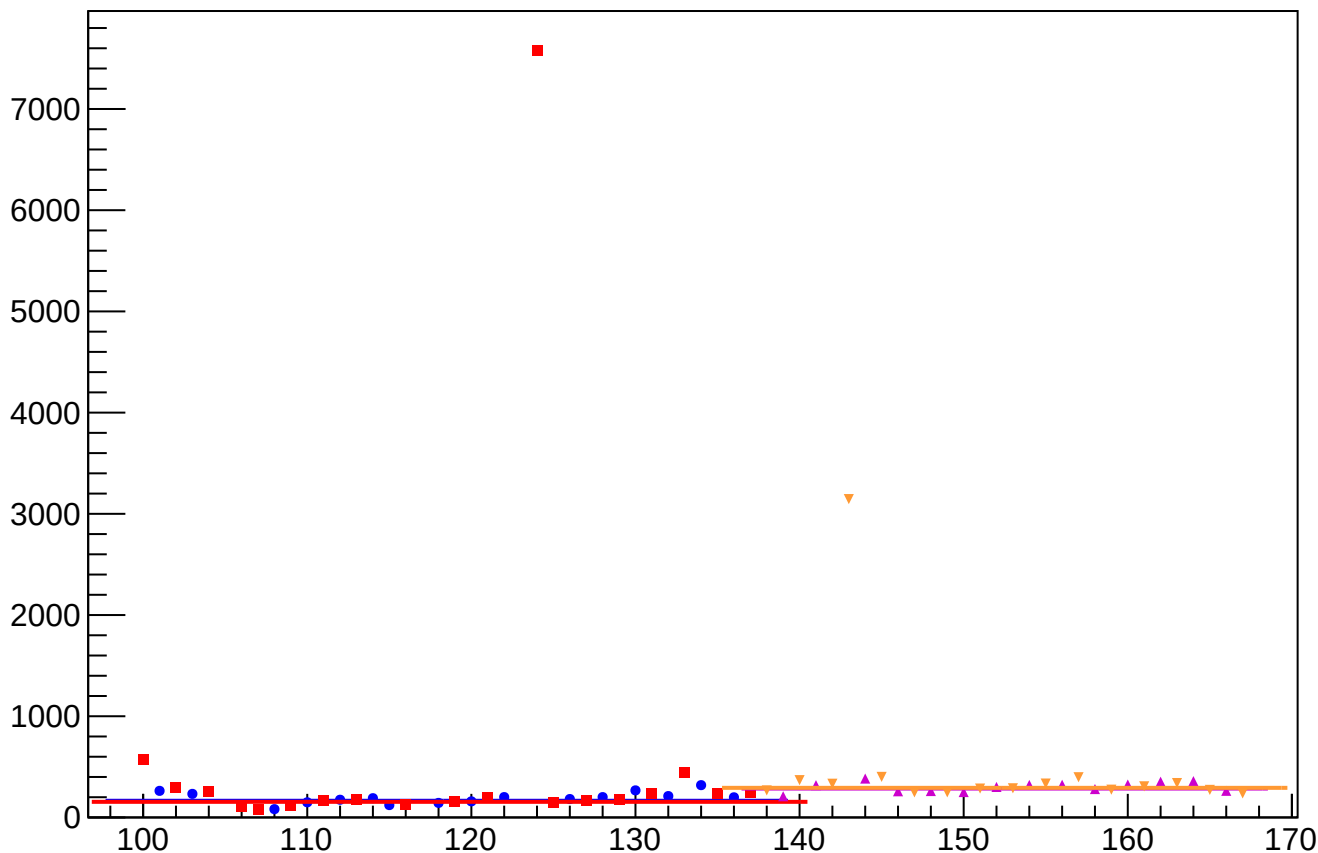
Left In: -0.020 ± 0.086 χ^2/NDF : 20.4/13

+ sign 0.018 ± 0.053 χ^2/NDF : 27.4/31

All: 0.025 ± 0.037 χ^2/NDF : 66.7/64

- sign 0.032 ± 0.052 χ^2/NDF : 39.3/32

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: 292.612 $\pm$ 0.061 χ^2 /NDF:1939395.4/15

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

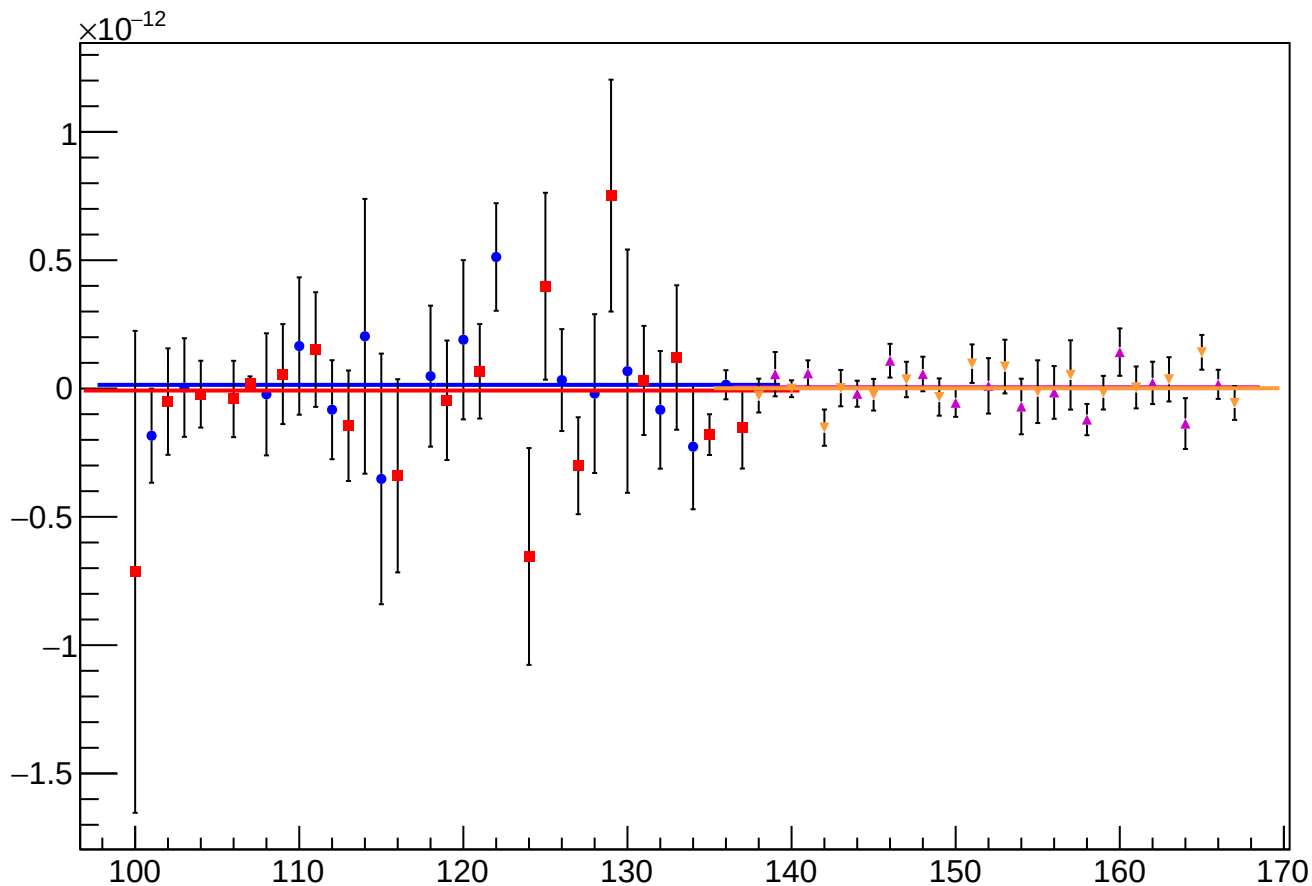
Left In: 285.525 $\pm$ 0.061 χ^2 /NDF:593690.9/13

+ sign 212.207 $\pm$ 0.037 χ^2 /NDF: 6157223.0/31

All: 206.654 $\pm$ 0.026 χ^2 /NDF: 11683794.2/64

- sign 201.325 $\pm$ 0.036 χ^2 /NDF: 5483027.5/32

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:13.3/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

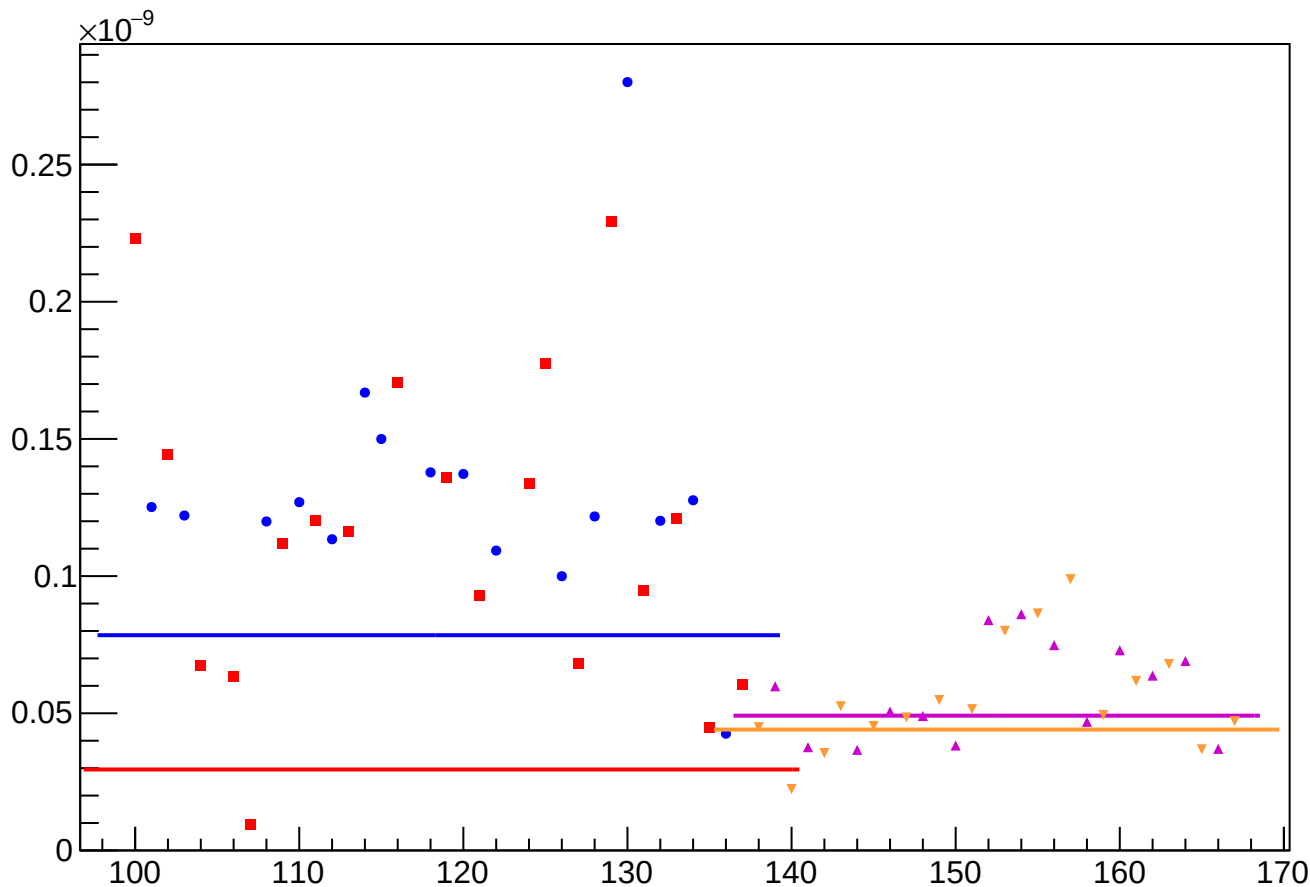
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.7/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.7/32

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 : 2099011.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 5487361.4/18

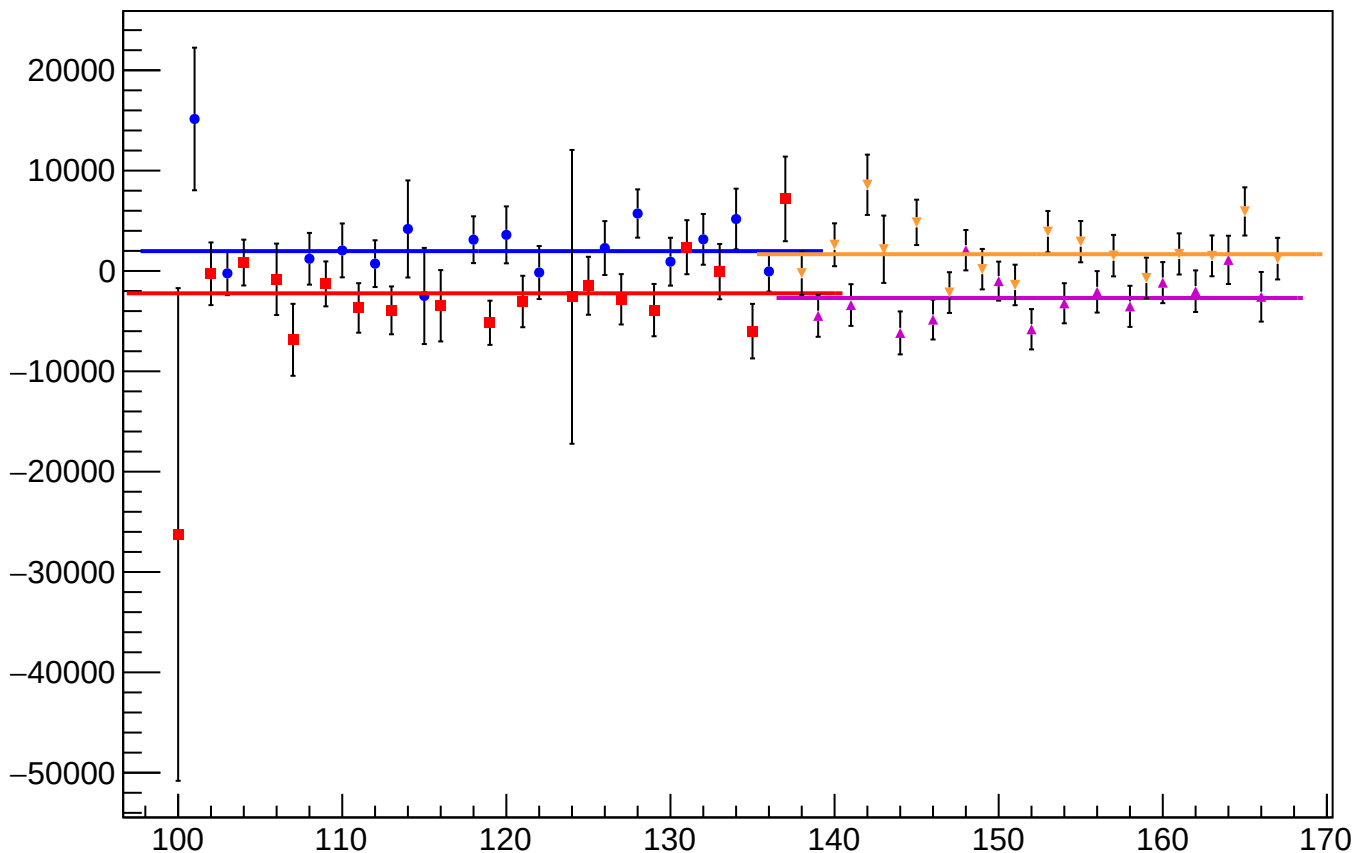
Left In: 0.000+/-0.000 χ^2/NDF : 1271765.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 5340667.1/31

All: 0.000+/-0.000 χ^2/NDF : 13222034.7/64

- sign 0.000+/-0.000 χ^2/NDF : 7643775.1/32

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF : 12.1/15

Left Out: 1670.957+/-542.544 χ^2/NDF : 20.8/15

Right Out: -2226.171+/-656.286 χ^2/NDF : 19.0/18

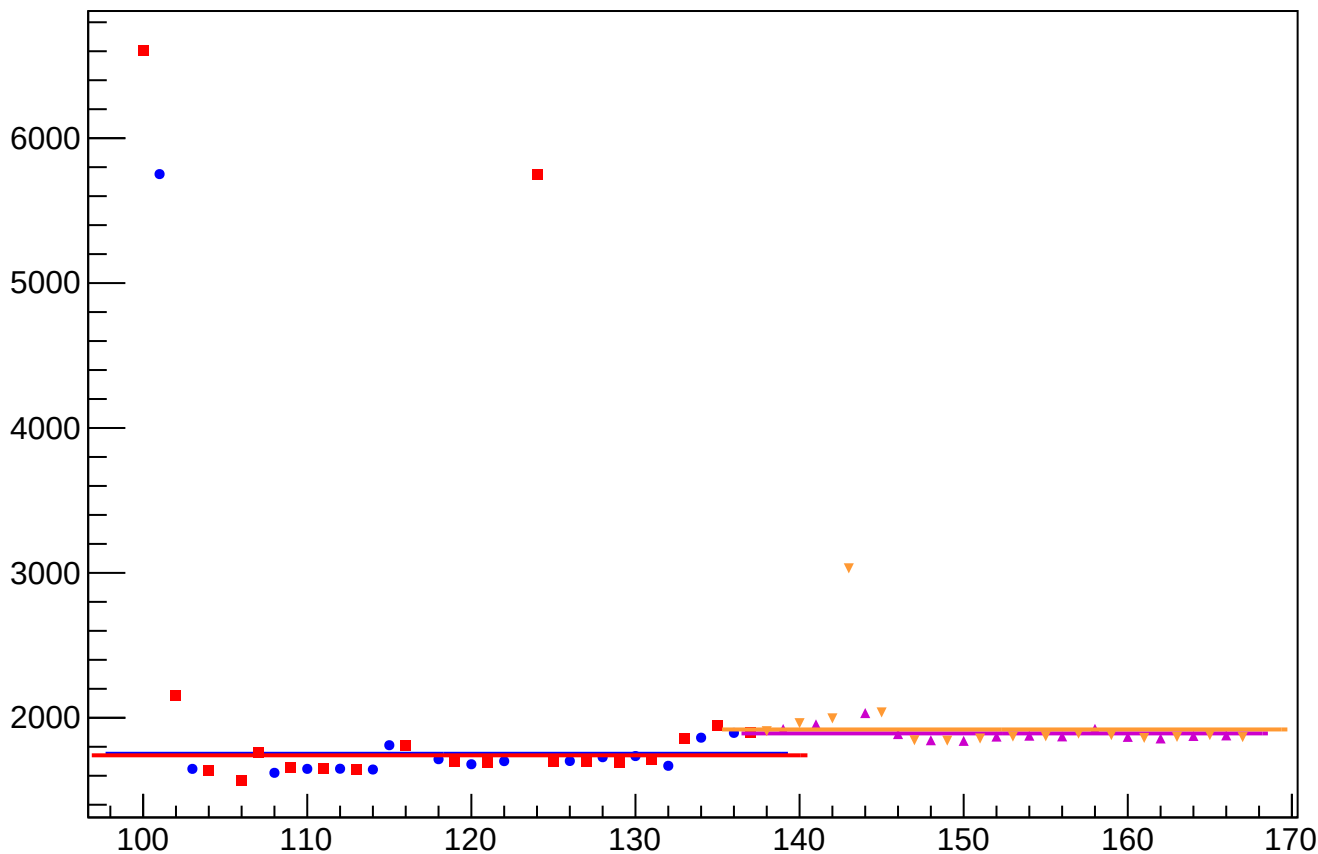
Left In: -2695.045+/-557.076 χ^2/NDF : 16.9/13

+ sign 1792.383+/-421.067 χ^2/NDF : 33.0/31

All: -334.705+/-299.016 χ^2/NDF : 120.7/64

- sign -2498.691+/-424.703 χ^2/NDF : 36.2/32

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF : 670651.4/15

Left Out: 1919.495+/-0.384 χ^2/NDF : 242836.2/15

Right Out: 1741.052+/-0.461 χ^2/NDF : 304655.0/18

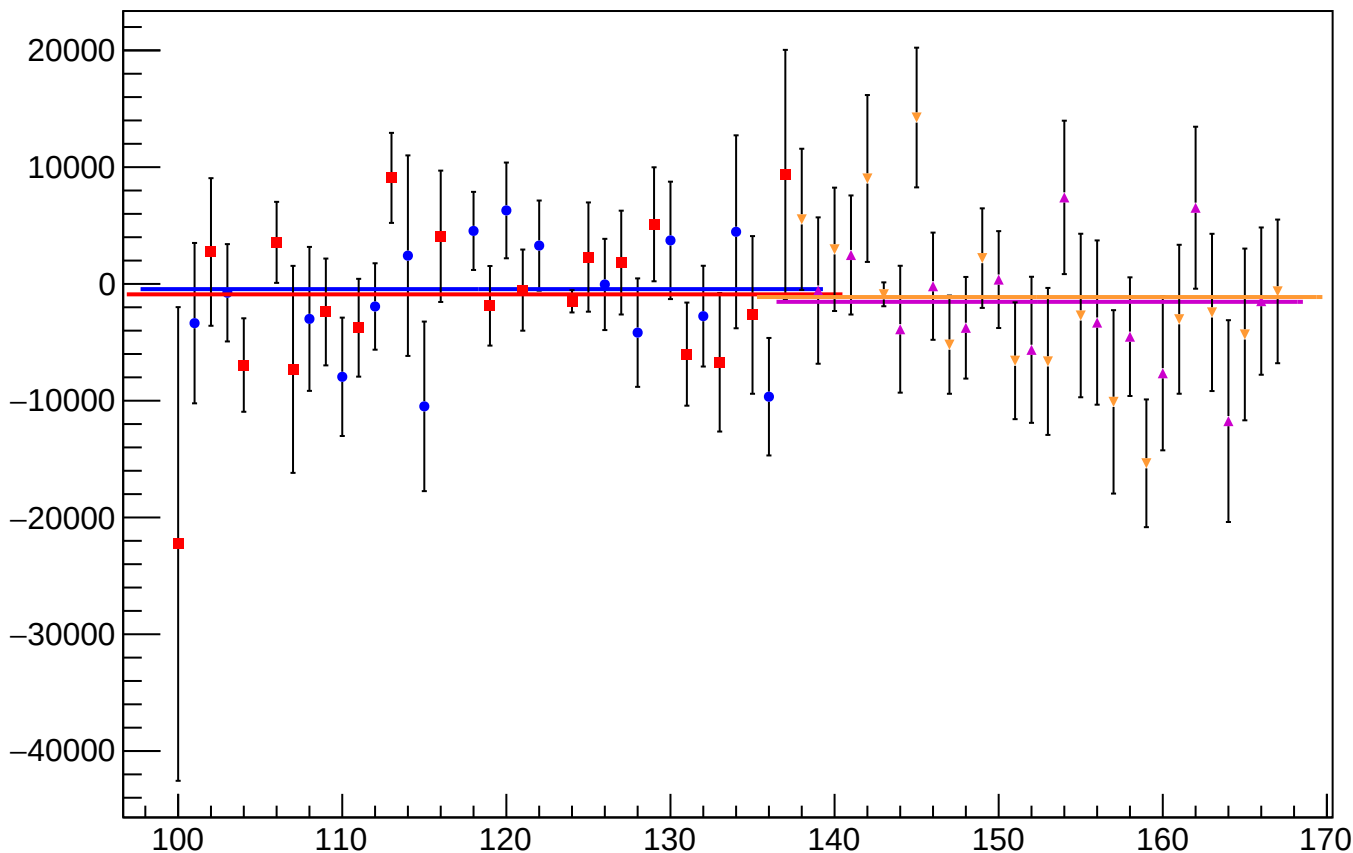
Left In: 1892.326+/-0.394 χ^2/NDF : 15343.1/13

+ sign 1852.730+/-0.298 χ^2/NDF : 989647.9/31

All: 1840.648+/-0.211 χ^2/NDF : 1375249.6/64

- sign 1828.432+/-0.299 χ^2/NDF : 382289.8/32

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF : 15.9/15

Left Out: -1122.367+/-843.437 χ^2/NDF : 22.4/15

Right Out: -892.237+/-725.737 χ^2/NDF : 20.1/18

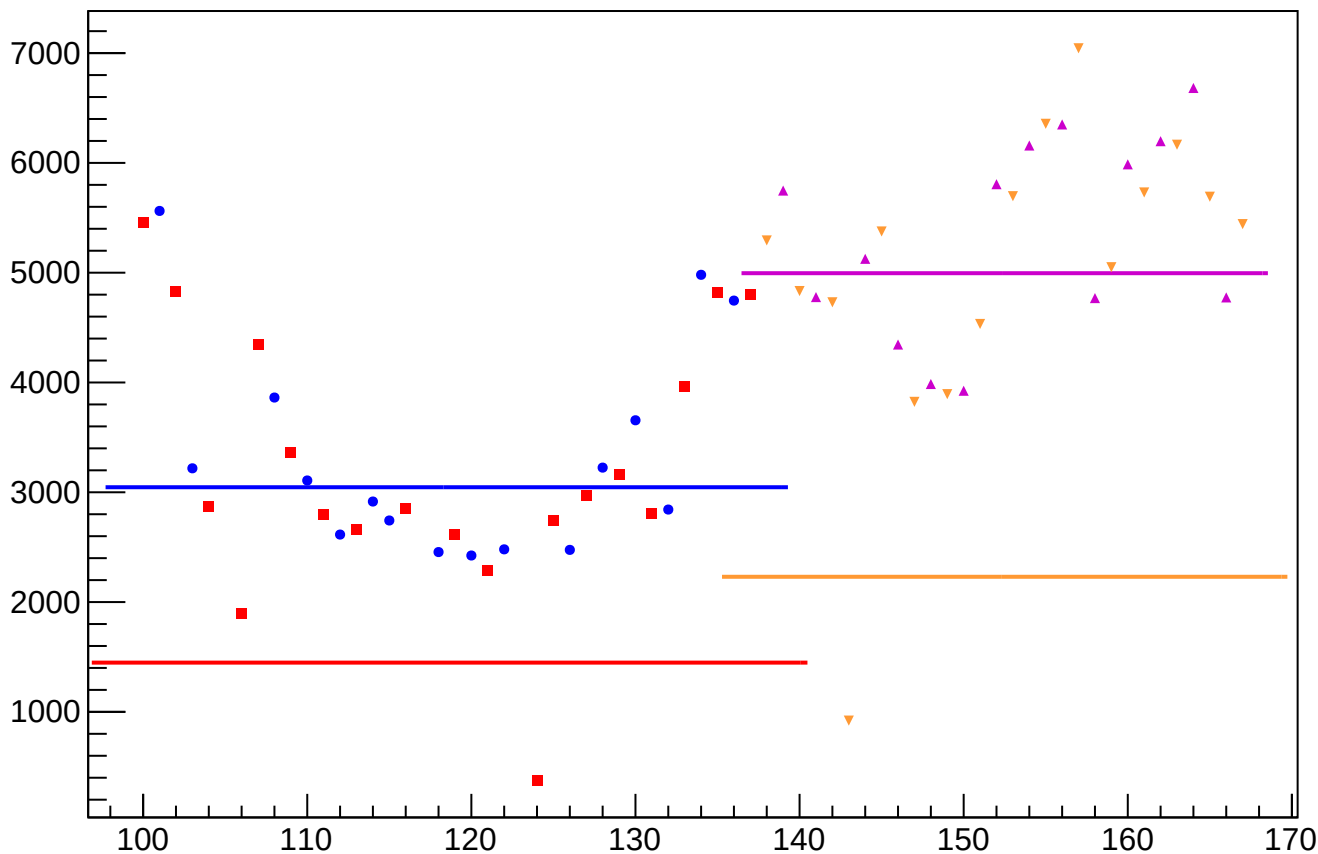
Left In: -1534.502+/-1497.204 χ^2/NDF : 7.7/13

+ sign -891.639+/-685.077 χ^2/NDF : 38.6/31

All: -955.973+/-472.696 χ^2/NDF : 66.5/64

- sign -1014.433+/-653.059 χ^2/NDF : 27.9/32

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917 $\pm$ 0.830 χ^2 /NDF: 907385.5/15

Left Out: 2230.343 $\pm$ 0.596 χ^2 /NDF: 10953391.0/15

Right Out: 1448.519 $\pm$ 0.513 χ^2 /NDF: 6786925.8/18

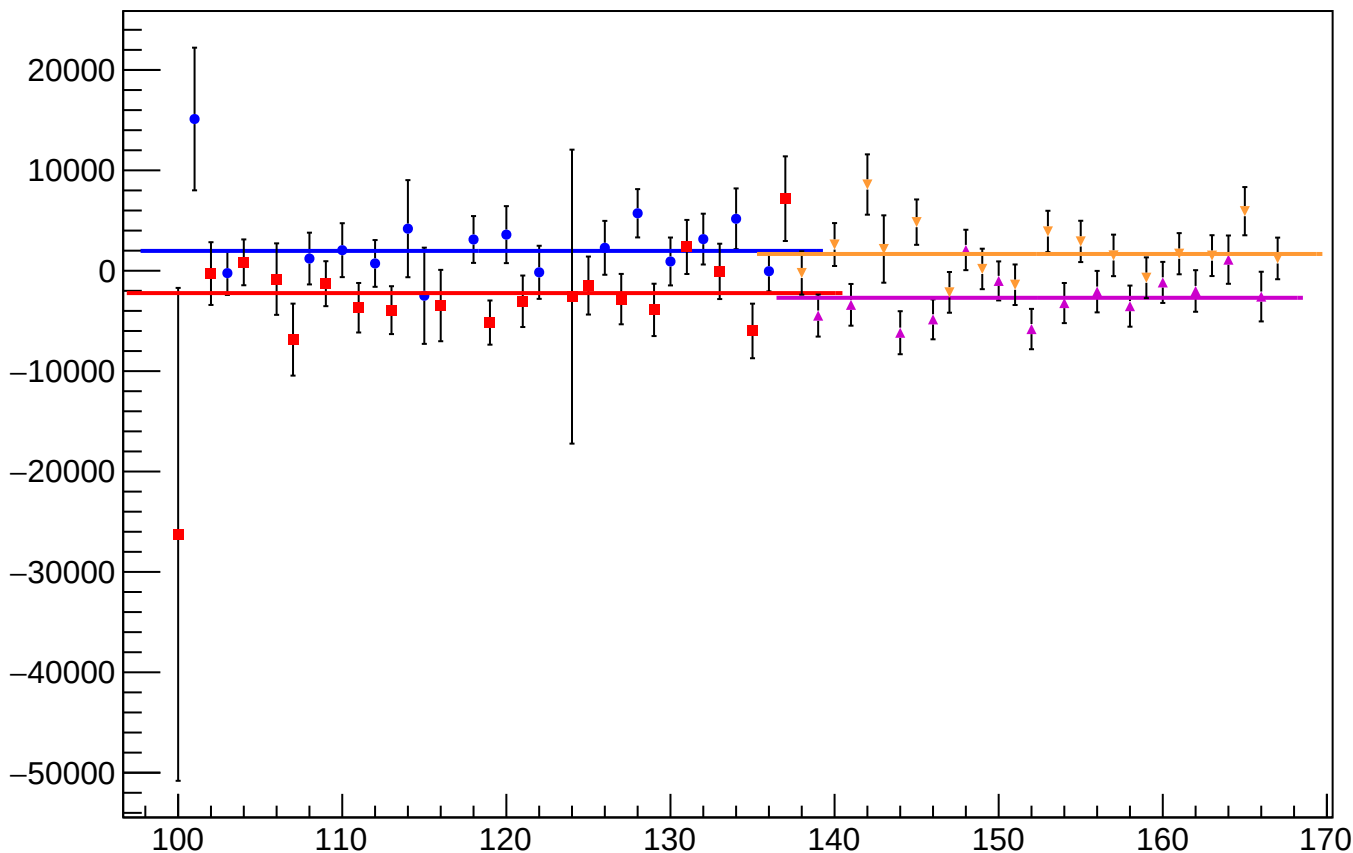
Left In: 4995.431 $\pm$ 1.059 χ^2 /NDF: 672813.6/13

+ sign 2507.850 $\pm$ 0.484 χ^2 /NDF: 12497077.4/31

All: 2306.404 $\pm$ 0.334 χ^2 /NDF: 29375876.8/6

- sign 2123.348 $\pm$ 0.462 χ^2 /NDF: 16548727.9/32

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1670.989 $\pm$ 542.544 χ^2 /NDF:20.8/15

Right Out: -2226.267 $\pm$ 656.286 χ^2 /NDF: 19.0/18

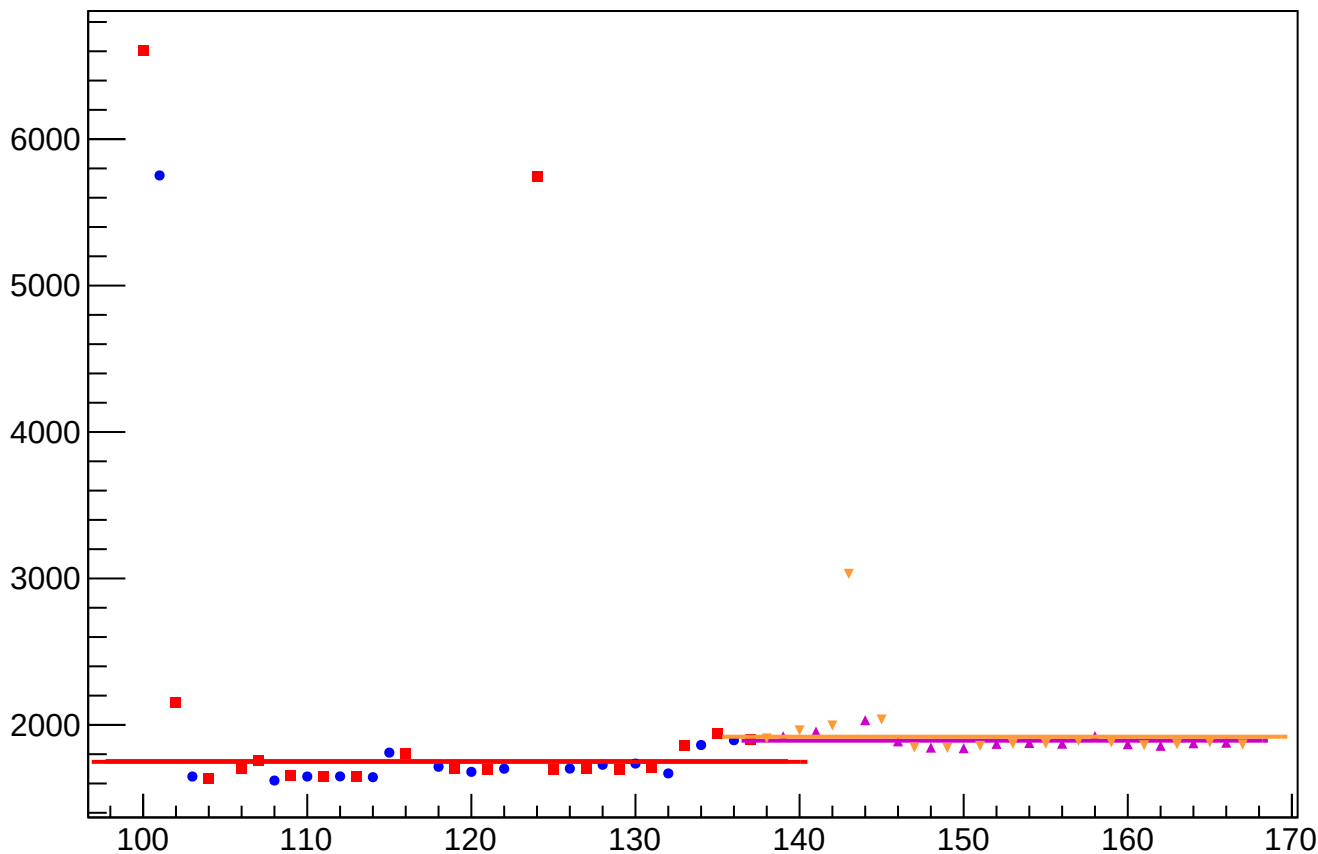
Left In: -2695.149 $\pm$ 557.076 χ^2 /NDF:16.9/13

+ sign 1792.262 $\pm$ 421.067 χ^2 /NDF: 33.0/31

All: -334.816 $\pm$ 299.016 χ^2 /NDF: 120.7/64

- sign -2498.791 $\pm$ 424.703 χ^2 /NDF: 36.2/32

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2 /NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2 /NDF: 242836.2/15

Right Out: 1747.786+/-0.462 χ^2 /NDF: 297917.6/18

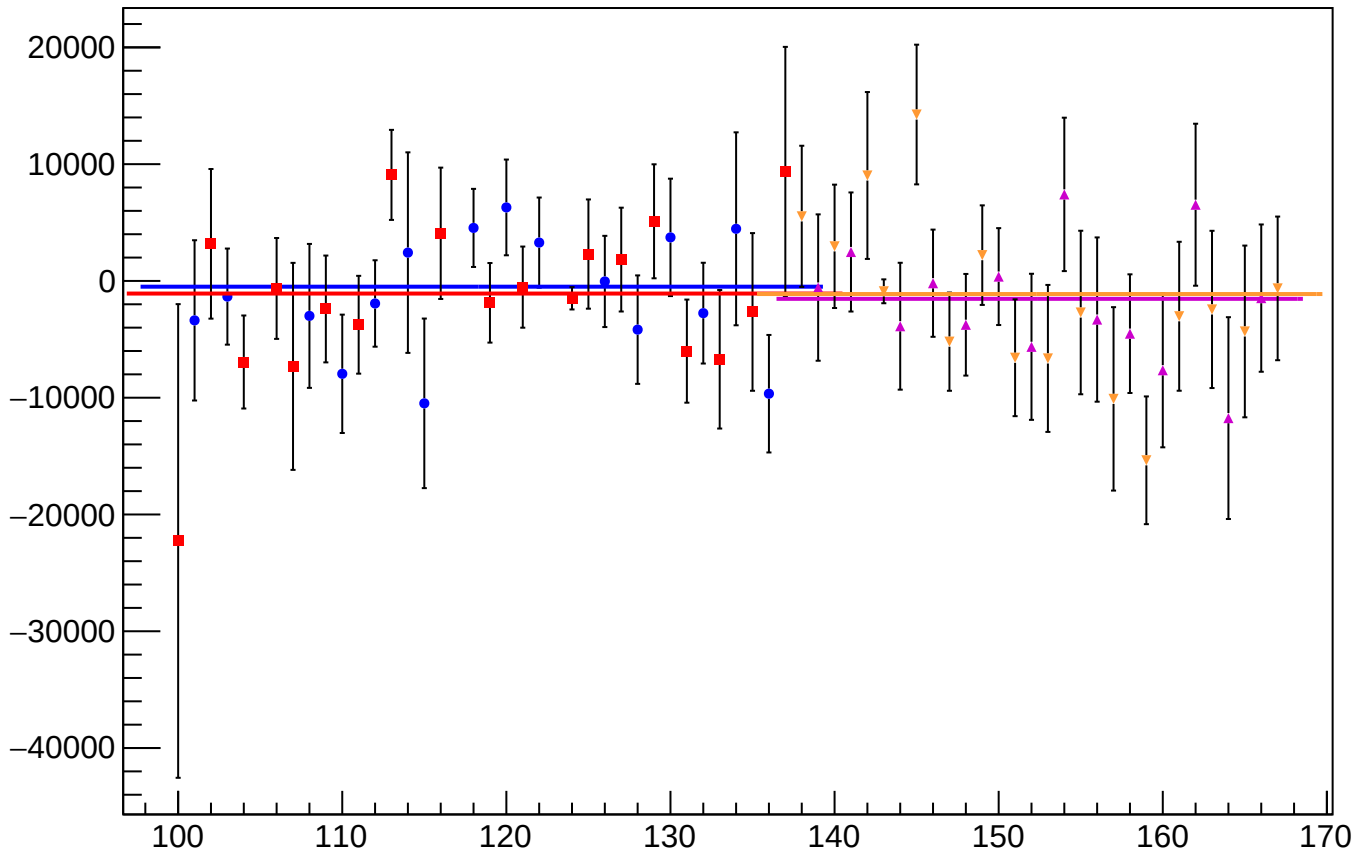
Left In: 1892.326+/-0.394 χ^2 /NDF: 15343.1/13

+ sign 1852.730+/-0.298 χ^2 /NDF: 989648.4/31

All: 1842.206+/-0.211 χ^2 /NDF: 1362056.7/64

- sign 1831.532+/-0.300 χ^2 /NDF: 369891.5/32

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF : 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF : 22.4/15

Right Out: -1080.924+/-731.458 χ^2/NDF : 18.5/18

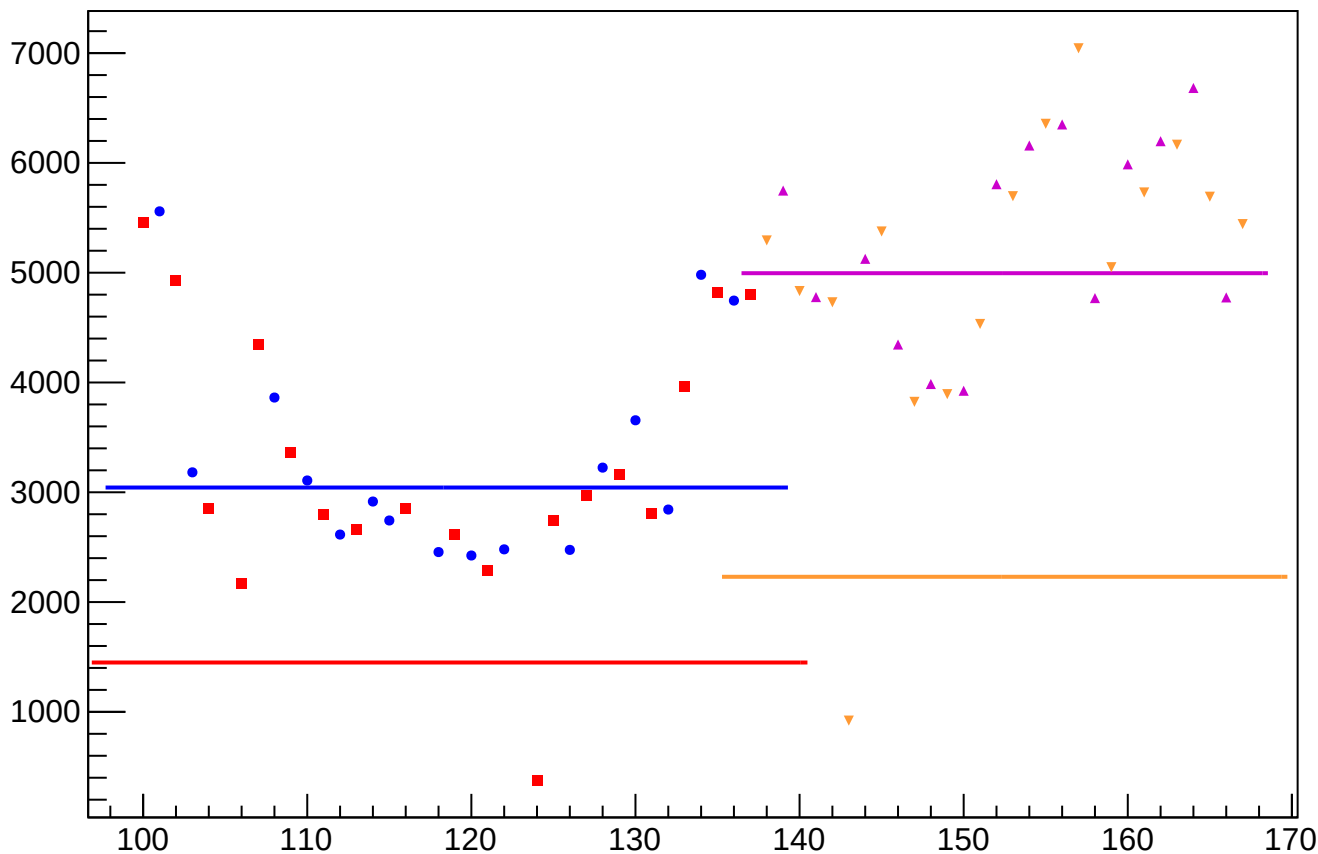
Left In: -1534.579+/-1497.203 χ^2/NDF : 7.7/13

+ sign -907.777+/-684.824 χ^2/NDF : 38.6/31

All: -1043.415+/-474.182 χ^2/NDF : 64.9/64

- sign -1168.339+/-657.218 χ^2/NDF : 26.2/32

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF : 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF : 10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF : 6825716.5/18

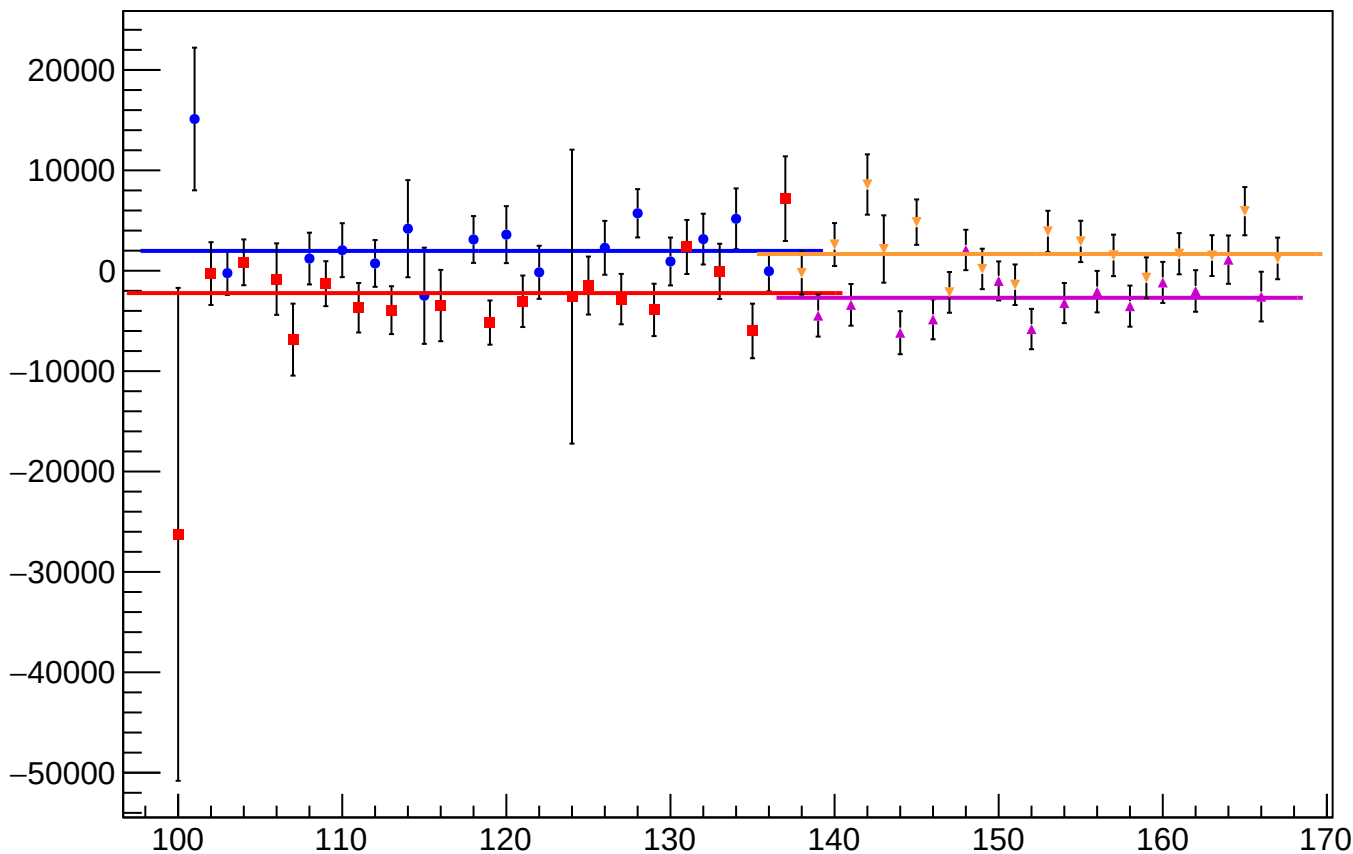
Left In: 4995.428+/-1.059 χ^2/NDF : 672813.3/13

+ sign 2507.250+/-0.484 χ^2/NDF : 12492706.6/31

All: 2312.314+/-0.335 χ^2/NDF : 29359145.6/6

- sign 2132.776+/-0.465 χ^2/NDF : 16555133.5/32

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1670.989 $\pm$ 542.544 χ^2 /NDF:20.8/15

Right Out: -2226.267 $\pm$ 656.286 χ^2 /NDF: 19.0/18

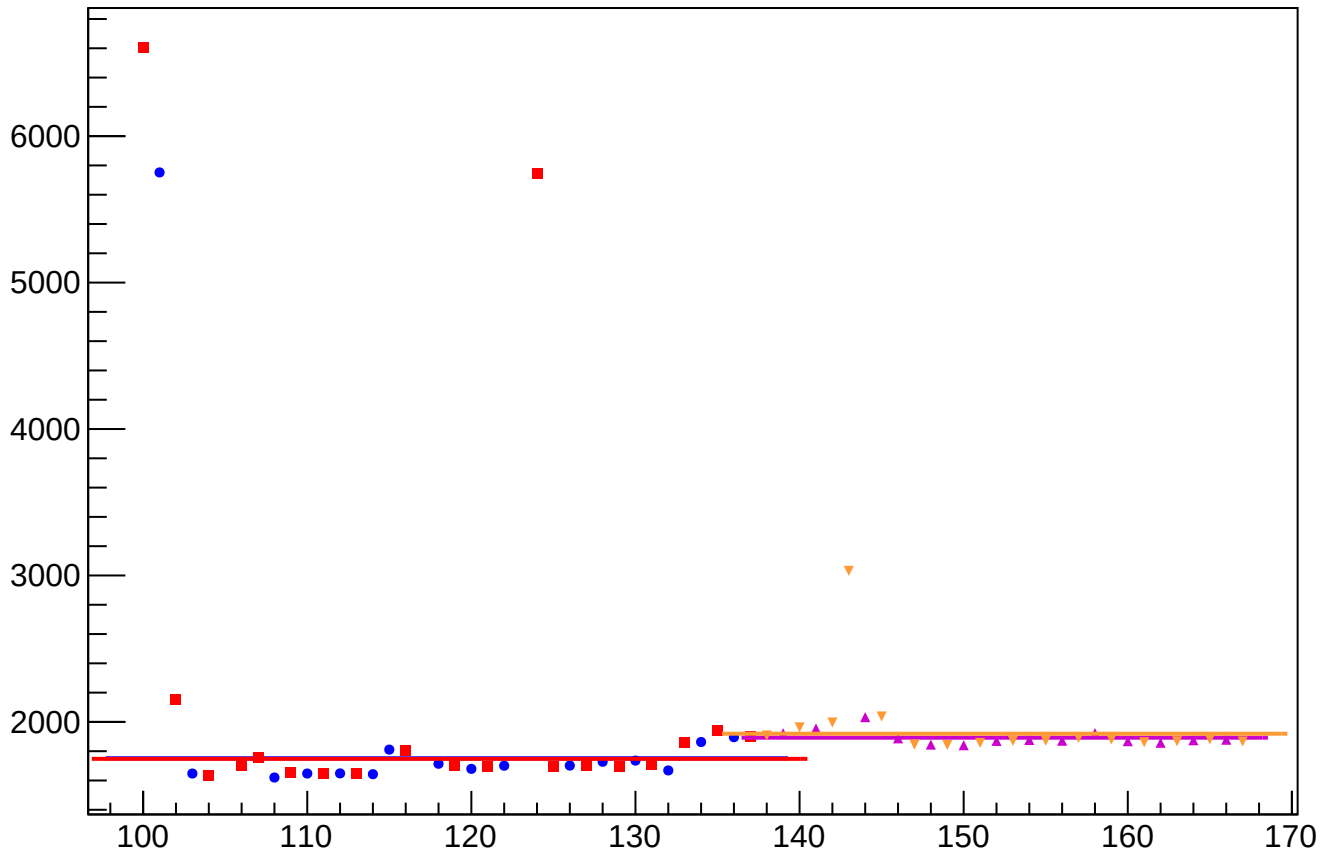
Left In: -2695.149 $\pm$ 557.076 χ^2 /NDF:16.9/13

+ sign 1792.262 $\pm$ 421.067 χ^2 /NDF: 33.0/31

All: -334.816 $\pm$ 299.016 χ^2 /NDF: 120.7/64

- sign -2498.791 $\pm$ 424.703 χ^2 /NDF: 36.2/32

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1919.495 $\pm$ 0.384 χ^2 /NDF: 242836.2/15

Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

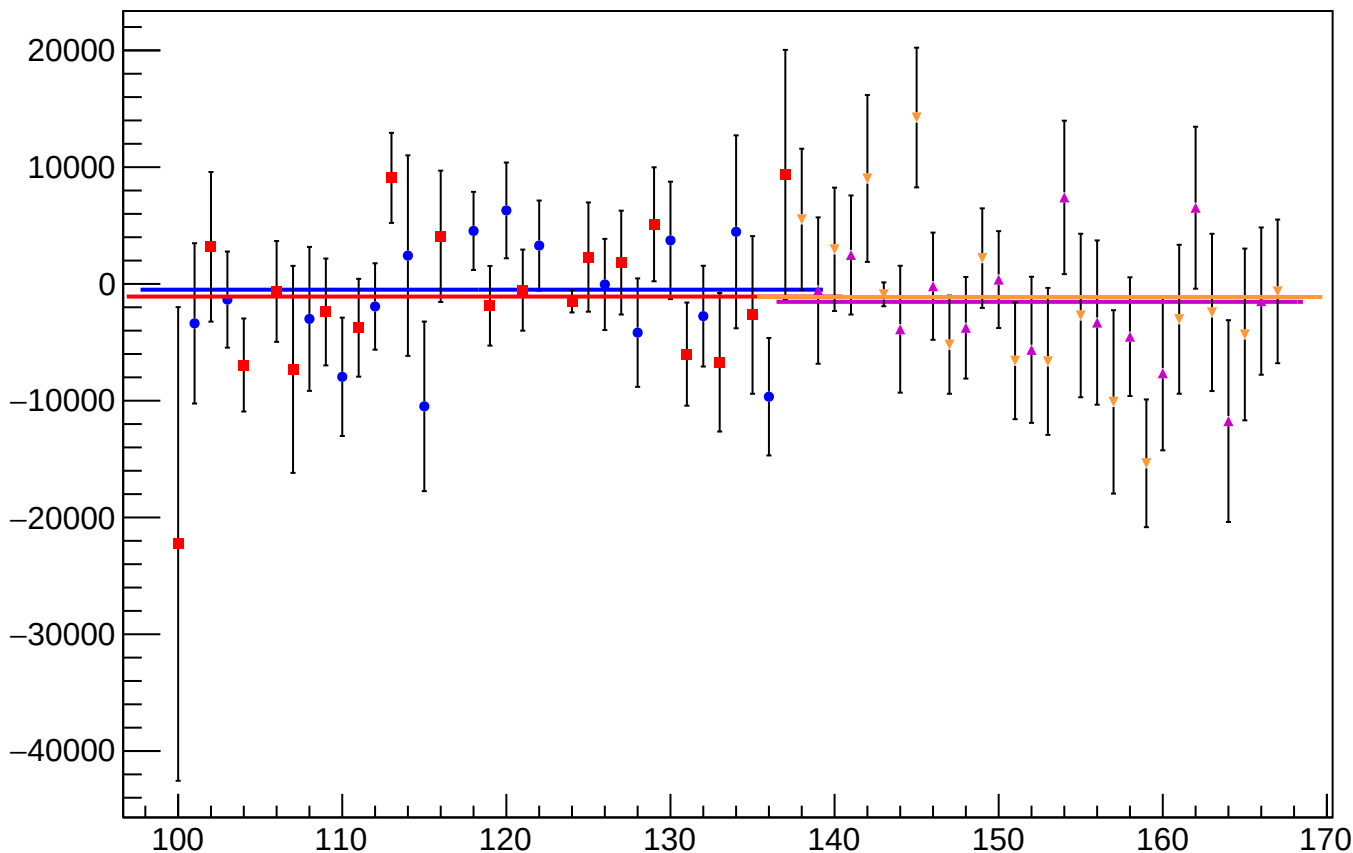
Left In: 1892.326 $\pm$ 0.394 χ^2 /NDF: 15343.1/13

+ sign 1852.730 $\pm$ 0.298 χ^2 /NDF: 989648.4/31

All: 1842.206 $\pm$ 0.211 χ^2 /NDF: 1362056.7/64

- sign 1831.532 $\pm$ 0.300 χ^2 /NDF: 369891.5/32

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF : 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF : 22.4/15

Right Out: -1080.924+/-731.458 χ^2/NDF : 18.5/18

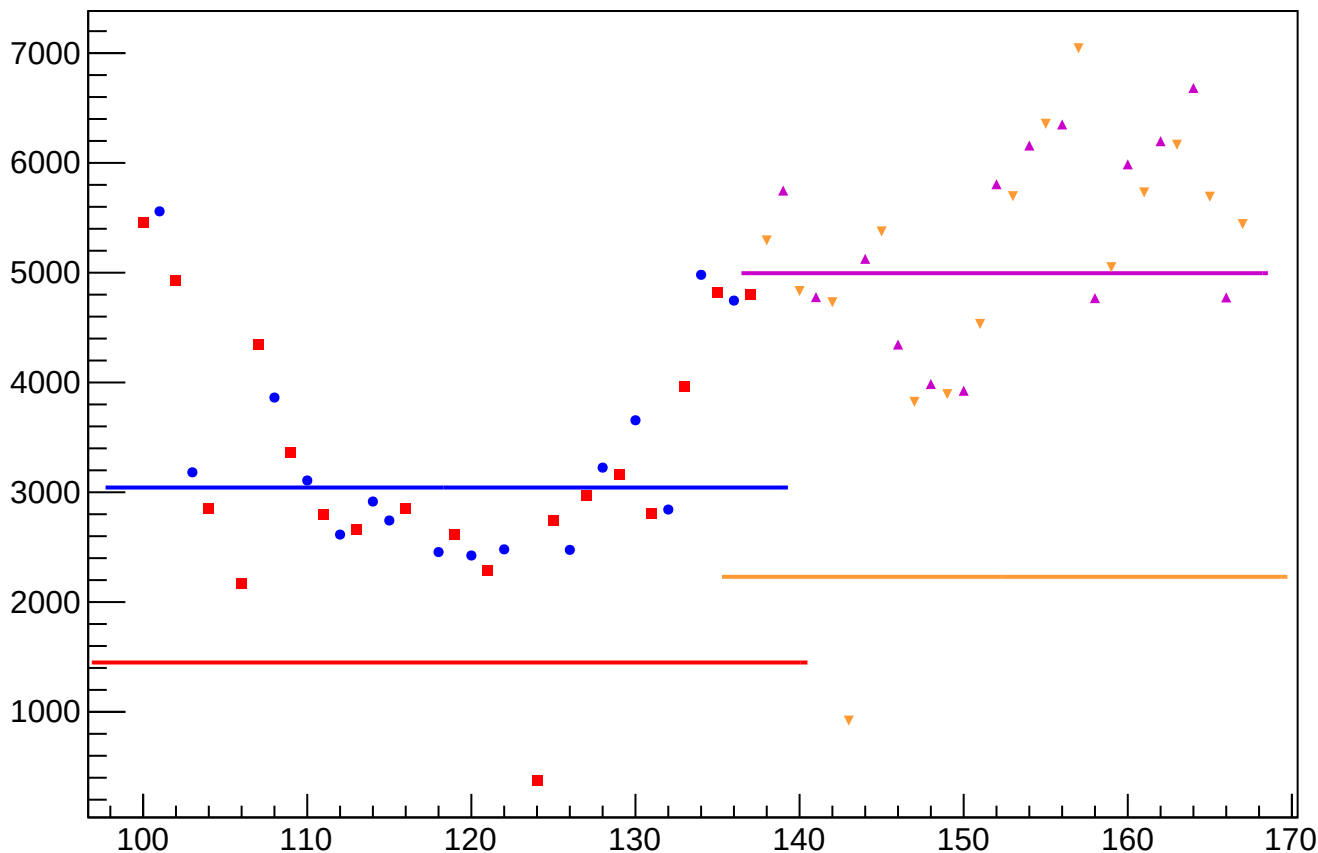
Left In: -1534.579+/-1497.203 χ^2/NDF : 7.7/13

+ sign -907.777+/-684.824 χ^2/NDF : 38.6/31

All: -1043.415+/-474.182 χ^2/NDF : 64.9/64

- sign -1168.339+/-657.218 χ^2/NDF : 26.2/32

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270 $\pm$ 0.830 χ^2 /NDF: 905659.7/15

Left Out: 2230.244 $\pm$ 0.596 χ^2 /NDF: 10953844.5/15

Right Out: 1449.516 $\pm$ 0.517 χ^2 /NDF: 6825716.5/18

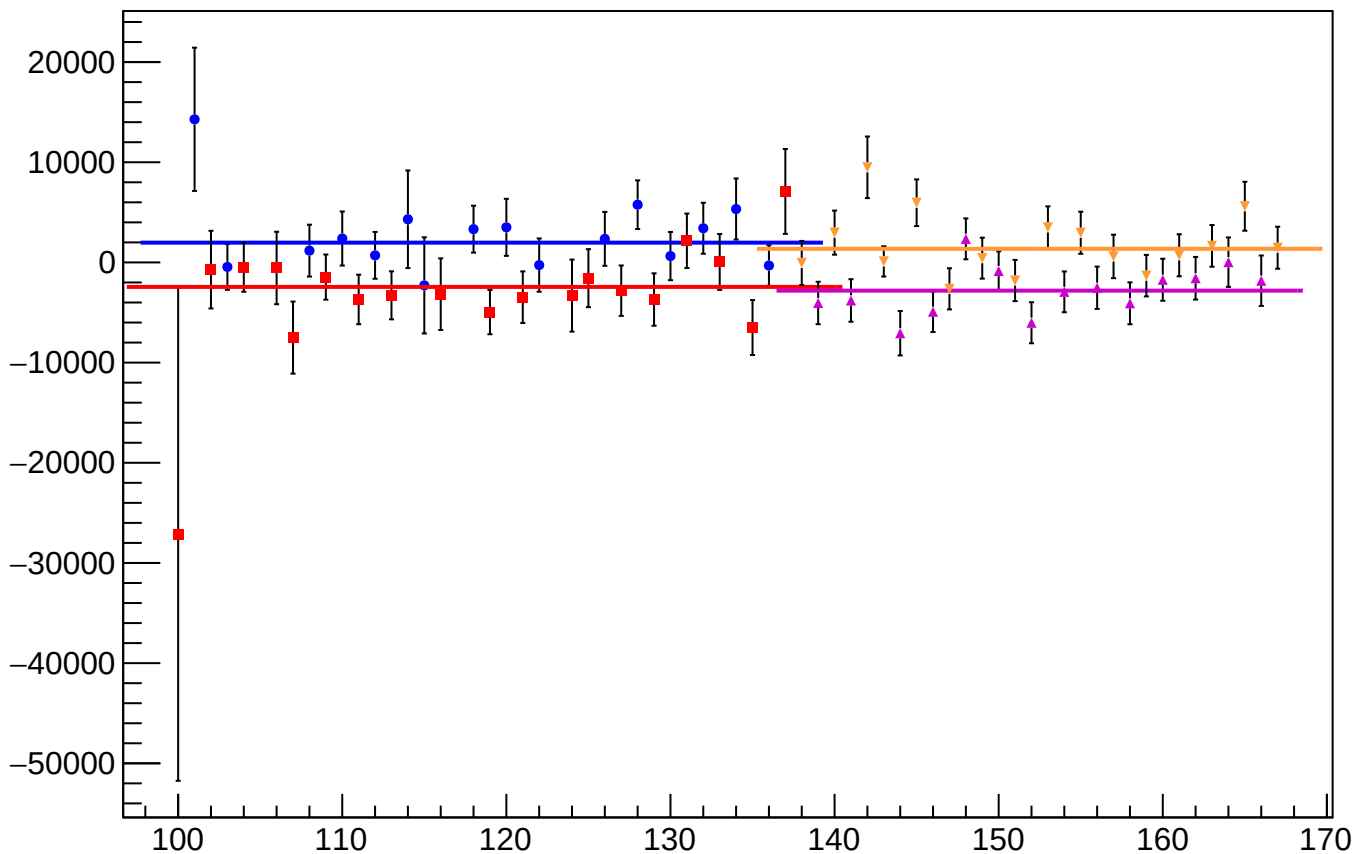
Left In: 4995.428 $\pm$ 1.059 χ^2 /NDF: 672813.3/13

+ sign 2507.250 $\pm$ 0.484 χ^2 /NDF: 12492706.6/31

All: 2312.314 $\pm$ 0.335 χ^2 /NDF: 29359145.6/6

- sign 2132.776 $\pm$ 0.465 χ^2 /NDF: 16555133.5/32

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804 $\pm$ 674.086 χ^2/NDF : 12.4/15

Left Out: 1359.854 $\pm$ 526.462 χ^2/NDF : 25.5/15

Right Out: -2444.199 $\pm$ 657.682 χ^2/NDF : 17.5/18

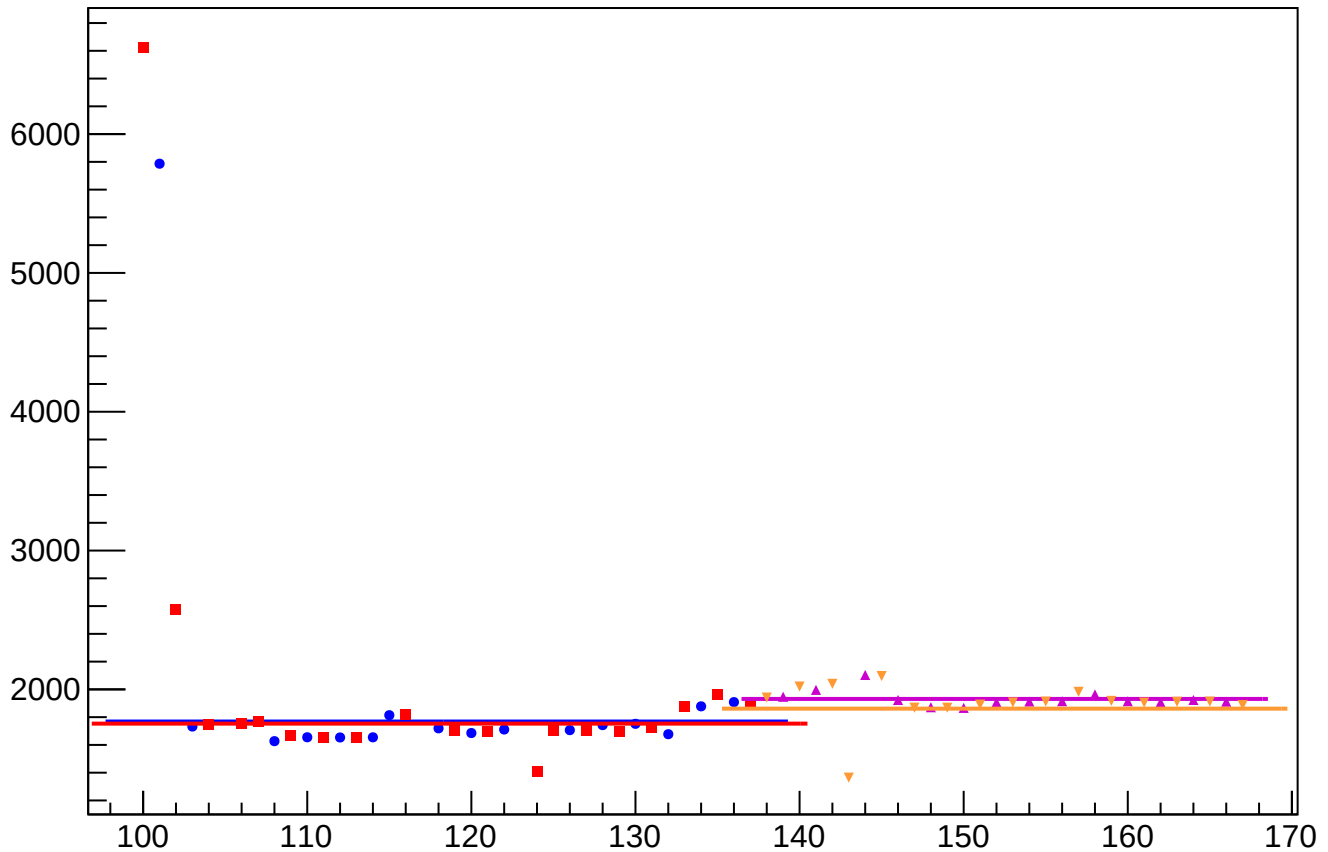
Left In: -2814.974 $\pm$ 568.632 χ^2/NDF : 17.6/13

+ sign 1593.217 $\pm$ 414.915 χ^2/NDF : 38.4/31

All: -454.994 $\pm$ 298.630 χ^2/NDF : 124.3/64

- sign -2656.369 $\pm$ 430.149 χ^2/NDF : 35.3/32

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF : 667367.4/15

Left Out: 1861.351+/-0.372 χ^2/NDF : 270381.2/15

Right Out: 1753.383+/-0.464 χ^2/NDF : 218864.4/18

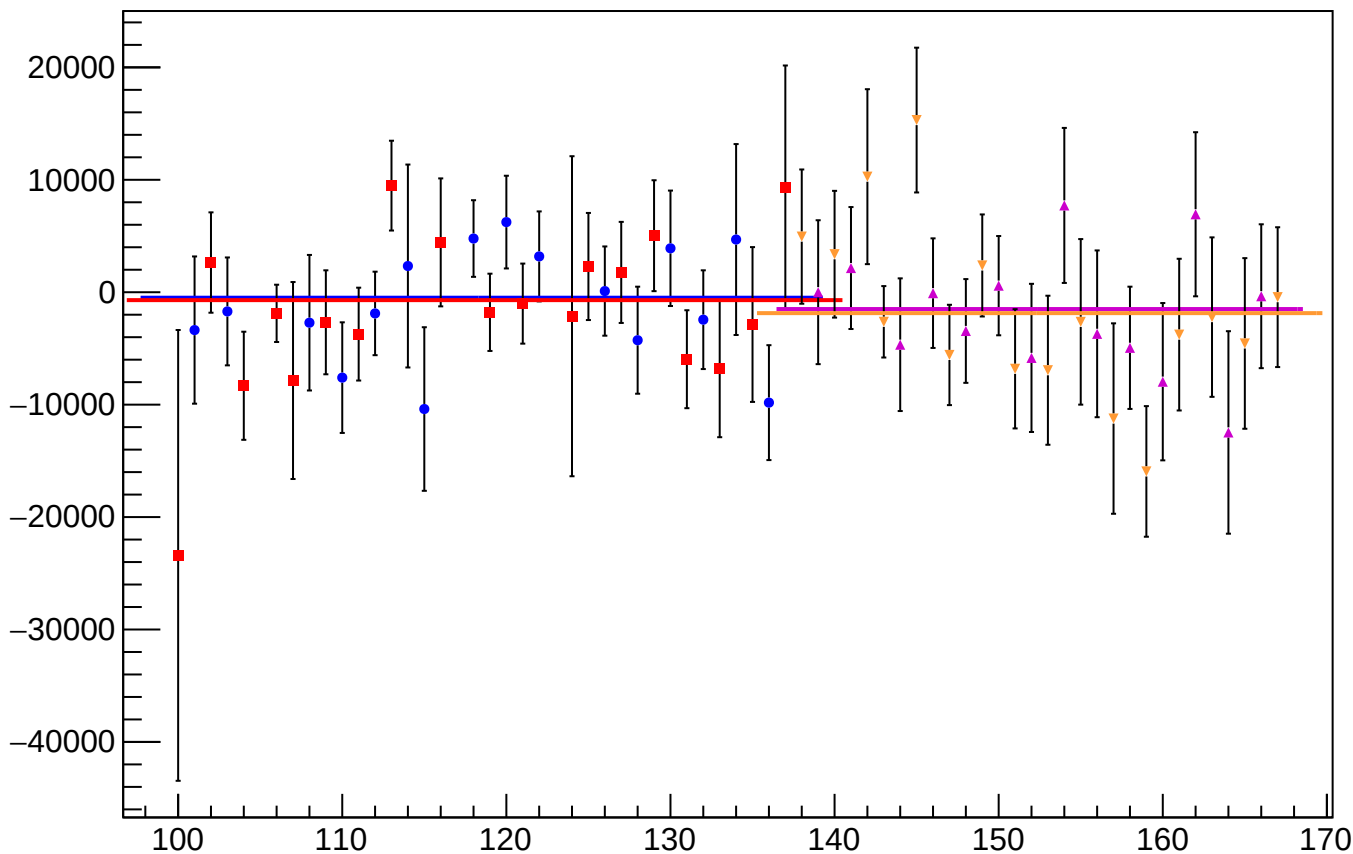
Left In: 1931.324+/-0.402 χ^2/NDF : 19607.6/13

+ sign 1826.165+/-0.293 χ^2/NDF : 961328.7/31

All: 1840.068+/-0.211 χ^2/NDF : 1288486.1/64

- sign 1854.975+/-0.304 χ^2/NDF : 322504.3/32

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104 ± 1198.506 χ^2/NDF : 15.8/15

Left Out: -1859.851 ± 1409.310 χ^2/NDF : 22.2/15

Right Out: -703.324 ± 1069.467 χ^2/NDF : 18.8/18

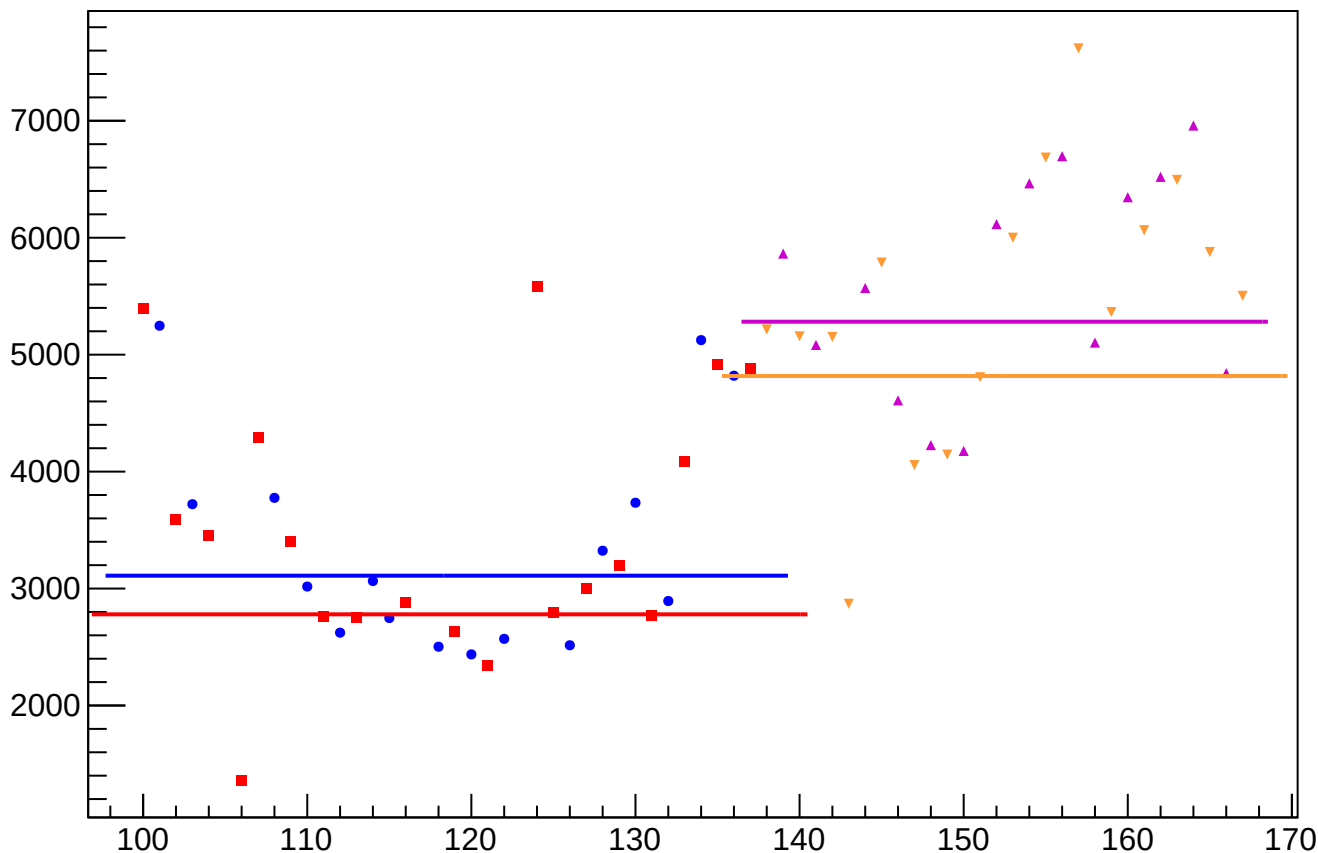
Left In: -1495.902 ± 1582.069 χ^2/NDF : 7.7/13

+ sign -1063.811 ± 912.999 χ^2/NDF : 38.5/31

All: -1006.183 ± 635.834 χ^2/NDF : 65.2/64

- sign -951.910 ± 886.018 χ^2/NDF : 26.7/32

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF : 883262.4/15

Left Out: 4817.373+/-0.997 χ^2/NDF : 1591854.6/15

Right Out: 2779.630+/-0.756 χ^2/NDF : 1348141.7/18

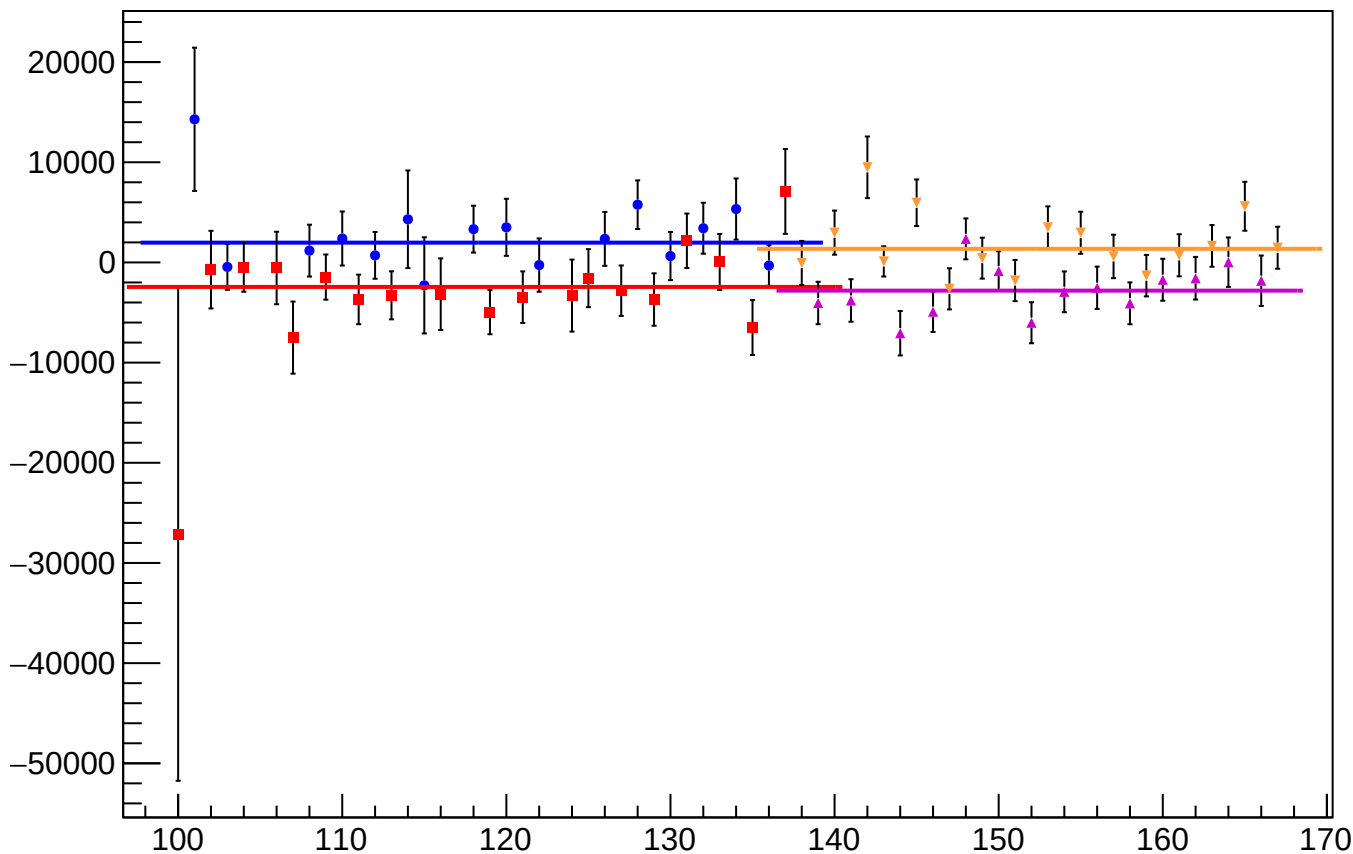
Left In: 5281.803+/-1.119 χ^2/NDF : 640628.8/13

+ sign 3826.643+/-0.646 χ^2/NDF : 4178322.2/31

All: 3691.598+/-0.450 χ^2/NDF : 9685774.3/64

- sign 3564.418+/-0.627 χ^2/NDF : 5422487.0/32

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF : 12.4/15

Left Out: 1359.849+/-526.462 χ^2/NDF : 25.5/15

Right Out: -2444.199+/-657.682 χ^2/NDF : 17.5/18

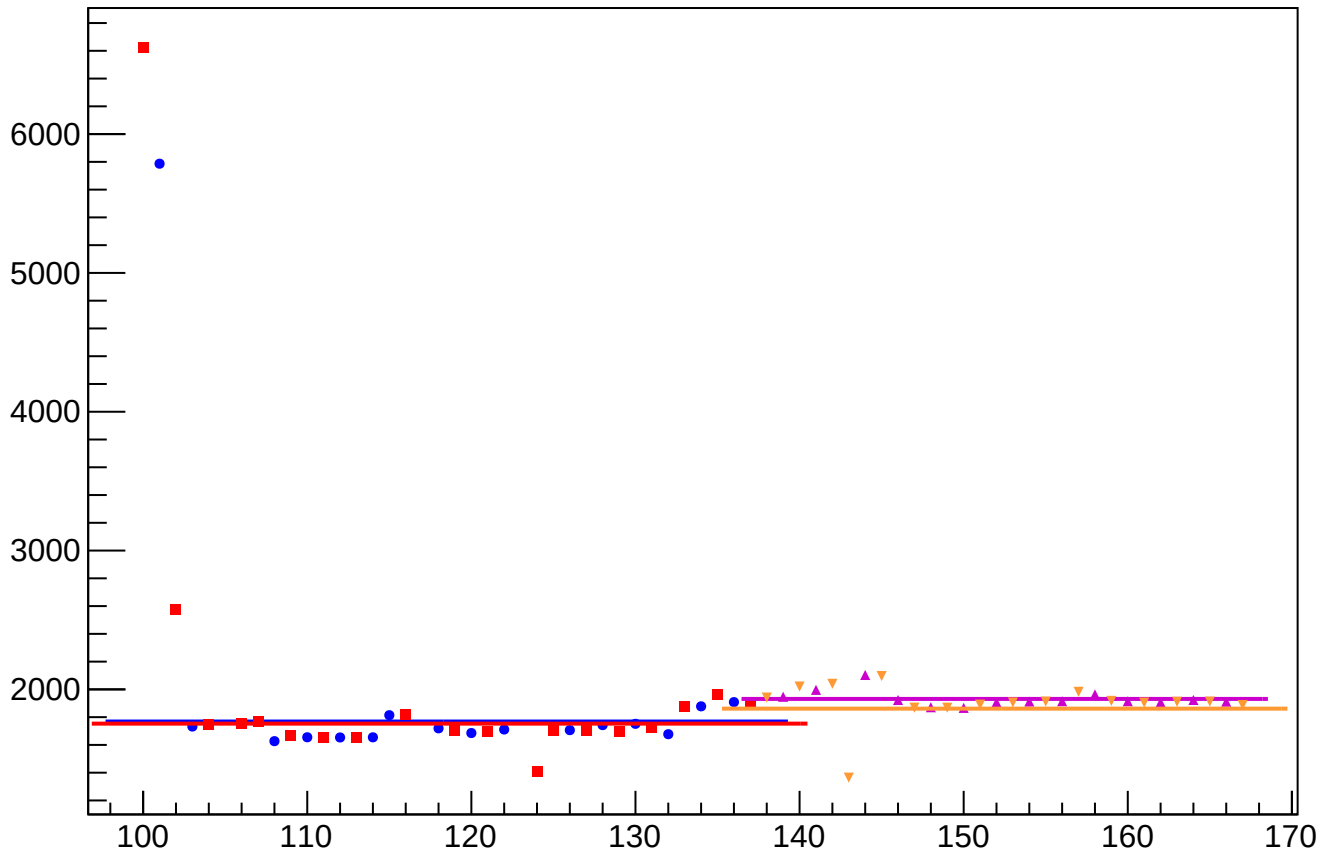
Left In: -2814.974+/-568.633 χ^2/NDF : 17.6/13

+ sign 1593.215+/-414.915 χ^2/NDF : 38.4/31

All: -454.995+/-298.630 χ^2/NDF : 124.3/64

- sign -2656.370+/-430.149 χ^2/NDF : 35.3/32

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480 ± 0.477 χ^2/NDF : 667367.4/15

Left Out: 1861.352 ± 0.372 χ^2/NDF : 270382.6/15

+ sign 1826.166 ± 0.293 χ^2/NDF : 961330.6/31

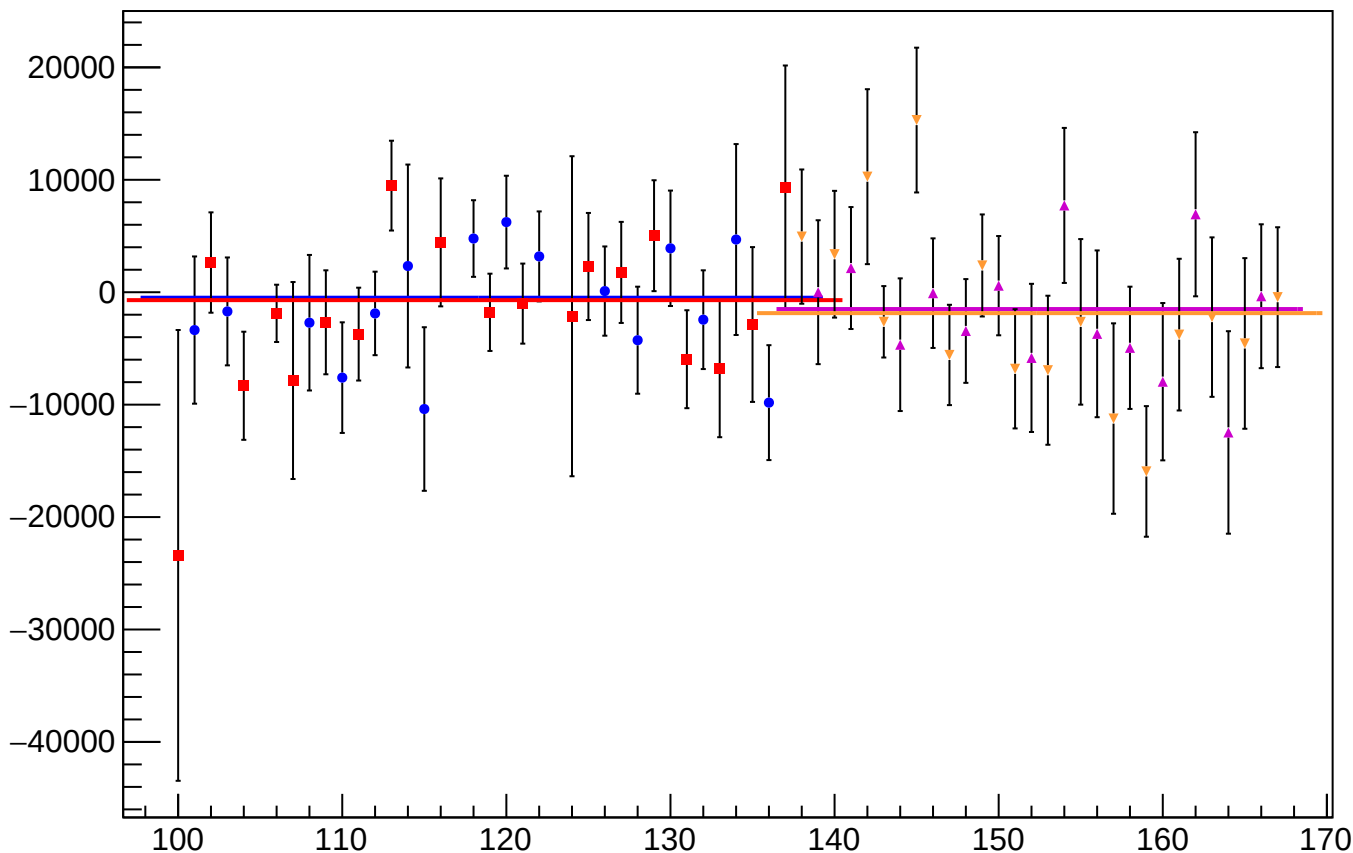
Right Out: 1753.382 ± 0.464 χ^2/NDF : 218864.3/18

All: 1840.068 ± 0.211 χ^2/NDF : 1288489.4/64

- sign 1854.976 ± 0.304 χ^2/NDF : 322505.8/32

Left In: 1931.325 ± 0.402 χ^2/NDF : 19607.8/13

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -488.098+/-1198.502 χ^2/NDF : 15.8/15

Left Out: -1859.857+/-1409.312 χ^2/NDF : 22.2/15

Right Out: -703.325+/-1069.463 χ^2/NDF : 18.8/18

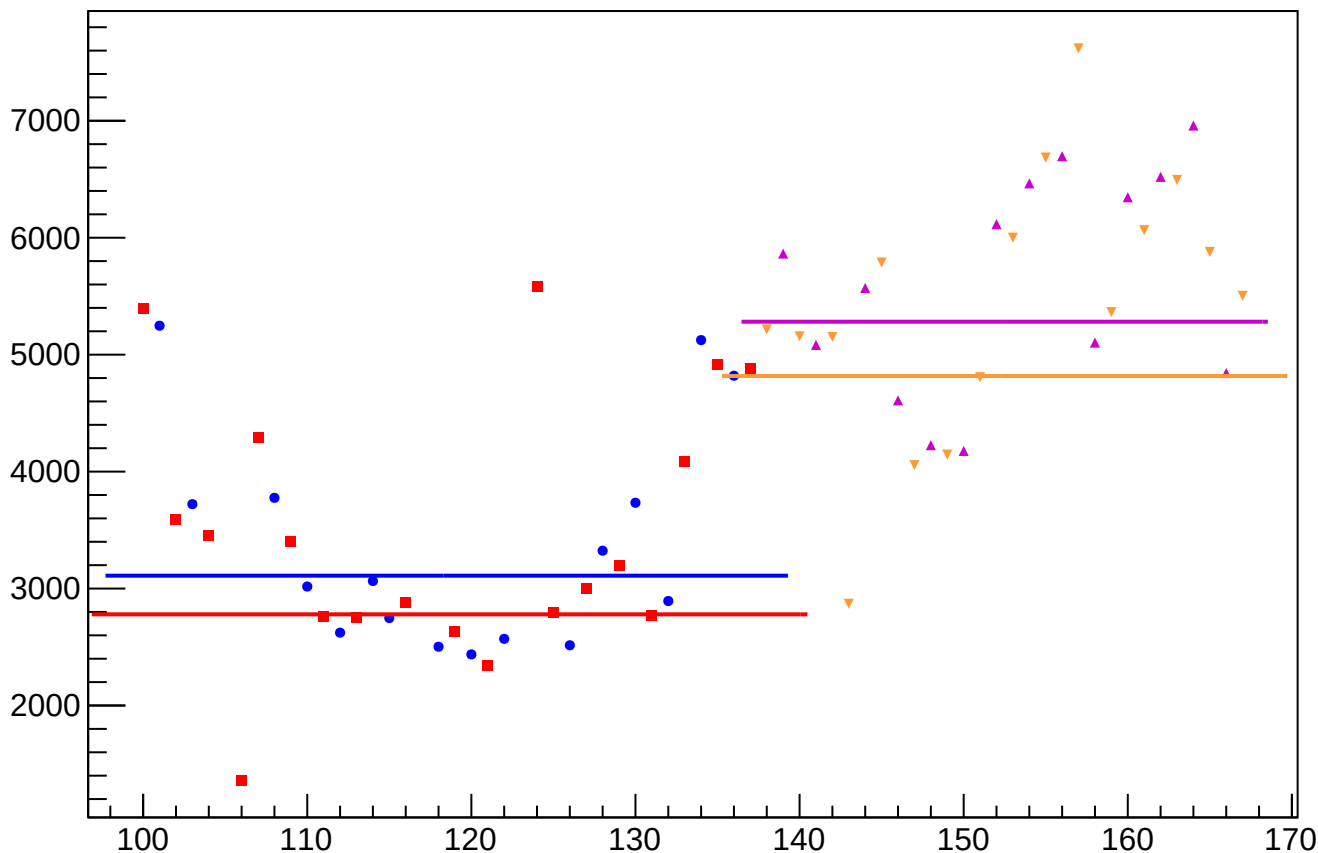
Left In: -1495.902+/-1582.071 χ^2/NDF : 7.7/13

+ sign -1063.807+/-912.998 χ^2/NDF : 38.5/31

All: -1006.181+/-635.833 χ^2/NDF : 65.2/64

- sign -951.909+/-886.016 χ^2/NDF : 26.7/32

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF : 883272.2/15

Left Out: 4817.377+/-0.997 χ^2/NDF : 1591862.7/15

Right Out: 2779.617+/-0.756 χ^2/NDF : 1348160.7/18

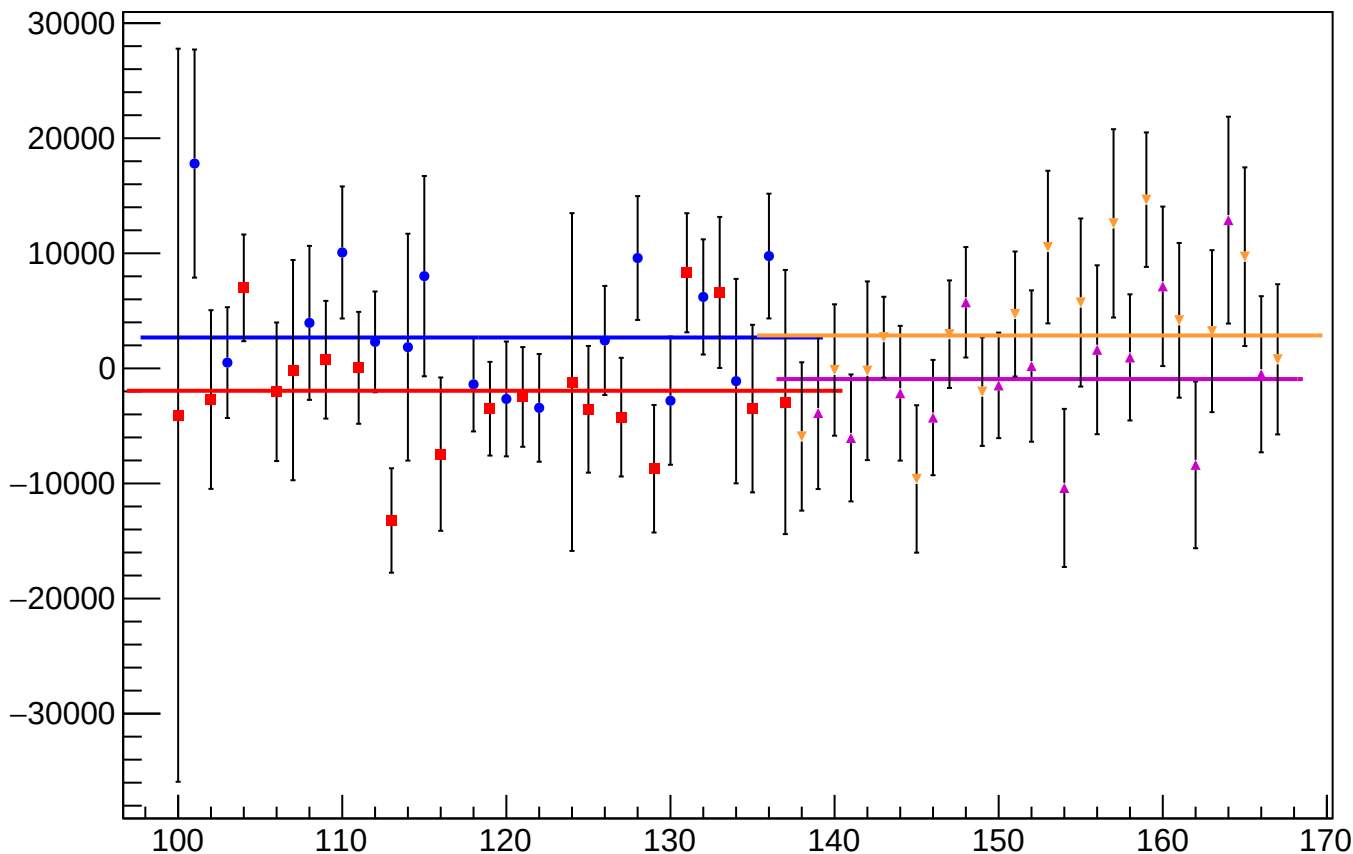
Left In: 5281.809+/-1.119 χ^2/NDF : 640632.3/13

+ sign 3826.635+/-0.646 χ^2/NDF : 4178373.7/31

All: 3691.588+/-0.450 χ^2/NDF : 9685906.0/64

- sign 3564.405+/-0.627 χ^2/NDF : 5422564.2/32

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414 $\pm$ 1379.907 χ^2 /NDF: 13.5/15

Left Out: 2861.037 $\pm$ 1459.357 χ^2 /NDF:15.2/15

Right Out: -1945.685 $\pm$ 1332.986 χ^2 /NDF: 18.7/18

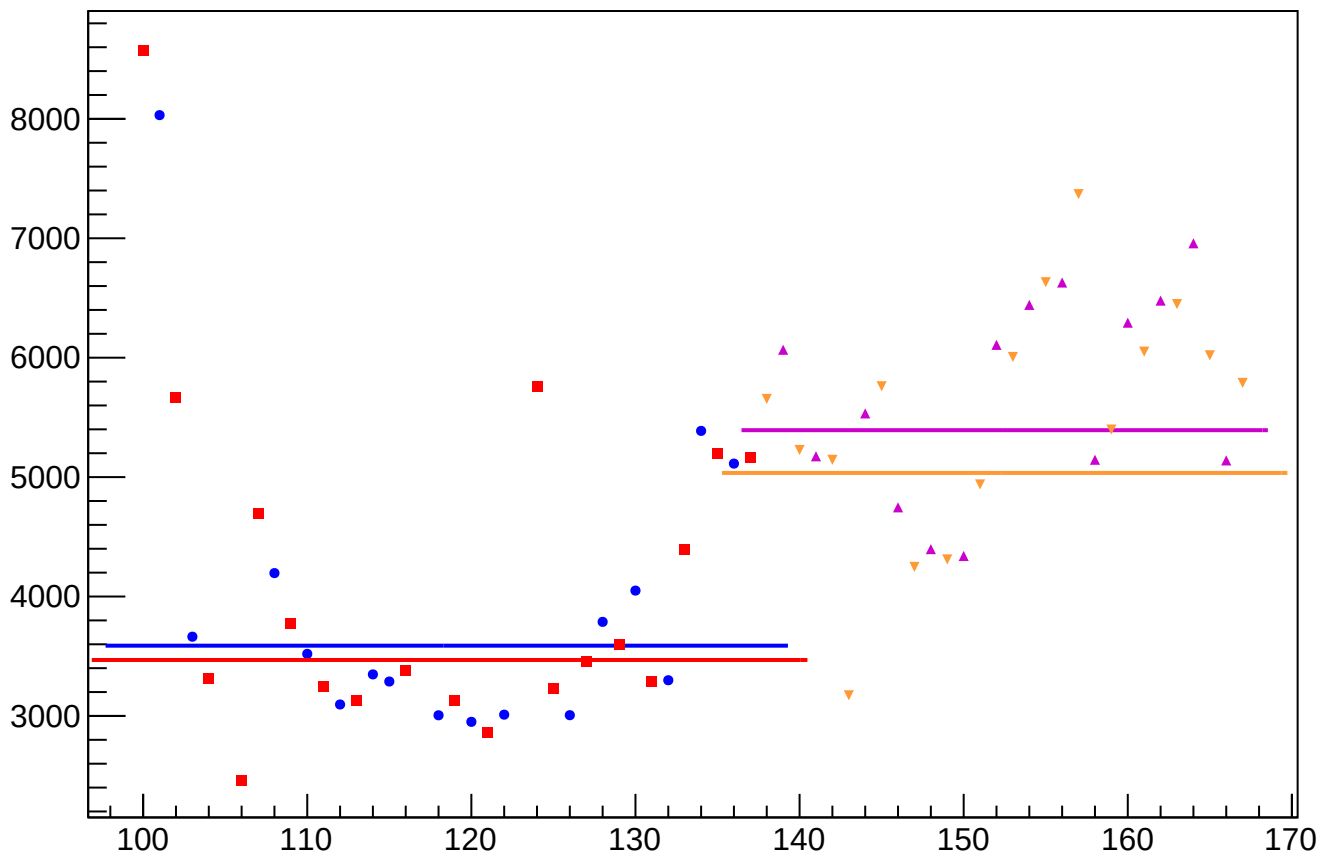
Left In: -926.545 $\pm$ 1609.759 χ^2 /NDF:10.4/13

+ sign 2768.315 $\pm$ 1002.653 χ^2 /NDF: 28.6/31

All: 669.498 $\pm$ 717.328 χ^2 /NDF: 67.0/64

- sign -1531.127 $\pm$ 1026.683 χ^2 /NDF: 29.4/32

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430 ± 0.976 χ^2/NDF : 845218.6/15

Left Out: 5035.142 ± 1.032 χ^2/NDF : 1208029.1/15

Right Out: 3468.624 ± 0.928 χ^2/NDF : 666541.5/18

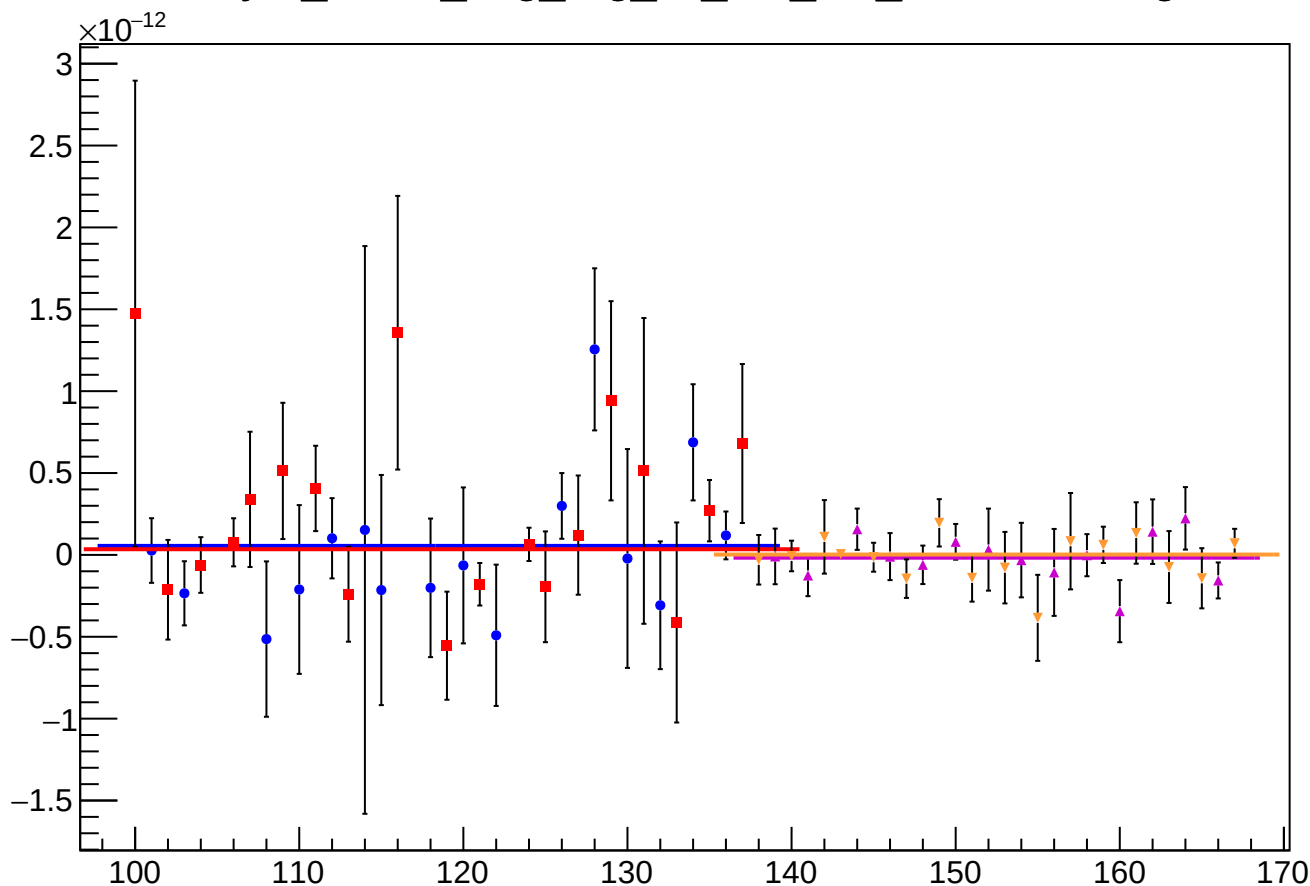
Left In: 5392.866 ± 1.138 χ^2/NDF : 523251.7/13

+ sign 4271.333 ± 0.709 χ^2/NDF : 3090950.6/31

All: 4254.506 ± 0.505 χ^2/NDF : 5998241.1/64

- sign 4237.182 ± 0.719 χ^2/NDF : 2906147.3/32

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 : 9.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 22.3/18

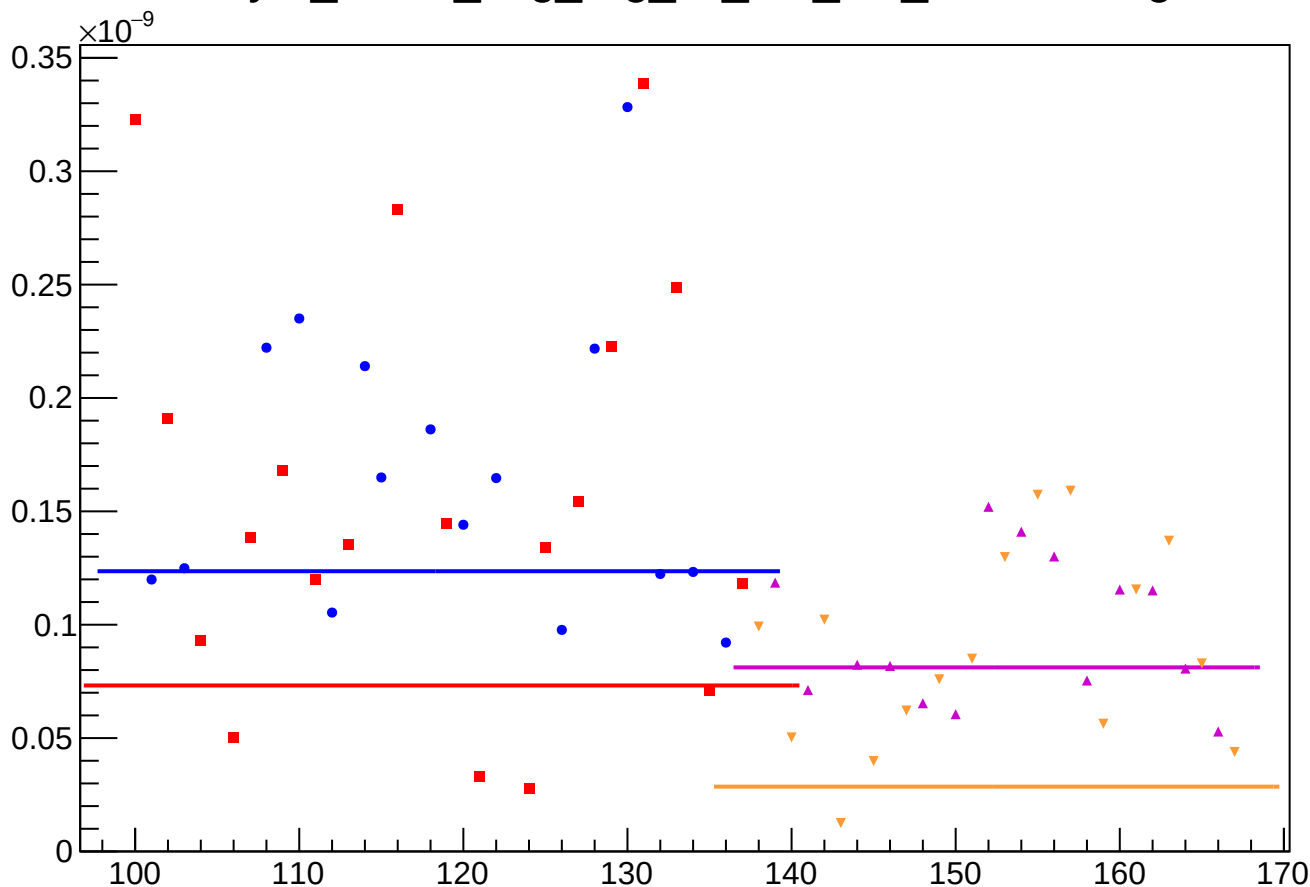
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 10.5/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 27.4/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 60.8/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 33.4/32

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 : 5074938.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2188857.9/18

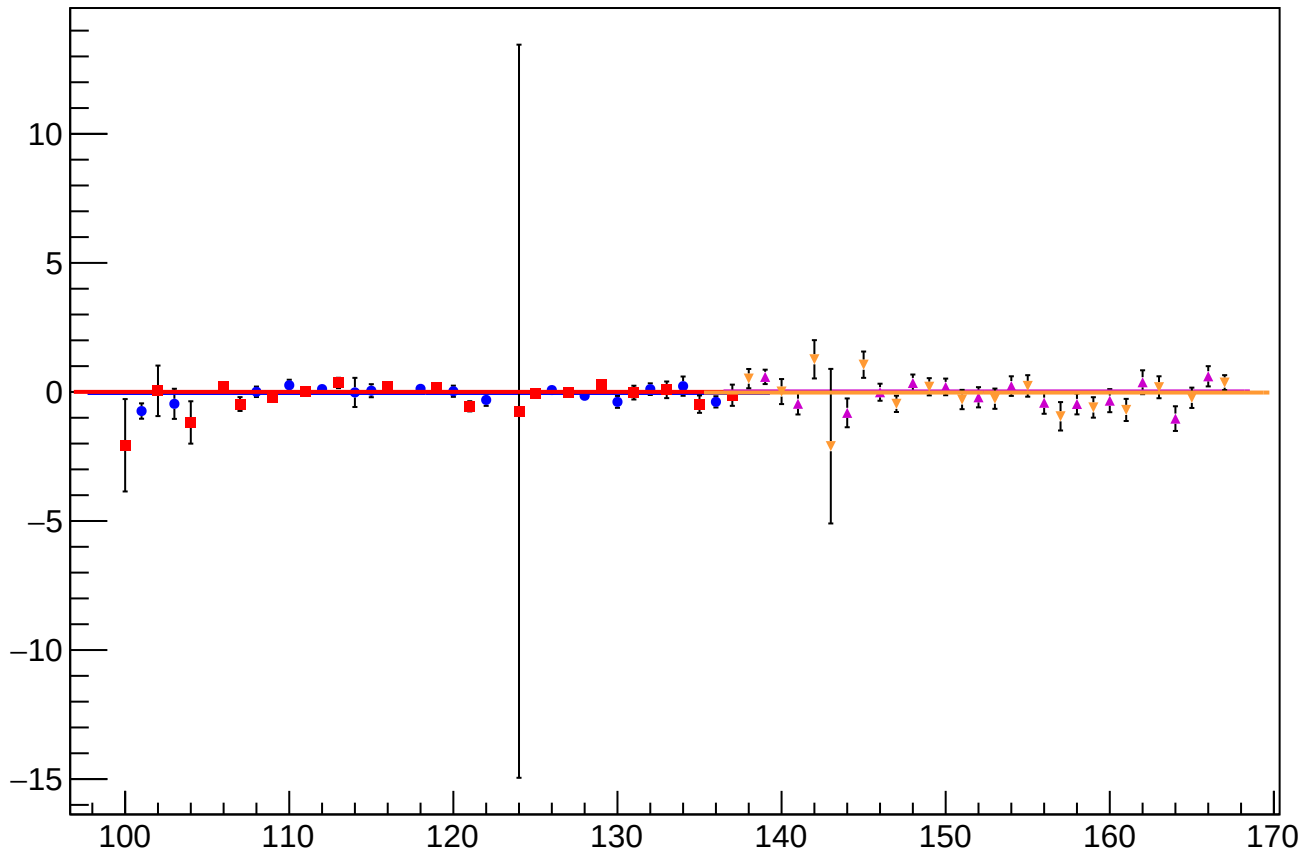
Left In: 0.000+/-0.000 χ^2/NDF : 844932.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 8899137.1/31

All: 0.000+/-0.000 χ^2/NDF : 14817599.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3062681.9/32

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: -0.023 ± 0.103 χ^2/NDF : 23.4/15

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

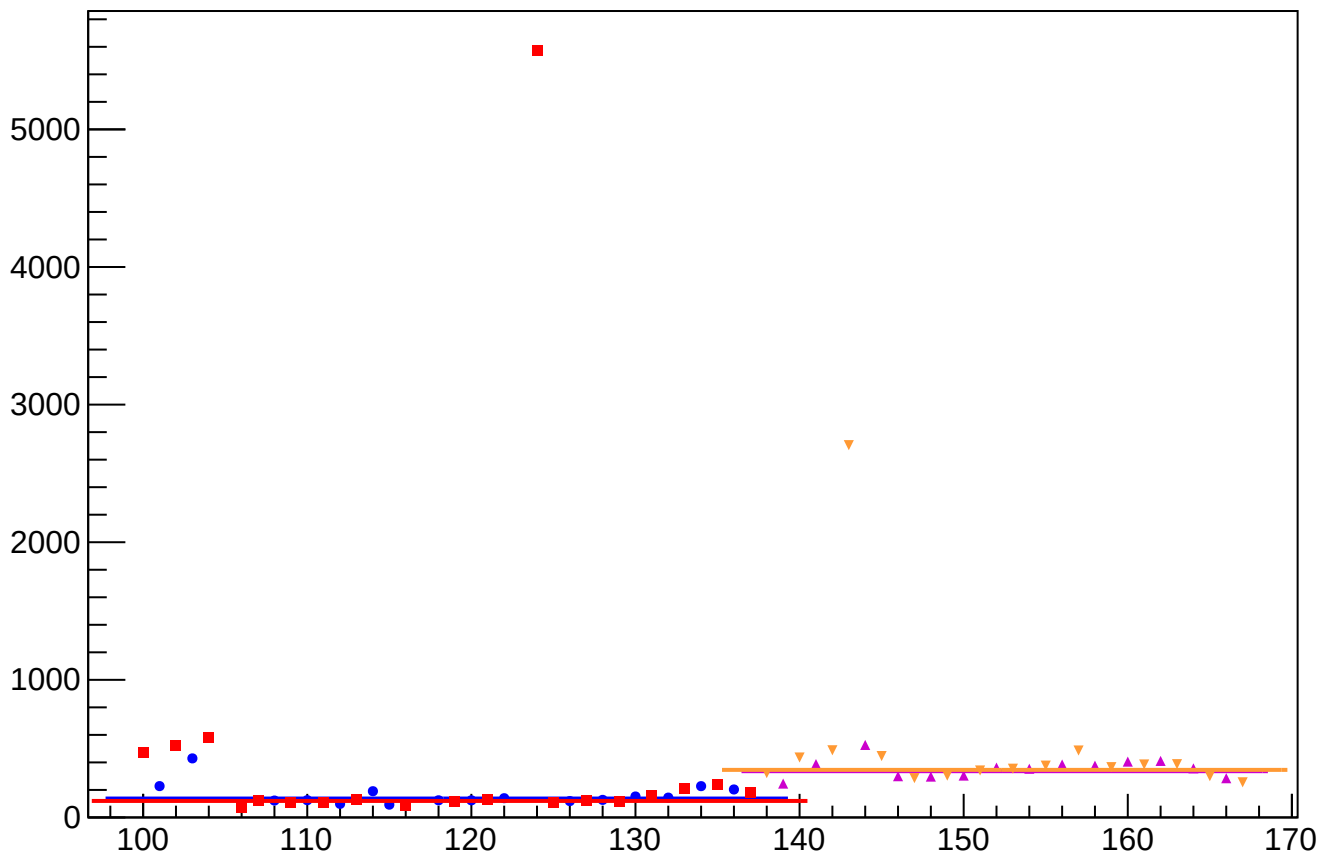
Left In: 0.020 ± 0.102 χ^2/NDF : 20.3/13

+ sign -0.036 ± 0.049 χ^2/NDF : 41.3/31

All: -0.013 ± 0.033 χ^2/NDF : 90.8/64

- sign 0.006 ± 0.046 χ^2/NDF : 49.1/32

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399 $\pm$ 0.039 χ^2 /NDF: 1268257.0/15

Left Out: 345.703 $\pm$ 0.073 χ^2 /NDF:1980143.0/15

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139894.0/18

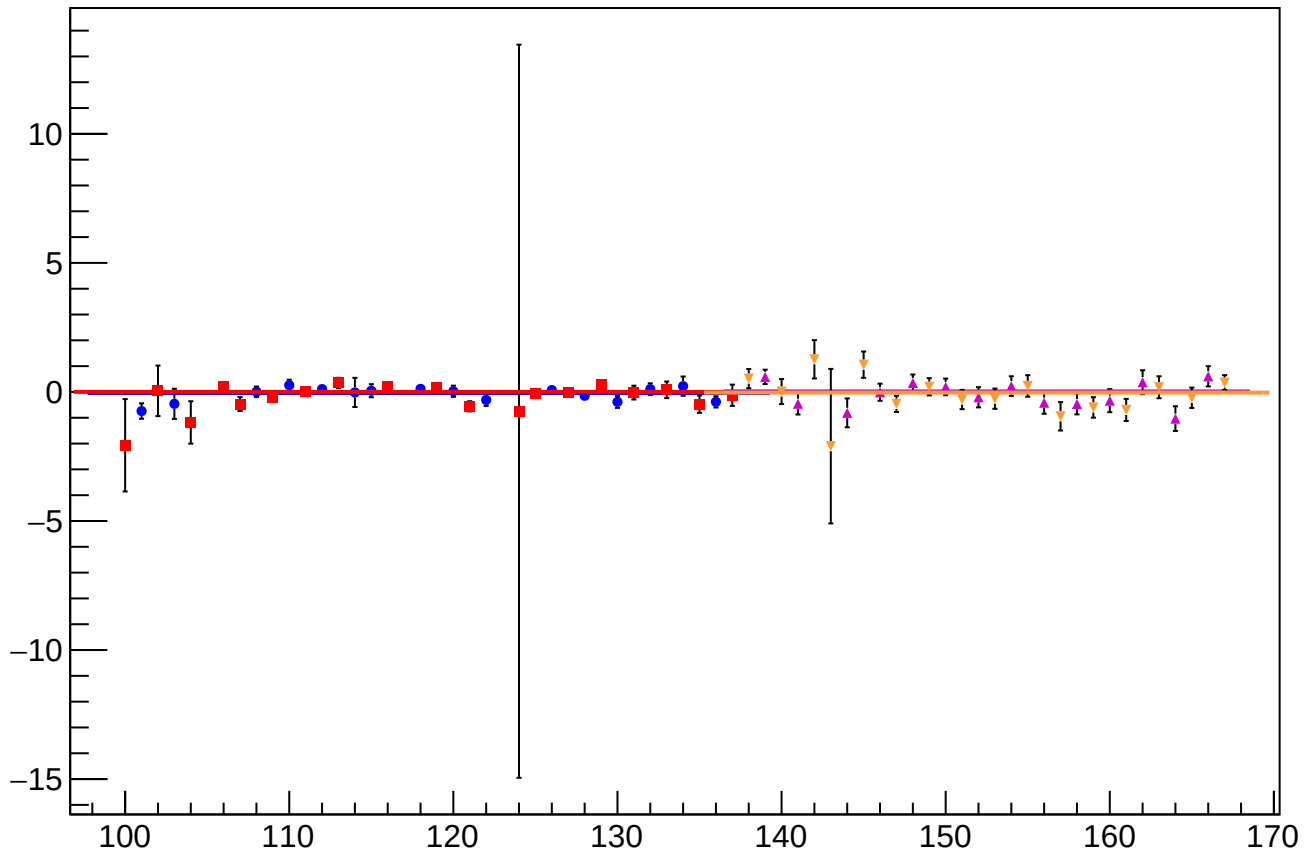
Left In: 336.255 $\pm$ 0.072 χ^2 /NDF:743381.0/13

+ sign 184.862 $\pm$ 0.035 χ^2 /NDF: 9594189.3/31

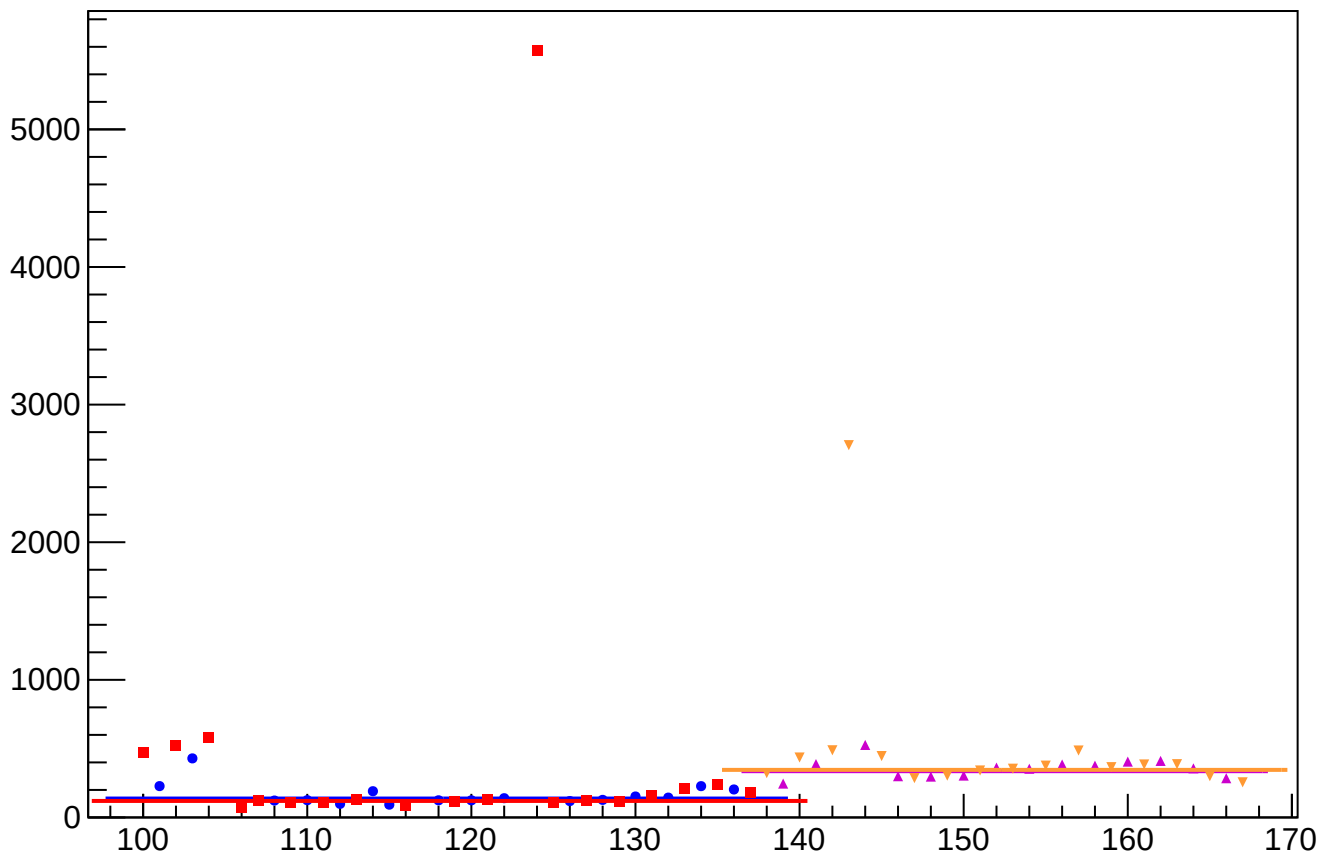
All: 173.103 $\pm$ 0.024 χ^2 /NDF: 19852455.3/64

- sign 162.946 $\pm$ 0.032 χ^2 /NDF: 10044053.9/32

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399 $\pm$ 0.039 χ^2/NDF : 1268257.0/15

Left Out: 345.703 $\pm$ 0.073 χ^2/NDF : 1980143.0/15

Right Out: 120.006 $\pm$ 0.036 χ^2/NDF : 2139894.0/18

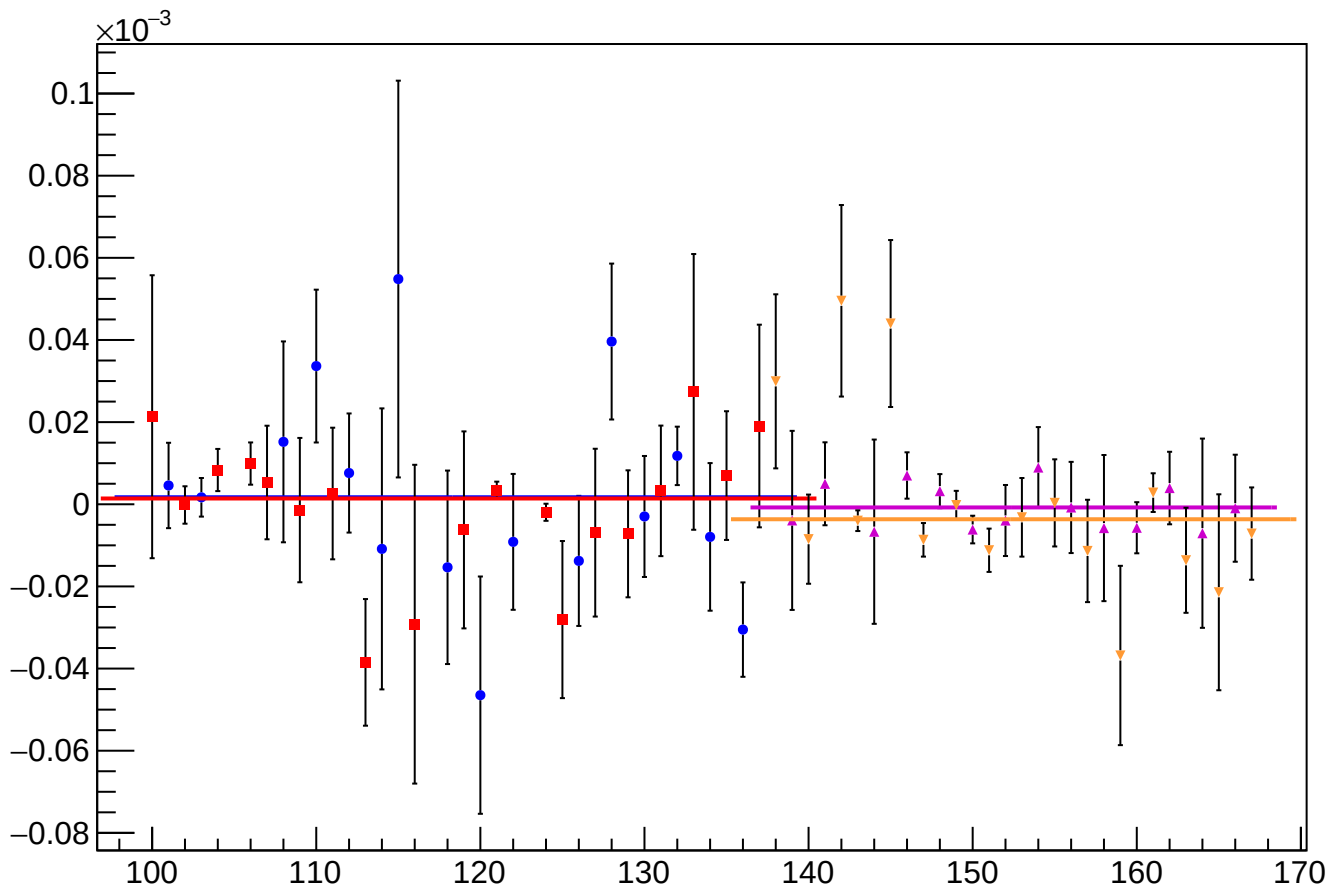
Left In: 336.255 $\pm$ 0.072 χ^2/NDF : 743381.0/13

+ sign 184.862 $\pm$ 0.035 χ^2/NDF : 9594189.3/31

All: 173.103 $\pm$ 0.024 χ^2/NDF : 19852455.3/64

- sign 162.946 $\pm$ 0.032 χ^2/NDF : 10044053.9/32

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 : 24.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 20.3/18

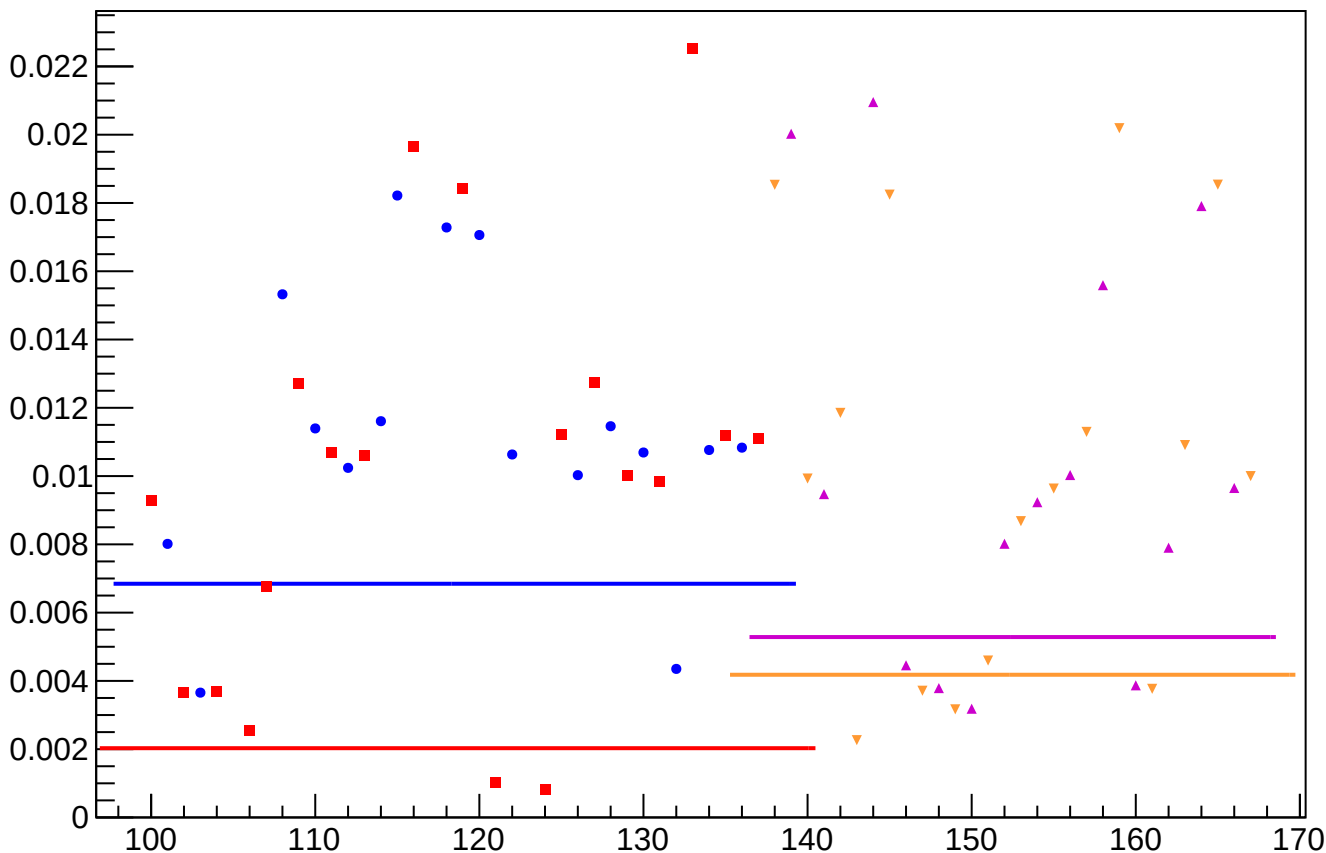
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 8.0/13

+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 50.3/31

All: -0.000 $\pm$ 0.000 χ^2/NDF : 83.2/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 29.1/32

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: 0.004+/-0.000 χ^2/NDF : 8549161.7/15

Right Out: 0.002+/-0.000 χ^2/NDF : 9007527.0/18

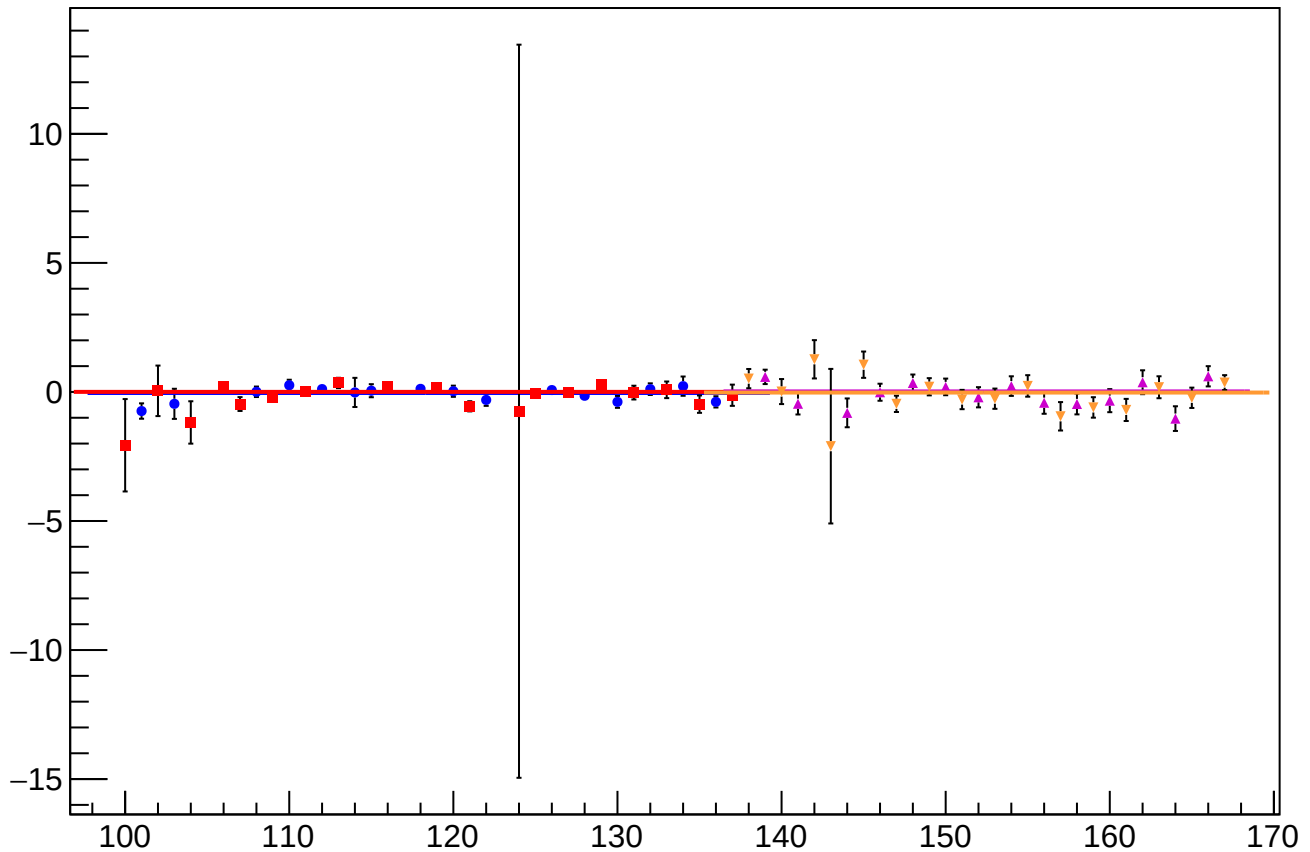
Left In: 0.005+/-0.000 χ^2/NDF : 5979051.8/13

+ sign 0.005+/-0.000 χ^2/NDF : 13063003.8/31

All: 0.004+/-0.000 χ^2/NDF : 34122638.2/64

- sign 0.003+/-0.000 χ^2/NDF : 19032077.7/32

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: -0.023 ± 0.103 χ^2/NDF : 23.4/15

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

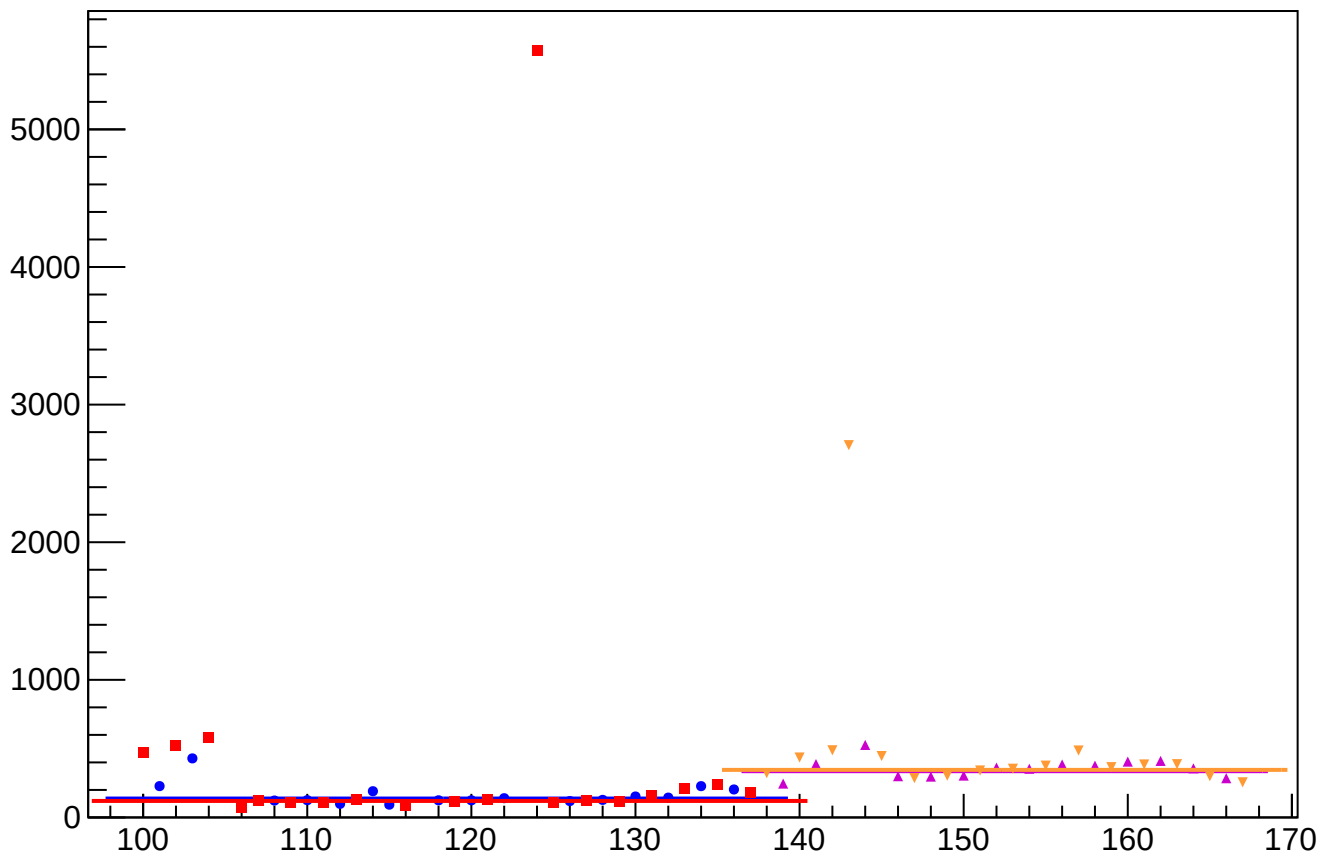
Left In: 0.020 ± 0.102 χ^2/NDF : 20.3/13

+ sign -0.036 ± 0.049 χ^2/NDF : 41.3/31

All: -0.013 ± 0.033 χ^2/NDF : 90.8/64

- sign 0.006 ± 0.046 χ^2/NDF : 49.1/32

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: 345.707 $\pm$ 0.073 χ^2 /NDF: 1980180.5/15

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139820.8/18

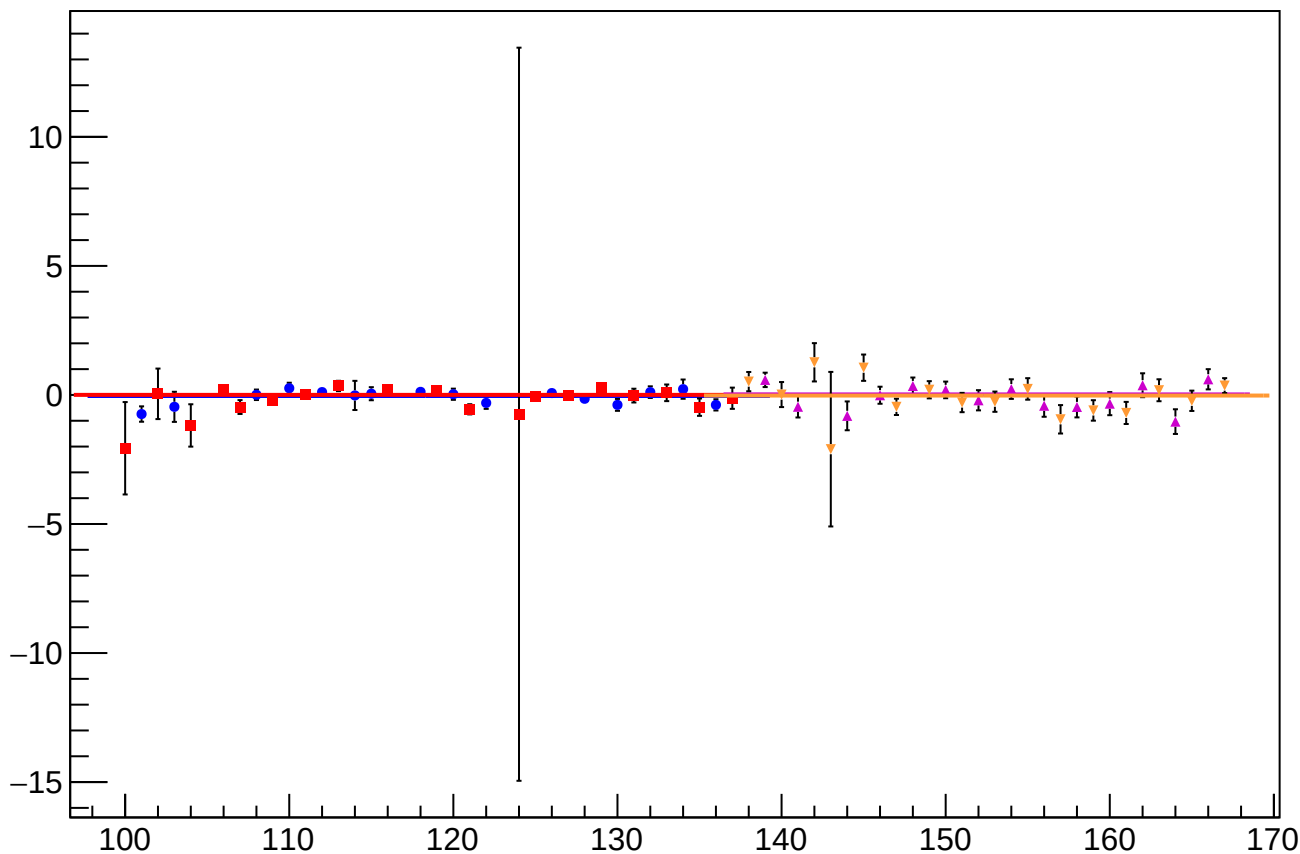
Left In: 336.259 $\pm$ 0.072 χ^2 /NDF: 743379.7/13

+ sign 184.863 $\pm$ 0.035 χ^2 /NDF: 9594222.2/31

All: 173.104 $\pm$ 0.024 χ^2 /NDF: 19852591.8/64

- sign 162.945 $\pm$ 0.032 χ^2 /NDF: 10044135.2/32

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: -0.023 ± 0.103 χ^2/NDF : 23.4/15

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

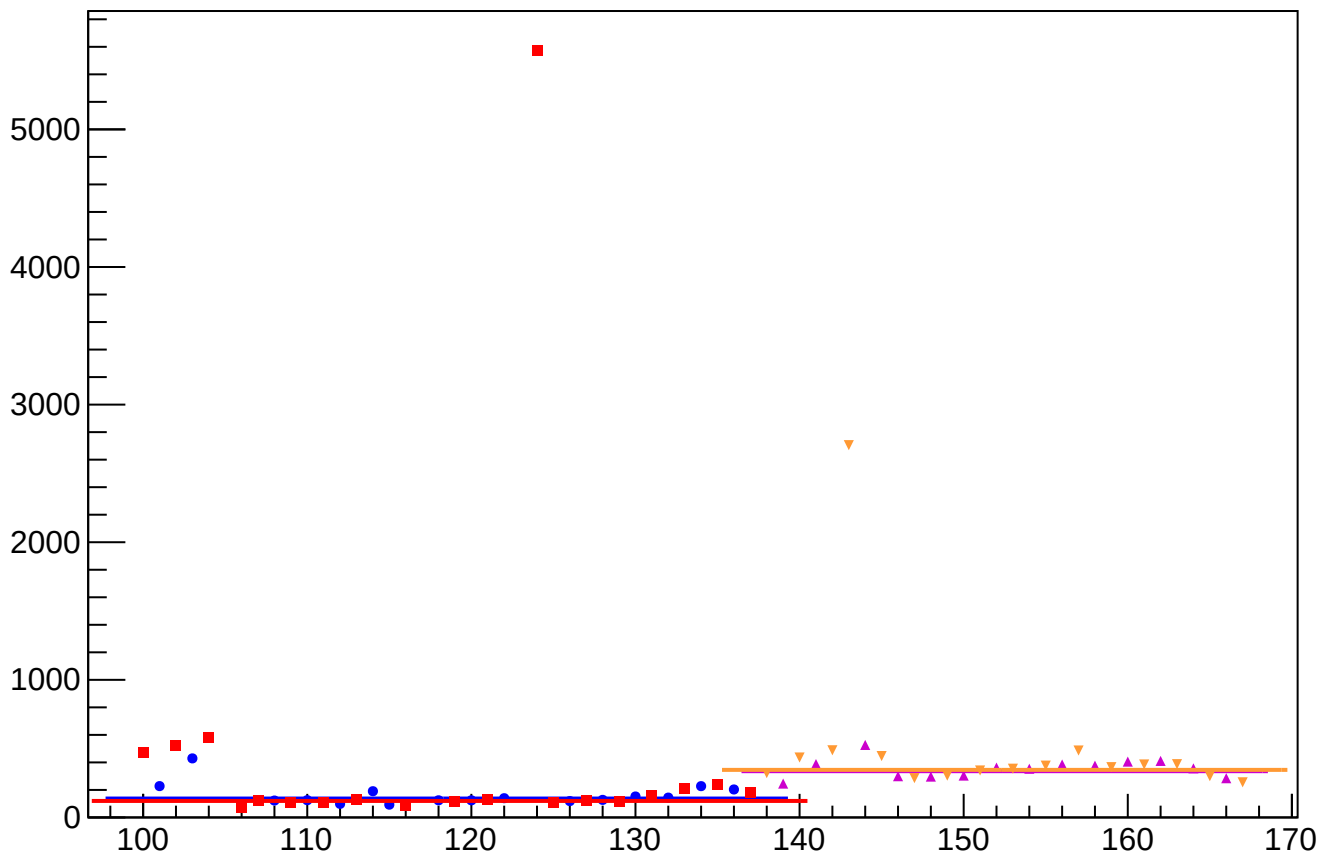
Left In: 0.020 ± 0.102 χ^2/NDF : 20.3/13

+ sign -0.036 ± 0.049 χ^2/NDF : 41.3/31

All: -0.013 ± 0.033 χ^2/NDF : 90.8/64

- sign 0.006 ± 0.046 χ^2/NDF : 49.1/32

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: 345.707 $\pm$ 0.073 χ^2/NDF : 1980180.5/15

Right Out: 120.006 $\pm$ 0.036 χ^2/NDF : 2139820.8/18

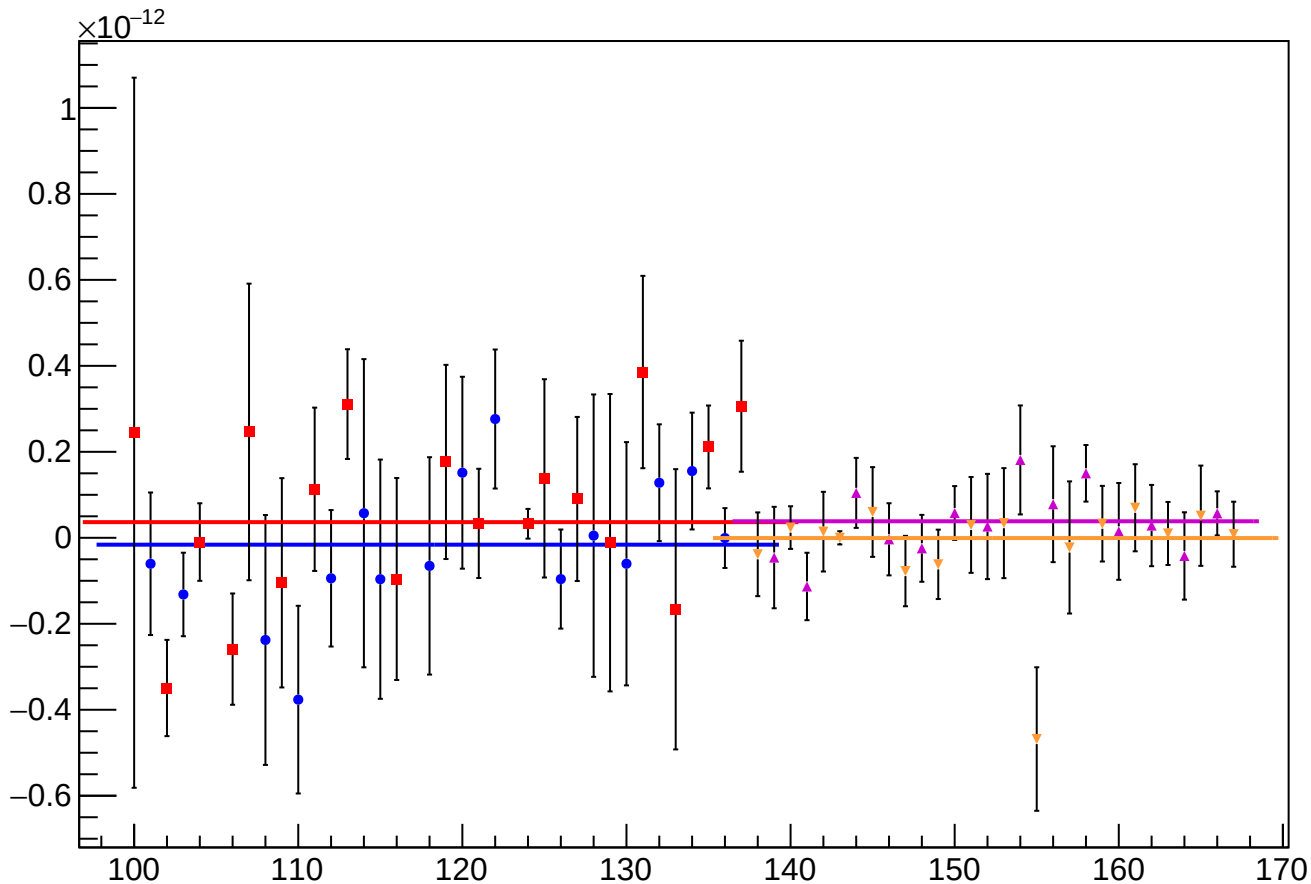
Left In: 336.259 $\pm$ 0.072 χ^2/NDF : 743379.7/13

+ sign 184.863 $\pm$ 0.035 χ^2/NDF : 9594222.2/31

All: 173.104 $\pm$ 0.024 χ^2/NDF : 19852591.8/64

- sign 162.945 $\pm$ 0.032 χ^2/NDF : 10044135.2/32

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF : 11.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 33.2/18

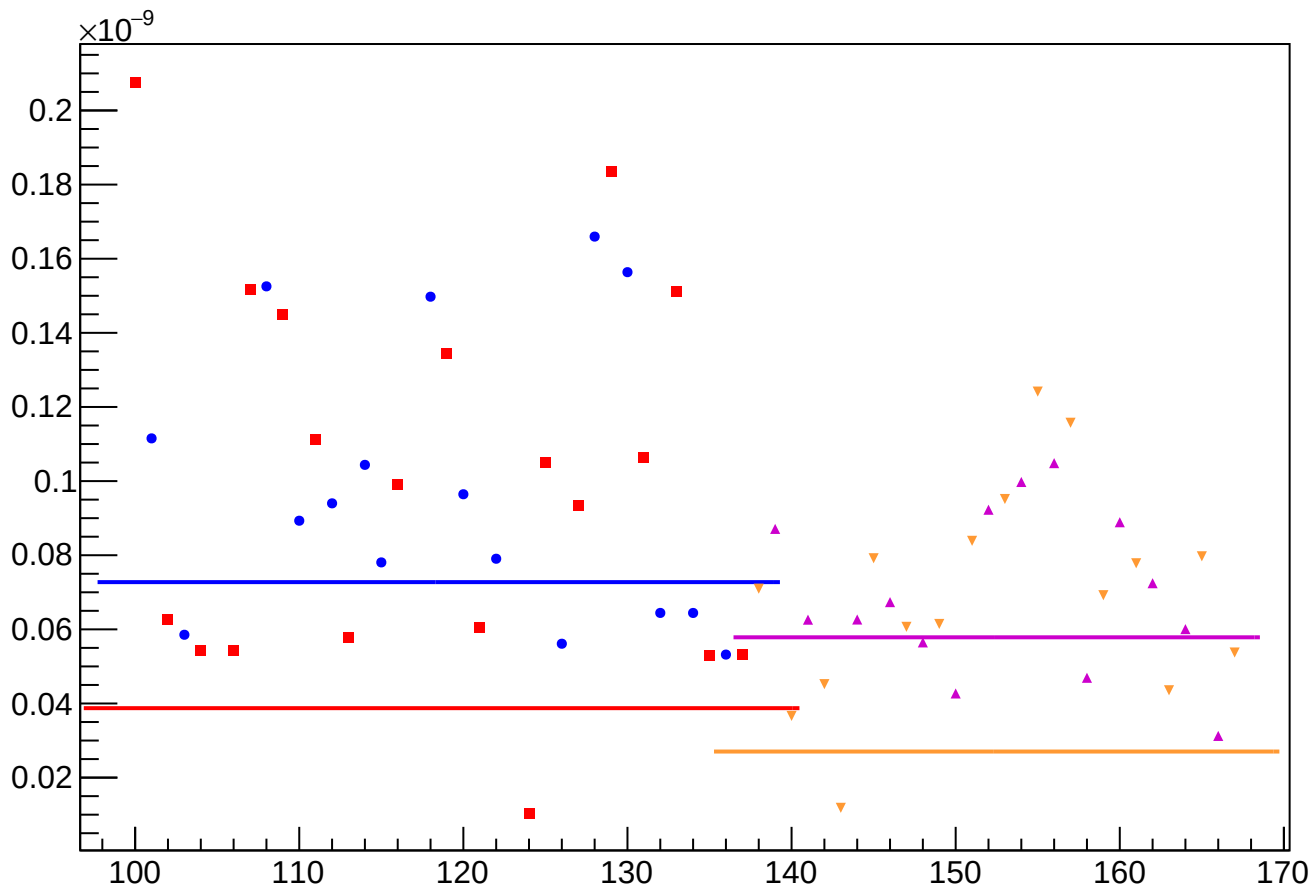
Left In: 0.000+/-0.000 χ^2/NDF : 11.0/13

+ sign -0.000+/-0.000 χ^2/NDF : 23.5/31

All: 0.000+/-0.000 χ^2/NDF : 71.4/64

- sign 0.000+/-0.000 χ^2/NDF : 44.1/32

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 : 7847607.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4266020.5/18

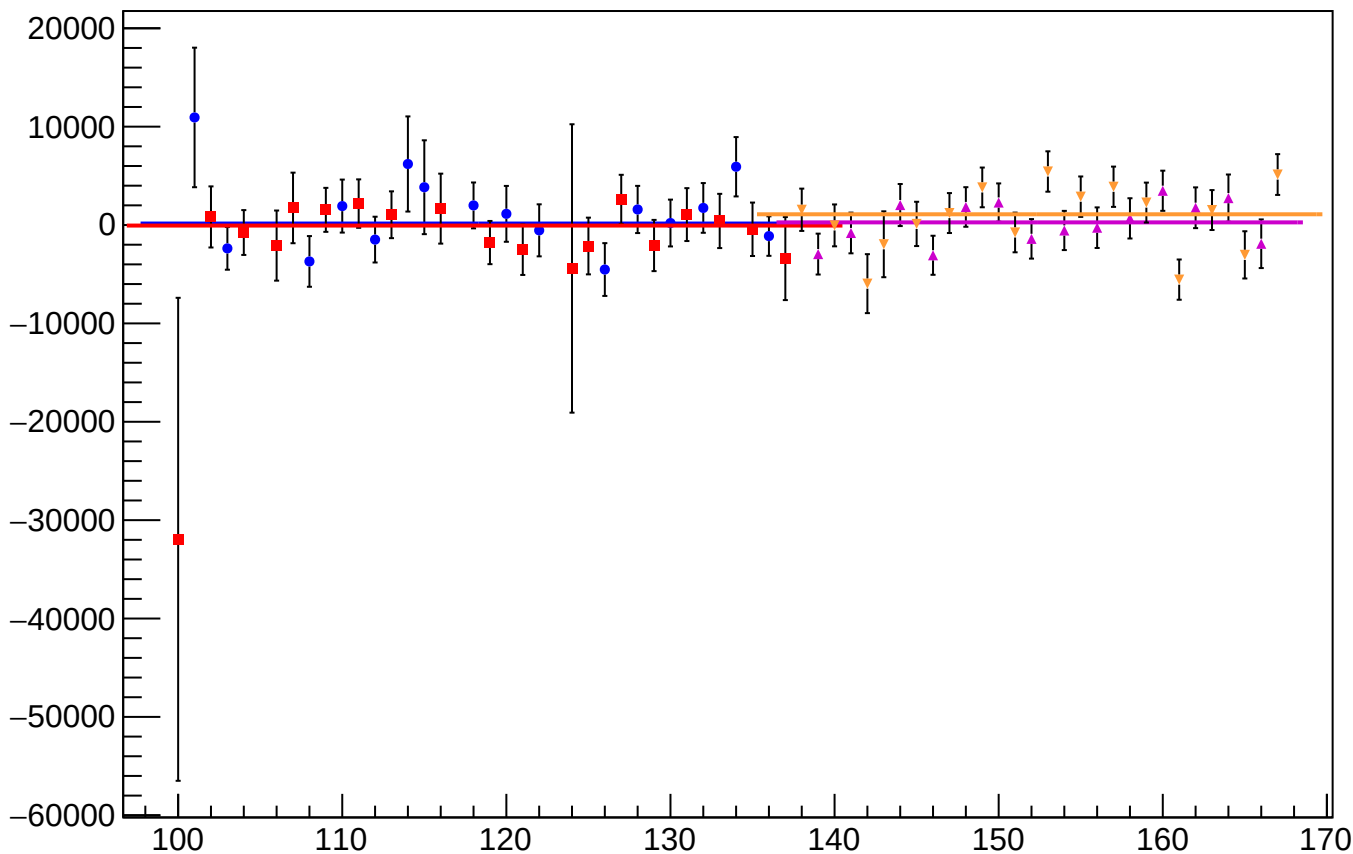
Left In: 0.000+/-0.000 χ^2/NDF : 1694874.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 11670891.3/31

All: 0.000+/-0.000 χ^2/NDF : 19747728.6/64

- sign 0.000+/-0.000 χ^2/NDF : 6603073.1/32

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722 $\pm$ 667.029 χ^2 /NDF: 17.7/15

Left Out: 1092.815 $\pm$ 541.363 χ^2 /NDF:34.4/15

Right Out: -54.106 $\pm$ 655.266 χ^2 /NDF: 9.0/18

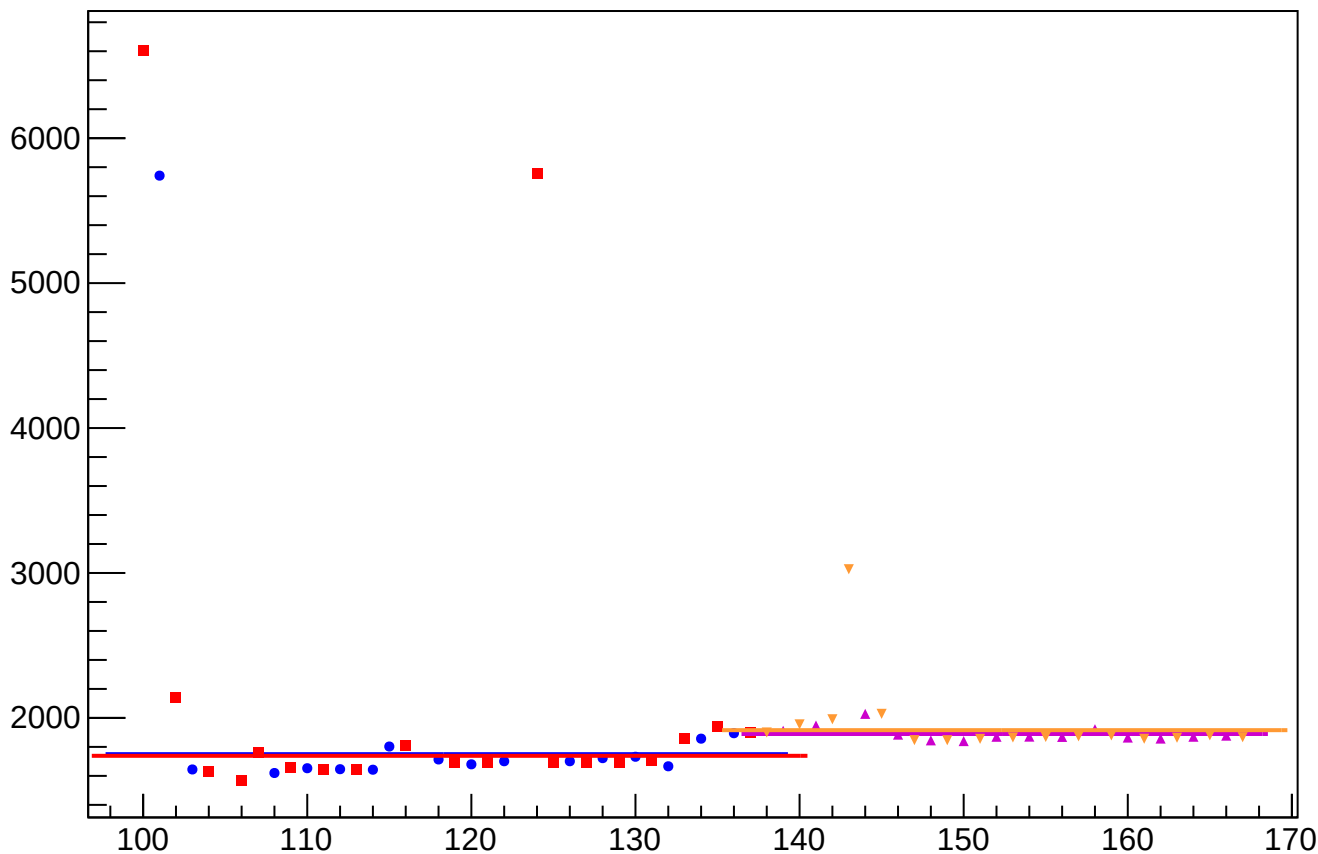
Left In: 269.560 $\pm$ 556.088 χ^2 /NDF:13.7/13

+ sign 718.692 $\pm$ 420.344 χ^2 /NDF: 53.2/31

All: 428.895 $\pm$ 298.508 χ^2 /NDF: 77.0/64

- sign 134.050 $\pm$ 423.989 χ^2 /NDF: 22.8/32

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2 /NDF: 669576.0/15

Left Out: 1915.421+/-0.383 χ^2 /NDF: 241644.0/15

Right Out: 1738.493+/-0.460 χ^2 /NDF: 304493.3/18

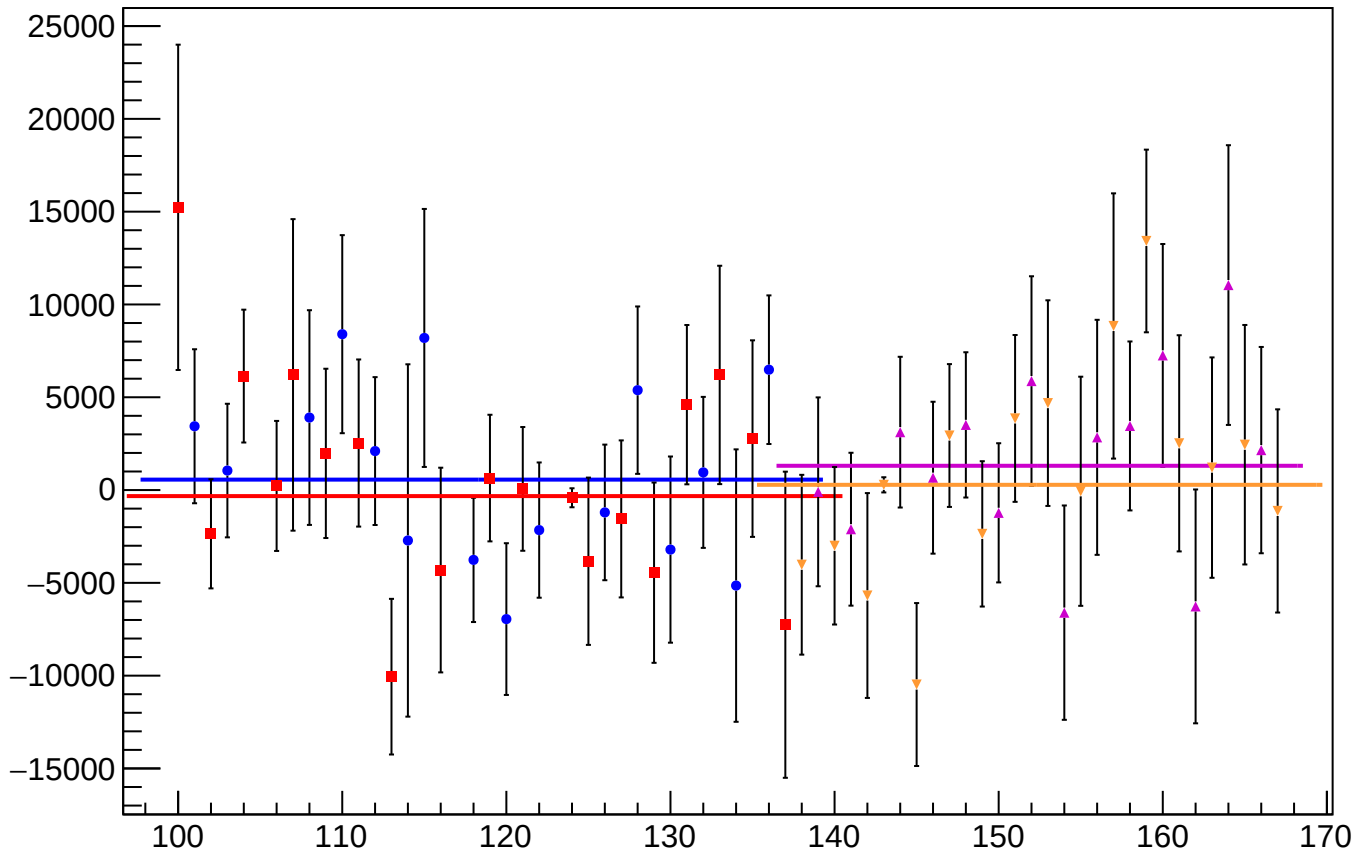
Left In: 1889.051+/-0.393 χ^2 /NDF: 14460.5/13

+ sign 1849.676+/-0.297 χ^2 /NDF: 985499.1/31

All: 1837.643+/-0.211 χ^2 /NDF: 1369654.0/64

- sign 1825.477+/-0.299 χ^2 /NDF: 380859.0/32

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339 ± 1101.163 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 282.015 ± 389.980 $\chi^2/\text{NDF}: 19.7/15$

Right Out: -325.567 ± 457.948 $\chi^2/\text{NDF}: 19.2/18$

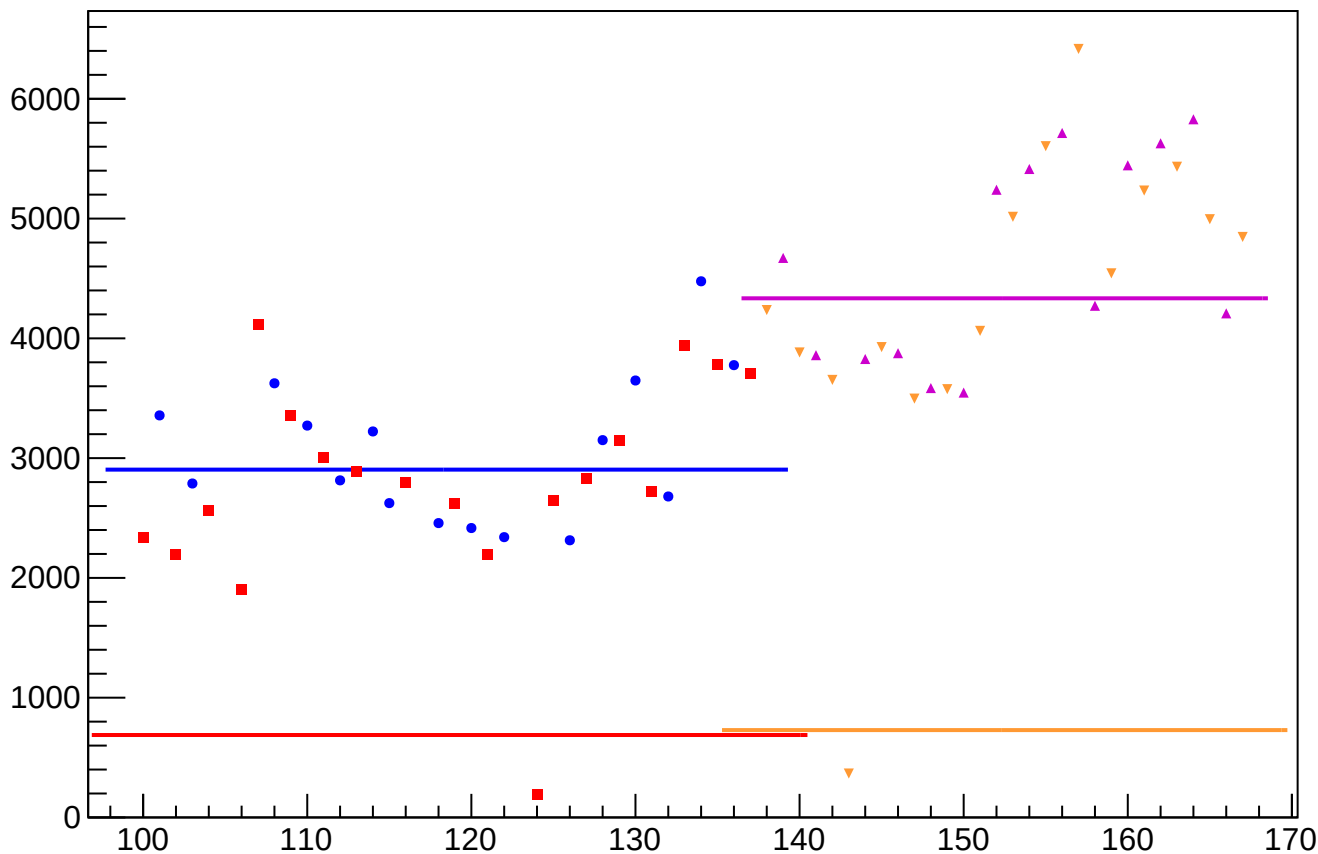
Left In: 1308.040 ± 1299.821 $\chi^2/\text{NDF}: 8.7/13$

+ sign 313.256 ± 367.607 $\chi^2/\text{NDF}: 34.5/31$

All: 120.679 ± 279.944 $\chi^2/\text{NDF}: 64.5/64$

- sign -145.183 ± 431.925 $\chi^2/\text{NDF}: 29.3/32$

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059 ± 0.779 $\chi^2/\text{NDF}: 479774.3/15$

Left Out: 729.380 ± 0.276 $\chi^2/\text{NDF}: 17907030.3/15$

Right Out: 688.319 ± 0.324 $\chi^2/\text{NDF}: 10148914.1/18$

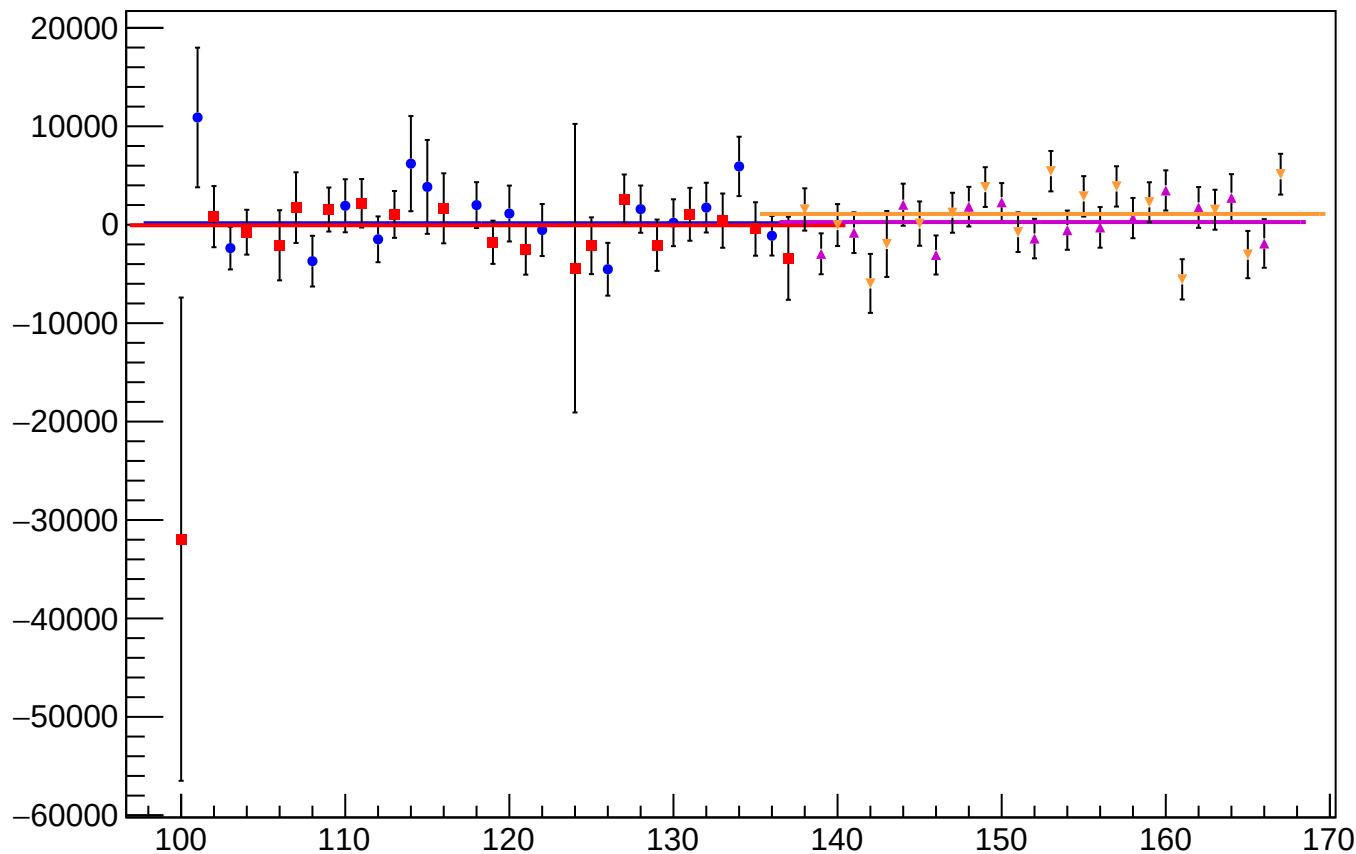
Left In: 4334.352 ± 0.919 $\chi^2/\text{NDF}: 702507.9/13$

+ sign 971.740 ± 0.260 $\chi^2/\text{NDF}: 25317887.1/31$

All: 1021.803 ± 0.198 $\chi^2/\text{NDF}: 50256356.4/6$

- sign 1090.916 ± 0.305 $\chi^2/\text{NDF}: 24850168.1/32$

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF : 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF : 34.4/15

Right Out: -54.158+/-655.266 χ^2/NDF : 9.0/18

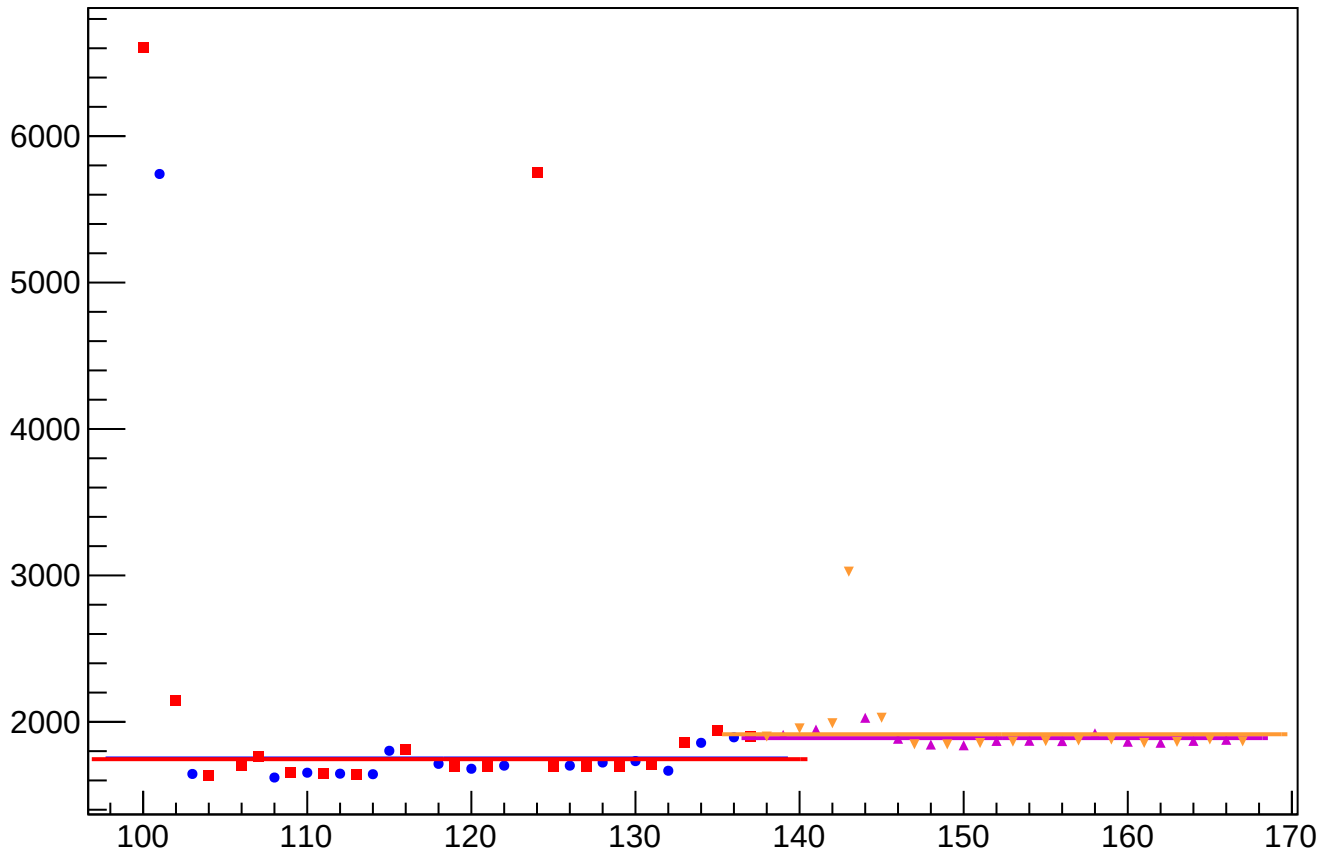
Left In: 269.614+/-556.088 χ^2/NDF : 13.7/13

+ sign 718.493+/-420.344 χ^2/NDF : 53.2/31

All: 428.799+/-298.508 χ^2/NDF : 76.9/64

- sign 134.060+/-423.989 χ^2/NDF : 22.8/32

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864 $\pm$ 0.472 χ^2 /NDF: 669576.1/15

Left Out: 1915.421 $\pm$ 0.383 χ^2 /NDF: 241644.0/15

Right Out: 1745.188 $\pm$ 0.462 χ^2 /NDF: 297979.0/18

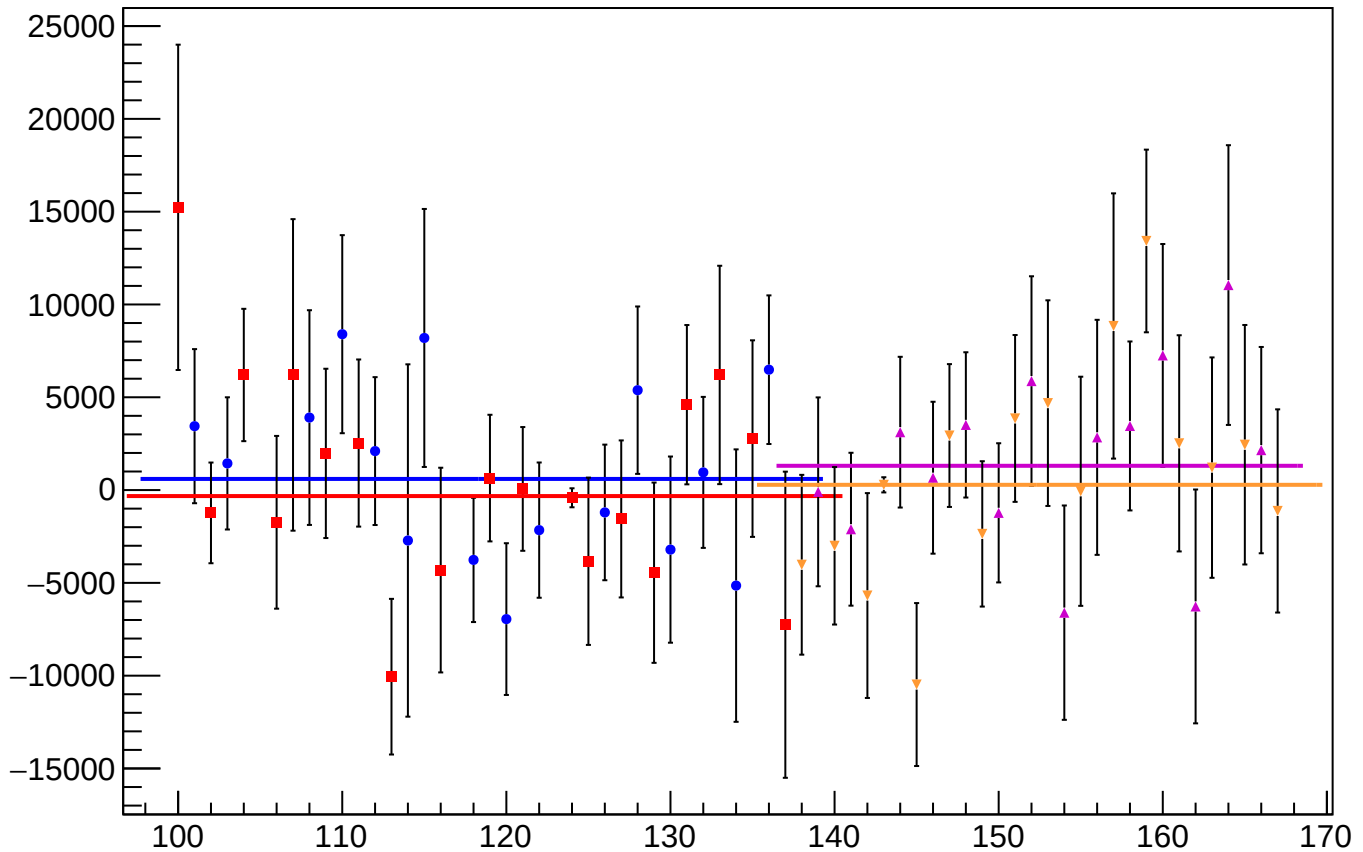
Left In: 1889.051 $\pm$ 0.393 χ^2 /NDF: 14460.5/13

+ sign 1849.675 $\pm$ 0.297 χ^2 /NDF: 985499.6/31

All: 1839.191 $\pm$ 0.211 χ^2 /NDF: 1356731.3/64

- sign 1828.557 $\pm$ 0.299 χ^2 /NDF: 368725.5/32

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202 ± 1100.125 χ^2/NDF : 14.9/15

Left Out: 282.972 ± 390.012 χ^2/NDF : 19.7/15

Right Out: -323.164 ± 458.862 χ^2/NDF : 19.0/18

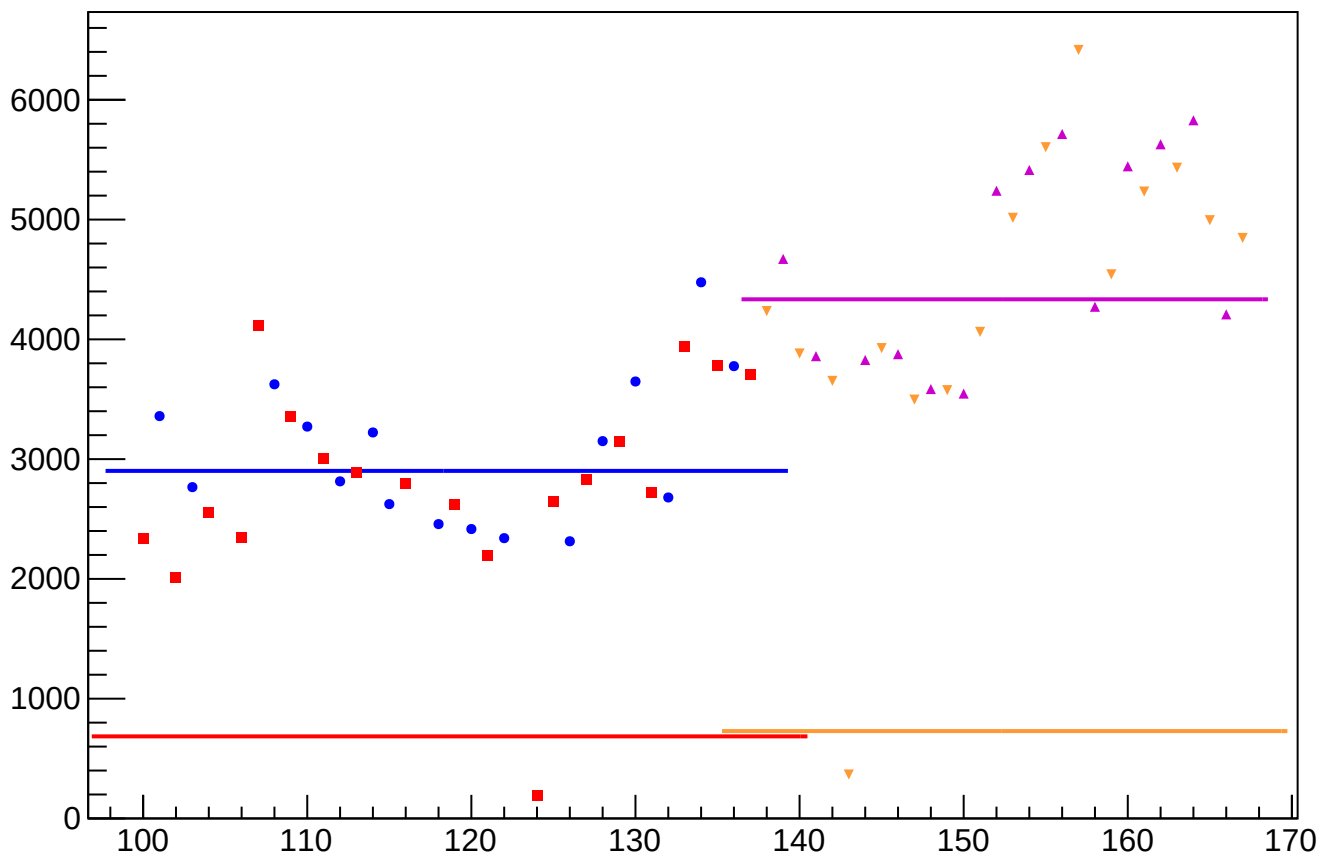
Left In: 1308.132 ± 1299.818 χ^2/NDF : 8.7/13

+ sign 318.390 ± 367.595 χ^2/NDF : 34.6/31

All: 125.233 ± 280.147 χ^2/NDF : 64.4/64

- sign -142.394 ± 432.692 χ^2/NDF : 29.1/32

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF : 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF : 17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF : 10105797.4/18

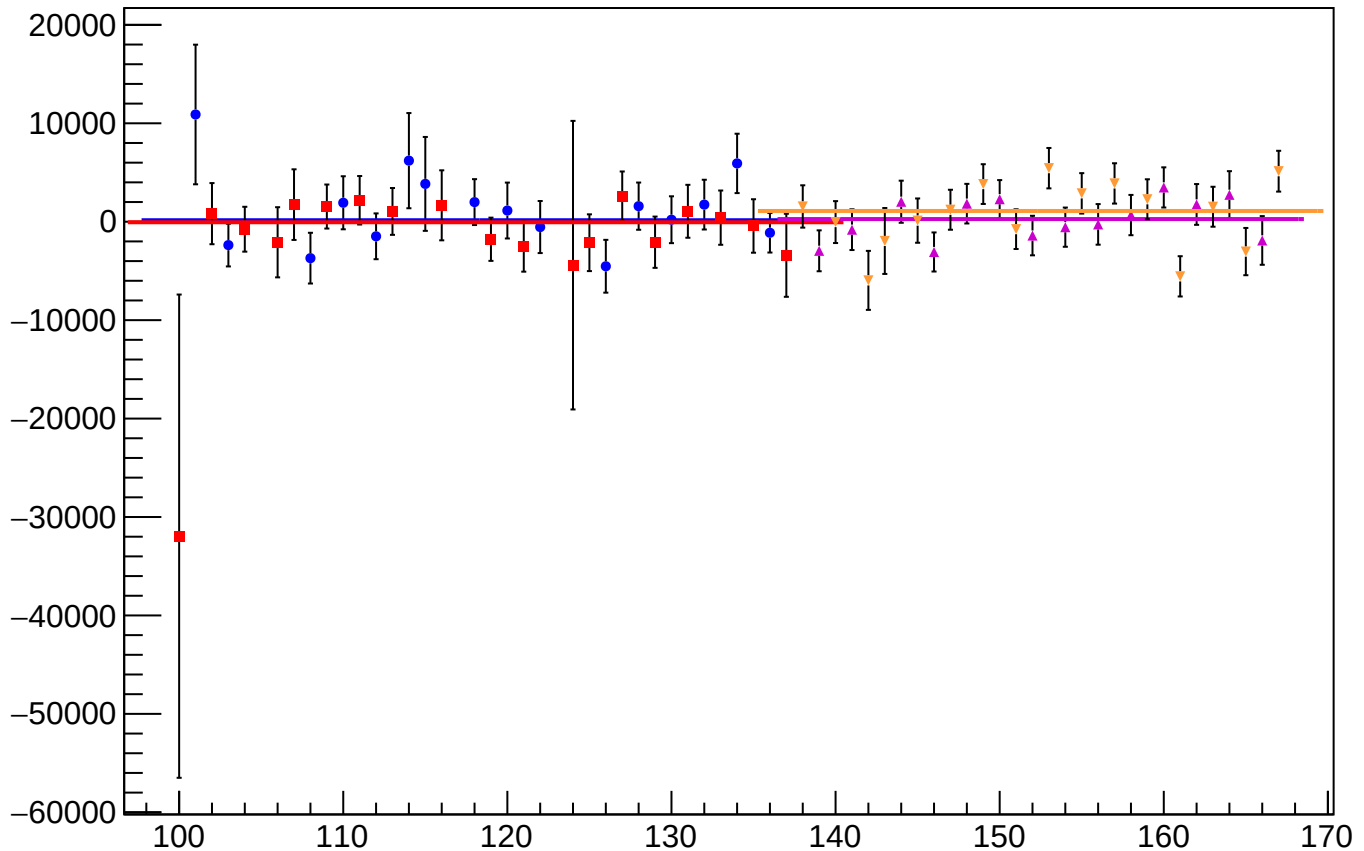
Left In: 4334.344+/-0.919 χ^2/NDF : 702521.2/13

+ sign 972.021+/-0.260 χ^2/NDF : 25315269.1/31

All: 1021.319+/-0.198 χ^2/NDF : 50225463.0/6

- sign 1089.625+/-0.306 χ^2/NDF : 24824381.9/32

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF : 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF : 34.4/15

Right Out: -54.158+/-655.266 χ^2/NDF : 9.0/18

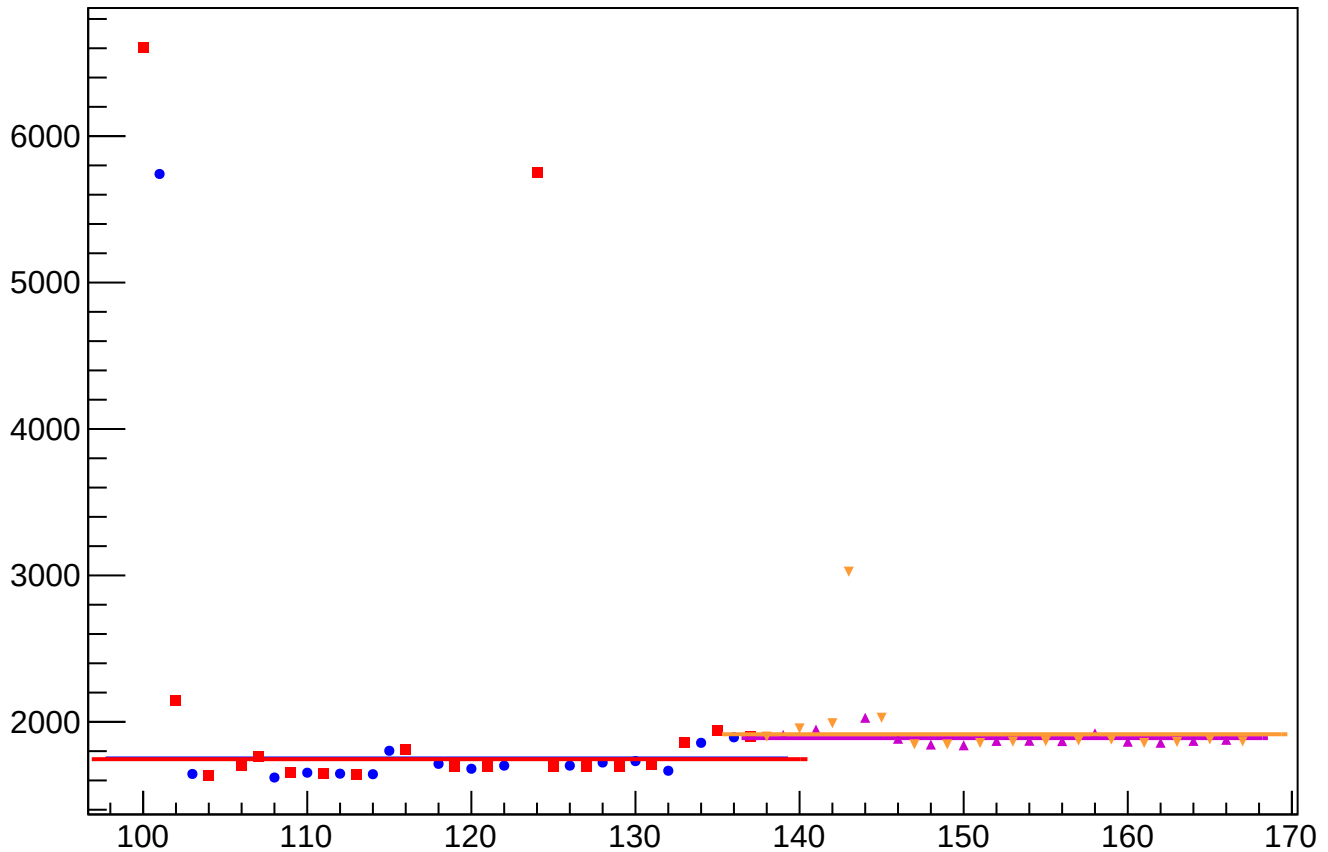
Left In: 269.614+/-556.088 χ^2/NDF : 13.7/13

+ sign 718.493+/-420.344 χ^2/NDF : 53.2/31

All: 428.799+/-298.508 χ^2/NDF : 76.9/64

- sign 134.060+/-423.989 χ^2/NDF : 22.8/32

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF : 241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

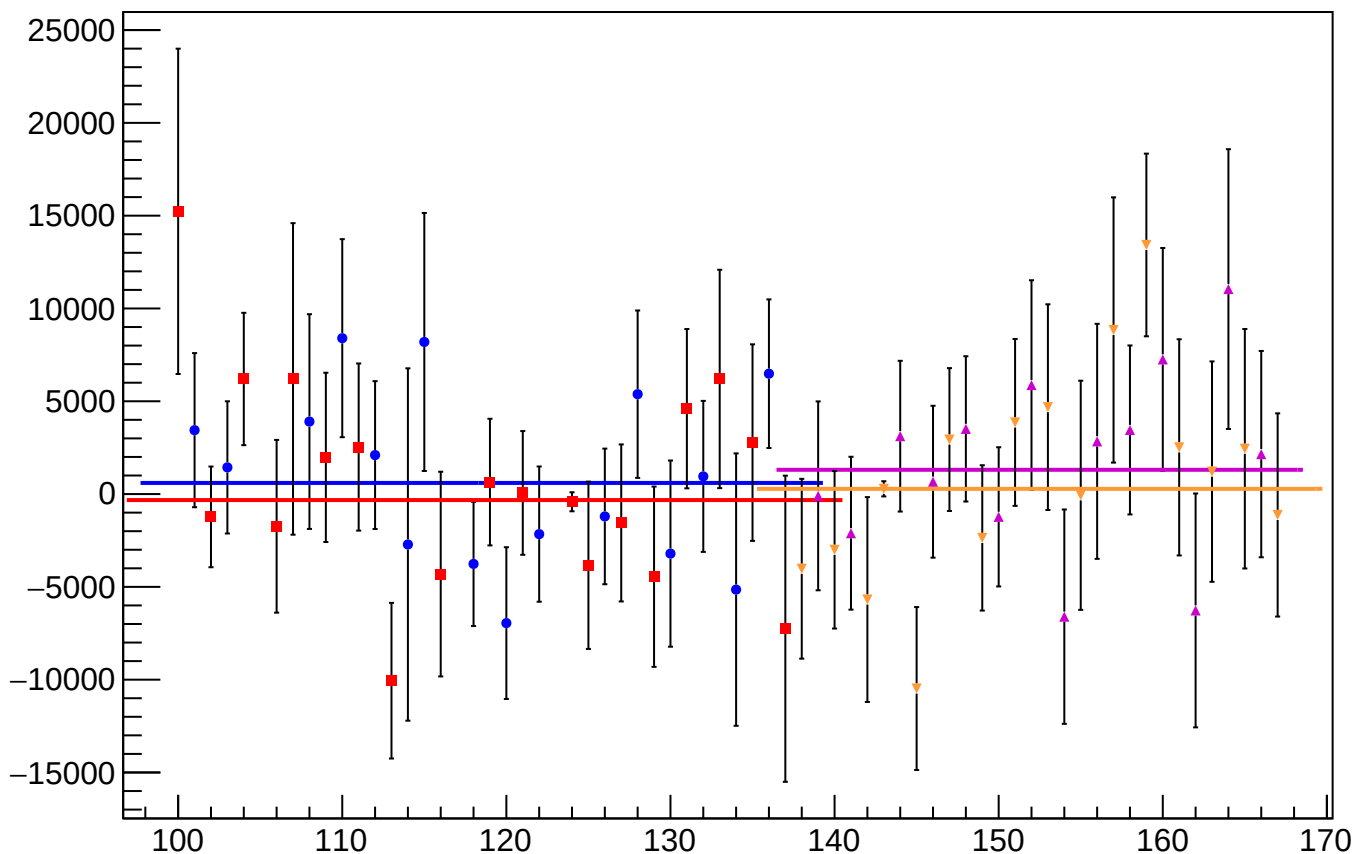
Left In: 1889.051+/-0.393 χ^2/NDF : 14460.5/13

+ sign 1849.675+/-0.297 χ^2/NDF : 985499.6/31

All: 1839.191+/-0.211 χ^2/NDF : 1356731.3/64

- sign 1828.557+/-0.299 χ^2/NDF : 368725.5/32

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202 $\pm$ 1100.125 χ^2 /NDF: 14.9/15

Left Out: 282.972 $\pm$ 390.012 χ^2 /NDF:19.7/15

Right Out: -323.164 $\pm$ 458.862 χ^2 /NDF: 19.0/18

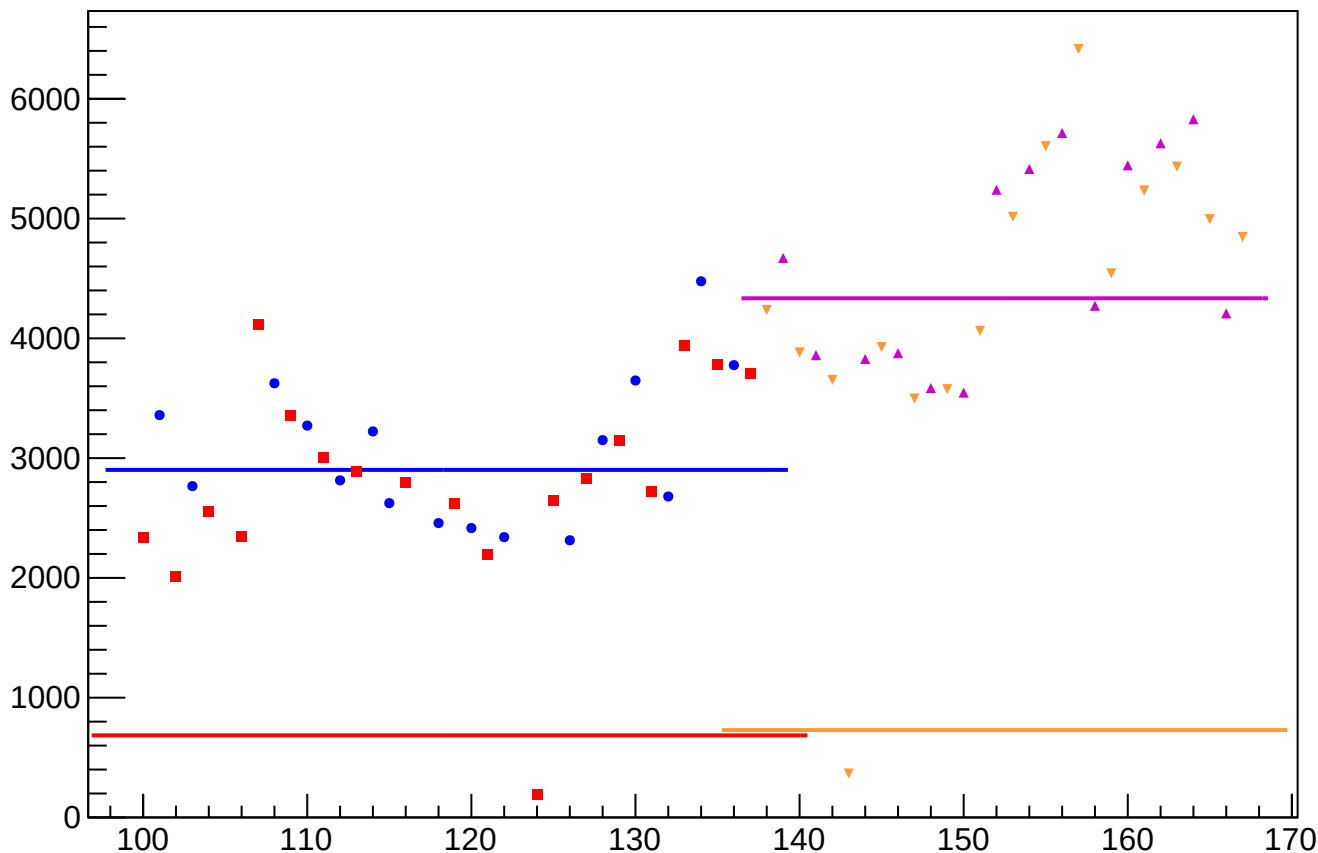
Left In: 1308.132 $\pm$ 1299.818 χ^2 /NDF:8.7/13

+ sign 318.390 $\pm$ 367.595 χ^2 /NDF: 34.6/31

All: 125.233 $\pm$ 280.147 χ^2 /NDF: 64.4/64

- sign -142.394 $\pm$ 432.692 χ^2 /NDF: 29.1/32

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF : 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF : 17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF : 10105797.4/18

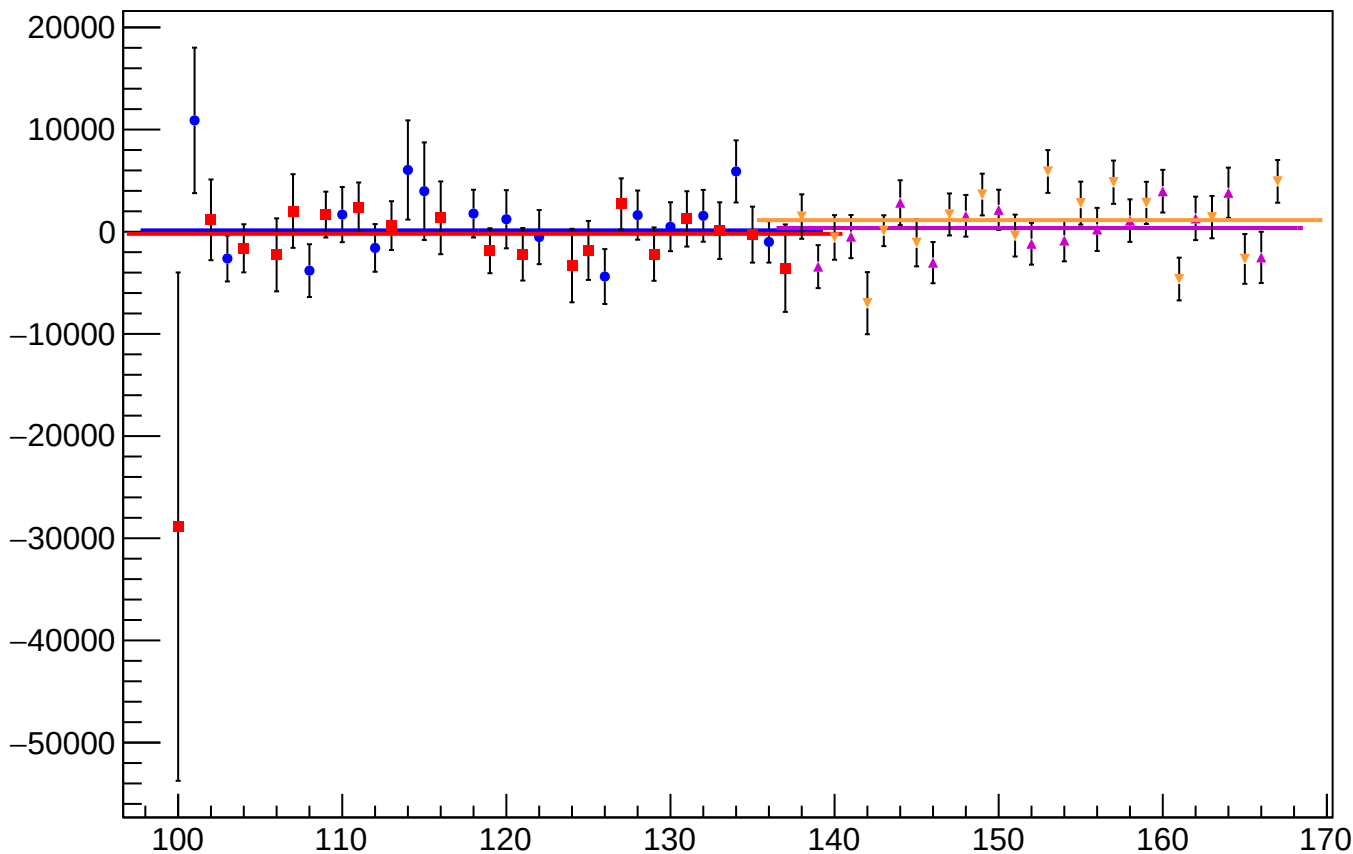
Left In: 4334.344+/-0.919 χ^2/NDF : 702521.2/13

+ sign 972.021+/-0.260 χ^2/NDF : 25315269.1/31

All: 1021.319+/-0.198 χ^2/NDF : 50225463.0/6

- sign 1089.625+/-0.306 χ^2/NDF : 24824381.9/32

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838 $\pm$ 671.621 χ^2 /NDF: 17.3/15

Left Out: 1139.128 $\pm$ 524.170 χ^2 /NDF: 34.1/15

Right Out: -205.424 $\pm$ 654.444 χ^2 /NDF: 9.7/18

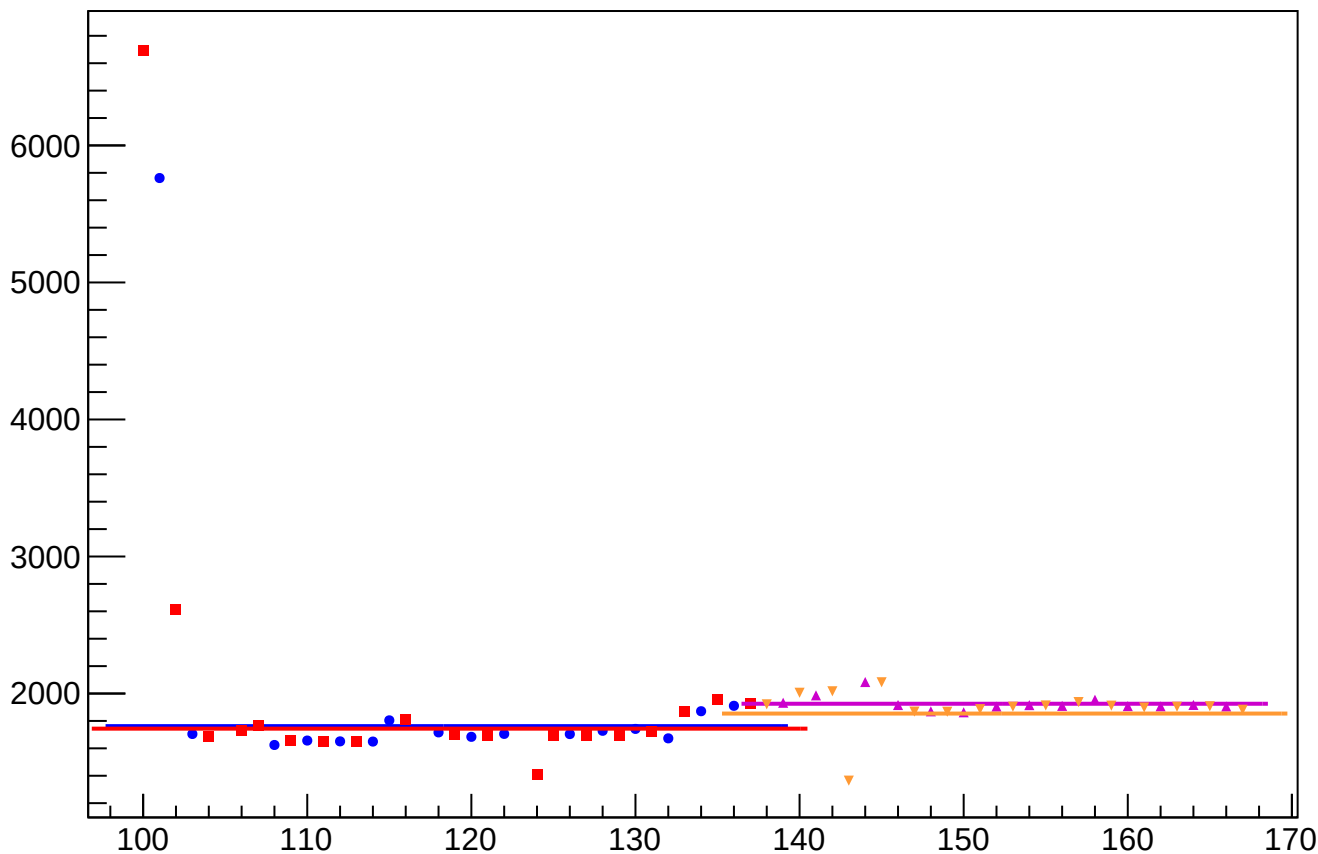
Left In: 367.922 $\pm$ 566.848 χ^2 /NDF: 16.1/13

+ sign 758.587 $\pm$ 413.218 χ^2 /NDF: 52.8/31

All: 451.903 $\pm$ 297.435 χ^2 /NDF: 80.3/64

- sign 122.162 $\pm$ 428.470 χ^2 /NDF: 26.3/32

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 ± 0.475 χ^2/NDF : 667696.6/15

Left Out: 1853.820 ± 0.371 χ^2/NDF : 258539.5/15

Right Out: 1743.723 ± 0.461 χ^2/NDF : 227762.1/18

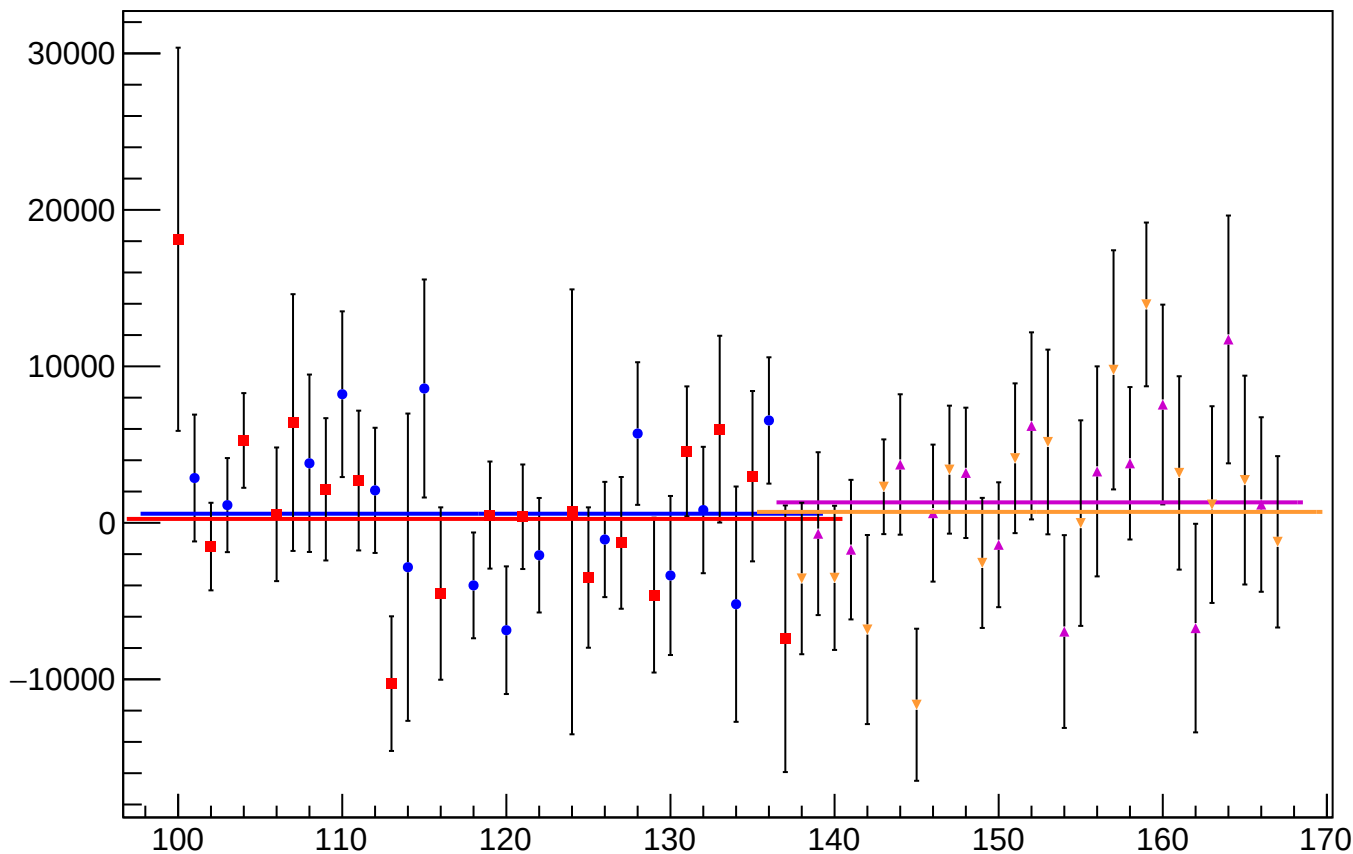
Left In: 1925.427 ± 0.401 χ^2/NDF : 16846.5/13

+ sign 1819.082 ± 0.292 χ^2/NDF : 949440.8/31

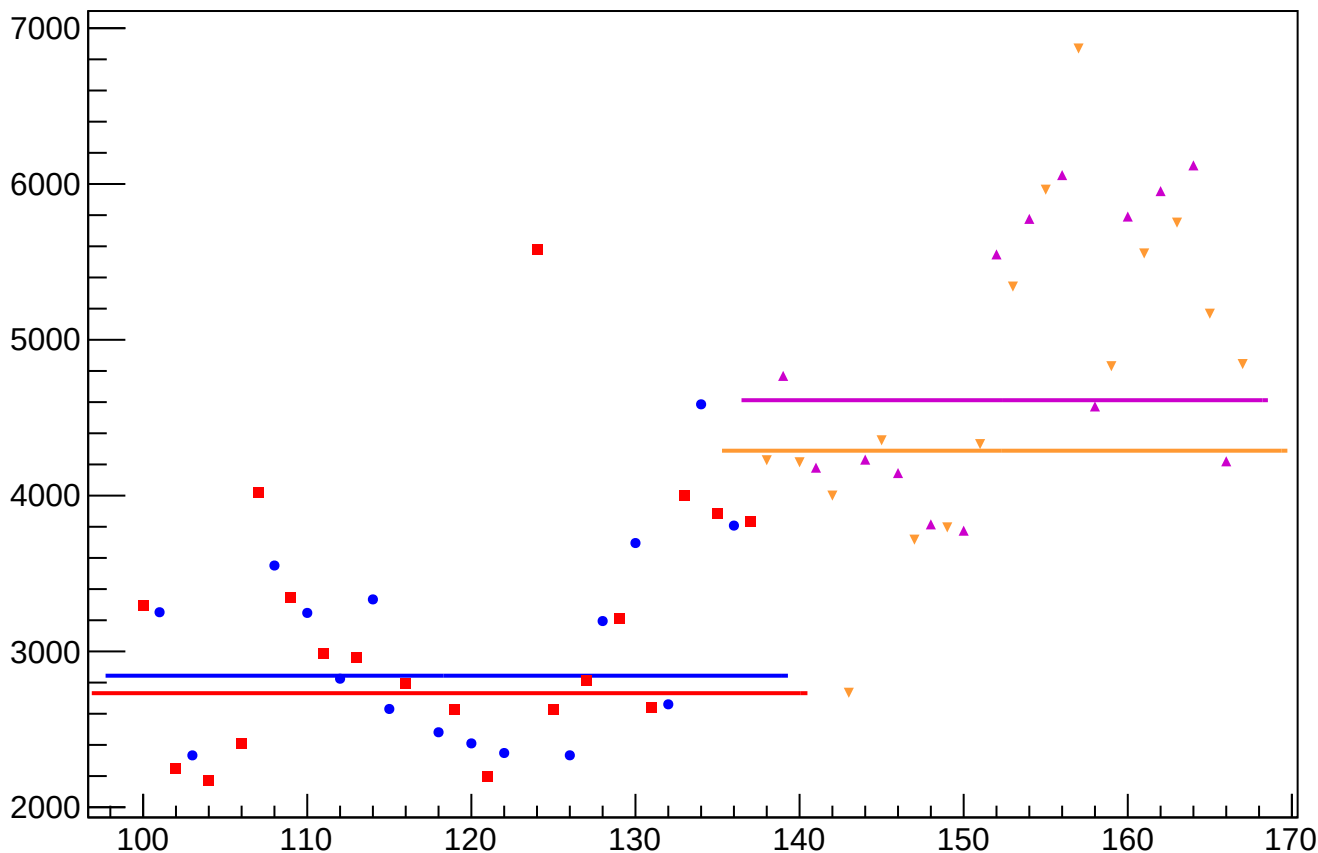
All: 1832.690 ± 0.210 χ^2/NDF : 1286924.2/64

- sign 1847.284 ± 0.303 χ^2/NDF : 332988.2/32

asym_atr1l2_dd_dit_correction_mean vs Slug



asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153 ± 0.765 χ^2/NDF : 542032.5/15

Left Out: 4288.230 ± 0.882 χ^2/NDF : 1291067.1/15

Right Out: 2731.978 ± 0.722 χ^2/NDF : 611275.1/18

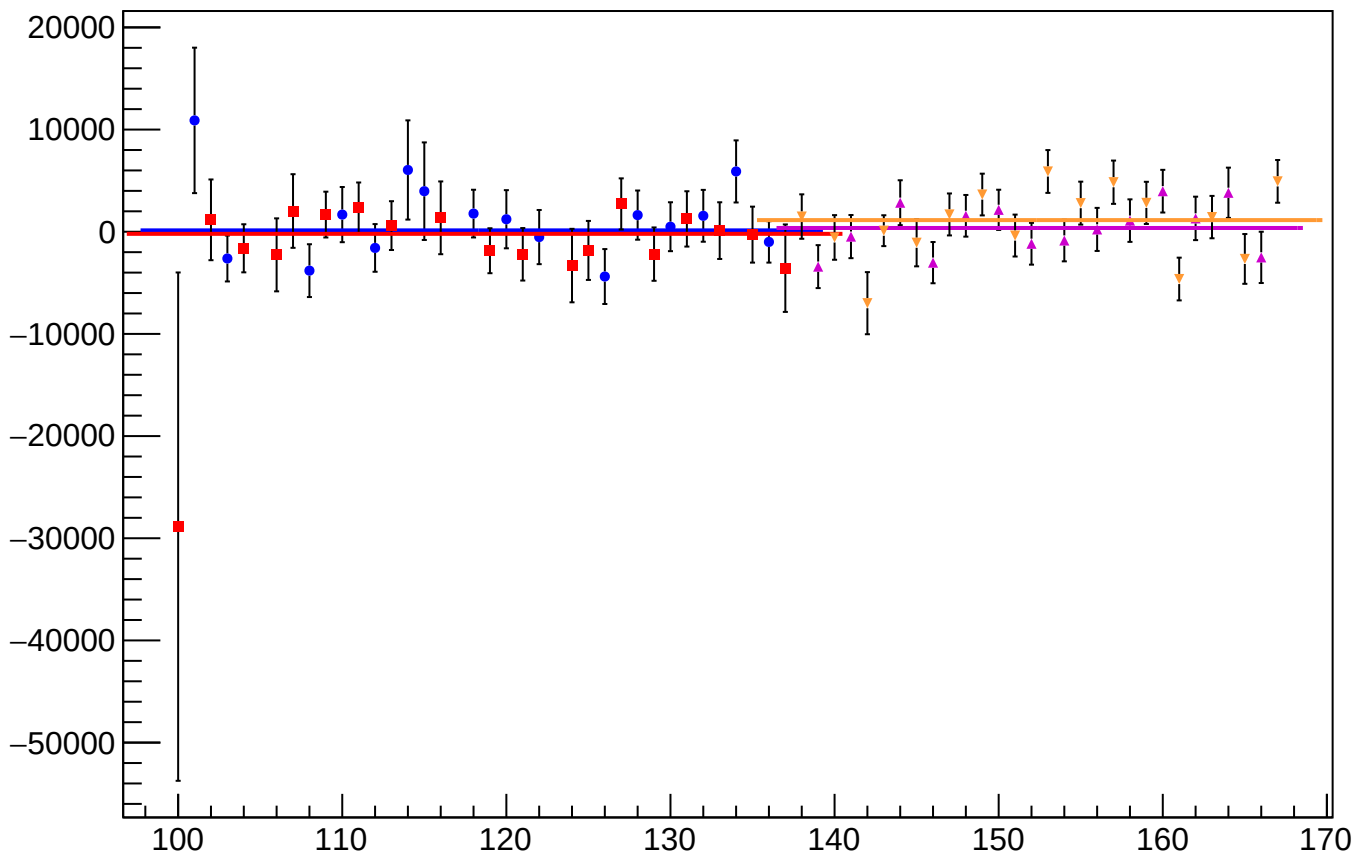
Left In: 4612.303 ± 0.977 χ^2/NDF : 664040.1/13

+ sign 3463.936 ± 0.578 χ^2/NDF : 3363562.8/31

All: 3429.988 ± 0.410 χ^2/NDF : 7040130.1/64

- sign 3395.690 ± 0.581 χ^2/NDF : 3669626.5/32

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837 ± 671.621 χ^2/NDF : 17.3/15

Left Out: 1139.130 ± 524.170 χ^2/NDF : 34.1/15

Right Out: -205.422 ± 654.444 χ^2/NDF : 9.7/18

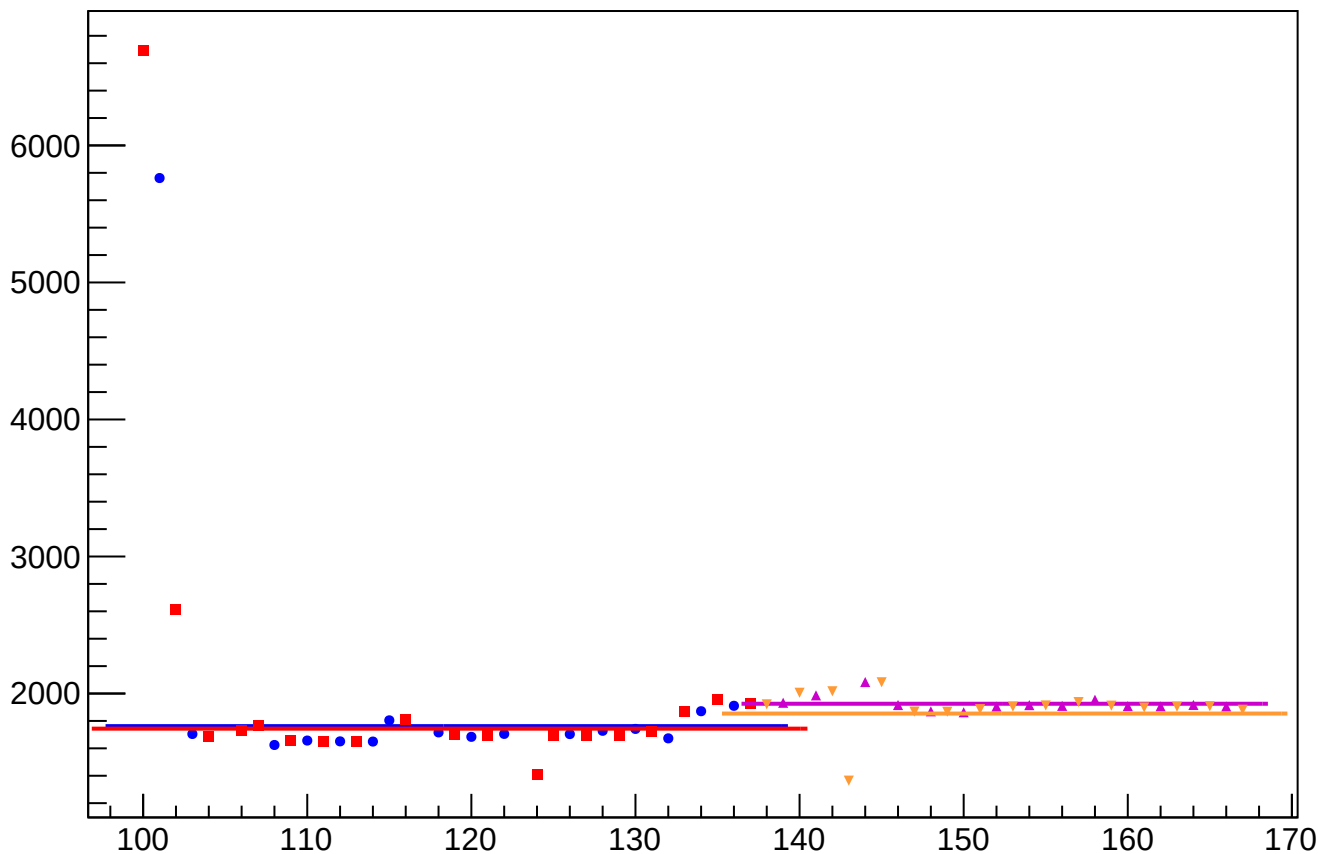
Left In: 367.924 ± 566.848 χ^2/NDF : 16.1/13

+ sign 758.587 ± 413.218 χ^2/NDF : 52.8/31

All: 451.904 ± 297.435 χ^2/NDF : 80.3/64

- sign 122.164 ± 428.470 χ^2/NDF : 26.3/32

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2 /NDF: 667696.6/15

Left Out: 1853.821 $\pm$ 0.371 χ^2 /NDF: 258540.8/15

Right Out: 1743.723 $\pm$ 0.461 χ^2 /NDF: 227762.1/18

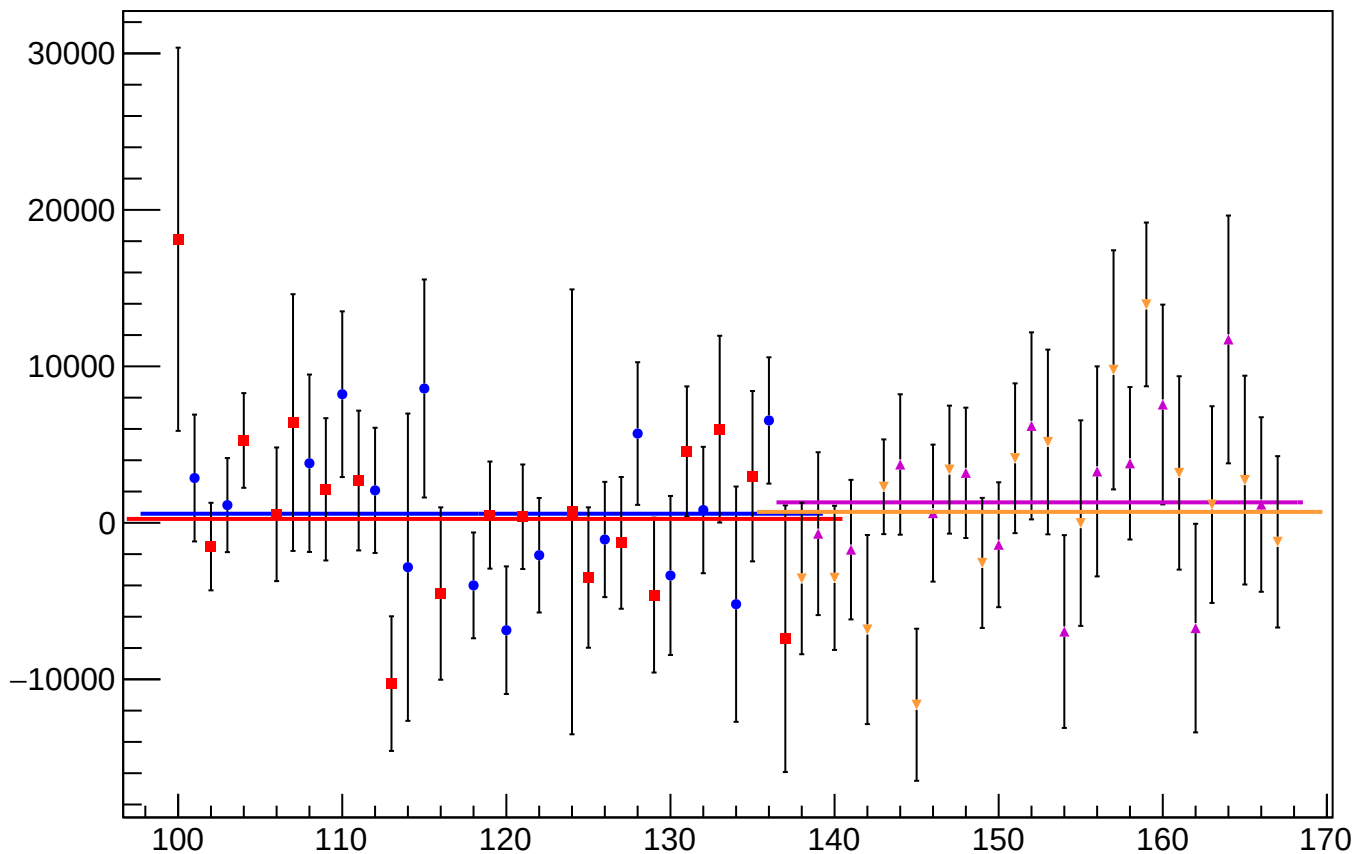
Left In: 1925.428 $\pm$ 0.401 χ^2 /NDF: 16846.6/13

+ sign 1819.083 $\pm$ 0.292 χ^2 /NDF: 949442.5/31

All: 1832.690 $\pm$ 0.210 χ^2 /NDF: 1286927.1/64

- sign 1847.285 $\pm$ 0.303 χ^2 /NDF: 332989.4/32

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219 $\pm$ 1081.478 χ^2 /NDF: 14.9/15

Left Out: 699.171 $\pm$ 1247.212 χ^2 /NDF: 20.2/15

Right Out: 250.225 $\pm$ 1021.010 χ^2 /NDF: 17.9/18

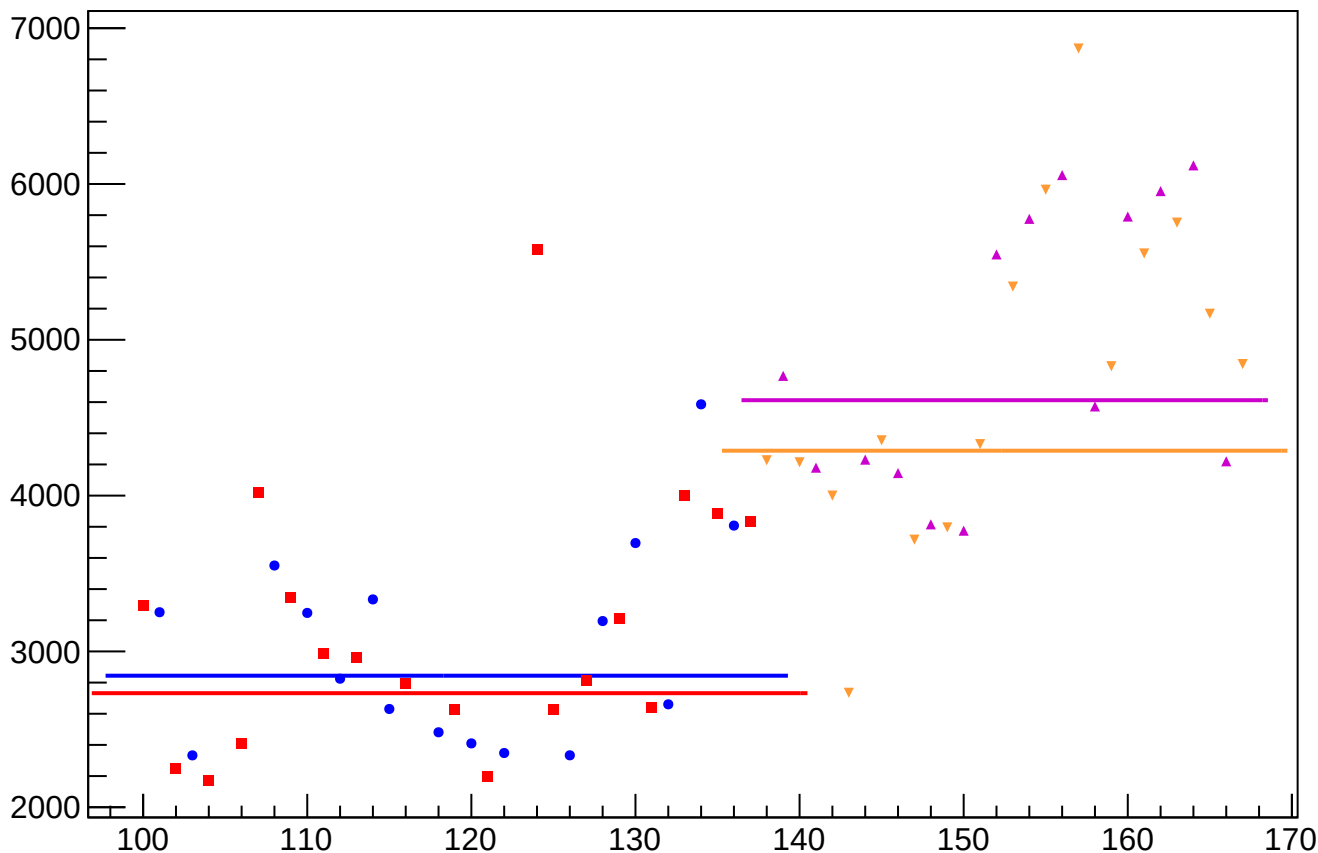
Left In: 1308.539 $\pm$ 1382.350 χ^2 /NDF: 8.5/13

+ sign 632.413 $\pm$ 817.079 χ^2 /NDF: 35.1/31

All: 628.121 $\pm$ 579.241 χ^2 /NDF: 62.0/64

- sign 623.784 $\pm$ 821.278 χ^2 /NDF: 26.8/32

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145 $\pm$ 0.765 χ^2/NDF : 542036.2/15

Left Out: 4288.235 $\pm$ 0.882 χ^2/NDF : 1291073.5/15

Right Out: 2731.972 $\pm$ 0.722 χ^2/NDF : 611272.5/18

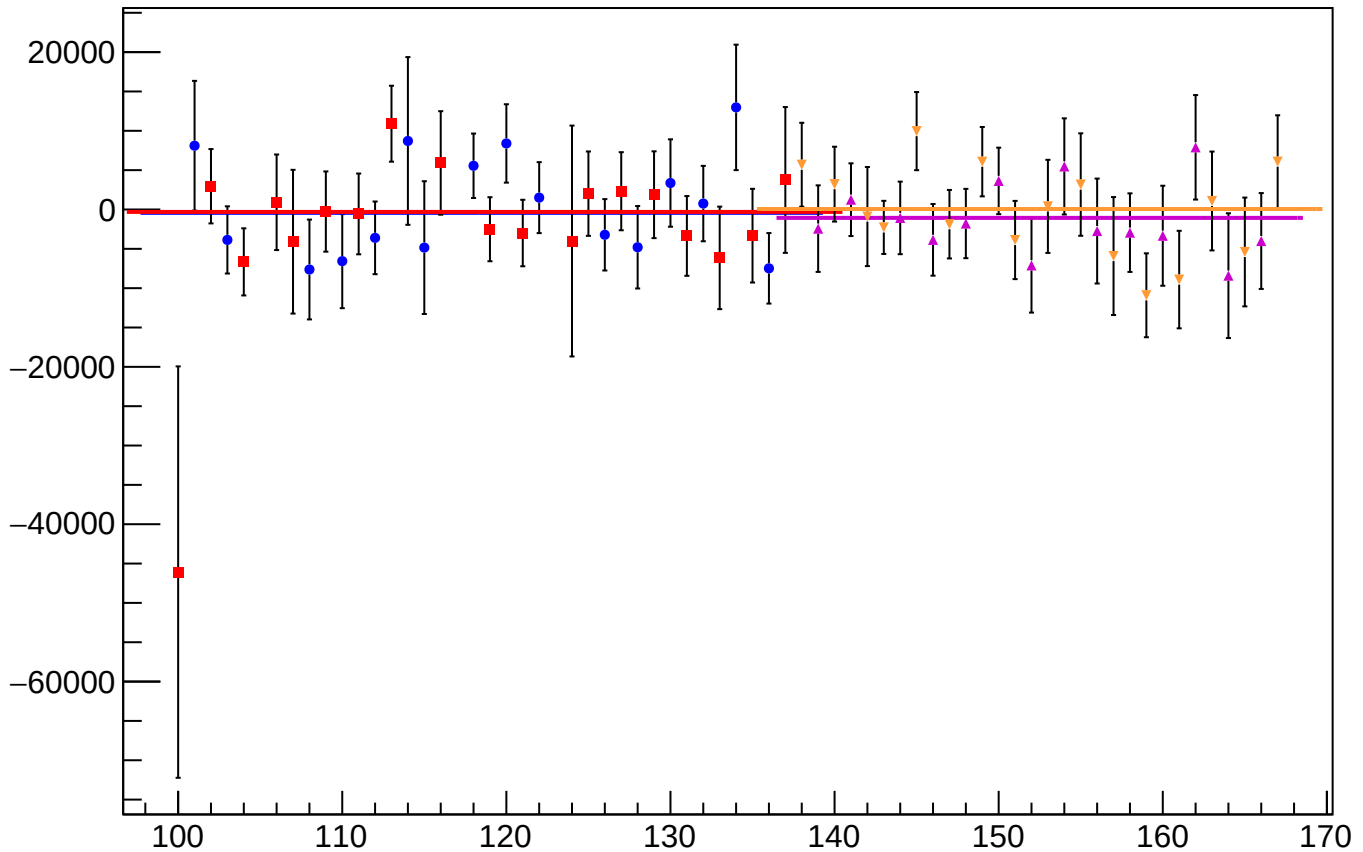
Left In: 4612.309 $\pm$ 0.977 χ^2/NDF : 664042.7/13

+ sign 3463.931 $\pm$ 0.578 χ^2/NDF : 3363600.8/31

All: 3429.983 $\pm$ 0.410 χ^2/NDF : 7040197.7/64

- sign 3395.685 $\pm$ 0.581 χ^2/NDF : 3669656.2/32

asym_atr1l2_dd_mean vs Slug



Right In: -423.131 ± 1327.258 χ^2/NDF : 17.9/15

Left Out: 61.634 ± 1308.772 χ^2/NDF : 17.6/15

Right Out: -307.823 ± 1275.718 χ^2/NDF : 15.3/18

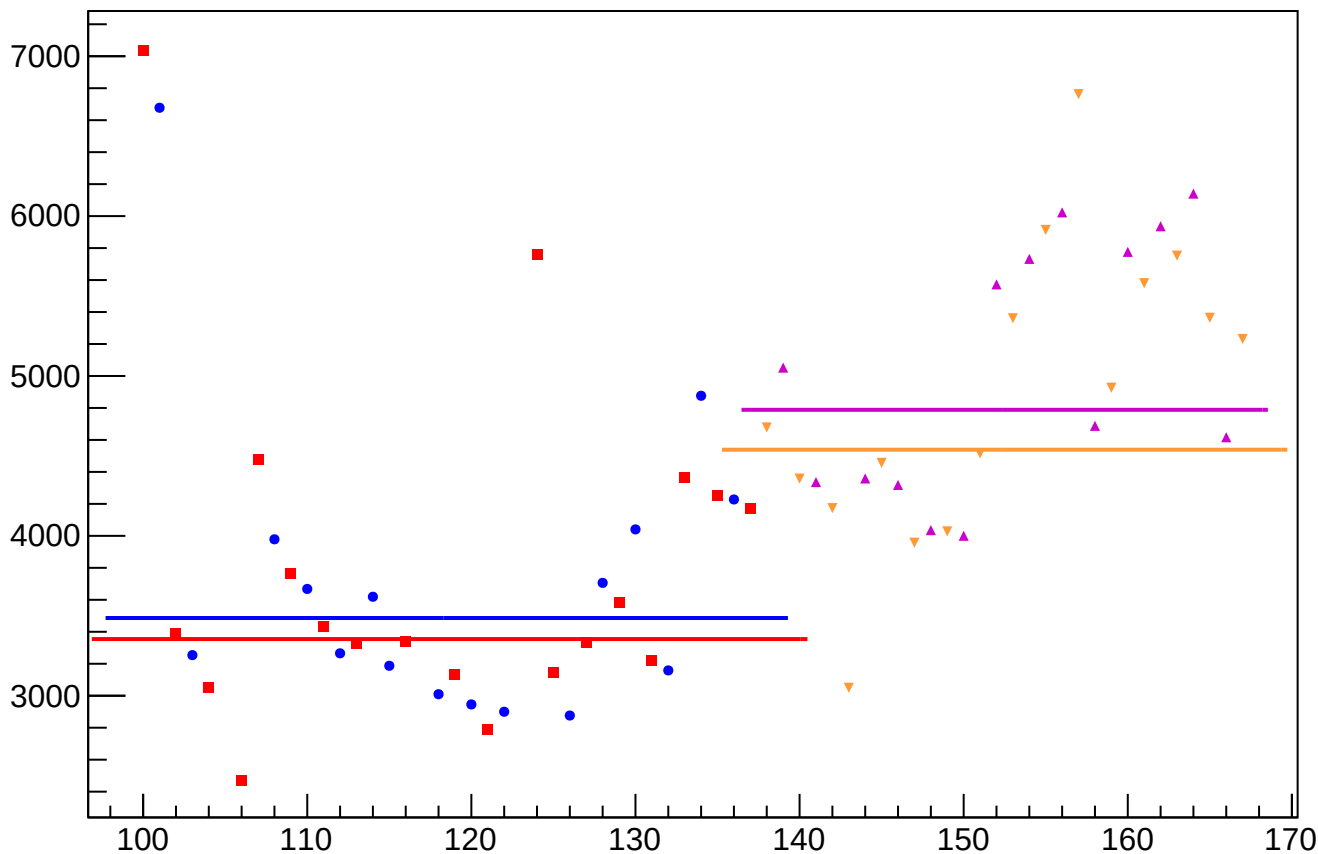
Left In: -1065.837 ± 1428.490 χ^2/NDF : 7.4/13

+ sign -177.349 ± 931.909 χ^2/NDF : 35.6/31

All: -405.888 ± 665.782 χ^2/NDF : 58.5/64

- sign -644.143 ± 951.513 χ^2/NDF : 22.8/32

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF : 595790.9/15

Left Out: 4538.827+/-0.925 χ^2/NDF : 964990.4/15

Right Out: 3354.426+/-0.889 χ^2/NDF : 376426.3/18

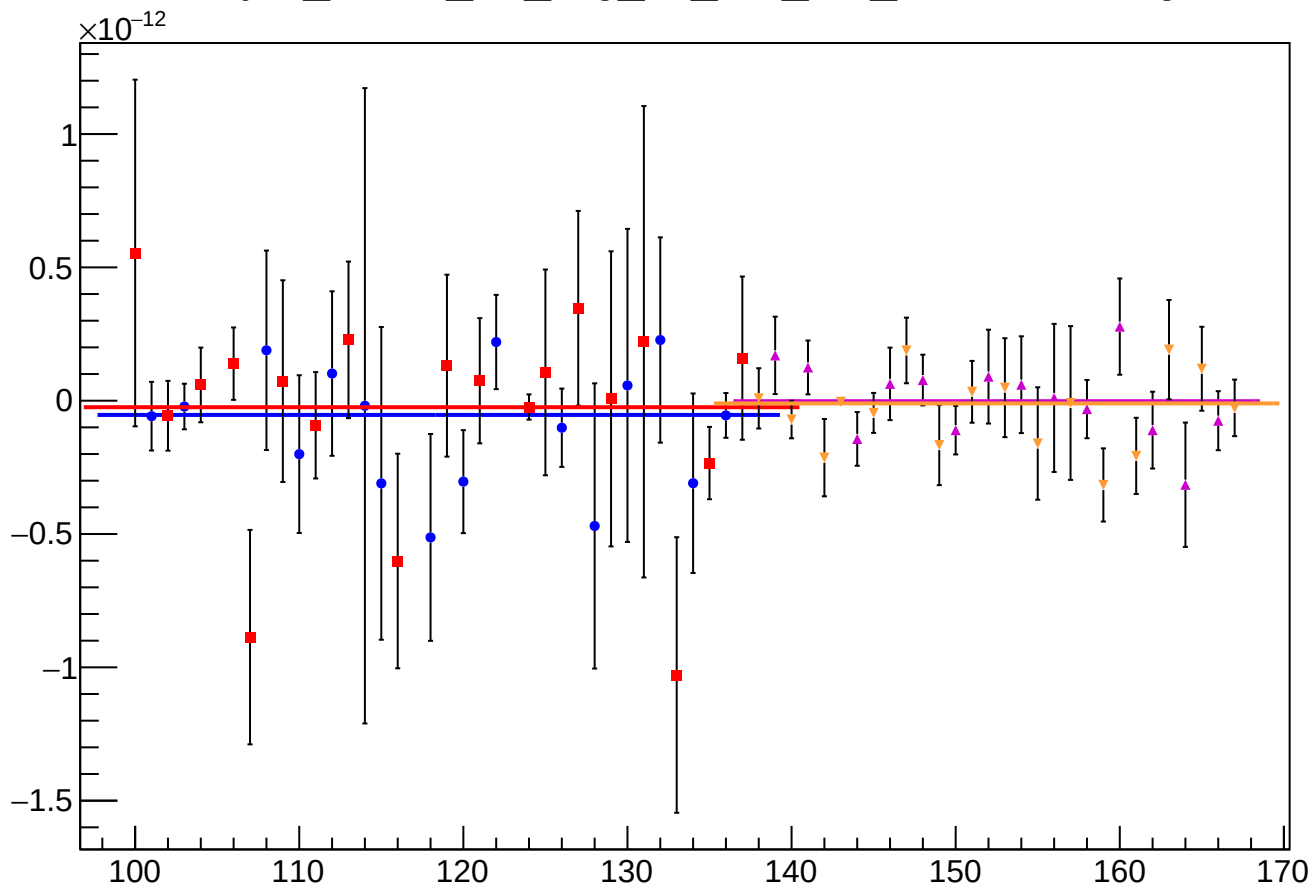
Left In: 4788.464+/-1.010 χ^2/NDF : 509462.1/13

+ sign 4019.878+/-0.659 χ^2/NDF : 2198626.3/31

All: 4000.575+/-0.469 χ^2/NDF : 4221486.9/64

- sign 3980.766+/-0.668 χ^2/NDF : 2021122.0/32

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 : 16.3/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

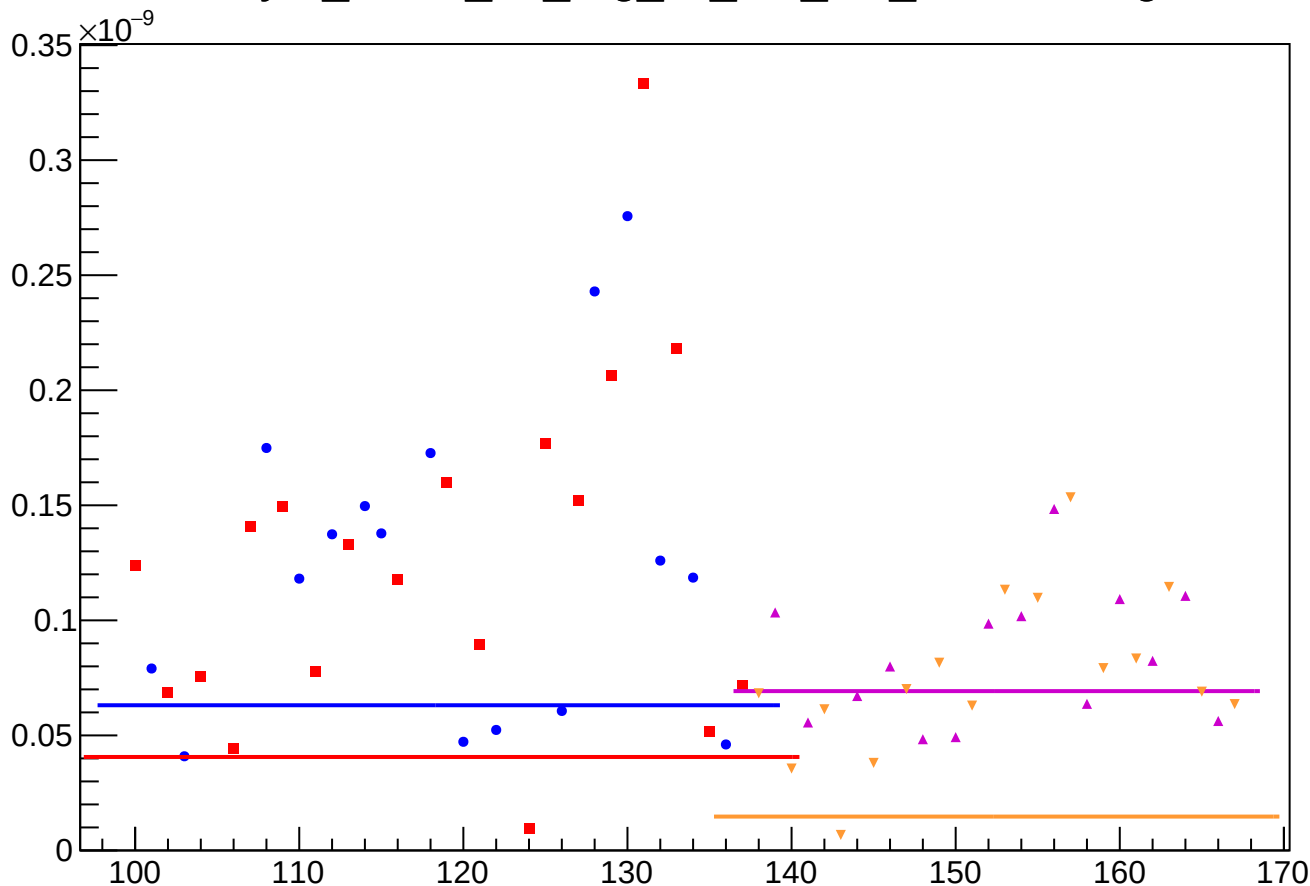
Left In: -0.000 ± 0.000 χ^2/NDF : 13.0/13

+ sign -0.000 ± 0.000 χ^2/NDF : 25.8/31

All: -0.000 ± 0.000 χ^2/NDF : 57.4/64

- sign -0.000 ± 0.000 χ^2/NDF : 31.5/32

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 : 6511533.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3172346.7/18

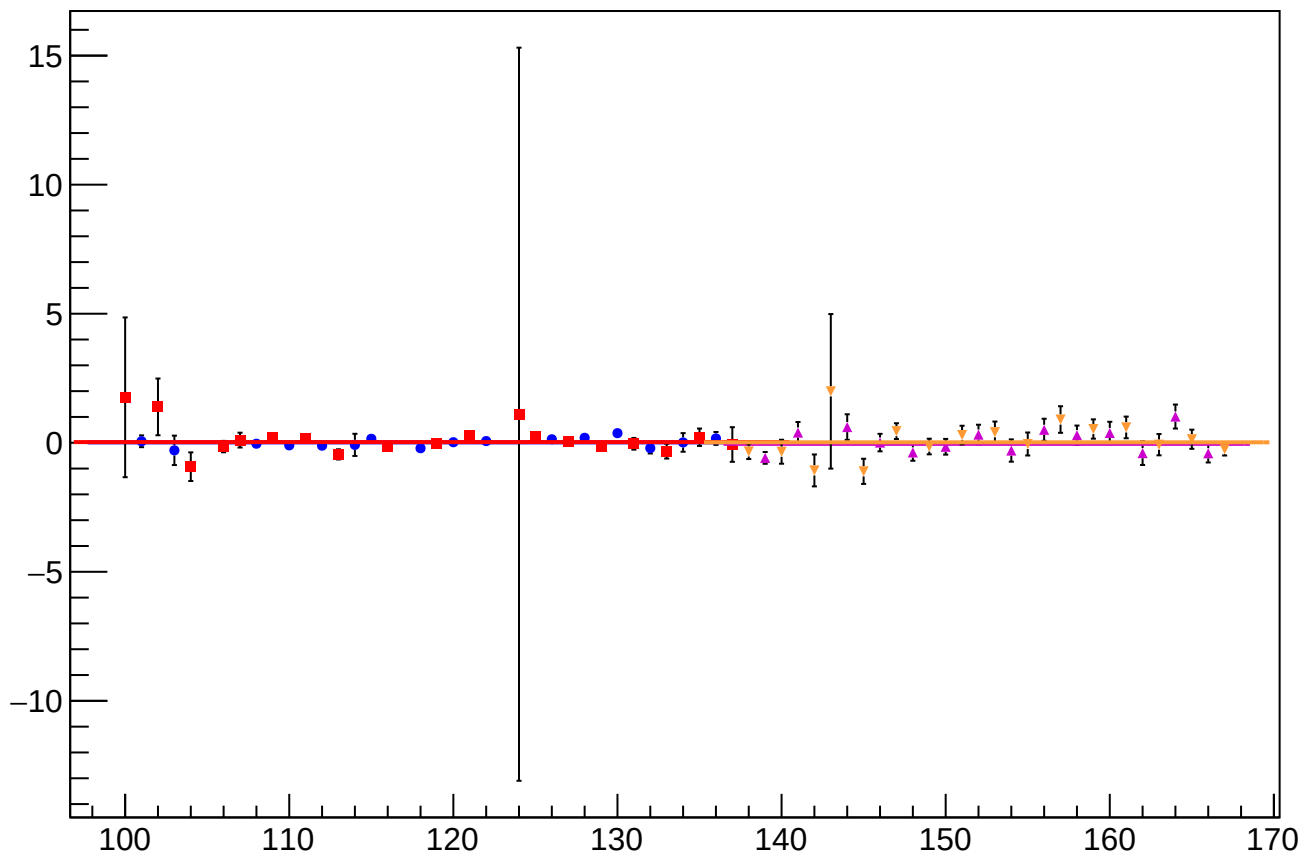
Left In: 0.000+/-0.000 χ^2/NDF : 846952.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 10152341.8/31

All: 0.000+/-0.000 χ^2/NDF : 18691974.1/64

- sign 0.000+/-0.000 χ^2/NDF : 4693698.1/32

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.048 χ^2/NDF : 11.8/15

Left Out: 0.017 ± 0.095 χ^2/NDF : 22.8/15

Right Out: 0.026 ± 0.047 χ^2/NDF : 22.1/18

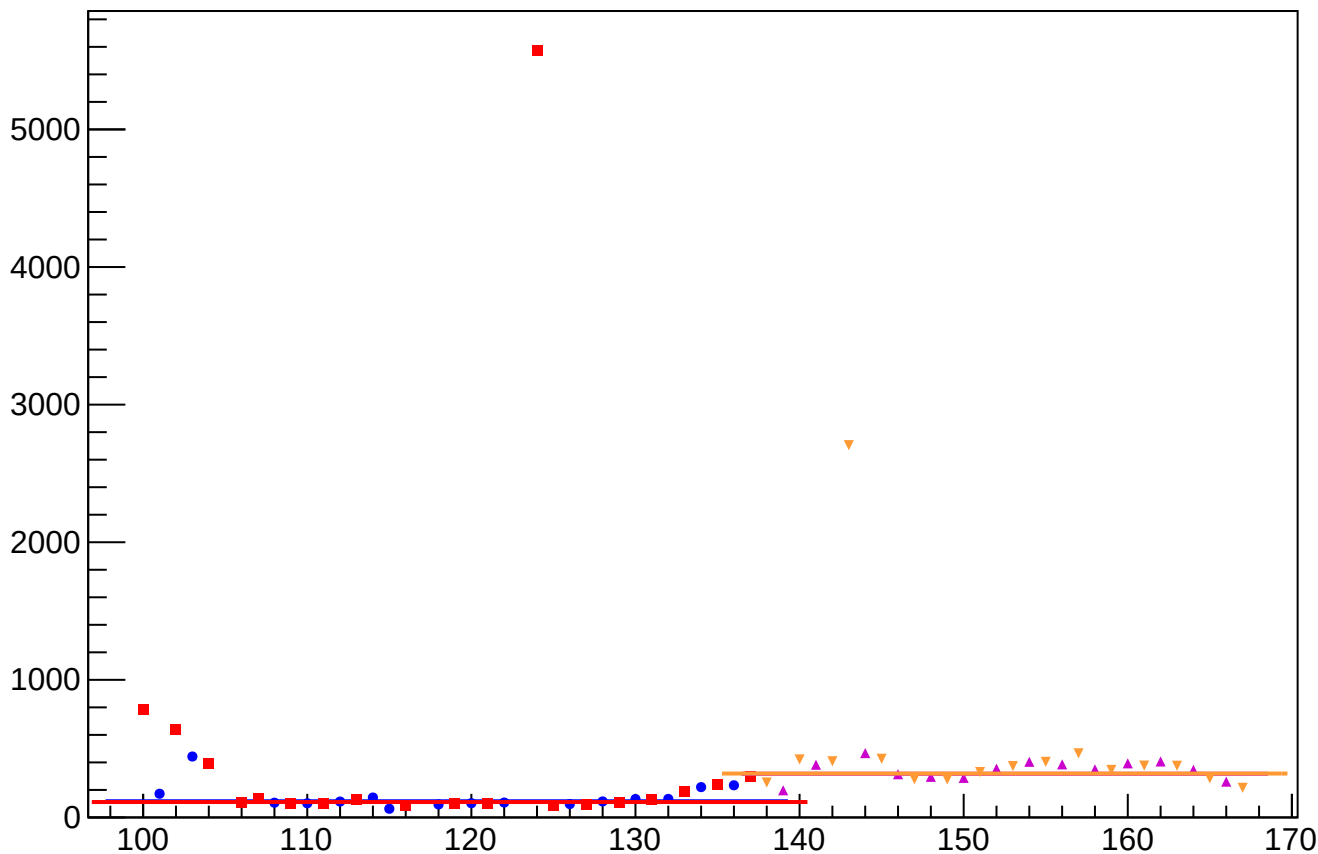
Left In: -0.043 ± 0.097 χ^2/NDF : 21.2/13

+ sign 0.016 ± 0.043 χ^2/NDF : 34.6/31

All: 0.014 ± 0.030 χ^2/NDF : 78.3/64

- sign 0.013 ± 0.042 χ^2/NDF : 43.6/32

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 ± 0.034 χ^2/NDF : 1722401.0/15

Left Out: 319.149 ± 0.067 χ^2/NDF : 2415619.6/15

Right Out: 112.124 ± 0.033 χ^2/NDF : 2186364.8/18

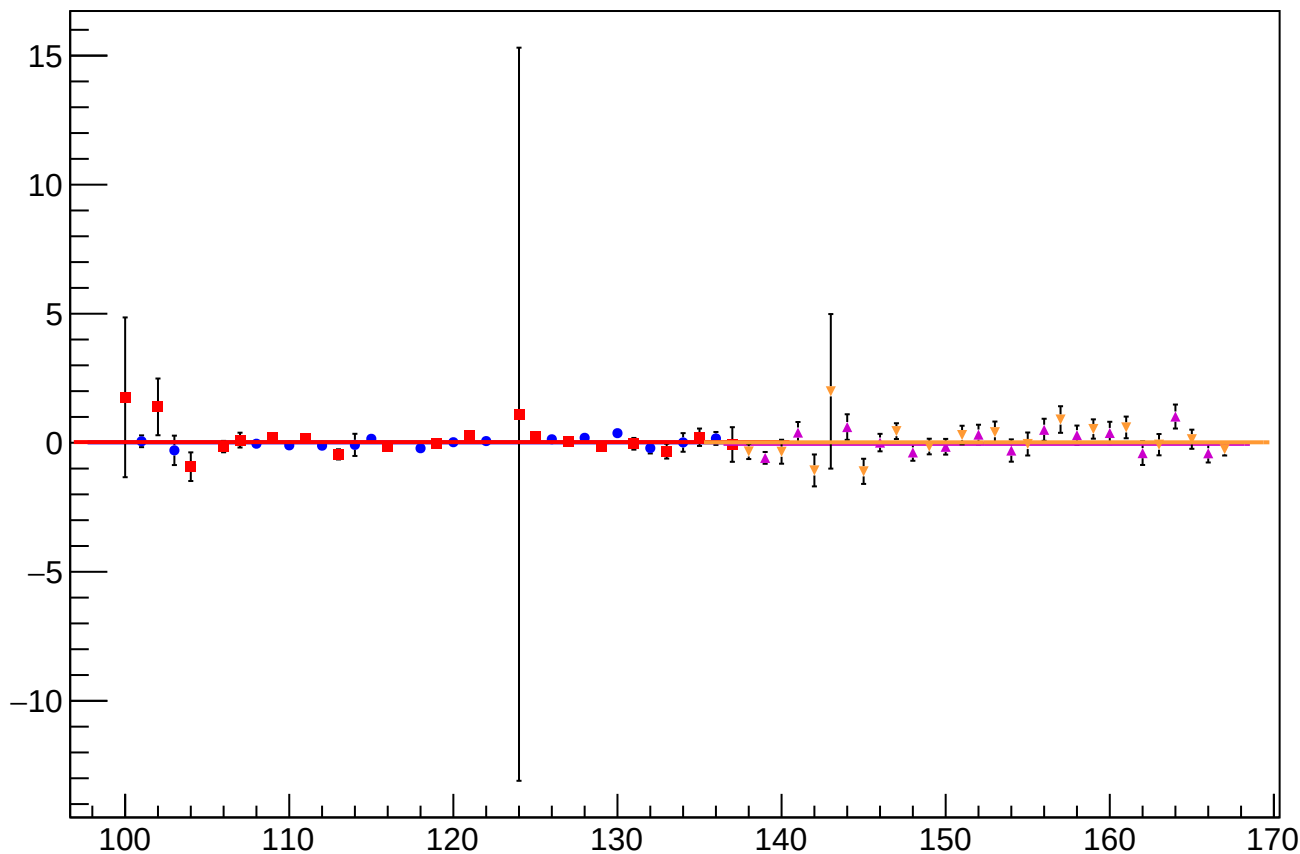
Left In: 317.358 ± 0.069 χ^2/NDF : 1177893.4/13

+ sign 158.181 ± 0.030 χ^2/NDF : 11259167.7/31

All: 154.396 ± 0.021 χ^2/NDF : 21873654.2/64

- sign 150.716 ± 0.030 χ^2/NDF : 10583647.9/32

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: 0.017 ± 0.095 χ^2/NDF : 22.8/15

Right Out: 0.026 ± 0.047 χ^2/NDF : 22.1/18

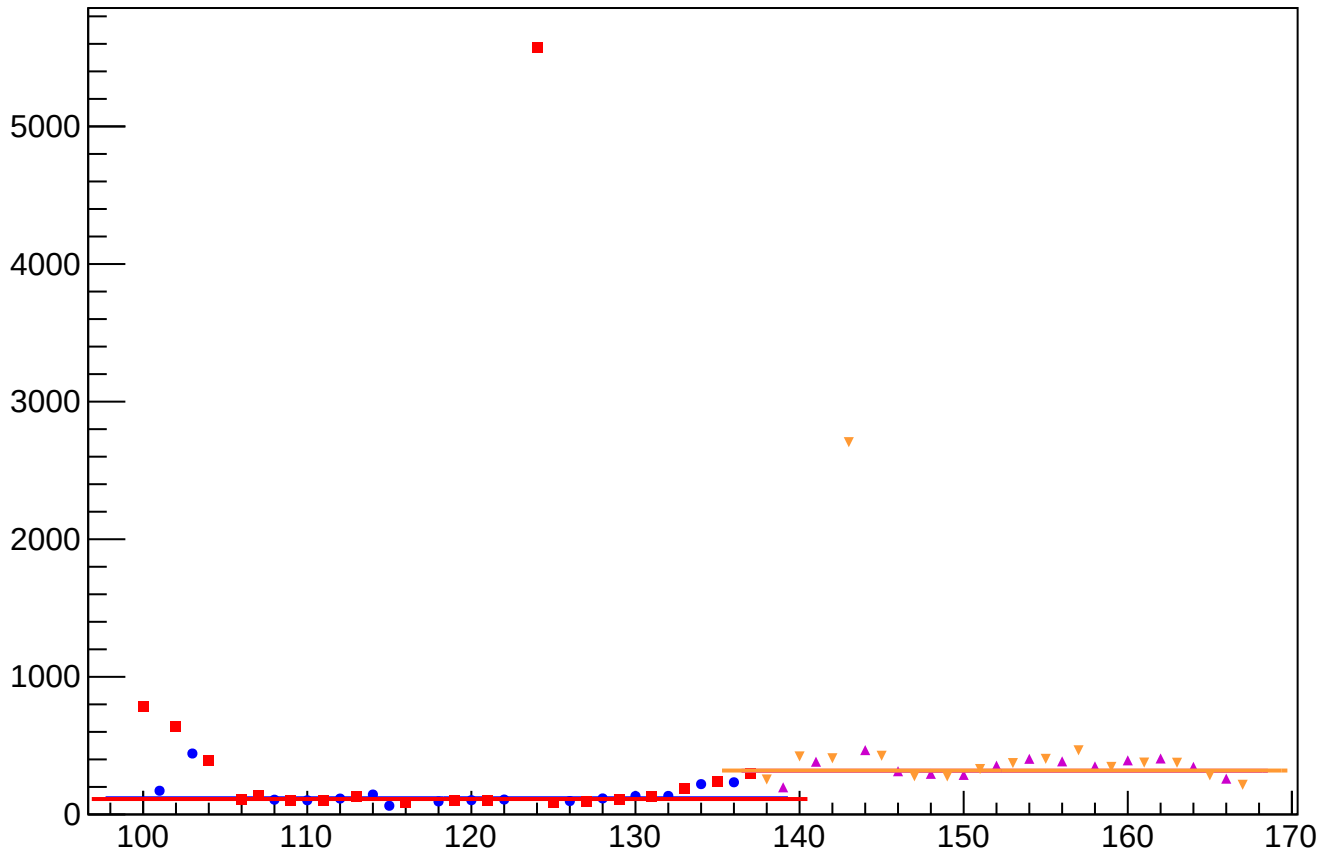
Left In: -0.043 ± 0.097 χ^2/NDF : 21.2/13

+ sign 0.016 ± 0.043 χ^2/NDF : 34.6/31

All: 0.014 ± 0.030 χ^2/NDF : 78.3/64

- sign 0.013 ± 0.042 χ^2/NDF : 43.6/32

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649 ± 0.034 χ^2/NDF : 1722401.0/15

Left Out: 319.149 ± 0.067 χ^2/NDF : 2415619.6/15

Right Out: 112.124 ± 0.033 χ^2/NDF : 2186364.8/18

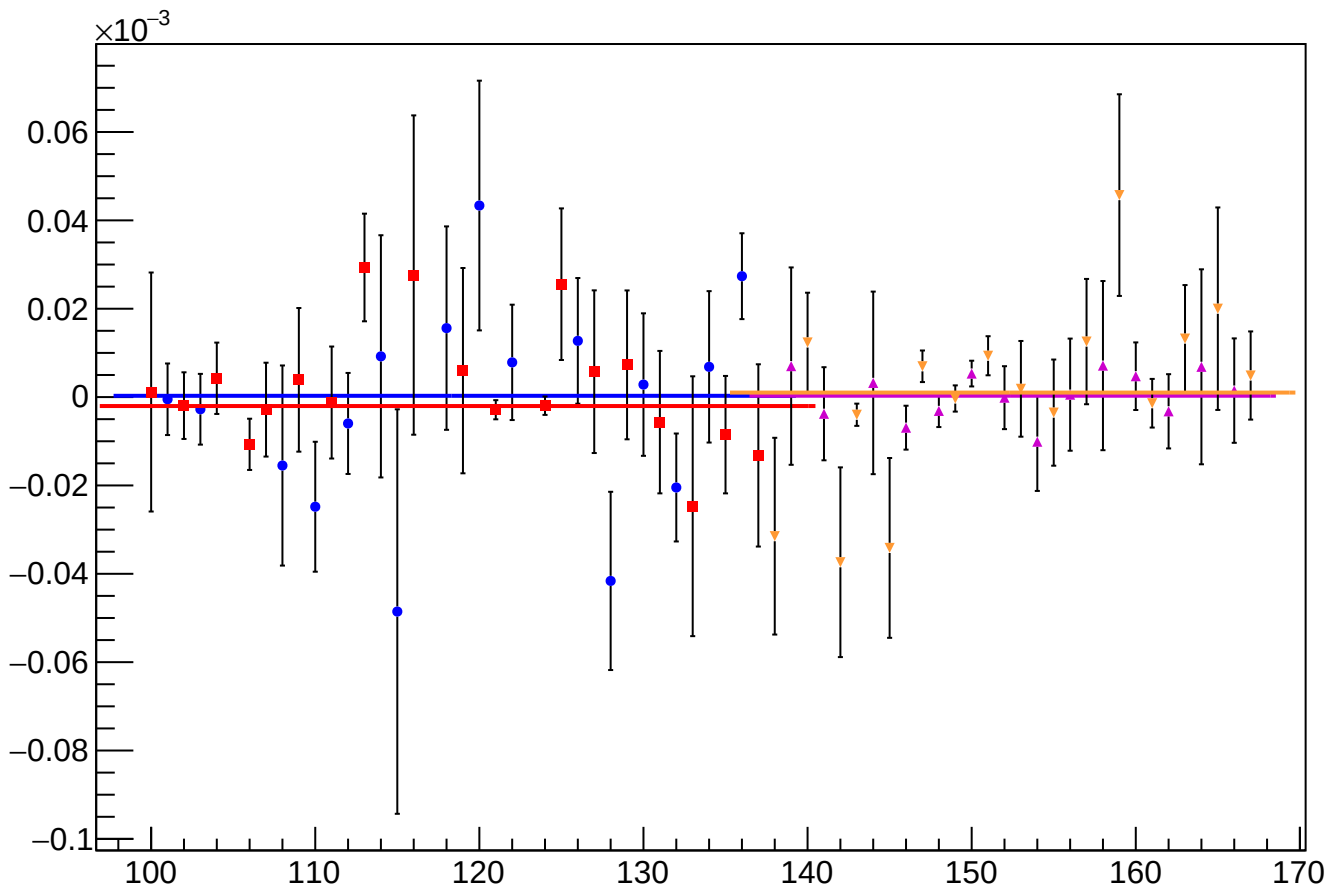
Left In: 317.358 ± 0.069 χ^2/NDF : 1177893.4/13

+ sign 158.181 ± 0.030 χ^2/NDF : 11259167.7/31

All: 154.396 ± 0.021 χ^2/NDF : 21873654.2/64

- sign 150.716 ± 0.030 χ^2/NDF : 10583647.9/32

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 24.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 26.5/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 14.8/18

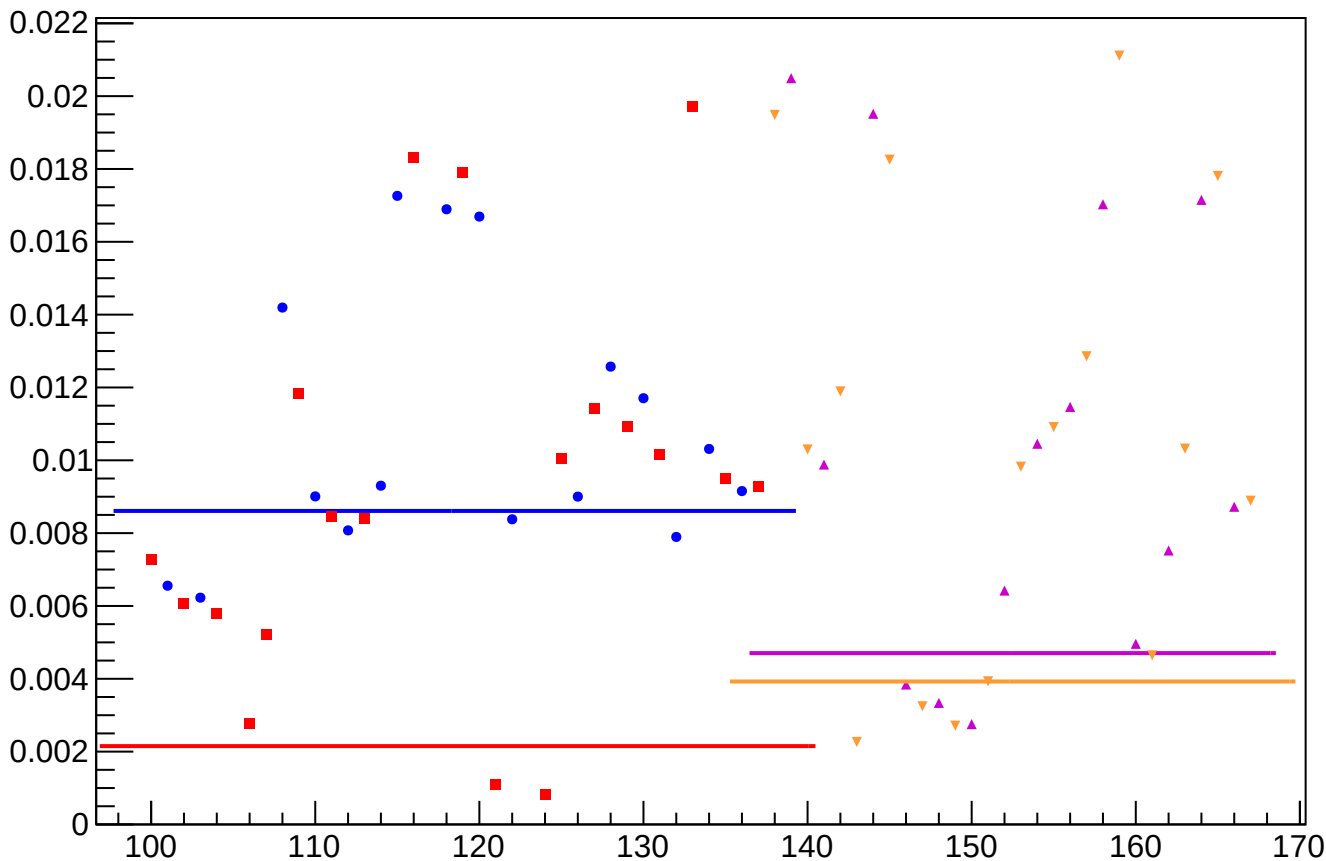
Left In: 0.000 ± 0.000 χ^2/NDF : 7.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 50.7/31

All: -0.000 ± 0.000 χ^2/NDF : 75.9/64

- sign -0.000 ± 0.000 χ^2/NDF : 23.8/32

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1114251.2/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 9178808.0/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9086978.1/18

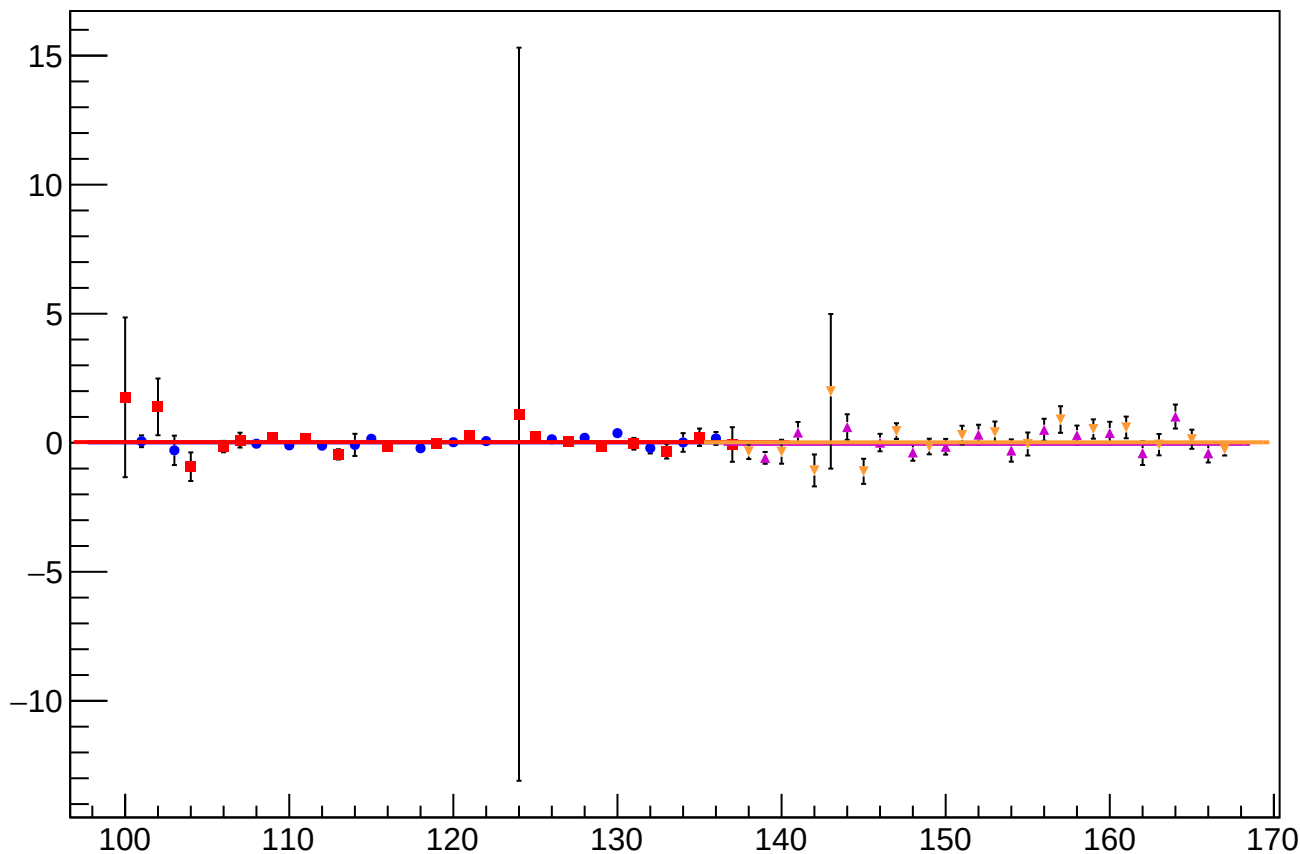
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 6886224.6/13

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 13559570.7/31

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 33887615.2/64

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 18648916.2/32

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: 0.017 $\pm$ 0.095 χ^2 /NDF: 22.8/15

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

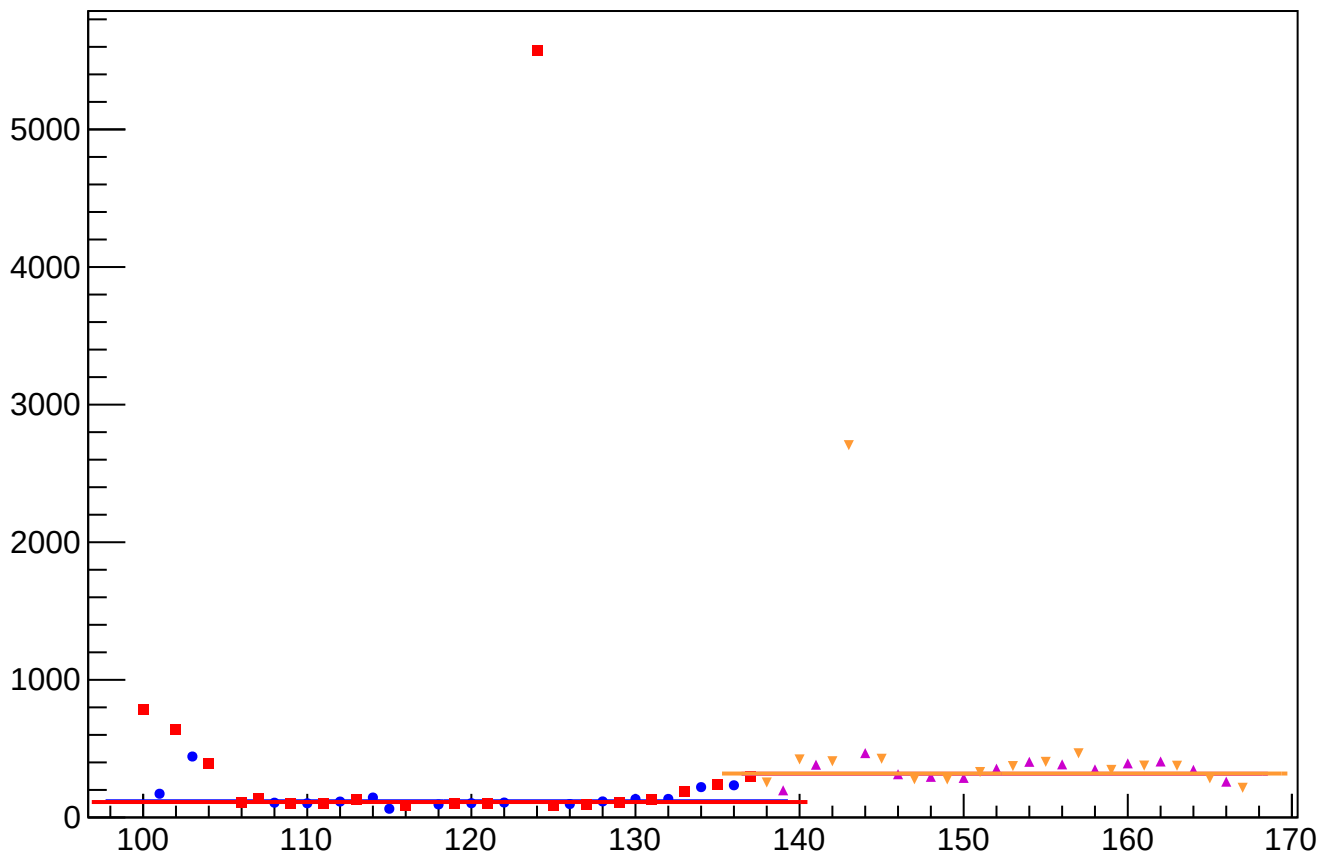
Left In: -0.043 $\pm$ 0.097 χ^2 /NDF: 21.2/13

+ sign 0.016 $\pm$ 0.043 χ^2 /NDF: 34.6/31

All: 0.014 $\pm$ 0.030 χ^2 /NDF: 78.3/64

- sign 0.013 $\pm$ 0.042 χ^2 /NDF: 43.6/32

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722367.8/15

Left Out: 319.152 $\pm$ 0.067 χ^2 /NDF: 2415682.8/15

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

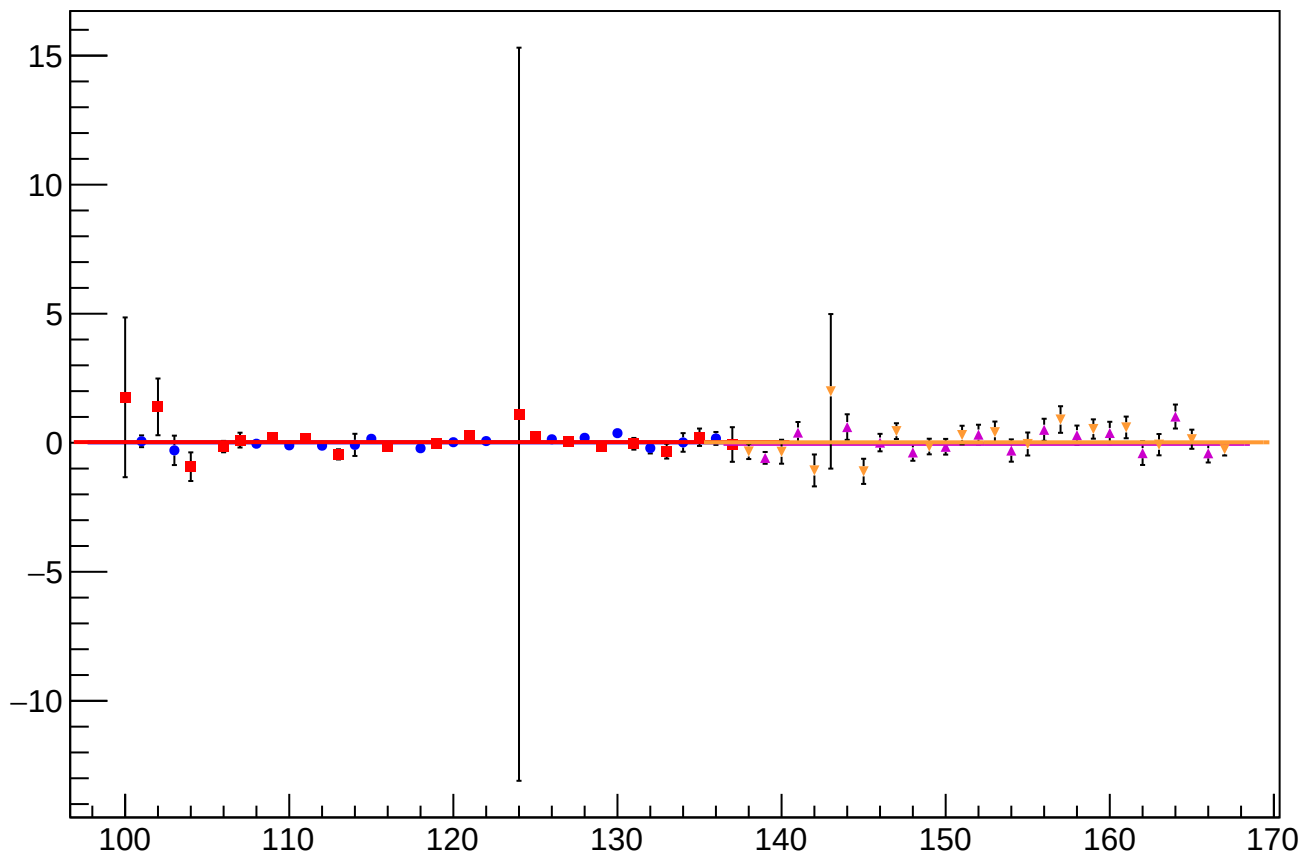
Left In: 317.362 $\pm$ 0.069 χ^2 /NDF: 1177904.9/13

+ sign 158.181 $\pm$ 0.030 χ^2 /NDF: 11259298.6/31

All: 154.397 $\pm$ 0.021 χ^2 /NDF: 21873703.7/64

- sign 150.718 $\pm$ 0.030 χ^2 /NDF: 10583583.5/32

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: 0.017 $\pm$ 0.095 χ^2 /NDF: 22.8/15

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

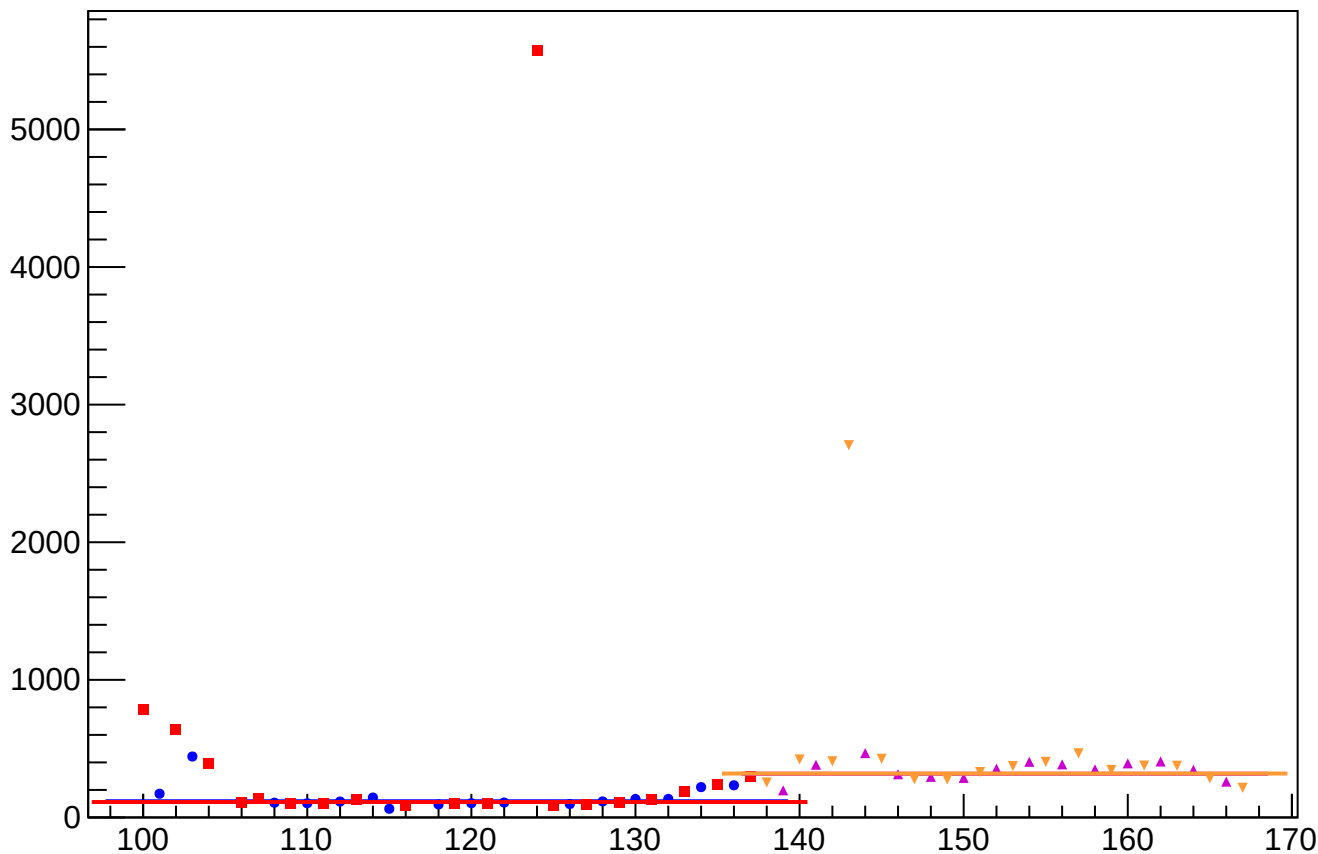
Left In: -0.043 $\pm$ 0.097 χ^2 /NDF: 21.2/13

+ sign 0.016 $\pm$ 0.043 χ^2 /NDF: 34.6/31

All: 0.014 $\pm$ 0.030 χ^2 /NDF: 78.3/64

- sign 0.013 $\pm$ 0.042 χ^2 /NDF: 43.6/32

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: 319.152 $\pm$ 0.067 χ^2 /NDF: 2415682.8/15

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

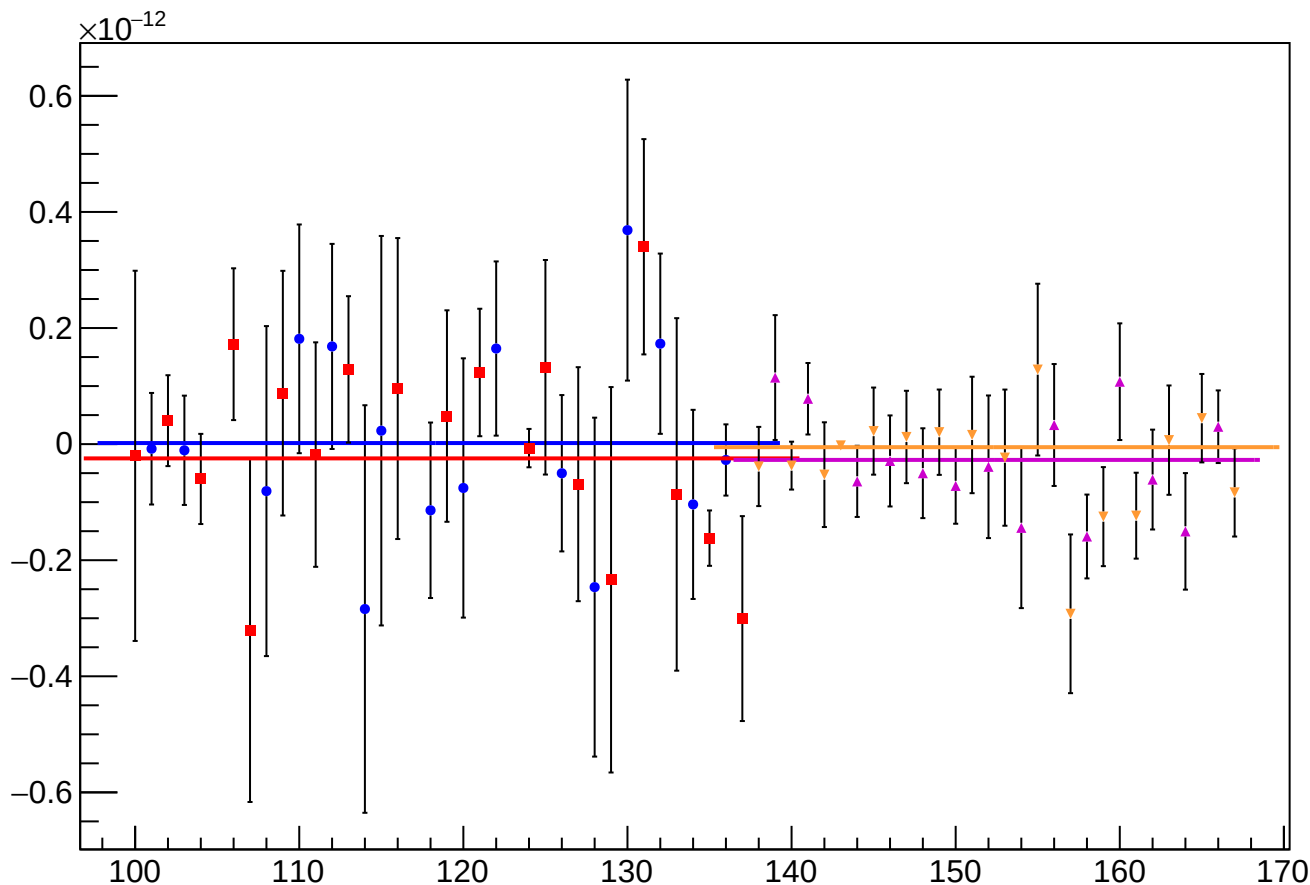
Left In: 317.362 $\pm$ 0.069 χ^2 /NDF: 1177904.9/13

+ sign 158.181 $\pm$ 0.030 χ^2 /NDF: 11259298.6/31

All: 154.397 $\pm$ 0.021 χ^2 /NDF: 21873703.7/64

- sign 150.718 $\pm$ 0.030 χ^2 /NDF: 10583583.5/32

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: 12.9/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/18

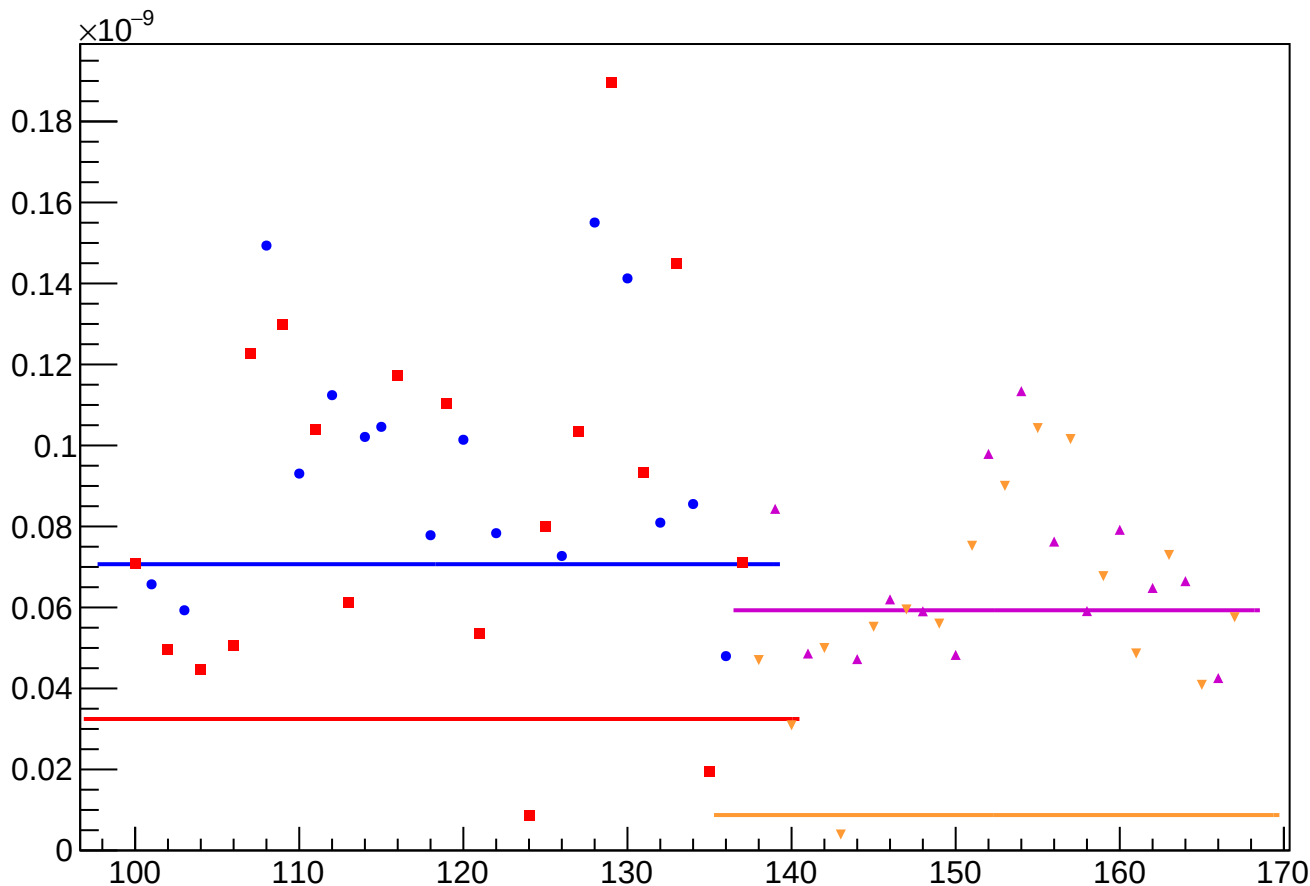
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 62.2/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.5/32

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 : 12329922.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4449161.8/18

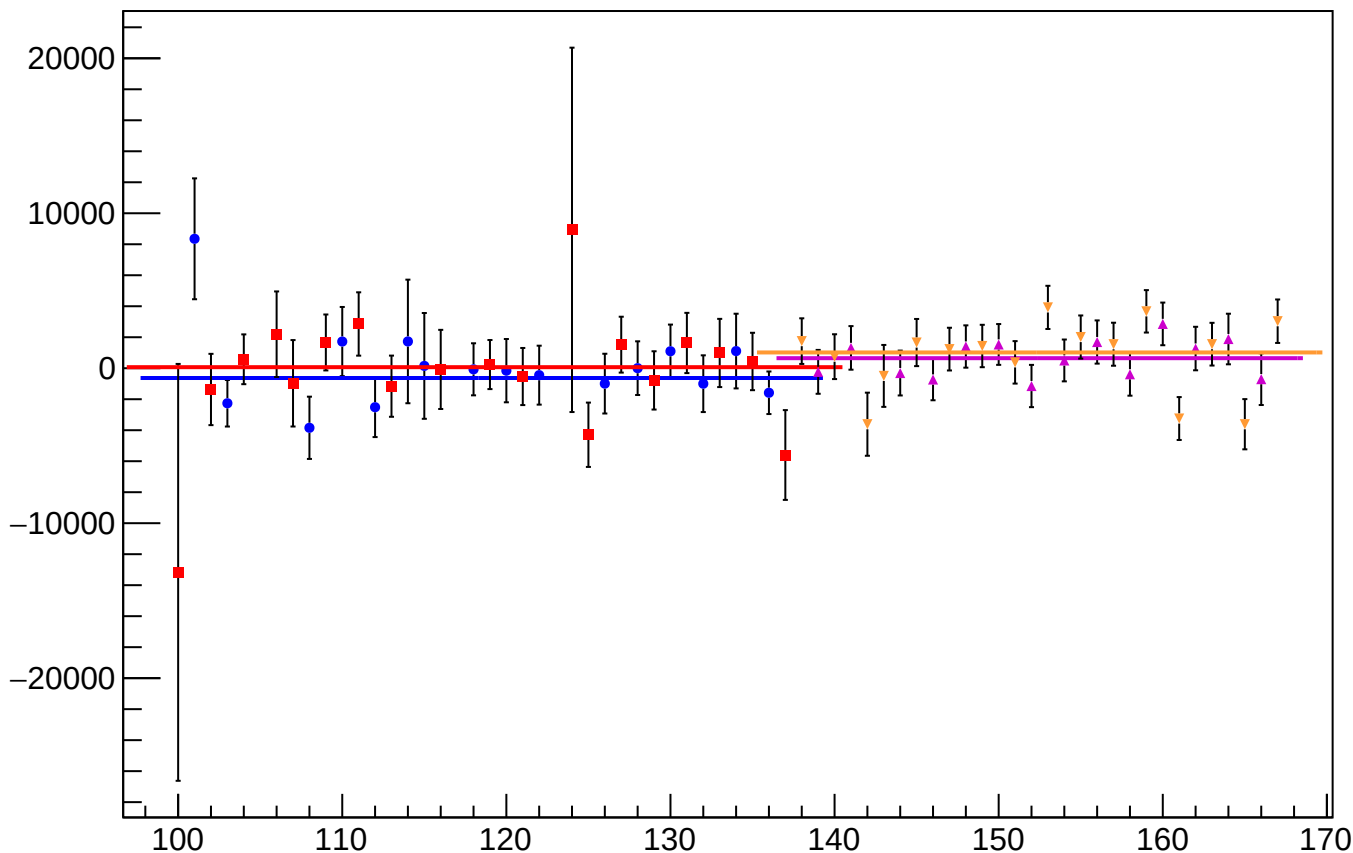
Left In: 0.000+/-0.000 χ^2/NDF : 1100521.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 19612444.1/31

All: 0.000+/-0.000 χ^2/NDF : 35904222.6/64

- sign 0.000+/-0.000 χ^2/NDF : 7102177.2/32

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 1018.080 ± 365.671 χ^2/NDF : 35.2/15

Right Out: 67.642 ± 487.761 χ^2/NDF : 15.9/18

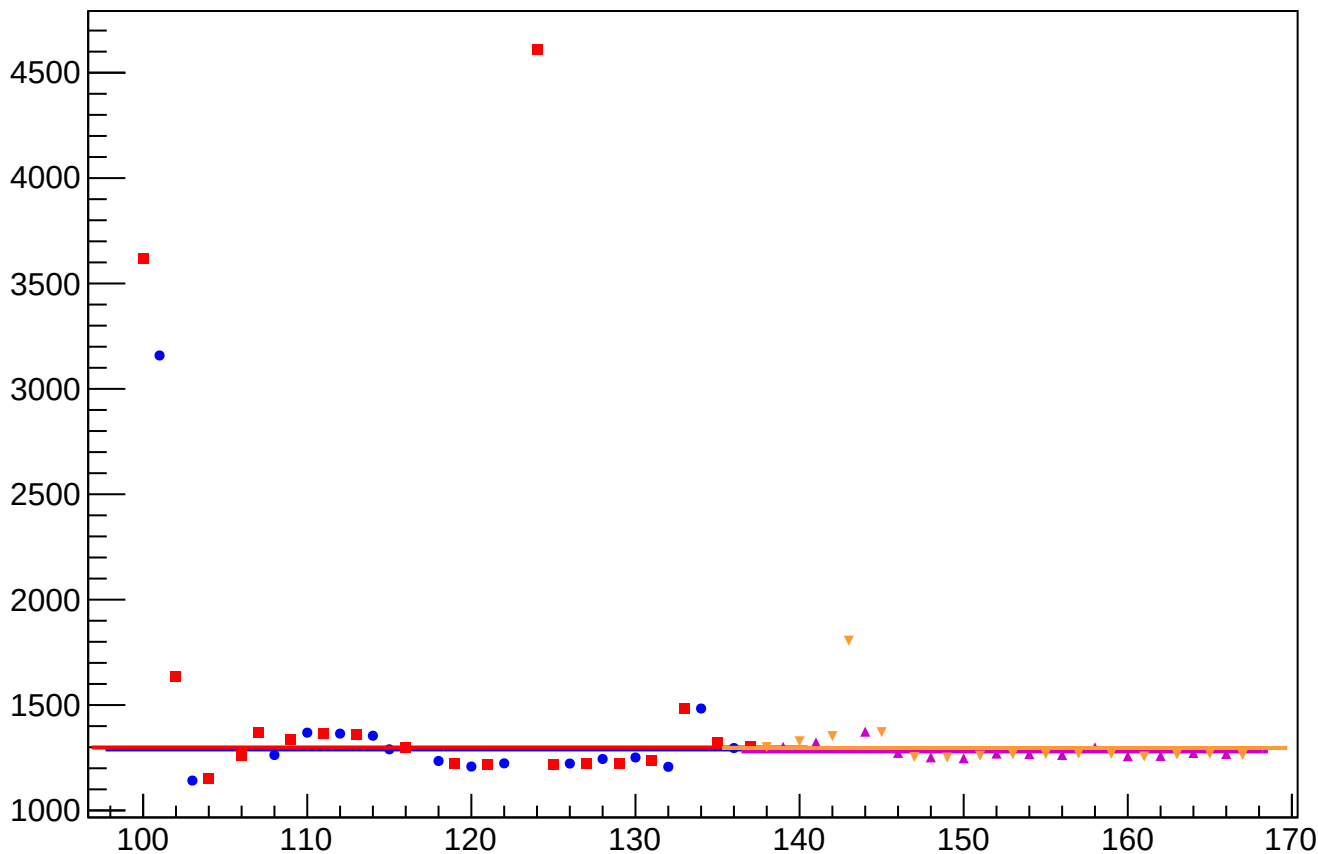
Left In: 648.112 ± 376.741 χ^2/NDF : 9.7/13

+ sign 426.111 ± 292.774 χ^2/NDF : 56.4/31

All: 428.615 ± 208.900 χ^2/NDF : 82.9/64

- sign 431.212 ± 298.158 χ^2/NDF : 26.5/32

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: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

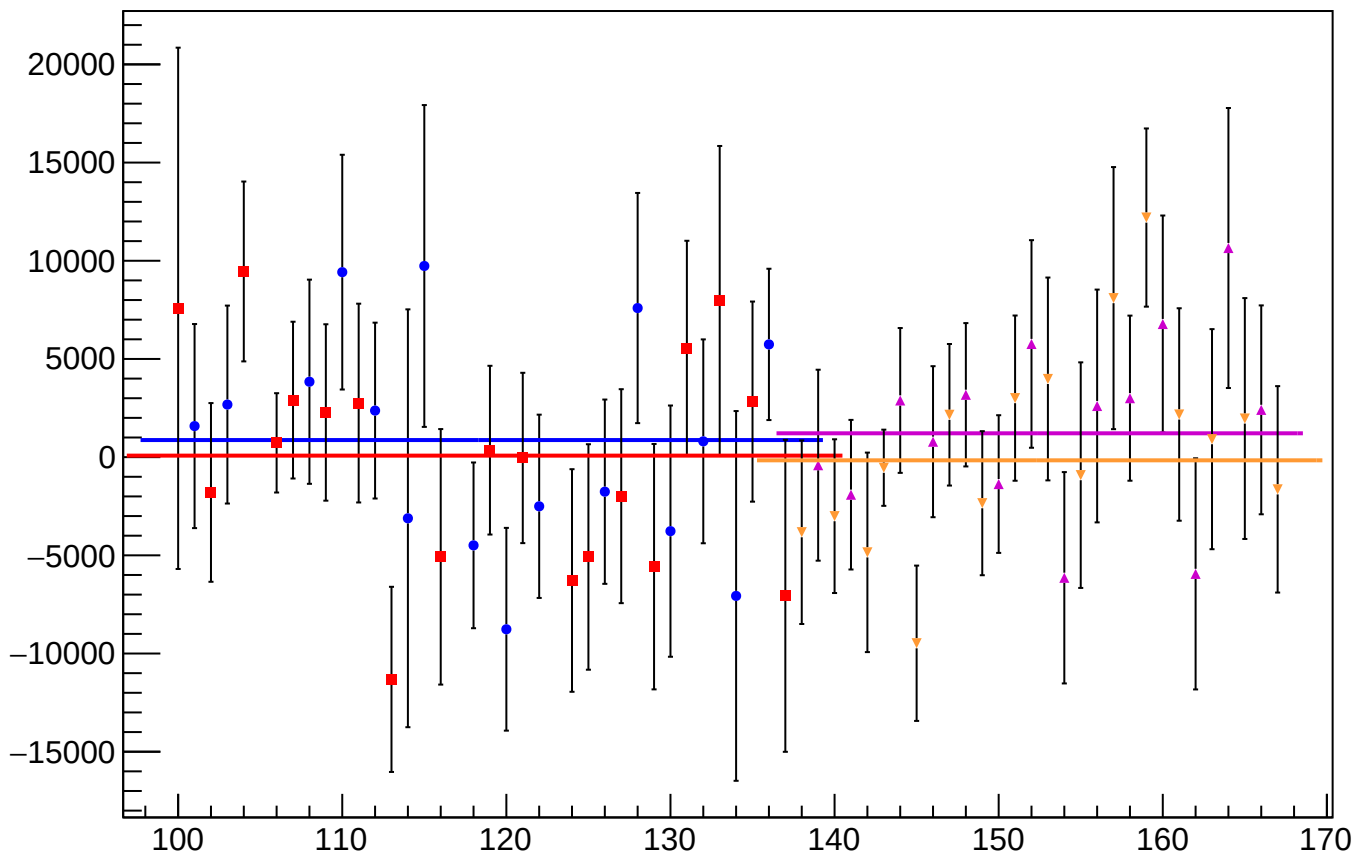
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665500.6/31

All: 1290.373 $\pm$ 0.148 χ^2 /NDF: 1002211.8/64

- sign 1286.882 $\pm$ 0.211 χ^2 /NDF: 336171.1/32

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: -161.938 $\pm$ 1023.263 χ^2 /NDF:19.0/15

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

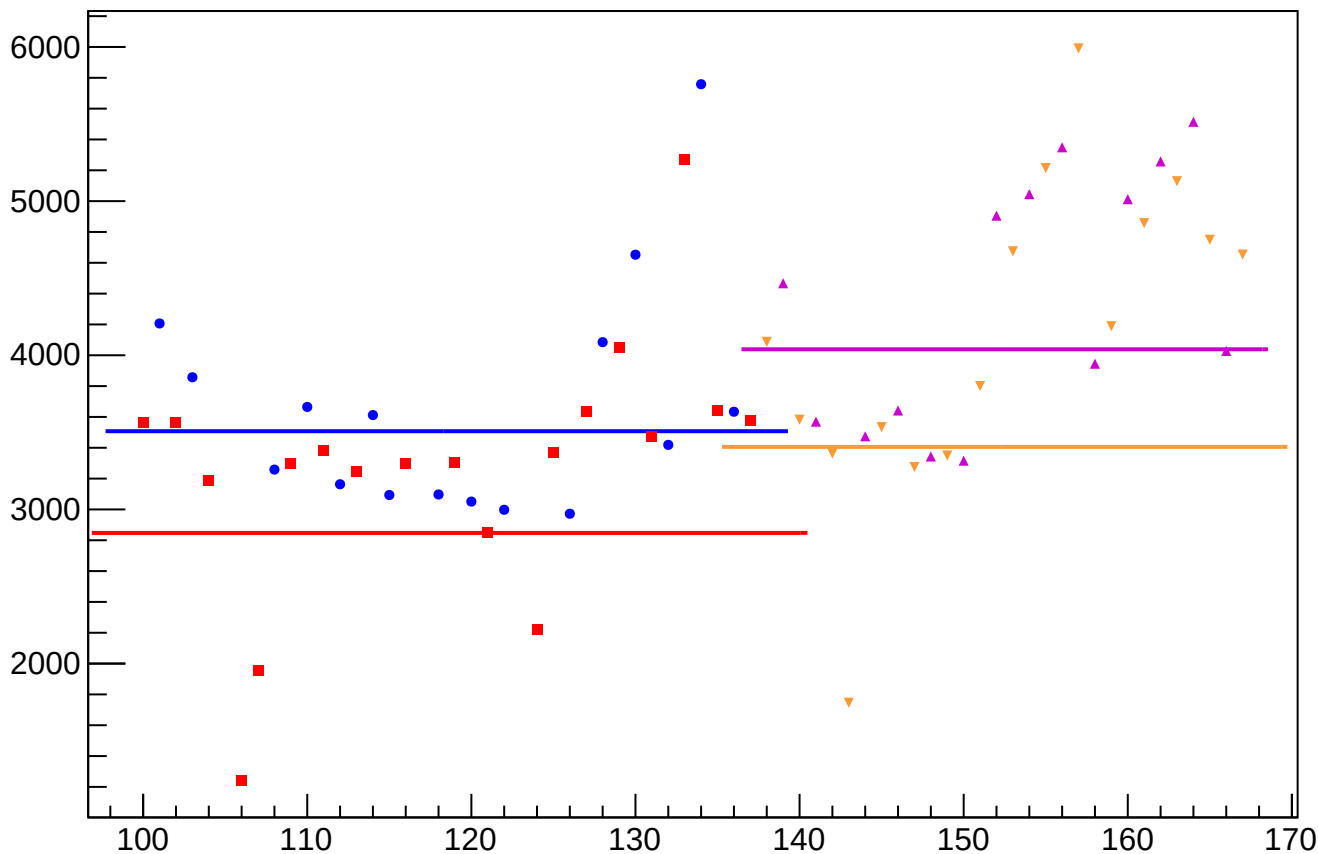
Left In: 1214.184 $\pm$ 1211.879 χ^2 /NDF:9.0/13

+ sign 223.596 $\pm$ 809.934 χ^2 /NDF: 33.4/31

All: 407.985 $\pm$ 575.878 χ^2 /NDF: 61.3/64

- sign 596.512 $\pm$ 818.971 χ^2 /NDF: 27.8/32

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: 3405.727 $\pm$ 0.724 χ^2 /NDF: 2754433.7/15

Right Out: 2847.833 $\pm$ 0.786 χ^2 /NDF: 1499373.6/18

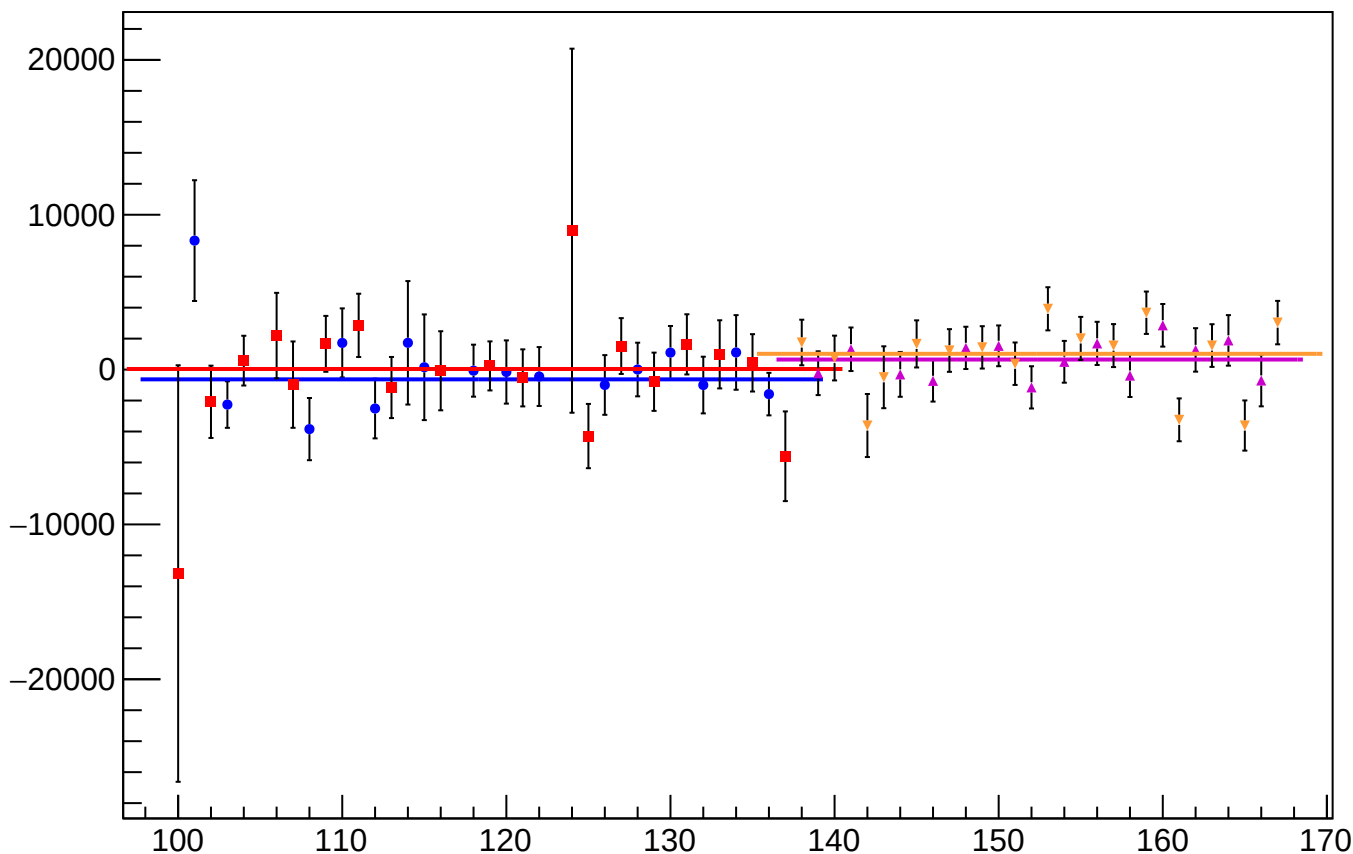
Left In: 4038.851 $\pm$ 0.857 χ^2 /NDF: 727704.4/13

+ sign 3443.700 $\pm$ 0.573 χ^2 /NDF: 3115787.2/31

All: 3418.016 $\pm$ 0.407 χ^2 /NDF: 6396472.7/64

- sign 3391.755 $\pm$ 0.579 χ^2 /NDF: 3276617.7/32

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 1018.118 ± 365.671 χ^2/NDF : 35.2/15

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

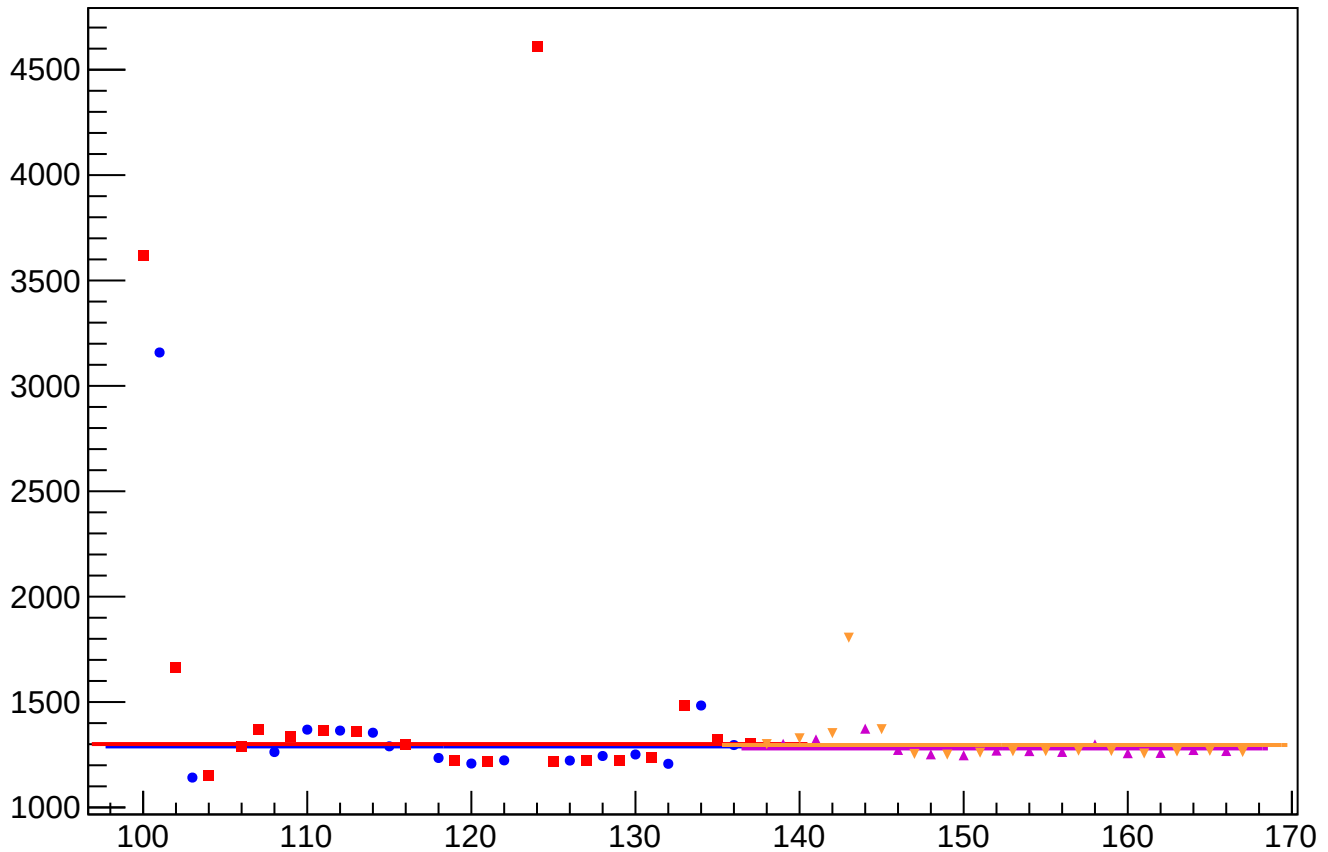
Left In: 648.119 ± 376.741 χ^2/NDF : 9.7/13

+ sign 425.997 ± 292.774 χ^2/NDF : 56.4/31

All: 423.330 ± 208.926 χ^2/NDF : 83.4/64

- sign 420.562 ± 298.232 χ^2/NDF : 27.0/32

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: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

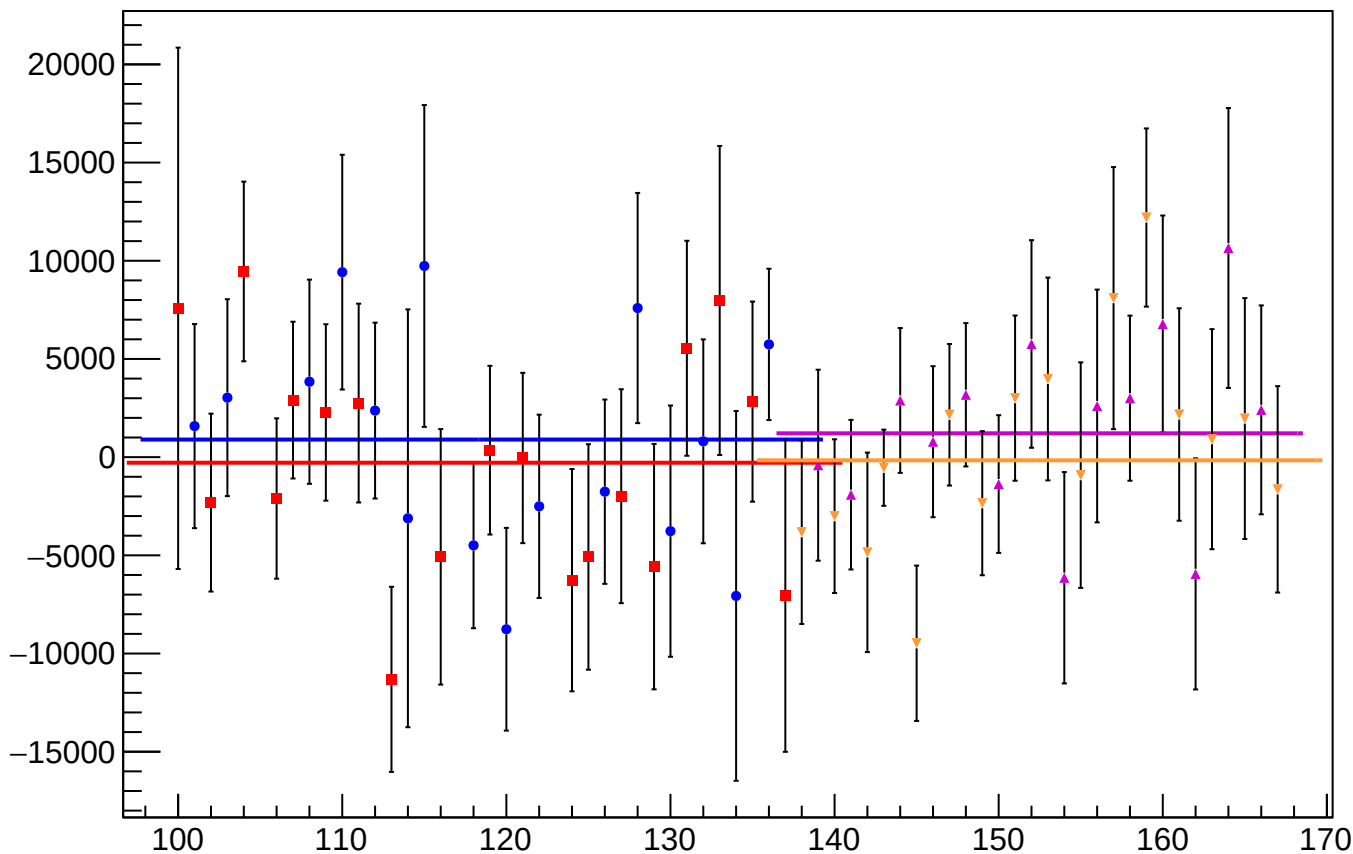
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665502.1/31

All: 1290.742 $\pm$ 0.148 χ^2 /NDF: 1009056.0/64

- sign 1287.629 $\pm$ 0.211 χ^2 /NDF: 343125.1/32

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF : 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF : 19.0/15

Right Out: -283.963+/-1183.171 χ^2/NDF : 18.6/18

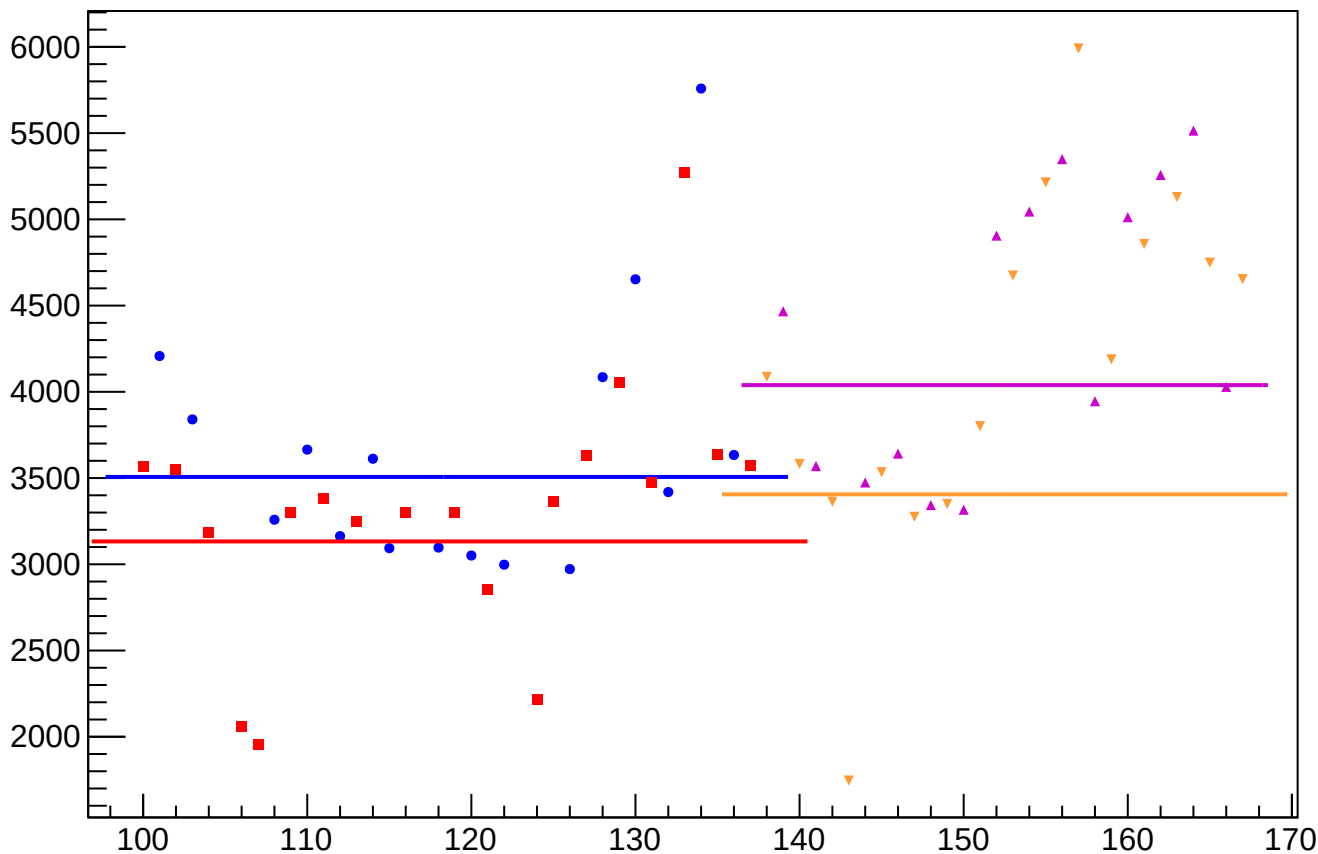
Left In: 1214.227+/-1211.878 χ^2/NDF : 9.0/13

+ sign 233.436+/-809.829 χ^2/NDF : 33.4/31

All: 335.565+/-585.202 χ^2/NDF : 61.9/64

- sign 447.177+/-846.595 χ^2/NDF : 28.4/32

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3405.717 $\pm$ 0.724 χ^2 /NDF: 2754464.2/15

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

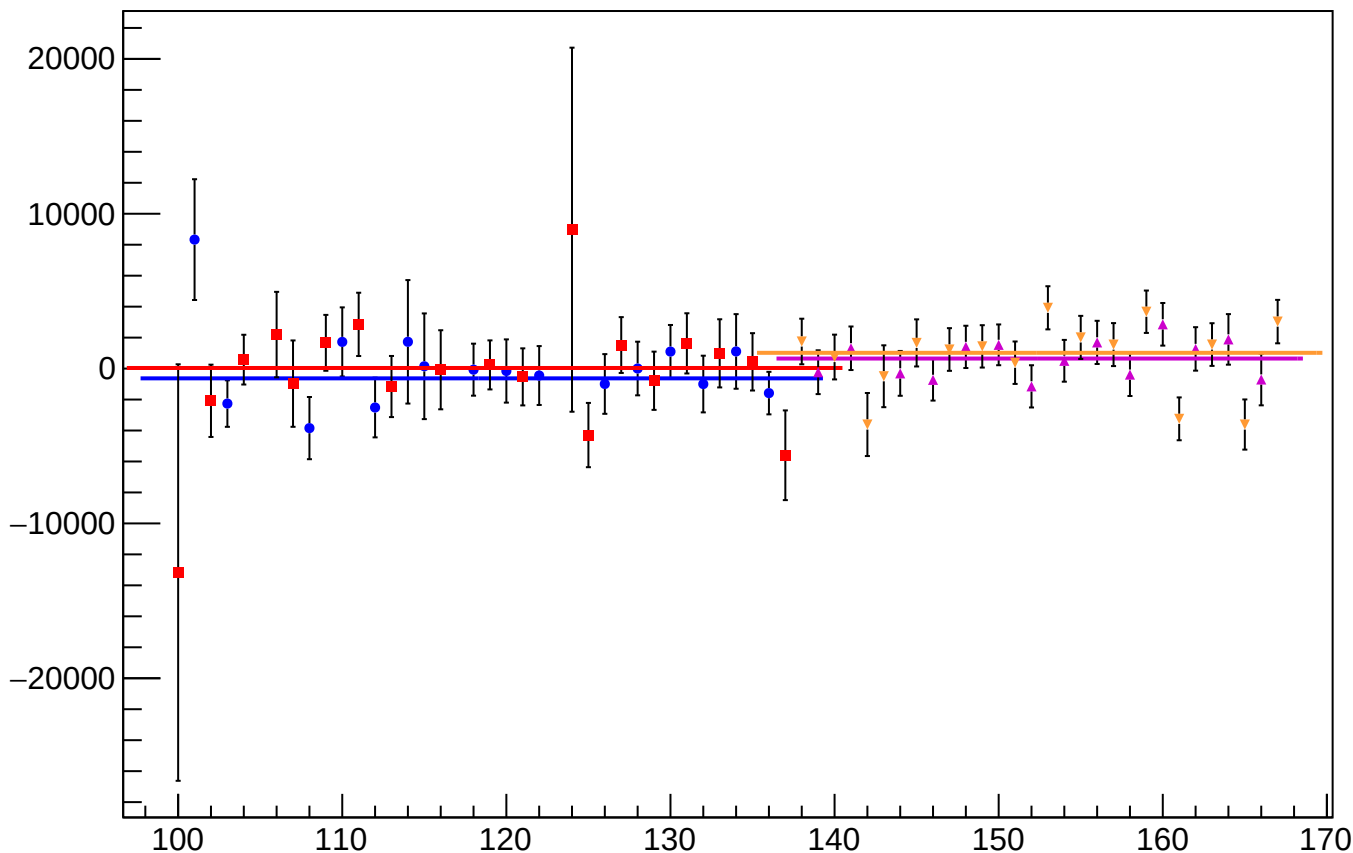
Left In: 4038.847 $\pm$ 0.857 χ^2 /NDF: 727705.7/13

+ sign 3443.369 $\pm$ 0.573 χ^2 /NDF: 3114949.0/31

All: 3506.196 $\pm$ 0.414 χ^2 /NDF: 5090089.3/64

- sign 3574.856 $\pm$ 0.599 χ^2 /NDF: 1949948.0/32

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: 1018.118+/-365.671 χ^2/NDF : 35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

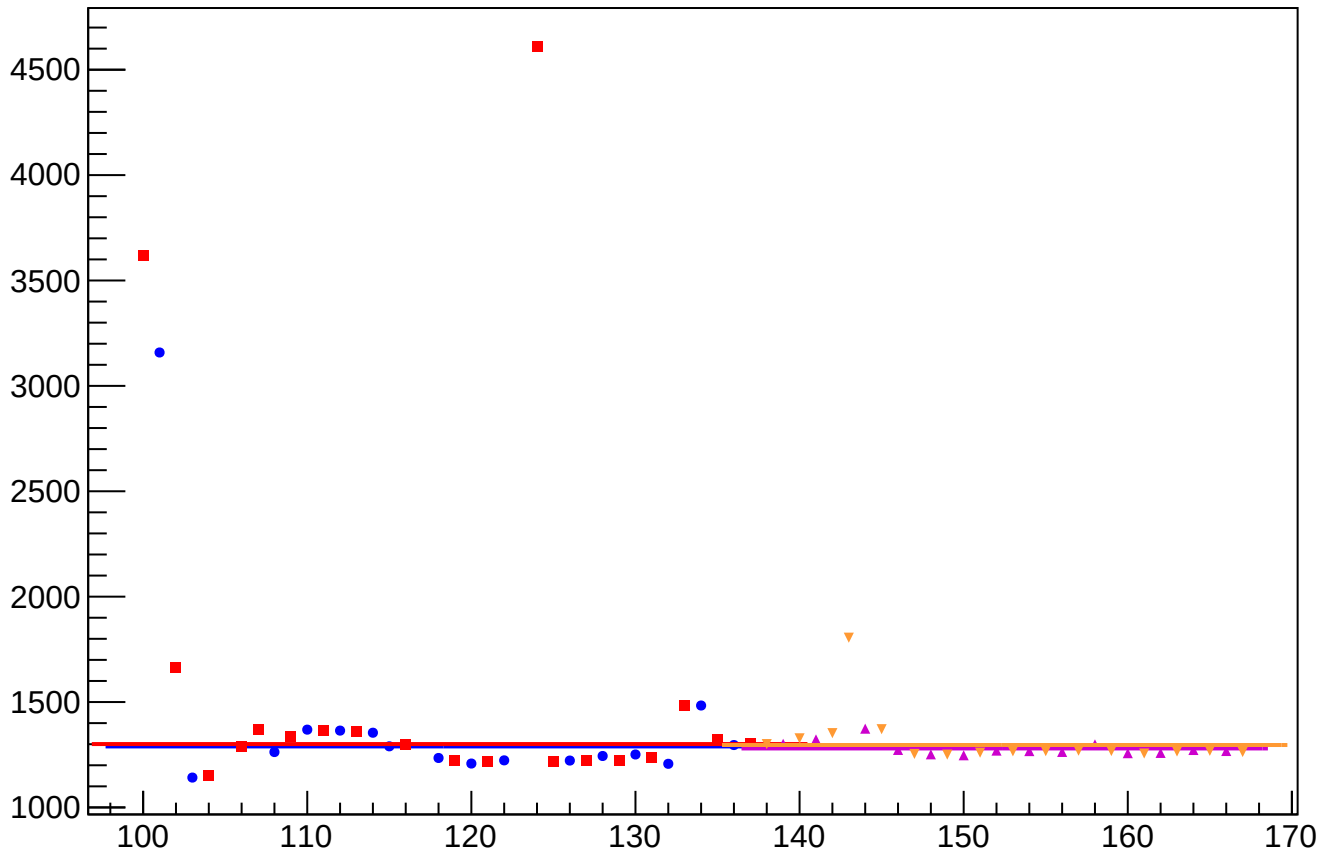
Left In: 648.119+/-376.741 χ^2/NDF : 9.7/13

+ sign 425.997+/-292.774 χ^2/NDF : 56.4/31

All: 423.330+/-208.926 χ^2/NDF : 83.4/64

- sign 420.562+/-298.232 χ^2/NDF : 27.0/32

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

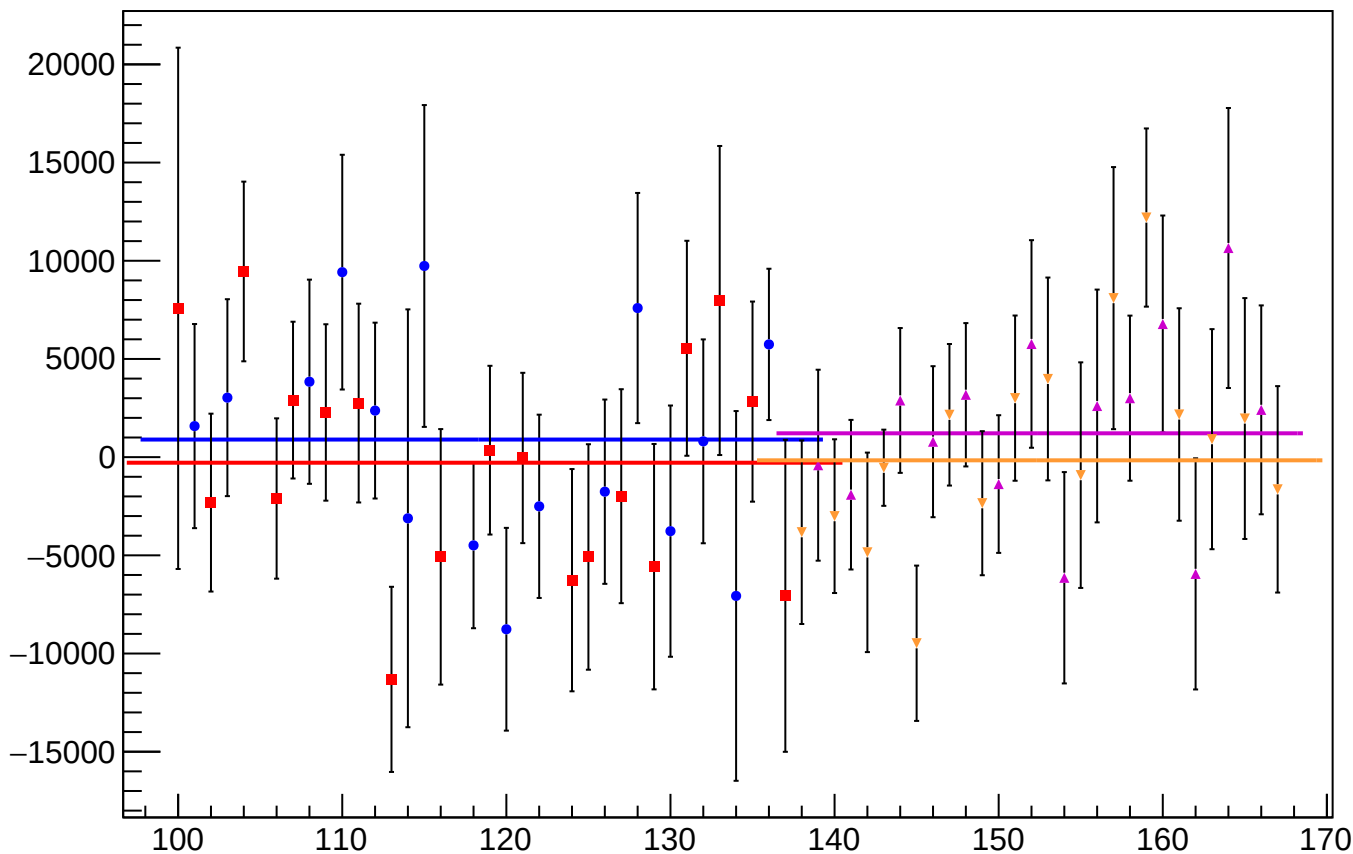
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665502.1/31

All: 1290.742 $\pm$ 0.148 χ^2 /NDF: 1009056.0/64

- sign 1287.629 $\pm$ 0.211 χ^2 /NDF: 343125.1/32

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: -161.836 ± 1023.261 $\chi^2/\text{NDF}: 19.0/15$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

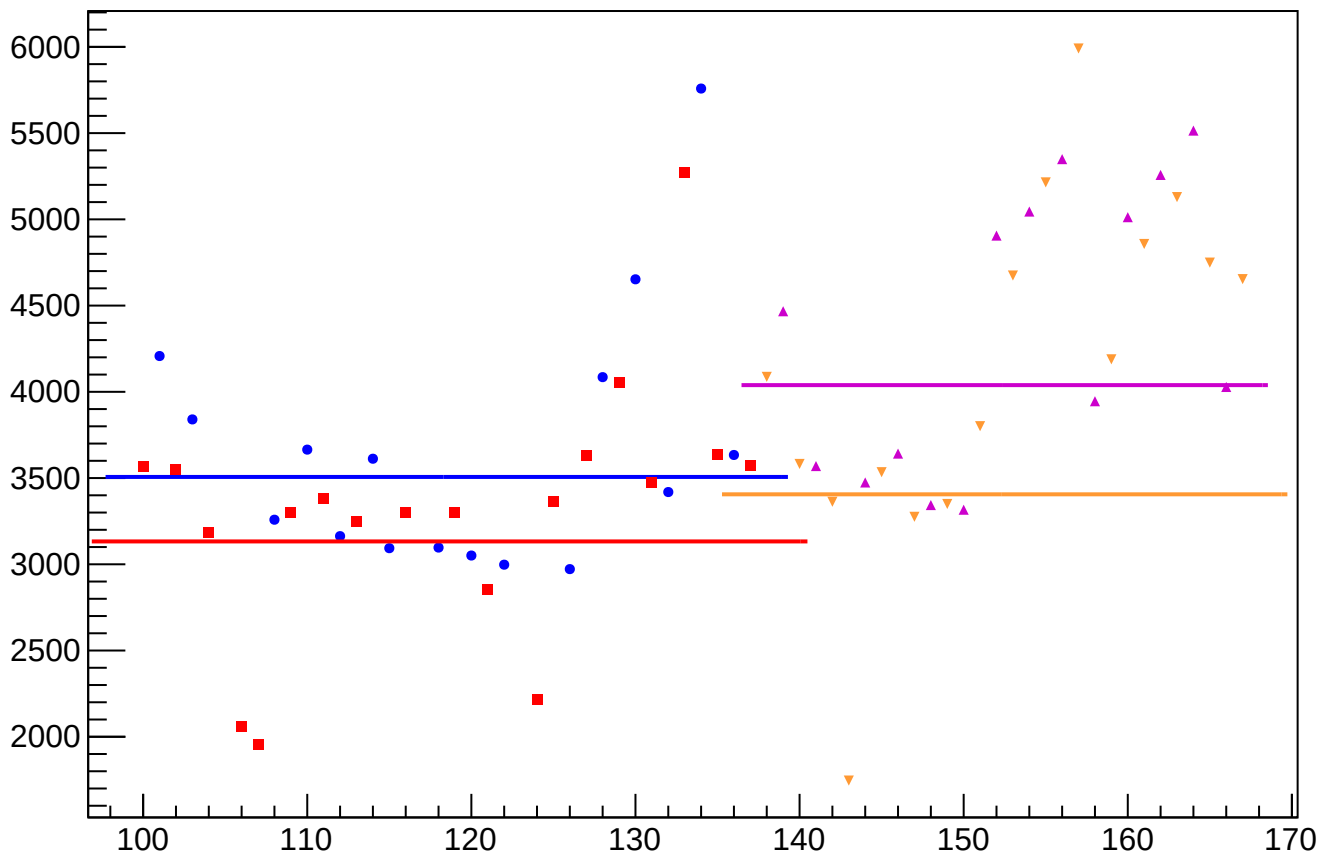
Left In: 1214.227 ± 1211.878 $\chi^2/\text{NDF}: 9.0/13$

+ sign 233.436 ± 809.829 $\chi^2/\text{NDF}: 33.4/31$

All: 335.565 ± 585.202 $\chi^2/\text{NDF}: 61.9/64$

- sign 447.177 ± 846.595 $\chi^2/\text{NDF}: 28.4/32$

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3405.717 $\pm$ 0.724 χ^2 /NDF: 2754464.2/15

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

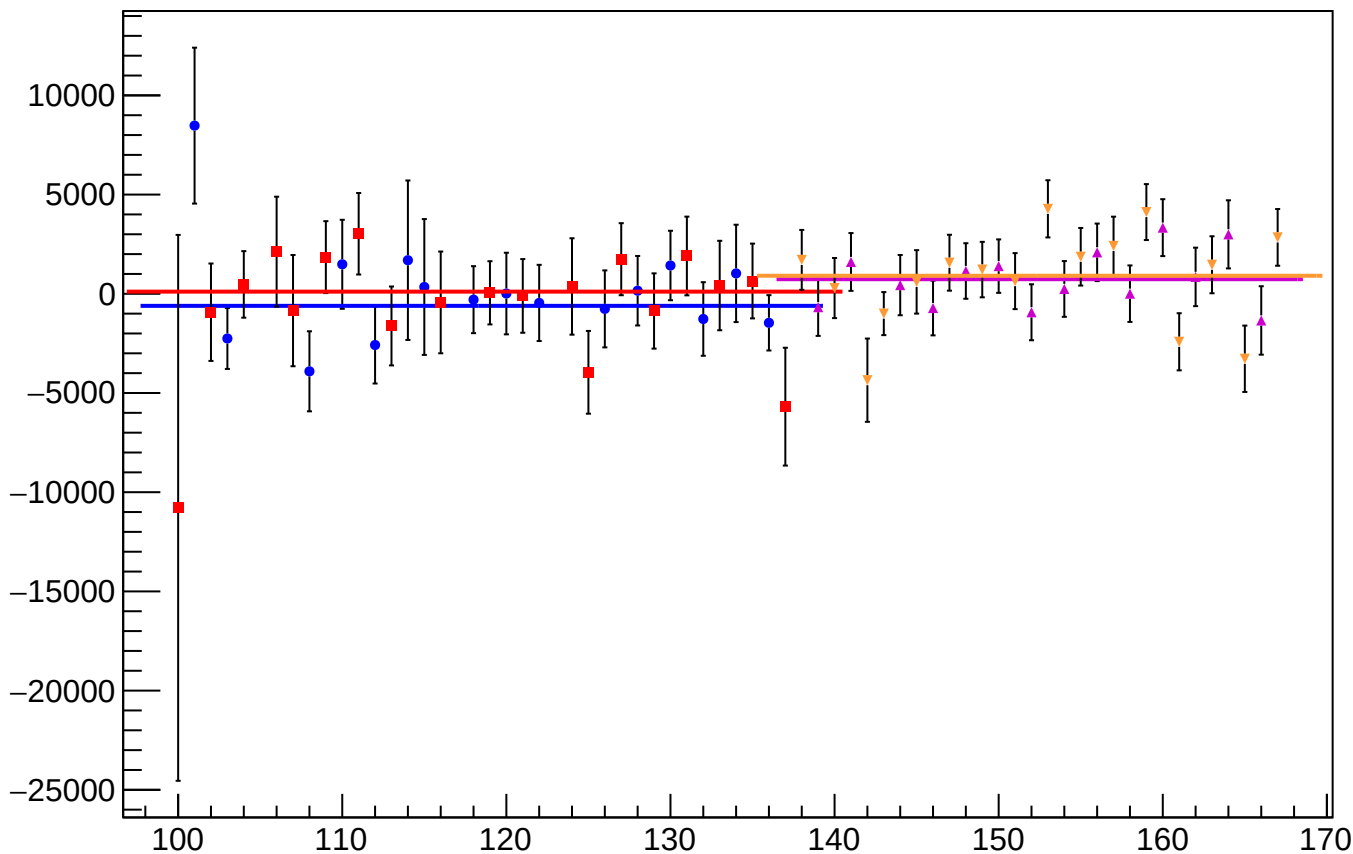
Left In: 4038.847 $\pm$ 0.857 χ^2 /NDF: 727705.7/13

+ sign 3443.369 $\pm$ 0.573 χ^2 /NDF: 3114949.0/31

All: 3506.196 $\pm$ 0.414 χ^2 /NDF: 5090089.3/64

- sign 3574.856 $\pm$ 0.599 χ^2 /NDF: 1949948.0/32

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 908.293 ± 362.846 χ^2/NDF : 35.9/15

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

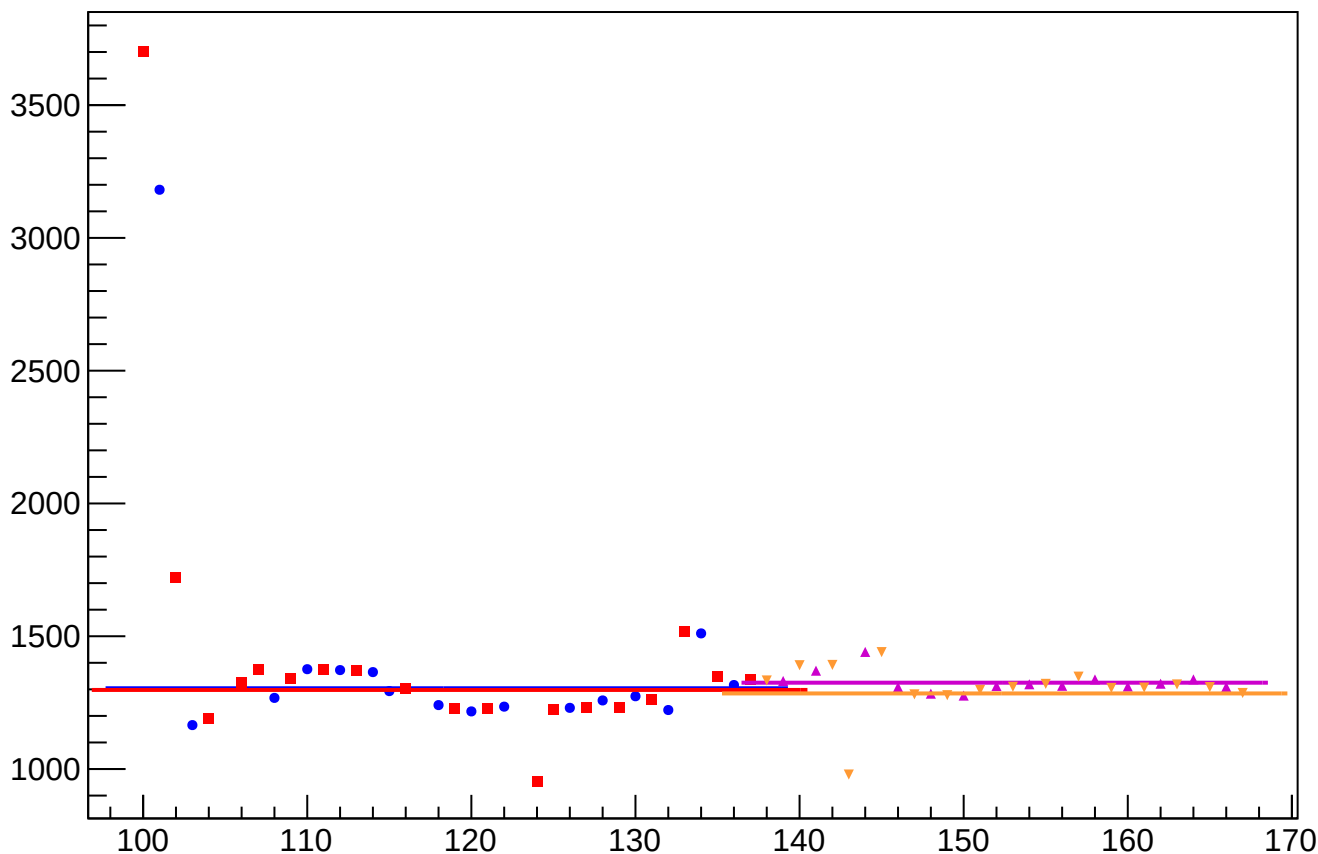
Left In: 735.092 ± 390.137 χ^2/NDF : 11.9/13

+ sign 377.240 ± 292.475 χ^2/NDF : 56.1/31

All: 431.089 ± 210.810 χ^2/NDF : 84.0/64

- sign 489.313 ± 304.127 χ^2/NDF : 27.8/32

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: 1284.622 $\pm$ 0.257 χ^2 /NDF: 203050.2/15

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

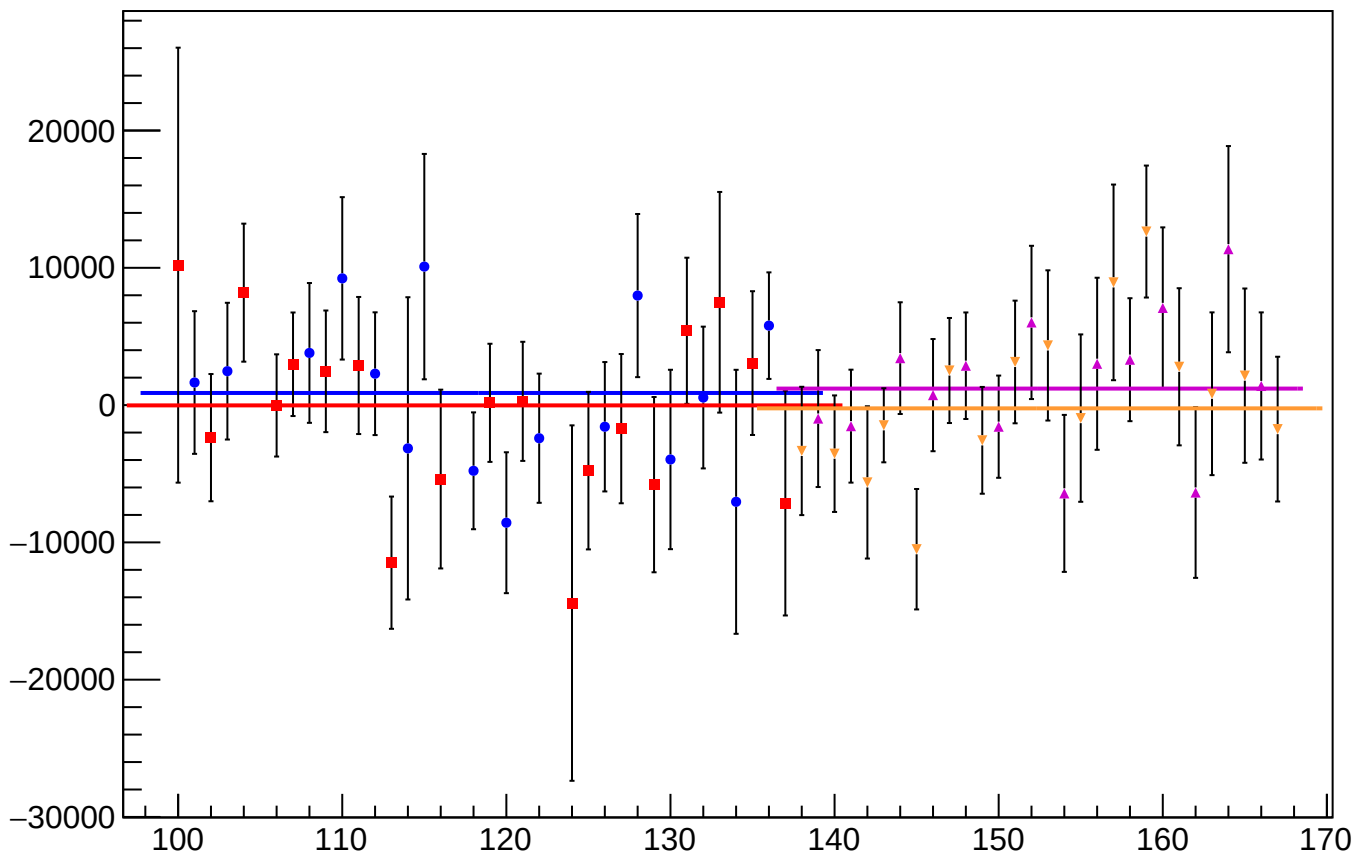
Left In: 1325.084 $\pm$ 0.276 χ^2 /NDF: 19191.5/13

+ sign 1291.445 $\pm$ 0.207 χ^2 /NDF: 715658.8/31

All: 1302.463 $\pm$ 0.149 χ^2 /NDF: 957694.1/64

- sign 1314.369 $\pm$ 0.215 χ^2 /NDF: 236130.4/32

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: -237.054 $\pm$ 1154.094 χ^2/NDF : 19.2/15

Right Out: -20.681 $\pm$ 1200.015 χ^2/NDF : 16.8/18

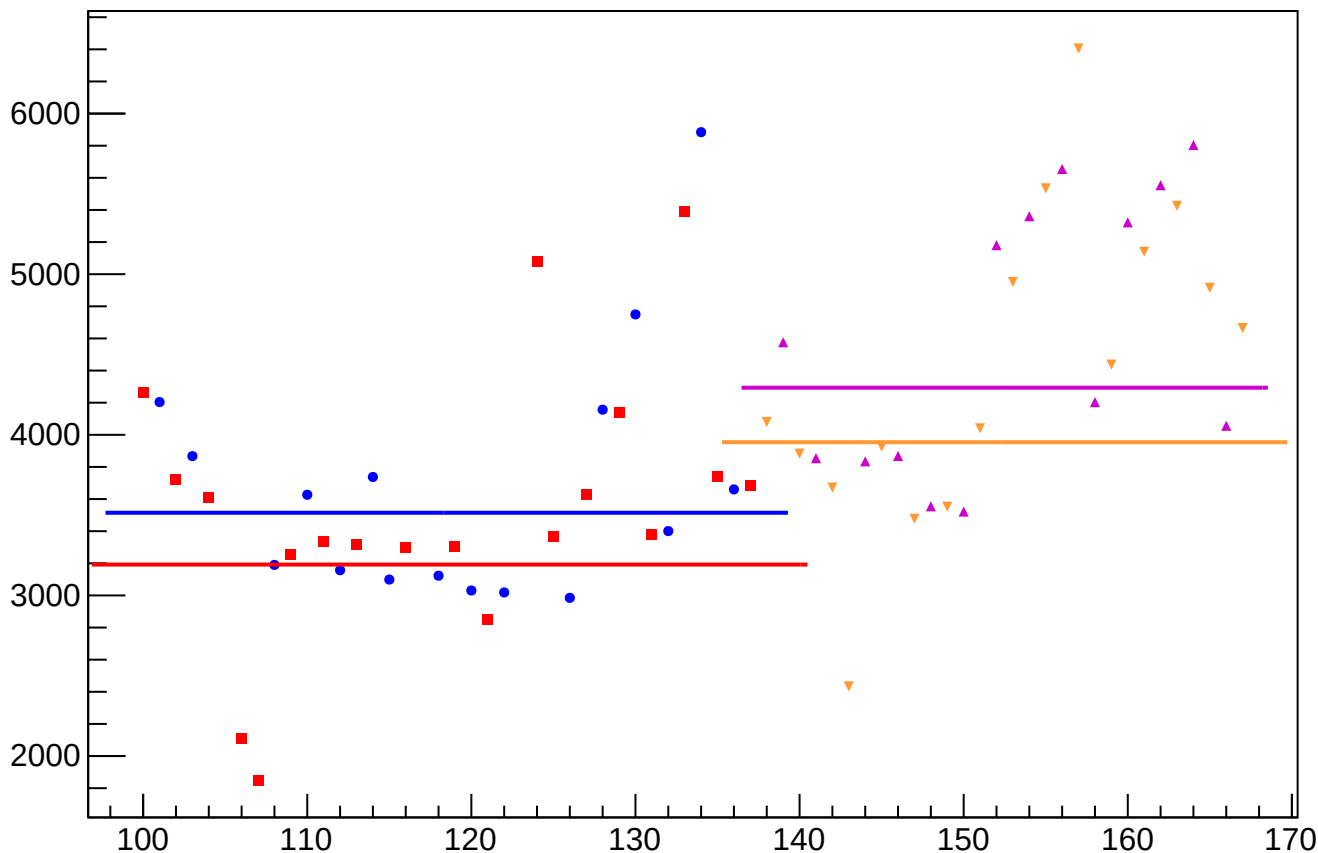
Left In: 1203.062 $\pm$ 1287.115 χ^2/NDF : 8.8/13

+ sign 245.585 $\pm$ 870.940 χ^2/NDF : 33.7/31

All: 395.813 $\pm$ 618.229 χ^2/NDF : 59.9/64

- sign 548.387 $\pm$ 877.717 χ^2/NDF : 26.1/32

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: 3954.074 $\pm$ 0.816 χ^2 /NDF:1444498.7/15

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

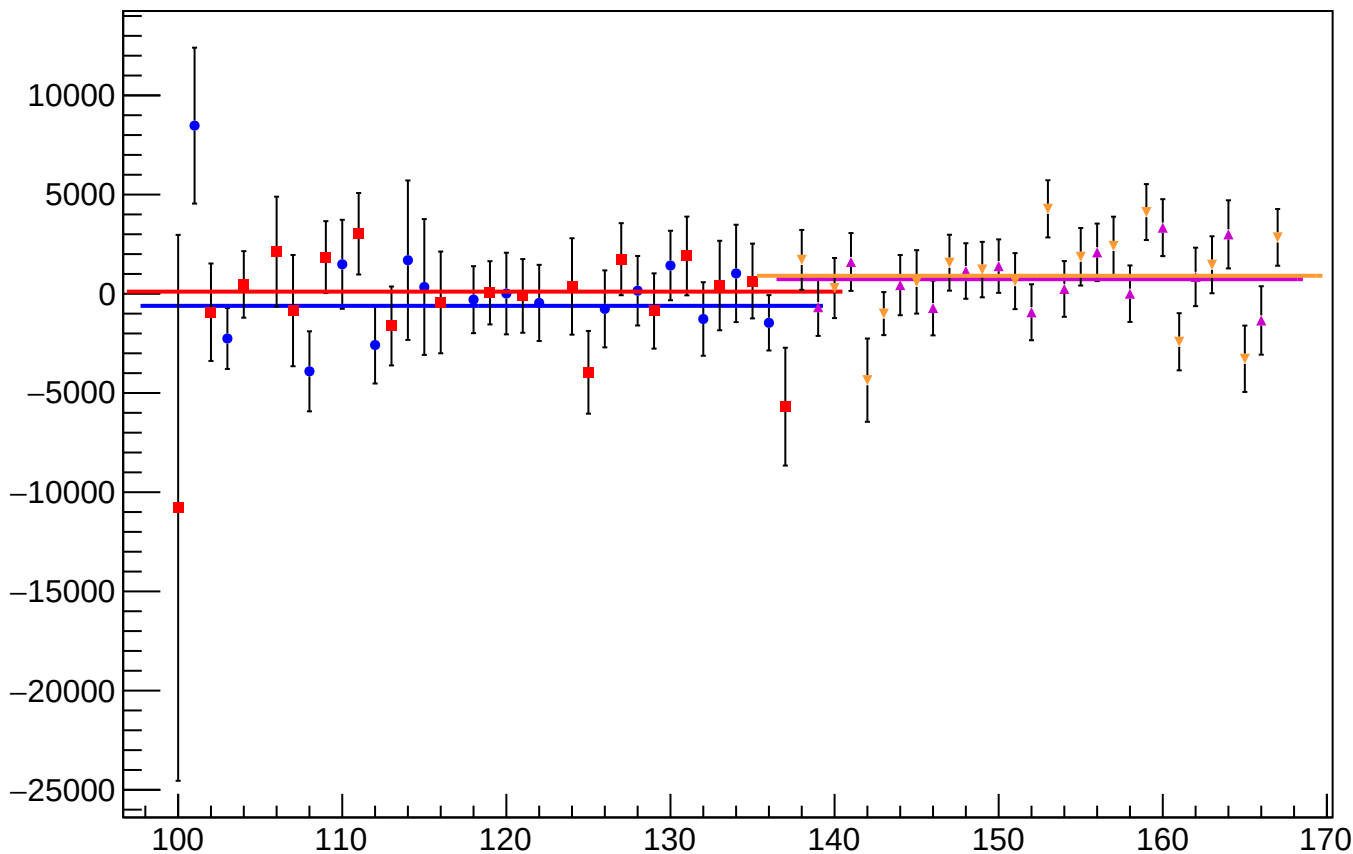
Left In: 4293.404 $\pm$ 0.910 χ^2 /NDF:678584.3/13

+ sign 3764.943 $\pm$ 0.616 χ^2 /NDF: 1944344.1/31

All: 3734.850 $\pm$ 0.437 χ^2 /NDF: 4183420.4/64

- sign 3704.287 $\pm$ 0.621 χ^2 /NDF: 2234263.4/32

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: 908.299 ± 362.846 χ^2/NDF : 35.9/15

Right Out: 108.619 ± 485.553 χ^2/NDF : 14.9/18

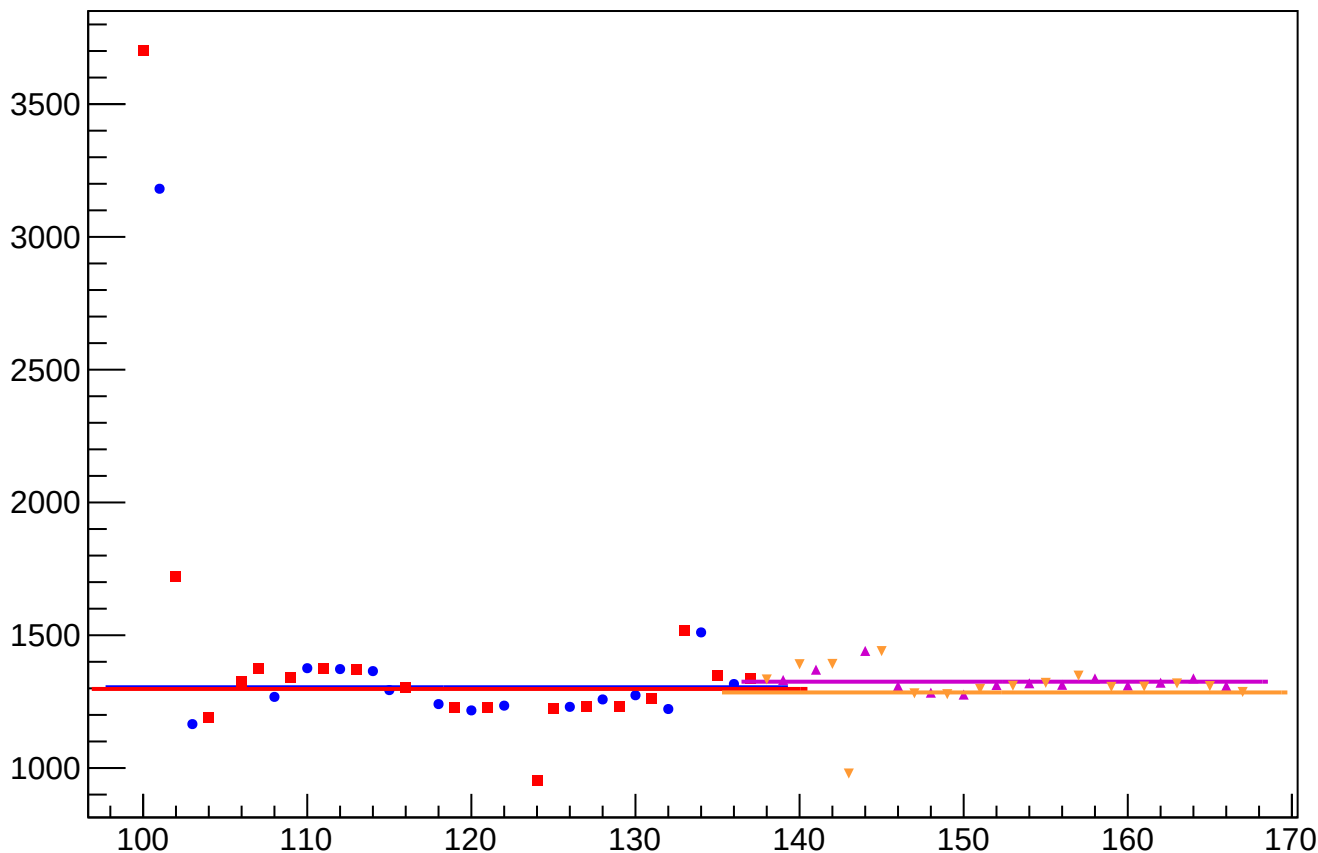
Left In: 735.094 ± 390.138 χ^2/NDF : 11.9/13

+ sign 377.242 ± 292.475 χ^2/NDF : 56.1/31

All: 431.091 ± 210.810 χ^2/NDF : 84.0/64

- sign 489.316 ± 304.128 χ^2/NDF : 27.8/32

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: 1284.623 $\pm$ 0.257 χ^2 /NDF: 203050.9/15

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

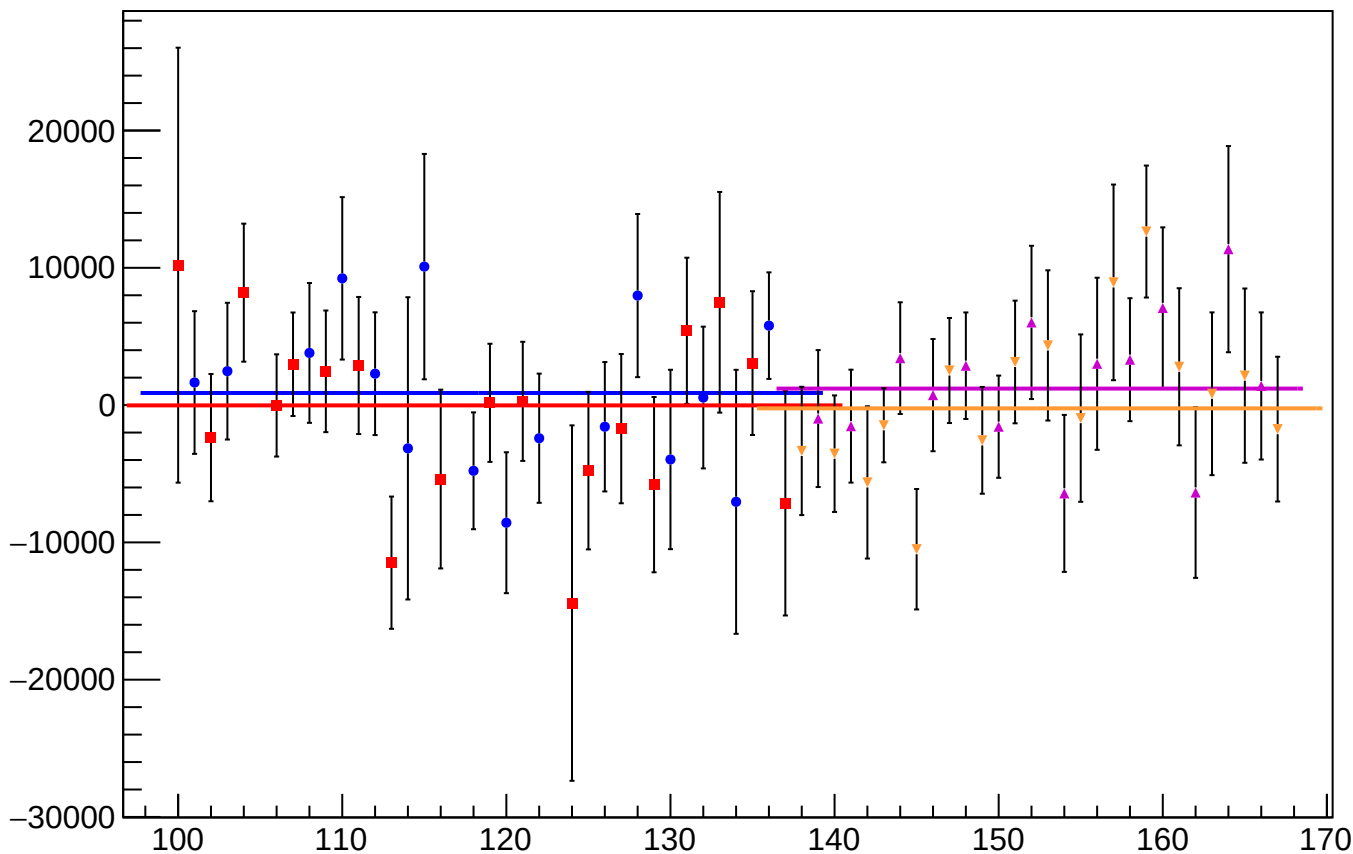
Left In: 1325.085 $\pm$ 0.276 χ^2 /NDF: 19191.6/13

+ sign 1291.446 $\pm$ 0.207 χ^2 /NDF: 715659.4/31

All: 1302.464 $\pm$ 0.149 χ^2 /NDF: 957695.3/64

- sign 1314.369 $\pm$ 0.215 χ^2 /NDF: 236131.0/32

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: -237.050+/-1154.096 χ^2/NDF : 19.2/15

Right Out: -20.677+/-1200.012 χ^2/NDF : 16.8/18

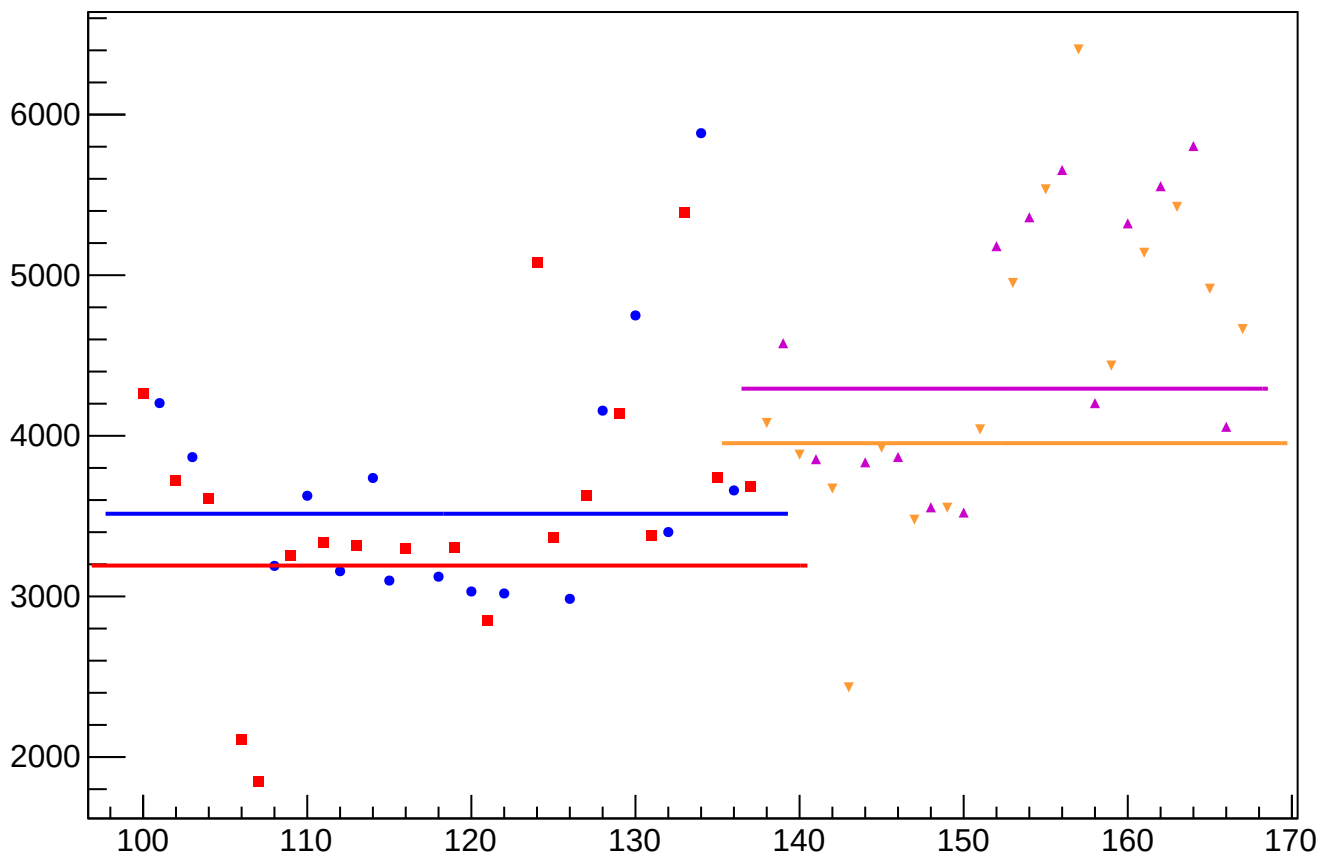
Left In: 1203.061+/-1287.117 χ^2/NDF : 8.8/13

+ sign 245.585+/-870.940 χ^2/NDF : 33.7/31

All: 395.812+/-618.229 χ^2/NDF : 59.9/64

- sign 548.387+/-877.716 χ^2/NDF : 26.1/32

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 3954.080 $\pm$ 0.816 χ^2 /NDF: 1444500.9/15

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

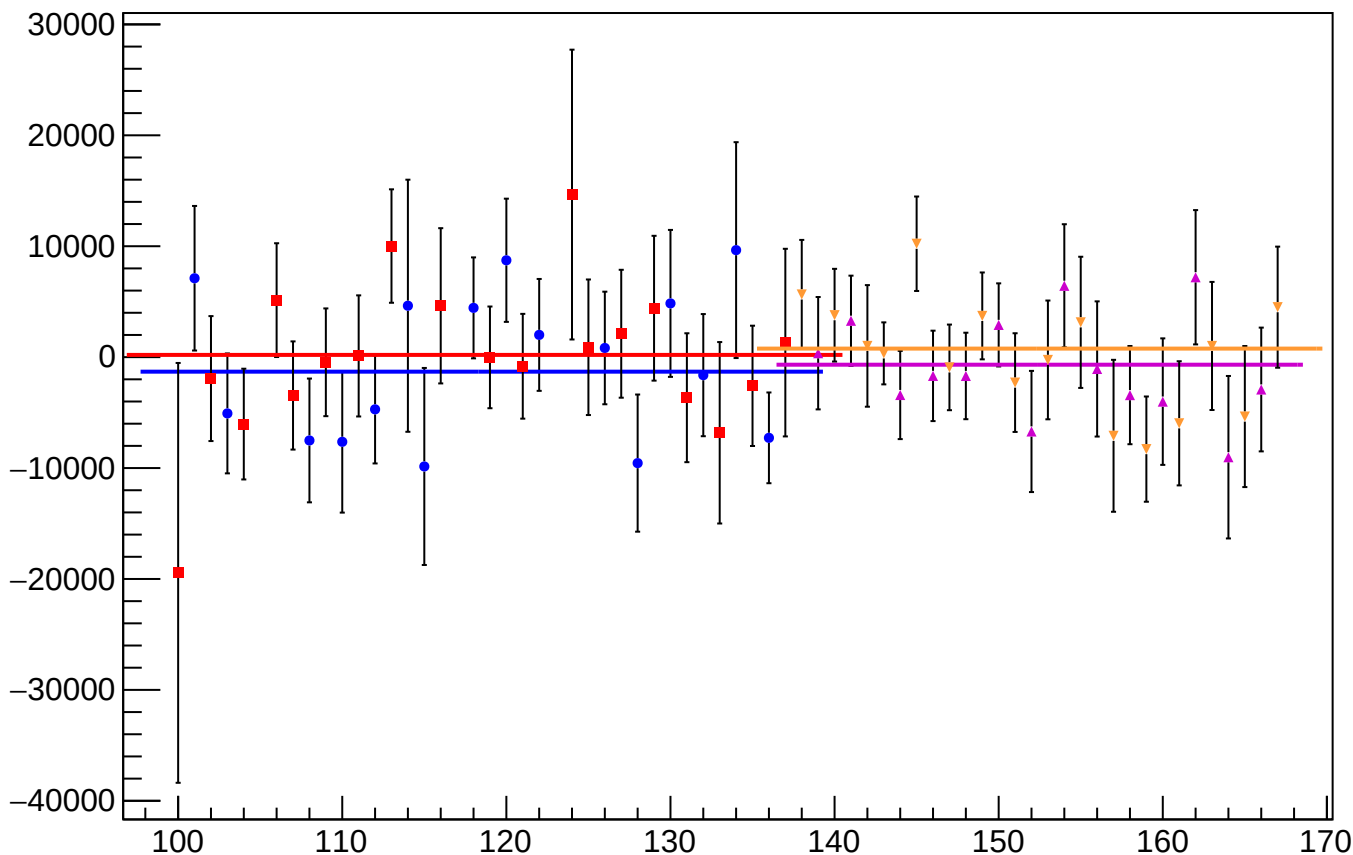
Left In: 4293.410 $\pm$ 0.910 χ^2 /NDF: 678585.8/13

+ sign 3764.942 $\pm$ 0.616 χ^2 /NDF: 1944359.2/31

All: 3734.847 $\pm$ 0.437 χ^2 /NDF: 4183460.0/64

- sign 3704.283 $\pm$ 0.621 χ^2 /NDF: 2234287.7/32

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 770.252 ± 1156.771 χ^2/NDF : 15.7/15

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

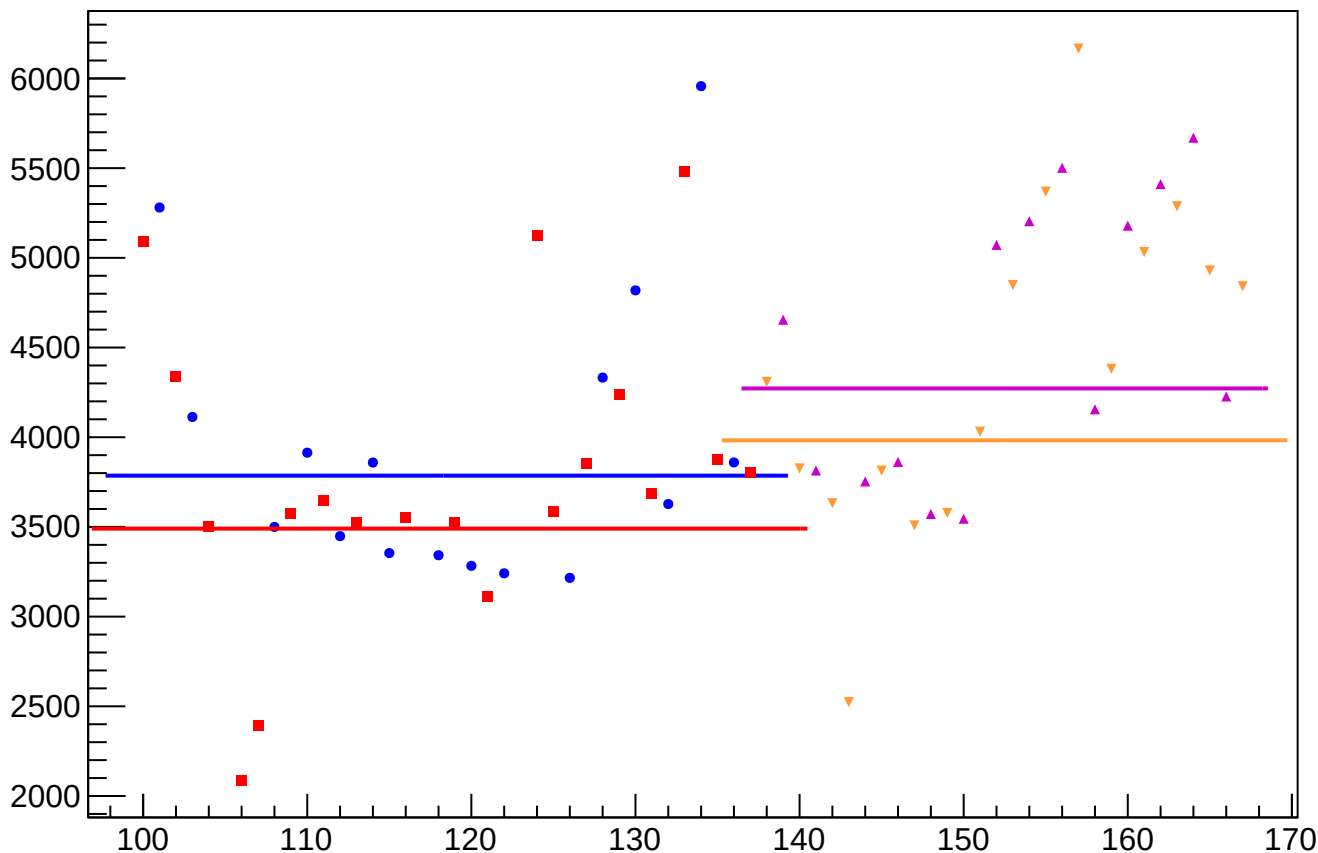
Left In: -681.934 ± 1277.622 χ^2/NDF : 9.2/13

+ sign -51.186 ± 899.759 χ^2/NDF : 34.6/31

All: -152.846 ± 644.416 χ^2/NDF : 55.7/64

- sign -259.915 ± 923.384 χ^2/NDF : 21.1/32

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF :1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

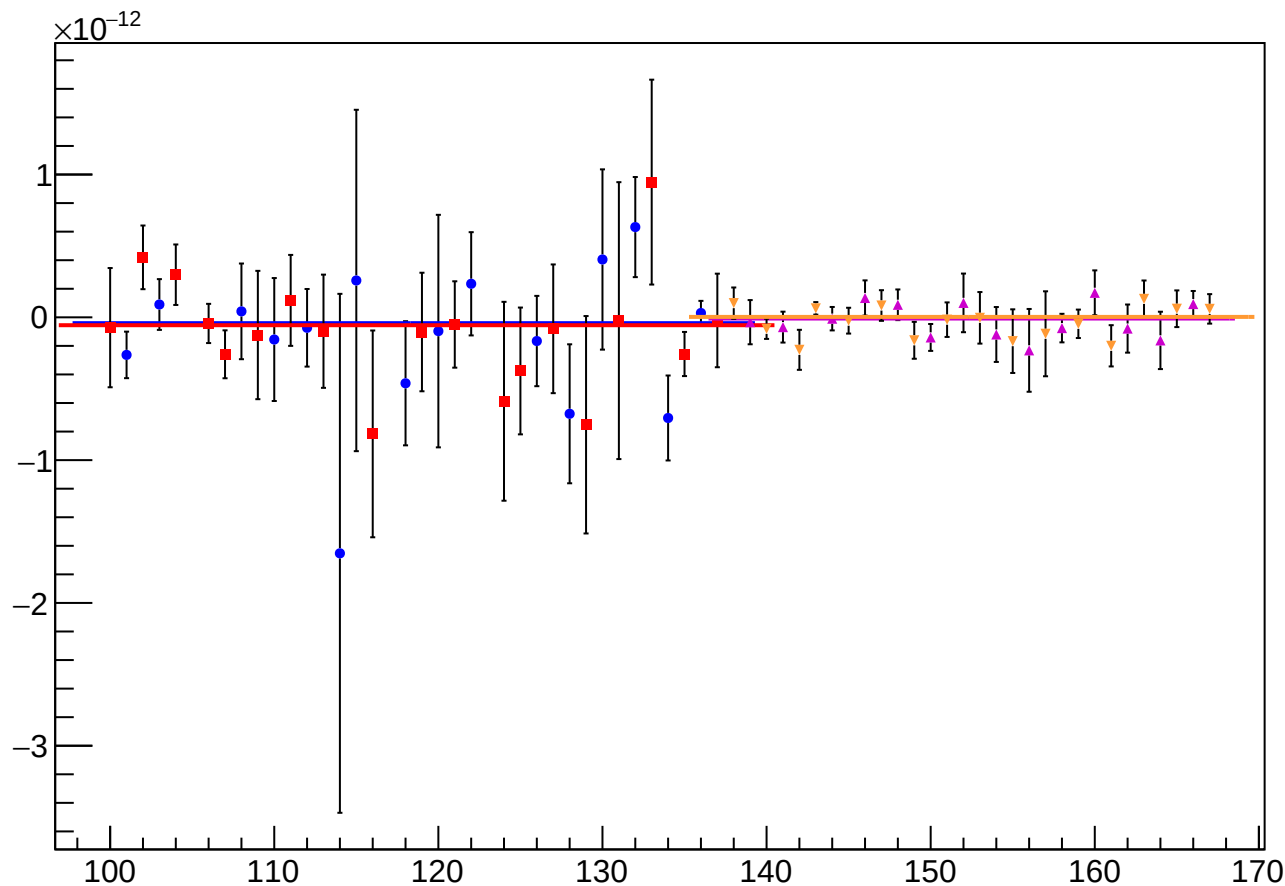
Left In: 4271.917+/-0.903 χ^2/NDF :606988.2/13

+ sign 3904.855+/-0.636 χ^2/NDF : 1671999.2/31

All: 3899.224+/-0.454 χ^2/NDF : 3228241.3/64

- sign 3893.371+/-0.649 χ^2/NDF : 1556082.3/32

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 : 13.4/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.9/18

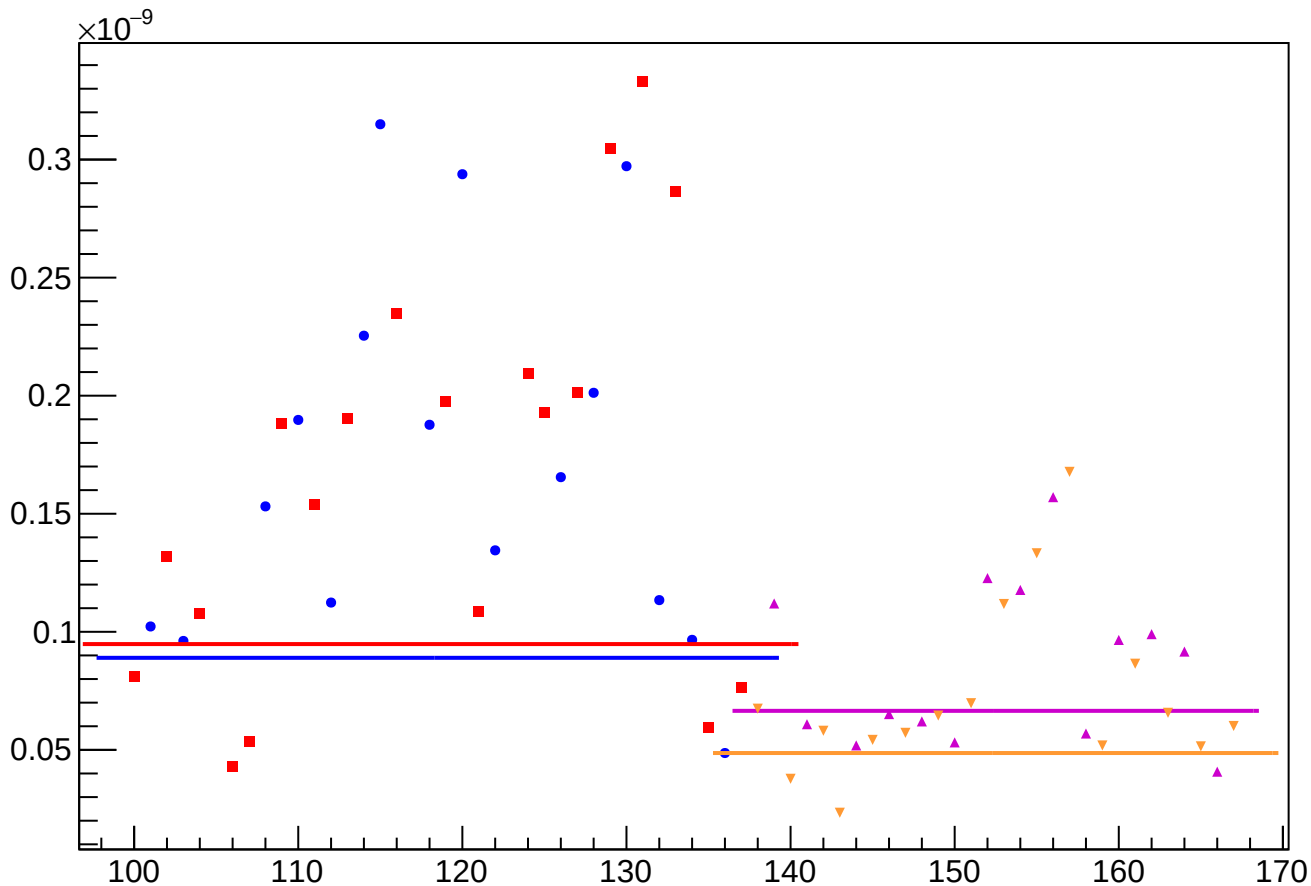
Left In: -0.000 ± 0.000 χ^2/NDF : 9.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 30.5/31

All: -0.000 ± 0.000 χ^2/NDF : 56.4/64

- sign -0.000 ± 0.000 χ^2/NDF : 25.7/32

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 : 1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

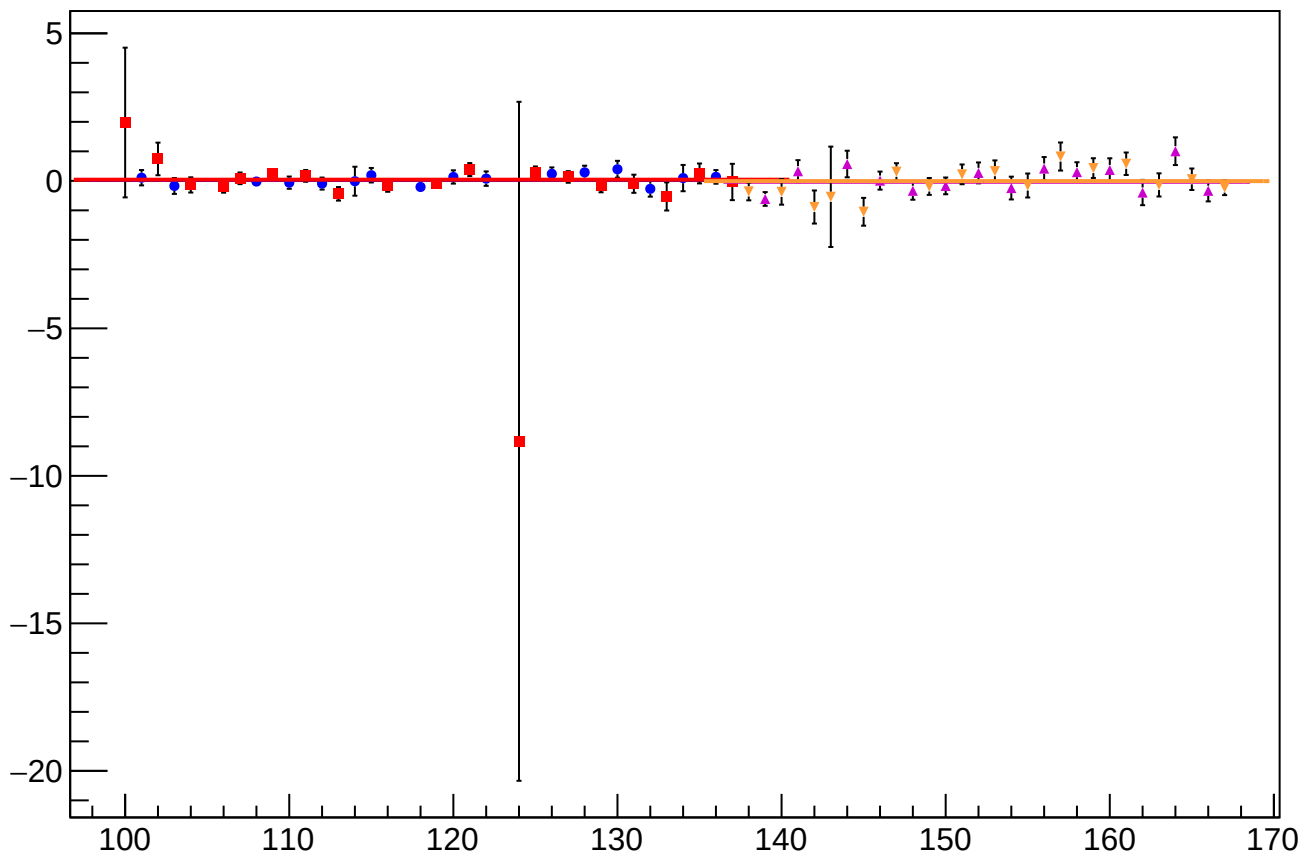
Left In: 0.000+/-0.000 χ^2/NDF : 1128190.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 4195488.6/31

All: 0.000+/-0.000 χ^2/NDF : 7820335.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3171919.7/32

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: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

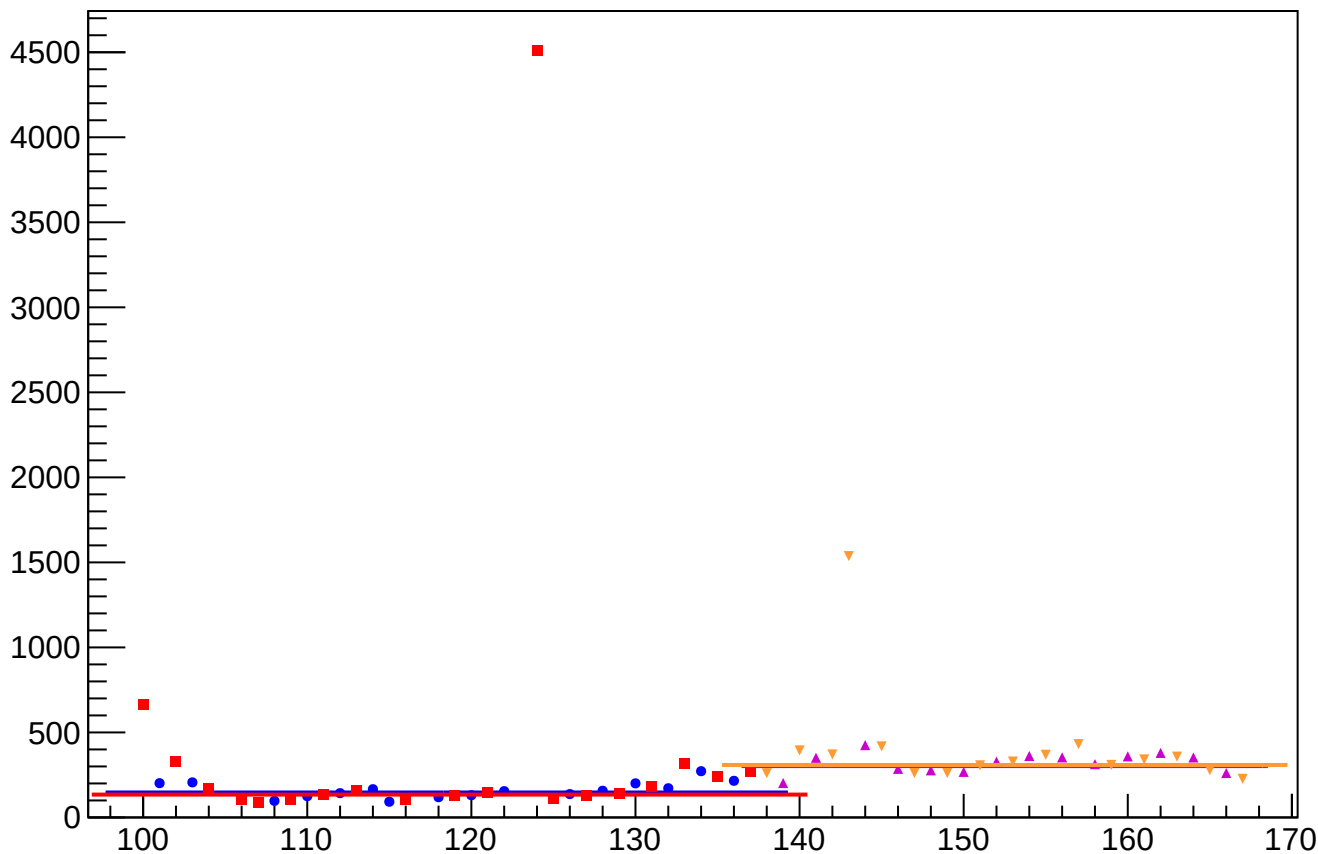
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 308.672 $\pm$ 0.064 χ^2 /NDF: 1856686.7/15

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

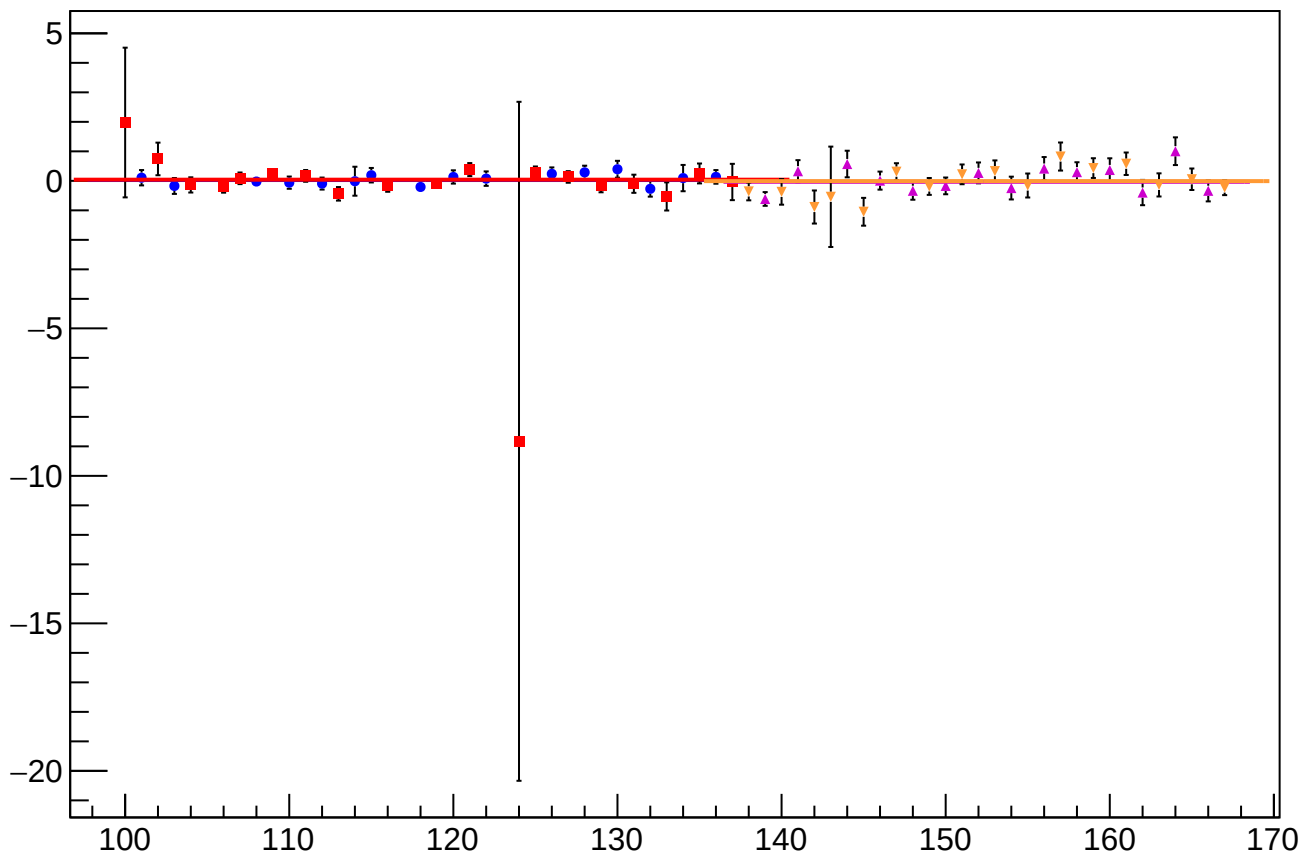
Left In: 302.097 $\pm$ 0.065 χ^2 /NDF: 849625.7/13

+ sign 193.213 $\pm$ 0.034 χ^2 /NDF: 7364639.7/31

All: 185.611 $\pm$ 0.024 χ^2 /NDF: 14832301.6/64

- sign 178.530 $\pm$ 0.033 χ^2 /NDF: 7373675.3/32

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: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

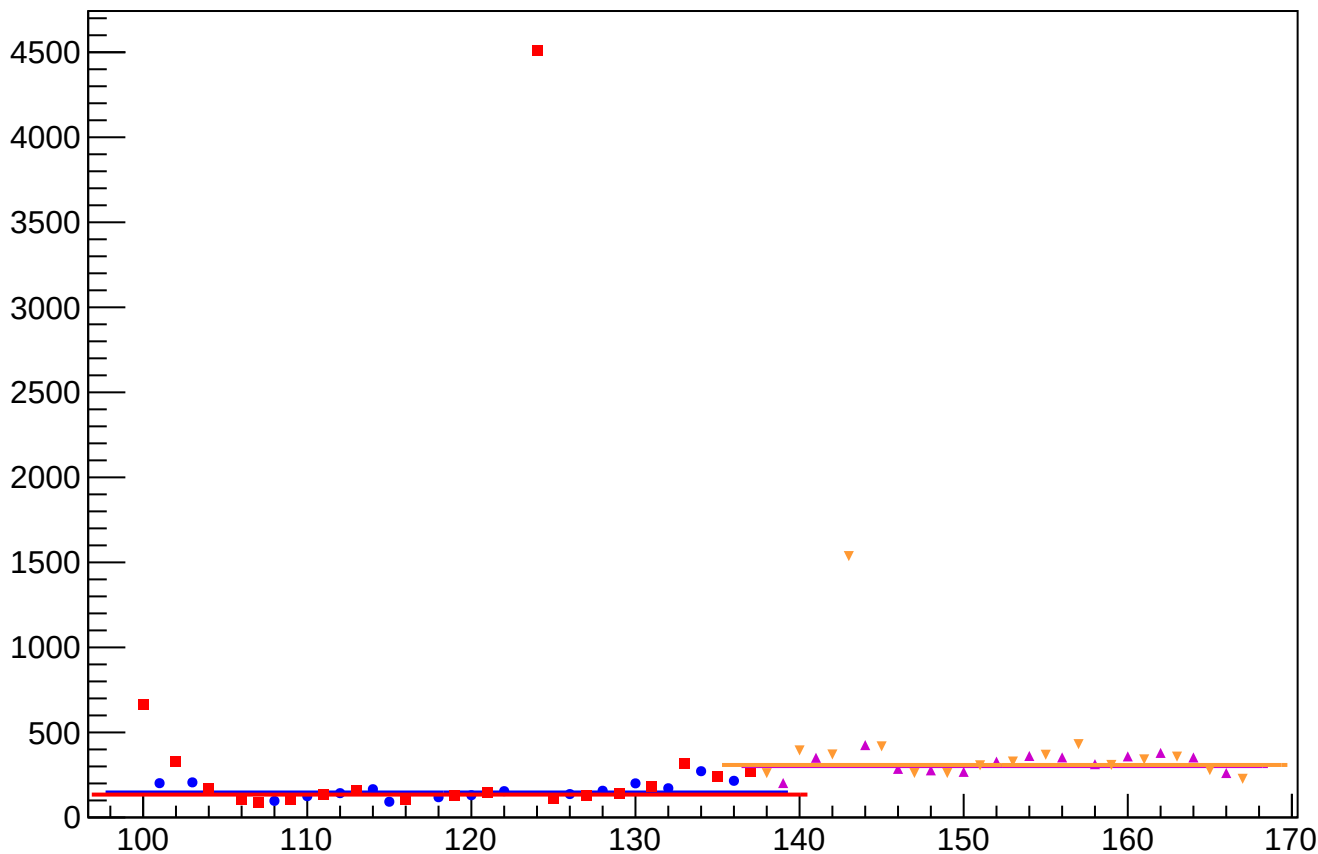
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

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: 308.672+/-0.064 χ^2/NDF : 1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

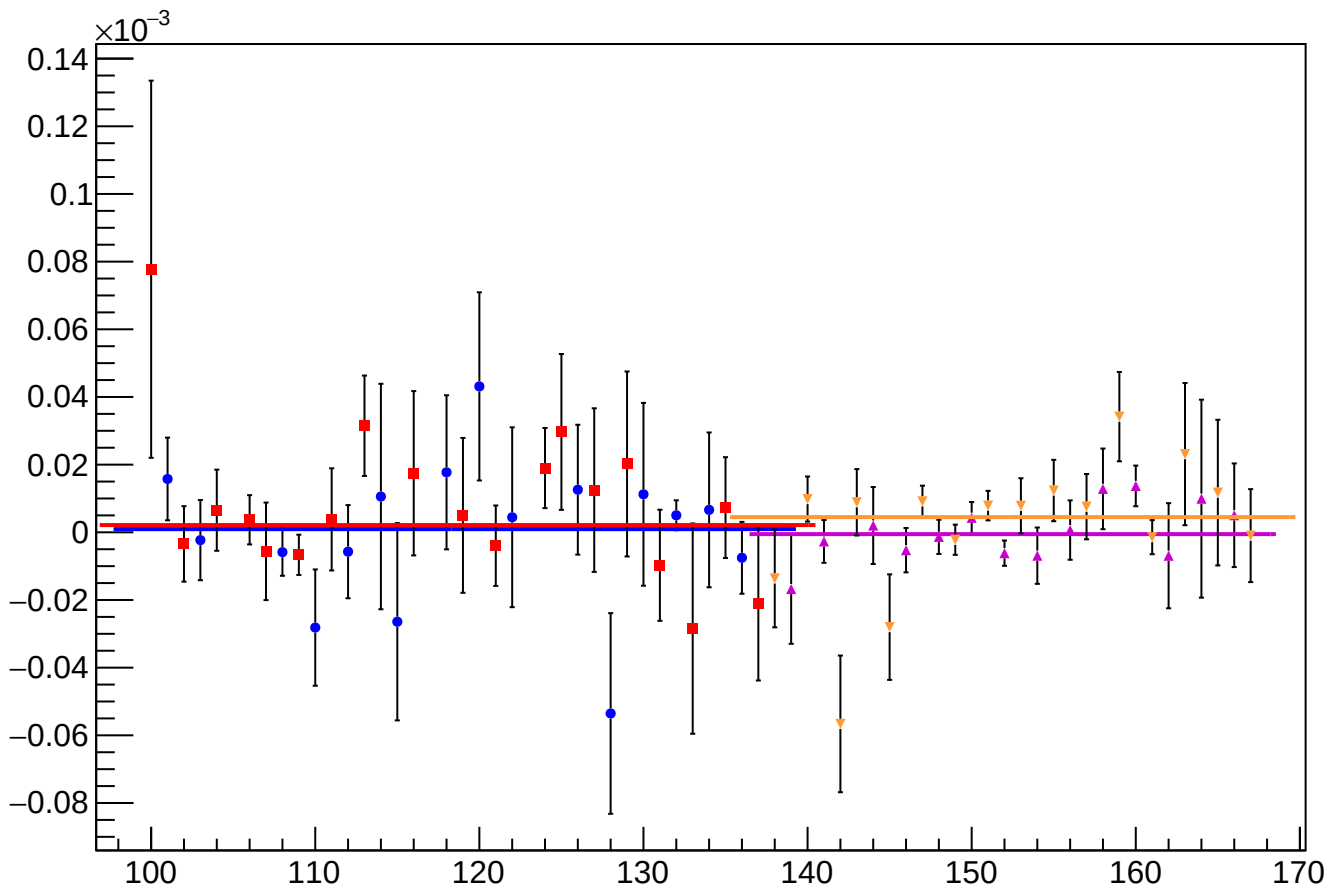
Left In: 302.097+/-0.065 χ^2/NDF : 849625.7/13

+ sign 193.213+/-0.034 χ^2/NDF : 7364639.7/31

All: 185.611+/-0.024 χ^2/NDF : 14832301.6/64

- sign 178.530+/-0.033 χ^2/NDF : 7373675.3/32

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:28.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

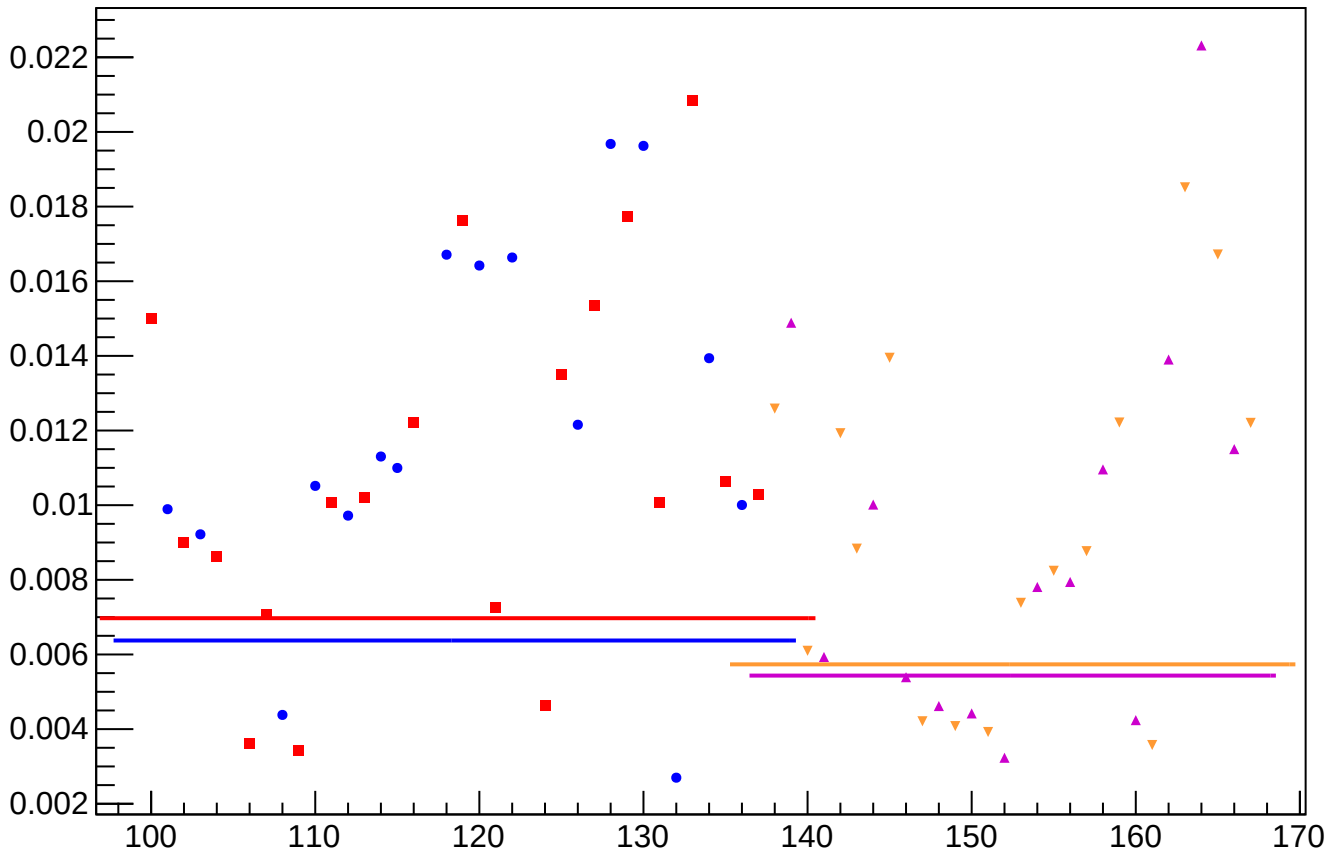
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.2/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 75.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/32

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: 0.006+/-0.000 χ^2/NDF : 5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

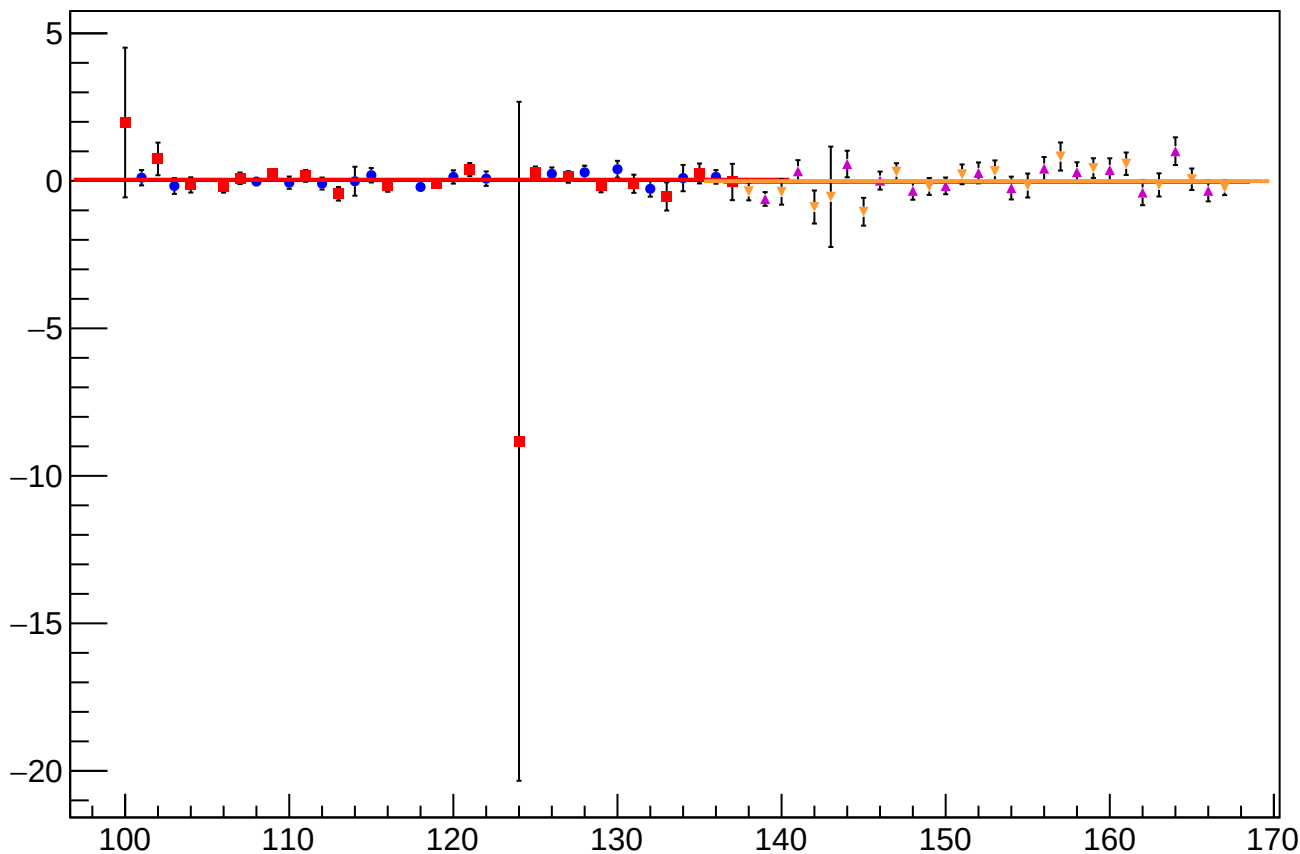
Left In: 0.005+/-0.000 χ^2/NDF : 4269470.8/13

+ sign 0.006+/-0.000 χ^2/NDF : 9927954.7/31

All: 0.006+/-0.000 χ^2/NDF : 17985534.8/64

- sign 0.006+/-0.000 χ^2/NDF : 8056075.7/32

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: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

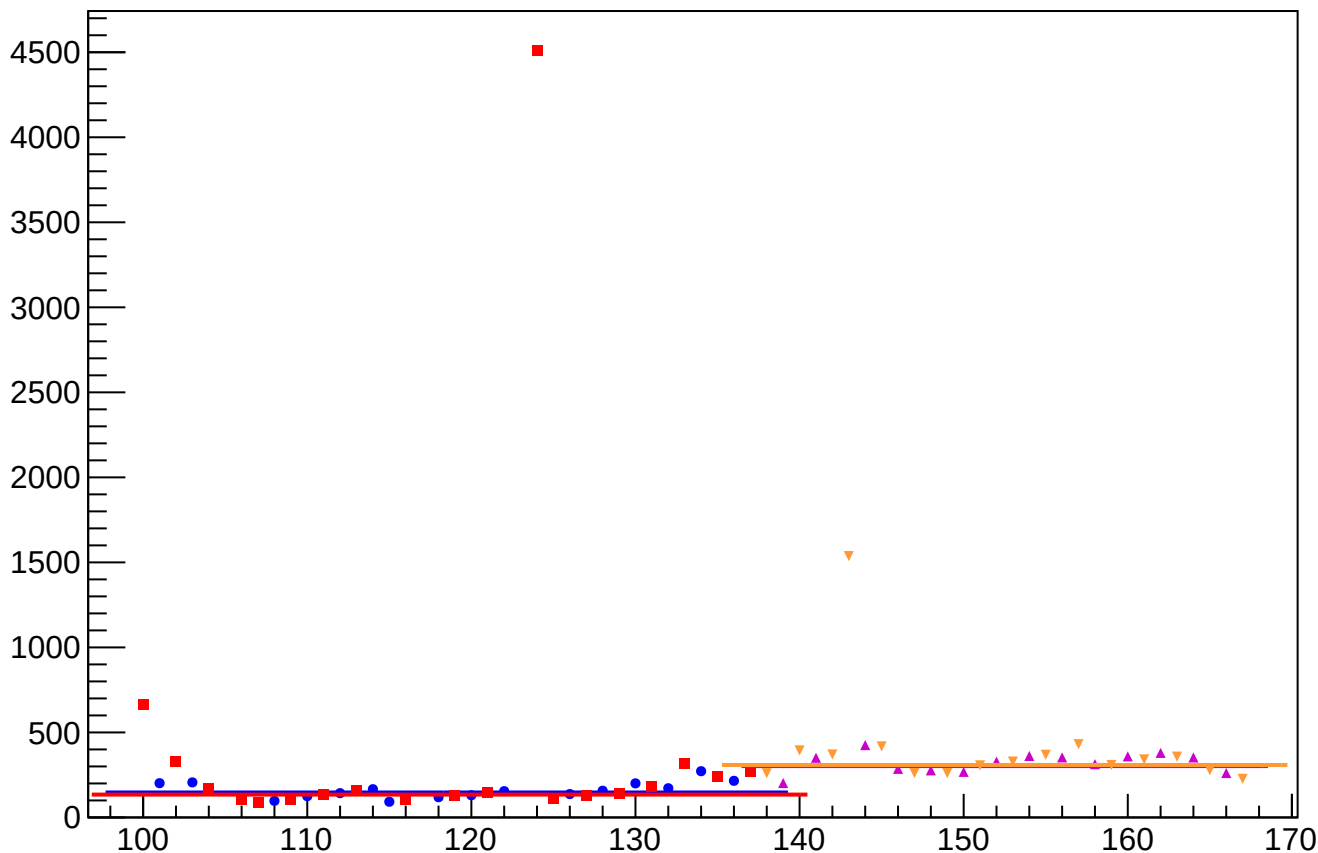
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

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: 308.676 $\pm$ 0.064 χ^2/NDF : 1856703.9/15

Right Out: 134.506 $\pm$ 0.039 χ^2/NDF : 1606310.4/18

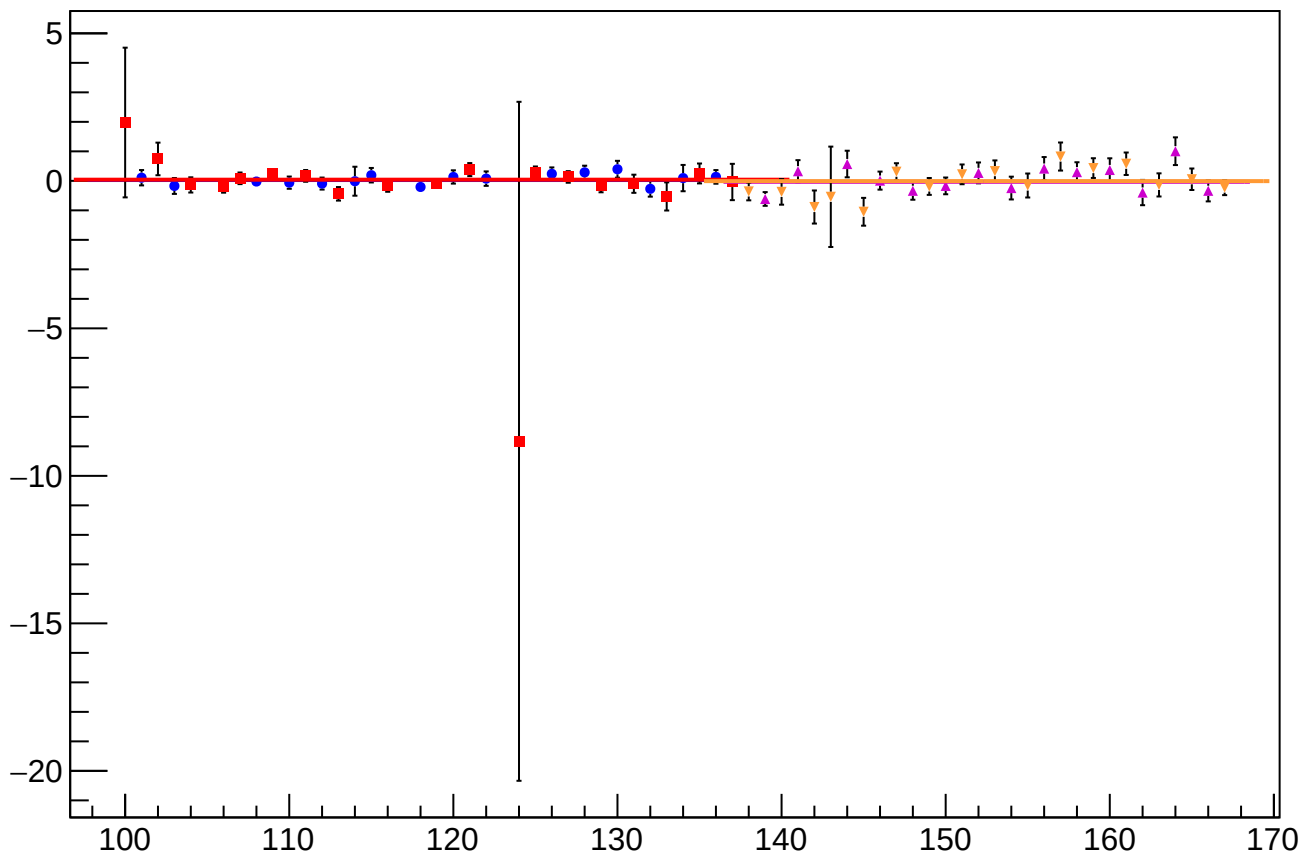
Left In: 302.102 $\pm$ 0.065 χ^2/NDF : 849621.2/13

+ sign 193.213 $\pm$ 0.034 χ^2/NDF : 7364748.7/31

All: 185.612 $\pm$ 0.024 χ^2/NDF : 14832371.8/64

- sign 178.531 $\pm$ 0.033 χ^2/NDF : 7373656.2/32

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

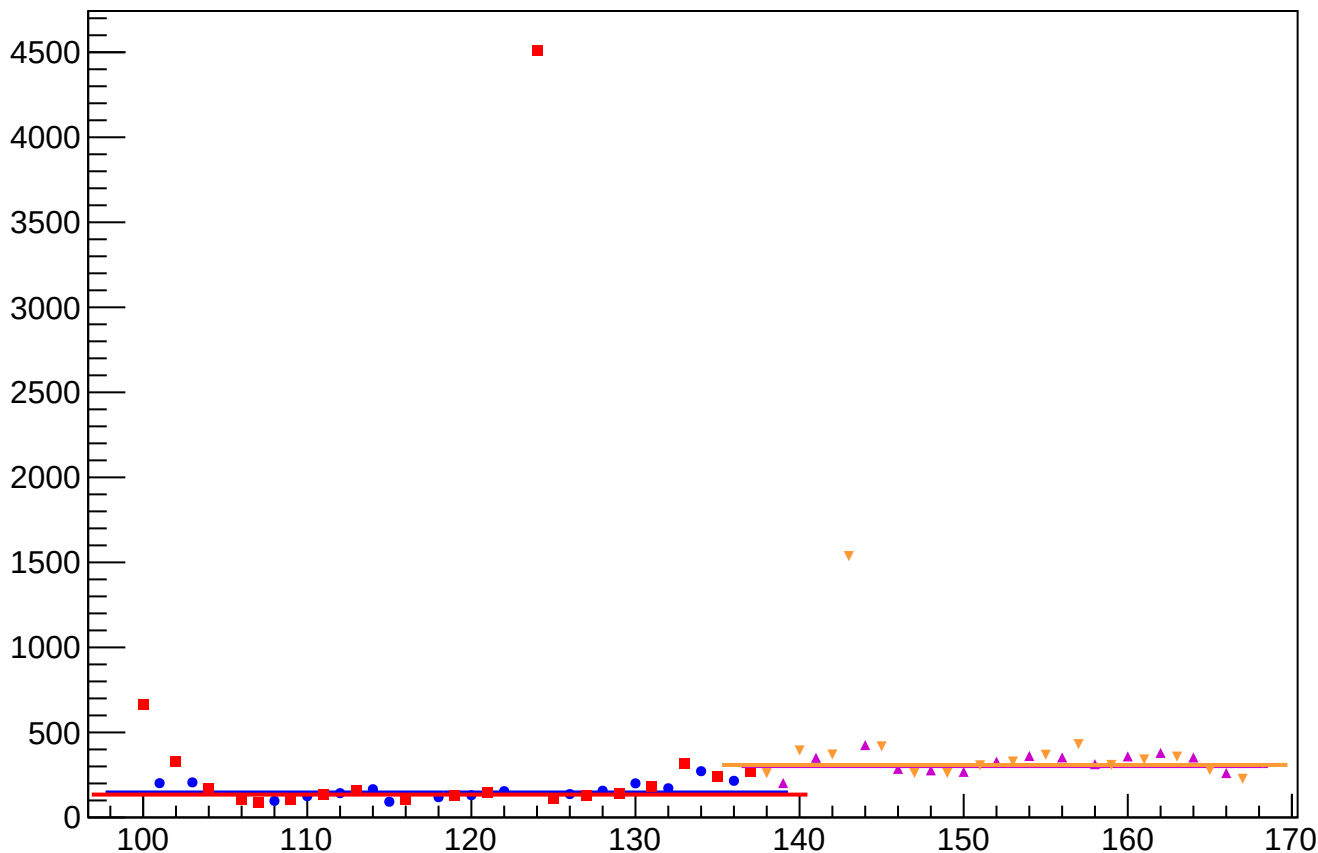
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998646.8/15

Left Out: 308.676 $\pm$ 0.064 χ^2 /NDF:1856703.9/15

Right Out: 134.506 $\pm$ 0.039 χ^2 /NDF: 1606310.4/18

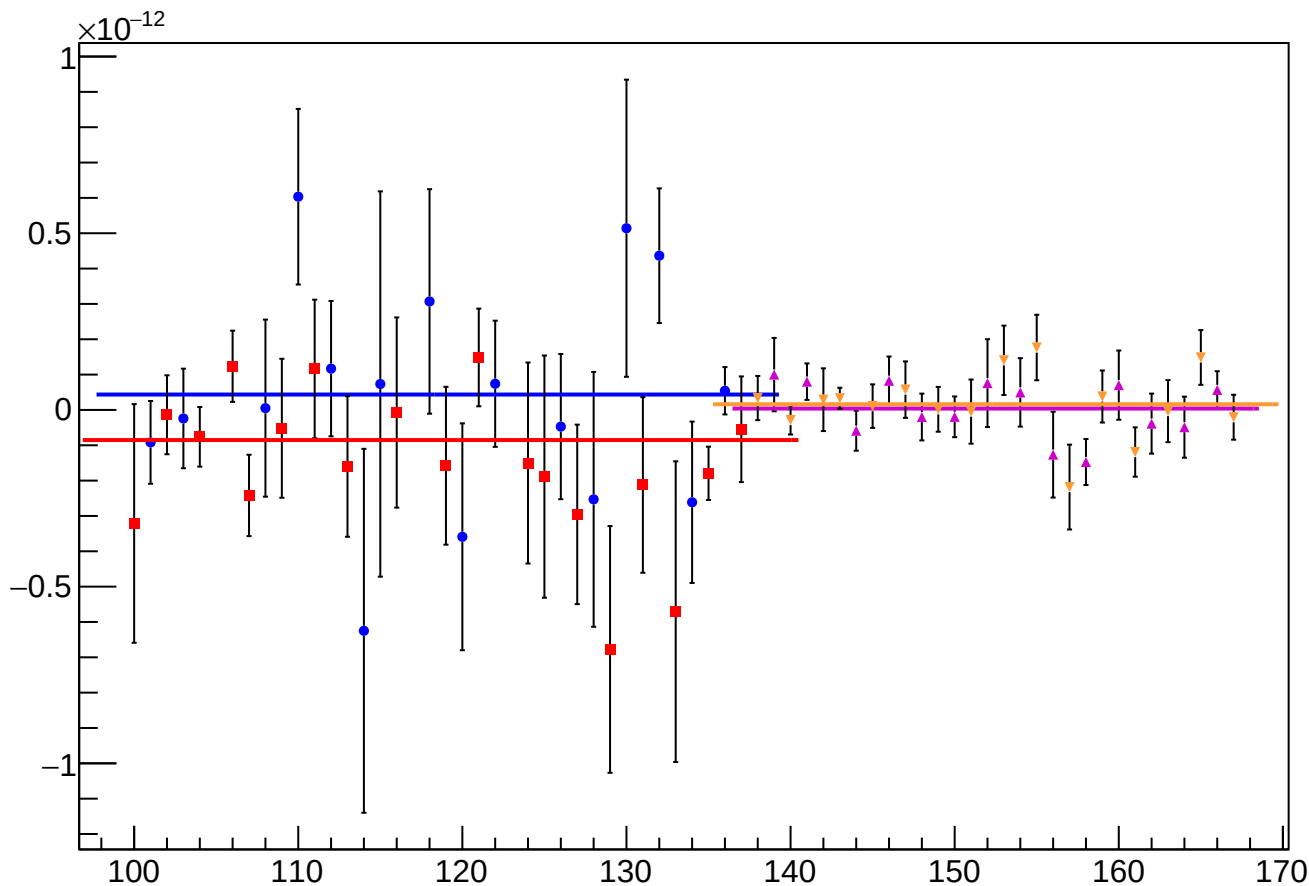
Left In: 302.102 $\pm$ 0.065 χ^2 /NDF:849621.2/13

+ sign 193.213 $\pm$ 0.034 χ^2 /NDF: 7364748.7/31

All: 185.612 $\pm$ 0.024 χ^2 /NDF: 14832371.8/64

- sign 178.531 $\pm$ 0.033 χ^2 /NDF: 7373656.2/32

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: 17.6/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

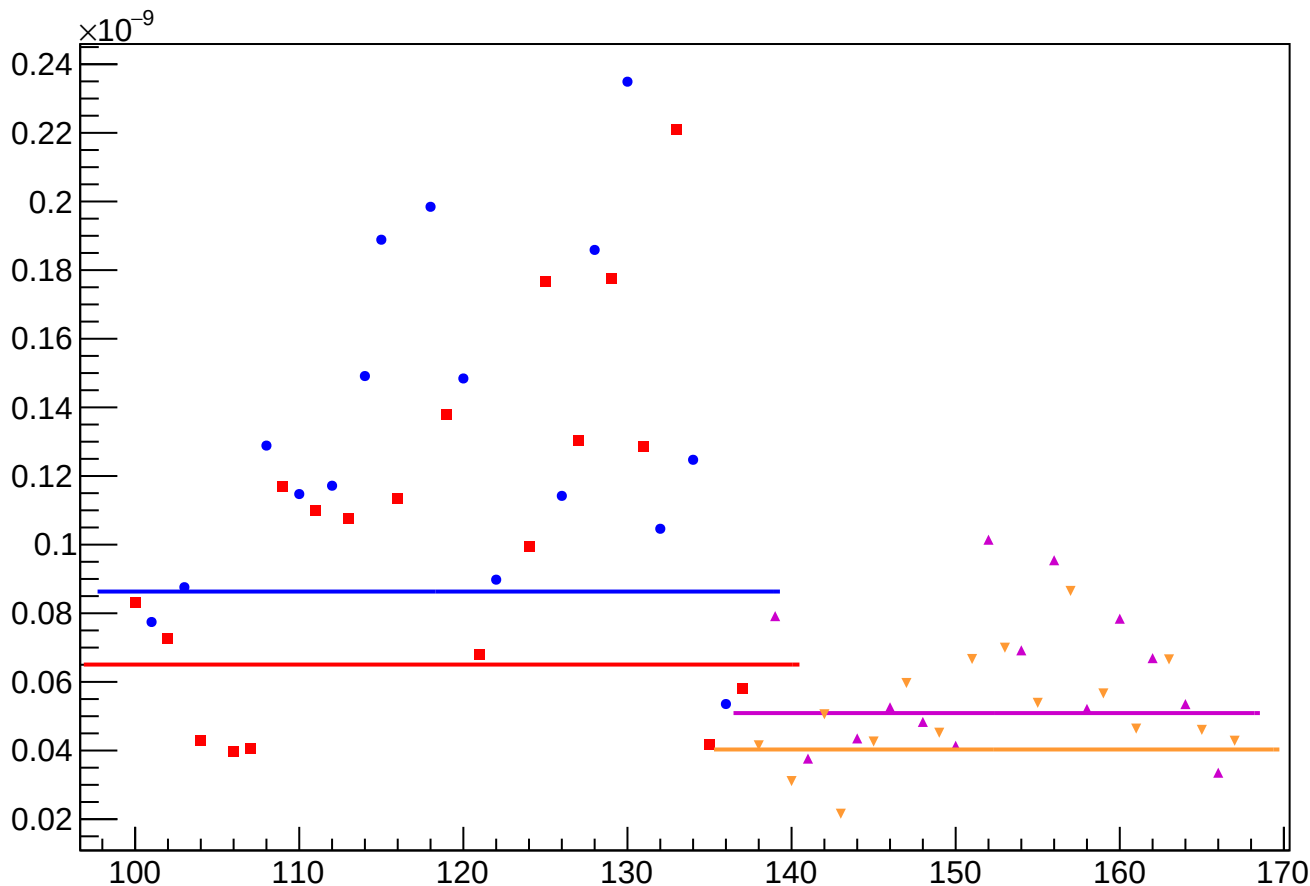
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.0/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/32

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 : 2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

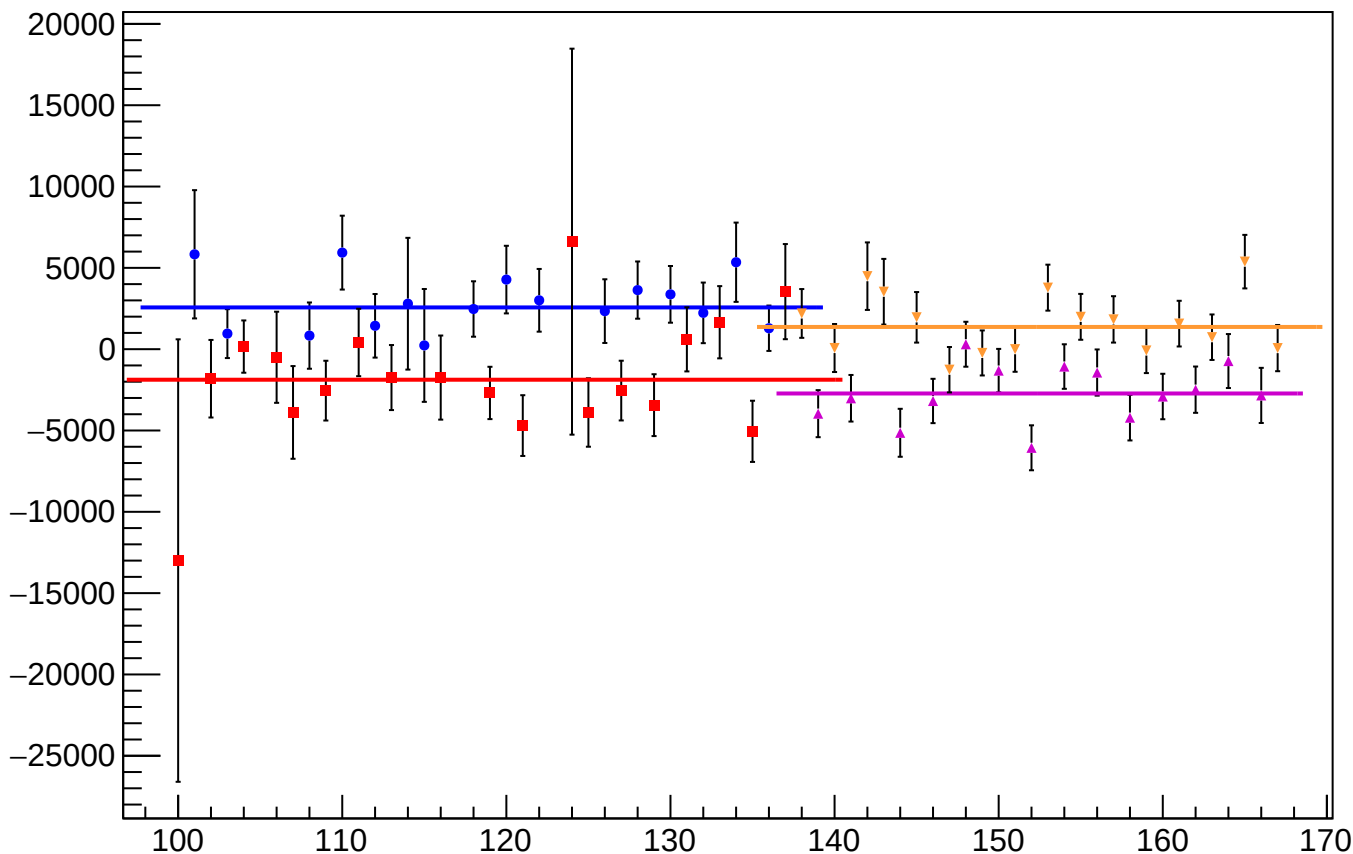
Left In: 0.000+/-0.000 χ^2/NDF : 1490918.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5670170.6/31

All: 0.000+/-0.000 χ^2/NDF : 9879379.1/64

- sign 0.000+/-0.000 χ^2/NDF : 3909834.4/32

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460 ± 495.364 χ^2/NDF : 9.0/15

Left Out: 1367.249 ± 371.537 χ^2/NDF : 21.8/15

Right Out: -1878.030 ± 494.719 χ^2/NDF : 19.5/18

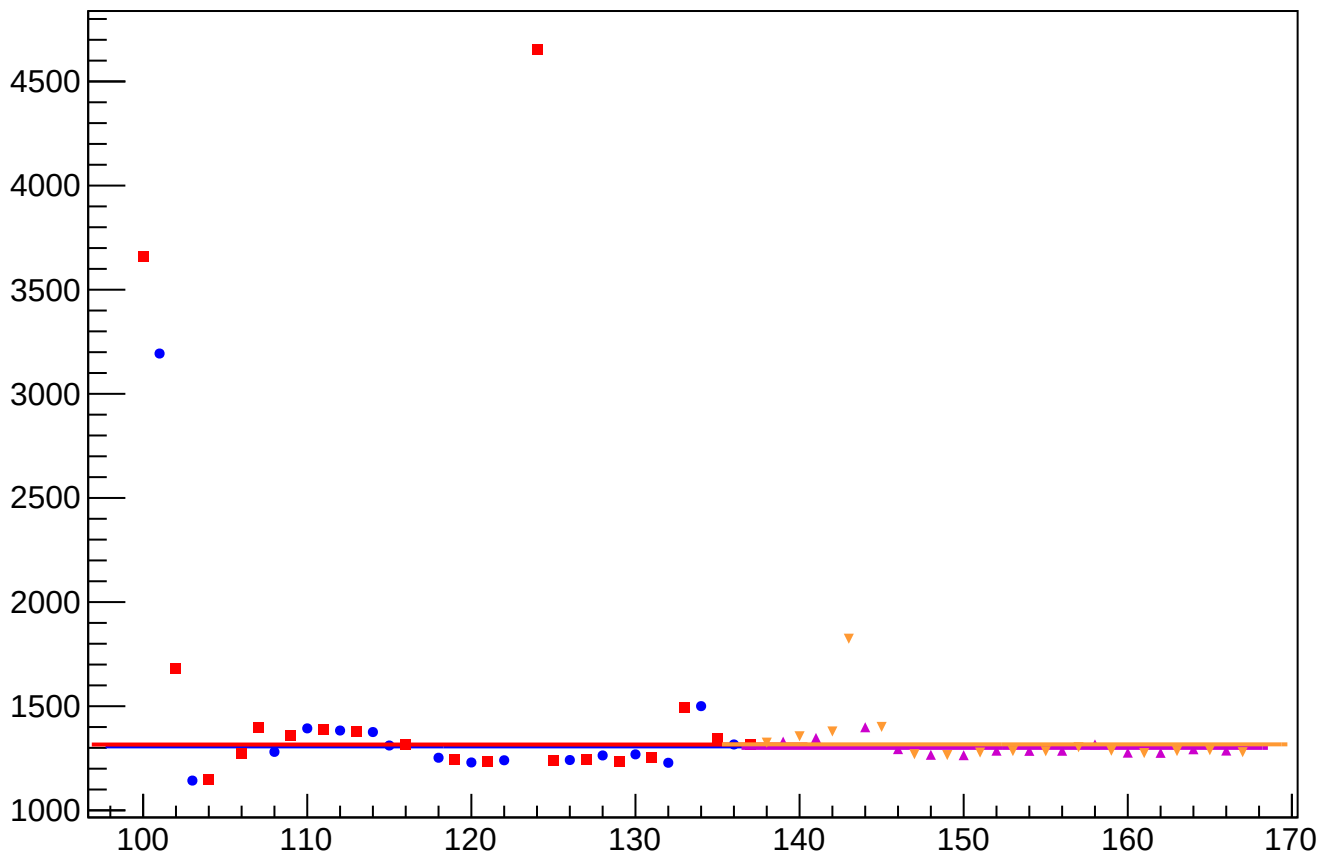
Left In: -2724.002 ± 382.705 χ^2/NDF : 20.2/13

+ sign 1799.346 ± 297.226 χ^2/NDF : 34.6/31

All: -265.559 ± 212.081 χ^2/NDF : 174.5/64

- sign -2407.283 ± 302.704 χ^2/NDF : 41.6/32

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068 $\pm$ 0.350 χ^2 /NDF: 516249.0/15

Left Out: 1316.856 $\pm$ 0.263 χ^2 /NDF: 150139.3/15

Right Out: 1315.999 $\pm$ 0.349 χ^2 /NDF: 326420.0/18

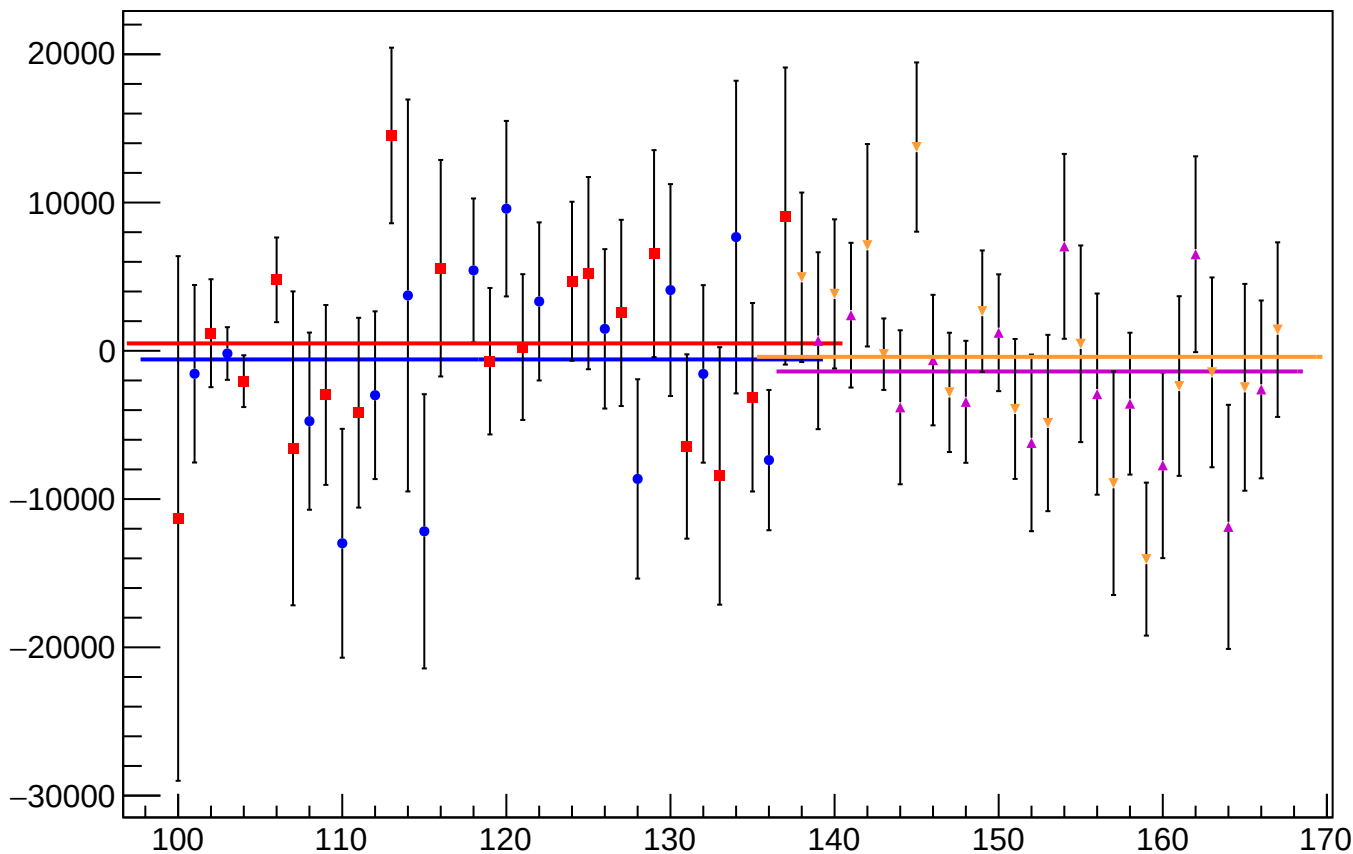
Left In: 1299.952 $\pm$ 0.271 χ^2 /NDF: 16758.9/13

+ sign 1313.332 $\pm$ 0.210 χ^2 /NDF: 666888.1/31

All: 1309.720 $\pm$ 0.150 χ^2 /NDF: 1011989.2/64

- sign 1305.980 $\pm$ 0.214 χ^2 /NDF: 344499.8/32

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: -407.548+/-1223.574 χ^2/NDF : 19.6/15

Right Out: 500.098+/-1055.434 χ^2/NDF : 17.7/18

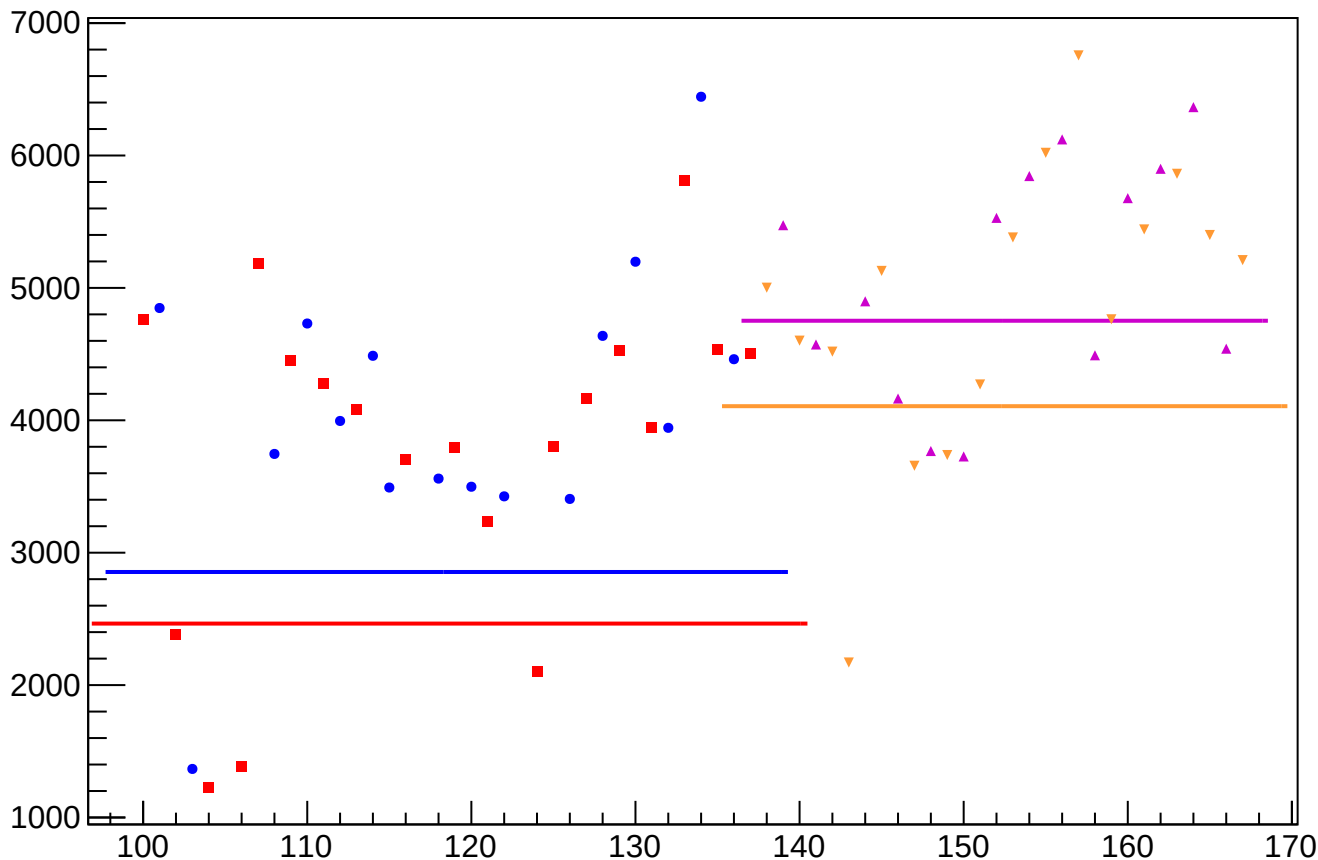
Left In: -1393.435+/-1424.804 χ^2/NDF : 8.5/13

+ sign -496.883+/-854.132 χ^2/NDF : 34.4/31

All: -332.681+/-601.817 χ^2/NDF : 61.8/64

- sign -170.792+/-848.095 χ^2/NDF : 27.4/32

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: 4106.590+/-0.865 χ^2/NDF : 2397438.5/15

Right Out: 2464.593+/-0.746 χ^2/NDF : 3355947.0/18

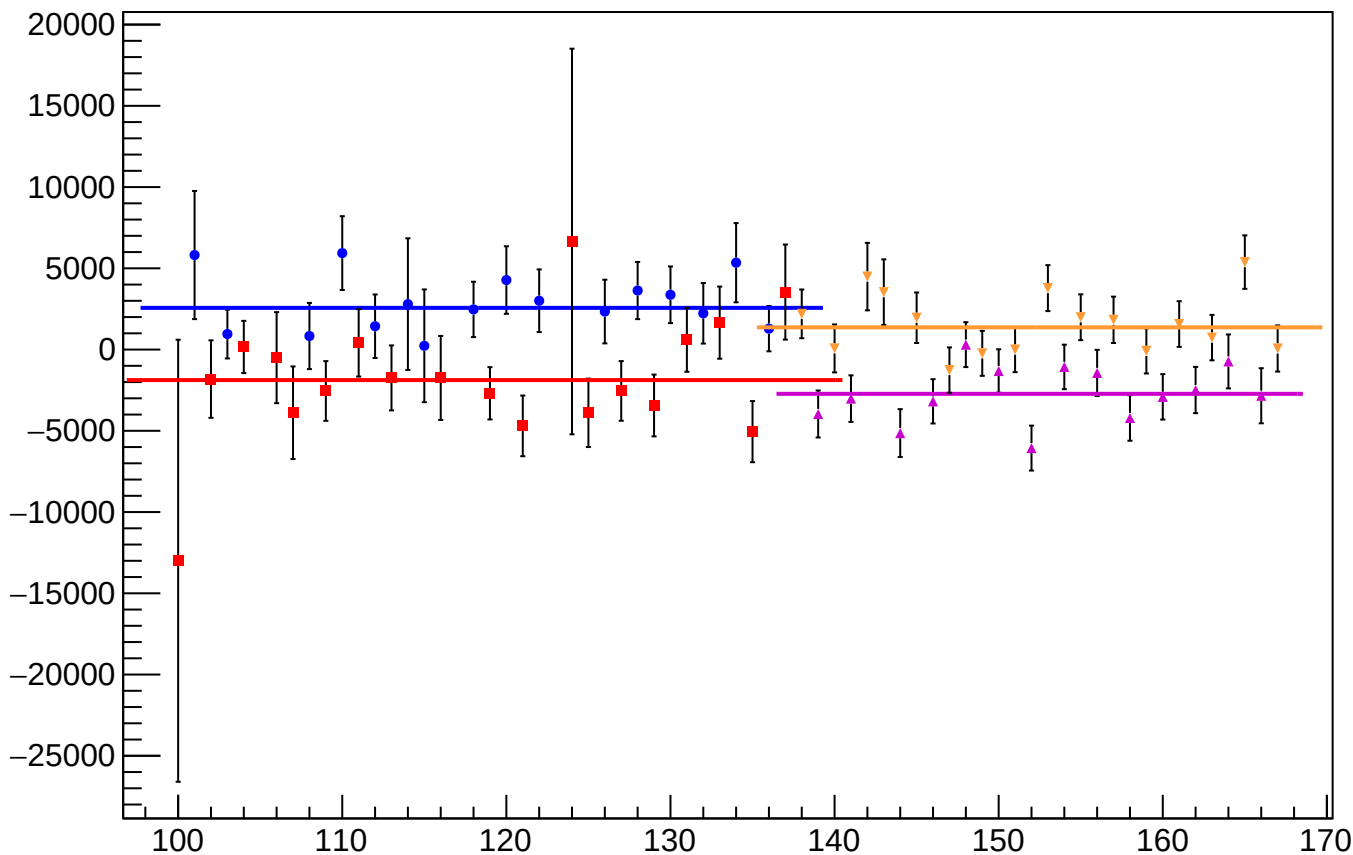
Left In: 4751.862+/-1.007 χ^2/NDF : 685440.3/13

+ sign 3464.531+/-0.604 χ^2/NDF : 6376371.6/31

All: 3369.086+/-0.426 χ^2/NDF : 13795336.6/6

- sign 3274.986+/-0.600 χ^2/NDF : 7369369.3/32

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180 $\pm$ 495.364 χ^2 /NDF: 9.0/15

Left Out: 1367.192 $\pm$ 371.537 χ^2 /NDF:21.8/15

Right Out: -1877.774 $\pm$ 494.719 χ^2 /NDF: 19.5/18

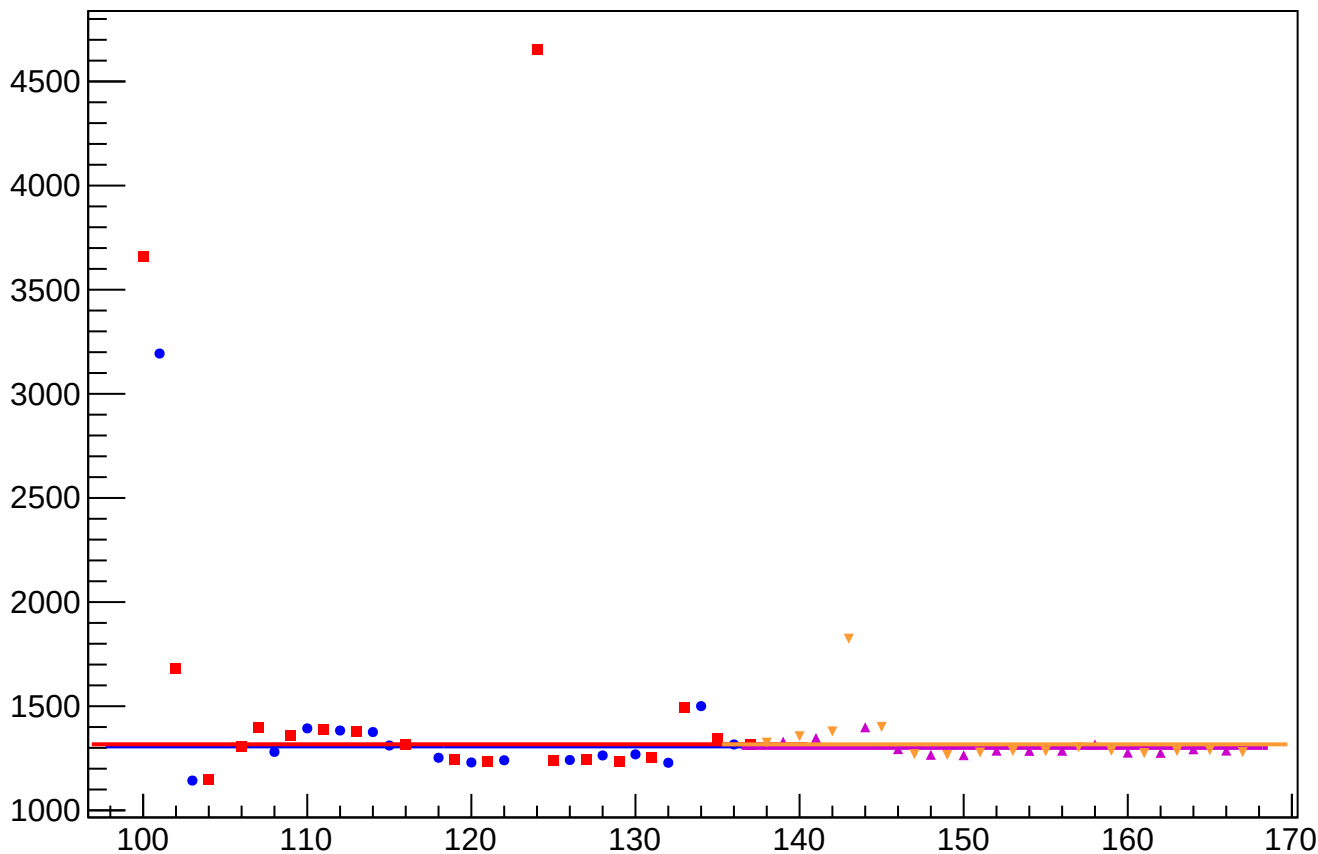
Left In: -2724.088 $\pm$ 382.705 χ^2 /NDF:20.2/13

+ sign 1799.208 $\pm$ 297.226 χ^2 /NDF: 34.6/31

All: -265.609 $\pm$ 212.081 χ^2 /NDF: 174.5/64

- sign -2407.241 $\pm$ 302.704 χ^2 /NDF: 41.6/32

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068 $\pm$ 0.350 χ^2 /NDF: 516250.6/15

Left Out: 1316.856 $\pm$ 0.263 χ^2 /NDF: 150139.3/15

Right Out: 1317.128 $\pm$ 0.349 χ^2 /NDF: 325926.8/18

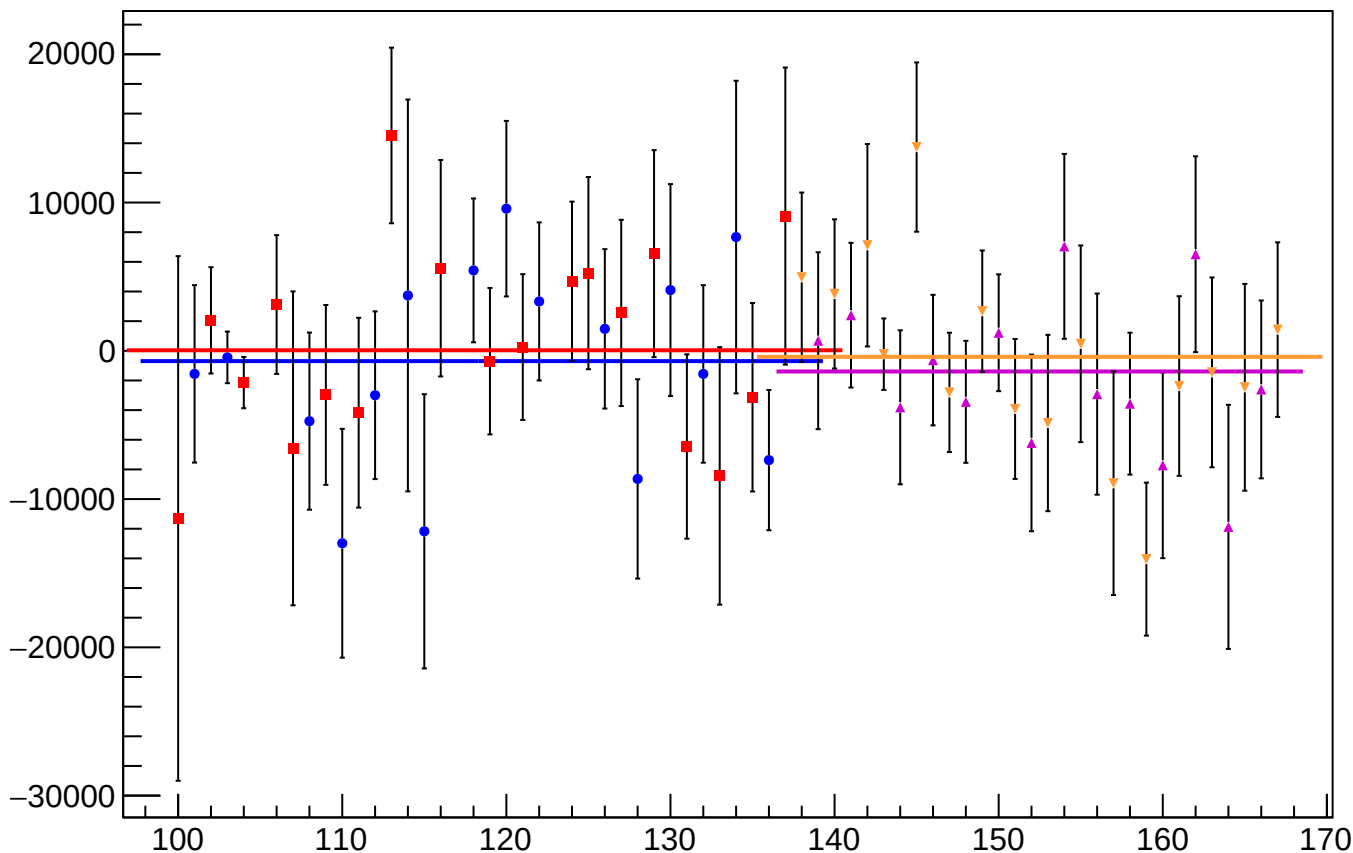
Left In: 1299.952 $\pm$ 0.271 χ^2 /NDF: 16758.9/13

+ sign 1313.332 $\pm$ 0.210 χ^2 /NDF: 666889.6/31

All: 1309.926 $\pm$ 0.150 χ^2 /NDF: 1011621.8/64

- sign 1306.398 $\pm$ 0.214 χ^2 /NDF: 344197.5/32

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: -407.550 ± 1223.569 χ^2/NDF : 19.6/15

Right Out: 36.115 ± 1098.207 χ^2/NDF : 15.9/18

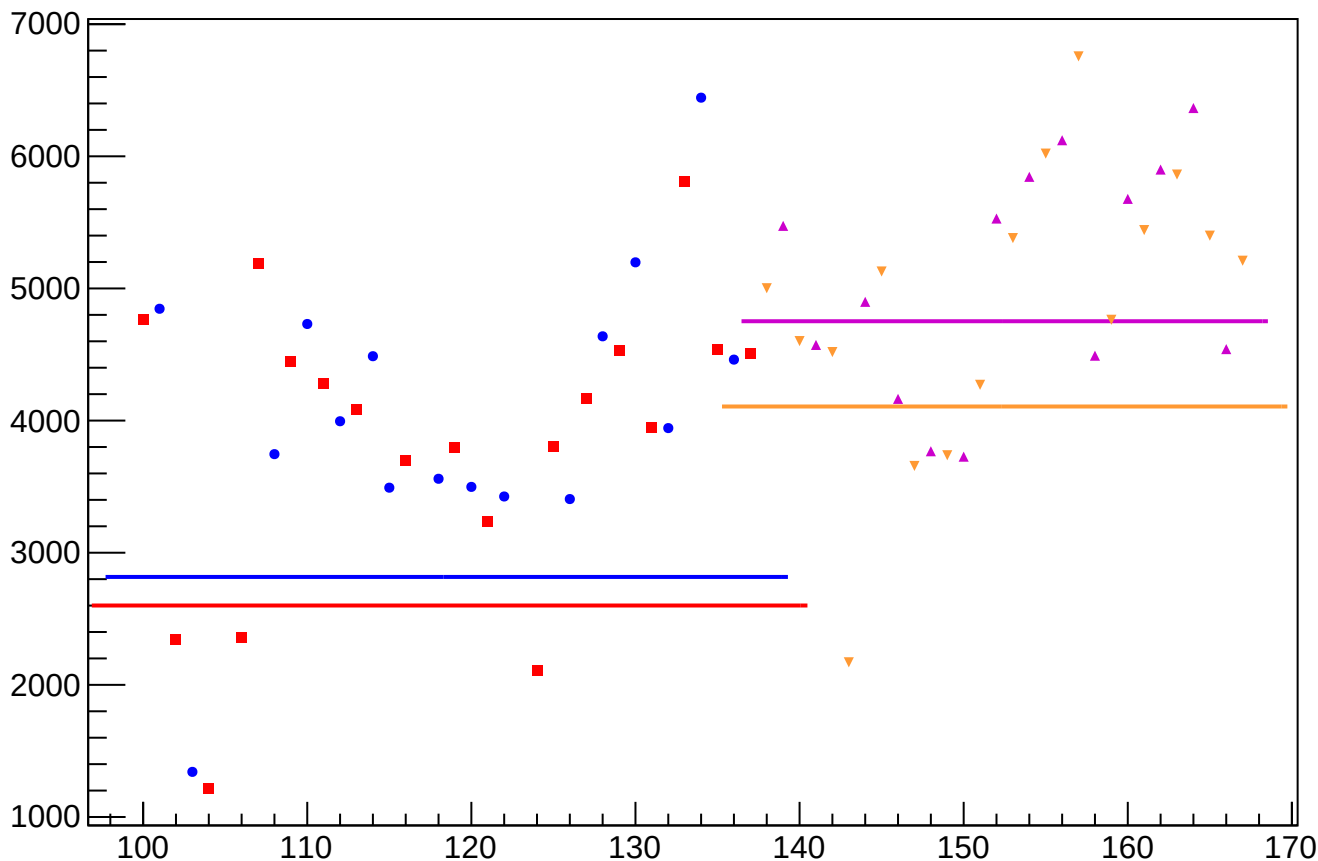
Left In: -1393.527 ± 1424.804 χ^2/NDF : 8.5/13

+ sign -556.317 ± 850.277 χ^2/NDF : 34.3/31

All: -527.182 ± 608.027 χ^2/NDF : 59.4/64

- sign -496.693 ± 869.814 χ^2/NDF : 25.1/32

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: 4106.567 $\pm$ 0.865 χ^2 /NDF: 2397512.2/15

Right Out: 2600.524 $\pm$ 0.777 χ^2 /NDF: 3080771.9/18

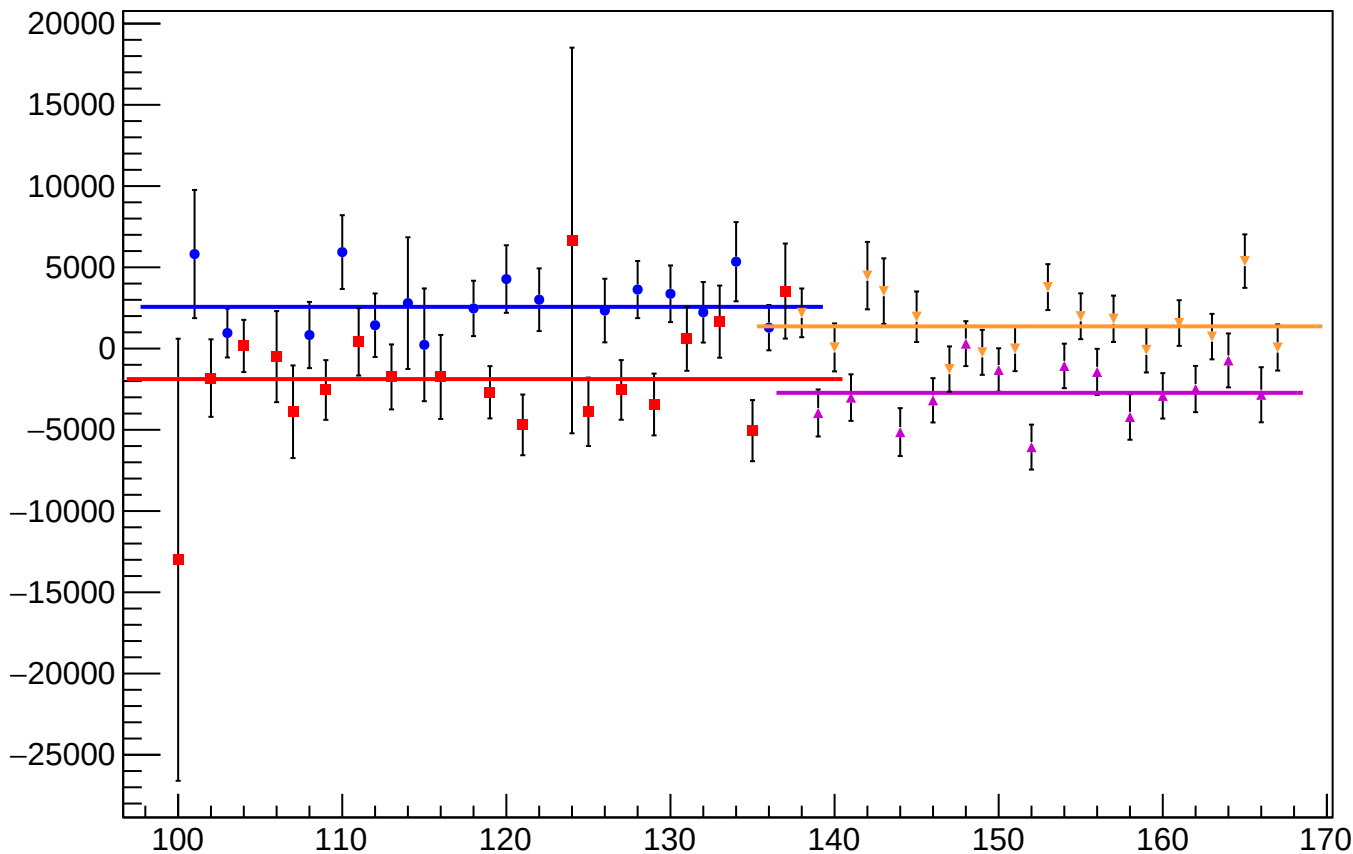
Left In: 4751.861 $\pm$ 1.007 χ^2 /NDF: 685446.8/13

+ sign 3439.630 $\pm$ 0.601 χ^2 /NDF: 6554227.0/31

All: 3421.388 $\pm$ 0.430 χ^2 /NDF: 13182694.9/6

- sign 3402.297 $\pm$ 0.615 χ^2 /NDF: 6626583.9/32

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: 1367.192 ± 371.537 χ^2/NDF : 21.8/15

Right Out: -1877.774 ± 494.719 χ^2/NDF : 19.5/18

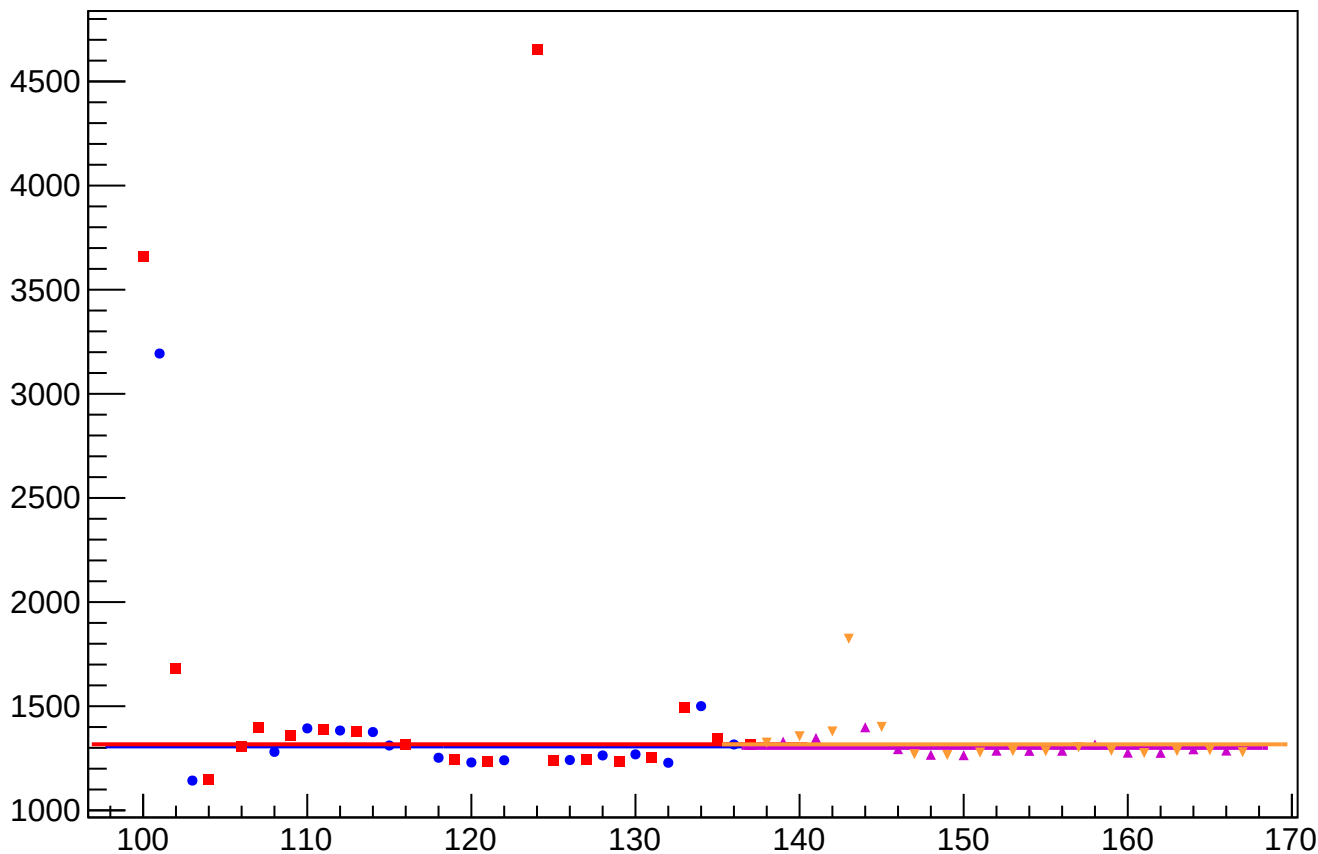
Left In: -2724.088 ± 382.705 χ^2/NDF : 20.2/13

+ sign 1799.208 ± 297.226 χ^2/NDF : 34.6/31

All: -265.609 ± 212.081 χ^2/NDF : 174.5/64

- sign -2407.241 ± 302.704 χ^2/NDF : 41.6/32

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068 $\pm$ 0.350 χ^2 /NDF: 516250.6/15

Left Out: 1316.856 $\pm$ 0.263 χ^2 /NDF: 150139.3/15

Right Out: 1317.128 $\pm$ 0.349 χ^2 /NDF: 325926.8/18

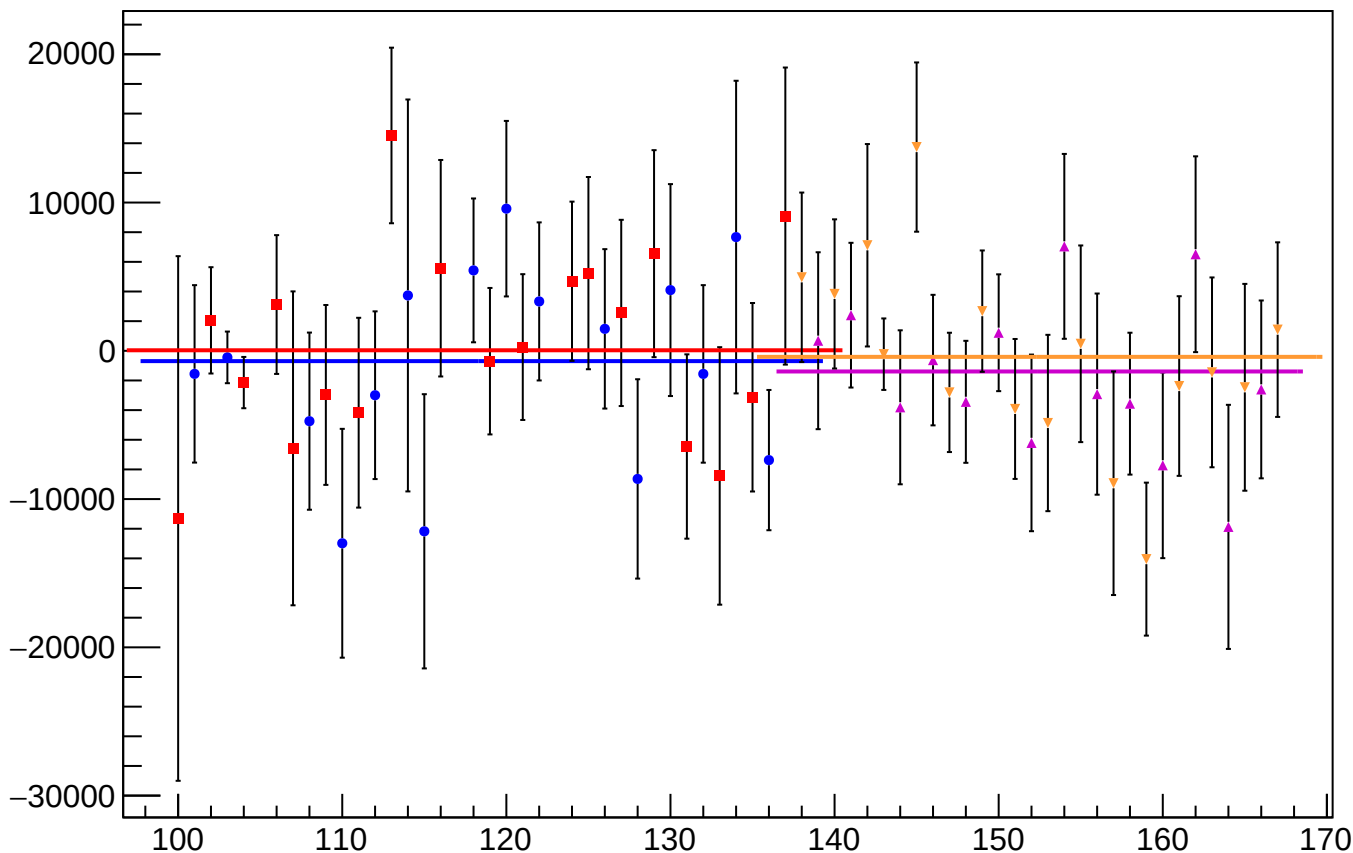
Left In: 1299.952 $\pm$ 0.271 χ^2 /NDF: 16758.9/13

+ sign 1313.332 $\pm$ 0.210 χ^2 /NDF: 666889.6/31

All: 1309.926 $\pm$ 0.150 χ^2 /NDF: 1011621.8/64

- sign 1306.398 $\pm$ 0.214 χ^2 /NDF: 344197.5/32

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: -407.550 ± 1223.569 χ^2/NDF : 19.6/15

Right Out: 36.115 ± 1098.207 χ^2/NDF : 15.9/18

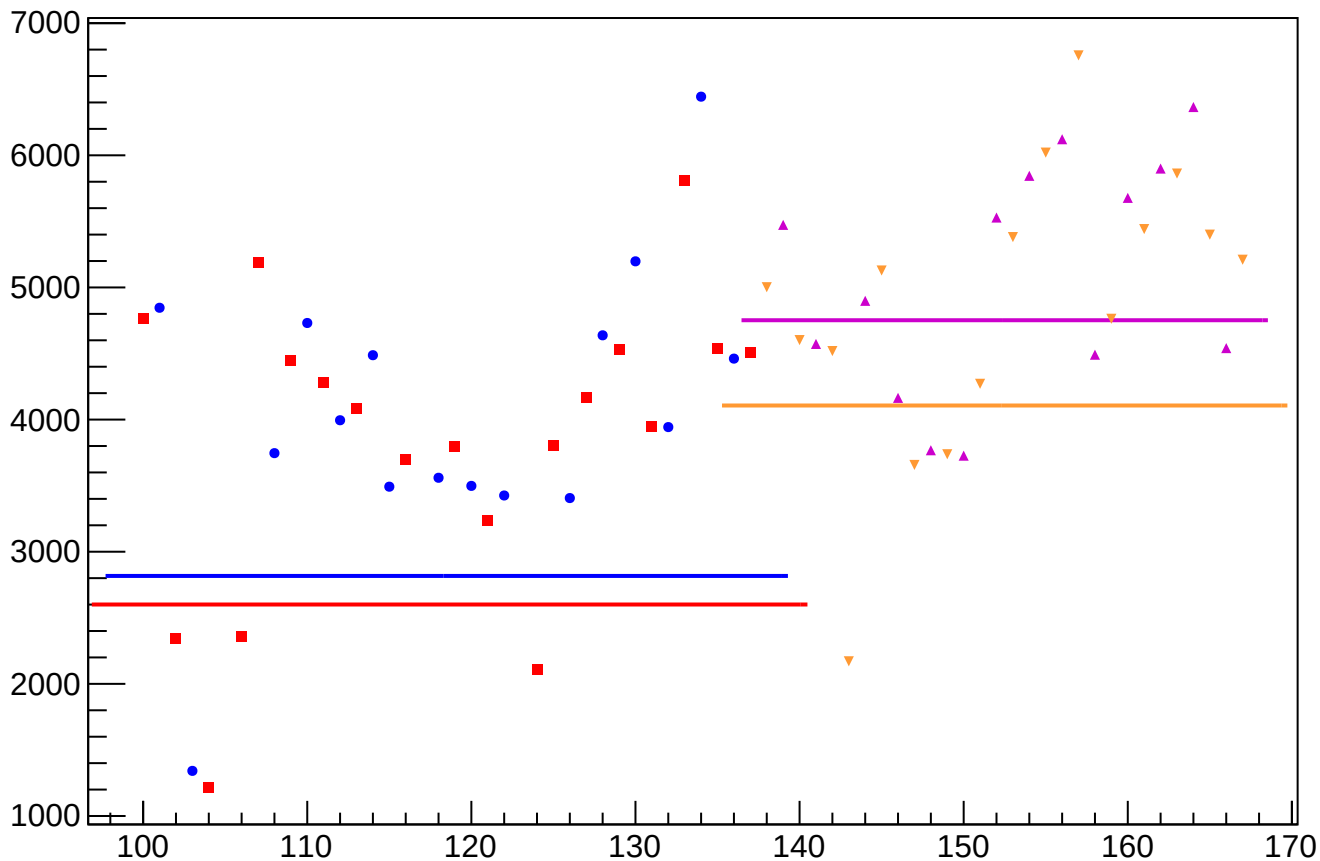
Left In: -1393.527 ± 1424.804 χ^2/NDF : 8.5/13

+ sign -556.317 ± 850.277 χ^2/NDF : 34.3/31

All: -527.182 ± 608.027 χ^2/NDF : 59.4/64

- sign -496.693 ± 869.814 χ^2/NDF : 25.1/32

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 2816.784 $\pm$ 0.836 χ^2 /NDF: 3007570.0/15

Left Out: 4106.567 $\pm$ 0.865 χ^2 /NDF: 2397512.2/15

Right Out: 2600.524 $\pm$ 0.777 χ^2 /NDF: 3080771.9/18

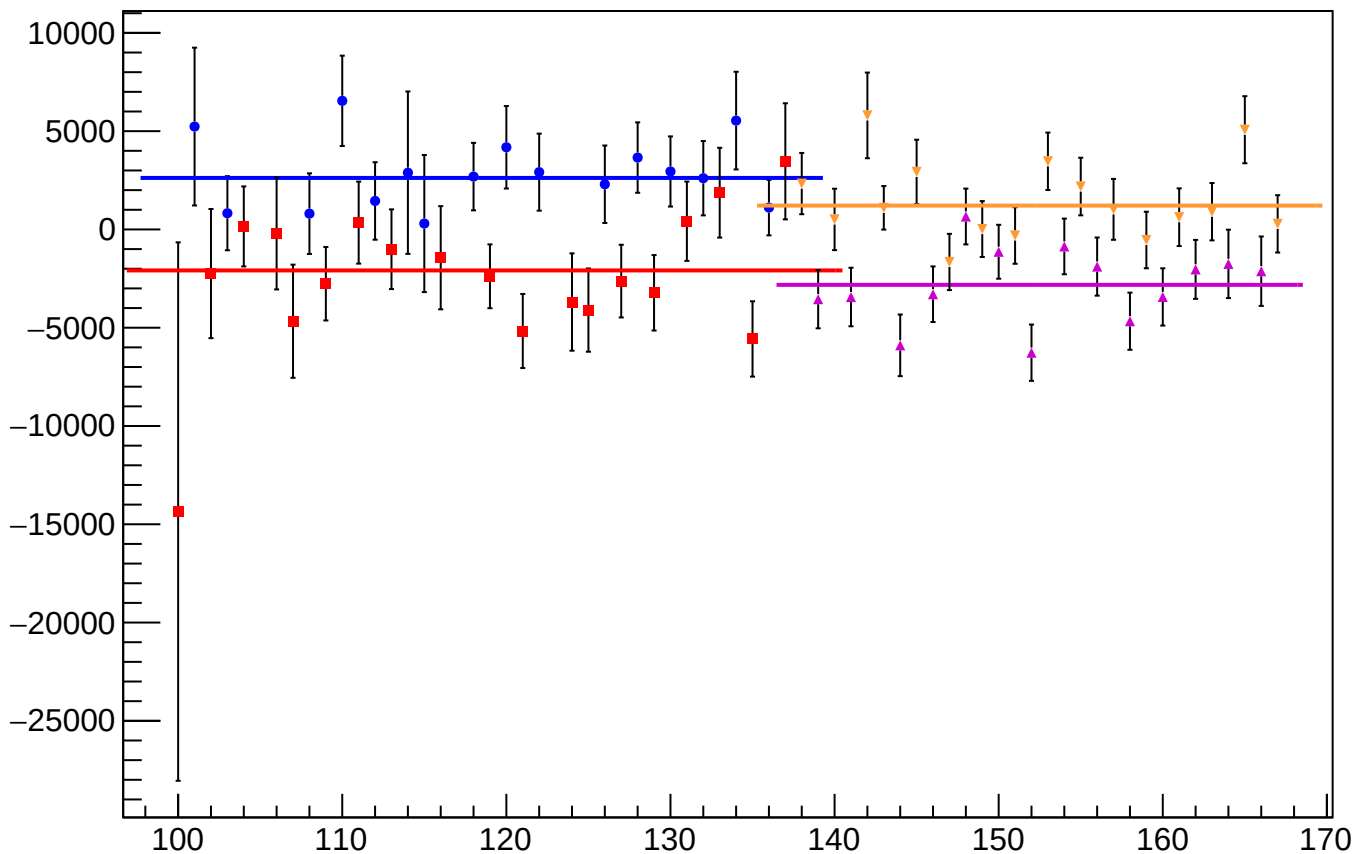
Left In: 4751.861 $\pm$ 1.007 χ^2 /NDF: 685446.8/13

+ sign 3439.630 $\pm$ 0.601 χ^2 /NDF: 6554227.0/31

All: 3421.388 $\pm$ 0.430 χ^2 /NDF: 13182694.9/6

- sign 3402.297 $\pm$ 0.615 χ^2 /NDF: 6626583.9/32

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: 1213.995 $\pm$ 370.818 χ^2 /NDF:22.2/15

Right Out: -2085.606 $\pm$ 504.873 χ^2 /NDF: 20.9/18

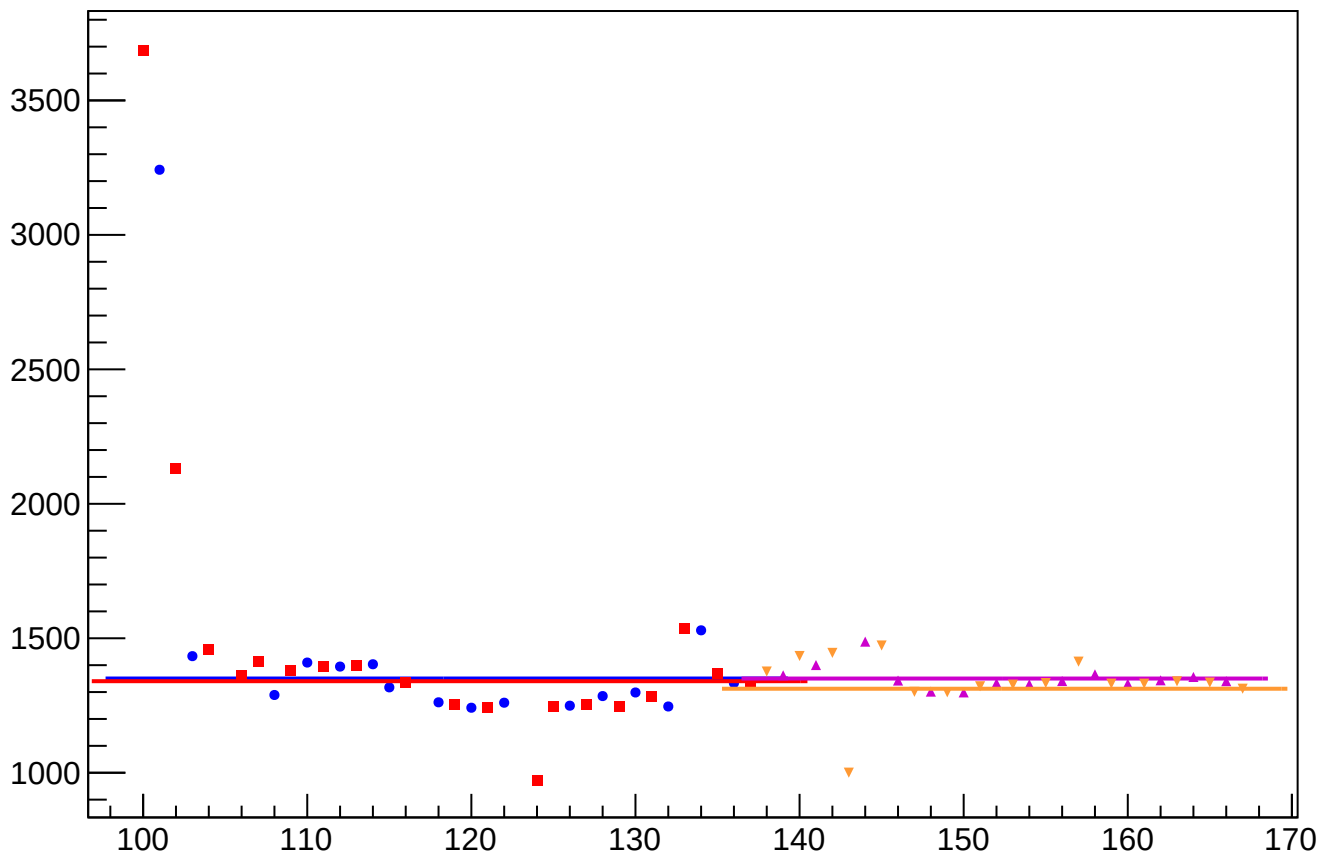
Left In: -2819.290 $\pm$ 397.644 χ^2 /NDF:22.6/13

+ sign 1698.545 $\pm$ 300.225 χ^2 /NDF: 36.4/31

All: -335.853 $\pm$ 216.463 χ^2 /NDF: 176.9/64

- sign -2538.404 $\pm$ 312.387 χ^2 /NDF: 44.9/32

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369 ± 0.362 χ^2/NDF : 494051.1/15

Left Out: 1312.363 ± 0.262 χ^2/NDF : 212467.6/15

Right Out: 1340.429 ± 0.357 χ^2/NDF : 272183.5/18

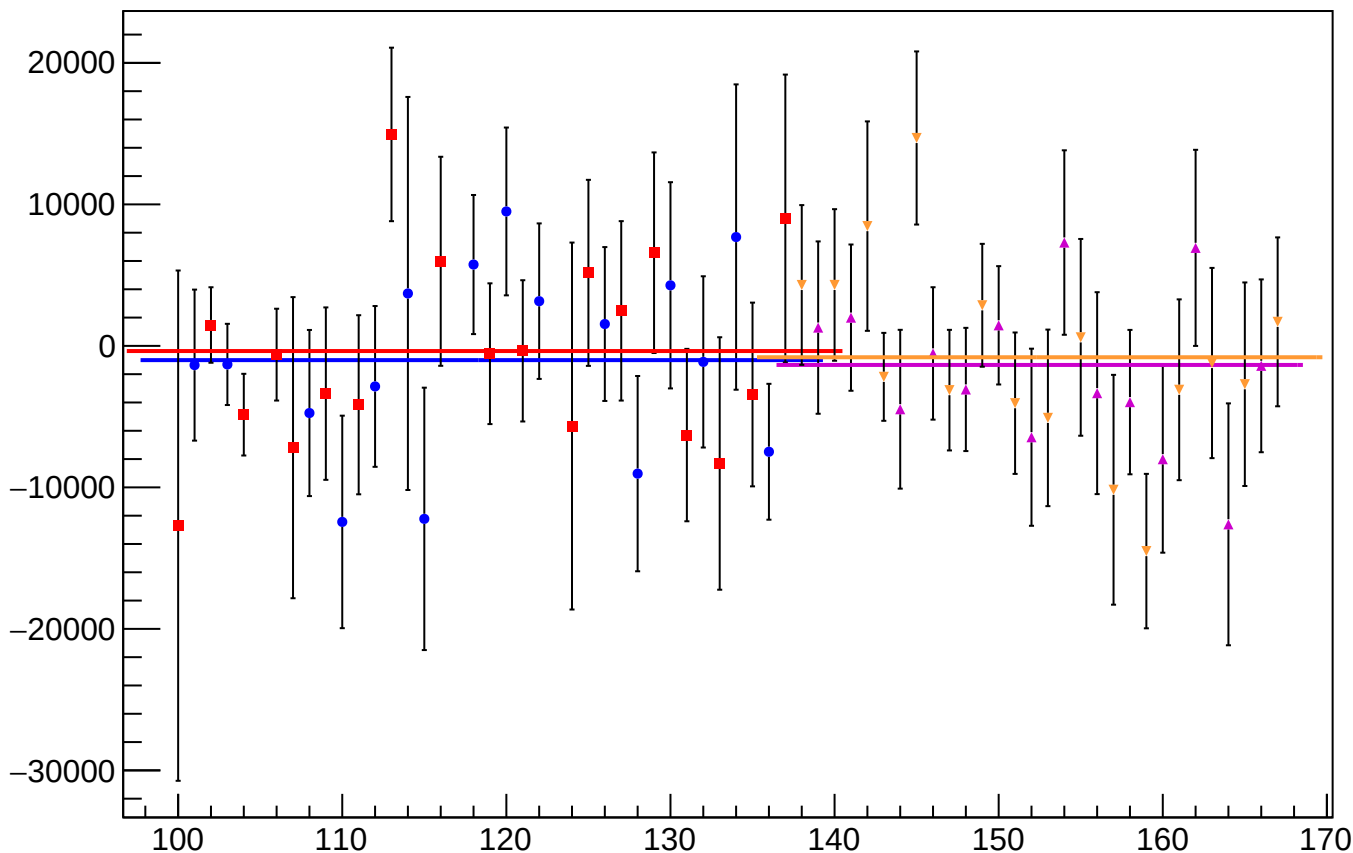
Left In: 1350.283 ± 0.281 χ^2/NDF : 24465.5/13

+ sign 1325.456 ± 0.212 χ^2/NDF : 713756.3/31

All: 1335.567 ± 0.153 χ^2/NDF : 1015598.7/64

- sign 1346.508 ± 0.221 χ^2/NDF : 297119.7/32

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: -803.469 ± 1345.874 χ^2/NDF : 19.9/15

Right Out: -364.493 ± 1202.498 χ^2/NDF : 16.2/18

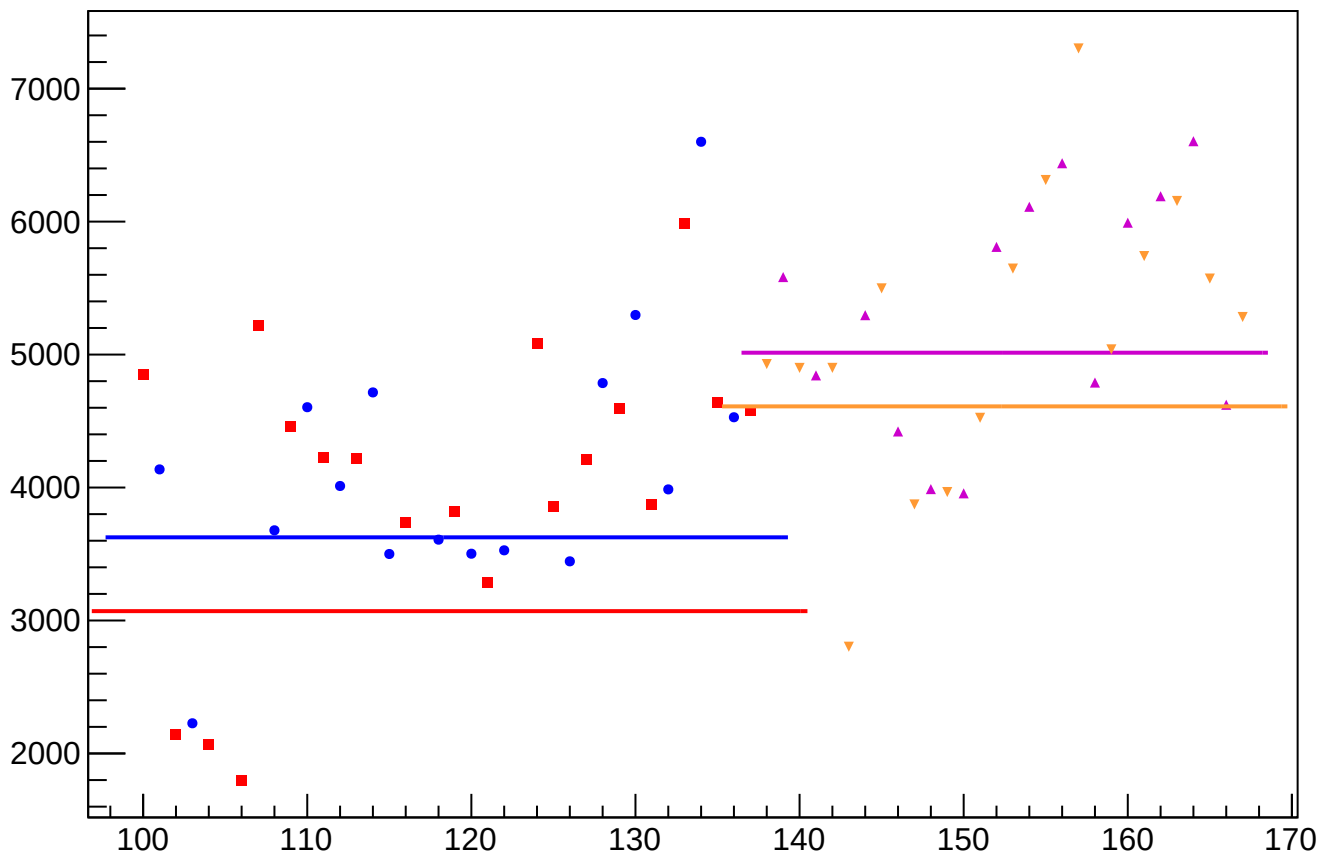
Left In: -1347.189 ± 1502.241 χ^2/NDF : 8.5/13

+ sign -900.782 ± 971.727 χ^2/NDF : 34.5/31

All: -821.891 ± 675.165 χ^2/NDF : 59.5/64

- sign -748.259 ± 938.778 χ^2/NDF : 25.0/32

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: 4610.355 $\pm$ 0.952 χ^2 /NDF: 1475265.0/15

Right Out: 3070.442 $\pm$ 0.850 χ^2 /NDF: 1838659.1/18

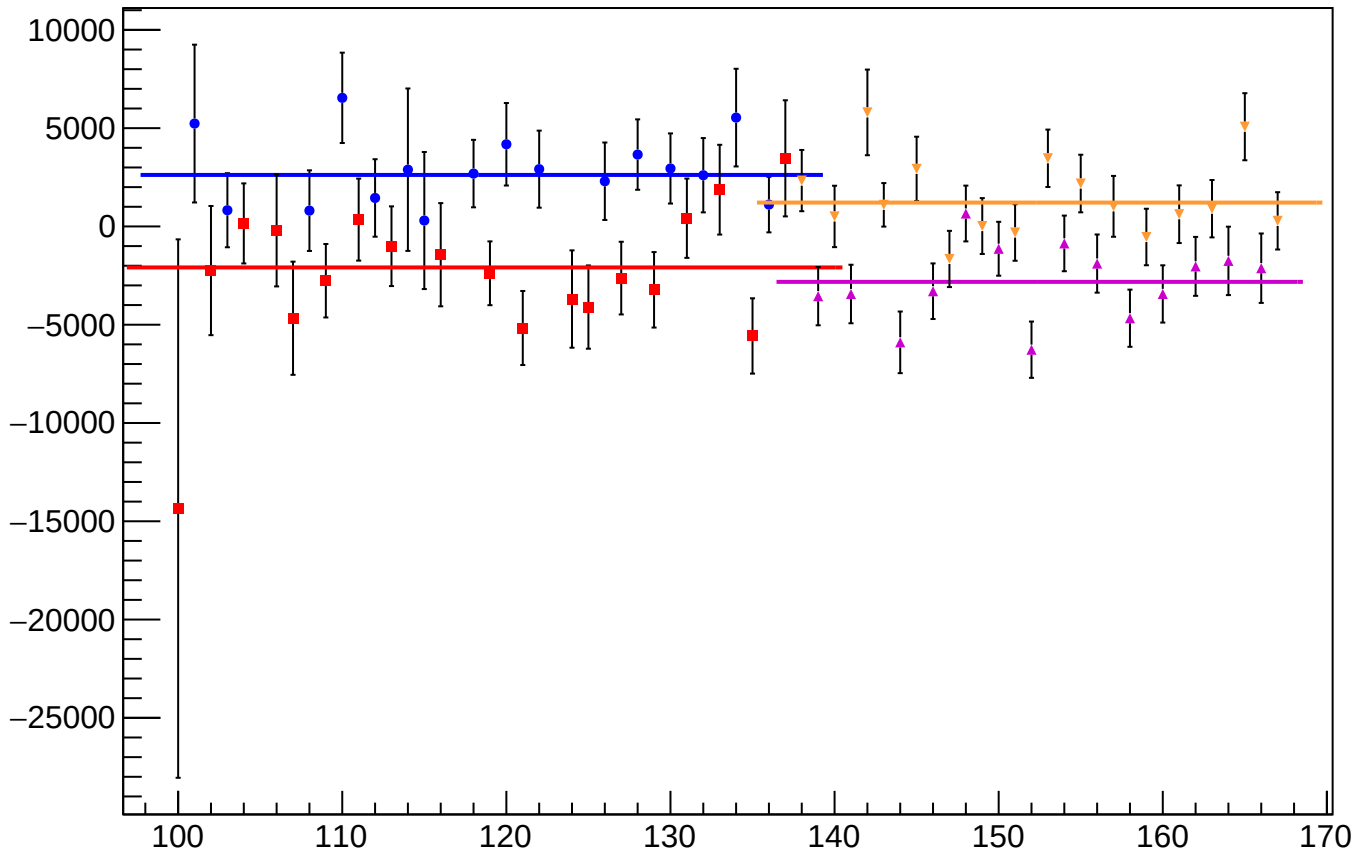
Left In: 5014.032 $\pm$ 1.062 χ^2 /NDF: 647355.5/13

+ sign 4138.902 $\pm$ 0.687 χ^2 /NDF: 2932827.2/31

All: 3978.845 $\pm$ 0.477 χ^2 /NDF: 7564155.3/64

- sign 3829.459 $\pm$ 0.664 χ^2 /NDF: 4526423.6/32

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: 1213.988 $\pm$ 370.818 χ^2 /NDF:22.2/15

Right Out: -2085.608 $\pm$ 504.873 χ^2 /NDF: 20.9/18

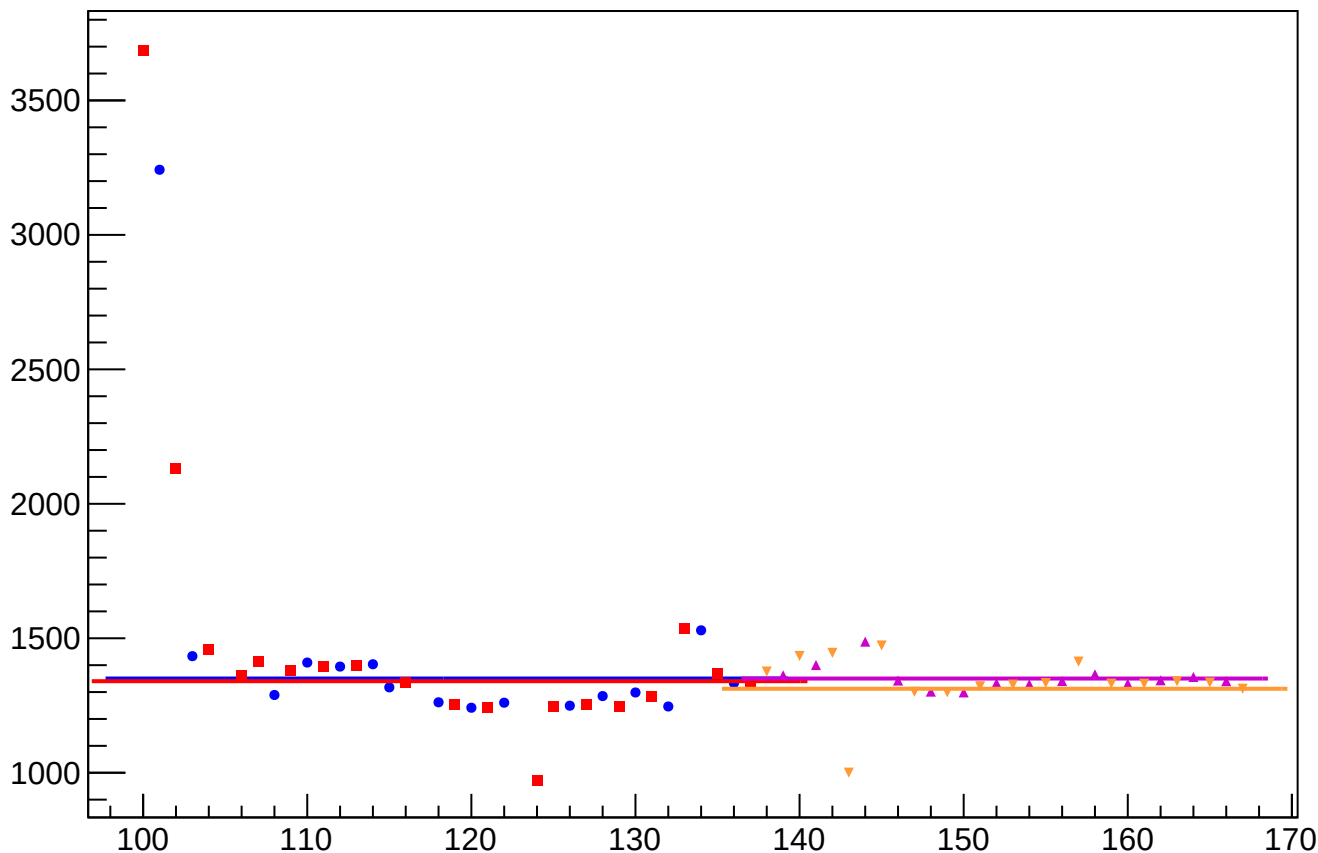
Left In: -2819.291 $\pm$ 397.645 χ^2 /NDF:22.6/13

+ sign 1698.541 $\pm$ 300.226 χ^2 /NDF: 36.4/31

All: -335.856 $\pm$ 216.463 χ^2 /NDF: 176.9/64

- sign -2538.405 $\pm$ 312.387 χ^2 /NDF: 44.9/32

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: 1312.365+/-0.262 χ^2/NDF : 212468.3/15

Right Out: 1340.428+/-0.357 χ^2/NDF : 272182.5/18

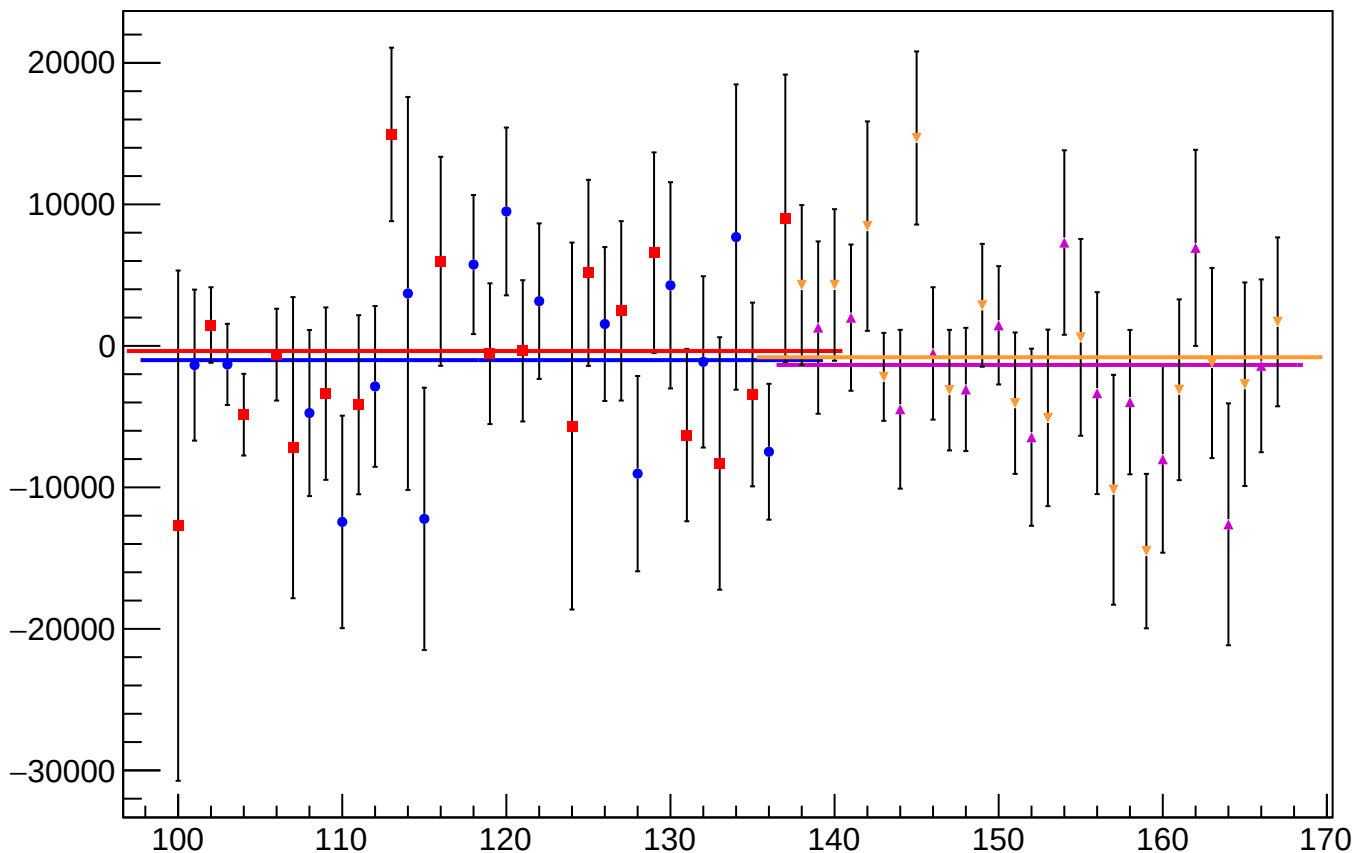
Left In: 1350.285+/-0.281 χ^2/NDF : 24465.8/13

+ sign 1325.457+/-0.212 χ^2/NDF : 713756.4/31

All: 1335.567+/-0.153 χ^2/NDF : 1015598.2/64

- sign 1346.508+/-0.221 χ^2/NDF : 297119.1/32

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1006.742 $\pm$ 1404.455 χ^2 /NDF: 14.6/15

Left Out: -803.475 $\pm$ 1345.876 χ^2 /NDF:19.9/15

Right Out: -364.495 $\pm$ 1202.495 χ^2 /NDF: 16.2/18

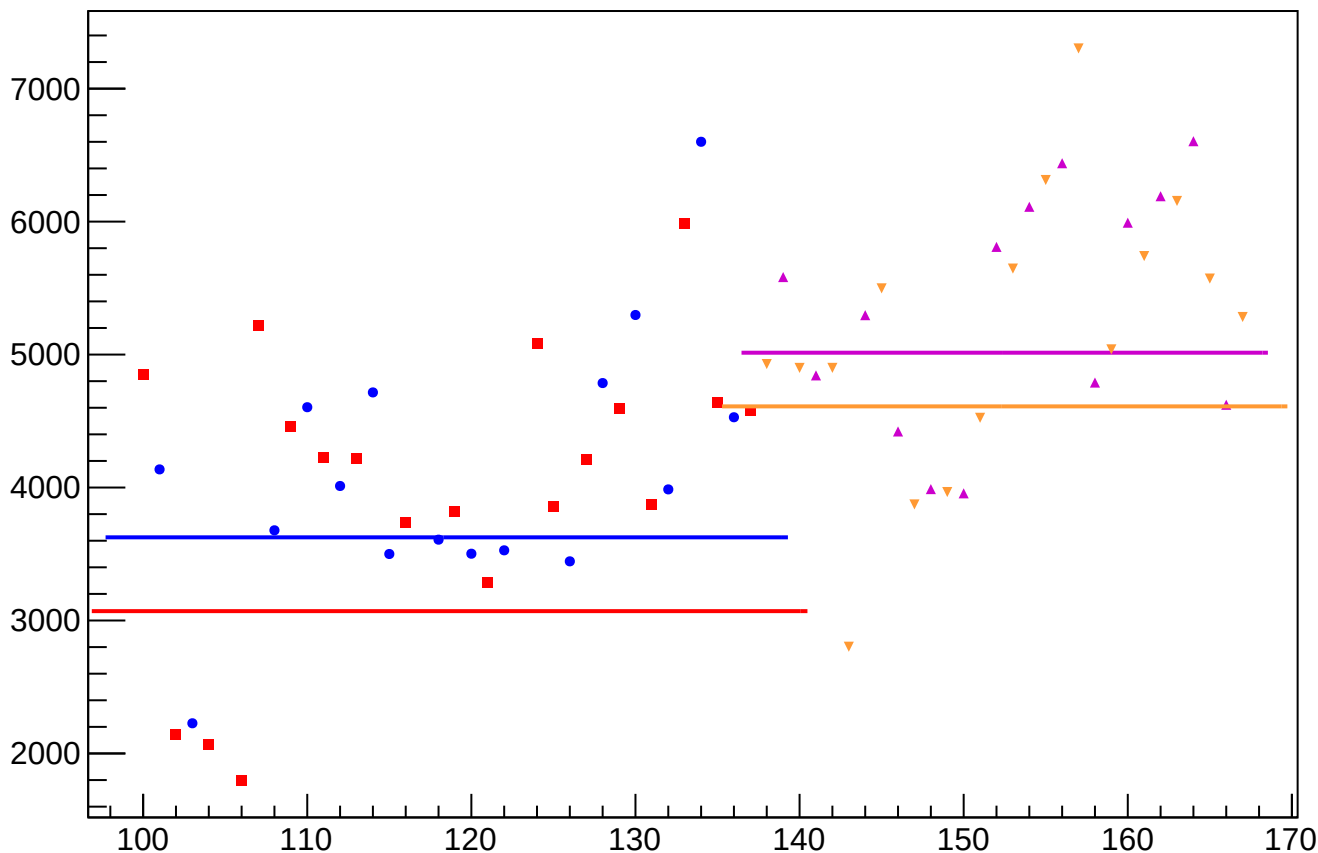
Left In: -1347.188 $\pm$ 1502.243 χ^2 /NDF:8.5/13

+ sign -900.781 $\pm$ 971.727 χ^2 /NDF: 34.5/31

All: -821.889 $\pm$ 675.164 χ^2 /NDF: 59.5/64

- sign -748.257 $\pm$ 938.777 χ^2 /NDF: 25.0/32

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: 4610.362+/-0.952 χ^2/NDF : 1475266.2/15

Right Out: 3070.434+/-0.850 χ^2/NDF : 1838662.0/18

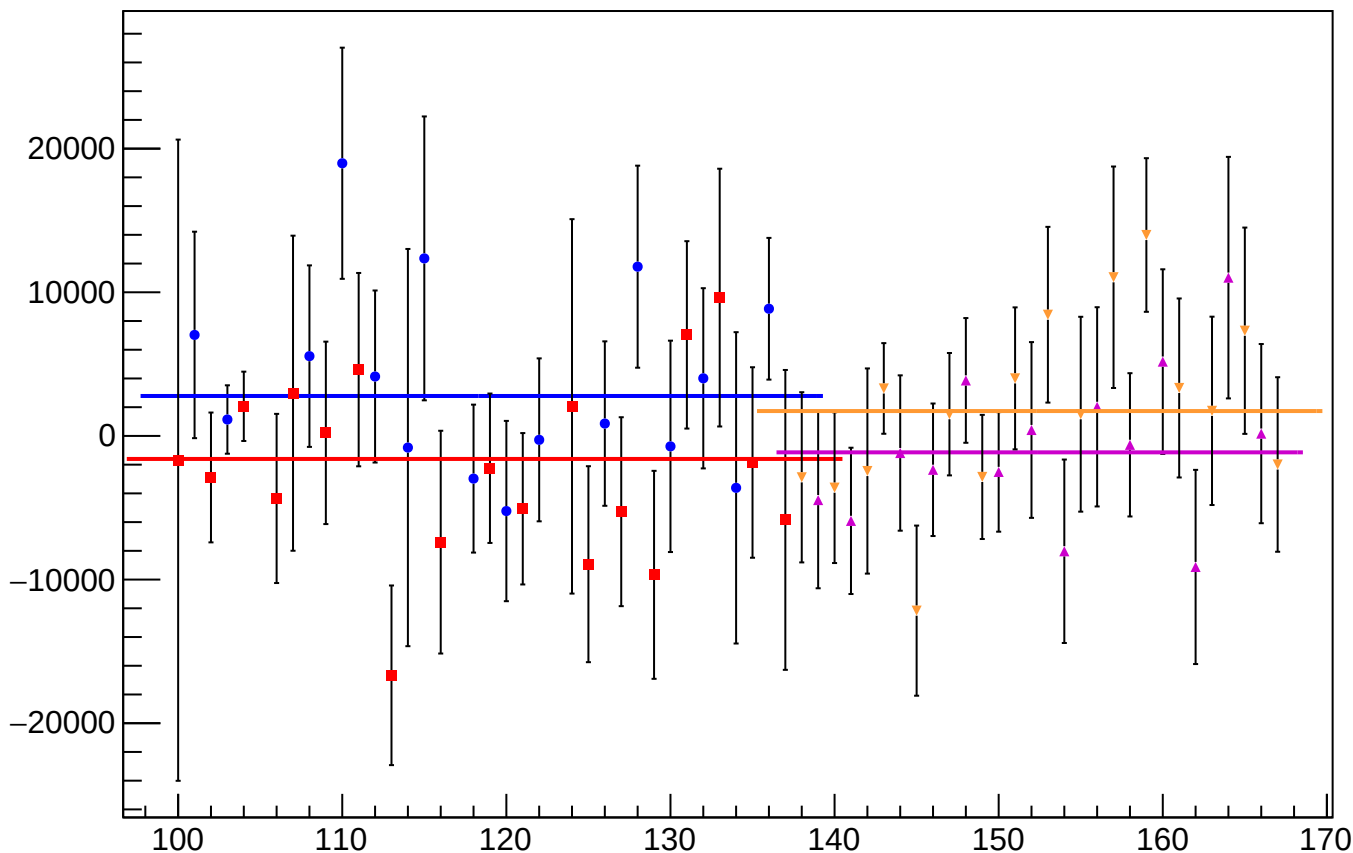
Left In: 5014.040+/-1.062 χ^2/NDF : 647356.8/13

+ sign 4138.899+/-0.687 χ^2/NDF : 2932847.8/31

All: 3978.841+/-0.477 χ^2/NDF : 7564216.5/64

- sign 3829.453+/-0.664 χ^2/NDF : 4526461.5/32

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF : 13.2/15

Left Out: 1731.384+/-1337.795 χ^2/NDF : 18.0/15

Right Out: -1602.626+/-1337.018 χ^2/NDF : 16.8/18

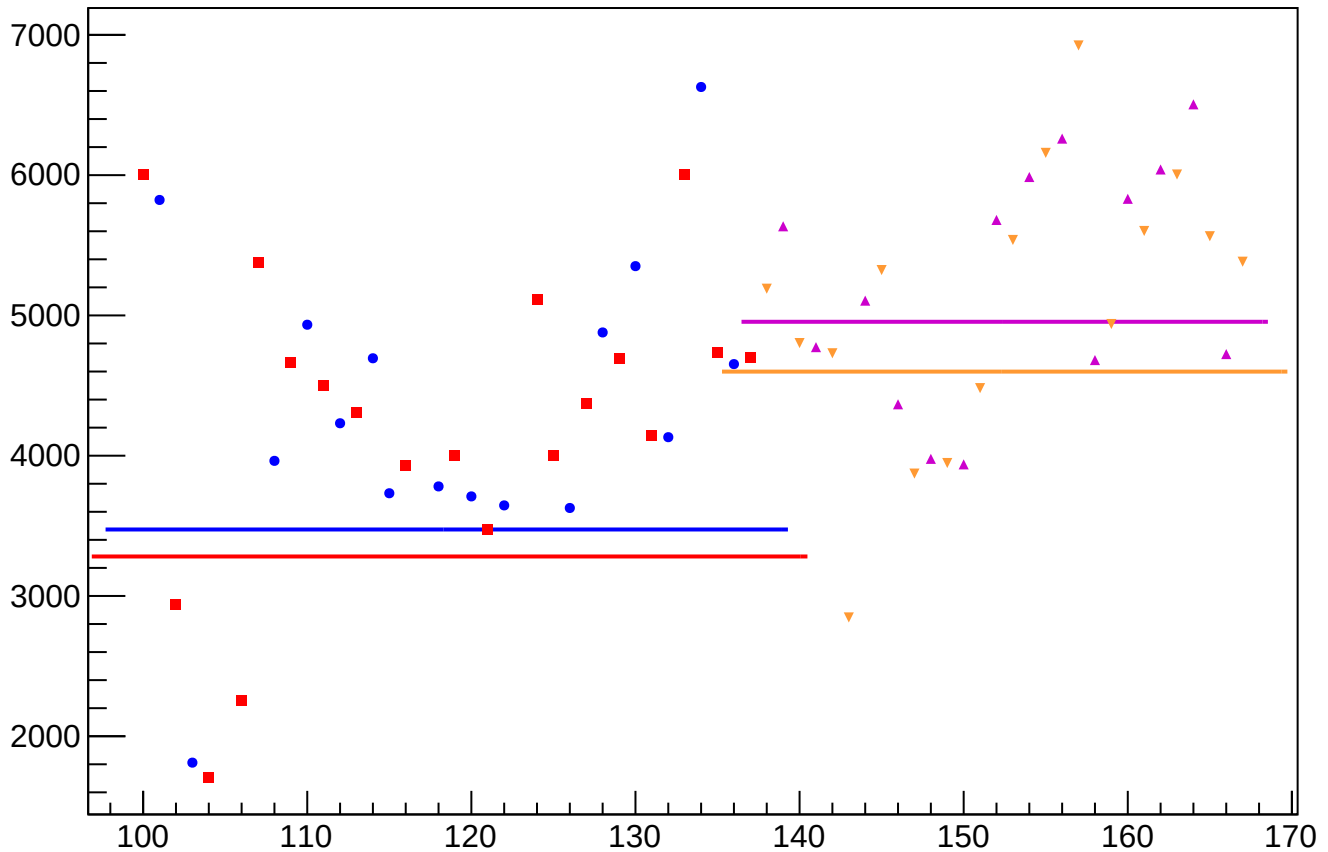
Left In: -1143.332+/-1482.080 χ^2/NDF : 8.6/13

+ sign 2236.264+/-963.704 χ^2/NDF : 31.5/31

All: 473.777+/-691.482 χ^2/NDF : 63.9/64

- sign -1396.550+/-992.749 χ^2/NDF : 25.5/32

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF : 1843964.2/15

Left Out: 4599.459+/-0.946 χ^2/NDF : 1331345.6/15

Right Out: 3281.478+/-0.932 χ^2/NDF : 1875493.9/18

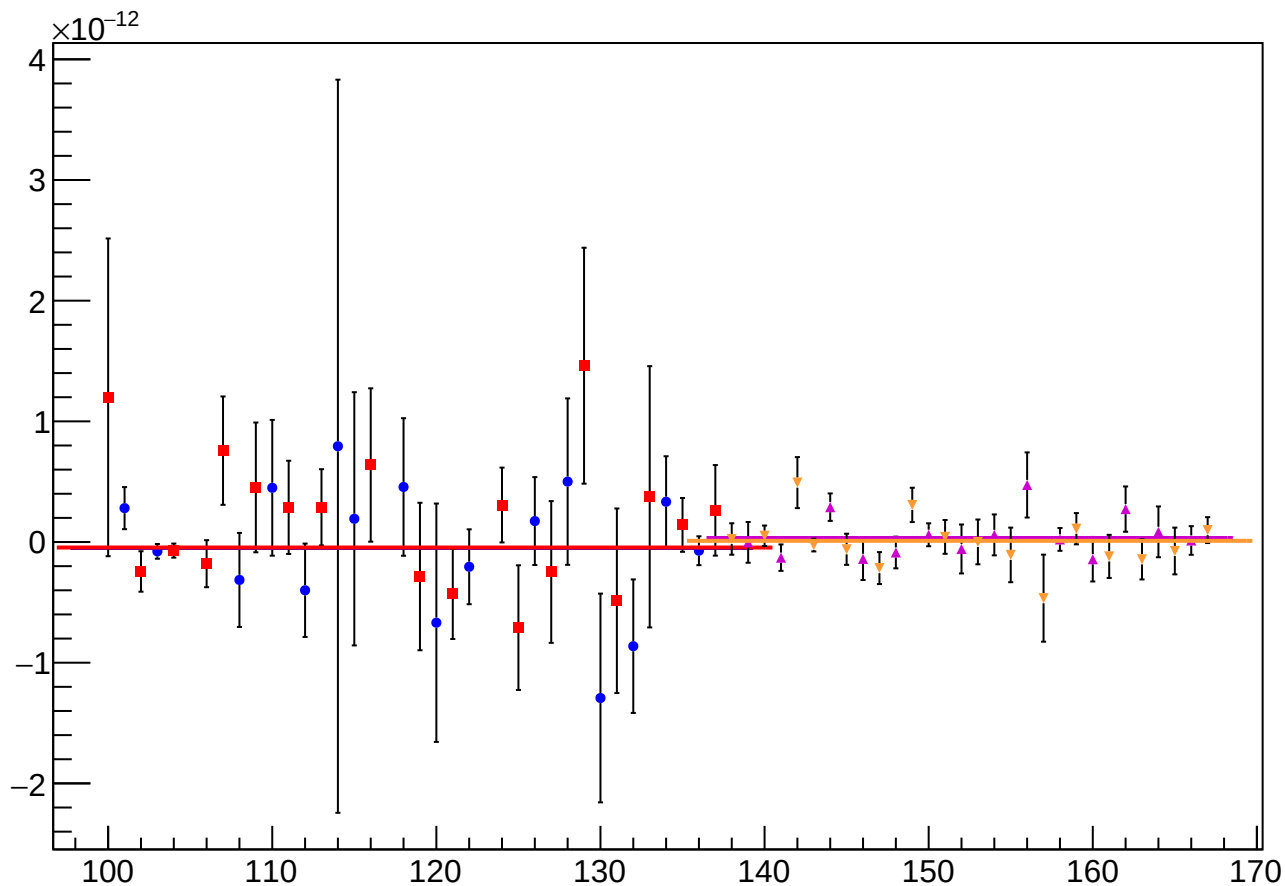
Left In: 4954.622+/-1.048 χ^2/NDF : 598664.6/13

+ sign 4057.981+/-0.681 χ^2/NDF : 3856395.1/31

All: 4039.805+/-0.487 χ^2/NDF : 7754599.9/64

- sign 4020.809+/-0.697 χ^2/NDF : 3896749.8/32

asym_atl_avg_atr_avg_avg_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:18.4/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 18.5/18

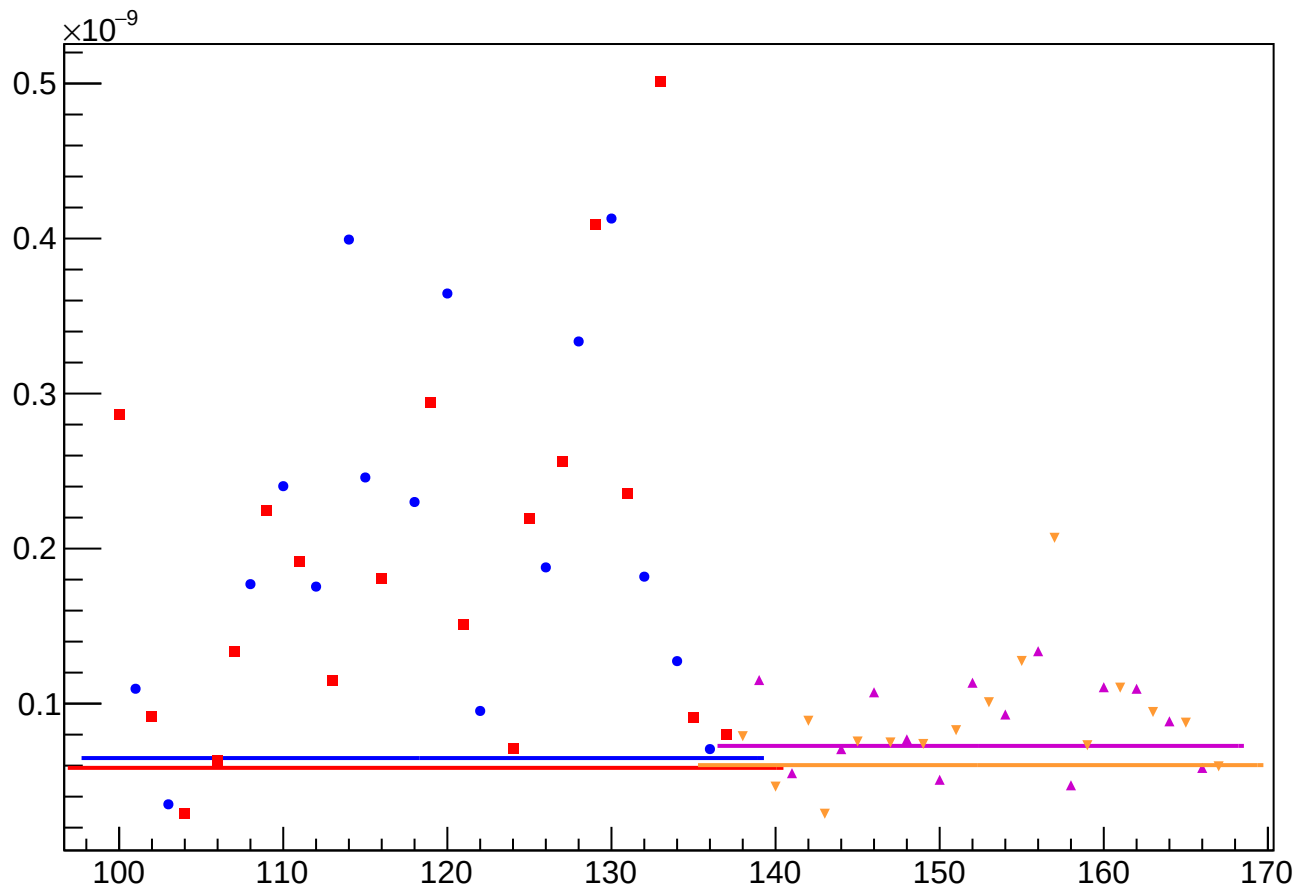
Left In: 0.000+/-0.000 χ^2 /NDF:14.7/13

+ sign -0.000+/-0.000 χ^2 /NDF: 33.2/31

All: -0.000+/-0.000 χ^2 /NDF: 68.2/64

- sign 0.000+/-0.000 χ^2 /NDF: 35.0/32

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :1860142.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2855105.2/18

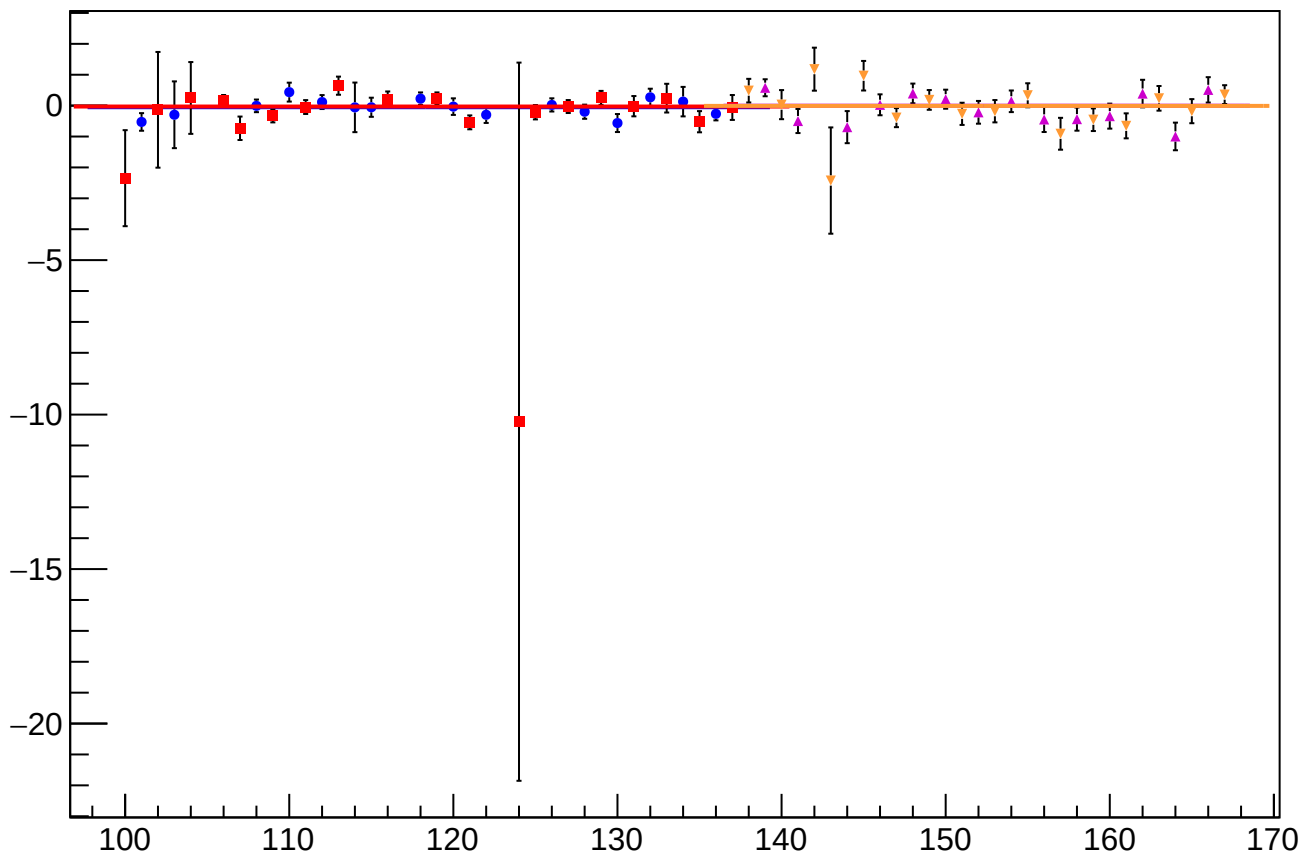
Left In: 0.000+/-0.000 χ^2/NDF :922767.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 4465757.1/31

All: 0.000+/-0.000 χ^2/NDF : 8398901.8/64

- sign 0.000+/-0.000 χ^2/NDF : 3888561.3/32

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: -0.008 ± 0.099 χ^2/NDF : 23.2/15

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

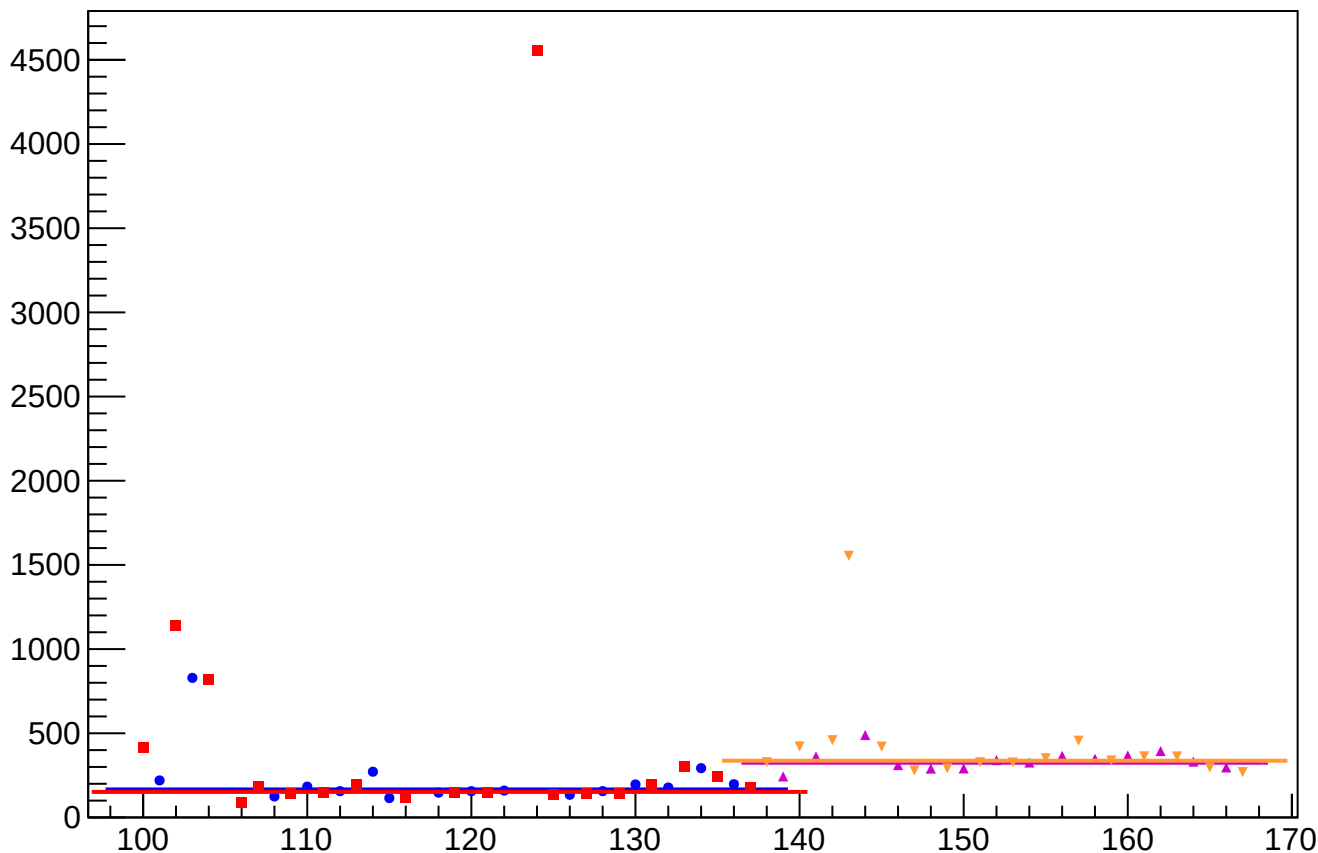
Left In: -0.002 ± 0.098 χ^2/NDF : 20.9/13

+ sign -0.038 ± 0.055 χ^2/NDF : 38.2/31

All: -0.029 ± 0.039 χ^2/NDF : 86.8/64

- sign -0.021 ± 0.054 χ^2/NDF : 48.5/32

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: 337.155 $\pm$ 0.070 χ^2 /NDF: 1549945.8/15

Right Out: 151.791 $\pm$ 0.045 χ^2 /NDF: 2315638.8/18

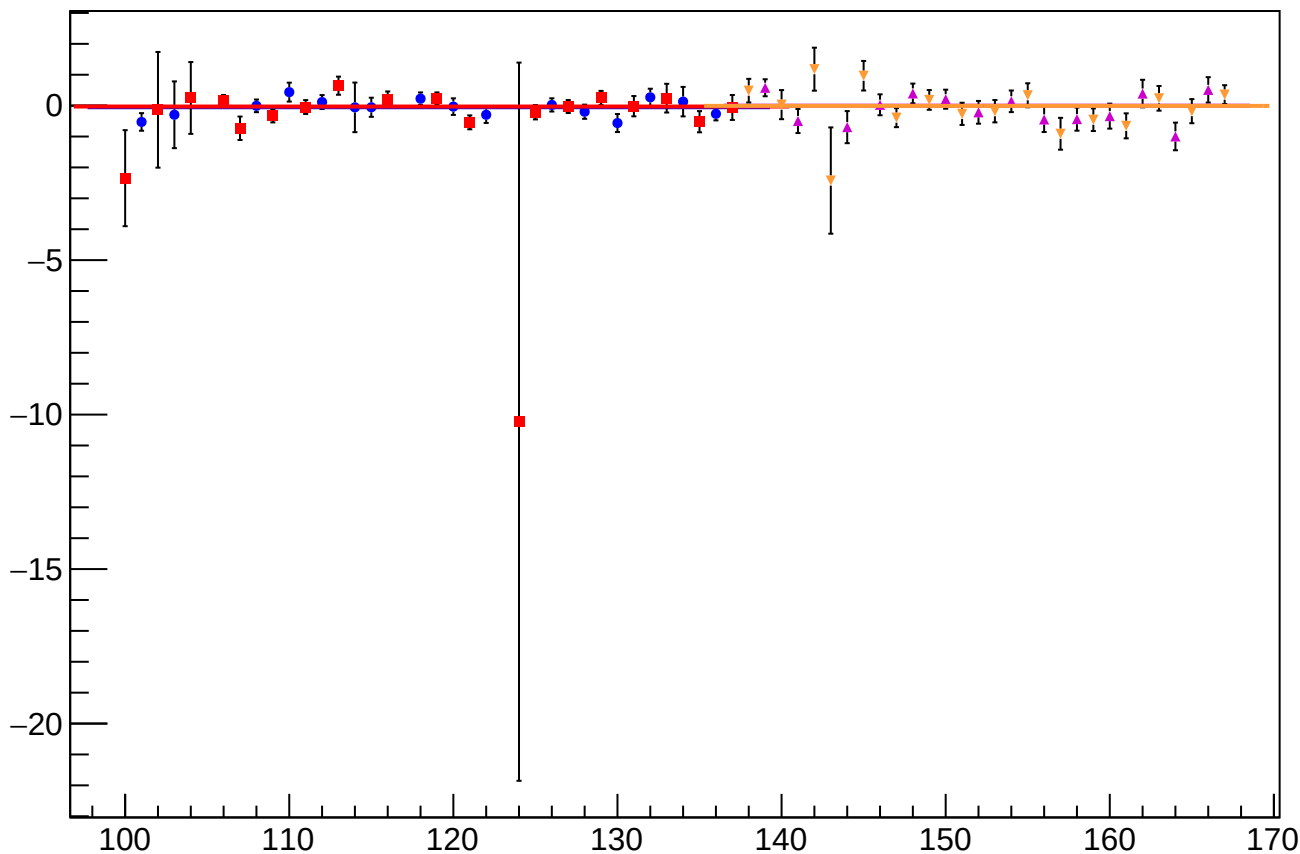
Left In: 324.965 $\pm$ 0.070 χ^2 /NDF: 558025.7/13

+ sign 219.512 $\pm$ 0.039 χ^2 /NDF: 6910306.2/31

All: 211.172 $\pm$ 0.027 χ^2 /NDF: 14228086.0/64

- sign 203.345 $\pm$ 0.038 χ^2 /NDF: 7229860.7/32

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: -0.008 ± 0.099 χ^2/NDF : 23.2/15

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

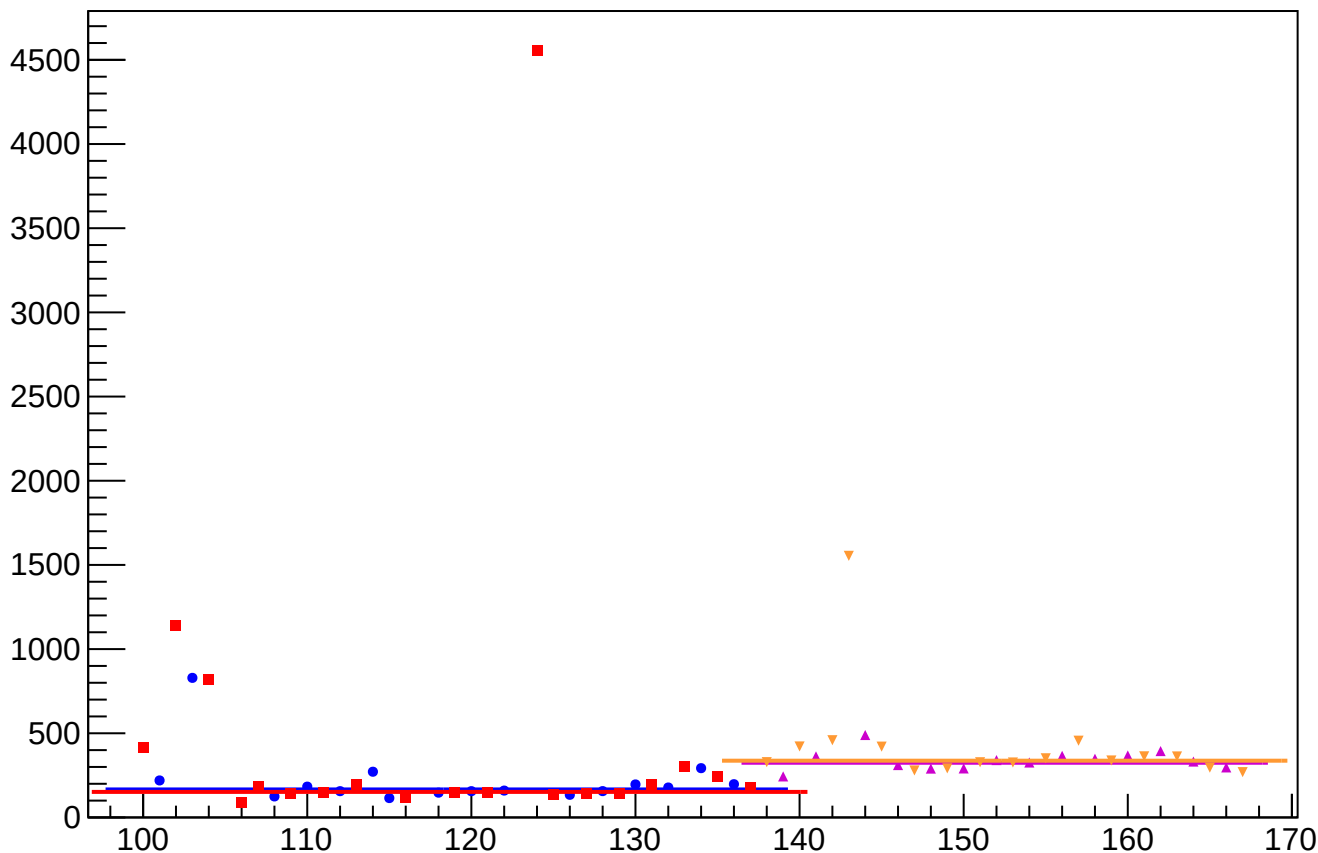
Left In: -0.002 ± 0.098 χ^2/NDF : 20.9/13

+ sign -0.038 ± 0.055 χ^2/NDF : 38.2/31

All: -0.029 ± 0.039 χ^2/NDF : 86.8/64

- sign -0.021 ± 0.054 χ^2/NDF : 48.5/32

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 166.360 $\pm$ 0.047 χ^2 /NDF: 1282728.5/15

Left Out: 337.155 $\pm$ 0.070 χ^2 /NDF: 1549945.8/15

Right Out: 151.791 $\pm$ 0.045 χ^2 /NDF: 2315638.8/18

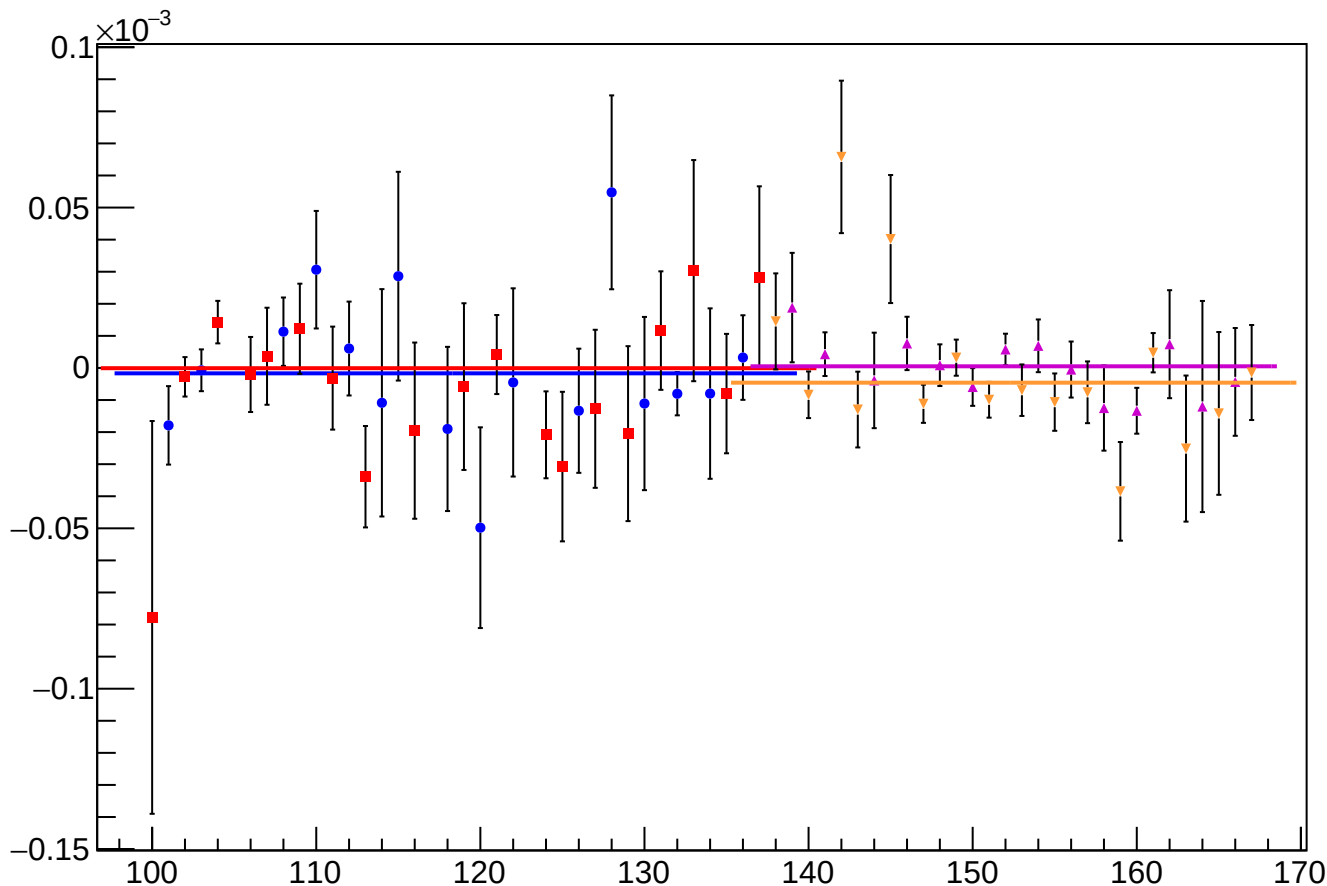
Left In: 324.965 $\pm$ 0.070 χ^2 /NDF: 558025.7/13

+ sign 219.512 $\pm$ 0.039 χ^2 /NDF: 6910306.2/31

All: 211.172 $\pm$ 0.027 χ^2 /NDF: 14228086.0/64

- sign 203.345 $\pm$ 0.038 χ^2 /NDF: 7229860.7/32

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 : 29.1/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

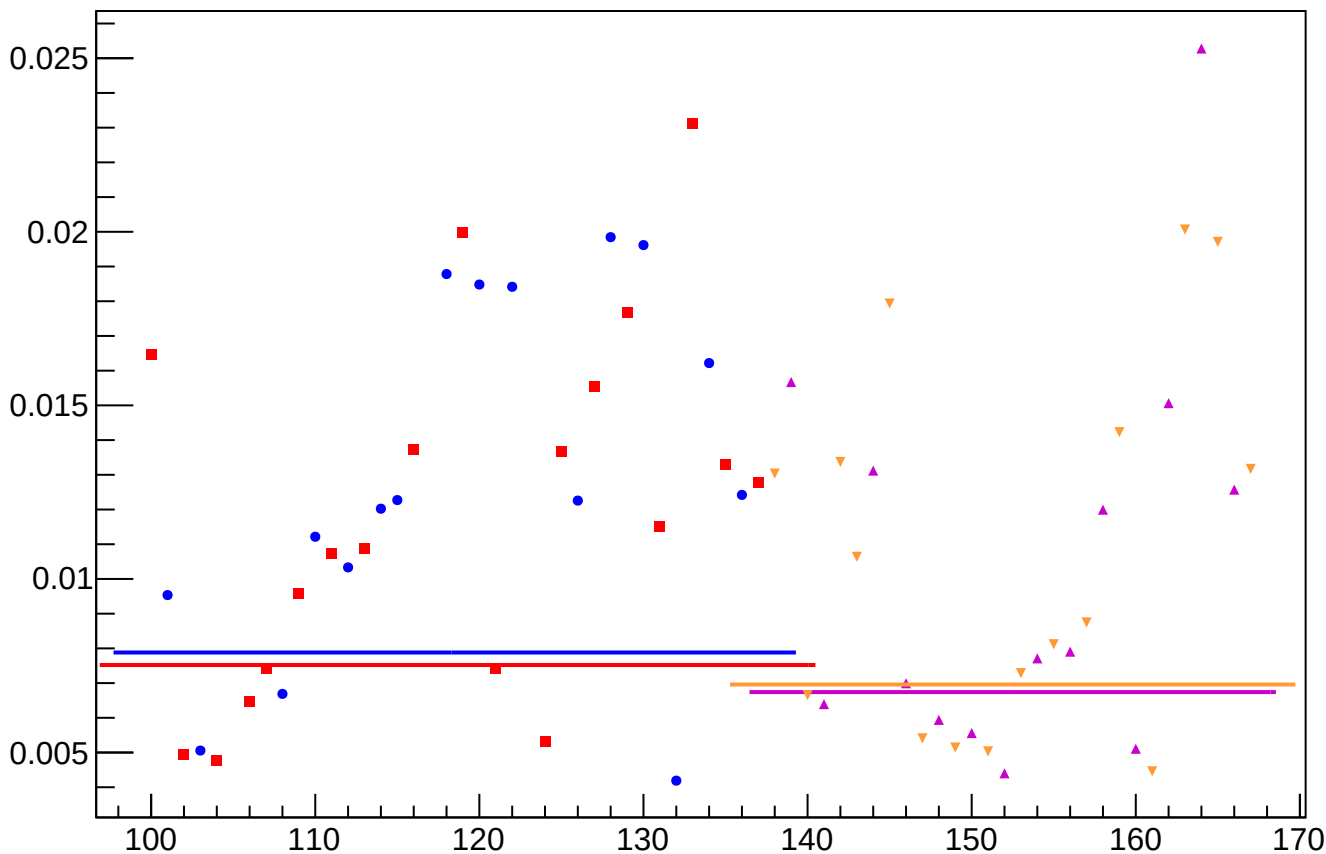
Left In: 0.000 ± 0.000 χ^2/NDF : 10.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 45.1/31

All: -0.000 ± 0.000 χ^2/NDF : 77.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 30.3/32

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3301734.3/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:4265153.6/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2975331.6/18

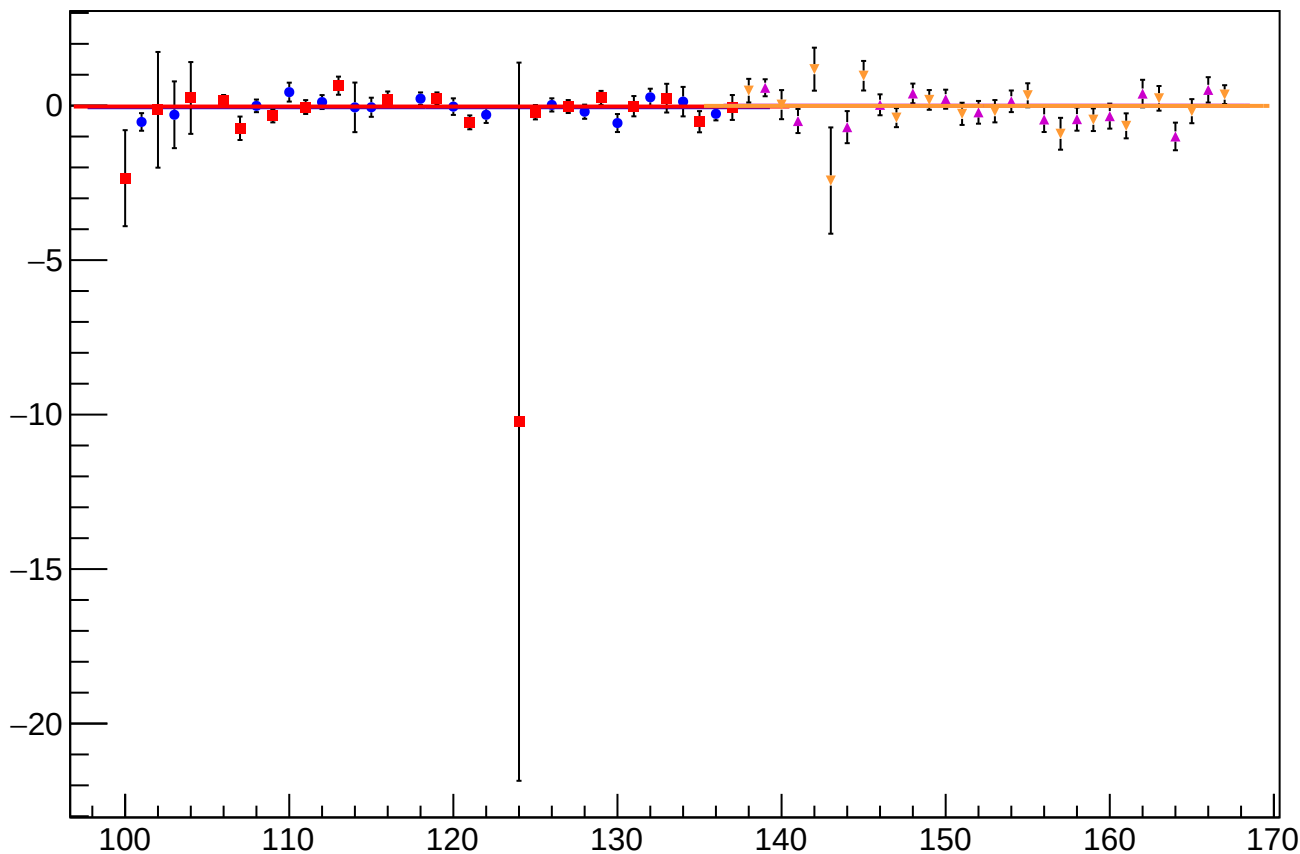
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:3333613.7/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7670219.8/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 14076543.5/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6390871.1/32

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: -0.008 ± 0.099 χ^2/NDF : 23.2/15

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

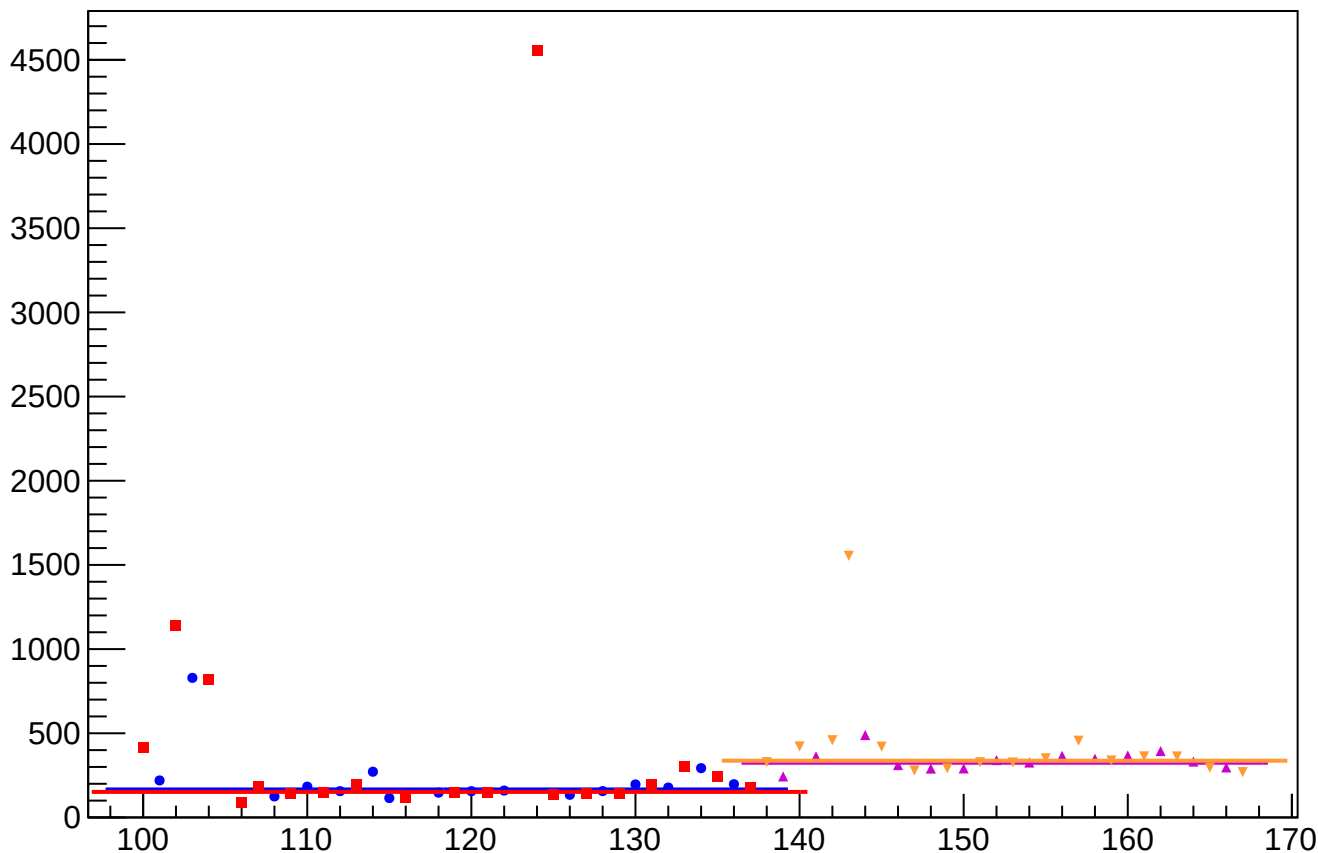
Left In: -0.002 ± 0.098 χ^2/NDF : 20.9/13

+ sign -0.038 ± 0.055 χ^2/NDF : 38.2/31

All: -0.029 ± 0.039 χ^2/NDF : 86.8/64

- sign -0.021 ± 0.054 χ^2/NDF : 48.5/32

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: 337.160+/-0.070 χ^2/NDF : 1549945.7/15

Right Out: 151.790+/-0.045 χ^2/NDF : 2315641.8/18

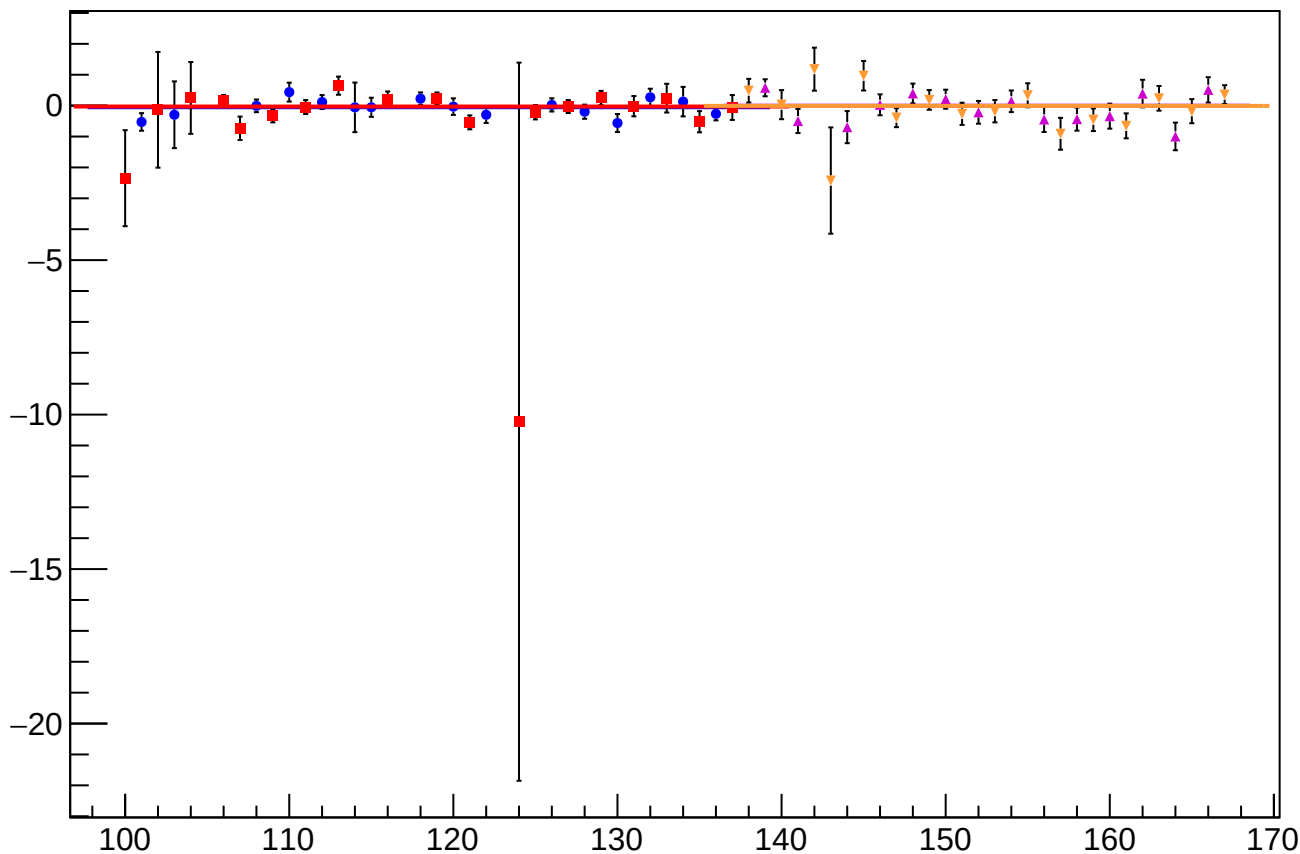
Left In: 324.970+/-0.070 χ^2/NDF : 558018.8/13

+ sign 219.511+/-0.039 χ^2/NDF : 6910506.9/31

All: 211.171+/-0.027 χ^2/NDF : 14228535.9/64

- sign 203.344+/-0.038 χ^2/NDF : 7230101.5/32

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: -0.008 ± 0.099 χ^2/NDF : 23.2/15

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

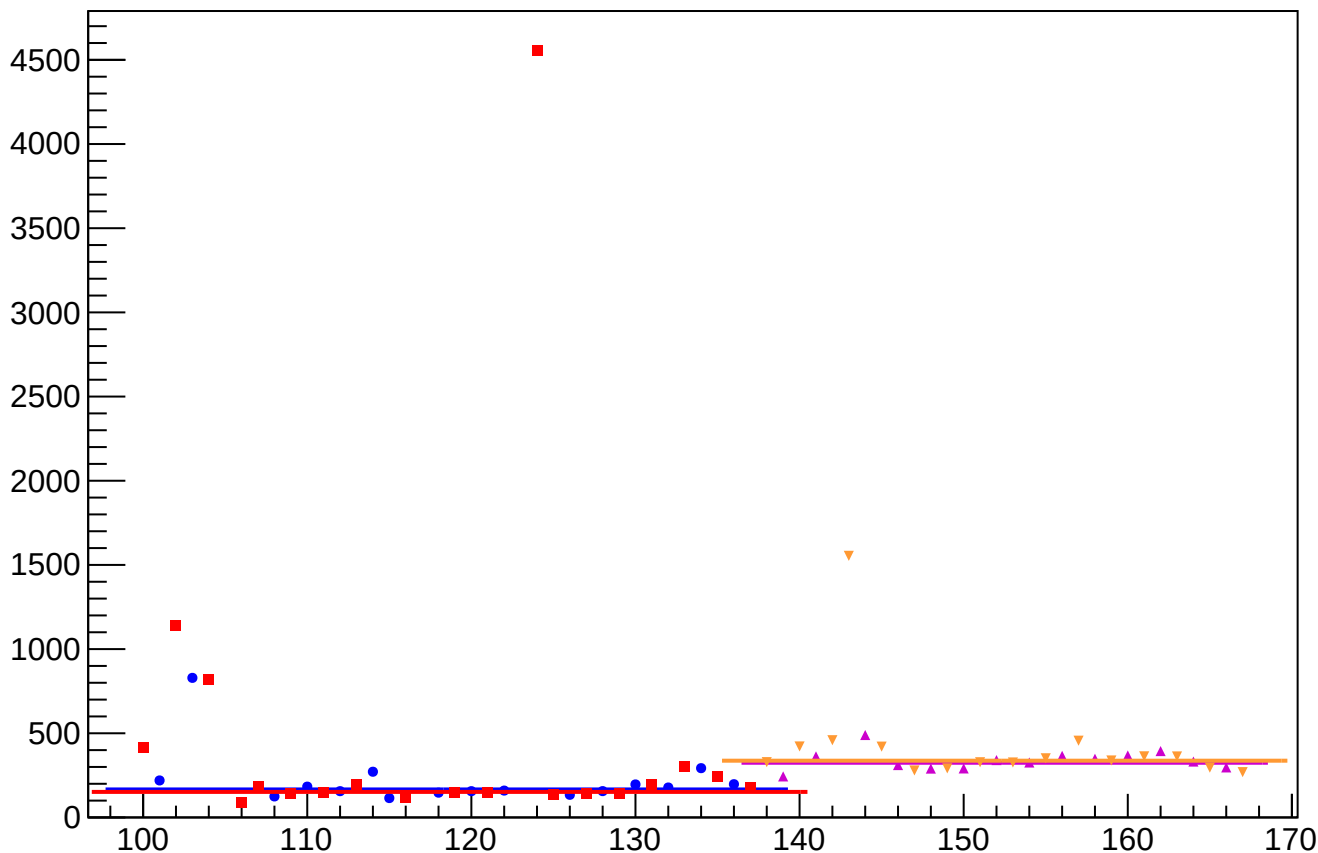
Left In: -0.002 ± 0.098 χ^2/NDF : 20.9/13

+ sign -0.038 ± 0.055 χ^2/NDF : 38.2/31

All: -0.029 ± 0.039 χ^2/NDF : 86.8/64

- sign -0.021 ± 0.054 χ^2/NDF : 48.5/32

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 166.359 $\pm$ 0.047 χ^2 /NDF: 1282724.2/15

Left Out: 337.160 $\pm$ 0.070 χ^2 /NDF: 1549945.7/15

Right Out: 151.790 $\pm$ 0.045 χ^2 /NDF: 2315641.8/18

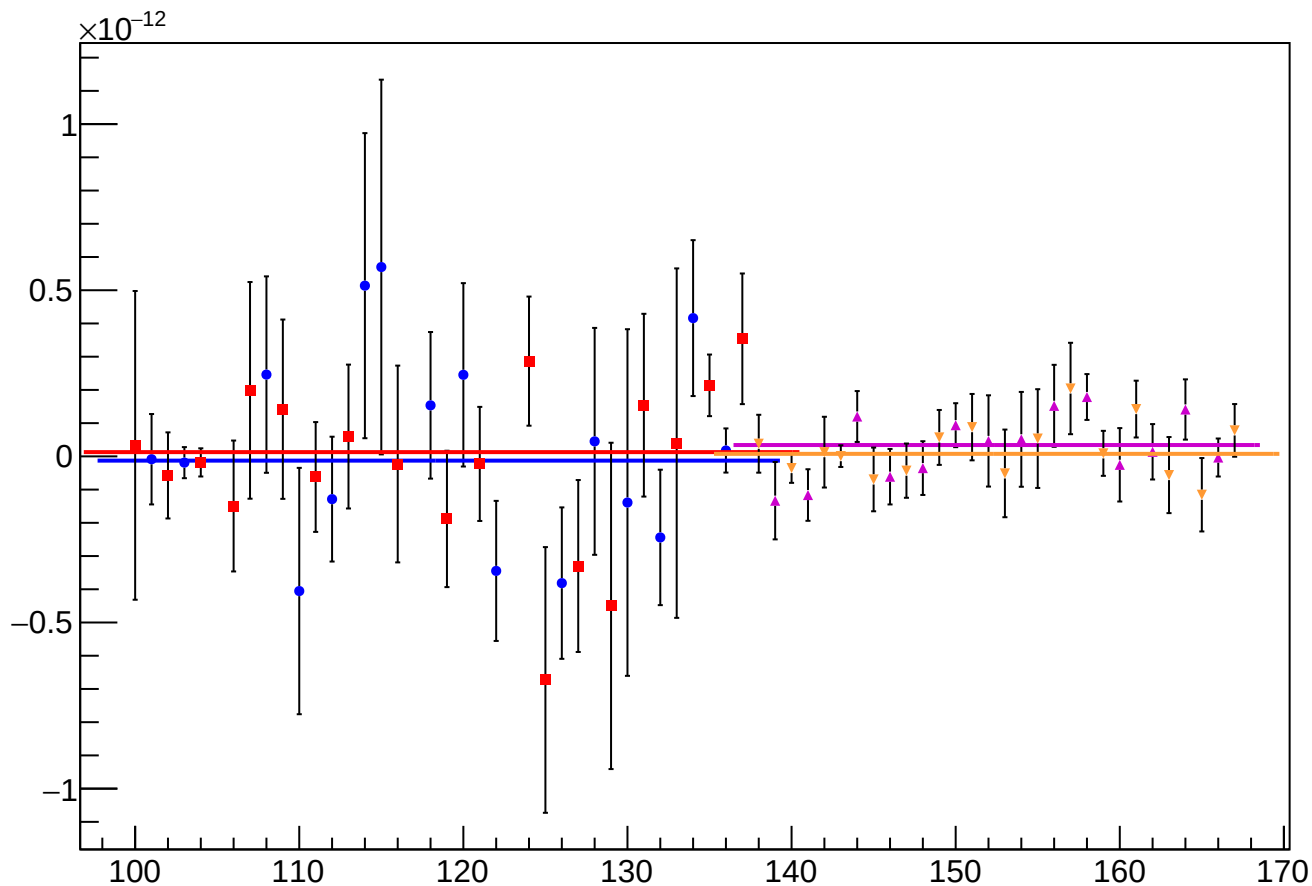
Left In: 324.970 $\pm$ 0.070 χ^2 /NDF: 558018.8/13

+ sign 219.511 $\pm$ 0.039 χ^2 /NDF: 6910506.9/31

All: 211.171 $\pm$ 0.027 χ^2 /NDF: 14228535.9/64

- sign 203.344 $\pm$ 0.038 χ^2 /NDF: 7230101.5/32

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 16.1/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 10.3/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 18.9/18$

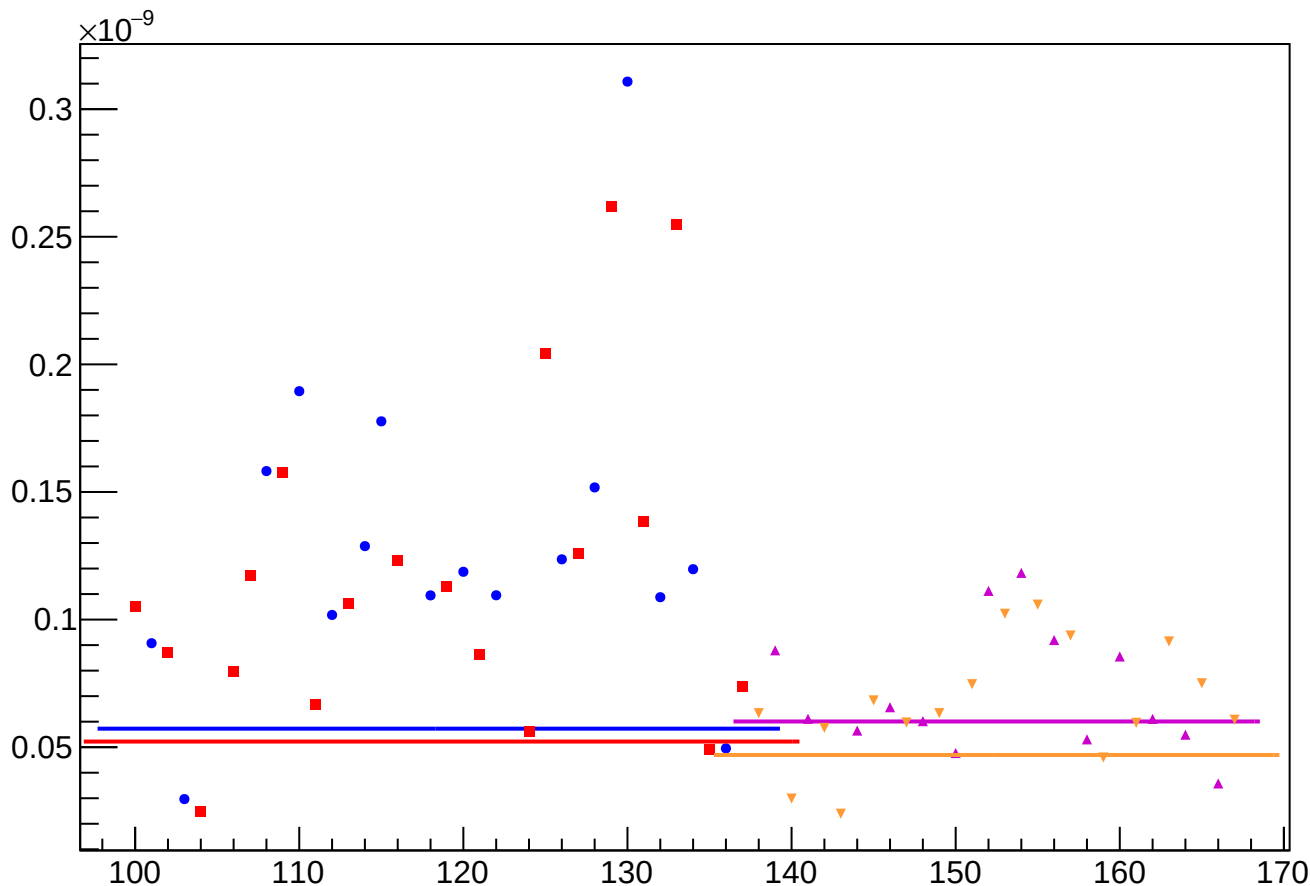
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 17.4/13$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 26.7/31$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 64.3/64$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 36.6/32$

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 : 3195525.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3287828.4/18

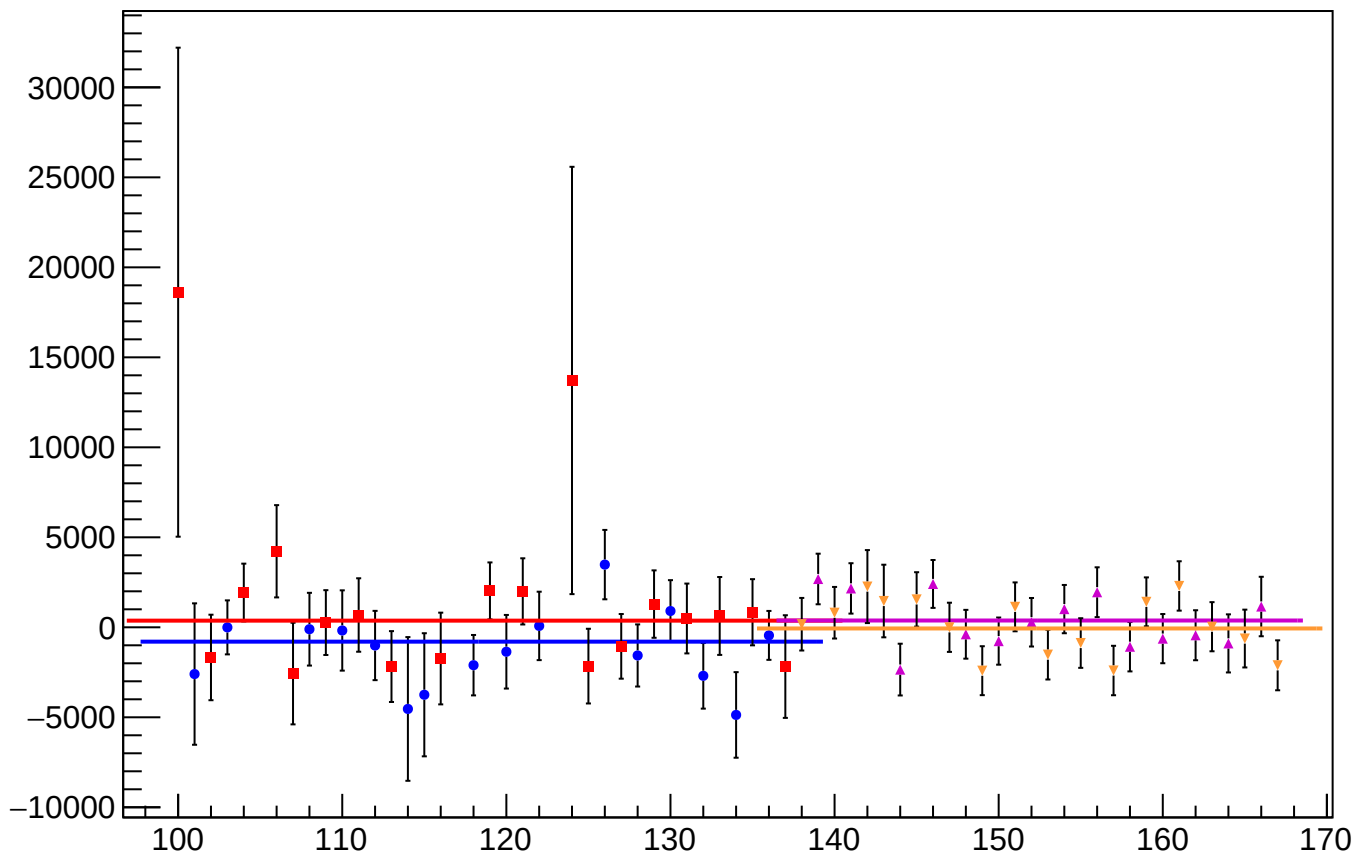
Left In: 0.000+/-0.000 χ^2/NDF : 1436823.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 6328562.8/31

All: 0.000+/-0.000 χ^2/NDF : 11353891.0/64

- sign 0.000+/-0.000 χ^2/NDF : 4807083.0/32

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285 ± 487.453 χ^2/NDF : 13.4/15

Left Out: -64.536 ± 362.785 χ^2/NDF : 18.0/15

Right Out: 370.010 ± 485.826 χ^2/NDF : 15.6/18

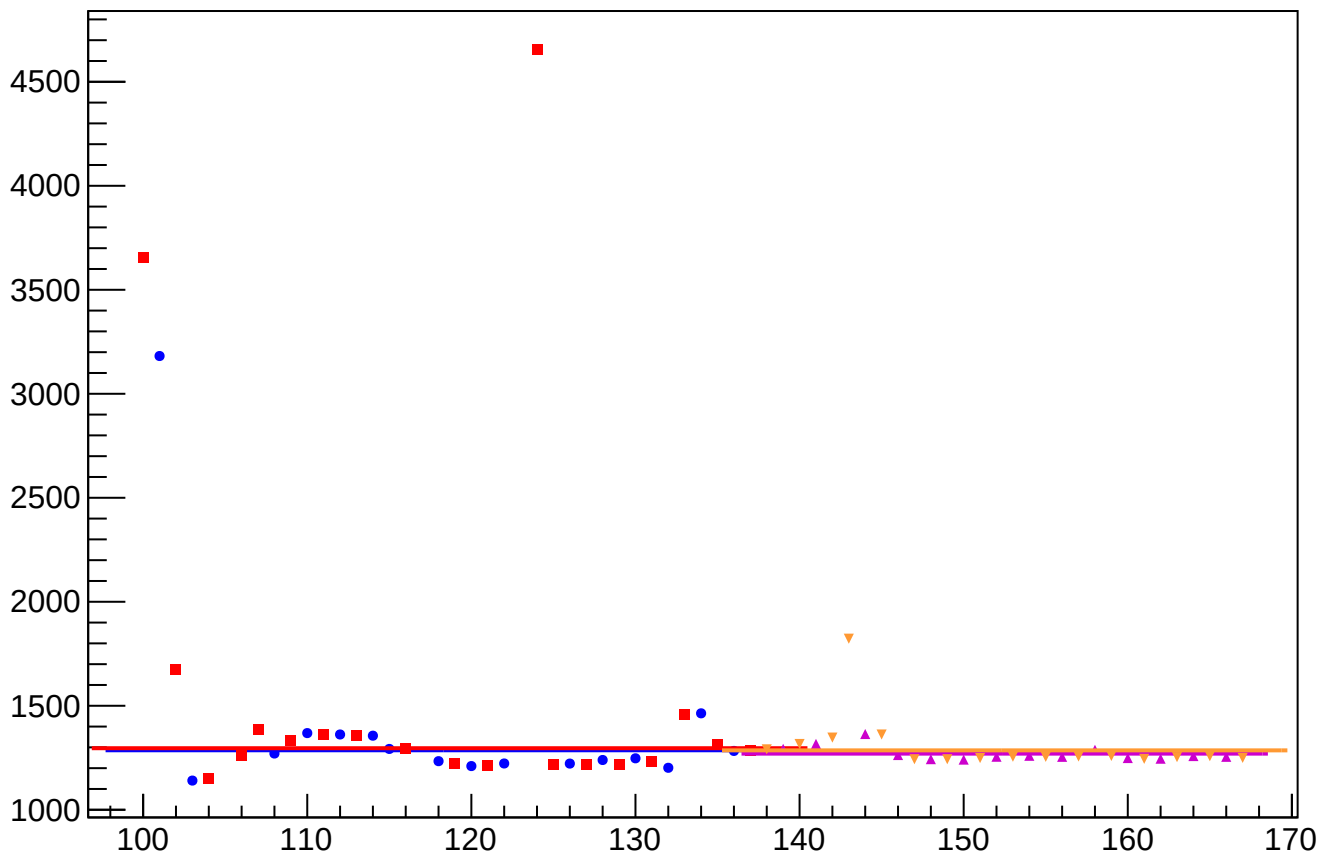
Left In: 377.870 ± 373.839 χ^2/NDF : 15.7/13

+ sign -325.731 ± 291.030 χ^2/NDF : 32.9/31

All: 18.349 ± 207.619 χ^2/NDF : 67.0/64

- sign 374.947 ± 296.276 χ^2/NDF : 31.3/32

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518126.9/15

Left Out: 1285.581 $\pm$ 0.257 χ^2 /NDF:163512.4/15

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

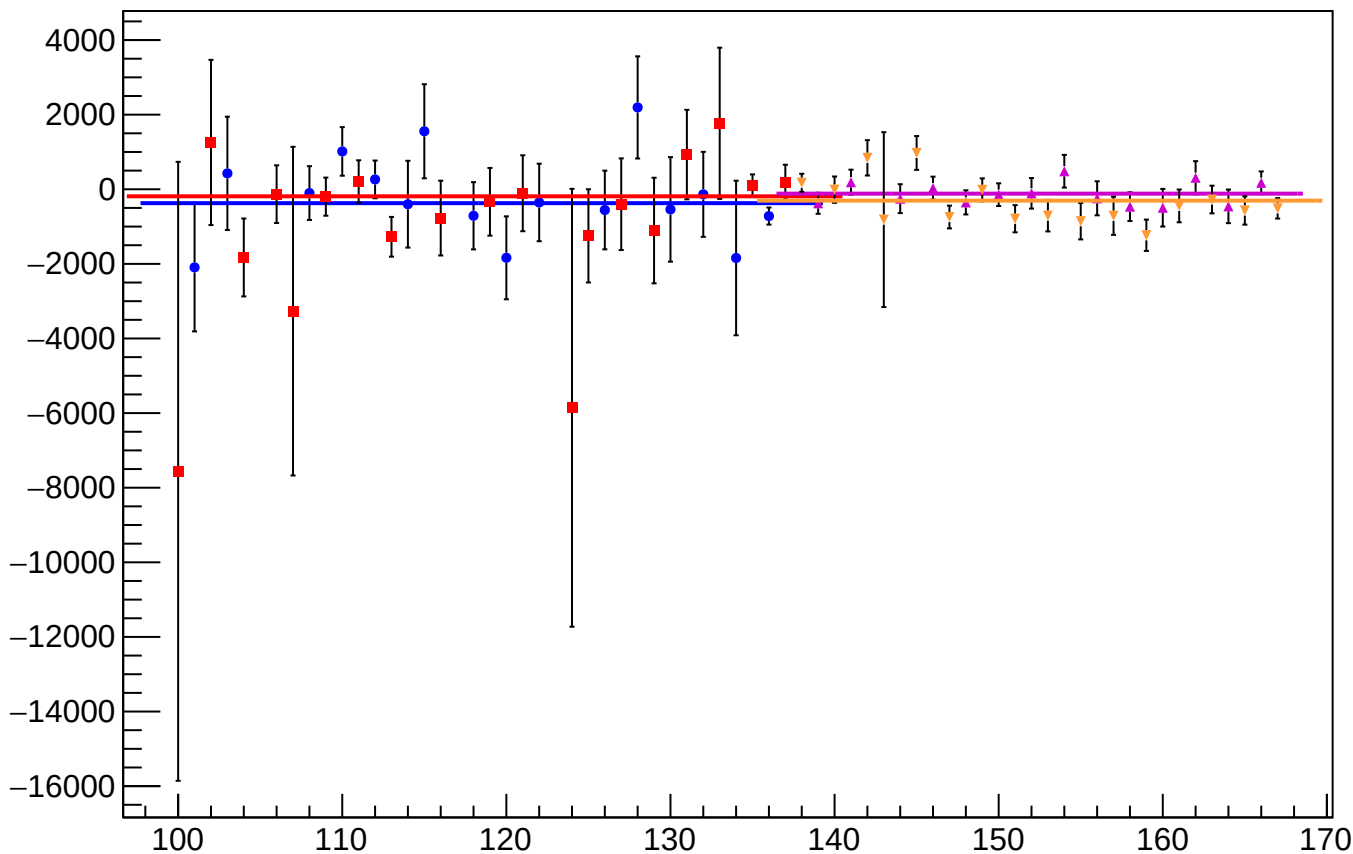
Left In: 1269.939 $\pm$ 0.264 χ^2 /NDF:15501.8/13

+ sign 1285.765 $\pm$ 0.206 χ^2 /NDF: 681640.7/31

All: 1282.742 $\pm$ 0.147 χ^2 /NDF: 1029250.7/64

- sign 1279.610 $\pm$ 0.209 χ^2 /NDF: 347170.6/32

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: -304.623 ± 93.025 χ^2/NDF : 32.1/15

Right Out: -188.945 ± 169.575 χ^2/NDF : 14.6/18

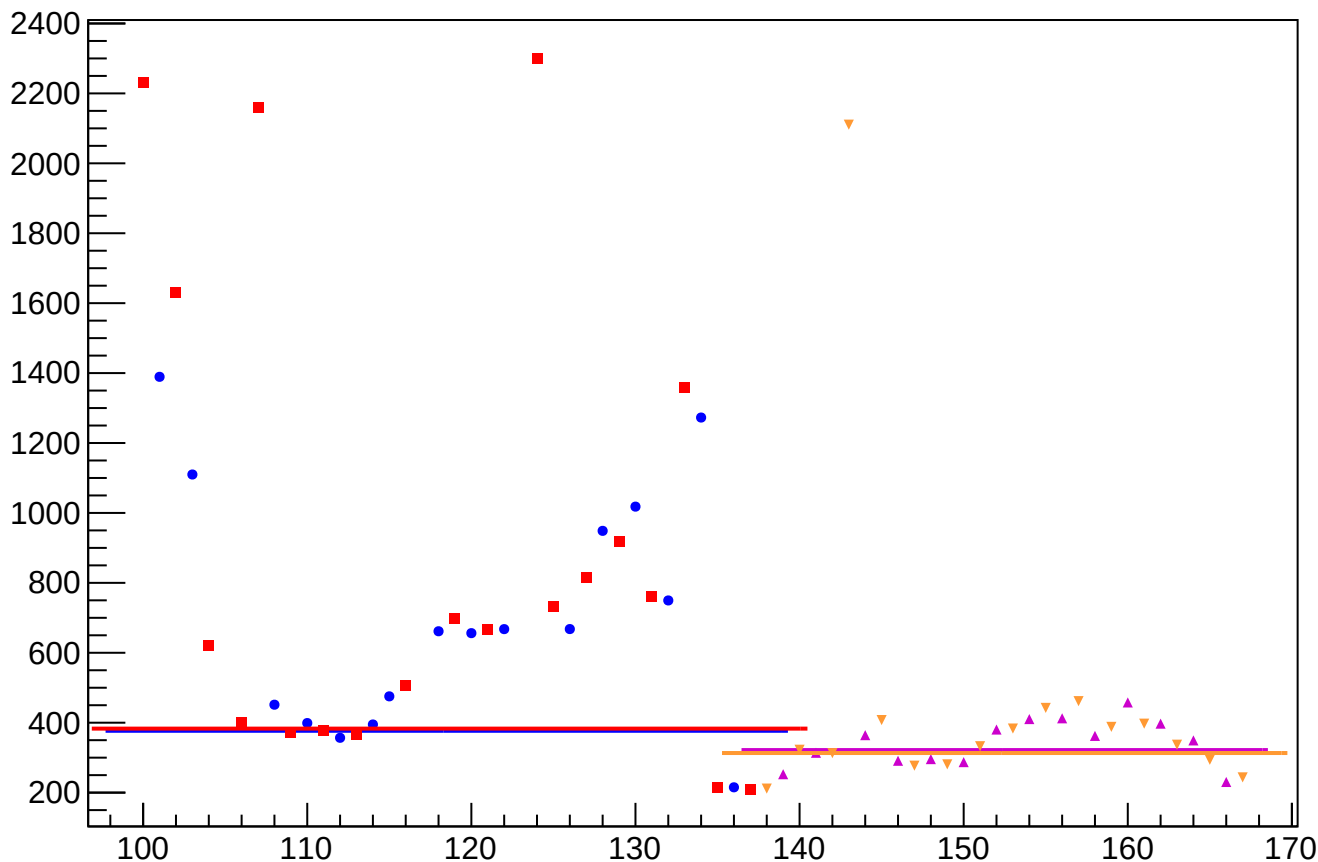
Left In: -117.124 ± 96.923 χ^2/NDF : 8.3/13

+ sign -320.480 ± 81.405 χ^2/NDF : 50.4/31

All: -230.720 ± 58.508 χ^2/NDF : 75.9/64

- sign -134.809 ± 84.148 χ^2/NDF : 23.1/32

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: 313.264+/-0.066 χ^2/NDF : 2317331.4/15

Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

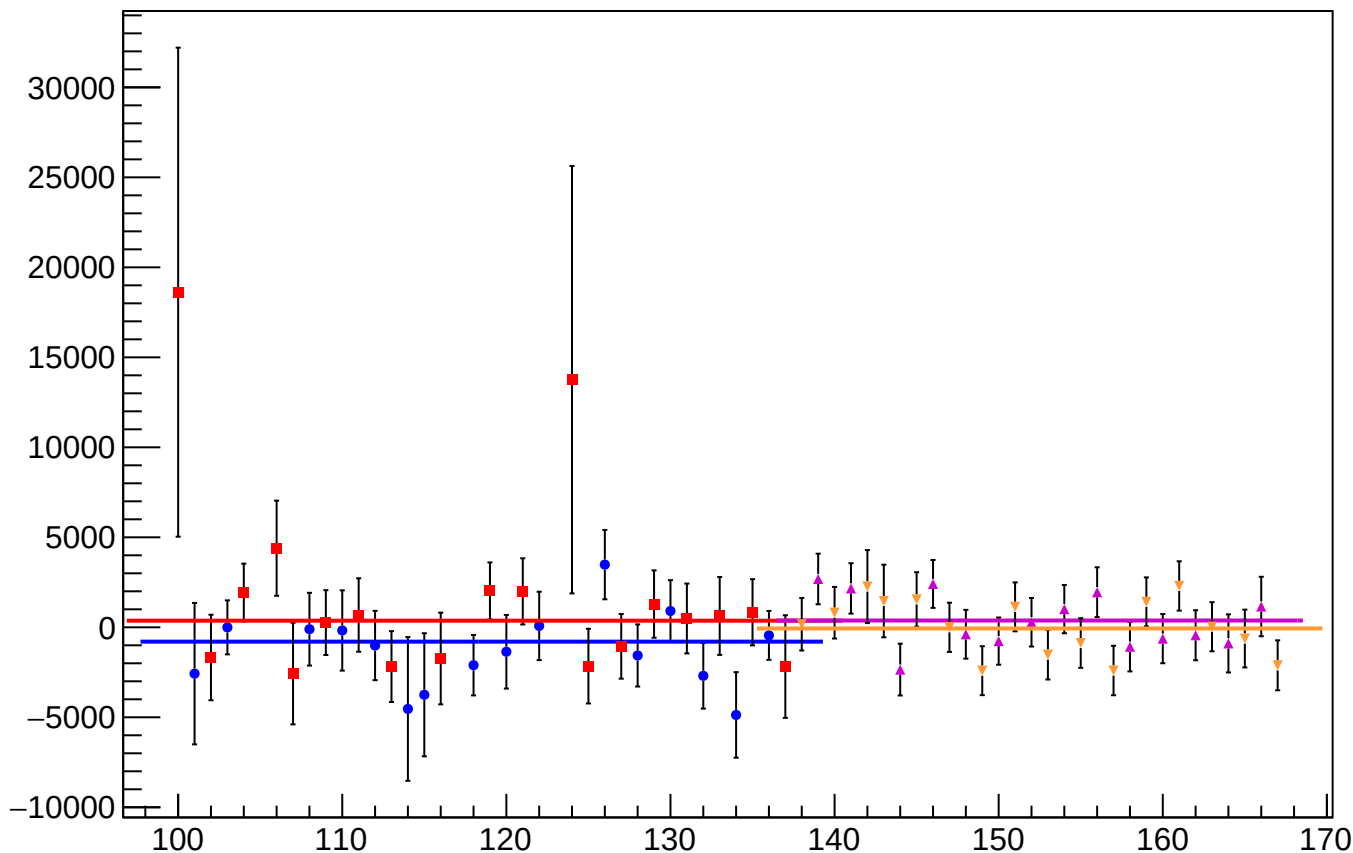
Left In: 321.695+/-0.069 χ^2/NDF : 818237.7/13

+ sign 328.167+/-0.058 χ^2/NDF : 6726687.8/31

All: 332.345+/-0.041 χ^2/NDF : 11807447.0/64

- sign 336.809+/-0.060 χ^2/NDF : 5069864.0/32

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883 ± 487.454 χ^2/NDF : 13.4/15

Left Out: -64.479 ± 362.785 χ^2/NDF : 18.0/15

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

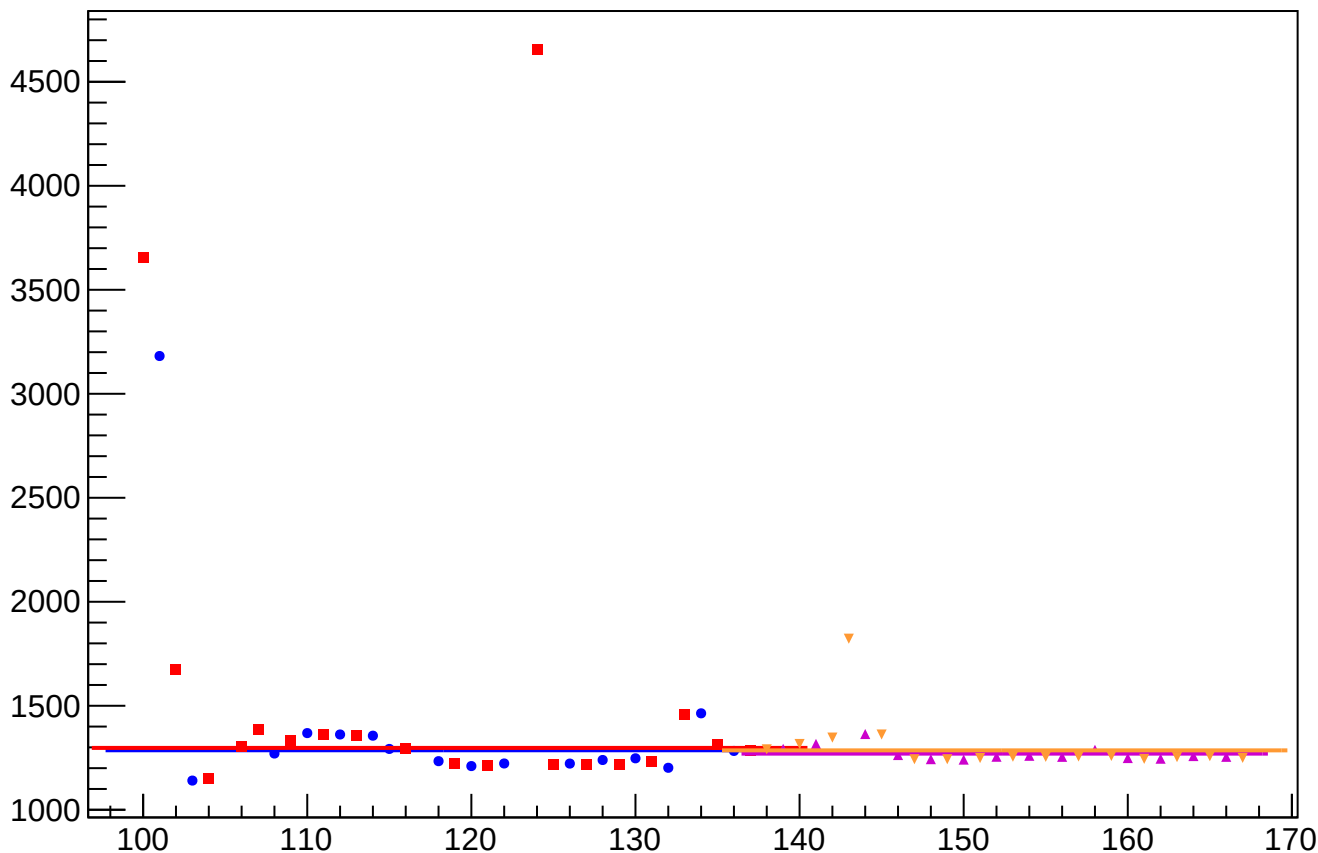
Left In: 377.818 ± 373.839 χ^2/NDF : 15.7/13

+ sign -325.550 ± 291.030 χ^2/NDF : 32.8/31

All: 17.825 ± 207.660 χ^2/NDF : 67.1/64

- sign 373.977 ± 296.395 χ^2/NDF : 31.4/32

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1285.581 $\pm$ 0.257 χ^2 /NDF: 163512.3/15

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

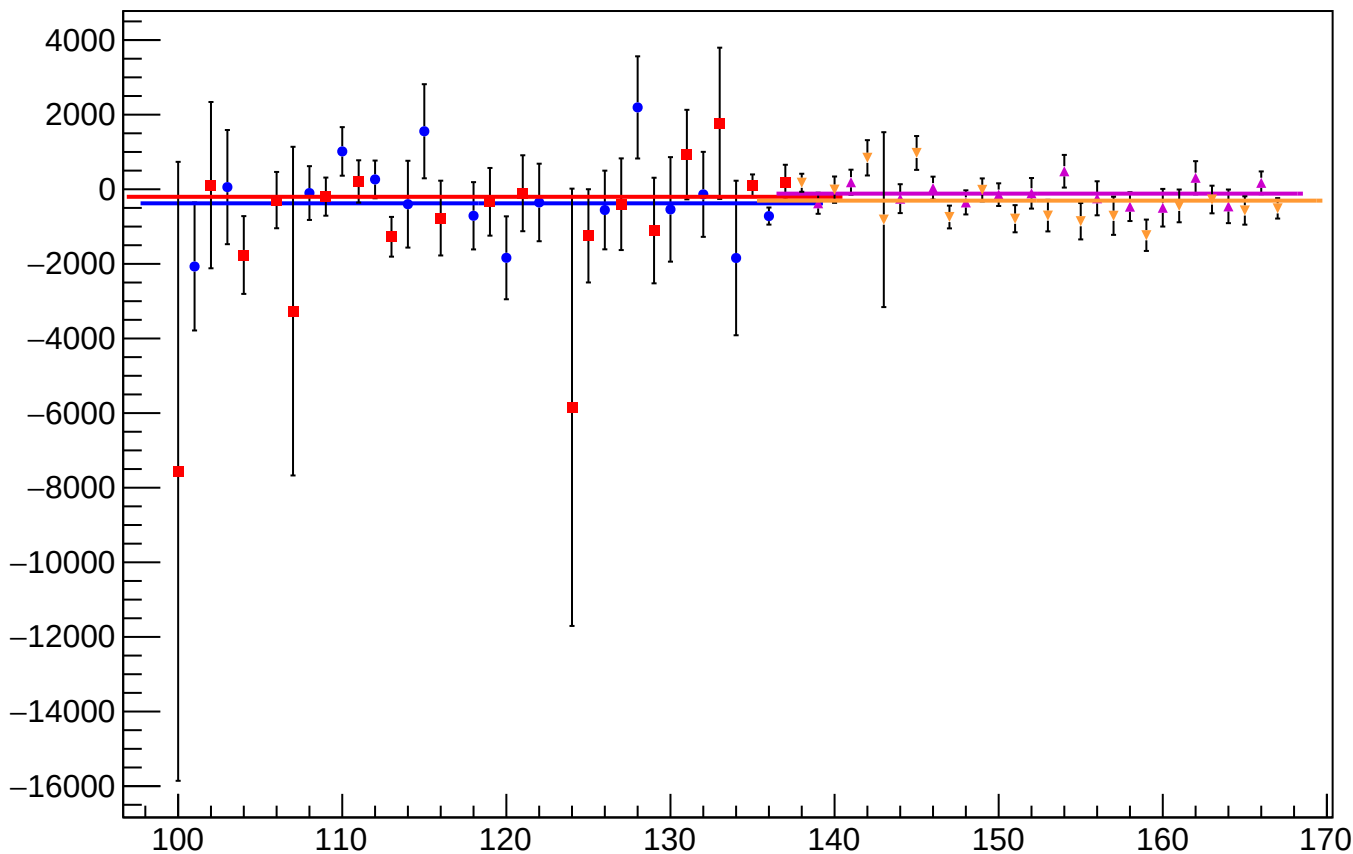
Left In: 1269.939 $\pm$ 0.264 χ^2 /NDF: 15501.8/13

+ sign 1285.765 $\pm$ 0.206 χ^2 /NDF: 681642.2/31

All: 1283.002 $\pm$ 0.147 χ^2 /NDF: 1029259.3/64

- sign 1280.136 $\pm$ 0.210 χ^2 /NDF: 347249.9/32

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -376.771 $\pm$ 168.223 χ^2 /NDF: 17.9/15

Left Out: -304.631 $\pm$ 93.028 χ^2 /NDF: 32.1/15

Right Out: -202.144 $\pm$ 169.377 χ^2 /NDF: 14.0/18

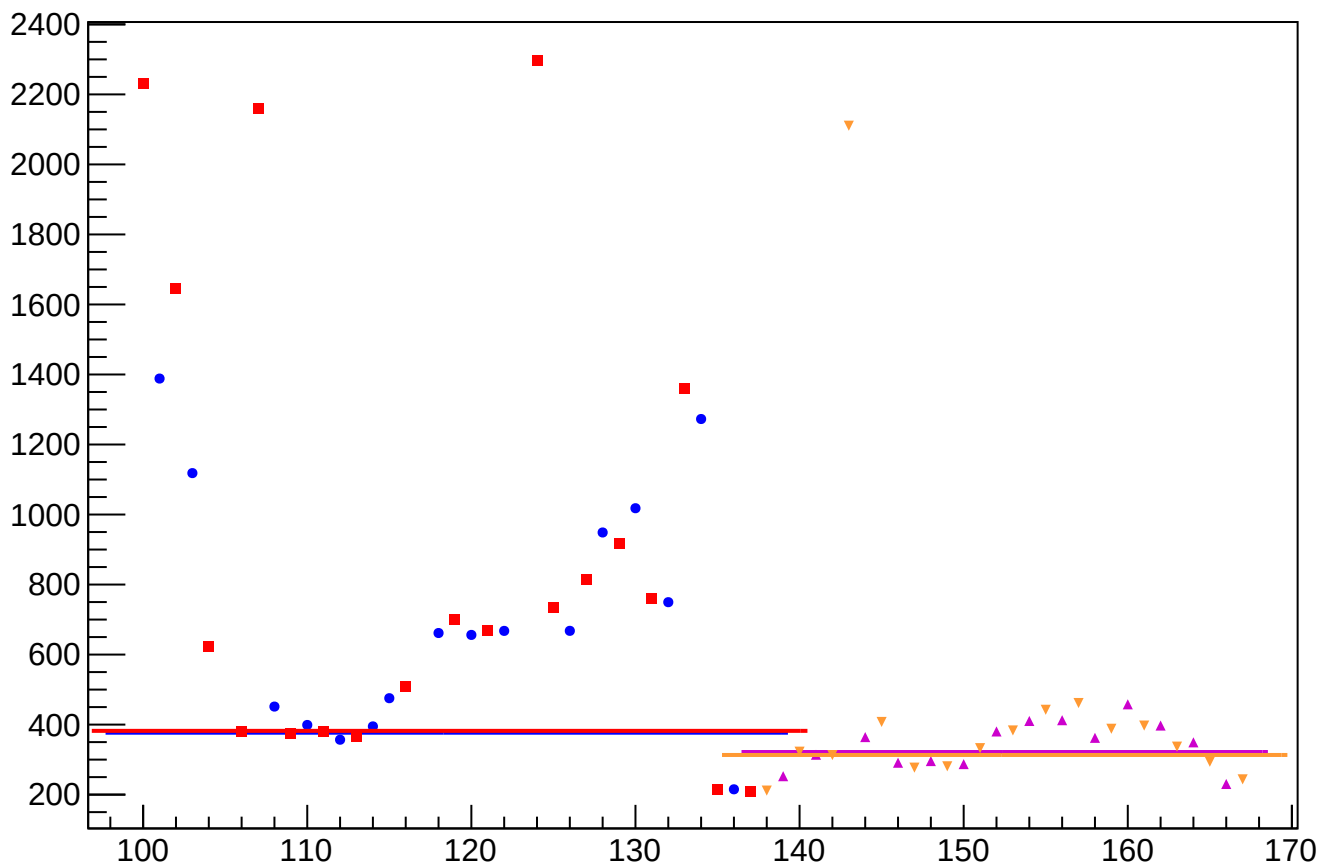
Left In: -117.149 $\pm$ 96.923 χ^2 /NDF: 8.3/13

+ sign -321.526 $\pm$ 81.409 χ^2 /NDF: 50.1/31

All: -232.828 $\pm$ 58.501 χ^2 /NDF: 75.1/64

- sign -138.115 $\pm$ 84.123 χ^2 /NDF: 22.5/32

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: 313.272+/-0.066 χ^2/NDF : 2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

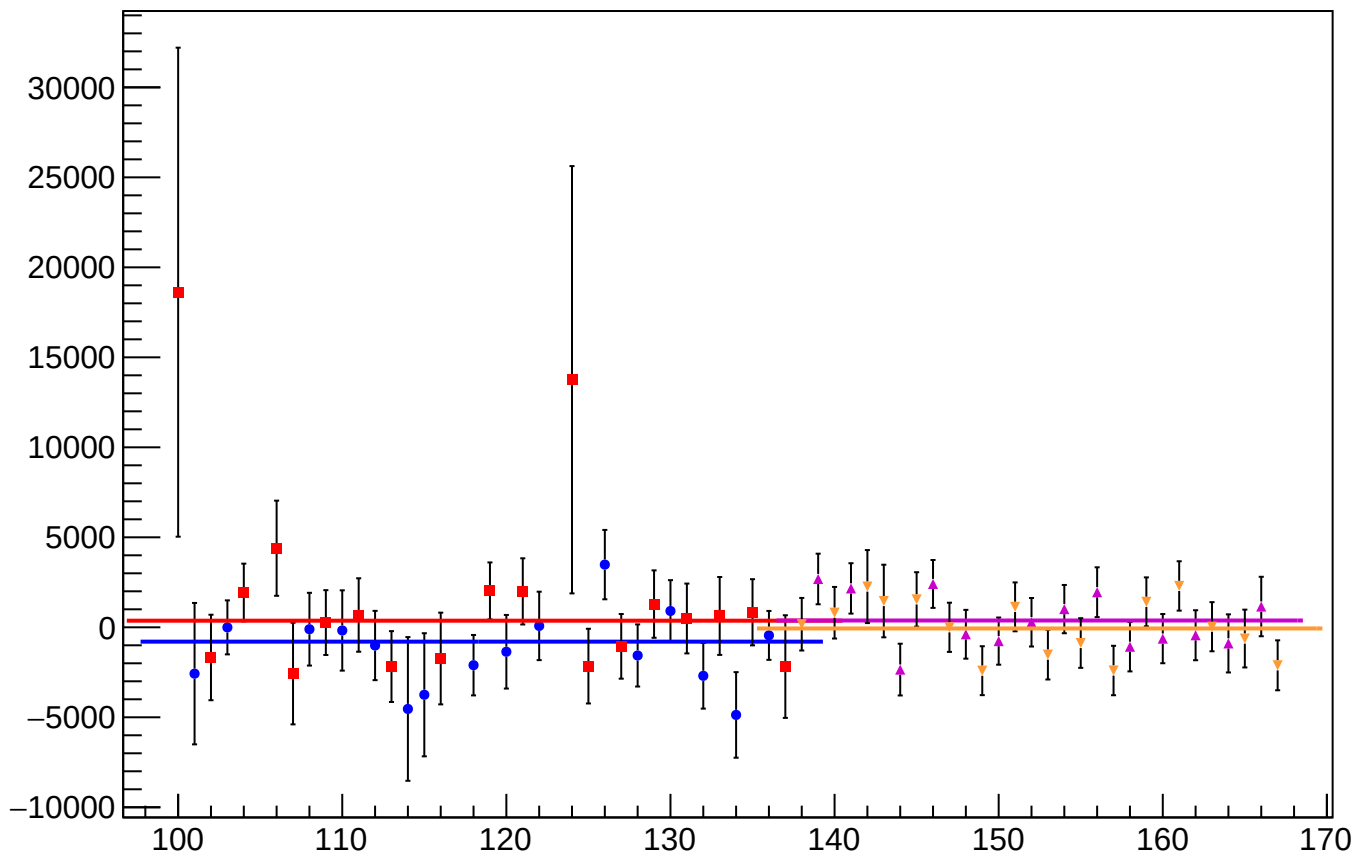
Left In: 321.694+/-0.069 χ^2/NDF : 818347.2/13

+ sign 328.170+/-0.058 χ^2/NDF : 6729517.4/31

All: 332.248+/-0.041 χ^2/NDF : 11809702.4/64

- sign 336.604+/-0.059 χ^2/NDF : 5069803.6/32

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: -64.479 ± 362.785 χ^2/NDF : 18.0/15

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

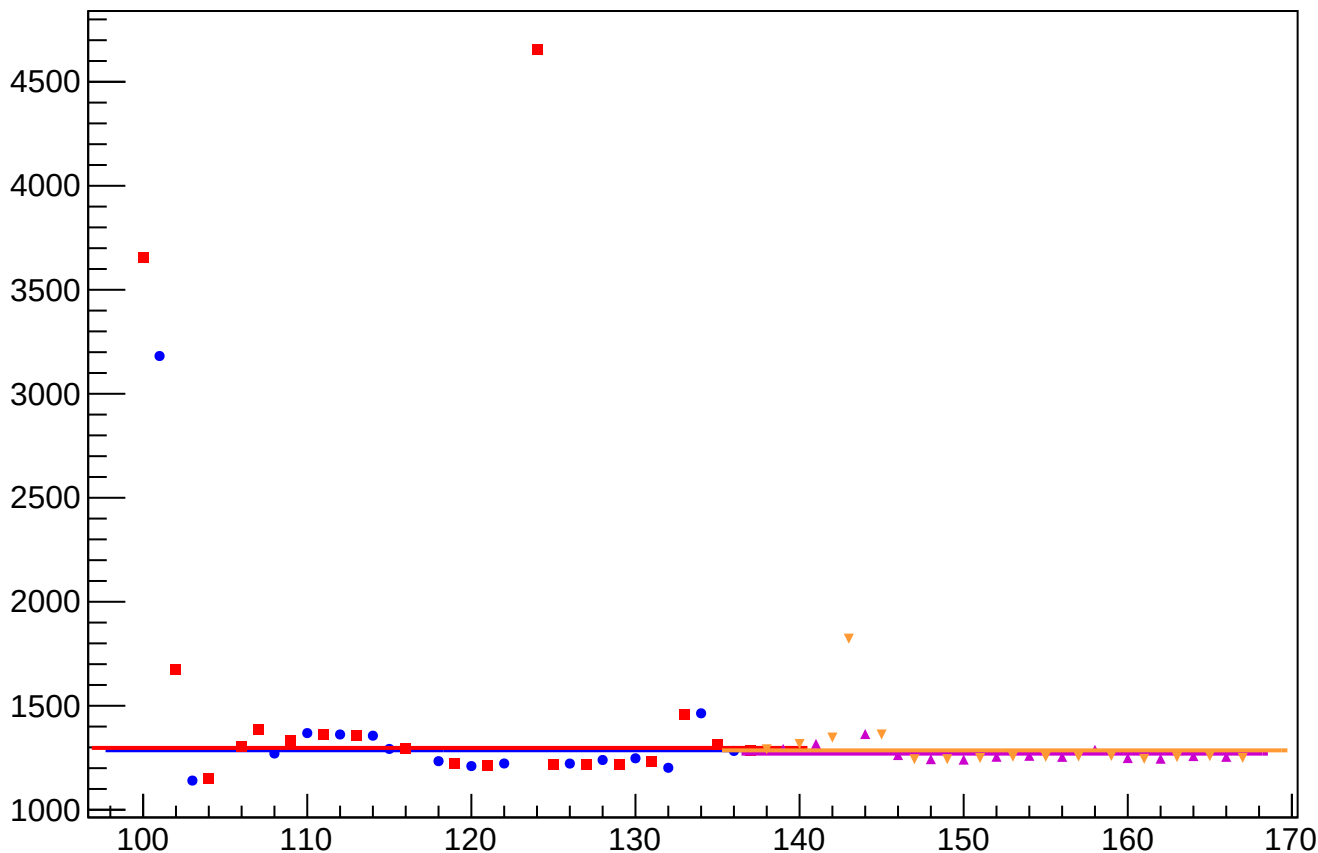
Left In: 377.818 ± 373.839 χ^2/NDF : 15.7/13

+ sign -325.550 ± 291.030 χ^2/NDF : 32.8/31

All: 17.825 ± 207.660 χ^2/NDF : 67.1/64

- sign 373.977 ± 296.395 χ^2/NDF : 31.4/32

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1285.581 $\pm$ 0.257 χ^2 /NDF:163512.3/15

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

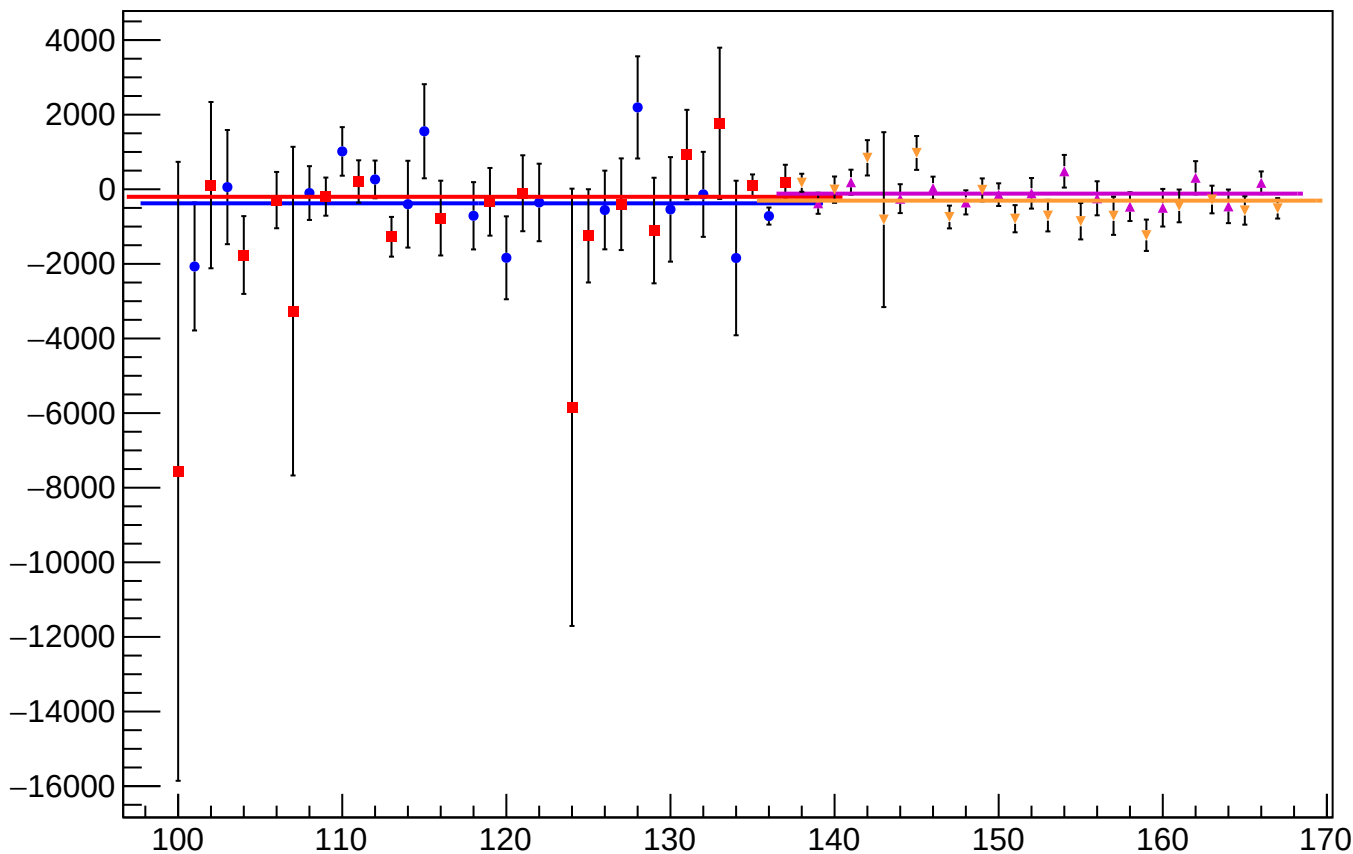
Left In: 1269.939 $\pm$ 0.264 χ^2 /NDF:15501.8/13

+ sign 1285.765 $\pm$ 0.206 χ^2 /NDF: 681642.2/31

All: 1283.002 $\pm$ 0.147 χ^2 /NDF: 1029259.3/64

- sign 1280.136 $\pm$ 0.210 χ^2 /NDF: 347249.9/32

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: -304.631 ± 93.028 χ^2/NDF : 32.1/15

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

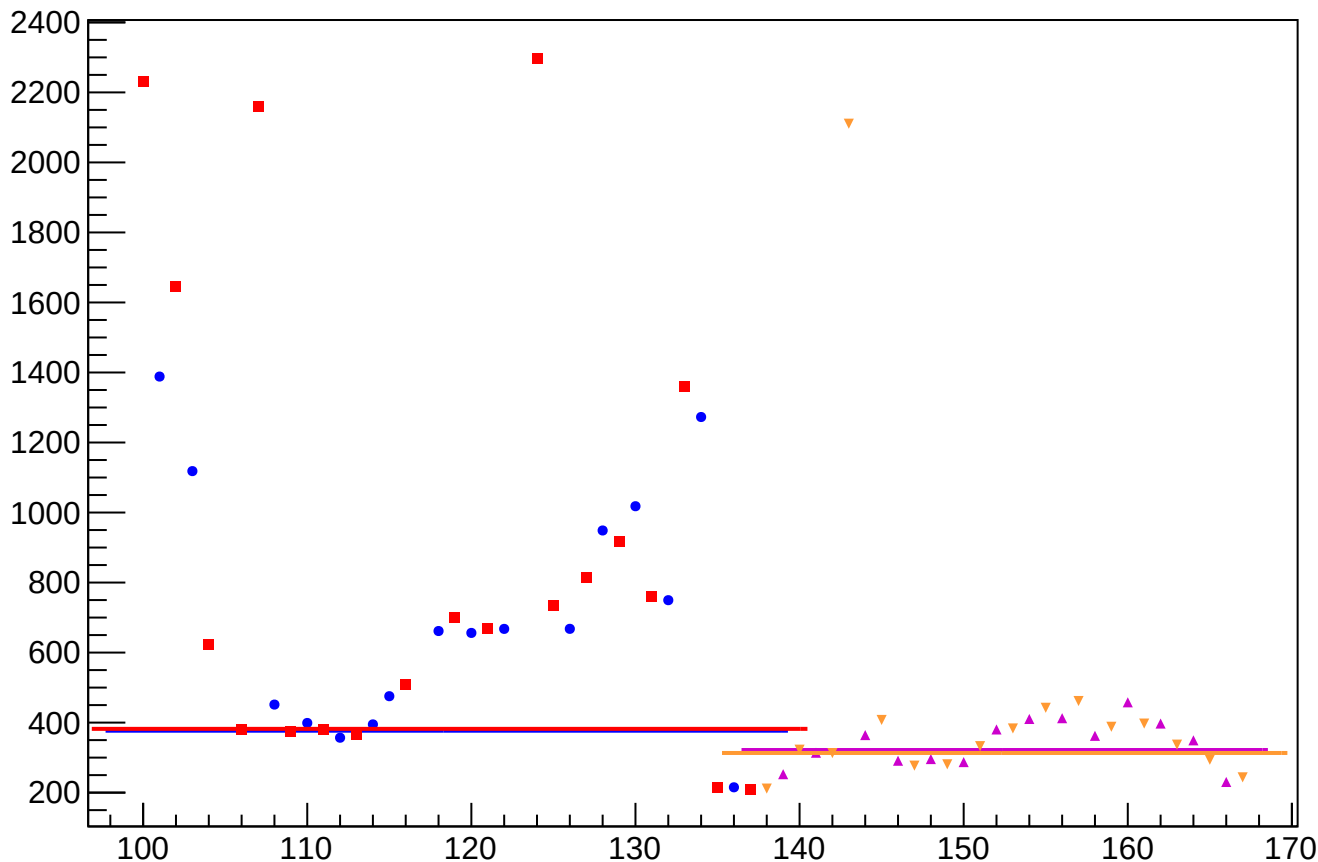
Left In: -117.149 ± 96.923 χ^2/NDF : 8.3/13

+ sign -321.526 ± 81.409 χ^2/NDF : 50.1/31

All: -232.828 ± 58.501 χ^2/NDF : 75.1/64

- sign -138.115 ± 84.123 χ^2/NDF : 22.5/32

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 376.884 $\pm$ 0.119 χ^2 /NDF: 4193328.0/15

Left Out: 313.272 $\pm$ 0.066 χ^2 /NDF: 2317186.1/15

Right Out: 382.136 $\pm$ 0.120 χ^2 /NDF: 4059600.2/18

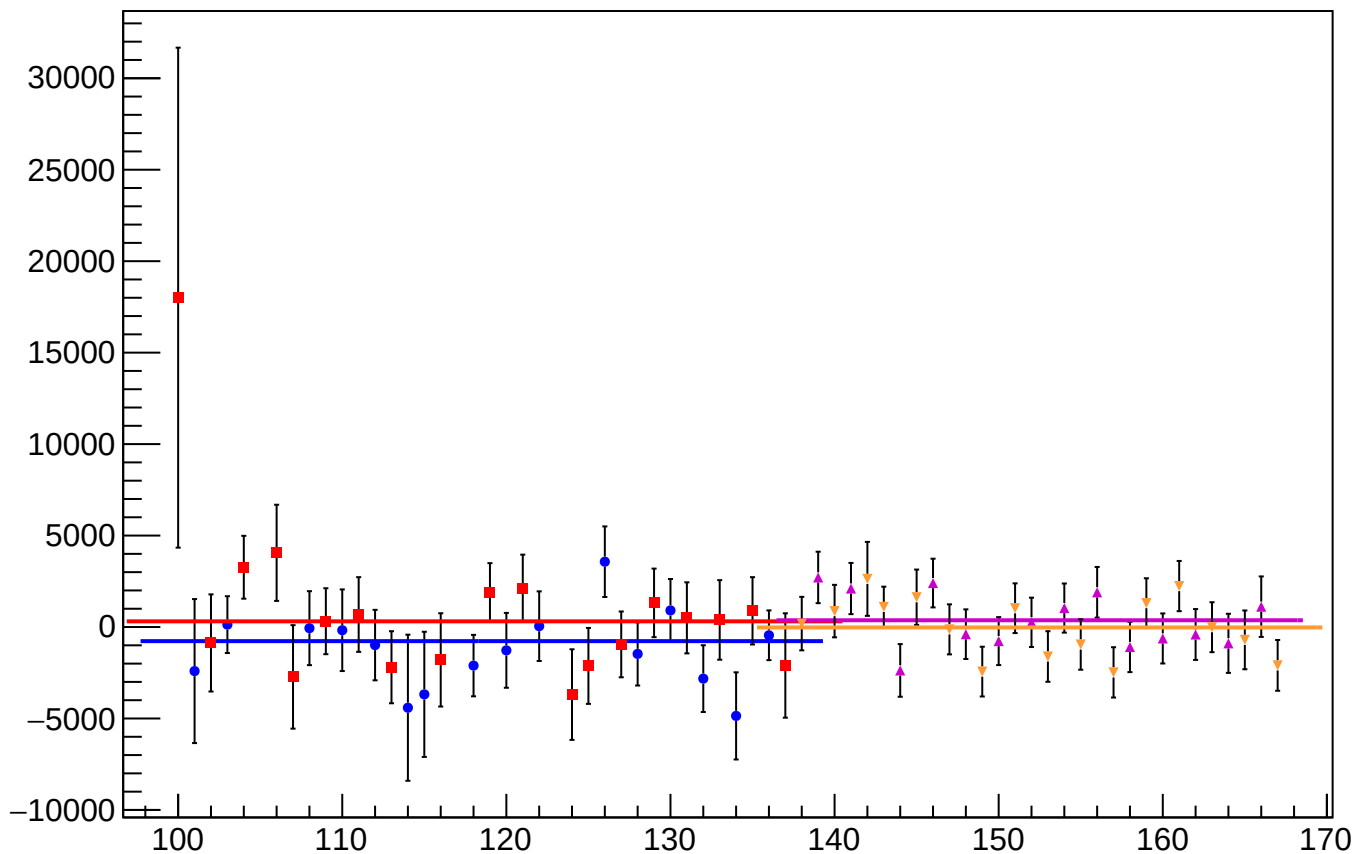
Left In: 321.694 $\pm$ 0.069 χ^2 /NDF: 818347.2/13

+ sign 328.170 $\pm$ 0.058 χ^2 /NDF: 6729517.4/31

All: 332.248 $\pm$ 0.041 χ^2 /NDF: 11809702.4/64

- sign 336.604 $\pm$ 0.059 χ^2 /NDF: 5069803.6/32

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499 ± 489.602 χ^2/NDF : 13.6/15

Left Out: -23.503 ± 350.082 χ^2/NDF : 19.2/15

Right Out: 311.418 ± 482.642 χ^2/NDF : 17.9/18

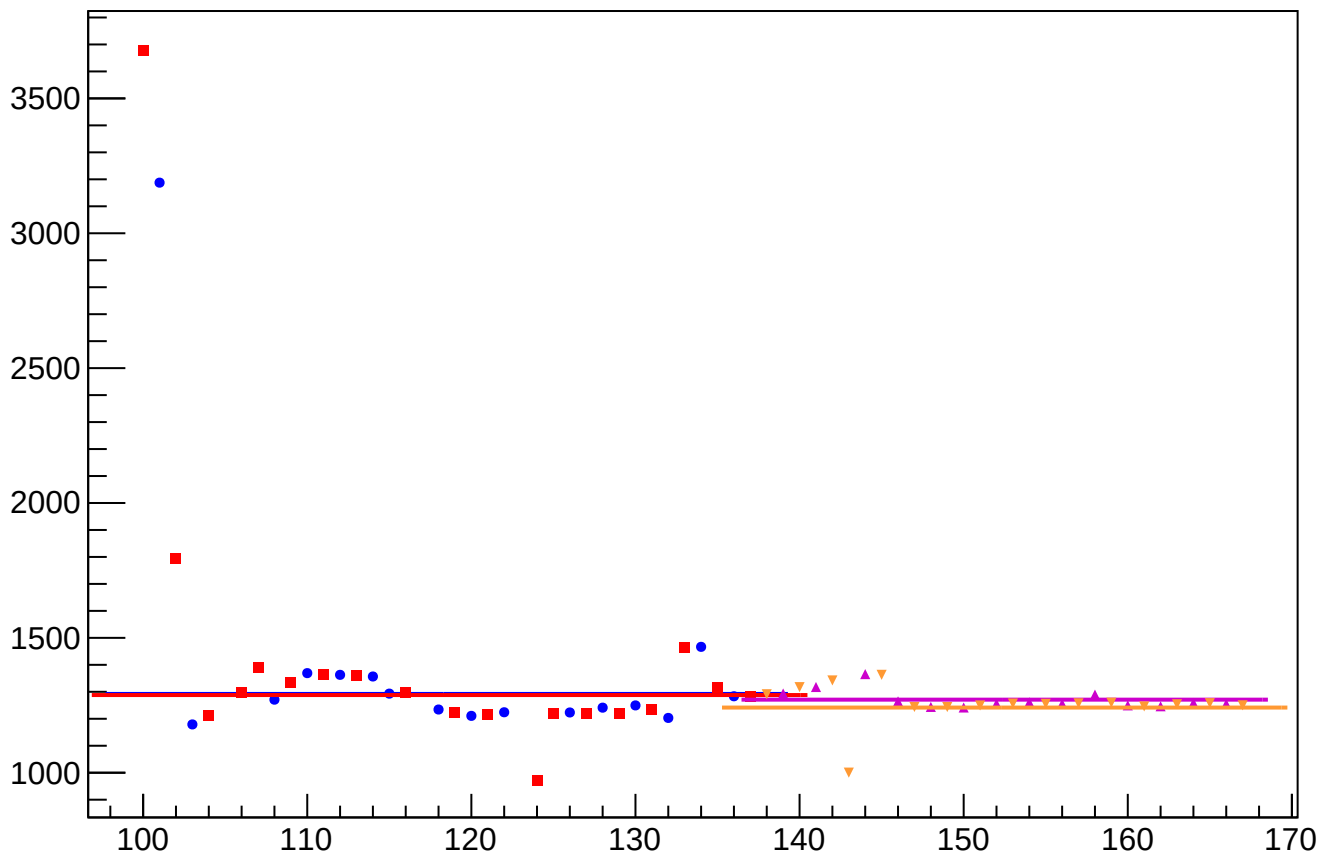
Left In: 369.436 ± 374.124 χ^2/NDF : 15.6/13

+ sign -276.555 ± 284.773 χ^2/NDF : 34.3/31

All: 23.816 ± 205.116 χ^2/NDF : 70.2/64

- sign 347.659 ± 295.690 χ^2/NDF : 33.5/32

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: 1241.561 $\pm$ 0.248 χ^2 /NDF: 122229.2/15

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

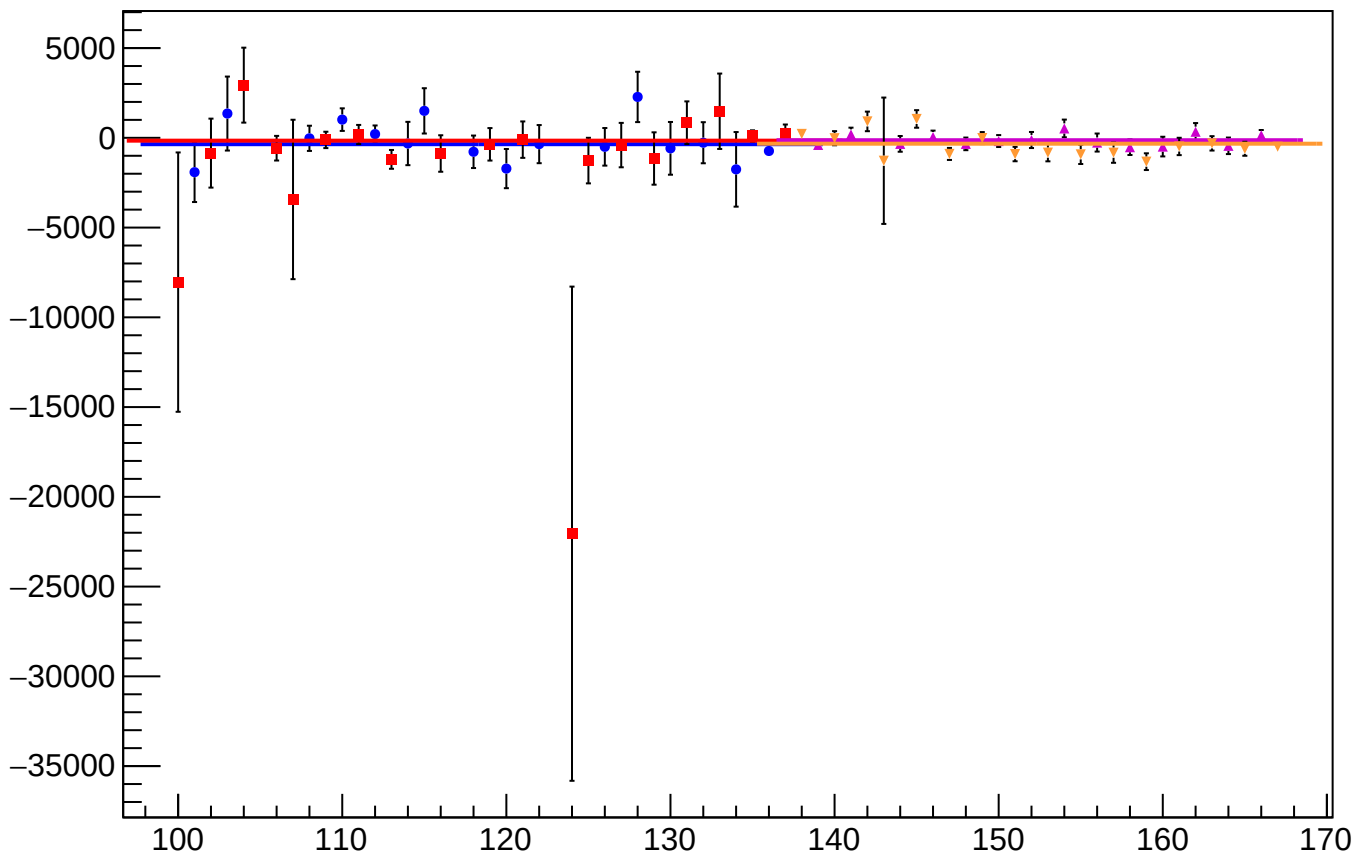
Left In: 1270.900 $\pm$ 0.265 χ^2 /NDF: 15599.3/13

+ sign 1258.637 $\pm$ 0.201 χ^2 /NDF: 645702.1/31

All: 1267.624 $\pm$ 0.145 χ^2 /NDF: 876215.8/64

- sign 1277.314 $\pm$ 0.209 χ^2 /NDF: 226374.3/32

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -355.226 $\pm$ 169.971 χ^2 /NDF: 18.4/15

Left Out: -327.824 $\pm$ 98.934 χ^2 /NDF:33.4/15

Right Out: -157.924 $\pm$ 169.665 χ^2 /NDF: 15.8/18

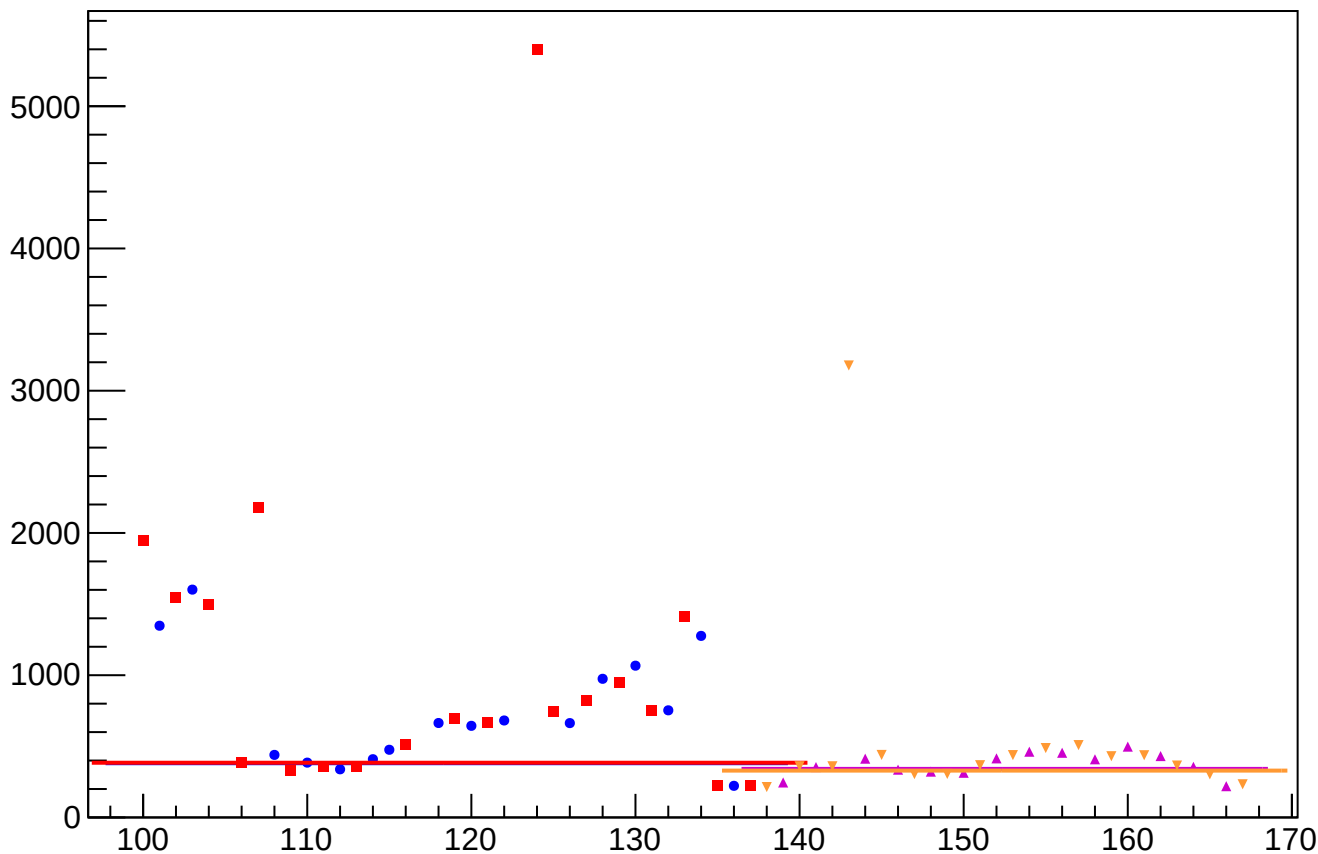
Left In: -133.328 $\pm$ 103.813 χ^2 /NDF:7.8/13

+ sign -334.759 $\pm$ 85.504 χ^2 /NDF: 51.8/31

All: -240.802 $\pm$ 61.510 χ^2 /NDF: 78.0/64

- sign -140.028 $\pm$ 88.552 χ^2 /NDF: 23.7/32

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: 329.360+/-0.070 χ^2/NDF : 2886622.7/15

Right Out: 384.651+/-0.120 χ^2/NDF : 4560208.6/18

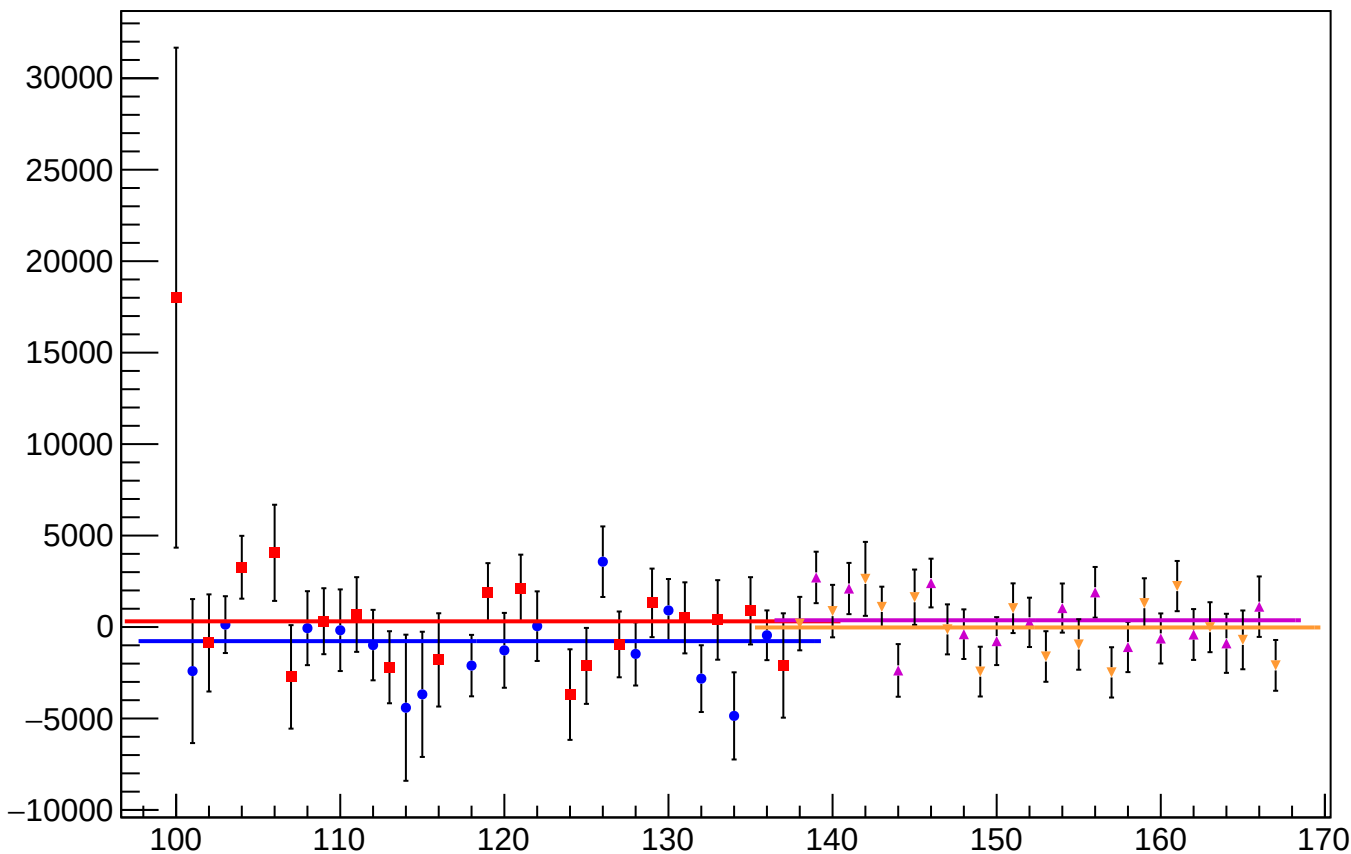
Left In: 341.365+/-0.073 χ^2/NDF : 1221700.0/13

+ sign 342.516+/-0.060 χ^2/NDF : 7344309.0/31

All: 347.650+/-0.043 χ^2/NDF : 13235875.3/64

- sign 353.156+/-0.063 χ^2/NDF : 5876623.0/32

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: -23.502 ± 350.082 χ^2/NDF : 19.2/15

Right Out: 311.419 ± 482.642 χ^2/NDF : 17.9/18

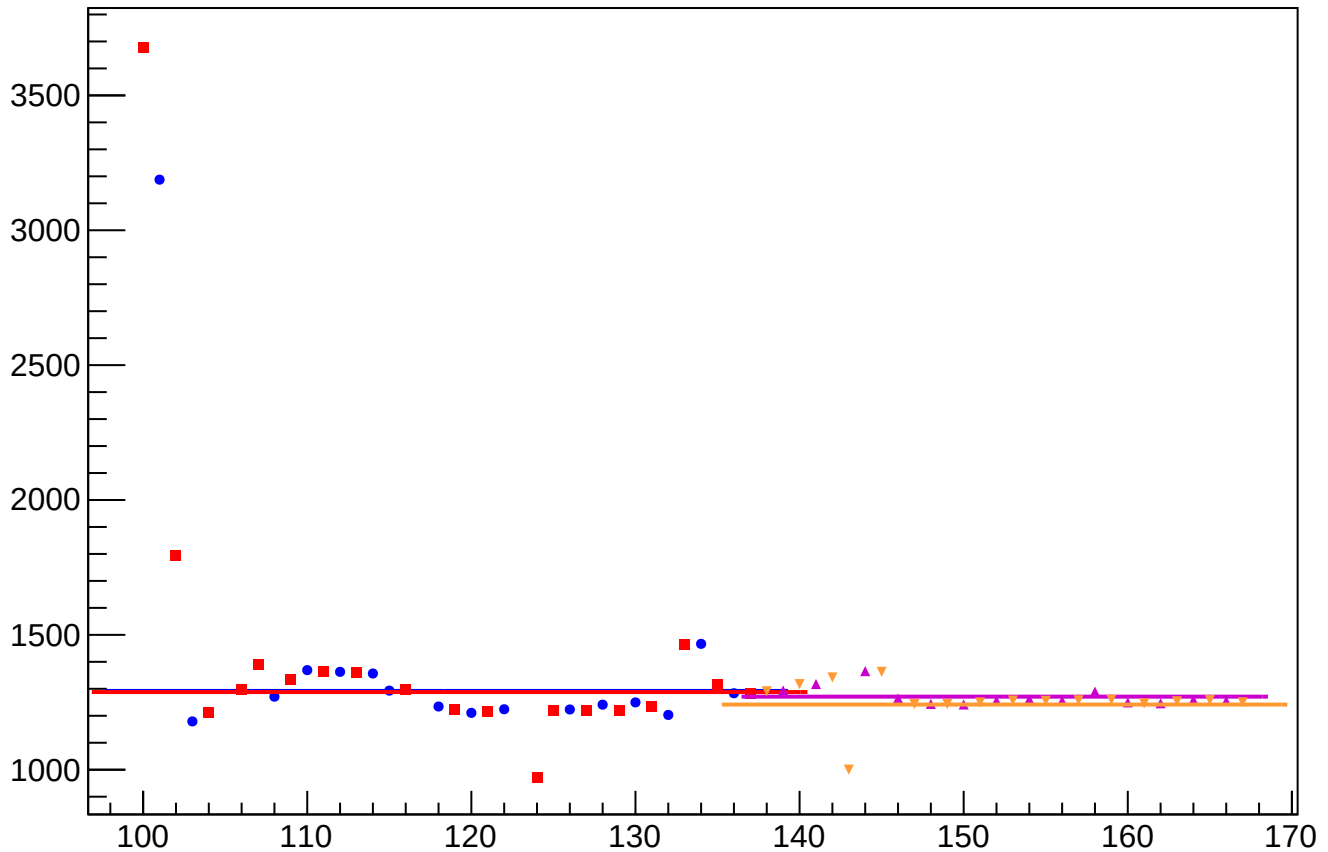
Left In: 369.436 ± 374.124 χ^2/NDF : 15.6/13

+ sign -276.555 ± 284.773 χ^2/NDF : 34.3/31

All: 23.816 ± 205.116 χ^2/NDF : 70.2/64

- sign 347.660 ± 295.690 χ^2/NDF : 33.5/32

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: 1241.561 $\pm$ 0.248 χ^2 /NDF: 122228.4/15

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

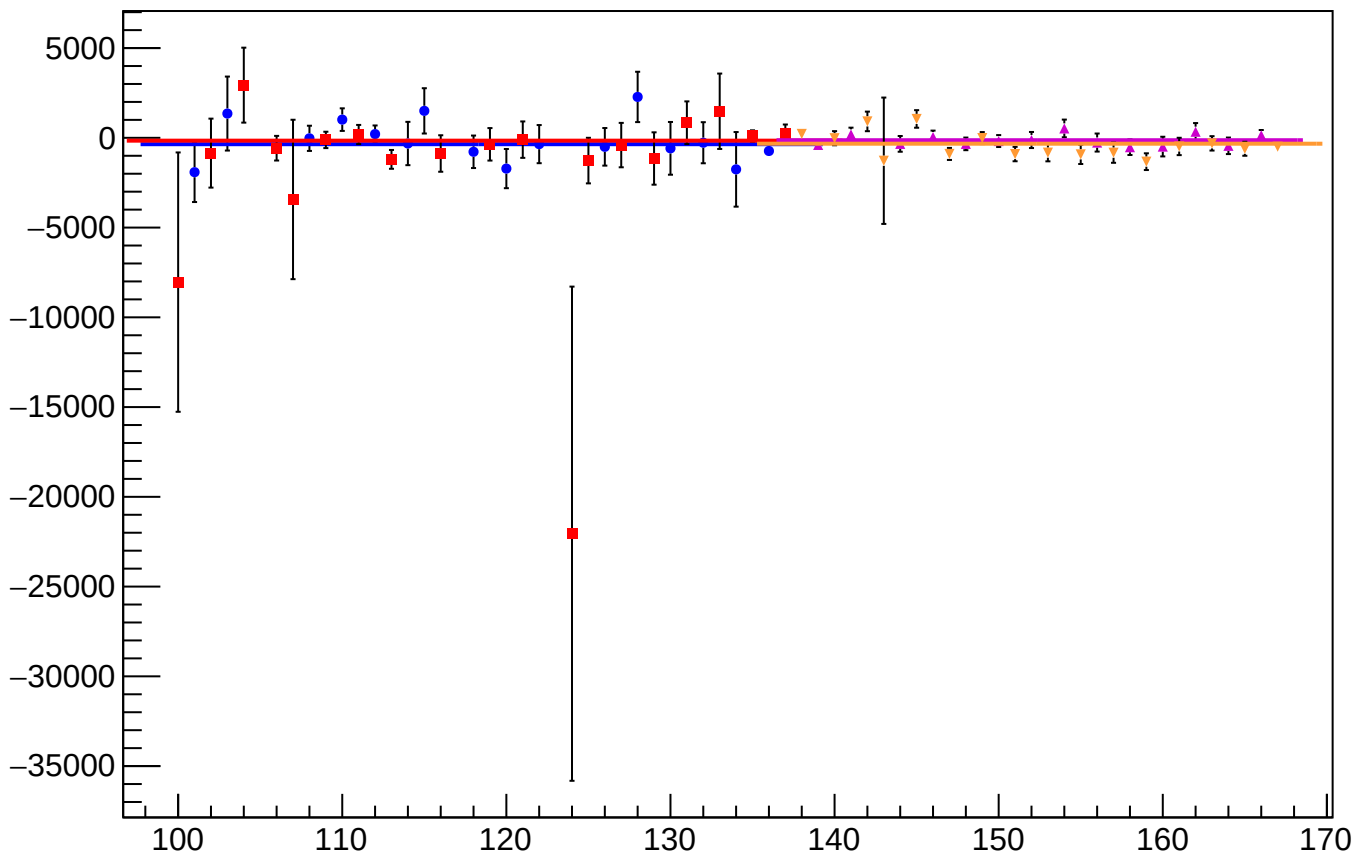
Left In: 1270.900 $\pm$ 0.265 χ^2 /NDF: 15599.4/13

+ sign 1258.638 $\pm$ 0.201 χ^2 /NDF: 645701.2/31

All: 1267.625 $\pm$ 0.145 χ^2 /NDF: 876215.1/64

- sign 1277.314 $\pm$ 0.209 χ^2 /NDF: 226374.6/32

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -355.226 $\pm$ 169.973 χ^2 /NDF: 18.4/15

Left Out: -327.835 $\pm$ 98.935 χ^2 /NDF:33.4/15

Right Out: -157.929 $\pm$ 169.667 χ^2 /NDF: 15.8/18

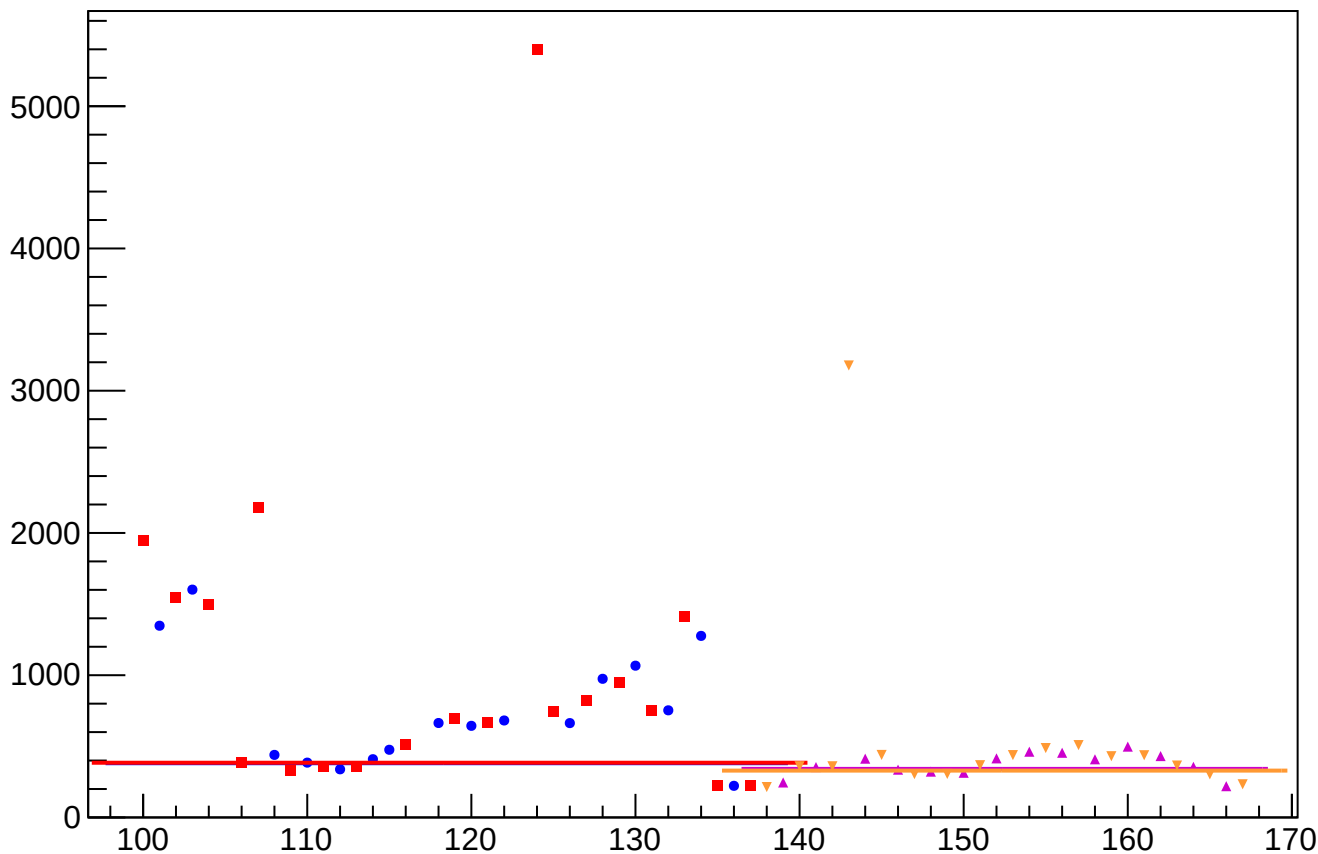
Left In: -133.327 $\pm$ 103.814 χ^2 /NDF:7.8/13

+ sign -334.766 $\pm$ 85.505 χ^2 /NDF: 51.8/31

All: -240.806 $\pm$ 61.510 χ^2 /NDF: 78.0/64

- sign -140.028 $\pm$ 88.552 χ^2 /NDF: 23.7/32

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 381.359+/-0.120 χ^2/NDF : 4317737.3/15

Left Out: 329.363+/-0.070 χ^2/NDF : 2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF : 4560068.3/18

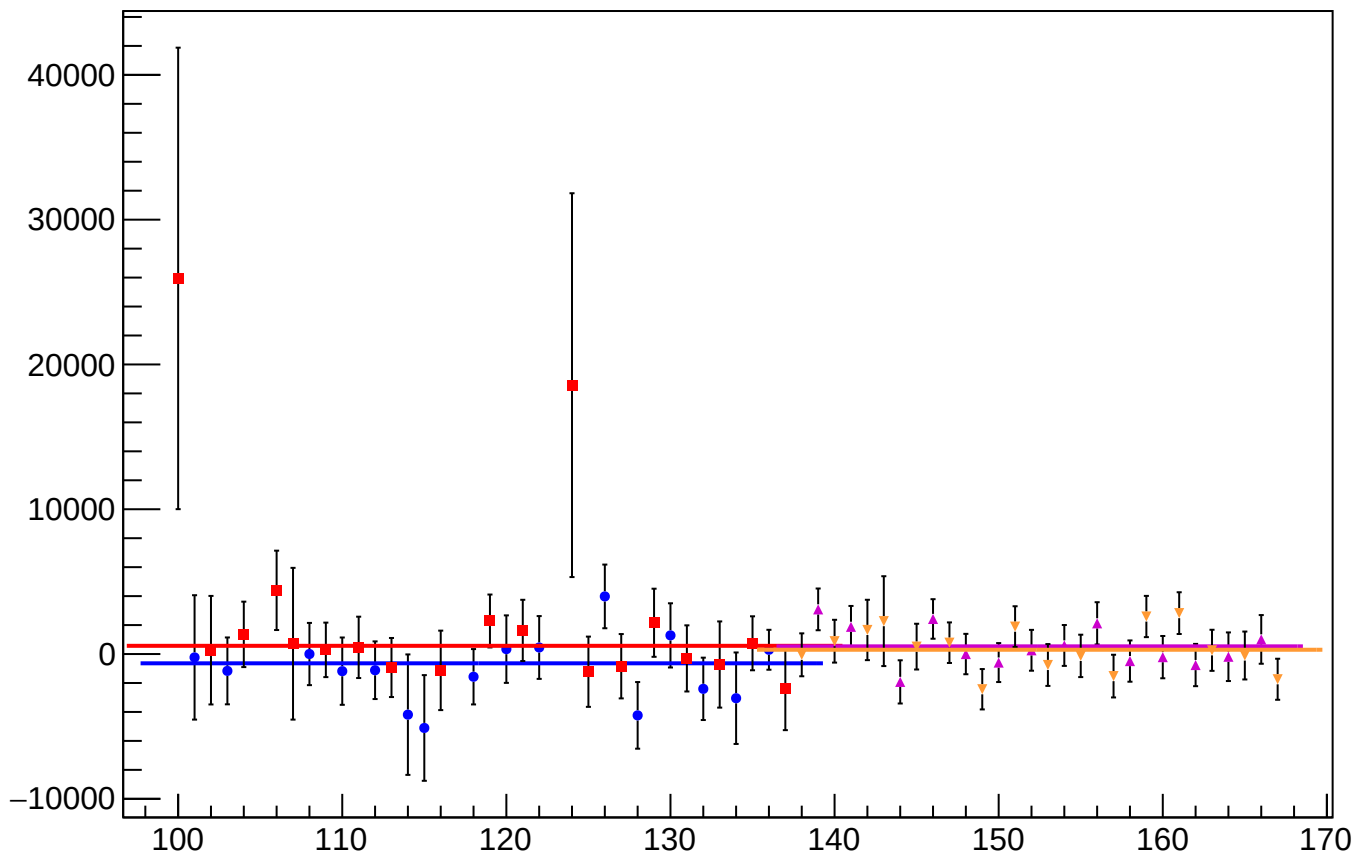
Left In: 341.368+/-0.073 χ^2/NDF : 1221623.5/13

+ sign 342.521+/-0.060 χ^2/NDF : 7344020.6/31

All: 347.655+/-0.043 χ^2/NDF : 13235387.1/64

- sign 353.161+/-0.063 χ^2/NDF : 5876426.2/32

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824 ± 564.366 χ^2/NDF : 12.5/15

Left Out: 295.725 ± 380.267 χ^2/NDF : 16.2/15

Right Out: 567.254 ± 566.774 χ^2/NDF : 11.3/18

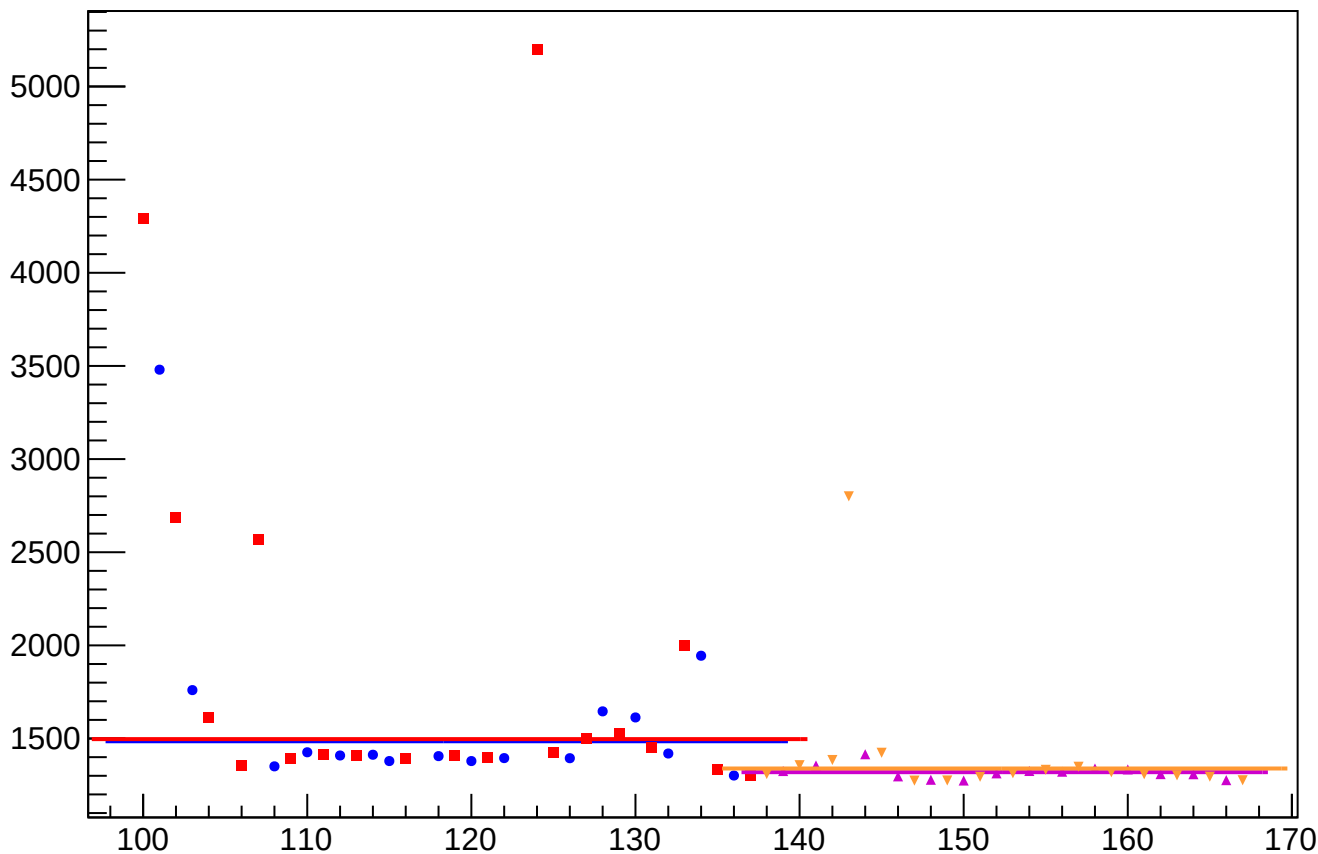
Left In: 530.752 ± 388.427 χ^2/NDF : 12.5/13

+ sign 3.295 ± 315.360 χ^2/NDF : 30.6/31

All: 268.579 ± 224.755 χ^2/NDF : 55.9/64

- sign 542.417 ± 320.404 χ^2/NDF : 23.8/32

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1339.155+/-0.269 χ^2/NDF : 470405.8/15

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

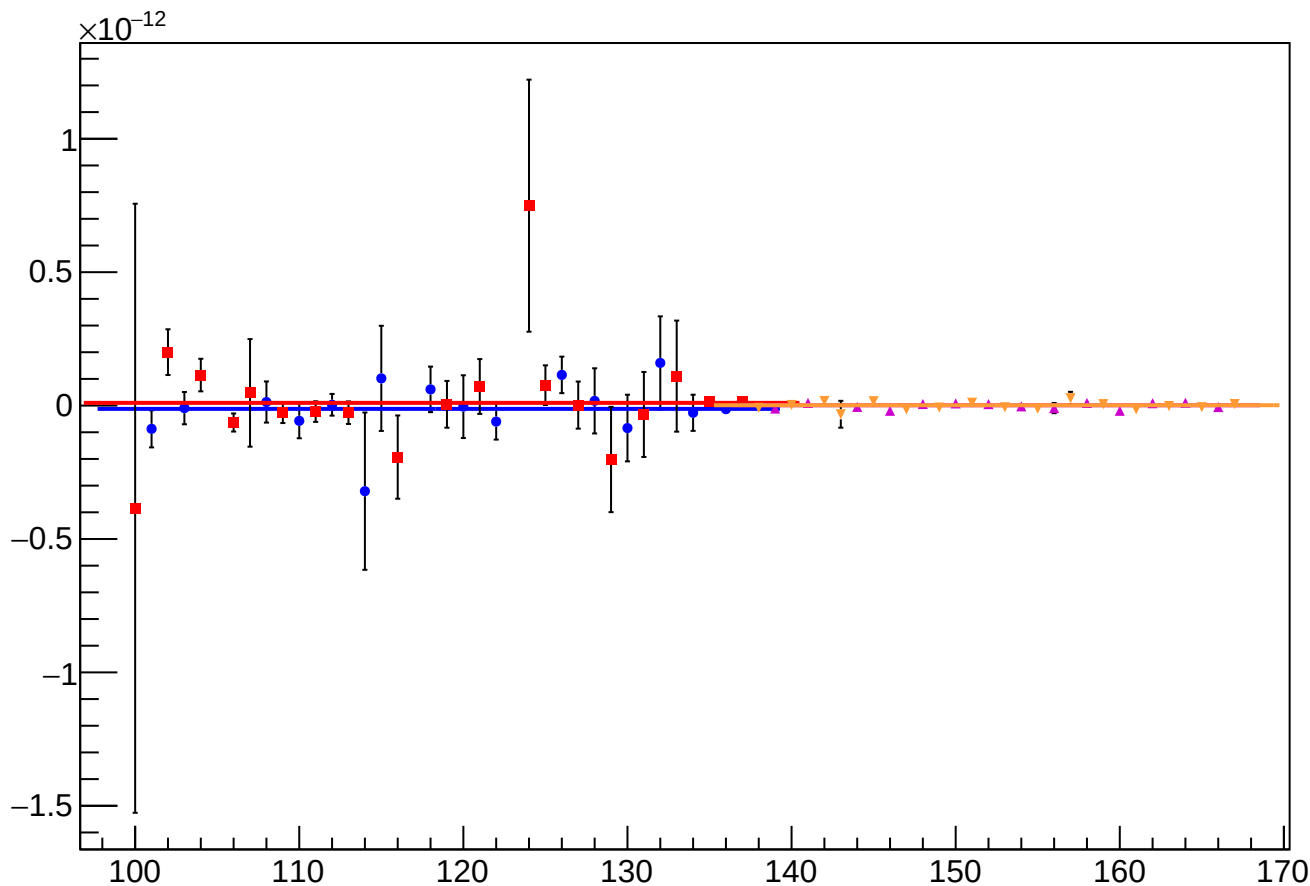
Left In: 1319.430+/-0.275 χ^2/NDF : 16212.5/13

+ sign 1384.810+/-0.223 χ^2/NDF : 1147202.8/31

All: 1380.541+/-0.159 χ^2/NDF : 1920826.2/64

- sign 1376.135+/-0.227 χ^2/NDF : 772878.8/32

asym_atl_avg_atr_avg_dd_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:14.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

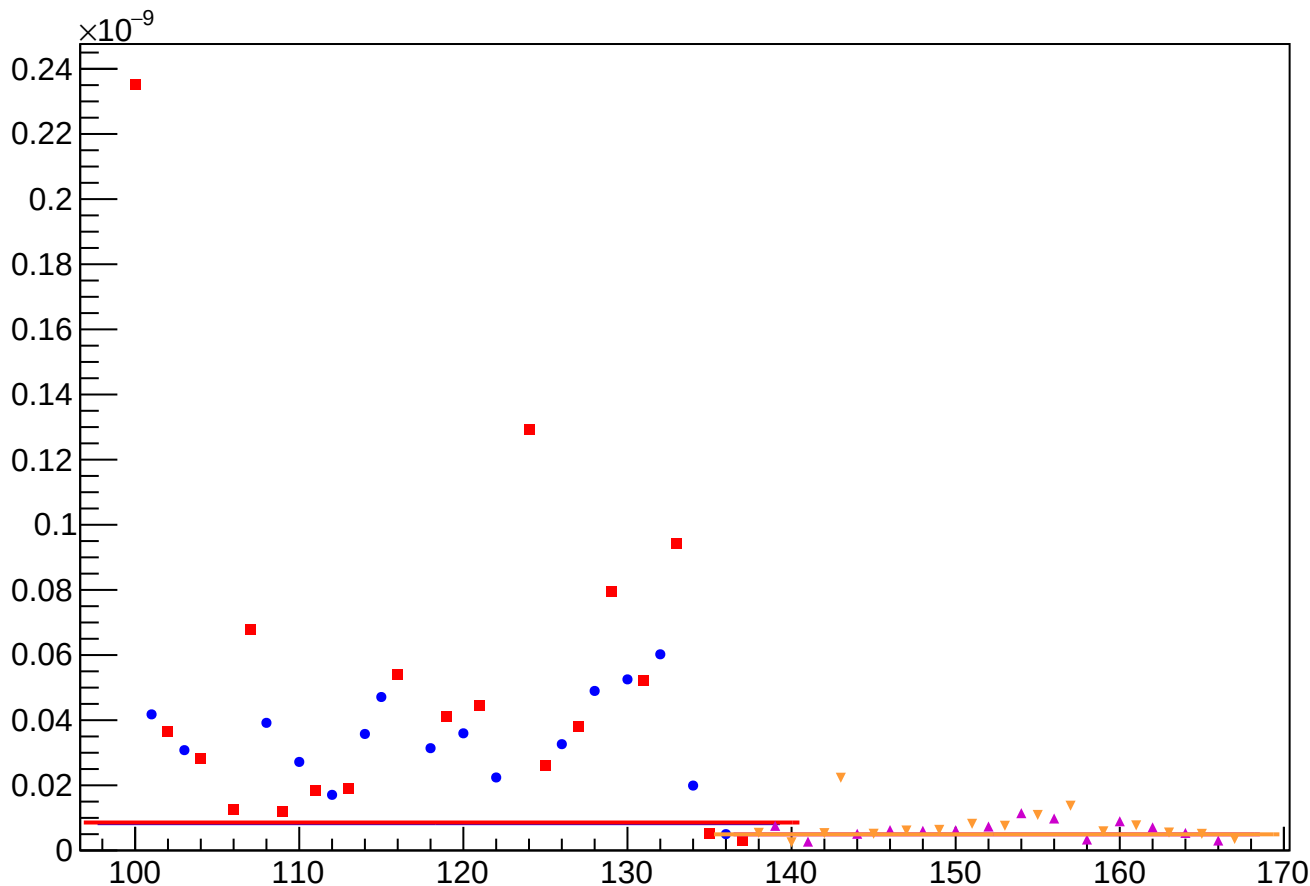
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 65.8/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.2/32

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1759200.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3348571.5/18

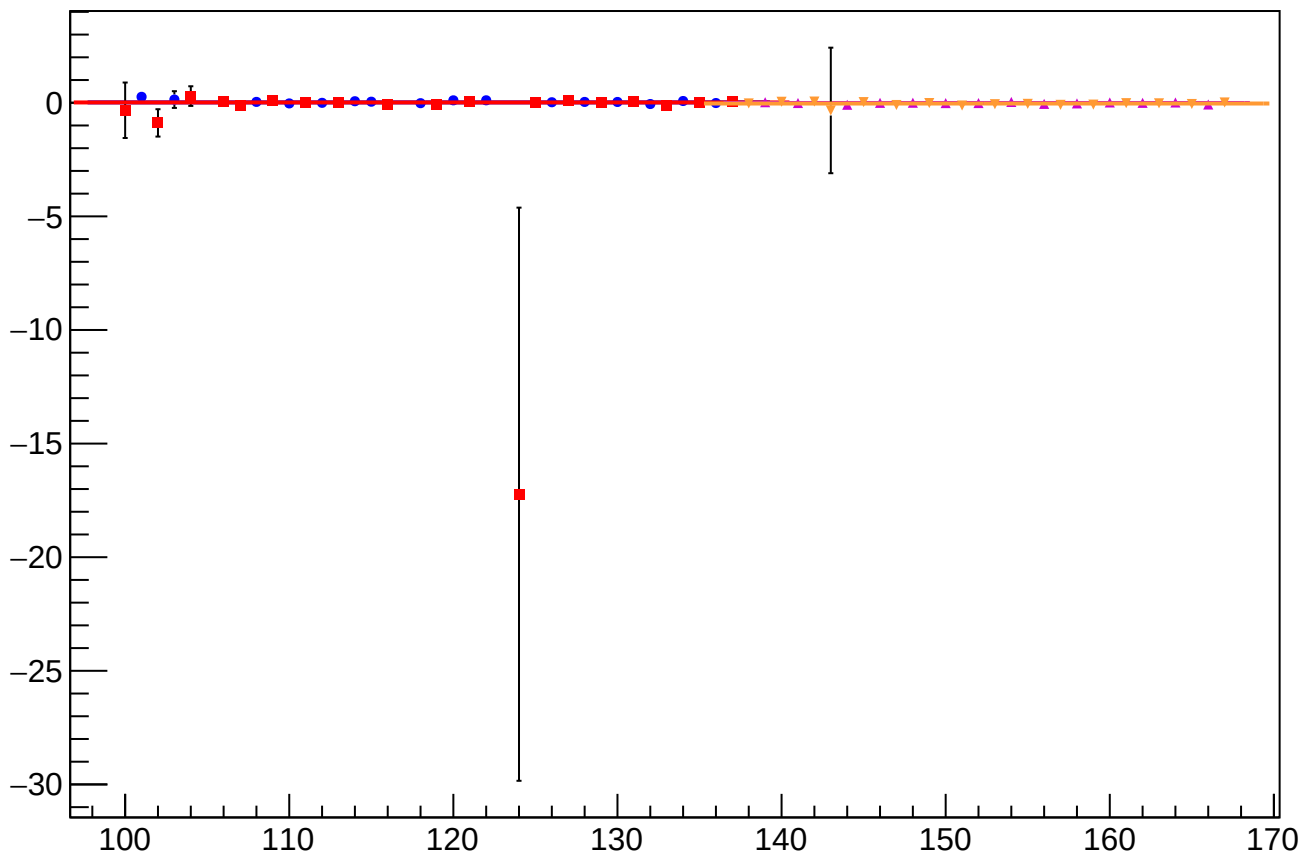
Left In: 0.000+/-0.000 χ^2/NDF : 1441224.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5204635.1/31

All: 0.000+/-0.000 χ^2/NDF : 10366750.0/64

- sign 0.000+/-0.000 χ^2/NDF : 5162107.5/32

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

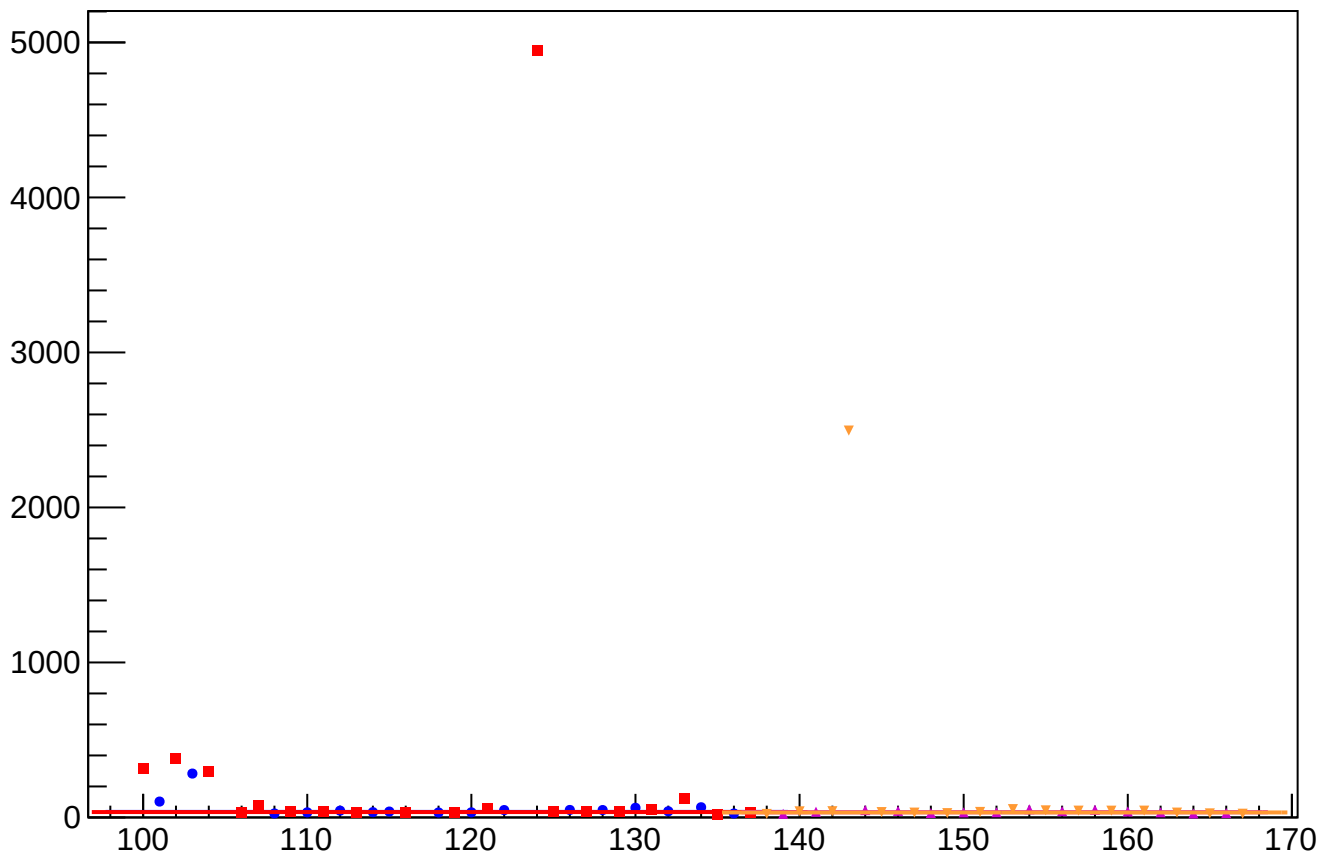
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

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: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891530.3/15

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

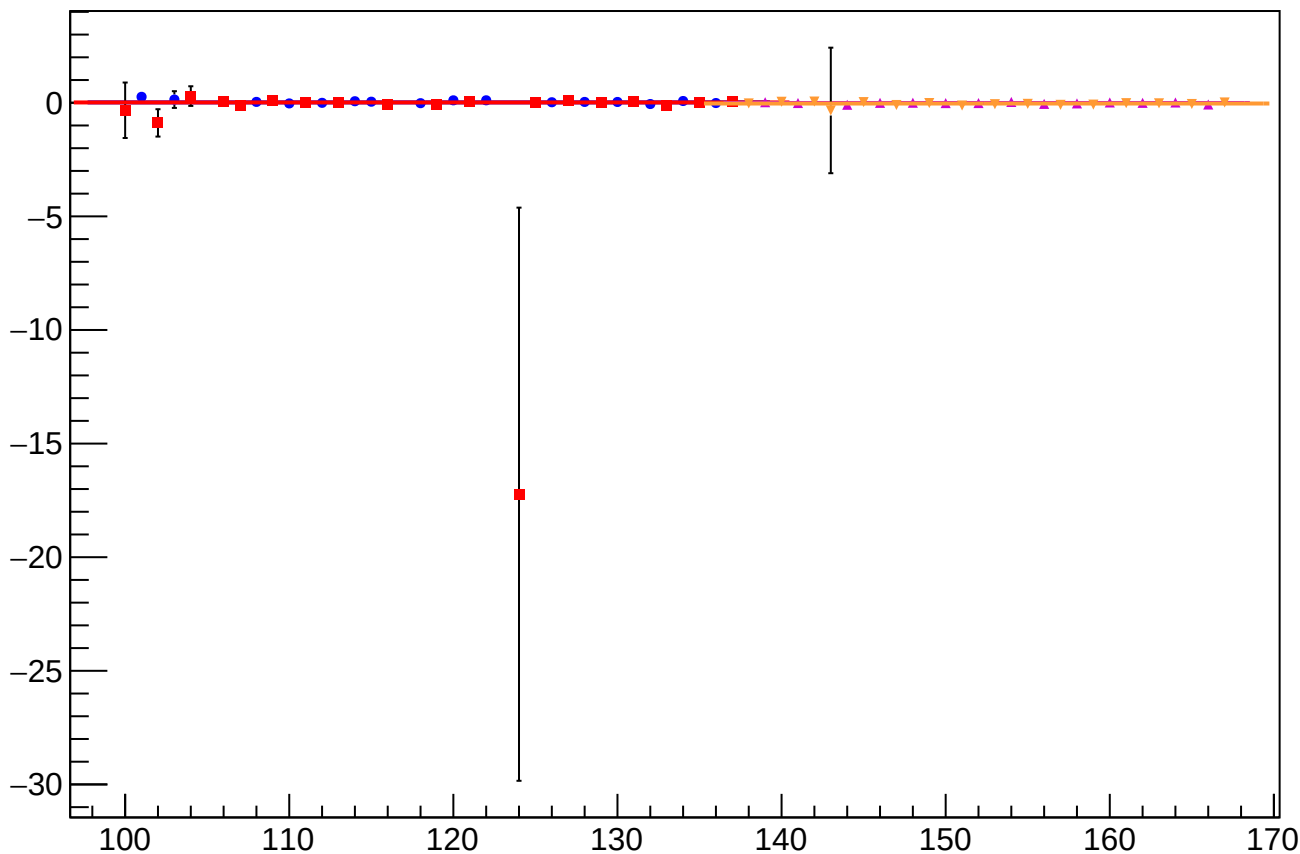
Left In: 33.902 $\pm$ 0.008 χ^2 /NDF: 1089706.9/13

+ sign 33.319 $\pm$ 0.006 χ^2 /NDF: 5227422.7/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9245675.8/64

- sign 34.197 $\pm$ 0.006 χ^2 /NDF: 4008244.7/32

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

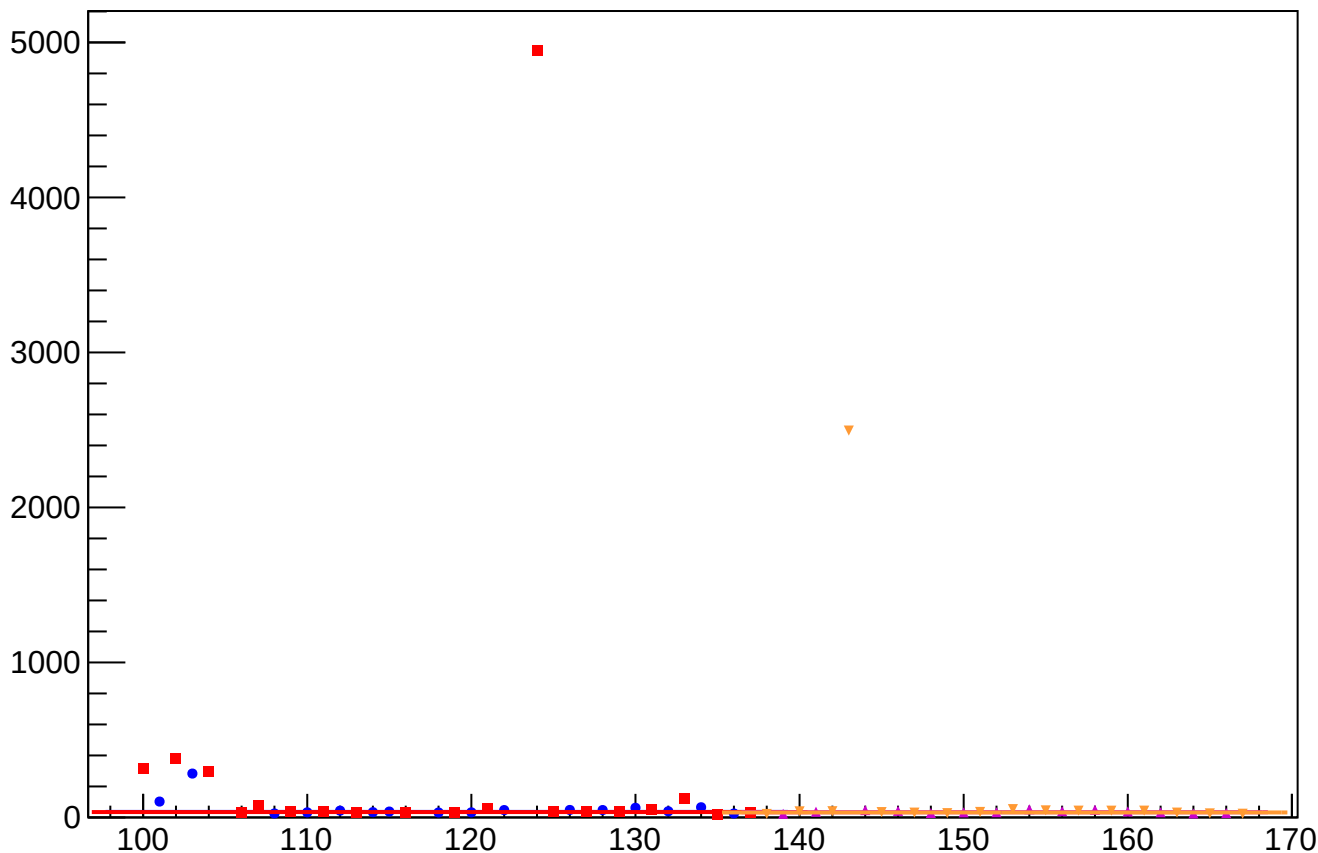
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

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: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891530.3/15

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

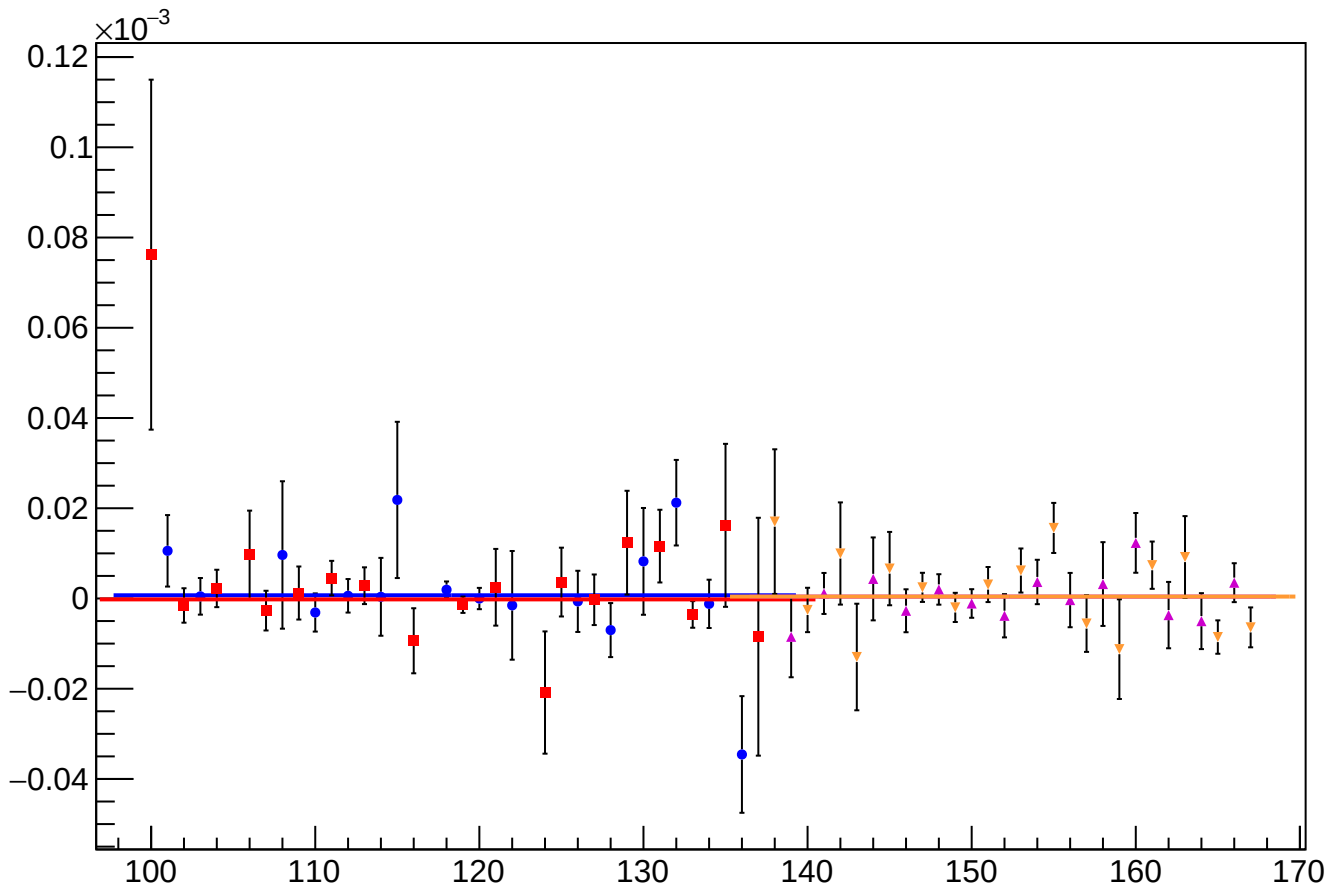
Left In: 33.902 $\pm$ 0.008 χ^2 /NDF: 1089706.9/13

+ sign 33.319 $\pm$ 0.006 χ^2 /NDF: 5227422.7/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9245675.8/64

- sign 34.197 $\pm$ 0.006 χ^2 /NDF: 4008244.7/32

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 19.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.3/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.1/18

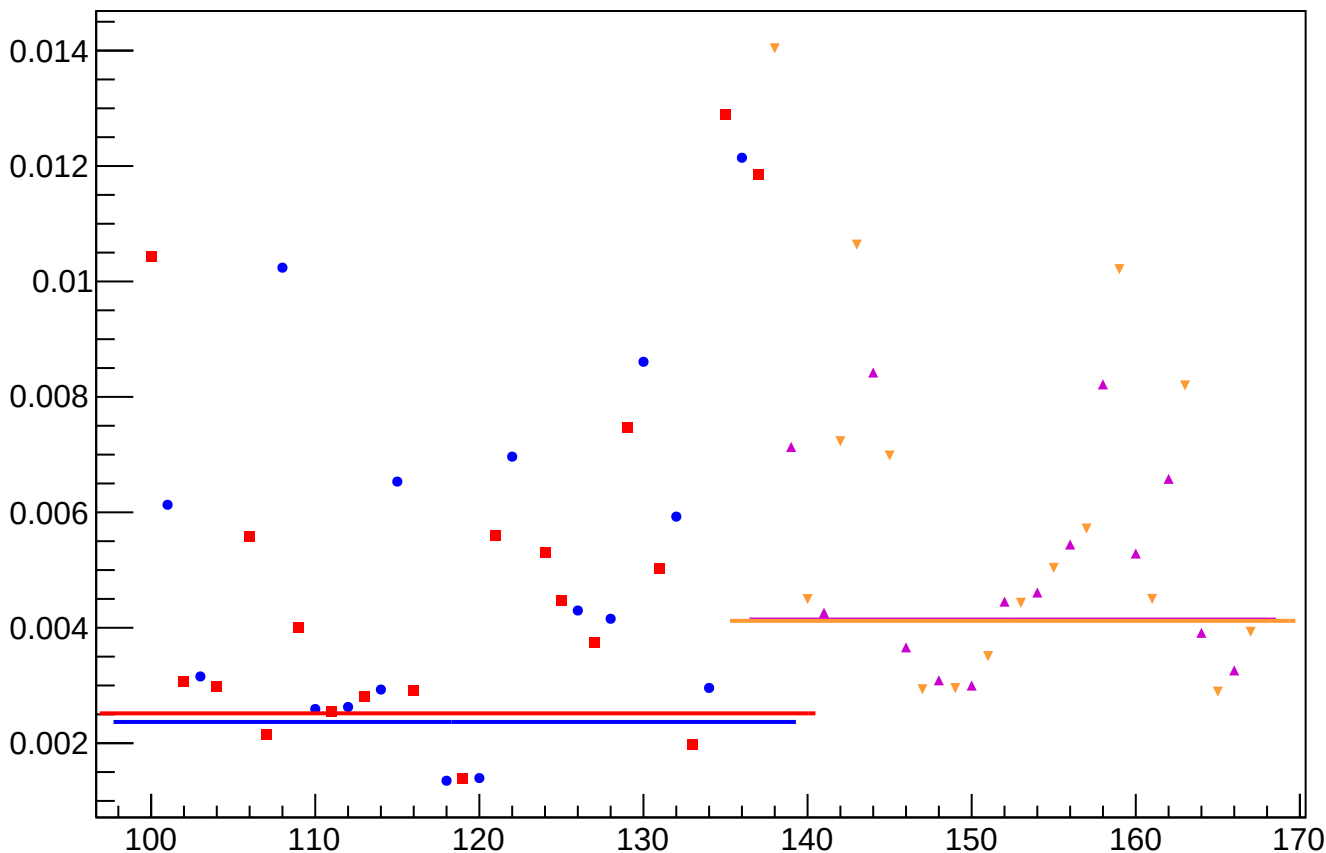
Left In: 0.000 ± 0.000 χ^2/NDF : 8.2/13

+ sign 0.000 ± 0.000 χ^2/NDF : 46.4/31

All: 0.000 ± 0.000 χ^2/NDF : 73.1/64

- sign 0.000 ± 0.000 χ^2/NDF : 26.4/32

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: 0.004+/-0.000 χ^2/NDF : 3804204.0/15

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

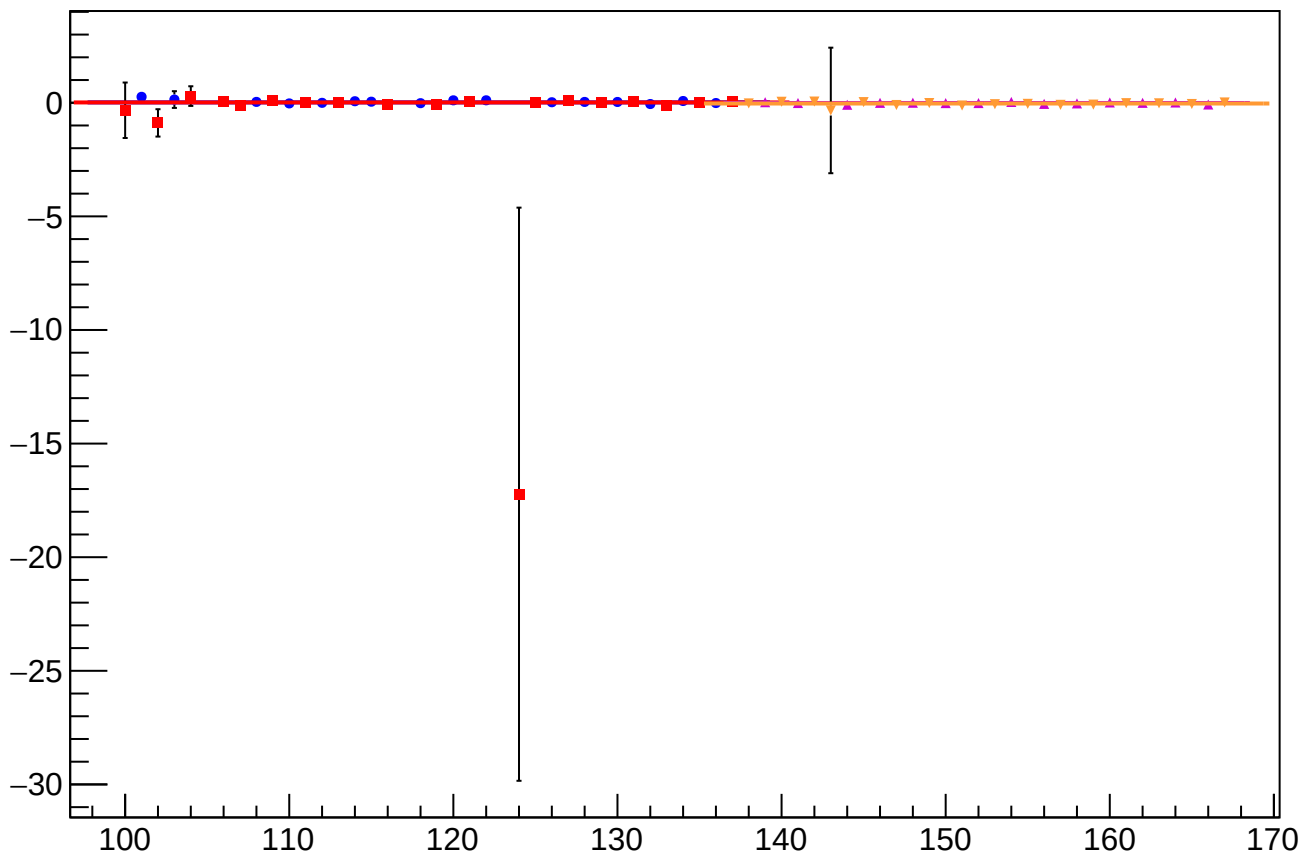
Left In: 0.004+/-0.000 χ^2/NDF : 2003969.6/13

+ sign 0.003+/-0.000 χ^2/NDF : 10677382.4/31

All: 0.003+/-0.000 χ^2/NDF : 17867717.8/64

- sign 0.003+/-0.000 χ^2/NDF : 7189713.3/32

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

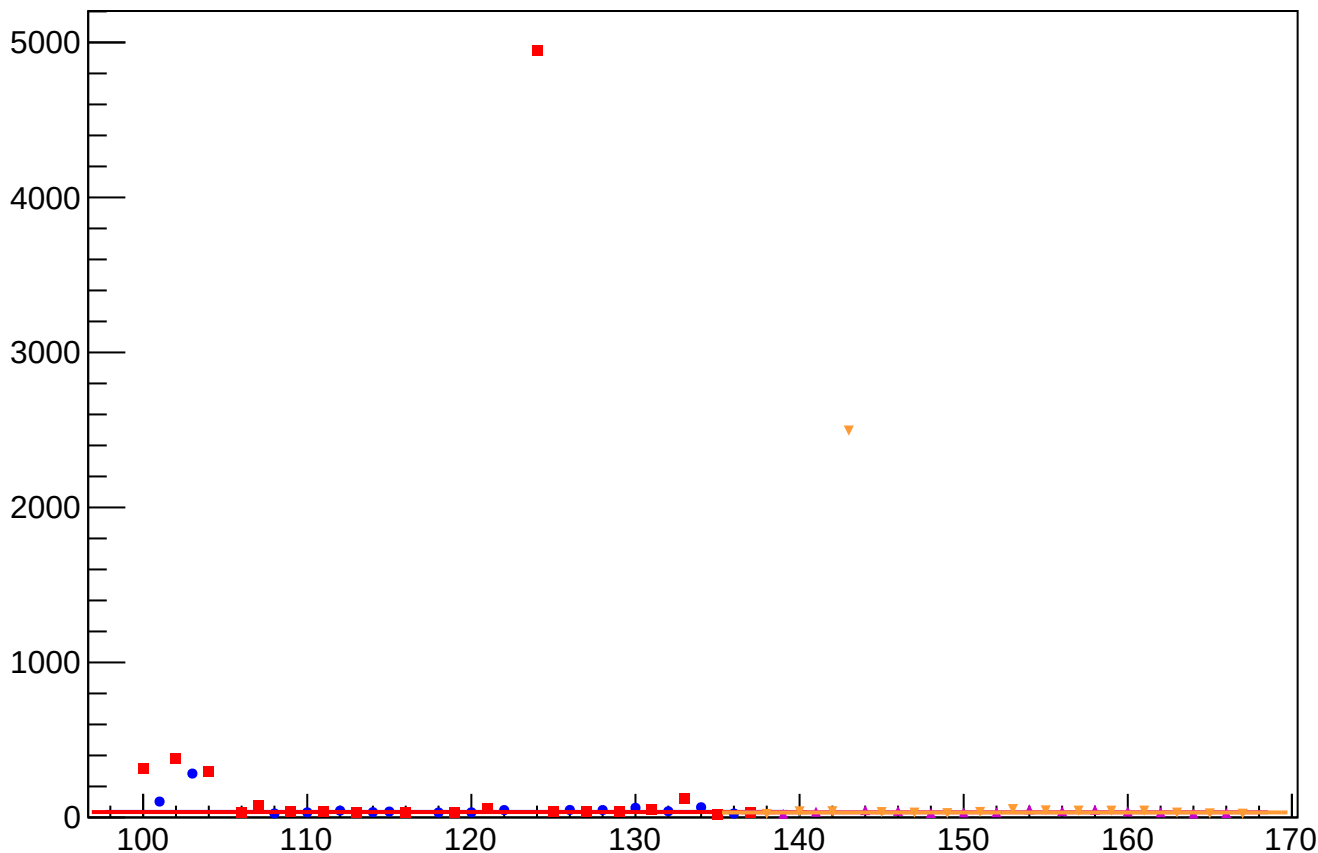
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

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: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891675.5/15

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

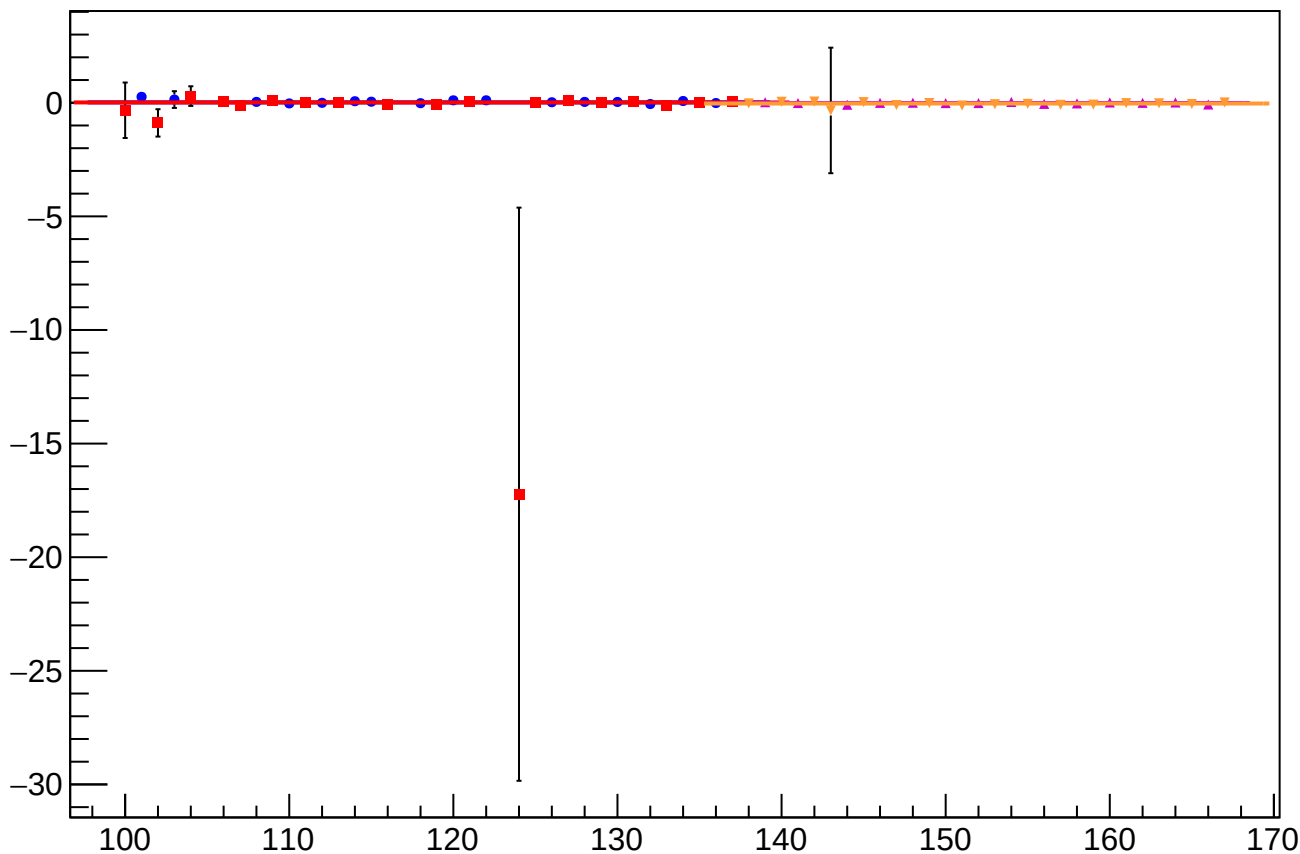
Left In: 33.900 $\pm$ 0.008 χ^2 /NDF: 1090343.4/13

+ sign 33.320 $\pm$ 0.006 χ^2 /NDF: 5227344.2/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9246054.0/64

- sign 34.196 $\pm$ 0.006 χ^2 /NDF: 4008731.5/32

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

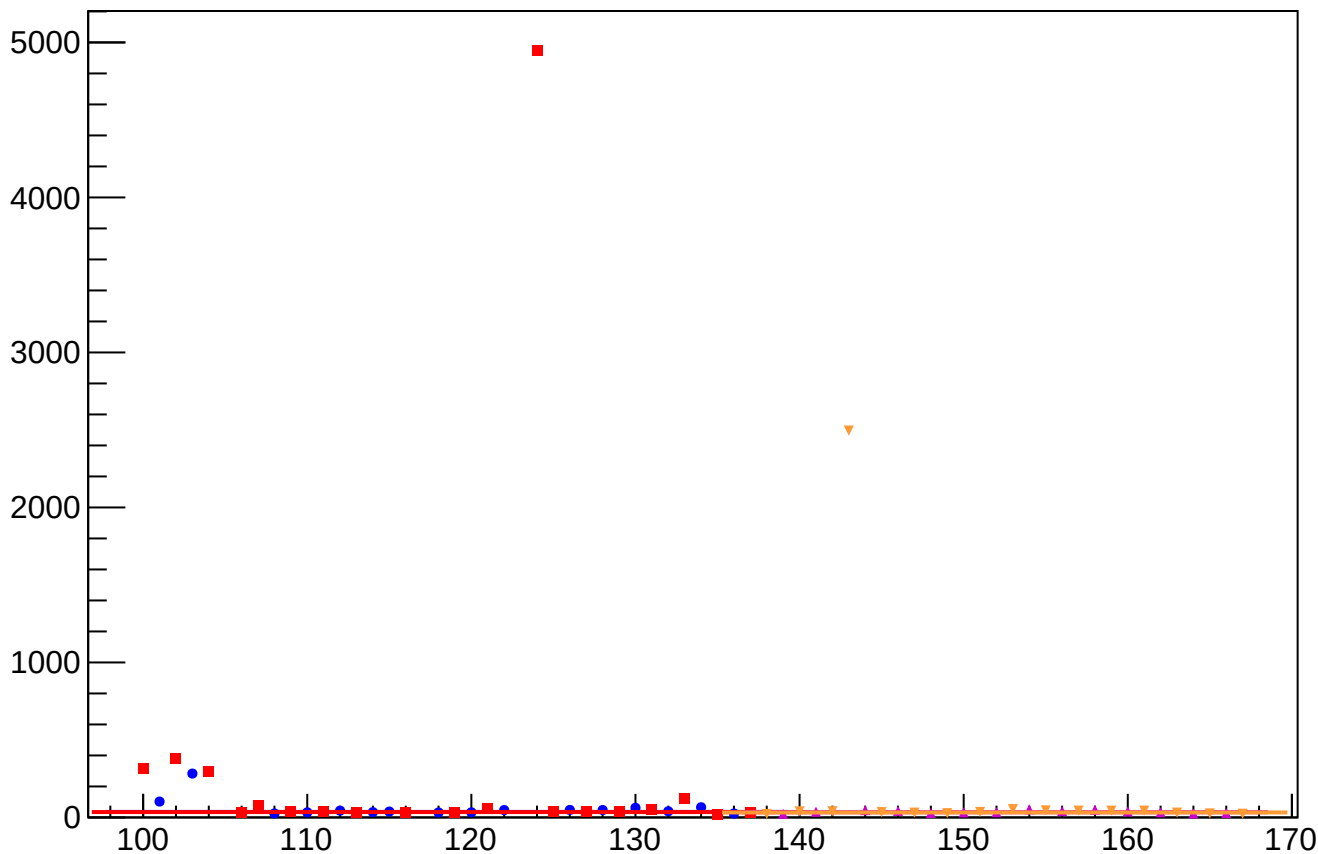
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF : 2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

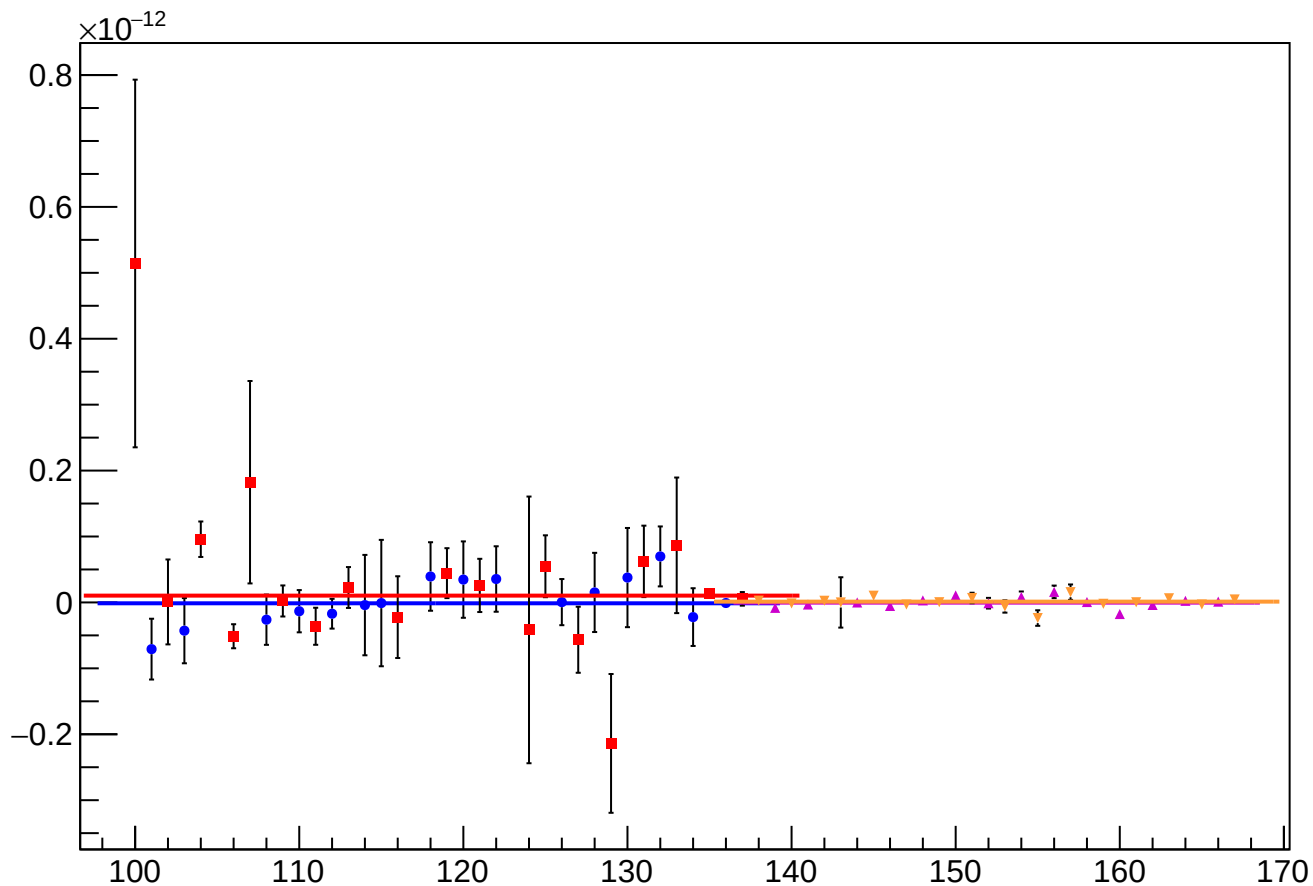
Left In: 33.900+/-0.008 χ^2/NDF : 1090343.4/13

+ sign 33.320+/-0.006 χ^2/NDF : 5227344.2/31

All: 33.738+/-0.004 χ^2/NDF : 9246054.0/64

- sign 34.196+/-0.006 χ^2/NDF : 4008731.5/32

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 : 12.7/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.9/18

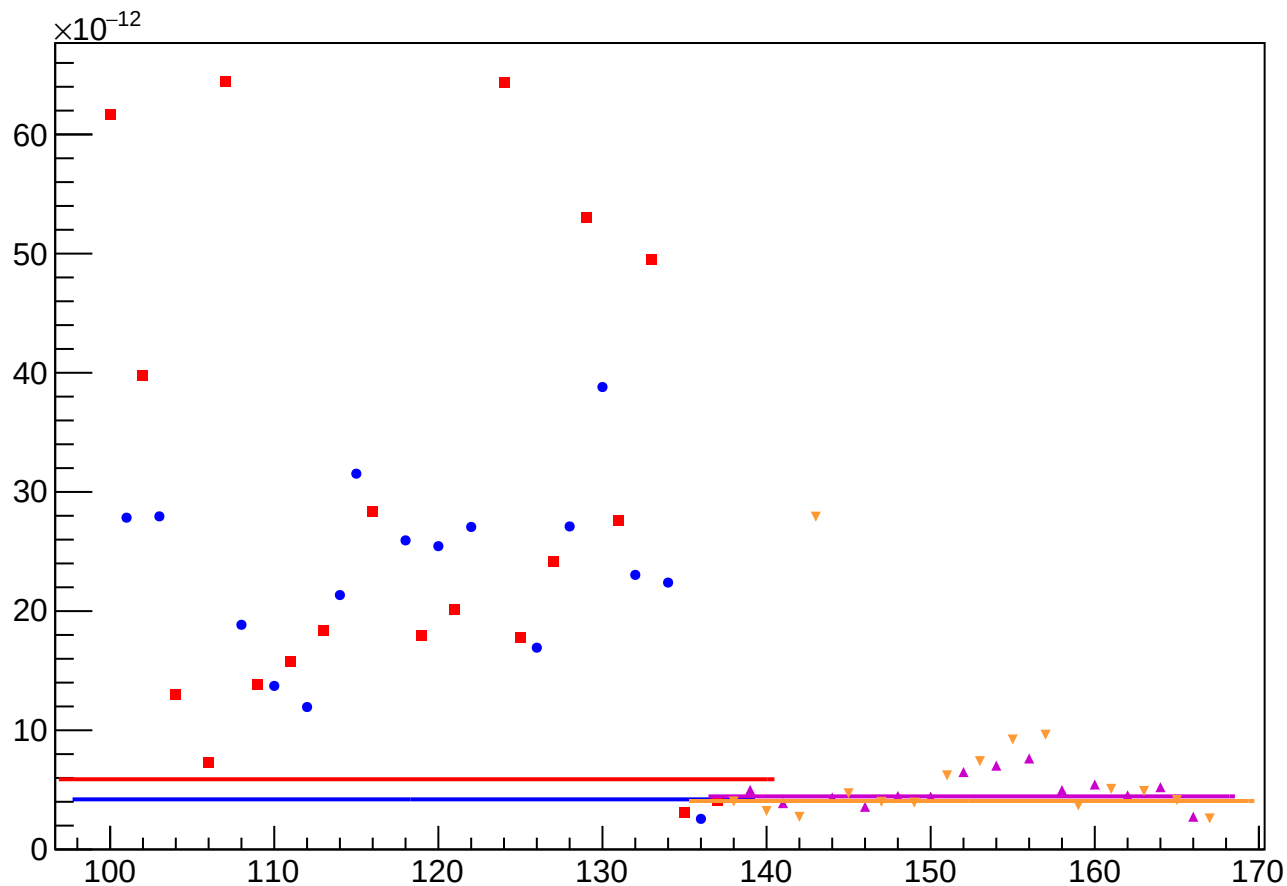
Left In: -0.000 ± 0.000 χ^2/NDF : 17.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 21.8/31

All: 0.000 ± 0.000 χ^2/NDF : 84.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 63.0/32

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 : 2657632.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4860861.1/18

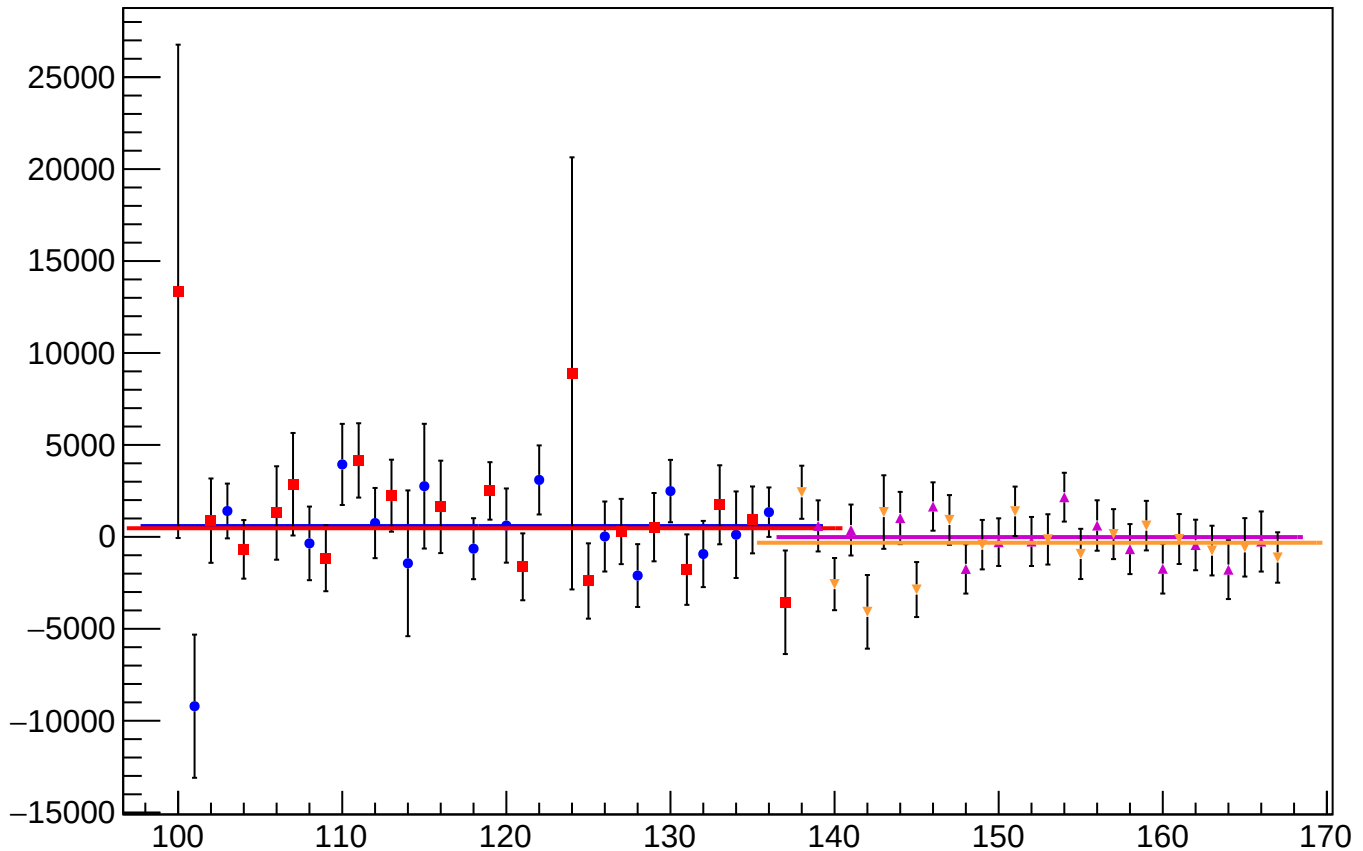
Left In: 0.000+/-0.000 χ^2/NDF : 1057529.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 7740616.1/31

All: 0.000+/-0.000 χ^2/NDF : 14013525.5/64

- sign 0.000+/-0.000 χ^2/NDF : 6124507.8/32

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: -319.454 $\pm$ 358.993 χ^2/NDF : 17.0/15

Right Out: 469.012 $\pm$ 480.516 χ^2/NDF : 16.9/18

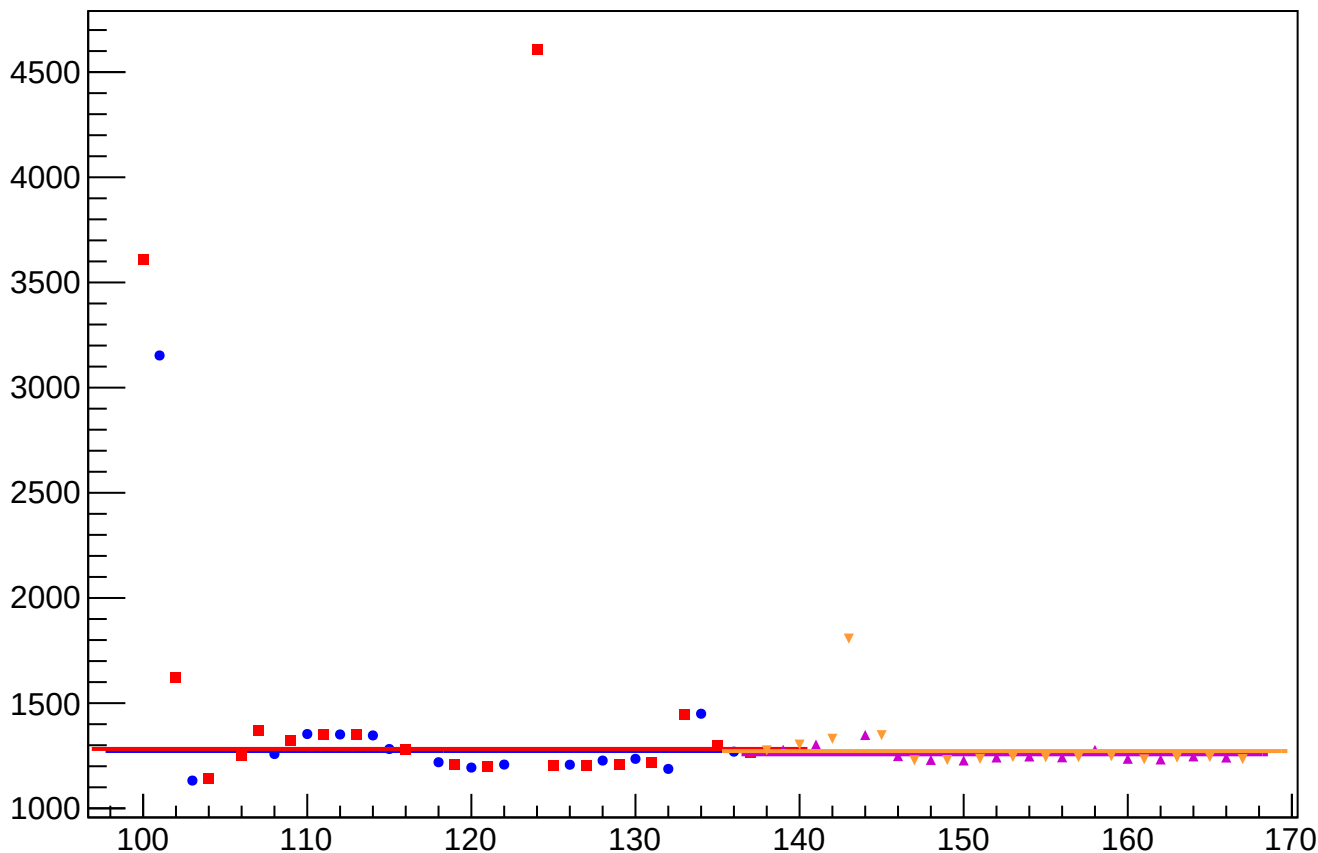
Left In: -12.554 $\pm$ 369.955 χ^2/NDF : 10.2/13

+ sign 3.571 $\pm$ 288.004 χ^2/NDF : 36.4/31

All: 83.678 $\pm$ 205.441 χ^2/NDF : 64.2/64

- sign 166.667 $\pm$ 293.139 χ^2/NDF : 27.7/32

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519298.2/15

Left Out: 1272.115 $\pm$ 0.254 χ^2 /NDF: 164683.8/15

Right Out: 1282.365 $\pm$ 0.340 χ^2 /NDF: 322078.6/18

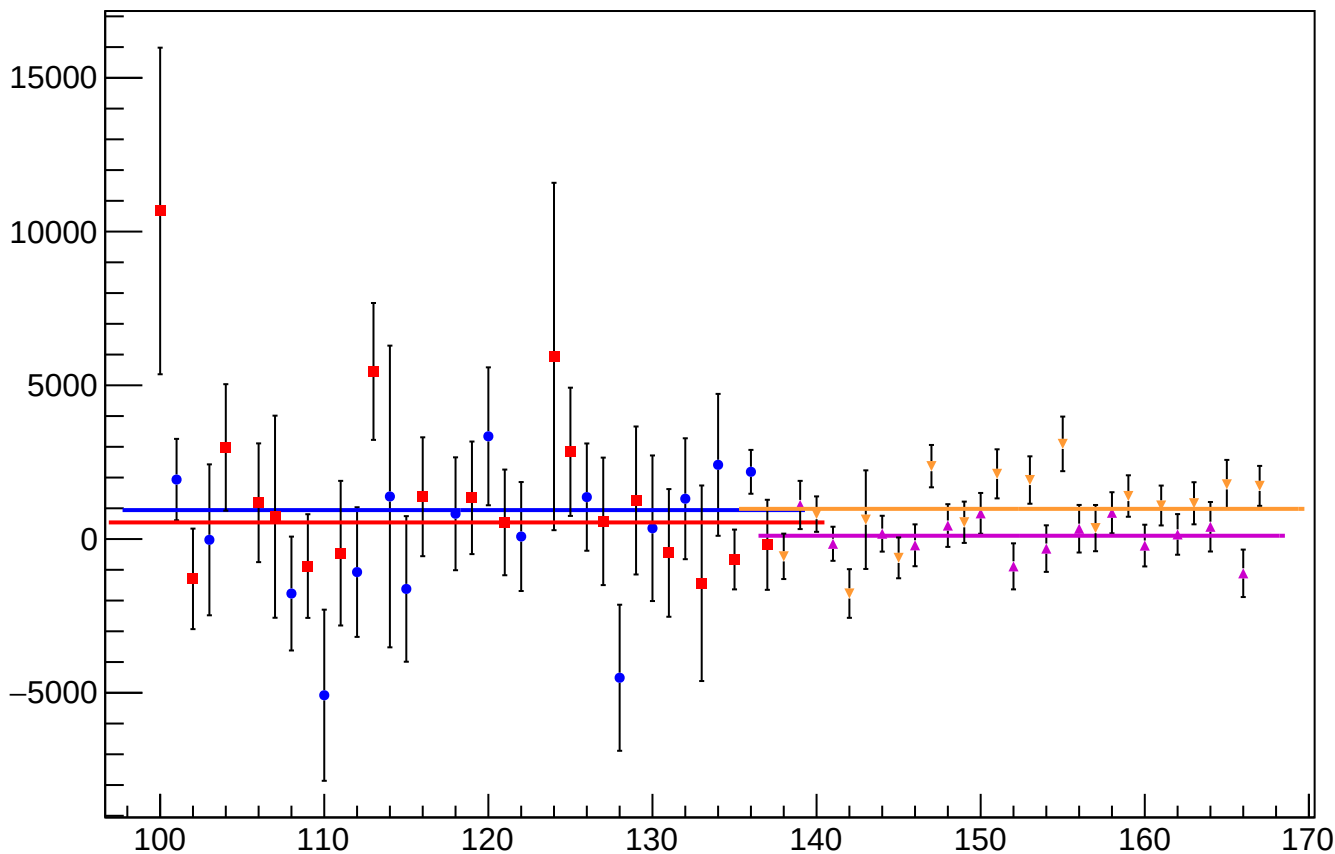
Left In: 1256.764 $\pm$ 0.262 χ^2 /NDF: 15395.5/13

+ sign 1272.361 $\pm$ 0.204 χ^2 /NDF: 683984.6/31

All: 1269.380 $\pm$ 0.145 χ^2 /NDF: 1025459.1/64

- sign 1266.292 $\pm$ 0.207 χ^2 /NDF: 341038.4/32

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759 $\pm$ 425.837 χ^2 /NDF: 19.9/15

Left Out: 981.981 $\pm$ 181.441 χ^2 /NDF:39.5/15

Right Out: 540.622 $\pm$ 439.905 χ^2 /NDF: 17.2/18

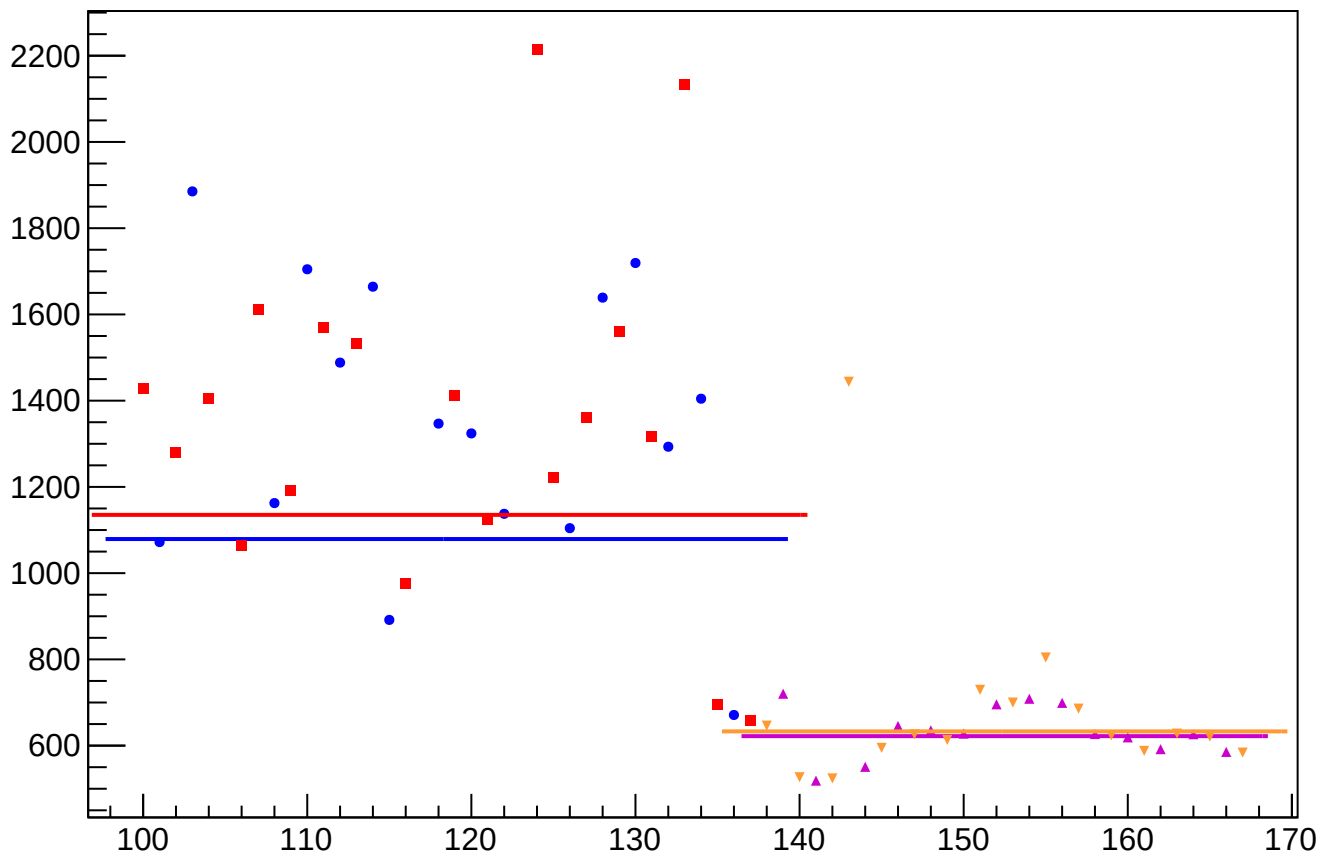
Left In: 107.621 $\pm$ 184.273 χ^2 /NDF:9.8/13

+ sign 975.801 $\pm$ 166.921 χ^2 /NDF: 59.5/31

All: 581.286 $\pm$ 119.092 χ^2 /NDF: 98.6/64

- sign 172.258 $\pm$ 169.963 χ^2 /NDF: 27.8/32

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: 633.035+/-0.128 χ^2 /NDF: 777339.8/15

Right Out: 1135.161+/-0.311 χ^2 /NDF: 1293082.2/18

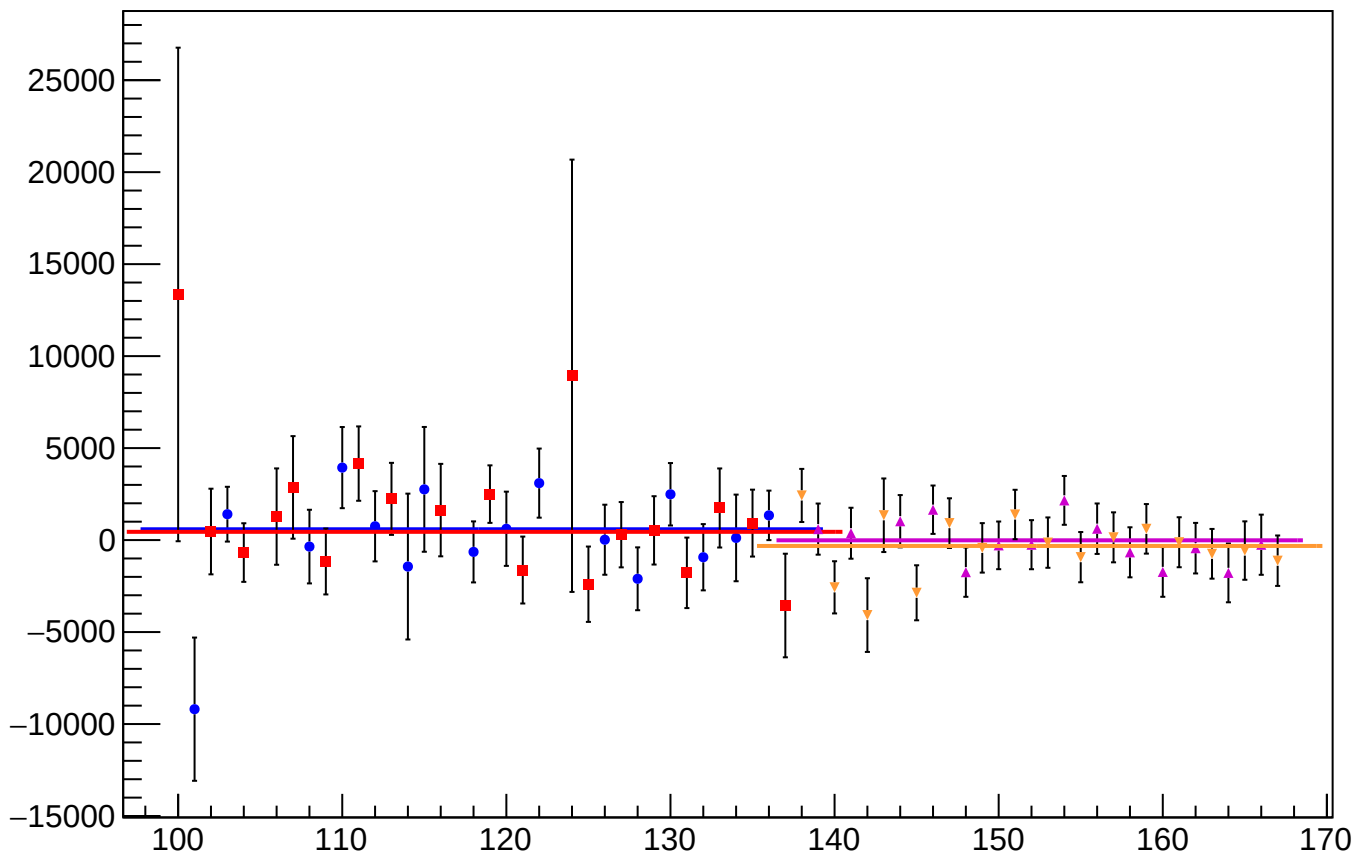
Left In: 621.985+/-0.130 χ^2 /NDF: 208305.0/13

+ sign 701.576+/-0.118 χ^2 /NDF: 4117071.0/31

All: 700.110+/-0.084 χ^2 /NDF: 7934205.2/64

- sign 698.591+/-0.120 χ^2 /NDF: 3816820.2/32

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -319.546 $\pm$ 358.993 χ^2 /NDF:17.0/15

Right Out: 448.412 $\pm$ 481.333 χ^2 /NDF: 16.8/18

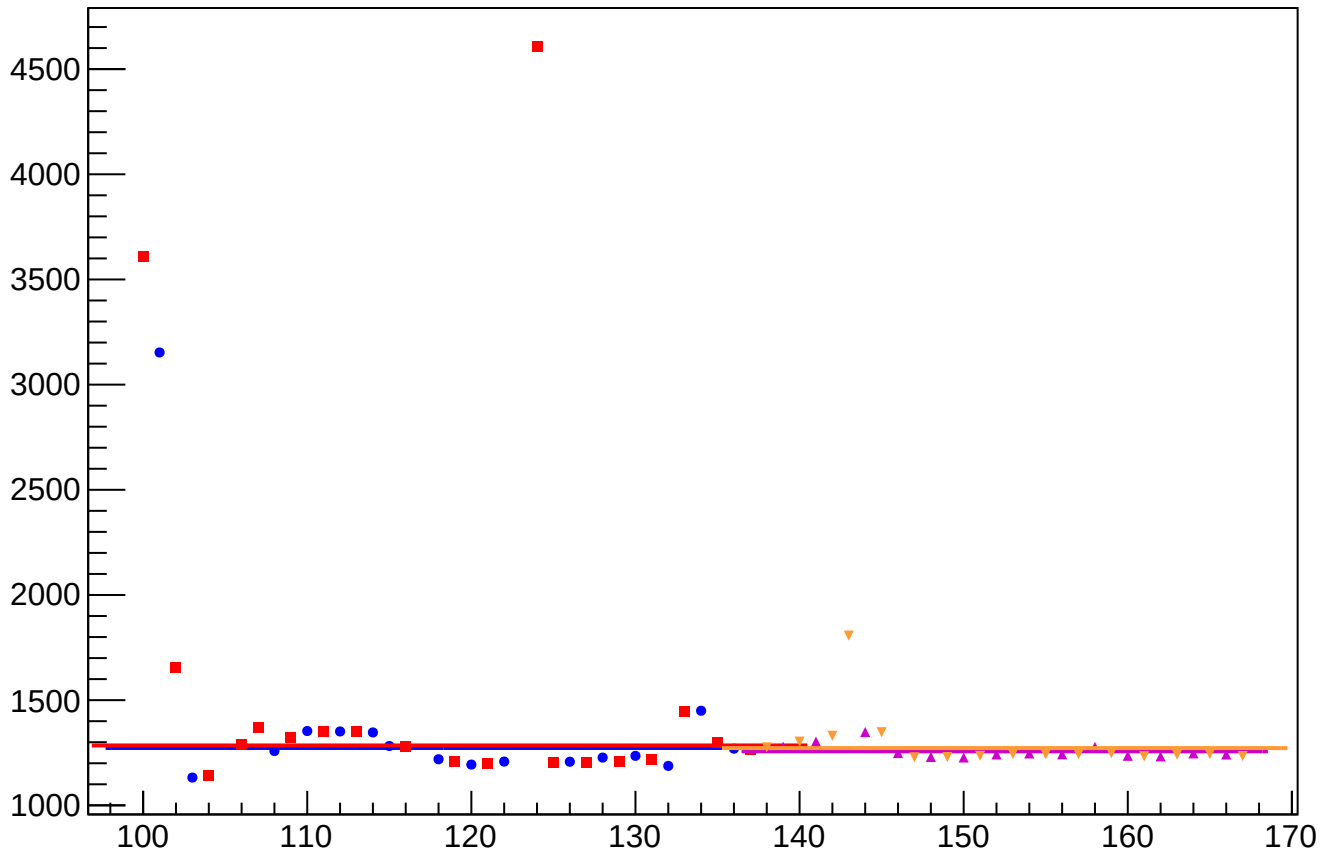
Left In: -12.535 $\pm$ 369.955 χ^2 /NDF:10.2/13

+ sign 3.626 $\pm$ 288.004 χ^2 /NDF: 36.3/31

All: 79.717 $\pm$ 205.505 χ^2 /NDF: 64.1/64

- sign 158.646 $\pm$ 293.324 χ^2 /NDF: 27.6/32

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1272.115 $\pm$ 0.254 χ^2 /NDF: 164683.8/15

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

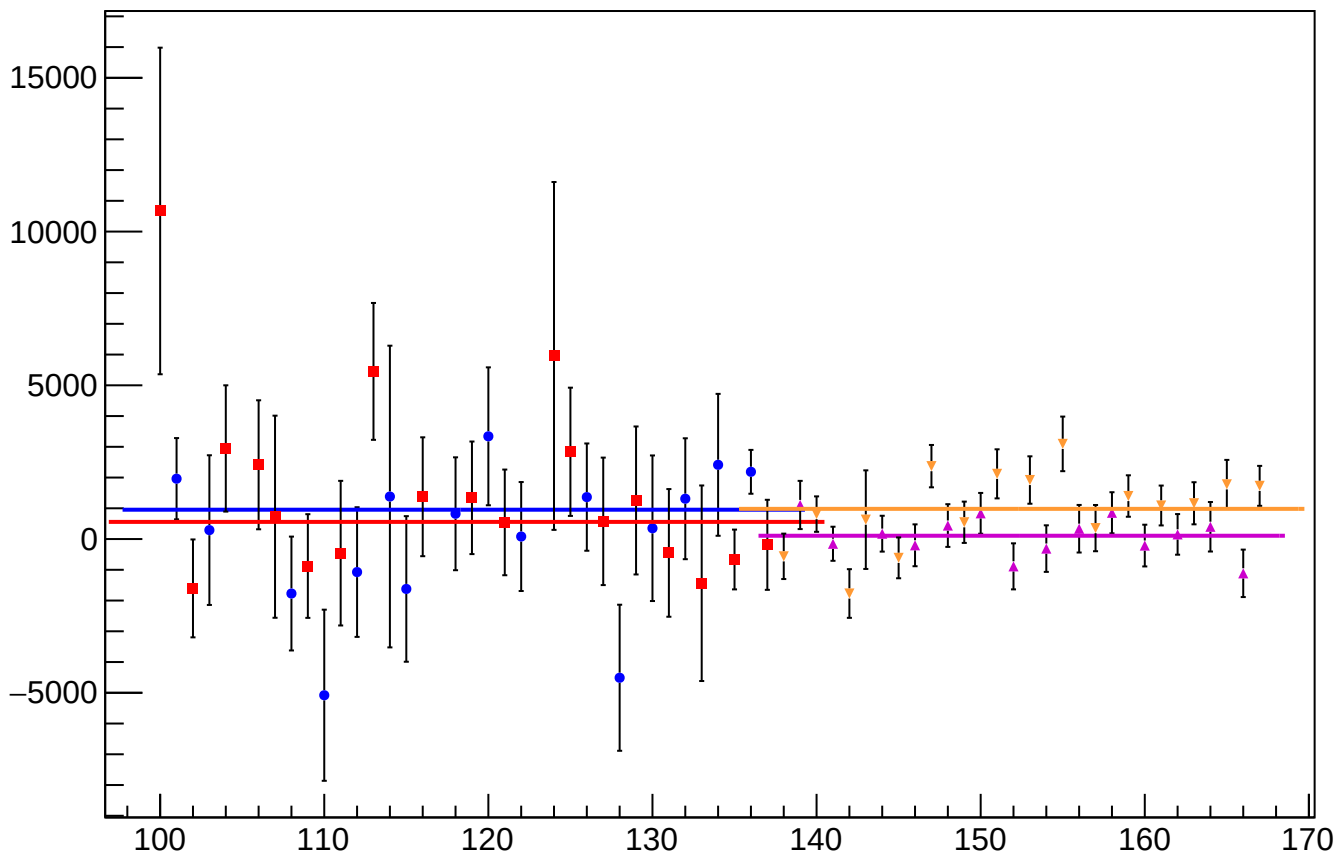
Left In: 1256.764 $\pm$ 0.262 χ^2 /NDF: 15395.5/13

+ sign 1272.361 $\pm$ 0.204 χ^2 /NDF: 683986.0/31

All: 1269.789 $\pm$ 0.145 χ^2 /NDF: 1032662.4/64

- sign 1267.122 $\pm$ 0.207 χ^2 /NDF: 348351.6/32

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: 981.974 $\pm$ 181.442 χ^2/NDF : 39.5/15

Right Out: 557.935 $\pm$ 440.758 χ^2/NDF : 18.4/18

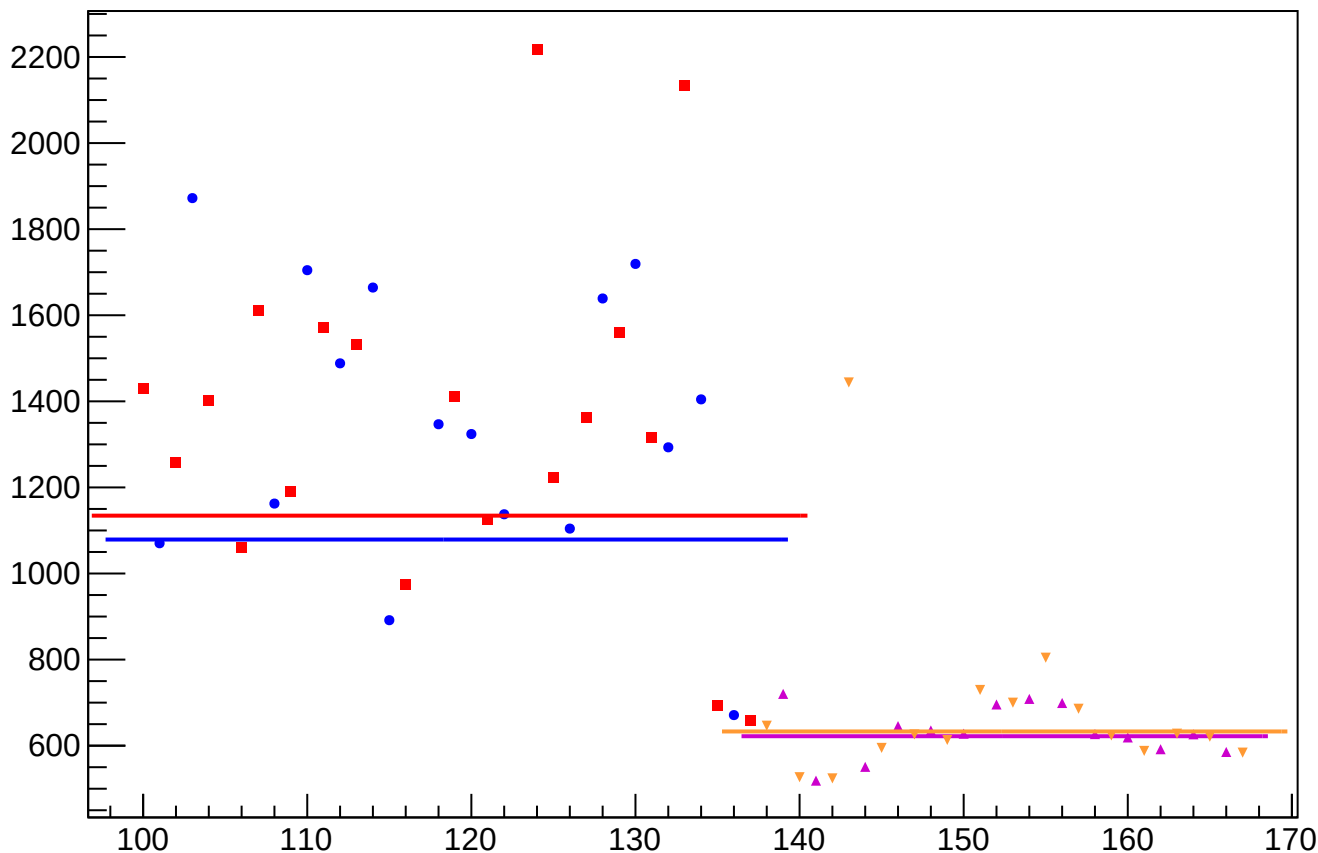
Left In: 107.587 $\pm$ 184.272 χ^2/NDF : 9.8/13

+ sign 977.695 $\pm$ 166.911 χ^2/NDF : 59.4/31

All: 583.533 $\pm$ 119.105 χ^2/NDF : 99.8/64

- sign 174.592 $\pm$ 170.012 χ^2/NDF : 29.1/32

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: 633.041 $\pm$ 0.128 χ^2 /NDF: 777246.0/15

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

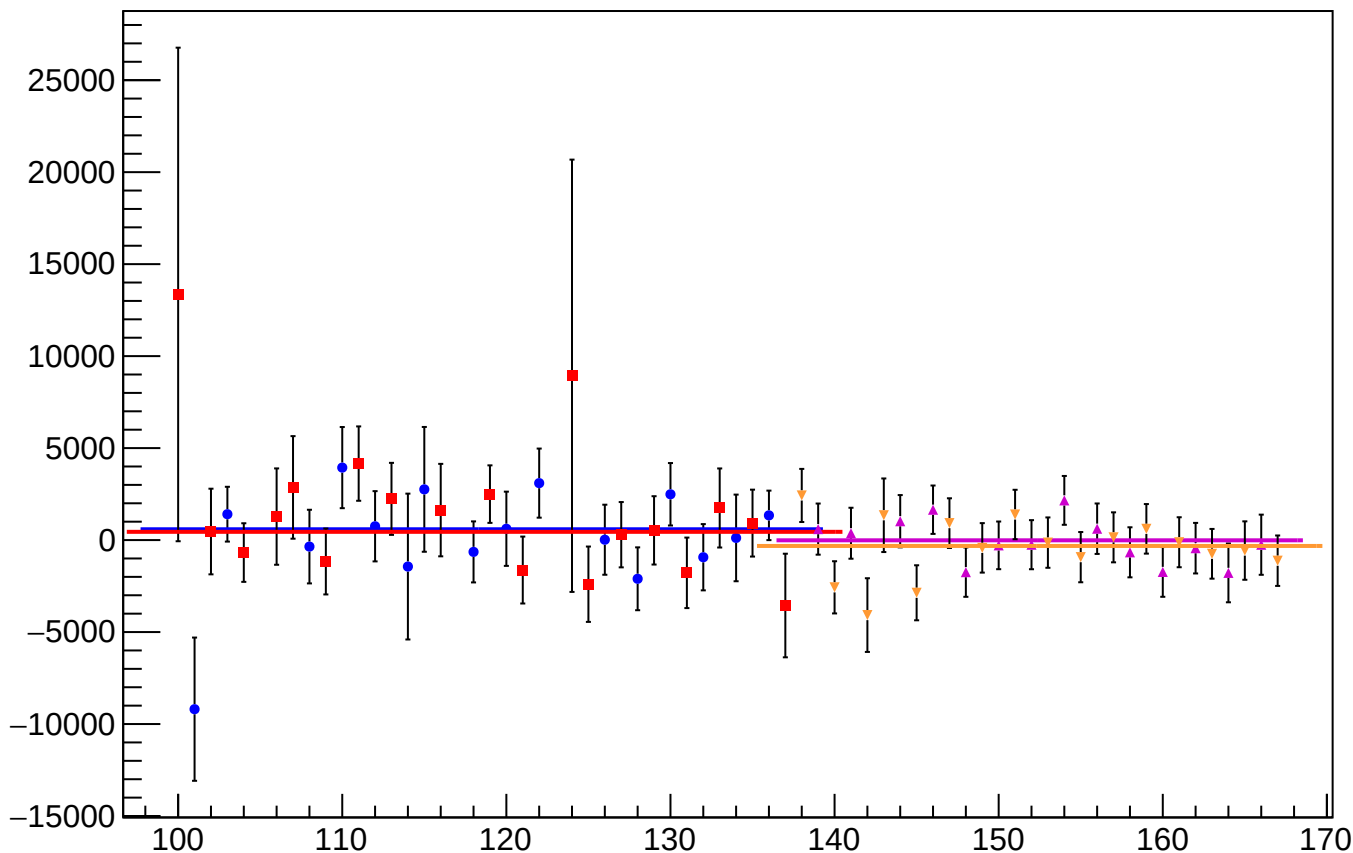
Left In: 621.982 $\pm$ 0.130 χ^2 /NDF: 208331.8/13

+ sign 701.601 $\pm$ 0.118 χ^2 /NDF: 4113148.6/31

All: 699.944 $\pm$ 0.084 χ^2 /NDF: 7912040.4/64

- sign 698.226 $\pm$ 0.120 χ^2 /NDF: 3798490.4/32

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254 $\pm$ 482.434 χ^2/NDF : 17.1/15

Left Out: -319.546 $\pm$ 358.993 χ^2/NDF : 17.0/15

Right Out: 448.412 $\pm$ 481.333 χ^2/NDF : 16.8/18

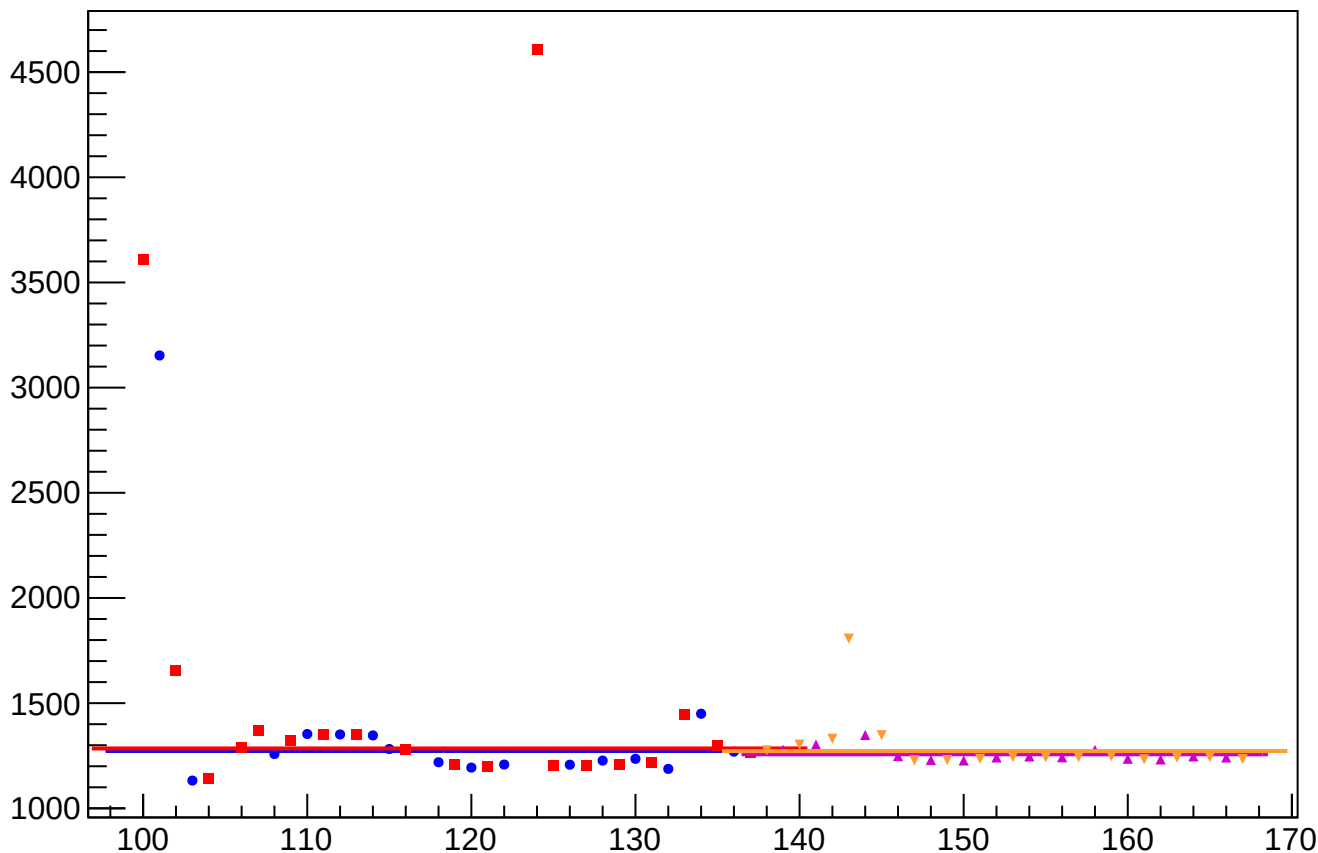
Left In: -12.535 $\pm$ 369.955 χ^2/NDF : 10.2/13

+ sign 3.626 $\pm$ 288.004 χ^2/NDF : 36.3/31

All: 79.717 $\pm$ 205.505 χ^2/NDF : 64.1/64

- sign 158.646 $\pm$ 293.324 χ^2/NDF : 27.6/32

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1272.115 $\pm$ 0.254 χ^2 /NDF: 164683.8/15

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

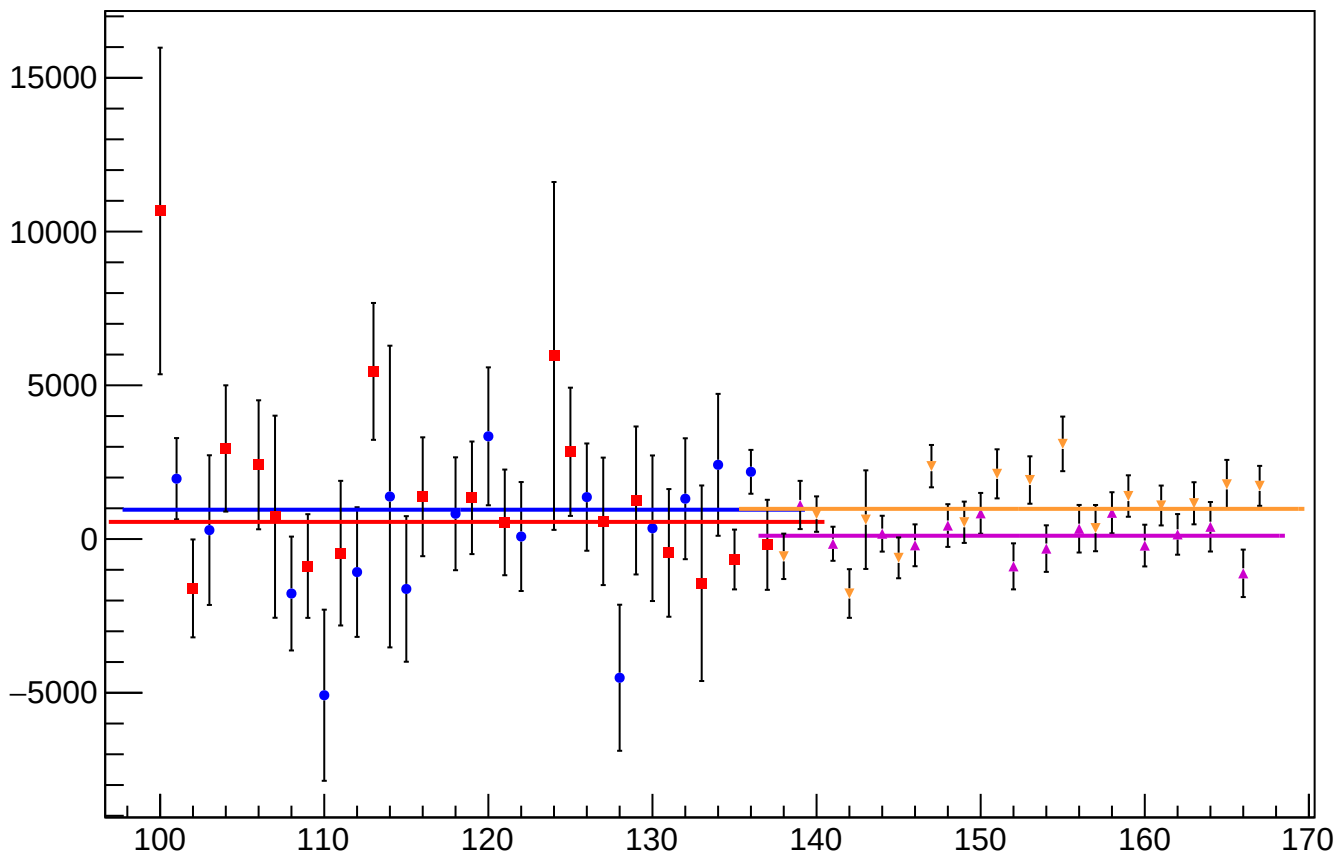
Left In: 1256.764 $\pm$ 0.262 χ^2 /NDF: 15395.5/13

+ sign 1272.361 $\pm$ 0.204 χ^2 /NDF: 683986.0/31

All: 1269.789 $\pm$ 0.145 χ^2 /NDF: 1032662.4/64

- sign 1267.122 $\pm$ 0.207 χ^2 /NDF: 348351.6/32

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: 981.974 $\pm$ 181.442 χ^2 /NDF:39.5/15

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

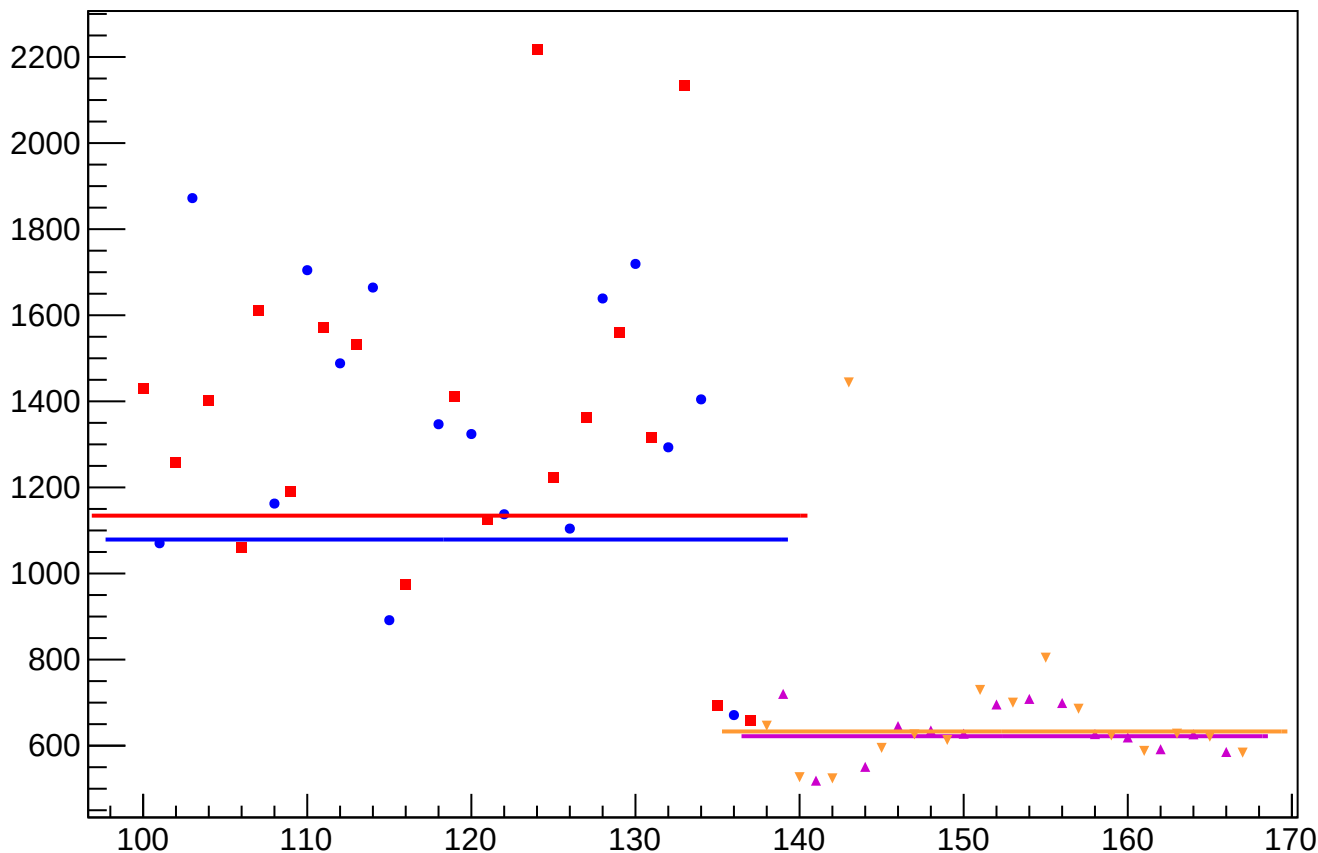
Left In: 107.587 $\pm$ 184.272 χ^2 /NDF:9.8/13

+ sign 977.695 $\pm$ 166.911 χ^2 /NDF: 59.4/31

All: 583.533 $\pm$ 119.105 χ^2 /NDF: 99.8/64

- sign 174.592 $\pm$ 170.012 χ^2 /NDF: 29.1/32

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: 633.041 $\pm$ 0.128 χ^2 /NDF: 777246.0/15

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

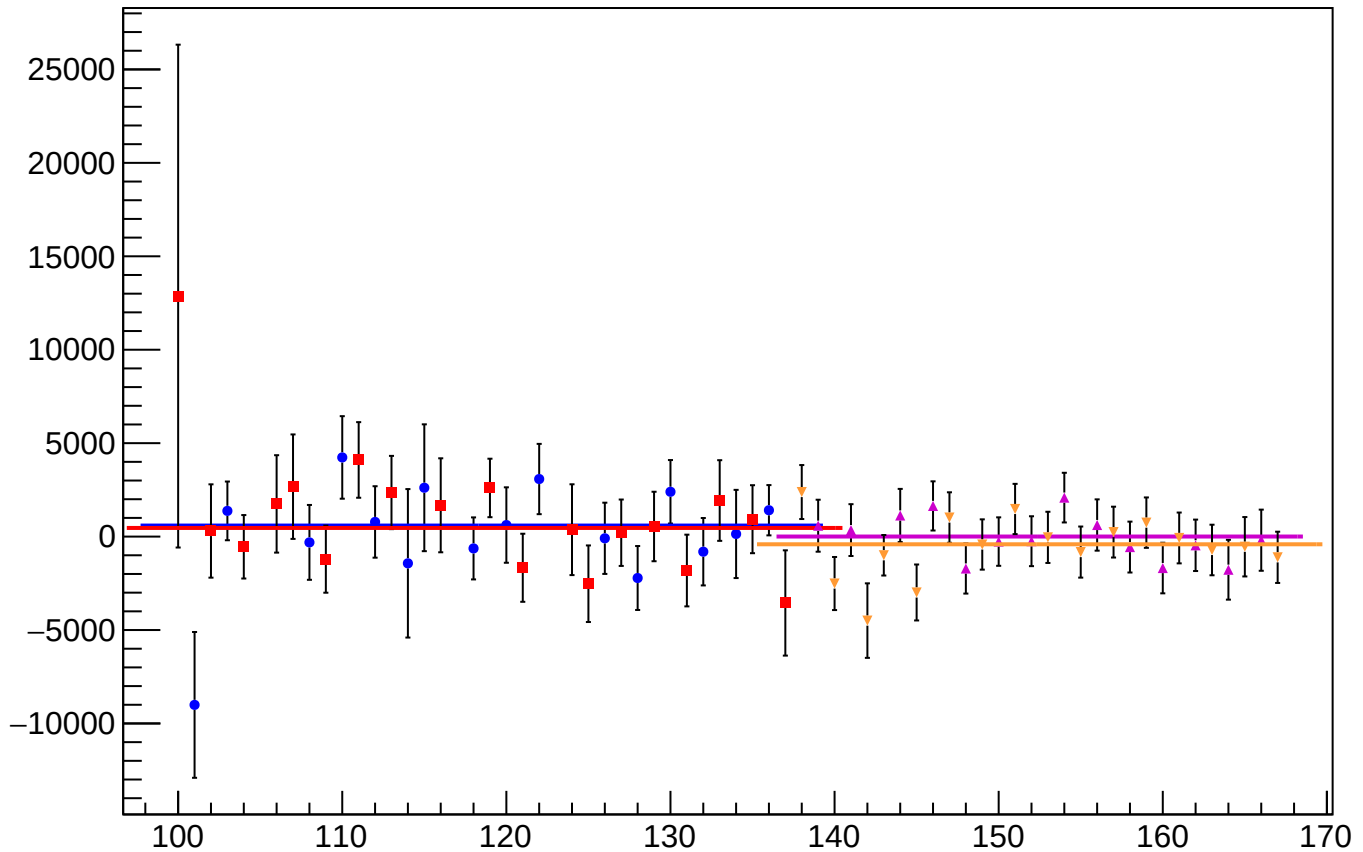
Left In: 621.982 $\pm$ 0.130 χ^2 /NDF: 208331.8/13

+ sign 701.601 $\pm$ 0.118 χ^2 /NDF: 4113148.6/31

All: 699.944 $\pm$ 0.084 χ^2 /NDF: 7912040.4/64

- sign 698.226 $\pm$ 0.120 χ^2 /NDF: 3798490.4/32

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322 ± 485.483 χ^2/NDF : 17.1/15

Left Out: -411.517 ± 346.050 χ^2/NDF : 18.0/15

Right Out: 462.606 ± 476.795 χ^2/NDF : 16.7/18

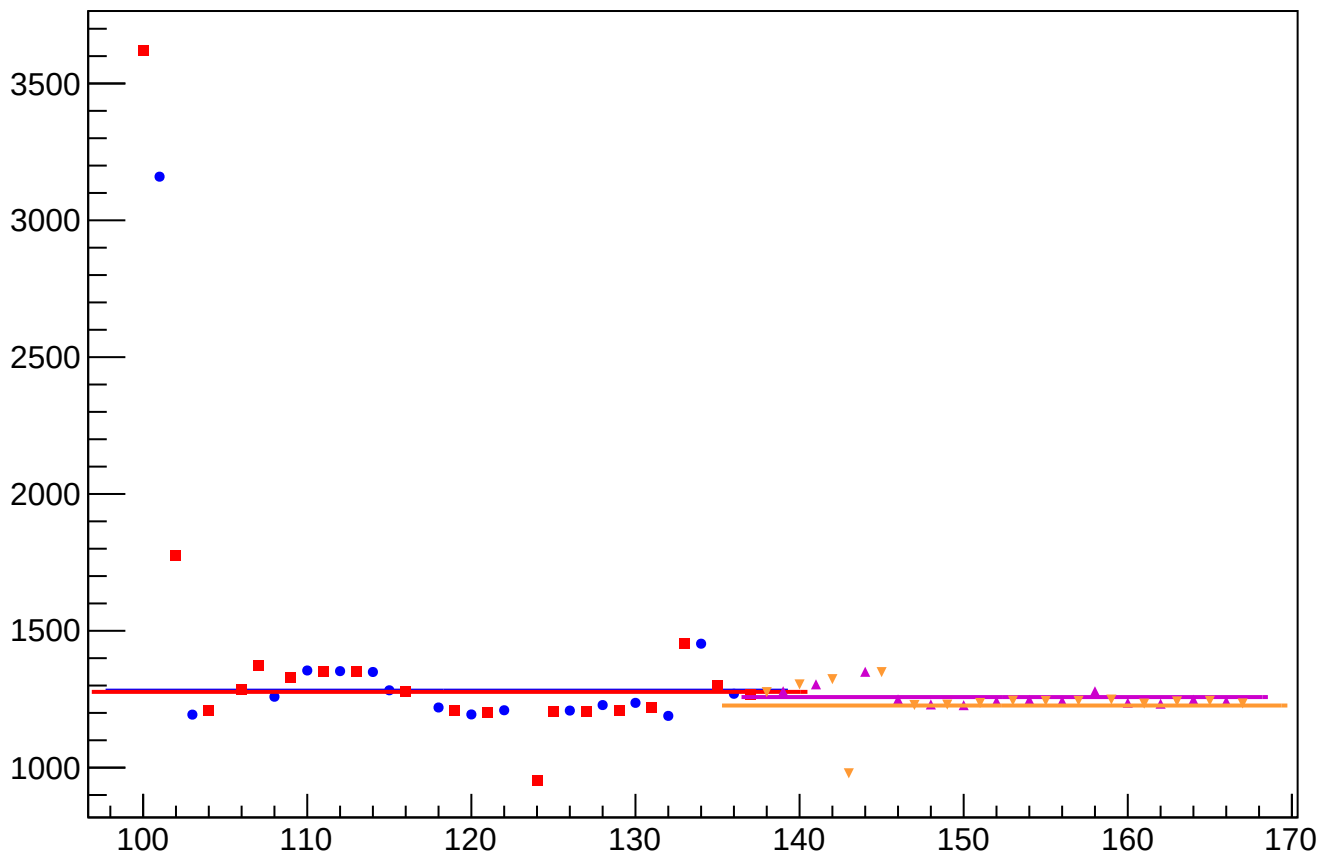
Left In: 3.389 ± 370.281 χ^2/NDF : 9.9/13

+ sign -73.993 ± 281.791 χ^2/NDF : 37.9/31

All: 46.439 ± 202.920 χ^2/NDF : 65.4/64

- sign 176.153 ± 292.448 χ^2/NDF : 27.1/32

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF : 132788.9/15

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

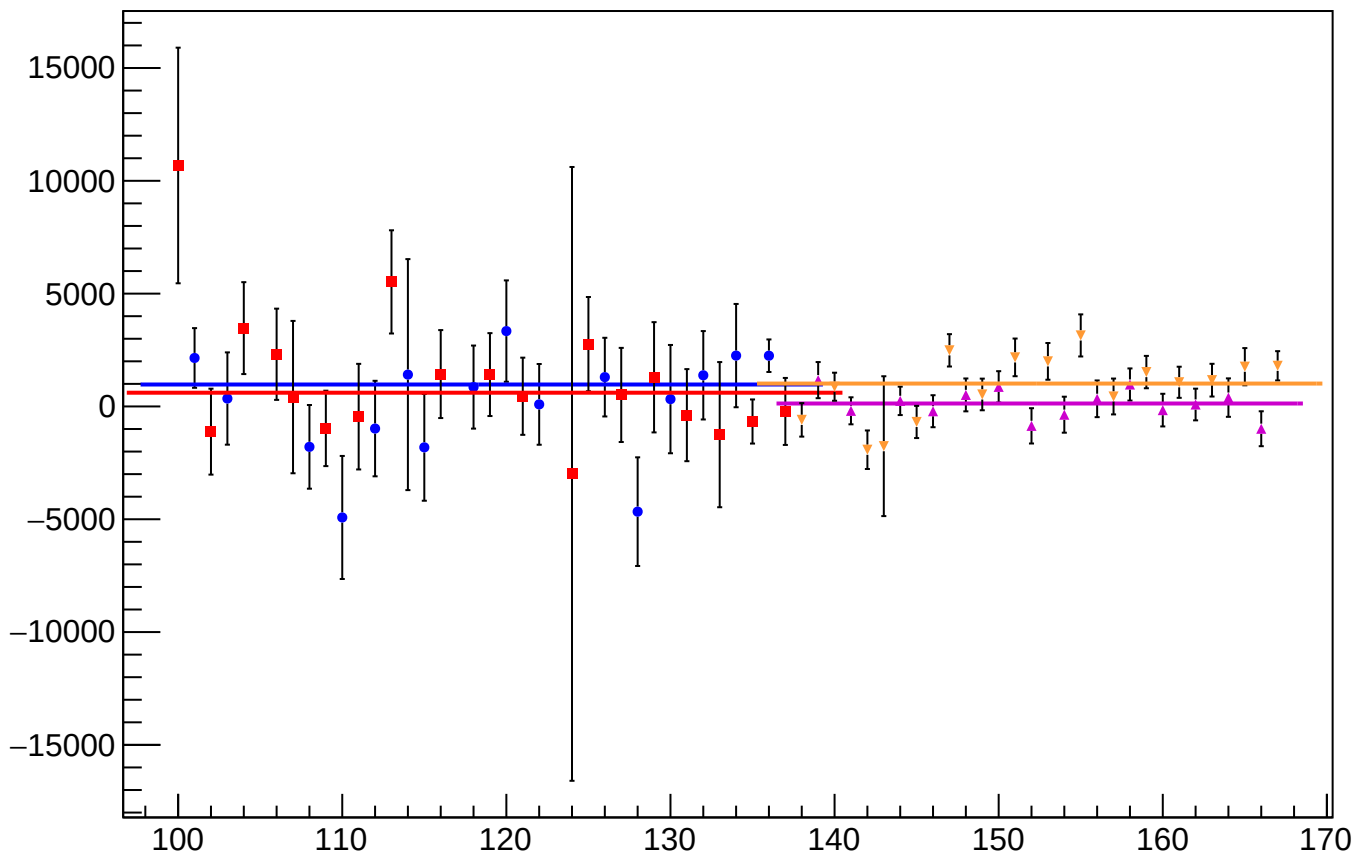
Left In: 1257.869+/-0.262 χ^2/NDF : 15483.0/13

+ sign 1245.309+/-0.199 χ^2/NDF : 656506.9/31

All: 1254.796+/-0.143 χ^2/NDF : 899190.9/64

- sign 1265.014+/-0.207 χ^2/NDF : 237975.9/32

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: 1013.965 $\pm$ 191.416 χ^2/NDF :39.7/15

Right Out: 608.431 $\pm$ 447.734 χ^2/NDF : 17.1/18

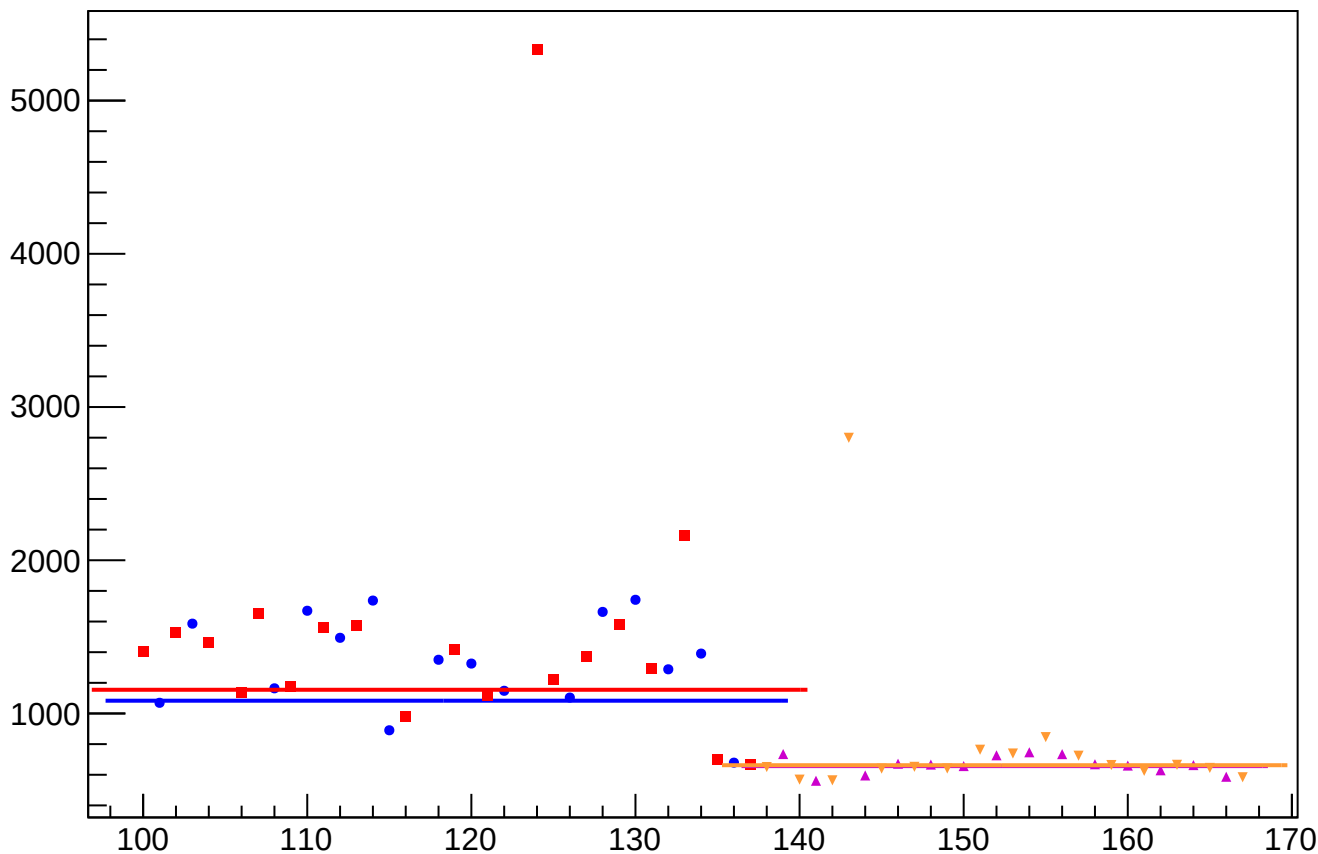
Left In: 130.263 $\pm$ 194.288 χ^2/NDF :9.4/13

+ sign 1006.942 $\pm$ 174.546 χ^2/NDF : 60.2/31

All: 614.852 $\pm$ 124.705 χ^2/NDF : 98.0/64

- sign 206.034 $\pm$ 178.231 χ^2/NDF : 27.5/32

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335 $\pm$ 0.301 χ^2 /NDF: 1360153.3/15

Left Out: 662.334 $\pm$ 0.135 χ^2 /NDF: 1200765.2/15

Right Out: 1154.724 $\pm$ 0.317 χ^2 /NDF: 1488304.5/18

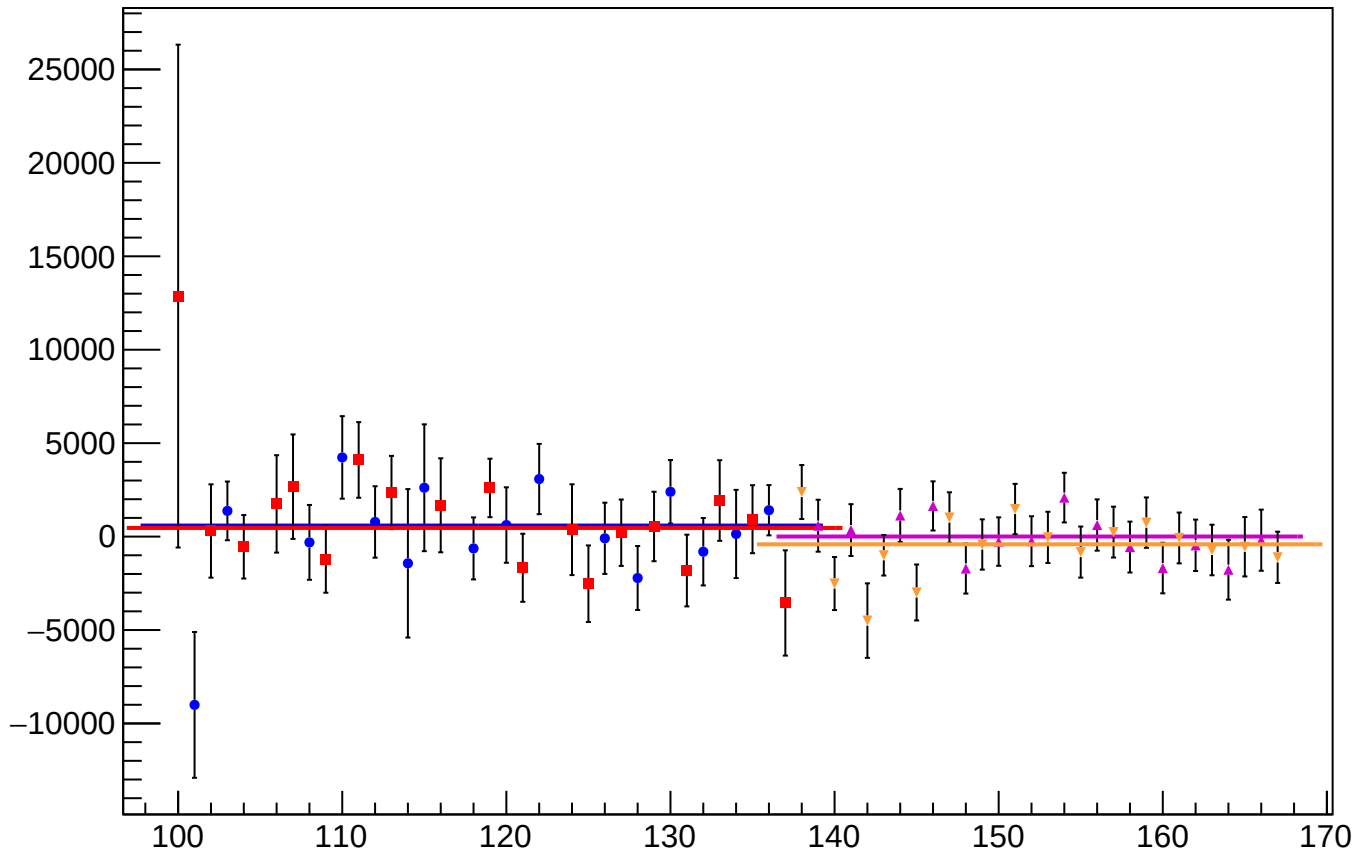
Left In: 656.488 $\pm$ 0.137 χ^2 /NDF: 170594.9/13

+ sign 733.272 $\pm$ 0.123 χ^2 /NDF: 4191090.0/31

All: 734.333 $\pm$ 0.088 χ^2 /NDF: 7934320.2/64

- sign 735.439 $\pm$ 0.126 χ^2 /NDF: 3743079.3/32

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: -411.519+/-346.051 χ^2/NDF : 18.0/15

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

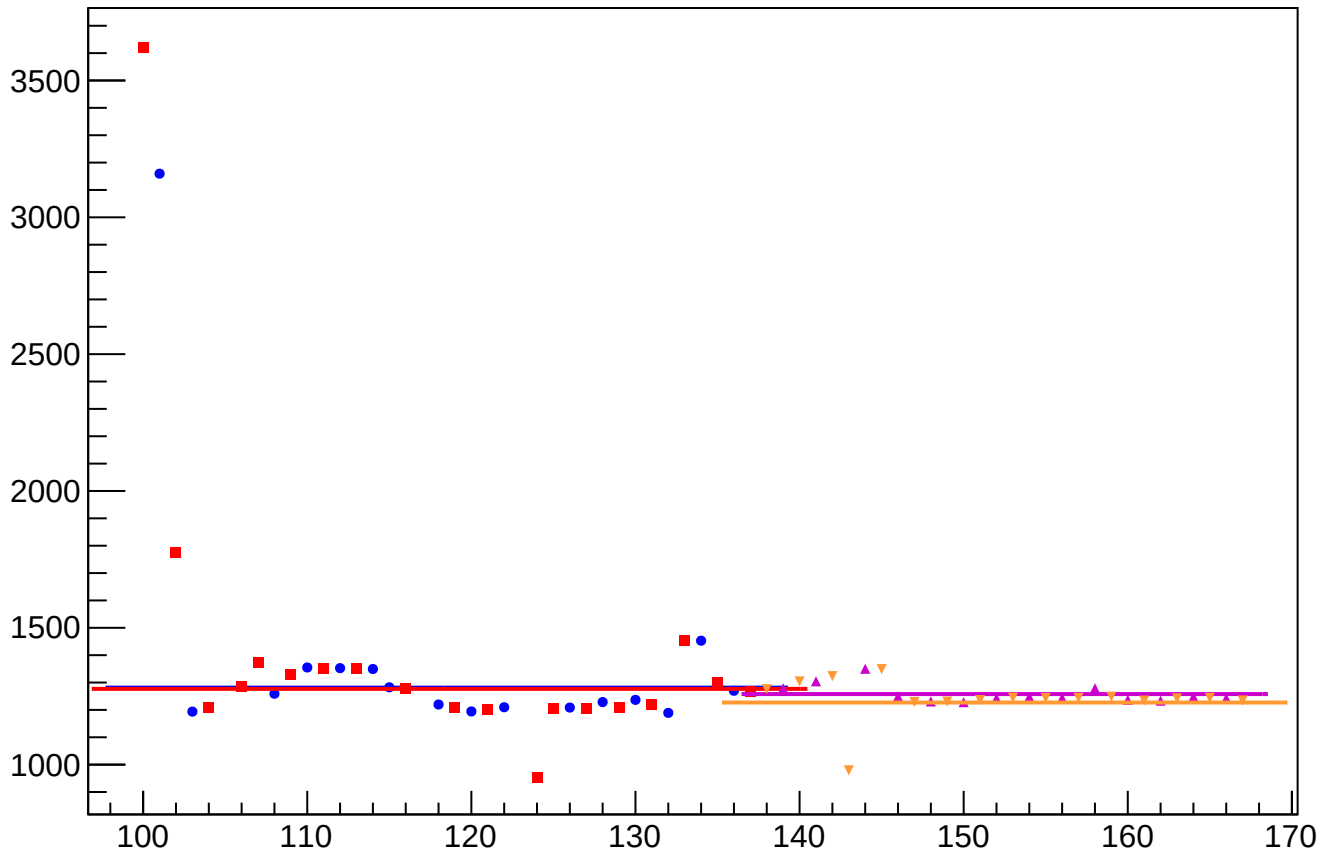
Left In: 3.388+/-370.281 χ^2/NDF : 9.9/13

+ sign -73.993+/-281.791 χ^2/NDF : 37.9/31

All: 46.438+/-202.920 χ^2/NDF : 65.4/64

- sign 176.152+/-292.448 χ^2/NDF : 27.1/32

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: 1226.989+/-0.245 χ^2/NDF : 132788.2/15

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.5/18

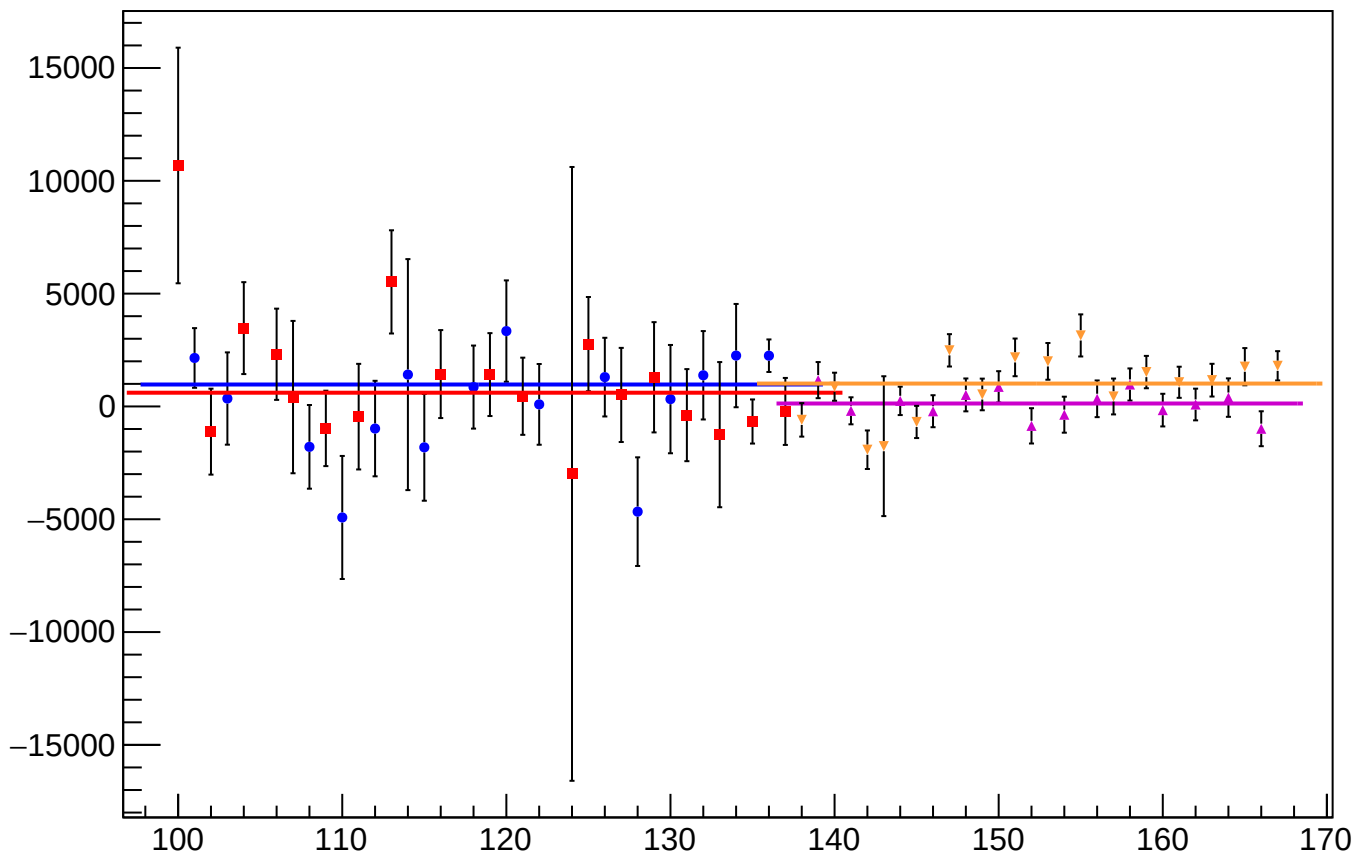
Left In: 1257.869+/-0.262 χ^2/NDF : 15483.0/13

+ sign 1245.310+/-0.199 χ^2/NDF : 656506.2/31

All: 1254.796+/-0.143 χ^2/NDF : 899190.0/64

- sign 1265.014+/-0.207 χ^2/NDF : 237975.8/32

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: 1013.967 $\pm$ 191.416 χ^2 /NDF:39.7/15

Right Out: 608.441 $\pm$ 447.736 χ^2 /NDF: 17.1/18

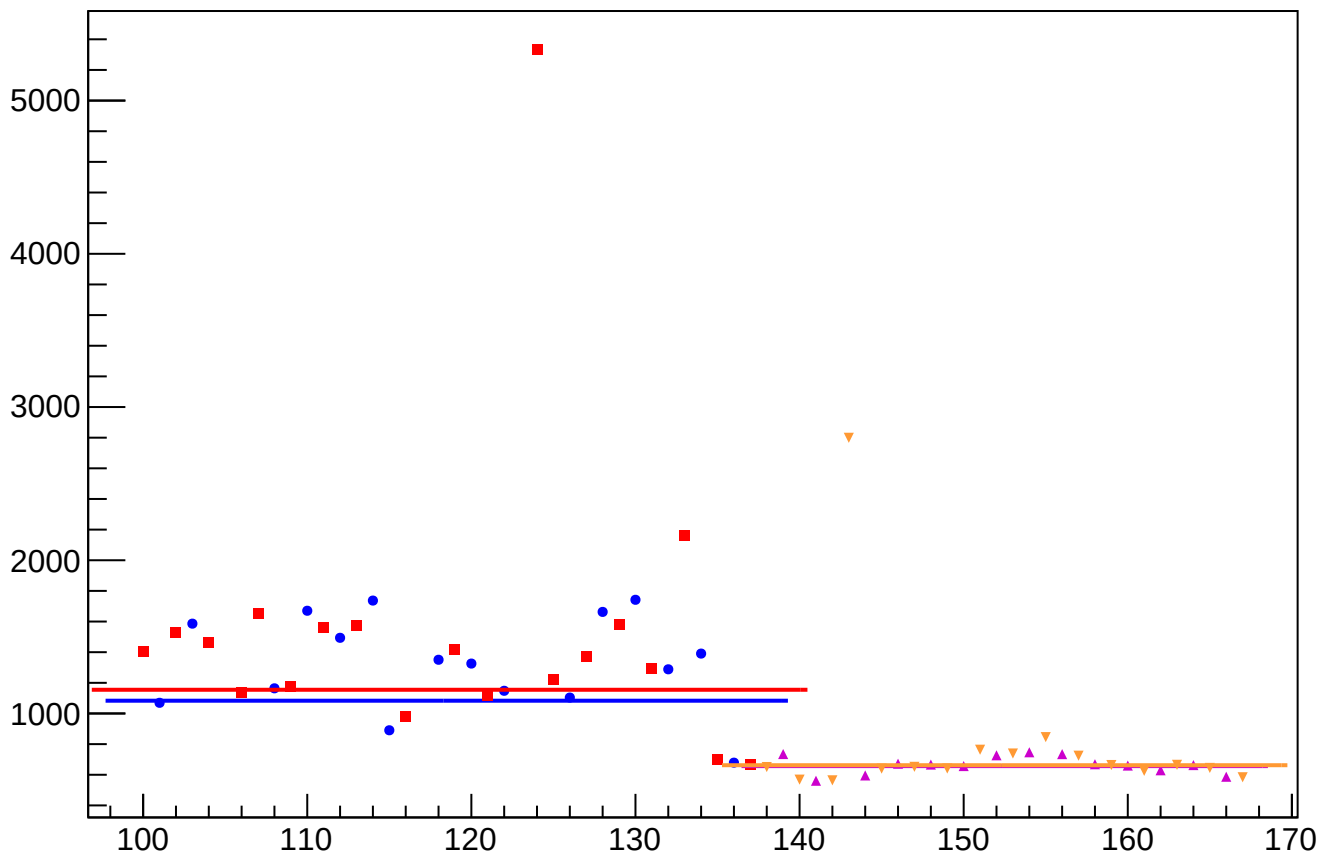
Left In: 130.262 $\pm$ 194.288 χ^2 /NDF:9.4/13

+ sign 1006.943 $\pm$ 174.546 χ^2 /NDF: 60.2/31

All: 614.852 $\pm$ 124.705 χ^2 /NDF: 98.0/64

- sign 206.034 $\pm$ 178.231 χ^2 /NDF: 27.5/32

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1083.341 $\pm$ 0.301 χ^2 /NDF: 1360095.7/15

Left Out: 662.335 $\pm$ 0.135 χ^2 /NDF: 1200760.3/15

Right Out: 1154.732 $\pm$ 0.317 χ^2 /NDF: 1488251.4/18

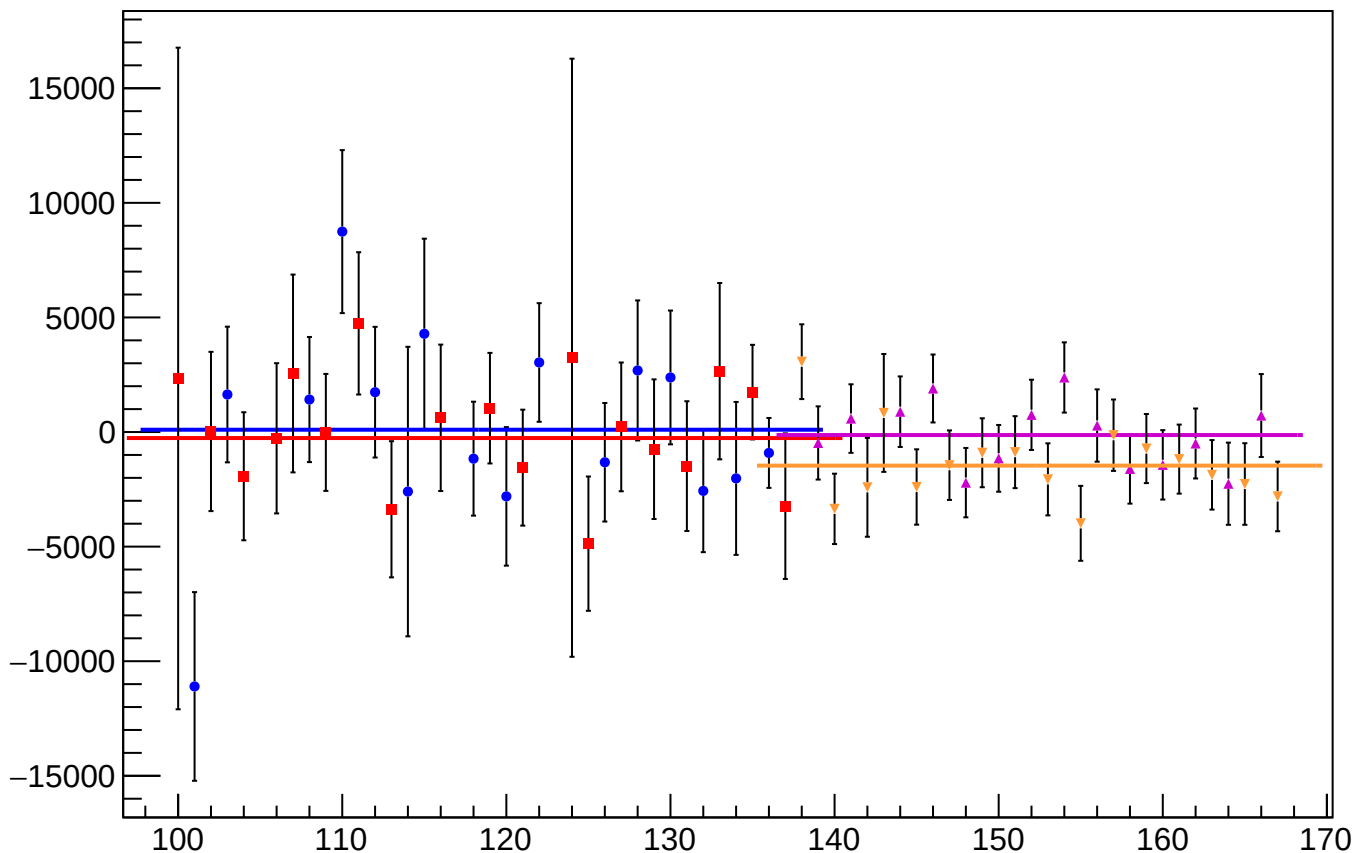
Left In: 656.487 $\pm$ 0.137 χ^2 /NDF: 170598.3/13

+ sign 733.273 $\pm$ 0.123 χ^2 /NDF: 4191063.8/31

All: 734.334 $\pm$ 0.088 χ^2 /NDF: 7934294.5/64

- sign 735.439 $\pm$ 0.126 χ^2 /NDF: 3743079.9/32

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451 $\pm$ 698.983 χ^2 /NDF: 21.3/15

Left Out: -1465.663 $\pm$ 405.730 χ^2 /NDF:15.4/15

Right Out: -262.731 $\pm$ 699.724 χ^2 /NDF: 10.3/18

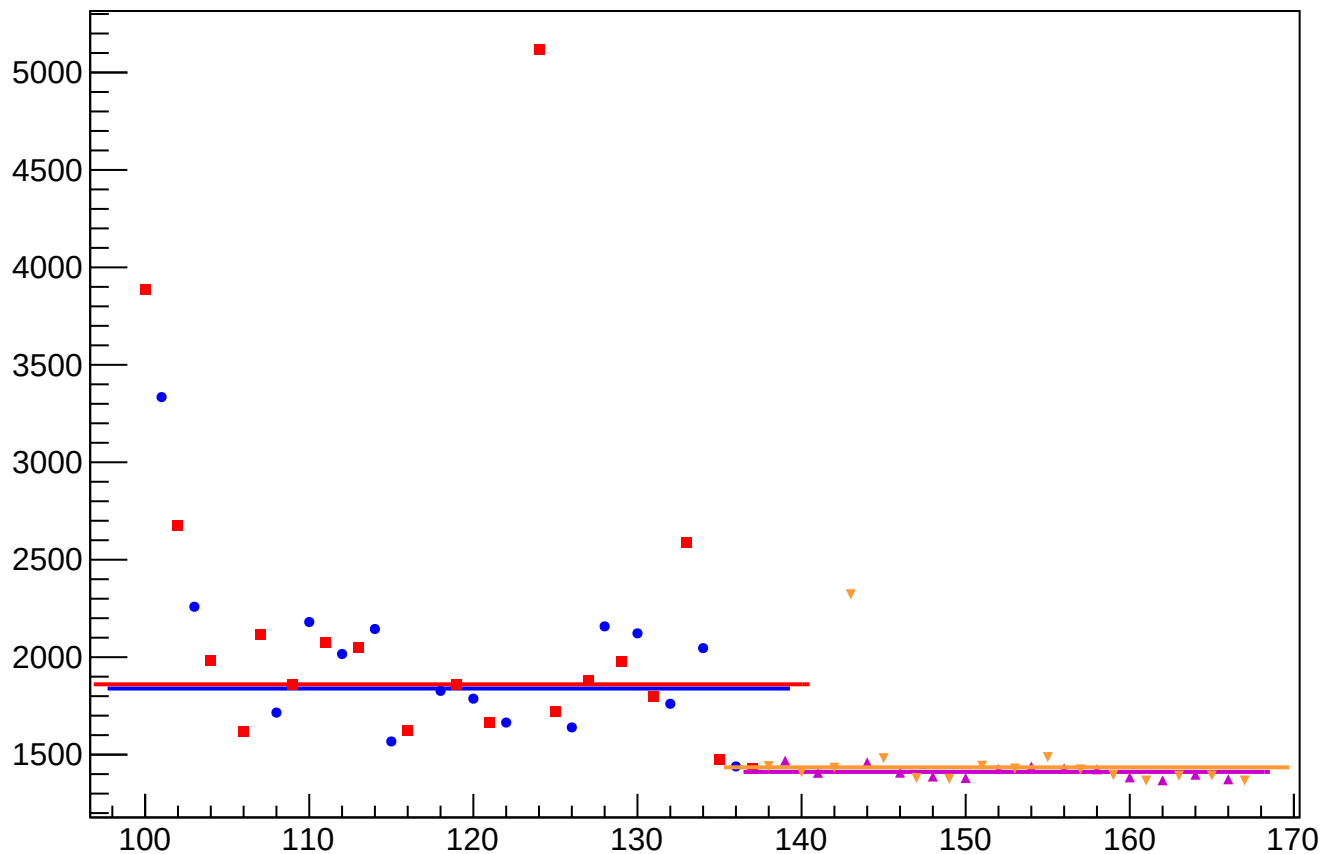
Left In: -131.750 $\pm$ 415.433 χ^2 /NDF:11.4/13

+ sign -1070.973 $\pm$ 350.900 χ^2 /NDF: 40.5/31

All: -626.506 $\pm$ 250.328 χ^2 /NDF: 65.5/64

- sign -165.887 $\pm$ 357.218 χ^2 /NDF: 21.8/32

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1434.806+/-0.287 χ^2/NDF : 260489.2/15

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

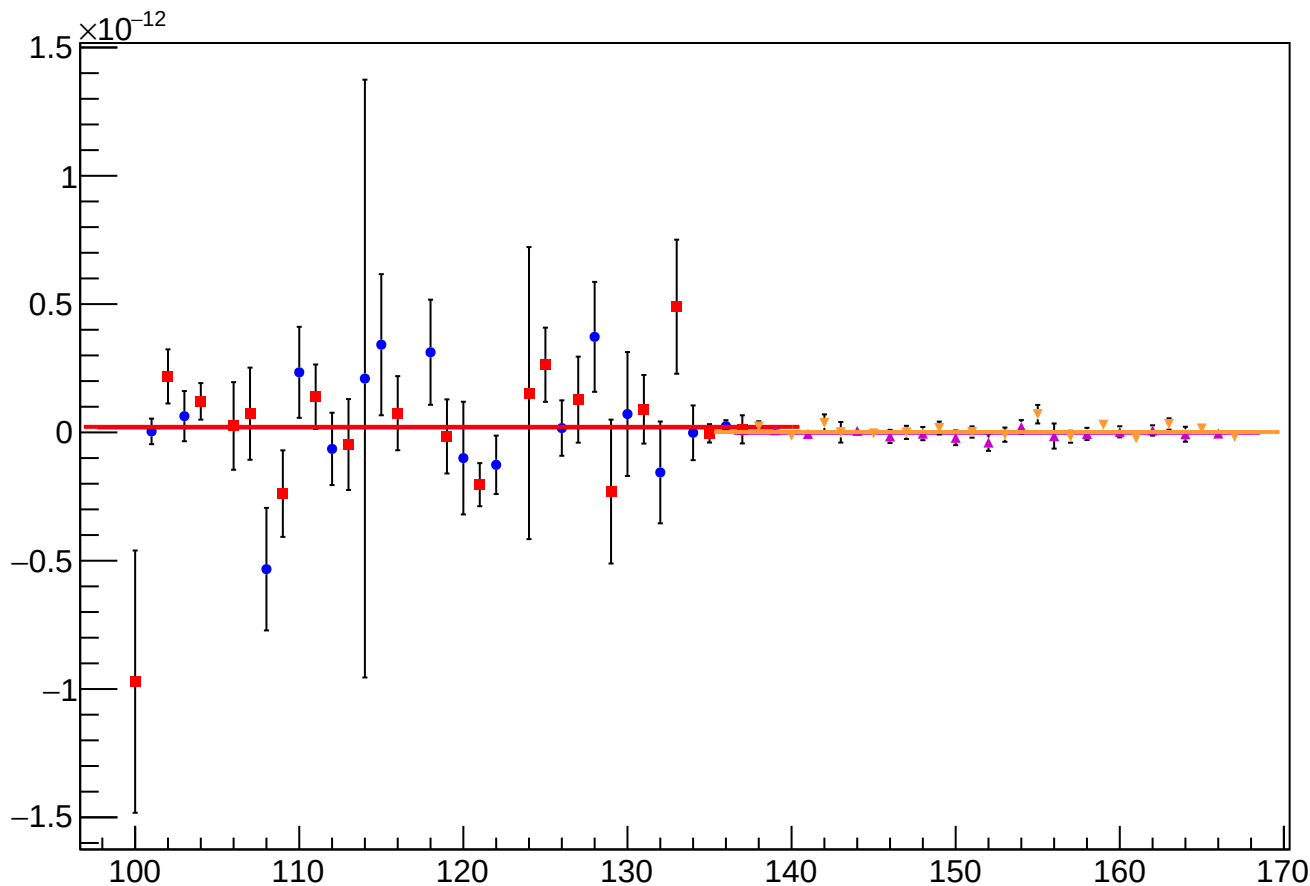
Left In: 1411.277+/-0.294 χ^2/NDF : 10630.6/13

+ sign 1536.699+/-0.248 χ^2/NDF : 1317724.5/31

All: 1532.635+/-0.177 χ^2/NDF : 2461202.6/64

- sign 1528.423+/-0.253 χ^2/NDF : 1142931.9/32

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: 17.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/18

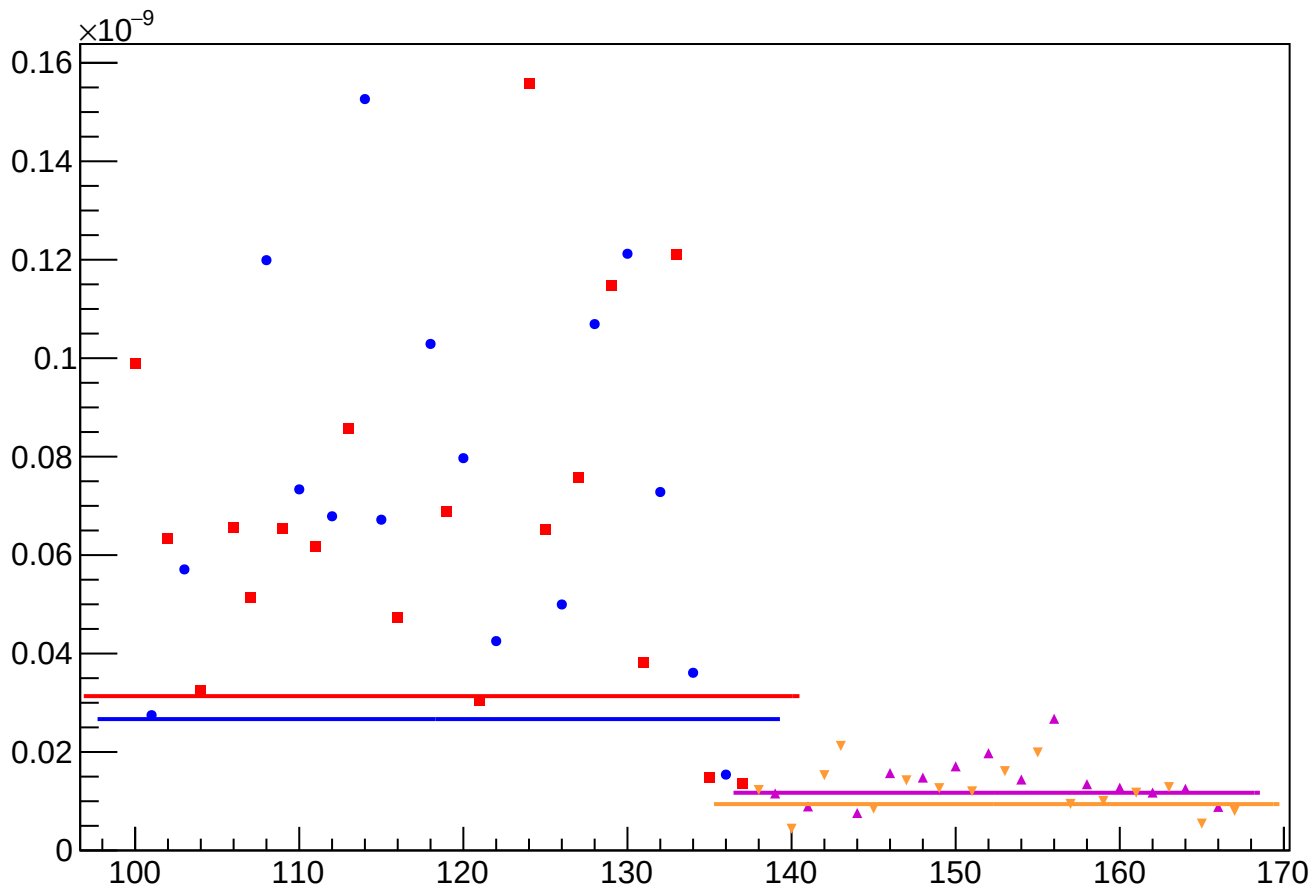
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.4/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.6/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.1/32

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2580672.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1356581.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2275167.3/18

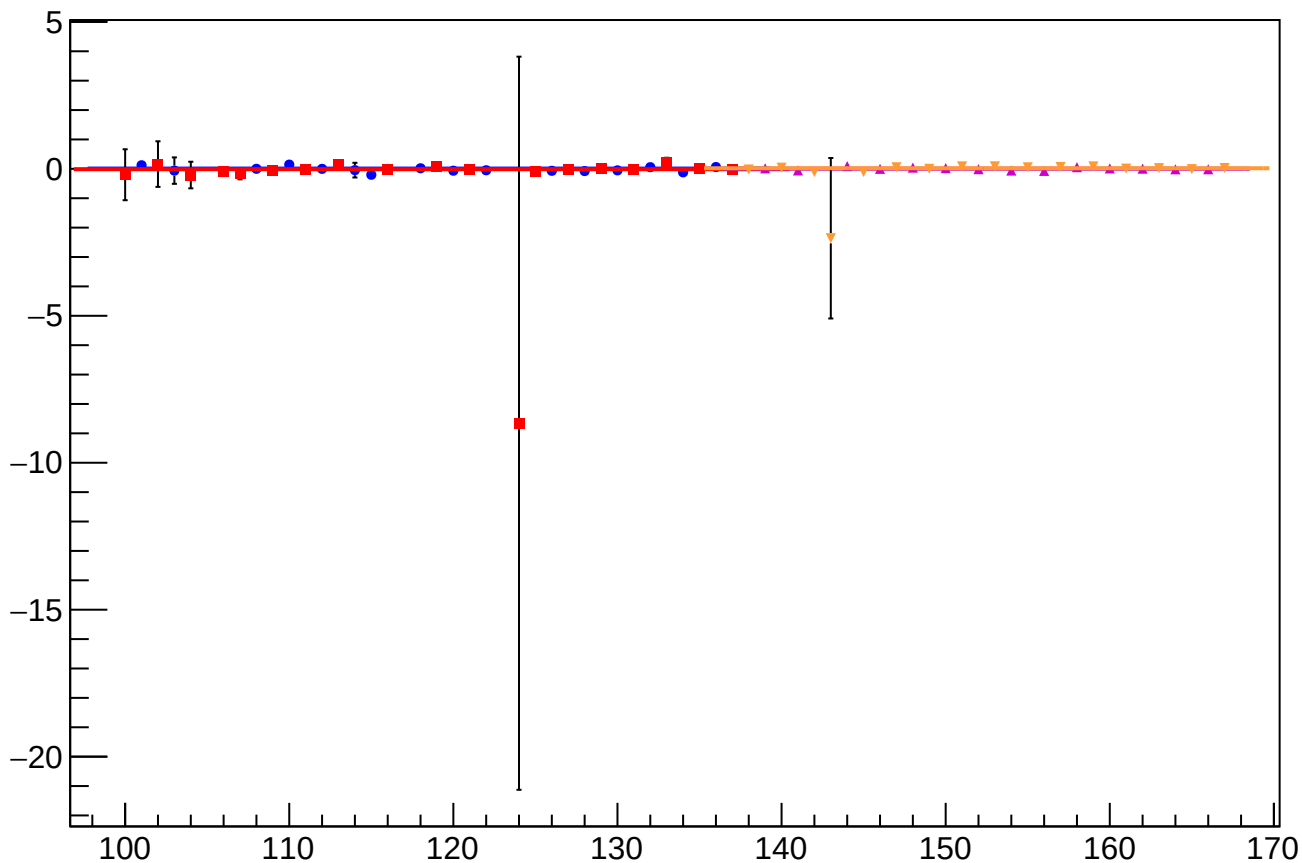
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 787855.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5517736.9/31

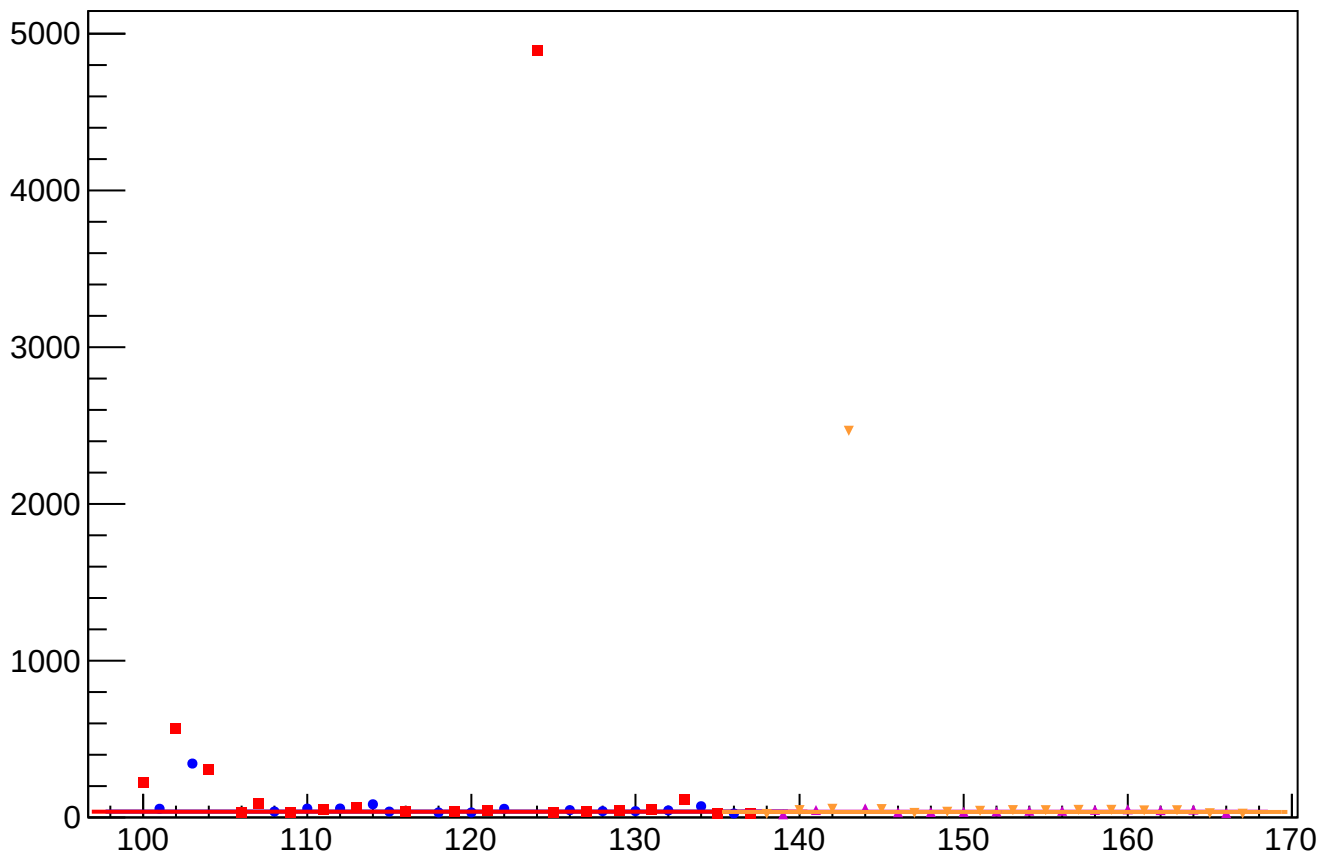
All: 0.000 $\pm$ 0.000 χ^2/NDF : 10258106.6/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4513938.1/32

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF : 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF : 3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

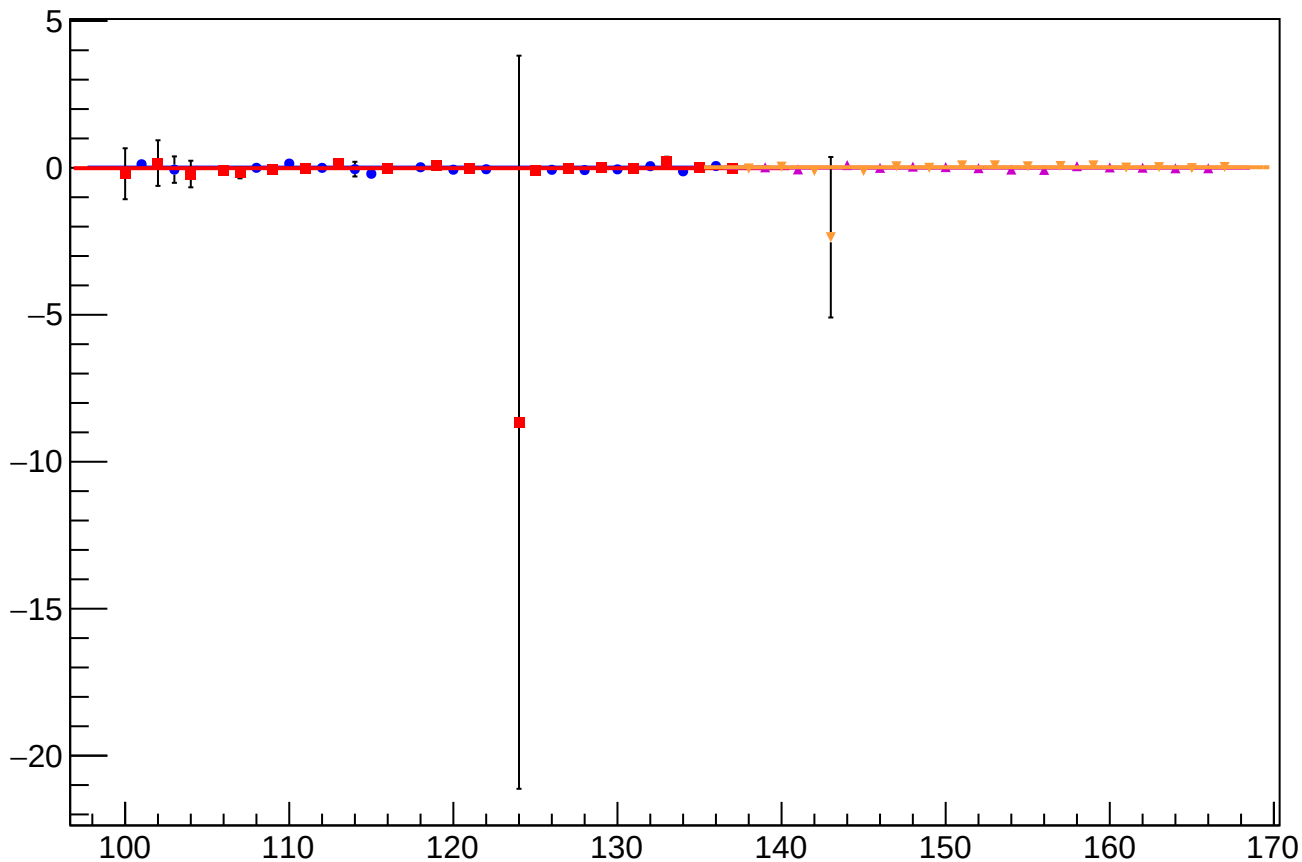
Left In: 36.652+/-0.008 χ^2/NDF : 1574049.5/13

+ sign 35.868+/-0.007 χ^2/NDF : 5493797.7/31

All: 36.260+/-0.005 χ^2/NDF : 10266163.8/64

- sign 36.691+/-0.007 χ^2/NDF : 4764813.4/32

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: 0.020 ± 0.011 χ^2/NDF : 17.0/15

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

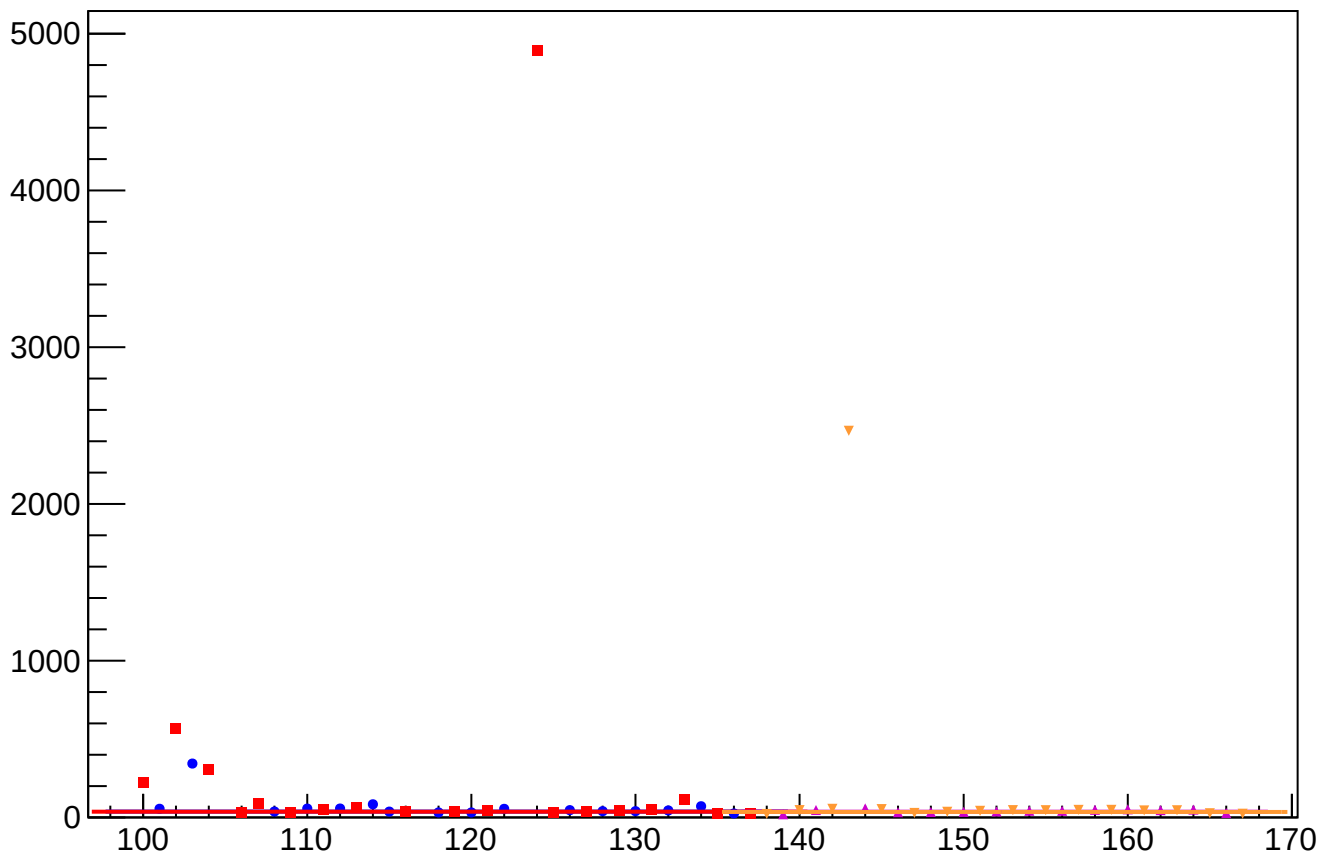
Left In: 0.004 ± 0.012 χ^2/NDF : 9.9/13

+ sign 0.016 ± 0.009 χ^2/NDF : 36.6/31

All: 0.008 ± 0.007 χ^2/NDF : 61.6/64

- sign -0.002 ± 0.010 χ^2/NDF : 23.2/32

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: 35.065 $\pm$ 0.008 χ^2 /NDF: 3479952.0/15

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

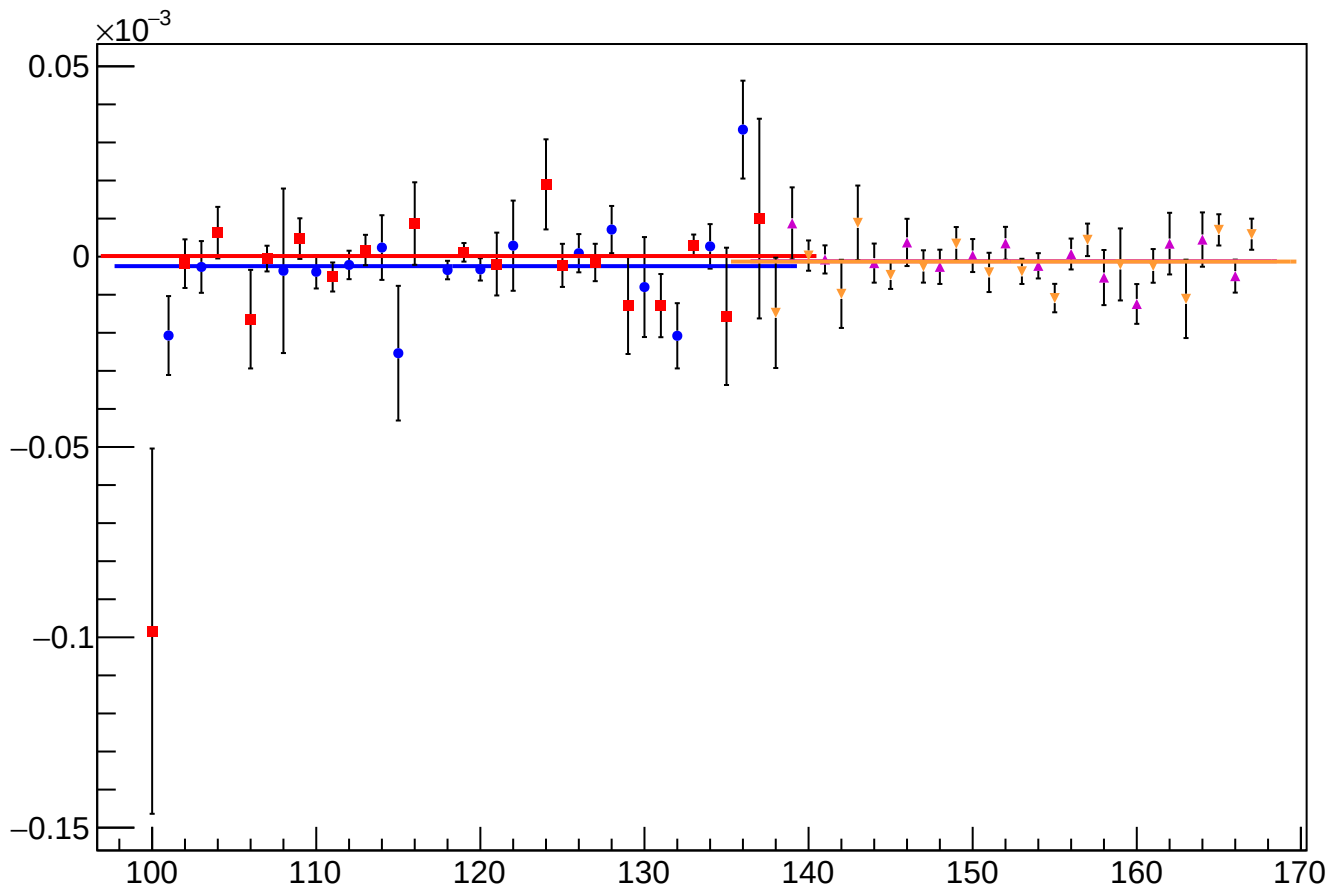
Left In: 36.652 $\pm$ 0.008 χ^2 /NDF: 1574049.5/13

+ sign 35.868 $\pm$ 0.007 χ^2 /NDF: 5493797.7/31

All: 36.260 $\pm$ 0.005 χ^2 /NDF: 10266163.8/64

- sign 36.691 $\pm$ 0.007 χ^2 /NDF: 4764813.4/32

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF : 22.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 18.9/18

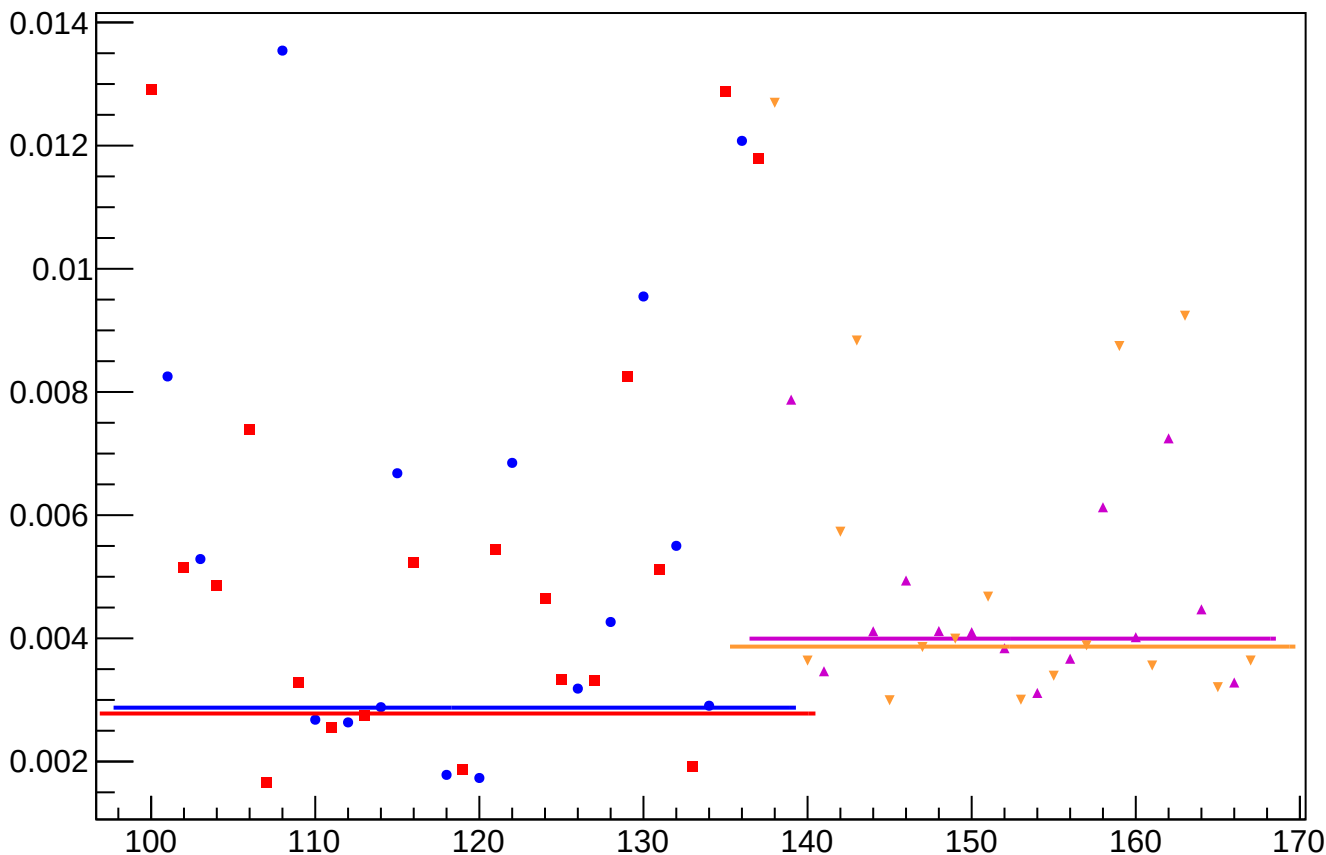
Left In: -0.000+/-0.000 χ^2/NDF : 10.3/13

+ sign -0.000+/-0.000 χ^2/NDF : 44.9/31

All: -0.000+/-0.000 χ^2/NDF : 75.9/64

- sign -0.000+/-0.000 χ^2/NDF : 29.7/32

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 :2824920.6/15

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

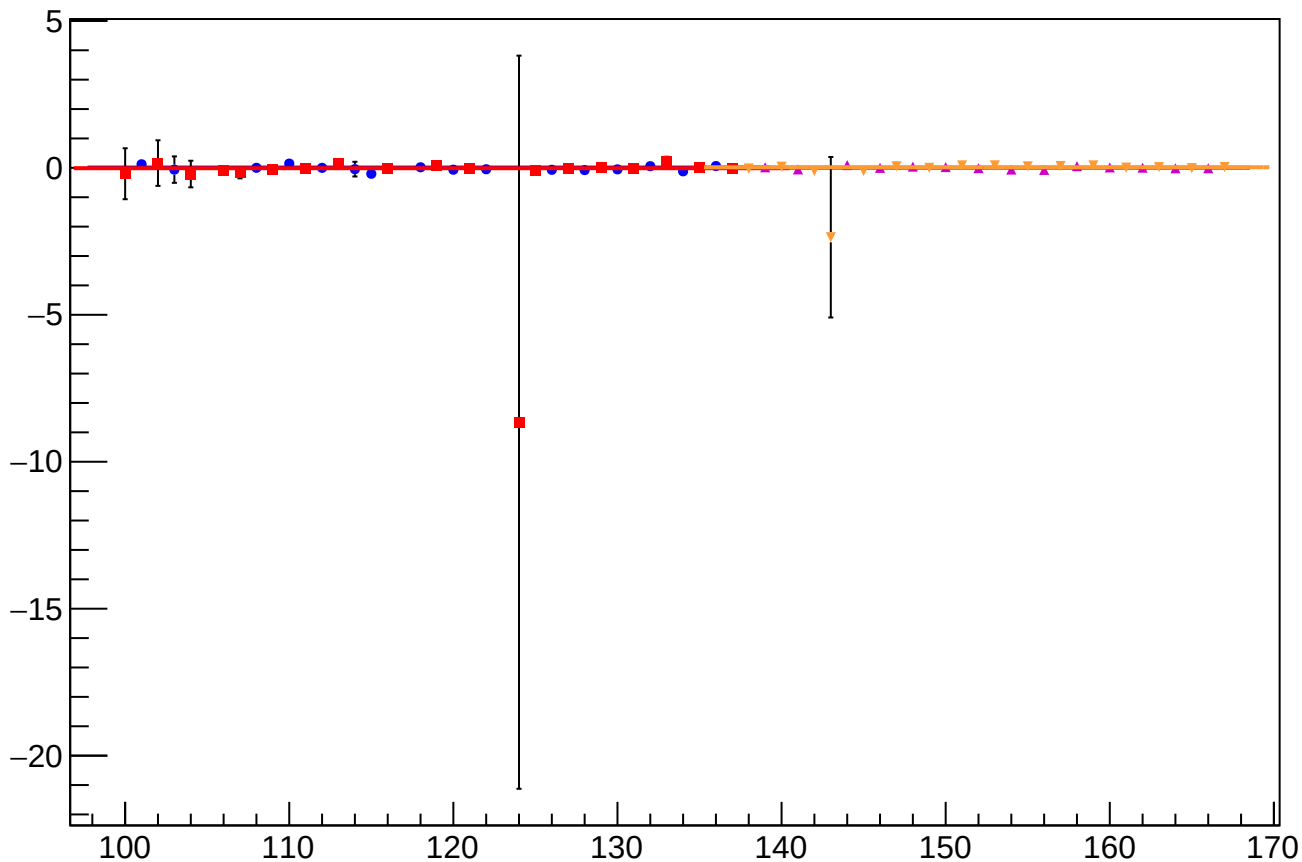
Left In: 0.004+/-0.000 χ^2/NDF :1143354.4/13

+ sign 0.003+/-0.000 χ^2/NDF : 7612451.9/31

All: 0.003+/-0.000 χ^2/NDF : 13048989.2/64

- sign 0.003+/-0.000 χ^2/NDF : 5425633.9/32

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: 0.020 ± 0.011 χ^2/NDF : 17.0/15

Right Out: -0.013 ± 0.017 χ^2/NDF : 12.6/18

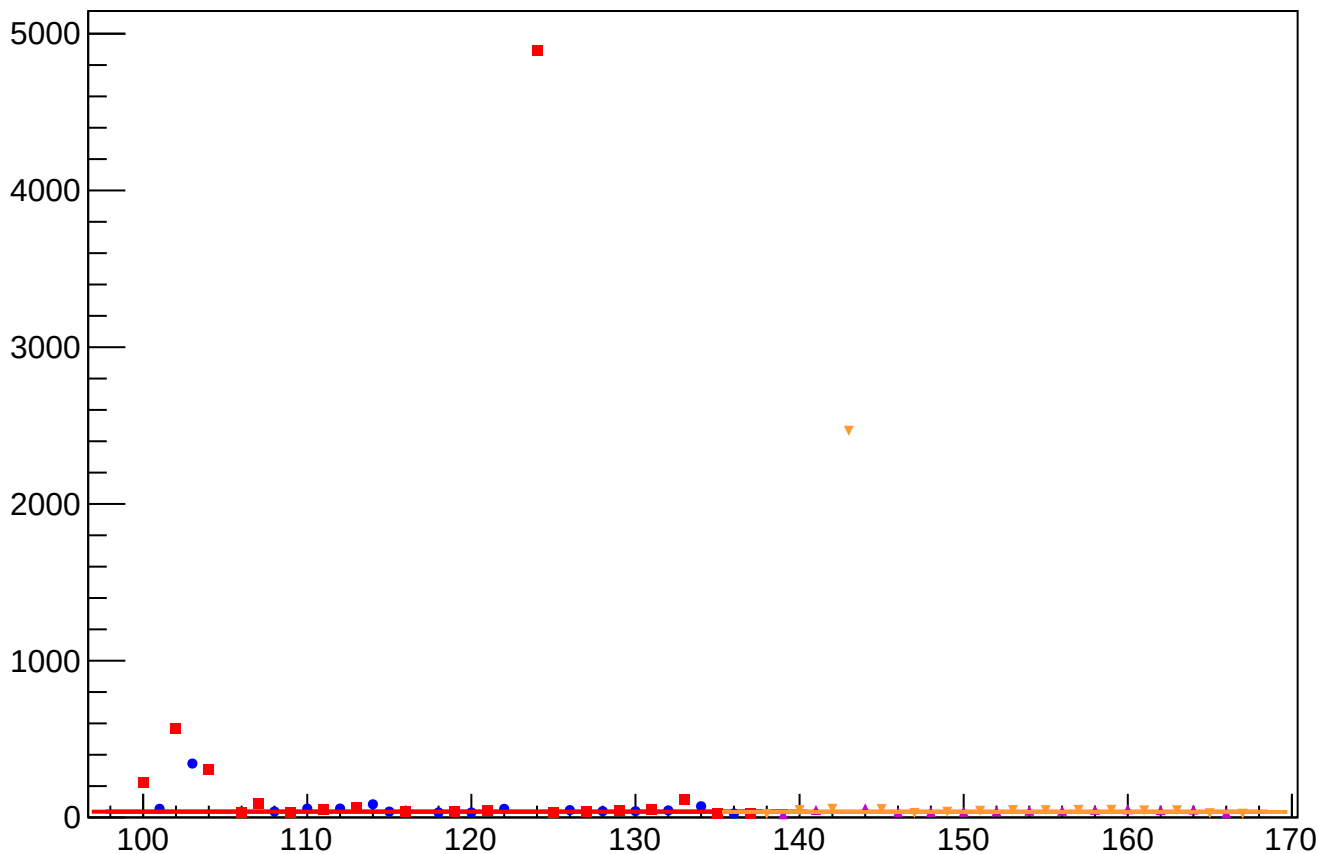
Left In: 0.004 ± 0.012 χ^2/NDF : 9.9/13

+ sign 0.016 ± 0.009 χ^2/NDF : 36.6/31

All: 0.008 ± 0.007 χ^2/NDF : 61.6/64

- sign -0.002 ± 0.010 χ^2/NDF : 23.2/32

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: 35.063 $\pm$ 0.008 χ^2 /NDF: 3480090.1/15

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

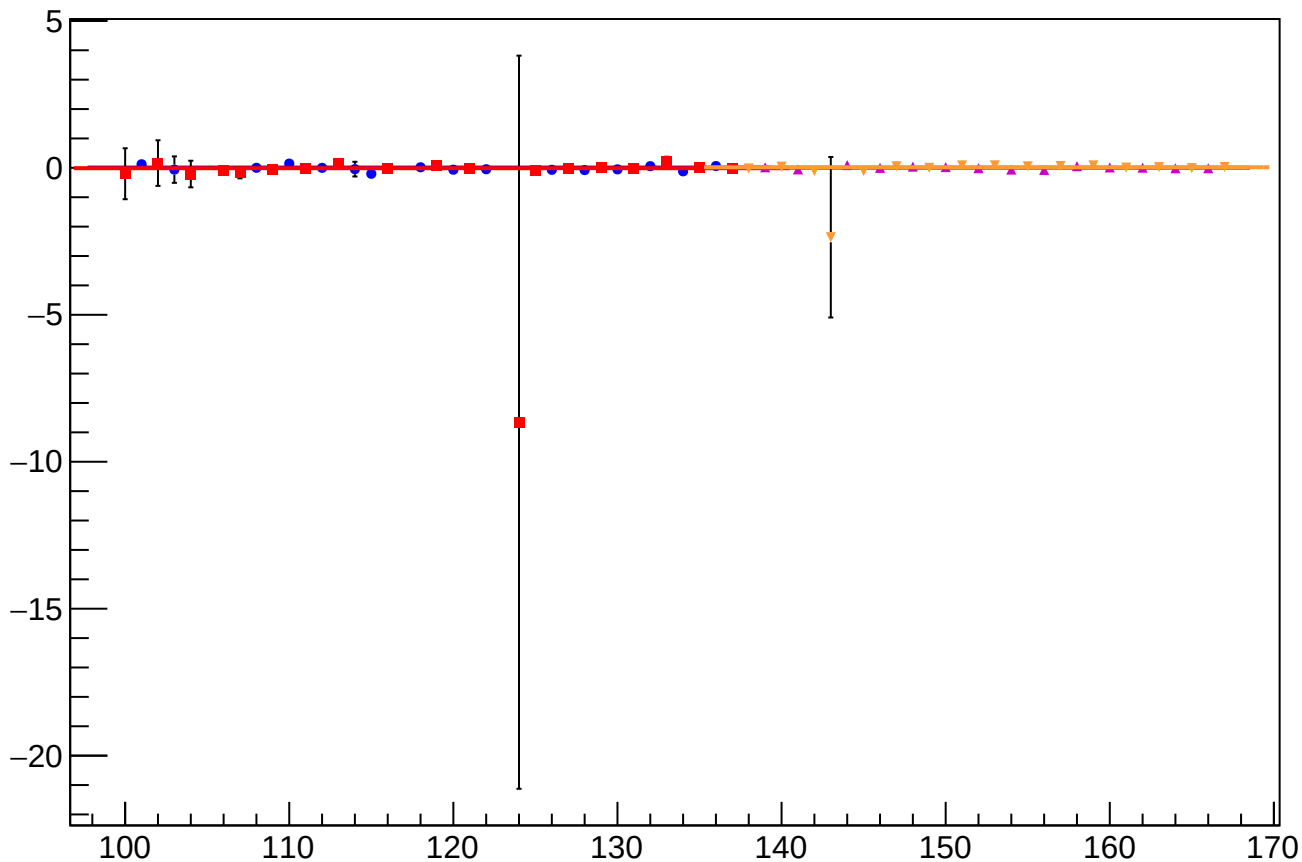
Left In: 36.654 $\pm$ 0.008 χ^2 /NDF: 1572840.7/13

+ sign 35.867 $\pm$ 0.007 χ^2 /NDF: 5493910.3/31

All: 36.261 $\pm$ 0.005 χ^2 /NDF: 10264820.8/64

- sign 36.693 $\pm$ 0.007 χ^2 /NDF: 4763304.2/32

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: 0.020 ± 0.011 $\chi^2/\text{NDF}: 17.0/15$

Right Out: -0.013 ± 0.017 $\chi^2/\text{NDF}: 12.6/18$

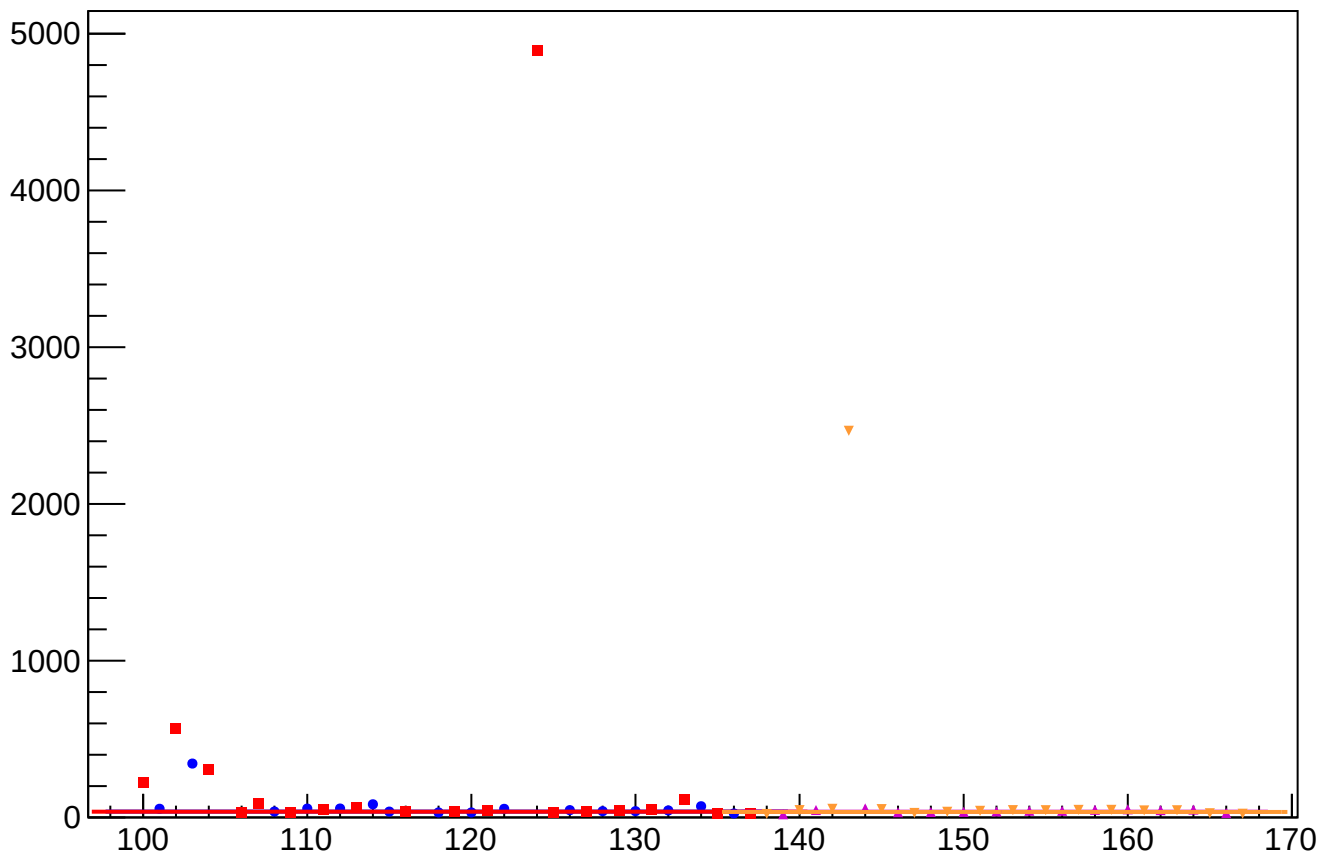
Left In: 0.004 ± 0.012 $\chi^2/\text{NDF}: 9.9/13$

+ sign 0.016 ± 0.009 $\chi^2/\text{NDF}: 36.6/31$

All: 0.008 ± 0.007 $\chi^2/\text{NDF}: 61.6/64$

- sign -0.002 ± 0.010 $\chi^2/\text{NDF}: 23.2/32$

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 35.063 $\pm$ 0.008 χ^2 /NDF: 3480090.1/15

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

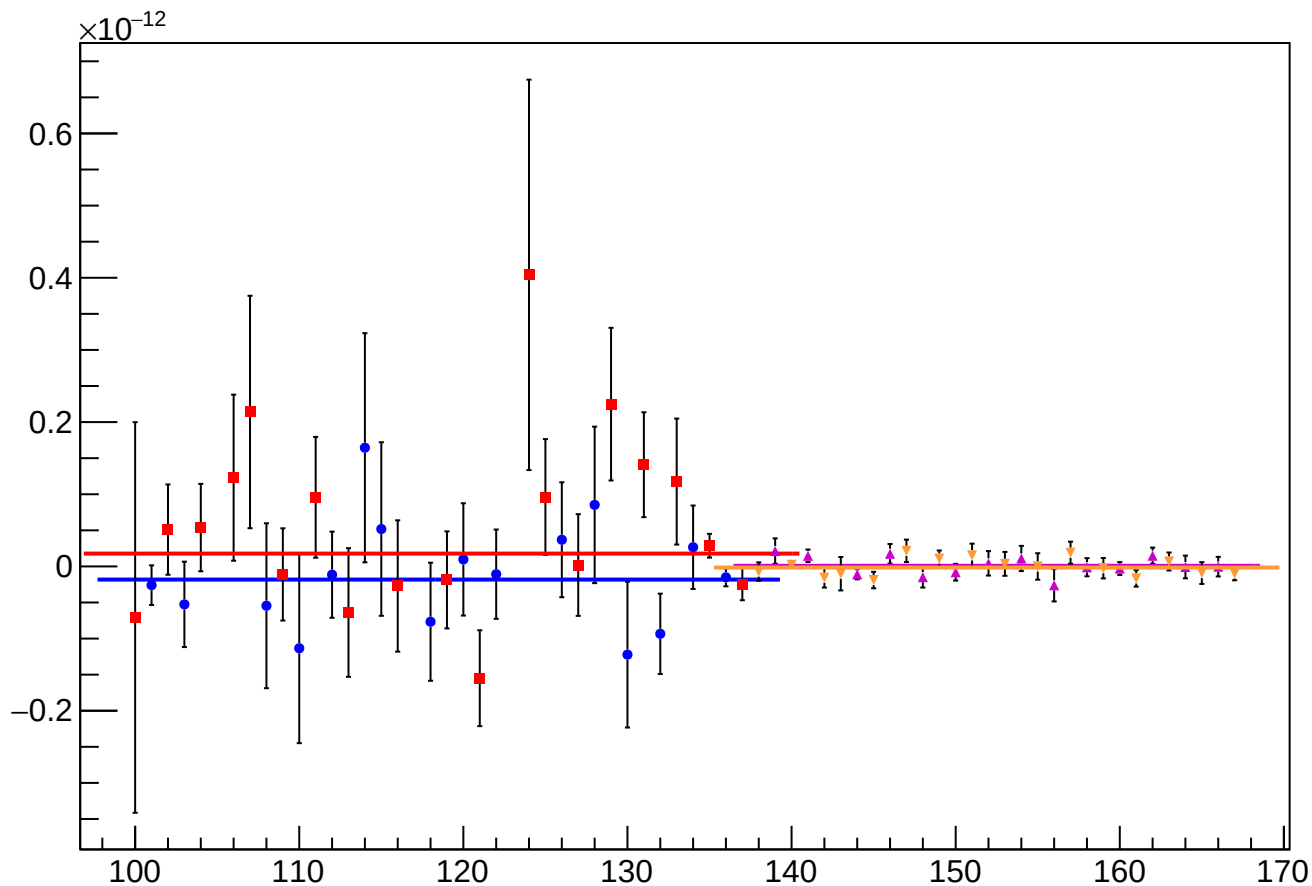
Left In: 36.654 $\pm$ 0.008 χ^2 /NDF: 1572840.7/13

+ sign 35.867 $\pm$ 0.007 χ^2 /NDF: 5493910.3/31

All: 36.261 $\pm$ 0.005 χ^2 /NDF: 10264820.8/64

- sign 36.693 $\pm$ 0.007 χ^2 /NDF: 4763304.2/32

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:13.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/18

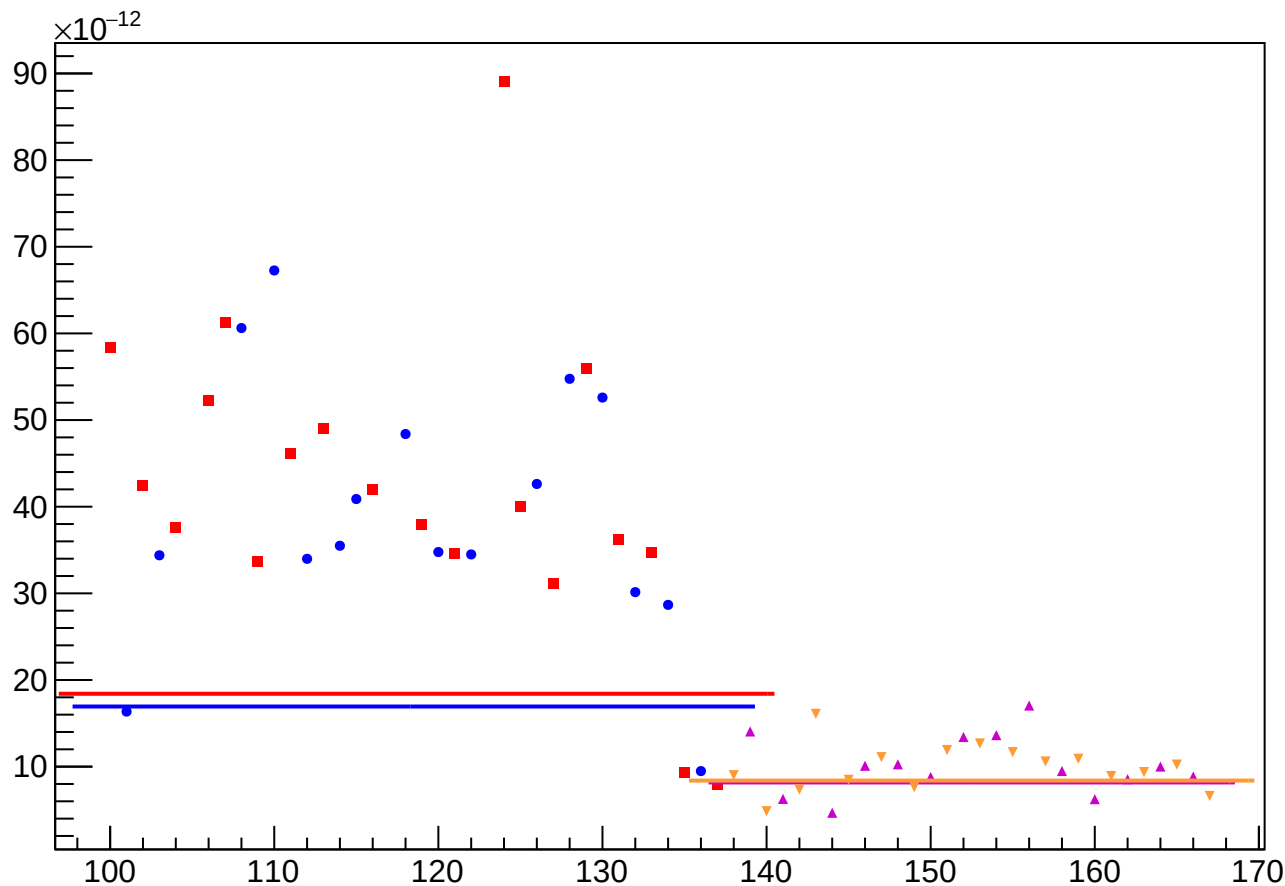
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.6/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 69.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.1/32

asym_atl_dd_atr_dd_dd_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:1369910.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3674861.8/18

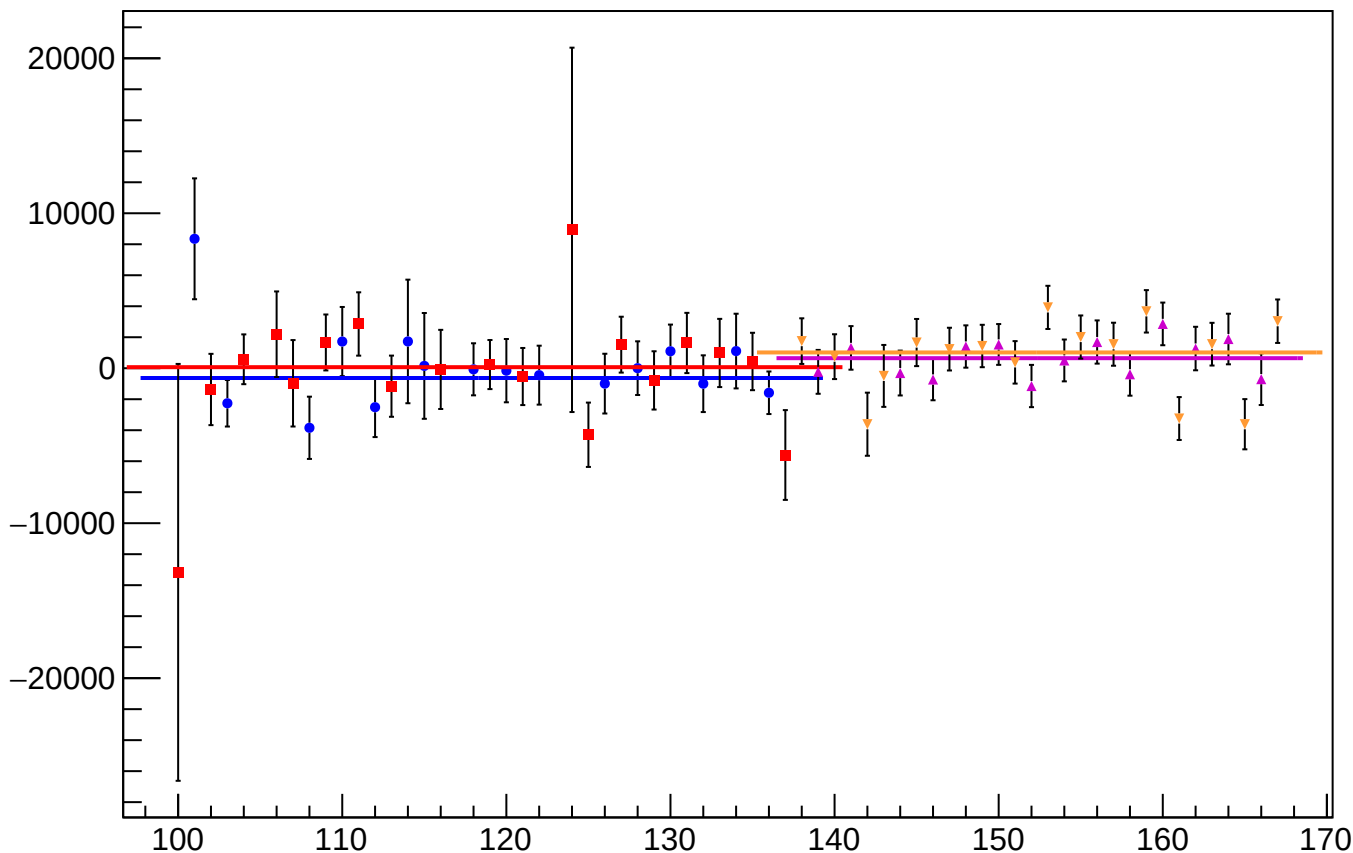
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1756412.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5931528.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12953019.5/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7016944.8/32

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF : 35.2/15

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

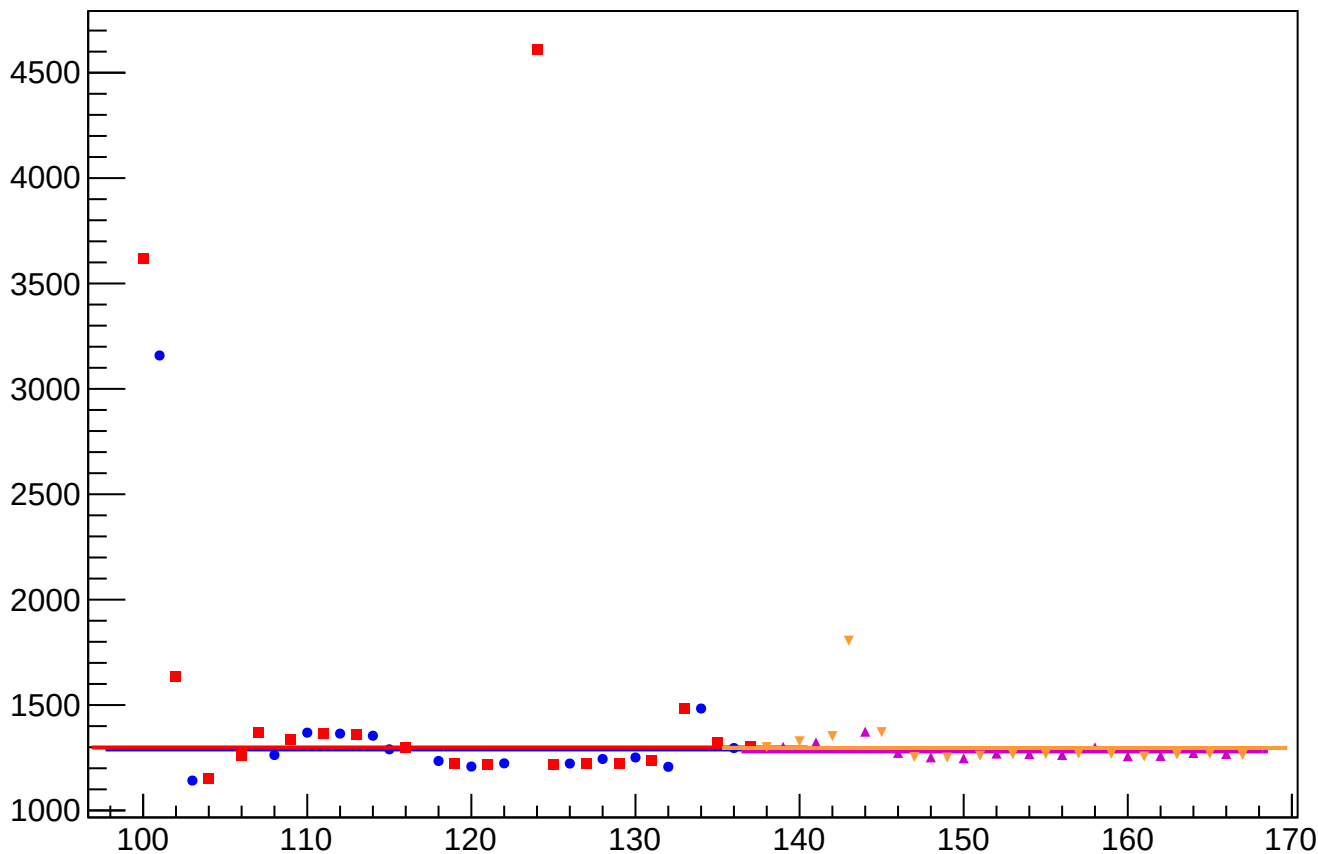
Left In: 648.112+/-376.741 χ^2/NDF : 9.7/13

+ sign 426.111+/-292.774 χ^2/NDF : 56.4/31

All: 428.615+/-208.900 χ^2/NDF : 82.9/64

- sign 431.212+/-298.158 χ^2/NDF : 26.5/32

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514675.0/15

Left Out: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

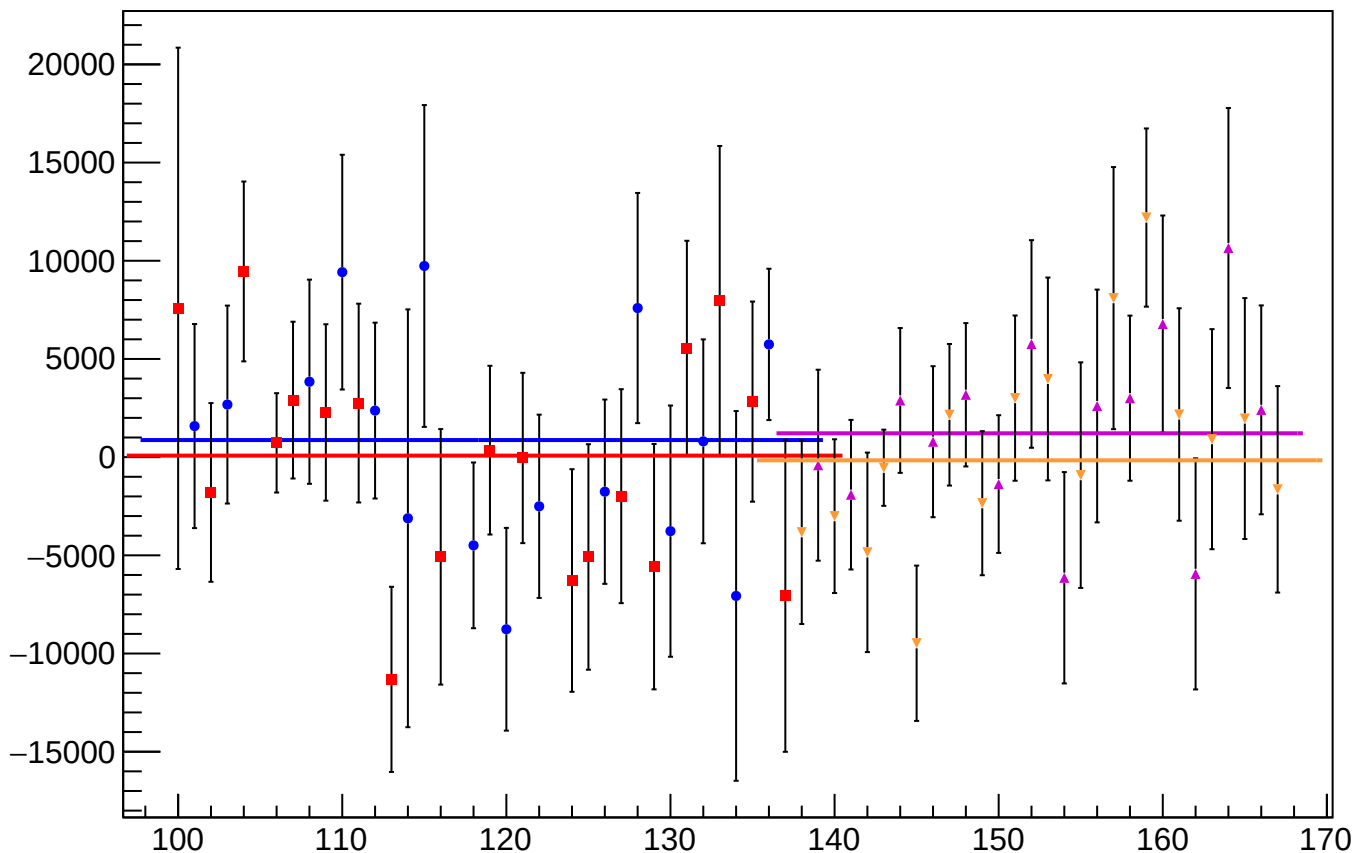
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665500.6/31

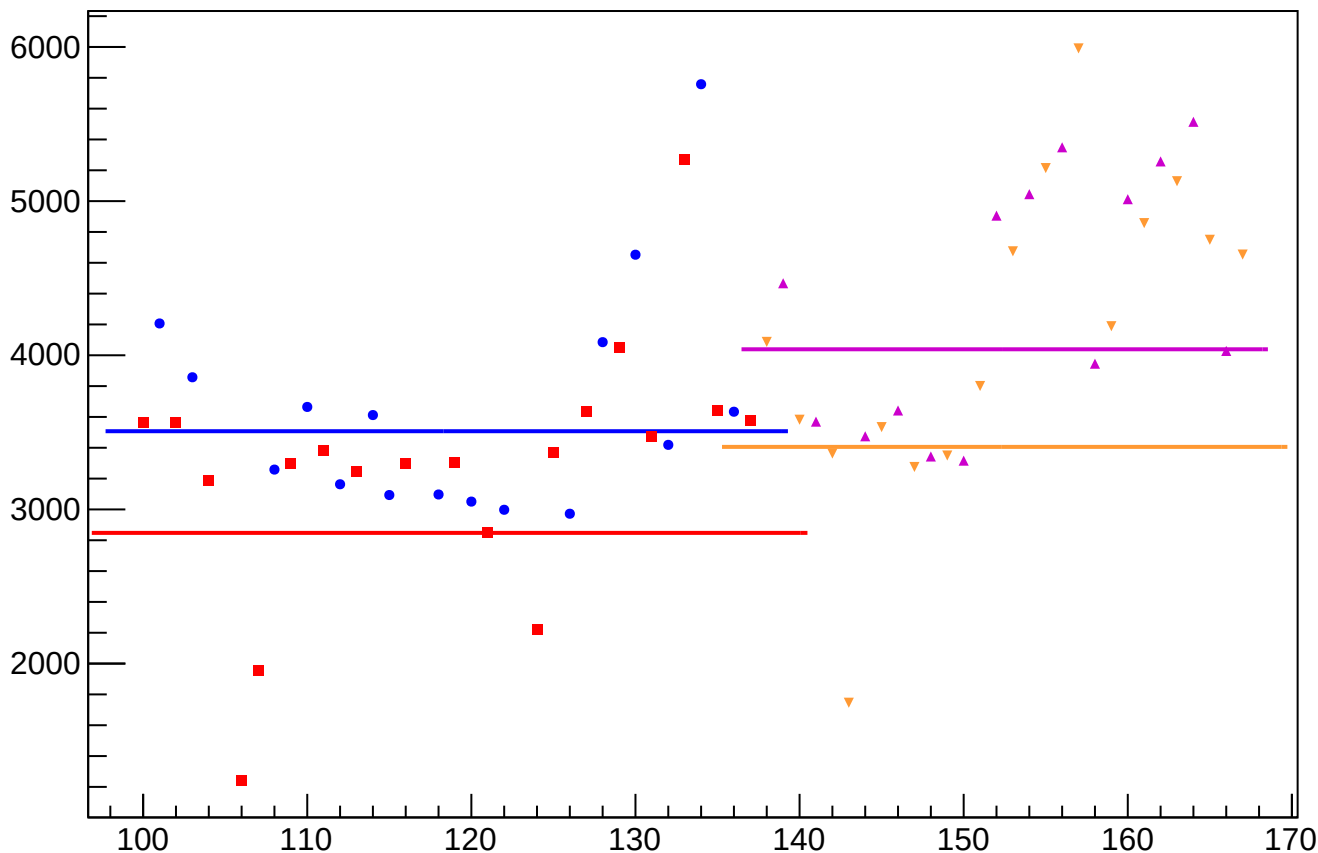
All: 1290.373 $\pm$ 0.148 χ^2 /NDF: 1002211.8/64

- sign 1286.882 $\pm$ 0.211 χ^2 /NDF: 336171.1/32

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3507.397 $\pm$ 0.937 χ^2 /NDF: 353979.1/15

Left Out: 3405.727 $\pm$ 0.724 χ^2 /NDF: 2754433.7/15

Right Out: 2847.833 $\pm$ 0.786 χ^2 /NDF: 1499373.6/18

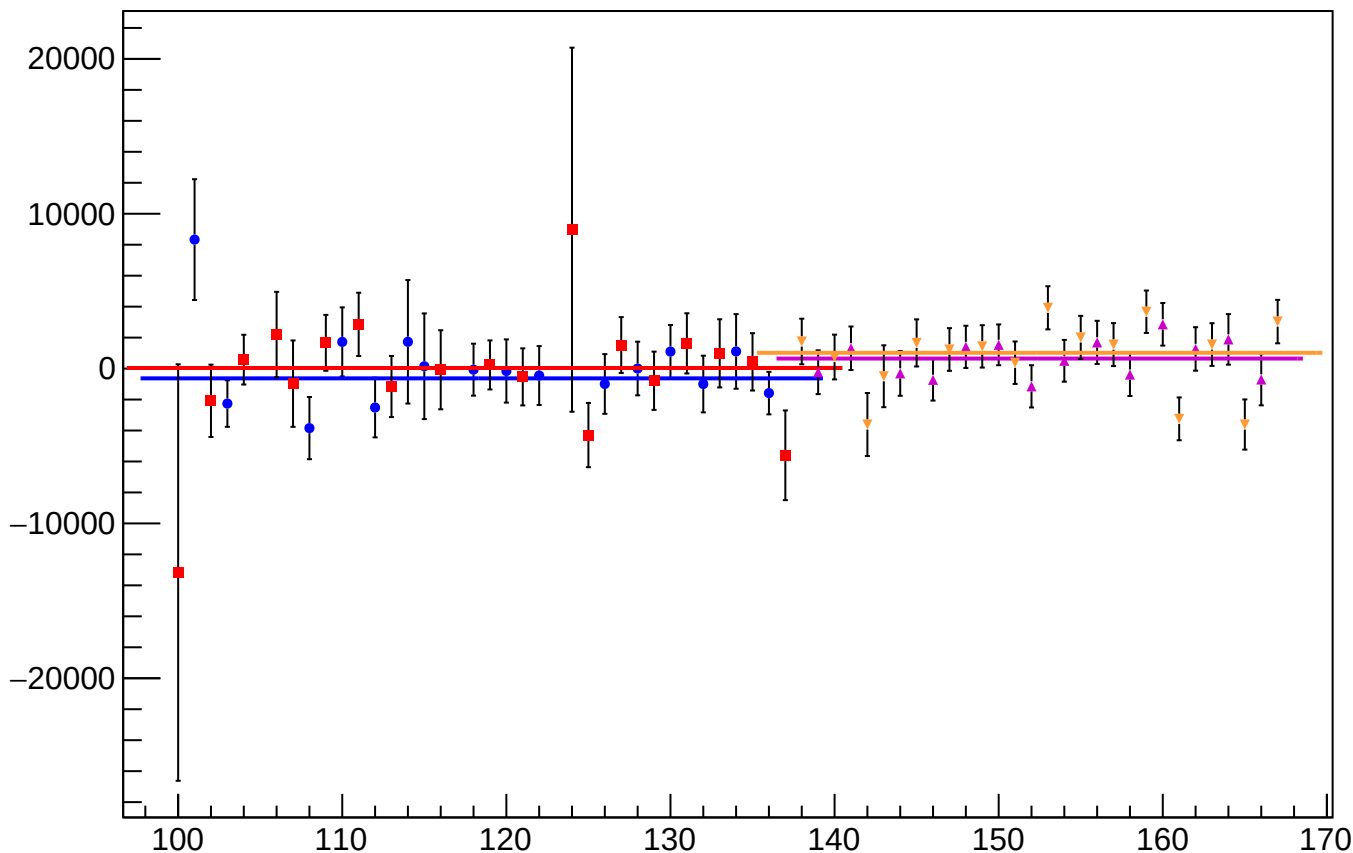
Left In: 4038.851 $\pm$ 0.857 χ^2 /NDF: 727704.4/13

+ sign 3443.700 $\pm$ 0.573 χ^2 /NDF: 3115787.2/31

All: 3418.016 $\pm$ 0.407 χ^2 /NDF: 6396472.7/64

- sign 3391.755 $\pm$ 0.579 χ^2 /NDF: 3276617.7/32

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 1018.118 ± 365.671 χ^2/NDF : 35.2/15

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

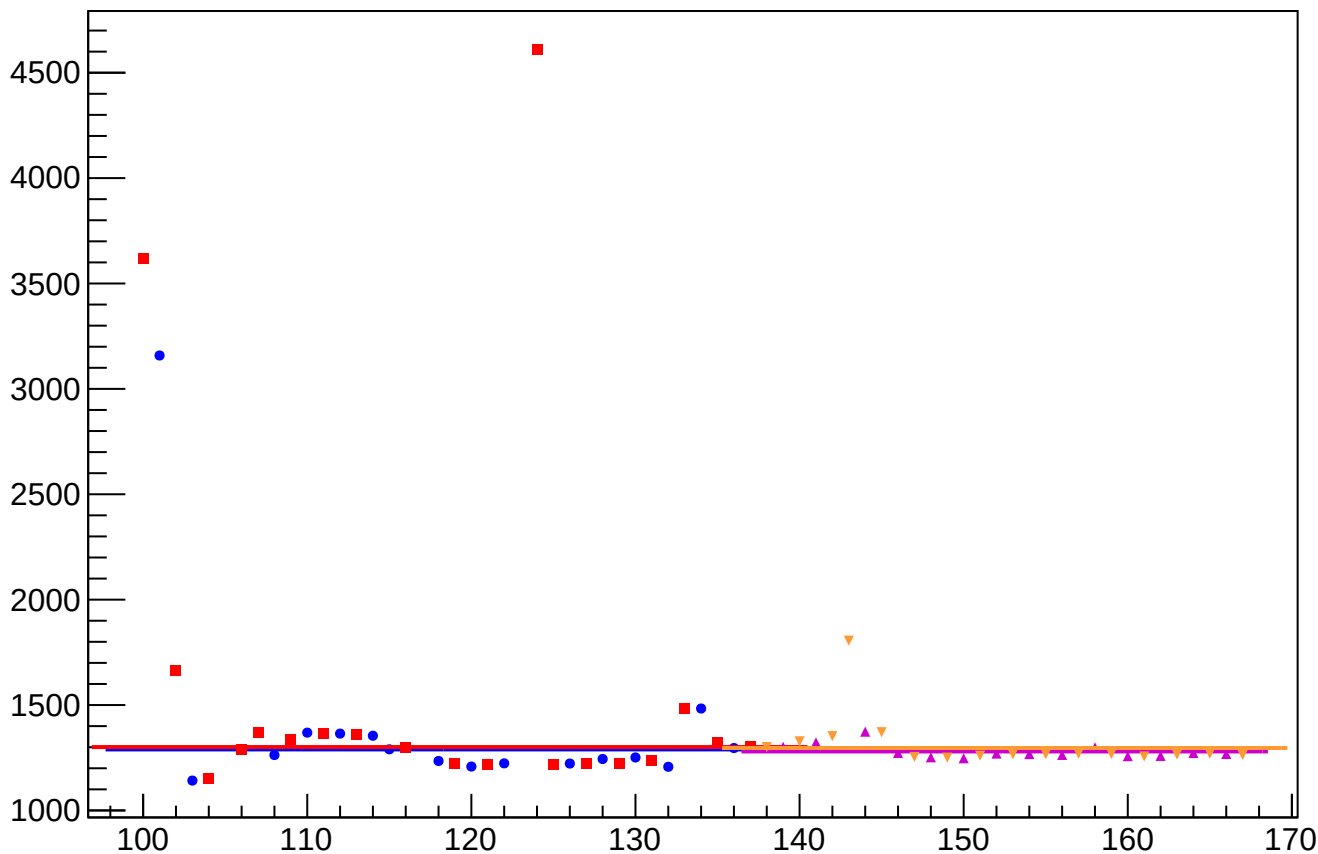
Left In: 648.119 ± 376.741 χ^2/NDF : 9.7/13

+ sign 425.997 ± 292.774 χ^2/NDF : 56.4/31

All: 423.330 ± 208.926 χ^2/NDF : 83.4/64

- sign 420.562 ± 298.232 χ^2/NDF : 27.0/32

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: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

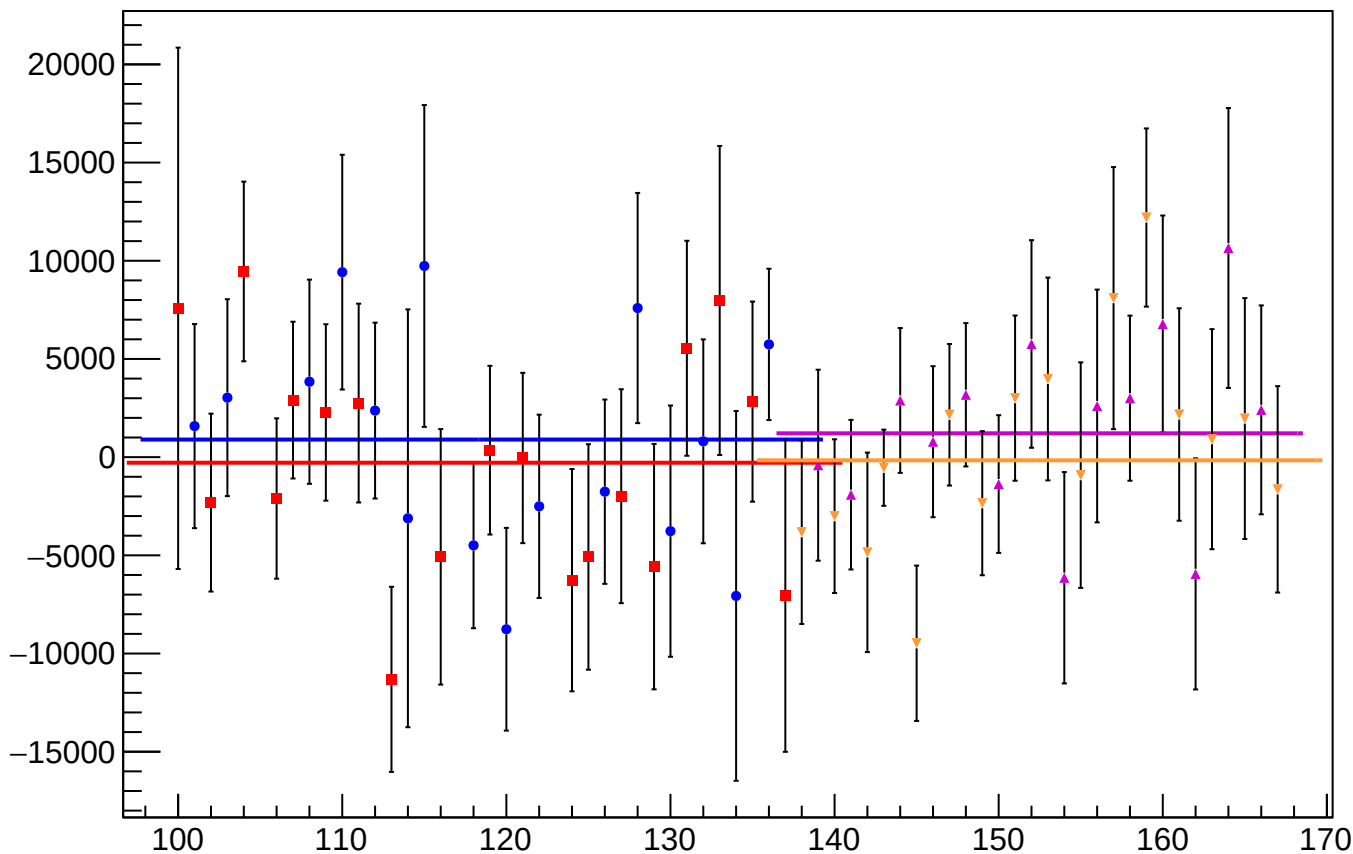
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665502.1/31

All: 1290.742 $\pm$ 0.148 χ^2 /NDF: 1009056.0/64

- sign 1287.629 $\pm$ 0.211 χ^2 /NDF: 343125.1/32

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF : 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF : 19.0/15

Right Out: -283.963+/-1183.171 χ^2/NDF : 18.6/18

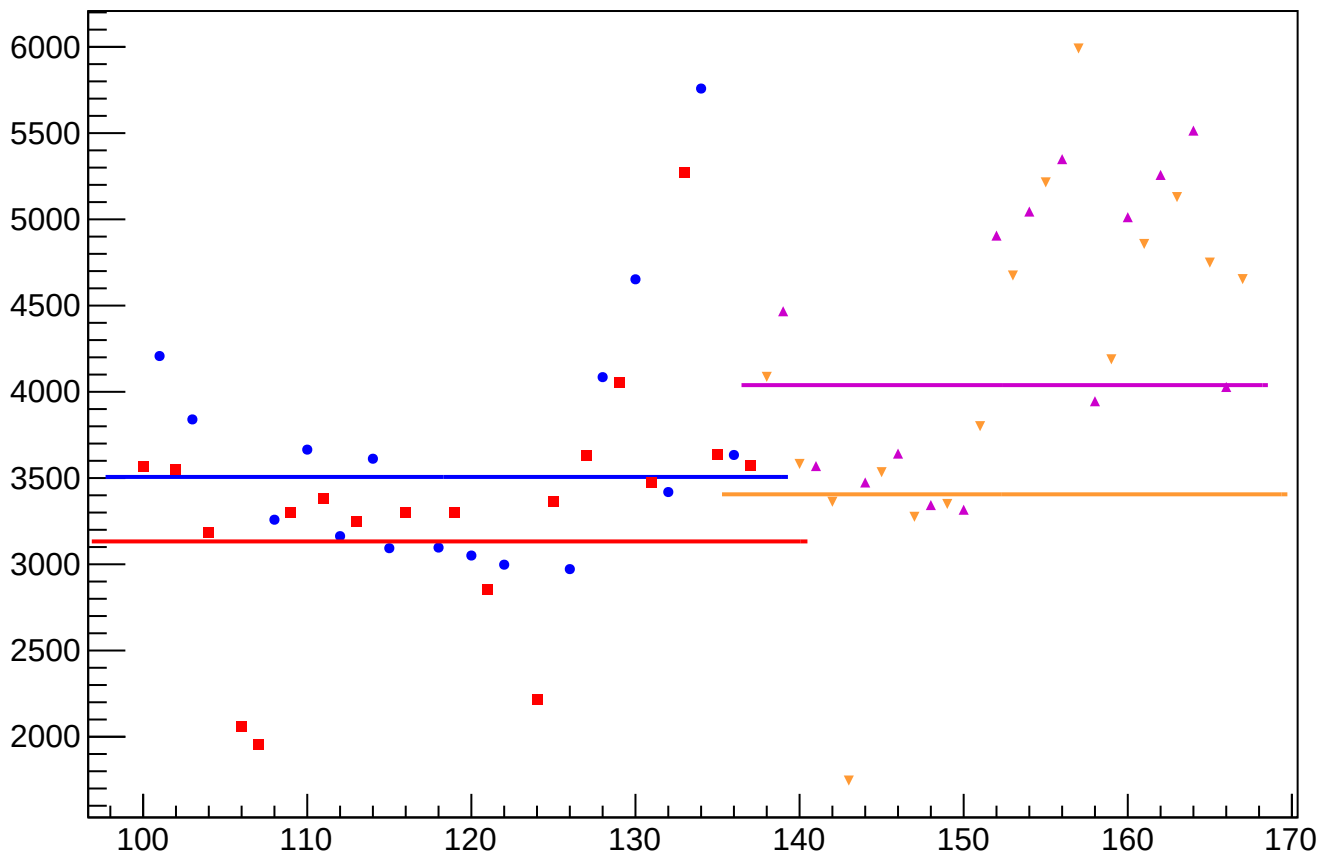
Left In: 1214.227+/-1211.878 χ^2/NDF : 9.0/13

+ sign 233.436+/-809.829 χ^2/NDF : 33.4/31

All: 335.565+/-585.202 χ^2/NDF : 61.9/64

- sign 447.177+/-846.595 χ^2/NDF : 28.4/32

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484 ± 0.937 $\chi^2/\text{NDF}: 353237.7/15$

Left Out: 3405.717 ± 0.724 $\chi^2/\text{NDF}: 2754464.2/15$

Right Out: 3132.586 ± 0.837 $\chi^2/\text{NDF}: 649611.1/18$

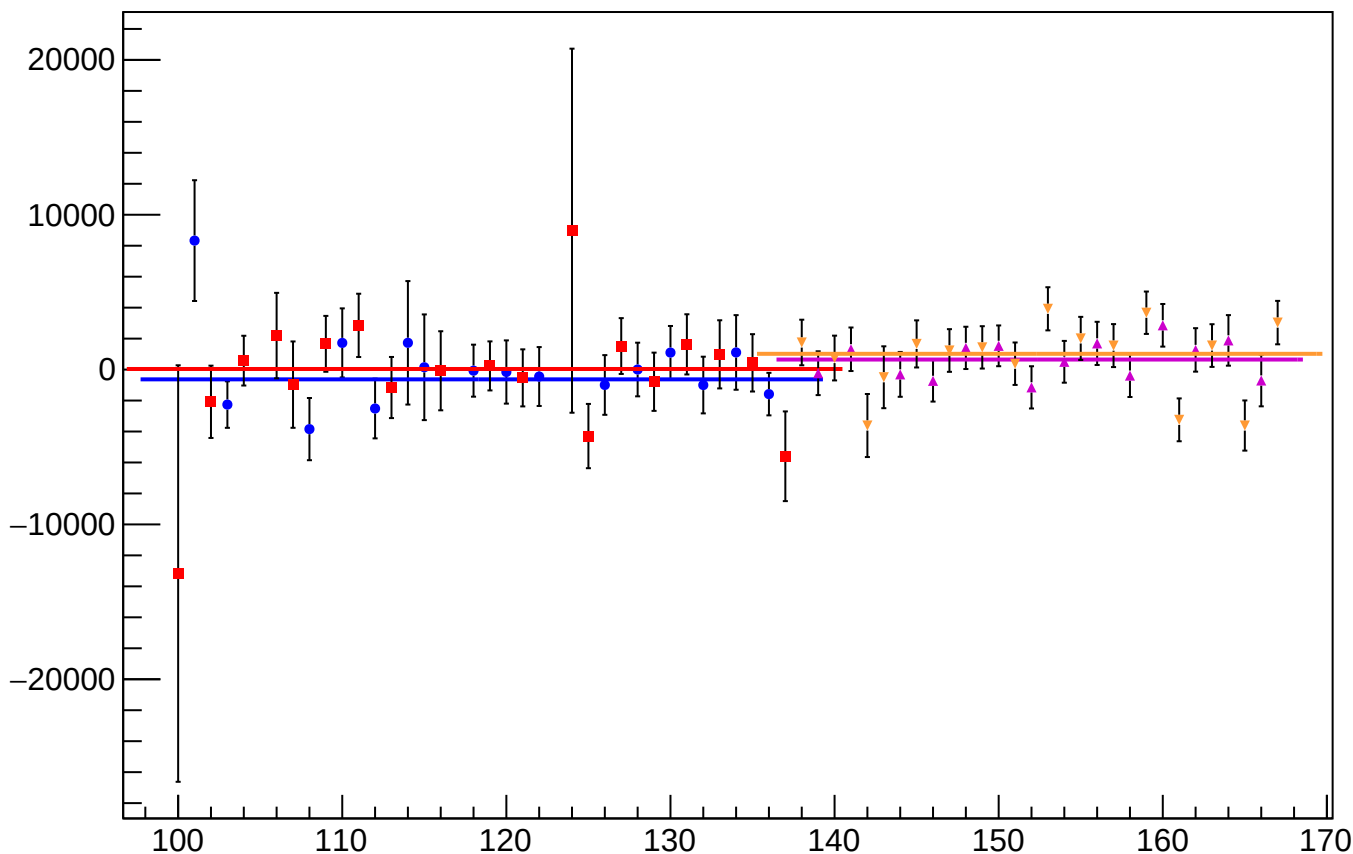
Left In: 4038.847 ± 0.857 $\chi^2/\text{NDF}: 727705.7/13$

+ sign 3443.369 ± 0.573 $\chi^2/\text{NDF}: 3114949.0/31$

All: 3506.196 ± 0.414 $\chi^2/\text{NDF}: 5090089.3/64$

- sign 3574.856 ± 0.599 $\chi^2/\text{NDF}: 1949948.0/32$

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: 1018.118 ± 365.671 χ^2/NDF : 35.2/15

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

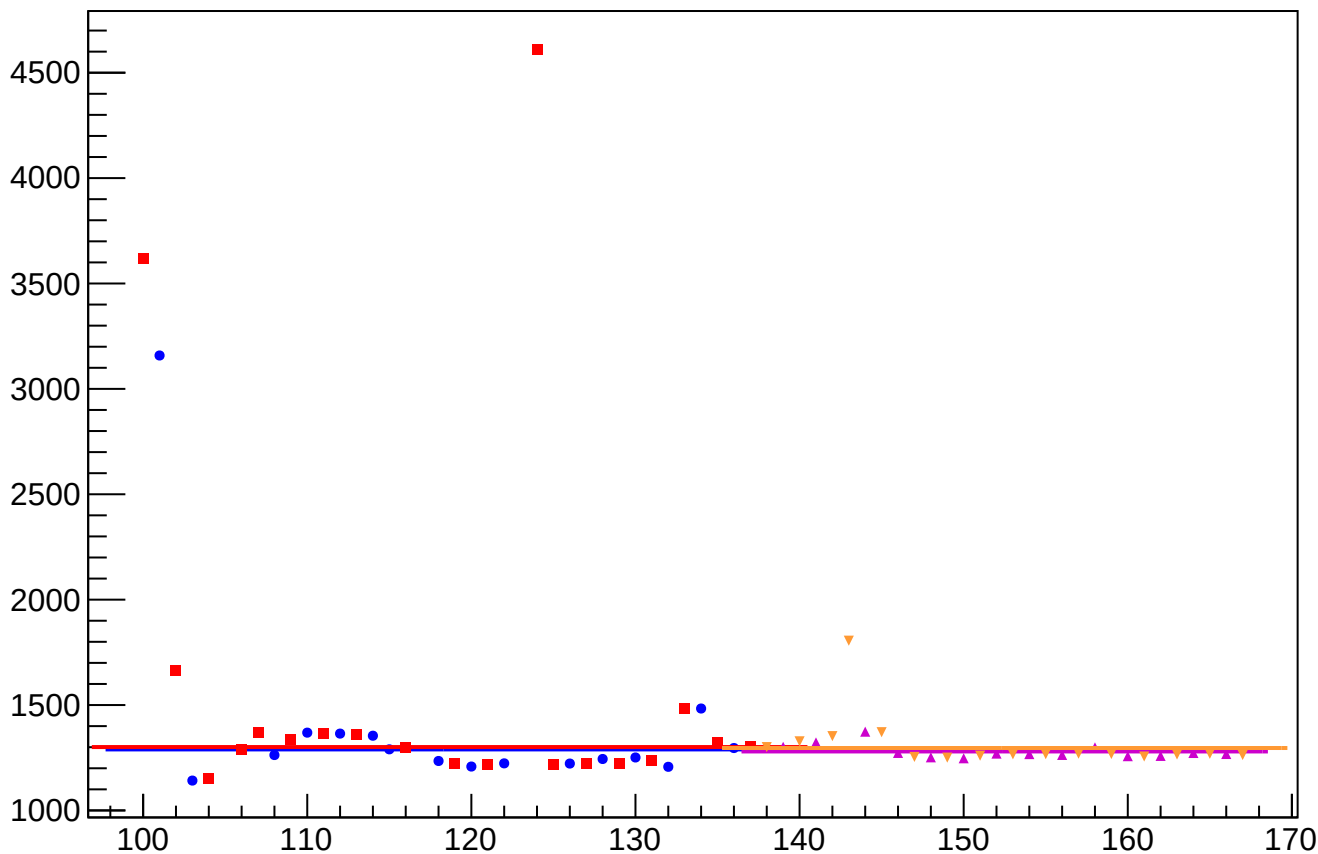
Left In: 648.119 ± 376.741 χ^2/NDF : 9.7/13

+ sign 425.997 ± 292.774 χ^2/NDF : 56.4/31

All: 423.330 ± 208.926 χ^2/NDF : 83.4/64

- sign 420.562 ± 298.232 χ^2/NDF : 27.0/32

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: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

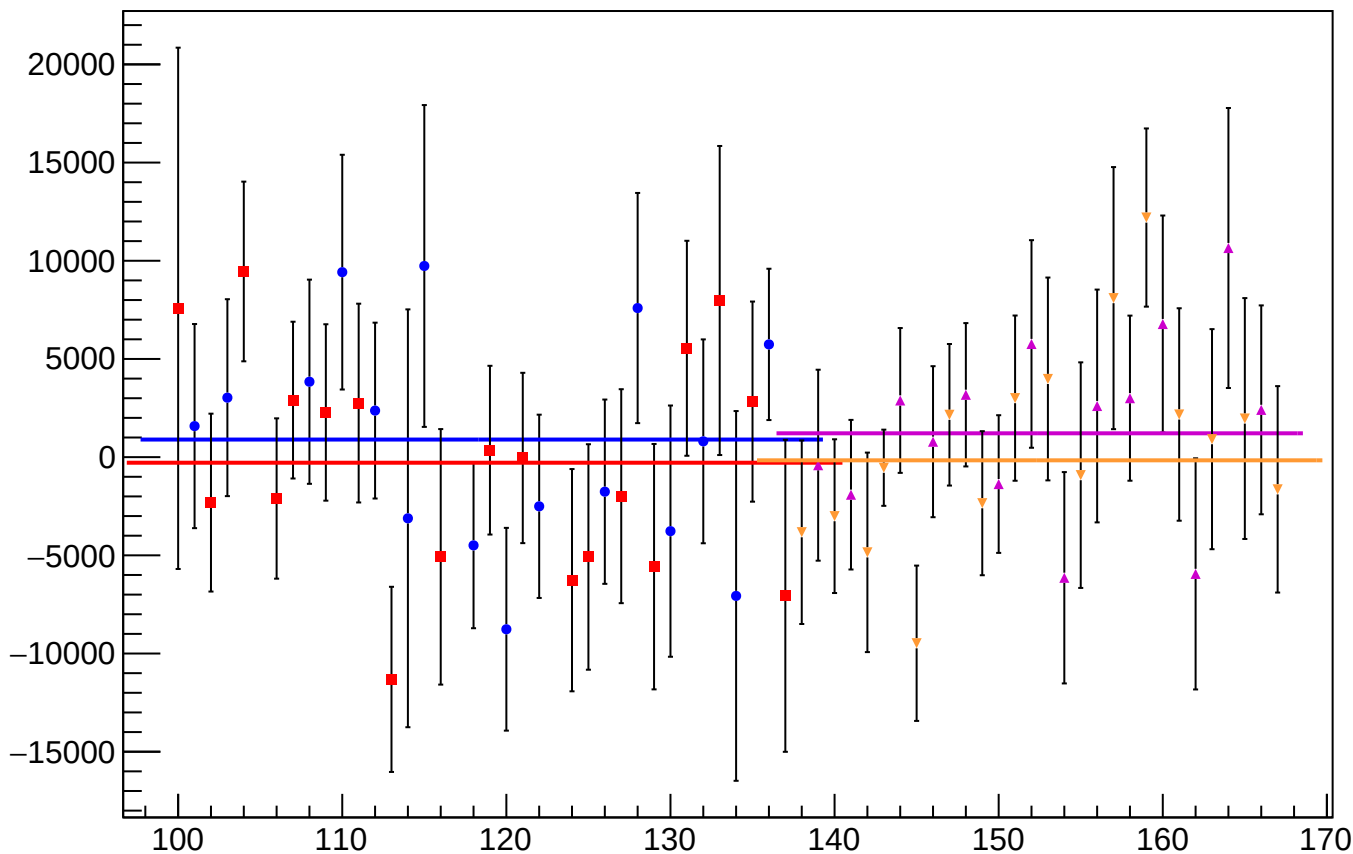
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665502.1/31

All: 1290.742 $\pm$ 0.148 χ^2 /NDF: 1009056.0/64

- sign 1287.629 $\pm$ 0.211 χ^2 /NDF: 343125.1/32

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -161.836 ± 1023.261 χ^2/NDF : 19.0/15

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

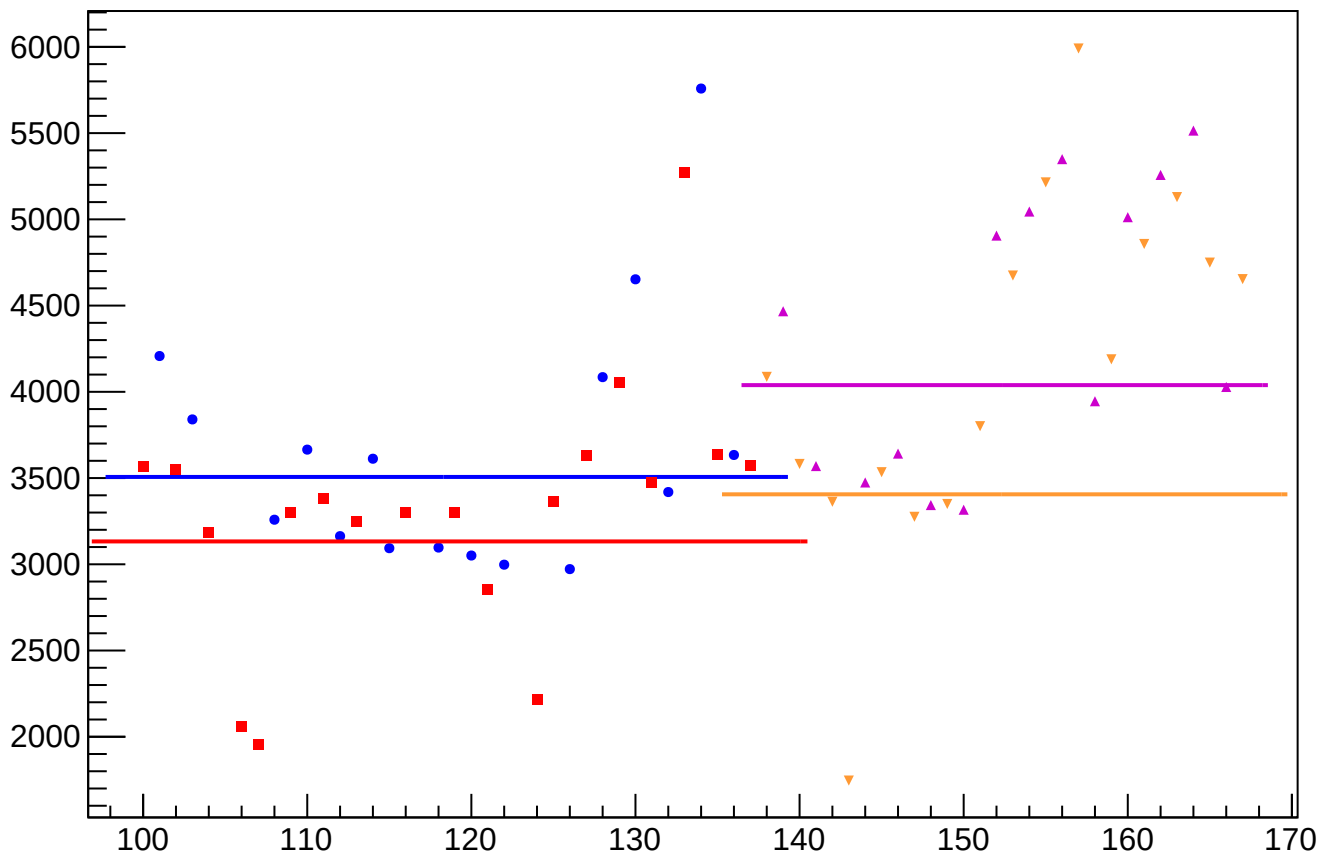
Left In: 1214.227 ± 1211.878 χ^2/NDF : 9.0/13

+ sign 233.436 ± 809.829 χ^2/NDF : 33.4/31

All: 335.565 ± 585.202 χ^2/NDF : 61.9/64

- sign 447.177 ± 846.595 χ^2/NDF : 28.4/32

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 3506.484 ± 0.937 $\chi^2/\text{NDF}: 353237.7/15$

Left Out: 3405.717 ± 0.724 $\chi^2/\text{NDF}: 2754464.2/15$

Right Out: 3132.586 ± 0.837 $\chi^2/\text{NDF}: 649611.1/18$

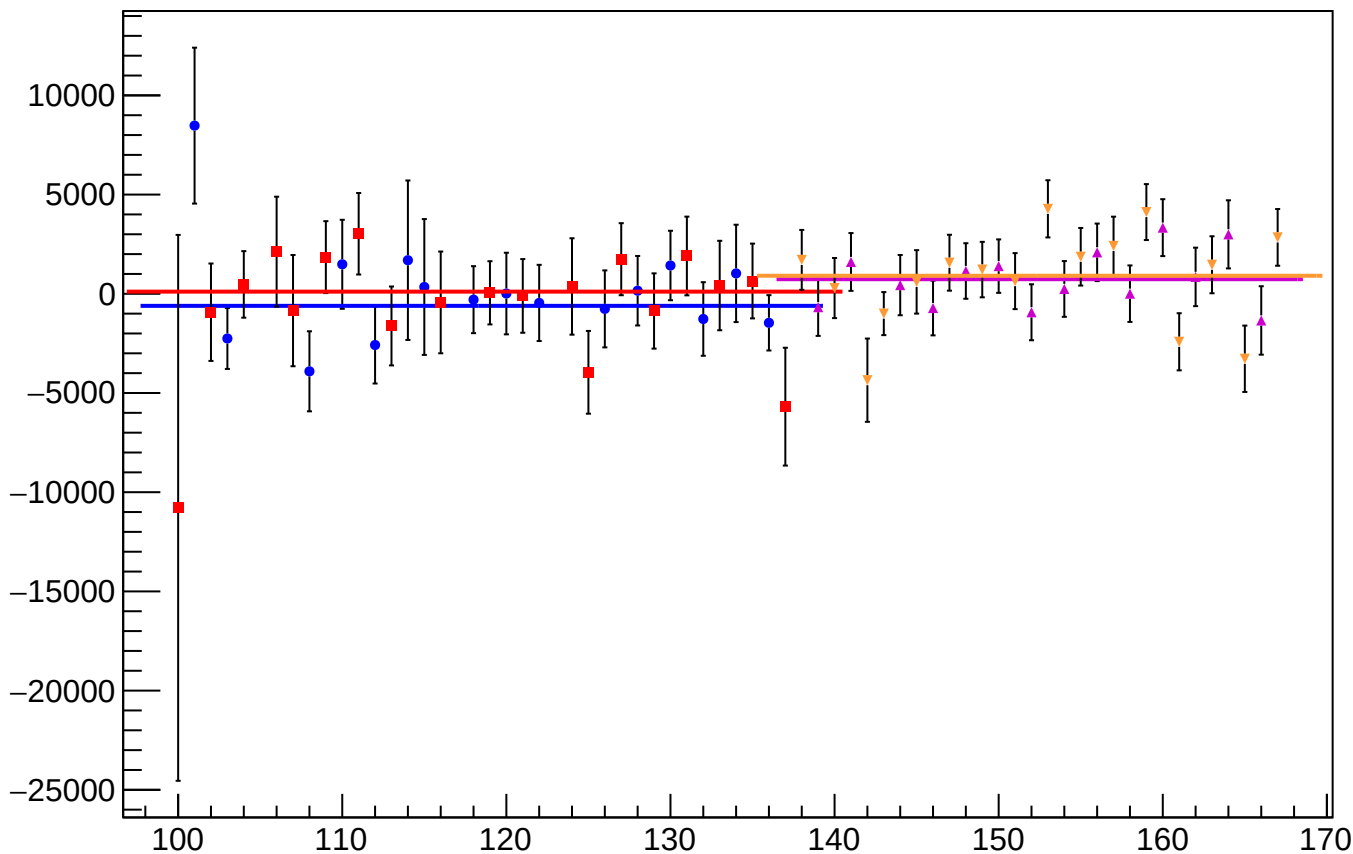
Left In: 4038.847 ± 0.857 $\chi^2/\text{NDF}: 727705.7/13$

+ sign 3443.369 ± 0.573 $\chi^2/\text{NDF}: 3114949.0/31$

All: 3506.196 ± 0.414 $\chi^2/\text{NDF}: 5090089.3/64$

- sign 3574.856 ± 0.599 $\chi^2/\text{NDF}: 1949948.0/32$

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 908.293 ± 362.846 χ^2/NDF : 35.9/15

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

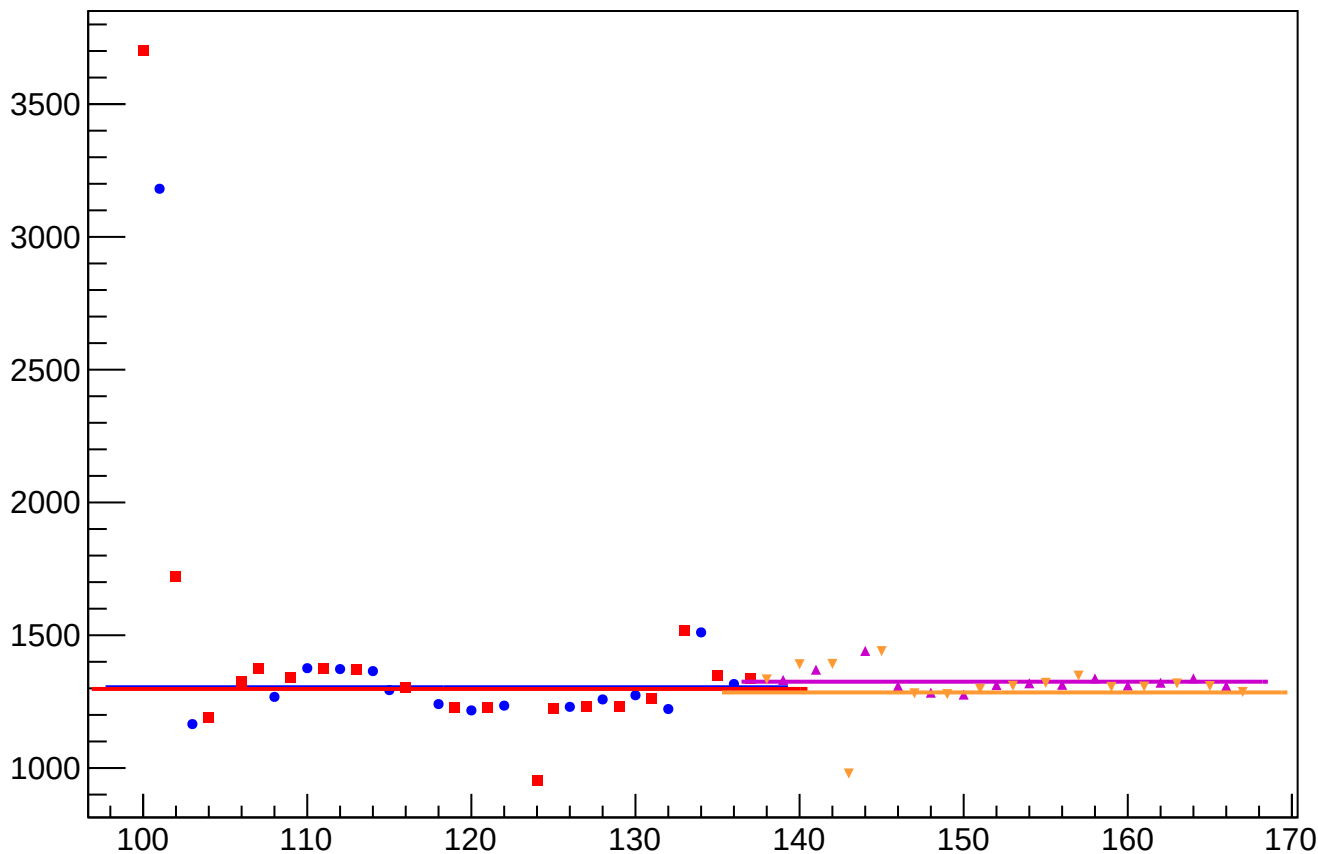
Left In: 735.092 ± 390.137 χ^2/NDF : 11.9/13

+ sign 377.240 ± 292.475 χ^2/NDF : 56.1/31

All: 431.089 ± 210.810 χ^2/NDF : 84.0/64

- sign 489.313 ± 304.127 χ^2/NDF : 27.8/32

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: 1284.622 $\pm$ 0.257 χ^2 /NDF: 203050.2/15

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

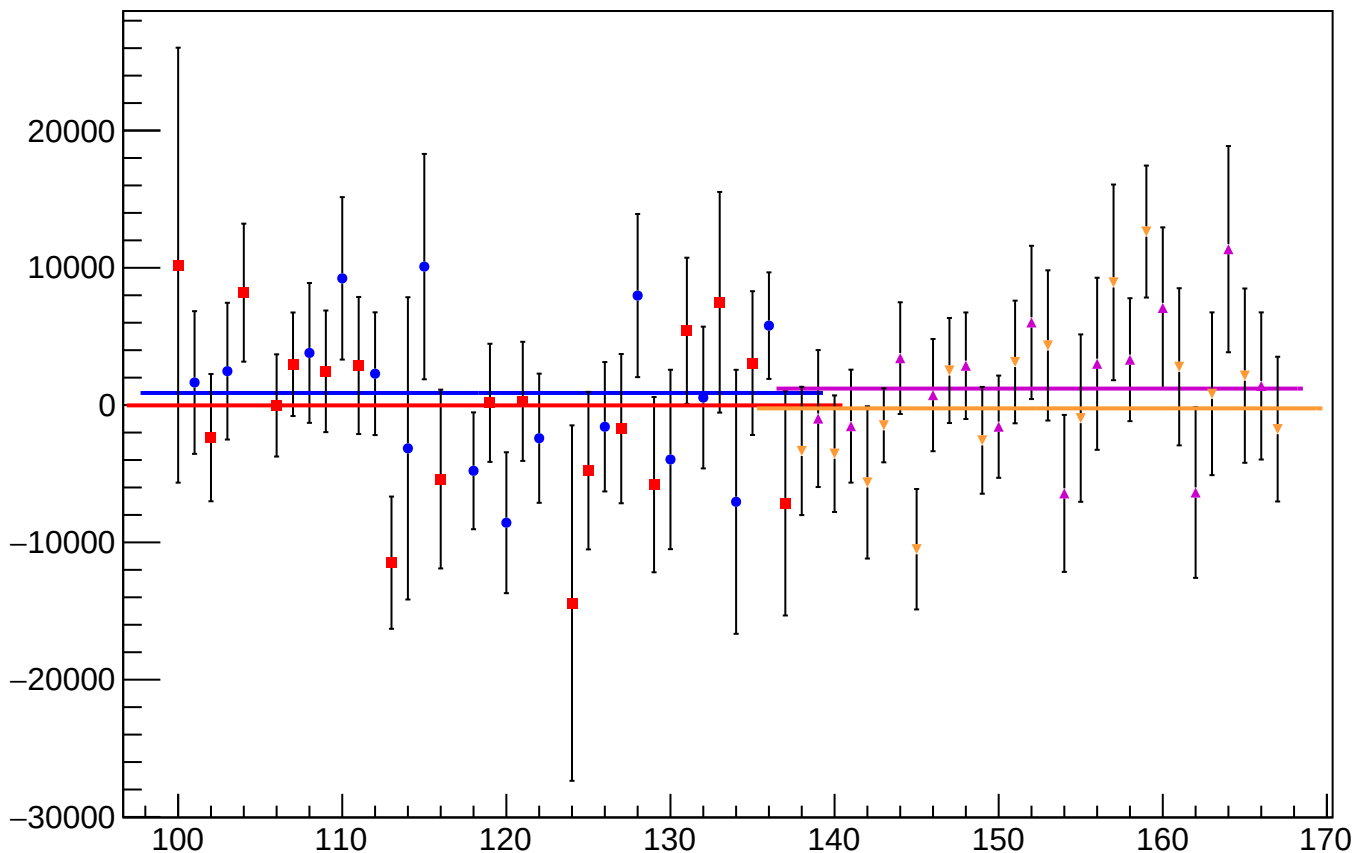
Left In: 1325.084 $\pm$ 0.276 χ^2 /NDF: 19191.5/13

+ sign 1291.445 $\pm$ 0.207 χ^2 /NDF: 715658.8/31

All: 1302.463 $\pm$ 0.149 χ^2 /NDF: 957694.1/64

- sign 1314.369 $\pm$ 0.215 χ^2 /NDF: 236130.4/32

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: 884.058 ± 1327.399 χ^2/NDF : 14.1/15

Left Out: -237.054 ± 1154.094 χ^2/NDF : 19.2/15

Right Out: -20.681 ± 1200.015 χ^2/NDF : 16.8/18

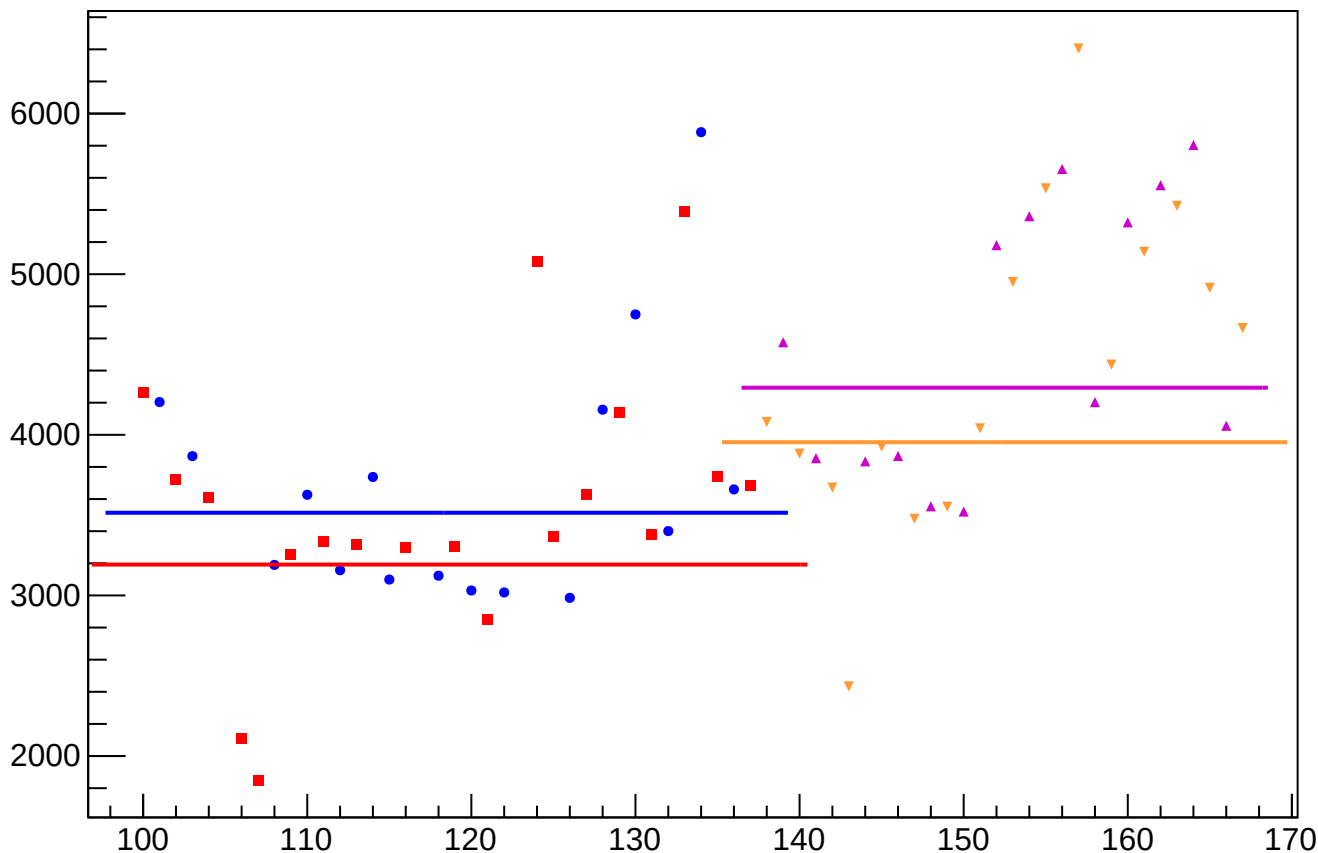
Left In: 1203.062 ± 1287.115 χ^2/NDF : 8.8/13

+ sign 245.585 ± 870.940 χ^2/NDF : 33.7/31

All: 395.813 ± 618.229 χ^2/NDF : 59.9/64

- sign 548.387 ± 877.717 χ^2/NDF : 26.1/32

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746 $\pm$ 0.939 χ^2 /NDF: 375078.6/15

Left Out: 3954.074 $\pm$ 0.816 χ^2 /NDF: 1444498.7/15

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

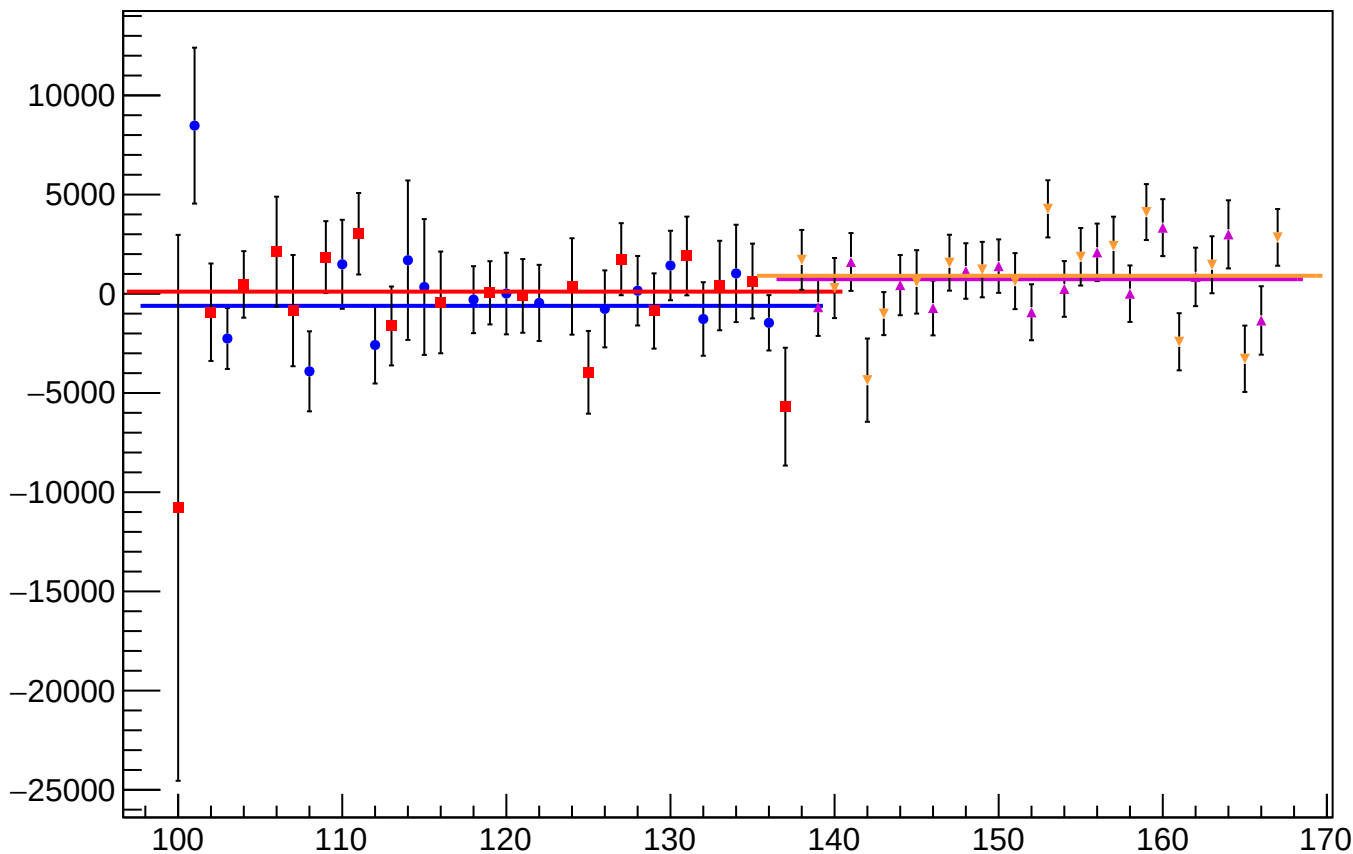
Left In: 4293.404 $\pm$ 0.910 χ^2 /NDF: 678584.3/13

+ sign 3764.943 $\pm$ 0.616 χ^2 /NDF: 1944344.1/31

All: 3734.850 $\pm$ 0.437 χ^2 /NDF: 4183420.4/64

- sign 3704.287 $\pm$ 0.621 χ^2 /NDF: 2234263.4/32

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.834 $\pm$ 494.182 χ^2/NDF : 14.1/15

Left Out: 908.299 $\pm$ 362.846 χ^2/NDF : 35.9/15

Right Out: 108.619 $\pm$ 485.553 χ^2/NDF : 14.9/18

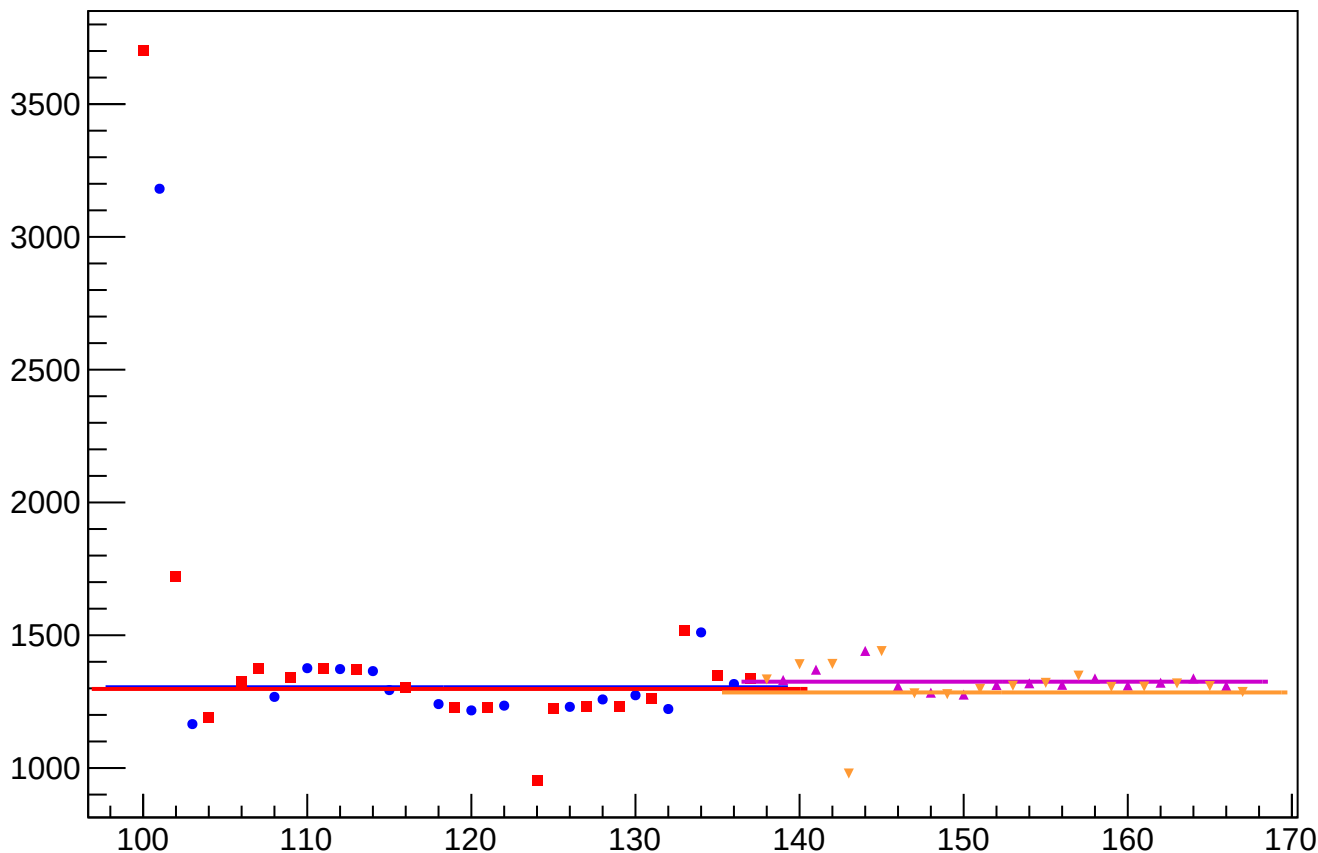
Left In: 735.094 $\pm$ 390.138 χ^2/NDF : 11.9/13

+ sign 377.242 $\pm$ 292.475 χ^2/NDF : 56.1/31

All: 431.091 $\pm$ 210.810 χ^2/NDF : 84.0/64

- sign 489.316 $\pm$ 304.128 χ^2/NDF : 27.8/32

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF : 510589.6/15

Left Out: 1284.623+/-0.257 χ^2/NDF : 203050.9/15

Right Out: 1297.796+/-0.343 χ^2/NDF : 213097.0/18

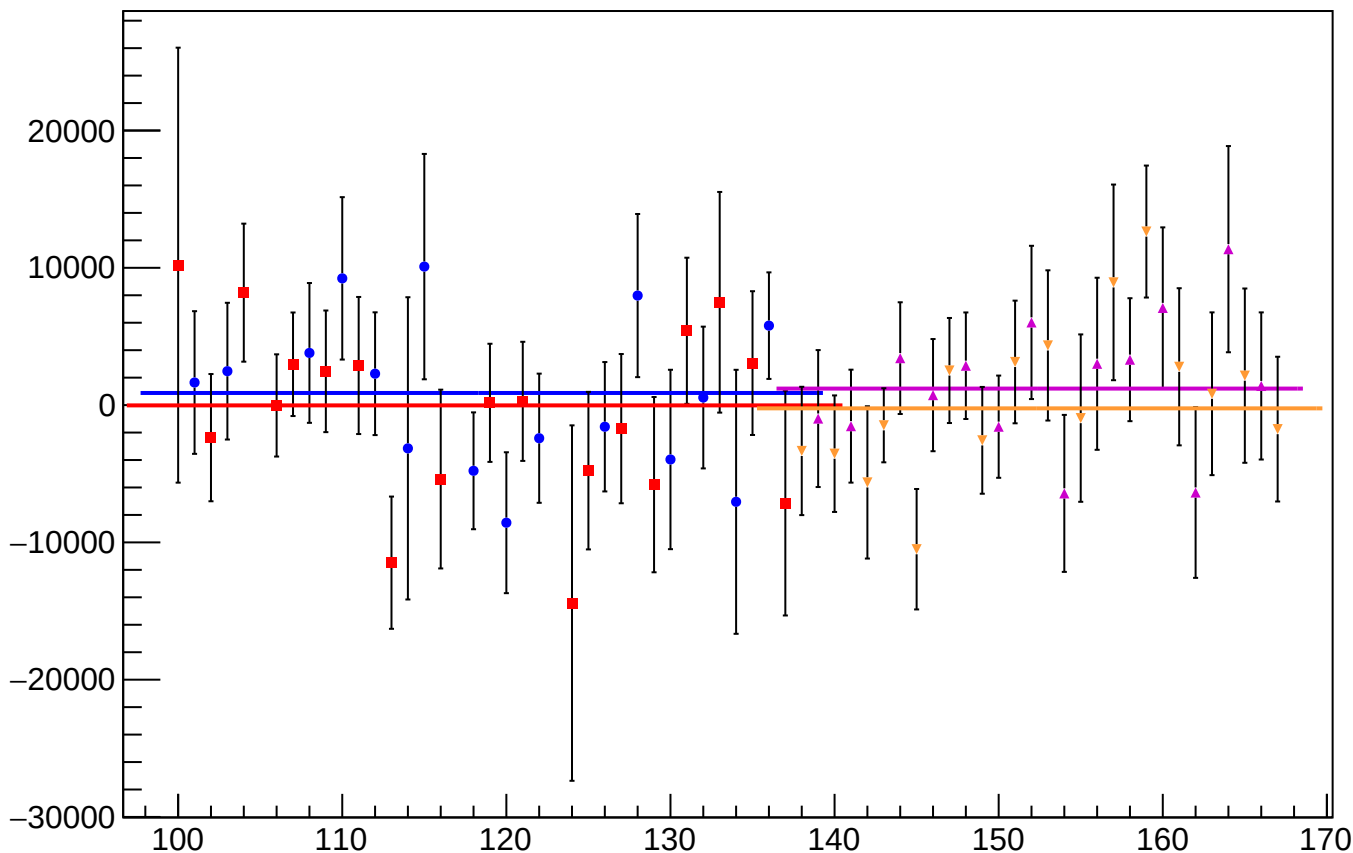
Left In: 1325.085+/-0.276 χ^2/NDF : 19191.6/13

+ sign 1291.446+/-0.207 χ^2/NDF : 715659.4/31

All: 1302.464+/-0.149 χ^2/NDF : 957695.3/64

- sign 1314.369+/-0.215 χ^2/NDF : 236131.0/32

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047+/-1327.396 χ^2/NDF : 14.1/15

Left Out: -237.050+/-1154.096 χ^2/NDF : 19.2/15

Right Out: -20.677+/-1200.012 χ^2/NDF : 16.8/18

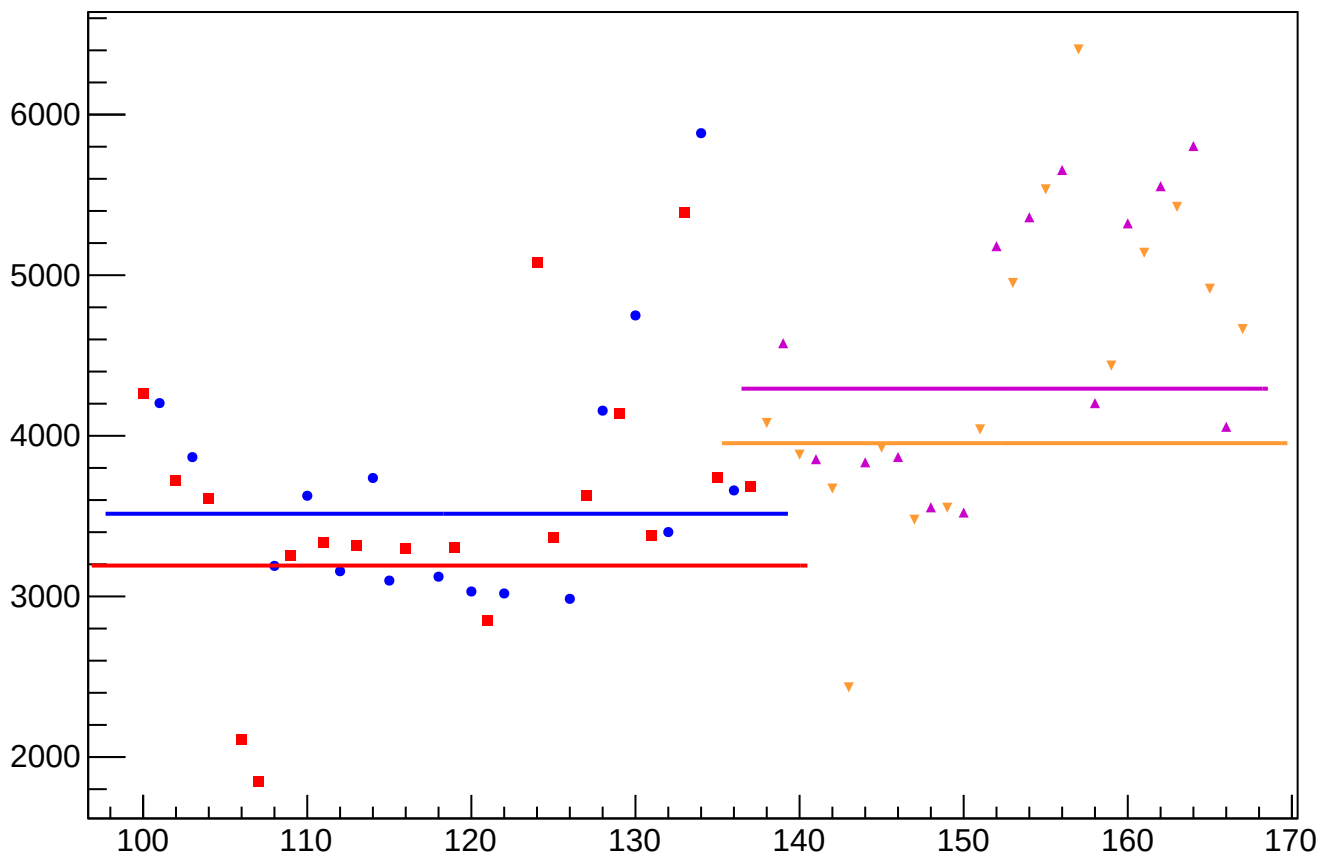
Left In: 1203.061+/-1287.117 χ^2/NDF : 8.8/13

+ sign 245.585+/-870.940 χ^2/NDF : 33.7/31

All: 395.812+/-618.229 χ^2/NDF : 59.9/64

- sign 548.387+/-877.716 χ^2/NDF : 26.1/32

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: 3954.080 $\pm$ 0.816 χ^2 /NDF: 1444500.9/15

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

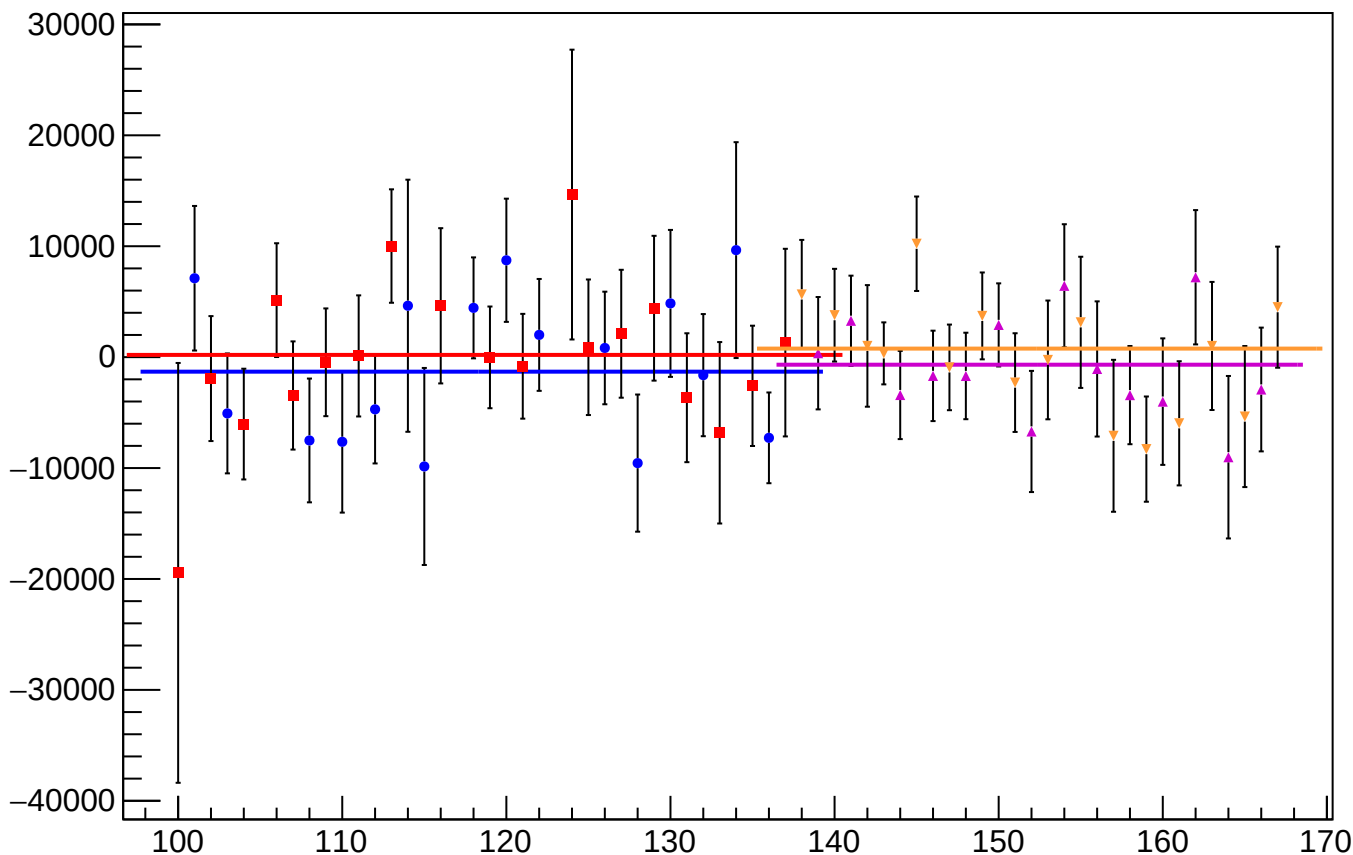
Left In: 4293.410 $\pm$ 0.910 χ^2 /NDF: 678585.8/13

+ sign 3764.942 $\pm$ 0.616 χ^2 /NDF: 1944359.2/31

All: 3734.847 $\pm$ 0.437 χ^2 /NDF: 4183460.0/64

- sign 3704.283 $\pm$ 0.621 χ^2 /NDF: 2234287.7/32

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 770.252 ± 1156.771 χ^2/NDF : 15.7/15

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

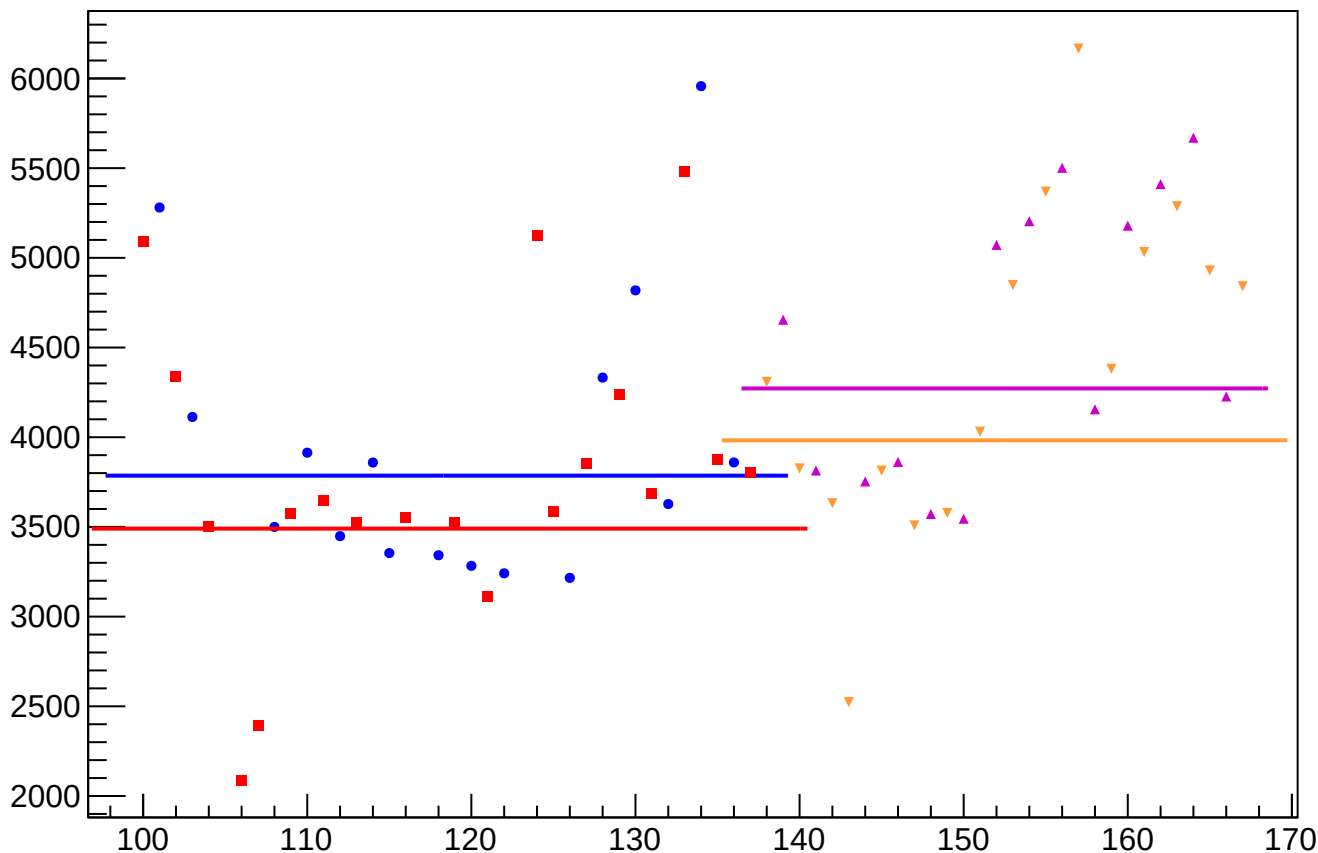
Left In: -681.934 ± 1277.622 χ^2/NDF : 9.2/13

+ sign -51.186 ± 899.759 χ^2/NDF : 34.6/31

All: -152.846 ± 644.416 χ^2/NDF : 55.7/64

- sign -259.915 ± 923.384 χ^2/NDF : 21.1/32

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF :1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

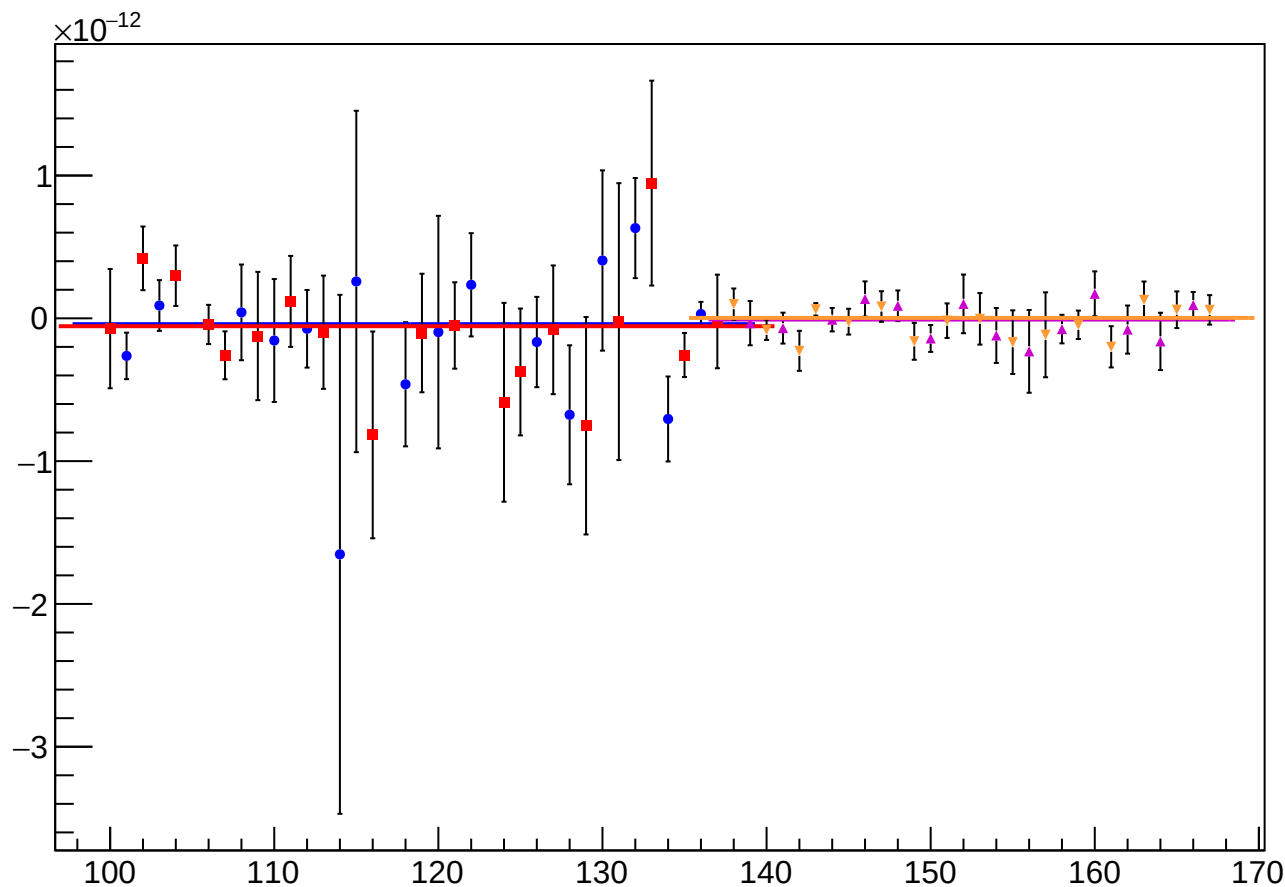
Left In: 4271.917+/-0.903 χ^2/NDF :606988.2/13

+ sign 3904.855+/-0.636 χ^2/NDF : 1671999.2/31

All: 3899.224+/-0.454 χ^2/NDF : 3228241.3/64

- sign 3893.371+/-0.649 χ^2/NDF : 1556082.3/32

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:13.4/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 15.9/18

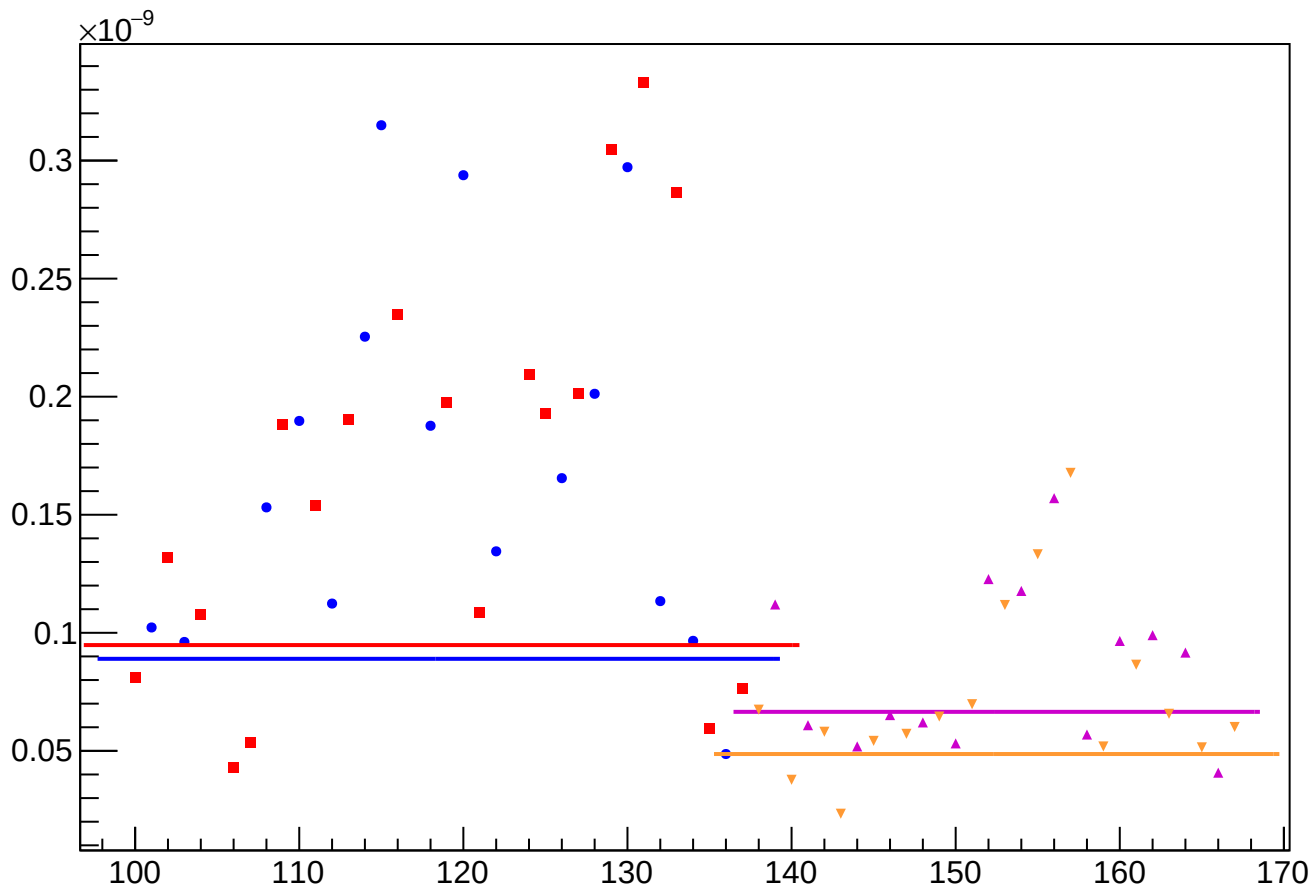
Left In: -0.000+/-0.000 χ^2 /NDF:9.4/13

+ sign -0.000+/-0.000 χ^2 /NDF: 30.5/31

All: -0.000+/-0.000 χ^2 /NDF: 56.4/64

- sign -0.000+/-0.000 χ^2 /NDF: 25.7/32

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 : 1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

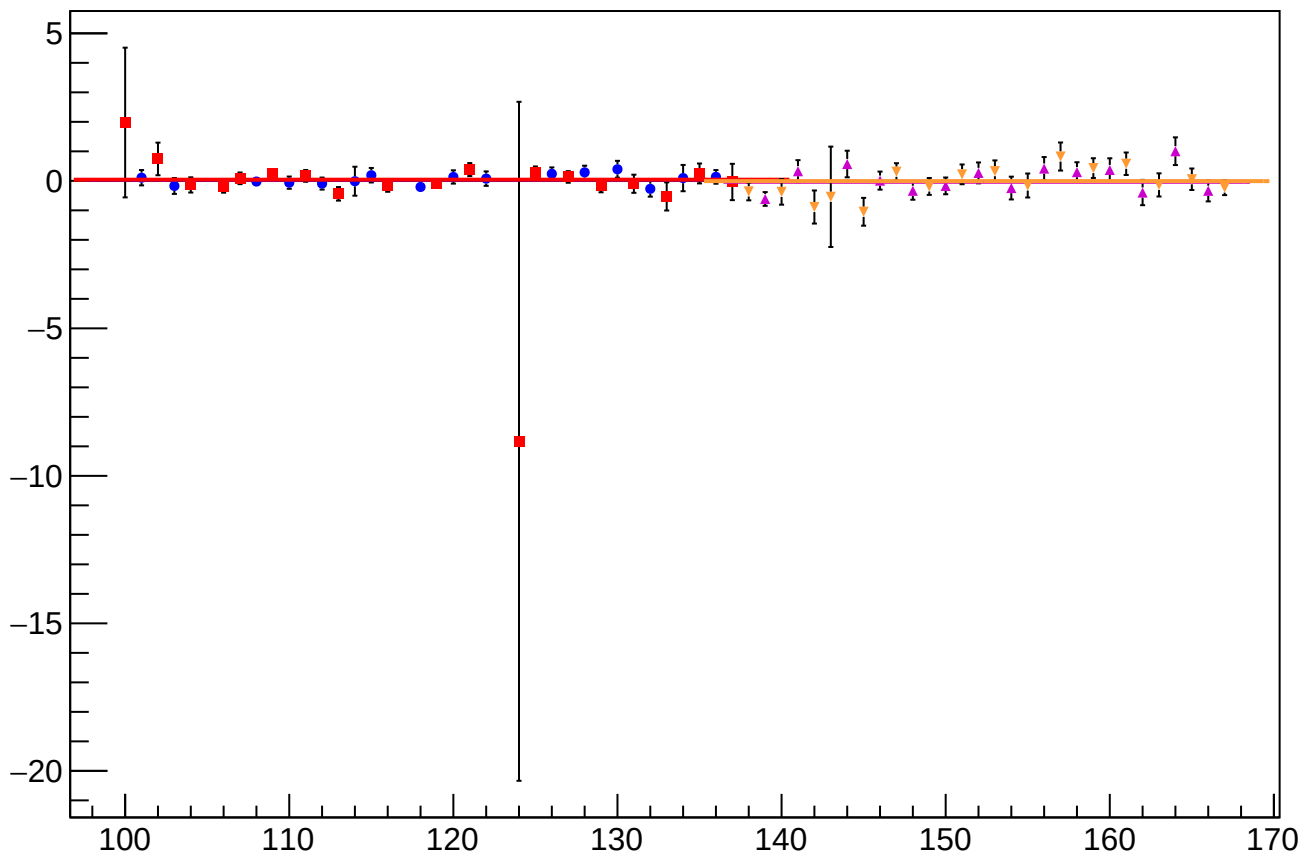
Left In: 0.000+/-0.000 χ^2/NDF : 1128190.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 4195488.6/31

All: 0.000+/-0.000 χ^2/NDF : 7820335.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3171919.7/32

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

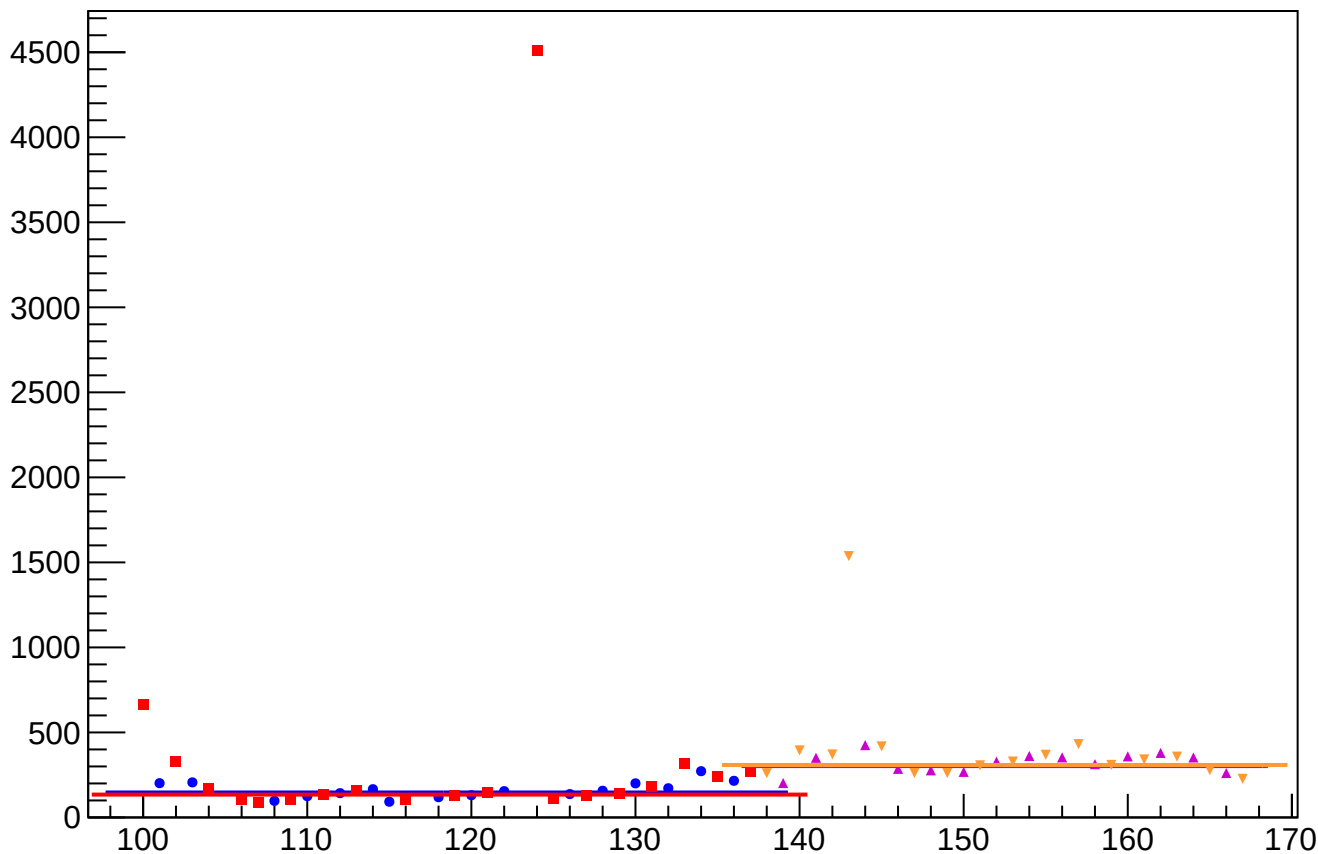
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2/NDF : 998704.7/15

Left Out: 308.672 $\pm$ 0.064 χ^2/NDF : 1856686.7/15

Right Out: 134.505 $\pm$ 0.039 χ^2/NDF : 1606383.2/18

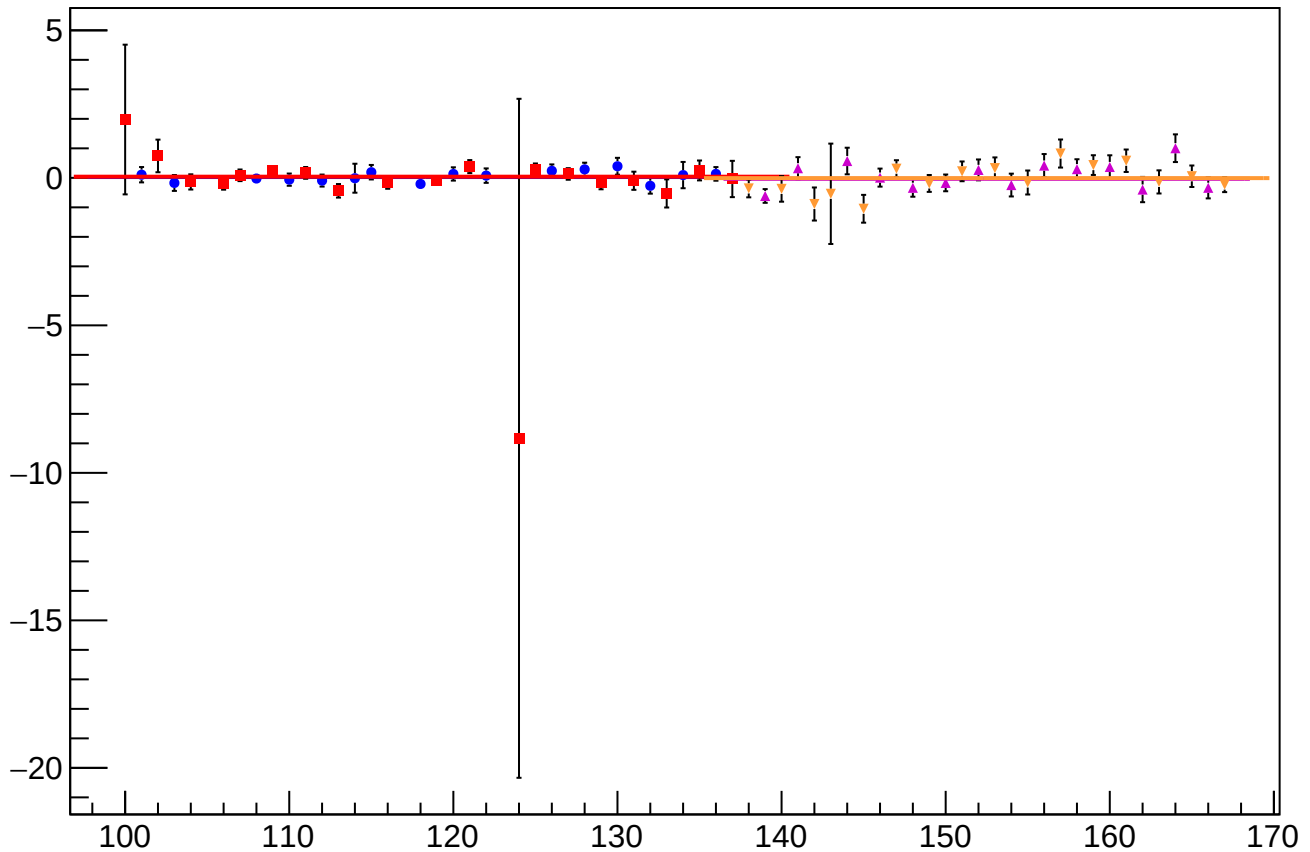
Left In: 302.097 $\pm$ 0.065 χ^2/NDF : 849625.7/13

+ sign 193.213 $\pm$ 0.034 χ^2/NDF : 7364639.7/31

All: 185.611 $\pm$ 0.024 χ^2/NDF : 14832301.6/64

- sign 178.530 $\pm$ 0.033 χ^2/NDF : 7373675.3/32

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: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

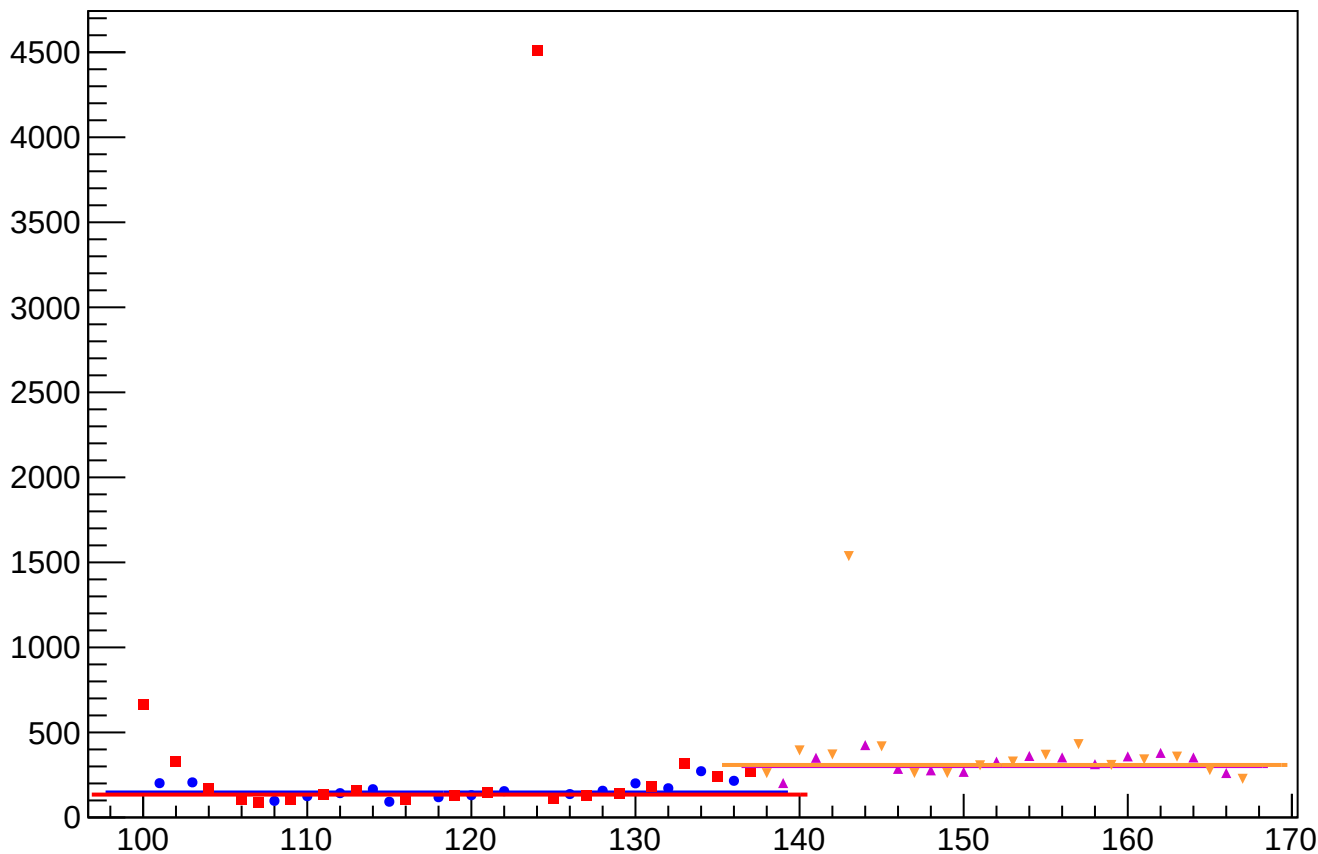
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 308.672 $\pm$ 0.064 χ^2 /NDF: 1856686.7/15

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

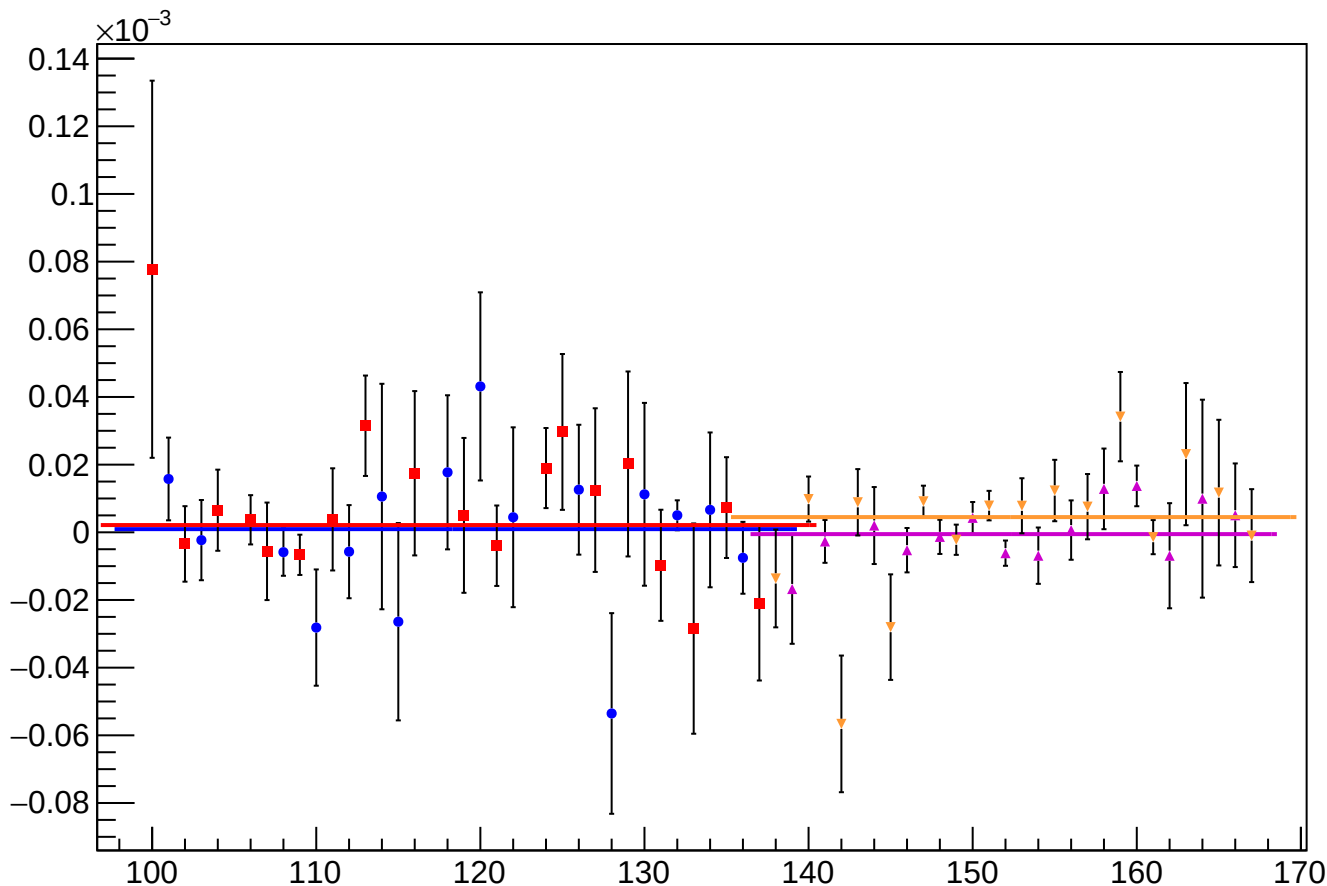
Left In: 302.097 $\pm$ 0.065 χ^2 /NDF: 849625.7/13

+ sign 193.213 $\pm$ 0.034 χ^2 /NDF: 7364639.7/31

All: 185.611 $\pm$ 0.024 χ^2 /NDF: 14832301.6/64

- sign 178.530 $\pm$ 0.033 χ^2 /NDF: 7373675.3/32

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:28.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

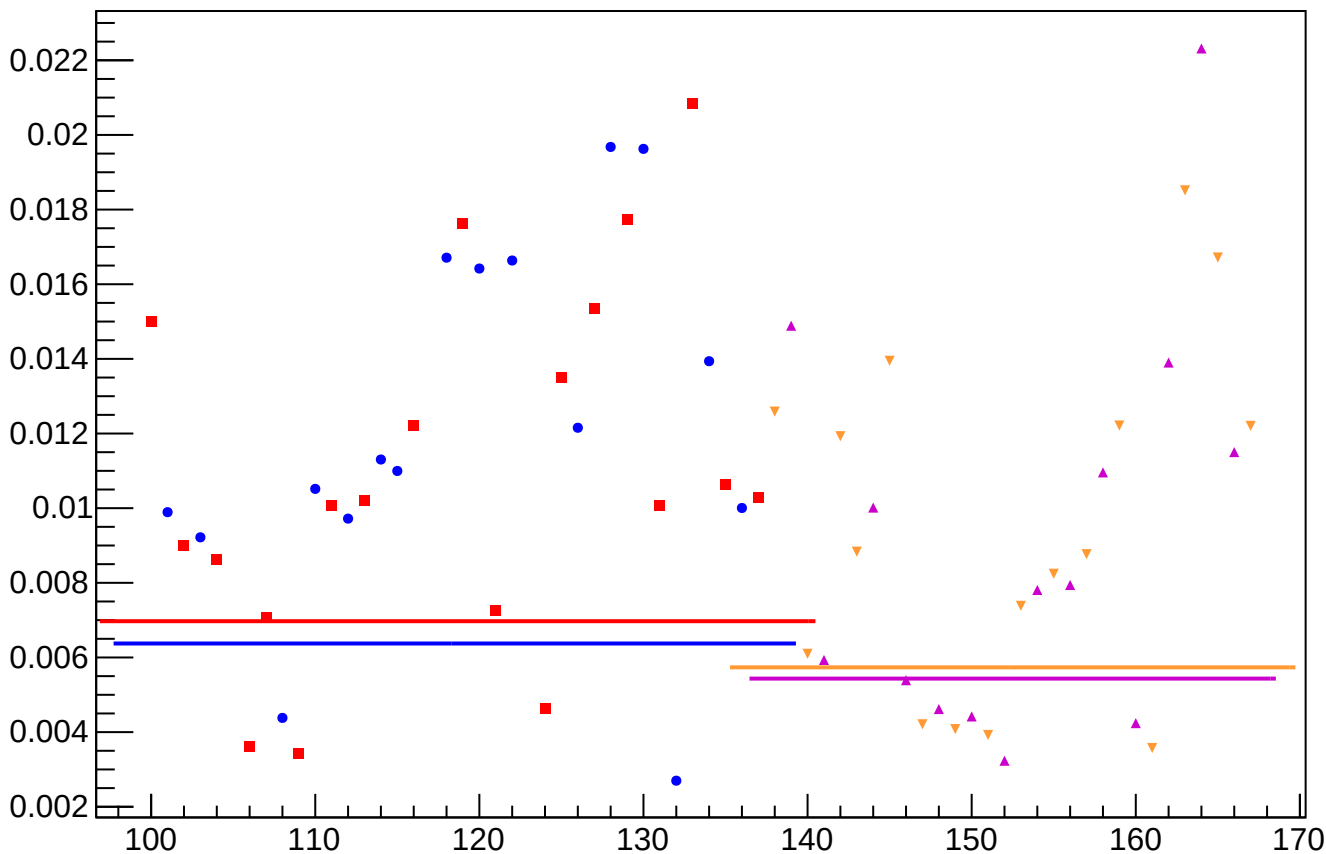
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.2/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 75.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/32

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: 0.006+/-0.000 χ^2/NDF : 5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

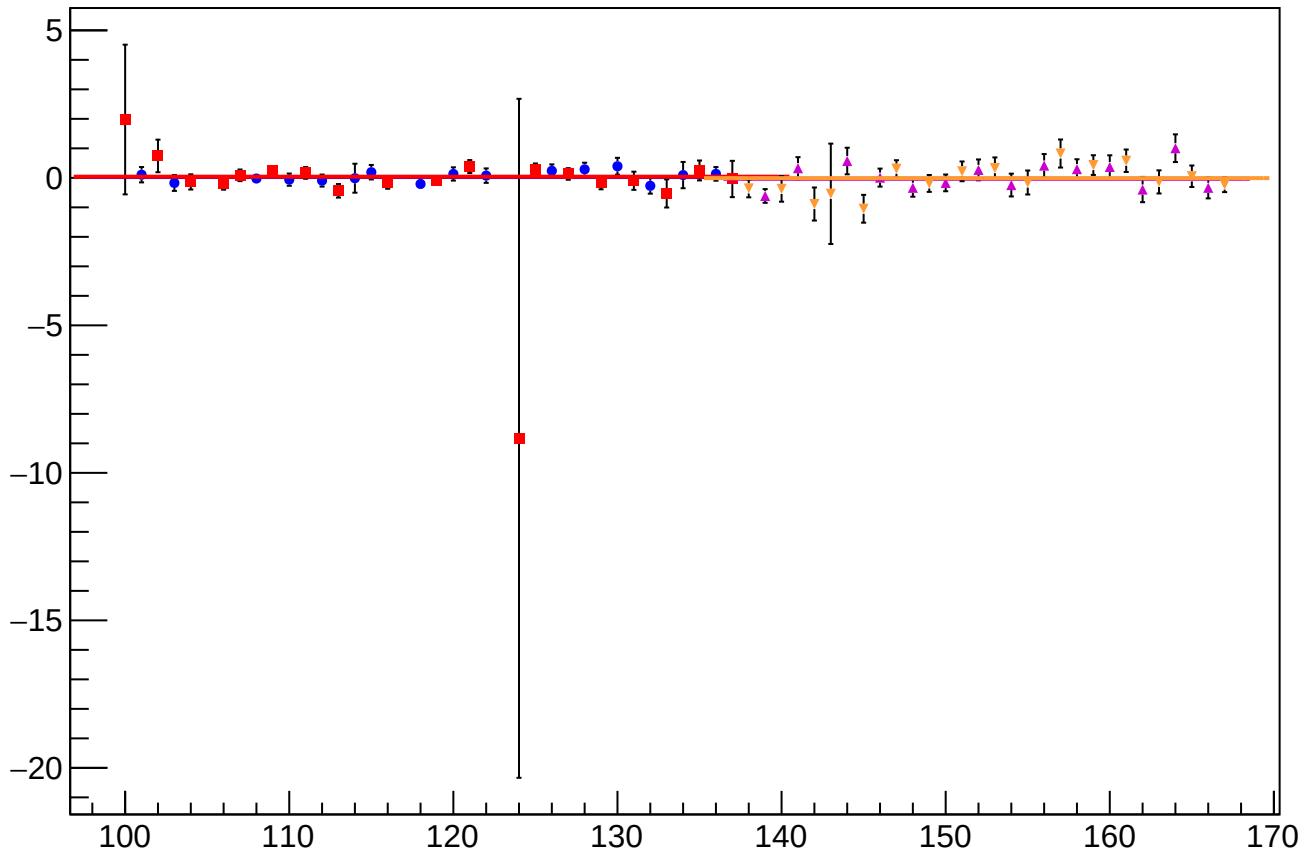
Left In: 0.005+/-0.000 χ^2/NDF : 4269470.8/13

+ sign 0.006+/-0.000 χ^2/NDF : 9927954.7/31

All: 0.006+/-0.000 χ^2/NDF : 17985534.8/64

- sign 0.006+/-0.000 χ^2/NDF : 8056075.7/32

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

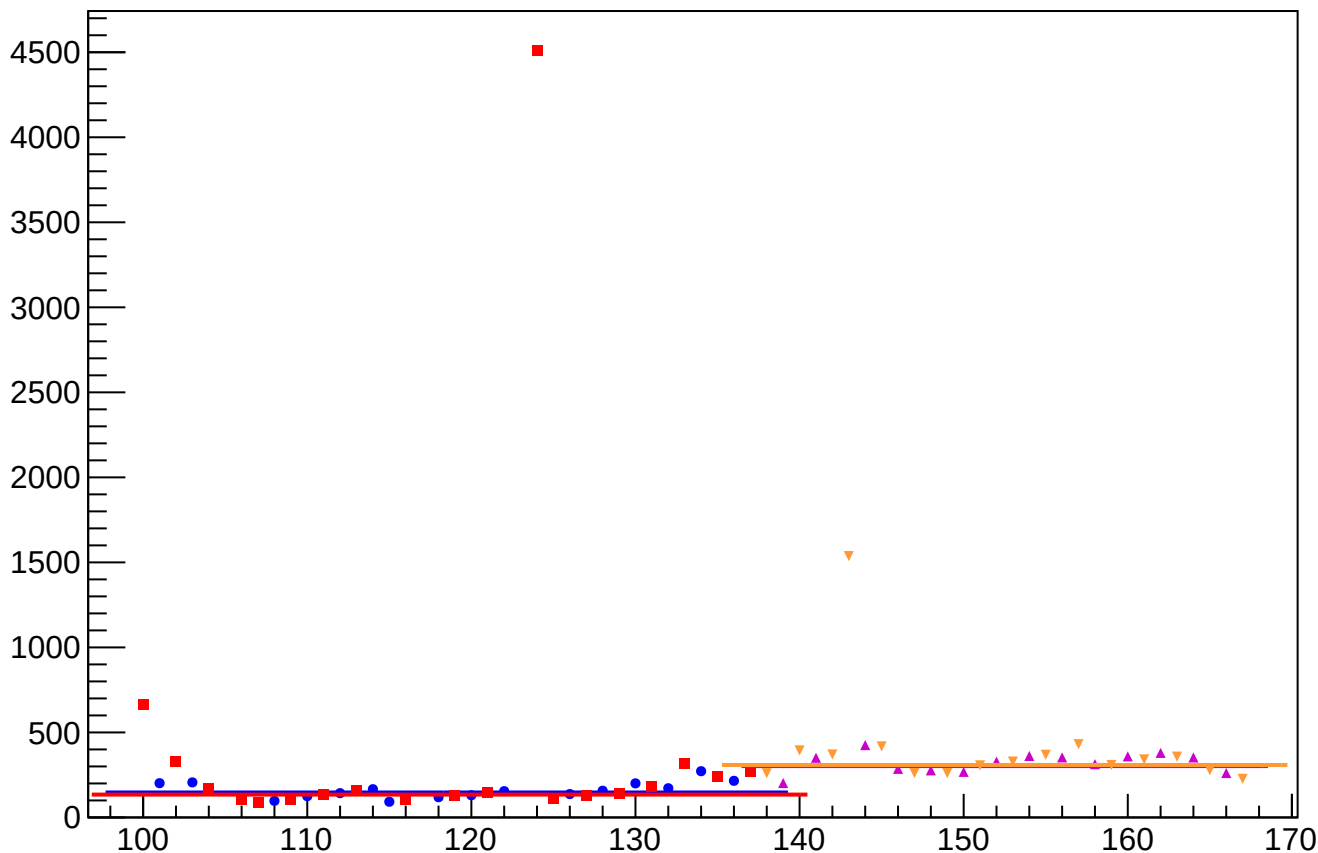
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998646.8/15

Left Out: 308.676 $\pm$ 0.064 χ^2 /NDF: 1856703.9/15

Right Out: 134.506 $\pm$ 0.039 χ^2 /NDF: 1606310.4/18

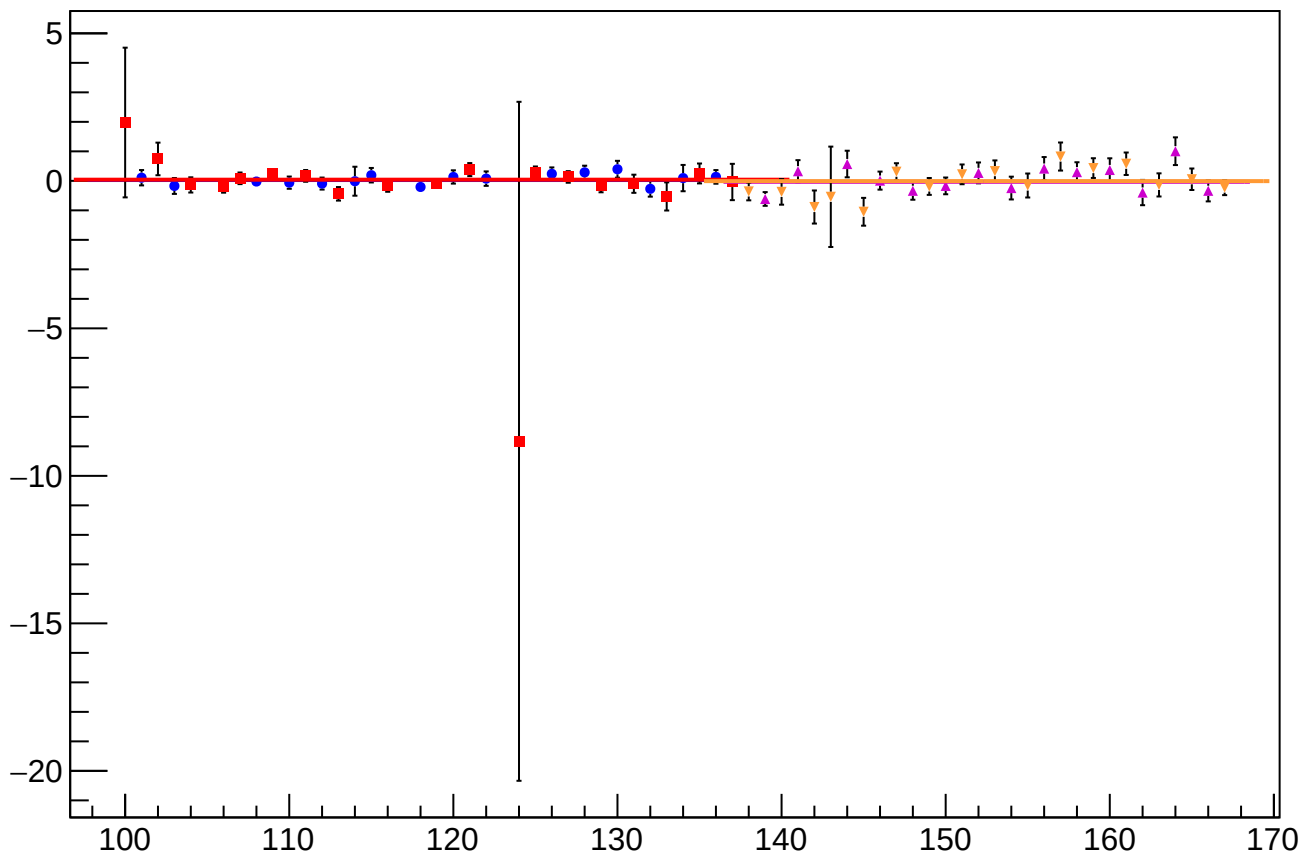
Left In: 302.102 $\pm$ 0.065 χ^2 /NDF: 849621.2/13

+ sign 193.213 $\pm$ 0.034 χ^2 /NDF: 7364748.7/31

All: 185.612 $\pm$ 0.024 χ^2 /NDF: 14832371.8/64

- sign 178.531 $\pm$ 0.033 χ^2 /NDF: 7373656.2/32

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

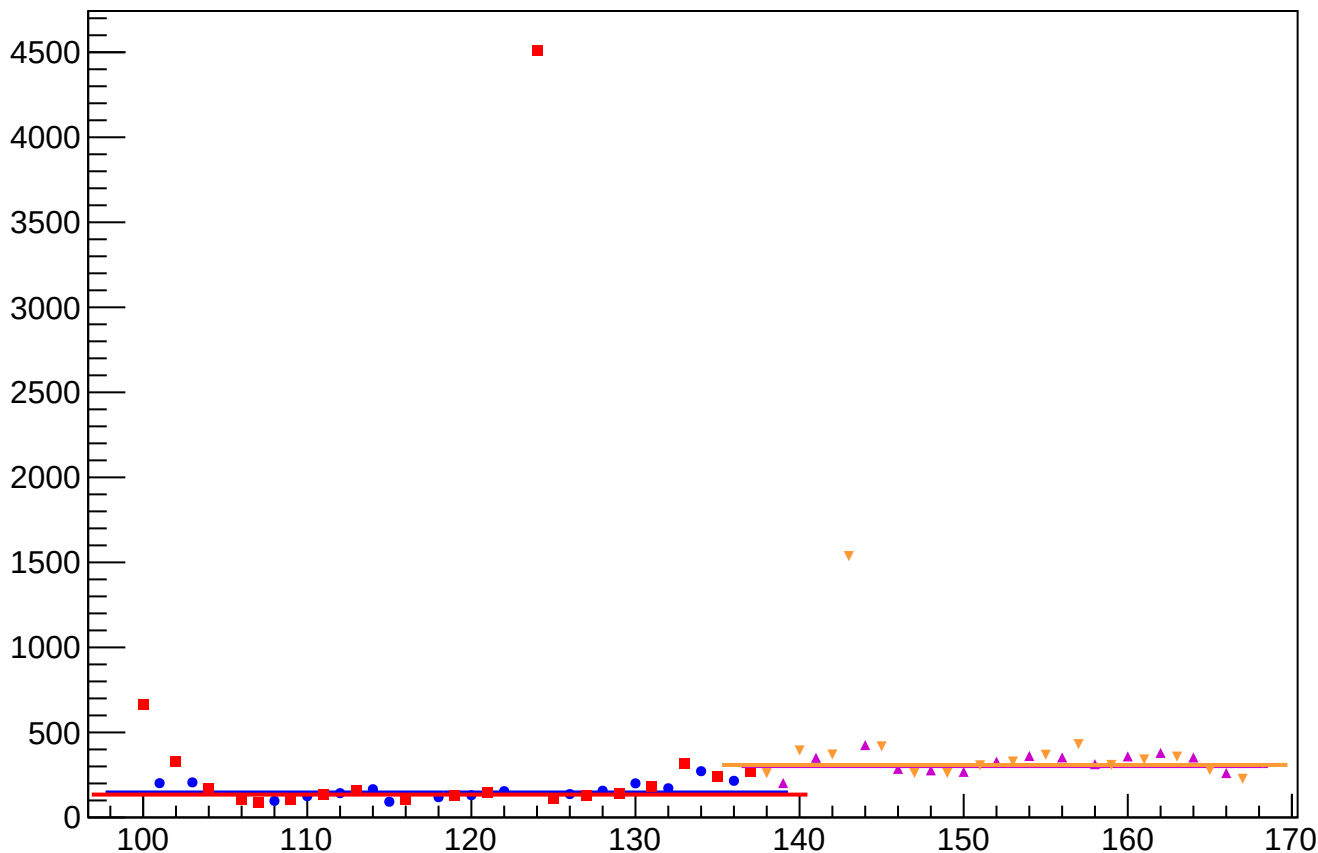
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

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: 308.676 $\pm$ 0.064 χ^2/NDF : 1856703.9/15

Right Out: 134.506 $\pm$ 0.039 χ^2/NDF : 1606310.4/18

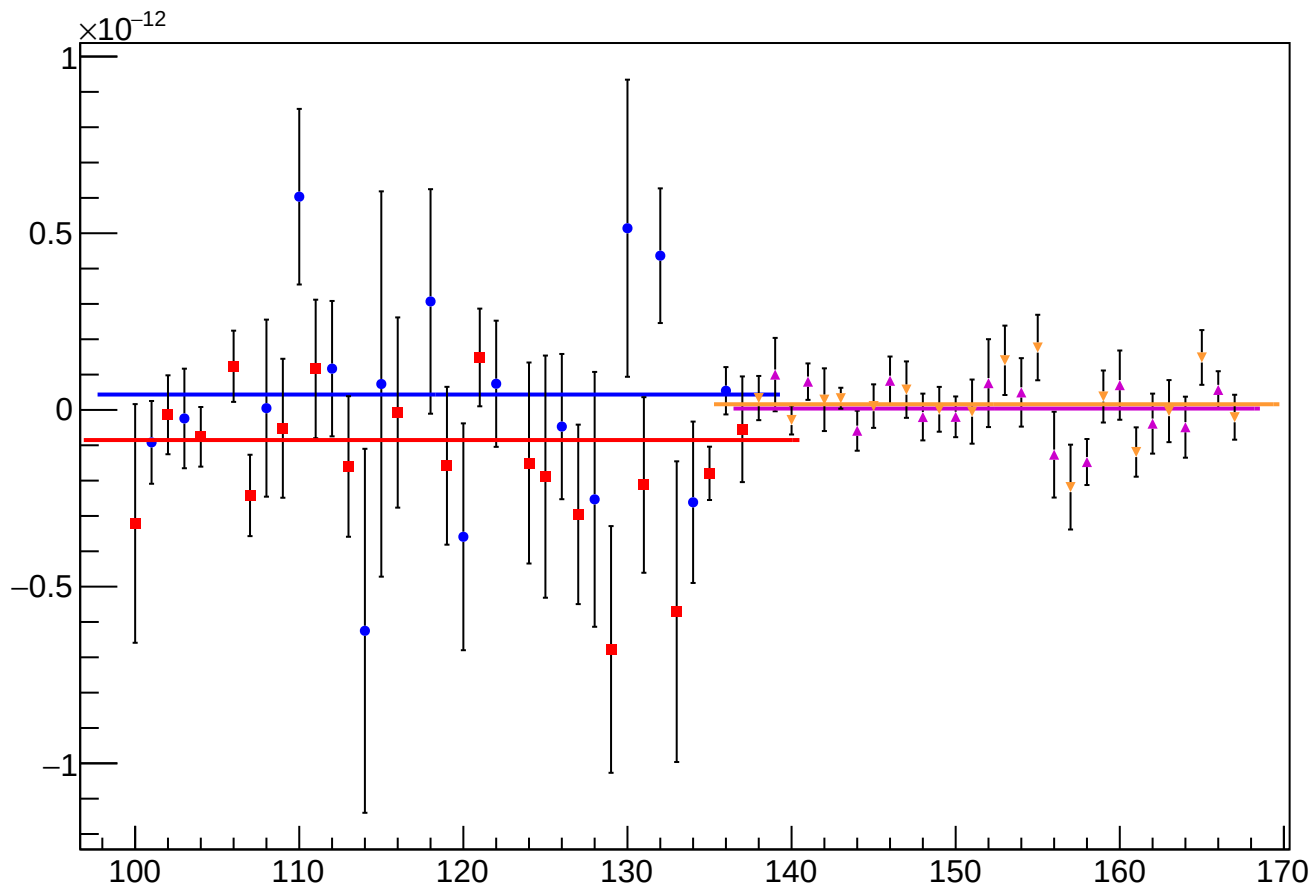
Left In: 302.102 $\pm$ 0.065 χ^2/NDF : 849621.2/13

+ sign 193.213 $\pm$ 0.034 χ^2/NDF : 7364748.7/31

All: 185.612 $\pm$ 0.024 χ^2/NDF : 14832371.8/64

- sign 178.531 $\pm$ 0.033 χ^2/NDF : 7373656.2/32

asym_at1_avg_at2_avg_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:17.6/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

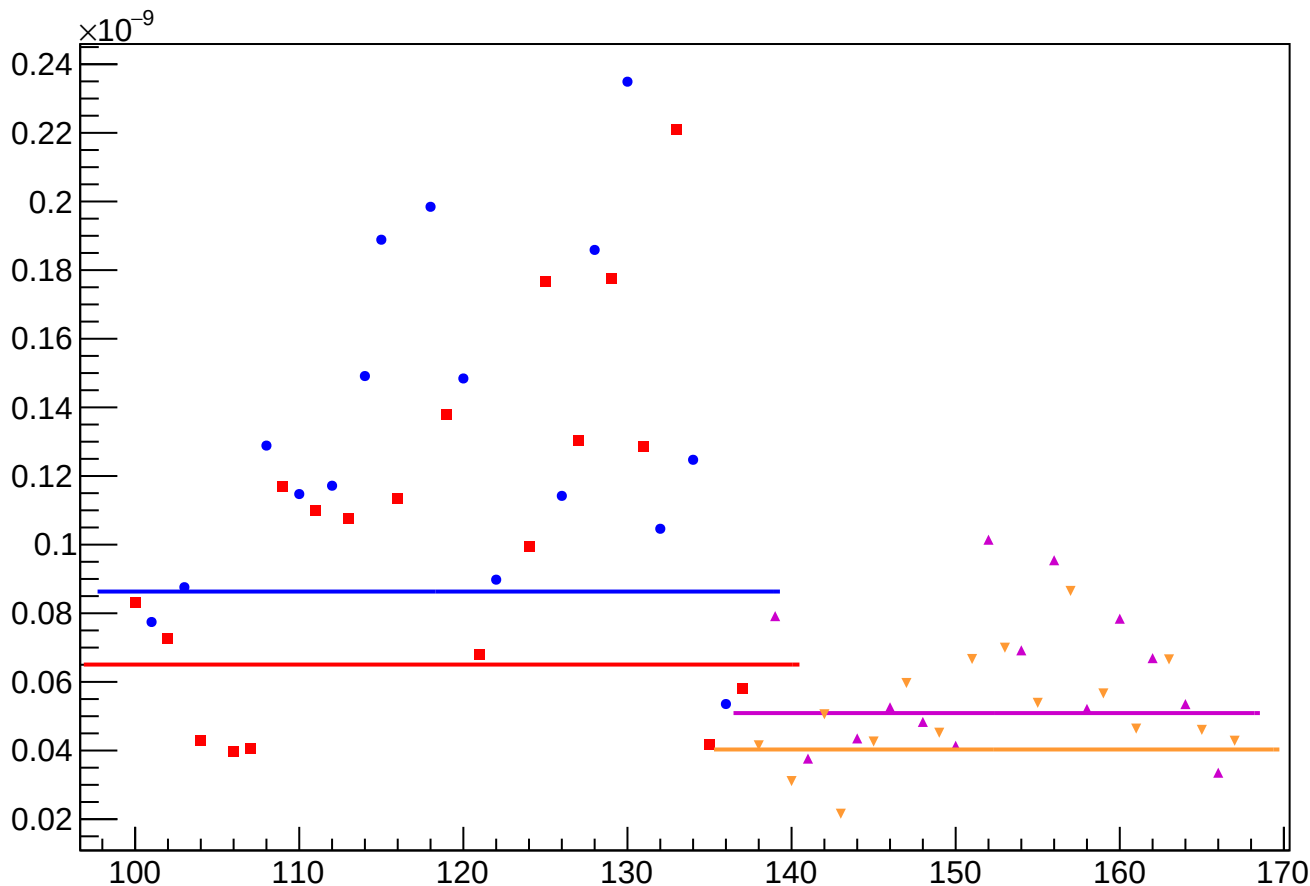
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.0/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/32

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 : 2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

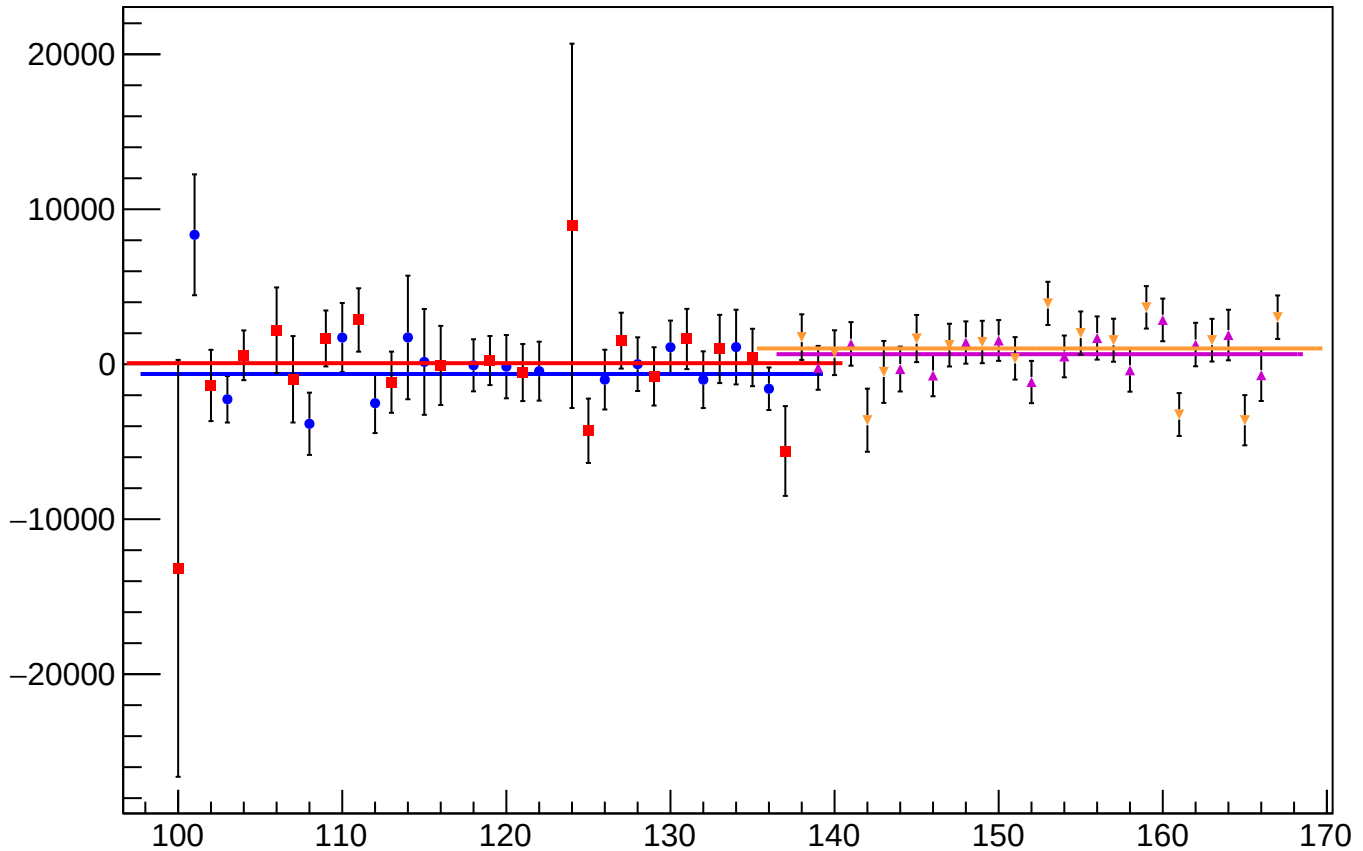
Left In: 0.000+/-0.000 χ^2/NDF : 1490918.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5670170.6/31

All: 0.000+/-0.000 χ^2/NDF : 9879379.1/64

- sign 0.000+/-0.000 χ^2/NDF : 3909834.4/32

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041 $\pm$ 488.663 χ^2 /NDF: 13.9/15

Left Out: 1018.080 $\pm$ 365.671 χ^2 /NDF:35.2/15

Right Out: 67.642 $\pm$ 487.761 χ^2 /NDF: 15.9/18

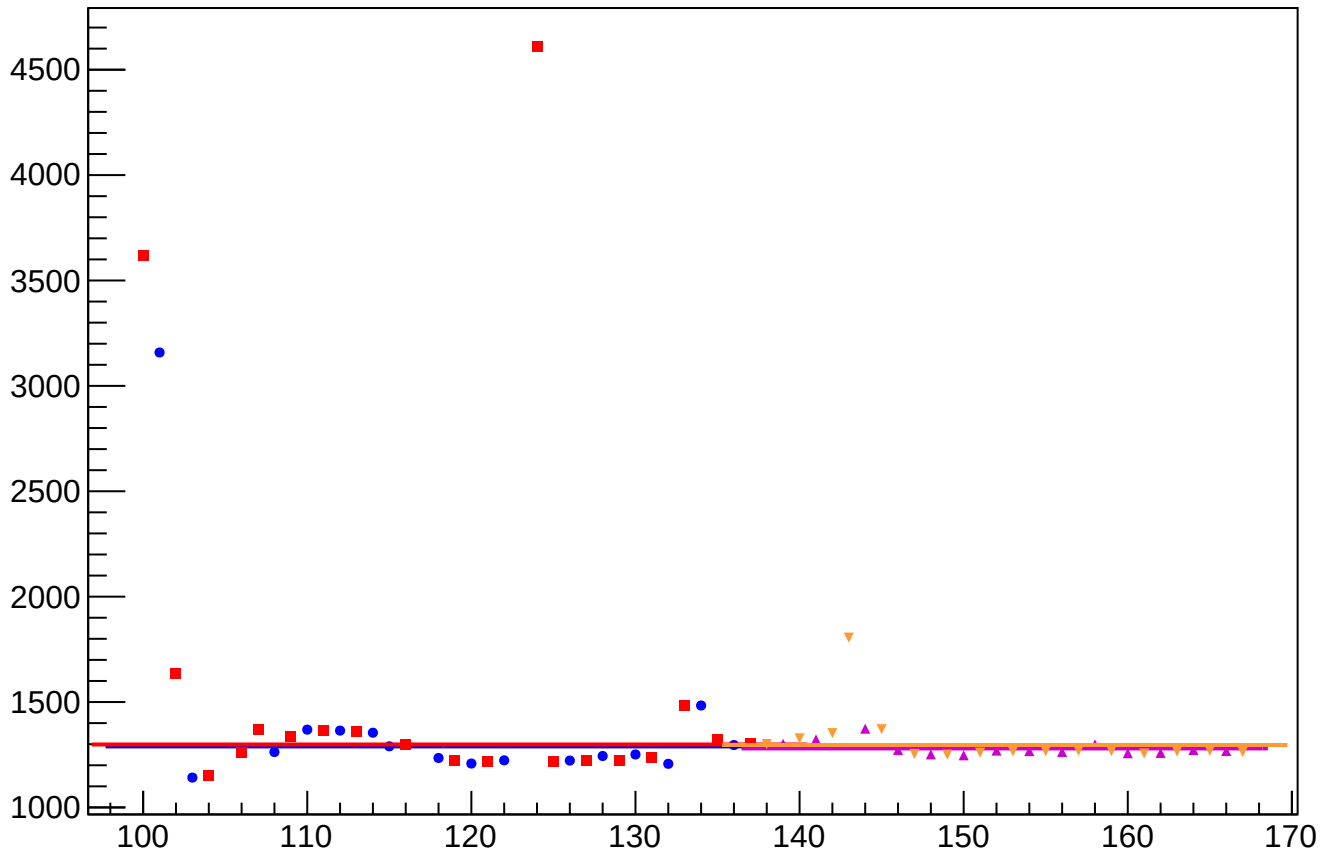
Left In: 648.112 $\pm$ 376.741 χ^2 /NDF:9.7/13

+ sign 426.111 $\pm$ 292.774 χ^2 /NDF: 56.4/31

All: 428.615 $\pm$ 208.900 χ^2 /NDF: 82.9/64

- sign 431.212 $\pm$ 298.158 χ^2 /NDF: 26.5/32

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514675.0/15

Left Out: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

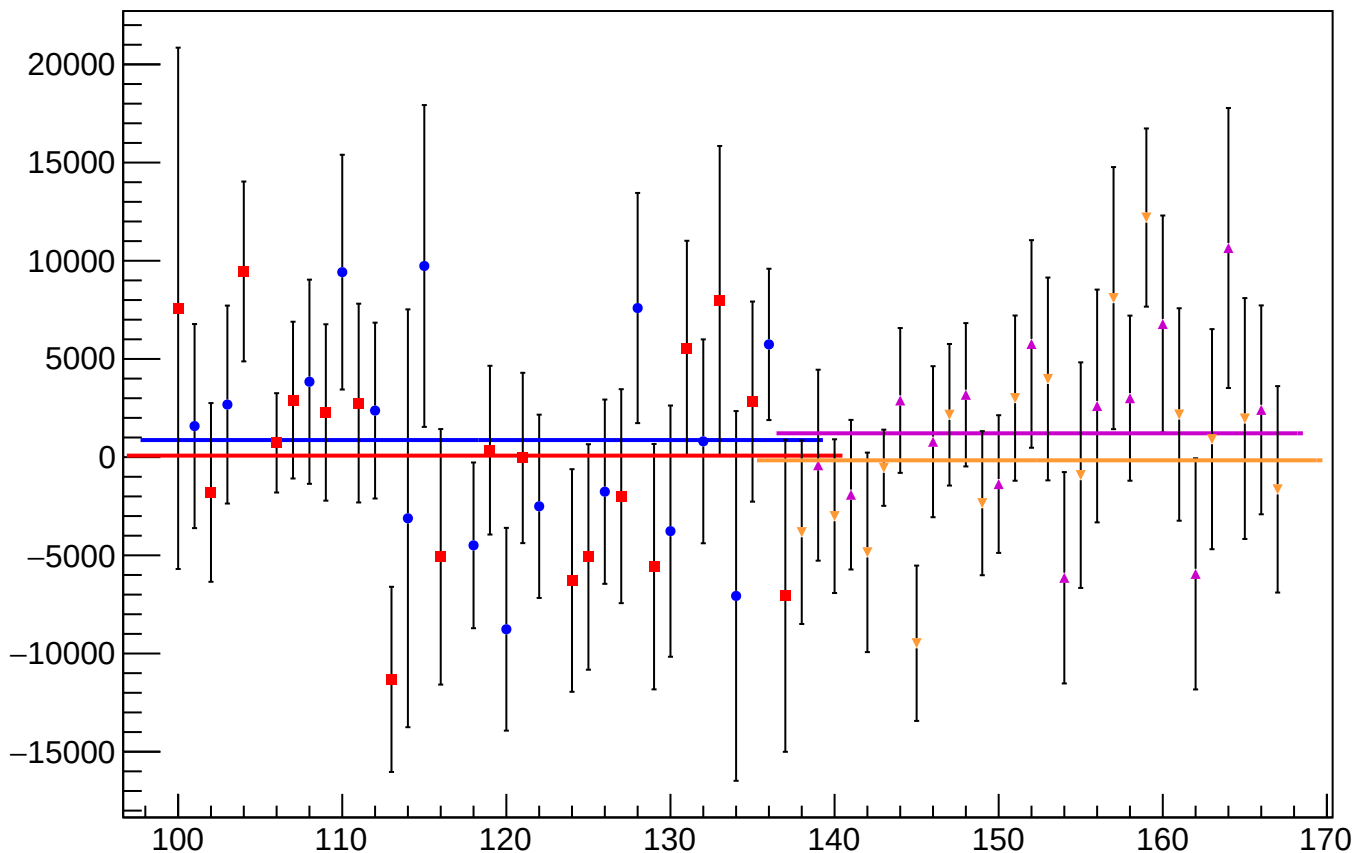
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665500.6/31

All: 1290.373 $\pm$ 0.148 χ^2 /NDF: 1002211.8/64

- sign 1286.882 $\pm$ 0.211 χ^2 /NDF: 336171.1/32

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 870.295 $\pm$ 1325.278 χ^2 /NDF: 14.0/15

Left Out: -161.938 $\pm$ 1023.263 χ^2 /NDF:19.0/15

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

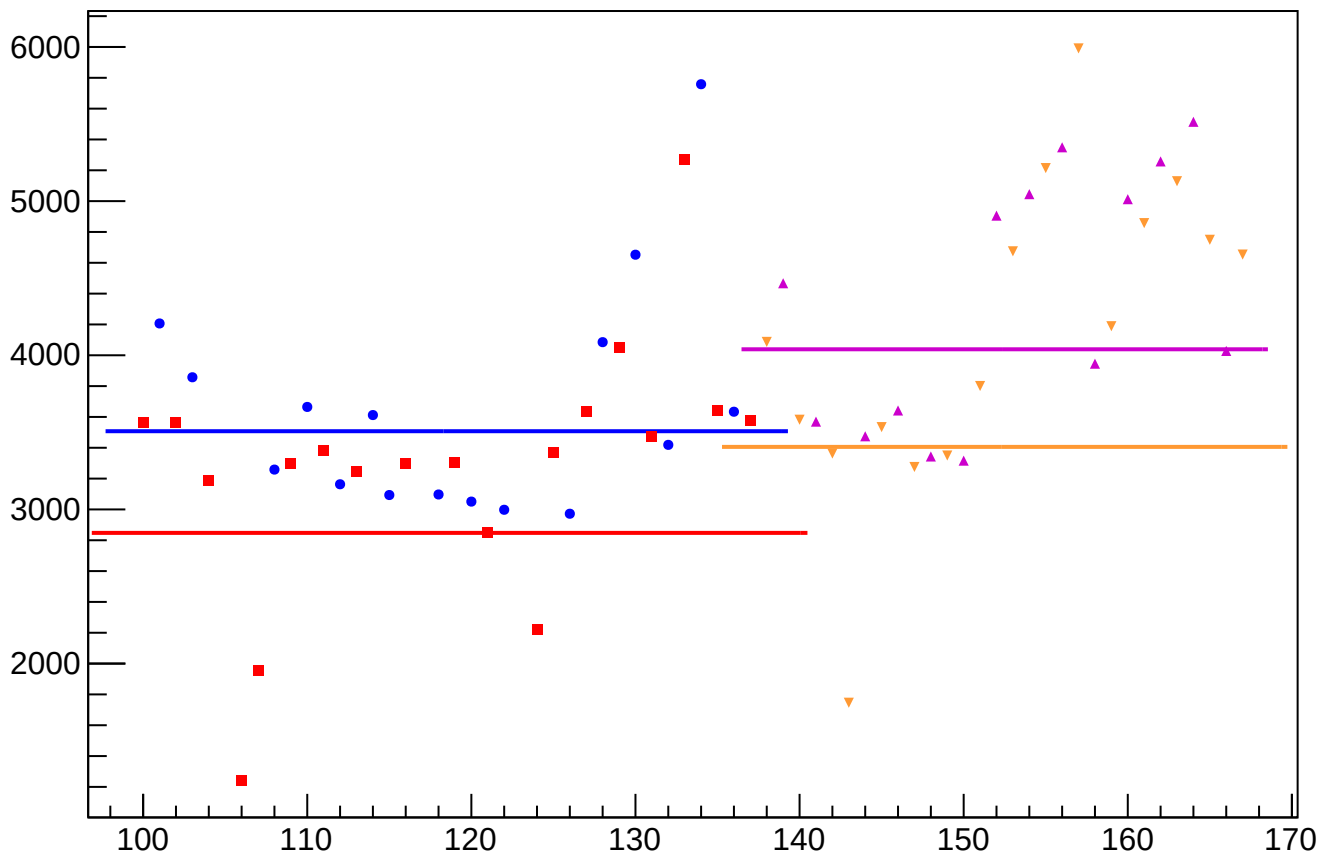
Left In: 1214.184 $\pm$ 1211.879 χ^2 /NDF:9.0/13

+ sign 223.596 $\pm$ 809.934 χ^2 /NDF: 33.4/31

All: 407.985 $\pm$ 575.878 χ^2 /NDF: 61.3/64

- sign 596.512 $\pm$ 818.971 χ^2 /NDF: 27.8/32

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: 3405.727 $\pm$ 0.724 χ^2 /NDF: 2754433.7/15

Right Out: 2847.833 $\pm$ 0.786 χ^2 /NDF: 1499373.6/18

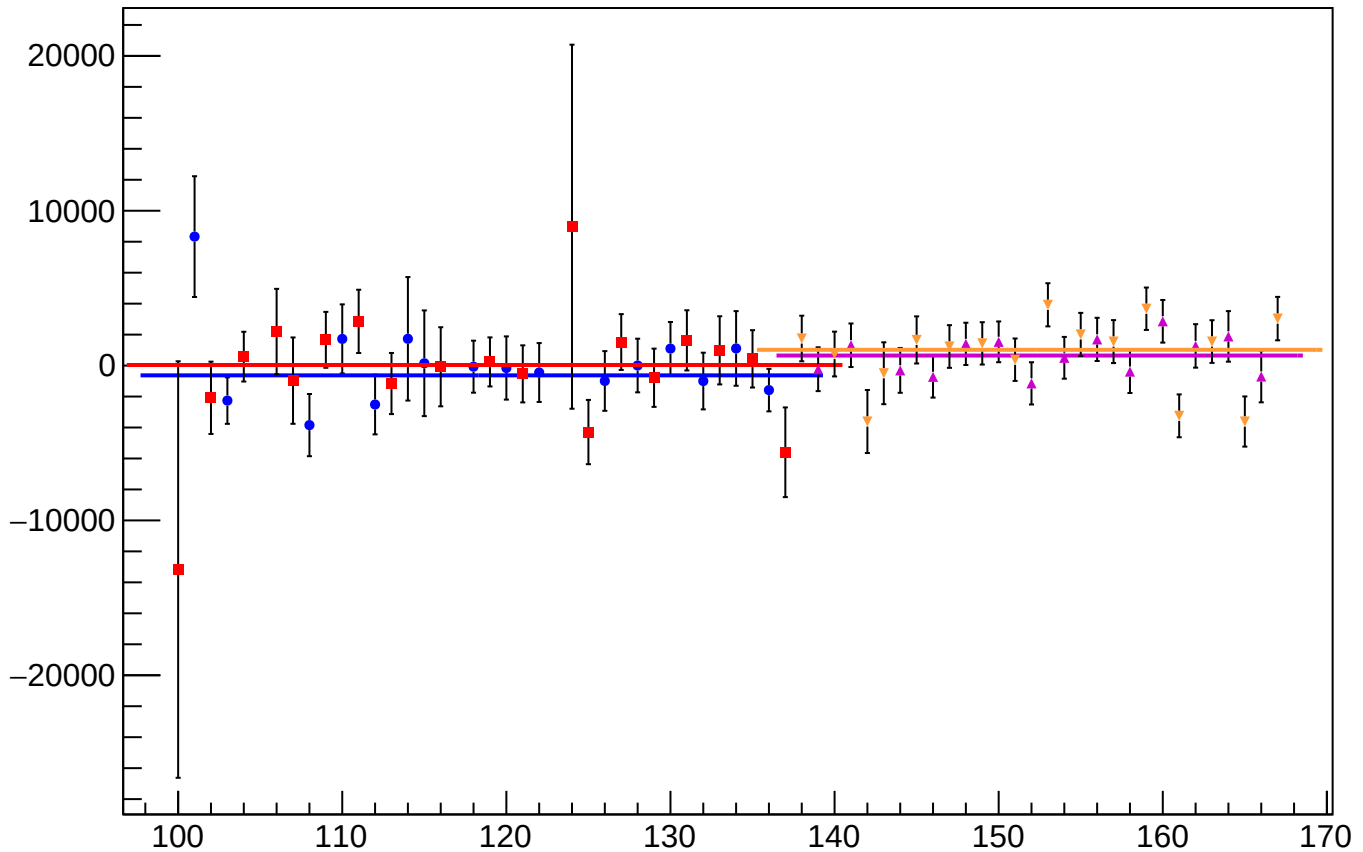
Left In: 4038.851 $\pm$ 0.857 χ^2 /NDF: 727704.4/13

+ sign 3443.700 $\pm$ 0.573 χ^2 /NDF: 3115787.2/31

All: 3418.016 $\pm$ 0.407 χ^2 /NDF: 6396472.7/64

- sign 3391.755 $\pm$ 0.579 χ^2 /NDF: 3276617.7/32

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427 $\pm$ 488.663 χ^2/NDF : 13.9/15

Left Out: 1018.118 $\pm$ 365.671 χ^2/NDF : 35.2/15

Right Out: 38.623 $\pm$ 488.084 χ^2/NDF : 16.3/18

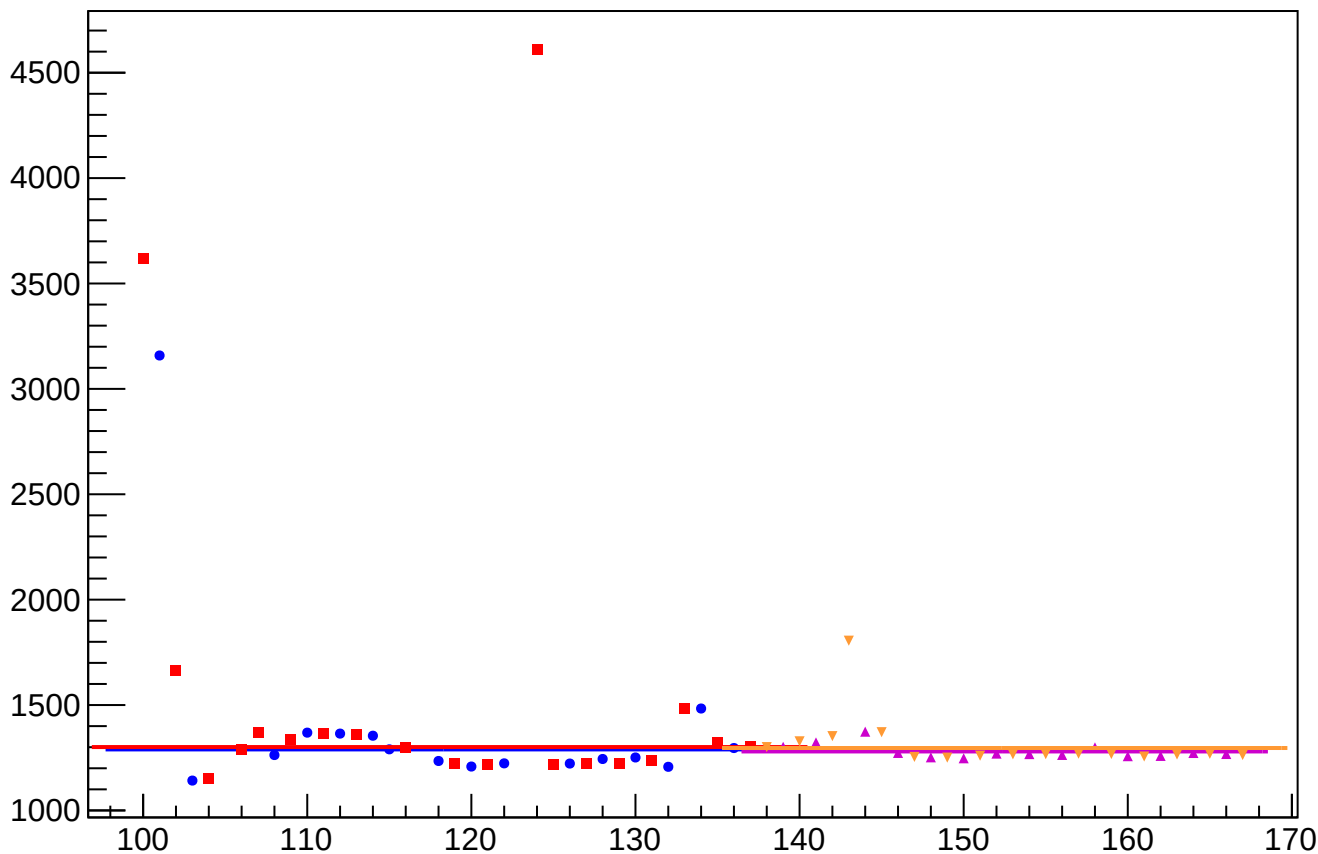
Left In: 648.119 $\pm$ 376.741 χ^2/NDF : 9.7/13

+ sign 425.997 $\pm$ 292.774 χ^2/NDF : 56.4/31

All: 423.330 $\pm$ 208.926 χ^2/NDF : 83.4/64

- sign 420.562 $\pm$ 298.232 χ^2/NDF : 27.0/32

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: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

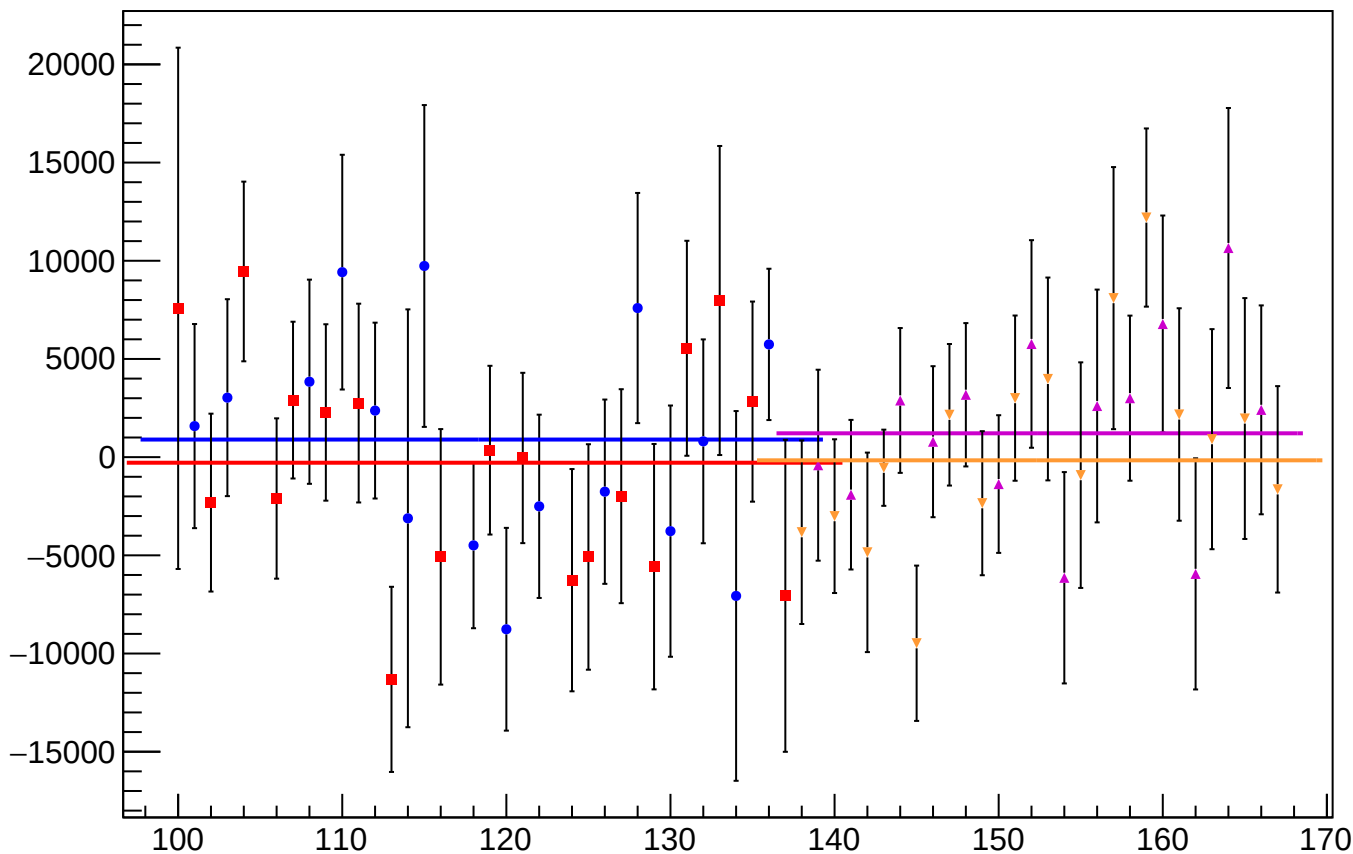
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665502.1/31

All: 1290.742 $\pm$ 0.148 χ^2 /NDF: 1009056.0/64

- sign 1287.629 $\pm$ 0.211 χ^2 /NDF: 343125.1/32

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -161.836 ± 1023.261 χ^2/NDF : 19.0/15

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

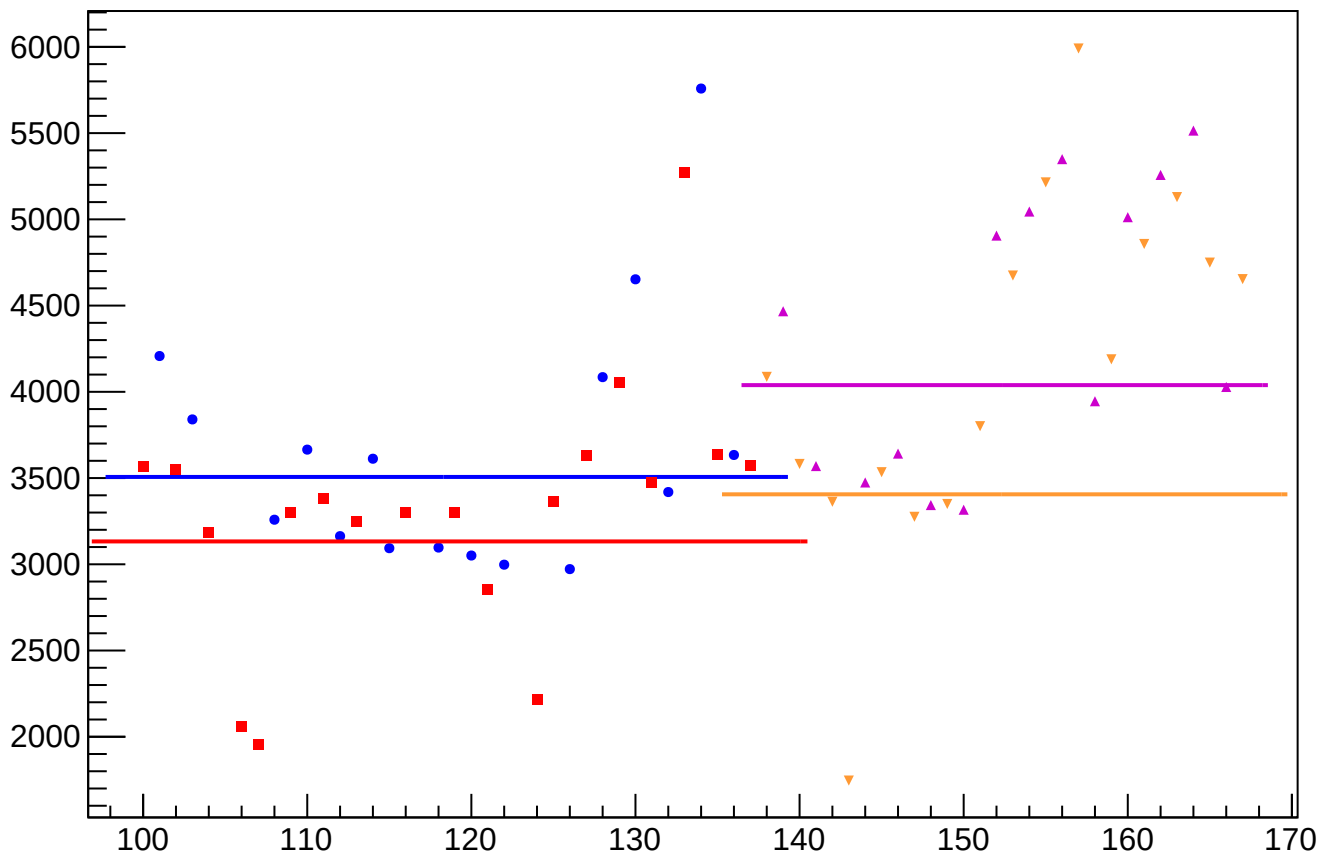
Left In: 1214.227 ± 1211.878 χ^2/NDF : 9.0/13

+ sign 233.436 ± 809.829 χ^2/NDF : 33.4/31

All: 335.565 ± 585.202 χ^2/NDF : 61.9/64

- sign 447.177 ± 846.595 χ^2/NDF : 28.4/32

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: 3405.717+/-0.724 χ^2/NDF : 2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

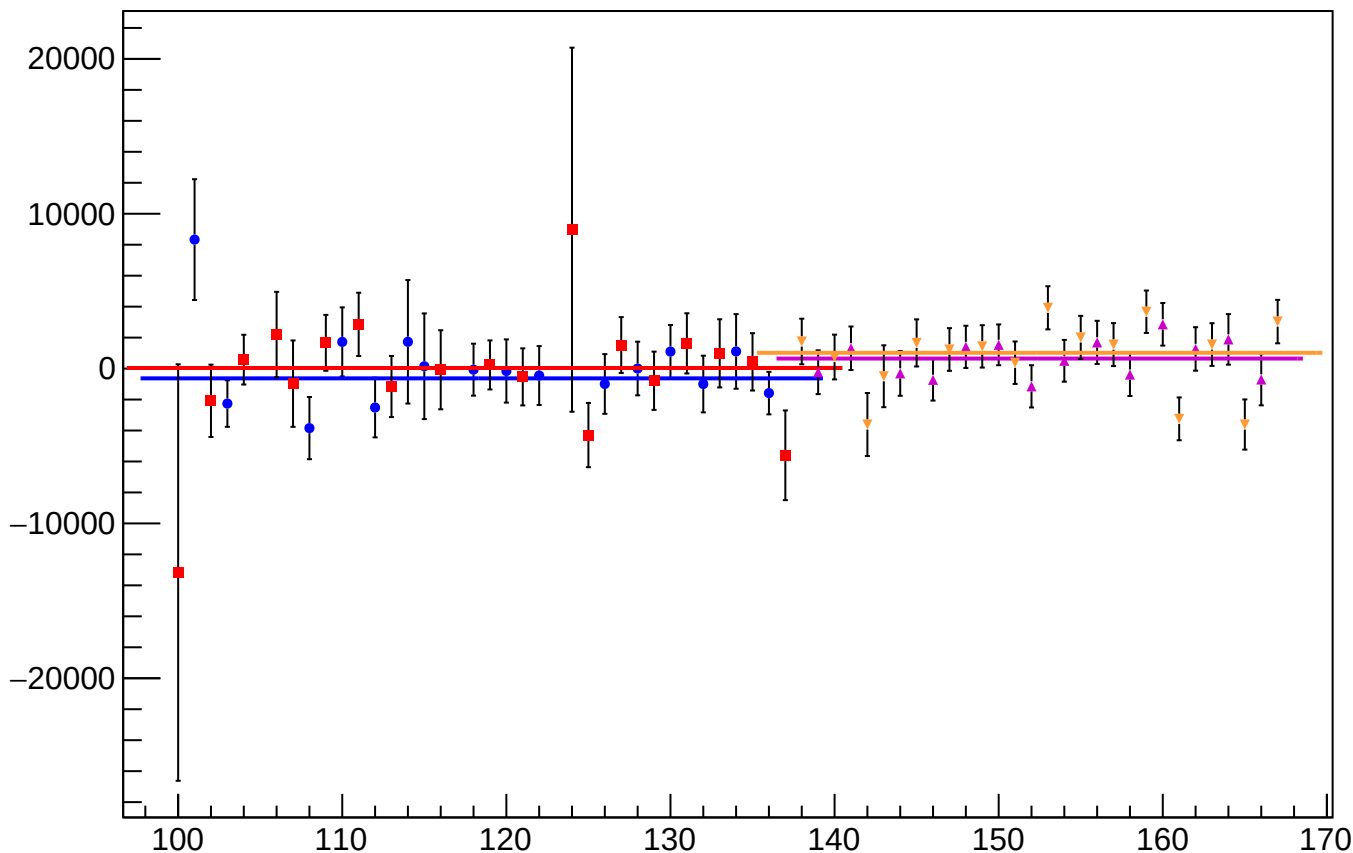
Left In: 4038.847+/-0.857 χ^2/NDF : 727705.7/13

+ sign 3443.369+/-0.573 χ^2/NDF : 3114949.0/31

All: 3506.196+/-0.414 χ^2/NDF : 5090089.3/64

- sign 3574.856+/-0.599 χ^2/NDF : 1949948.0/32

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: 1018.118+/-365.671 χ^2/NDF : 35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

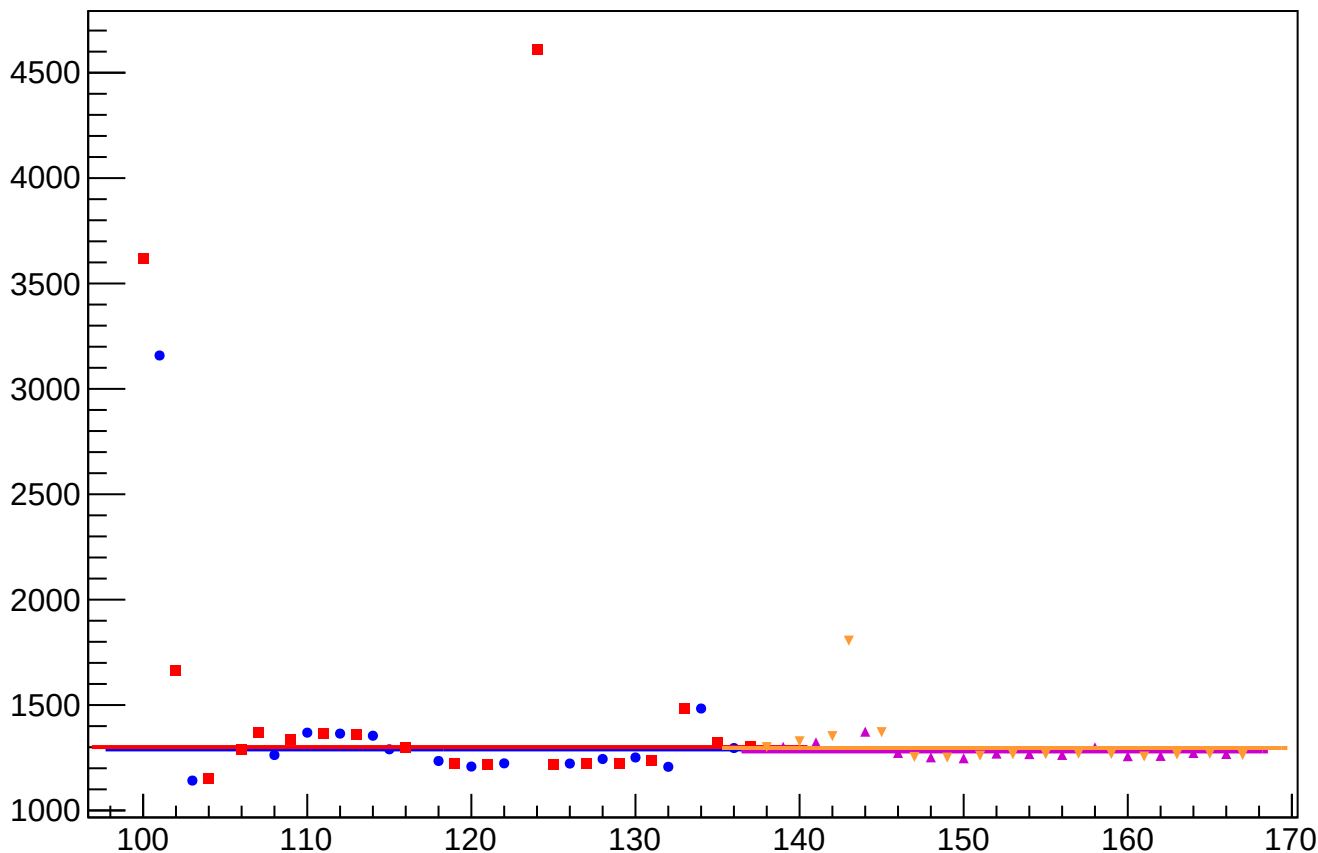
Left In: 648.119+/-376.741 χ^2/NDF : 9.7/13

+ sign 425.997+/-292.774 χ^2/NDF : 56.4/31

All: 423.330+/-208.926 χ^2/NDF : 83.4/64

- sign 420.562+/-298.232 χ^2/NDF : 27.0/32

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: 1296.143 $\pm$ 0.259 χ^2 /NDF: 150586.2/15

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

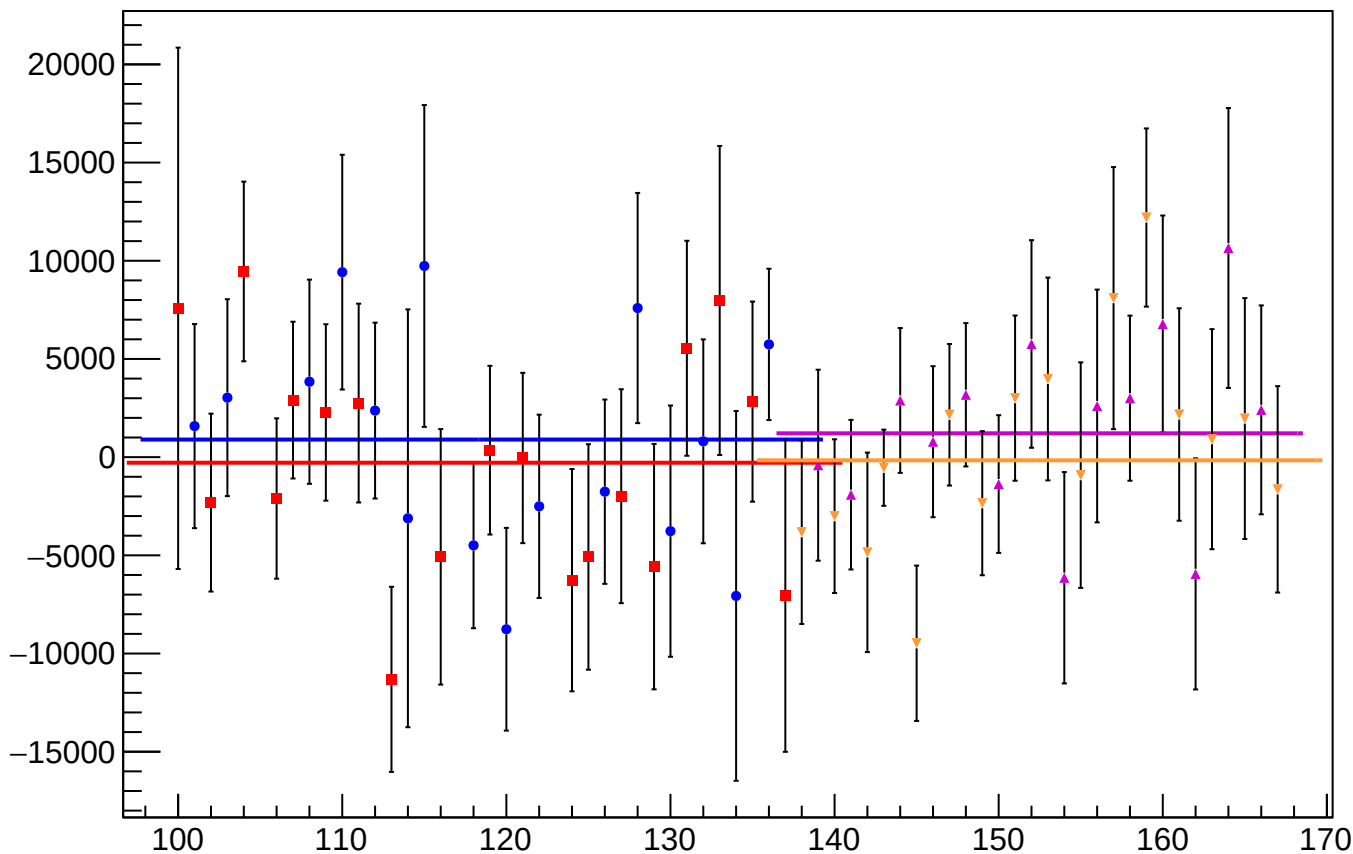
Left In: 1279.822 $\pm$ 0.266 χ^2 /NDF: 14922.3/13

+ sign 1293.746 $\pm$ 0.207 χ^2 /NDF: 665502.1/31

All: 1290.742 $\pm$ 0.148 χ^2 /NDF: 1009056.0/64

- sign 1287.629 $\pm$ 0.211 χ^2 /NDF: 343125.1/32

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -161.836 $\pm$ 1023.261 χ^2 /NDF: 19.0/15

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

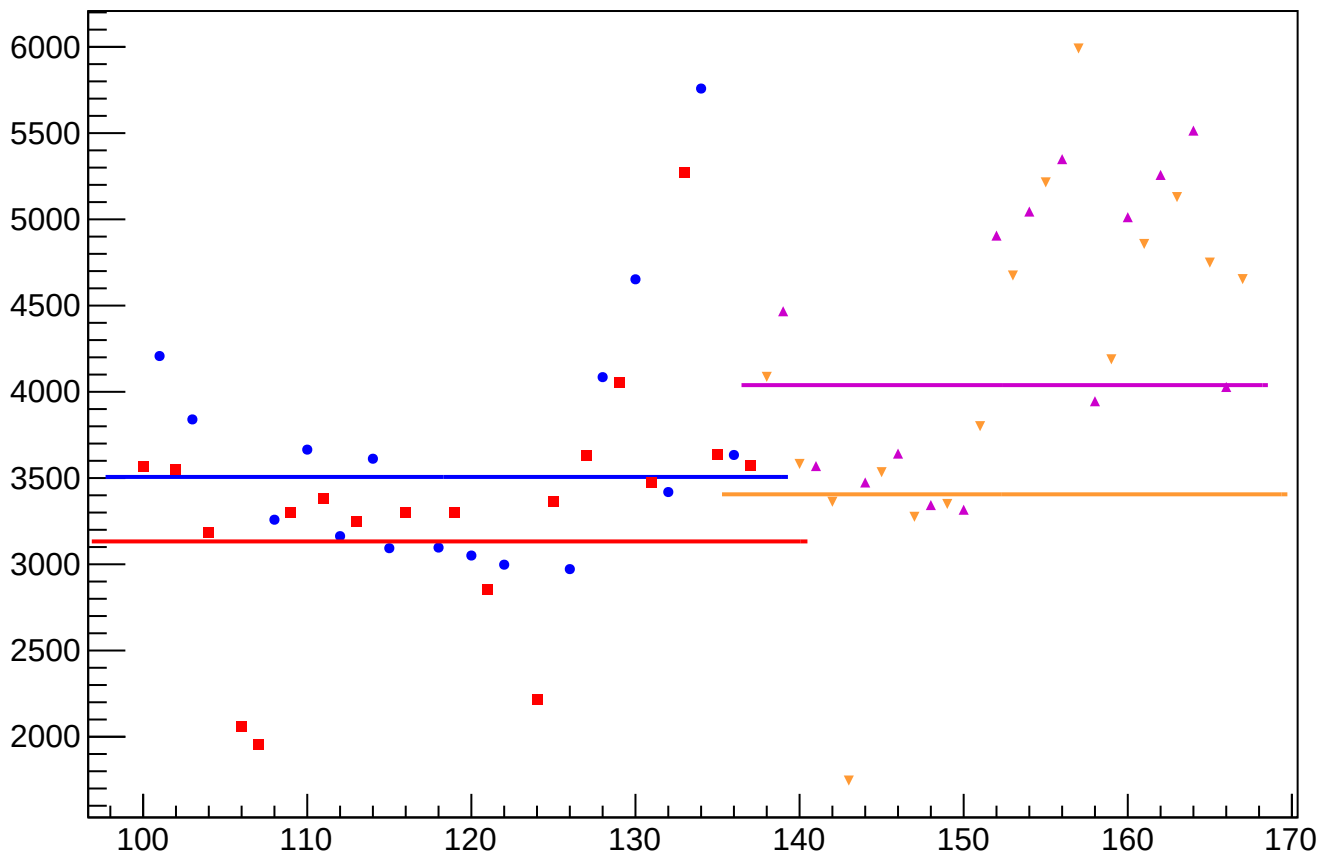
Left In: 1214.227 $\pm$ 1211.878 χ^2 /NDF: 9.0/13

+ sign 233.436 $\pm$ 809.829 χ^2 /NDF: 33.4/31

All: 335.565 $\pm$ 585.202 χ^2 /NDF: 61.9/64

- sign 447.177 $\pm$ 846.595 χ^2 /NDF: 28.4/32

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: 3405.717+/-0.724 χ^2/NDF : 2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

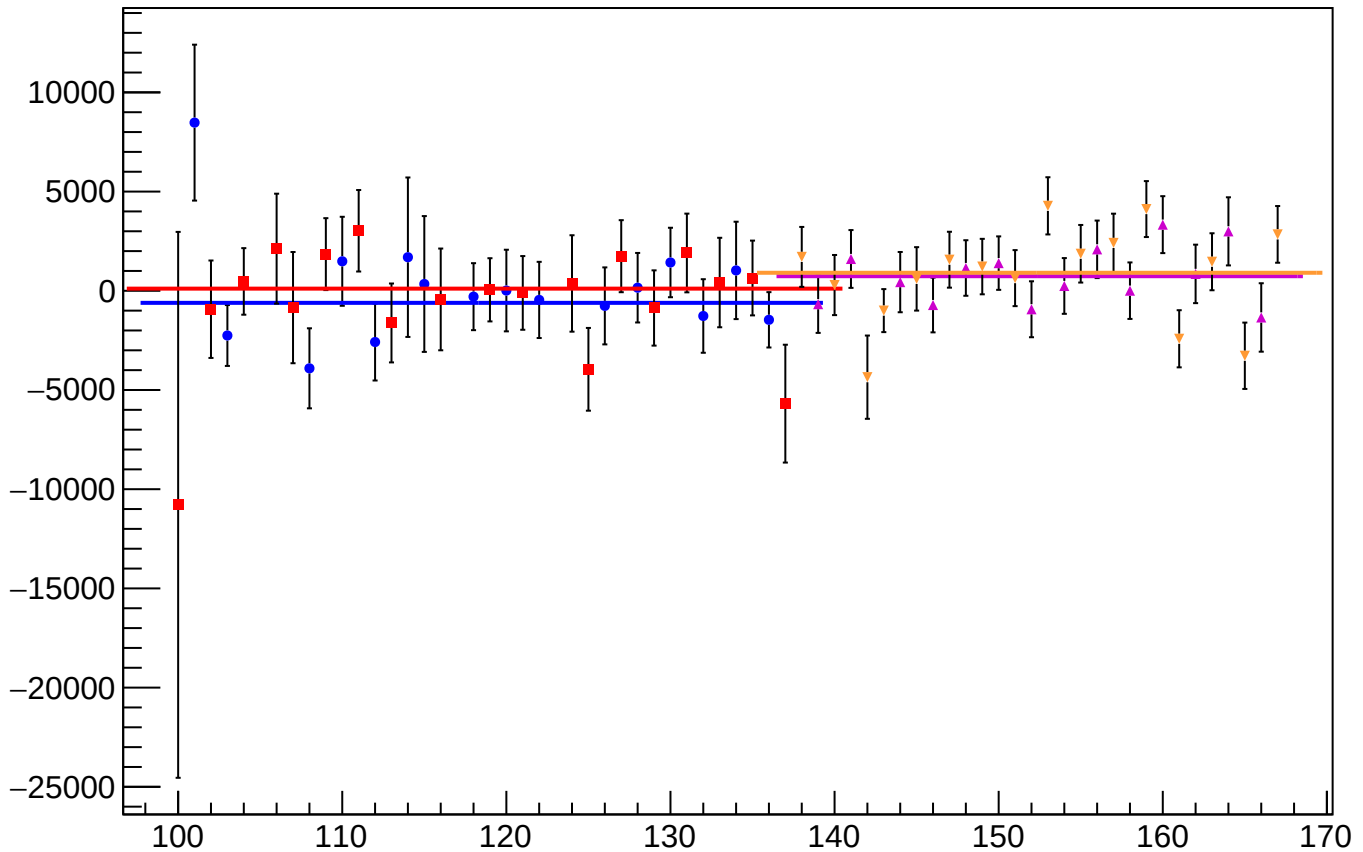
Left In: 4038.847+/-0.857 χ^2/NDF : 727705.7/13

+ sign 3443.369+/-0.573 χ^2/NDF : 3114949.0/31

All: 3506.196+/-0.414 χ^2/NDF : 5090089.3/64

- sign 3574.856+/-0.599 χ^2/NDF : 1949948.0/32

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: 908.293 ± 362.846 χ^2/NDF : 35.9/15

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

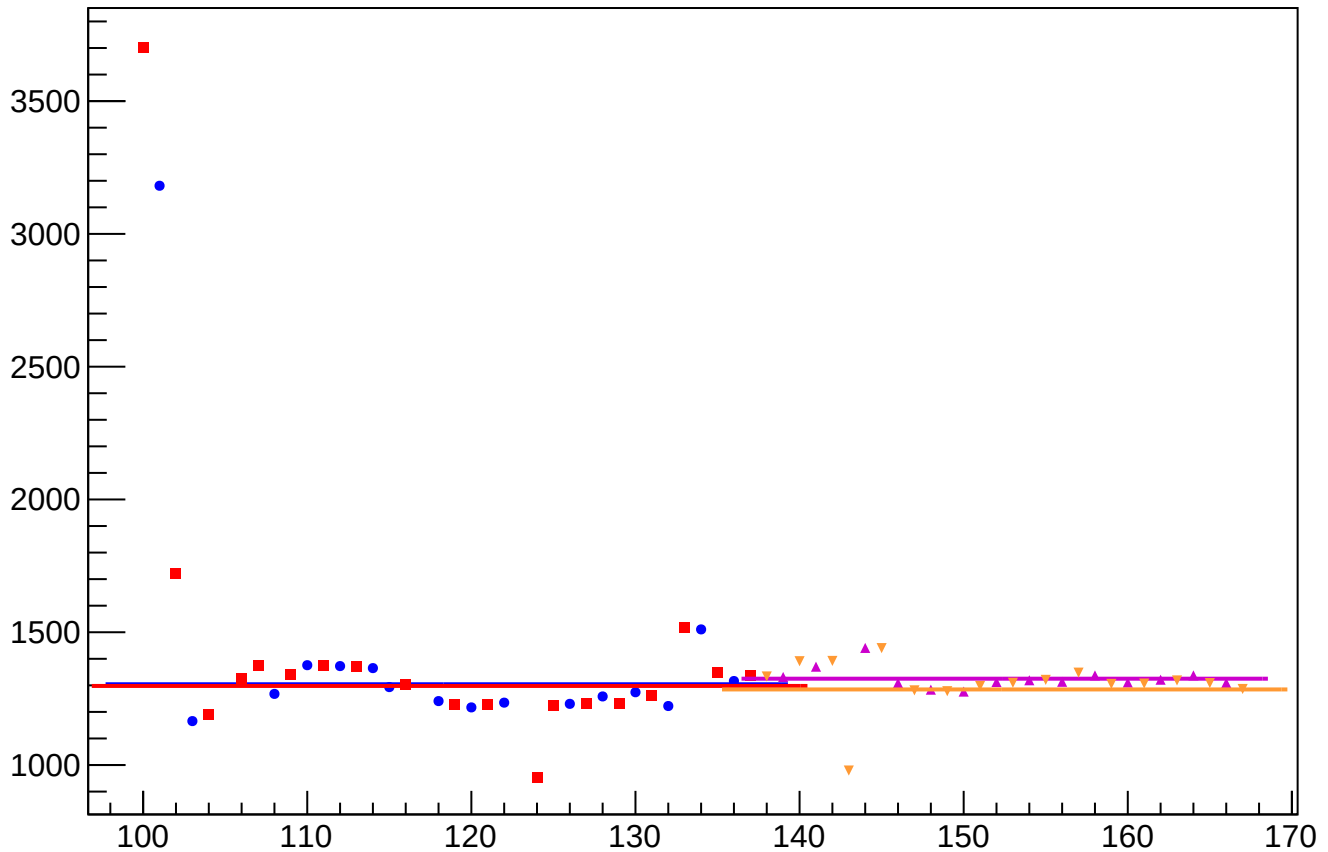
Left In: 735.092 ± 390.137 χ^2/NDF : 11.9/13

+ sign 377.240 ± 292.475 χ^2/NDF : 56.1/31

All: 431.089 ± 210.810 χ^2/NDF : 84.0/64

- sign 489.313 ± 304.127 χ^2/NDF : 27.8/32

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: 1284.622 $\pm$ 0.257 χ^2 /NDF: 203050.2/15

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

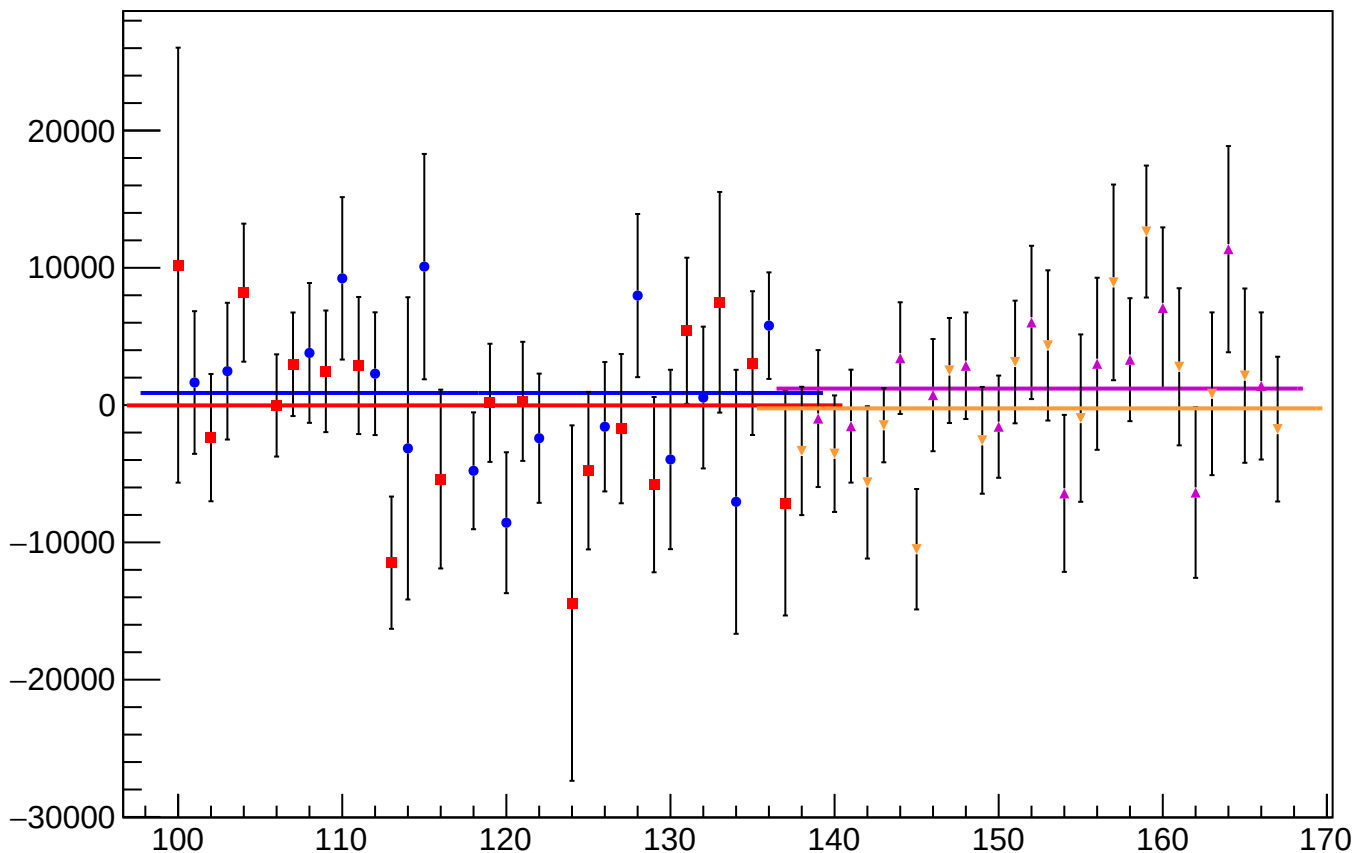
Left In: 1325.084 $\pm$ 0.276 χ^2 /NDF: 19191.5/13

+ sign 1291.445 $\pm$ 0.207 χ^2 /NDF: 715658.8/31

All: 1302.463 $\pm$ 0.149 χ^2 /NDF: 957694.1/64

- sign 1314.369 $\pm$ 0.215 χ^2 /NDF: 236130.4/32

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: -237.054 ± 1154.094 χ^2/NDF : 19.2/15

Right Out: -20.681 ± 1200.015 χ^2/NDF : 16.8/18

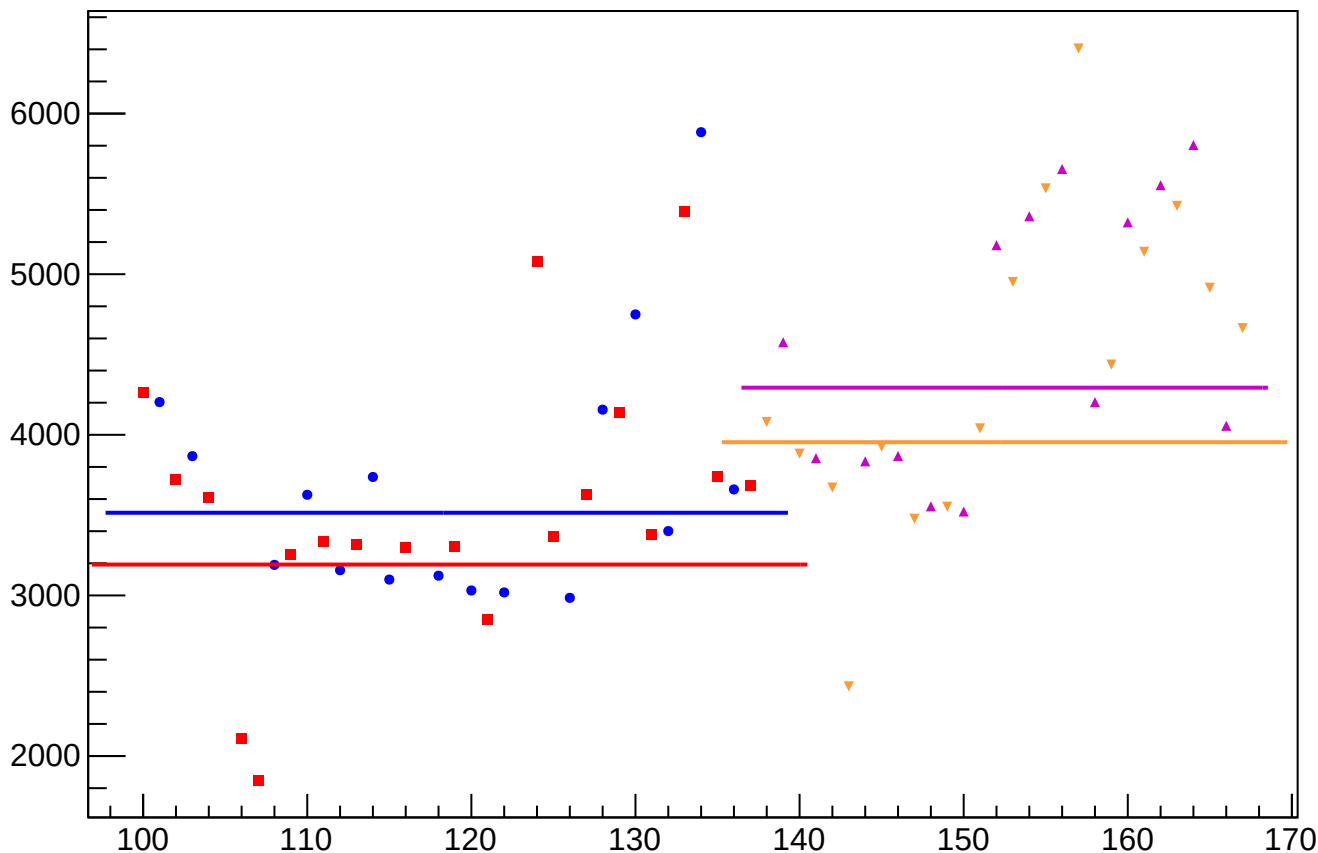
Left In: 1203.062 ± 1287.115 χ^2/NDF : 8.8/13

+ sign 245.585 ± 870.940 χ^2/NDF : 33.7/31

All: 395.813 ± 618.229 χ^2/NDF : 59.9/64

- sign 548.387 ± 877.717 χ^2/NDF : 26.1/32

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746 $\pm$ 0.939 χ^2 /NDF: 375078.6/15

Left Out: 3954.074 $\pm$ 0.816 χ^2 /NDF: 1444498.7/15

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

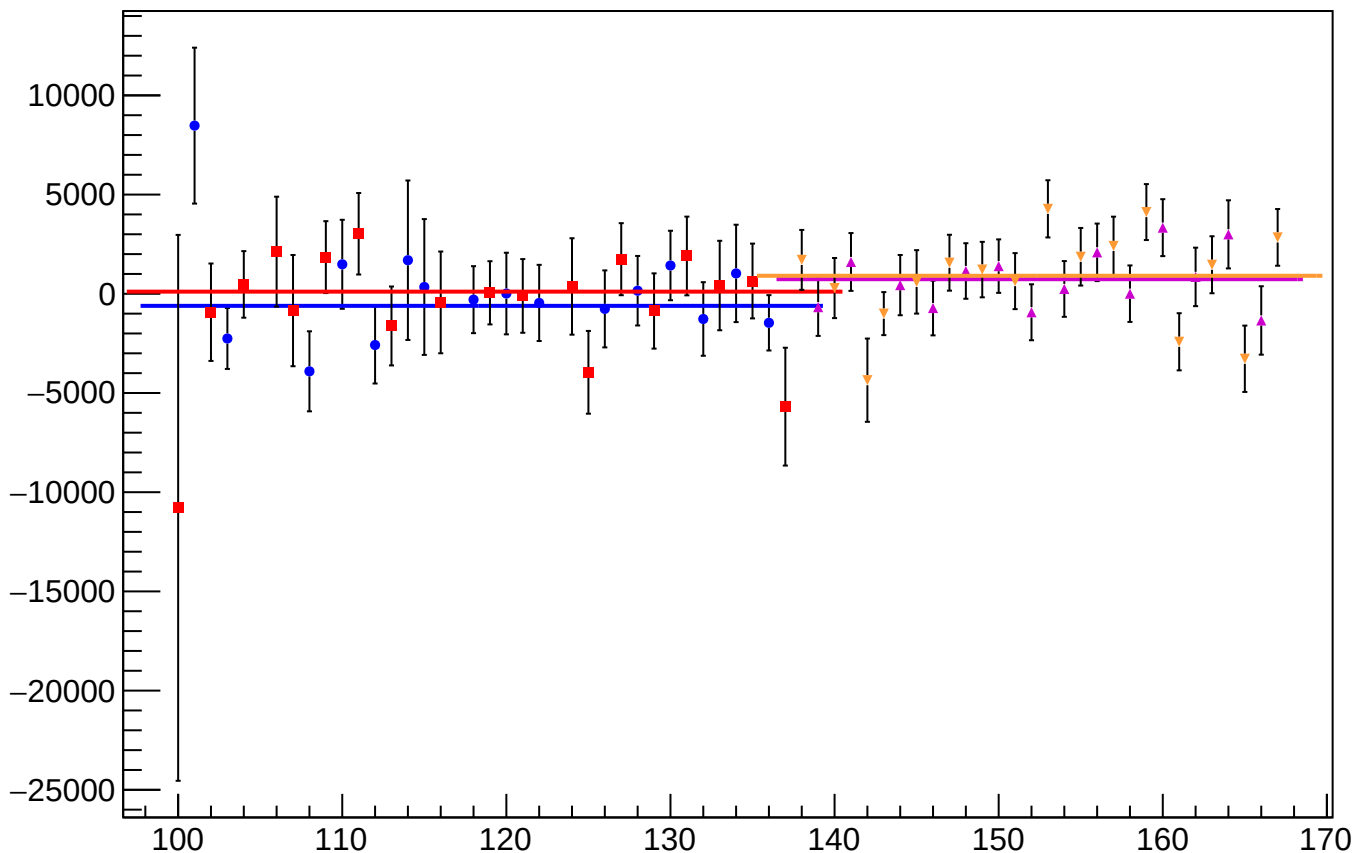
Left In: 4293.404 $\pm$ 0.910 χ^2 /NDF: 678584.3/13

+ sign 3764.943 $\pm$ 0.616 χ^2 /NDF: 1944344.1/31

All: 3734.850 $\pm$ 0.437 χ^2 /NDF: 4183420.4/64

- sign 3704.287 $\pm$ 0.621 χ^2 /NDF: 2234263.4/32

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: 908.299+/-362.846 χ^2/NDF : 35.9/15

Right Out: 108.619+/-485.553 χ^2/NDF : 14.9/18

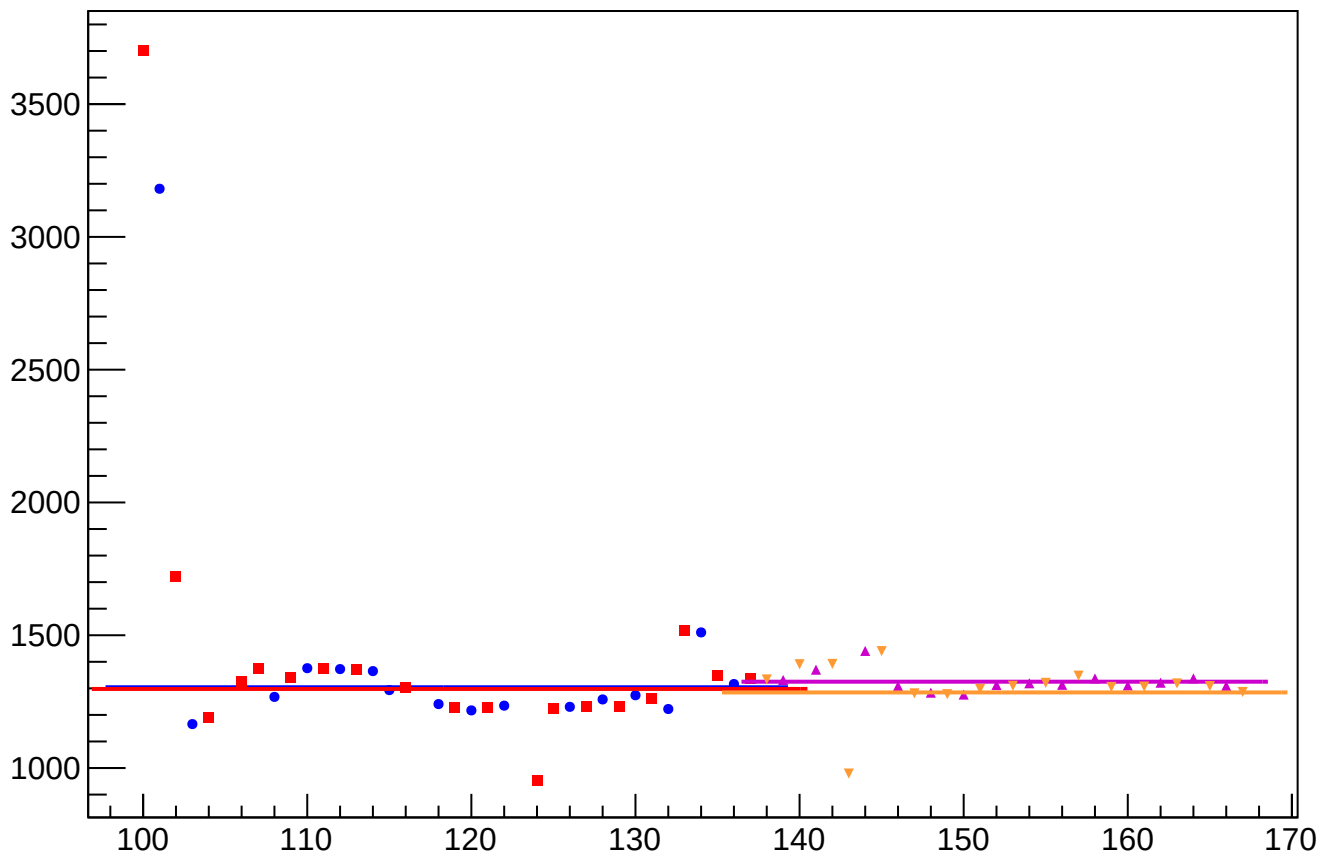
Left In: 735.094+/-390.138 χ^2/NDF : 11.9/13

+ sign 377.242+/-292.475 χ^2/NDF : 56.1/31

All: 431.091+/-210.810 χ^2/NDF : 84.0/64

- sign 489.316+/-304.128 χ^2/NDF : 27.8/32

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.6/15

Left Out: 1284.623 $\pm$ 0.257 χ^2 /NDF: 203050.9/15

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

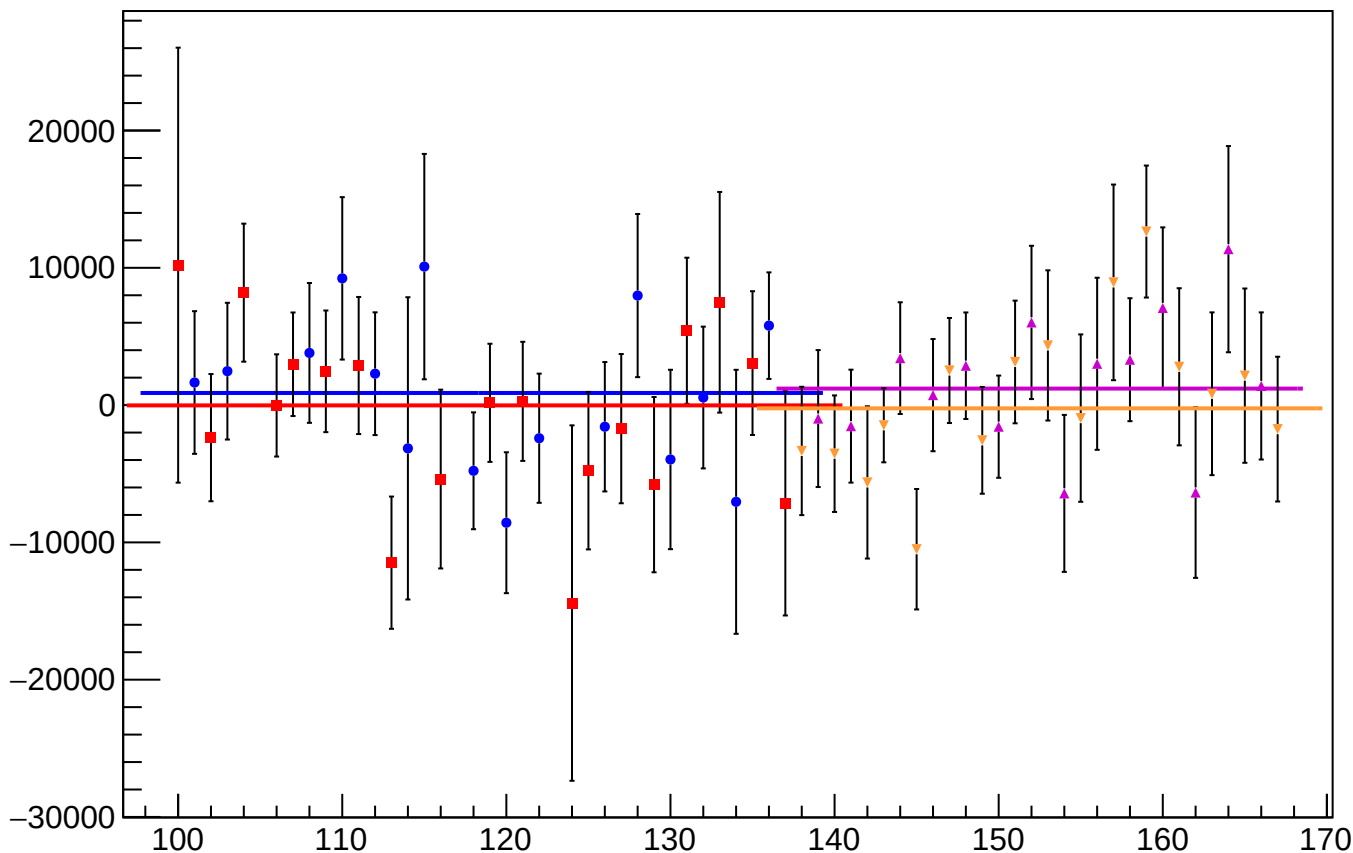
Left In: 1325.085 $\pm$ 0.276 χ^2 /NDF: 19191.6/13

+ sign 1291.446 $\pm$ 0.207 χ^2 /NDF: 715659.4/31

All: 1302.464 $\pm$ 0.149 χ^2 /NDF: 957695.3/64

- sign 1314.369 $\pm$ 0.215 χ^2 /NDF: 236131.0/32

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: -237.050 $\pm$ 1154.096 χ^2 /NDF:19.2/15

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

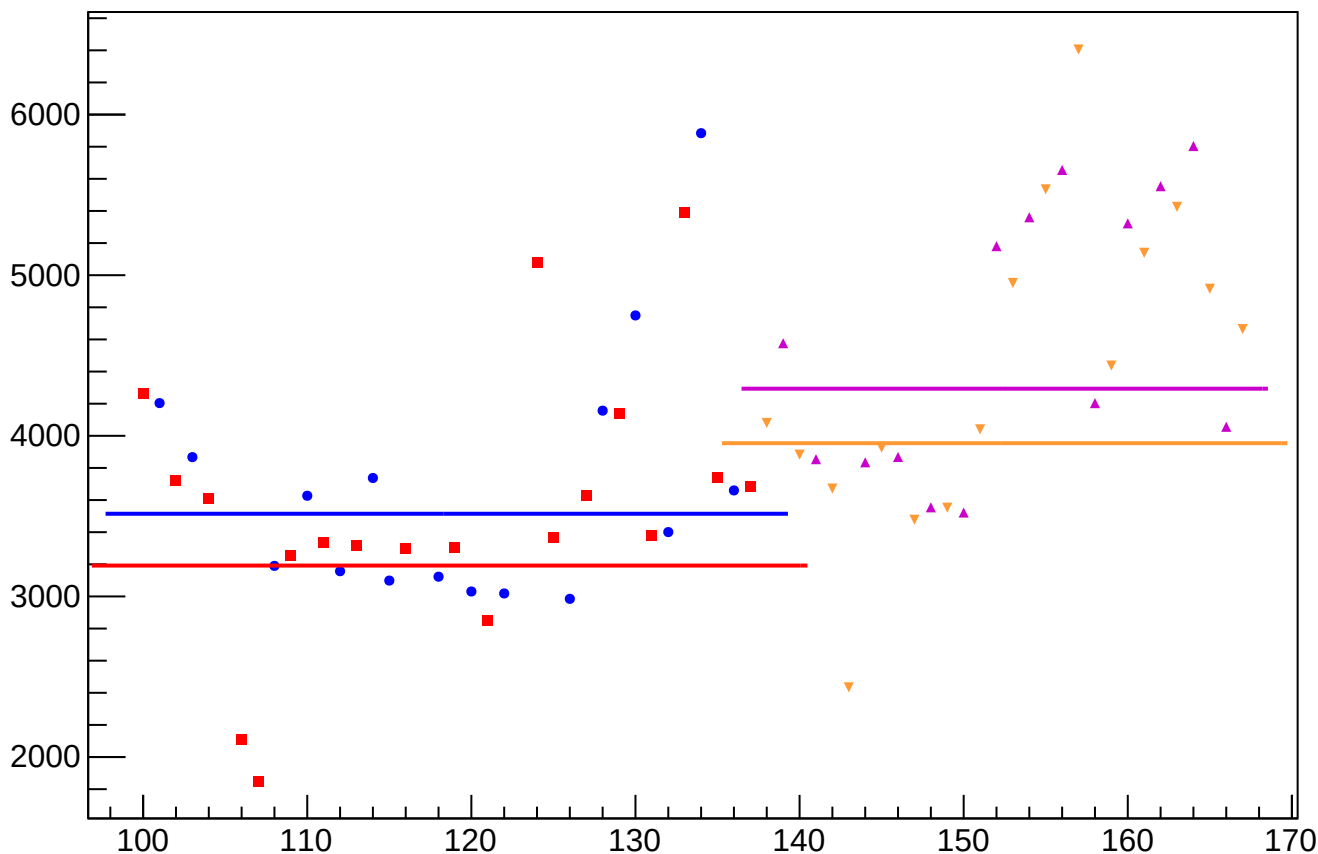
Left In: 1203.061 $\pm$ 1287.117 χ^2 /NDF:8.8/13

+ sign 245.585 $\pm$ 870.940 χ^2 /NDF: 33.7/31

All: 395.812 $\pm$ 618.229 χ^2 /NDF: 59.9/64

- sign 548.387 $\pm$ 877.716 χ^2 /NDF: 26.1/32

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 3954.080 $\pm$ 0.816 χ^2 /NDF: 1444500.9/15

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

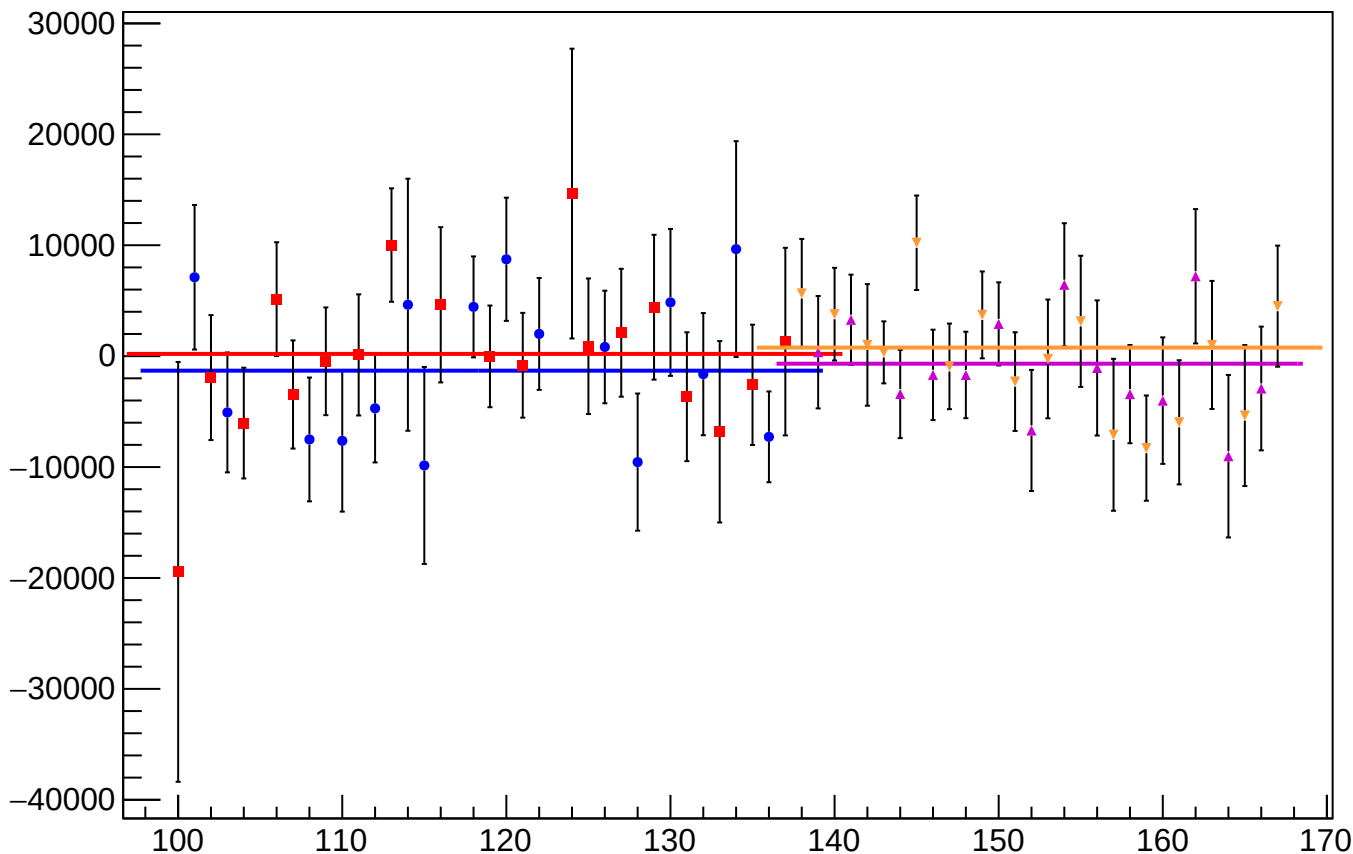
Left In: 4293.410 $\pm$ 0.910 χ^2 /NDF: 678585.8/13

+ sign 3764.942 $\pm$ 0.616 χ^2 /NDF: 1944359.2/31

All: 3734.847 $\pm$ 0.437 χ^2 /NDF: 4183460.0/64

- sign 3704.283 $\pm$ 0.621 χ^2 /NDF: 2234287.7/32

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 770.252 ± 1156.771 χ^2/NDF : 15.7/15

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

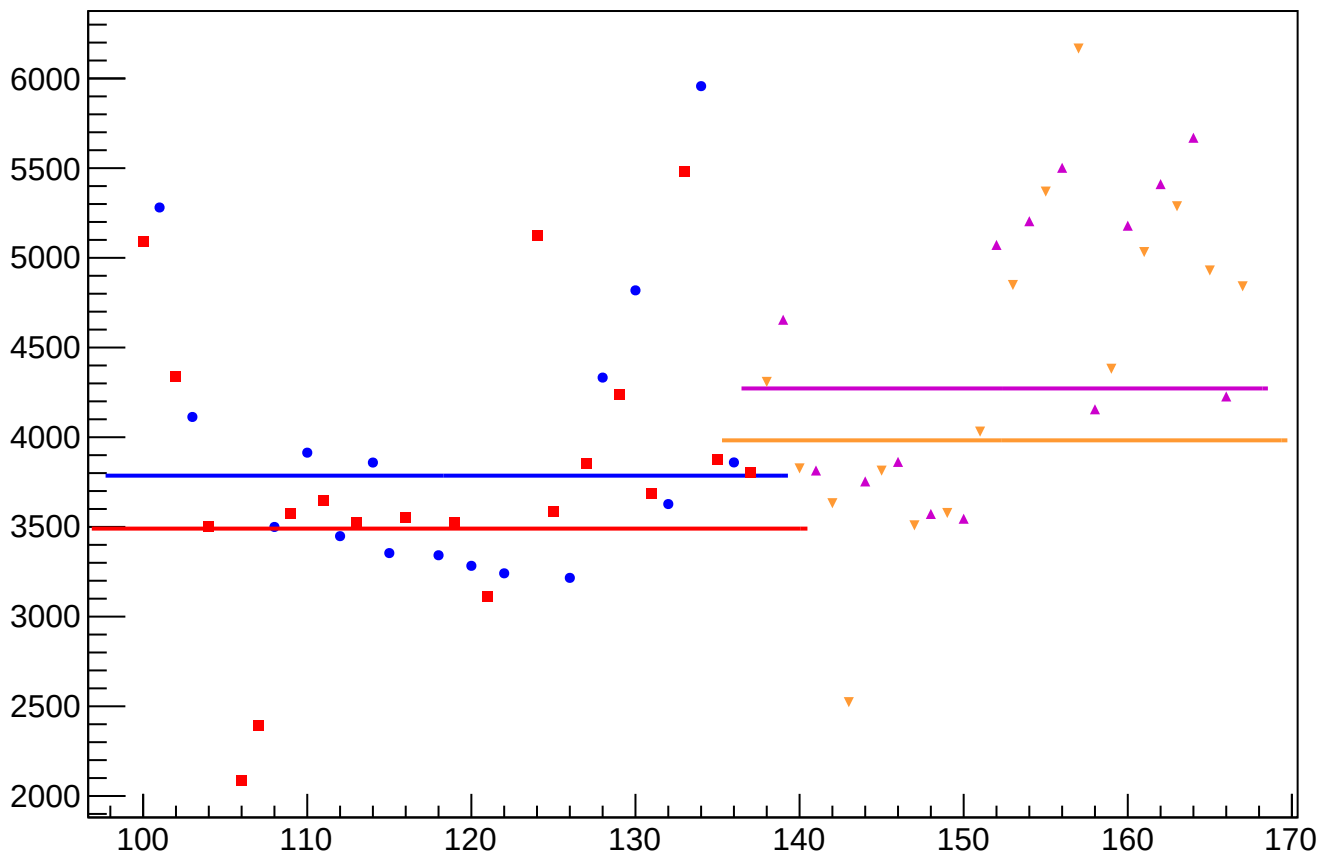
Left In: -681.934 ± 1277.622 χ^2/NDF : 9.2/13

+ sign -51.186 ± 899.759 χ^2/NDF : 34.6/31

All: -152.846 ± 644.416 χ^2/NDF : 55.7/64

- sign -259.915 ± 923.384 χ^2/NDF : 21.1/32

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF : 1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

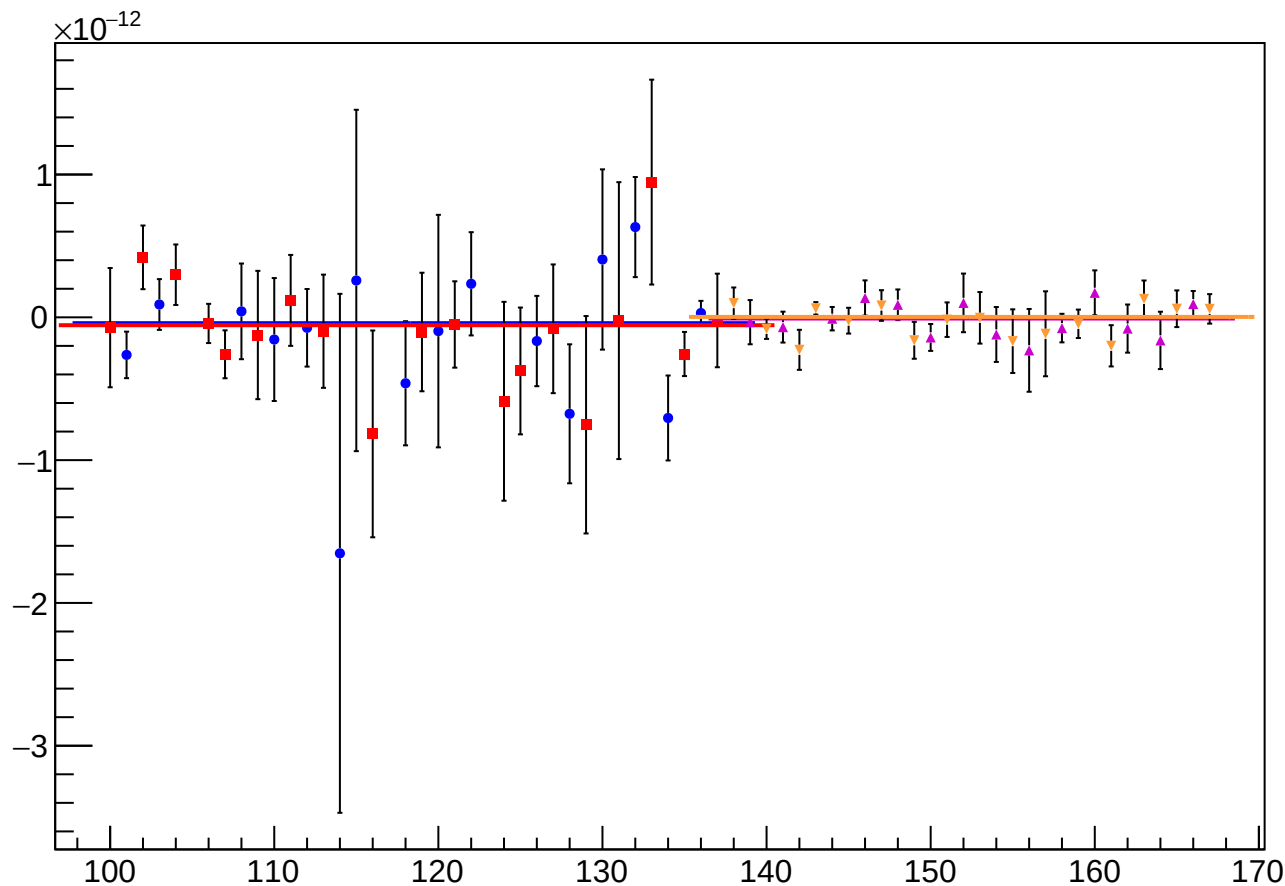
Left In: 4271.917+/-0.903 χ^2/NDF : 606988.2/13

+ sign 3904.855+/-0.636 χ^2/NDF : 1671999.2/31

All: 3899.224+/-0.454 χ^2/NDF : 3228241.3/64

- sign 3893.371+/-0.649 χ^2/NDF : 1556082.3/32

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 : 13.4/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.9/18

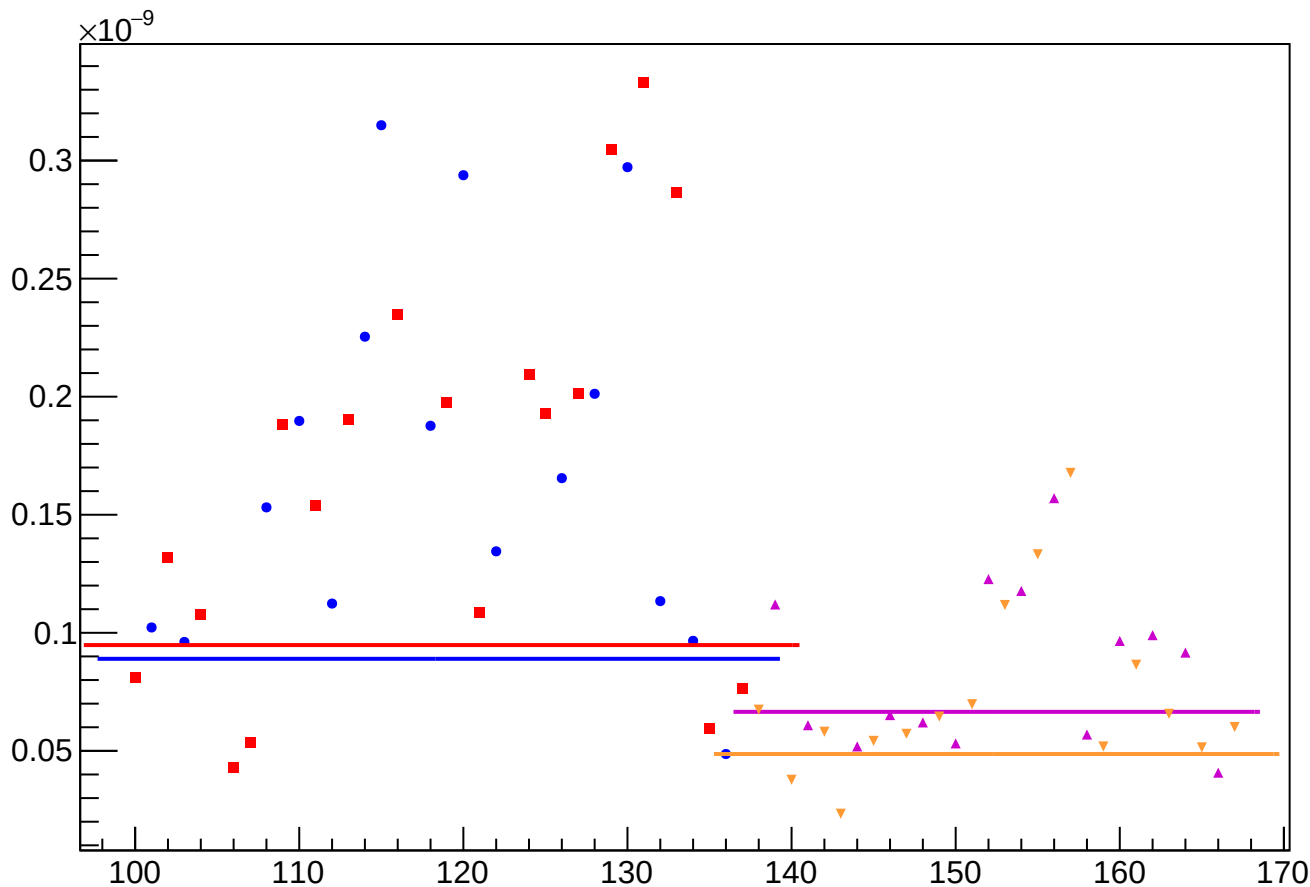
Left In: -0.000 ± 0.000 χ^2/NDF : 9.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 30.5/31

All: -0.000 ± 0.000 χ^2/NDF : 56.4/64

- sign -0.000 ± 0.000 χ^2/NDF : 25.7/32

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1460718.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1941642.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1734601.4/18

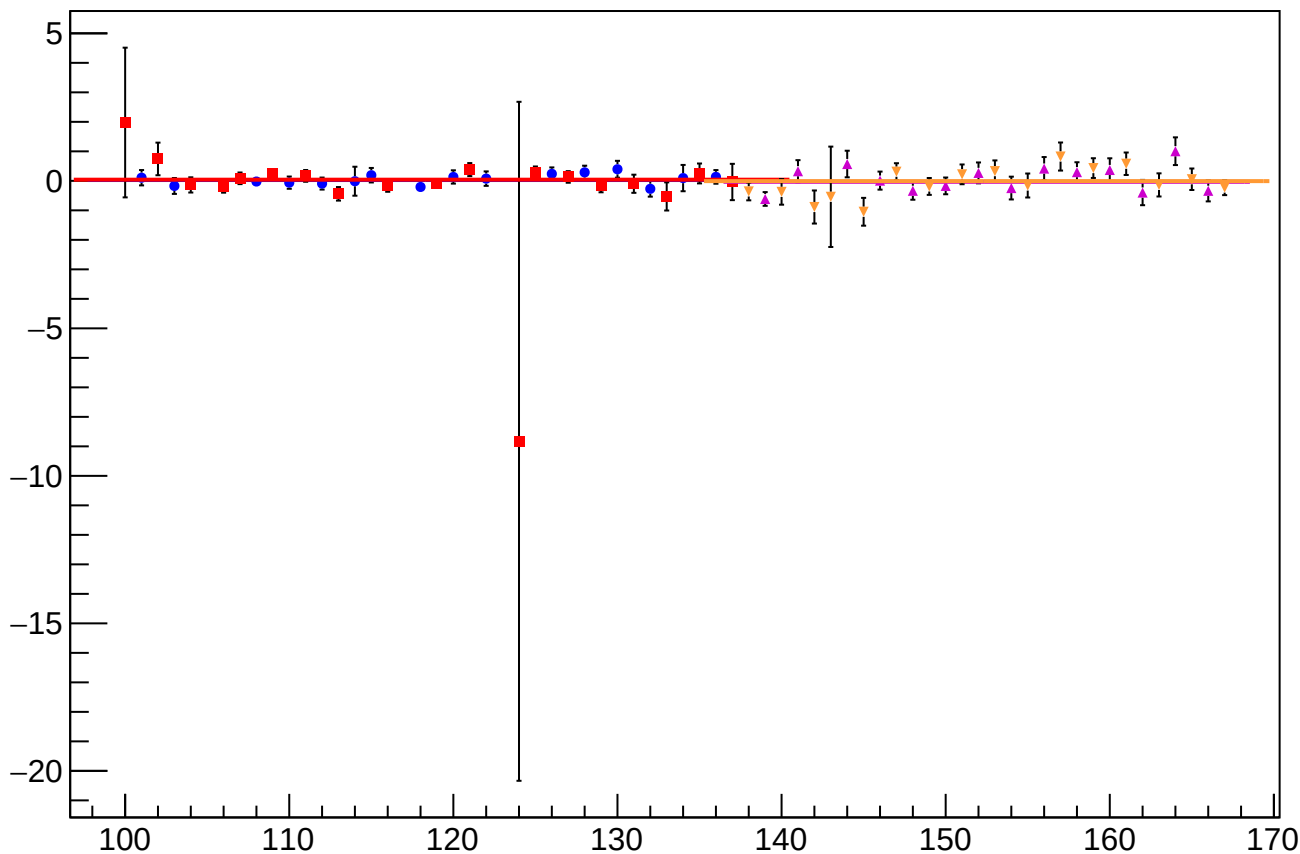
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1128190.6/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4195488.6/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7820335.9/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3171919.7/32

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

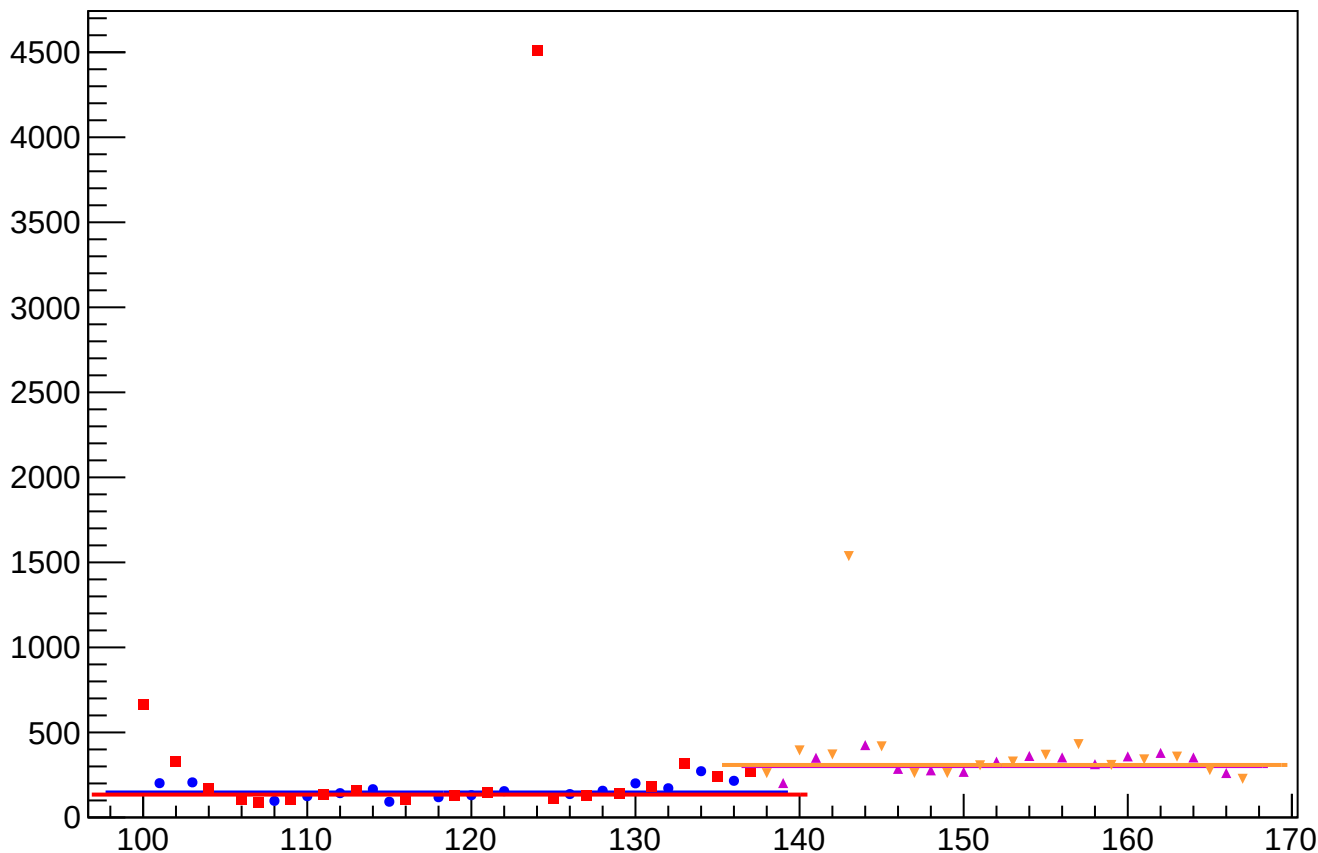
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

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: 308.672+/-0.064 χ^2/NDF : 1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

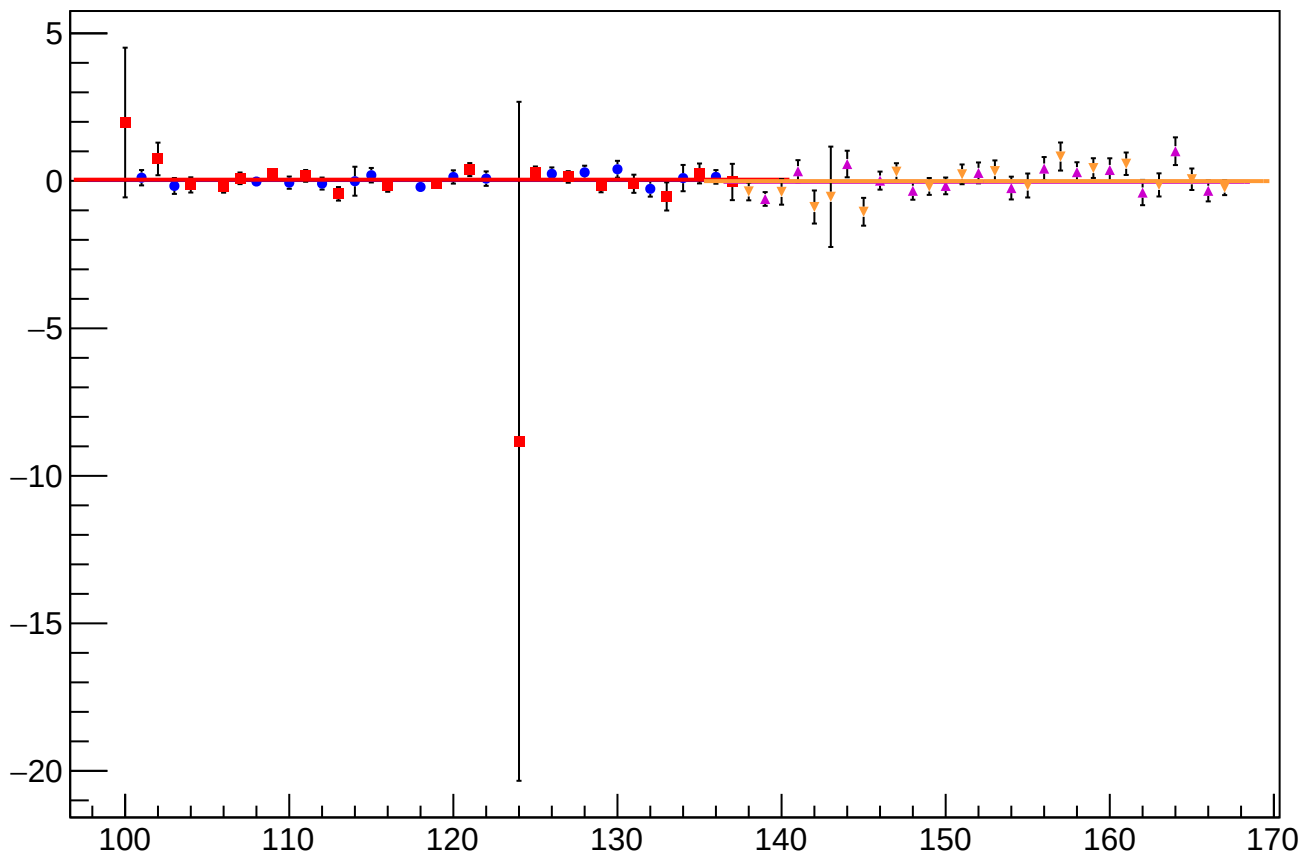
Left In: 302.097+/-0.065 χ^2/NDF : 849625.7/13

+ sign 193.213+/-0.034 χ^2/NDF : 7364639.7/31

All: 185.611+/-0.024 χ^2/NDF : 14832301.6/64

- sign 178.530+/-0.033 χ^2/NDF : 7373675.3/32

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

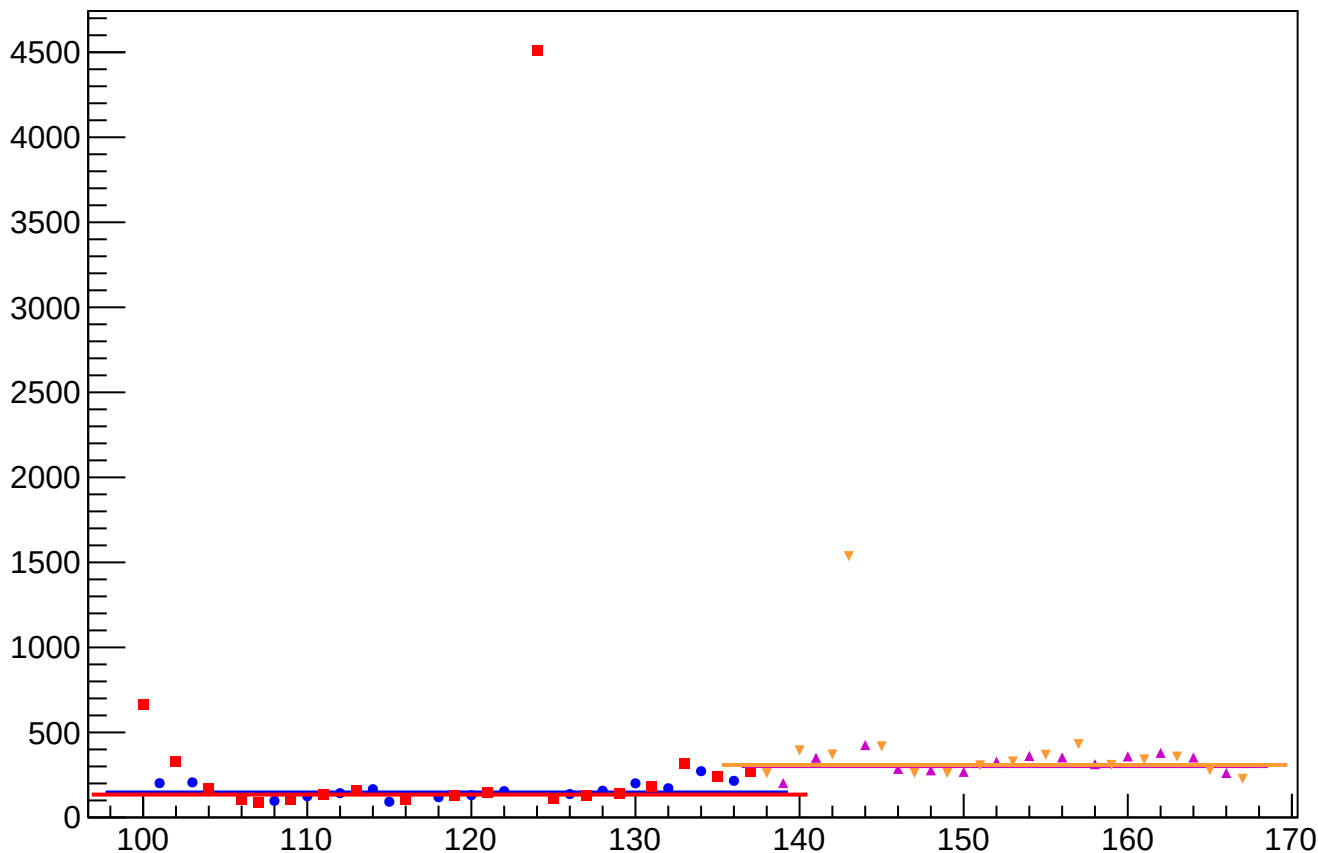
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 308.672 $\pm$ 0.064 χ^2 /NDF: 1856686.7/15

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

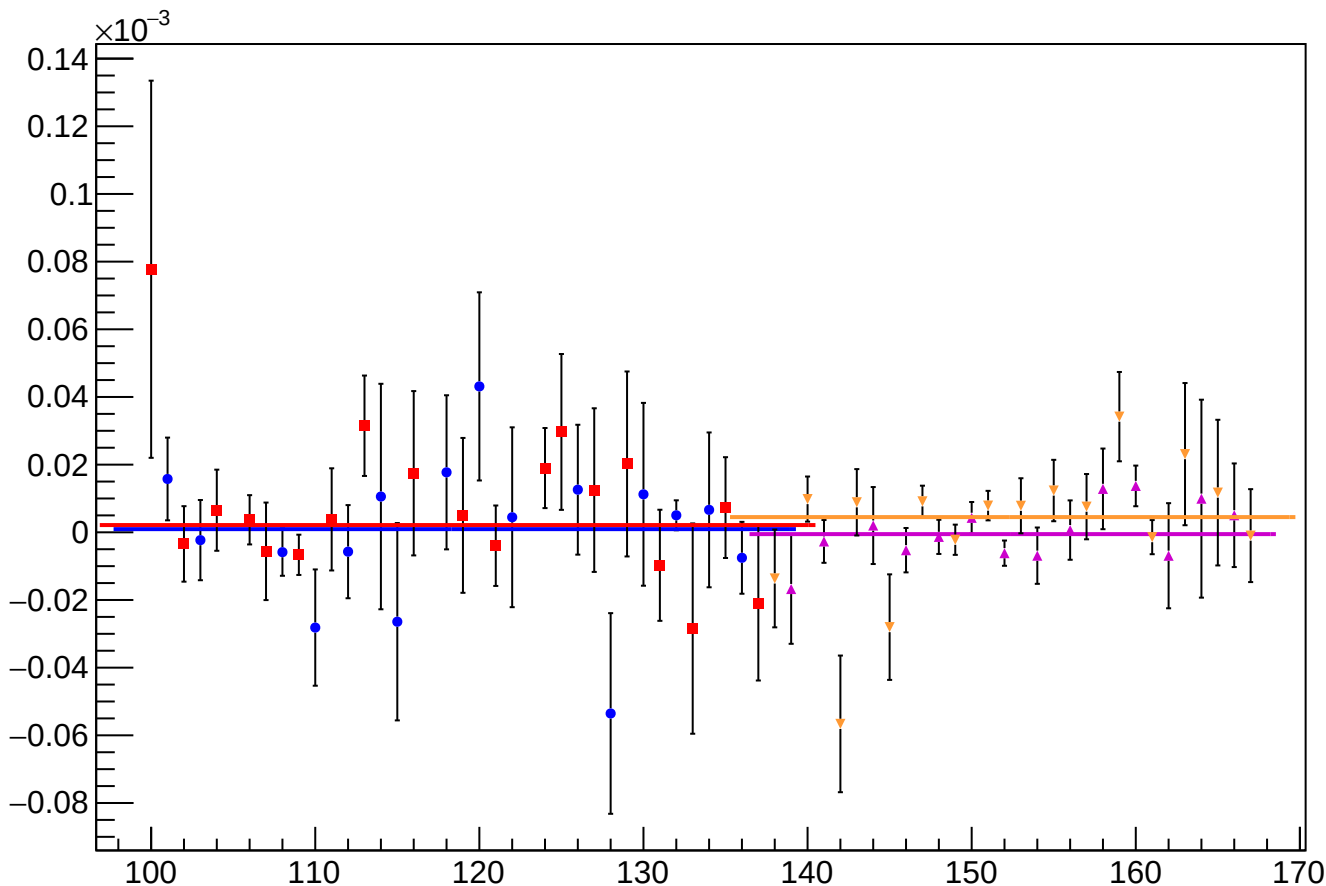
Left In: 302.097 $\pm$ 0.065 χ^2 /NDF: 849625.7/13

+ sign 193.213 $\pm$ 0.034 χ^2 /NDF: 7364639.7/31

All: 185.611 $\pm$ 0.024 χ^2 /NDF: 14832301.6/64

- sign 178.530 $\pm$ 0.033 χ^2 /NDF: 7373675.3/32

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 : 28.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 16.0/18

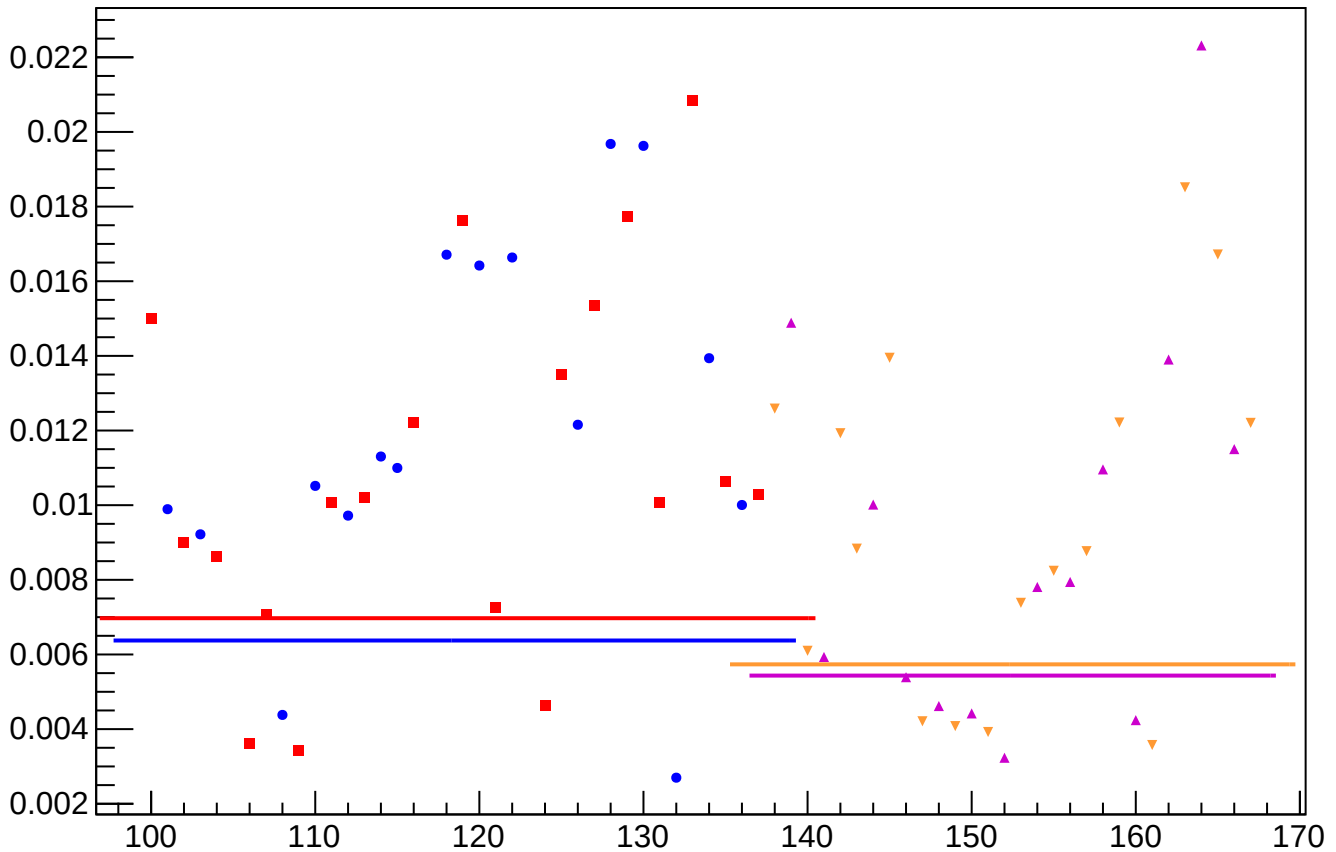
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 13.0/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 44.2/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 75.9/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 29.6/32

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: 0.006+/-0.000 χ^2/NDF :5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

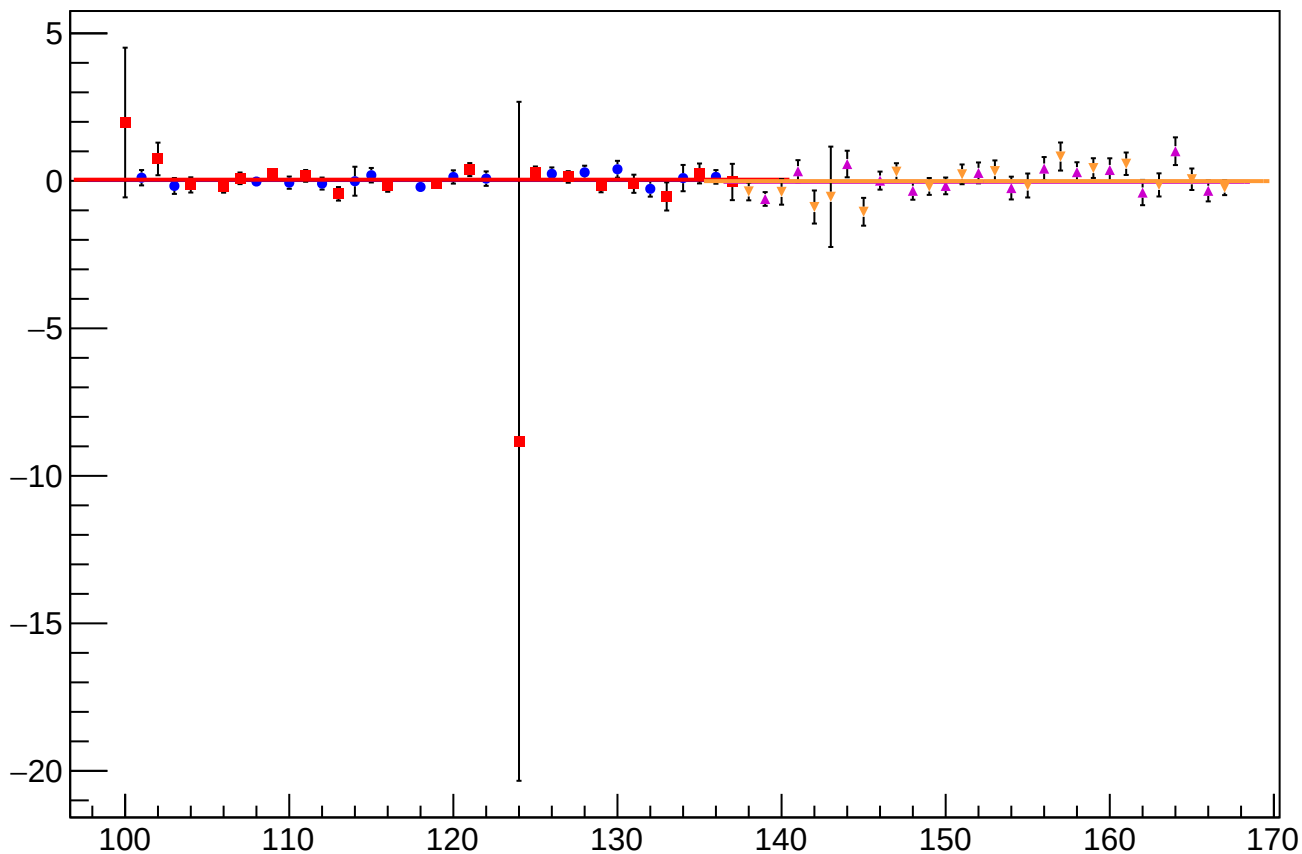
Left In: 0.005+/-0.000 χ^2/NDF :4269470.8/13

+ sign 0.006+/-0.000 χ^2/NDF : 9927954.7/31

All: 0.006+/-0.000 χ^2/NDF : 17985534.8/64

- sign 0.006+/-0.000 χ^2/NDF : 8056075.7/32

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

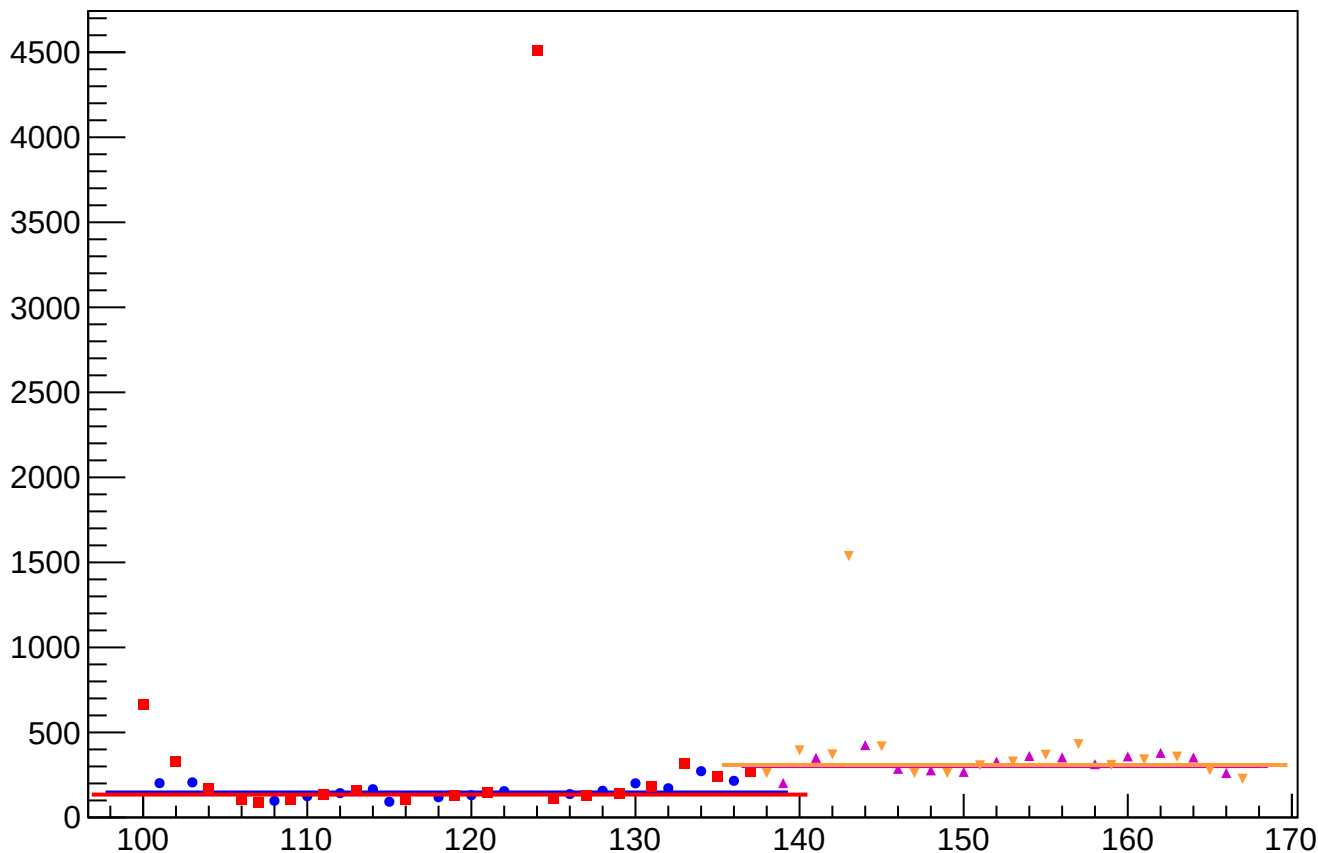
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

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: 308.676+/-0.064 χ^2/NDF : 1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

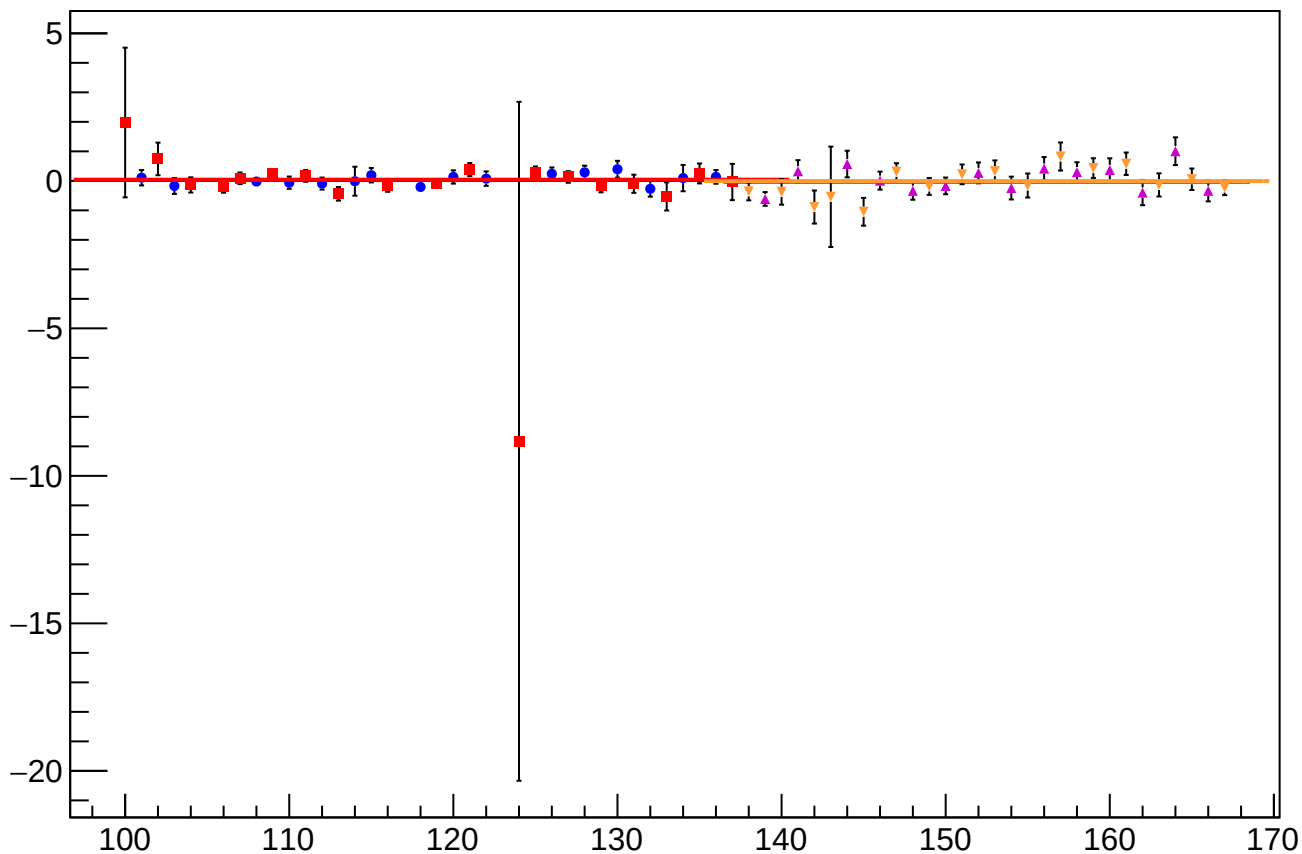
Left In: 302.102+/-0.065 χ^2/NDF : 849621.2/13

+ sign 193.213+/-0.034 χ^2/NDF : 7364748.7/31

All: 185.612+/-0.024 χ^2/NDF : 14832371.8/64

- sign 178.531+/-0.033 χ^2/NDF : 7373656.2/32

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.009 ± 0.091 χ^2/NDF : 20.6/15

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

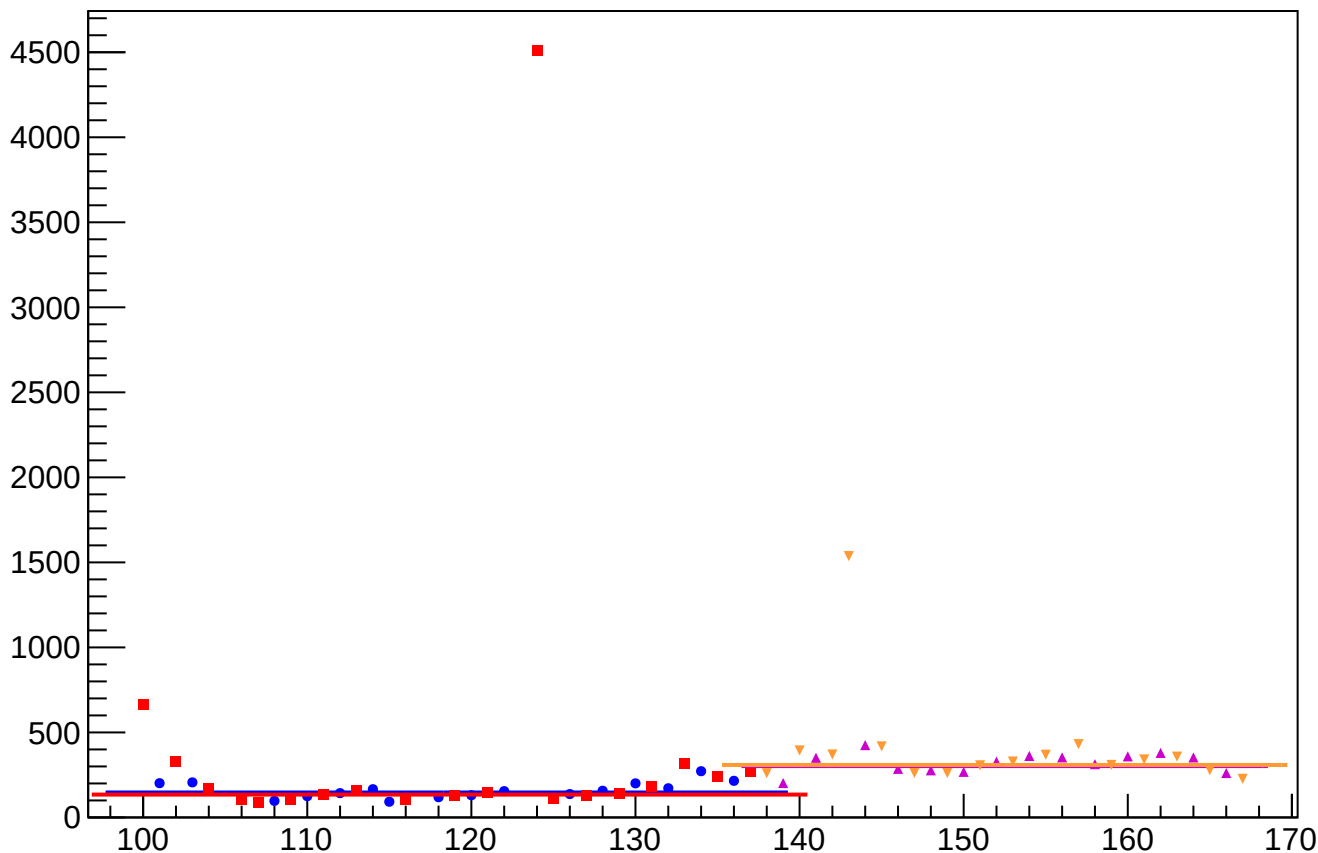
Left In: -0.033 ± 0.092 χ^2/NDF : 20.9/13

+ sign 0.017 ± 0.049 χ^2/NDF : 30.2/31

All: 0.019 ± 0.034 χ^2/NDF : 71.5/64

- sign 0.020 ± 0.047 χ^2/NDF : 41.3/32

asym_atl1r2_dd_atl2r1_dd_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: 308.676 $\pm$ 0.064 χ^2 /NDF:1856703.9/15

Right Out: 134.506 $\pm$ 0.039 χ^2 /NDF: 1606310.4/18

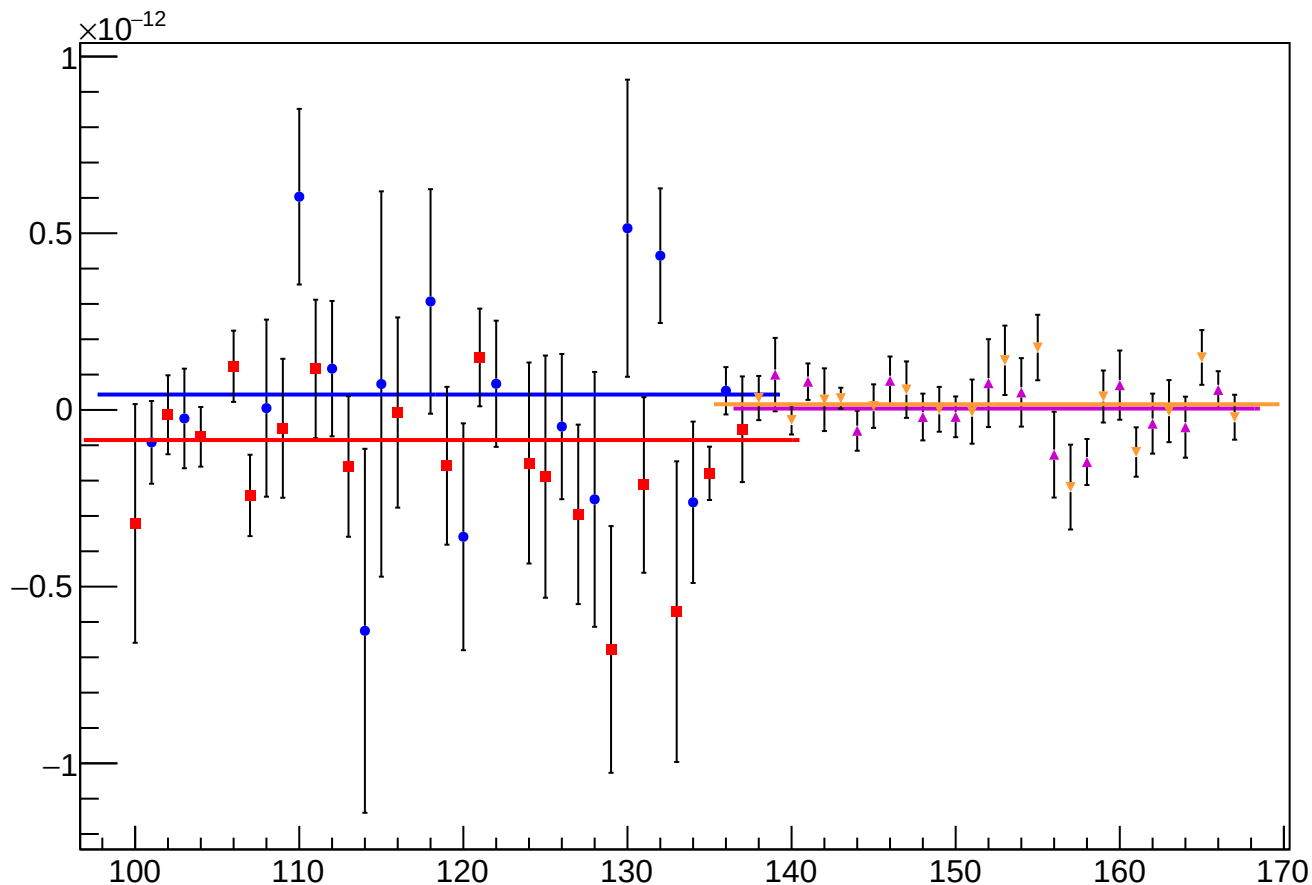
Left In: 302.102 $\pm$ 0.065 χ^2 /NDF:849621.2/13

+ sign 193.213 $\pm$ 0.034 χ^2 /NDF: 7364748.7/31

All: 185.612 $\pm$ 0.024 χ^2 /NDF: 14832371.8/64

- sign 178.531 $\pm$ 0.033 χ^2 /NDF: 7373656.2/32

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:17.6/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

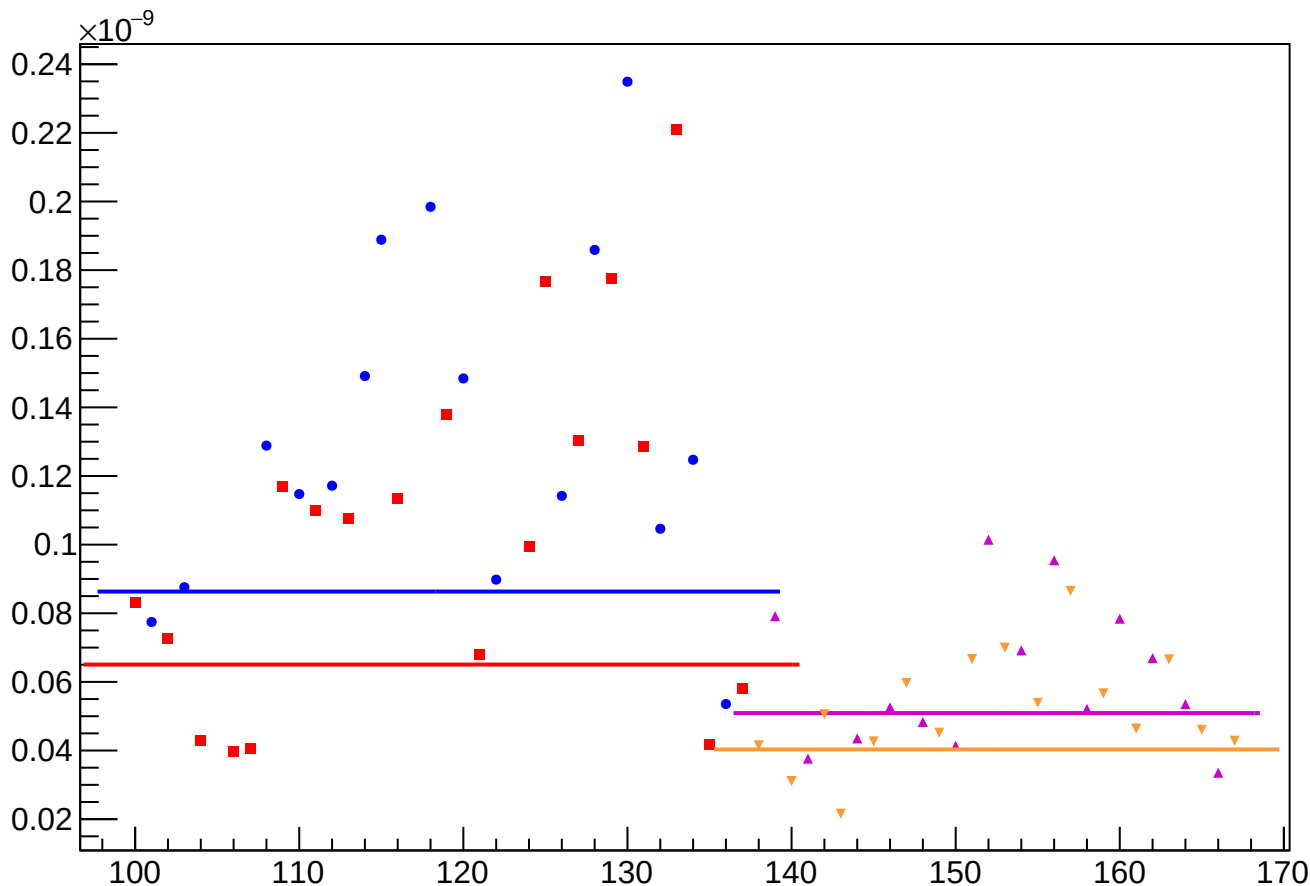
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.0/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/32

asym_atl1r2_dd_atl2r1_dd_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 : 2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

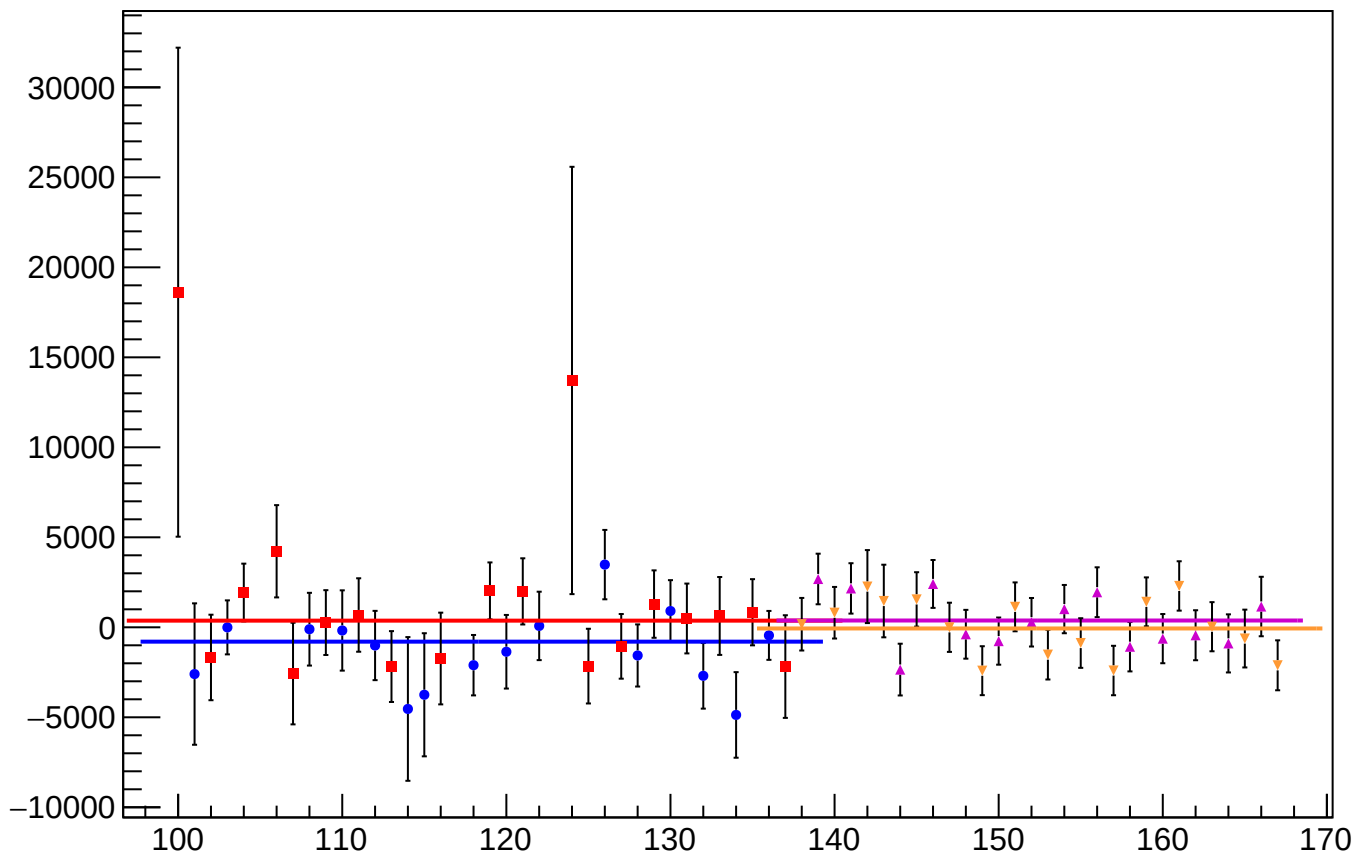
Left In: 0.000+/-0.000 χ^2/NDF : 1490918.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5670170.6/31

All: 0.000+/-0.000 χ^2/NDF : 9879379.1/64

- sign 0.000+/-0.000 χ^2/NDF : 3909834.4/32

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285 ± 487.453 χ^2/NDF : 13.4/15

Left Out: -64.536 ± 362.785 χ^2/NDF : 18.0/15

Right Out: 370.010 ± 485.826 χ^2/NDF : 15.6/18

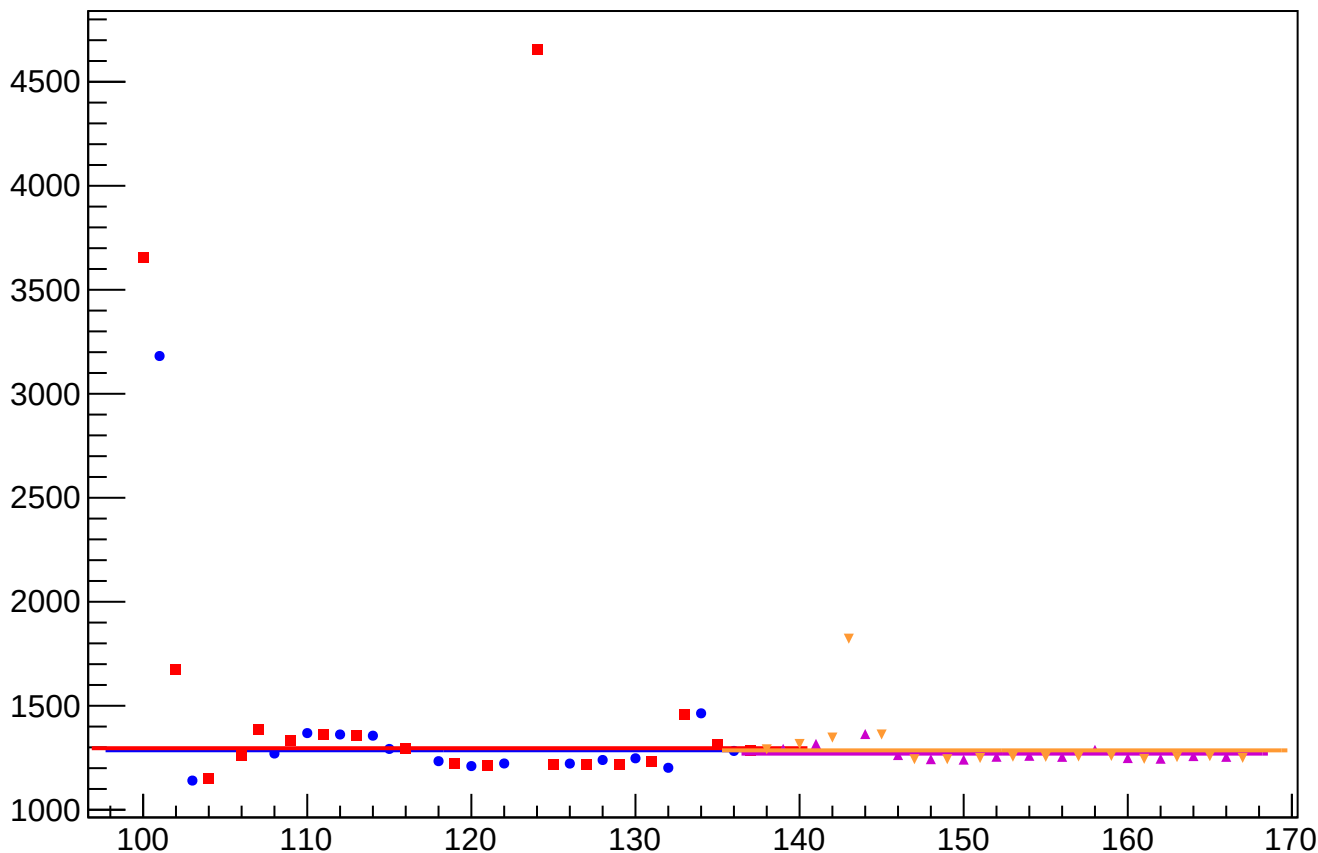
Left In: 377.870 ± 373.839 χ^2/NDF : 15.7/13

+ sign -325.731 ± 291.030 χ^2/NDF : 32.9/31

All: 18.349 ± 207.619 χ^2/NDF : 67.0/64

- sign 374.947 ± 296.276 χ^2/NDF : 31.3/32

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: 1285.581 $\pm$ 0.257 χ^2 /NDF:163512.4/15

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

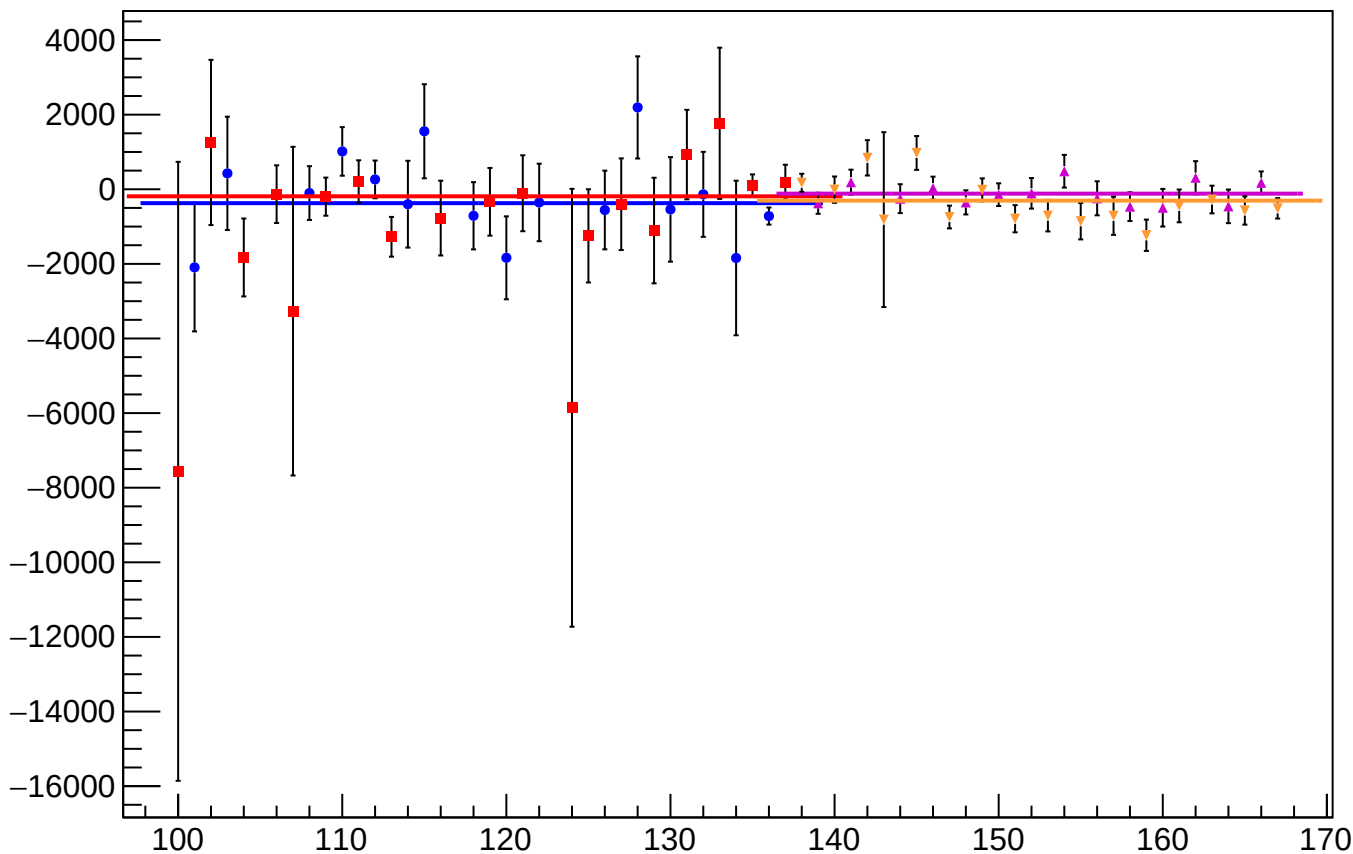
Left In: 1269.939 $\pm$ 0.264 χ^2 /NDF:15501.8/13

+ sign 1285.765 $\pm$ 0.206 χ^2 /NDF: 681640.7/31

All: 1282.742 $\pm$ 0.147 χ^2 /NDF: 1029250.7/64

- sign 1279.610 $\pm$ 0.209 χ^2 /NDF: 347170.6/32

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: -304.623 ± 93.025 χ^2/NDF : 32.1/15

Right Out: -188.945 ± 169.575 χ^2/NDF : 14.6/18

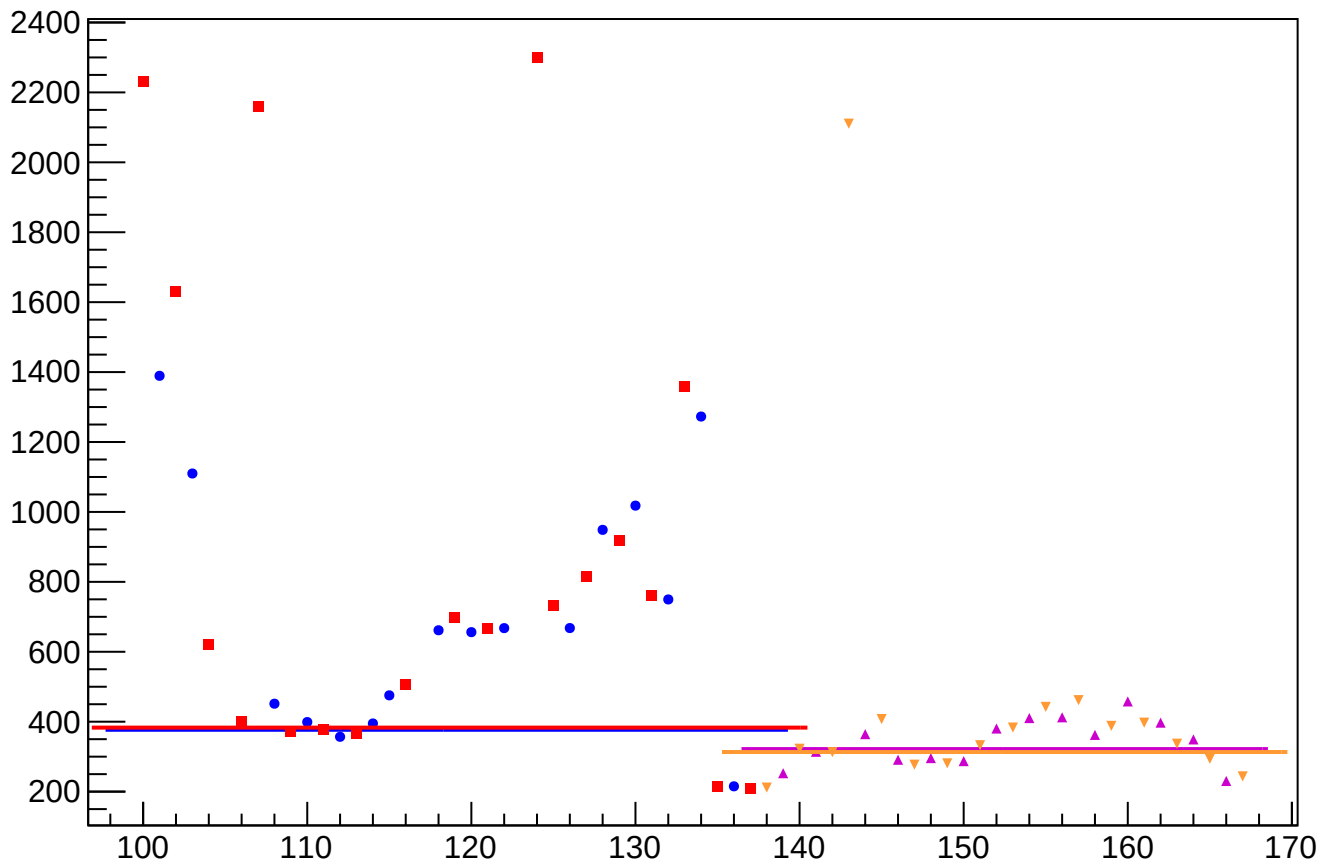
Left In: -117.124 ± 96.923 χ^2/NDF : 8.3/13

+ sign -320.480 ± 81.405 χ^2/NDF : 50.4/31

All: -230.720 ± 58.508 χ^2/NDF : 75.9/64

- sign -134.809 ± 84.148 χ^2/NDF : 23.1/32

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: 313.264+/-0.066 χ^2/NDF : 2317331.4/15

Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

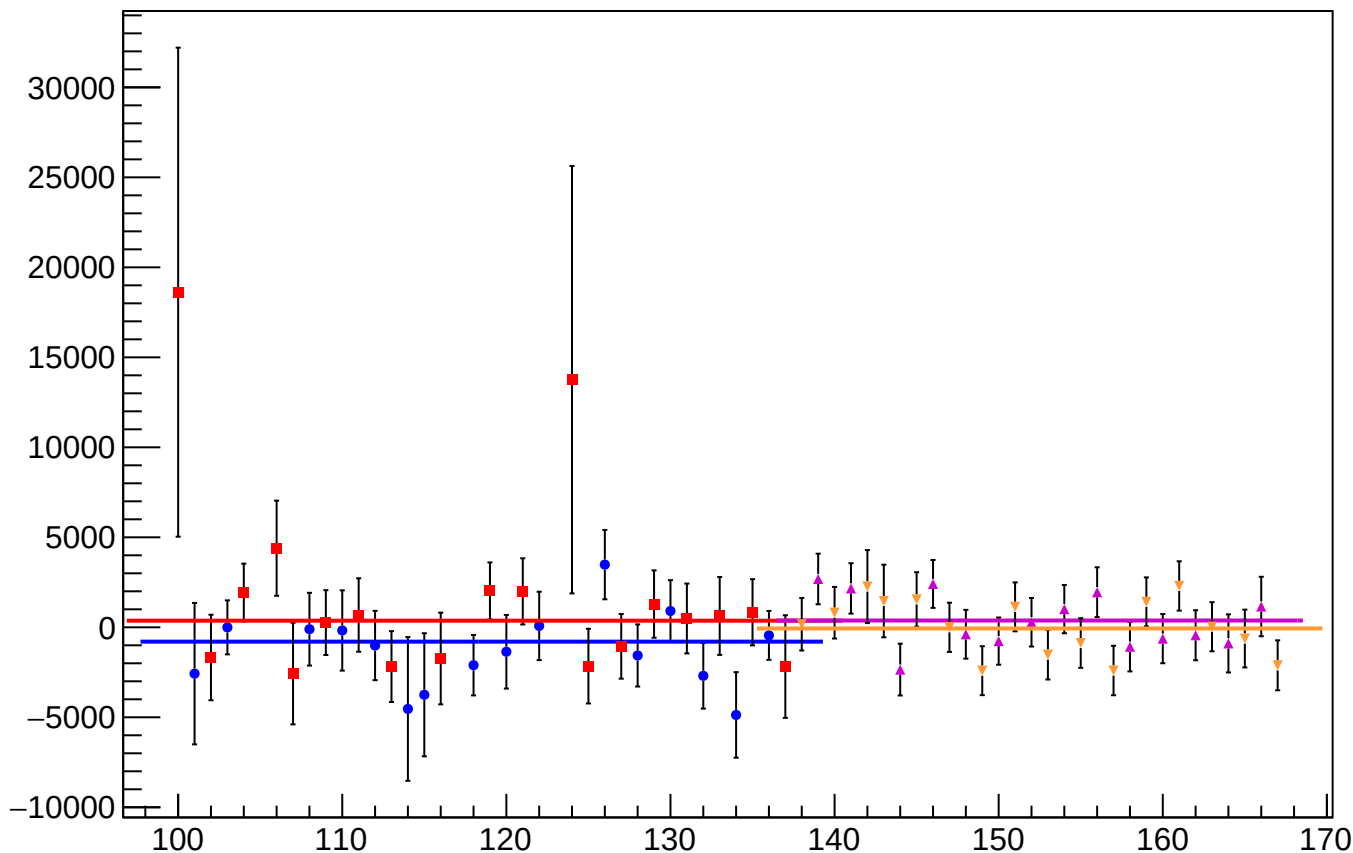
Left In: 321.695+/-0.069 χ^2/NDF : 818237.7/13

+ sign 328.167+/-0.058 χ^2/NDF : 6726687.8/31

All: 332.345+/-0.041 χ^2/NDF : 11807447.0/64

- sign 336.809+/-0.060 χ^2/NDF : 5069864.0/32

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF : 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF : 18.0/15

Right Out: 367.476+/-486.348 χ^2/NDF : 15.7/18

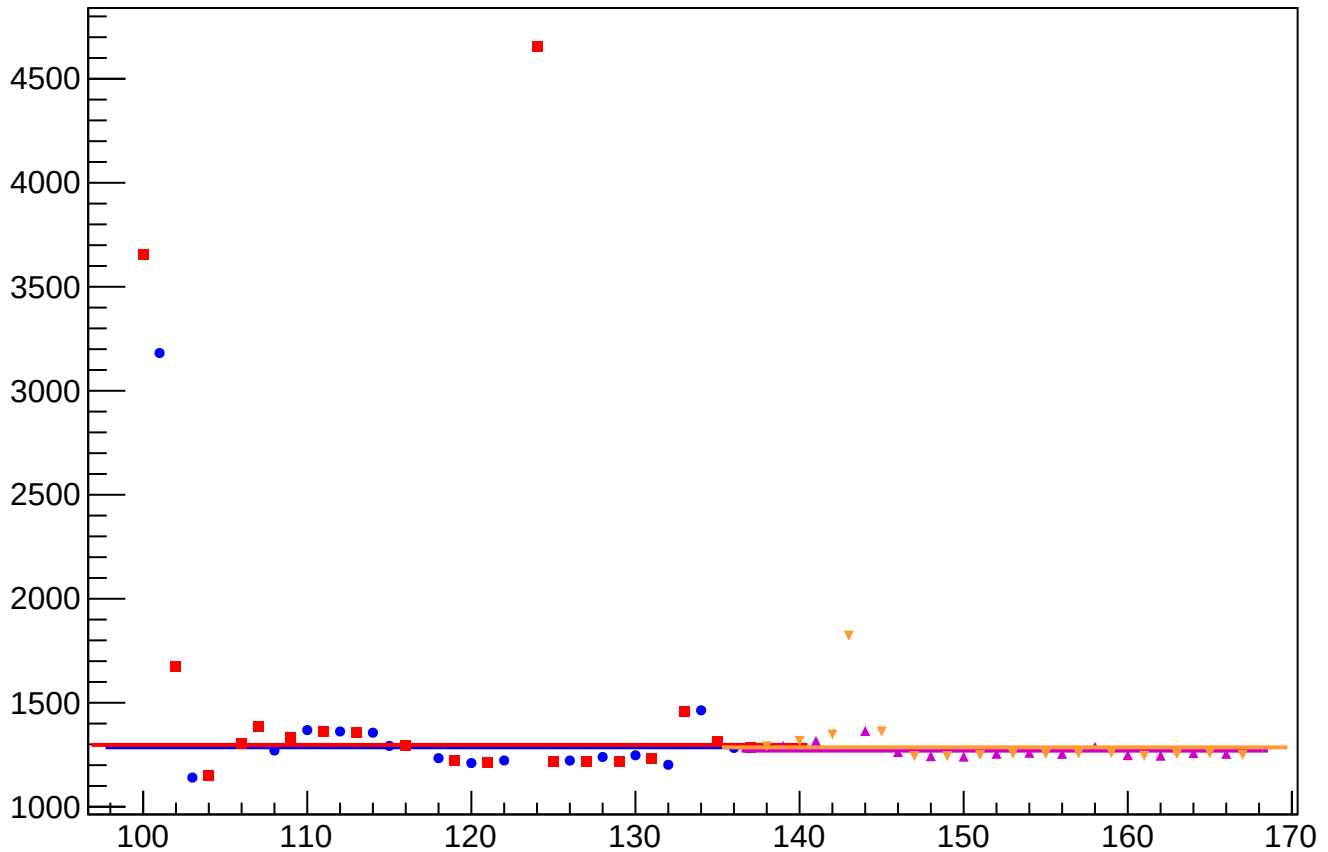
Left In: 377.818+/-373.839 χ^2/NDF : 15.7/13

+ sign -325.550+/-291.030 χ^2/NDF : 32.8/31

All: 17.825+/-207.660 χ^2/NDF : 67.1/64

- sign 373.977+/-296.395 χ^2/NDF : 31.4/32

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: 1285.581 $\pm$ 0.257 χ^2 /NDF: 163512.3/15

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

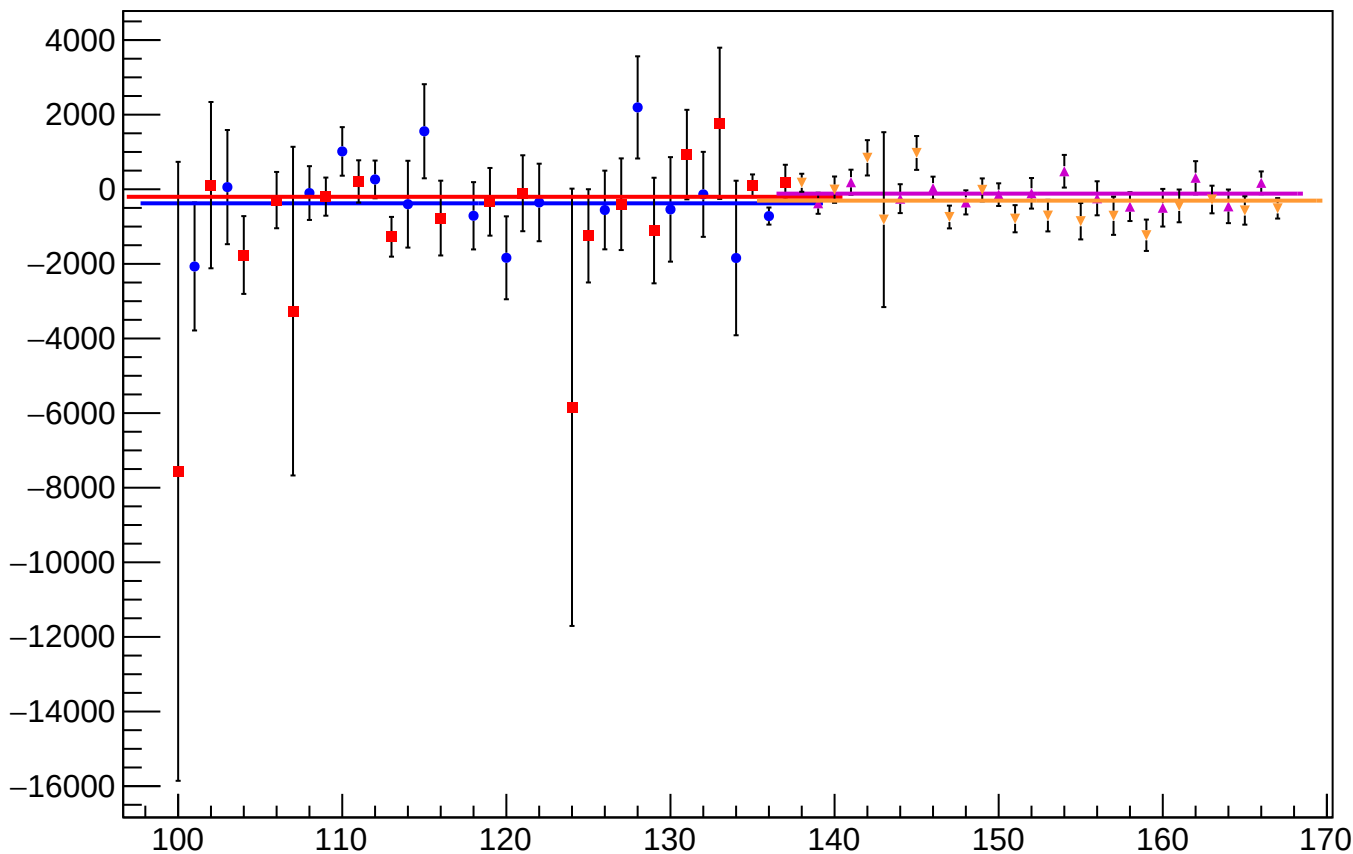
Left In: 1269.939 $\pm$ 0.264 χ^2 /NDF: 15501.8/13

+ sign 1285.765 $\pm$ 0.206 χ^2 /NDF: 681642.2/31

All: 1283.002 $\pm$ 0.147 χ^2 /NDF: 1029259.3/64

- sign 1280.136 $\pm$ 0.210 χ^2 /NDF: 347249.9/32

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: -304.631 ± 93.028 χ^2/NDF : 32.1/15

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

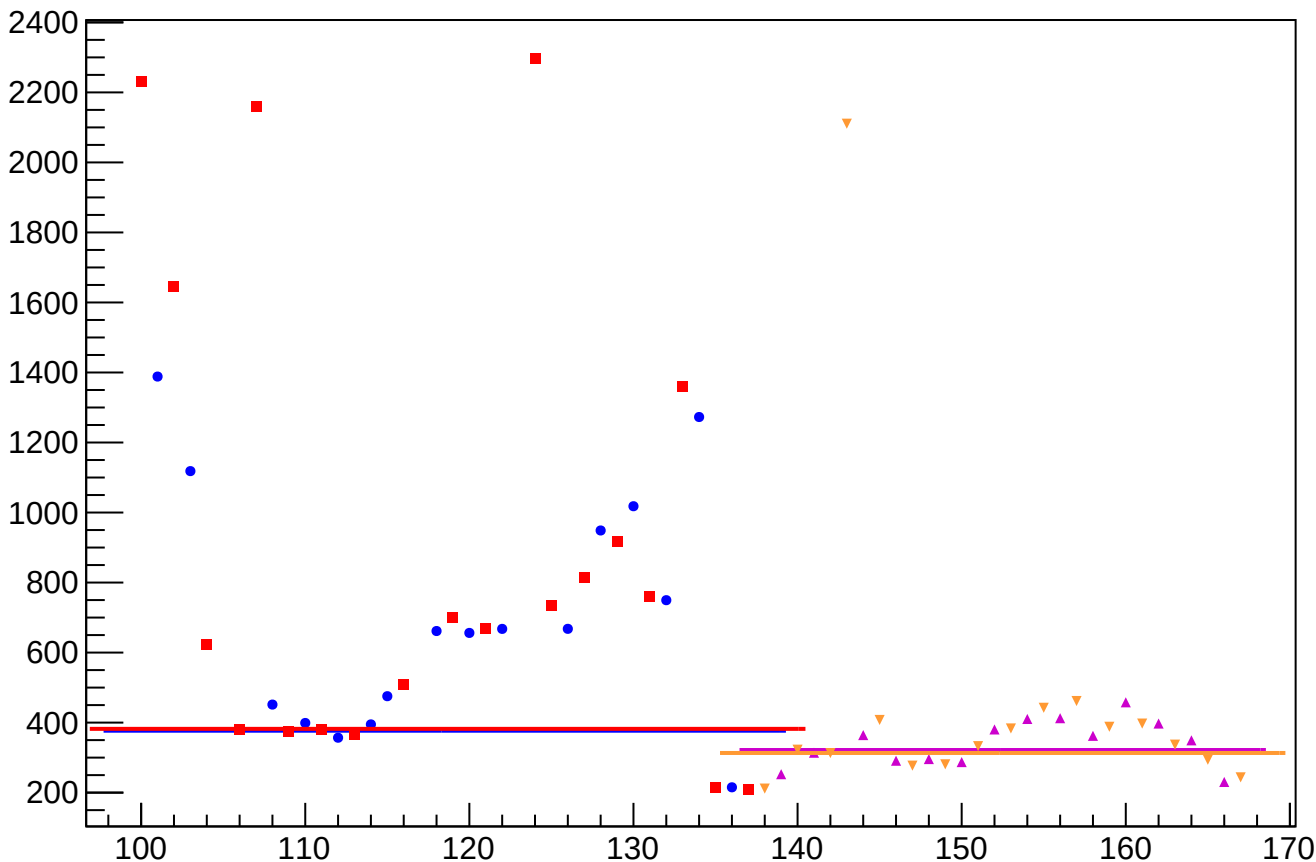
Left In: -117.149 ± 96.923 χ^2/NDF : 8.3/13

+ sign -321.526 ± 81.409 χ^2/NDF : 50.1/31

All: -232.828 ± 58.501 χ^2/NDF : 75.1/64

- sign -138.115 ± 84.123 χ^2/NDF : 22.5/32

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: 313.272+/-0.066 χ^2/NDF : 2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

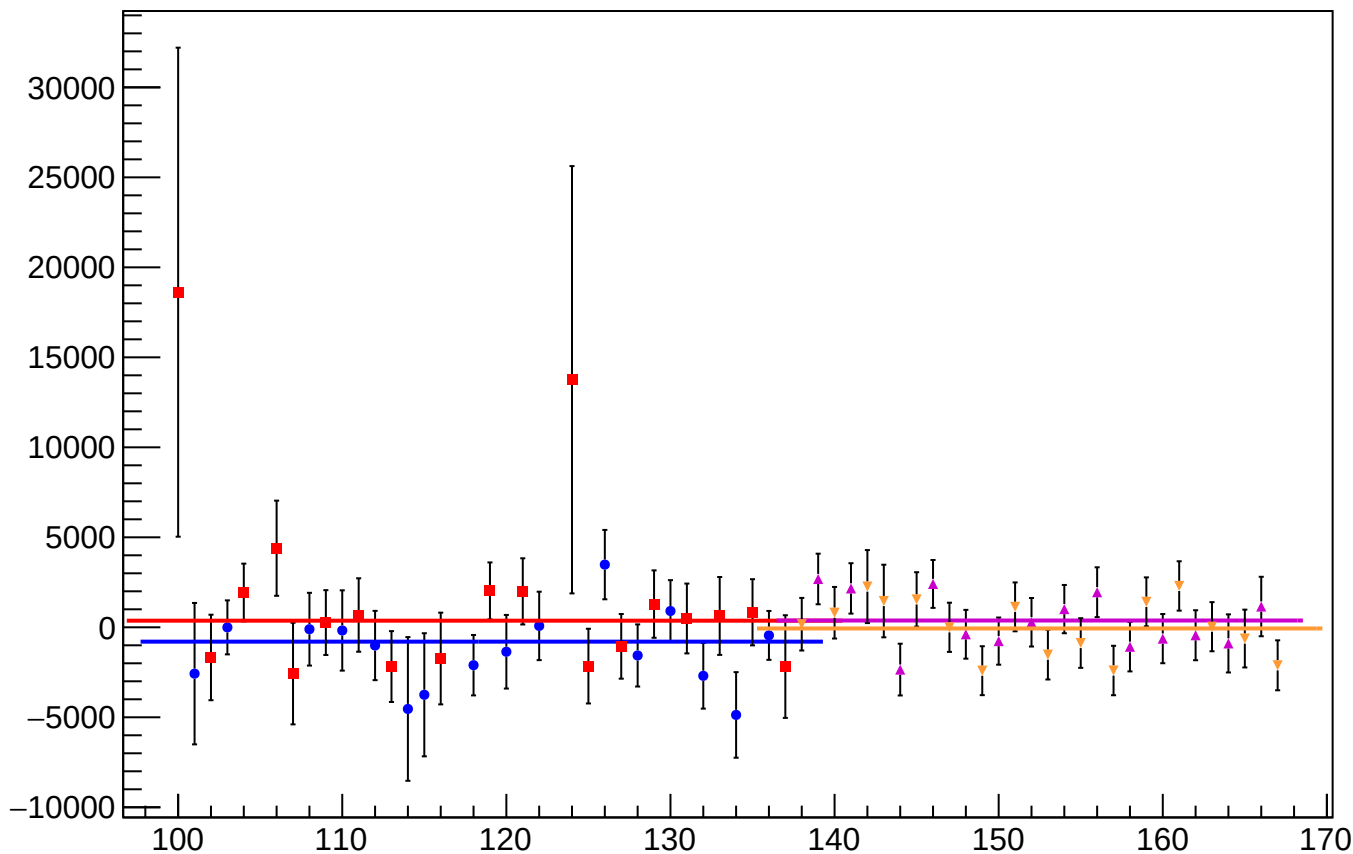
Left In: 321.694+/-0.069 χ^2/NDF : 818347.2/13

+ sign 328.170+/-0.058 χ^2/NDF : 6729517.4/31

All: 332.248+/-0.041 χ^2/NDF : 11809702.4/64

- sign 336.604+/-0.059 χ^2/NDF : 5069803.6/32

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883 $\pm$ 487.454 χ^2/NDF : 13.4/15

Left Out: -64.479 $\pm$ 362.785 χ^2/NDF :18.0/15

Right Out: 367.476 $\pm$ 486.348 χ^2/NDF : 15.7/18

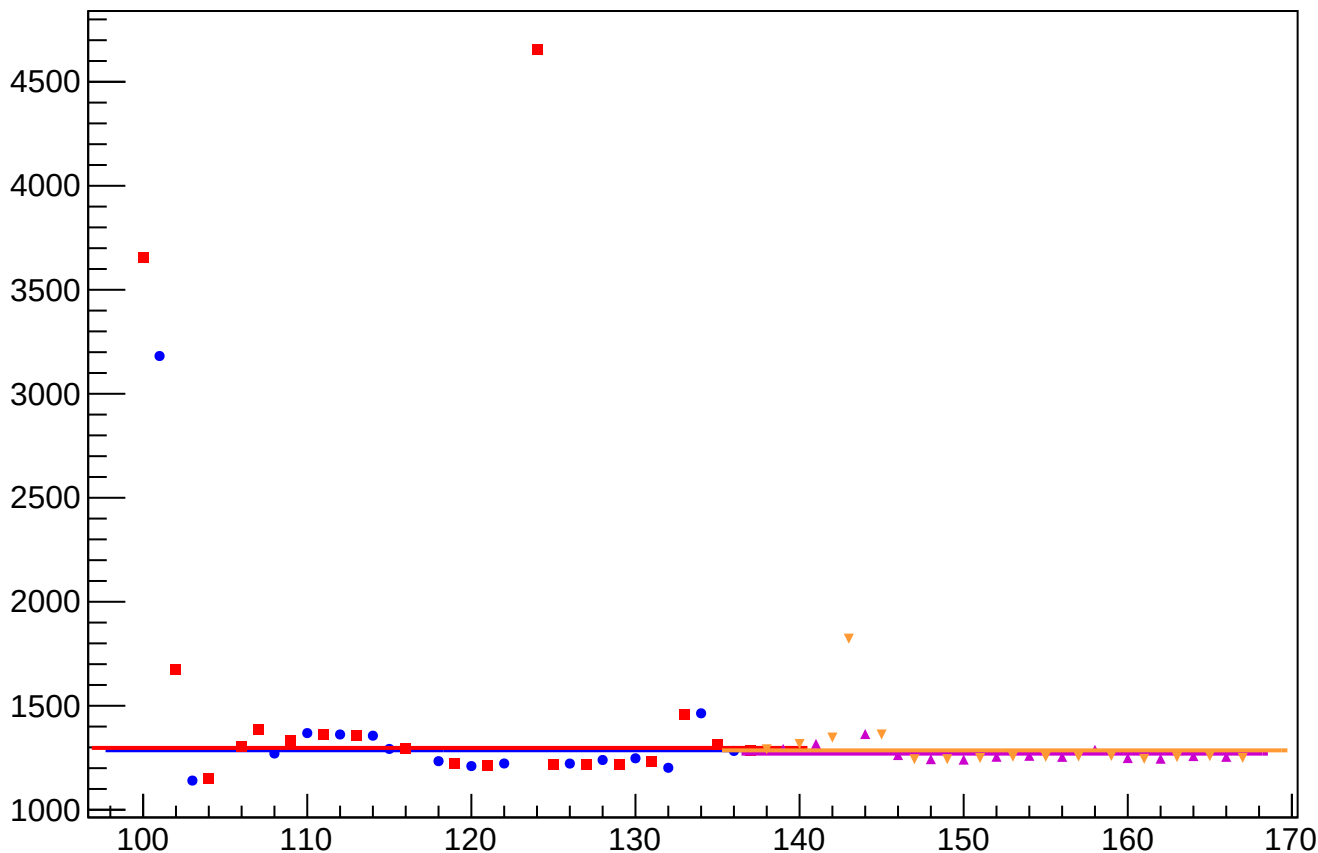
Left In: 377.818 $\pm$ 373.839 χ^2/NDF :15.7/13

+ sign -325.550 $\pm$ 291.030 χ^2/NDF : 32.8/31

All: 17.825 $\pm$ 207.660 χ^2/NDF : 67.1/64

- sign 373.977 $\pm$ 296.395 χ^2/NDF : 31.4/32

eigen_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: 1285.581 $\pm$ 0.257 χ^2 /NDF: 163512.3/15

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

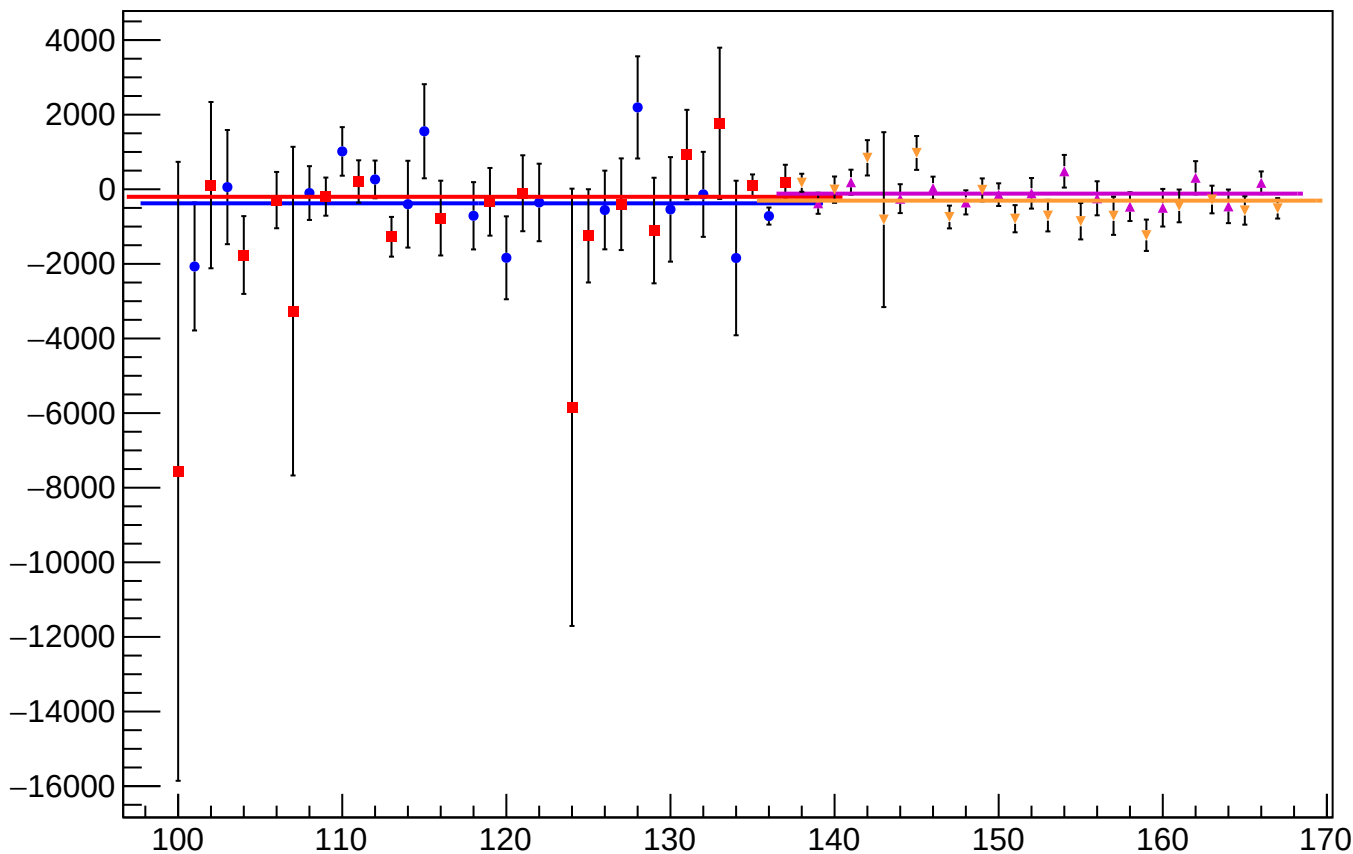
Left In: 1269.939 $\pm$ 0.264 χ^2 /NDF: 15501.8/13

+ sign 1285.765 $\pm$ 0.206 χ^2 /NDF: 681642.2/31

All: 1283.002 $\pm$ 0.147 χ^2 /NDF: 1029259.3/64

- sign 1280.136 $\pm$ 0.210 χ^2 /NDF: 347249.9/32

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: -304.631 ± 93.028 χ^2/NDF : 32.1/15

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

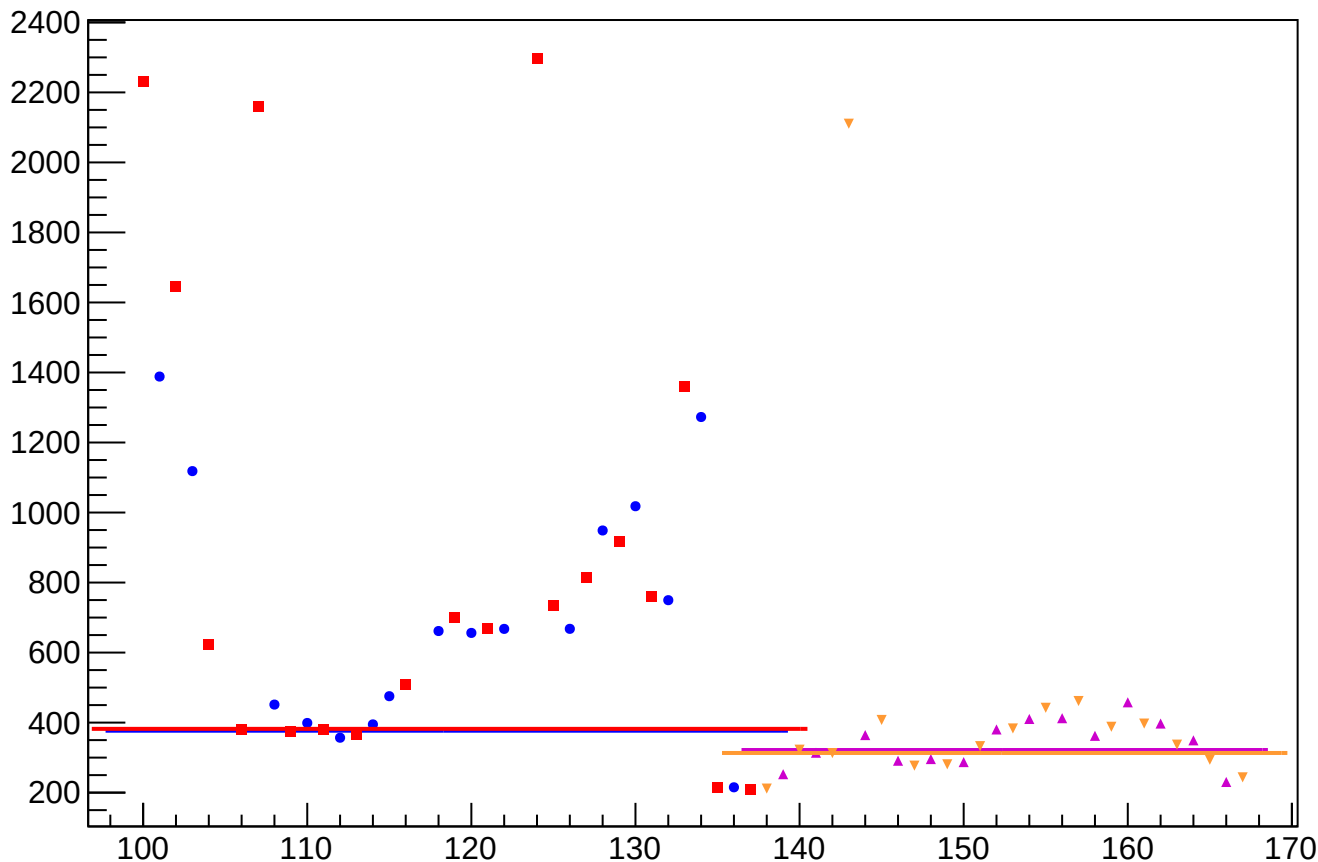
Left In: -117.149 ± 96.923 χ^2/NDF : 8.3/13

+ sign -321.526 ± 81.409 χ^2/NDF : 50.1/31

All: -232.828 ± 58.501 χ^2/NDF : 75.1/64

- sign -138.115 ± 84.123 χ^2/NDF : 22.5/32

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: 313.272+/-0.066 χ^2/NDF : 2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

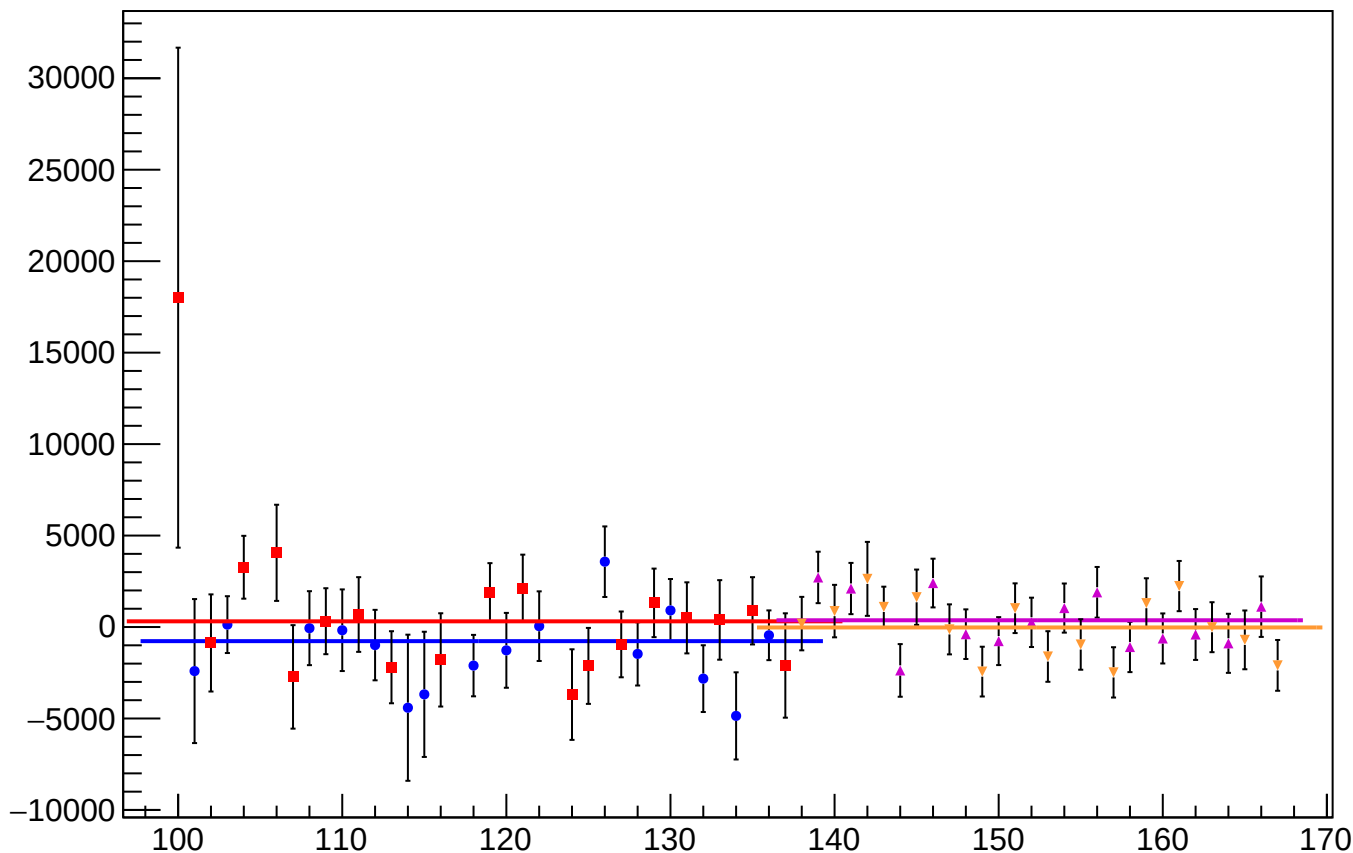
Left In: 321.694+/-0.069 χ^2/NDF : 818347.2/13

+ sign 328.170+/-0.058 χ^2/NDF : 6729517.4/31

All: 332.248+/-0.041 χ^2/NDF : 11809702.4/64

- sign 336.604+/-0.059 χ^2/NDF : 5069803.6/32

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499 $\pm$ 489.602 χ^2/NDF : 13.6/15

Left Out: -23.503 $\pm$ 350.082 χ^2/NDF : 19.2/15

Right Out: 311.418 $\pm$ 482.642 χ^2/NDF : 17.9/18

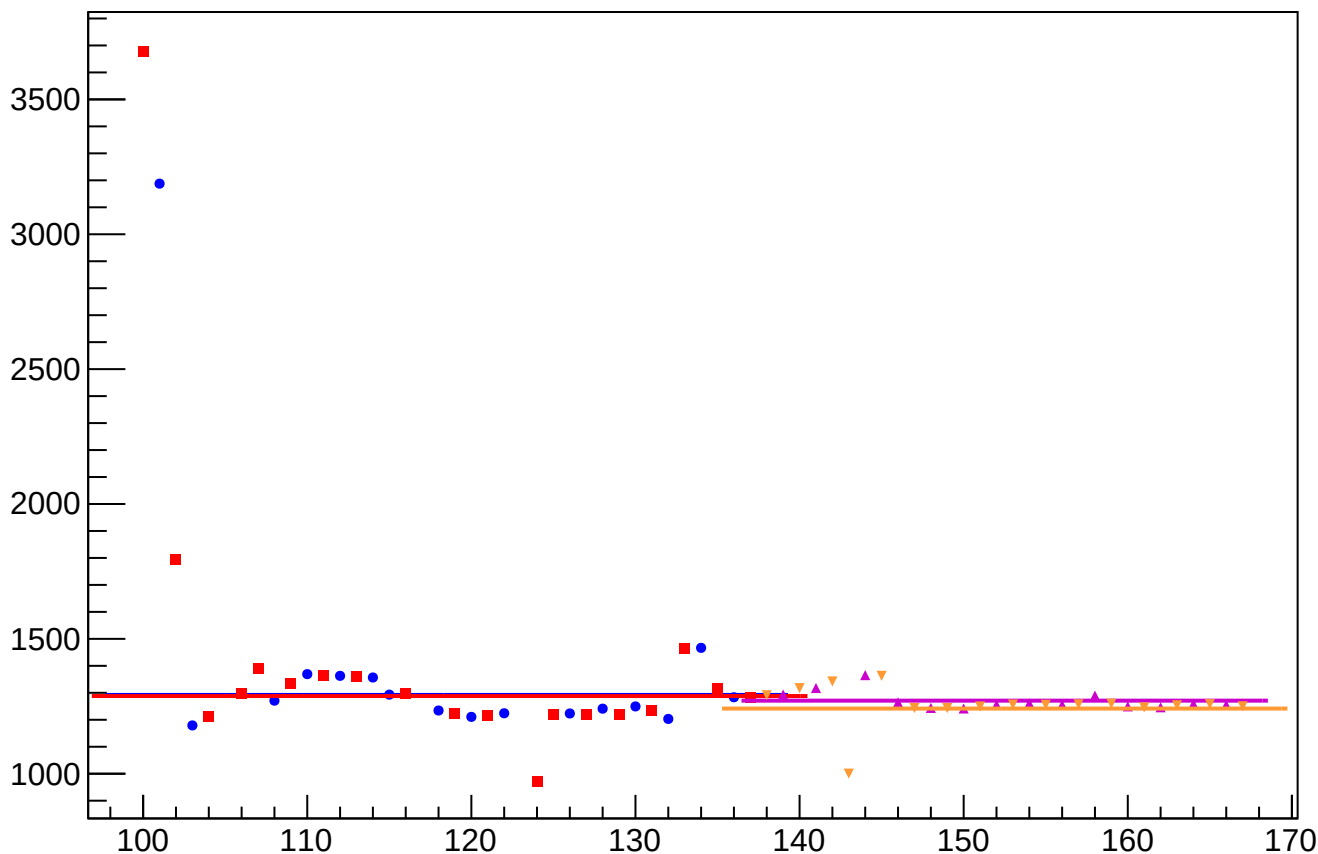
Left In: 369.436 $\pm$ 374.124 χ^2/NDF : 15.6/13

+ sign -276.555 $\pm$ 284.773 χ^2/NDF : 34.3/31

All: 23.816 $\pm$ 205.116 χ^2/NDF : 70.2/64

- sign 347.659 $\pm$ 295.690 χ^2/NDF : 33.5/32

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: 1241.561 $\pm$ 0.248 χ^2 /NDF: 122229.2/15

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

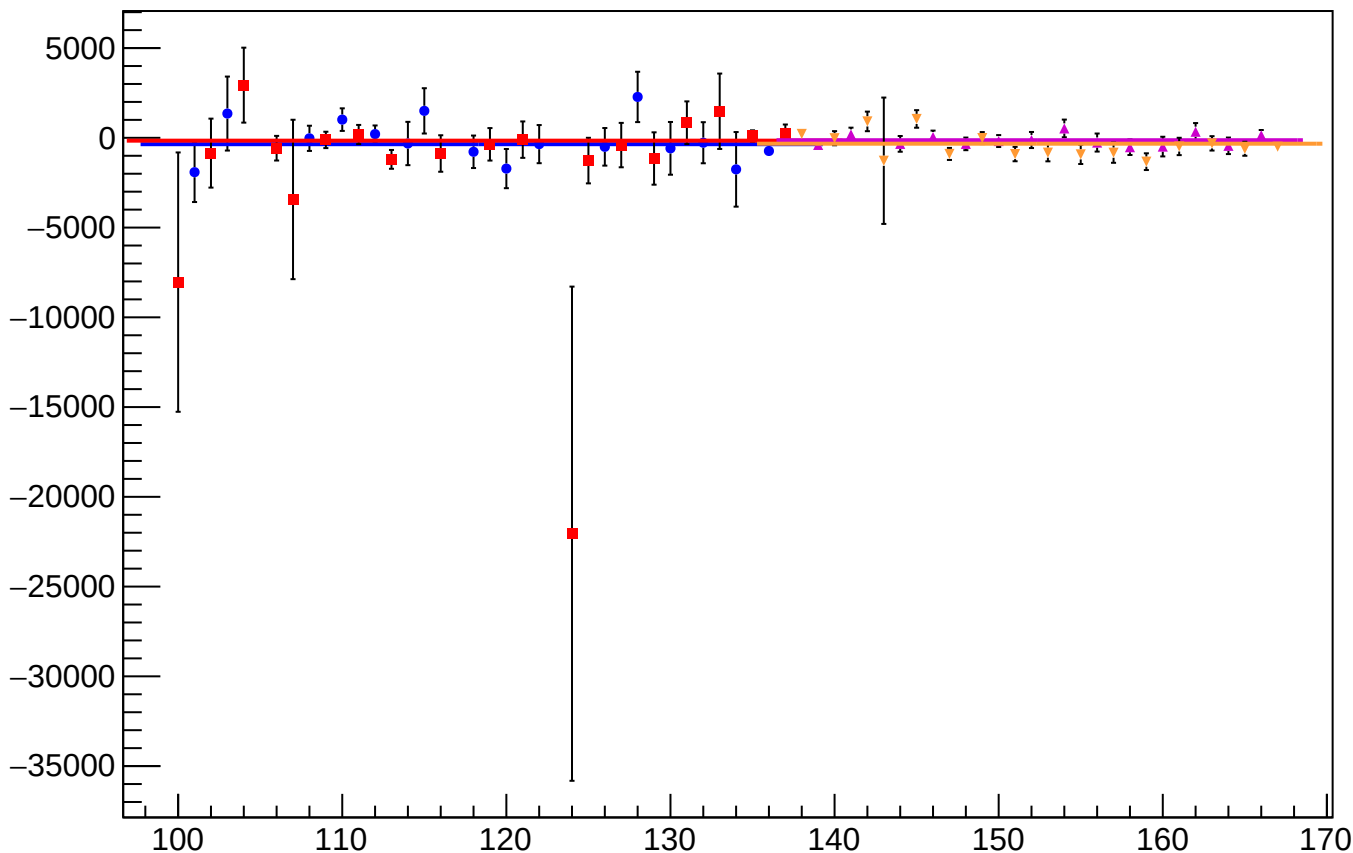
Left In: 1270.900 $\pm$ 0.265 χ^2 /NDF: 15599.3/13

+ sign 1258.637 $\pm$ 0.201 χ^2 /NDF: 645702.1/31

All: 1267.624 $\pm$ 0.145 χ^2 /NDF: 876215.8/64

- sign 1277.314 $\pm$ 0.209 χ^2 /NDF: 226374.3/32

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



Right In: -355.226 $\pm$ 169.971 χ^2 /NDF: 18.4/15

Left Out: -327.824 $\pm$ 98.934 χ^2 /NDF:33.4/15

Right Out: -157.924 $\pm$ 169.665 χ^2 /NDF: 15.8/18

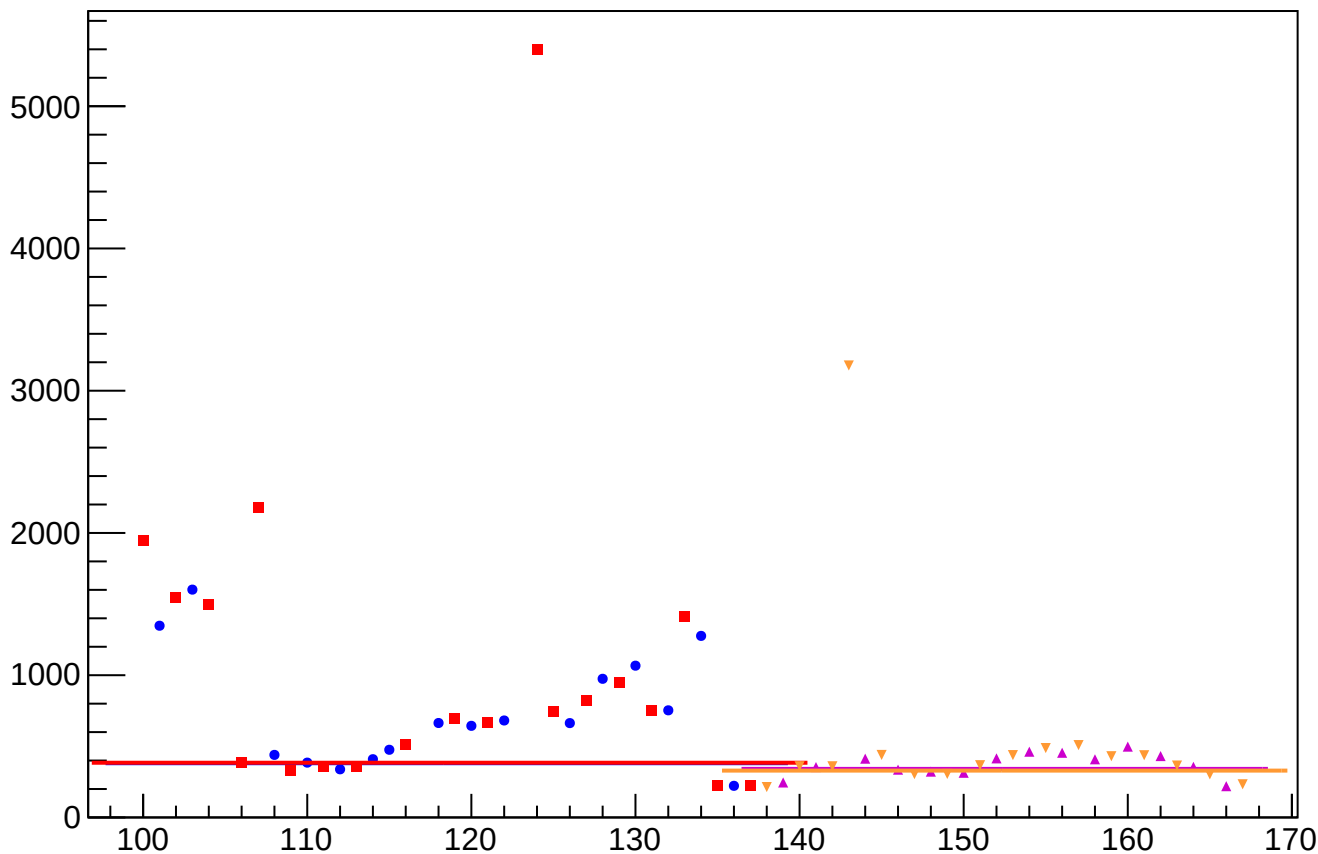
Left In: -133.328 $\pm$ 103.813 χ^2 /NDF:7.8/13

+ sign -334.759 $\pm$ 85.504 χ^2 /NDF: 51.8/31

All: -240.802 $\pm$ 61.510 χ^2 /NDF: 78.0/64

- sign -140.028 $\pm$ 88.552 χ^2 /NDF: 23.7/32

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 381.349 $\pm$ 0.120 χ^2 /NDF: 4317922.6/15

Left Out: 329.360 $\pm$ 0.070 χ^2 /NDF: 2886622.7/15

Right Out: 384.651 $\pm$ 0.120 χ^2 /NDF: 4560208.6/18

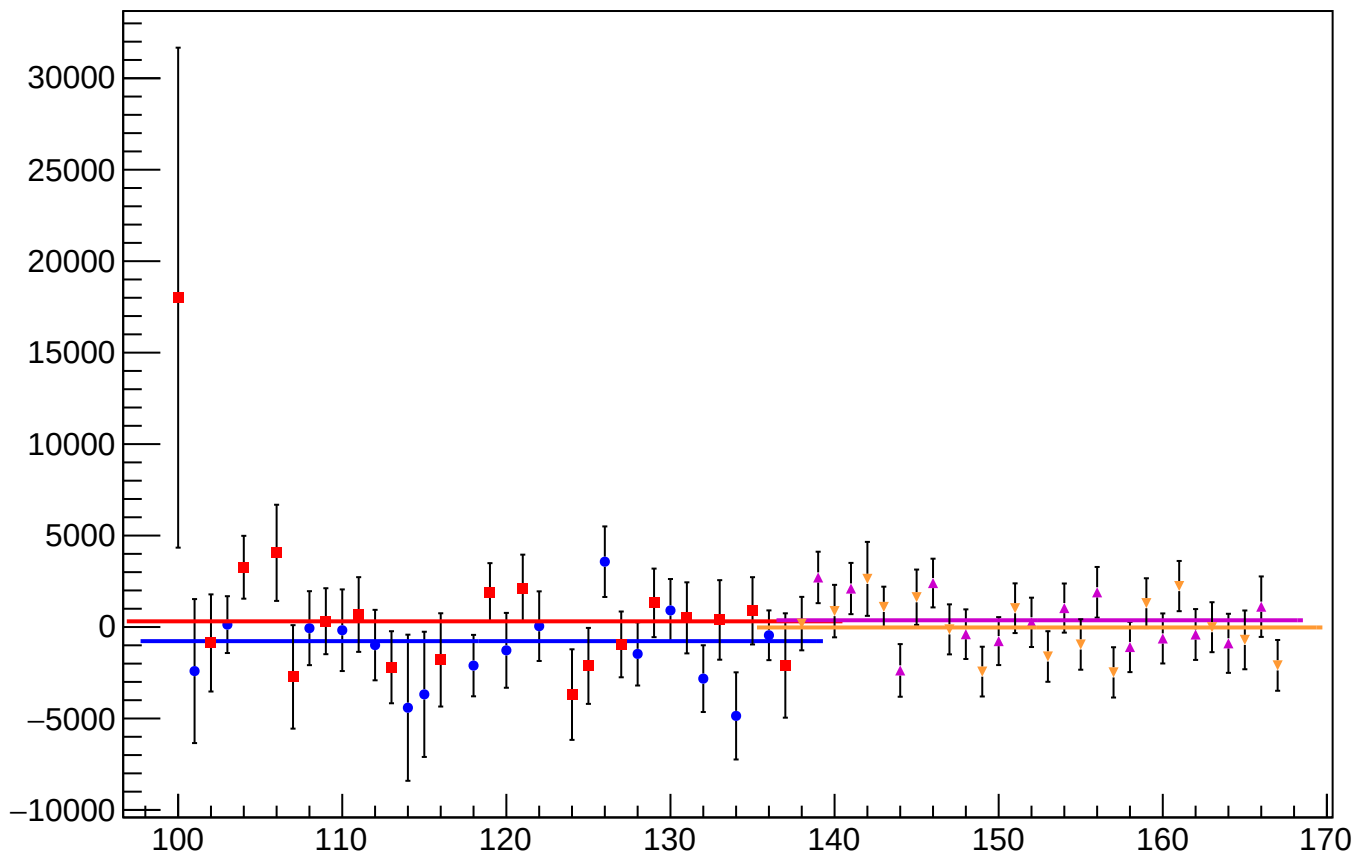
Left In: 341.365 $\pm$ 0.073 χ^2 /NDF: 1221700.0/13

+ sign 342.516 $\pm$ 0.060 χ^2 /NDF: 7344309.0/31

All: 347.650 $\pm$ 0.043 χ^2 /NDF: 13235875.3/64

- sign 353.156 $\pm$ 0.063 χ^2 /NDF: 5876623.0/32

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: -23.502 ± 350.082 χ^2/NDF : 19.2/15

Right Out: 311.419 ± 482.642 χ^2/NDF : 17.9/18

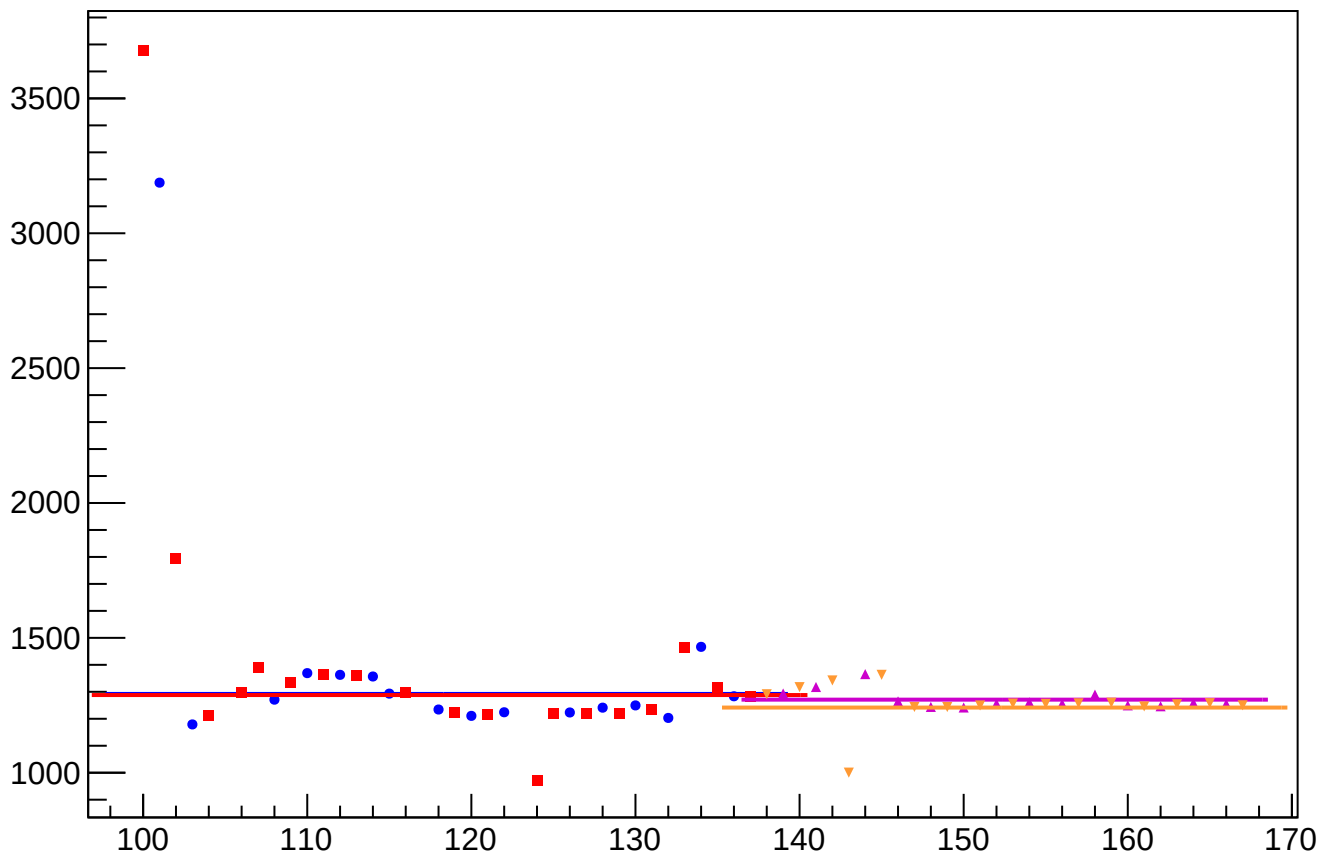
Left In: 369.436 ± 374.124 χ^2/NDF : 15.6/13

+ sign -276.555 ± 284.773 χ^2/NDF : 34.3/31

All: 23.816 ± 205.116 χ^2/NDF : 70.2/64

- sign 347.660 ± 295.690 χ^2/NDF : 33.5/32

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: 1241.561 $\pm$ 0.248 χ^2 /NDF:122228.4/15

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

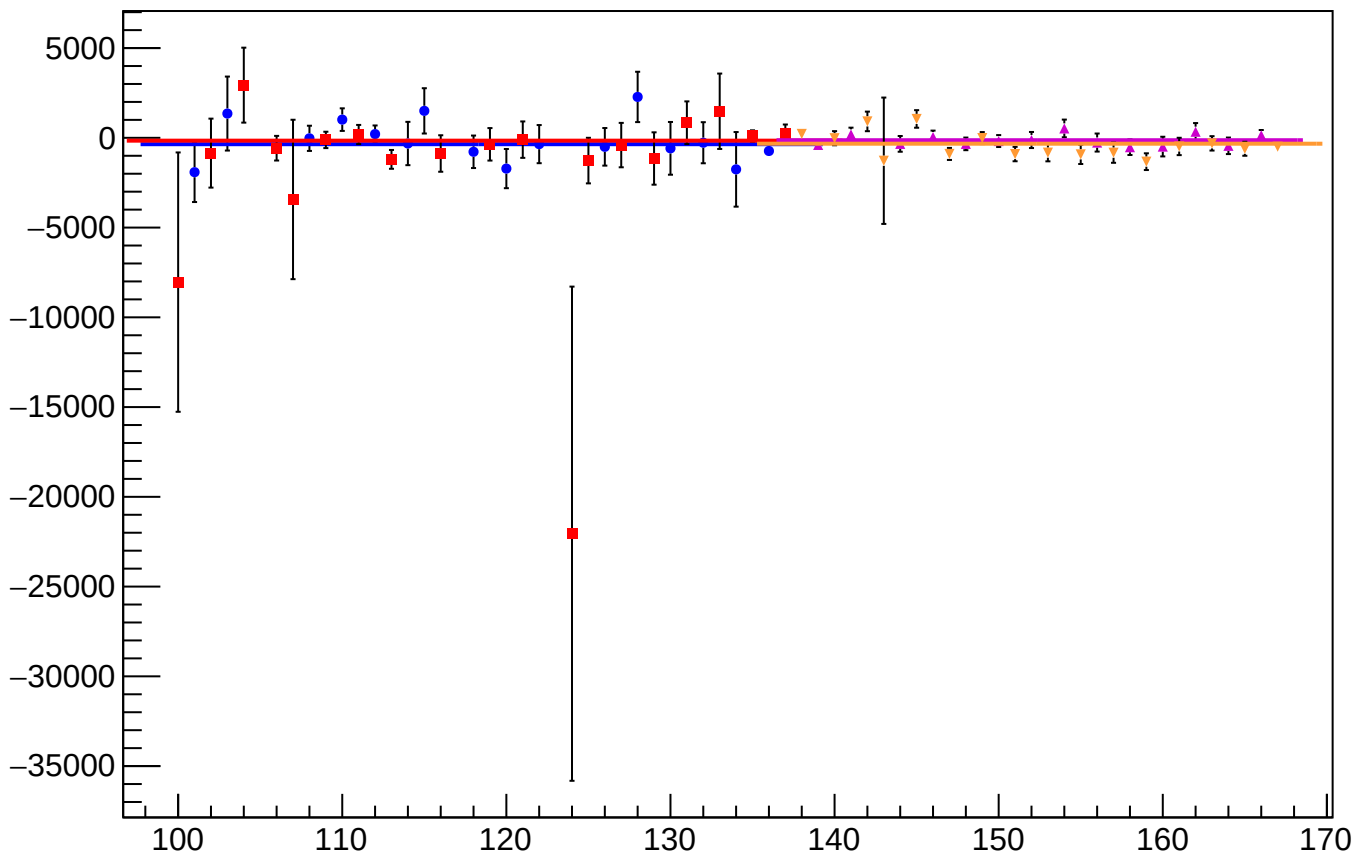
Left In: 1270.900 $\pm$ 0.265 χ^2 /NDF:15599.4/13

+ sign 1258.638 $\pm$ 0.201 χ^2 /NDF: 645701.2/31

All: 1267.625 $\pm$ 0.145 χ^2 /NDF: 876215.1/64

- sign 1277.314 $\pm$ 0.209 χ^2 /NDF: 226374.6/32

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -355.226 $\pm$ 169.973 χ^2 /NDF: 18.4/15

Left Out: -327.835 $\pm$ 98.935 χ^2 /NDF:33.4/15

Right Out: -157.929 $\pm$ 169.667 χ^2 /NDF: 15.8/18

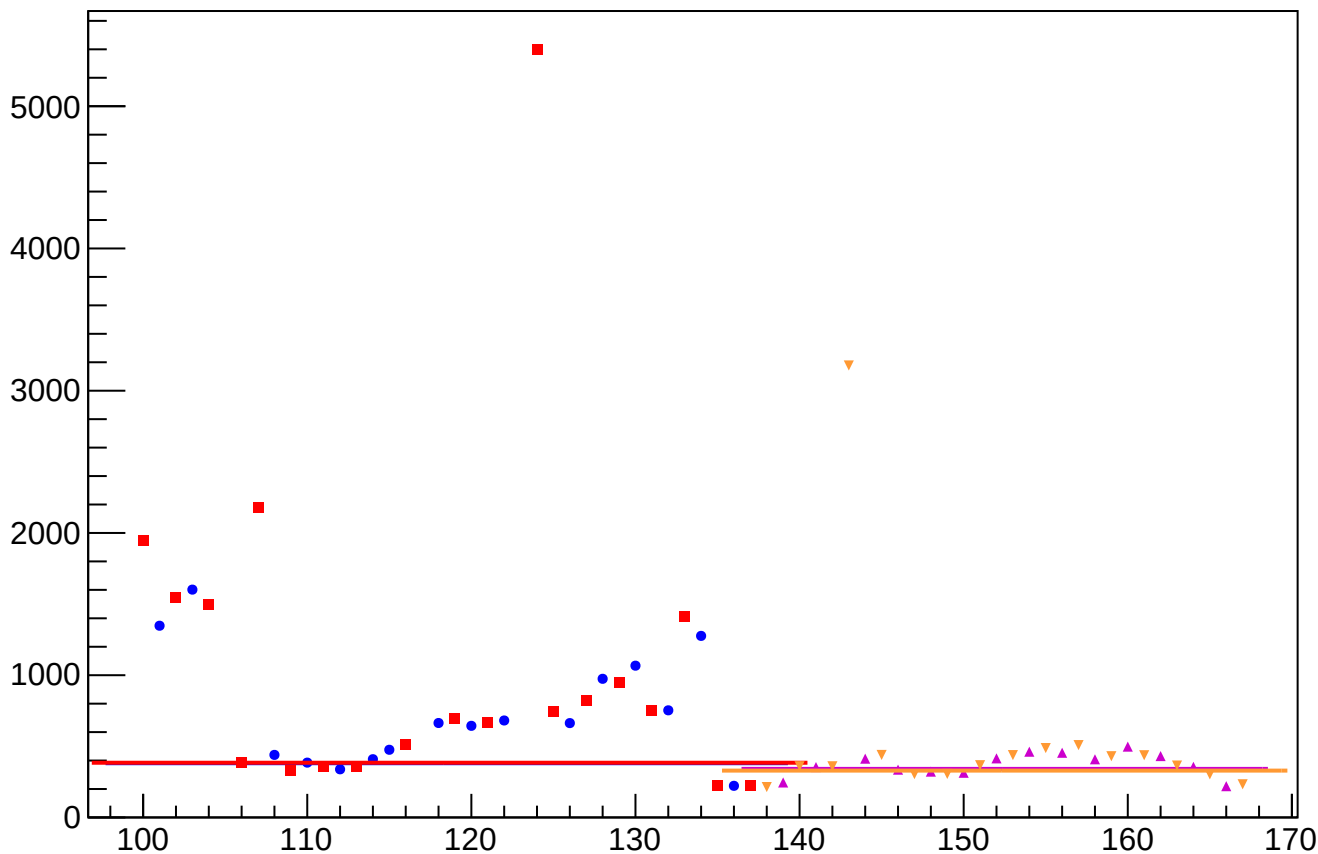
Left In: -133.327 $\pm$ 103.814 χ^2 /NDF:7.8/13

+ sign -334.766 $\pm$ 85.505 χ^2 /NDF: 51.8/31

All: -240.806 $\pm$ 61.510 χ^2 /NDF: 78.0/64

- sign -140.028 $\pm$ 88.552 χ^2 /NDF: 23.7/32

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 381.359 $\pm$ 0.120 χ^2 /NDF: 4317737.3/15

Left Out: 329.363 $\pm$ 0.070 χ^2 /NDF: 2886488.8/15

Right Out: 384.658 $\pm$ 0.120 χ^2 /NDF: 4560068.3/18

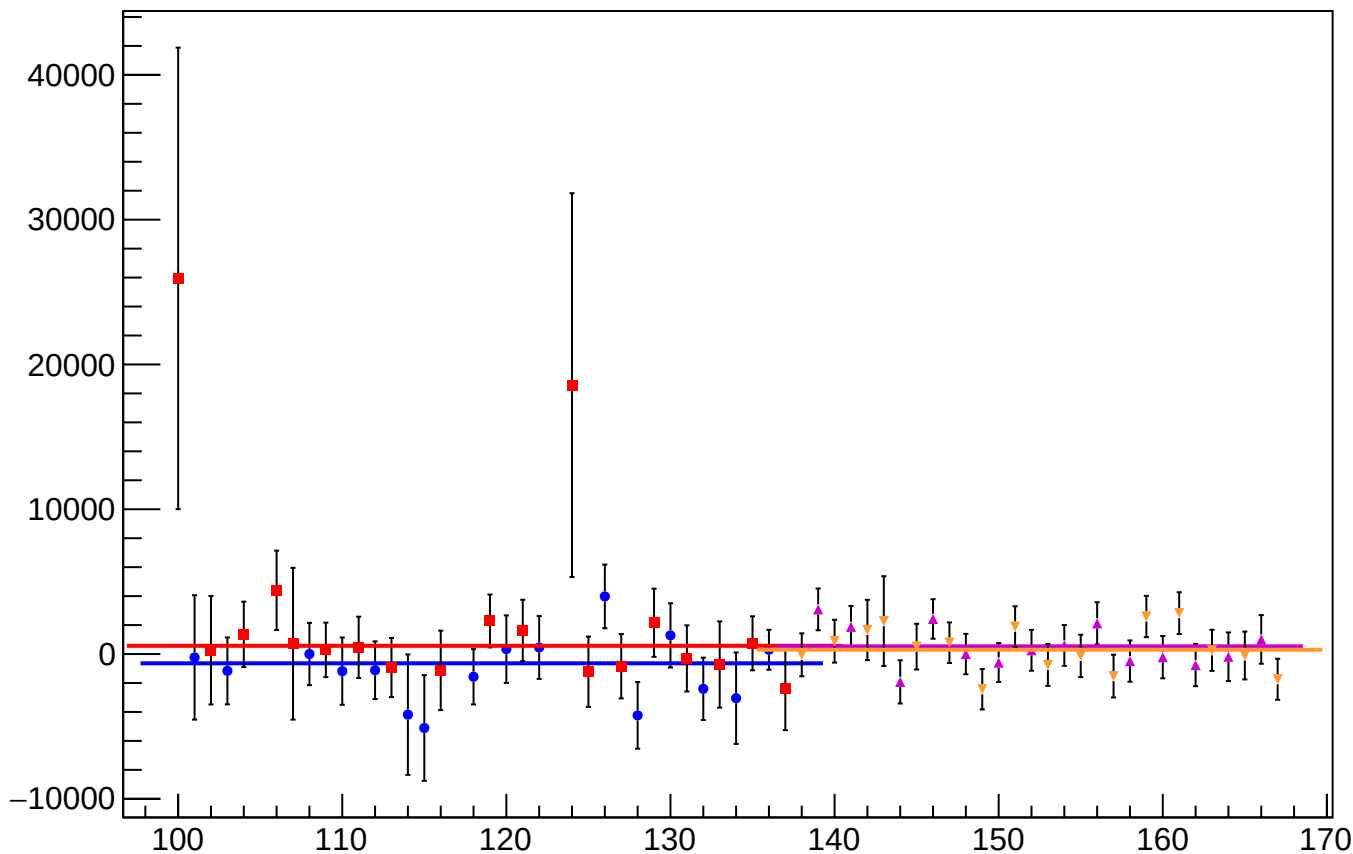
Left In: 341.368 $\pm$ 0.073 χ^2 /NDF: 1221623.5/13

+ sign 342.521 $\pm$ 0.060 χ^2 /NDF: 7344020.6/31

All: 347.655 $\pm$ 0.043 χ^2 /NDF: 13235387.1/64

- sign 353.161 $\pm$ 0.063 χ^2 /NDF: 5876426.2/32

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824 ± 564.366 χ^2/NDF : 12.5/15

Left Out: 295.725 ± 380.267 χ^2/NDF : 16.2/15

Right Out: 567.254 ± 566.774 χ^2/NDF : 11.3/18

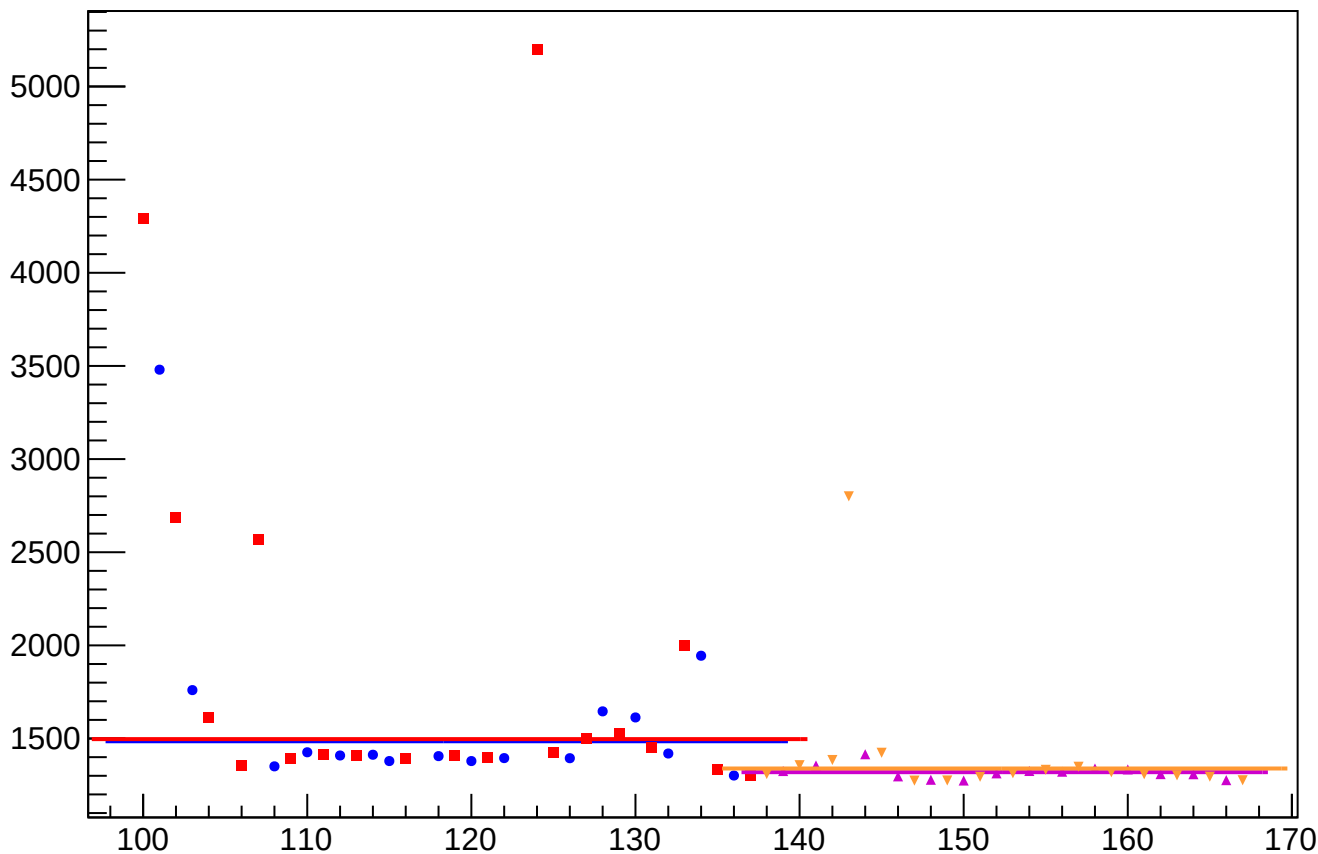
Left In: 530.752 ± 388.427 χ^2/NDF : 12.5/13

+ sign 3.295 ± 315.360 χ^2/NDF : 30.6/31

All: 268.579 ± 224.755 χ^2/NDF : 55.9/64

- sign 542.417 ± 320.404 χ^2/NDF : 23.8/32

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1339.155+/-0.269 χ^2/NDF : 470405.8/15

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

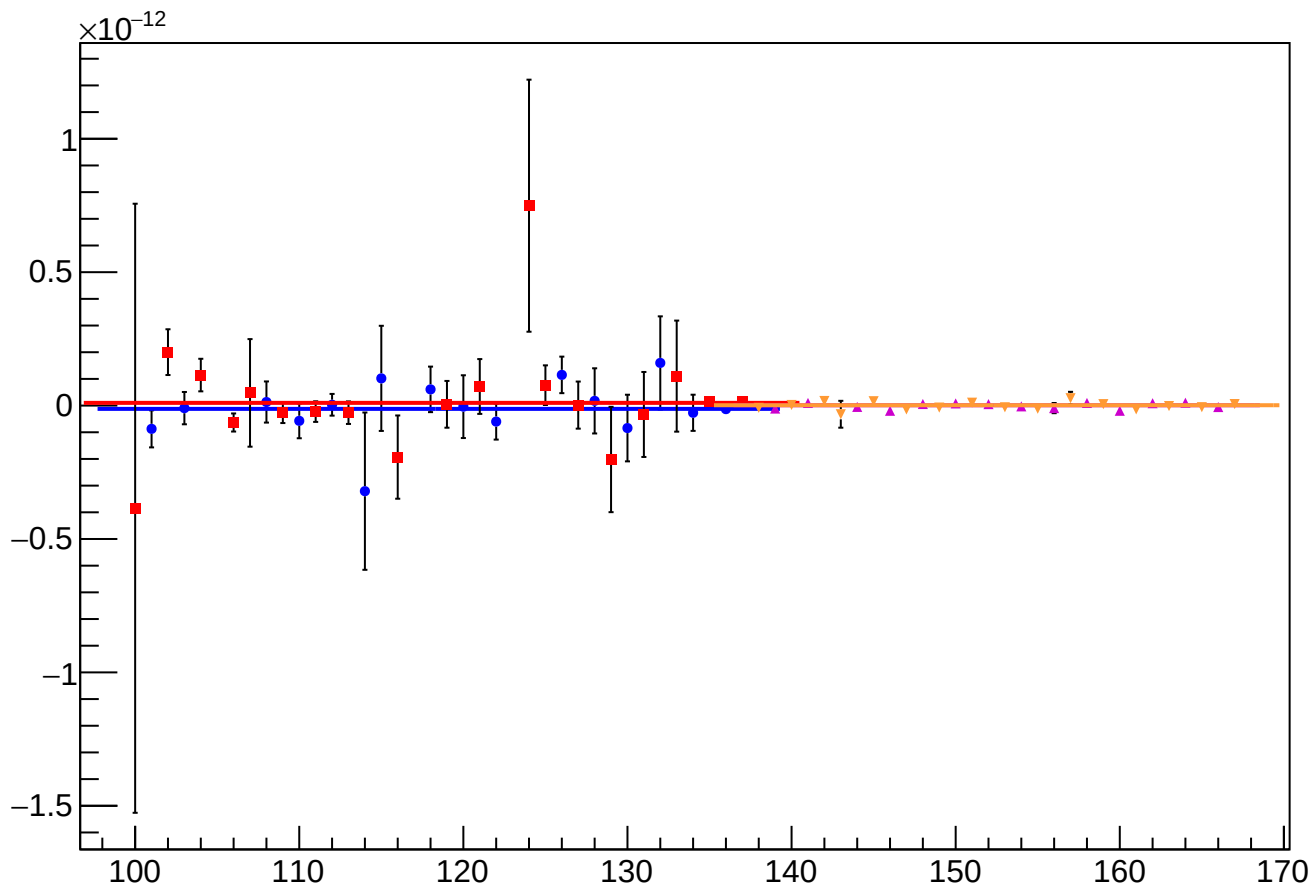
Left In: 1319.430+/-0.275 χ^2/NDF : 16212.5/13

+ sign 1384.810+/-0.223 χ^2/NDF : 1147202.8/31

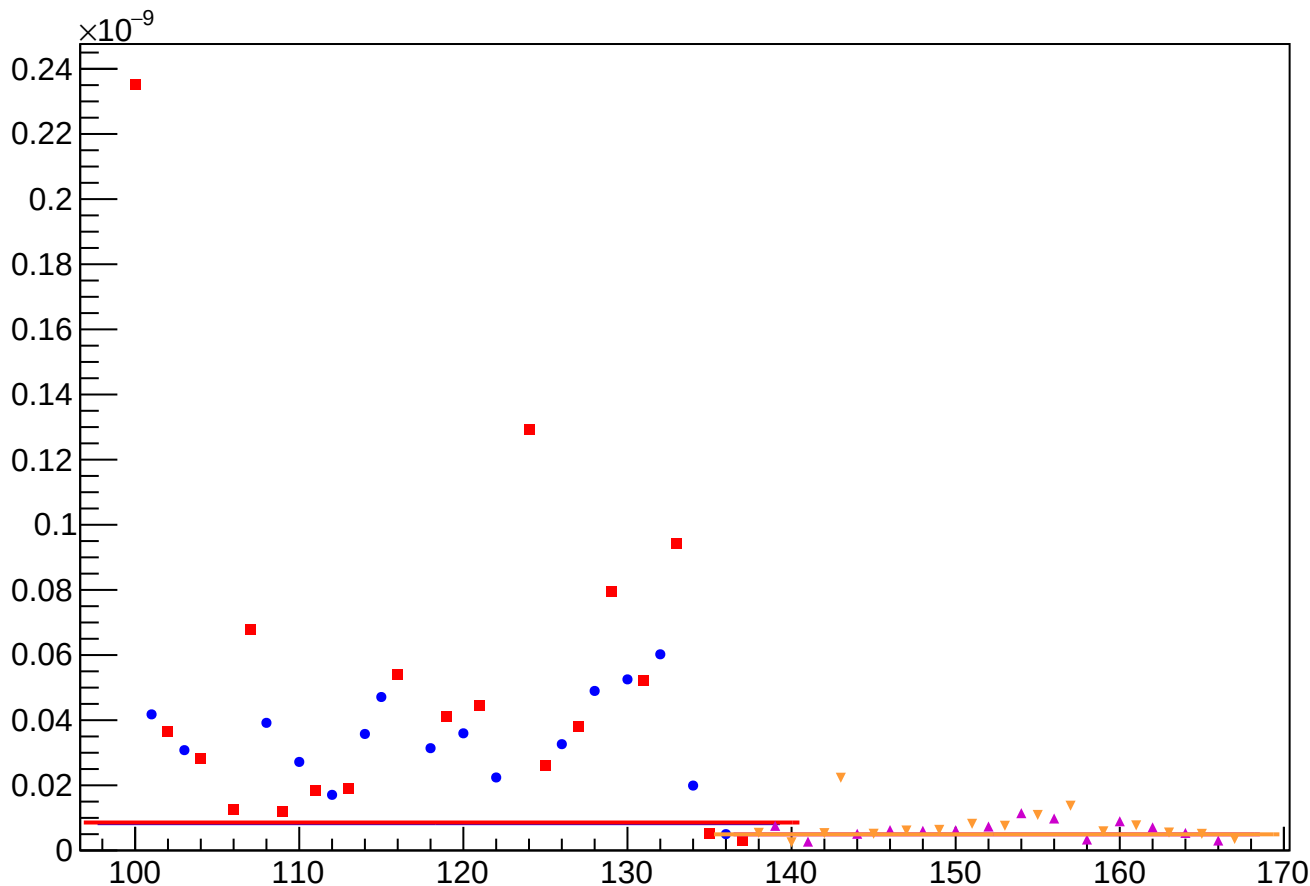
All: 1380.541+/-0.159 χ^2/NDF : 1920826.2/64

- sign 1376.135+/-0.227 χ^2/NDF : 772878.8/32

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug



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:1759200.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3348571.5/18

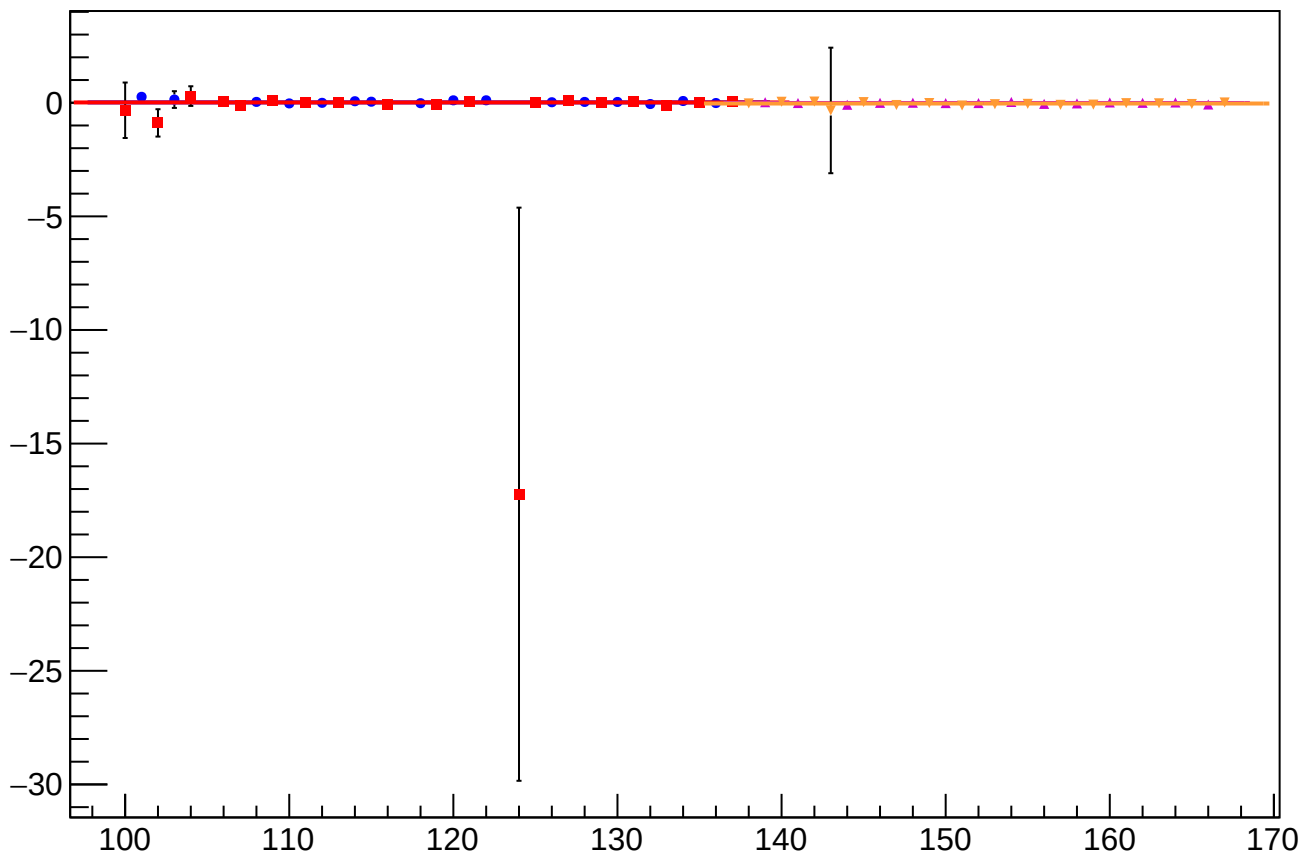
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1441224.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5204635.1/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10366750.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5162107.5/32

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

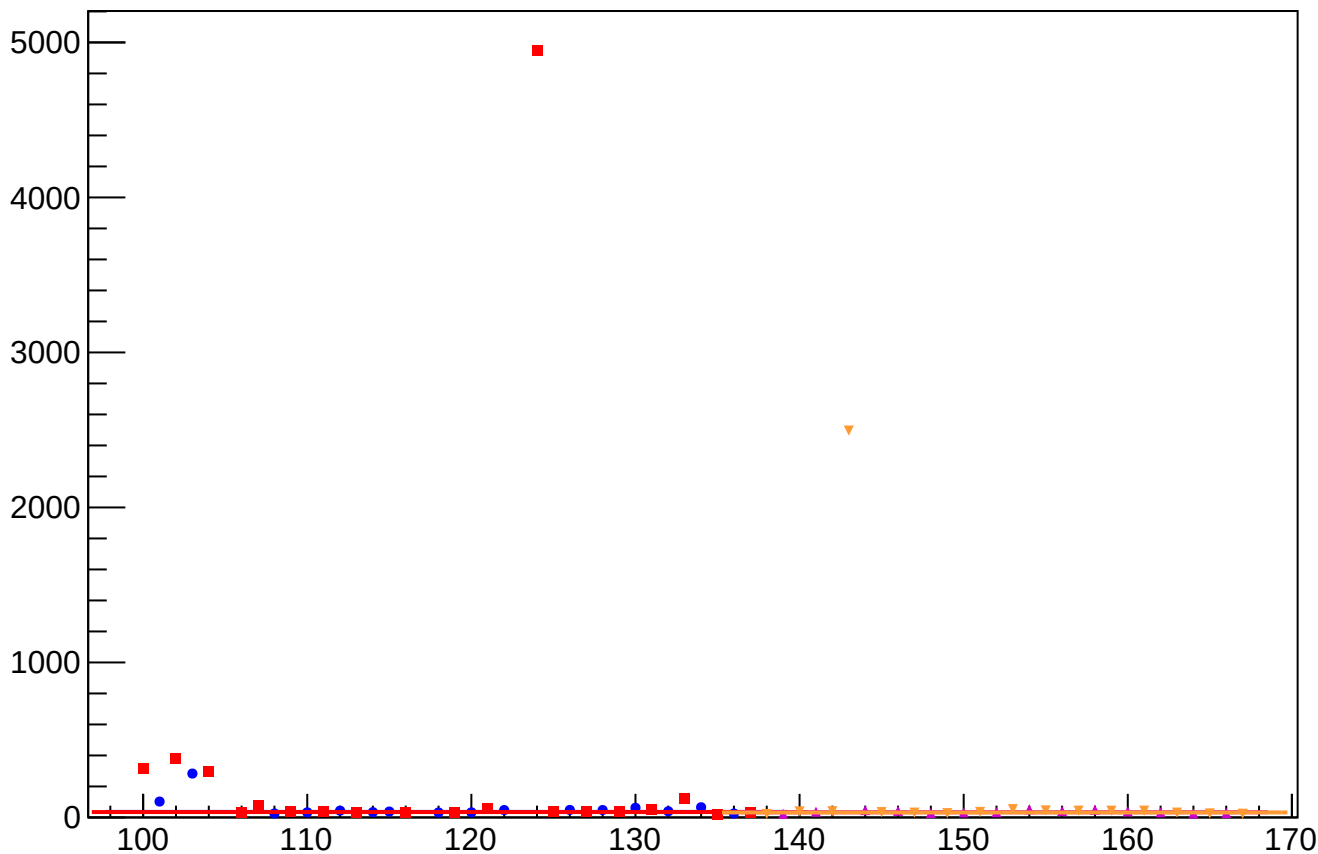
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

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: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891530.3/15

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

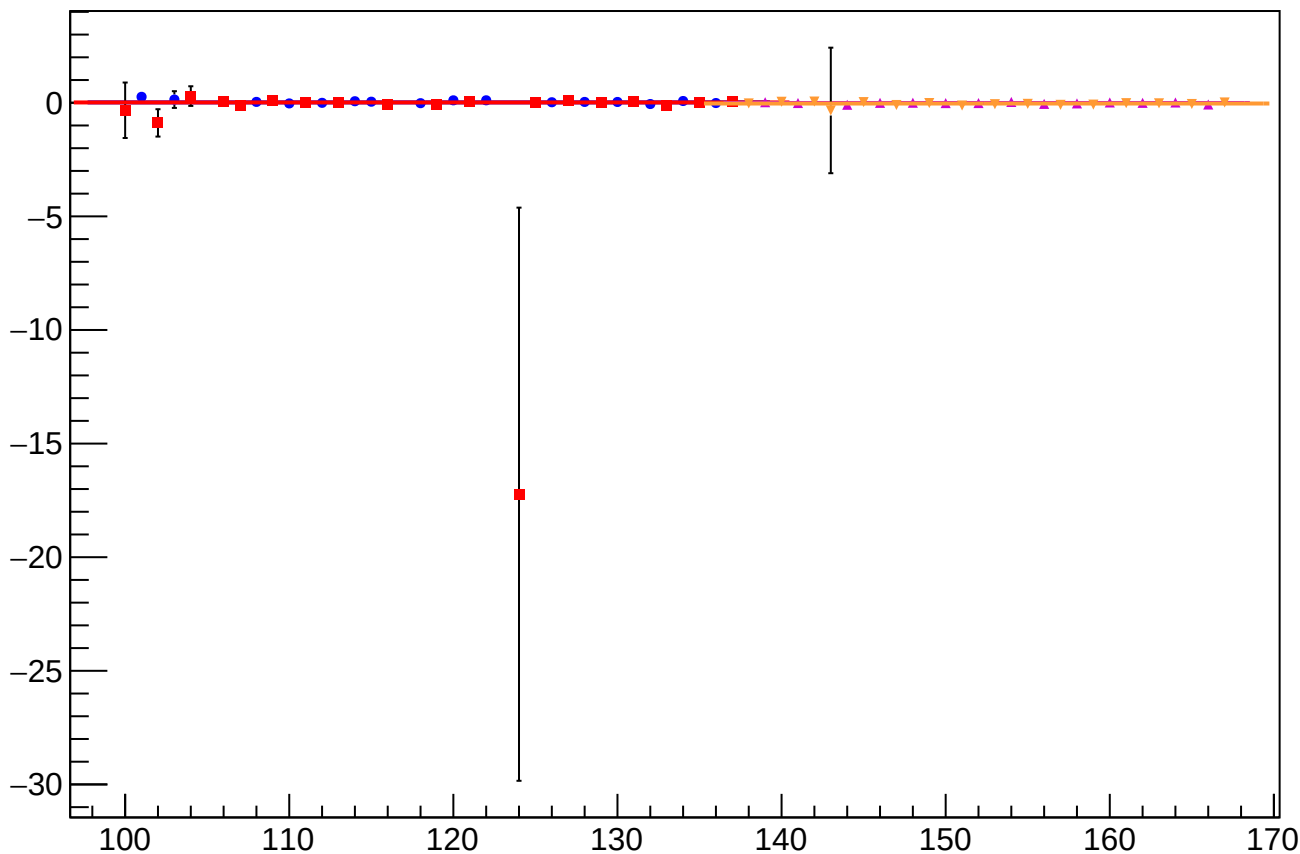
Left In: 33.902 $\pm$ 0.008 χ^2 /NDF: 1089706.9/13

+ sign 33.319 $\pm$ 0.006 χ^2 /NDF: 5227422.7/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9245675.8/64

- sign 34.197 $\pm$ 0.006 χ^2 /NDF: 4008244.7/32

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

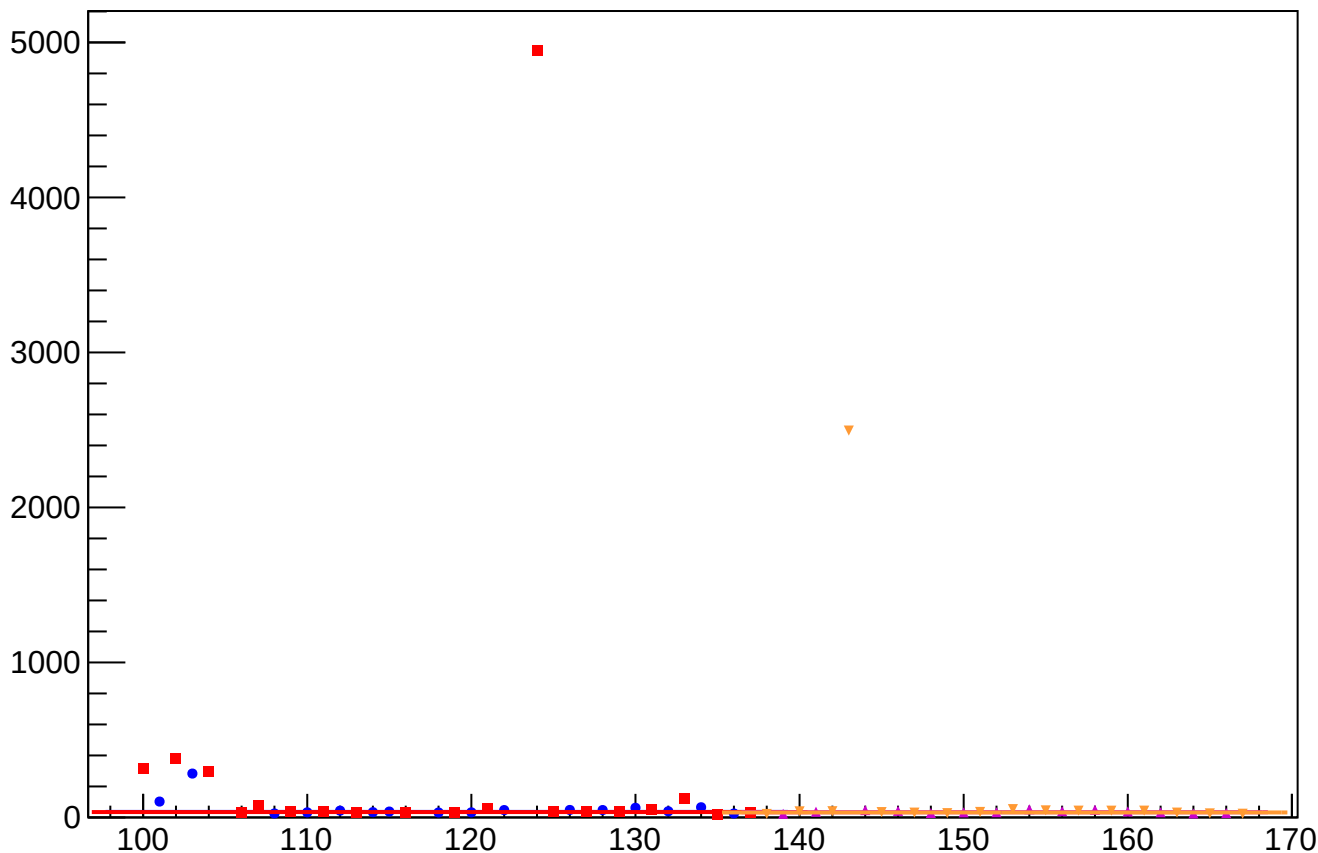
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

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: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891530.3/15

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

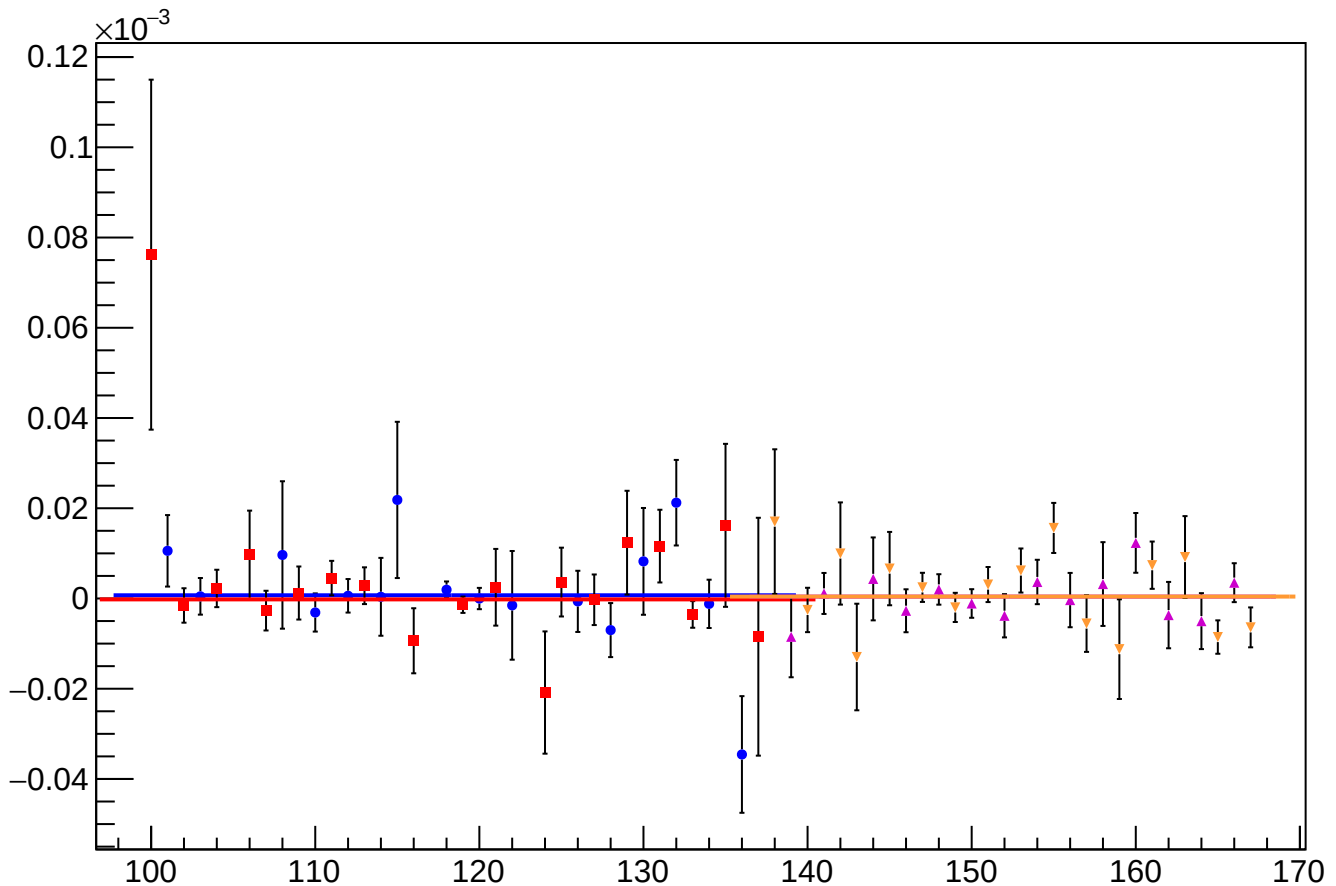
Left In: 33.902 $\pm$ 0.008 χ^2 /NDF: 1089706.9/13

+ sign 33.319 $\pm$ 0.006 χ^2 /NDF: 5227422.7/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9245675.8/64

- sign 34.197 $\pm$ 0.006 χ^2 /NDF: 4008244.7/32

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 : 27.3/15

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 18.1/18

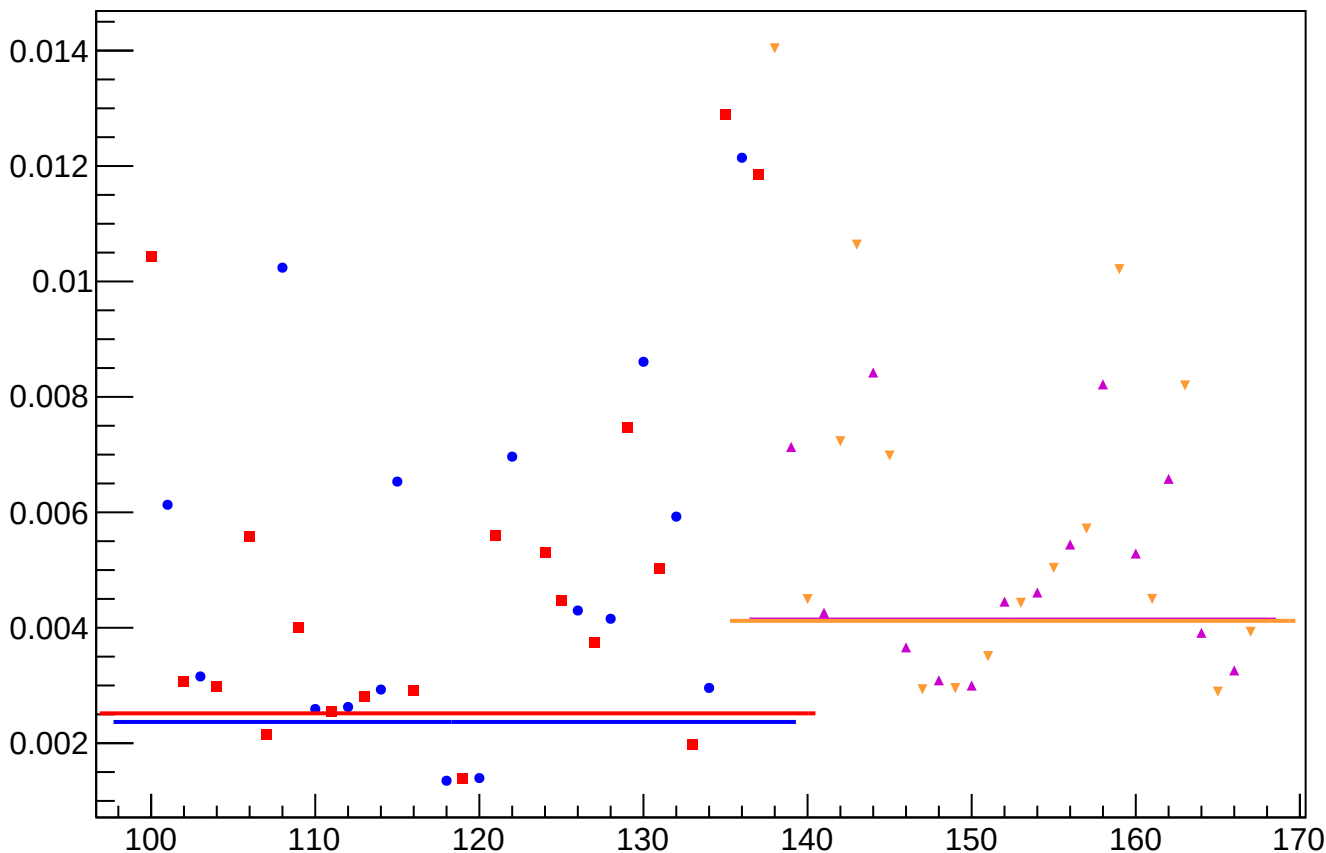
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 8.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 46.4/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 73.1/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 26.4/32

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: 0.004+/-0.000 χ^2/NDF : 3804204.0/15

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

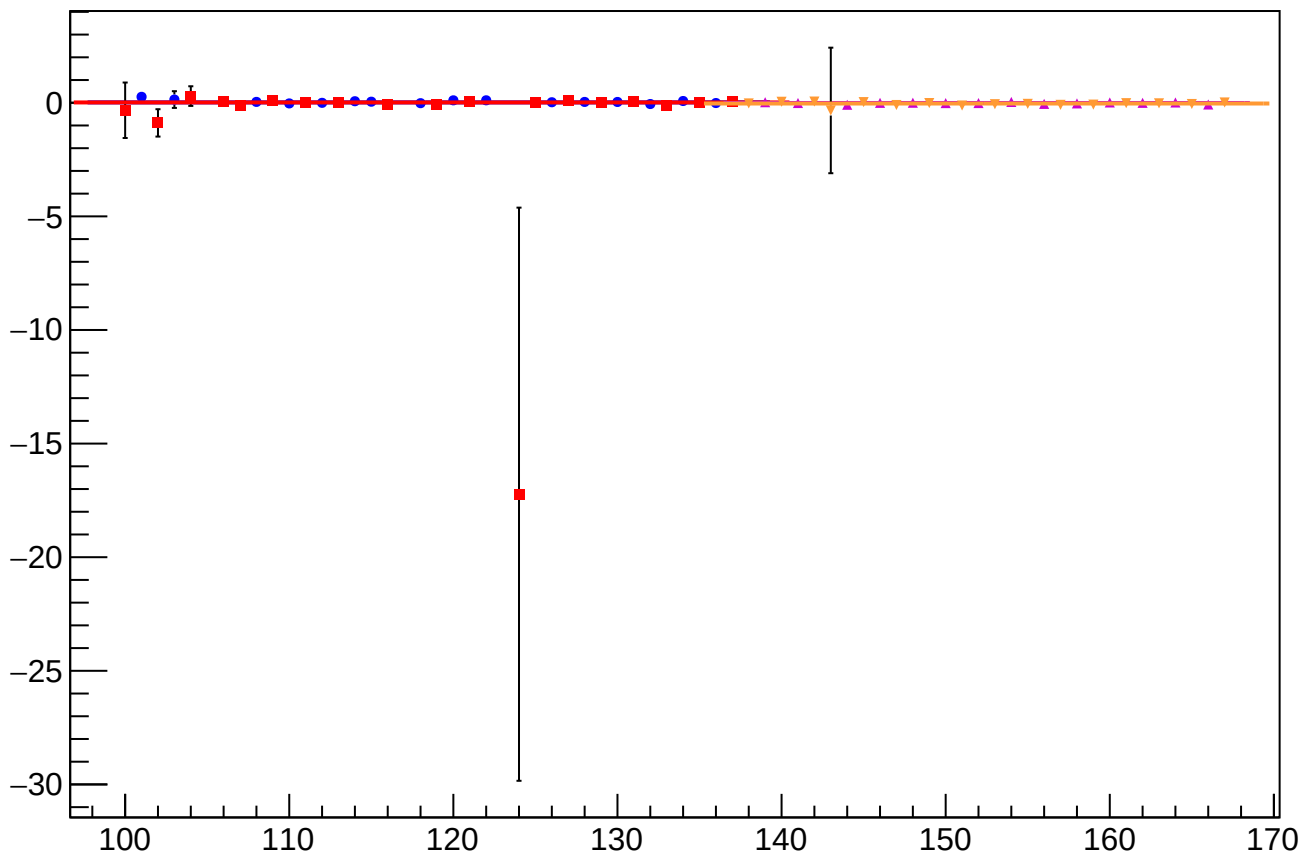
Left In: 0.004+/-0.000 χ^2/NDF : 2003969.6/13

+ sign 0.003+/-0.000 χ^2/NDF : 10677382.4/31

All: 0.003+/-0.000 χ^2/NDF : 17867717.8/64

- sign 0.003+/-0.000 χ^2/NDF : 7189713.3/32

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

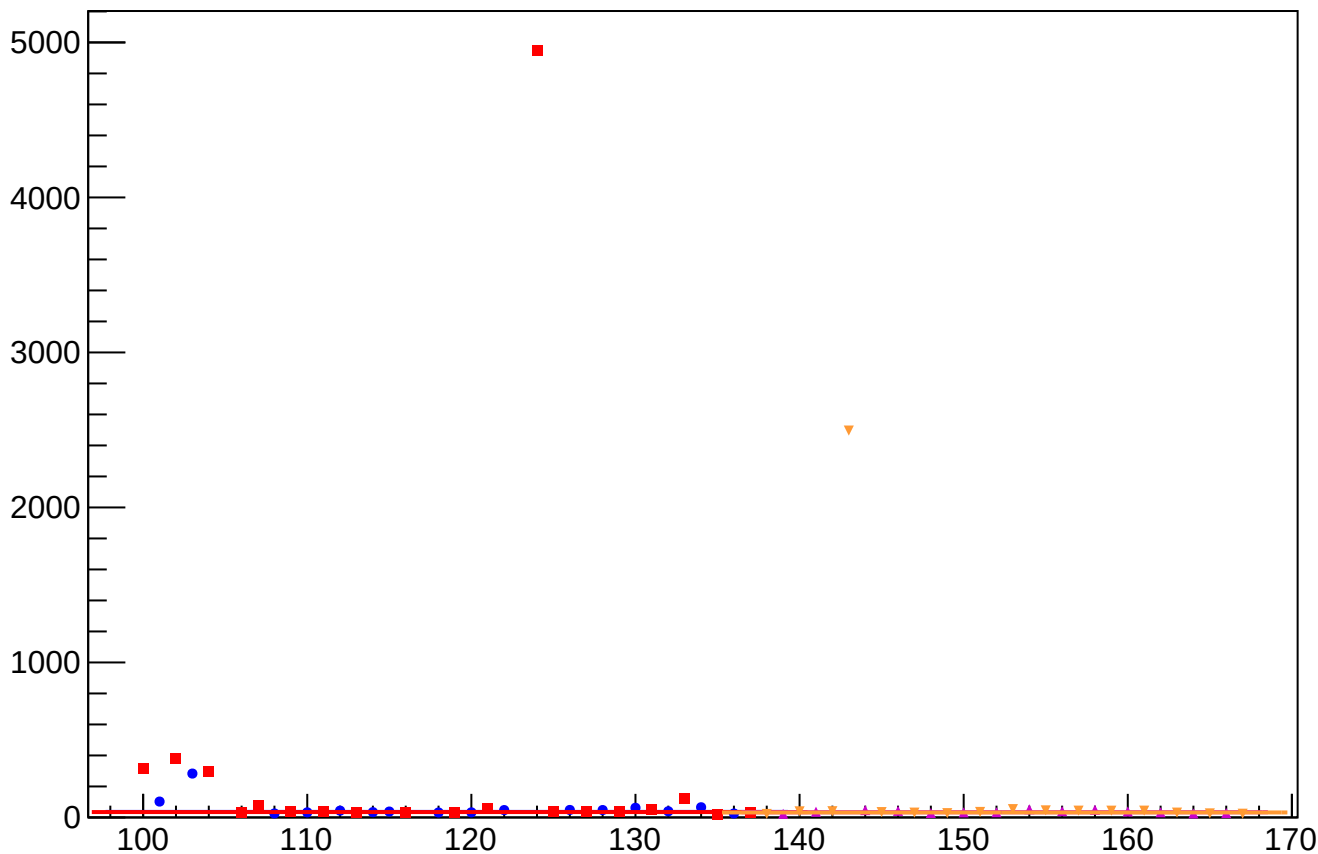
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 0.011 χ^2 /NDF: 2264513.9/15

Left Out: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891675.5/15

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

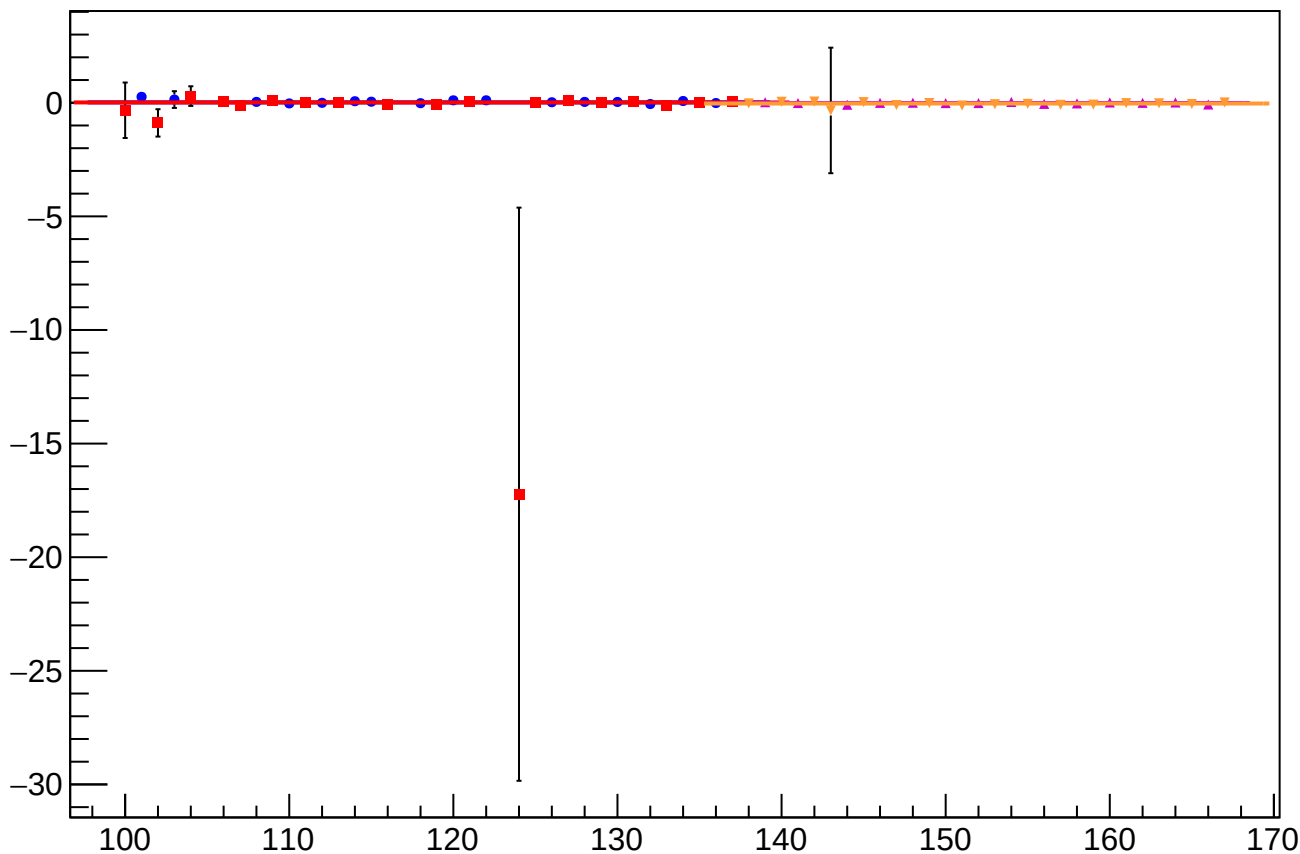
Left In: 33.900 $\pm$ 0.008 χ^2 /NDF: 1090343.4/13

+ sign 33.320 $\pm$ 0.006 χ^2 /NDF: 5227344.2/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9246054.0/64

- sign 34.196 $\pm$ 0.006 χ^2 /NDF: 4008731.5/32

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.034 ± 0.010 χ^2/NDF : 20.6/15

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

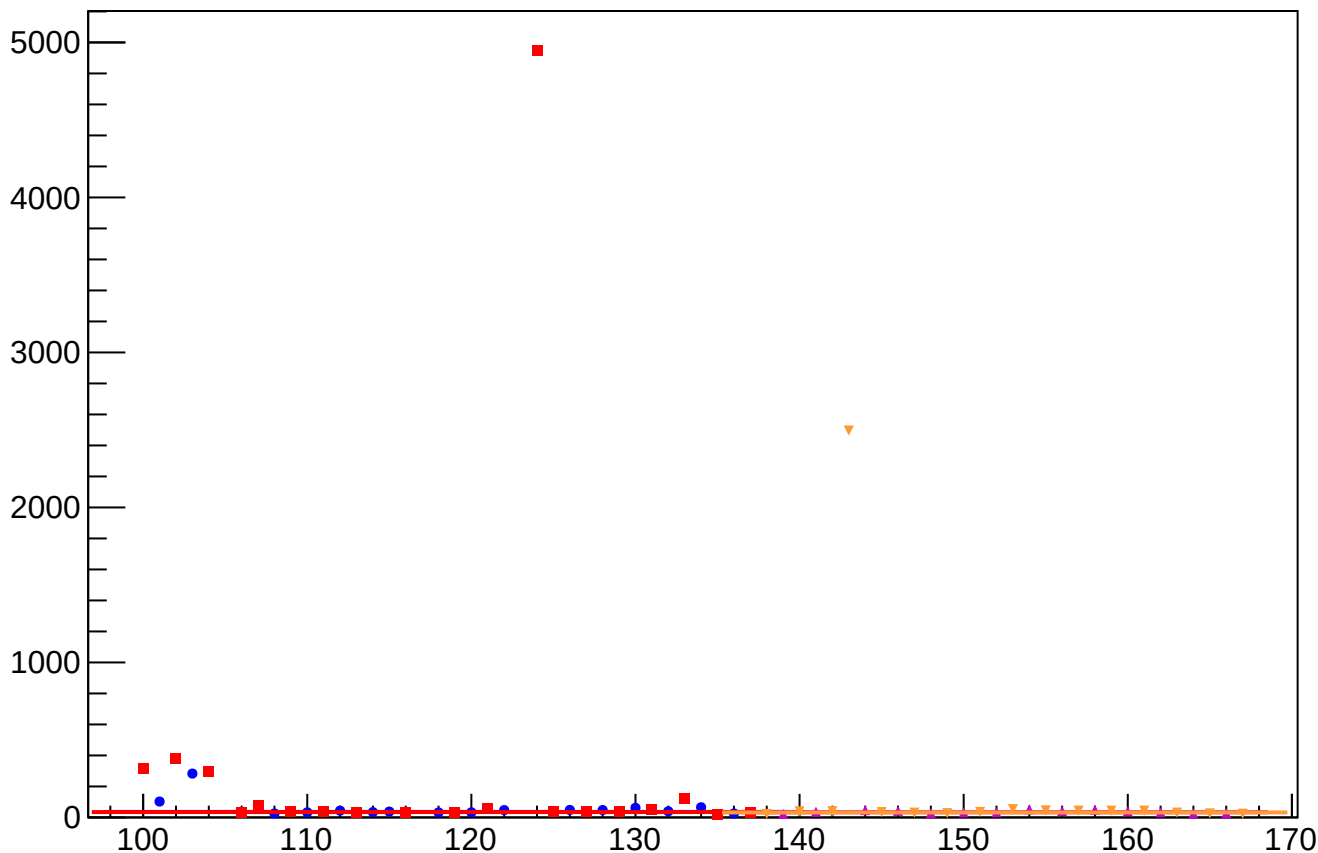
Left In: -0.010 ± 0.011 χ^2/NDF : 8.5/13

+ sign -0.018 ± 0.009 χ^2/NDF : 39.4/31

All: -0.011 ± 0.006 χ^2/NDF : 67.2/64

- sign -0.002 ± 0.009 χ^2/NDF : 26.1/32

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 0.011 χ^2 /NDF: 2264513.9/15

Left Out: 32.241 $\pm$ 0.007 χ^2 /NDF: 2891675.5/15

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

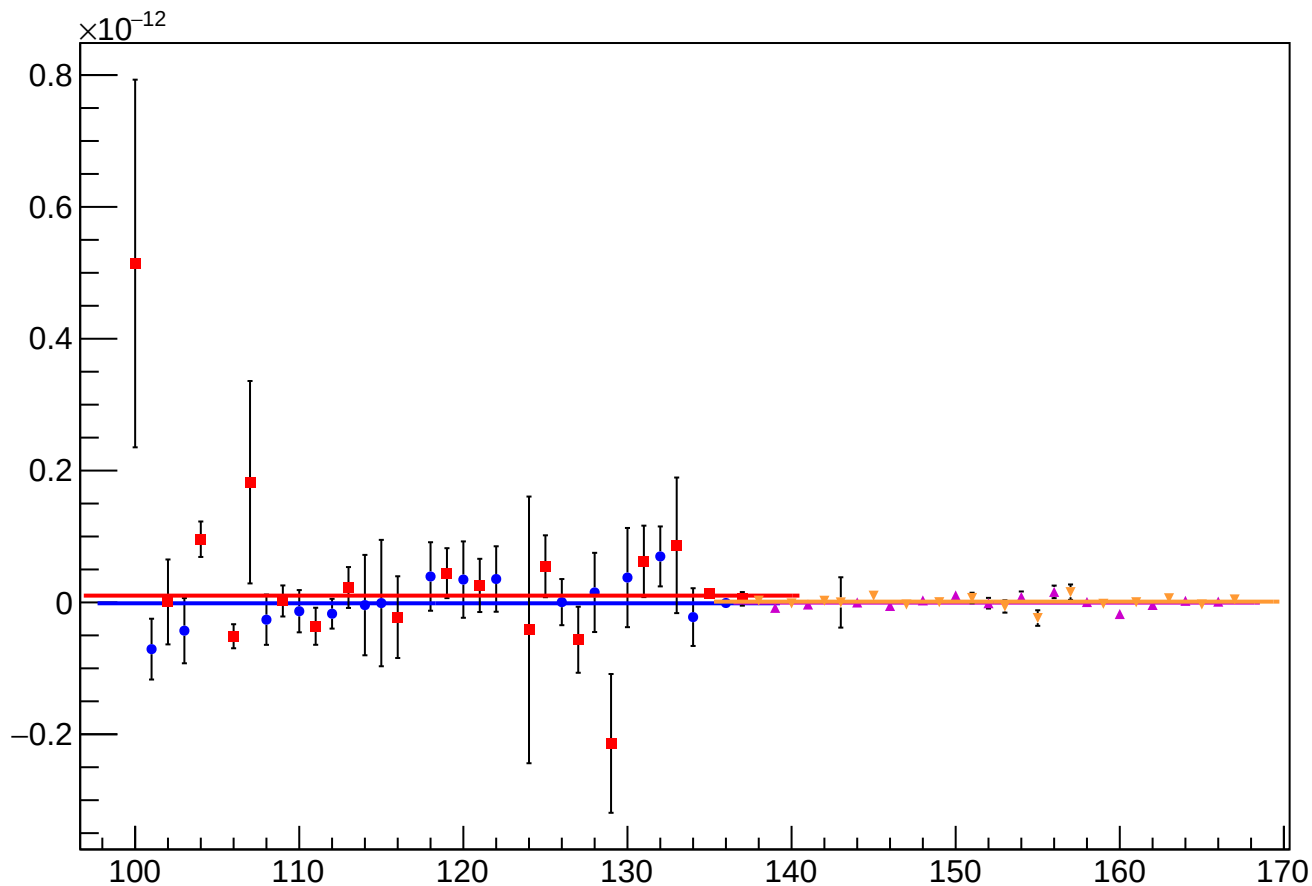
Left In: 33.900 $\pm$ 0.008 χ^2 /NDF: 1090343.4/13

+ sign 33.320 $\pm$ 0.006 χ^2 /NDF: 5227344.2/31

All: 33.738 $\pm$ 0.004 χ^2 /NDF: 9246054.0/64

- sign 34.196 $\pm$ 0.006 χ^2 /NDF: 4008731.5/32

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 : 12.7/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.9/18

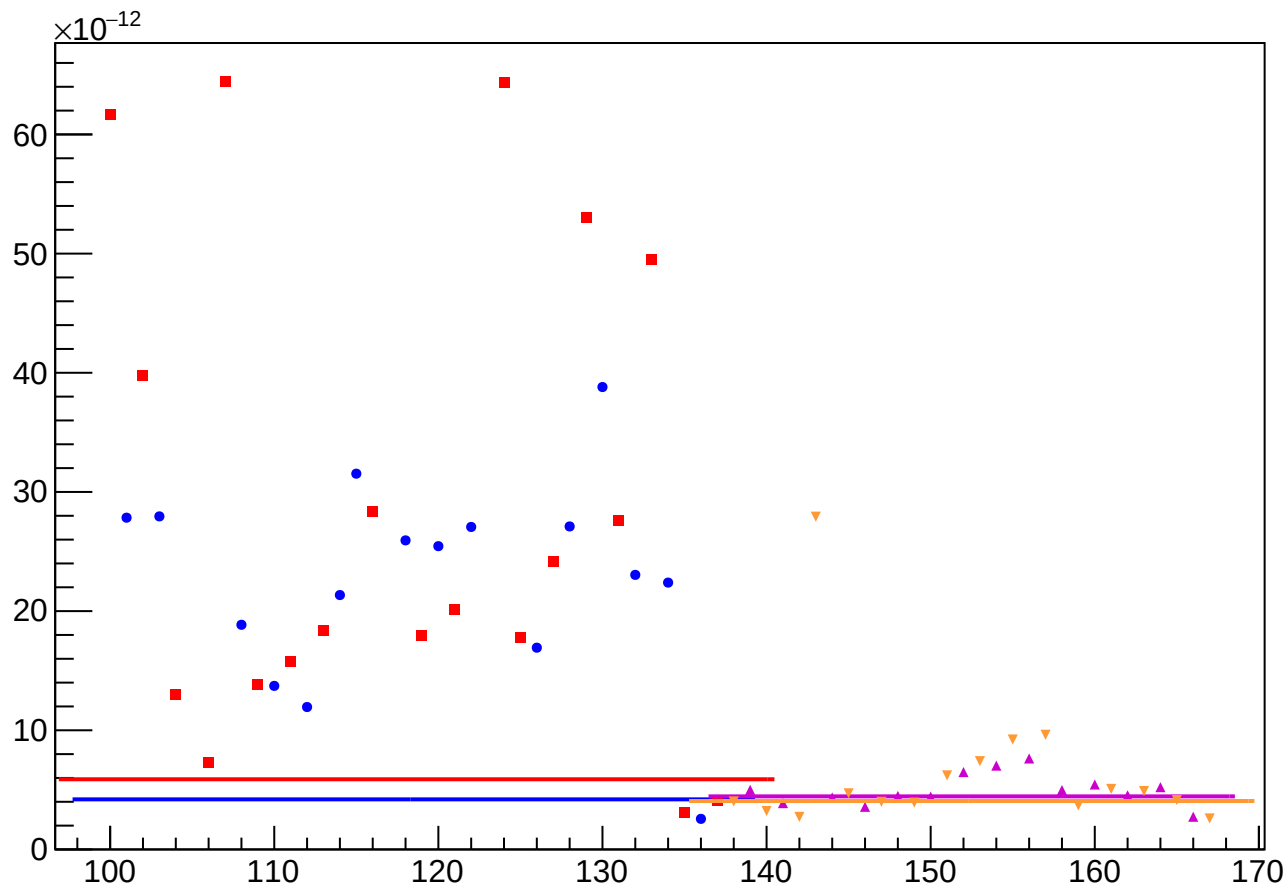
Left In: -0.000 ± 0.000 χ^2/NDF : 17.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 21.8/31

All: 0.000 ± 0.000 χ^2/NDF : 84.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 63.0/32

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 : 2657632.3/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 4860861.1/18

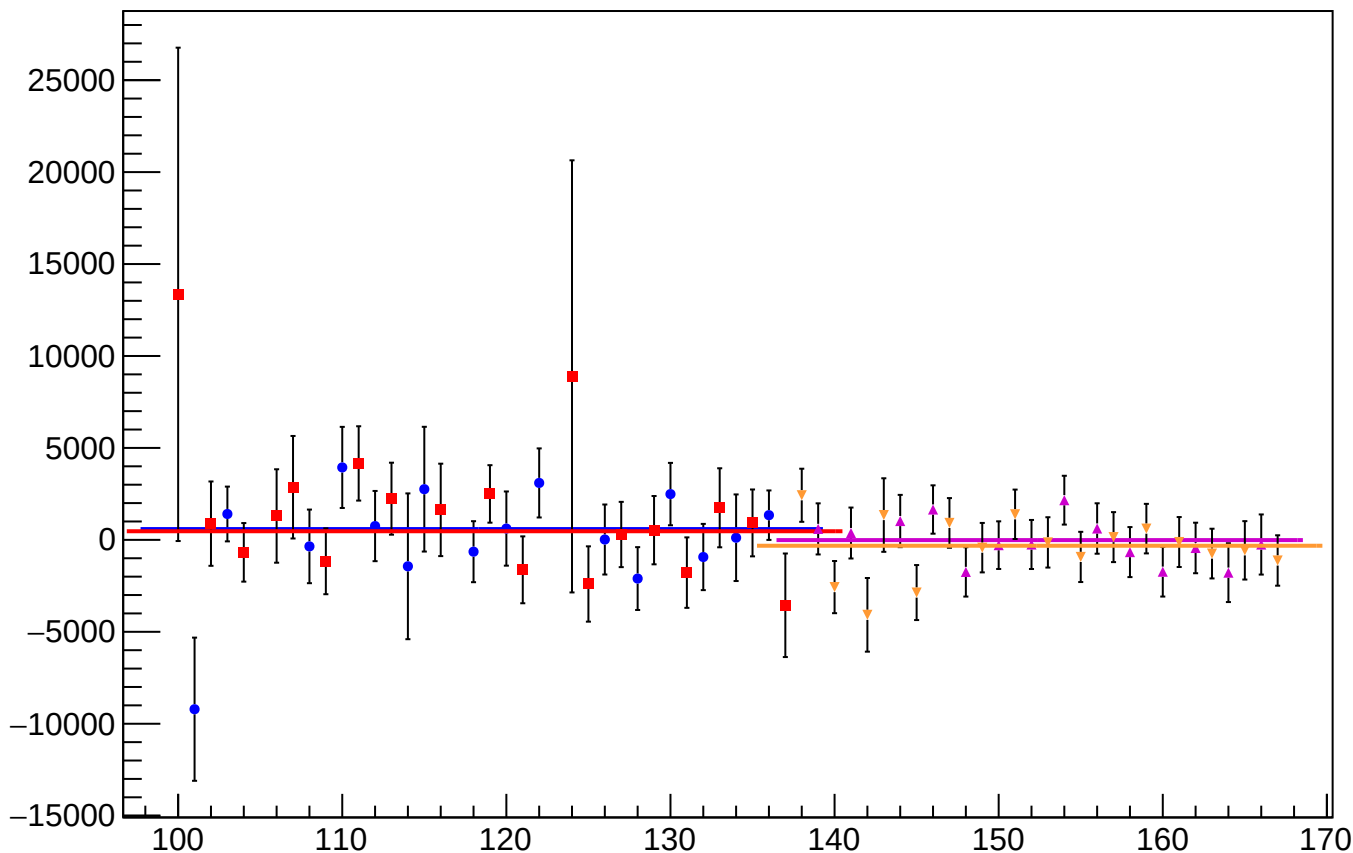
Left In: 0.000 ± 0.000 χ^2/NDF : 1057529.7/13

+ sign 0.000 ± 0.000 χ^2/NDF : 7740616.1/31

All: 0.000 ± 0.000 χ^2/NDF : 14013525.5/64

- sign 0.000 ± 0.000 χ^2/NDF : 6124507.8/32

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935 ± 482.434 χ^2/NDF : 17.1/15

Left Out: -319.454 ± 358.993 χ^2/NDF : 17.0/15

Right Out: 469.012 ± 480.516 χ^2/NDF : 16.9/18

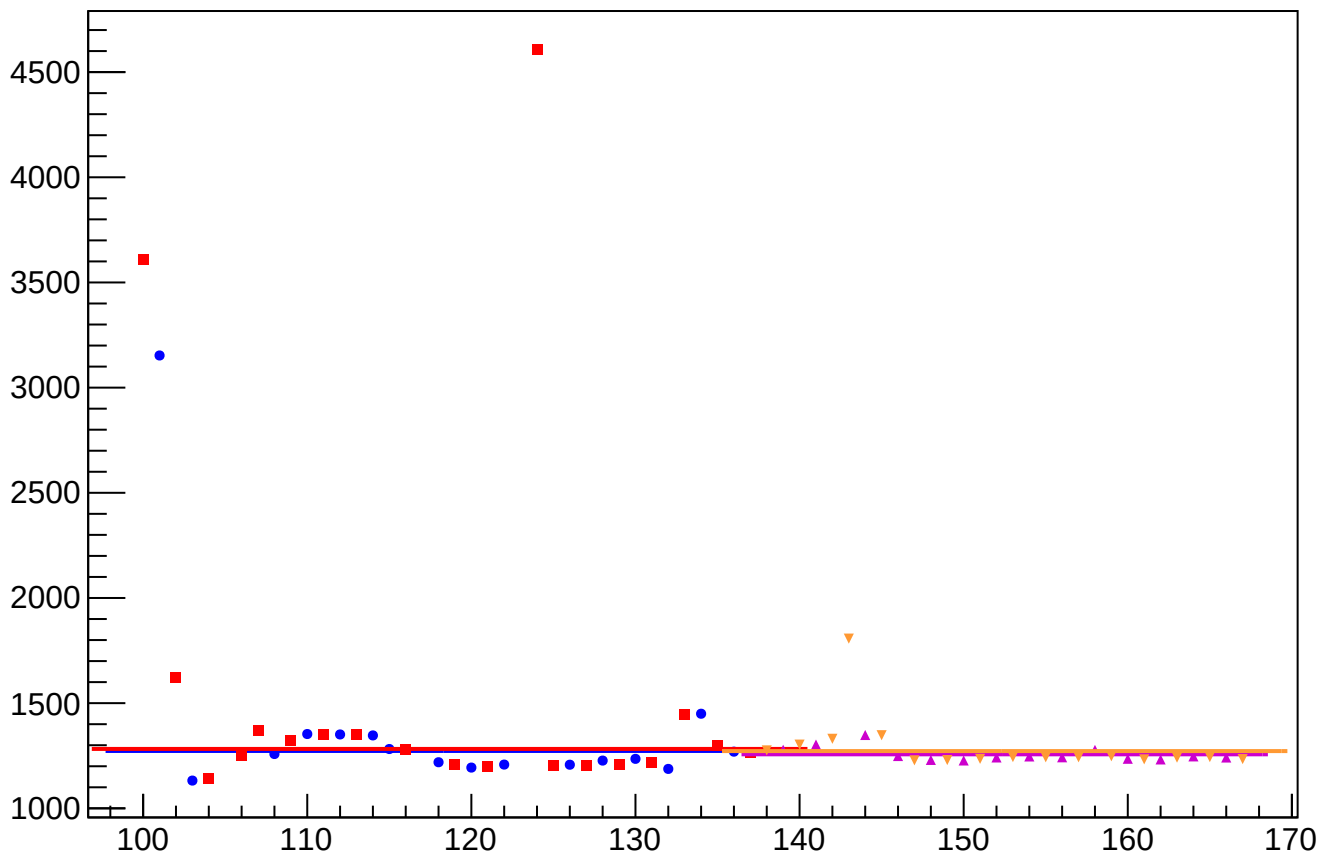
Left In: -12.554 ± 369.955 χ^2/NDF : 10.2/13

+ sign 3.571 ± 288.004 χ^2/NDF : 36.4/31

All: 83.678 ± 205.441 χ^2/NDF : 64.2/64

- sign 166.667 ± 293.139 χ^2/NDF : 27.7/32

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519298.2/15

Left Out: 1272.115 $\pm$ 0.254 χ^2 /NDF: 164683.8/15

Right Out: 1282.365 $\pm$ 0.340 χ^2 /NDF: 322078.6/18

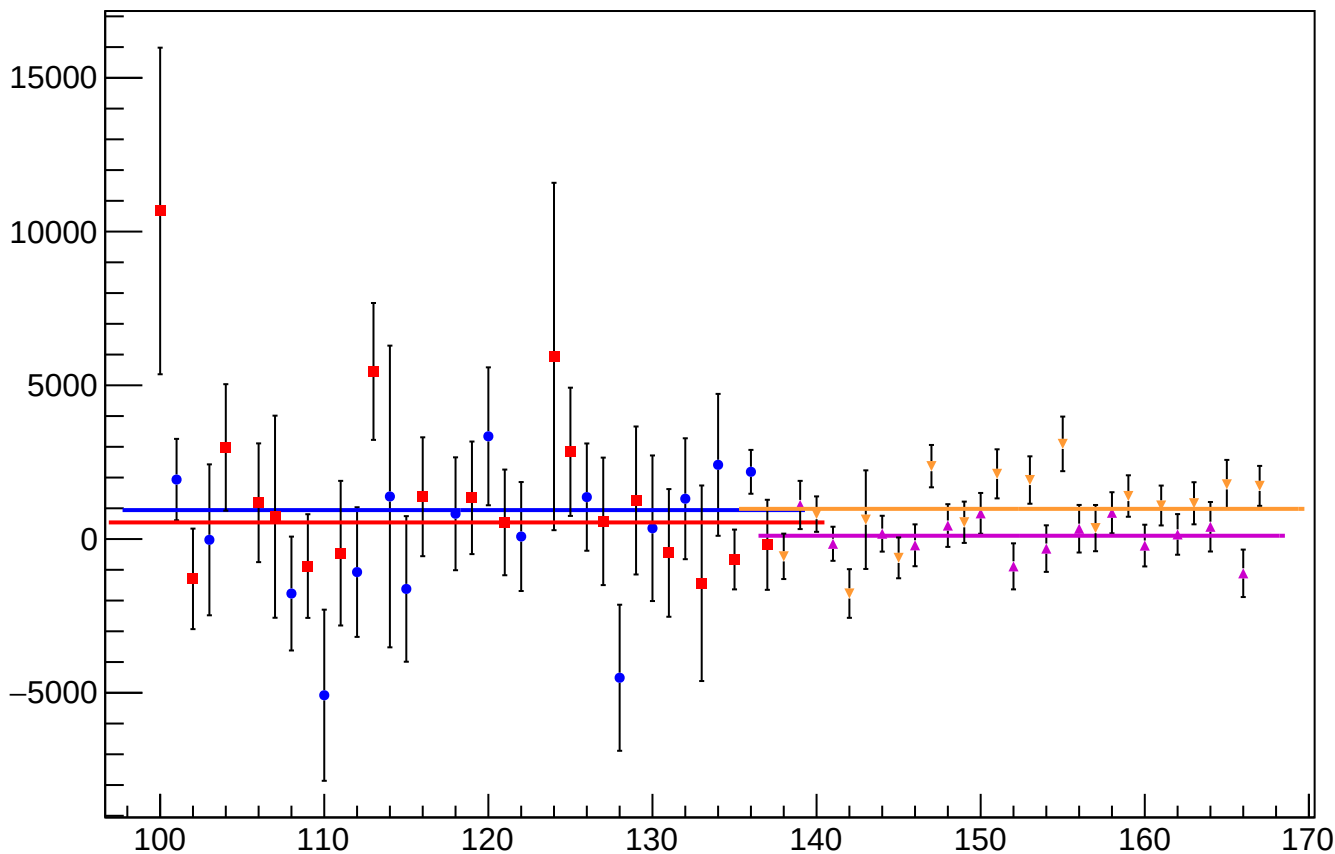
Left In: 1256.764 $\pm$ 0.262 χ^2 /NDF: 15395.5/13

+ sign 1272.361 $\pm$ 0.204 χ^2 /NDF: 683984.6/31

All: 1269.380 $\pm$ 0.145 χ^2 /NDF: 1025459.1/64

- sign 1266.292 $\pm$ 0.207 χ^2 /NDF: 341038.4/32

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: 981.981 $\pm$ 181.441 χ^2/NDF : 39.5/15

Right Out: 540.622 $\pm$ 439.905 χ^2/NDF : 17.2/18

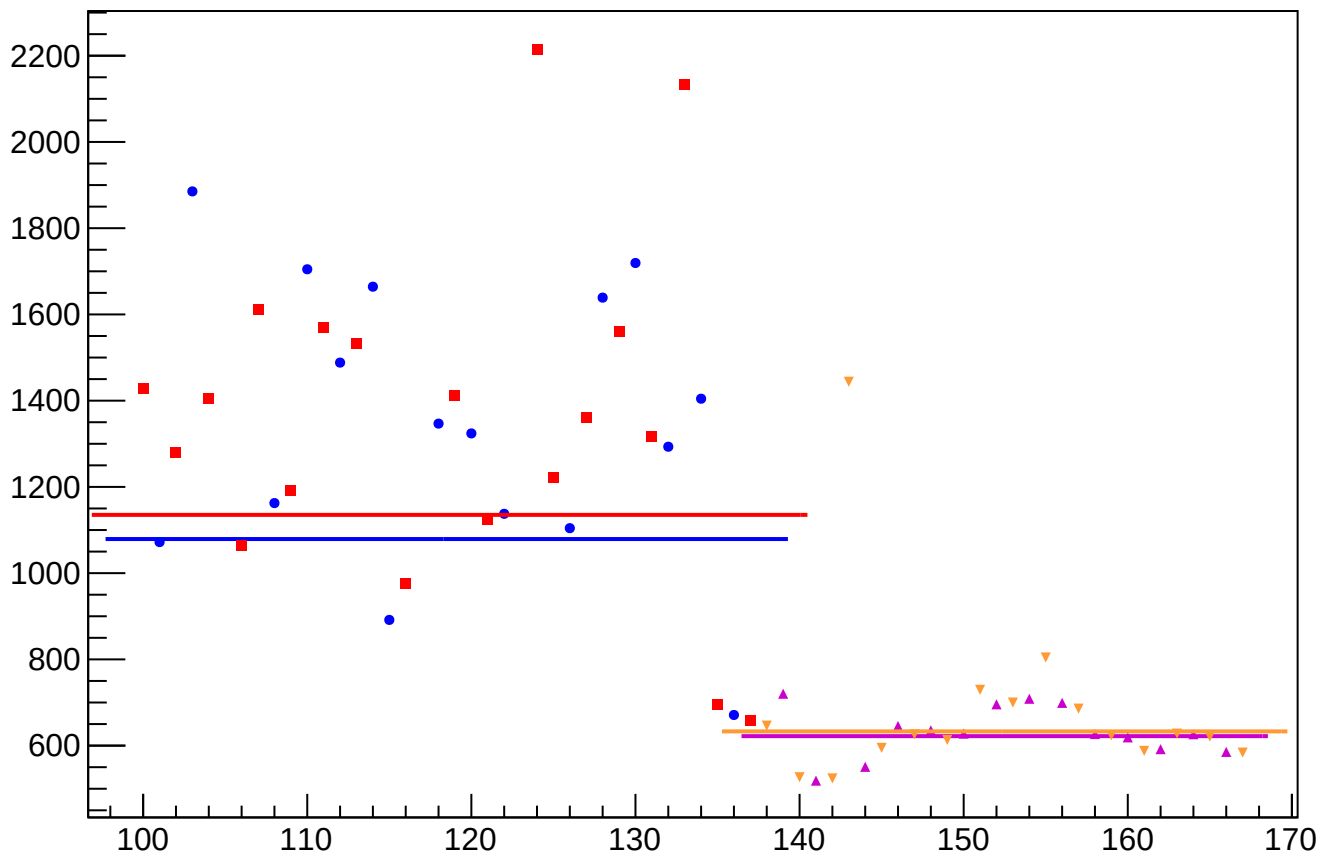
Left In: 107.621 $\pm$ 184.273 χ^2/NDF : 9.8/13

+ sign 975.801 $\pm$ 166.921 χ^2/NDF : 59.5/31

All: 581.286 $\pm$ 119.092 χ^2/NDF : 98.6/64

- sign 172.258 $\pm$ 169.963 χ^2/NDF : 27.8/32

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120 $\pm$ 0.301 χ^2 /NDF: 1482232.0/15

Left Out: 633.035 $\pm$ 0.128 χ^2 /NDF: 777339.8/15

+ sign 701.576 $\pm$ 0.118 χ^2 /NDF: 4117071.0/31

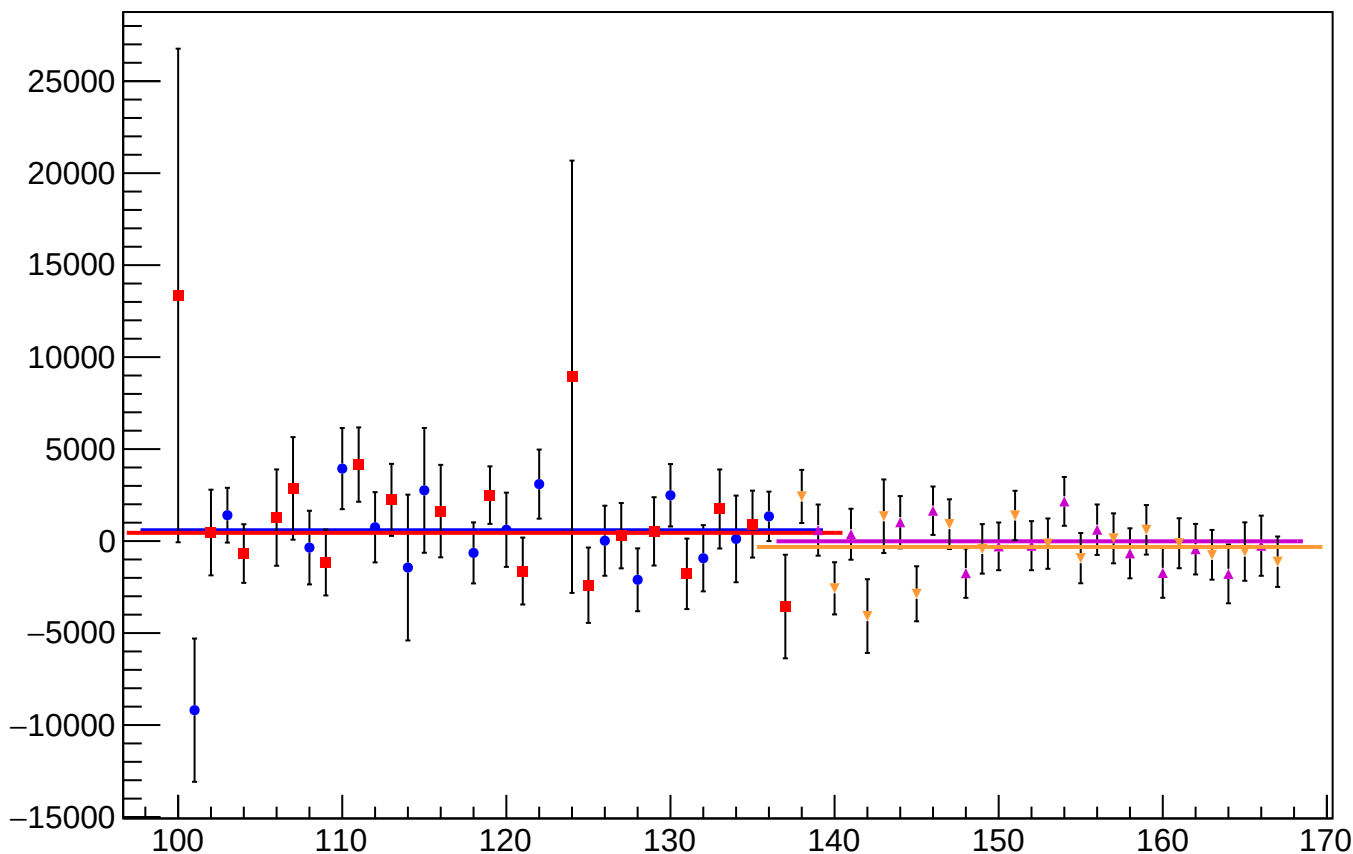
Right Out: 1135.161 $\pm$ 0.311 χ^2 /NDF: 1293082.2/18

All: 700.110 $\pm$ 0.084 χ^2 /NDF: 7934205.2/64

Left In: 621.985 $\pm$ 0.130 χ^2 /NDF: 208305.0/13

- sign 698.591 $\pm$ 0.120 χ^2 /NDF: 3816820.2/32

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -319.546 $\pm$ 358.993 χ^2 /NDF:17.0/15

Right Out: 448.412 $\pm$ 481.333 χ^2 /NDF: 16.8/18

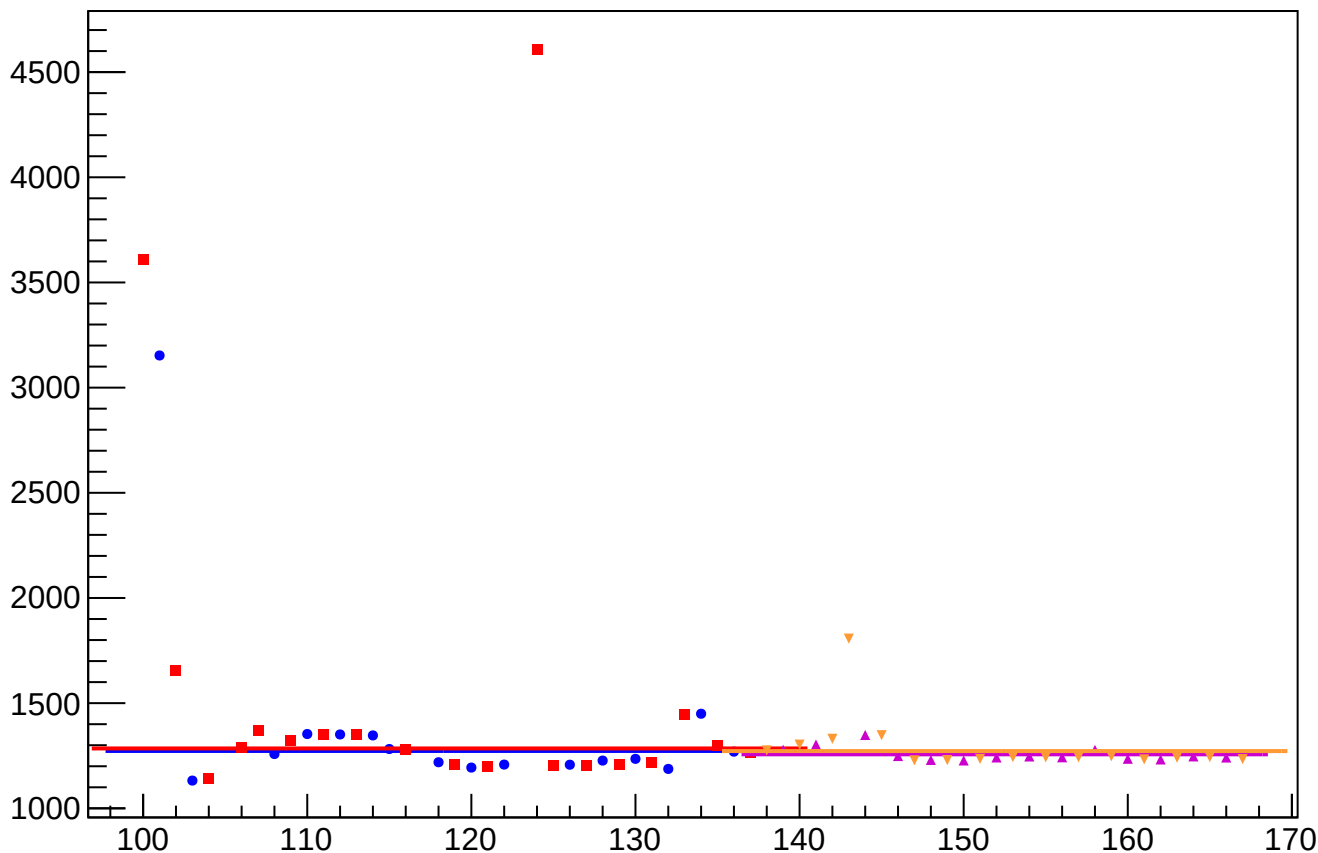
Left In: -12.535 $\pm$ 369.955 χ^2 /NDF:10.2/13

+ sign 3.626 $\pm$ 288.004 χ^2 /NDF: 36.3/31

All: 79.717 $\pm$ 205.505 χ^2 /NDF: 64.1/64

- sign 158.646 $\pm$ 293.324 χ^2 /NDF: 27.6/32

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: 1272.115 $\pm$ 0.254 χ^2 /NDF: 164683.8/15

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

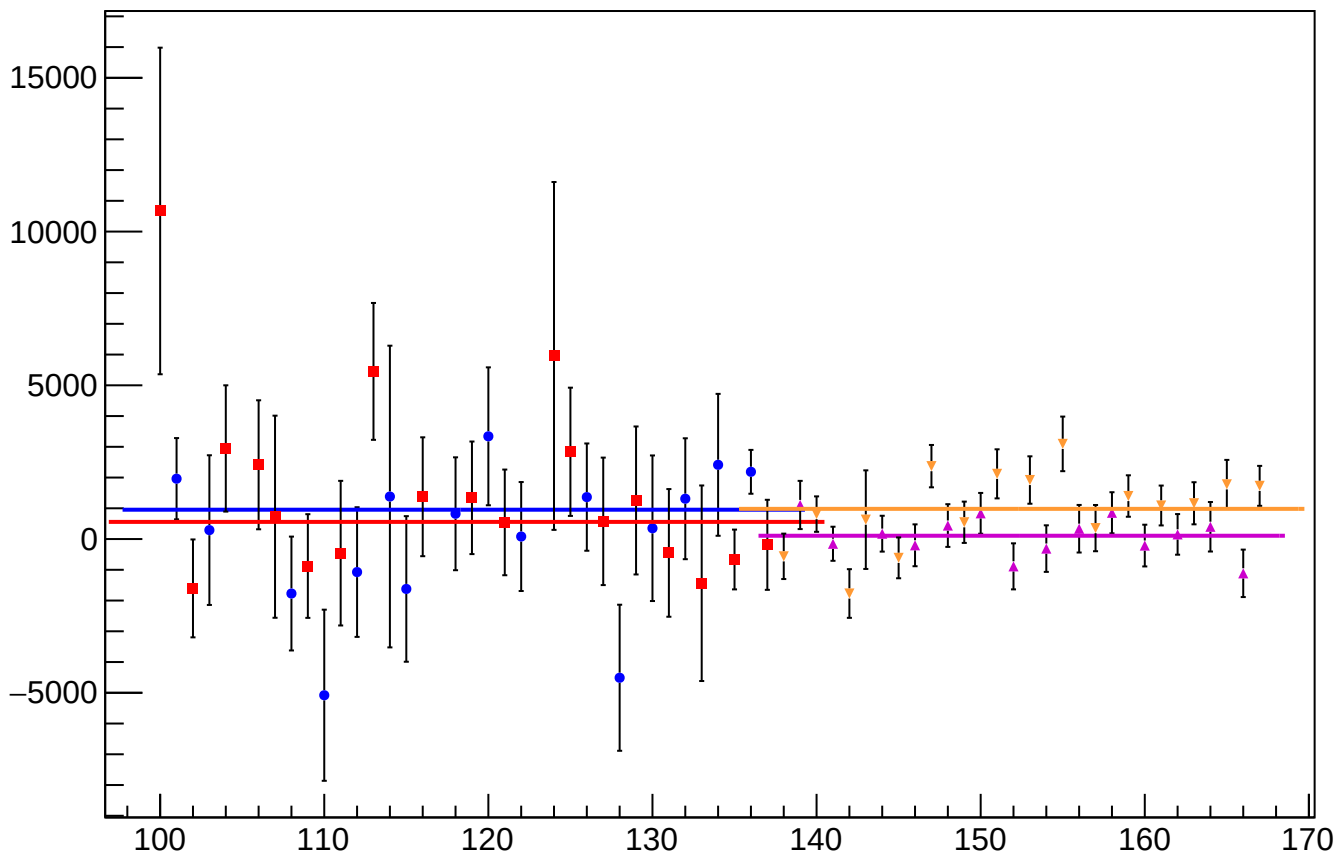
Left In: 1256.764 $\pm$ 0.262 χ^2 /NDF: 15395.5/13

+ sign 1272.361 $\pm$ 0.204 χ^2 /NDF: 683986.0/31

All: 1269.789 $\pm$ 0.145 χ^2 /NDF: 1032662.4/64

- sign 1267.122 $\pm$ 0.207 χ^2 /NDF: 348351.6/32

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 981.974 $\pm$ 181.442 χ^2 /NDF:39.5/15

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

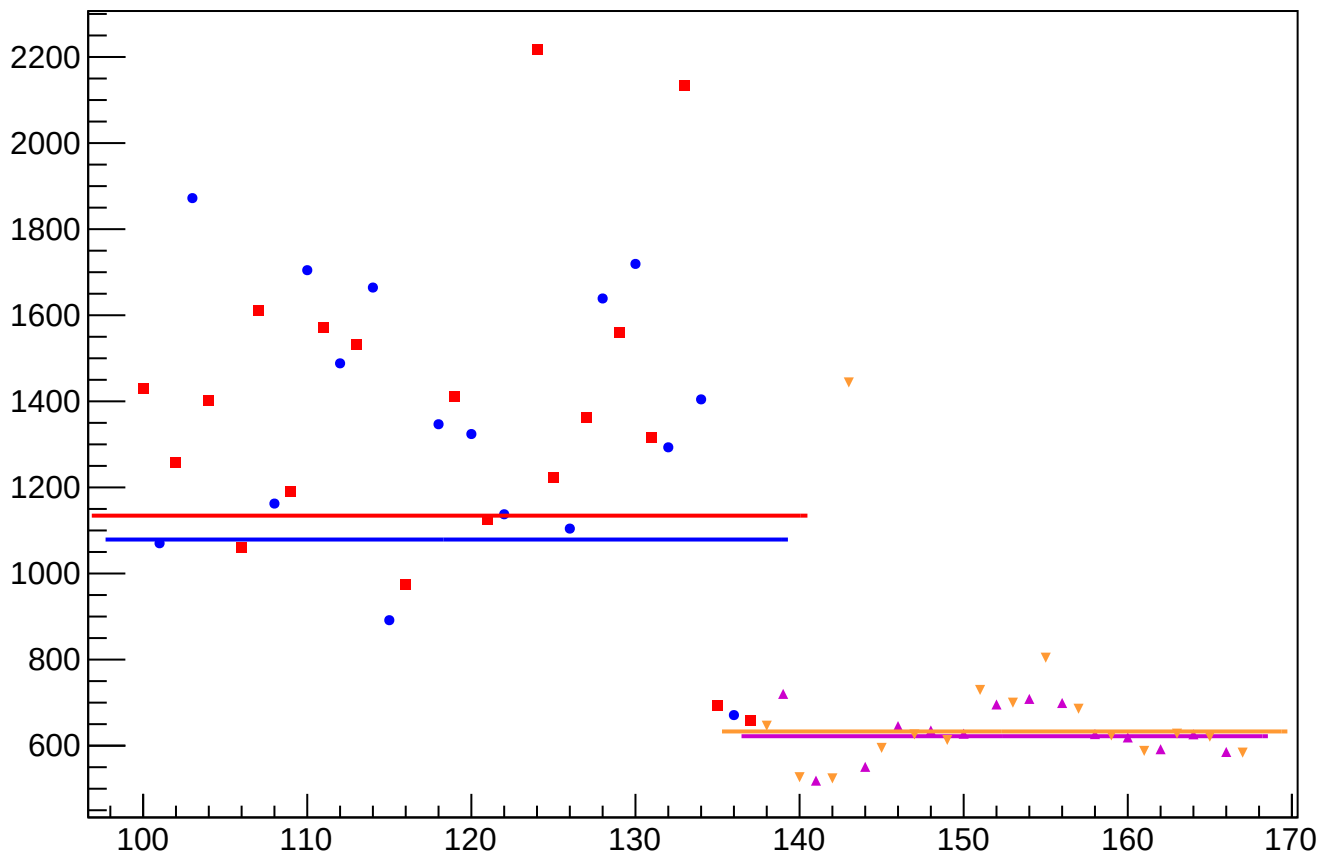
Left In: 107.587 $\pm$ 184.272 χ^2 /NDF:9.8/13

+ sign 977.695 $\pm$ 166.911 χ^2 /NDF: 59.4/31

All: 583.533 $\pm$ 119.105 χ^2 /NDF: 99.8/64

- sign 174.592 $\pm$ 170.012 χ^2 /NDF: 29.1/32

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: 633.041 $\pm$ 0.128 χ^2 /NDF: 777246.0/15

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

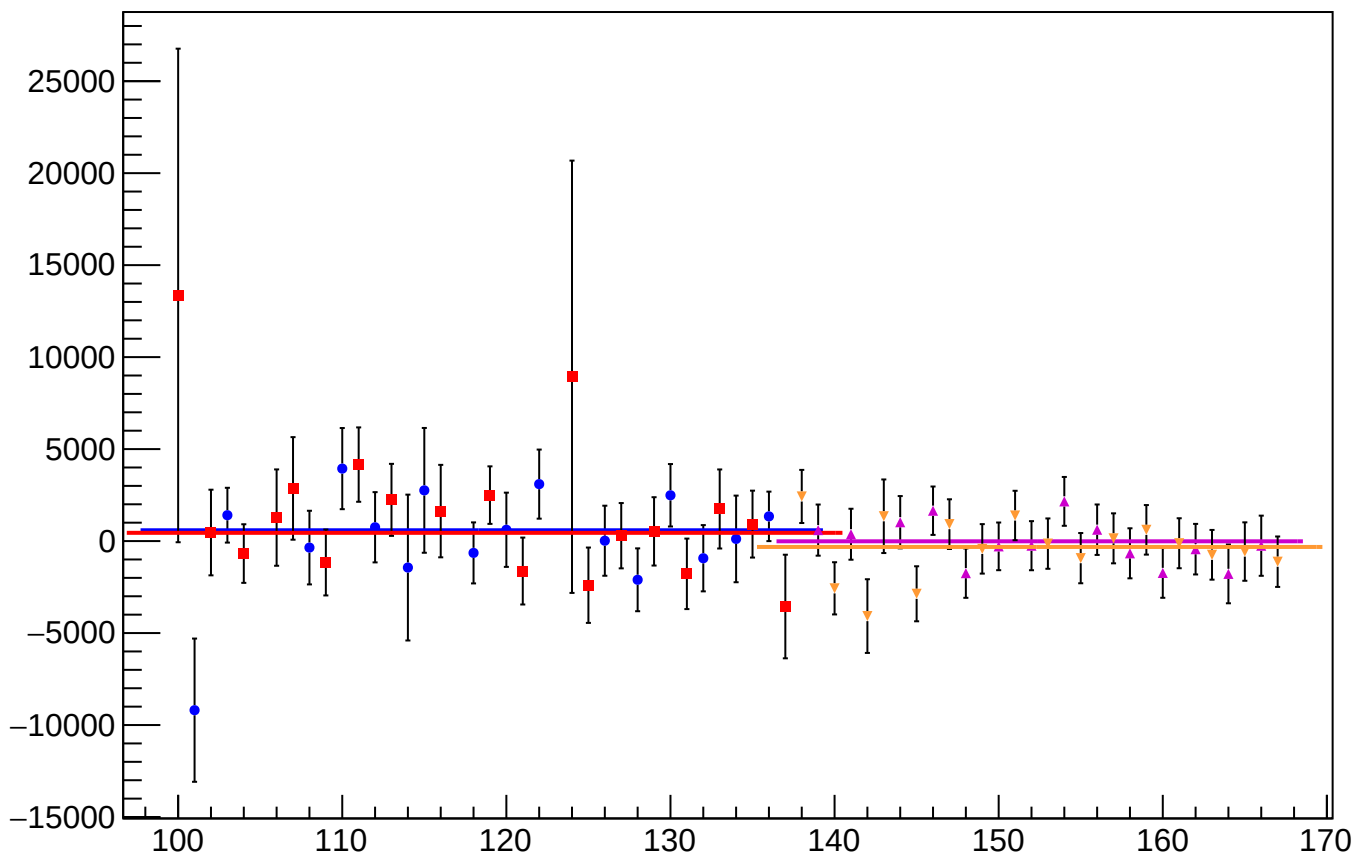
Left In: 621.982 $\pm$ 0.130 χ^2 /NDF: 208331.8/13

+ sign 701.601 $\pm$ 0.118 χ^2 /NDF: 4113148.6/31

All: 699.944 $\pm$ 0.084 χ^2 /NDF: 7912040.4/64

- sign 698.226 $\pm$ 0.120 χ^2 /NDF: 3798490.4/32

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -319.546 $\pm$ 358.993 χ^2 /NDF:17.0/15

Right Out: 448.412 $\pm$ 481.333 χ^2 /NDF: 16.8/18

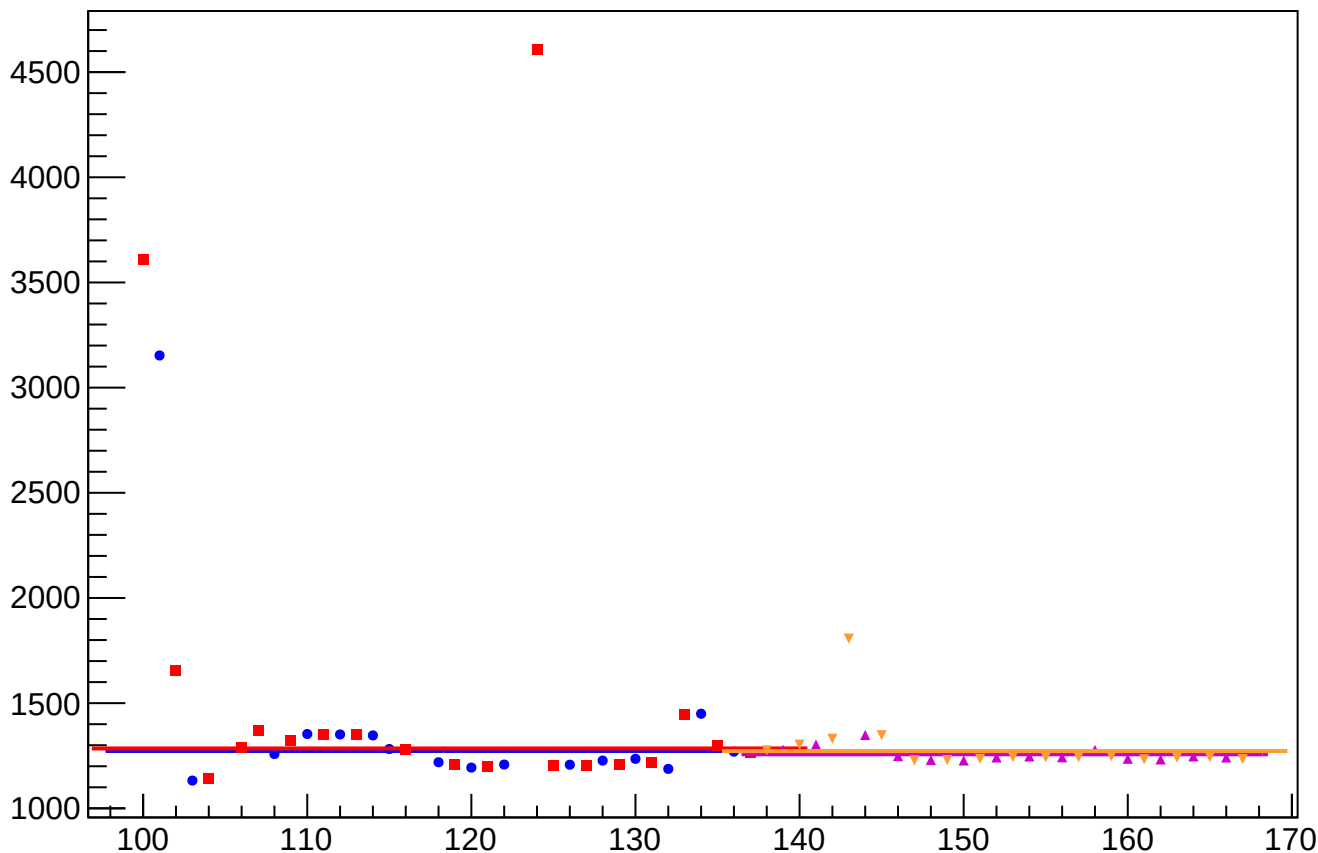
Left In: -12.535 $\pm$ 369.955 χ^2 /NDF:10.2/13

+ sign 3.626 $\pm$ 288.004 χ^2 /NDF: 36.3/31

All: 79.717 $\pm$ 205.505 χ^2 /NDF: 64.1/64

- sign 158.646 $\pm$ 293.324 χ^2 /NDF: 27.6/32

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: 1272.115+/-0.254 χ^2 /NDF: 164683.8/15

Right Out: 1284.654+/-0.340 χ^2 /NDF: 328734.9/18

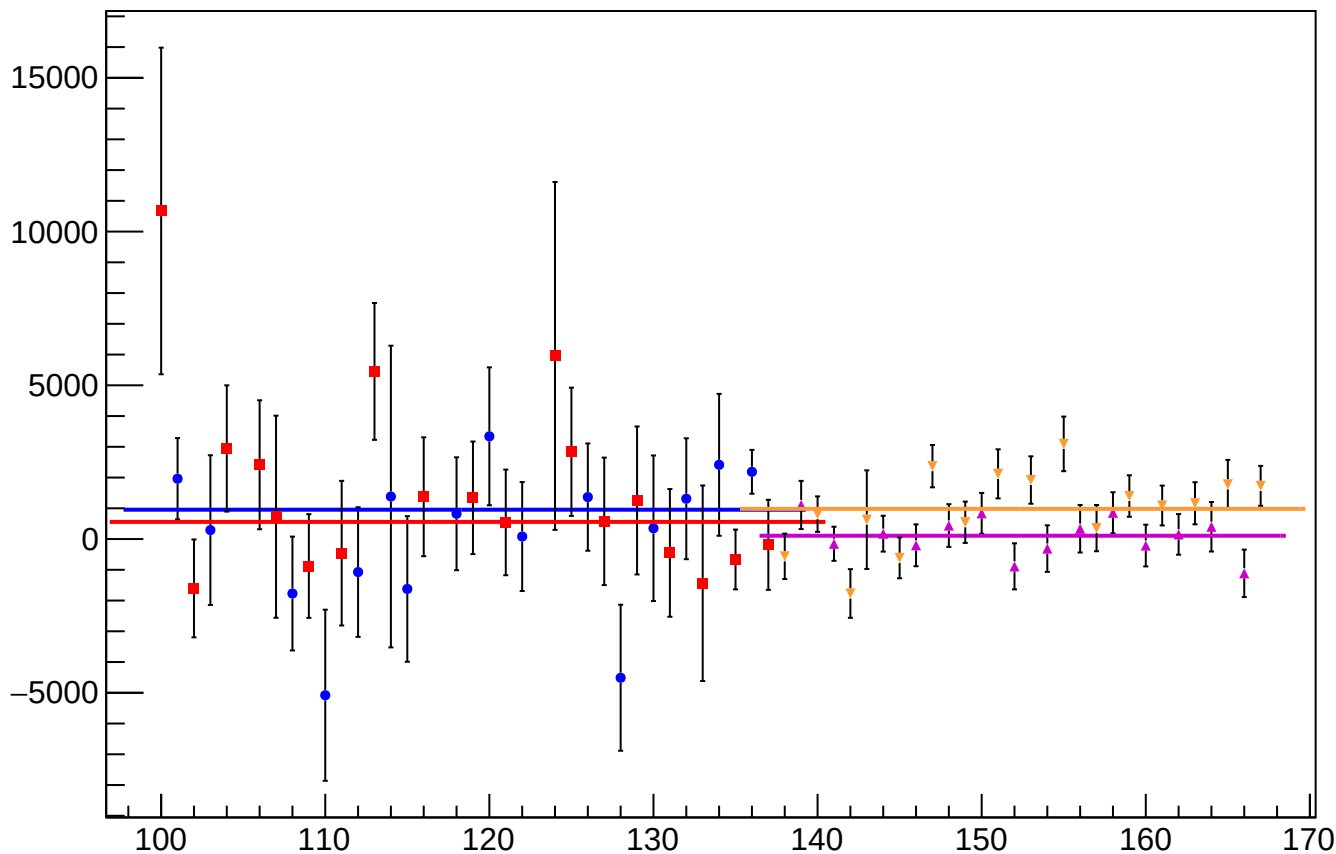
Left In: 1256.764+/-0.262 χ^2 /NDF: 15395.5/13

+ sign 1272.361+/-0.204 χ^2 /NDF: 683986.0/31

All: 1269.789+/-0.145 χ^2 /NDF: 1032662.4/64

- sign 1267.122+/-0.207 χ^2 /NDF: 348351.6/32

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: 981.974 $\pm$ 181.442 χ^2 /NDF:39.5/15

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

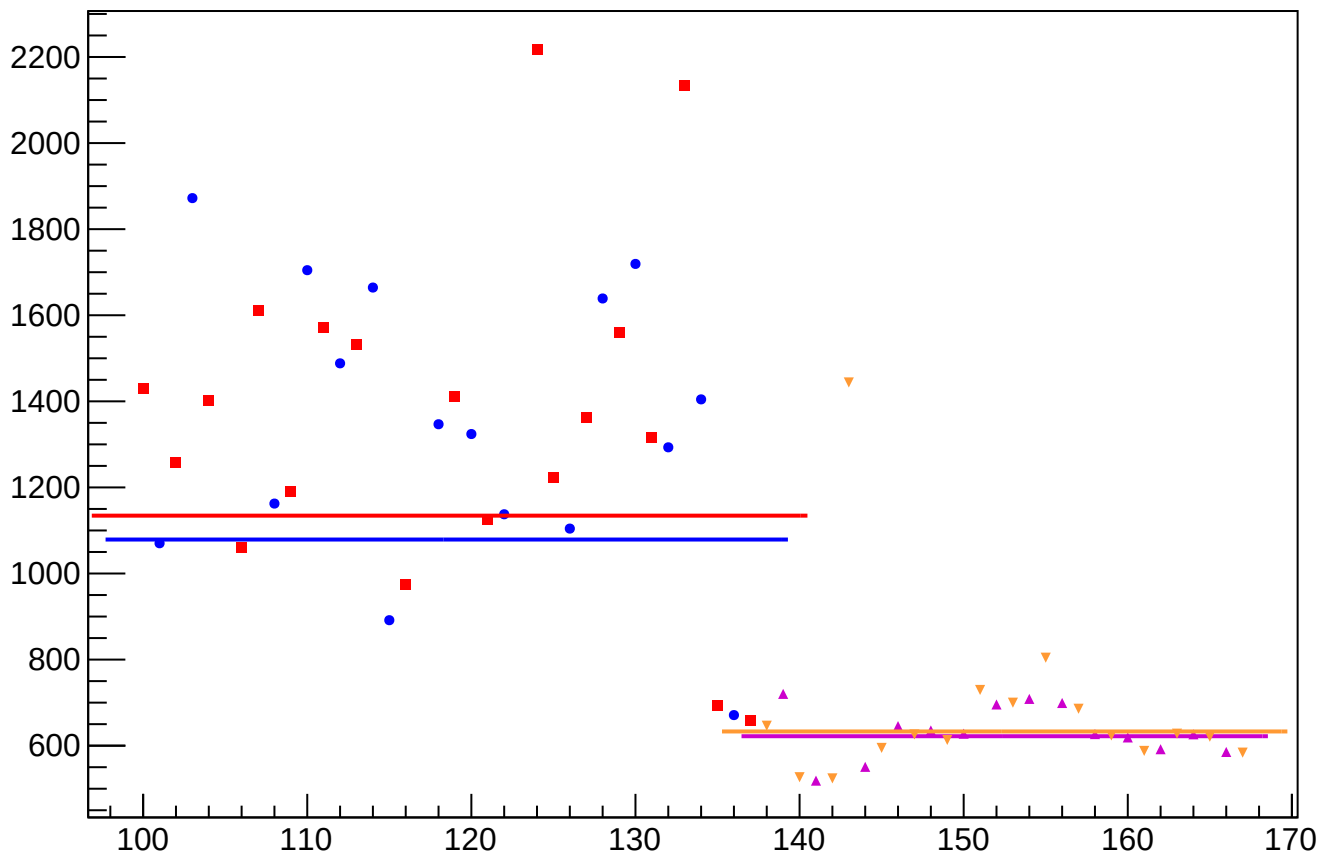
Left In: 107.587 $\pm$ 184.272 χ^2 /NDF:9.8/13

+ sign 977.695 $\pm$ 166.911 χ^2 /NDF: 59.4/31

All: 583.533 $\pm$ 119.105 χ^2 /NDF: 99.8/64

- sign 174.592 $\pm$ 170.012 χ^2 /NDF: 29.1/32

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2 /NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2 /NDF: 777246.0/15

Right Out: 1134.428+/-0.312 χ^2 /NDF: 1288899.2/18

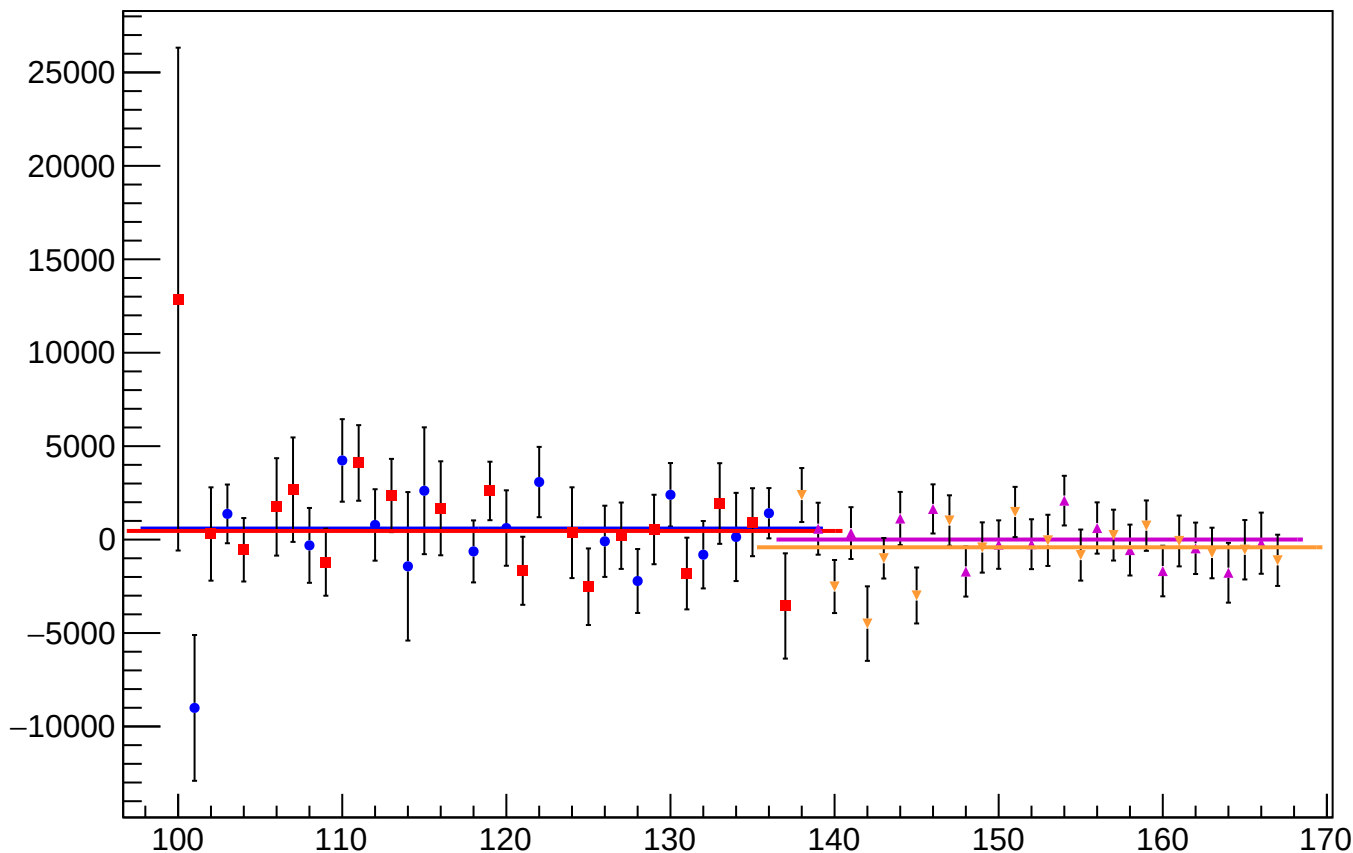
Left In: 621.982+/-0.130 χ^2 /NDF: 208331.8/13

+ sign 701.601+/-0.118 χ^2 /NDF: 4113148.6/31

All: 699.944+/-0.084 χ^2 /NDF: 7912040.4/64

- sign 698.226+/-0.120 χ^2 /NDF: 3798490.4/32

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322 $\pm$ 485.483 χ^2 /NDF: 17.1/15

Left Out: -411.517 $\pm$ 346.050 χ^2 /NDF:18.0/15

Right Out: 462.606 $\pm$ 476.795 χ^2 /NDF: 16.7/18

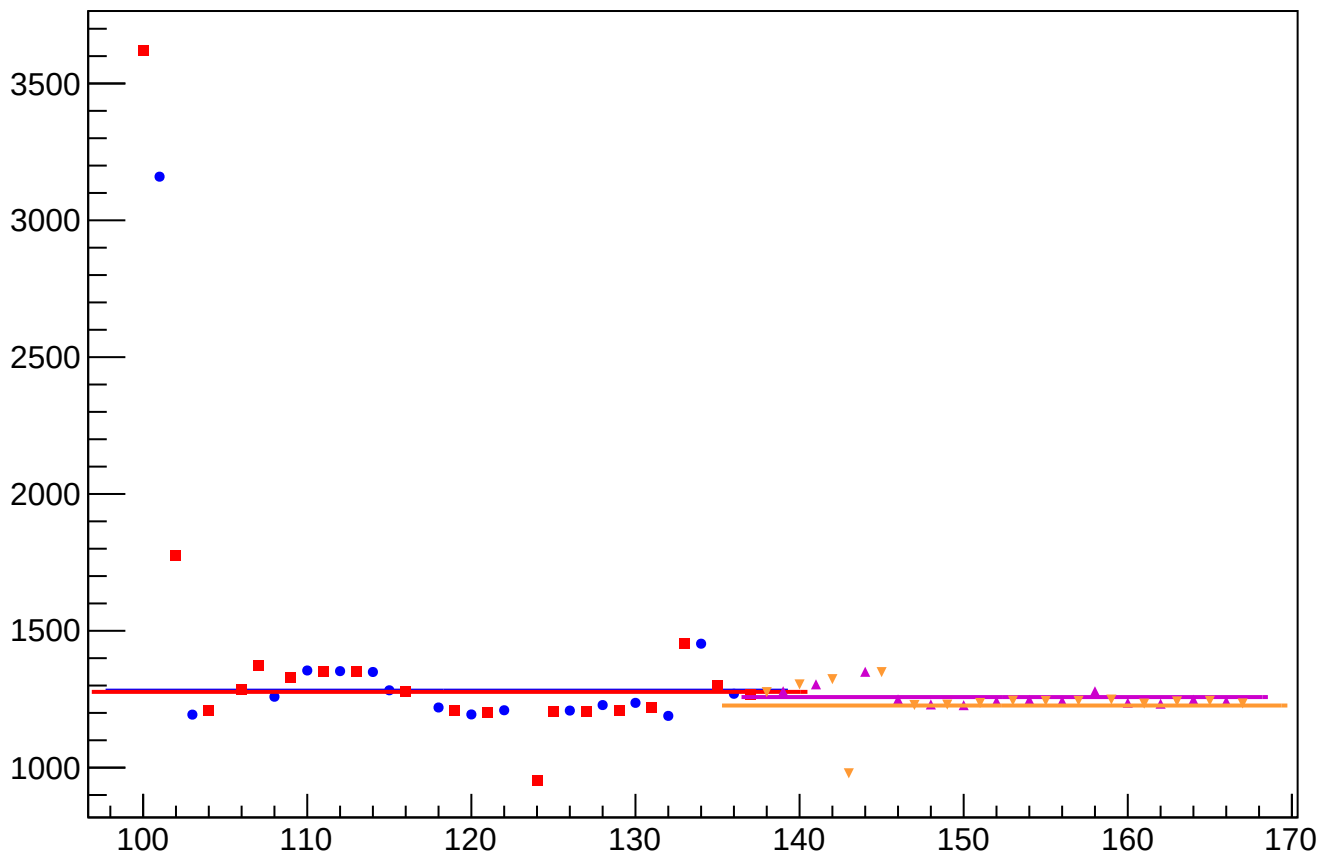
Left In: 3.389 $\pm$ 370.281 χ^2 /NDF:9.9/13

+ sign -73.993 $\pm$ 281.791 χ^2 /NDF: 37.9/31

All: 46.439 $\pm$ 202.920 χ^2 /NDF: 65.4/64

- sign 176.153 $\pm$ 292.448 χ^2 /NDF: 27.1/32

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF : 132788.9/15

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

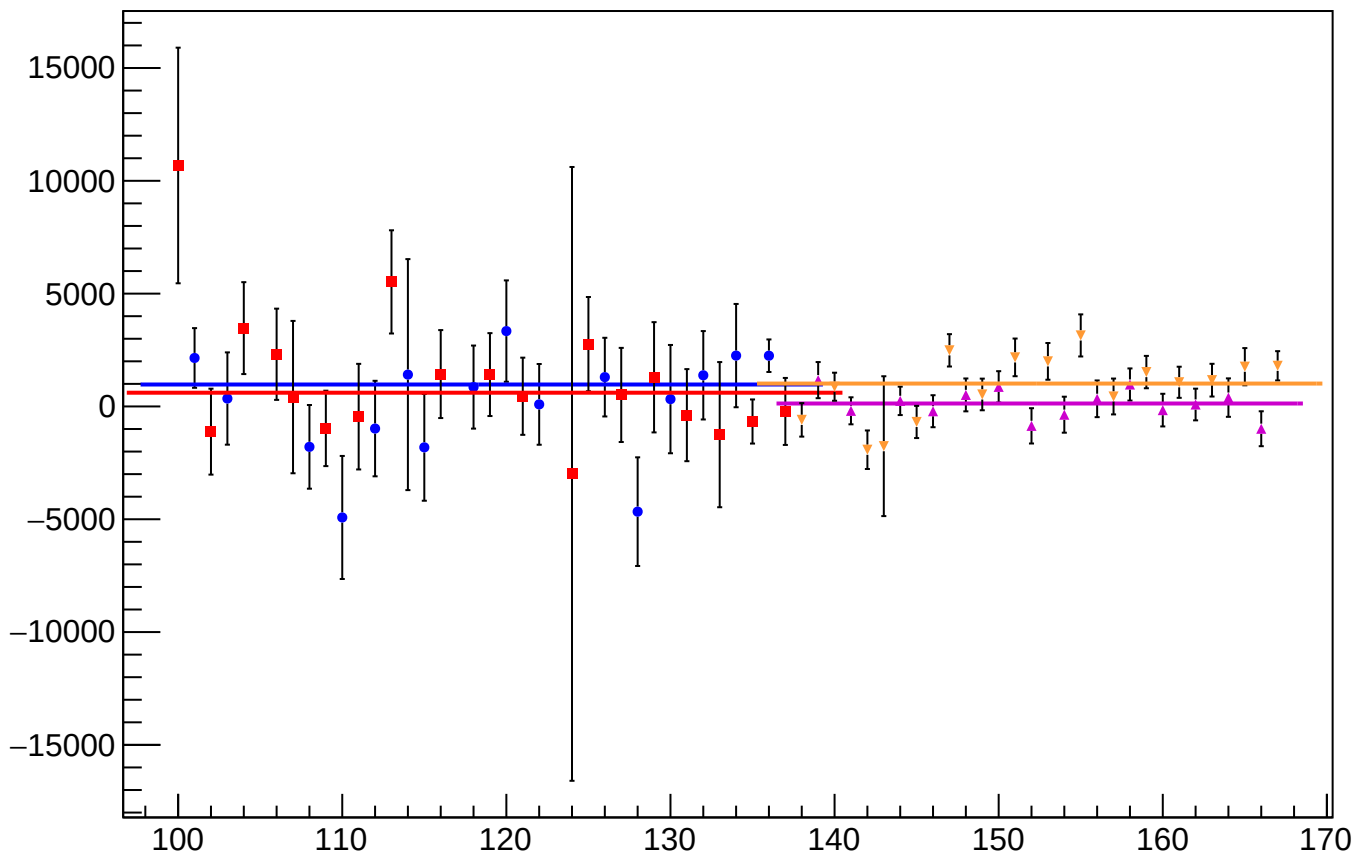
Left In: 1257.869+/-0.262 χ^2/NDF : 15483.0/13

+ sign 1245.309+/-0.199 χ^2/NDF : 656506.9/31

All: 1254.796+/-0.143 χ^2/NDF : 899190.9/64

- sign 1265.014+/-0.207 χ^2/NDF : 237975.9/32

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 972.287 $\pm$ 425.219 χ^2/NDF : 20.4/15

Left Out: 1013.965 $\pm$ 191.416 χ^2/NDF : 39.7/15

Right Out: 608.431 $\pm$ 447.734 χ^2/NDF : 17.1/18

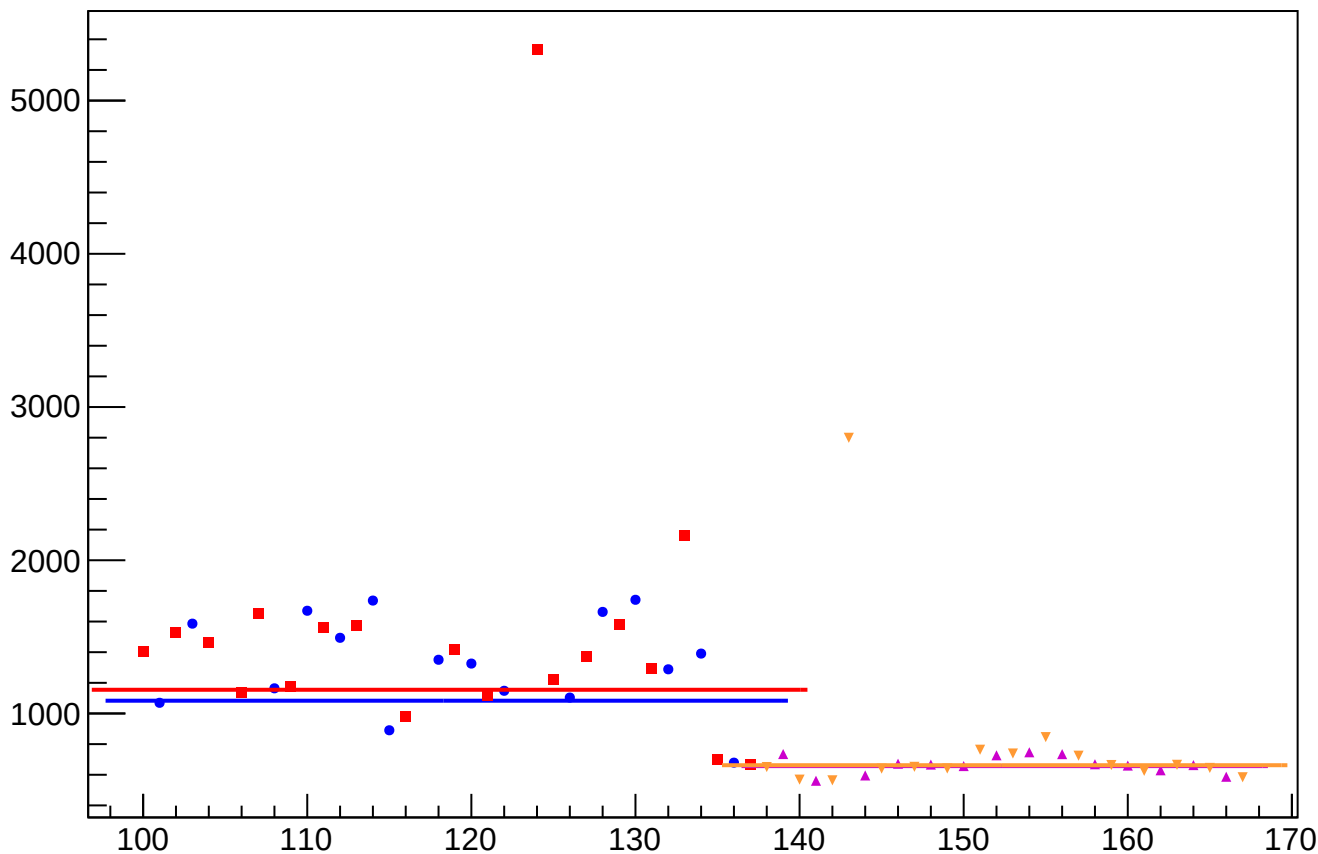
Left In: 130.263 $\pm$ 194.288 χ^2/NDF : 9.4/13

+ sign 1006.942 $\pm$ 174.546 χ^2/NDF : 60.2/31

All: 614.852 $\pm$ 124.705 χ^2/NDF : 98.0/64

- sign 206.034 $\pm$ 178.231 χ^2/NDF : 27.5/32

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: 662.334 +/- 0.135 χ^2/NDF : 1200765.2/15

Right Out: 1154.724 +/- 0.317 χ^2/NDF : 1488304.5/18

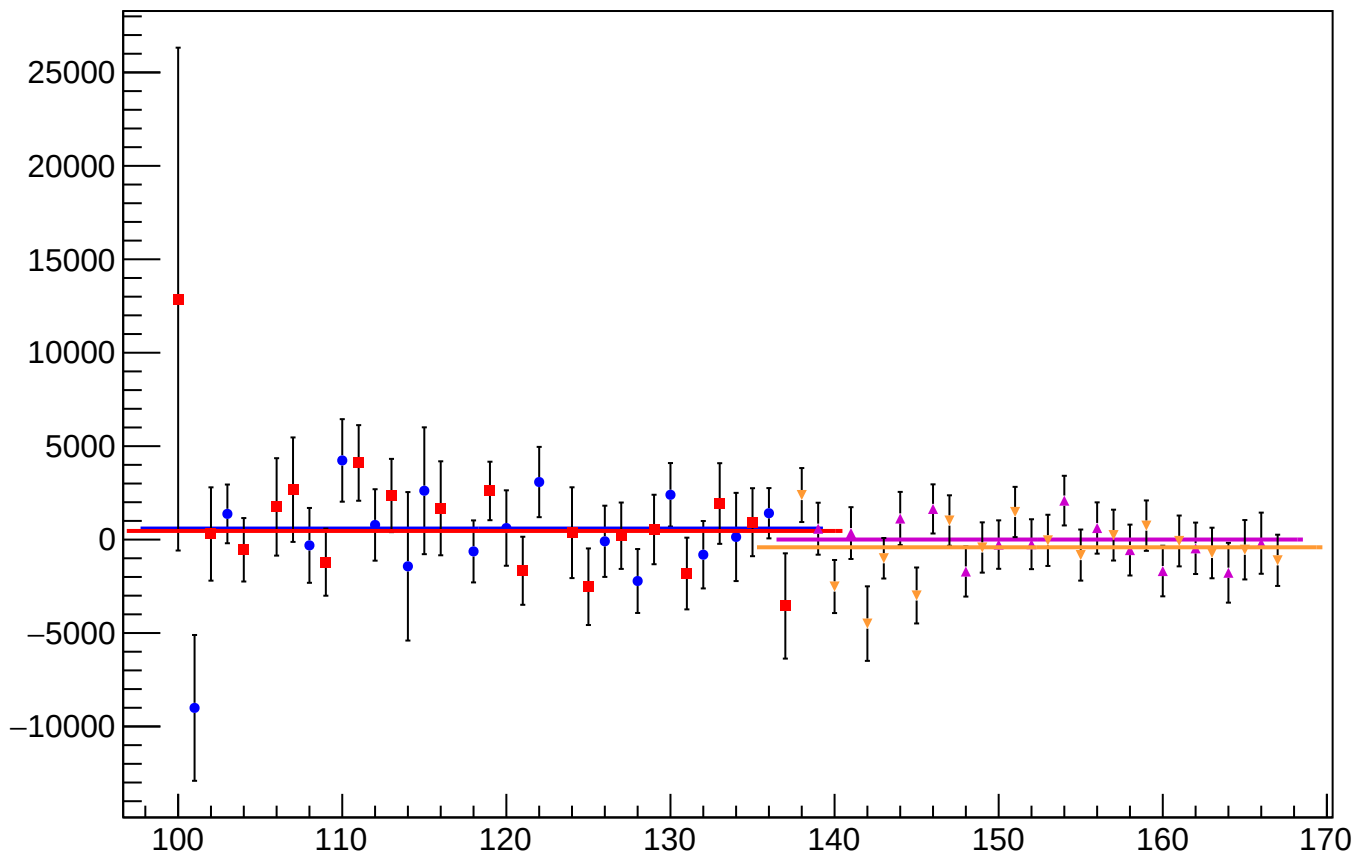
Left In: 656.488 +/- 0.137 χ^2/NDF : 170594.9/13

+ sign 733.272 +/- 0.123 χ^2/NDF : 4191090.0/31

All: 734.333 +/- 0.088 χ^2/NDF : 7934320.2/64

- sign 735.439 +/- 0.126 χ^2/NDF : 3743079.3/32

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: -411.519+/-346.051 χ^2/NDF : 18.0/15

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

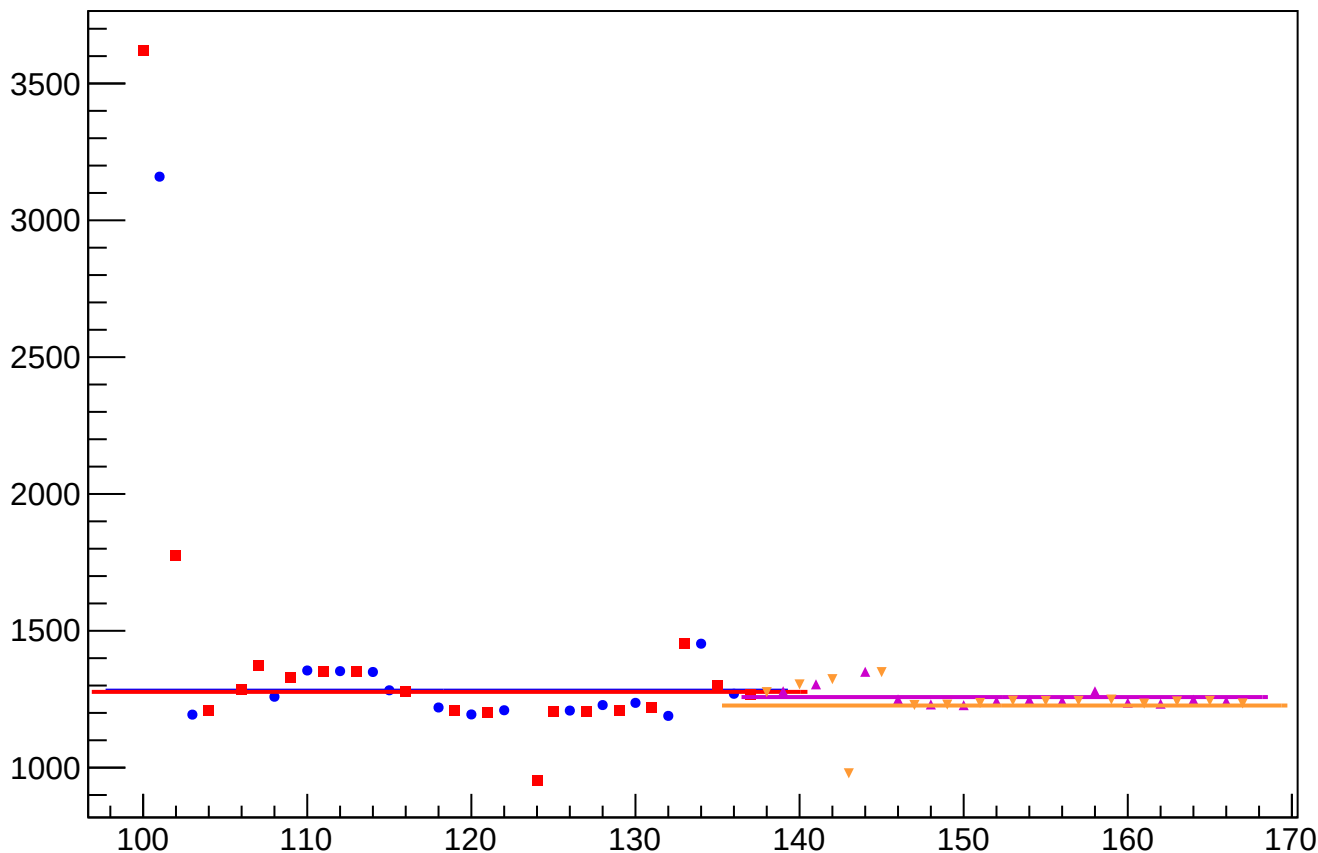
Left In: 3.388+/-370.281 χ^2/NDF : 9.9/13

+ sign -73.993+/-281.791 χ^2/NDF : 37.9/31

All: 46.438+/-202.920 χ^2/NDF : 65.4/64

- sign 176.152+/-292.448 χ^2/NDF : 27.1/32

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: 1226.989+/-0.245 χ^2/NDF : 132788.2/15

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.5/18

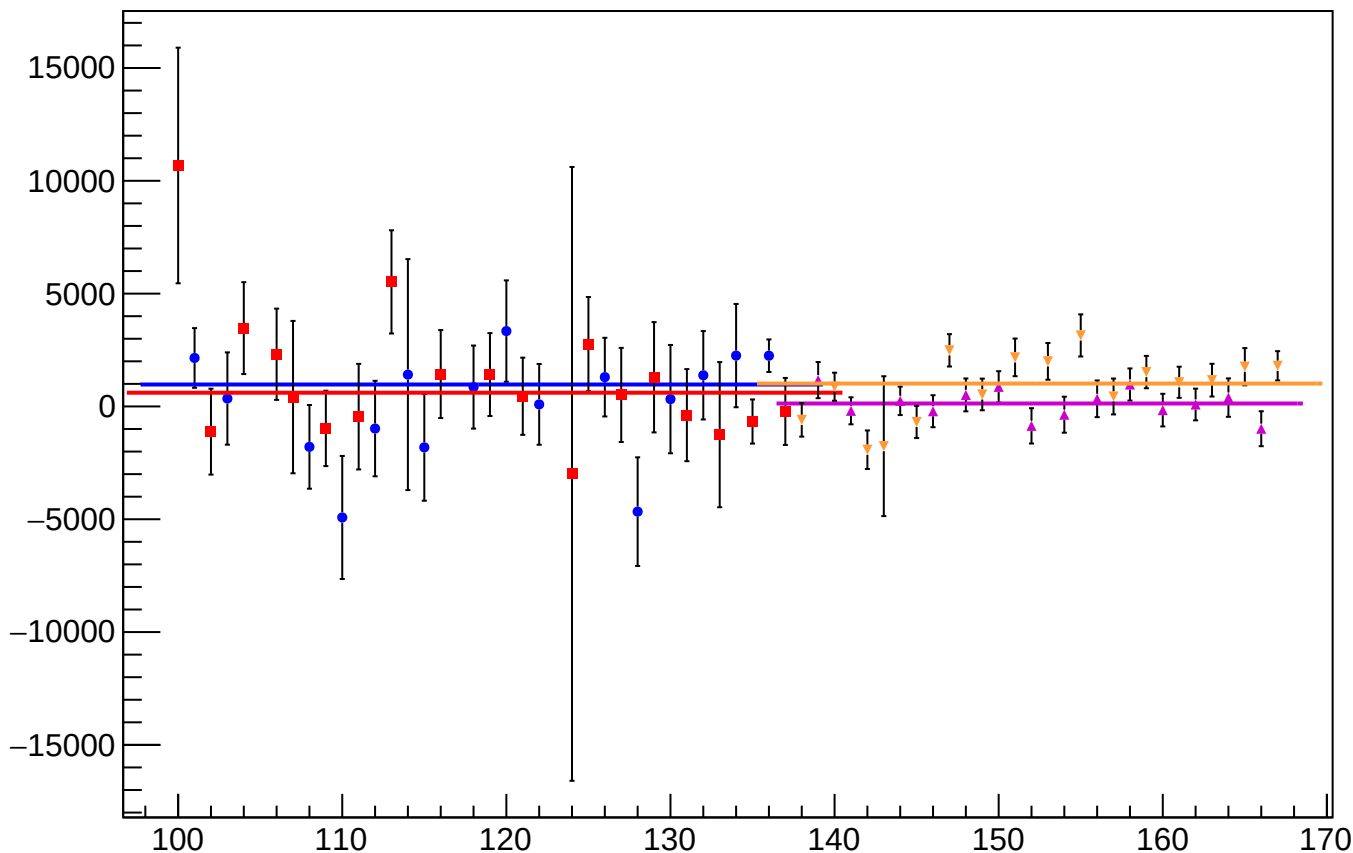
Left In: 1257.869+/-0.262 χ^2/NDF : 15483.0/13

+ sign 1245.310+/-0.199 χ^2/NDF : 656506.2/31

All: 1254.796+/-0.143 χ^2/NDF : 899190.0/64

- sign 1265.014+/-0.207 χ^2/NDF : 237975.8/32

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: 1013.967 $\pm$ 191.416 χ^2 /NDF:39.7/15

Right Out: 608.441 $\pm$ 447.736 χ^2 /NDF: 17.1/18

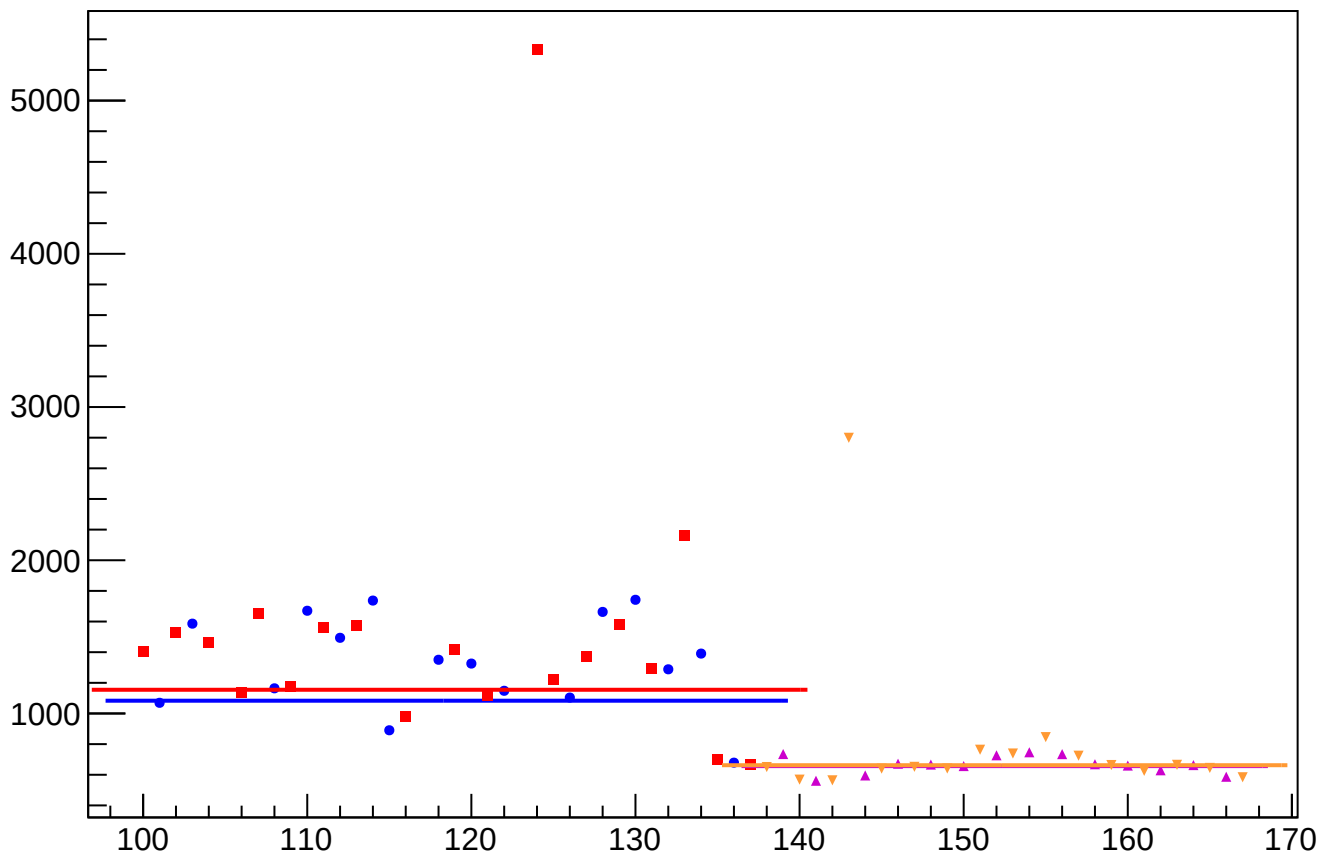
Left In: 130.262 $\pm$ 194.288 χ^2 /NDF:9.4/13

+ sign 1006.943 $\pm$ 174.546 χ^2 /NDF: 60.2/31

All: 614.852 $\pm$ 124.705 χ^2 /NDF: 98.0/64

- sign 206.034 $\pm$ 178.231 χ^2 /NDF: 27.5/32

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: 662.335+/-0.135 χ^2 /NDF: 1200760.3/15

Right Out: 1154.732+/-0.317 χ^2 /NDF: 1488251.4/18

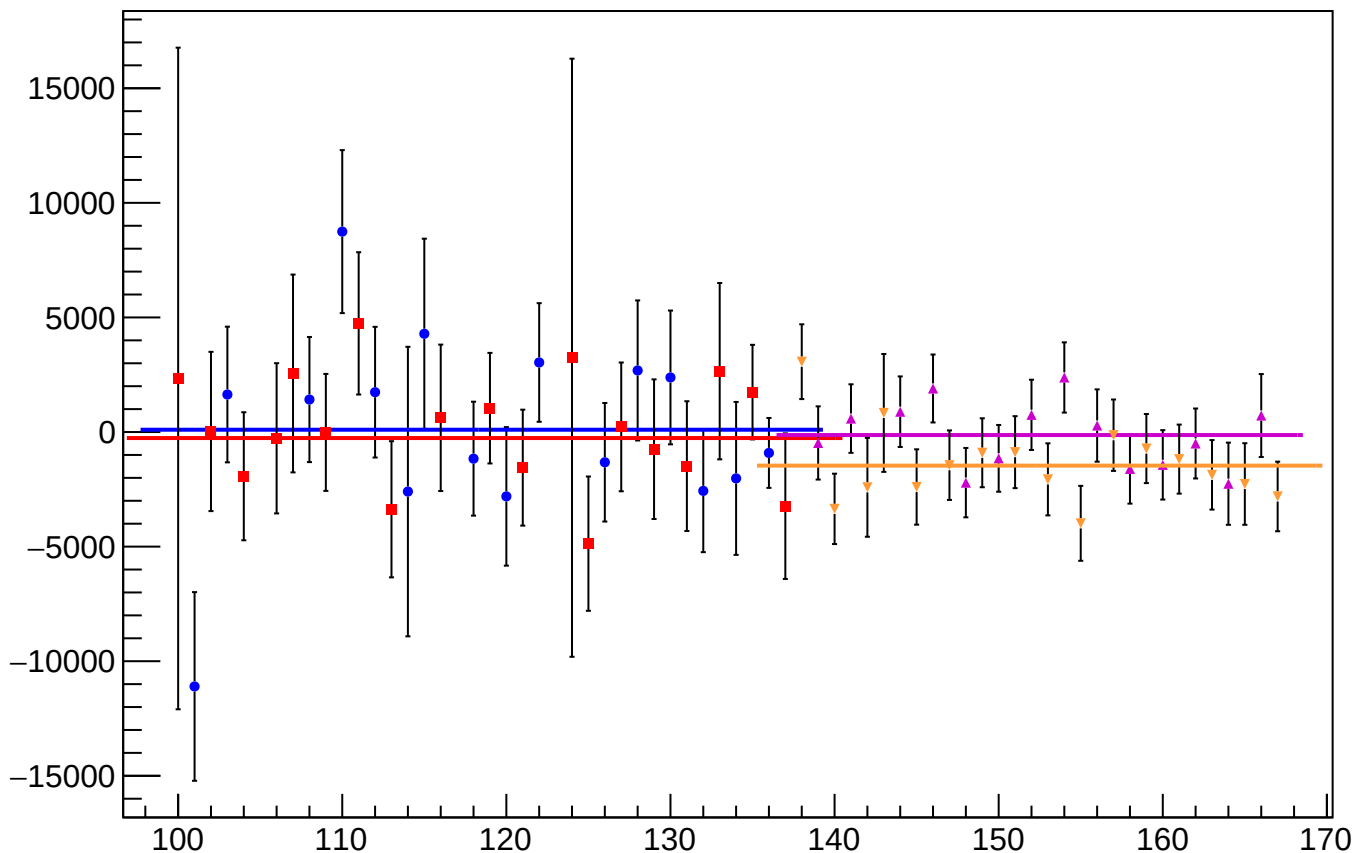
Left In: 656.487+/-0.137 χ^2 /NDF: 170598.3/13

+ sign 733.273+/-0.123 χ^2 /NDF: 4191063.8/31

All: 734.334+/-0.088 χ^2 /NDF: 7934294.5/64

- sign 735.439+/-0.126 χ^2 /NDF: 3743079.9/32

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451 ± 698.983 χ^2/NDF : 21.3/15

Left Out: -1465.663 ± 405.730 χ^2/NDF : 15.4/15

Right Out: -262.731 ± 699.724 χ^2/NDF : 10.3/18

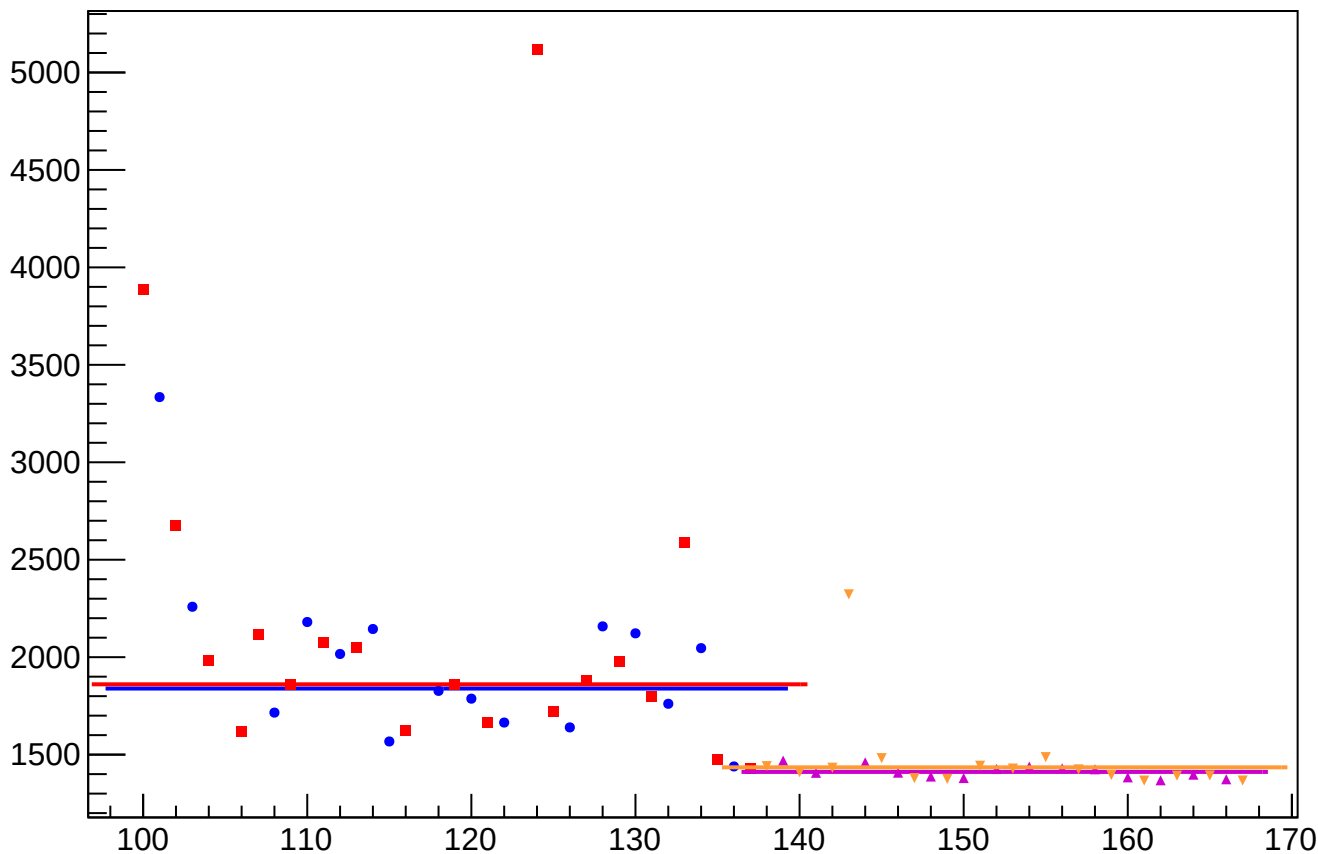
Left In: -131.750 ± 415.433 χ^2/NDF : 11.4/13

+ sign -1070.973 ± 350.900 χ^2/NDF : 40.5/31

All: -626.506 ± 250.328 χ^2/NDF : 65.5/64

- sign -165.887 ± 357.218 χ^2/NDF : 21.8/32

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1434.806+/-0.287 χ^2/NDF : 260489.2/15

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

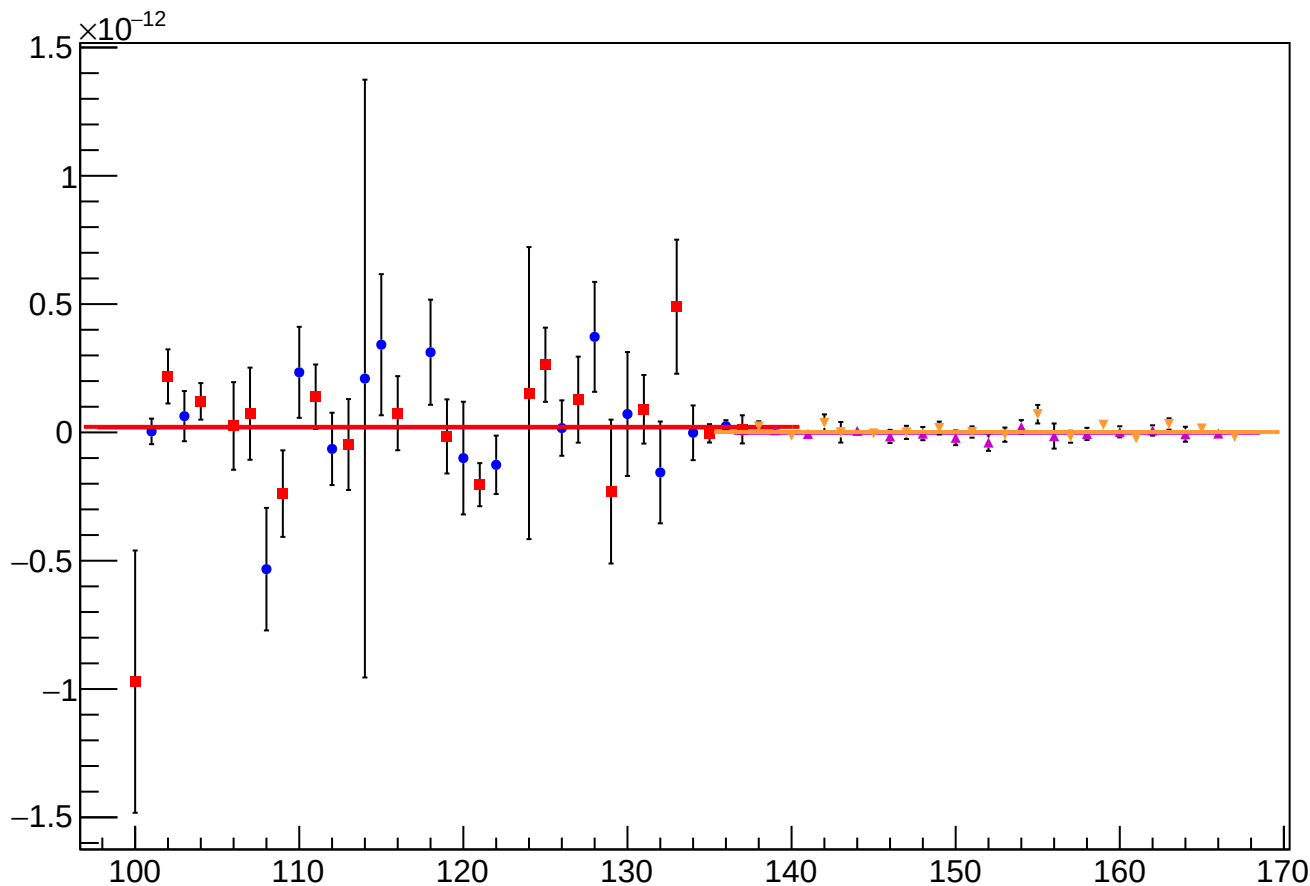
Left In: 1411.277+/-0.294 χ^2/NDF : 10630.6/13

+ sign 1536.699+/-0.248 χ^2/NDF : 1317724.5/31

All: 1532.635+/-0.177 χ^2/NDF : 2461202.6/64

- sign 1528.423+/-0.253 χ^2/NDF : 1142931.9/32

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug

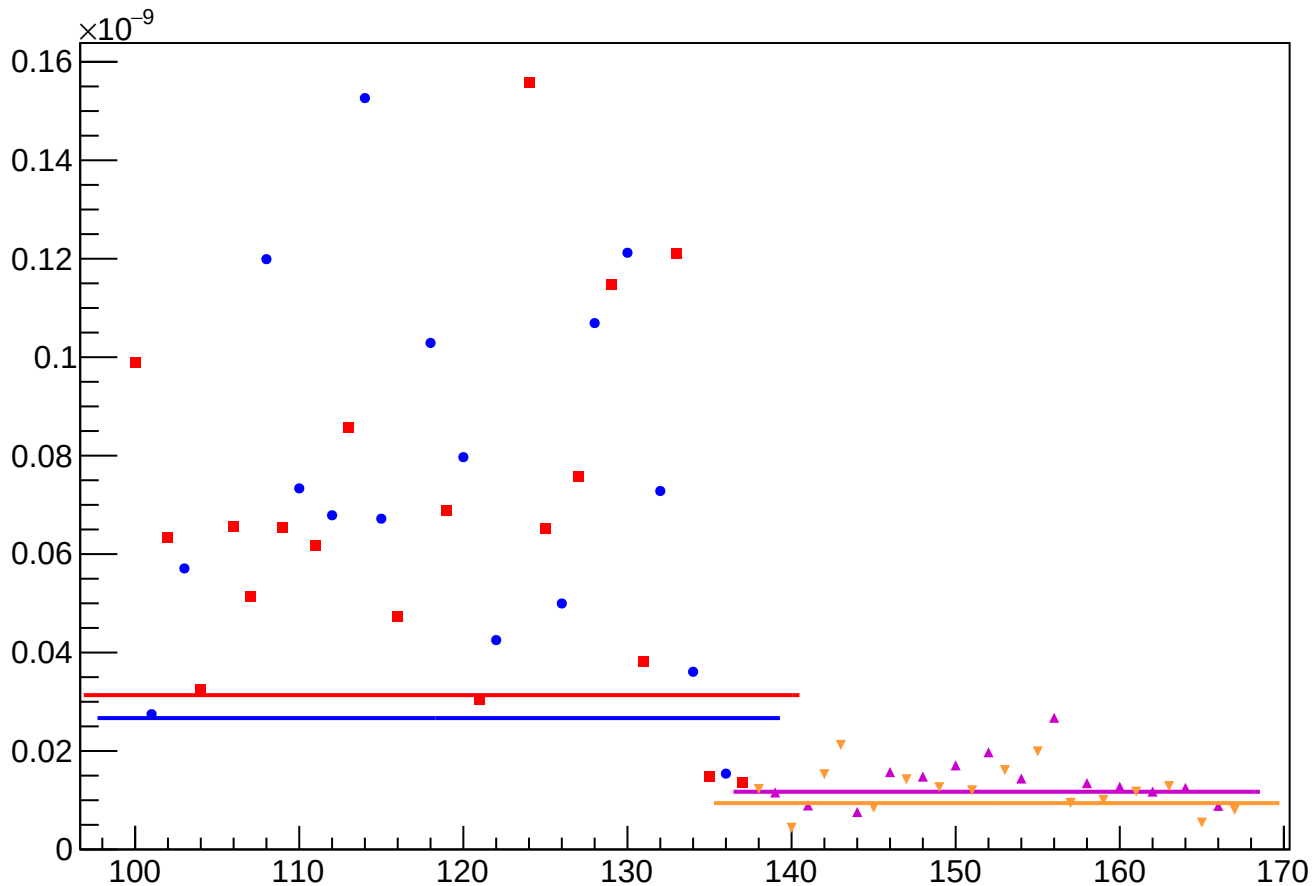


+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 34.4/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 67.6/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 33.1/32

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 : 1356581.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2275167.3/18

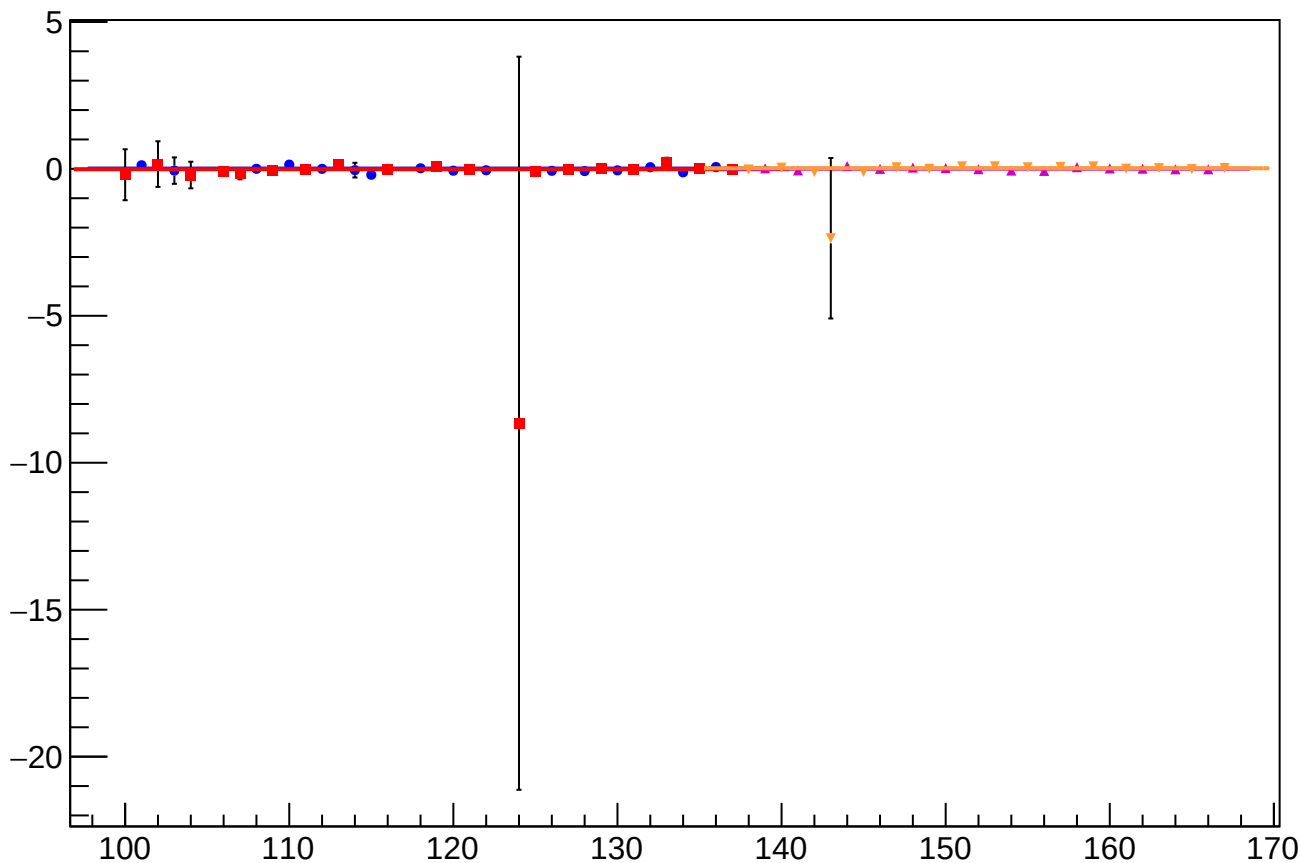
Left In: 0.000+/-0.000 χ^2/NDF : 787855.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 5517736.9/31

All: 0.000+/-0.000 χ^2/NDF : 10258106.6/64

- sign 0.000+/-0.000 χ^2/NDF : 4513938.1/32

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: 0.020 ± 0.011 χ^2/NDF : 17.0/15

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

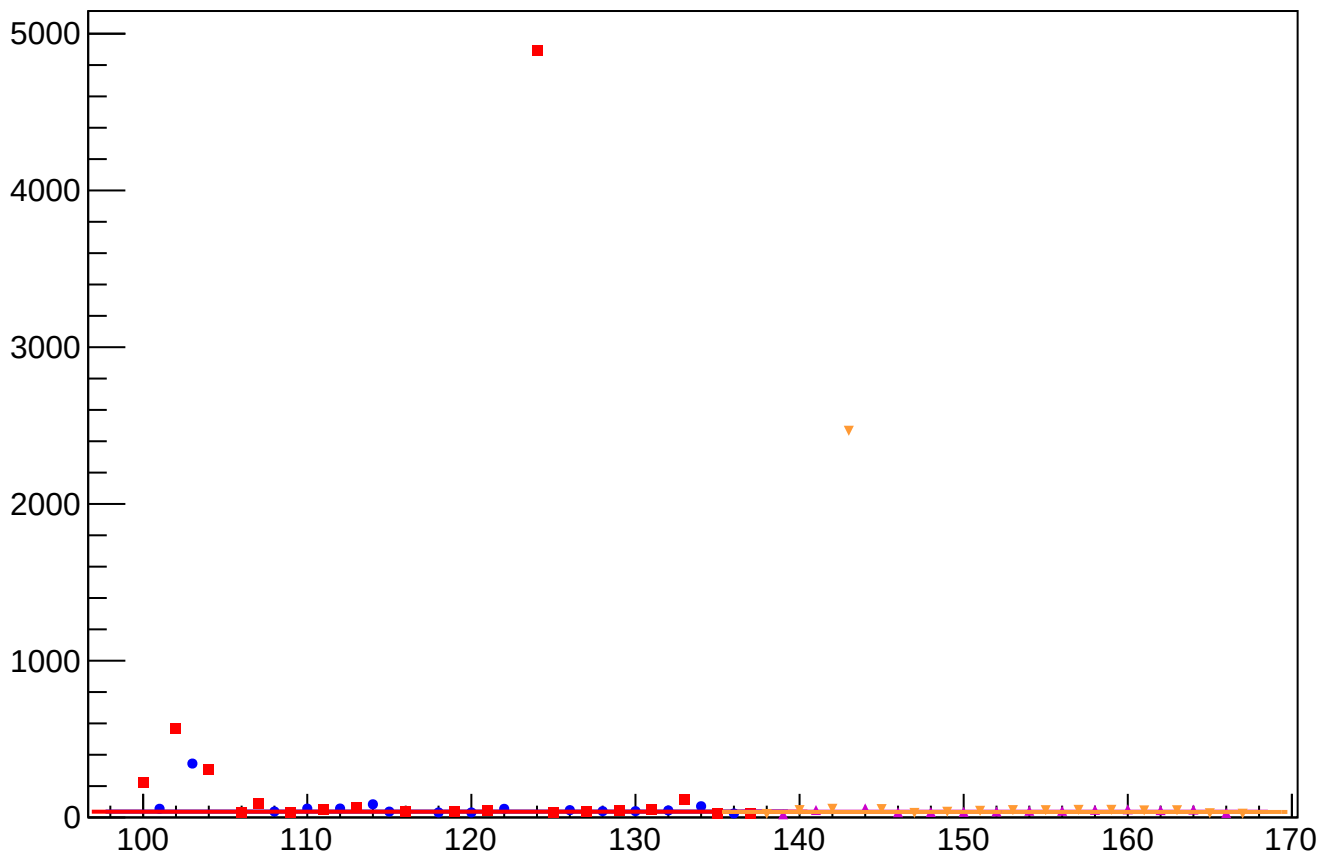
Left In: 0.004 ± 0.012 χ^2/NDF : 9.9/13

+ sign 0.016 ± 0.009 χ^2/NDF : 36.6/31

All: 0.008 ± 0.007 χ^2/NDF : 61.6/64

- sign -0.002 ± 0.010 χ^2/NDF : 23.2/32

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF : 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF : 3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

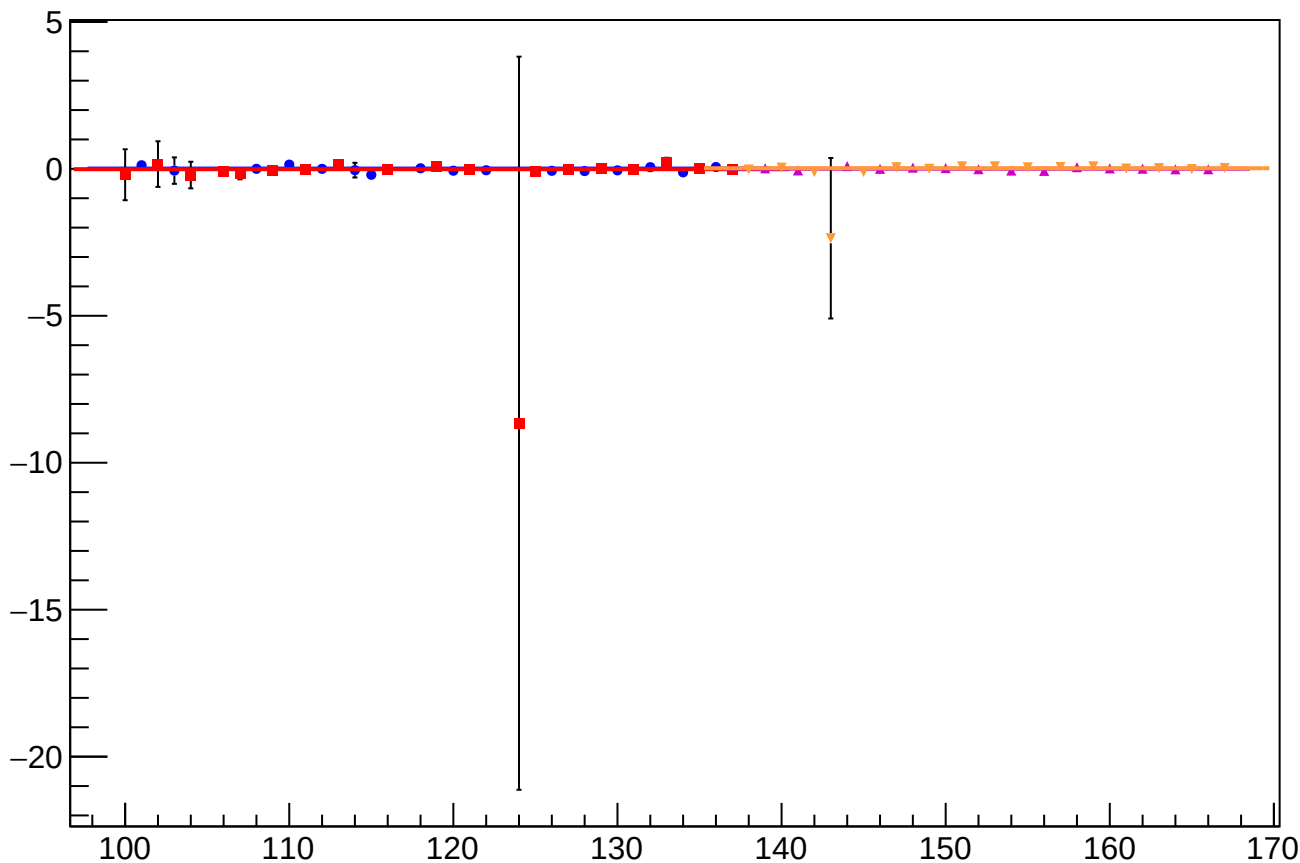
Left In: 36.652+/-0.008 χ^2/NDF : 1574049.5/13

+ sign 35.868+/-0.007 χ^2/NDF : 5493797.7/31

All: 36.260+/-0.005 χ^2/NDF : 10266163.8/64

- sign 36.691+/-0.007 χ^2/NDF : 4764813.4/32

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: 0.020 ± 0.011 χ^2/NDF : 17.0/15

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

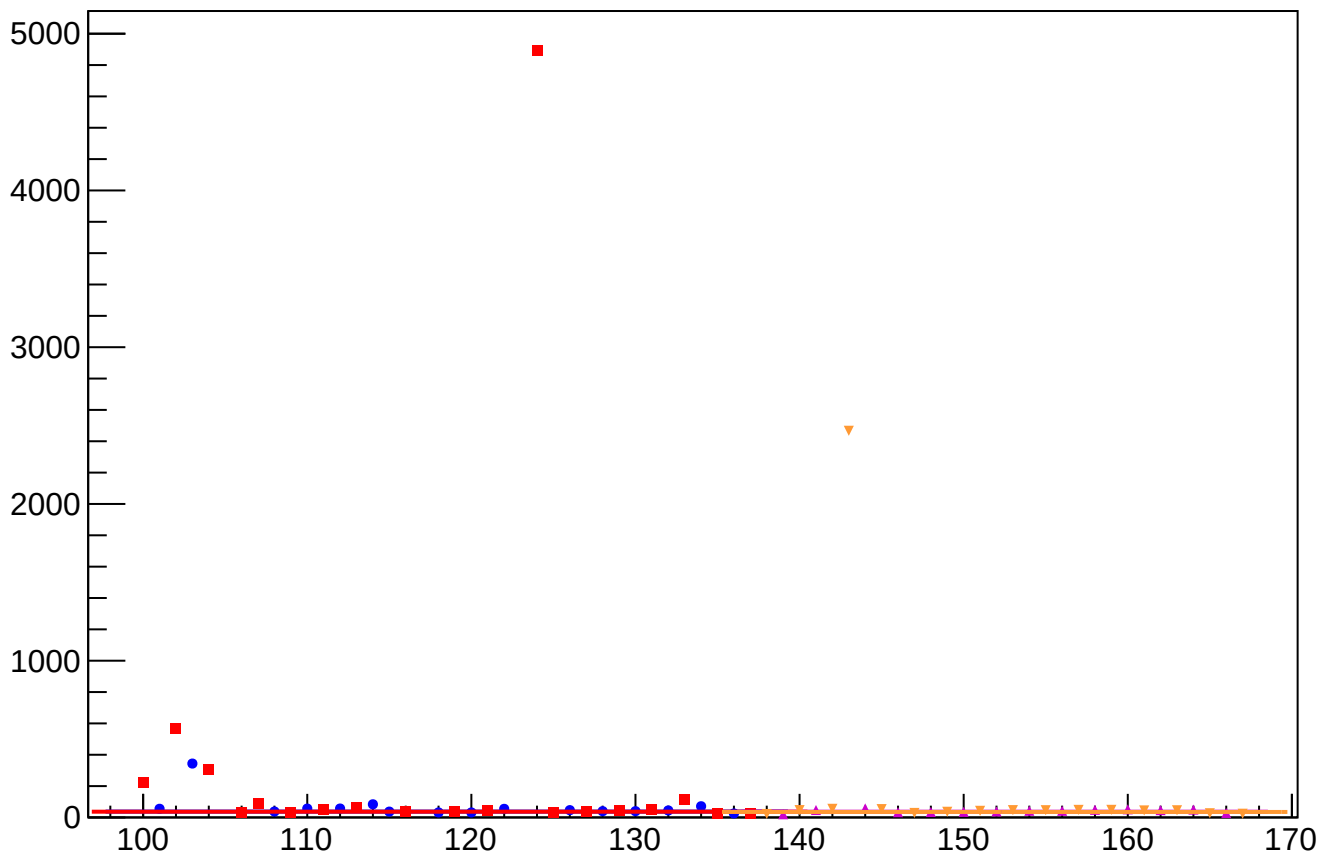
Left In: 0.004 ± 0.012 χ^2/NDF : 9.9/13

+ sign 0.016 ± 0.009 χ^2/NDF : 36.6/31

All: 0.008 ± 0.007 χ^2/NDF : 61.6/64

- sign -0.002 ± 0.010 χ^2/NDF : 23.2/32

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 35.065 $\pm$ 0.008 χ^2 /NDF: 3479952.0/15

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

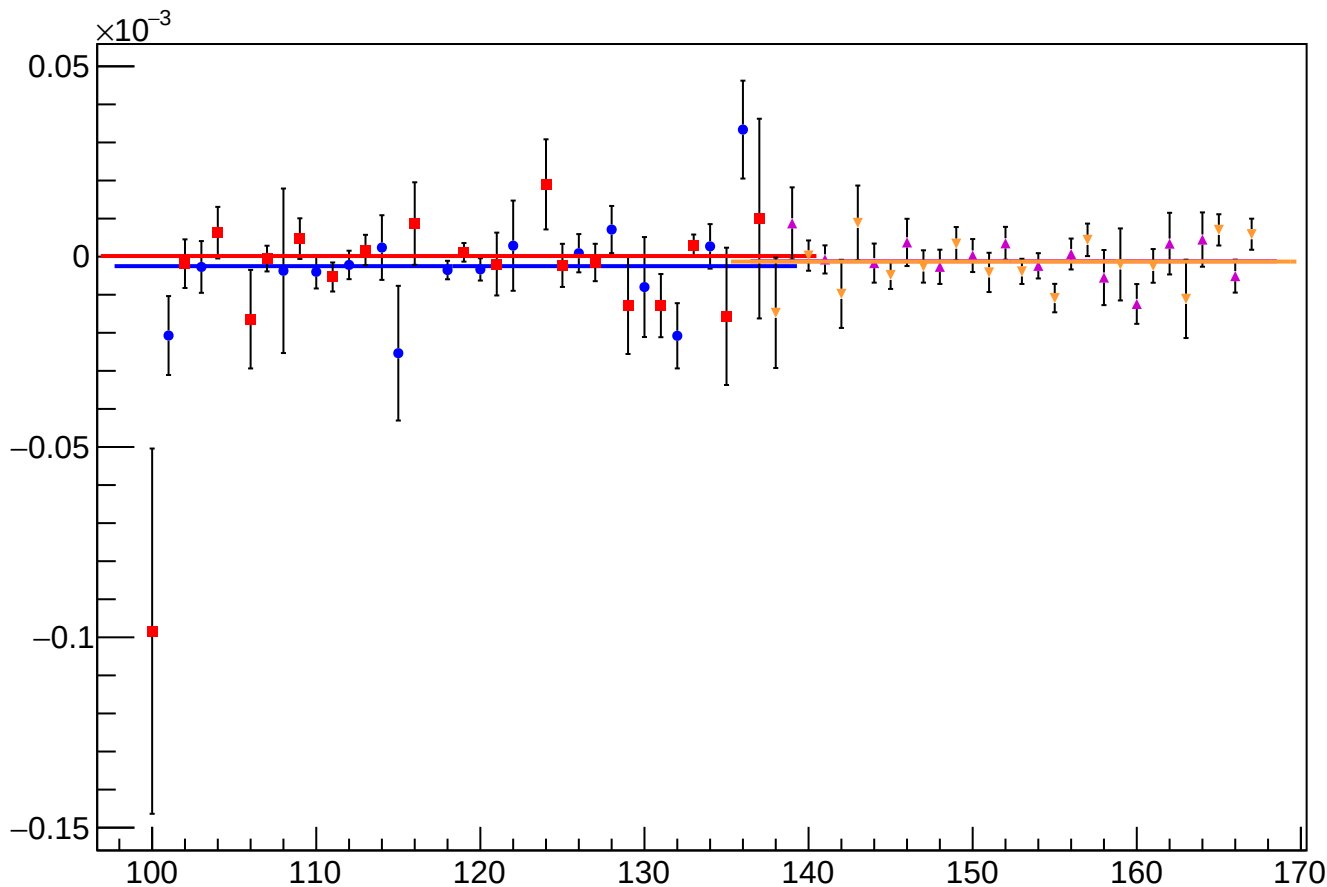
Left In: 36.652 $\pm$ 0.008 χ^2 /NDF: 1574049.5/13

+ sign 35.868 $\pm$ 0.007 χ^2 /NDF: 5493797.7/31

All: 36.260 $\pm$ 0.005 χ^2 /NDF: 10266163.8/64

- sign 36.691 $\pm$ 0.007 χ^2 /NDF: 4764813.4/32

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 22.6/15

Right Out: 0.000+/-0.000 χ^2 /NDF: 18.9/18

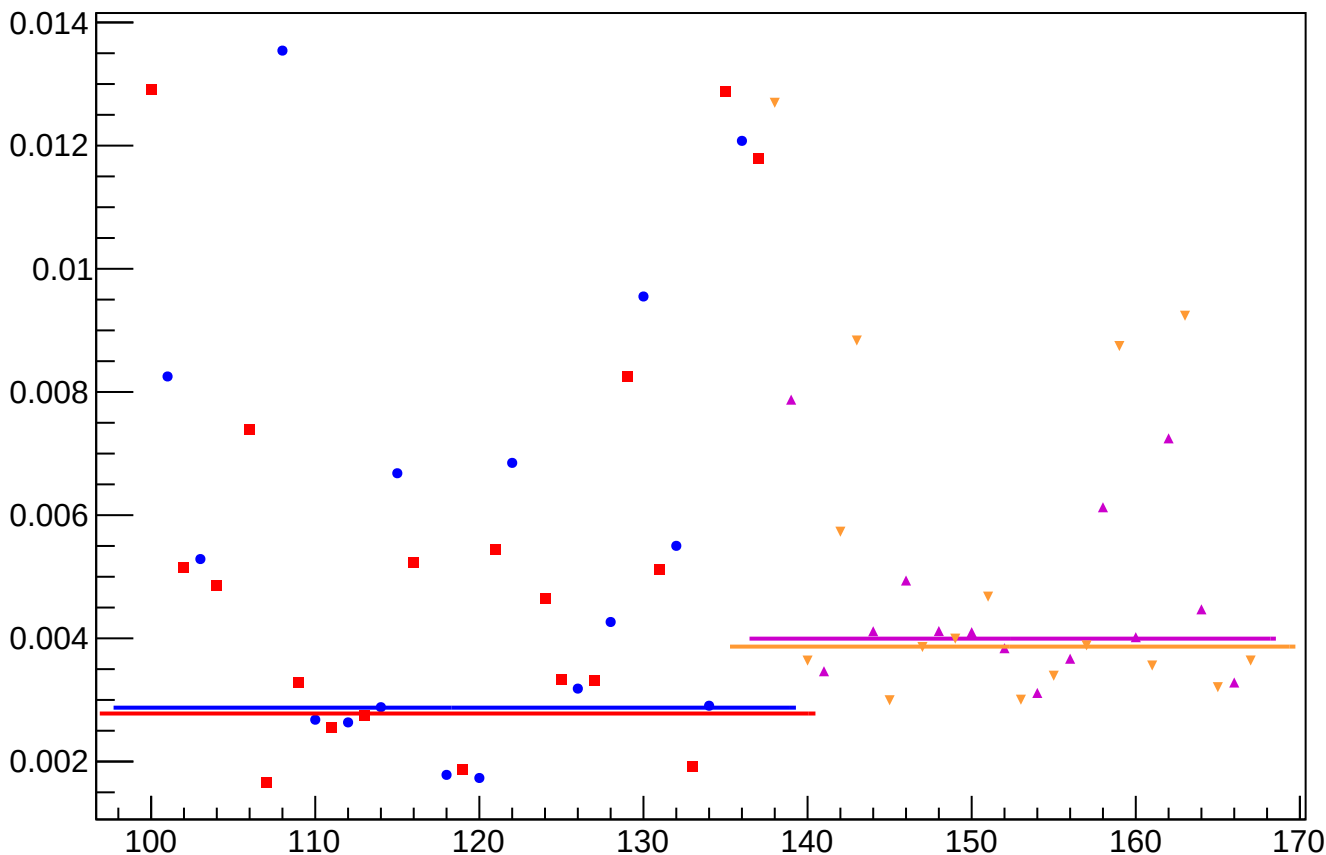
Left In: -0.000+/-0.000 χ^2 /NDF: 10.3/13

+ sign -0.000+/-0.000 χ^2 /NDF: 44.9/31

All: -0.000+/-0.000 χ^2 /NDF: 75.9/64

- sign -0.000+/-0.000 χ^2 /NDF: 29.7/32

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 : 2824920.6/15

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

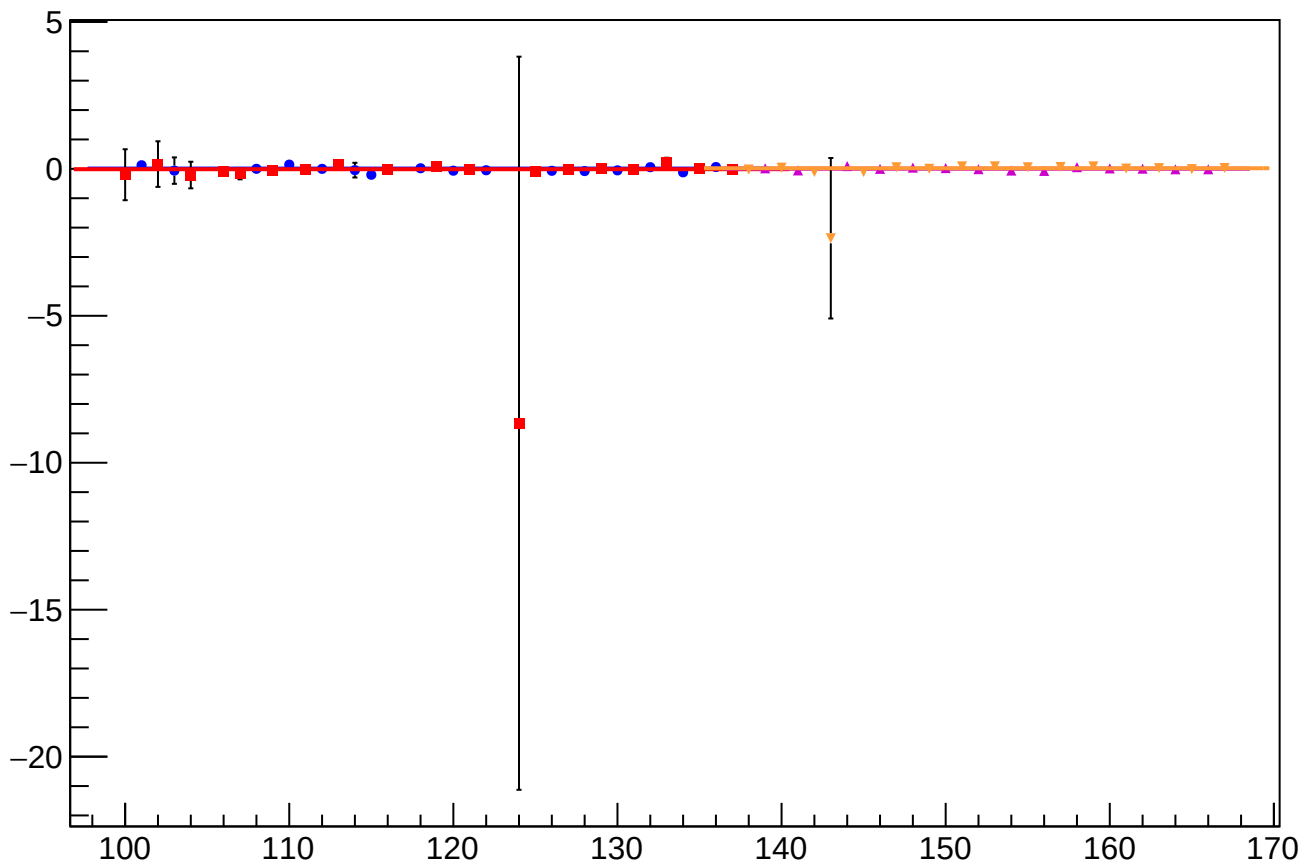
Left In: 0.004+/-0.000 χ^2/NDF : 1143354.4/13

+ sign 0.003+/-0.000 χ^2/NDF : 7612451.9/31

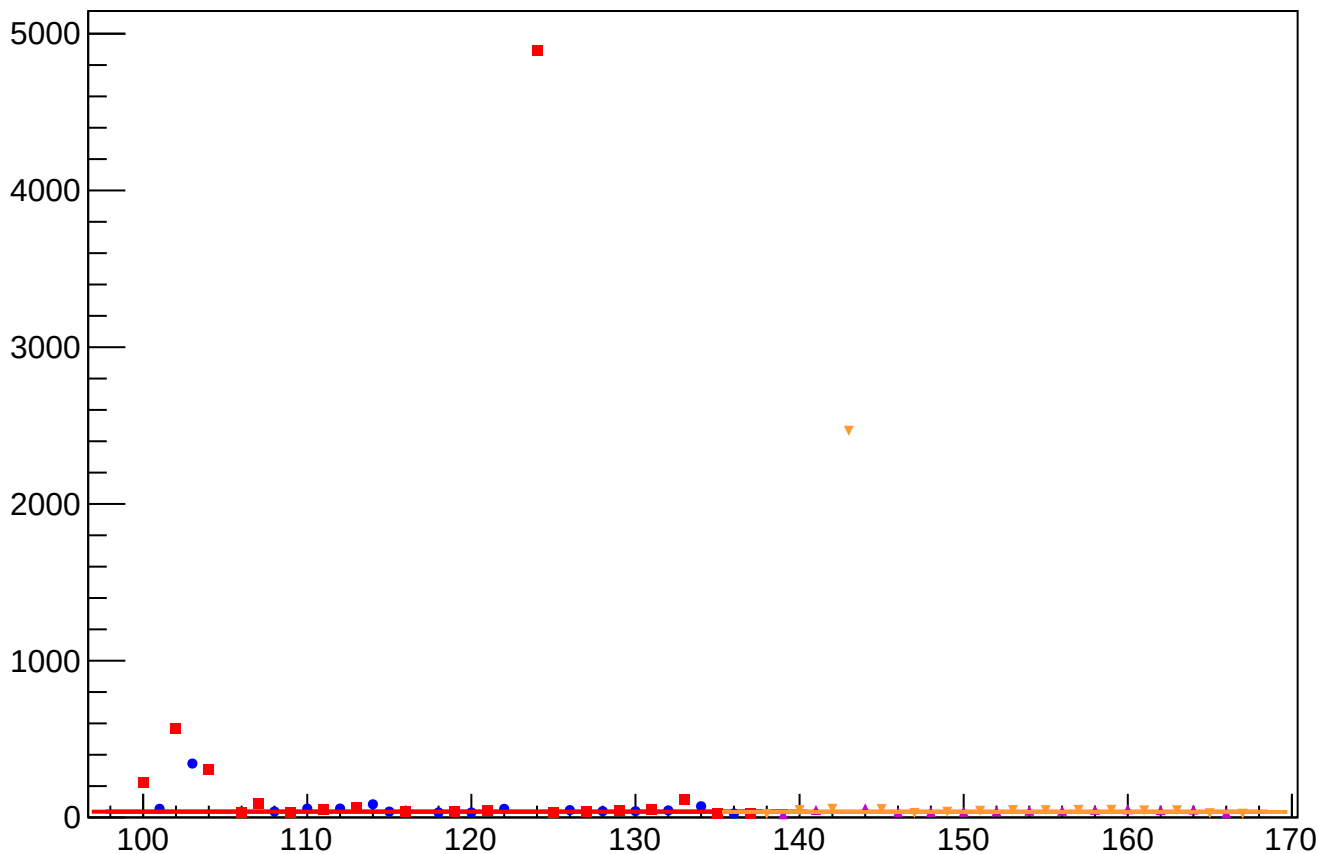
All: 0.003+/-0.000 χ^2/NDF : 13048989.2/64

- sign 0.003+/-0.000 χ^2/NDF : 5425633.9/32

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



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: 35.063 $\pm$ 0.008 χ^2 /NDF: 3480090.1/15

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

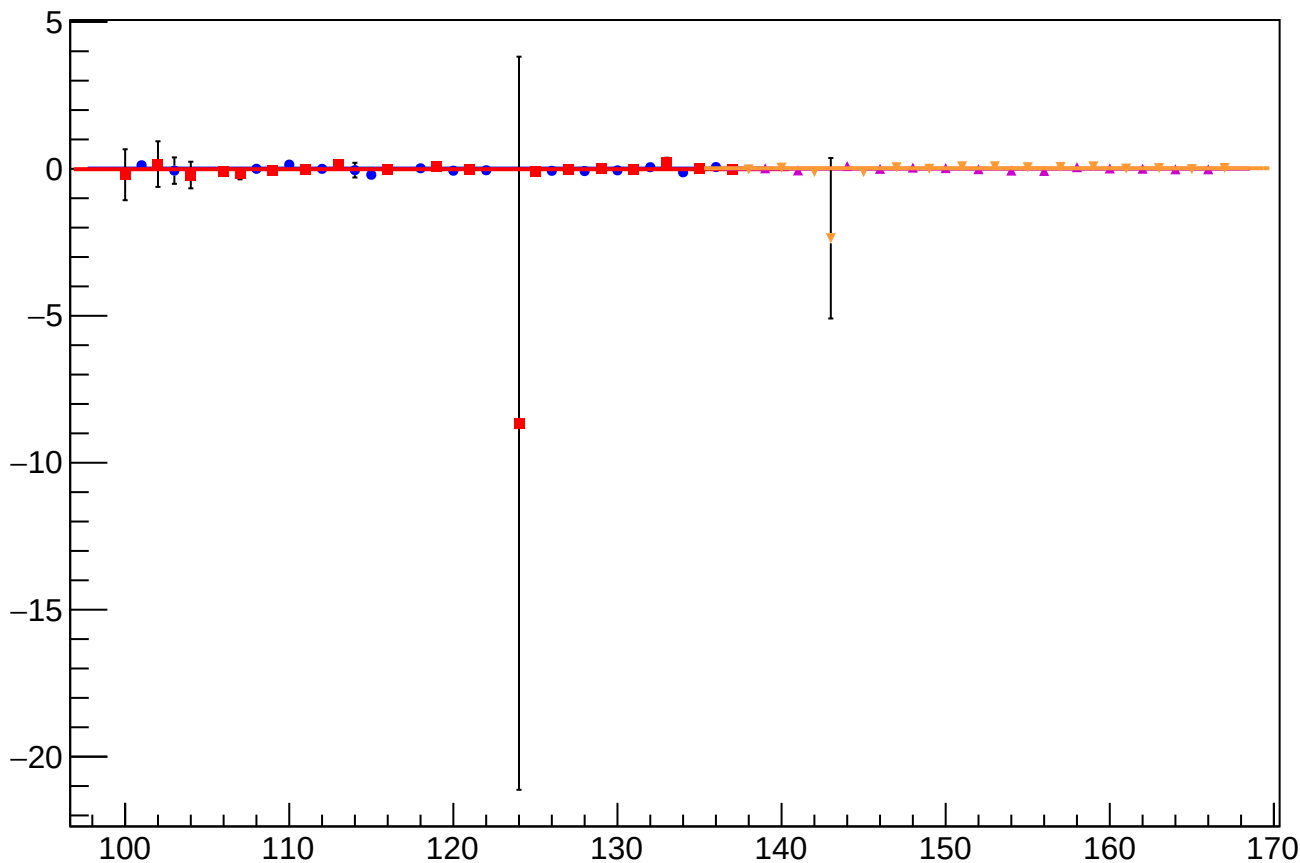
Left In: 36.654 $\pm$ 0.008 χ^2 /NDF: 1572840.7/13

+ sign 35.867 $\pm$ 0.007 χ^2 /NDF: 5493910.3/31

All: 36.261 $\pm$ 0.005 χ^2 /NDF: 10264820.8/64

- sign 36.693 $\pm$ 0.007 χ^2 /NDF: 4763304.2/32

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: 0.020 ± 0.011 χ^2/NDF : 17.0/15

Right Out: -0.013 ± 0.017 χ^2/NDF : 12.6/18

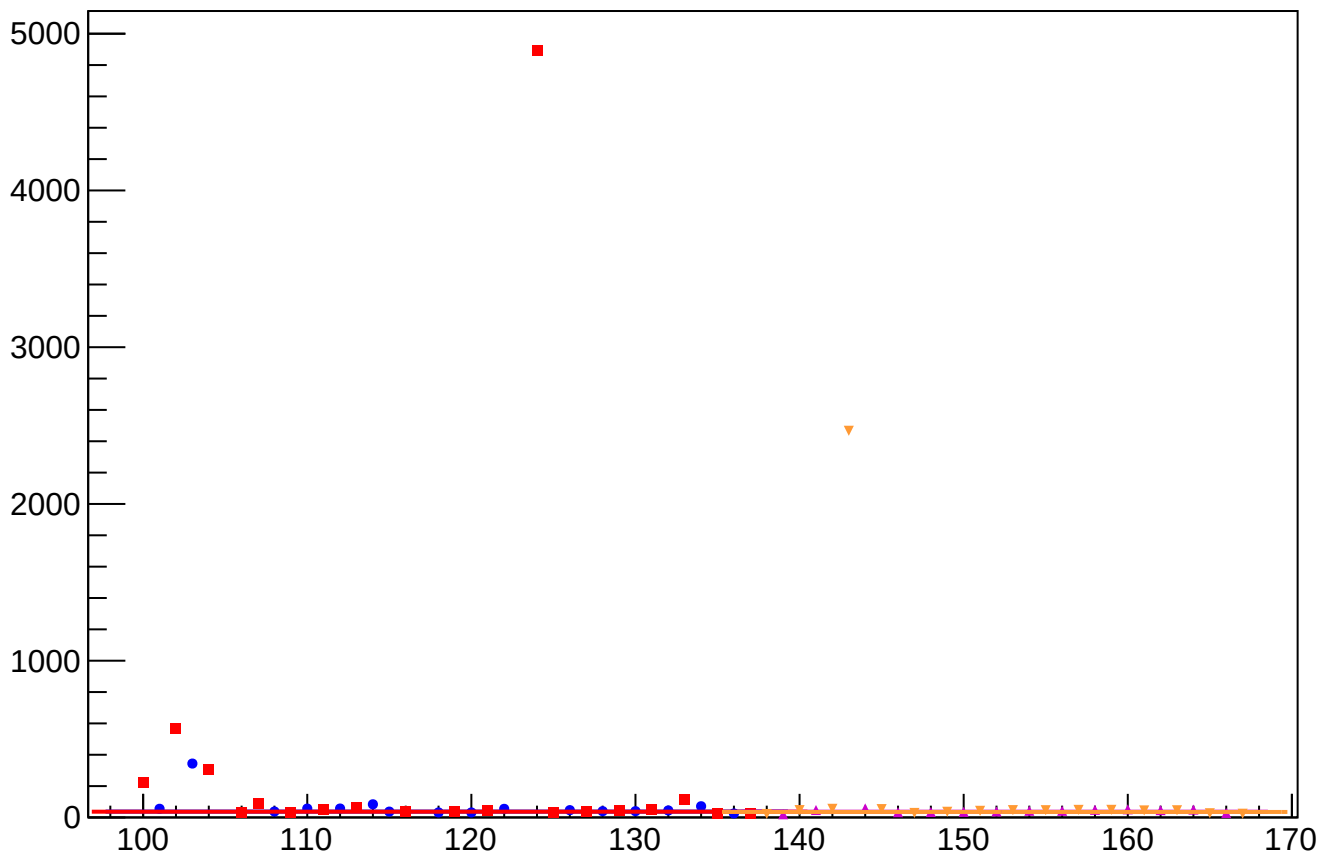
Left In: 0.004 ± 0.012 χ^2/NDF : 9.9/13

+ sign 0.016 ± 0.009 χ^2/NDF : 36.6/31

All: 0.008 ± 0.007 χ^2/NDF : 61.6/64

- sign -0.002 ± 0.010 χ^2/NDF : 23.2/32

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: 35.063 $\pm$ 0.008 χ^2 /NDF: 3480090.1/15

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

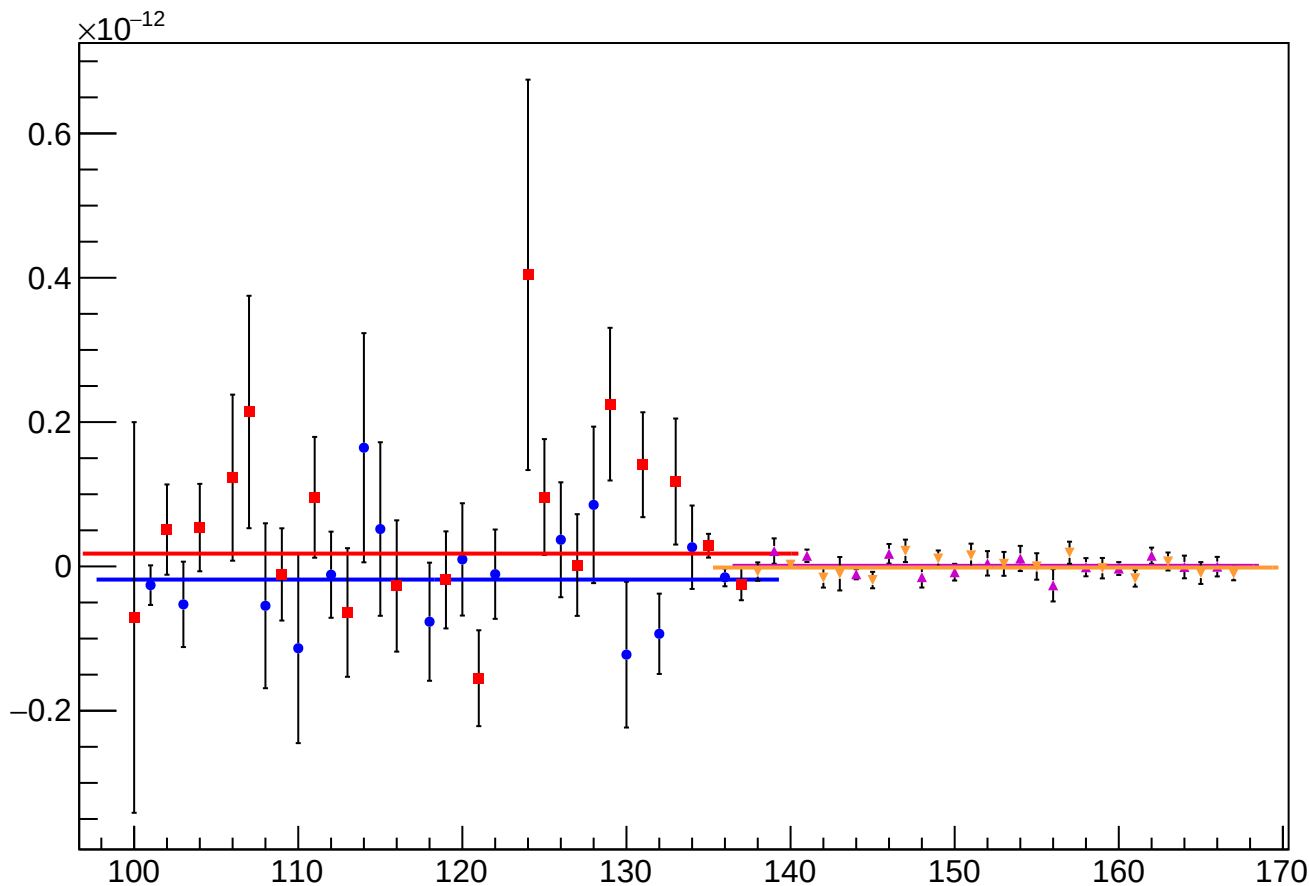
Left In: 36.654 $\pm$ 0.008 χ^2 /NDF: 1572840.7/13

+ sign 35.867 $\pm$ 0.007 χ^2 /NDF: 5493910.3/31

All: 36.261 $\pm$ 0.005 χ^2 /NDF: 10264820.8/64

- sign 36.693 $\pm$ 0.007 χ^2 /NDF: 4763304.2/32

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 : 13.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 27.3/18

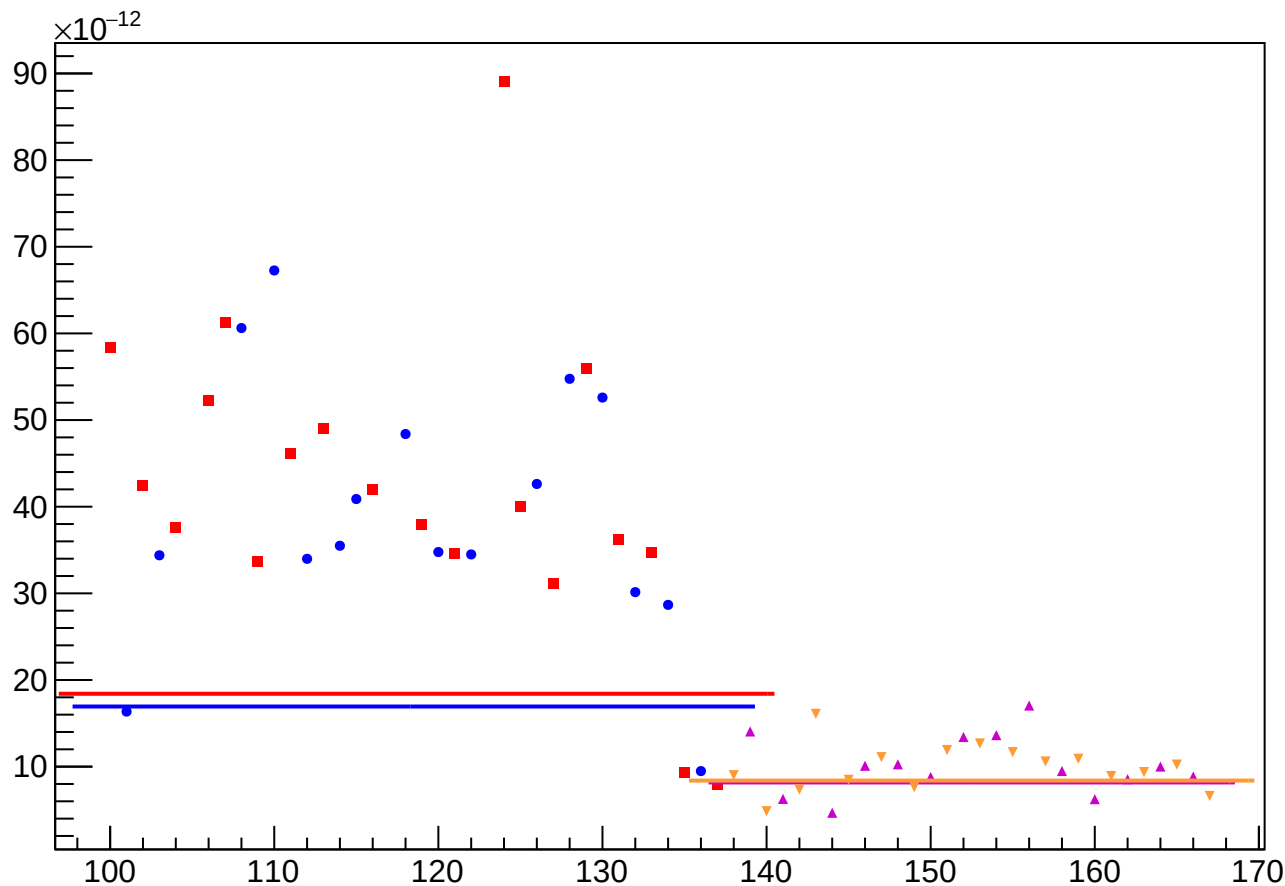
Left In: 0.000+/-0.000 χ^2/NDF : 13.6/13

+ sign -0.000+/-0.000 χ^2/NDF : 24.5/31

All: -0.000+/-0.000 χ^2/NDF : 69.1/64

- sign 0.000+/-0.000 χ^2/NDF : 43.1/32

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:1369910.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3674861.8/18

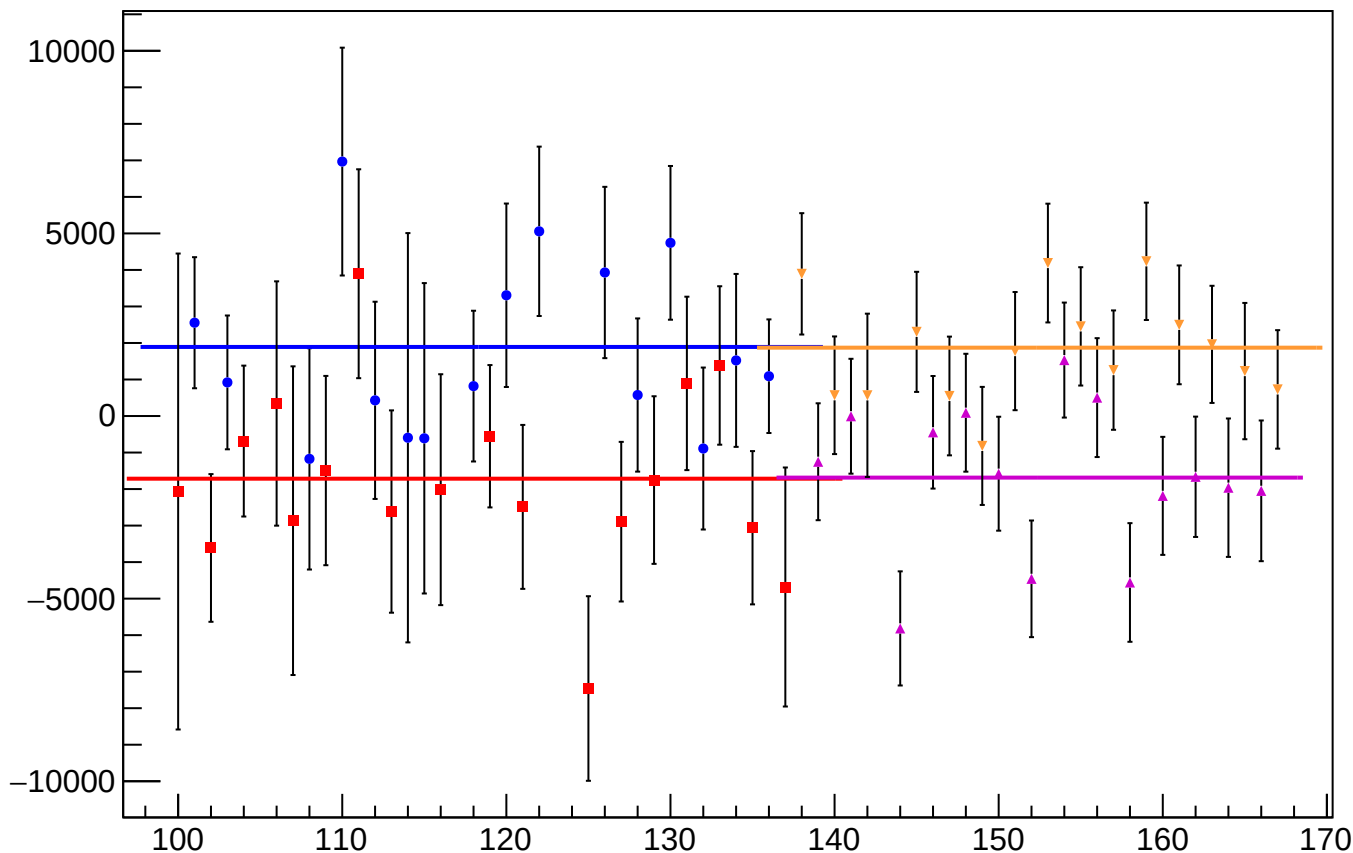
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1756412.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5931528.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12953019.5/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7016944.8/32

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1871.591 $\pm$ 429.699 χ^2 /NDF: 11.2/14

Right Out: -1715.909 $\pm$ 589.518 χ^2 /NDF: 16.0/17

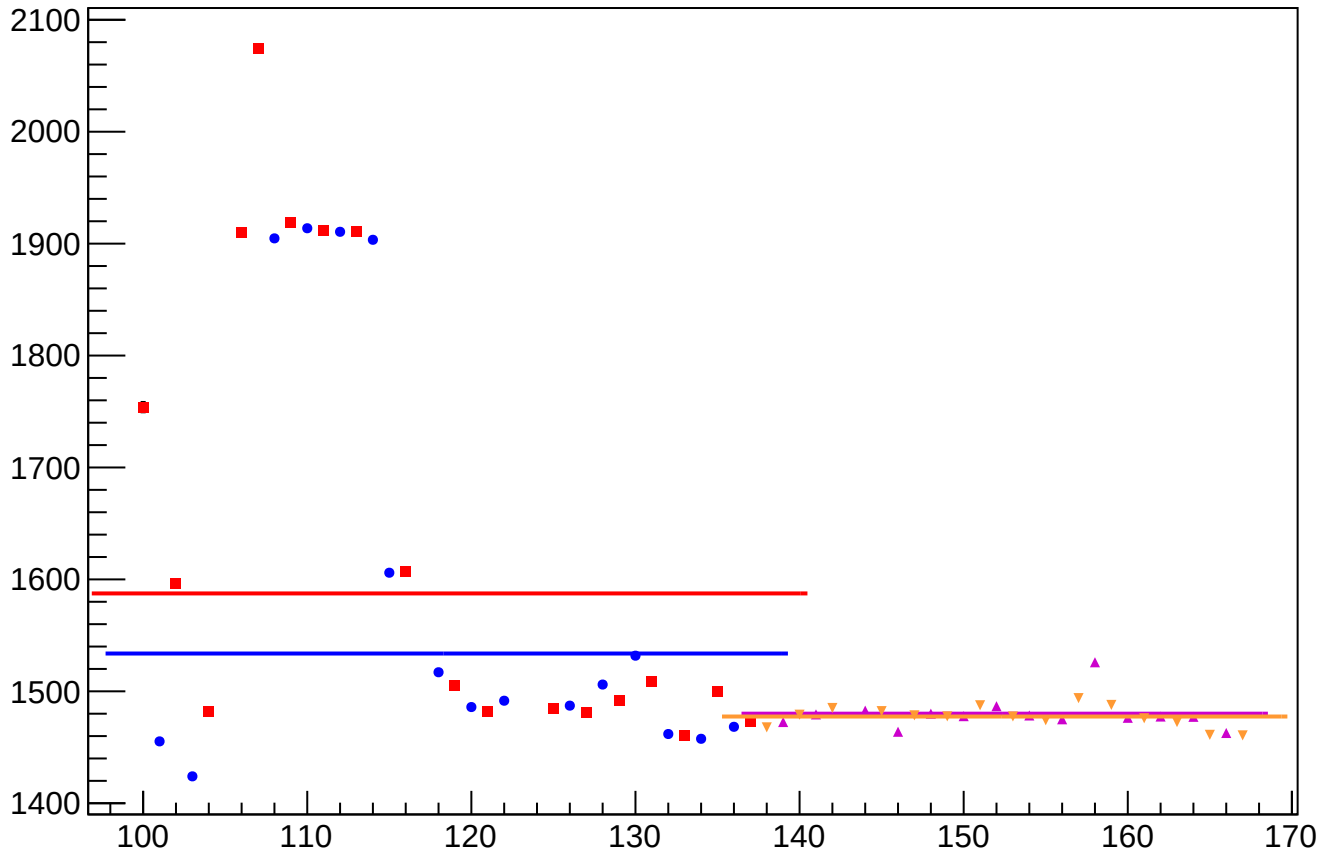
Left In: -1686.456 $\pm$ 435.548 χ^2 /NDF: 22.3/13

+ sign 1878.754 $\pm$ 343.610 χ^2 /NDF: 23.4/30

All: 125.464 $\pm$ 245.303 χ^2 /NDF: 114.8/62

- sign -1696.856 $\pm$ 350.309 χ^2 /NDF: 38.3/31

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF : 129271.6/15

Left Out: 1477.482+/-0.304 χ^2/NDF : 872.8/14

Right Out: 1587.461+/-0.417 χ^2/NDF : 171988.2/17

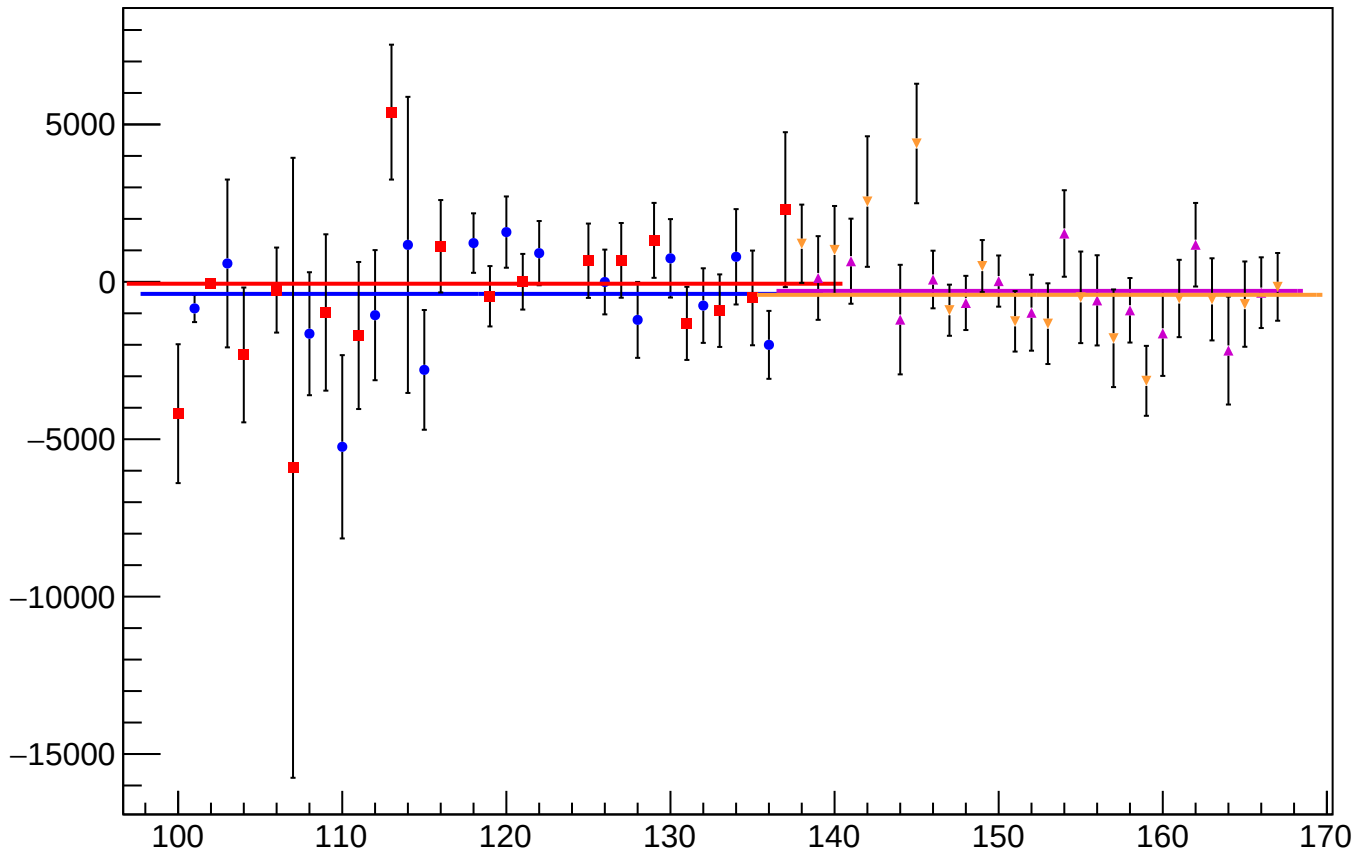
Left In: 1480.023+/-0.308 χ^2/NDF : 2108.3/13

+ sign 1497.777+/-0.243 χ^2/NDF : 142518.6/30

All: 1507.674+/-0.173 χ^2/NDF : 362970.7/62

- sign 1517.961+/-0.248 χ^2/NDF : 217068.3/31

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787 $\pm$ 272.209 χ^2 /NDF: 18.2/15

Left Out: -412.614 $\pm$ 305.757 χ^2 /NDF:21.0/14

Right Out: -59.970 $\pm$ 127.700 χ^2 /NDF: 17.8/17

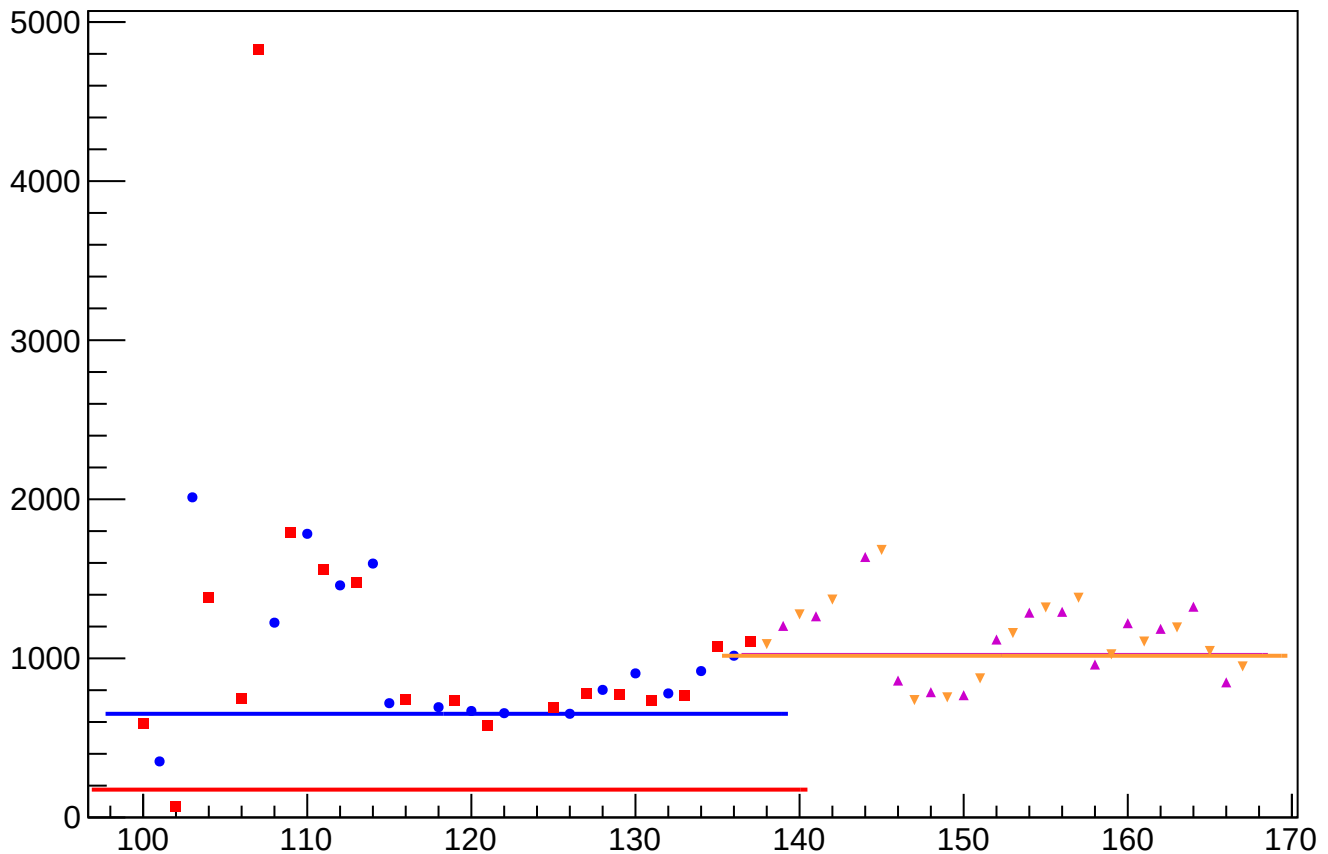
Left In: -287.982 $\pm$ 310.043 χ^2 /NDF:7.3/13

+ sign -395.975 $\pm$ 203.311 χ^2 /NDF: 39.2/30

All: -169.448 $\pm$ 102.106 χ^2 /NDF: 66.4/62

- sign -93.041 $\pm$ 118.077 χ^2 /NDF: 25.5/31

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF : 2762656.2/15

Left Out: 1016.421+/-0.216 χ^2/NDF : 1137969.2/14

Right Out: 174.898+/-0.090 χ^2/NDF : 9761228.2/17

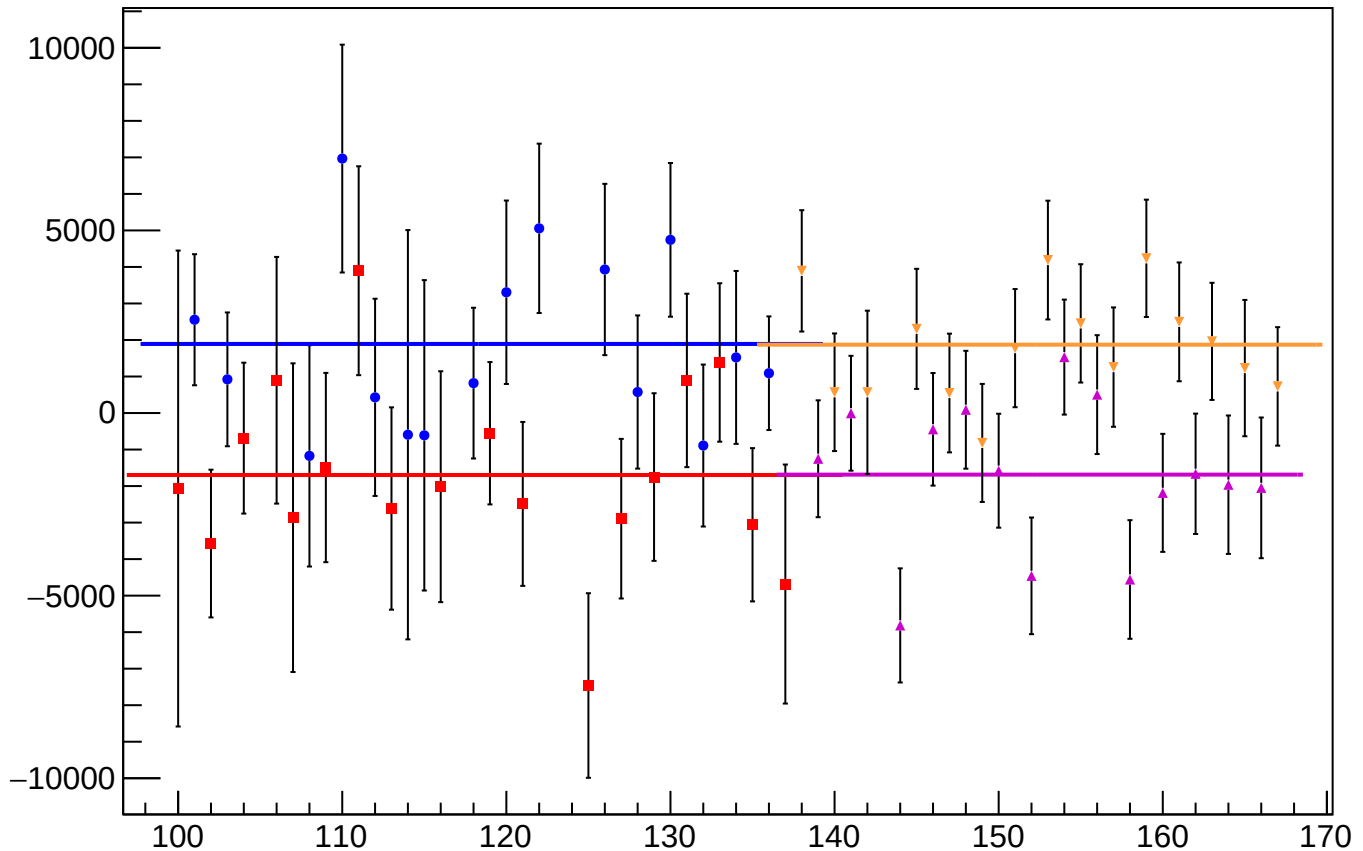
Left In: 1021.593+/-0.219 χ^2/NDF : 1106321.0/13

+ sign 812.863+/-0.144 χ^2/NDF : 5489673.8/30

All: 427.637+/-0.072 χ^2/NDF : 38711520.4/62

- sign 297.703+/-0.083 χ^2/NDF : 23619779.8/31

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 ± 572.244 χ^2/NDF : 12.2/15

Left Out: 1871.577 ± 429.699 χ^2/NDF : 11.2/14

Right Out: -1696.987 ± 589.699 χ^2/NDF : 16.2/17

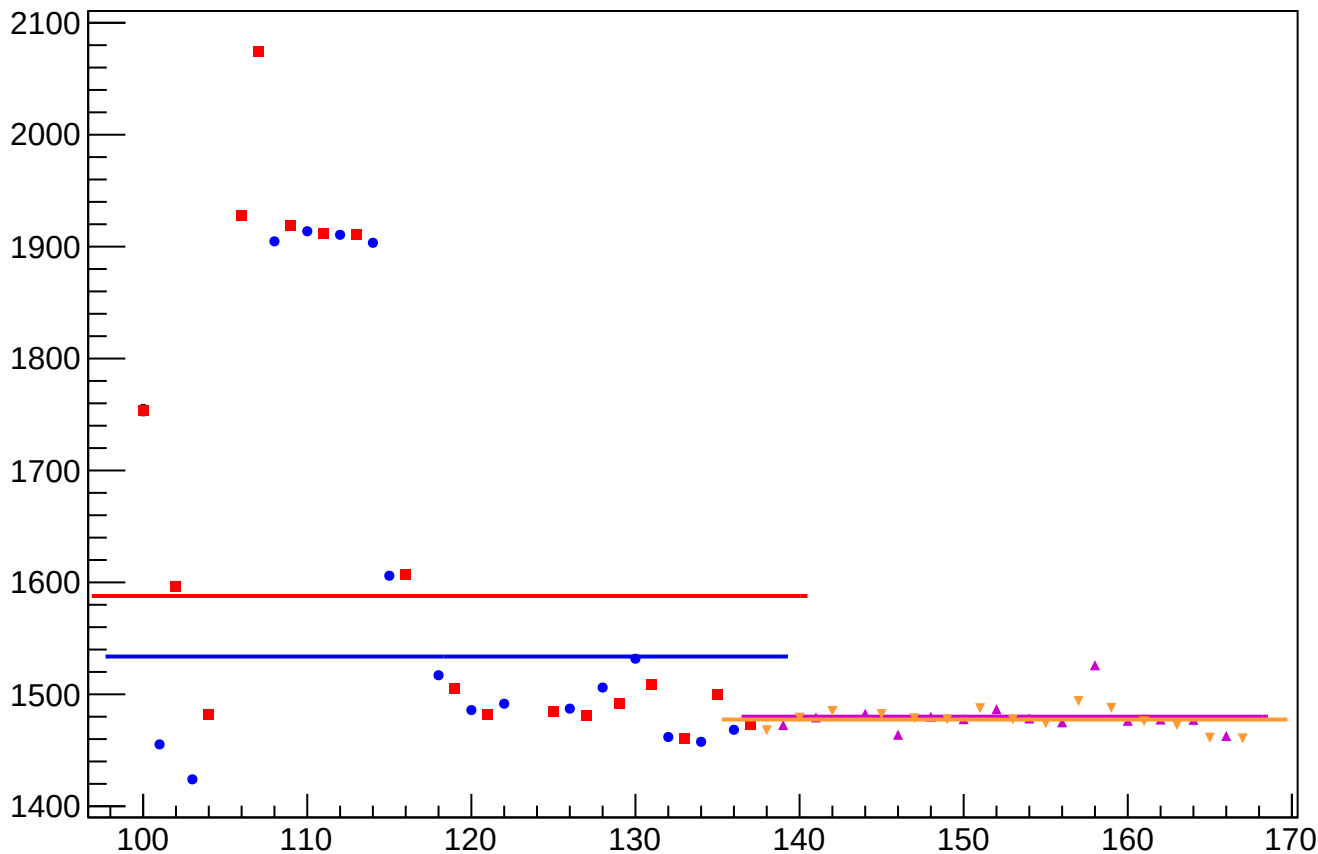
Left In: -1686.569 ± 435.548 χ^2/NDF : 22.3/13

+ sign 1878.782 ± 343.610 χ^2/NDF : 23.4/30

All: 128.913 ± 245.316 χ^2/NDF : 114.8/62

- sign -1690.247 ± 350.347 χ^2/NDF : 38.5/31

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771 $\pm$ 0.405 χ^2 /NDF: 129271.5/15

Left Out: 1477.482 $\pm$ 0.304 χ^2 /NDF: 872.8/14

Right Out: 1587.846 $\pm$ 0.417 χ^2 /NDF: 173766.9/17

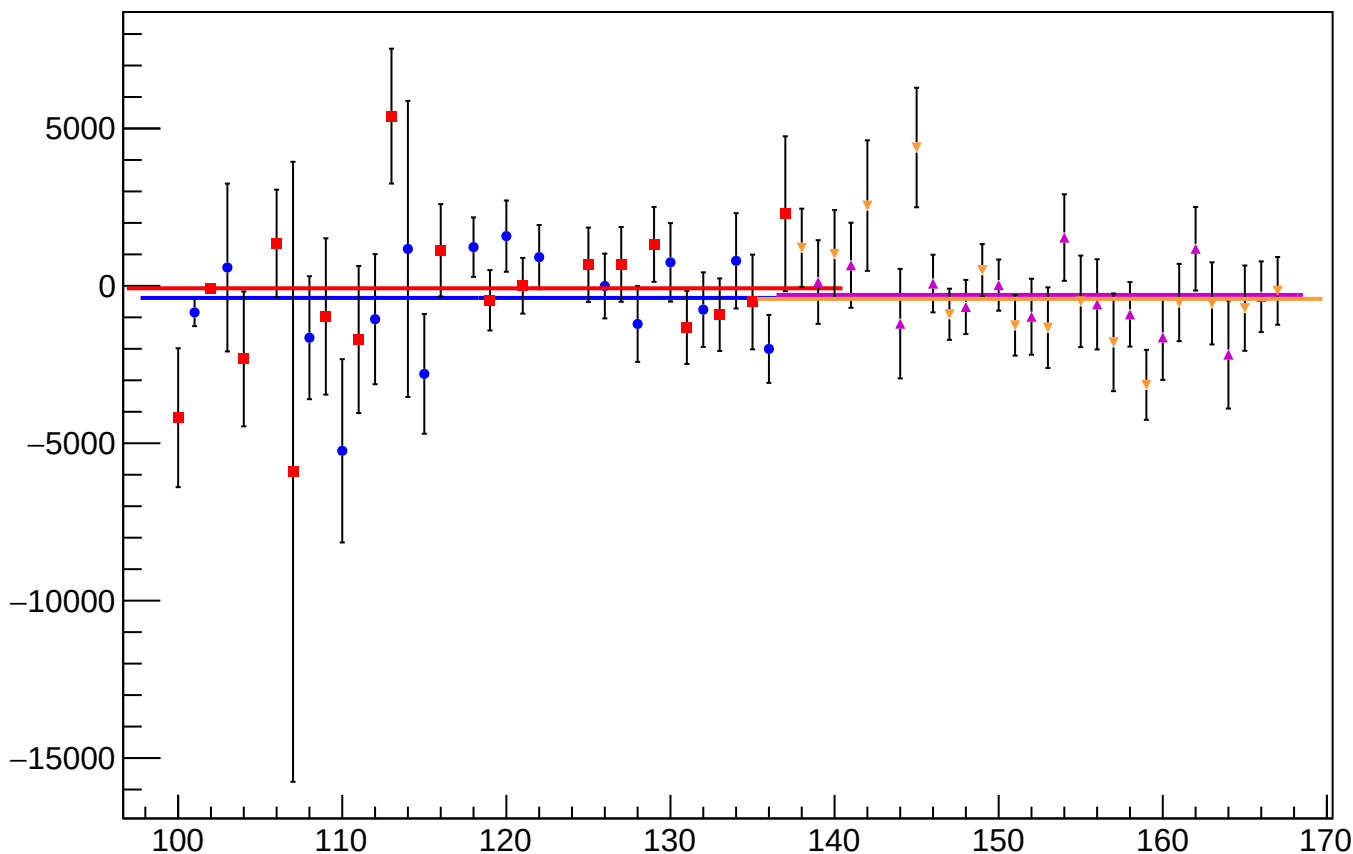
Left In: 1480.023 $\pm$ 0.308 χ^2 /NDF: 2108.3/13

+ sign 1497.777 $\pm$ 0.243 χ^2 /NDF: 142518.6/30

All: 1507.732 $\pm$ 0.173 χ^2 /NDF: 365080.7/62

- sign 1518.081 $\pm$ 0.248 χ^2 /NDF: 219138.2/31

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761 ± 272.209 χ^2/NDF : 18.2/15

Left Out: -412.614 ± 305.757 χ^2/NDF : 21.0/14

Right Out: -76.754 ± 138.137 χ^2/NDF : 18.5/17

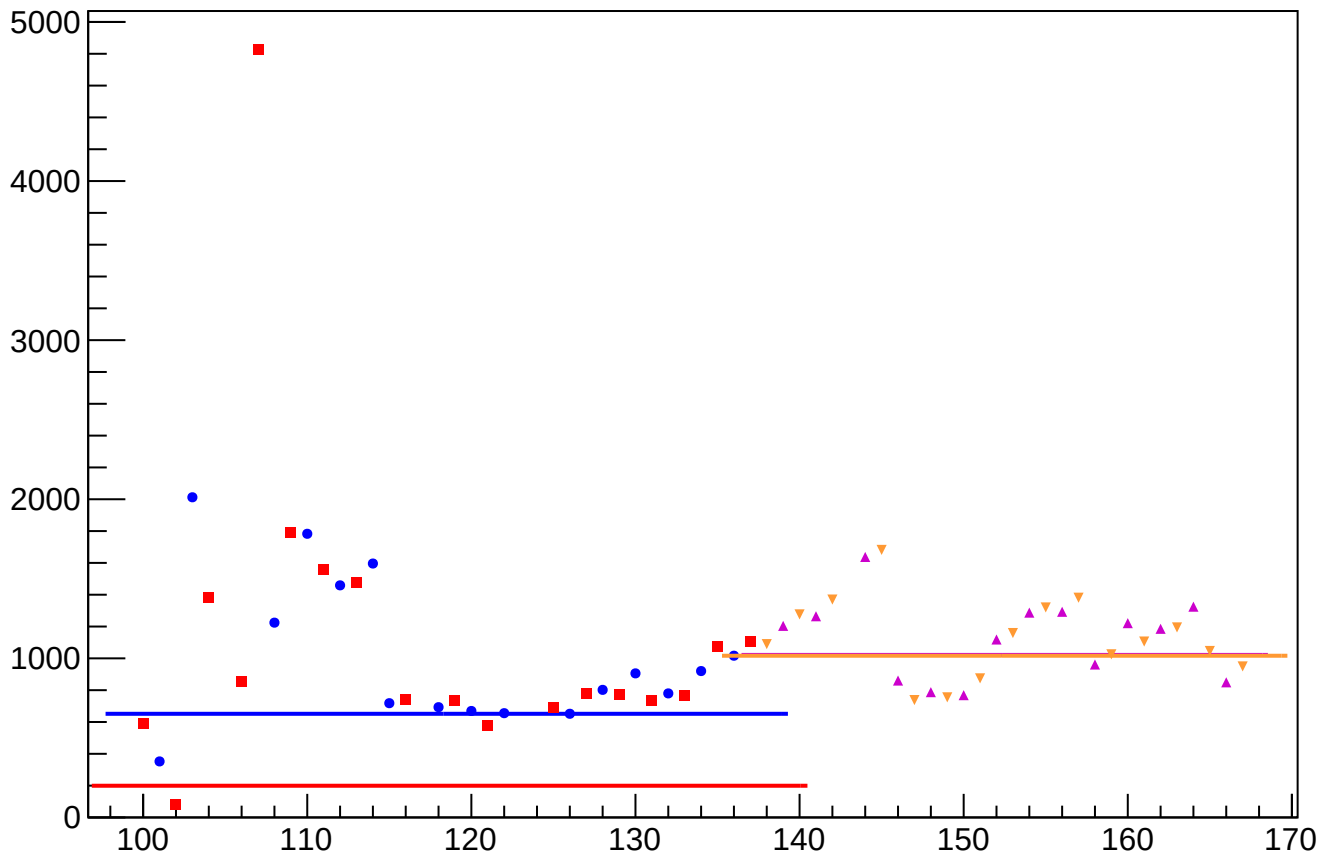
Left In: -288.083 ± 310.043 χ^2/NDF : 7.3/13

+ sign -395.960 ± 203.311 χ^2/NDF : 39.2/30

All: -190.785 ± 107.211 χ^2/NDF : 66.8/62

- sign -111.756 ± 126.180 χ^2/NDF : 26.2/31

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF : 1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

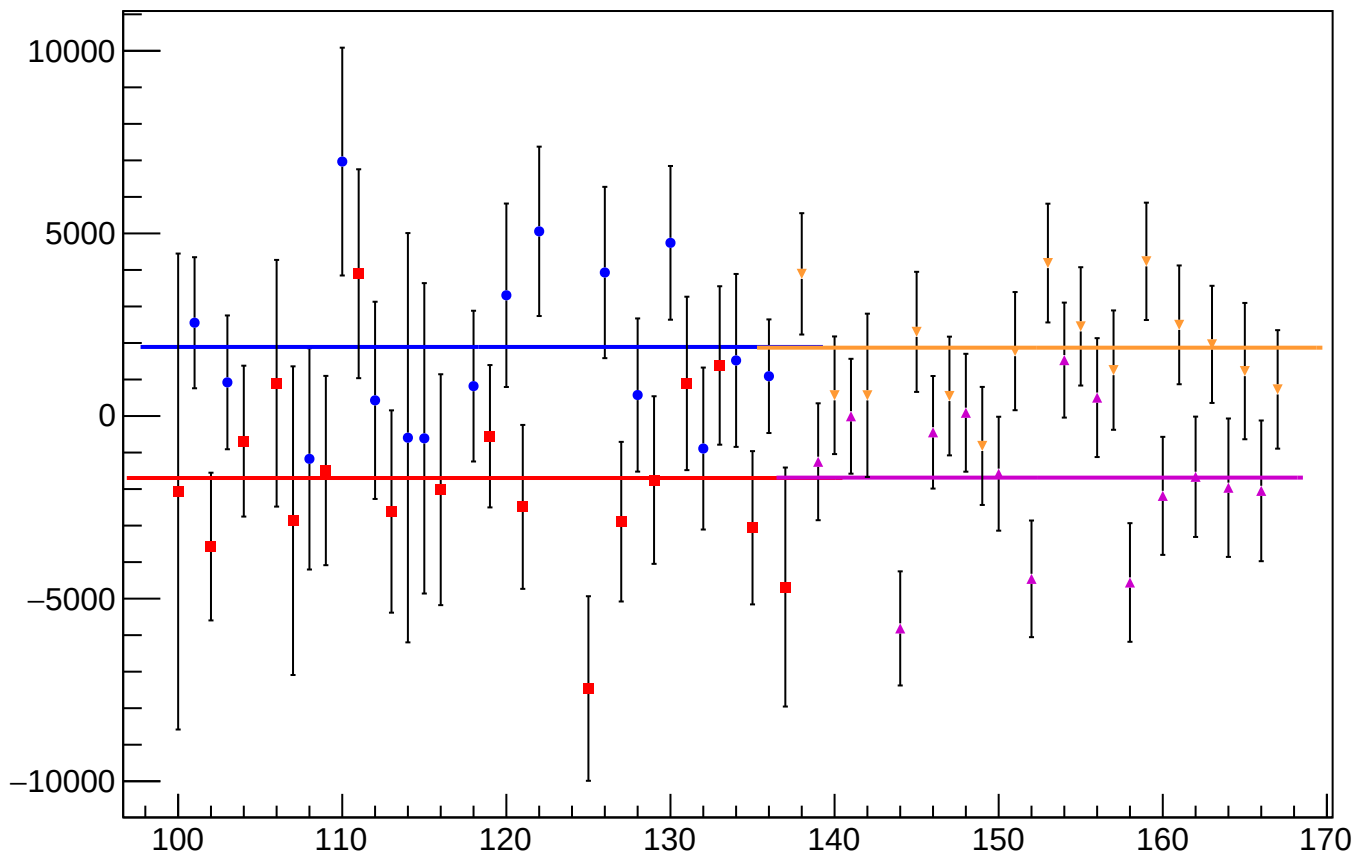
Left In: 1021.592+/-0.219 χ^2/NDF : 1106411.9/13

+ sign 812.862+/-0.144 χ^2/NDF : 5489742.5/30

All: 468.263+/-0.076 χ^2/NDF : 35576469.8/62

- sign 335.532+/-0.089 χ^2/NDF : 22128048.9/31

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 ± 572.244 χ^2/NDF : 12.2/15

Left Out: 1871.577 ± 429.699 χ^2/NDF : 11.2/14

Right Out: -1696.987 ± 589.699 χ^2/NDF : 16.2/17

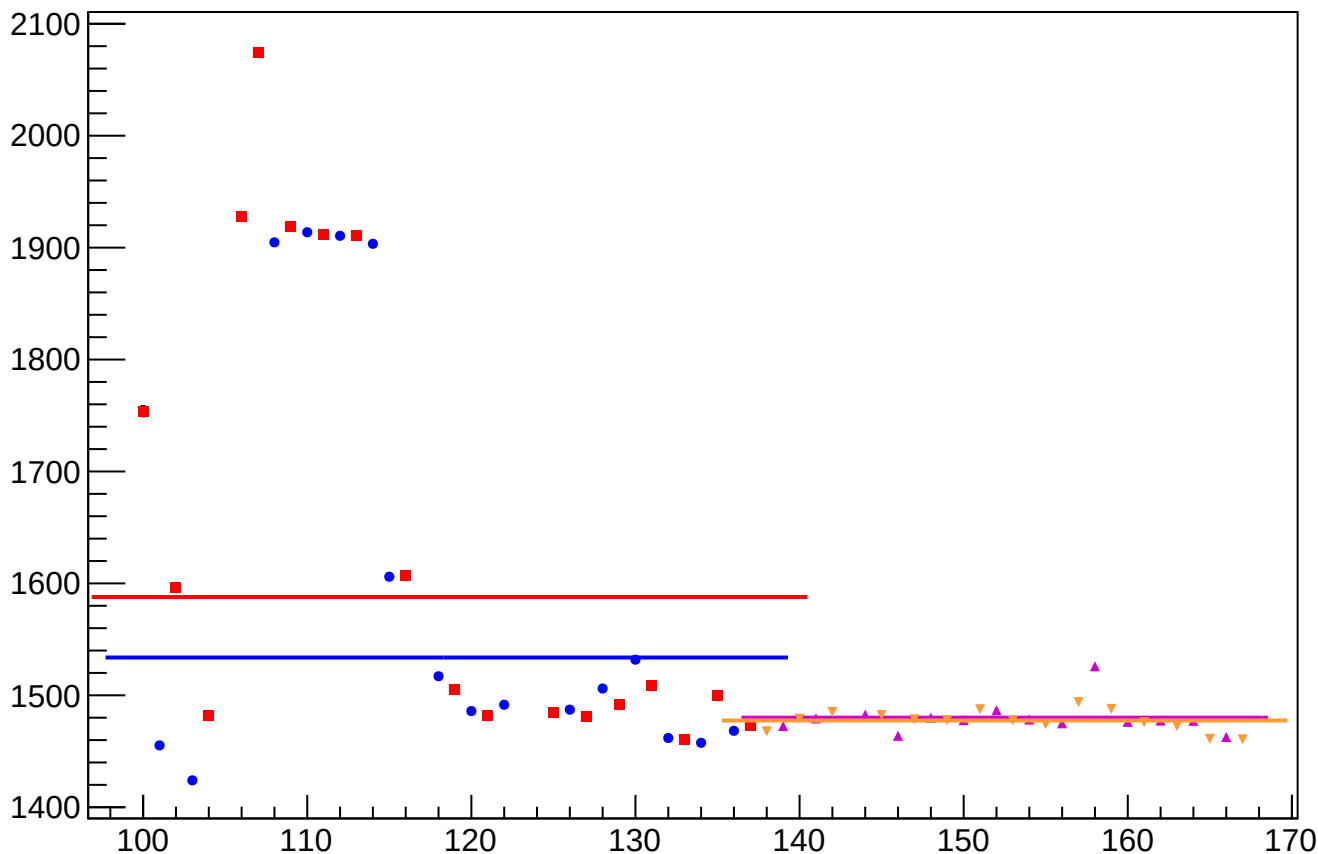
Left In: -1686.569 ± 435.548 χ^2/NDF : 22.3/13

+ sign 1878.782 ± 343.610 χ^2/NDF : 23.4/30

All: 128.913 ± 245.316 χ^2/NDF : 114.8/62

- sign -1690.247 ± 350.347 χ^2/NDF : 38.5/31

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771 $\pm$ 0.405 χ^2 /NDF: 129271.5/15

Left Out: 1477.482 $\pm$ 0.304 χ^2 /NDF: 872.8/14

Right Out: 1587.846 $\pm$ 0.417 χ^2 /NDF: 173766.9/17

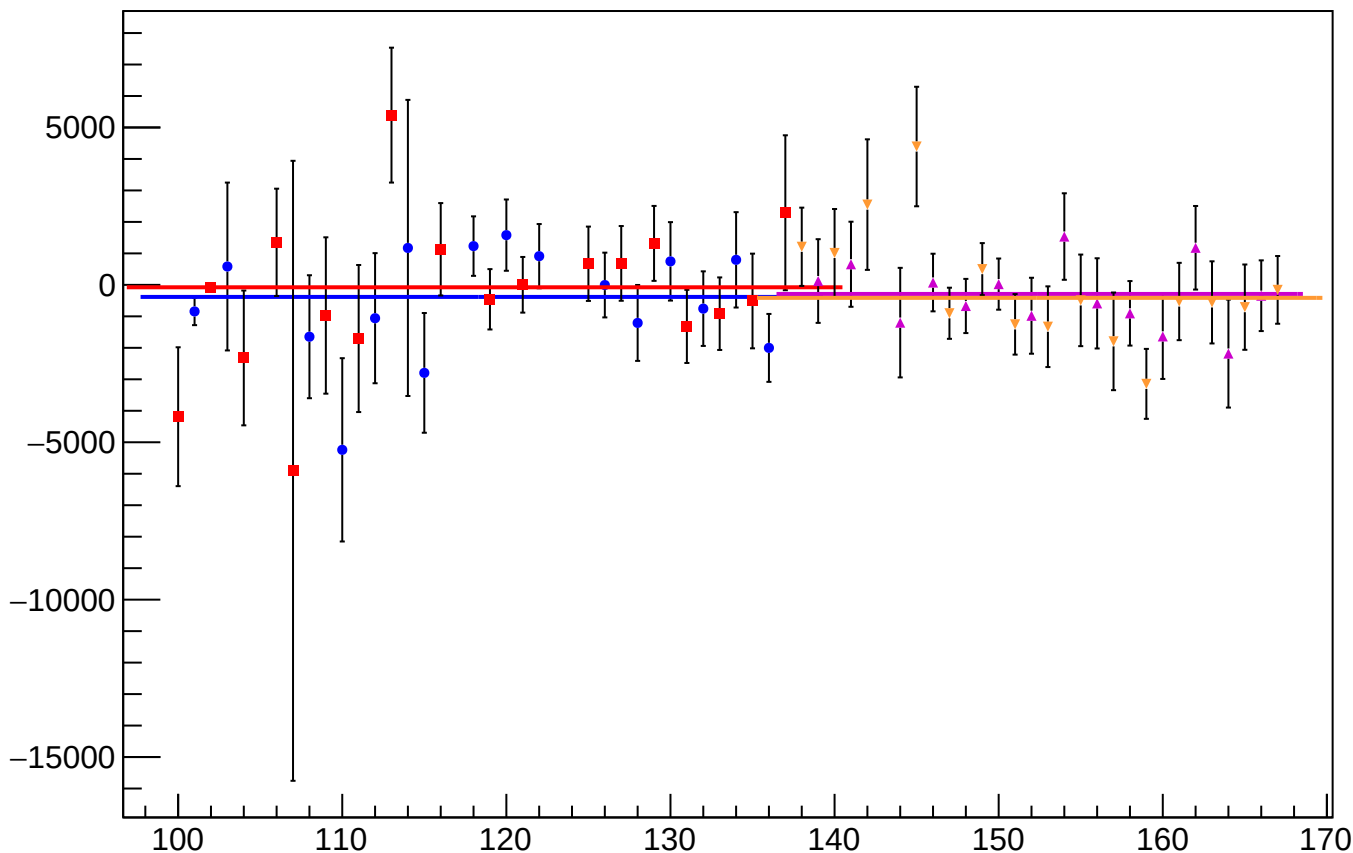
Left In: 1480.023 $\pm$ 0.308 χ^2 /NDF: 2108.3/13

+ sign 1497.777 $\pm$ 0.243 χ^2 /NDF: 142518.6/30

All: 1507.732 $\pm$ 0.173 χ^2 /NDF: 365080.7/62

- sign 1518.081 $\pm$ 0.248 χ^2 /NDF: 219138.2/31

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -382.761 $\pm$ 272.209 χ^2 /NDF: 18.2/15

Left Out: -412.614 $\pm$ 305.757 χ^2 /NDF:21.0/14

Right Out: -76.754 $\pm$ 138.137 χ^2 /NDF: 18.5/17

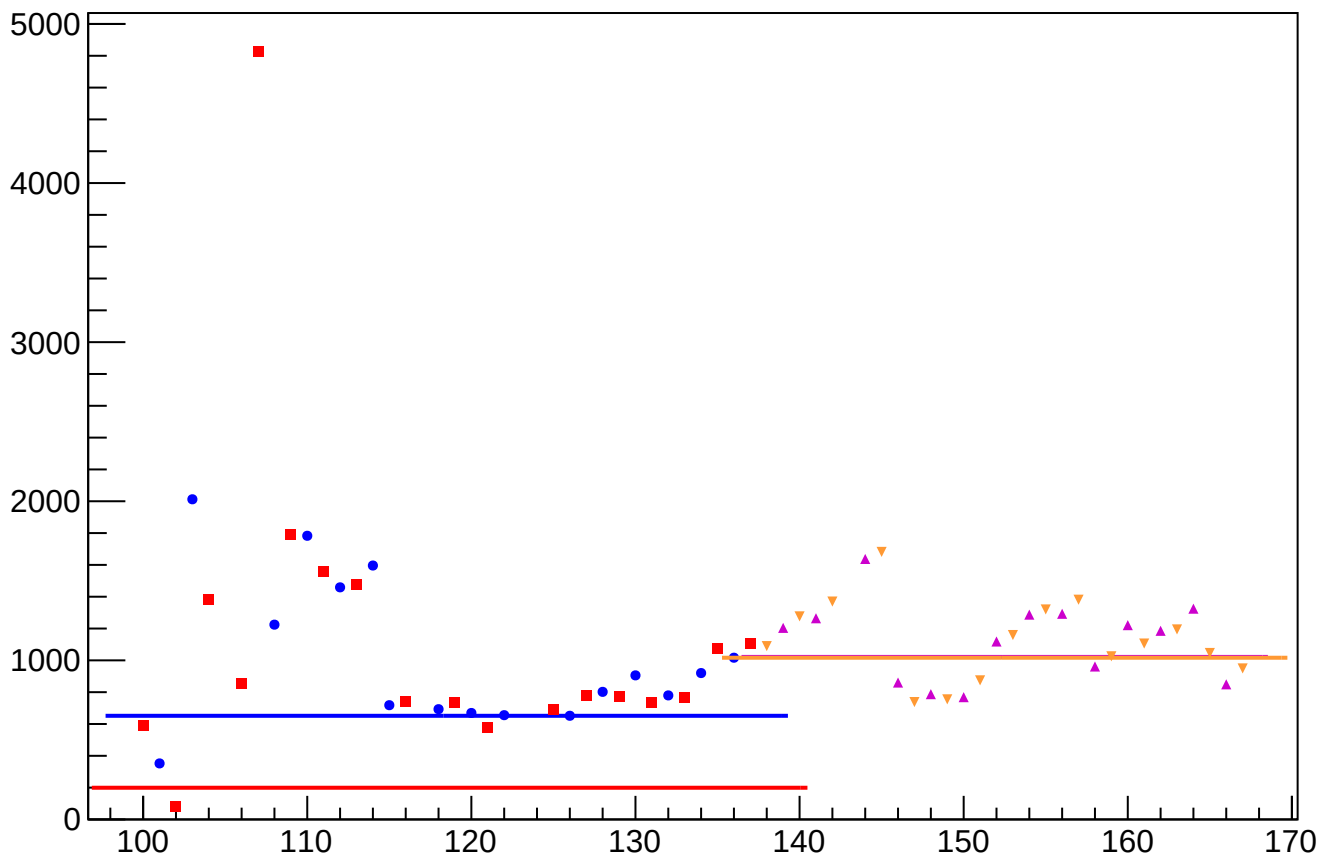
Left In: -288.083 $\pm$ 310.043 χ^2 /NDF:7.3/13

+ sign -395.960 $\pm$ 203.311 χ^2 /NDF: 39.2/30

All: -190.785 $\pm$ 107.211 χ^2 /NDF: 66.8/62

- sign -111.756 $\pm$ 126.180 χ^2 /NDF: 26.2/31

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF : 1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

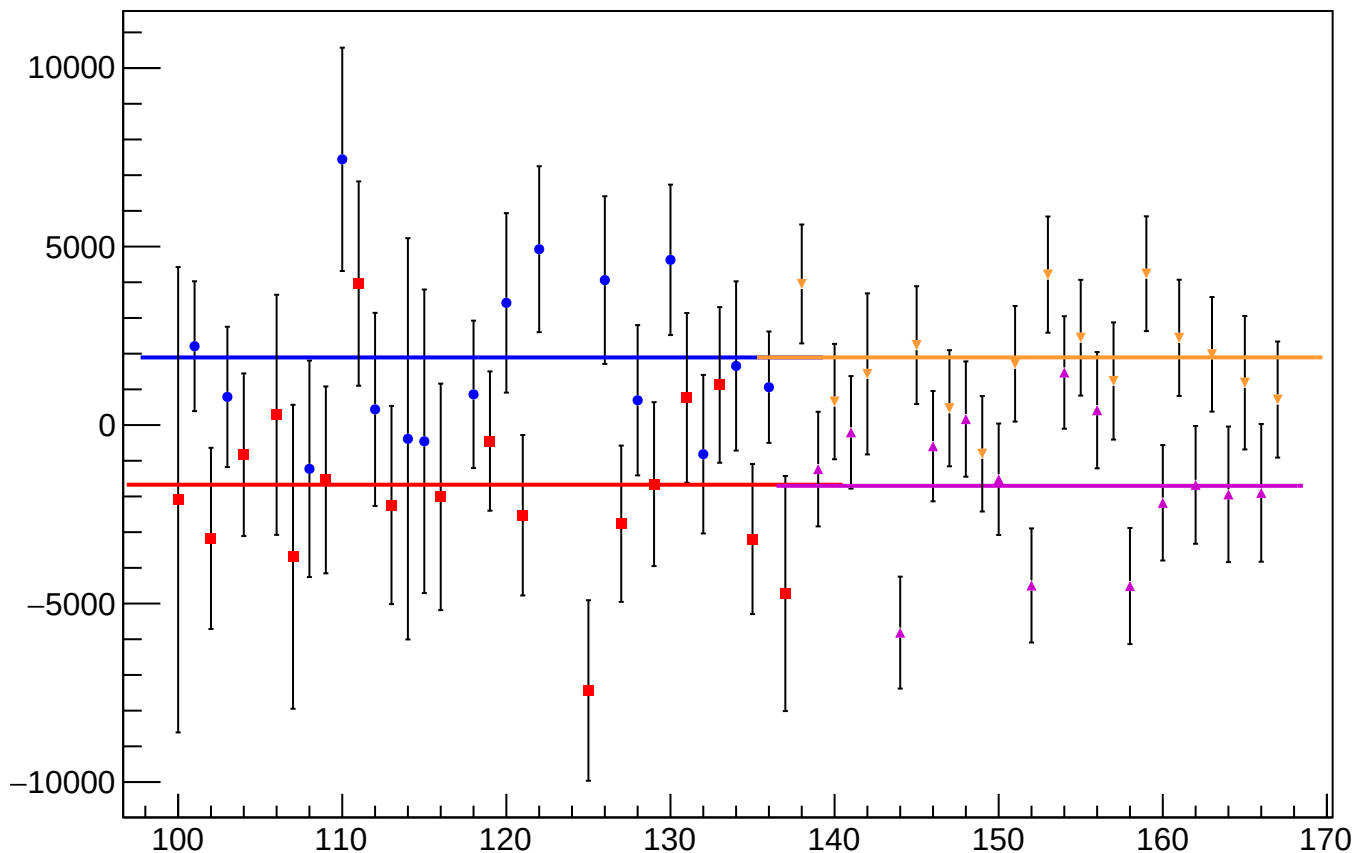
Left In: 1021.592+/-0.219 χ^2/NDF : 1106411.9/13

+ sign 812.862+/-0.144 χ^2/NDF : 5489742.5/30

All: 468.263+/-0.076 χ^2/NDF : 35576469.8/62

- sign 335.532+/-0.089 χ^2/NDF : 22128048.9/31

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171 ± 577.631 $\chi^2/\text{NDF}: 12.3/15$

Left Out: 1895.725 ± 430.496 $\chi^2/\text{NDF}: 11.0/14$

Right Out: -1670.933 ± 604.838 $\chi^2/\text{NDF}: 15.0/17$

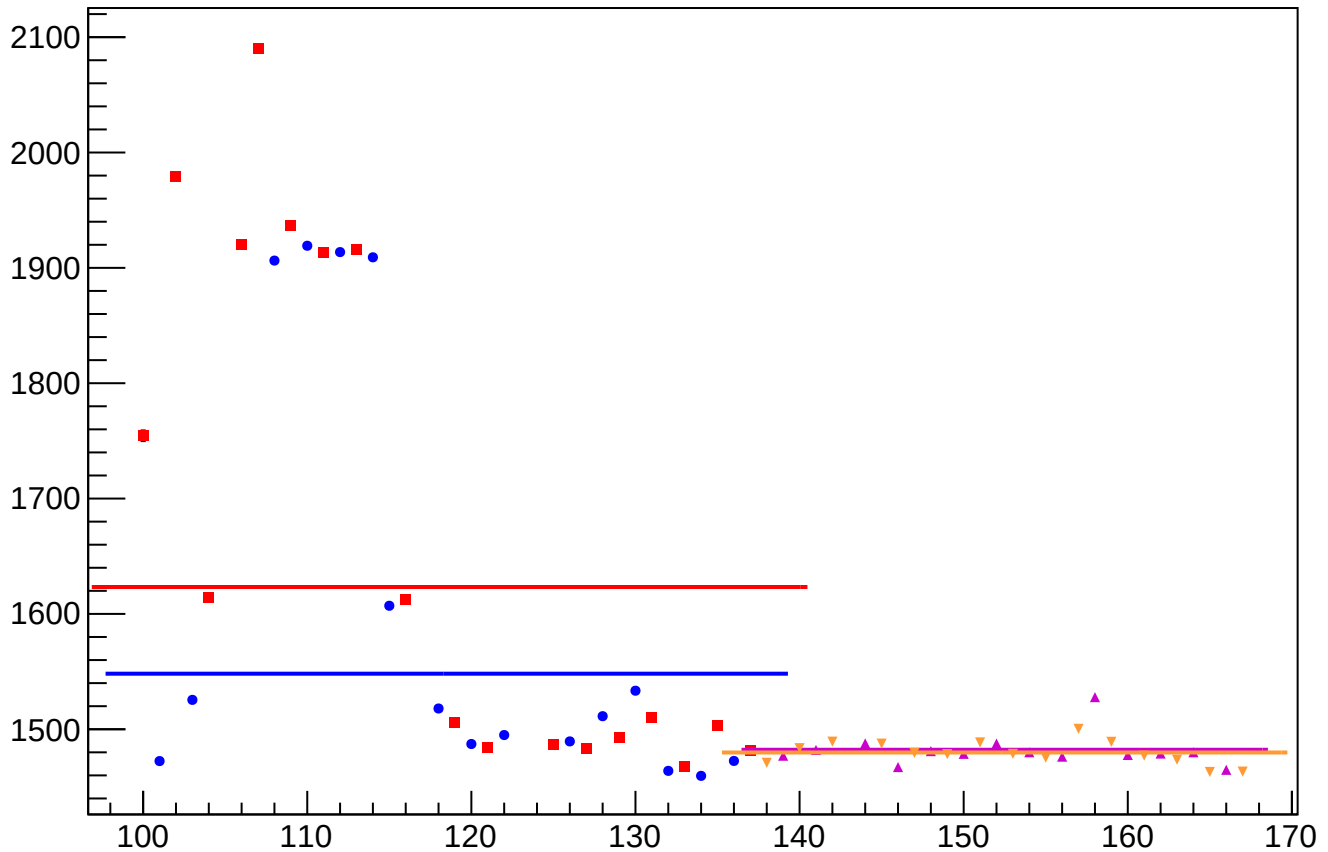
Left In: -1701.641 ± 436.204 $\chi^2/\text{NDF}: 21.6/13$

+ sign 1895.170 ± 345.177 $\chi^2/\text{NDF}: 23.3/30$

All: 146.226 ± 247.068 $\chi^2/\text{NDF}: 112.6/62$

- sign -1691.134 ± 353.795 $\chi^2/\text{NDF}: 36.7/31$

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174 $\pm$ 0.408 χ^2/NDF : 119905.3/15

Left Out: 1479.862 $\pm$ 0.304 χ^2/NDF :1007.6/14

Right Out: 1623.331 $\pm$ 0.428 χ^2/NDF : 211534.0/17

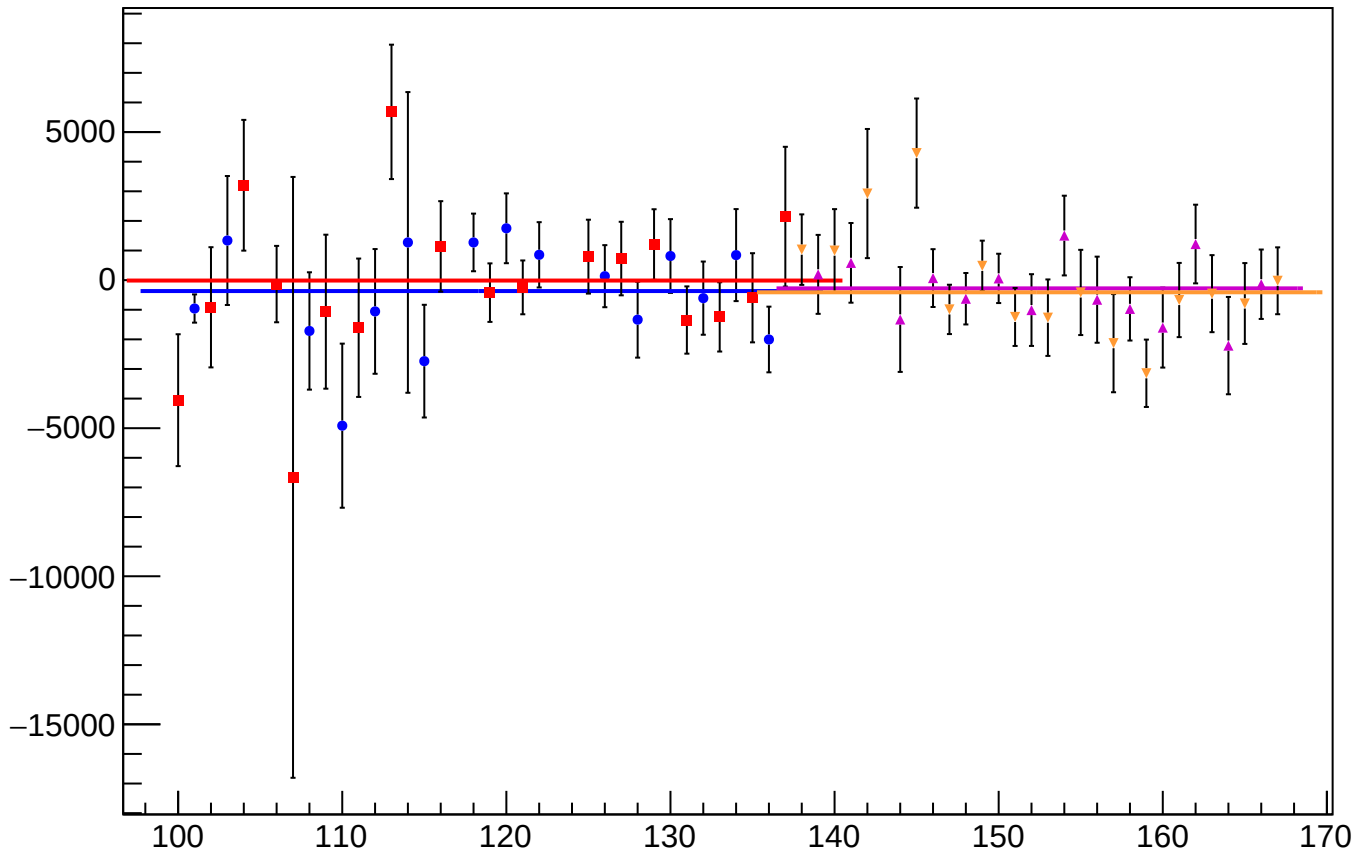
Left In: 1482.232 $\pm$ 0.308 χ^2/NDF :2060.7/13

+ sign 1504.256 $\pm$ 0.244 χ^2/NDF : 138896.3/30

All: 1517.059 $\pm$ 0.175 χ^2/NDF : 429734.3/62

- sign 1530.510 $\pm$ 0.250 χ^2/NDF : 285195.5/31

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708 ± 286.577 χ^2/NDF : 18.9/15

Left Out: -410.382 ± 310.811 χ^2/NDF : 21.1/14

Right Out: -13.729 ± 341.569 χ^2/NDF : 19.1/17

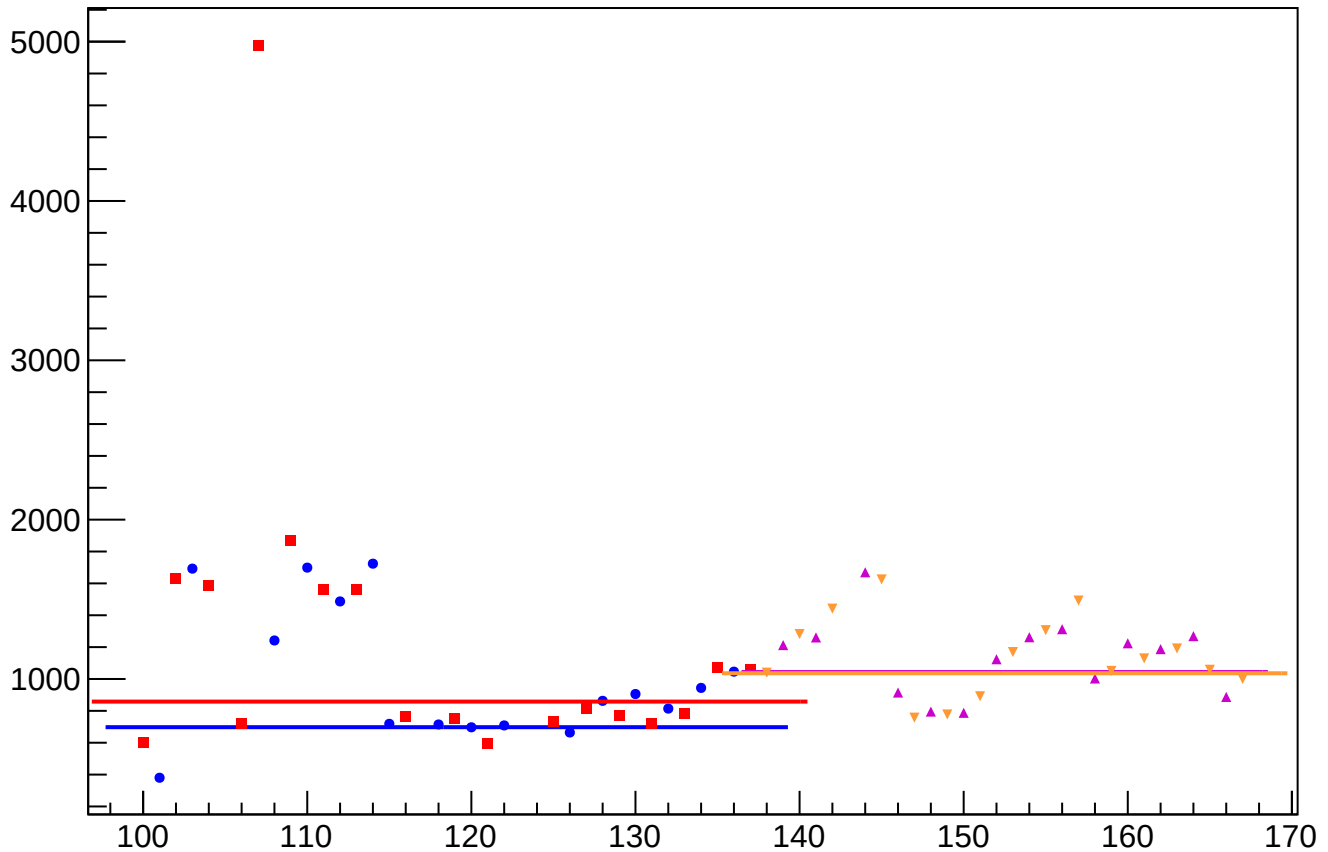
Left In: -278.057 ± 315.514 χ^2/NDF : 7.6/13

+ sign -387.857 ± 210.688 χ^2/NDF : 40.0/30

All: -283.111 ± 155.899 χ^2/NDF : 67.6/62

- sign -156.358 ± 231.766 χ^2/NDF : 27.0/31

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435601.0/15

Left Out: 1035.931+/-0.220 χ^2/NDF : 1072659.7/14

Right Out: 858.095+/-0.242 χ^2/NDF : 1882164.5/17

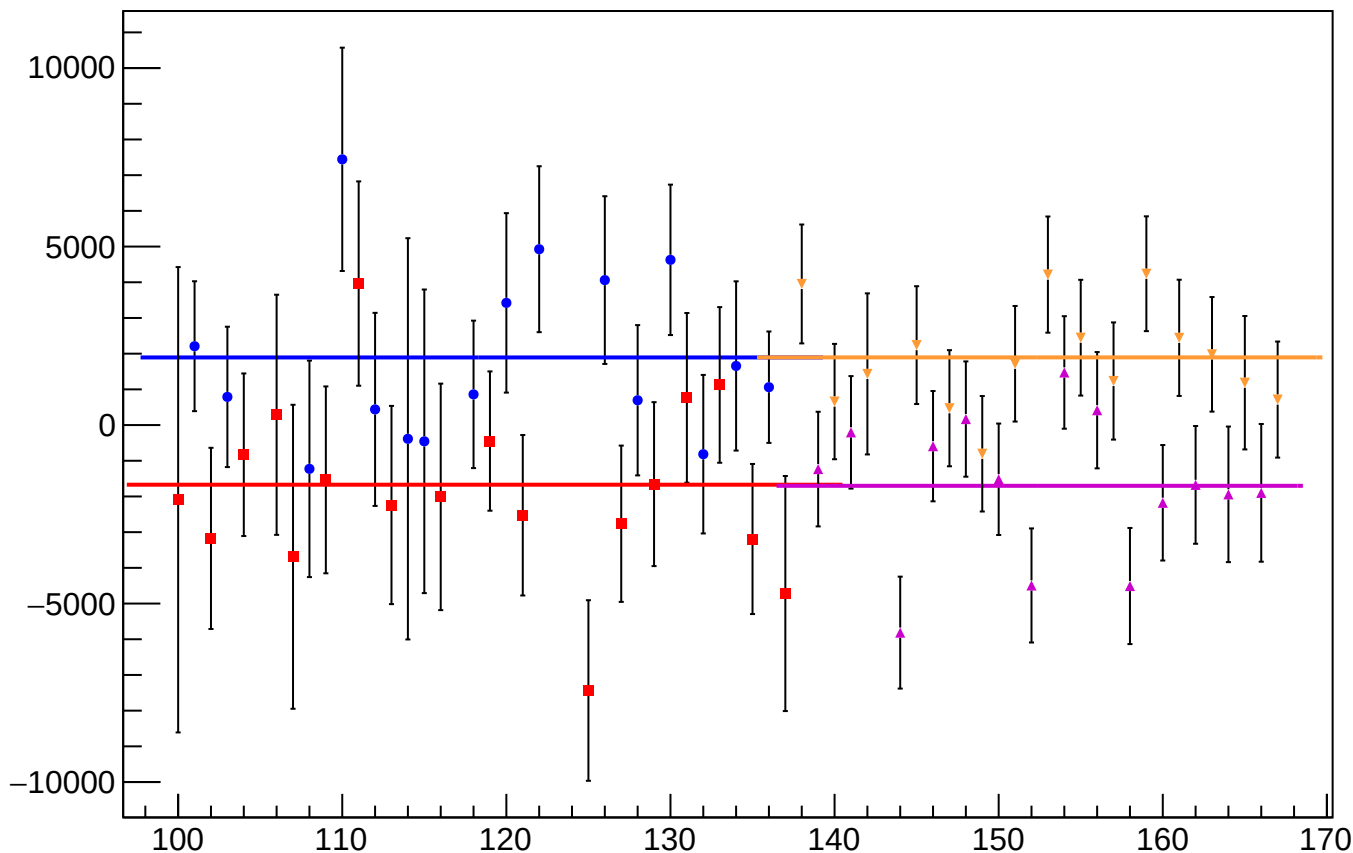
Left In: 1043.595+/-0.223 χ^2/NDF : 985861.0/13

+ sign 853.018+/-0.149 χ^2/NDF : 4789799.1/30

All: 900.604+/-0.110 χ^2/NDF : 8201606.7/62

- sign 958.189+/-0.164 χ^2/NDF : 3186314.7/31

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169 $\pm$ 577.630 χ^2 /NDF: 12.3/15

Left Out: 1895.723 $\pm$ 430.496 χ^2 /NDF: 11.0/14

Right Out: -1670.931 $\pm$ 604.838 χ^2 /NDF: 15.0/17

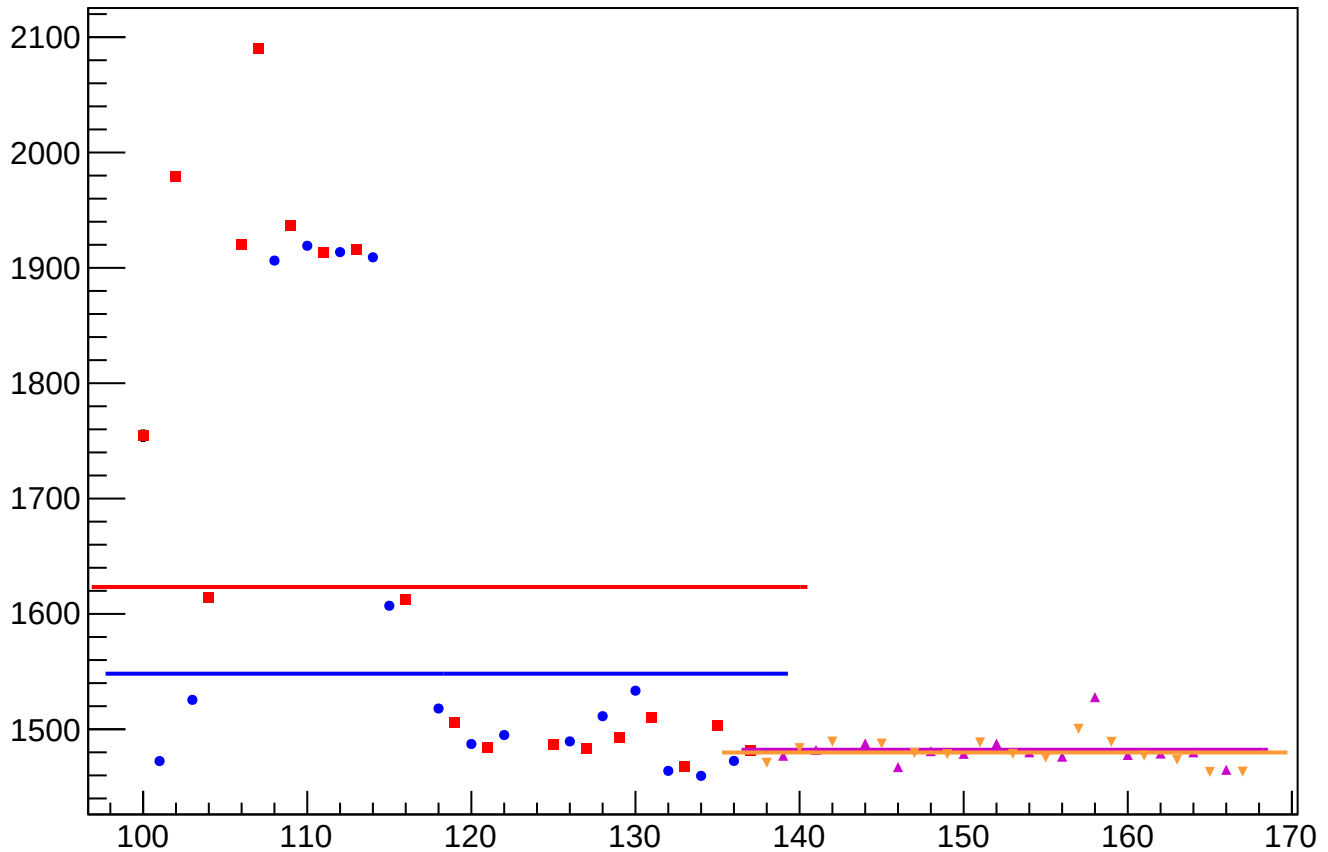
Left In: -1701.642 $\pm$ 436.204 χ^2 /NDF: 21.6/13

+ sign 1895.168 $\pm$ 345.177 χ^2 /NDF: 23.3/30

All: 146.225 $\pm$ 247.068 χ^2 /NDF: 112.6/62

- sign -1691.134 $\pm$ 353.795 χ^2 /NDF: 36.7/31

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF : 119905.4/15

Left Out: 1479.862+/-0.304 χ^2/NDF : 1007.6/14

Right Out: 1623.330+/-0.428 χ^2/NDF : 211533.9/17

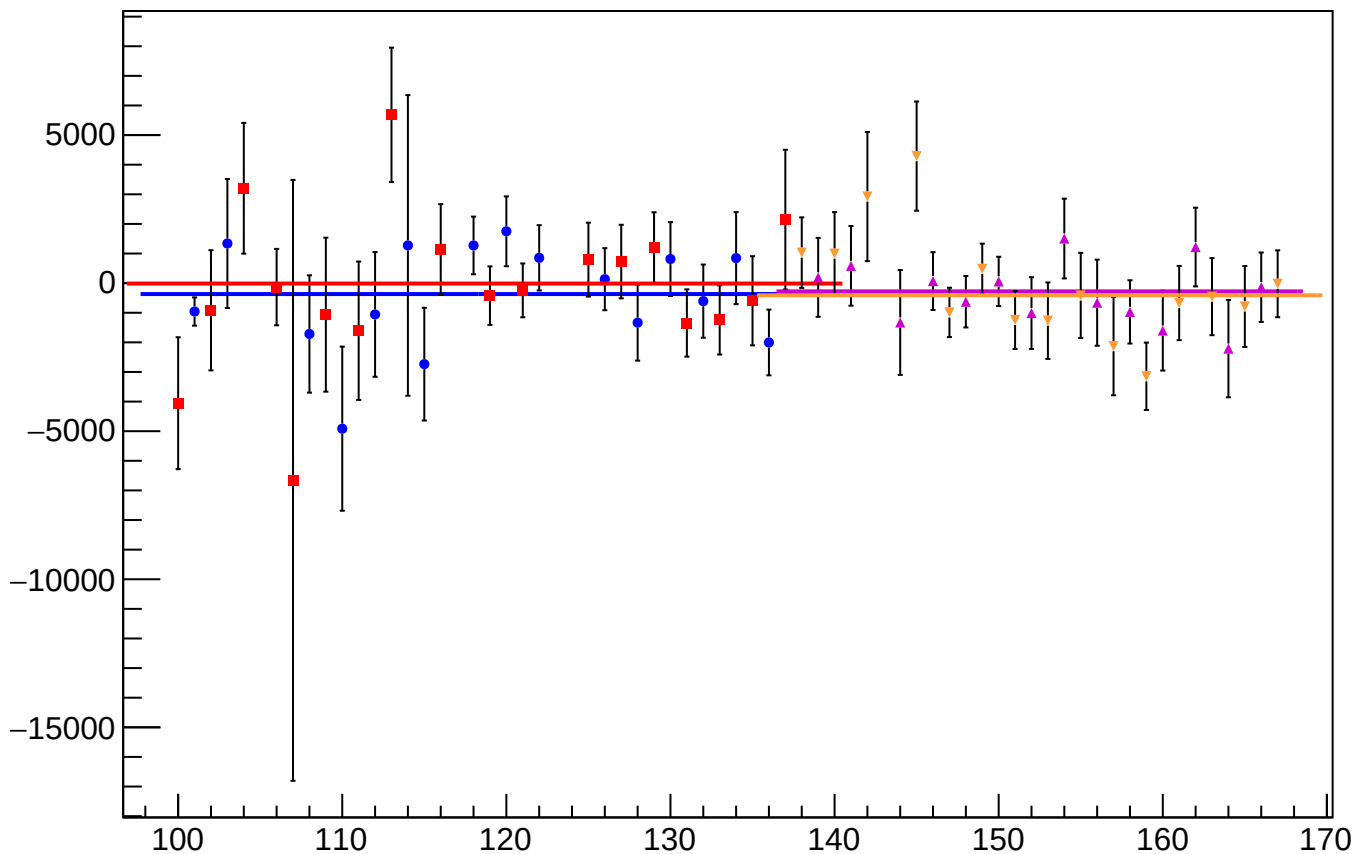
Left In: 1482.232+/-0.308 χ^2/NDF : 2060.7/13

+ sign 1504.256+/-0.244 χ^2/NDF : 138896.2/30

All: 1517.059+/-0.175 χ^2/NDF : 429733.8/62

- sign 1530.510+/-0.250 χ^2/NDF : 285195.1/31

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -368.707 ± 286.576 χ^2/NDF : 18.9/15

Left Out: -410.385 ± 310.812 χ^2/NDF : 21.1/14

Right Out: -13.730 ± 341.568 χ^2/NDF : 19.1/17

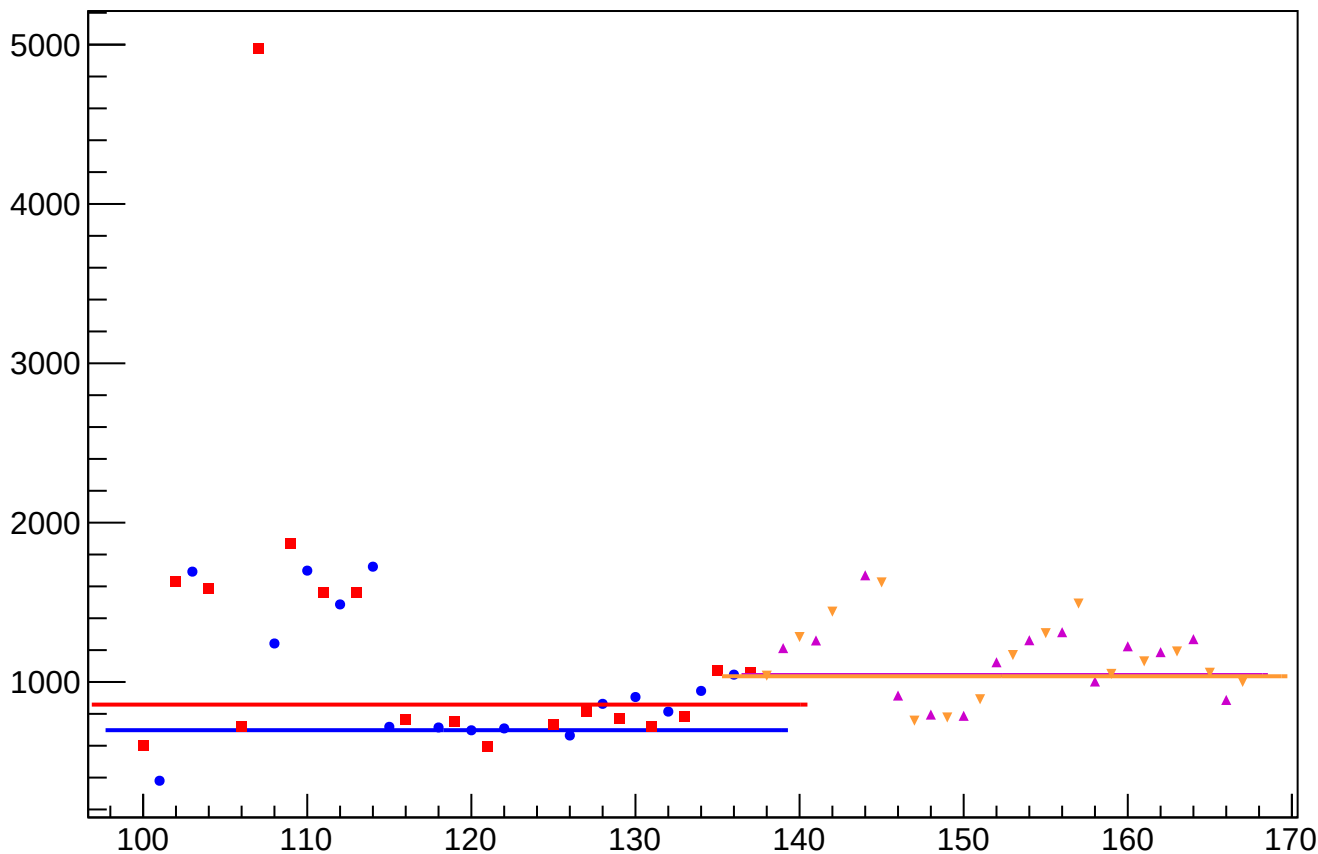
Left In: -278.057 ± 315.514 χ^2/NDF : 7.6/13

+ sign -387.858 ± 210.688 χ^2/NDF : 40.0/30

All: -283.112 ± 155.899 χ^2/NDF : 67.6/62

- sign -156.358 ± 231.766 χ^2/NDF : 27.0/31

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517 $\pm$ 0.203 χ^2 /NDF: 2435593.9/15

Left Out: 1035.933 $\pm$ 0.220 χ^2 /NDF:1072657.5/14

Right Out: 858.094 $\pm$ 0.242 χ^2 /NDF: 1882174.1/17

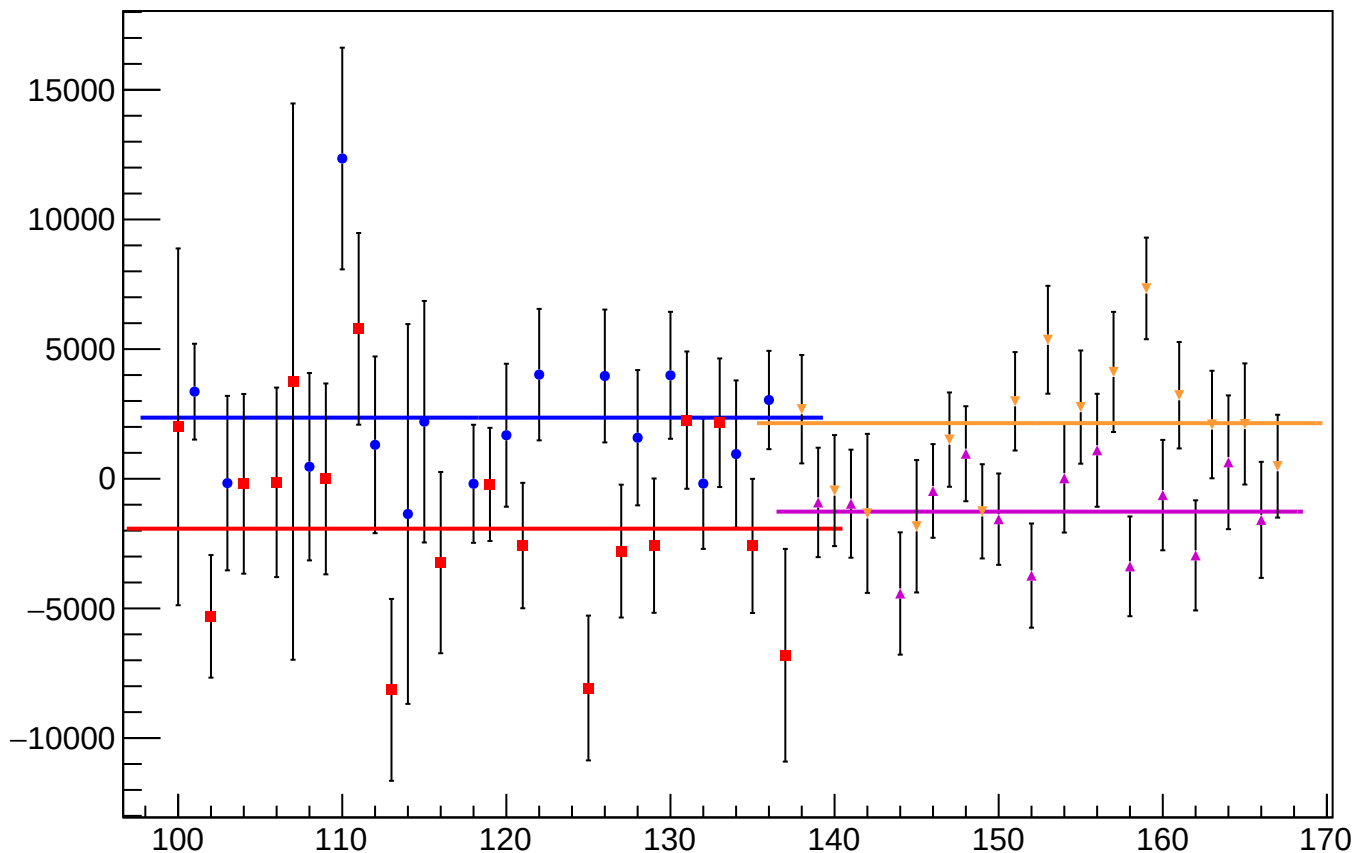
Left In: 1043.596 $\pm$ 0.223 χ^2 /NDF:985858.1/13

+ sign 853.018 $\pm$ 0.149 χ^2 /NDF: 4789800.3/30

All: 900.605 $\pm$ 0.110 χ^2 /NDF: 8201623.2/62

- sign 958.189 $\pm$ 0.164 χ^2 /NDF: 3186332.8/31

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998 $\pm$ 678.944 χ^2 /NDF: 11.0/15

Left Out: 2144.268 $\pm$ 543.580 χ^2 /NDF:20.3/14

Right Out: -1924.824 $\pm$ 706.809 χ^2 /NDF: 23.4/17

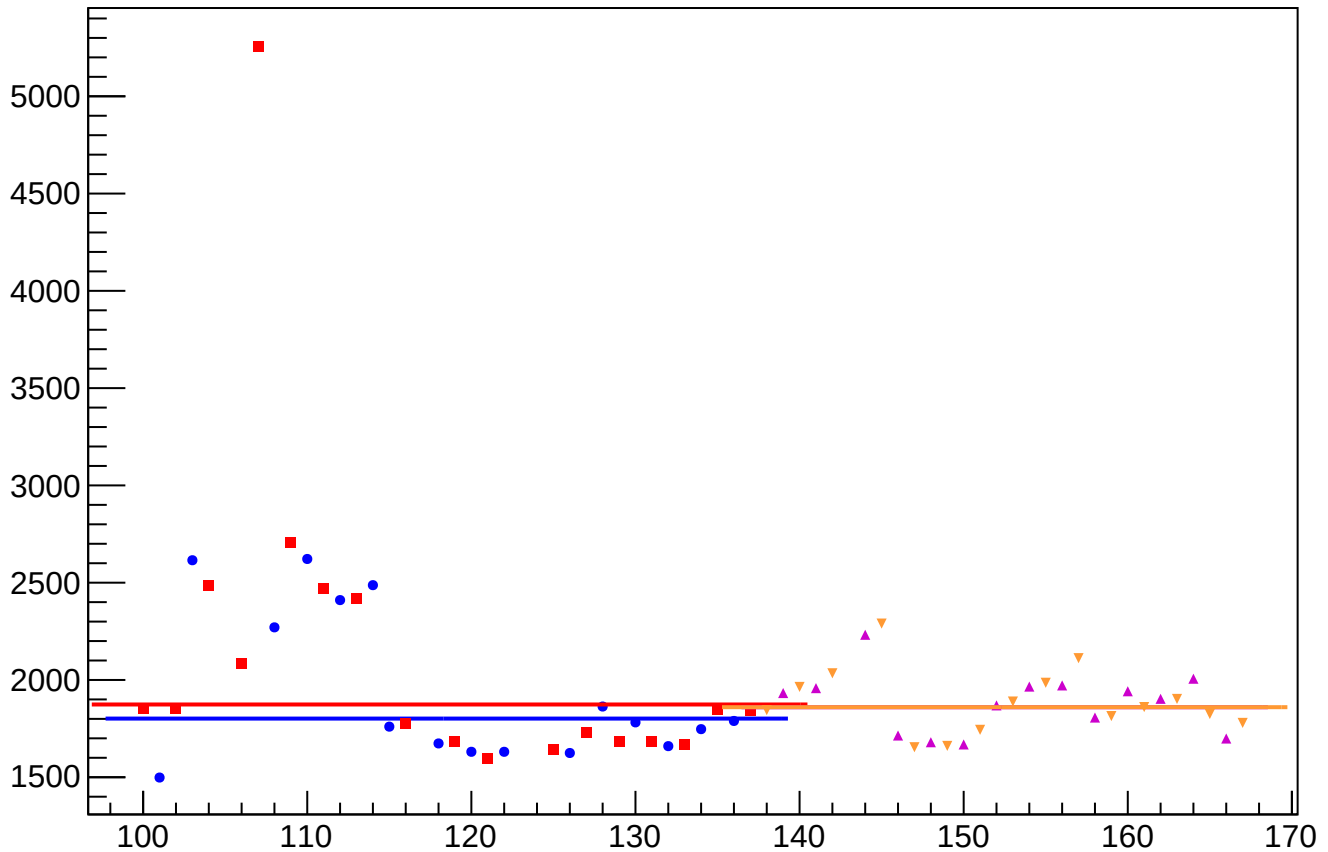
Left In: -1267.623 $\pm$ 549.612 χ^2 /NDF:9.1/13

+ sign 2227.364 $\pm$ 424.335 χ^2 /NDF: 31.4/30

All: 397.650 $\pm$ 303.367 χ^2 /NDF: 102.5/62

- sign -1515.265 $\pm$ 433.876 χ^2 /NDF: 33.1/31

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF : 400702.5/15

Left Out: 1860.075+/-0.384 χ^2/NDF : 161394.7/14

Right Out: 1873.976+/-0.500 χ^2/NDF : 569909.0/17

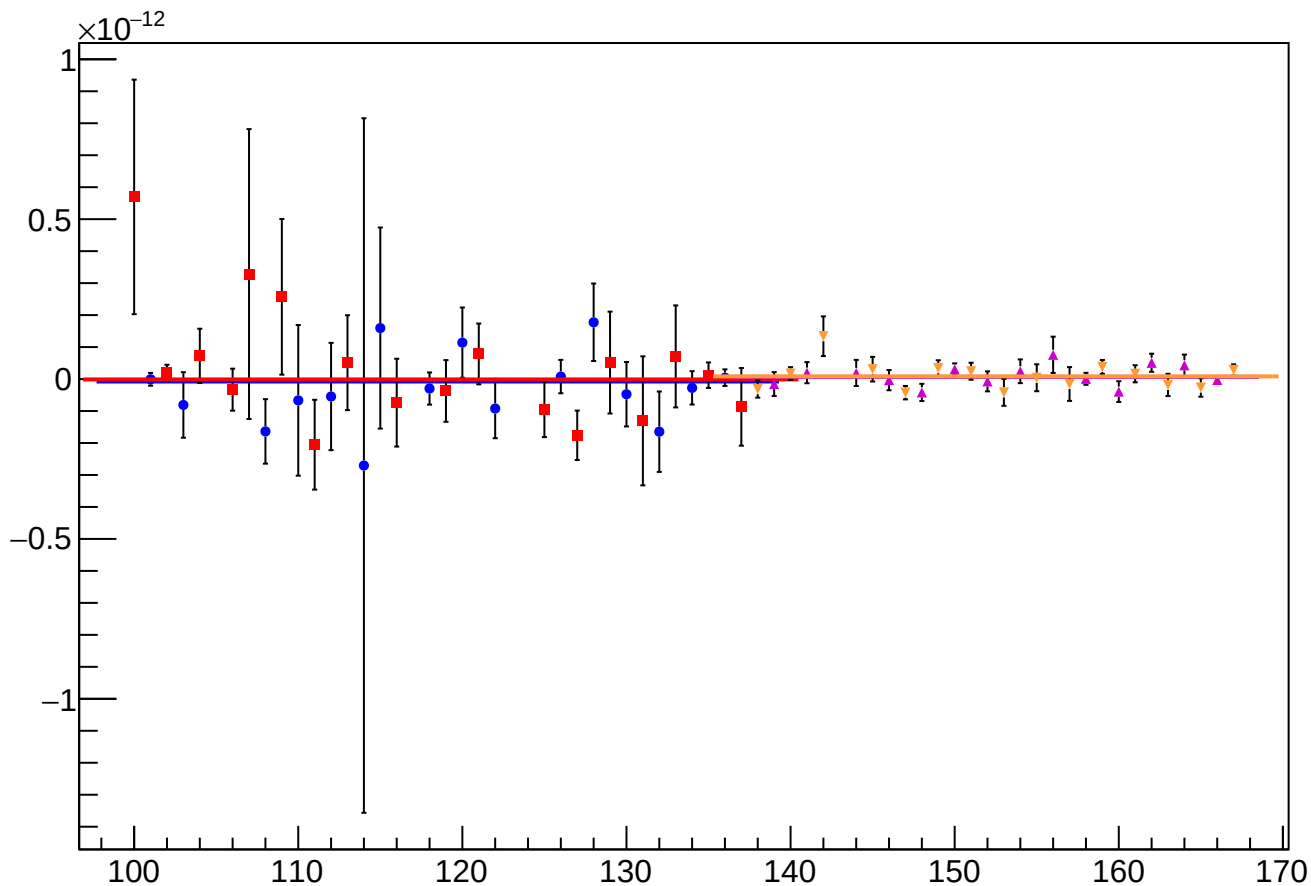
Left In: 1859.767+/-0.389 χ^2/NDF : 145125.1/13

+ sign 1837.206+/-0.300 χ^2/NDF : 571159.7/30

All: 1850.853+/-0.215 χ^2/NDF : 1290929.2/62

- sign 1865.121+/-0.307 χ^2/NDF : 715537.9/31

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 : 21.1/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.7/17

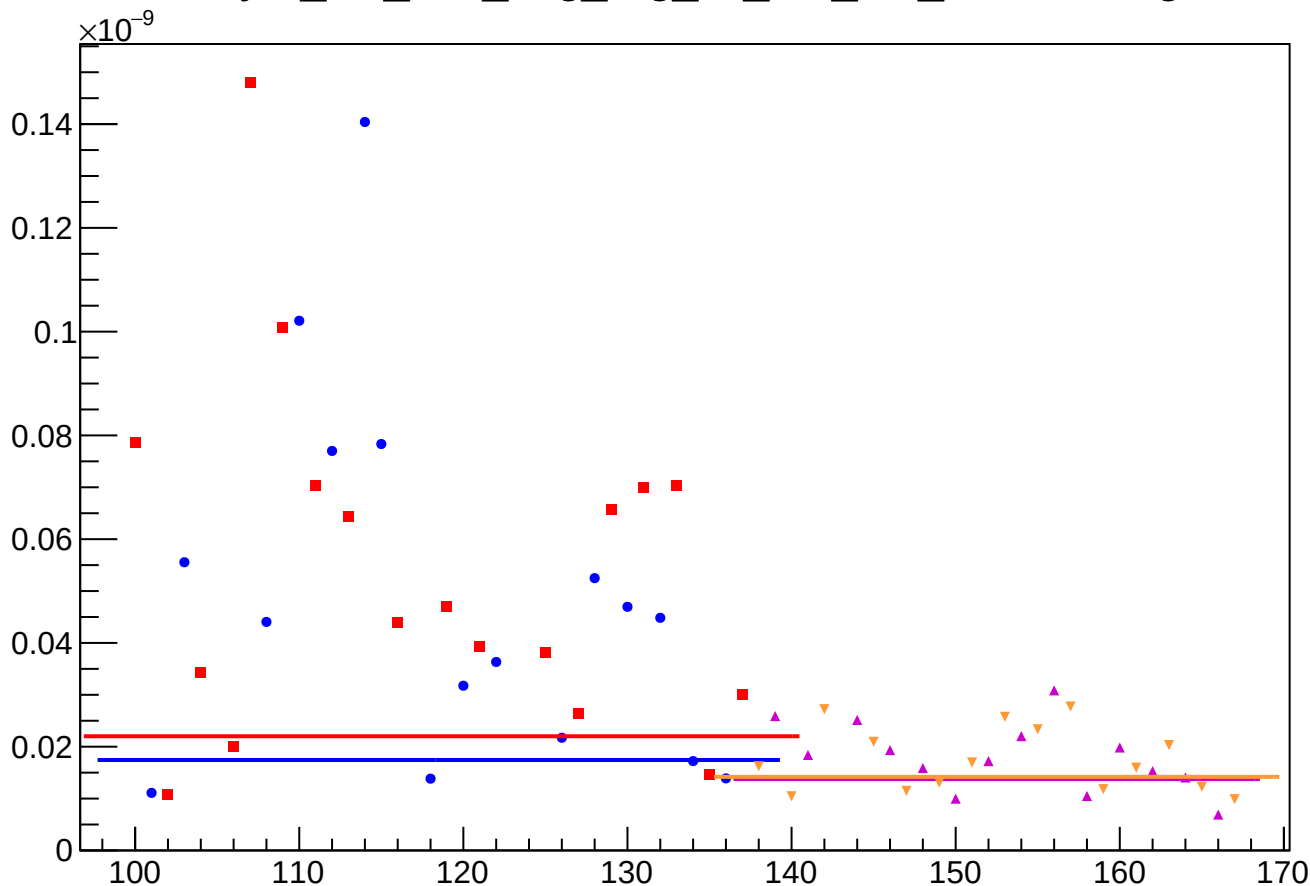
Left In: 0.000 ± 0.000 χ^2/NDF : 13.7/13

+ sign 0.000 ± 0.000 χ^2/NDF : 32.5/30

All: 0.000 ± 0.000 χ^2/NDF : 63.0/62

- sign 0.000 ± 0.000 χ^2/NDF : 30.5/31

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 : 893310.5/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2098640.3/17

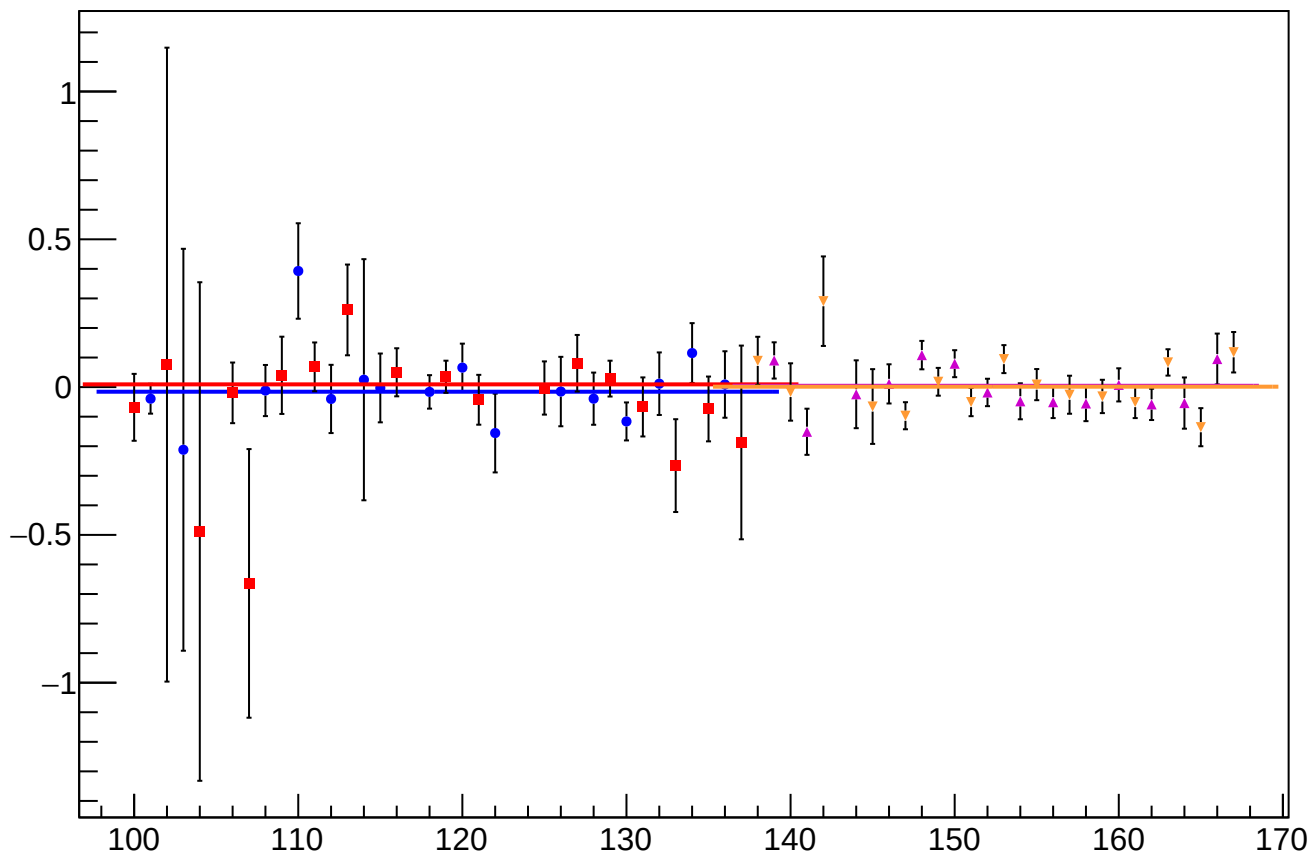
Left In: 0.000+/-0.000 χ^2/NDF : 1431862.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 2828368.6/30

All: 0.000+/-0.000 χ^2/NDF : 6754695.0/62

- sign 0.000+/-0.000 χ^2/NDF : 3926284.8/31

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: 0.001 ± 0.015 χ^2/NDF : 27.2/14

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

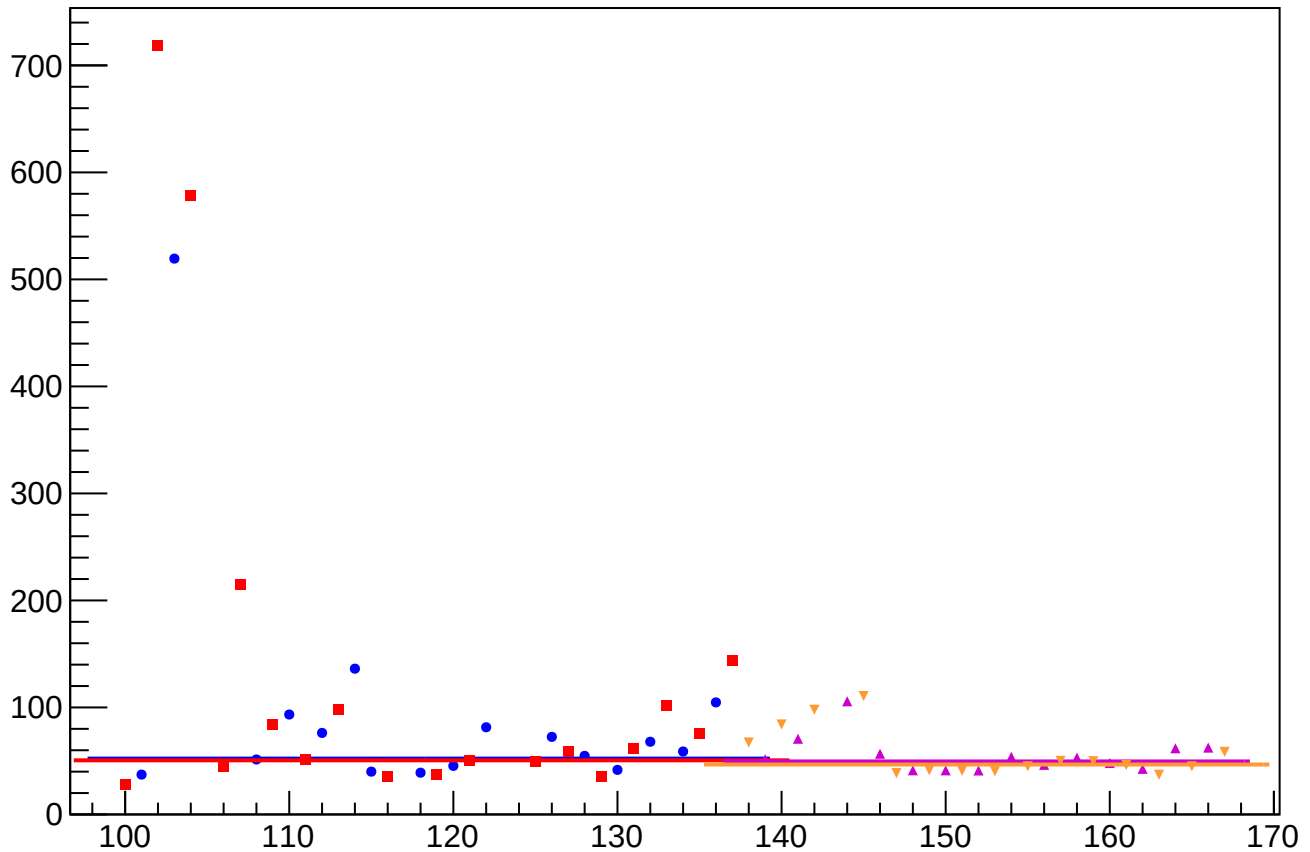
Left In: 0.004 ± 0.016 χ^2/NDF : 19.4/13

+ sign -0.004 ± 0.013 χ^2/NDF : 40.8/30

All: 0.001 ± 0.009 χ^2/NDF : 72.9/62

- sign 0.006 ± 0.013 χ^2/NDF : 31.9/31

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: 46.666 $\pm$ 0.011 χ^2 /NDF: 1485495.3/14

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051379.6/17

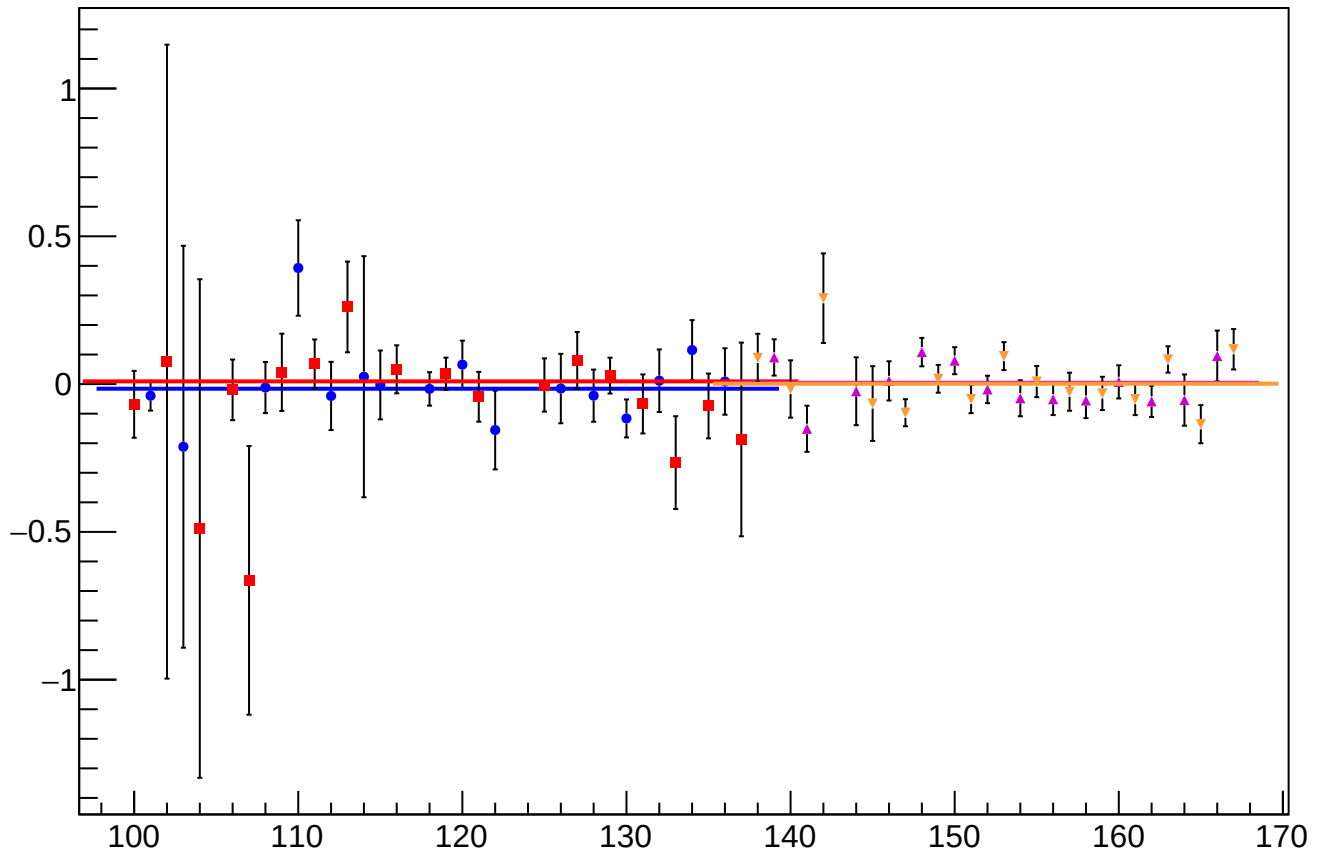
Left In: 49.548 $\pm$ 0.011 χ^2 /NDF: 990042.2/13

+ sign 48.365 $\pm$ 0.009 χ^2 /NDF: 3834879.3/30

All: 49.081 $\pm$ 0.006 χ^2 /NDF: 7892624.8/62

- sign 49.871 $\pm$ 0.009 χ^2 /NDF: 4044061.7/31

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: 0.001 ± 0.015 χ^2/NDF : 27.2/14

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

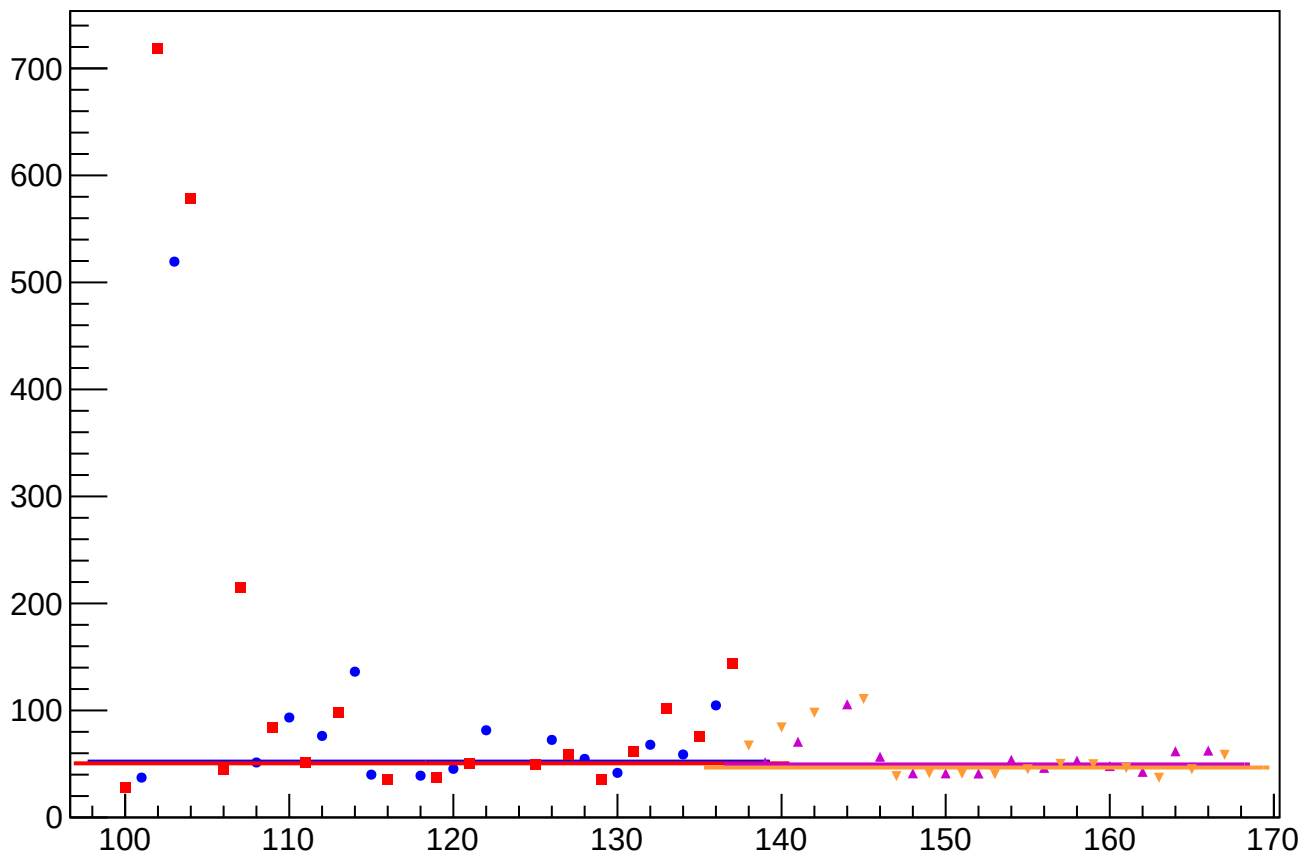
Left In: 0.004 ± 0.016 χ^2/NDF : 19.4/13

+ sign -0.004 ± 0.013 χ^2/NDF : 40.8/30

All: 0.001 ± 0.009 χ^2/NDF : 72.9/62

- sign 0.006 ± 0.013 χ^2/NDF : 31.9/31

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: 46.666 $\pm$ 0.011 χ^2 /NDF: 1485495.3/14

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051379.6/17

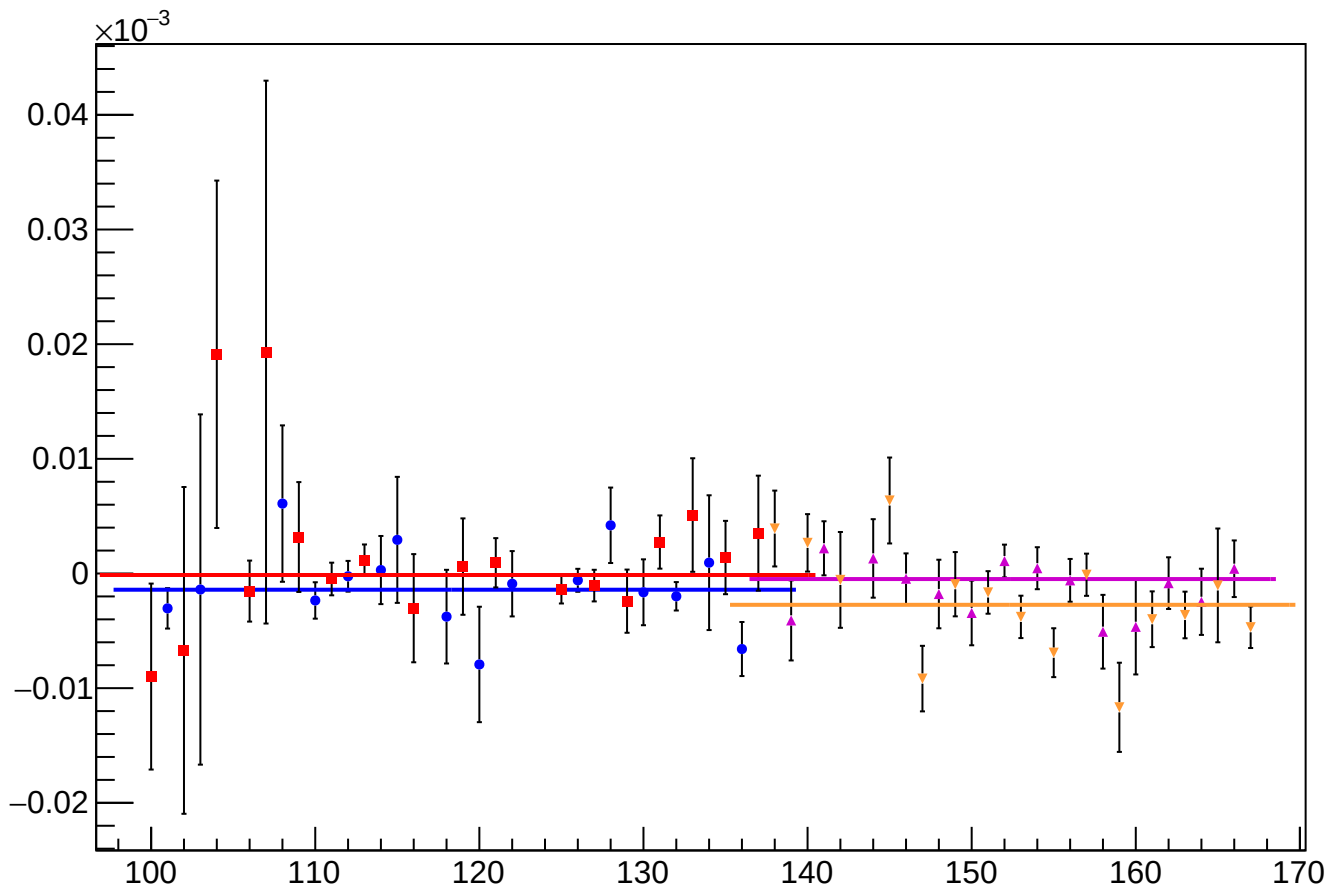
Left In: 49.548 $\pm$ 0.011 χ^2 /NDF: 990042.2/13

+ sign 48.365 $\pm$ 0.009 χ^2 /NDF: 3834879.3/30

All: 49.081 $\pm$ 0.006 χ^2 /NDF: 7892624.8/62

- sign 49.871 $\pm$ 0.009 χ^2 /NDF: 4044061.7/31

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: 33.9/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/17

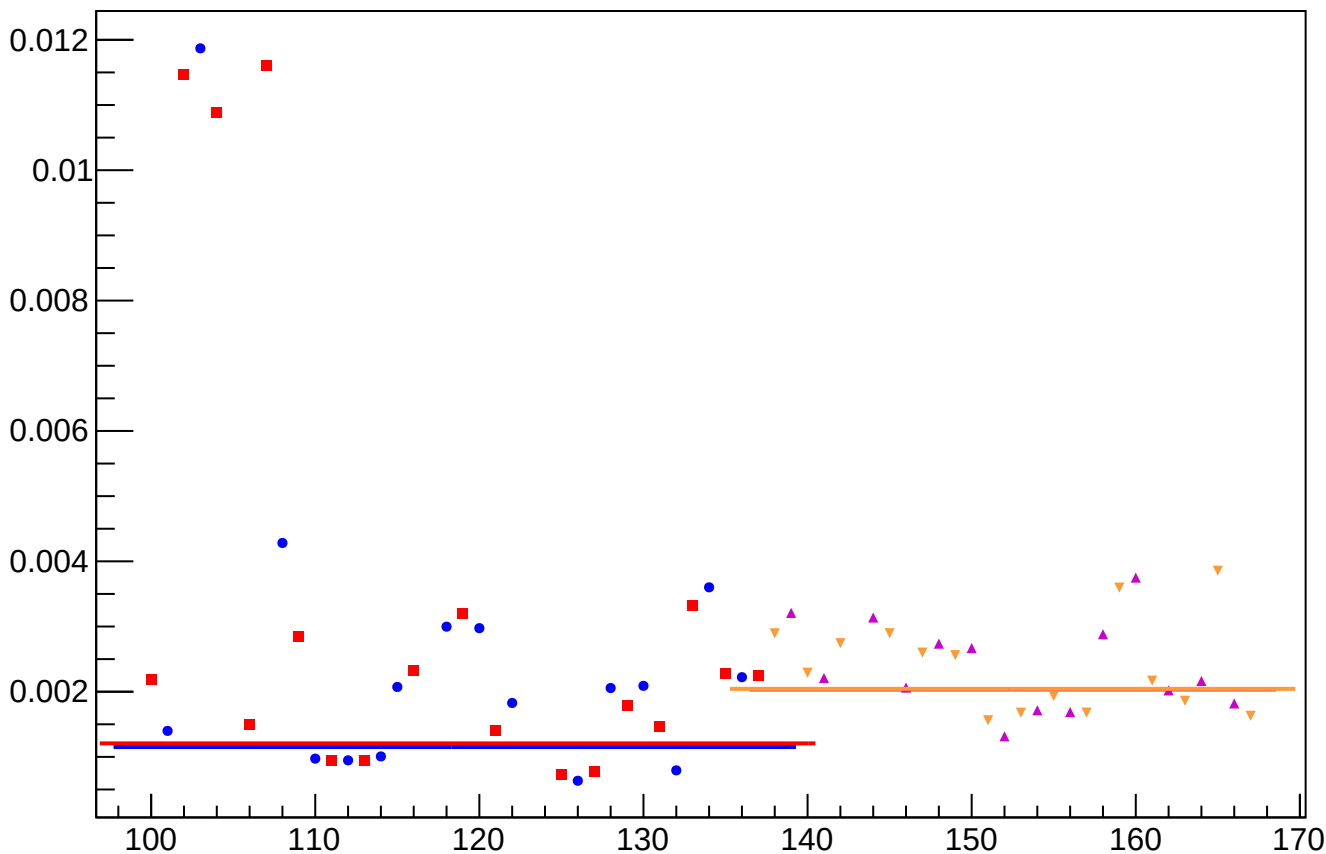
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 51.5/30

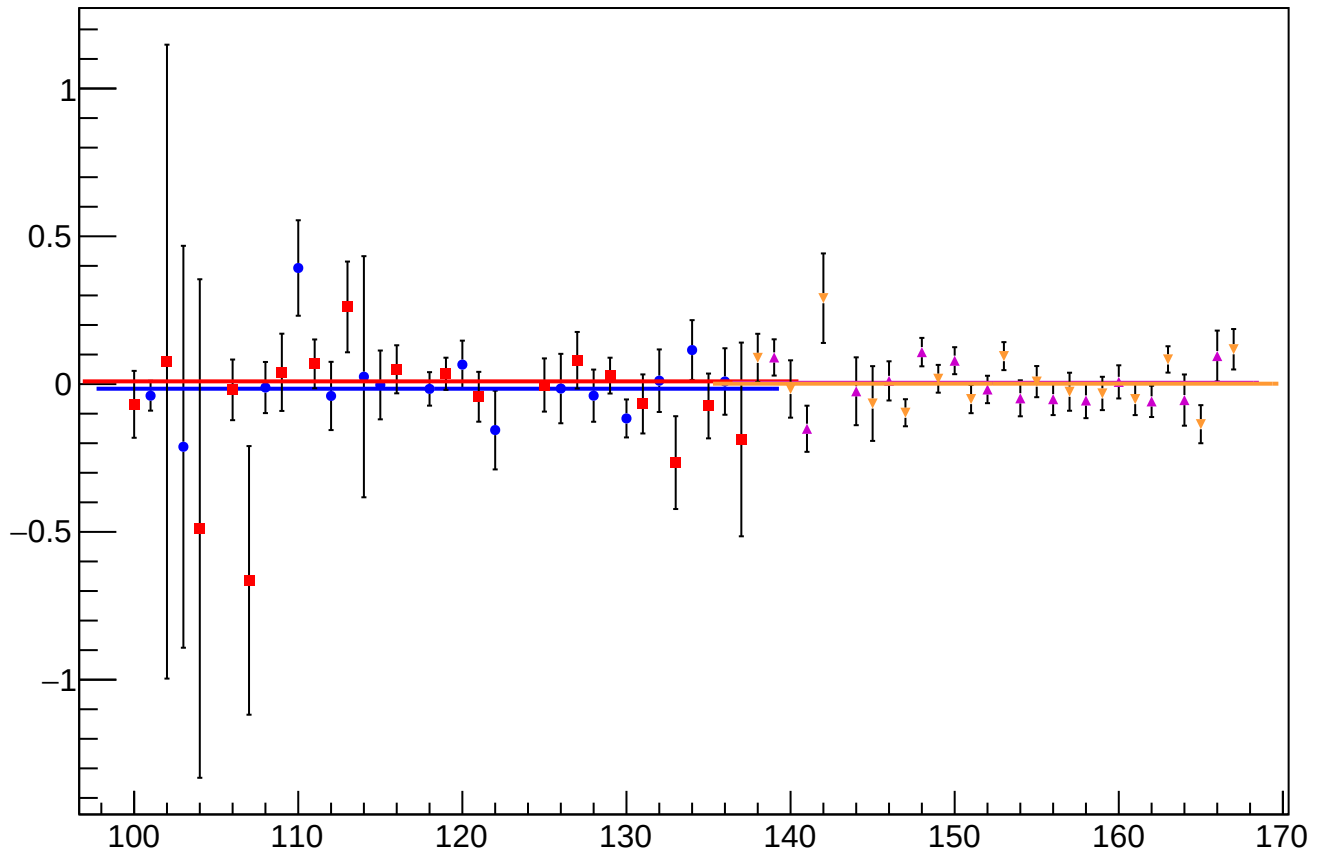
All: -0.000 $\pm$ 0.000 χ^2 /NDF: 80.6/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/31

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



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: 0.001 ± 0.015 χ^2/NDF : 27.2/14

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

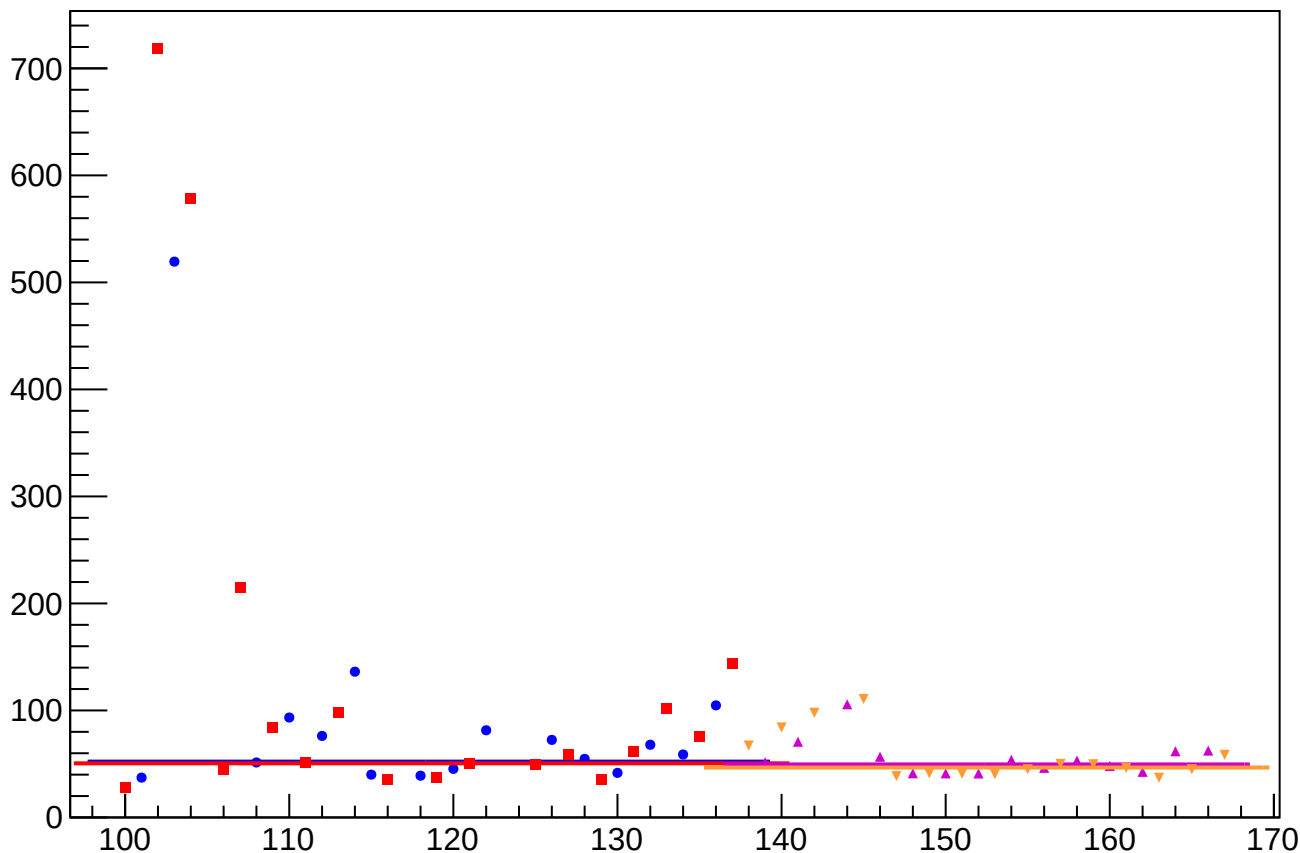
Left In: 0.004 ± 0.016 χ^2/NDF : 19.3/13

+ sign -0.004 ± 0.013 χ^2/NDF : 40.8/30

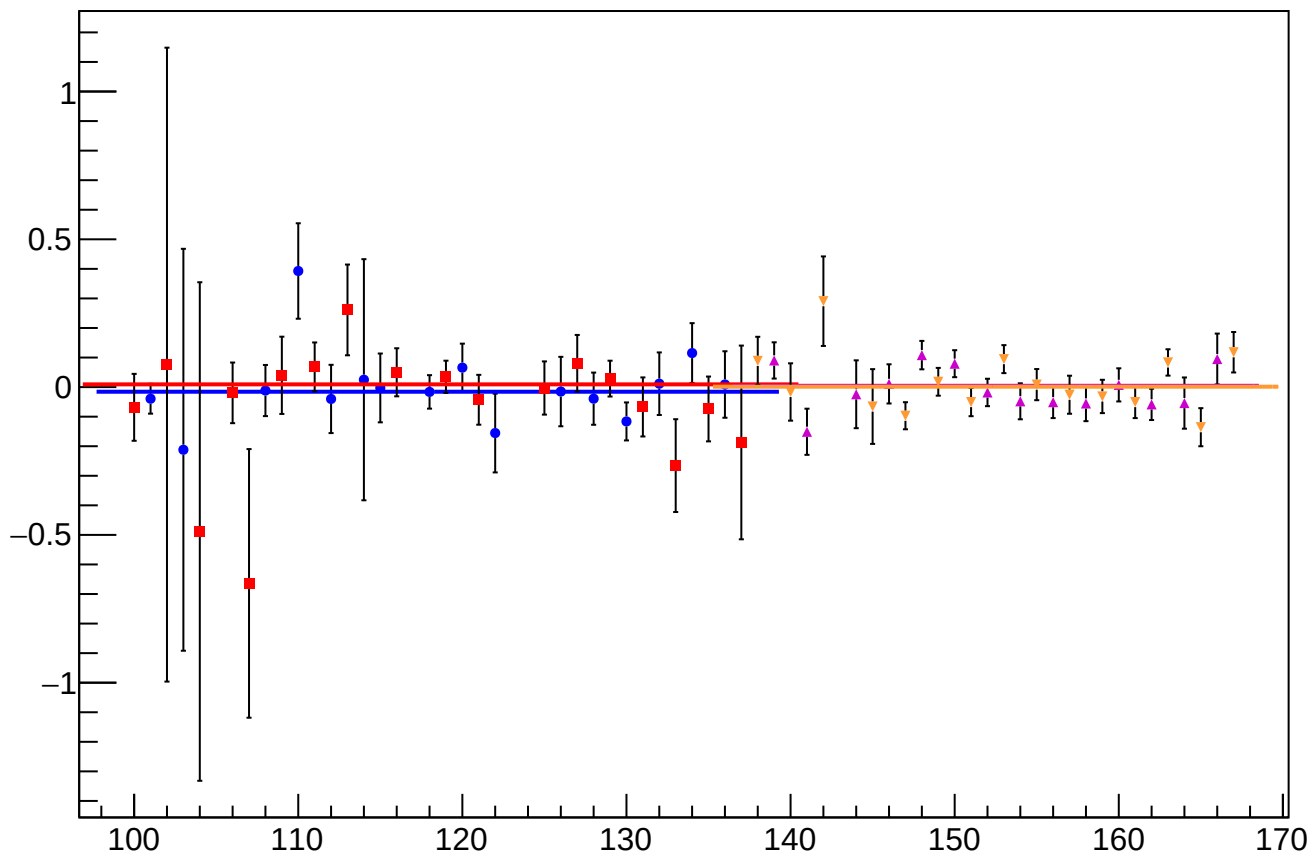
All: 0.001 ± 0.009 χ^2/NDF : 72.9/62

- sign 0.006 ± 0.013 χ^2/NDF : 31.9/31

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



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: 0.001 ± 0.015 χ^2/NDF : 27.2/14

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

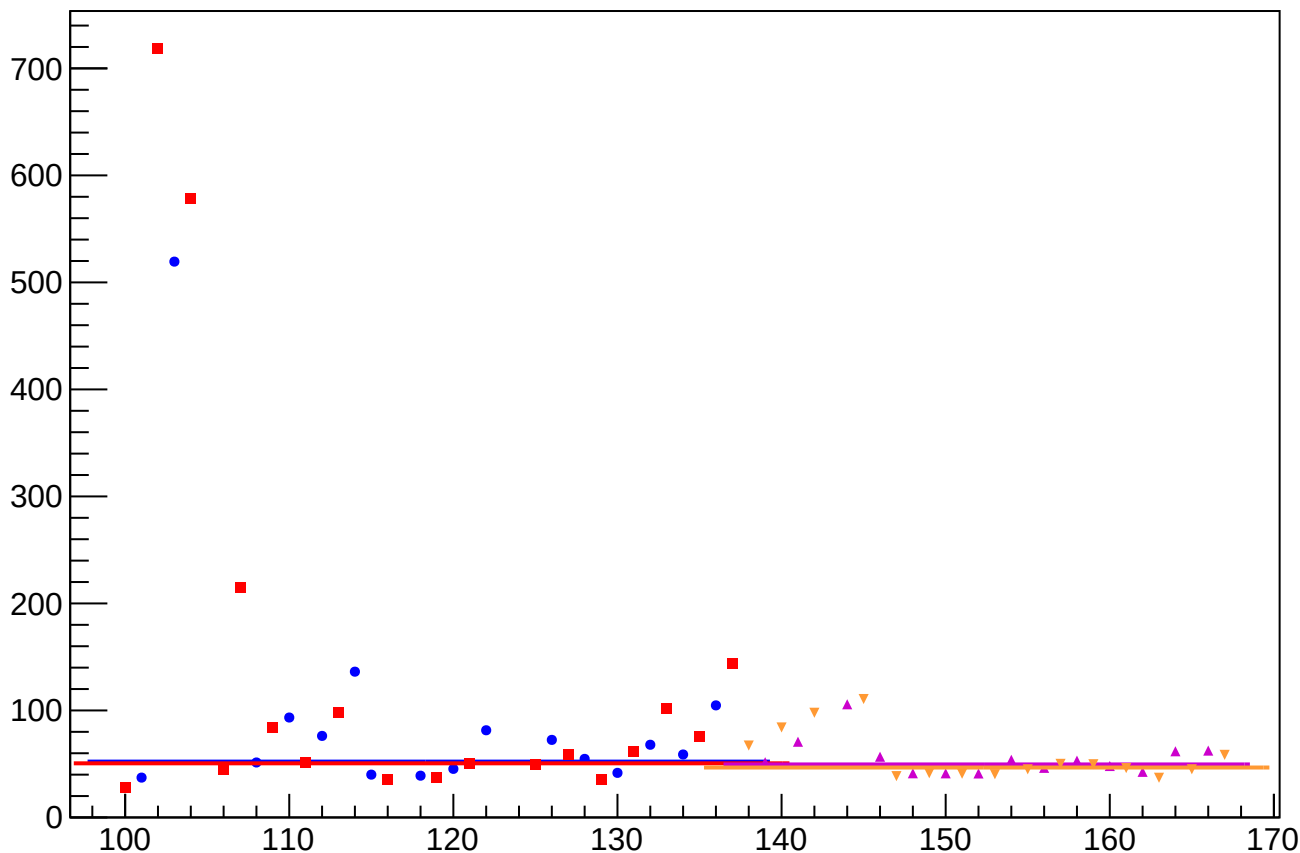
Left In: 0.004 ± 0.016 χ^2/NDF : 19.3/13

+ sign -0.004 ± 0.013 χ^2/NDF : 40.8/30

All: 0.001 ± 0.009 χ^2/NDF : 72.9/62

- sign 0.006 ± 0.013 χ^2/NDF : 31.9/31

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF : 2266922.0/15

Left Out: 46.666+/-0.011 χ^2/NDF : 1485482.6/14

Right Out: 50.582+/-0.017 χ^2/NDF : 3051364.2/17

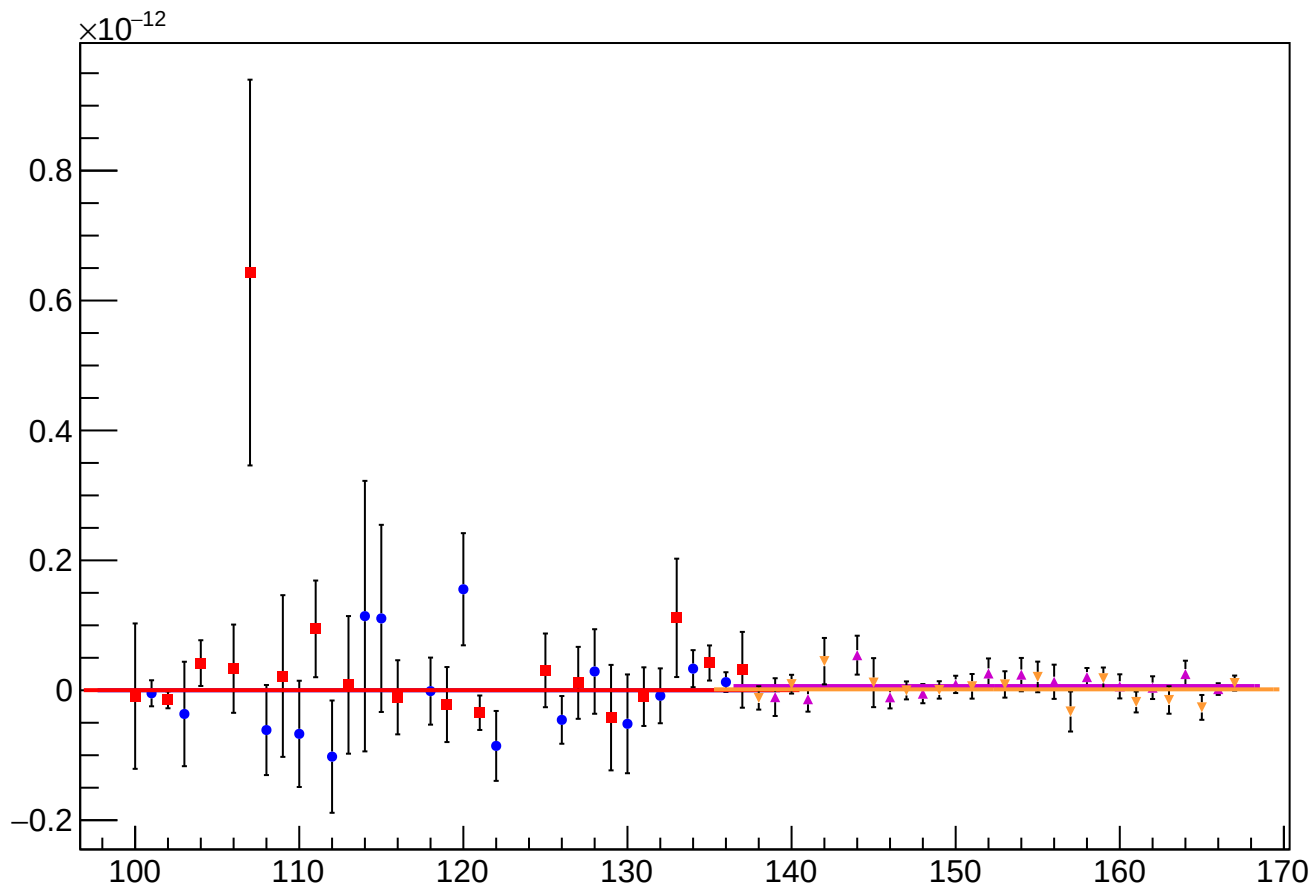
Left In: 49.548+/-0.011 χ^2/NDF : 990047.8/13

+ sign 48.365+/-0.009 χ^2/NDF : 3834851.6/30

All: 49.081+/-0.006 χ^2/NDF : 7892583.2/62

- sign 49.871+/-0.009 χ^2/NDF : 4044050.5/31

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 : 10.4/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.0/17

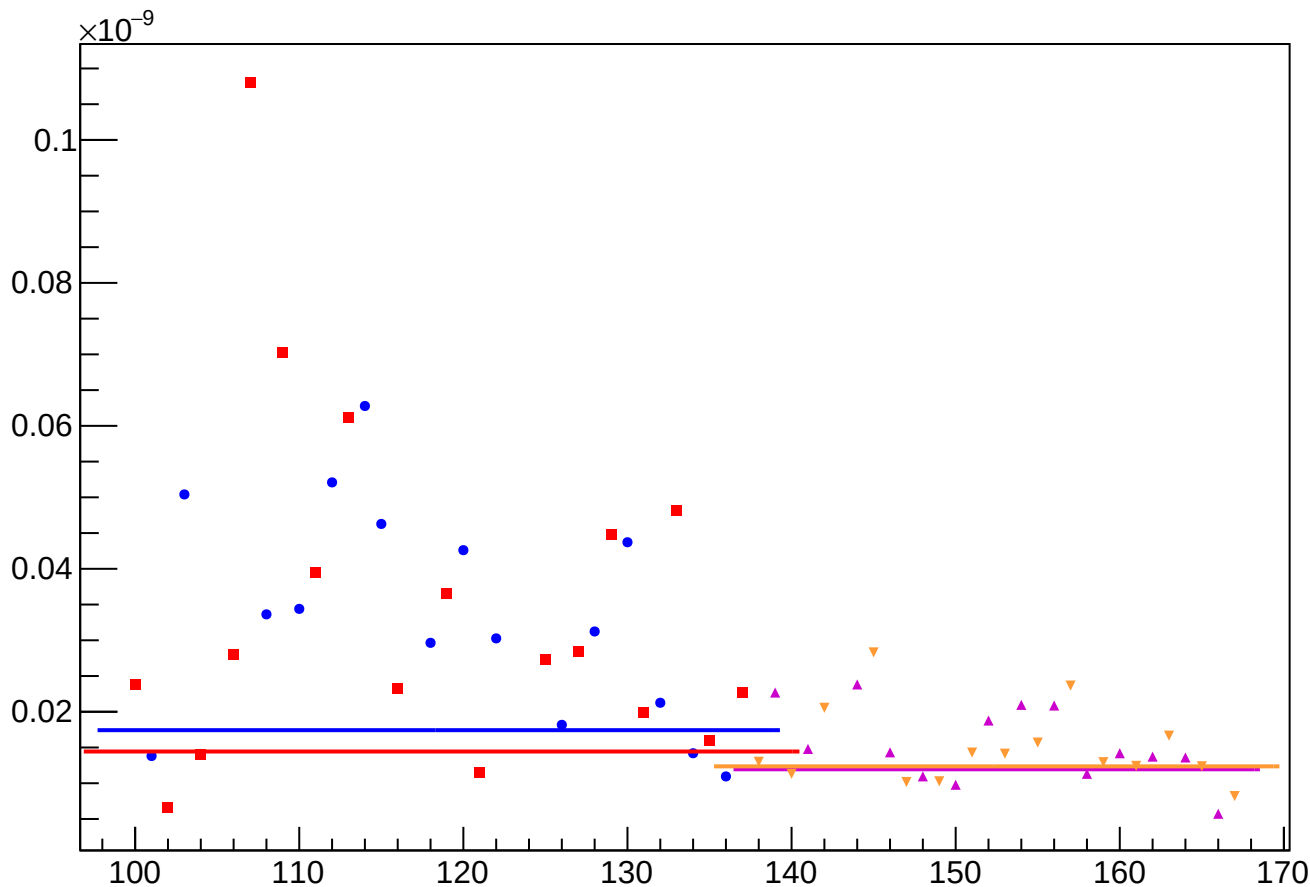
Left In: 0.000 ± 0.000 χ^2/NDF : 9.0/13

+ sign 0.000 ± 0.000 χ^2/NDF : 24.5/30

All: 0.000 ± 0.000 χ^2/NDF : 50.4/62

- sign 0.000 ± 0.000 χ^2/NDF : 25.4/31

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :1262226.4/14

Right Out: 0.000+/-0.000 χ^2/NDF : 3261103.3/17

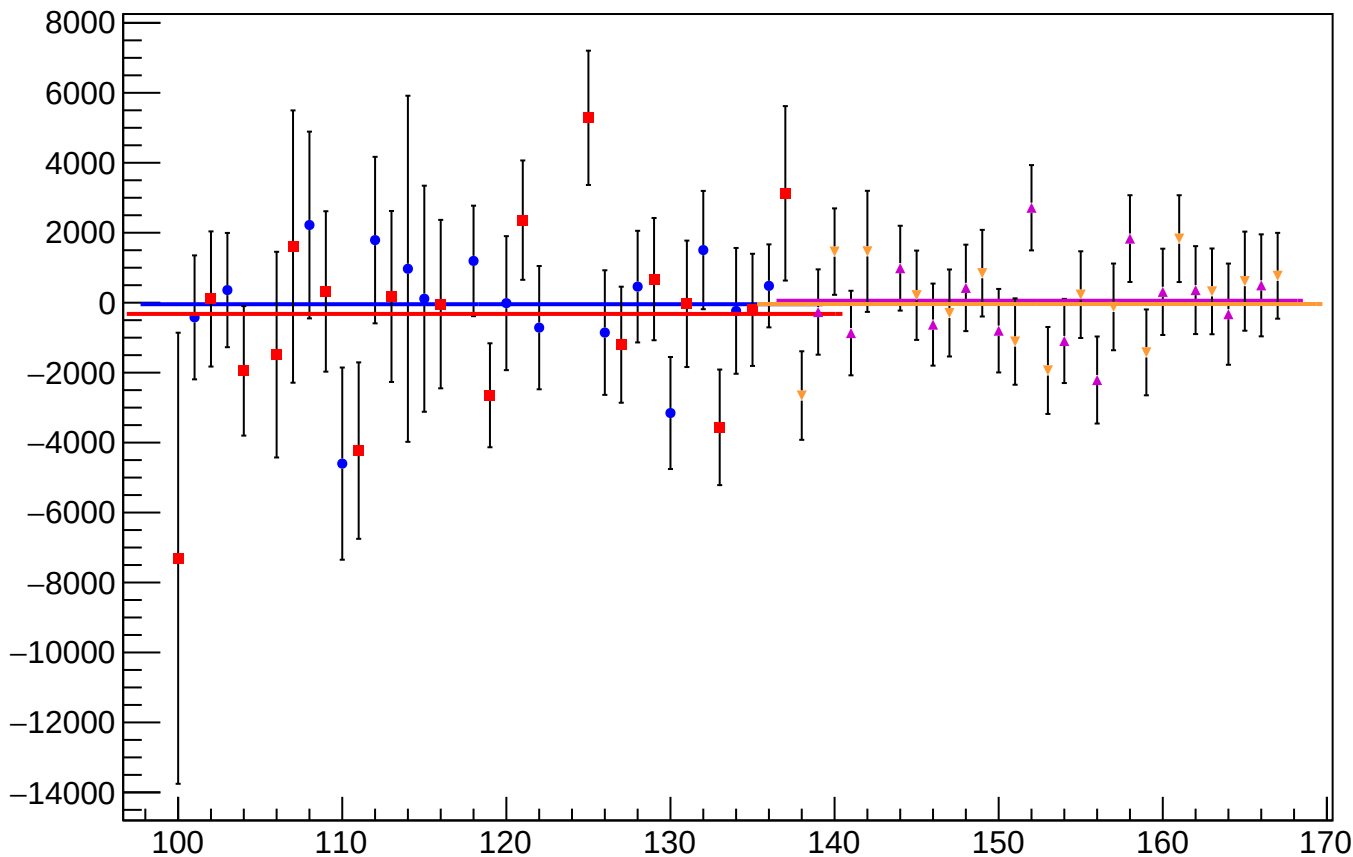
Left In: 0.000+/-0.000 χ^2/NDF :2410186.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 3957100.6/30

All: 0.000+/-0.000 χ^2/NDF : 9797791.9/62

- sign 0.000+/-0.000 χ^2/NDF : 5794455.7/31

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -37.925 ± 328.425 χ^2/NDF : 14.5/14

Right Out: -321.266 ± 474.939 χ^2/NDF : 24.8/17

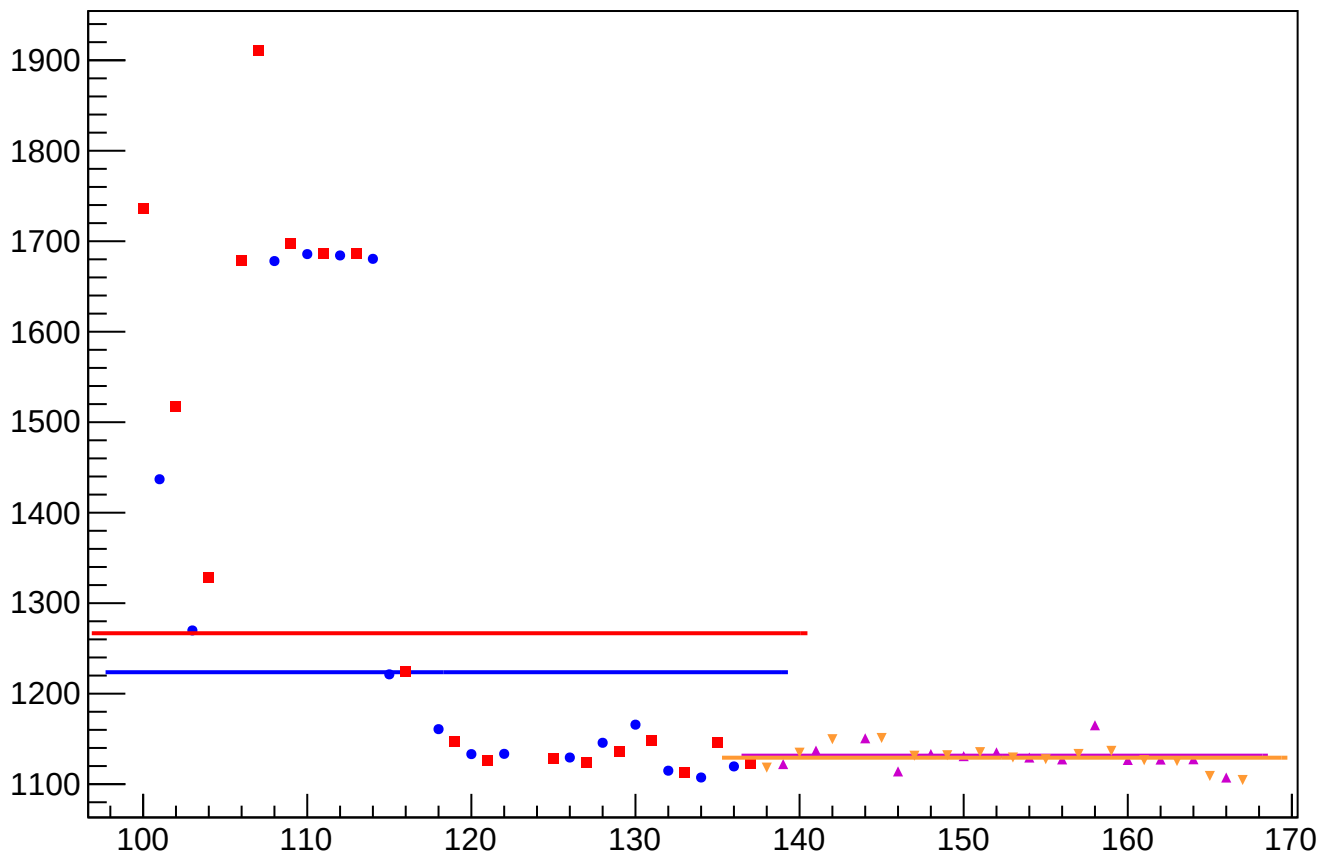
Left In: 55.162 ± 332.988 χ^2/NDF : 13.5/13

+ sign -39.873 ± 267.137 χ^2/NDF : 24.6/30

All: -54.087 ± 190.814 χ^2/NDF : 63.3/62

- sign -68.895 ± 272.651 χ^2/NDF : 38.7/31

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1129.244 $\pm$ 0.232 χ^2 /NDF: 2459.5/14

Right Out: 1266.780 $\pm$ 0.336 χ^2 /NDF: 432845.4/17

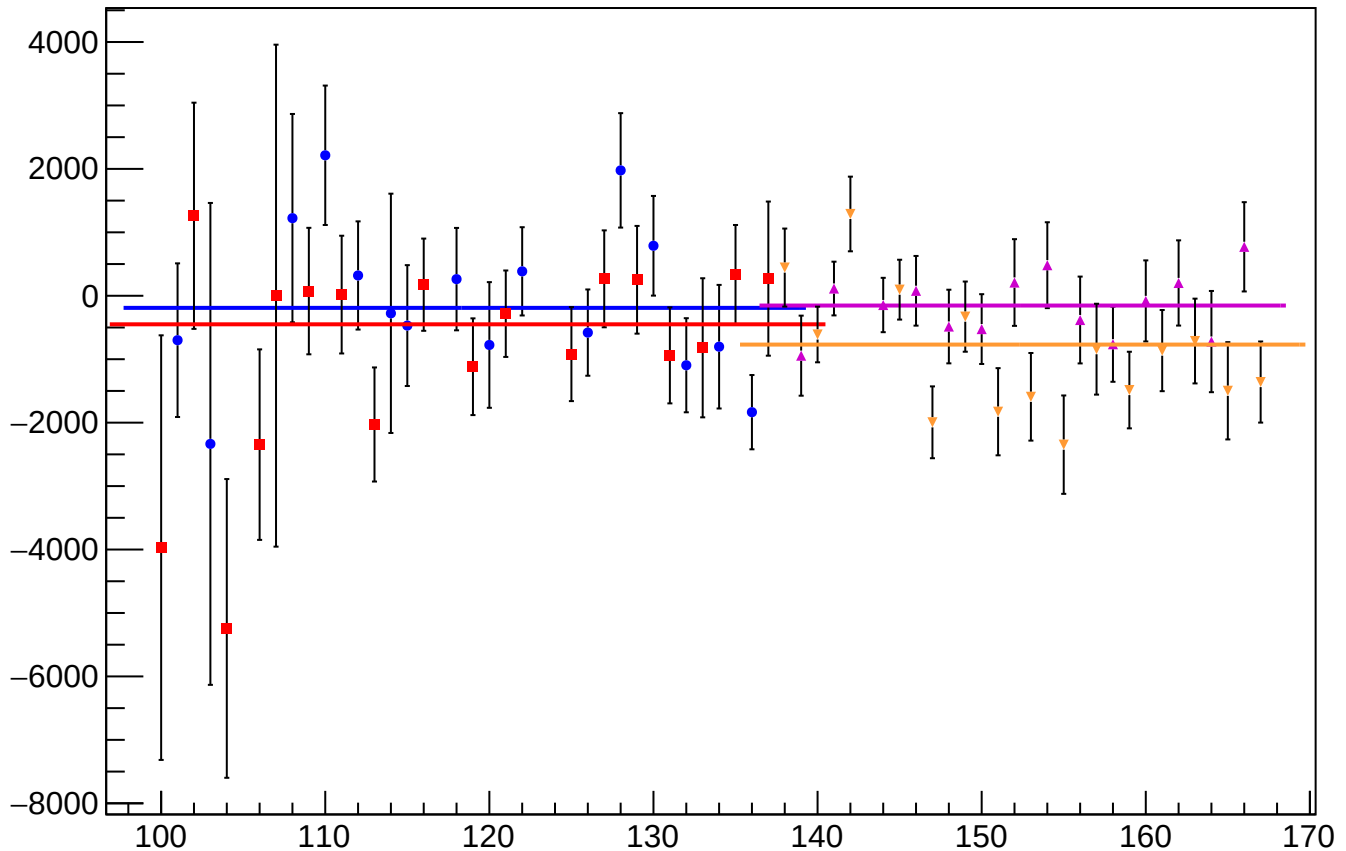
Left In: 1131.492 $\pm$ 0.235 χ^2 /NDF: 3236.5/13

+ sign 1161.209 $\pm$ 0.189 χ^2 /NDF: 353412.8/30

All: 1168.492 $\pm$ 0.135 χ^2 /NDF: 901329.3/62

- sign 1176.078 $\pm$ 0.193 χ^2 /NDF: 544881.9/31

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634 $\pm$ 222.869 χ^2/NDF : 25.2/15

Left Out: -769.382 $\pm$ 156.147 χ^2/NDF : 36.1/14

Right Out: -449.847 $\pm$ 223.203 χ^2/NDF : 16.8/17

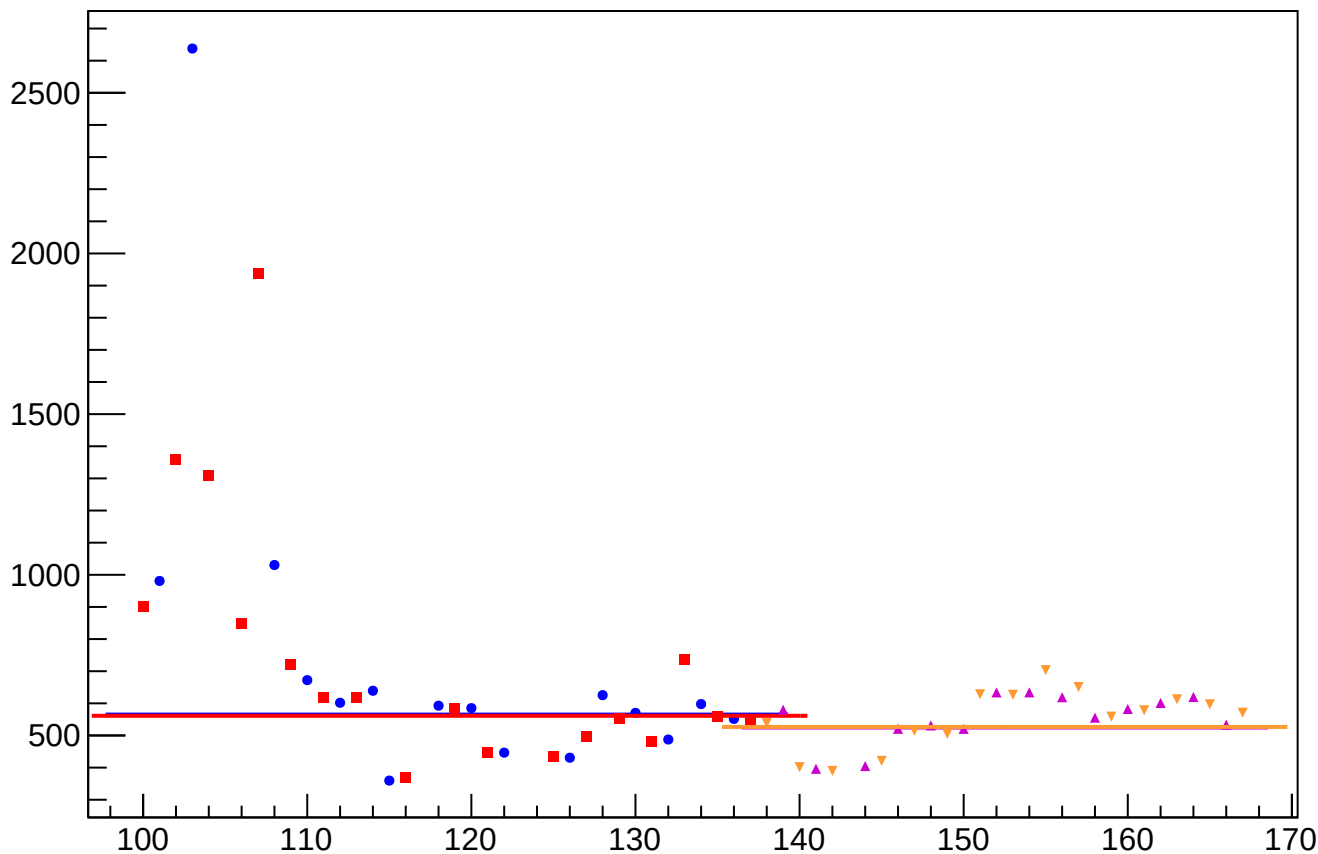
Left In: -153.960 $\pm$ 156.753 χ^2/NDF : 7.8/13

+ sign -578.828 $\pm$ 127.883 χ^2/NDF : 65.9/30

All: -415.765 $\pm$ 90.567 χ^2/NDF : 94.9/62

- sign -251.692 $\pm$ 128.279 χ^2/NDF : 25.8/31

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959 $\pm$ 0.158 χ^2 /NDF: 1284478.9/15

Left Out: 526.558 $\pm$ 0.110 χ^2 /NDF: 704993.4/14

Right Out: 561.243 $\pm$ 0.158 χ^2 /NDF: 1352239.3/17

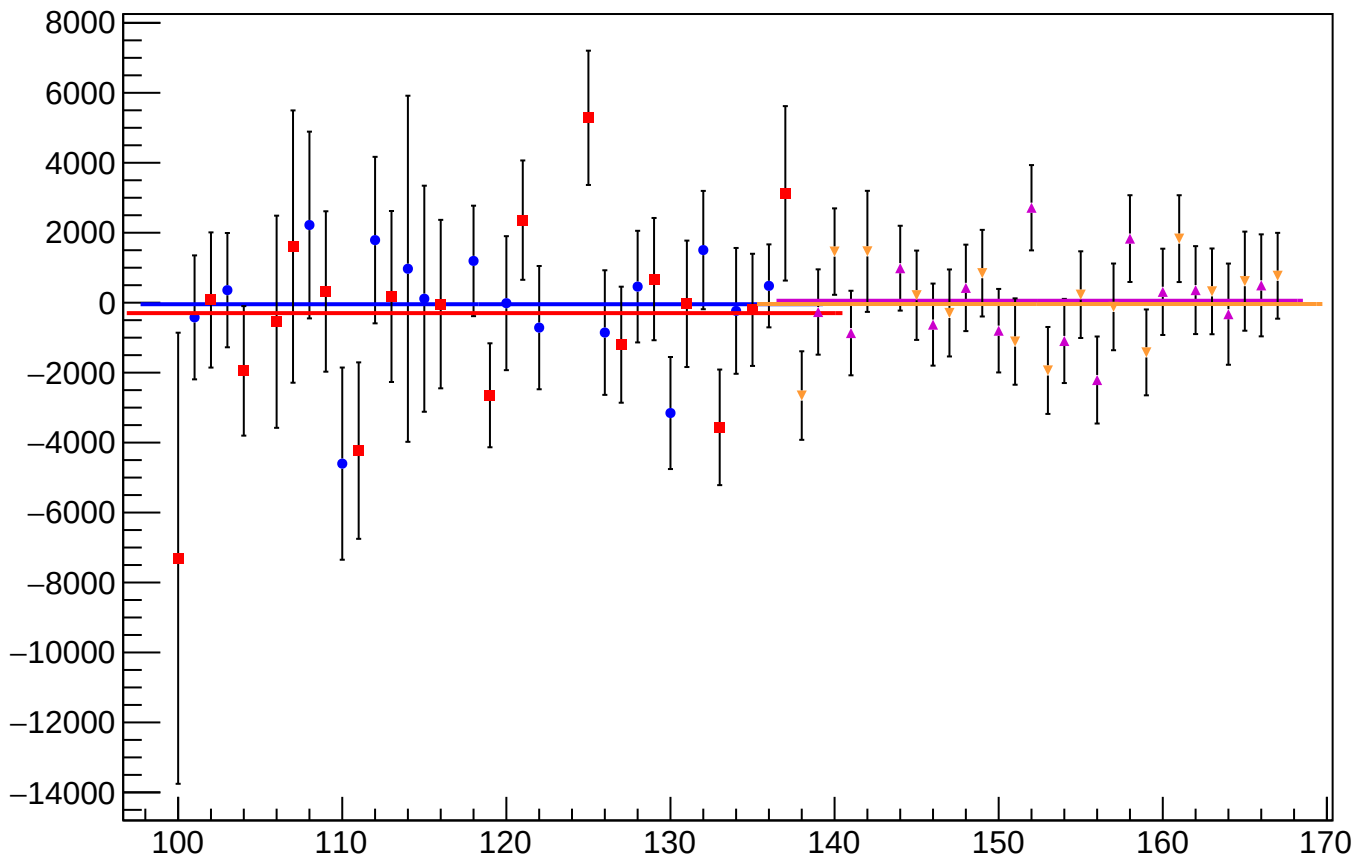
Left In: 524.795 $\pm$ 0.111 χ^2 /NDF: 574164.8/13

+ sign 539.201 $\pm$ 0.090 χ^2 /NDF: 2029299.4/30

All: 538.021 $\pm$ 0.064 χ^2 /NDF: 3991760.9/62

- sign 536.834 $\pm$ 0.091 χ^2 /NDF: 1962119.9/31

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -37.884 ± 328.425 χ^2/NDF : 14.5/14

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

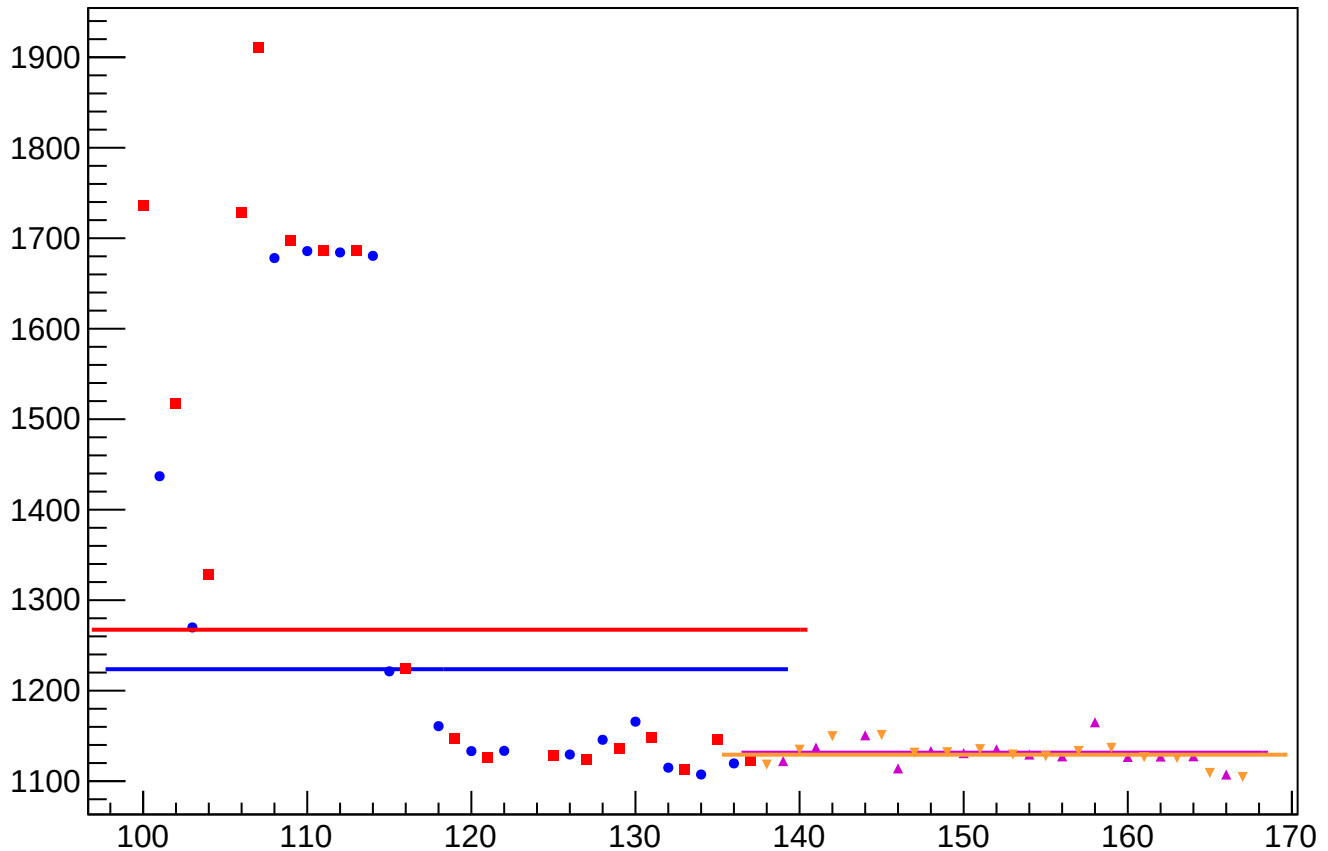
Left In: 55.162 ± 332.988 χ^2/NDF : 13.5/13

+ sign -39.927 ± 267.137 χ^2/NDF : 24.6/30

All: -50.330 ± 190.839 χ^2/NDF : 63.1/62

- sign -61.172 ± 272.722 χ^2/NDF : 38.5/31

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1129.244 $\pm$ 0.232 χ^2 /NDF: 2459.5/14

Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

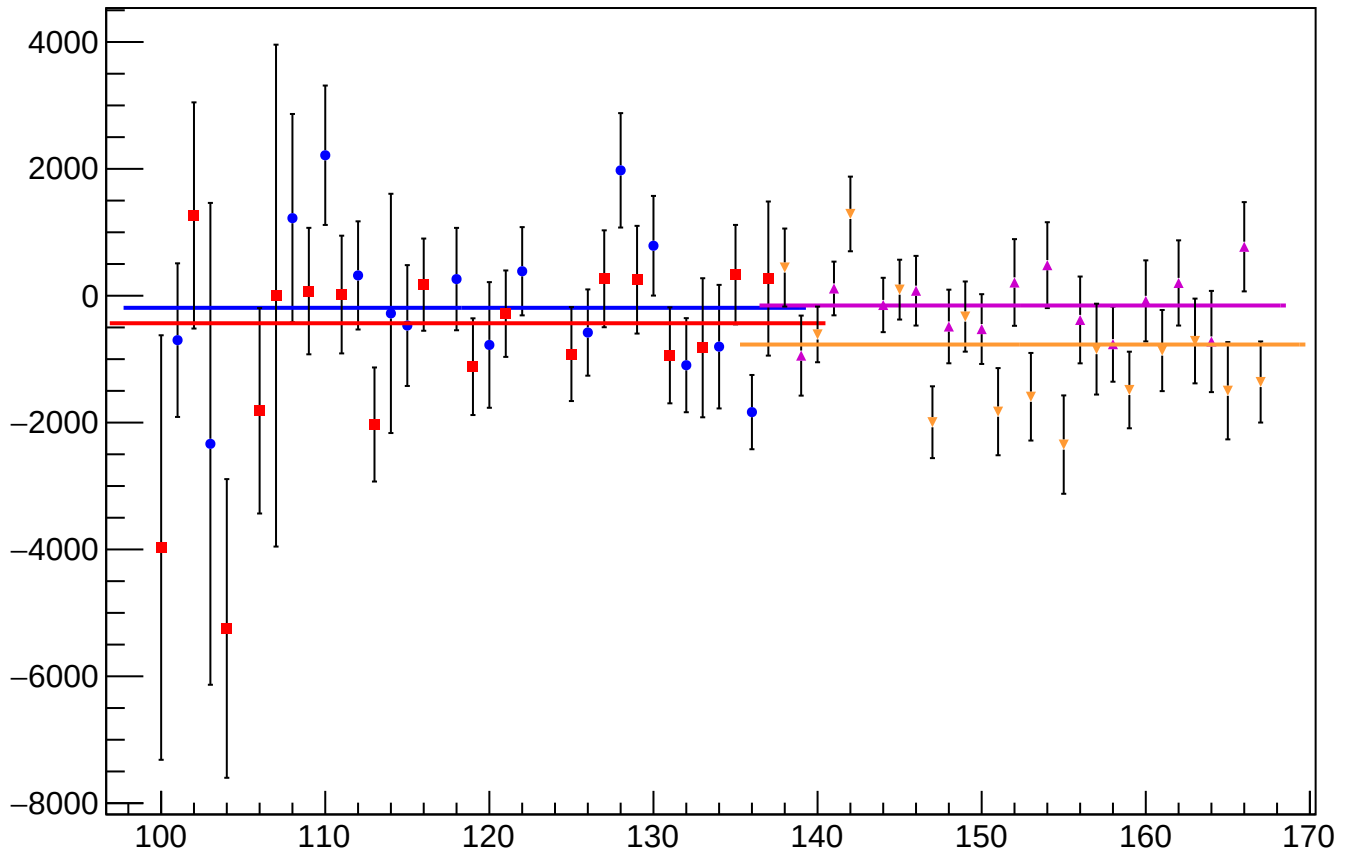
Left In: 1131.492 $\pm$ 0.235 χ^2 /NDF: 3236.5/13

+ sign 1161.209 $\pm$ 0.189 χ^2 /NDF: 353412.9/30

All: 1168.561 $\pm$ 0.135 χ^2 /NDF: 909349.1/62

- sign 1176.223 $\pm$ 0.193 χ^2 /NDF: 552843.0/31

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645 $\pm$ 222.867 χ^2/NDF : 25.3/15

Left Out: -769.406 $\pm$ 156.147 χ^2/NDF : 36.1/14

Right Out: -433.877 $\pm$ 223.547 χ^2/NDF : 15.9/17

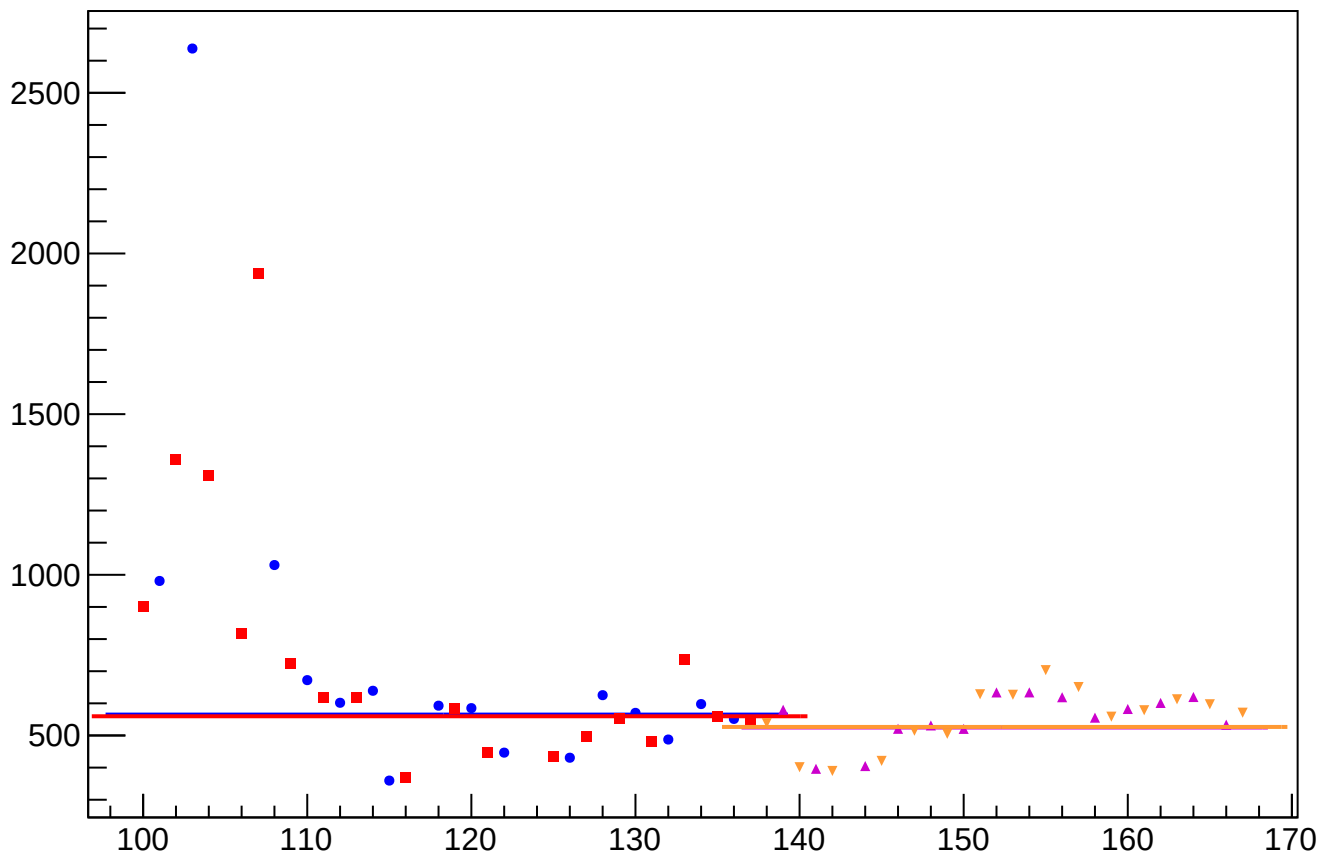
Left In: -153.950 $\pm$ 156.753 χ^2/NDF : 7.8/13

+ sign -578.846 $\pm$ 127.883 χ^2/NDF : 65.9/30

All: -413.131 $\pm$ 90.589 χ^2/NDF : 94.0/62

- sign -246.220 $\pm$ 128.344 χ^2/NDF : 24.8/31

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954 $\pm$ 0.158 χ^2/NDF : 1284455.7/15

Left Out: 526.557 $\pm$ 0.110 χ^2/NDF : 704981.6/14

Right Out: 559.758 $\pm$ 0.158 χ^2/NDF : 1329357.2/17

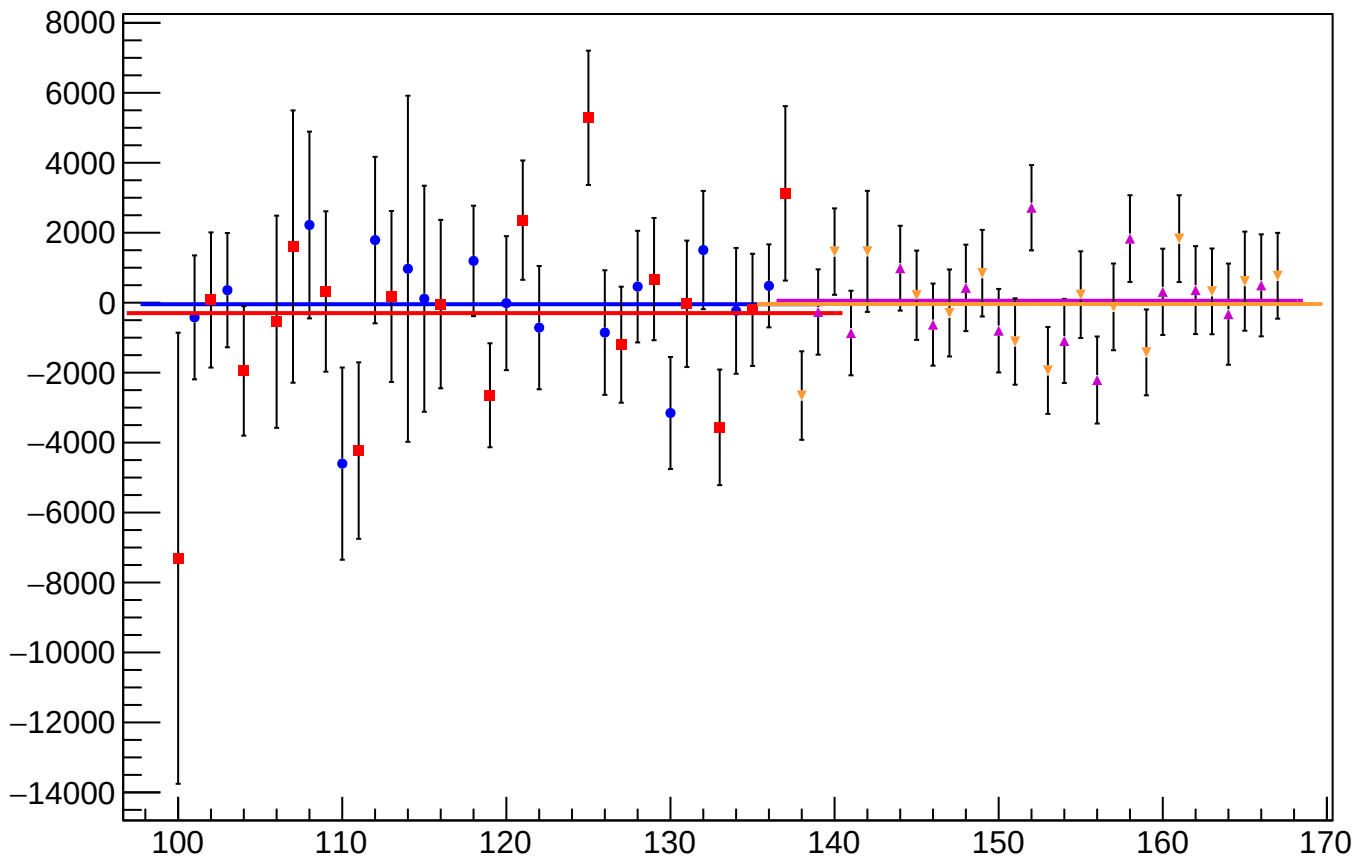
Left In: 524.796 $\pm$ 0.111 χ^2/NDF : 574124.7/13

+ sign 539.199 $\pm$ 0.090 χ^2/NDF : 2029256.9/30

All: 537.765 $\pm$ 0.064 χ^2/NDF : 3966039.1/62

- sign 536.320 $\pm$ 0.091 χ^2/NDF : 1936276.9/31

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -37.884 ± 328.425 χ^2/NDF : 14.5/14

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

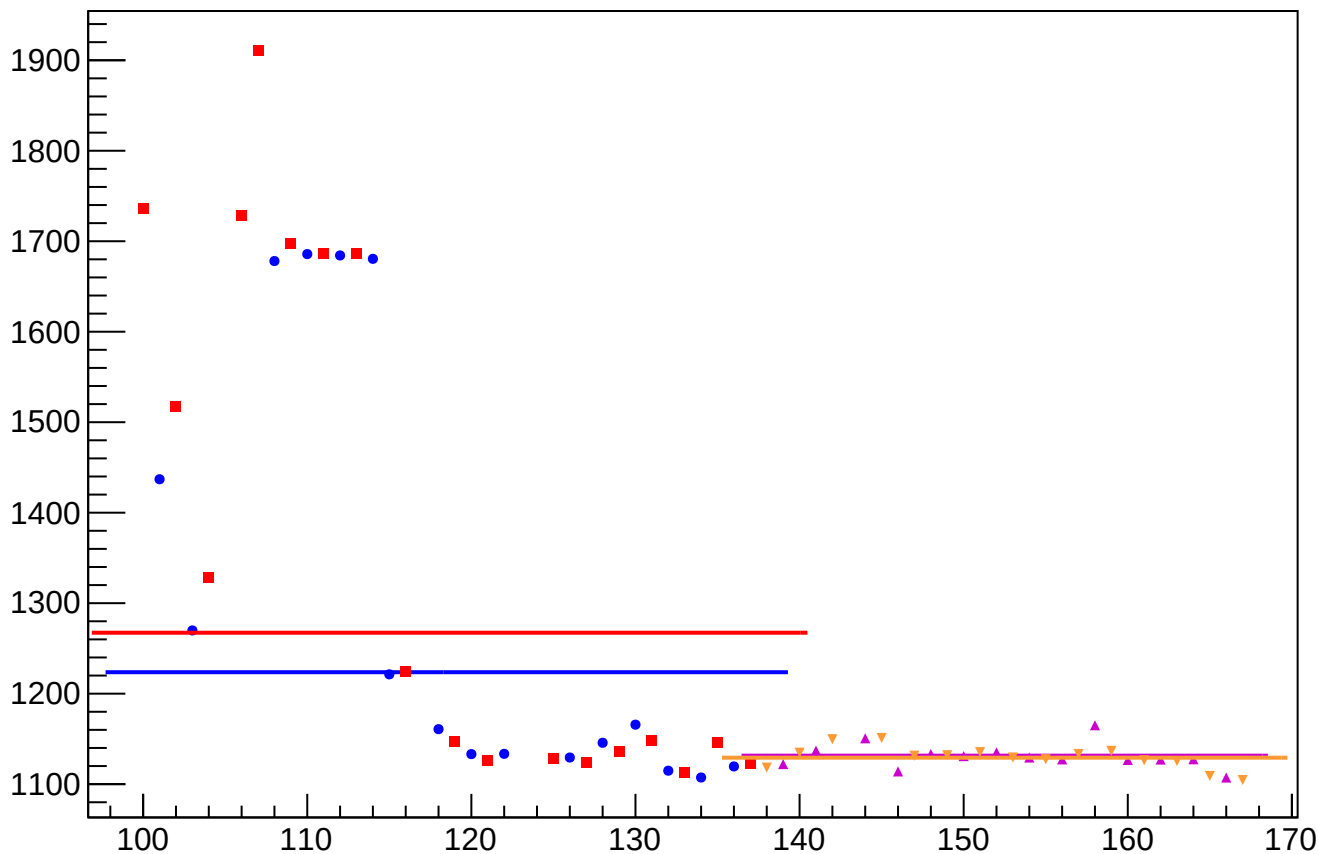
Left In: 55.162 ± 332.988 χ^2/NDF : 13.5/13

+ sign -39.927 ± 267.137 χ^2/NDF : 24.6/30

All: -50.330 ± 190.839 χ^2/NDF : 63.1/62

- sign -61.172 ± 272.722 χ^2/NDF : 38.5/31

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 +/- 0.325 χ^2/NDF : 294966.1/15

Left Out: 1129.244 +/- 0.232 χ^2/NDF : 2459.5/14

Right Out: 1267.363 +/- 0.336 χ^2/NDF : 439982.4/17

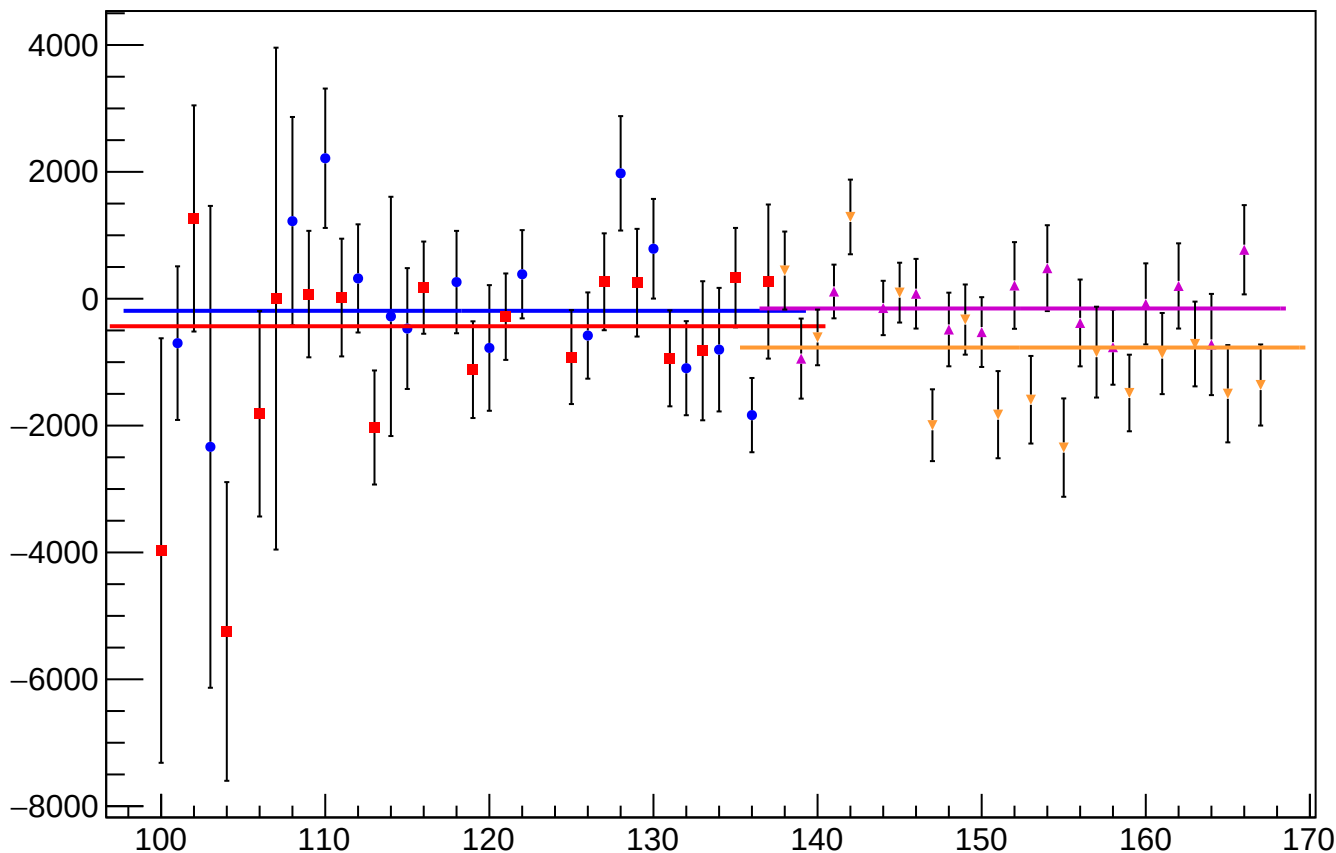
Left In: 1131.492 +/- 0.235 χ^2/NDF : 3236.5/13

+ sign 1161.209 +/- 0.189 χ^2/NDF : 353412.9/30

All: 1168.561 +/- 0.135 χ^2/NDF : 909349.1/62

- sign 1176.223 +/- 0.193 χ^2/NDF : 552843.0/31

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -190.645 $\pm$ 222.867 χ^2/NDF : 25.3/15

Left Out: -769.406 $\pm$ 156.147 χ^2/NDF : 36.1/14

Right Out: -433.877 $\pm$ 223.547 χ^2/NDF : 15.9/17

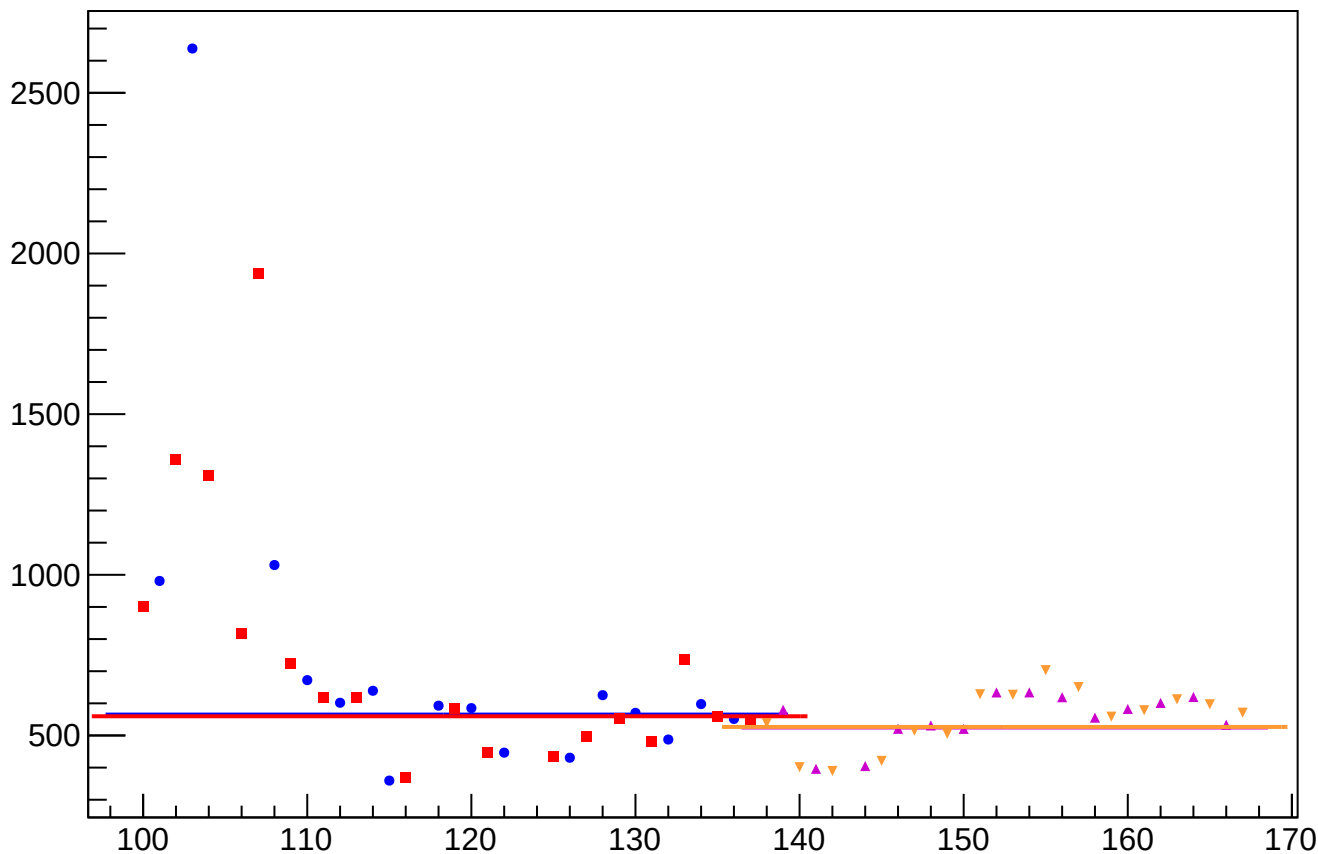
Left In: -153.950 $\pm$ 156.753 χ^2/NDF : 7.8/13

+ sign -578.846 $\pm$ 127.883 χ^2/NDF : 65.9/30

All: -413.131 $\pm$ 90.589 χ^2/NDF : 94.0/62

- sign -246.220 $\pm$ 128.344 χ^2/NDF : 24.8/31

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954 +/- 0.158 χ^2/NDF : 1284455.7/15

Left Out: 526.557 +/- 0.110 χ^2/NDF : 704981.6/14

Right Out: 559.758 +/- 0.158 χ^2/NDF : 1329357.2/17

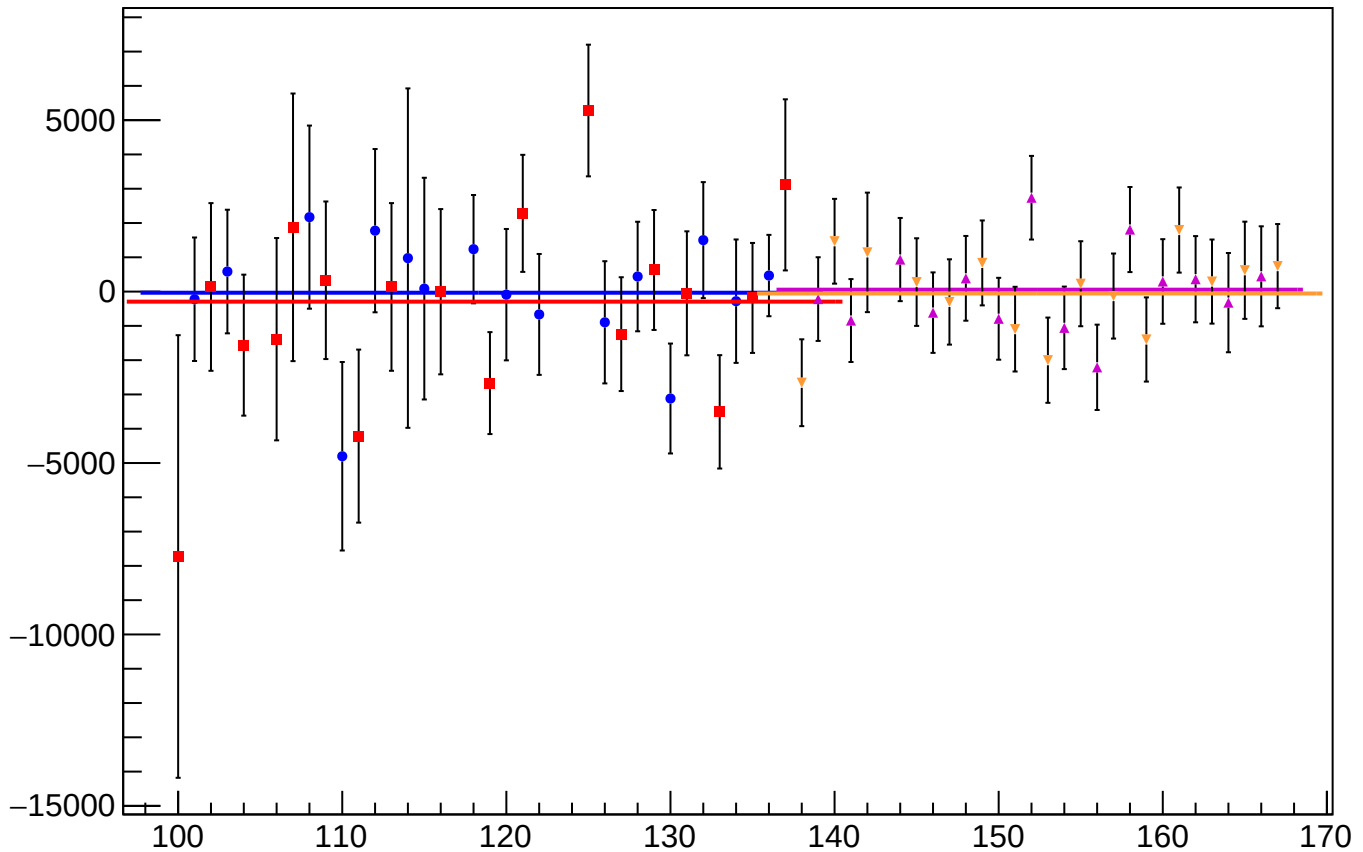
Left In: 524.796 +/- 0.111 χ^2/NDF : 574124.7/13

+ sign 539.199 +/- 0.090 χ^2/NDF : 2029256.9/30

All: 537.765 +/- 0.064 χ^2/NDF : 3966039.1/62

- sign 536.320 +/- 0.091 χ^2/NDF : 1936276.9/31

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -55.477 ± 328.637 χ^2/NDF : 14.2/14

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

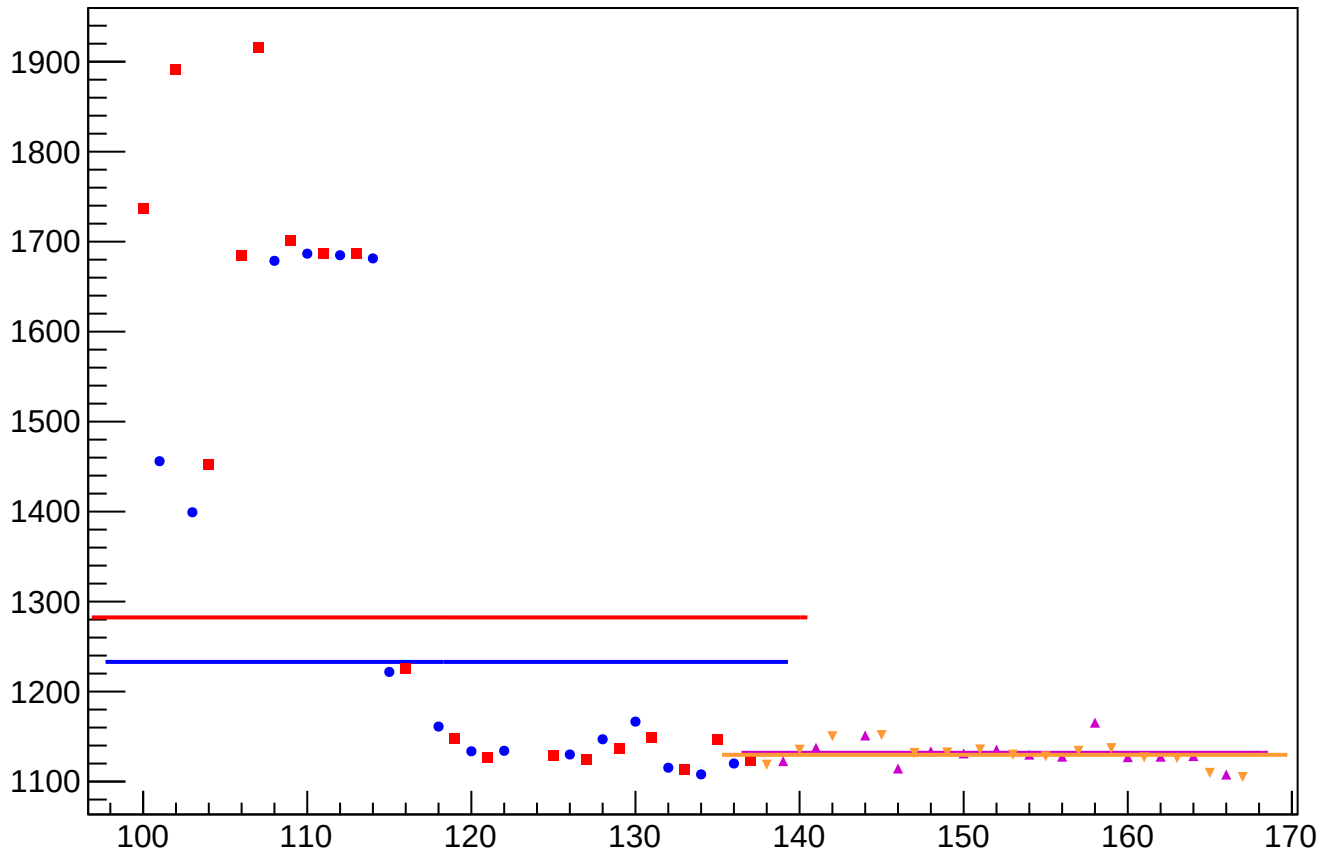
Left In: 55.411 ± 333.121 χ^2/NDF : 13.3/13

+ sign -47.972 ± 268.032 χ^2/NDF : 24.5/30

All: -52.262 ± 191.732 χ^2/NDF : 62.3/62

- sign -56.757 ± 274.378 χ^2/NDF : 37.9/31

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965 $\pm$ 0.328 χ^2 /NDF: 315470.6/15

Left Out: 1129.709 $\pm$ 0.232 χ^2 /NDF: 2462.8/14

Right Out: 1282.407 $\pm$ 0.342 χ^2 /NDF: 543403.8/17

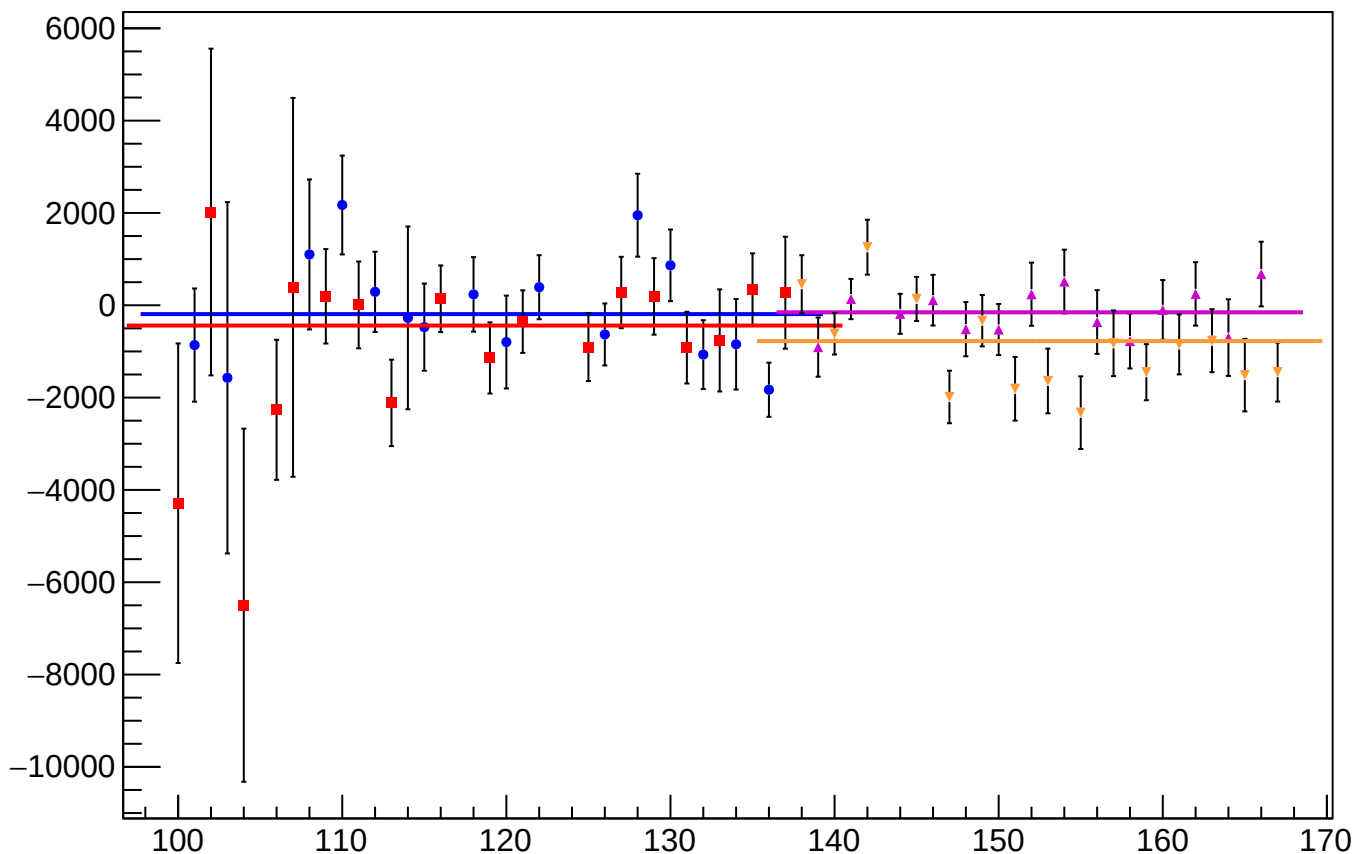
Left In: 1131.944 $\pm$ 0.236 χ^2 /NDF: 3228.6/13

+ sign 1164.281 $\pm$ 0.190 χ^2 /NDF: 384037.9/30

All: 1172.118 $\pm$ 0.136 χ^2 /NDF: 1065387.6/62

- sign 1180.331 $\pm$ 0.194 χ^2 /NDF: 677848.0/31

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528 $\pm$ 222.764 χ^2/NDF : 25.3/15

Left Out: -776.026 $\pm$ 158.036 χ^2/NDF : 35.4/14

Right Out: -439.610 $\pm$ 226.600 χ^2/NDF : 14.6/17

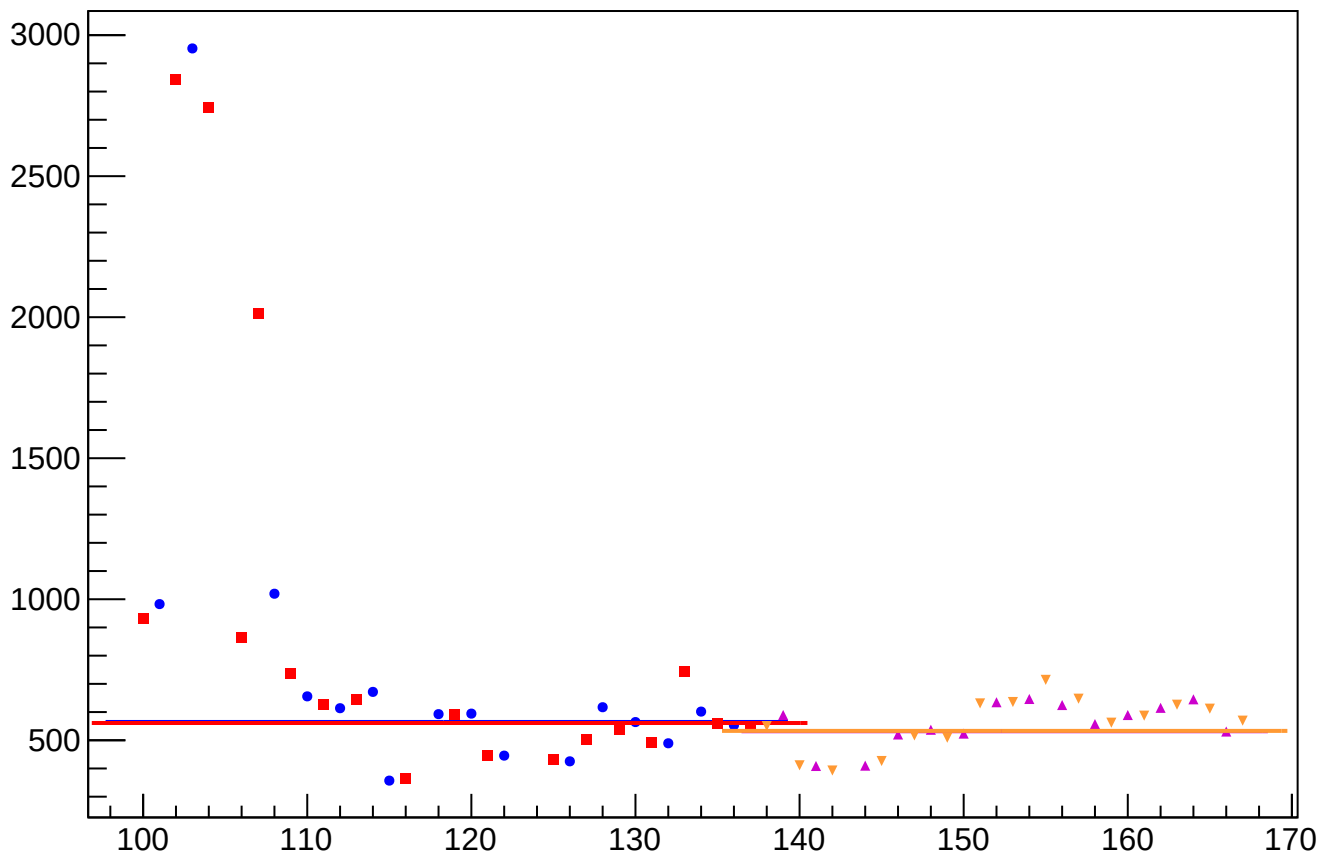
Left In: -152.506 $\pm$ 158.787 χ^2/NDF : 7.5/13

+ sign -580.339 $\pm$ 128.894 χ^2/NDF : 65.2/30

All: -415.171 $\pm$ 91.544 χ^2/NDF : 91.8/62

- sign -247.056 $\pm$ 130.038 χ^2/NDF : 23.3/31

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871 ± 0.158 $\chi^2/\text{NDF}: 1480375.5/15$

Left Out: 533.255 ± 0.112 $\chi^2/\text{NDF}: 687424.8/14$

Right Out: 561.273 ± 0.160 $\chi^2/\text{NDF}: 2273371.7/17$

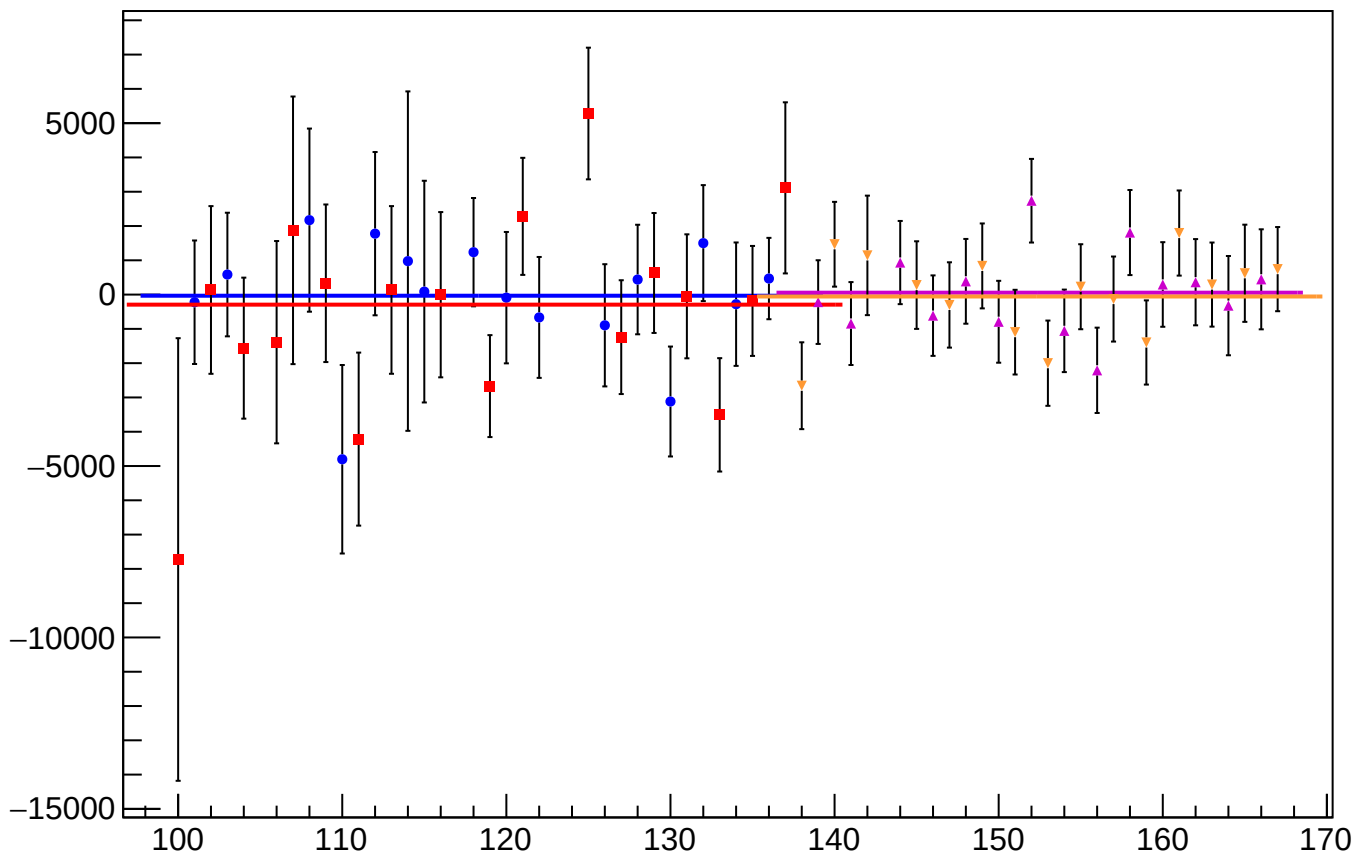
Left In: 531.988 ± 0.112 $\chi^2/\text{NDF}: 557508.3/13$

+ sign 543.840 ± 0.091 $\chi^2/\text{NDF}: 2194599.3/30$

All: 542.746 ± 0.065 $\chi^2/\text{NDF}: 5048173.3/62$

- sign 541.632 ± 0.092 $\chi^2/\text{NDF}: 2853283.4/31$

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -55.479 ± 328.637 χ^2/NDF : 14.2/14

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

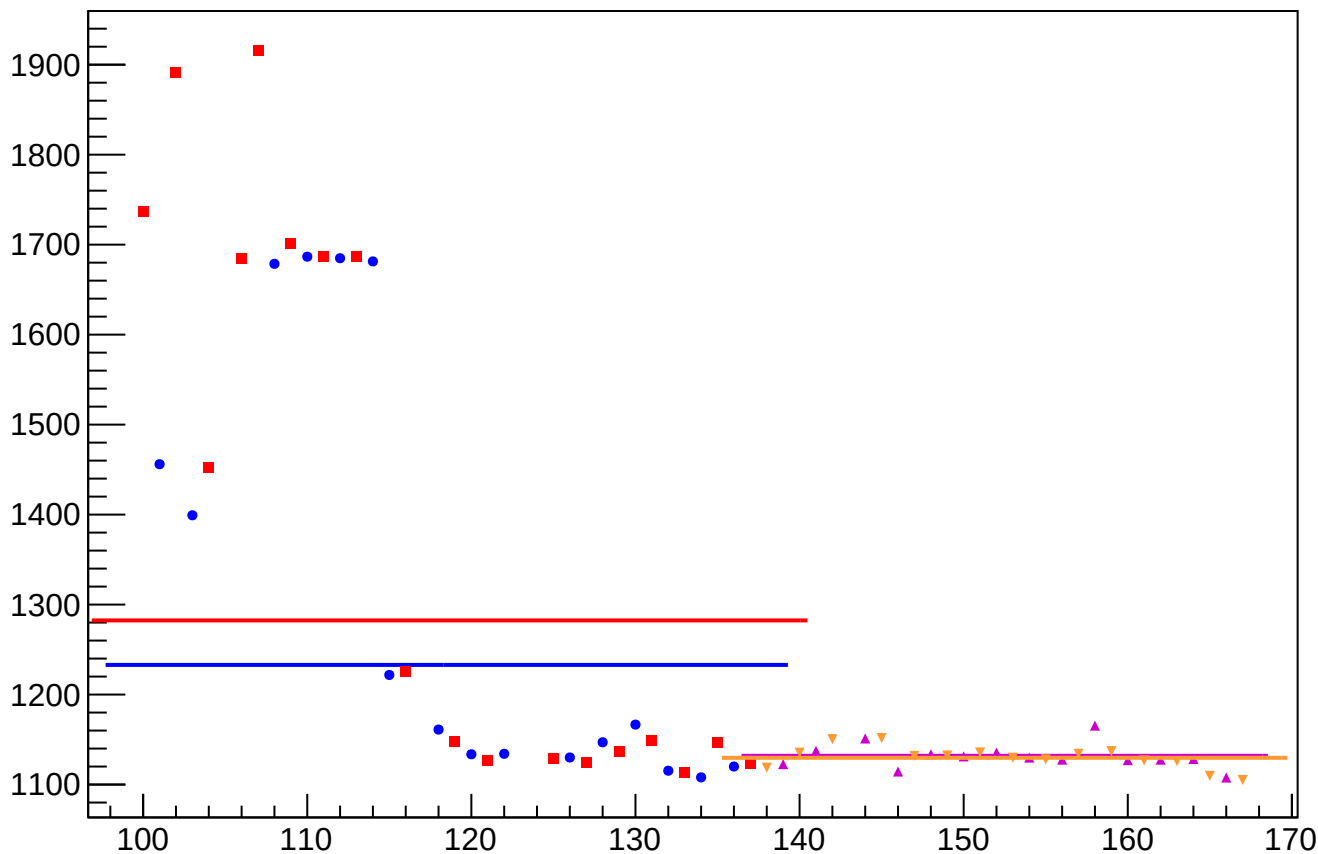
Left In: 55.411 ± 333.121 χ^2/NDF : 13.3/13

+ sign -47.973 ± 268.032 χ^2/NDF : 24.5/30

All: -52.263 ± 191.732 χ^2/NDF : 62.3/62

- sign -56.757 ± 274.378 χ^2/NDF : 37.9/31

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965 $\pm$ 0.328 χ^2 /NDF: 315470.2/15

Left Out: 1129.709 $\pm$ 0.232 χ^2 /NDF: 2462.8/14

Right Out: 1282.407 $\pm$ 0.342 χ^2 /NDF: 543403.2/17

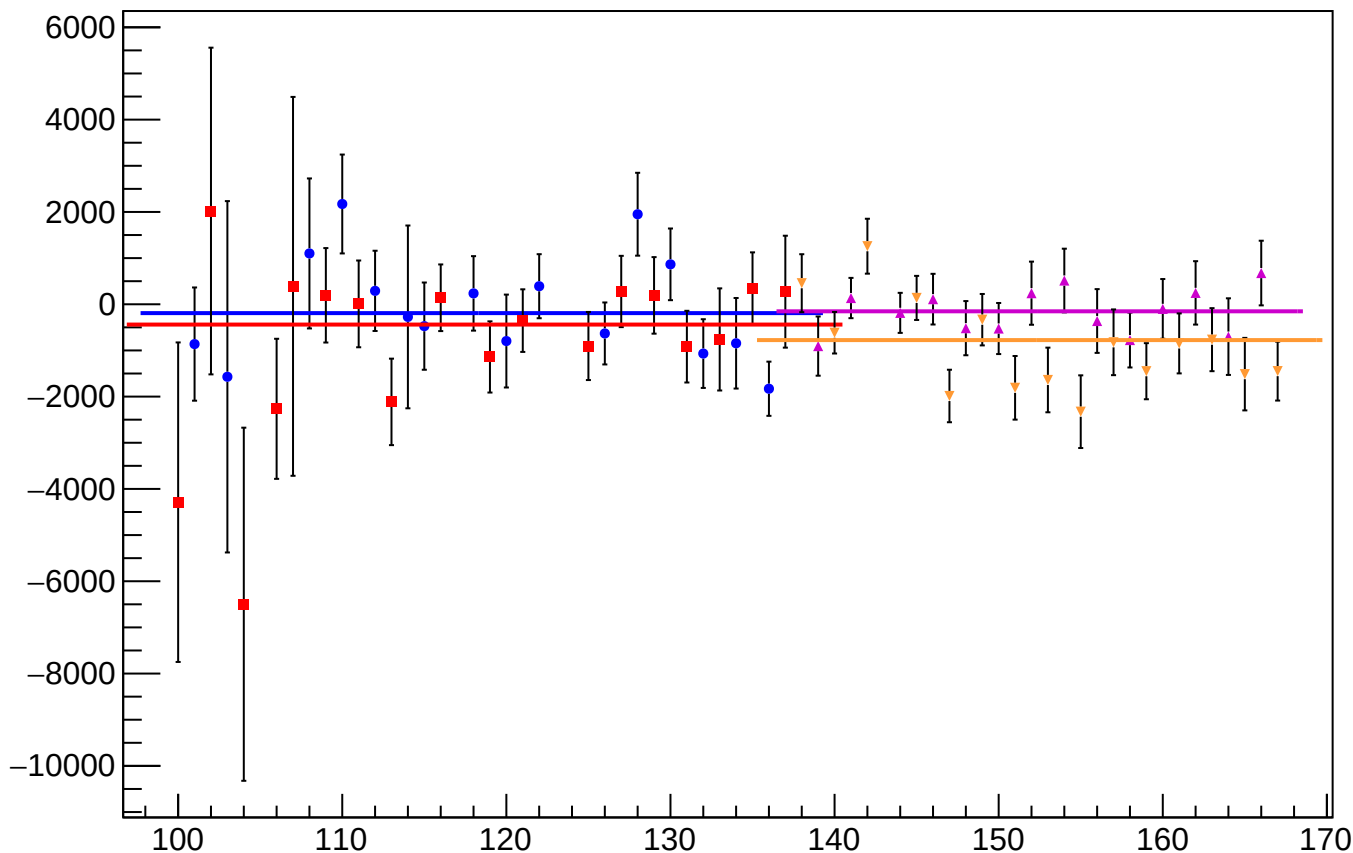
Left In: 1131.944 $\pm$ 0.236 χ^2 /NDF: 3228.6/13

+ sign 1164.281 $\pm$ 0.190 χ^2 /NDF: 384037.4/30

All: 1172.118 $\pm$ 0.136 χ^2 /NDF: 1065386.4/62

- sign 1180.331 $\pm$ 0.194 χ^2 /NDF: 677847.3/31

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527 ± 222.763 χ^2/NDF : 25.3/15

Left Out: -776.024 ± 158.035 χ^2/NDF : 35.4/14

Right Out: -439.611 ± 226.600 χ^2/NDF : 14.6/17

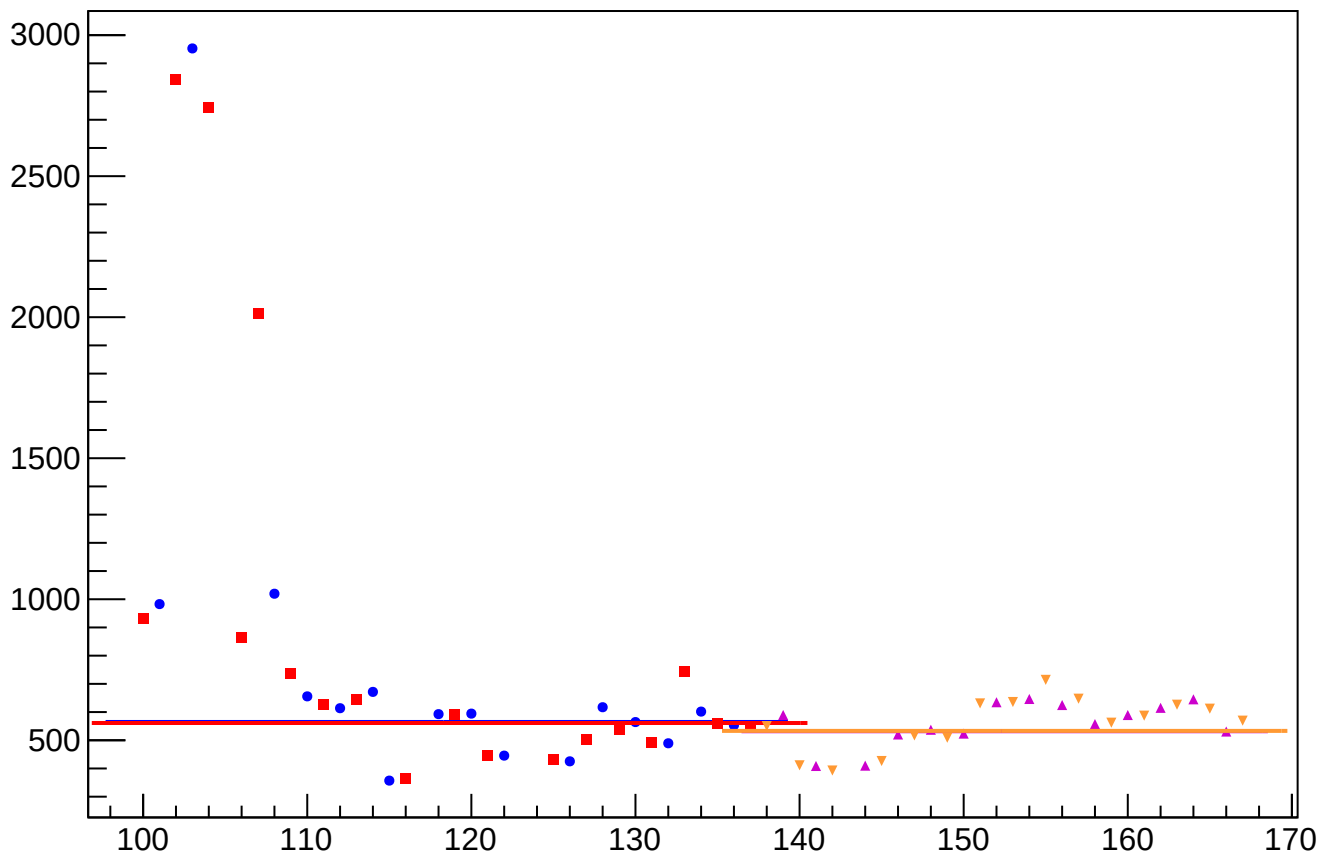
Left In: -152.507 ± 158.787 χ^2/NDF : 7.5/13

+ sign -580.338 ± 128.894 χ^2/NDF : 65.2/30

All: -415.171 ± 91.544 χ^2/NDF : 91.8/62

- sign -247.057 ± 130.038 χ^2/NDF : 23.3/31

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871 $\pm$ 0.158 χ^2 /NDF: 1480372.9/15

Left Out: 533.254 $\pm$ 0.112 χ^2 /NDF:687443.7/14

+ sign 543.839 $\pm$ 0.091 χ^2 /NDF: 2194616.8/30

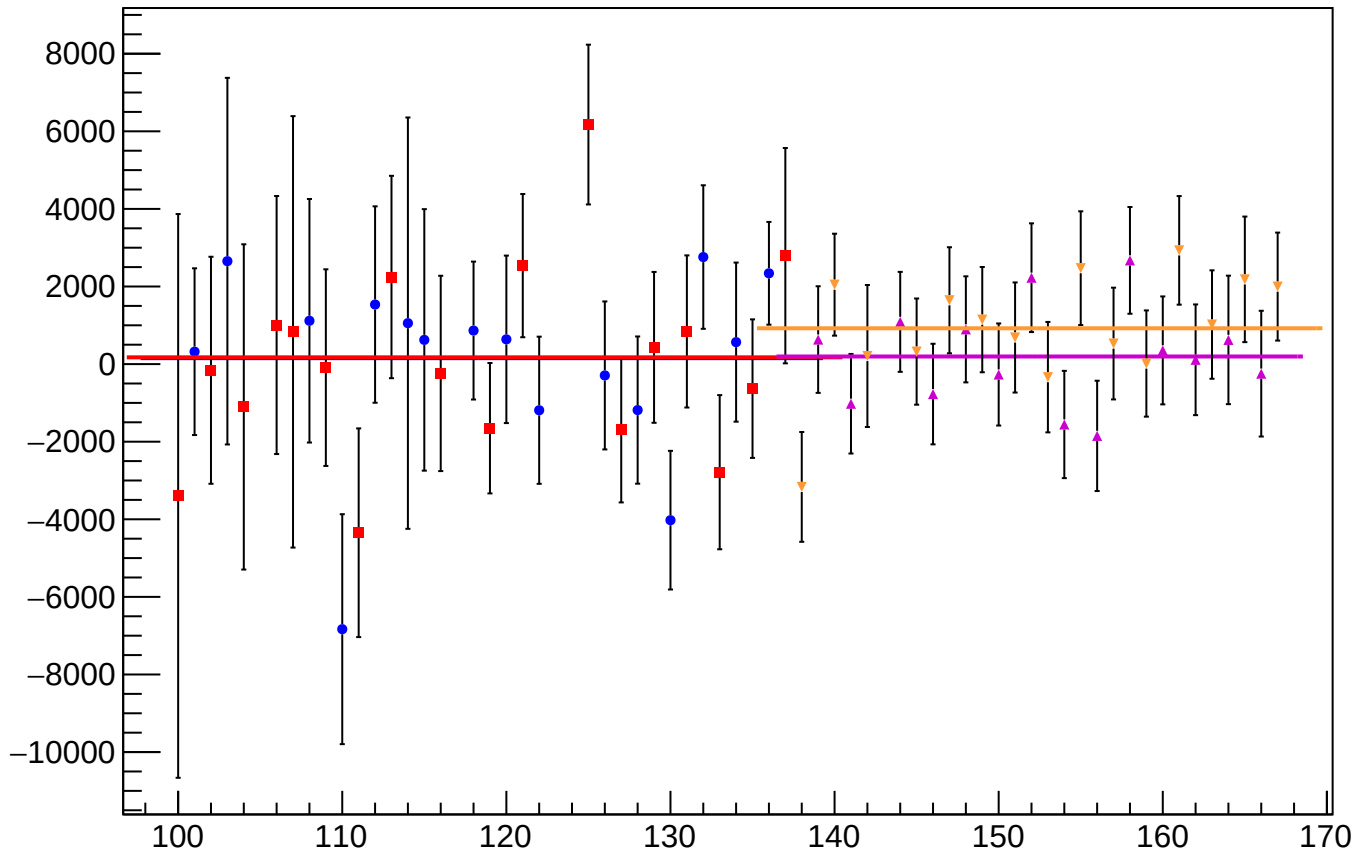
Right Out: 561.273 $\pm$ 0.160 χ^2 /NDF: 2273372.4/17

All: 542.745 $\pm$ 0.065 χ^2 /NDF: 5048204.2/62

Left In: 531.987 $\pm$ 0.112 χ^2 /NDF:557520.3/13

- sign 541.632 $\pm$ 0.092 χ^2 /NDF: 2853296.8/31

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF : 17.8/15

Left Out: 923.274+/-368.057 χ^2/NDF : 15.4/14

Right Out: 174.319+/-550.153 χ^2/NDF : 19.7/17

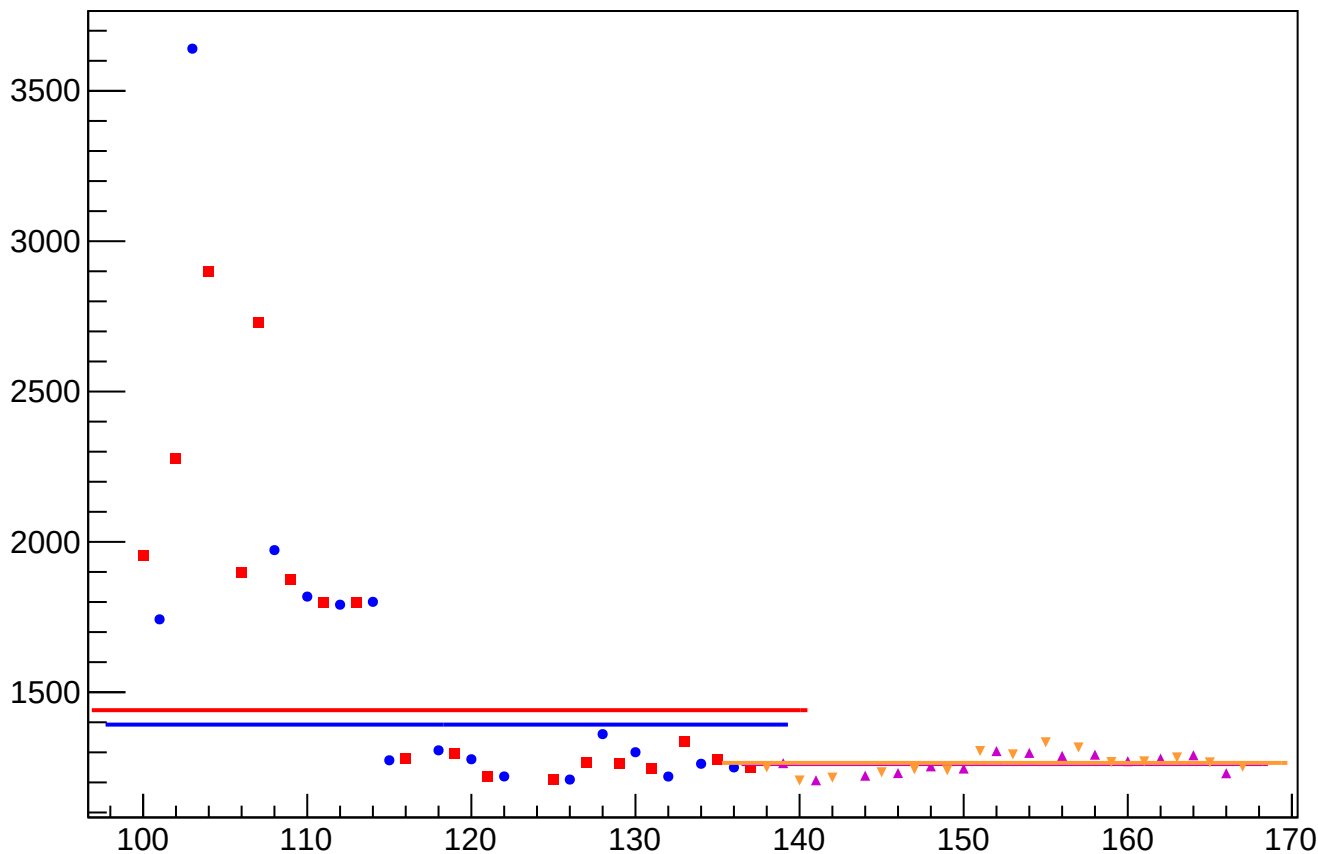
Left In: 196.127+/-371.225 χ^2/NDF : 11.6/13

+ sign 674.117+/-302.698 χ^2/NDF : 34.6/30

All: 435.701+/-215.794 χ^2/NDF : 67.2/62

- sign 189.304+/-307.723 χ^2/NDF : 31.3/31

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF : 779240.9/15

Left Out: 1264.919+/-0.260 χ^2/NDF : 17602.3/14

Right Out: 1440.222+/-0.389 χ^2/NDF : 854885.8/17

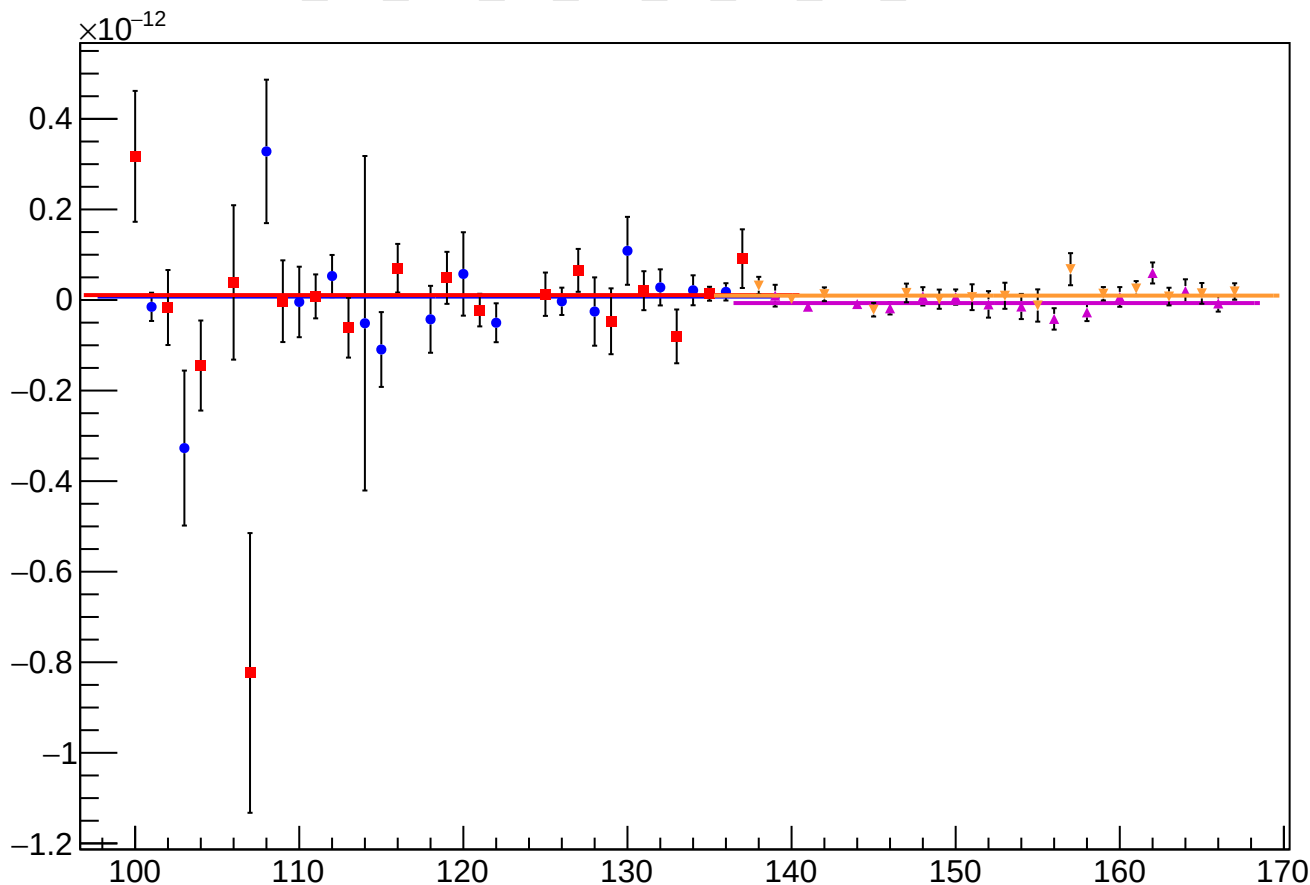
Left In: 1261.049+/-0.262 χ^2/NDF : 13587.5/13

+ sign 1306.142+/-0.214 χ^2/NDF : 874367.2/30

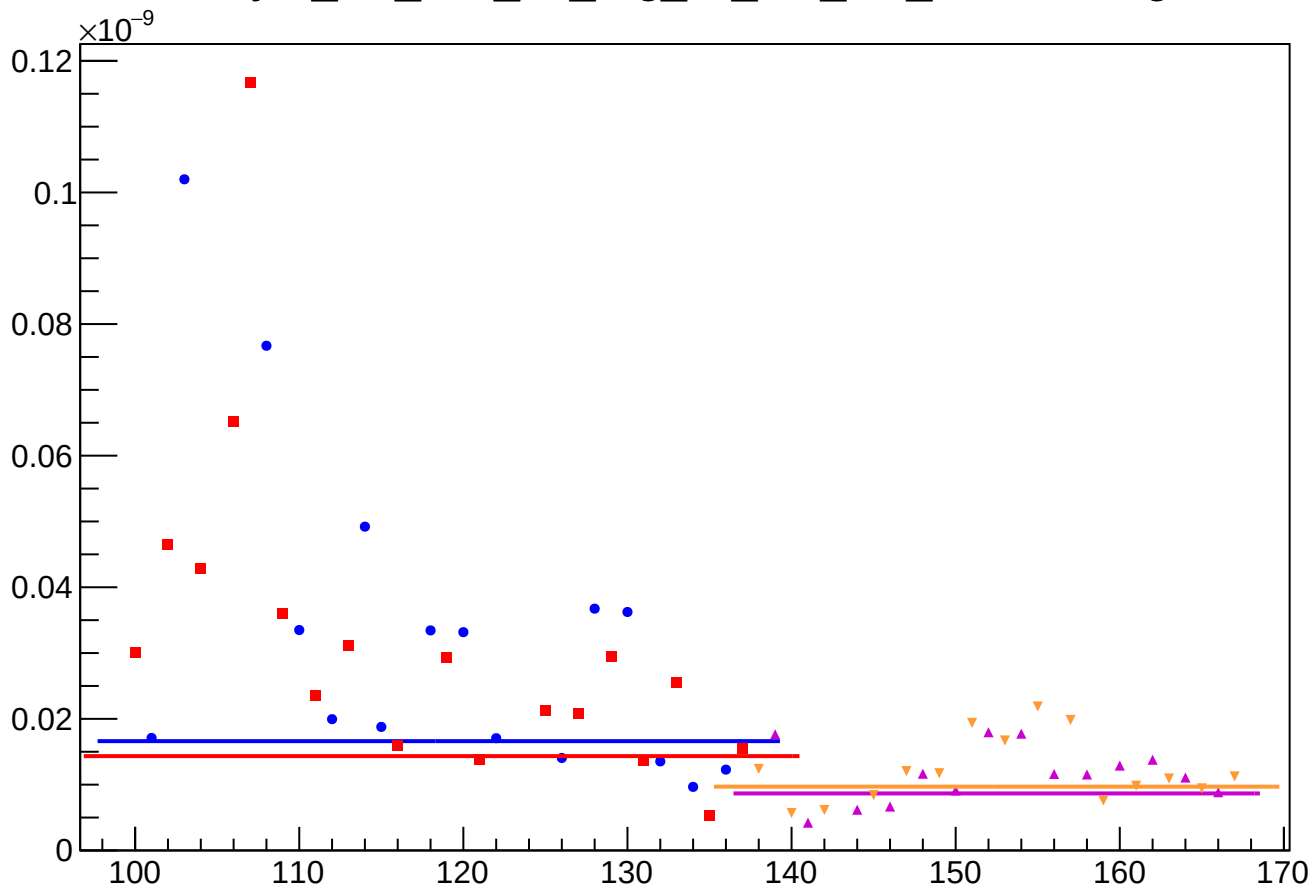
All: 1311.534+/-0.153 χ^2/NDF : 1889895.0/62

- sign 1317.106+/-0.218 χ^2/NDF : 1014237.6/31

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



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:1278393.4/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2258014.9/17

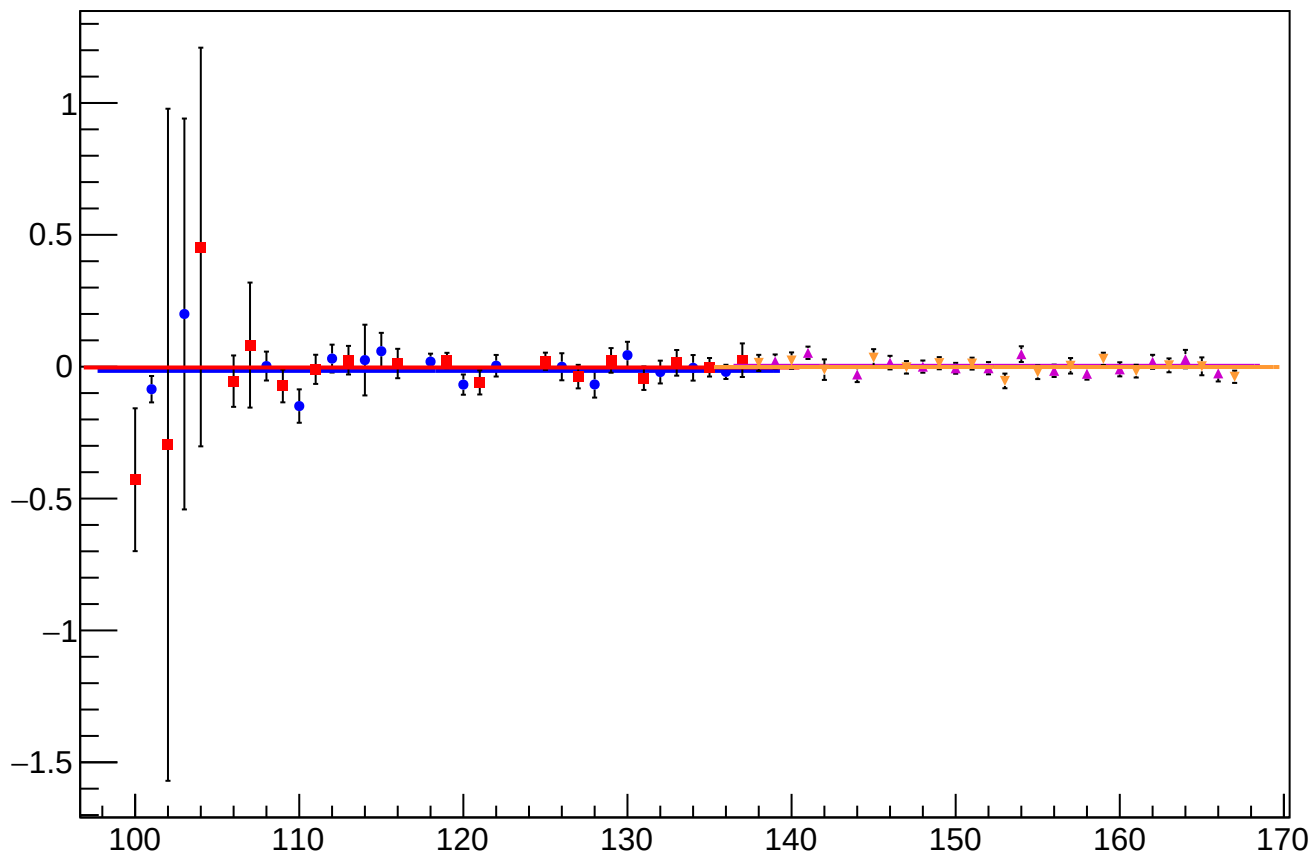
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1608334.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3530679.9/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7969242.6/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4350221.2/31

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: -0.001 ± 0.007 χ^2/NDF : 11.8/14

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

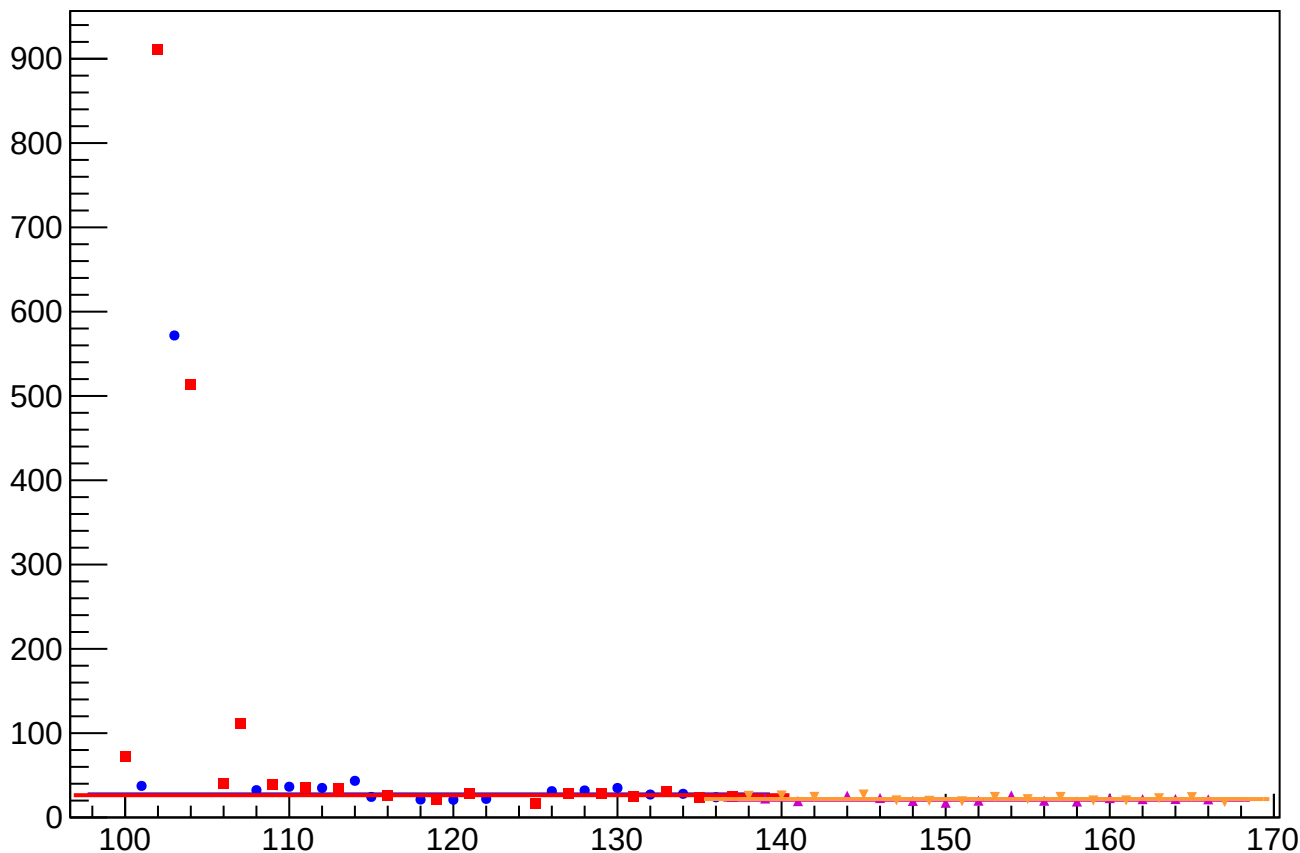
Left In: 0.003 ± 0.007 χ^2/NDF : 13.3/13

+ sign -0.005 ± 0.006 χ^2/NDF : 27.6/30

All: -0.002 ± 0.004 χ^2/NDF : 51.7/62

- sign 0.002 ± 0.006 χ^2/NDF : 23.4/31

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: 21.801+/-0.005 χ^2/NDF : 291982.2/14

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

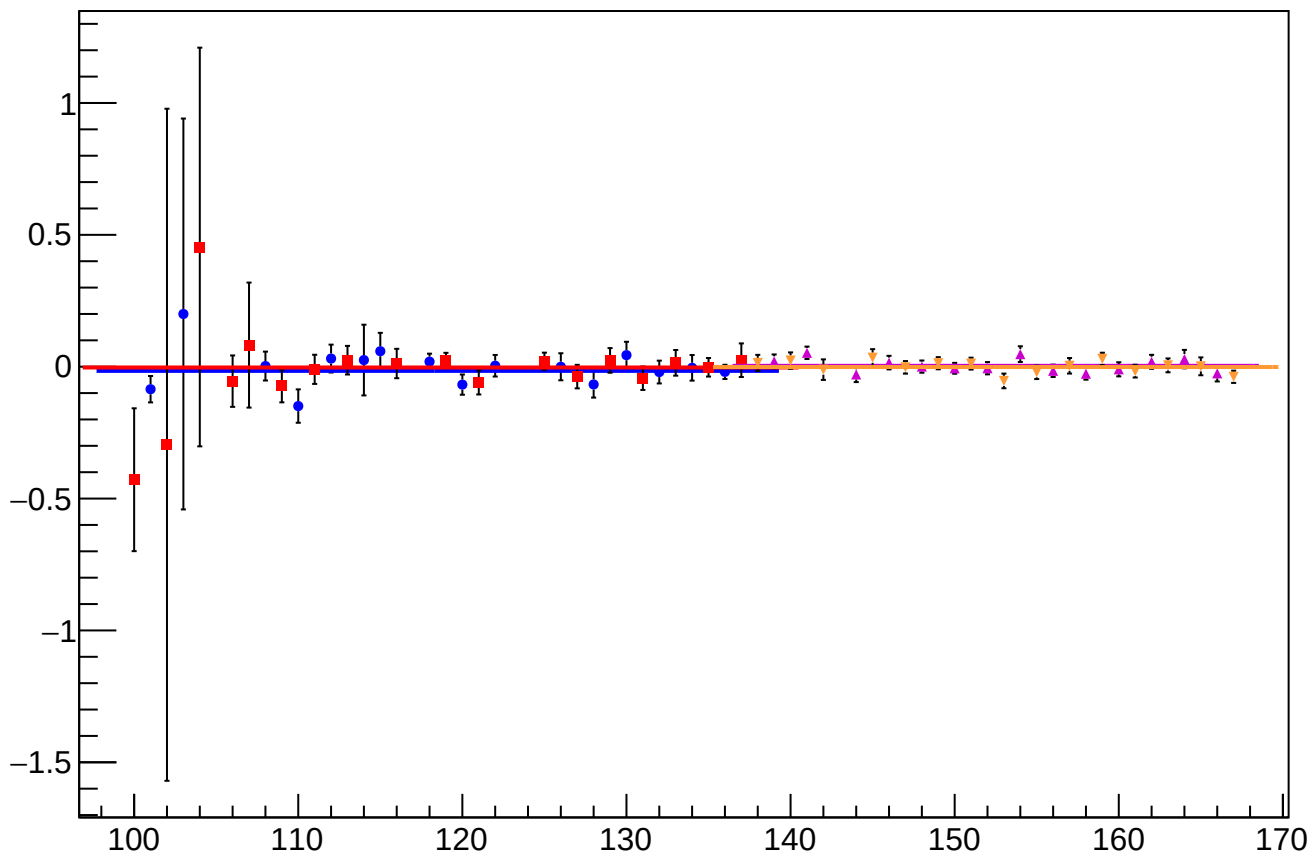
Left In: 20.984+/-0.005 χ^2/NDF : 250884.5/13

+ sign 23.247+/-0.004 χ^2/NDF : 2194614.9/30

All: 22.771+/-0.003 χ^2/NDF : 5393495.1/62

- sign 22.297+/-0.004 χ^2/NDF : 3173111.8/31

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: -0.001 ± 0.007 χ^2/NDF : 11.8/14

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

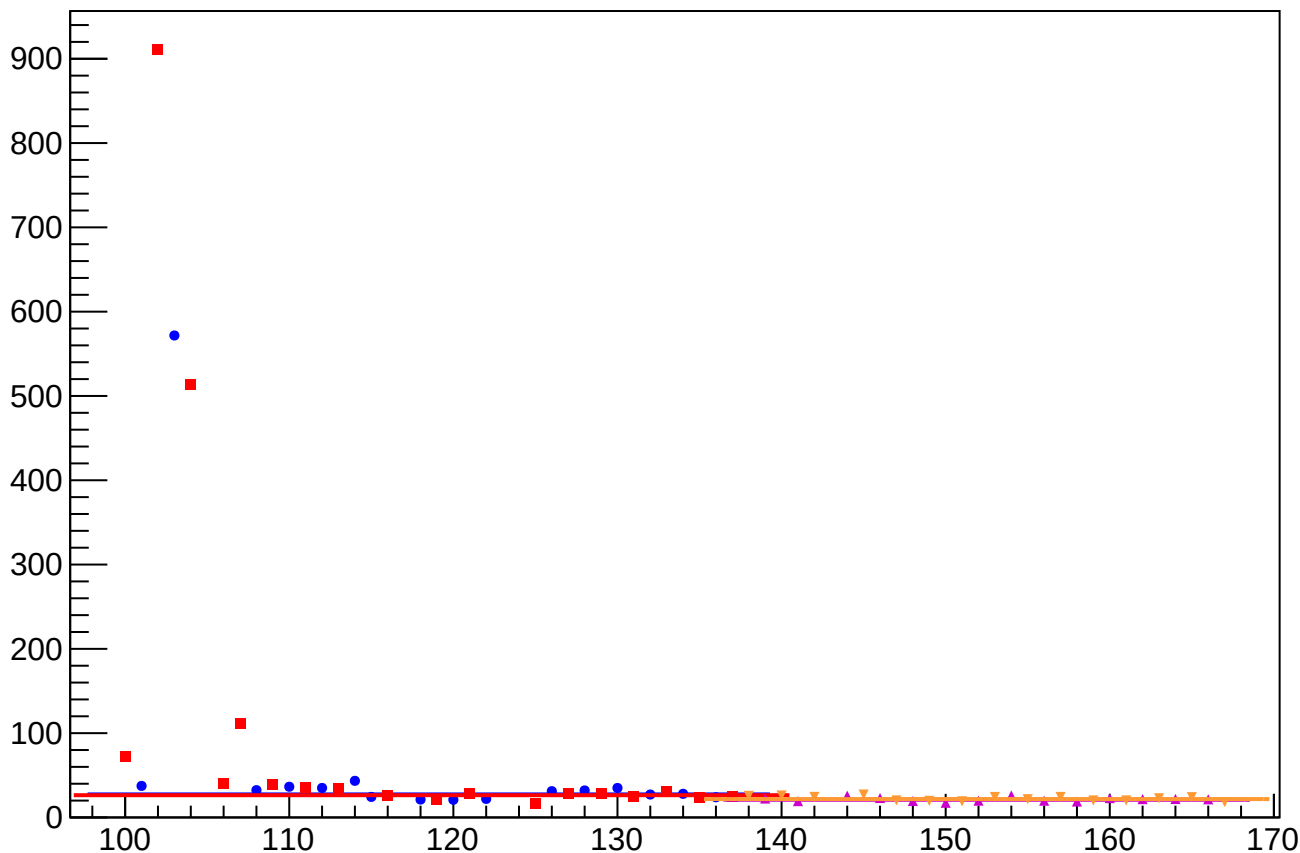
Left In: 0.003 ± 0.007 χ^2/NDF : 13.3/13

+ sign -0.005 ± 0.006 χ^2/NDF : 27.6/30

All: -0.002 ± 0.004 χ^2/NDF : 51.7/62

- sign 0.002 ± 0.006 χ^2/NDF : 23.4/31

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305 $\pm$ 0.008 χ^2 /NDF: 1568329.0/15

Left Out: 21.801 $\pm$ 0.005 χ^2 /NDF: 291982.2/14

Right Out: 26.400 $\pm$ 0.009 χ^2 /NDF: 2614691.8/17

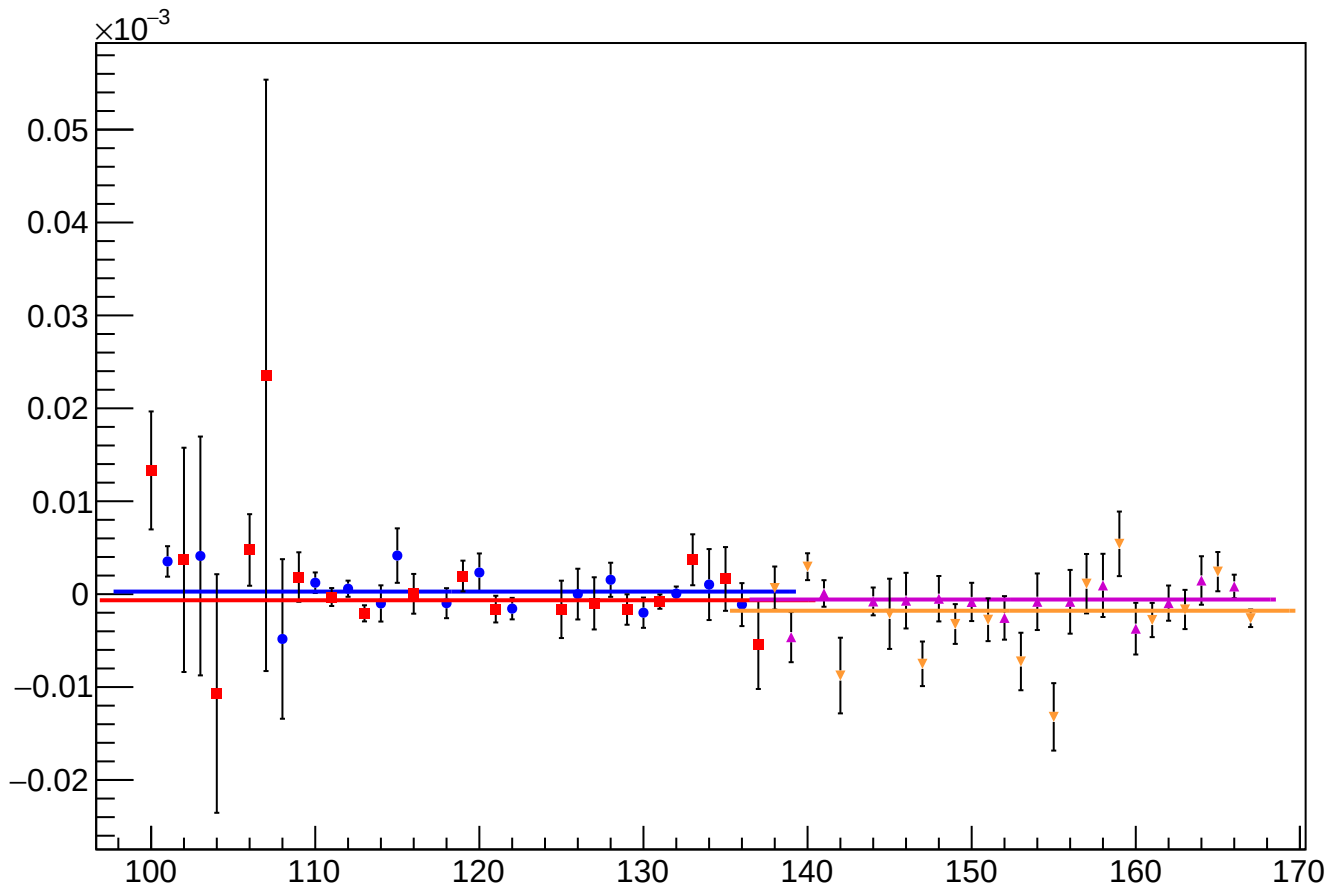
Left In: 20.984 $\pm$ 0.005 χ^2 /NDF: 250884.5/13

+ sign 23.247 $\pm$ 0.004 χ^2 /NDF: 2194614.9/30

All: 22.771 $\pm$ 0.003 χ^2 /NDF: 5393495.1/62

- sign 22.297 $\pm$ 0.004 χ^2 /NDF: 3173111.8/31

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 : 44.2/14

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 19.3/17

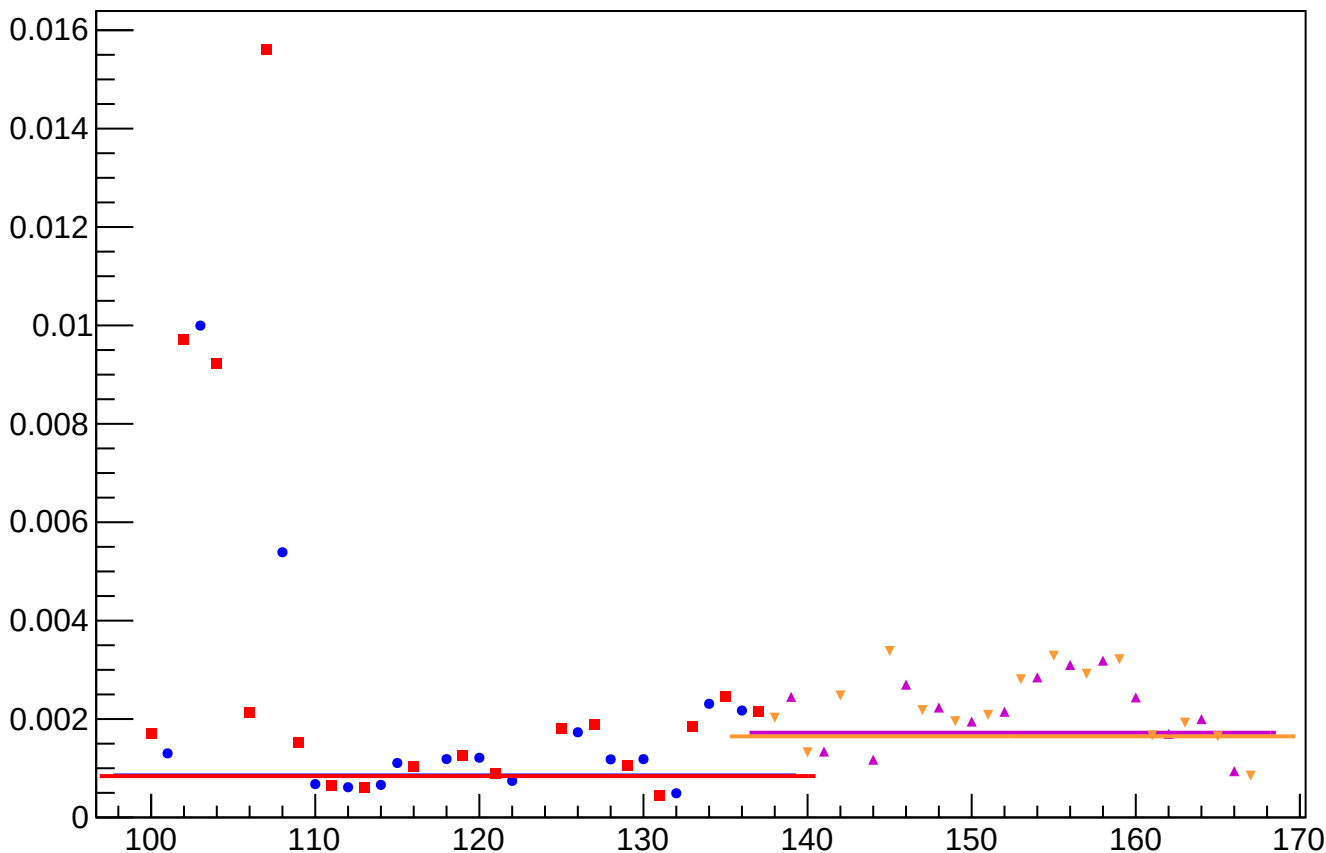
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 6.6/13

+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 68.8/30

All: -0.000 $\pm$ 0.000 χ^2/NDF : 94.9/62

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 25.9/31

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 : 3750162.3/14

Right Out: 0.001+/-0.000 χ^2/NDF : 5039455.2/17

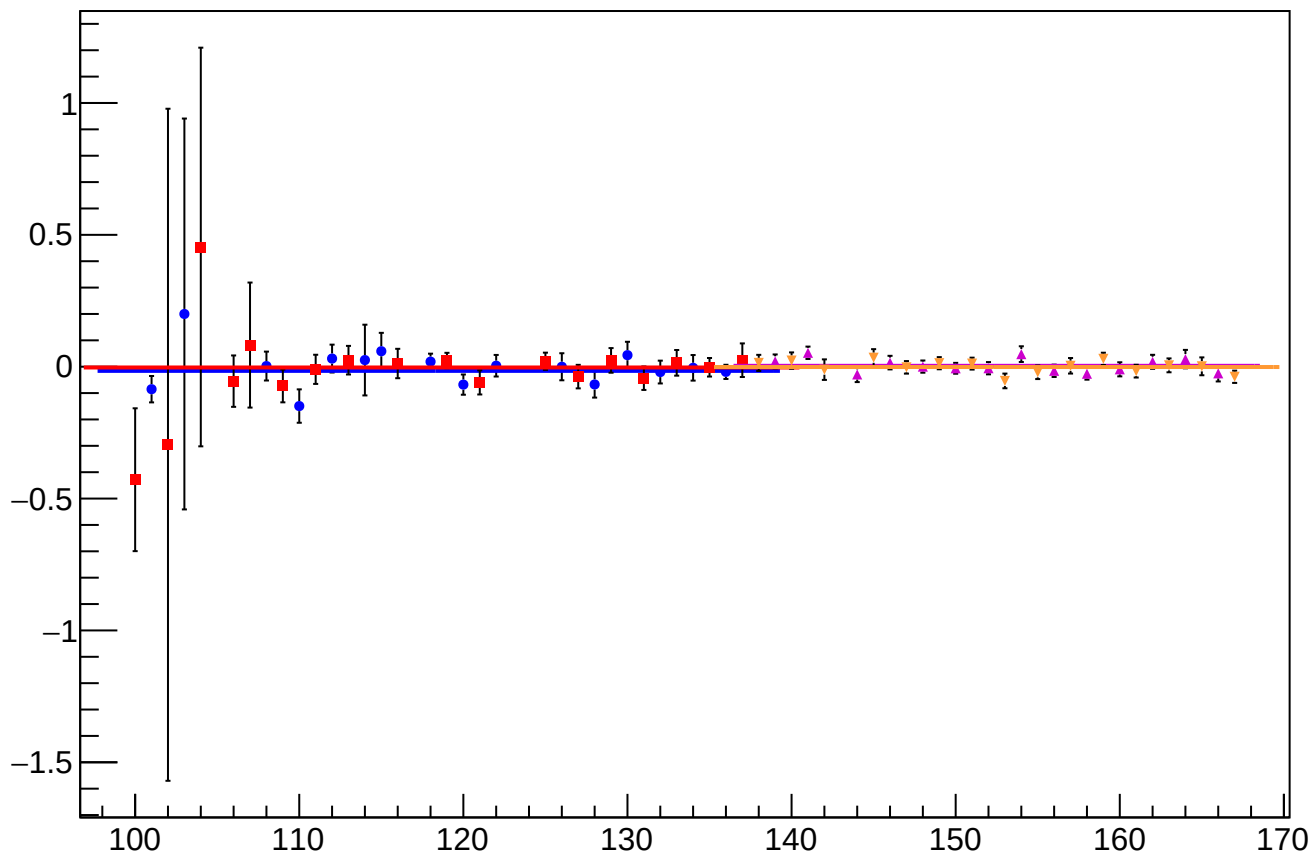
Left In: 0.002+/-0.000 χ^2/NDF : 2833641.1/13

+ sign 0.001+/-0.000 χ^2/NDF : 10628943.6/30

All: 0.001+/-0.000 χ^2/NDF : 21817184.7/62

- sign 0.001+/-0.000 χ^2/NDF : 11185004.2/31

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: -0.001 ± 0.007 χ^2/NDF : 11.8/14

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

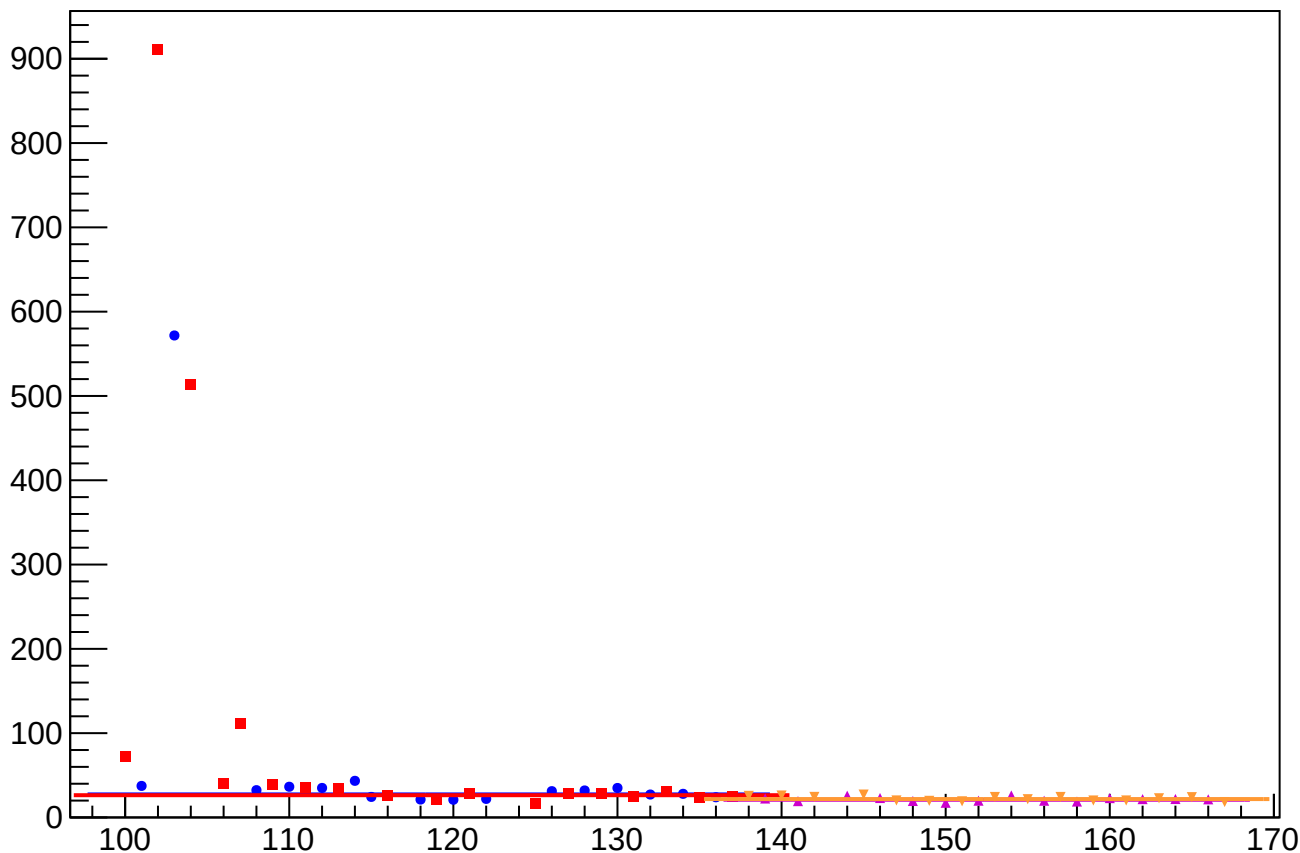
Left In: 0.003 ± 0.007 χ^2/NDF : 13.3/13

+ sign -0.005 ± 0.006 χ^2/NDF : 27.6/30

All: -0.002 ± 0.004 χ^2/NDF : 51.7/62

- sign 0.002 ± 0.006 χ^2/NDF : 23.4/31

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305 $\pm$ 0.008 χ^2 /NDF: 1568325.9/15

Left Out: 21.801 $\pm$ 0.005 χ^2 /NDF: 291961.3/14

Right Out: 26.400 $\pm$ 0.009 χ^2 /NDF: 2614710.8/17

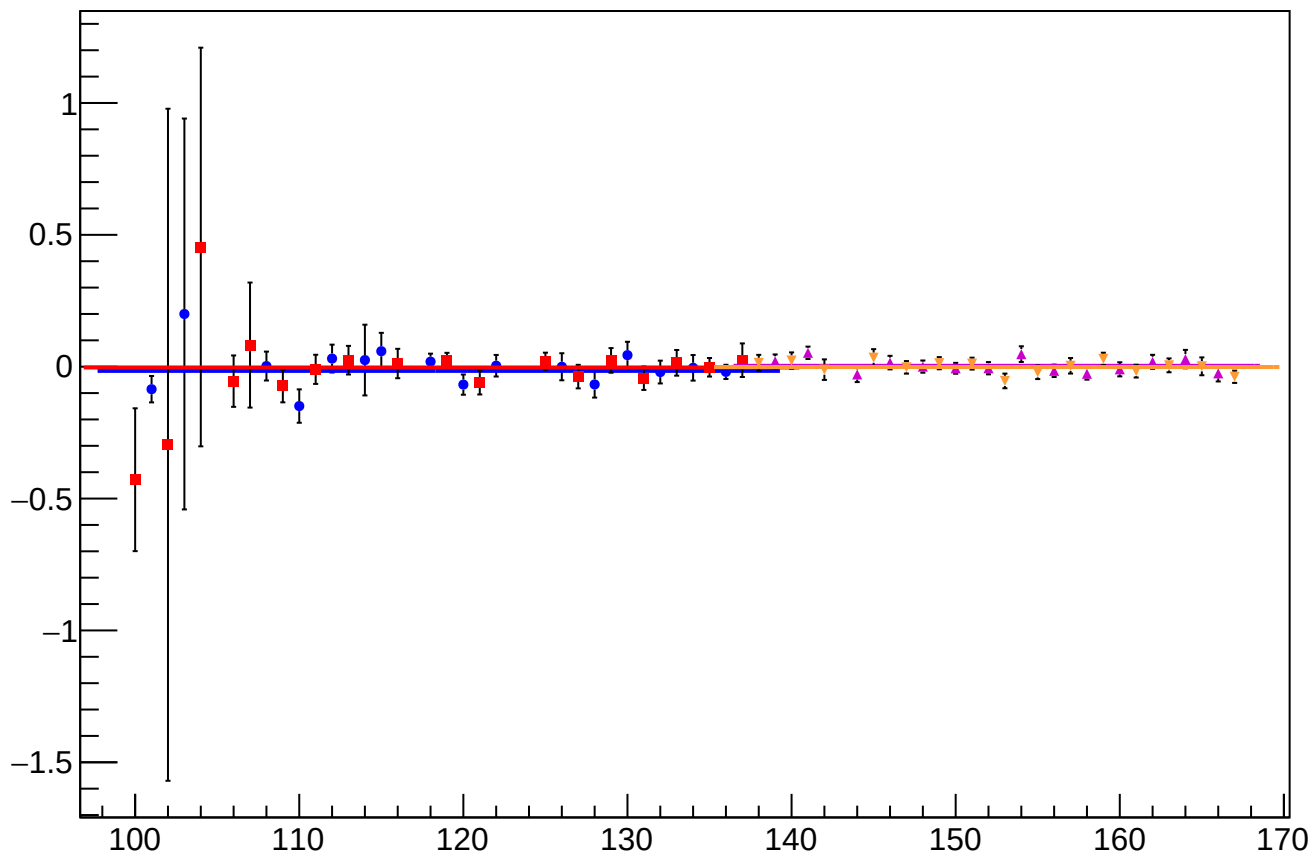
Left In: 20.984 $\pm$ 0.005 χ^2 /NDF: 250902.4/13

+ sign 23.247 $\pm$ 0.004 χ^2 /NDF: 2194600.1/30

All: 22.771 $\pm$ 0.003 χ^2 /NDF: 5393512.1/62

- sign 22.297 $\pm$ 0.004 χ^2 /NDF: 3173147.3/31

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: -0.001 ± 0.007 χ^2/NDF : 11.8/14

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

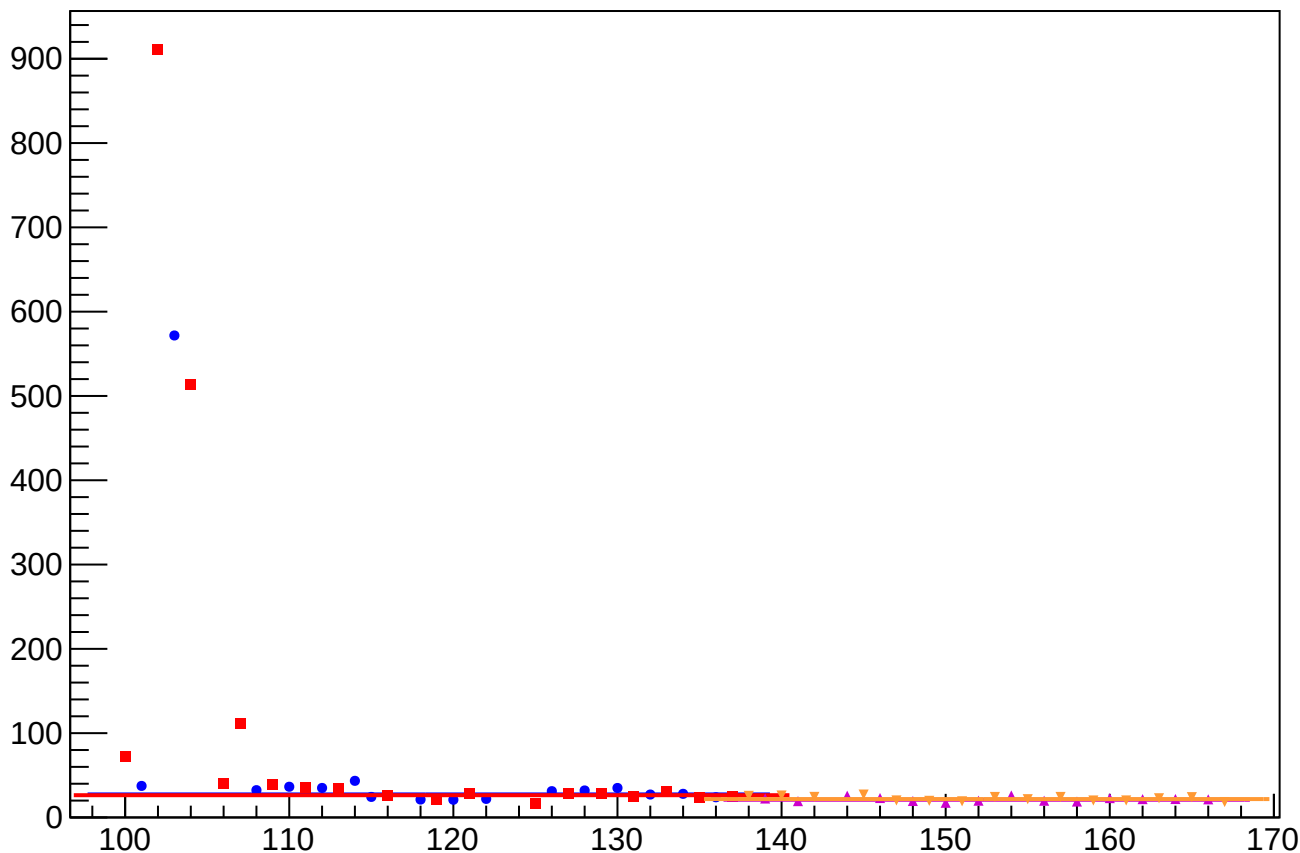
Left In: 0.003 ± 0.007 χ^2/NDF : 13.3/13

+ sign -0.005 ± 0.006 χ^2/NDF : 27.6/30

All: -0.002 ± 0.004 χ^2/NDF : 51.7/62

- sign 0.002 ± 0.006 χ^2/NDF : 23.4/31

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305 $\pm$ 0.008 χ^2 /NDF: 1568325.9/15

Left Out: 21.801 $\pm$ 0.005 χ^2 /NDF: 291961.3/14

Right Out: 26.400 $\pm$ 0.009 χ^2 /NDF: 2614710.8/17

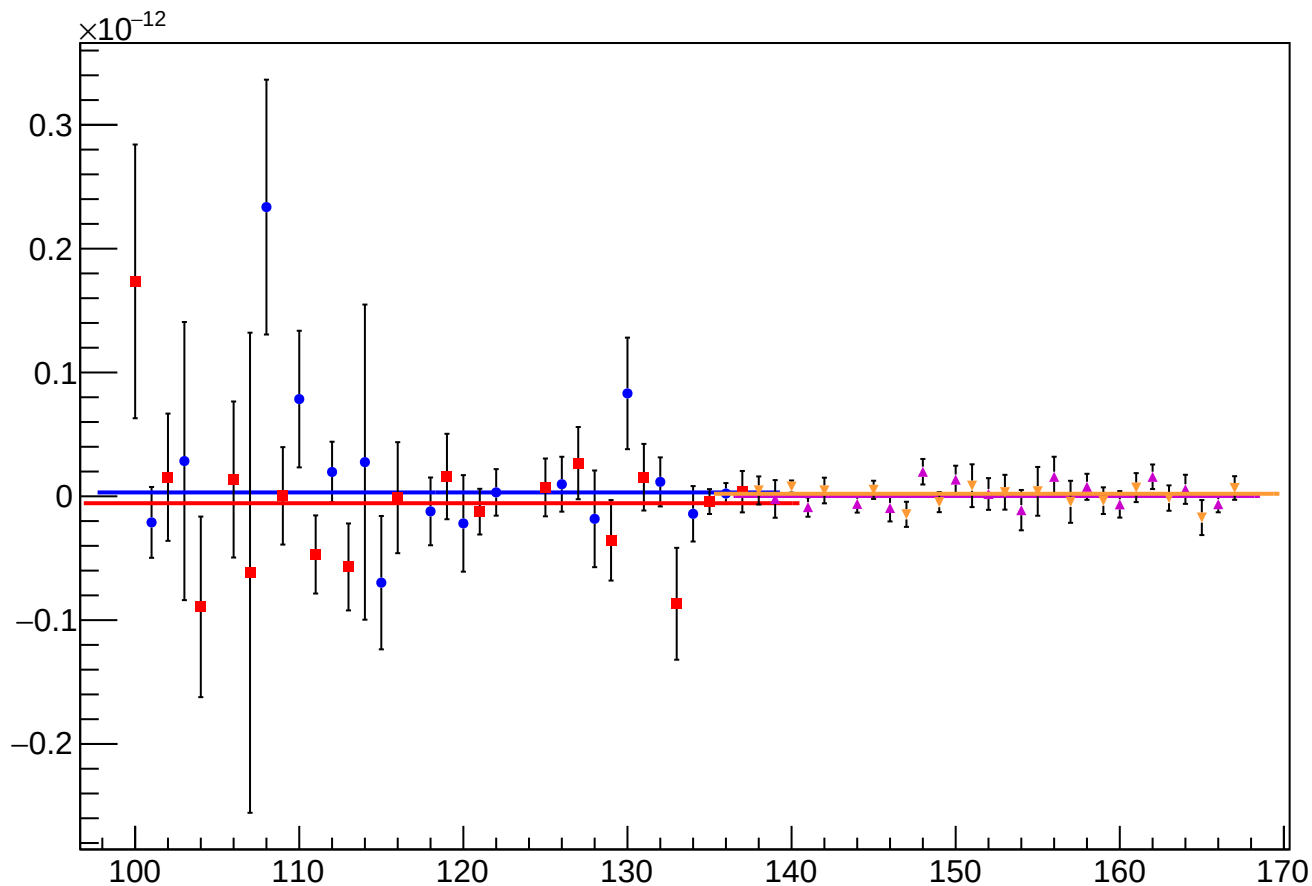
Left In: 20.984 $\pm$ 0.005 χ^2 /NDF: 250902.4/13

+ sign 23.247 $\pm$ 0.004 χ^2 /NDF: 2194600.1/30

All: 22.771 $\pm$ 0.003 χ^2 /NDF: 5393512.1/62

- sign 22.297 $\pm$ 0.004 χ^2 /NDF: 3173147.3/31

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:8.0/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/17

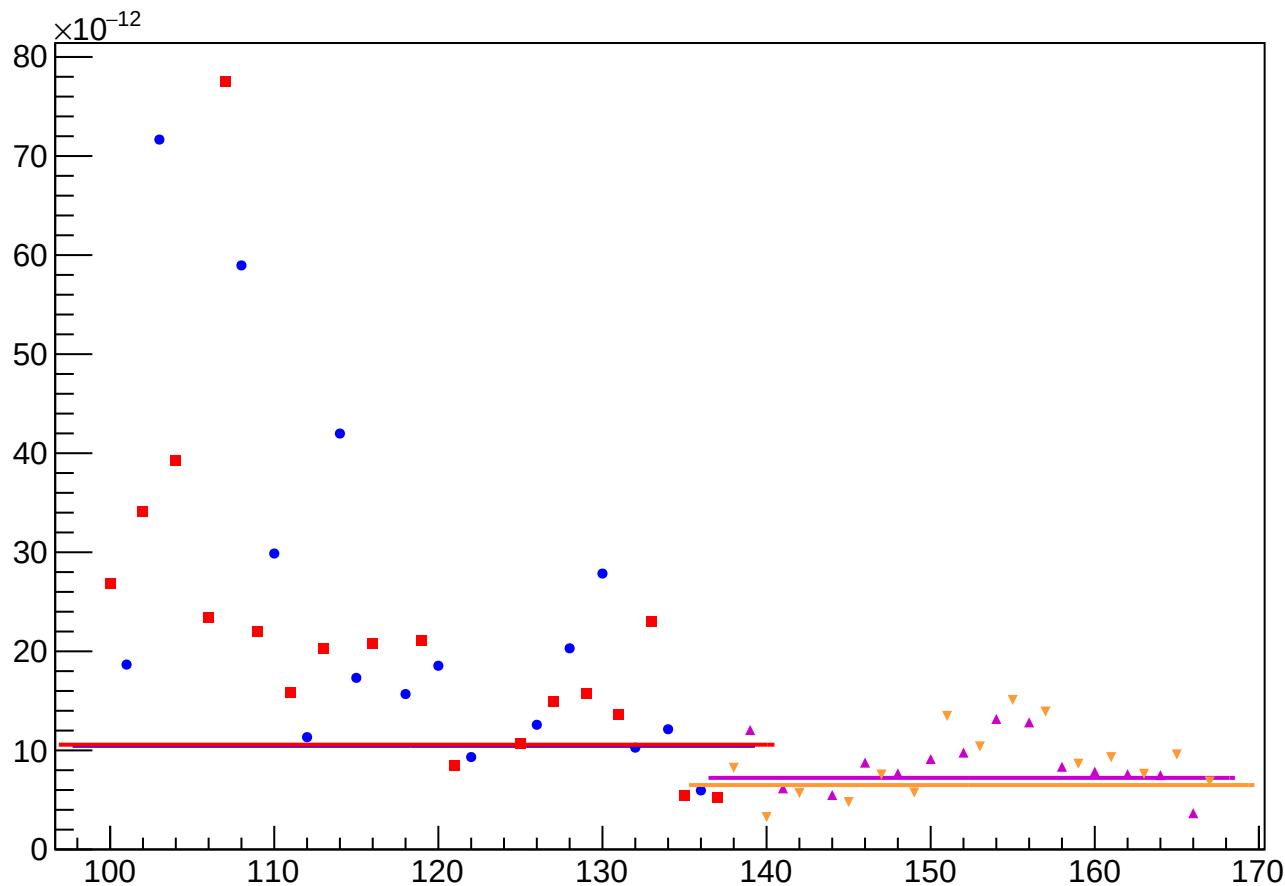
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 53.8/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/31

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2634905.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2771384.1/17

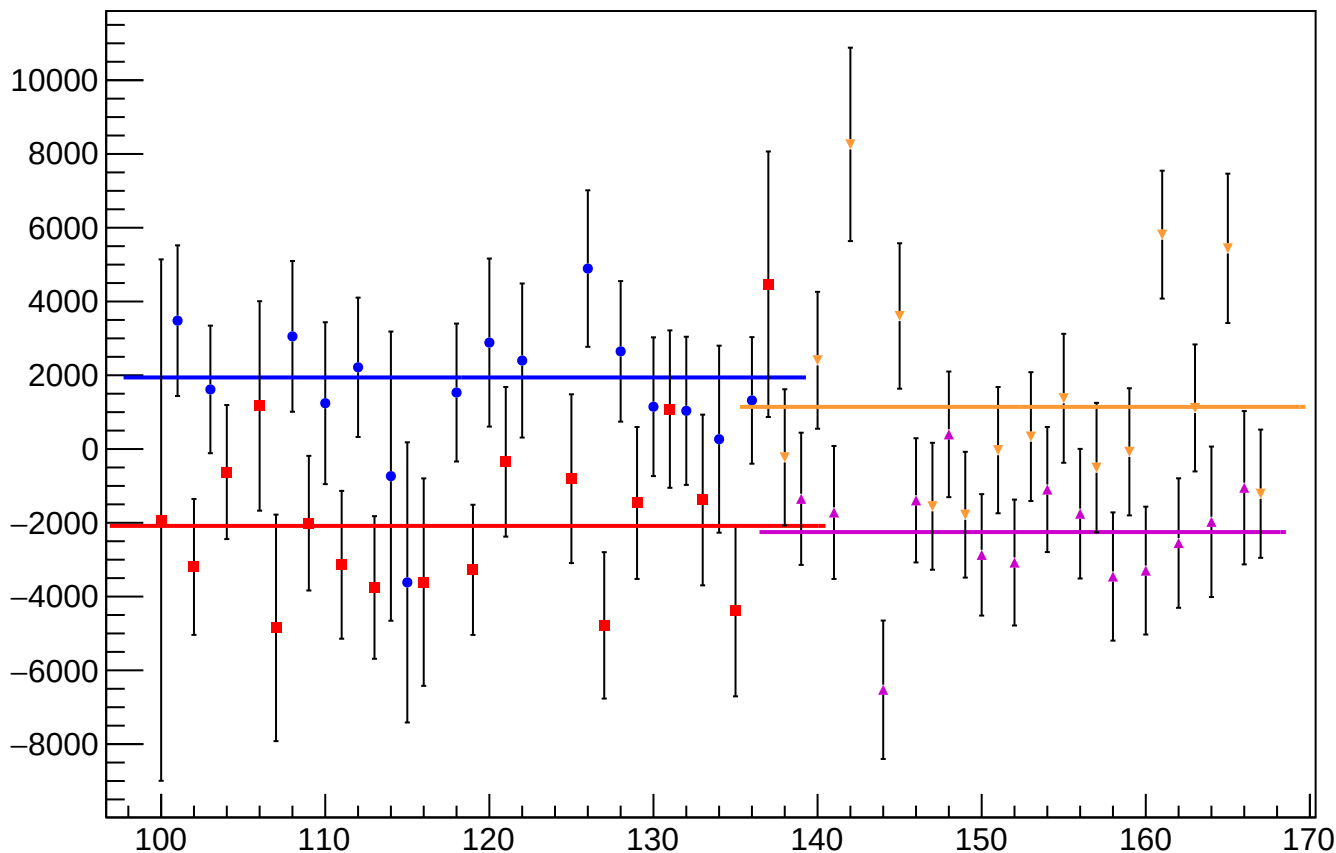
Left In: 0.000+/-0.000 χ^2/NDF : 1669267.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 6230028.2/30

All: 0.000+/-0.000 χ^2/NDF : 11248937.7/62

- sign 0.000+/-0.000 χ^2/NDF : 4948230.5/31

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF : 6.9/15

Left Out: 1142.715+/-467.743 χ^2/NDF : 31.0/14

Right Out: -2083.952+/-519.583 χ^2/NDF : 14.5/17

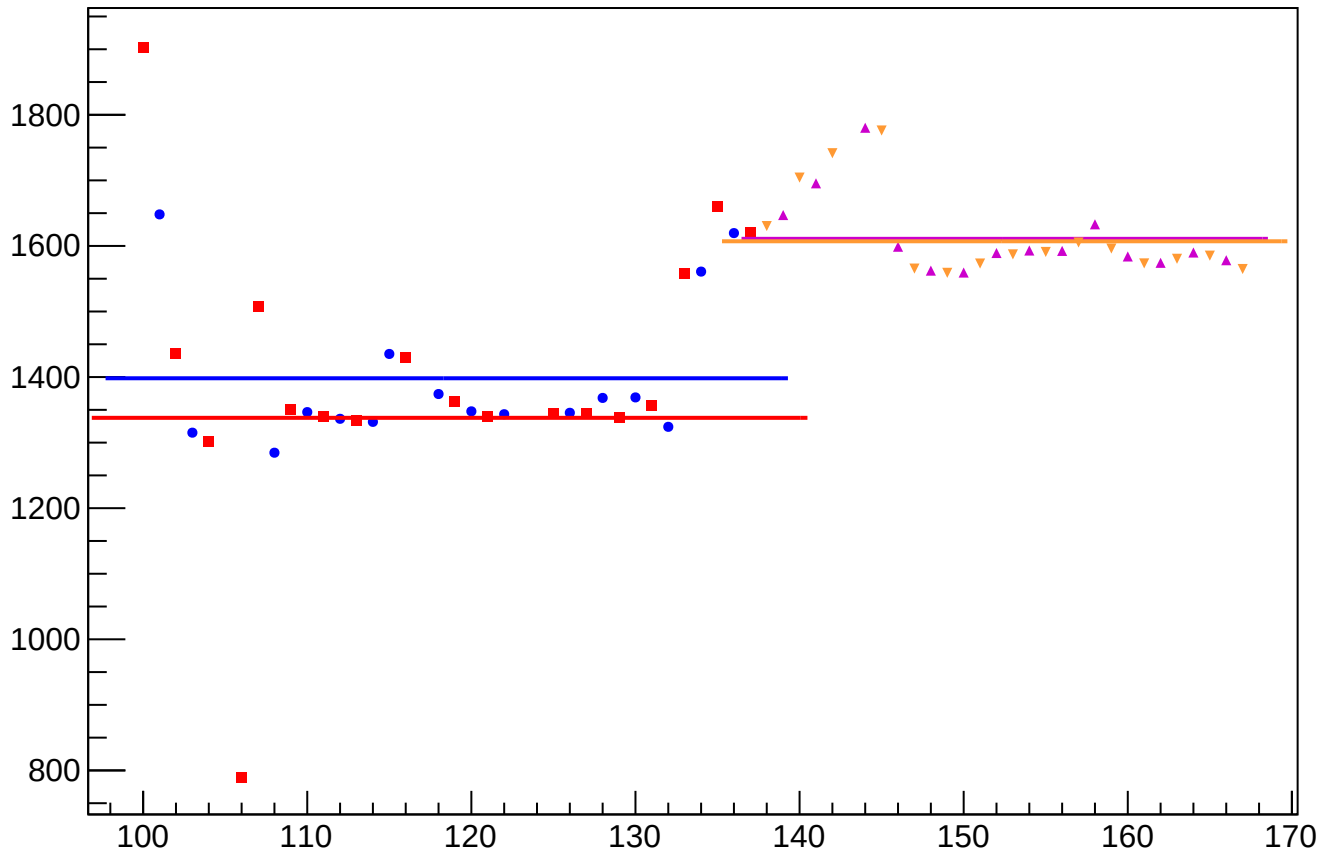
Left In: -2251.431+/-474.364 χ^2/NDF : 10.4/13

+ sign 1498.085+/-348.404 χ^2/NDF : 39.2/30

All: -328.513+/-247.035 χ^2/NDF : 119.4/62

- sign -2175.295+/-350.324 χ^2/NDF : 24.9/31

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF : 32461.6/14

Right Out: 1337.819+/-0.356 χ^2/NDF : 317763.3/17

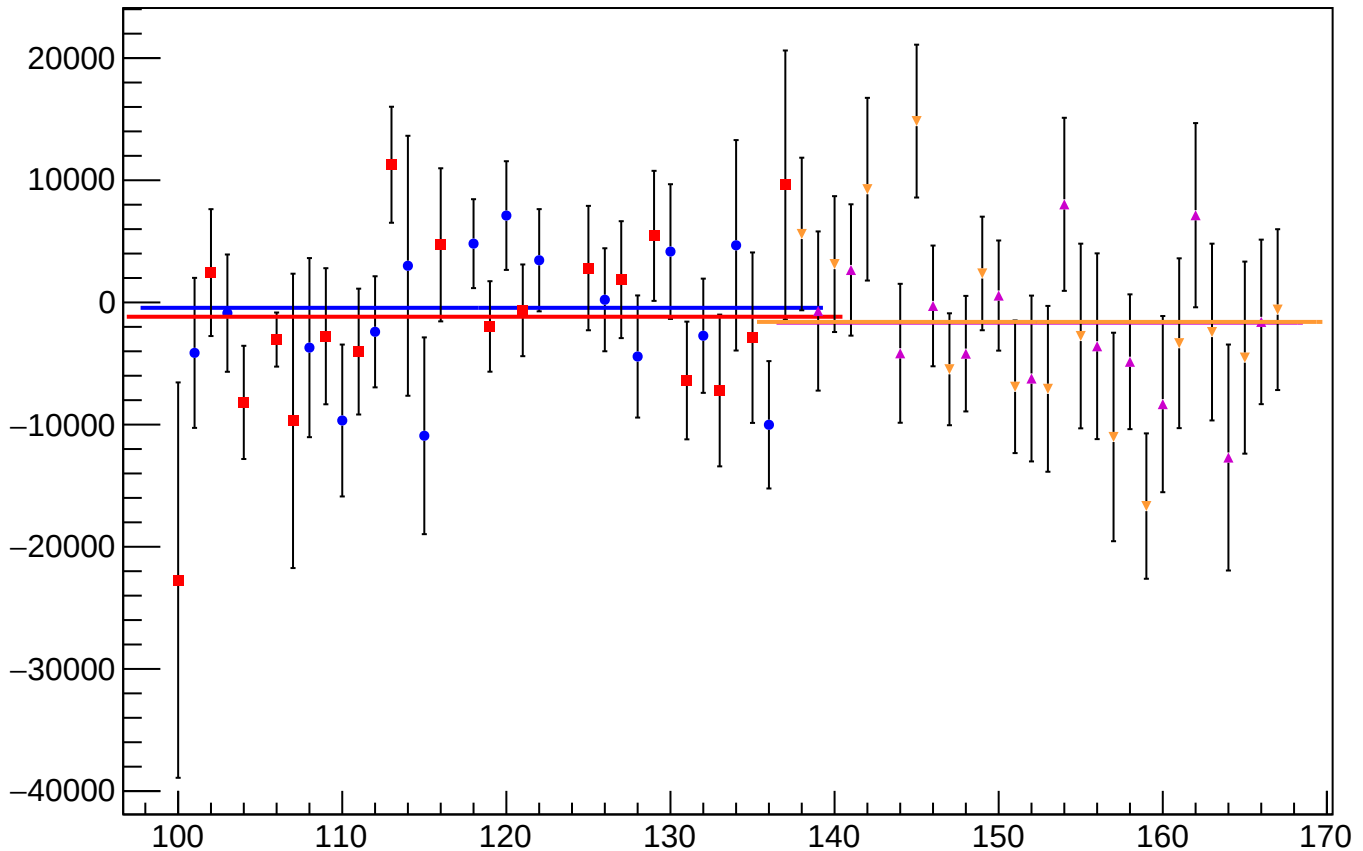
Left In: 1610.840+/-0.335 χ^2/NDF : 28357.0/13

+ sign 1514.094+/-0.246 χ^2/NDF : 304074.0/30

All: 1498.107+/-0.173 χ^2/NDF : 970190.5/62

- sign 1482.411+/-0.244 χ^2/NDF : 657771.0/31

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -441.138 ± 1295.916 $\chi^2/\text{NDF}: 15.9/15$

Left Out: -1594.068 ± 1602.224 $\chi^2/\text{NDF}: 22.0/14$

Right Out: -1171.548 ± 1119.890 $\chi^2/\text{NDF}: 19.7/17$

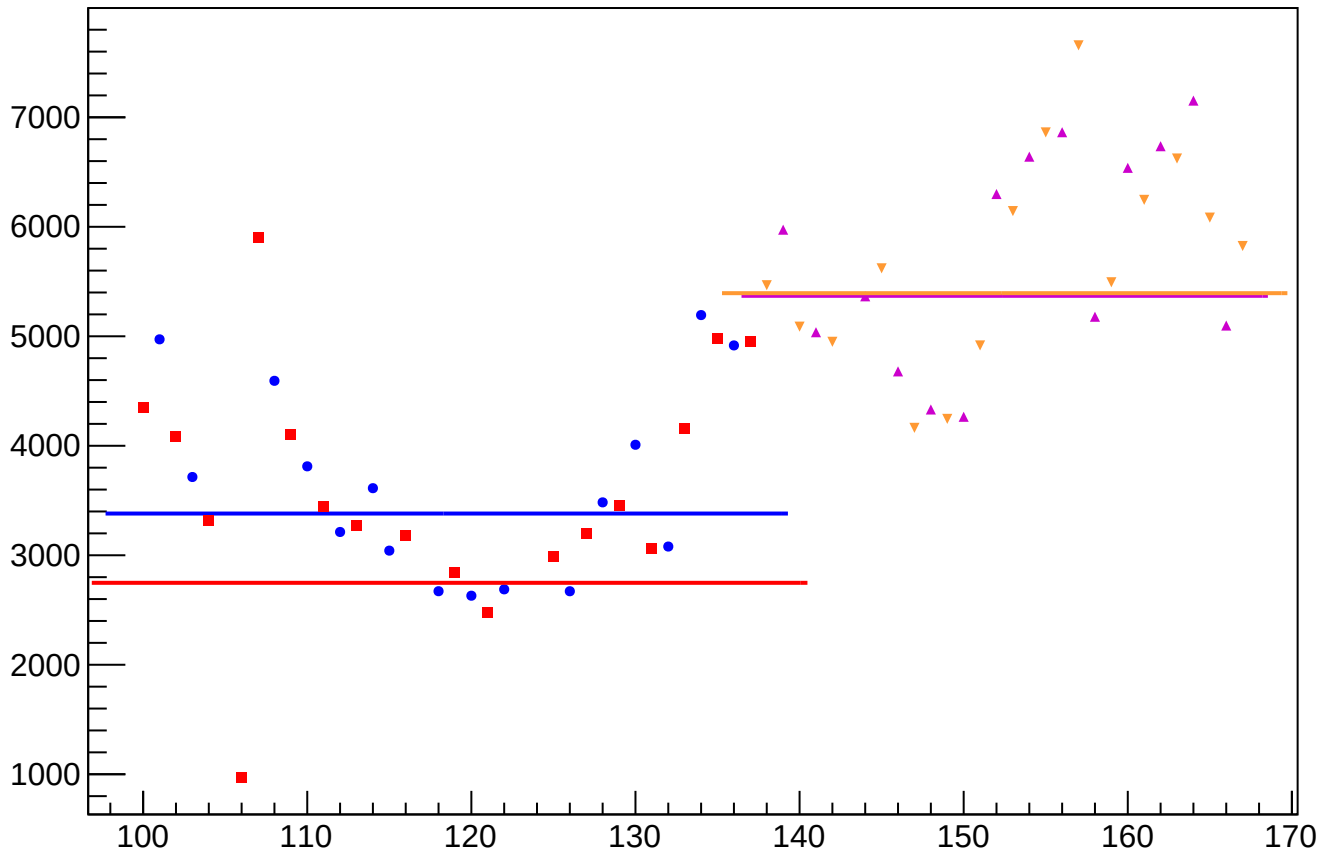
Left In: -1655.394 ± 1608.854 $\chi^2/\text{NDF}: 7.8/13$

+ sign -897.095 ± 1007.589 $\chi^2/\text{NDF}: 38.2/30$

All: -1133.088 ± 679.051 $\chi^2/\text{NDF}: 65.9/62$

- sign -1329.468 ± 919.139 $\chi^2/\text{NDF}: 27.6/31$

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117 $\pm$ 0.916 χ^2 /NDF: 757146.6/15

Left Out: 5393.803 $\pm$ 1.133 χ^2 /NDF: 650696.2/14

Right Out: 2748.372 $\pm$ 0.792 χ^2 /NDF: 2264563.8/17

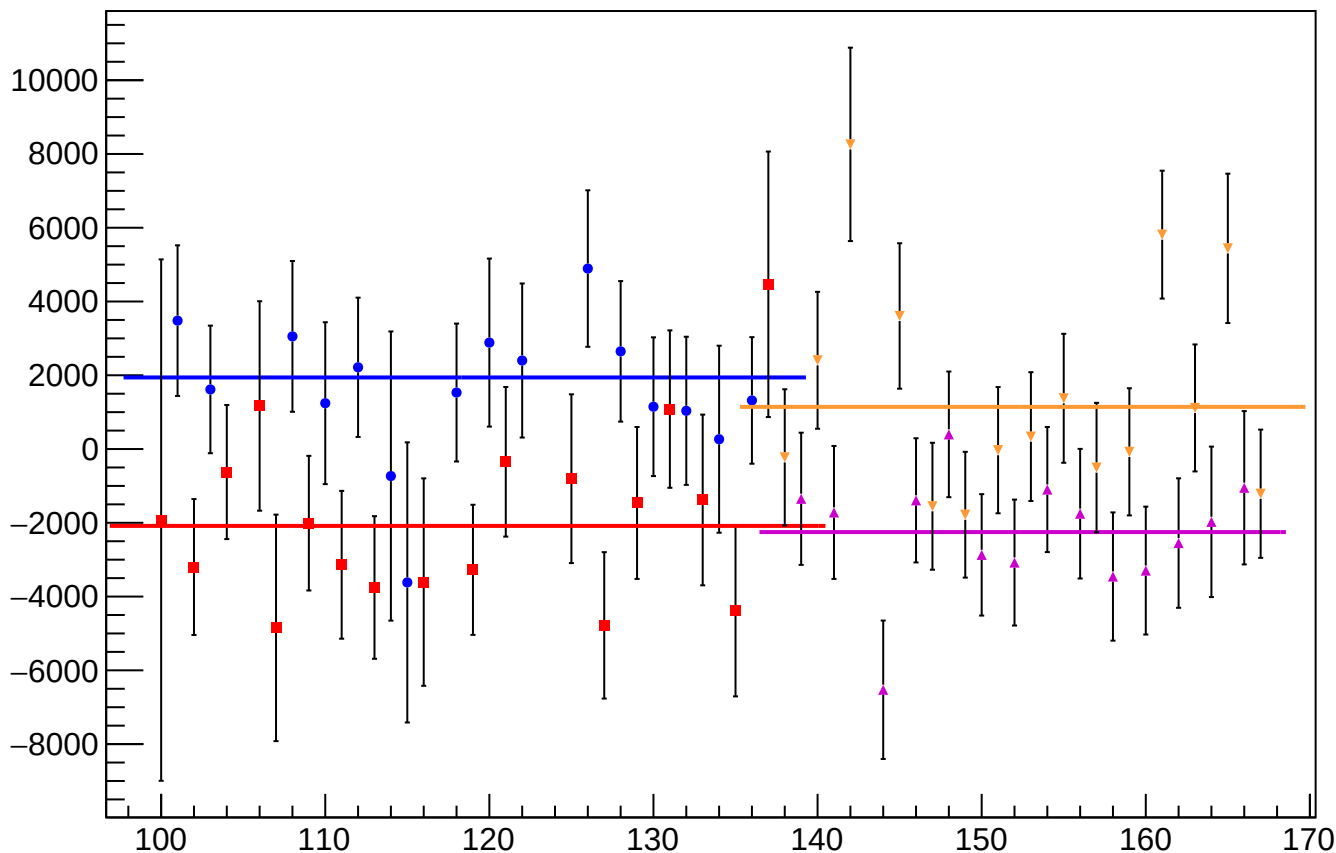
Left In: 5369.727 $\pm$ 1.138 χ^2 /NDF: 657764.5/13

+ sign 4177.087 $\pm$ 0.712 χ^2 /NDF: 3315712.4/30

All: 3864.258 $\pm$ 0.480 χ^2 /NDF: 10167771.5/6

- sign 3603.941 $\pm$ 0.650 χ^2 /NDF: 6498847.5/31

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 1142.755 $\pm$ 467.743 χ^2 /NDF:31.0/14

Right Out: -2084.166 $\pm$ 519.587 χ^2 /NDF: 14.5/17

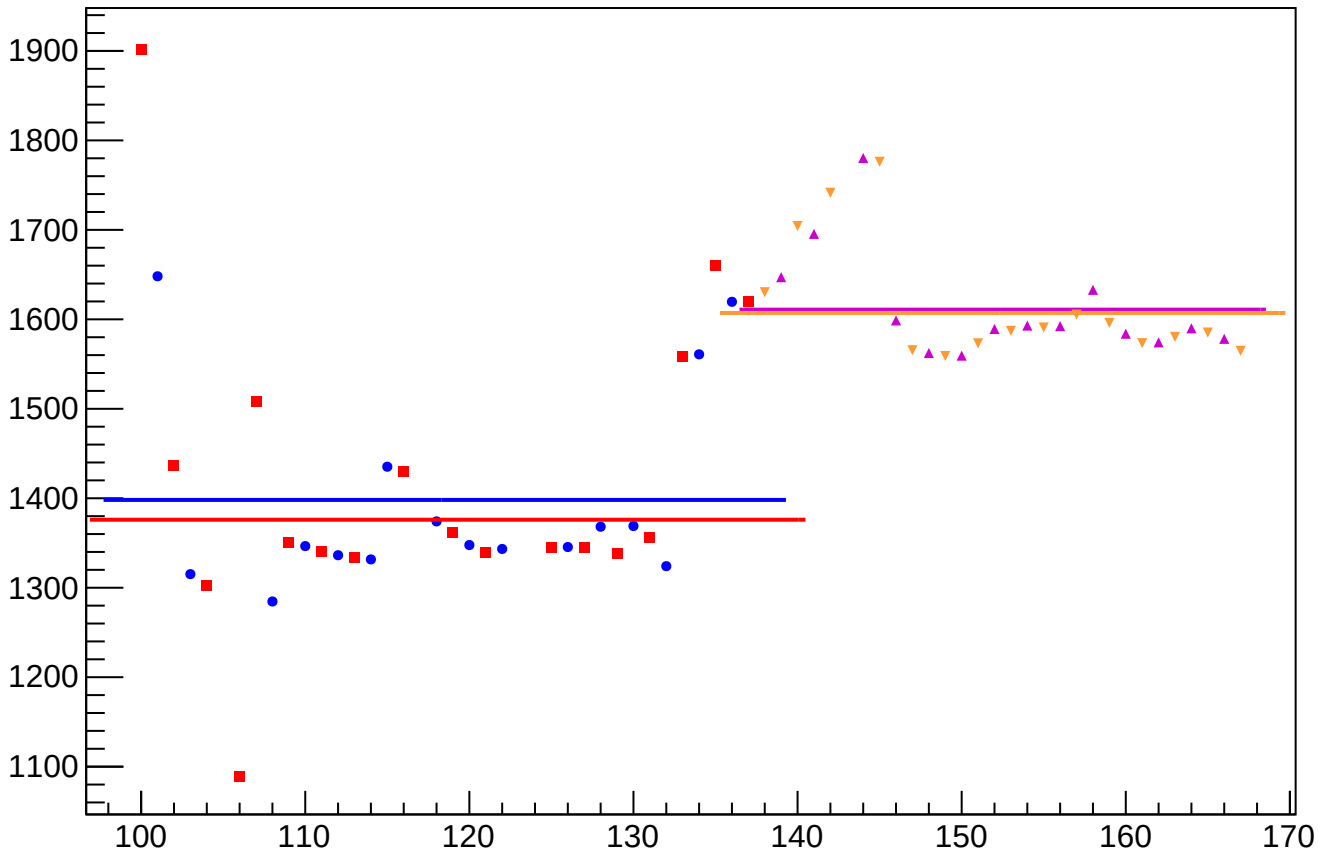
Left In: -2251.570 $\pm$ 474.364 χ^2 /NDF:10.4/13

+ sign 1498.132 $\pm$ 348.404 χ^2 /NDF: 39.2/30

All: -328.571 $\pm$ 247.035 χ^2 /NDF: 119.4/62

- sign -2175.469 $\pm$ 350.325 χ^2 /NDF: 24.9/31

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF : 32461.5/14

Right Out: 1376.021+/-0.363 χ^2/NDF : 114033.6/17

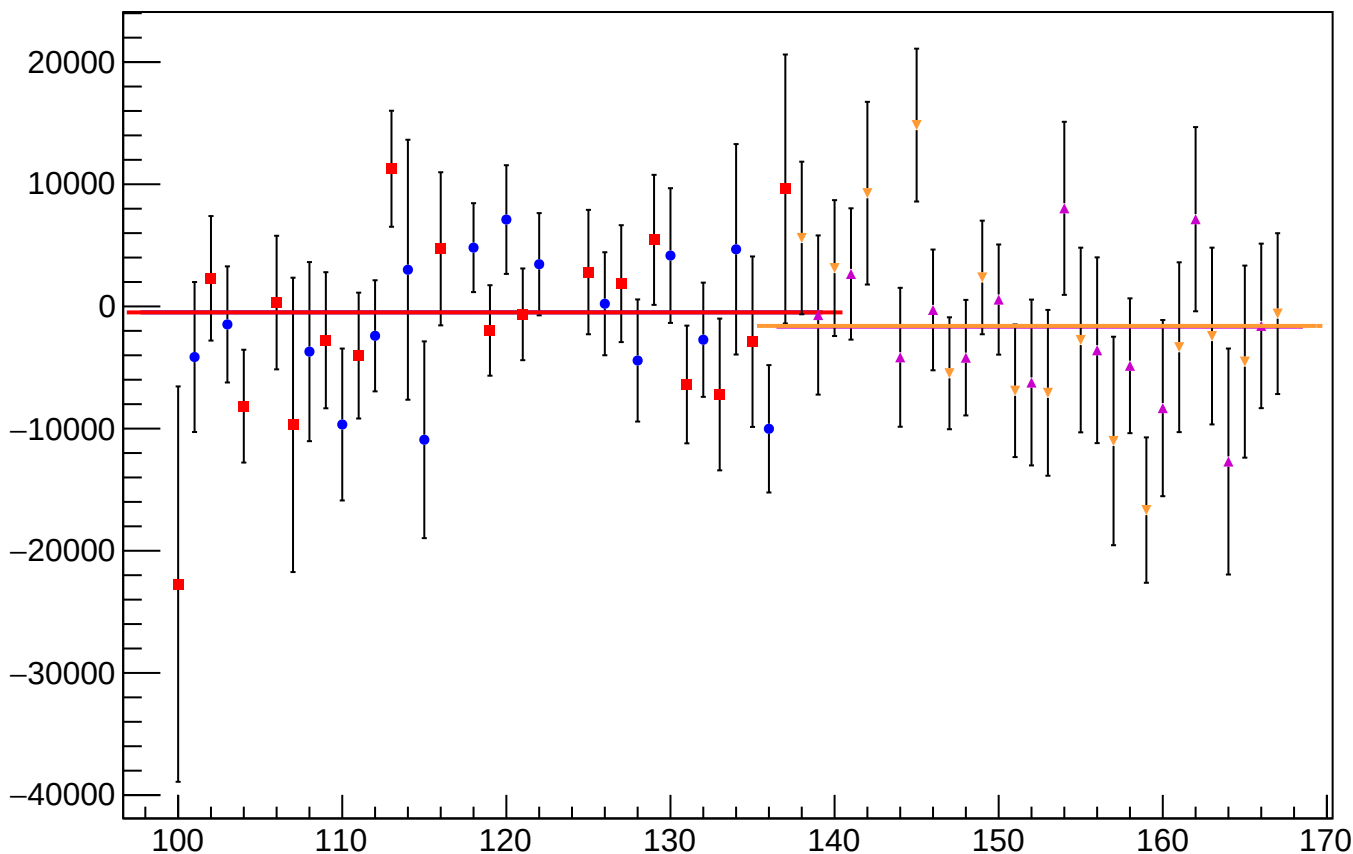
Left In: 1610.840+/-0.335 χ^2/NDF : 28357.0/13

+ sign 1514.094+/-0.246 χ^2/NDF : 304074.2/30

All: 1508.310+/-0.174 χ^2/NDF : 673614.3/62

- sign 1502.533+/-0.246 χ^2/NDF : 368438.4/31

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -486.563+/-1294.930 χ^2/NDF : 15.9/15

Left Out: -1594.096+/-1602.224 χ^2/NDF : 22.0/14

Right Out: -488.594+/-1261.315 χ^2/NDF : 18.7/17

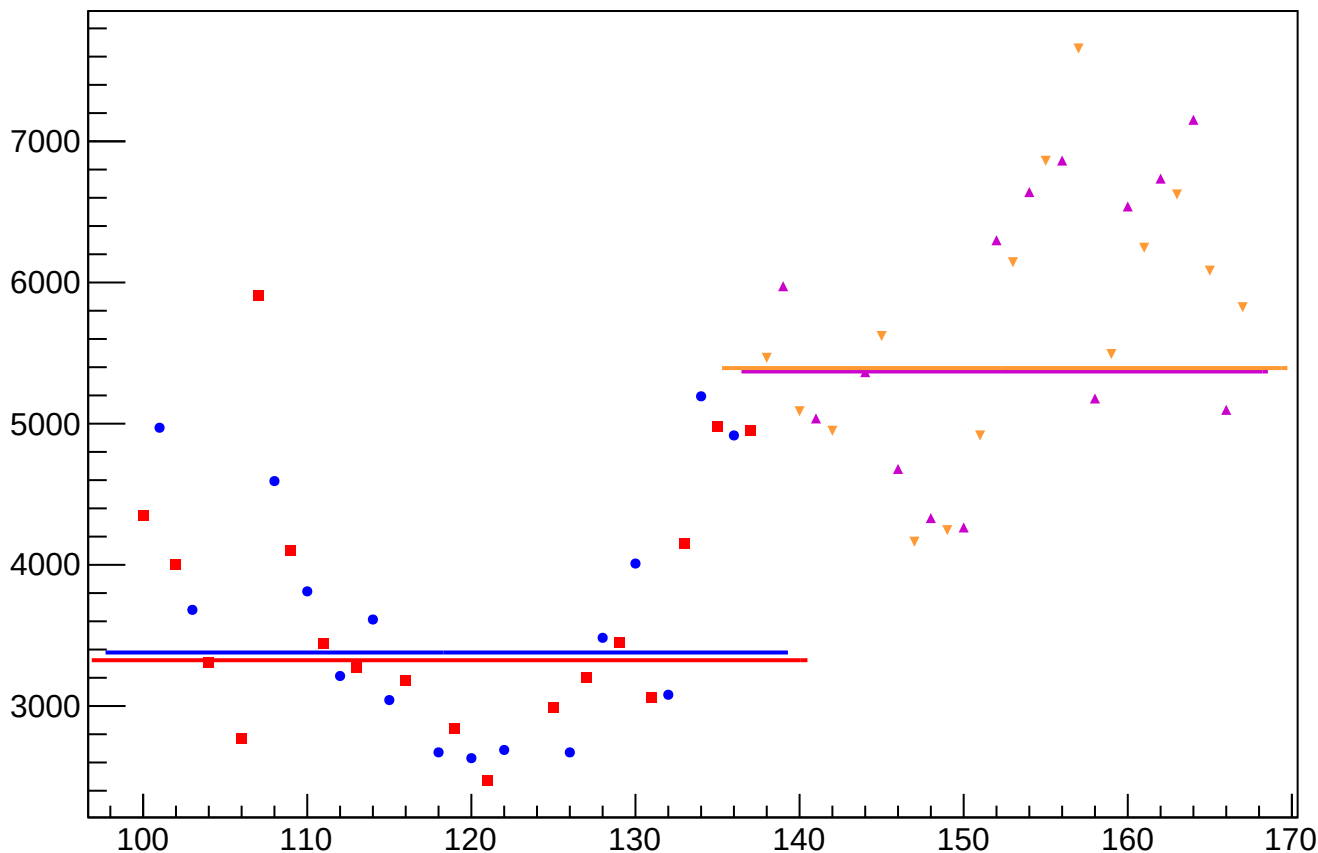
Left In: -1655.519+/-1608.853 χ^2/NDF : 7.8/13

+ sign -924.163+/-1007.126 χ^2/NDF : 38.3/30

All: -928.544+/-706.964 χ^2/NDF : 65.1/62

- sign -932.800+/-992.629 χ^2/NDF : 26.9/31

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110 ± 0.916 $\chi^2/\text{NDF}: 755339.9/15$

Left Out: 5393.805 ± 1.133 $\chi^2/\text{NDF}: 650693.4/14$

Right Out: 3324.449 ± 0.892 $\chi^2/\text{NDF}: 543813.3/17$

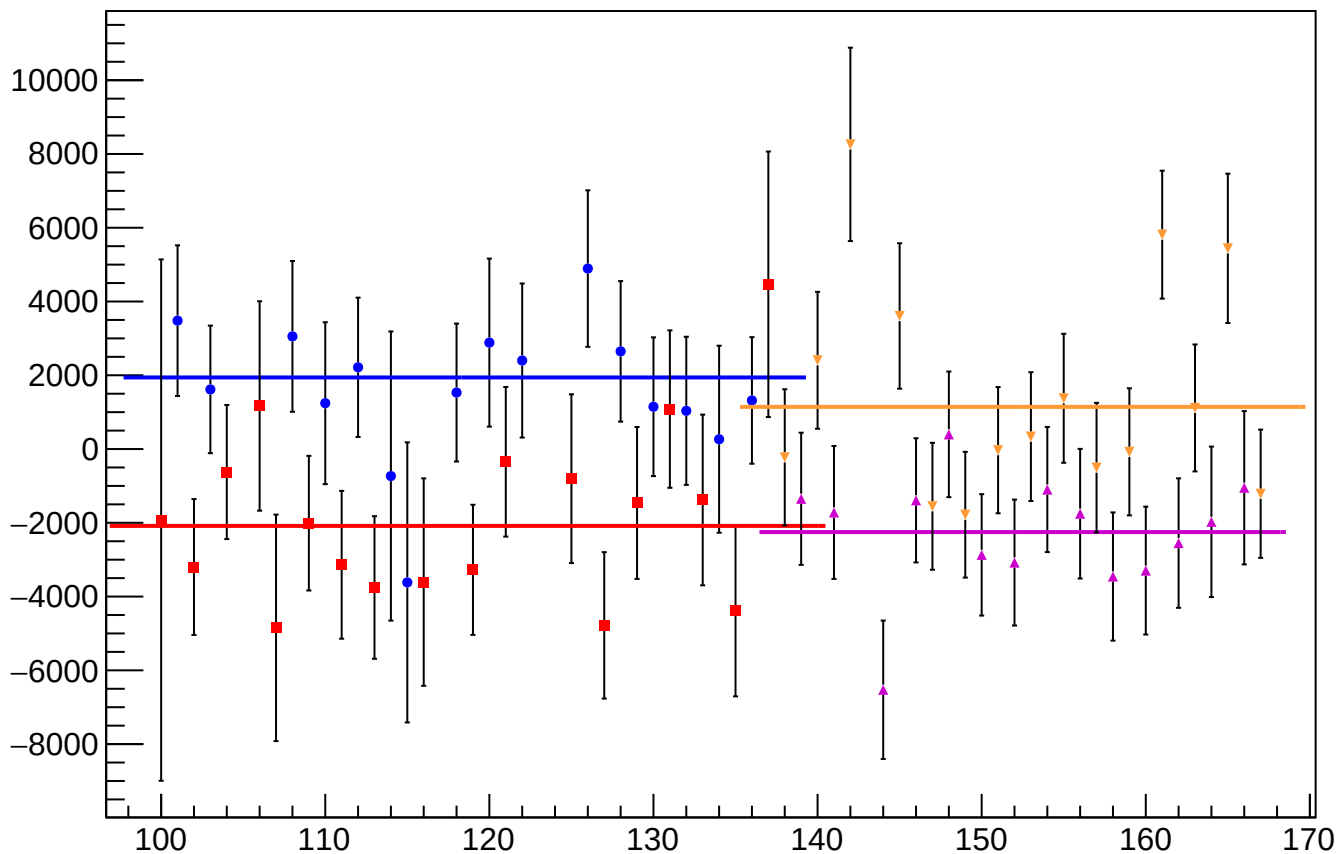
Left In: 5369.723 ± 1.138 $\chi^2/\text{NDF}: 657772.9/13$

+ sign 4175.141 ± 0.712 $\chi^2/\text{NDF}: 3318862.9/30$

All: 4138.553 ± 0.500 $\chi^2/\text{NDF}: 6527480.5/62$

- sign 4103.010 ± 0.702 $\chi^2/\text{NDF}: 3203413.6/31$

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 1142.755 $\pm$ 467.743 χ^2 /NDF:31.0/14

Right Out: -2084.166 $\pm$ 519.587 χ^2 /NDF: 14.5/17

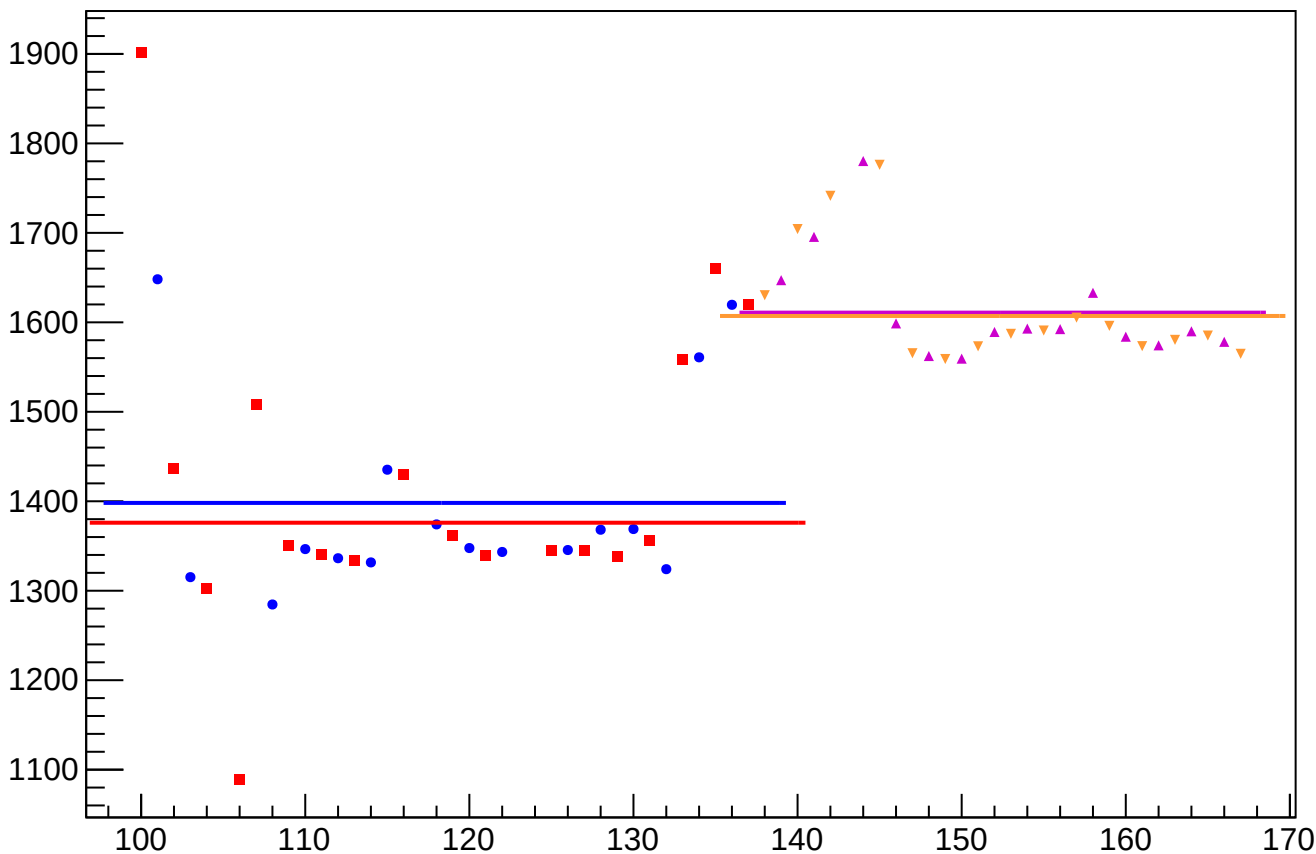
Left In: -2251.570 $\pm$ 474.364 χ^2 /NDF:10.4/13

+ sign 1498.132 $\pm$ 348.404 χ^2 /NDF: 39.2/30

All: -328.571 $\pm$ 247.035 χ^2 /NDF: 119.4/62

- sign -2175.469 $\pm$ 350.325 χ^2 /NDF: 24.9/31

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161 $\pm$ 0.369 χ^2 /NDF: 93923.6/15

Left Out: 1607.117 $\pm$ 0.331 χ^2 /NDF: 32461.5/14

Right Out: 1376.021 $\pm$ 0.363 χ^2 /NDF: 114033.6/17

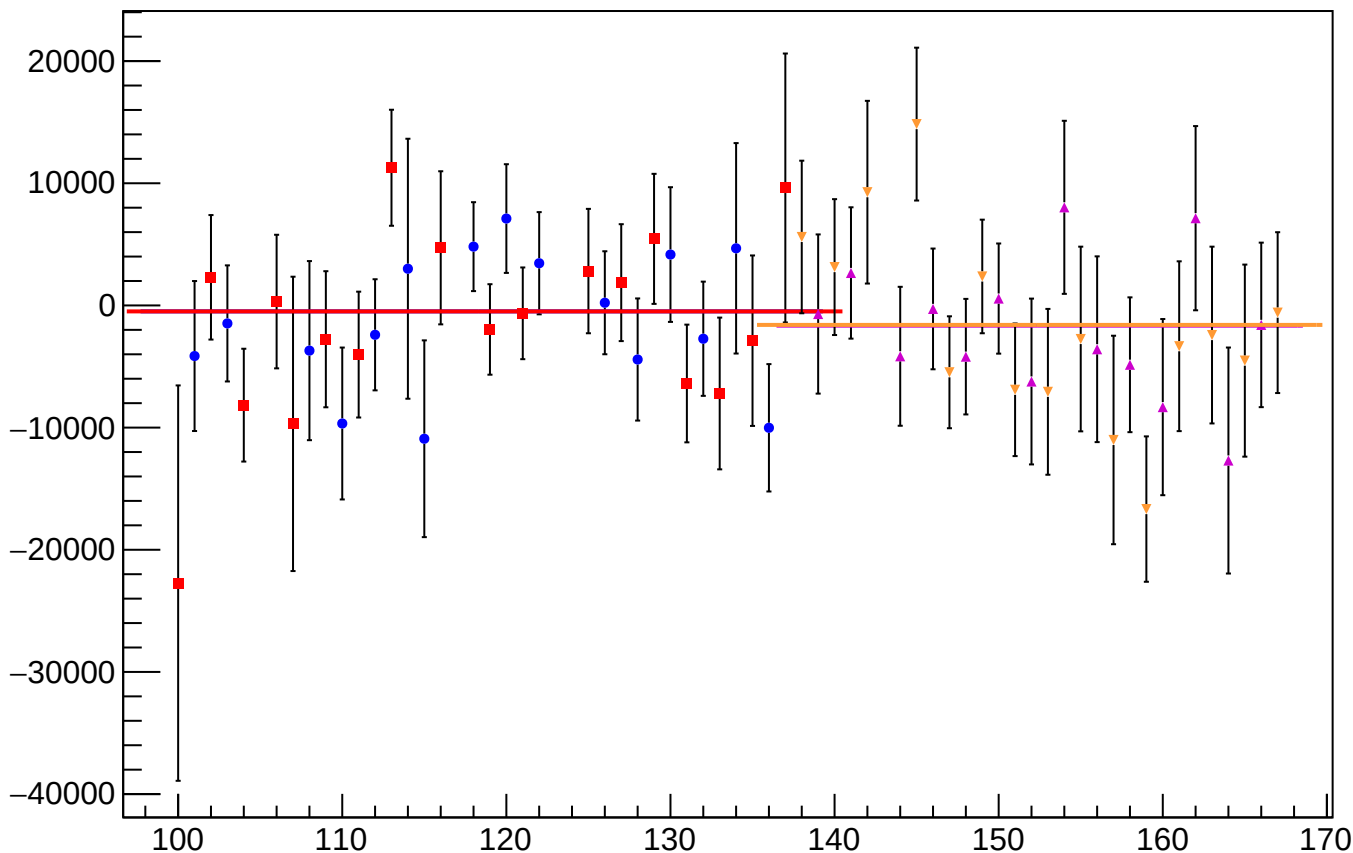
Left In: 1610.840 $\pm$ 0.335 χ^2 /NDF: 28357.0/13

+ sign 1514.094 $\pm$ 0.246 χ^2 /NDF: 304074.2/30

All: 1508.310 $\pm$ 0.174 χ^2 /NDF: 673614.3/62

- sign 1502.533 $\pm$ 0.246 χ^2 /NDF: 368438.4/31

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -486.563 ± 1294.930 $\chi^2/\text{NDF}: 15.9/15$

Left Out: -1594.096 ± 1602.224 $\chi^2/\text{NDF}: 22.0/14$

Right Out: -488.594 ± 1261.315 $\chi^2/\text{NDF}: 18.7/17$

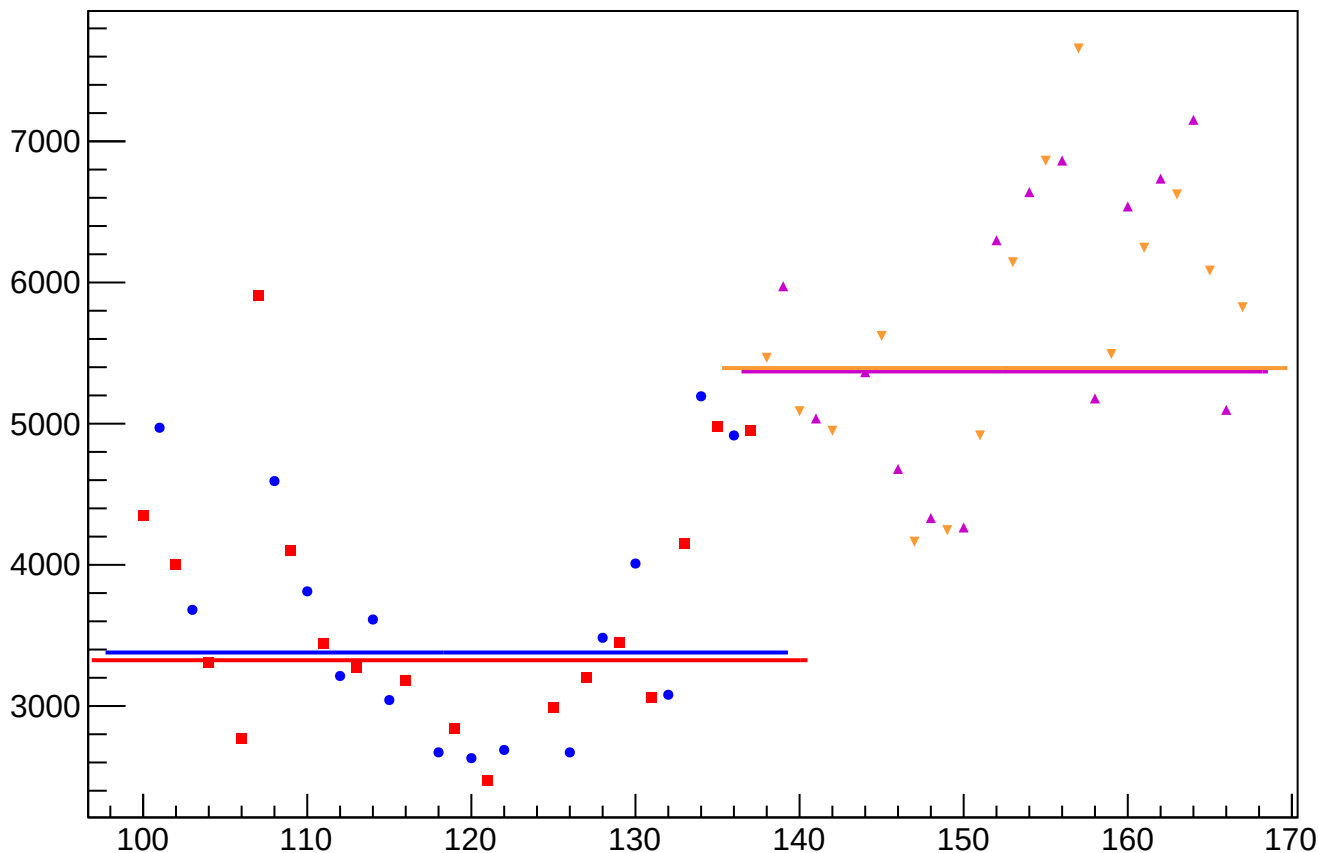
Left In: -1655.519 ± 1608.853 $\chi^2/\text{NDF}: 7.8/13$

+ sign -924.163 ± 1007.126 $\chi^2/\text{NDF}: 38.3/30$

All: -928.544 ± 706.964 $\chi^2/\text{NDF}: 65.1/62$

- sign -932.800 ± 992.629 $\chi^2/\text{NDF}: 26.9/31$

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF : 755339.9/15

Left Out: 5393.805+/-1.133 χ^2/NDF : 650693.4/14

Right Out: 3324.449+/-0.892 χ^2/NDF : 543813.3/17

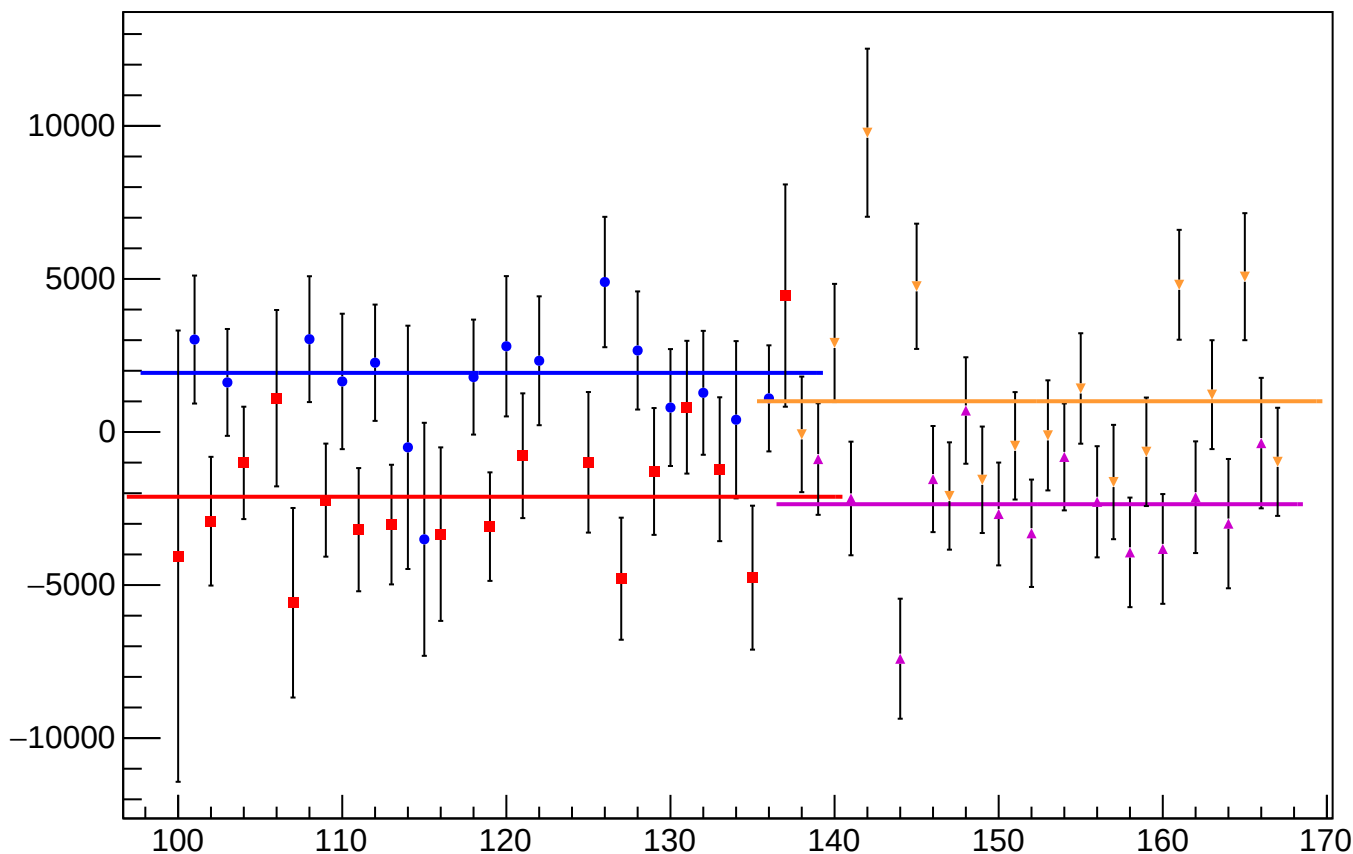
Left In: 5369.723+/-1.138 χ^2/NDF : 657772.9/13

+ sign 4175.141+/-0.712 χ^2/NDF : 3318862.9/30

All: 4138.553+/-0.500 χ^2/NDF : 6527480.5/62

- sign 4103.010+/-0.702 χ^2/NDF : 3203413.6/31

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537 ± 527.135 χ^2/NDF : 6.4/15

Left Out: 1004.726 ± 482.110 χ^2/NDF : 33.8/14

Right Out: -2115.195 ± 528.802 χ^2/NDF : 13.2/17

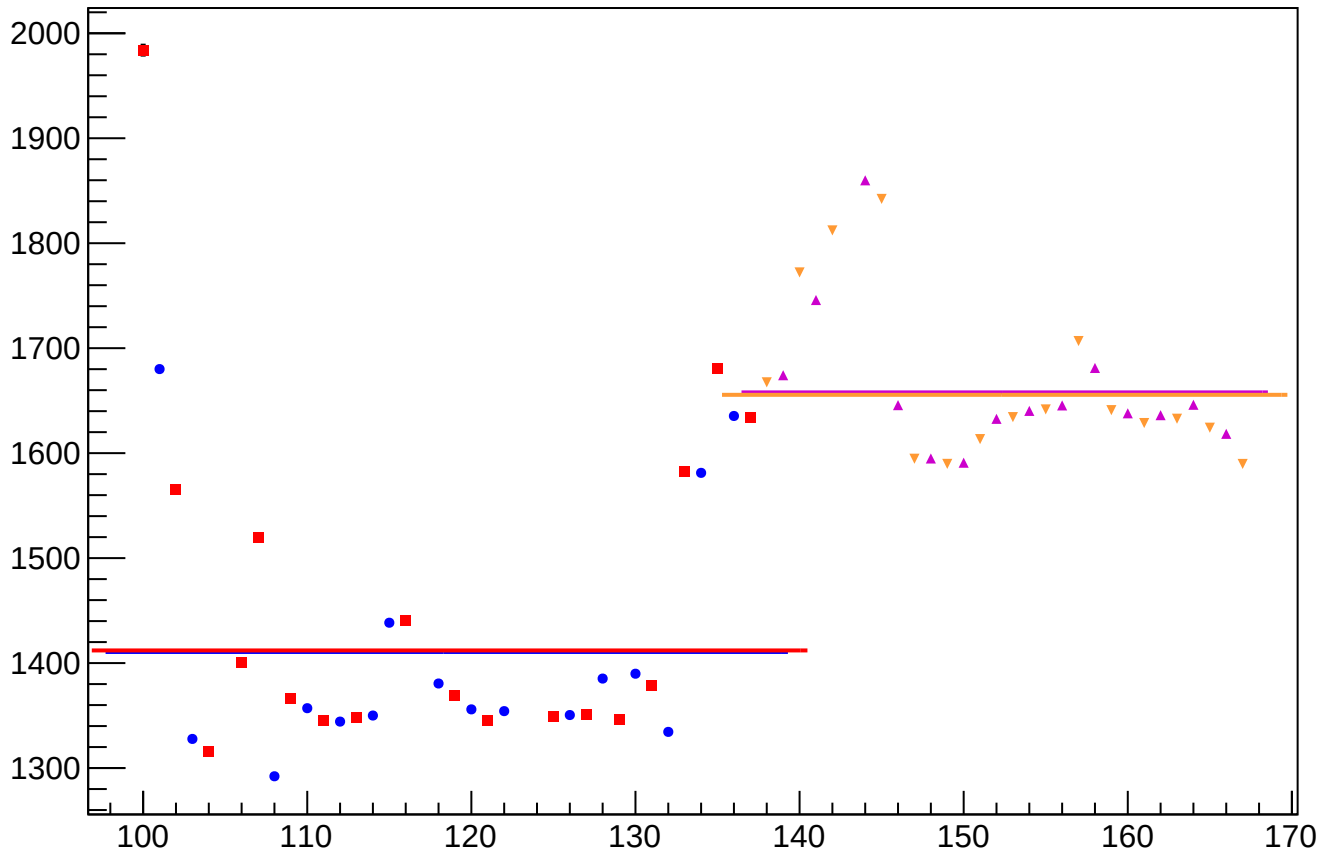
Left In: -2359.038 ± 488.309 χ^2/NDF : 14.2/13

+ sign 1426.865 ± 355.758 χ^2/NDF : 41.8/30

All: -394.594 ± 252.610 χ^2/NDF : 122.2/62

- sign -2246.809 ± 358.749 χ^2/NDF : 27.5/31

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595 $\pm$ 0.373 χ^2 /NDF: 99150.0/15

Left Out: 1655.566 $\pm$ 0.341 χ^2 /NDF: 43013.9/14

Right Out: 1412.048 $\pm$ 0.373 χ^2 /NDF: 89704.5/17

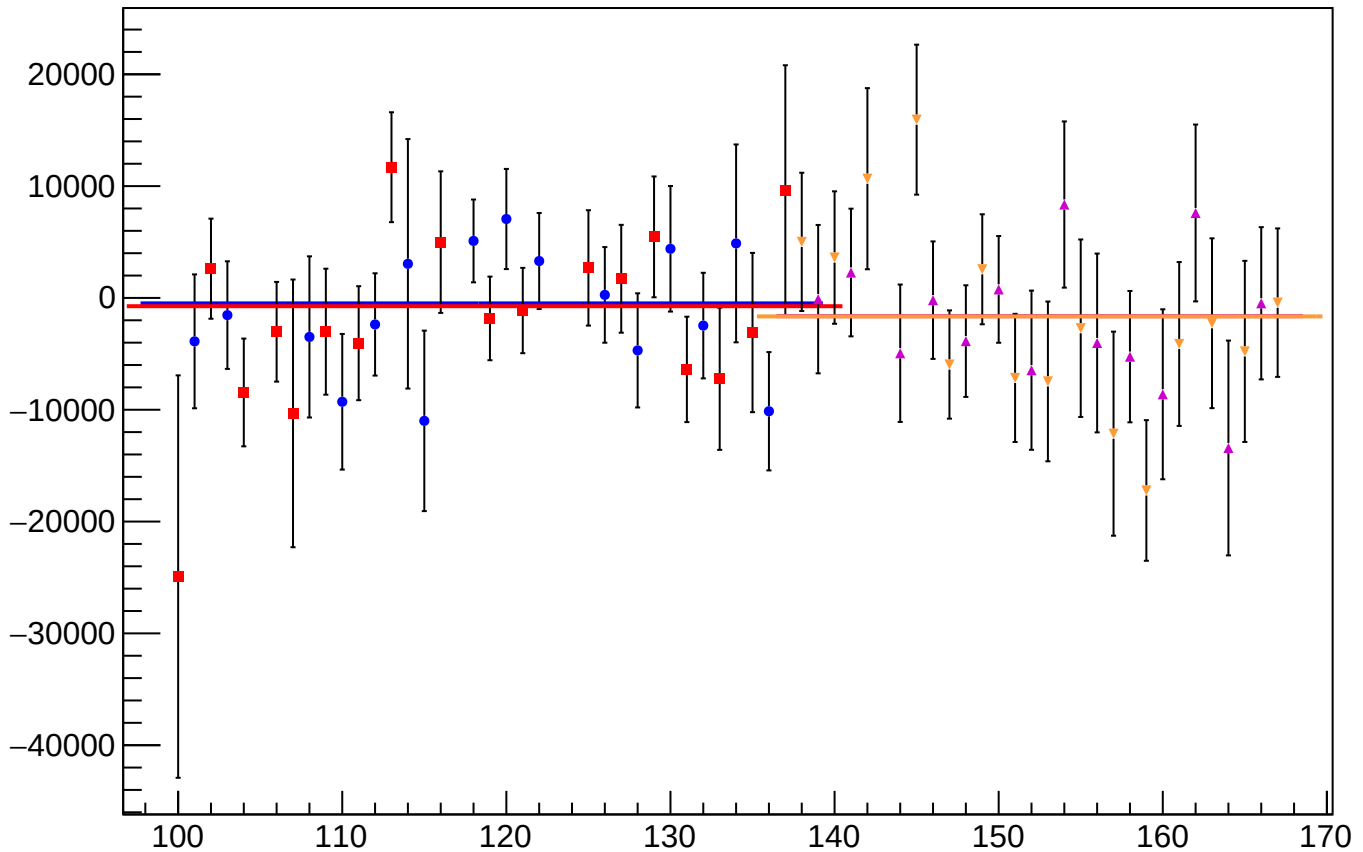
Left In: 1657.871 $\pm$ 0.345 χ^2 /NDF: 34130.9/13

+ sign 1543.988 $\pm$ 0.252 χ^2 /NDF: 377360.7/30

All: 1544.195 $\pm$ 0.179 χ^2 /NDF: 735152.2/62

- sign 1544.404 $\pm$ 0.253 χ^2 /NDF: 357790.1/31

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402 $\pm$ 1308.692 χ^2 /NDF: 15.8/15

Left Out: -1653.514 $\pm$ 1682.493 χ^2 /NDF:22.0/14

Right Out: -740.592 $\pm$ 1247.947 χ^2 /NDF: 19.2/17

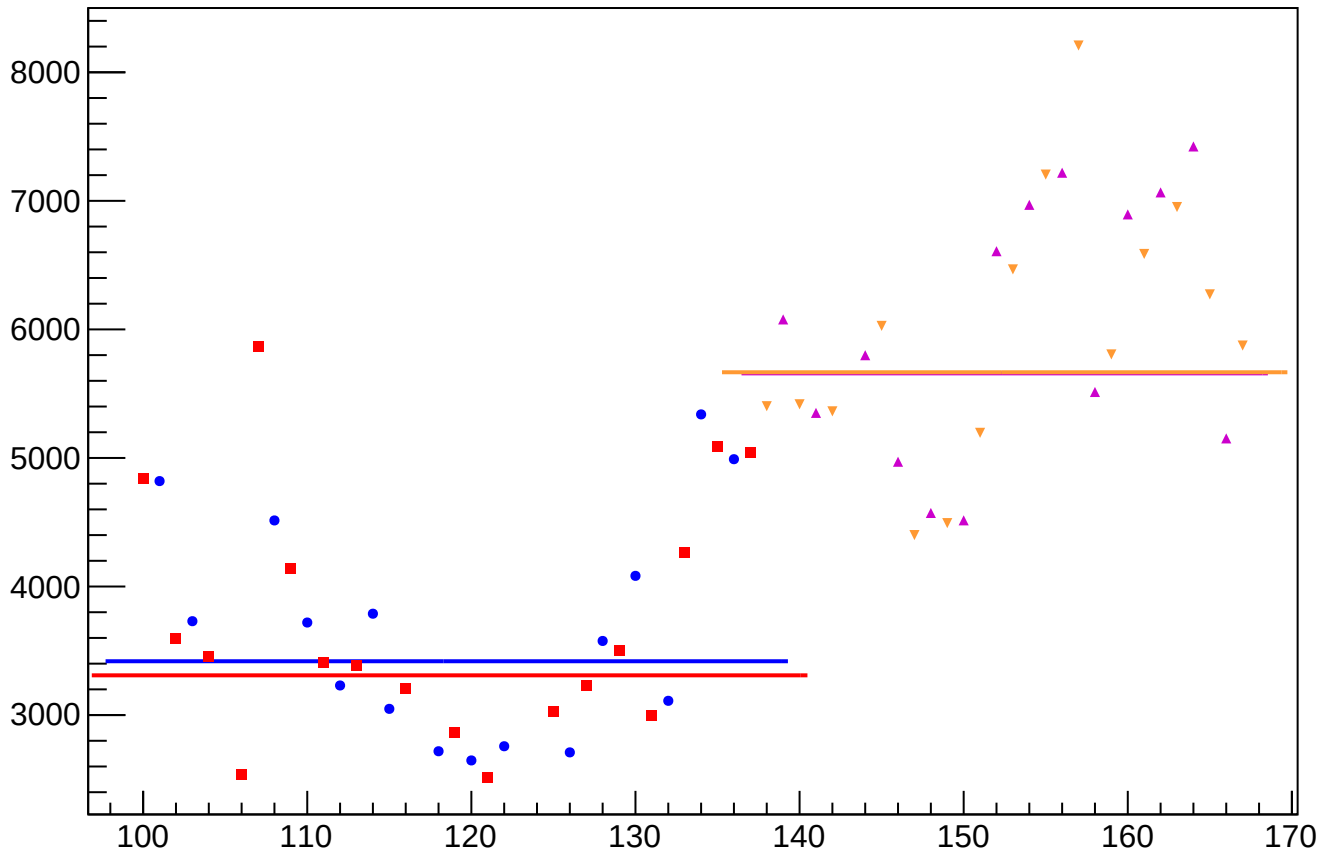
Left In: -1629.277 $\pm$ 1694.340 χ^2 /NDF:7.8/13

+ sign -928.218 $\pm$ 1032.993 χ^2 /NDF: 38.2/30

All: -992.406 $\pm$ 720.267 χ^2 /NDF: 65.4/62

- sign -1053.140 $\pm$ 1004.813 χ^2 /NDF: 27.2/31

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF : 721215.3/15

Left Out: 5666.690+/-1.190 χ^2/NDF : 638389.7/14

Right Out: 3309.112+/-0.882 χ^2/NDF : 571940.6/17

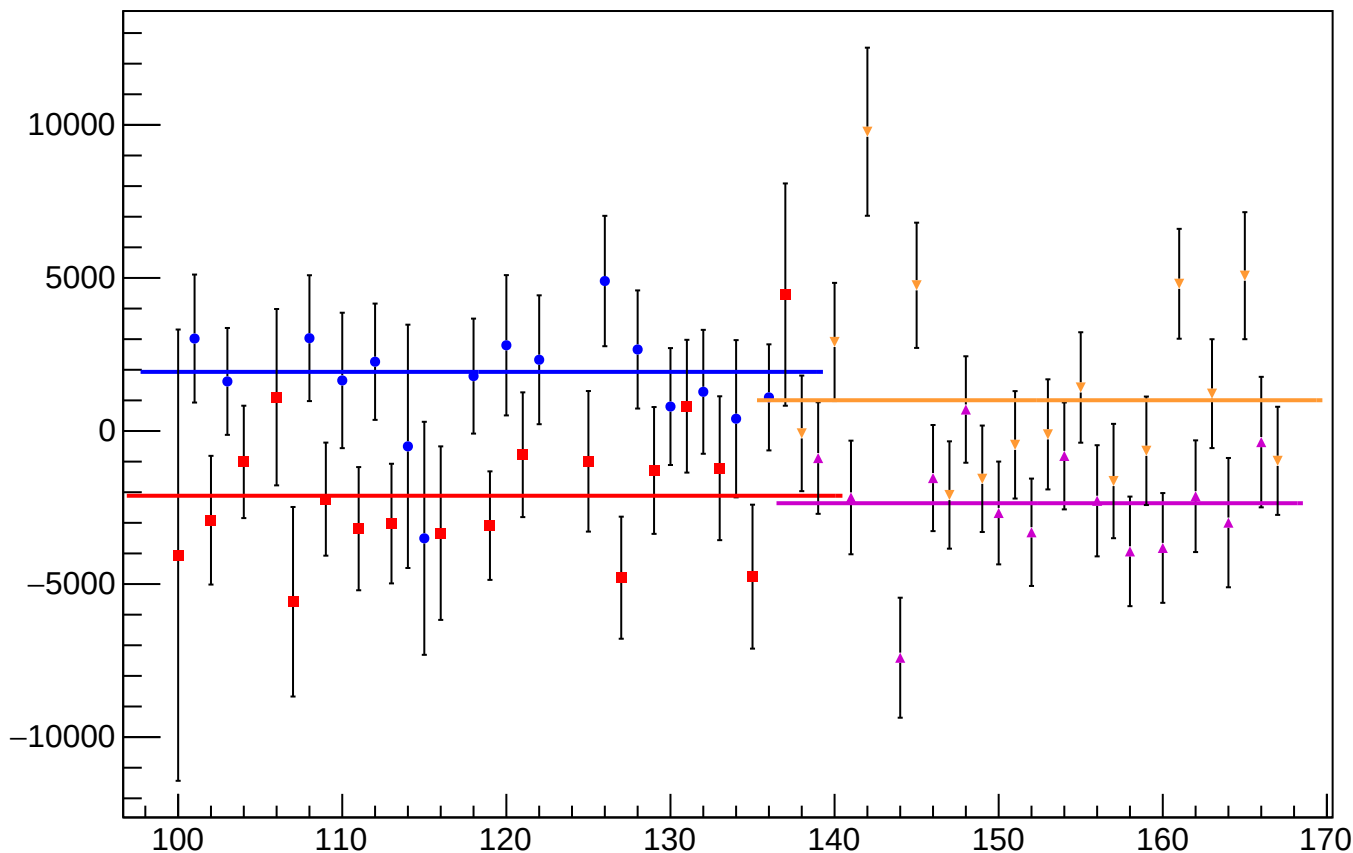
Left In: 5658.064+/-1.198 χ^2/NDF : 628700.4/13

+ sign 4266.089+/-0.730 χ^2/NDF : 3584102.4/30

All: 4198.851+/-0.509 χ^2/NDF : 7293273.3/62

- sign 4135.233+/-0.711 χ^2/NDF : 3692680.2/31

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538 ± 527.135 χ^2/NDF : 6.4/15

Left Out: 1004.718 ± 482.110 χ^2/NDF : 33.8/14

Right Out: -2115.195 ± 528.802 χ^2/NDF : 13.2/17

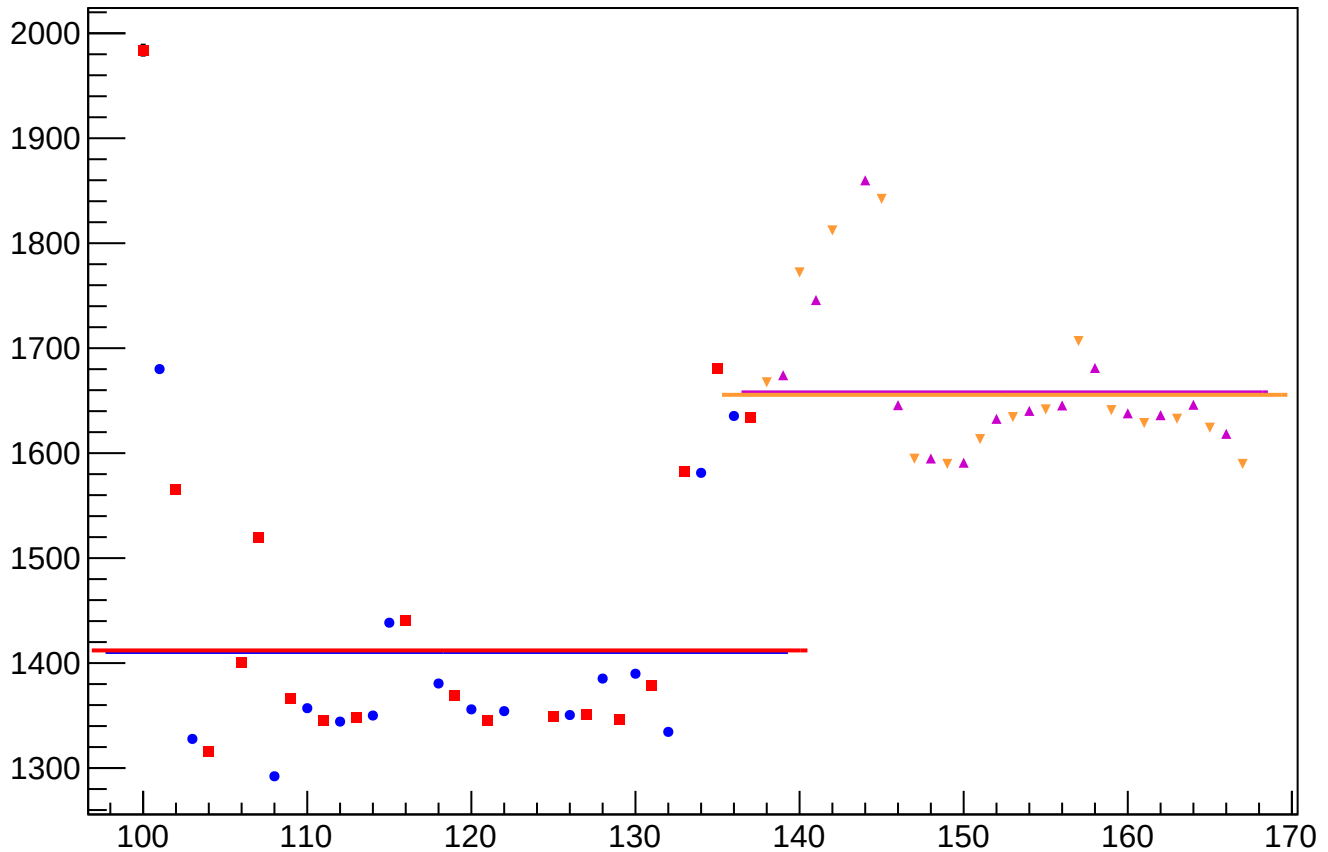
Left In: -2359.041 ± 488.309 χ^2/NDF : 14.2/13

+ sign 1426.862 ± 355.758 χ^2/NDF : 41.8/30

All: -394.596 ± 252.610 χ^2/NDF : 122.2/62

- sign -2246.810 ± 358.749 χ^2/NDF : 27.5/31

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595 +/- 0.373 χ^2/NDF : 99150.0/15

Left Out: 1655.567 +/- 0.341 χ^2/NDF : 43014.8/14

Right Out: 1412.048 +/- 0.373 χ^2/NDF : 89704.6/17

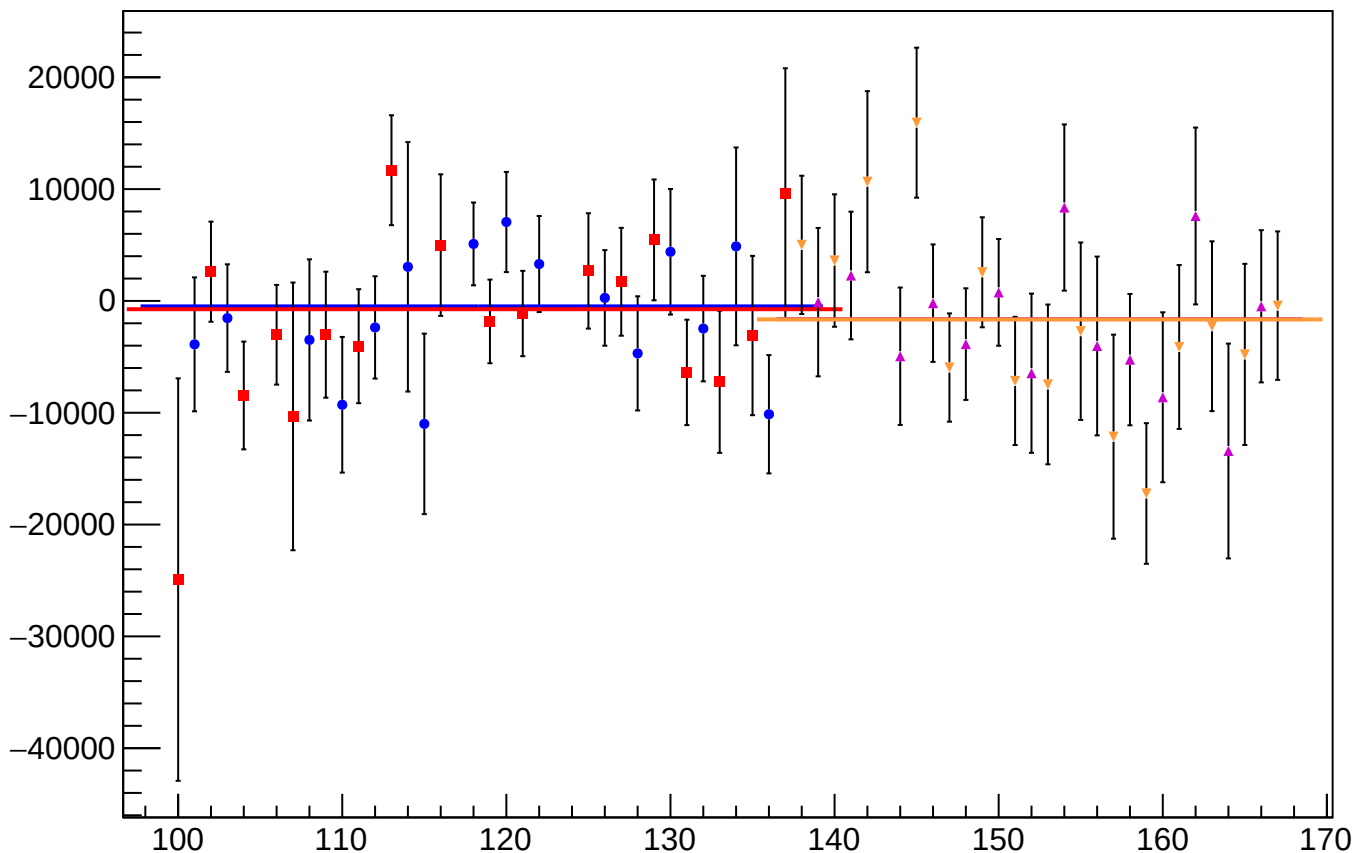
Left In: 1657.872 +/- 0.345 χ^2/NDF : 34131.3/13

+ sign 1543.989 +/- 0.252 χ^2/NDF : 377363.8/30

All: 1544.195 +/- 0.179 χ^2/NDF : 735158.6/62

- sign 1544.405 +/- 0.253 χ^2/NDF : 357793.4/31

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -489.395 $\pm$ 1308.688 χ^2 /NDF: 15.8/15

Left Out: -1653.523 $\pm$ 1682.496 χ^2 /NDF:22.0/14

Right Out: -740.594 $\pm$ 1247.944 χ^2 /NDF: 19.2/17

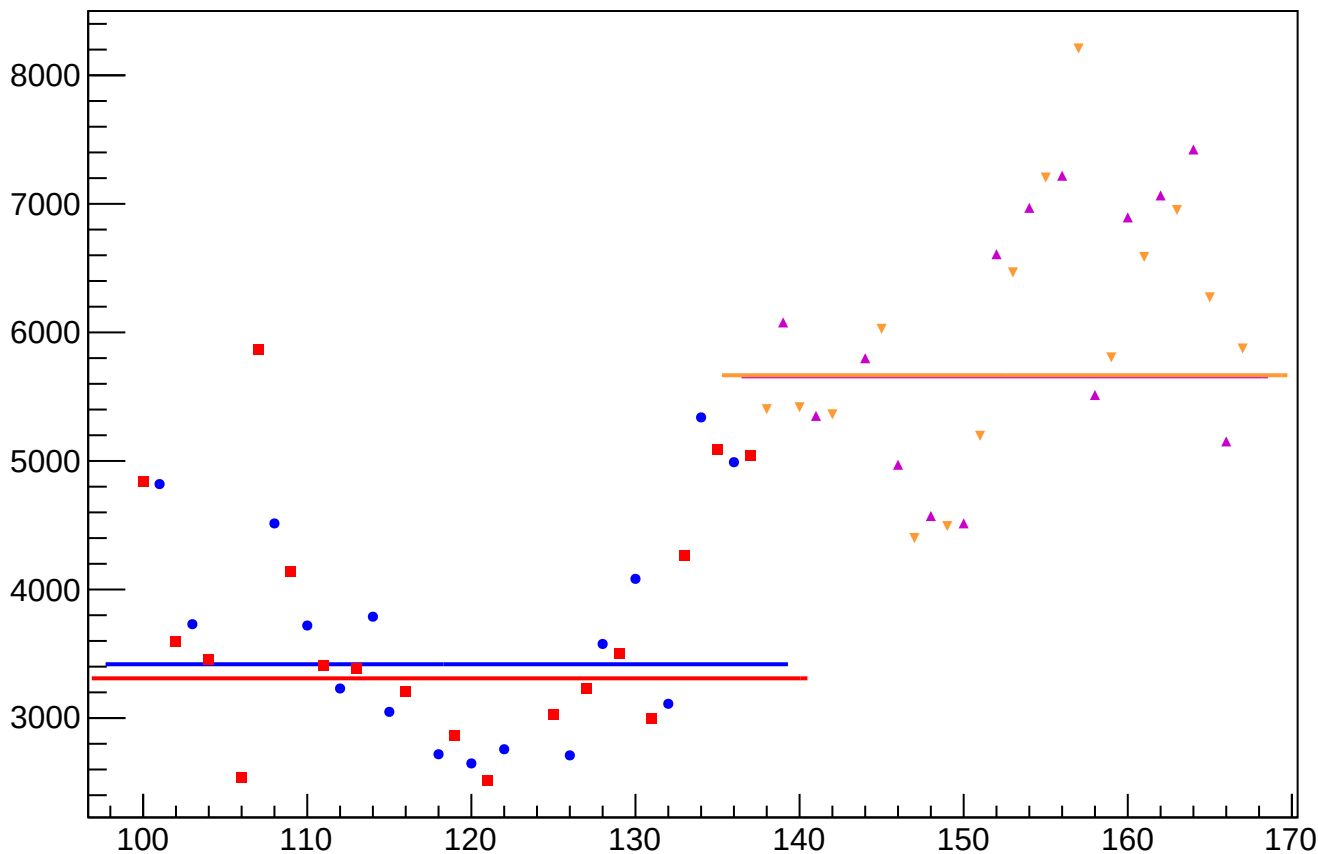
Left In: -1629.278 $\pm$ 1694.342 χ^2 /NDF:7.8/13

+ sign -928.215 $\pm$ 1032.992 χ^2 /NDF: 38.2/30

All: -992.405 $\pm$ 720.266 χ^2 /NDF: 65.4/62

- sign -1053.140 $\pm$ 1004.811 χ^2 /NDF: 27.2/31

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3418.690+/-0.925 χ^2/NDF : 721223.9/15

Left Out: 5666.697+/-1.190 χ^2/NDF : 638392.7/14

Right Out: 3309.102+/-0.882 χ^2/NDF : 571944.5/17

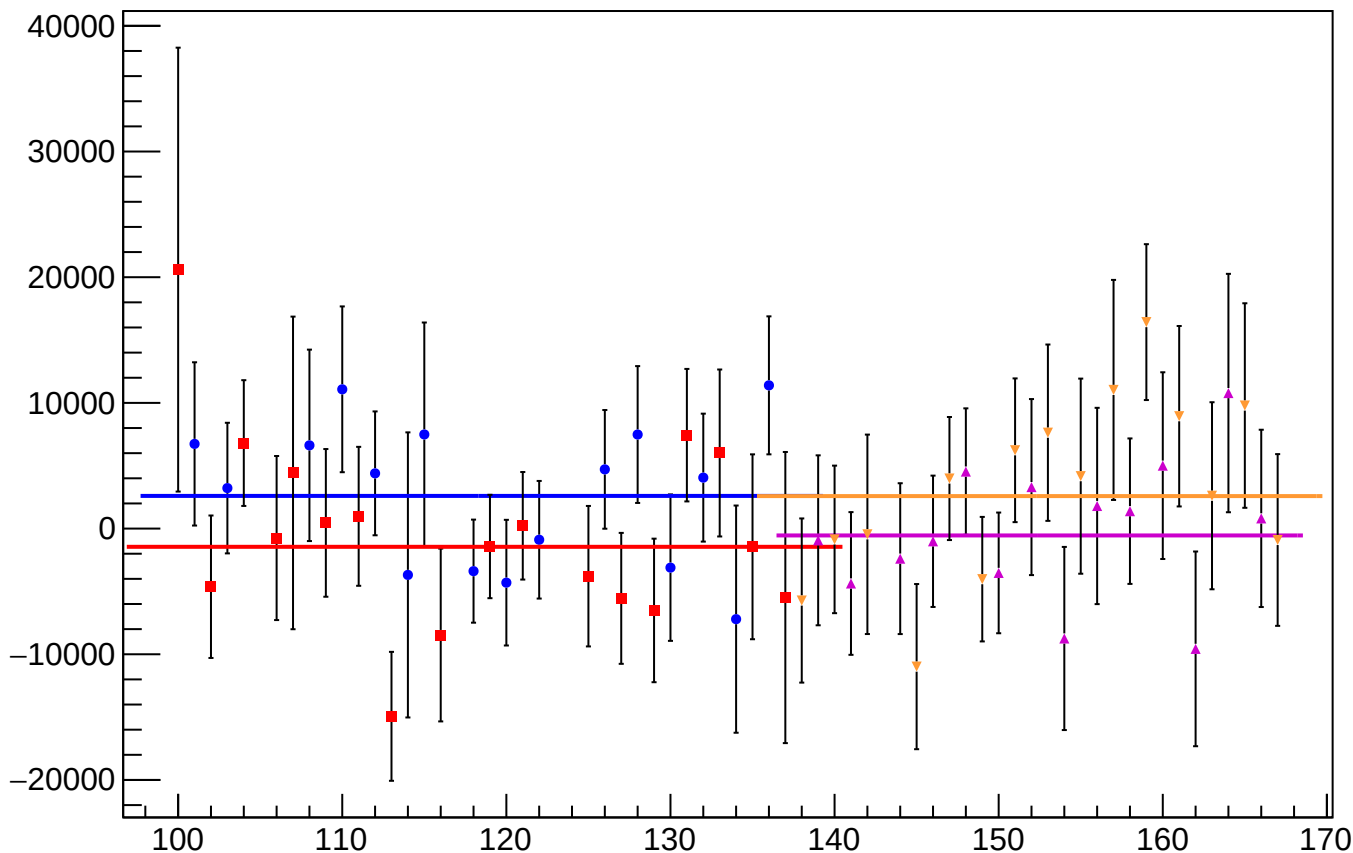
Left In: 5658.071+/-1.198 χ^2/NDF : 628703.0/13

+ sign 4266.080+/-0.730 χ^2/NDF : 3584152.2/30

All: 4198.843+/-0.509 χ^2/NDF : 7293366.5/62

- sign 4135.224+/-0.711 χ^2/NDF : 3692723.6/31

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622 $\pm$ 1414.499 χ^2 /NDF: 13.5/15

Left Out: 2584.733 $\pm$ 1679.393 χ^2 /NDF:16.9/14

Right Out: -1450.418 $\pm$ 1382.818 χ^2 /NDF: 19.0/17

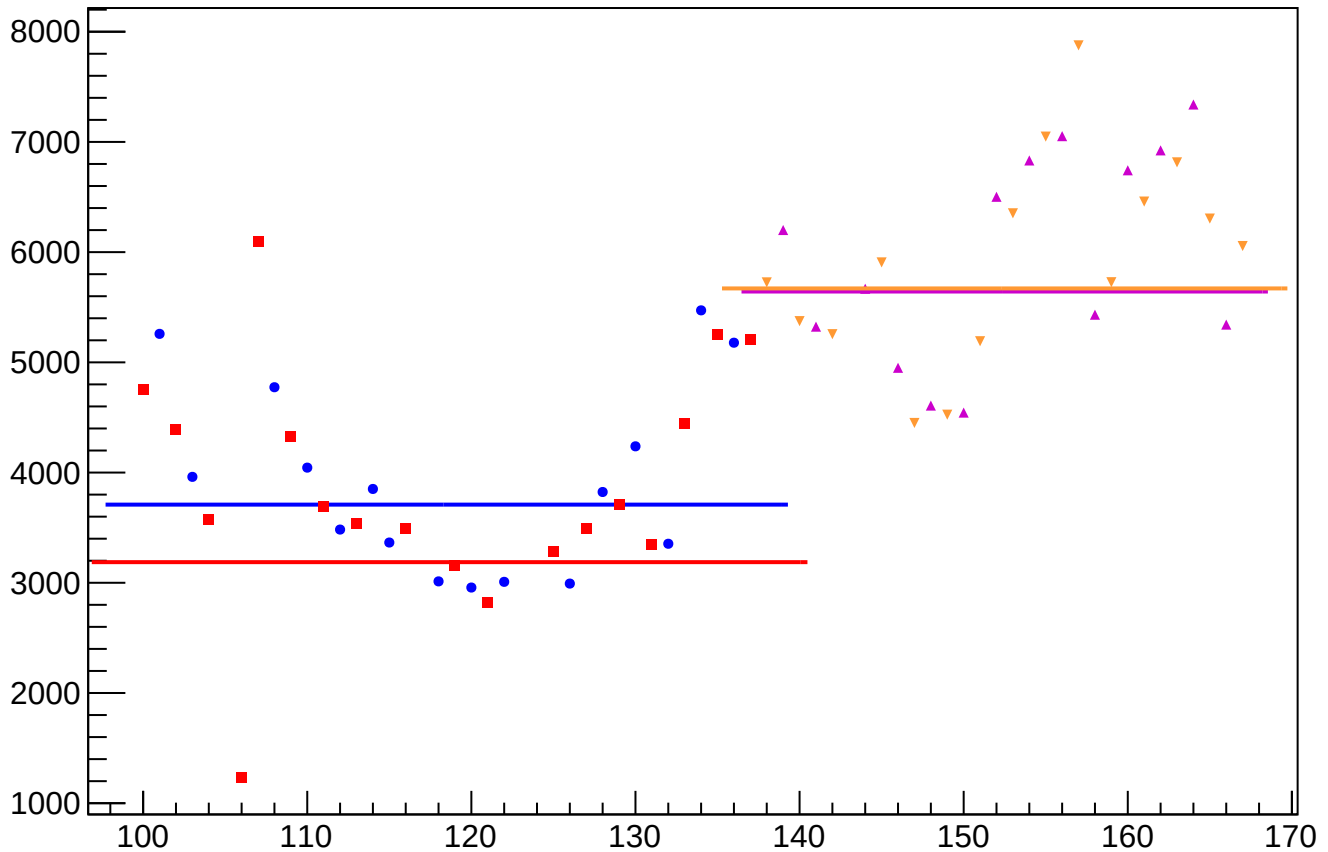
Left In: -546.113 $\pm$ 1686.199 χ^2 /NDF:7.1/13

+ sign 2593.443 $\pm$ 1081.879 χ^2 /NDF: 30.4/30

All: 731.713 $\pm$ 760.498 χ^2 /NDF: 62.6/62

- sign -1086.794 $\pm$ 1069.247 χ^2 /NDF: 26.3/31

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF : 610637.3/15

Left Out: 5670.734+/-1.188 χ^2/NDF : 557516.1/14

Right Out: 3187.191+/-0.896 χ^2/NDF : 1610818.1/17

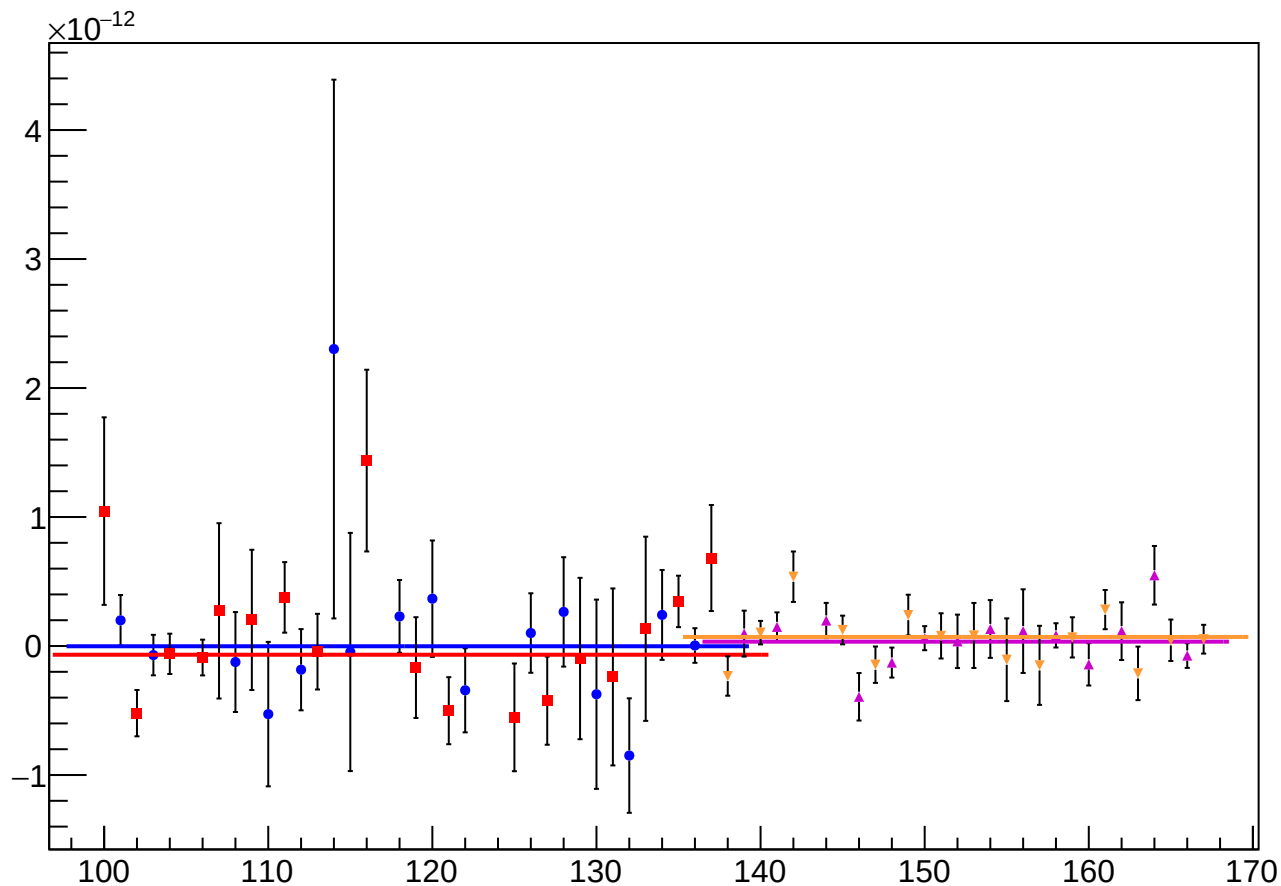
Left In: 5642.726+/-1.192 χ^2/NDF : 561788.8/13

+ sign 4523.217+/-0.765 χ^2/NDF : 2764365.5/30

All: 4283.175+/-0.523 χ^2/NDF : 7833267.2/62

- sign 4072.859+/-0.716 χ^2/NDF : 4884179.7/31

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.2/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.5/17

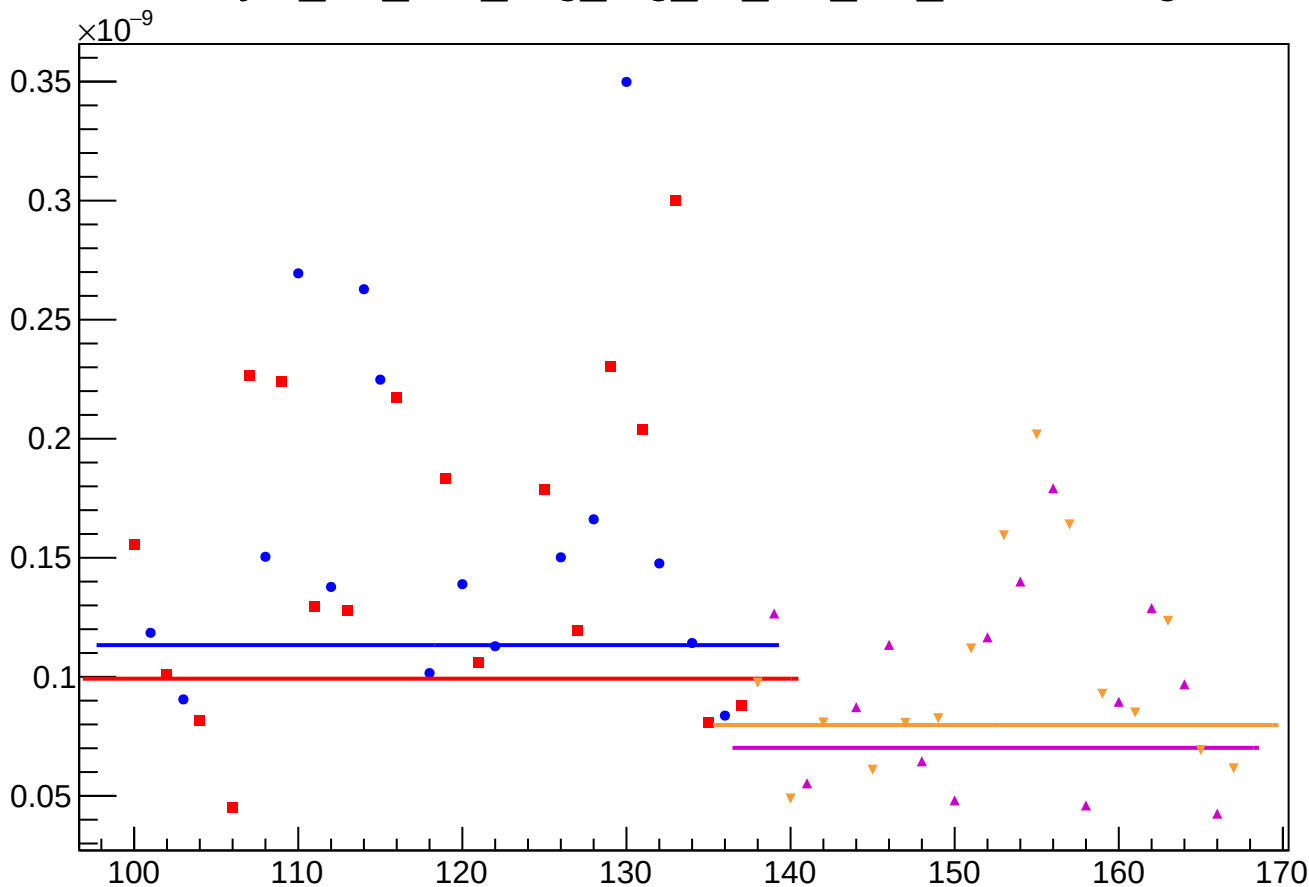
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.5/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.5/31

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 655766.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1190094.3/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1100854.2/17

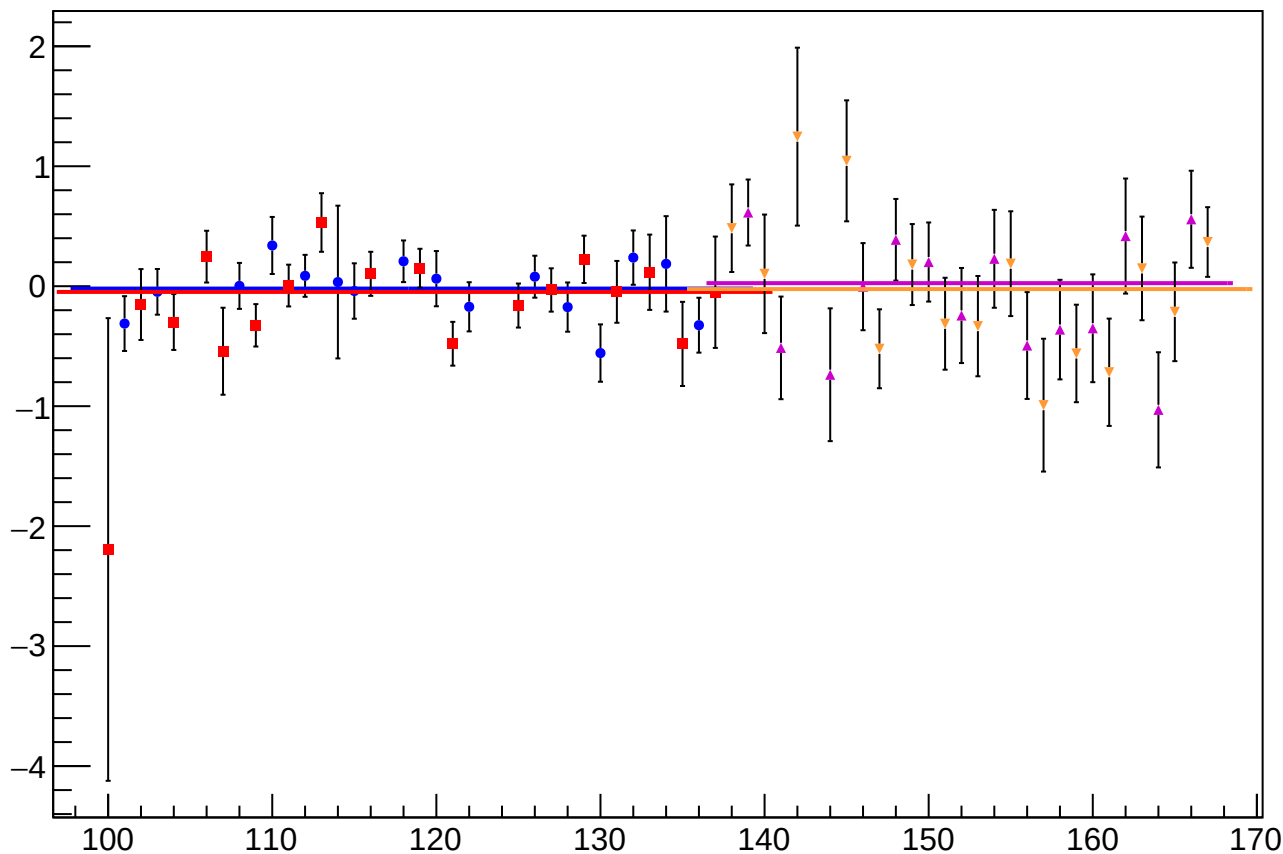
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1508541.1/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2193047.4/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5199776.8/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2906546.2/31

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: -0.024 ± 0.105 χ^2/NDF : 22.8/14

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

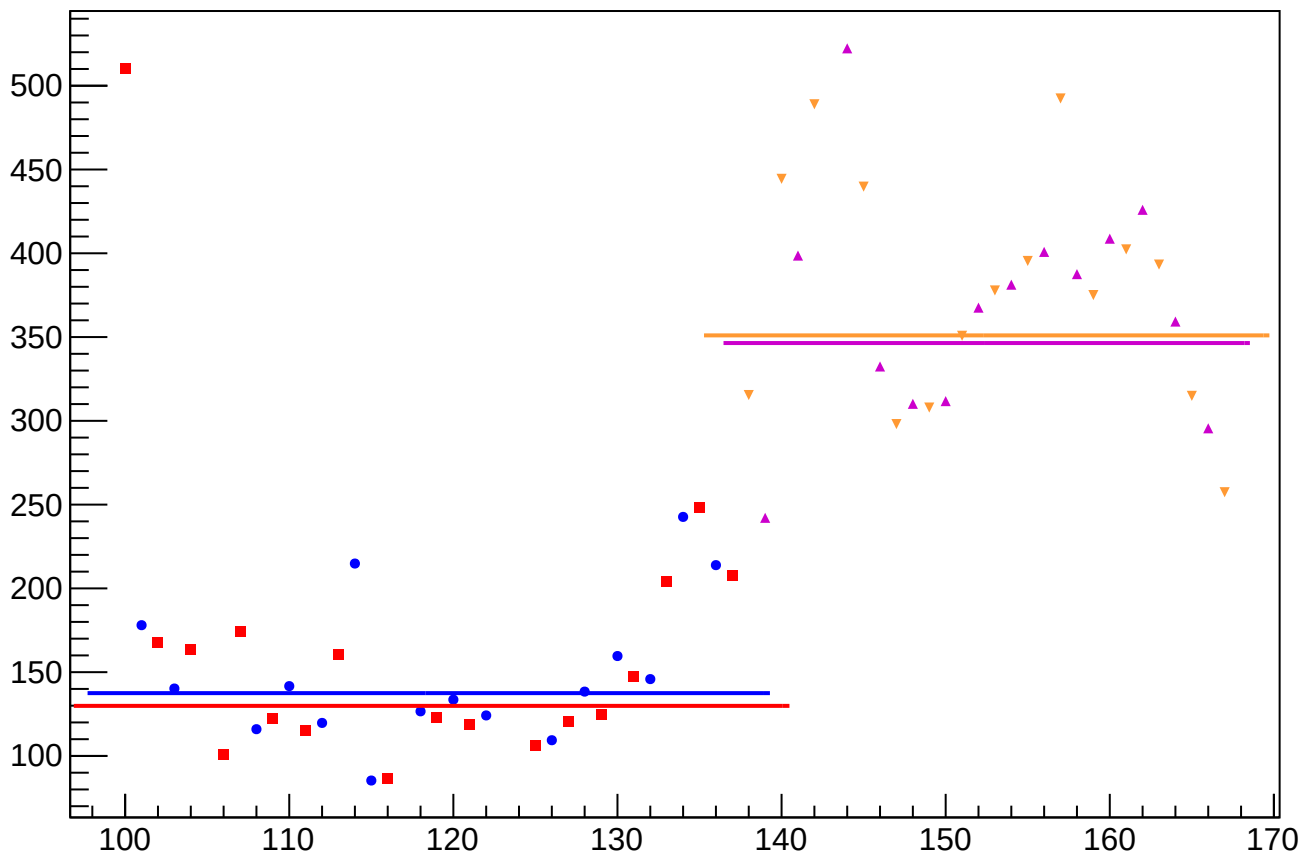
Left In: 0.026 ± 0.105 χ^2/NDF : 20.4/13

+ sign -0.021 ± 0.048 χ^2/NDF : 38.8/30

All: -0.027 ± 0.034 χ^2/NDF : 85.9/62

- sign -0.033 ± 0.047 χ^2/NDF : 47.1/31

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF : 692947.9/15

Left Out: 351.002+/-0.074 χ^2/NDF : 741159.0/14

Right Out: 129.887+/-0.037 χ^2/NDF : 833983.9/17

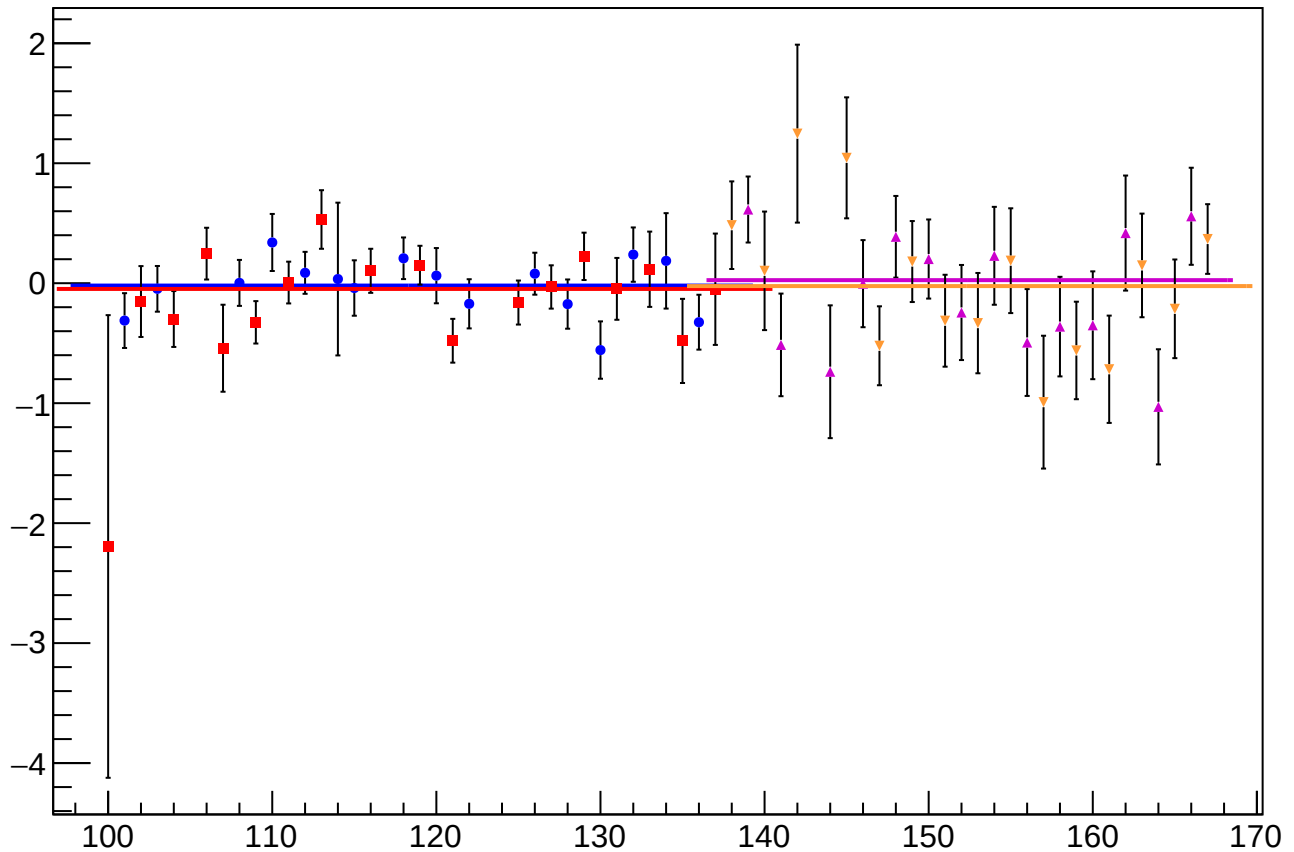
Left In: 346.430+/-0.074 χ^2/NDF : 763277.6/13

+ sign 182.376+/-0.034 χ^2/NDF : 7956984.0/30

All: 177.594+/-0.024 χ^2/NDF : 16375840.9/62

- sign 173.047+/-0.033 χ^2/NDF : 8380413.2/31

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 χ^2/NDF : 16.0/15

Left Out: -0.024 ± 0.105 χ^2/NDF : 22.8/14

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

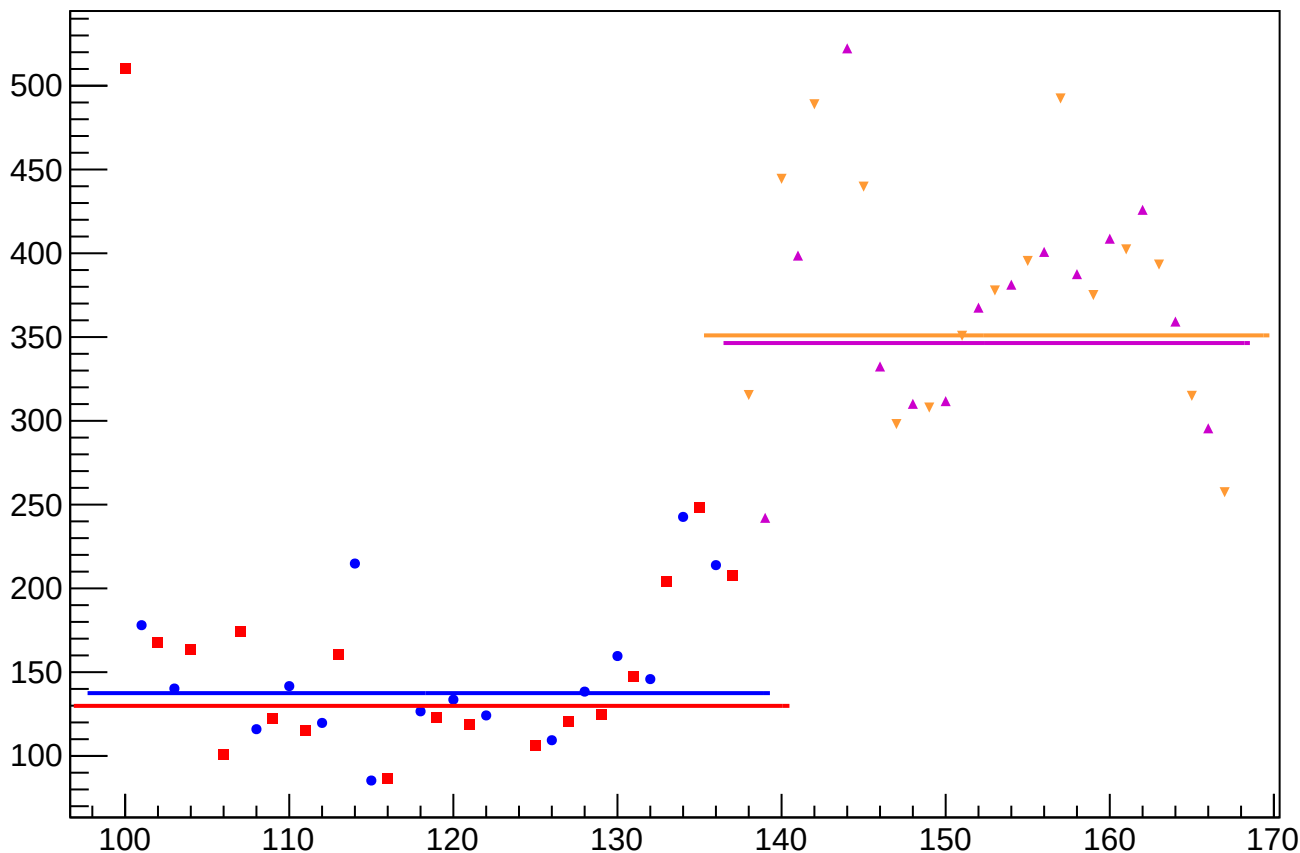
Left In: 0.026 ± 0.105 χ^2/NDF : 20.4/13

+ sign -0.021 ± 0.048 χ^2/NDF : 38.8/30

All: -0.027 ± 0.034 χ^2/NDF : 85.9/62

- sign -0.033 ± 0.047 χ^2/NDF : 47.1/31

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: 351.002 +/- 0.074 χ^2/NDF : 741159.0/14

Right Out: 129.887 +/- 0.037 χ^2/NDF : 833983.9/17

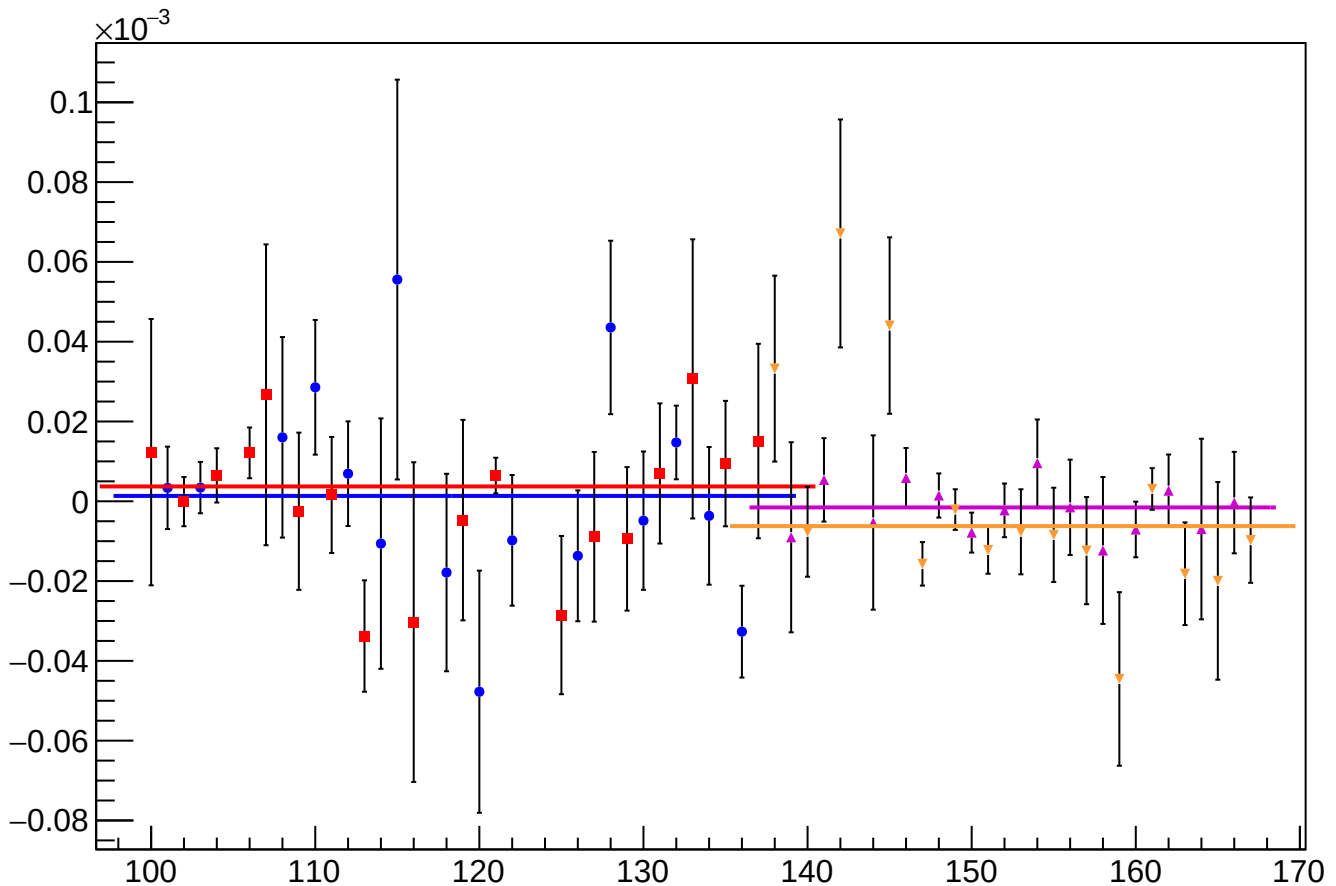
Left In: 346.430 +/- 0.074 χ^2/NDF : 763277.6/13

+ sign 182.376 +/- 0.034 χ^2/NDF : 7956984.0/30

All: 177.594 +/- 0.024 χ^2/NDF : 16375840.9/62

- sign 173.047 +/- 0.033 χ^2/NDF : 8380413.2/31

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:27.1/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/17

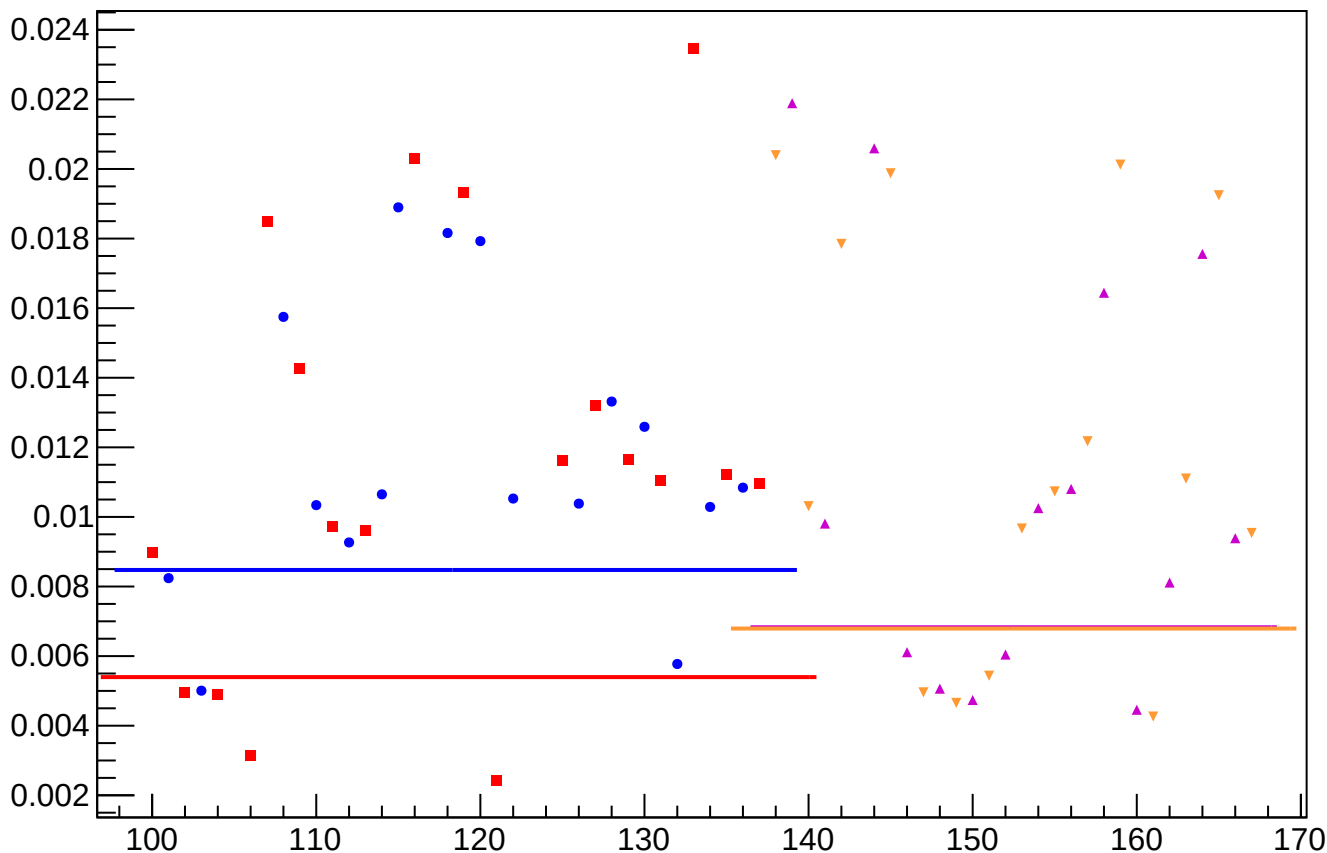
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:5.7/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.4/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 81.7/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/31

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: 0.007+/-0.000 χ^2/NDF : 5328732.7/14

Right Out: 0.005+/-0.000 χ^2/NDF : 4909074.3/17

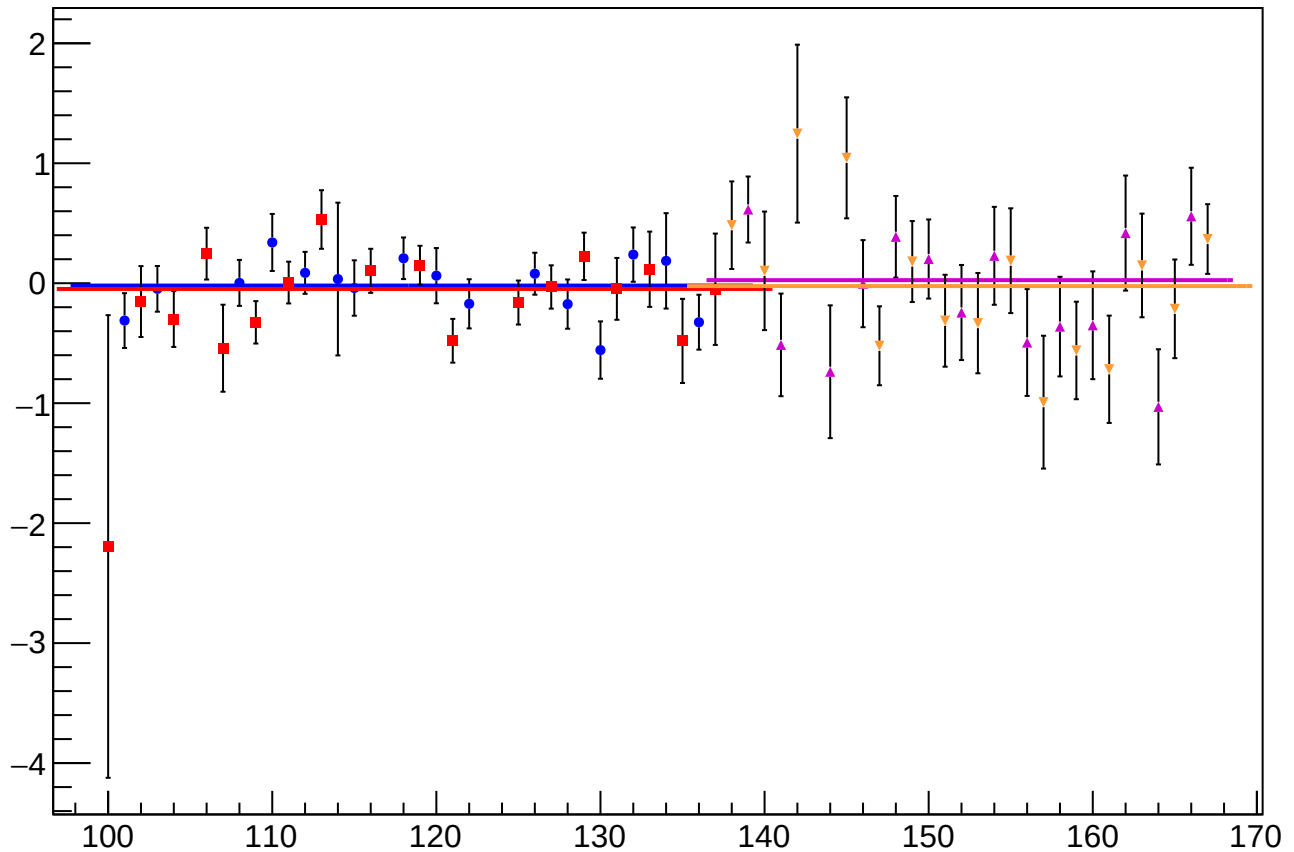
Left In: 0.007+/-0.000 χ^2/NDF : 4118998.4/13

+ sign 0.007+/-0.000 χ^2/NDF : 7585116.7/30

All: 0.007+/-0.000 χ^2/NDF : 17354139.3/62

- sign 0.006+/-0.000 χ^2/NDF : 9375961.4/31

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: -0.024 ± 0.105 χ^2/NDF : 22.8/14

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

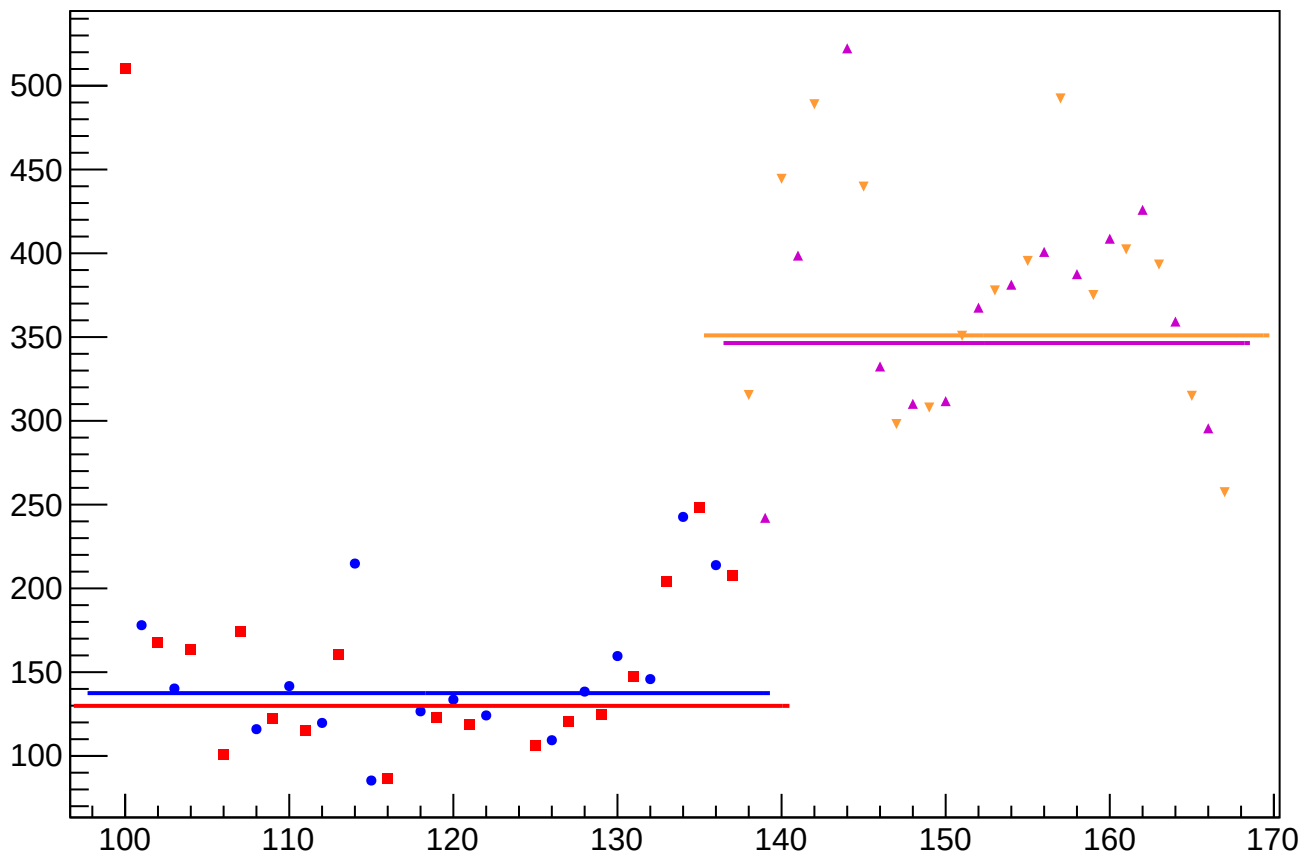
Left In: 0.026 ± 0.105 χ^2/NDF : 20.4/13

+ sign -0.021 ± 0.048 χ^2/NDF : 38.9/30

All: -0.027 ± 0.034 χ^2/NDF : 85.9/62

- sign -0.033 ± 0.047 χ^2/NDF : 47.1/31

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692923.1/15

Left Out: 351.006 $\pm$ 0.074 χ^2 /NDF: 741205.1/14

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833937.8/17

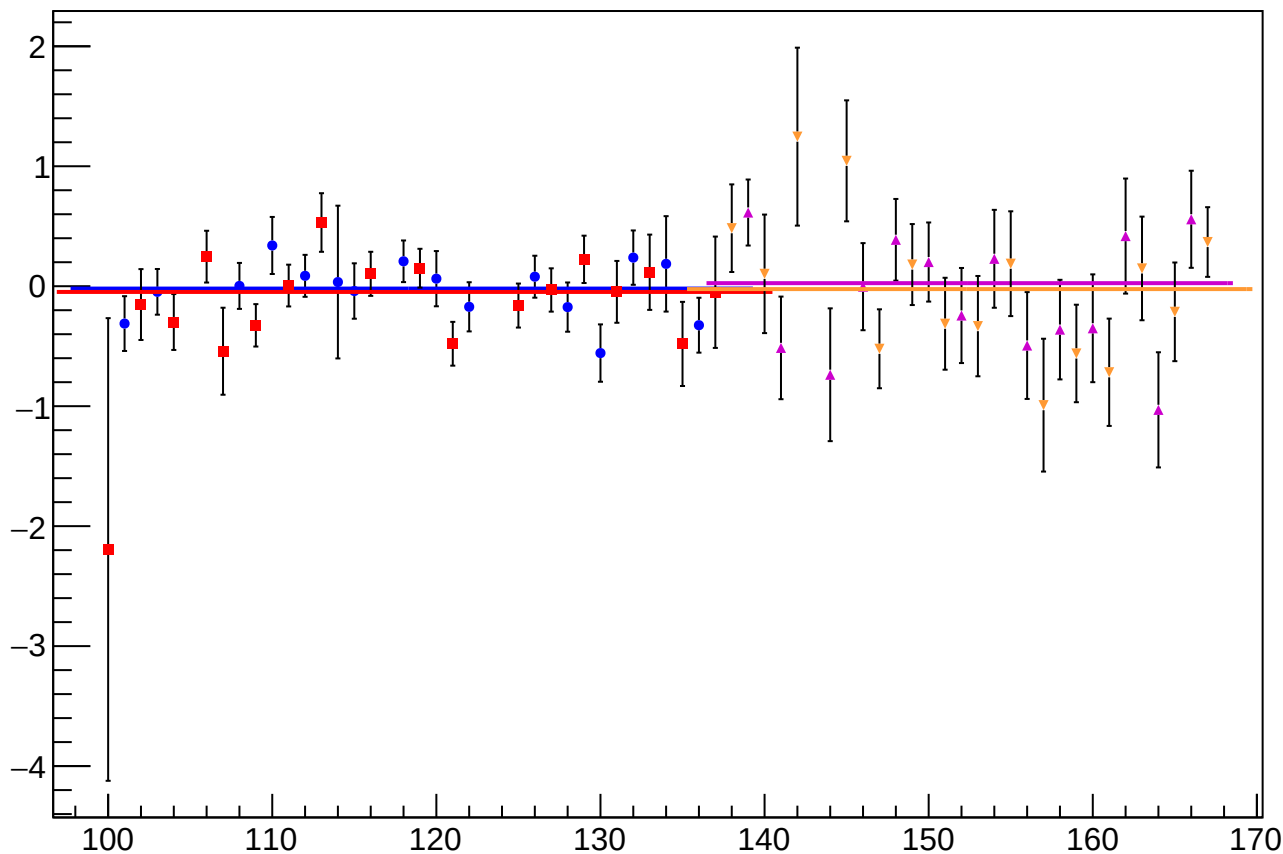
Left In: 346.436 $\pm$ 0.074 χ^2 /NDF: 763271.8/13

+ sign 182.375 $\pm$ 0.034 χ^2 /NDF: 7957145.2/30

All: 177.594 $\pm$ 0.024 χ^2 /NDF: 16376116.9/62

- sign 173.047 $\pm$ 0.033 χ^2 /NDF: 8380529.0/31

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: -0.024 ± 0.105 χ^2/NDF : 22.8/14

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

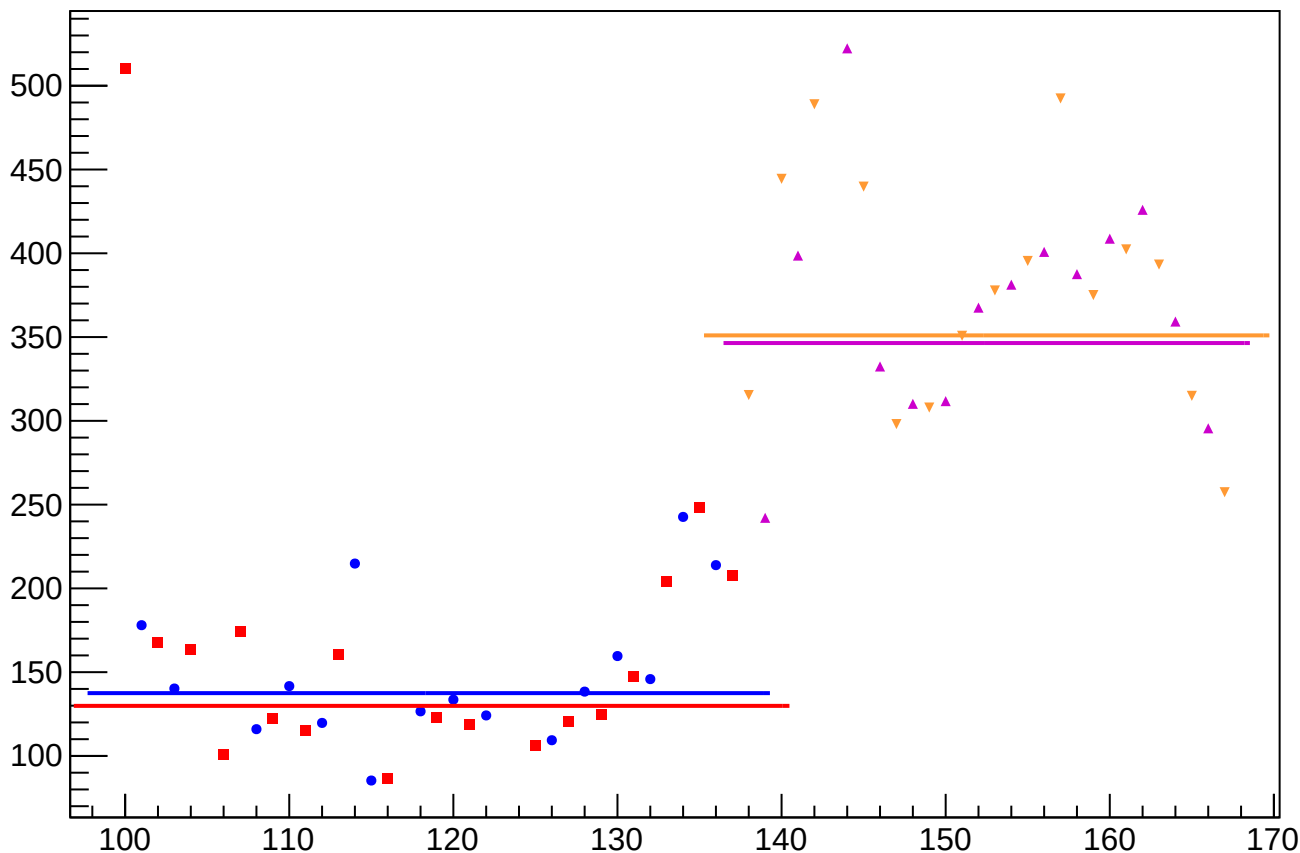
Left In: 0.026 ± 0.105 χ^2/NDF : 20.4/13

+ sign -0.021 ± 0.048 χ^2/NDF : 38.9/30

All: -0.027 ± 0.034 χ^2/NDF : 85.9/62

- sign -0.033 ± 0.047 χ^2/NDF : 47.1/31

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492 +/- 0.038 χ^2/NDF : 692923.1/15

Left Out: 351.006 +/- 0.074 χ^2/NDF : 741205.1/14

Right Out: 129.887 +/- 0.037 χ^2/NDF : 833937.8/17

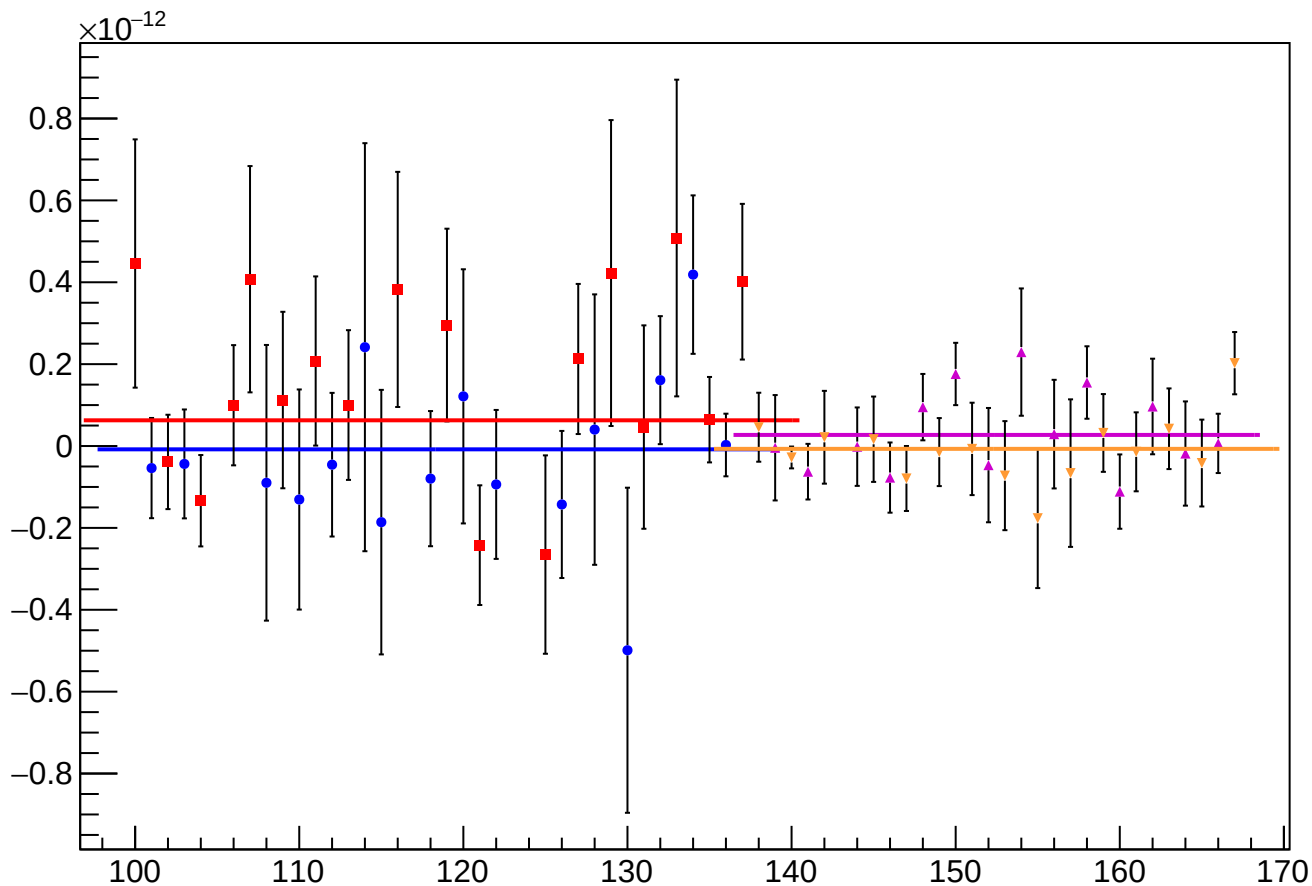
Left In: 346.436 +/- 0.074 χ^2/NDF : 763271.8/13

+ sign 182.375 +/- 0.034 χ^2/NDF : 7957145.2/30

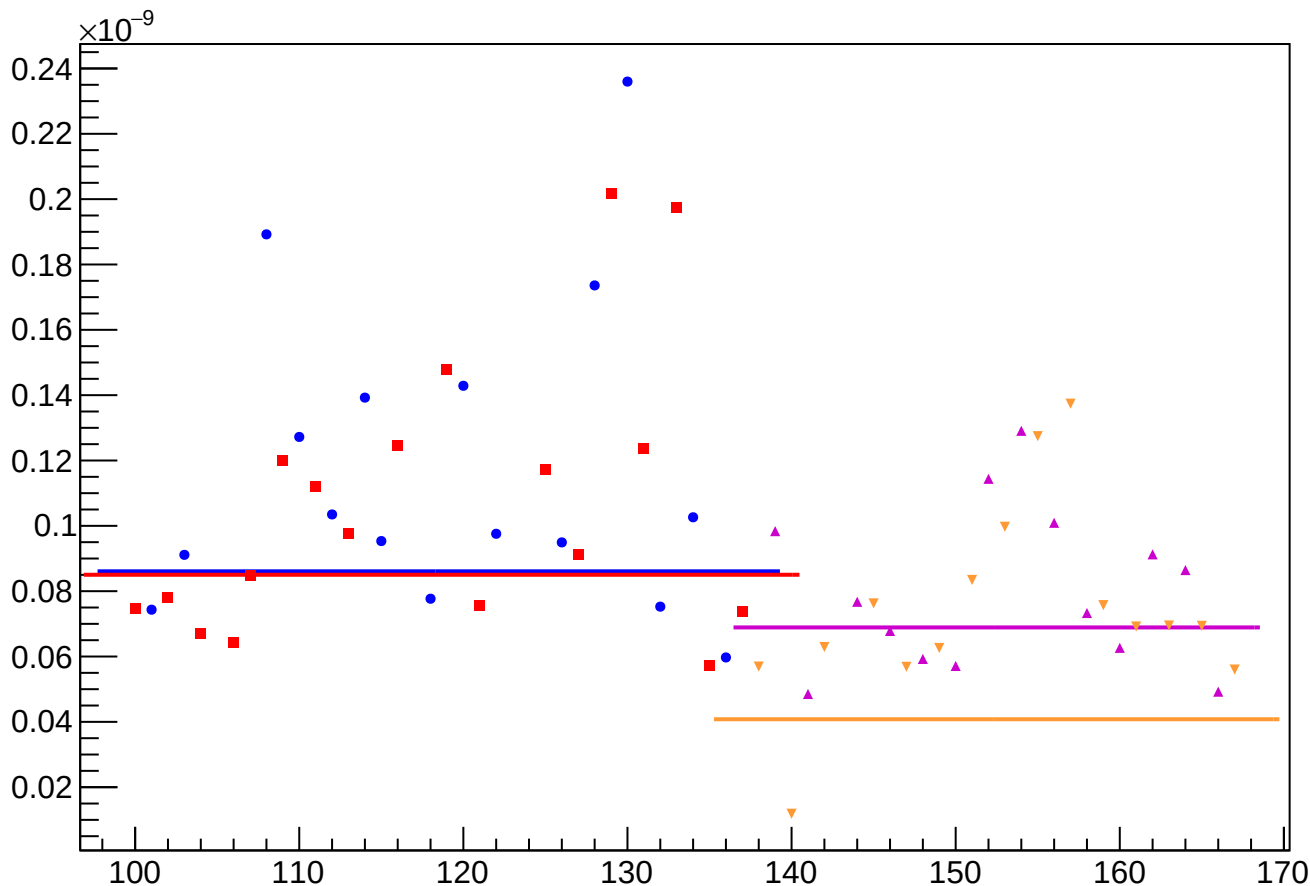
All: 177.594 +/- 0.024 χ^2/NDF : 16376116.9/62

- sign 173.047 +/- 0.033 χ^2/NDF : 8380529.0/31

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1072075.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:5557421.8/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 983211.4/17

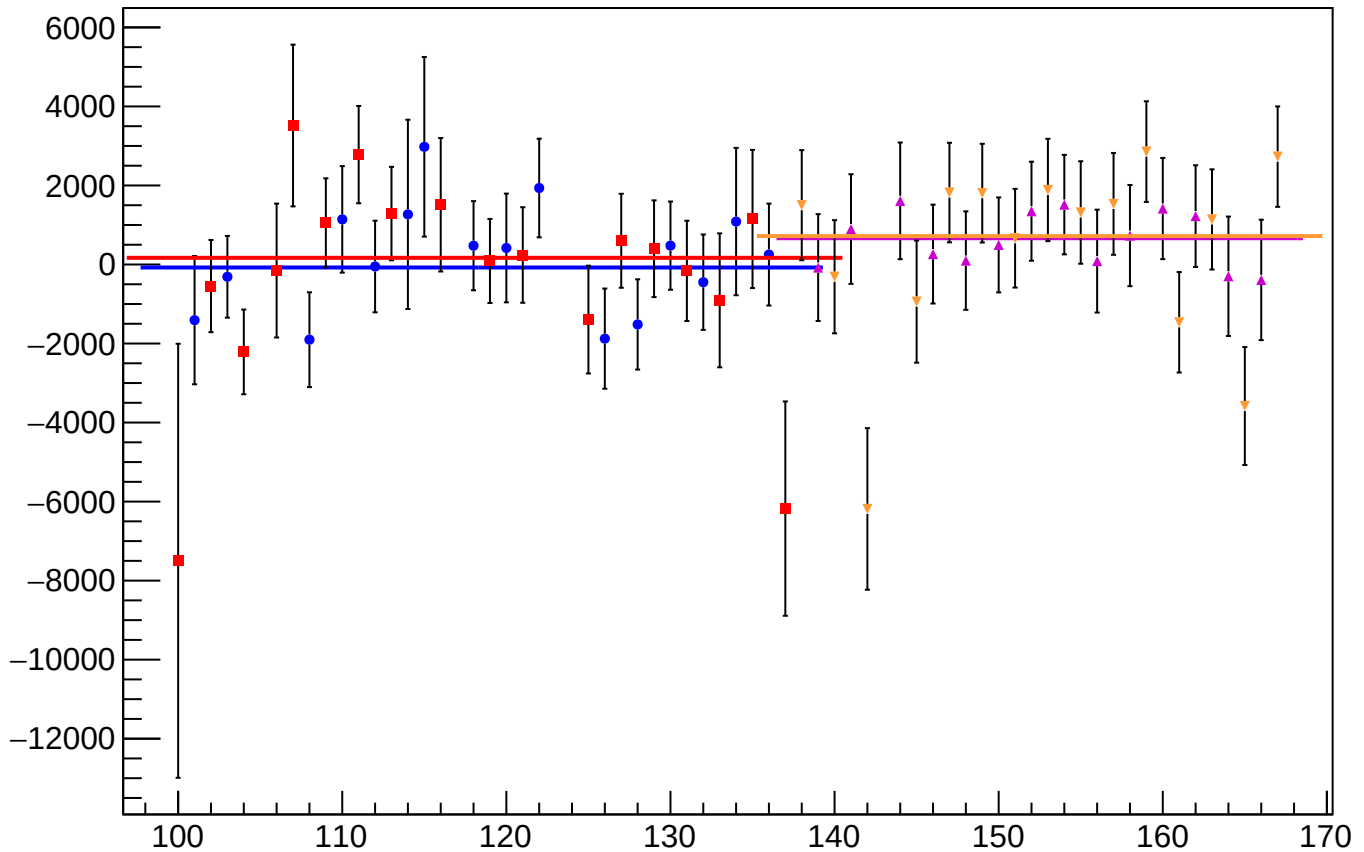
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1276662.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8526653.3/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12633247.9/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2478424.5/31

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944 ± 326.226 χ^2/NDF : 13.4/15

Left Out: 718.795 ± 347.271 χ^2/NDF : 33.0/14

Right Out: 169.345 ± 321.827 χ^2/NDF : 24.4/17

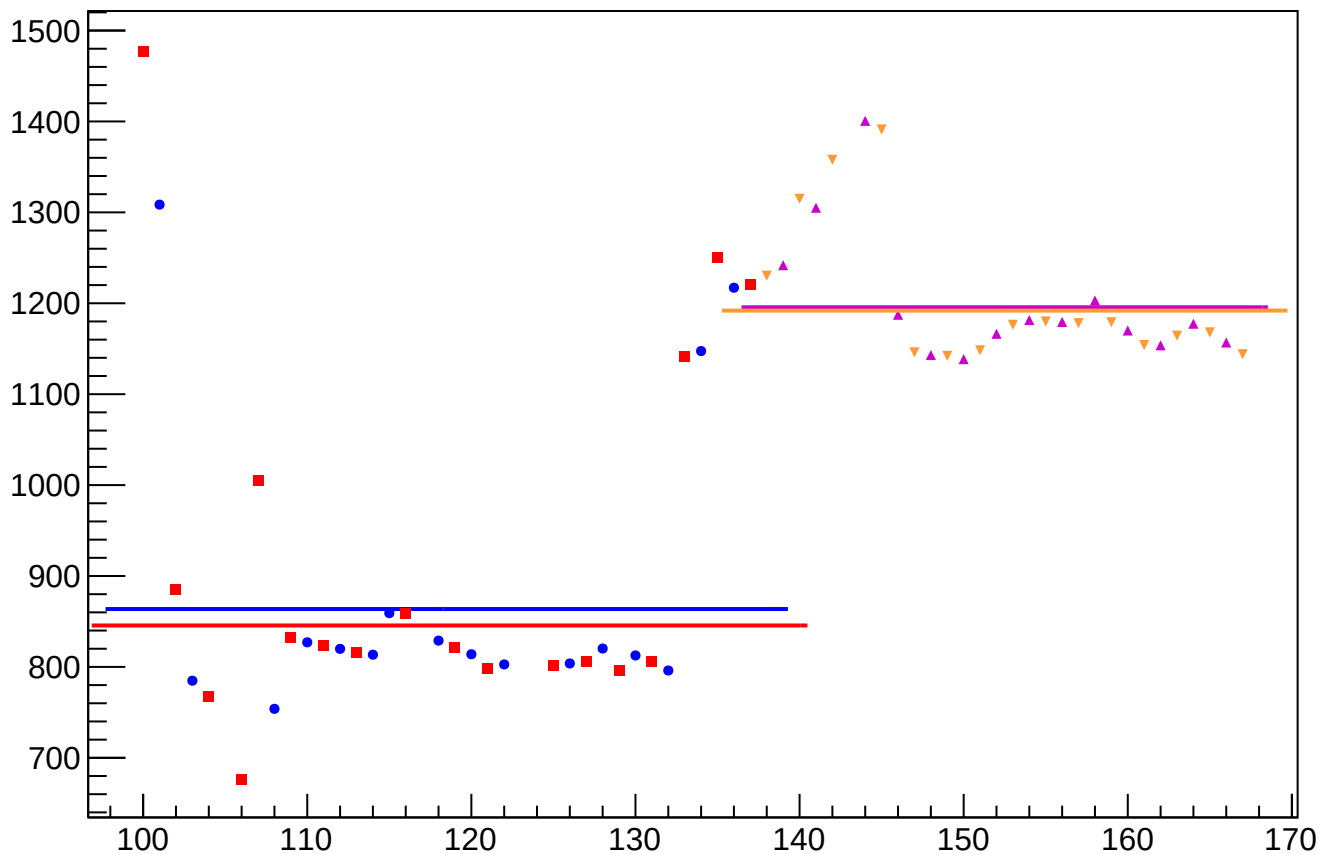
Left In: 664.915 ± 352.413 χ^2/NDF : 3.4/13

+ sign 296.617 ± 237.769 χ^2/NDF : 49.1/30

All: 345.682 ± 168.084 χ^2/NDF : 78.1/62

- sign 394.696 ± 237.645 χ^2/NDF : 28.9/31

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.8/15

Left Out: 1191.958 $\pm$ 0.246 χ^2 /NDF: 77921.8/14

Right Out: 845.579 $\pm$ 0.225 χ^2 /NDF: 307774.6/17

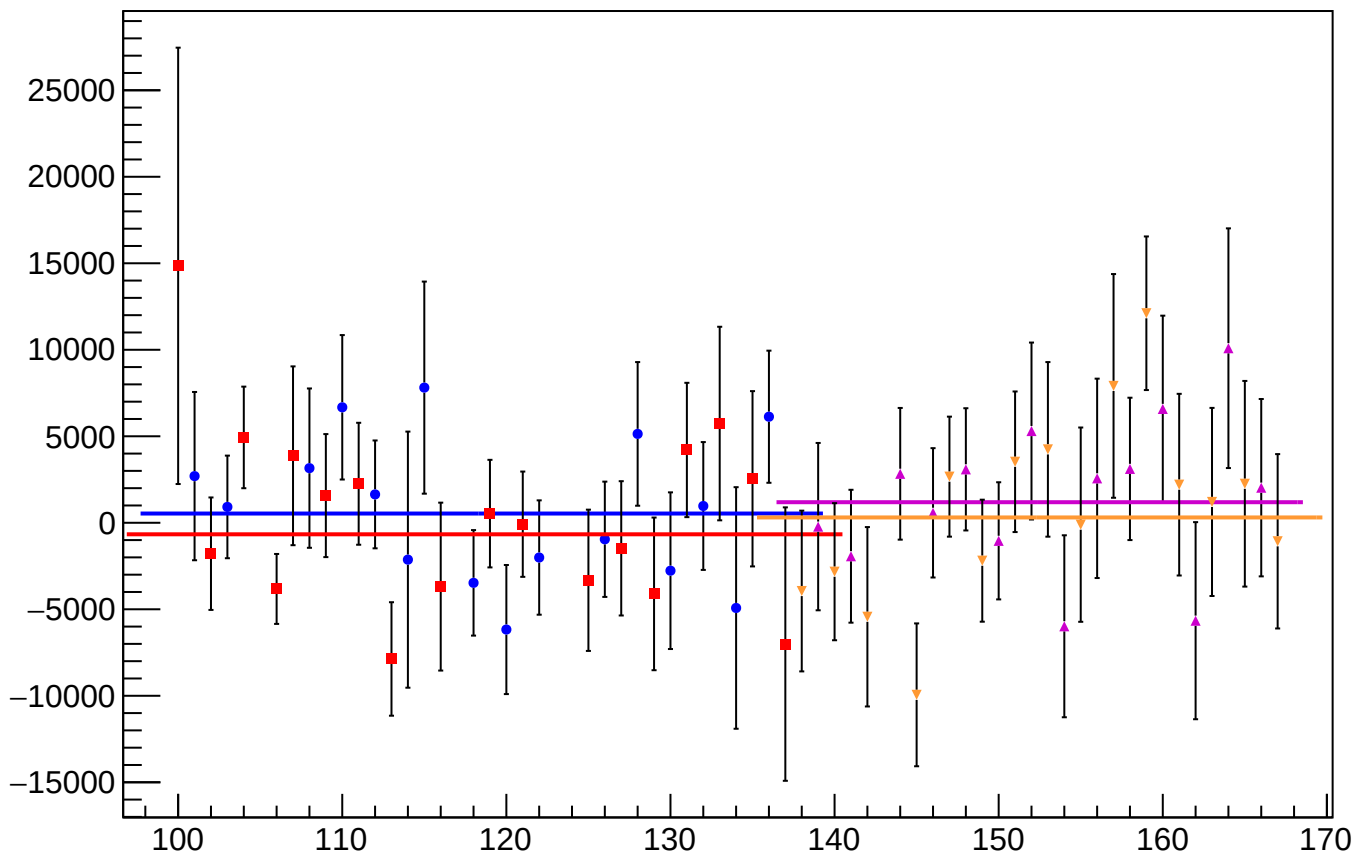
Left In: 1195.601 $\pm$ 0.249 χ^2 /NDF: 67723.1/13

+ sign 1017.562 $\pm$ 0.168 χ^2 /NDF: 1434927.2/30

All: 1010.020 $\pm$ 0.118 χ^2 /NDF: 2902369.0/62

- sign 1002.589 $\pm$ 0.167 χ^2 /NDF: 1463447.2/31

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507 ± 981.290 $\chi^2/\text{NDF}: 14.7/15$

Left Out: 308.024 ± 1183.901 $\chi^2/\text{NDF}: 19.9/14$

Right Out: -665.878 ± 864.970 $\chi^2/\text{NDF}: 20.0/17$

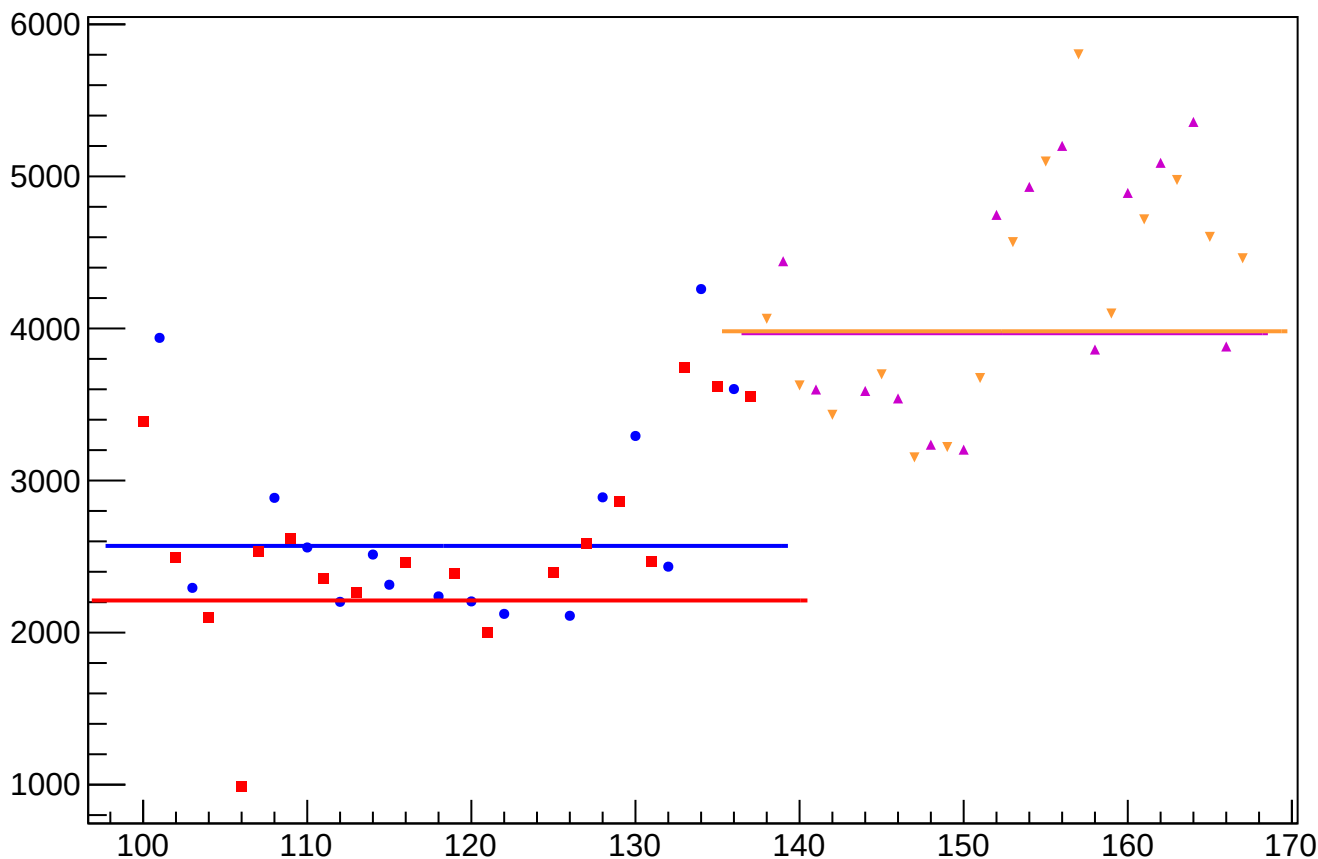
Left In: 1189.138 ± 1189.938 $\chi^2/\text{NDF}: 8.6/13$

+ sign 442.275 ± 755.507 $\chi^2/\text{NDF}: 34.5/30$

All: 190.961 ± 513.342 $\chi^2/\text{NDF}: 64.9/62$

- sign -24.569 ± 699.655 $\chi^2/\text{NDF}: 30.2/31$

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF : 662477.9/15

Left Out: 3981.548+/-0.837 χ^2/NDF : 679926.3/14

Right Out: 2211.269+/-0.612 χ^2/NDF : 1264087.9/17

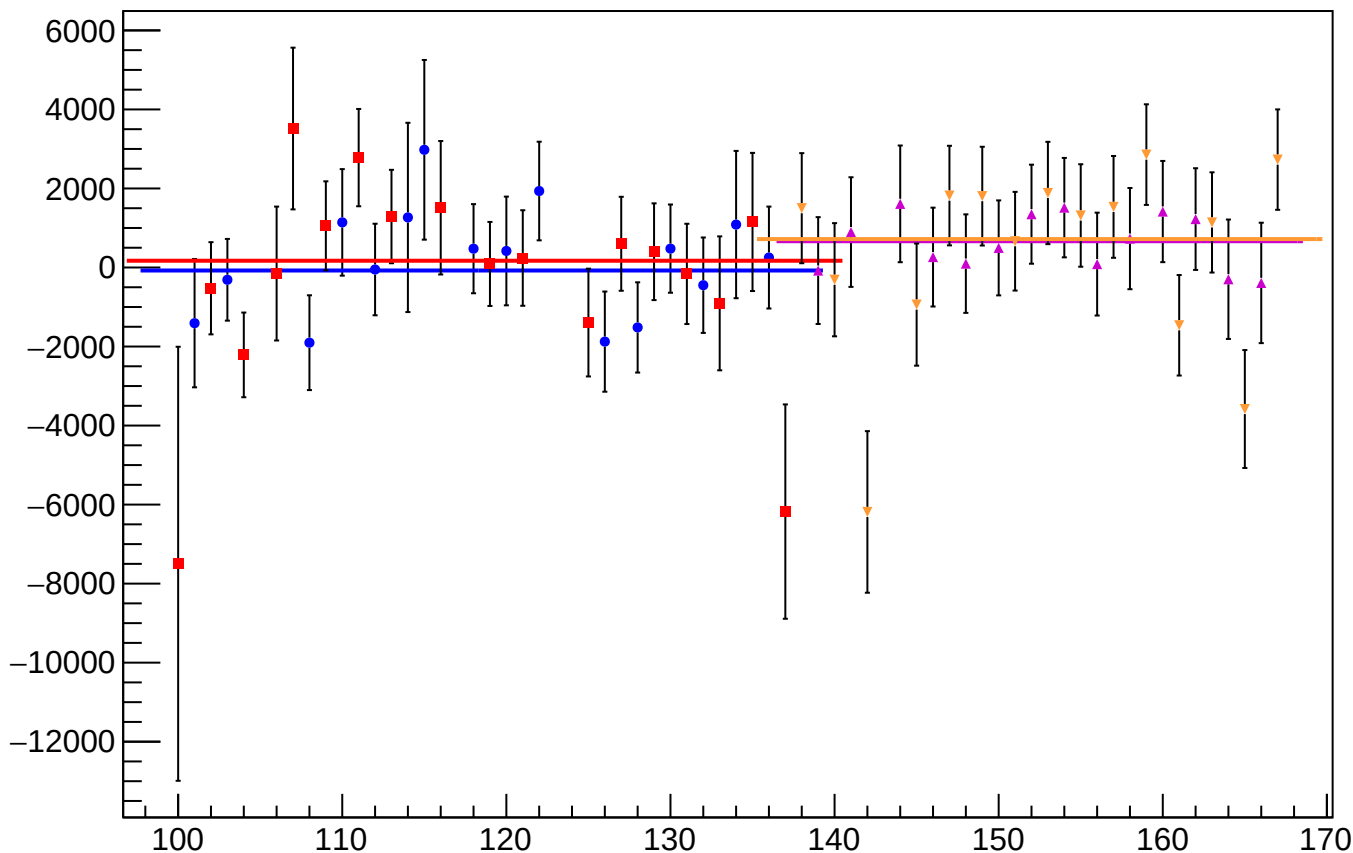
Left In: 3968.769+/-0.841 χ^2/NDF : 695465.9/13

+ sign 3144.913+/-0.534 χ^2/NDF : 3027361.8/30

All: 2969.393+/-0.363 χ^2/NDF : 8041987.9/62

- sign 2818.865+/-0.495 χ^2/NDF : 4814105.7/31

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 $\chi^2/\text{NDF}: 13.3/15$

Left Out: 718.781 ± 347.271 $\chi^2/\text{NDF}: 33.0/14$

Right Out: 170.982 ± 321.832 $\chi^2/\text{NDF}: 24.4/17$

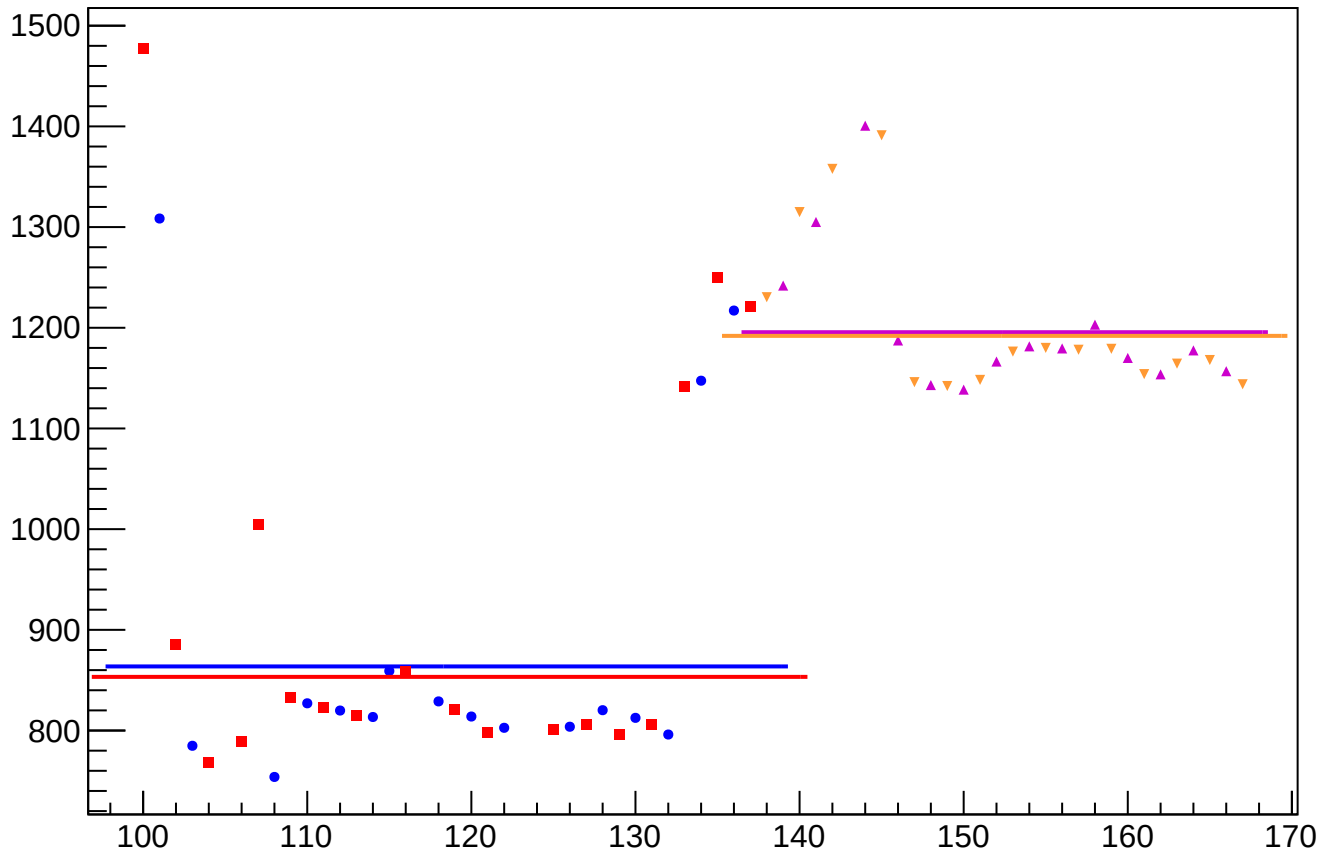
Left In: 664.936 ± 352.413 $\chi^2/\text{NDF}: 3.4/13$

+ sign 296.568 ± 237.769 $\chi^2/\text{NDF}: 49.2/30$

All: 346.111 ± 168.085 $\chi^2/\text{NDF}: 78.1/62$

- sign 395.602 ± 237.647 $\chi^2/\text{NDF}: 28.9/31$

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 ± 0.231 χ^2/NDF : 407498.5/15

Left Out: 1191.958 ± 0.246 χ^2/NDF : 77921.8/14

Right Out: 853.289 ± 0.226 χ^2/NDF : 275357.1/17

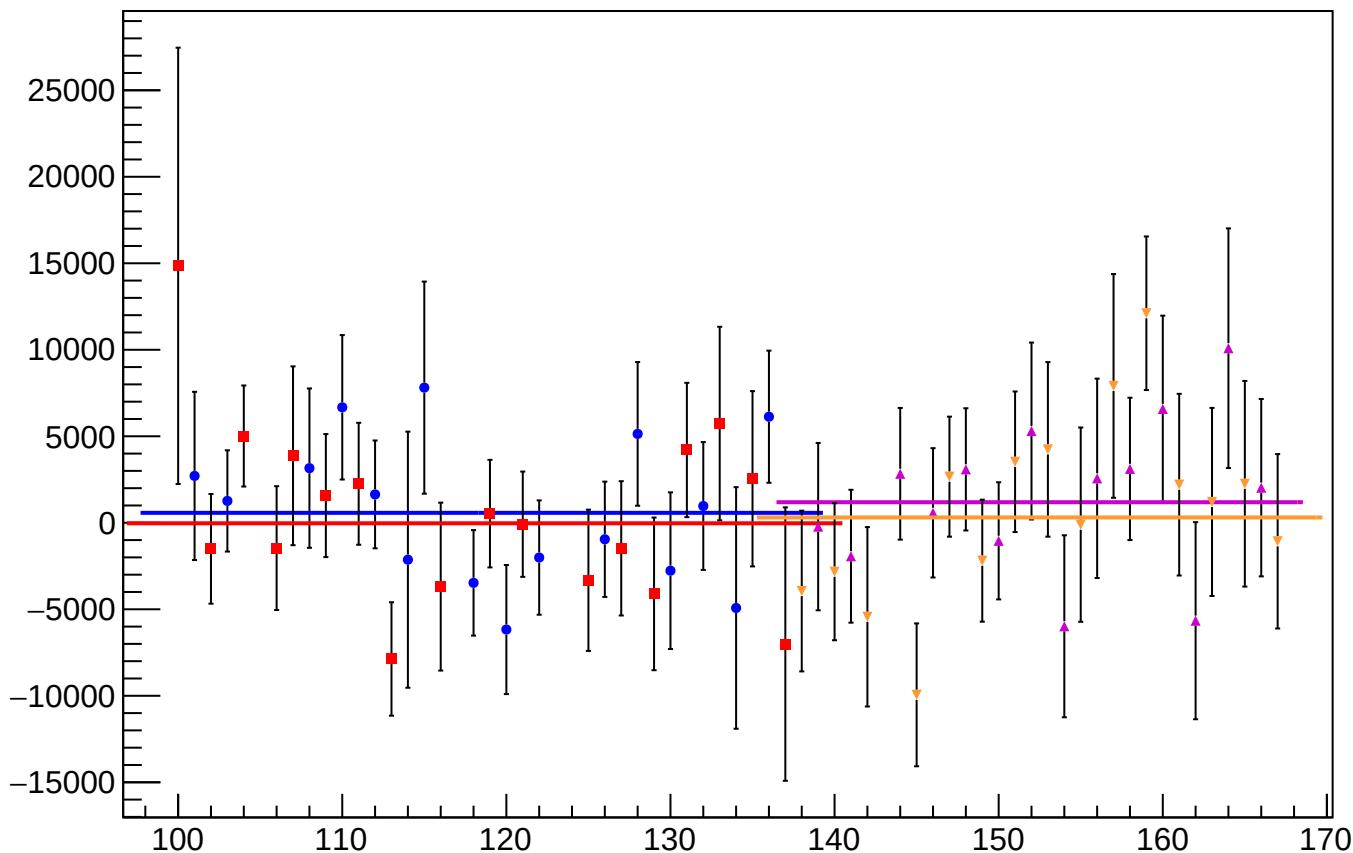
Left In: 1195.601 ± 0.249 χ^2/NDF : 67723.1/13

+ sign 1017.562 ± 0.168 χ^2/NDF : 1434927.3/30

All: 1012.802 ± 0.119 χ^2/NDF : 2813355.0/62

- sign 1008.073 ± 0.168 χ^2/NDF : 1376830.0/31

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964 ± 979.856 χ^2/NDF : 14.7/15

Left Out: 308.041 ± 1183.902 χ^2/NDF : 19.9/14

Right Out: -28.604 ± 922.115 χ^2/NDF : 17.2/17

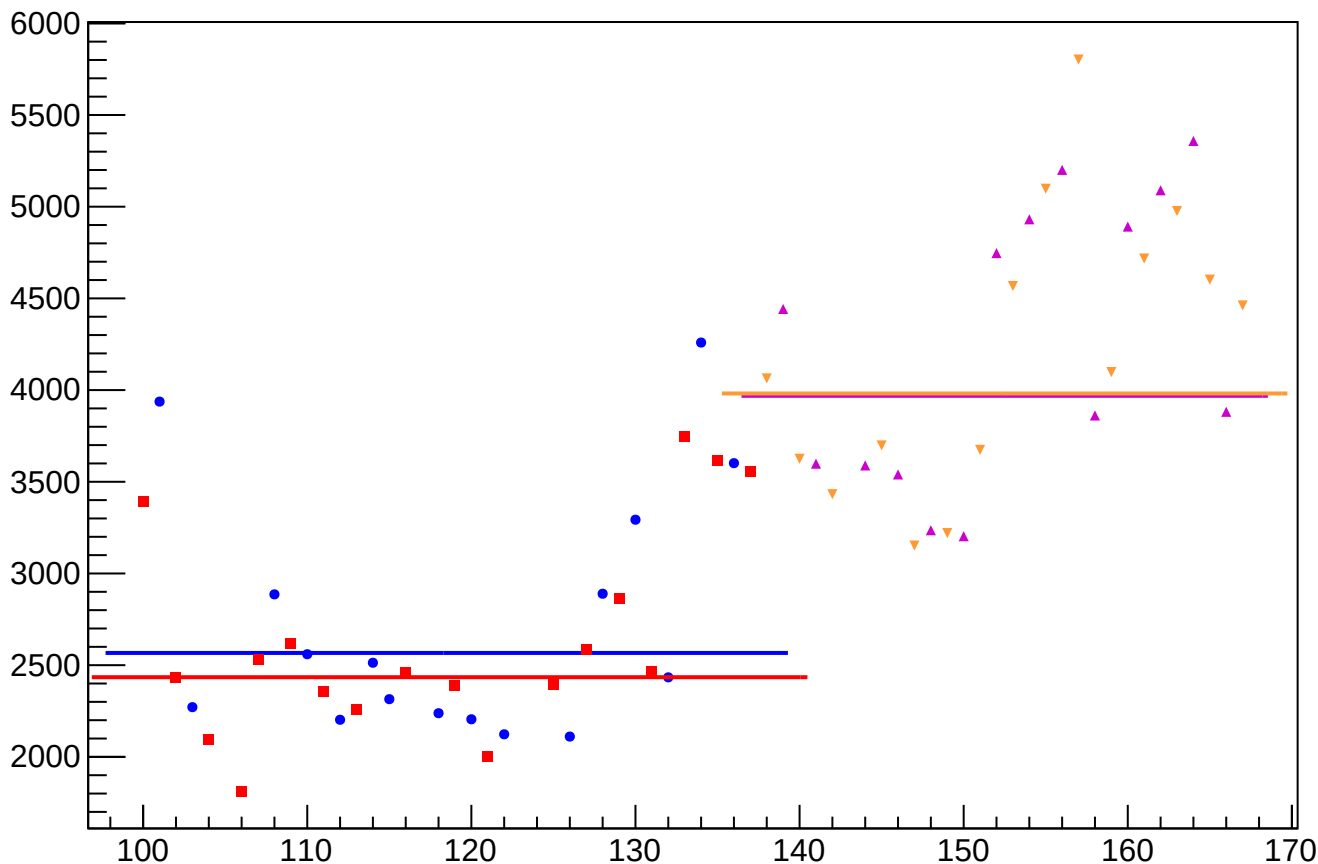
Left In: 1189.180 ± 1189.936 χ^2/NDF : 8.6/13

+ sign 466.452 ± 754.852 χ^2/NDF : 34.6/30

All: 446.713 ± 524.337 χ^2/NDF : 61.0/62

- sign 428.309 ± 728.879 χ^2/NDF : 26.4/31

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732 $\pm$ 0.693 χ^2 /NDF: 665871.6/15

Left Out: 3981.548 $\pm$ 0.837 χ^2 /NDF: 679926.0/14

Right Out: 2434.430 $\pm$ 0.652 χ^2 /NDF: 434078.9/17

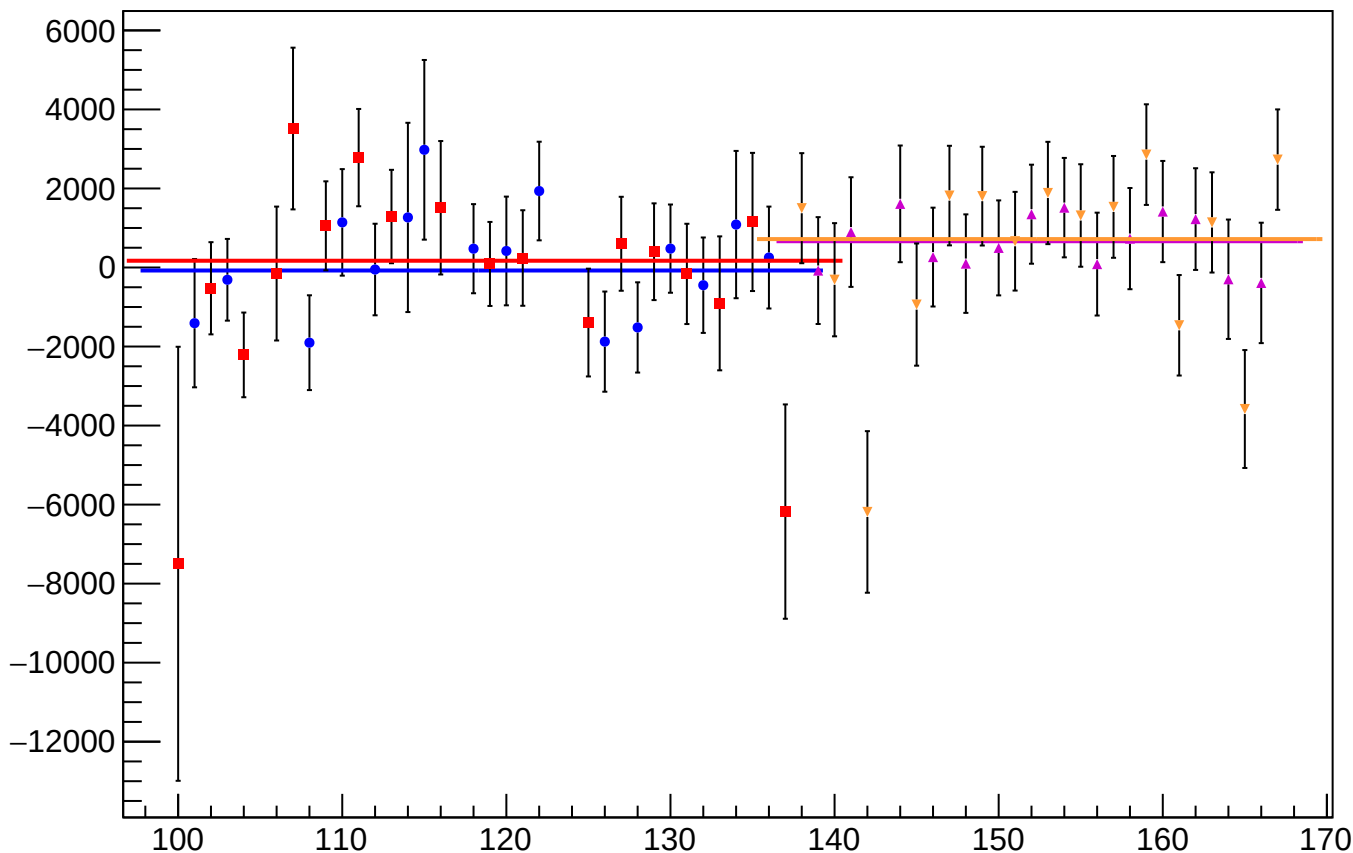
Left In: 3968.764 $\pm$ 0.841 χ^2 /NDF: 695468.0/13

+ sign 3141.897 $\pm$ 0.534 χ^2 /NDF: 3040906.0/30

All: 3073.699 $\pm$ 0.371 χ^2 /NDF: 6279603.6/62

- sign 3010.113 $\pm$ 0.515 χ^2 /NDF: 3207151.7/31

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 χ^2/NDF : 13.3/15

Left Out: 718.781 ± 347.271 χ^2/NDF : 33.0/14

Right Out: 170.982 ± 321.832 χ^2/NDF : 24.4/17

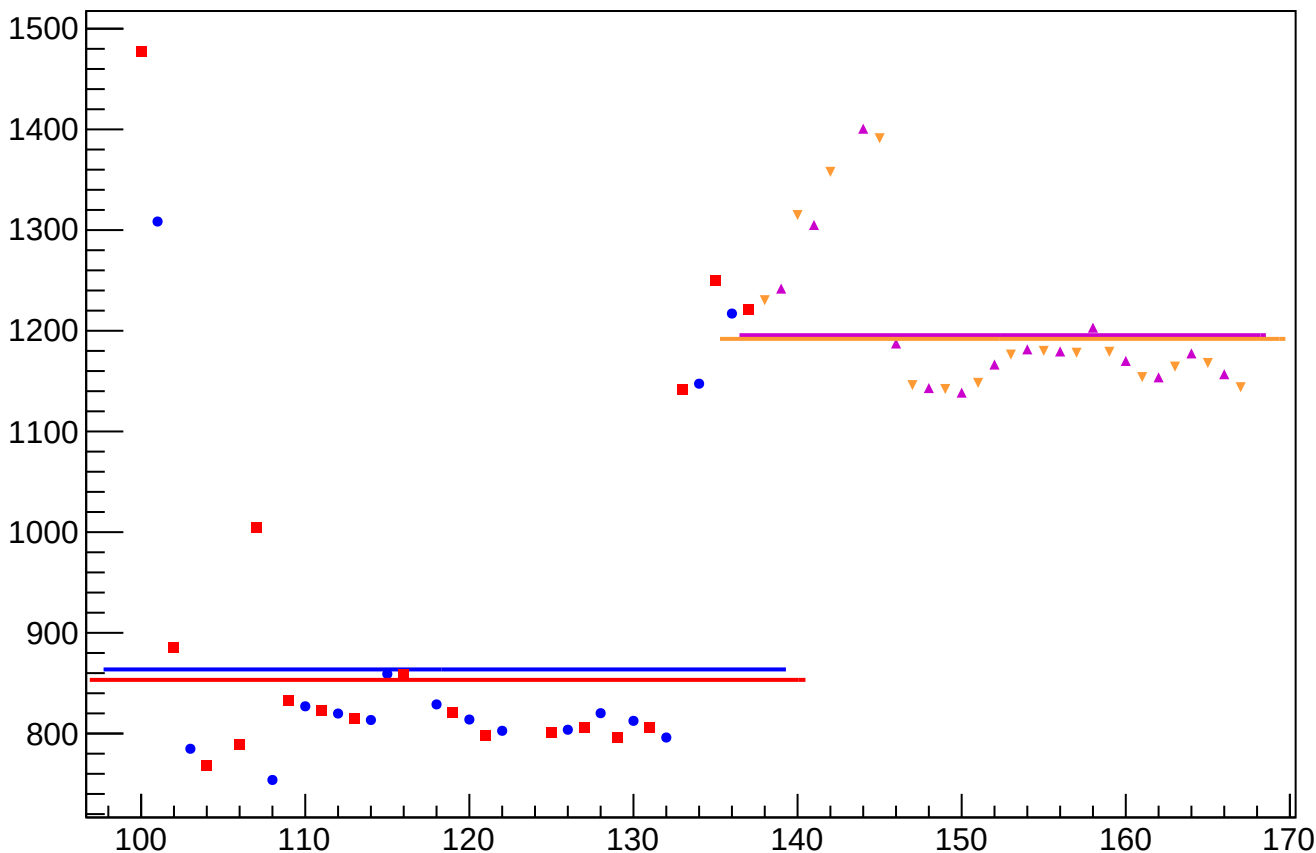
Left In: 664.936 ± 352.413 χ^2/NDF : 3.4/13

+ sign 296.568 ± 237.769 χ^2/NDF : 49.2/30

All: 346.111 ± 168.085 χ^2/NDF : 78.1/62

- sign 395.602 ± 237.647 χ^2/NDF : 28.9/31

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.5/15

Left Out: 1191.958 $\pm$ 0.246 χ^2 /NDF: 77921.8/14

Right Out: 853.289 $\pm$ 0.226 χ^2 /NDF: 275357.1/17

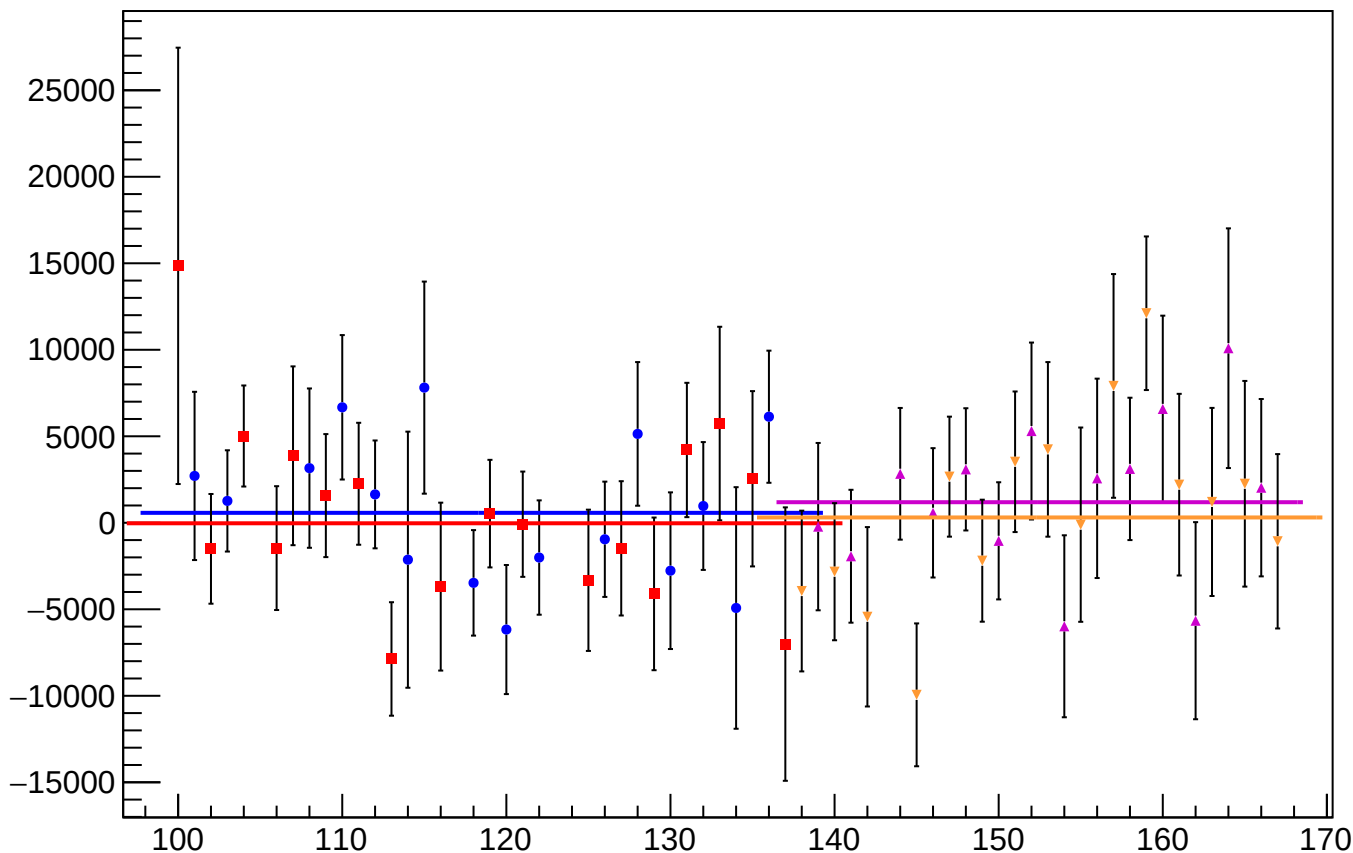
Left In: 1195.601 $\pm$ 0.249 χ^2 /NDF: 67723.1/13

+ sign 1017.562 $\pm$ 0.168 χ^2 /NDF: 1434927.3/30

All: 1012.802 $\pm$ 0.119 χ^2 /NDF: 2813355.0/62

- sign 1008.073 $\pm$ 0.168 χ^2 /NDF: 1376830.0/31

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: 308.041 $\pm$ 1183.902 χ^2/NDF : 19.9/14

Right Out: -28.604 $\pm$ 922.115 χ^2/NDF : 17.2/17

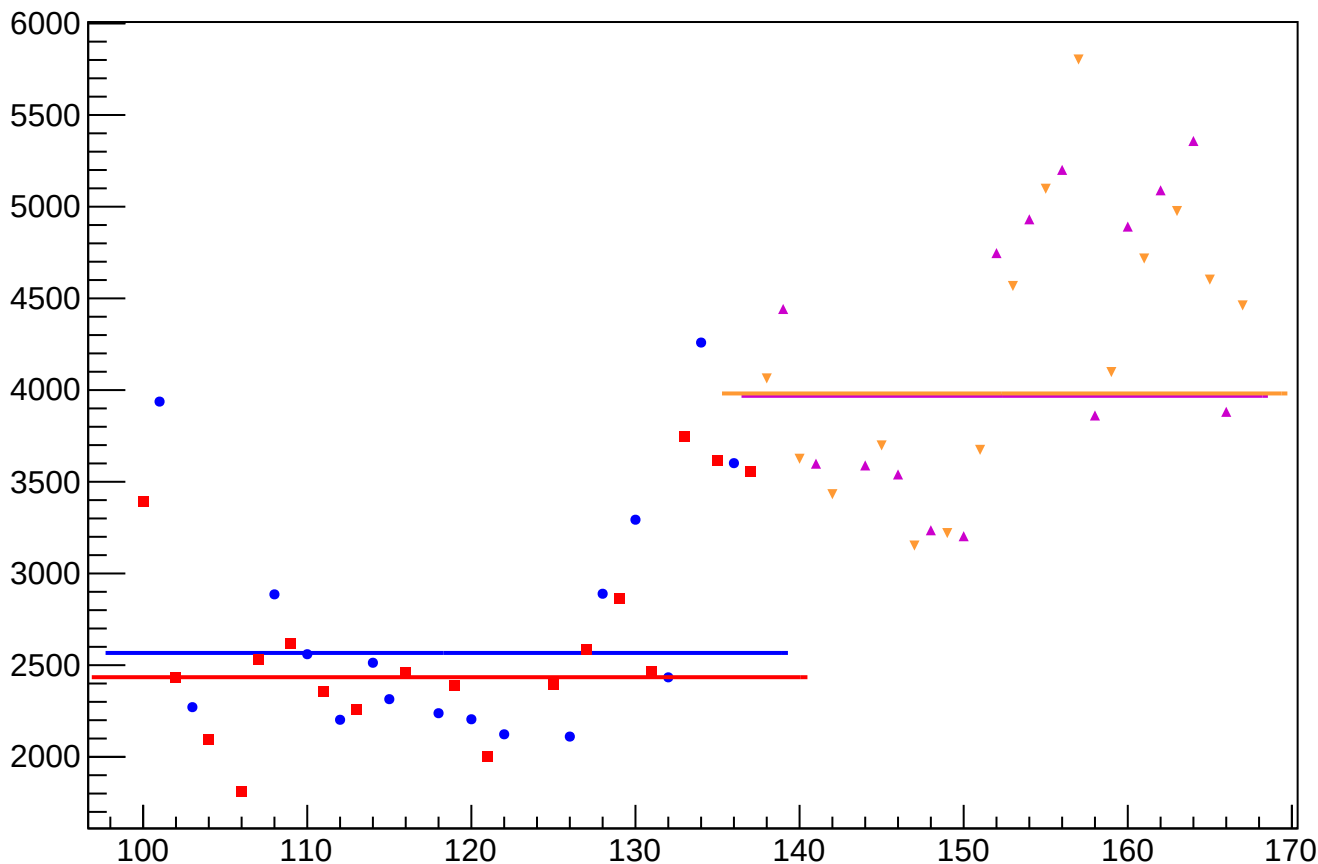
Left In: 1189.180 $\pm$ 1189.936 χ^2/NDF : 8.6/13

+ sign 466.452 $\pm$ 754.852 χ^2/NDF : 34.6/30

All: 446.713 $\pm$ 524.337 χ^2/NDF : 61.0/62

- sign 428.309 $\pm$ 728.879 χ^2/NDF : 26.4/31

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: 3981.548 $\pm$ 0.837 χ^2 /NDF: 679926.0/14

Right Out: 2434.430 $\pm$ 0.652 χ^2 /NDF: 434078.9/17

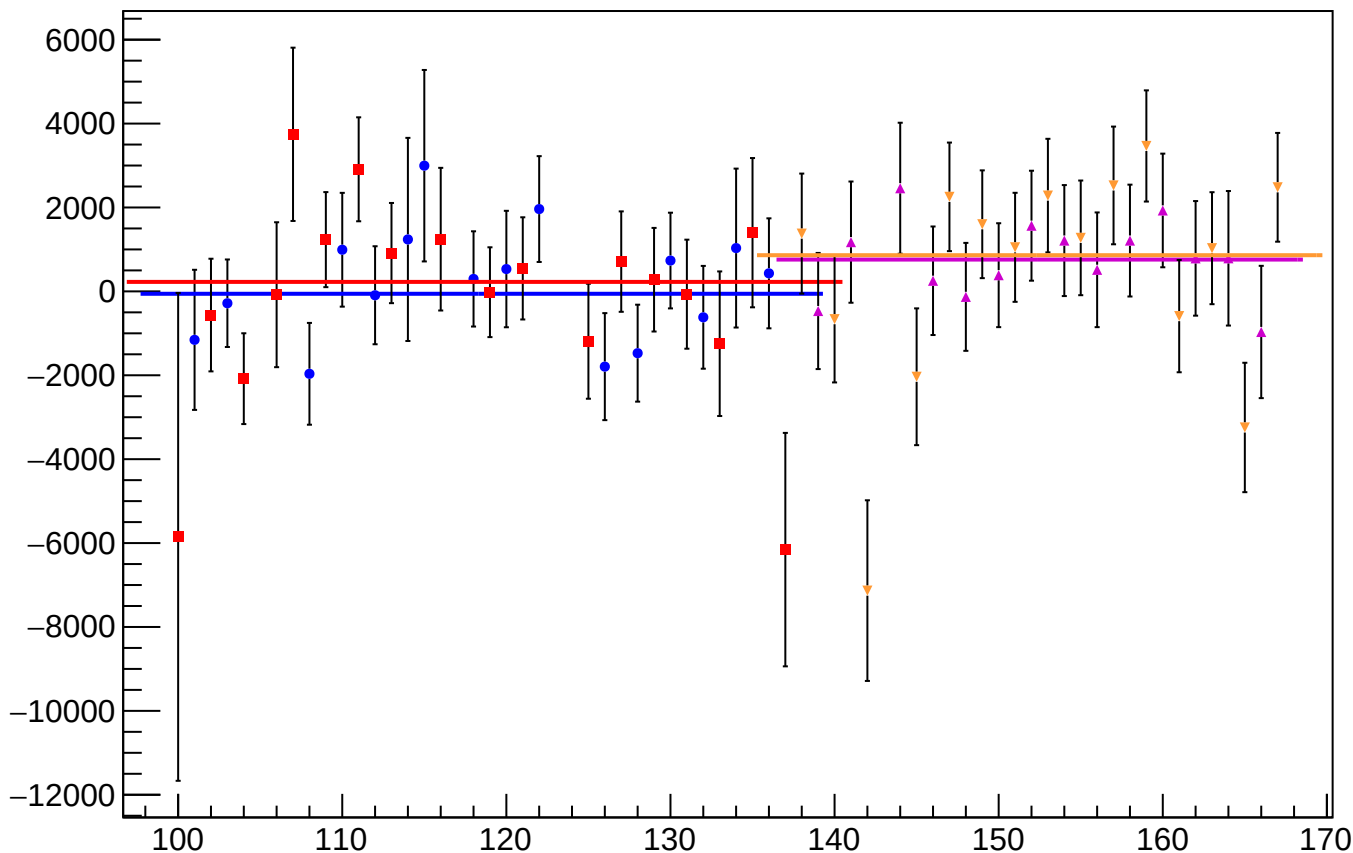
Left In: 3968.764 $\pm$ 0.841 χ^2 /NDF: 695468.0/13

+ sign 3141.897 $\pm$ 0.534 χ^2 /NDF: 3040906.0/30

All: 3073.699 $\pm$ 0.371 χ^2 /NDF: 6279603.6/62

- sign 3010.113 $\pm$ 0.515 χ^2 /NDF: 3207151.7/31

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208 ± 330.088 χ^2/NDF : 13.0/15

Left Out: 862.455 ± 362.536 χ^2/NDF : 35.9/14

Right Out: 226.075 ± 328.069 χ^2/NDF : 22.9/17

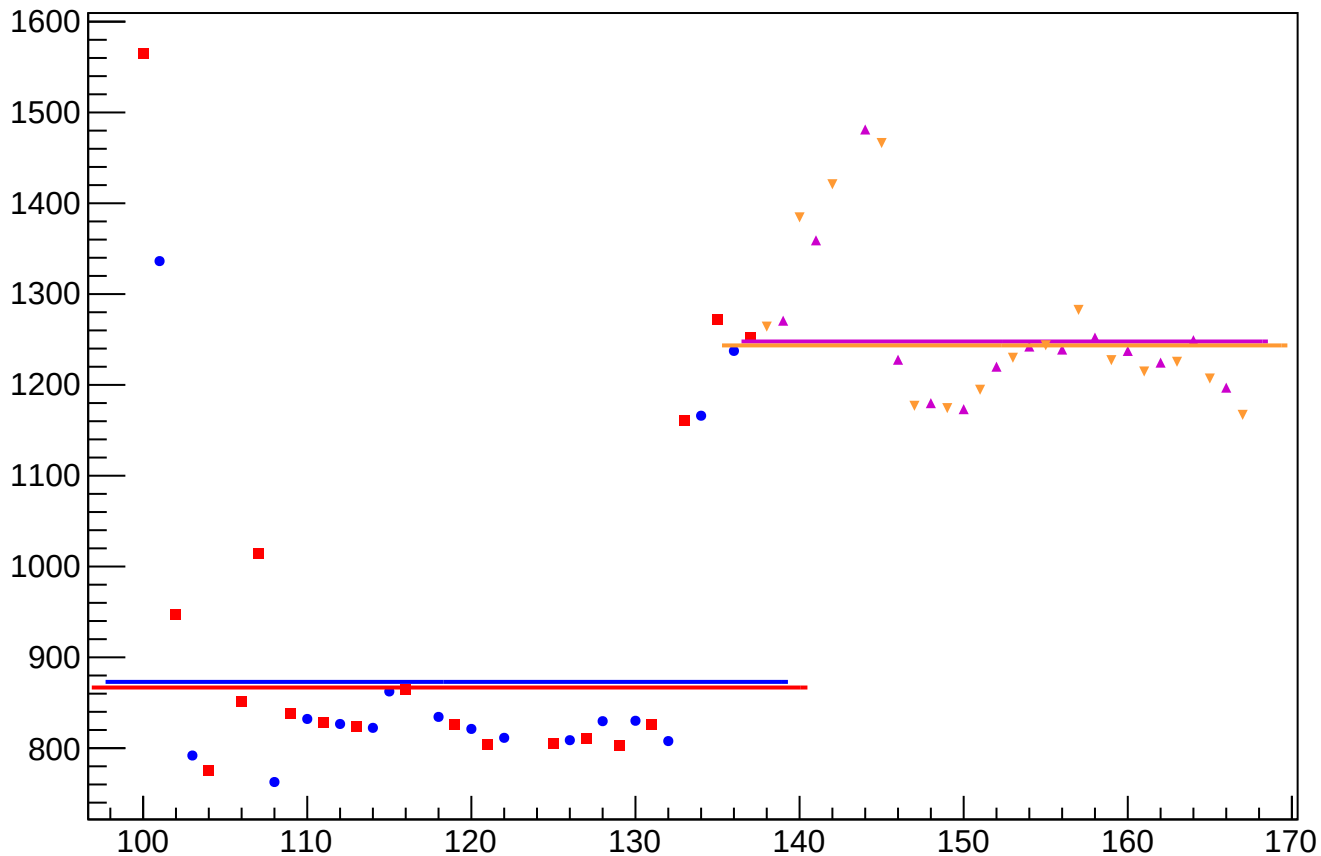
Left In: 758.201 ± 367.905 χ^2/NDF : 5.4/13

+ sign 359.633 ± 244.075 χ^2/NDF : 52.4/30

All: 410.543 ± 172.863 χ^2/NDF : 81.9/62

- sign 461.780 ± 244.857 χ^2/NDF : 29.4/31

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971 $\pm$ 0.233 χ^2 /NDF: 417099.2/15

Left Out: 1243.473 $\pm$ 0.256 χ^2 /NDF: 94151.4/14

Right Out: 866.772 $\pm$ 0.232 χ^2 /NDF: 290386.4/17

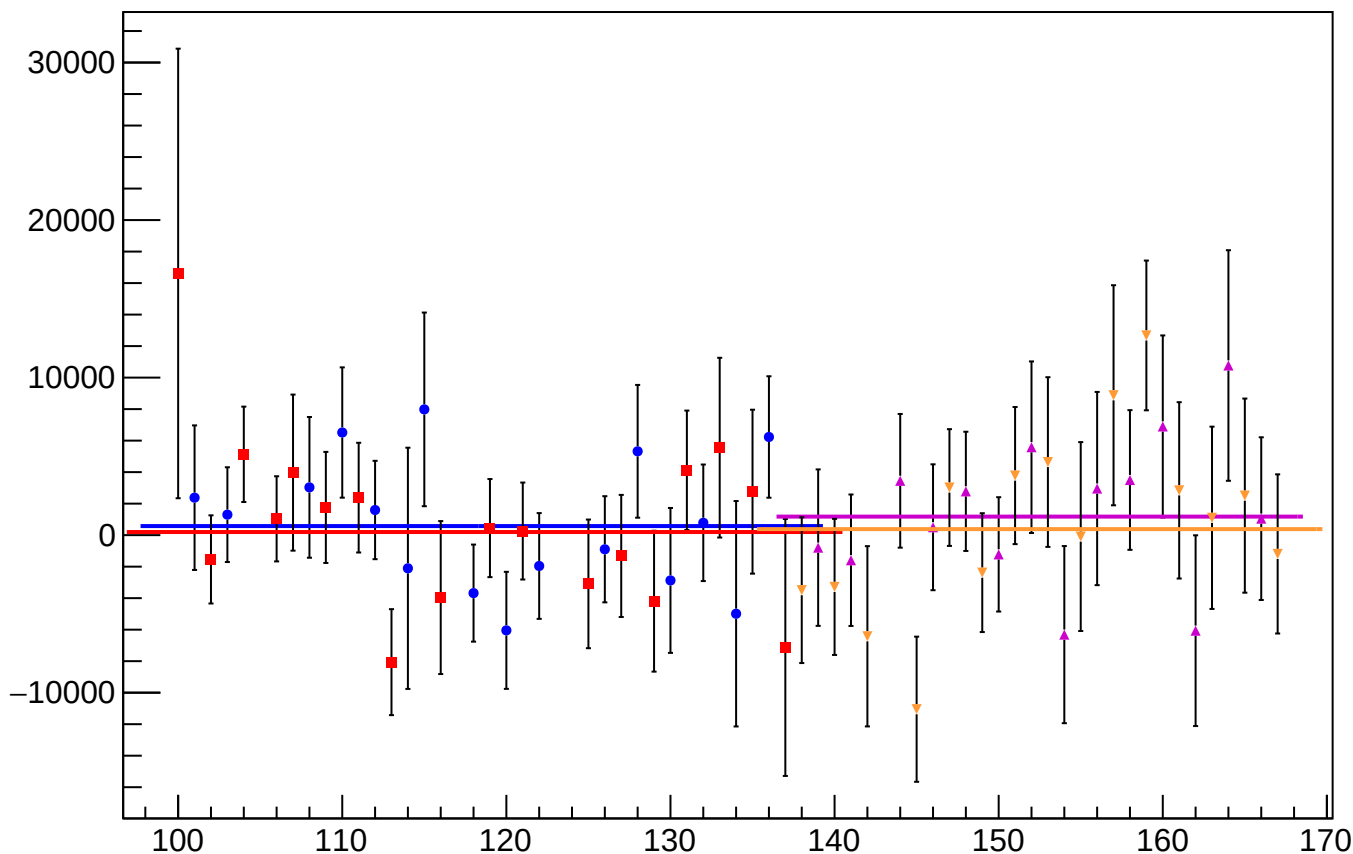
Left In: 1247.792 $\pm$ 0.260 χ^2 /NDF: 74254.0/13

+ sign 1040.903 $\pm$ 0.173 χ^2 /NDF: 1653321.9/30

All: 1038.138 $\pm$ 0.122 χ^2 /NDF: 3214474.4/62

- sign 1035.359 $\pm$ 0.173 χ^2 /NDF: 1560637.9/31

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271 $\pm$ 984.888 χ^2/NDF : 14.7/15

Left Out: 382.076 $\pm$ 1261.563 χ^2/NDF :19.9/14

Right Out: 197.953 $\pm$ 894.121 χ^2/NDF : 17.2/17

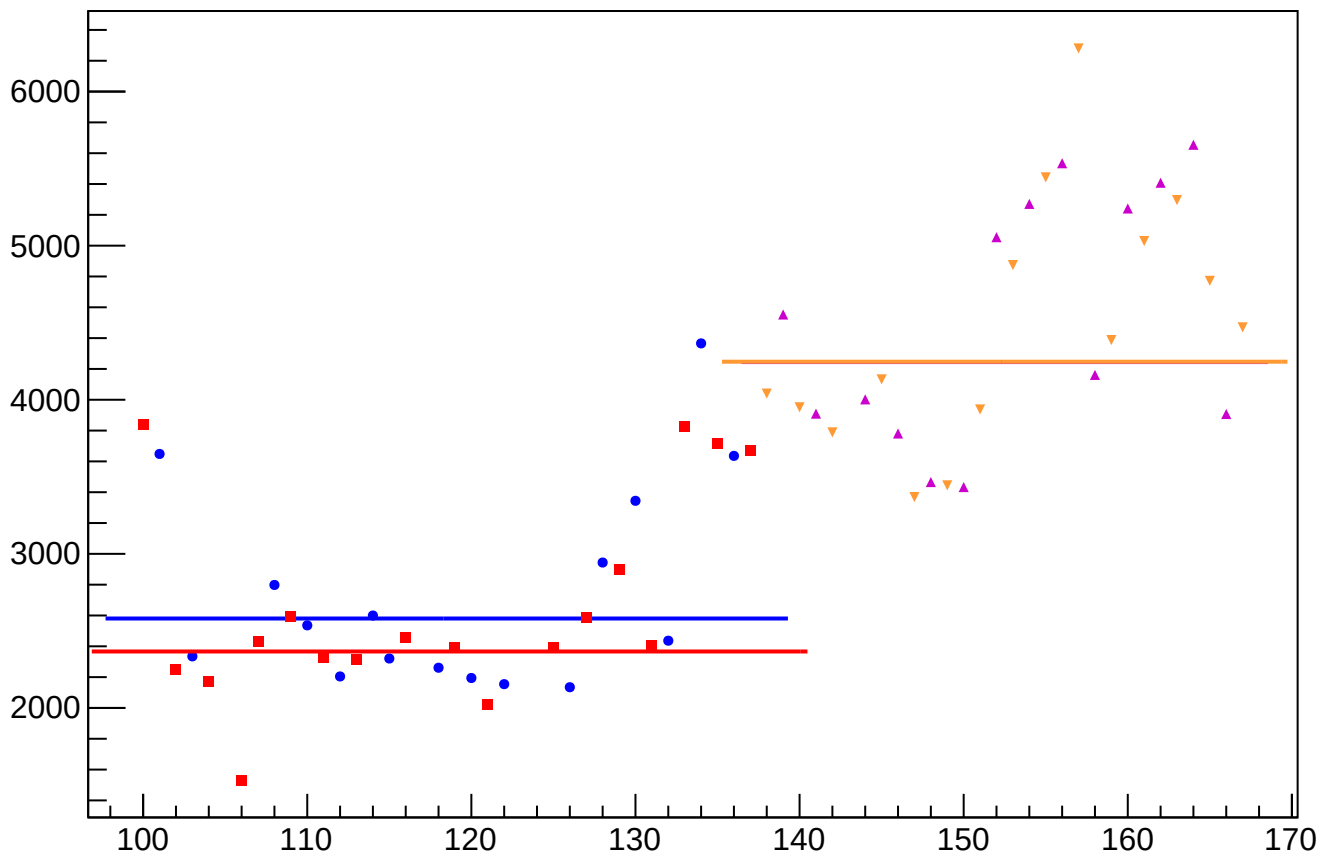
Left In: 1176.616 $\pm$ 1271.841 χ^2/NDF :8.4/13

+ sign 502.112 $\pm$ 776.327 χ^2/NDF : 34.6/30

All: 512.464 $\pm$ 532.374 χ^2/NDF : 60.6/62

- sign 521.654 $\pm$ 731.456 χ^2/NDF : 26.0/31

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377 ± 0.696 $\chi^2/\text{NDF}: 617156.1/15$

Left Out: 4246.920 ± 0.892 $\chi^2/\text{NDF}: 641770.6/14$

Right Out: 2366.412 ± 0.632 $\chi^2/\text{NDF}: 611695.1/17$

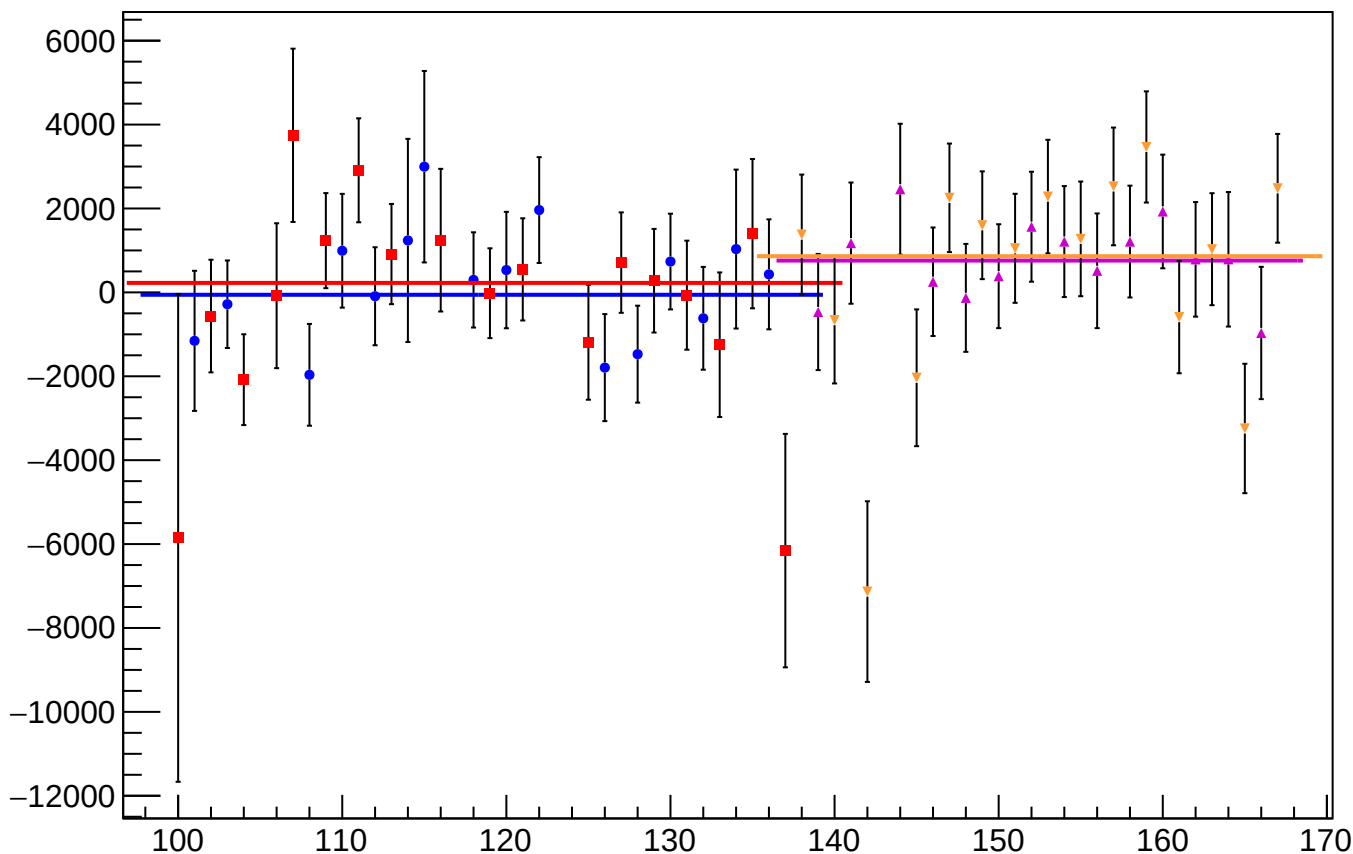
Left In: 4244.605 ± 0.899 $\chi^2/\text{NDF}: 655084.9/13$

+ sign 3211.463 ± 0.549 $\chi^2/\text{NDF}: 3427436.2/30$

All: 3092.896 ± 0.376 $\chi^2/\text{NDF}: 7701239.3/62$

- sign 2987.639 ± 0.517 $\chi^2/\text{NDF}: 4185737.0/31$

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211 ± 330.088 χ^2/NDF : 13.0/15

Left Out: 862.457 ± 362.537 χ^2/NDF : 35.9/14

Right Out: 226.078 ± 328.069 χ^2/NDF : 22.9/17

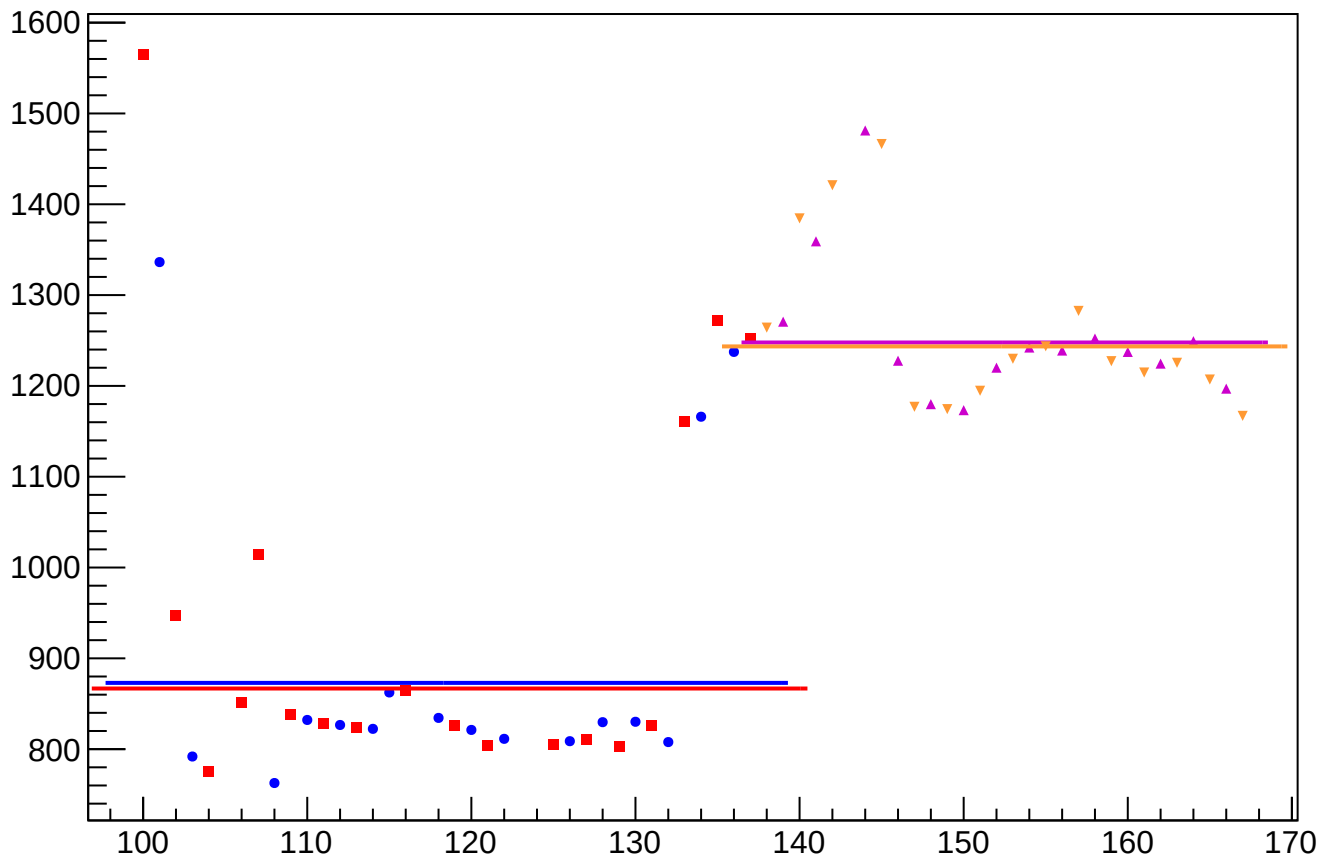
Left In: 758.201 ± 367.905 χ^2/NDF : 5.4/13

+ sign 359.632 ± 244.075 χ^2/NDF : 52.4/30

All: 410.543 ± 172.863 χ^2/NDF : 81.9/62

- sign 461.781 ± 244.857 χ^2/NDF : 29.4/31

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972 $\pm$ 0.233 χ^2 /NDF: 417098.9/15

Left Out: 1243.475 $\pm$ 0.256 χ^2 /NDF:94153.0/14

Right Out: 866.772 $\pm$ 0.232 χ^2 /NDF: 290386.6/17

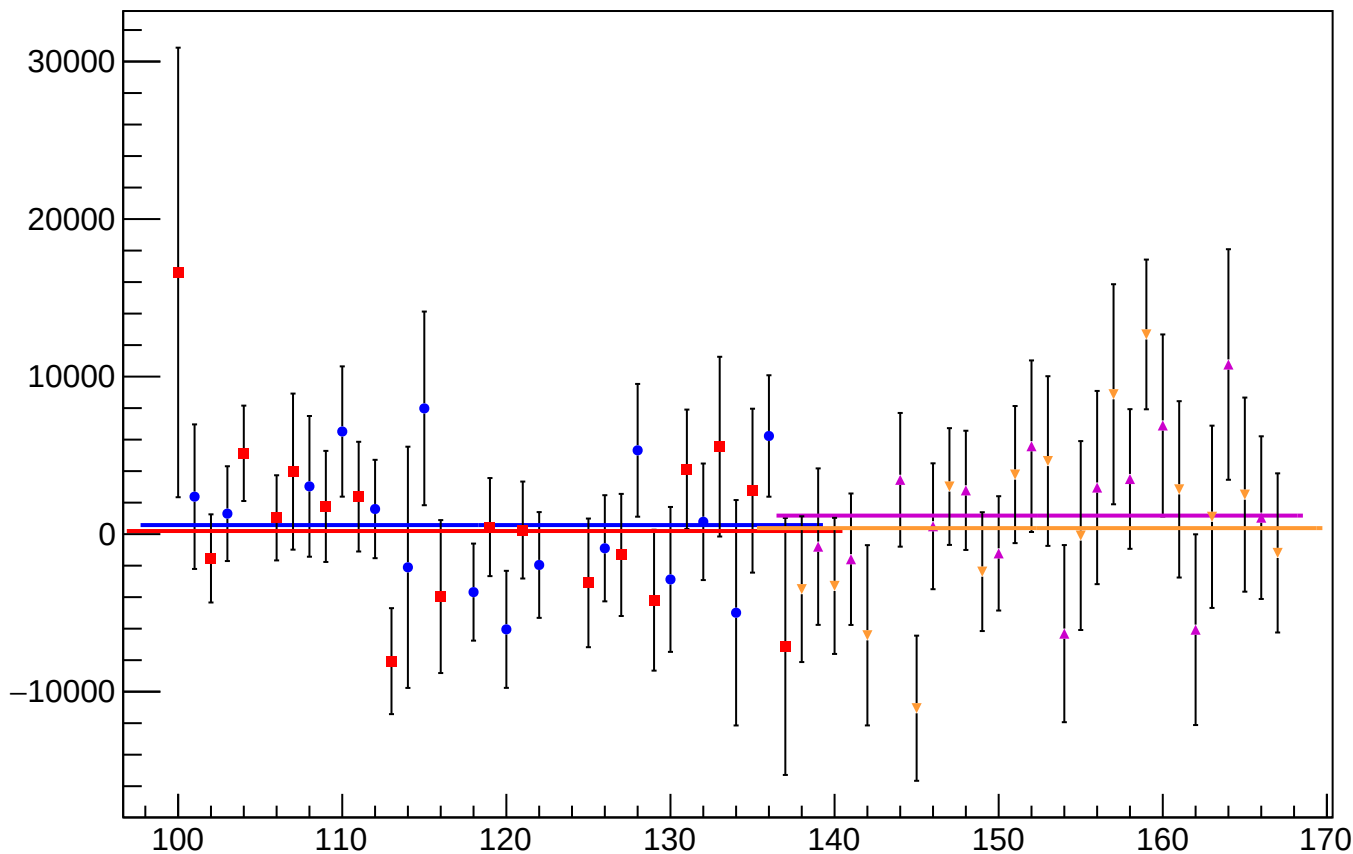
Left In: 1247.793 $\pm$ 0.260 χ^2 /NDF:74254.8/13

+ sign 1040.903 $\pm$ 0.173 χ^2 /NDF: 1653329.7/30

All: 1038.139 $\pm$ 0.122 χ^2 /NDF: 3214490.0/62

- sign 1035.359 $\pm$ 0.173 χ^2 /NDF: 1560645.7/31

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: 382.079 $\pm$ 1261.565 χ^2 /NDF:19.9/14

Right Out: 197.955 $\pm$ 894.119 χ^2 /NDF: 17.2/17

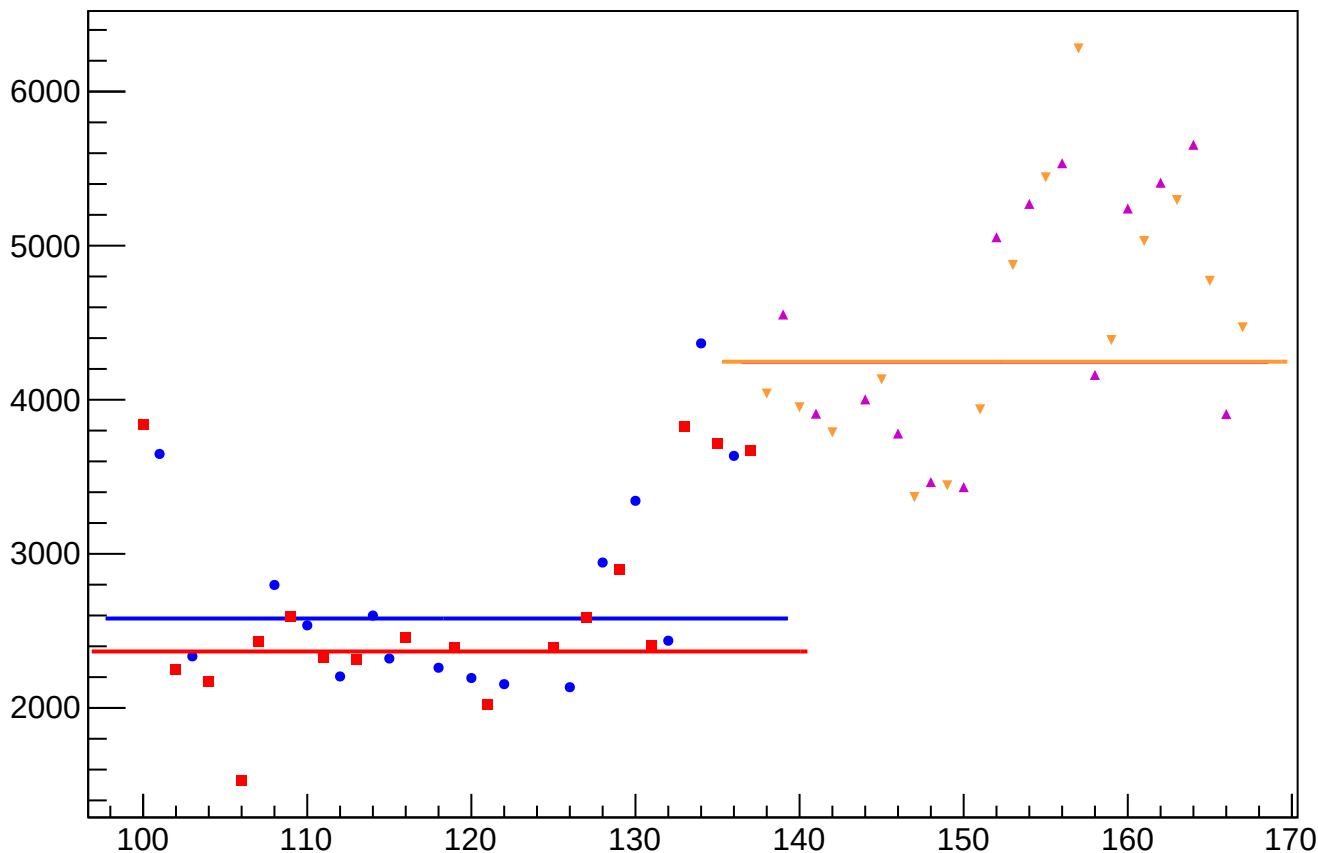
Left In: 1176.616 $\pm$ 1271.843 χ^2 /NDF:8.4/13

+ sign 502.111 $\pm$ 776.326 χ^2 /NDF: 34.6/30

All: 512.463 $\pm$ 532.373 χ^2 /NDF: 60.6/62

- sign 521.653 $\pm$ 731.455 χ^2 /NDF: 26.0/31

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: 4246.926 $\pm$ 0.892 χ^2 /NDF: 641773.9/14

Right Out: 2366.405 $\pm$ 0.632 χ^2 /NDF: 611698.8/17

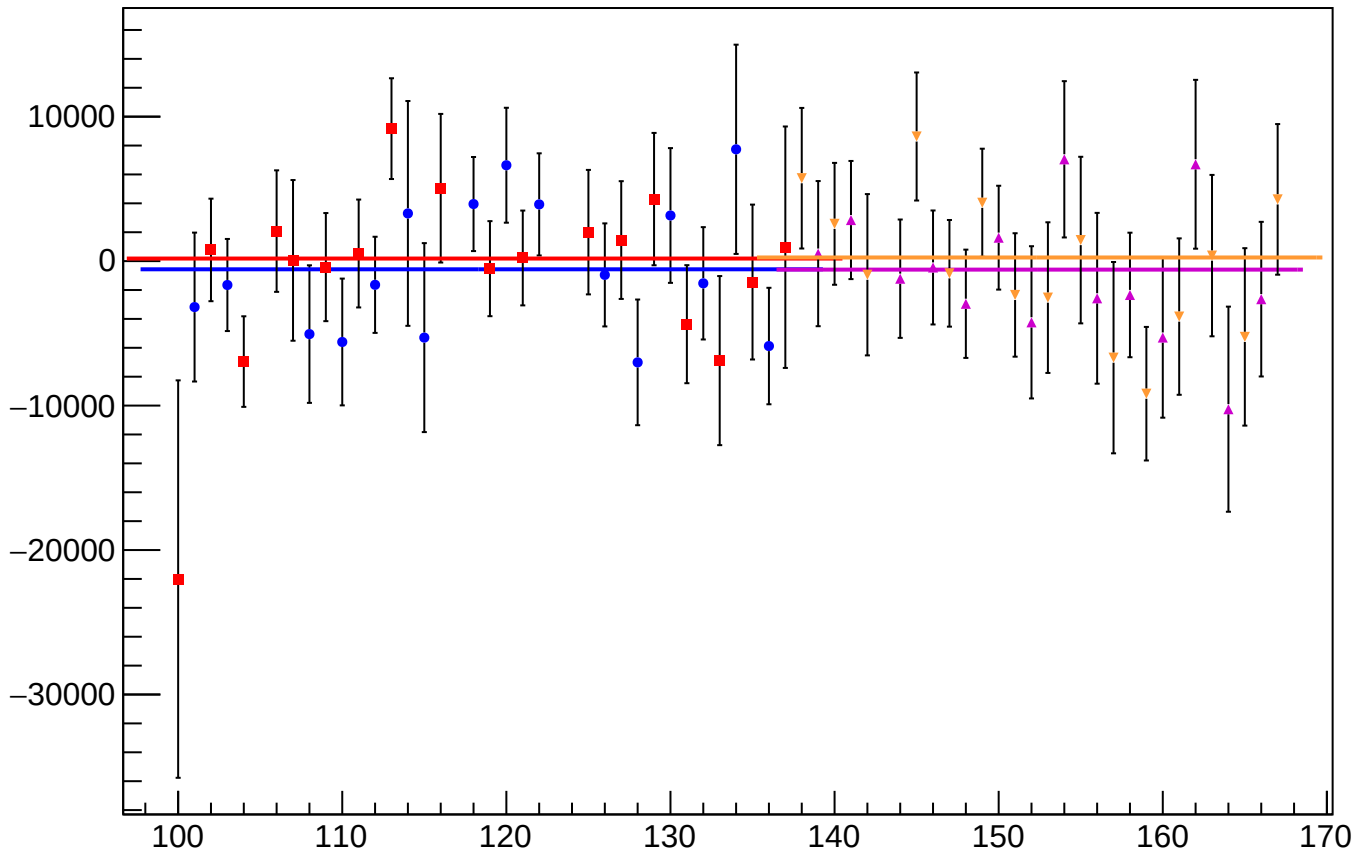
Left In: 4244.610 $\pm$ 0.899 χ^2 /NDF: 655088.6/13

+ sign 3211.456 $\pm$ 0.549 χ^2 /NDF: 3427485.4/30

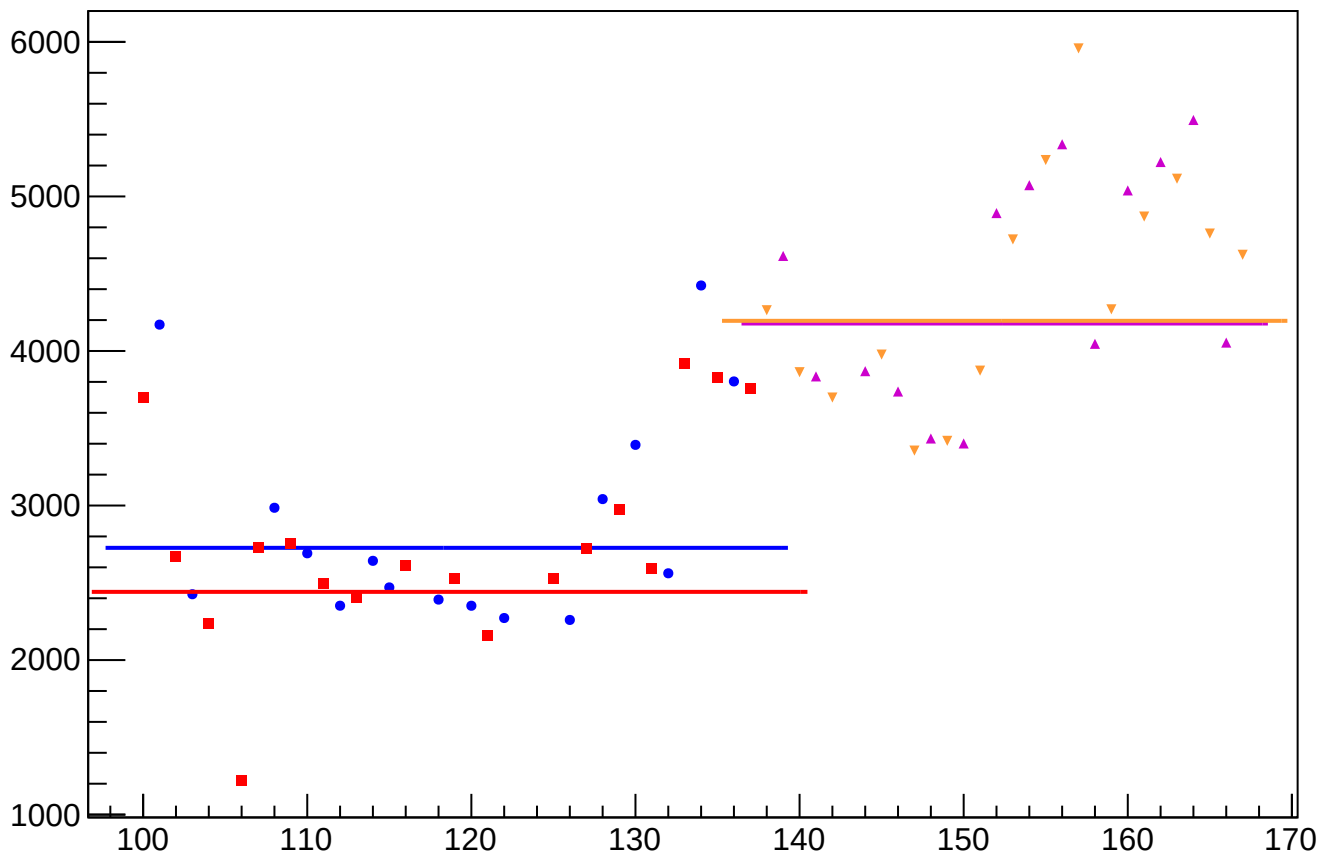
All: 3092.890 $\pm$ 0.376 χ^2 /NDF: 7701334.2/62

- sign 2987.633 $\pm$ 0.517 χ^2 /NDF: 4185782.7/31

asym_usl_atl2_dd_mean vs Slug



asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231 ± 0.736 χ^2/NDF : 623079.8/15

Left Out: 4195.137 ± 0.879 χ^2/NDF : 577846.2/14

Right Out: 2441.363 ± 0.667 χ^2/NDF : 891132.7/17

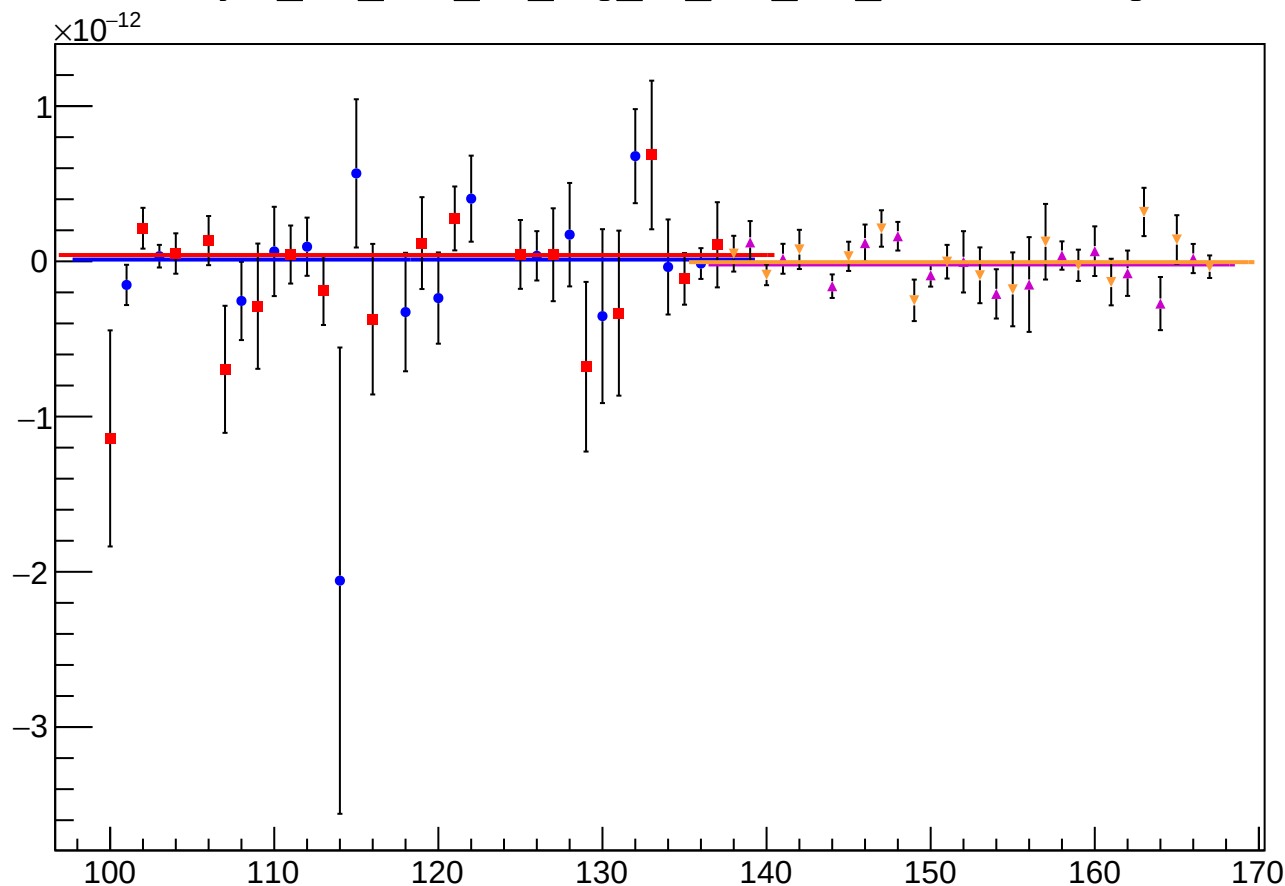
Left In: 4177.830 ± 0.883 χ^2/NDF : 589879.4/13

+ sign 3331.150 ± 0.564 χ^2/NDF : 2843002.3/30

All: 3194.019 ± 0.387 χ^2/NDF : 6897467.5/62

- sign 3071.970 ± 0.532 χ^2/NDF : 3942797.9/31

asym_usl_atl2_dd_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 : 16.3/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.0/17

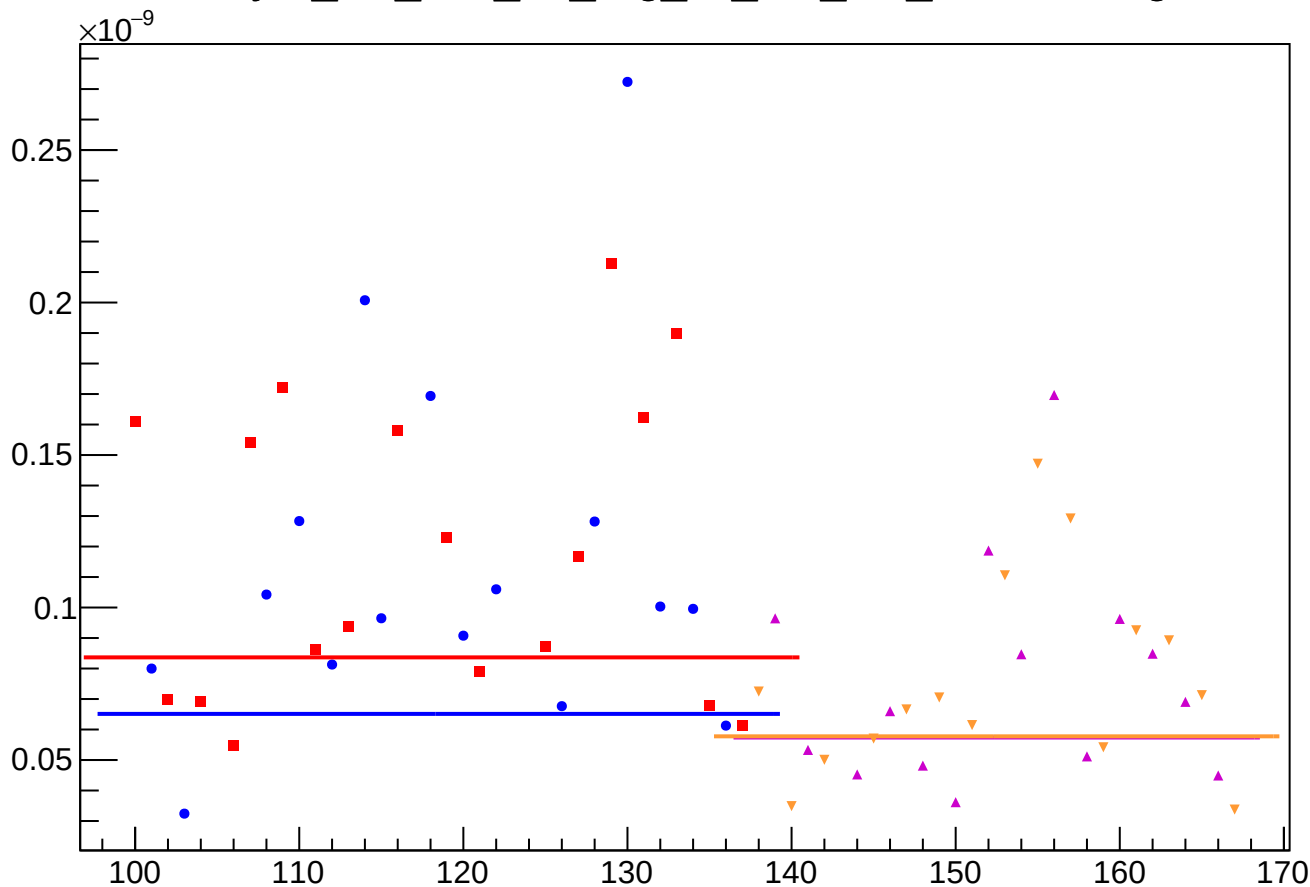
Left In: -0.000 ± 0.000 χ^2/NDF : 15.5/13

+ sign -0.000 ± 0.000 χ^2/NDF : 31.7/30

All: -0.000 ± 0.000 χ^2/NDF : 65.3/62

- sign -0.000 ± 0.000 χ^2/NDF : 33.5/31

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 : 1357957.4/14

Right Out: 0.000+/-0.000 χ^2/NDF : 691494.7/17

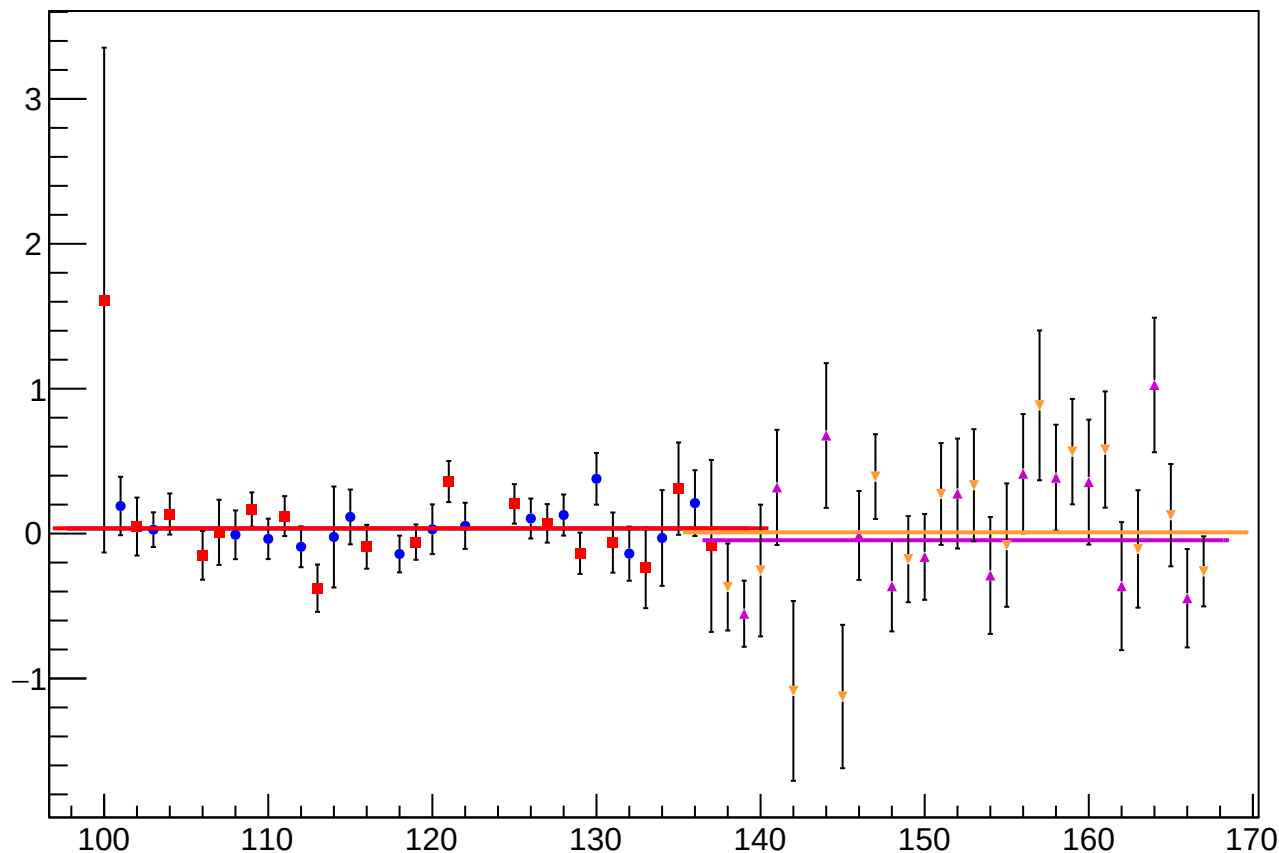
Left In: 0.000+/-0.000 χ^2/NDF : 1180296.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 2619281.3/30

All: 0.000+/-0.000 χ^2/NDF : 4882019.3/62

- sign 0.000+/-0.000 χ^2/NDF : 2242679.7/31

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 ± 0.041 $\chi^2/\text{NDF}: 9.8/15$

Left Out: 0.009 ± 0.093 $\chi^2/\text{NDF}: 22.4/14$

Right Out: 0.036 ± 0.039 $\chi^2/\text{NDF}: 22.0/17$

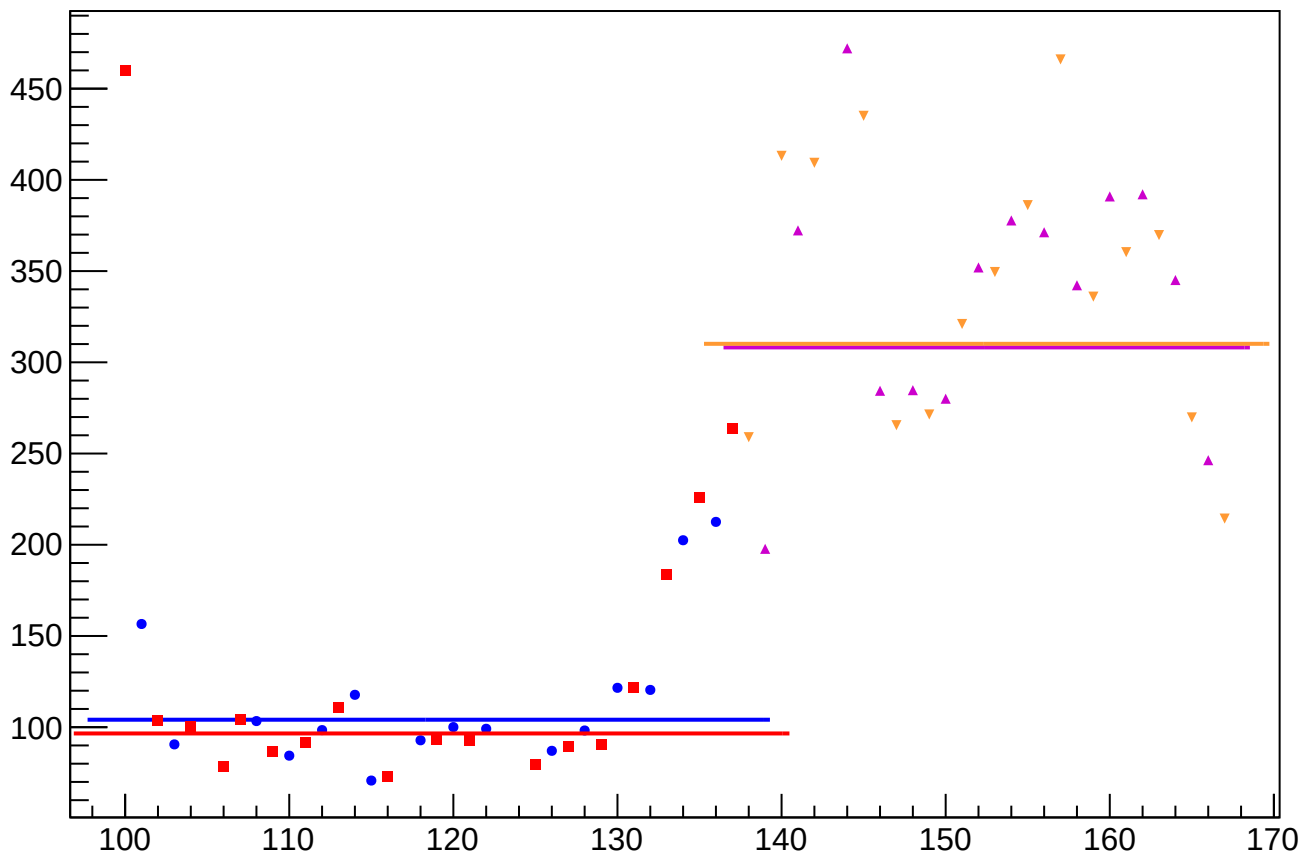
Left In: -0.046 ± 0.094 $\chi^2/\text{NDF}: 20.9/13$

+ sign 0.031 ± 0.038 $\chi^2/\text{NDF}: 32.2/30$

All: 0.027 ± 0.026 $\chi^2/\text{NDF}: 75.8/62$

- sign 0.024 ± 0.036 $\chi^2/\text{NDF}: 43.6/31$

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: 310.137+/-0.066 χ^2/NDF : 1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF : 955547.2/17

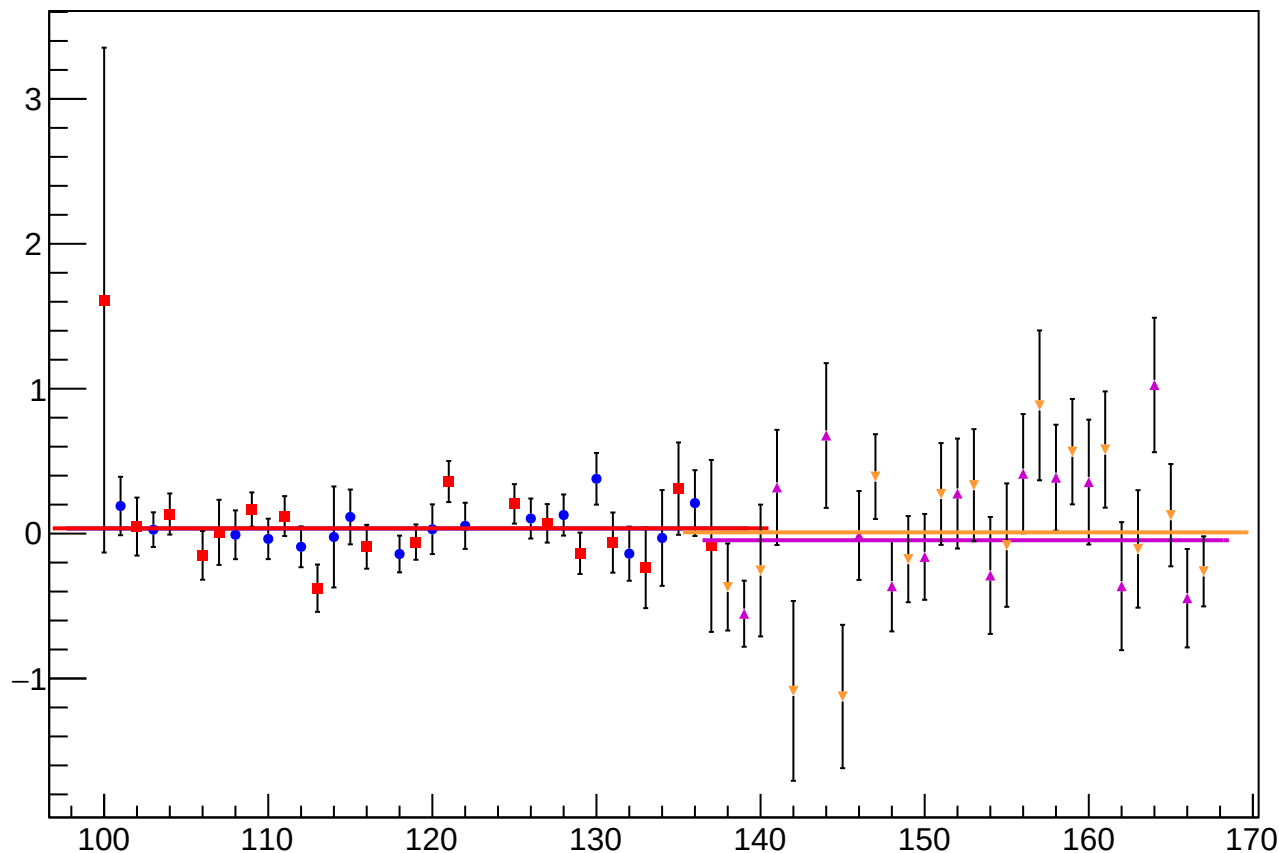
Left In: 308.164+/-0.067 χ^2/NDF : 1152569.4/13

+ sign 137.437+/-0.027 χ^2/NDF : 10263139.2/30

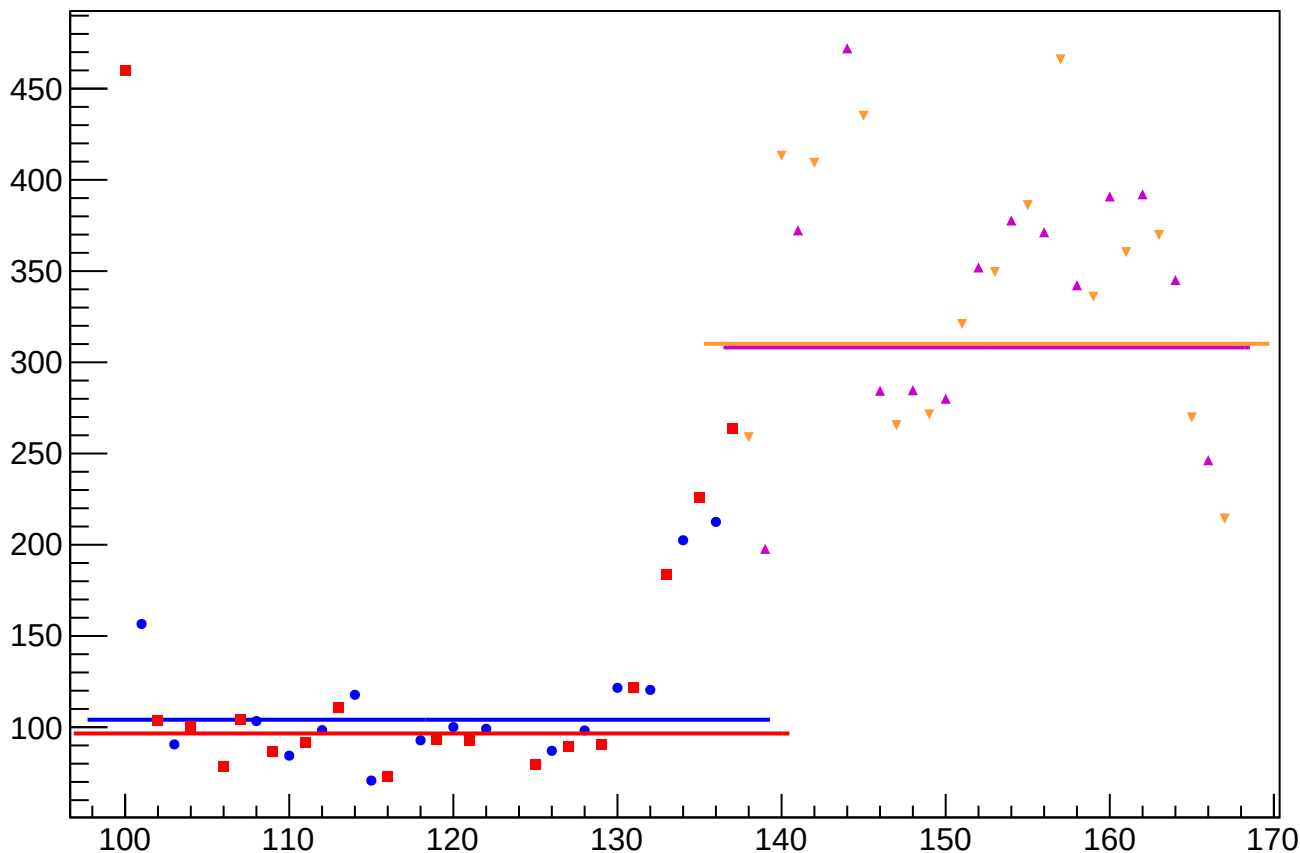
All: 132.131+/-0.018 χ^2/NDF : 21032758.2/62

- sign 127.266+/-0.025 χ^2/NDF : 10693133.2/31

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF : 989856.1/15

Left Out: 310.137+/-0.066 χ^2/NDF : 1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF : 955547.2/17

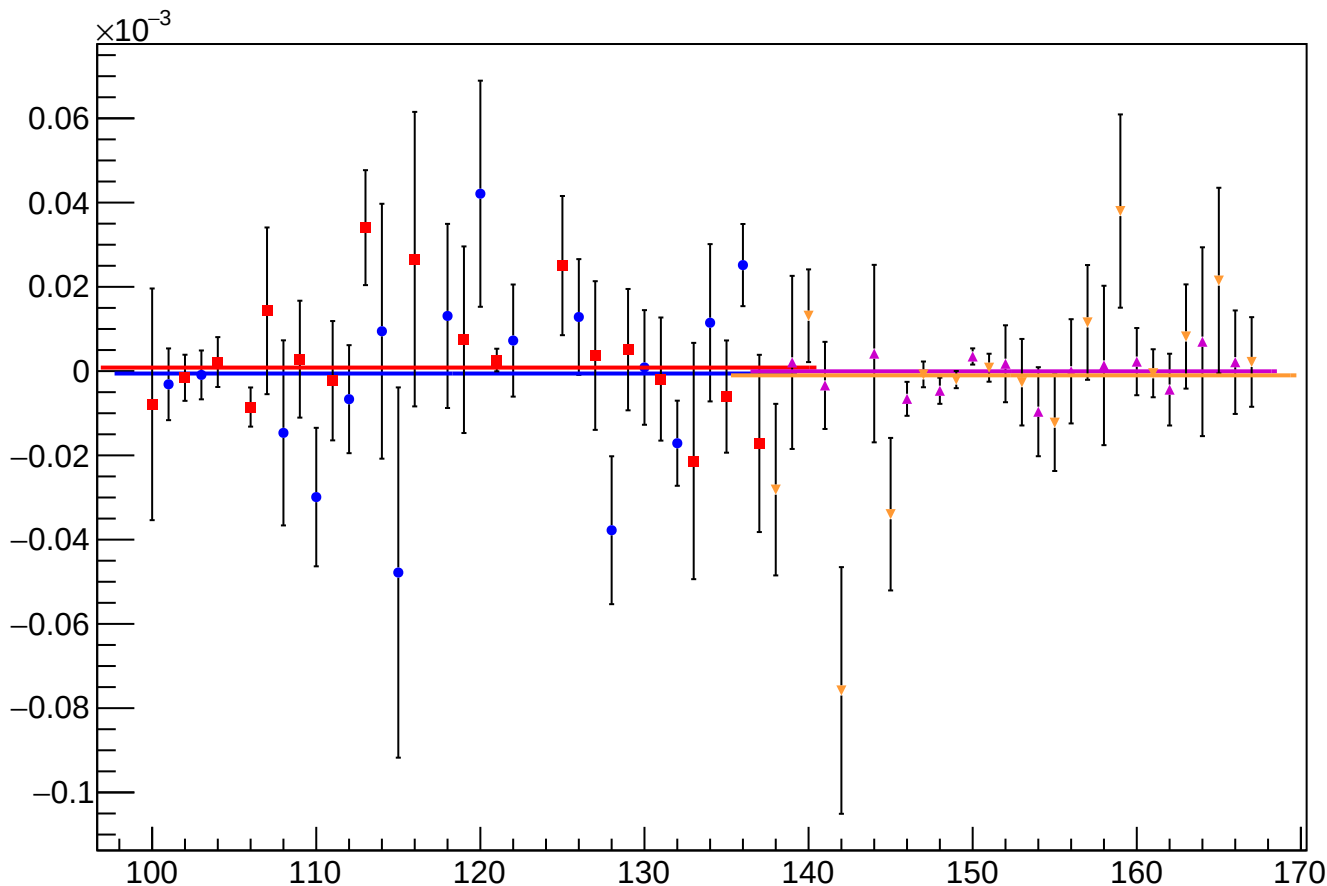
Left In: 308.164+/-0.067 χ^2/NDF : 1152569.4/13

+ sign 137.437+/-0.027 χ^2/NDF : 10263139.2/30

All: 132.131+/-0.018 χ^2/NDF : 21032758.2/62

- sign 127.266+/-0.025 χ^2/NDF : 10693133.2/31

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 : 20.2/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.9/17

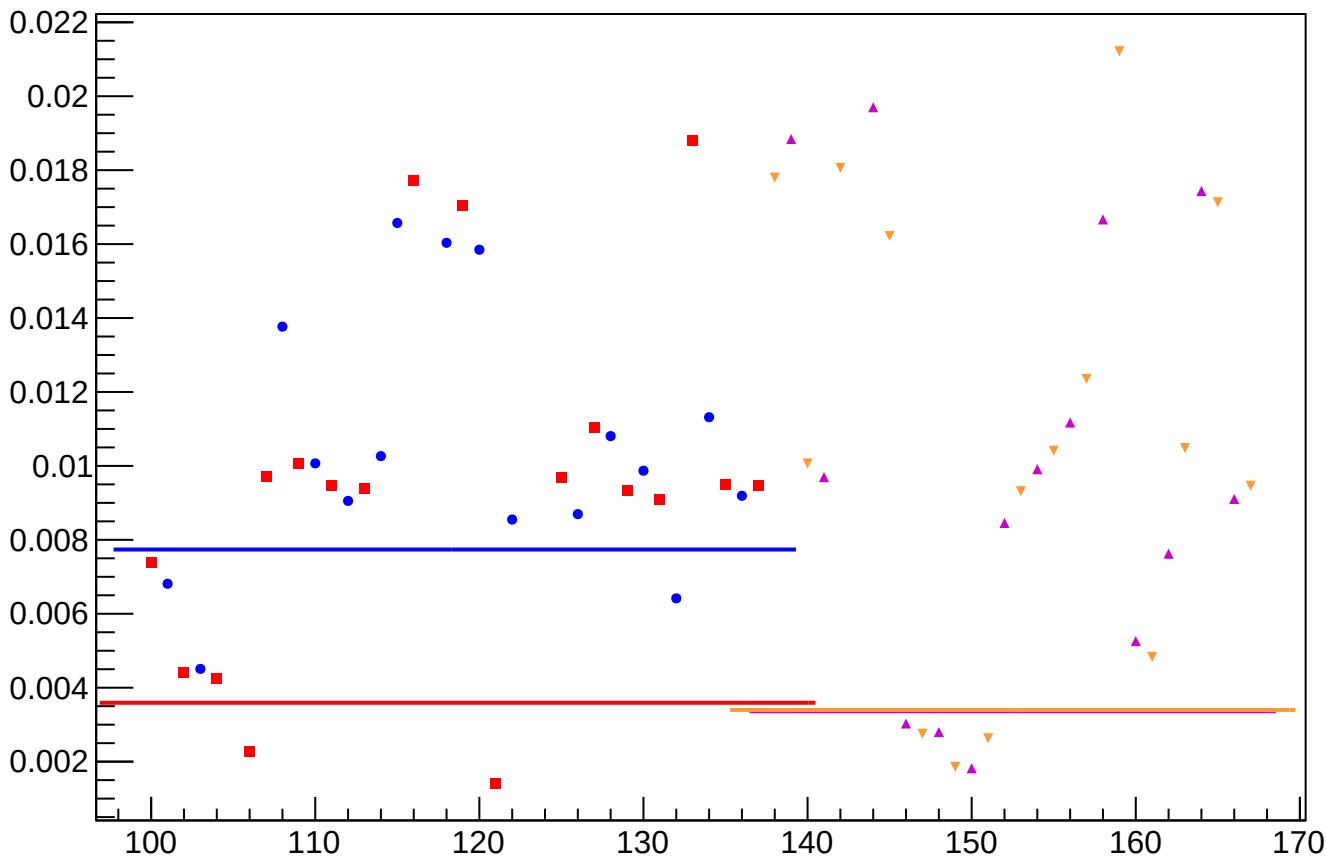
Left In: -0.000 ± 0.000 χ^2/NDF : 9.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 44.2/30

All: -0.000 ± 0.000 χ^2/NDF : 70.4/62

- sign 0.000 ± 0.000 χ^2/NDF : 25.7/31

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 1701473.5/15

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 10270032.7/14

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 6364883.4/17

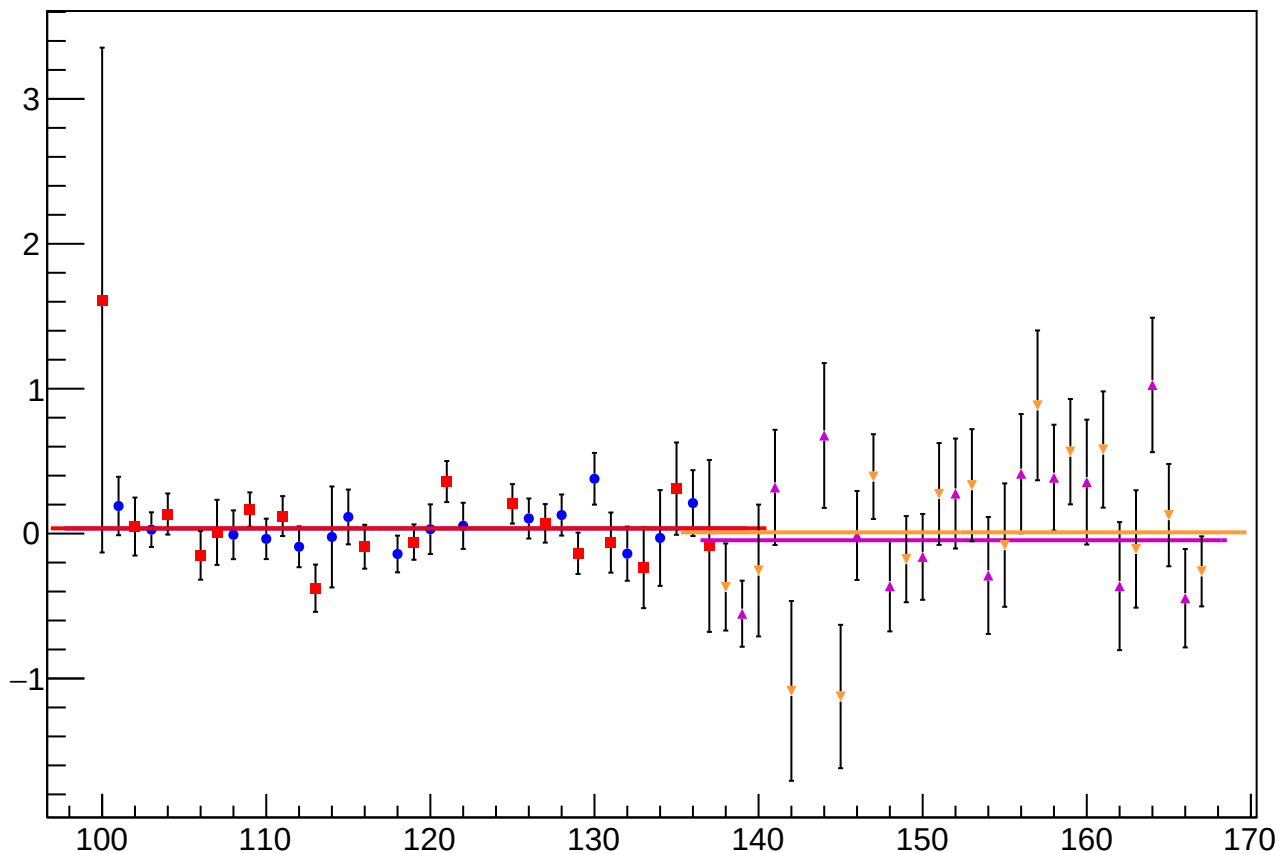
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 9471601.2/13

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 15223410.8/30

All: 0.004 $\pm$ 0.000 χ^2/NDF : 31393082.3/62

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 15856373.0/31

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 ± 0.041 χ^2/NDF : 9.8/15

Left Out: 0.009 ± 0.093 χ^2/NDF : 22.4/14

Right Out: 0.036 ± 0.039 χ^2/NDF : 22.0/17

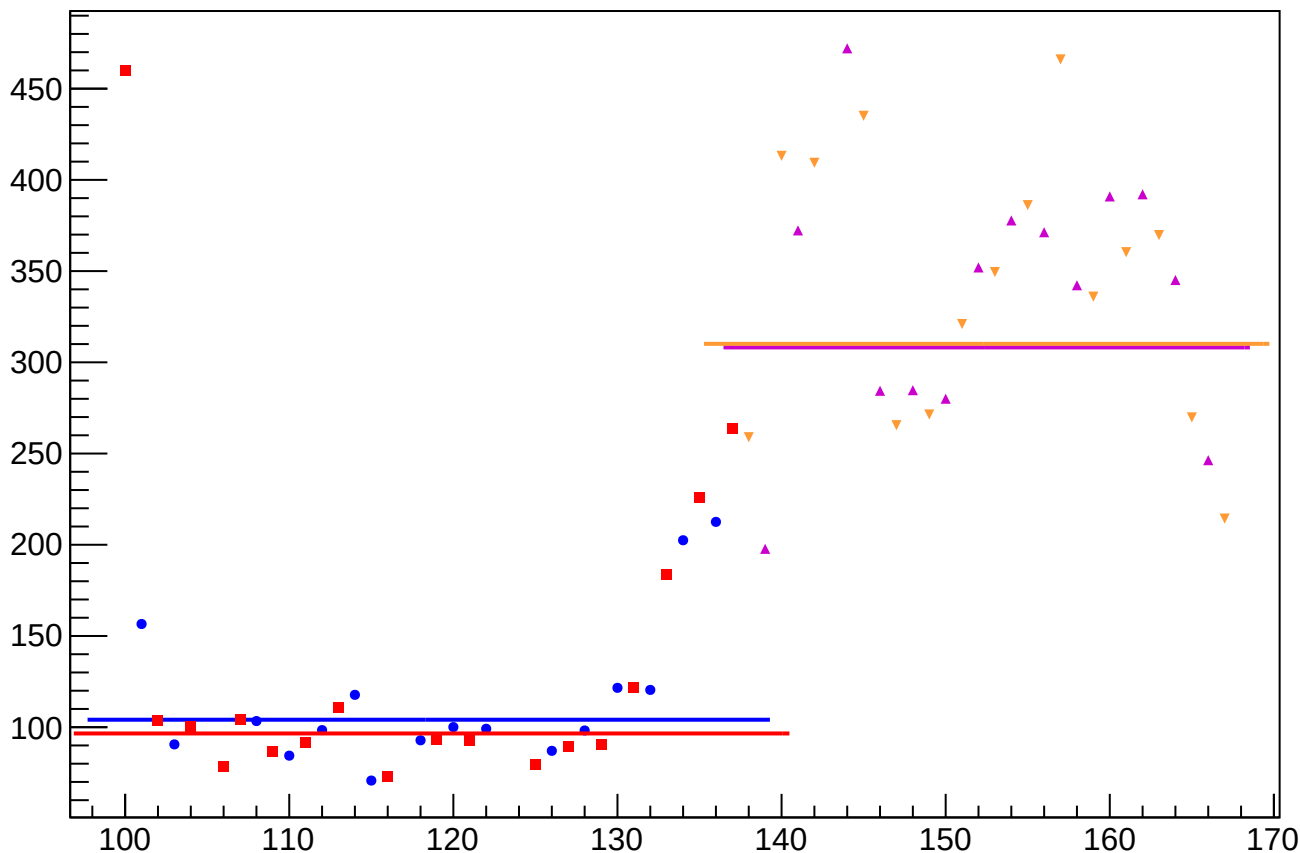
Left In: -0.046 ± 0.094 χ^2/NDF : 20.9/13

+ sign 0.031 ± 0.038 χ^2/NDF : 32.2/30

All: 0.027 ± 0.026 χ^2/NDF : 75.8/62

- sign 0.024 ± 0.036 χ^2/NDF : 43.6/31

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: 310.140 $\pm$ 0.066 χ^2 /NDF:1113267.7/14

Right Out: 96.570 $\pm$ 0.028 χ^2 /NDF: 955477.2/17

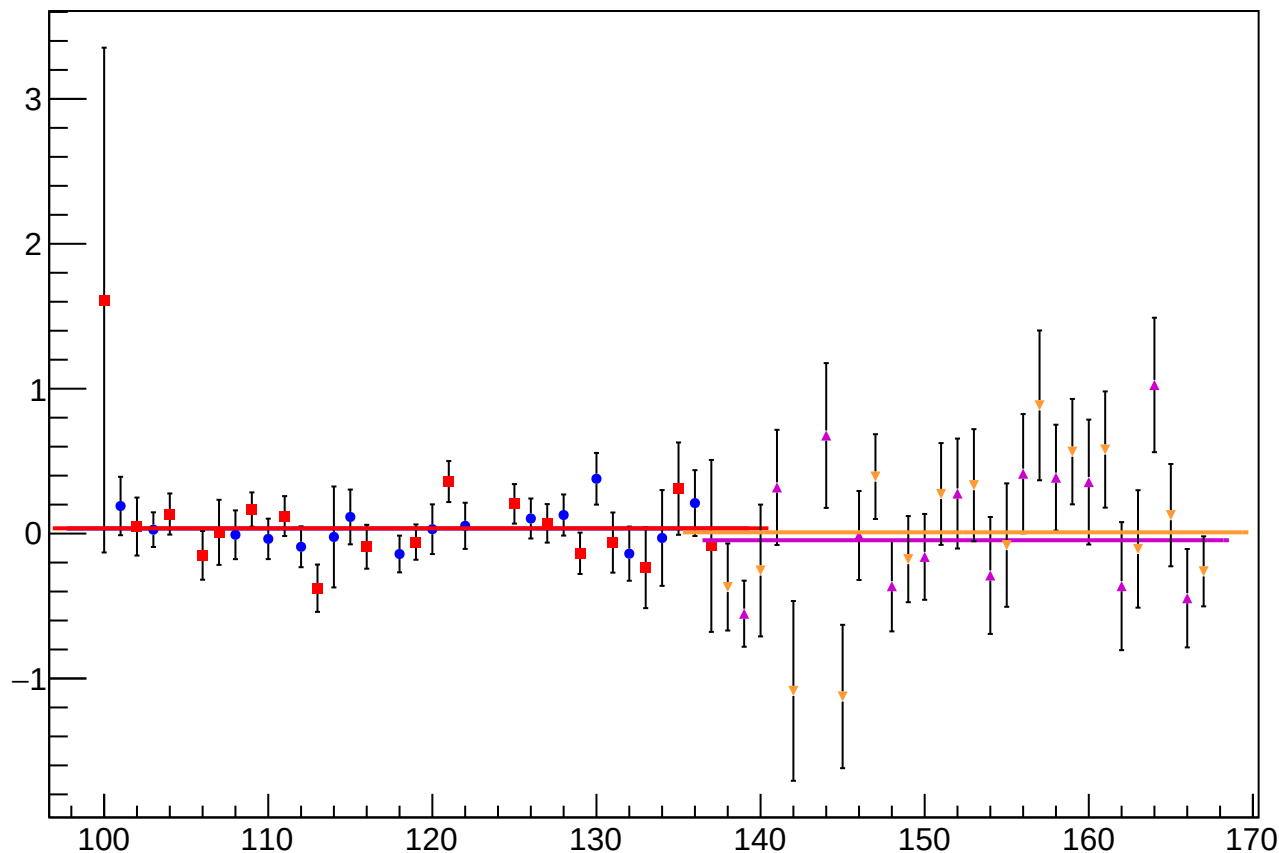
Left In: 308.168 $\pm$ 0.067 χ^2 /NDF:1152568.0/13

+ sign 137.438 $\pm$ 0.027 χ^2 /NDF: 10263165.4/30

All: 132.132 $\pm$ 0.018 χ^2 /NDF: 21032722.2/62

- sign 127.268 $\pm$ 0.025 χ^2 /NDF: 10693080.5/31

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: 0.009 $\pm$ 0.093 χ^2 /NDF:22.4/14

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

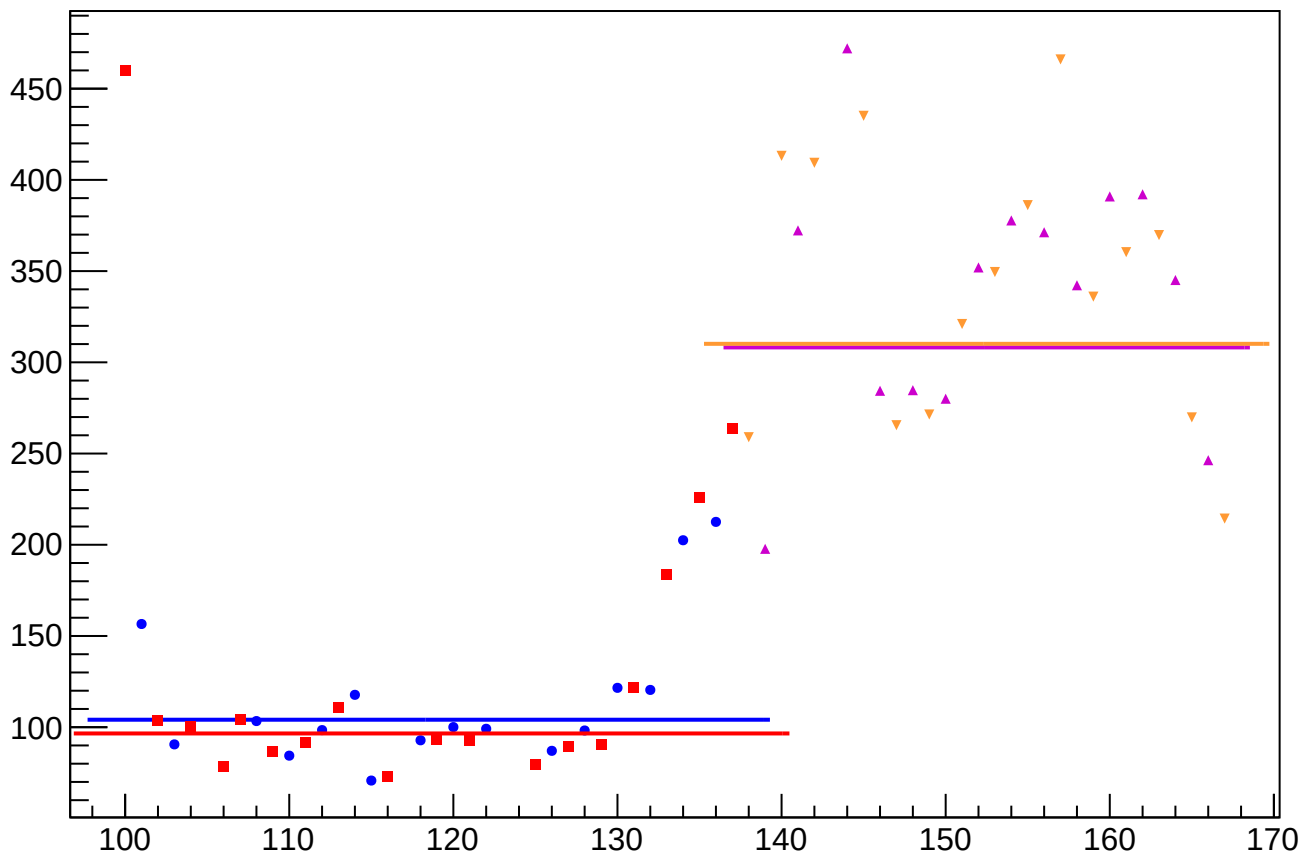
Left In: -0.046 $\pm$ 0.094 χ^2 /NDF:20.9/13

+ sign 0.031 $\pm$ 0.038 χ^2 /NDF: 32.2/30

All: 0.027 $\pm$ 0.026 χ^2 /NDF: 75.8/62

- sign 0.024 $\pm$ 0.036 χ^2 /NDF: 43.6/31

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.100+/-0.029 χ^2/NDF : 989809.0/15

Left Out: 310.140+/-0.066 χ^2/NDF : 1113267.7/14

Right Out: 96.570+/-0.028 χ^2/NDF : 955477.2/17

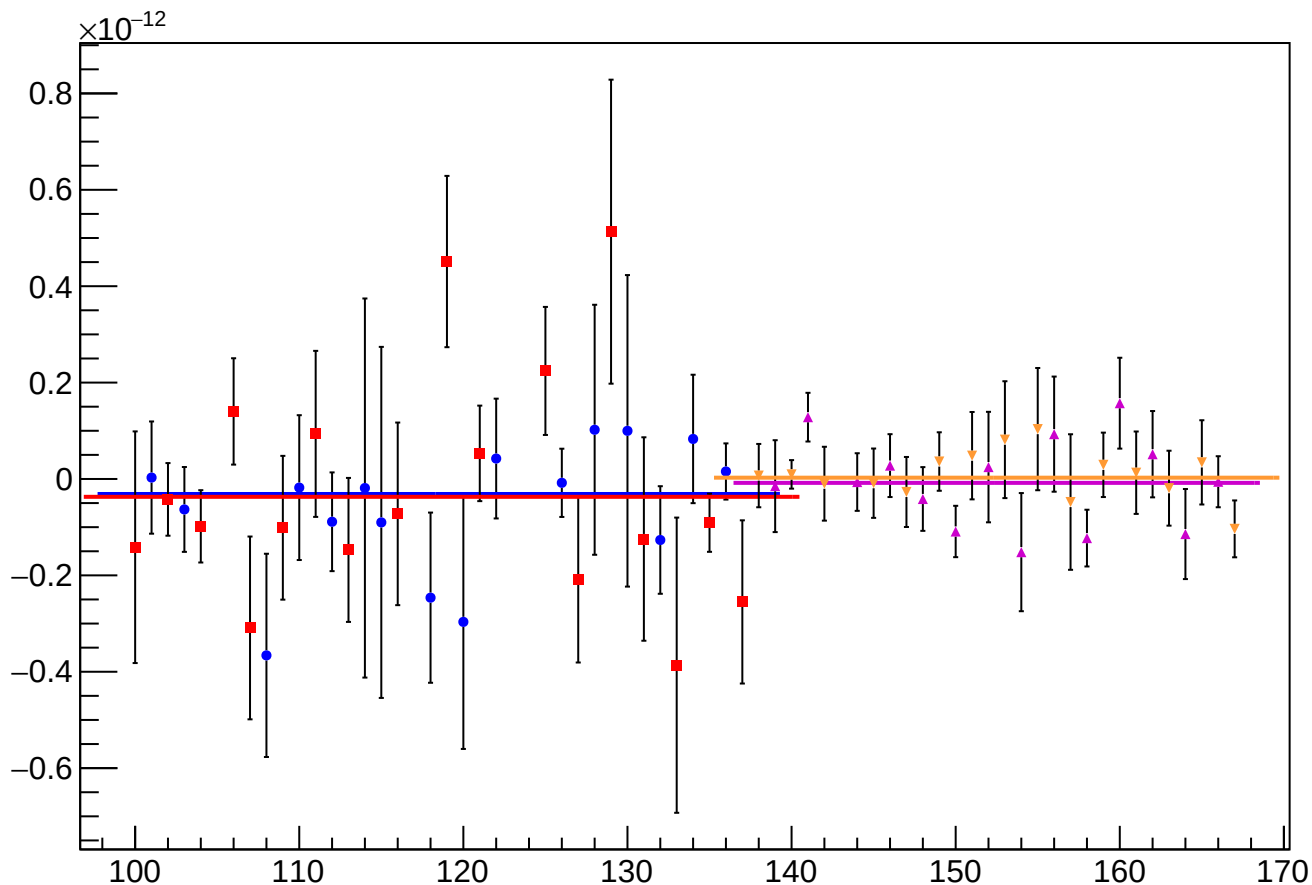
Left In: 308.168+/-0.067 χ^2/NDF : 1152568.0/13

+ sign 137.438+/-0.027 χ^2/NDF : 10263165.4/30

All: 132.132+/-0.018 χ^2/NDF : 21032722.2/62

- sign 127.268+/-0.025 χ^2/NDF : 10693080.5/31

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:5.6/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.0/17

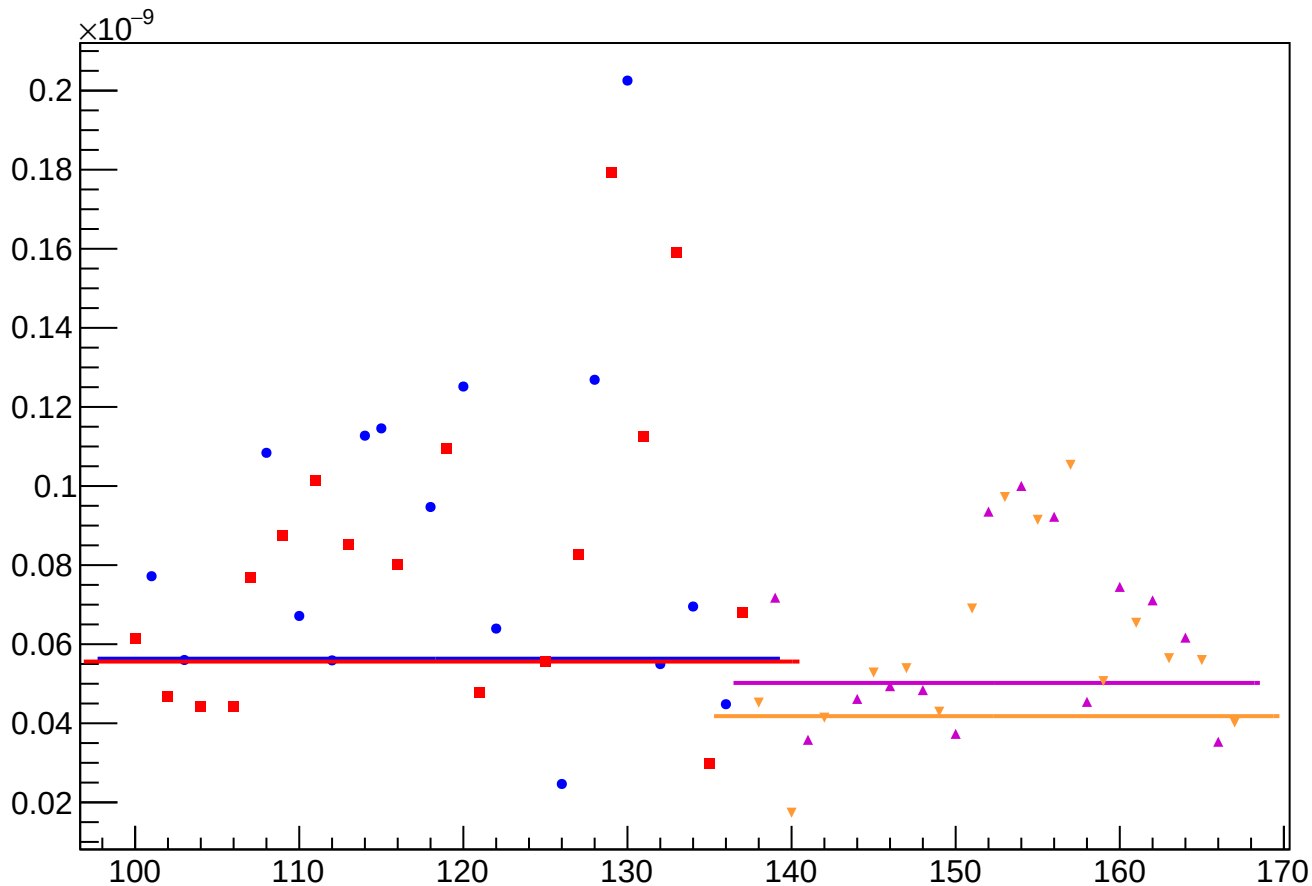
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:22.2/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 65.4/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 50.0/31

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 : 3095536.3/14

Right Out: 0.000+/-0.000 χ^2/NDF : 1767462.9/17

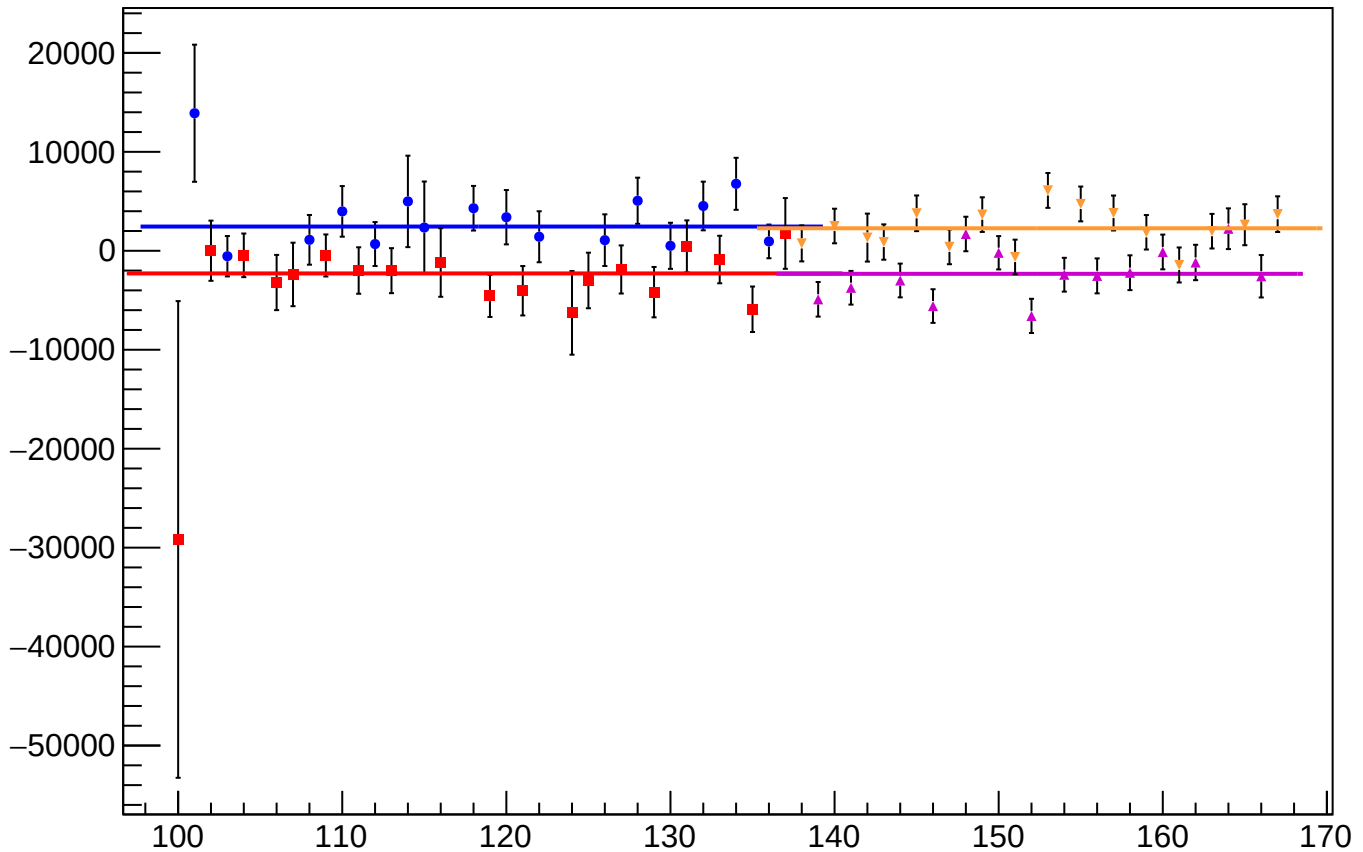
Left In: 0.000+/-0.000 χ^2/NDF : 1698141.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 5040872.8/30

All: 0.000+/-0.000 χ^2/NDF : 8731508.9/62

- sign 0.000+/-0.000 χ^2/NDF : 3514950.2/31

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 2276.930 $\pm$ 452.512 χ^2 /NDF:19.3/15

Right Out: -2286.573 $\pm$ 609.157 χ^2 /NDF: 11.8/18

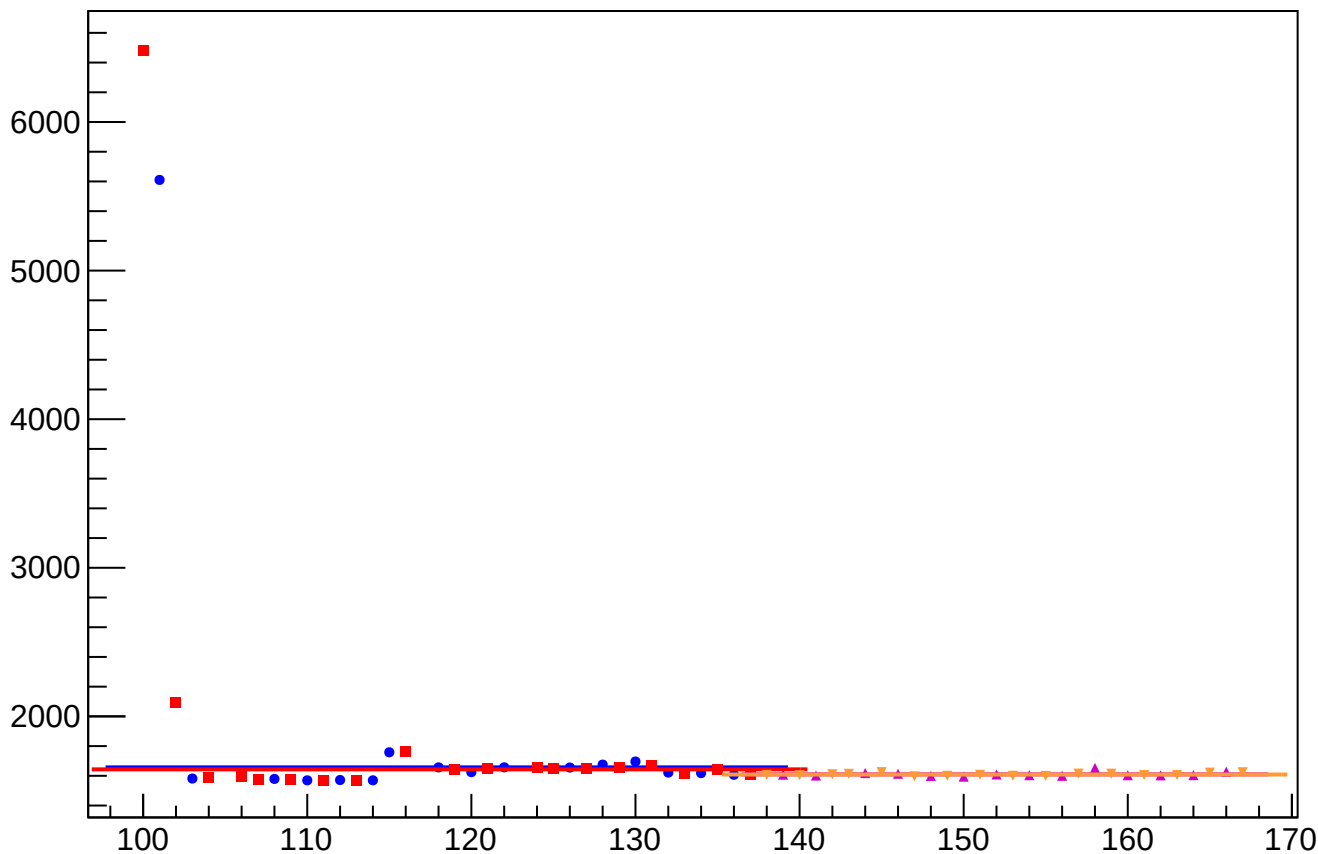
Left In: -2327.557 $\pm$ 473.711 χ^2 /NDF:26.6/13

+ sign 2335.787 $\pm$ 367.576 χ^2 /NDF: 33.2/31

All: 51.772 $\pm$ 262.139 χ^2 /NDF: 150.2/64

- sign -2312.113 $\pm$ 373.948 χ^2 /NDF: 38.4/32

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666226.2/15

Left Out: 1608.770+/-0.320 χ^2/NDF : 704.4/15

Right Out: 1643.430+/-0.431 χ^2/NDF : 136997.9/18

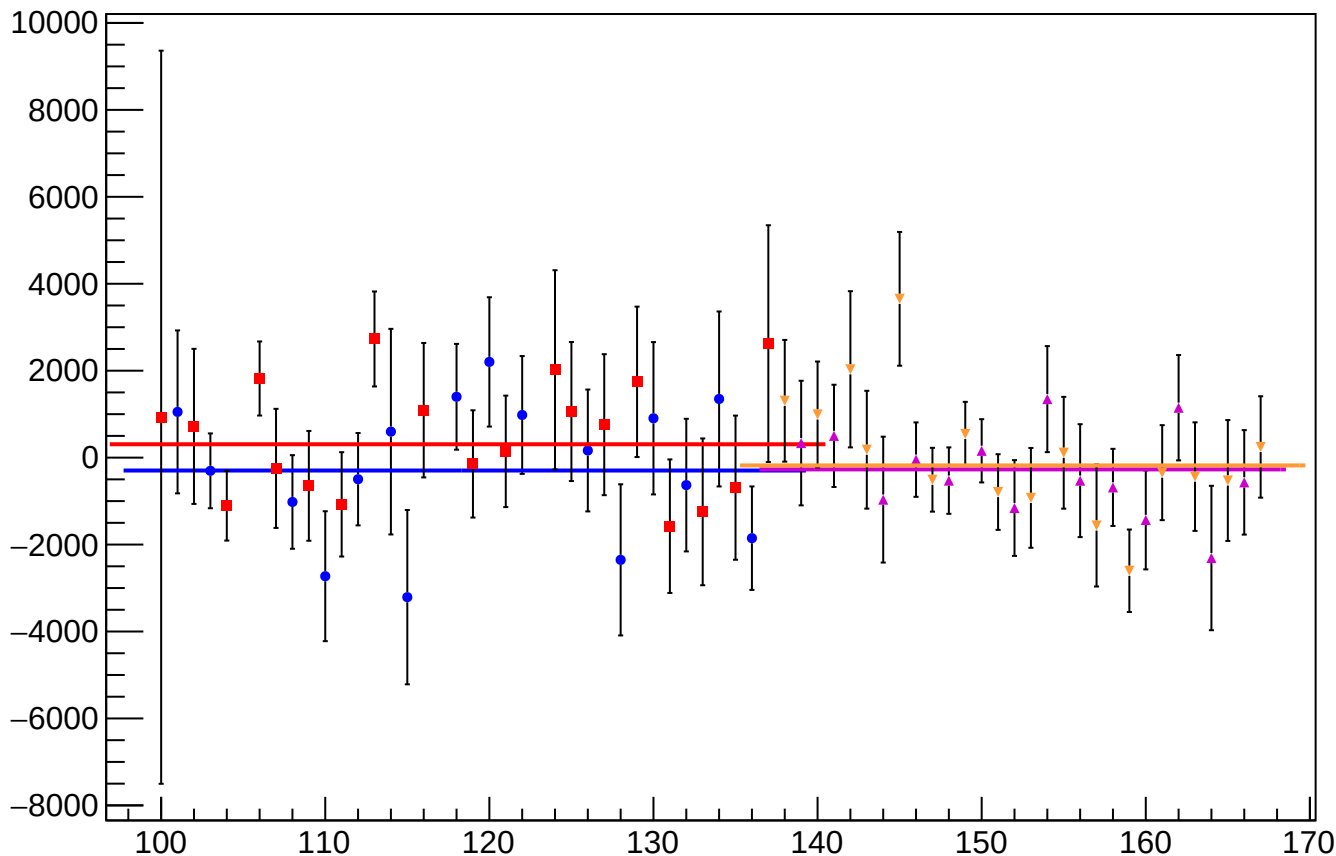
Left In: 1609.724+/-0.335 χ^2/NDF : 1828.8/13

+ sign 1625.068+/-0.260 χ^2/NDF : 674557.9/31

All: 1623.770+/-0.185 χ^2/NDF : 817251.1/64

- sign 1622.426+/-0.264 χ^2/NDF : 142642.5/32

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450 ± 343.436 χ^2/NDF : 16.0/15

Left Out: -179.074 ± 275.400 χ^2/NDF : 19.7/15

Right Out: 307.671 ± 312.976 χ^2/NDF : 18.7/18

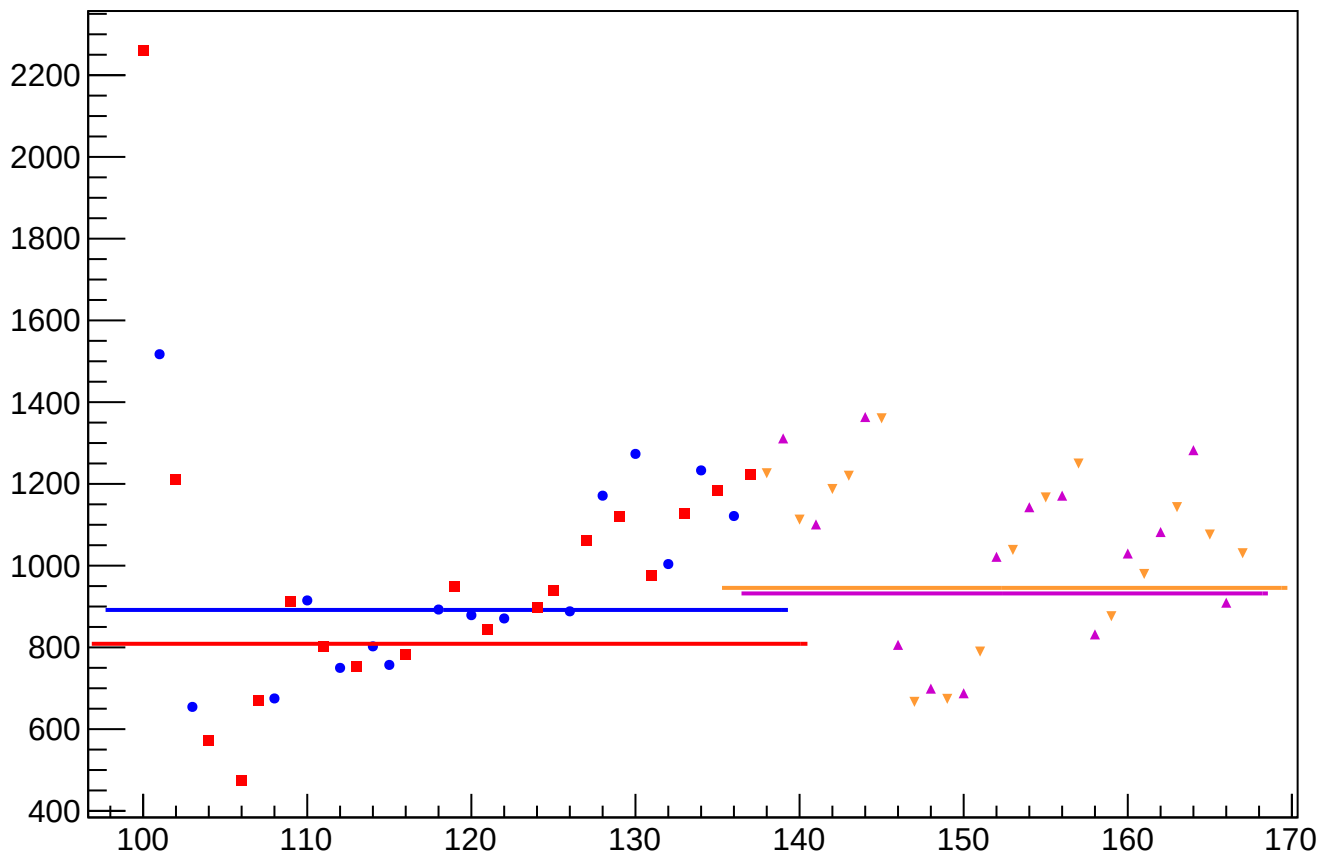
Left In: -271.220 ± 282.589 χ^2/NDF : 8.0/13

+ sign -225.012 ± 214.852 χ^2/NDF : 35.8/31

All: -115.551 ± 150.085 χ^2/NDF : 64.9/64

- sign -11.235 ± 209.743 χ^2/NDF : 28.6/32

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF : 793897.2/15

Left Out: 945.609+/-0.195 χ^2/NDF : 1261924.1/15

Right Out: 808.809+/-0.221 χ^2/NDF : 1083841.8/18

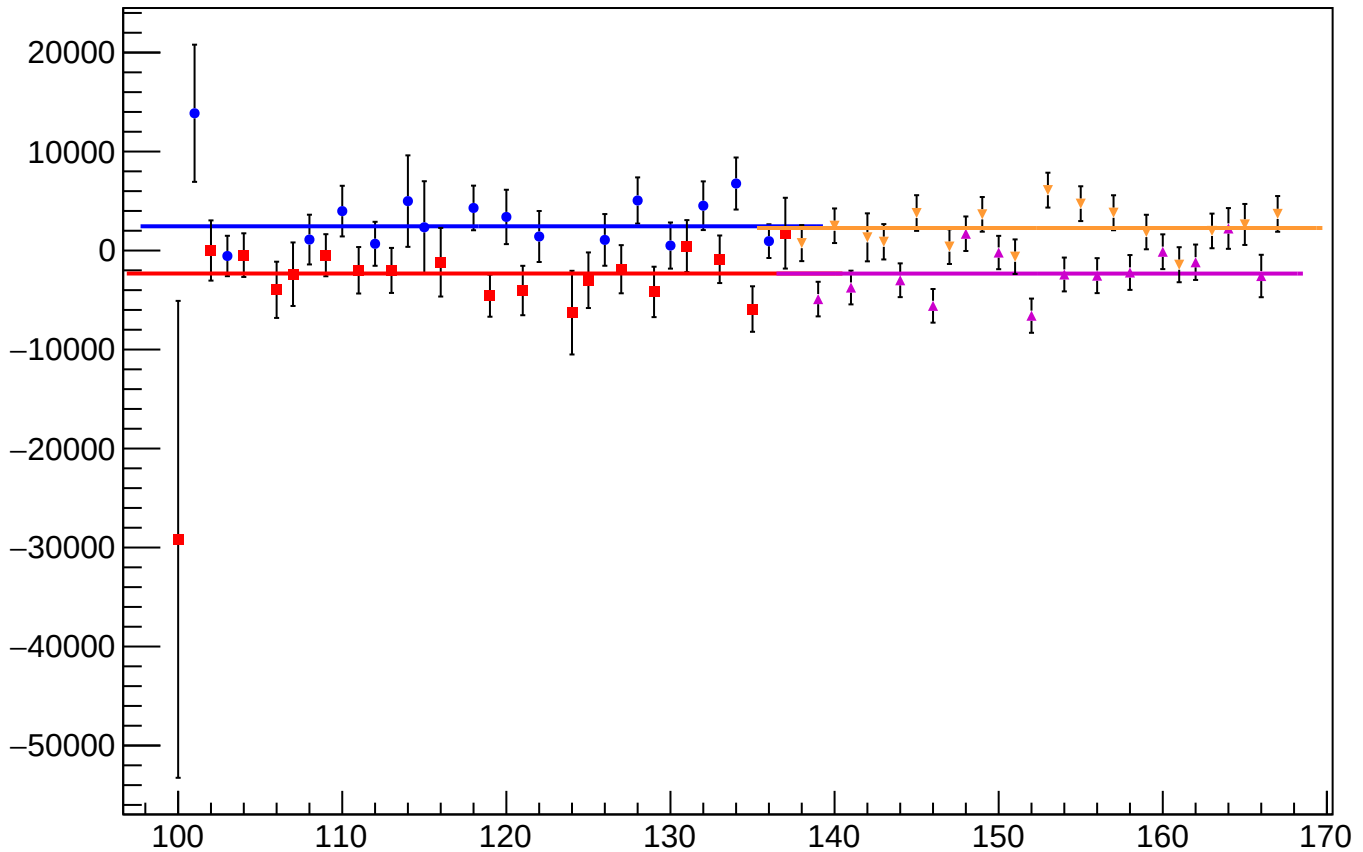
Left In: 932.018+/-0.200 χ^2/NDF : 1115280.5/13

+ sign 924.484+/-0.152 χ^2/NDF : 2085888.2/31

All: 900.009+/-0.106 χ^2/NDF : 4506446.7/64

- sign 876.684+/-0.148 χ^2/NDF : 2369869.6/32

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 ± 630.235 χ^2/NDF : 13.8/15

Left Out: 2276.918 ± 452.512 χ^2/NDF : 19.3/15

Right Out: -2320.575 ± 609.657 χ^2/NDF : 12.1/18

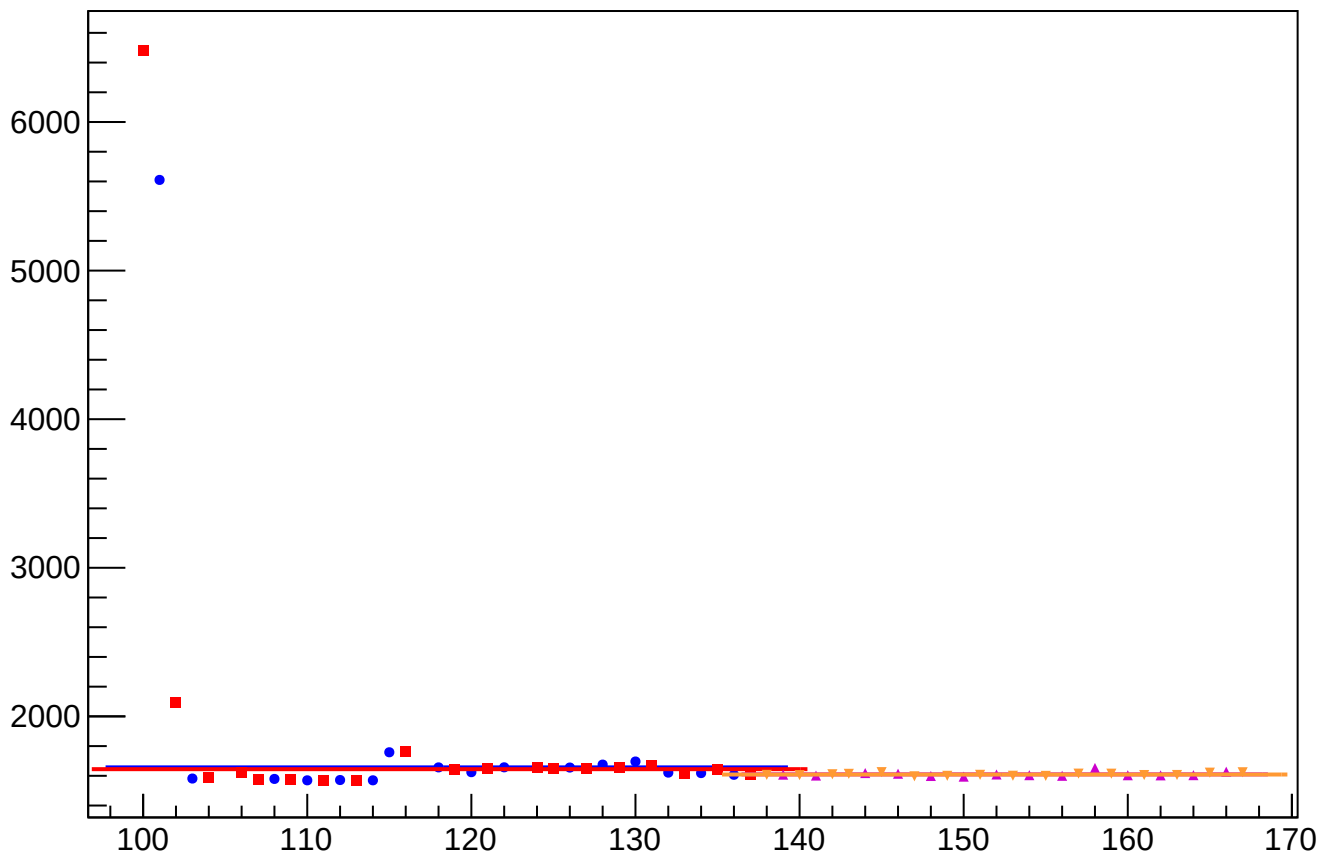
Left In: -2327.582 ± 473.711 χ^2/NDF : 26.6/13

+ sign 2335.590 ± 367.576 χ^2/NDF : 33.1/31

All: 46.086 ± 262.179 χ^2/NDF : 150.8/64

- sign -2324.944 ± 374.063 χ^2/NDF : 38.7/32

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF : 704.4/15

Right Out: 1644.733+/-0.431 χ^2/NDF : 136483.1/18

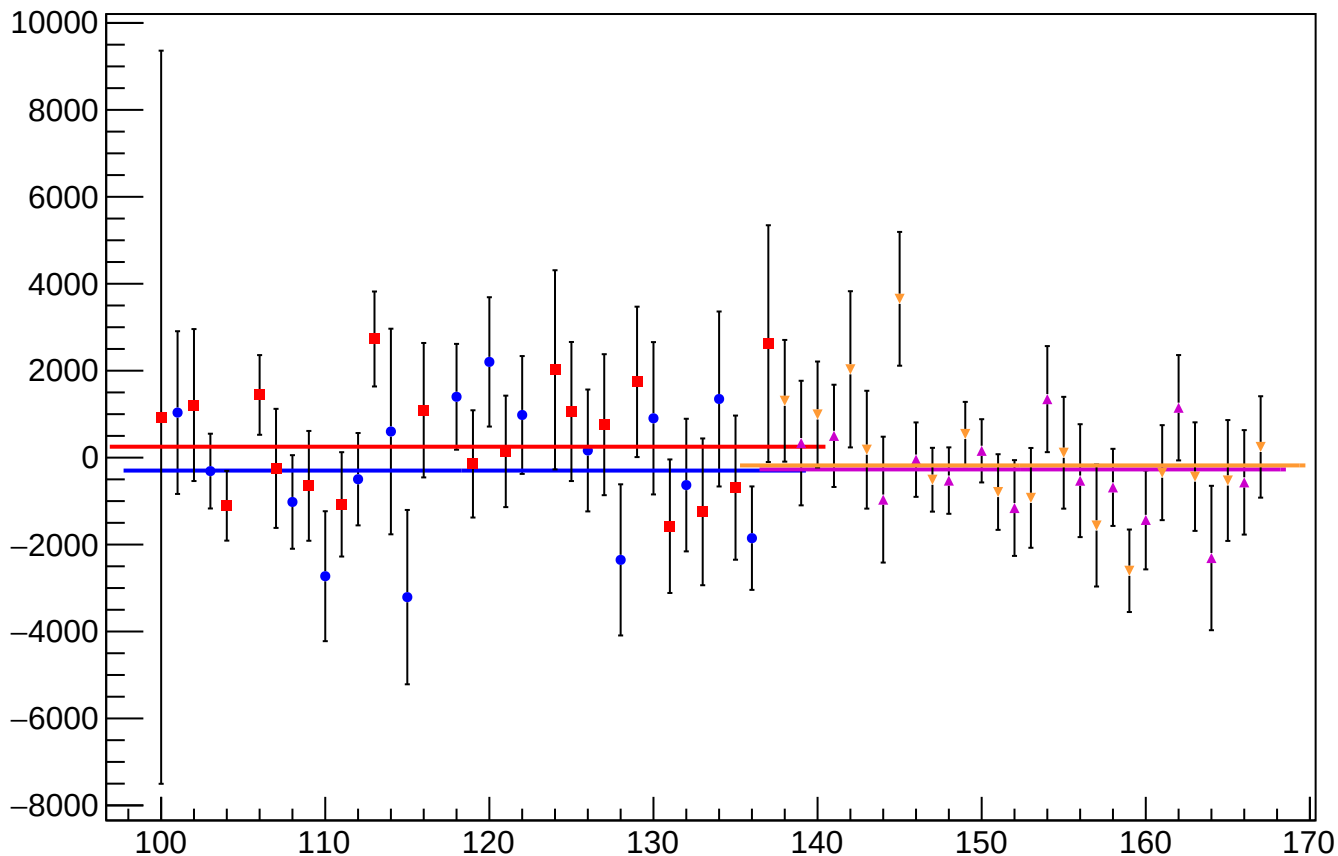
Left In: 1609.724+/-0.335 χ^2/NDF : 1828.8/13

+ sign 1625.068+/-0.260 χ^2/NDF : 674557.4/31

All: 1624.005+/-0.185 χ^2/NDF : 817015.6/64

- sign 1622.903+/-0.265 χ^2/NDF : 142424.1/32

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF : 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF : 19.7/15

Right Out: 251.230+/-315.749 χ^2/NDF : 17.3/18

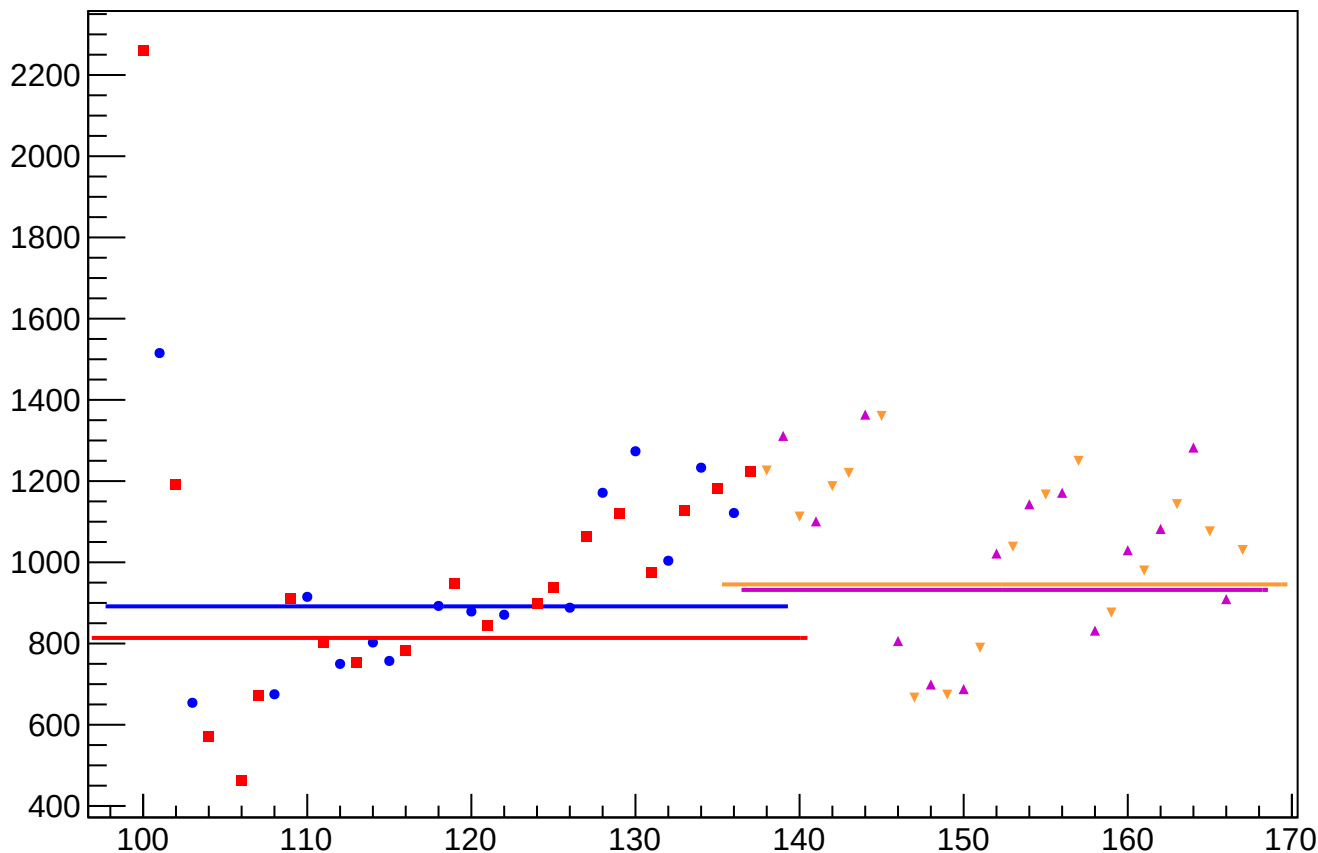
Left In: -271.256+/-282.590 χ^2/NDF : 8.0/13

+ sign -225.570+/-214.840 χ^2/NDF : 35.7/31

All: -130.352+/-150.383 χ^2/NDF : 62.9/64

- sign -38.880+/-210.572 χ^2/NDF : 26.8/32

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533 $\pm$ 0.243 χ^2/NDF : 793657.2/15

Left Out: 945.598 $\pm$ 0.195 χ^2/NDF : 1262006.2/15

Right Out: 813.807 $\pm$ 0.223 χ^2/NDF : 1052991.6/18

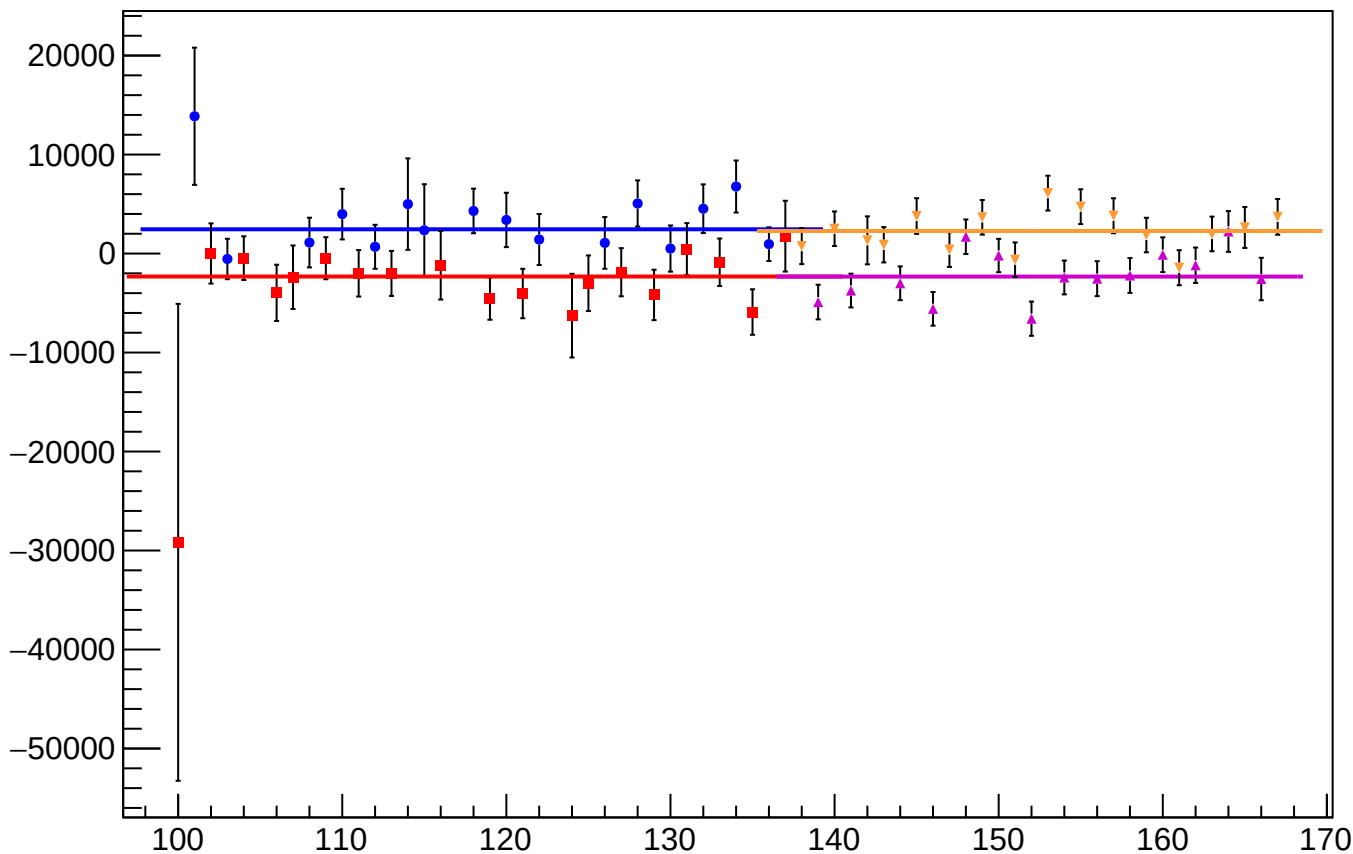
Left In: 932.022 $\pm$ 0.200 χ^2/NDF : 1115234.3/13

+ sign 924.435 $\pm$ 0.152 χ^2/NDF : 2085834.8/31

All: 901.489 $\pm$ 0.106 χ^2/NDF : 4454453.6/64

- sign 879.446 $\pm$ 0.149 χ^2/NDF : 2323887.3/32

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 2276.918 $\pm$ 452.512 χ^2 /NDF: 19.3/15

Right Out: -2320.575 $\pm$ 609.657 χ^2 /NDF: 12.1/18

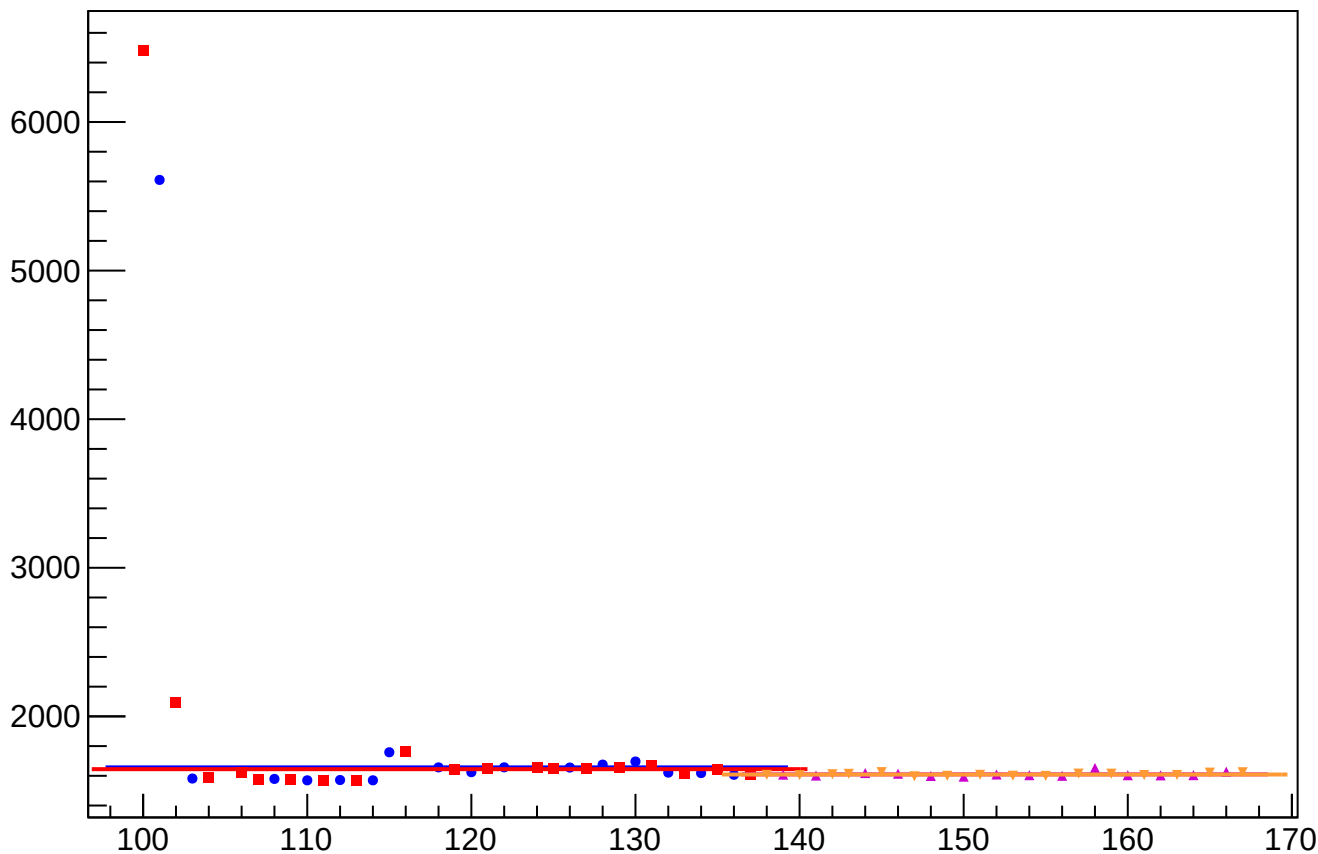
Left In: -2327.582 $\pm$ 473.711 χ^2 /NDF: 26.6/13

+ sign 2335.590 $\pm$ 367.576 χ^2 /NDF: 33.1/31

All: 46.086 $\pm$ 262.179 χ^2 /NDF: 150.8/64

- sign -2324.944 $\pm$ 374.063 χ^2 /NDF: 38.7/32

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683 $\pm$ 0.446 χ^2 /NDF: 666225.7/15

Left Out: 1608.770 $\pm$ 0.320 χ^2 /NDF: 704.4/15

Right Out: 1644.733 $\pm$ 0.431 χ^2 /NDF: 136483.1/18

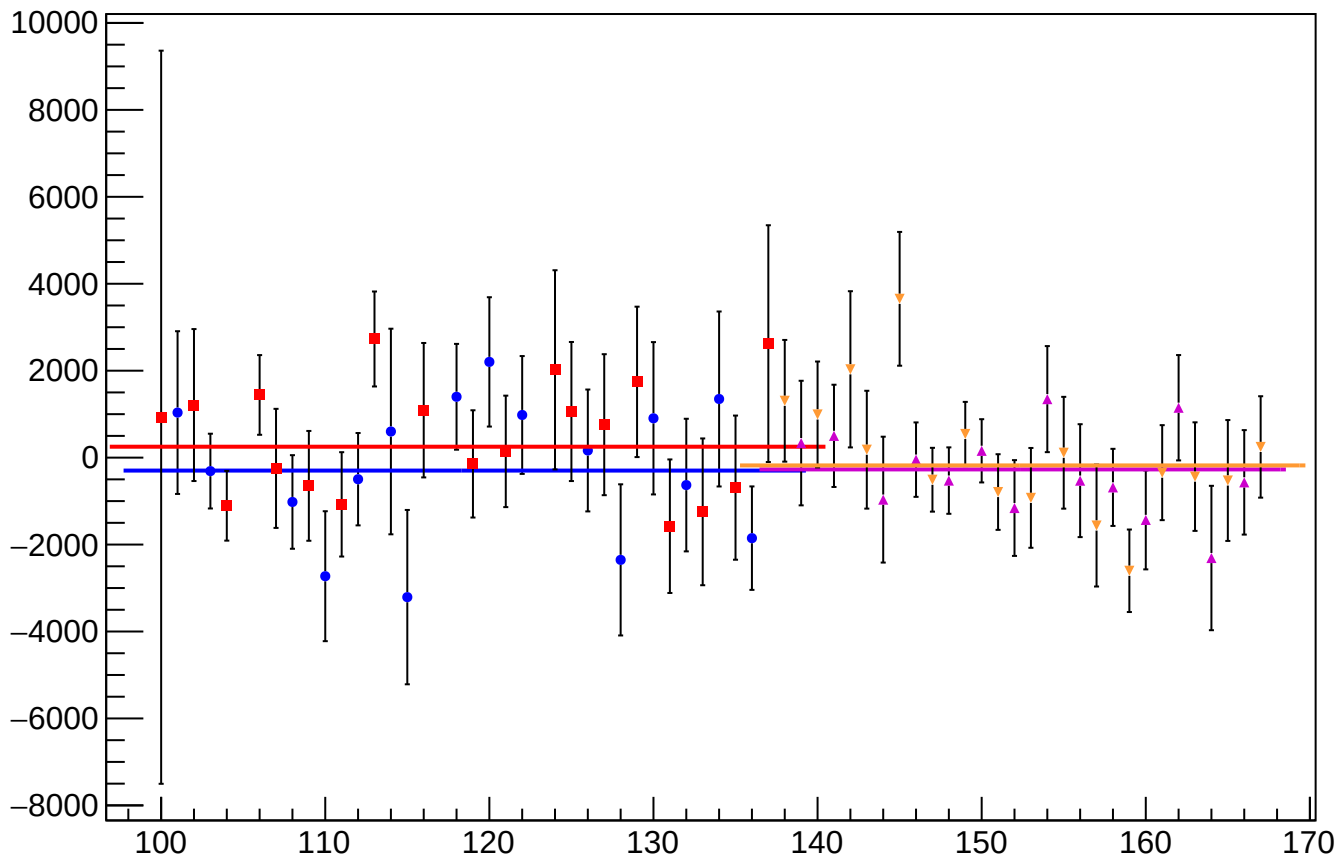
Left In: 1609.724 $\pm$ 0.335 χ^2 /NDF: 1828.8/13

+ sign 1625.068 $\pm$ 0.260 χ^2 /NDF: 674557.4/31

All: 1624.005 $\pm$ 0.185 χ^2 /NDF: 817015.6/64

- sign 1622.903 $\pm$ 0.265 χ^2 /NDF: 142424.1/32

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794 ± 343.391 χ^2/NDF : 15.9/15

Left Out: -179.116 ± 275.397 χ^2/NDF : 19.7/15

Right Out: 251.230 ± 315.749 χ^2/NDF : 17.3/18

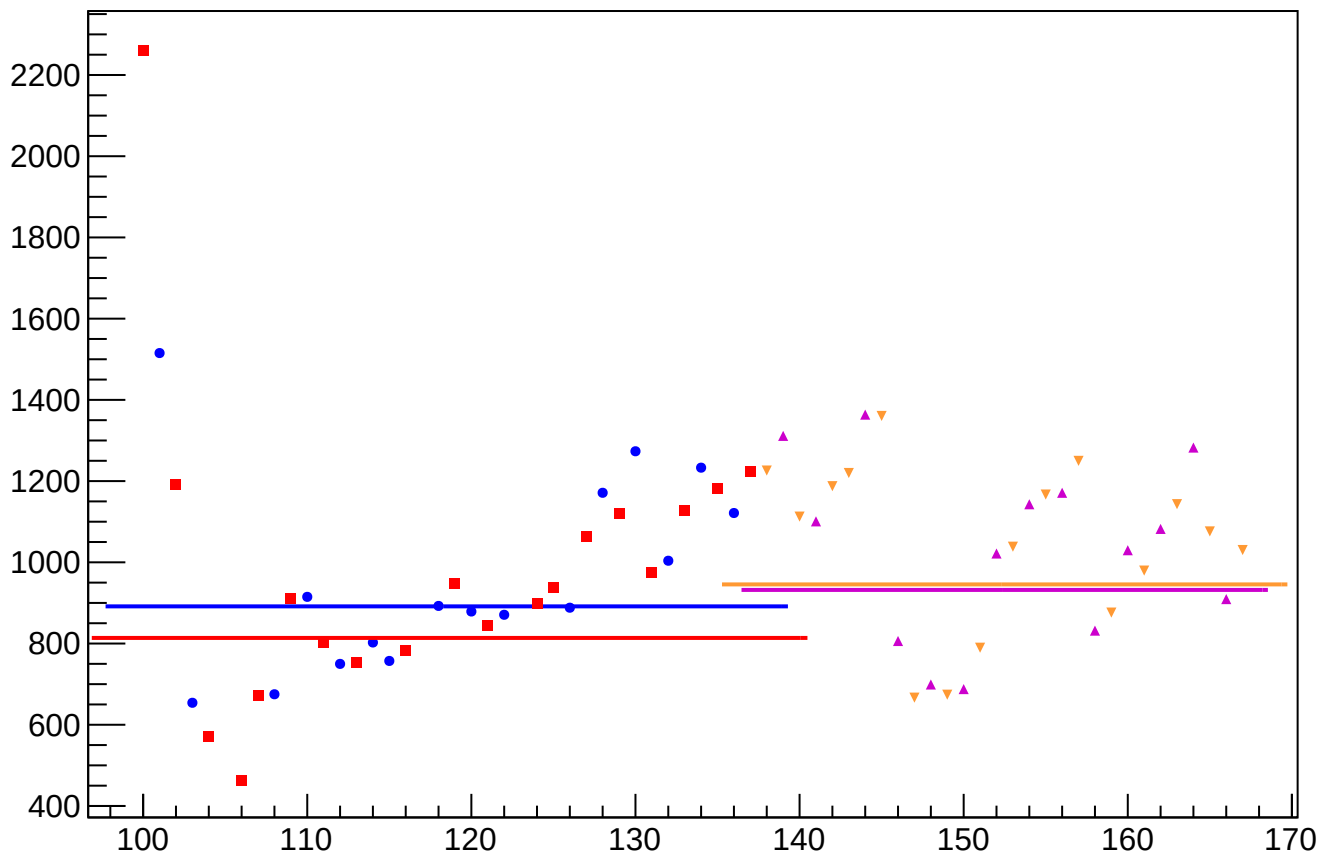
Left In: -271.256 ± 282.590 χ^2/NDF : 8.0/13

+ sign -225.570 ± 214.840 χ^2/NDF : 35.7/31

All: -130.352 ± 150.383 χ^2/NDF : 62.9/64

- sign -38.880 ± 210.572 χ^2/NDF : 26.8/32

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF : 793657.2/15

Left Out: 945.598+/-0.195 χ^2/NDF : 1262006.2/15

Right Out: 813.807+/-0.223 χ^2/NDF : 1052991.6/18

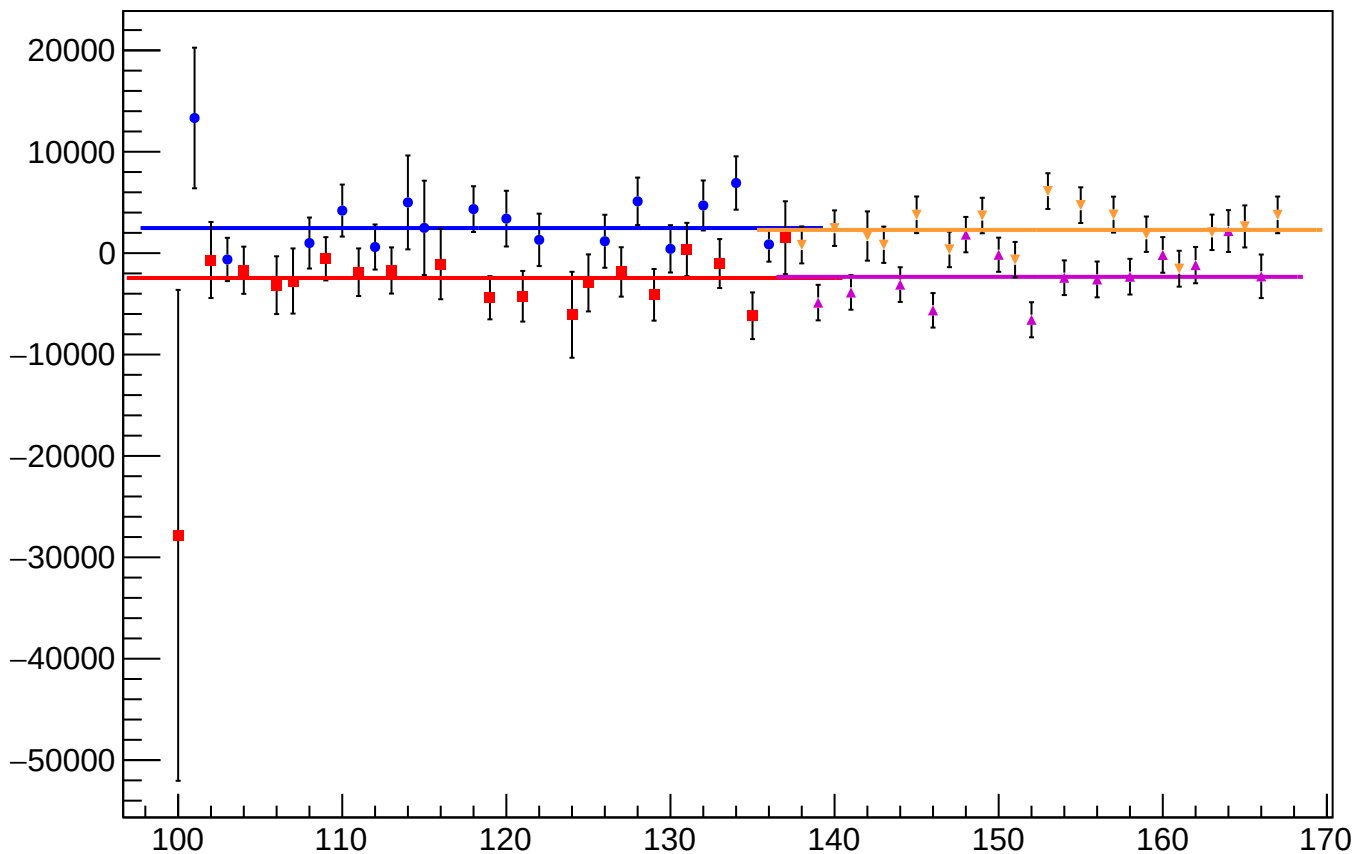
Left In: 932.022+/-0.200 χ^2/NDF : 1115234.3/13

+ sign 924.435+/-0.152 χ^2/NDF : 2085834.8/31

All: 901.489+/-0.106 χ^2/NDF : 4454453.6/64

- sign 879.446+/-0.149 χ^2/NDF : 2323887.3/32

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229 $\pm$ 633.866 χ^2 /NDF: 14.2/15

Left Out: 2289.412 $\pm$ 453.219 χ^2 /NDF: 19.6/15

Right Out: -2449.053 $\pm$ 617.532 χ^2 /NDF: 10.6/18

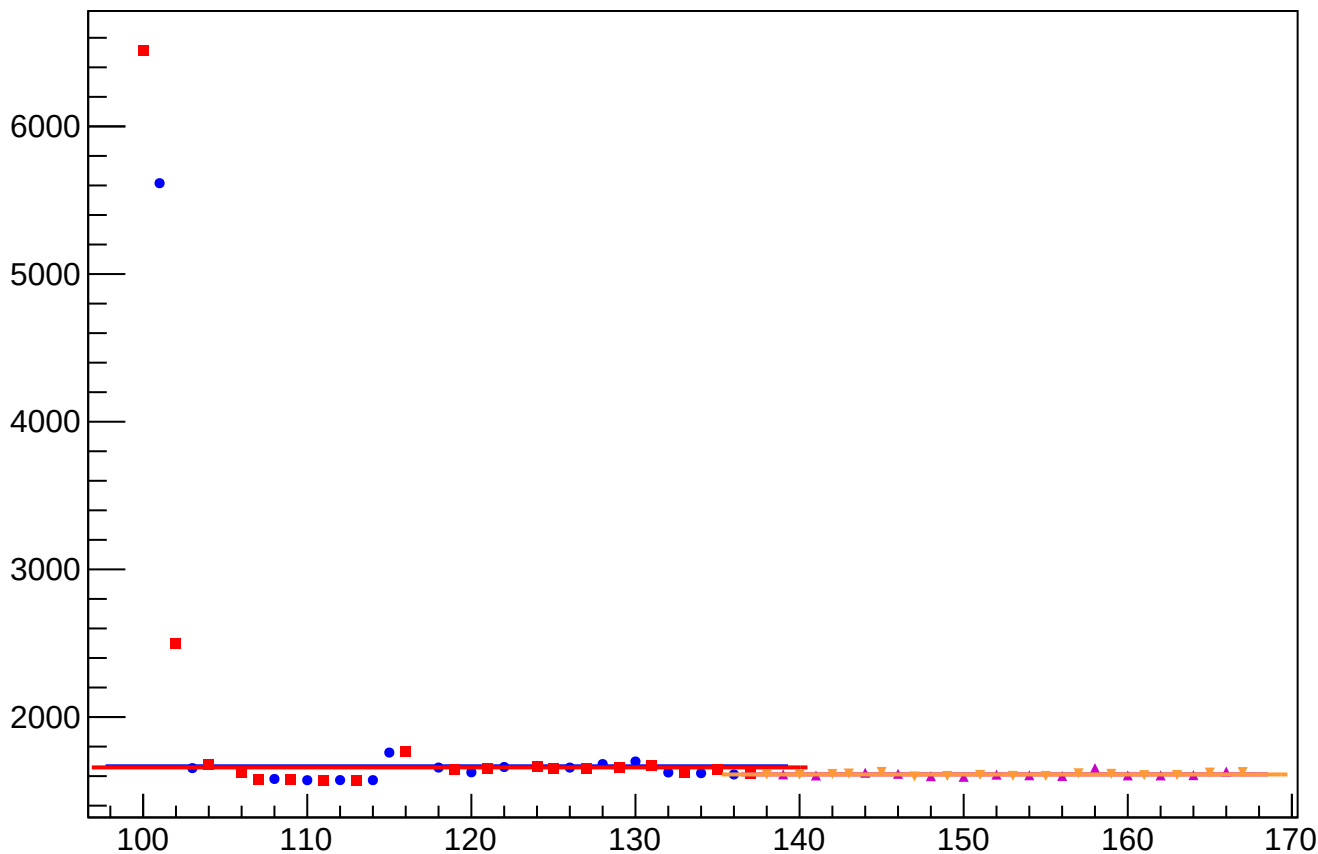
Left In: -2338.772 $\pm$ 474.330 χ^2 /NDF: 27.0/13

+ sign 2352.272 $\pm$ 368.673 χ^2 /NDF: 33.8/31

All: 33.909 $\pm$ 263.302 χ^2 /NDF: 152.1/64

- sign -2379.693 $\pm$ 376.170 χ^2 /NDF: 37.6/32

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF : 833.0/15

Right Out: 1659.005+/-0.437 χ^2/NDF : 193223.7/18

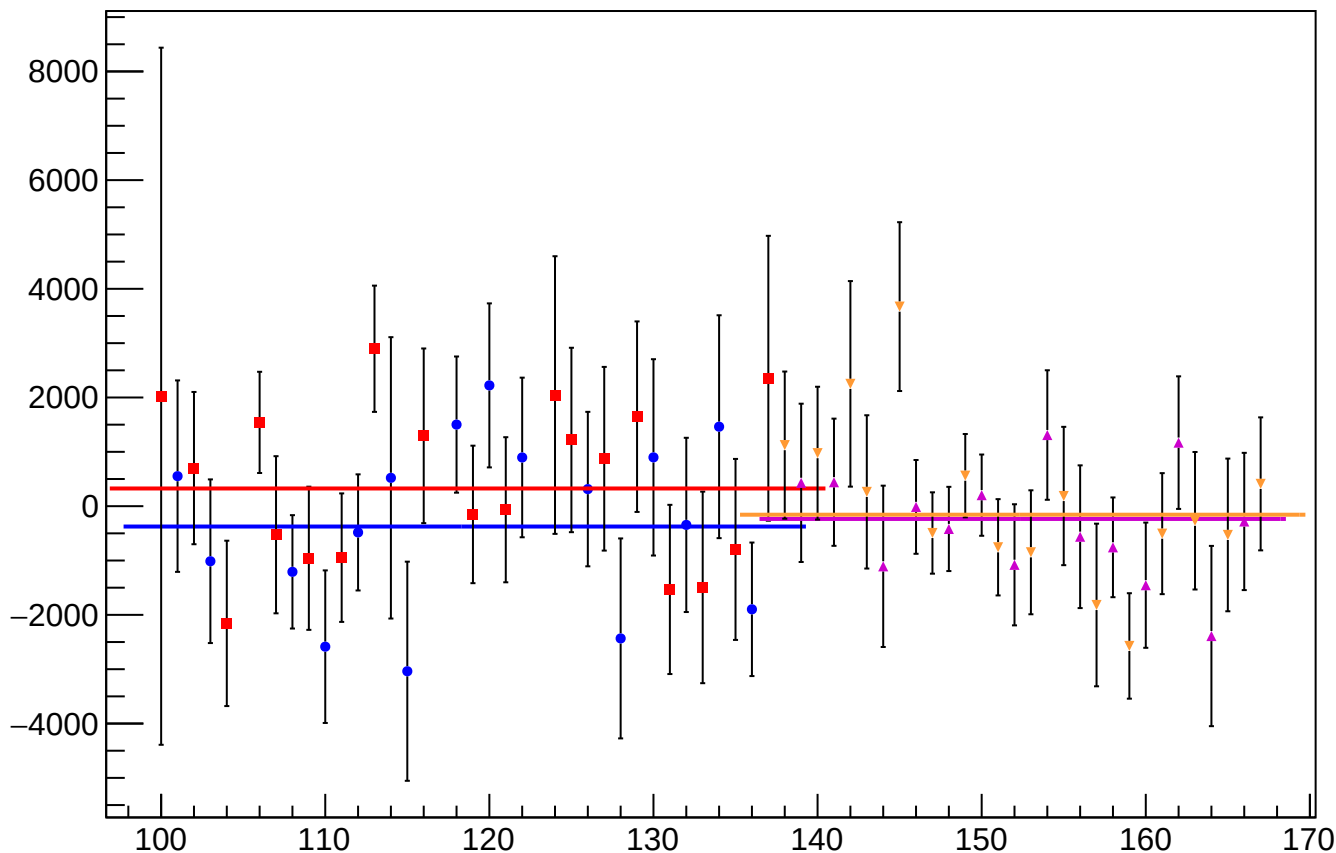
Left In: 1611.814+/-0.335 χ^2/NDF : 1901.3/13

+ sign 1629.921+/-0.261 χ^2/NDF : 673757.6/31

All: 1629.629+/-0.186 χ^2/NDF : 876230.8/64

- sign 1629.325+/-0.266 χ^2/NDF : 202470.6/32

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592 $\pm$ 367.944 χ^2/NDF : 15.7/15

Left Out: -156.976 $\pm$ 280.920 χ^2/NDF : 19.3/15

Right Out: 325.671 $\pm$ 340.620 χ^2/NDF : 17.4/18

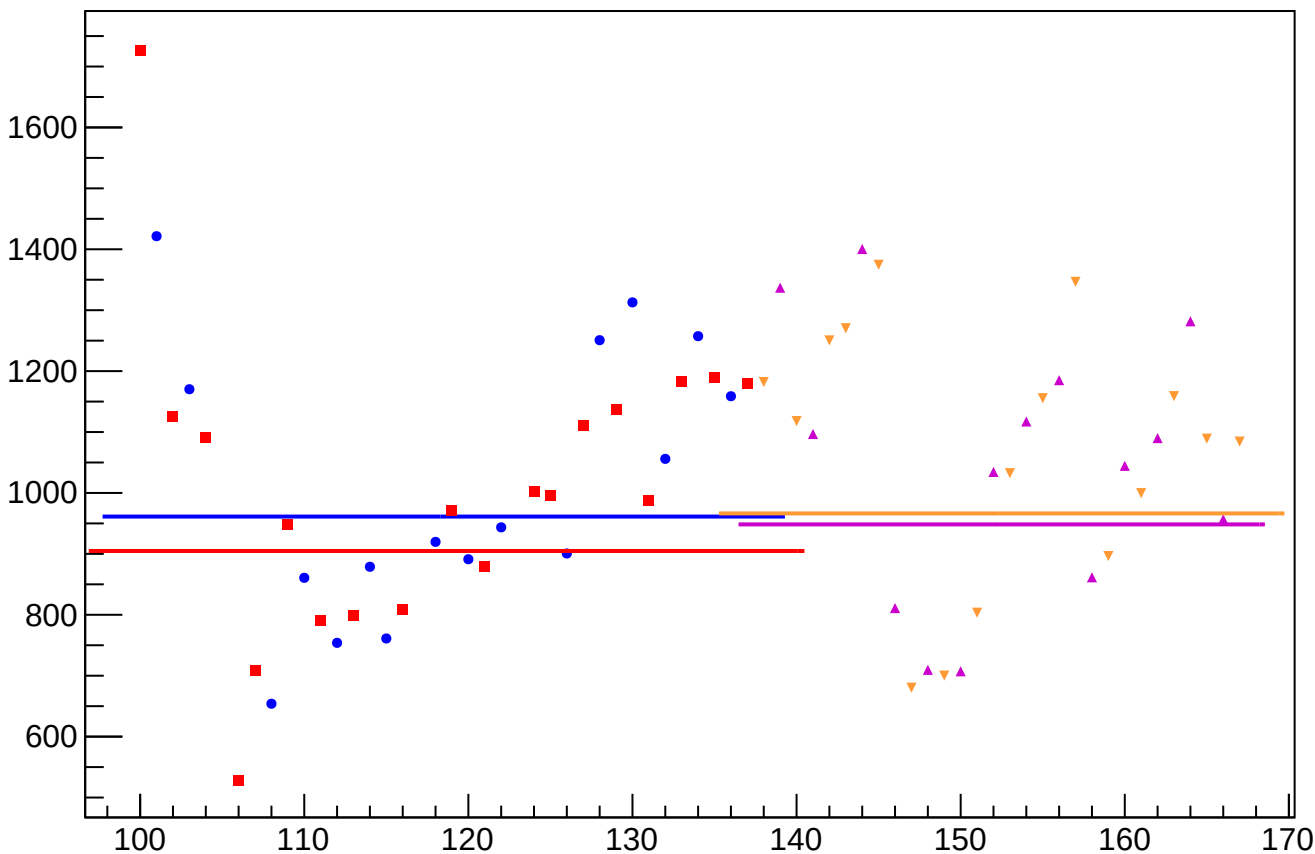
Left In: -235.168 $\pm$ 286.945 χ^2/NDF : 8.1/13

+ sign -237.113 $\pm$ 223.282 χ^2/NDF : 35.3/31

All: -117.711 $\pm$ 156.513 χ^2/NDF : 63.0/64

- sign -2.368 $\pm$ 219.453 χ^2/NDF : 27.1/32

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243 $\pm$ 0.260 χ^2 /NDF: 691875.4/15

Left Out: 966.401 $\pm$ 0.199 χ^2 /NDF:1230876.7/15

Right Out: 904.736 $\pm$ 0.241 χ^2 /NDF: 736484.7/18

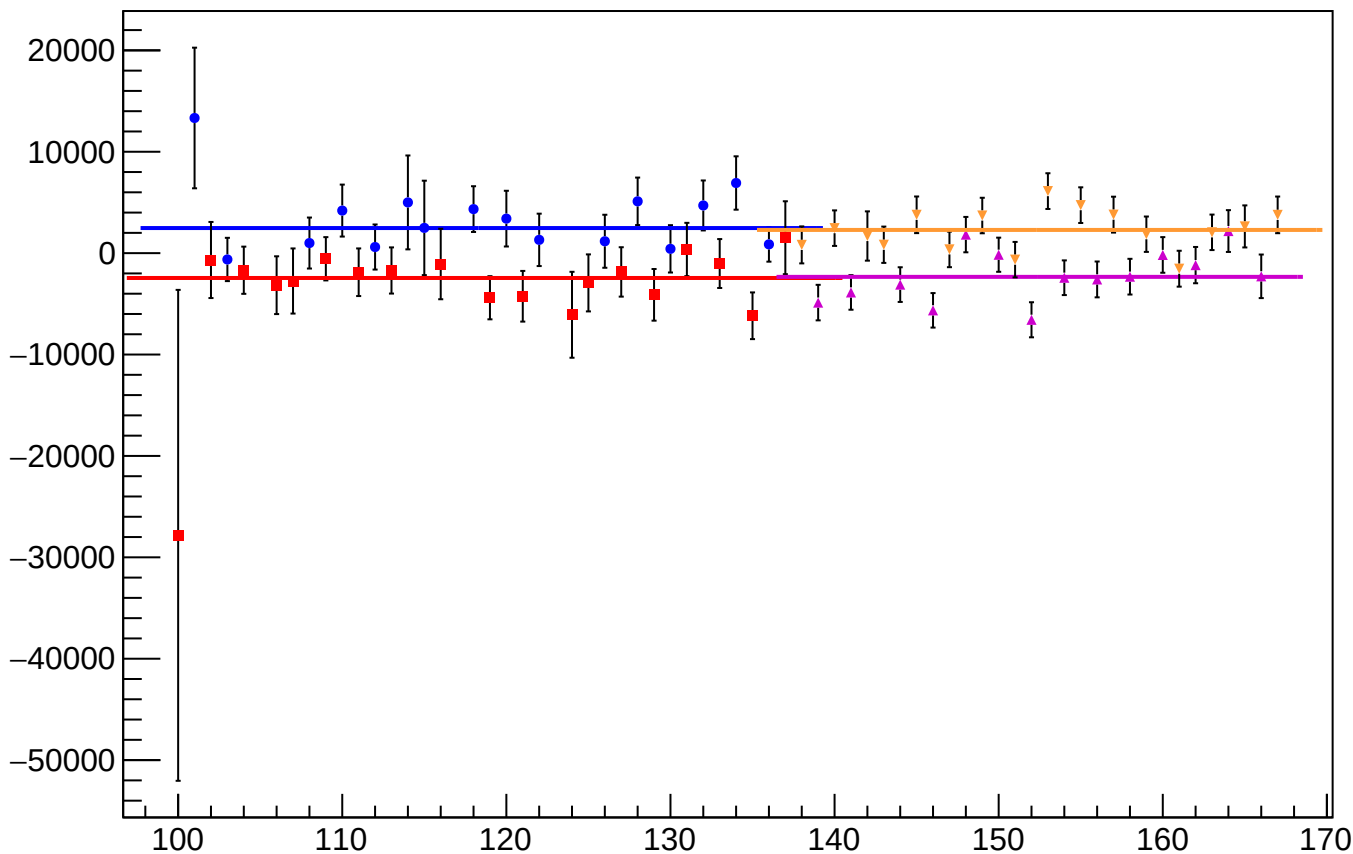
Left In: 948.376 $\pm$ 0.203 χ^2 /NDF:1065308.3/13

+ sign 964.502 $\pm$ 0.158 χ^2 /NDF: 1923000.5/31

All: 947.085 $\pm$ 0.111 χ^2 /NDF: 3767917.9/64

- sign 930.261 $\pm$ 0.155 χ^2 /NDF: 1820994.5/32

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF : 14.2/15

Left Out: 2289.411+/-453.219 χ^2/NDF : 19.6/15

Right Out: -2449.053+/-617.532 χ^2/NDF : 10.6/18

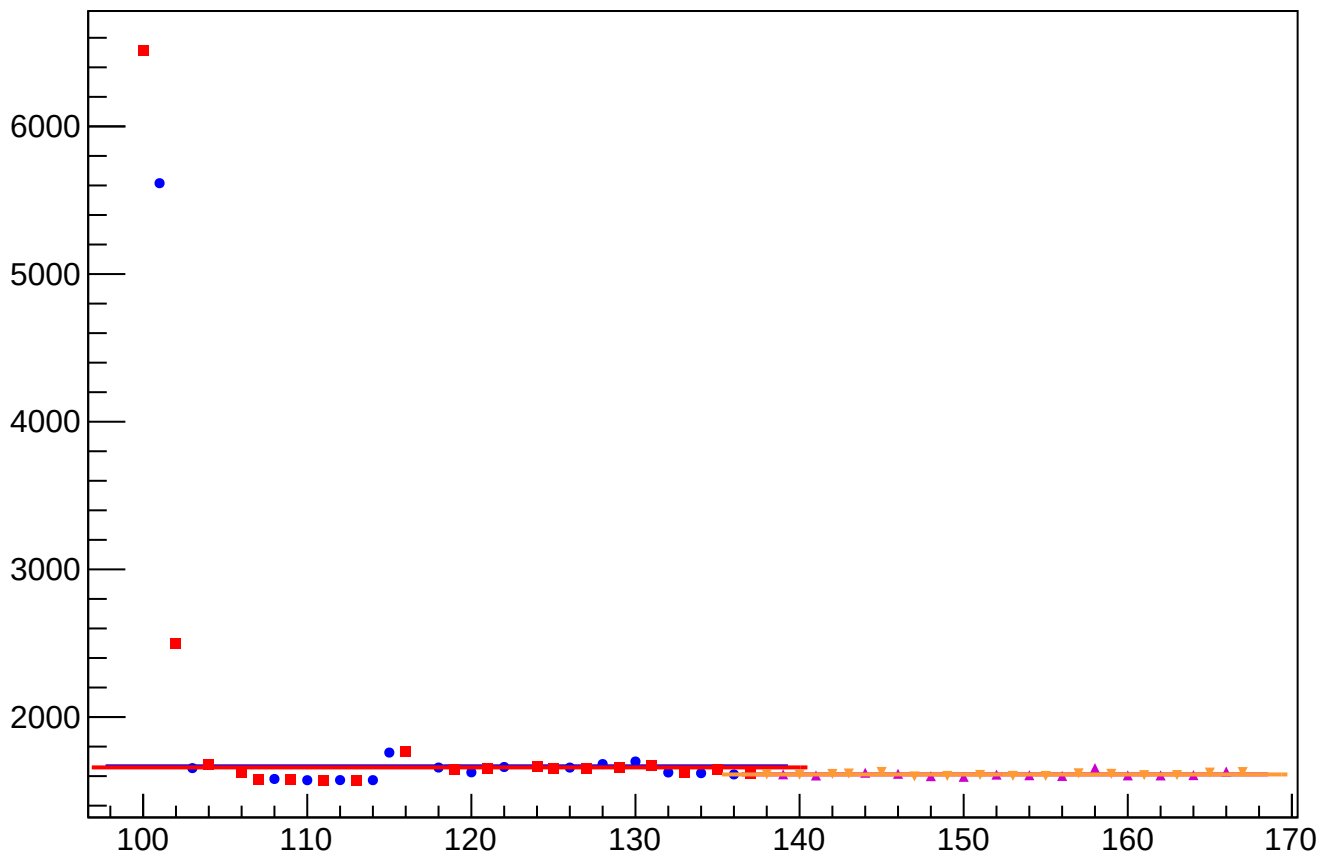
Left In: -2338.772+/-474.330 χ^2/NDF : 27.0/13

+ sign 2352.271+/-368.673 χ^2/NDF : 33.8/31

All: 33.908+/-263.302 χ^2/NDF : 152.1/64

- sign -2379.694+/-376.170 χ^2/NDF : 37.6/32

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF : 833.0/15

Right Out: 1659.004+/-0.437 χ^2/NDF : 193223.5/18

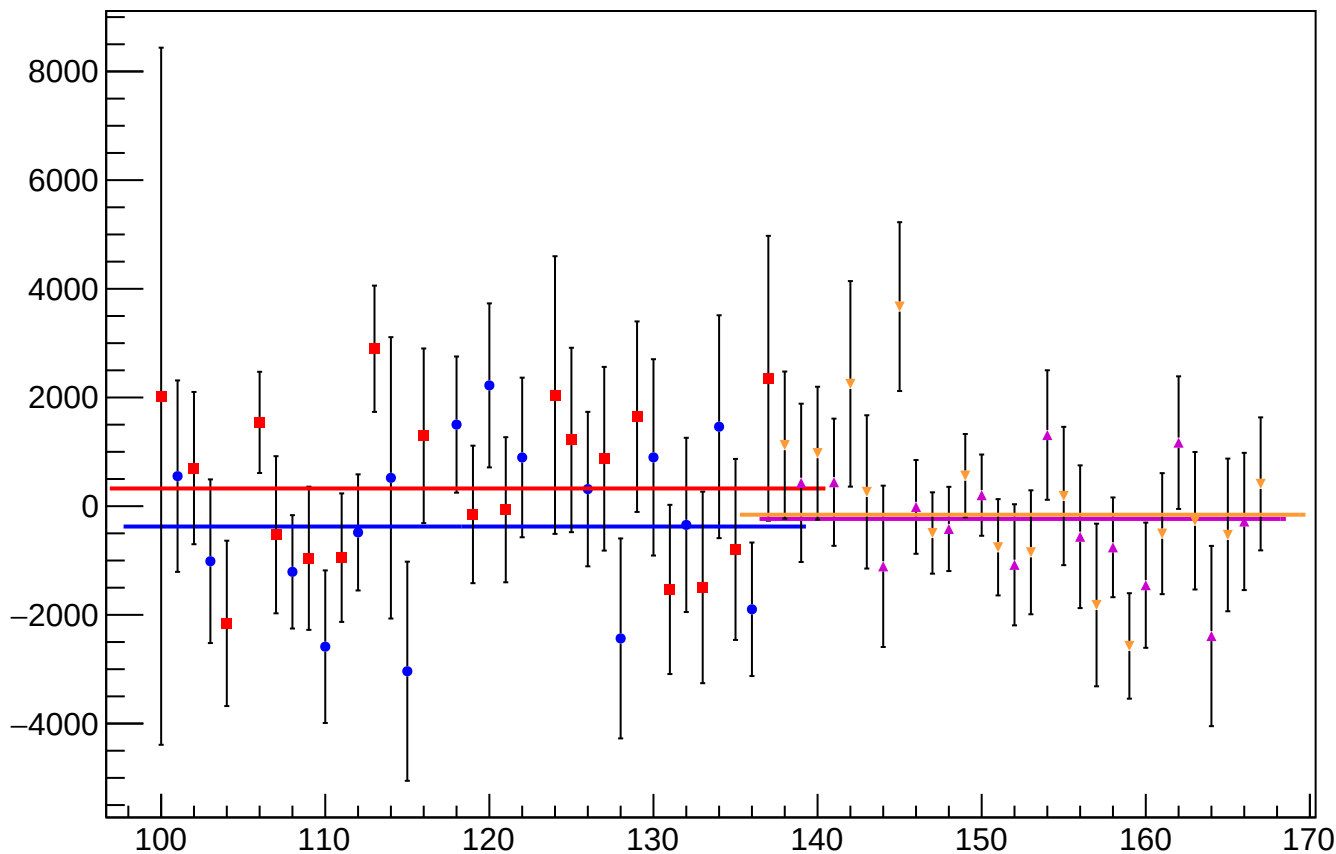
Left In: 1611.814+/-0.335 χ^2/NDF : 1901.3/13

+ sign 1629.921+/-0.261 χ^2/NDF : 673757.6/31

All: 1629.629+/-0.186 χ^2/NDF : 876230.5/64

- sign 1629.325+/-0.266 χ^2/NDF : 202470.4/32

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -374.590 $\pm$ 367.943 χ^2/NDF : 15.7/15

Left Out: -156.978 $\pm$ 280.920 χ^2/NDF : 19.3/15

Right Out: 325.670 $\pm$ 340.619 χ^2/NDF : 17.4/18

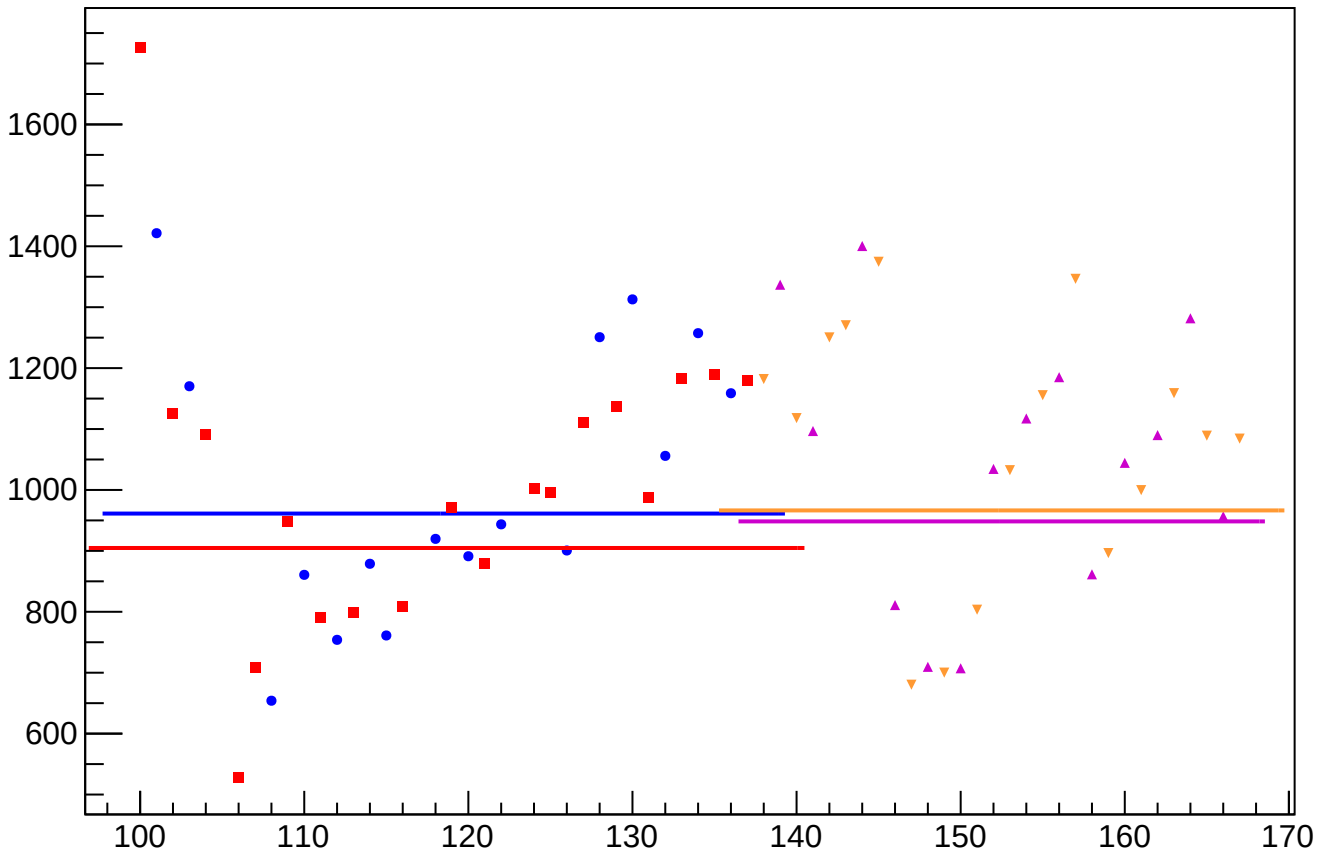
Left In: -235.169 $\pm$ 286.945 χ^2/NDF : 8.1/13

+ sign -237.115 $\pm$ 223.282 χ^2/NDF : 35.3/31

All: -117.711 $\pm$ 156.513 χ^2/NDF : 63.0/64

- sign -2.368 $\pm$ 219.453 χ^2/NDF : 27.1/32

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239 $\pm$ 0.260 χ^2 /NDF: 691883.4/15

Left Out: 966.403 $\pm$ 0.199 χ^2 /NDF: 1230879.8/15

Right Out: 904.734 $\pm$ 0.241 χ^2 /NDF: 736482.2/18

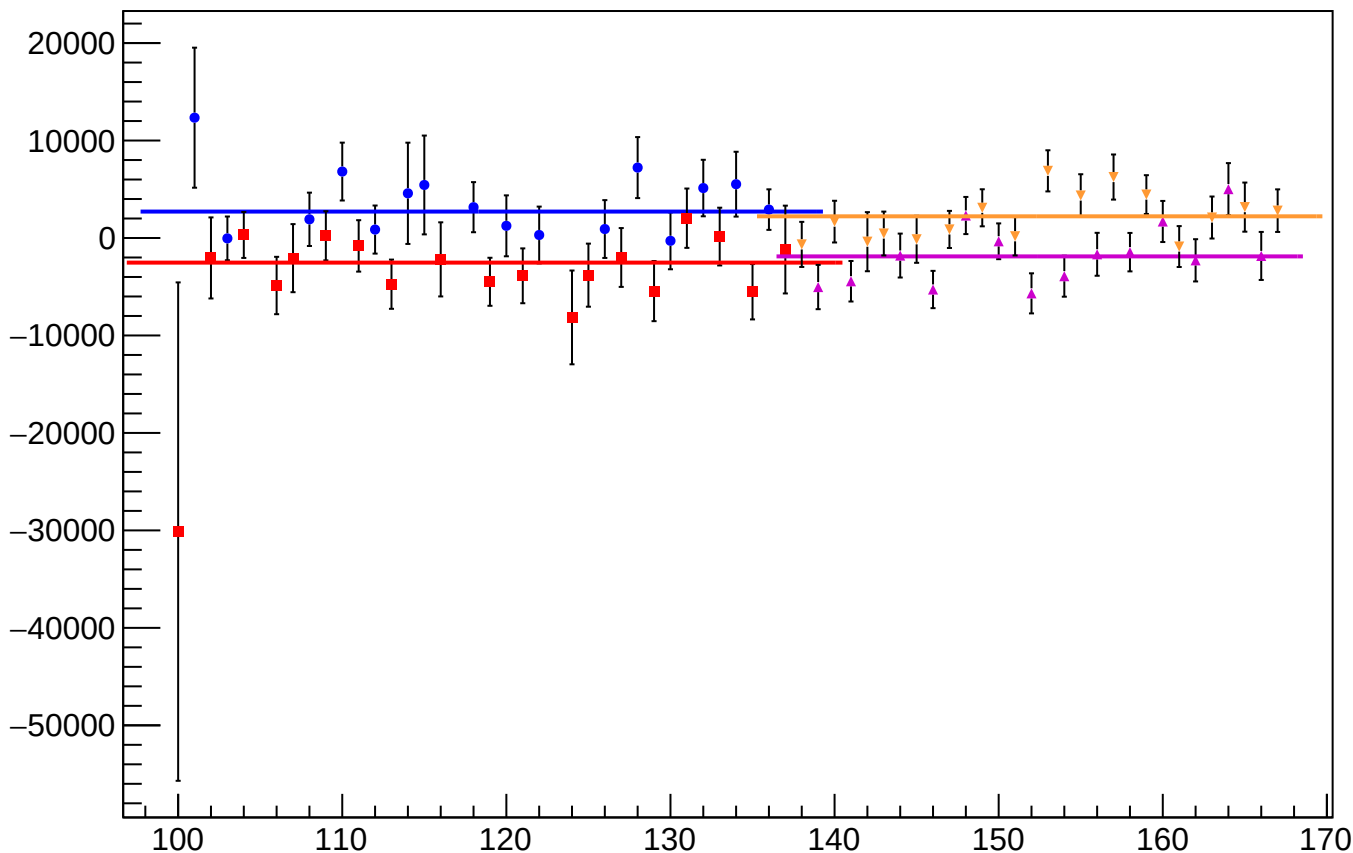
Left In: 948.378 $\pm$ 0.203 χ^2 /NDF: 1065311.2/13

+ sign 964.501 $\pm$ 0.158 χ^2 /NDF: 1923012.1/31

All: 947.085 $\pm$ 0.111 χ^2 /NDF: 3767933.6/64

- sign 930.261 $\pm$ 0.155 χ^2 /NDF: 1820998.8/32

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394 $\pm$ 735.088 χ^2/NDF : 12.1/15

Left Out: 2224.266 $\pm$ 544.166 χ^2/NDF : 18.2/15

Right Out: -2525.536 $\pm$ 706.449 χ^2/NDF : 13.2/18

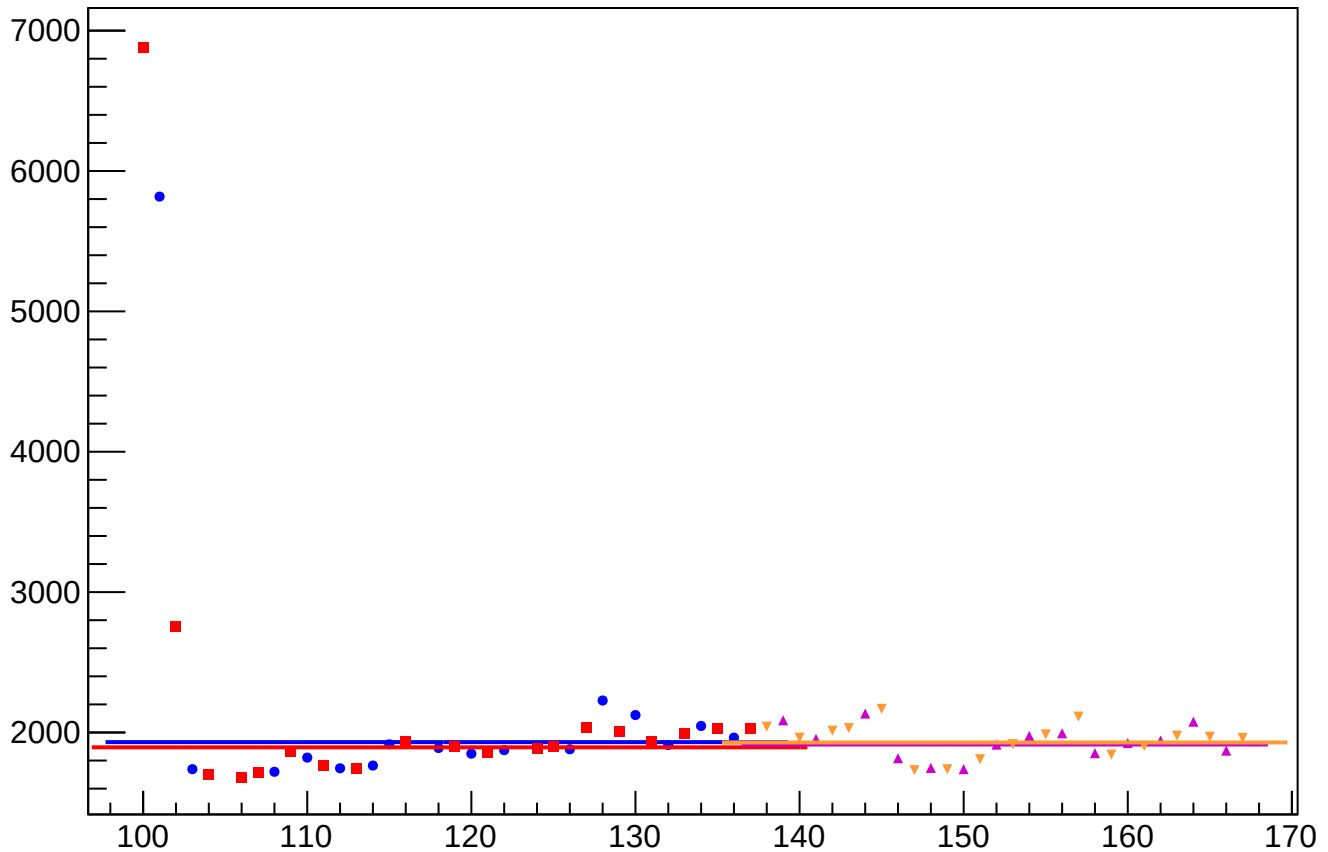
Left In: -1887.276 $\pm$ 564.672 χ^2/NDF : 26.1/13

+ sign 2396.713 $\pm$ 437.366 χ^2/NDF : 30.7/31

All: 149.489 $\pm$ 310.570 χ^2/NDF : 123.8/64

- sign -2136.091 $\pm$ 441.083 χ^2/NDF : 39.9/32

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF : 661227.1/15

Left Out: 1928.958+/-0.385 χ^2/NDF : 99828.8/15

Right Out: 1894.349+/-0.500 χ^2/NDF : 220541.1/18

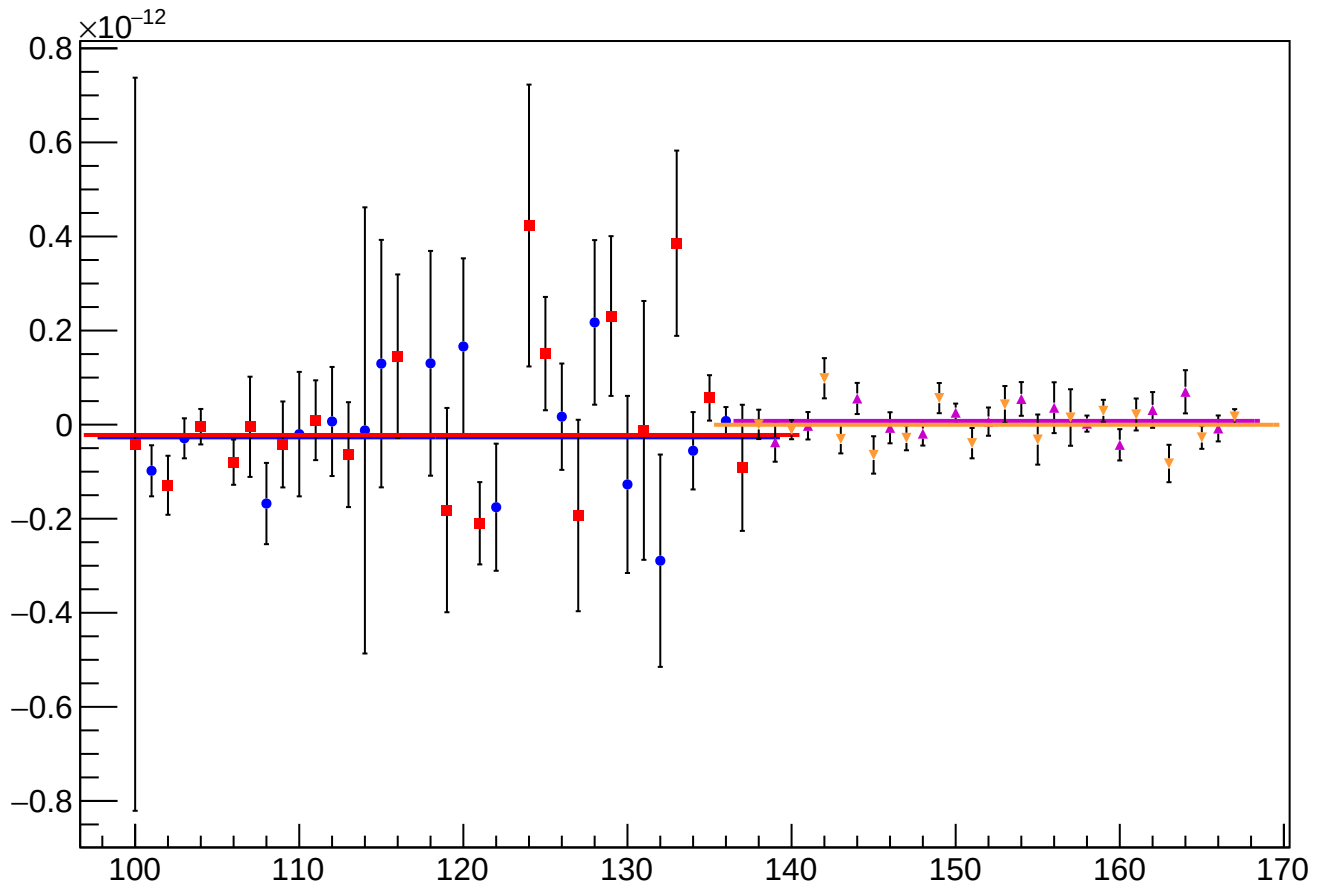
Left In: 1914.323+/-0.399 χ^2/NDF : 84948.8/13

+ sign 1929.769+/-0.309 χ^2/NDF : 761068.4/31

All: 1918.251+/-0.220 χ^2/NDF : 1070331.8/64

- sign 1906.536+/-0.312 χ^2/NDF : 306465.5/32

asym_usr_atr1_avg_reg_vs_cor_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: 25.3/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/18

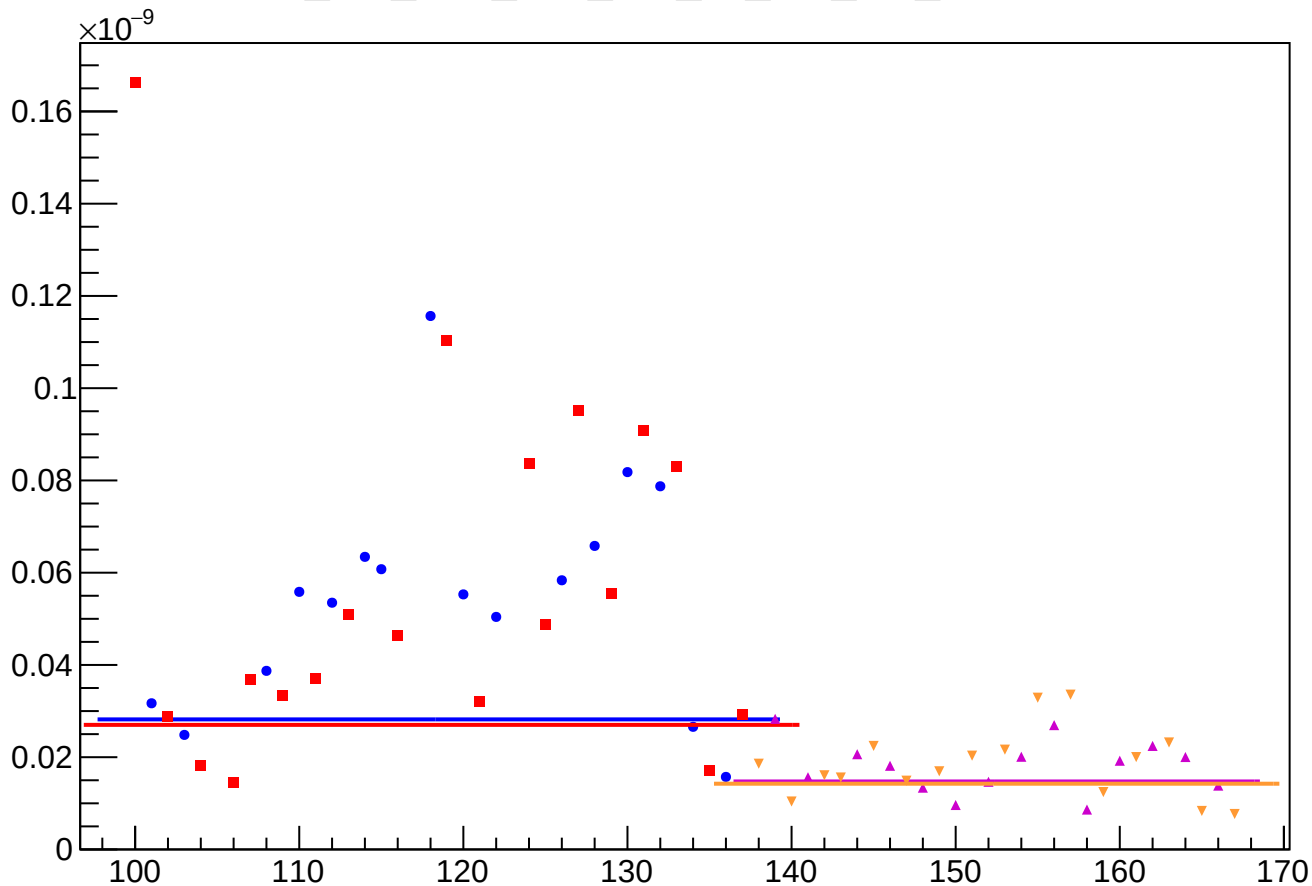
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.5/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.7/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 80.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/32

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 : 1444922.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1556165.9/18

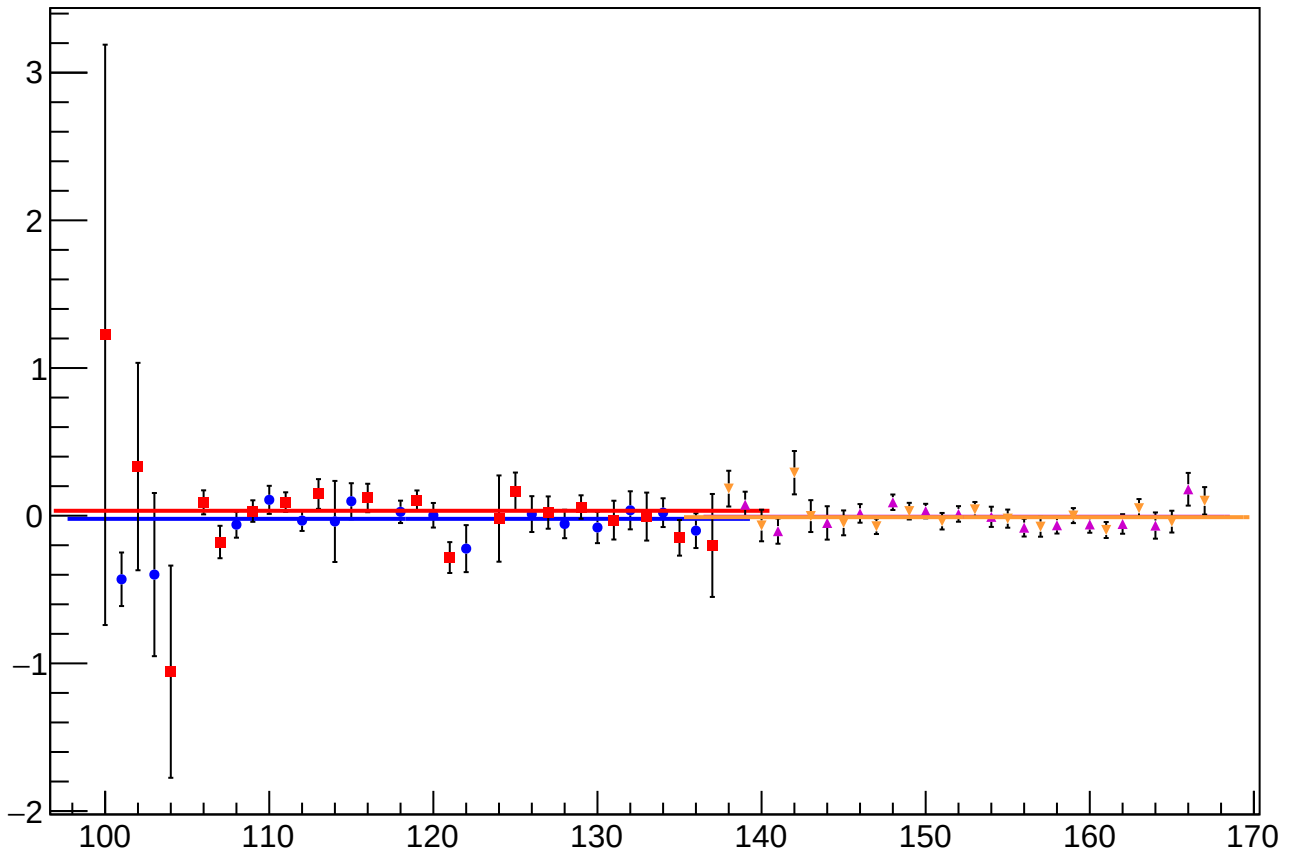
Left In: 0.000+/-0.000 χ^2/NDF : 992763.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 3863819.7/31

All: 0.000+/-0.000 χ^2/NDF : 7109596.4/64

- sign 0.000+/-0.000 χ^2/NDF : 3241675.5/32

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: -0.010 ± 0.017 χ^2/NDF : 16.6/15

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

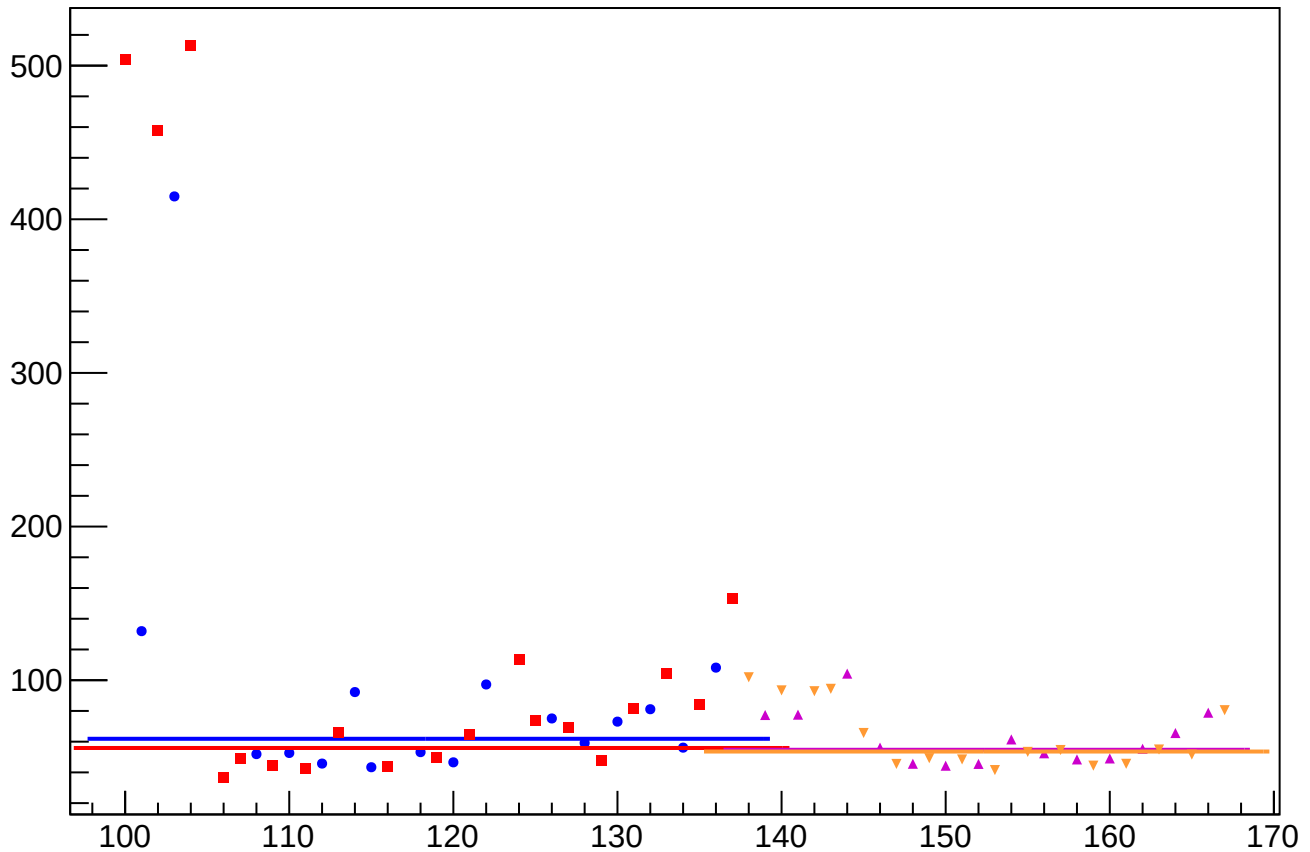
Left In: -0.007 ± 0.017 χ^2/NDF : 13.9/13

+ sign -0.013 ± 0.014 χ^2/NDF : 28.7/31

All: -0.003 ± 0.010 χ^2/NDF : 69.8/64

- sign 0.006 ± 0.014 χ^2/NDF : 40.1/32

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF : 1937953.9/15

Left Out: 53.579+/-0.012 χ^2/NDF : 1537125.9/15

Right Out: 55.887+/-0.017 χ^2/NDF : 2591275.8/18

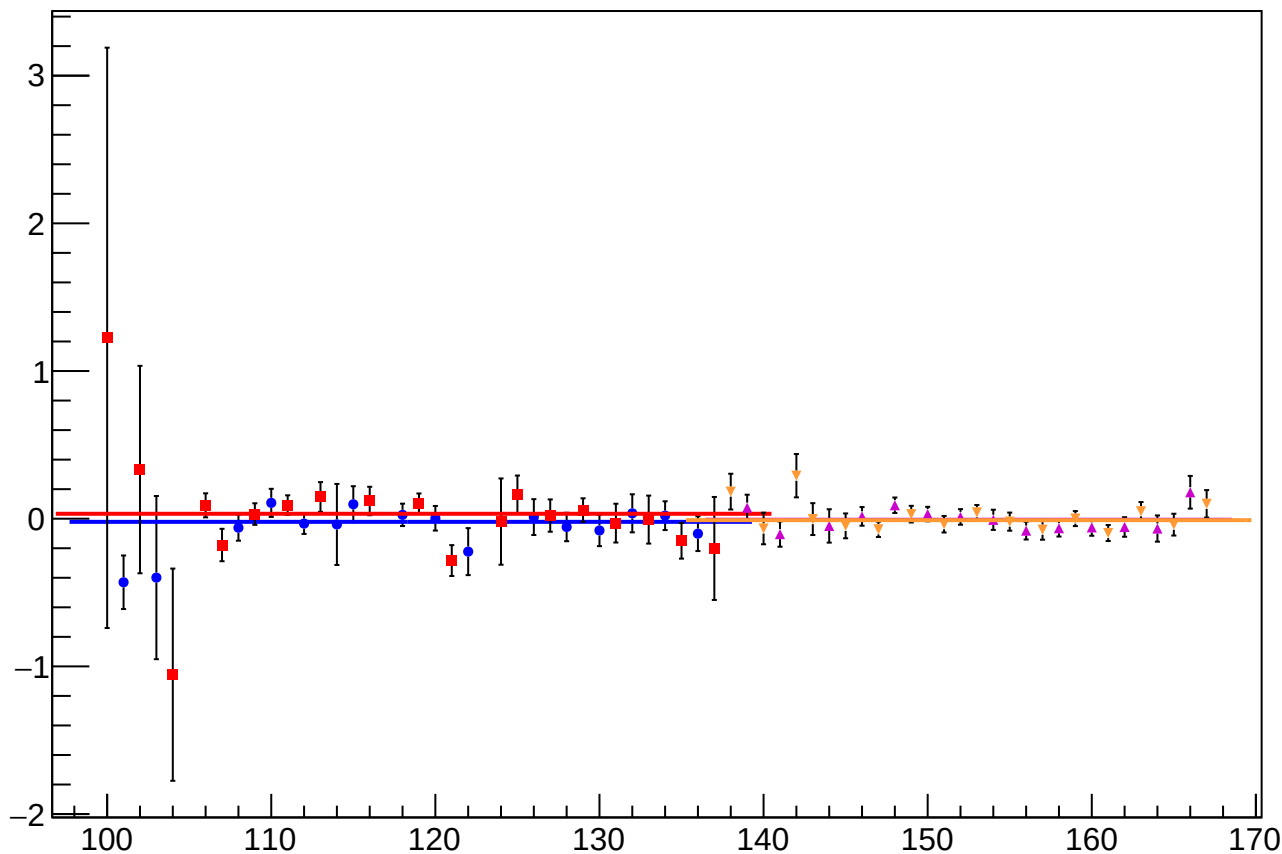
Left In: 54.718+/-0.012 χ^2/NDF : 1064168.0/13

+ sign 55.926+/-0.010 χ^2/NDF : 3615085.8/31

All: 55.520+/-0.007 χ^2/NDF : 7276860.3/64

- sign 55.109+/-0.010 χ^2/NDF : 3658454.1/32

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: -0.010 ± 0.017 χ^2/NDF : 16.6/15

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

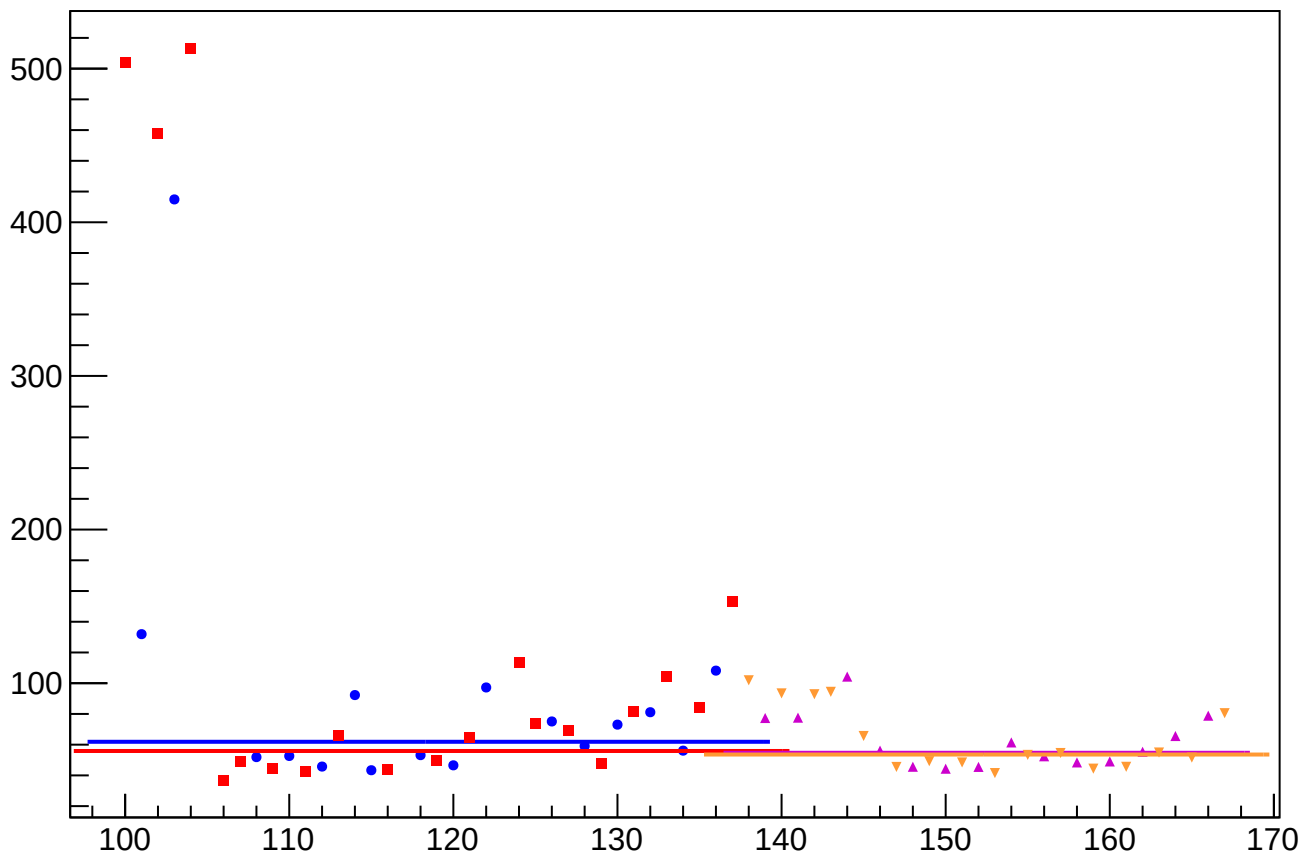
Left In: -0.007 ± 0.017 χ^2/NDF : 13.9/13

+ sign -0.013 ± 0.014 χ^2/NDF : 28.7/31

All: -0.003 ± 0.010 χ^2/NDF : 69.8/64

- sign 0.006 ± 0.014 χ^2/NDF : 40.1/32

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: 53.579 $\pm$ 0.012 χ^2 /NDF: 1537125.9/15

Right Out: 55.887 $\pm$ 0.017 χ^2 /NDF: 2591275.8/18

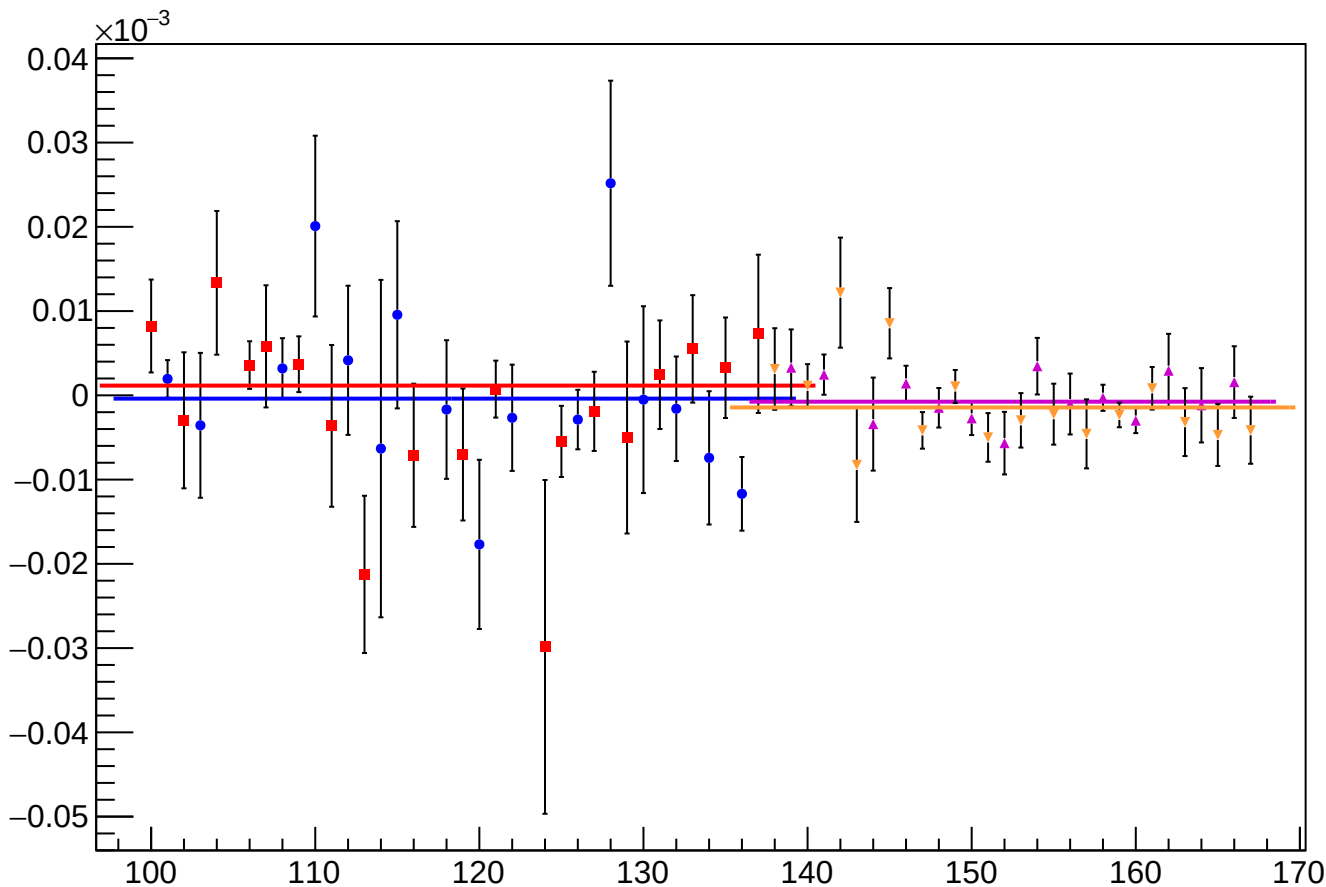
Left In: 54.718 $\pm$ 0.012 χ^2 /NDF: 1064168.0/13

+ sign 55.926 $\pm$ 0.010 χ^2 /NDF: 3615085.8/31

All: 55.520 $\pm$ 0.007 χ^2 /NDF: 7276860.3/64

- sign 55.109 $\pm$ 0.010 χ^2 /NDF: 3658454.1/32

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.6/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 21.2/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.4/18

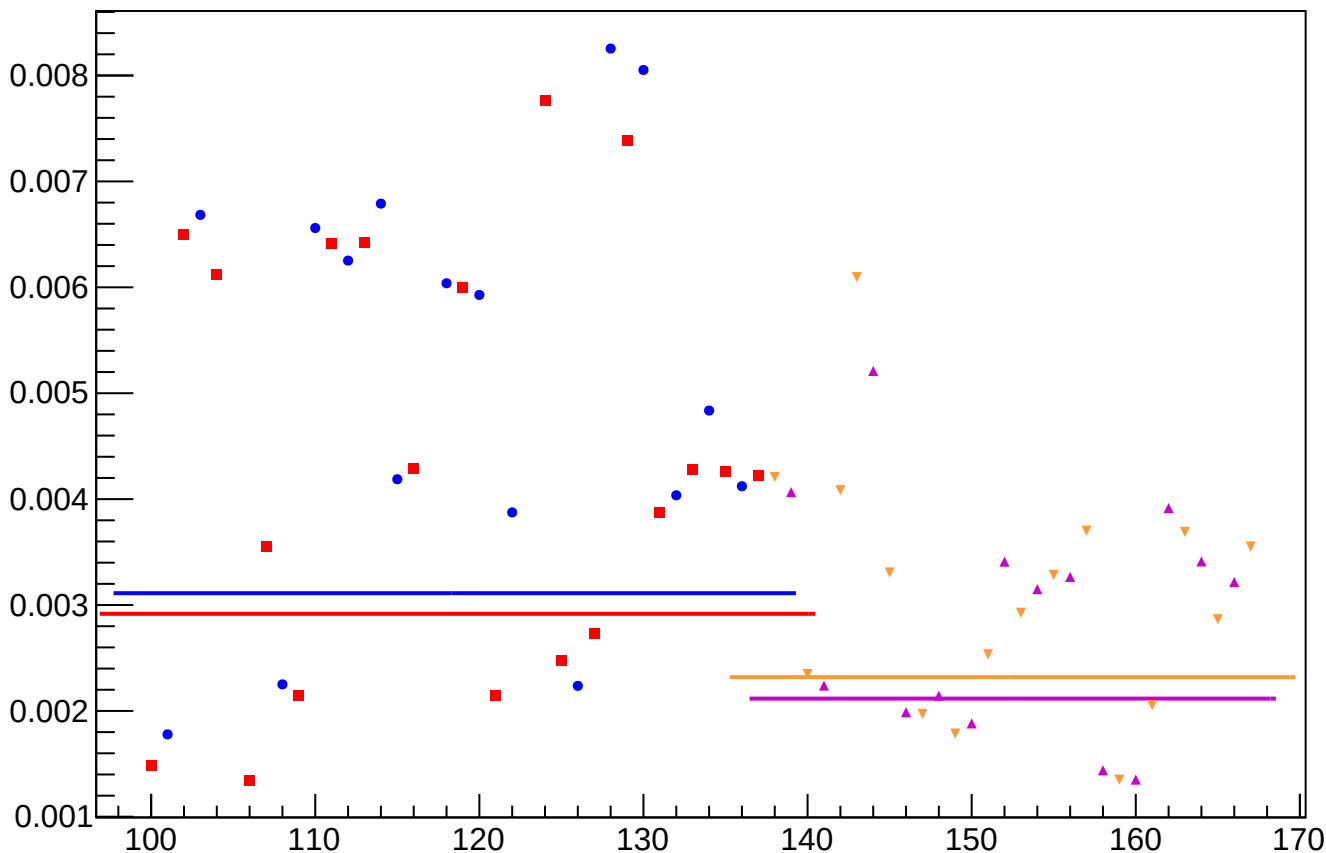
Left In: -0.000 ± 0.000 χ^2/NDF : 11.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 44.2/31

All: -0.000 ± 0.000 χ^2/NDF : 79.2/64

- sign -0.000 ± 0.000 χ^2/NDF : 33.9/32

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF : 3205036.7/15

Right Out: 0.003+/-0.000 χ^2/NDF : 3295506.1/18

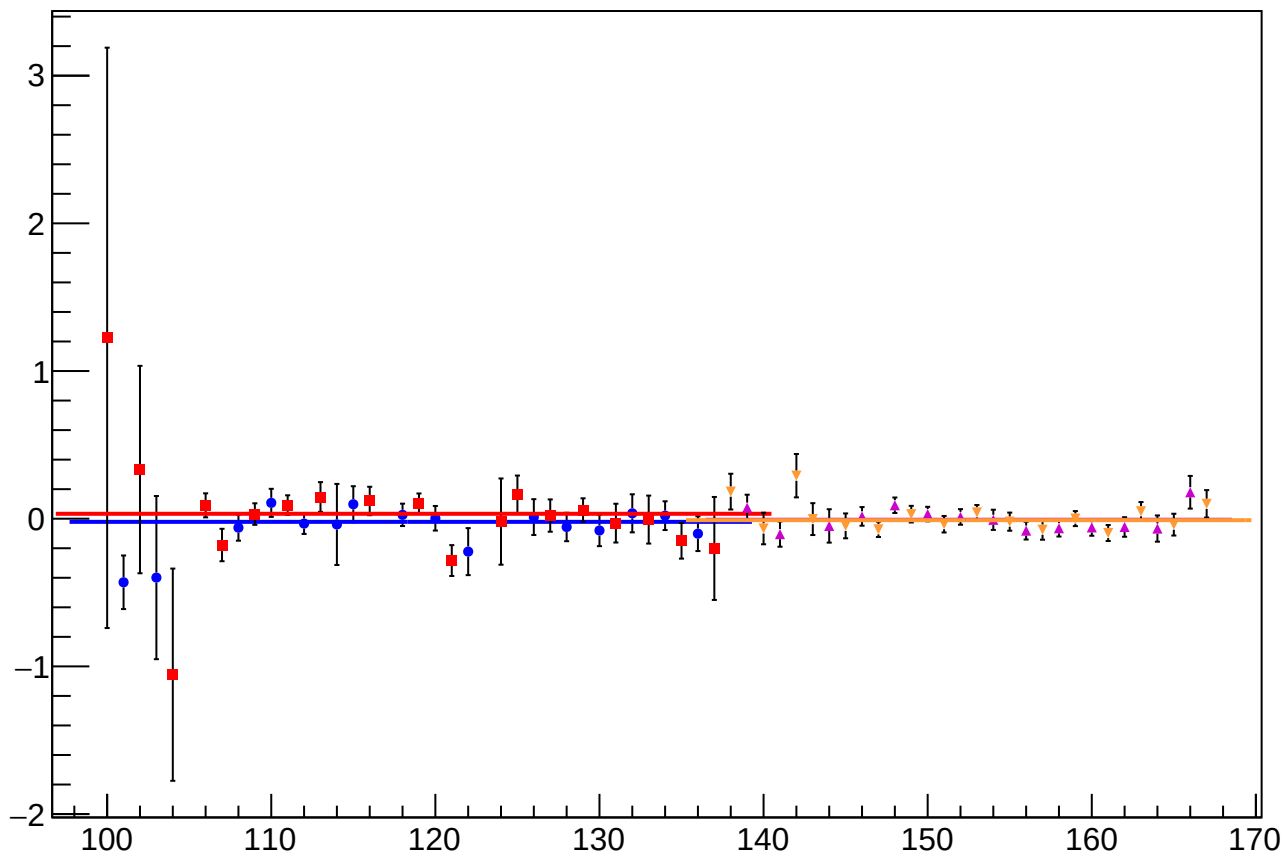
Left In: 0.002+/-0.000 χ^2/NDF : 3227668.9/13

+ sign 0.002+/-0.000 χ^2/NDF : 7037764.3/31

All: 0.002+/-0.000 χ^2/NDF : 14300177.9/64

- sign 0.002+/-0.000 χ^2/NDF : 7155727.1/32

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: -0.010 ± 0.017 χ^2/NDF : 16.6/15

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

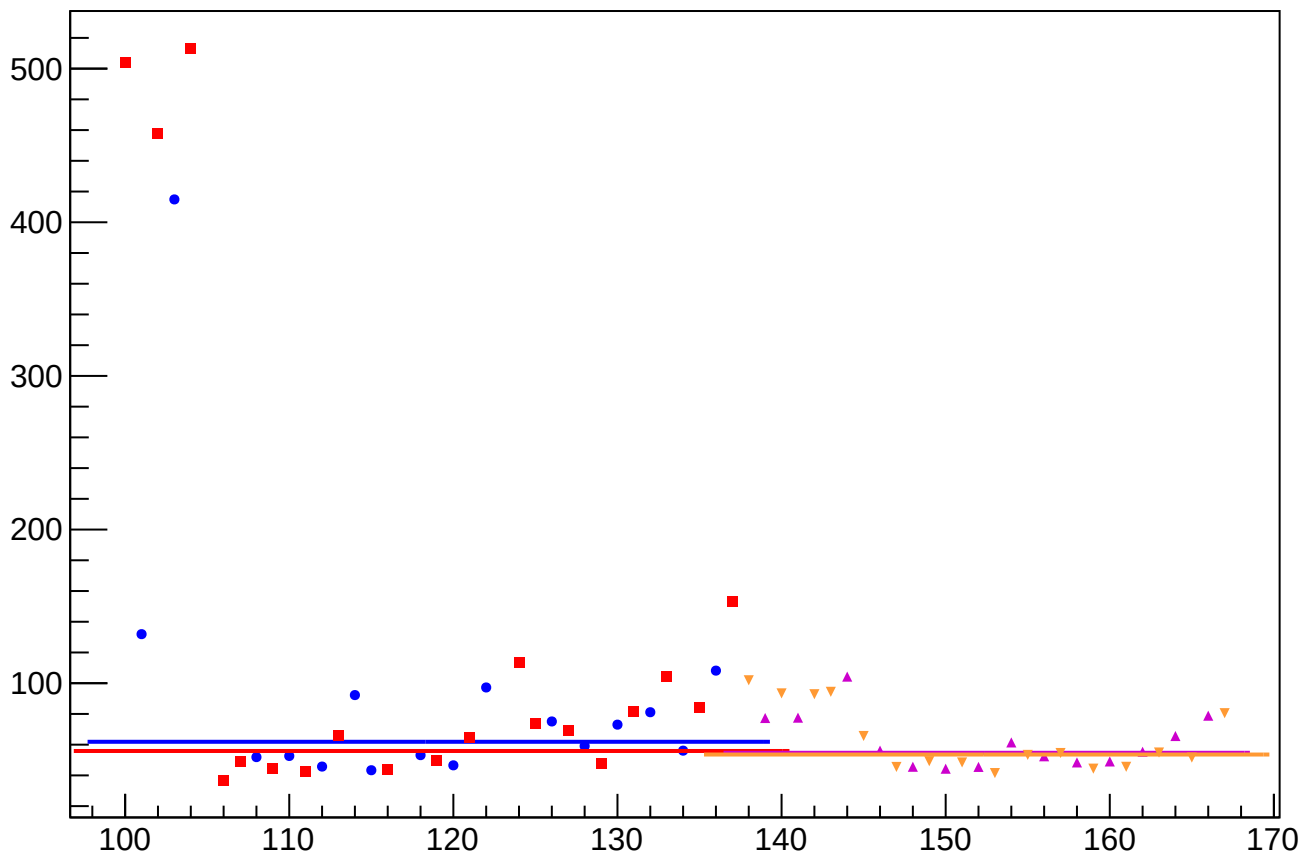
Left In: -0.007 ± 0.017 χ^2/NDF : 13.9/13

+ sign -0.013 ± 0.014 χ^2/NDF : 28.7/31

All: -0.003 ± 0.010 χ^2/NDF : 69.8/64

- sign 0.006 ± 0.014 χ^2/NDF : 40.1/32

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF : 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF : 1537169.8/15

Right Out: 55.886+/-0.017 χ^2/NDF : 2591233.7/18

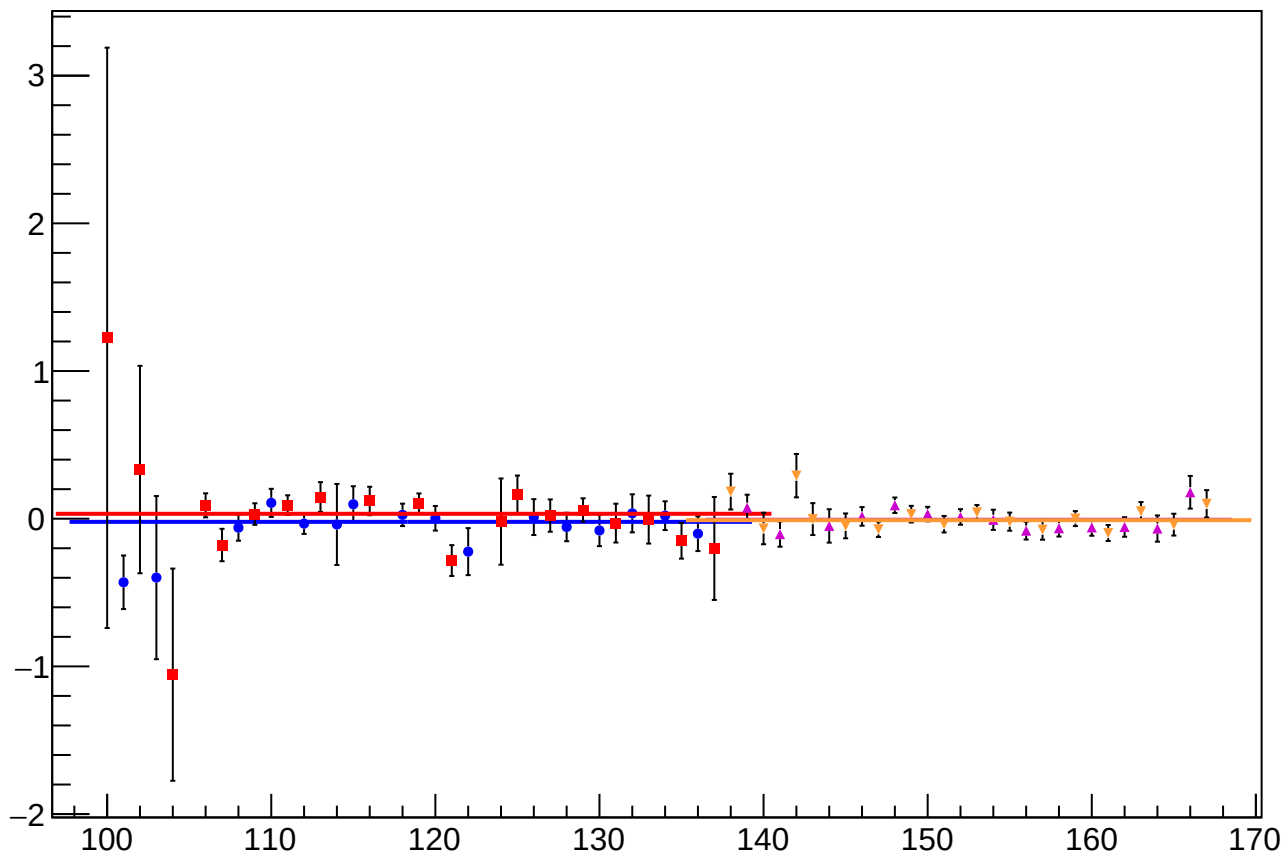
Left In: 54.718+/-0.012 χ^2/NDF : 1064155.3/13

+ sign 55.926+/-0.010 χ^2/NDF : 3615063.3/31

All: 55.520+/-0.007 χ^2/NDF : 7276778.0/64

- sign 55.109+/-0.010 χ^2/NDF : 3658394.6/32

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: -0.010 ± 0.017 χ^2/NDF : 16.6/15

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

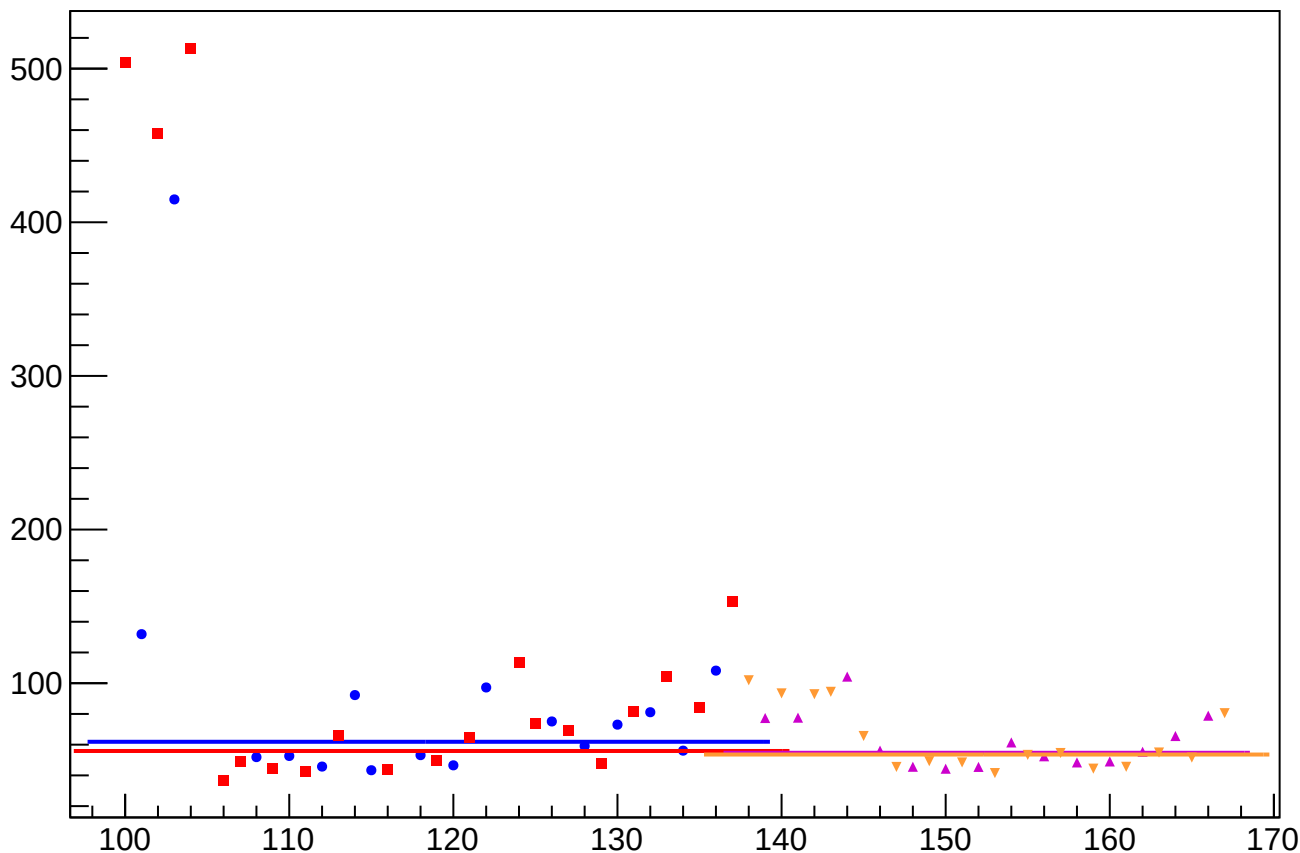
Left In: -0.007 ± 0.017 χ^2/NDF : 13.9/13

+ sign -0.013 ± 0.014 χ^2/NDF : 28.7/31

All: -0.003 ± 0.010 χ^2/NDF : 69.8/64

- sign 0.006 ± 0.014 χ^2/NDF : 40.1/32

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF : 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF : 1537169.8/15

Right Out: 55.886+/-0.017 χ^2/NDF : 2591233.7/18

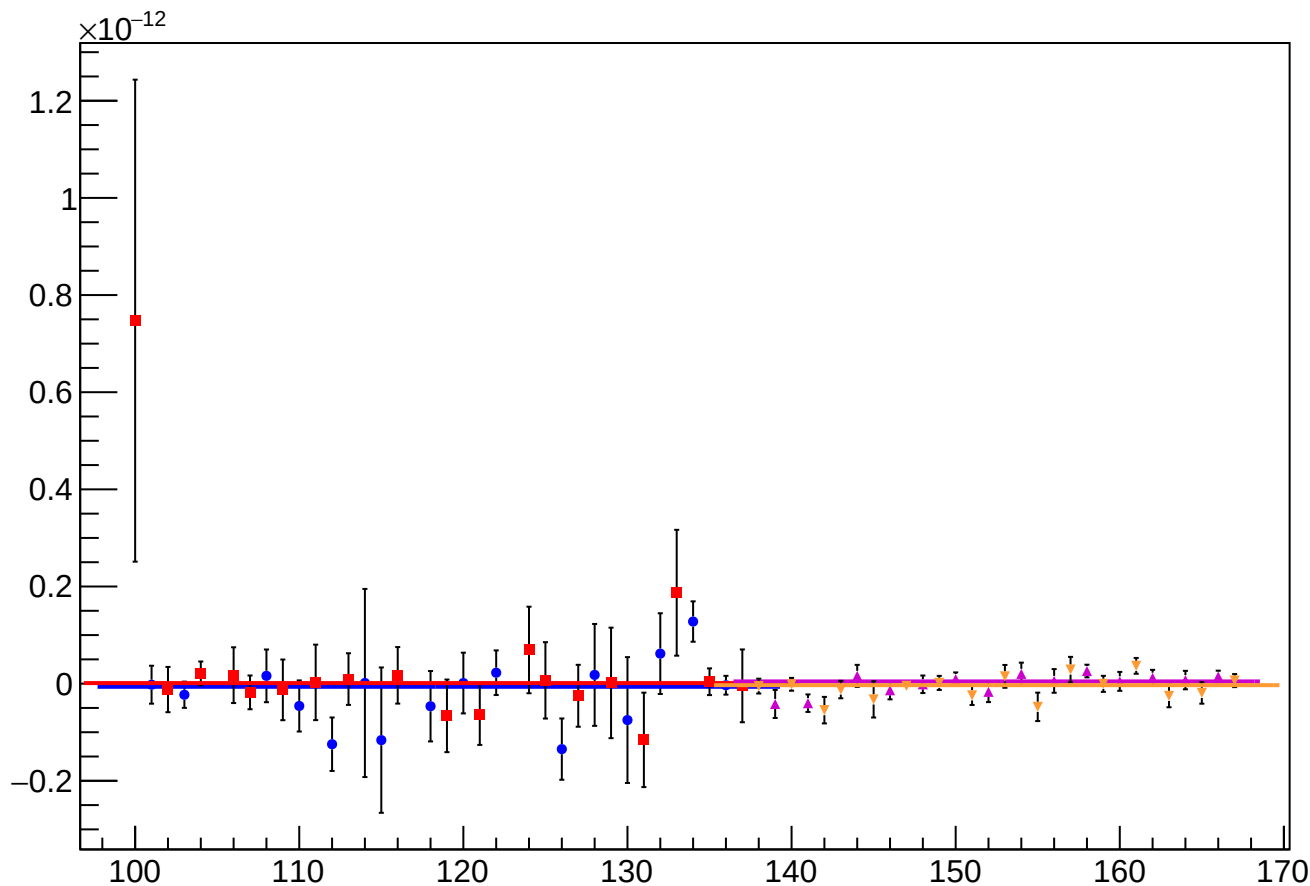
Left In: 54.718+/-0.012 χ^2/NDF : 1064155.3/13

+ sign 55.926+/-0.010 χ^2/NDF : 3615063.3/31

All: 55.520+/-0.007 χ^2/NDF : 7276778.0/64

- sign 55.109+/-0.010 χ^2/NDF : 3658394.6/32

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 : 18.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 9.7/18

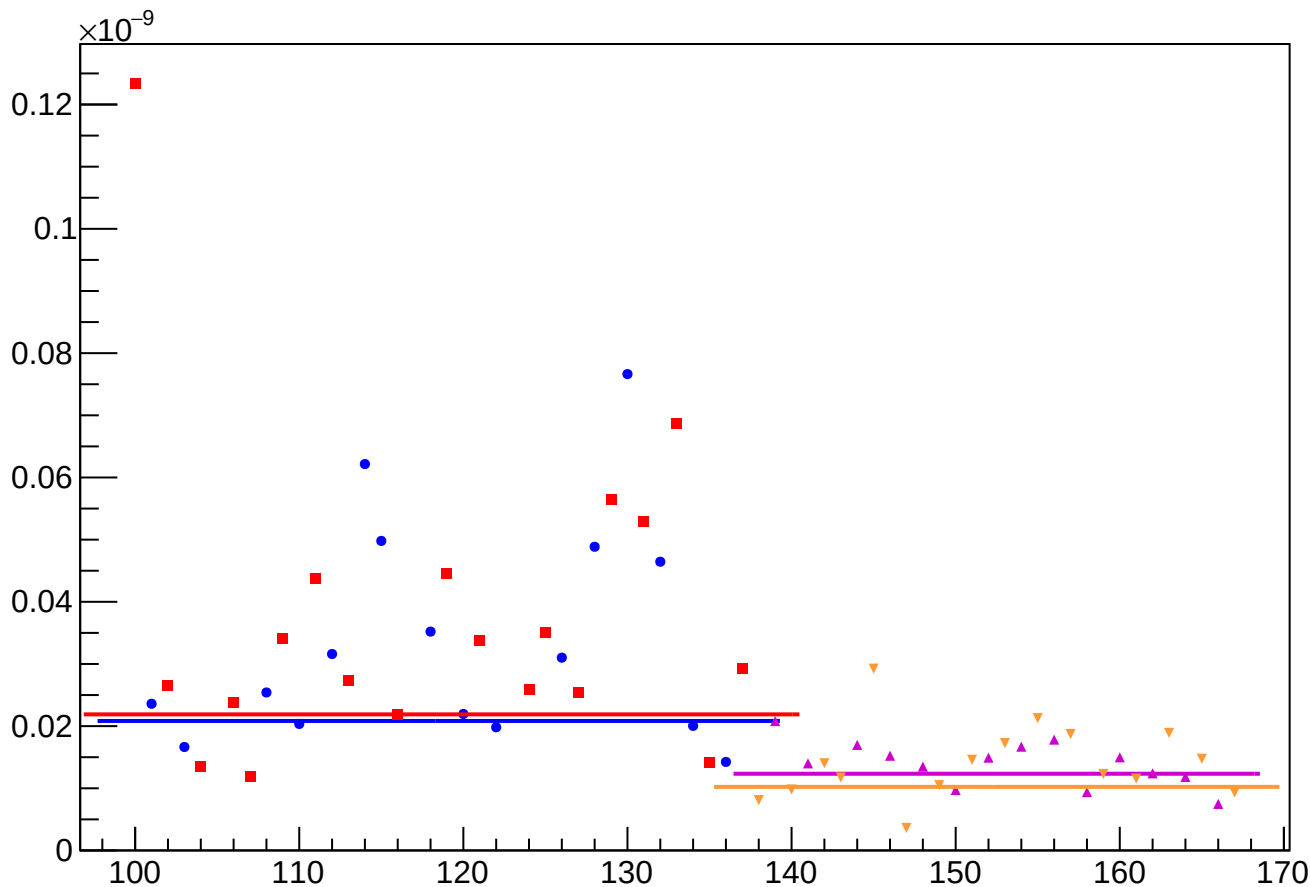
Left In: 0.000 ± 0.000 χ^2/NDF : 15.3/13

+ sign -0.000 ± 0.000 χ^2/NDF : 40.7/31

All: -0.000 ± 0.000 χ^2/NDF : 67.5/64

- sign 0.000 ± 0.000 χ^2/NDF : 25.1/32

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 : 3057283.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1906656.1/18

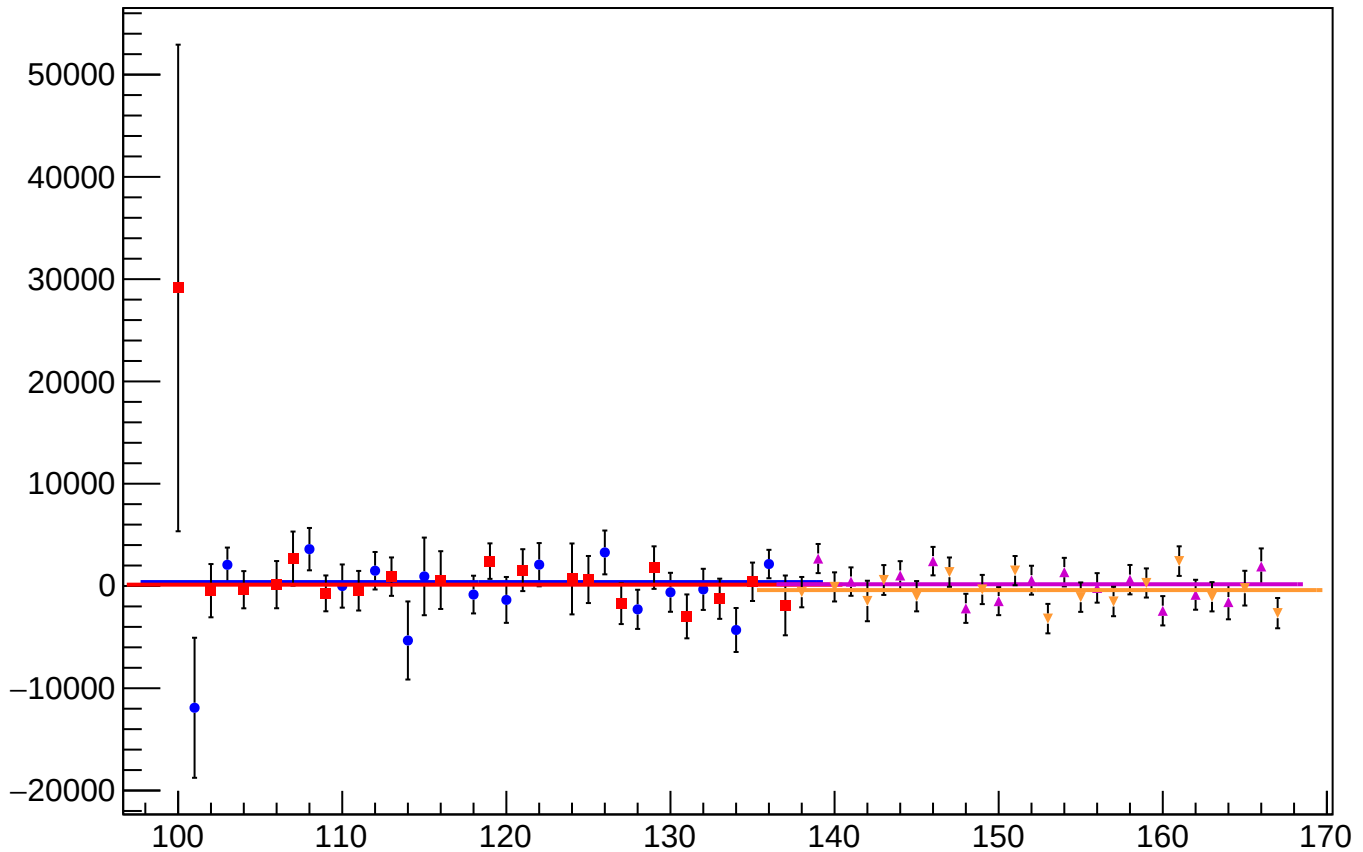
Left In: 0.000+/-0.000 χ^2/NDF : 1072034.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 5997395.6/31

All: 0.000+/-0.000 χ^2/NDF : 10357502.2/64

- sign 0.000+/-0.000 χ^2/NDF : 4093111.9/32

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF : 21.5/15

Left Out: -402.658+/-369.953 χ^2/NDF : 15.4/15

Right Out: 127.929+/-500.988 χ^2/NDF : 10.0/18

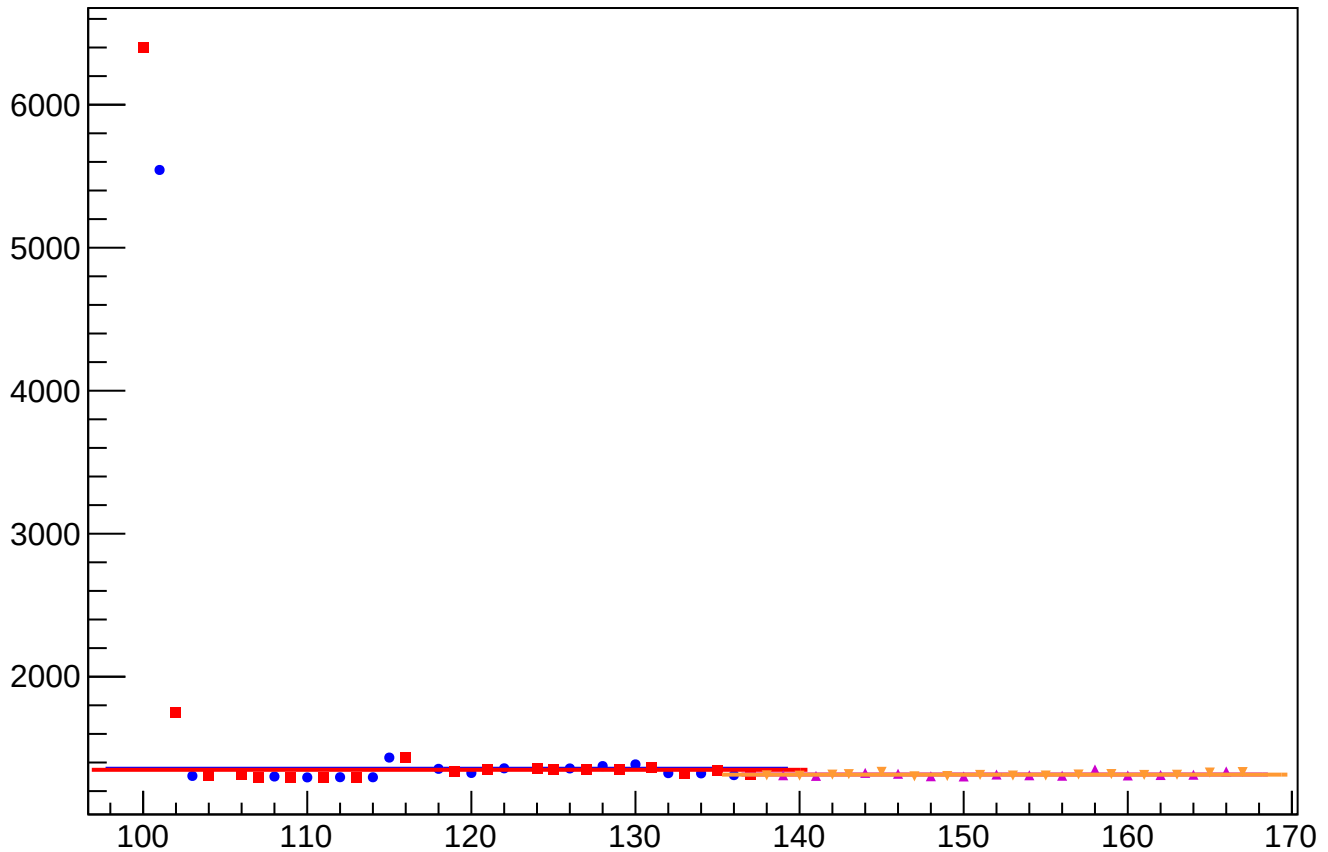
Left In: 169.389+/-387.327 χ^2/NDF : 17.1/13

+ sign -137.674+/-301.015 χ^2/NDF : 38.5/31

All: 5.505+/-214.737 χ^2/NDF : 66.0/64

- sign 153.879+/-306.427 χ^2/NDF : 27.1/32

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF : 760266.3/15

Left Out: 1315.255+/-0.262 χ^2/NDF :1205.9/15

Right Out: 1348.975+/-0.354 χ^2/NDF : 147265.6/18

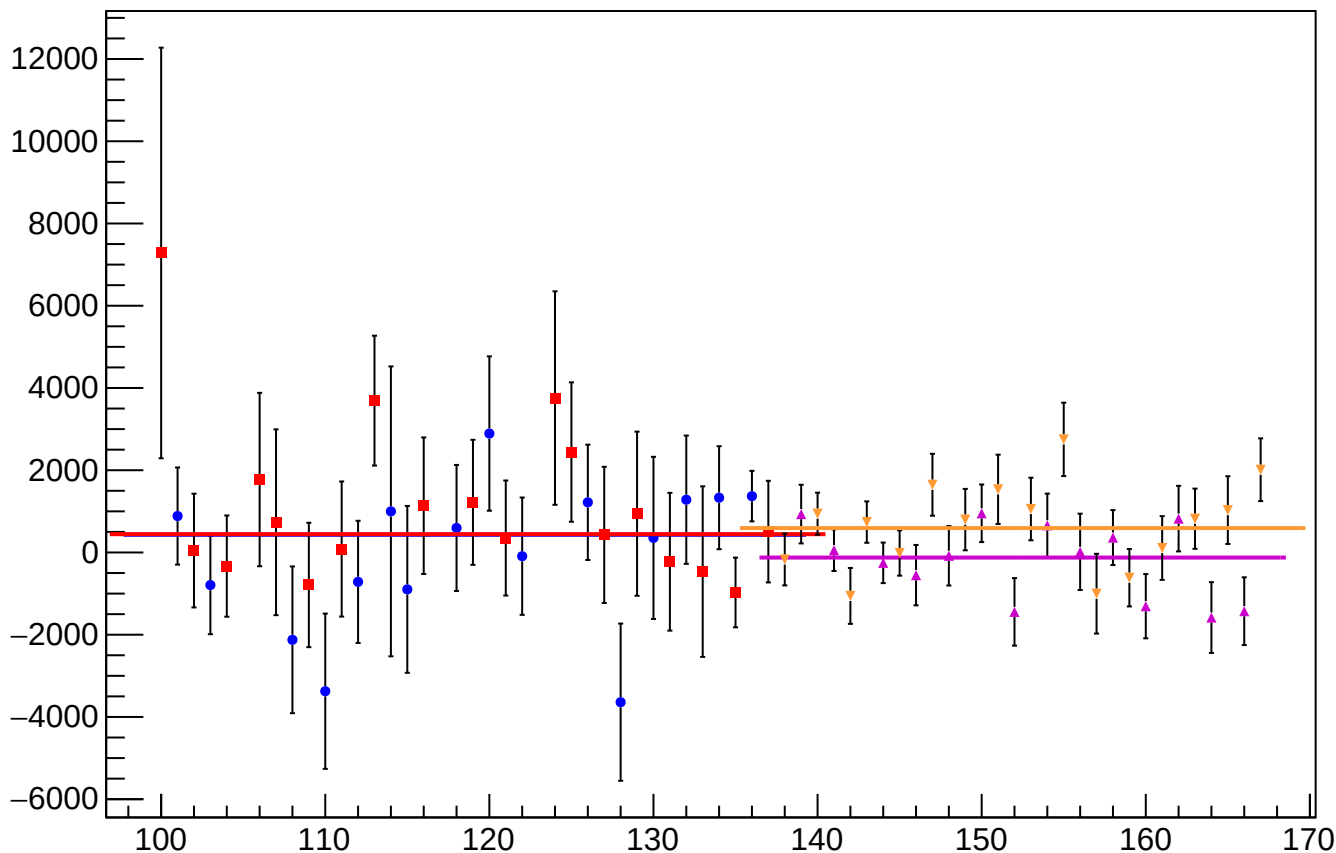
Left In: 1316.172+/-0.274 χ^2/NDF :2261.8/13

+ sign 1329.160+/-0.213 χ^2/NDF : 769831.6/31

All: 1328.808+/-0.152 χ^2/NDF : 924730.9/64

- sign 1328.444+/-0.217 χ^2/NDF : 154893.8/32

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363 $\pm$ 338.459 χ^2/NDF : 18.2/15

Left Out: 593.498 $\pm$ 172.591 χ^2/NDF : 28.6/15

Right Out: 444.555 $\pm$ 355.594 χ^2/NDF : 14.4/18

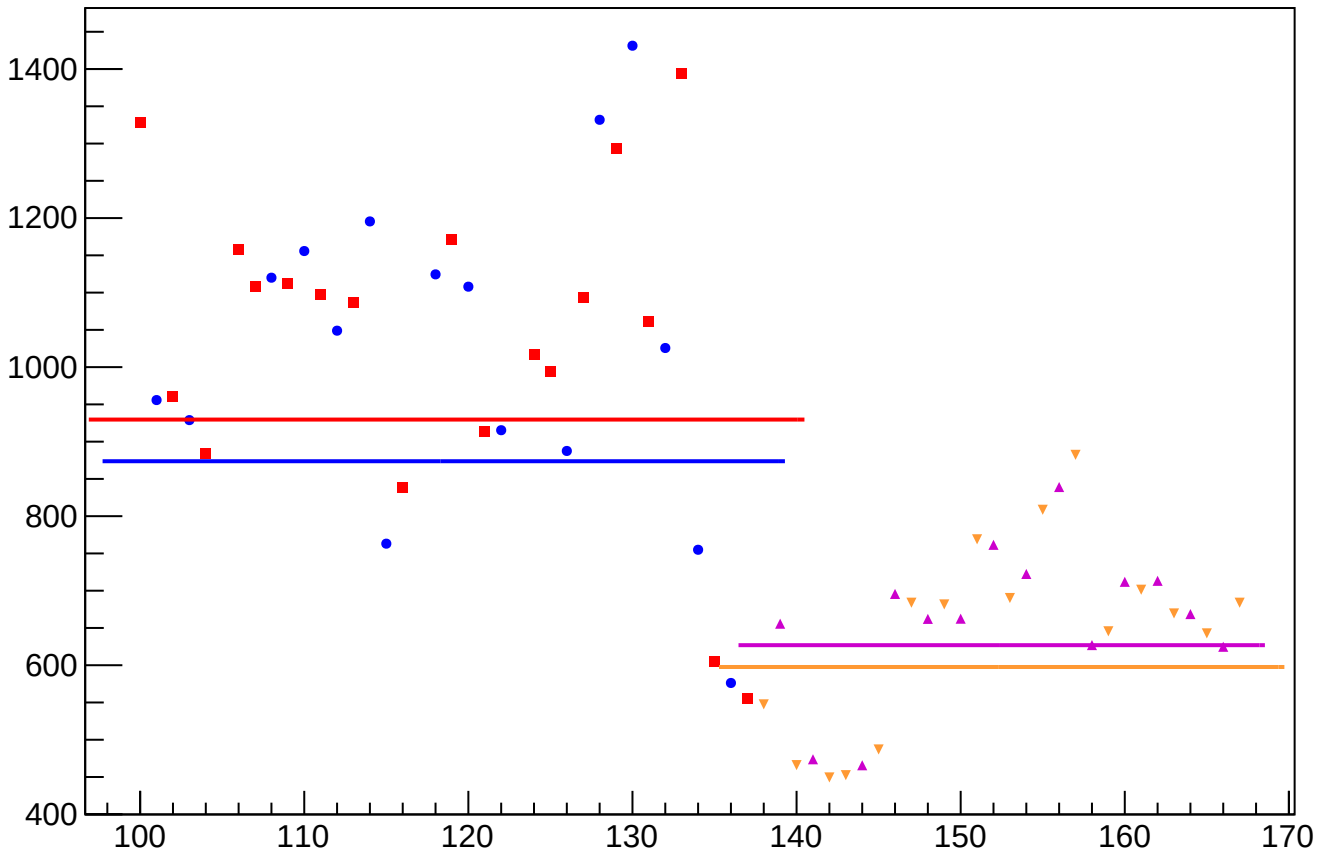
Left In: -123.856 $\pm$ 187.678 χ^2/NDF : 18.4/13

+ sign 559.832 $\pm$ 153.754 χ^2/NDF : 47.0/31

All: 301.282 $\pm$ 112.795 χ^2/NDF : 87.8/64

- sign -0.017 $\pm$ 165.979 χ^2/NDF : 34.7/32

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733 $\pm$ 0.239 χ^2 /NDF: 1014860.8/15

Left Out: 597.623 $\pm$ 0.122 χ^2 /NDF: 1032419.6/15

Right Out: 929.637 $\pm$ 0.251 χ^2 /NDF: 859936.0/18

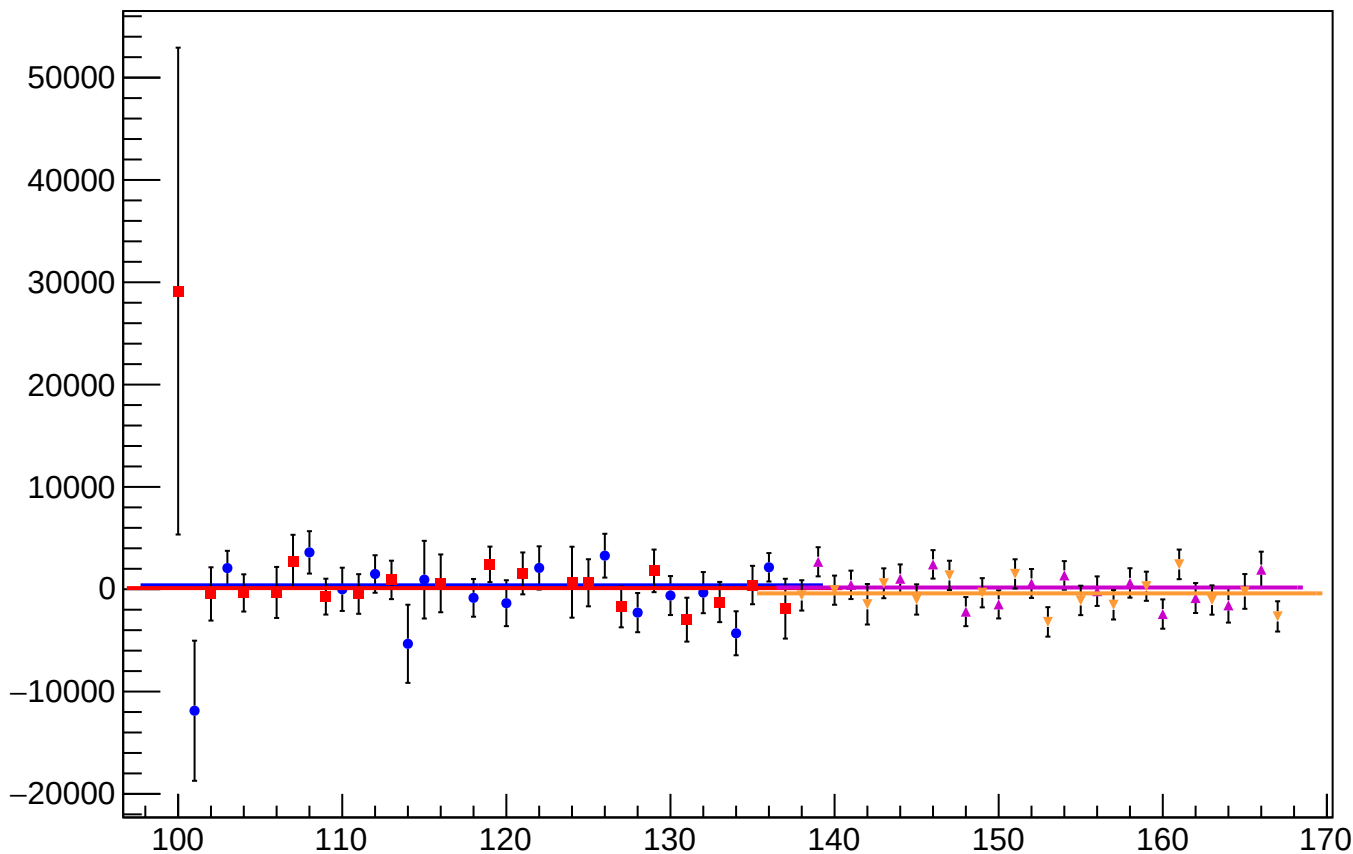
Left In: 626.897 $\pm$ 0.133 χ^2 /NDF: 668376.8/13

+ sign 654.603 $\pm$ 0.109 χ^2 /NDF: 3103611.2/31

All: 672.268 $\pm$ 0.080 χ^2 /NDF: 5822898.9/64

- sign 692.854 $\pm$ 0.117 χ^2 /NDF: 2662120.5/32

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF : 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF : 15.4/15

Right Out: 110.280+/-502.698 χ^2/NDF : 10.0/18

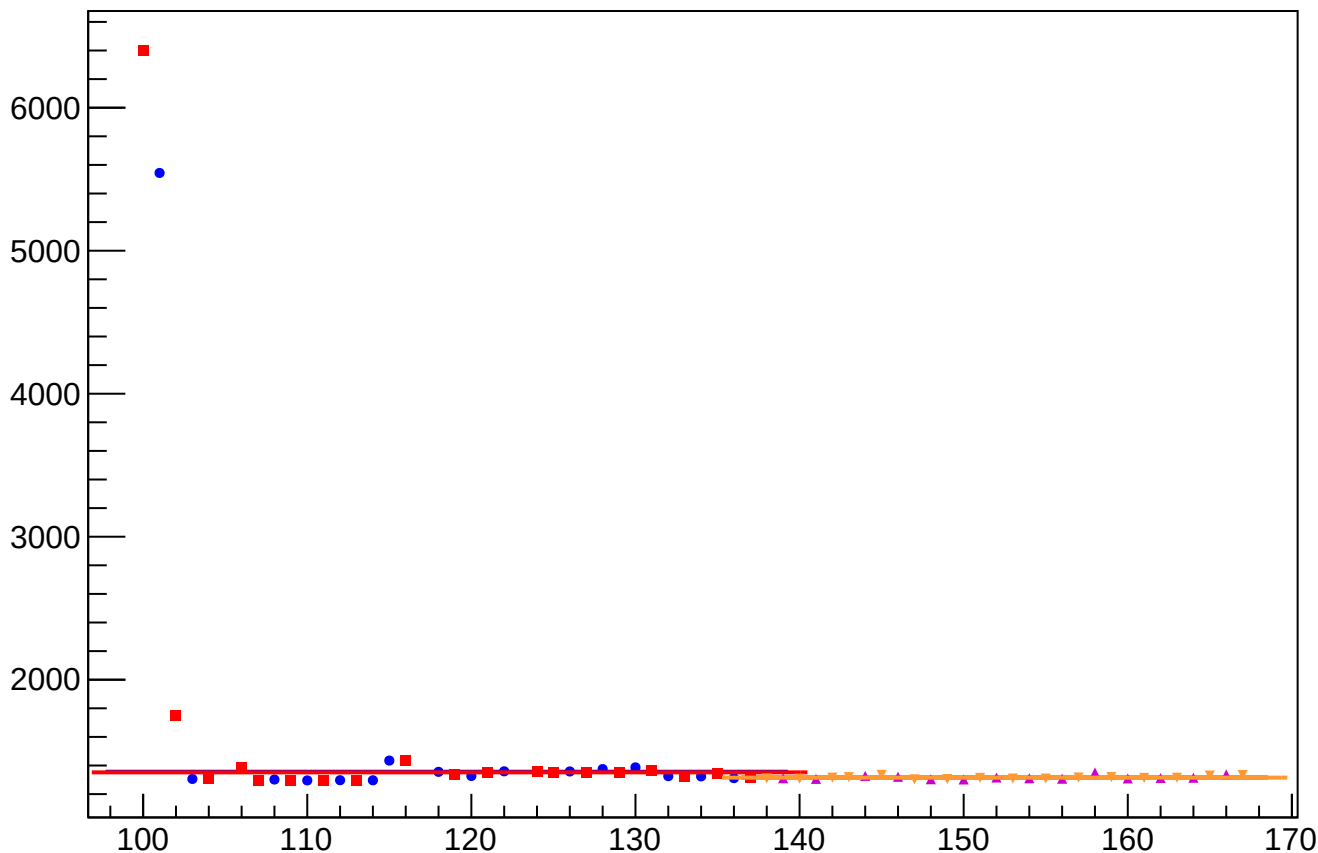
Left In: 169.416+/-387.327 χ^2/NDF : 17.1/13

+ sign -137.606+/-301.015 χ^2/NDF : 38.5/31

All: 2.170+/-214.872 χ^2/NDF : 66.0/64

- sign 147.387+/-306.817 χ^2/NDF : 27.1/32

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1315.255 $\pm$ 0.262 χ^2 /NDF: 1205.9/15

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

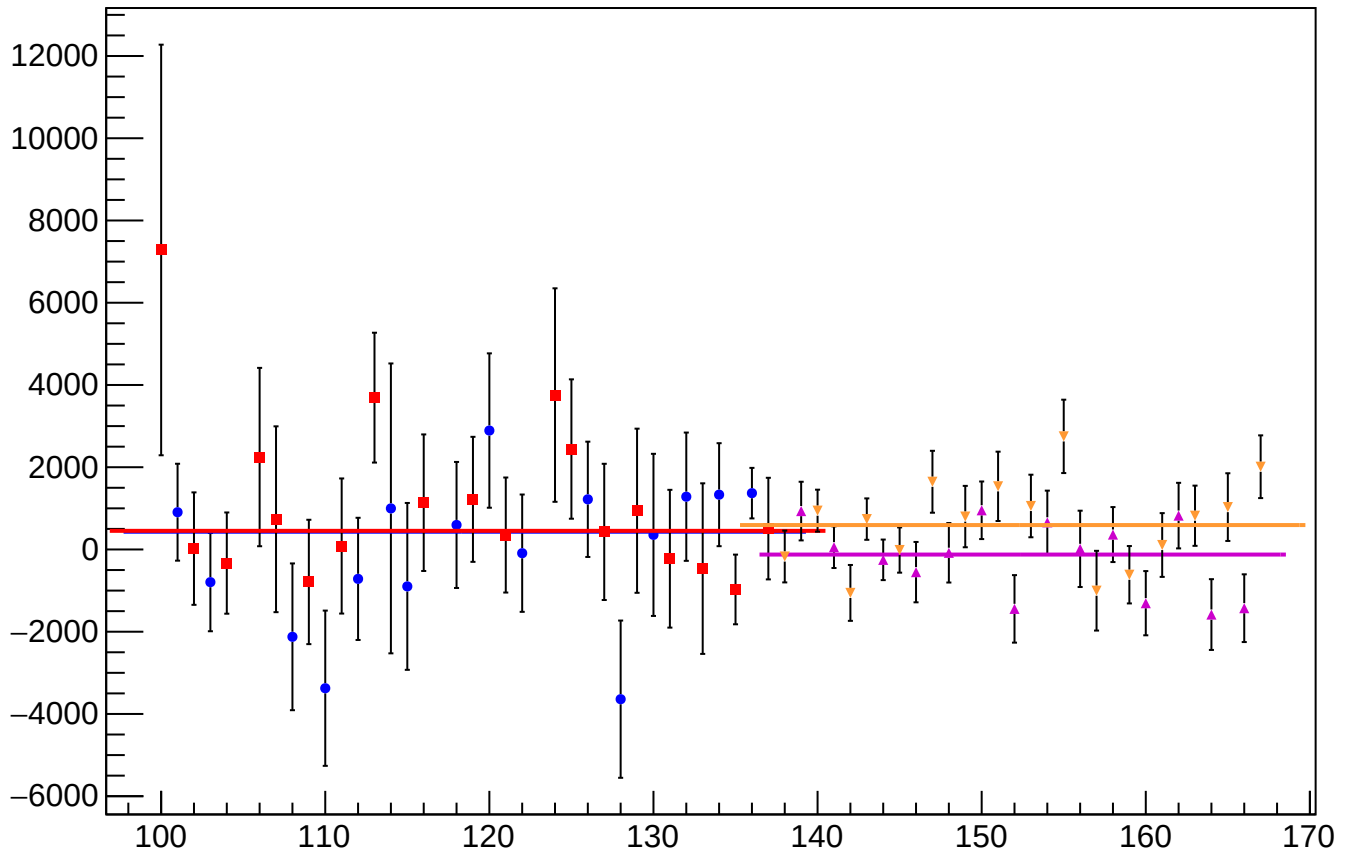
Left In: 1316.172 $\pm$ 0.274 χ^2 /NDF: 2261.8/13

+ sign 1329.160 $\pm$ 0.213 χ^2 /NDF: 769830.6/31

All: 1329.351 $\pm$ 0.152 χ^2 /NDF: 925824.9/64

- sign 1329.550 $\pm$ 0.217 χ^2 /NDF: 155992.7/32

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135 $\pm$ 338.403 χ^2/NDF : 18.2/15

Left Out: 593.445 $\pm$ 172.591 χ^2/NDF :28.6/15

Right Out: 453.039 $\pm$ 355.599 χ^2/NDF : 14.7/18

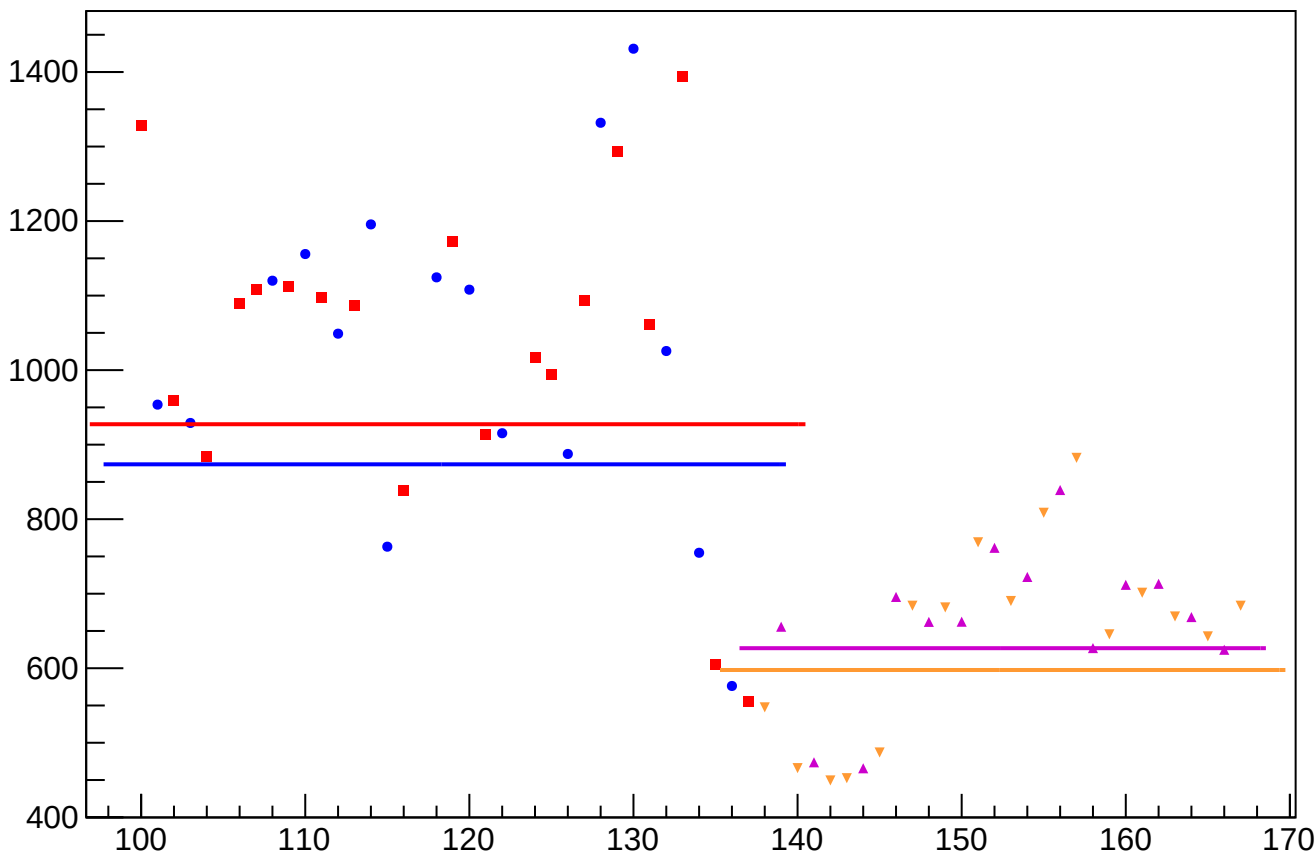
Left In: -123.866 $\pm$ 187.676 χ^2/NDF :18.4/13

+ sign 560.147 $\pm$ 153.749 χ^2/NDF : 47.0/31

All: 302.308 $\pm$ 112.793 χ^2/NDF : 88.2/64

- sign 1.819 $\pm$ 165.978 χ^2/NDF : 35.1/32

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606 ± 0.239 χ^2/NDF : 1014405.7/15

Left Out: 597.624 ± 0.122 χ^2/NDF : 1032359.2/15

Right Out: 927.407 ± 0.251 χ^2/NDF : 847382.0/18

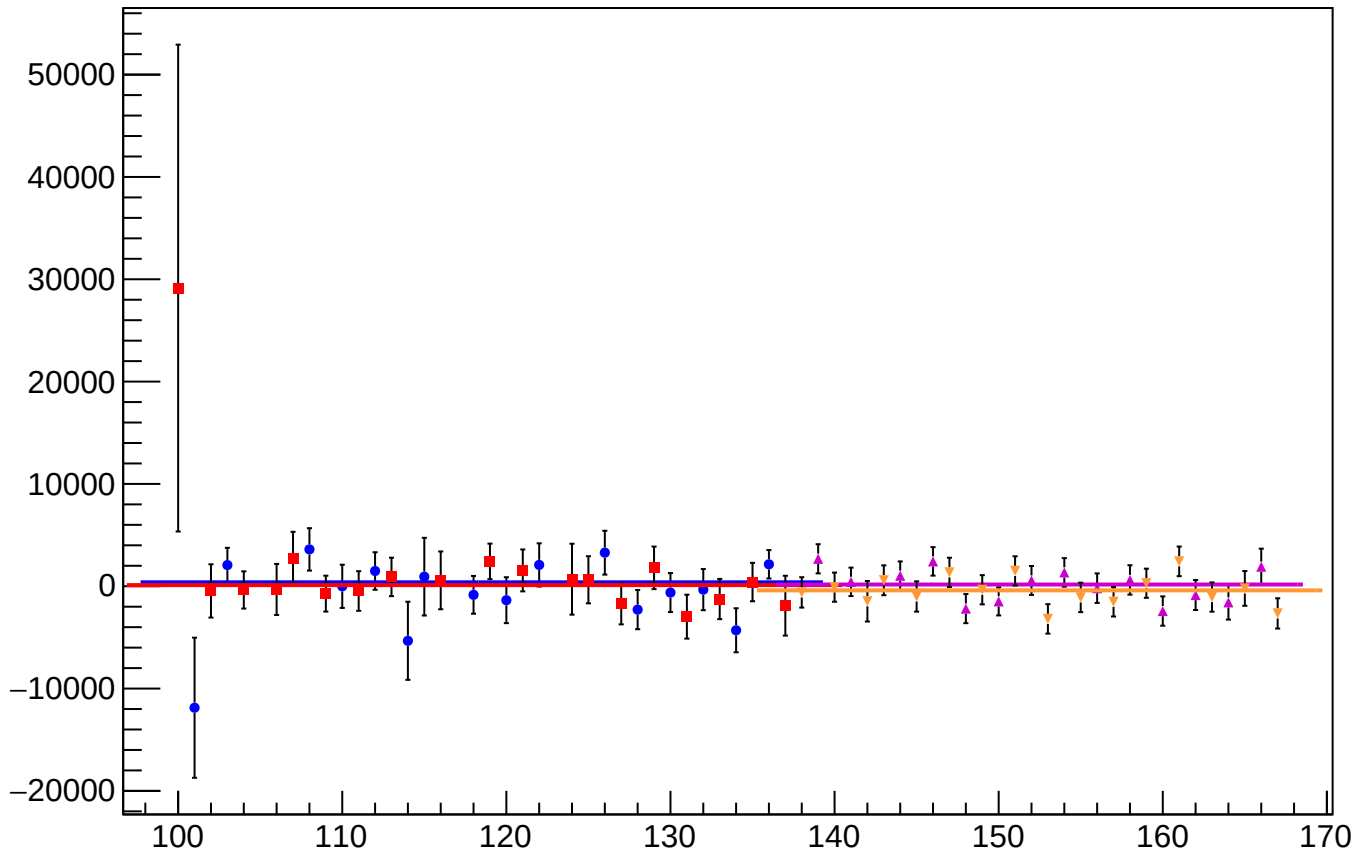
Left In: 626.891 ± 0.133 χ^2/NDF : 668440.8/13

+ sign 654.593 ± 0.109 χ^2/NDF : 3102398.3/31

All: 672.035 ± 0.080 χ^2/NDF : 5791149.3/64

- sign 692.362 ± 0.117 χ^2/NDF : 2633015.5/32

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -402.712 $\pm$ 369.953 χ^2 /NDF:15.4/15

Right Out: 110.280 $\pm$ 502.698 χ^2 /NDF: 10.0/18

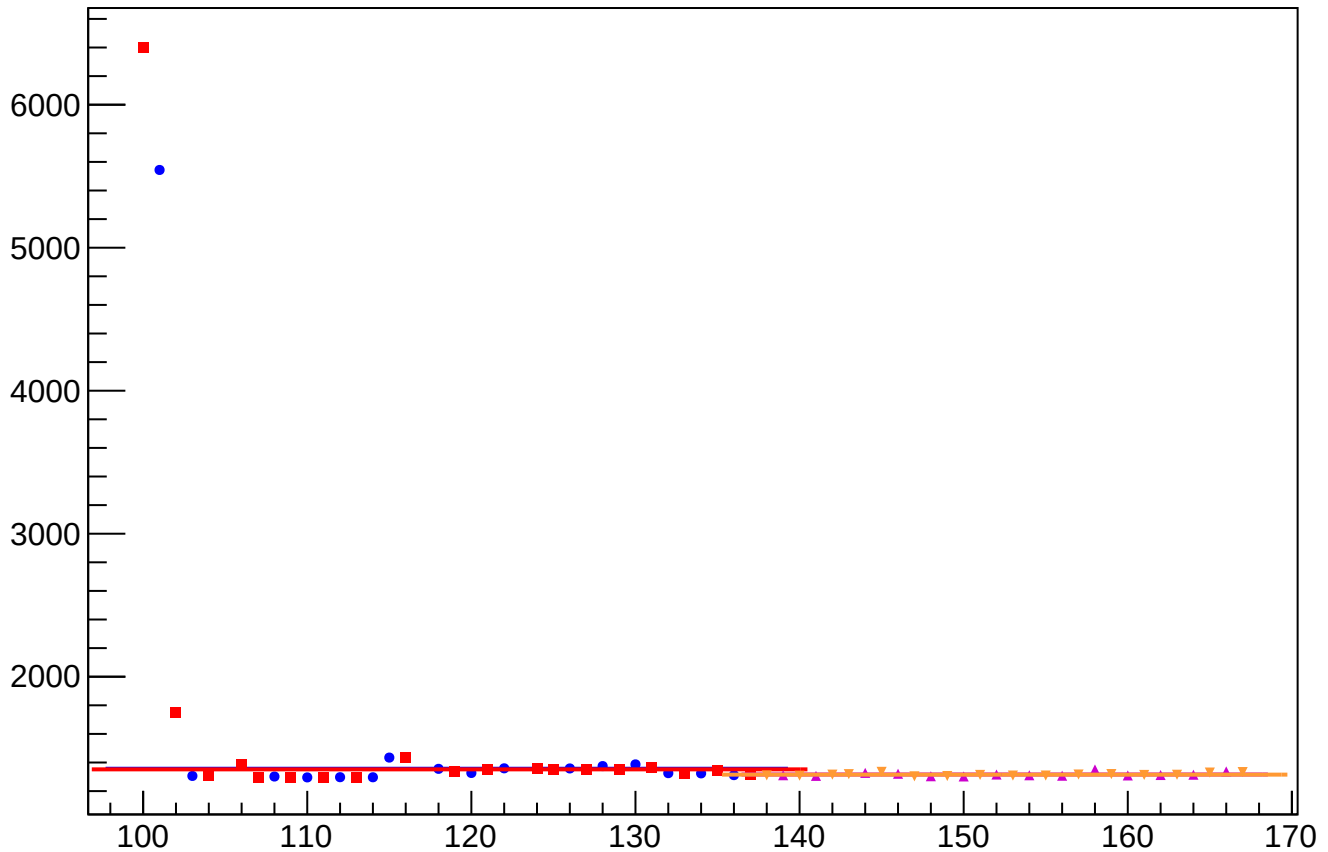
Left In: 169.416 $\pm$ 387.327 χ^2 /NDF:17.1/13

+ sign -137.606 $\pm$ 301.015 χ^2 /NDF: 38.5/31

All: 2.170 $\pm$ 214.872 χ^2 /NDF: 66.0/64

- sign 147.387 $\pm$ 306.817 χ^2 /NDF: 27.1/32

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1315.255 $\pm$ 0.262 χ^2 /NDF: 1205.9/15

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

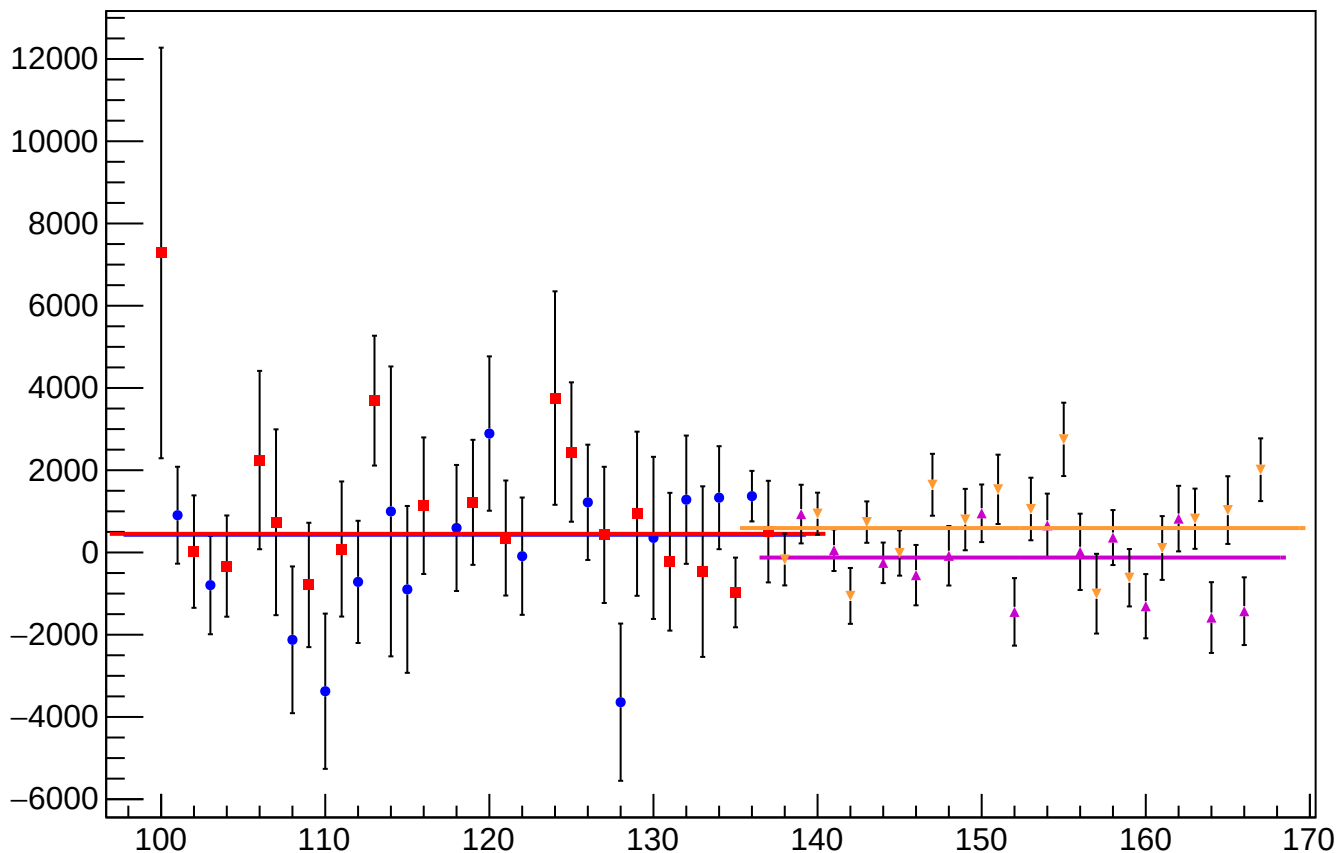
Left In: 1316.172 $\pm$ 0.274 χ^2 /NDF: 2261.8/13

+ sign 1329.160 $\pm$ 0.213 χ^2 /NDF: 769830.6/31

All: 1329.351 $\pm$ 0.152 χ^2 /NDF: 925824.9/64

- sign 1329.550 $\pm$ 0.217 χ^2 /NDF: 155992.7/32

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135 $\pm$ 338.403 χ^2 /NDF: 18.2/15

Left Out: 593.445 $\pm$ 172.591 χ^2 /NDF:28.6/15

Right Out: 453.039 $\pm$ 355.599 χ^2 /NDF: 14.7/18

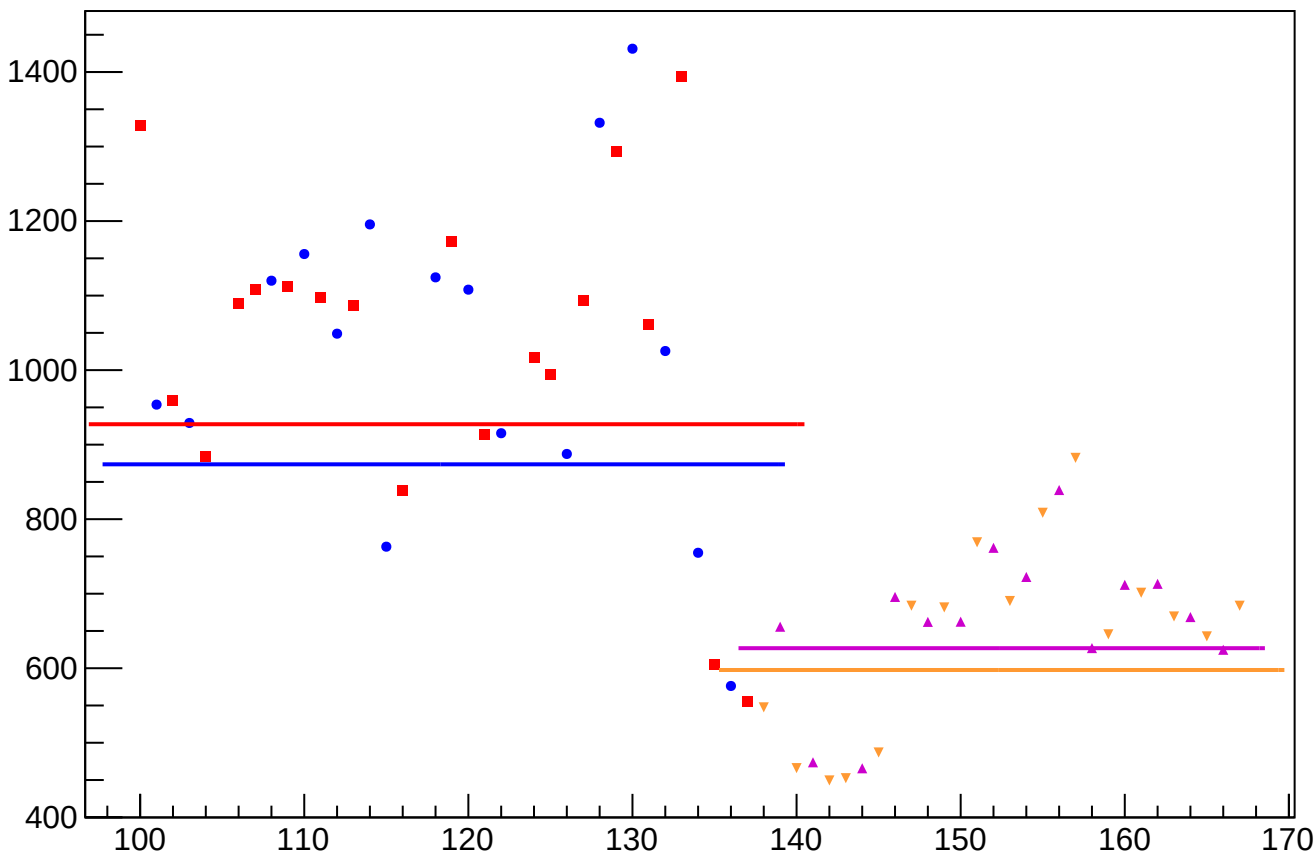
Left In: -123.866 $\pm$ 187.676 χ^2 /NDF:18.4/13

+ sign 560.147 $\pm$ 153.749 χ^2 /NDF: 47.0/31

All: 302.308 $\pm$ 112.793 χ^2 /NDF: 88.2/64

- sign 1.819 $\pm$ 165.978 χ^2 /NDF: 35.1/32

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 873.606 ± 0.239 χ^2/NDF : 1014405.7/15

Left Out: 597.624 ± 0.122 χ^2/NDF : 1032359.2/15

Right Out: 927.407 ± 0.251 χ^2/NDF : 847382.0/18

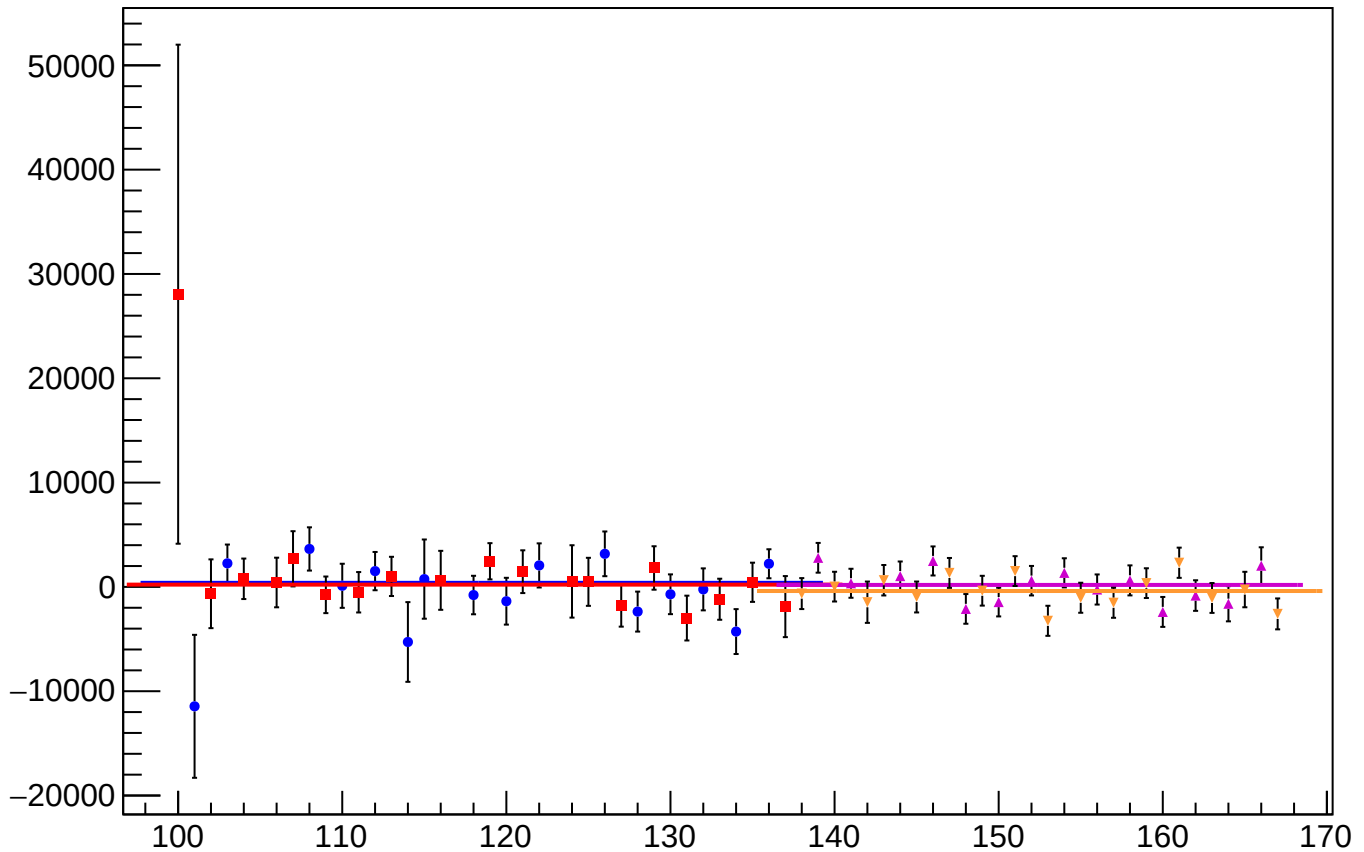
Left In: 626.891 ± 0.133 χ^2/NDF : 668440.8/13

+ sign 654.593 ± 0.109 χ^2/NDF : 3102398.3/31

All: 672.035 ± 0.080 χ^2/NDF : 5791149.3/64

- sign 692.362 ± 0.117 χ^2/NDF : 2633015.5/32

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949 $\pm$ 521.159 χ^2 /NDF: 21.4/15

Left Out: -394.458 $\pm$ 370.249 χ^2 /NDF:15.2/15

Right Out: 218.184 $\pm$ 507.927 χ^2 /NDF: 10.0/18

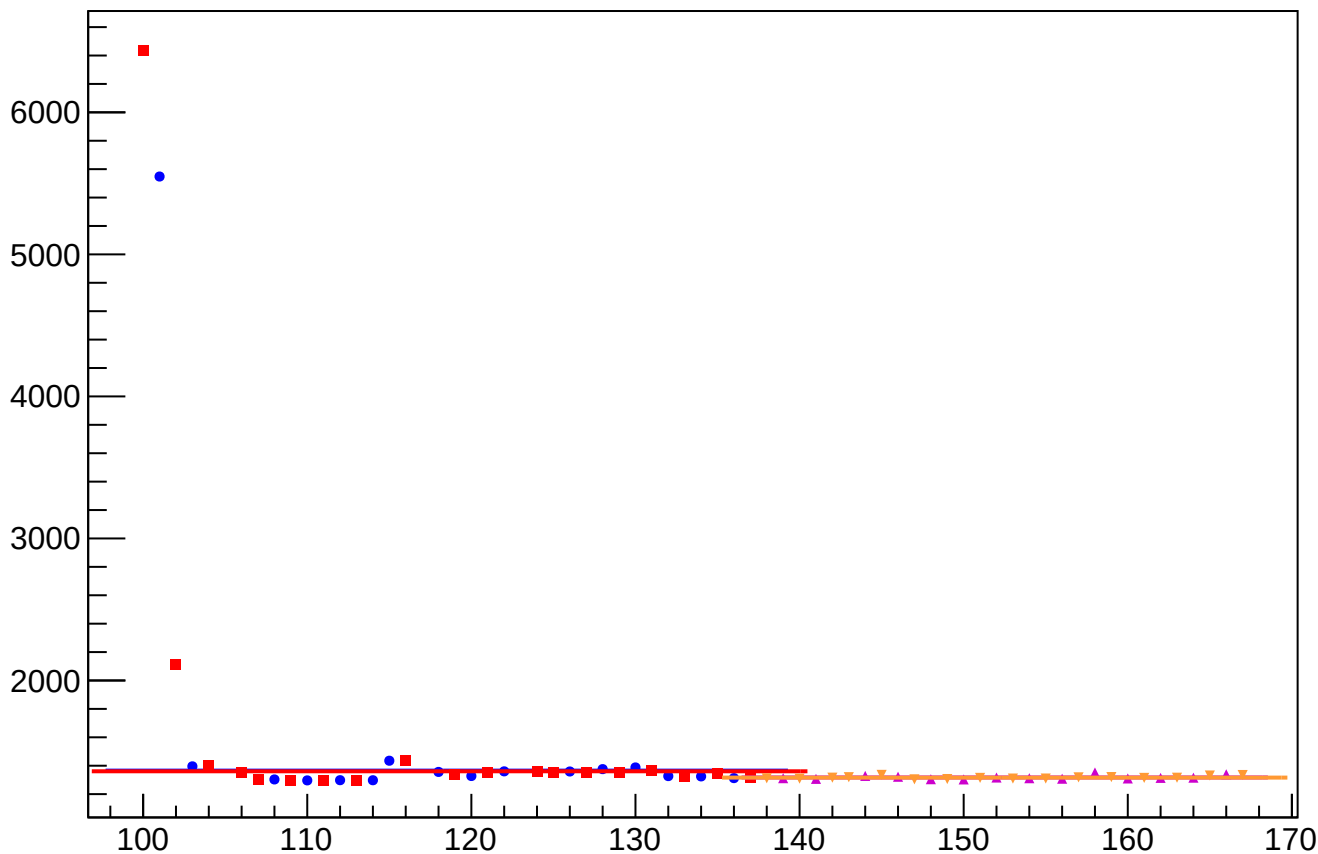
Left In: 189.249 $\pm$ 387.622 χ^2 /NDF:17.4/13

+ sign -131.350 $\pm$ 301.833 χ^2 /NDF: 38.1/31

All: 30.848 $\pm$ 215.624 χ^2 /NDF: 66.1/64

- sign 199.898 $\pm$ 308.143 χ^2 /NDF: 27.4/32

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302 $\pm$ 0.369 χ^2 /NDF: 758944.7/15

Left Out: 1316.308 $\pm$ 0.262 χ^2 /NDF:1221.8/15

Right Out: 1360.771 $\pm$ 0.359 χ^2 /NDF: 205315.3/18

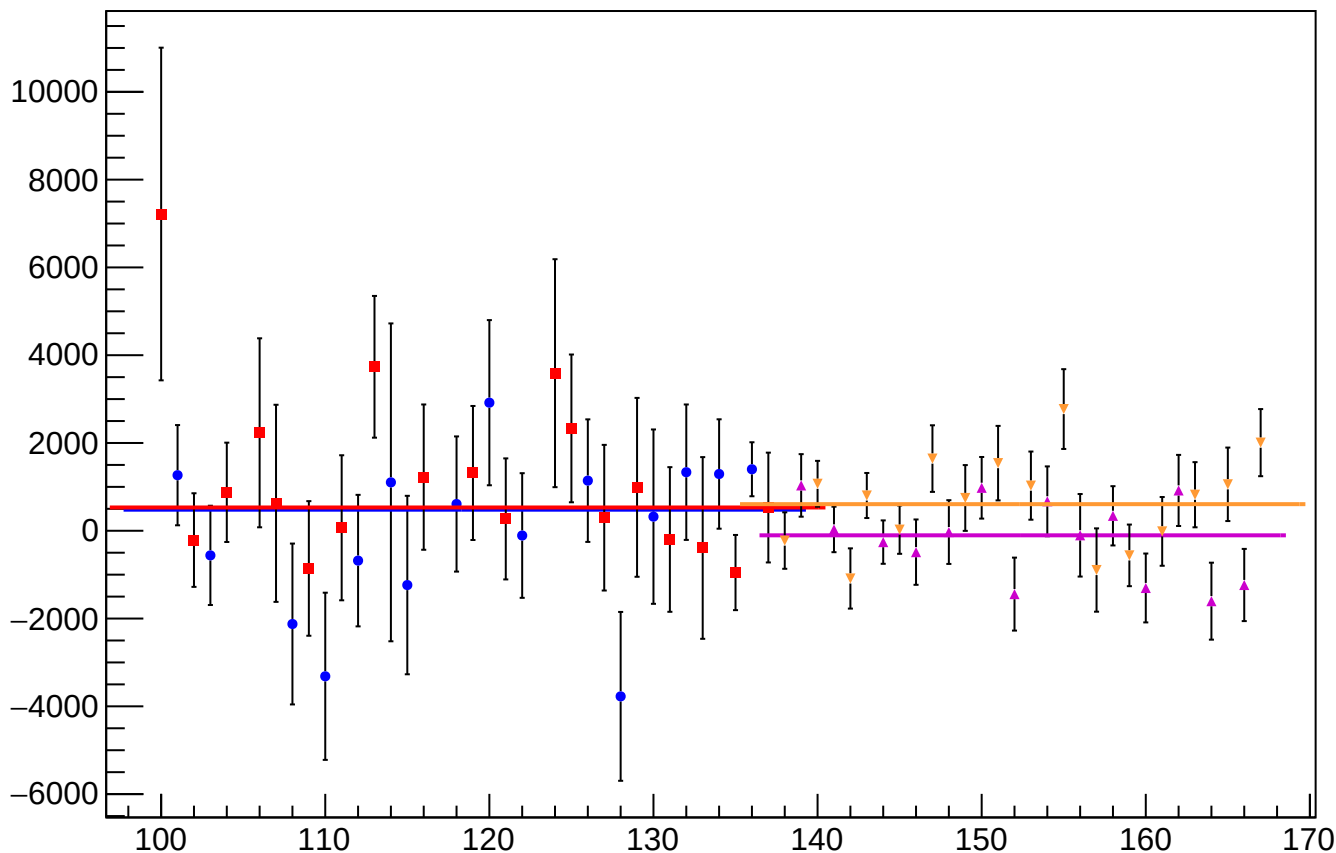
Left In: 1317.173 $\pm$ 0.274 χ^2 /NDF:2290.3/13

+ sign 1332.742 $\pm$ 0.213 χ^2 /NDF: 771913.4/31

All: 1332.975 $\pm$ 0.152 χ^2 /NDF: 988833.2/64

- sign 1333.219 $\pm$ 0.218 χ^2 /NDF: 216917.3/32

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403 $\pm$ 336.520 χ^2 /NDF: 18.6/15

Left Out: 606.211 $\pm$ 174.605 χ^2 /NDF:28.5/15

Right Out: 530.532 $\pm$ 346.105 χ^2 /NDF: 15.6/18

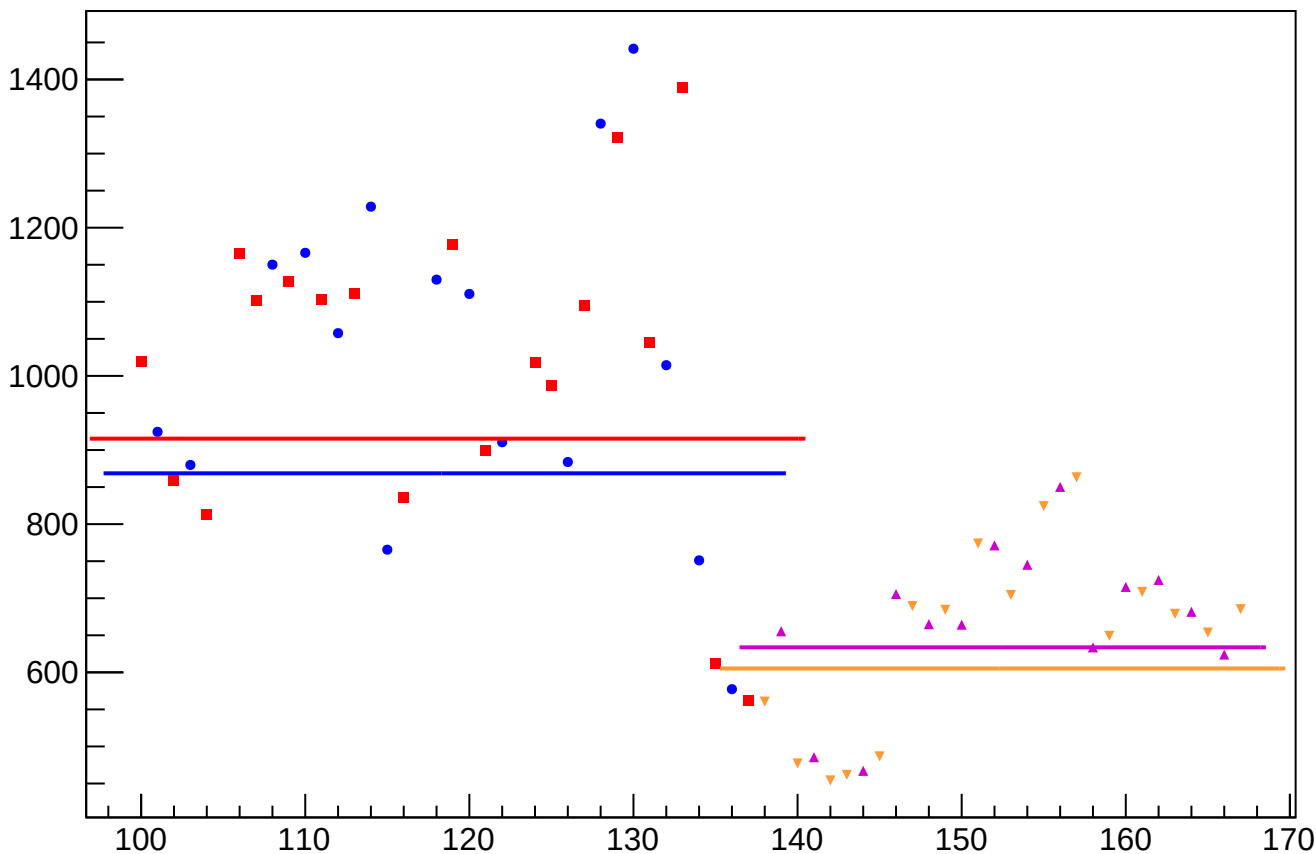
Left In: -103.768 $\pm$ 189.692 χ^2 /NDF:18.1/13

+ sign 579.526 $\pm$ 154.985 χ^2 /NDF: 47.2/31

All: 330.095 $\pm$ 113.395 χ^2 /NDF: 89.1/64

- sign 42.755 $\pm$ 166.346 χ^2 /NDF: 36.3/32

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572 $\pm$ 0.238 χ^2/NDF : 1021338.5/15

Left Out: 605.219 $\pm$ 0.123 χ^2/NDF : 989703.5/15

Right Out: 915.360 $\pm$ 0.245 χ^2/NDF : 858906.6/18

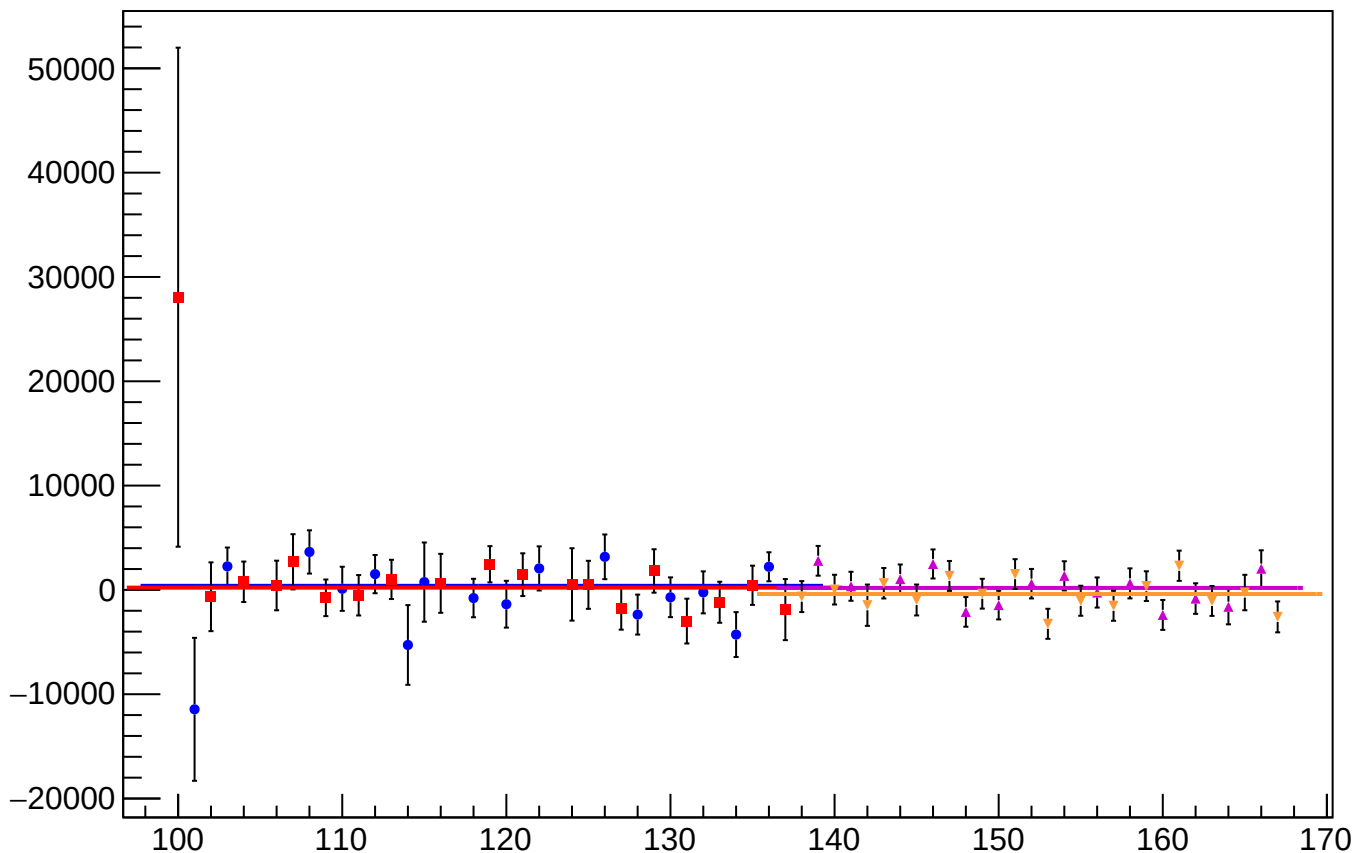
Left In: 633.761 $\pm$ 0.134 χ^2/NDF : 671856.0/13

+ sign 661.078 $\pm$ 0.110 χ^2/NDF : 2976090.9/31

All: 678.612 $\pm$ 0.080 χ^2/NDF : 5580068.8/64

- sign 698.810 $\pm$ 0.118 χ^2/NDF : 2548894.8/32

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF : 21.4/15

Left Out: -394.460+/-370.249 χ^2/NDF : 15.2/15

Right Out: 218.182+/-507.927 χ^2/NDF : 10.0/18

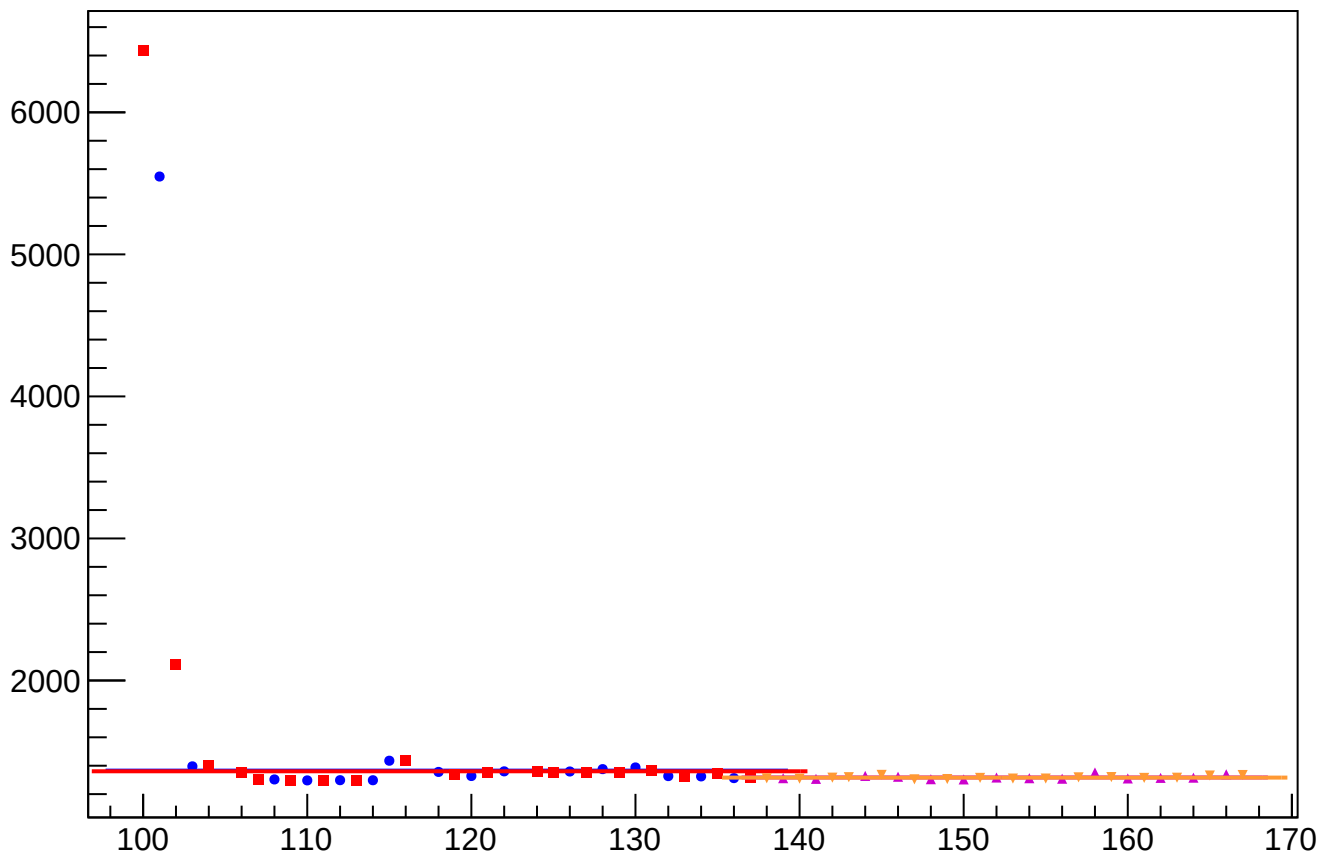
Left In: 189.248+/-387.622 χ^2/NDF : 17.4/13

+ sign -131.351+/-301.833 χ^2/NDF : 38.1/31

All: 30.847+/-215.624 χ^2/NDF : 66.1/64

- sign 199.897+/-308.143 χ^2/NDF : 27.4/32

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF : 758944.7/15

Left Out: 1316.308+/-0.262 χ^2/NDF :1221.8/15

Right Out: 1360.770+/-0.359 χ^2/NDF : 205315.2/18

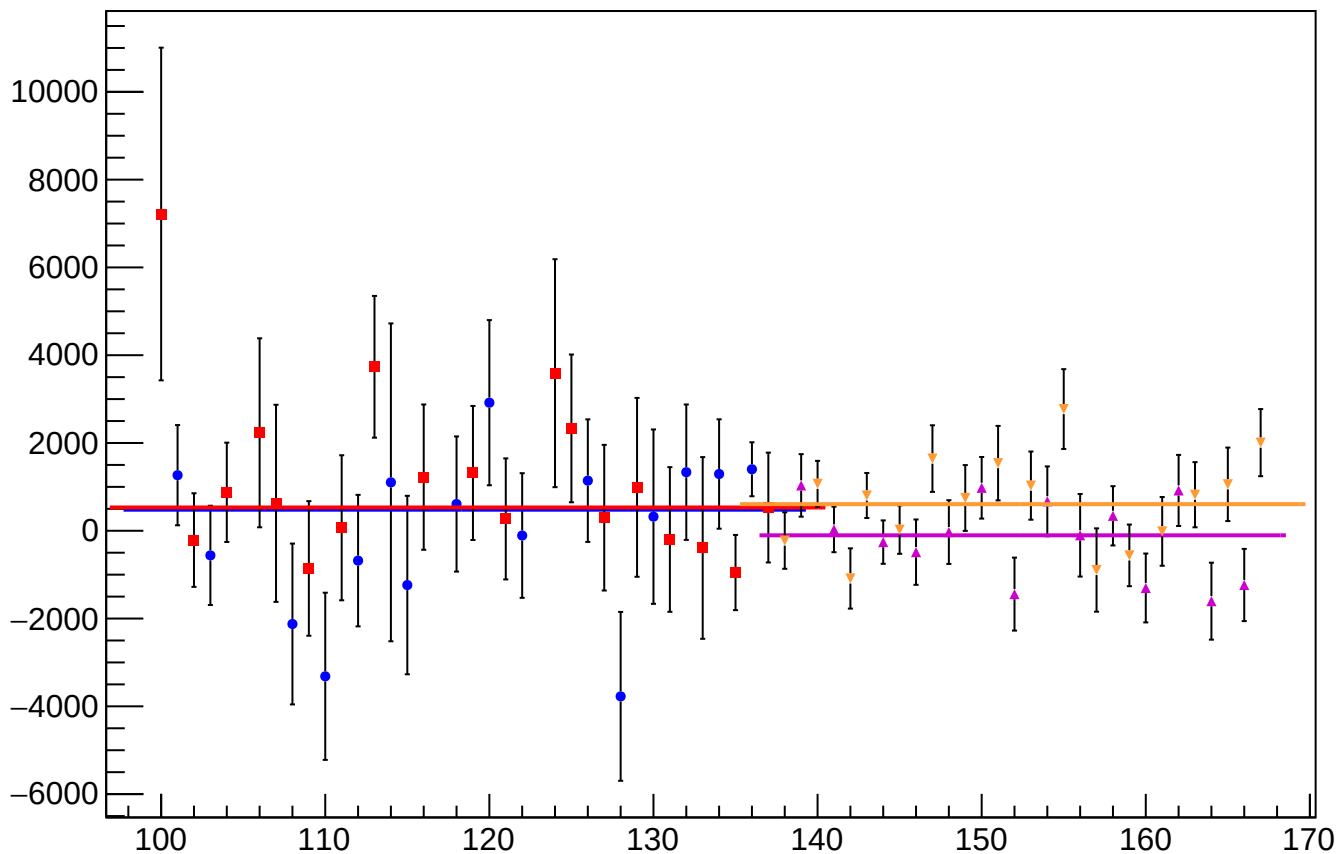
Left In: 1317.173+/-0.274 χ^2/NDF :2290.3/13

+ sign 1332.742+/-0.213 χ^2/NDF : 771913.4/31

All: 1332.975+/-0.152 χ^2/NDF : 988833.1/64

- sign 1333.219+/-0.218 χ^2/NDF : 216917.2/32

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400 $\pm$ 336.519 χ^2 /NDF: 18.6/15

Left Out: 606.211 $\pm$ 174.605 χ^2 /NDF: 28.5/15

Right Out: 530.531 $\pm$ 346.104 χ^2 /NDF: 15.6/18

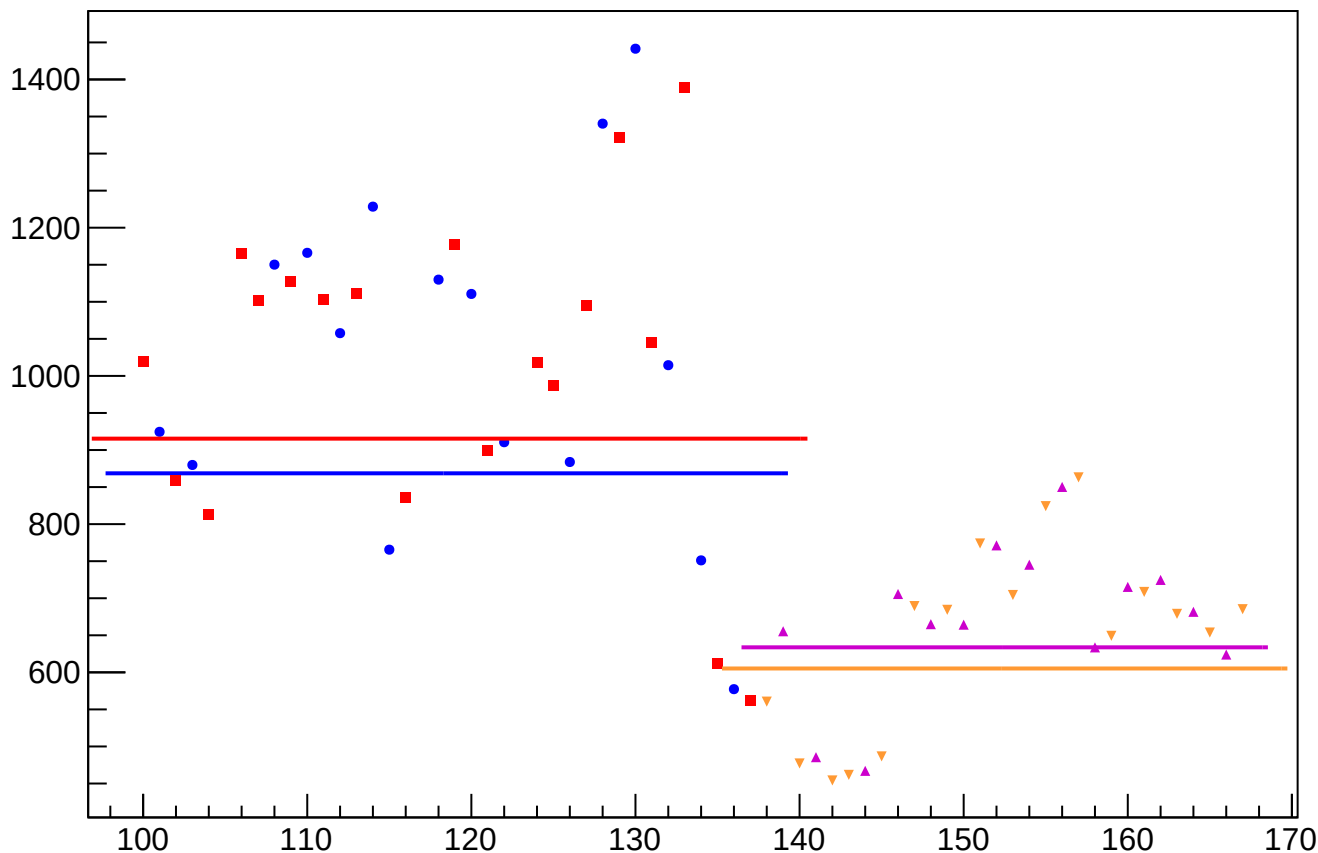
Left In: -103.768 $\pm$ 189.692 χ^2 /NDF: 18.1/13

+ sign 579.526 $\pm$ 154.985 χ^2 /NDF: 47.2/31

All: 330.095 $\pm$ 113.395 χ^2 /NDF: 89.1/64

- sign 42.755 $\pm$ 166.346 χ^2 /NDF: 36.3/32

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: 605.219 $\pm$ 0.123 χ^2 /NDF: 989718.1/15

Right Out: 915.358 $\pm$ 0.245 χ^2 /NDF: 858906.3/18

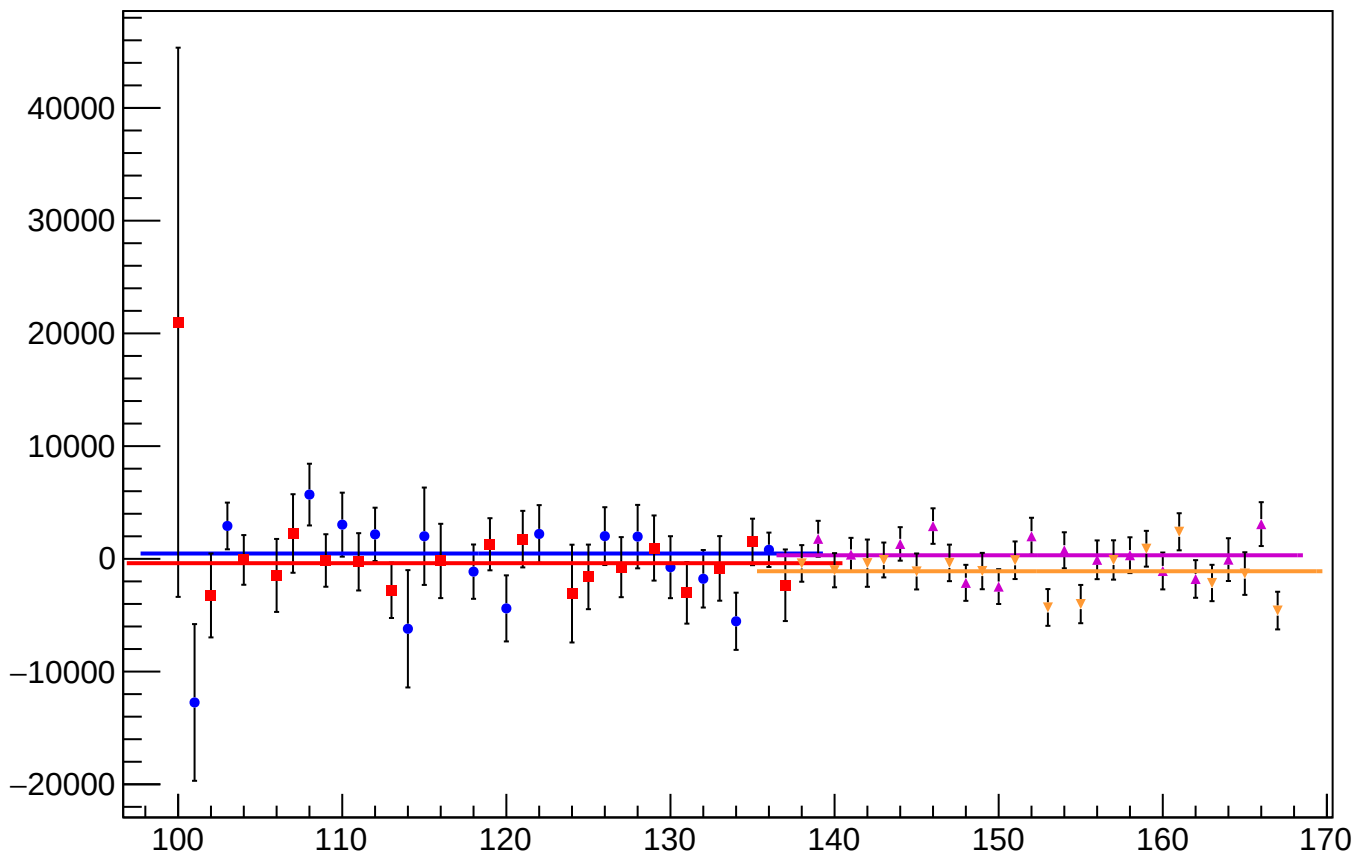
Left In: 633.762 $\pm$ 0.134 χ^2 /NDF: 671863.1/13

+ sign 661.078 $\pm$ 0.110 χ^2 /NDF: 2976089.4/31

All: 678.612 $\pm$ 0.080 χ^2 /NDF: 5580058.7/64

- sign 698.811 $\pm$ 0.118 χ^2 /NDF: 2548883.8/32

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494 ± 649.243 χ^2/NDF : 22.7/15

Left Out: -1099.085 ± 414.584 χ^2/NDF : 19.3/15

Right Out: -384.785 ± 641.994 χ^2/NDF : 7.3/18

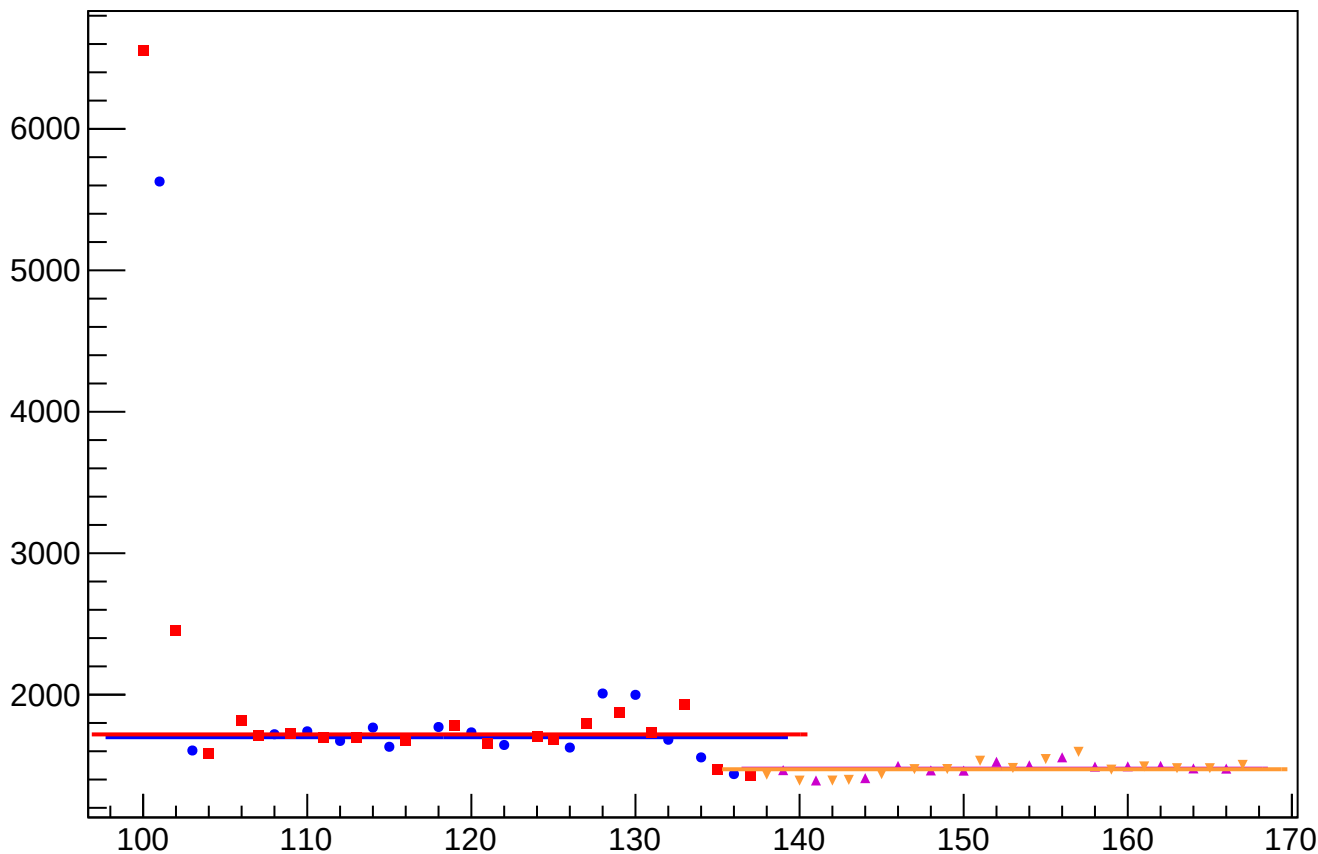
Left In: 317.253 ± 434.805 χ^2/NDF : 15.1/13

+ sign -643.581 ± 349.419 χ^2/NDF : 46.2/31

All: -284.588 ± 250.737 χ^2/NDF : 71.6/64

- sign 96.492 ± 360.008 χ^2/NDF : 23.2/32

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF : 762097.7/15

Left Out: 1472.784+/-0.293 χ^2/NDF : 32588.1/15

Right Out: 1719.103+/-0.454 χ^2/NDF : 233751.6/18

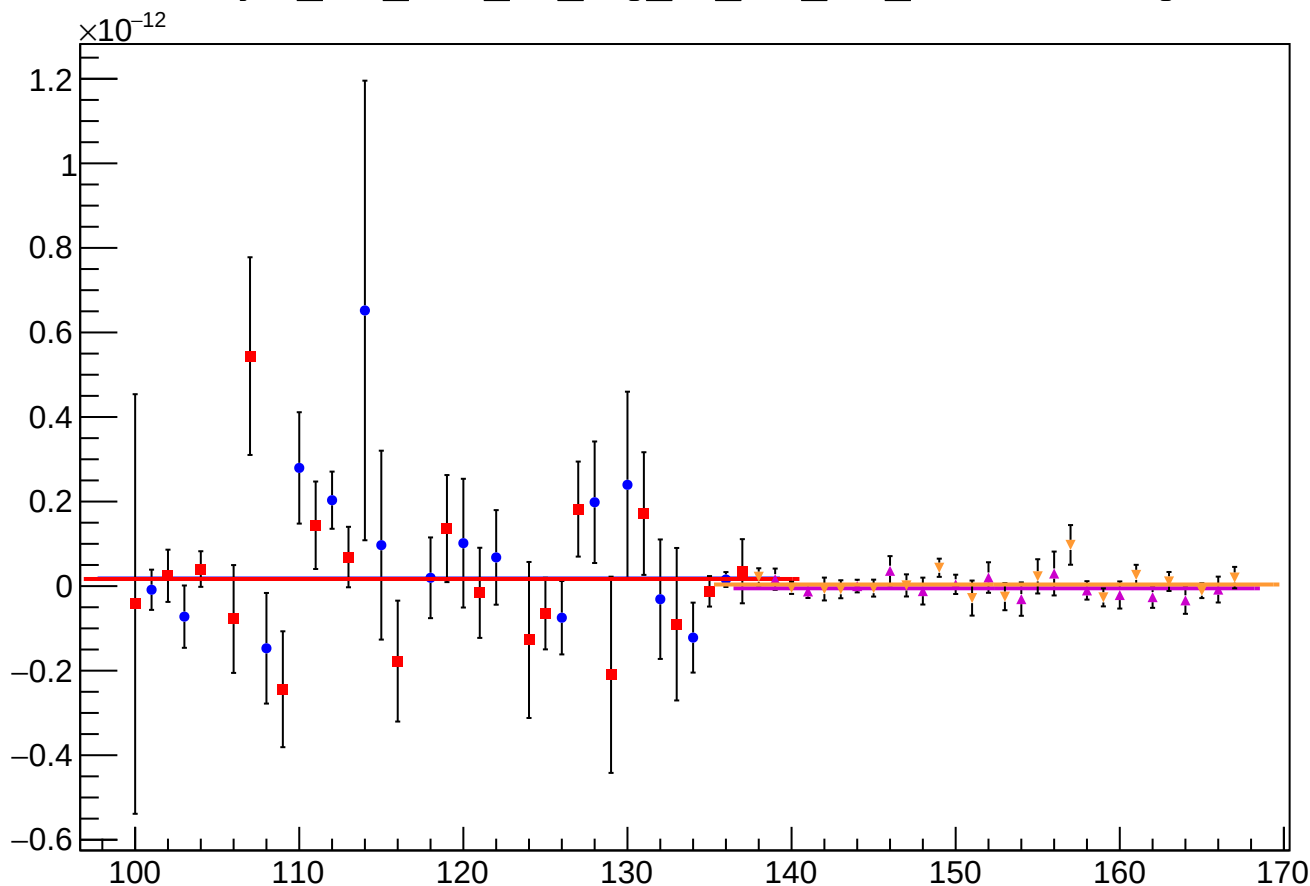
Left In: 1476.852+/-0.307 χ^2/NDF : 18277.2/13

+ sign 1538.404+/-0.247 χ^2/NDF : 967666.0/31

All: 1545.499+/-0.177 χ^2/NDF : 1416618.8/64

- sign 1553.030+/-0.255 χ^2/NDF : 447253.0/32

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:14.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/18

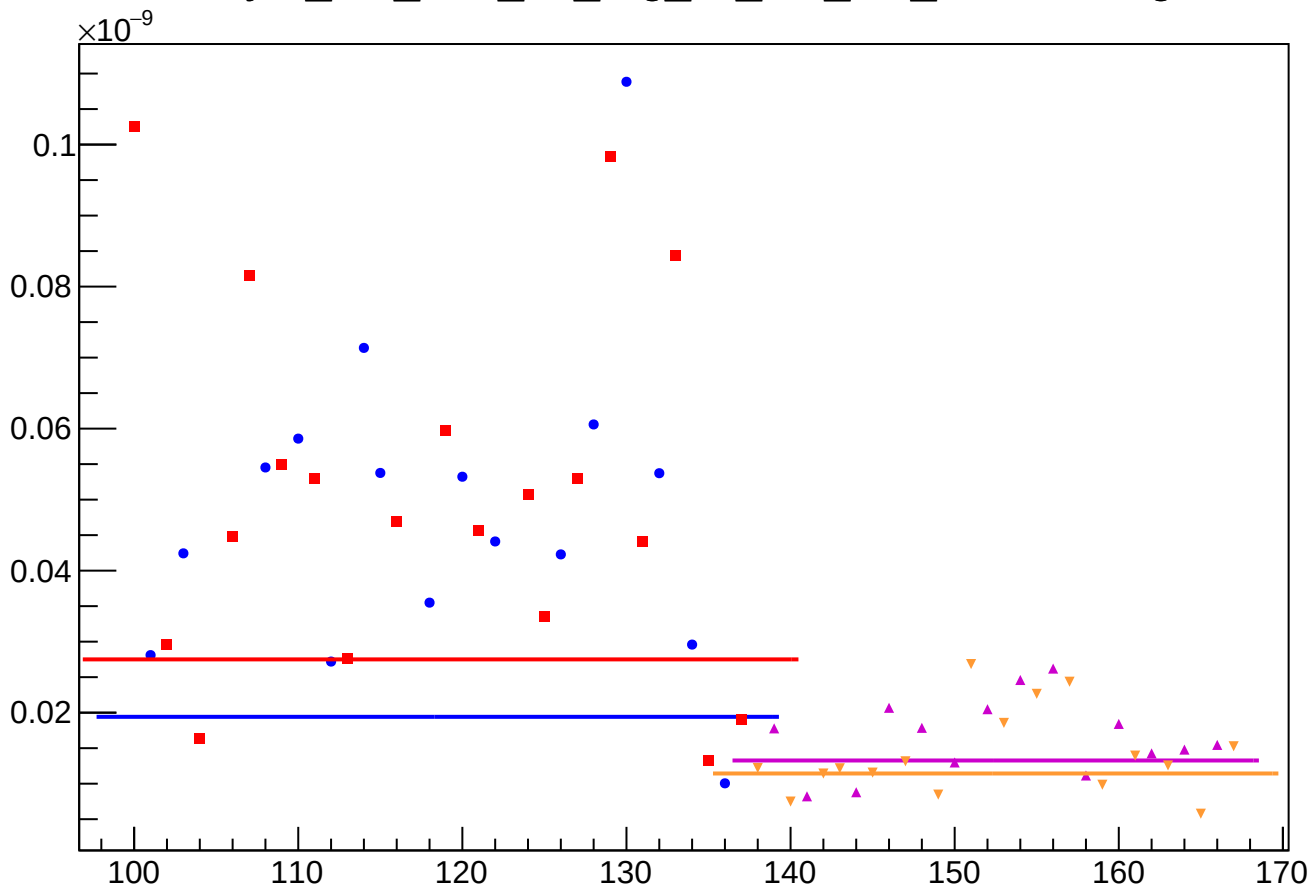
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:5.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 68.7/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/32

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 : 1177093.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1650144.8/18

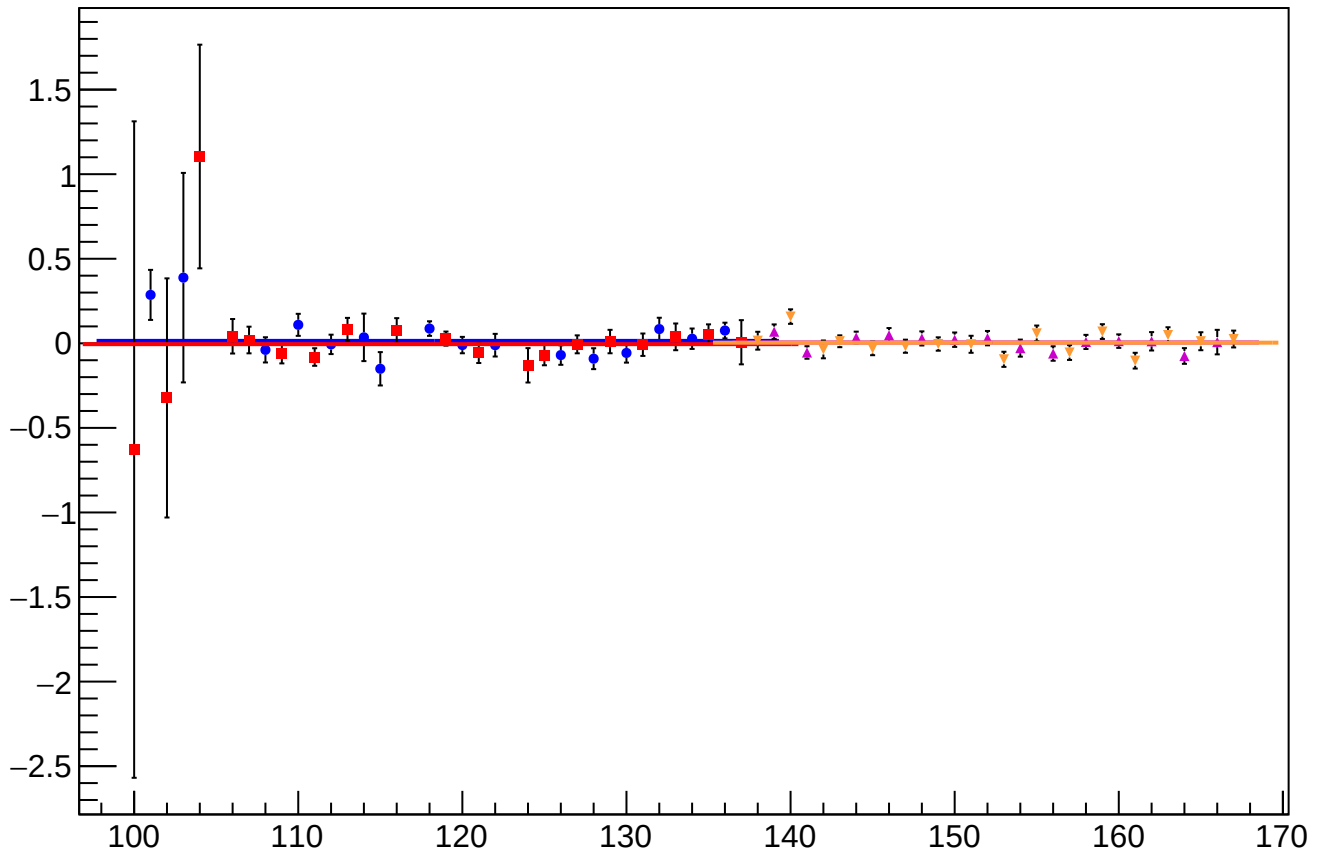
Left In: 0.000+/-0.000 χ^2/NDF : 1045953.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 3983232.7/31

All: 0.000+/-0.000 χ^2/NDF : 7821762.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3685364.7/32

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.016 χ^2/NDF : 22.0/15

Left Out: 0.004 ± 0.011 χ^2/NDF : 31.3/15

Right Out: -0.005 ± 0.016 χ^2/NDF : 14.9/18

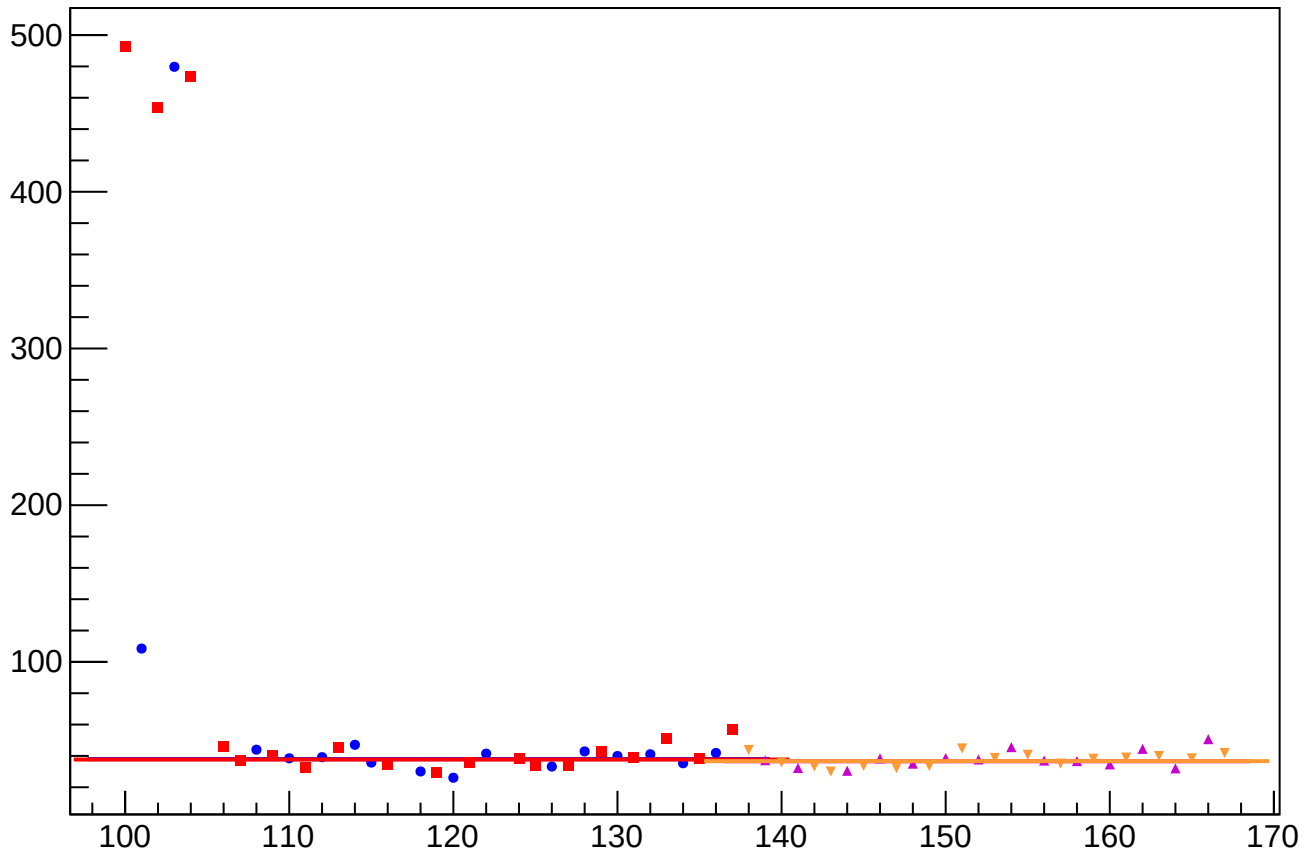
Left In: 0.005 ± 0.012 χ^2/NDF : 13.1/13

+ sign 0.007 ± 0.009 χ^2/NDF : 53.6/31

All: 0.005 ± 0.007 χ^2/NDF : 82.1/64

- sign 0.002 ± 0.009 χ^2/NDF : 28.3/32

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: 36.663 $\pm$ 0.008 χ^2 /NDF: 283433.4/15

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

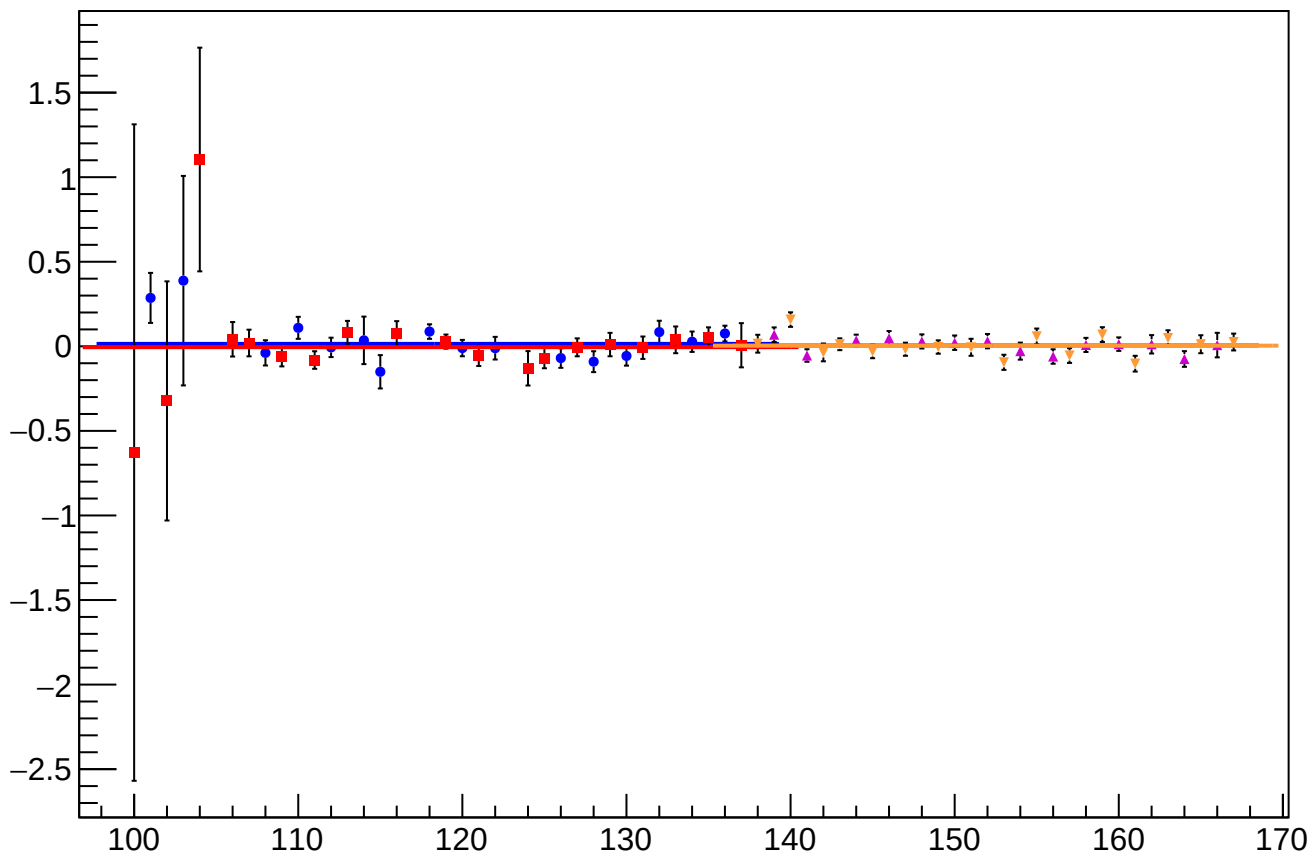
Left In: 36.586 $\pm$ 0.008 χ^2 /NDF: 308047.8/13

+ sign 37.082 $\pm$ 0.006 χ^2 /NDF: 2031775.0/31

All: 37.025 $\pm$ 0.005 χ^2 /NDF: 4291154.7/64

- sign 36.965 $\pm$ 0.007 χ^2 /NDF: 2259221.7/32

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.004 $\pm$ 0.011 χ^2 /NDF: 31.3/15

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

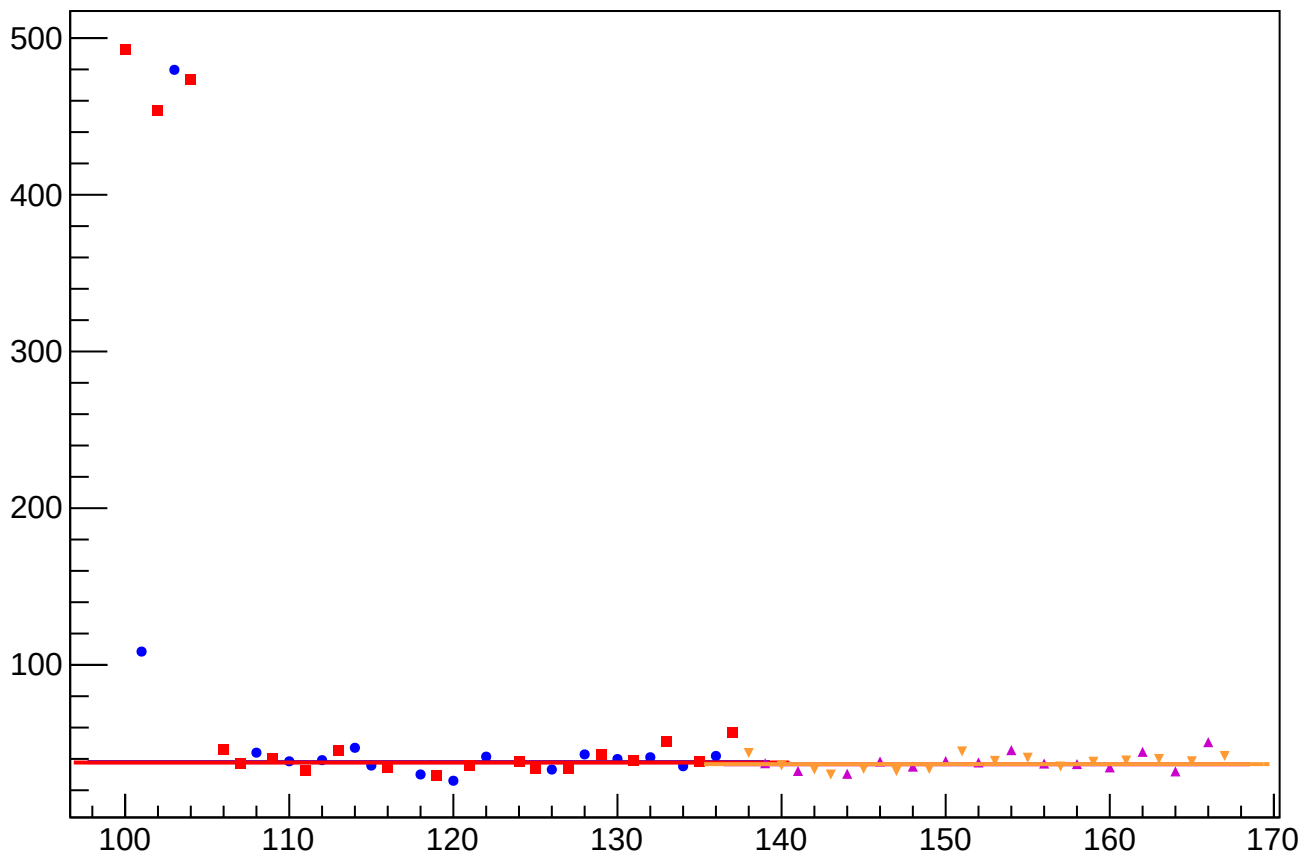
Left In: 0.005 $\pm$ 0.012 χ^2 /NDF: 13.1/13

+ sign 0.007 $\pm$ 0.009 χ^2 /NDF: 53.6/31

All: 0.005 $\pm$ 0.007 χ^2 /NDF: 82.1/64

- sign 0.002 $\pm$ 0.009 χ^2 /NDF: 28.3/32

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: 36.663 $\pm$ 0.008 χ^2 /NDF: 283433.4/15

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

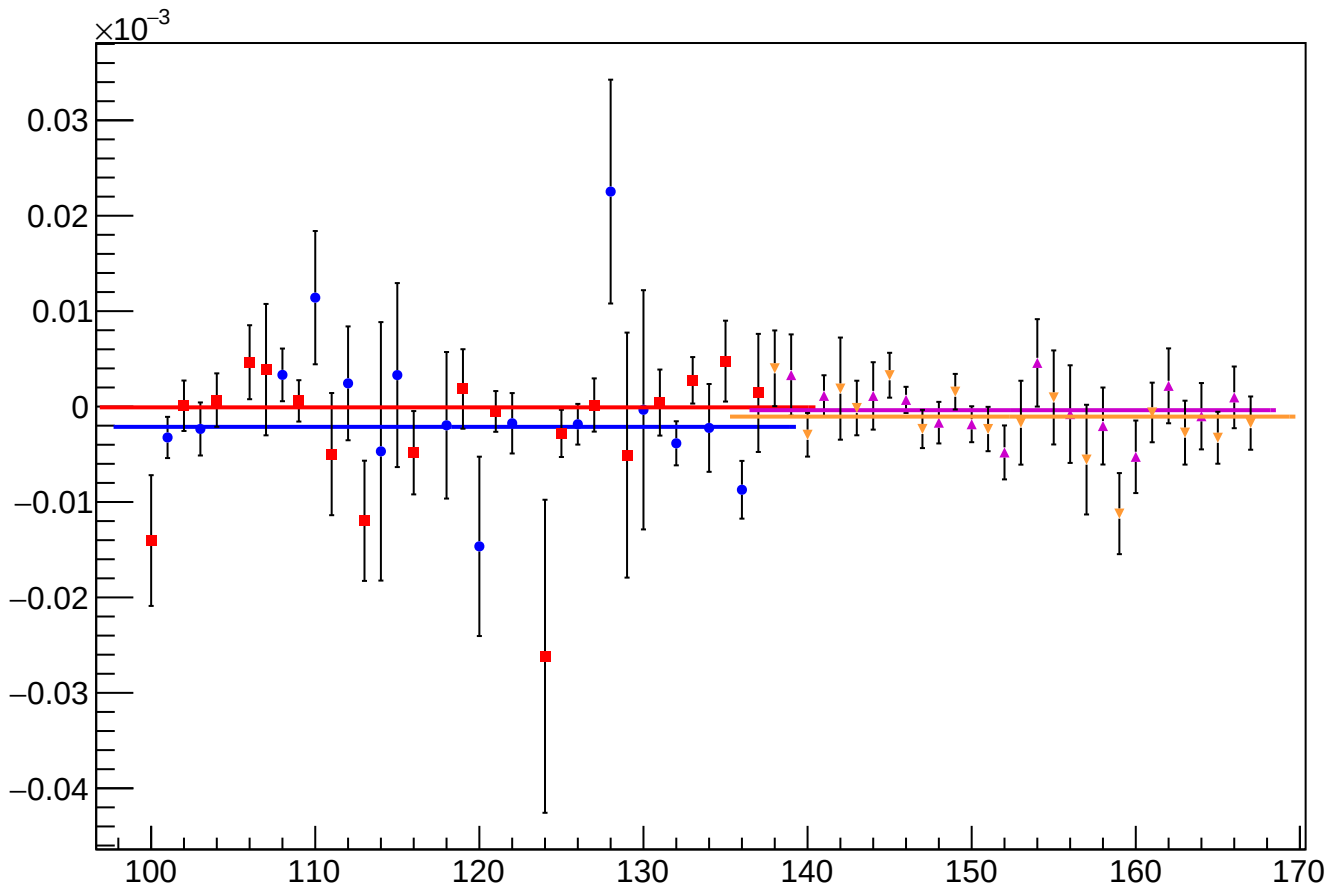
Left In: 36.586 $\pm$ 0.008 χ^2 /NDF: 308047.8/13

+ sign 37.082 $\pm$ 0.006 χ^2 /NDF: 2031775.0/31

All: 37.025 $\pm$ 0.005 χ^2 /NDF: 4291154.7/64

- sign 36.965 $\pm$ 0.007 χ^2 /NDF: 2259221.7/32

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 : 16.3/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

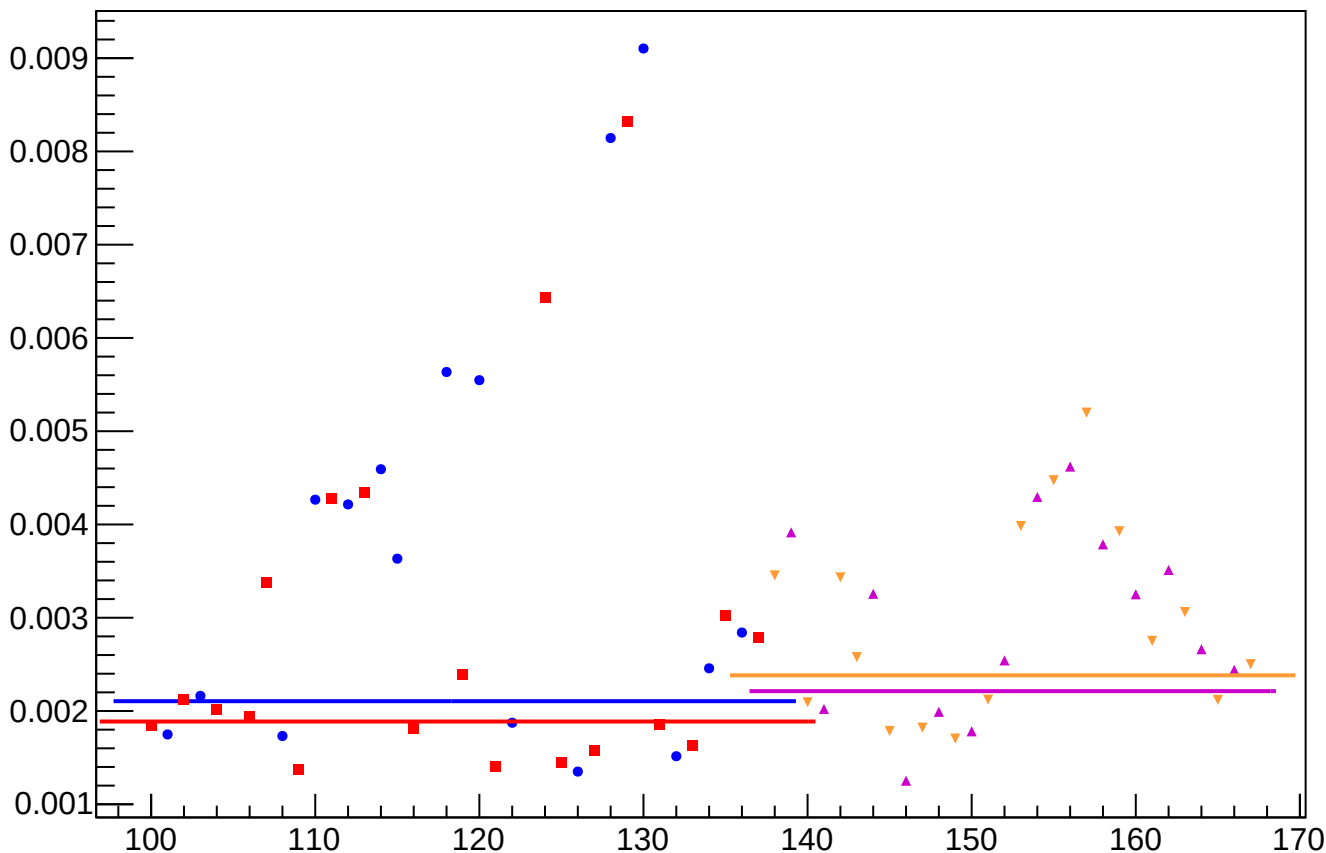
Left In: -0.000 ± 0.000 χ^2/NDF : 9.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 37.6/31

All: -0.000 ± 0.000 χ^2/NDF : 67.7/64

- sign -0.000 ± 0.000 χ^2/NDF : 27.5/32

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:2342400.4/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1892000.0/18

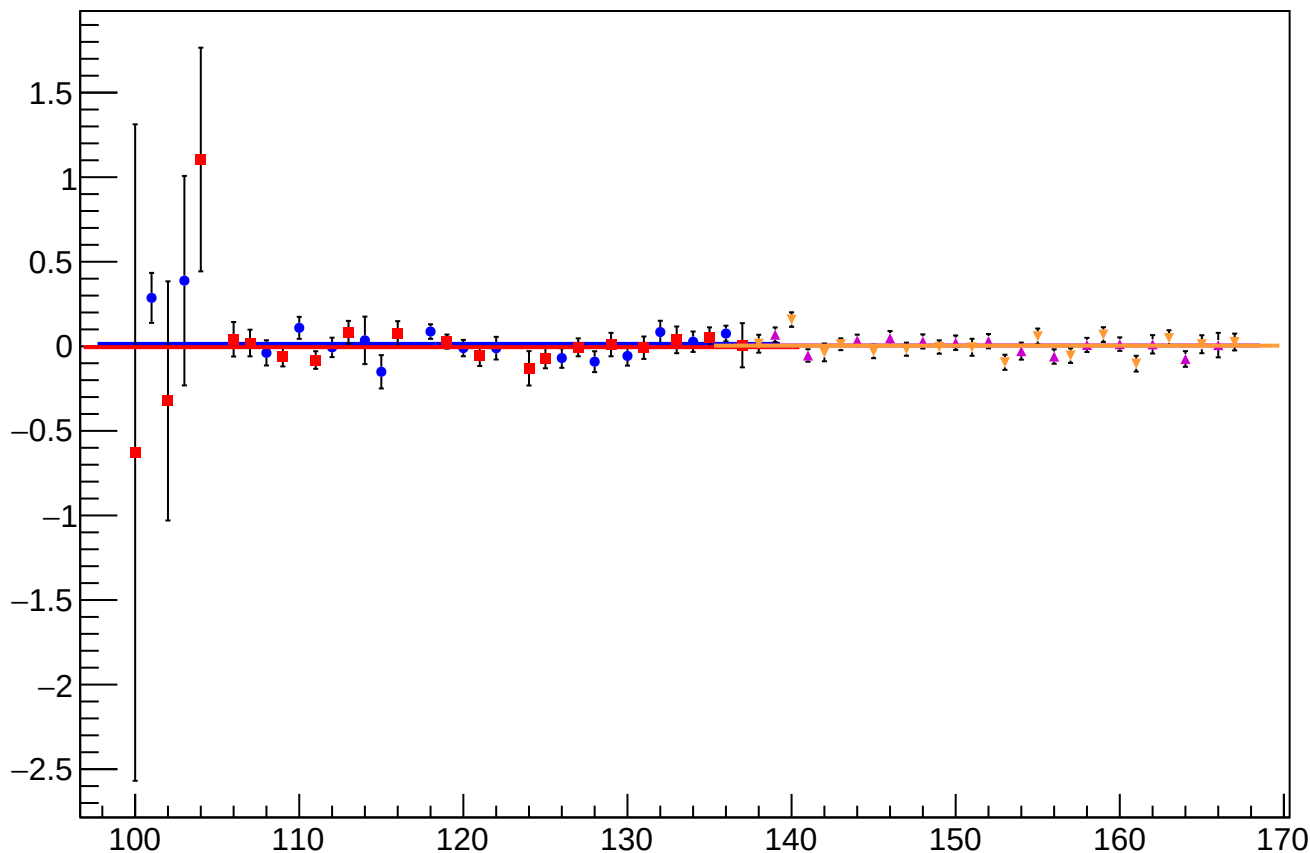
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:3219814.8/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5476875.8/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 10922176.3/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5299290.9/32

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.016 χ^2/NDF : 22.0/15

Left Out: 0.004 ± 0.011 χ^2/NDF : 31.3/15

Right Out: -0.005 ± 0.016 χ^2/NDF : 14.9/18

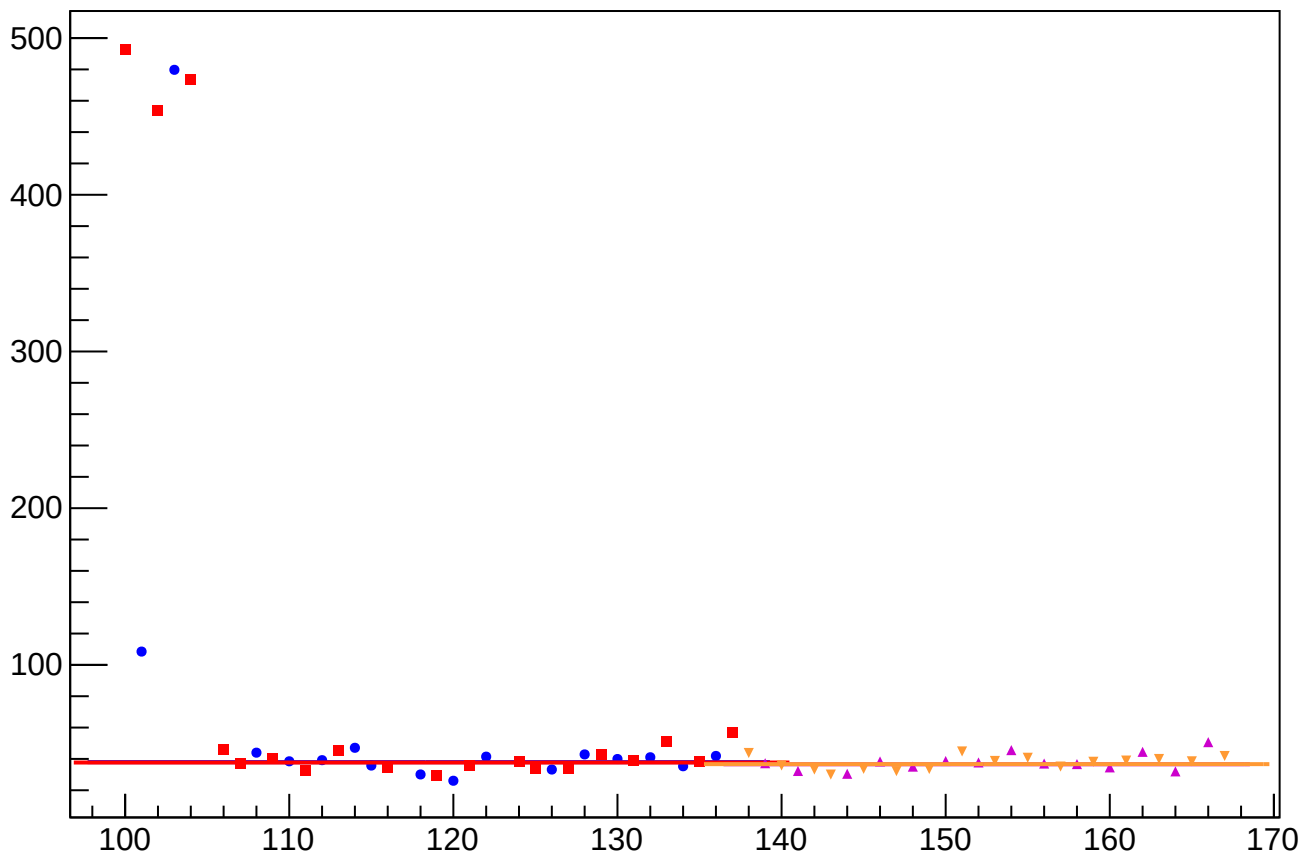
Left In: 0.005 ± 0.012 χ^2/NDF : 13.1/13

+ sign 0.007 ± 0.009 χ^2/NDF : 53.6/31

All: 0.005 ± 0.007 χ^2/NDF : 82.1/64

- sign 0.002 ± 0.009 χ^2/NDF : 28.3/32

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: 36.663 $\pm$ 0.008 χ^2 /NDF: 283482.7/15

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

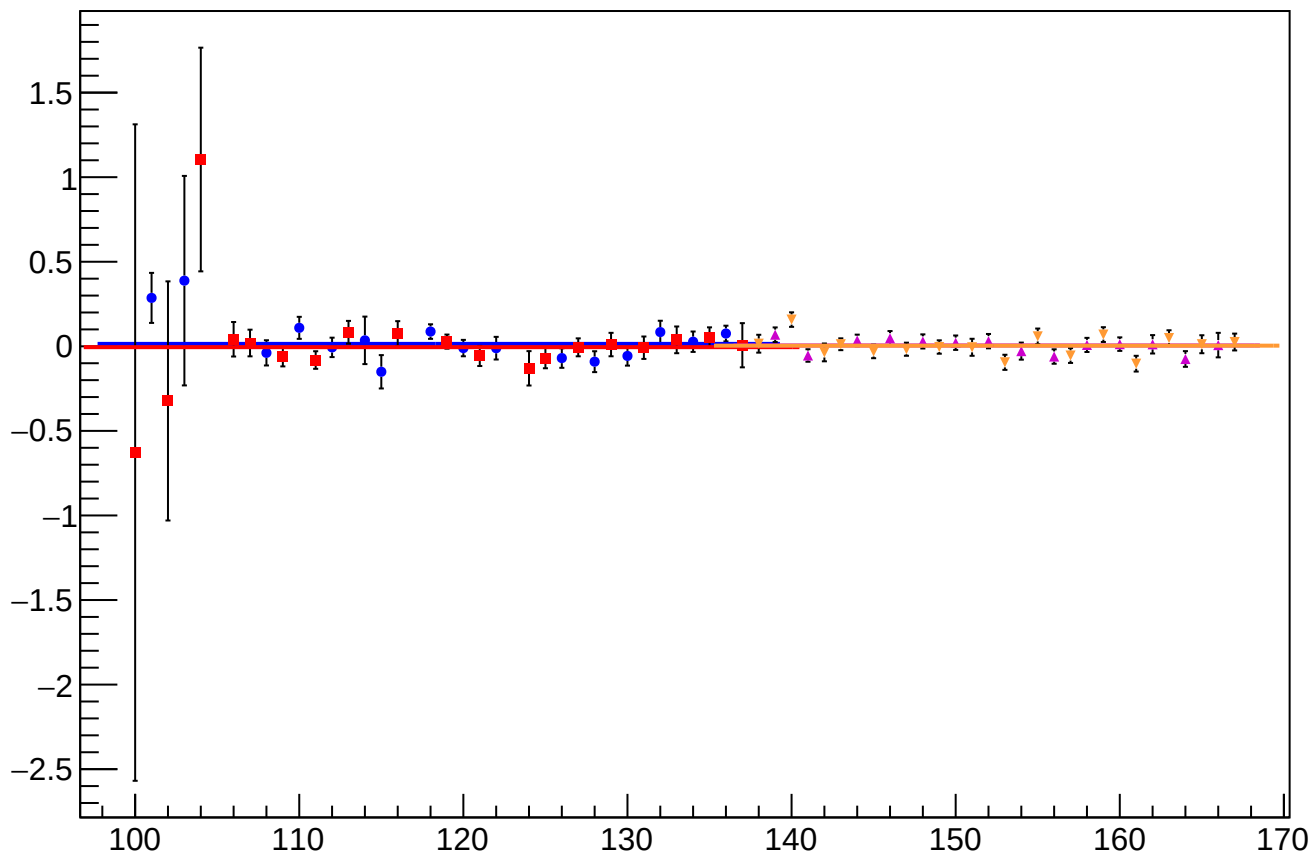
Left In: 36.586 $\pm$ 0.008 χ^2 /NDF: 308083.6/13

+ sign 37.082 $\pm$ 0.006 χ^2 /NDF: 2031830.5/31

All: 37.025 $\pm$ 0.005 χ^2 /NDF: 4291314.8/64

- sign 36.965 $\pm$ 0.007 χ^2 /NDF: 2259325.3/32

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: 0.004 ± 0.011 χ^2/NDF : 31.3/15

Right Out: -0.005 ± 0.016 χ^2/NDF : 14.9/18

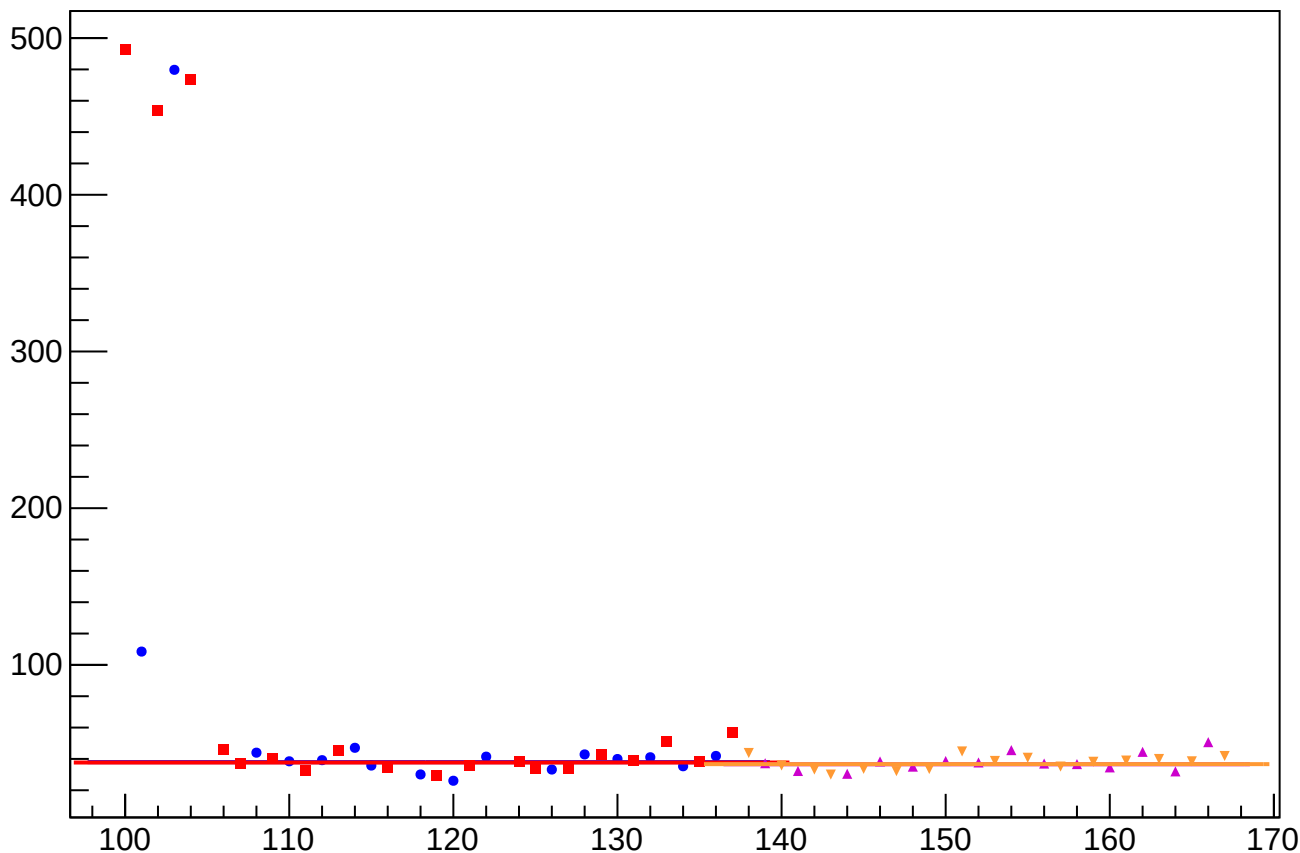
Left In: 0.005 ± 0.012 χ^2/NDF : 13.1/13

+ sign 0.007 ± 0.009 χ^2/NDF : 53.6/31

All: 0.005 ± 0.007 χ^2/NDF : 82.1/64

- sign 0.002 ± 0.009 χ^2/NDF : 28.3/32

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942 ± 0.011 $\chi^2/\text{NDF}: 1739681.1/15$

Left Out: 36.663 ± 0.008 $\chi^2/\text{NDF}: 283482.7/15$

Right Out: 37.695 ± 0.011 $\chi^2/\text{NDF}: 1944959.2/18$

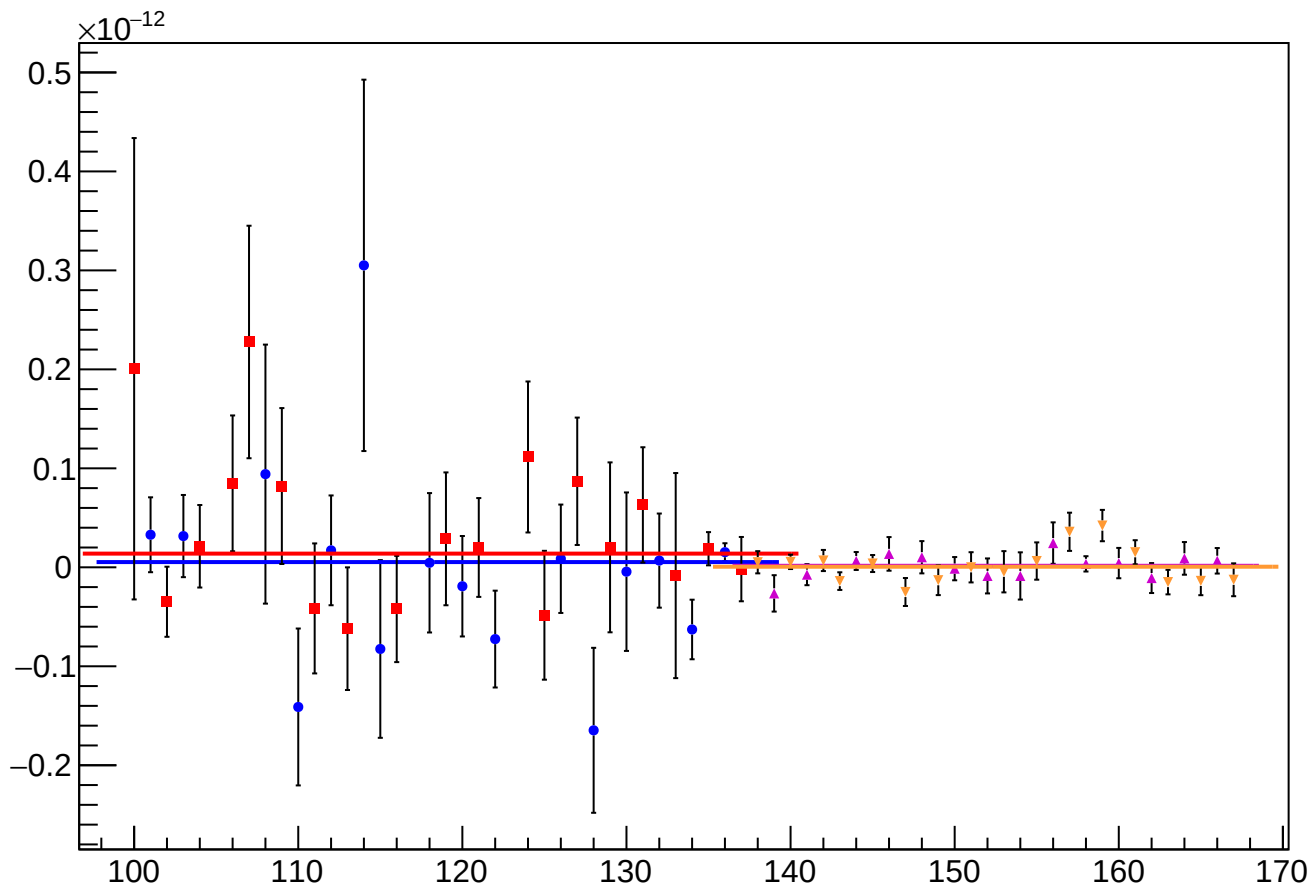
Left In: 36.586 ± 0.008 $\chi^2/\text{NDF}: 308083.6/13$

+ sign 37.082 ± 0.006 $\chi^2/\text{NDF}: 2031830.5/31$

All: 37.025 ± 0.005 $\chi^2/\text{NDF}: 4291314.8/64$

- sign 36.965 ± 0.007 $\chi^2/\text{NDF}: 2259325.3/32$

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.7/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 22.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.0/18

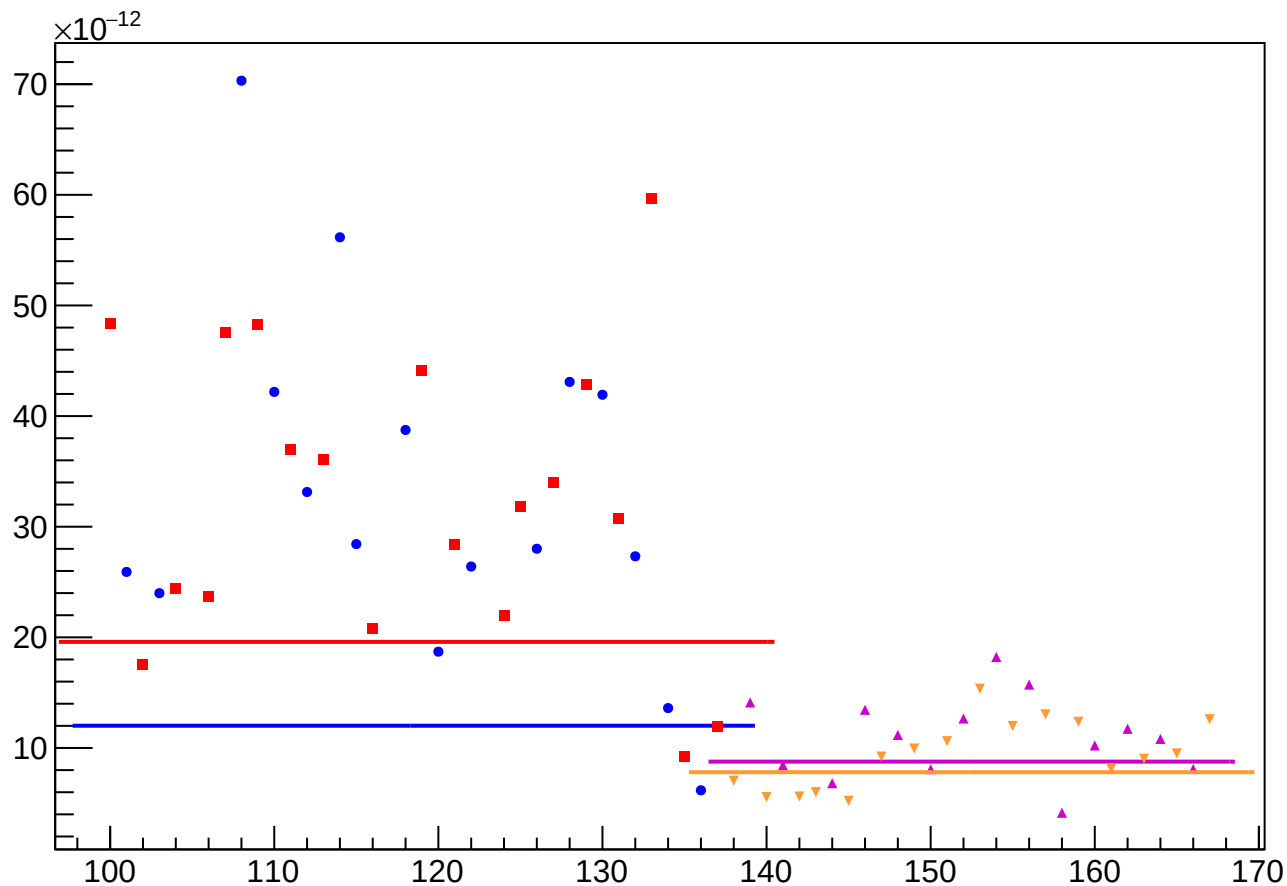
Left In: 0.000 ± 0.000 χ^2/NDF : 7.0/13

+ sign 0.000 ± 0.000 χ^2/NDF : 44.9/31

All: 0.000 ± 0.000 χ^2/NDF : 69.2/64

- sign 0.000 ± 0.000 χ^2/NDF : 24.2/32

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1565366.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2619469.9/18

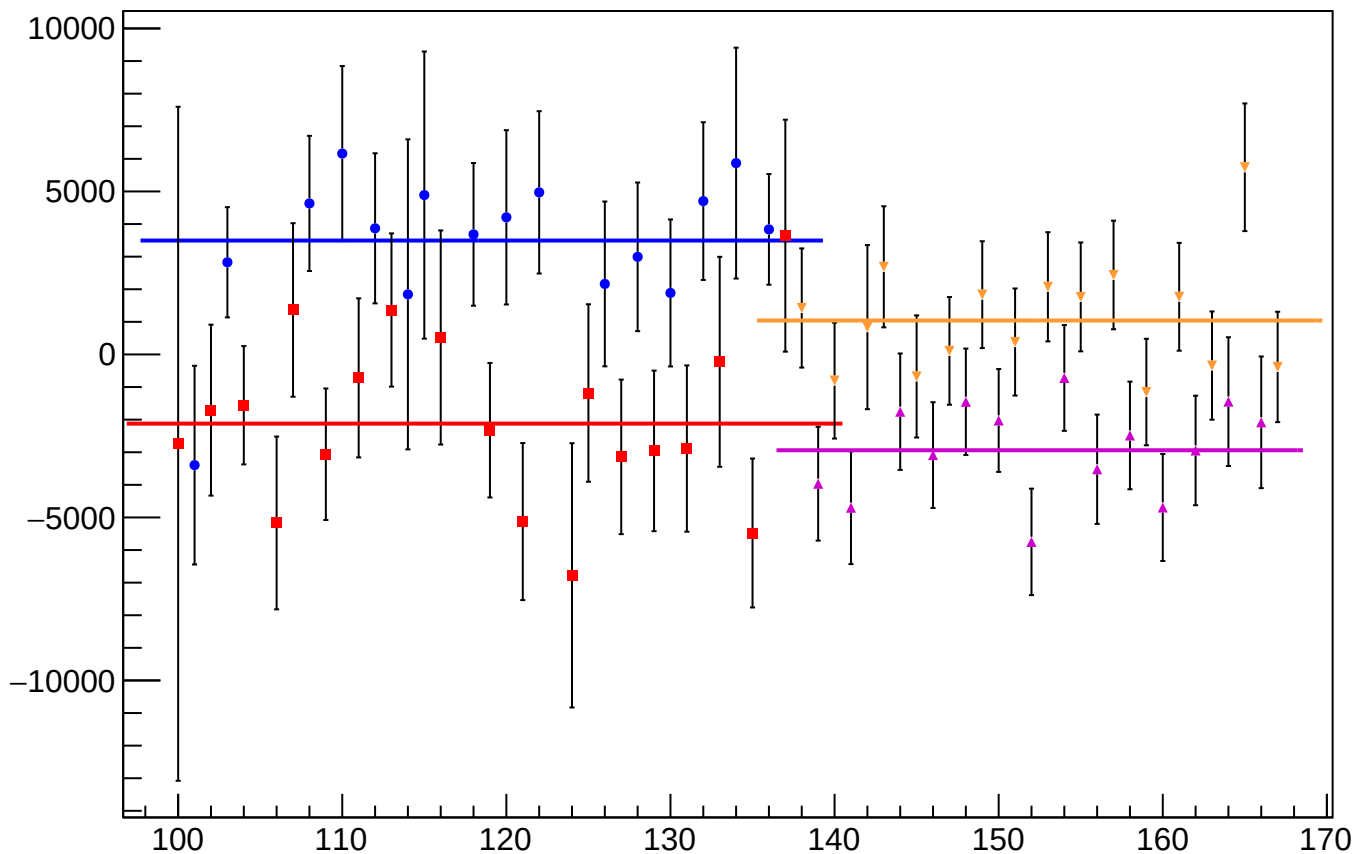
Left In: 0.000+/-0.000 χ^2/NDF : 1944740.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 5967221.9/31

All: 0.000+/-0.000 χ^2/NDF : 12646408.4/64

- sign 0.000+/-0.000 χ^2/NDF : 6456140.1/32

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380 ± 601.185 χ^2/NDF : 8.8/15

Left Out: 1041.038 ± 436.591 χ^2/NDF : 13.9/15

Right Out: -2121.717 ± 587.617 χ^2/NDF : 15.1/18

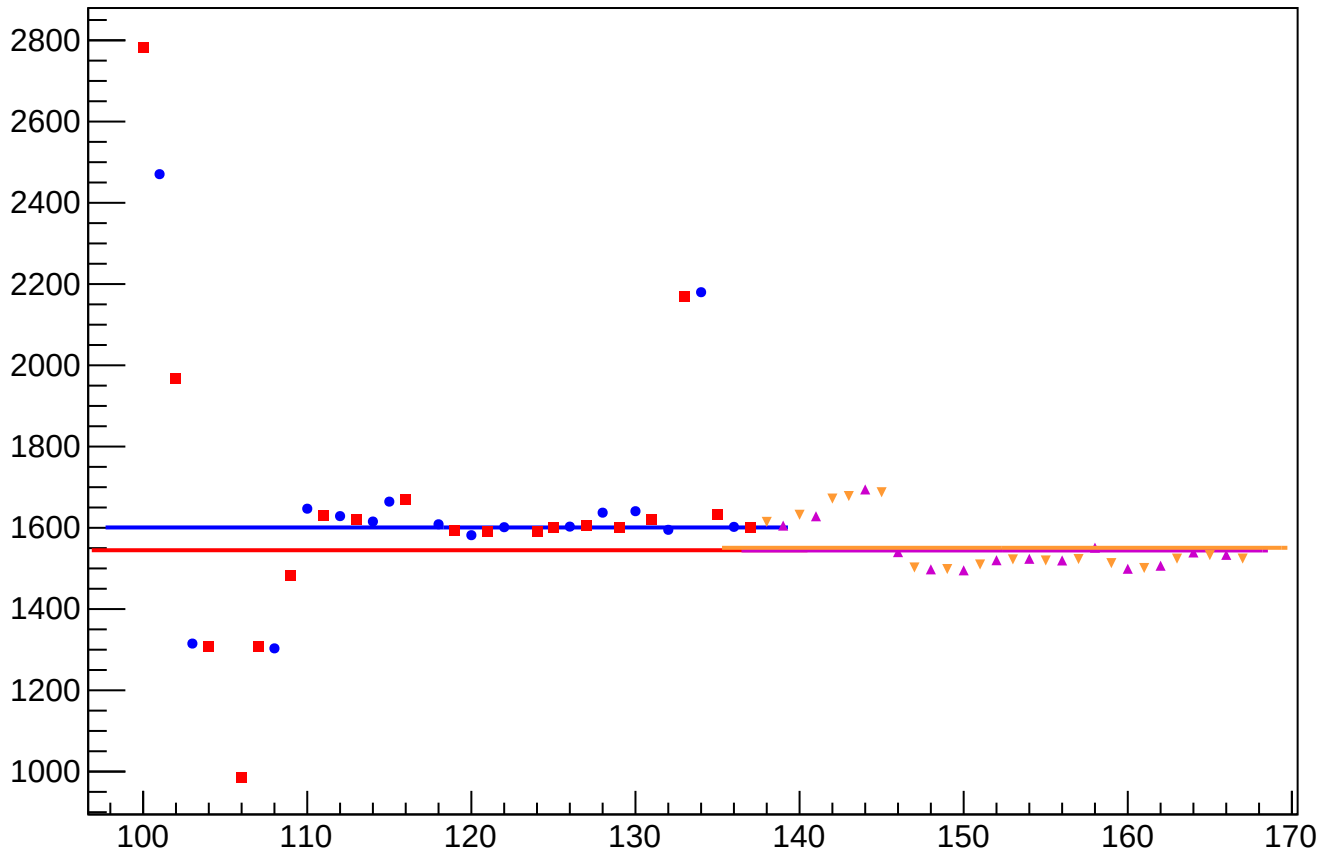
Left In: -2938.990 ± 454.712 χ^2/NDF : 9.9/13

+ sign 1888.150 ± 353.264 χ^2/NDF : 33.6/31

All: -332.091 ± 252.011 χ^2/NDF : 140.3/64

- sign -2632.894 ± 359.616 χ^2/NDF : 26.2/32

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880 ± 0.425 $\chi^2/\text{NDF}: 317414.0/15$

Left Out: 1550.810 ± 0.309 $\chi^2/\text{NDF}: 42195.2/15$

+ sign 1568.099 ± 0.250 $\chi^2/\text{NDF}: 368691.7/31$

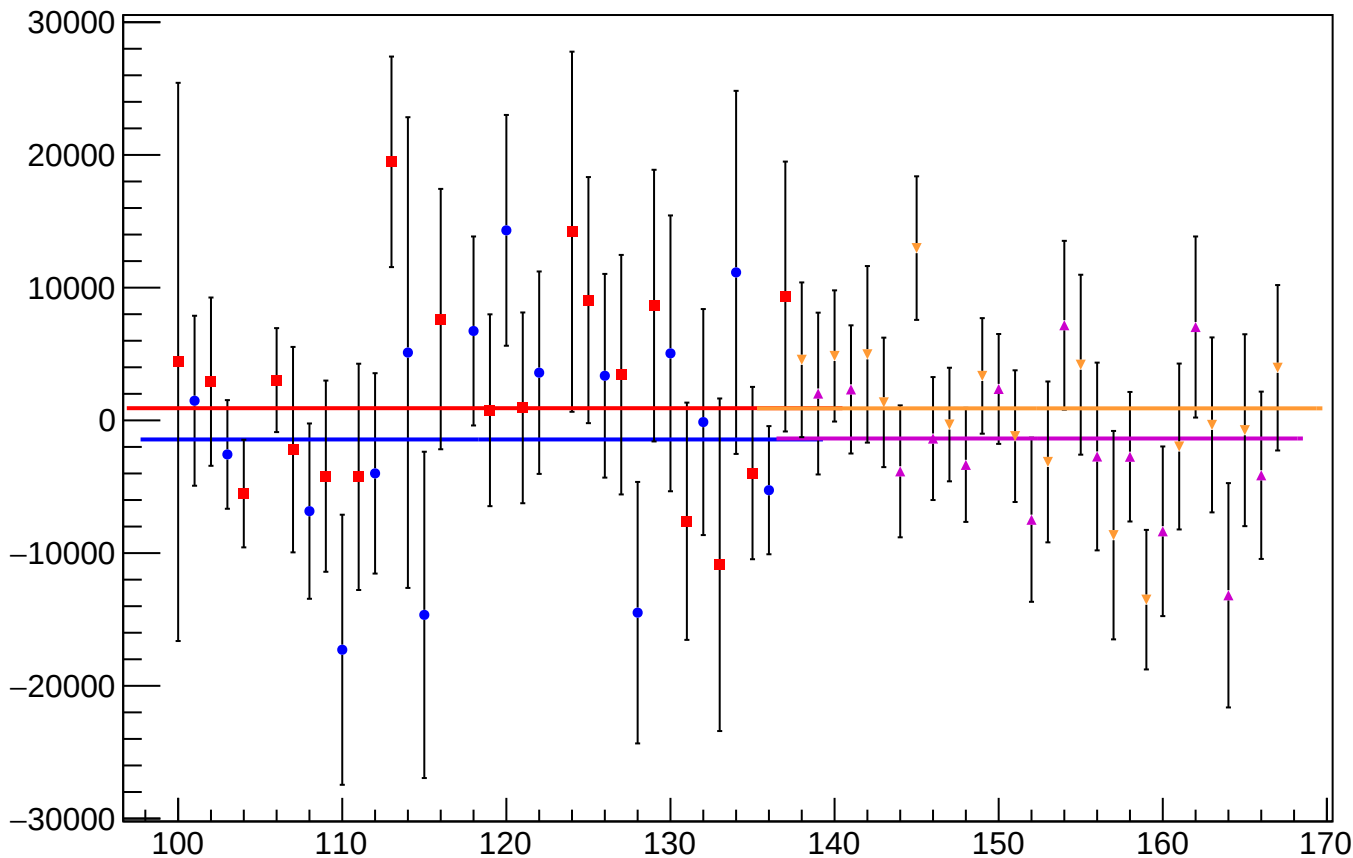
Right Out: 1544.809 ± 0.409 $\chi^2/\text{NDF}: 376127.4/18$

All: 1556.411 ± 0.178 $\chi^2/\text{NDF}: 777931.0/64$

Left In: 1544.230 ± 0.322 $\chi^2/\text{NDF}: 28681.1/13$

- sign 1544.451 ± 0.253 $\chi^2/\text{NDF}: 404809.8/32$

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118 ± 1848.287 χ^2/NDF : 13.9/15

Left Out: 906.537 ± 1397.459 χ^2/NDF : 17.2/15

Right Out: 918.485 ± 1669.278 χ^2/NDF : 15.3/18

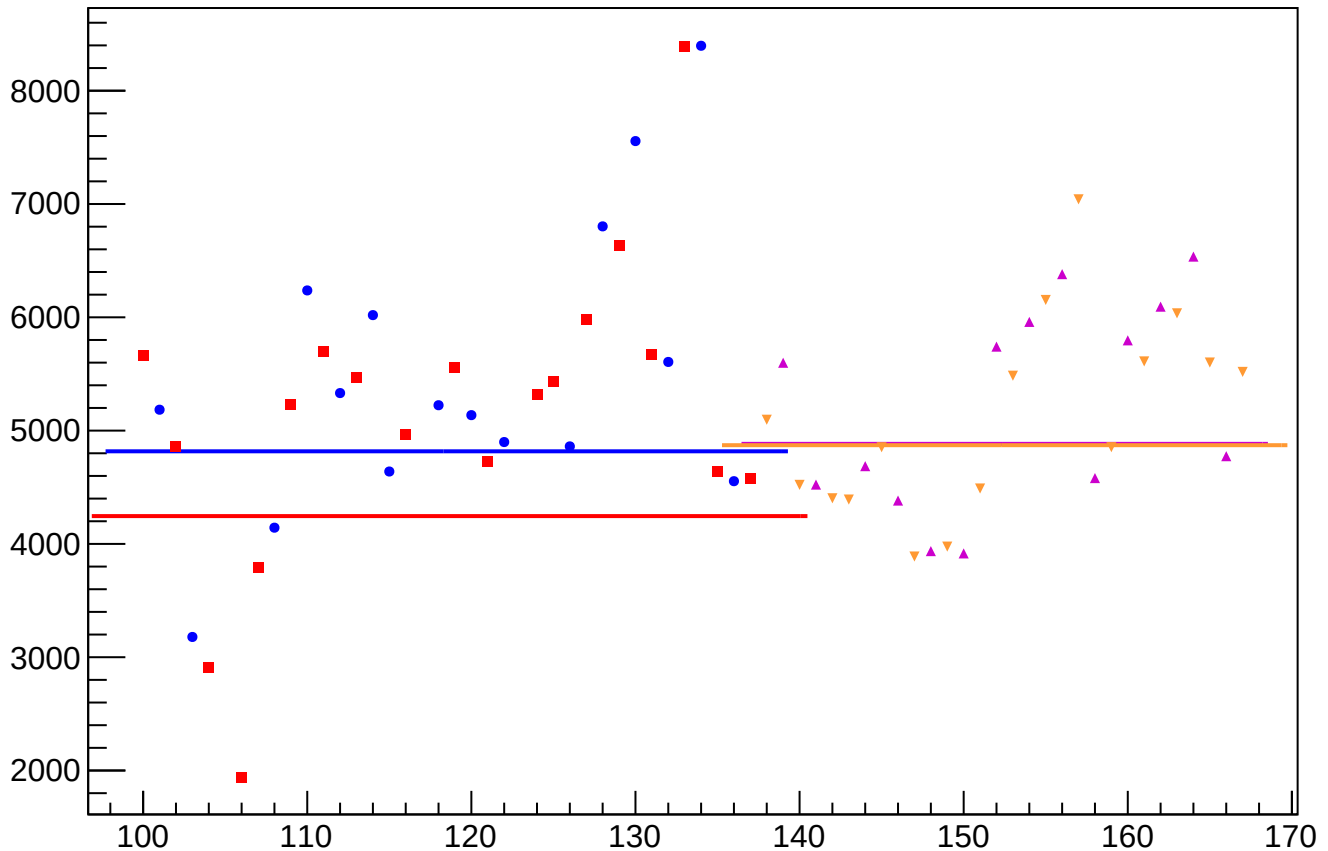
Left In: -1364.611 ± 1462.701 χ^2/NDF : 9.9/13

+ sign 54.077 ± 1114.704 χ^2/NDF : 32.1/31

All: -162.274 ± 783.005 χ^2/NDF : 58.5/64

- sign -372.998 ± 1100.114 χ^2/NDF : 26.3/32

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF : 795431.1/15

Left Out: 4871.296+/-0.988 χ^2/NDF : 621250.4/15

+ sign 4851.672+/-0.788 χ^2/NDF : 1417765.9/31

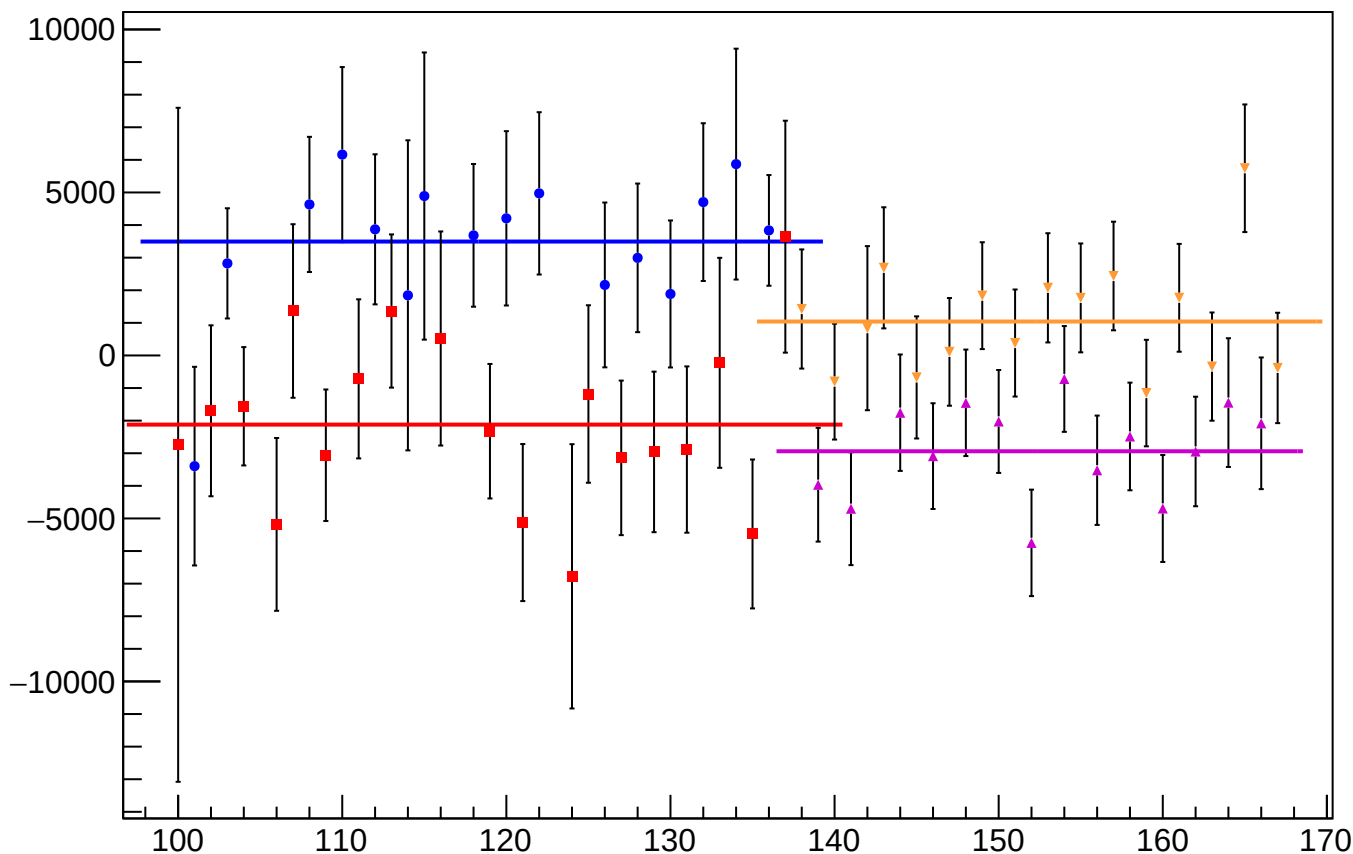
Right Out: 4245.533+/-1.180 χ^2/NDF : 1683159.2/18

All: 4727.315+/-0.554 χ^2/NDF : 3960666.7/64

- sign 4606.193+/-0.778 χ^2/NDF : 2493765.5/32

Left In: 4883.111+/-1.034 χ^2/NDF : 645560.8/13

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046 $\pm$ 601.185 χ^2 /NDF: 8.8/15

Left Out: 1040.885 $\pm$ 436.591 χ^2 /NDF:13.9/15

Right Out: -2121.708 $\pm$ 587.619 χ^2 /NDF: 15.1/18

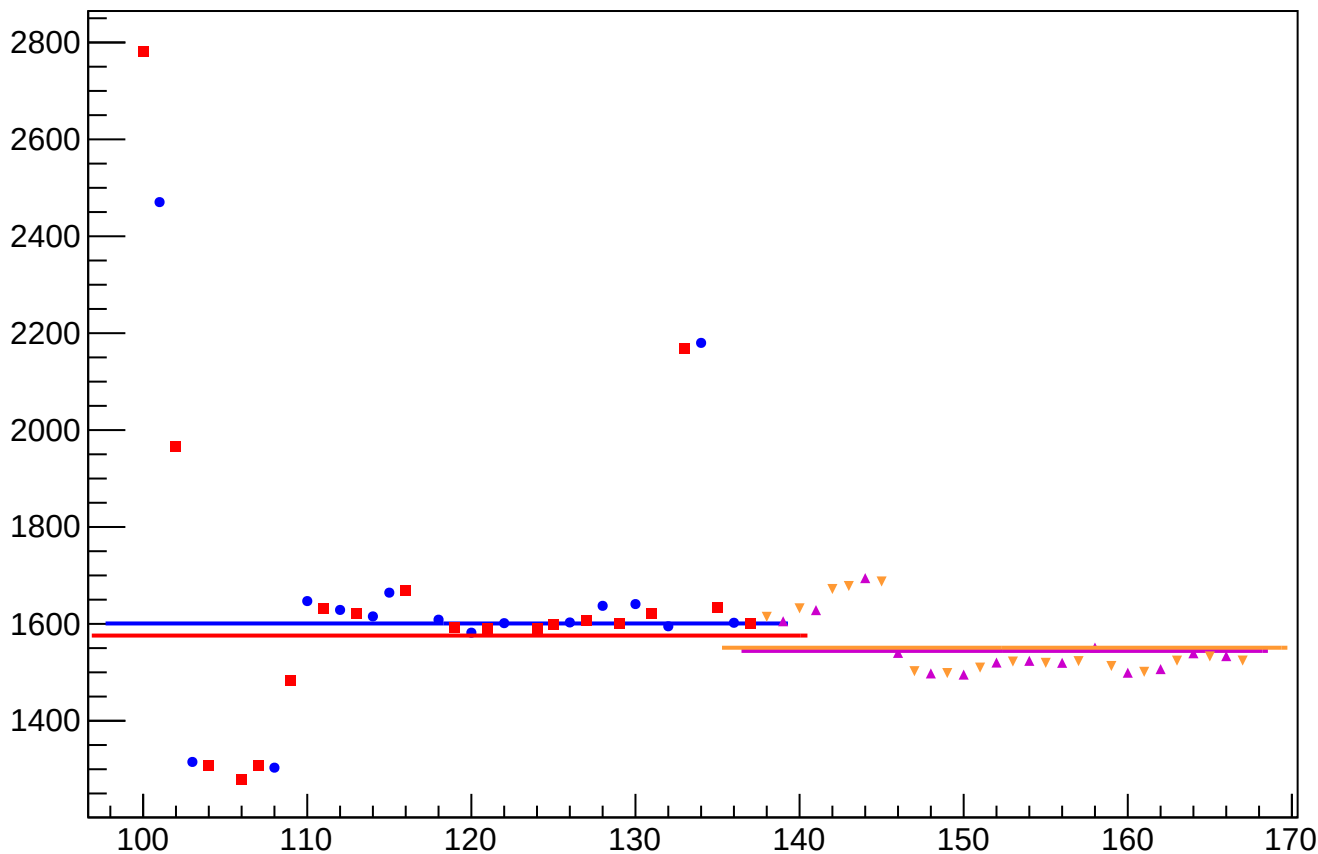
Left In: -2938.995 $\pm$ 454.712 χ^2 /NDF:9.9/13

+ sign 1887.934 $\pm$ 353.264 χ^2 /NDF: 33.6/31

All: -332.198 $\pm$ 252.011 χ^2 /NDF: 140.3/64

- sign -2632.896 $\pm$ 359.617 χ^2 /NDF: 26.2/32

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880 ± 0.425 χ^2/NDF : 317413.1/15

Left Out: 1550.810 ± 0.309 χ^2/NDF : 42195.2/15

Right Out: 1575.900 ± 0.414 χ^2/NDF : 243332.0/18

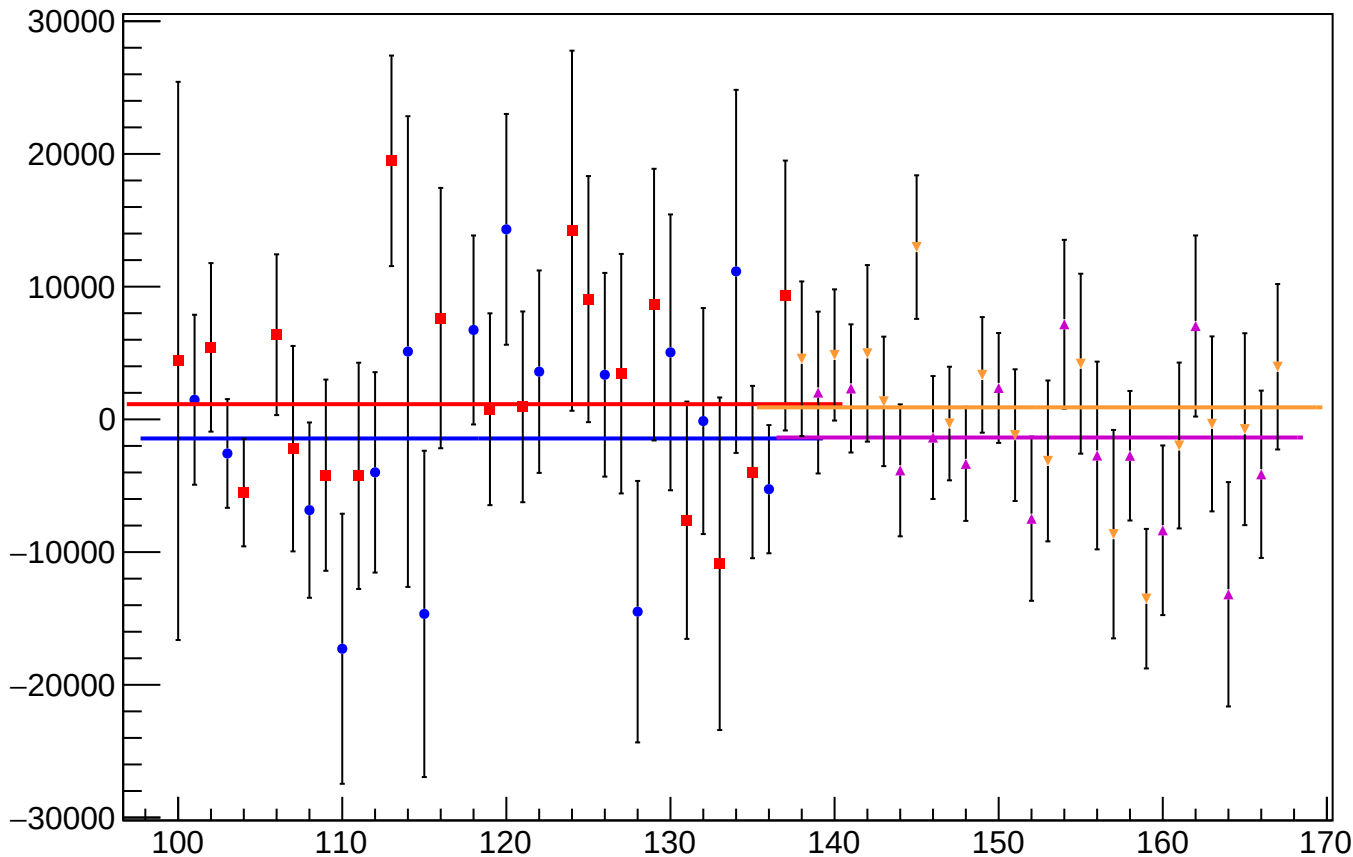
Left In: 1544.230 ± 0.322 χ^2/NDF : 28681.1/13

+ sign 1568.099 ± 0.250 χ^2/NDF : 368690.9/31

All: 1562.222 ± 0.178 χ^2/NDF : 645481.0/64

- sign 1556.150 ± 0.254 χ^2/NDF : 275664.7/32

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362 ± 1848.324 χ^2/NDF : 13.9/15

Left Out: 906.508 ± 1397.456 χ^2/NDF : 17.2/15

Right Out: 1146.174 ± 1765.384 χ^2/NDF : 16.3/18

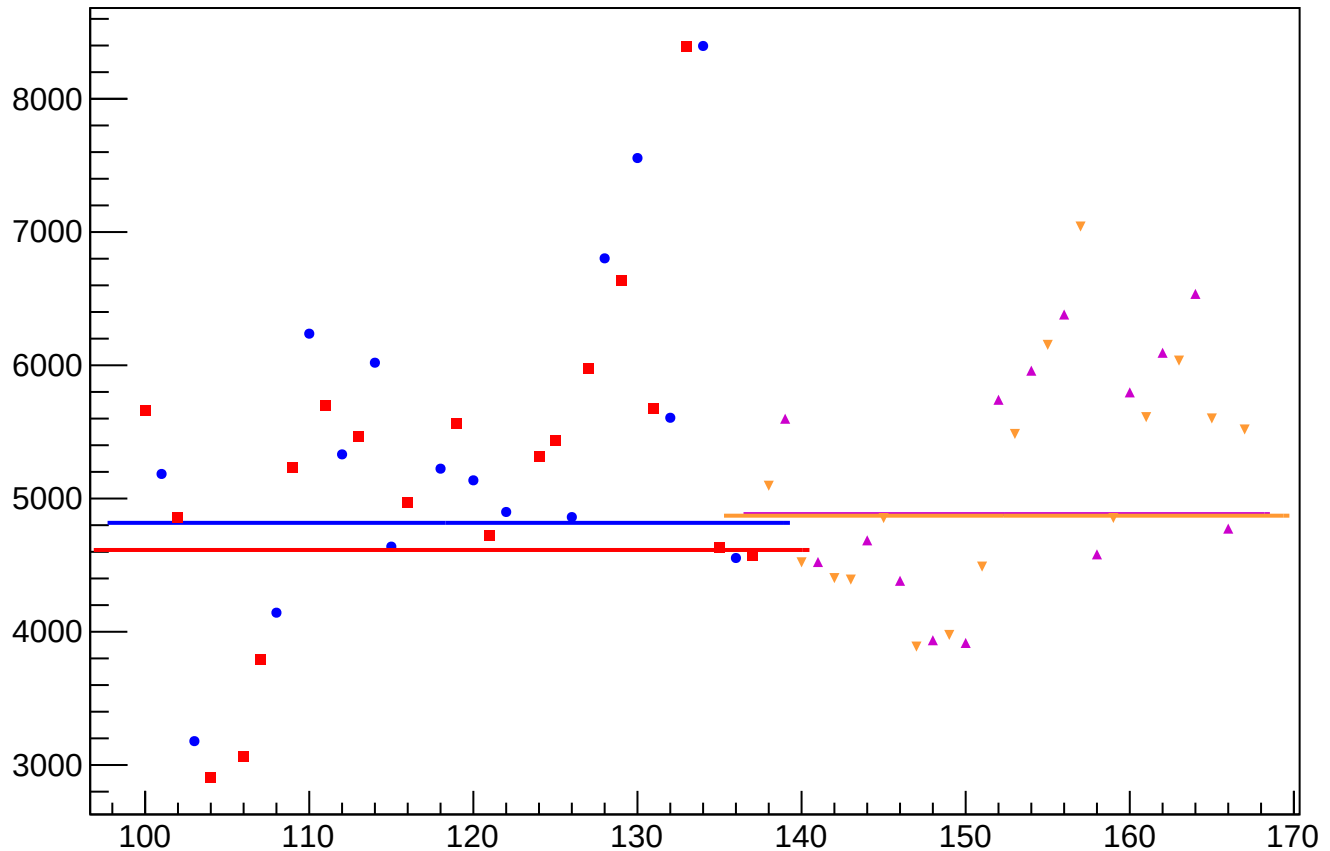
Left In: -1364.708 ± 1462.701 χ^2/NDF : 9.9/13

+ sign 53.994 ± 1114.711 χ^2/NDF : 32.1/31

All: -142.272 ± 792.294 χ^2/NDF : 59.5/64

- sign -342.650 ± 1126.325 χ^2/NDF : 27.4/32

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF : 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF : 621257.2/15

Right Out: 4613.851+/-1.248 χ^2/NDF : 977958.2/18

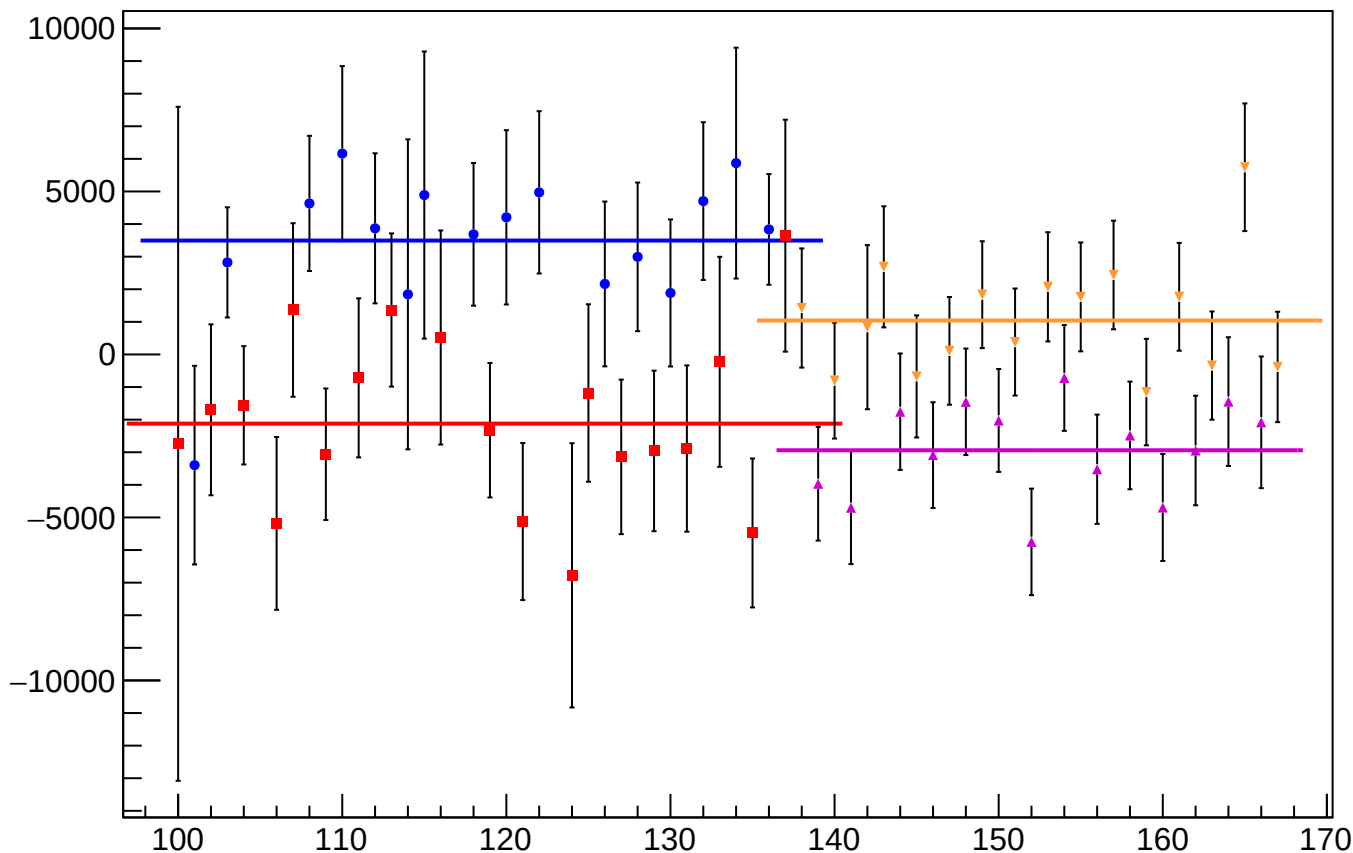
Left In: 4883.111+/-1.034 χ^2/NDF : 645562.9/13

+ sign 4851.715+/-0.788 χ^2/NDF : 1417568.9/31

All: 4813.017+/-0.560 χ^2/NDF : 3073548.8/64

- sign 4773.508+/-0.796 χ^2/NDF : 1651108.6/32

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046 ± 601.185 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 1040.885 ± 436.591 $\chi^2/\text{NDF}: 13.9/15$

Right Out: -2121.708 ± 587.619 $\chi^2/\text{NDF}: 15.1/18$

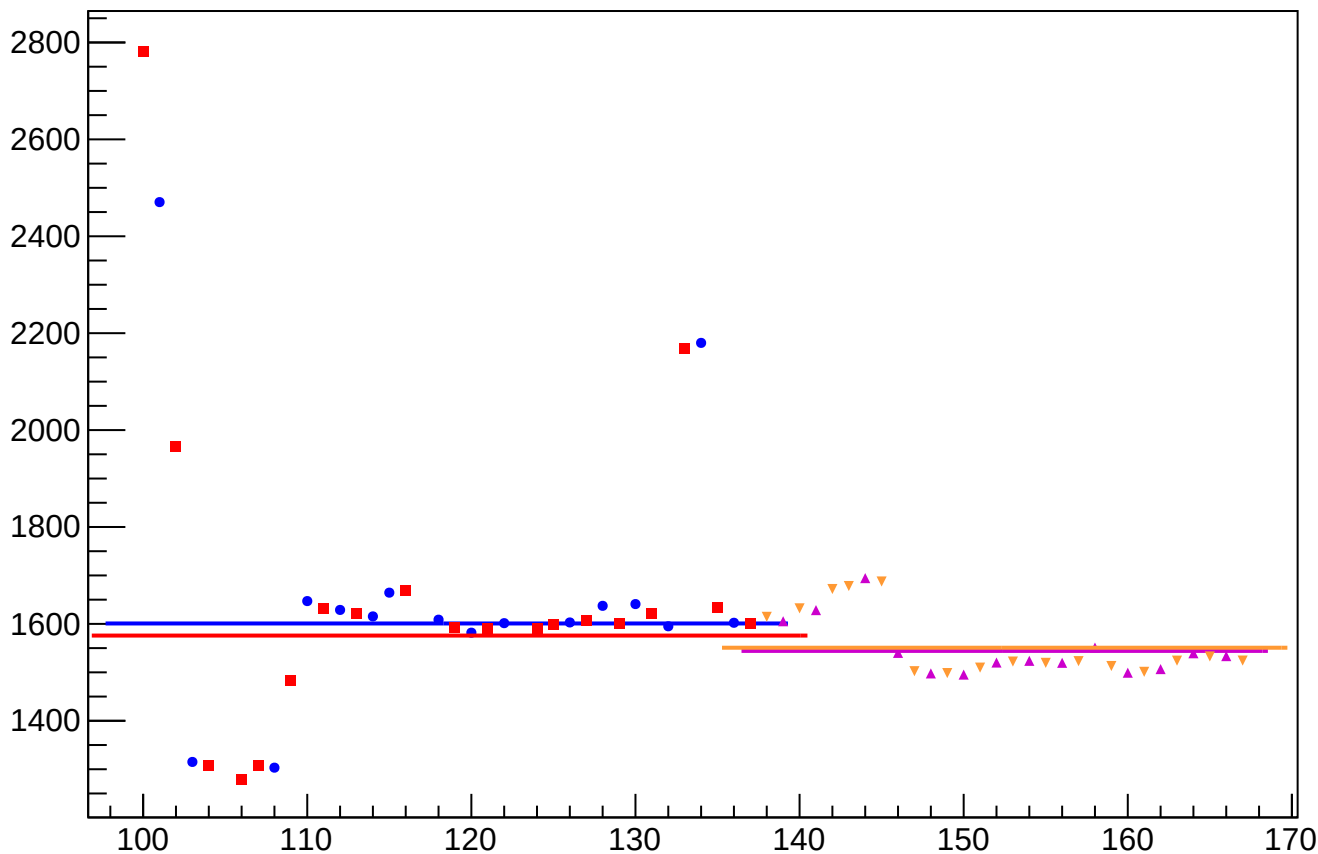
Left In: -2938.995 ± 454.712 $\chi^2/\text{NDF}: 9.9/13$

+ sign 1887.934 ± 353.264 $\chi^2/\text{NDF}: 33.6/31$

All: -332.198 ± 252.011 $\chi^2/\text{NDF}: 140.3/64$

- sign -2632.896 ± 359.617 $\chi^2/\text{NDF}: 26.2/32$

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF : 42195.2/15

Right Out: 1575.900+/-0.414 χ^2/NDF : 243332.0/18

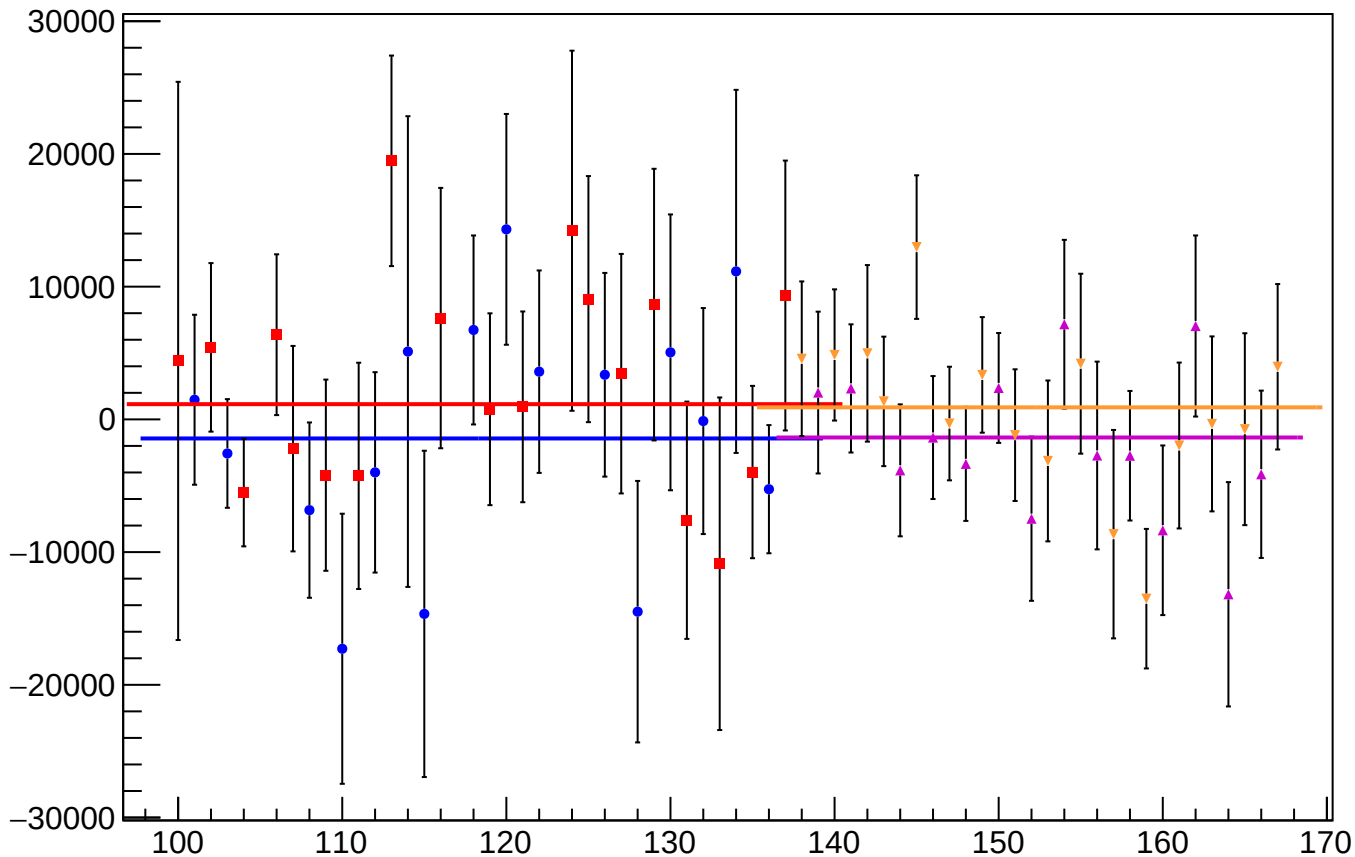
Left In: 1544.230+/-0.322 χ^2/NDF : 28681.1/13

+ sign 1568.099+/-0.250 χ^2/NDF : 368690.9/31

All: 1562.222+/-0.178 χ^2/NDF : 645481.0/64

- sign 1556.150+/-0.254 χ^2/NDF : 275664.7/32

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362 ± 1848.324 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 906.508 ± 1397.456 $\chi^2/\text{NDF}: 17.2/15$

Right Out: 1146.174 ± 1765.384 $\chi^2/\text{NDF}: 16.3/18$

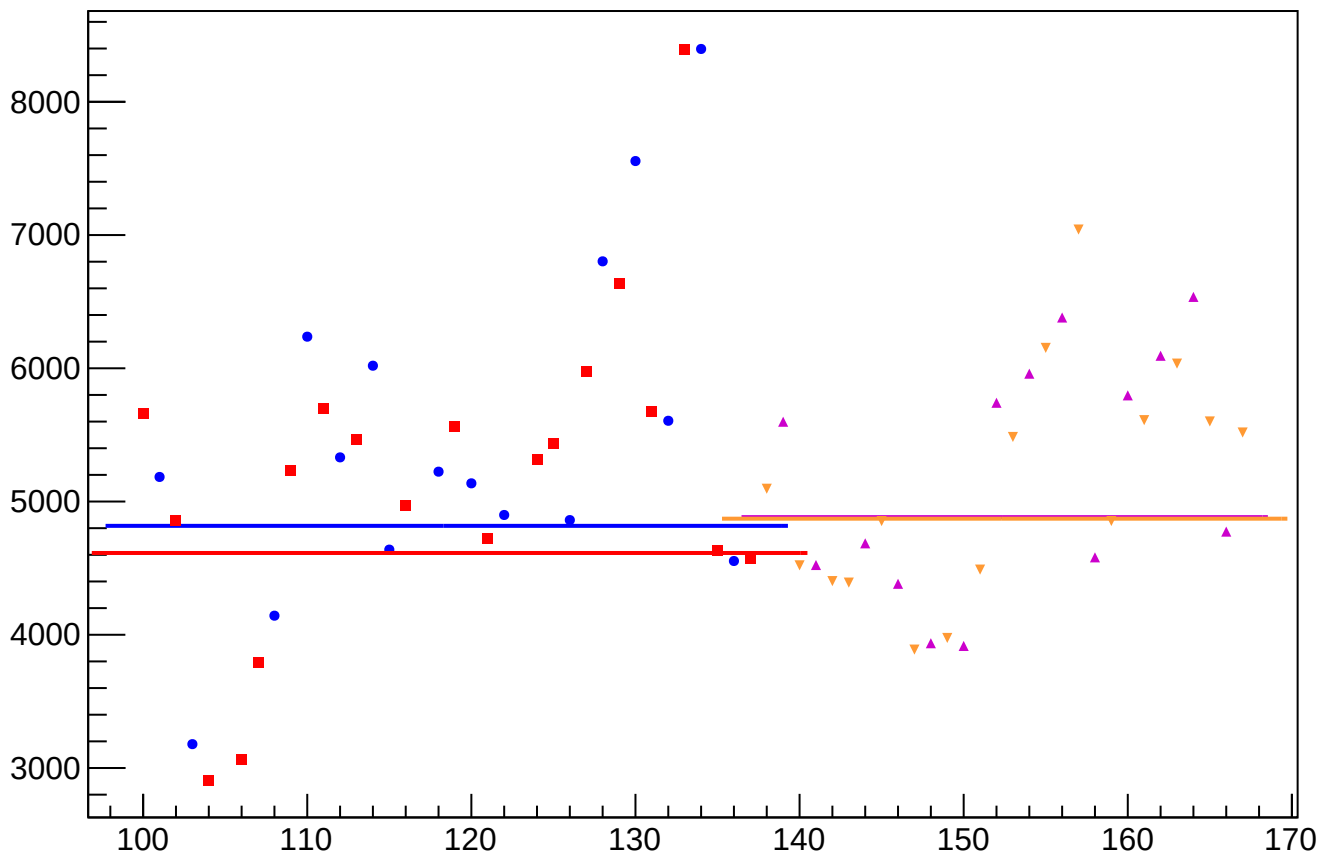
Left In: -1364.708 ± 1462.701 $\chi^2/\text{NDF}: 9.9/13$

+ sign 53.994 ± 1114.711 $\chi^2/\text{NDF}: 32.1/31$

All: -142.272 ± 792.294 $\chi^2/\text{NDF}: 59.5/64$

- sign -342.650 ± 1126.325 $\chi^2/\text{NDF}: 27.4/32$

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF : 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF : 621257.2/15

Right Out: 4613.851+/-1.248 χ^2/NDF : 977958.2/18

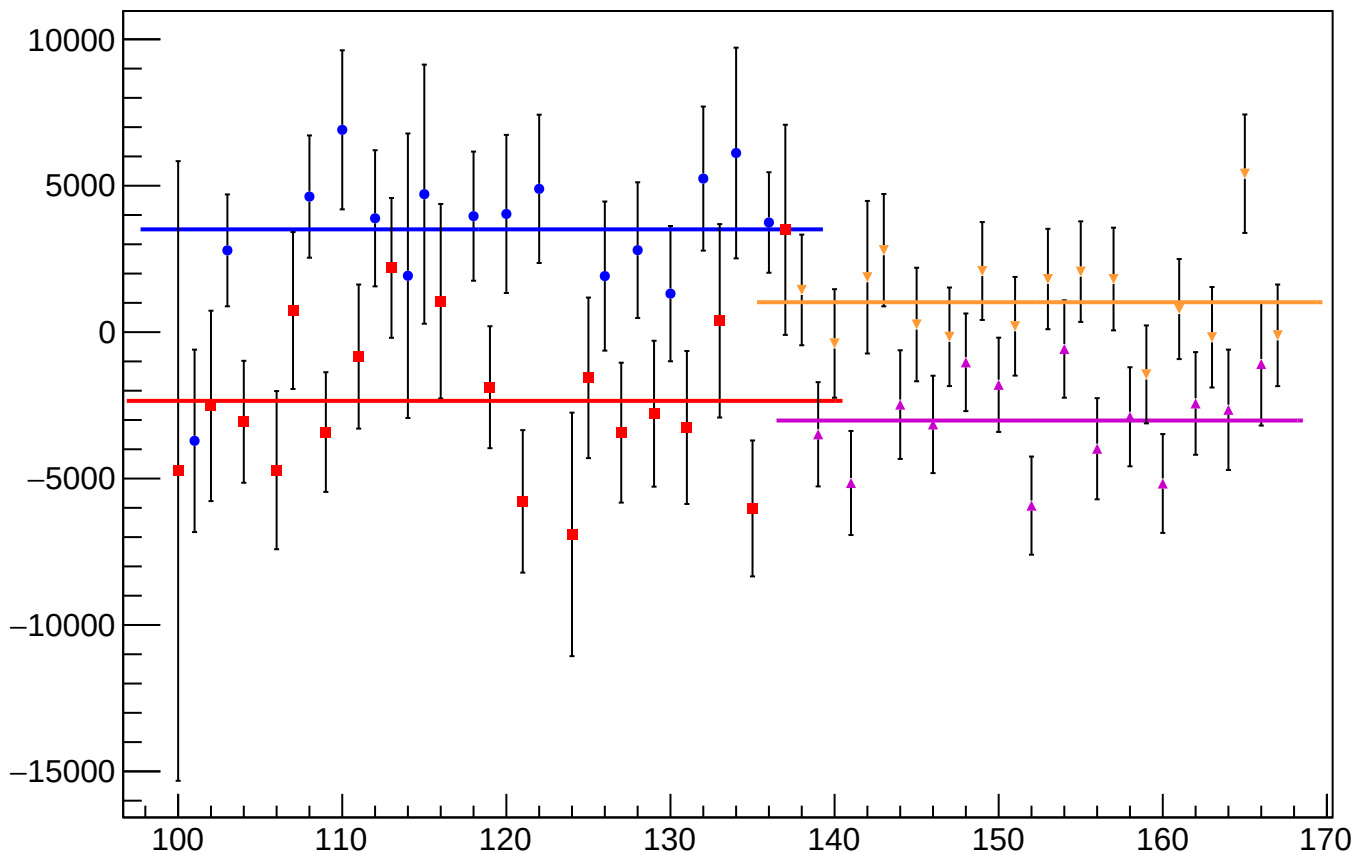
Left In: 4883.111+/-1.034 χ^2/NDF : 645562.9/13

+ sign 4851.715+/-0.788 χ^2/NDF : 1417568.9/31

All: 4813.017+/-0.560 χ^2/NDF : 3073548.8/64

- sign 4773.508+/-0.796 χ^2/NDF : 1651108.6/32

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 1021.613 $\pm$ 449.873 χ^2 /NDF:11.5/15

Right Out: -2346.859 $\pm$ 607.502 χ^2 /NDF: 17.1/18

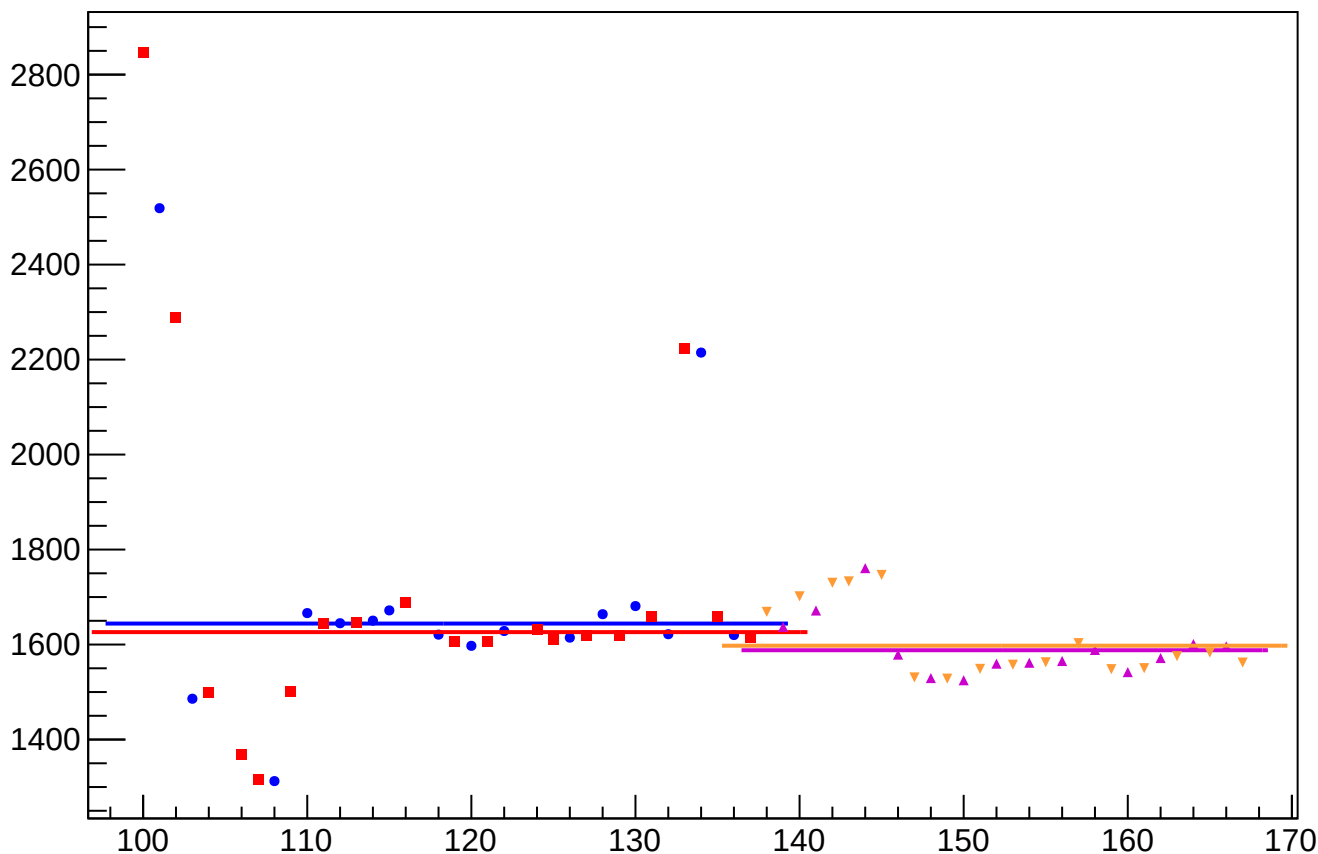
Left In: -3018.409 $\pm$ 467.682 χ^2 /NDF:11.7/13

+ sign 1885.668 $\pm$ 363.451 χ^2 /NDF: 32.5/31

All: -396.187 $\pm$ 259.484 χ^2 /NDF: 142.4/64

- sign -2768.512 $\pm$ 370.586 χ^2 /NDF: 29.6/32

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 $\pm$ 0.436 χ^2 /NDF: 274817.9/15

Left Out: 1597.590 $\pm$ 0.318 χ^2 /NDF: 50845.2/15

Right Out: 1626.174 $\pm$ 0.429 χ^2 /NDF: 237639.1/18

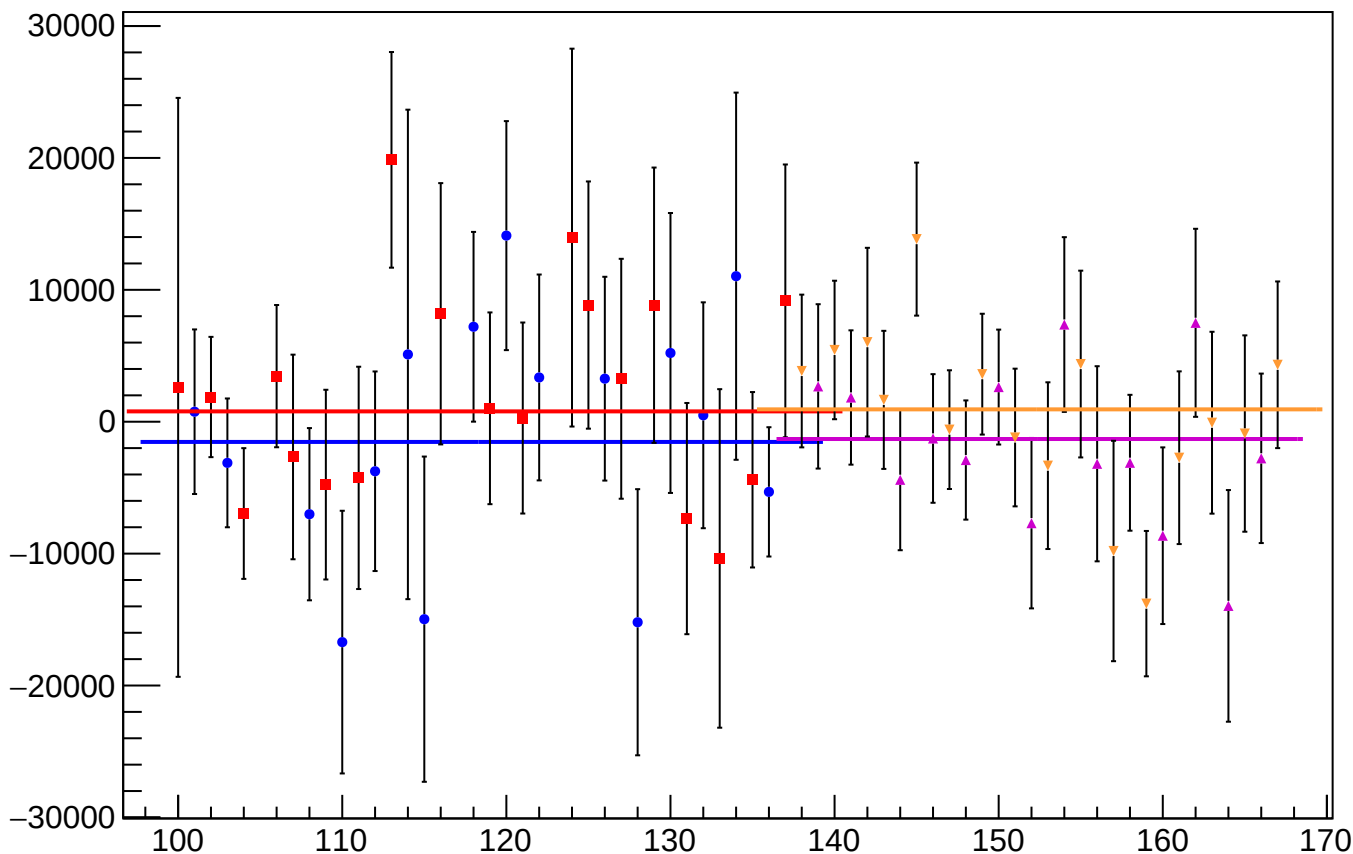
Left In: 1588.025 $\pm$ 0.331 χ^2 /NDF: 32115.3/13

+ sign 1613.777 $\pm$ 0.257 χ^2 /NDF: 333118.8/31

All: 1608.117 $\pm$ 0.183 χ^2 /NDF: 608819.8/64

- sign 1602.237 $\pm$ 0.262 χ^2 /NDF: 274712.0/32

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110 ± 1913.799 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 937.499 ± 1465.962 $\chi^2/\text{NDF}: 17.3/15$

Right Out: 784.235 ± 1748.566 $\chi^2/\text{NDF}: 15.0/18$

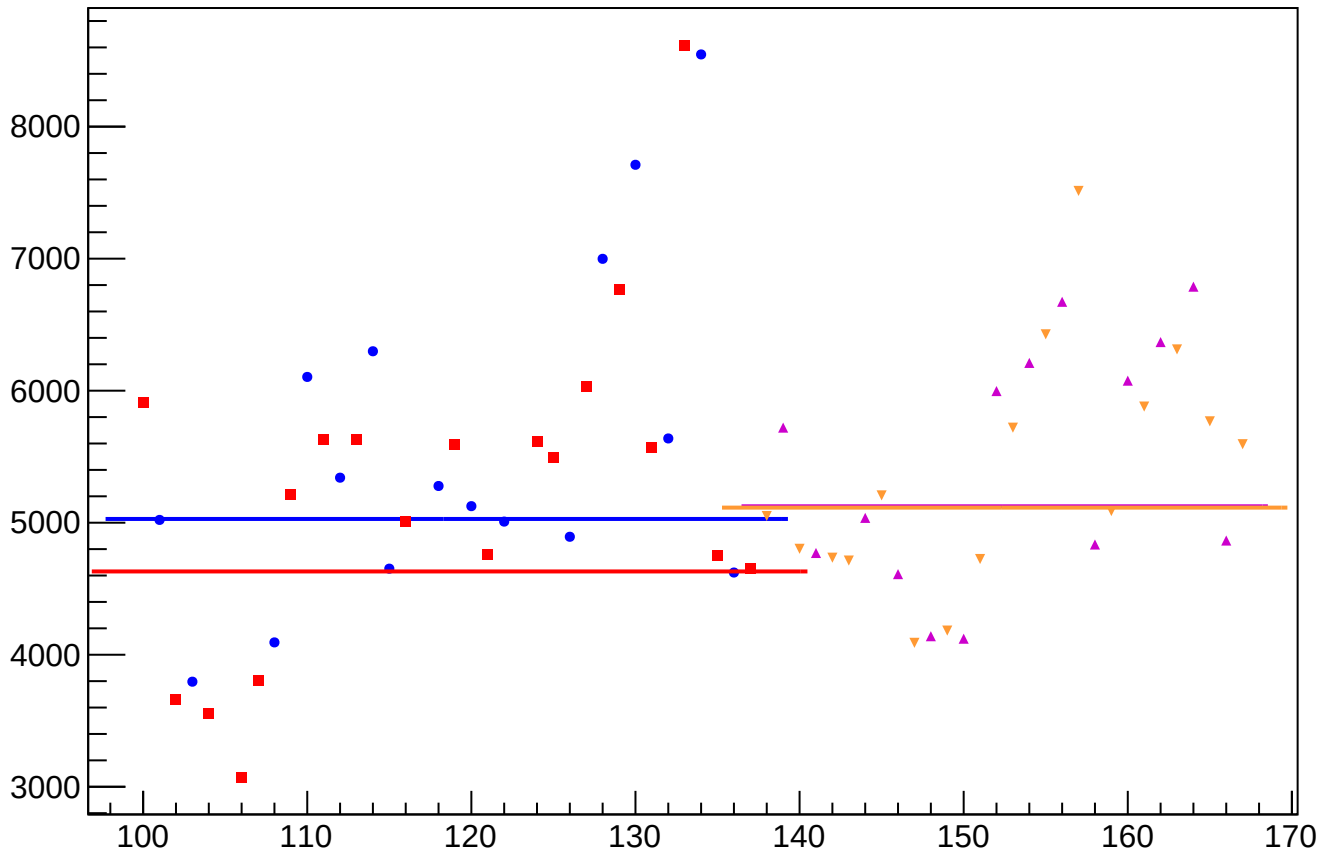
Left In: -1310.191 ± 1533.912 $\chi^2/\text{NDF}: 9.8/13$

+ sign 24.285 ± 1163.774 $\chi^2/\text{NDF}: 32.2/31$

All: -189.487 ± 819.115 $\chi^2/\text{NDF}: 57.9/64$

- sign -399.357 ± 1153.106 $\chi^2/\text{NDF}: 25.7/32$

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF : 565469.4/15

Left Out: 5114.339+/-1.037 χ^2/NDF : 589266.5/15

Right Out: 4630.901+/-1.236 χ^2/NDF : 863515.0/18

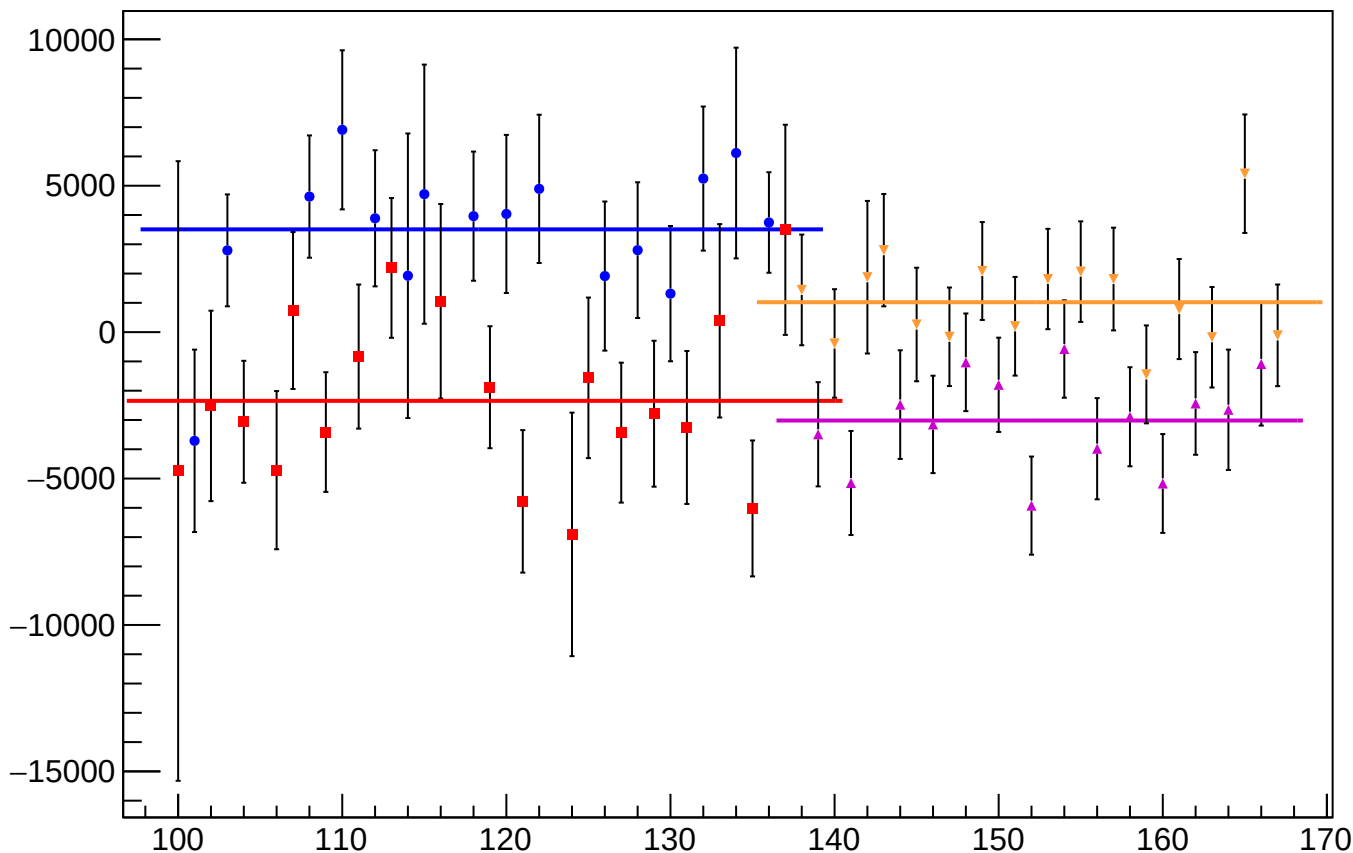
Left In: 5124.509+/-1.085 χ^2/NDF : 612098.0/13

+ sign 5082.579+/-0.823 χ^2/NDF : 1157274.6/31

All: 4995.417+/-0.579 χ^2/NDF : 2745187.7/64

- sign 4909.846+/-0.815 χ^2/NDF : 1565680.4/32

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 1021.602 $\pm$ 449.874 χ^2 /NDF:11.5/15

Right Out: -2346.865 $\pm$ 607.502 χ^2 /NDF: 17.1/18

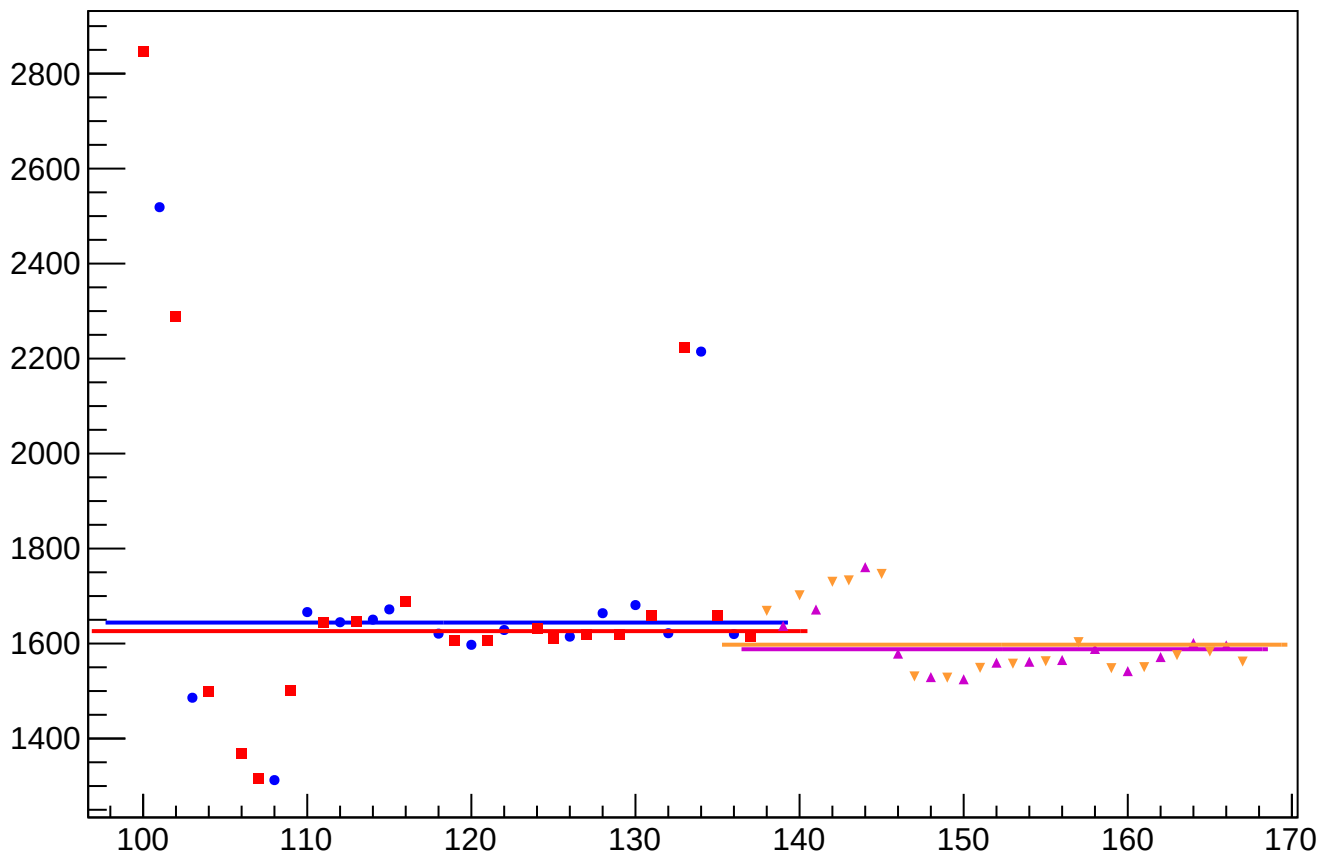
Left In: -3018.413 $\pm$ 467.682 χ^2 /NDF:11.7/13

+ sign 1885.663 $\pm$ 363.451 χ^2 /NDF: 32.5/31

All: -396.191 $\pm$ 259.485 χ^2 /NDF: 142.4/64

- sign -2768.516 $\pm$ 370.586 χ^2 /NDF: 29.6/32

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 $\pm$ 0.436 χ^2 /NDF: 274818.1/15

Left Out: 1597.591 $\pm$ 0.318 χ^2 /NDF: 50845.2/15

Right Out: 1626.174 $\pm$ 0.429 χ^2 /NDF: 237638.8/18

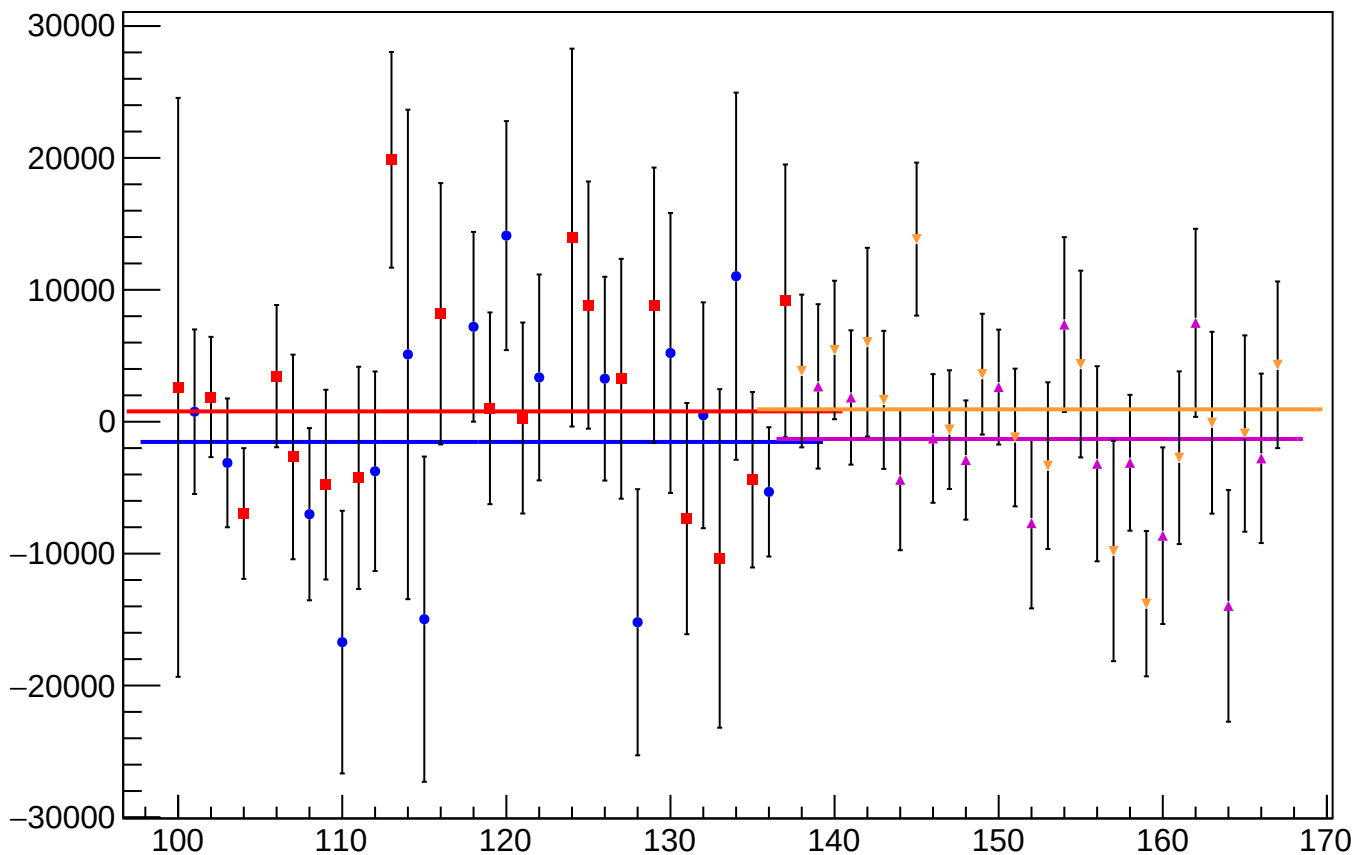
Left In: 1588.026 $\pm$ 0.331 χ^2 /NDF: 32115.2/13

+ sign 1613.778 $\pm$ 0.257 χ^2 /NDF: 333118.2/31

All: 1608.118 $\pm$ 0.183 χ^2 /NDF: 608818.3/64

- sign 1602.237 $\pm$ 0.262 χ^2 /NDF: 274711.1/32

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095 $\pm$ 1913.796 χ^2 /NDF: 13.9/15

Left Out: 937.494 $\pm$ 1465.965 χ^2 /NDF:17.3/15

Right Out: 784.236 $\pm$ 1748.563 χ^2 /NDF: 15.0/18

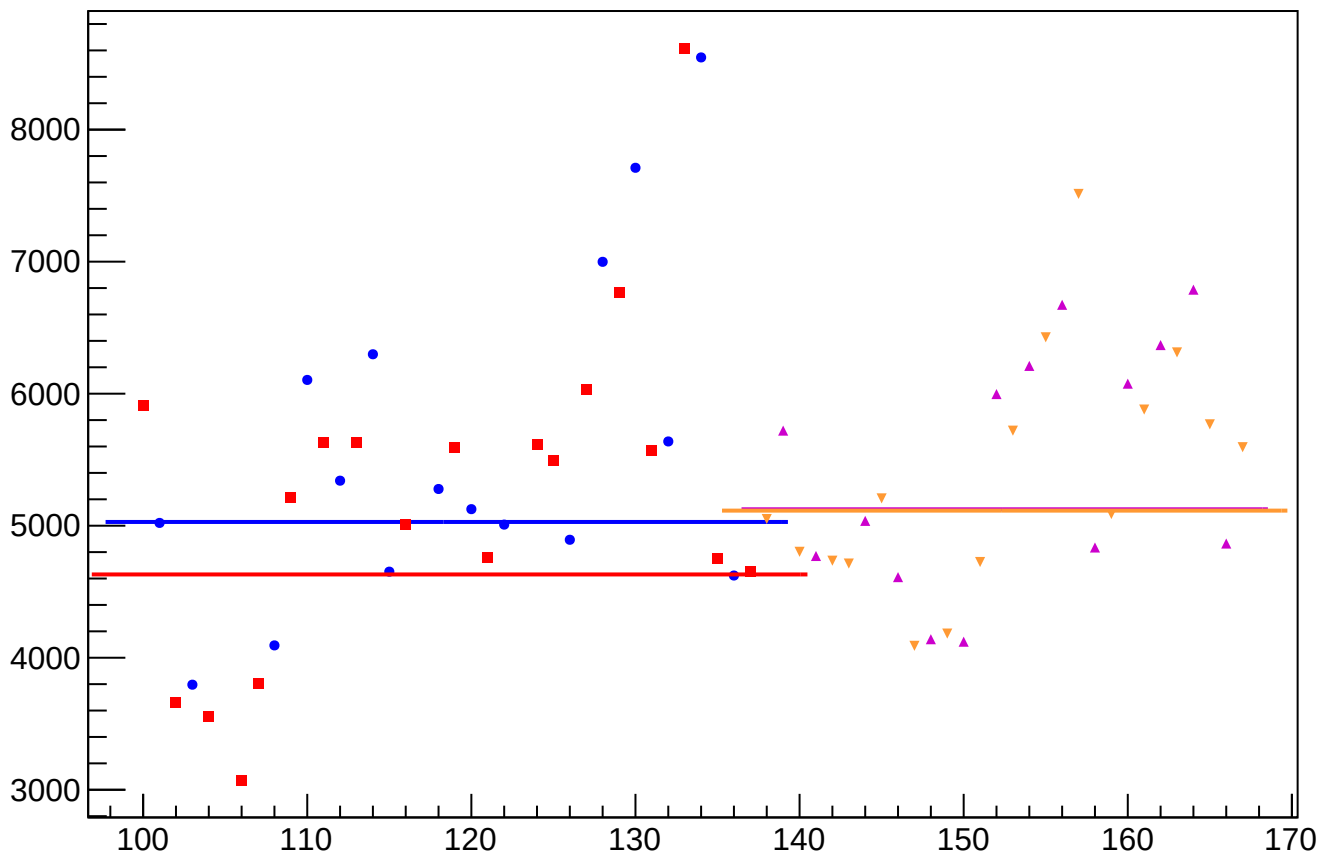
Left In: -1310.190 $\pm$ 1533.915 χ^2 /NDF:9.8/13

+ sign 24.283 $\pm$ 1163.775 χ^2 /NDF: 32.2/31

All: -189.486 $\pm$ 819.115 χ^2 /NDF: 57.9/64

- sign -399.353 $\pm$ 1153.106 χ^2 /NDF: 25.7/32

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF : 565463.1/15

Left Out: 5114.348+/-1.037 χ^2/NDF : 589268.1/15

Right Out: 4630.895+/-1.236 χ^2/NDF : 863509.0/18

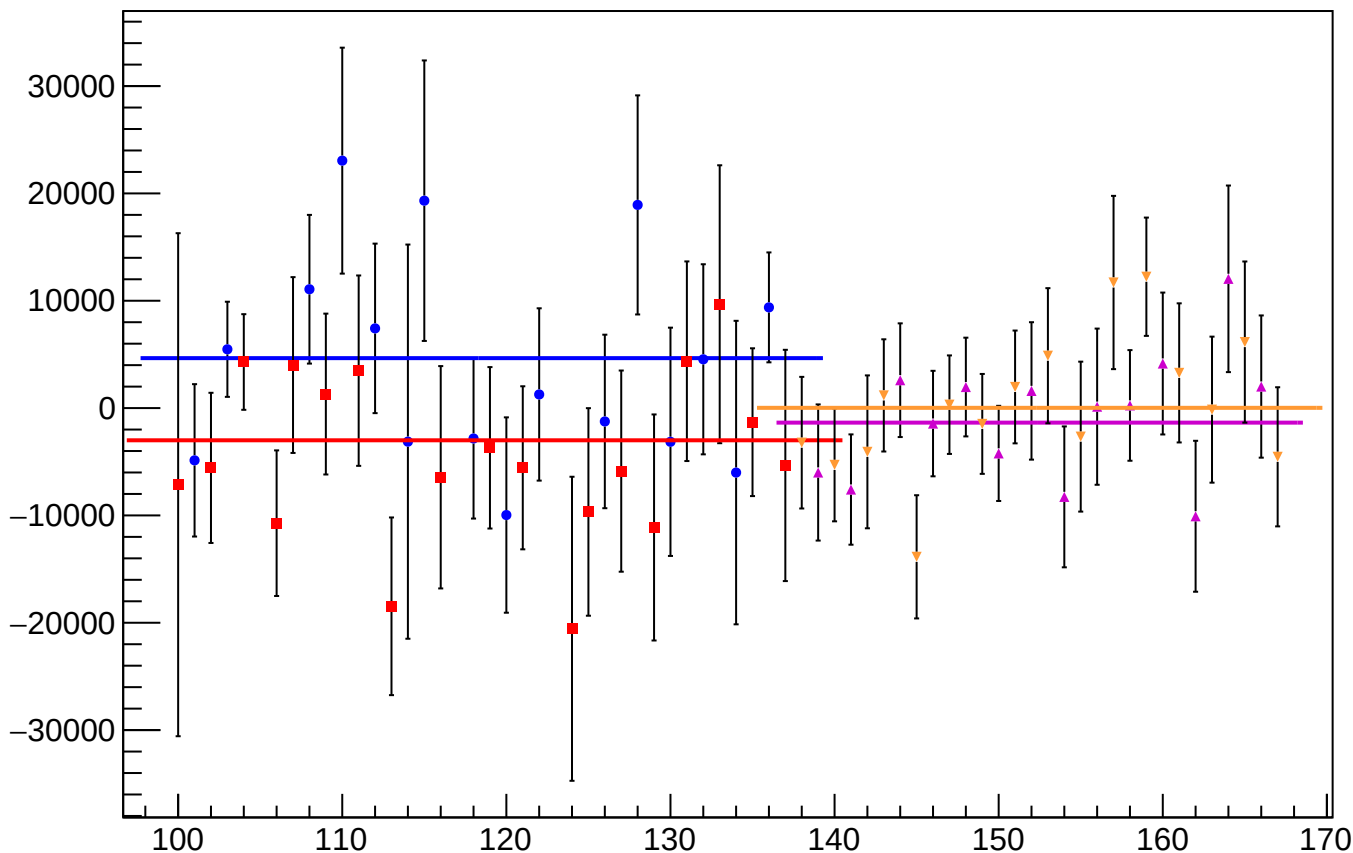
Left In: 5124.518+/-1.085 χ^2/NDF : 612098.6/13

+ sign 5082.582+/-0.823 χ^2/NDF : 1157270.9/31

All: 4995.420+/-0.579 χ^2/NDF : 2745184.5/64

- sign 4909.848+/-0.815 χ^2/NDF : 1565680.5/32

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF : 15.5/15

Left Out: 23.222+/-1474.010 χ^2/NDF : 16.9/15

Right Out: -3000.980+/-1882.821 χ^2/NDF : 13.9/18

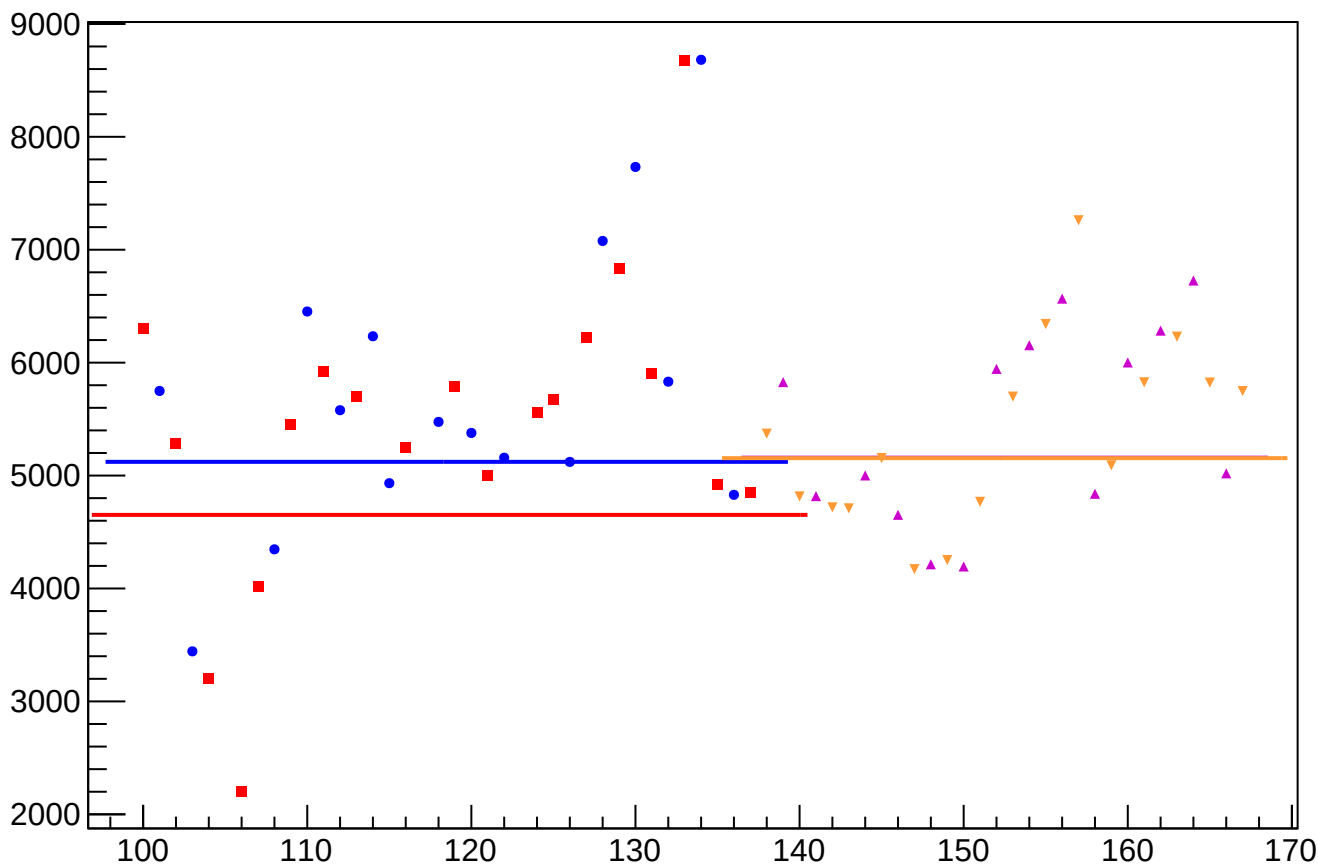
Left In: -1355.499+/-1540.762 χ^2/NDF : 9.8/13

+ sign 1697.450+/-1177.723 χ^2/NDF : 36.0/31

All: -136.015+/-837.917 χ^2/NDF : 65.1/64

- sign -2015.460+/-1192.399 χ^2/NDF : 24.2/32

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF : 720370.1/15

Left Out: 5154.202+/-1.042 χ^2/NDF : 524220.3/15

Right Out: 4651.727+/-1.280 χ^2/NDF : 1344868.0/18

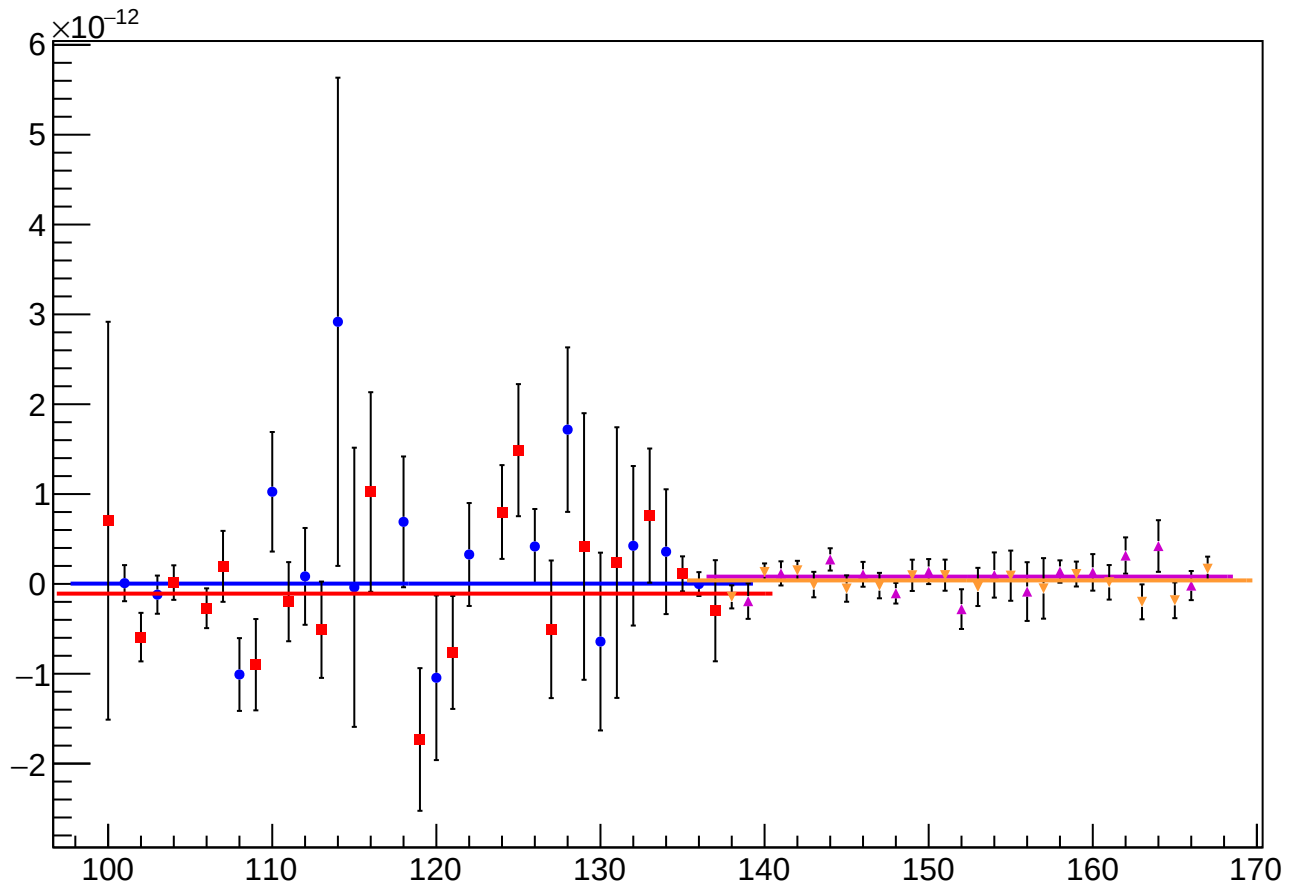
Left In: 5158.635+/-1.089 χ^2/NDF : 541411.3/13

+ sign 5142.429+/-0.833 χ^2/NDF : 1244943.2/31

All: 5043.728+/-0.588 χ^2/NDF : 3250131.1/64

- sign 4945.745+/-0.830 χ^2/NDF : 1977195.8/32

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: 9.1/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/18

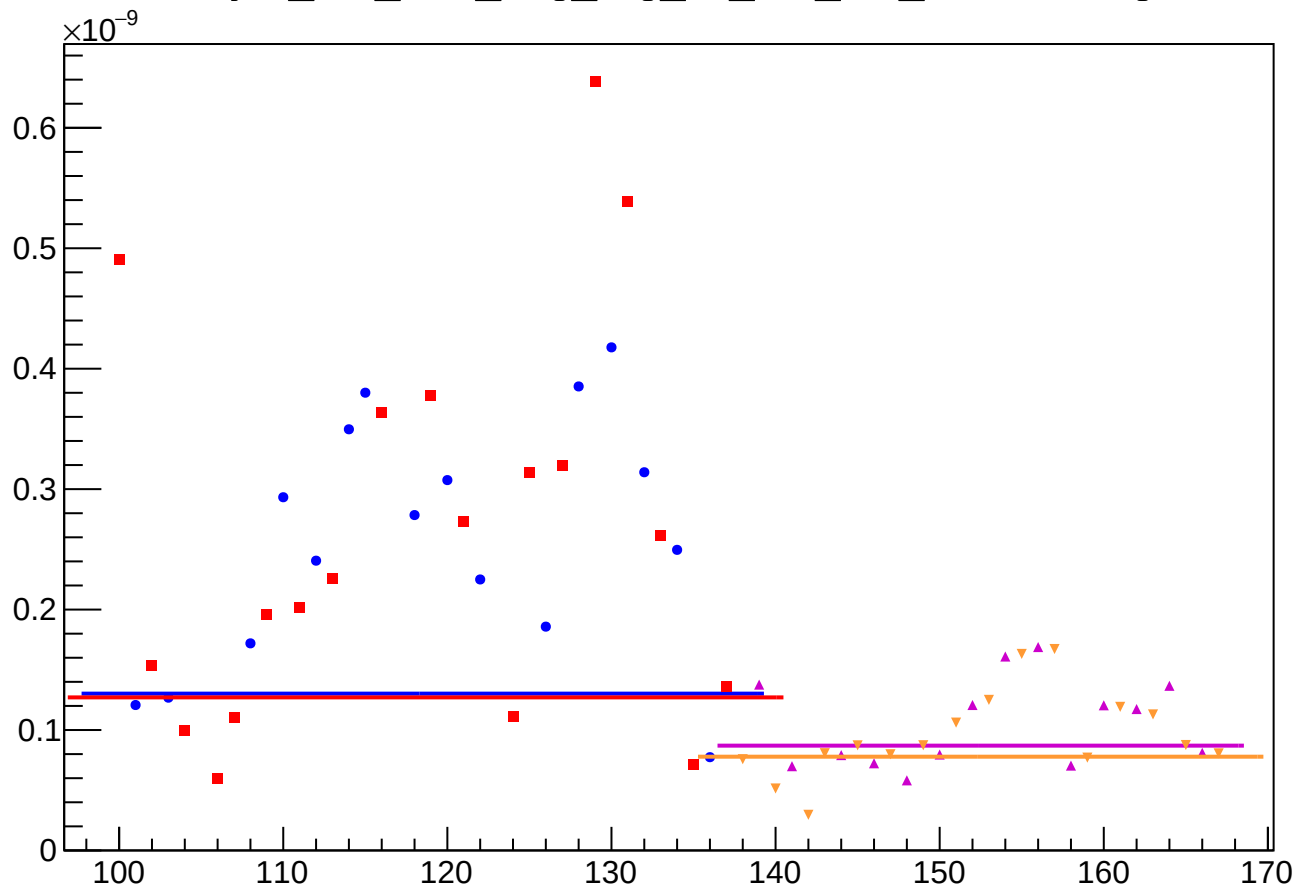
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.6/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/32

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 : 1222685.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1734331.2/18

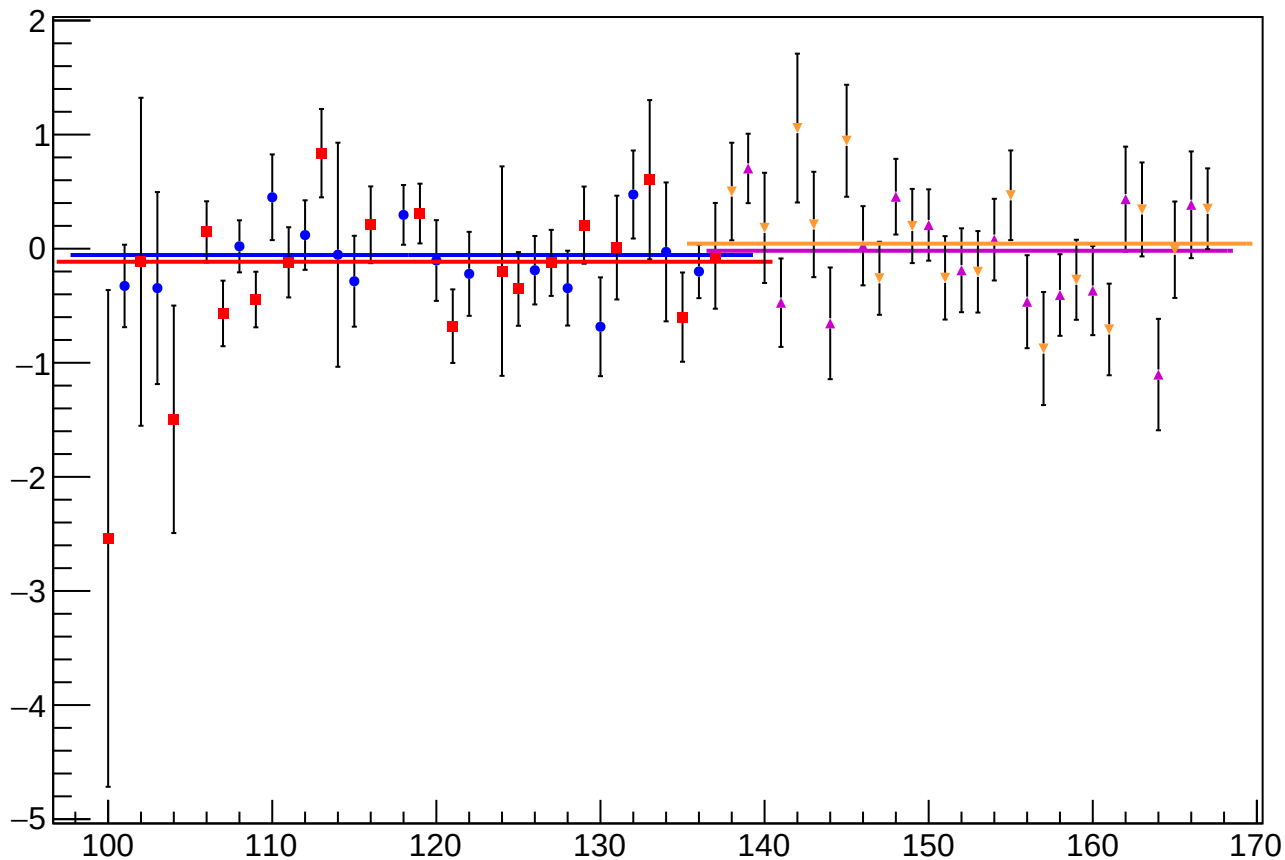
Left In: 0.000+/-0.000 χ^2/NDF : 868692.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 3167122.3/31

All: 0.000+/-0.000 χ^2/NDF : 6145837.5/64

- sign 0.000+/-0.000 χ^2/NDF : 2927392.2/32

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: 0.044 ± 0.100 χ^2/NDF : 19.6/15

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

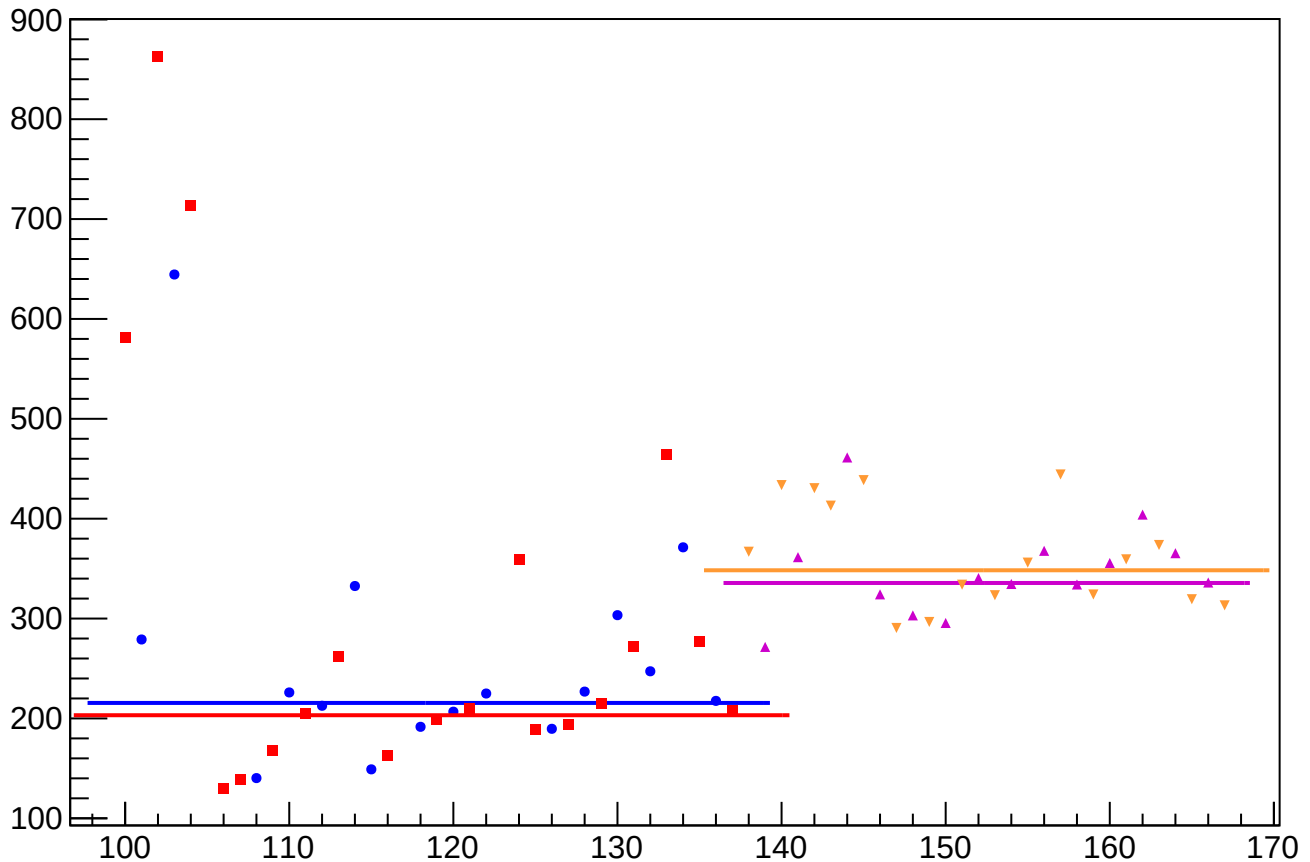
Left In: -0.018 ± 0.101 χ^2/NDF : 21.4/13

+ sign -0.013 ± 0.065 χ^2/NDF : 30.9/31

All: -0.045 ± 0.046 χ^2/NDF : 78.5/64

- sign -0.075 ± 0.064 χ^2/NDF : 47.2/32

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519 $\pm$ 0.060 χ^2 /NDF: 1148727.3/15

Left Out: 348.337 $\pm$ 0.071 χ^2 /NDF: 457008.1/15

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 1835552.6/18

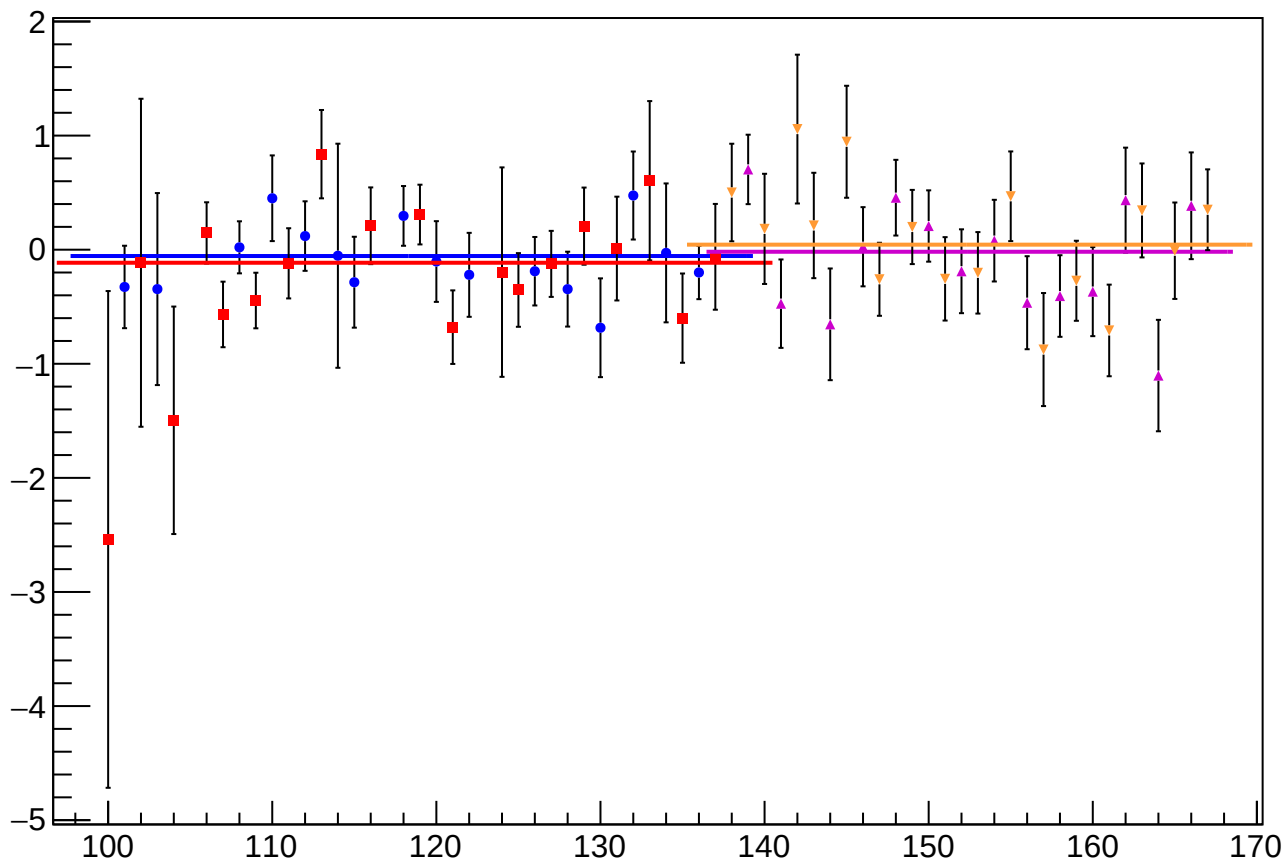
Left In: 335.623 $\pm$ 0.071 χ^2 /NDF: 353297.0/13

+ sign 271.539 $\pm$ 0.046 χ^2 /NDF: 3642792.1/31

All: 264.105 $\pm$ 0.032 χ^2 /NDF: 7935043.0/64

- sign 256.856 $\pm$ 0.045 χ^2 /NDF: 4240574.5/32

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: 0.044 ± 0.100 χ^2/NDF : 19.6/15

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

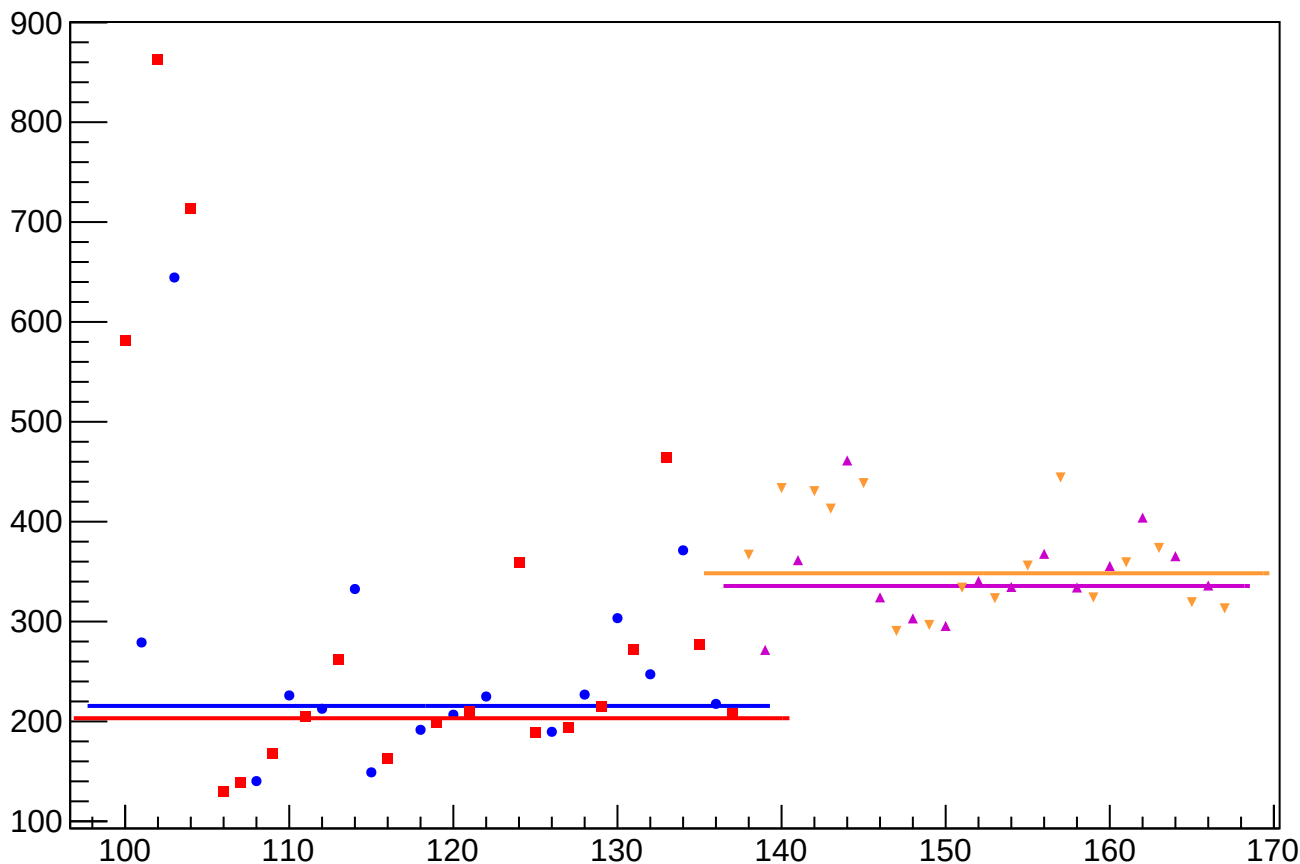
Left In: -0.018 ± 0.101 χ^2/NDF : 21.4/13

+ sign -0.013 ± 0.065 χ^2/NDF : 30.9/31

All: -0.045 ± 0.046 χ^2/NDF : 78.5/64

- sign -0.075 ± 0.064 χ^2/NDF : 47.2/32

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: 348.337 $\pm$ 0.071 χ^2 /NDF: 457008.1/15

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 1835552.6/18

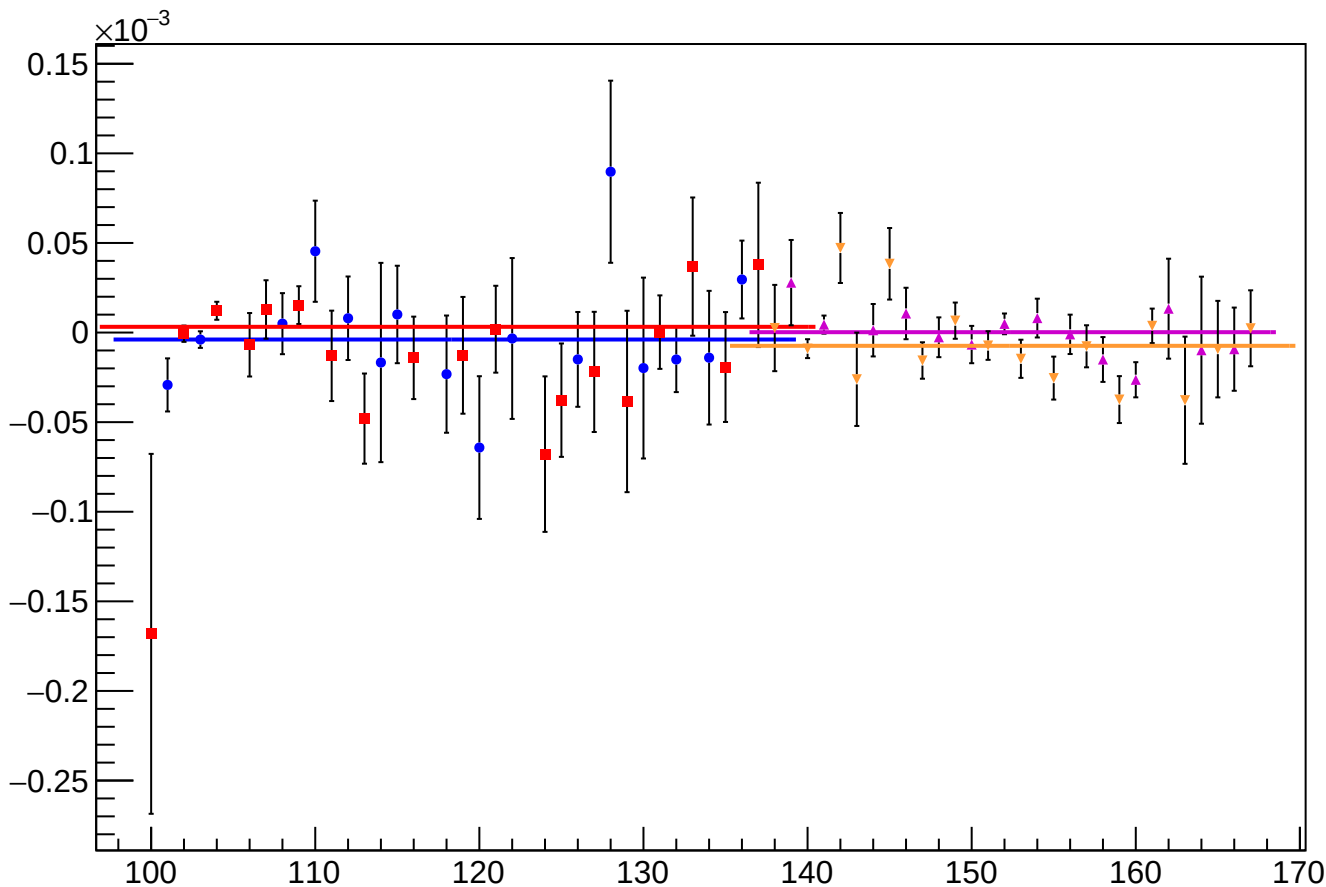
Left In: 335.623 $\pm$ 0.071 χ^2 /NDF: 353297.0/13

+ sign 271.539 $\pm$ 0.046 χ^2 /NDF: 3642792.1/31

All: 264.105 $\pm$ 0.032 χ^2 /NDF: 7935043.0/64

- sign 256.856 $\pm$ 0.045 χ^2 /NDF: 4240574.5/32

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 26.7/15

Right Out: 0.000+/-0.000 χ^2 /NDF: 21.6/18

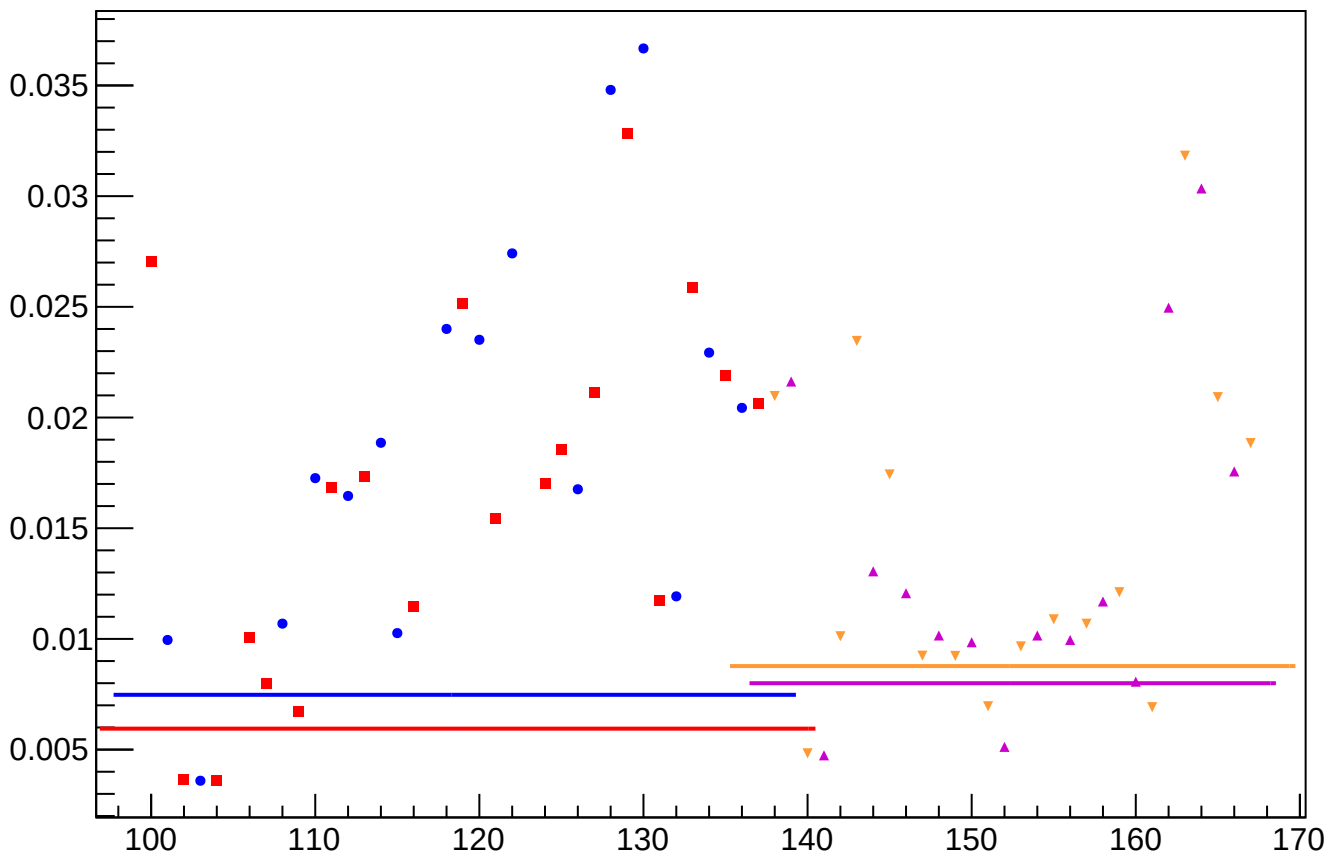
Left In: 0.000+/-0.000 χ^2 /NDF: 13.5/13

+ sign -0.000+/-0.000 χ^2 /NDF: 43.2/31

All: -0.000+/-0.000 χ^2 /NDF: 85.5/64

- sign 0.000+/-0.000 χ^2 /NDF: 35.7/32

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF : 4800233.3/15

Right Out: 0.006+/-0.000 χ^2/NDF : 5934015.2/18

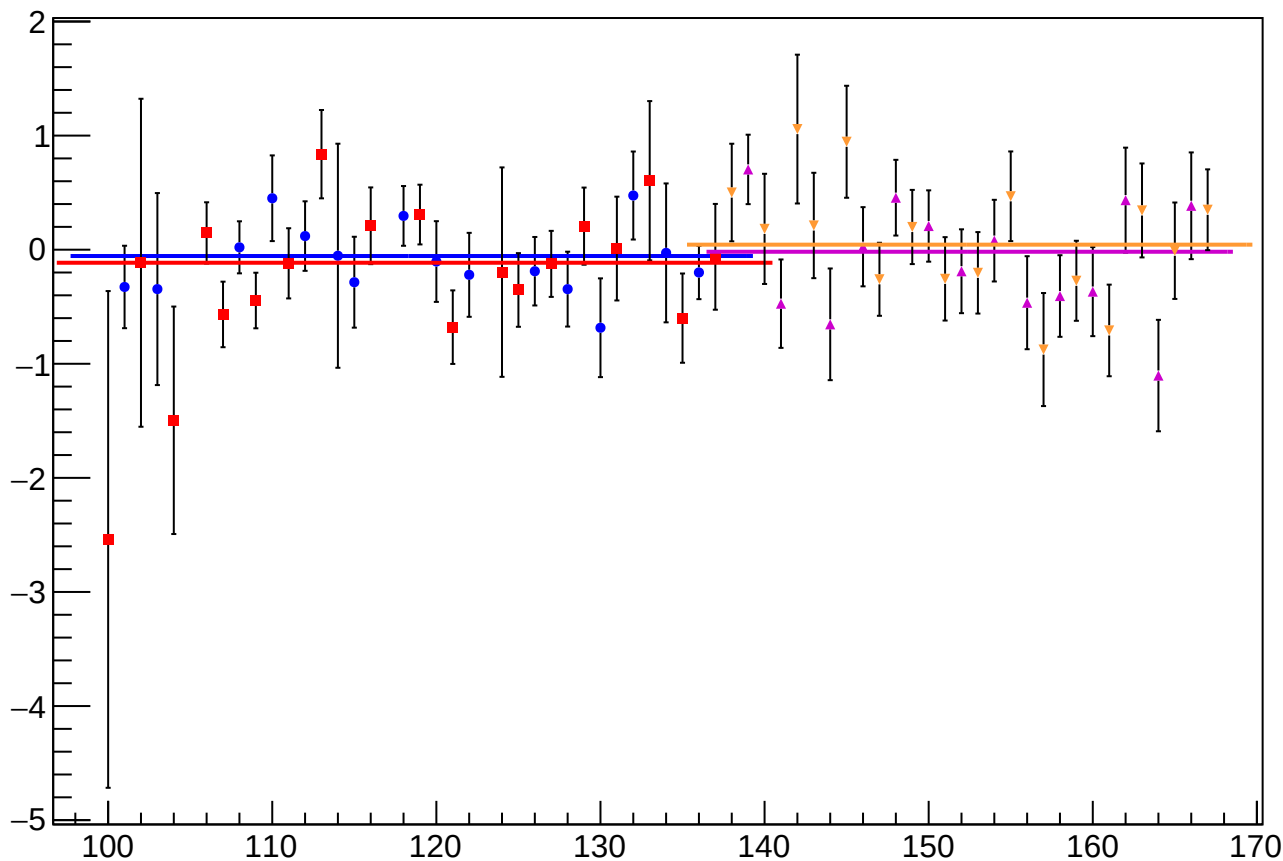
Left In: 0.008+/-0.000 χ^2/NDF : 4509321.5/13

+ sign 0.008+/-0.000 χ^2/NDF : 11026453.0/31

All: 0.008+/-0.000 χ^2/NDF : 22356191.4/64

- sign 0.007+/-0.000 χ^2/NDF : 10976616.2/32

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: 0.044 ± 0.100 χ^2/NDF : 19.6/15

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

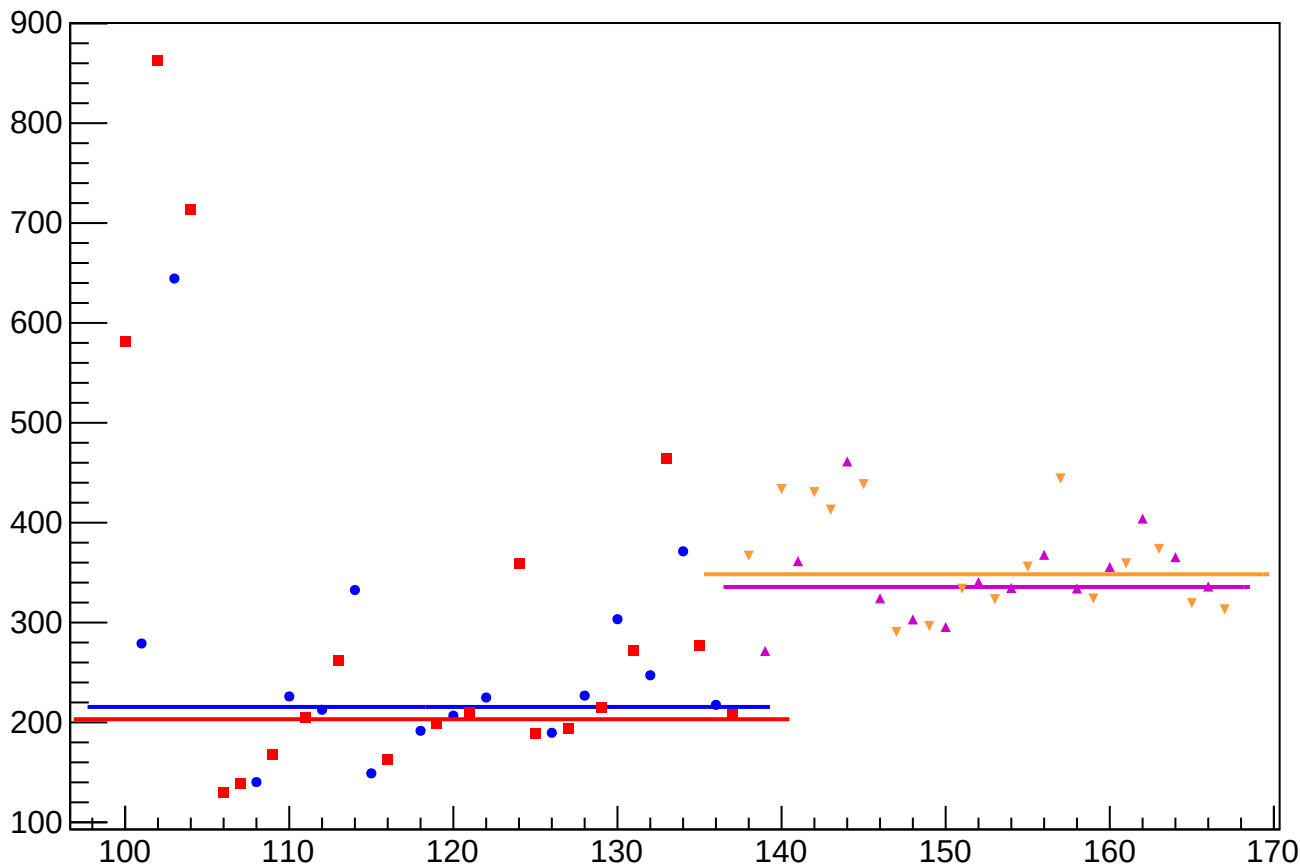
Left In: -0.018 ± 0.101 χ^2/NDF : 21.4/13

+ sign -0.013 ± 0.065 χ^2/NDF : 30.9/31

All: -0.045 ± 0.046 χ^2/NDF : 78.5/64

- sign -0.075 ± 0.064 χ^2/NDF : 47.2/32

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 215.518+/-0.060 χ^2/NDF : 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF : 457001.0/15

Right Out: 203.205+/-0.059 χ^2/NDF : 1835535.5/18

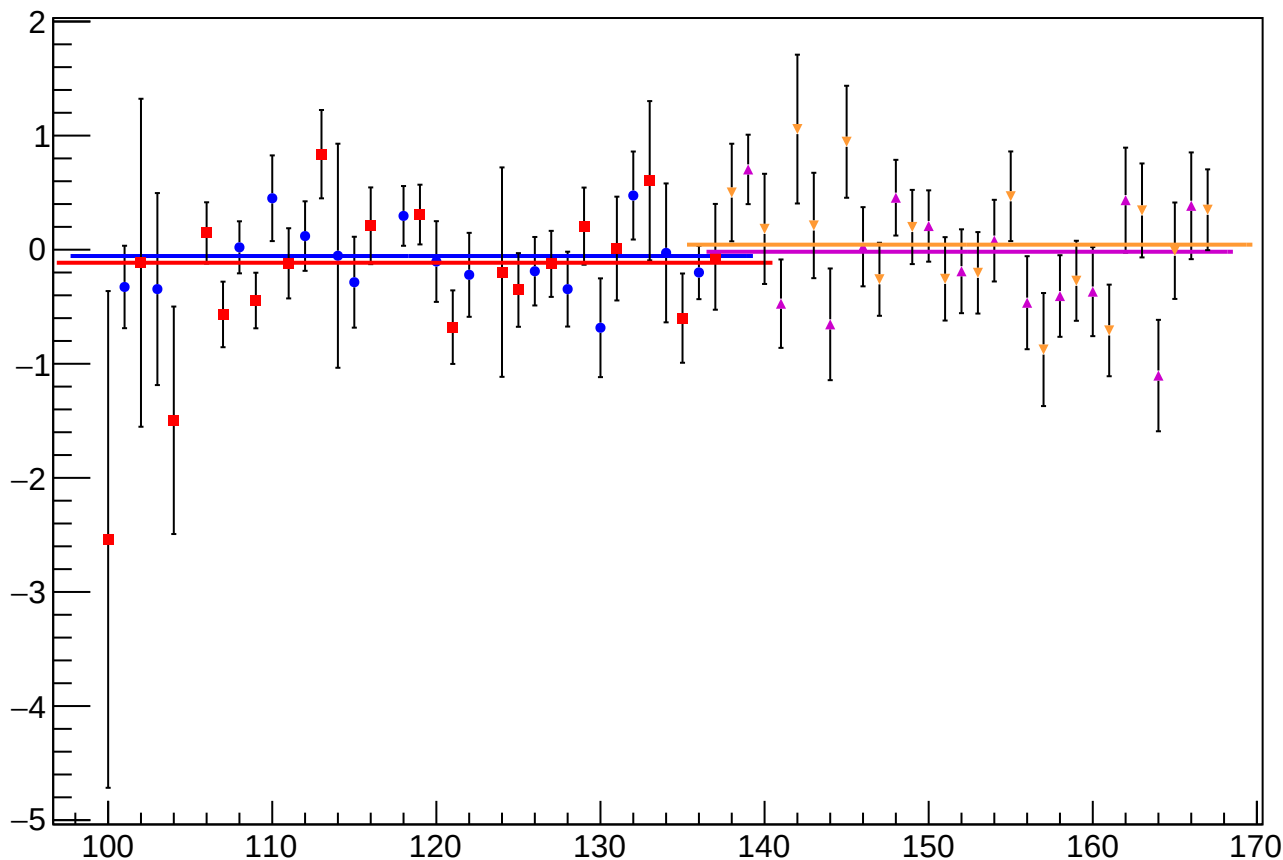
Left In: 335.628+/-0.071 χ^2/NDF : 353296.4/13

+ sign 271.539+/-0.046 χ^2/NDF : 3642953.9/31

All: 264.106+/-0.032 χ^2/NDF : 7935381.1/64

- sign 256.856+/-0.045 χ^2/NDF : 4240747.4/32

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: 0.044 ± 0.100 χ^2/NDF : 19.6/15

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

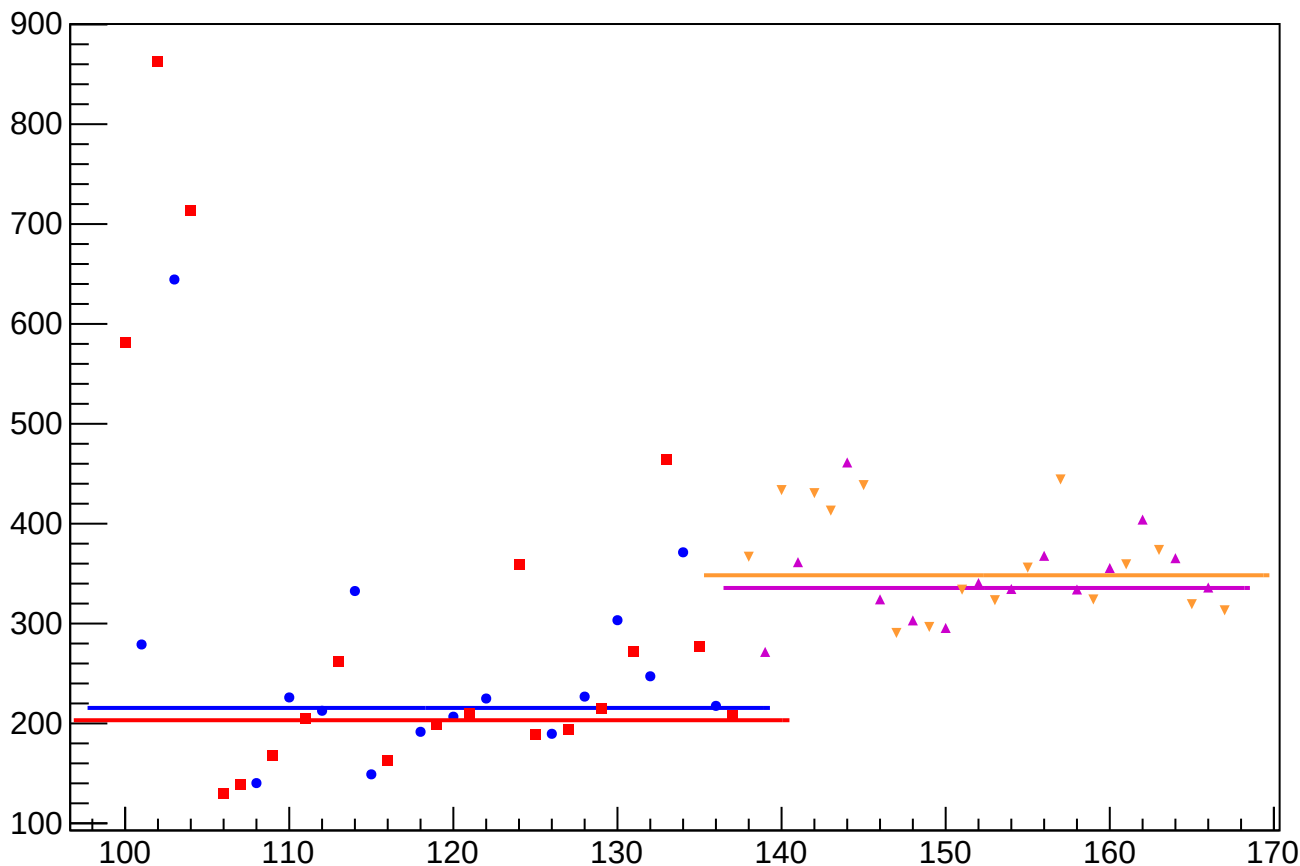
Left In: -0.018 ± 0.101 χ^2/NDF : 21.4/13

+ sign -0.013 ± 0.065 χ^2/NDF : 30.9/31

All: -0.045 ± 0.046 χ^2/NDF : 78.5/64

- sign -0.075 ± 0.064 χ^2/NDF : 47.2/32

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: 348.343 $\pm$ 0.071 χ^2/NDF : 457001.0/15

Right Out: 203.205 $\pm$ 0.059 χ^2/NDF : 1835535.5/18

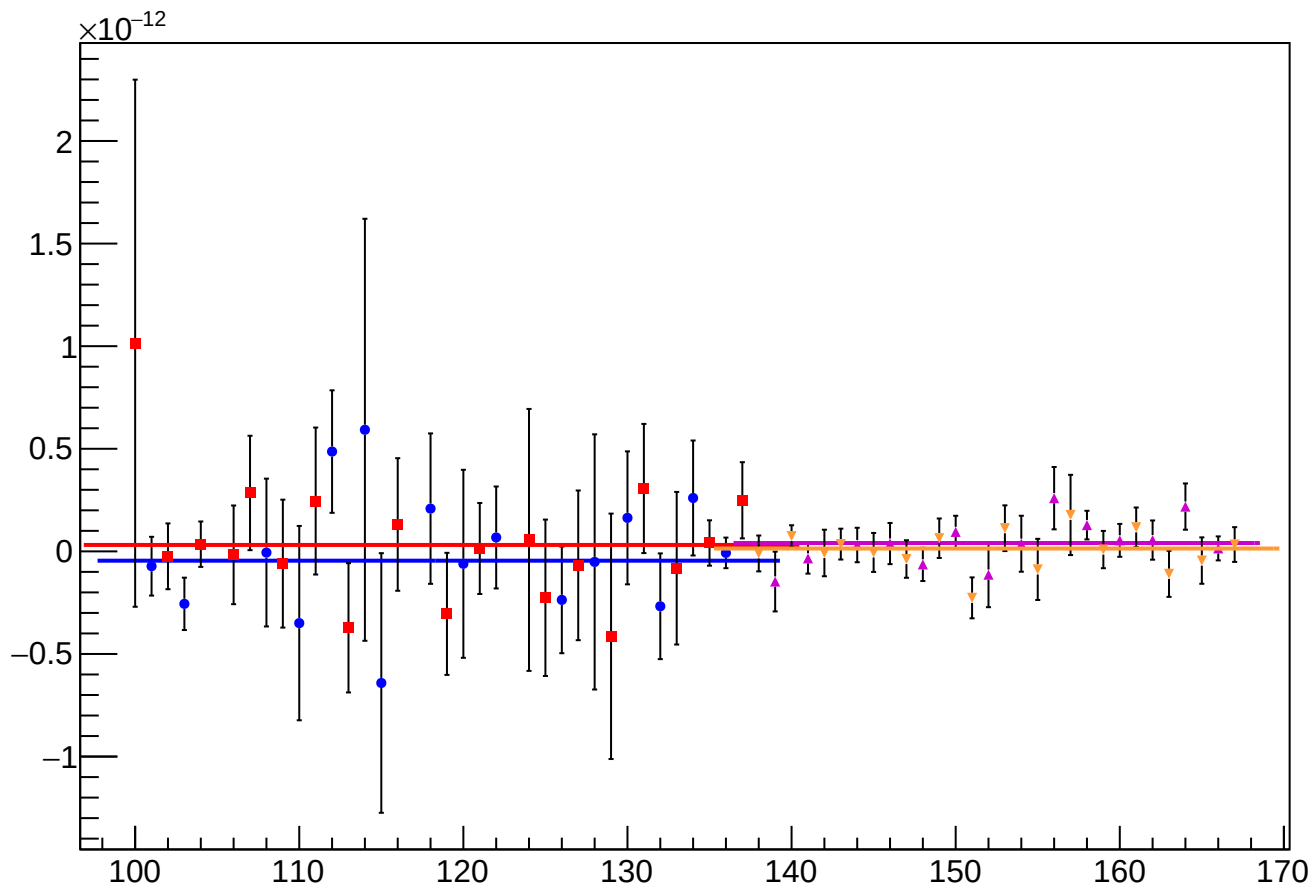
Left In: 335.628 $\pm$ 0.071 χ^2/NDF : 353296.4/13

+ sign 271.539 $\pm$ 0.046 χ^2/NDF : 3642953.9/31

All: 264.106 $\pm$ 0.032 χ^2/NDF : 7935381.1/64

- sign 256.856 $\pm$ 0.045 χ^2/NDF : 4240747.4/32

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 : 12.6/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 8.4/18

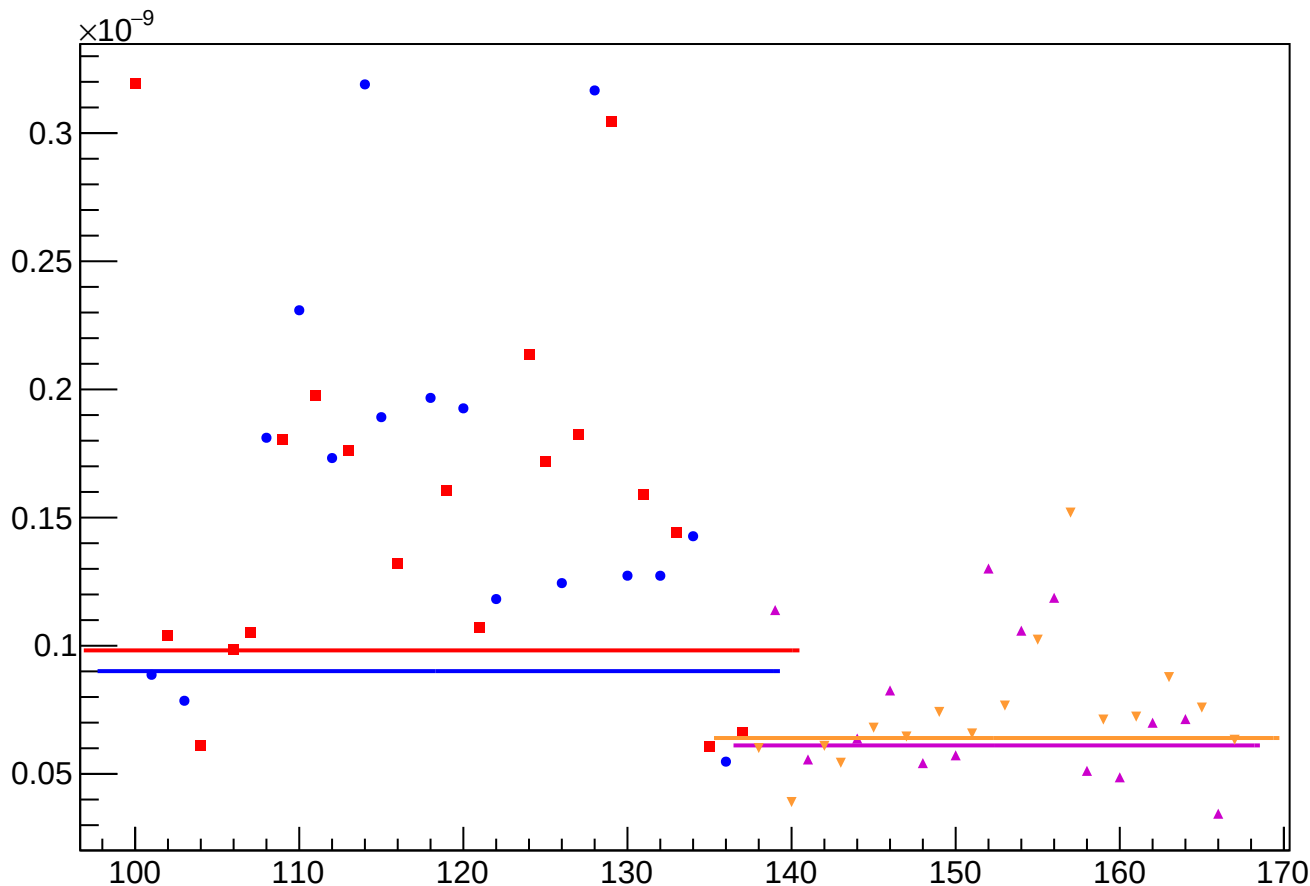
Left In: 0.000 ± 0.000 χ^2/NDF : 12.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 25.2/31

All: 0.000 ± 0.000 χ^2/NDF : 47.1/64

- sign 0.000 ± 0.000 χ^2/NDF : 20.5/32

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 : 1210444.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1694726.3/18

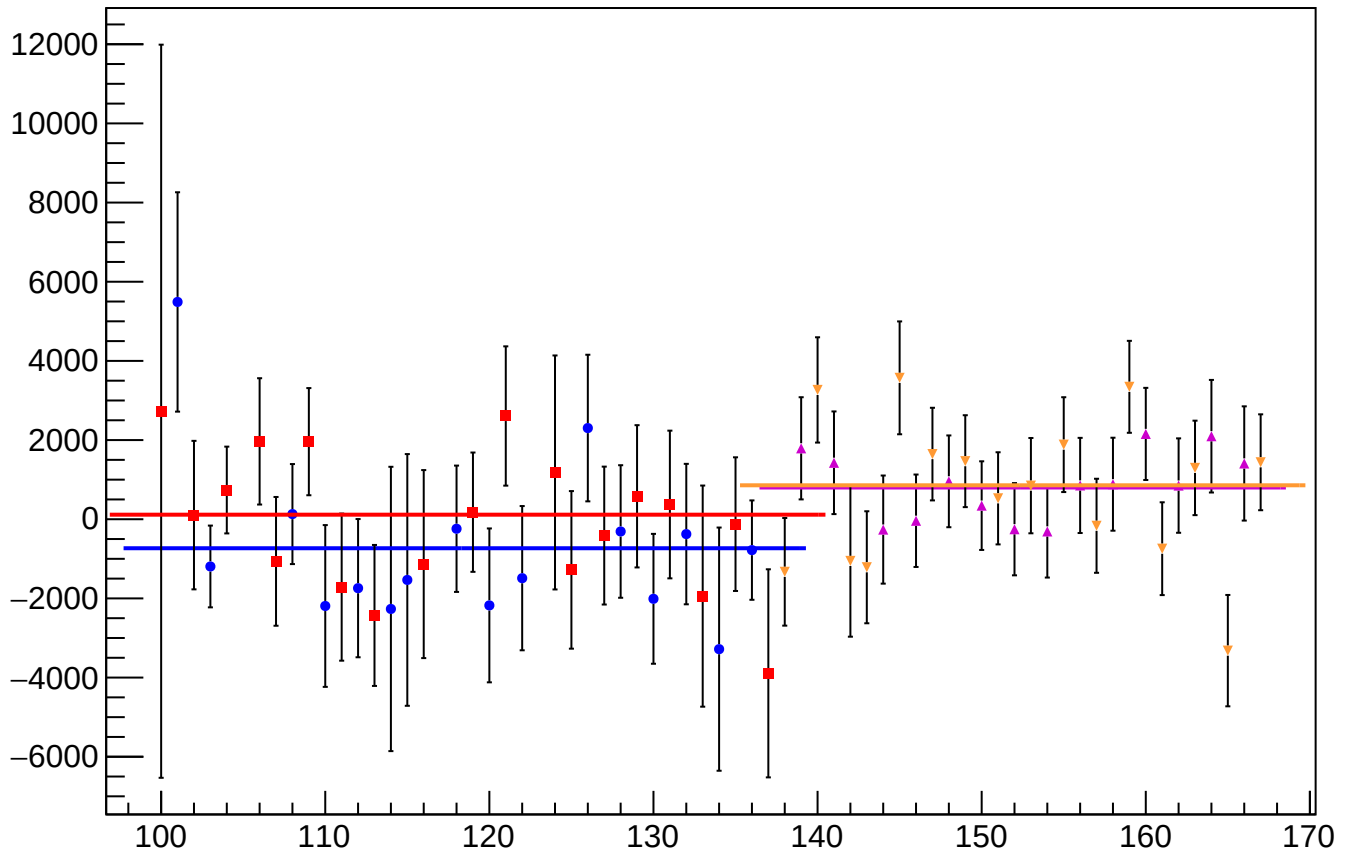
Left In: 0.000+/-0.000 χ^2/NDF : 1806153.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 3467172.6/31

All: 0.000+/-0.000 χ^2/NDF : 7808938.1/64

- sign 0.000+/-0.000 χ^2/NDF : 4339106.0/32

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747 ± 427.384 χ^2/NDF : 11.7/15

Left Out: 857.572 ± 315.672 χ^2/NDF : 30.6/15

Right Out: 115.040 ± 411.437 χ^2/NDF : 13.1/18

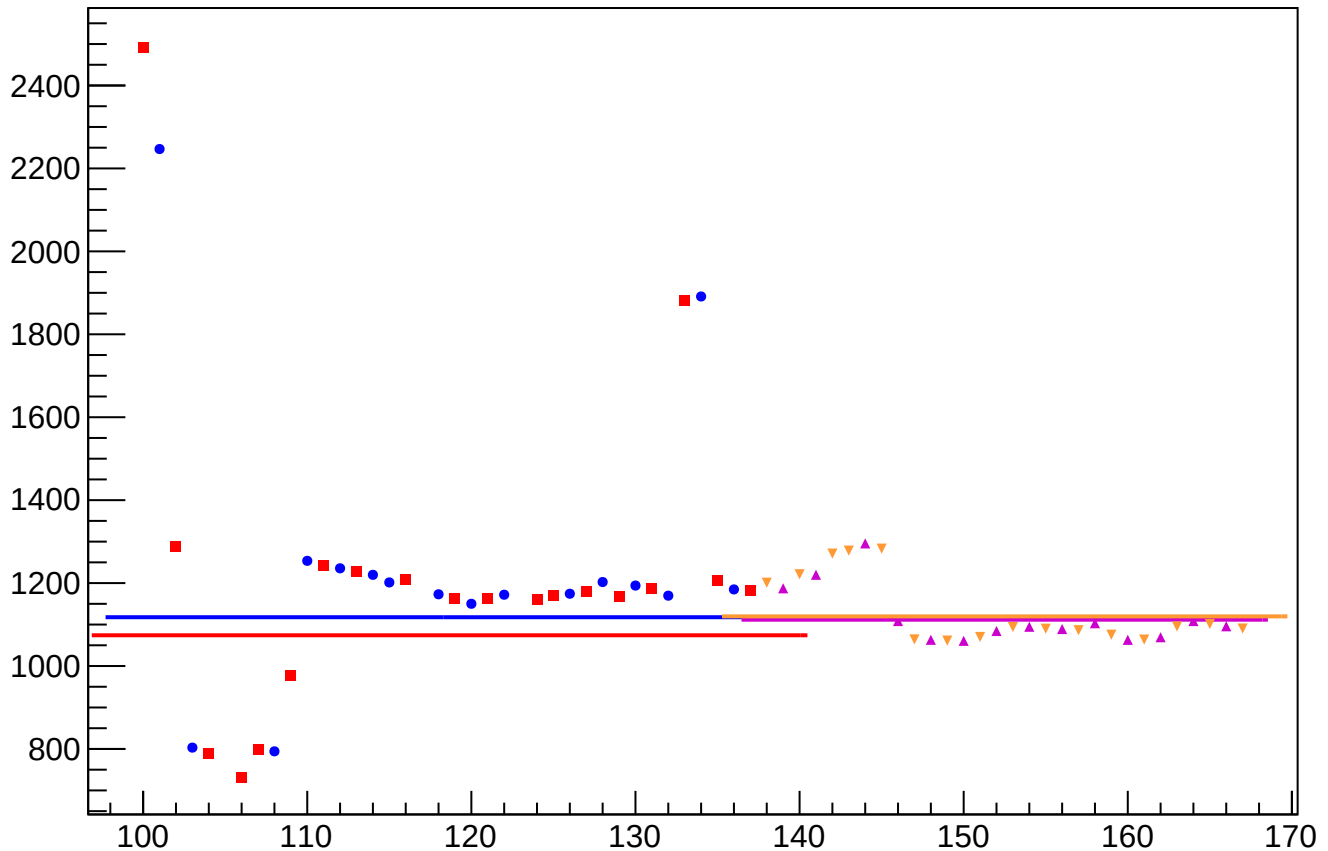
Left In: 801.714 ± 327.694 χ^2/NDF : 6.2/13

+ sign 296.220 ± 253.918 χ^2/NDF : 51.2/31

All: 414.577 ± 180.393 χ^2/NDF : 72.7/64

- sign 535.191 ± 256.328 χ^2/NDF : 21.0/32

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 ± 0.302 χ^2/NDF : 819835.1/15

Left Out: 1119.719 ± 0.223 χ^2/NDF : 109400.6/15

Right Out: 1074.148 ± 0.289 χ^2/NDF : 649508.4/18

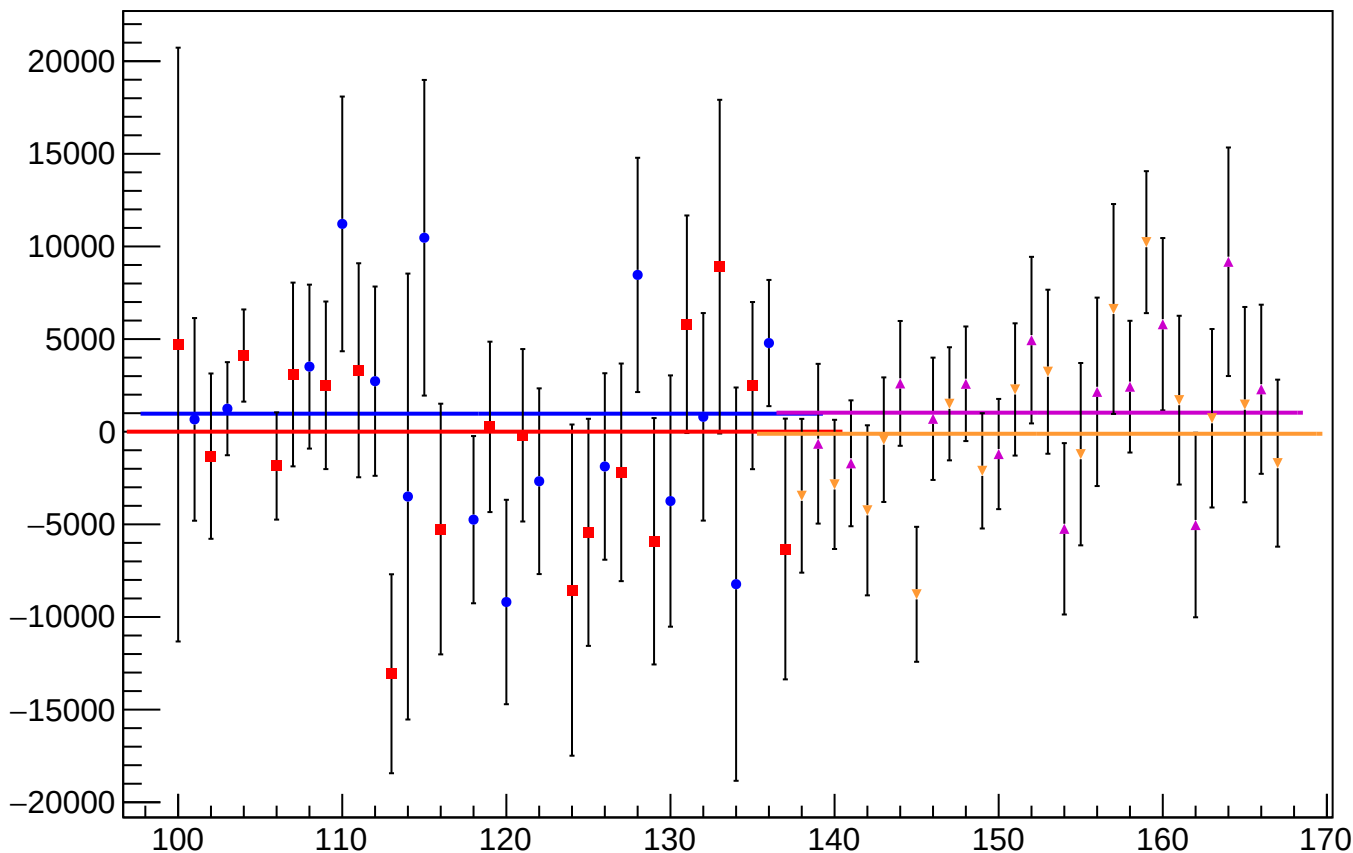
Left In: 1111.748 ± 0.232 χ^2/NDF : 73416.3/13

+ sign 1119.001 ± 0.180 χ^2/NDF : 929265.1/31

All: 1108.071 ± 0.127 χ^2/NDF : 1669971.4/64

- sign 1097.006 ± 0.181 χ^2/NDF : 733249.2/32

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755 $\pm$ 1232.754 χ^2/NDF : 13.8/15

Left Out: -110.310 $\pm$ 995.648 χ^2/NDF : 18.6/15

Right Out: 2.885 $\pm$ 1113.897 χ^2/NDF : 16.6/18

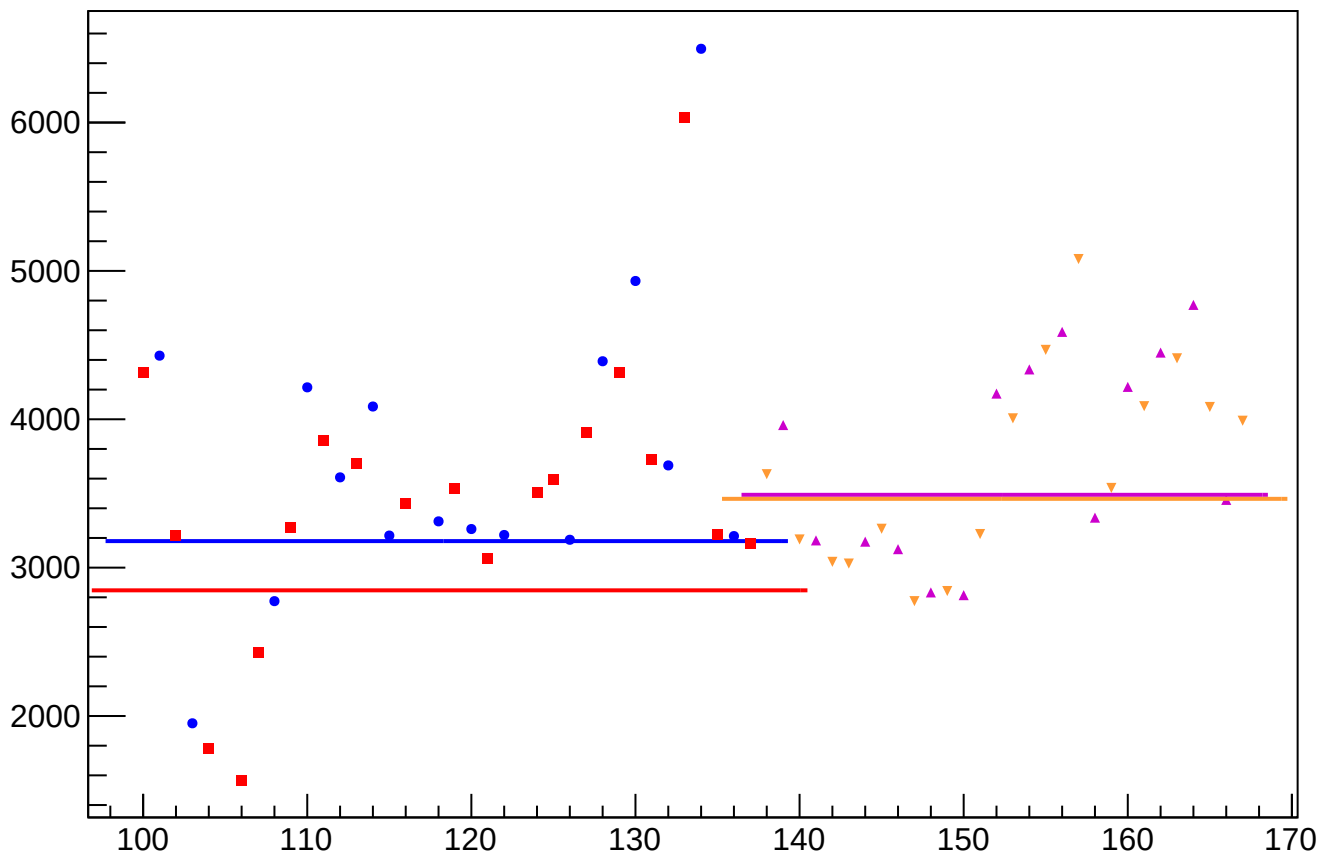
Left In: 1027.320 $\pm$ 1046.724 χ^2/NDF : 9.0/13

+ sign 317.668 $\pm$ 774.567 χ^2/NDF : 32.9/31

All: 434.051 $\pm$ 543.489 χ^2/NDF : 58.9/64

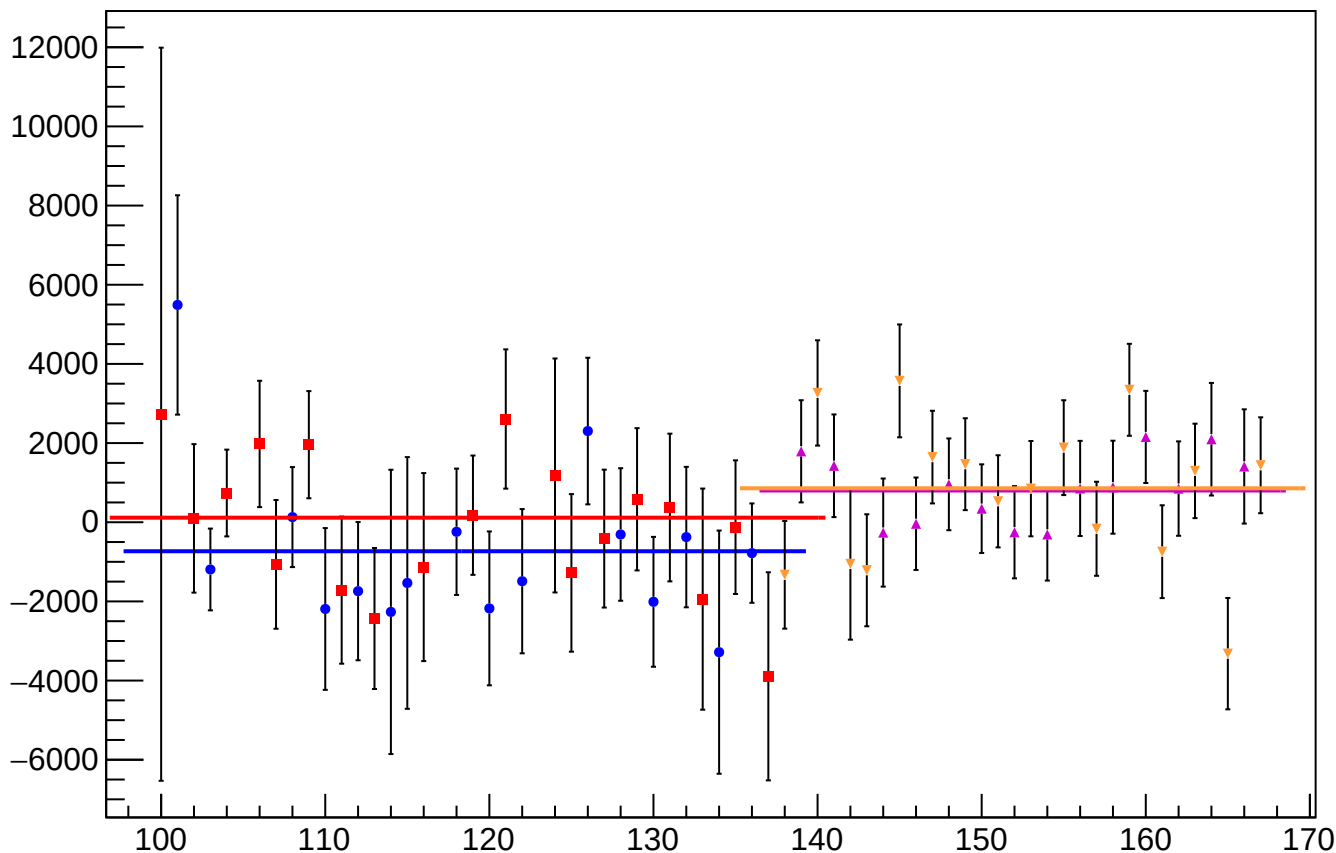
- sign 546.921 $\pm$ 762.788 χ^2/NDF : 26.0/32

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870 ± 0.872 $\chi^2/\text{NDF}: 1091676.8/15$ + sign 3351.270 ± 0.548 $\chi^2/\text{NDF}: 1866016.7/31$
 Left Out: 3463.730 ± 0.704 $\chi^2/\text{NDF}: 709708.0/15$ All: 3268.844 ± 0.384 $\chi^2/\text{NDF}: 4471929.9/64$
 Right Out: 2847.016 ± 0.788 $\chi^2/\text{NDF}: 1511160.9/18$ - sign 3188.906 ± 0.539 $\chi^2/\text{NDF}: 2561299.6/32$
 Left In: 3490.804 ± 0.740 $\chi^2/\text{NDF}: 695350.9/13$

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 857.658+/-315.672 χ^2/NDF :30.6/15

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

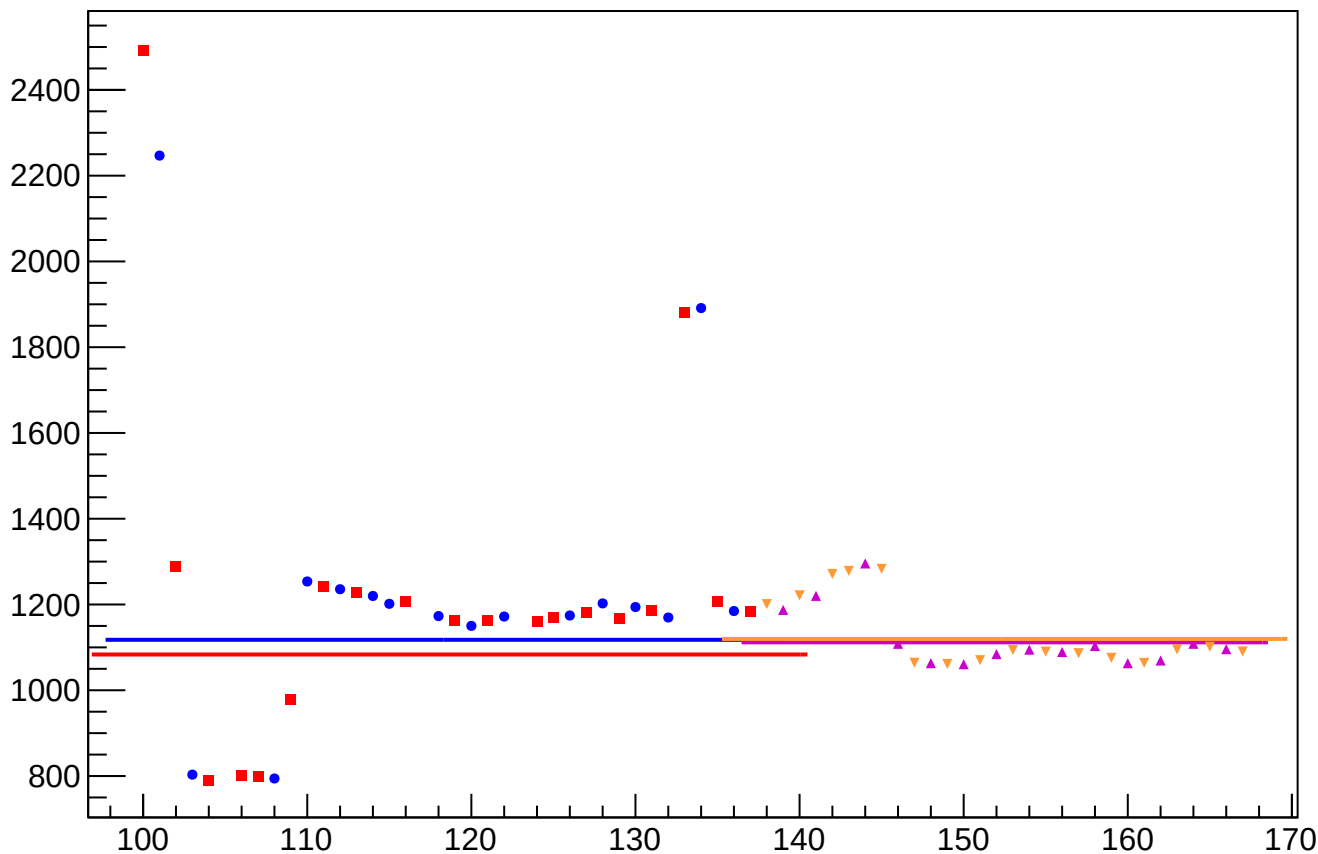
Left In: 801.724+/-327.694 χ^2/NDF :6.2/13

+ sign 296.299+/-253.919 χ^2/NDF : 51.2/31

All: 414.672+/-180.394 χ^2/NDF : 72.7/64

- sign 535.304+/-256.329 χ^2/NDF : 21.1/32

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819831.7/15

Left Out: 1119.720 $\pm$ 0.223 χ^2 /NDF: 109400.6/15

Right Out: 1083.421 $\pm$ 0.290 χ^2 /NDF: 595016.7/18

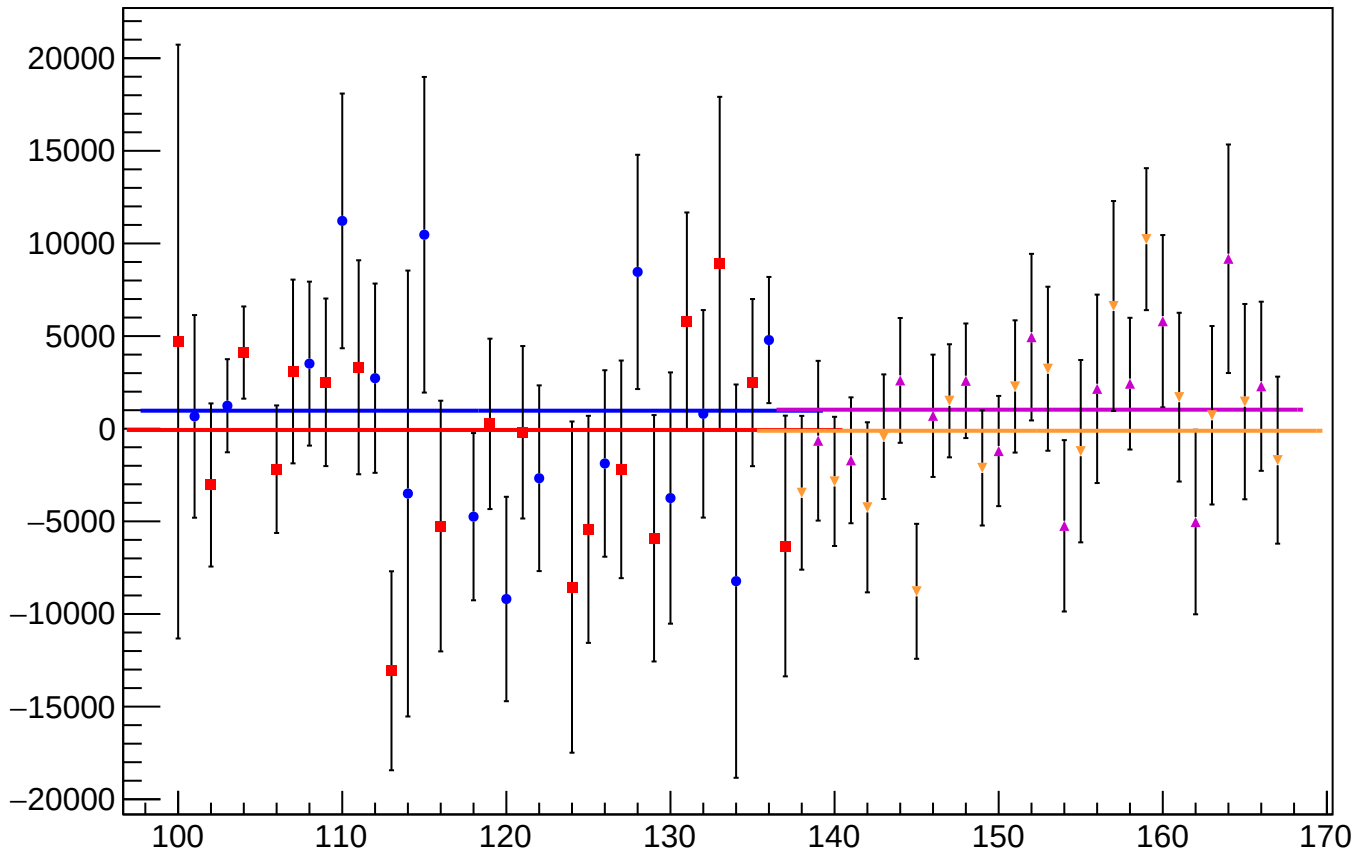
Left In: 1111.748 $\pm$ 0.232 χ^2 /NDF: 73416.3/13

+ sign 1119.001 $\pm$ 0.180 χ^2 /NDF: 929261.7/31

All: 1109.944 $\pm$ 0.128 χ^2 /NDF: 1608643.0/64

- sign 1100.728 $\pm$ 0.181 χ^2 /NDF: 674247.3/32

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256 ± 1232.803 χ^2/NDF : 13.8/15

Left Out: -110.319 ± 995.647 χ^2/NDF : 18.6/15

Right Out: -67.113 ± 1137.892 χ^2/NDF : 16.9/18

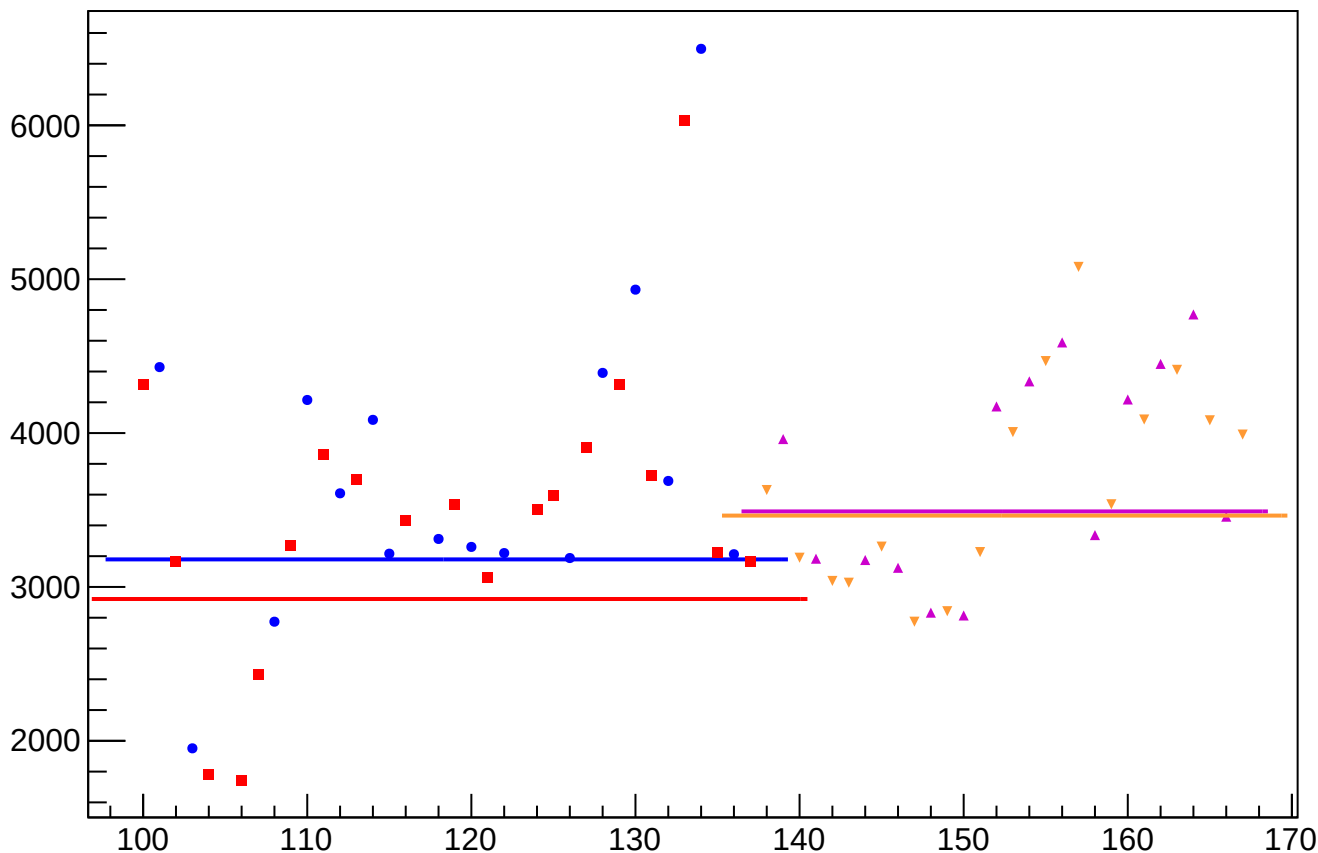
Left In: 1027.337 ± 1046.723 χ^2/NDF : 9.0/13

+ sign 317.444 ± 774.579 χ^2/NDF : 32.9/31

All: 422.144 ± 546.213 χ^2/NDF : 59.4/64

- sign 525.706 ± 770.362 χ^2/NDF : 26.4/32

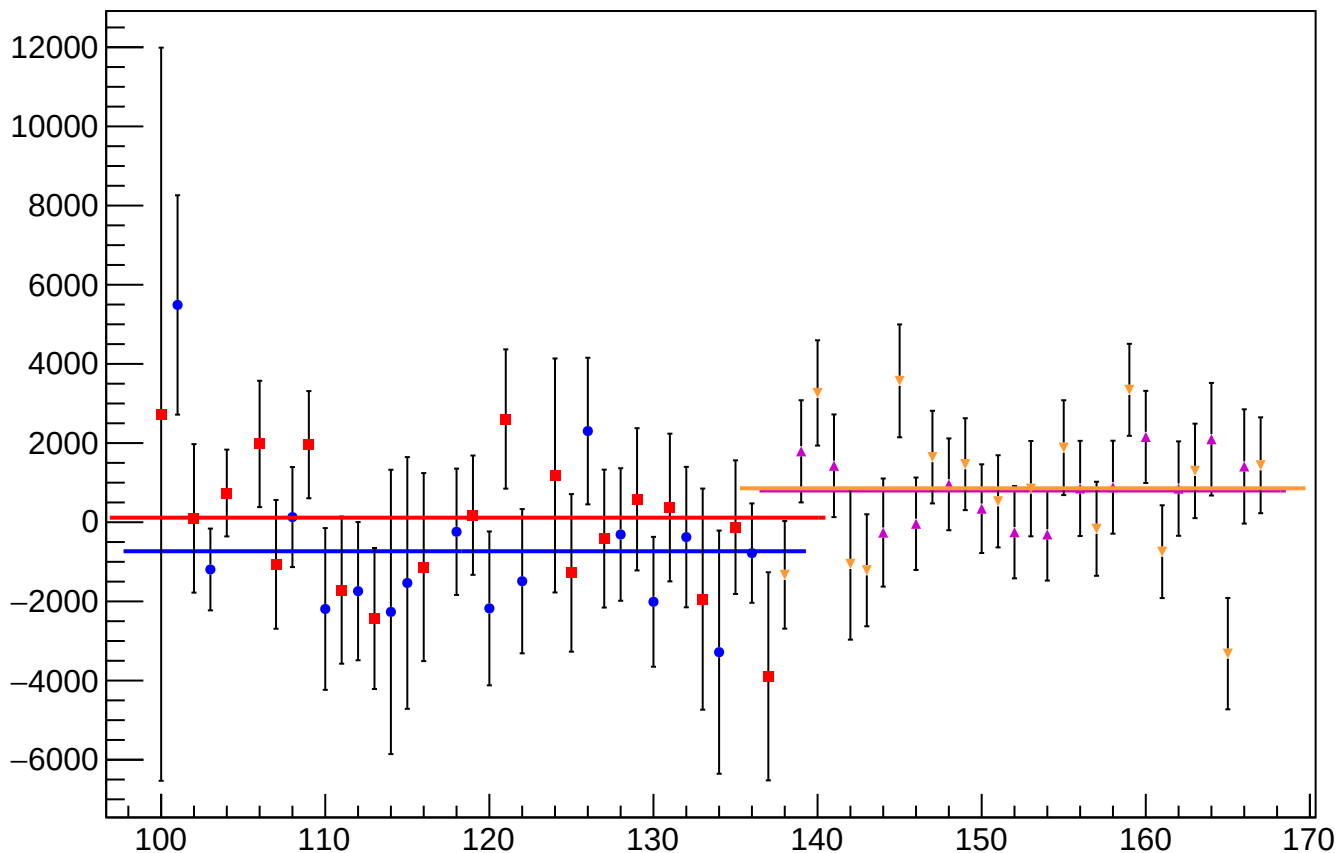
asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054 $\pm$ 0.872 χ^2 /NDF: 1091236.5/15
 Left Out: 3463.726 $\pm$ 0.704 χ^2 /NDF: 709712.3/15
 Right Out: 2921.641 $\pm$ 0.805 χ^2 /NDF: 1312890.1/18
 Left In: 3490.802 $\pm$ 0.740 χ^2 /NDF: 695354.5/13

+ sign 3351.346 $\pm$ 0.548 χ^2 /NDF: 1865492.3/31
 All: 3290.308 $\pm$ 0.386 χ^2 /NDF: 4169475.6/64
 - sign 3229.932 $\pm$ 0.545 χ^2 /NDF: 2279279.3/32

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 857.658+/-315.672 χ^2/NDF :30.6/15

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

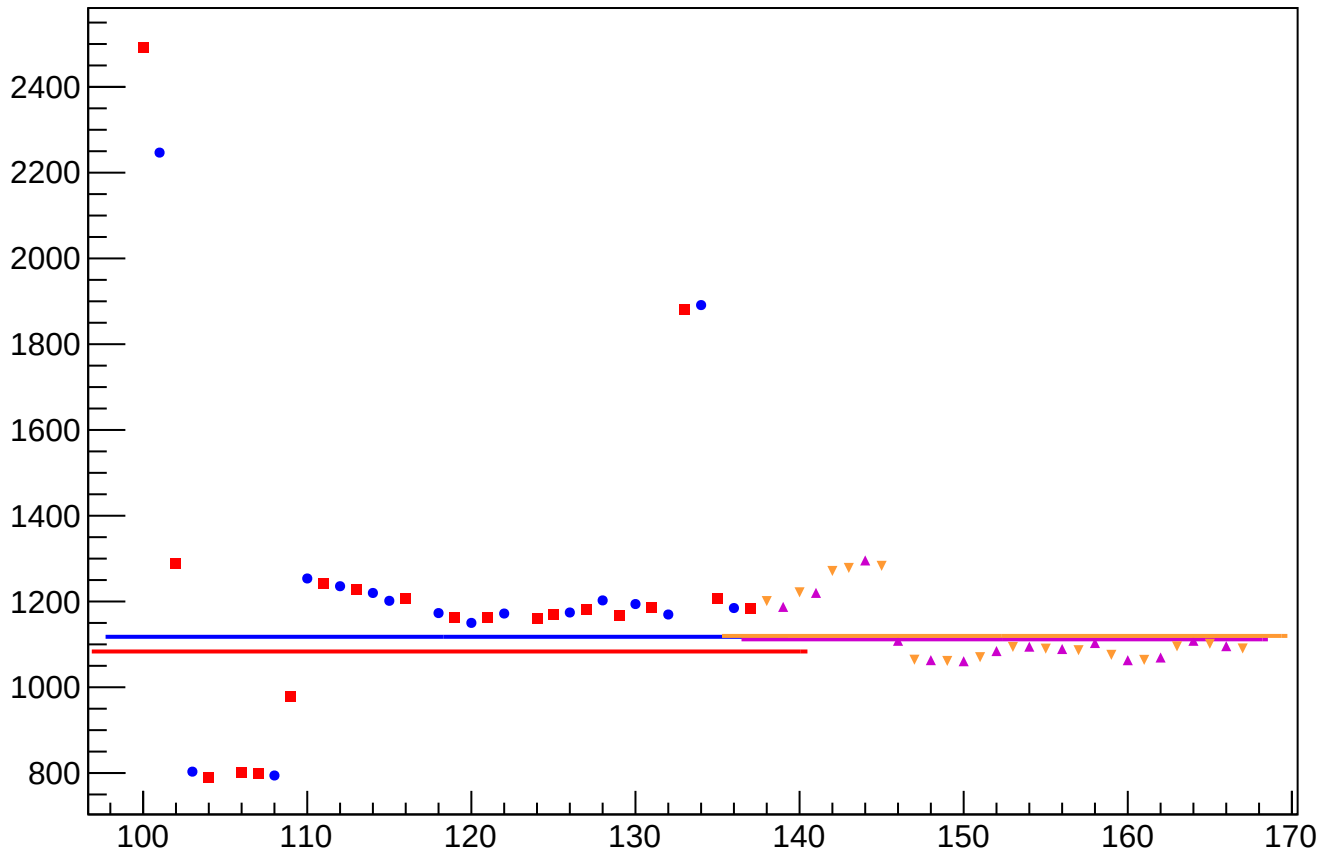
Left In: 801.724+/-327.694 χ^2/NDF :6.2/13

+ sign 296.299+/-253.919 χ^2/NDF : 51.2/31

All: 414.672+/-180.394 χ^2/NDF : 72.7/64

- sign 535.304+/-256.329 χ^2/NDF : 21.1/32

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819831.7/15

Left Out: 1119.720 $\pm$ 0.223 χ^2 /NDF: 109400.6/15

Right Out: 1083.421 $\pm$ 0.290 χ^2 /NDF: 595016.7/18

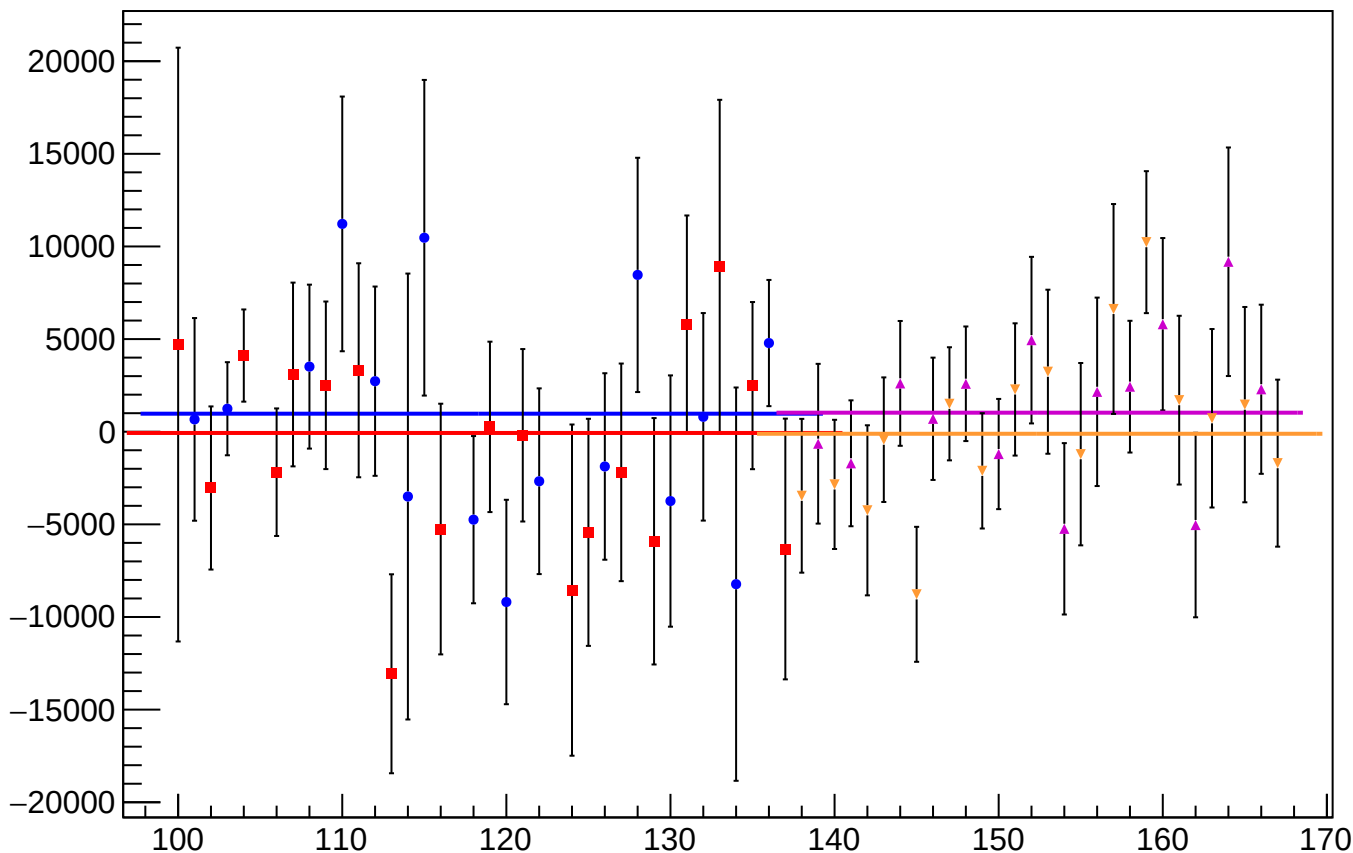
Left In: 1111.748 $\pm$ 0.232 χ^2 /NDF: 73416.3/13

+ sign 1119.001 $\pm$ 0.180 χ^2 /NDF: 929261.7/31

All: 1109.944 $\pm$ 0.128 χ^2 /NDF: 1608643.0/64

- sign 1100.728 $\pm$ 0.181 χ^2 /NDF: 674247.3/32

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: 973.256 $\pm$ 1232.803 χ^2 /NDF: 13.8/15

Left Out: -110.319 $\pm$ 995.647 χ^2 /NDF:18.6/15

Right Out: -67.113 $\pm$ 1137.892 χ^2 /NDF: 16.9/18

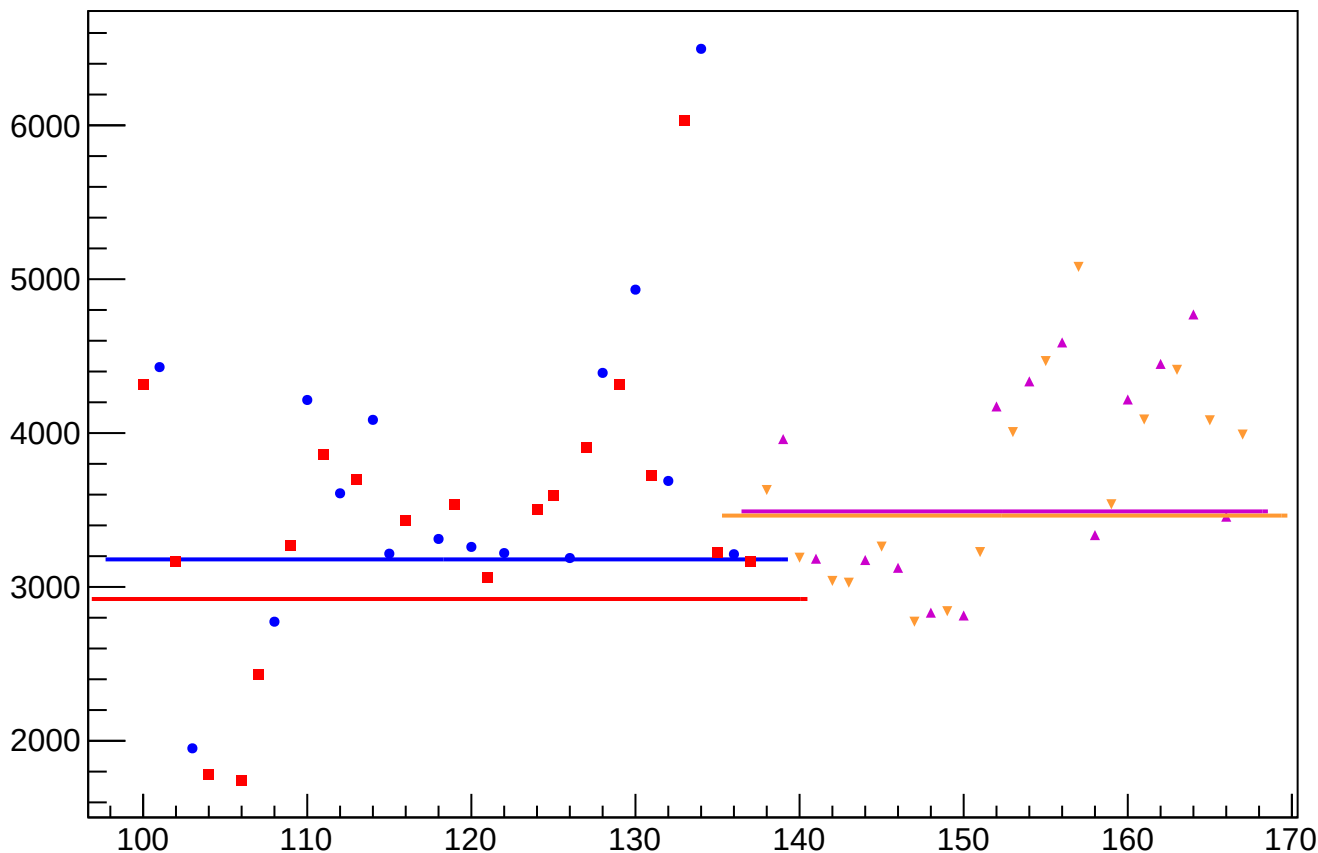
Left In: 1027.337 $\pm$ 1046.723 χ^2 /NDF:9.0/13

+ sign 317.444 $\pm$ 774.579 χ^2 /NDF: 32.9/31

All: 422.144 $\pm$ 546.213 χ^2 /NDF: 59.4/64

- sign 525.706 $\pm$ 770.362 χ^2 /NDF: 26.4/32

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF : 1091236.5/15

Left Out: 3463.726+/-0.704 χ^2/NDF : 709712.3/15

Right Out: 2921.641+/-0.805 χ^2/NDF : 1312890.1/18

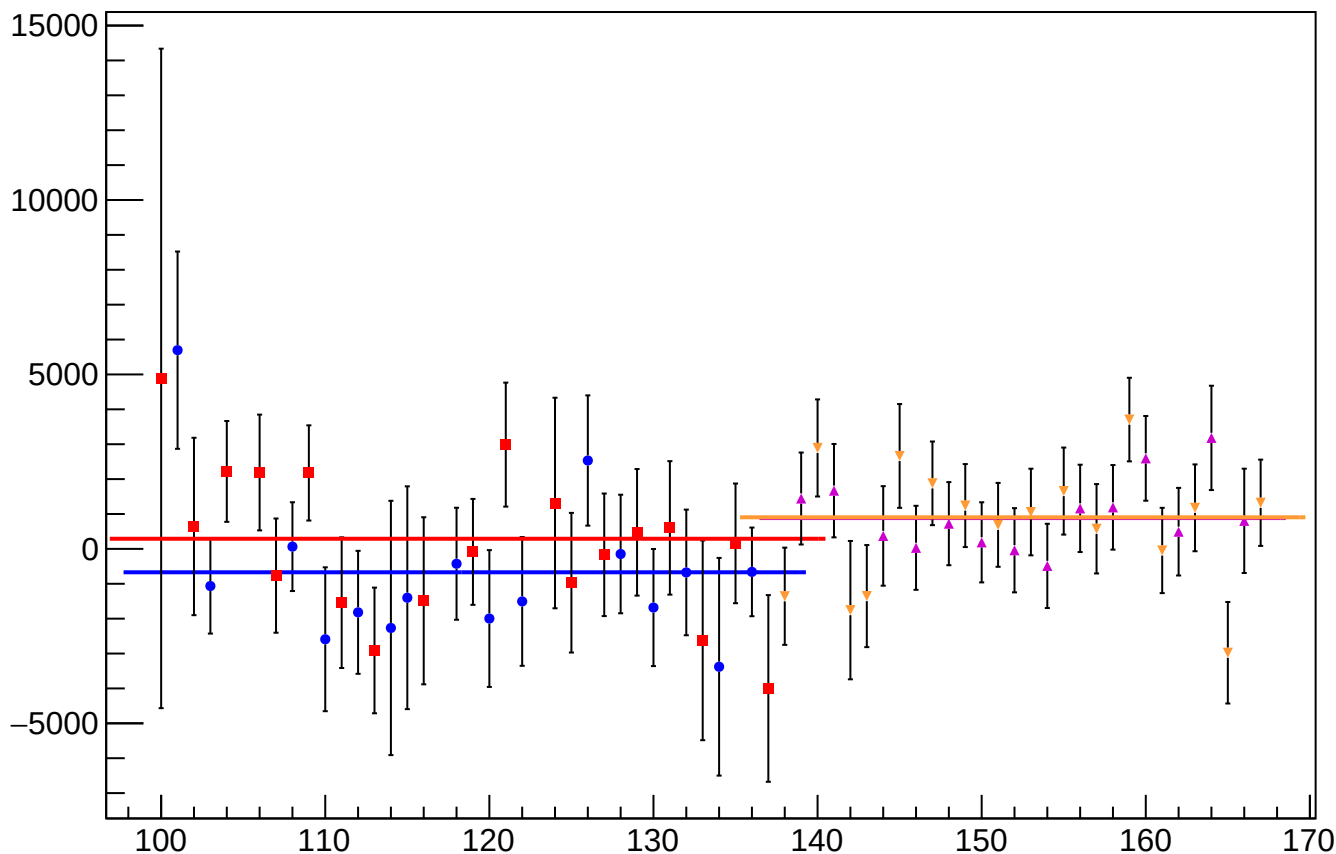
Left In: 3490.802+/-0.740 χ^2/NDF : 695354.5/13

+ sign 3351.346+/-0.548 χ^2/NDF : 1865492.3/31

All: 3290.308+/-0.386 χ^2/NDF : 4169475.6/64

- sign 3229.932+/-0.545 χ^2/NDF : 2279279.3/32

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF : 11.9/15

Left Out: 905.063+/-327.240 χ^2/NDF : 24.8/15

Right Out: 290.311+/-434.425 χ^2/NDF : 16.9/18

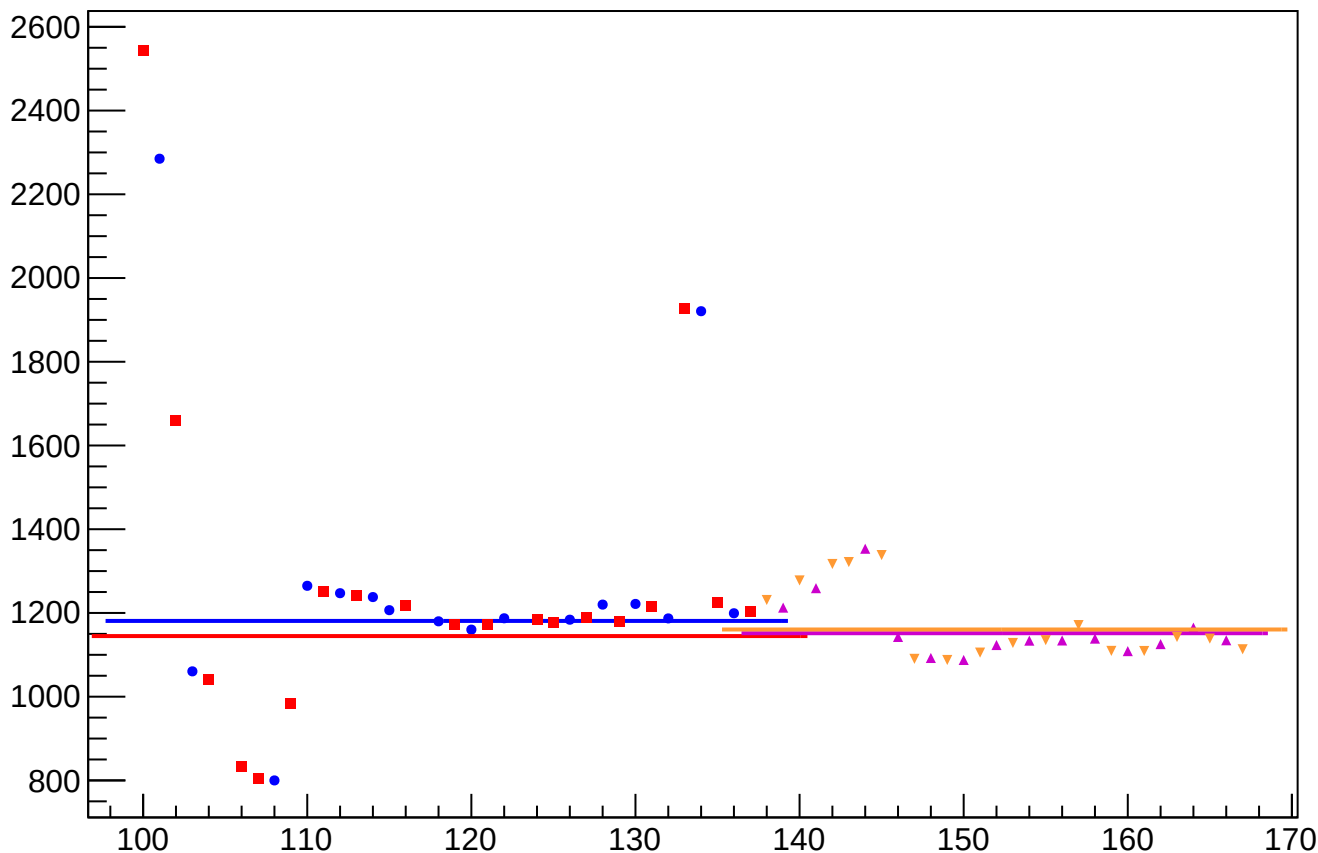
Left In: 883.211+/-339.473 χ^2/NDF : 8.0/13

+ sign 357.581+/-264.354 χ^2/NDF : 44.7/31

All: 506.230+/-188.025 χ^2/NDF : 71.5/64

- sign 658.427+/-267.489 χ^2/NDF : 26.1/32

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955 $\pm$ 0.317 χ^2 /NDF: 621878.6/15

Left Out: 1160.495 $\pm$ 0.231 χ^2 /NDF: 116405.6/15

Right Out: 1144.777 $\pm$ 0.307 χ^2 /NDF: 497730.6/18

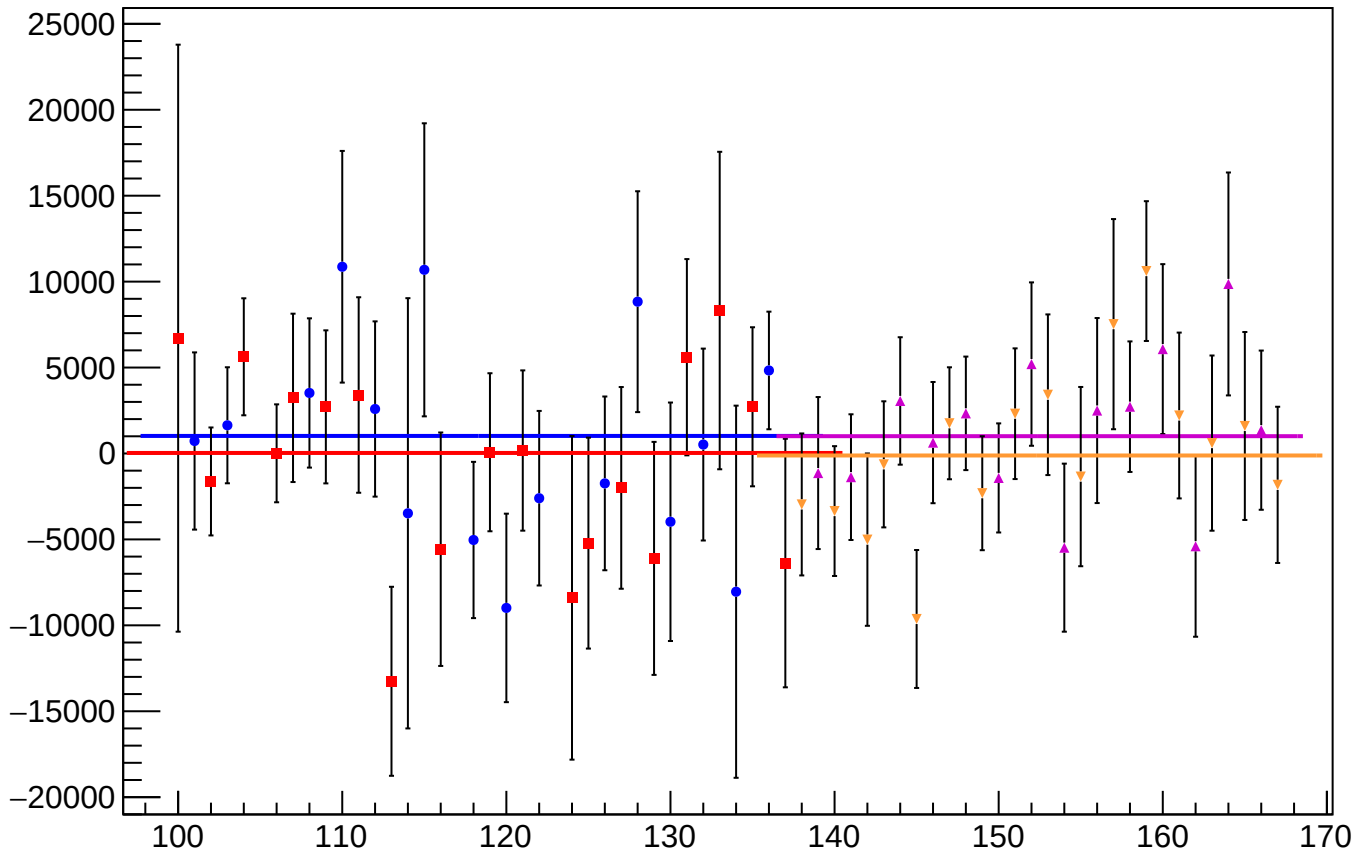
Left In: 1151.589 $\pm$ 0.240 χ^2 /NDF: 74368.1/13

+ sign 1167.603 $\pm$ 0.187 χ^2 /NDF: 741000.6/31

All: 1158.412 $\pm$ 0.133 χ^2 /NDF: 1318296.8/64

- sign 1149.005 $\pm$ 0.189 χ^2 /NDF: 572404.2/32

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047 $\pm$ 1302.431 χ^2/NDF : 13.9/15

Left Out: -117.039 $\pm$ 1058.710 χ^2/NDF : 18.6/15

Right Out: 30.135 $\pm$ 1130.743 χ^2/NDF : 16.1/18

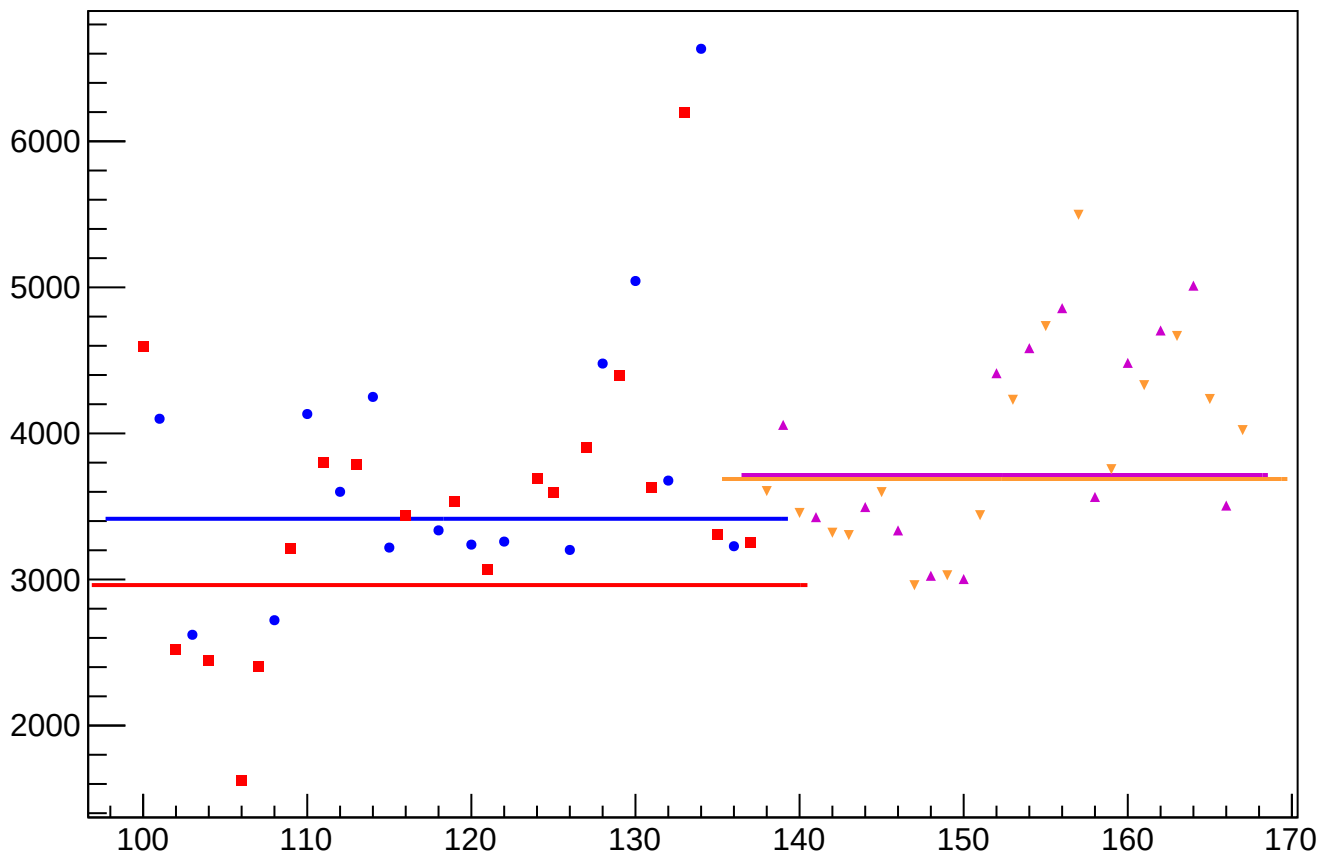
Left In: 1006.476 $\pm$ 1113.017 χ^2/NDF : 8.9/13

+ sign 335.768 $\pm$ 821.530 χ^2/NDF : 32.9/31

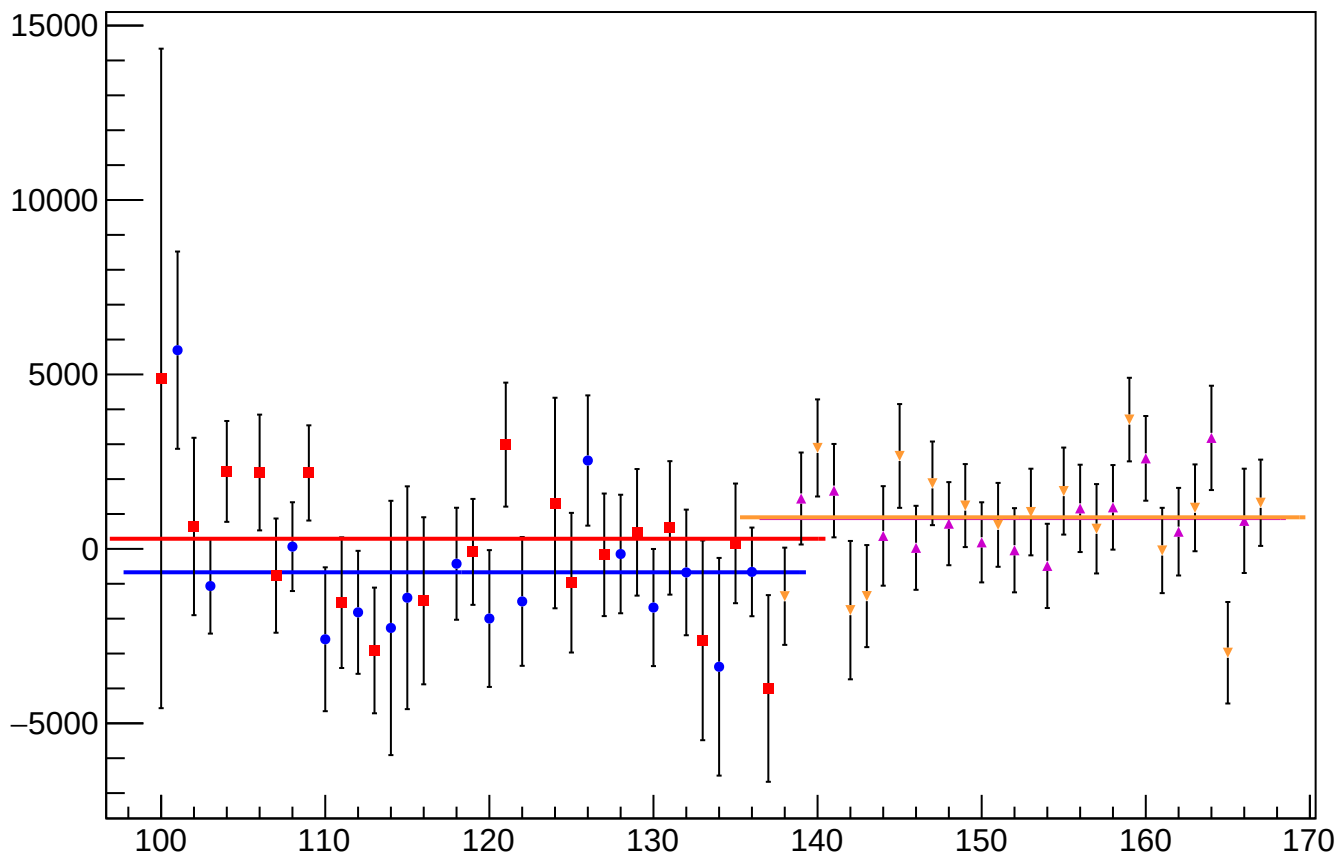
All: 434.228 $\pm$ 570.635 χ^2/NDF : 58.4/64

- sign 526.018 $\pm$ 793.214 χ^2/NDF : 25.5/32

asym_usr_atr2_dd_dit_correction_rms vs Slug



eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824 ± 448.500 χ^2/NDF : 11.9/15

Left Out: 905.070 ± 327.240 χ^2/NDF : 24.8/15

Right Out: 290.316 ± 434.425 χ^2/NDF : 16.9/18

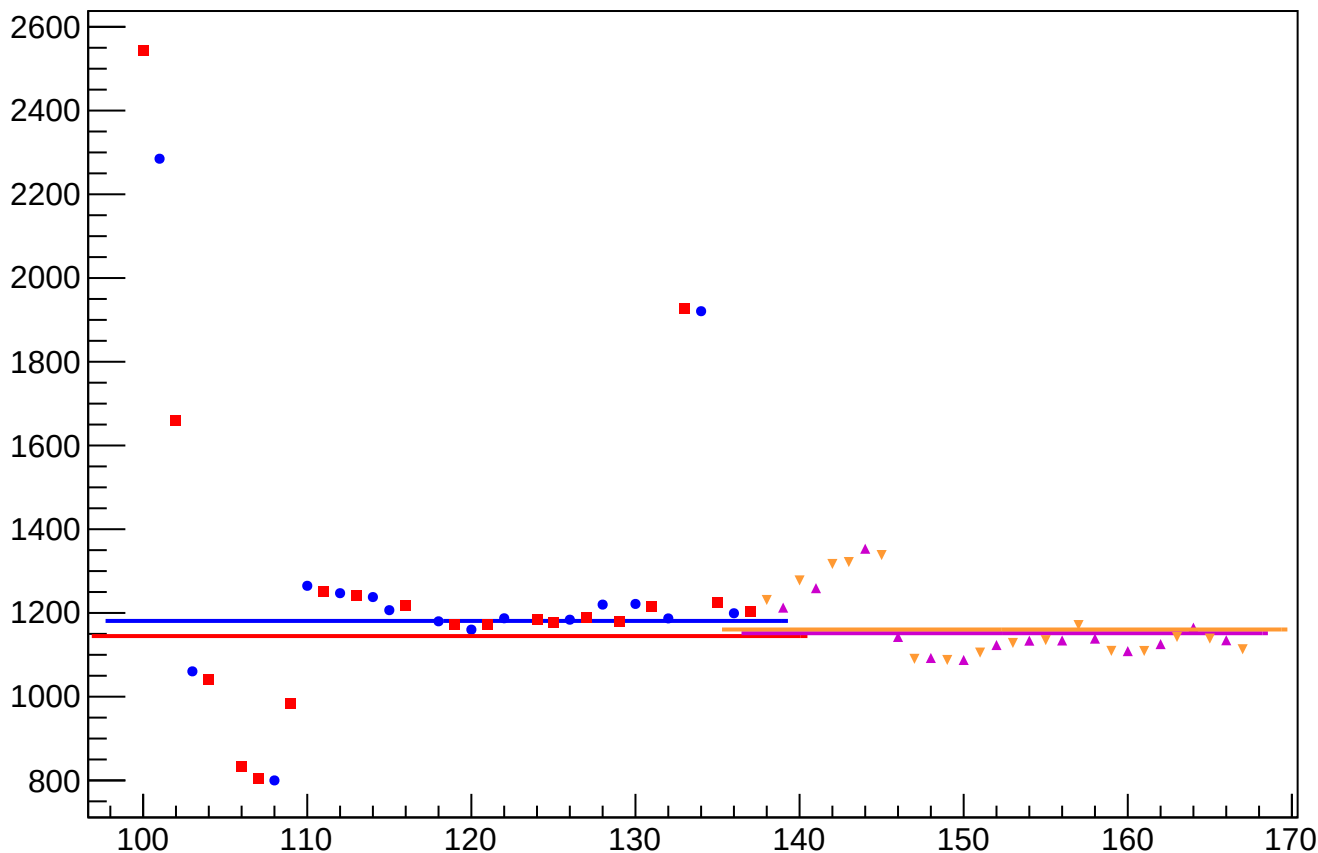
Left In: 883.211 ± 339.473 χ^2/NDF : 8.0/13

+ sign 357.583 ± 264.354 χ^2/NDF : 44.7/31

All: 506.233 ± 188.025 χ^2/NDF : 71.5/64

- sign 658.429 ± 267.490 χ^2/NDF : 26.1/32

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF : 621878.9/15

Left Out: 1160.496+/-0.231 χ^2/NDF :116405.2/15

Right Out: 1144.777+/-0.307 χ^2/NDF : 497730.2/18

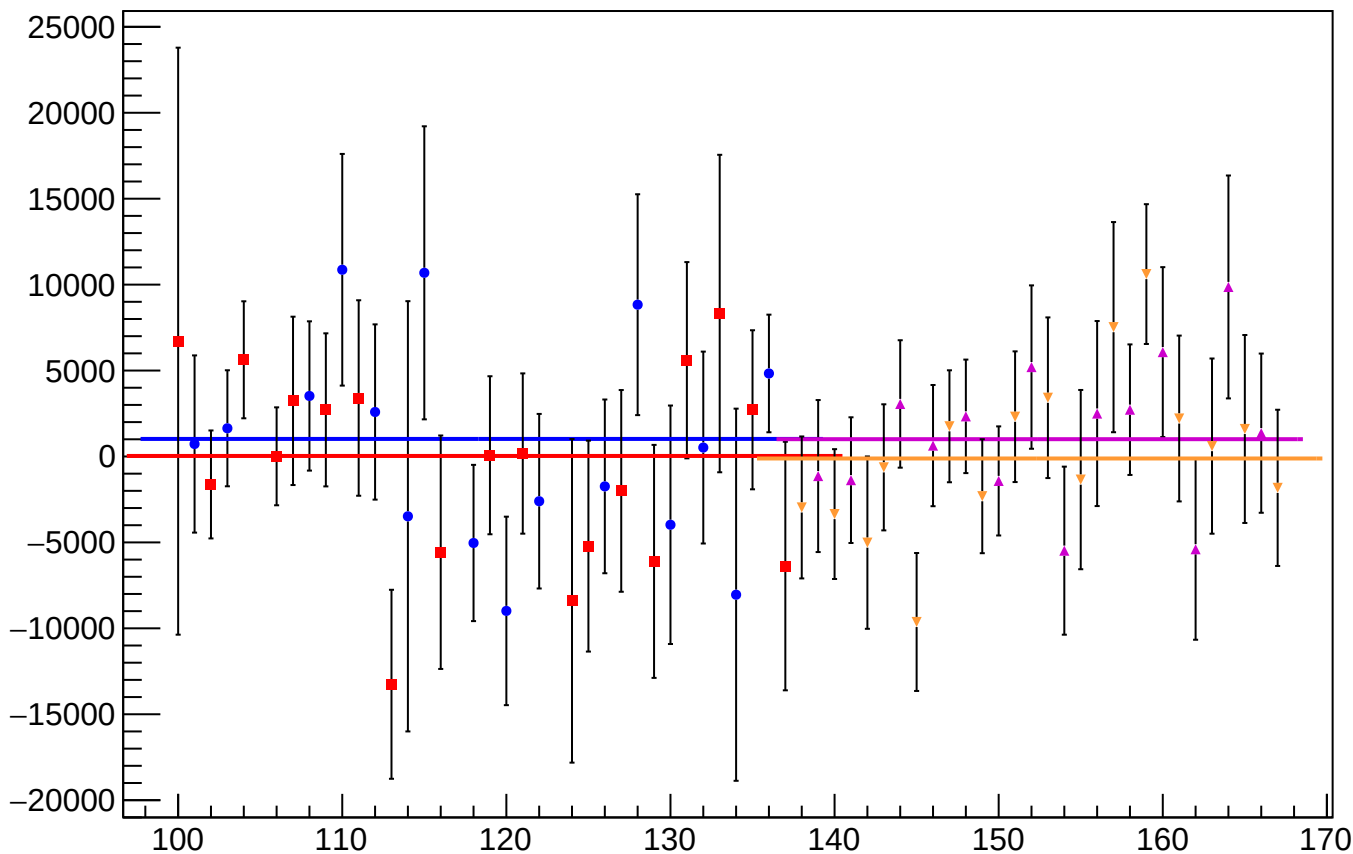
Left In: 1151.590+/-0.240 χ^2/NDF :74367.6/13

+ sign 1167.603+/-0.187 χ^2/NDF : 741000.2/31

All: 1158.413+/-0.133 χ^2/NDF : 1318295.5/64

- sign 1149.006+/-0.189 χ^2/NDF : 572403.4/32

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: 1021.029+/-1302.430 χ^2/NDF : 13.9/15

Left Out: -117.036+/-1058.712 χ^2/NDF : 18.6/15

Right Out: 30.142+/-1130.741 χ^2/NDF : 16.1/18

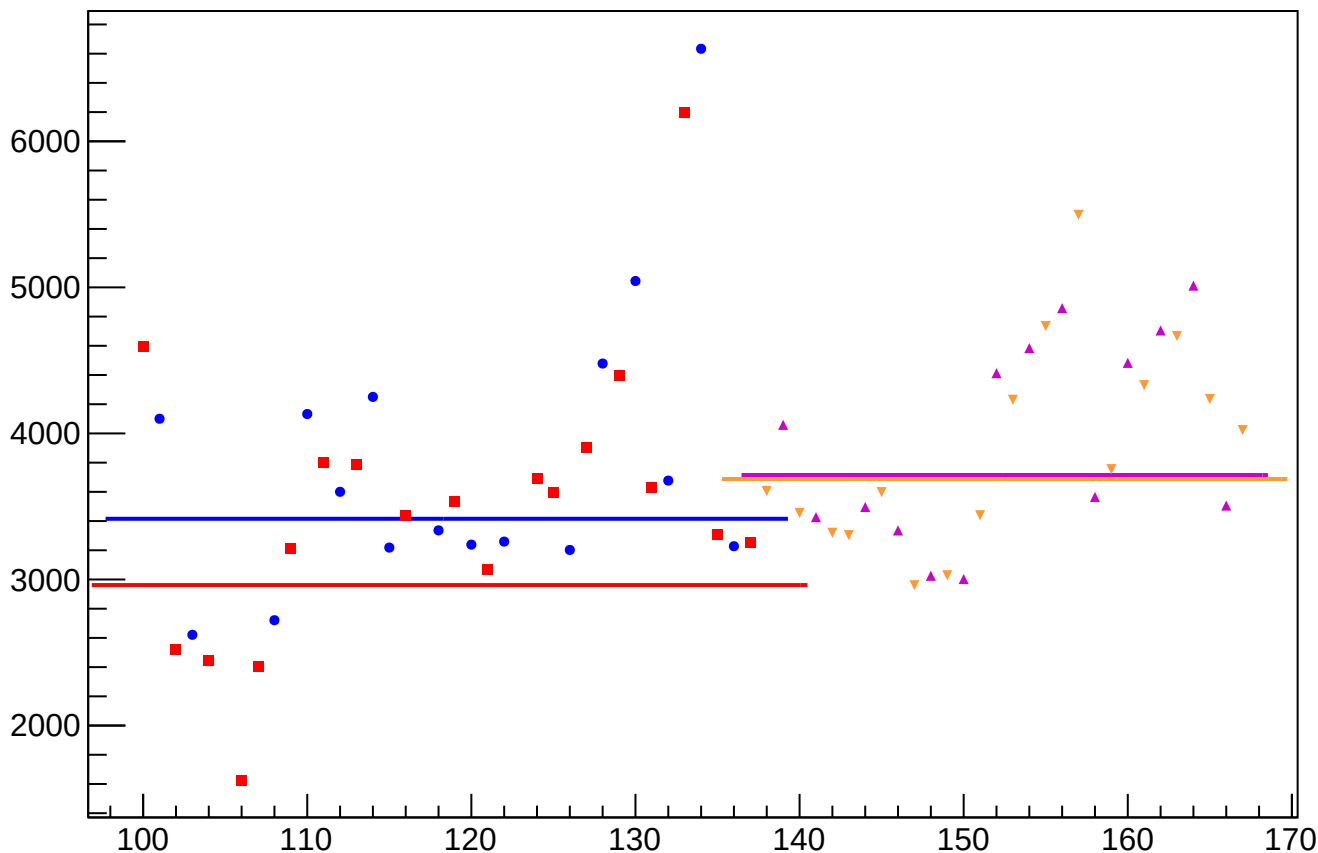
Left In: 1006.473+/-1113.018 χ^2/NDF : 8.9/13

+ sign 335.764+/-821.531 χ^2/NDF : 32.9/31

All: 434.226+/-570.635 χ^2/NDF : 58.4/64

- sign 526.018+/-793.214 χ^2/NDF : 25.5/32

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591 $\pm$ 0.921 χ^2 /NDF: 592339.1/15

Left Out: 3688.034 $\pm$ 0.749 χ^2 /NDF: 652538.6/15

Right Out: 2961.793 $\pm$ 0.800 χ^2 /NDF: 1169257.0/18

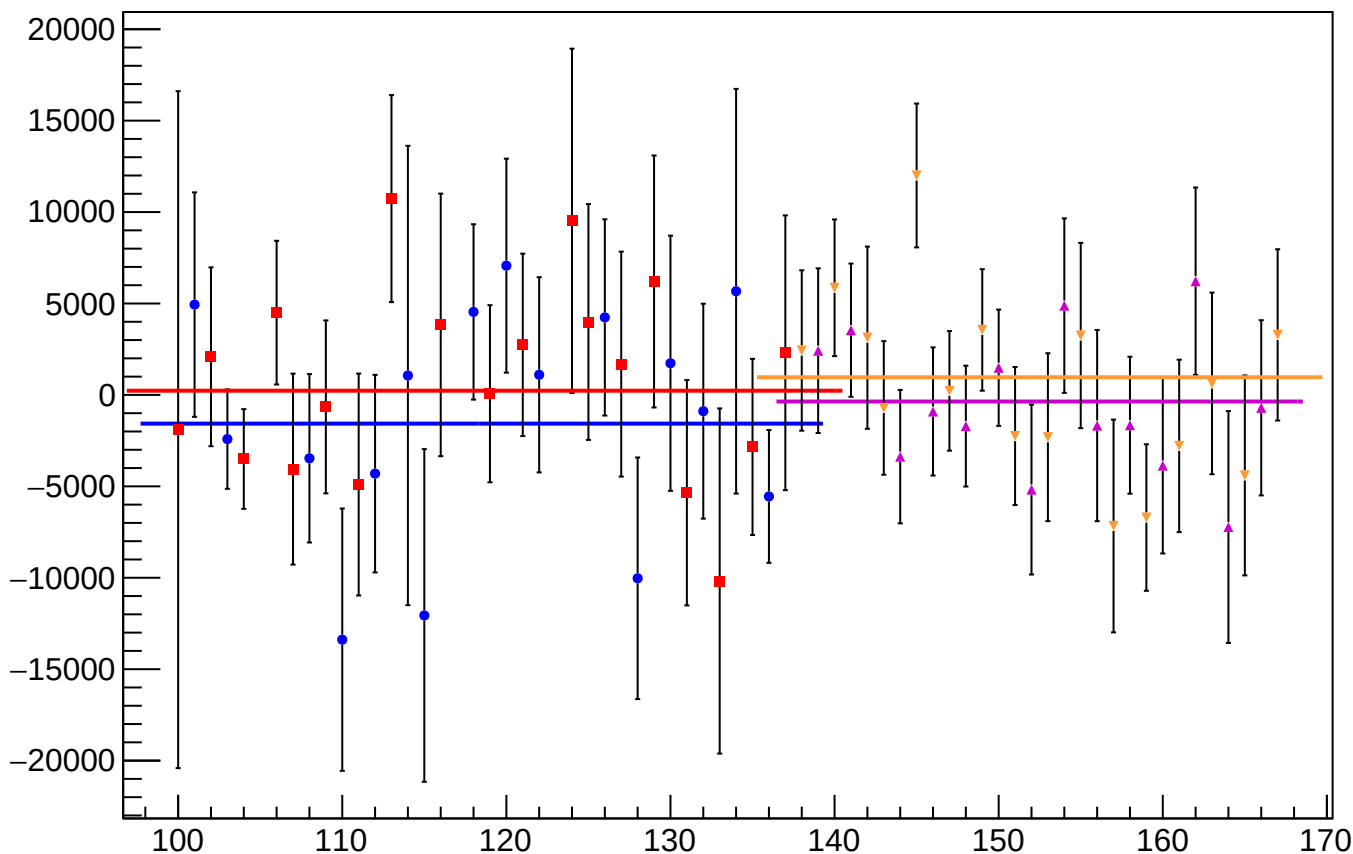
Left In: 3715.349 $\pm$ 0.787 χ^2 /NDF: 644743.2/13

+ sign 3579.638 $\pm$ 0.581 χ^2 /NDF: 1297571.9/31

All: 3457.959 $\pm$ 0.404 χ^2 /NDF: 3647489.5/64

- sign 3344.523 $\pm$ 0.561 χ^2 /NDF: 2265140.7/32

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809 ± 1312.937 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 965.539 ± 1053.894 $\chi^2/\text{NDF}: 19.7/15$

Right Out: 231.125 ± 1224.318 $\chi^2/\text{NDF}: 13.2/18$

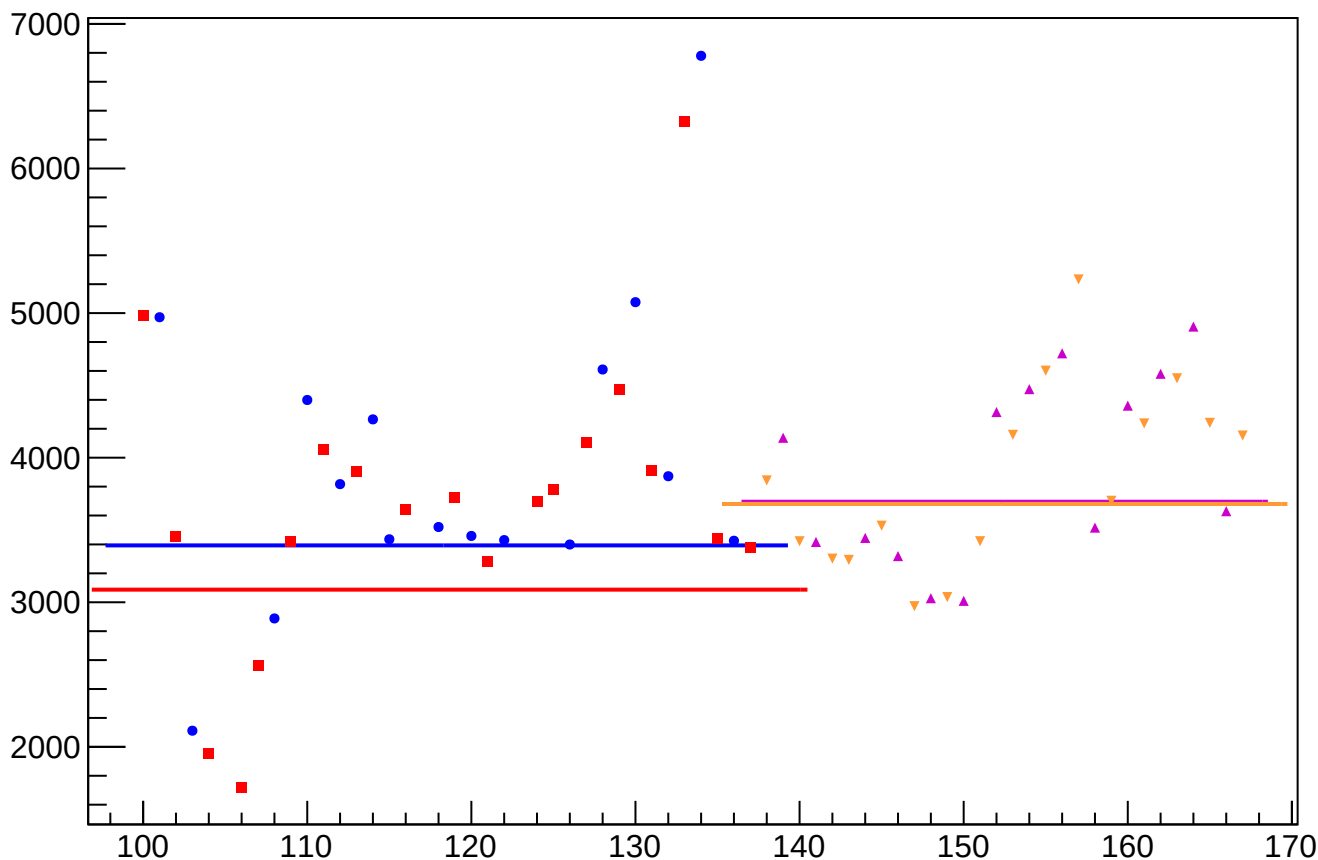
Left In: -361.459 ± 1104.578 $\chi^2/\text{NDF}: 8.6/13$

+ sign -27.932 ± 821.870 $\chi^2/\text{NDF}: 36.4/31$

All: -61.815 ± 580.533 $\chi^2/\text{NDF}: 58.3/64$

- sign -95.554 ± 820.129 $\chi^2/\text{NDF}: 21.9/32$

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2 /NDF: 1048707.6/15

Left Out: 3679.940+/-0.745 χ^2 /NDF: 588178.9/15

Right Out: 3087.307+/-0.851 χ^2 /NDF: 1328355.8/18

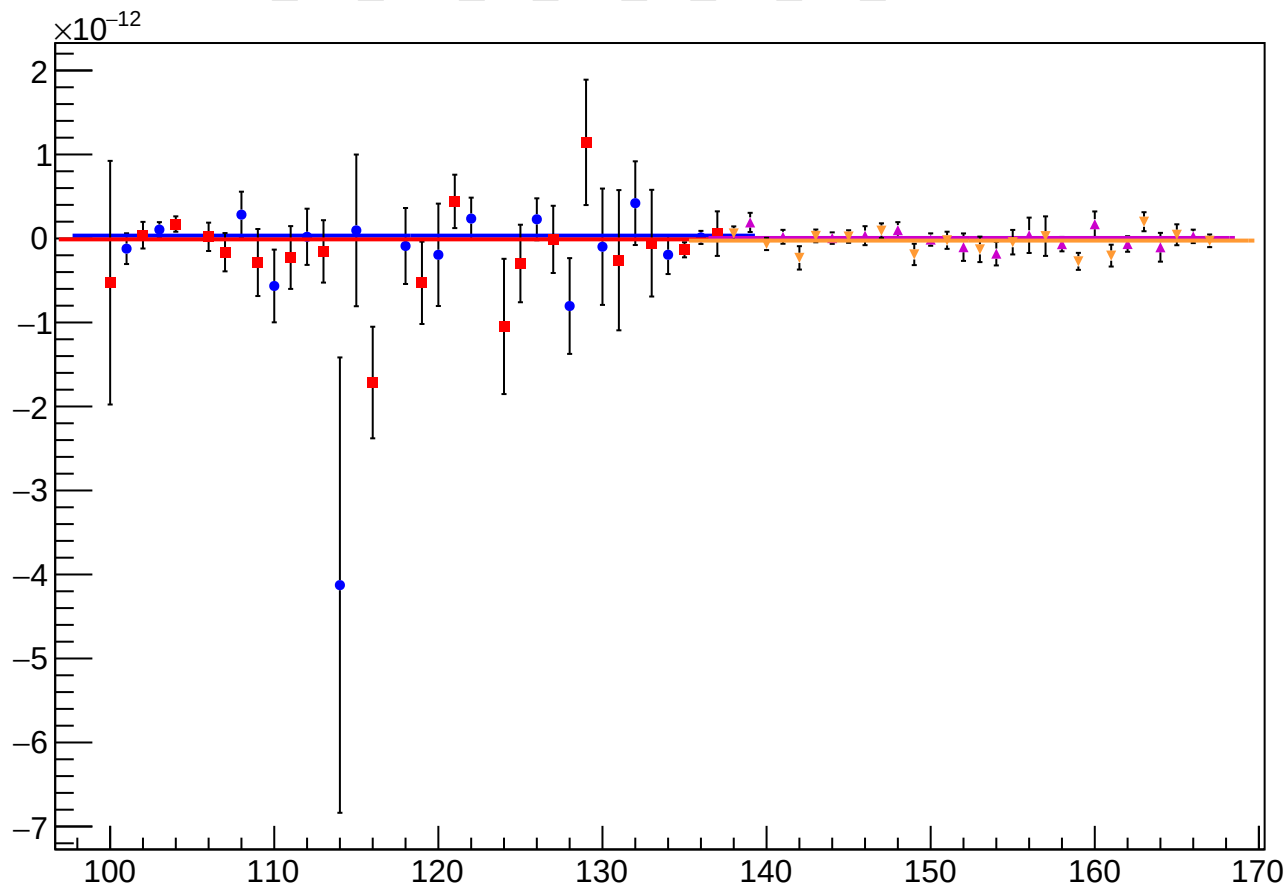
Left In: 3695.436+/-0.781 χ^2 /NDF: 579754.1/13

+ sign 3567.646+/-0.581 χ^2 /NDF: 1694833.5/31

All: 3491.822+/-0.409 χ^2 /NDF: 3913756.9/64

- sign 3417.465+/-0.575 χ^2 /NDF: 2185206.6/32

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 : 20.6/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.9/18

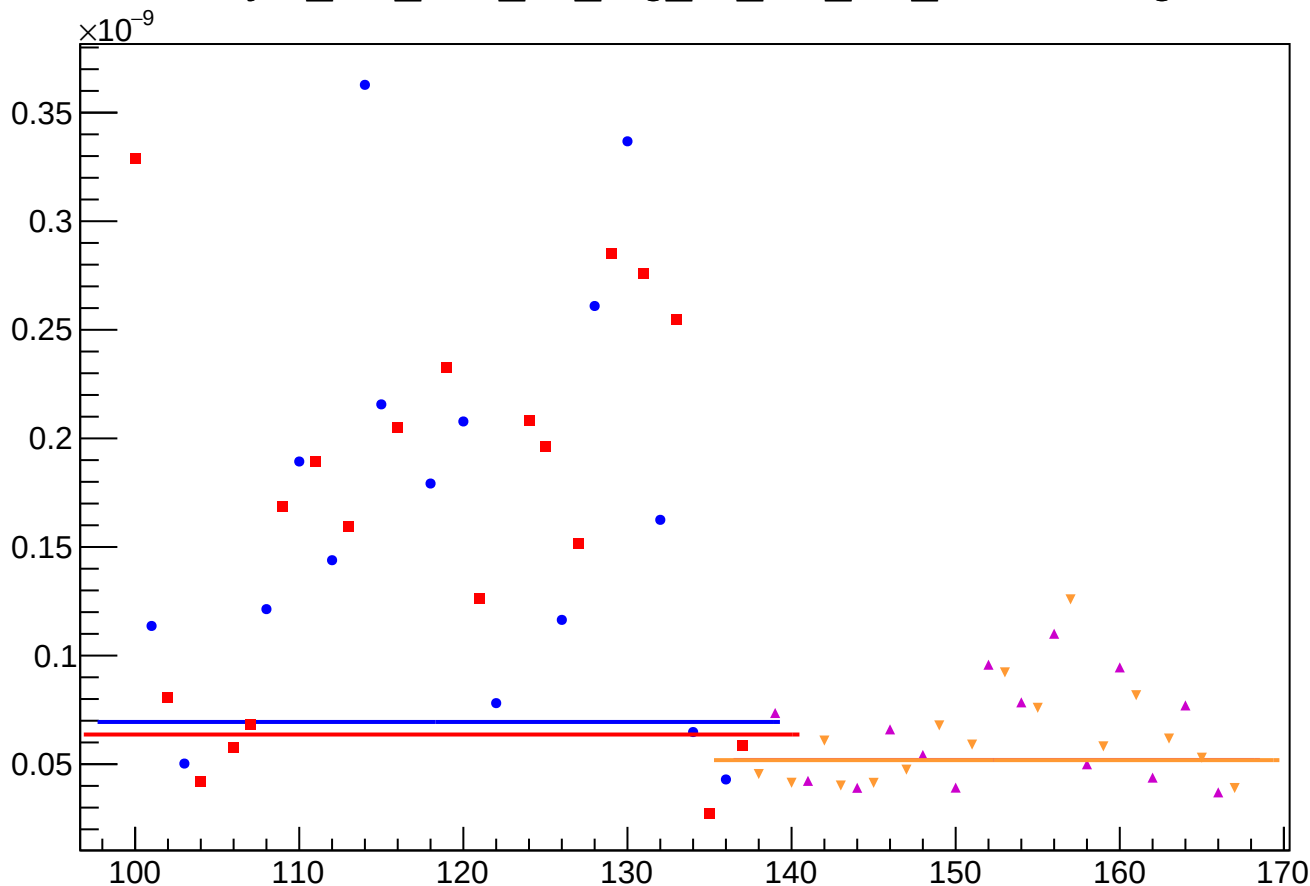
Left In: 0.000 ± 0.000 χ^2/NDF : 8.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 33.6/31

All: -0.000 ± 0.000 χ^2/NDF : 64.7/64

- sign 0.000 ± 0.000 χ^2/NDF : 30.9/32

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 : 775420.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2250342.3/18

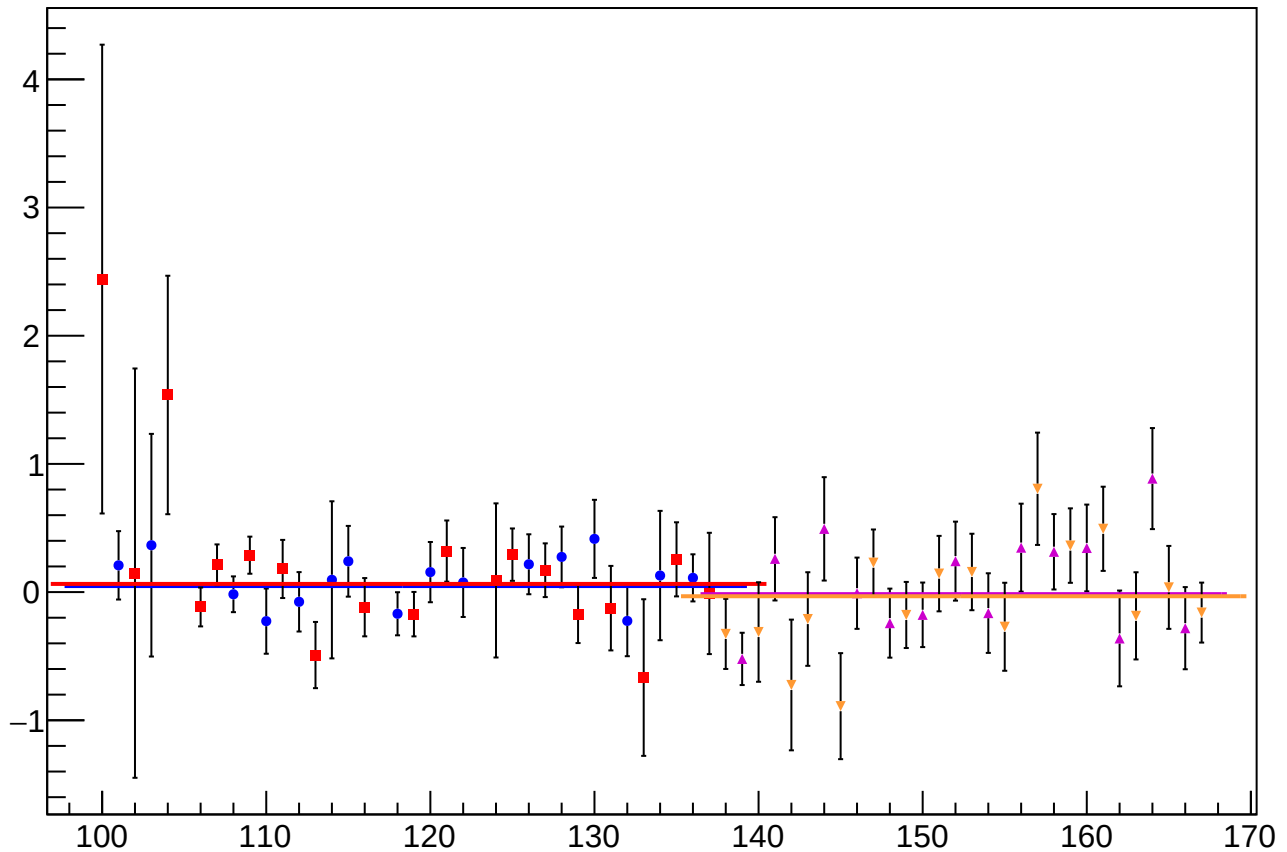
Left In: 0.000+/-0.000 χ^2/NDF : 915080.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 2709706.0/31

All: 0.000+/-0.000 χ^2/NDF : 5963513.0/64

- sign 0.000+/-0.000 χ^2/NDF : 3252189.7/32

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047 ± 0.060 χ^2/NDF : 8.6/15

Left Out: -0.032 ± 0.079 χ^2/NDF : 19.3/15

Right Out: 0.064 ± 0.055 χ^2/NDF : 22.2/18

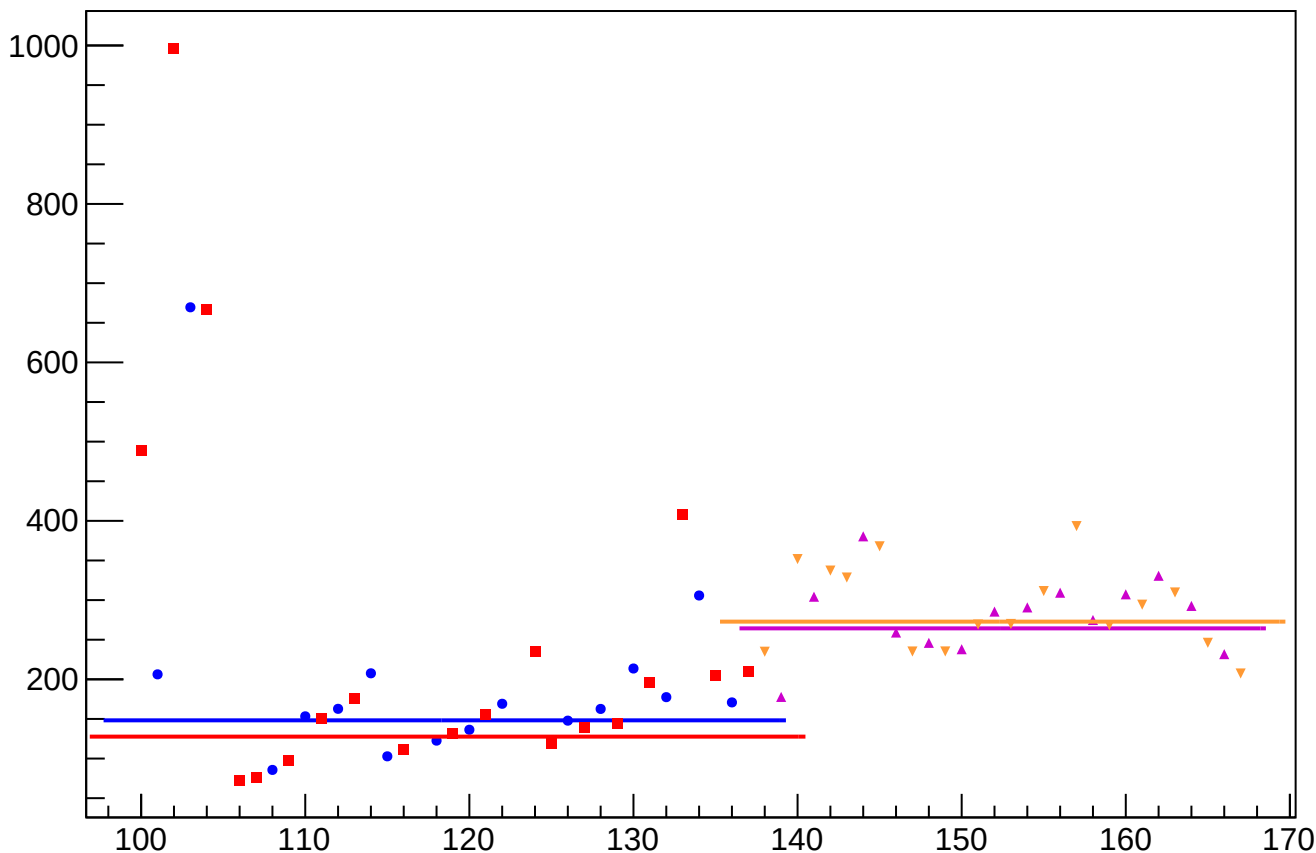
Left In: -0.016 ± 0.080 χ^2/NDF : 20.8/13

+ sign 0.018 ± 0.048 χ^2/NDF : 28.5/31

All: 0.029 ± 0.033 χ^2/NDF : 72.3/64

- sign 0.038 ± 0.045 χ^2/NDF : 43.7/32

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240 $\pm$ 0.042 χ^2 /NDF: 1710035.6/15

Left Out: 272.825 $\pm$ 0.056 χ^2 /NDF: 770194.7/15

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

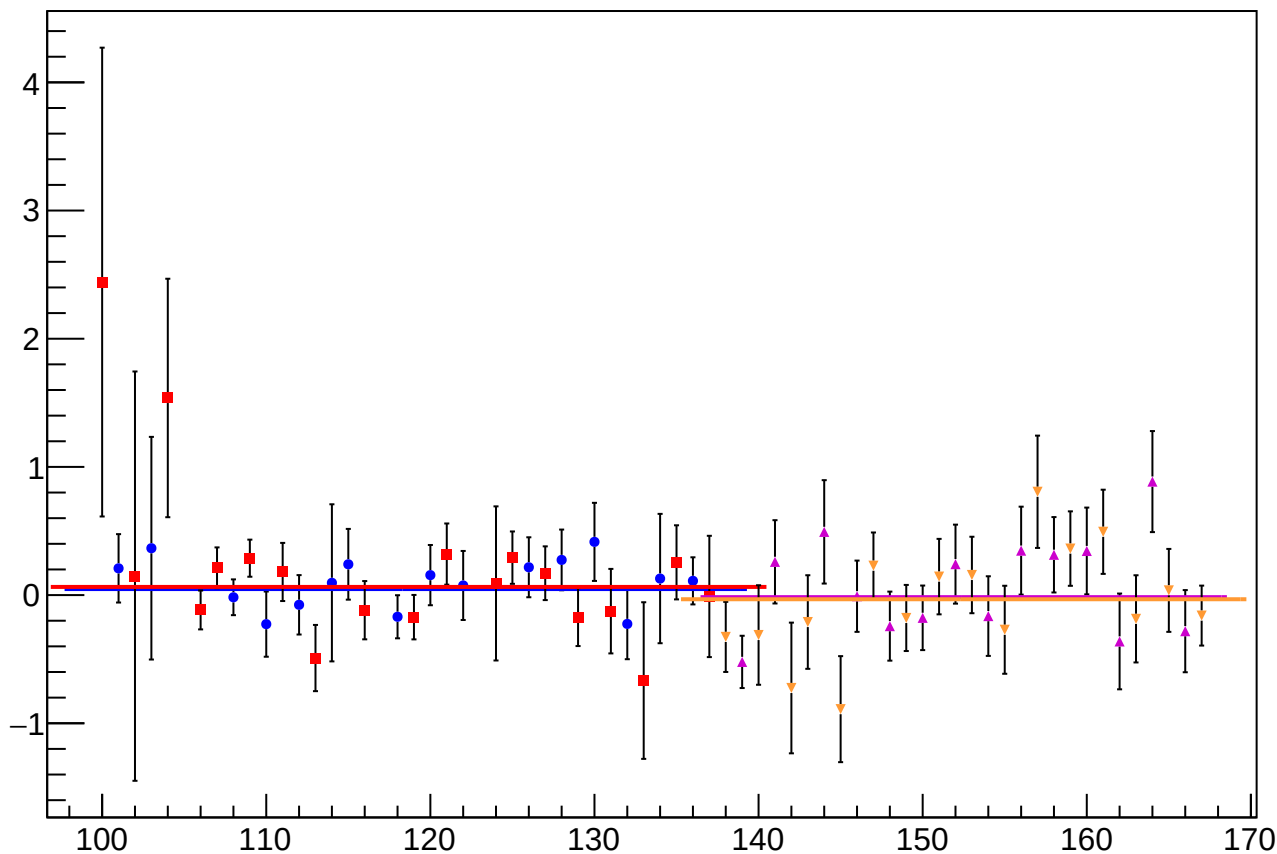
Left In: 264.308 $\pm$ 0.057 χ^2 /NDF: 775119.4/13

+ sign 194.024 $\pm$ 0.034 χ^2 /NDF: 5646024.3/31

All: 181.864 $\pm$ 0.023 χ^2 /NDF: 13466822.4/64

- sign 170.973 $\pm$ 0.032 χ^2 /NDF: 7574856.4/32

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 ± 0.060 $\chi^2/\text{NDF}: 8.6/15$

Left Out: -0.032 ± 0.079 $\chi^2/\text{NDF}: 19.3/15$

Right Out: 0.064 ± 0.055 $\chi^2/\text{NDF}: 22.2/18$

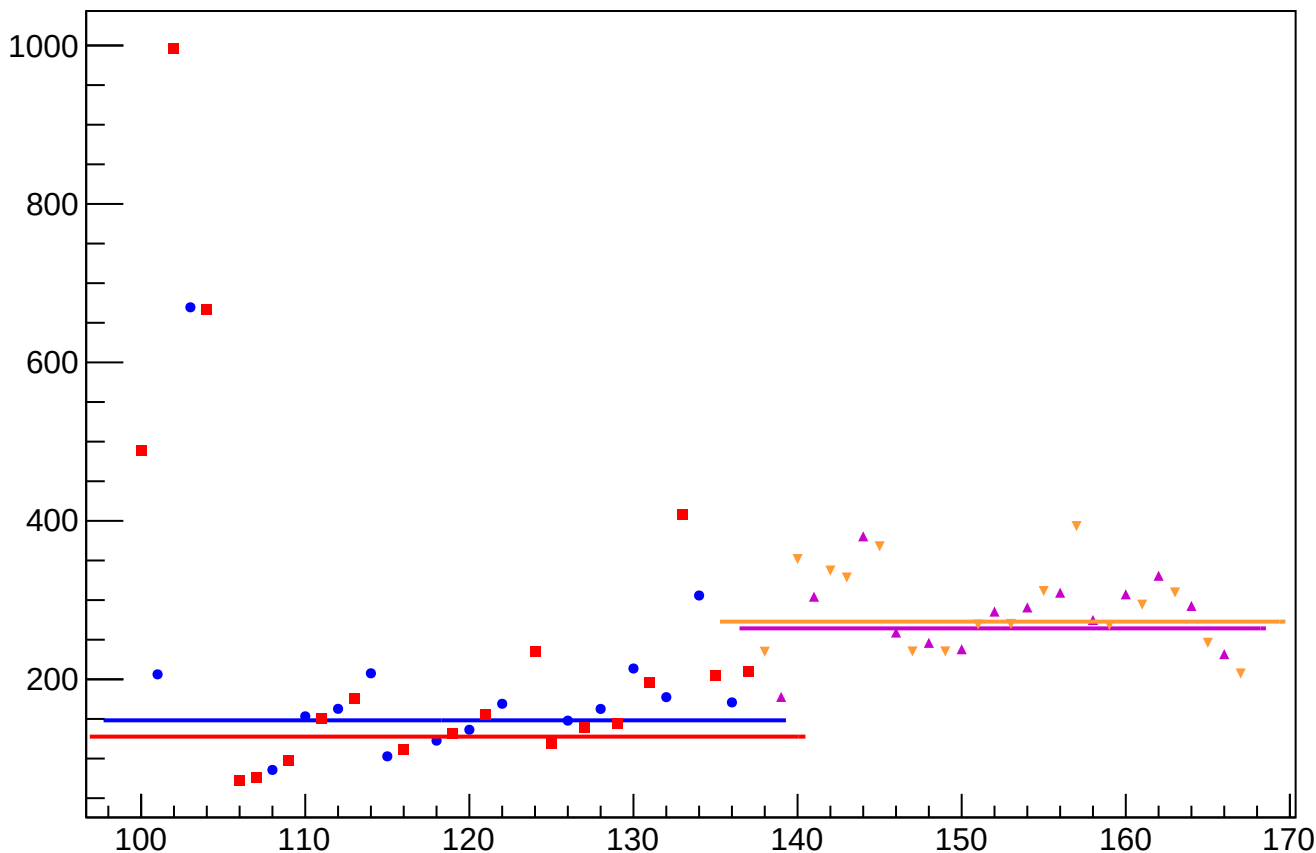
Left In: -0.016 ± 0.080 $\chi^2/\text{NDF}: 20.8/13$

+ sign 0.018 ± 0.048 $\chi^2/\text{NDF}: 28.5/31$

All: 0.029 ± 0.033 $\chi^2/\text{NDF}: 72.3/64$

- sign 0.038 ± 0.045 $\chi^2/\text{NDF}: 43.7/32$

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240 $\pm$ 0.042 χ^2 /NDF: 1710035.6/15

Left Out: 272.825 $\pm$ 0.056 χ^2 /NDF: 770194.7/15

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

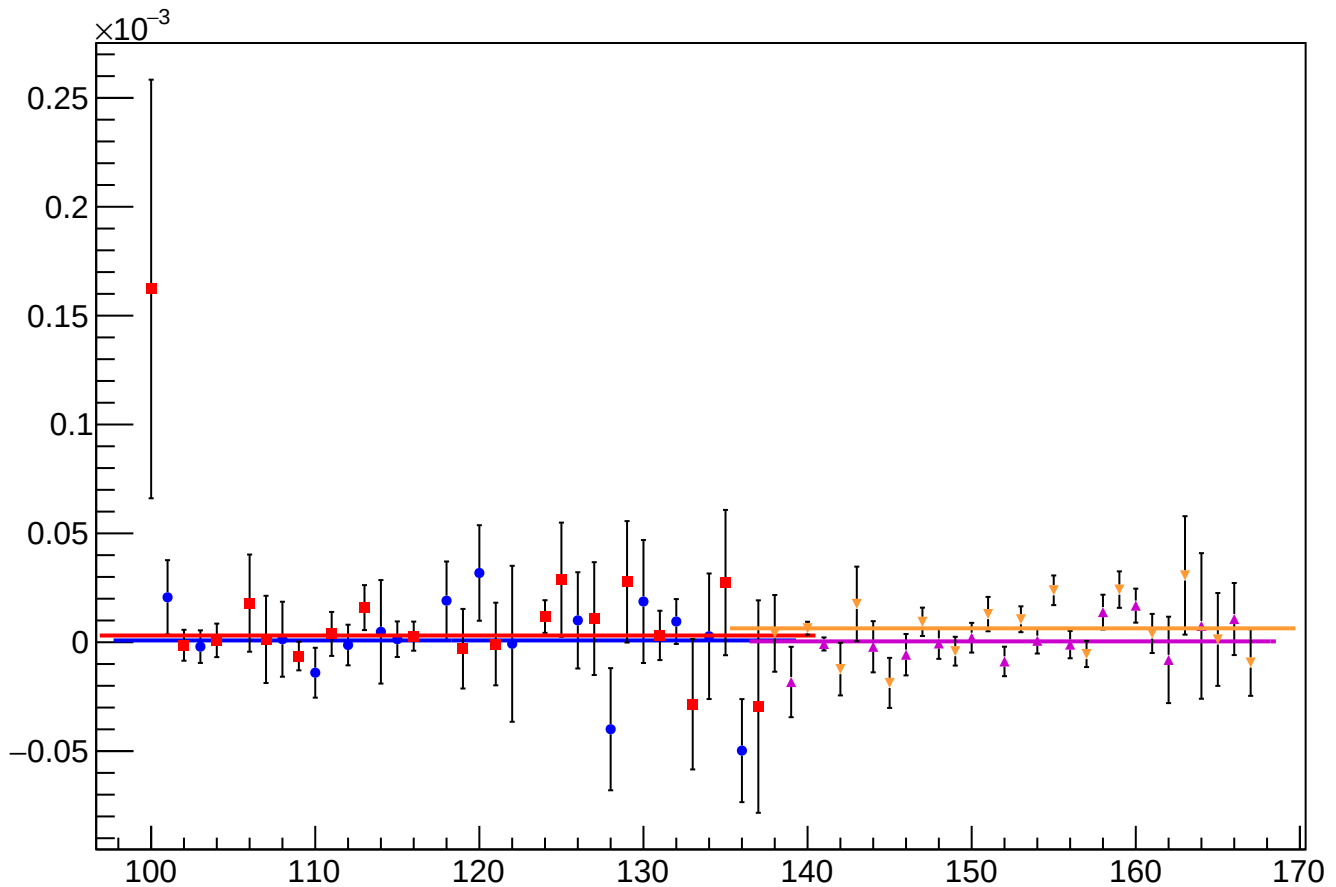
Left In: 264.308 $\pm$ 0.057 χ^2 /NDF: 775119.4/13

+ sign 194.024 $\pm$ 0.034 χ^2 /NDF: 5646024.3/31

All: 181.864 $\pm$ 0.023 χ^2 /NDF: 13466822.4/64

- sign 170.973 $\pm$ 0.032 χ^2 /NDF: 7574856.4/32

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:28.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

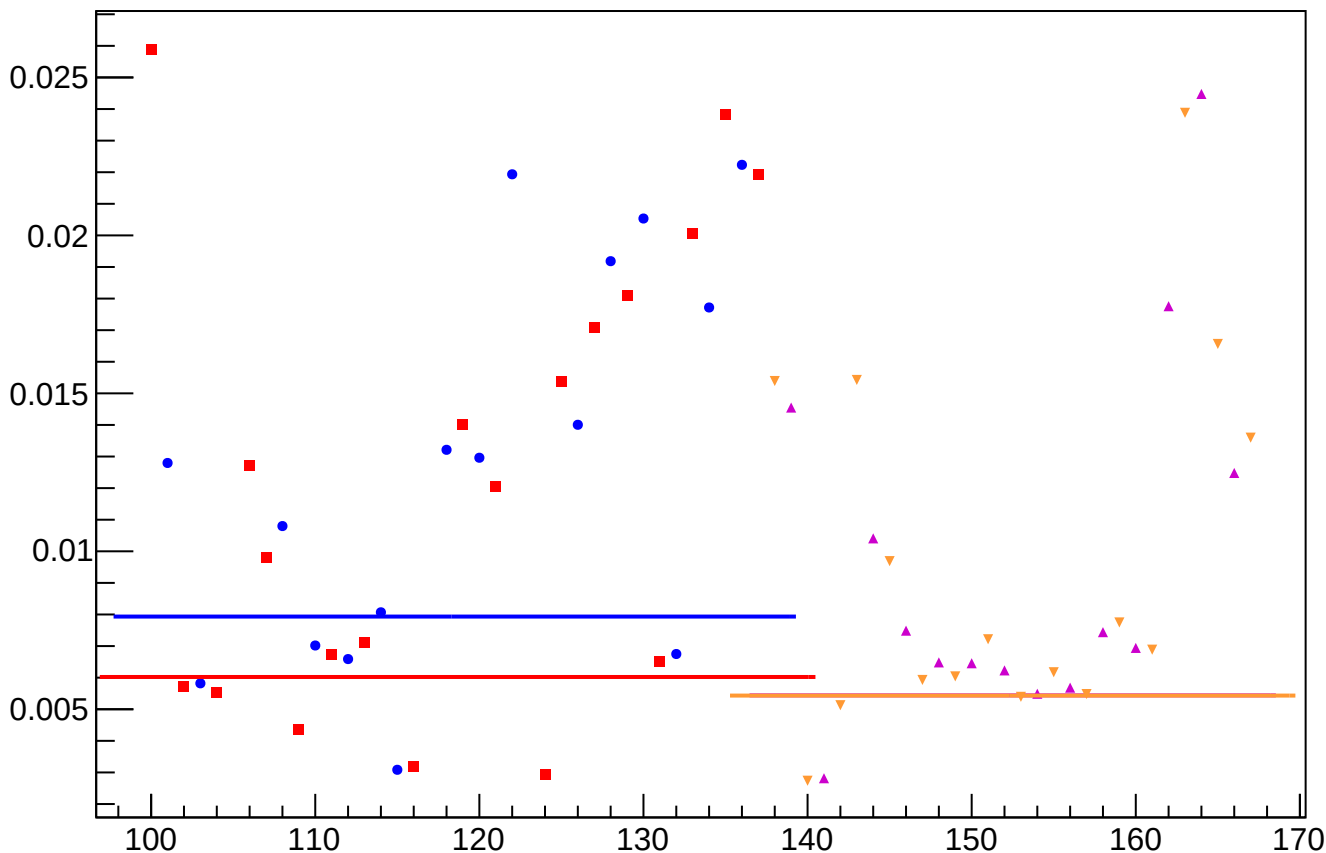
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.7/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 73.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/32

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: 0.005+/-0.000 χ^2/NDF : 5614279.8/15

Right Out: 0.006+/-0.000 χ^2/NDF : 4009592.0/18

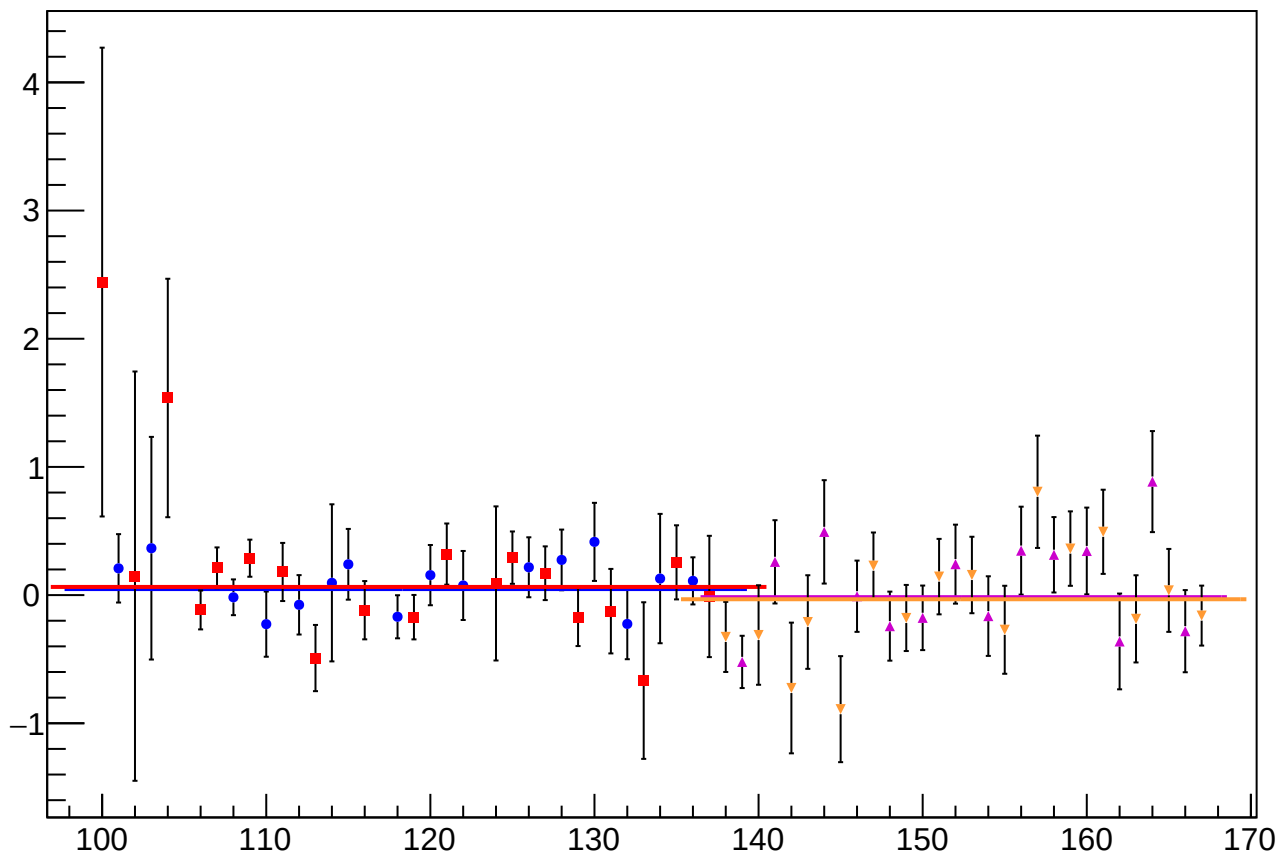
Left In: 0.005+/-0.000 χ^2/NDF : 4713799.5/13

+ sign 0.006+/-0.000 χ^2/NDF : 10013342.7/31

All: 0.006+/-0.000 χ^2/NDF : 18848024.8/64

- sign 0.006+/-0.000 χ^2/NDF : 8788716.0/32

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047 ± 0.060 $\chi^2/\text{NDF}: 8.6/15$

Left Out: -0.032 ± 0.079 $\chi^2/\text{NDF}: 19.3/15$

Right Out: 0.064 ± 0.055 $\chi^2/\text{NDF}: 22.2/18$

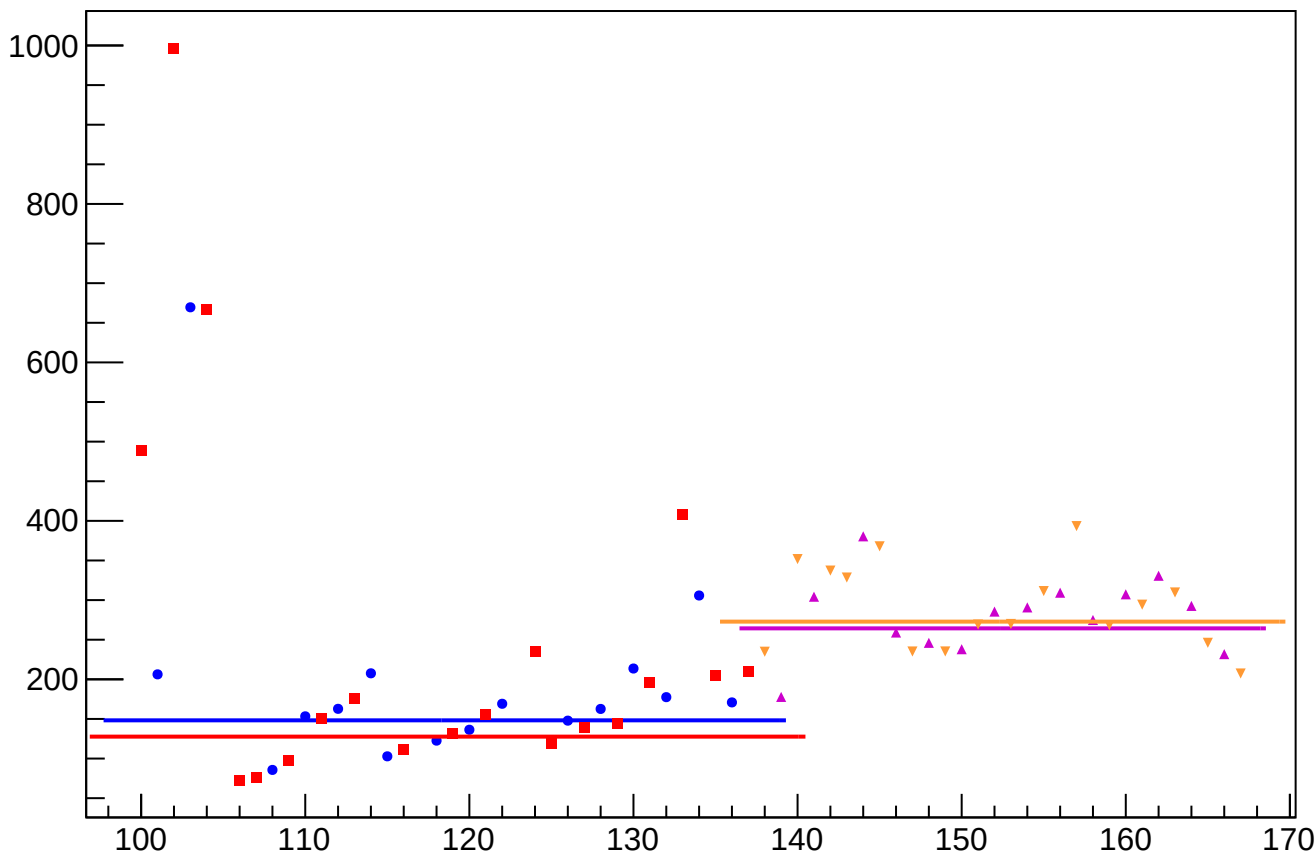
Left In: -0.016 ± 0.080 $\chi^2/\text{NDF}: 20.8/13$

+ sign 0.018 ± 0.048 $\chi^2/\text{NDF}: 28.5/31$

All: 0.029 ± 0.033 $\chi^2/\text{NDF}: 72.3/64$

- sign 0.038 ± 0.045 $\chi^2/\text{NDF}: 43.7/32$

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF : 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF : 770166.3/15

Right Out: 127.685+/-0.039 χ^2/NDF : 2841772.5/18

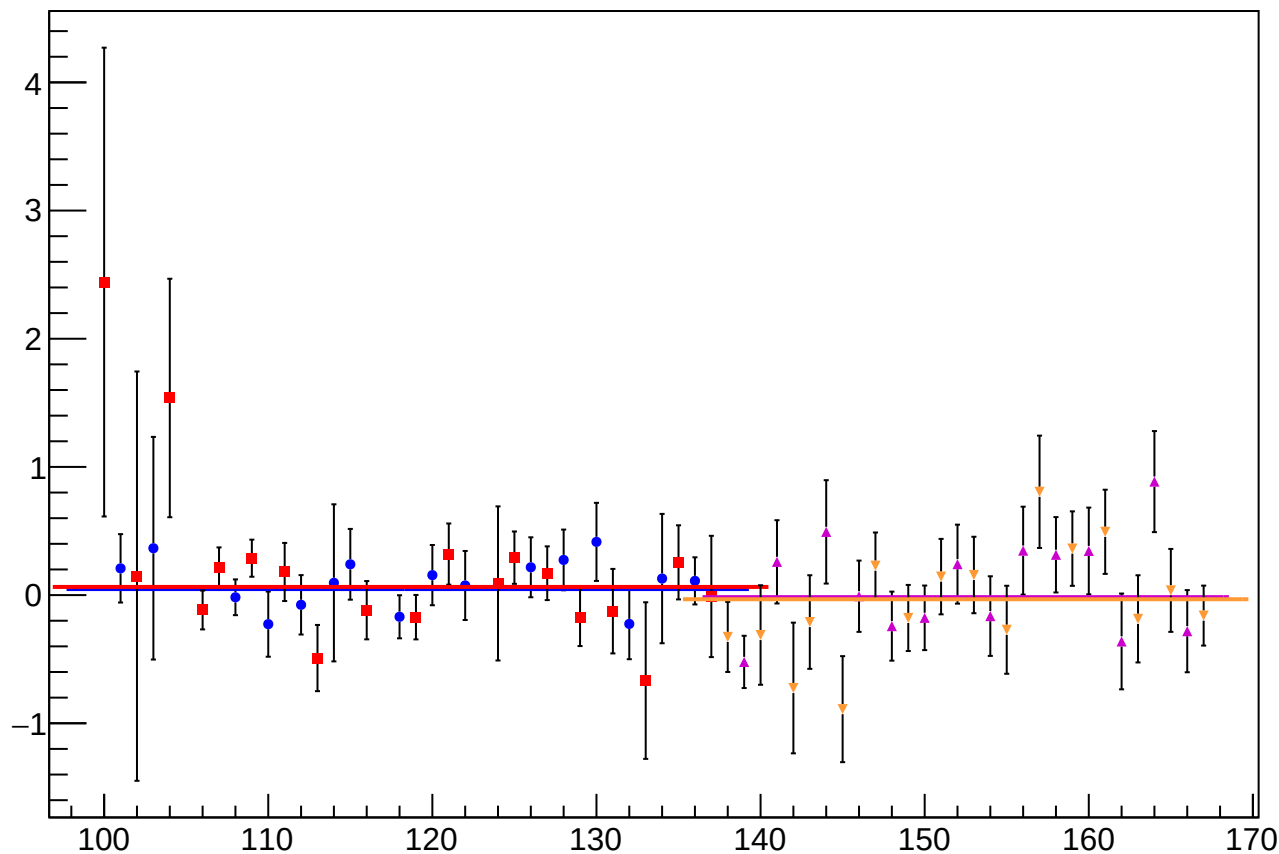
Left In: 264.312+/-0.057 χ^2/NDF : 775091.9/13

+ sign 194.022+/-0.034 χ^2/NDF : 5646378.4/31

All: 181.864+/-0.023 χ^2/NDF : 13467223.9/64

- sign 170.973+/-0.032 χ^2/NDF : 7574947.2/32

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 ± 0.060 χ^2/NDF : 8.6/15

Left Out: -0.032 ± 0.079 χ^2/NDF : 19.3/15

Right Out: 0.064 ± 0.055 χ^2/NDF : 22.2/18

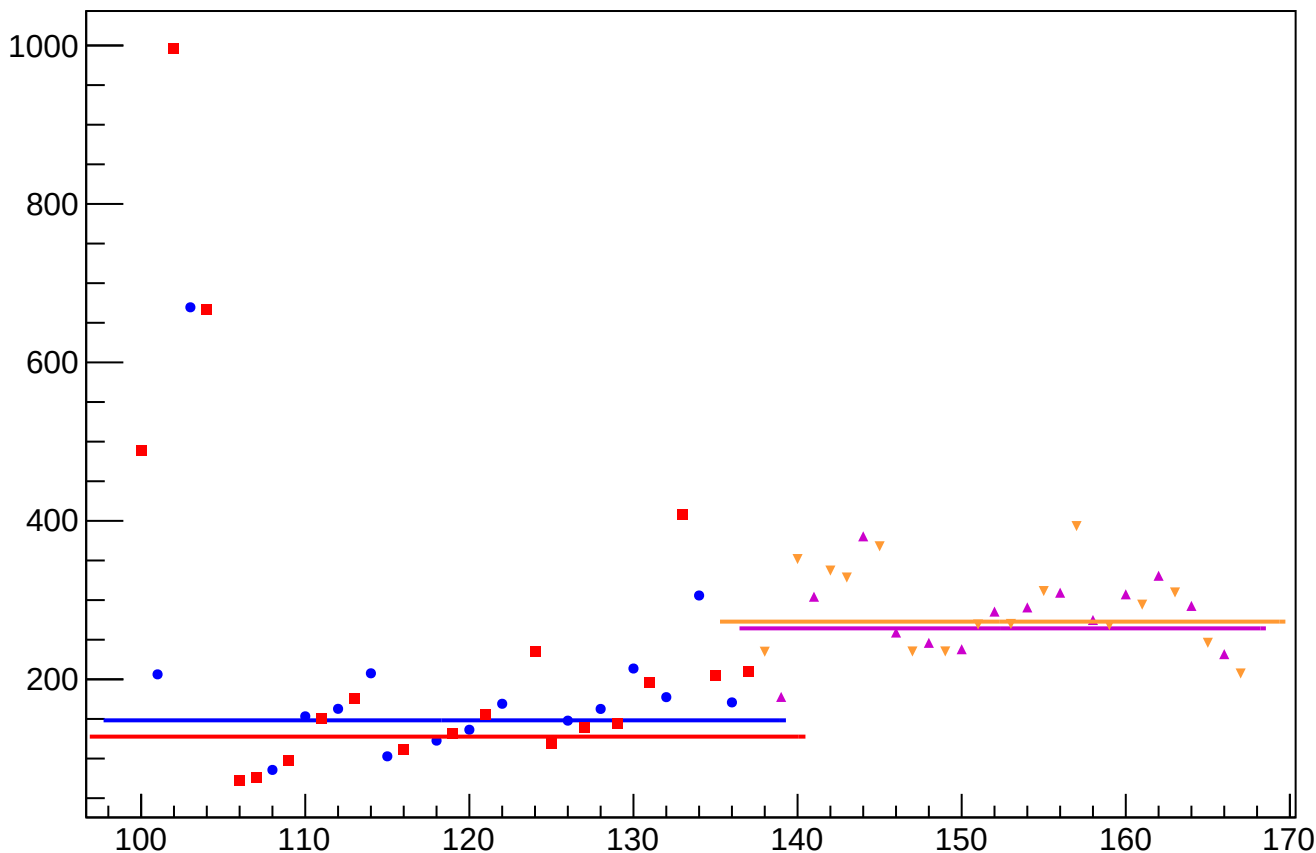
Left In: -0.016 ± 0.080 χ^2/NDF : 20.8/13

+ sign 0.018 ± 0.048 χ^2/NDF : 28.5/31

All: 0.029 ± 0.033 χ^2/NDF : 72.3/64

- sign 0.038 ± 0.045 χ^2/NDF : 43.7/32

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.238 $\pm$ 0.042 χ^2 /NDF: 1710114.4/15

Left Out: 272.829 $\pm$ 0.056 χ^2 /NDF: 770166.3/15

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841772.5/18

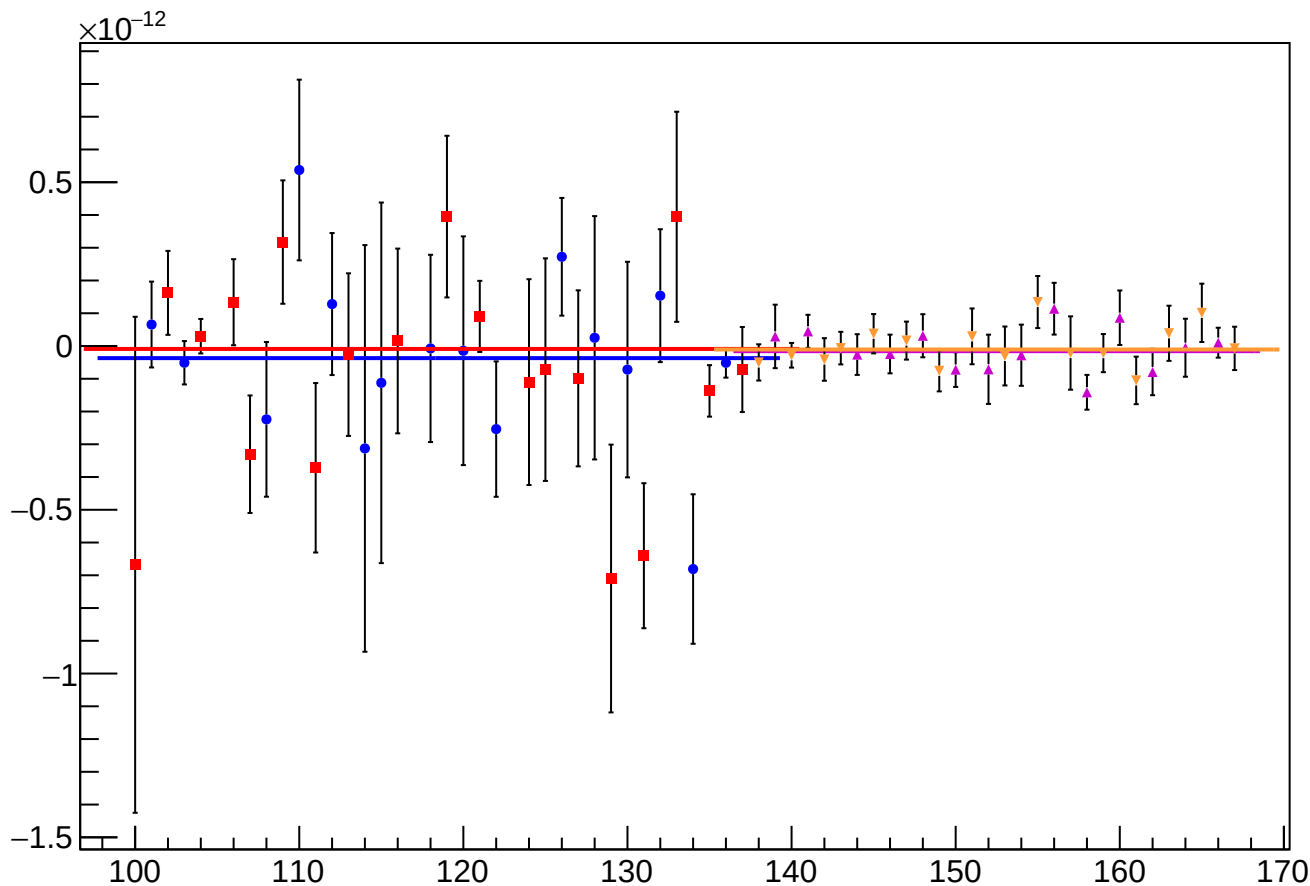
Left In: 264.312 $\pm$ 0.057 χ^2 /NDF: 775091.9/13

+ sign 194.022 $\pm$ 0.034 χ^2 /NDF: 5646378.4/31

All: 181.864 $\pm$ 0.023 χ^2 /NDF: 13467223.9/64

- sign 170.973 $\pm$ 0.032 χ^2 /NDF: 7574947.2/32

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 : 10.1/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.8/18

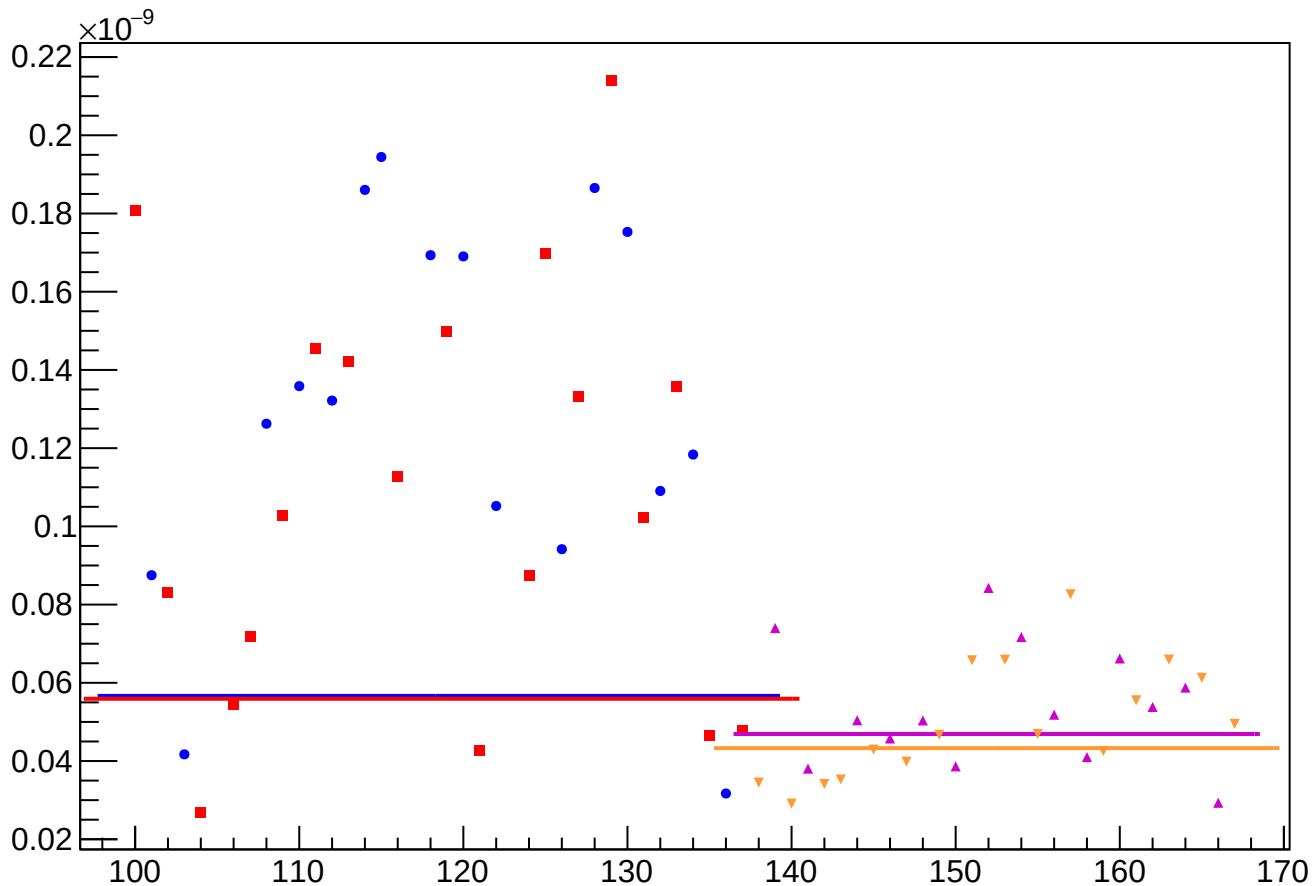
Left In: -0.000 ± 0.000 χ^2/NDF : 14.6/13

+ sign -0.000 ± 0.000 χ^2/NDF : 30.2/31

All: -0.000 ± 0.000 χ^2/NDF : 76.5/64

- sign -0.000 ± 0.000 χ^2/NDF : 46.4/32

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3113213.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1256828.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2732977.9/18

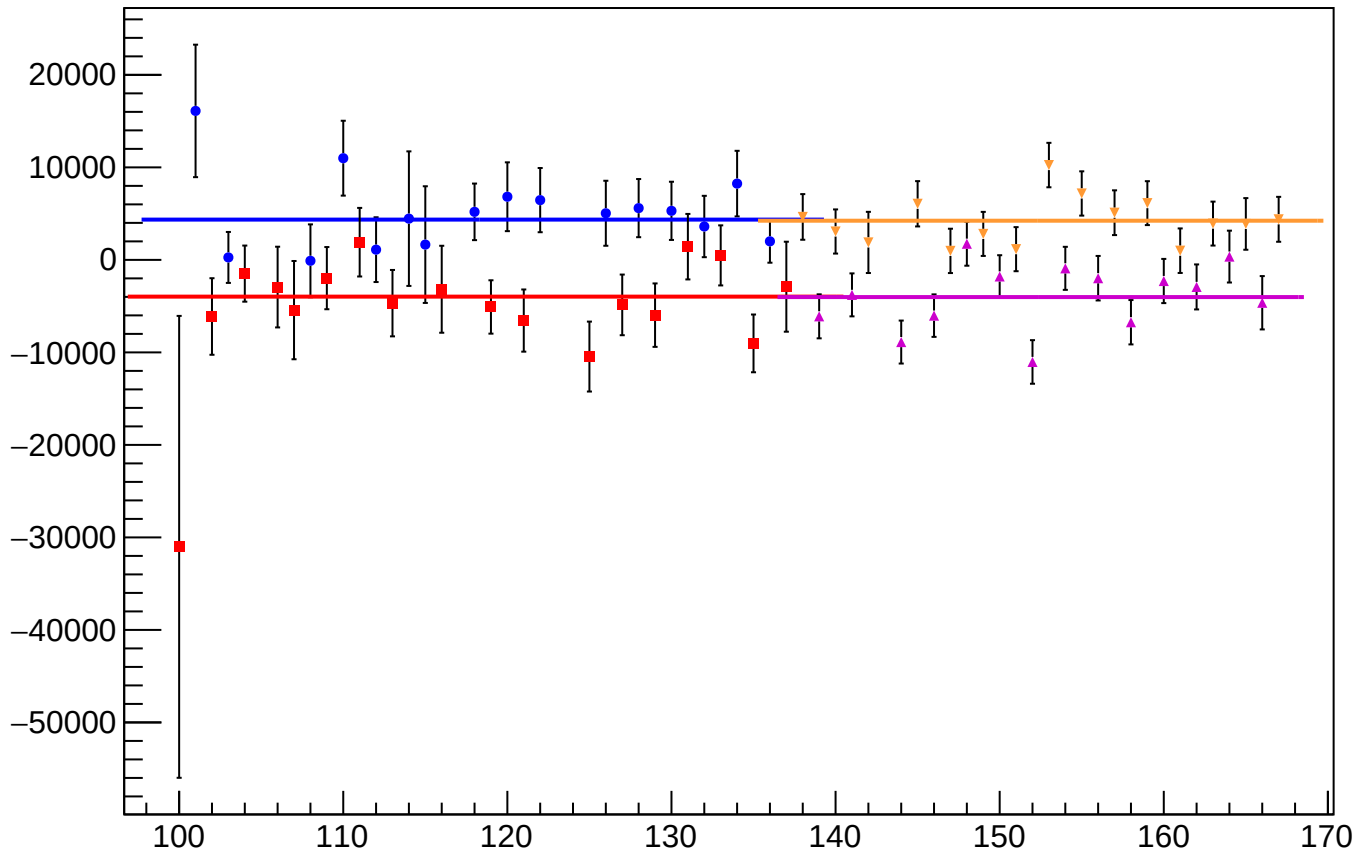
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :1161932.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4647282.5/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8707467.0/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4017420.7/32

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350 ± 875.155 χ^2/NDF : 13.4/15

Left Out: 4234.619 ± 636.424 χ^2/NDF : 15.6/14

Right Out: -3971.679 ± 871.305 χ^2/NDF : 16.2/17

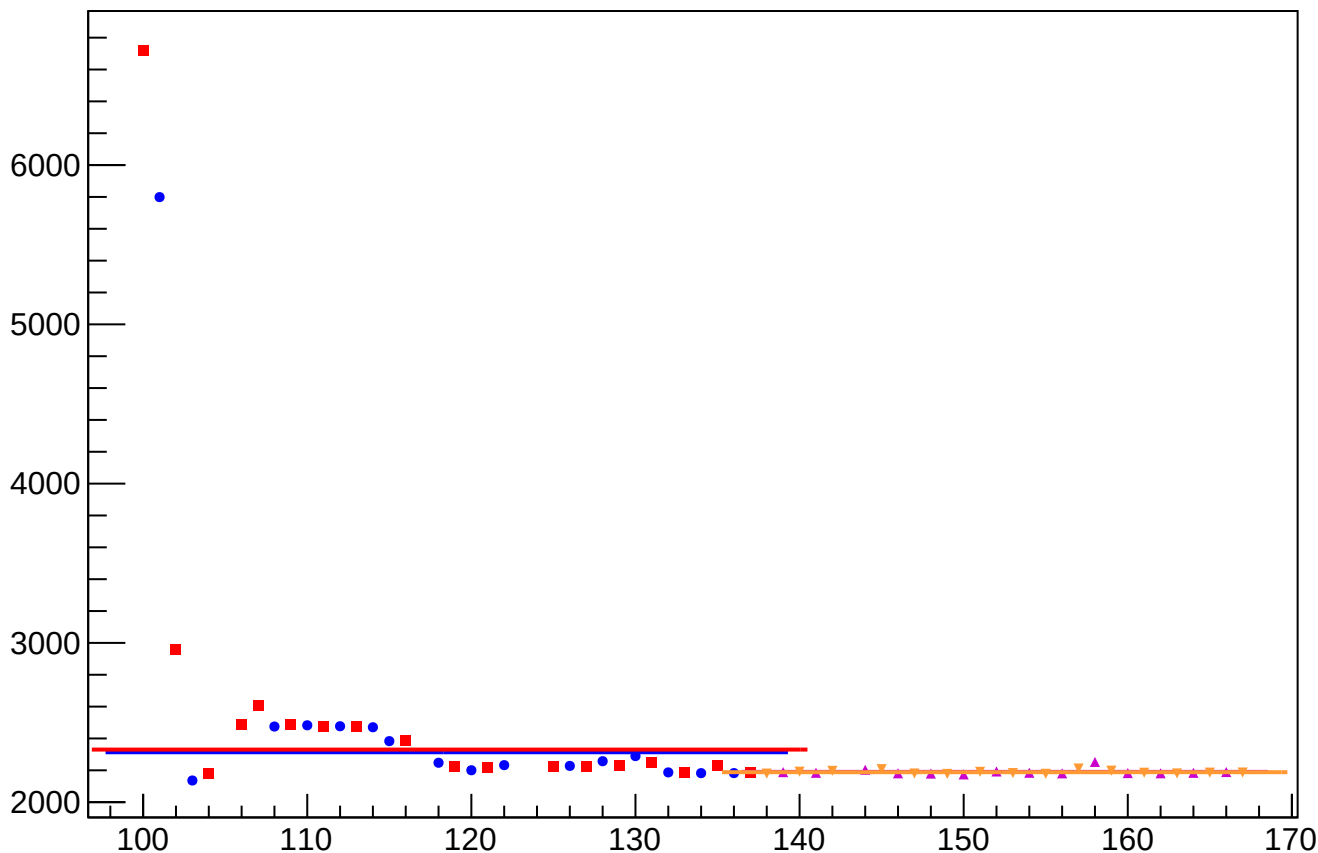
Left In: -4019.683 ± 644.513 χ^2/NDF : 28.6/13

+ sign 4276.035 ± 514.713 χ^2/NDF : 29.0/30

All: 164.274 ± 365.169 χ^2/NDF : 202.3/62

- sign -4002.706 ± 518.158 χ^2/NDF : 44.8/31

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413 $\pm$ 0.619 χ^2 /NDF: 512371.8/15

Left Out: 2188.249 $\pm$ 0.450 χ^2 /NDF: 522.5/14

Right Out: 2330.200 $\pm$ 0.616 χ^2 /NDF: 151210.5/17

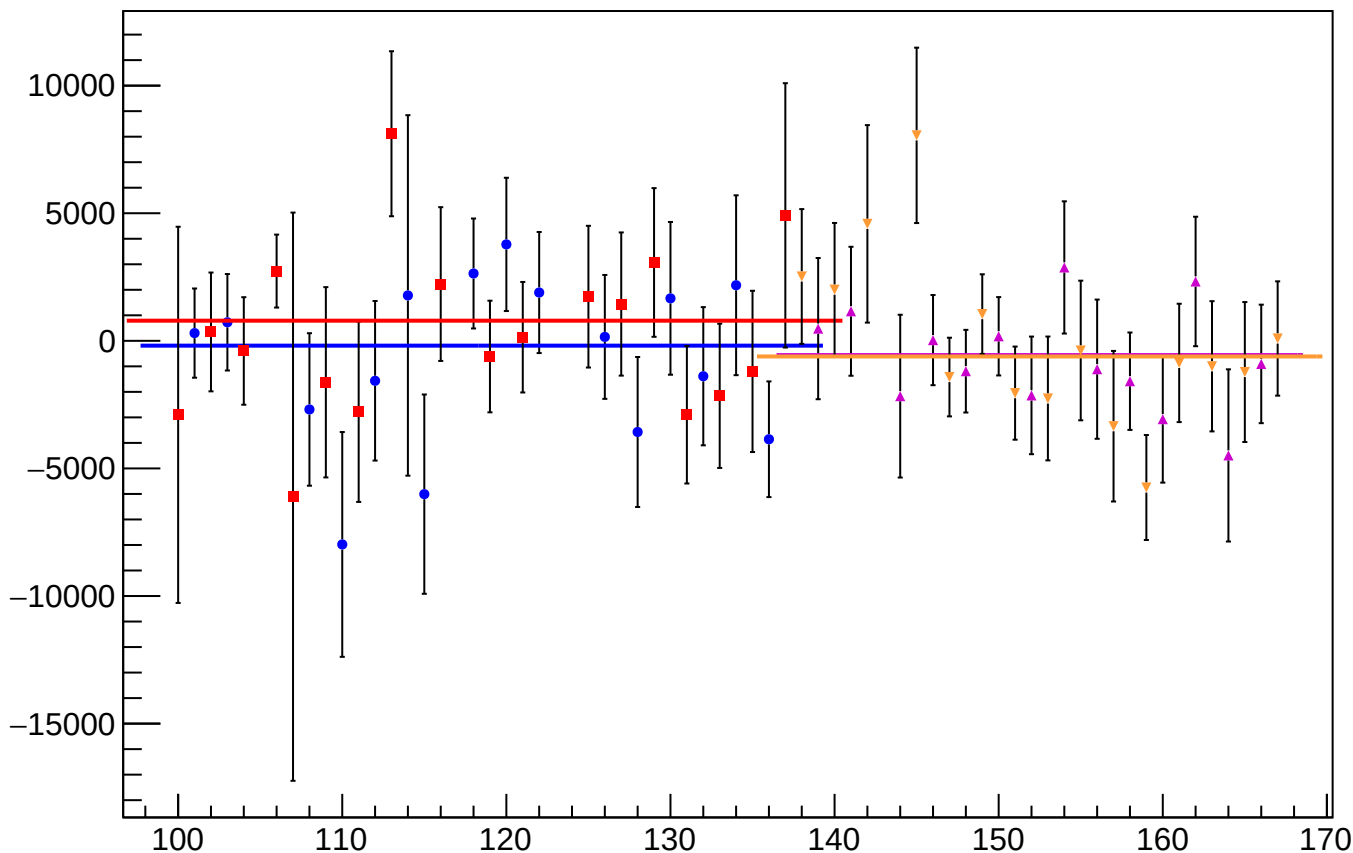
Left In: 2190.092 $\pm$ 0.456 χ^2 /NDF: 1701.7/13

+ sign 2231.545 $\pm$ 0.364 χ^2 /NDF: 539652.5/30

All: 2235.567 $\pm$ 0.258 χ^2 /NDF: 726236.2/62

- sign 2239.643 $\pm$ 0.366 χ^2 /NDF: 186337.8/31

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: -612.425+/-587.237 χ^2/NDF : 20.3/14

Right Out: 789.317+/-634.900 χ^2/NDF : 14.9/17

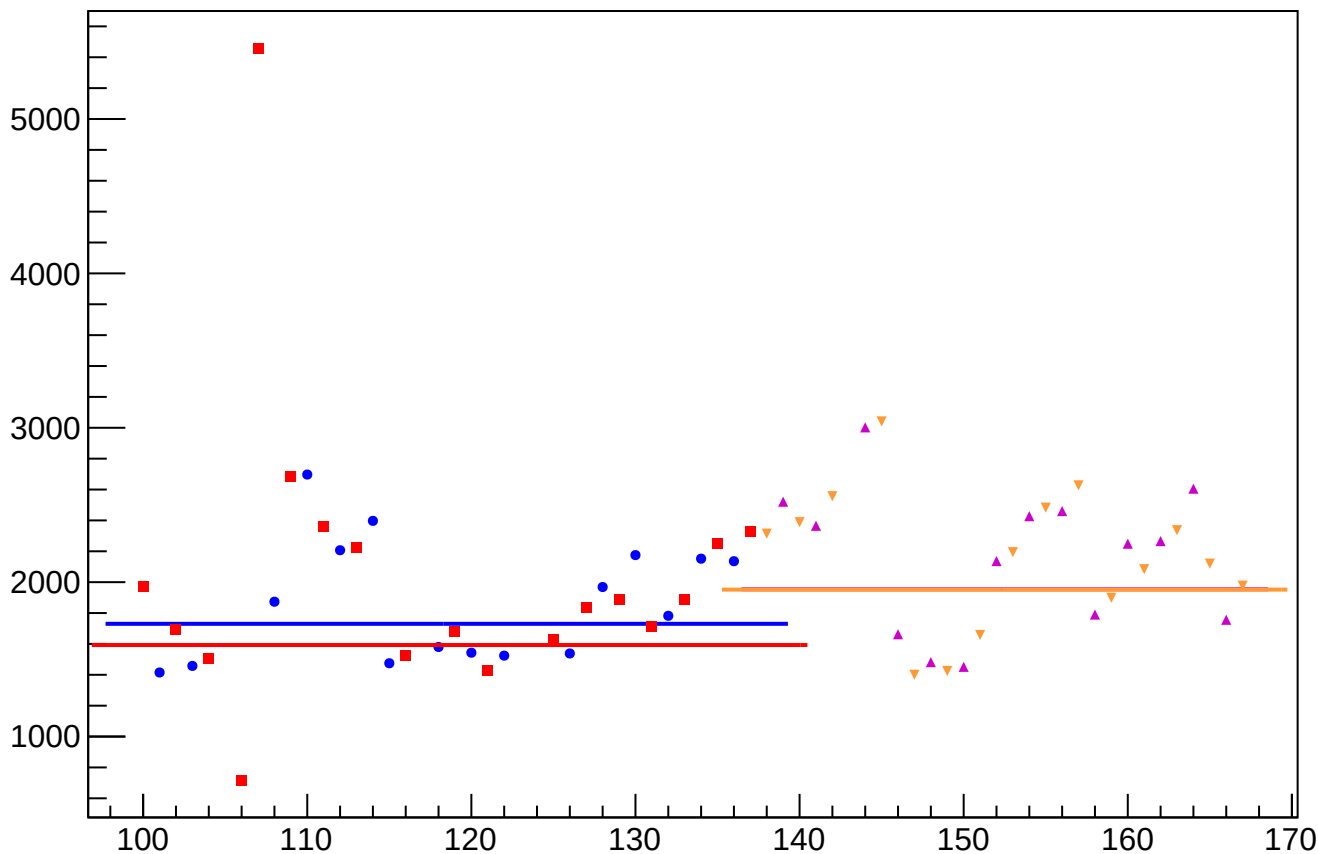
Left In: -559.078+/-592.539 χ^2/NDF : 7.6/13

+ sign -424.652+/-438.228 χ^2/NDF : 37.0/30

All: -175.155+/-308.077 χ^2/NDF : 62.6/62

- sign 68.639+/-433.190 χ^2/NDF : 24.9/31

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: 1951.753+/-0.415 χ^2/NDF : 1140620.6/14

Right Out: 1592.824+/-0.449 χ^2/NDF : 1556204.8/17

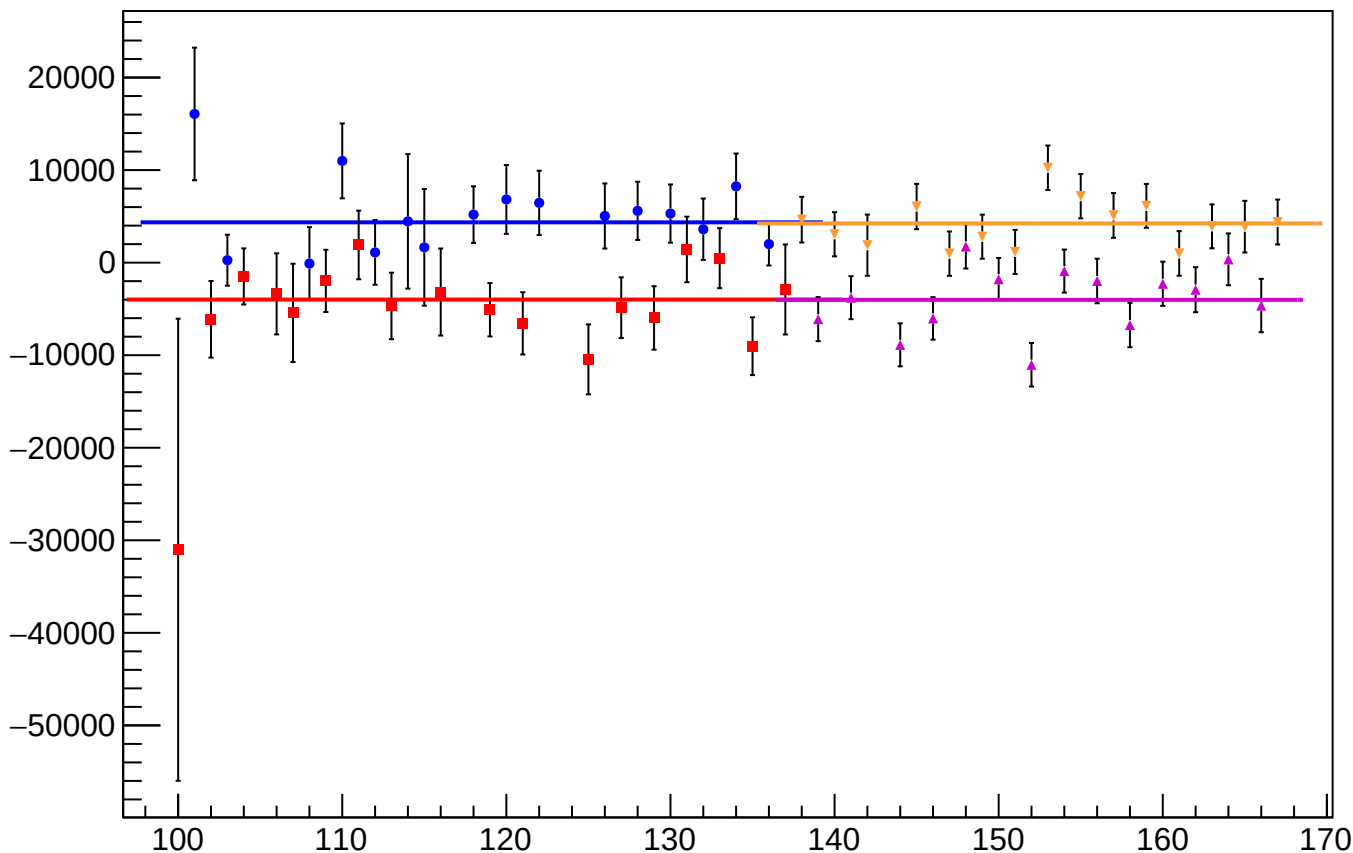
Left In: 1953.940+/-0.419 χ^2/NDF : 1102241.6/13

+ sign 1853.621+/-0.310 χ^2/NDF : 1745597.0/30

All: 1819.334+/-0.218 χ^2/NDF : 4774059.7/62

- sign 1785.830+/-0.306 χ^2/NDF : 3004256.5/31

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: 4234.563 $\pm$ 636.424 χ^2/NDF : 15.6/14

Right Out: -3989.884 $\pm$ 871.455 χ^2/NDF : 16.1/17

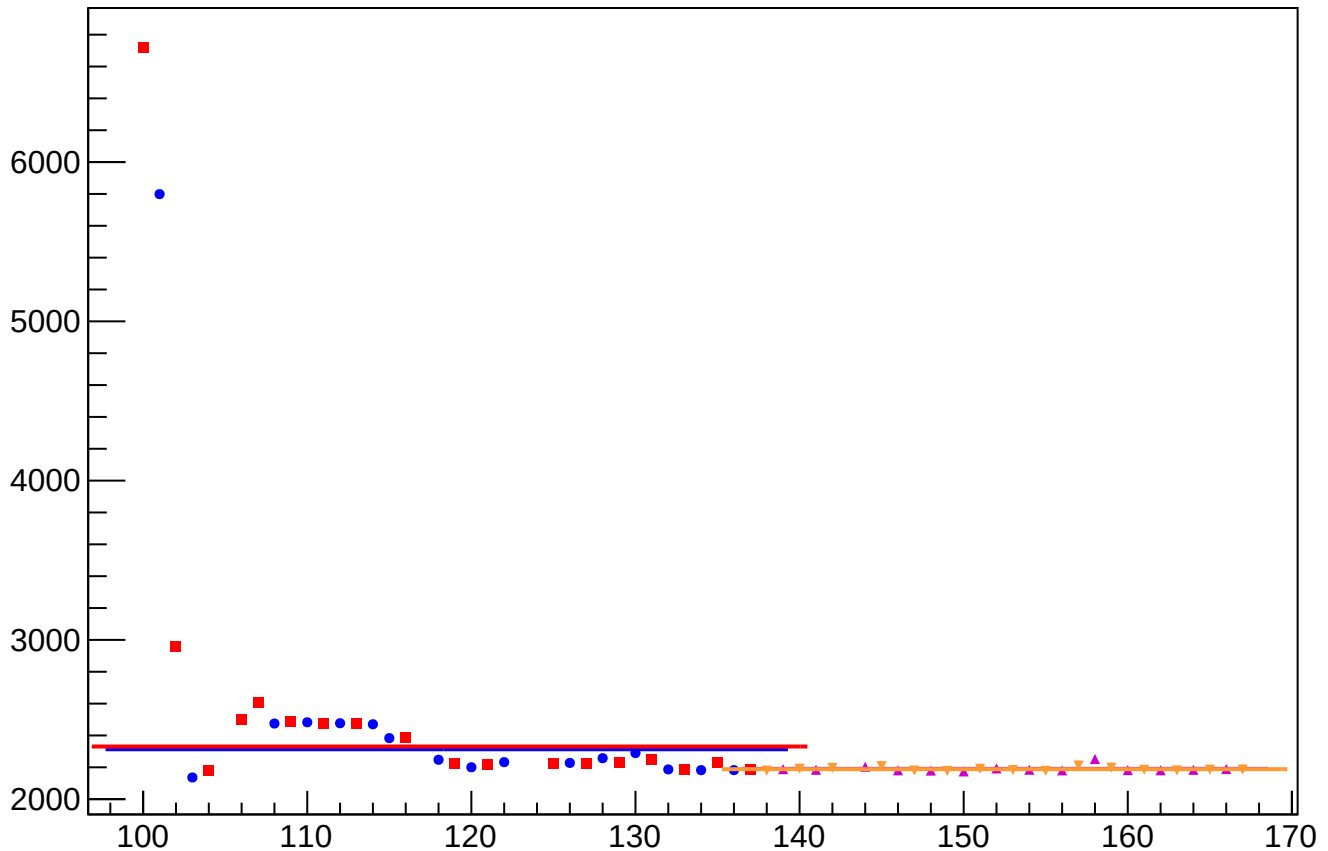
Left In: -4019.821 $\pm$ 644.513 χ^2/NDF : 28.6/13

+ sign 4275.763 $\pm$ 514.714 χ^2/NDF : 29.0/30

All: 161.146 $\pm$ 365.180 χ^2/NDF : 202.4/62

- sign -4009.236 $\pm$ 518.190 χ^2/NDF : 44.7/31

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413 $\pm$ 0.619 χ^2 /NDF: 512372.3/15

Left Out: 2188.249 $\pm$ 0.450 χ^2 /NDF: 522.5/14

+ sign 2231.545 $\pm$ 0.364 χ^2 /NDF: 539652.9/30

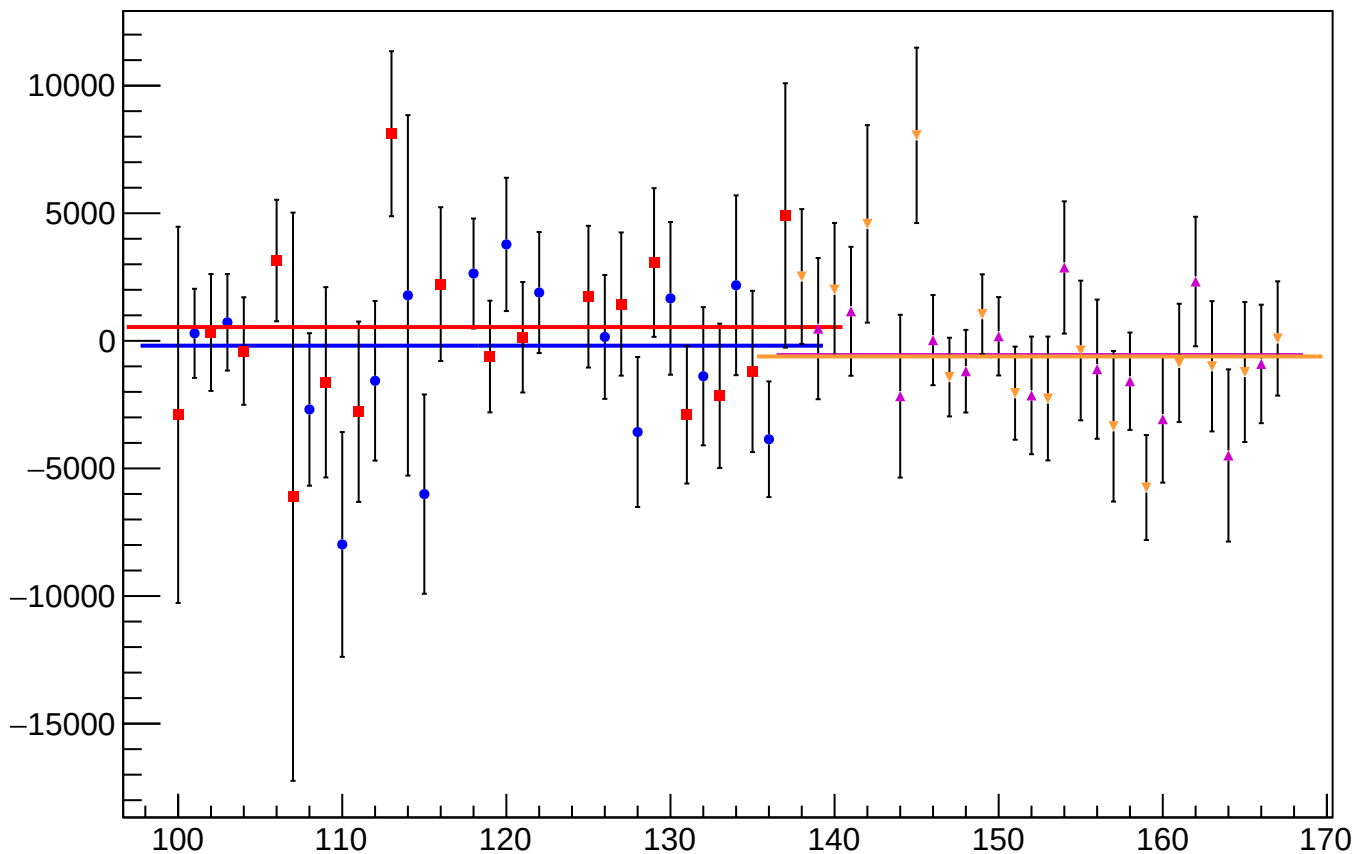
Right Out: 2330.570 $\pm$ 0.616 χ^2 /NDF: 151556.6/17

All: 2235.626 $\pm$ 0.258 χ^2 /NDF: 726759.0/62

Left In: 2190.092 $\pm$ 0.456 χ^2 /NDF: 1701.7/13

- sign 2239.763 $\pm$ 0.366 χ^2 /NDF: 186852.9/31

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: -612.501+/-587.235 χ^2/NDF : 20.3/14

Right Out: 539.517+/-678.214 χ^2/NDF : 13.9/17

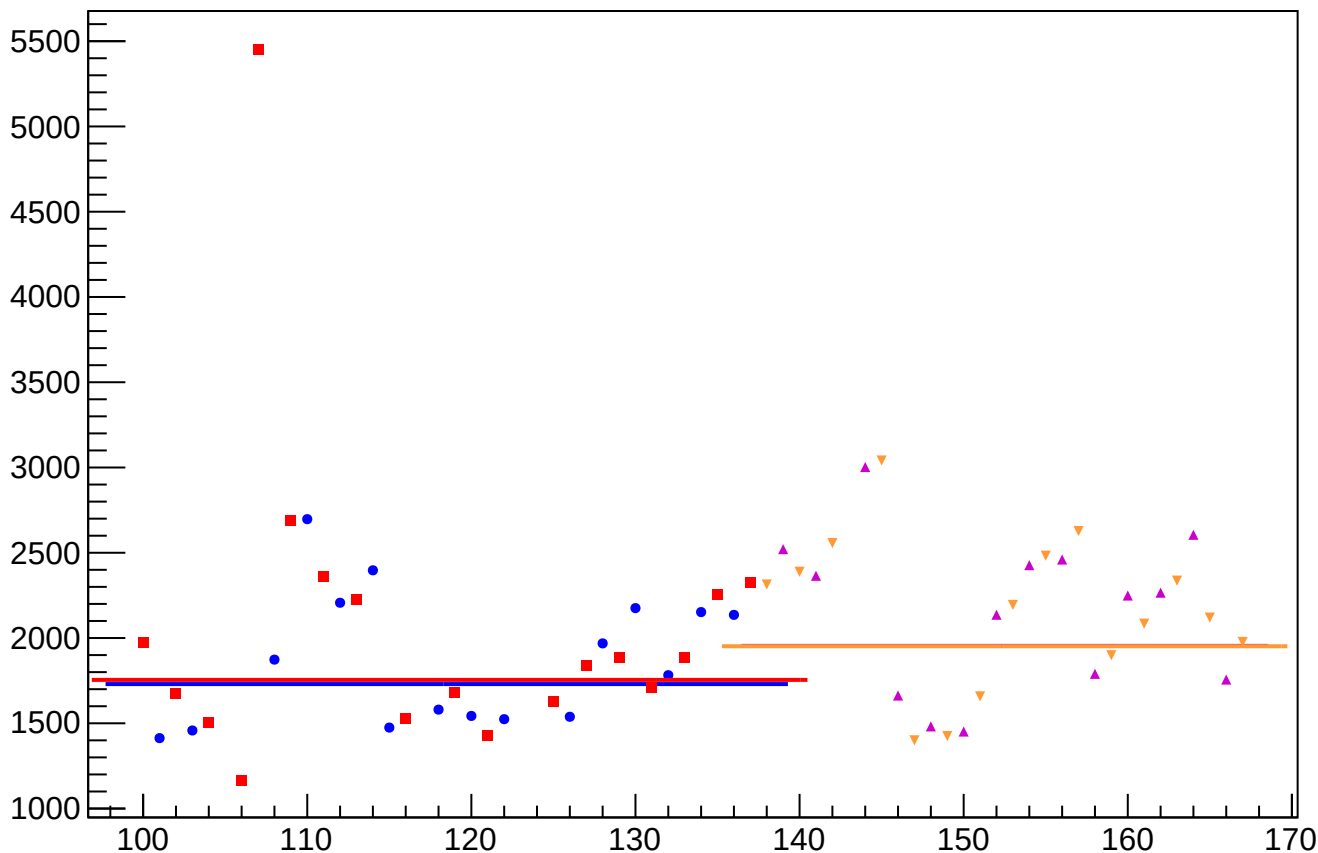
Left In: -559.214+/-592.540 χ^2/NDF : 7.6/13

+ sign -425.143+/-438.189 χ^2/NDF : 37.0/30

All: -257.469+/-312.649 χ^2/NDF : 60.3/62

- sign -83.590+/-446.224 χ^2/NDF : 23.0/31

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898 $\pm$ 0.465 χ^2/NDF : 479898.2/15

Left Out: 1951.746 $\pm$ 0.415 χ^2/NDF : 1140656.2/14

Right Out: 1754.526 $\pm$ 0.480 χ^2/NDF : 751010.0/17

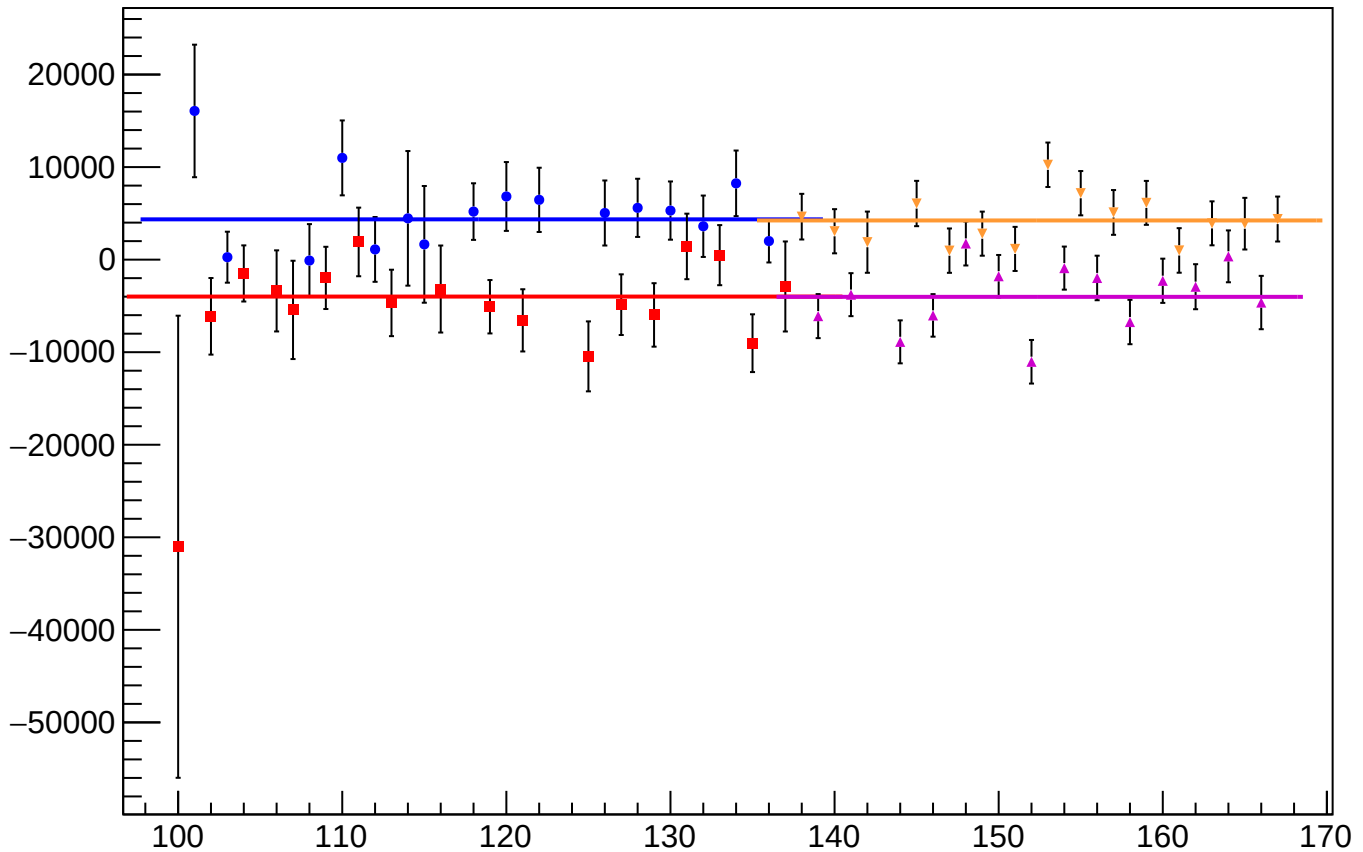
Left In: 1953.944 $\pm$ 0.419 χ^2/NDF : 1102263.0/13

+ sign 1853.423 $\pm$ 0.310 χ^2/NDF : 1747062.0/30

All: 1860.392 $\pm$ 0.221 χ^2/NDF : 3699426.0/62

- sign 1867.619 $\pm$ 0.316 χ^2/NDF : 1951333.5/31

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: 4234.563 $\pm$ 636.424 χ^2 /NDF:15.6/14

Right Out: -3989.884 $\pm$ 871.455 χ^2 /NDF: 16.1/17

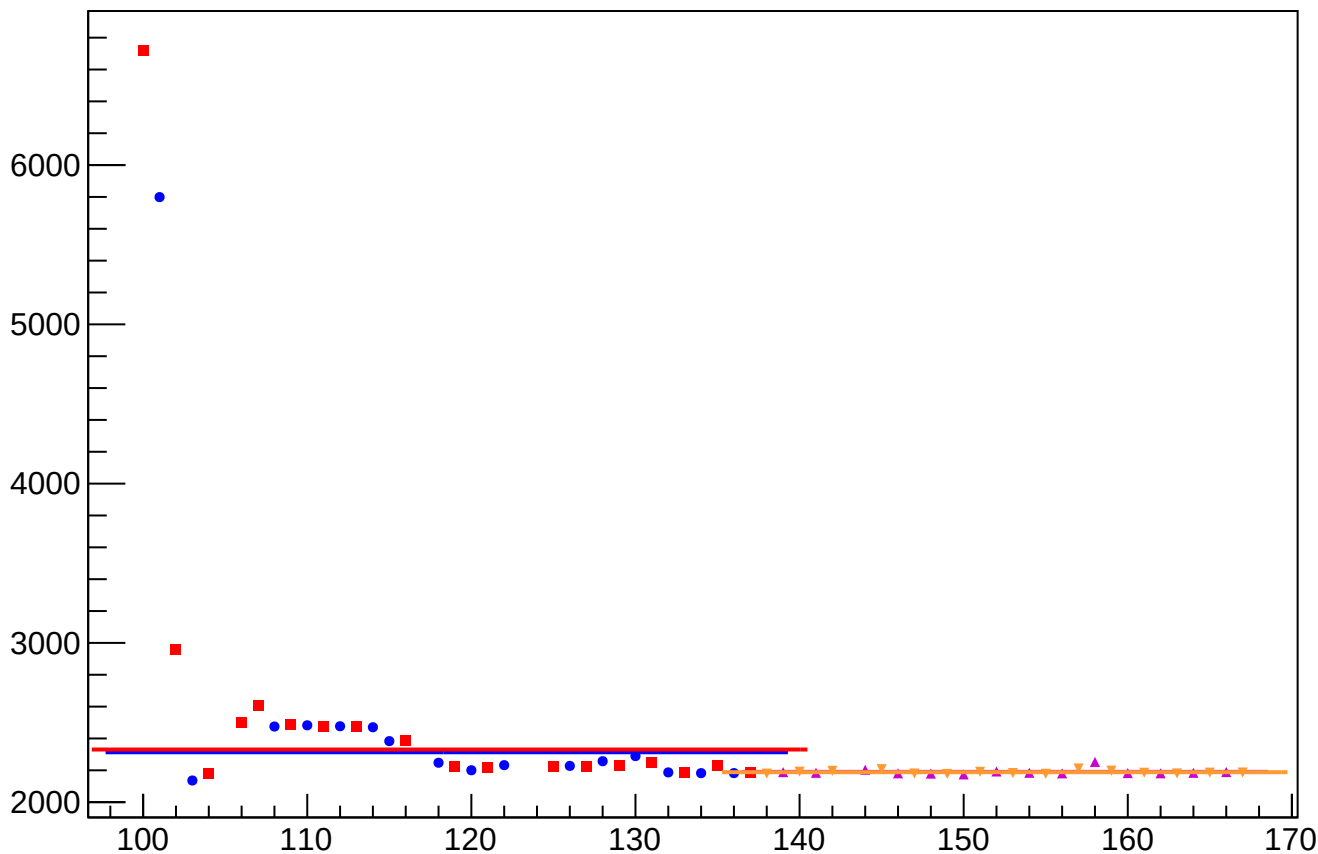
Left In: -4019.821 $\pm$ 644.513 χ^2 /NDF:28.6/13

+ sign 4275.763 $\pm$ 514.714 χ^2 /NDF: 29.0/30

All: 161.146 $\pm$ 365.180 χ^2 /NDF: 202.4/62

- sign -4009.236 $\pm$ 518.190 χ^2 /NDF: 44.7/31

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413 $\pm$ 0.619 χ^2 /NDF: 512372.3/15

Left Out: 2188.249 $\pm$ 0.450 χ^2 /NDF: 522.5/14

Right Out: 2330.570 $\pm$ 0.616 χ^2 /NDF: 151556.6/17

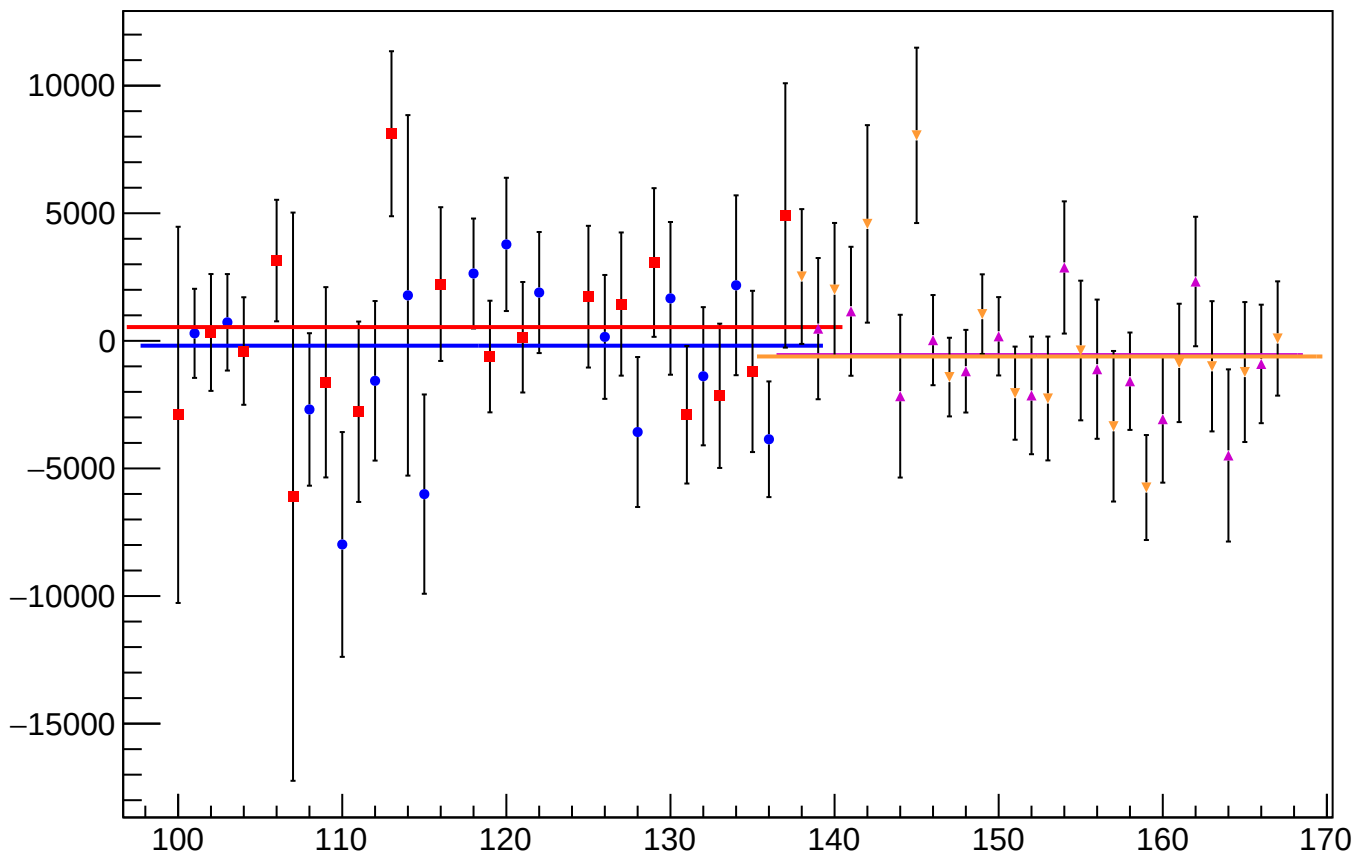
Left In: 2190.092 $\pm$ 0.456 χ^2 /NDF: 1701.7/13

+ sign 2231.545 $\pm$ 0.364 χ^2 /NDF: 539652.9/30

All: 2235.626 $\pm$ 0.258 χ^2 /NDF: 726759.0/62

- sign 2239.763 $\pm$ 0.366 χ^2 /NDF: 186852.9/31

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -189.762+/-658.205 χ^2/NDF : 16.4/15

Left Out: -612.501+/-587.235 χ^2/NDF : 20.3/14

Right Out: 539.517+/-678.214 χ^2/NDF : 13.9/17

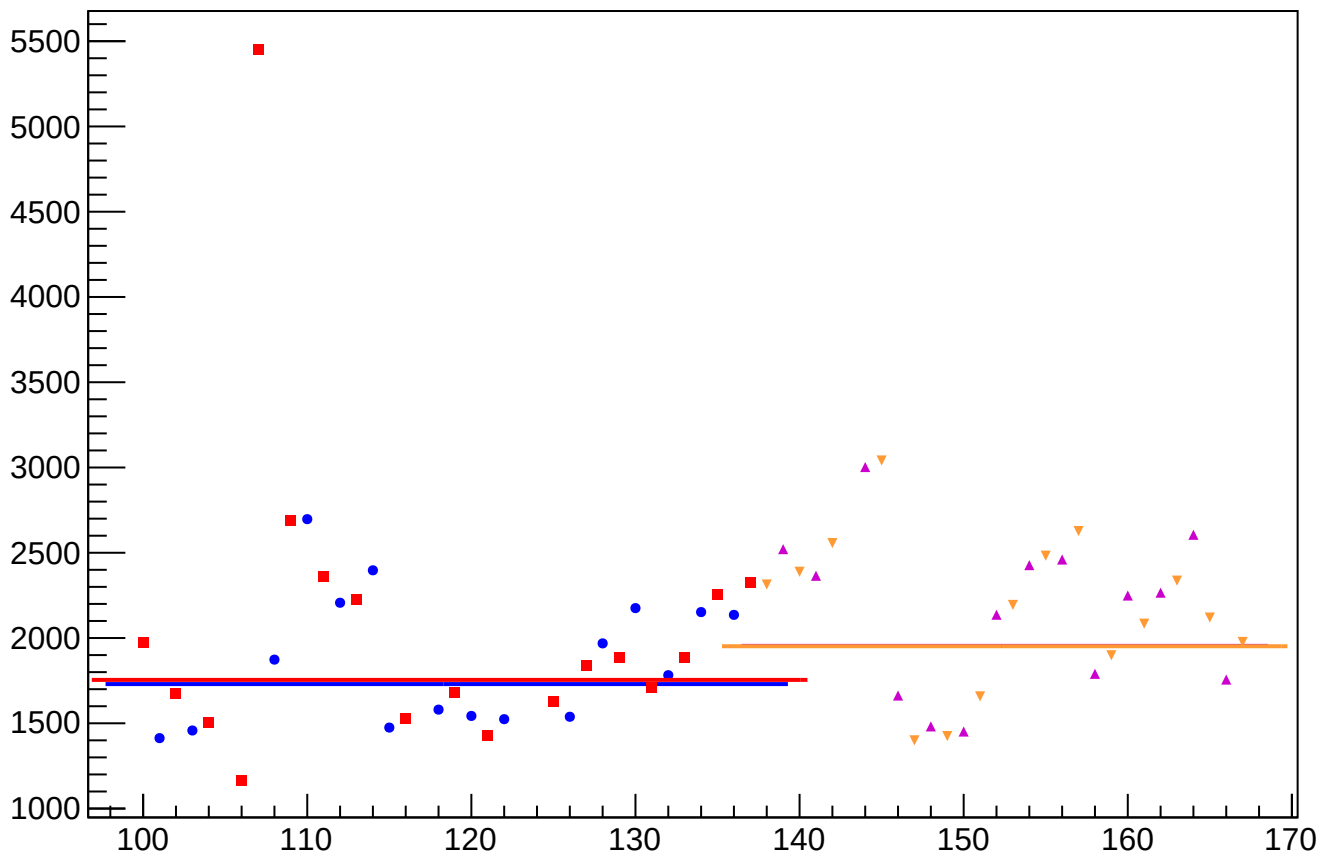
Left In: -559.214+/-592.540 χ^2/NDF : 7.6/13

+ sign -425.143+/-438.189 χ^2/NDF : 37.0/30

All: -257.469+/-312.649 χ^2/NDF : 60.3/62

- sign -83.590+/-446.224 χ^2/NDF : 23.0/31

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1729.898 $\pm$ 0.465 χ^2 /NDF: 479898.2/15

Left Out: 1951.746 $\pm$ 0.415 χ^2 /NDF: 1140656.2/14

Right Out: 1754.526 $\pm$ 0.480 χ^2 /NDF: 751010.0/17

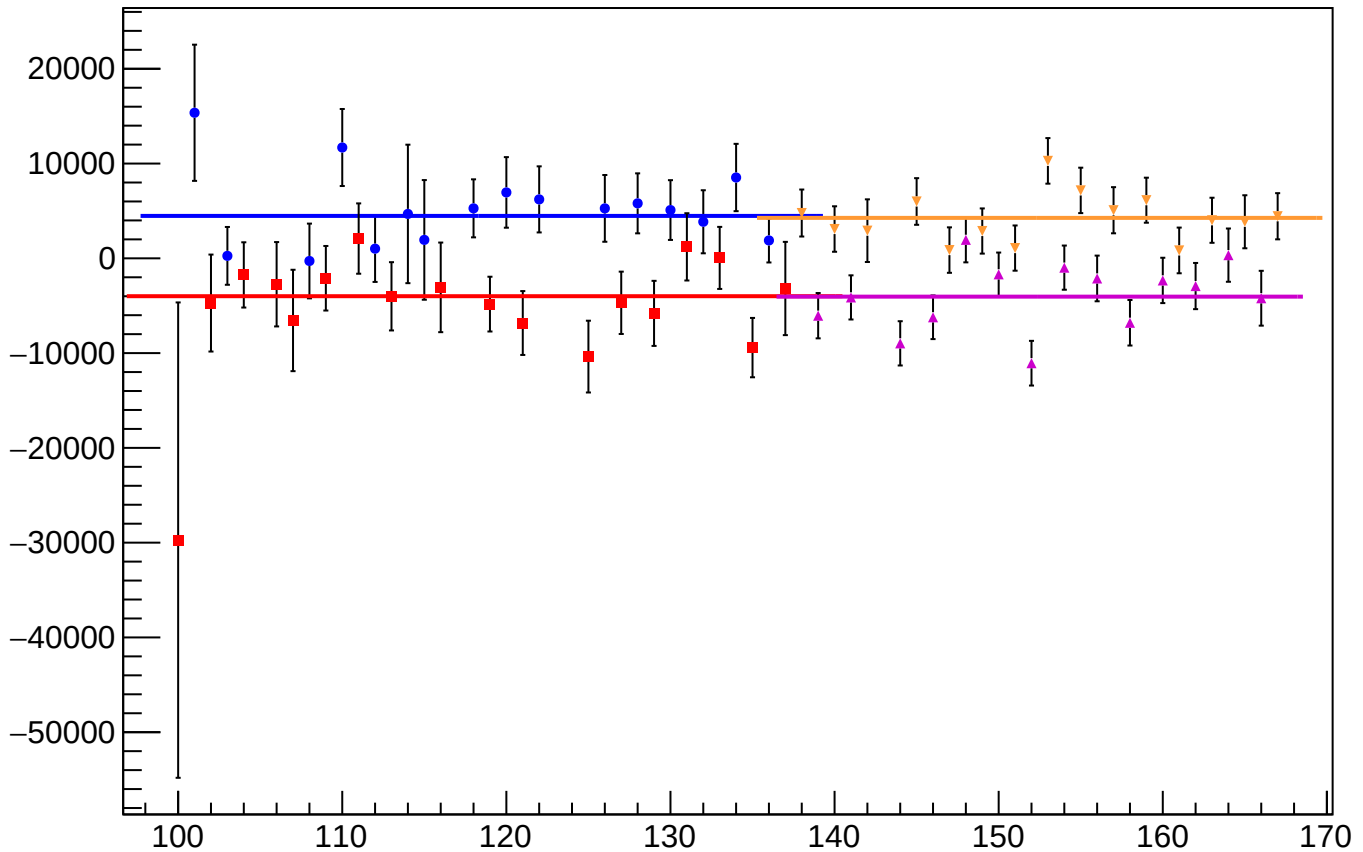
Left In: 1953.944 $\pm$ 0.419 χ^2 /NDF: 1102263.0/13

+ sign 1853.423 $\pm$ 0.310 χ^2 /NDF: 1747062.0/30

All: 1860.392 $\pm$ 0.221 χ^2 /NDF: 3699426.0/62

- sign 1867.619 $\pm$ 0.316 χ^2 /NDF: 1951333.5/31

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: 4267.684 $\pm$ 638.027 χ^2 /NDF:15.6/14

Right Out: -3995.807 $\pm$ 890.441 χ^2 /NDF: 15.5/17

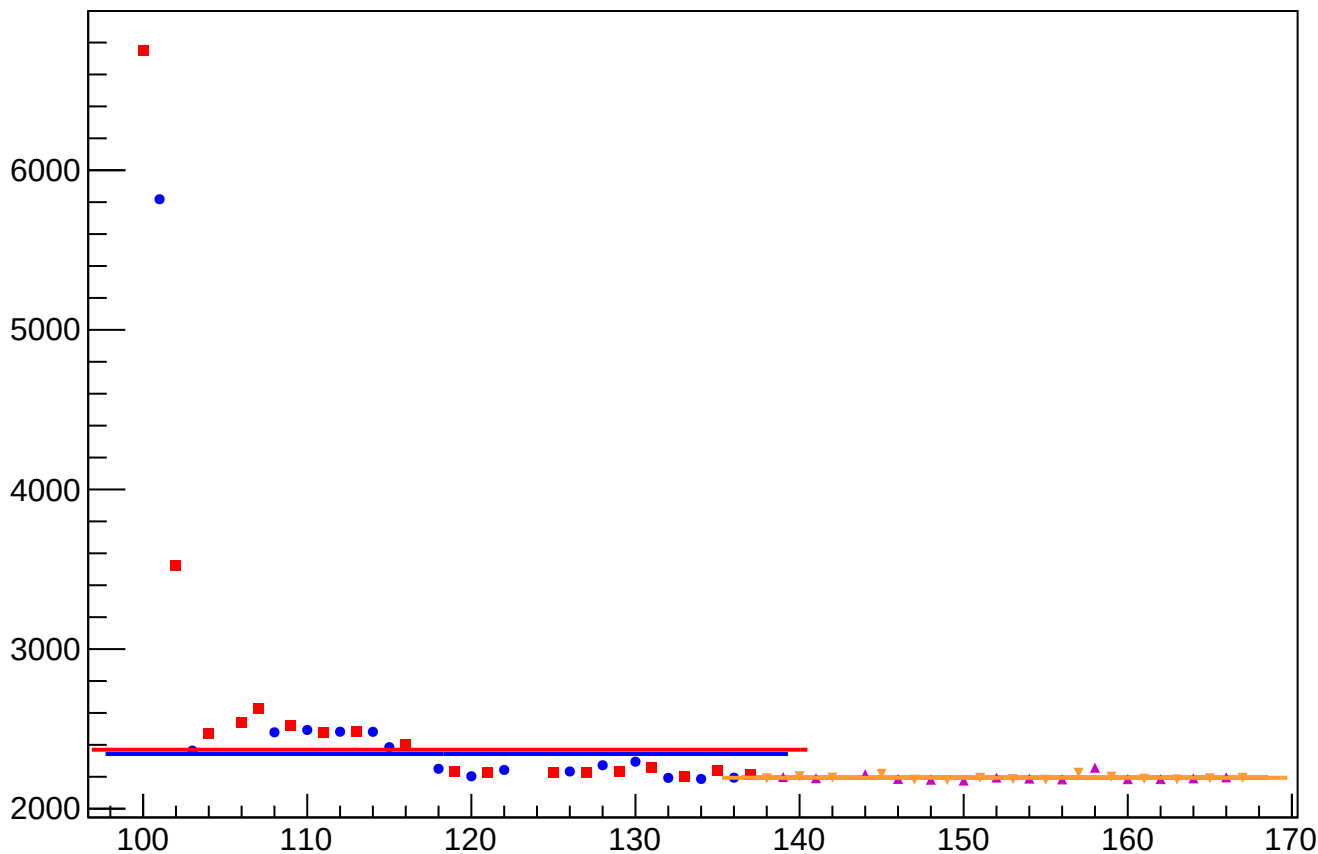
Left In: -4042.217 $\pm$ 646.044 χ^2 /NDF:29.2/13

+ sign 4338.960 $\pm$ 517.769 χ^2 /NDF: 29.2/30

All: 197.714 $\pm$ 367.923 χ^2 /NDF: 203.0/62

- sign -4026.212 $\pm$ 522.912 χ^2 /NDF: 44.6/31

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: 2193.653 $\pm$ 0.451 χ^2 /NDF:838.4/14

+ sign 2244.617 $\pm$ 0.366 χ^2 /NDF: 541078.0/30

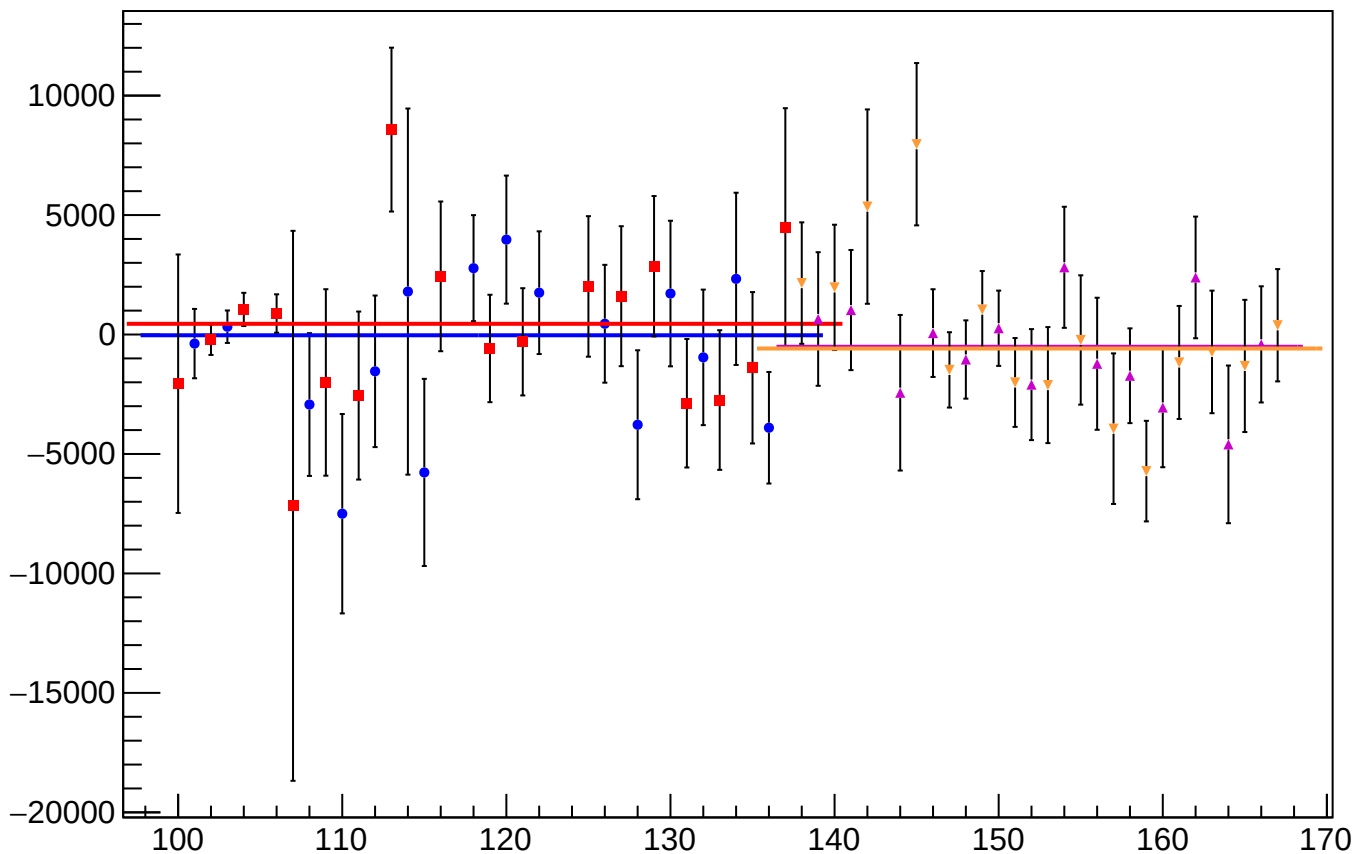
Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210147.5/17

All: 2249.932 $\pm$ 0.260 χ^2 /NDF: 803722.0/62

Left In: 2195.228 $\pm$ 0.457 χ^2 /NDF:1840.1/13

- sign 2255.353 $\pm$ 0.370 χ^2 /NDF: 262218.4/31

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: -31.393 $\pm$ 485.329 χ^2/NDF : 16.3/15

Left Out: -586.052 $\pm$ 597.786 χ^2/NDF : 20.3/14

Right Out: 448.261 $\pm$ 362.570 χ^2/NDF : 15.1/17

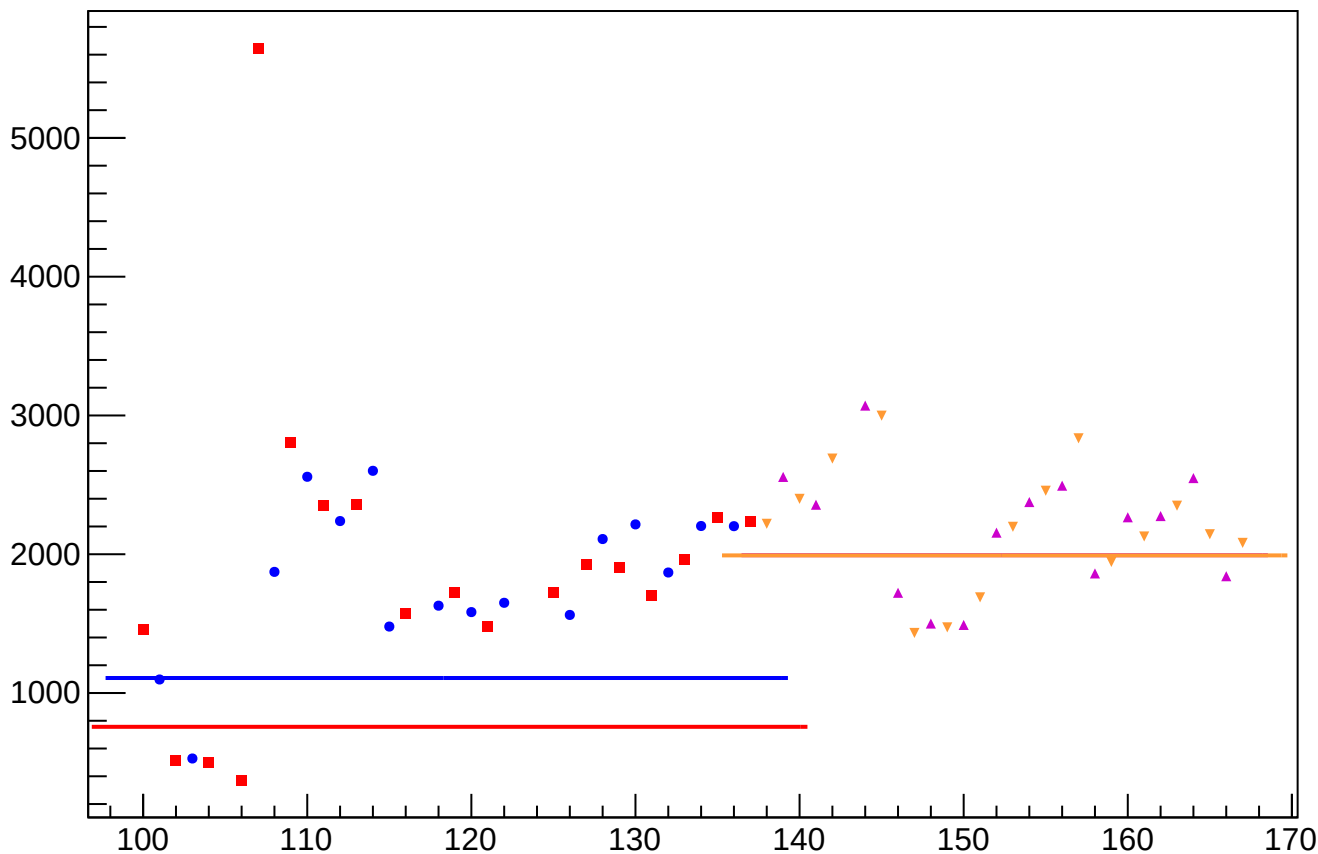
Left In: -512.920 $\pm$ 602.584 χ^2/NDF : 7.8/13

+ sign -251.748 $\pm$ 376.785 χ^2/NDF : 37.1/30

All: 12.874 $\pm$ 239.698 χ^2/NDF : 62.8/62

- sign 192.776 $\pm$ 310.669 χ^2/NDF : 24.8/31

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: 1991.688+/-0.423 χ^2/NDF : 1082702.5/14

Right Out: 756.419+/-0.256 χ^2/NDF : 5603215.5/17

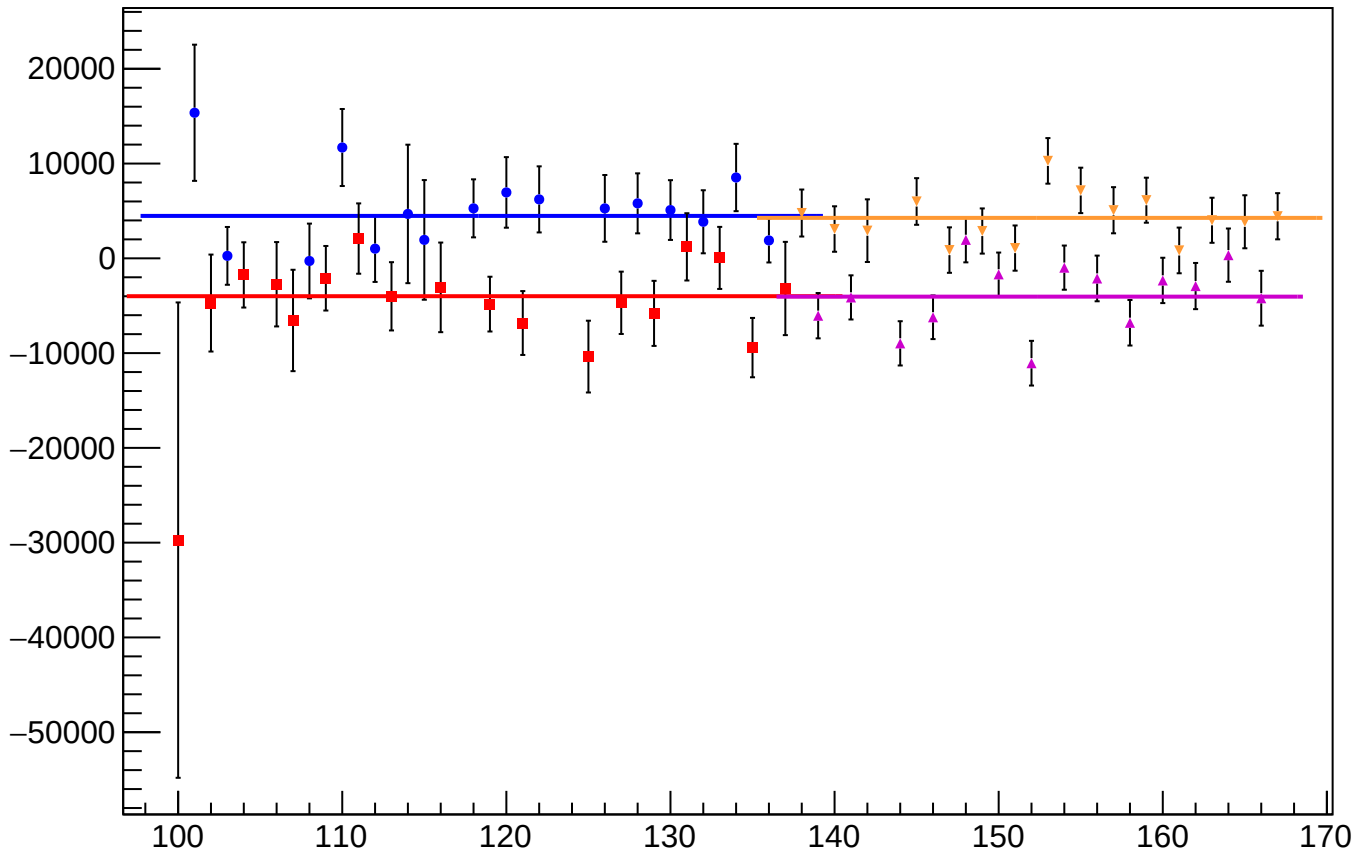
Left In: 1993.055+/-0.426 χ^2/NDF : 1012895.8/13

+ sign 1459.155+/-0.266 χ^2/NDF : 7462572.5/30

All: 1236.495+/-0.169 χ^2/NDF : 21436248.3/6

- sign 1085.121+/-0.220 χ^2/NDF : 12800410.2/31

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: 4267.682 $\pm$ 638.027 χ^2 /NDF:15.6/14

Right Out: -3995.803 $\pm$ 890.441 χ^2 /NDF: 15.5/17

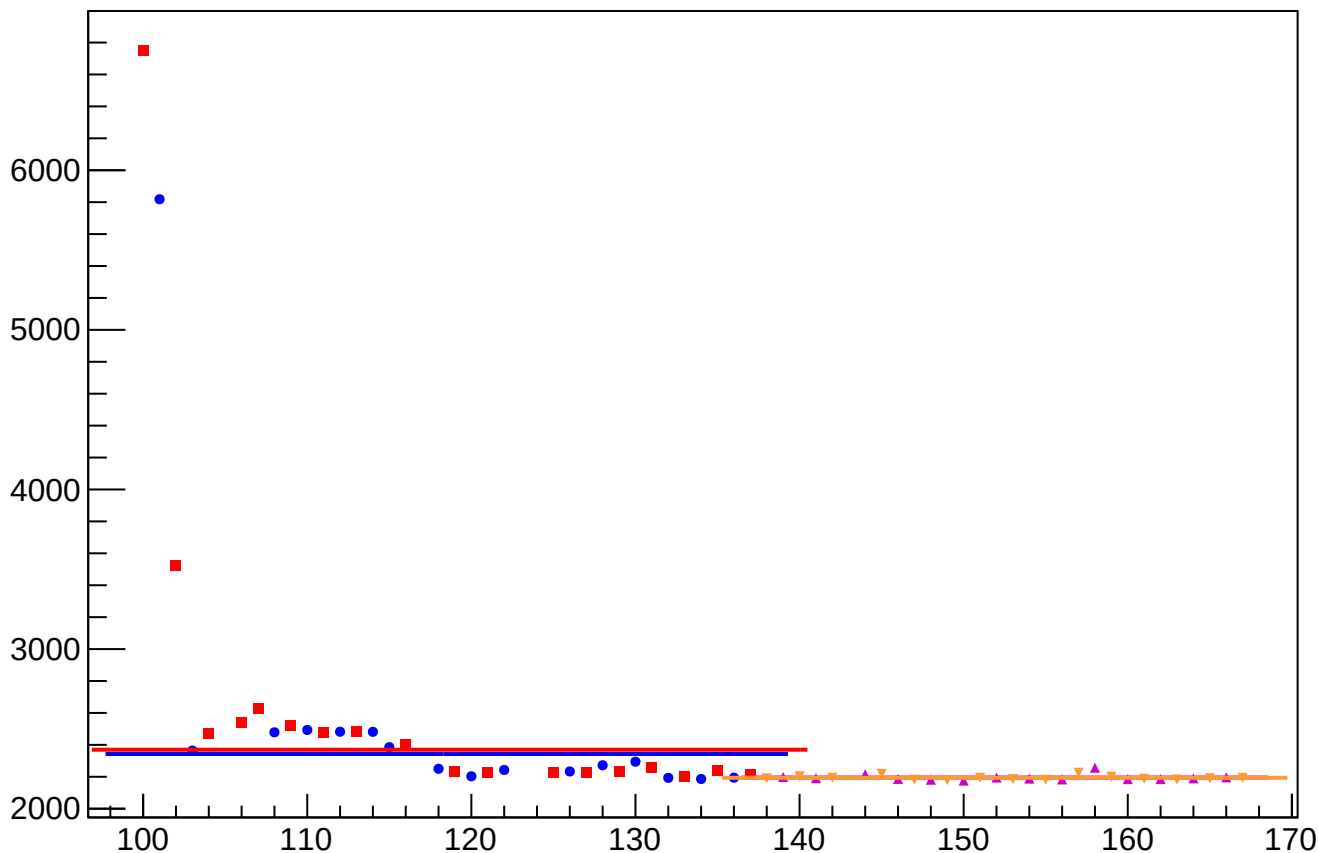
Left In: -4042.219 $\pm$ 646.044 χ^2 /NDF:29.2/13

+ sign 4338.956 $\pm$ 517.769 χ^2 /NDF: 29.2/30

All: 197.712 $\pm$ 367.922 χ^2 /NDF: 203.0/62

- sign -4026.212 $\pm$ 522.912 χ^2 /NDF: 44.6/31

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: 2193.653 $\pm$ 0.451 χ^2 /NDF:838.4/14

+ sign 2244.617 $\pm$ 0.366 χ^2 /NDF: 541077.8/30

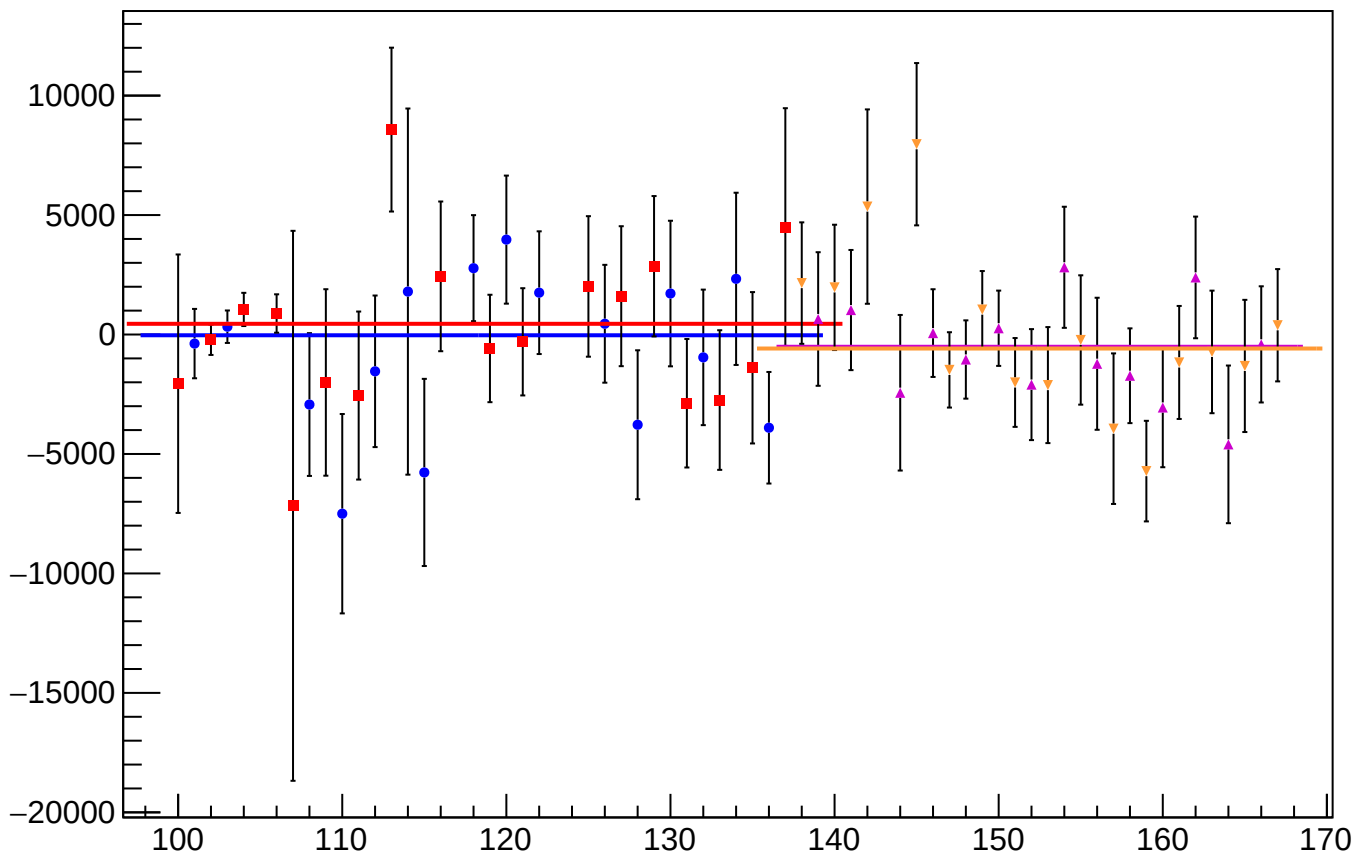
Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210146.5/17

All: 2249.932 $\pm$ 0.260 χ^2 /NDF: 803720.4/62

Left In: 2195.228 $\pm$ 0.457 χ^2 /NDF:1840.1/13

- sign 2255.353 $\pm$ 0.370 χ^2 /NDF: 262217.0/31

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -31.400 $\pm$ 485.331 χ^2/NDF : 16.3/15

Left Out: -586.057 $\pm$ 597.787 χ^2/NDF : 20.3/14

Right Out: 448.265 $\pm$ 362.575 χ^2/NDF : 15.1/17

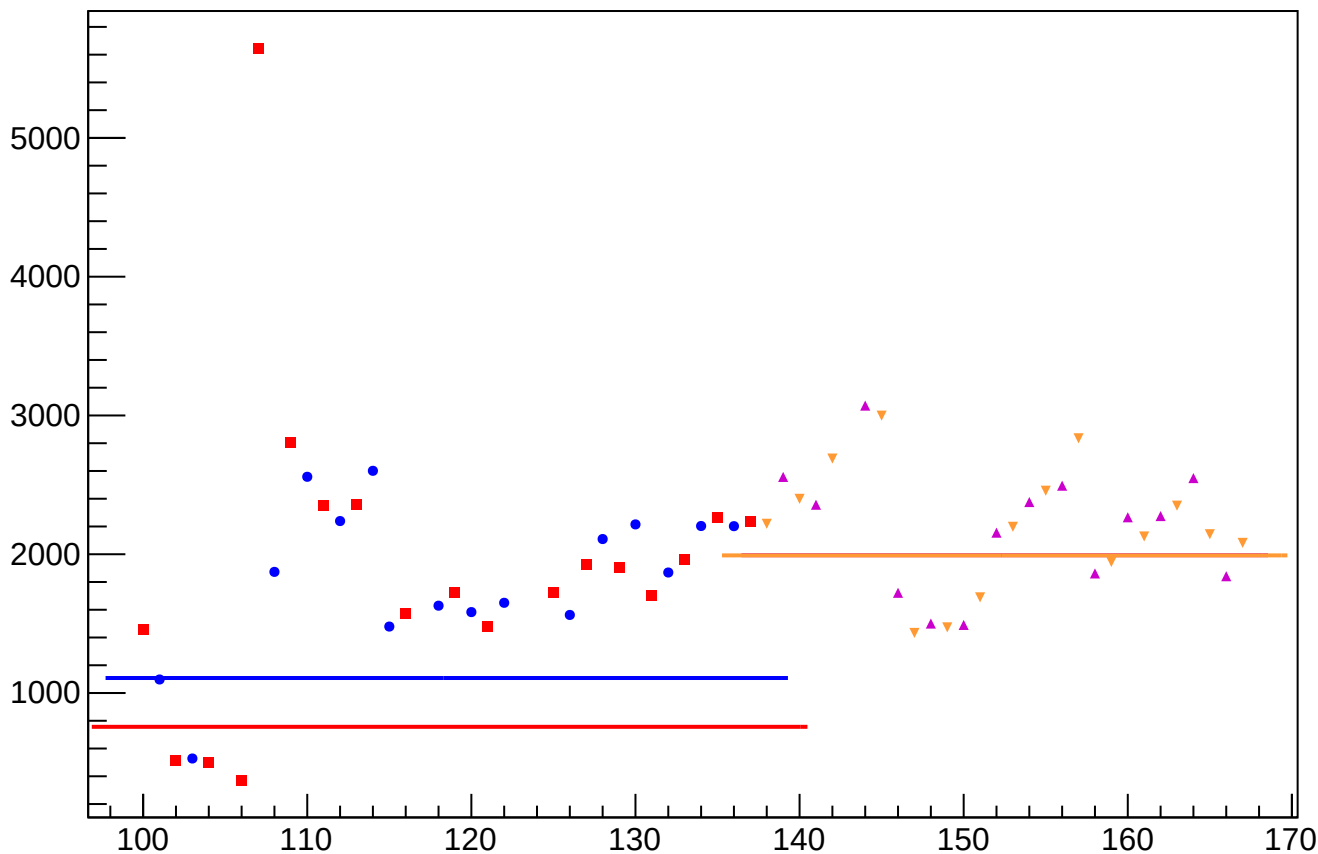
Left In: -512.921 $\pm$ 602.585 χ^2/NDF : 7.8/13

+ sign -251.755 $\pm$ 376.787 χ^2/NDF : 37.1/30

All: 12.869 $\pm$ 239.699 χ^2/NDF : 62.8/62

- sign 192.774 $\pm$ 310.672 χ^2/NDF : 24.8/31

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: 1991.691+/-0.423 χ^2/NDF : 1082702.6/14

Right Out: 756.434+/-0.256 χ^2/NDF : 5603097.5/17

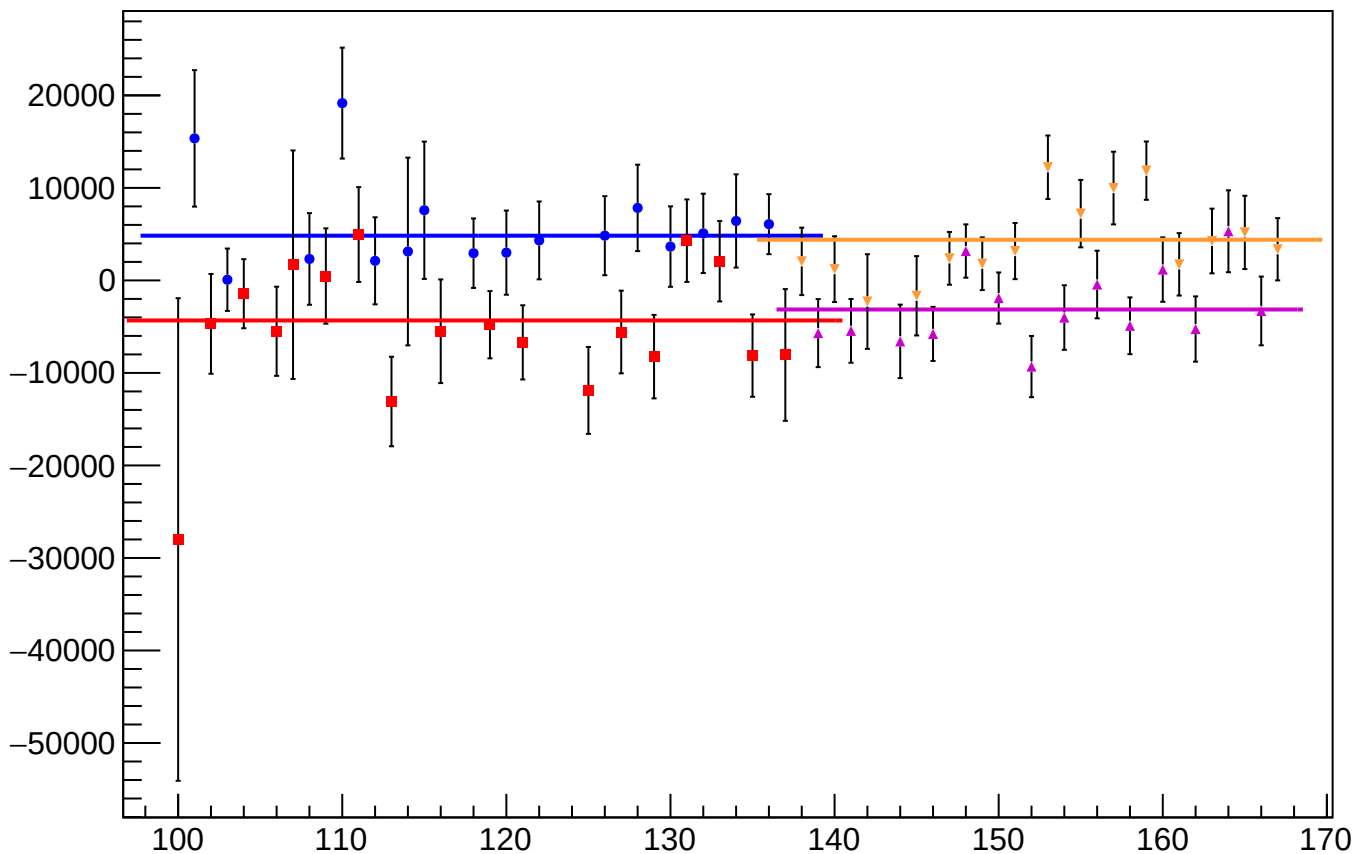
Left In: 1993.059+/-0.426 χ^2/NDF : 1012895.2/13

+ sign 1459.164+/-0.266 χ^2/NDF : 7462443.7/30

All: 1236.510+/-0.169 χ^2/NDF : 21435757.4/6

- sign 1085.139+/-0.220 χ^2/NDF : 12800117.5/31

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806 $\pm$ 1142.535 χ^2/NDF : 11.7/15

Left Out: 4392.985 $\pm$ 894.756 χ^2/NDF : 20.6/14

Right Out: -4328.601 $\pm$ 1144.541 χ^2/NDF : 19.9/17

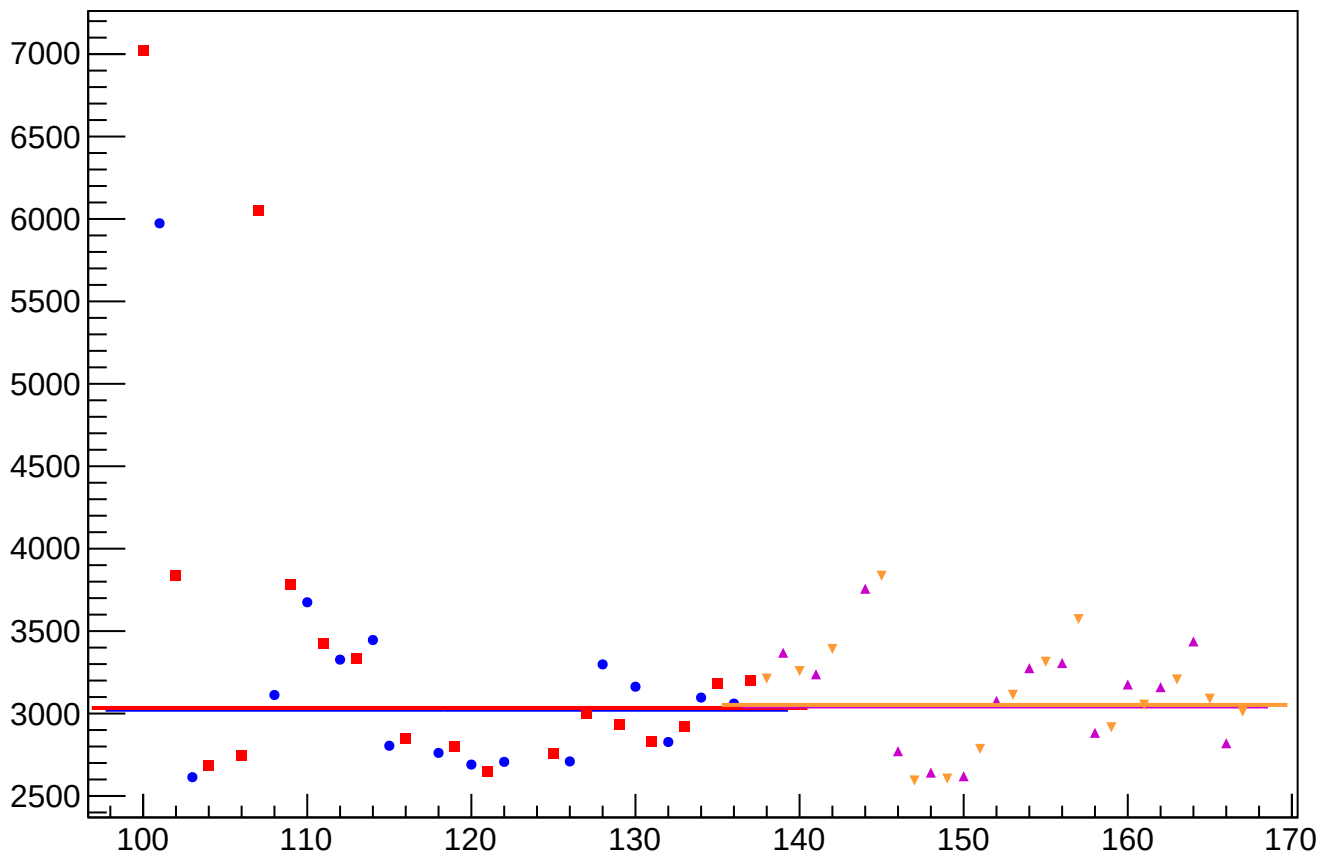
Left In: -3144.243 $\pm$ 901.539 χ^2/NDF : 17.5/13

+ sign 4560.564 $\pm$ 704.446 χ^2/NDF : 32.4/30

All: 503.206 $\pm$ 499.447 χ^2/NDF : 137.1/62

- sign -3597.718 $\pm$ 708.218 χ^2/NDF : 38.0/31

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068 $\pm$ 0.808 χ^2 /NDF: 443705.8/15

Left Out: 3052.359 $\pm$ 0.633 χ^2 /NDF: 256529.1/14

Right Out: 3033.869 $\pm$ 0.809 χ^2 /NDF: 342674.7/17

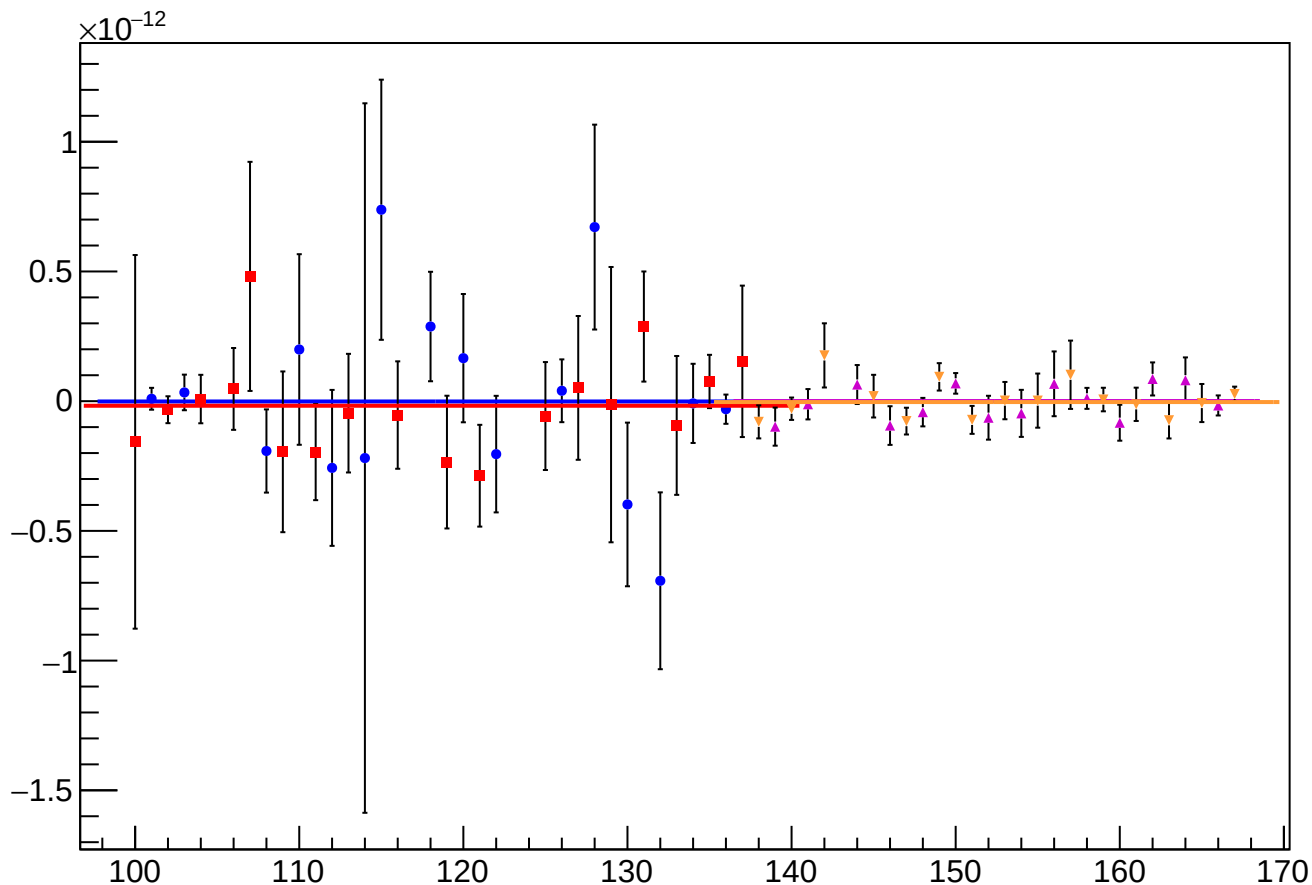
Left In: 3042.707 $\pm$ 0.637 χ^2 /NDF: 242769.8/13

+ sign 3041.224 $\pm$ 0.498 χ^2 /NDF: 701049.6/30

All: 3040.279 $\pm$ 0.353 χ^2 /NDF: 1286574.9/62

- sign 3039.323 $\pm$ 0.501 χ^2 /NDF: 585518.0/31

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:13.9/14

Right Out: -0.000+/-0.000 χ^2 /NDF: 9.0/17

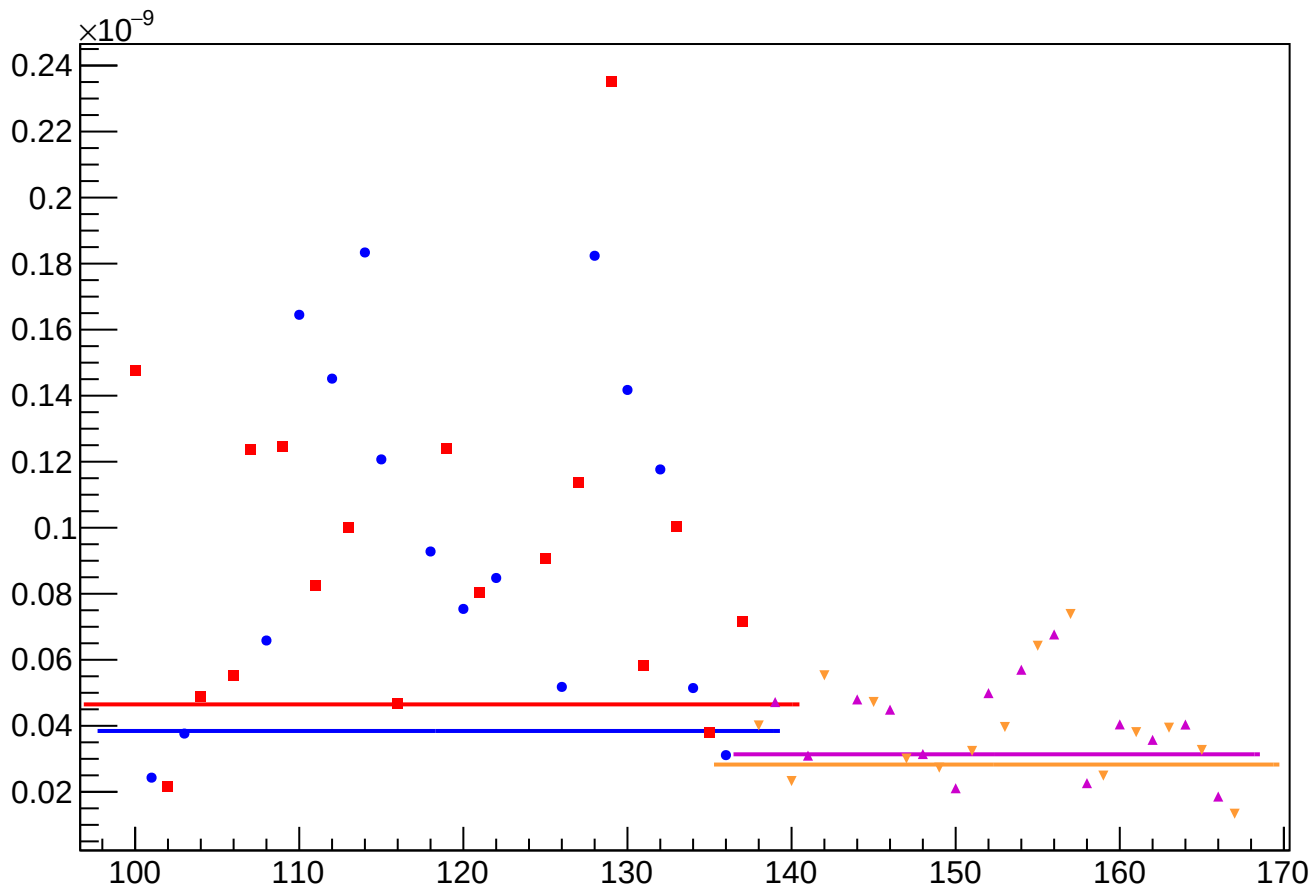
Left In: 0.000+/-0.000 χ^2 /NDF:13.2/13

+ sign -0.000+/-0.000 χ^2 /NDF: 31.0/30

All: -0.000+/-0.000 χ^2 /NDF: 53.4/62

- sign -0.000+/-0.000 χ^2 /NDF: 22.4/31

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1771405.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1508036.6/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1697135.5/17

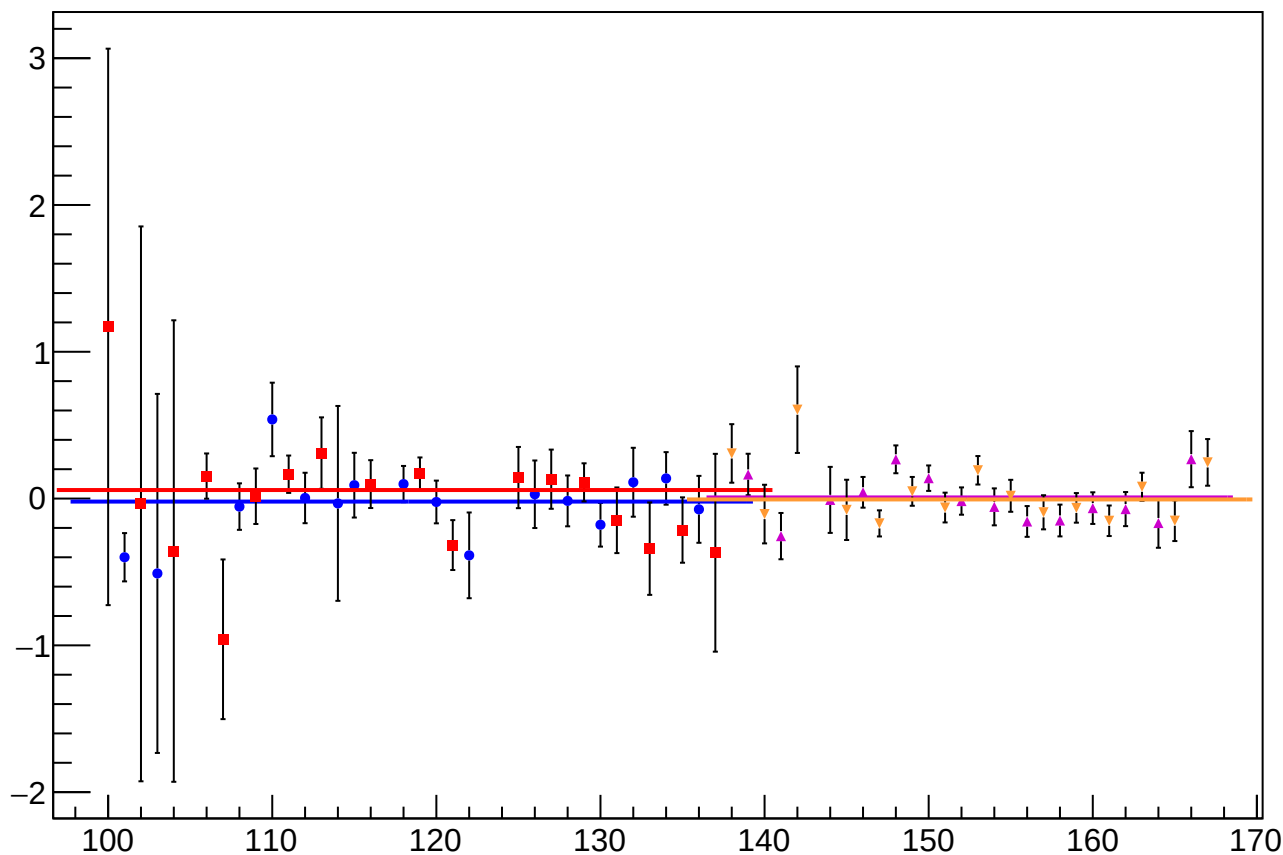
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1192644.0/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3496942.7/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6769726.8/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3206833.5/31

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: -0.006 ± 0.031 χ^2/NDF : 22.6/14

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

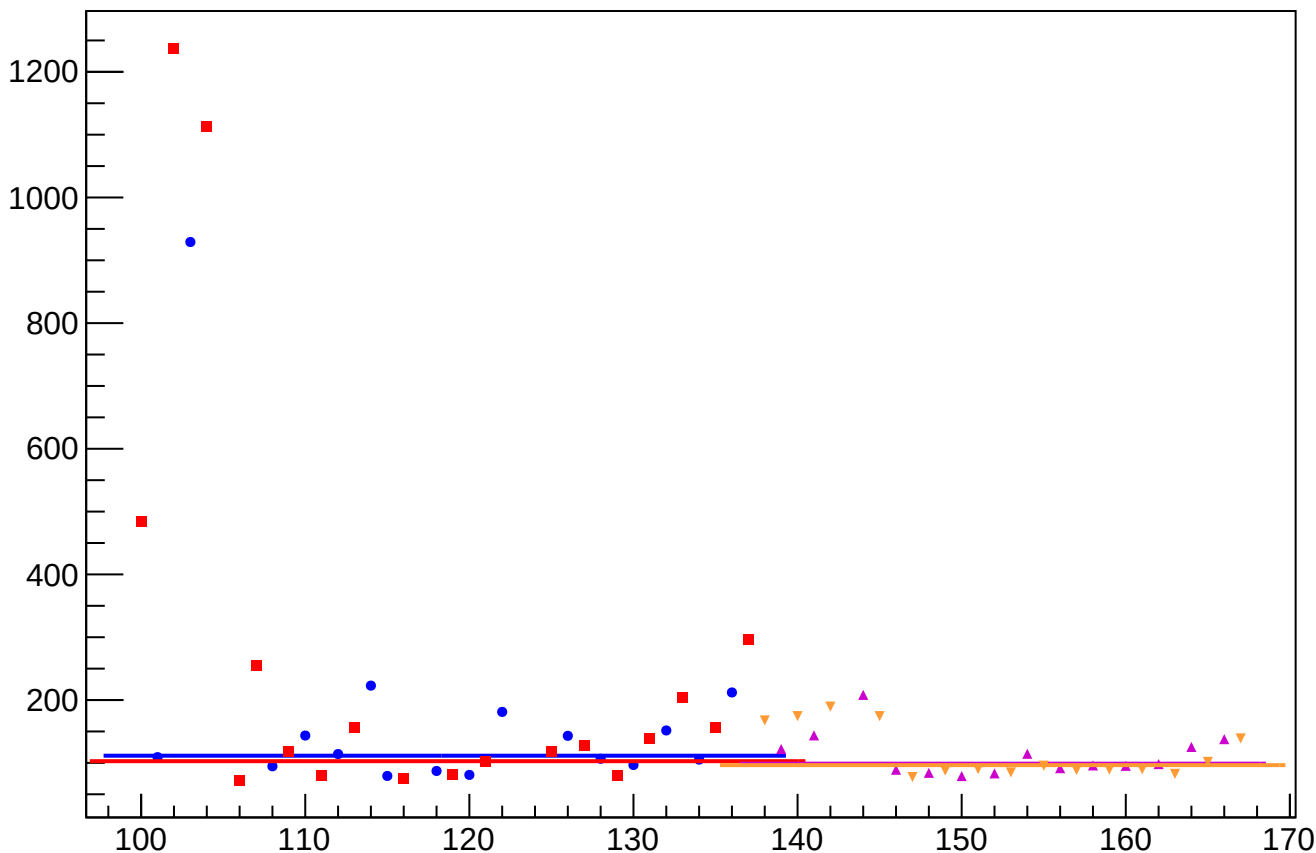
Left In: 0.008 ± 0.031 χ^2/NDF : 22.6/13

+ sign -0.010 ± 0.026 χ^2/NDF : 38.3/30

All: 0.006 ± 0.018 χ^2/NDF : 79.5/62

- sign 0.023 ± 0.026 χ^2/NDF : 40.3/31

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: 96.384 $\pm$ 0.022 χ^2 /NDF:1405090.5/14

+ sign 100.769 $\pm$ 0.018 χ^2 /NDF: 3385345.2/30

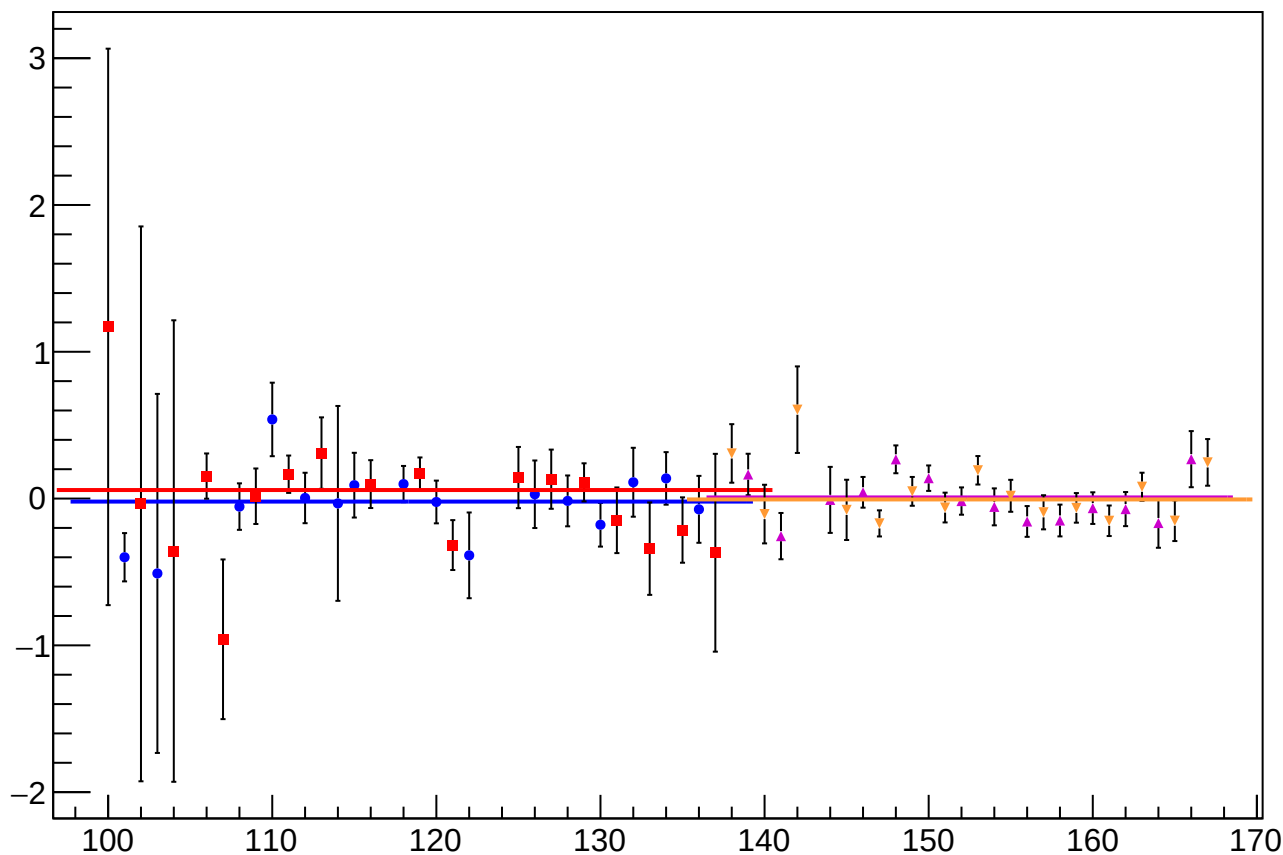
Right Out: 102.673 $\pm$ 0.033 χ^2 /NDF: 2826852.7/17

All: 100.367 $\pm$ 0.013 χ^2 /NDF: 7315190.1/62

Left In: 98.727 $\pm$ 0.022 χ^2 /NDF:1092064.3/13

- sign 99.959 $\pm$ 0.018 χ^2 /NDF: 3928862.3/31

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: -0.006 ± 0.031 χ^2/NDF : 22.6/14

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

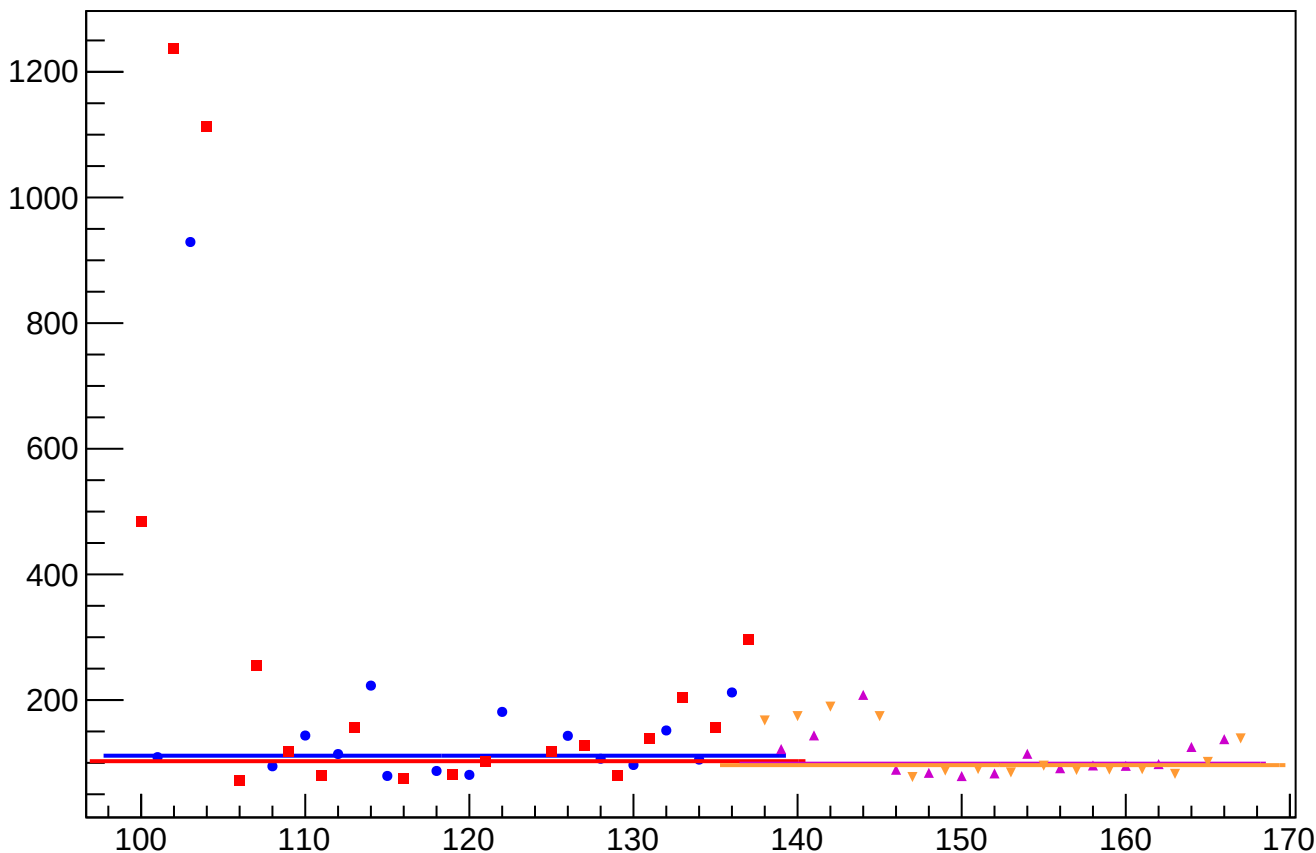
Left In: 0.008 ± 0.031 χ^2/NDF : 22.6/13

+ sign -0.010 ± 0.026 χ^2/NDF : 38.3/30

All: 0.006 ± 0.018 χ^2/NDF : 79.5/62

- sign 0.023 ± 0.026 χ^2/NDF : 40.3/31

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.407 ± 0.034 χ^2/NDF : 1839361.2/15

Left Out: 96.384 ± 0.022 χ^2/NDF : 1405090.5/14

Right Out: 102.673 ± 0.033 χ^2/NDF : 2826852.7/17

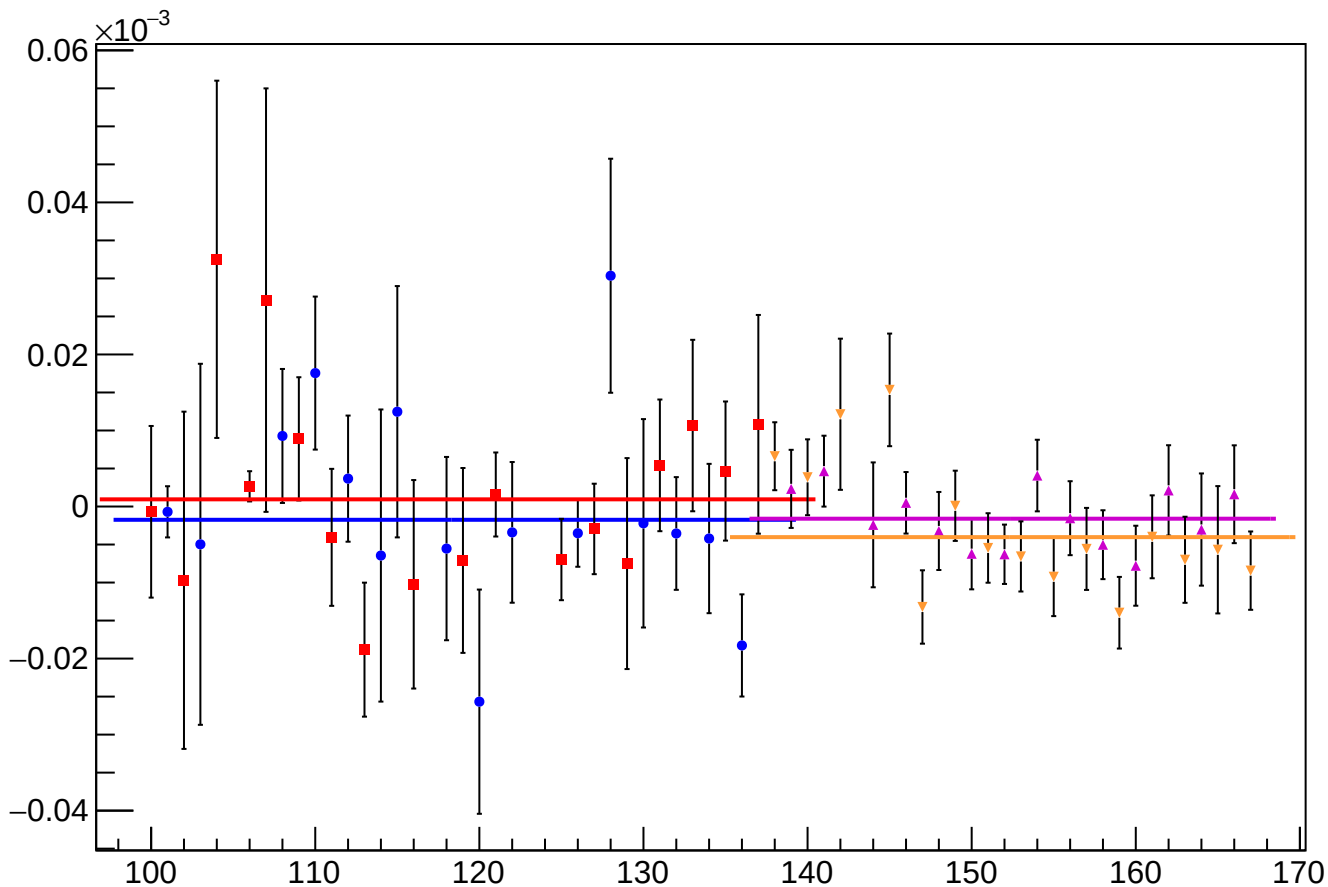
Left In: 98.727 ± 0.022 χ^2/NDF : 1092064.3/13

+ sign 100.769 ± 0.018 χ^2/NDF : 3385345.2/30

All: 100.367 ± 0.013 χ^2/NDF : 7315190.1/62

- sign 99.959 ± 0.018 χ^2/NDF : 3928862.3/31

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: 29.1/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/17

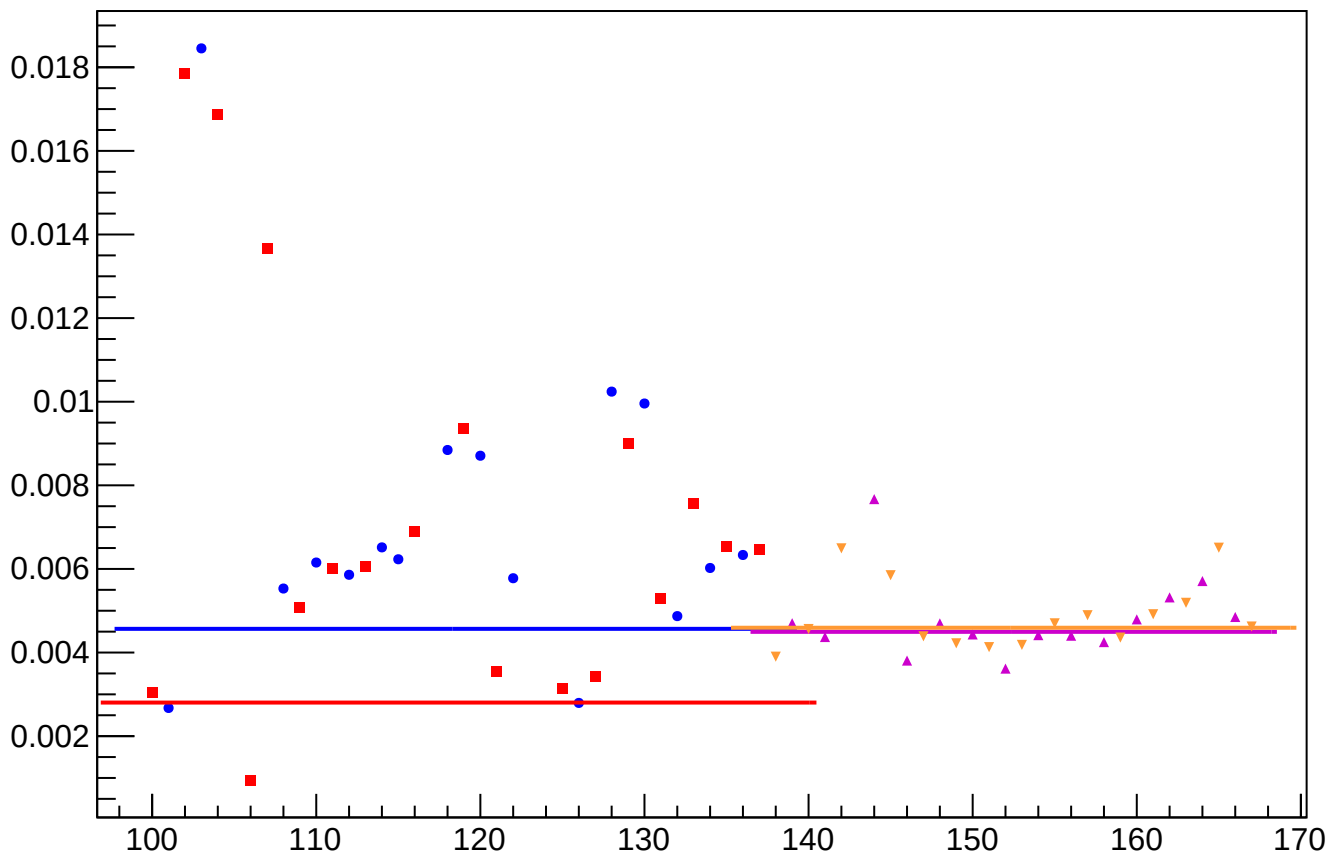
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.2/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 50.0/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 80.2/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/31

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: 0.005 $\pm$ 0.000 χ^2/NDF : 377559.2/14

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 6610011.8/17

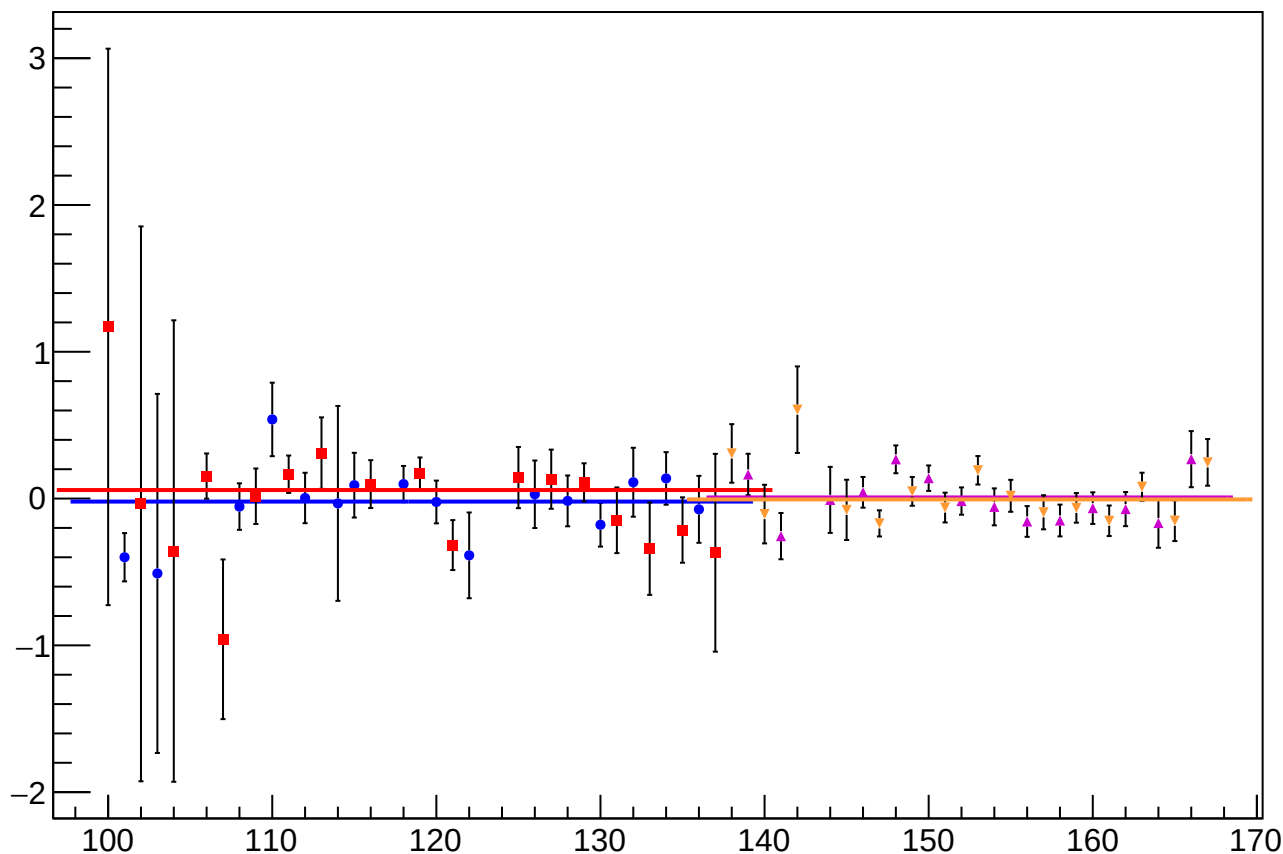
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 578665.4/13

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 3390067.5/30

All: 0.004 $\pm$ 0.000 χ^2/NDF : 12667958.8/62

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 8621126.8/31

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: -0.006 ± 0.031 χ^2/NDF : 22.6/14

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

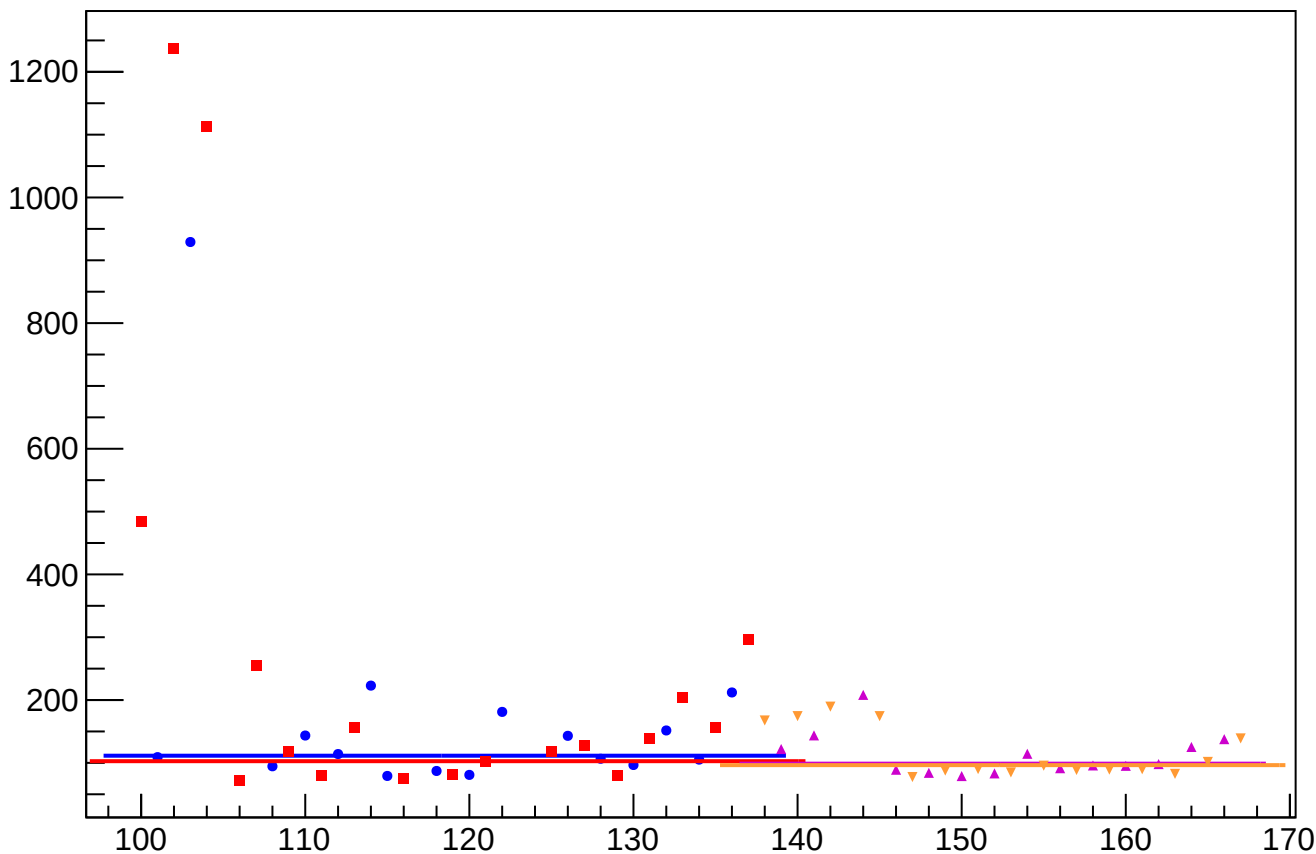
Left In: 0.008 ± 0.031 χ^2/NDF : 22.6/13

+ sign -0.010 ± 0.026 χ^2/NDF : 38.3/30

All: 0.006 ± 0.018 χ^2/NDF : 79.5/62

- sign 0.023 ± 0.026 χ^2/NDF : 40.3/31

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: 96.385 $\pm$ 0.022 χ^2 /NDF:1405074.8/14

Right Out: 102.671 $\pm$ 0.033 χ^2 /NDF: 2826848.2/17

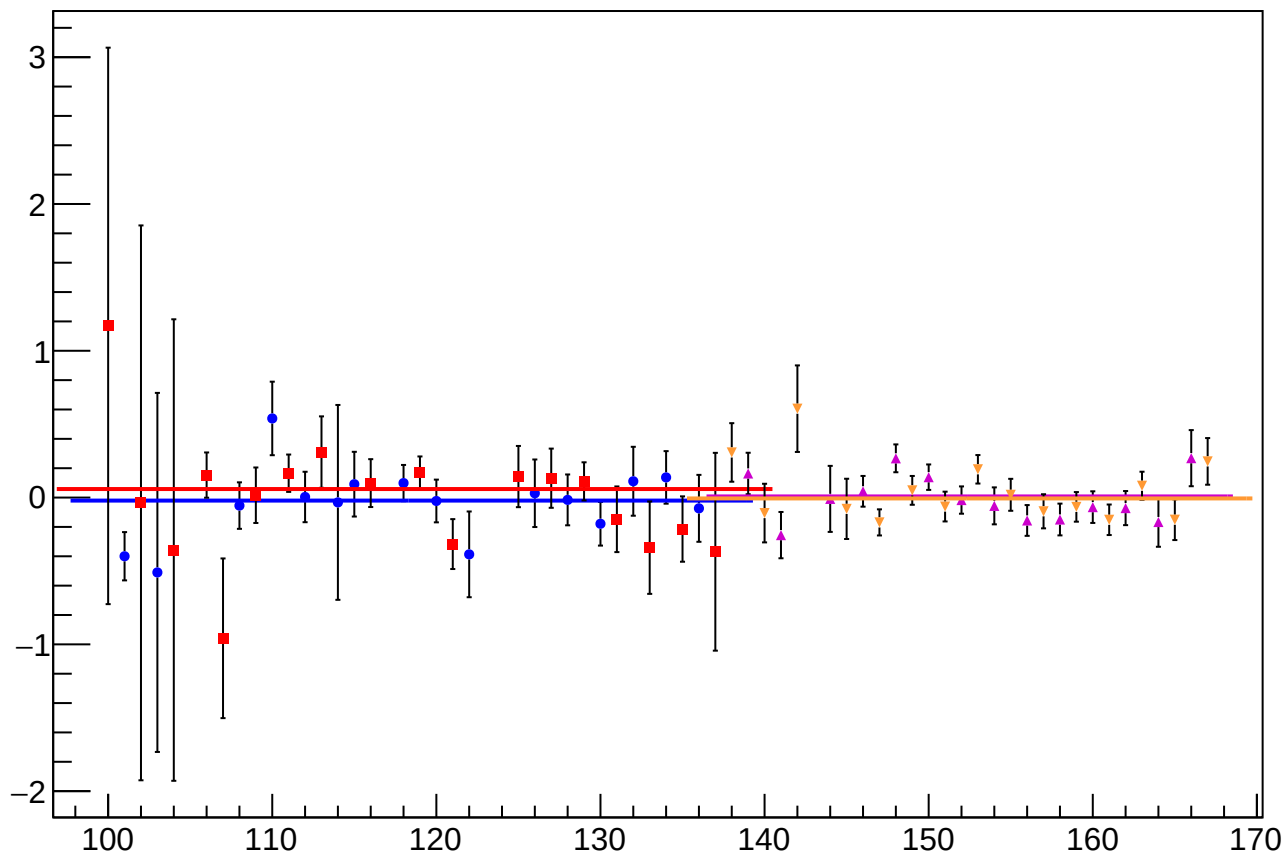
Left In: 98.728 $\pm$ 0.022 χ^2 /NDF:1092047.6/13

+ sign 100.768 $\pm$ 0.018 χ^2 /NDF: 3385319.8/30

All: 100.367 $\pm$ 0.013 χ^2 /NDF: 7315133.9/62

- sign 99.959 $\pm$ 0.018 χ^2 /NDF: 3928831.7/31

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: -0.006 ± 0.031 χ^2/NDF : 22.6/14

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

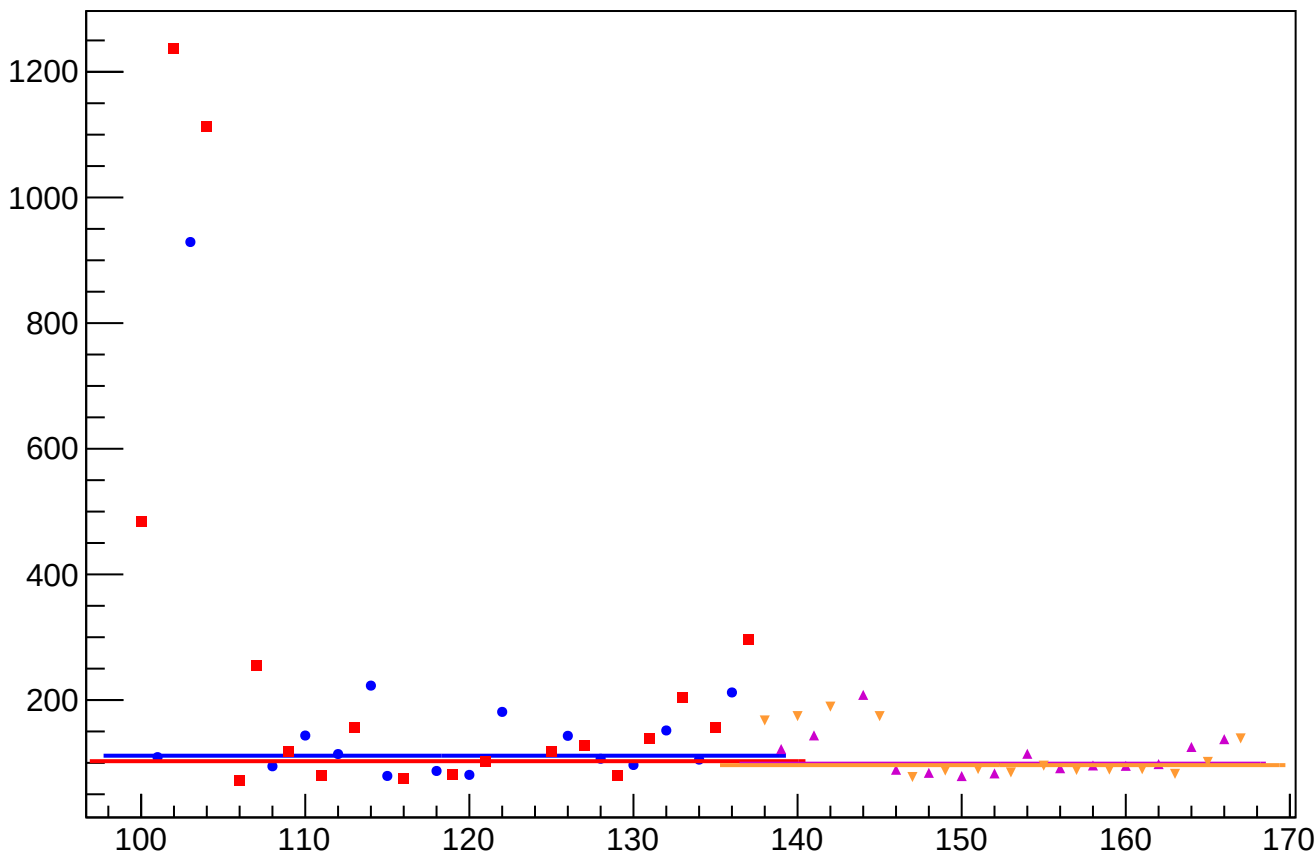
Left In: 0.008 ± 0.031 χ^2/NDF : 22.6/13

+ sign -0.010 ± 0.026 χ^2/NDF : 38.3/30

All: 0.006 ± 0.018 χ^2/NDF : 79.5/62

- sign 0.023 ± 0.026 χ^2/NDF : 40.3/31

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.404 ± 0.034 χ^2/NDF : 1839407.3/15

Left Out: 96.385 ± 0.022 χ^2/NDF : 1405074.8/14

Right Out: 102.671 ± 0.033 χ^2/NDF : 2826848.2/17

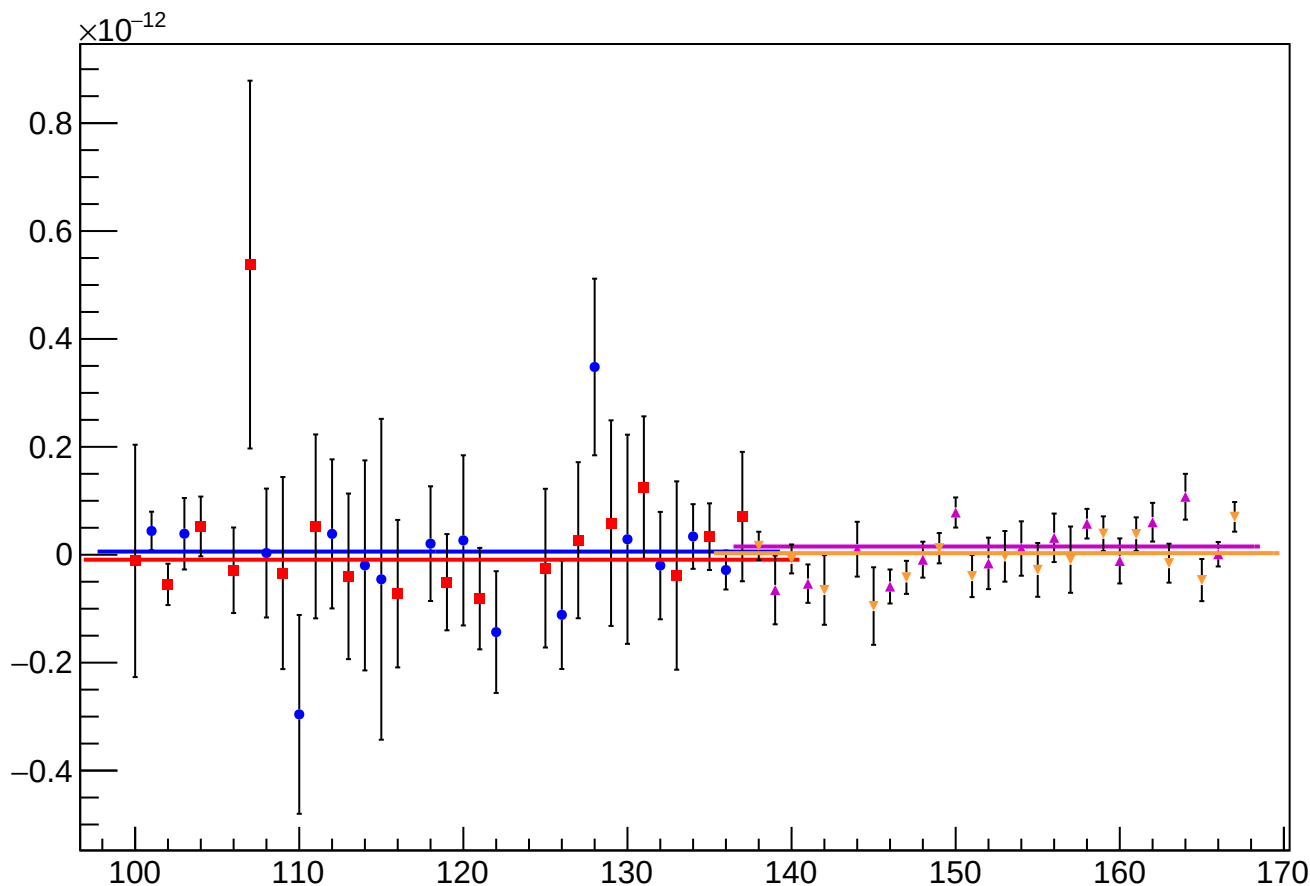
Left In: 98.728 ± 0.022 χ^2/NDF : 1092047.6/13

+ sign 100.768 ± 0.018 χ^2/NDF : 3385319.8/30

All: 100.367 ± 0.013 χ^2/NDF : 7315133.9/62

- sign 99.959 ± 0.018 χ^2/NDF : 3928831.7/31

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: 17.7/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.7/17

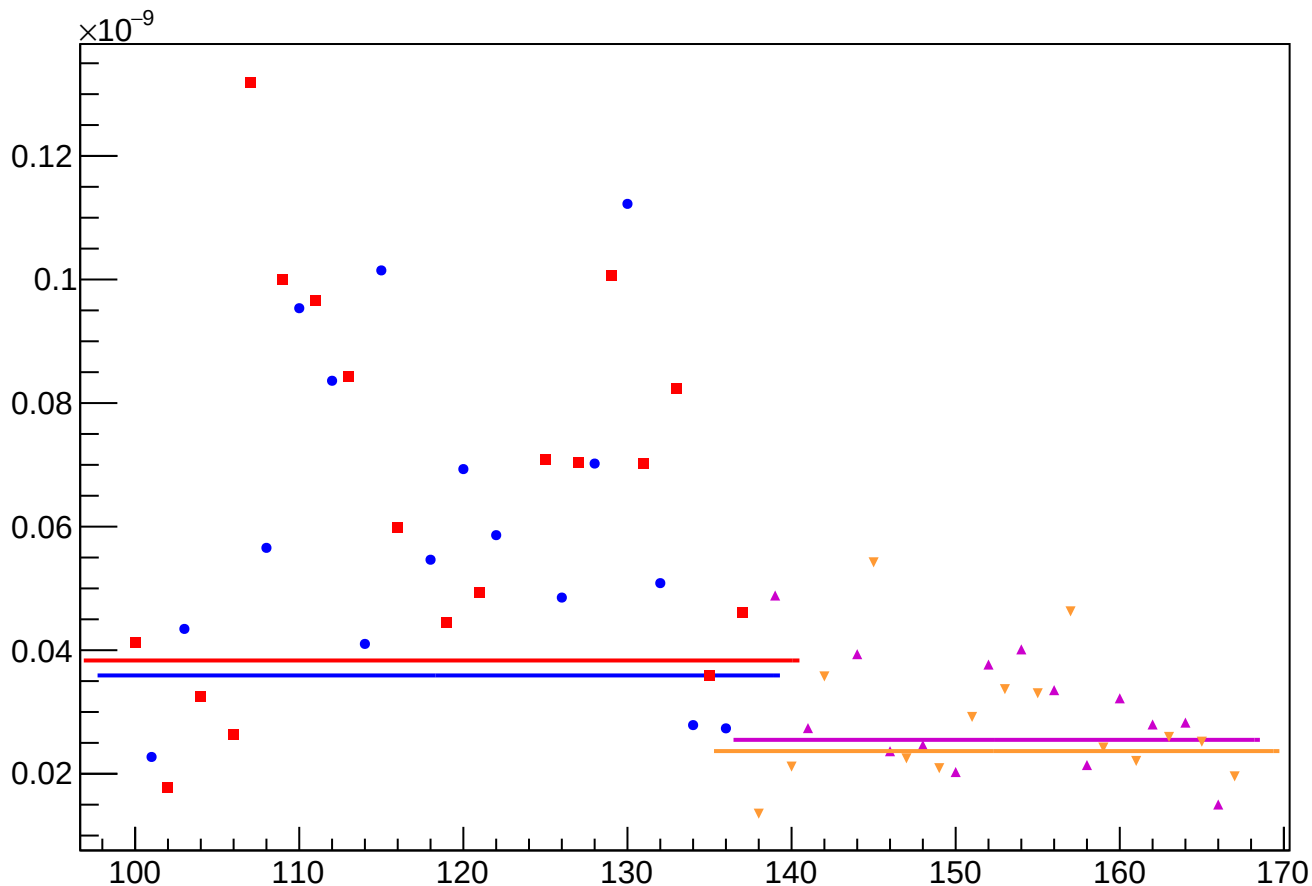
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.4/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.3/31

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 : 1303292.7/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2202319.8/17

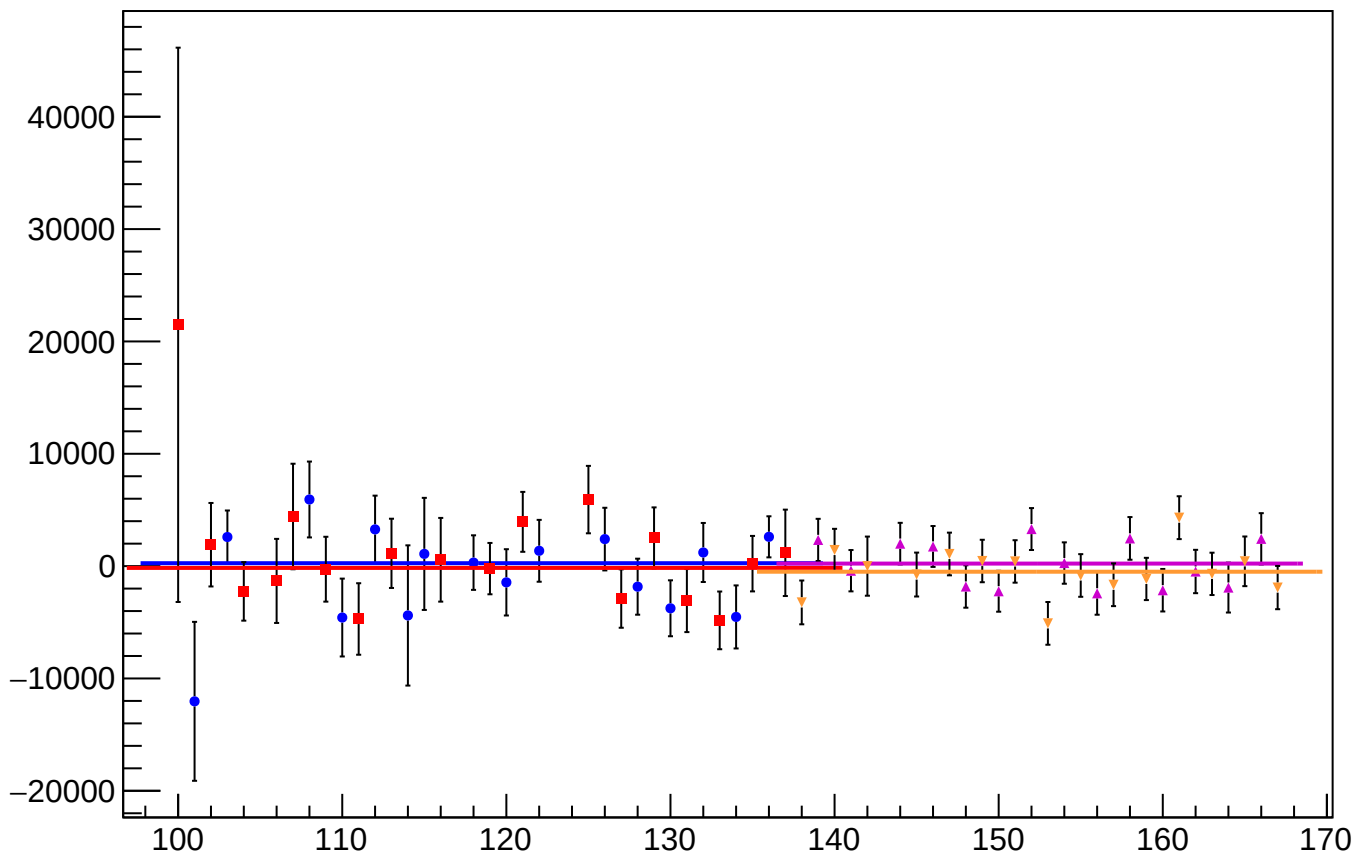
Left In: 0.000+/-0.000 χ^2/NDF : 1405138.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 3728122.7/30

All: 0.000+/-0.000 χ^2/NDF : 7966498.6/62

- sign 0.000+/-0.000 χ^2/NDF : 4200008.2/31

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: -498.381 $\pm$ 504.304 χ^2 /NDF:17.7/14

Right Out: -159.330 $\pm$ 712.314 χ^2 /NDF: 18.1/17

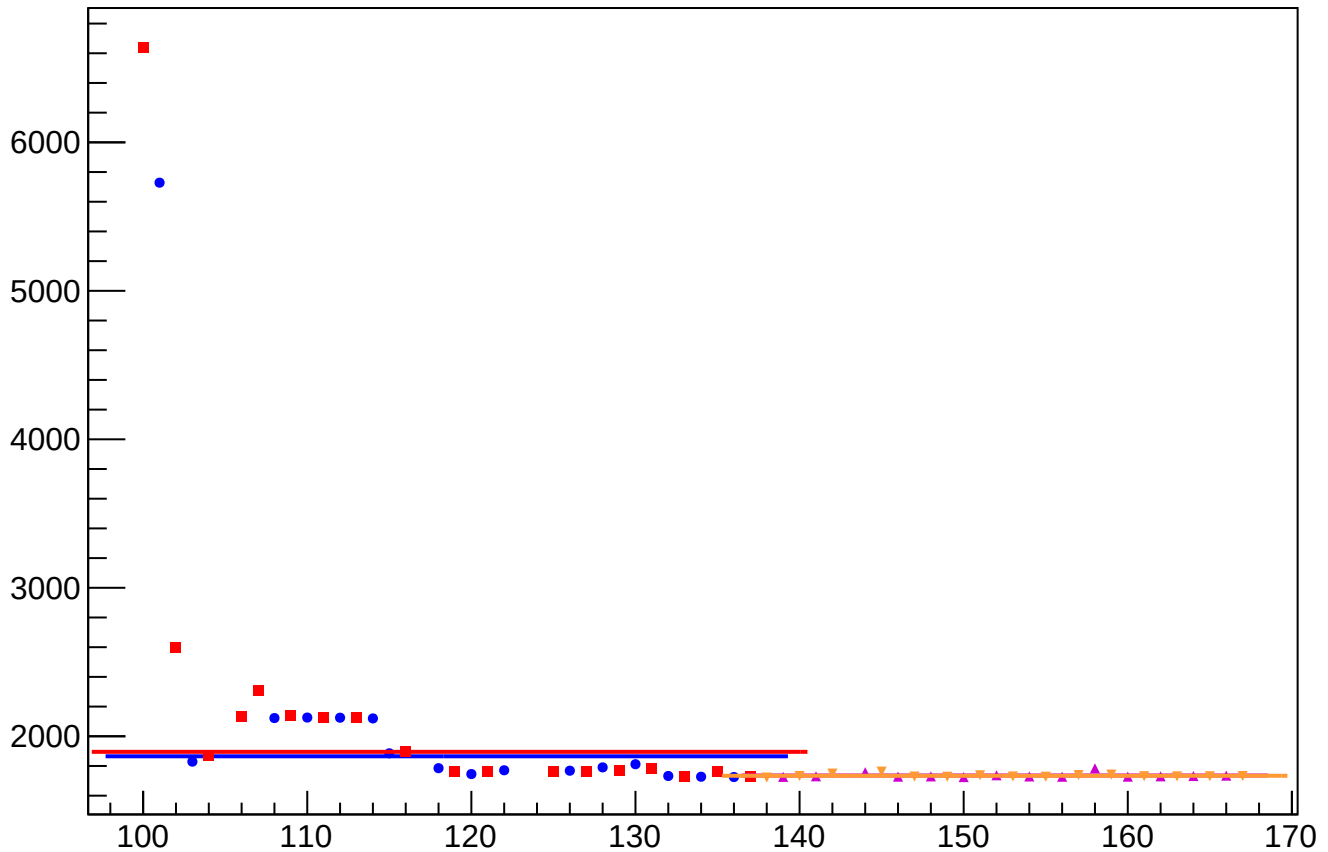
Left In: 225.784 $\pm$ 510.854 χ^2 /NDF:15.6/13

+ sign -244.097 $\pm$ 411.087 χ^2 /NDF: 37.9/30

All: -76.217 $\pm$ 292.102 χ^2 /NDF: 72.1/62

- sign 94.982 $\pm$ 415.131 χ^2 /NDF: 33.9/31

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF : 697.4/14

Right Out: 1895.250+/-0.504 χ^2/NDF : 250806.5/17

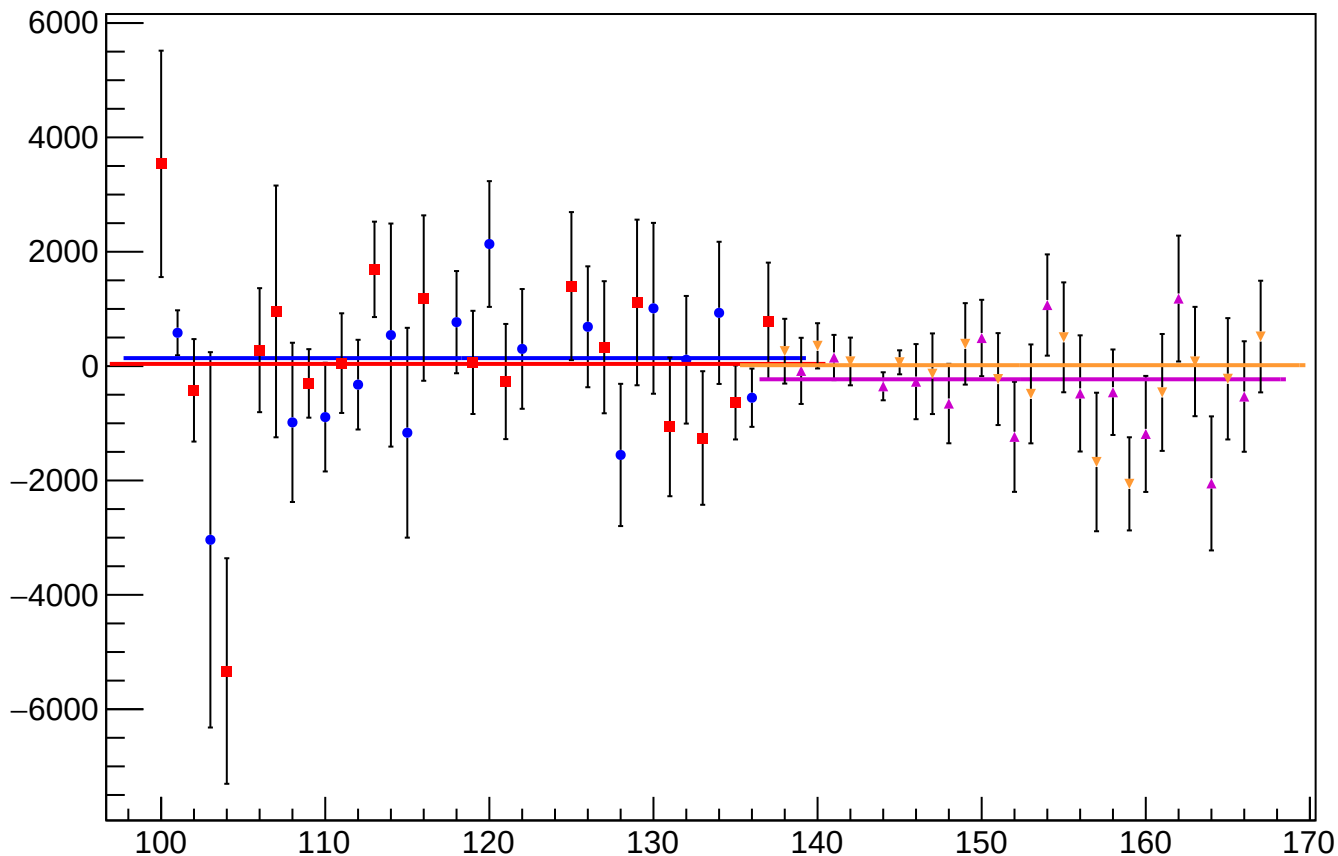
Left In: 1735.942+/-0.361 χ^2/NDF : 1885.9/13

+ sign 1778.046+/-0.291 χ^2/NDF : 718783.0/30

All: 1783.989+/-0.207 χ^2/NDF : 1038379.4/62

- sign 1790.051+/-0.294 χ^2/NDF : 318751.9/31

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: 16.305 $\pm$ 138.583 χ^2 /NDF:11.0/14

Right Out: 38.629 $\pm$ 238.253 χ^2 /NDF: 21.4/17

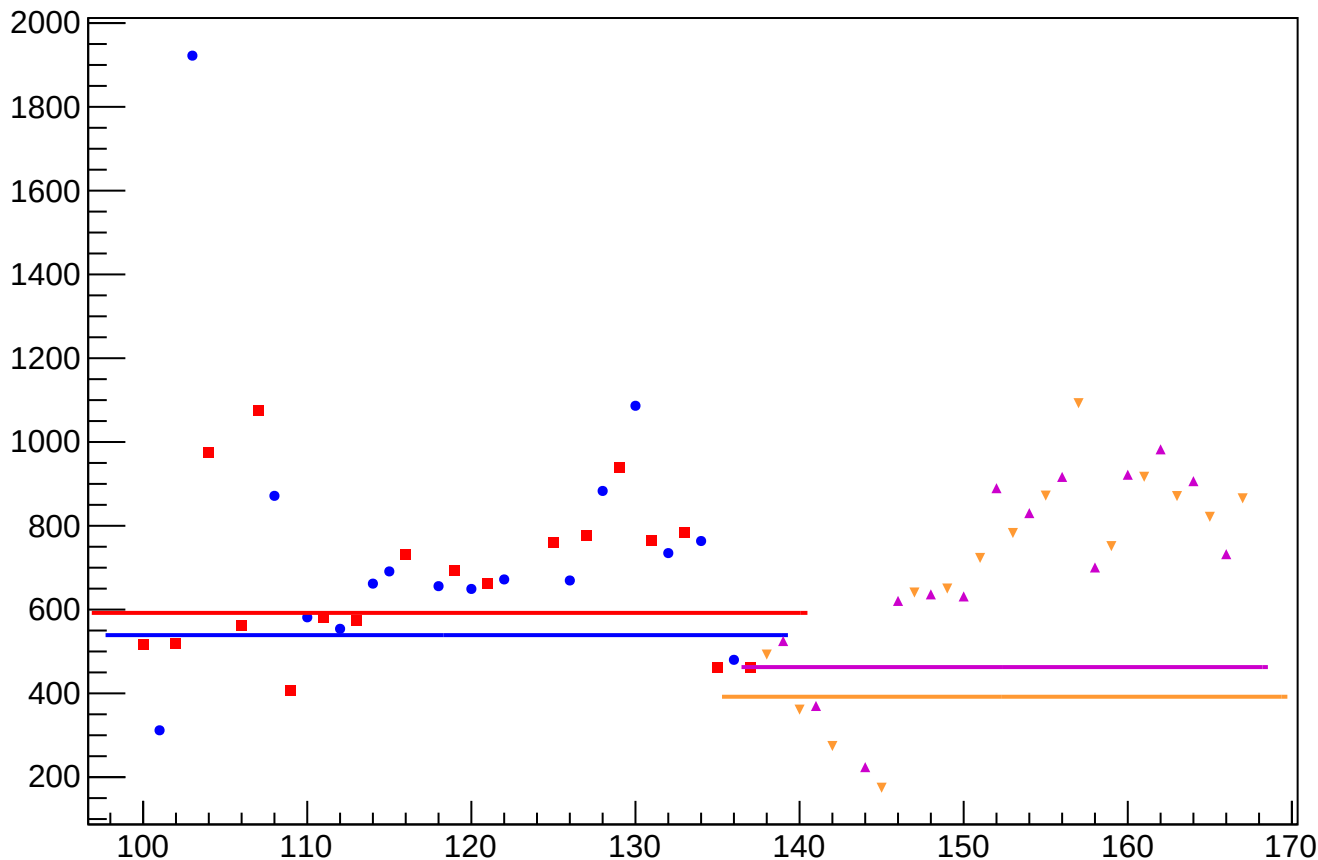
Left In: -230.308 $\pm$ 155.459 χ^2 /NDF:11.2/13

+ sign 51.364 $\pm$ 117.273 χ^2 /NDF: 24.7/30

All: -38.832 $\pm$ 87.136 χ^2 /NDF: 59.5/62

- sign -150.000 $\pm$ 130.195 χ^2 /NDF: 33.5/31

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: 391.955 $\pm$ 0.098 χ^2 /NDF: 7021061.8/14

Right Out: 592.101 $\pm$ 0.168 χ^2 /NDF: 843066.1/17

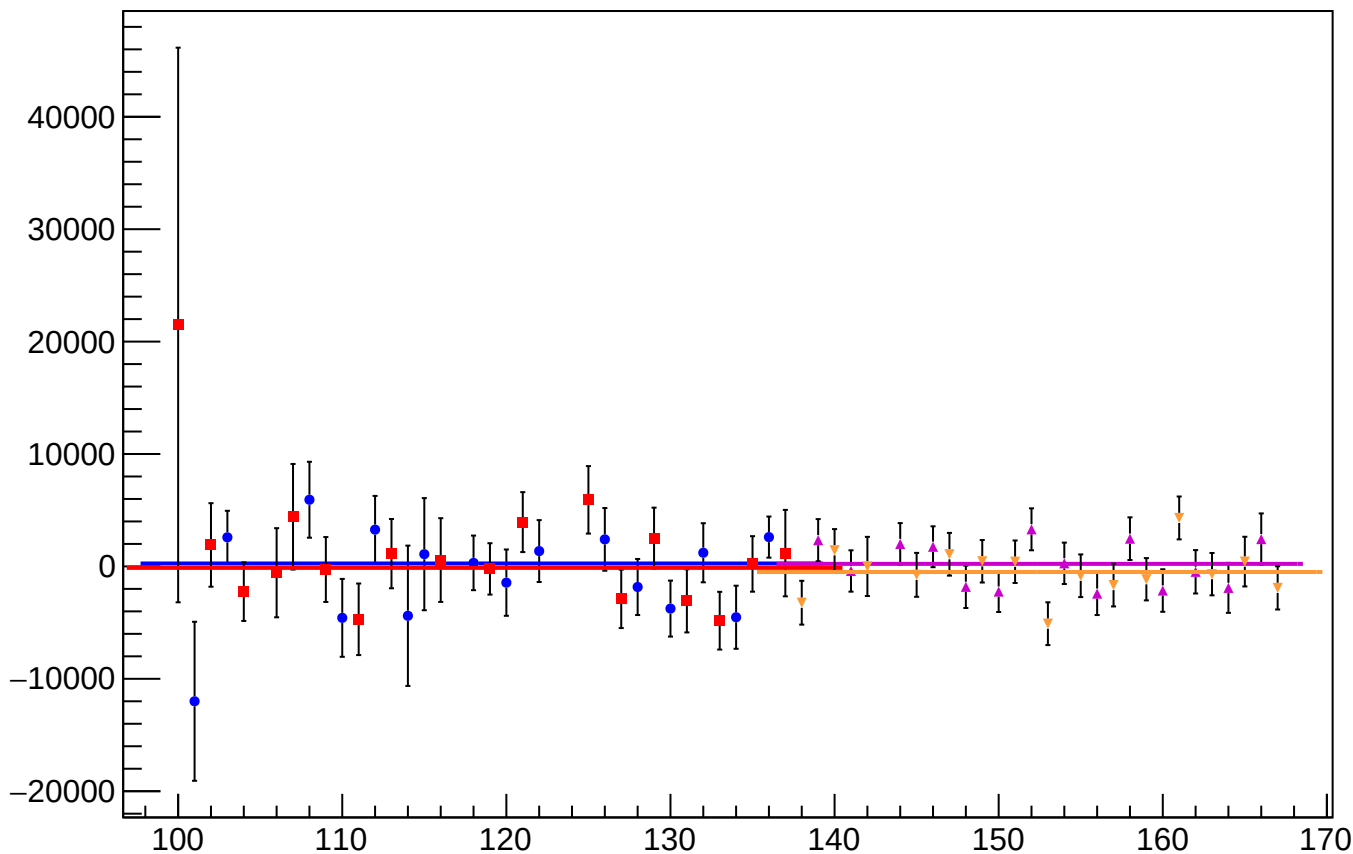
Left In: 462.733 $\pm$ 0.110 χ^2 /NDF: 5038676.7/13

+ sign 433.704 $\pm$ 0.083 χ^2 /NDF: 9515027.9/30

All: 464.011 $\pm$ 0.062 χ^2 /NDF: 16108550.3/62

- sign 501.364 $\pm$ 0.092 χ^2 /NDF: 6295327.2/31

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: -498.372 $\pm$ 504.304 χ^2 /NDF:17.7/14

Right Out: -130.049 $\pm$ 713.724 χ^2 /NDF: 18.0/17

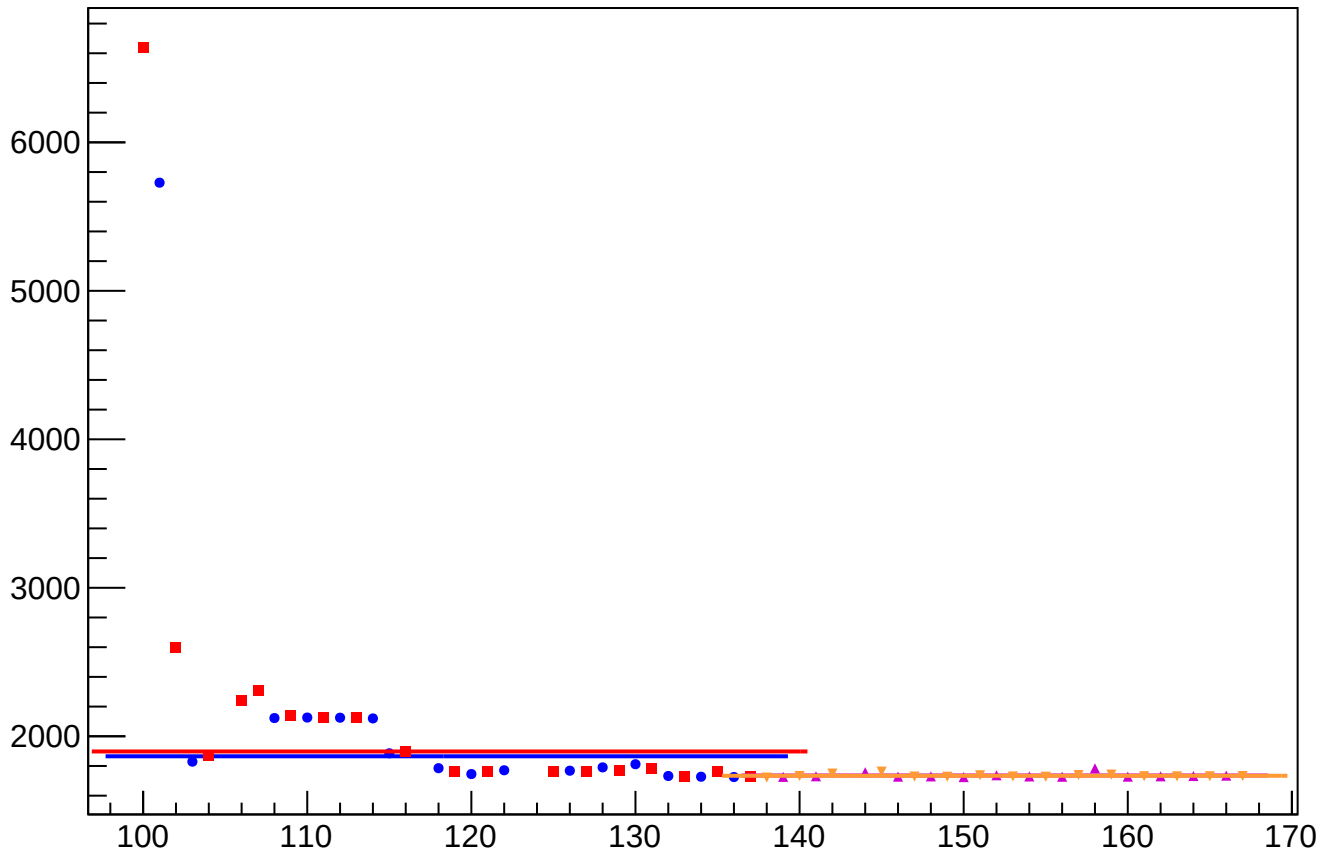
Left In: 225.811 $\pm$ 510.854 χ^2 /NDF:15.6/13

+ sign -244.028 $\pm$ 411.087 χ^2 /NDF: 37.9/30

All: -71.211 $\pm$ 292.199 χ^2 /NDF: 72.0/62

- sign 105.260 $\pm$ 415.409 χ^2 /NDF: 33.8/31

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF : 697.4/14

+ sign 1778.046+/-0.291 χ^2/NDF : 718782.8/30

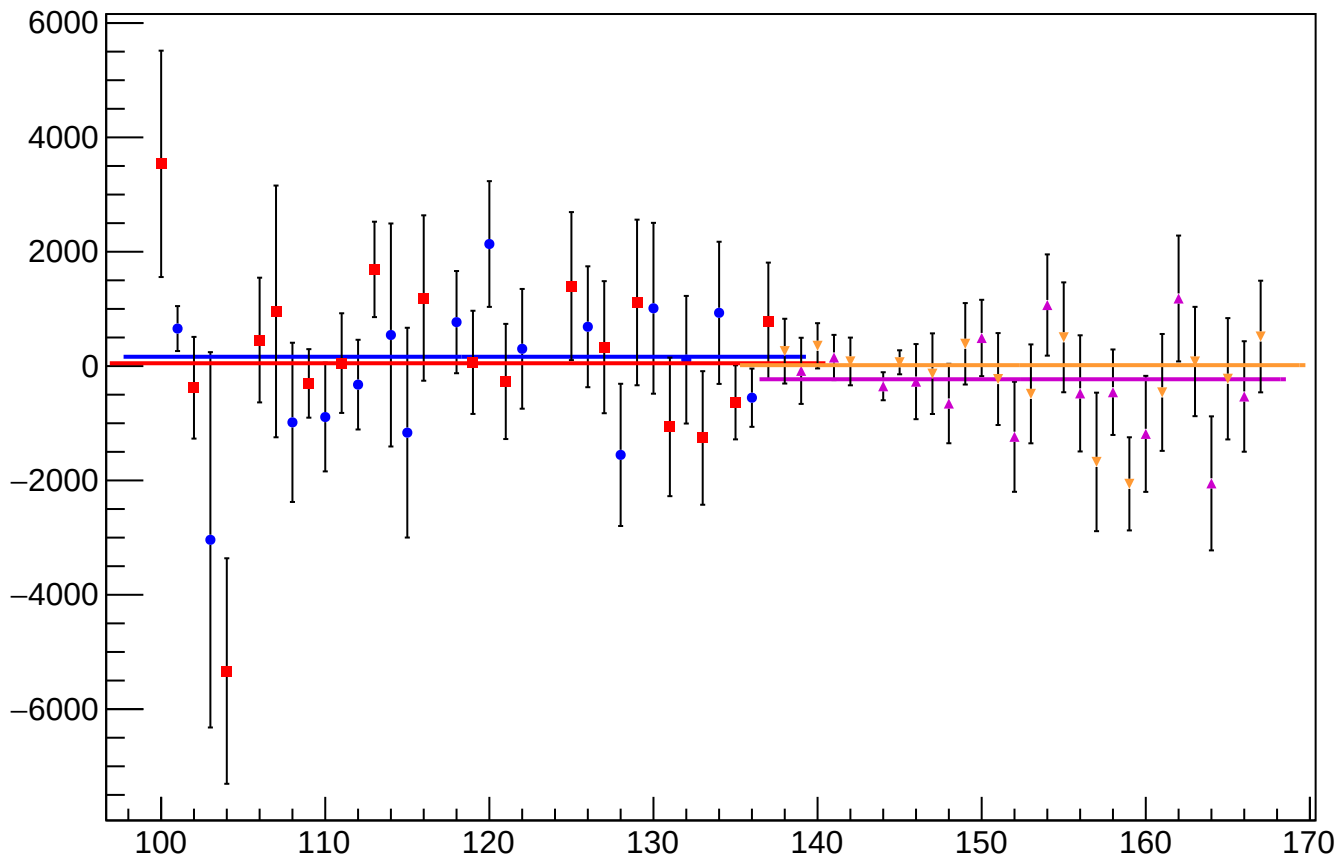
Right Out: 1897.700+/-0.505 χ^2/NDF : 257735.0/17

All: 1784.326+/-0.207 χ^2/NDF : 1047277.0/62

- sign 1790.740+/-0.294 χ^2/NDF : 327550.6/31

Left In: 1735.942+/-0.361 χ^2/NDF : 1885.9/13

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 163.149 ± 220.024 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 16.154 ± 138.585 $\chi^2/\text{NDF}: 11.0/14$

Right Out: 49.618 ± 238.198 $\chi^2/\text{NDF}: 21.4/17$

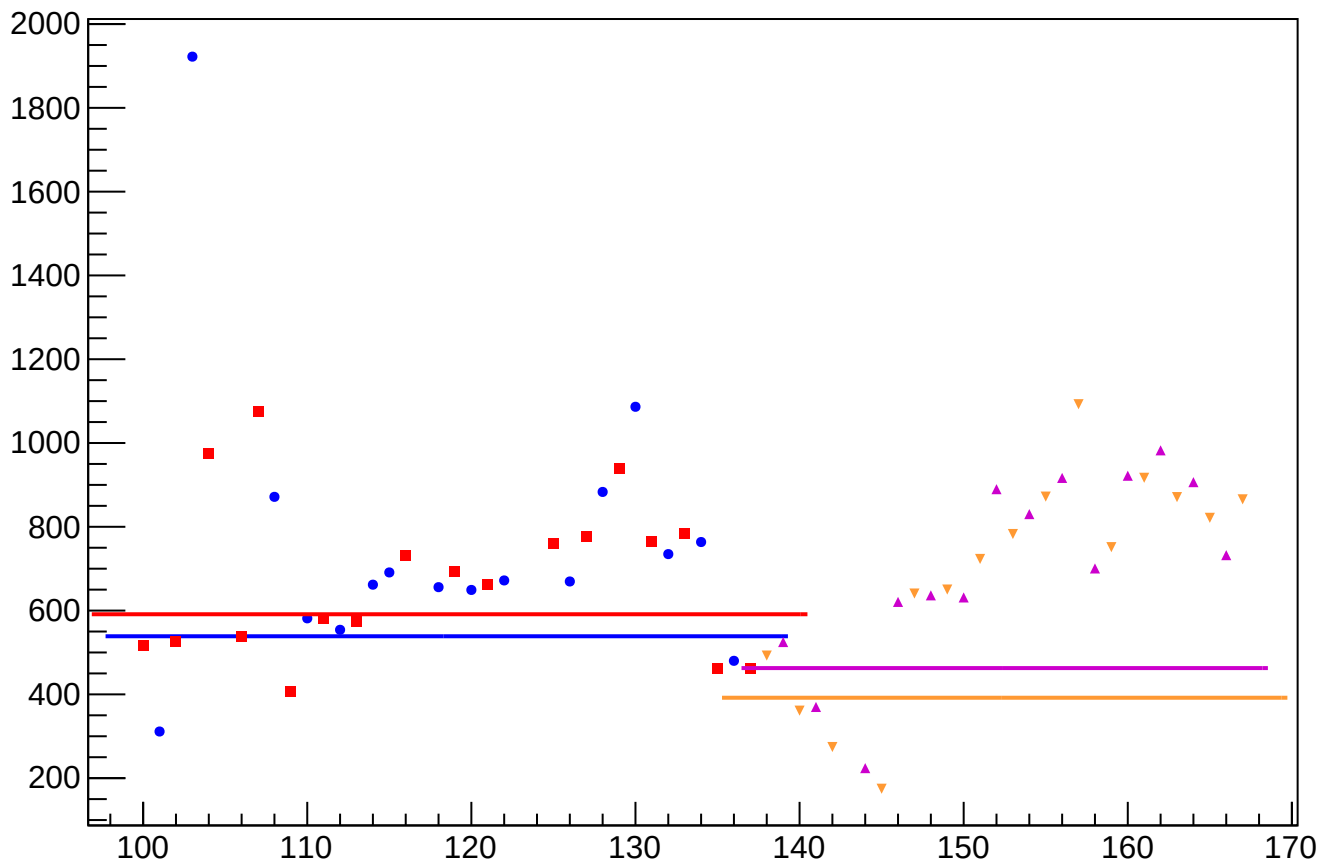
Left In: -230.299 ± 155.459 $\chi^2/\text{NDF}: 11.2/13$

+ sign 57.906 ± 117.263 $\chi^2/\text{NDF}: 25.2/30$

All: -33.733 ± 87.129 $\chi^2/\text{NDF}: 60.2/62$

- sign -146.684 ± 130.186 $\chi^2/\text{NDF}: 33.6/31$

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: 391.964 $\pm$ 0.098 χ^2 /NDF: 7020821.2/14

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

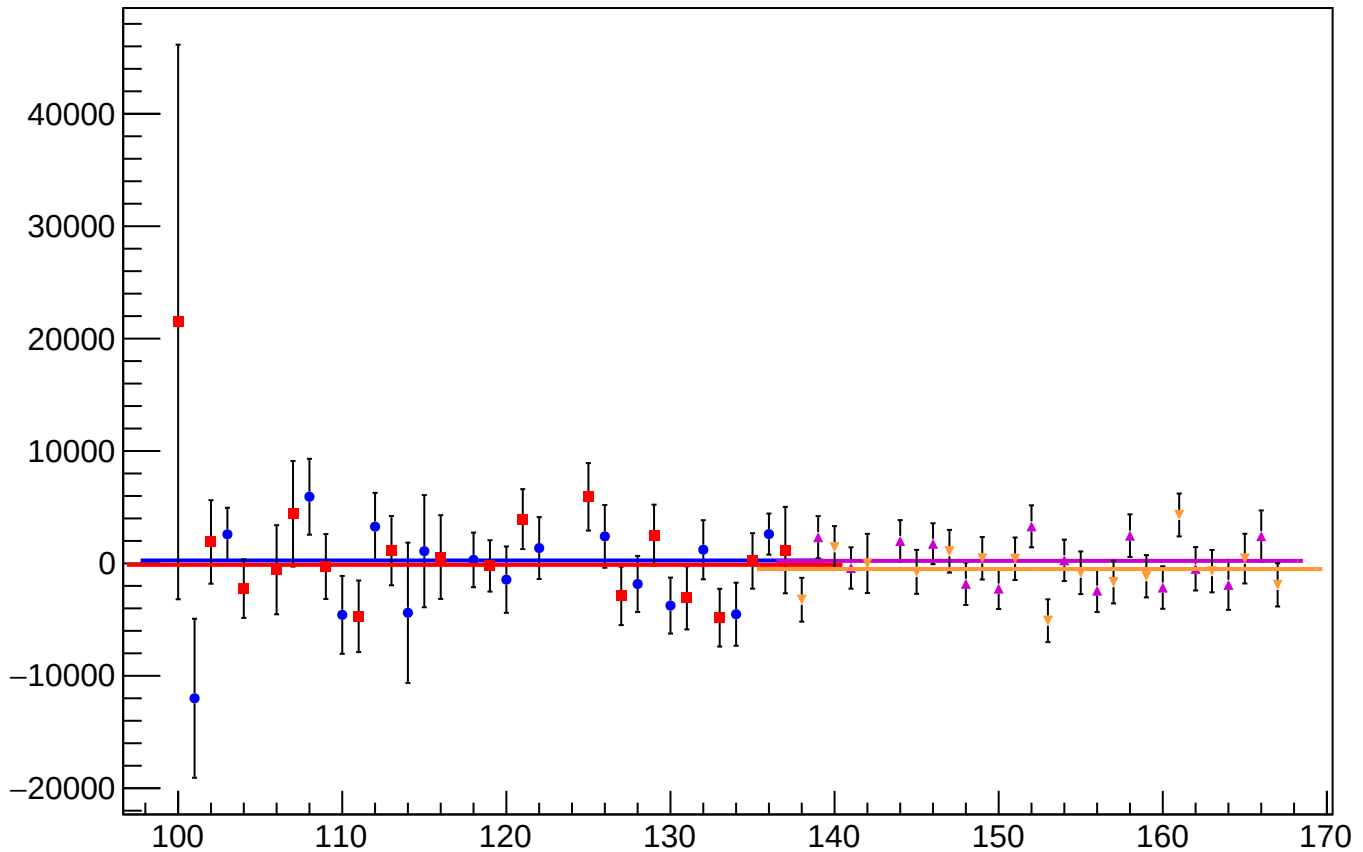
Left In: 462.741 $\pm$ 0.110 χ^2 /NDF: 5038338.1/13

+ sign 433.644 $\pm$ 0.083 χ^2 /NDF: 9516614.5/30

All: 463.870 $\pm$ 0.062 χ^2 /NDF: 16104352.1/62

- sign 501.126 $\pm$ 0.092 χ^2 /NDF: 6291060.0/31

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: -498.372 $\pm$ 504.304 χ^2 /NDF:17.7/14

Right Out: -130.049 $\pm$ 713.724 χ^2 /NDF: 18.0/17

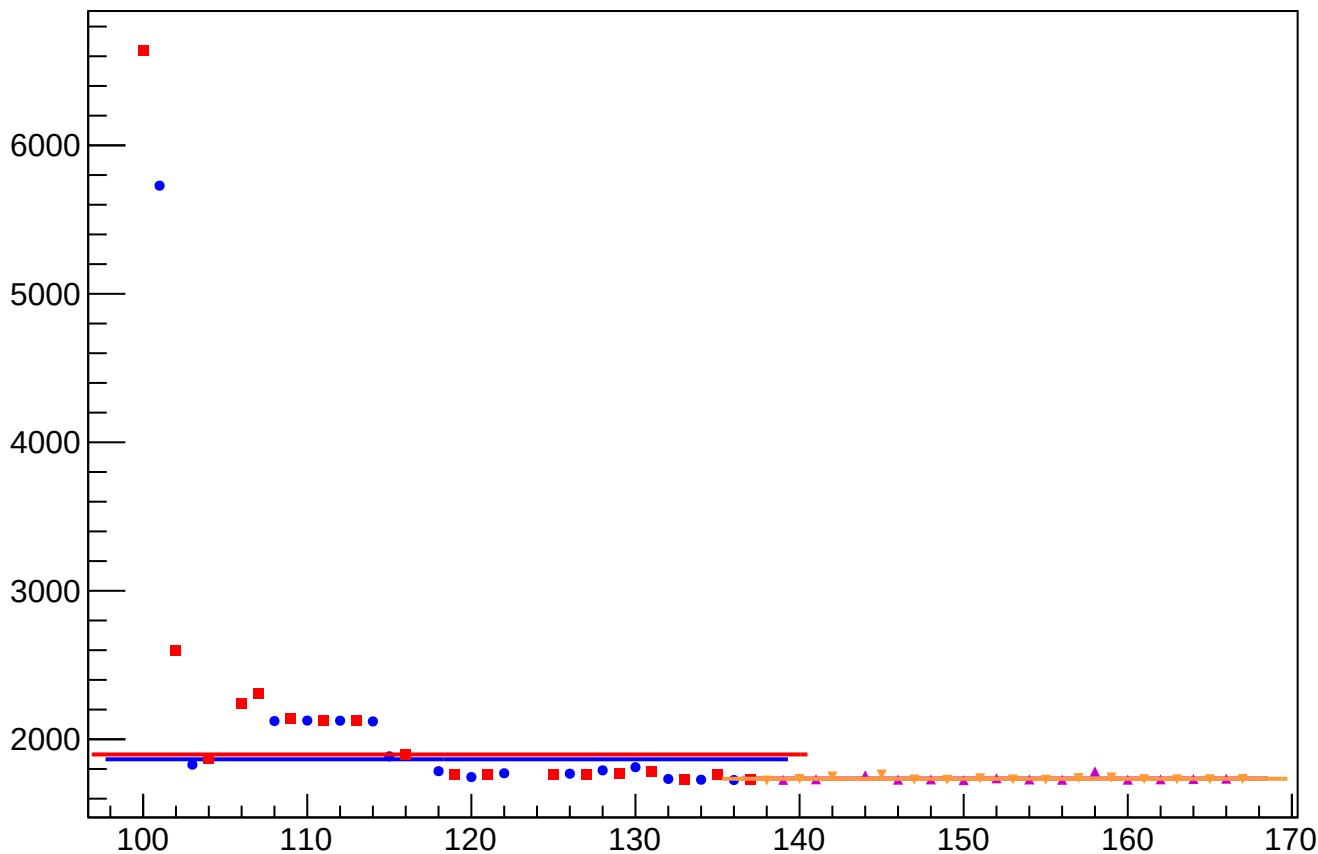
Left In: 225.811 $\pm$ 510.854 χ^2 /NDF:15.6/13

+ sign -244.028 $\pm$ 411.087 χ^2 /NDF: 37.9/30

All: -71.211 $\pm$ 292.199 χ^2 /NDF: 72.0/62

- sign 105.260 $\pm$ 415.409 χ^2 /NDF: 33.8/31

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: 1734.053 $\pm$ 0.357 χ^2 /NDF: 697.4/14

Right Out: 1897.700 $\pm$ 0.505 χ^2 /NDF: 257735.0/17

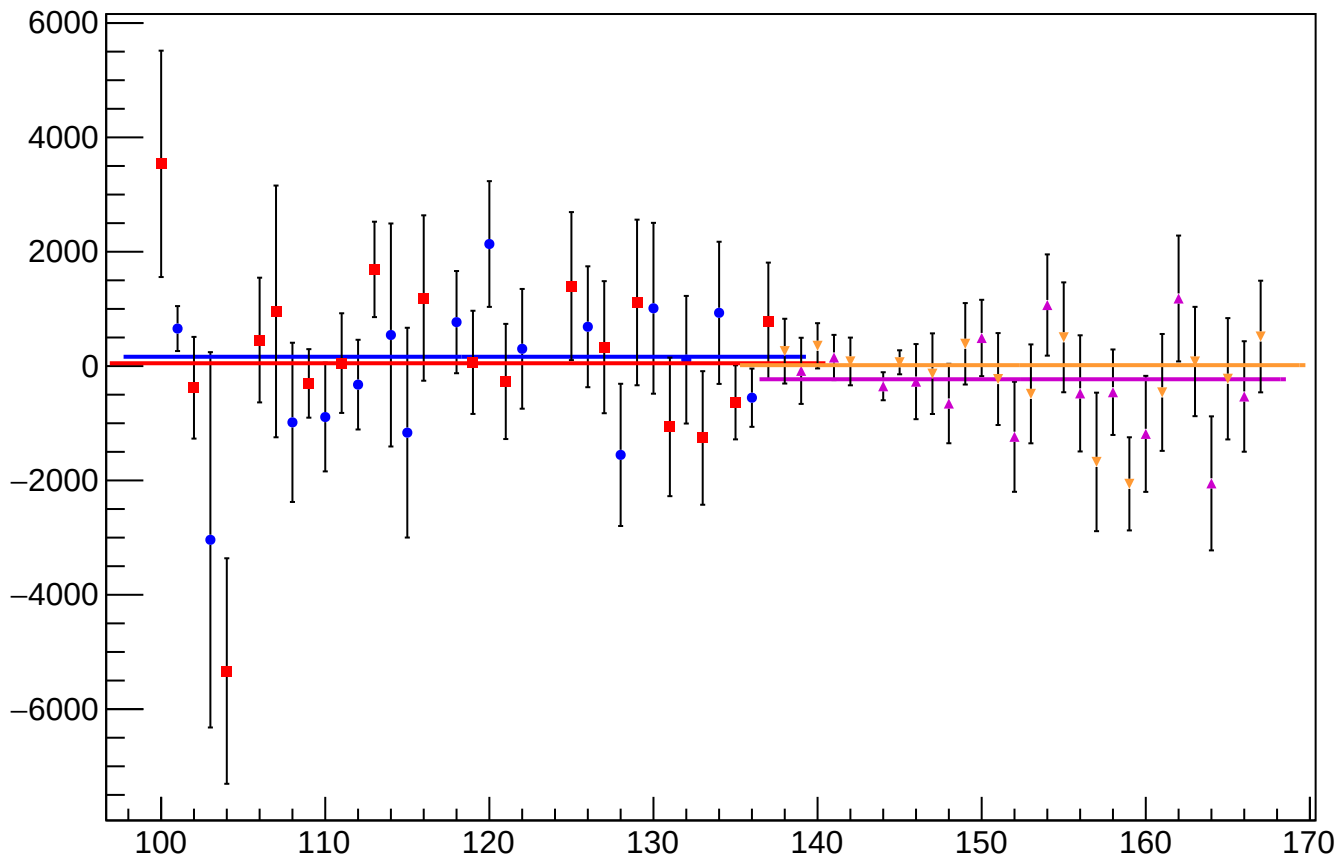
Left In: 1735.942 $\pm$ 0.361 χ^2 /NDF: 1885.9/13

+ sign 1778.046 $\pm$ 0.291 χ^2 /NDF: 718782.8/30

All: 1784.326 $\pm$ 0.207 χ^2 /NDF: 1047277.0/62

- sign 1790.740 $\pm$ 0.294 χ^2 /NDF: 327550.6/31

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 163.149 $\pm$ 220.024 χ^2 /NDF: 13.9/15

Left Out: 16.154 $\pm$ 138.585 χ^2 /NDF:11.0/14

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

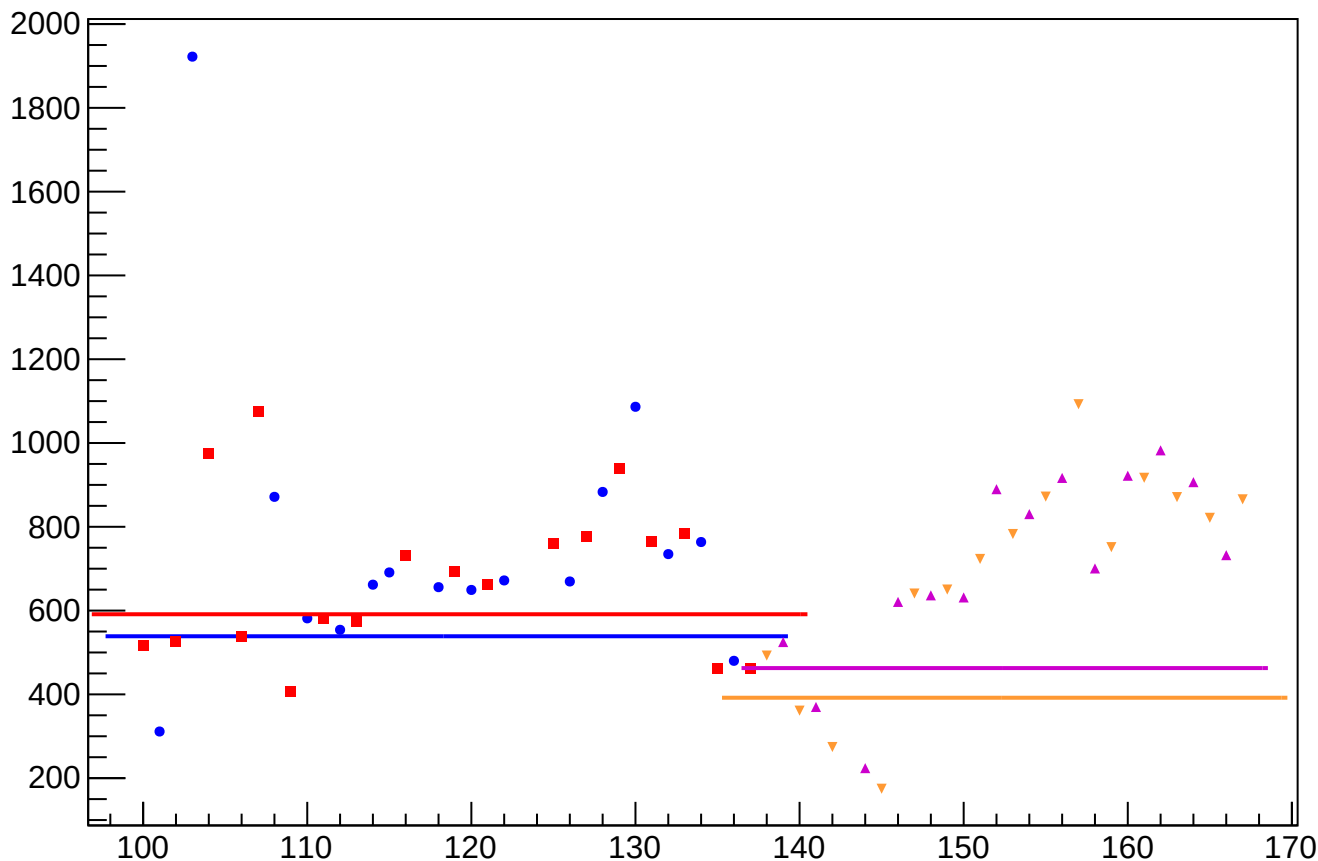
Left In: -230.299 $\pm$ 155.459 χ^2 /NDF:11.2/13

+ sign 57.906 $\pm$ 117.263 χ^2 /NDF: 25.2/30

All: -33.733 $\pm$ 87.129 χ^2 /NDF: 60.2/62

- sign -146.684 $\pm$ 130.186 χ^2 /NDF: 33.6/31

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: 391.964 $\pm$ 0.098 χ^2 /NDF: 7020821.2/14

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

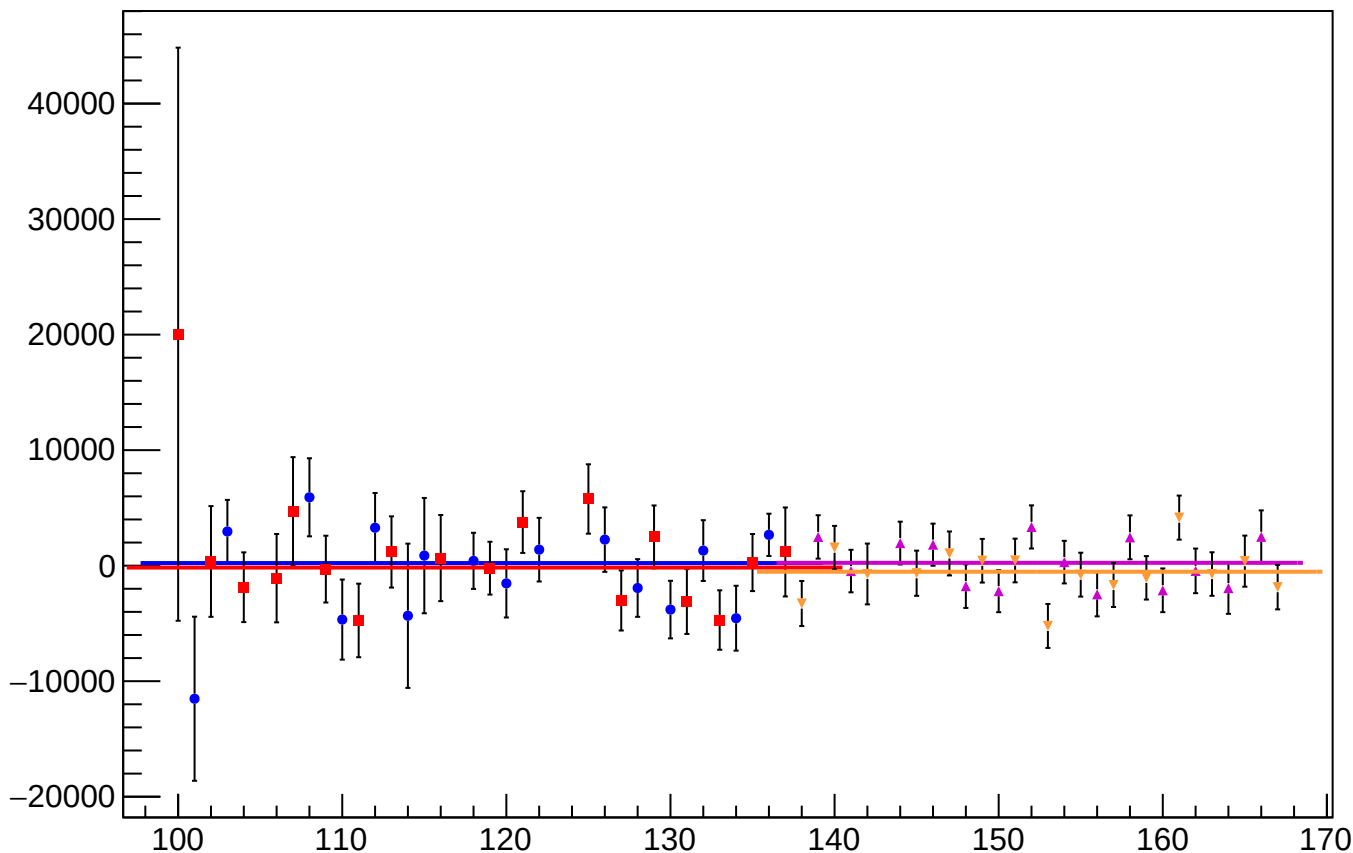
Left In: 462.741 $\pm$ 0.110 χ^2 /NDF: 5038338.1/13

+ sign 433.644 $\pm$ 0.083 χ^2 /NDF: 9516614.5/30

All: 463.870 $\pm$ 0.062 χ^2 /NDF: 16104352.1/62

- sign 501.126 $\pm$ 0.092 χ^2 /NDF: 6291060.0/31

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227 ± 718.556 χ^2/NDF : 19.4/15

Left Out: -524.129 ± 504.652 χ^2/NDF : 17.6/14

Right Out: -163.711 ± 725.798 χ^2/NDF : 17.0/17

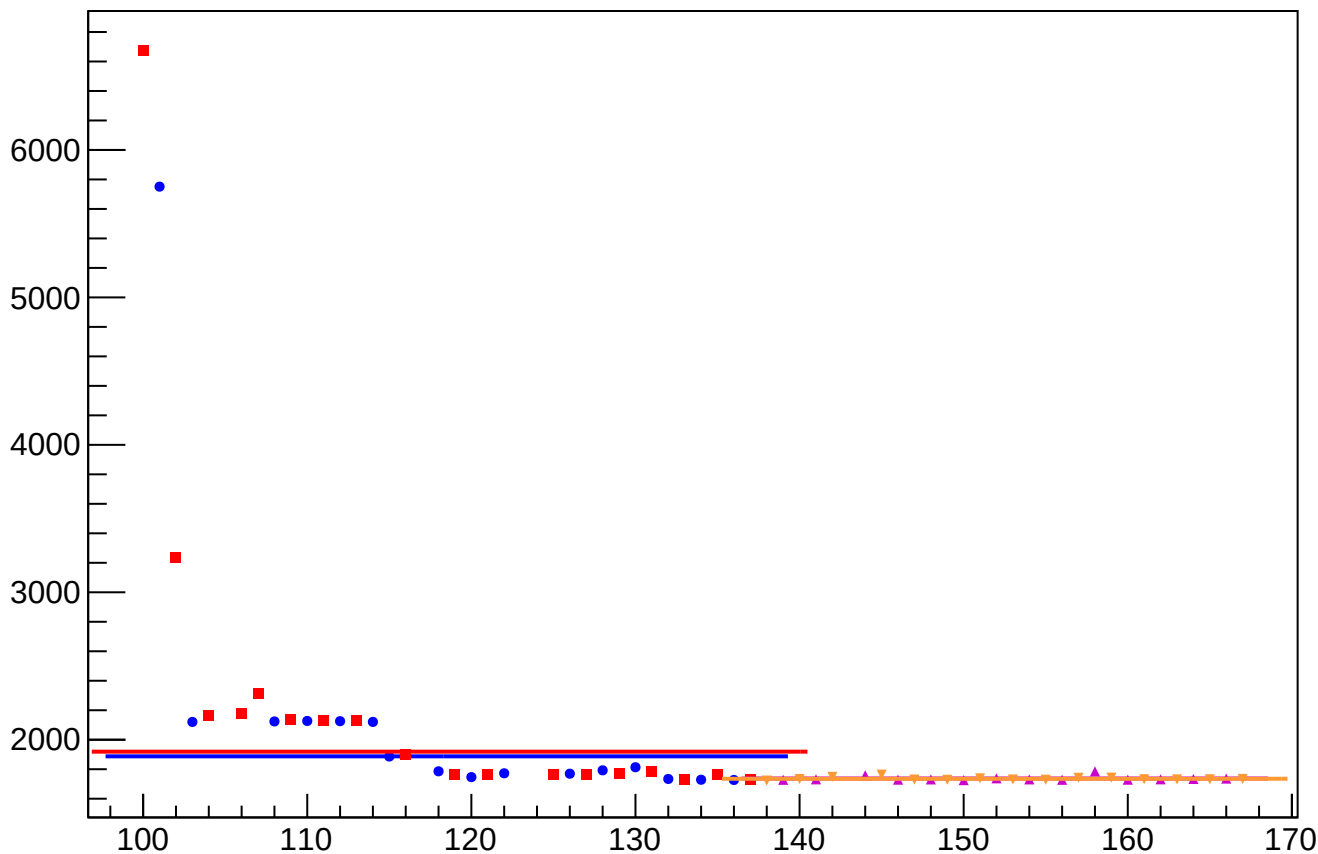
Left In: 246.030 ± 511.184 χ^2/NDF : 15.9/13

+ sign -276.273 ± 412.978 χ^2/NDF : 37.8/30

All: -85.354 ± 293.755 χ^2/NDF : 71.4/62

- sign 110.172 ± 417.931 χ^2/NDF : 33.2/31

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF : 689442.6/15

Left Out: 1735.248+/-0.357 χ^2/NDF : 701.8/14

Right Out: 1919.164+/-0.513 χ^2/NDF : 352567.1/17

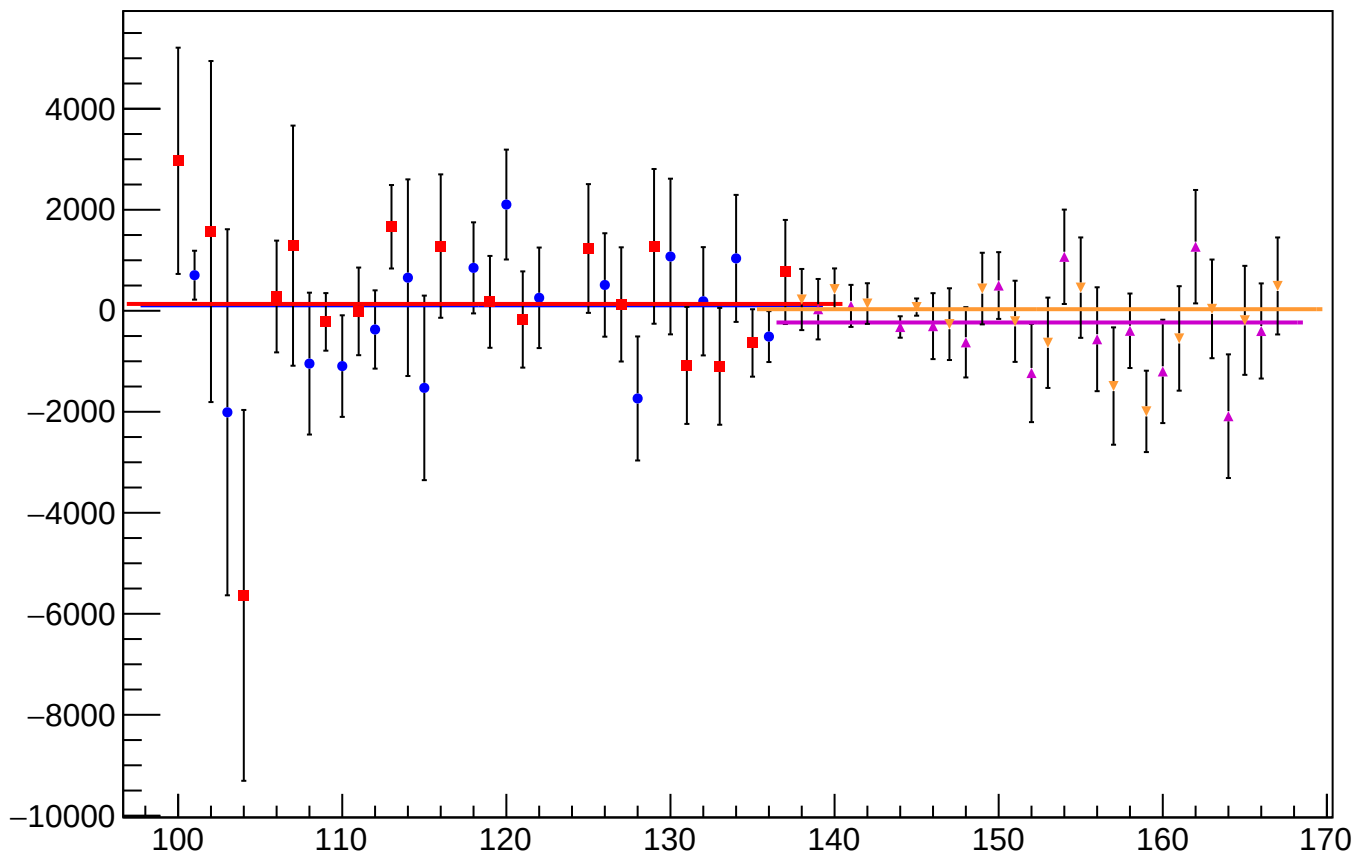
Left In: 1737.061+/-0.361 χ^2/NDF : 1884.5/13

+ sign 1785.477+/-0.292 χ^2/NDF : 750126.4/30

All: 1791.388+/-0.208 χ^2/NDF : 1189564.1/62

- sign 1797.441+/-0.296 χ^2/NDF : 438608.3/31

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: 31.317 $\pm$ 125.691 χ^2 /NDF:11.1/14

Right Out: 135.358 $\pm$ 245.933 χ^2 /NDF: 14.4/17

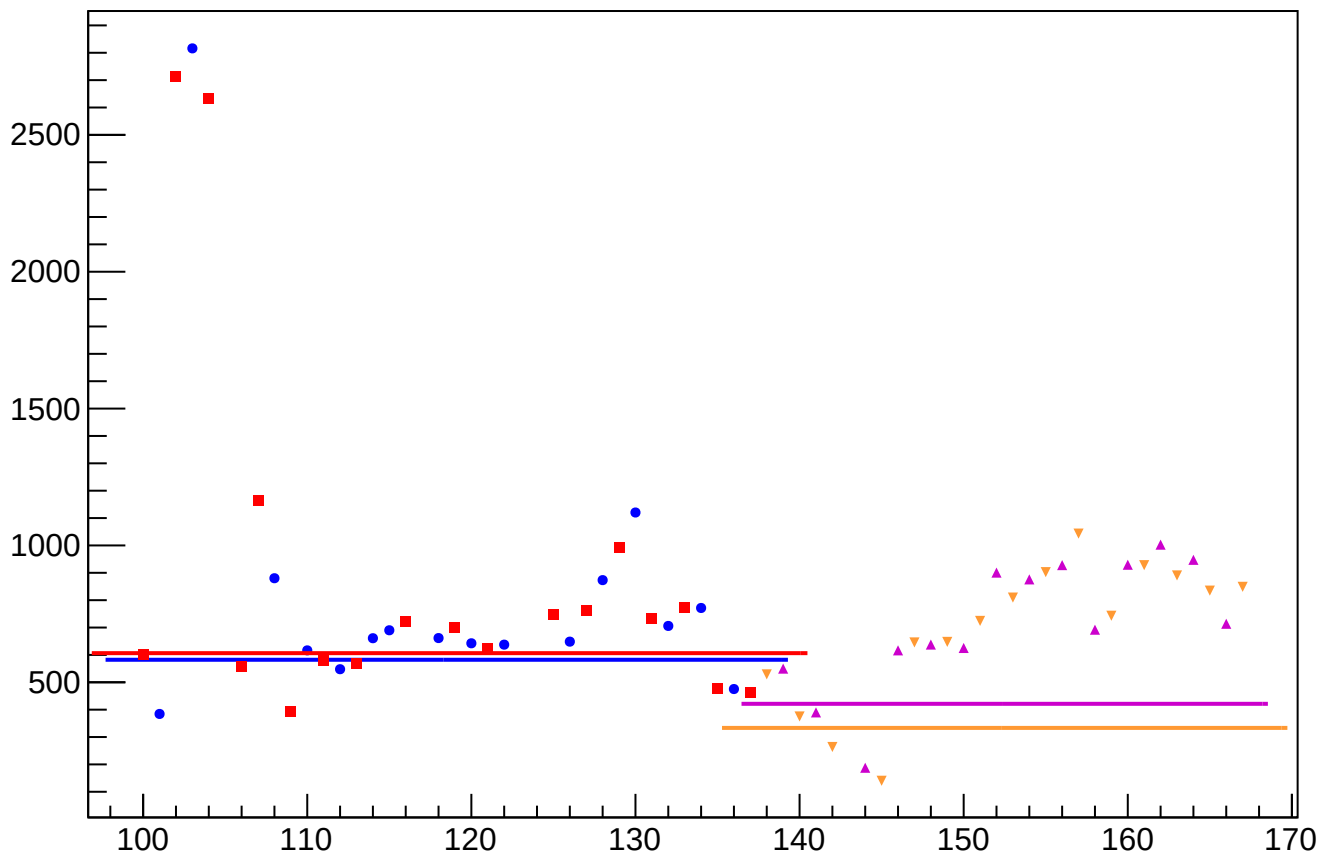
Left In: -231.830 $\pm$ 147.480 χ^2 /NDF:10.7/13

+ sign 48.781 $\pm$ 110.483 χ^2 /NDF: 25.4/30

All: -30.633 $\pm$ 83.208 χ^2 /NDF: 53.2/62

- sign -134.711 $\pm$ 126.481 χ^2 /NDF: 26.7/31

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: 333.344+/-0.089 χ^2/NDF : 8918901.1/14

Right Out: 606.451+/-0.174 χ^2/NDF : 2198399.5/17

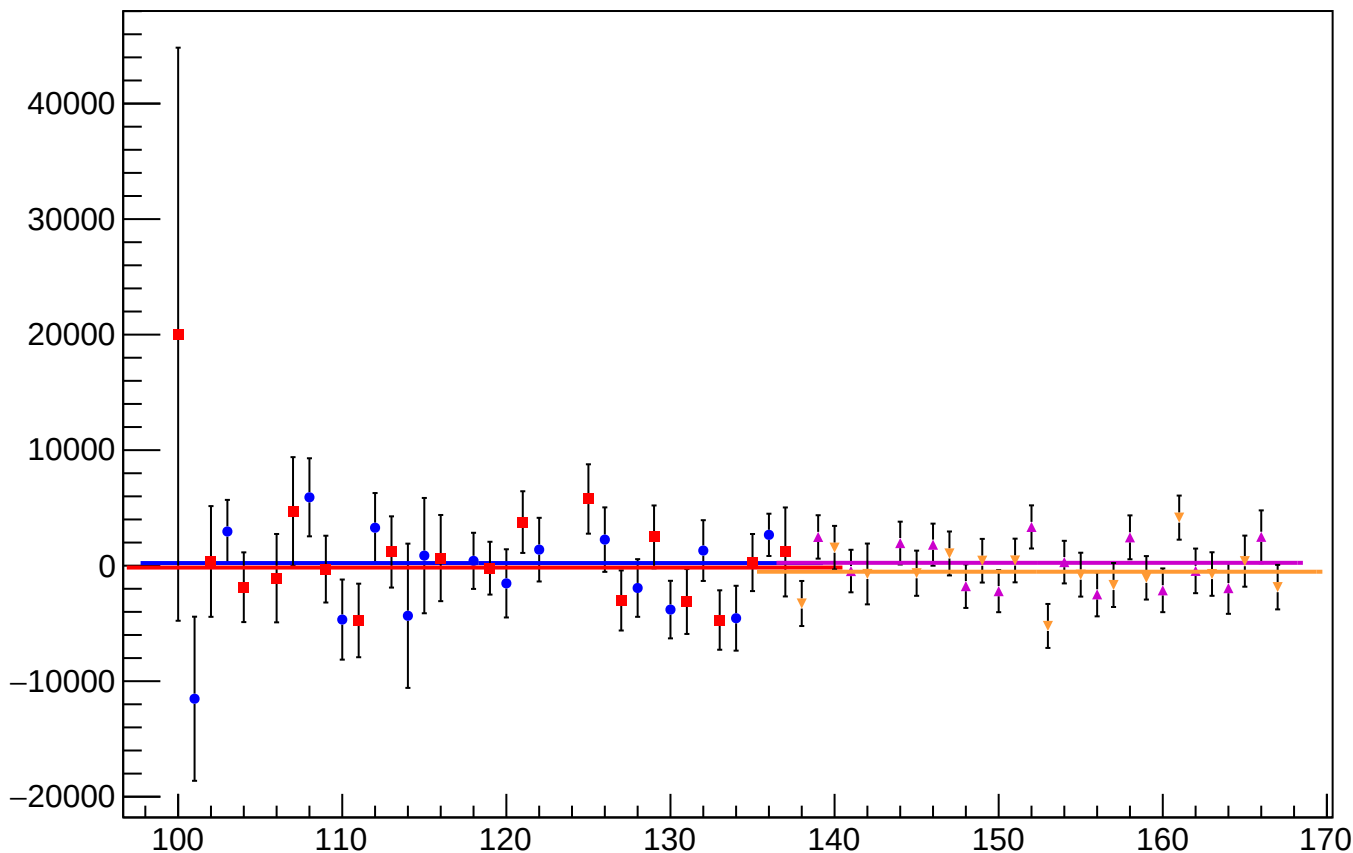
Left In: 421.347+/-0.104 χ^2/NDF : 6393319.2/13

+ sign 389.938+/-0.078 χ^2/NDF : 12456645.4/30

All: 424.721+/-0.059 χ^2/NDF : 22339705.9/62

- sign 470.306+/-0.089 χ^2/NDF : 9425039.6/31

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: -524.133 $\pm$ 504.652 χ^2 /NDF:17.6/14

Right Out: -163.711 $\pm$ 725.798 χ^2 /NDF: 17.0/17

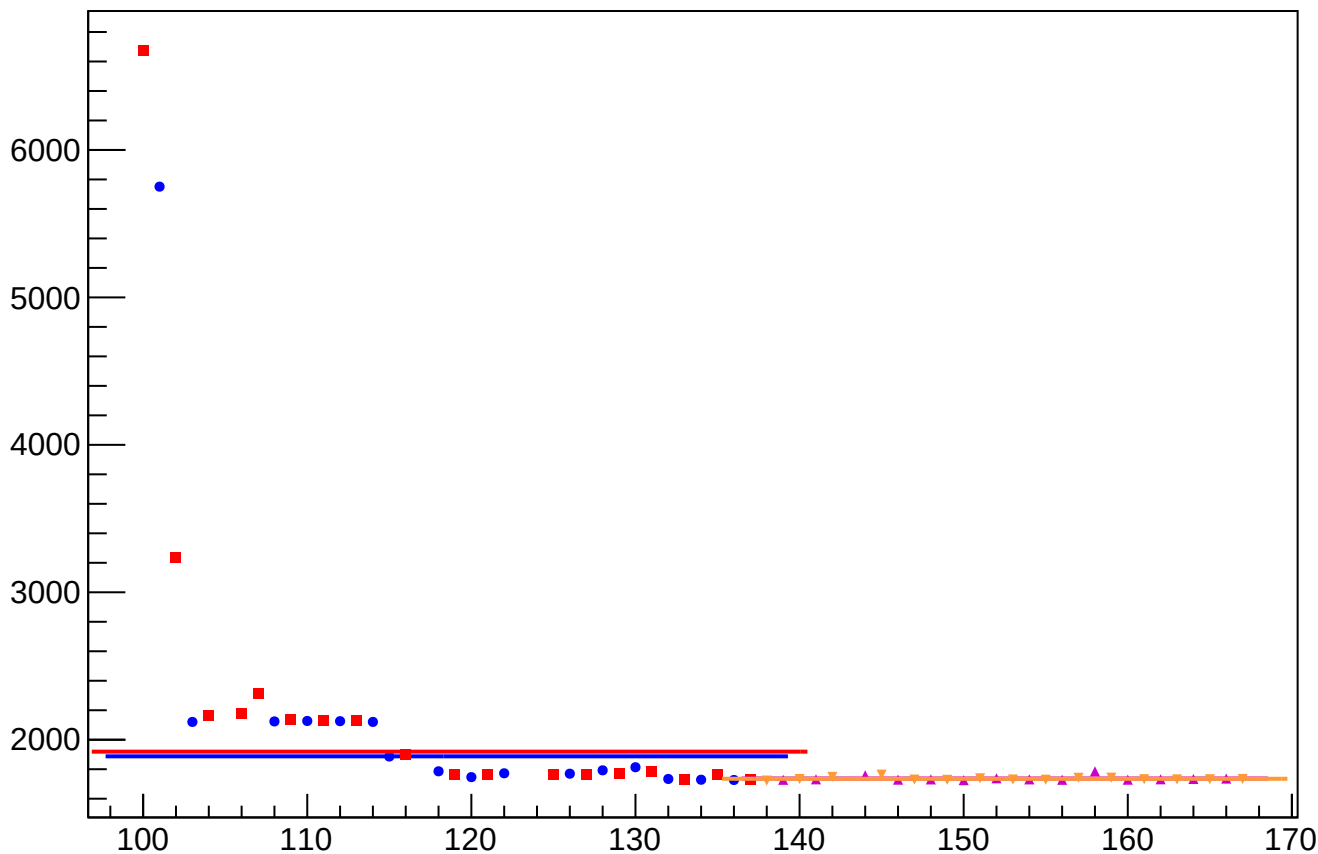
Left In: 246.029 $\pm$ 511.184 χ^2 /NDF:15.9/13

+ sign -276.276 $\pm$ 412.978 χ^2 /NDF: 37.8/30

All: -85.356 $\pm$ 293.755 χ^2 /NDF: 71.4/62

- sign 110.171 $\pm$ 417.931 χ^2 /NDF: 33.2/31

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: 1735.248+/-0.357 χ^2/NDF : 701.8/14

Right Out: 1919.164+/-0.513 χ^2/NDF : 352566.4/17

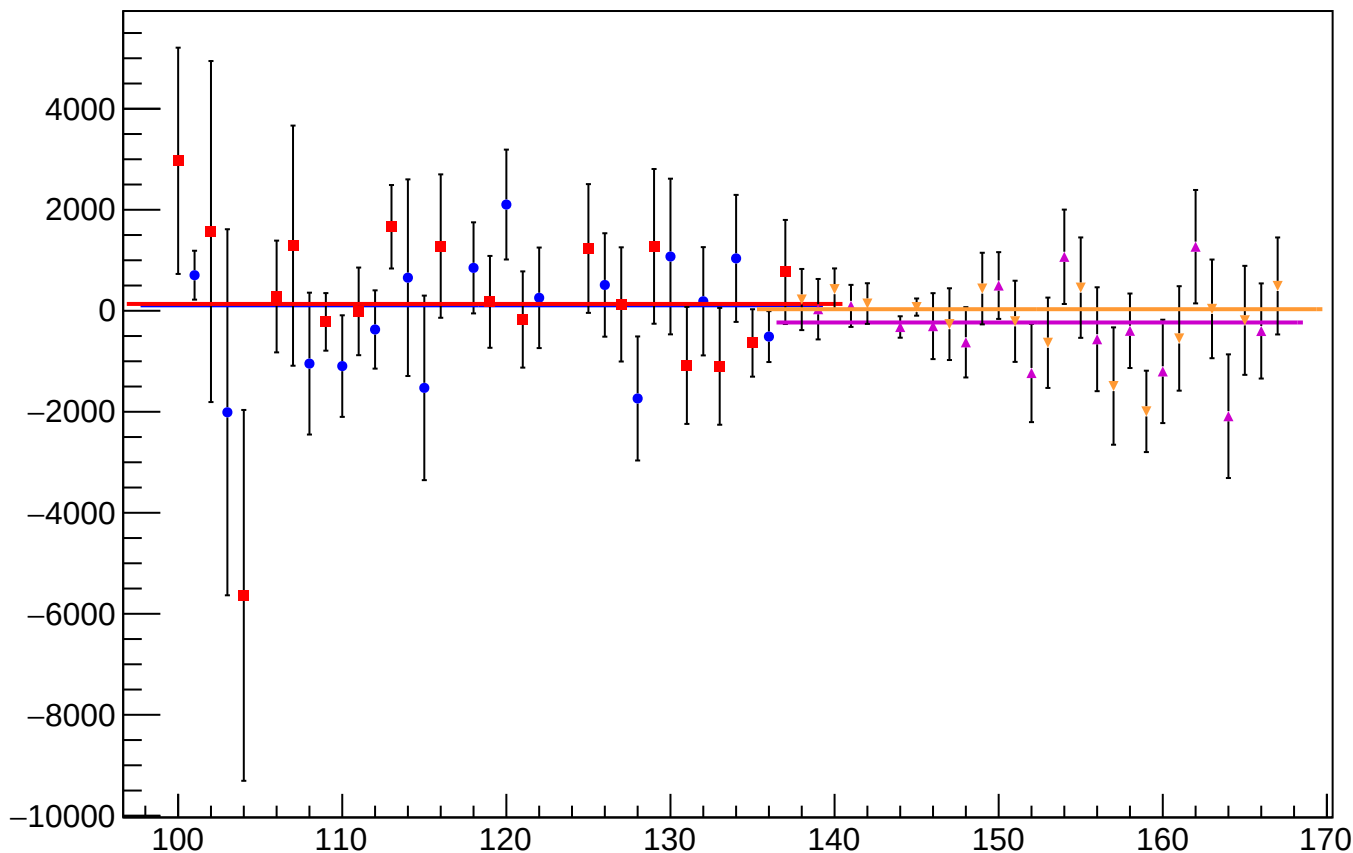
Left In: 1737.061+/-0.361 χ^2/NDF : 1884.5/13

+ sign 1785.477+/-0.292 χ^2/NDF : 750126.1/30

All: 1791.388+/-0.208 χ^2/NDF : 1189562.9/62

- sign 1797.441+/-0.296 χ^2/NDF : 438607.5/31

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 108.128 ± 231.710 $\chi^2/\text{NDF}: 14.2/15$

Left Out: 31.315 ± 125.691 $\chi^2/\text{NDF}: 11.1/14$

Right Out: 135.356 ± 245.932 $\chi^2/\text{NDF}: 14.4/17$

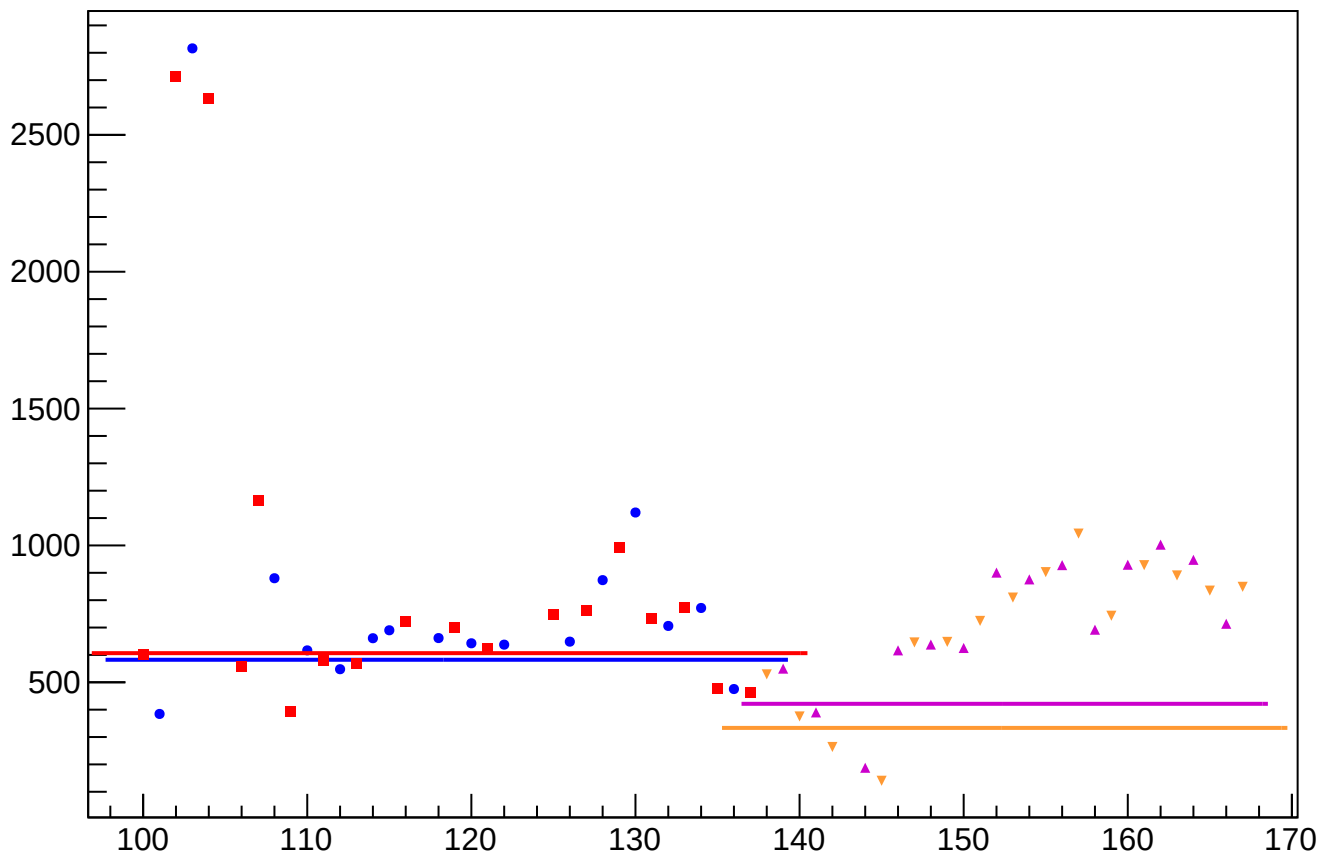
Left In: -231.830 ± 147.480 $\chi^2/\text{NDF}: 10.7/13$

+ sign 48.779 ± 110.483 $\chi^2/\text{NDF}: 25.4/30$

All: -30.634 ± 83.208 $\chi^2/\text{NDF}: 53.2/62$

- sign -134.711 ± 126.481 $\chi^2/\text{NDF}: 26.7/31$

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 582.268 $\pm$ 0.164 χ^2 /NDF: 1754289.3/15

Left Out: 333.344 $\pm$ 0.089 χ^2 /NDF: 8918933.1/14

Right Out: 606.447 $\pm$ 0.174 χ^2 /NDF: 2198414.3/17

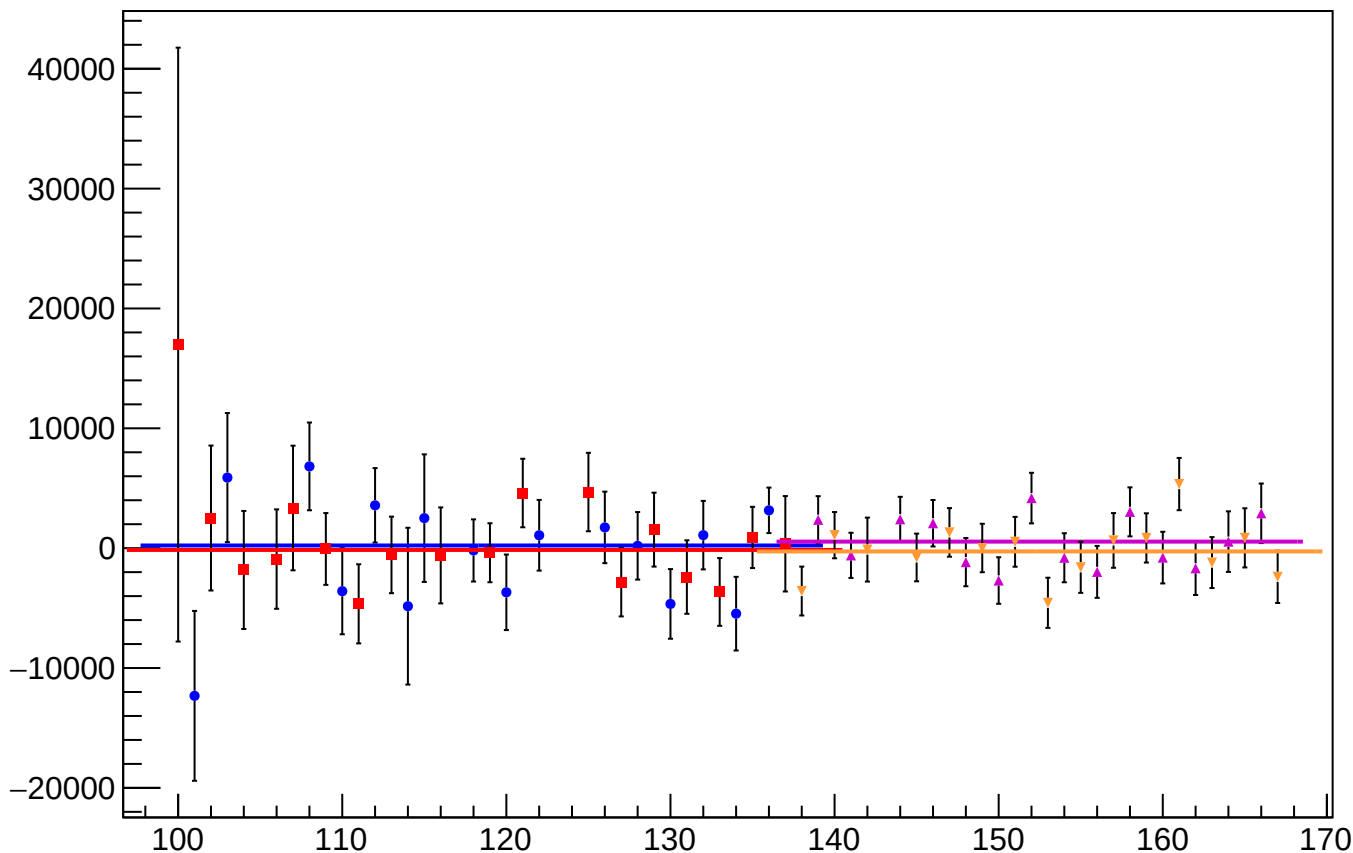
Left In: 421.347 $\pm$ 0.104 χ^2 /NDF: 6393338.3/13

+ sign 389.938 $\pm$ 0.078 χ^2 /NDF: 12456649.8/30

All: 424.721 $\pm$ 0.059 χ^2 /NDF: 22339711.8/62

- sign 470.306 $\pm$ 0.089 χ^2 /NDF: 9425041.4/31

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521 $\pm$ 791.678 χ^2 /NDF: 21.2/15

Left Out: -272.710 $\pm$ 550.132 χ^2 /NDF:17.0/14

Right Out: -147.974 $\pm$ 794.180 χ^2 /NDF: 11.6/17

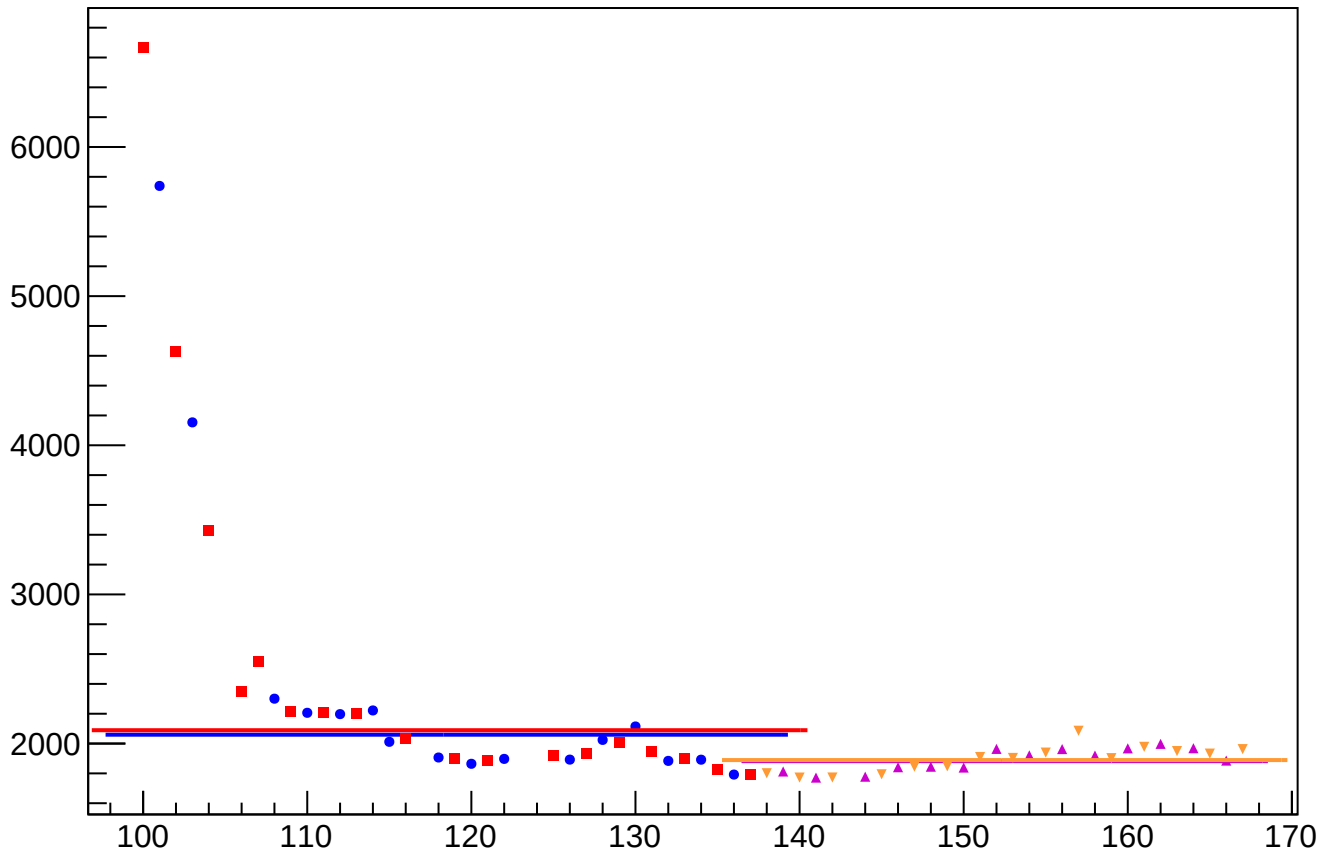
Left In: 547.008 $\pm$ 554.337 χ^2 /NDF:14.9/13

+ sign -110.794 $\pm$ 451.767 χ^2 /NDF: 38.4/30

All: 102.946 $\pm$ 320.429 χ^2 /NDF: 65.8/62

- sign 319.334 $\pm$ 454.557 χ^2 /NDF: 27.0/31

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496 $\pm$ 0.560 χ^2 /NDF: 939873.6/15

Left Out: 1889.269 $\pm$ 0.389 χ^2 /NDF: 45512.4/14

+ sign 1944.701 $\pm$ 0.319 χ^2 /NDF: 1047743.1/30

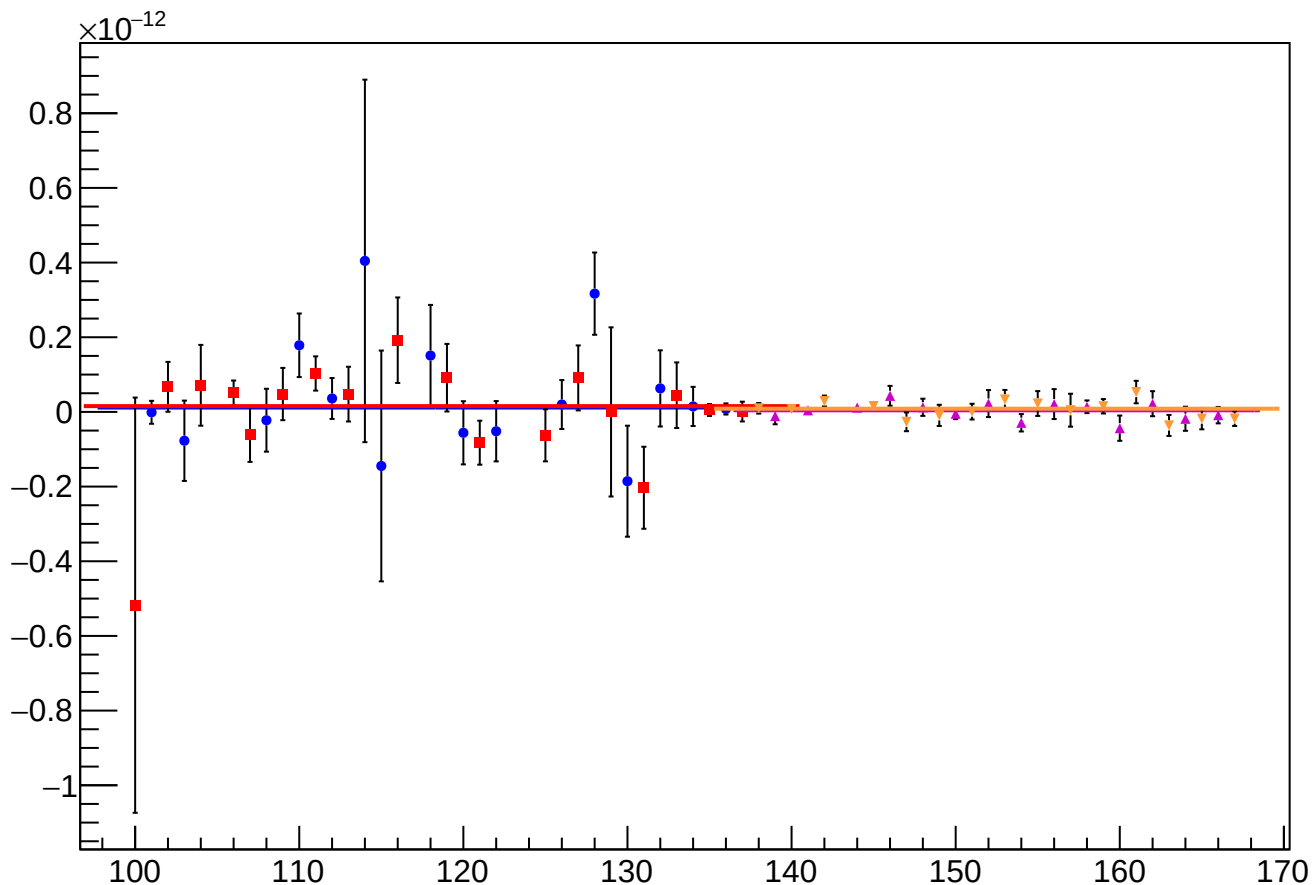
Right Out: 2089.476 $\pm$ 0.562 χ^2 /NDF: 681465.8/17

All: 1947.346 $\pm$ 0.227 χ^2 /NDF: 1857309.6/62

Left In: 1882.082 $\pm$ 0.392 χ^2 /NDF: 36252.4/13

- sign 1950.024 $\pm$ 0.321 χ^2 /NDF: 809428.5/31

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:13.4/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/17

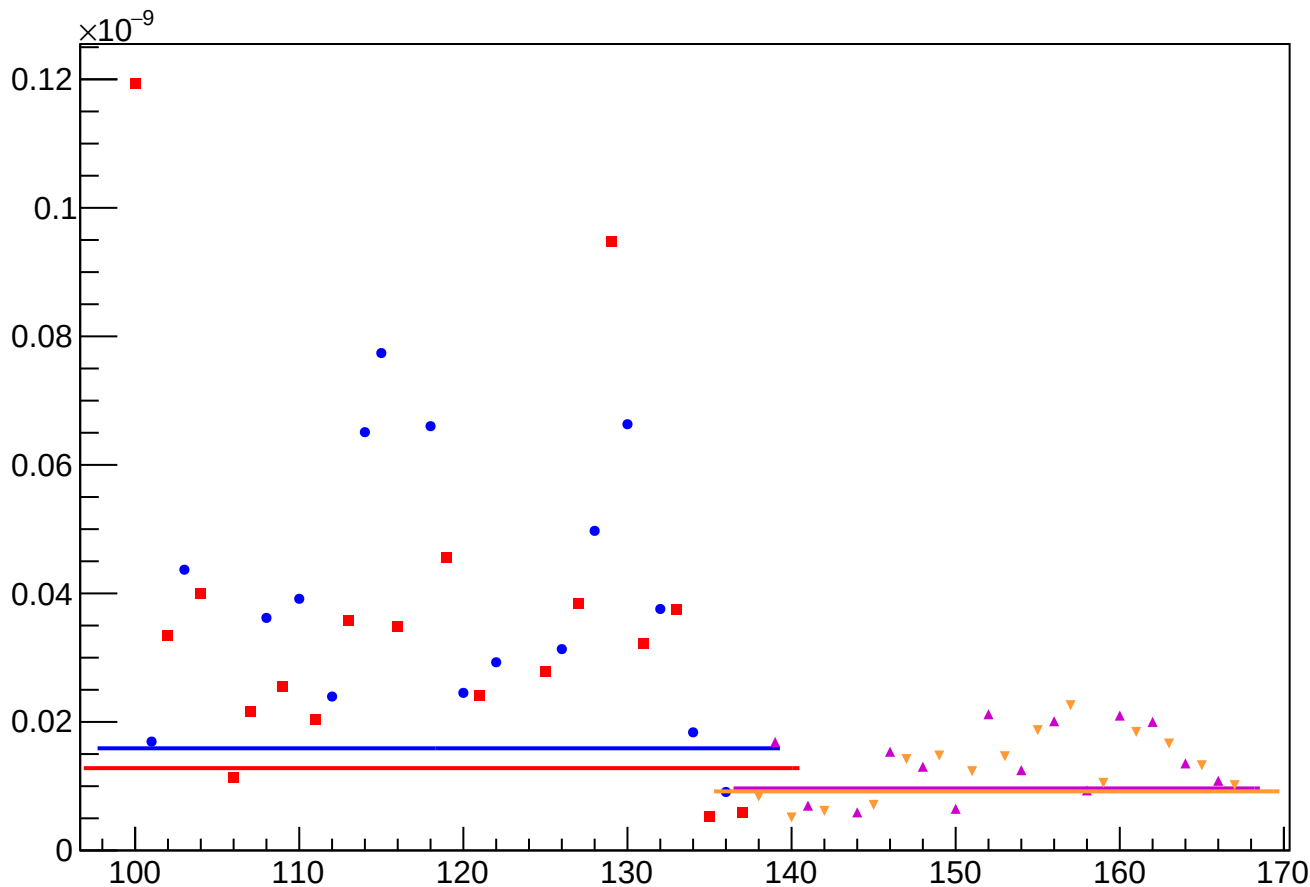
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 63.0/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.3/31

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1935582.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1534068.1/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2486058.2/17

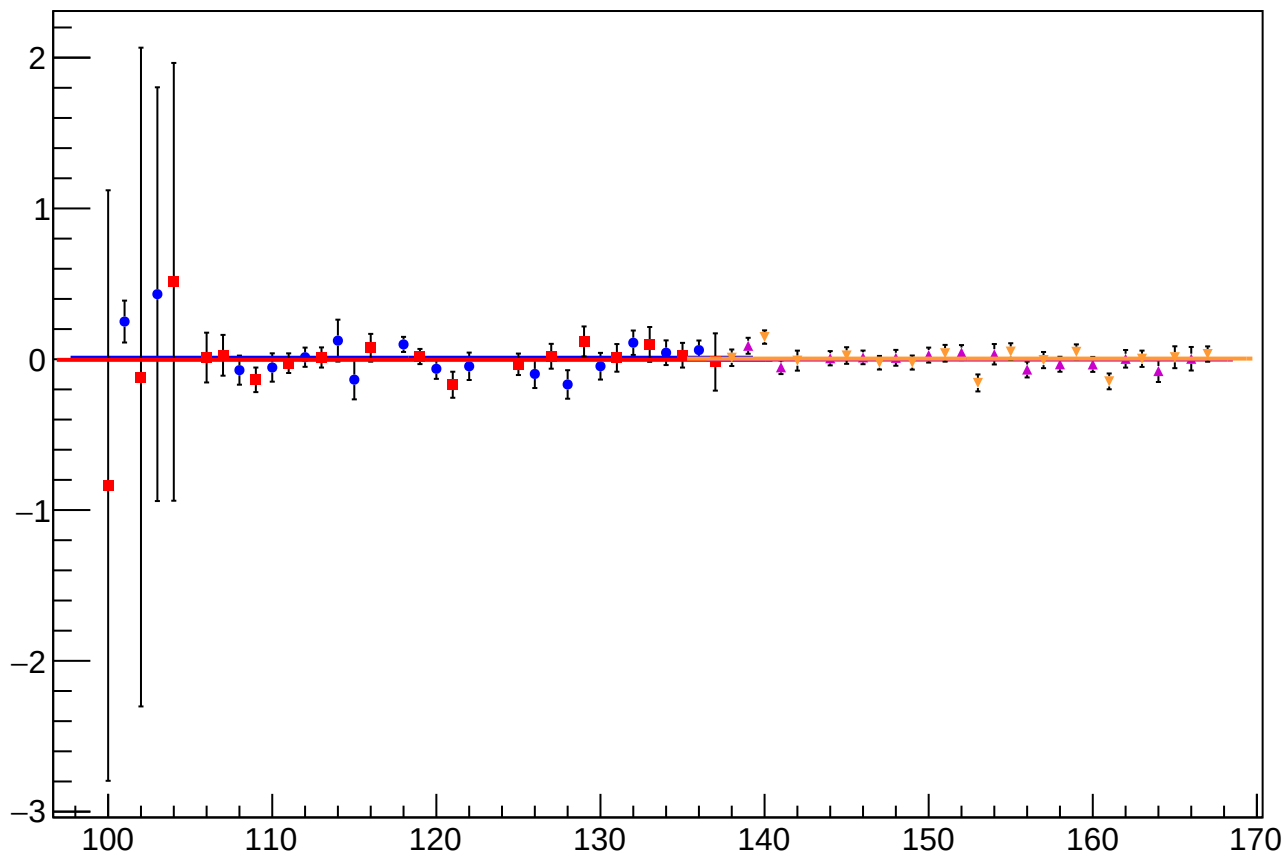
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1676343.6/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4043451.2/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8348831.3/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4305167.7/31

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: 0.004 $\pm$ 0.014 χ^2 /NDF:30.0/14

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

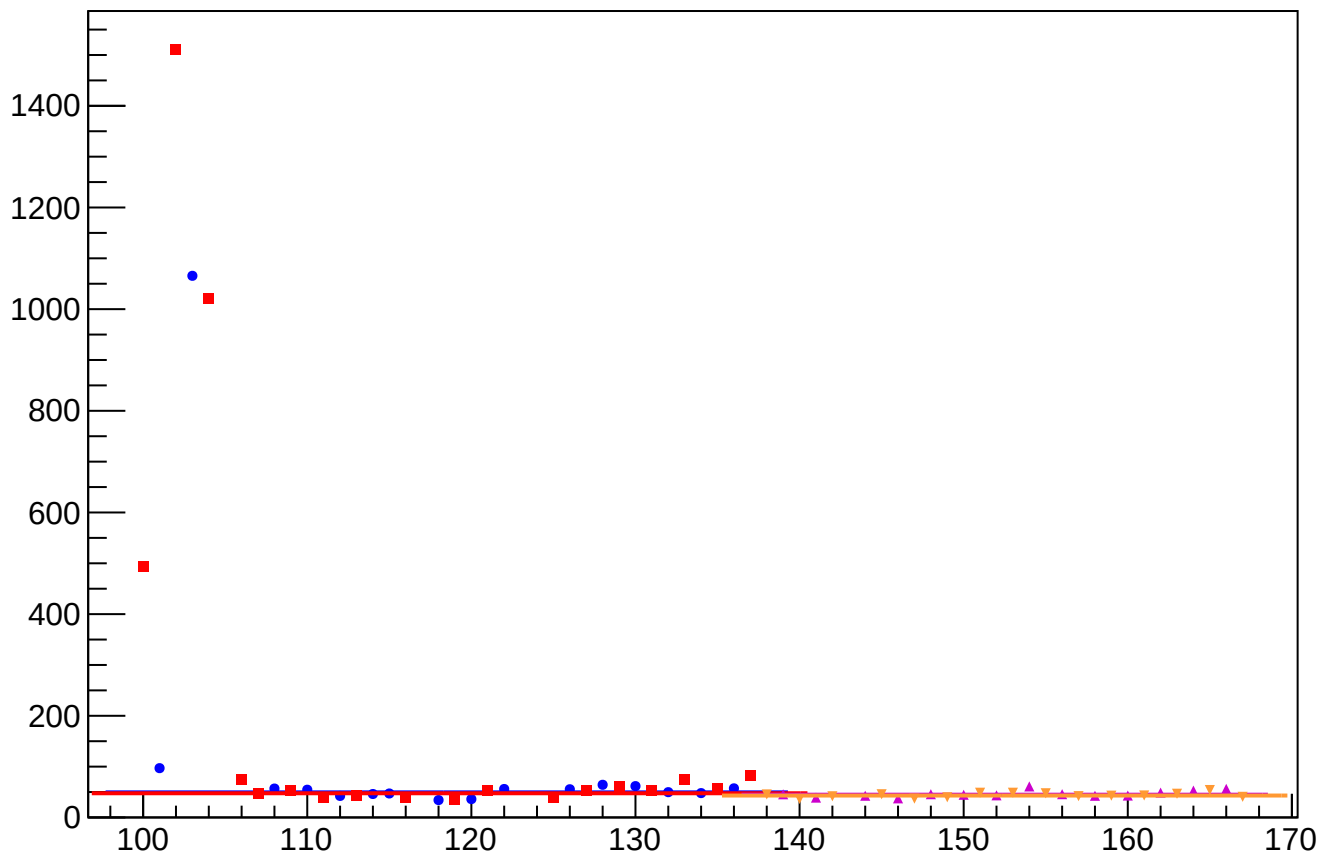
Left In: -0.002 $\pm$ 0.014 χ^2 /NDF:9.5/13

+ sign 0.006 $\pm$ 0.011 χ^2 /NDF: 48.5/30

All: 0.002 $\pm$ 0.008 χ^2 /NDF: 68.8/62

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.0/31

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: 43.121+/-0.010 χ^2/NDF : 212099.2/14

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

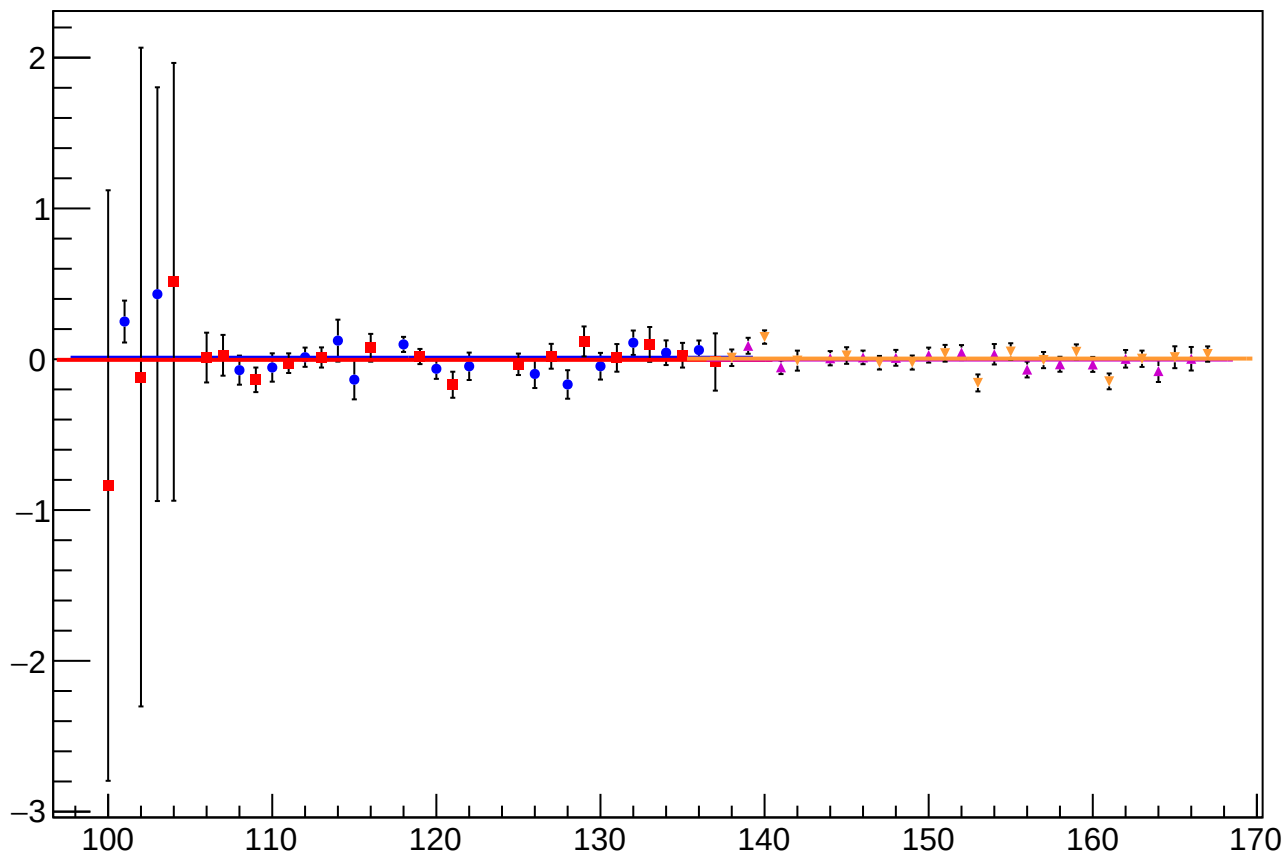
Left In: 44.769+/-0.010 χ^2/NDF : 288878.2/13

+ sign 44.976+/-0.008 χ^2/NDF : 2112344.3/30

All: 45.291+/-0.006 χ^2/NDF : 4846741.0/62

- sign 45.625+/-0.008 χ^2/NDF : 2731285.8/31

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: 0.004 $\pm$ 0.014 χ^2 /NDF:30.0/14

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

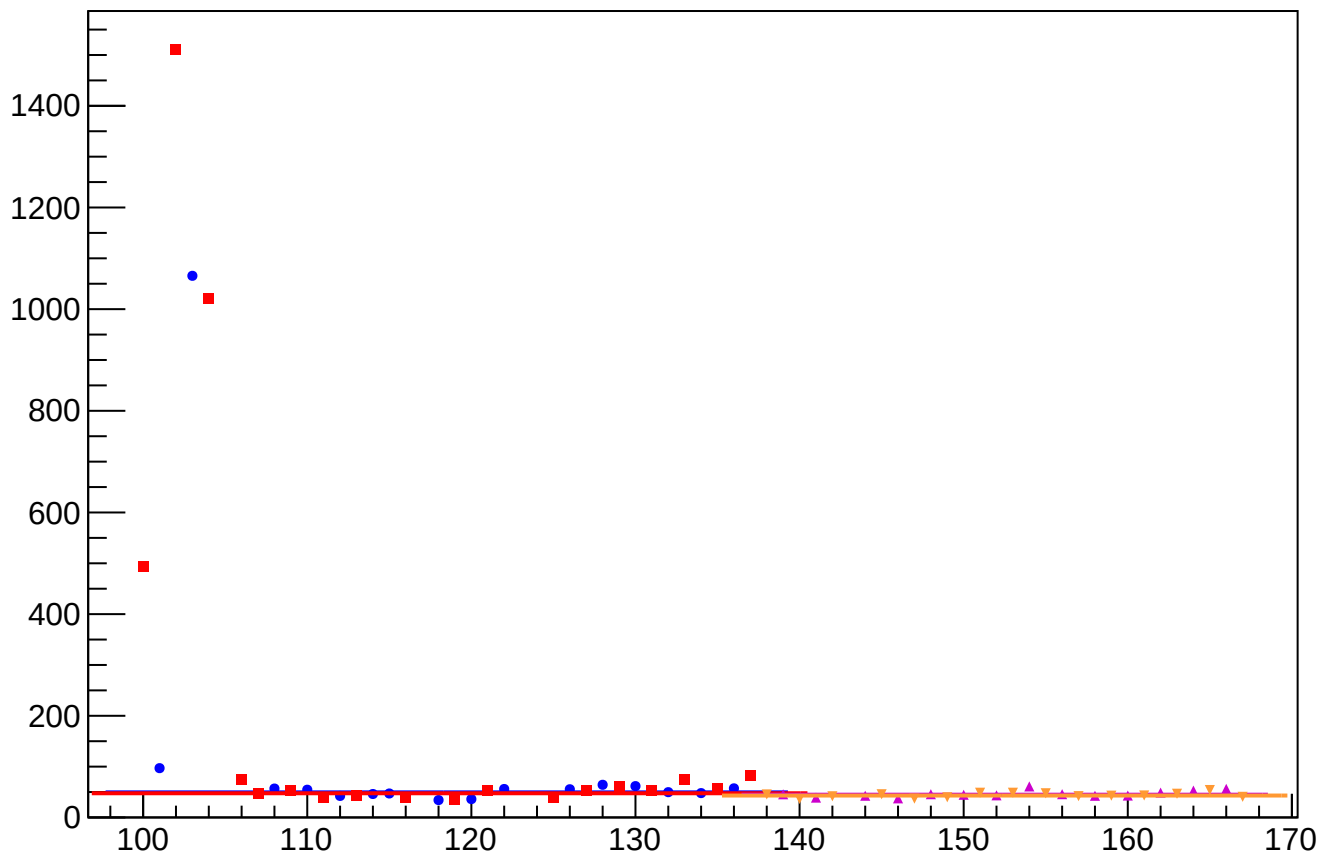
Left In: -0.002 $\pm$ 0.014 χ^2 /NDF:9.5/13

+ sign 0.006 $\pm$ 0.011 χ^2 /NDF: 48.5/30

All: 0.002 $\pm$ 0.008 χ^2 /NDF: 68.8/62

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.0/31

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: 43.121+/-0.010 χ^2/NDF : 212099.2/14

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

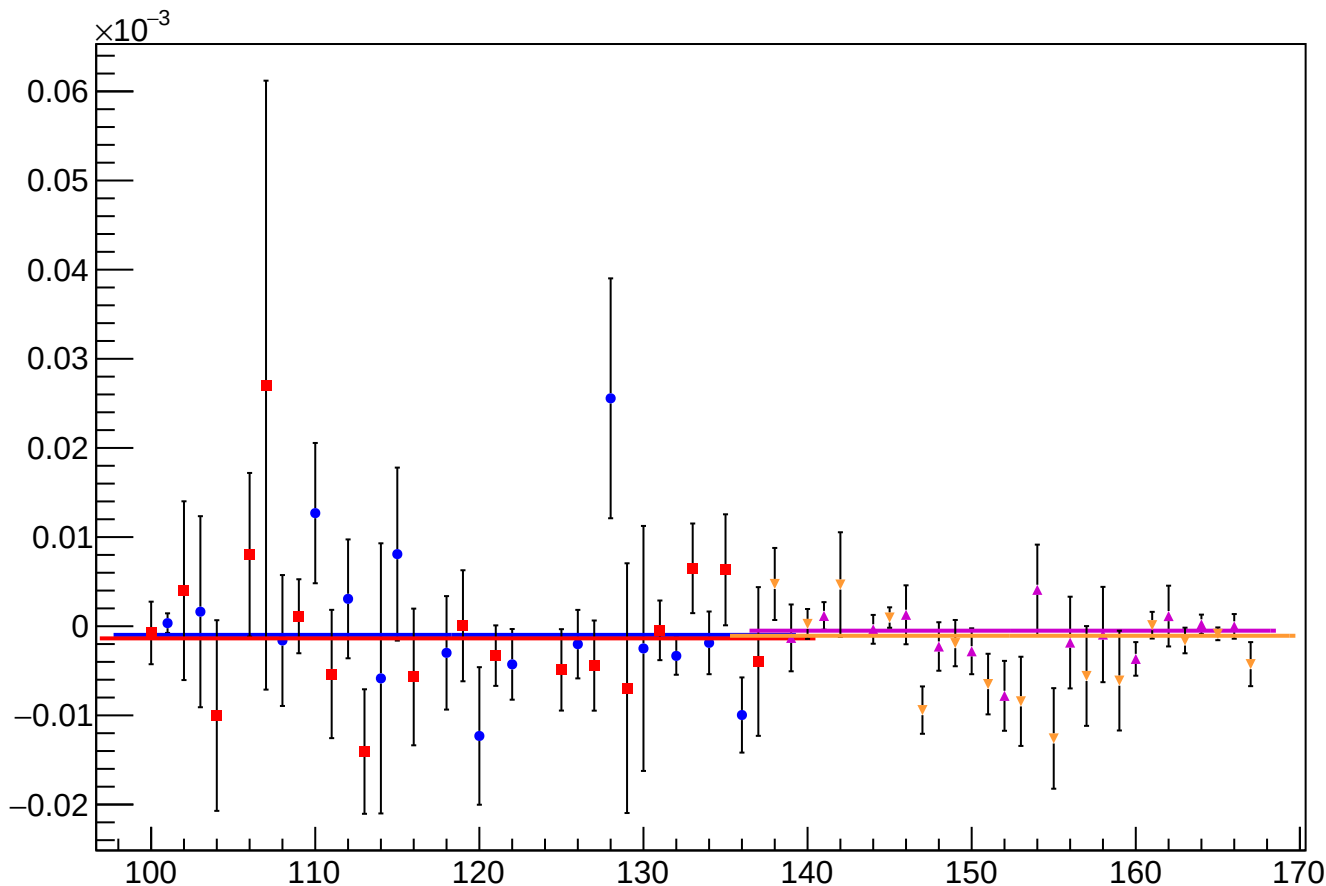
Left In: 44.769+/-0.010 χ^2/NDF : 288878.2/13

+ sign 44.976+/-0.008 χ^2/NDF : 2112344.3/30

All: 45.291+/-0.006 χ^2/NDF : 4846741.0/62

- sign 45.625+/-0.008 χ^2/NDF : 2731285.8/31

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

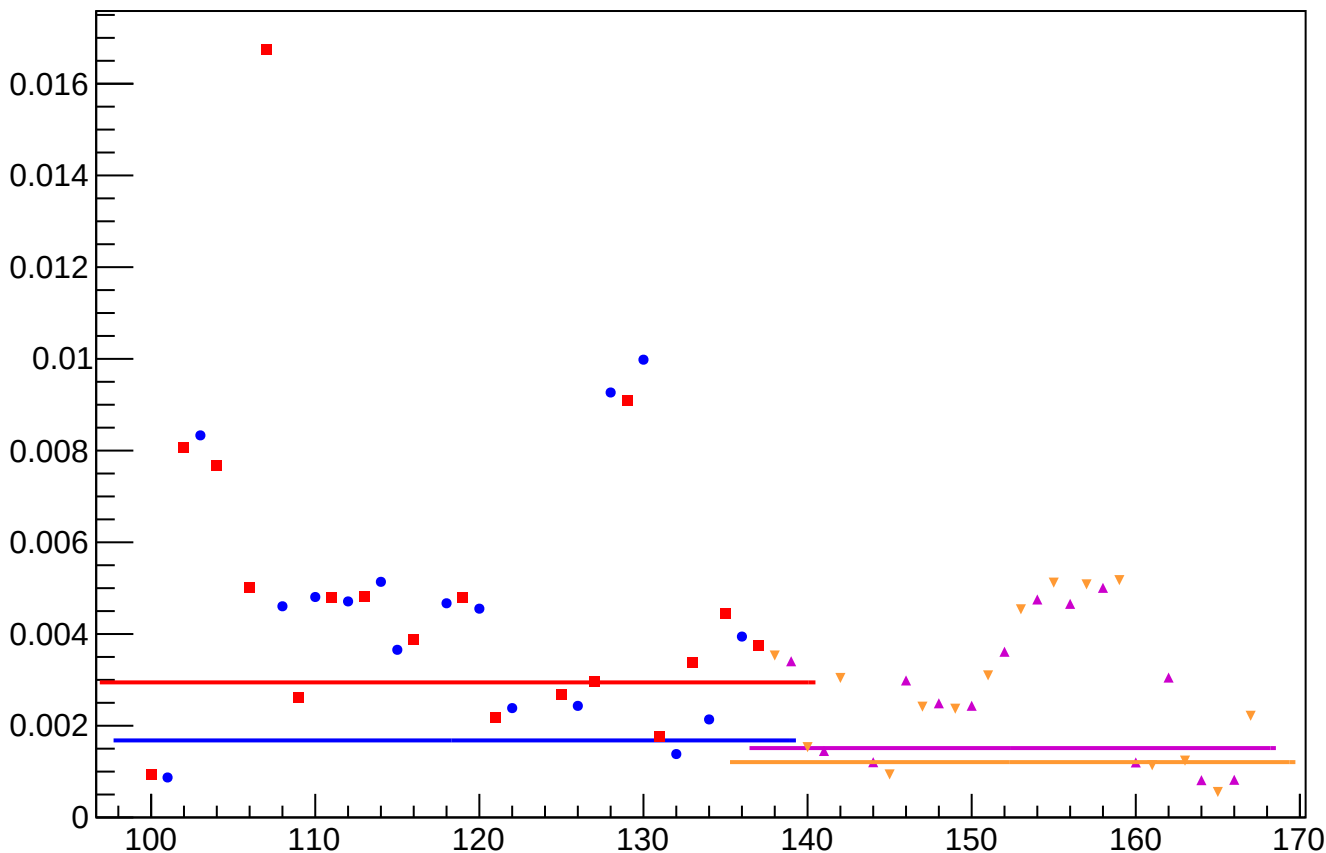
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 10.7/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.3/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 72.4/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.7/31

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: 0.001+/-0.000 χ^2/NDF : 8290420.6/14

Right Out: 0.003+/-0.000 χ^2/NDF : 3379848.5/17

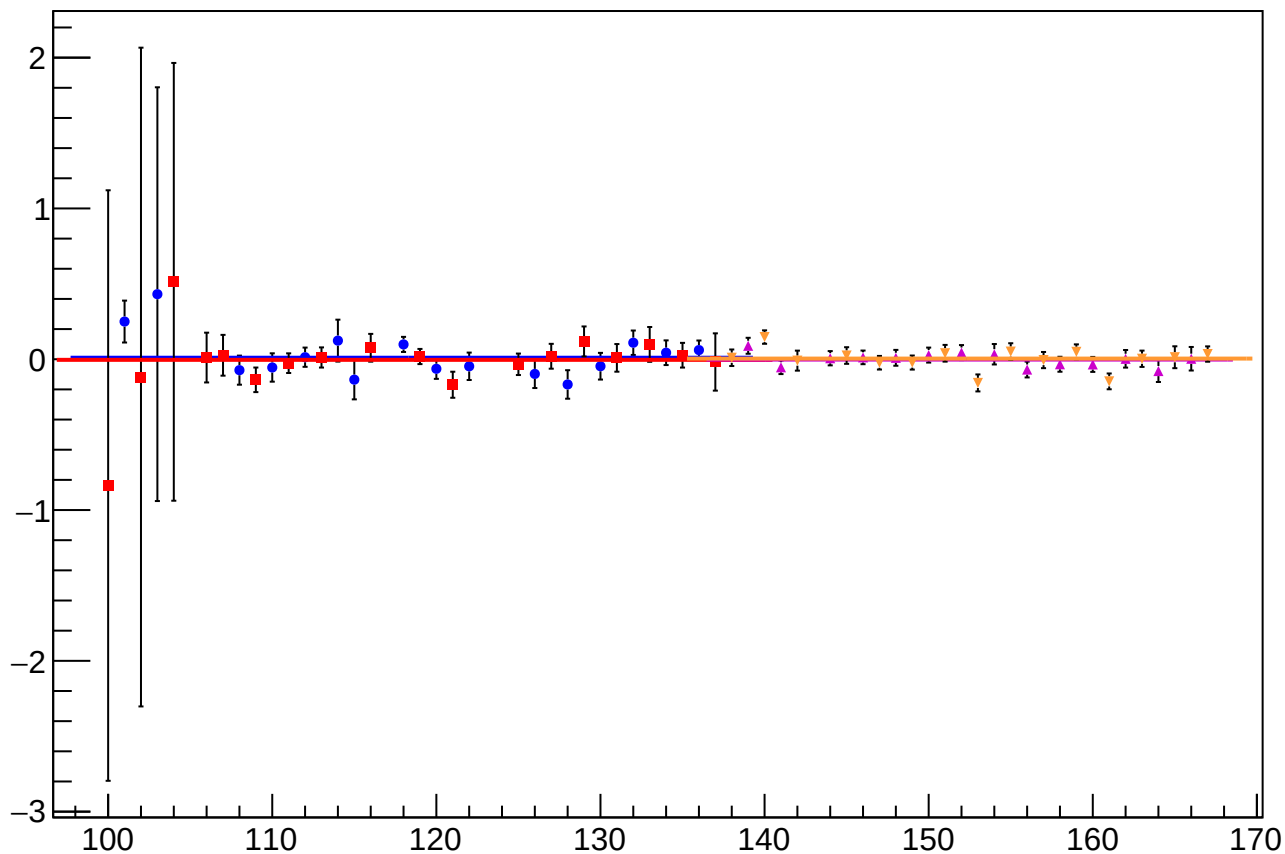
Left In: 0.002+/-0.000 χ^2/NDF : 6272529.7/13

+ sign 0.001+/-0.000 χ^2/NDF : 14748815.4/30

All: 0.001+/-0.000 χ^2/NDF : 27319211.4/62

- sign 0.002+/-0.000 χ^2/NDF : 11725144.4/31

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.004 $\pm$ 0.014 χ^2 /NDF:30.0/14

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

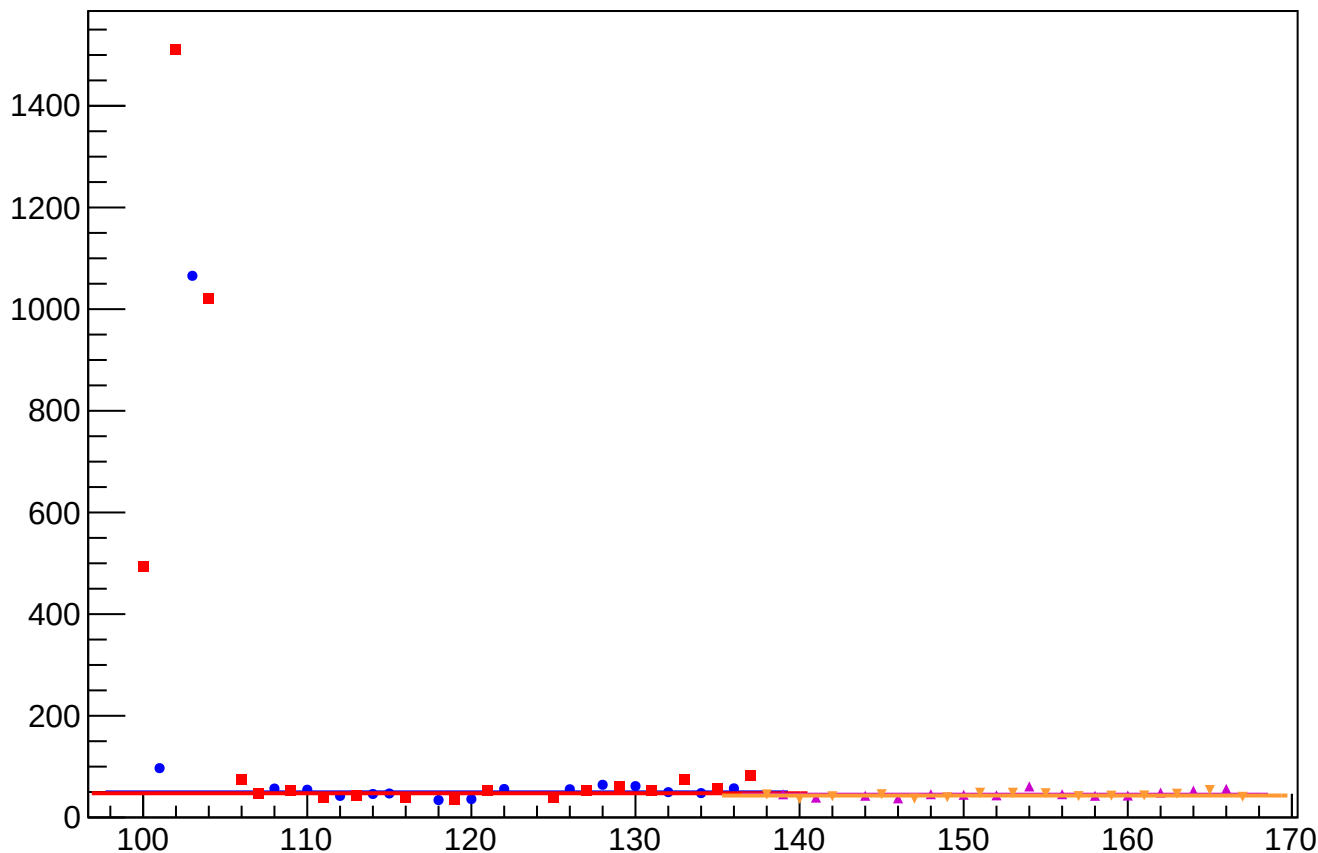
Left In: -0.002 $\pm$ 0.014 χ^2 /NDF:9.5/13

+ sign 0.006 $\pm$ 0.011 χ^2 /NDF: 48.5/30

All: 0.002 $\pm$ 0.008 χ^2 /NDF: 68.7/62

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.0/31

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: 43.121+/-0.010 χ^2/NDF : 212115.5/14

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

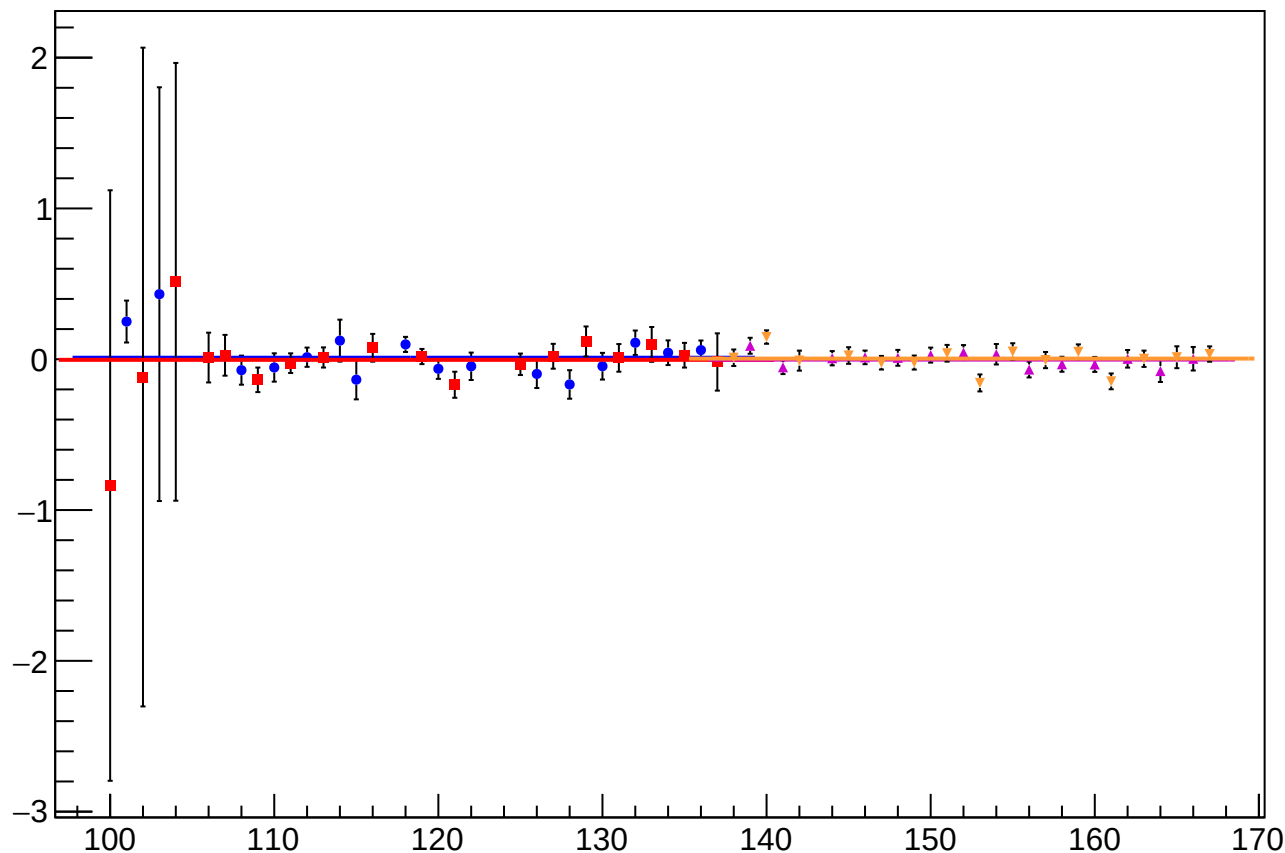
Left In: 44.769+/-0.010 χ^2/NDF : 288936.4/13

+ sign 44.977+/-0.008 χ^2/NDF : 2112293.4/30

All: 45.290+/-0.006 χ^2/NDF : 4846767.3/62

- sign 45.625+/-0.008 χ^2/NDF : 2731370.5/31

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: 0.004 $\pm$ 0.014 χ^2 /NDF:30.0/14

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

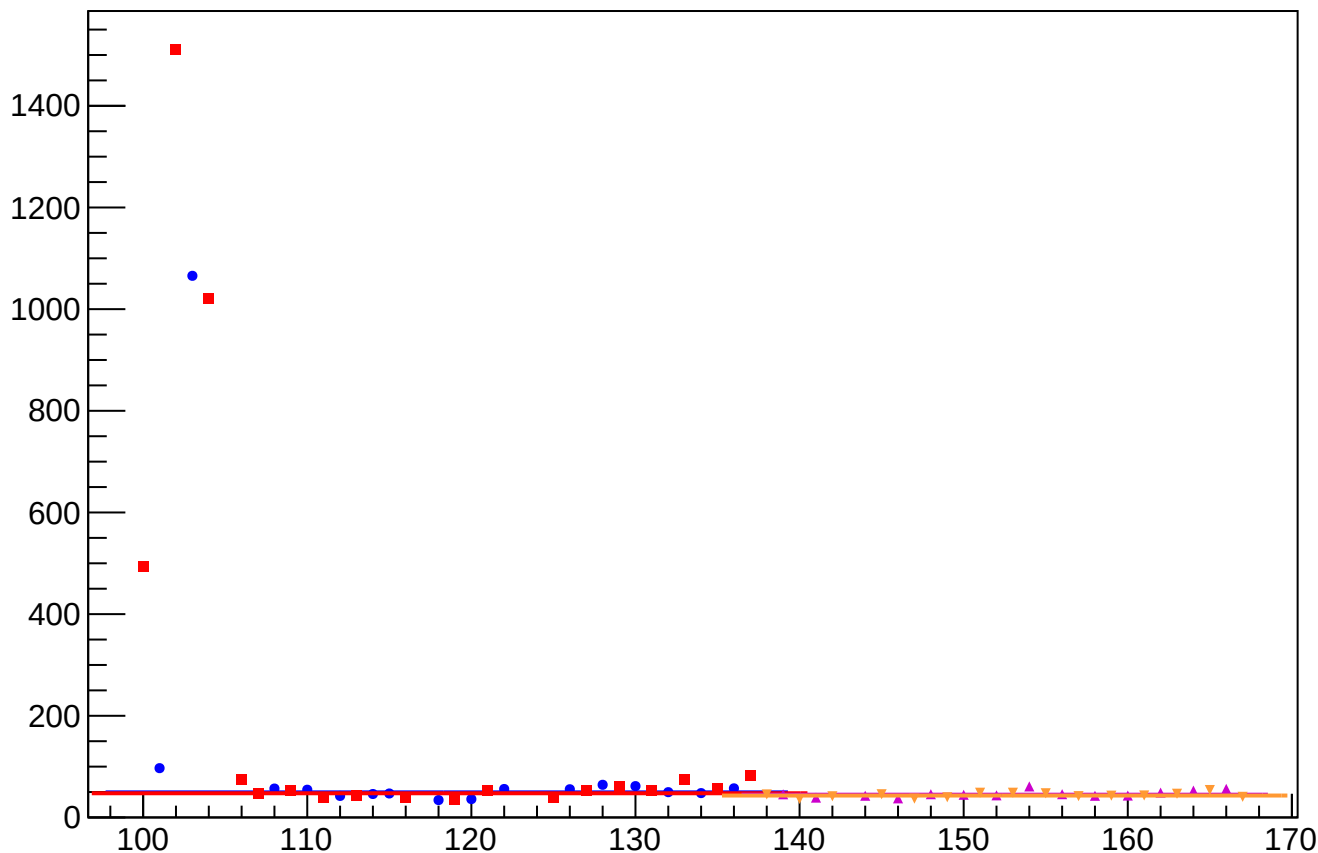
Left In: -0.002 $\pm$ 0.014 χ^2 /NDF:9.5/13

+ sign 0.006 $\pm$ 0.011 χ^2 /NDF: 48.5/30

All: 0.002 $\pm$ 0.008 χ^2 /NDF: 68.7/62

- sign -0.003 $\pm$ 0.012 χ^2 /NDF: 20.0/31

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: 43.121+/-0.010 χ^2/NDF : 212115.5/14

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

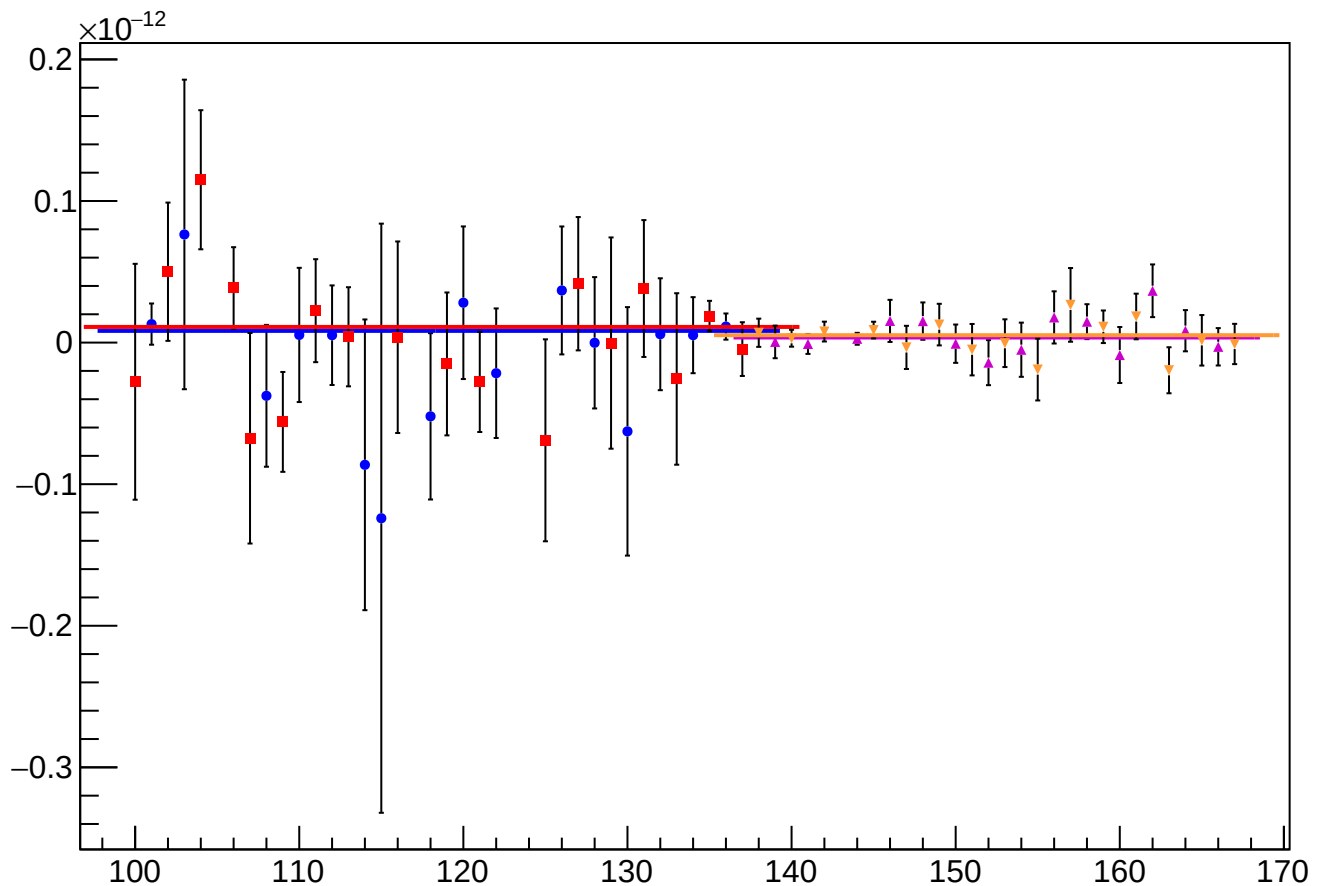
Left In: 44.769+/-0.010 χ^2/NDF : 288936.4/13

+ sign 44.977+/-0.008 χ^2/NDF : 2112293.4/30

All: 45.290+/-0.006 χ^2/NDF : 4846767.3/62

- sign 45.625+/-0.008 χ^2/NDF : 2731370.5/31

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: 7.1/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/17

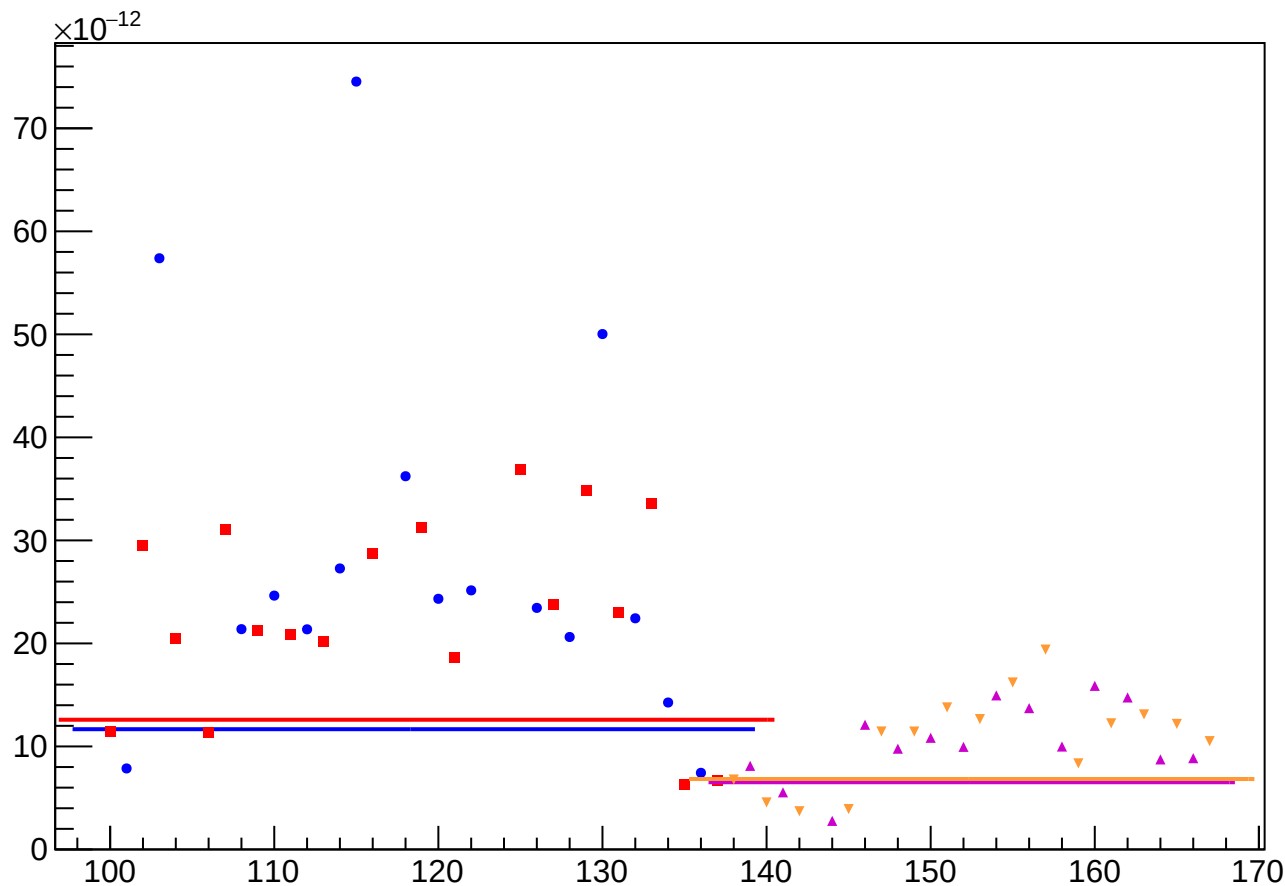
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.7/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/31

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 : 3794719.8/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 2923298.3/17

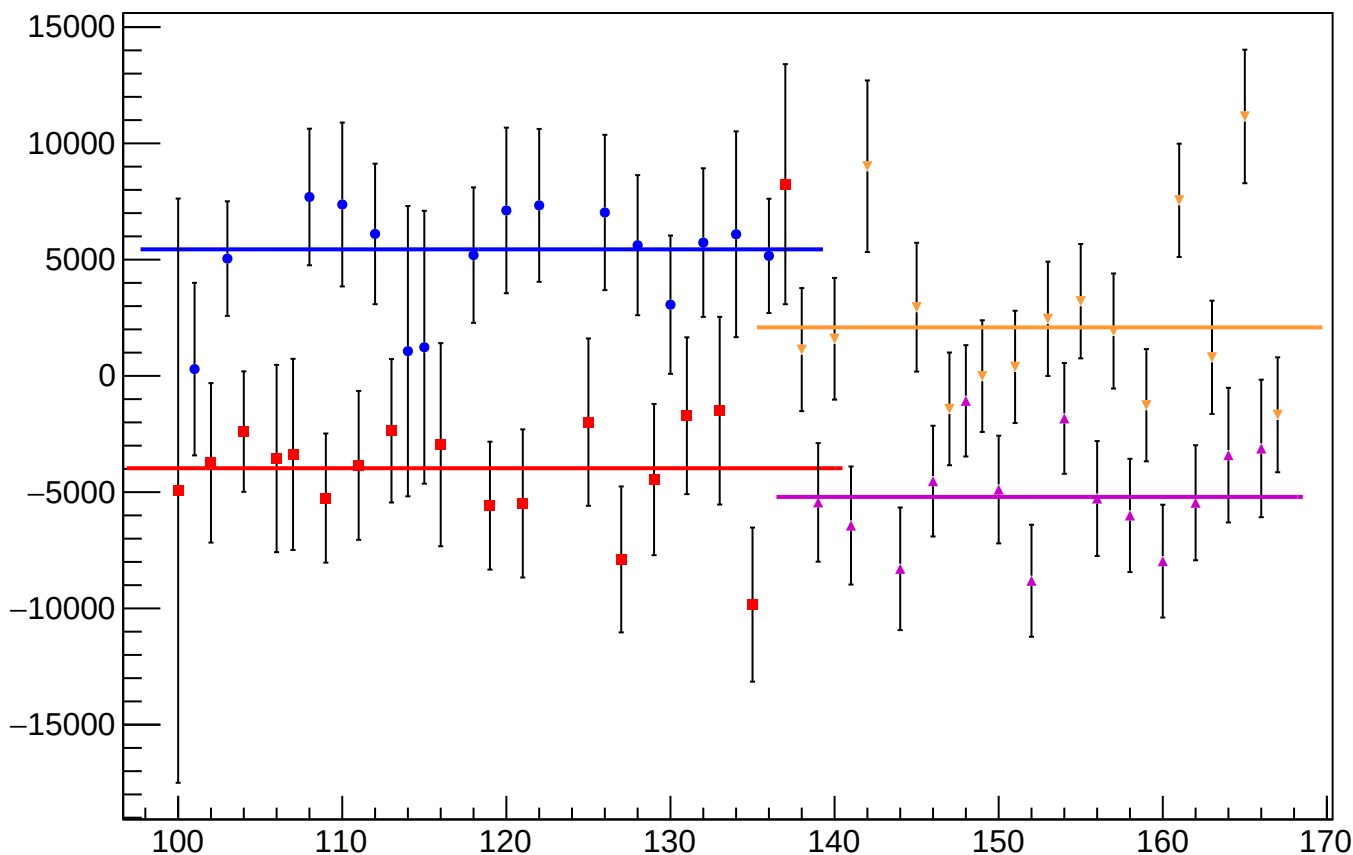
Left In: 0.000 ± 0.000 χ^2/NDF : 4164856.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 7596055.3/30

All: 0.000 ± 0.000 χ^2/NDF : 15926075.2/62

- sign 0.000 ± 0.000 χ^2/NDF : 8319667.1/31

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336 $\pm$ 812.534 χ^2 /NDF: 5.4/15

Left Out: 2085.532 $\pm$ 660.022 χ^2 /NDF:26.9/14

Right Out: -3971.728 $\pm$ 809.023 χ^2 /NDF: 13.0/17

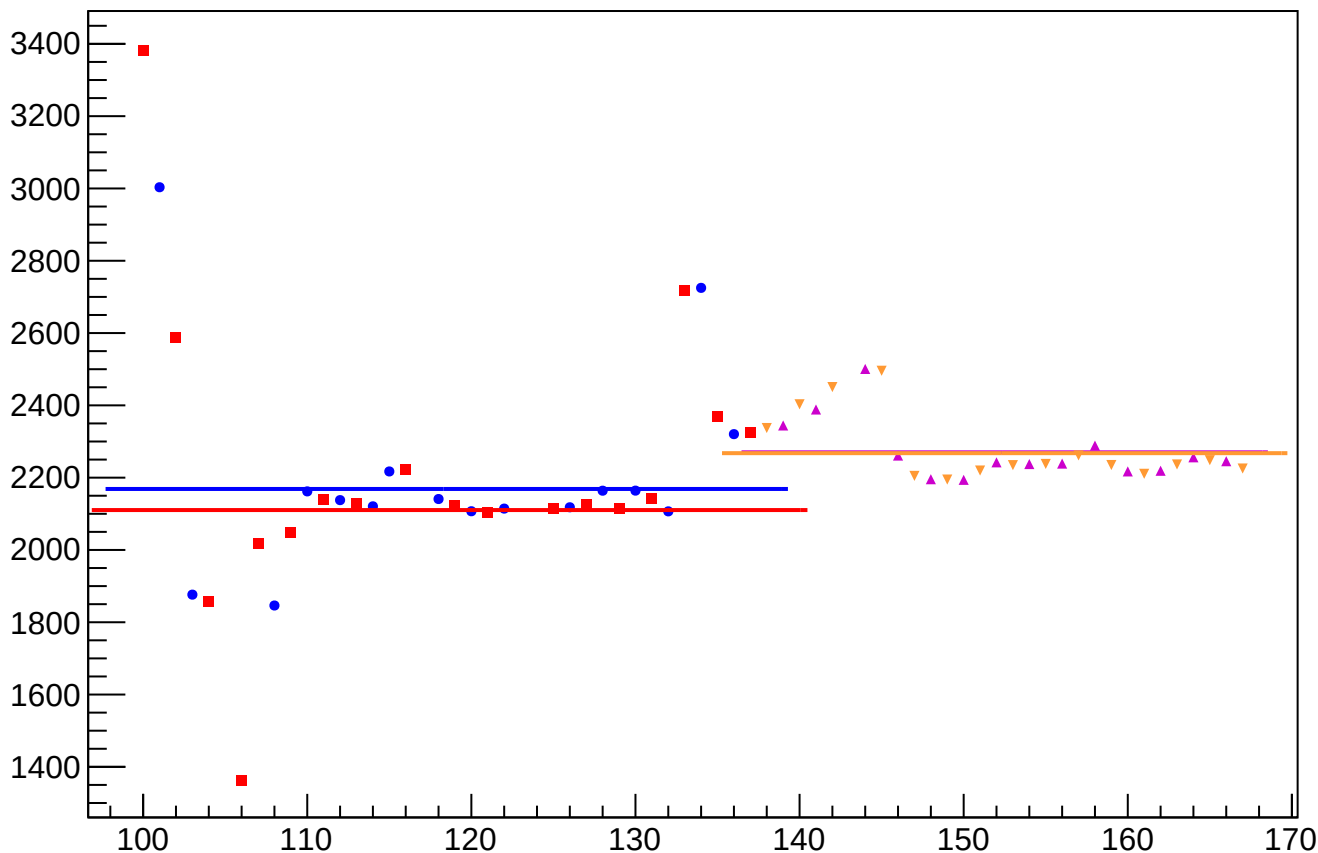
Left In: -5205.545 $\pm$ 668.496 χ^2 /NDF:11.2/13

+ sign 3419.963 $\pm$ 512.302 χ^2 /NDF: 42.6/30

All: -618.541 $\pm$ 363.318 χ^2 /NDF: 193.2/62

- sign -4704.933 $\pm$ 515.331 χ^2 /NDF: 25.6/31

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: 2267.736 $\pm$ 0.467 χ^2 /NDF: 32314.8/14

Right Out: 2110.365 $\pm$ 0.563 χ^2 /NDF: 267413.4/17

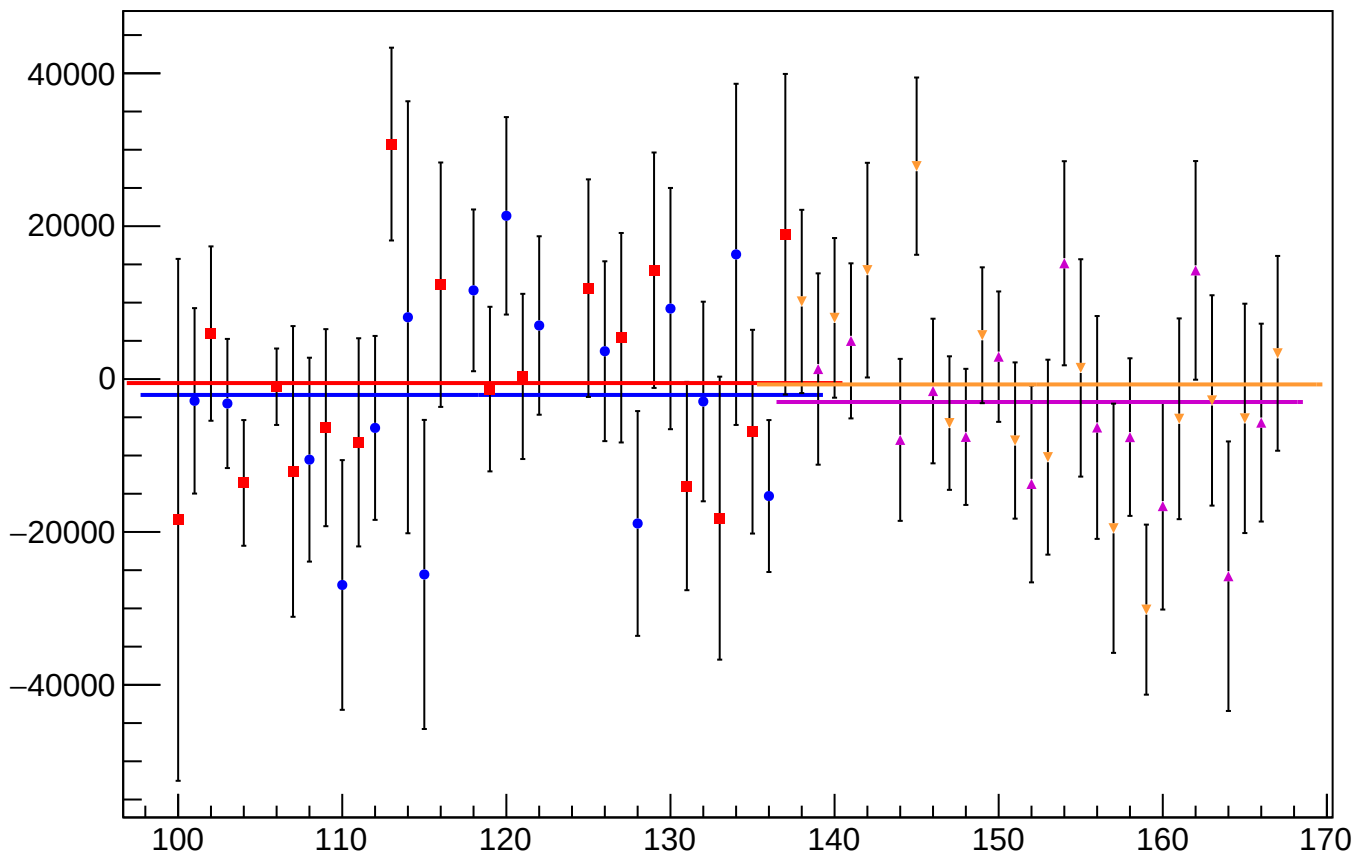
Left In: 2270.113 $\pm$ 0.473 χ^2 /NDF: 28537.0/13

+ sign 2228.372 $\pm$ 0.362 χ^2 /NDF: 245869.4/30

All: 2216.208 $\pm$ 0.256 χ^2 /NDF: 591297.8/62

- sign 2204.059 $\pm$ 0.362 χ^2 /NDF: 343174.6/31

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: -700.123+/-3034.234 χ^2/NDF : 19.3/14

Right Out: -521.454+/-2715.587 χ^2/NDF : 15.7/17

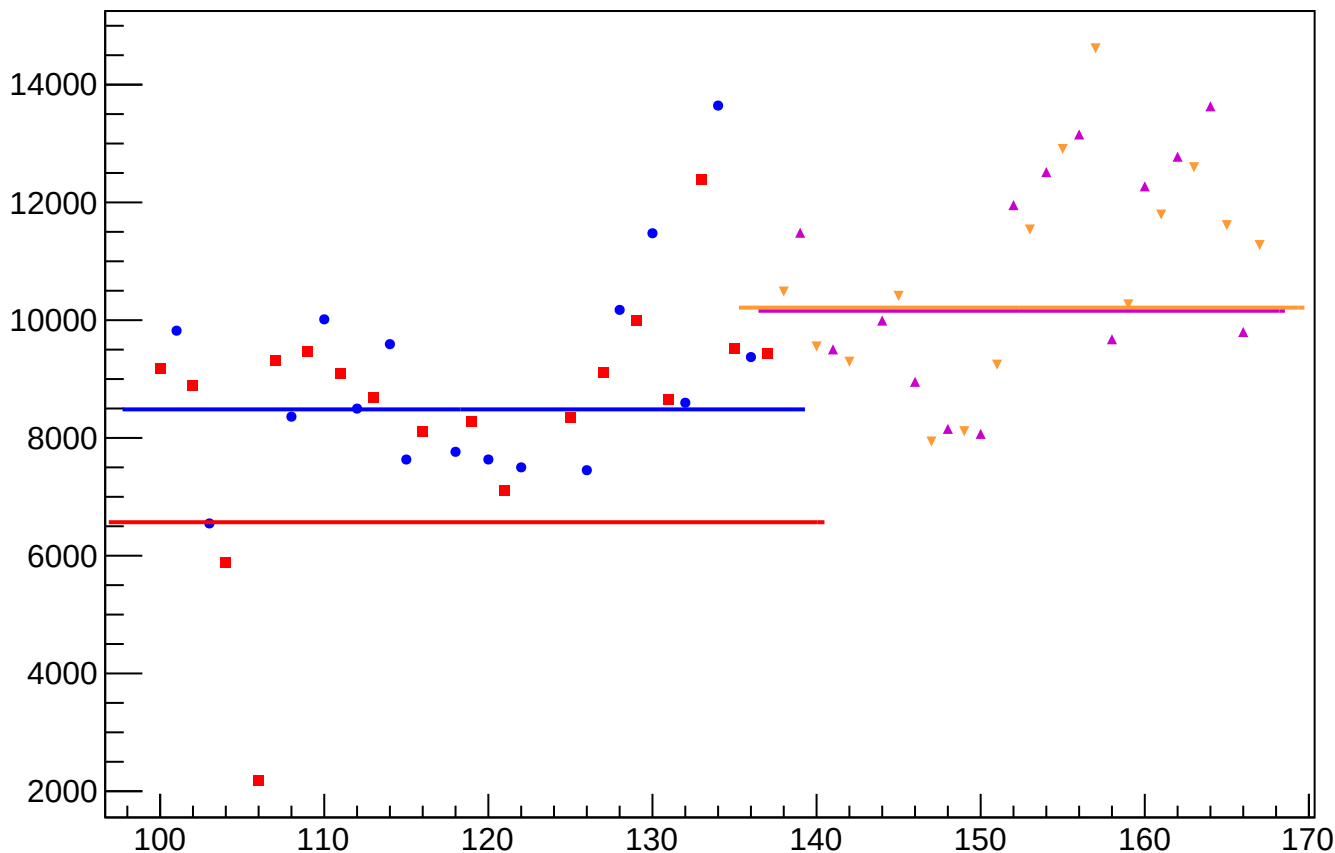
Left In: -2999.418+/-3045.100 χ^2/NDF : 8.7/13

+ sign -1348.370+/-2205.725 χ^2/NDF : 33.9/30

All: -1495.195+/-1492.390 χ^2/NDF : 58.6/62

- sign -1619.158+/-2026.733 χ^2/NDF : 24.7/31

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF : 422706.1/15

Left Out: 10213.160+/-2.146 χ^2/NDF : 643197.4/14

Right Out: 6568.711+/-1.920 χ^2/NDF : 2568887.0/17

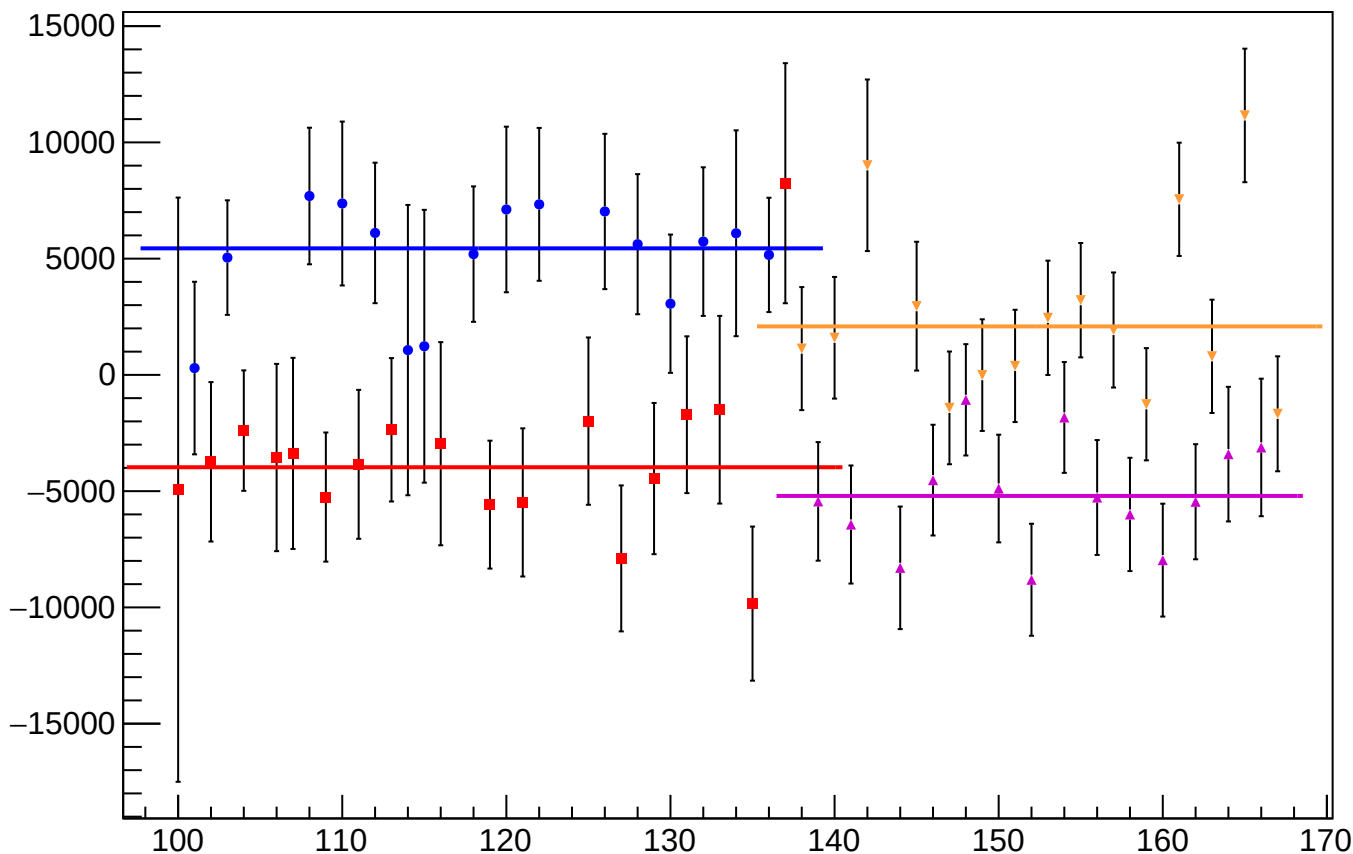
Left In: 10159.965+/-2.153 χ^2/NDF : 670165.1/13

+ sign 9398.248+/-1.560 χ^2/NDF : 1371836.8/30

All: 8726.628+/-1.055 χ^2/NDF : 6502348.4/62

- sign 8159.587+/-1.433 χ^2/NDF : 4788529.6/31

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: 2085.408 $\pm$ 660.022 χ^2 /NDF:26.9/14

Right Out: -3971.470 $\pm$ 809.023 χ^2 /NDF: 13.0/17

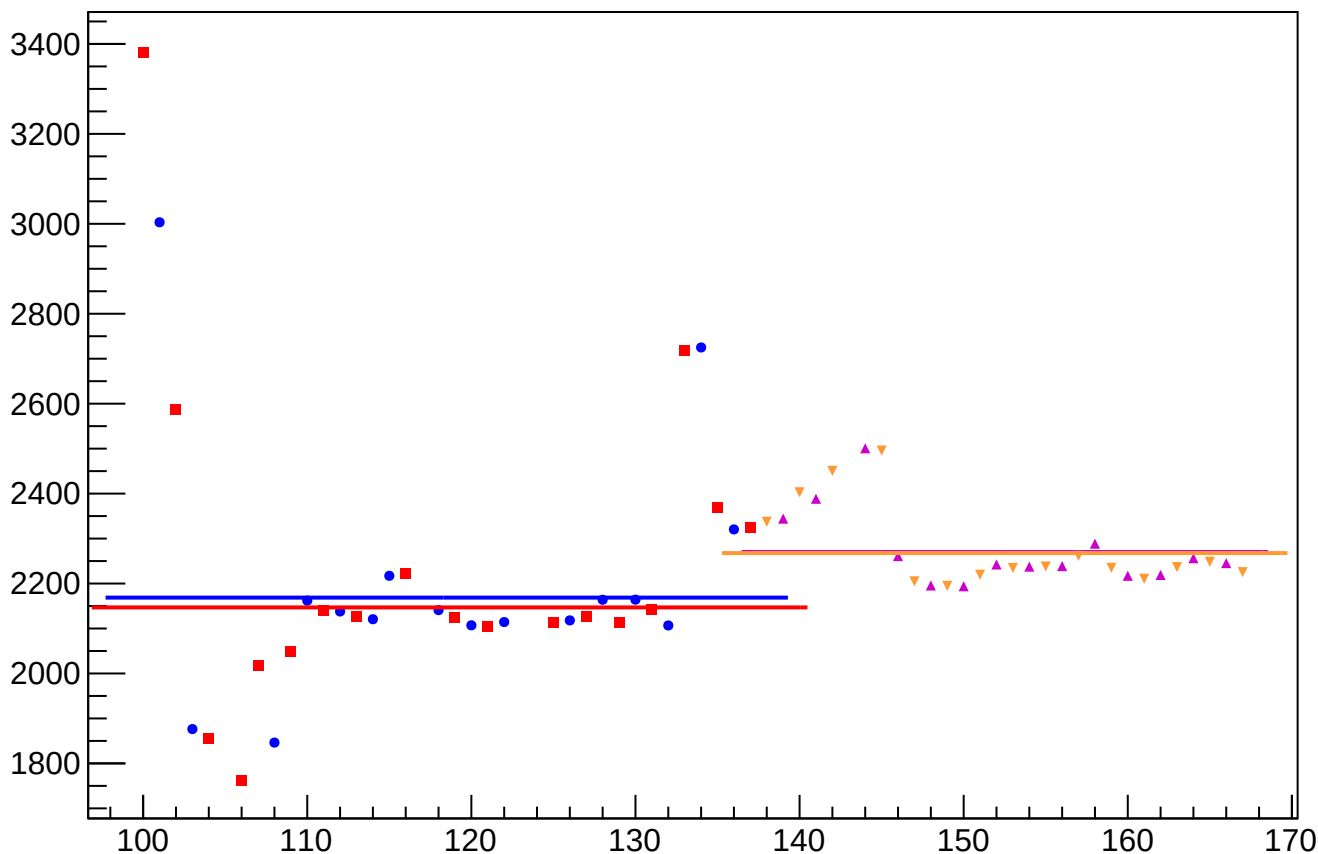
Left In: -5205.693 $\pm$ 668.496 χ^2 /NDF:11.2/13

+ sign 3419.944 $\pm$ 512.302 χ^2 /NDF: 42.6/30

All: -618.542 $\pm$ 363.318 χ^2 /NDF: 193.2/62

- sign -4704.917 $\pm$ 515.331 χ^2 /NDF: 25.6/31

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: 2267.736 $\pm$ 0.467 χ^2/NDF : 32314.8/14

Right Out: 2146.888 $\pm$ 0.569 χ^2/NDF : 157750.7/17

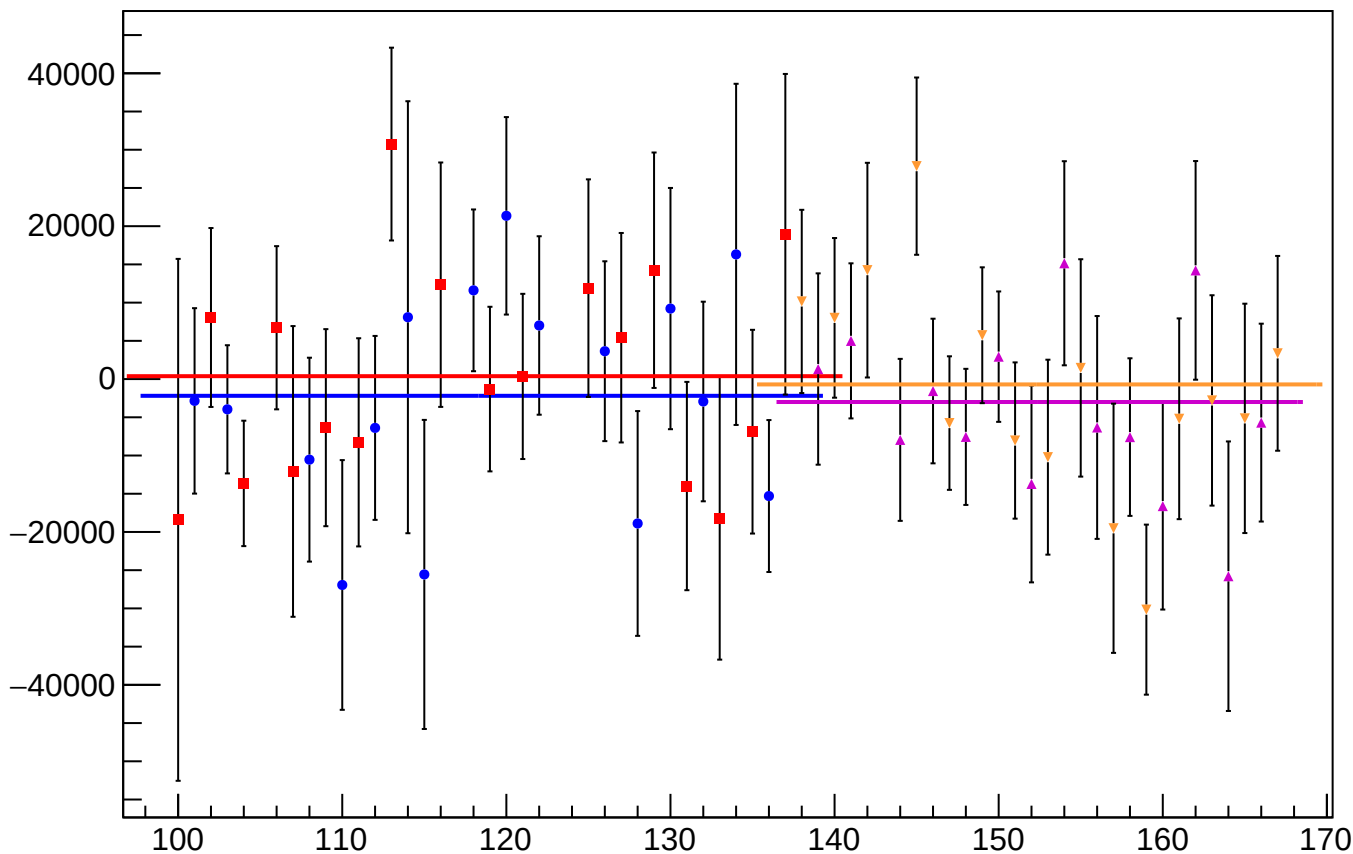
Left In: 2270.113 $\pm$ 0.473 χ^2/NDF : 28537.0/13

+ sign 2228.372 $\pm$ 0.362 χ^2/NDF : 245869.8/30

All: 2224.112 $\pm$ 0.257 χ^2/NDF : 460171.3/62

- sign 2219.819 $\pm$ 0.364 χ^2/NDF : 214023.8/31

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -2189.256+/-3208.524 χ^2/NDF : 14.5/15

Left Out: -700.150+/-3034.231 χ^2/NDF : 19.3/14

Right Out: 379.236+/-3099.953 χ^2/NDF : 16.3/17

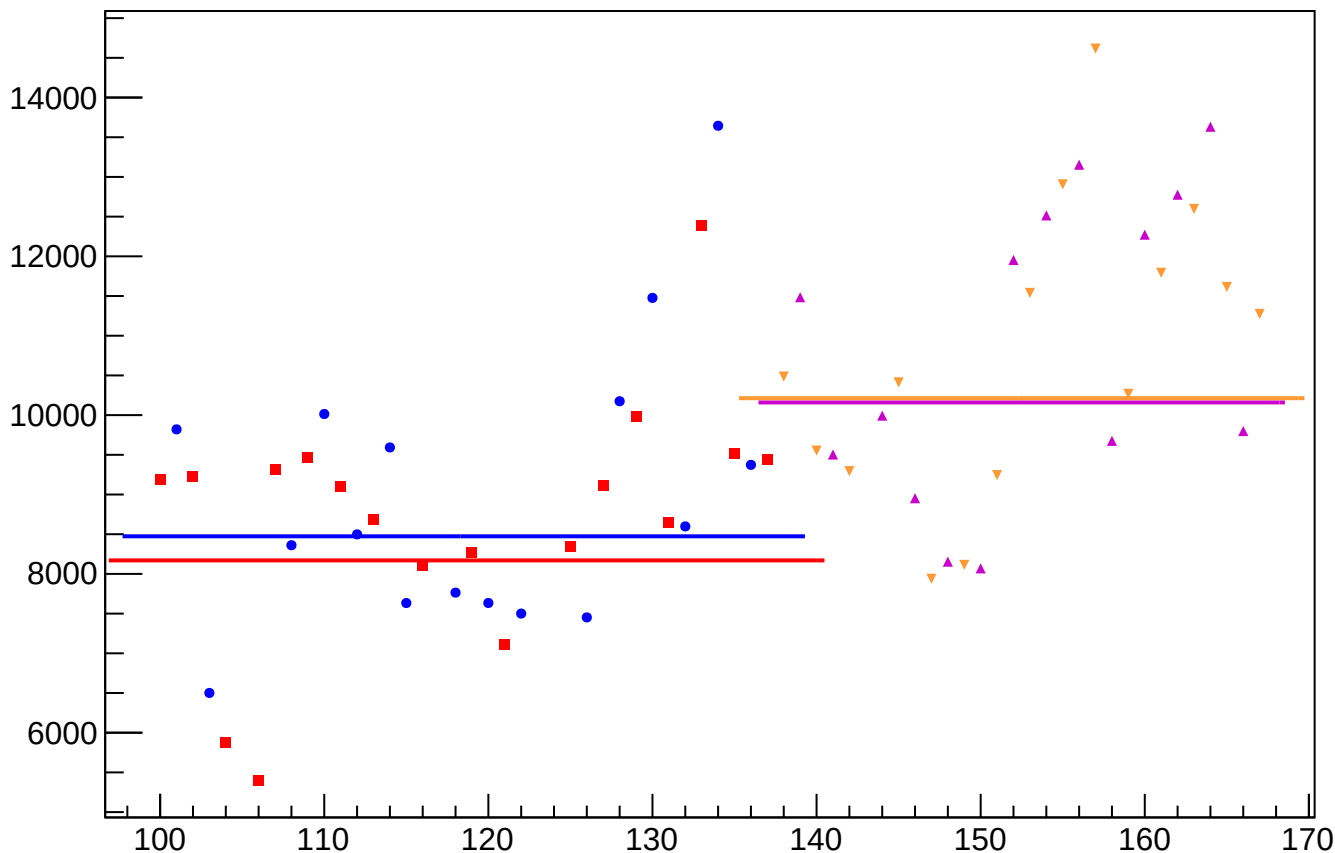
Left In: -2999.637+/-3045.098 χ^2/NDF : 8.7/13

+ sign -1403.161+/-2204.568 χ^2/NDF : 33.9/30

All: -1371.298+/-1547.346 χ^2/NDF : 59.5/62

- sign -1340.360+/-2172.344 χ^2/NDF : 25.6/31

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 8473.743+/-2.269 χ^2/NDF : 429547.3/15

Left Out: 10213.151+/-2.146 χ^2/NDF : 643199.5/14

Right Out: 8170.027+/-2.192 χ^2/NDF : 539925.8/17

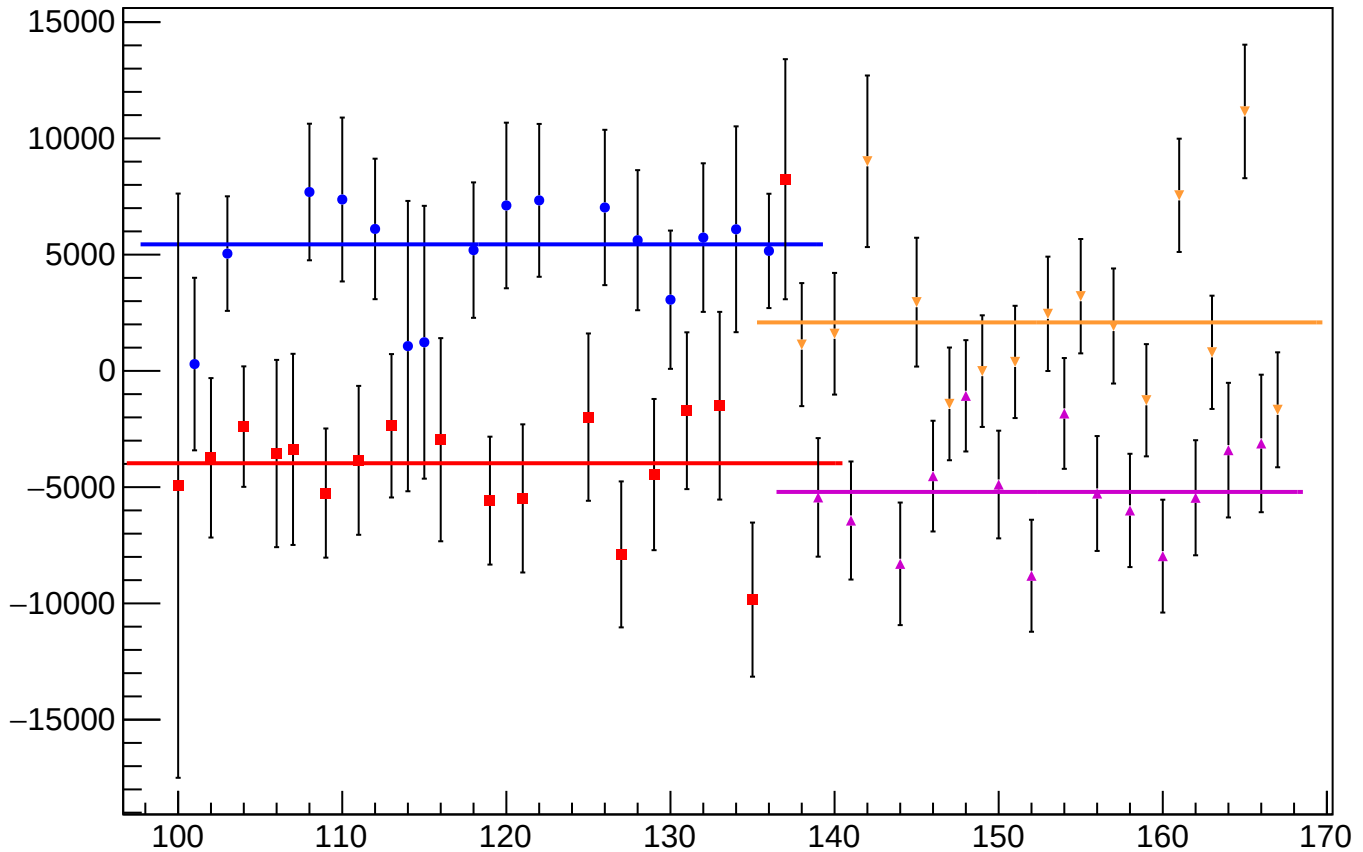
Left In: 10159.961+/-2.153 χ^2/NDF : 670170.1/13

+ sign 9391.972+/-1.559 χ^2/NDF : 1383039.7/30

All: 9285.824+/-1.094 χ^2/NDF : 3021696.6/62

- sign 9182.756+/-1.536 χ^2/NDF : 1629518.0/31

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478 $\pm$ 812.534 χ^2 /NDF: 5.4/15

Left Out: 2085.408 $\pm$ 660.022 χ^2 /NDF:26.9/14

Right Out: -3971.470 $\pm$ 809.023 χ^2 /NDF: 13.0/17

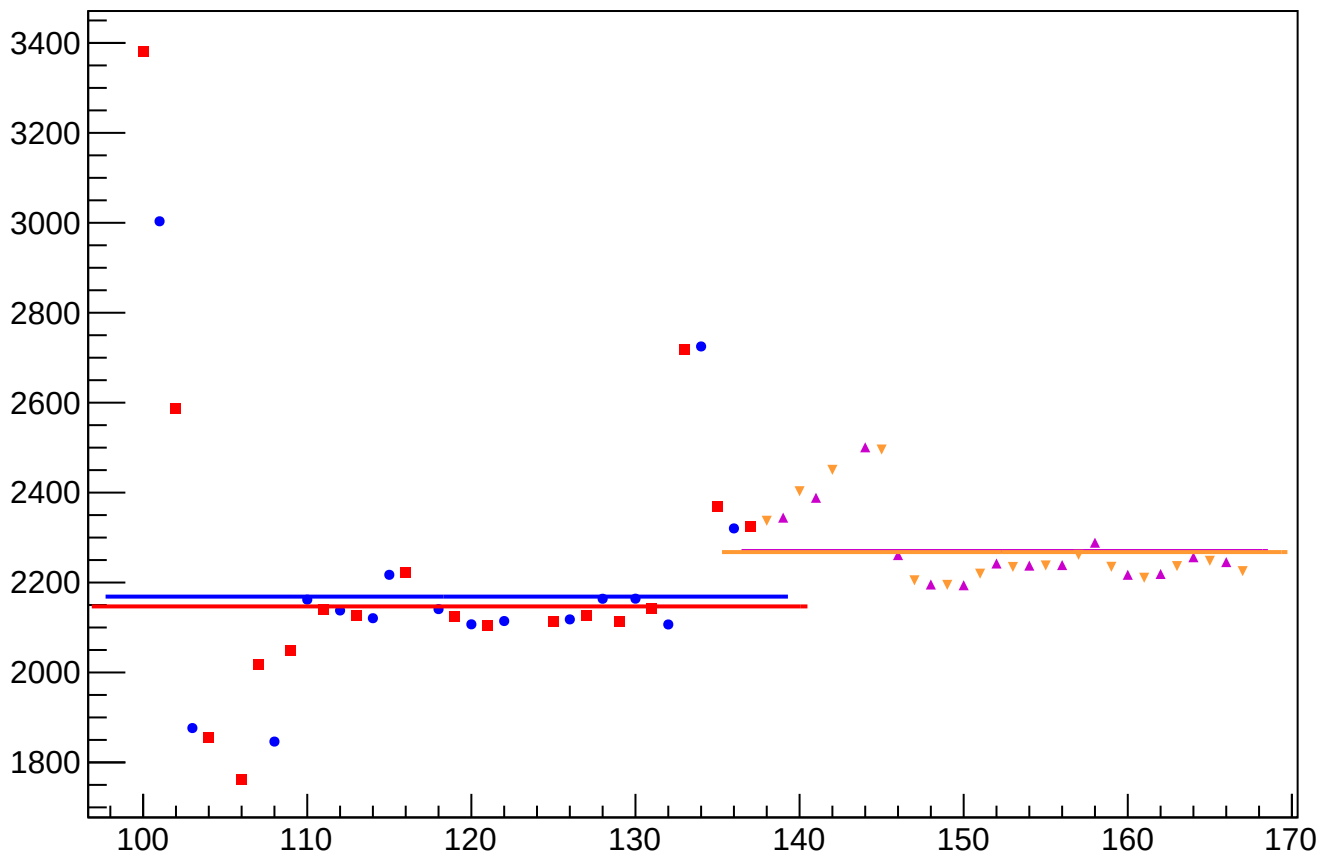
Left In: -5205.693 $\pm$ 668.496 χ^2 /NDF:11.2/13

+ sign 3419.944 $\pm$ 512.302 χ^2 /NDF: 42.6/30

All: -618.542 $\pm$ 363.318 χ^2 /NDF: 193.2/62

- sign -4704.917 $\pm$ 515.331 χ^2 /NDF: 25.6/31

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: 2267.736 $\pm$ 0.467 χ^2 /NDF: 32314.8/14

Right Out: 2146.888 $\pm$ 0.569 χ^2 /NDF: 157750.7/17

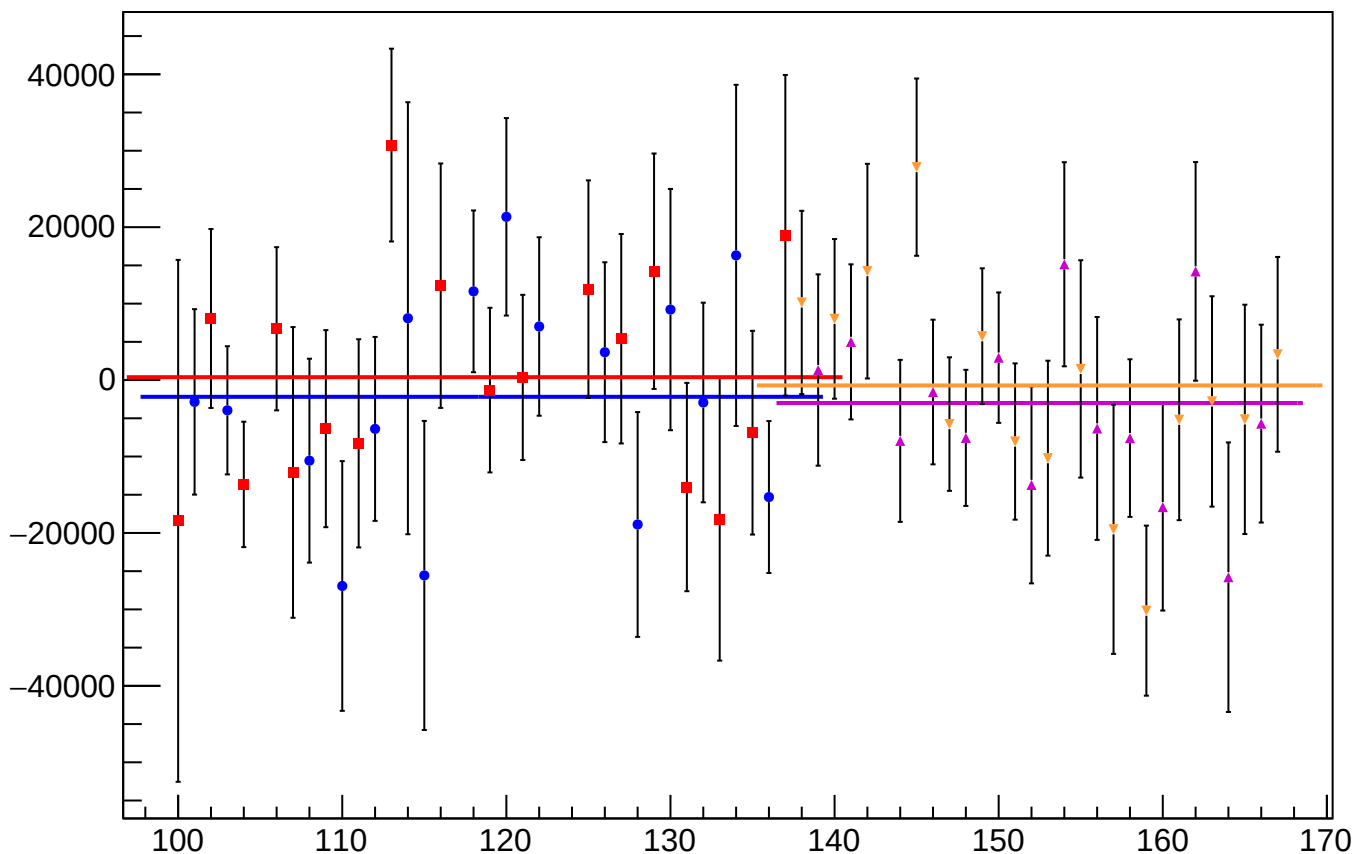
Left In: 2270.113 $\pm$ 0.473 χ^2 /NDF: 28537.0/13

+ sign 2228.372 $\pm$ 0.362 χ^2 /NDF: 245869.8/30

All: 2224.112 $\pm$ 0.257 χ^2 /NDF: 460171.3/62

- sign 2219.819 $\pm$ 0.364 χ^2 /NDF: 214023.8/31

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: -700.150+/-3034.231 χ^2/NDF : 19.3/14

Right Out: 379.236+/-3099.953 χ^2/NDF : 16.3/17

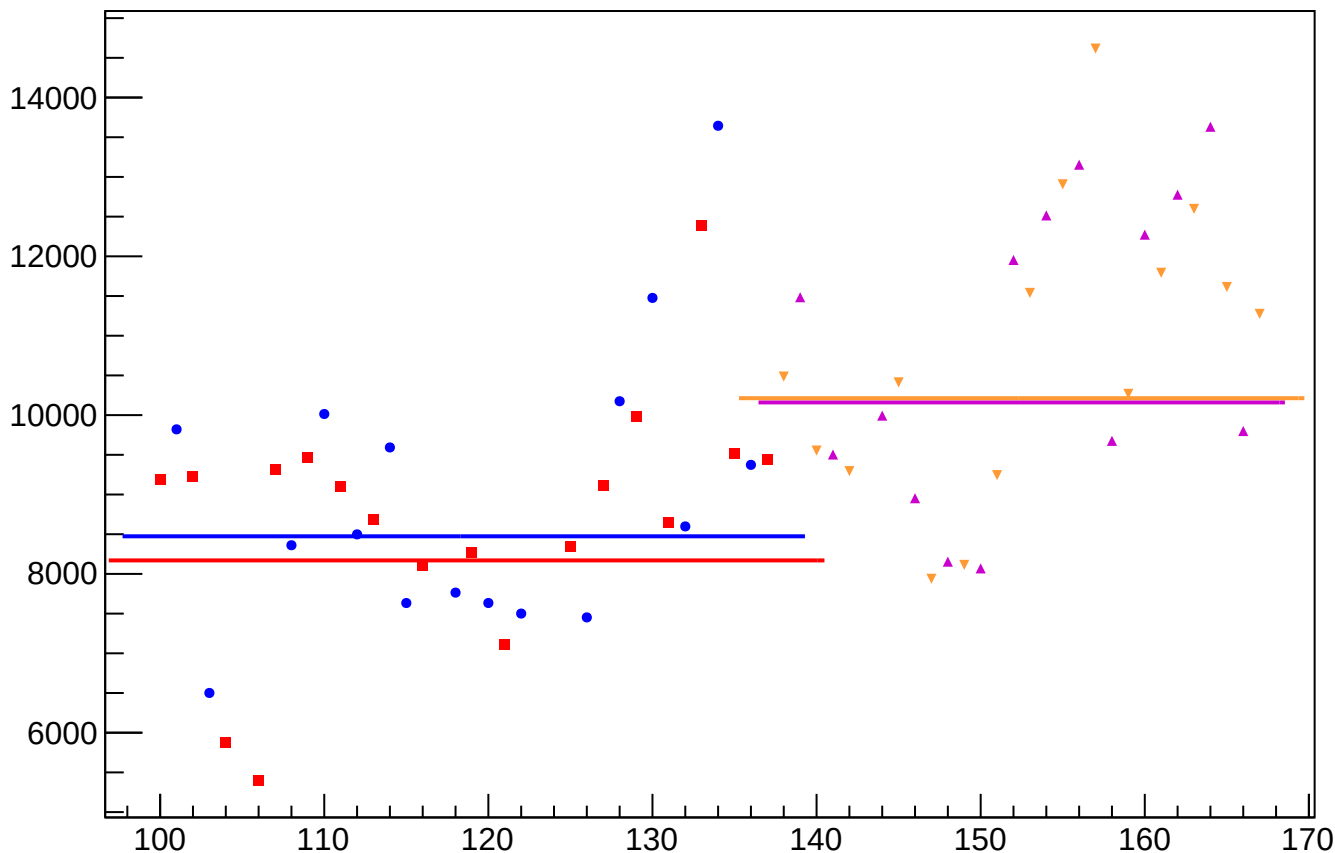
Left In: -2999.637+/-3045.098 χ^2/NDF : 8.7/13

+ sign -1403.161+/-2204.568 χ^2/NDF : 33.9/30

All: -1371.298+/-1547.346 χ^2/NDF : 59.5/62

- sign -1340.360+/-2172.344 χ^2/NDF : 25.6/31

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: 10213.151 $\pm$ 2.146 χ^2 /NDF: 643199.5/14

Right Out: 8170.027 $\pm$ 2.192 χ^2 /NDF: 539925.8/17

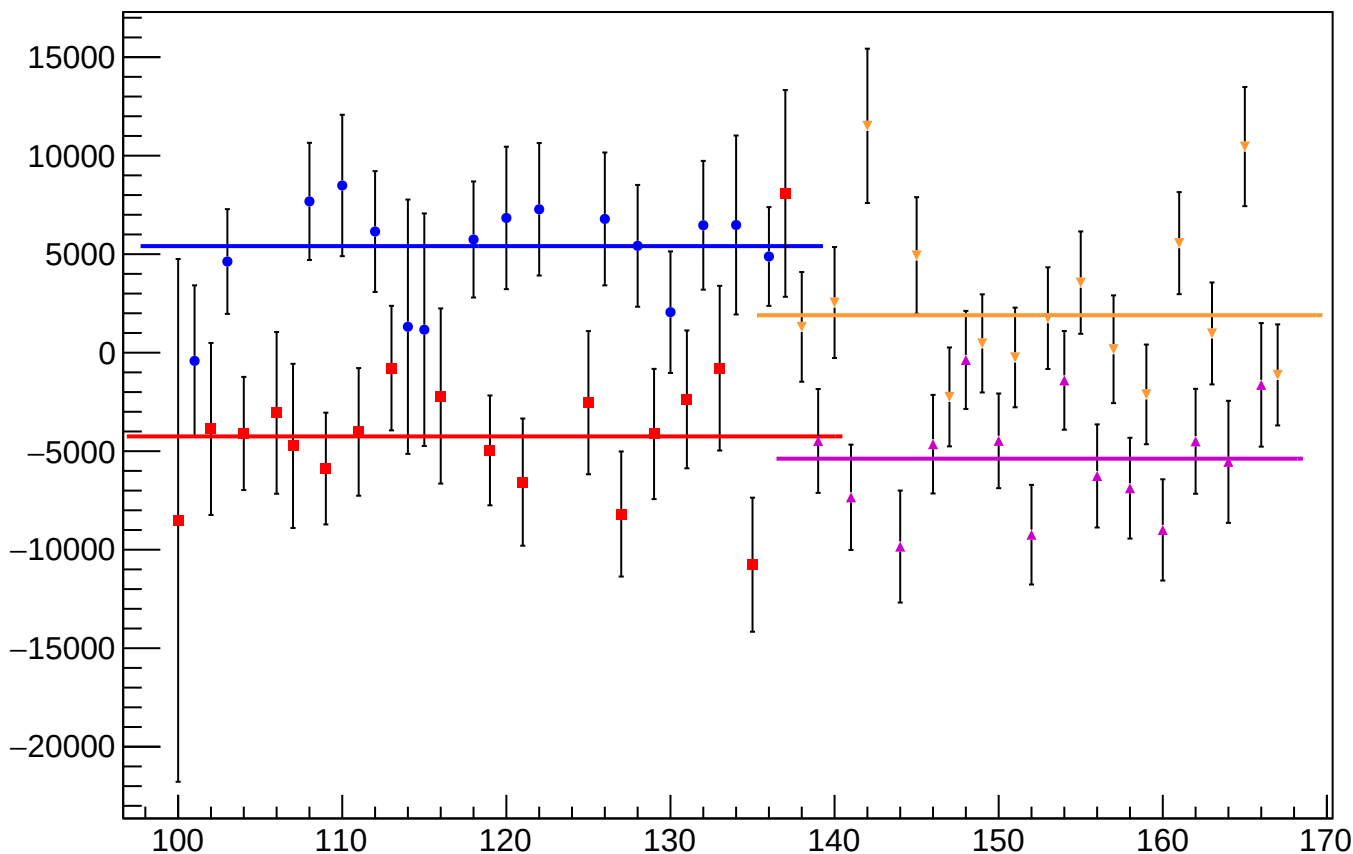
Left In: 10159.961 $\pm$ 2.153 χ^2 /NDF: 670170.1/13

+ sign 9391.972 $\pm$ 1.559 χ^2 /NDF: 1383039.7/30

All: 9285.824 $\pm$ 1.094 χ^2 /NDF: 3021696.6/62

- sign 9182.756 $\pm$ 1.536 χ^2 /NDF: 1629518.0/31

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867 ± 833.689 χ^2/NDF : 6.7/15

Left Out: 1901.409 ± 696.949 χ^2/NDF : 25.8/14

Right Out: -4249.899 ± 839.336 χ^2/NDF : 14.5/17

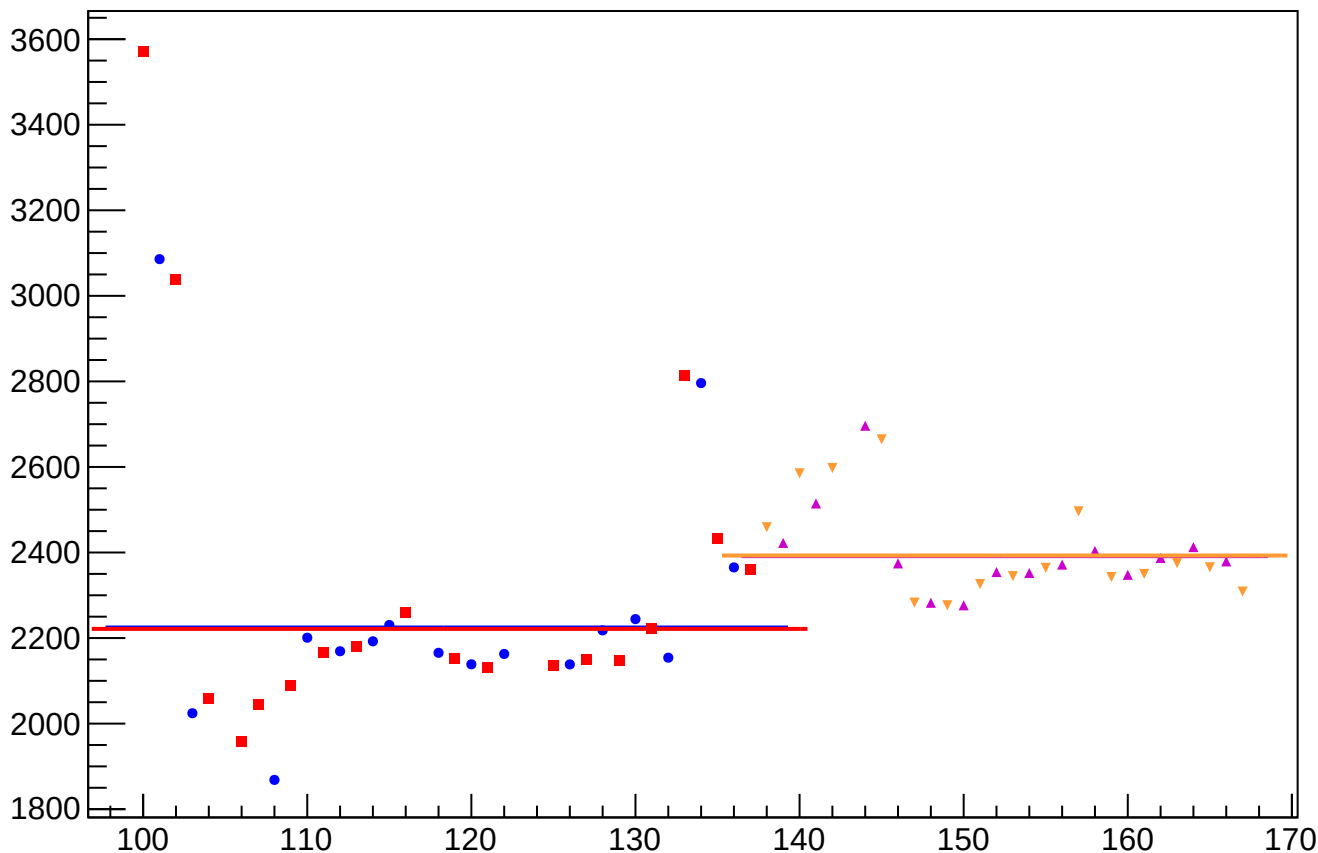
Left In: -5379.377 ± 704.511 χ^2/NDF : 16.2/13

+ sign 3343.869 ± 534.714 χ^2/NDF : 42.9/30

All: -746.658 ± 379.821 χ^2/NDF : 192.8/62

- sign -4912.529 ± 539.616 χ^2/NDF : 31.8/31

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614 $\pm$ 0.590 χ^2 /NDF: 184679.8/15

Left Out: 2392.960 $\pm$ 0.493 χ^2 /NDF: 49902.5/14

Right Out: 2221.425 $\pm$ 0.593 χ^2 /NDF: 169944.3/17

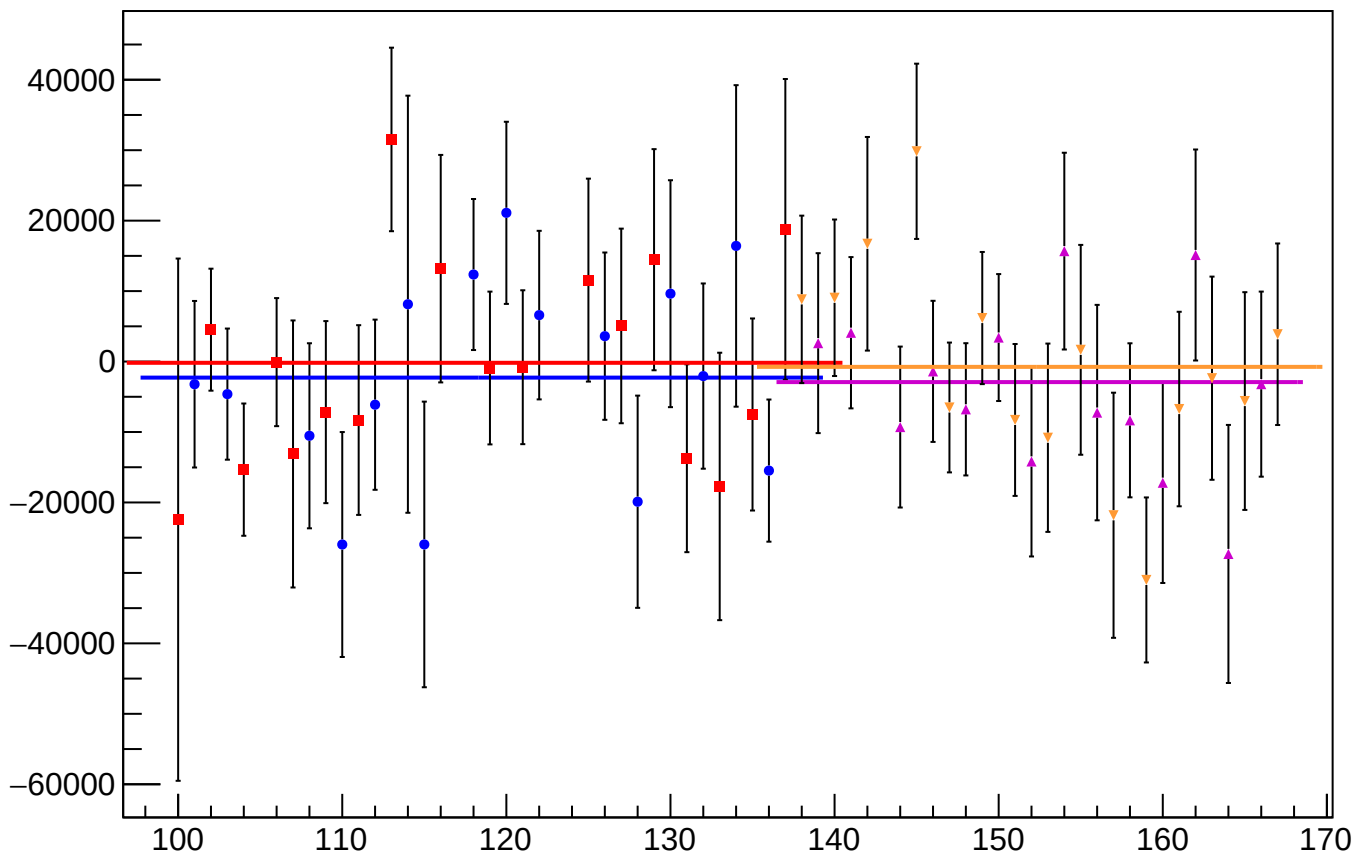
Left In: 2391.442 $\pm$ 0.498 χ^2 /NDF: 37817.5/13

+ sign 2323.707 $\pm$ 0.378 χ^2 /NDF: 282585.6/30

All: 2322.424 $\pm$ 0.269 χ^2 /NDF: 538549.0/62

- sign 2321.118 $\pm$ 0.381 χ^2 /NDF: 255940.1/31

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -2278.440+/-3271.750 χ^2/NDF : 14.5/15

Left Out: -753.385+/-3182.616 χ^2/NDF : 19.4/14

Right Out: -177.024+/-3035.355 χ^2/NDF : 15.6/17

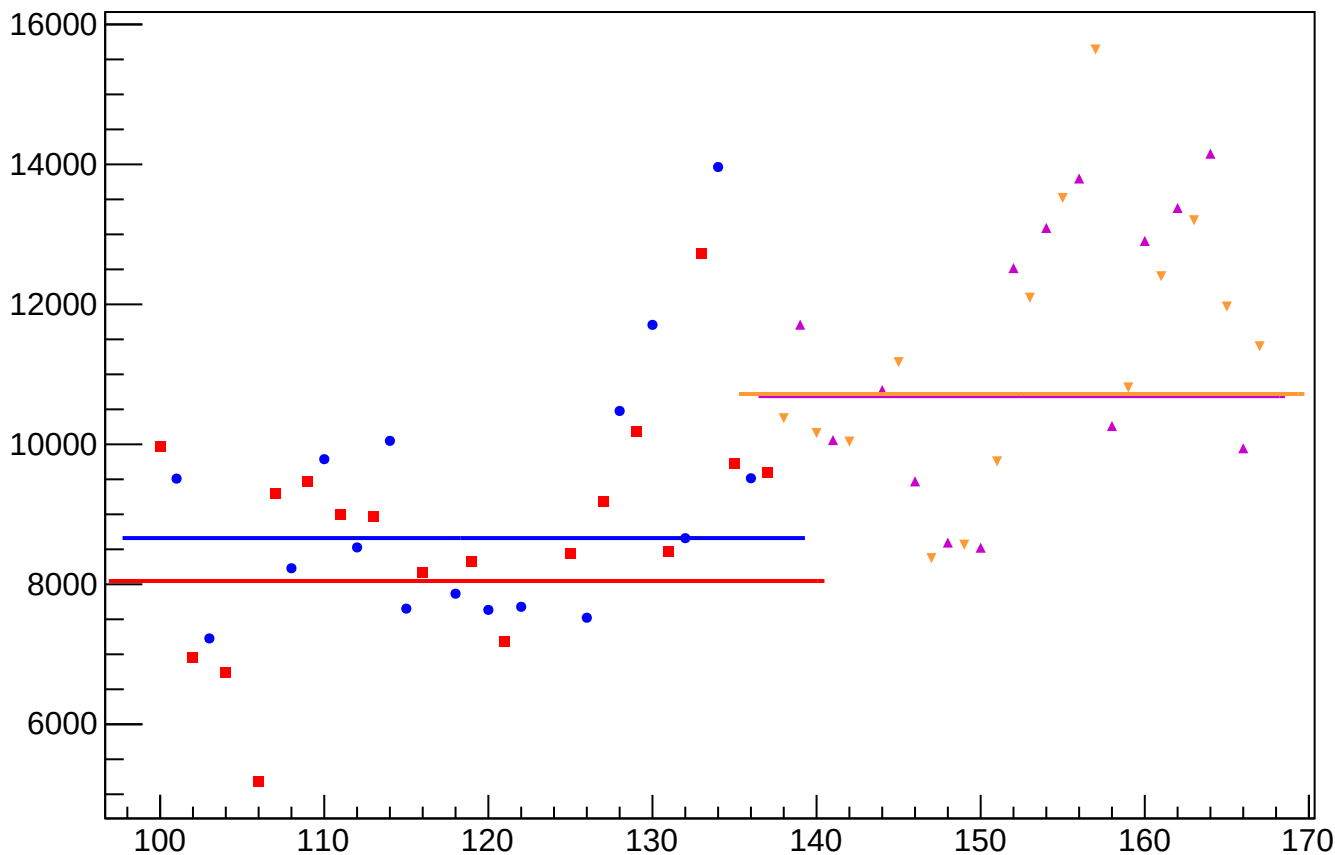
Left In: -2915.630+/-3201.471 χ^2/NDF : 8.6/13

+ sign -1494.856+/-2281.310 χ^2/NDF : 34.0/30

All: -1483.771+/-1584.608 χ^2/NDF : 58.7/62

- sign -1473.437+/-2202.706 χ^2/NDF : 24.7/31

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: 10719.237+/-2.250 χ^2/NDF : 624177.7/14

Right Out: 8047.460+/-2.146 χ^2/NDF : 558559.6/17

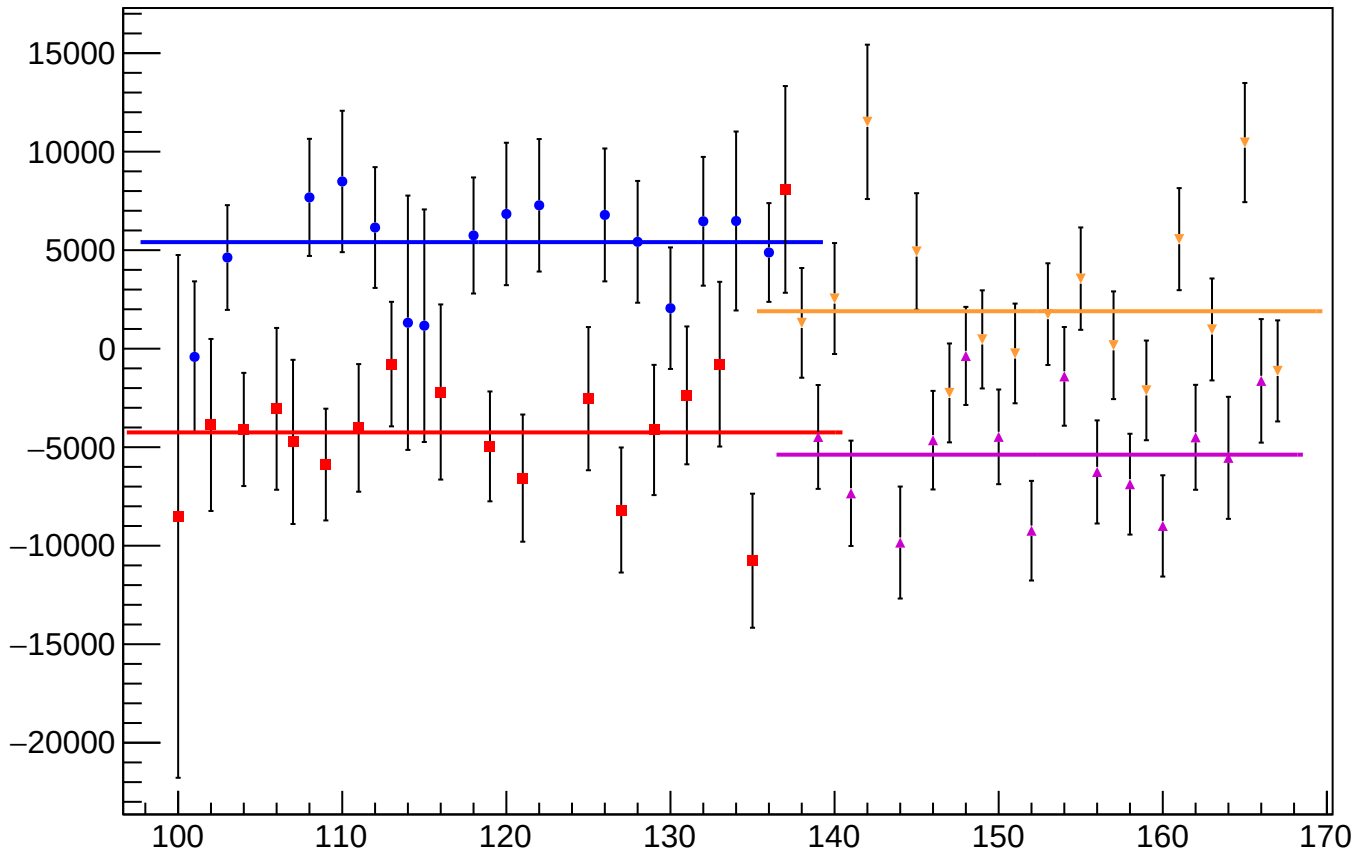
Left In: 10688.761+/-2.264 χ^2/NDF : 637155.4/13

+ sign 9718.407+/-1.613 χ^2/NDF : 1388932.8/30

All: 9500.738+/-1.120 χ^2/NDF : 3336733.2/62

- sign 9297.810+/-1.558 χ^2/NDF : 1912618.1/31

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.869 $\pm$ 833.688 χ^2 /NDF: 6.7/15

Left Out: 1901.390 $\pm$ 696.950 χ^2 /NDF: 25.8/14

Right Out: -4249.903 $\pm$ 839.335 χ^2 /NDF: 14.5/17

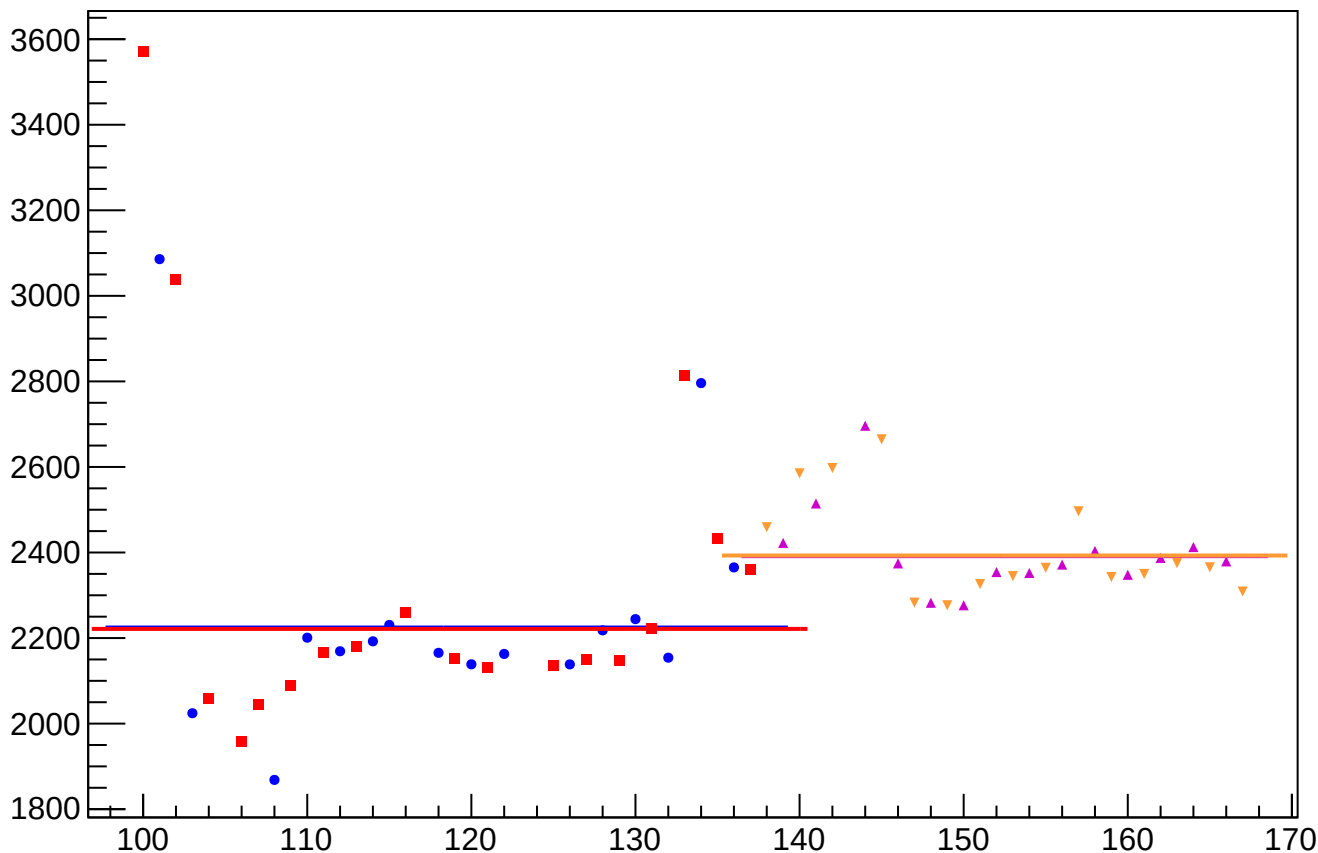
Left In: -5379.381 $\pm$ 704.512 χ^2 /NDF: 16.2/13

+ sign 3343.861 $\pm$ 534.714 χ^2 /NDF: 42.9/30

All: -746.664 $\pm$ 379.821 χ^2 /NDF: 192.8/62

- sign -4912.532 $\pm$ 539.616 χ^2 /NDF: 31.8/31

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613 $\pm$ 0.590 χ^2/NDF : 184680.1/15

Left Out: 2392.964 $\pm$ 0.493 χ^2/NDF : 49903.1/14

Right Out: 2221.425 $\pm$ 0.593 χ^2/NDF : 169944.3/17

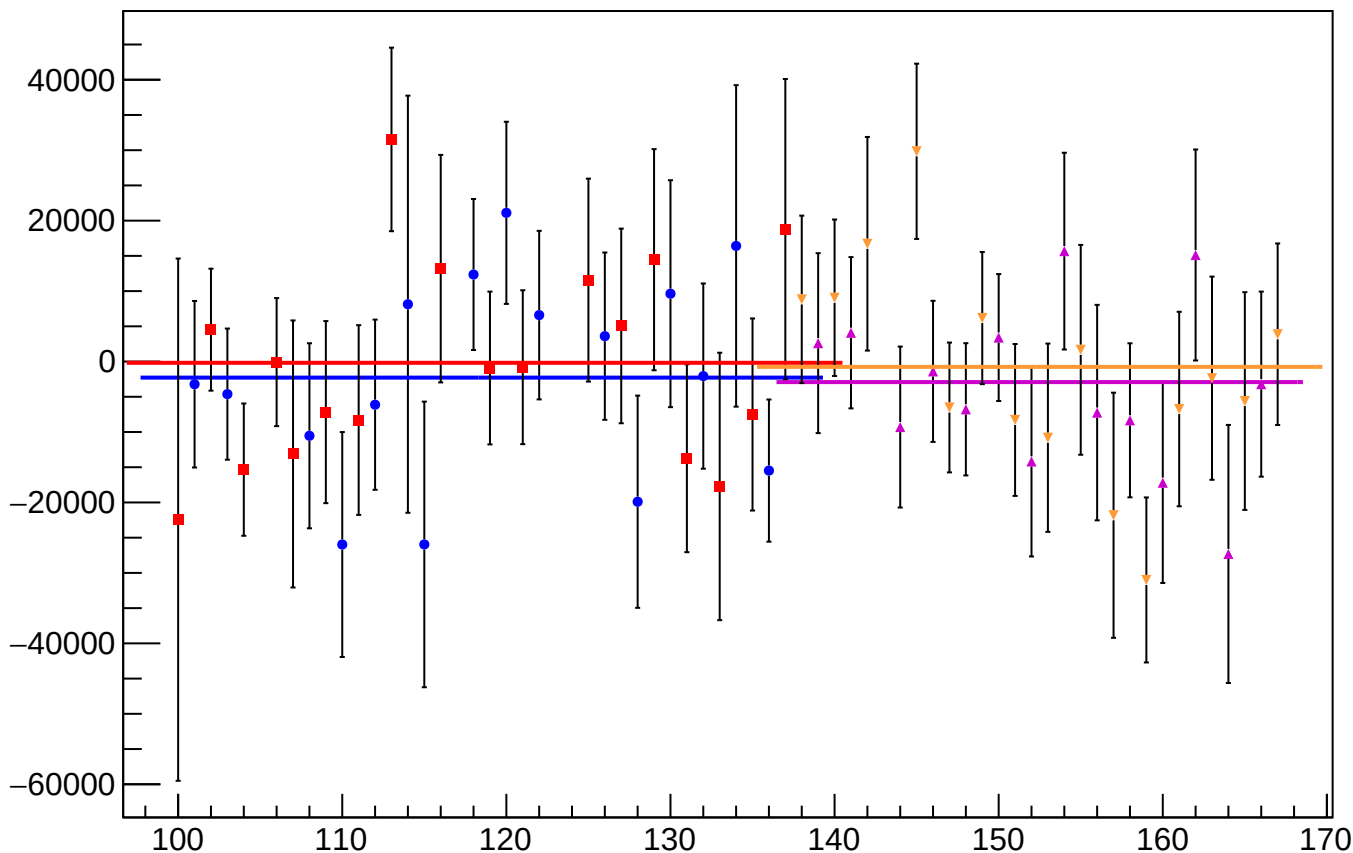
Left In: 2391.446 $\pm$ 0.498 χ^2/NDF : 37817.8/13

+ sign 2323.709 $\pm$ 0.378 χ^2/NDF : 282588.9/30

All: 2322.426 $\pm$ 0.269 χ^2/NDF : 538555.0/62

- sign 2321.120 $\pm$ 0.381 χ^2/NDF : 255942.9/31

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: -753.397+/-3182.621 χ^2/NDF : 19.4/14

Right Out: -177.029+/-3035.348 χ^2/NDF : 15.6/17

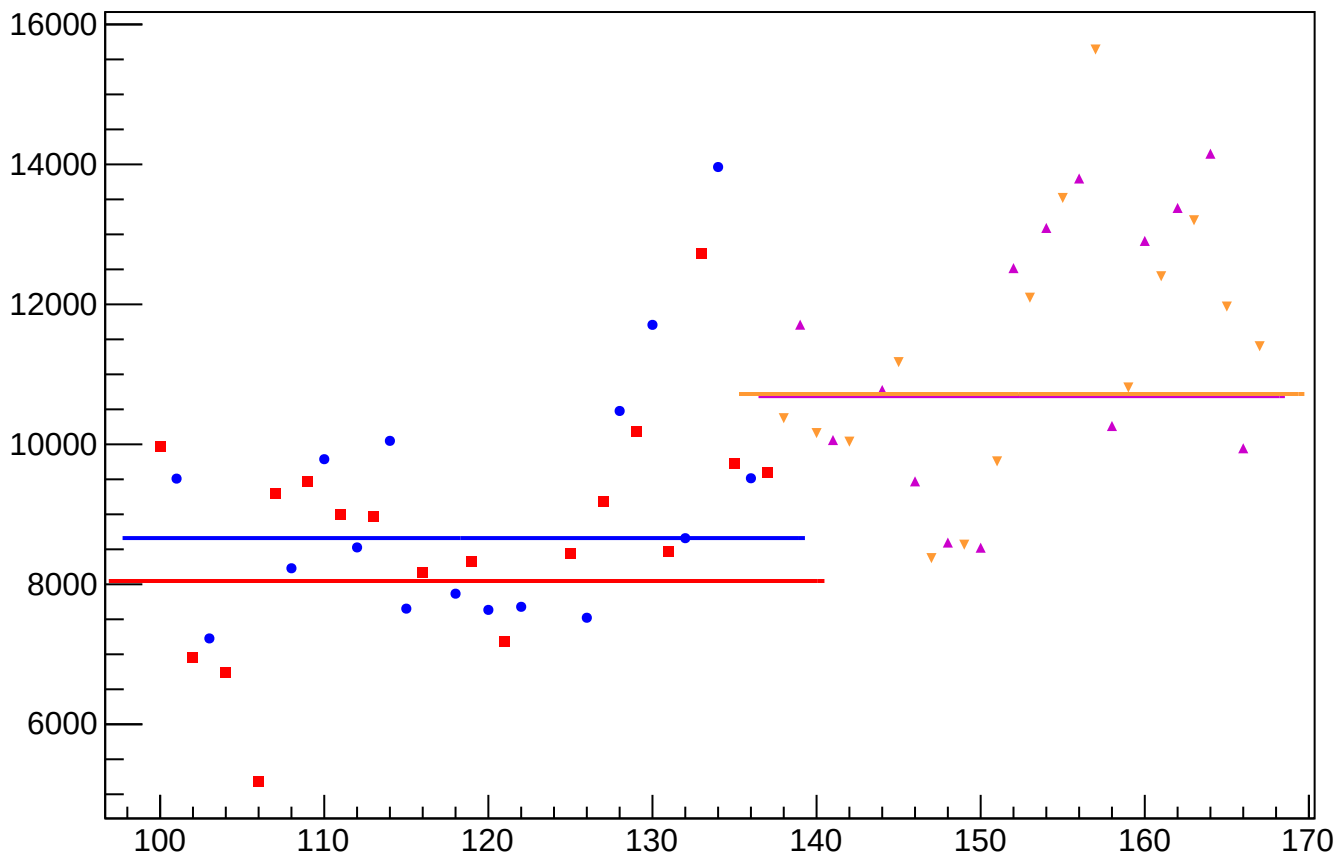
Left In: -2915.629+/-3201.476 χ^2/NDF : 8.6/13

+ sign -1494.854+/-2281.309 χ^2/NDF : 34.0/30

All: -1483.769+/-1584.608 χ^2/NDF : 58.7/62

- sign -1473.434+/-2202.705 χ^2/NDF : 24.7/31

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: 10719.254+/-2.250 χ^2/NDF : 624180.1/14

Right Out: 8047.442+/-2.146 χ^2/NDF : 558557.8/17

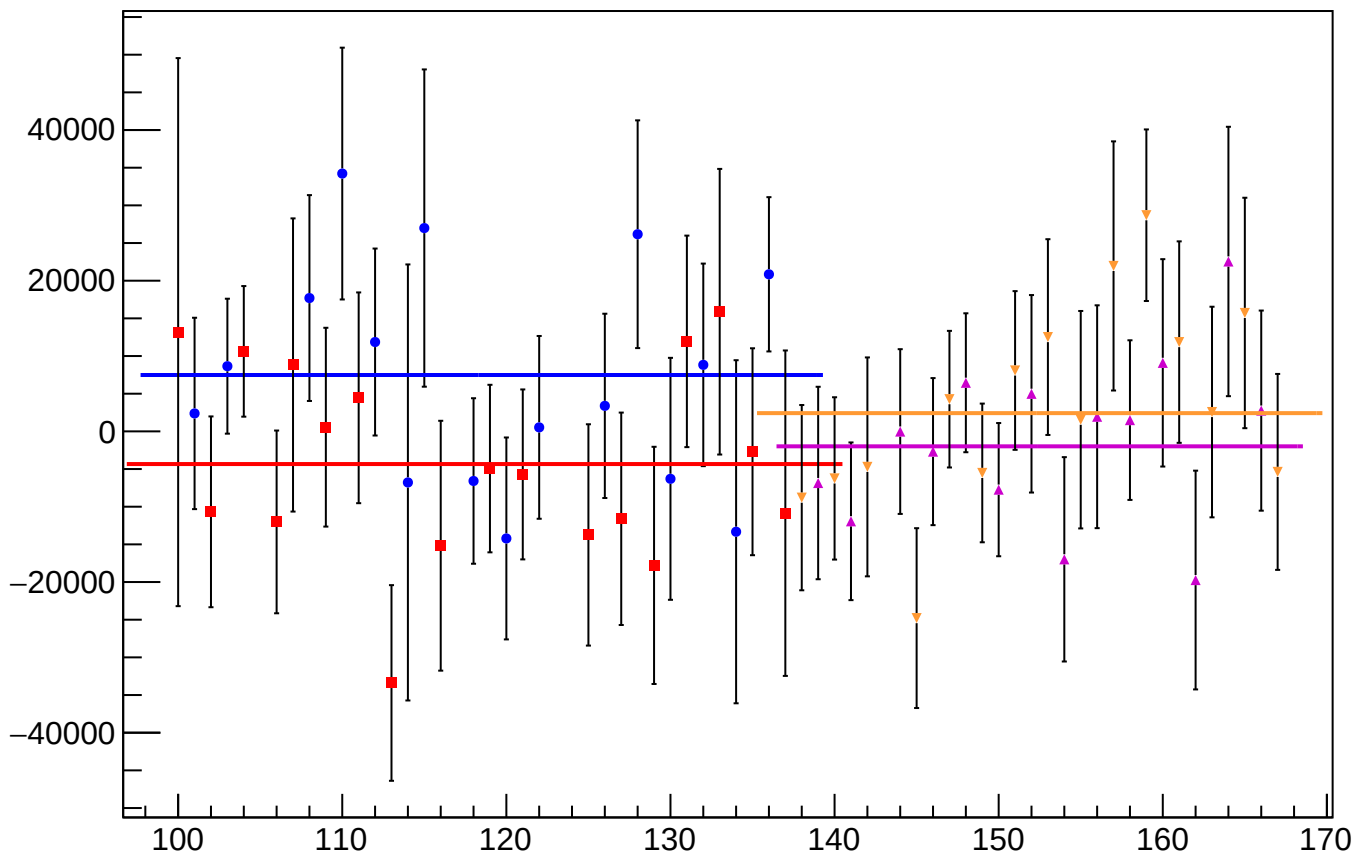
Left In: 10688.777+/-2.264 χ^2/NDF : 637156.8/13

+ sign 9718.401+/-1.613 χ^2/NDF : 1388952.6/30

All: 9500.731+/-1.120 χ^2/NDF : 3336771.7/62

- sign 9297.803+/-1.558 χ^2/NDF : 1912636.6/31

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF : 14.0/15

Left Out: 2421.129+/-3116.607 χ^2/NDF : 16.9/14

Right Out: -4338.165+/-3242.620 χ^2/NDF : 14.3/17

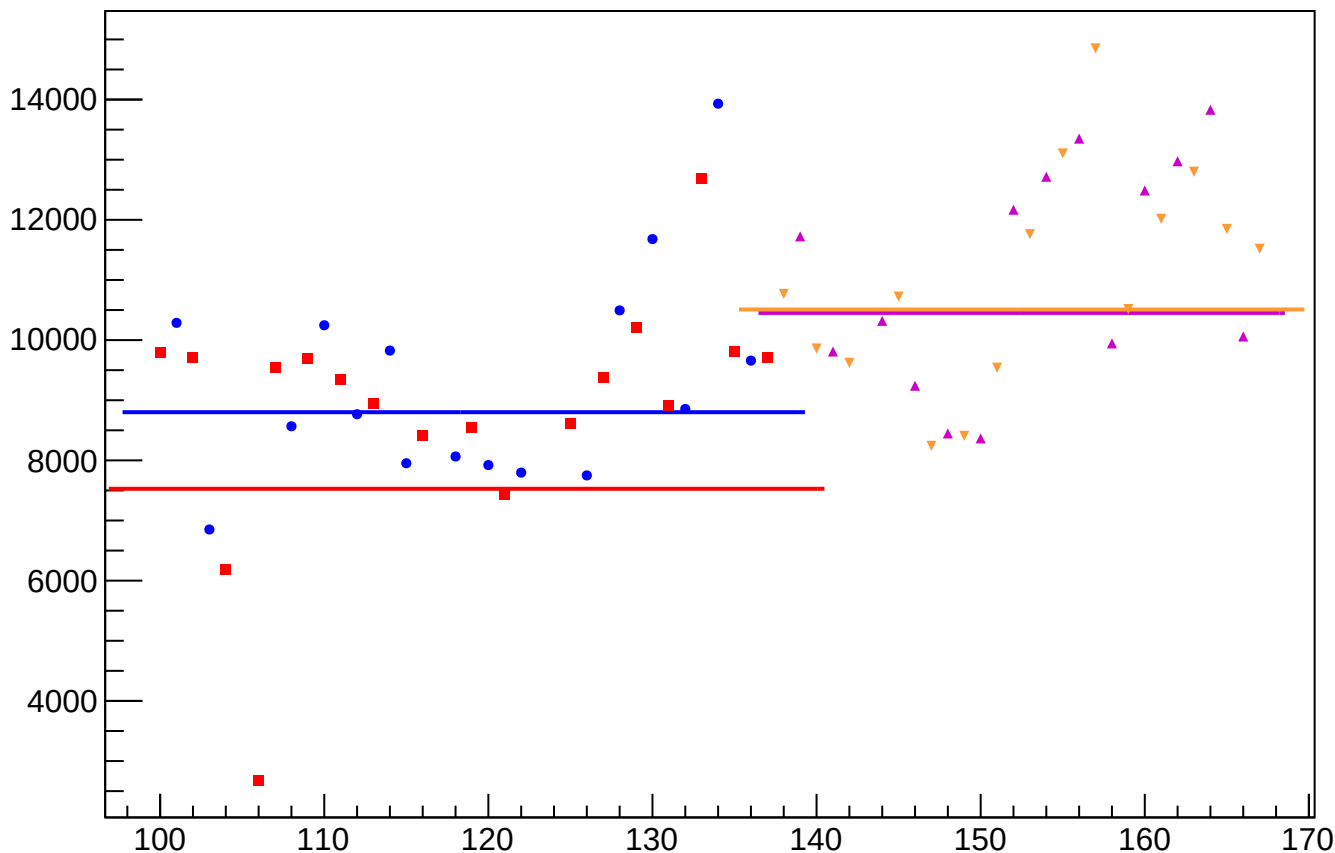
Left In: -1986.217+/-3127.652 χ^2/NDF : 8.2/13

+ sign 4783.425+/-2275.768 χ^2/NDF : 32.2/30

All: 788.823+/-1600.429 χ^2/NDF : 61.1/62

- sign -3119.758+/-2251.131 χ^2/NDF : 22.8/31

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF : 394575.1/15

Left Out: 10508.977+/-2.204 χ^2/NDF : 590148.2/14

Right Out: 7527.803+/-2.128 χ^2/NDF : 1657299.8/17

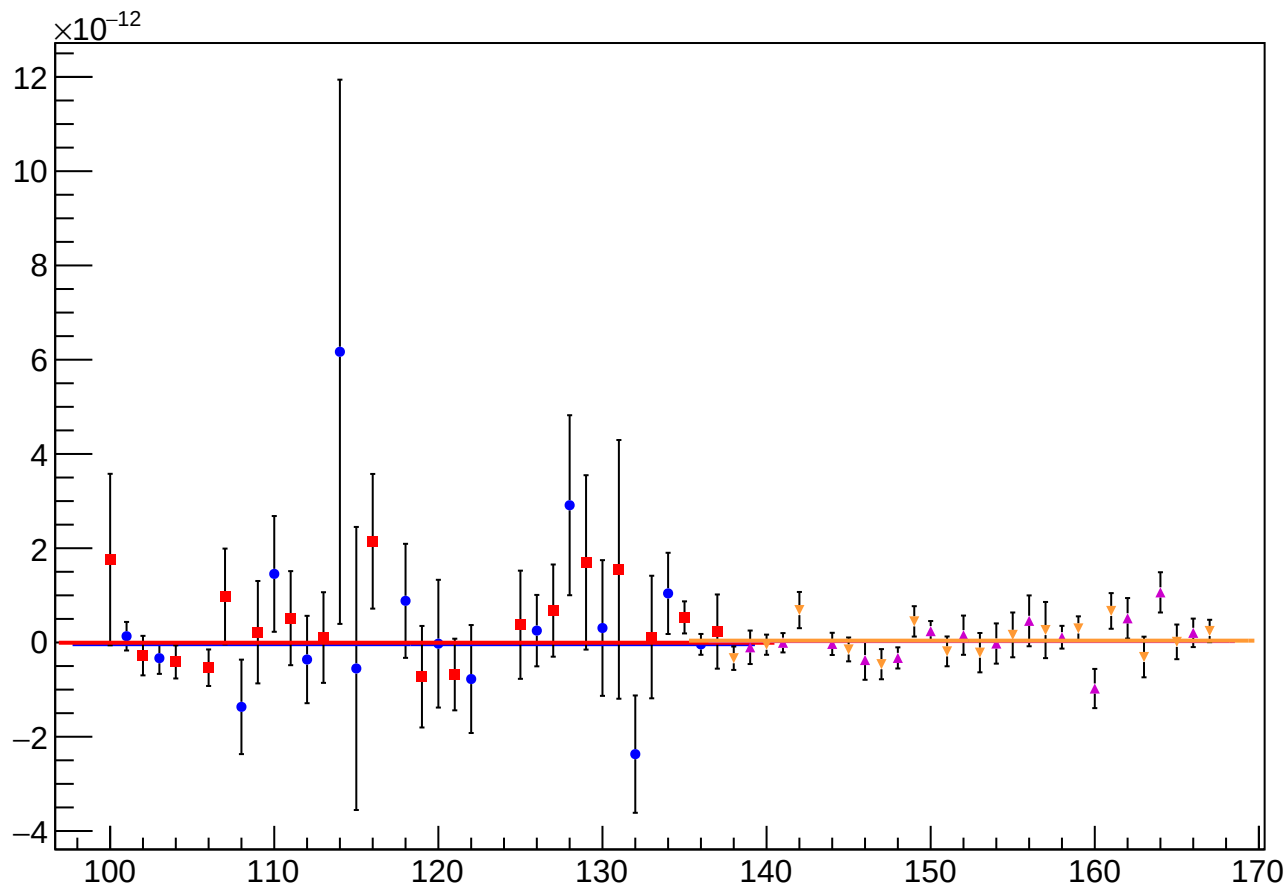
Left In: 10451.873+/-2.212 χ^2/NDF : 612958.2/13

+ sign 9711.722+/-1.609 χ^2/NDF : 1265089.8/30

All: 9304.023+/-1.110 χ^2/NDF : 4565410.3/62

- sign 8933.760+/-1.534 χ^2/NDF : 3177837.4/31

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 : 16.1/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.7/17

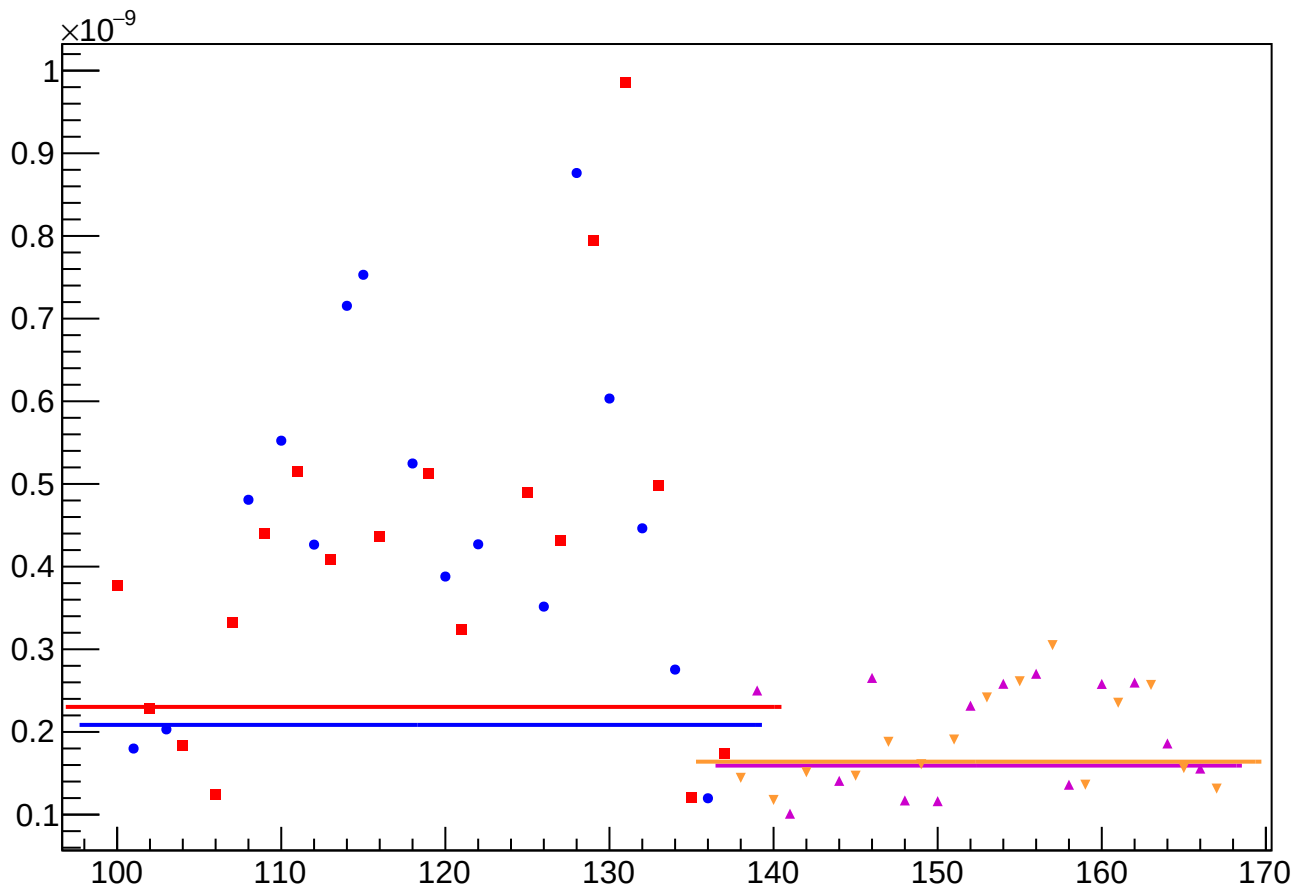
Left In: 0.000 ± 0.000 χ^2/NDF : 18.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 30.6/30

All: 0.000 ± 0.000 χ^2/NDF : 63.2/62

- sign 0.000 ± 0.000 χ^2/NDF : 32.6/31

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 : 633586.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 1561654.8/17

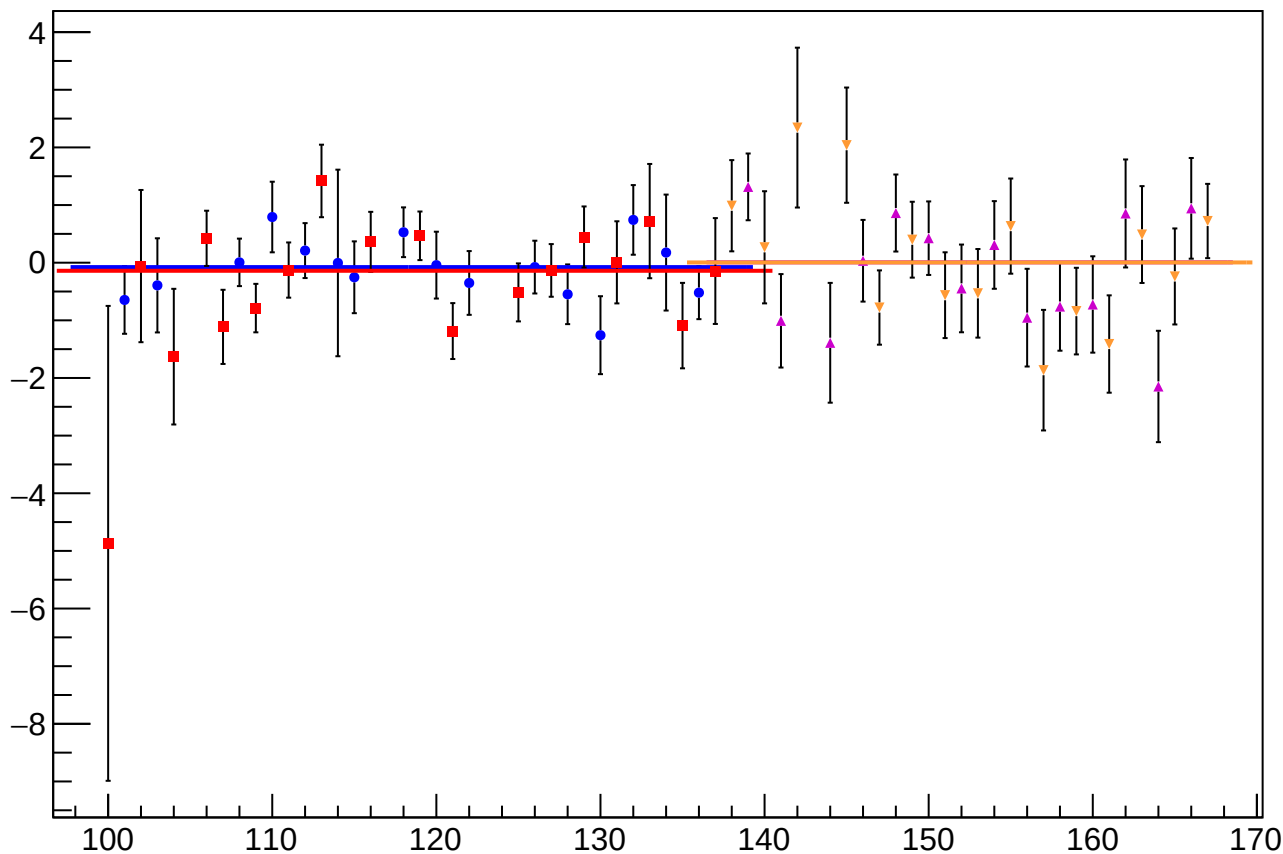
Left In: 0.000+/-0.000 χ^2/NDF : 1084810.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 2415068.2/30

All: 0.000+/-0.000 χ^2/NDF : 5387869.9/62

- sign 0.000+/-0.000 χ^2/NDF : 2972655.7/31

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: 0.004 ± 0.208 χ^2/NDF : 21.0/14

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

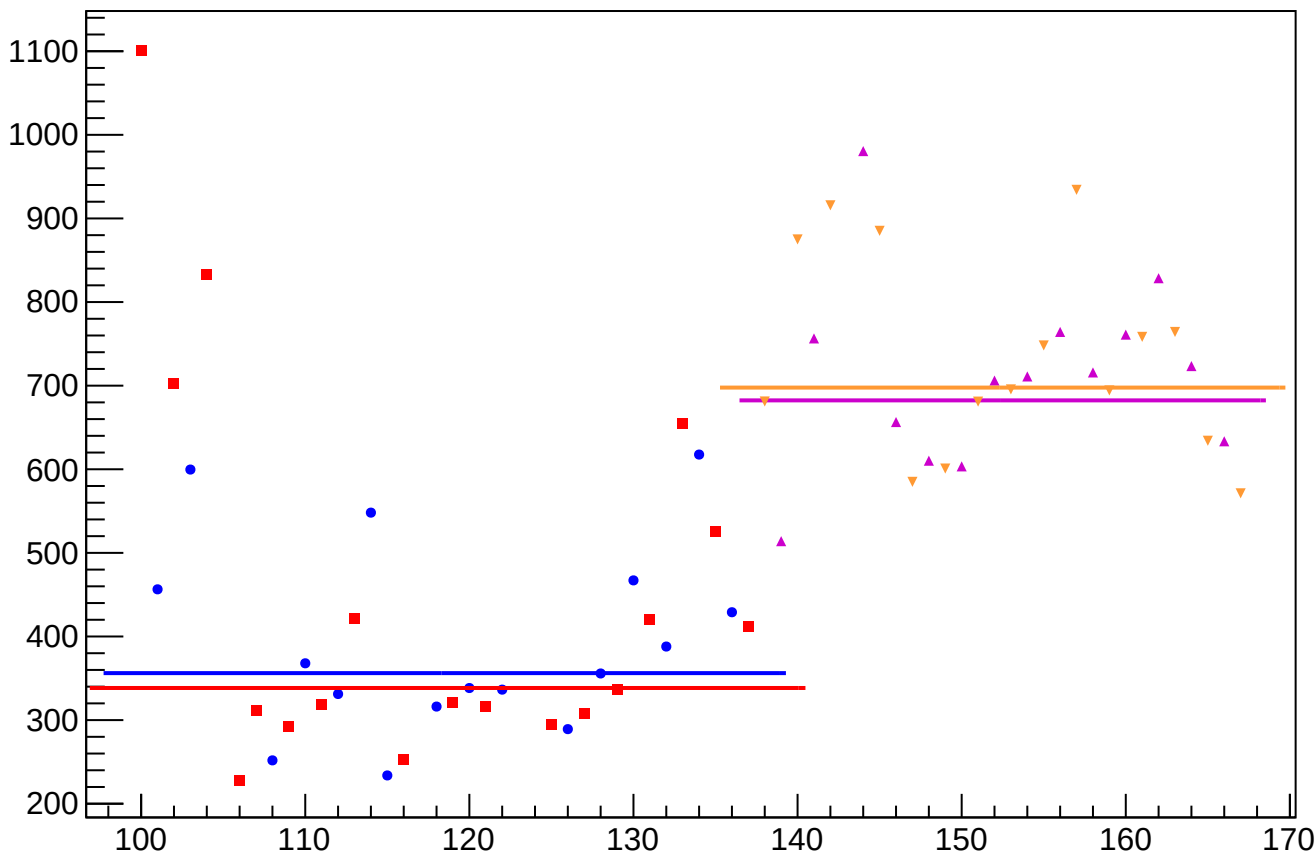
Left In: 0.006 ± 0.206 χ^2/NDF : 21.1/13

+ sign -0.051 ± 0.116 χ^2/NDF : 33.6/30

All: -0.073 ± 0.082 χ^2/NDF : 82.1/62

- sign -0.095 ± 0.115 χ^2/NDF : 48.4/31

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 356.190 ± 0.099 $\chi^2/\text{NDF}: 785107.3/15$

Left Out: 697.696 ± 0.147 $\chi^2/\text{NDF}: 513908.1/14$

Right Out: 338.410 ± 0.098 $\chi^2/\text{NDF}: 1203282.0/17$

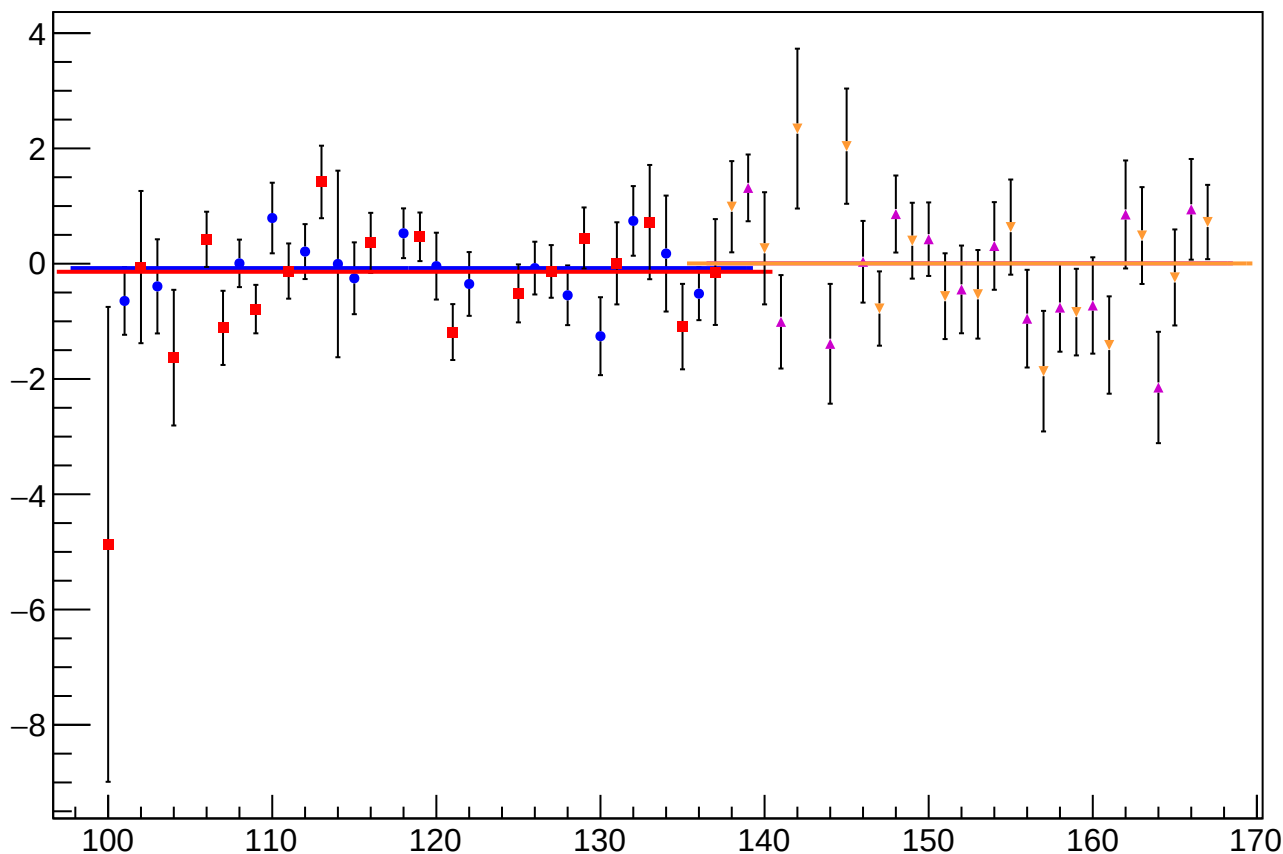
Left In: 682.398 ± 0.145 $\chi^2/\text{NDF}: 510573.4/13$

+ sign 462.869 ± 0.082 $\chi^2/\text{NDF}: 5021808.8/30$

All: 453.885 ± 0.058 $\chi^2/\text{NDF}: 10615862.3/62$

- sign 445.119 ± 0.081 $\chi^2/\text{NDF}: 5570354.7/31$

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: 0.004 ± 0.208 χ^2/NDF : 21.0/14

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

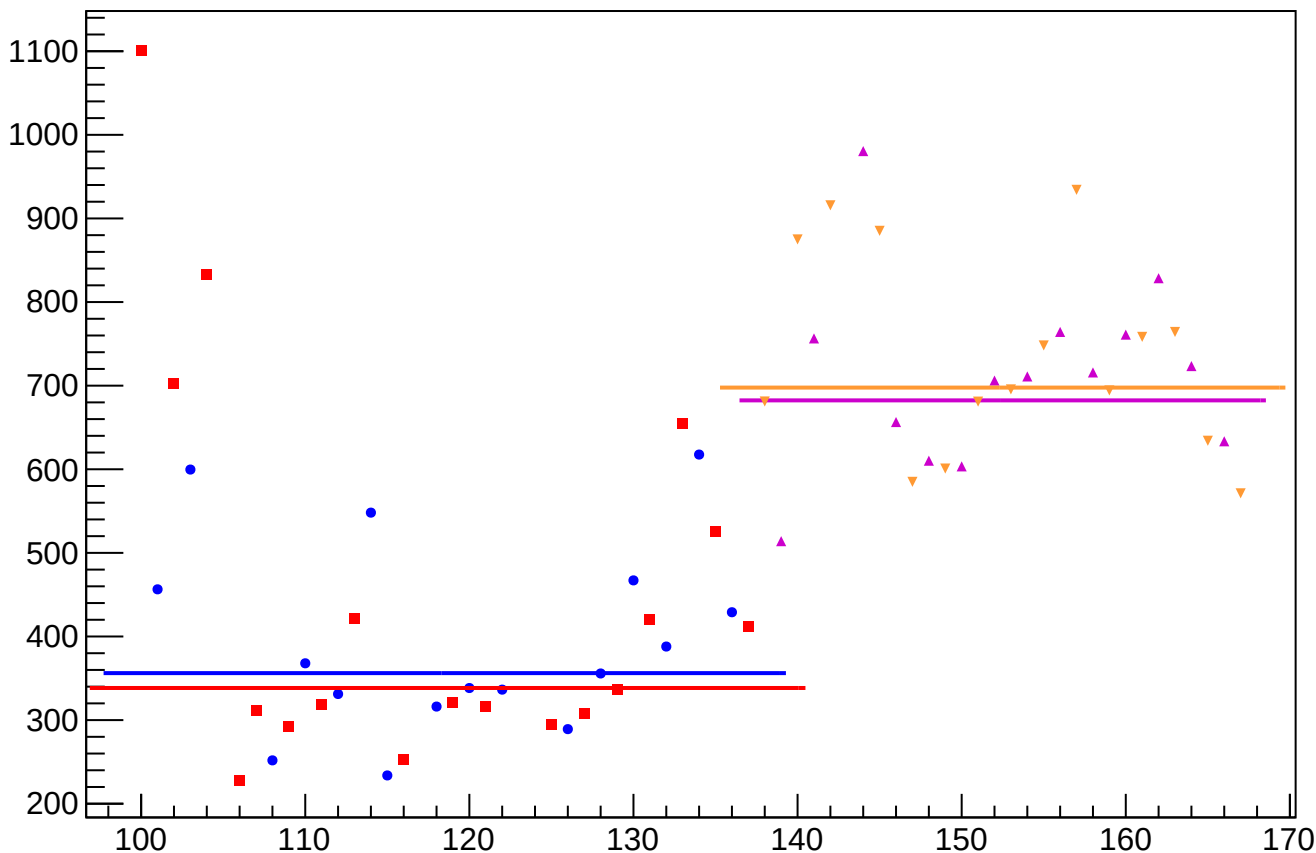
Left In: 0.006 ± 0.206 χ^2/NDF : 21.1/13

+ sign -0.051 ± 0.116 χ^2/NDF : 33.6/30

All: -0.073 ± 0.082 χ^2/NDF : 82.1/62

- sign -0.095 ± 0.115 χ^2/NDF : 48.4/31

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: 697.696+/-0.147 χ^2/NDF : 513908.1/14

Right Out: 338.410+/-0.098 χ^2/NDF : 1203282.0/17

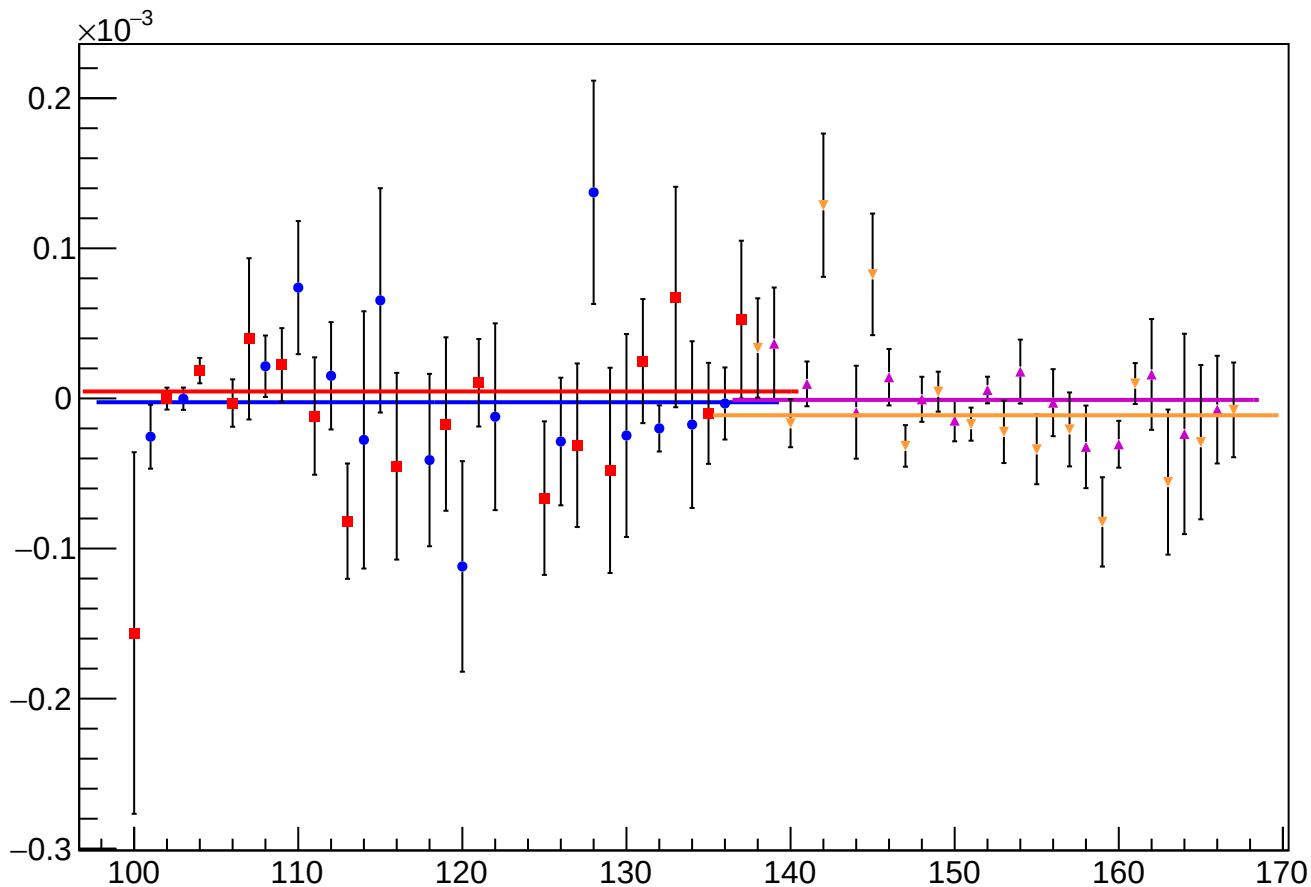
Left In: 682.398+/-0.145 χ^2/NDF : 510573.4/13

+ sign 462.869+/-0.082 χ^2/NDF : 5021808.8/30

All: 453.885+/-0.058 χ^2/NDF : 10615862.3/62

- sign 445.119+/-0.081 χ^2/NDF : 5570354.7/31

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: 30.3/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

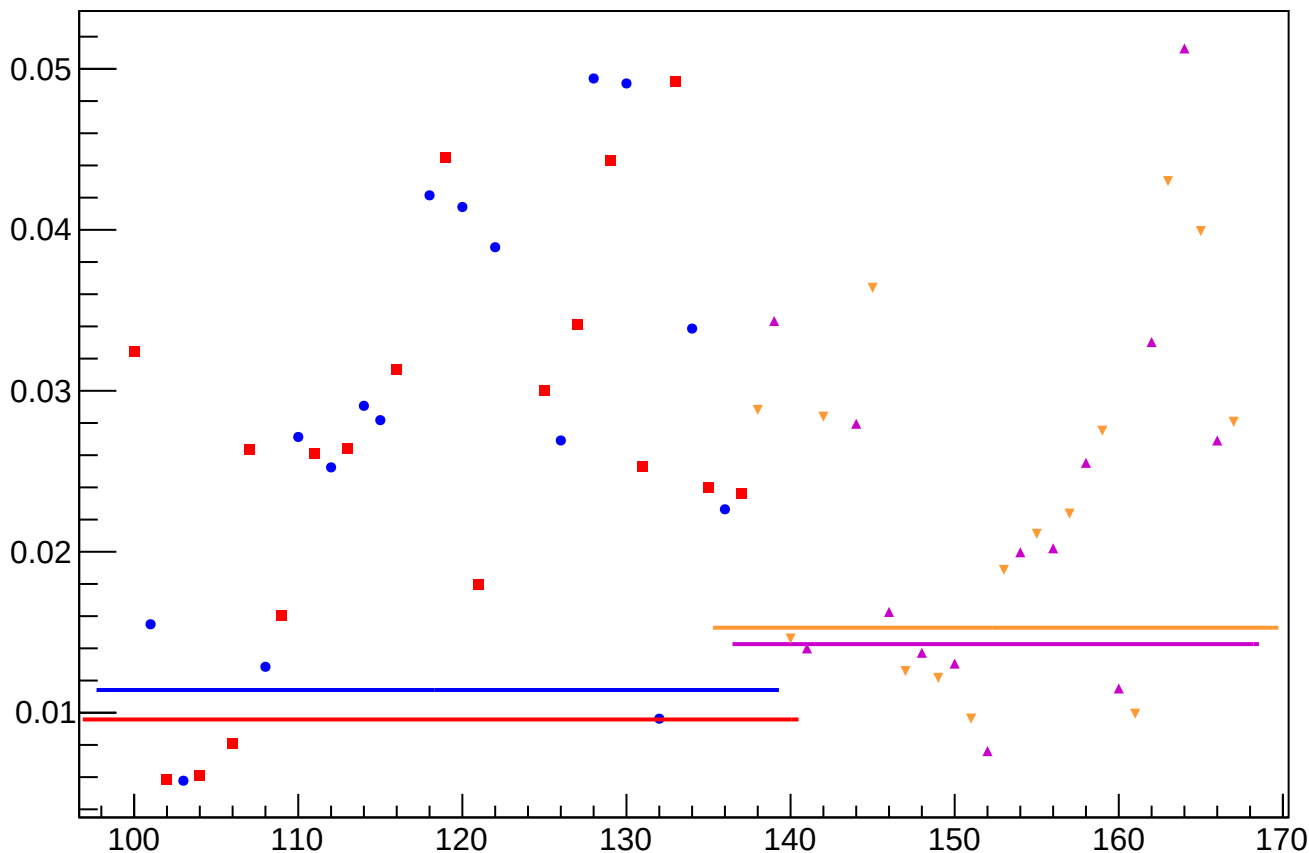
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.8/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.6/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 77.5/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/31

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 5500651.2/15

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 4188425.1/14

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 5787700.4/17

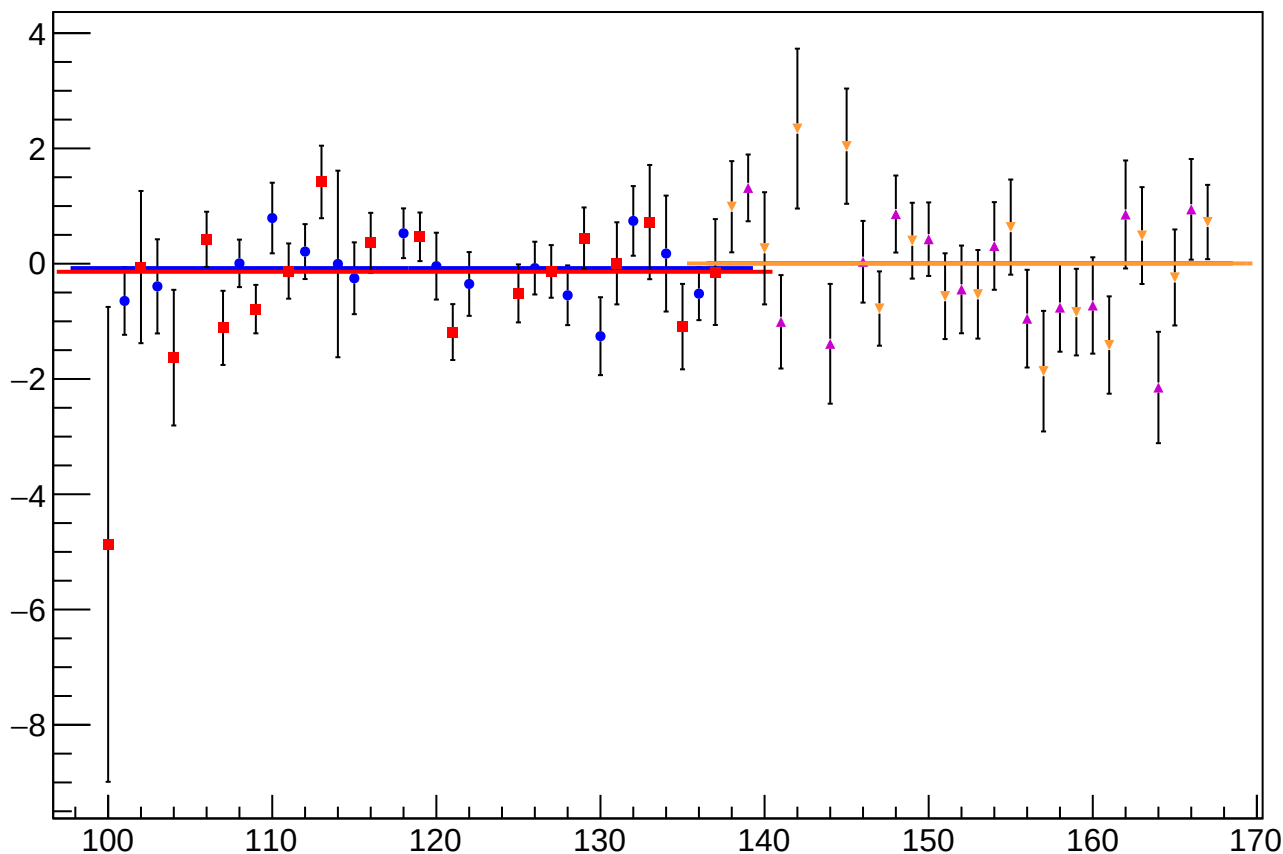
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 4196122.9/13

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 10219376.5/30

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 21381105.6/62

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 10944022.1/31

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: 0.004 ± 0.208 χ^2/NDF : 21.0/14

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

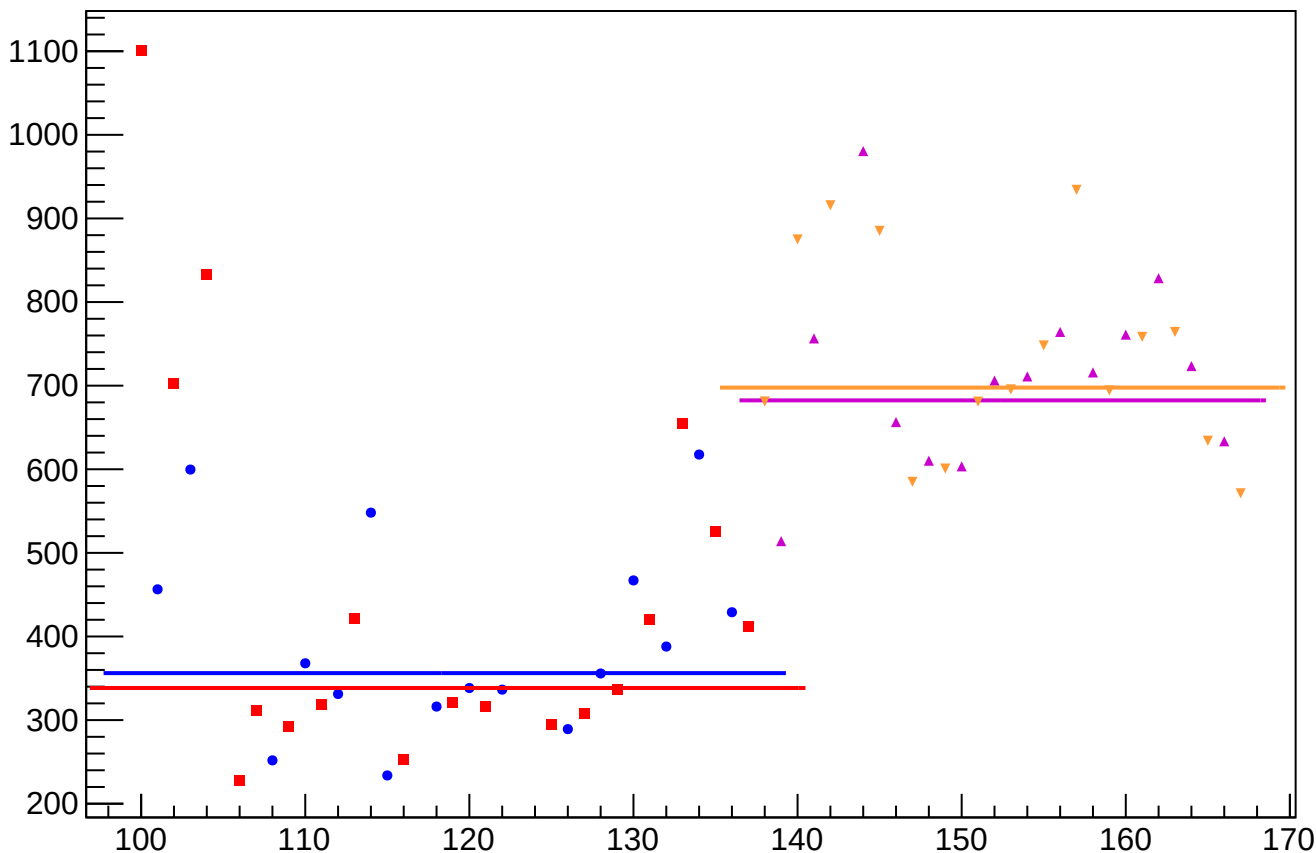
Left In: 0.006 ± 0.206 χ^2/NDF : 21.1/13

+ sign -0.051 ± 0.116 χ^2/NDF : 33.6/30

All: -0.073 ± 0.082 χ^2/NDF : 82.1/62

- sign -0.095 ± 0.115 χ^2/NDF : 48.4/31

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: 697.707+/-0.147 χ^2/NDF : 513922.0/14

Right Out: 338.408+/-0.098 χ^2/NDF : 1203260.7/17

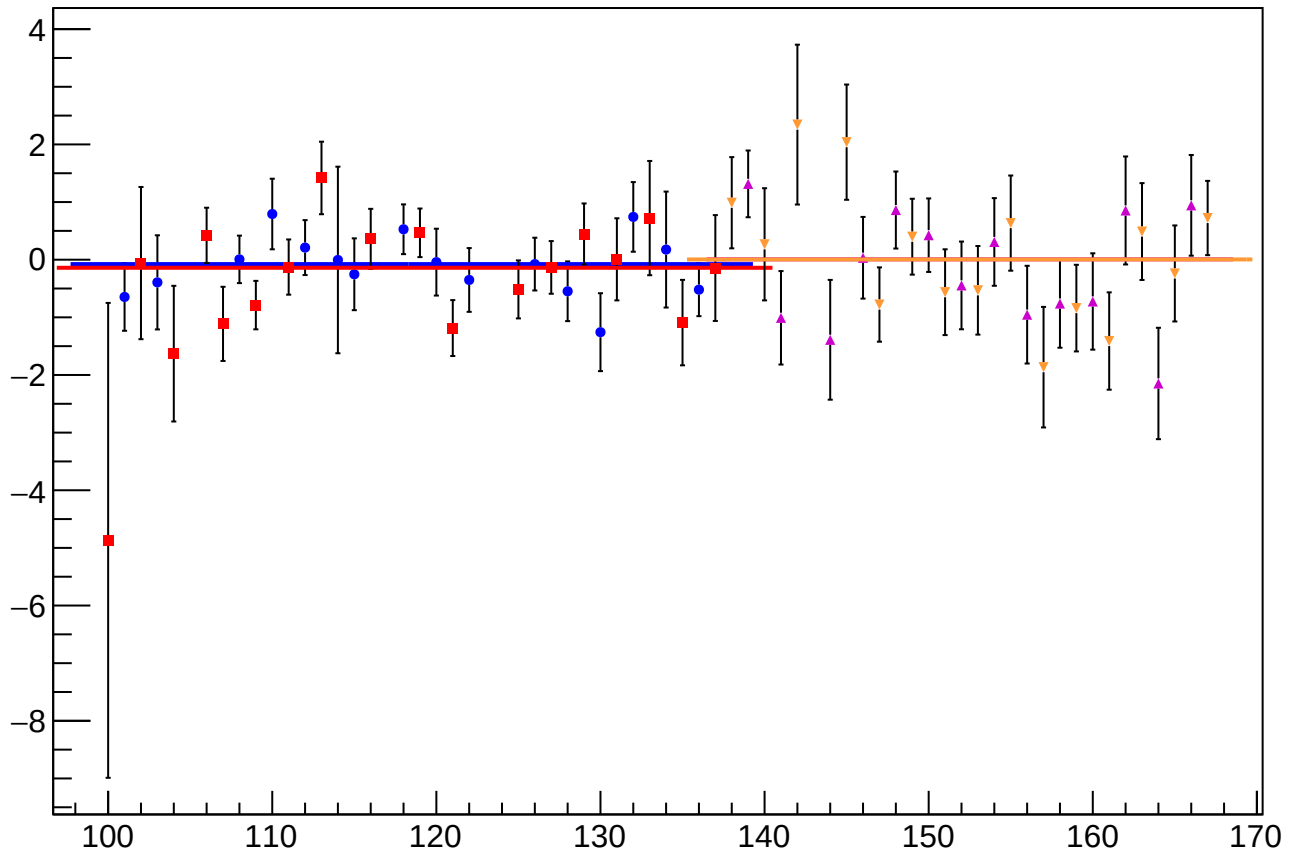
Left In: 682.409+/-0.145 χ^2/NDF : 510571.6/13

+ sign 462.868+/-0.082 χ^2/NDF : 5021985.9/30

All: 453.884+/-0.058 χ^2/NDF : 10616241.4/62

- sign 445.117+/-0.081 χ^2/NDF : 5570554.6/31

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: 0.004 ± 0.208 χ^2/NDF : 21.0/14

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

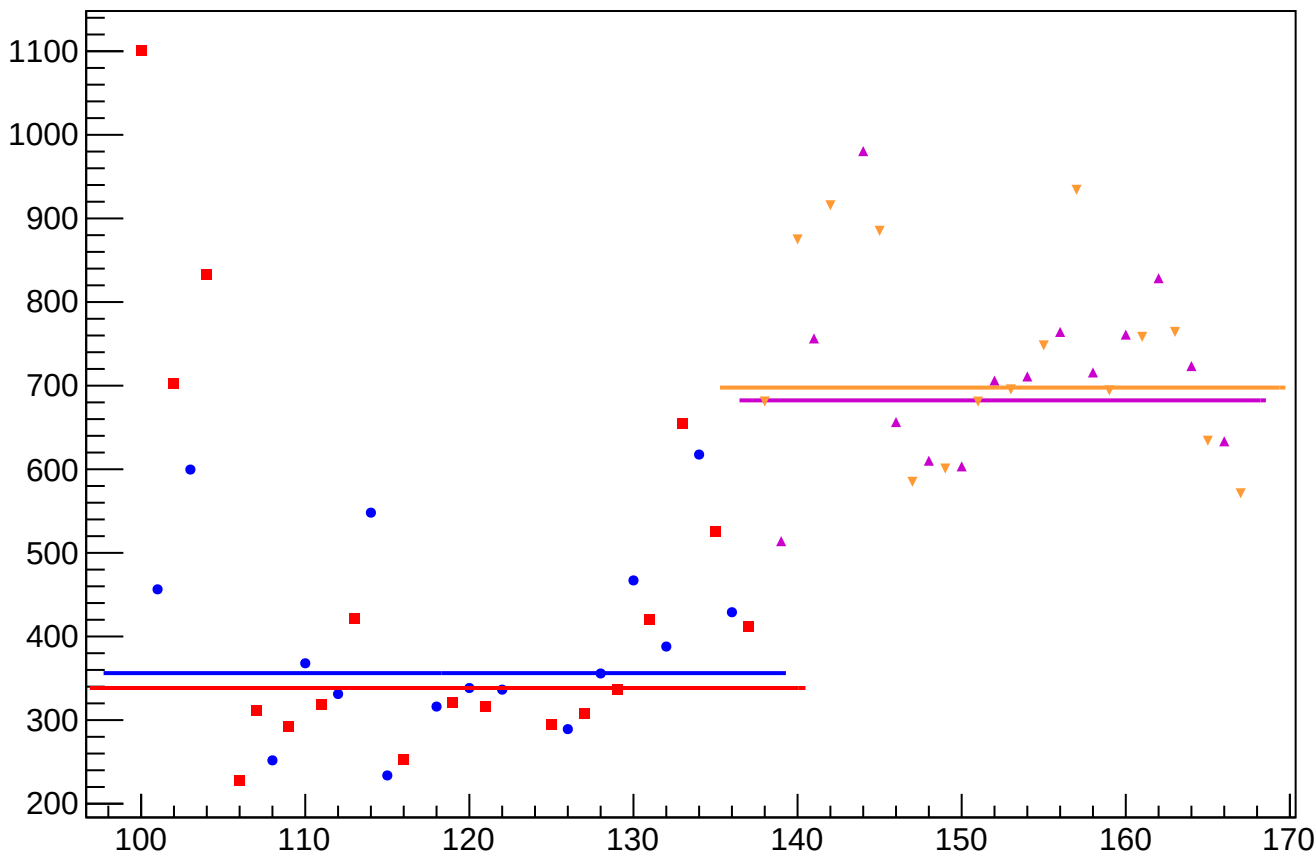
Left In: 0.006 ± 0.206 χ^2/NDF : 21.1/13

+ sign -0.051 ± 0.116 χ^2/NDF : 33.6/30

All: -0.073 ± 0.082 χ^2/NDF : 82.1/62

- sign -0.095 ± 0.115 χ^2/NDF : 48.4/31

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: 697.707+/-0.147 χ^2/NDF : 513922.0/14

Right Out: 338.408+/-0.098 χ^2/NDF : 1203260.7/17

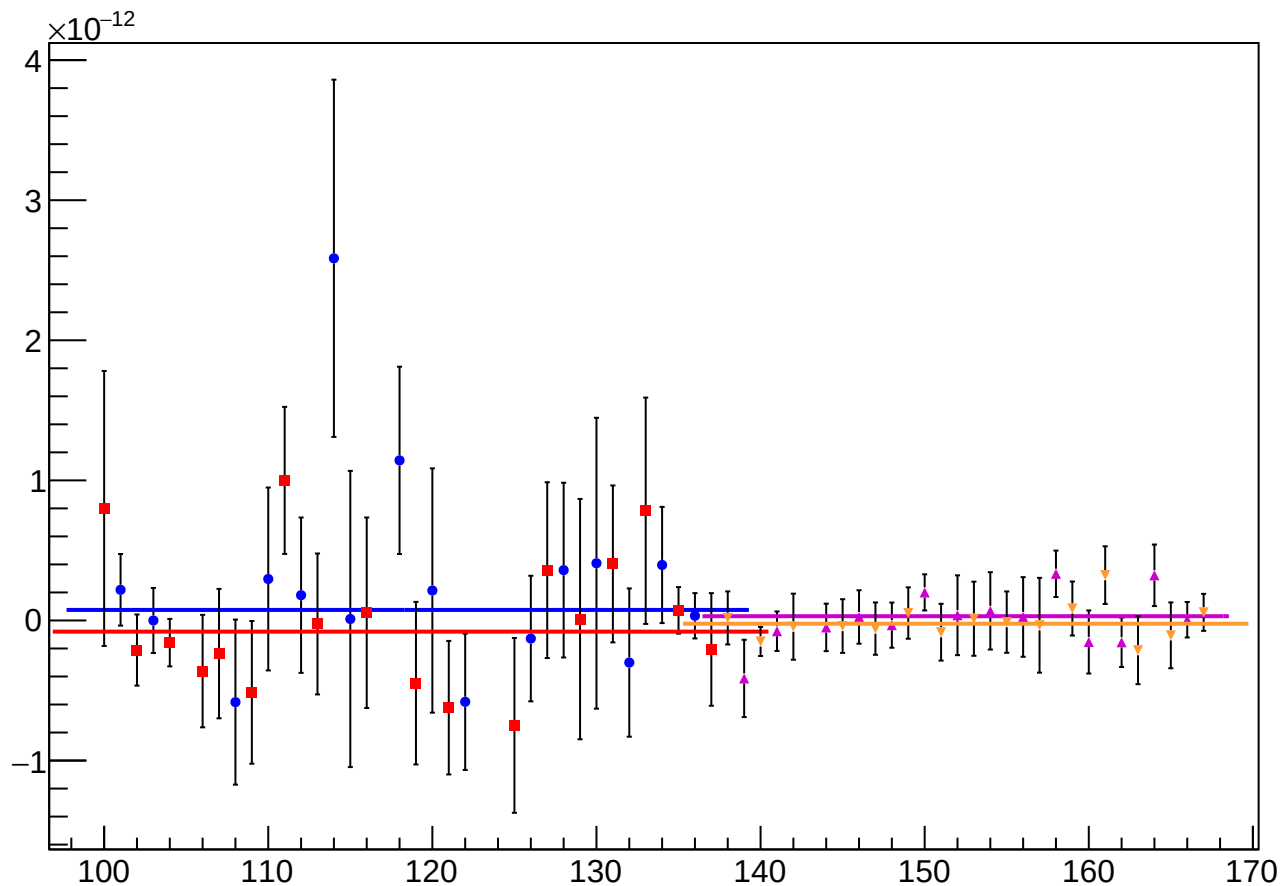
Left In: 682.409+/-0.145 χ^2/NDF : 510571.6/13

+ sign 462.868+/-0.082 χ^2/NDF : 5021985.9/30

All: 453.884+/-0.058 χ^2/NDF : 10616241.4/62

- sign 445.117+/-0.081 χ^2/NDF : 5570554.6/31

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 : 6.1/14

Right Out: -0.000+/-0.000 χ^2/NDF : 13.1/17

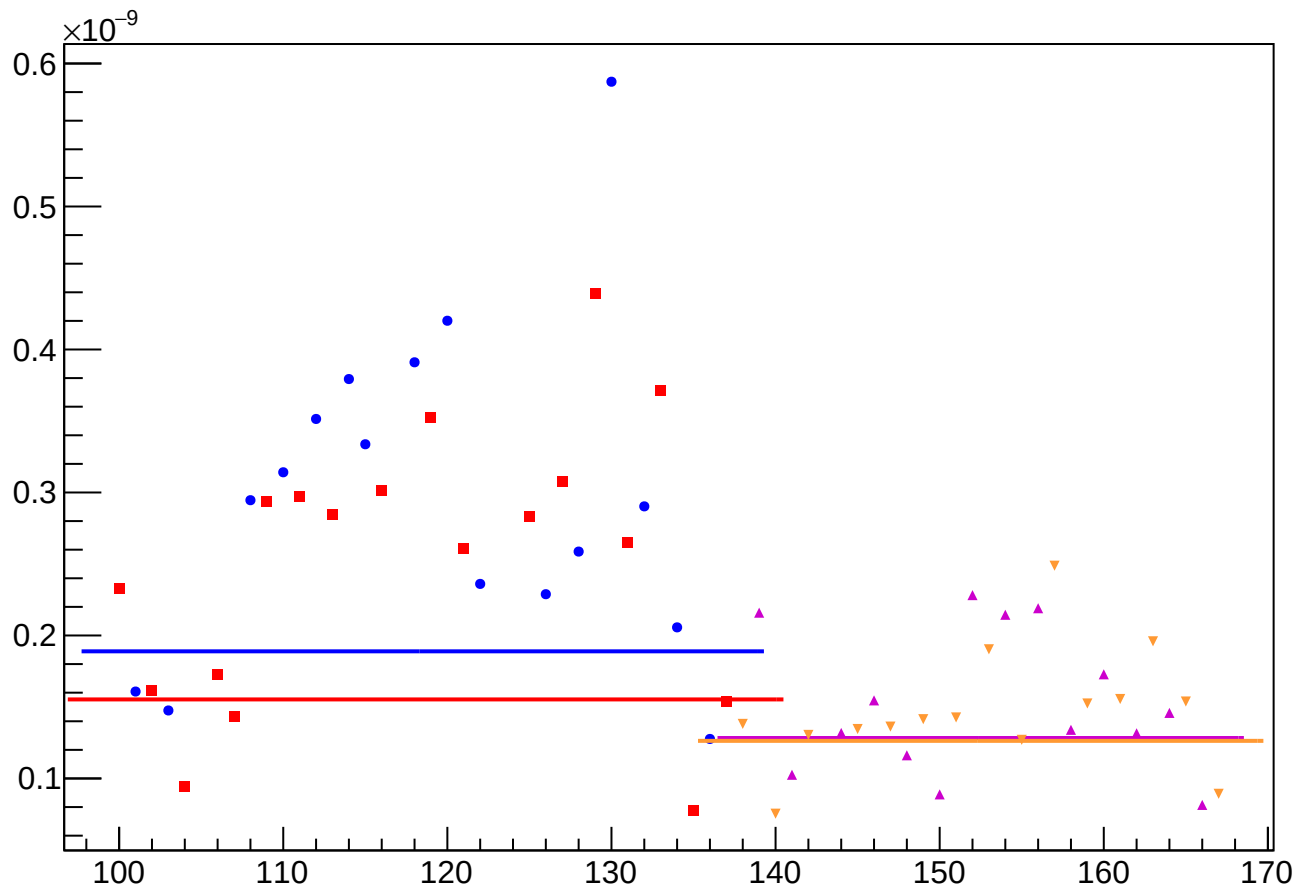
Left In: 0.000+/-0.000 χ^2/NDF : 12.2/13

+ sign -0.000+/-0.000 χ^2/NDF : 18.8/30

All: 0.000+/-0.000 χ^2/NDF : 45.3/62

- sign 0.000+/-0.000 χ^2/NDF : 26.6/31

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 : 1331503.3/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2200687.6/17

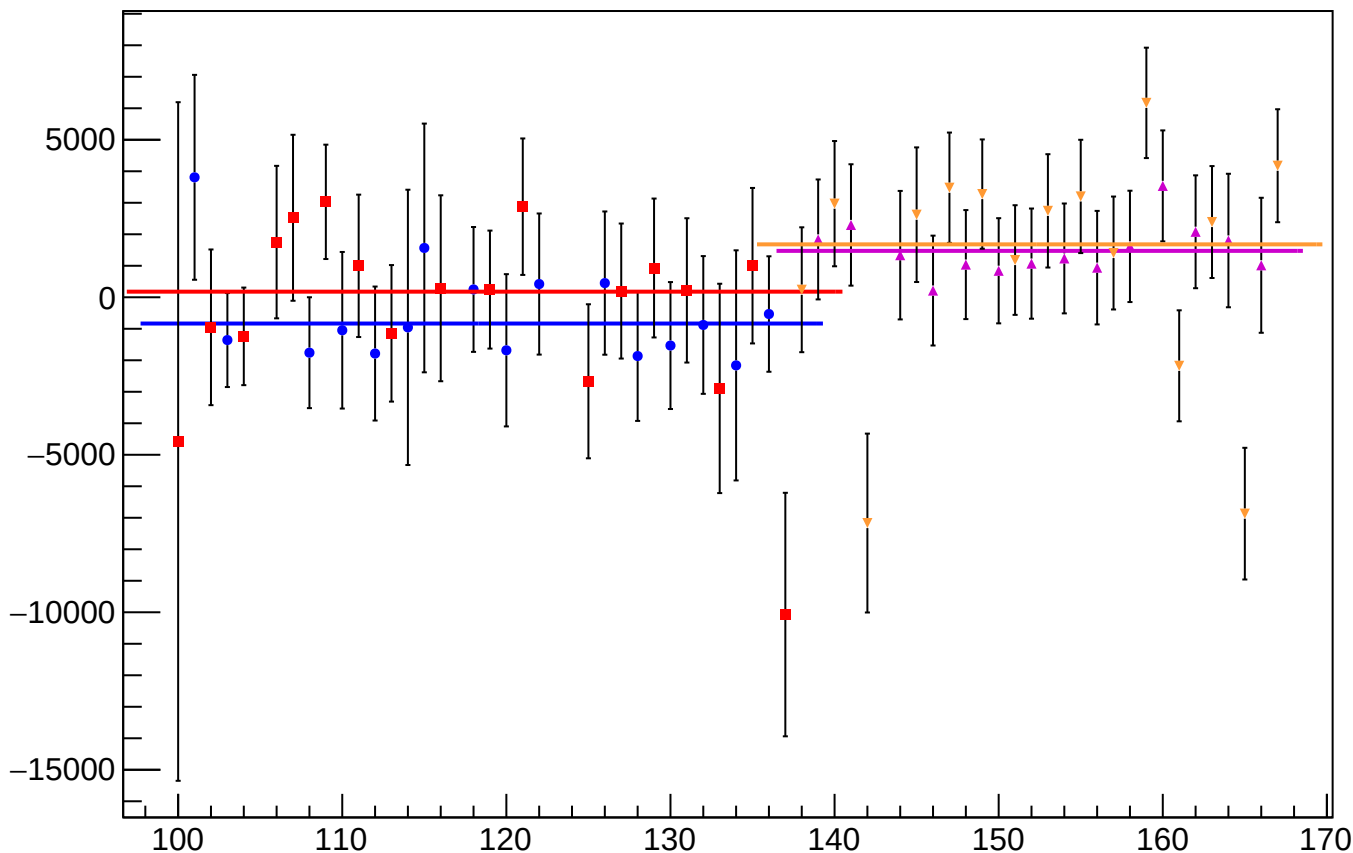
Left In: 0.000+/-0.000 χ^2/NDF : 1518146.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 3528774.1/30

All: 0.000+/-0.000 χ^2/NDF : 7407937.2/62

- sign 0.000+/-0.000 χ^2/NDF : 3870459.5/31

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF : 4.6/15

Left Out: 1679.750+/-483.772 χ^2/NDF : 44.1/14

Right Out: 178.292+/-547.824 χ^2/NDF : 16.5/17

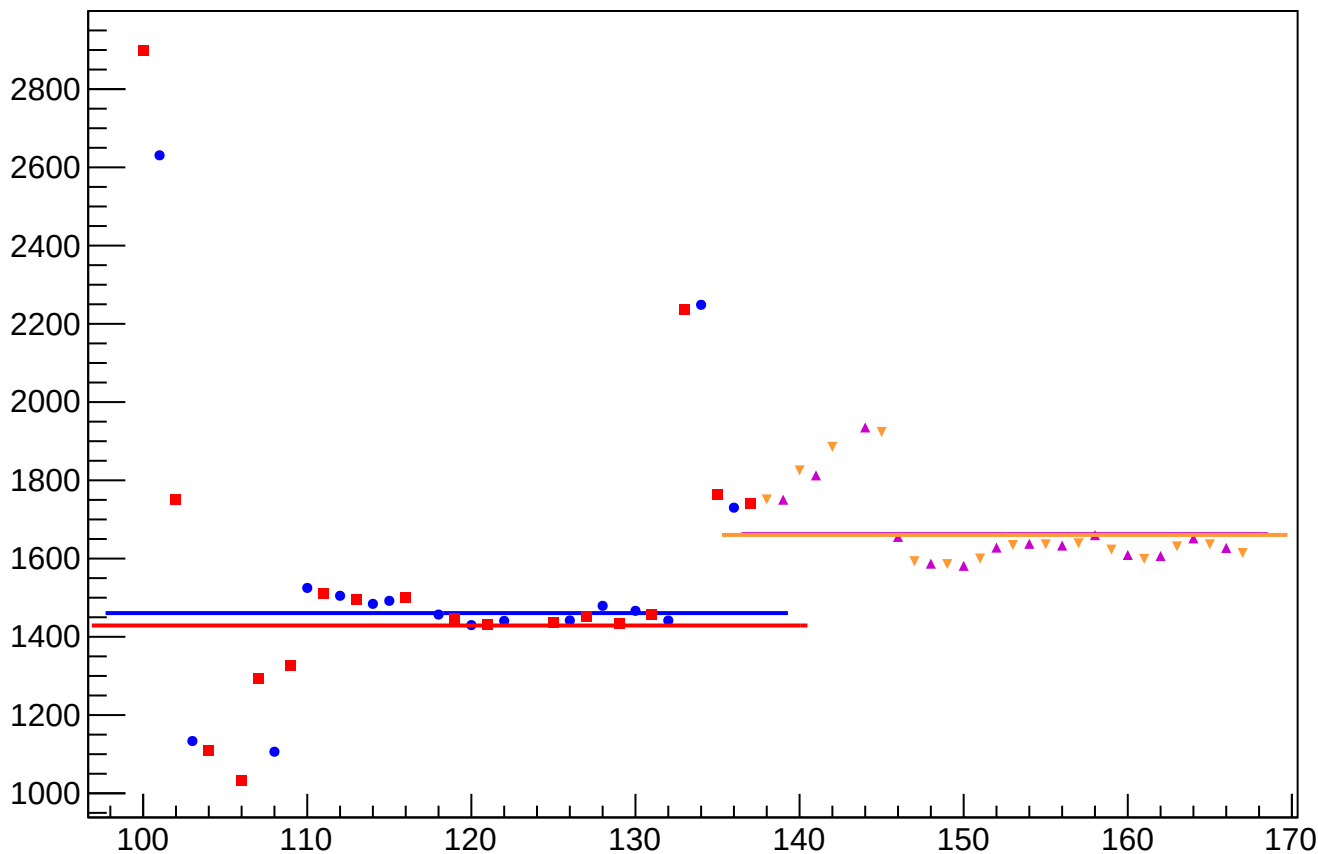
Left In: 1473.099+/-489.989 χ^2/NDF : 2.7/13

+ sign 594.288+/-364.631 χ^2/NDF : 60.4/30

All: 745.715+/-258.040 χ^2/NDF : 82.9/62

- sign 897.628+/-365.216 χ^2/NDF : 22.2/31

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF : 575736.1/15

Left Out: 1660.545+/-0.342 χ^2/NDF : 76469.8/14

Right Out: 1428.940+/-0.385 χ^2/NDF : 411275.6/17

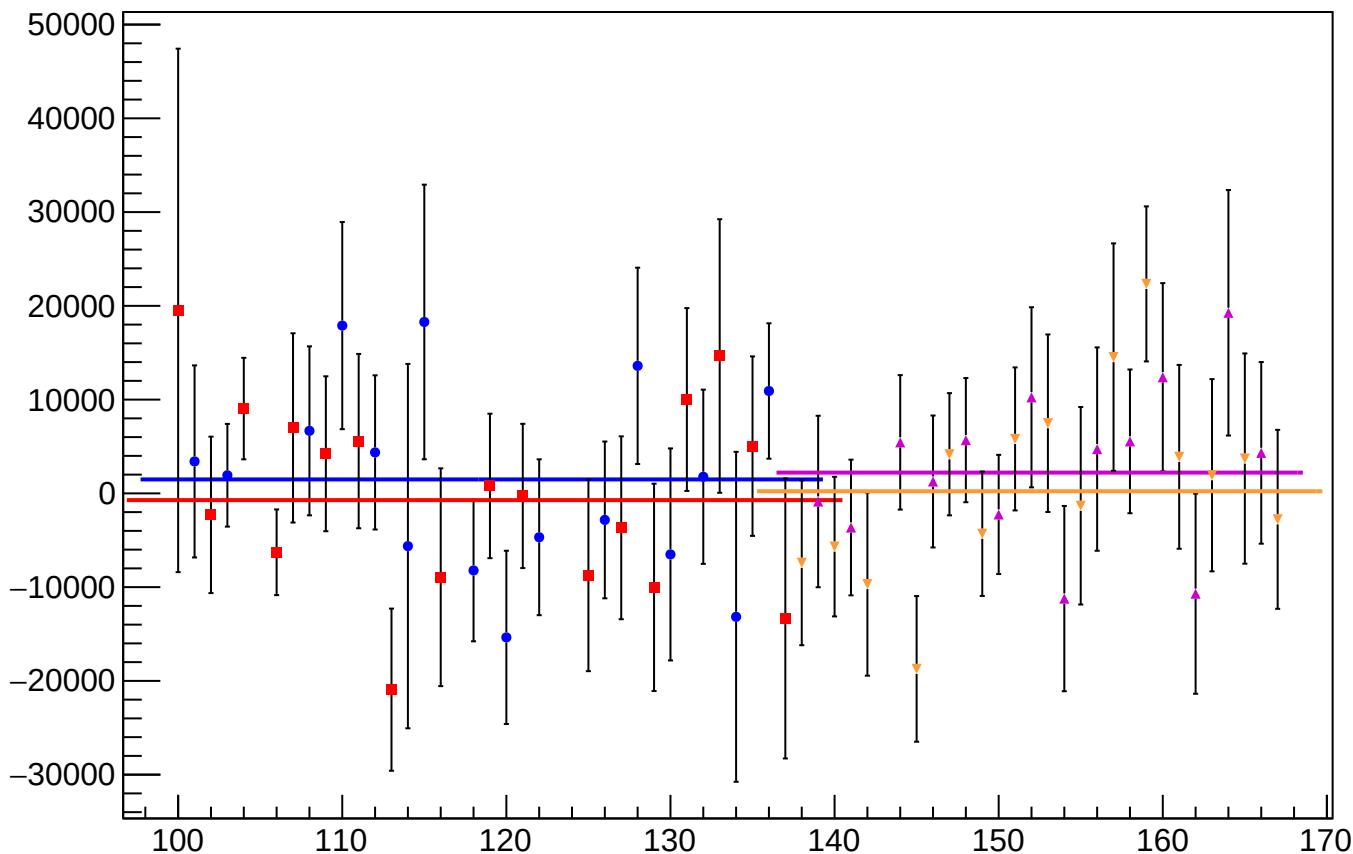
Left In: 1662.487+/-0.346 χ^2/NDF : 66784.8/13

+ sign 1574.212+/-0.258 χ^2/NDF : 799680.8/30

All: 1566.008+/-0.182 χ^2/NDF : 1483366.2/62

- sign 1557.833+/-0.257 χ^2/NDF : 681664.3/31

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 1487.438+/-2268.028 χ^2/NDF : 14.2/15

Left Out: 227.166+/-2225.307 χ^2/NDF : 19.2/14

Right Out: -720.166+/-2011.559 χ^2/NDF : 17.5/17

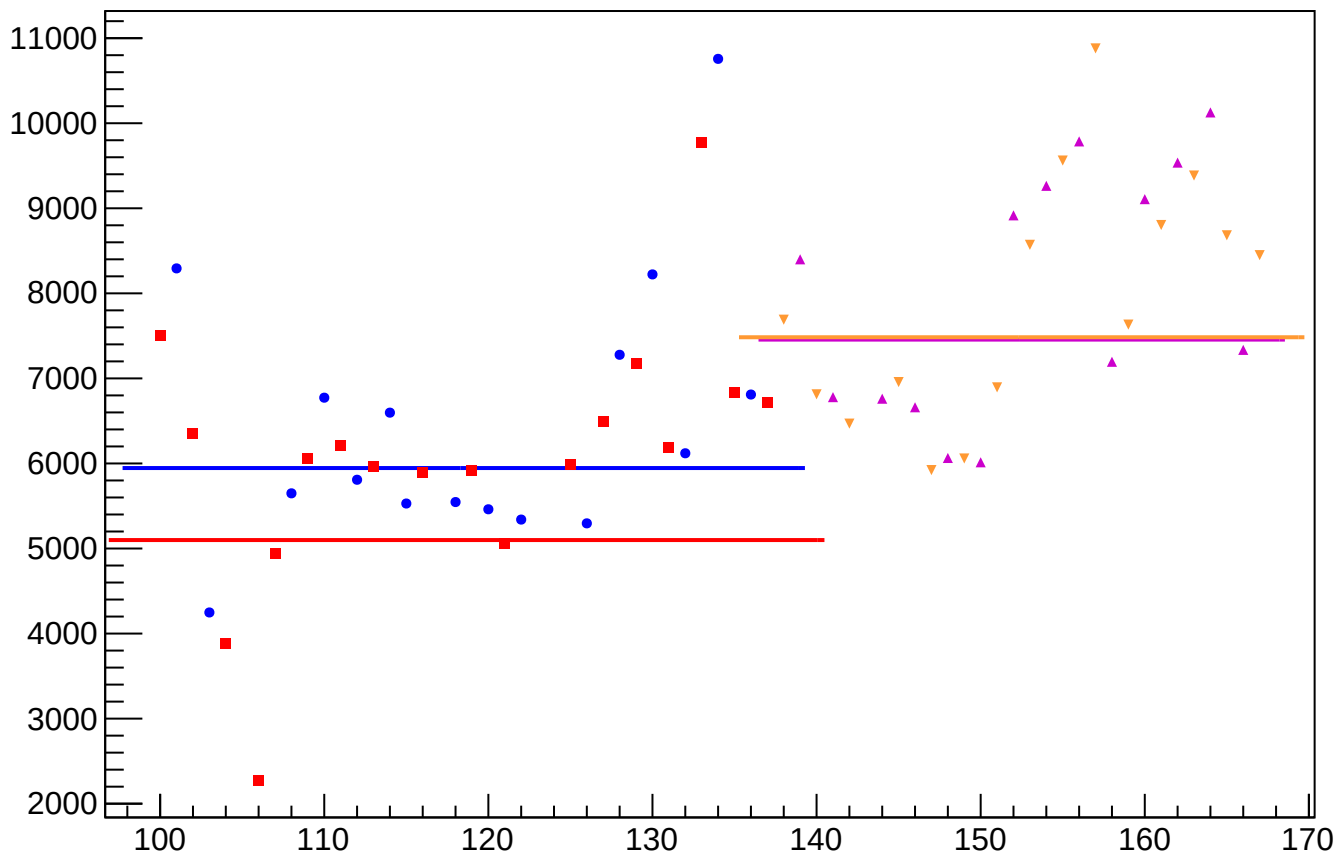
Left In: 2216.620+/-2235.685 χ^2/NDF : 8.8/13

+ sign 845.321+/-1588.419 χ^2/NDF : 33.6/30

All: 711.916+/-1088.794 χ^2/NDF : 60.8/62

- sign 593.683+/-1495.365 χ^2/NDF : 27.3/31

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: 7483.711+/-1.574 χ^2/NDF : 677296.1/14

Right Out: 5099.375+/-1.422 χ^2/NDF : 1480367.2/17

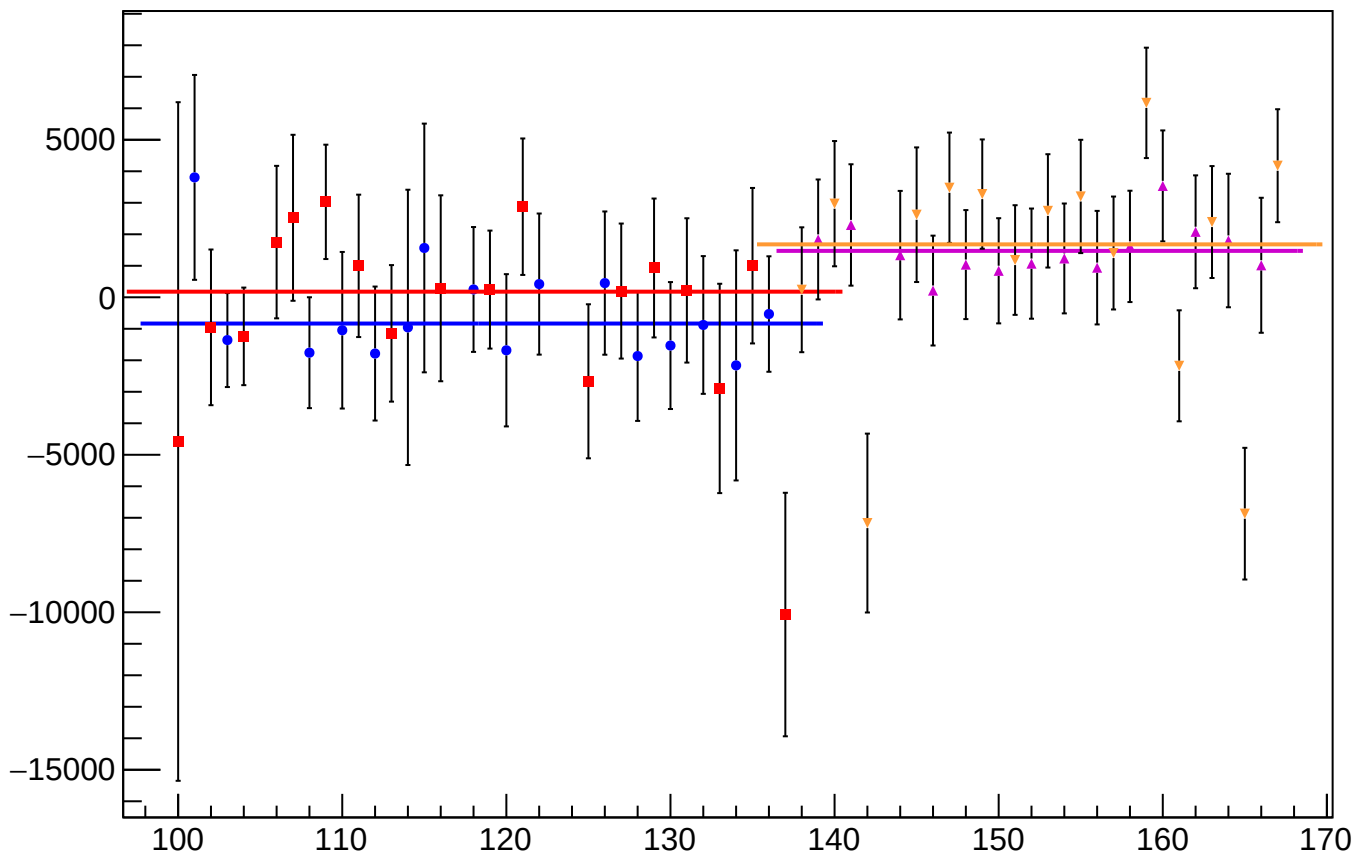
Left In: 7456.225+/-1.581 χ^2/NDF : 696040.4/13

+ sign 6729.514+/-1.123 χ^2/NDF : 1786796.1/30

All: 6424.287+/-0.770 χ^2/NDF : 5330795.8/62

- sign 6153.774+/-1.057 χ^2/NDF : 3404700.7/31

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542 ± 554.833 χ^2/NDF : 4.6/15

Left Out: 1679.829 ± 483.772 χ^2/NDF : 44.1/14

Right Out: 178.133 ± 547.824 χ^2/NDF : 16.5/17

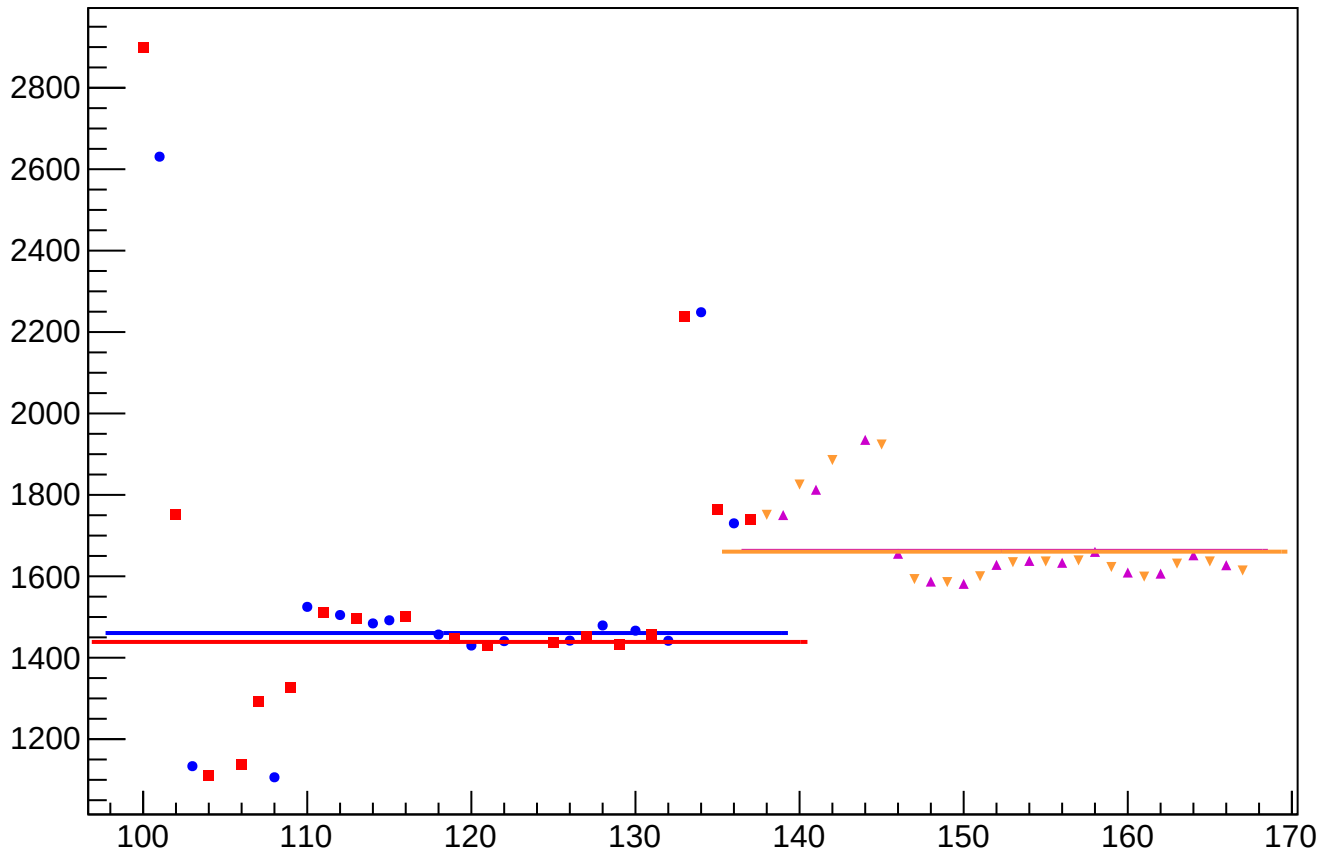
Left In: 1473.130 ± 489.989 χ^2/NDF : 2.7/13

+ sign 594.306 ± 364.631 χ^2/NDF : 60.4/30

All: 745.697 ± 258.040 χ^2/NDF : 82.9/62

- sign 897.574 ± 365.216 χ^2/NDF : 22.2/31

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653 $\pm$ 0.392 χ^2 /NDF: 575736.3/15

Left Out: 1660.545 $\pm$ 0.342 χ^2 /NDF: 76469.8/14

Right Out: 1438.764 $\pm$ 0.386 χ^2 /NDF: 373375.6/17

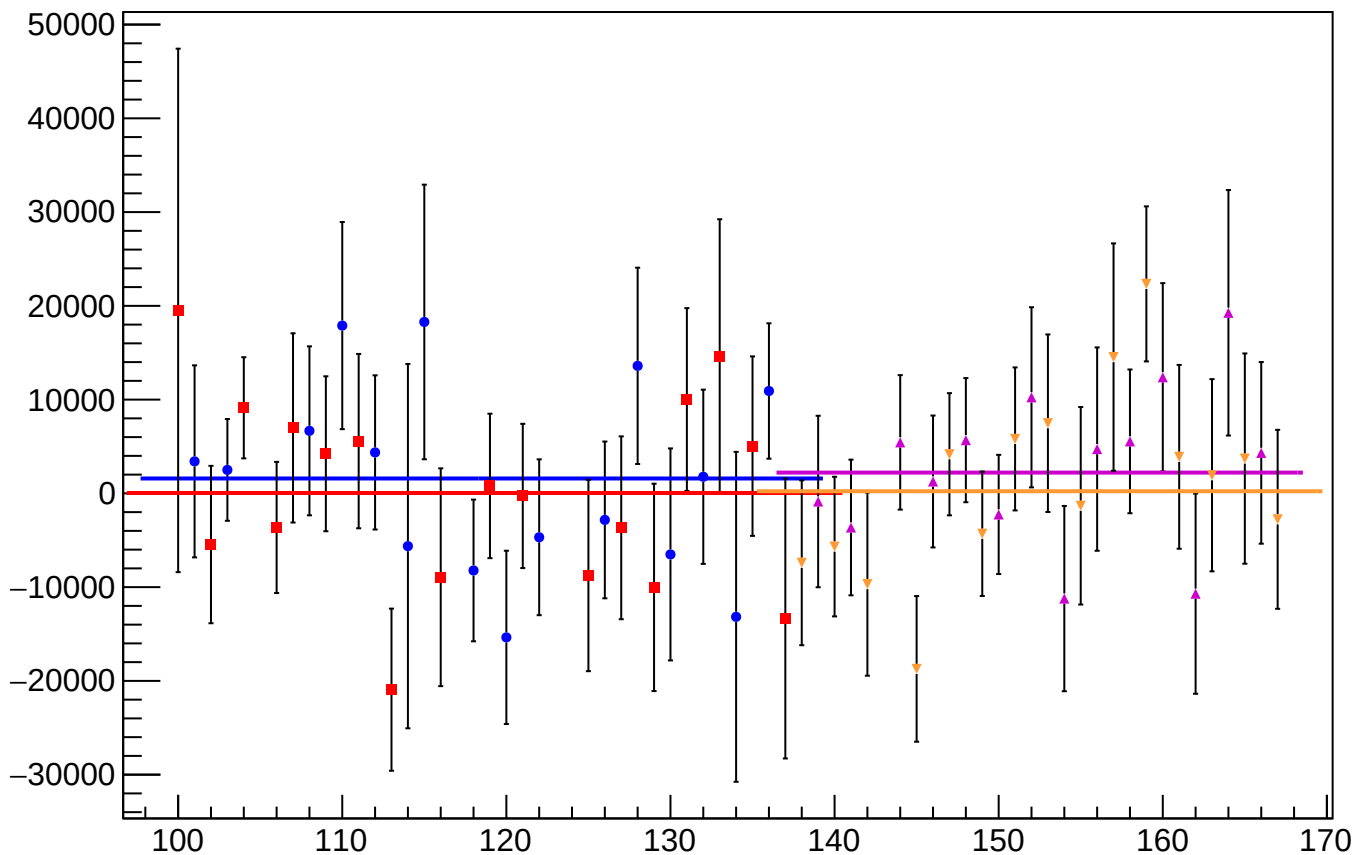
Left In: 1662.487 $\pm$ 0.346 χ^2 /NDF: 66784.8/13

+ sign 1574.212 $\pm$ 0.258 χ^2 /NDF: 799681.3/30

All: 1568.510 $\pm$ 0.182 χ^2 /NDF: 1426600.6/62

- sign 1562.801 $\pm$ 0.258 χ^2 /NDF: 625940.6/31

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: 1588.655+/-2264.260 χ^2/NDF : 14.2/15

Left Out: 227.178+/-2225.306 χ^2/NDF : 19.2/14

Right Out: 40.643+/-2133.039 χ^2/NDF : 16.5/17

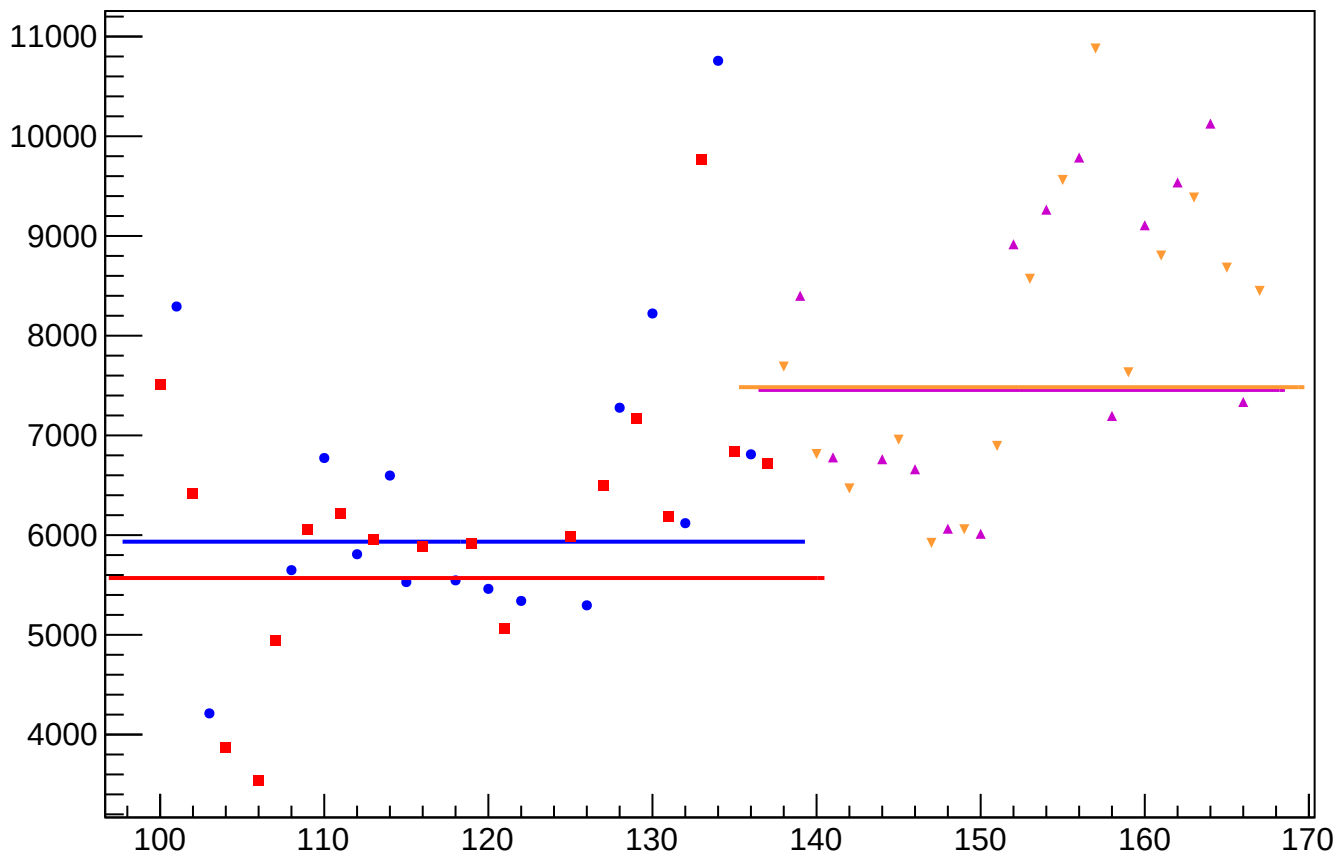
Left In: 2216.676+/-2235.684 χ^2/NDF : 8.8/13

+ sign 896.104+/-1587.122 χ^2/NDF : 33.6/30

All: 989.373+/-1106.445 χ^2/NDF : 59.4/62

- sign 1077.561+/-1543.298 χ^2/NDF : 25.7/31

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209 $\pm$ 1.601 χ^2/NDF : 653082.9/15

Left Out: 7483.709 $\pm$ 1.574 χ^2/NDF : 677297.3/14

Right Out: 5569.606 $\pm$ 1.508 χ^2/NDF : 724048.8/17

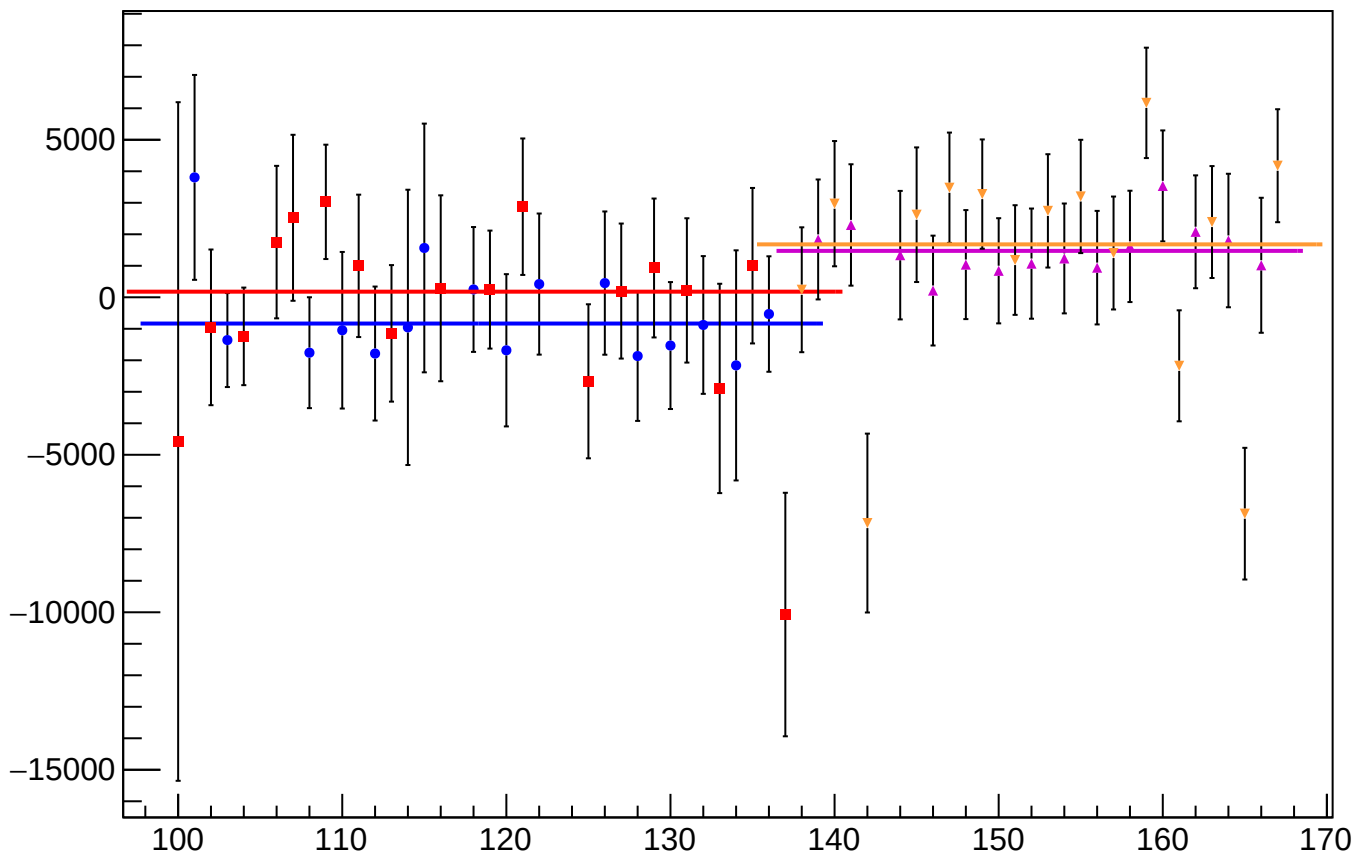
Left In: 7456.219 $\pm$ 1.581 χ^2/NDF : 696043.0/13

+ sign 6722.402 $\pm$ 1.122 χ^2/NDF : 1806813.0/30

All: 6591.954 $\pm$ 0.782 χ^2/NDF : 3998741.3/62

- sign 6468.610 $\pm$ 1.091 χ^2/NDF : 2165642.3/31

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: 1679.829 ± 483.772 χ^2/NDF : 44.1/14

Right Out: 178.133 ± 547.824 χ^2/NDF : 16.5/17

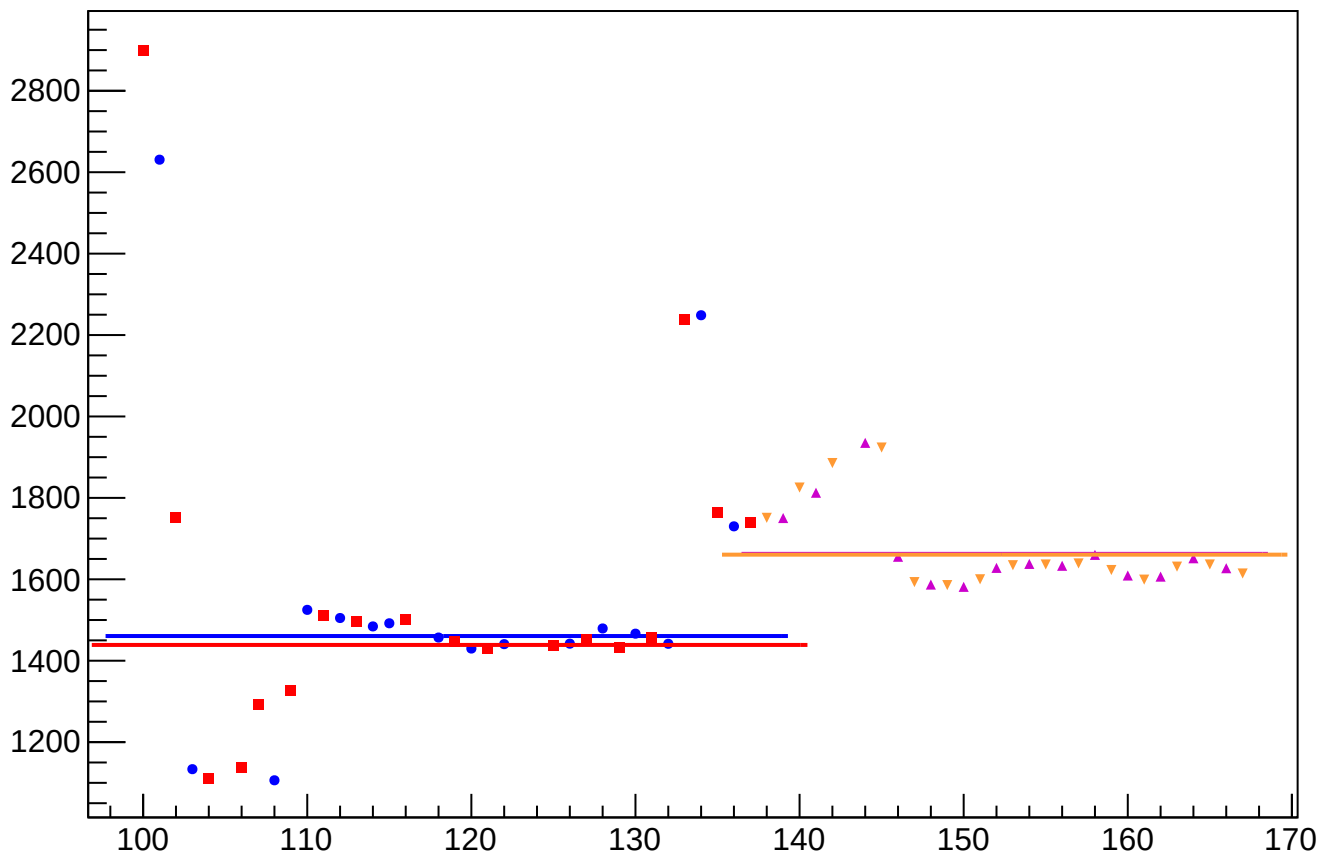
Left In: 1473.130 ± 489.989 χ^2/NDF : 2.7/13

+ sign 594.306 ± 364.631 χ^2/NDF : 60.4/30

All: 745.697 ± 258.040 χ^2/NDF : 82.9/62

- sign 897.574 ± 365.216 χ^2/NDF : 22.2/31

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: 1660.545+/-0.342 χ^2/NDF : 76469.8/14

Right Out: 1438.764+/-0.386 χ^2/NDF : 373375.6/17

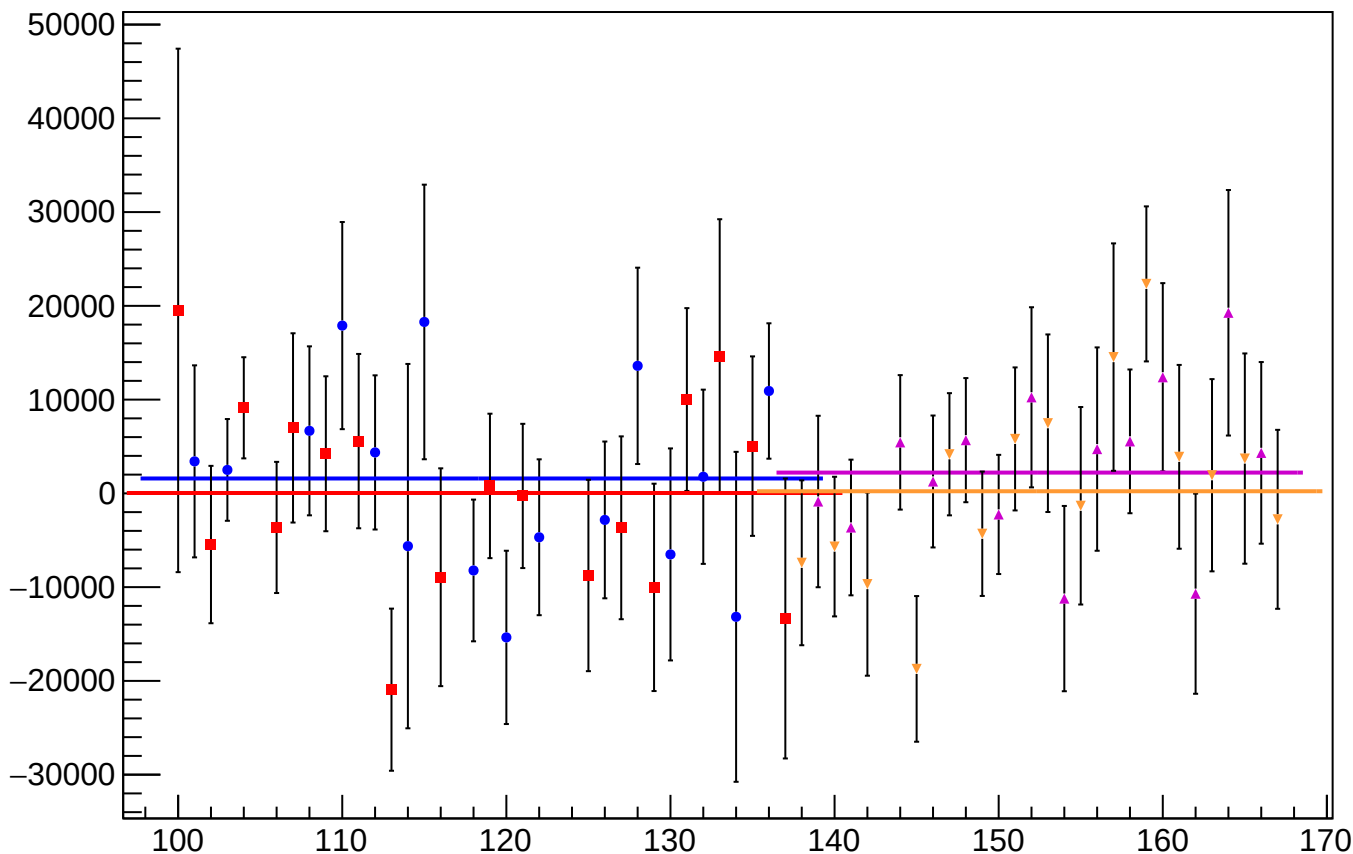
Left In: 1662.487+/-0.346 χ^2/NDF : 66784.8/13

+ sign 1574.212+/-0.258 χ^2/NDF : 799681.3/30

All: 1568.510+/-0.182 χ^2/NDF : 1426600.6/62

- sign 1562.801+/-0.258 χ^2/NDF : 625940.6/31

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 1588.655+/-2264.260 χ^2/NDF : 14.2/15

Left Out: 227.178+/-2225.306 χ^2/NDF :19.2/14

Right Out: 40.643+/-2133.039 χ^2/NDF : 16.5/17

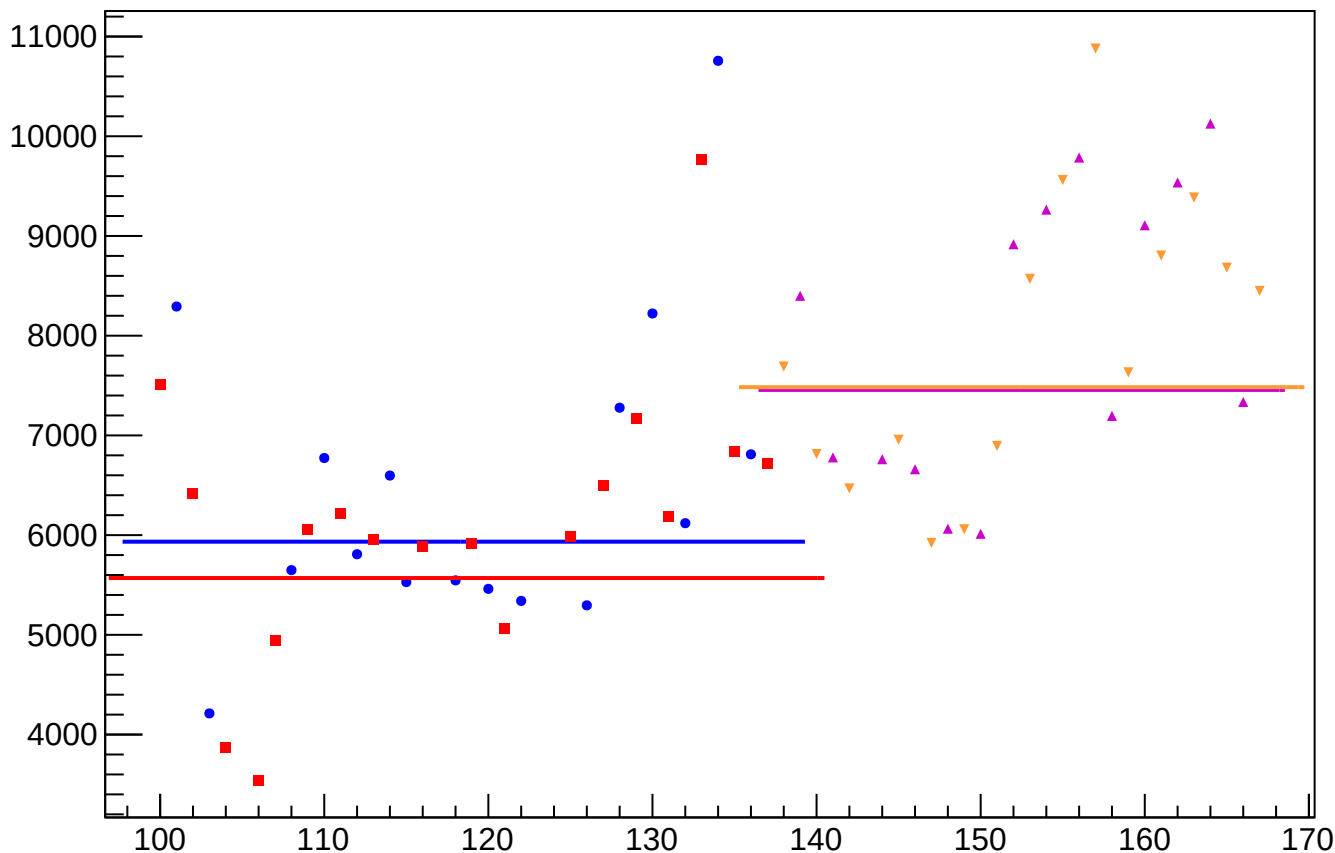
Left In: 2216.676+/-2235.684 χ^2/NDF :8.8/13

+ sign 896.104+/-1587.122 χ^2/NDF : 33.6/30

All: 989.373+/-1106.445 χ^2/NDF : 59.4/62

- sign 1077.561+/-1543.298 χ^2/NDF : 25.7/31

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: 7483.709+/-1.574 χ^2/NDF : 677297.3/14

Right Out: 5569.606+/-1.508 χ^2/NDF : 724048.8/17

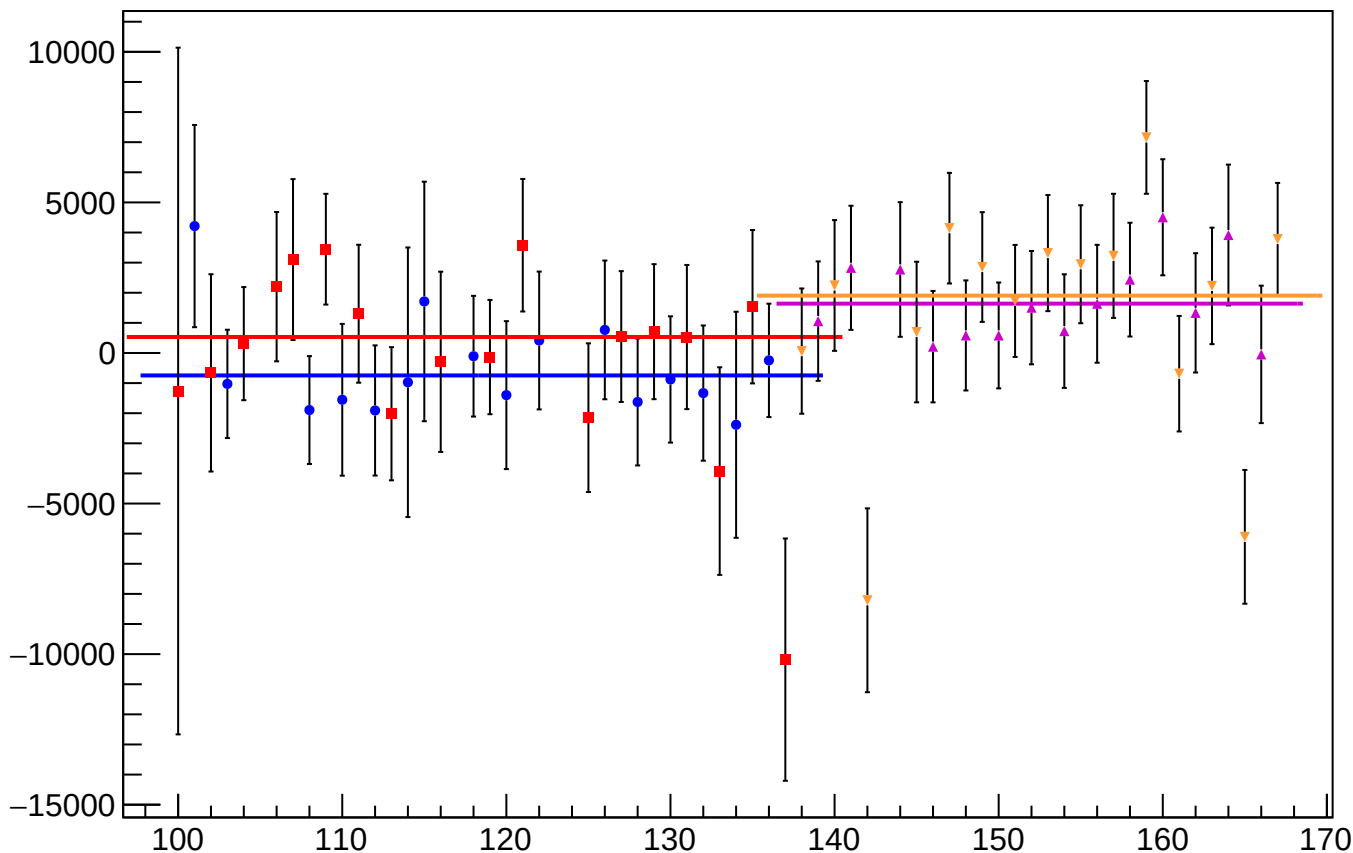
Left In: 7456.219+/-1.581 χ^2/NDF : 696043.0/13

+ sign 6722.402+/-1.122 χ^2/NDF : 1806813.0/30

All: 6591.954+/-0.782 χ^2/NDF : 3998741.3/62

- sign 6468.610+/-1.091 χ^2/NDF : 2165642.3/31

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914 ± 578.071 $\chi^2/\text{NDF}: 4.8/15$

Left Out: 1904.666 ± 519.743 $\chi^2/\text{NDF}: 38.8/14$

Right Out: 531.292 ± 575.115 $\chi^2/\text{NDF}: 17.7/17$

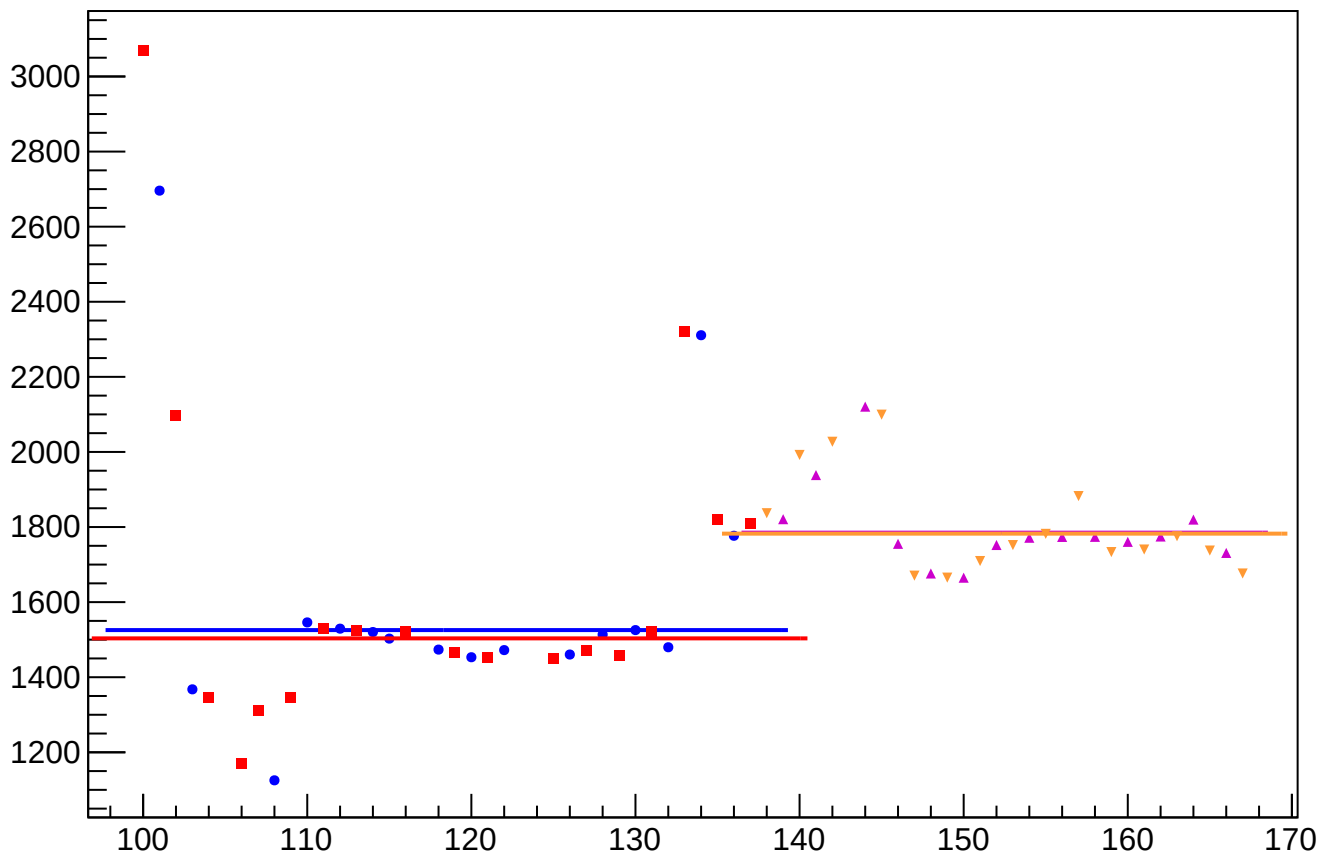
Left In: 1638.548 ± 526.399 $\chi^2/\text{NDF}: 6.1/13$

+ sign 719.807 ± 386.495 $\chi^2/\text{NDF}: 55.2/30$

All: 925.835 ± 273.930 $\chi^2/\text{NDF}: 81.6/62$

- sign 1133.794 ± 388.303 $\chi^2/\text{NDF}: 25.9/31$

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: 1782.391 $\pm$ 0.368 χ^2 /NDF: 103406.4/14

Right Out: 1503.434 $\pm$ 0.407 χ^2 /NDF: 338507.3/17

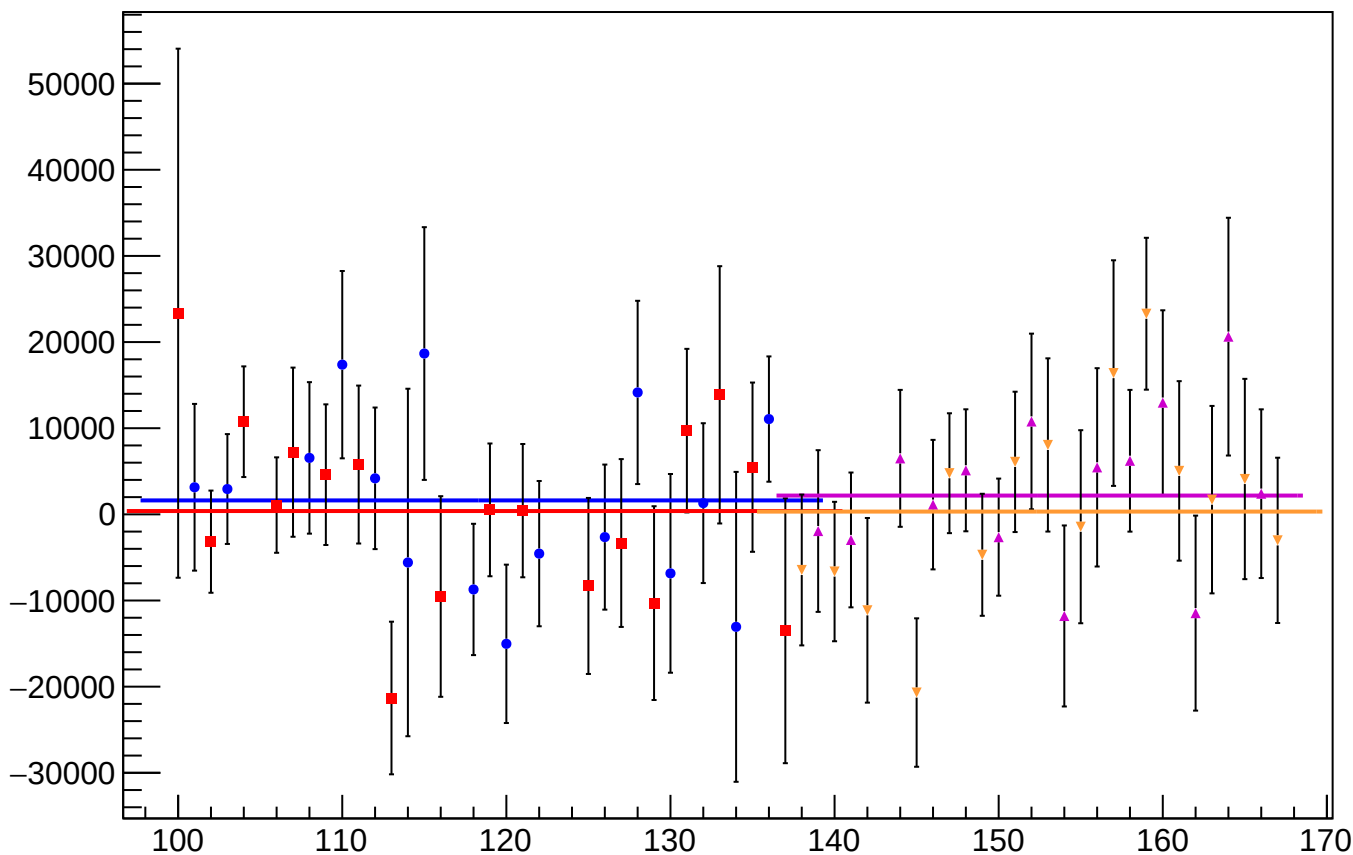
Left In: 1785.046 $\pm$ 0.372 χ^2 /NDF: 76517.2/13

+ sign 1667.572 $\pm$ 0.273 χ^2 /NDF: 810086.0/30

All: 1662.126 $\pm$ 0.194 χ^2 /NDF: 1486926.3/62

- sign 1656.630 $\pm$ 0.275 χ^2 /NDF: 676042.4/31

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: 323.411 $\pm$ 2365.960 χ^2 /NDF:19.2/14

Right Out: 385.942 $\pm$ 2060.867 χ^2 /NDF: 16.0/17

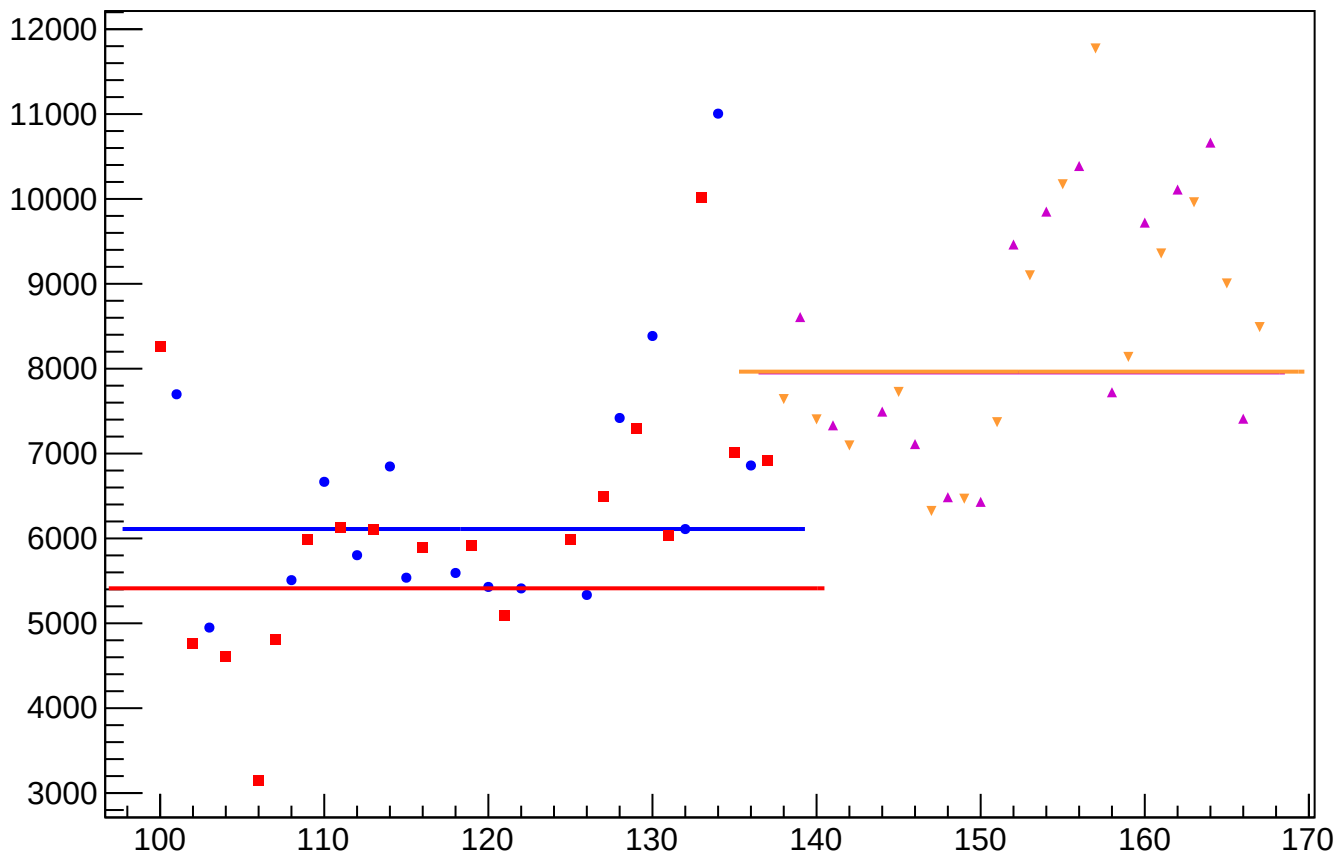
Left In: 2182.546 $\pm$ 2383.642 χ^2 /NDF:8.7/13

+ sign 984.442 $\pm$ 1656.510 χ^2 /NDF: 33.6/30

All: 1074.600 $\pm$ 1135.279 χ^2 /NDF: 58.6/62

- sign 1154.453 $\pm$ 1558.978 χ^2 /NDF: 25.0/31

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037 $\pm$ 1.641 χ^2 /NDF: 471661.4/15

Left Out: 7965.061 $\pm$ 1.673 χ^2 /NDF: 636417.1/14

Right Out: 5412.276 $\pm$ 1.457 χ^2 /NDF: 821530.3/17

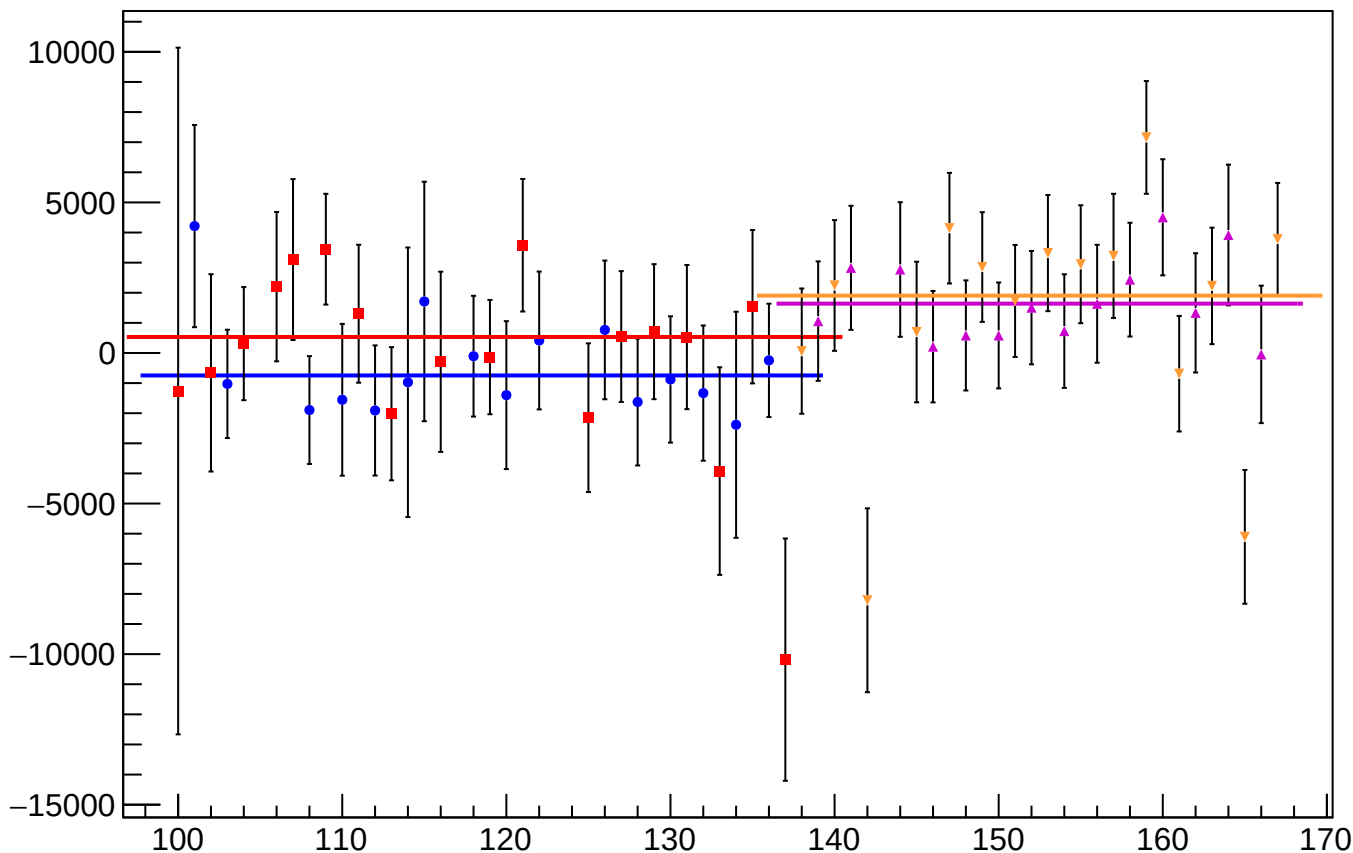
Left In: 7955.789 $\pm$ 1.685 χ^2 /NDF: 650795.9/13

+ sign 7019.879 $\pm$ 1.171 χ^2 /NDF: 1734181.7/30

All: 6744.336 $\pm$ 0.803 χ^2 /NDF: 4614013.7/62

- sign 6500.284 $\pm$ 1.102 χ^2 /NDF: 2775480.8/31

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: 1904.675+/-519.744 χ^2/NDF :38.8/14

Right Out: 531.302+/-575.115 χ^2/NDF : 17.7/17

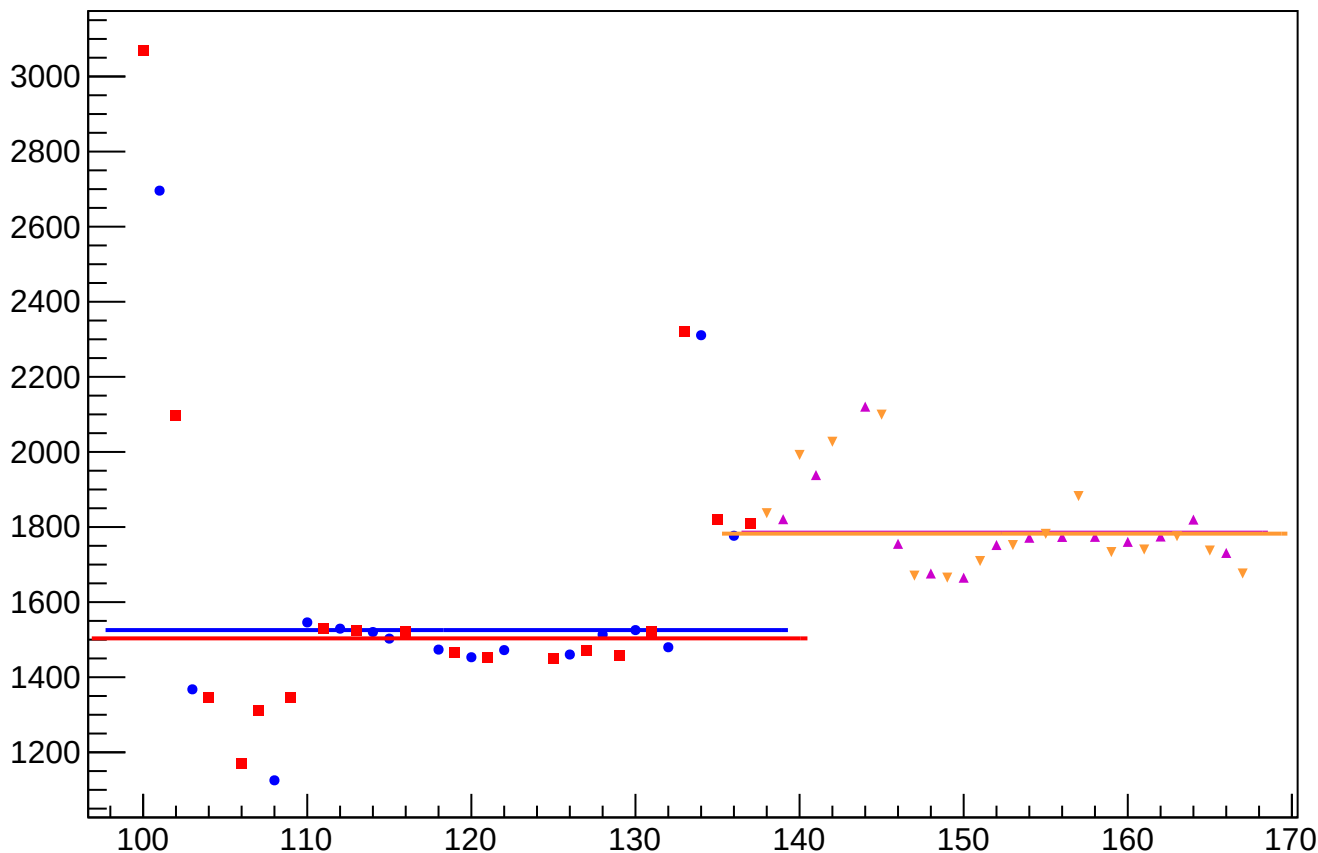
Left In: 1638.548+/-526.400 χ^2/NDF :6.1/13

+ sign 719.808+/-386.495 χ^2/NDF : 55.2/30

All: 925.837+/-273.930 χ^2/NDF : 81.6/62

- sign 1133.798+/-388.303 χ^2/NDF : 25.9/31

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: 1782.394 $\pm$ 0.368 χ^2 /NDF: 103407.3/14

Right Out: 1503.435 $\pm$ 0.407 χ^2 /NDF: 338507.7/17

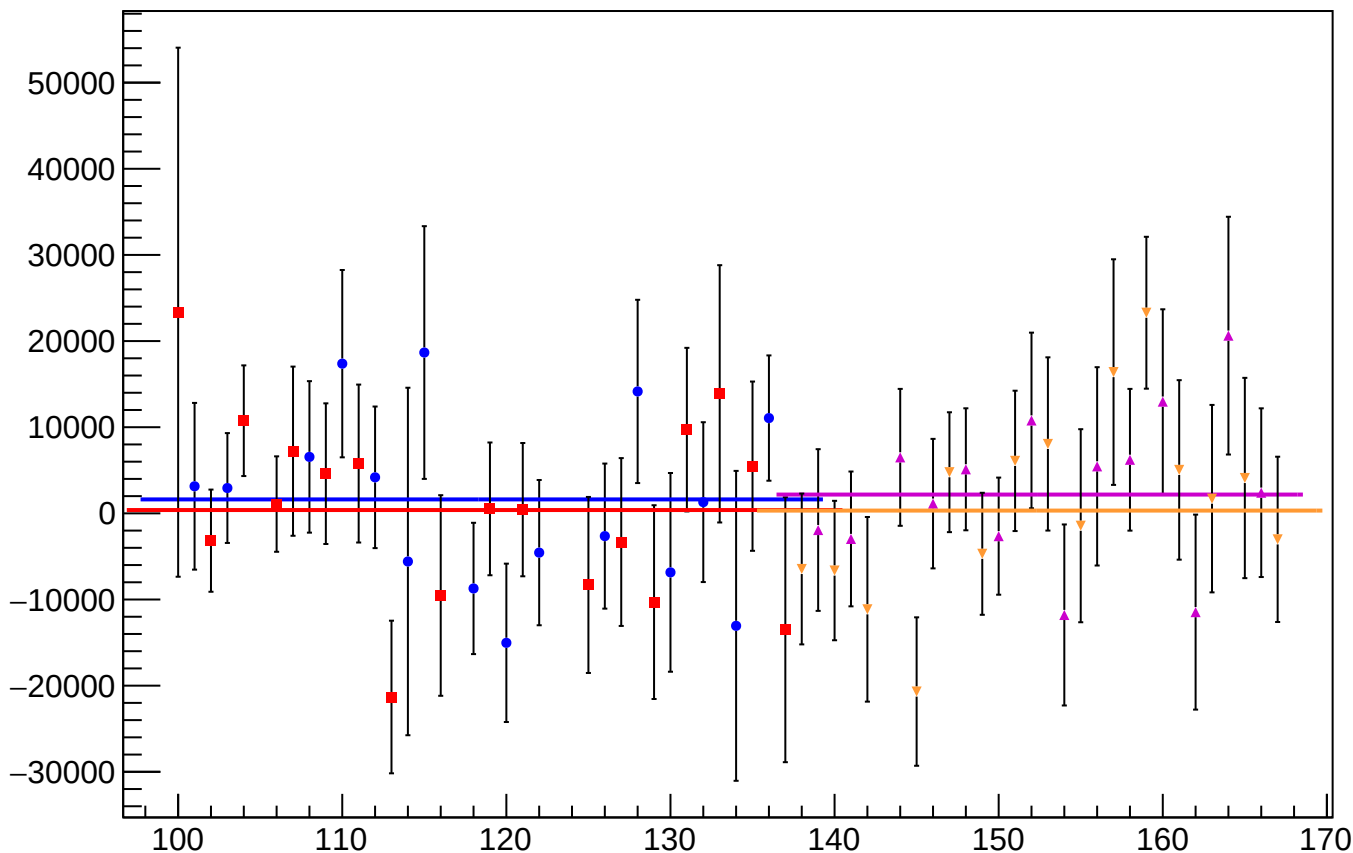
Left In: 1785.049 $\pm$ 0.372 χ^2 /NDF: 76517.6/13

+ sign 1667.574 $\pm$ 0.273 χ^2 /NDF: 810091.4/30

All: 1662.127 $\pm$ 0.194 χ^2 /NDF: 1486937.4/62

- sign 1656.631 $\pm$ 0.275 χ^2 /NDF: 676048.1/31

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: 323.414 $\pm$ 2365.964 χ^2 /NDF:19.2/14

Right Out: 385.948 $\pm$ 2060.863 χ^2 /NDF: 16.0/17

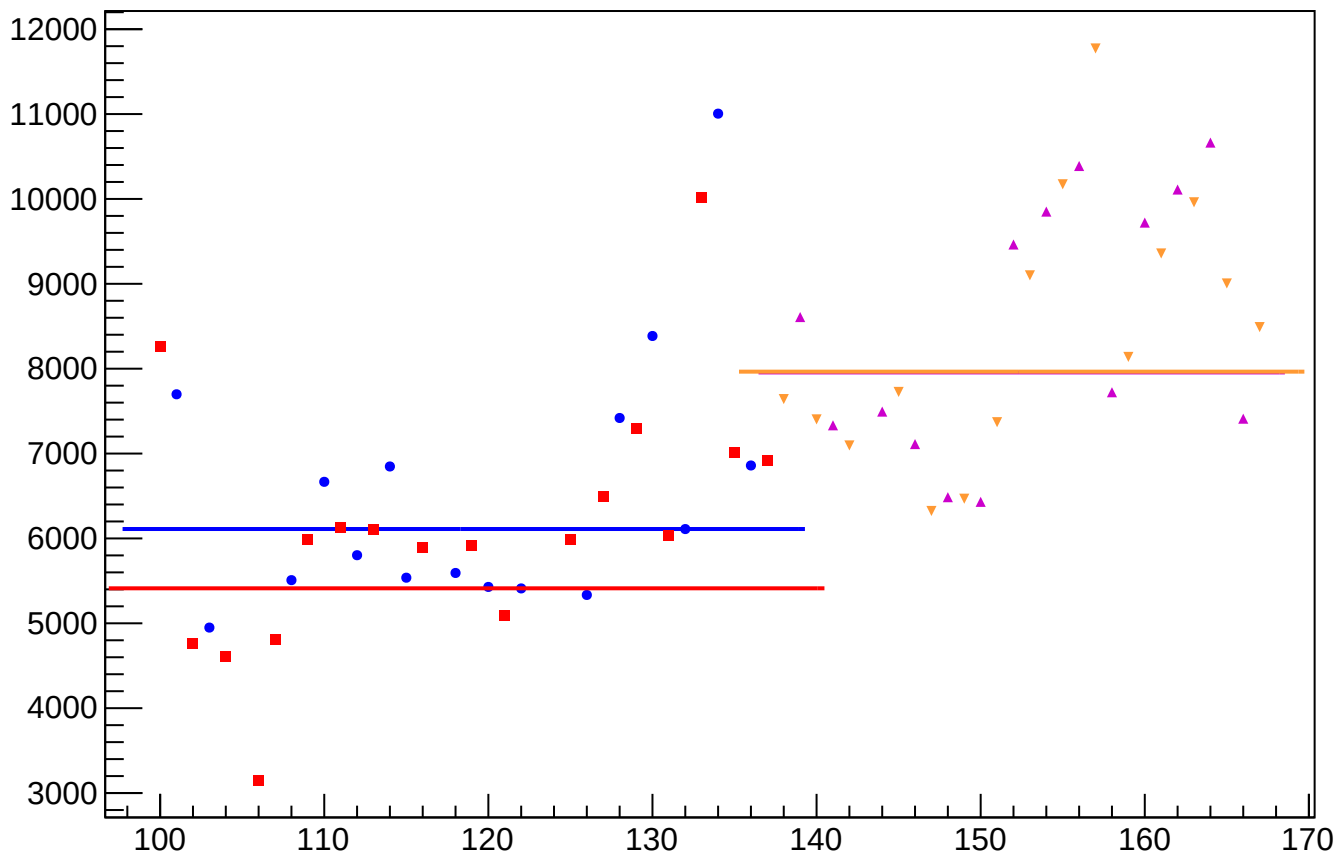
Left In: 2182.543 $\pm$ 2383.645 χ^2 /NDF:8.7/13

+ sign 984.435 $\pm$ 1656.509 χ^2 /NDF: 33.6/30

All: 1074.596 $\pm$ 1135.278 χ^2 /NDF: 58.6/62

- sign 1154.453 $\pm$ 1558.977 χ^2 /NDF: 25.0/31

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: 7965.072+/-1.673 χ^2/NDF : 636419.3/14

Right Out: 5412.265+/-1.457 χ^2/NDF : 821530.5/17

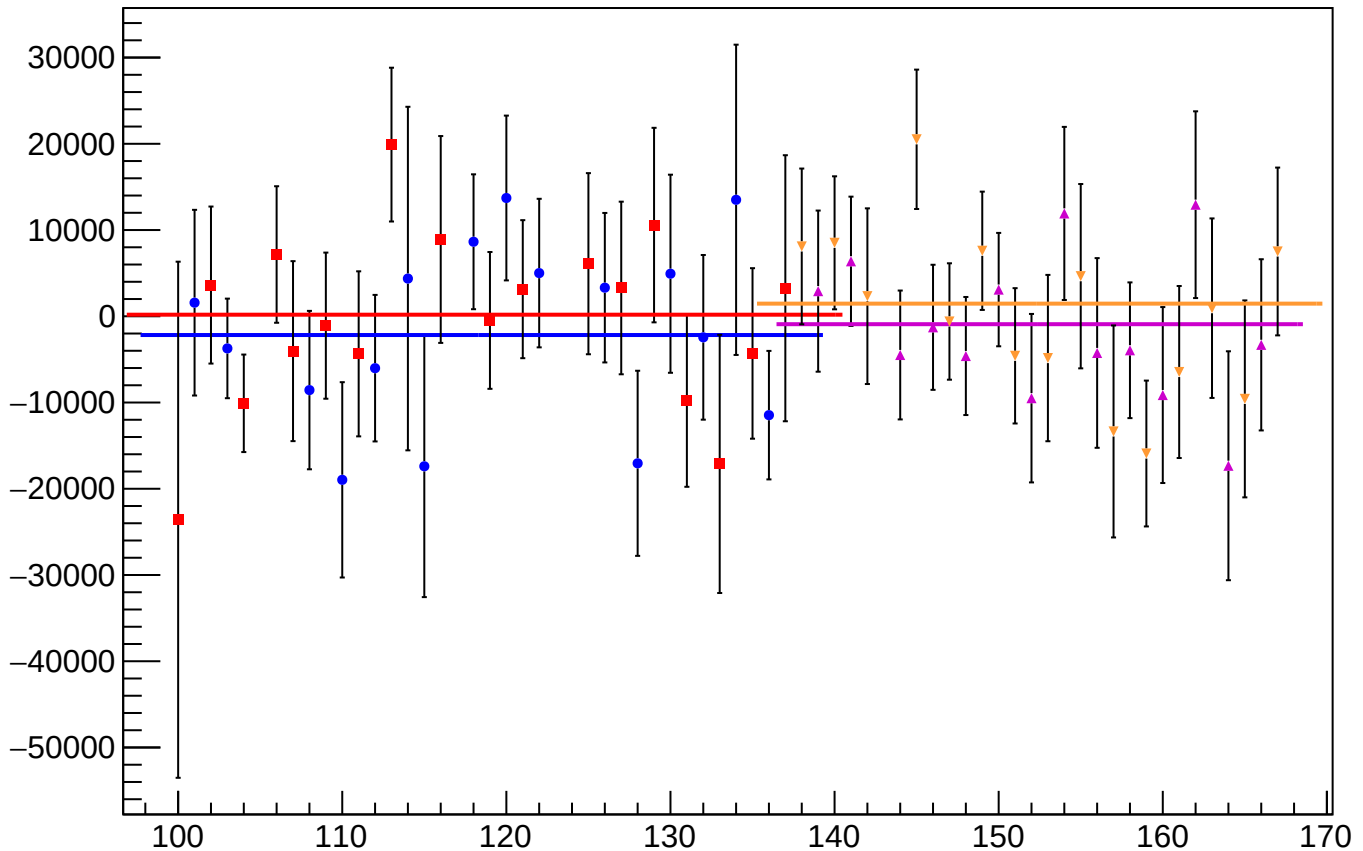
Left In: 7955.800+/-1.685 χ^2/NDF : 650797.4/13

+ sign 7019.874+/-1.171 χ^2/NDF : 1734203.3/30

All: 6744.330+/-0.803 χ^2/NDF : 4614060.5/62

- sign 6500.278+/-1.102 χ^2/NDF : 2775505.4/31

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048 ± 2347.664 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 1465.640 ± 2287.425 $\chi^2/\text{NDF}: 16.6/14$

Right Out: 183.559 ± 2228.883 $\chi^2/\text{NDF}: 14.7/17$

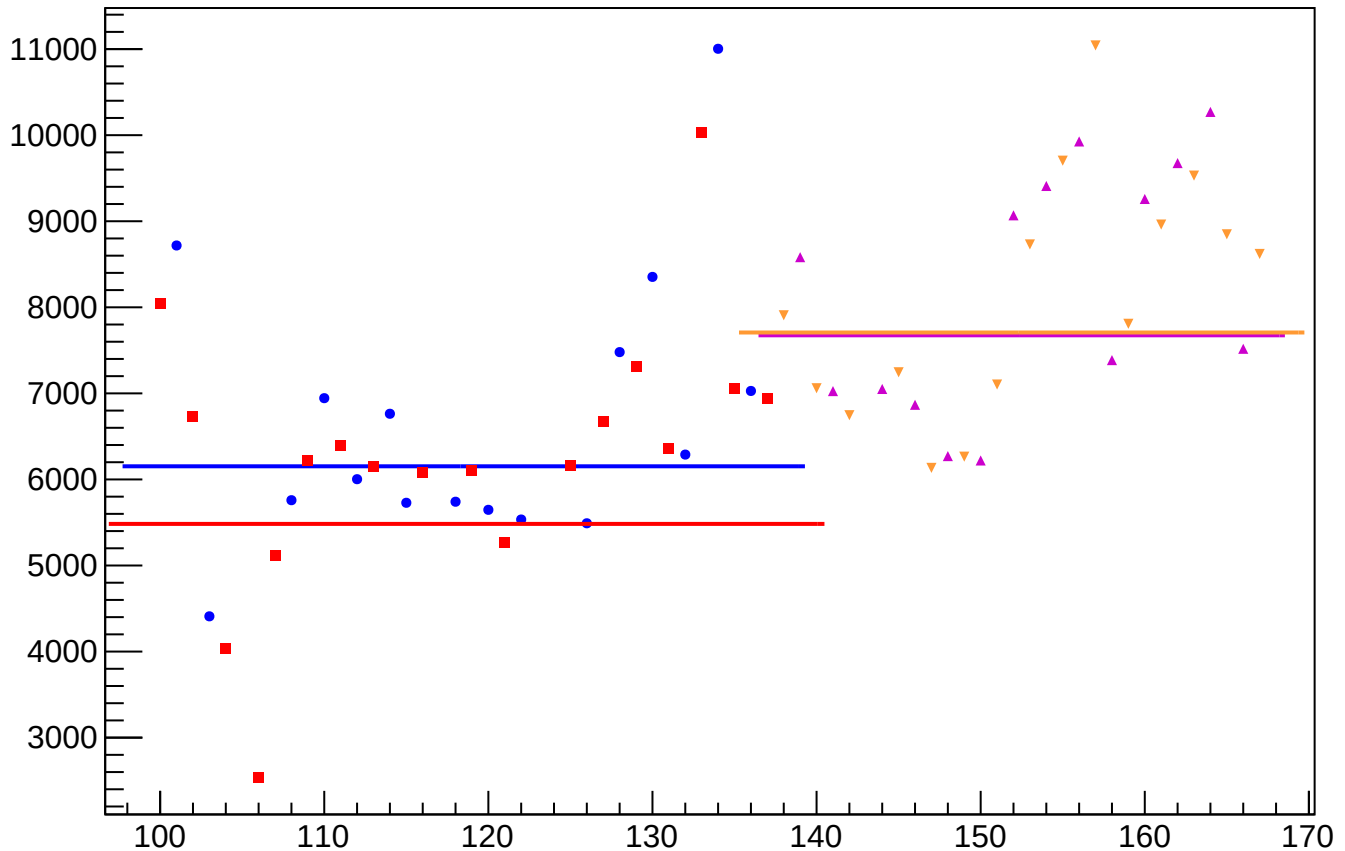
Left In: -917.588 ± 2297.336 $\chi^2/\text{NDF}: 8.5/13$

+ sign -306.910 ± 1638.336 $\chi^2/\text{NDF}: 32.4/30$

All: -329.156 ± 1144.578 $\chi^2/\text{NDF}: 55.7/62$

- sign -350.365 ± 1599.711 $\chi^2/\text{NDF}: 23.3/31$

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF : 624026.7/15

Left Out: 7707.335+/-1.617 χ^2/NDF : 618901.7/14

Right Out: 5483.337+/-1.519 χ^2/NDF : 1148712.9/17

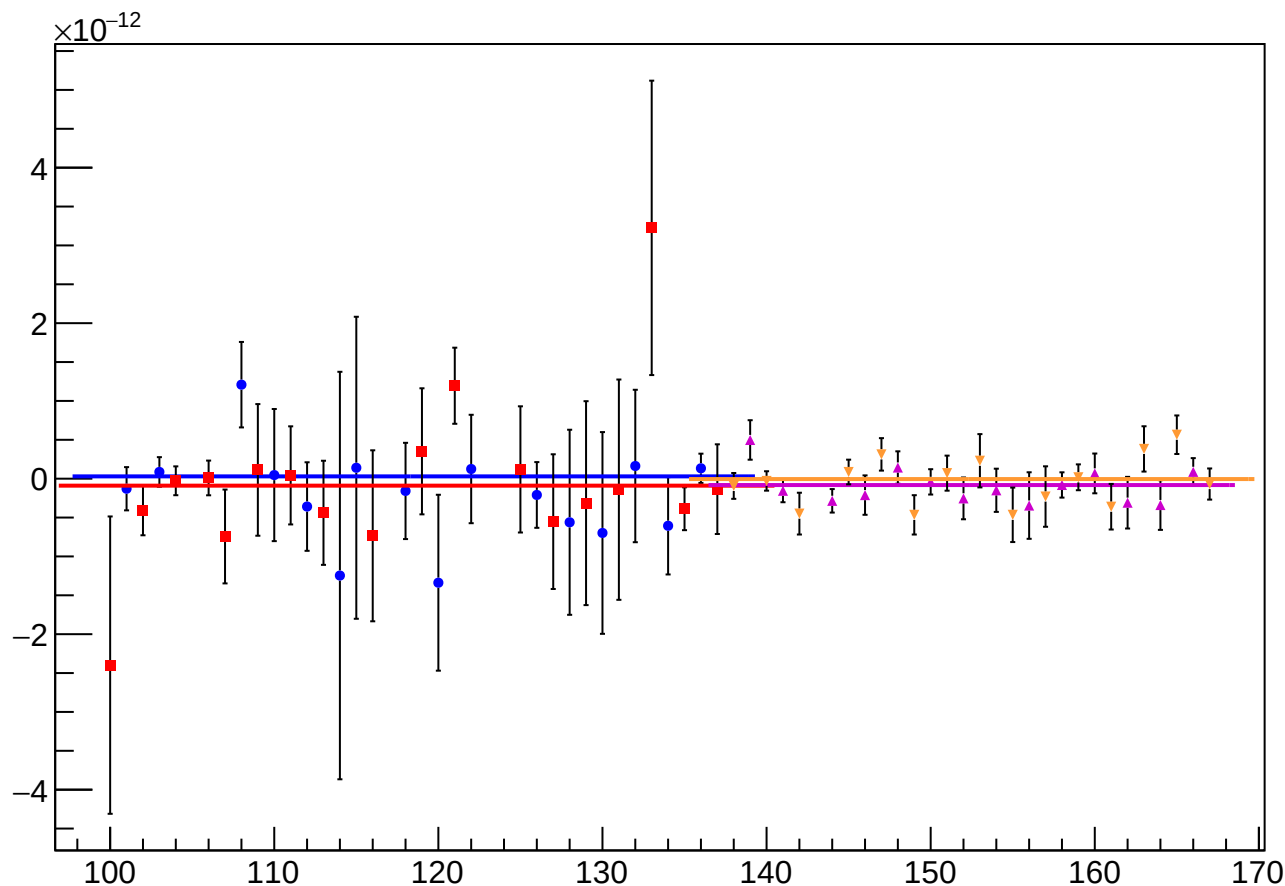
Left In: 7674.588+/-1.624 χ^2/NDF : 635179.5/13

+ sign 6950.209+/-1.158 χ^2/NDF : 1692848.8/30

All: 6718.480+/-0.801 χ^2/NDF : 4523945.8/62

- sign 6505.860+/-1.110 χ^2/NDF : 2754373.1/31

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: 20.3/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/17

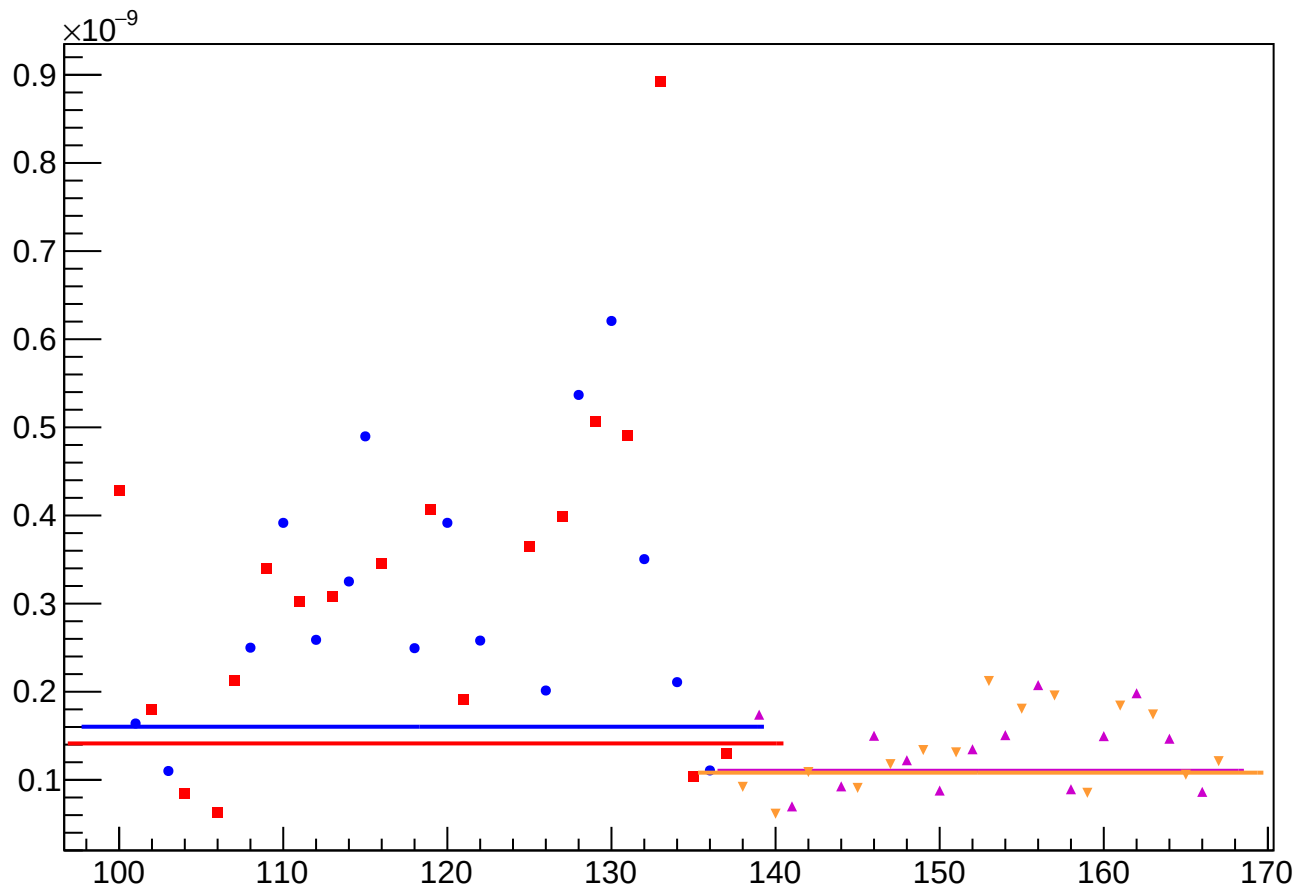
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/31

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1329606.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1022185.3/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2165946.2/17

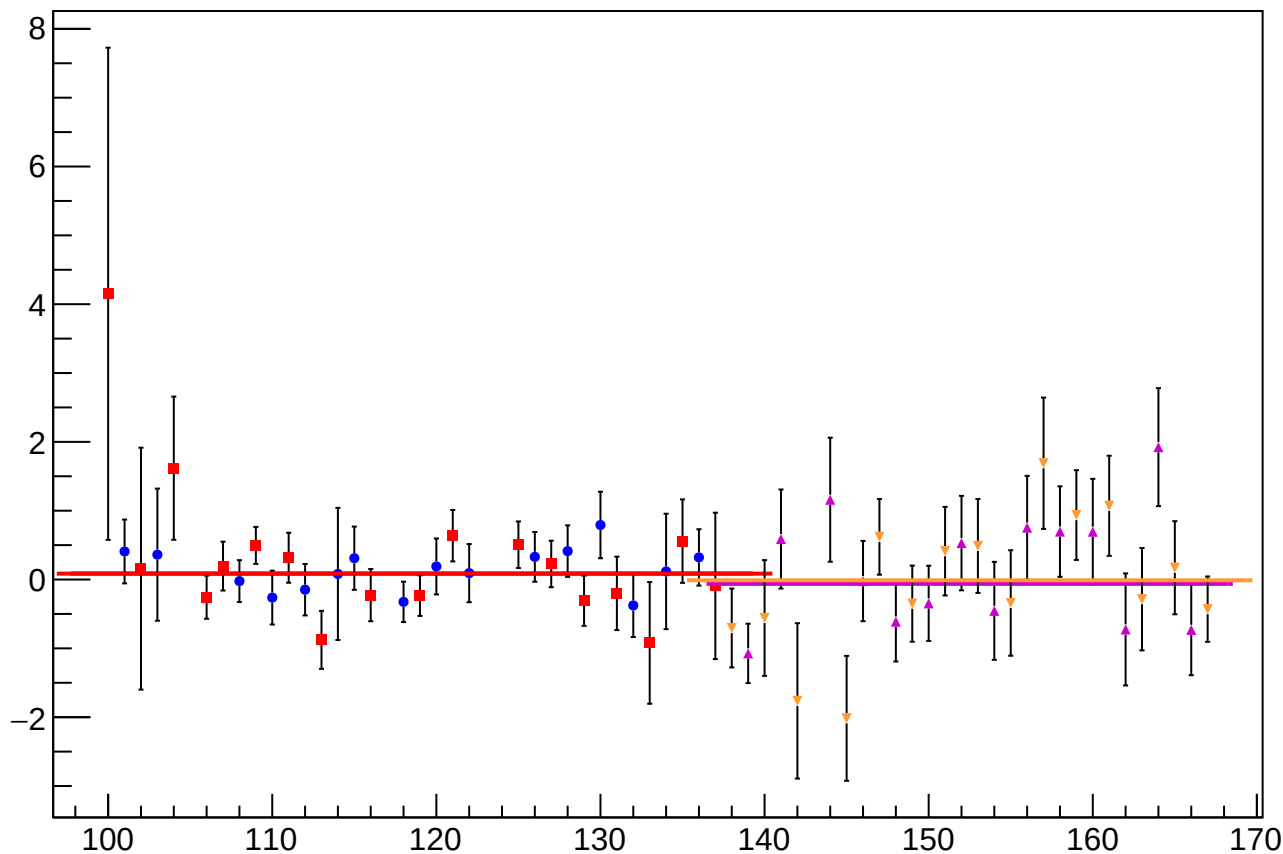
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:842024.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2747510.4/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5898096.7/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3148884.7/31

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: -0.011 ± 0.174 χ^2/NDF : 20.5/14

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

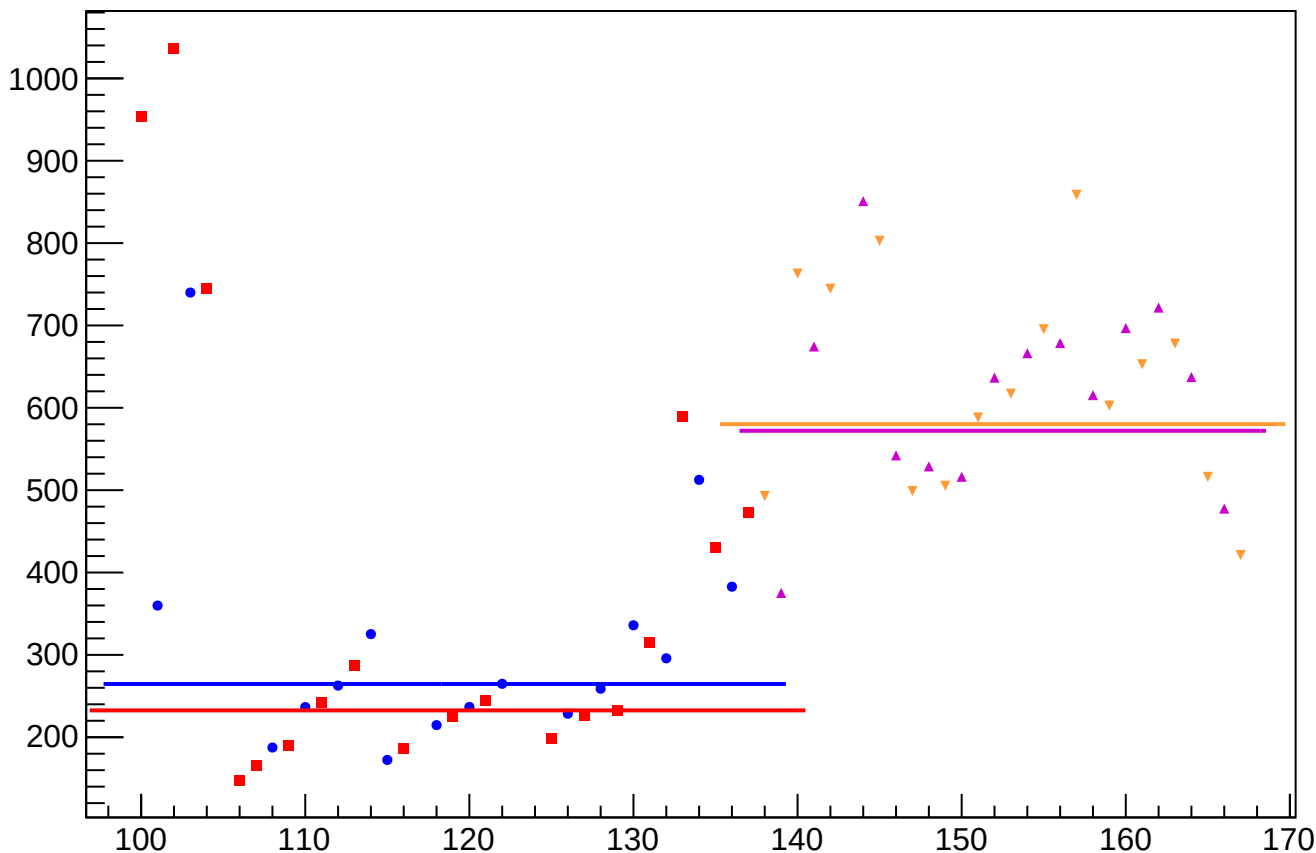
Left In: -0.063 ± 0.174 χ^2/NDF : 20.9/13

+ sign 0.061 ± 0.090 χ^2/NDF : 29.6/30

All: 0.055 ± 0.062 χ^2/NDF : 72.9/62

- sign 0.050 ± 0.085 χ^2/NDF : 43.3/31

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2/NDF : 1284007.6/15

Left Out: 580.197 $\pm$ 0.123 χ^2/NDF : 905155.0/14

Right Out: 232.596 $\pm$ 0.069 χ^2/NDF : 2032662.7/17

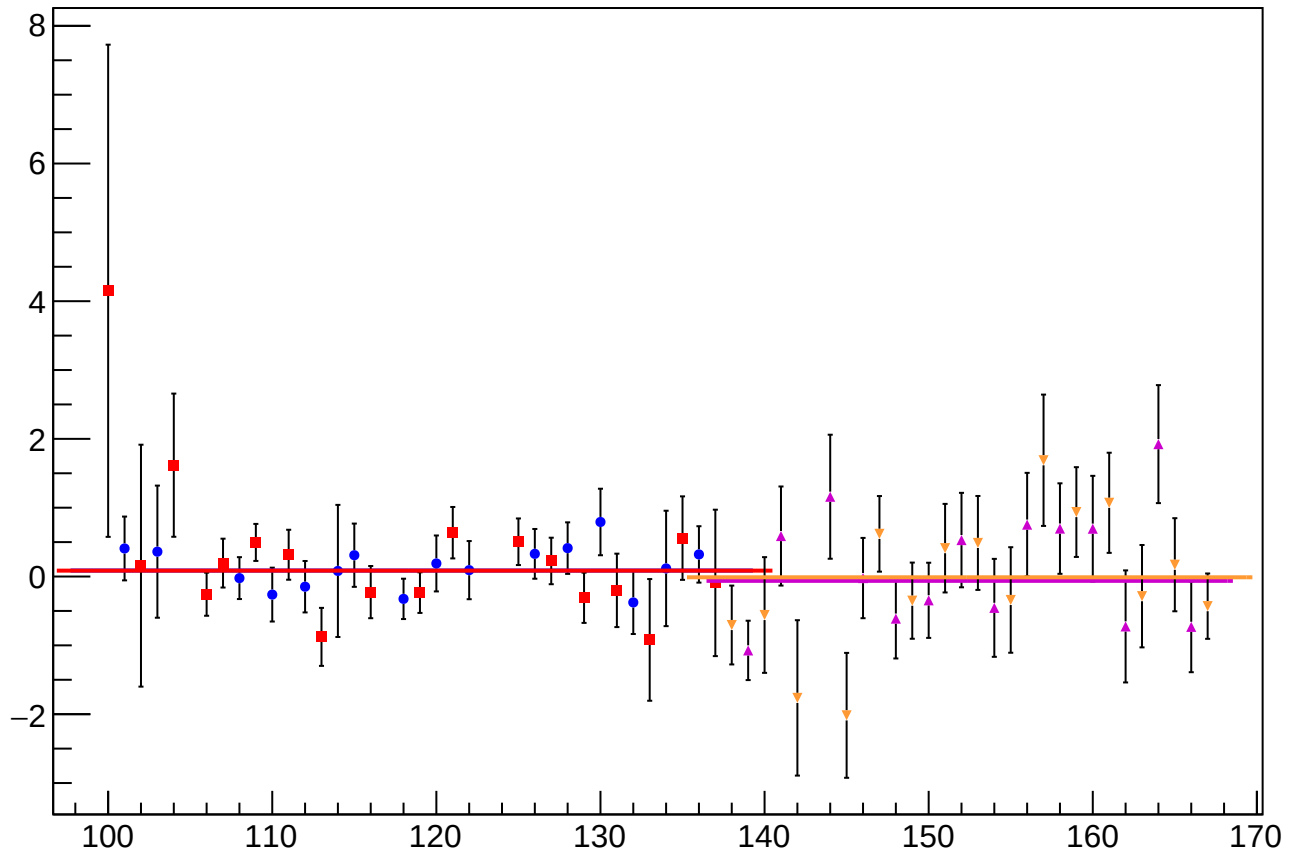
Left In: 572.108 $\pm$ 0.123 χ^2/NDF : 960751.3/13

+ sign 349.088 $\pm$ 0.064 χ^2/NDF : 7014135.6/30

All: 330.141 $\pm$ 0.044 χ^2/NDF : 15953475.2/62

- sign 313.214 $\pm$ 0.060 χ^2/NDF : 8771250.2/31

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: -0.011 ± 0.174 χ^2/NDF : 20.5/14

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

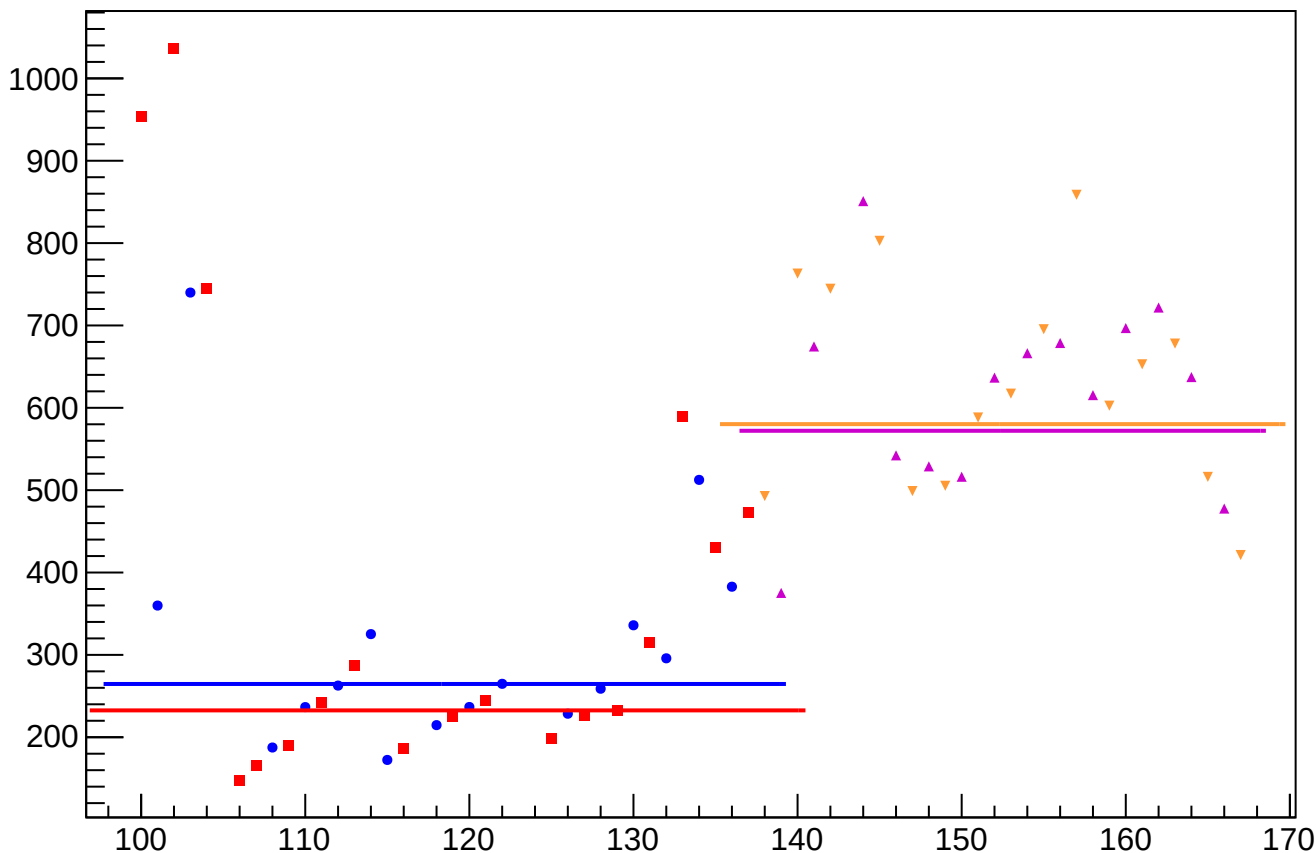
Left In: -0.063 ± 0.174 χ^2/NDF : 20.9/13

+ sign 0.061 ± 0.090 χ^2/NDF : 29.6/30

All: 0.055 ± 0.062 χ^2/NDF : 72.9/62

- sign 0.050 ± 0.085 χ^2/NDF : 43.3/31

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1284007.6/15

Left Out: 580.197 $\pm$ 0.123 χ^2 /NDF: 905155.0/14

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032662.7/17

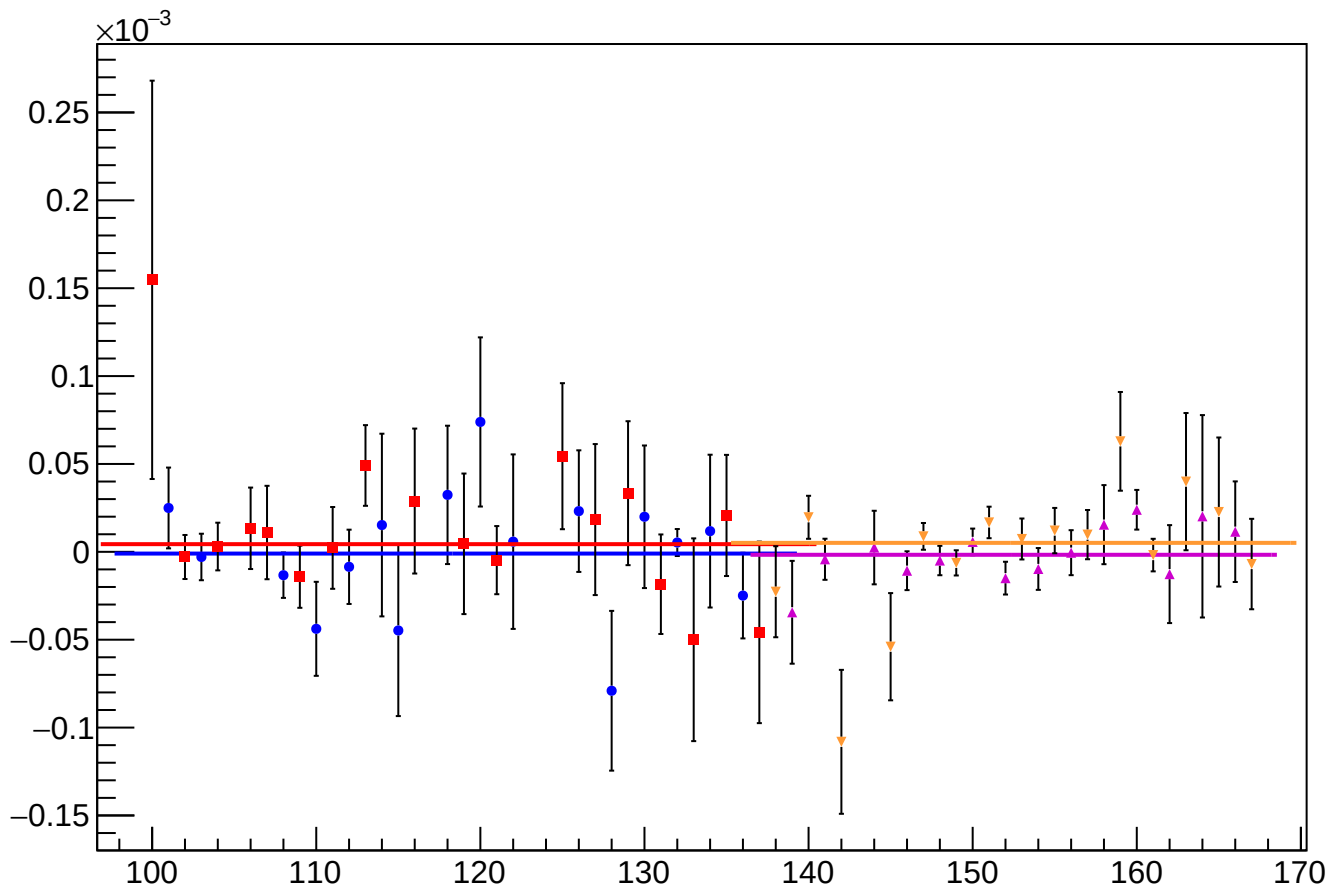
Left In: 572.108 $\pm$ 0.123 χ^2 /NDF: 960751.3/13

+ sign 349.088 $\pm$ 0.064 χ^2 /NDF: 7014135.6/30

All: 330.141 $\pm$ 0.044 χ^2 /NDF: 15953475.2/62

- sign 313.214 $\pm$ 0.060 χ^2 /NDF: 8771250.2/31

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:24.8/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

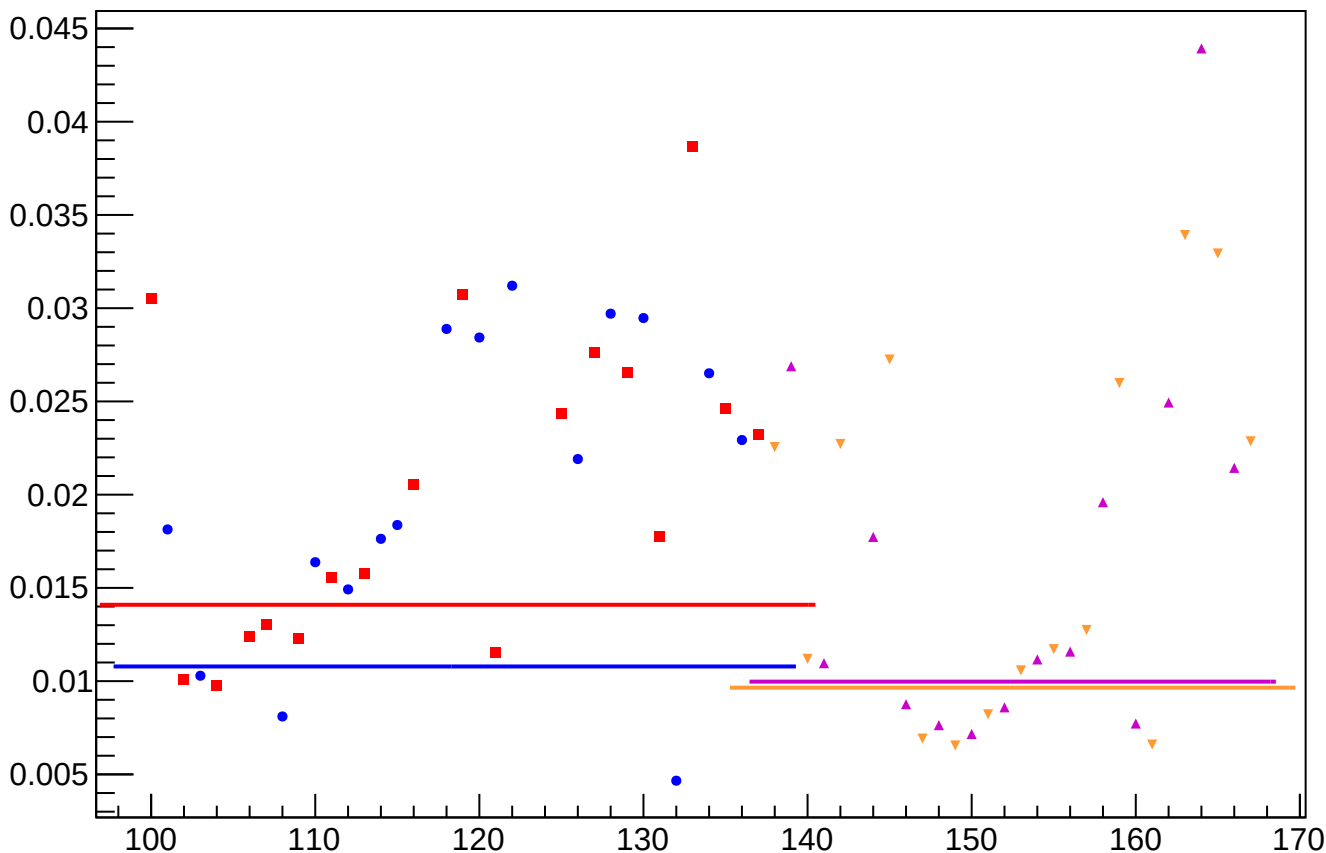
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.2/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.2/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/31

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 4580054.6/15

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 5037852.0/14

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2084942.5/17

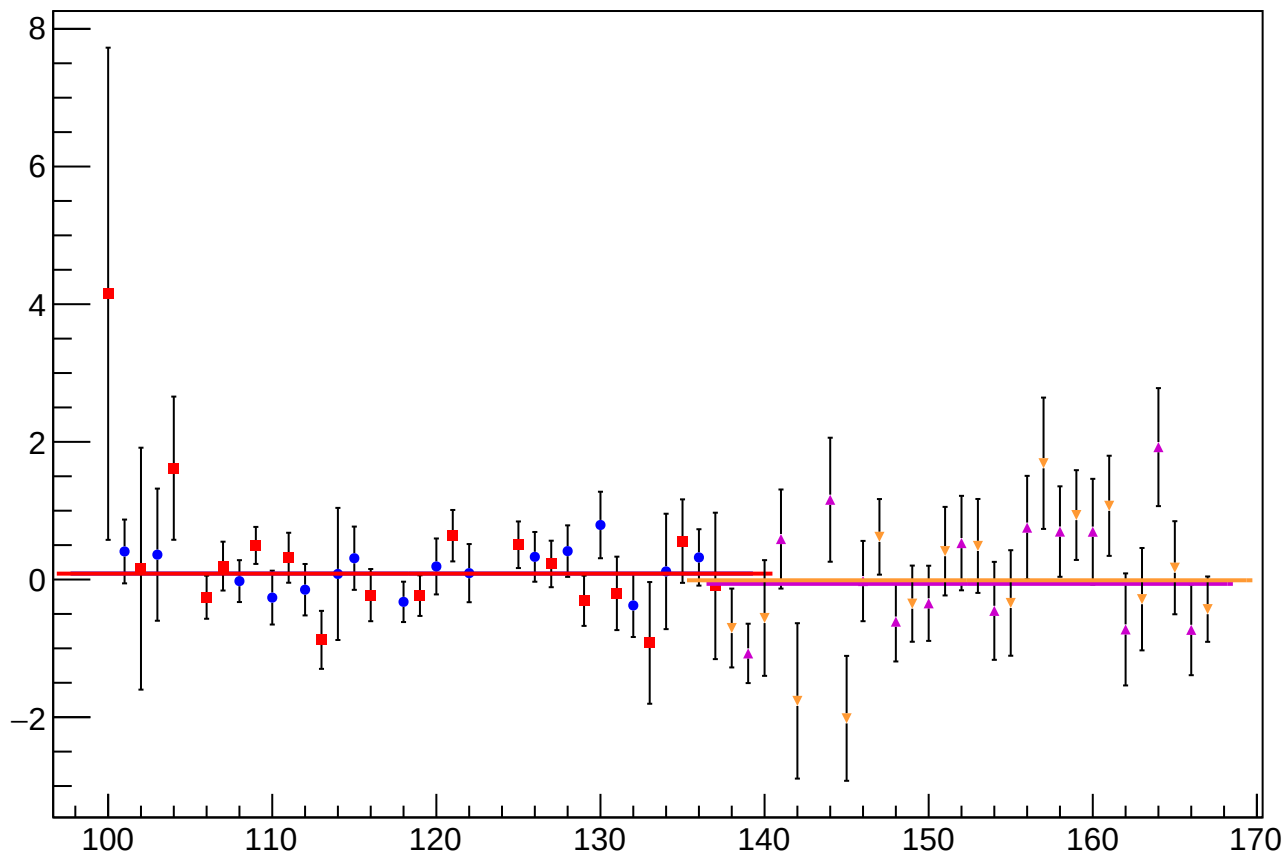
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 3545327.6/13

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 9690916.5/30

All: 0.010 $\pm$ 0.000 χ^2/NDF : 16225151.7/62

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 6399187.9/31

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: -0.011 ± 0.174 χ^2/NDF : 20.5/14

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

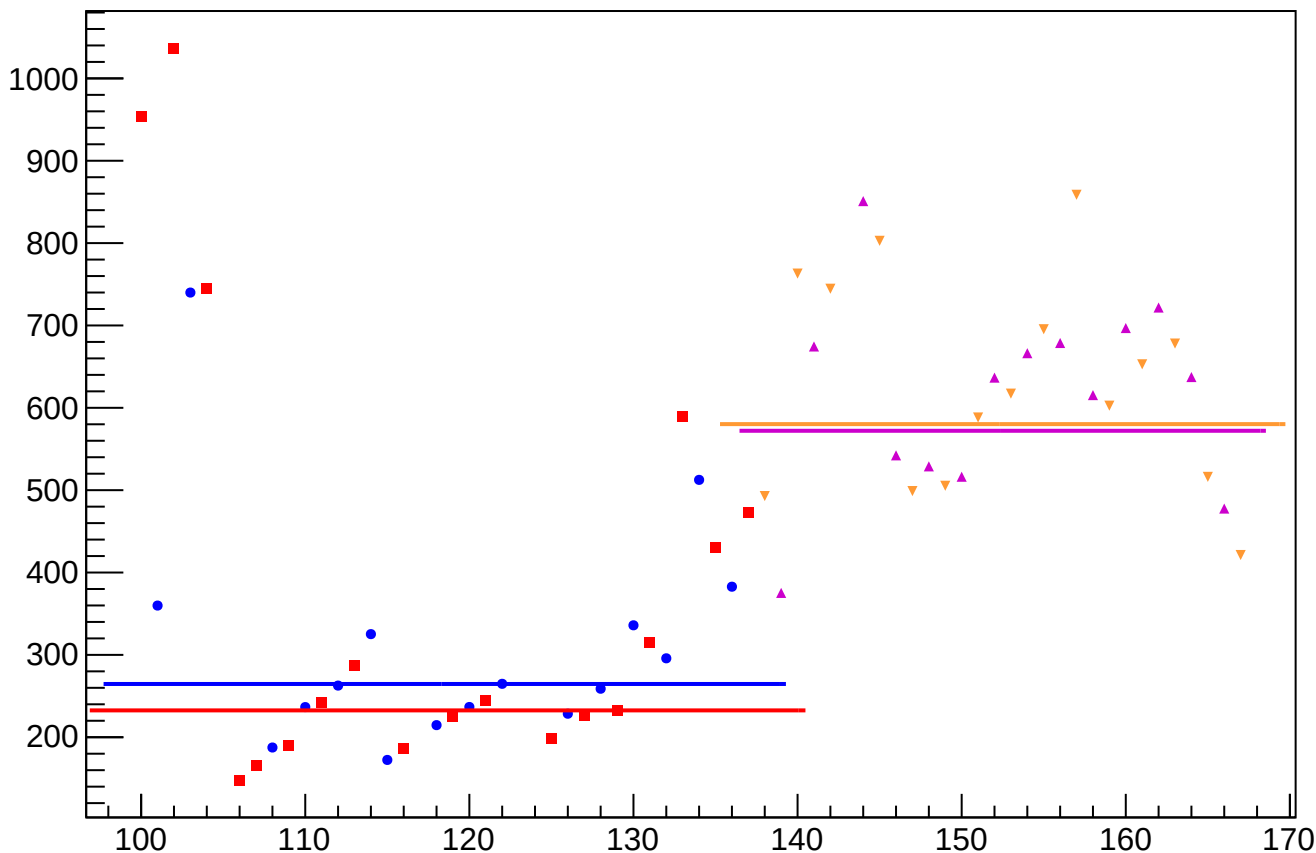
Left In: -0.063 ± 0.174 χ^2/NDF : 20.9/13

+ sign 0.061 ± 0.090 χ^2/NDF : 29.6/30

All: 0.055 ± 0.062 χ^2/NDF : 72.9/62

- sign 0.050 ± 0.085 χ^2/NDF : 43.3/31

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1283977.8/15

Left Out: 580.205 $\pm$ 0.123 χ^2 /NDF: 905170.6/14

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032655.0/17

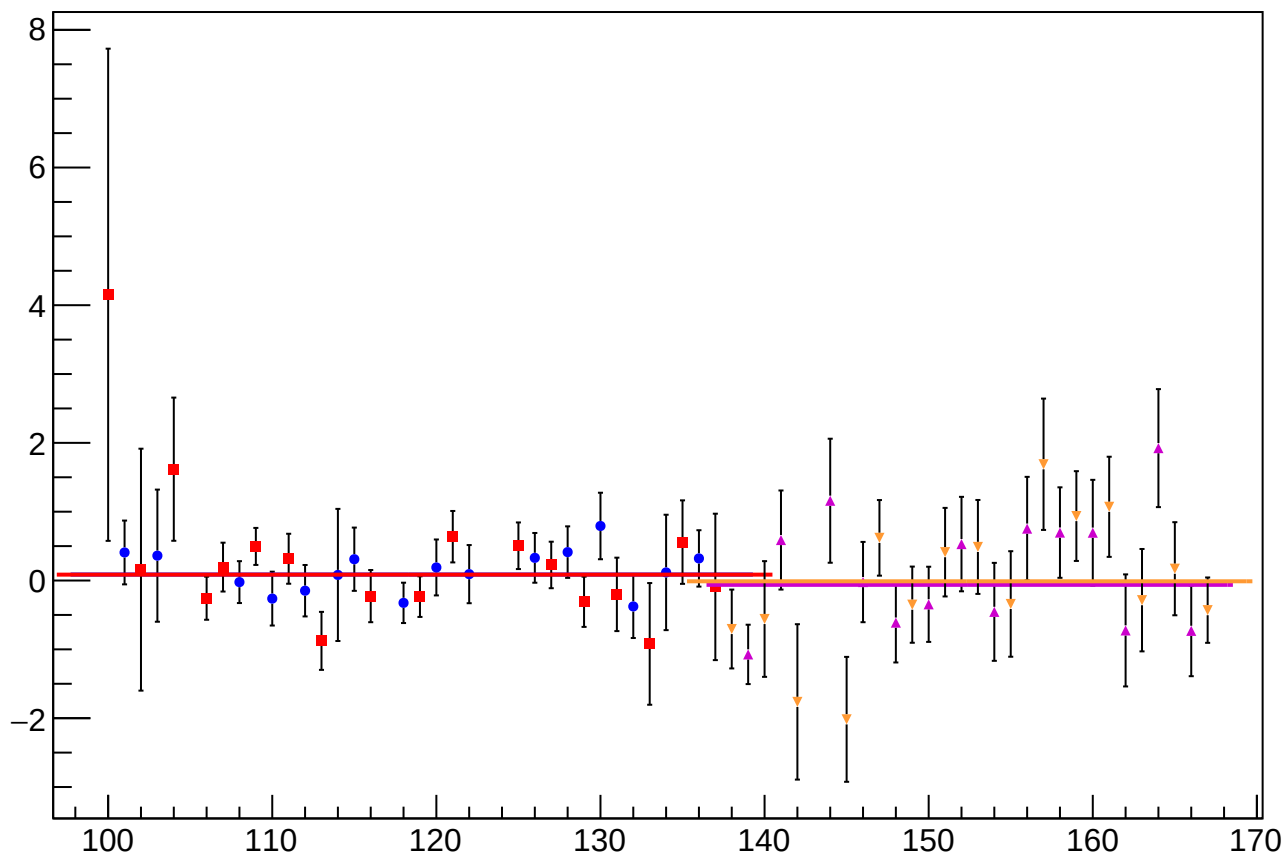
Left In: 572.117 $\pm$ 0.123 χ^2 /NDF: 960735.0/13

+ sign 349.088 $\pm$ 0.064 χ^2 /NDF: 7014271.7/30

All: 330.141 $\pm$ 0.044 χ^2 /NDF: 15953706.3/62

- sign 313.215 $\pm$ 0.060 χ^2 /NDF: 8771355.0/31

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: -0.011 $\pm$ 0.174 χ^2 /NDF:20.5/14

Right Out: 0.086 $\pm$ 0.097 χ^2 /NDF: 21.8/17

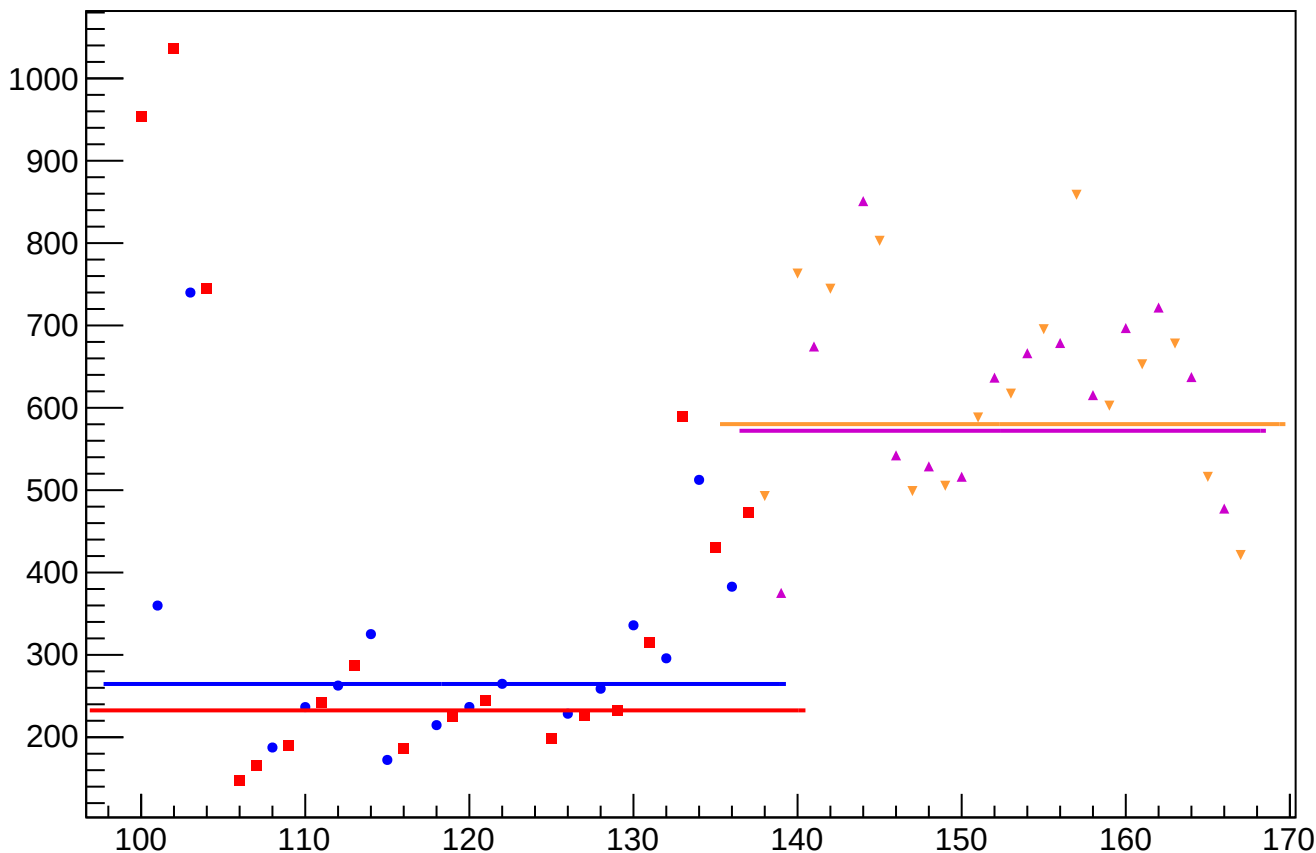
Left In: -0.063 $\pm$ 0.174 χ^2 /NDF:20.9/13

+ sign 0.061 $\pm$ 0.090 χ^2 /NDF: 29.6/30

All: 0.055 $\pm$ 0.062 χ^2 /NDF: 72.9/62

- sign 0.050 $\pm$ 0.085 χ^2 /NDF: 43.3/31

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667+/-0.074 χ^2/NDF : 1283977.8/15

Left Out: 580.205+/-0.123 χ^2/NDF : 905170.6/14

Right Out: 232.596+/-0.069 χ^2/NDF : 2032655.0/17

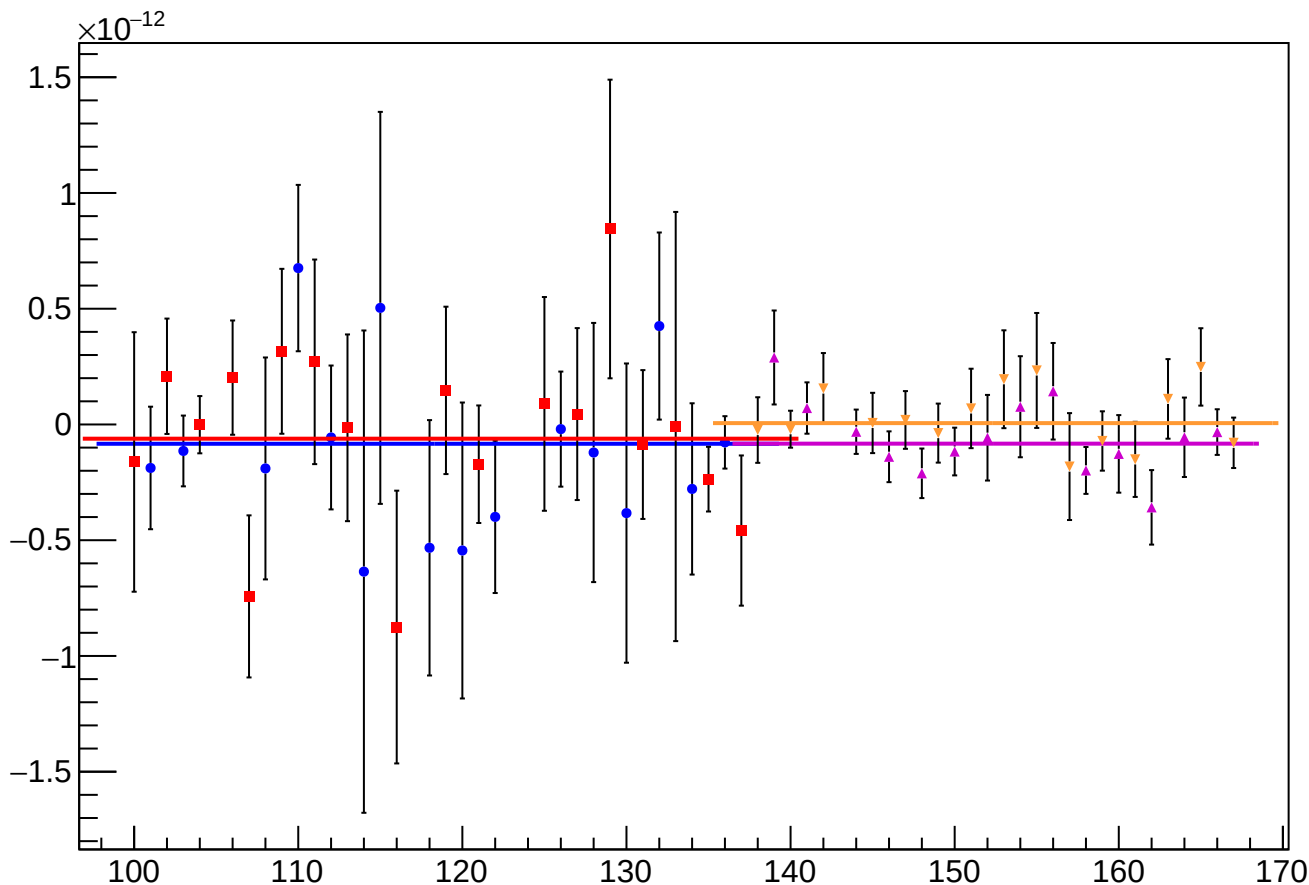
Left In: 572.117+/-0.123 χ^2/NDF : 960735.0/13

+ sign 349.088+/-0.064 χ^2/NDF : 7014271.7/30

All: 330.141+/-0.044 χ^2/NDF : 15953706.3/62

- sign 313.215+/-0.060 χ^2/NDF : 8771355.0/31

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 : 8.1/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.7/17

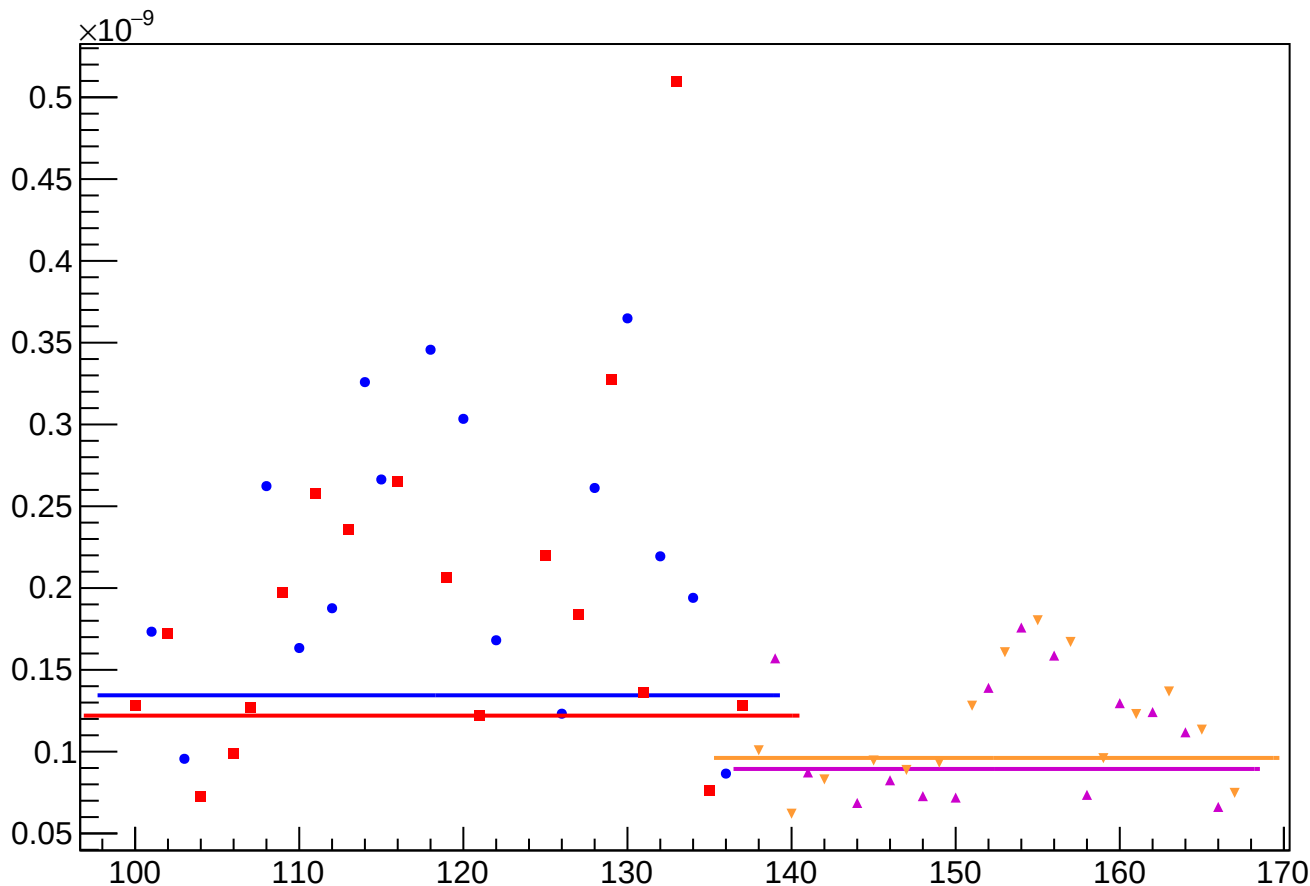
Left In: -0.000 ± 0.000 χ^2/NDF : 13.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 19.1/30

All: -0.000 ± 0.000 χ^2/NDF : 50.8/62

- sign -0.000 ± 0.000 χ^2/NDF : 29.5/31

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 :1329327.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2003381.5/17

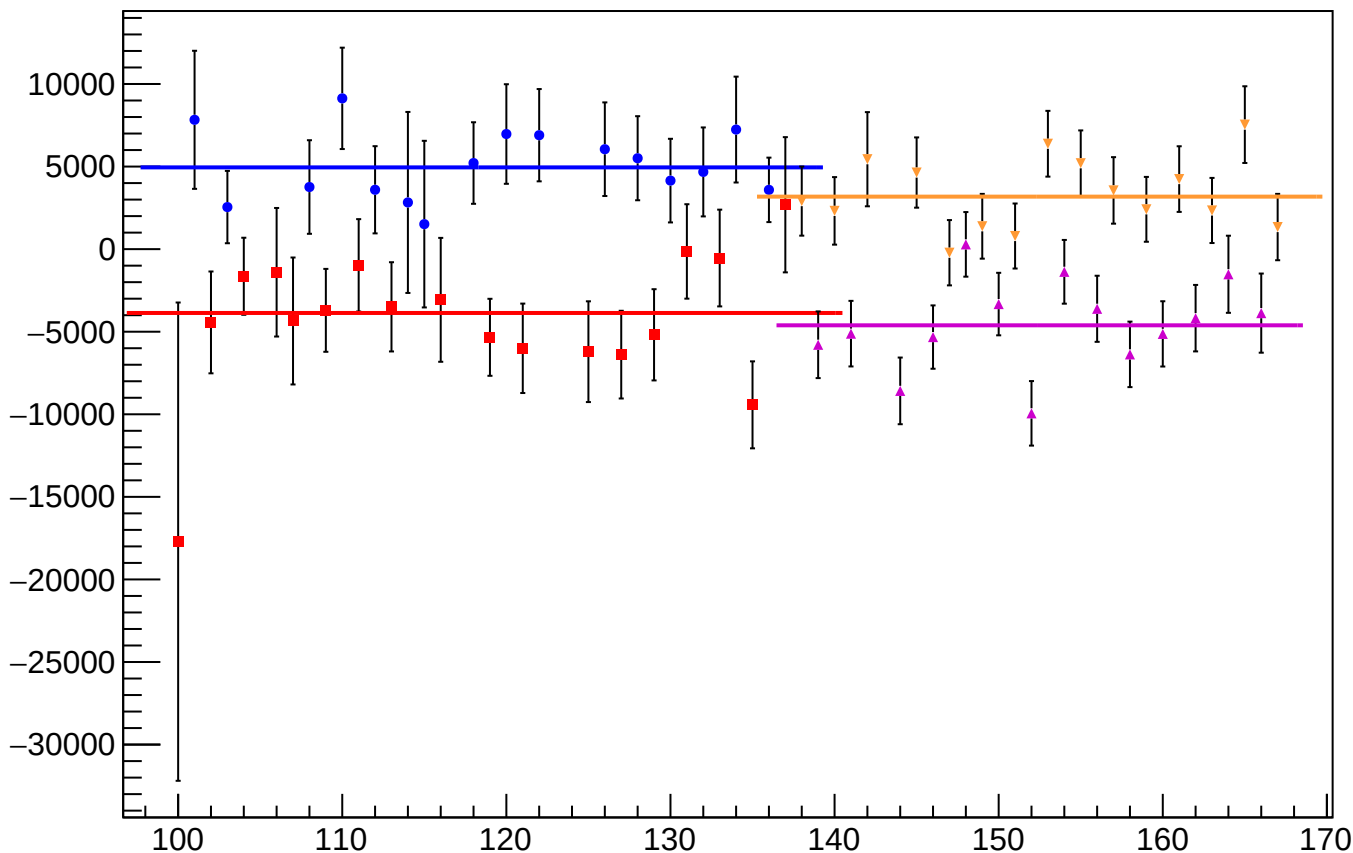
Left In: 0.000+/-0.000 χ^2/NDF :1511588.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 3629048.3/30

All: 0.000+/-0.000 χ^2/NDF : 7606254.8/62

- sign 0.000+/-0.000 χ^2/NDF : 3914447.4/31

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: 3179.427 $\pm$ 531.468 χ^2 /NDF: 15.2/14

Right Out: -3865.145 $\pm$ 695.781 χ^2 /NDF: 16.2/17

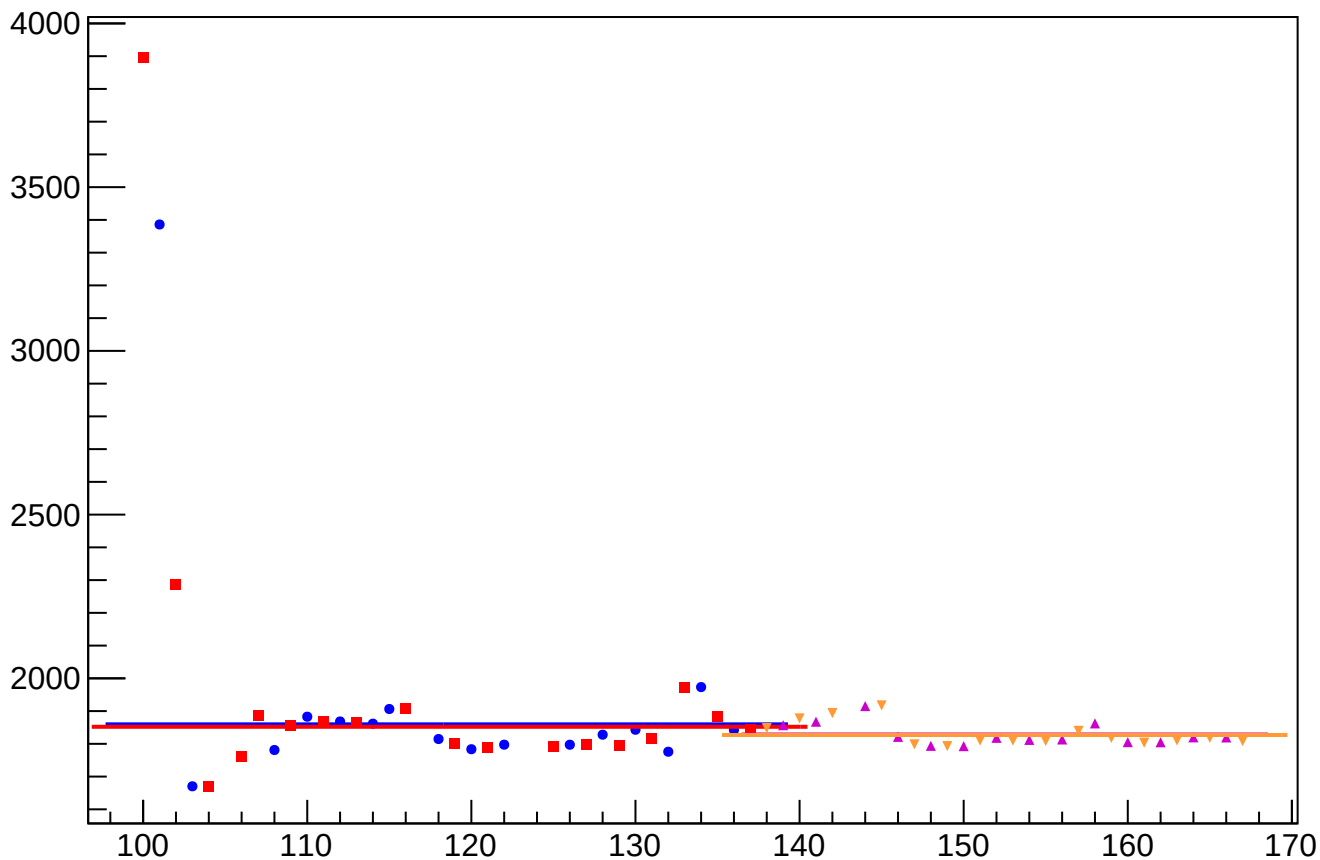
Left In: -4612.482 $\pm$ 538.212 χ^2 /NDF: 24.4/13

+ sign 3828.224 $\pm$ 423.054 χ^2 /NDF: 26.1/30

All: -226.684 $\pm$ 300.080 χ^2 /NDF: 252.3/62

- sign -4332.710 $\pm$ 425.712 χ^2 /NDF: 41.3/31

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF : 292334.6/15

Left Out: 1826.991+/-0.376 χ^2/NDF : 8376.7/14

Right Out: 1852.065+/-0.490 χ^2/NDF : 102212.5/17

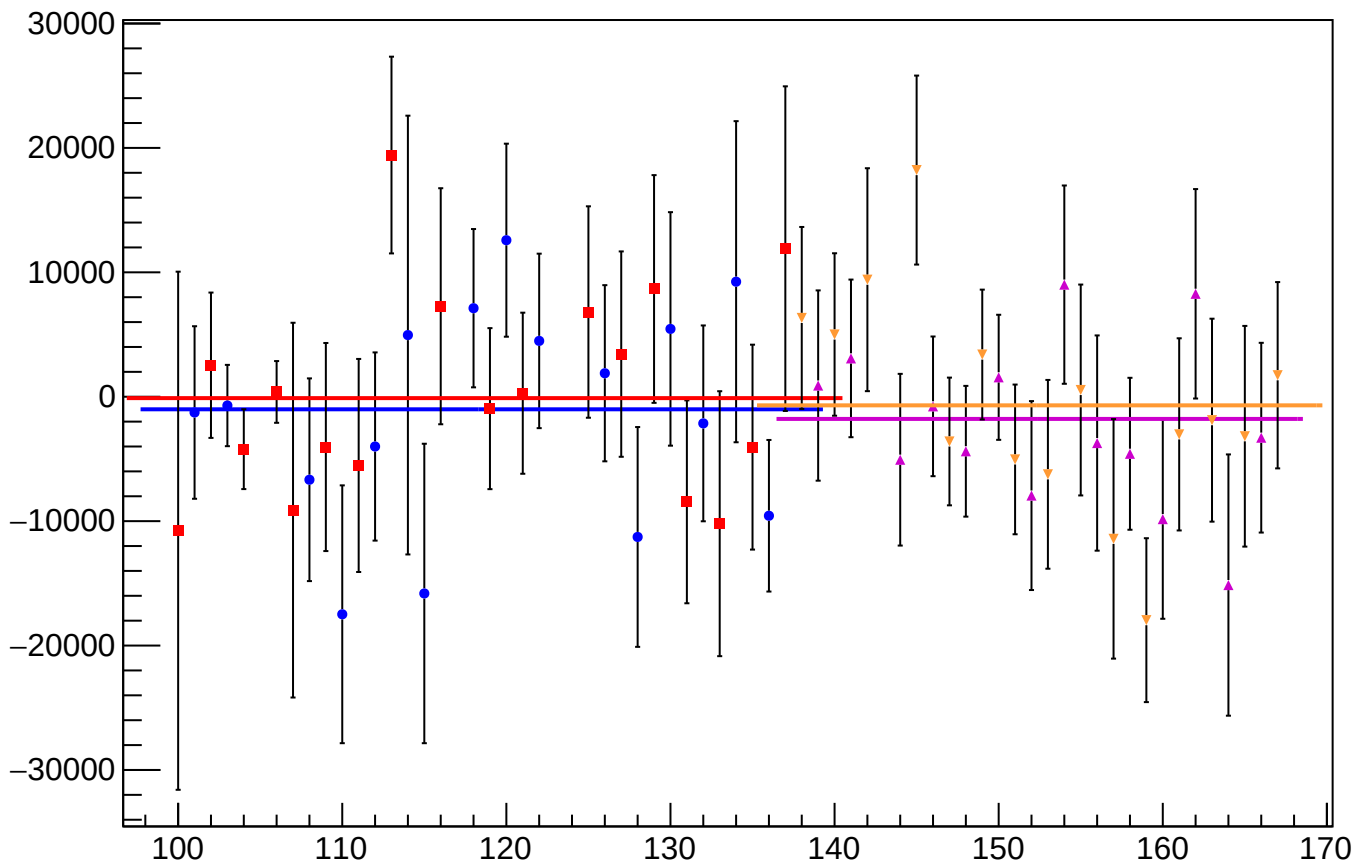
Left In: 1828.553+/-0.381 χ^2/NDF : 7735.6/13

+ sign 1838.905+/-0.299 χ^2/NDF : 303454.3/30

All: 1838.151+/-0.212 χ^2/NDF : 414849.5/62

- sign 1837.389+/-0.301 χ^2/NDF : 111382.4/31

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



Right In: -1010.288 ± 1764.180 $\chi^2/\text{NDF}: 14.7/15$

Left Out: -692.006 ± 1820.474 $\chi^2/\text{NDF}: 19.6/14$

Right Out: -111.261 ± 1438.515 $\chi^2/\text{NDF}: 14.6/17$

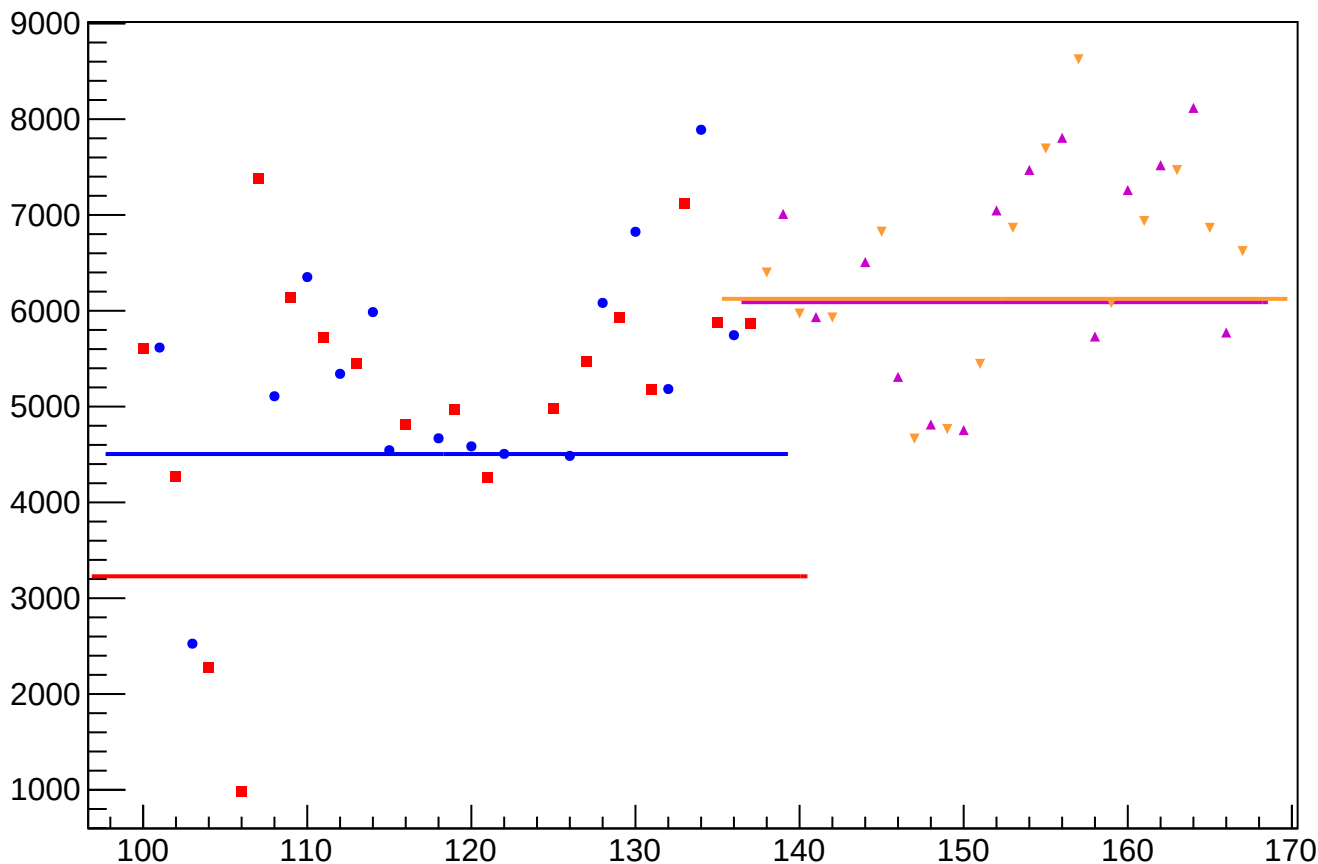
Left In: -1783.253 ± 1826.396 $\chi^2/\text{NDF}: 8.5/13$

+ sign -856.144 ± 1266.898 $\chi^2/\text{NDF}: 34.3/30$

All: -797.804 ± 843.326 $\chi^2/\text{NDF}: 58.0/62$

- sign -751.384 ± 1130.081 $\chi^2/\text{NDF}: 23.7/31$

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: 6124.536+/-1.287 χ^2/NDF : 666400.5/14

Right Out: 3228.605+/-1.017 χ^2/NDF : 3956397.6/17

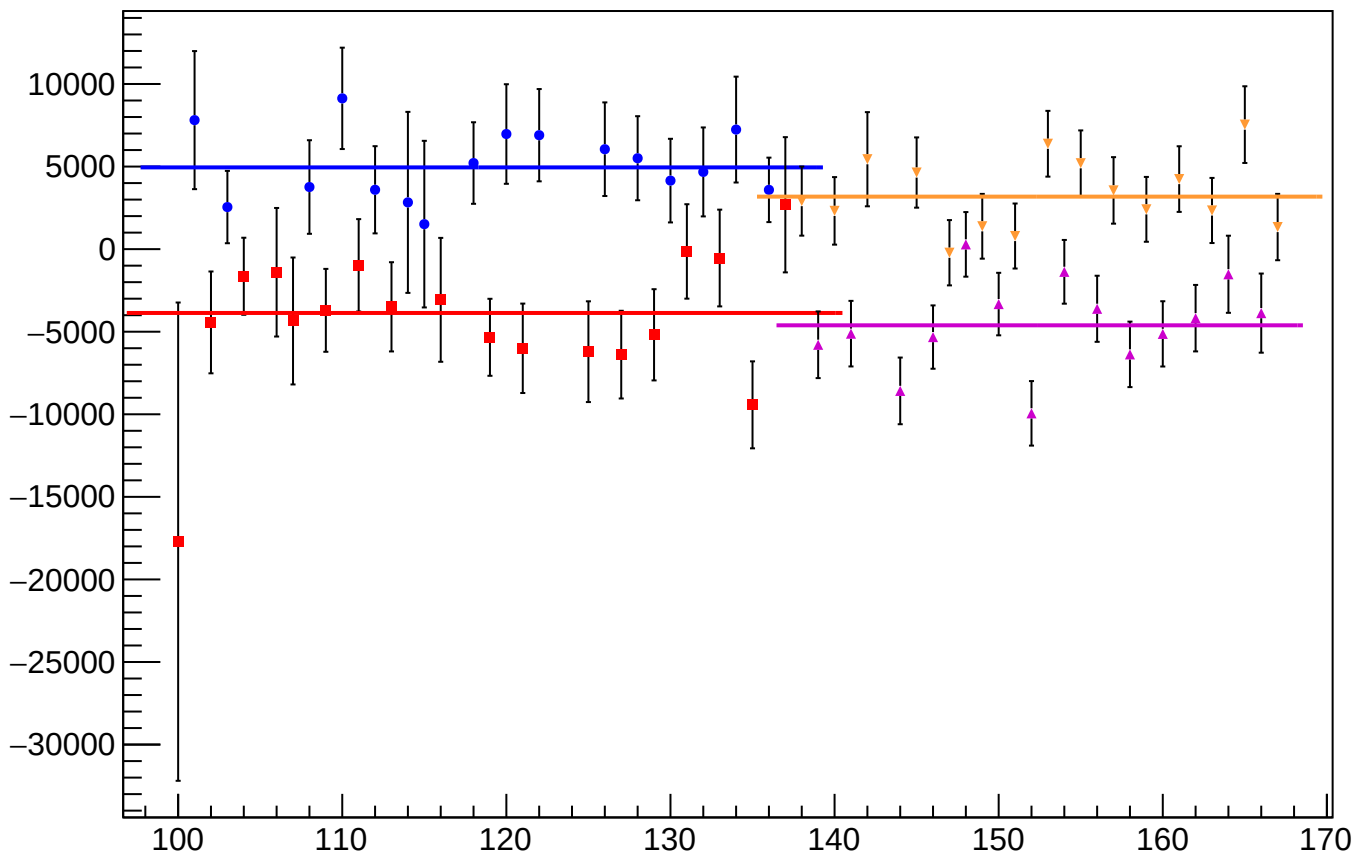
Left In: 6089.653+/-1.291 χ^2/NDF : 691099.4/13

+ sign 5289.232+/-0.896 χ^2/NDF : 2803999.5/30

All: 4751.678+/-0.596 χ^2/NDF : 11126943.5/6

- sign 4323.959+/-0.799 χ^2/NDF : 7676369.3/31

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: 3179.337 $\pm$ 531.468 χ^2/NDF : 15.2/14

Right Out: -3864.930 $\pm$ 695.781 χ^2/NDF : 16.2/17

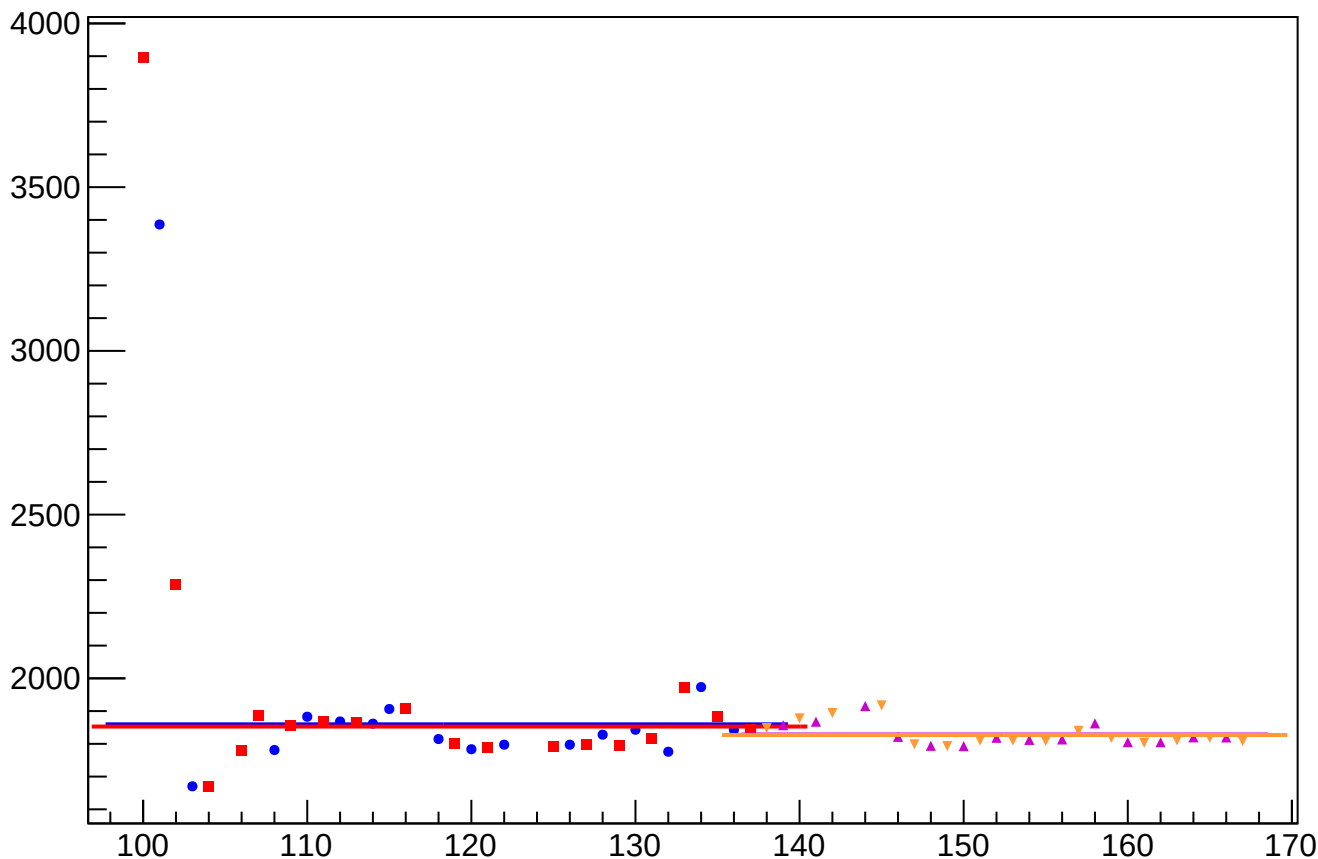
Left In: -4612.626 $\pm$ 538.212 χ^2/NDF : 24.4/13

+ sign 3827.989 $\pm$ 423.054 χ^2/NDF : 26.1/30

All: -226.807 $\pm$ 300.080 χ^2/NDF : 252.3/62

- sign -4332.720 $\pm$ 425.712 χ^2/NDF : 41.3/31

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: 1826.991 $\pm$ 0.376 χ^2 /NDF: 8376.7/14

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

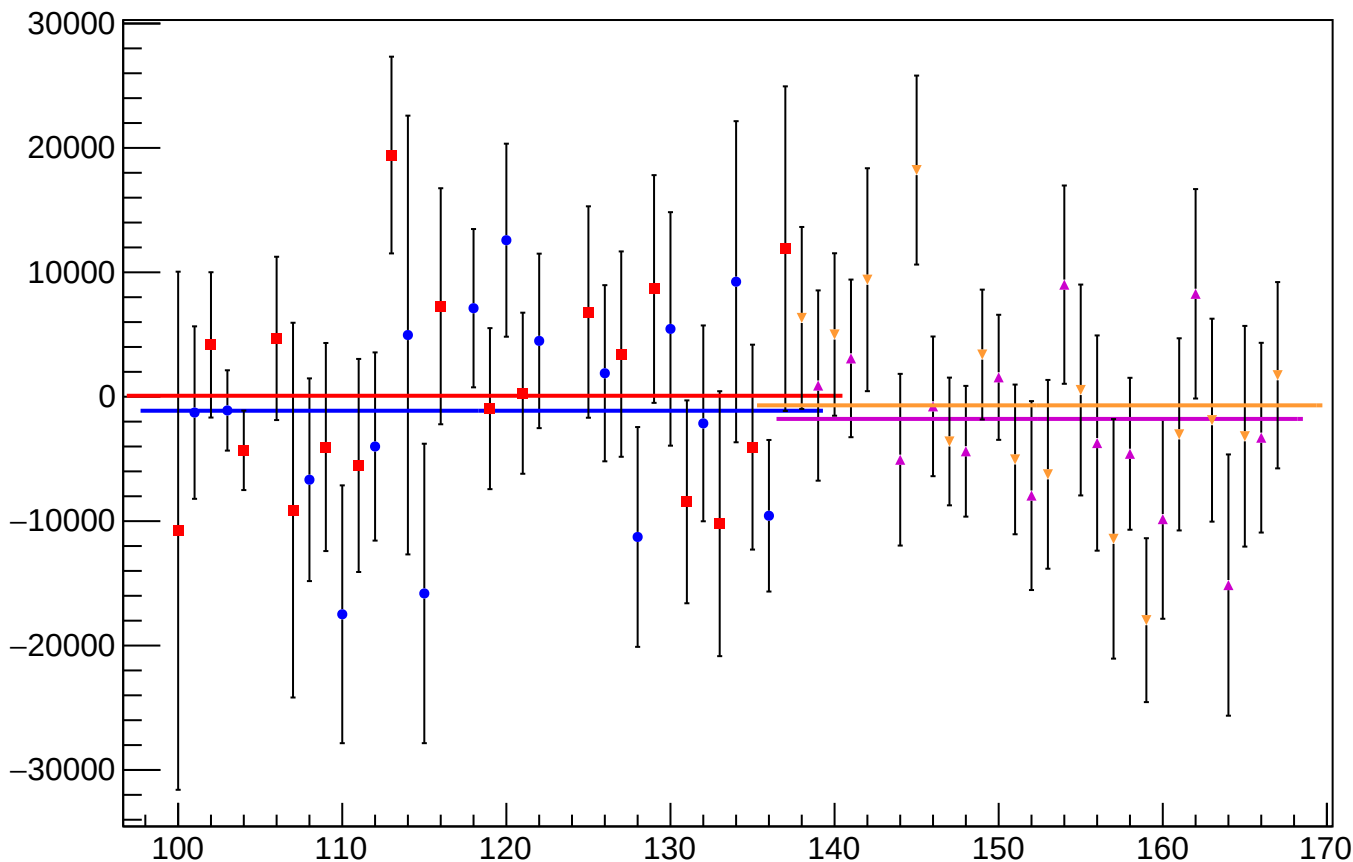
Left In: 1828.553 $\pm$ 0.381 χ^2 /NDF: 7735.6/13

+ sign 1838.905 $\pm$ 0.299 χ^2 /NDF: 303456.2/30

All: 1838.281 $\pm$ 0.212 χ^2 /NDF: 414472.1/62

- sign 1837.650 $\pm$ 0.301 χ^2 /NDF: 111007.2/31

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: -692.049 $\pm$ 1820.472 χ^2/NDF : 19.6/14

Right Out: 78.270 $\pm$ 1702.444 χ^2/NDF : 15.5/17

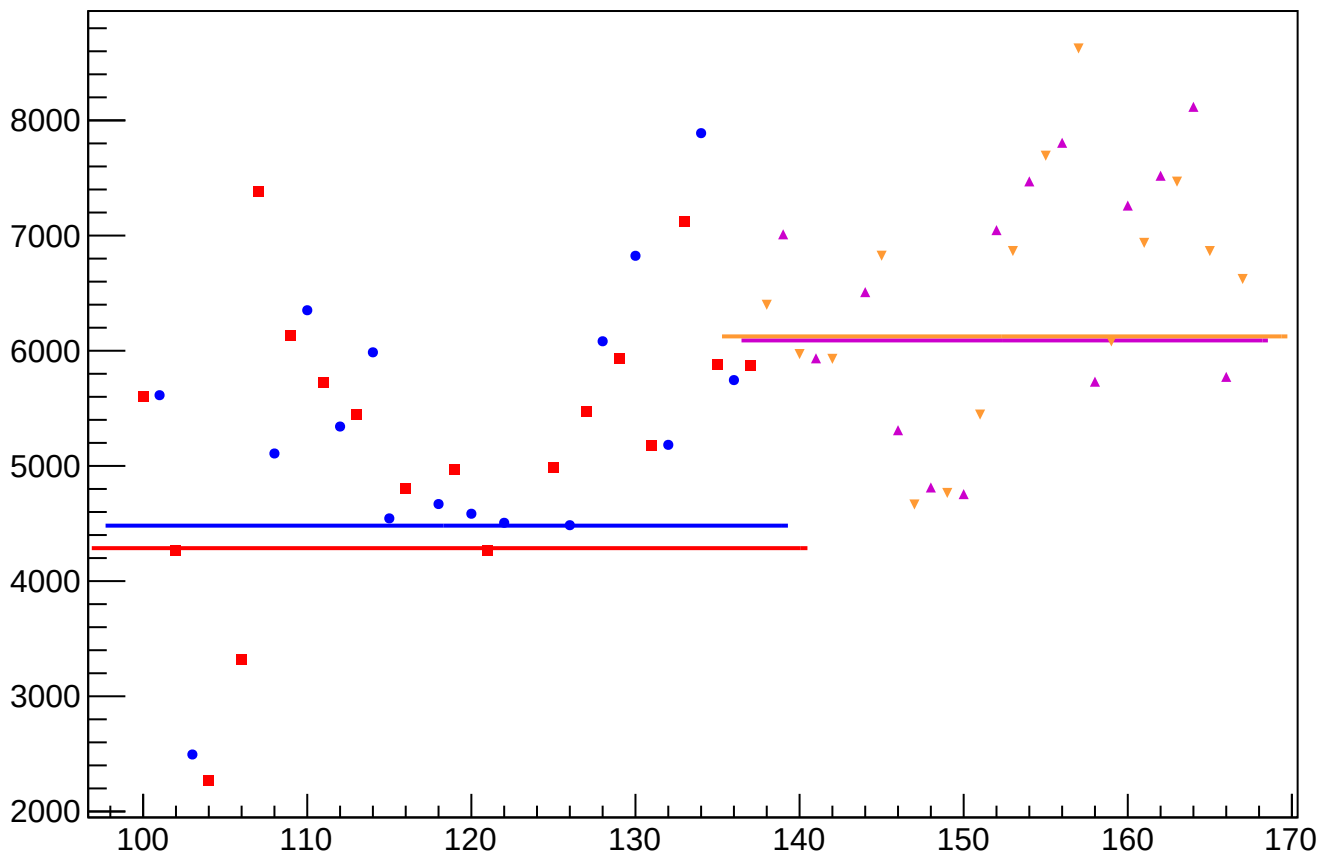
Left In: -1783.429 $\pm$ 1826.396 χ^2/NDF : 8.5/13

+ sign -916.389 $\pm$ 1264.556 χ^2/NDF : 34.3/30

All: -850.839 $\pm$ 887.299 χ^2/NDF : 58.9/62

- sign -787.267 $\pm$ 1245.326 χ^2/NDF : 24.6/31

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518 $\pm$ 1.243 χ^2 /NDF: 1362255.0/15

Left Out: 6124.528 $\pm$ 1.287 χ^2 /NDF: 666406.4/14

Right Out: 4286.125 $\pm$ 1.204 χ^2 /NDF: 1549852.7/17

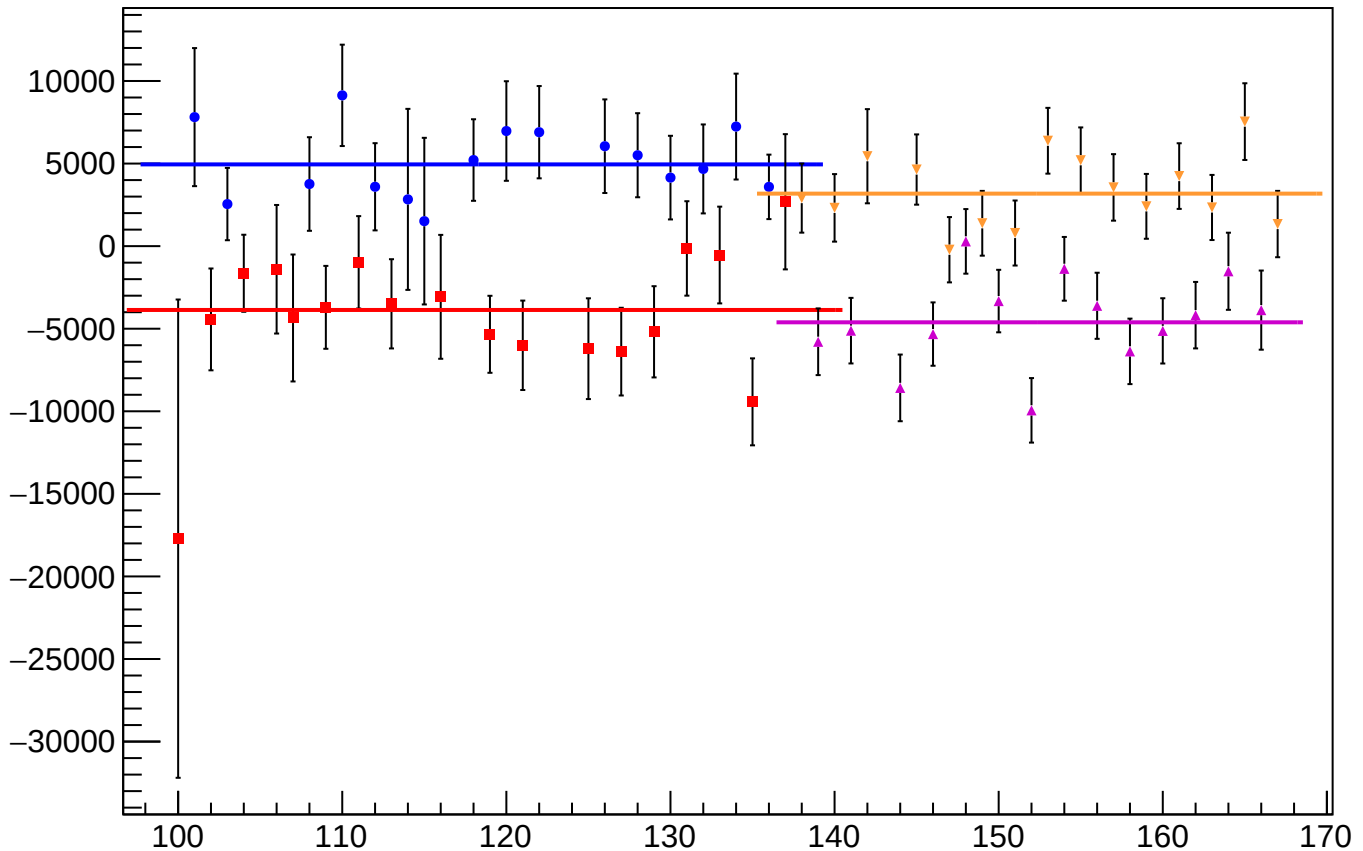
Left In: 6089.653 $\pm$ 1.291 χ^2 /NDF: 691106.9/13

+ sign 5274.291 $\pm$ 0.894 χ^2 /NDF: 2871690.4/30

All: 5198.307 $\pm$ 0.627 χ^2 /NDF: 6170407.2/62

- sign 5124.617 $\pm$ 0.881 χ^2 /NDF: 3284493.0/31

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: 3179.337 $\pm$ 531.468 χ^2 /NDF:15.2/14

Right Out: -3864.930 $\pm$ 695.781 χ^2 /NDF: 16.2/17

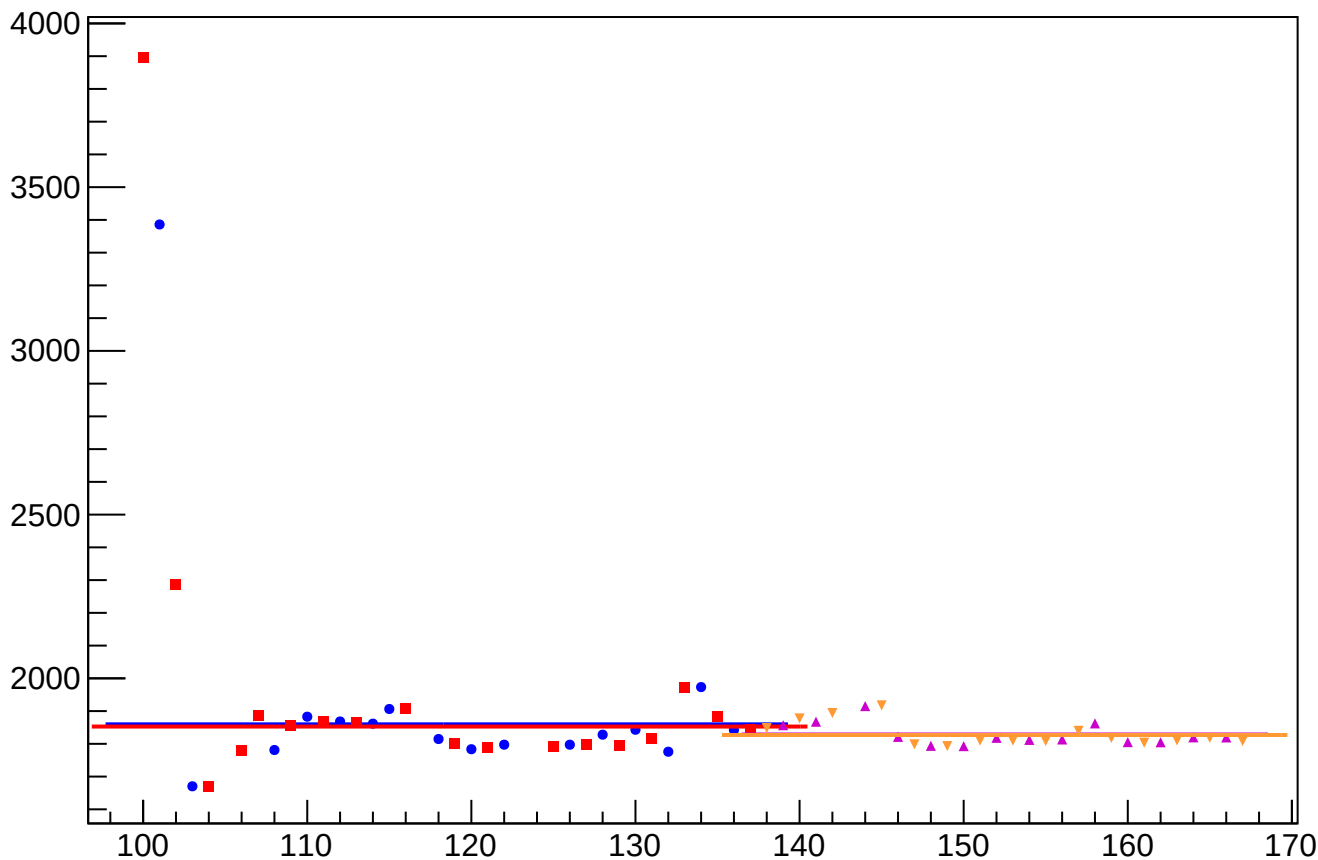
Left In: -4612.626 $\pm$ 538.212 χ^2 /NDF:24.4/13

+ sign 3827.989 $\pm$ 423.054 χ^2 /NDF: 26.1/30

All: -226.807 $\pm$ 300.080 χ^2 /NDF: 252.3/62

- sign -4332.720 $\pm$ 425.712 χ^2 /NDF: 41.3/31

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: 1826.991 $\pm$ 0.376 χ^2 /NDF: 8376.7/14

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

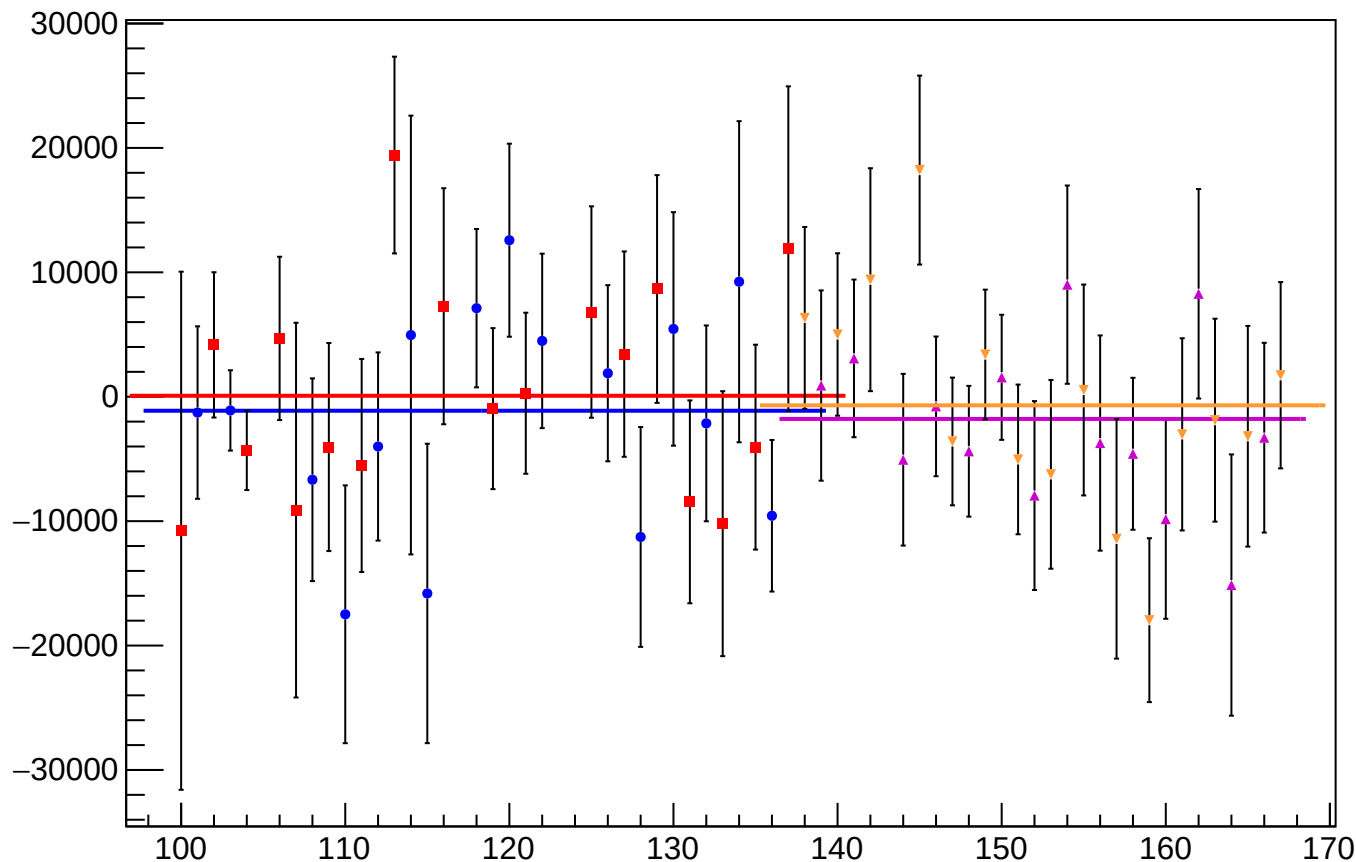
Left In: 1828.553 $\pm$ 0.381 χ^2 /NDF: 7735.6/13

+ sign 1838.905 $\pm$ 0.299 χ^2 /NDF: 303456.2/30

All: 1838.281 $\pm$ 0.212 χ^2 /NDF: 414472.1/62

- sign 1837.650 $\pm$ 0.301 χ^2 /NDF: 111007.2/31

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -1125.567 ± 1757.876 $\chi^2/\text{NDF}: 14.7/15$

Left Out: -692.049 ± 1820.472 $\chi^2/\text{NDF}: 19.6/14$

Right Out: 78.270 ± 1702.444 $\chi^2/\text{NDF}: 15.5/17$

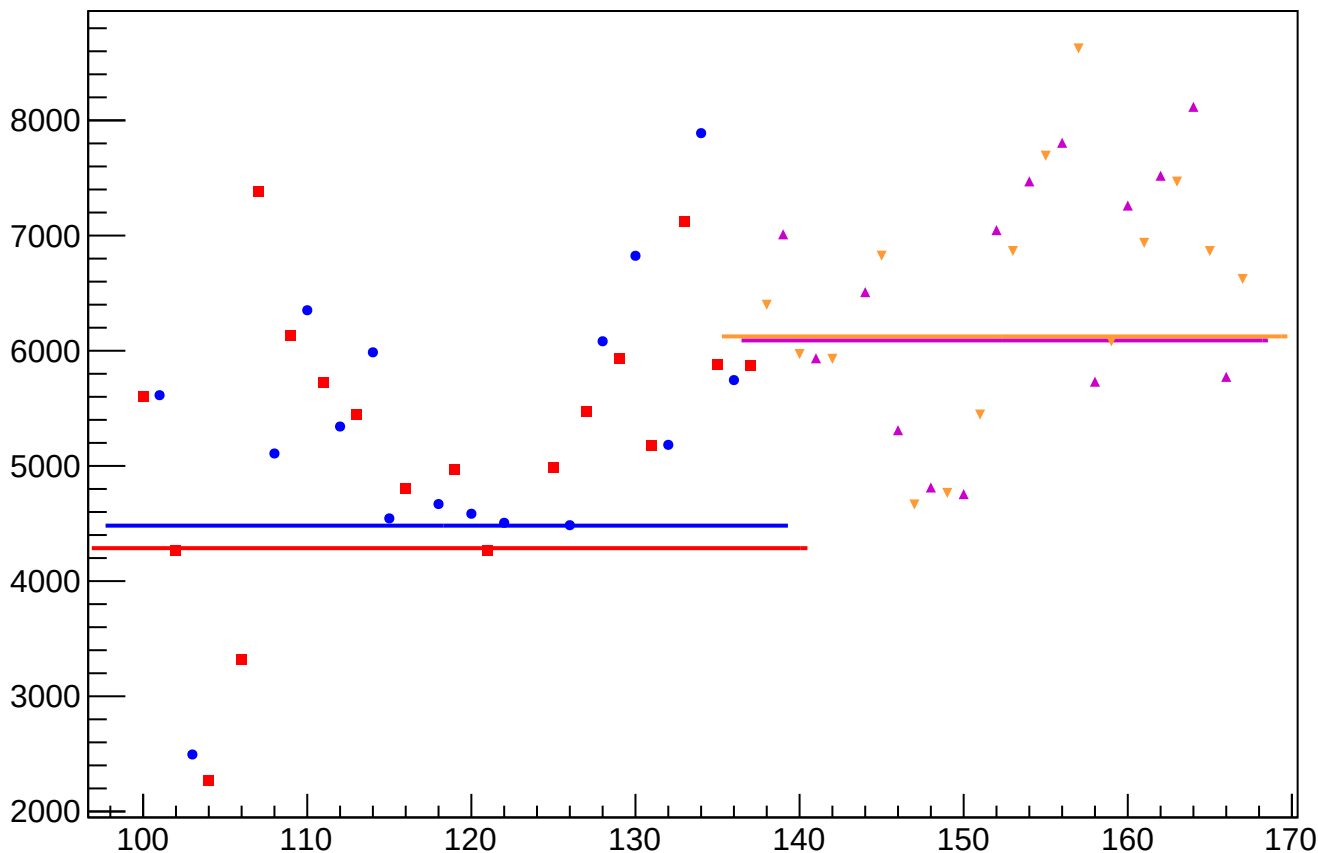
Left In: -1783.429 ± 1826.396 $\chi^2/\text{NDF}: 8.5/13$

+ sign -916.389 ± 1264.556 $\chi^2/\text{NDF}: 34.3/30$

All: -850.839 ± 887.299 $\chi^2/\text{NDF}: 58.9/62$

- sign -787.267 ± 1245.326 $\chi^2/\text{NDF}: 24.6/31$

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: 6124.528+/-1.287 χ^2/NDF : 666406.4/14

Right Out: 4286.125+/-1.204 χ^2/NDF : 1549852.7/17

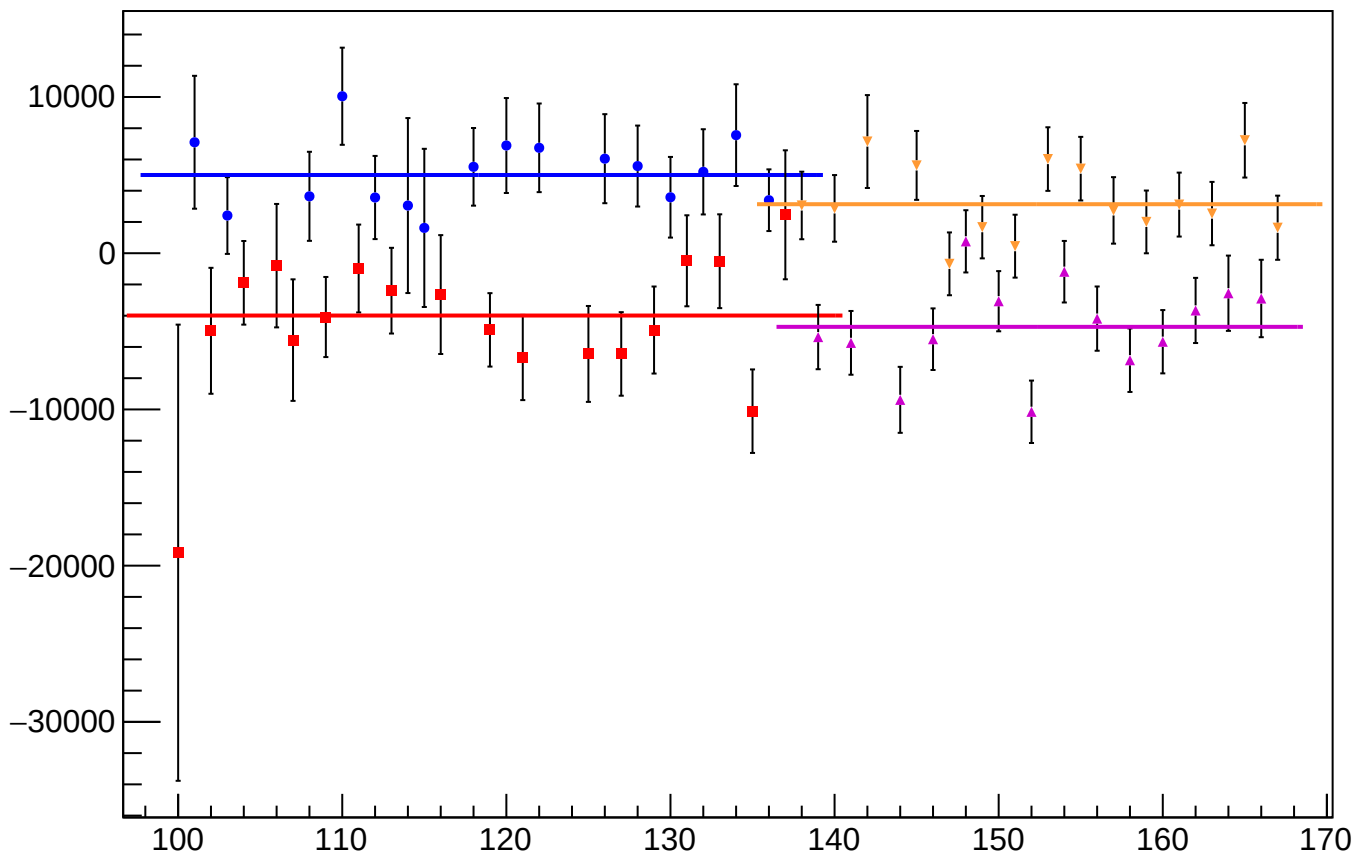
Left In: 6089.653+/-1.291 χ^2/NDF : 691106.9/13

+ sign 5274.291+/-0.894 χ^2/NDF : 2871690.4/30

All: 5198.307+/-0.627 χ^2/NDF : 6170407.2/62

- sign 5124.617+/-0.881 χ^2/NDF : 3284493.0/31

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315 $\pm$ 714.061 χ^2/NDF : 7.7/15

Left Out: 3137.287 $\pm$ 546.934 χ^2/NDF : 16.2/14

Right Out: -3989.193 $\pm$ 719.024 χ^2/NDF : 17.4/17

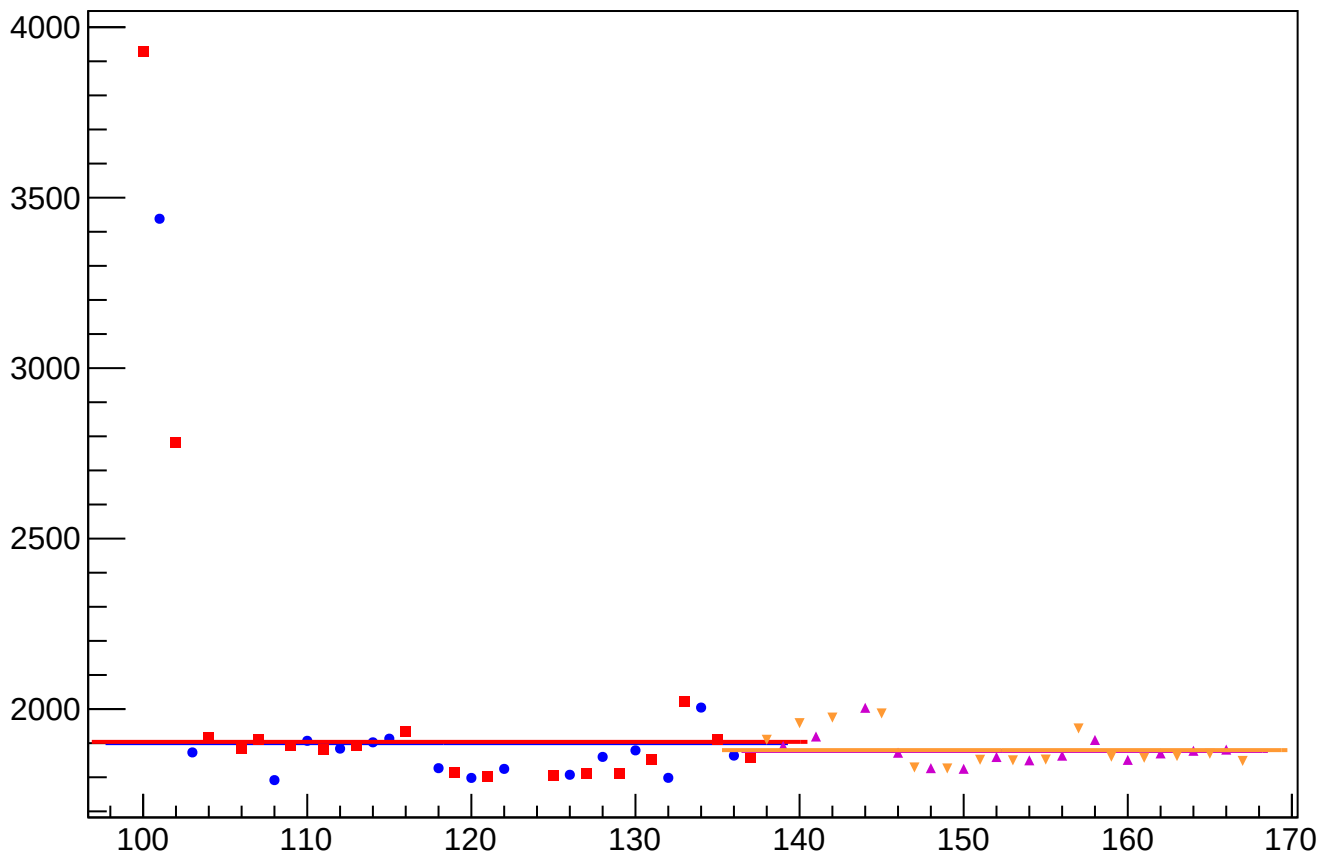
Left In: -4713.167 $\pm$ 552.613 χ^2/NDF : 27.3/13

+ sign 3828.733 $\pm$ 434.201 χ^2/NDF : 28.2/30

All: -270.285 $\pm$ 308.415 χ^2/NDF : 253.4/62

- sign -4444.327 $\pm$ 438.156 χ^2/NDF : 45.3/31

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF : 278448.2/15

Left Out: 1879.579+/-0.387 χ^2/NDF : 16766.6/14

Right Out: 1903.827+/-0.508 χ^2/NDF : 150115.8/17

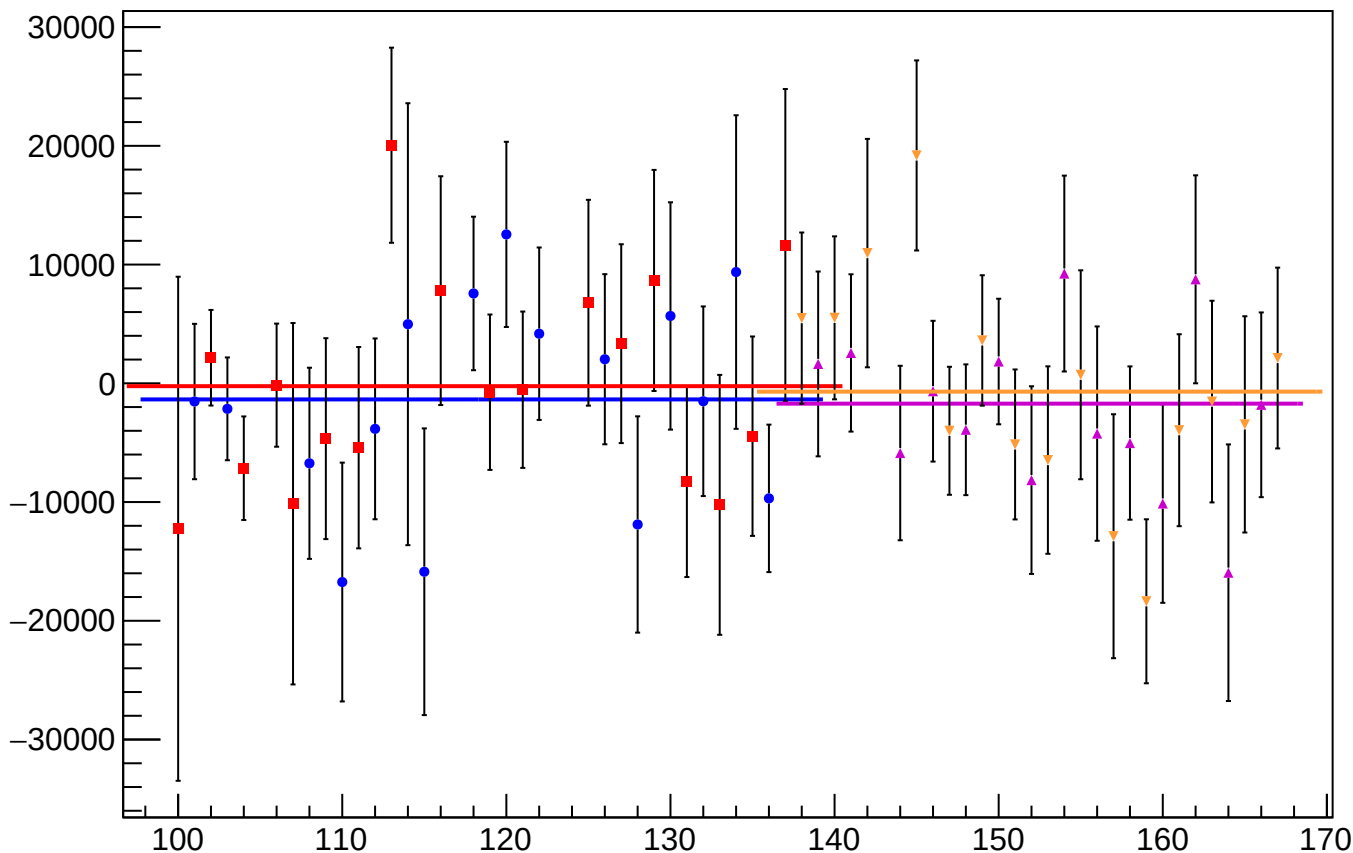
Left In: 1877.108+/-0.391 χ^2/NDF : 12424.1/13

+ sign 1887.171+/-0.307 χ^2/NDF : 296257.1/30

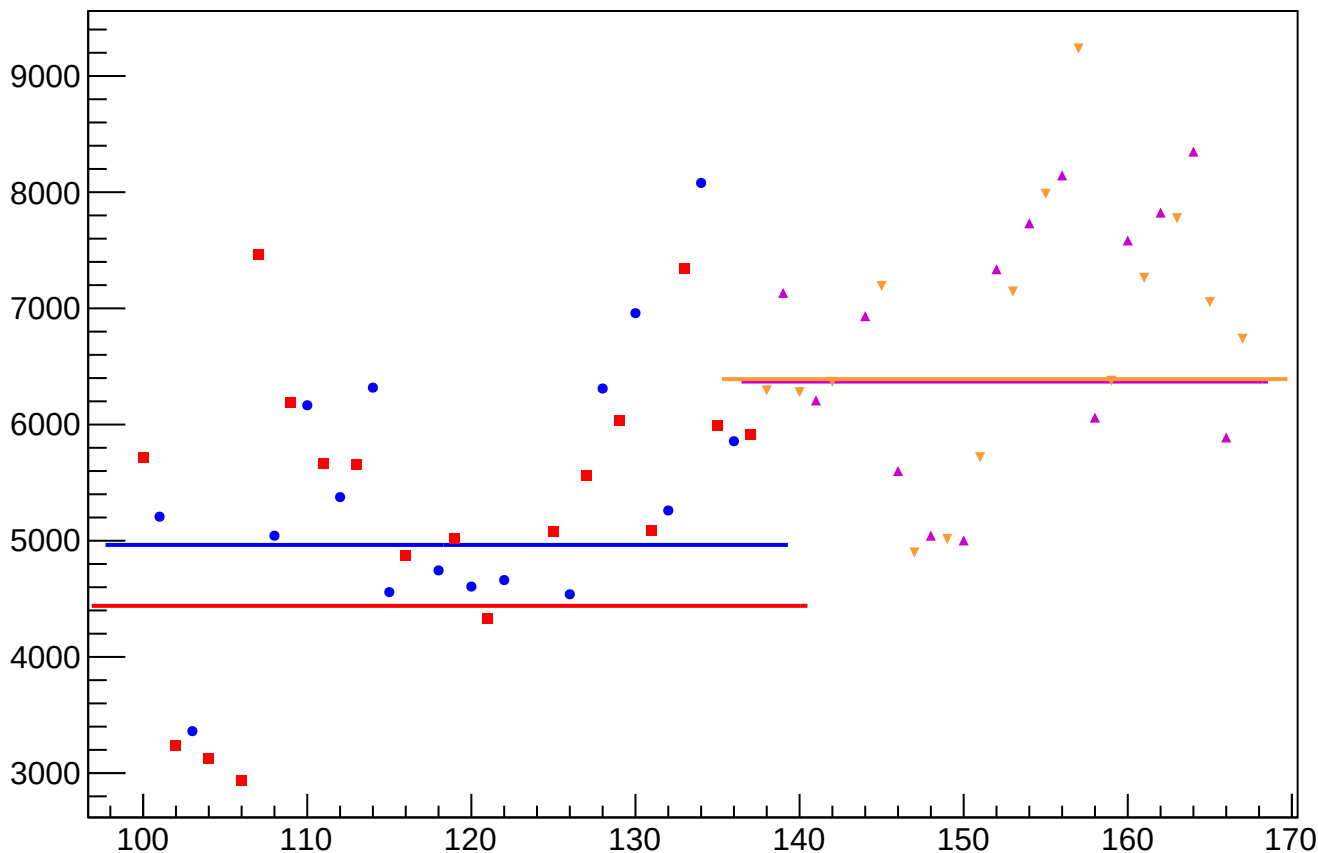
All: 1887.107+/-0.218 χ^2/NDF : 460535.7/62

- sign 1887.043+/-0.310 χ^2/NDF : 164278.6/31

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 4963.998 $\pm$ 1.341 χ^2 /NDF: 627377.0/15

Left Out: 6391.196 $\pm$ 1.342 χ^2 /NDF: 651273.5/14

Right Out: 4439.675 $\pm$ 1.211 χ^2 /NDF: 1158510.1/17

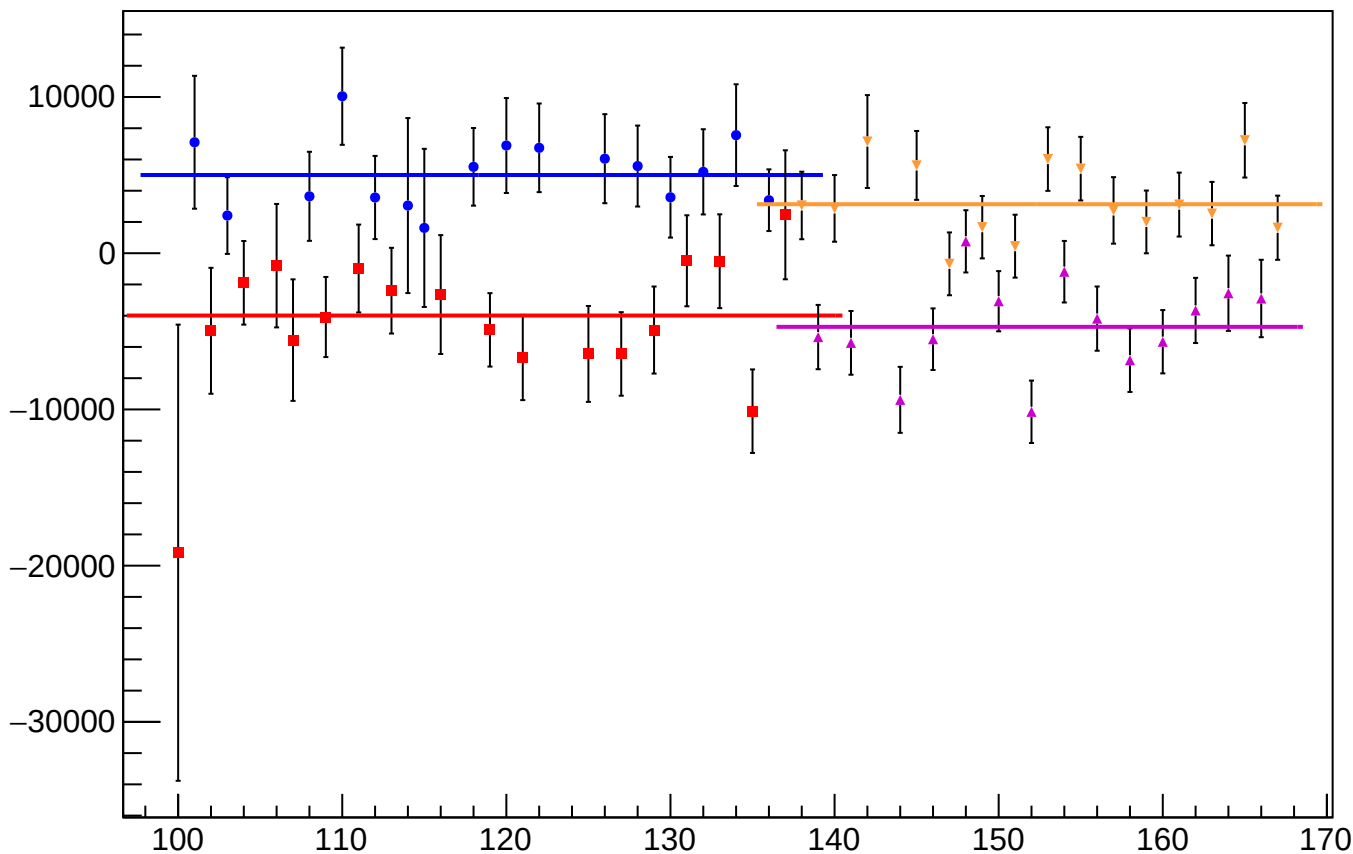
Left In: 6370.057 $\pm$ 1.350 χ^2 /NDF: 654180.0/13

+ sign 5676.651 $\pm$ 0.949 χ^2 /NDF: 1844524.7/30

All: 5479.045 $\pm$ 0.653 χ^2 /NDF: 4872965.6/62

- sign 5300.626 $\pm$ 0.901 χ^2 /NDF: 2945870.0/31

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: 3137.277 ± 546.934 χ^2/NDF : 16.2/14

Right Out: -3989.192 ± 719.024 χ^2/NDF : 17.4/17

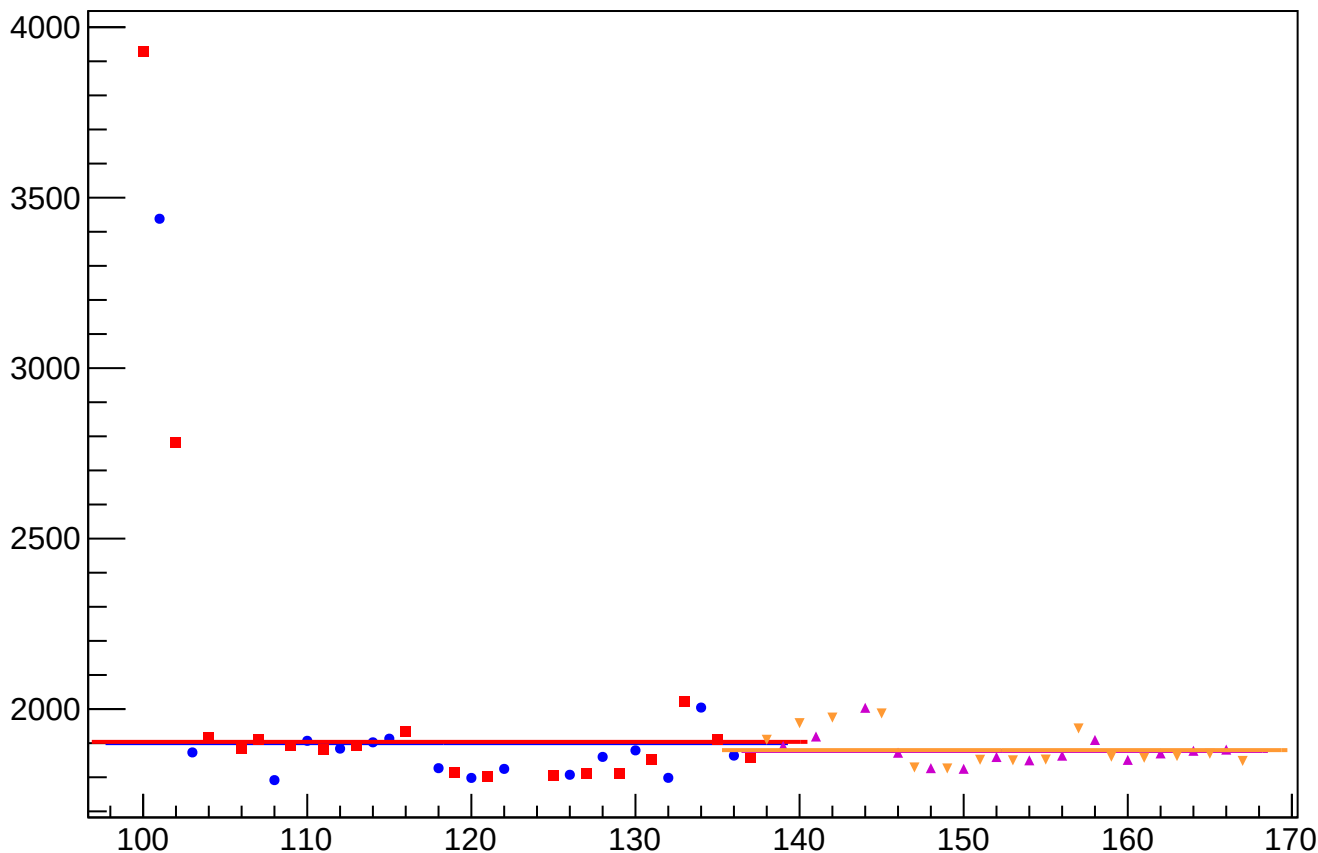
Left In: -4713.171 ± 552.613 χ^2/NDF : 27.3/13

+ sign 3828.727 ± 434.201 χ^2/NDF : 28.2/30

All: -270.289 ± 308.415 χ^2/NDF : 253.4/62

- sign -4444.329 ± 438.157 χ^2/NDF : 45.3/31

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: 1879.580+/-0.387 χ^2/NDF : 16766.9/14

Right Out: 1903.826+/-0.508 χ^2/NDF : 150115.1/17

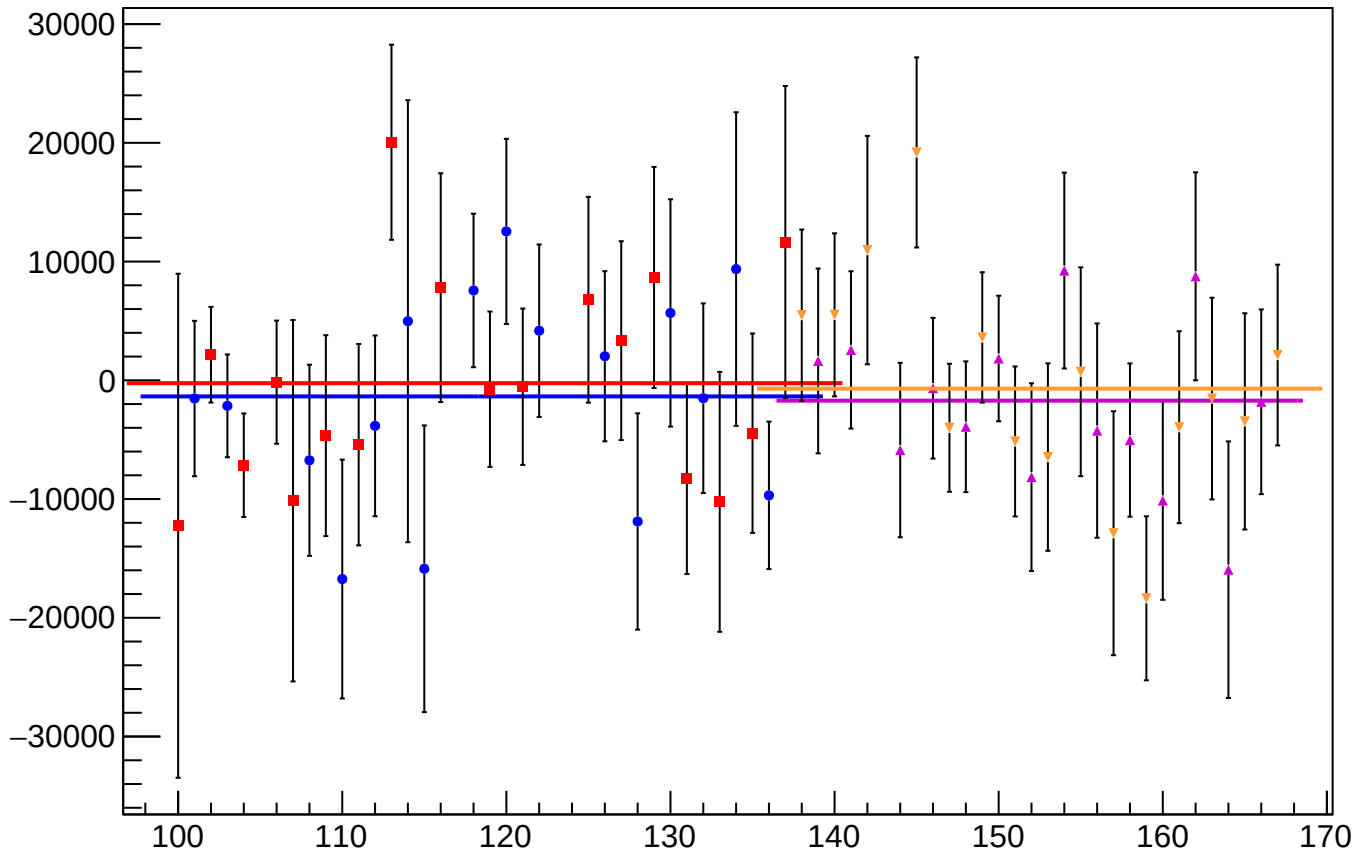
Left In: 1877.109+/-0.391 χ^2/NDF : 12424.2/13

+ sign 1887.172+/-0.307 χ^2/NDF : 296257.3/30

All: 1887.108+/-0.218 χ^2/NDF : 460535.1/62

- sign 1887.044+/-0.310 χ^2/NDF : 164277.7/31

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: -701.482±/-1898.510 χ^2/NDF : 19.6/14

Right Out: -241.155±/-1712.677 χ^2/NDF : 15.7/17

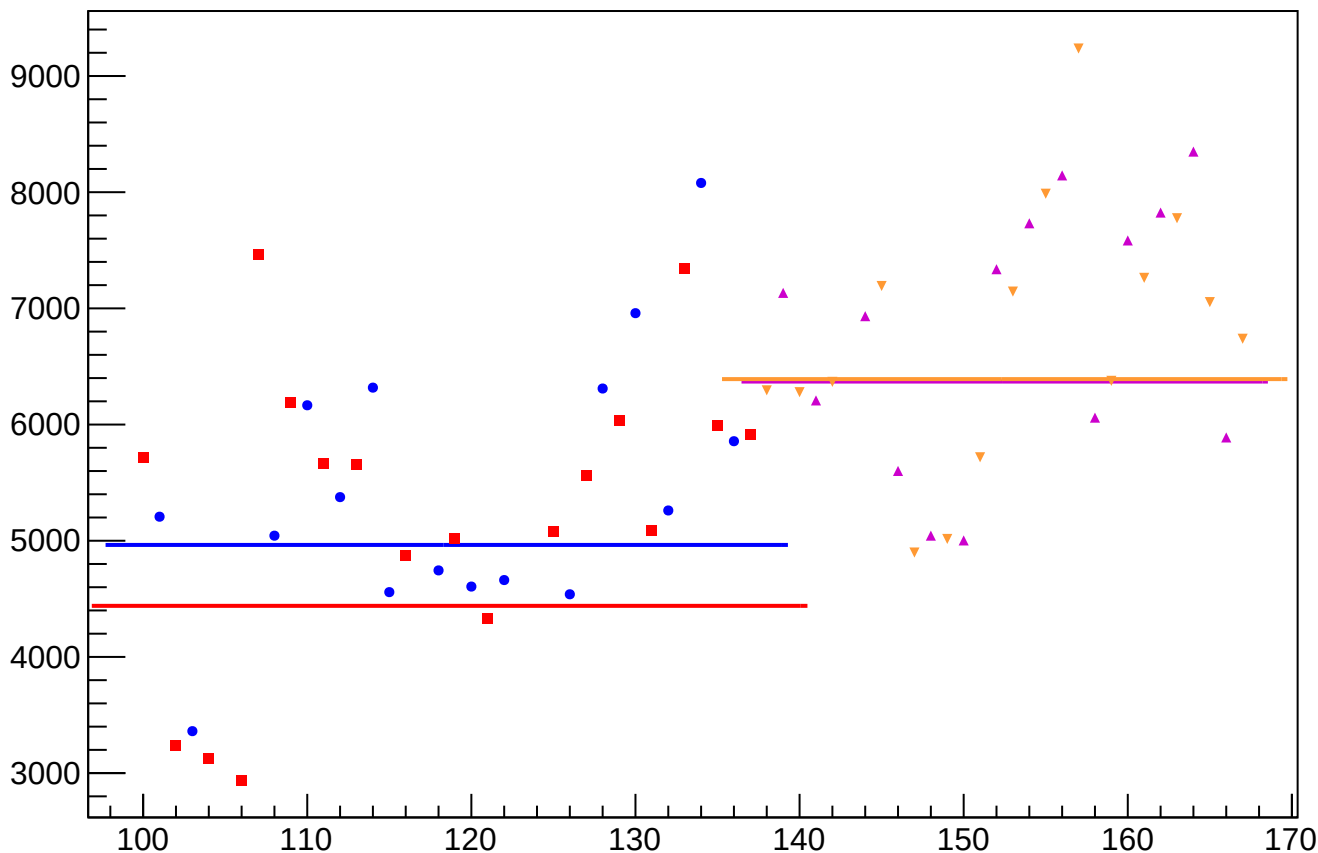
Left In: -1713.539±/-1908.817 χ^2/NDF : 8.5/13

+ sign -1029.479±/-1341.556 χ^2/NDF : 34.4/30

All: -960.299±/-924.106 χ^2/NDF : 58.9/62

- sign -897.836±/-1274.767 χ^2/NDF : 24.6/31

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4963.985 $\pm$ 1.341 χ^2 /NDF: 627379.5/15

Left Out: 6391.206 $\pm$ 1.342 χ^2 /NDF: 651276.0/14

Right Out: 4439.663 $\pm$ 1.211 χ^2 /NDF: 1158509.7/17

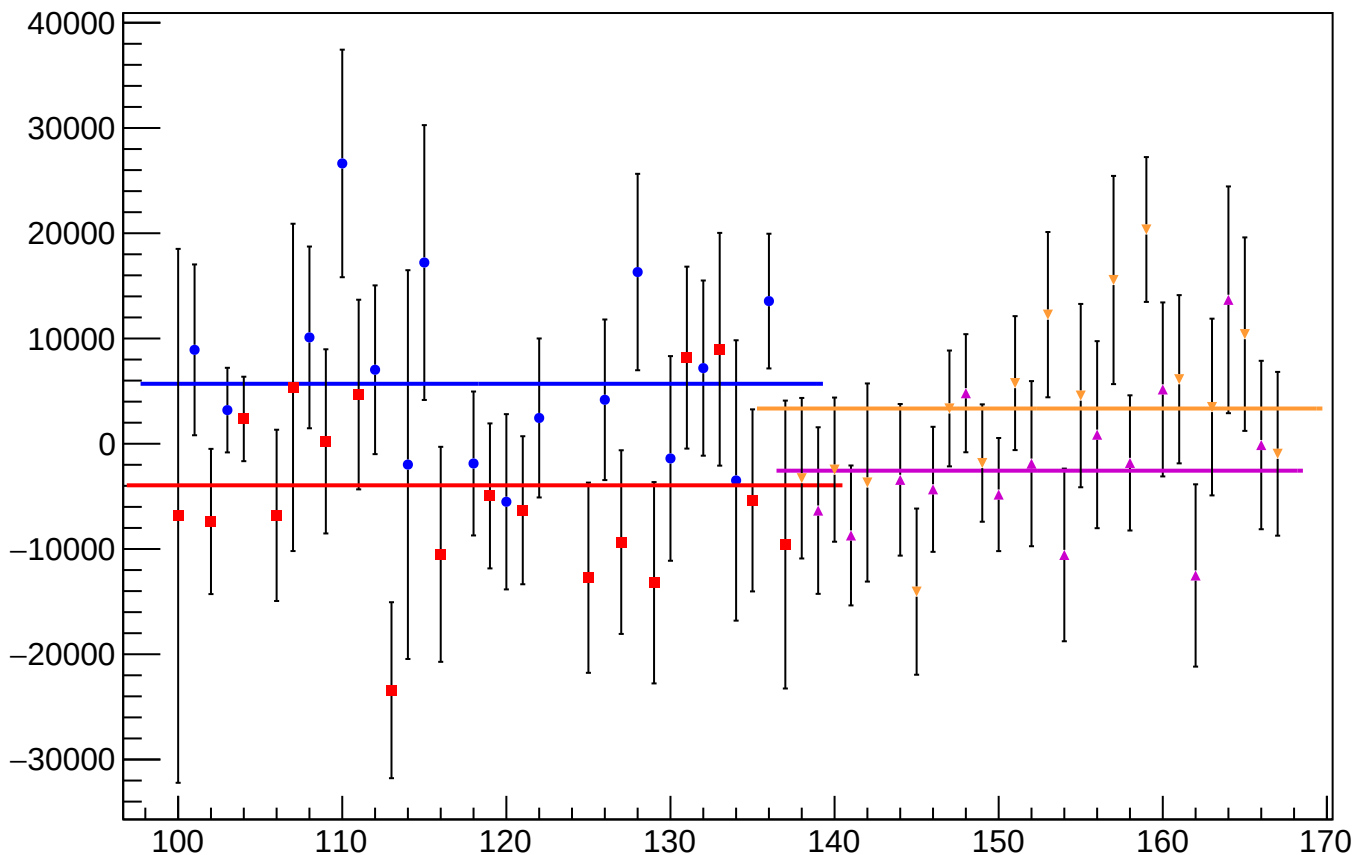
Left In: 6370.067 $\pm$ 1.350 χ^2 /NDF: 654181.3/13

+ sign 5676.646 $\pm$ 0.949 χ^2 /NDF: 1844548.4/30

All: 5479.040 $\pm$ 0.653 χ^2 /NDF: 4873016.3/62

- sign 5300.620 $\pm$ 0.901 χ^2 /NDF: 2945896.4/31

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF : 12.6/15

Left Out: 3347.654+/-1908.114 χ^2/NDF : 17.9/14

Right Out: -3949.394+/-1920.582 χ^2/NDF : 16.1/17

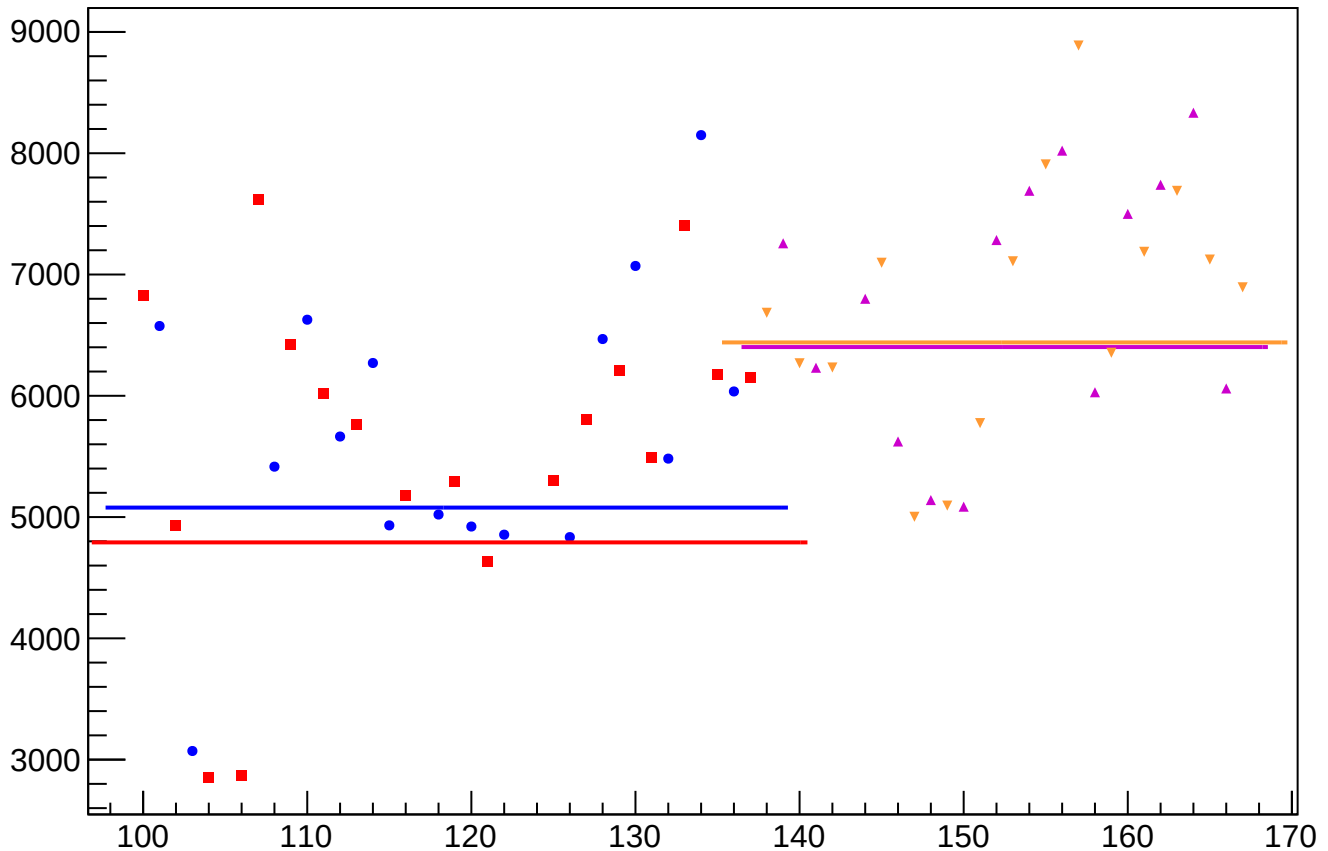
Left In: -2559.180+/-1914.473 χ^2/NDF : 8.8/13

+ sign 4491.396+/-1366.949 χ^2/NDF : 31.2/30

All: 588.217+/-962.646 χ^2/NDF : 72.6/62

- sign -3252.072+/-1355.892 χ^2/NDF : 25.2/31

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF : 919209.4/15

Left Out: 6440.102+/-1.349 χ^2/NDF : 566767.9/14

+ sign 5777.111+/-0.967 χ^2/NDF : 1981985.4/30

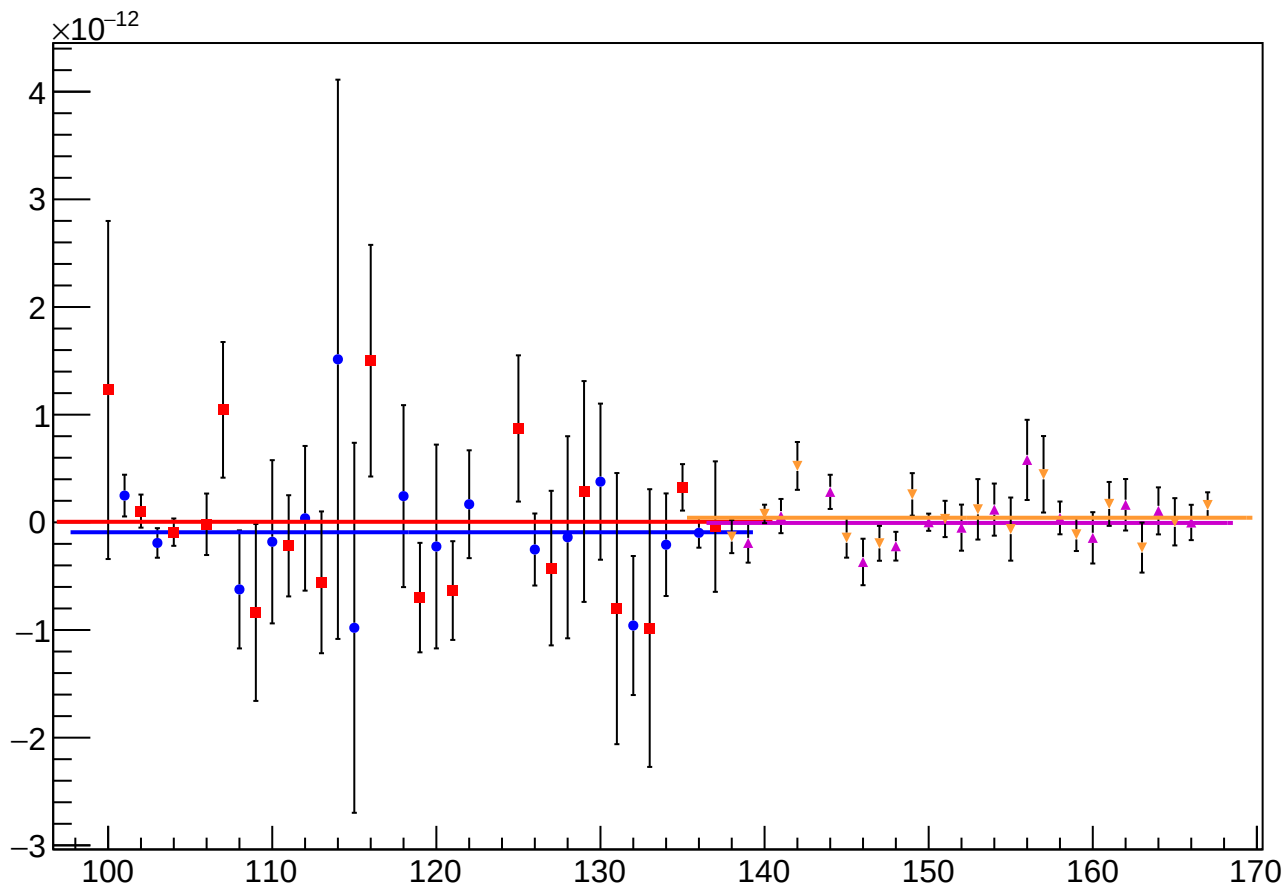
Right Out: 4791.154+/-1.331 χ^2/NDF : 1162455.3/17

All: 5678.104+/-0.677 χ^2/NDF : 4470137.5/62

- sign 5582.666+/-0.949 χ^2/NDF : 2467546.1/31

Left In: 6401.815+/-1.354 χ^2/NDF : 585147.8/13

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.9/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

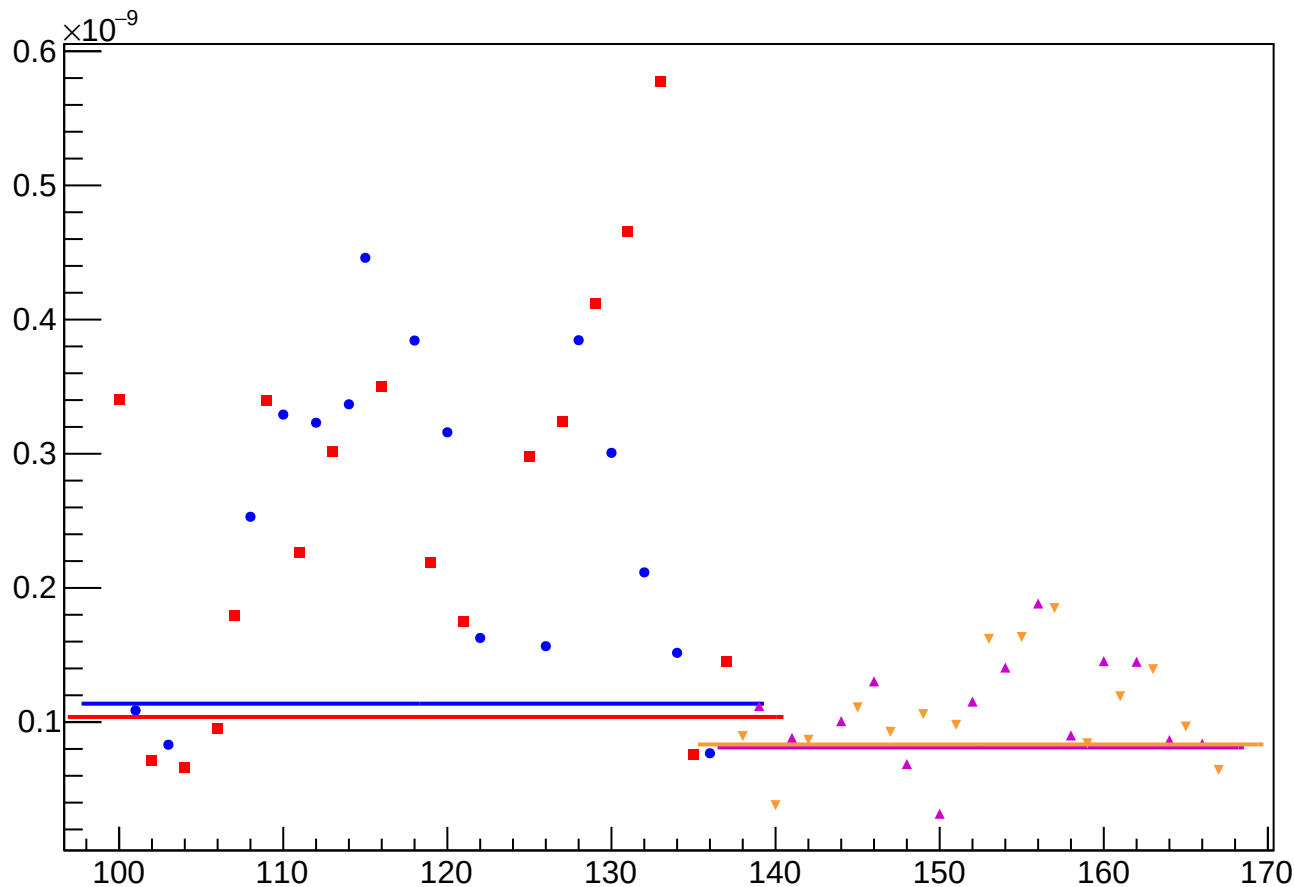
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.7/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.3/31

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1524807.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1361552.2/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2087534.7/17

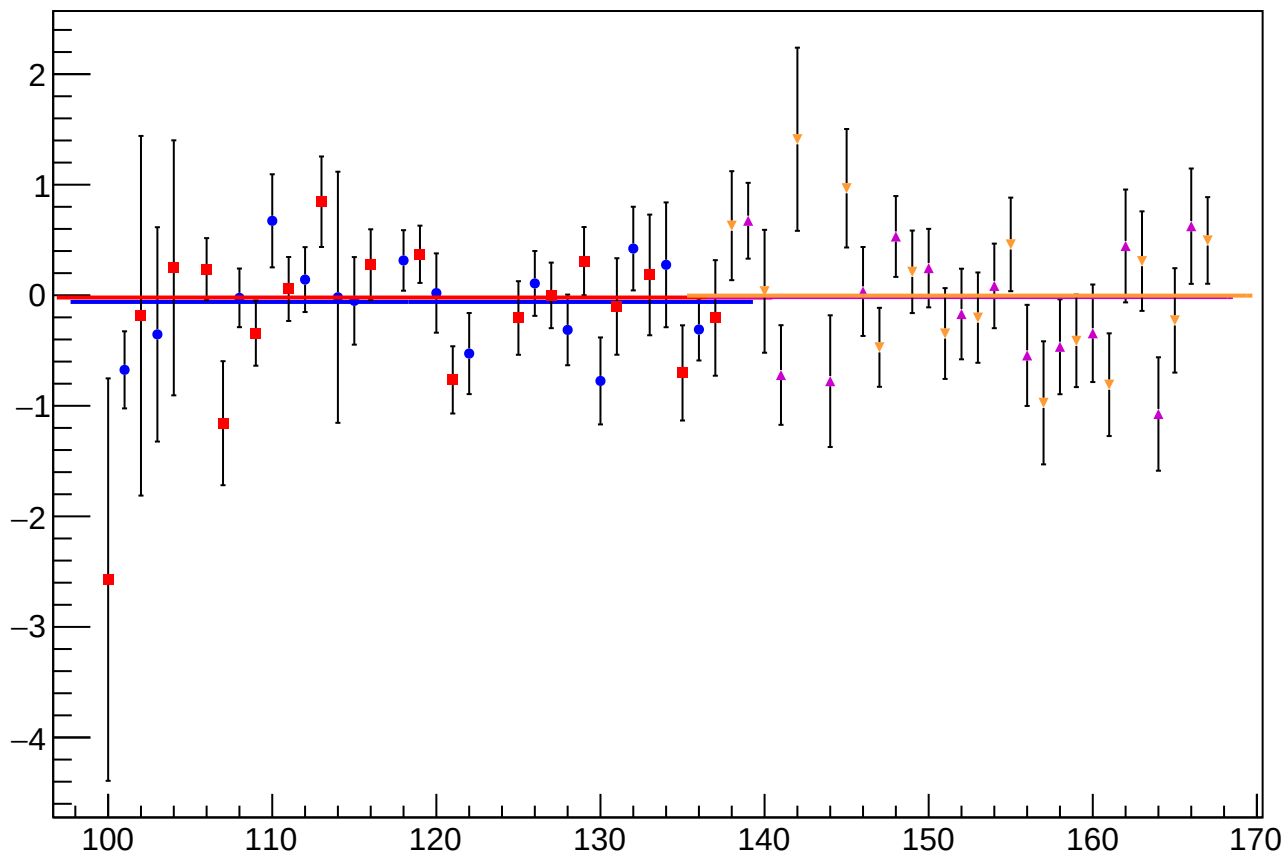
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1613306.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3119330.7/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6962275.4/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3832270.3/31

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: -0.003 ± 0.116 χ^2/NDF : 21.4/14

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

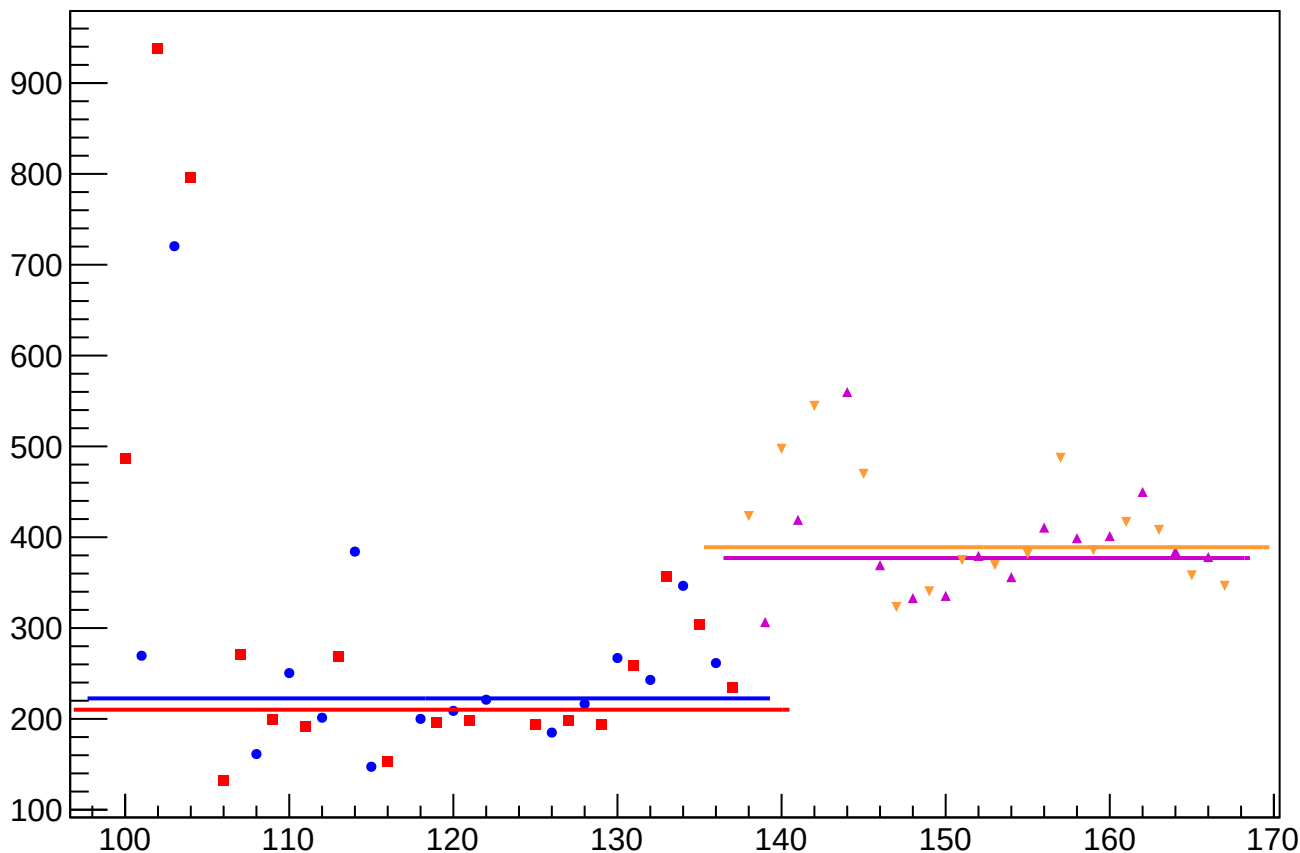
Left In: -0.017 ± 0.114 χ^2/NDF : 20.7/13

+ sign -0.039 ± 0.070 χ^2/NDF : 38.8/30

All: -0.029 ± 0.049 χ^2/NDF : 85.7/62

- sign -0.019 ± 0.069 χ^2/NDF : 46.8/31

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: 388.983 $\pm$ 0.082 χ^2/NDF : 416654.3/14

Right Out: 210.123 $\pm$ 0.062 χ^2/NDF : 1548526.4/17

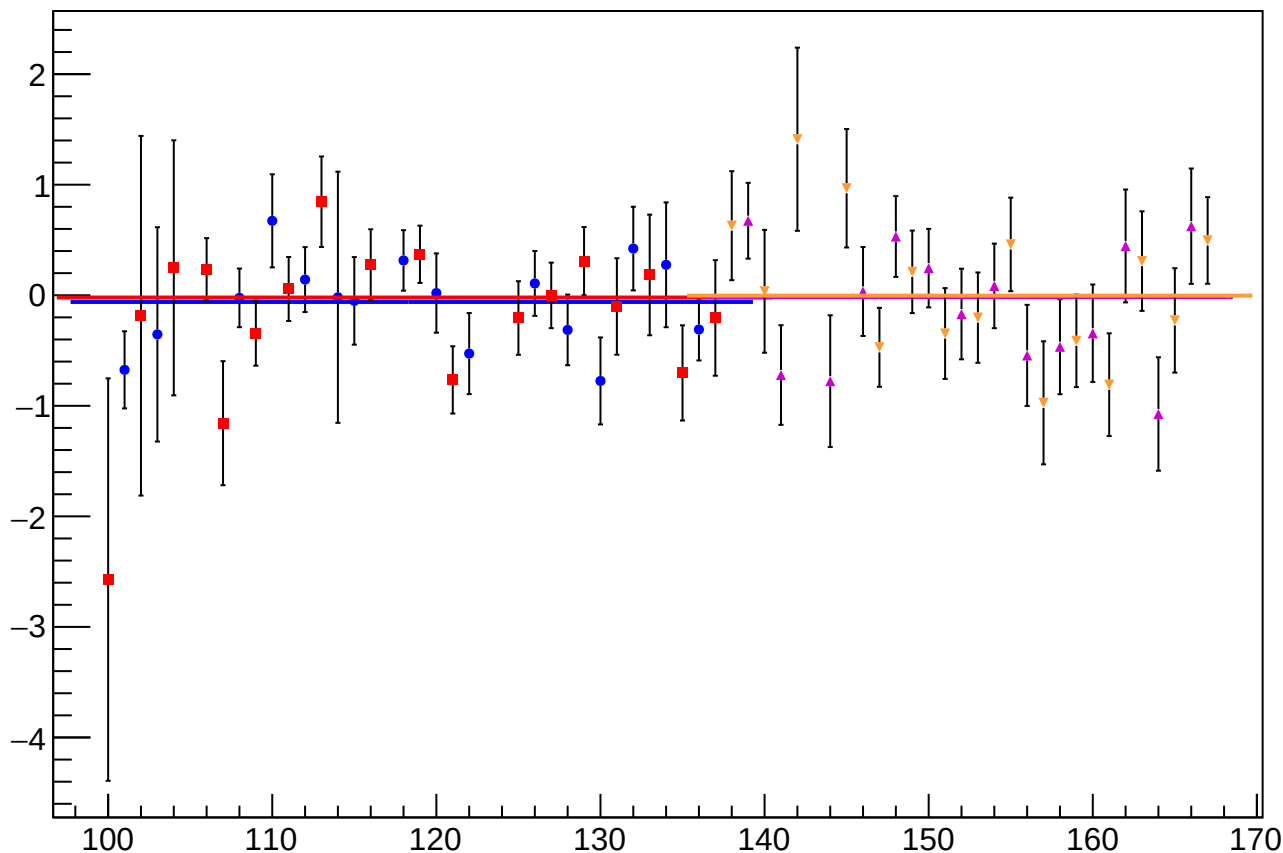
Left In: 377.101 $\pm$ 0.080 χ^2/NDF : 416690.7/13

+ sign 283.939 $\pm$ 0.050 χ^2/NDF : 4034040.9/30

All: 277.943 $\pm$ 0.035 χ^2/NDF : 8737127.1/62

- sign 272.137 $\pm$ 0.049 χ^2/NDF : 4674562.8/31

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: -0.003 ± 0.116 χ^2/NDF : 21.4/14

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

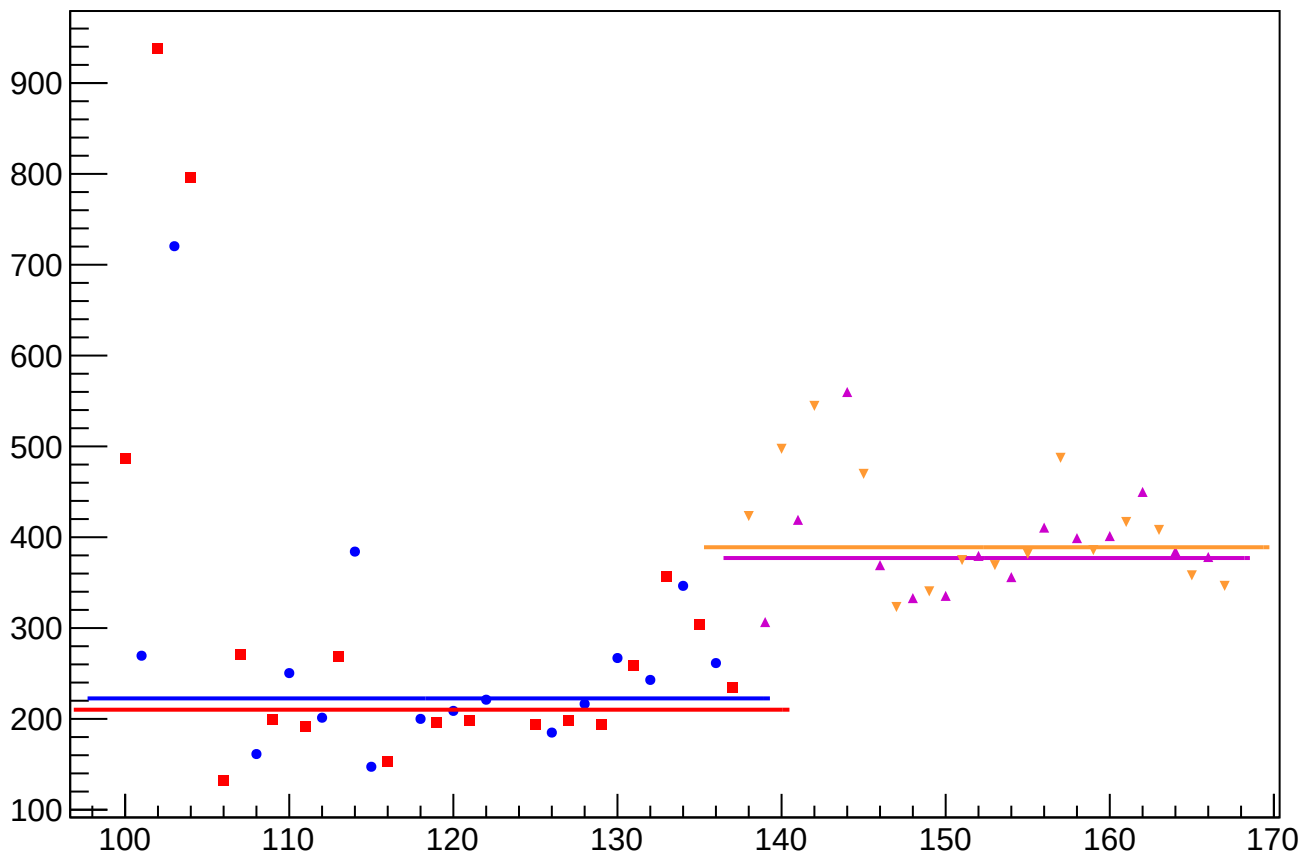
Left In: -0.017 ± 0.114 χ^2/NDF : 20.7/13

+ sign -0.039 ± 0.070 χ^2/NDF : 38.8/30

All: -0.029 ± 0.049 χ^2/NDF : 85.7/62

- sign -0.019 ± 0.069 χ^2/NDF : 46.8/31

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: 388.983 $\pm$ 0.082 χ^2/NDF : 416654.3/14

Right Out: 210.123 $\pm$ 0.062 χ^2/NDF : 1548526.4/17

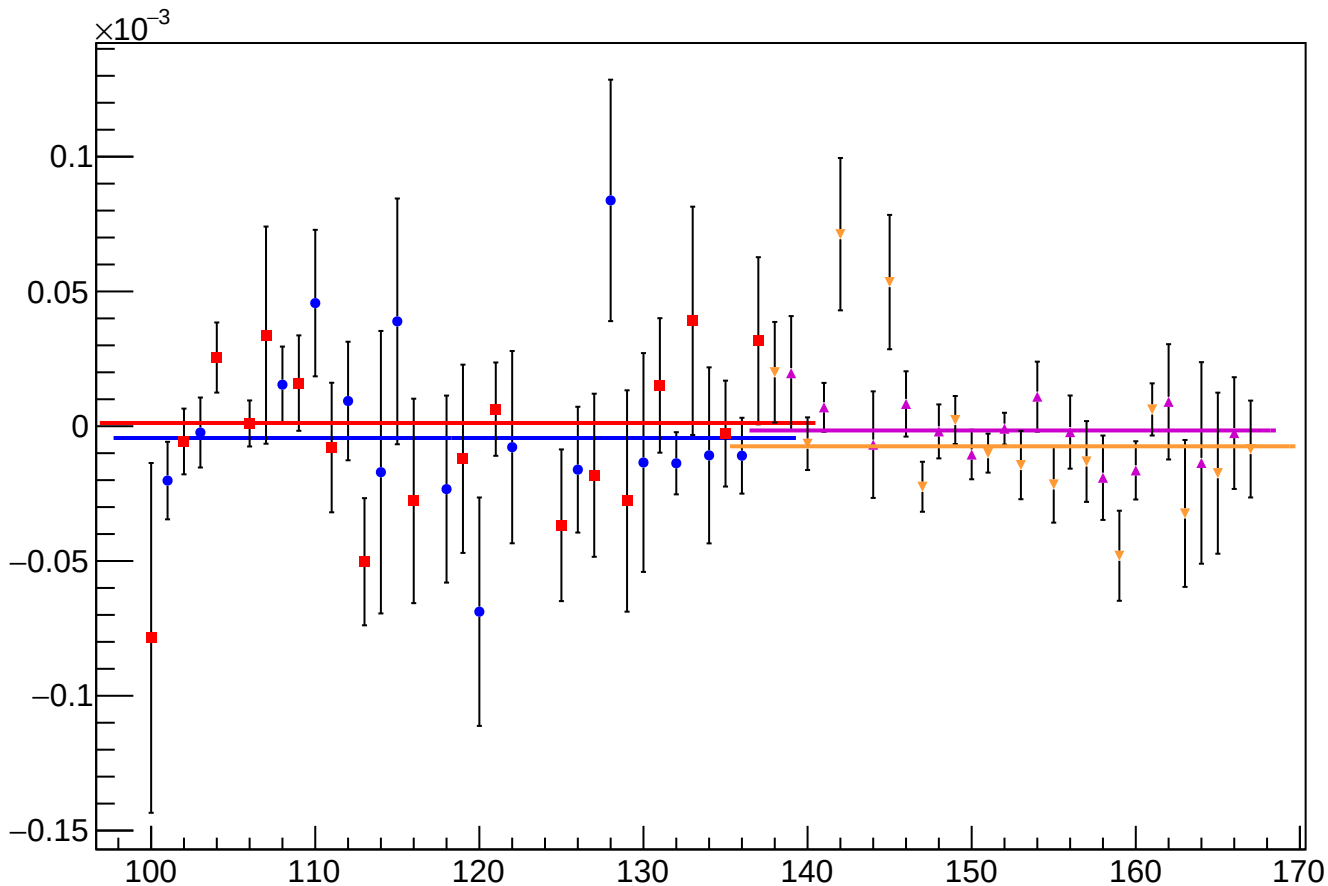
Left In: 377.101 $\pm$ 0.080 χ^2/NDF : 416690.7/13

+ sign 283.939 $\pm$ 0.050 χ^2/NDF : 4034040.9/30

All: 277.943 $\pm$ 0.035 χ^2/NDF : 8737127.1/62

- sign 272.137 $\pm$ 0.049 χ^2/NDF : 4674562.8/31

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_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: 30.1/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

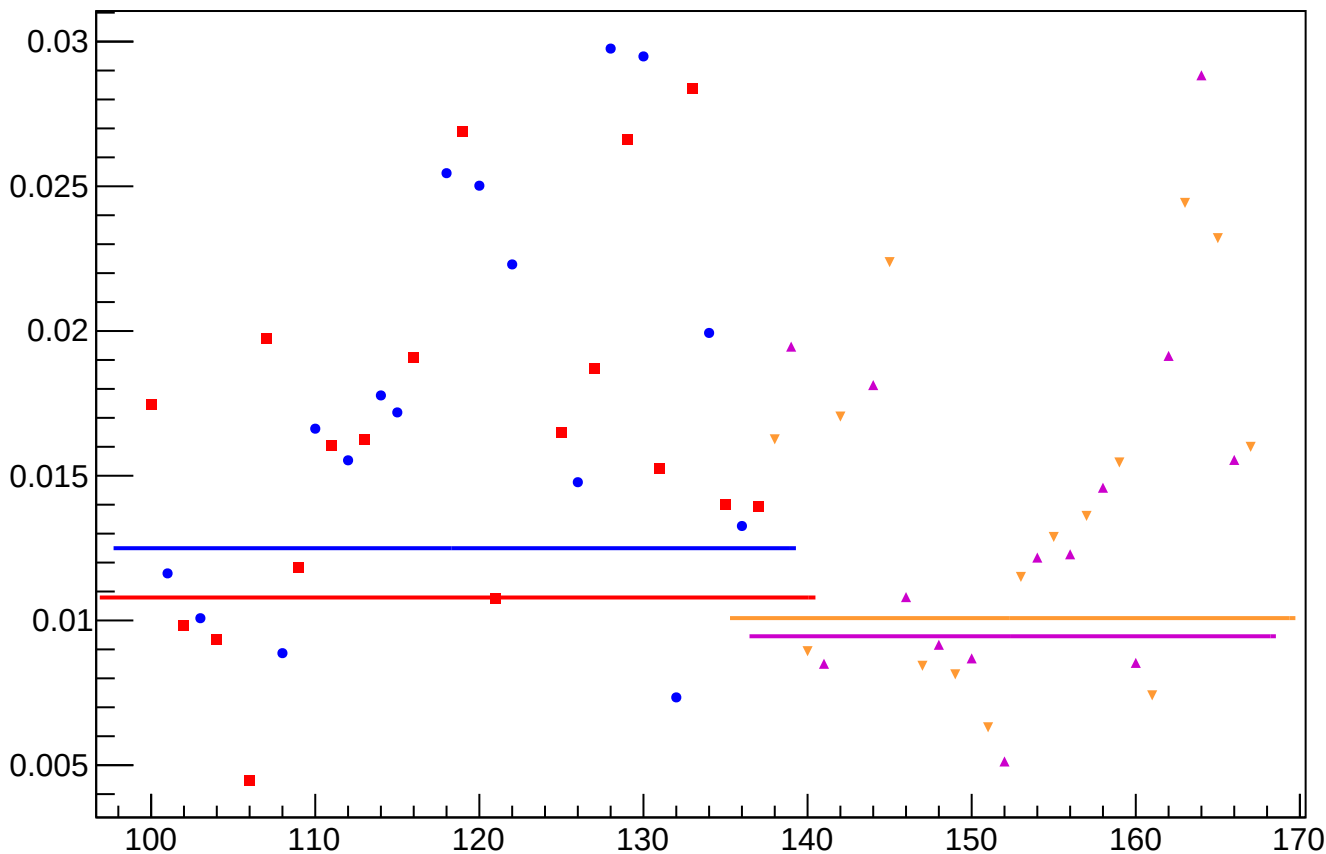
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.0/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 74.0/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/31

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 2114968.1/15

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 3288932.8/14

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 2987826.3/17

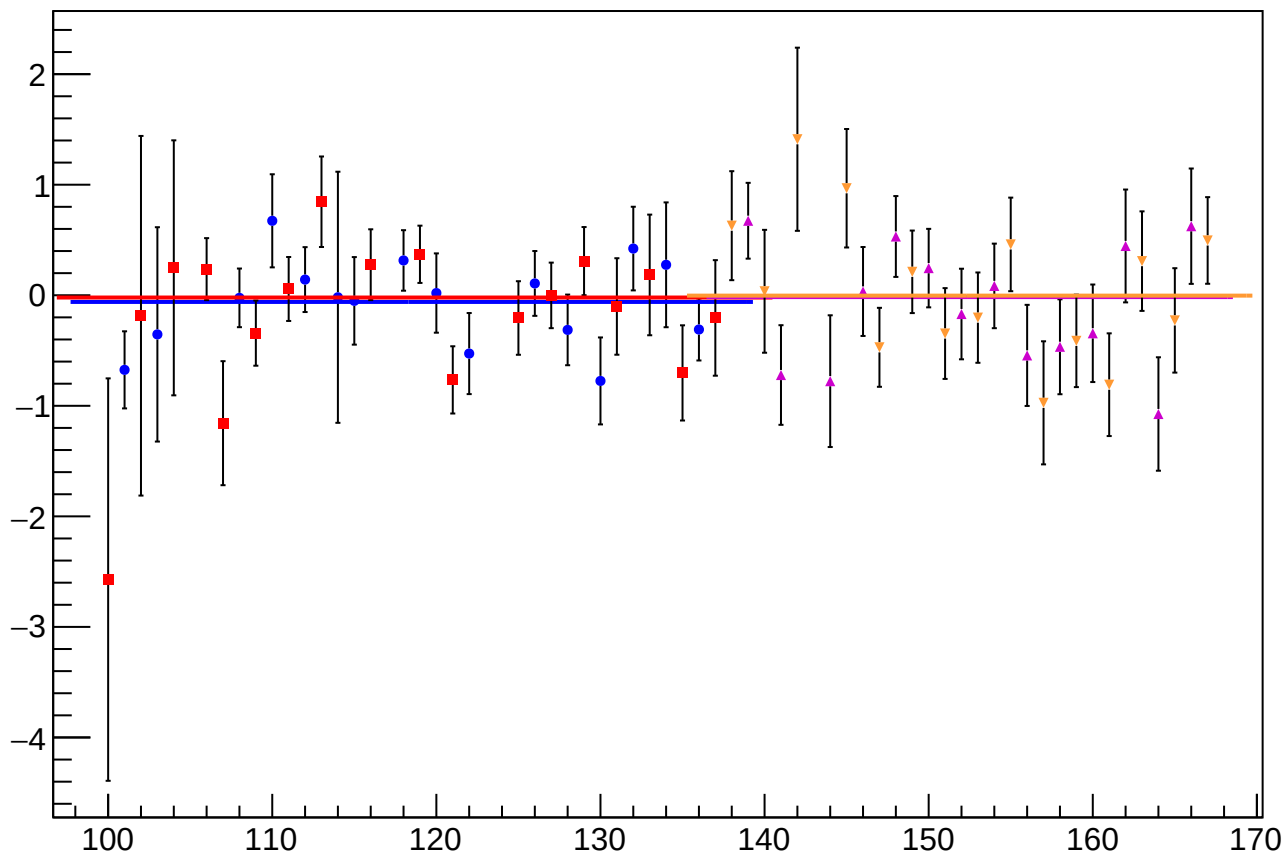
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 3491943.1/13

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 5724574.1/30

All: 0.010 $\pm$ 0.000 χ^2/NDF : 12437183.1/62

- sign 0.010 $\pm$ 0.000 χ^2/NDF : 6596669.4/31

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: -0.003 ± 0.116 χ^2/NDF : 21.4/14

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

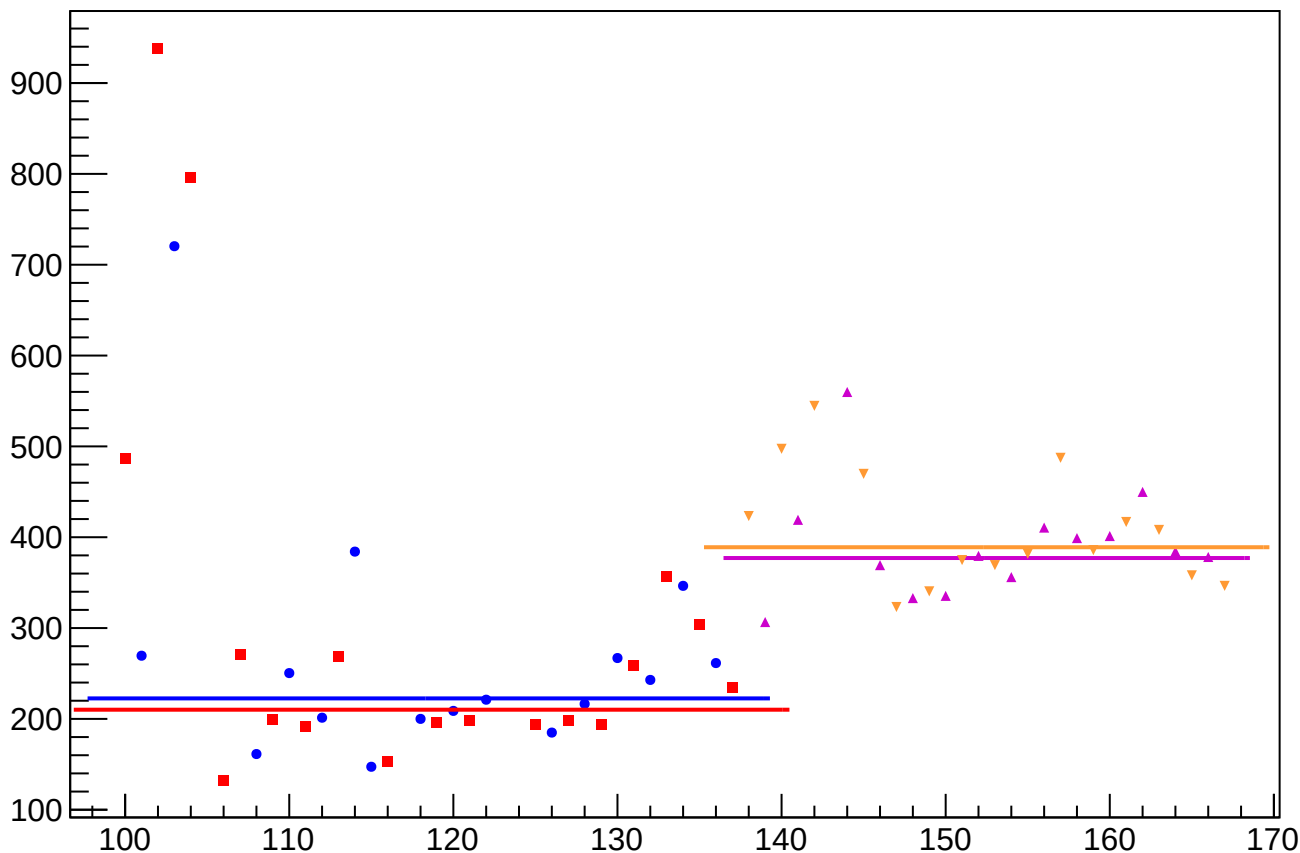
Left In: -0.017 ± 0.114 χ^2/NDF : 20.7/13

+ sign -0.039 ± 0.070 χ^2/NDF : 38.8/30

All: -0.029 ± 0.049 χ^2/NDF : 85.7/62

- sign -0.019 ± 0.069 χ^2/NDF : 46.8/31

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: 388.989 $\pm$ 0.082 χ^2 /NDF: 416658.7/14

Right Out: 210.120 $\pm$ 0.062 χ^2 /NDF: 1548507.5/17

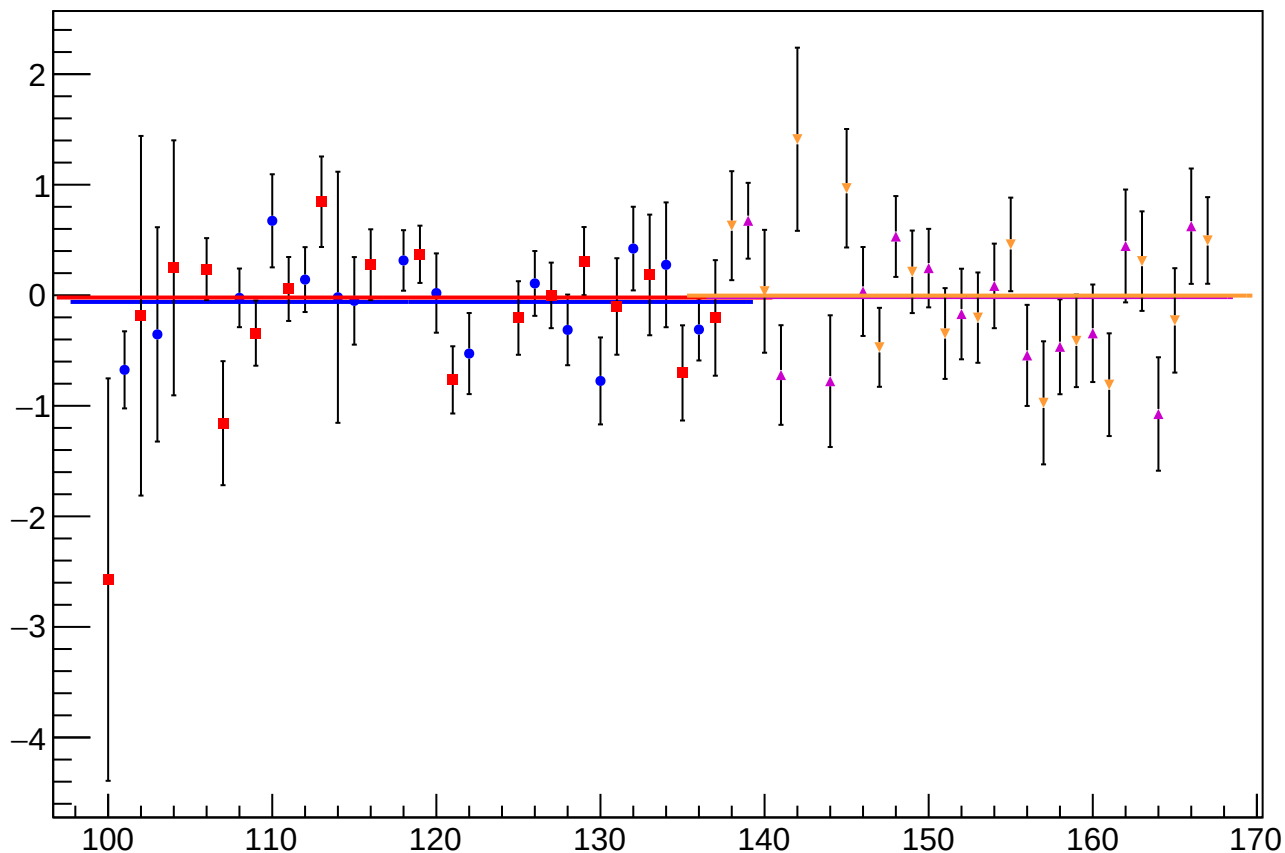
Left In: 377.107 $\pm$ 0.080 χ^2 /NDF: 416689.5/13

+ sign 283.938 $\pm$ 0.050 χ^2 /NDF: 4034243.8/30

All: 277.942 $\pm$ 0.035 χ^2 /NDF: 8737567.8/62

- sign 272.135 $\pm$ 0.049 χ^2 /NDF: 4674795.9/31

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: -0.003 ± 0.116 χ^2/NDF : 21.4/14

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

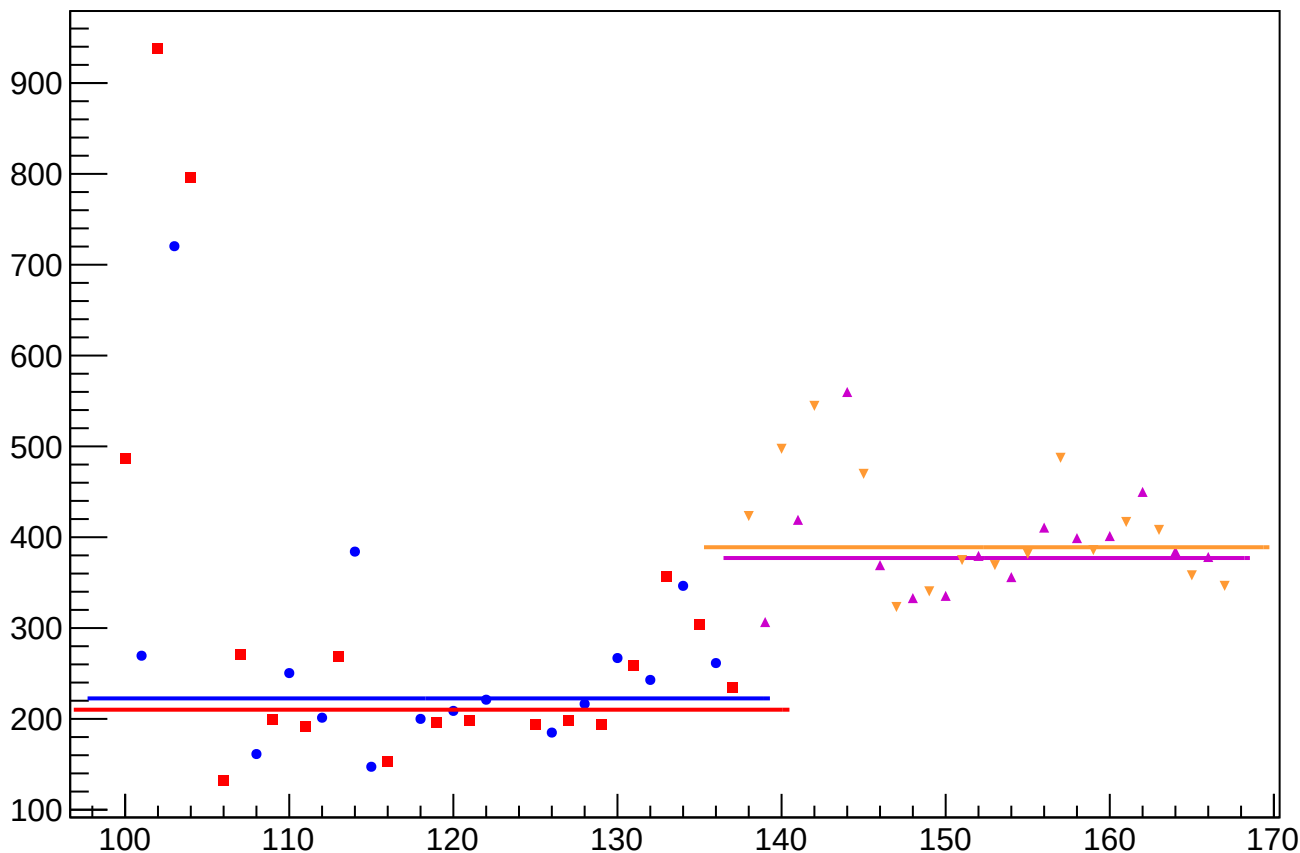
Left In: -0.017 ± 0.114 χ^2/NDF : 20.7/13

+ sign -0.039 ± 0.070 χ^2/NDF : 38.8/30

All: -0.029 ± 0.049 χ^2/NDF : 85.7/62

- sign -0.019 ± 0.069 χ^2/NDF : 46.8/31

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: 388.989 $\pm$ 0.082 χ^2 /NDF: 416658.7/14

Right Out: 210.120 $\pm$ 0.062 χ^2 /NDF: 1548507.5/17

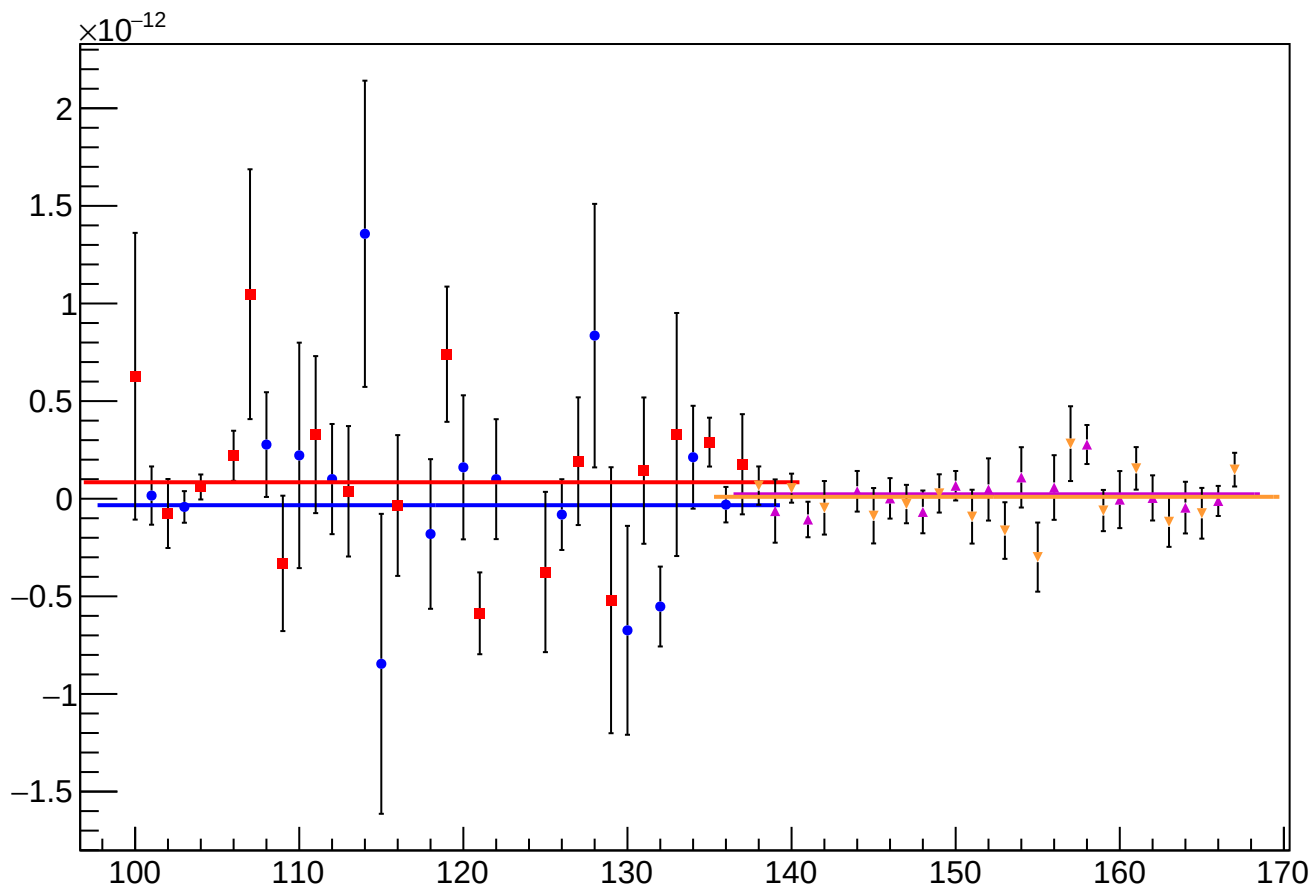
Left In: 377.107 $\pm$ 0.080 χ^2 /NDF: 416689.5/13

+ sign 283.938 $\pm$ 0.050 χ^2 /NDF: 4034243.8/30

All: 277.942 $\pm$ 0.035 χ^2 /NDF: 8737567.8/62

- sign 272.135 $\pm$ 0.049 χ^2 /NDF: 4674795.9/31

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 : 14.8/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.8/17

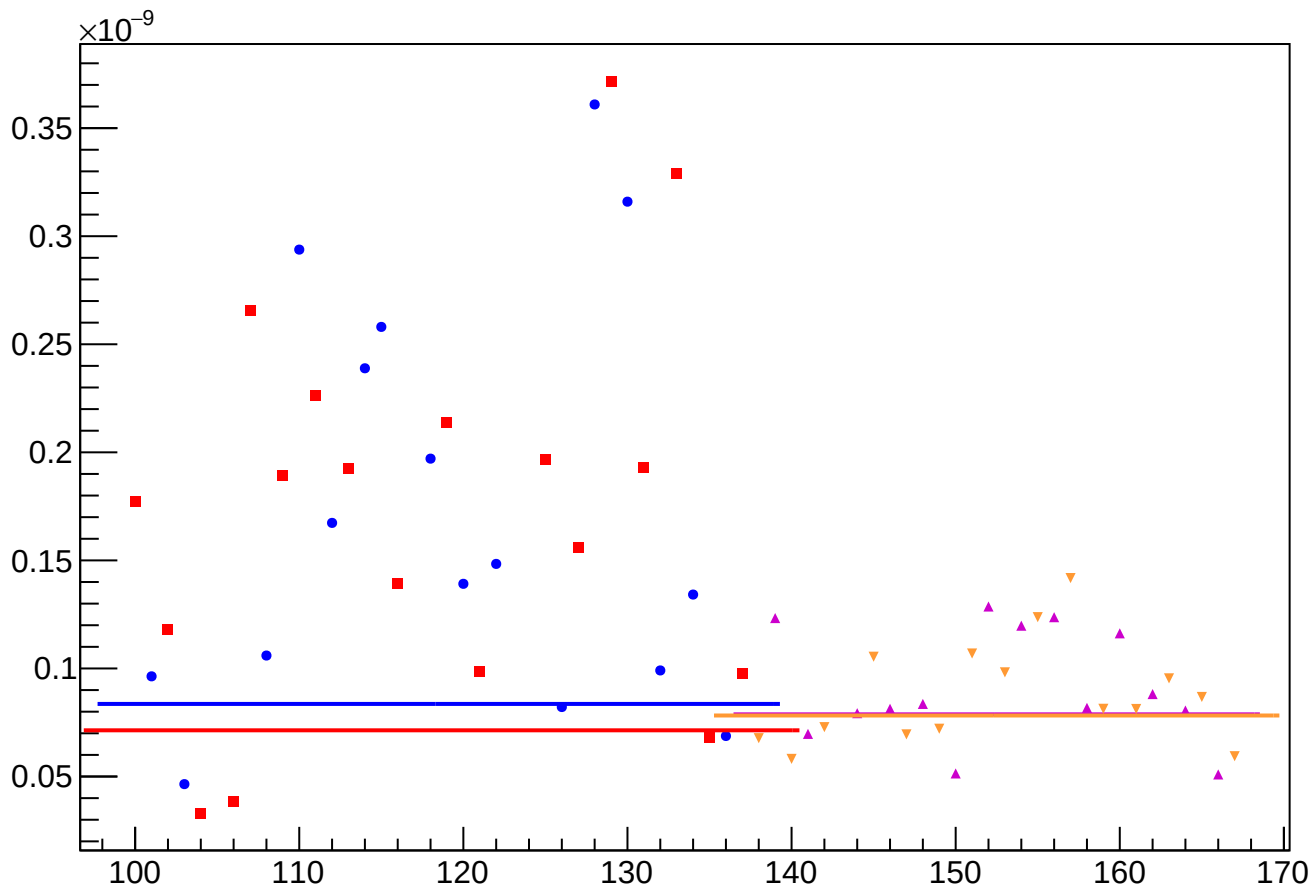
Left In: 0.000 ± 0.000 χ^2/NDF : 10.8/13

+ sign -0.000 ± 0.000 χ^2/NDF : 32.6/30

All: 0.000 ± 0.000 χ^2/NDF : 72.1/62

- sign 0.000 ± 0.000 χ^2/NDF : 38.0/31

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 : 889005.4/14

Right Out: 0.000+/-0.000 χ^2/NDF : 3745180.4/17

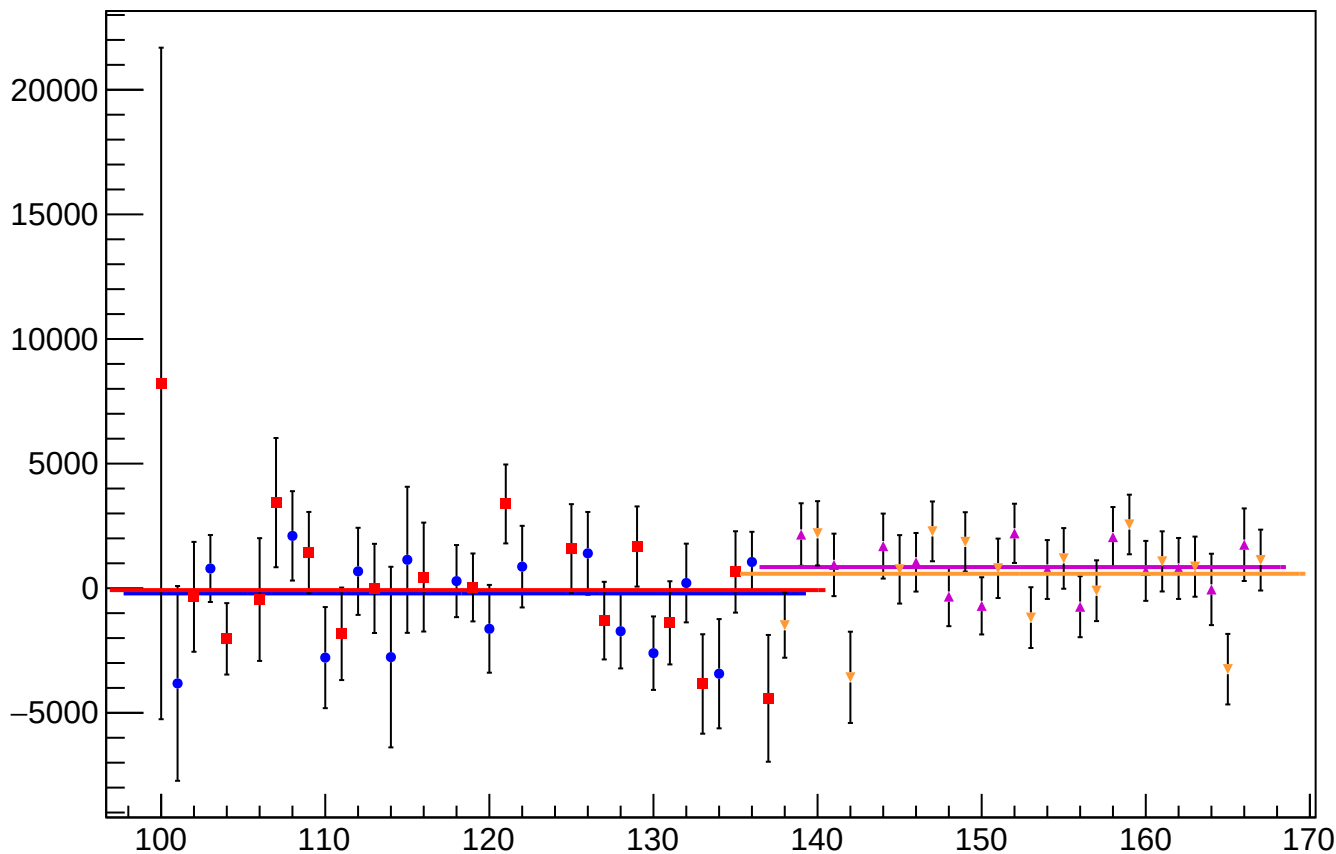
Left In: 0.000+/-0.000 χ^2/NDF : 1330193.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 3143128.6/30

All: 0.000+/-0.000 χ^2/NDF : 8274071.9/62

- sign 0.000+/-0.000 χ^2/NDF : 5114121.4/31

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338 ± 429.155 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 580.184 ± 326.437 $\chi^2/\text{NDF}: 25.6/14$

Right Out: -75.616 ± 430.760 $\chi^2/\text{NDF}: 20.7/17$

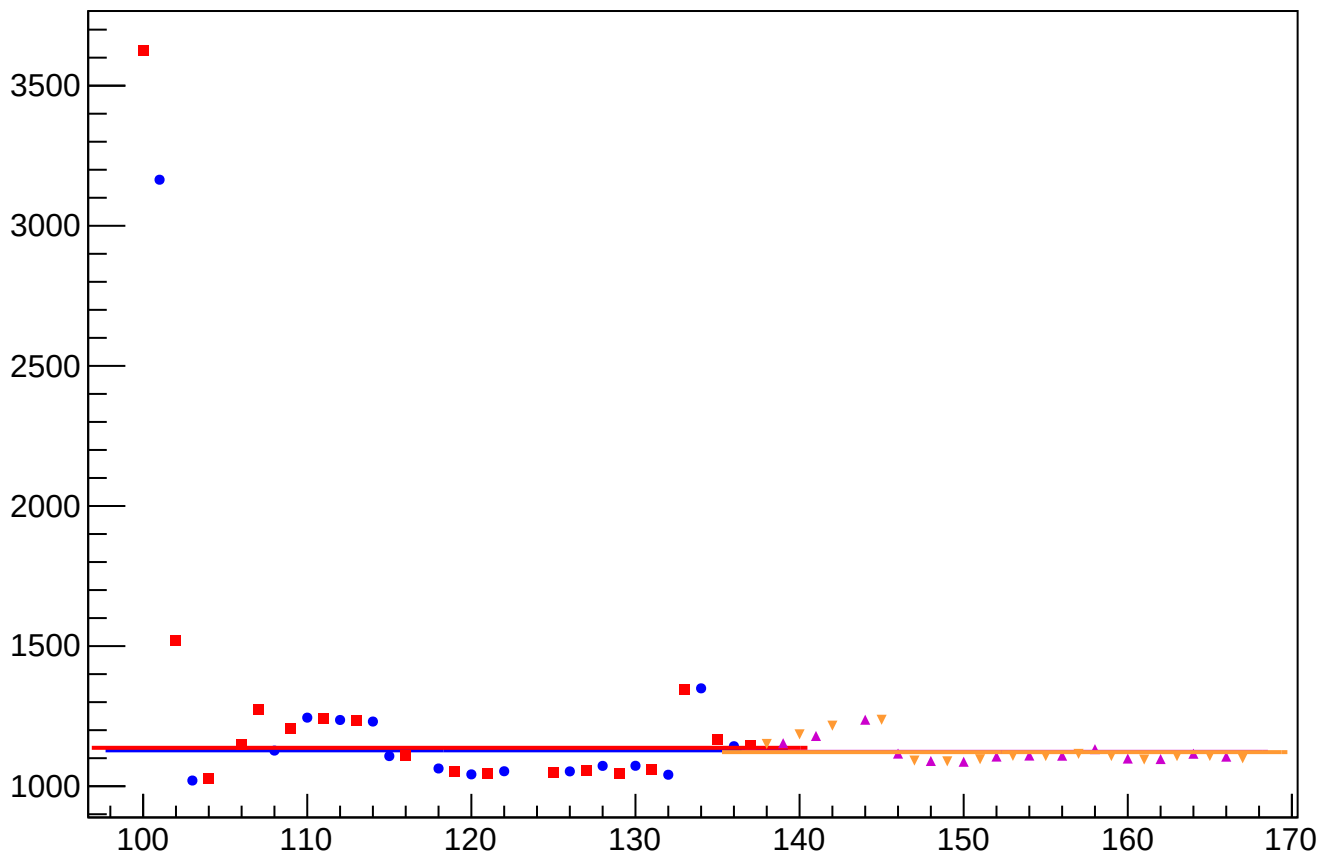
Left In: 848.903 ± 330.585 $\chi^2/\text{NDF}: 9.1/13$

+ sign 291.172 ± 259.815 $\chi^2/\text{NDF}: 42.5/30$

All: 397.690 ± 184.574 $\chi^2/\text{NDF}: 75.5/62$

- sign 506.218 ± 262.256 $\chi^2/\text{NDF}: 32.7/31$

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: 1121.628 $\pm$ 0.231 χ^2 /NDF: 31911.1/14

Right Out: 1137.041 $\pm$ 0.304 χ^2 /NDF: 220086.1/17

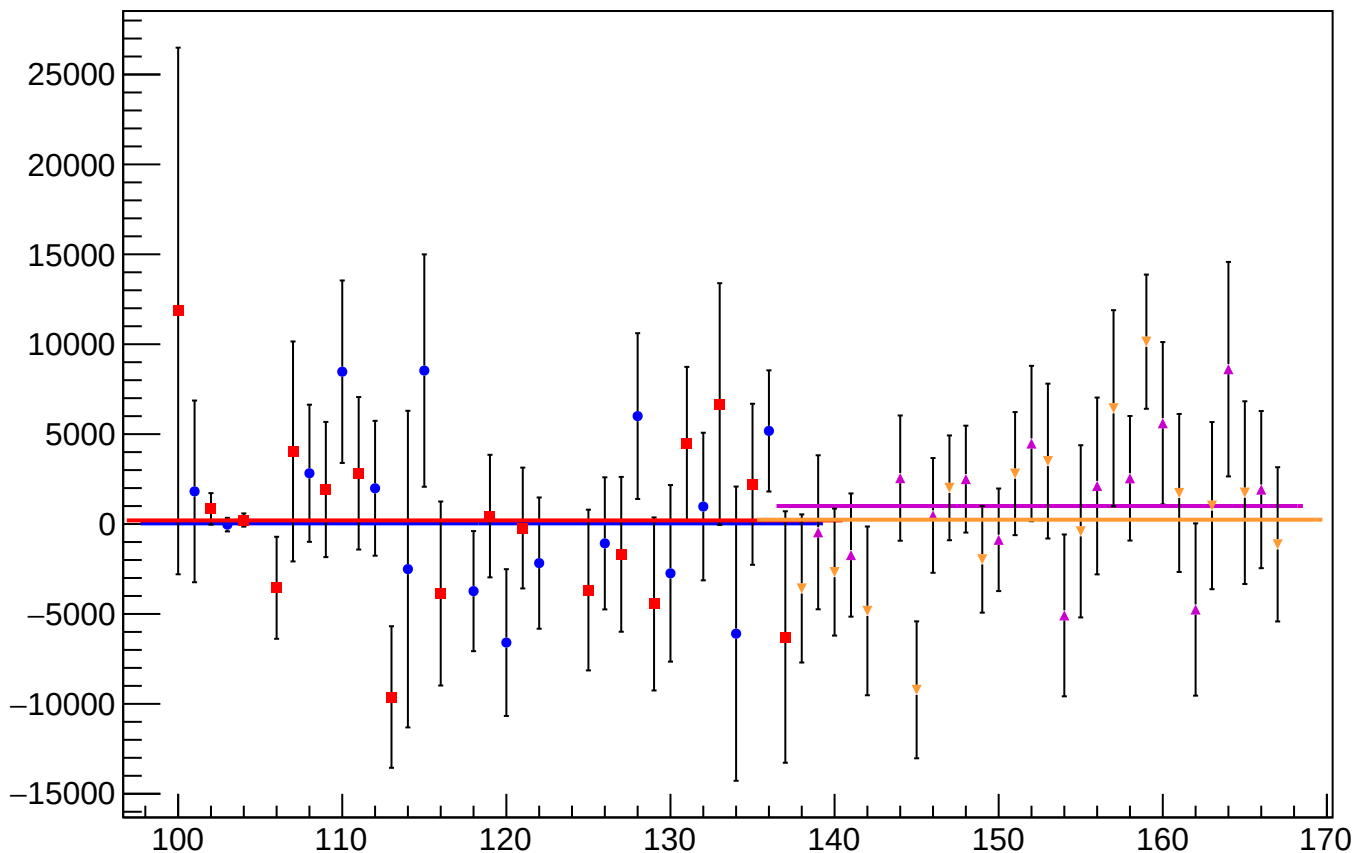
Left In: 1122.673 $\pm$ 0.234 χ^2 /NDF: 27232.7/13

+ sign 1123.966 $\pm$ 0.184 χ^2 /NDF: 653585.5/30

All: 1125.971 $\pm$ 0.130 χ^2 /NDF: 902548.3/62

- sign 1128.011 $\pm$ 0.185 χ^2 /NDF: 248722.5/31

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: 241.199+/-1018.277 χ^2/NDF : 19.6/14

Right Out: 201.642+/-322.545 χ^2/NDF : 15.6/17

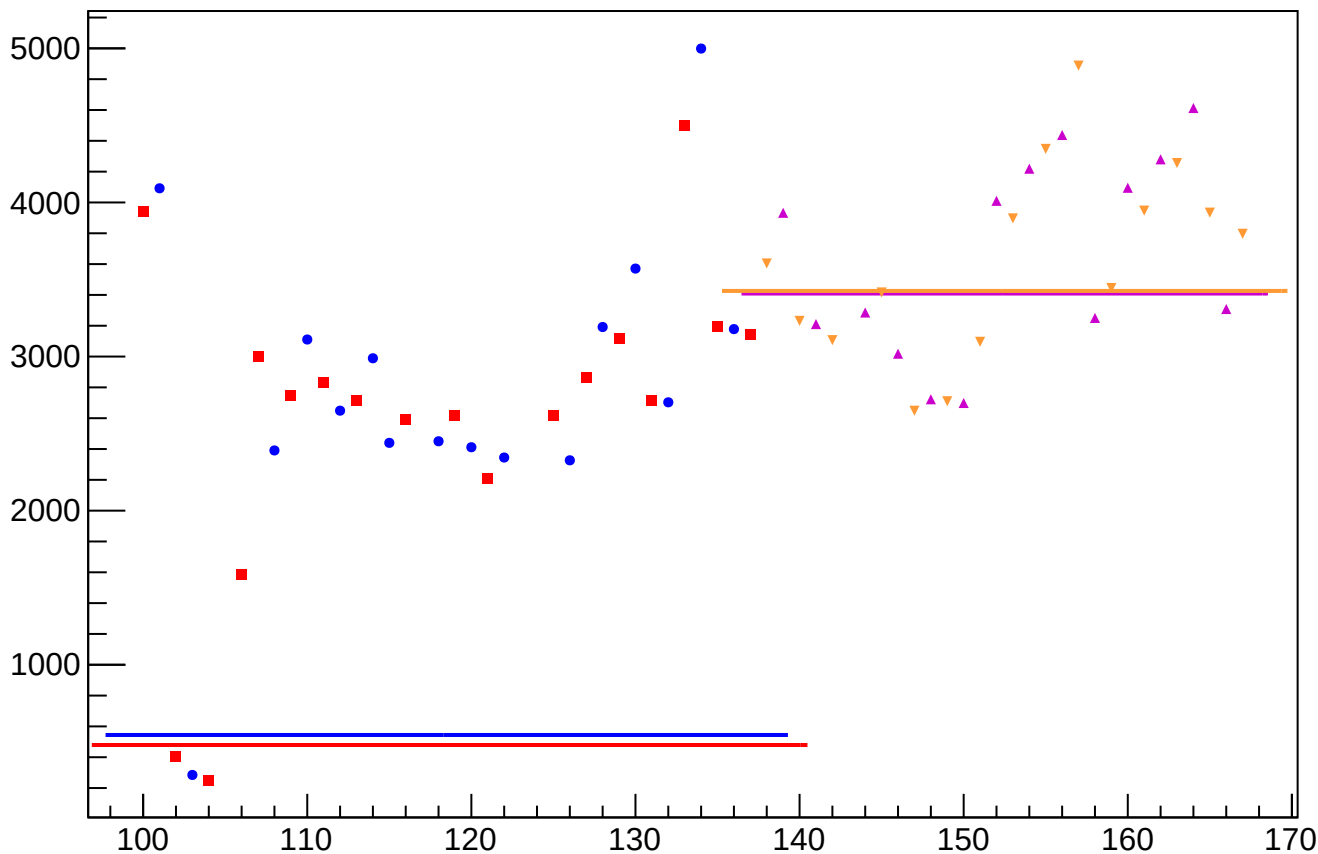
Left In: 1002.590+/-1022.075 χ^2/NDF : 8.5/13

+ sign 60.582+/-337.442 χ^2/NDF : 34.5/30

All: 177.246+/-227.322 χ^2/NDF : 59.4/62

- sign 274.183+/-307.592 χ^2/NDF : 24.7/31

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: 3425.848 $\pm$ 0.720 χ^2 /NDF: 665202.6/14

Right Out: 479.253 $\pm$ 0.228 χ^2 /NDF: 9187985.0/17

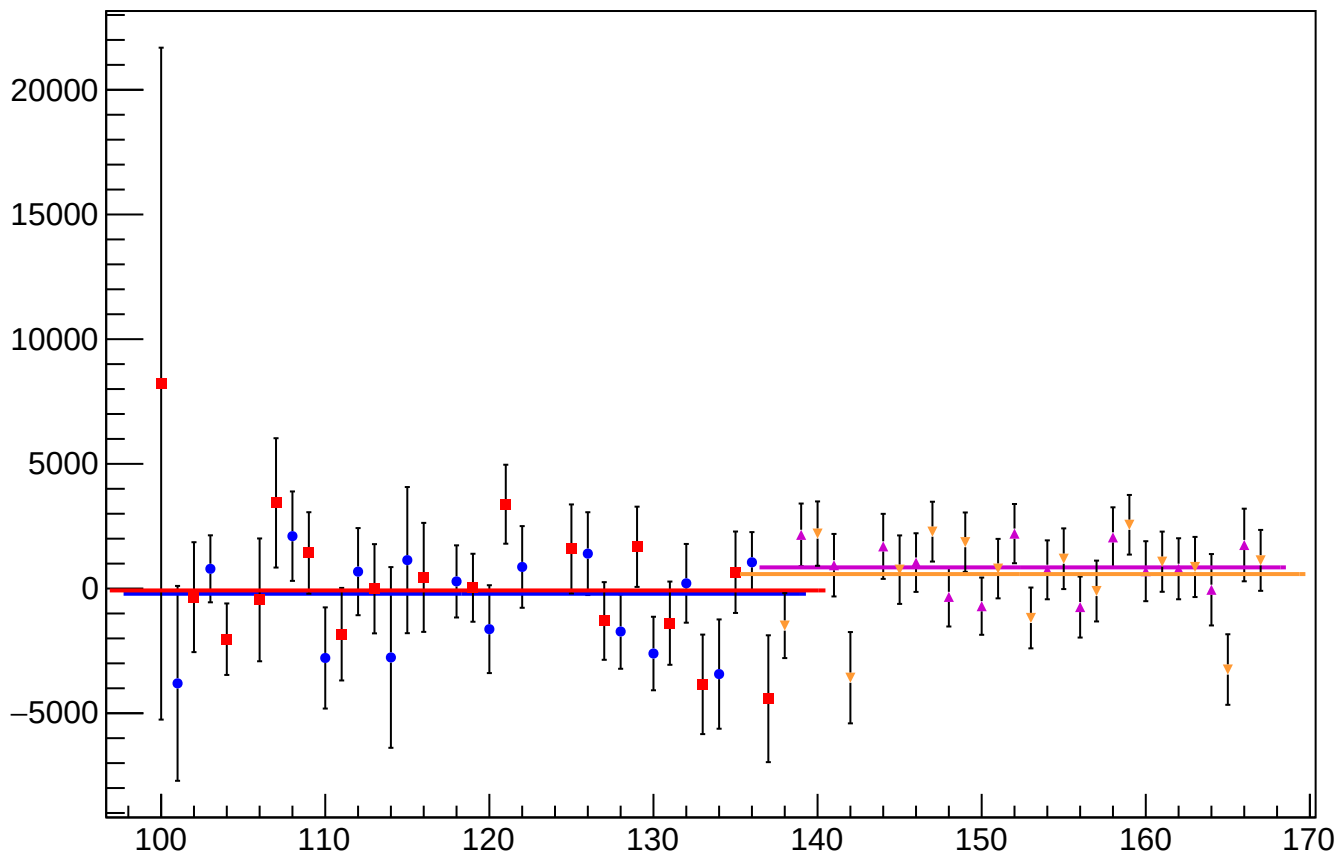
Left In: 3409.020 $\pm$ 0.723 χ^2 /NDF: 689937.6/13

+ sign 860.773 $\pm$ 0.239 χ^2 /NDF: 24604852.0/30

All: 797.323 $\pm$ 0.161 χ^2 /NDF: 49557381.4/62

- sign 744.601 $\pm$ 0.218 χ^2 /NDF: 24823060.4/31

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110 ± 429.155 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 580.231 ± 326.437 $\chi^2/\text{NDF}: 25.6/14$

Right Out: -75.761 ± 430.760 $\chi^2/\text{NDF}: 20.7/17$

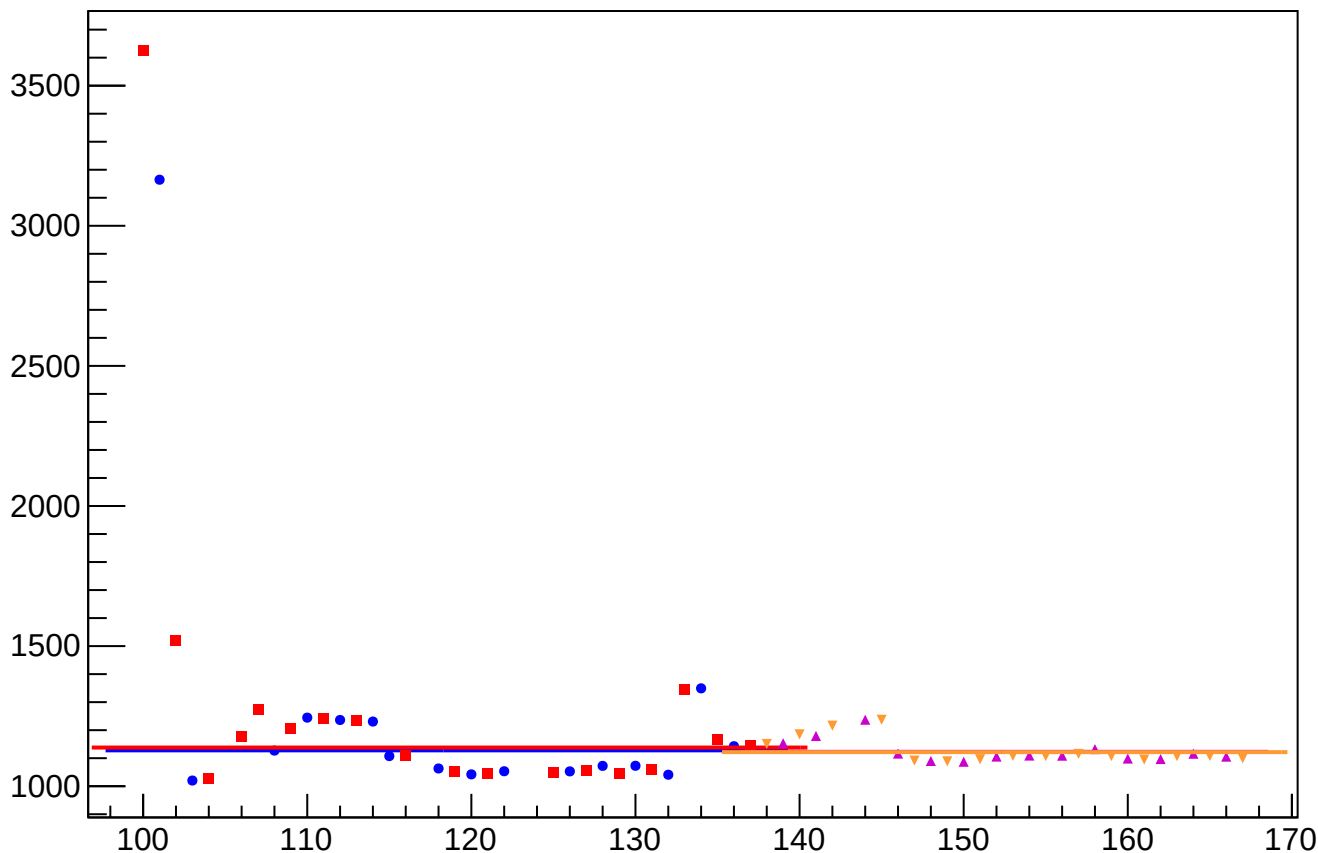
Left In: 848.933 ± 330.585 $\chi^2/\text{NDF}: 9.1/13$

+ sign 291.285 ± 259.815 $\chi^2/\text{NDF}: 42.5/30$

All: 397.730 ± 184.574 $\chi^2/\text{NDF}: 75.5/62$

- sign 506.183 ± 262.256 $\chi^2/\text{NDF}: 32.7/31$

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: 1121.628 $\pm$ 0.231 χ^2 /NDF: 31911.0/14

+ sign 1123.966 $\pm$ 0.184 χ^2 /NDF: 653586.6/30

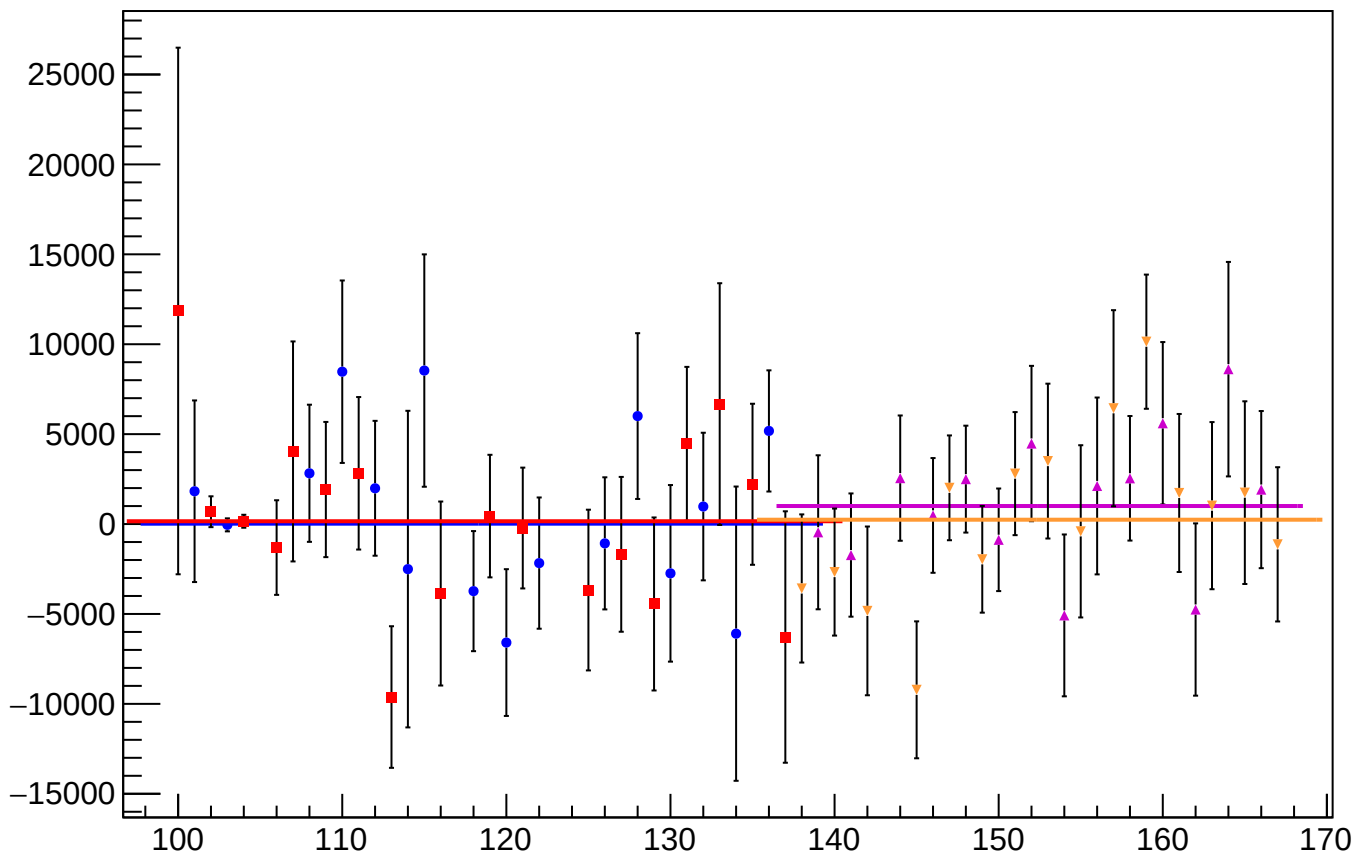
Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

All: 1126.142 $\pm$ 0.131 χ^2 /NDF: 903321.5/62

Left In: 1122.673 $\pm$ 0.234 χ^2 /NDF: 27232.7/13

- sign 1128.358 $\pm$ 0.185 χ^2 /NDF: 249451.8/31

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: 21.645+/-344.525 χ^2/NDF : 14.9/15

Left Out: 241.225+/-1018.277 χ^2/NDF : 19.6/14

Right Out: 156.231+/-317.367 χ^2/NDF : 14.0/17

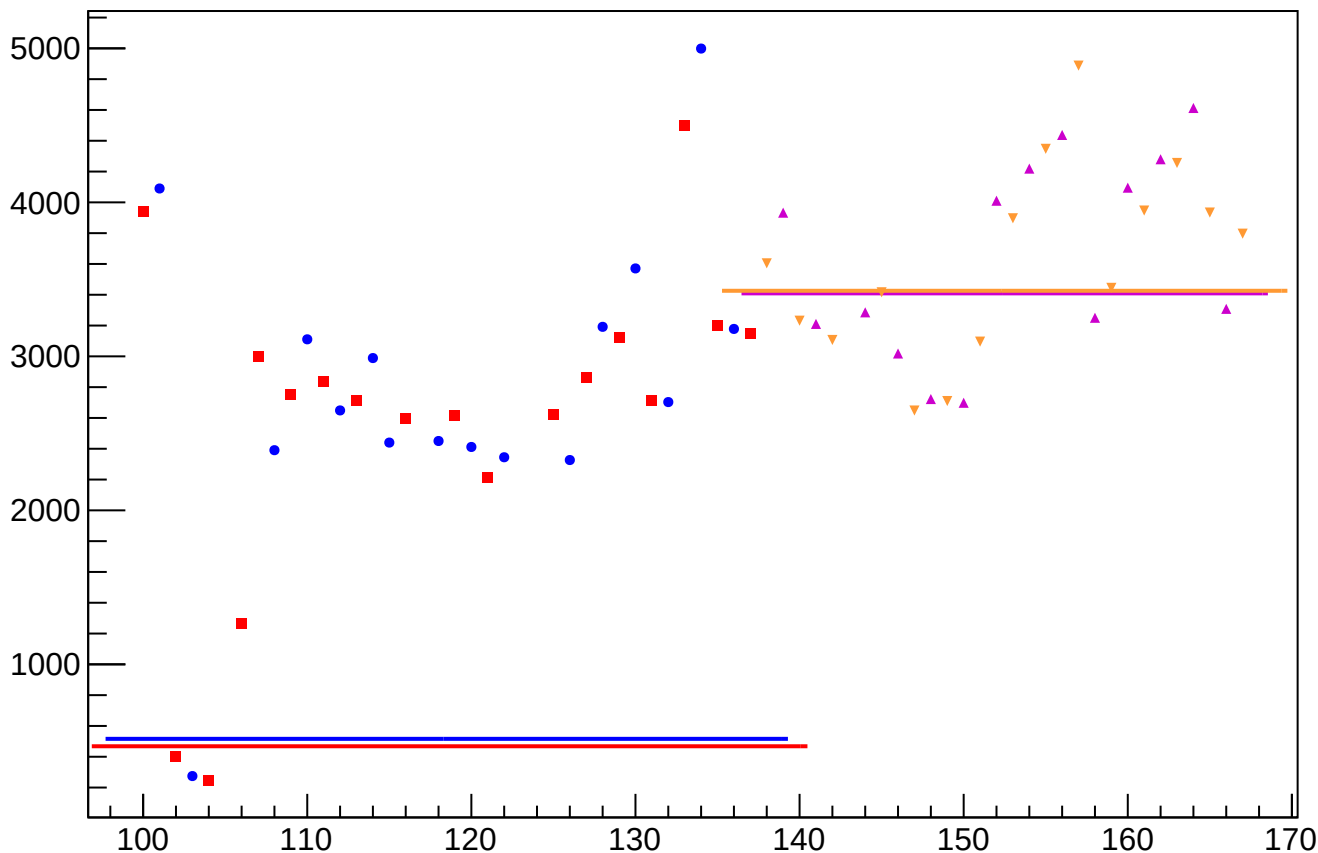
Left In: 1002.600+/-1022.075 χ^2/NDF : 8.5/13

+ sign 44.200+/-326.352 χ^2/NDF : 34.5/30

All: 144.311+/-222.086 χ^2/NDF : 57.9/62

- sign 230.660+/-303.092 χ^2/NDF : 23.2/31

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 516.297 $\pm$ 0.244 χ^2 /NDF: 9834669.6/15

Left Out: 3425.848 $\pm$ 0.720 χ^2 /NDF: 665208.8/14

Right Out: 468.060 $\pm$ 0.224 χ^2 /NDF: 9111222.0/17

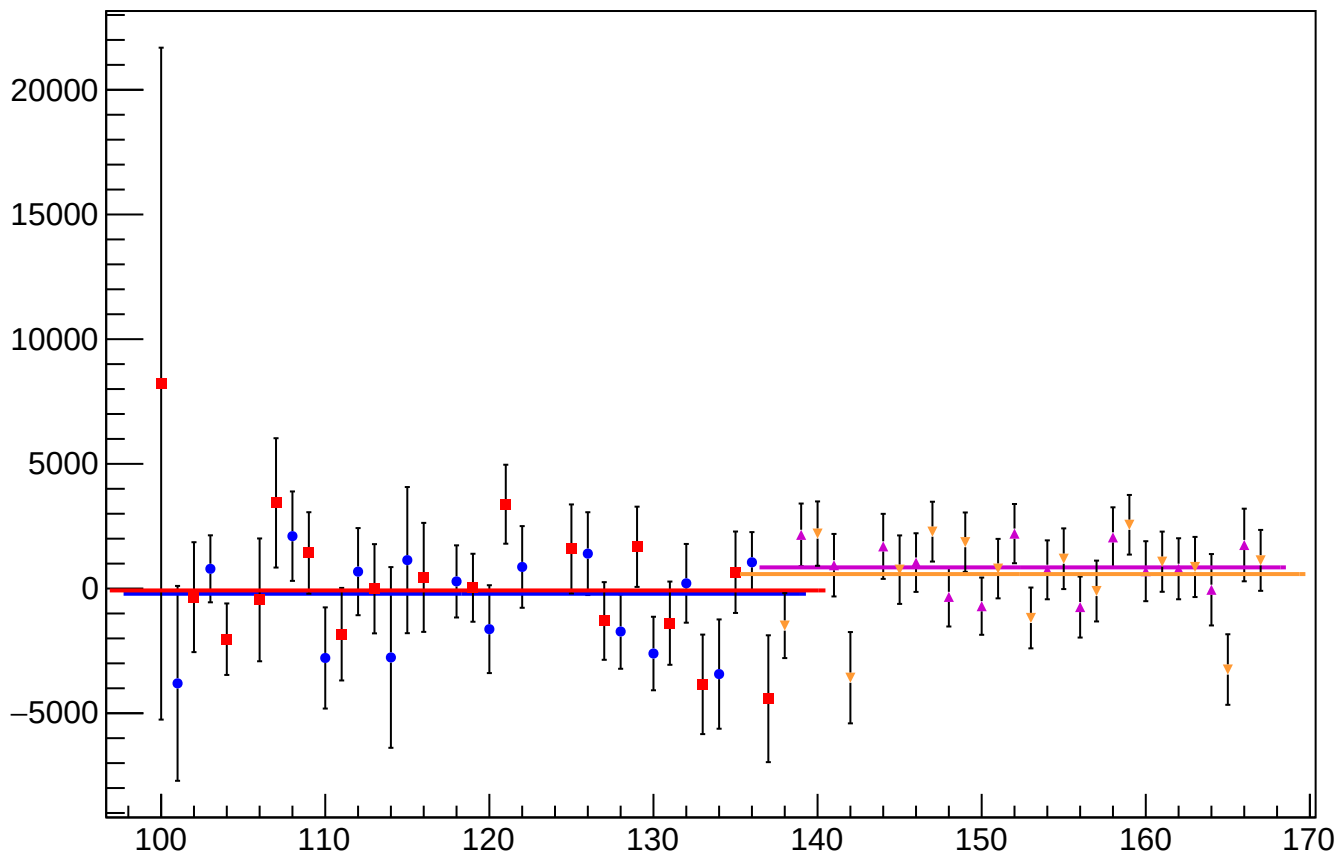
Left In: 3409.018 $\pm$ 0.723 χ^2 /NDF: 689942.0/13

+ sign 815.156 $\pm$ 0.231 χ^2 /NDF: 25151294.6/30

All: 767.656 $\pm$ 0.157 χ^2 /NDF: 50134477.8/62

- sign 726.685 $\pm$ 0.214 χ^2 /NDF: 24904270.1/31

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110 ± 429.155 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 580.231 ± 326.437 $\chi^2/\text{NDF}: 25.6/14$

Right Out: -75.761 ± 430.760 $\chi^2/\text{NDF}: 20.7/17$

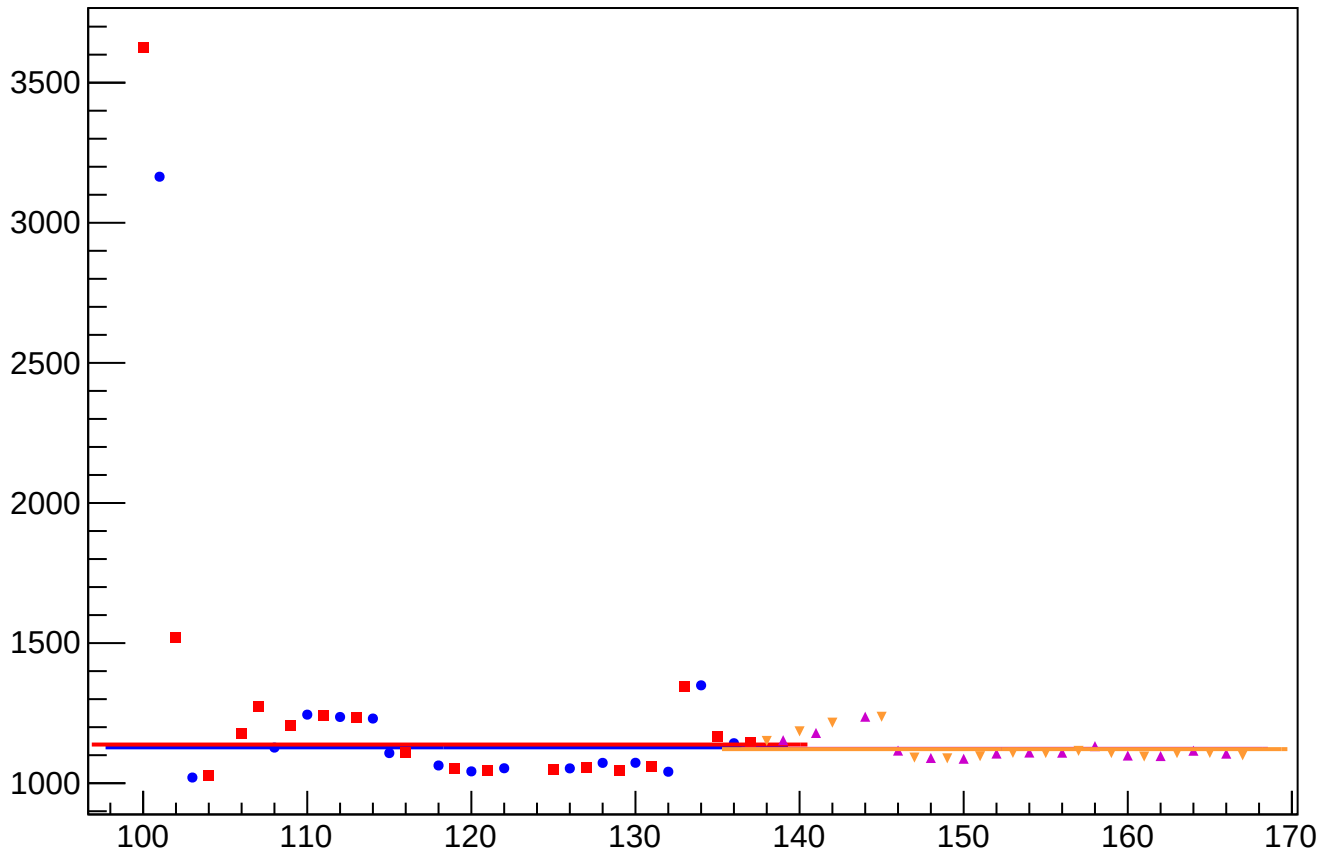
Left In: 848.933 ± 330.585 $\chi^2/\text{NDF}: 9.1/13$

+ sign 291.285 ± 259.815 $\chi^2/\text{NDF}: 42.5/30$

All: 397.730 ± 184.574 $\chi^2/\text{NDF}: 75.5/62$

- sign 506.183 ± 262.256 $\chi^2/\text{NDF}: 32.7/31$

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621395.6/15

Left Out: 1121.628 $\pm$ 0.231 χ^2 /NDF: 31911.0/14

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

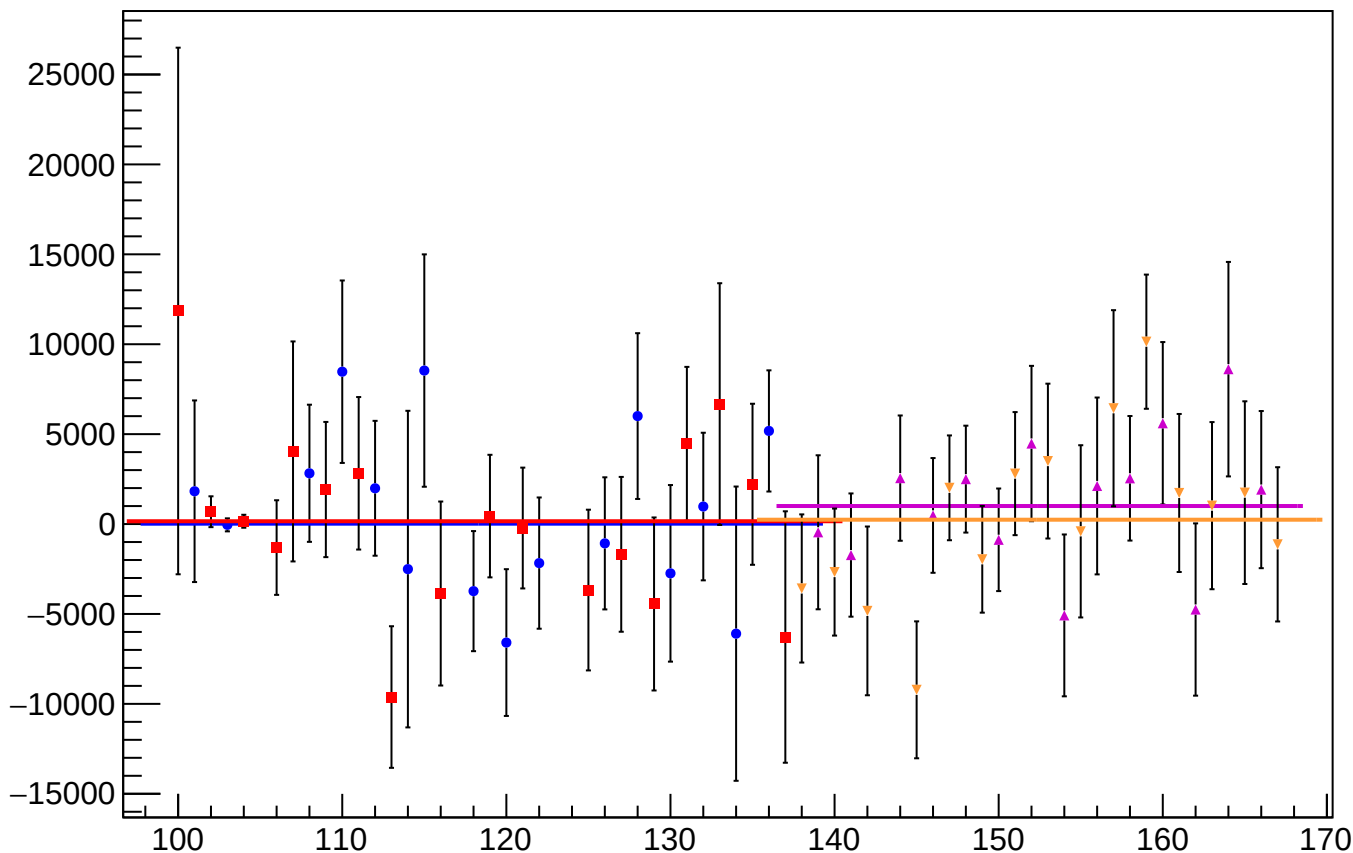
Left In: 1122.673 $\pm$ 0.234 χ^2 /NDF: 27232.7/13

+ sign 1123.966 $\pm$ 0.184 χ^2 /NDF: 653586.6/30

All: 1126.142 $\pm$ 0.131 χ^2 /NDF: 903321.5/62

- sign 1128.358 $\pm$ 0.185 χ^2 /NDF: 249451.8/31

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: 241.225 $\pm$ 1018.277 χ^2 /NDF:19.6/14

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

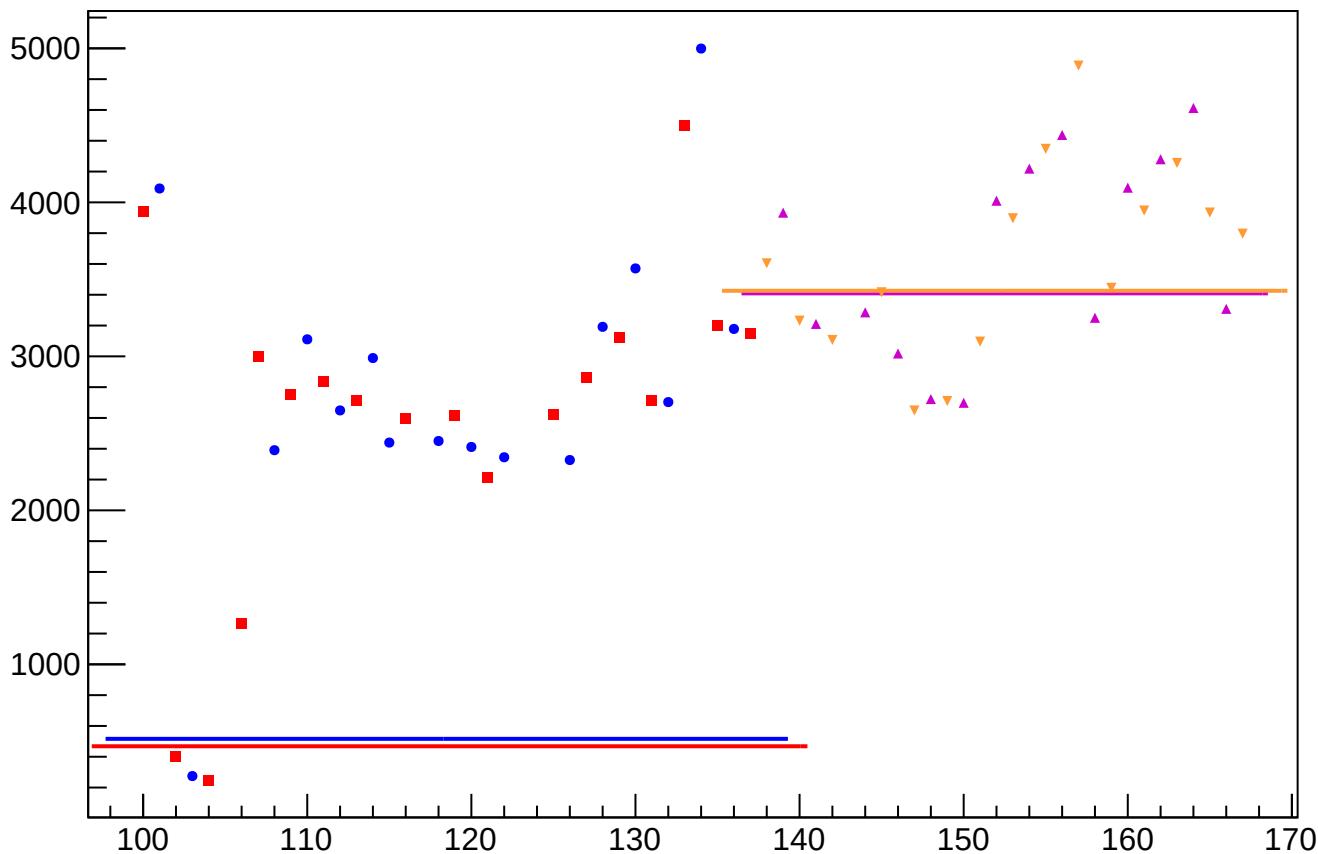
Left In: 1002.600 $\pm$ 1022.075 χ^2 /NDF:8.5/13

+ sign 44.200 $\pm$ 326.352 χ^2 /NDF: 34.5/30

All: 144.311 $\pm$ 222.086 χ^2 /NDF: 57.9/62

- sign 230.660 $\pm$ 303.092 χ^2 /NDF: 23.2/31

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 516.297 $\pm$ 0.244 χ^2 /NDF: 9834669.6/15

Left Out: 3425.848 $\pm$ 0.720 χ^2 /NDF: 665208.8/14

Right Out: 468.060 $\pm$ 0.224 χ^2 /NDF: 9111222.0/17

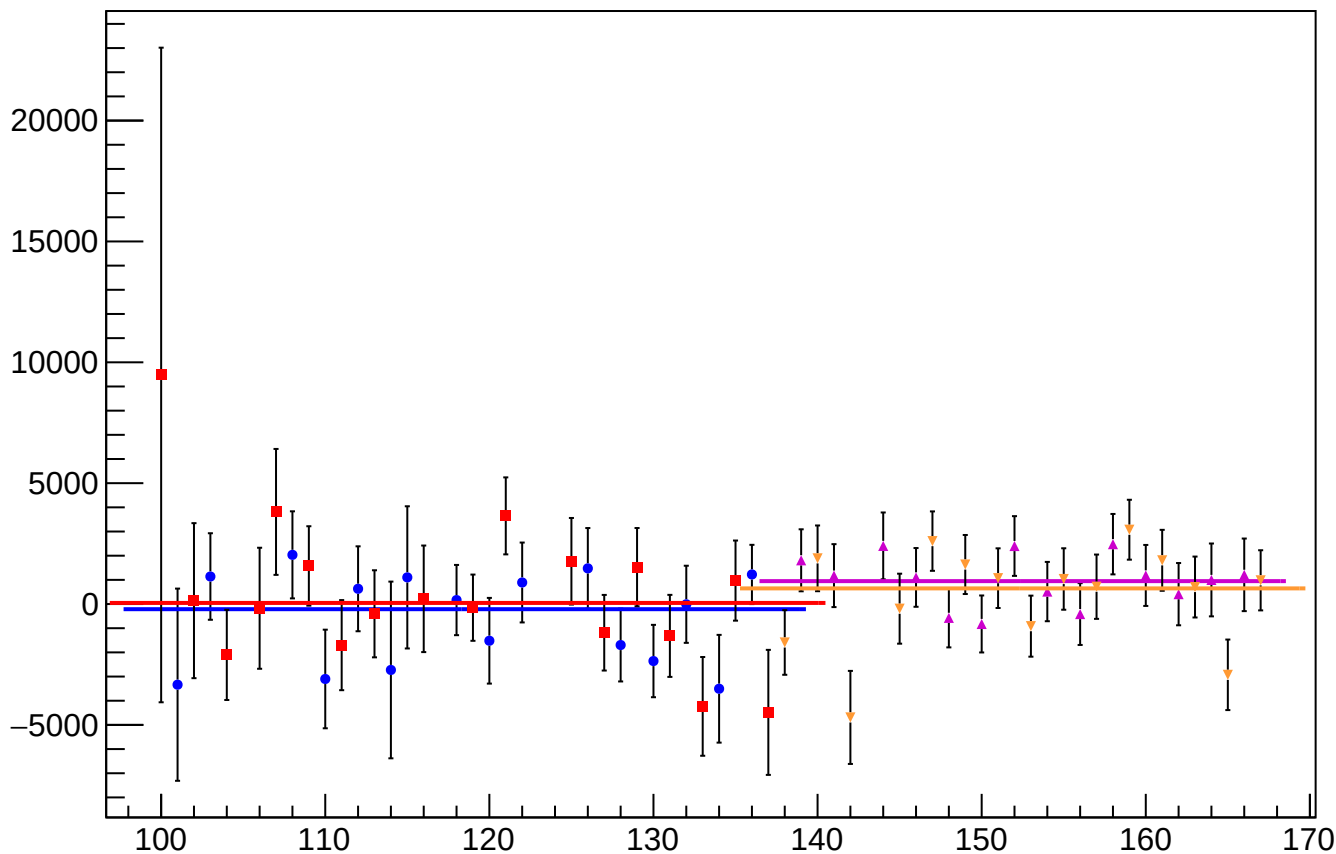
Left In: 3409.018 $\pm$ 0.723 χ^2 /NDF: 689942.0/13

+ sign 815.156 $\pm$ 0.231 χ^2 /NDF: 25151294.6/30

All: 767.656 $\pm$ 0.157 χ^2 /NDF: 50134477.8/62

- sign 726.685 $\pm$ 0.214 χ^2 /NDF: 24904270.1/31

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079 ± 442.684 χ^2/NDF : 14.3/15

Left Out: 647.128 ± 339.535 χ^2/NDF : 27.4/14

Right Out: 45.535 ± 447.221 χ^2/NDF : 21.7/17

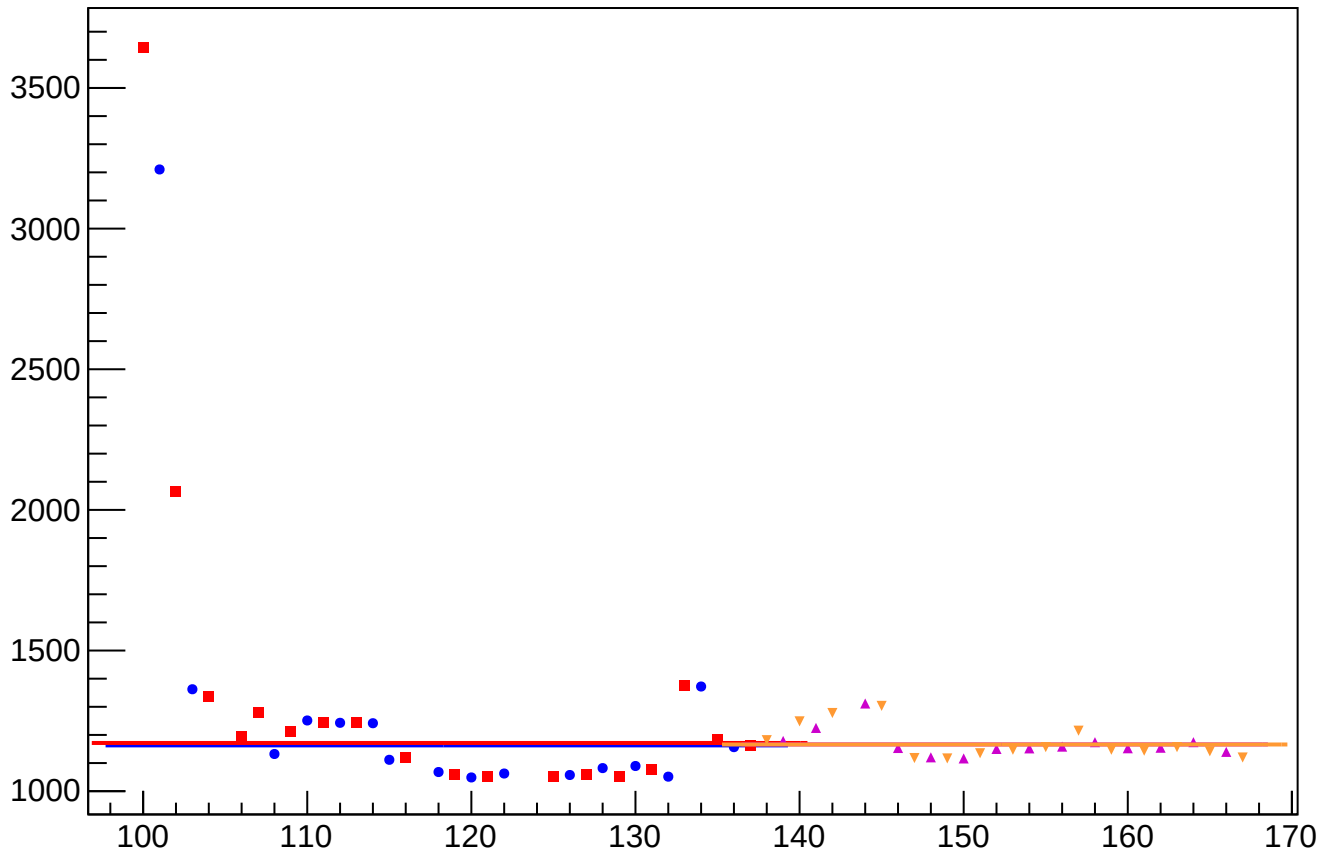
Left In: 947.775 ± 343.511 χ^2/NDF : 9.8/13

+ sign 328.519 ± 269.415 χ^2/NDF : 44.1/30

All: 469.175 ± 191.560 χ^2/NDF : 78.6/62

- sign 612.989 ± 272.423 χ^2/NDF : 34.0/31

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851 $\pm$ 0.313 χ^2 /NDF: 635353.4/15

Left Out: 1166.018 $\pm$ 0.240 χ^2 /NDF: 47722.2/14

Right Out: 1171.420 $\pm$ 0.316 χ^2 /NDF: 331640.8/17

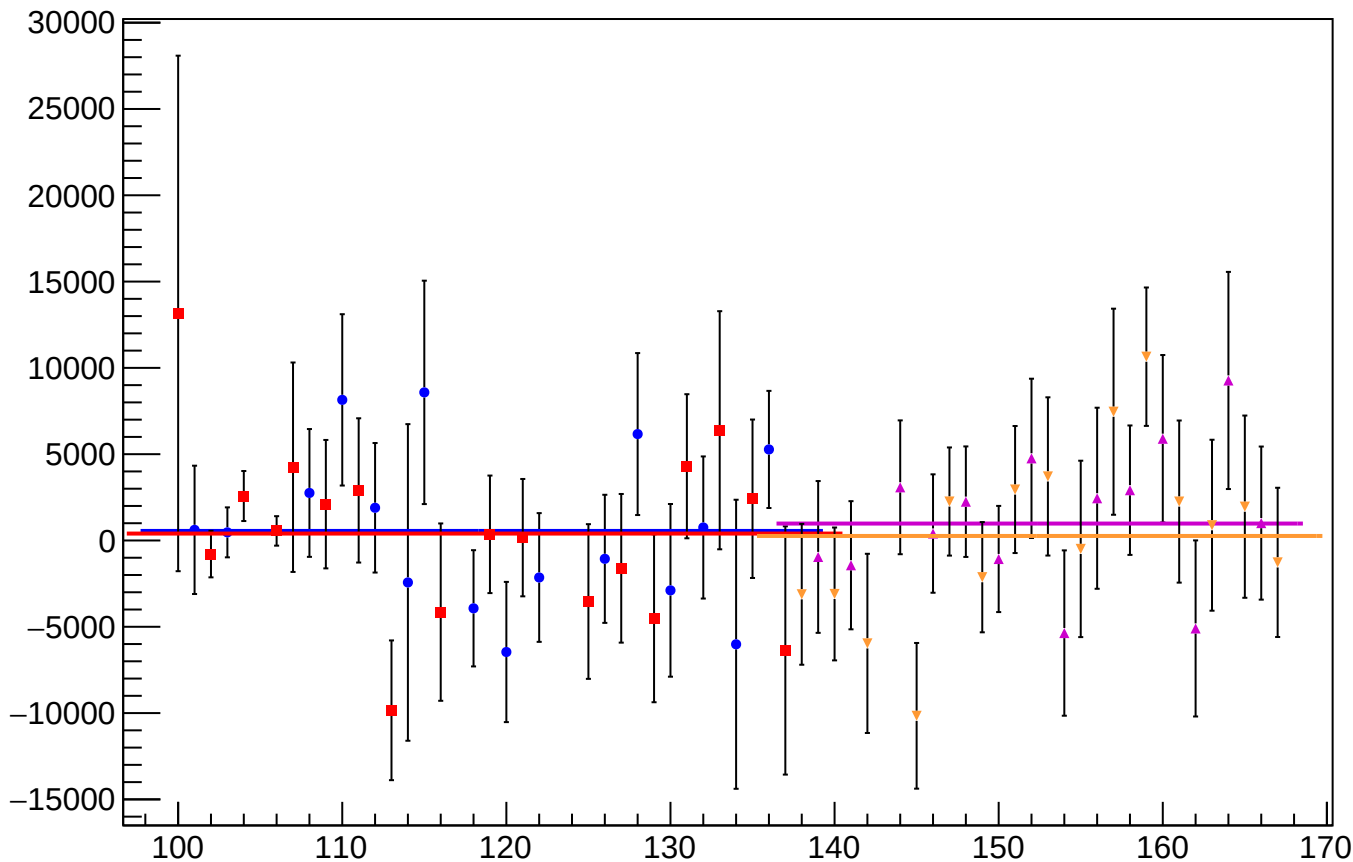
Left In: 1166.230 $\pm$ 0.243 χ^2 /NDF: 34827.6/13

+ sign 1164.845 $\pm$ 0.191 χ^2 /NDF: 683140.1/30

All: 1166.483 $\pm$ 0.135 χ^2 /NDF: 1049927.5/62

- sign 1168.157 $\pm$ 0.193 χ^2 /NDF: 366637.9/31

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: 261.928 $\pm$ 1087.082 χ^2 /NDF:19.7/14

Right Out: 400.432 $\pm$ 565.871 χ^2 /NDF: 16.7/17

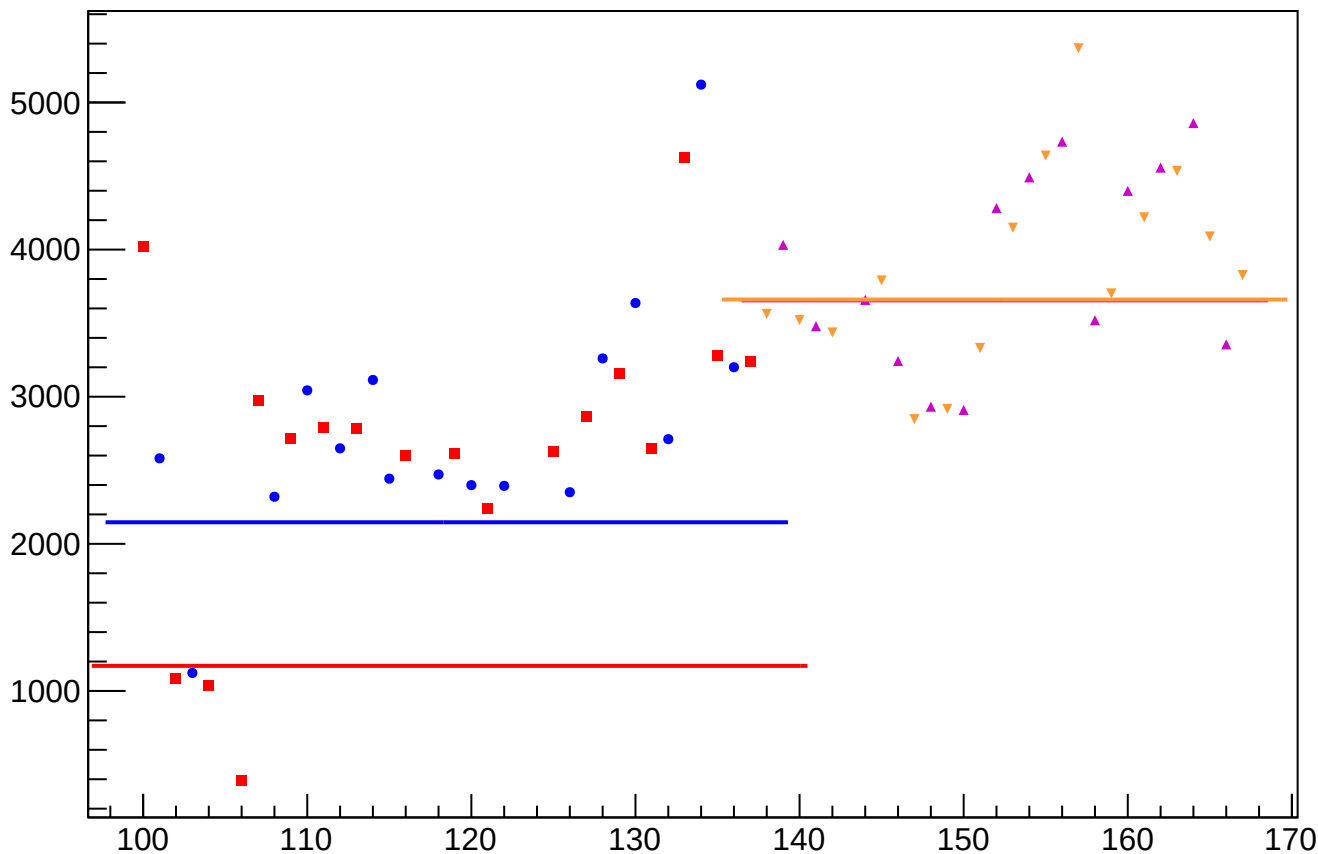
Left In: 980.472 $\pm$ 1094.923 χ^2 /NDF:8.5/13

+ sign 438.408 $\pm$ 681.213 χ^2 /NDF: 34.1/30

All: 492.981 $\pm$ 404.490 χ^2 /NDF: 59.5/62

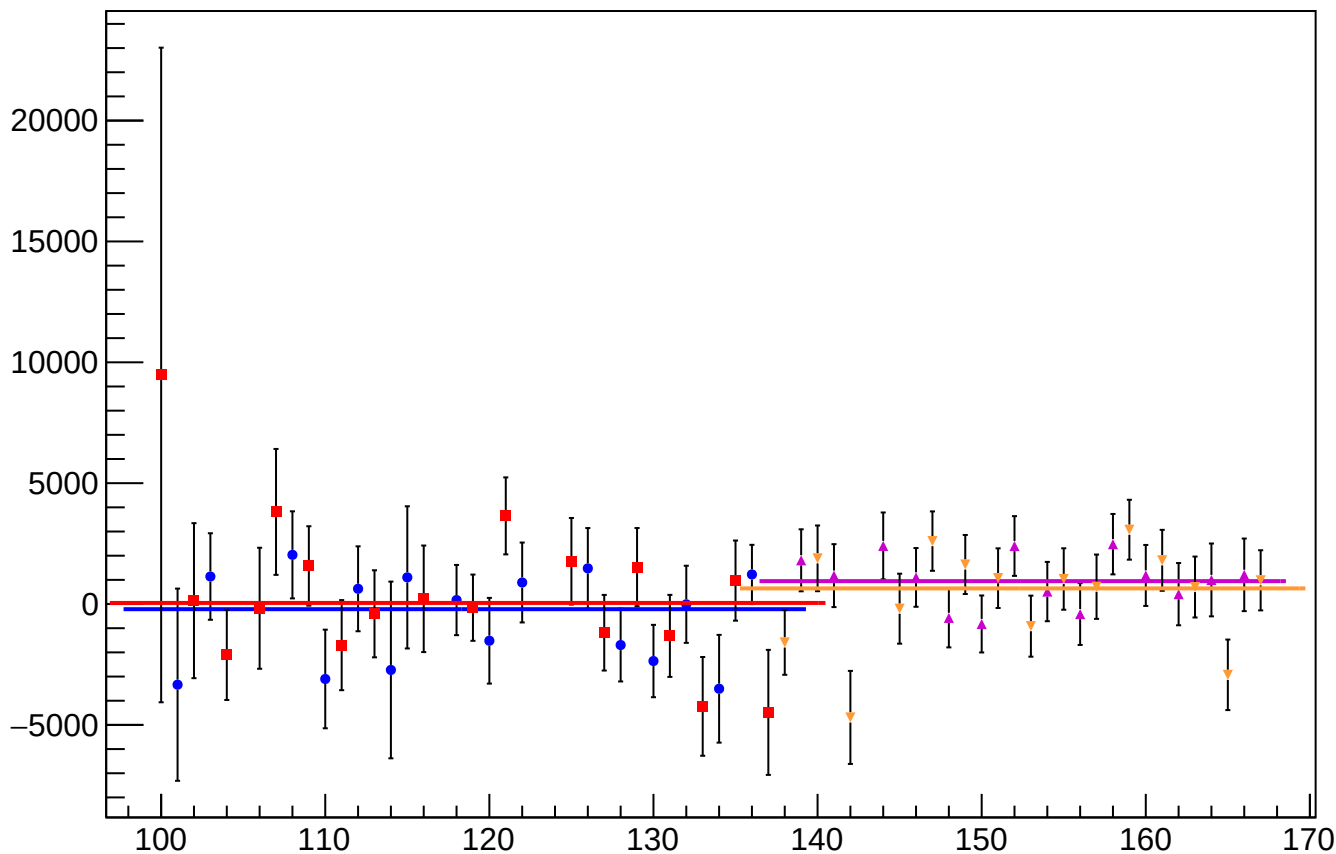
- sign 522.701 $\pm$ 502.704 χ^2 /NDF: 25.4/31

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2146.616+/-0.618	χ^2/NDF : 1974723.6/15	+ sign 2741.108+/-0.482	χ^2/NDF : 4965737.6/30
Left Out: 3660.542+/-0.769	χ^2/NDF : 635254.8/14	All: 2063.325+/-0.286	χ^2/NDF : 22610623.5/6
Right Out: 1170.573+/-0.400	χ^2/NDF : 5817478.8/17	- sign 1694.220+/-0.355	χ^2/NDF : 14586758.9/31
Left In: 3654.738+/-0.774	χ^2/NDF : 644455.9/13		

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: 647.130 ± 339.535 $\chi^2/\text{NDF}: 27.4/14$

Right Out: 45.539 ± 447.221 $\chi^2/\text{NDF}: 21.7/17$

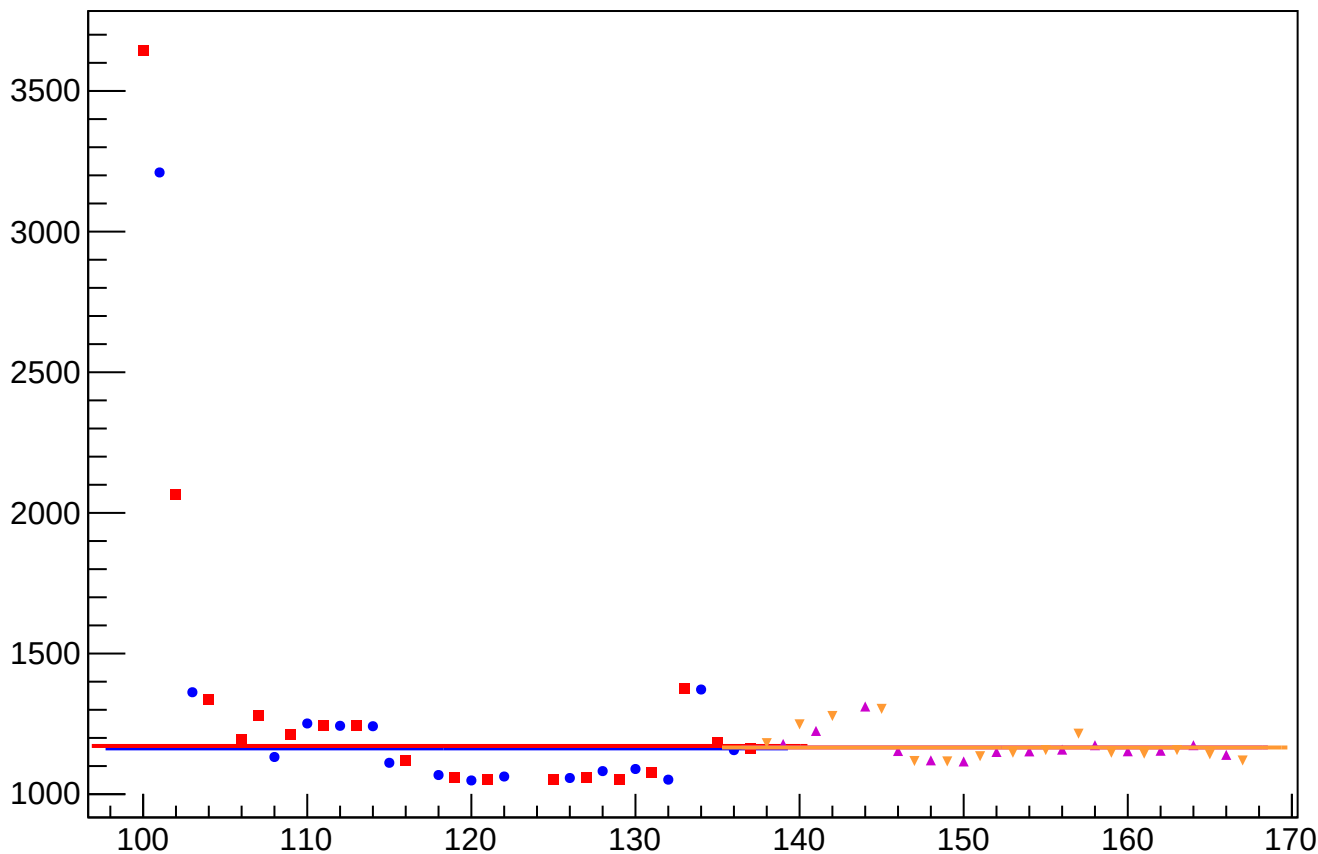
Left In: 947.775 ± 343.511 $\chi^2/\text{NDF}: 9.8/13$

+ sign 328.519 ± 269.415 $\chi^2/\text{NDF}: 44.1/30$

All: 469.175 ± 191.560 $\chi^2/\text{NDF}: 78.6/62$

- sign 612.990 ± 272.424 $\chi^2/\text{NDF}: 34.0/31$

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851 $\pm$ 0.313 χ^2 /NDF: 635353.6/15

Left Out: 1166.019 $\pm$ 0.240 χ^2 /NDF: 47722.6/14

Right Out: 1171.420 $\pm$ 0.316 χ^2 /NDF: 331640.4/17

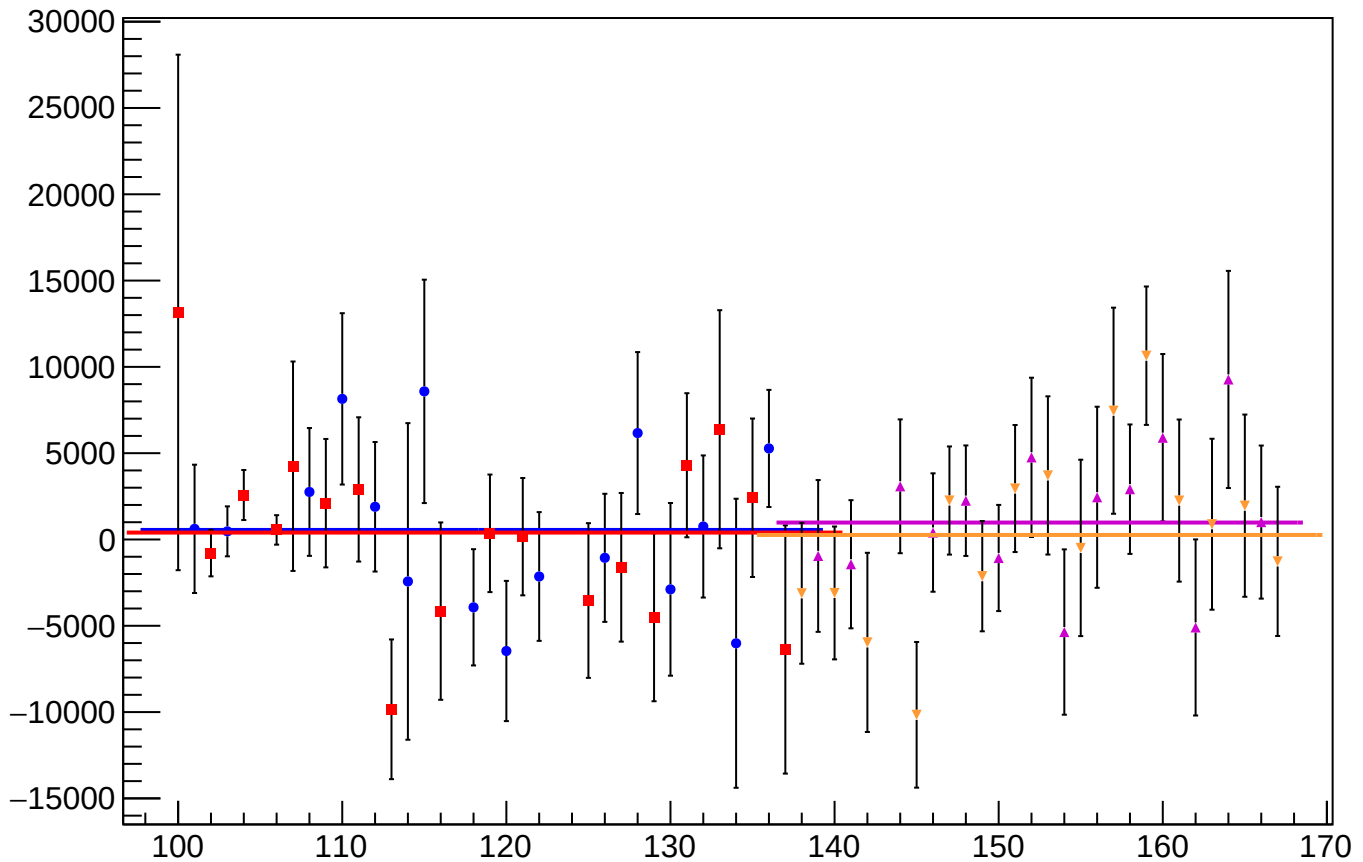
Left In: 1166.231 $\pm$ 0.243 χ^2 /NDF: 34827.8/13

+ sign 1164.846 $\pm$ 0.191 χ^2 /NDF: 683140.7/30

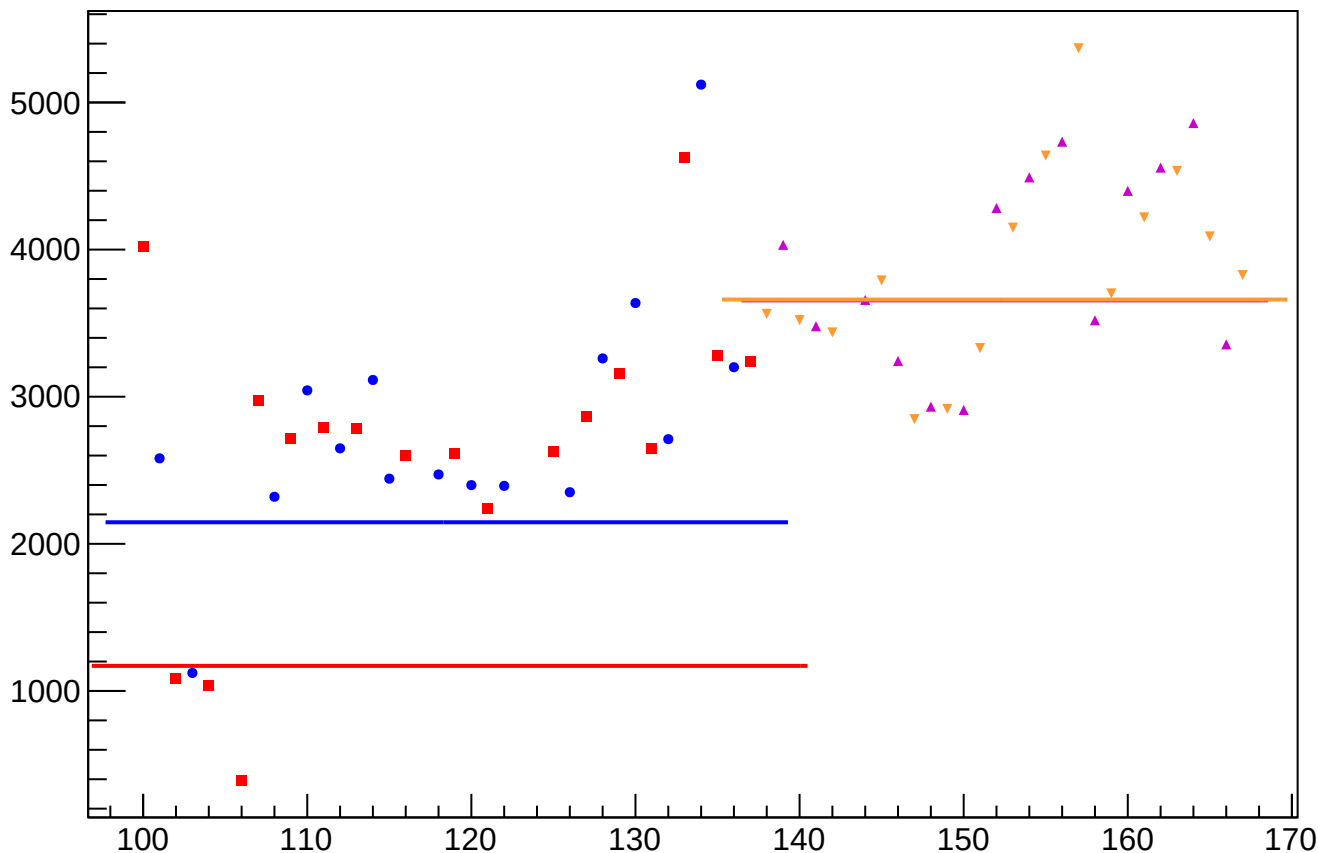
All: 1166.484 $\pm$ 0.135 χ^2 /NDF: 1049927.8/62

- sign 1168.158 $\pm$ 0.193 χ^2 /NDF: 366637.7/31

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2146.613 $\pm$ 0.618 χ^2 /NDF: 1974719.3/15

Left Out: 3660.547 $\pm$ 0.769 χ^2 /NDF: 635257.3/14

Right Out: 1170.550 $\pm$ 0.400 χ^2 /NDF: 5817605.6/17

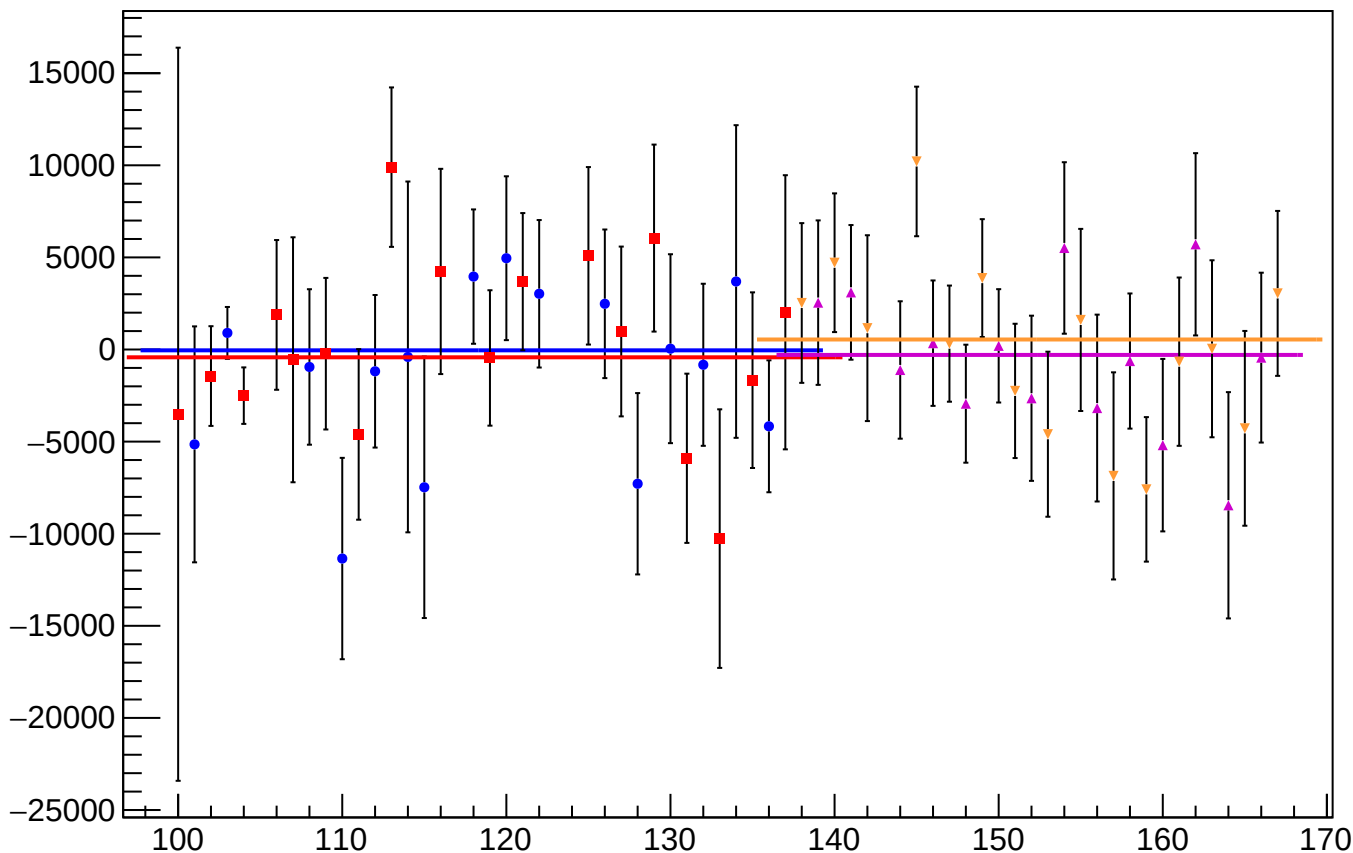
Left In: 3654.743 $\pm$ 0.774 χ^2 /NDF: 644457.2/13

+ sign 2741.106 $\pm$ 0.482 χ^2 /NDF: 4965759.5/30

All: 2063.302 $\pm$ 0.286 χ^2 /NDF: 22611153.7/6

- sign 1694.192 $\pm$ 0.355 χ^2 /NDF: 14587092.8/31

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874 ± 920.736 χ^2/NDF : 13.7/15

Left Out: 543.356 ± 1077.377 χ^2/NDF : 17.4/14

Right Out: -423.476 ± 896.736 χ^2/NDF : 17.3/17

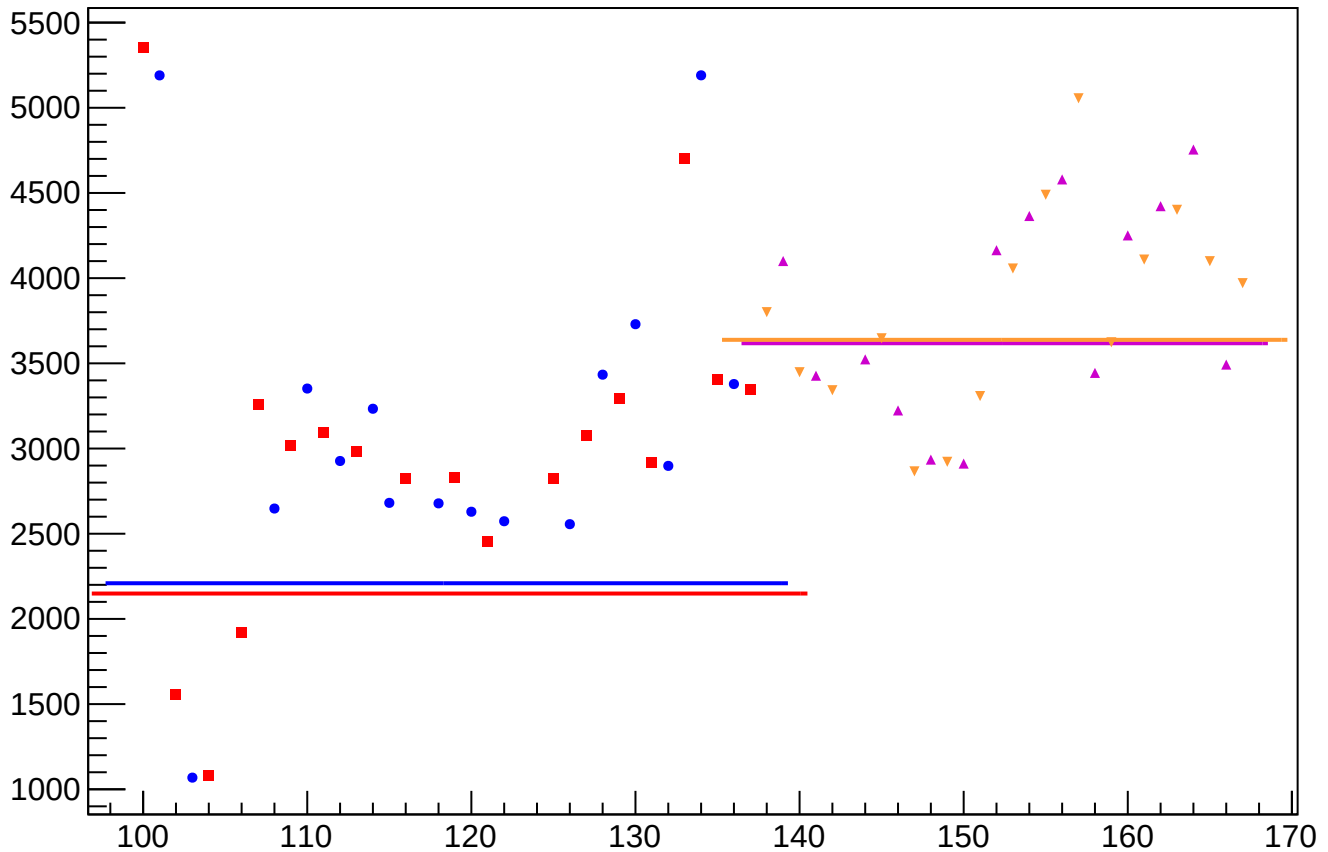
Left In: -294.336 ± 1081.198 χ^2/NDF : 8.6/13

+ sign 203.408 ± 699.951 χ^2/NDF : 31.3/30

All: -87.735 ± 491.466 χ^2/NDF : 57.6/62

- sign -370.846 ± 690.228 χ^2/NDF : 25.9/31

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF : 2836875.7/15

Left Out: 3638.061+/-0.762 χ^2/NDF : 553267.9/14

Right Out: 2148.948+/-0.633 χ^2/NDF : 2269660.8/17

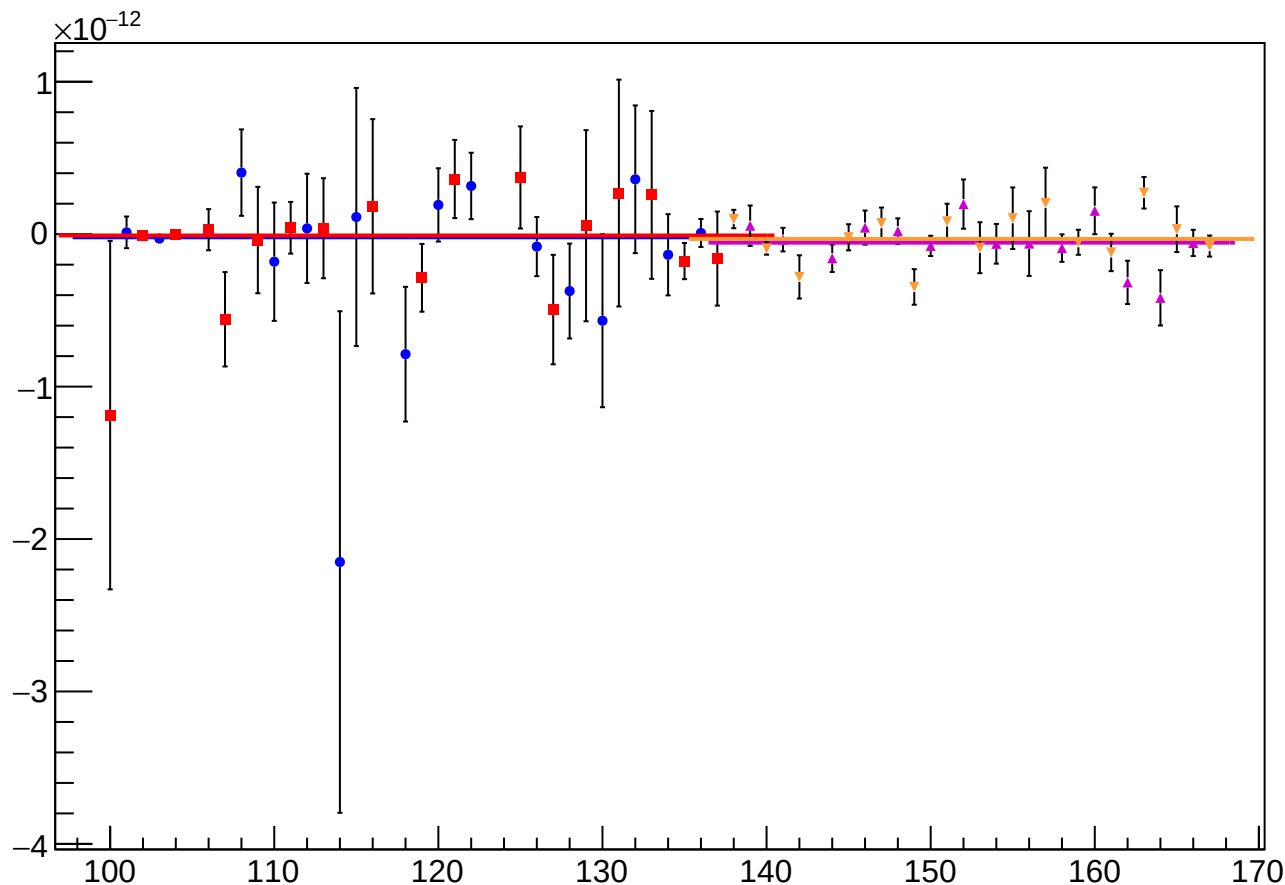
Left In: 3618.001+/-0.765 χ^2/NDF : 570228.5/13

+ sign 2812.384+/-0.495 χ^2/NDF : 5422731.2/30

All: 2778.657+/-0.347 χ^2/NDF : 10463547.1/6

- sign 2745.953+/-0.487 χ^2/NDF : 5031669.8/31

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 : 30.8/14

Right Out: -0.000+/-0.000 χ^2/NDF : 14.0/17

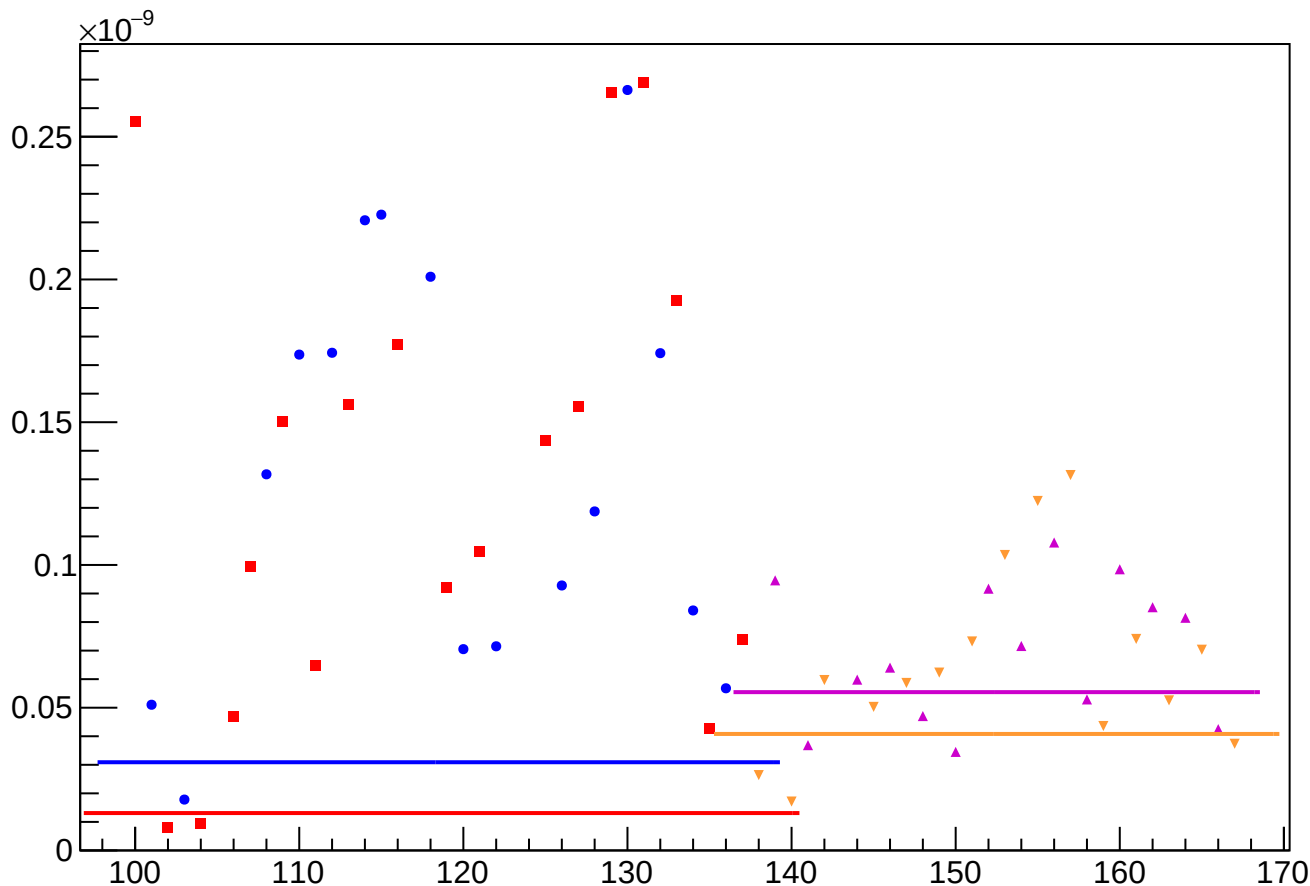
Left In: -0.000+/-0.000 χ^2/NDF : 15.6/13

+ sign -0.000+/-0.000 χ^2/NDF : 44.6/30

All: -0.000+/-0.000 χ^2/NDF : 76.5/62

- sign -0.000+/-0.000 χ^2/NDF : 31.8/31

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2998577.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2302040.4/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3659260.7/17

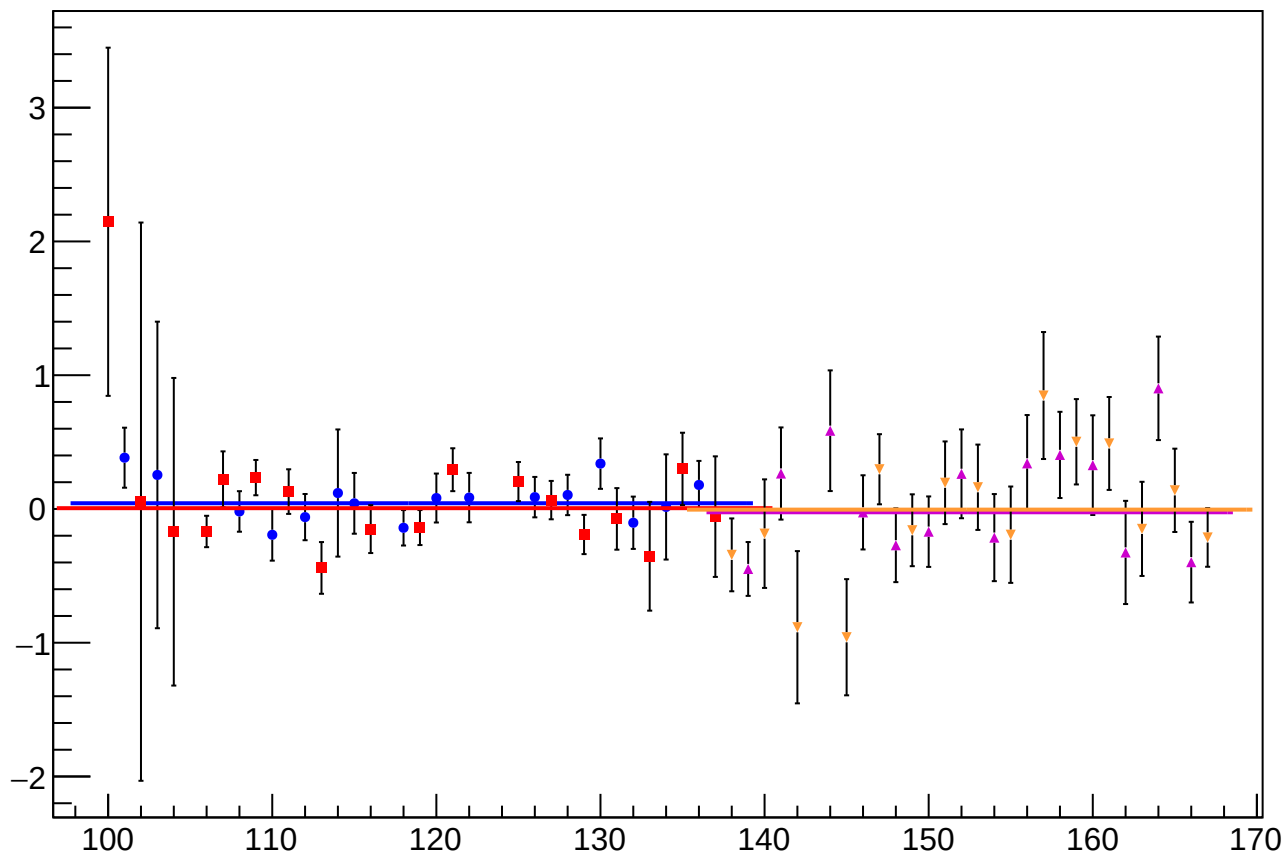
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1109421.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5469348.6/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14687043.1/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8377488.1/31

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: -0.005 $\pm$ 0.083 χ^2 /NDF:20.6/14

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

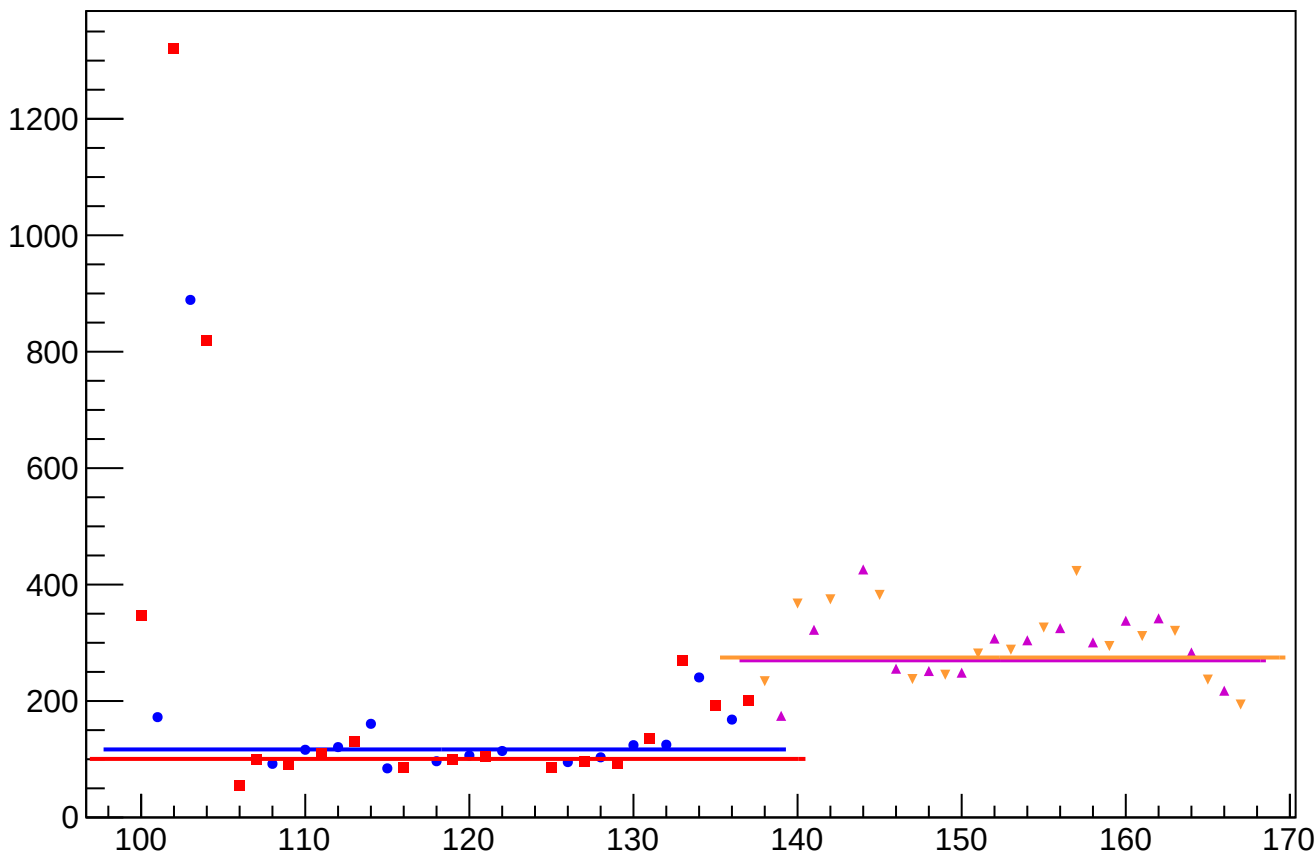
Left In: -0.025 $\pm$ 0.083 χ^2 /NDF:20.7/13

+ sign 0.031 $\pm$ 0.041 χ^2 /NDF: 31.2/30

All: 0.014 $\pm$ 0.028 χ^2 /NDF: 78.3/62

- sign -0.001 $\pm$ 0.038 χ^2 /NDF: 46.9/31

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: 274.716 $\pm$ 0.058 χ^2 /NDF: 1004040.2/14

Right Out: 100.544 $\pm$ 0.031 χ^2 /NDF: 2664151.6/17

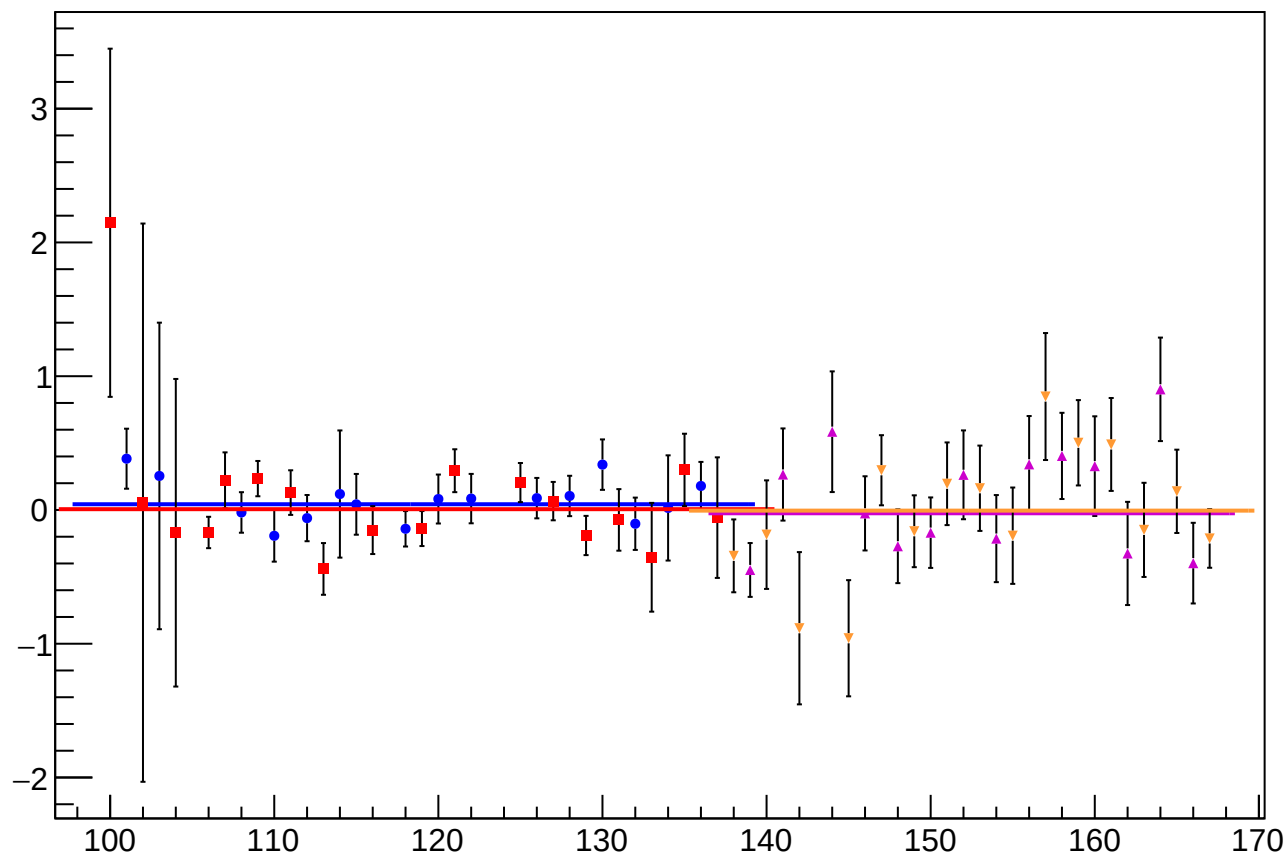
Left In: 269.917 $\pm$ 0.059 χ^2 /NDF: 1073812.2/13

+ sign 155.942 $\pm$ 0.029 χ^2 /NDF: 8104660.6/30

All: 145.844 $\pm$ 0.020 χ^2 /NDF: 18638750.1/62

- sign 137.049 $\pm$ 0.027 χ^2 /NDF: 10308994.8/31

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: -0.005 $\pm$ 0.083 χ^2 /NDF:20.6/14

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

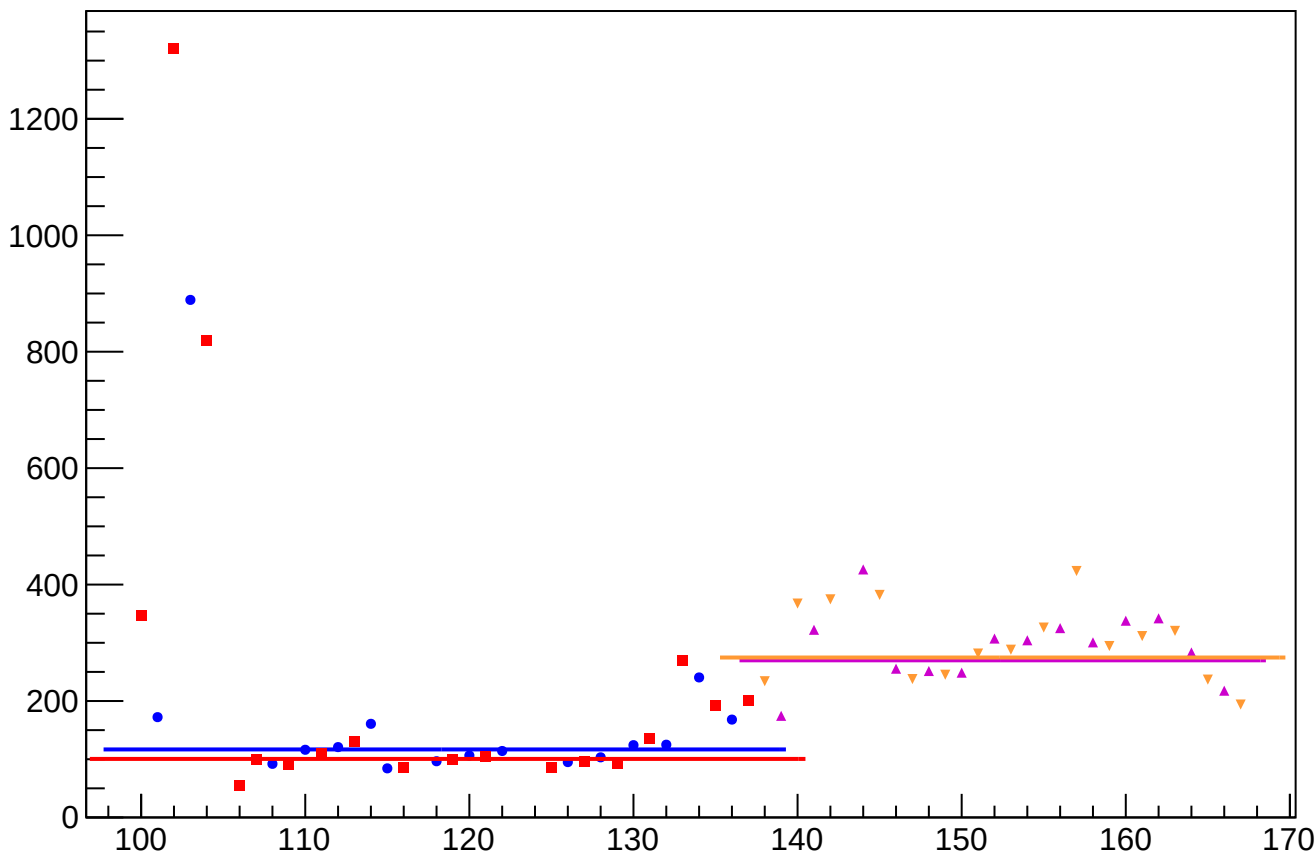
Left In: -0.025 $\pm$ 0.083 χ^2 /NDF:20.7/13

+ sign 0.031 $\pm$ 0.041 χ^2 /NDF: 31.2/30

All: 0.014 $\pm$ 0.028 χ^2 /NDF: 78.3/62

- sign -0.001 $\pm$ 0.038 χ^2 /NDF: 46.9/31

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: 274.716 $\pm$ 0.058 χ^2 /NDF:1004040.2/14

Right Out: 100.544 $\pm$ 0.031 χ^2 /NDF: 2664151.6/17

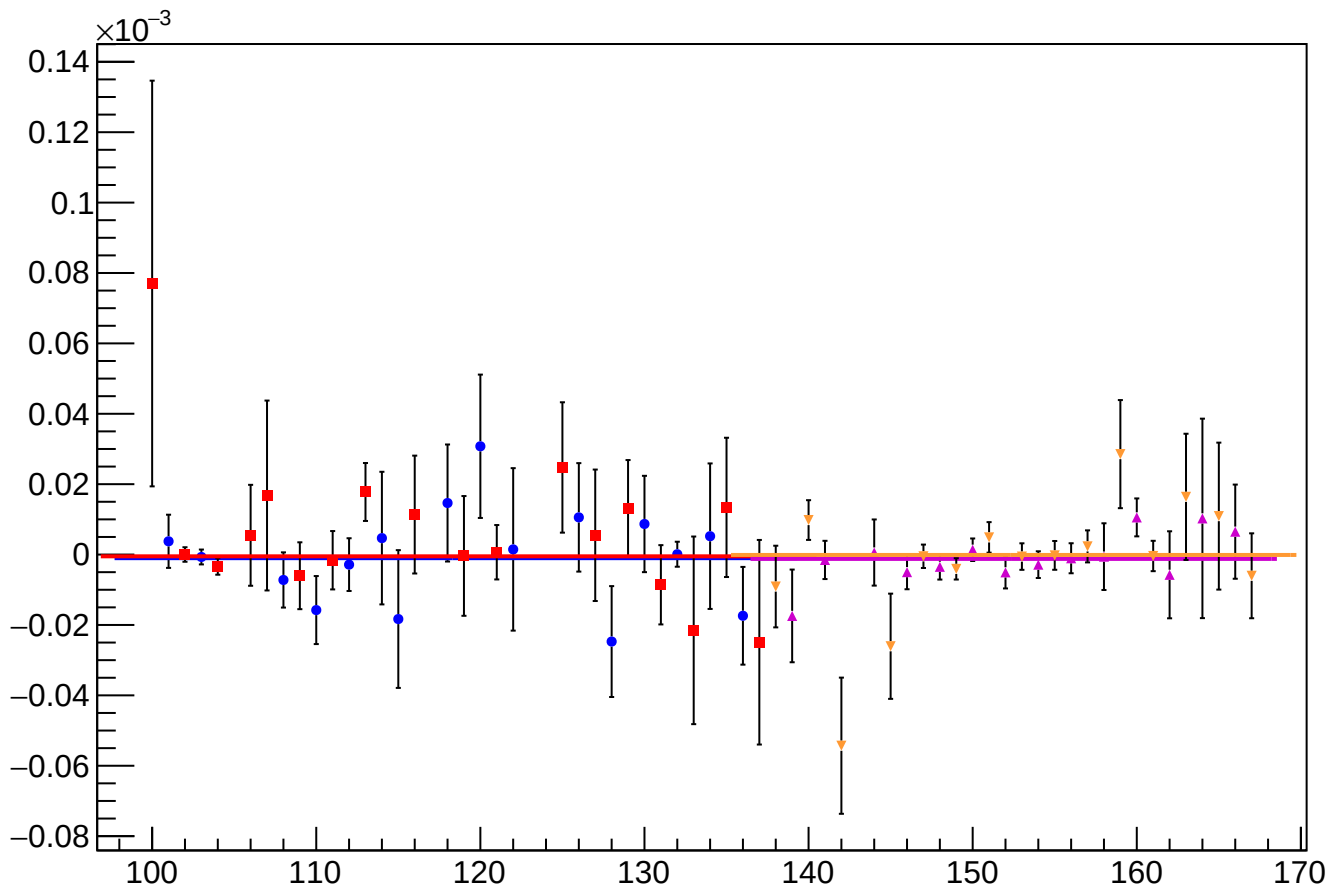
Left In: 269.917 $\pm$ 0.059 χ^2 /NDF:1073812.2/13

+ sign 155.942 $\pm$ 0.029 χ^2 /NDF: 8104660.6/30

All: 145.844 $\pm$ 0.020 χ^2 /NDF: 18638750.1/62

- sign 137.049 $\pm$ 0.027 χ^2 /NDF: 10308994.8/31

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: 22.8/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/17

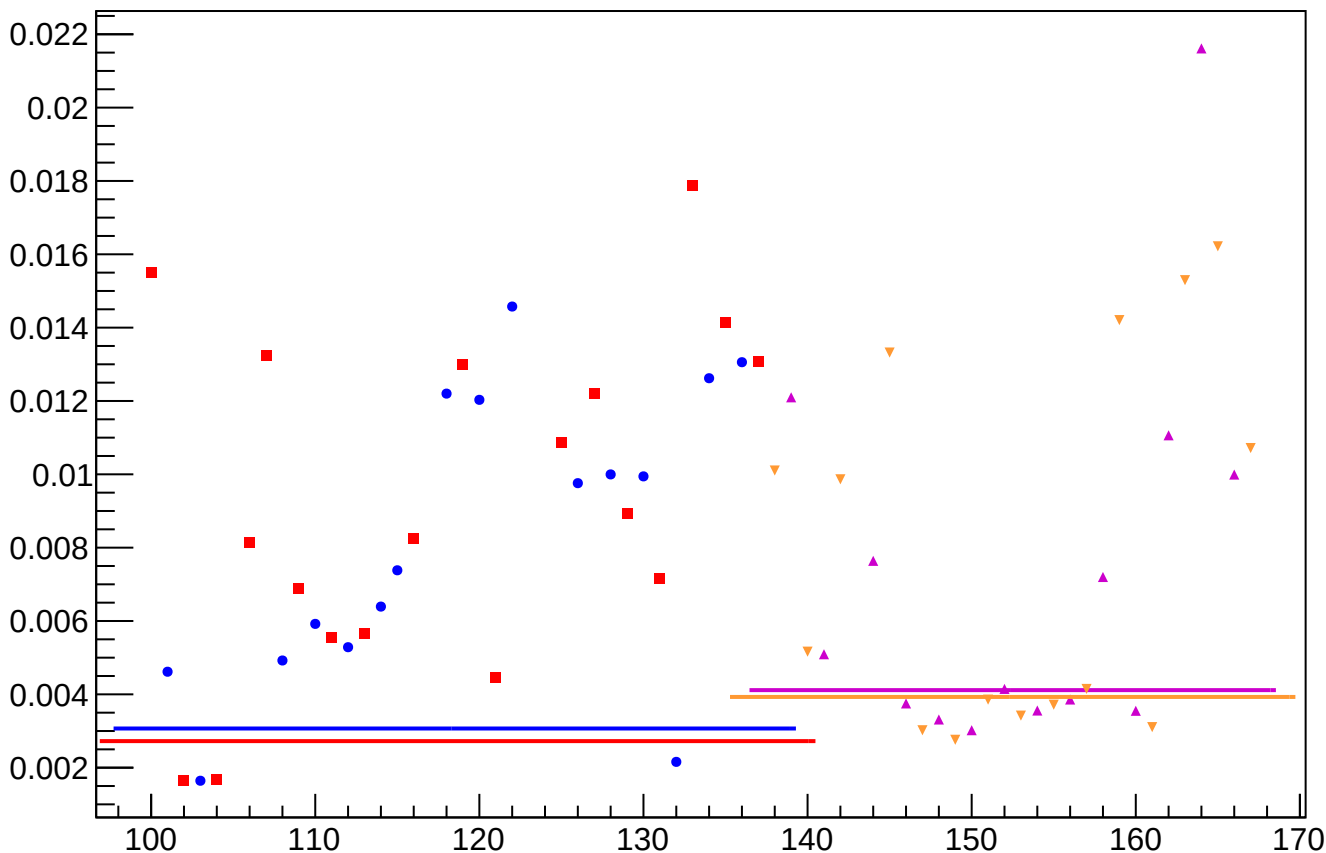
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.5/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 35.5/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 60.3/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/31

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: 0.004+/-0.000 χ^2/NDF : 5234197.3/14

Right Out: 0.003+/-0.000 χ^2/NDF : 6713699.1/17

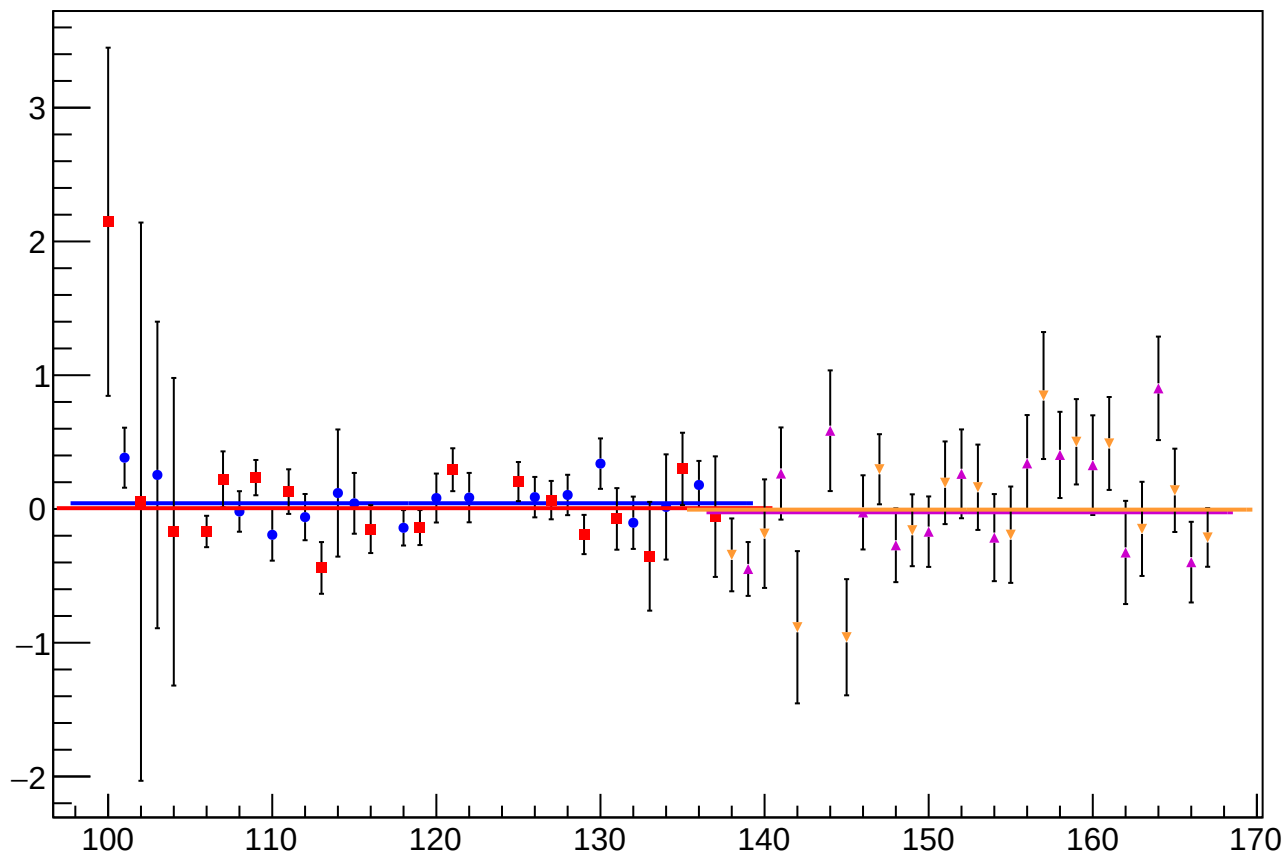
Left In: 0.004+/-0.000 χ^2/NDF : 3489925.4/13

+ sign 0.004+/-0.000 χ^2/NDF : 11540951.1/30

All: 0.003+/-0.000 χ^2/NDF : 22745880.9/62

- sign 0.003+/-0.000 χ^2/NDF : 11181026.1/31

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: -0.005 $\pm$ 0.083 χ^2 /NDF: 20.6/14

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

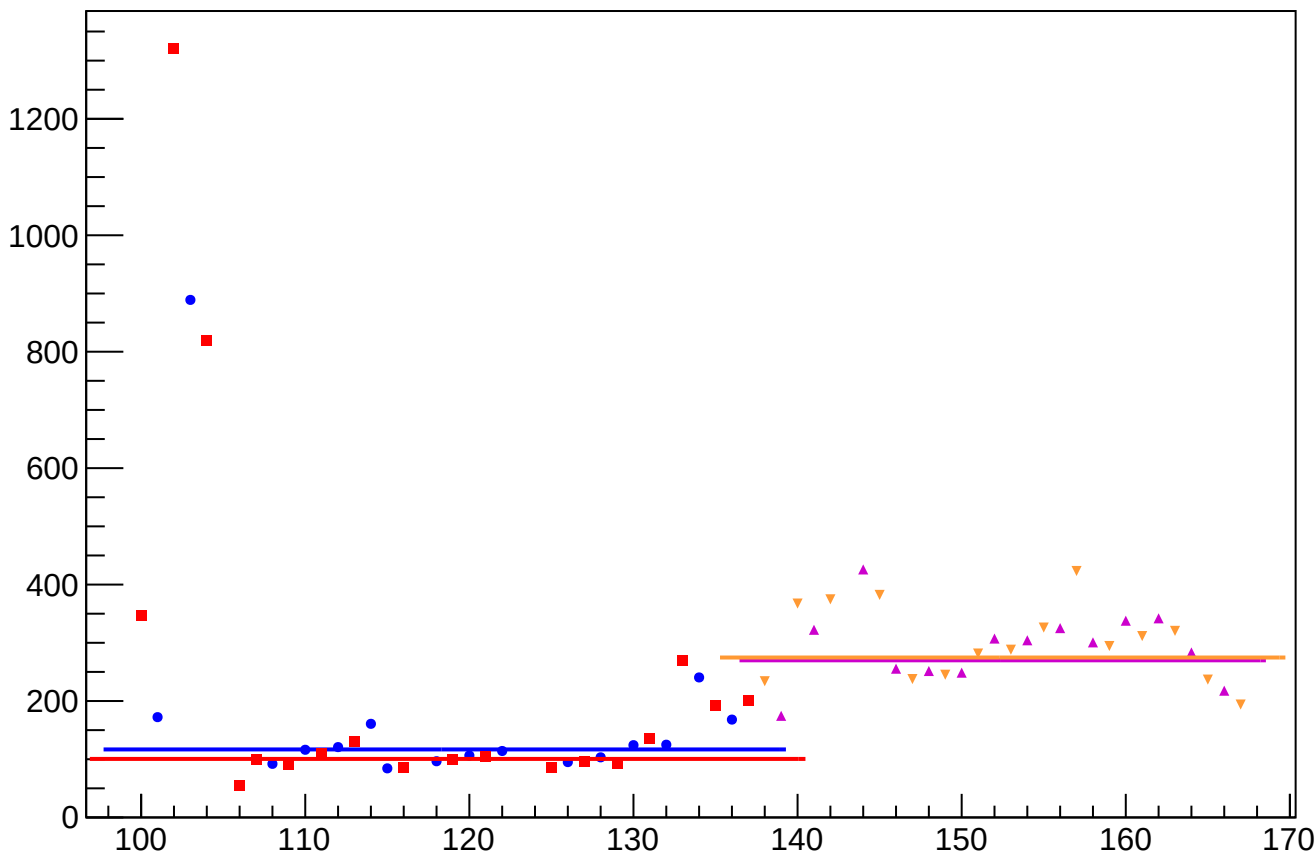
Left In: -0.025 $\pm$ 0.083 χ^2 /NDF: 20.7/13

+ sign 0.031 $\pm$ 0.041 χ^2 /NDF: 31.2/30

All: 0.014 $\pm$ 0.028 χ^2 /NDF: 78.3/62

- sign -0.001 $\pm$ 0.038 χ^2 /NDF: 46.9/31

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620812.6/15

Left Out: 274.719 $\pm$ 0.058 χ^2 /NDF:1004045.3/14

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

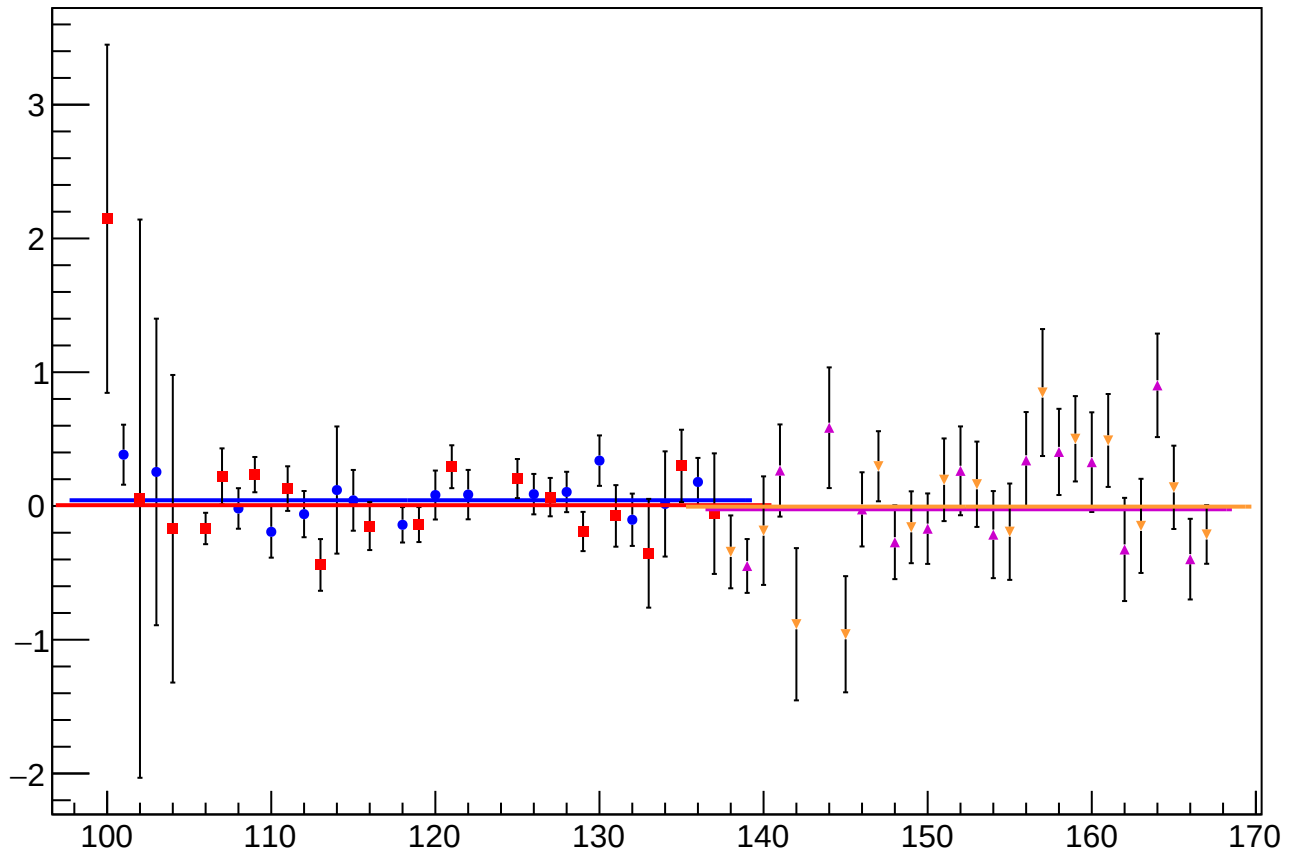
Left In: 269.920 $\pm$ 0.059 χ^2 /NDF:1073779.1/13

+ sign 155.942 $\pm$ 0.029 χ^2 /NDF: 8104815.1/30

All: 145.843 $\pm$ 0.020 χ^2 /NDF: 18639225.4/62

- sign 137.048 $\pm$ 0.027 χ^2 /NDF: 10309290.9/31

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 ± 0.047 χ^2/NDF : 10.3/15

Left Out: -0.005 ± 0.083 χ^2/NDF : 20.6/14

Right Out: 0.006 ± 0.043 χ^2/NDF : 26.0/17

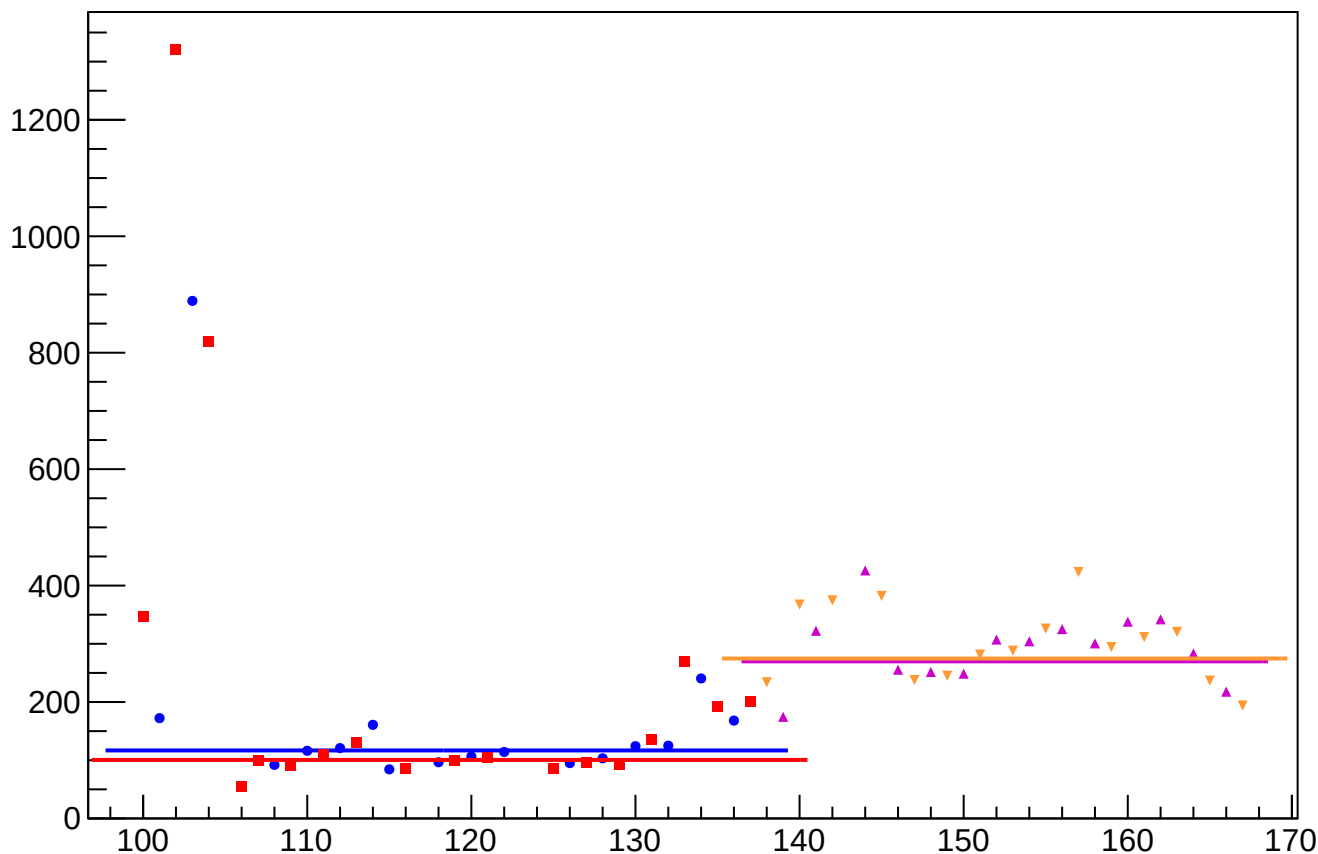
Left In: -0.025 ± 0.083 χ^2/NDF : 20.7/13

+ sign 0.031 ± 0.041 χ^2/NDF : 31.2/30

All: 0.014 ± 0.028 χ^2/NDF : 78.3/62

- sign -0.001 ± 0.038 χ^2/NDF : 46.9/31

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: 274.719 $\pm$ 0.058 χ^2 /NDF:1004045.3/14

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

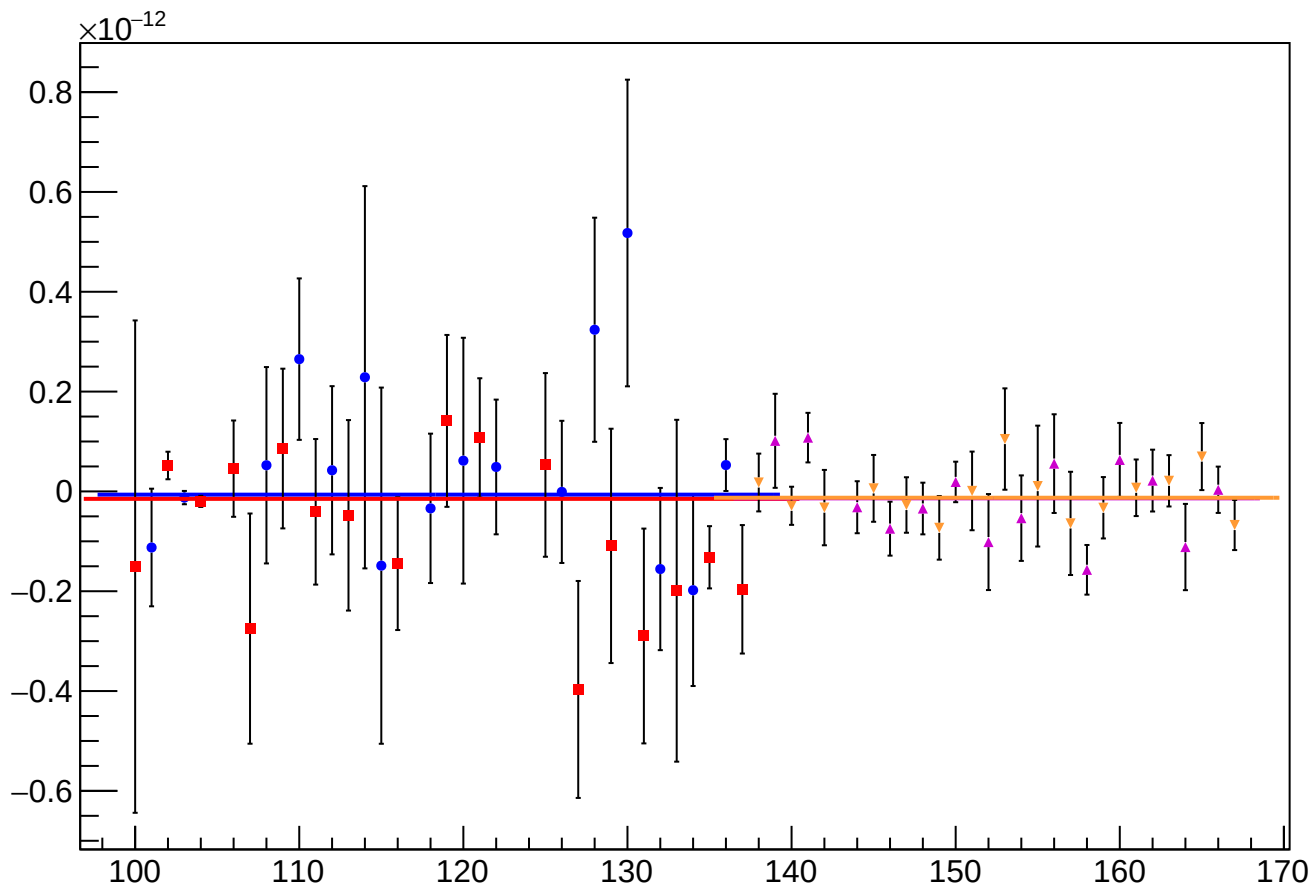
Left In: 269.920 $\pm$ 0.059 χ^2 /NDF:1073779.1/13

+ sign 155.942 $\pm$ 0.029 χ^2 /NDF: 8104815.1/30

All: 145.843 $\pm$ 0.020 χ^2 /NDF: 18639225.4/62

- sign 137.048 $\pm$ 0.027 χ^2 /NDF: 10309290.9/31

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 : 6.6/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.9/17

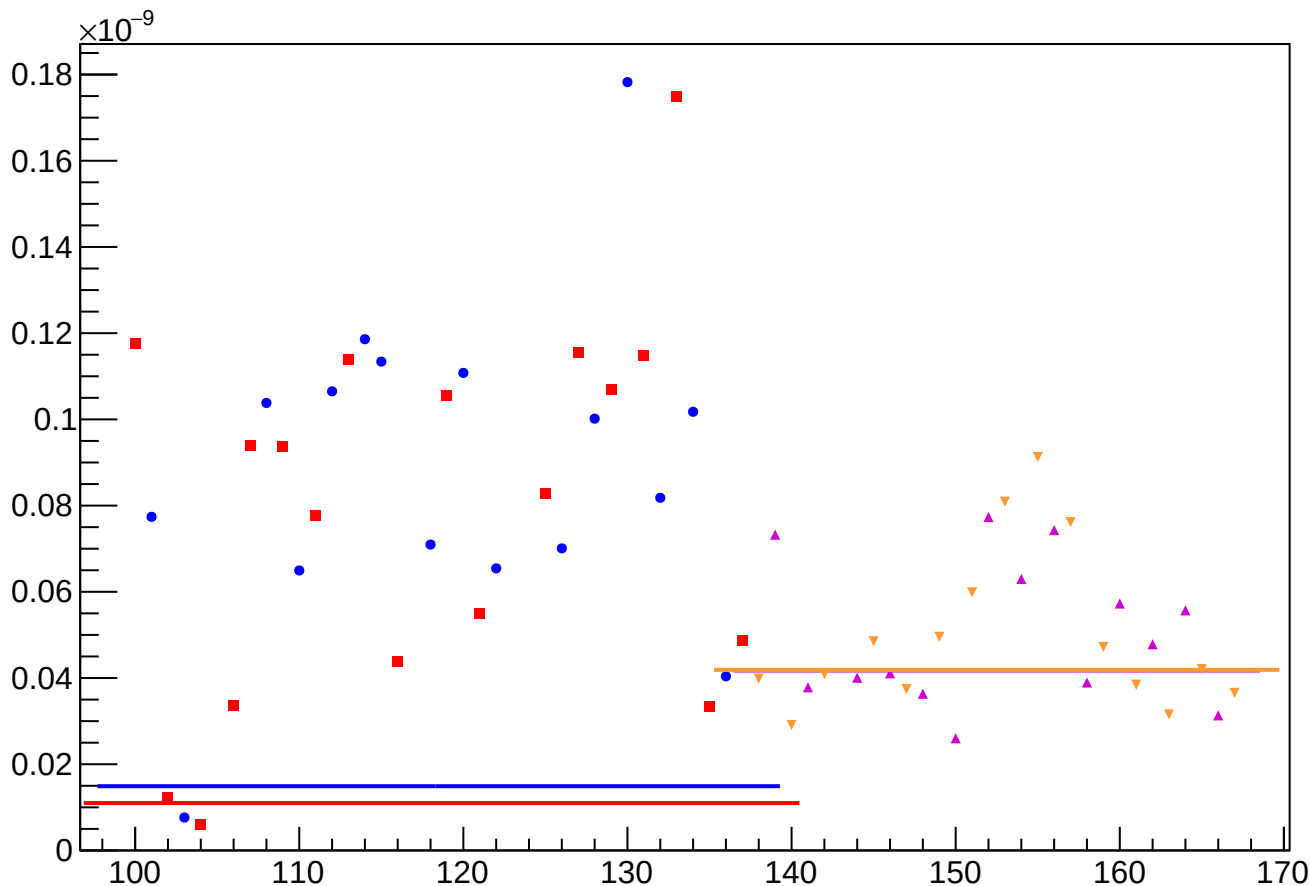
Left In: -0.000 ± 0.000 χ^2/NDF : 22.3/13

+ sign -0.000 ± 0.000 χ^2/NDF : 19.7/30

All: -0.000 ± 0.000 χ^2/NDF : 64.1/62

- sign -0.000 ± 0.000 χ^2/NDF : 44.2/31

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 : 1365399.7/14

Right Out: 0.000+/-0.000 χ^2/NDF : 5866969.2/17

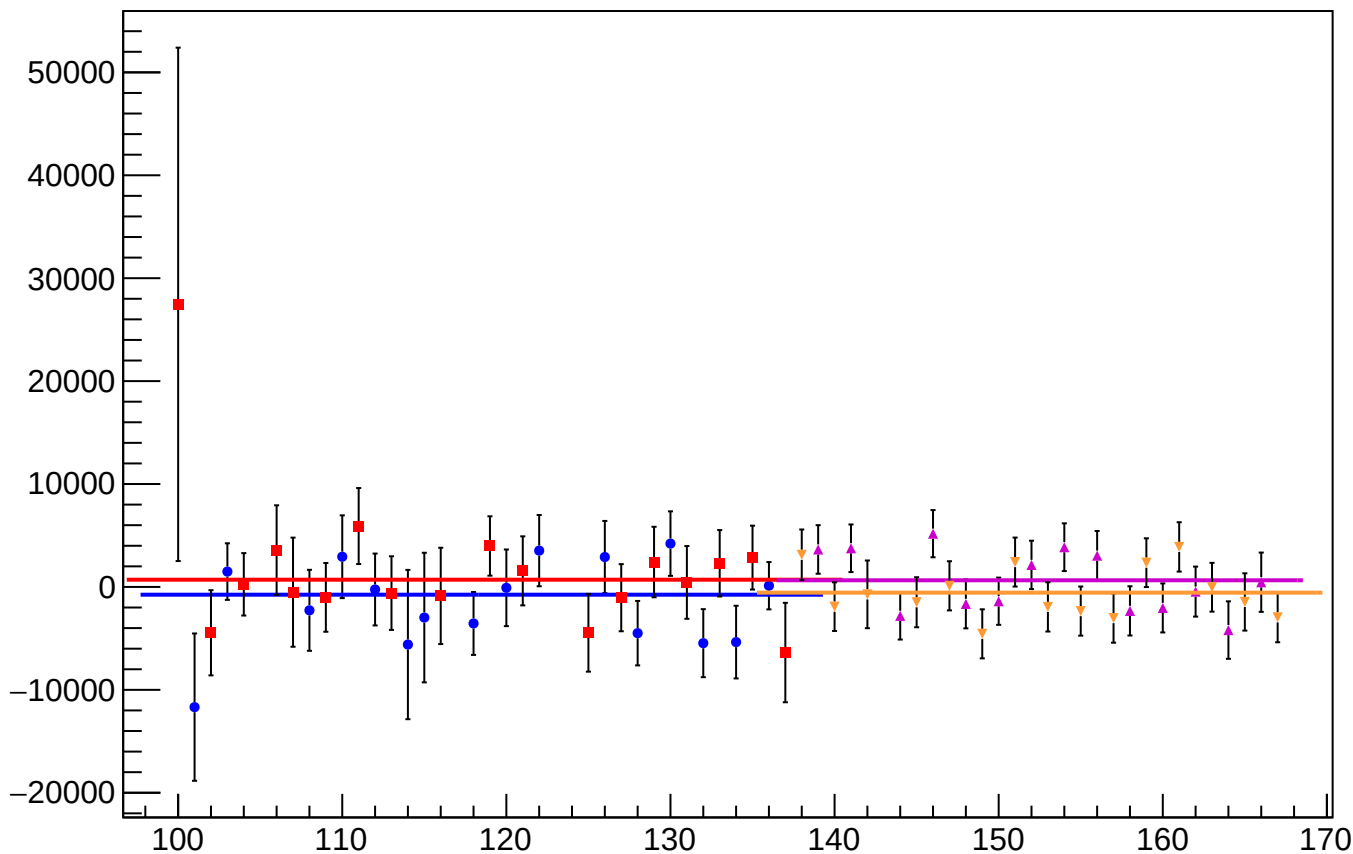
Left In: 0.000+/-0.000 χ^2/NDF : 1440741.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 10818435.4/30

All: 0.000+/-0.000 χ^2/NDF : 23928951.1/62

- sign 0.000+/-0.000 χ^2/NDF : 12743868.6/31

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291 ± 872.652 χ^2/NDF : 15.9/15

Left Out: -555.931 ± 633.928 χ^2/NDF : 15.2/14

Right Out: 702.198 ± 868.647 χ^2/NDF : 12.4/17

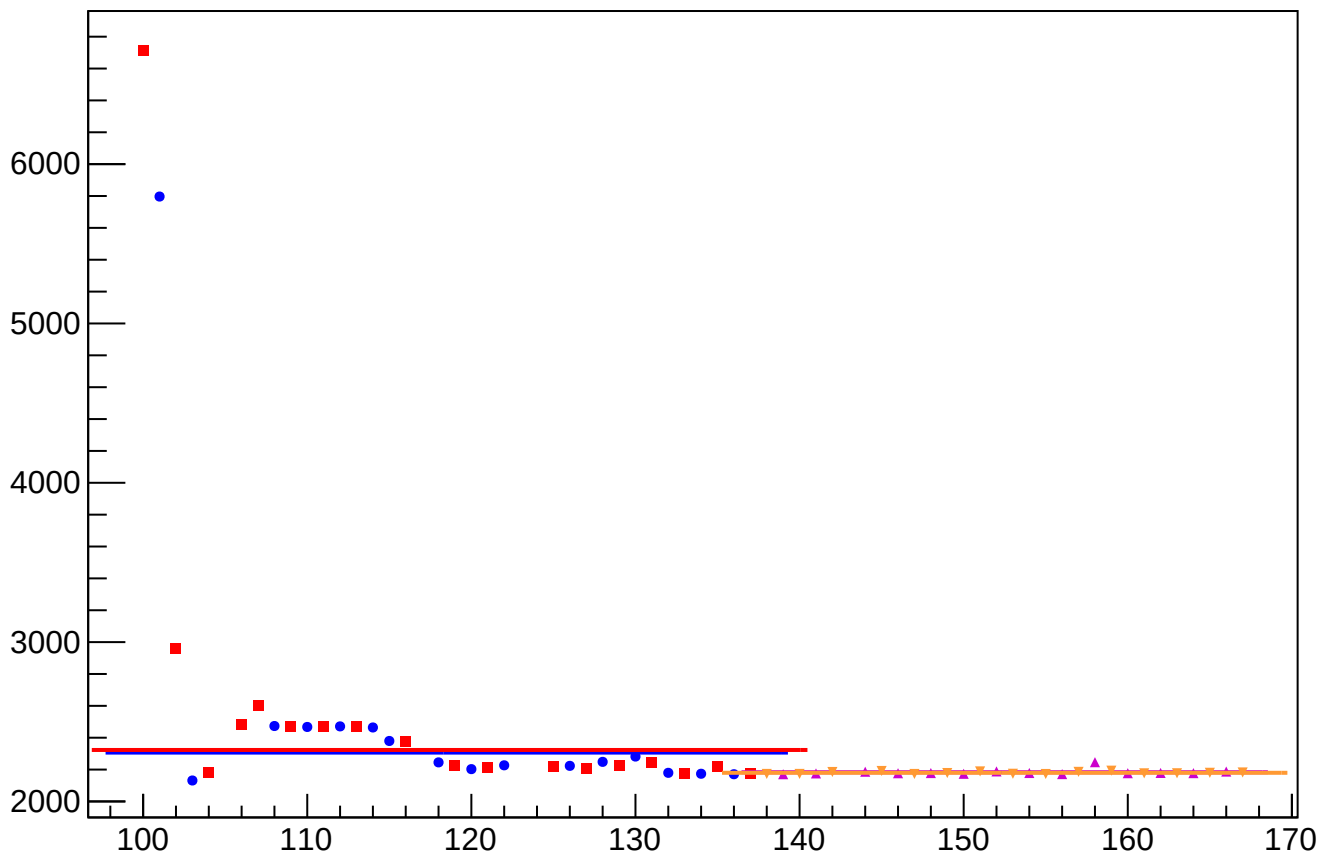
Left In: 646.089 ± 642.516 χ^2/NDF : 20.6/13

+ sign -624.450 ± 512.884 χ^2/NDF : 31.1/30

All: 16.132 ± 363.957 χ^2/NDF : 67.3/62

- sign 665.931 ± 516.561 χ^2/NDF : 33.0/31

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: 2179.803 $\pm$ 0.448 χ^2 /NDF:246.2/14

Right Out: 2323.010 $\pm$ 0.614 χ^2 /NDF: 151787.1/17

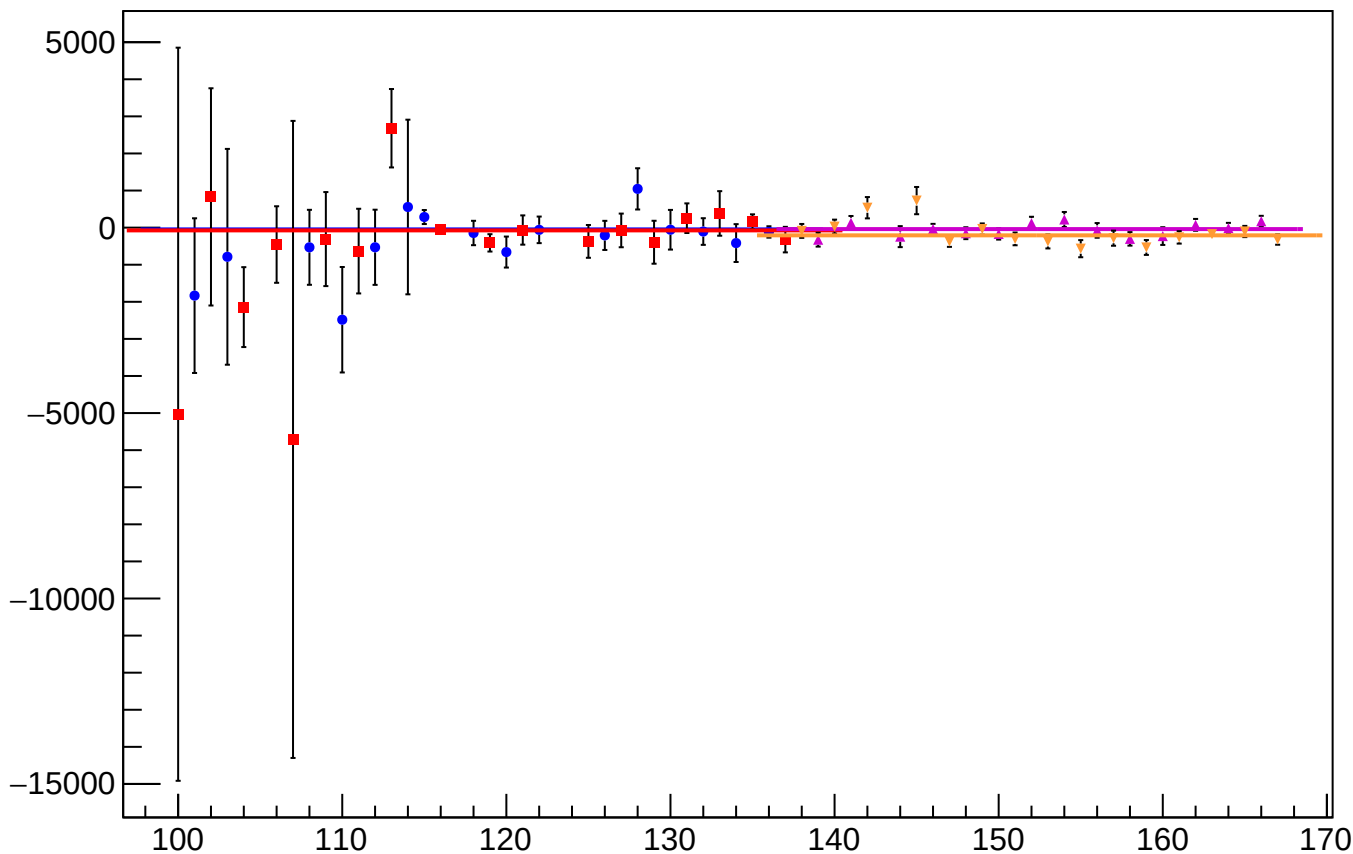
Left In: 2183.365 $\pm$ 0.454 χ^2 /NDF:1625.2/13

+ sign 2223.617 $\pm$ 0.363 χ^2 /NDF: 542054.4/30

All: 2228.150 $\pm$ 0.257 χ^2 /NDF: 729191.2/62

- sign 2232.749 $\pm$ 0.365 χ^2 /NDF: 186822.0/31

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -47.927 ± 90.914 χ^2/NDF : 14.4/15

Left Out: -208.012 ± 45.272 χ^2/NDF : 25.3/14

Right Out: -74.200 ± 82.384 χ^2/NDF : 17.6/17

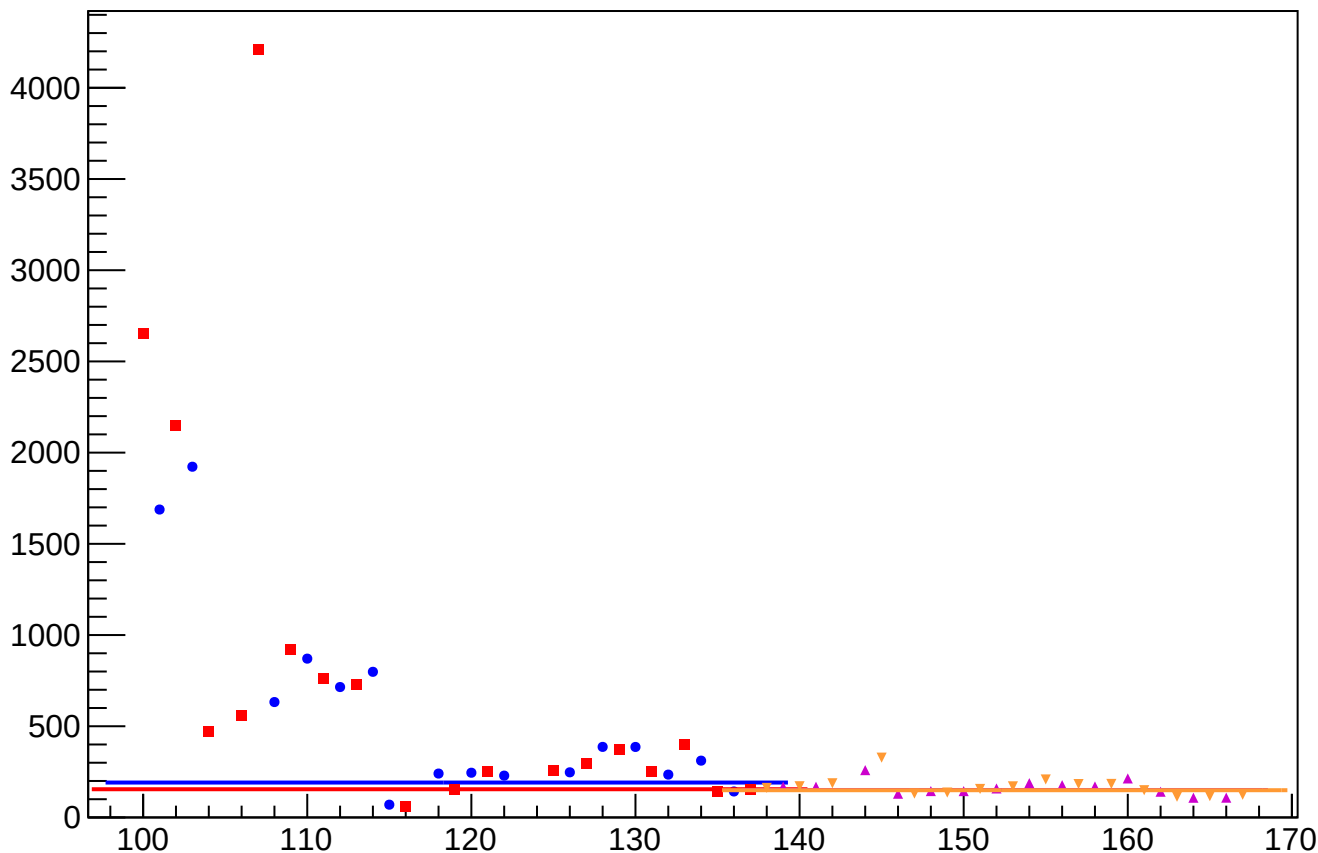
Left In: -39.244 ± 46.067 χ^2/NDF : 12.8/13

+ sign -176.204 ± 40.525 χ^2/NDF : 42.1/30

All: -111.382 ± 28.543 χ^2/NDF : 77.8/62

- sign -47.571 ± 40.208 χ^2/NDF : 30.6/31

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381 $\pm$ 0.064 χ^2 /NDF: 5064747.7/15

Left Out: 149.356 $\pm$ 0.032 χ^2 /NDF: 1177577.7/14

Right Out: 154.677 $\pm$ 0.058 χ^2 /NDF: 6154285.9/17

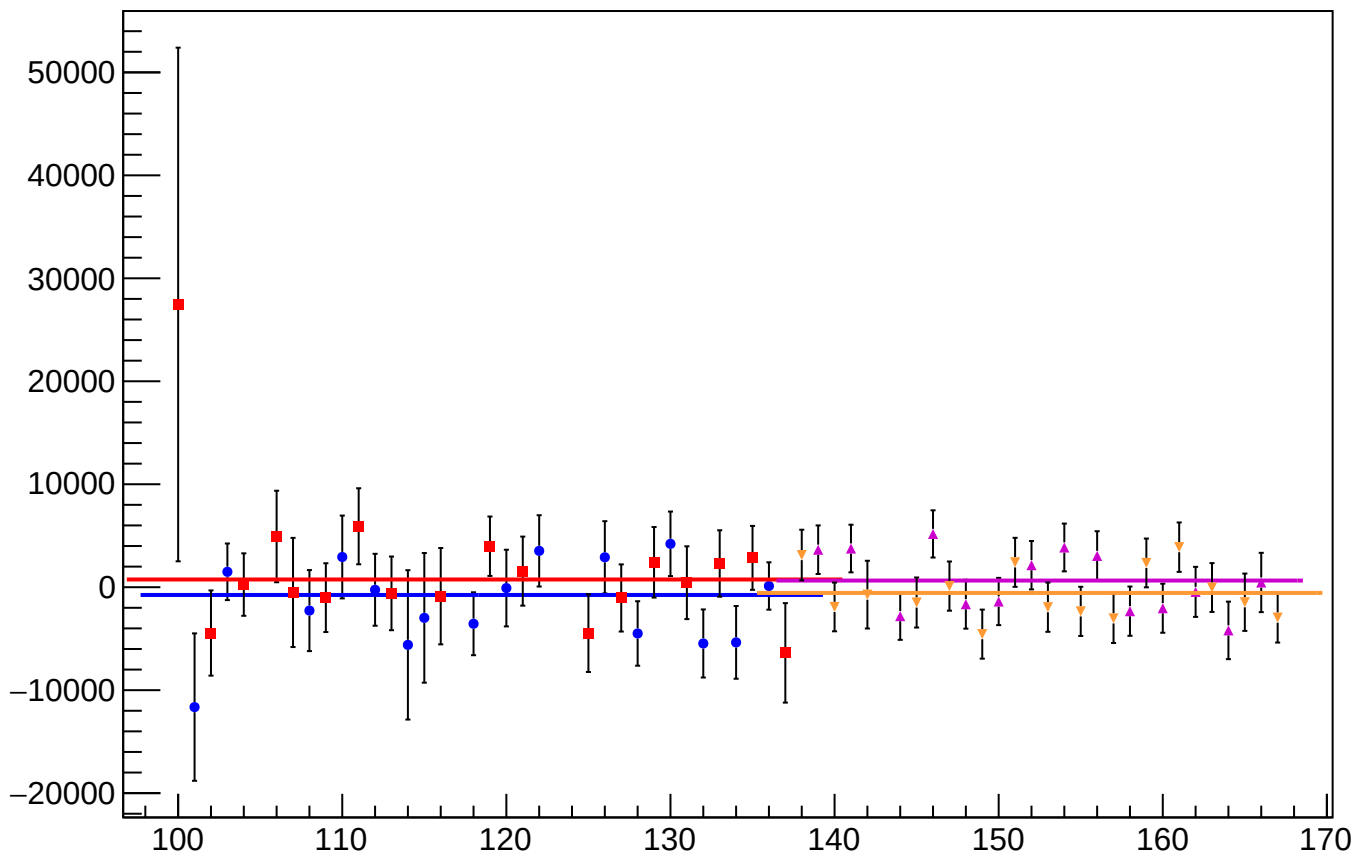
Left In: 150.571 $\pm$ 0.033 χ^2 /NDF: 1010094.3/13

+ sign 157.706 $\pm$ 0.029 χ^2 /NDF: 6584759.6/30

All: 154.603 $\pm$ 0.020 χ^2 /NDF: 13776184.8/62

- sign 151.549 $\pm$ 0.028 χ^2 /NDF: 7168163.6/31

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322 ± 872.653 χ^2/NDF : 15.9/15

Left Out: -555.910 ± 633.928 χ^2/NDF : 15.2/14

Right Out: 749.316 ± 869.366 χ^2/NDF : 12.8/17

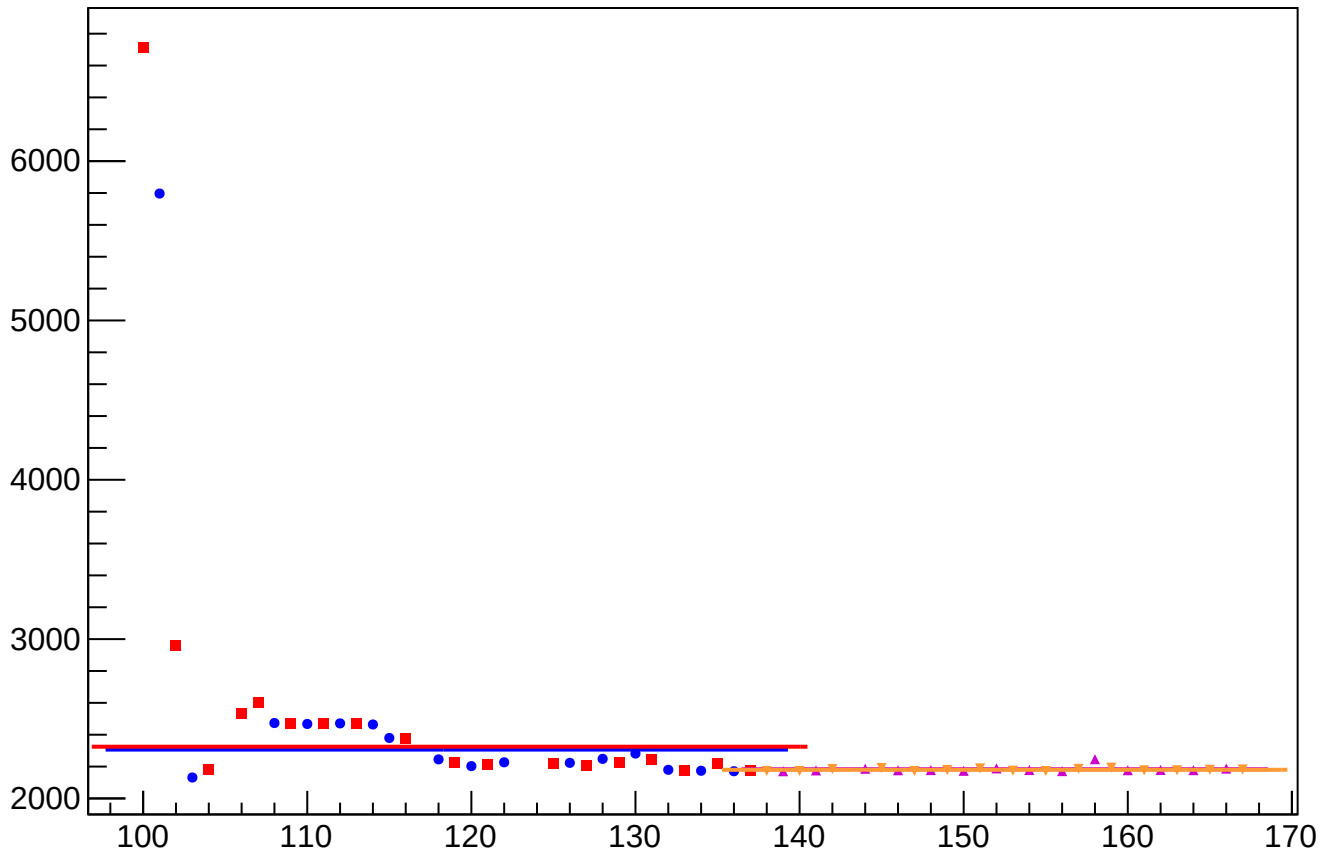
Left In: 646.001 ± 642.516 χ^2/NDF : 20.6/13

+ sign -624.102 ± 512.884 χ^2/NDF : 31.1/30

All: 24.340 ± 364.010 χ^2/NDF : 67.8/62

- sign 682.498 ± 516.712 χ^2/NDF : 33.5/31

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: 2179.803 $\pm$ 0.448 χ^2 /NDF: 246.2/14

Right Out: 2324.685 $\pm$ 0.615 χ^2 /NDF: 153578.5/17

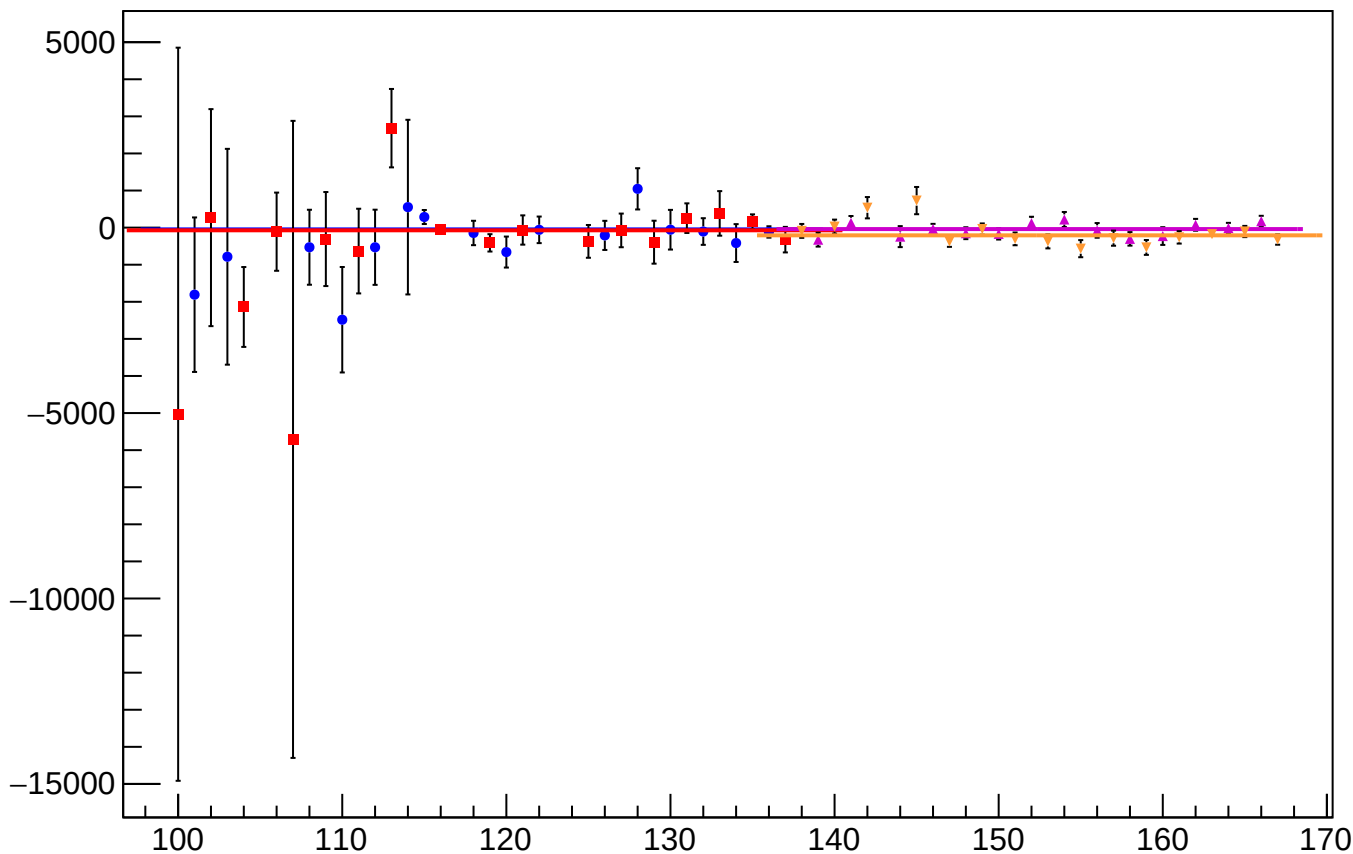
Left In: 2183.365 $\pm$ 0.454 χ^2 /NDF: 1625.2/13

+ sign 2223.617 $\pm$ 0.363 χ^2 /NDF: 542054.7/30

All: 2228.416 $\pm$ 0.257 χ^2 /NDF: 731790.4/62

- sign 2233.288 $\pm$ 0.365 χ^2 /NDF: 189382.8/31

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: -208.036 ± 45.272 χ^2/NDF : 25.2/14

Right Out: -72.198 ± 82.322 χ^2/NDF : 17.4/17

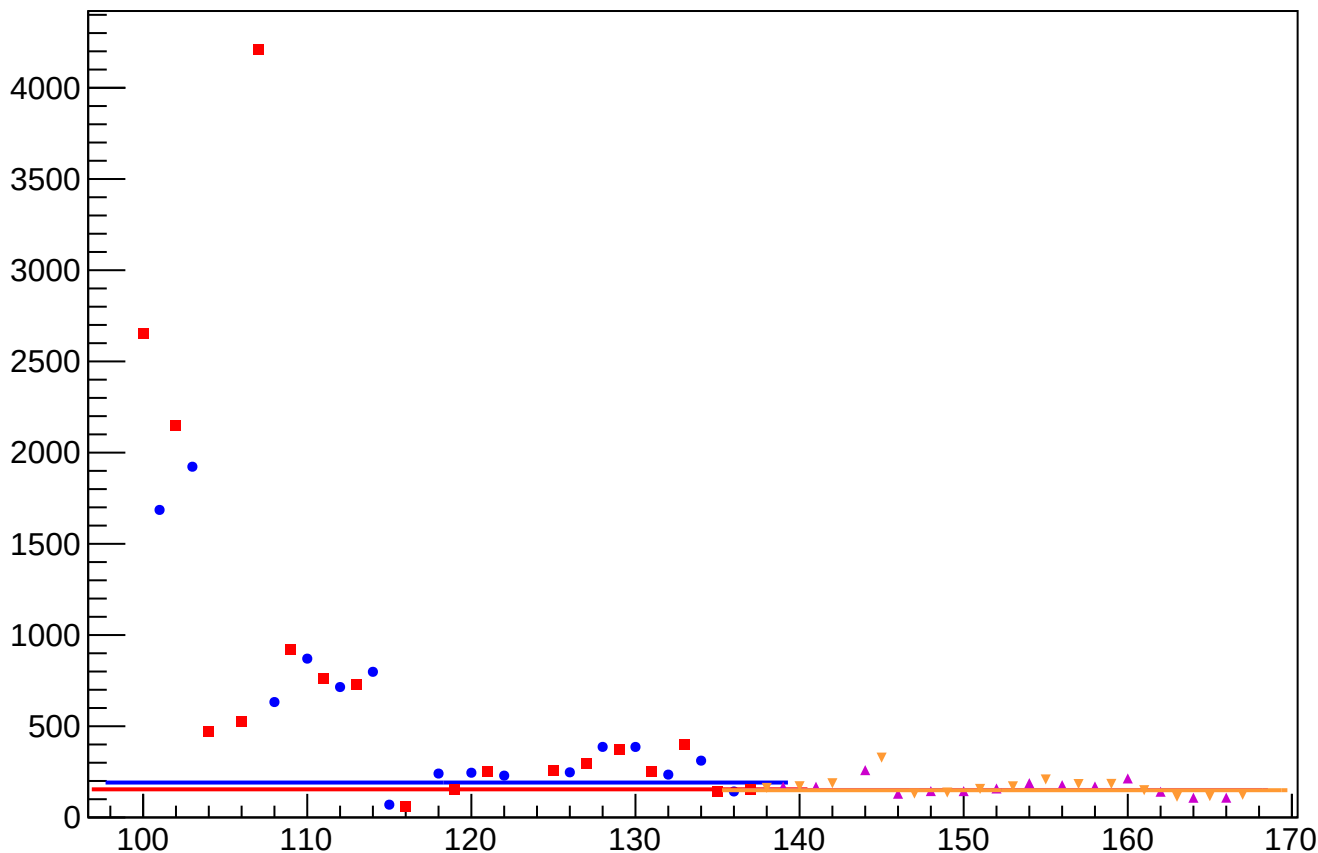
Left In: -39.169 ± 46.070 χ^2/NDF : 12.8/13

+ sign -176.232 ± 40.526 χ^2/NDF : 42.1/30

All: -111.122 ± 28.541 χ^2/NDF : 77.6/62

- sign -47.046 ± 40.203 χ^2/NDF : 30.4/31

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: 149.356 $\pm$ 0.032 χ^2 /NDF: 1177842.9/14

Right Out: 154.121 $\pm$ 0.058 χ^2 /NDF: 6108665.0/17

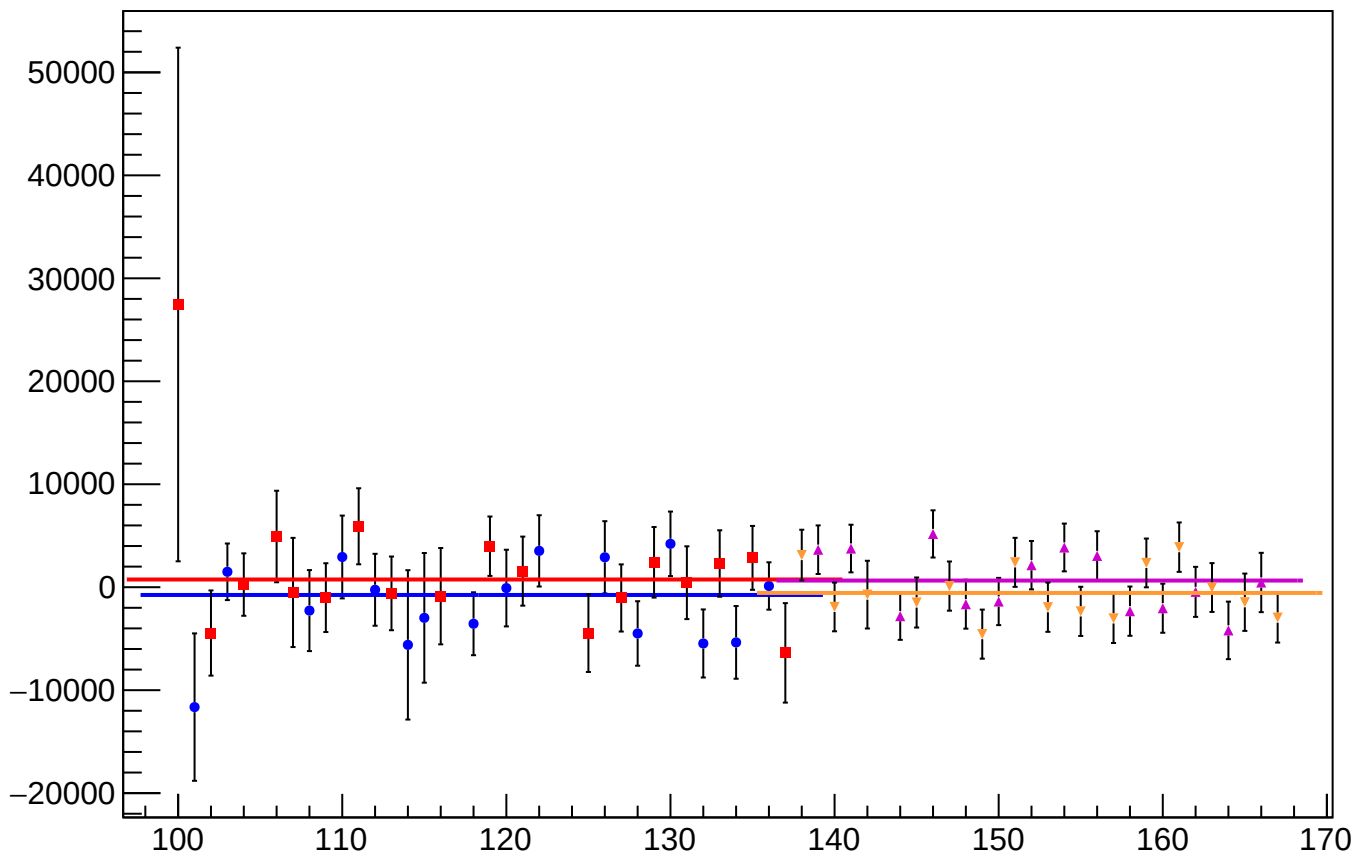
Left In: 150.581 $\pm$ 0.033 χ^2 /NDF: 1010458.5/13

+ sign 157.710 $\pm$ 0.029 χ^2 /NDF: 6584243.0/30

All: 154.543 $\pm$ 0.020 χ^2 /NDF: 13730423.7/62

- sign 151.425 $\pm$ 0.028 χ^2 /NDF: 7121939.7/31

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: -555.910 ± 633.928 χ^2/NDF : 15.2/14

Right Out: 749.316 ± 869.366 χ^2/NDF : 12.8/17

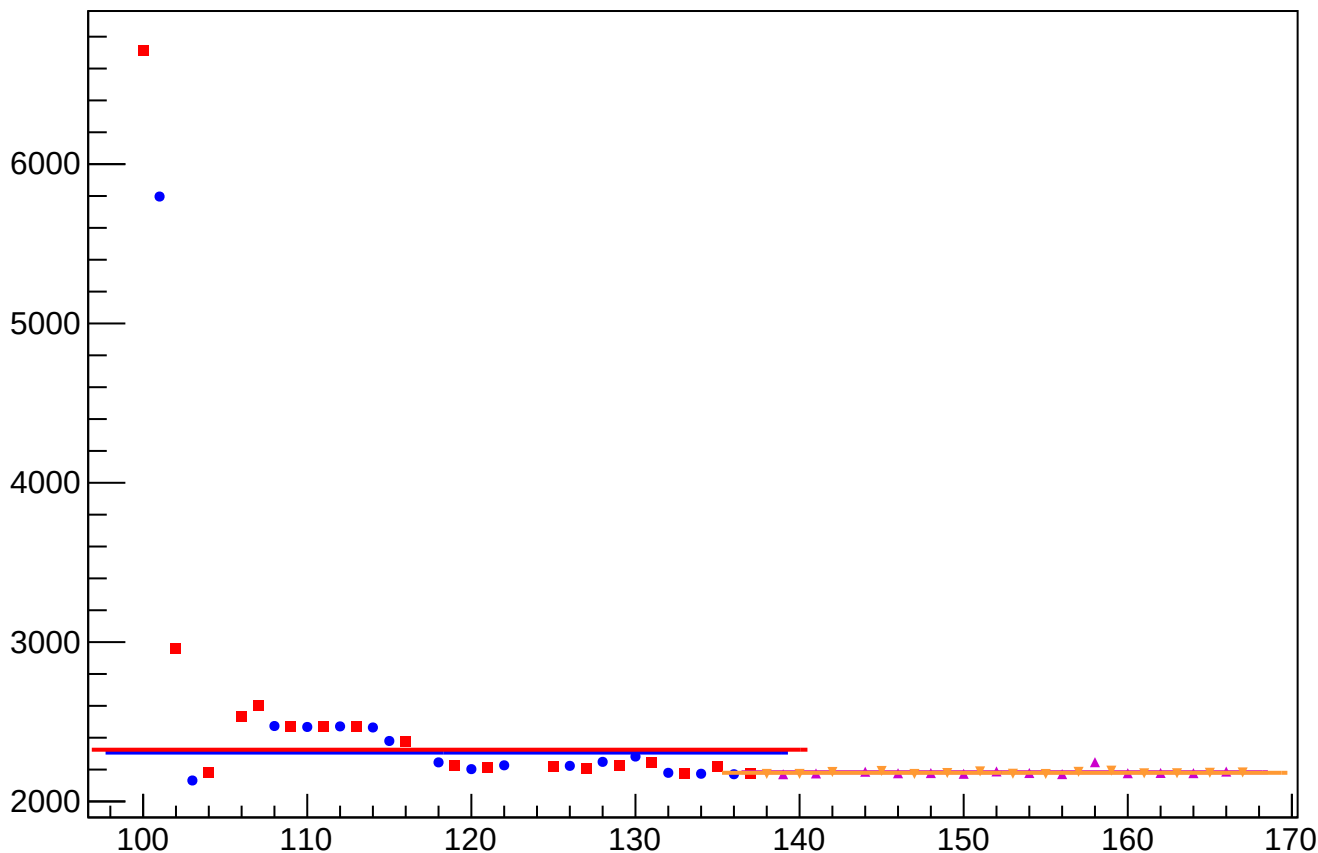
Left In: 646.001 ± 642.516 χ^2/NDF : 20.6/13

+ sign -624.102 ± 512.884 χ^2/NDF : 31.1/30

All: 24.340 ± 364.010 χ^2/NDF : 67.8/62

- sign 682.498 ± 516.712 χ^2/NDF : 33.5/31

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 0.617 χ^2 /NDF: 514150.6/15

Left Out: 2179.803 $\pm$ 0.448 χ^2 /NDF: 246.2/14

Right Out: 2324.685 $\pm$ 0.615 χ^2 /NDF: 153578.5/17

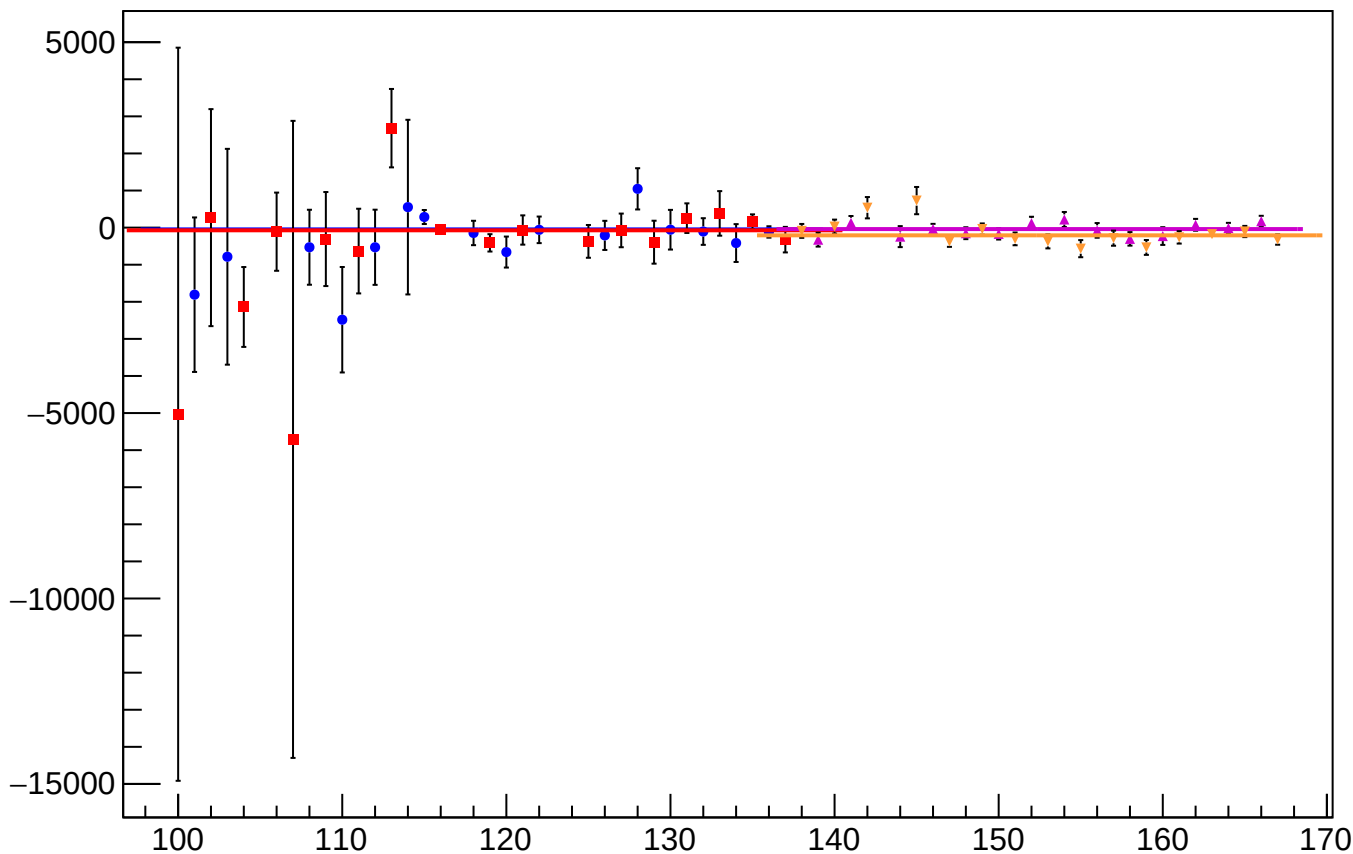
Left In: 2183.365 $\pm$ 0.454 χ^2 /NDF: 1625.2/13

+ sign 2223.617 $\pm$ 0.363 χ^2 /NDF: 542054.7/30

All: 2228.416 $\pm$ 0.257 χ^2 /NDF: 731790.4/62

- sign 2233.288 $\pm$ 0.365 χ^2 /NDF: 189382.8/31

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960 ± 90.920 χ^2/NDF : 14.4/15

Left Out: -208.036 ± 45.272 χ^2/NDF : 25.2/14

Right Out: -72.198 ± 82.322 χ^2/NDF : 17.4/17

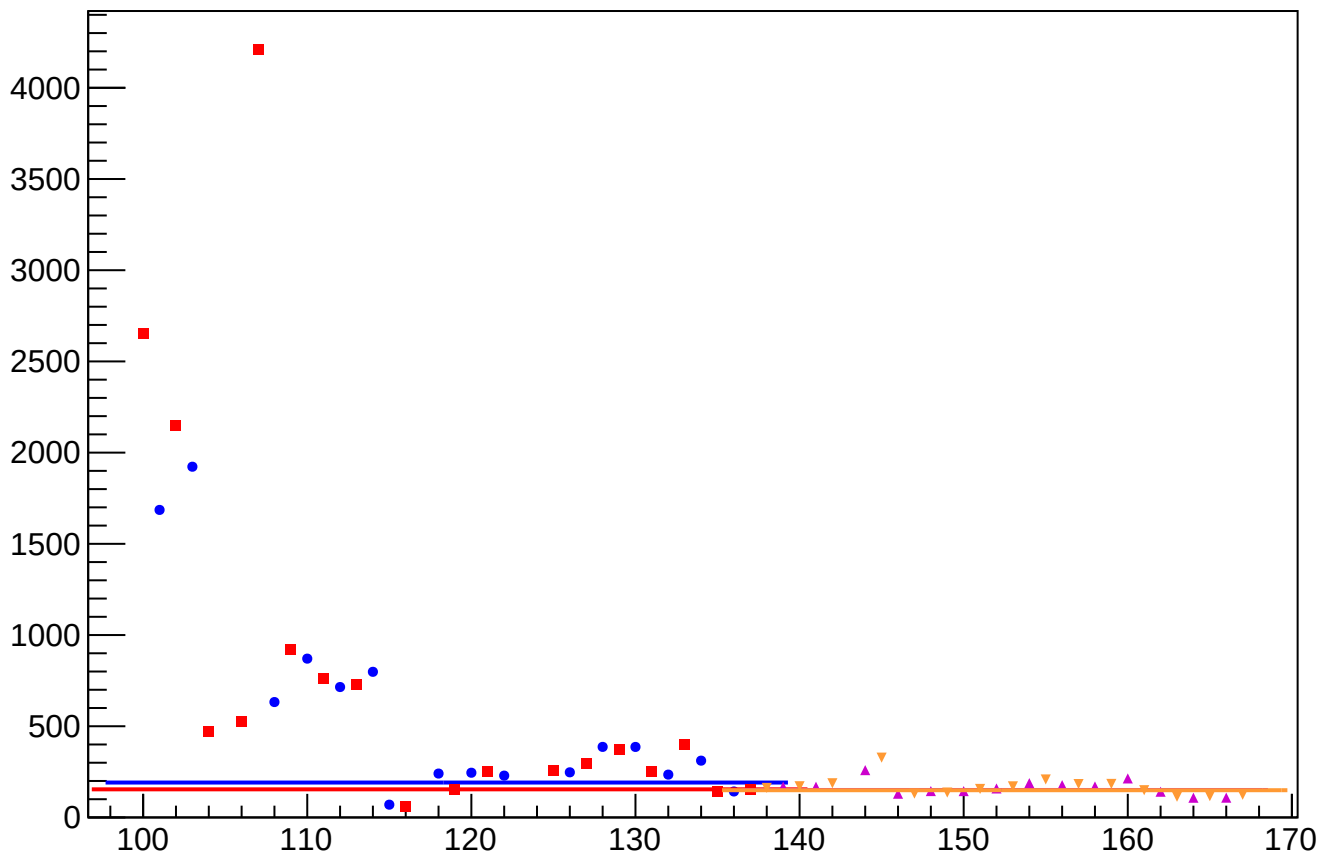
Left In: -39.169 ± 46.070 χ^2/NDF : 12.8/13

+ sign -176.232 ± 40.526 χ^2/NDF : 42.1/30

All: -111.122 ± 28.541 χ^2/NDF : 77.6/62

- sign -47.046 ± 40.203 χ^2/NDF : 30.4/31

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: 149.356 $\pm$ 0.032 χ^2 /NDF: 1177842.9/14

Right Out: 154.121 $\pm$ 0.058 χ^2 /NDF: 6108665.0/17

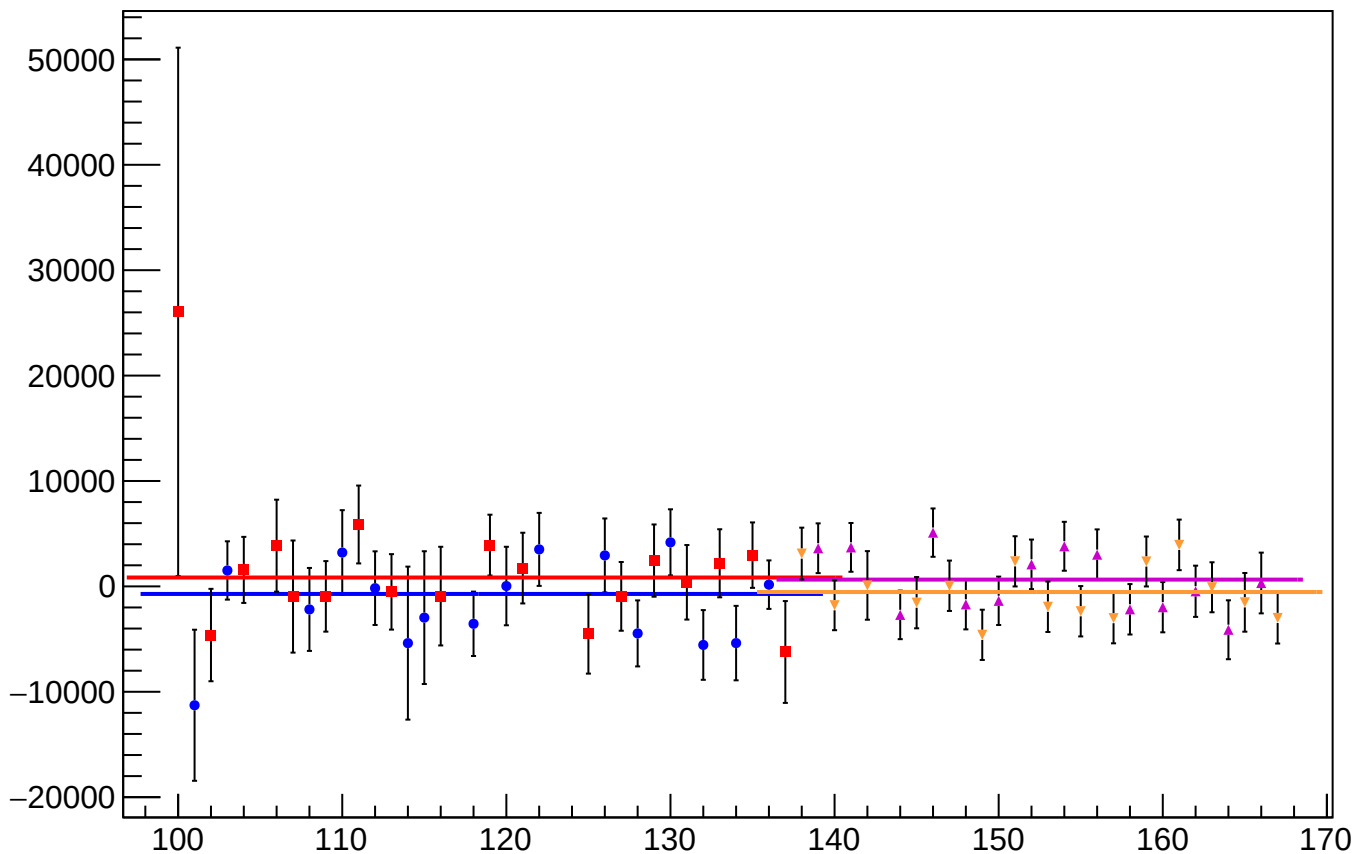
Left In: 150.581 $\pm$ 0.033 χ^2 /NDF: 1010458.5/13

+ sign 157.710 $\pm$ 0.029 χ^2 /NDF: 6584243.0/30

All: 154.543 $\pm$ 0.020 χ^2 /NDF: 13730423.7/62

- sign 151.425 $\pm$ 0.028 χ^2 /NDF: 7121939.7/31

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136 ± 873.539 χ^2/NDF : 15.8/15

Left Out: -534.891 ± 633.887 χ^2/NDF : 15.3/14

Right Out: 842.157 ± 873.586 χ^2/NDF : 12.2/17

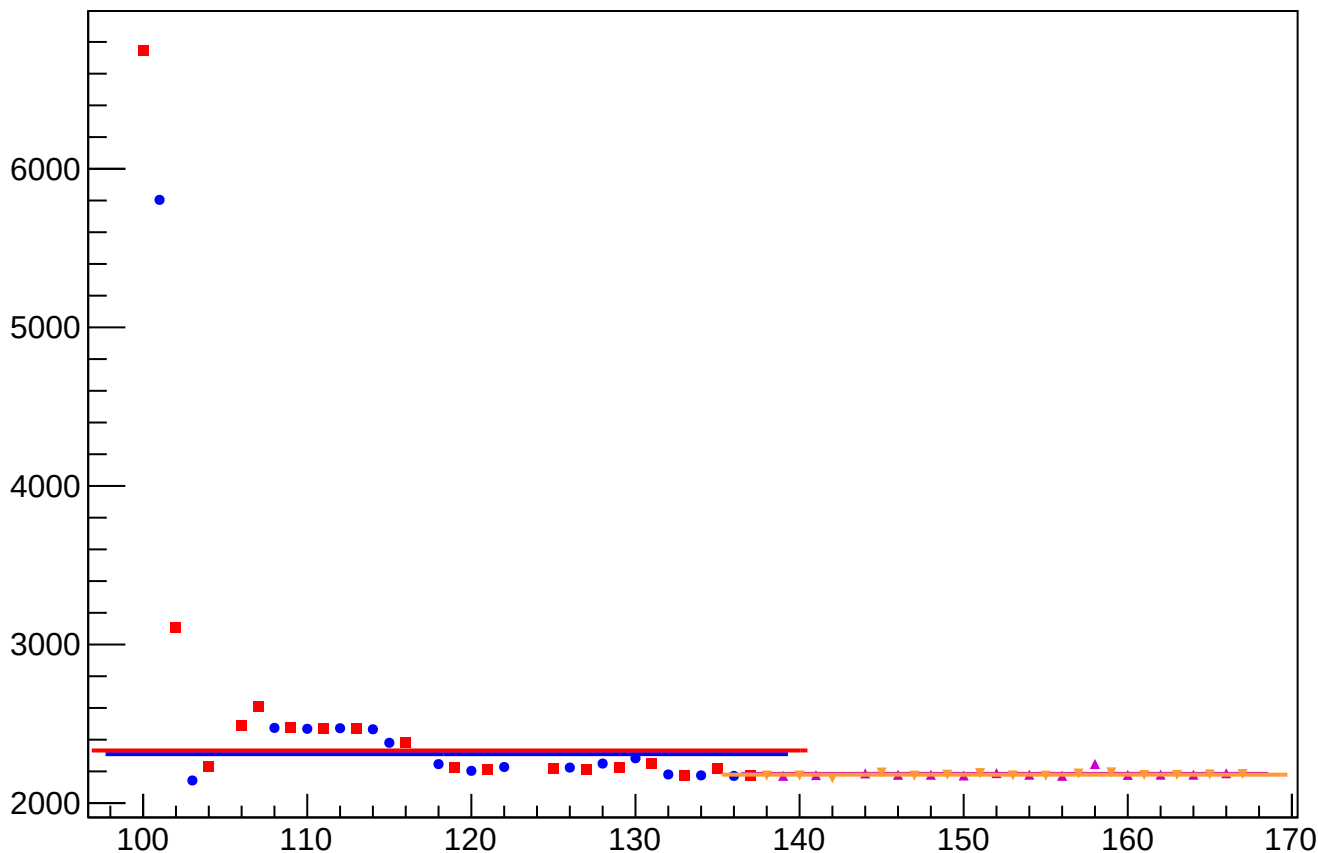
Left In: 642.795 ± 642.748 χ^2/NDF : 19.9/13

+ sign -597.754 ± 513.042 χ^2/NDF : 31.2/30

All: 51.587 ± 364.417 χ^2/NDF : 66.5/62

- sign 712.814 ± 517.716 χ^2/NDF : 32.1/31

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF : 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF : 349.0/14

Right Out: 2331.849+/-0.618 χ^2/NDF : 167321.7/17

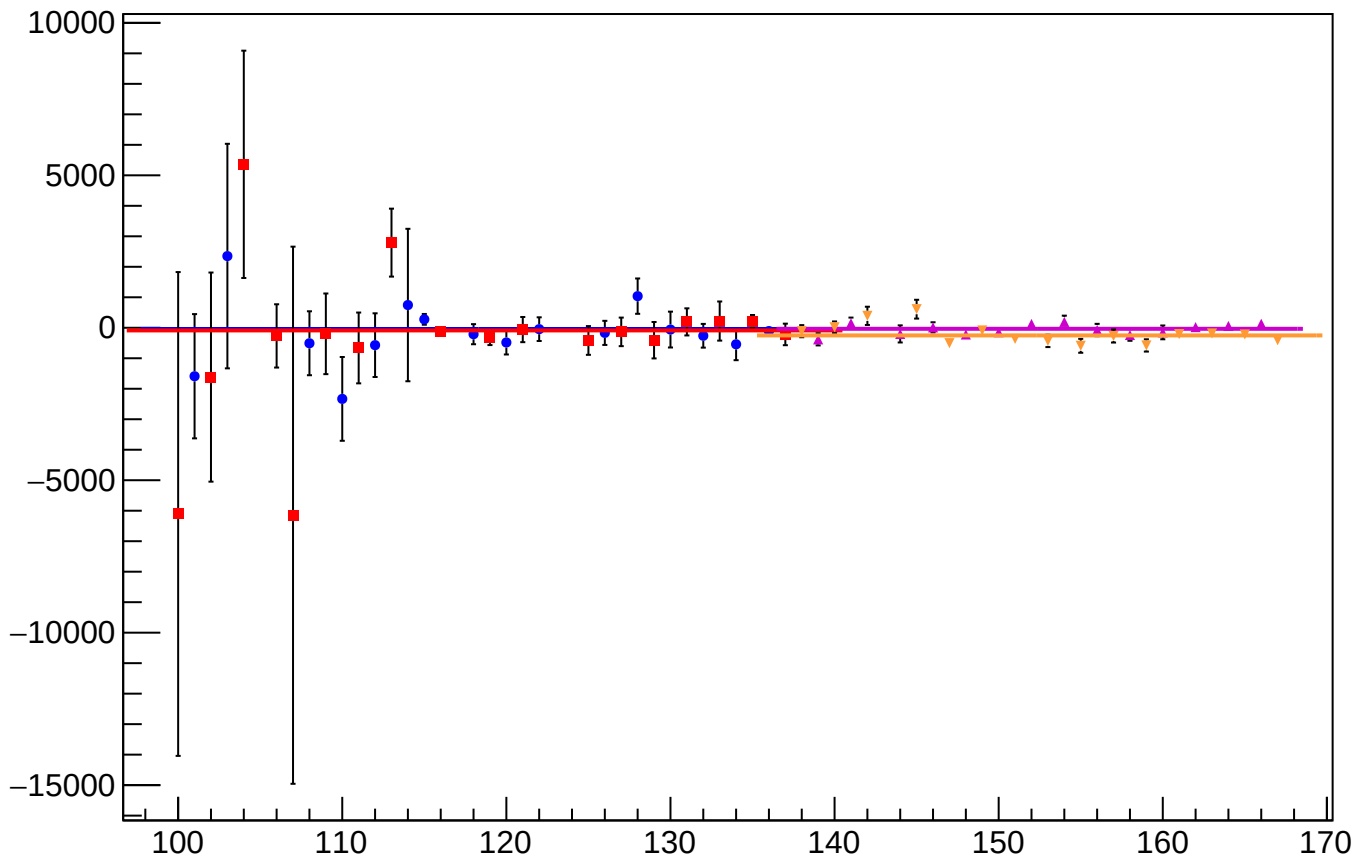
Left In: 2184.155+/-0.454 χ^2/NDF : 1617.1/13

+ sign 2224.042+/-0.363 χ^2/NDF : 542794.2/30

All: 2229.980+/-0.258 χ^2/NDF : 749363.2/62

- sign 2236.027+/-0.366 χ^2/NDF : 206028.2/31

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: -250.511 ± 45.322 χ^2/NDF : 26.4/14

Right Out: -86.379 ± 86.088 χ^2/NDF : 15.0/17

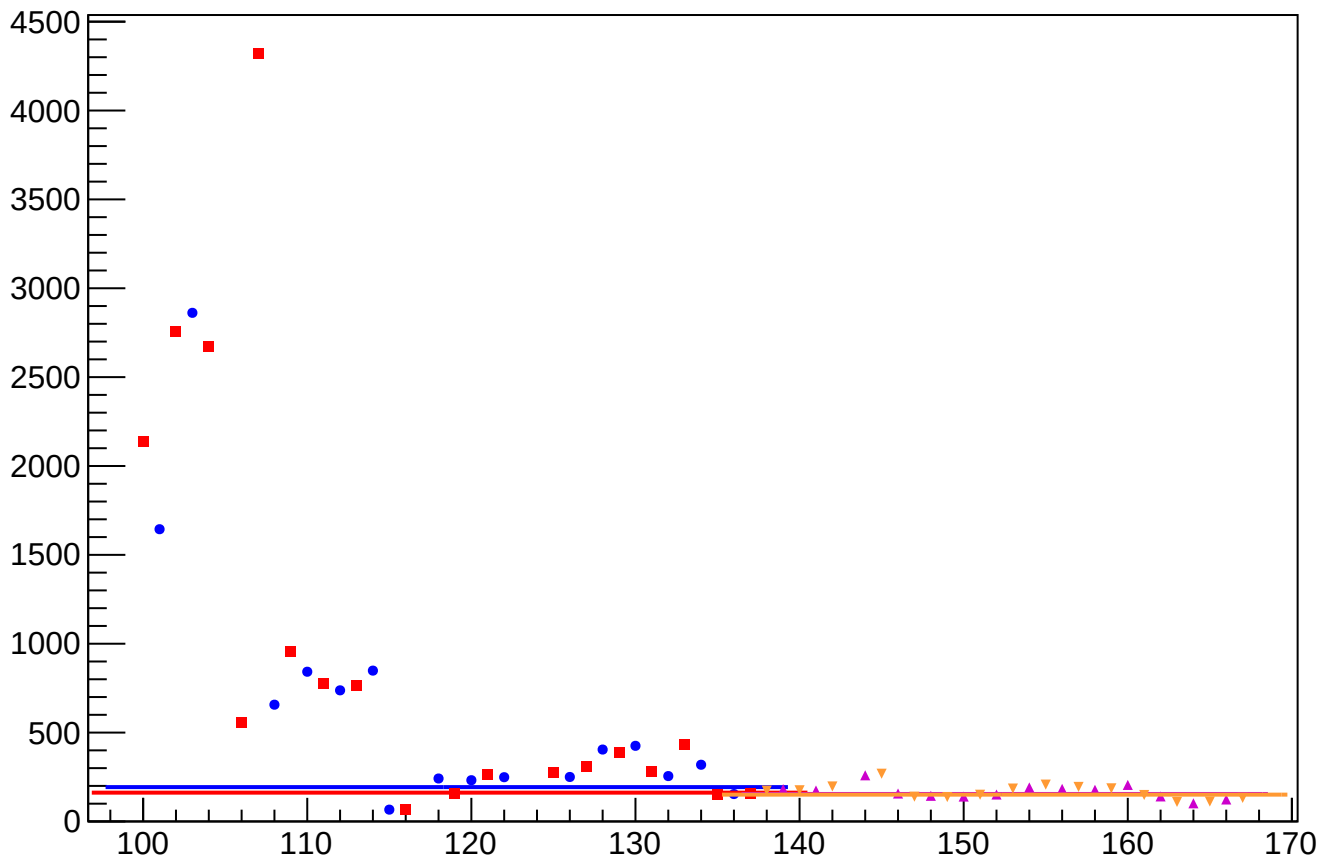
Left In: -34.071 ± 46.752 χ^2/NDF : 11.7/13

+ sign -209.715 ± 40.692 χ^2/NDF : 44.7/30

All: -128.636 ± 28.911 χ^2/NDF : 79.6/62

- sign -45.984 ± 41.084 χ^2/NDF : 27.0/31

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255 $\pm$ 0.065 χ^2 /NDF: 5617847.0/15

Left Out: 150.908 $\pm$ 0.032 χ^2 /NDF: 1153159.7/14

Right Out: 162.114 $\pm$ 0.061 χ^2 /NDF: 7070489.1/17

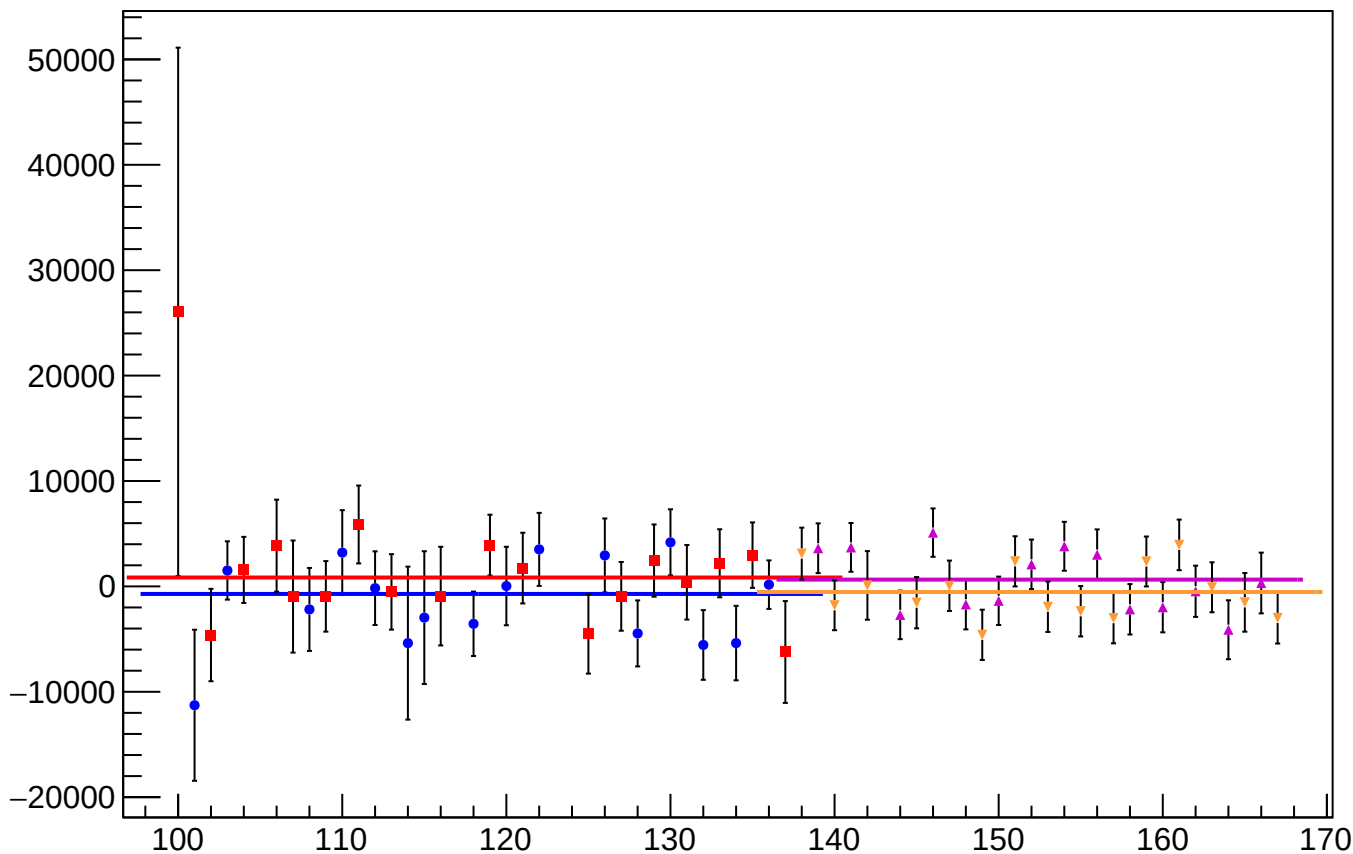
Left In: 154.608 $\pm$ 0.033 χ^2 /NDF: 1014106.0/13

+ sign 159.119 $\pm$ 0.029 χ^2 /NDF: 7109570.9/30

All: 157.732 $\pm$ 0.020 χ^2 /NDF: 15210602.0/62

- sign 156.318 $\pm$ 0.029 χ^2 /NDF: 8096336.4/31

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137 $\pm$ 873.539 χ^2 /NDF: 15.8/15

Left Out: -534.893 $\pm$ 633.887 χ^2 /NDF:15.3/14

Right Out: 842.159 $\pm$ 873.586 χ^2 /NDF: 12.2/17

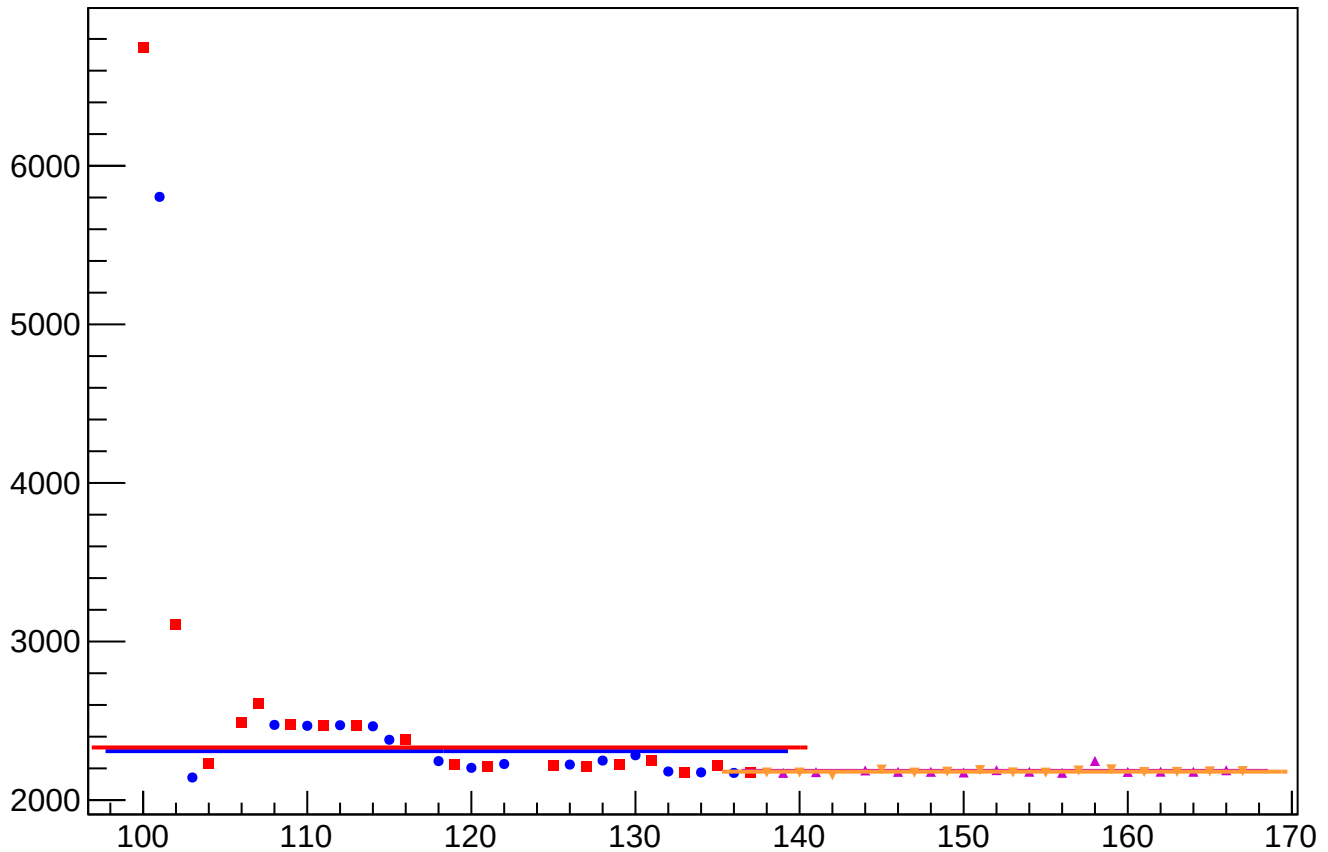
Left In: 642.794 $\pm$ 642.748 χ^2 /NDF:19.9/13

+ sign -597.756 $\pm$ 513.042 χ^2 /NDF: 31.2/30

All: 51.586 $\pm$ 364.417 χ^2 /NDF: 66.5/62

- sign 712.814 $\pm$ 517.716 χ^2 /NDF: 32.1/31

eigen_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: 2179.442 $\pm$ 0.448 χ^2 /NDF: 349.0/14

+ sign 2224.041 $\pm$ 0.363 χ^2 /NDF: 542794.2/30

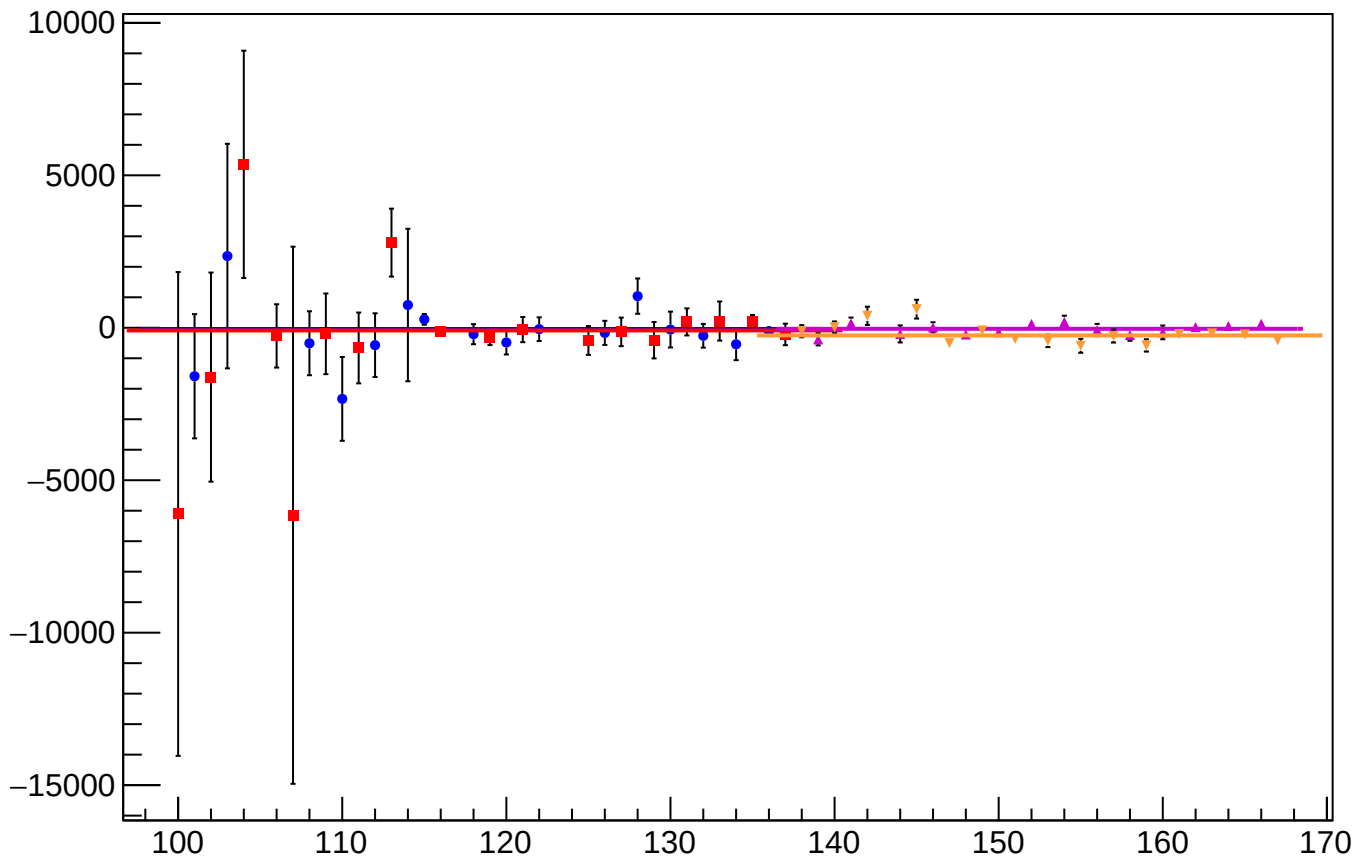
Right Out: 2331.849 $\pm$ 0.618 χ^2 /NDF: 167321.6/17

All: 2229.980 $\pm$ 0.258 χ^2 /NDF: 749363.1/62

Left In: 2184.155 $\pm$ 0.454 χ^2 /NDF: 1617.1/13

- sign 2236.027 $\pm$ 0.366 χ^2 /NDF: 206028.0/31

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: -250.511 ± 45.322 χ^2/NDF : 26.4/14

Right Out: -86.380 ± 86.087 χ^2/NDF : 15.0/17

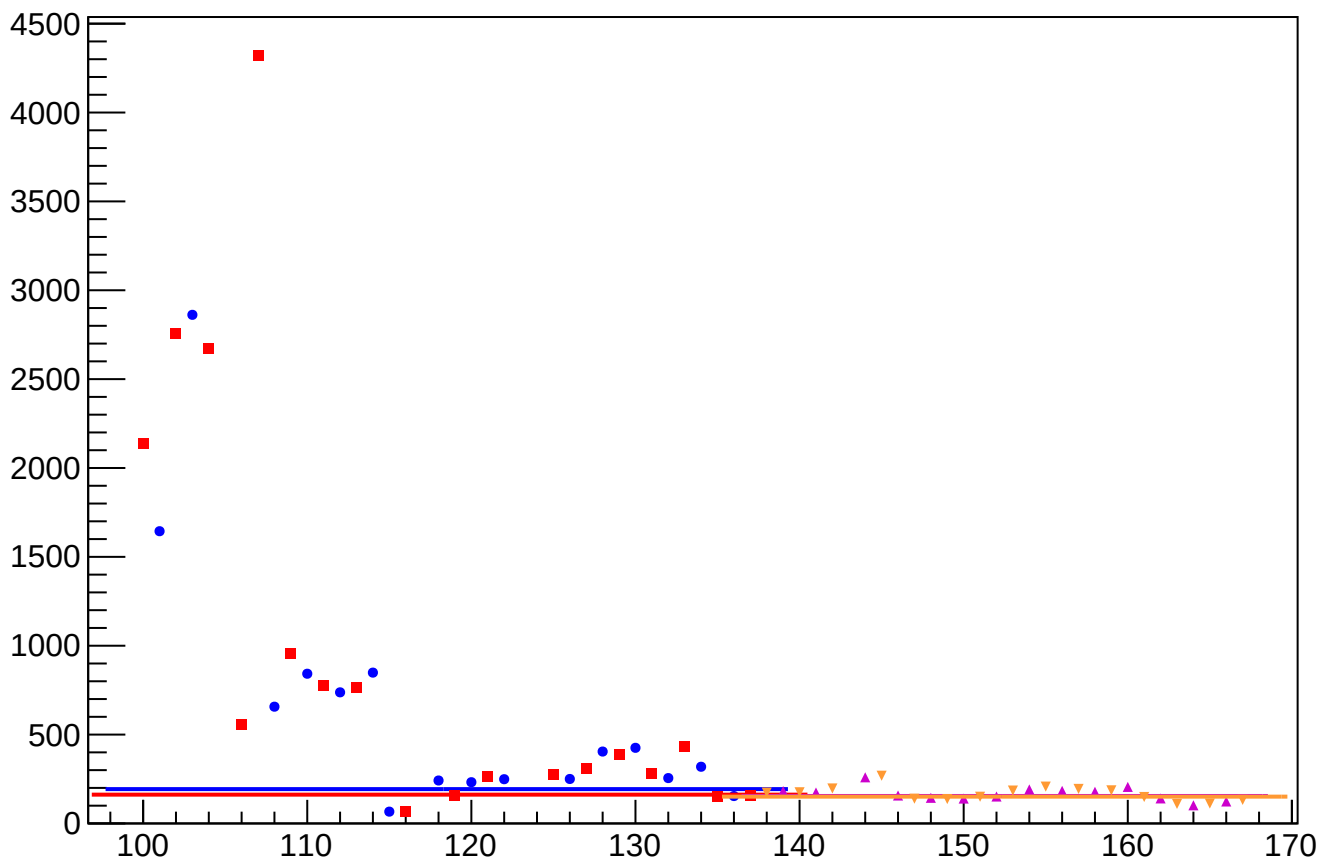
Left In: -34.069 ± 46.752 χ^2/NDF : 11.7/13

+ sign -209.714 ± 40.692 χ^2/NDF : 44.7/30

All: -128.635 ± 28.911 χ^2/NDF : 79.6/62

- sign -45.983 ± 41.084 χ^2/NDF : 27.0/31

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: 150.908+/-0.032 χ^2/NDF : 1153197.7/14

Right Out: 162.112+/-0.061 χ^2/NDF : 7070547.9/17

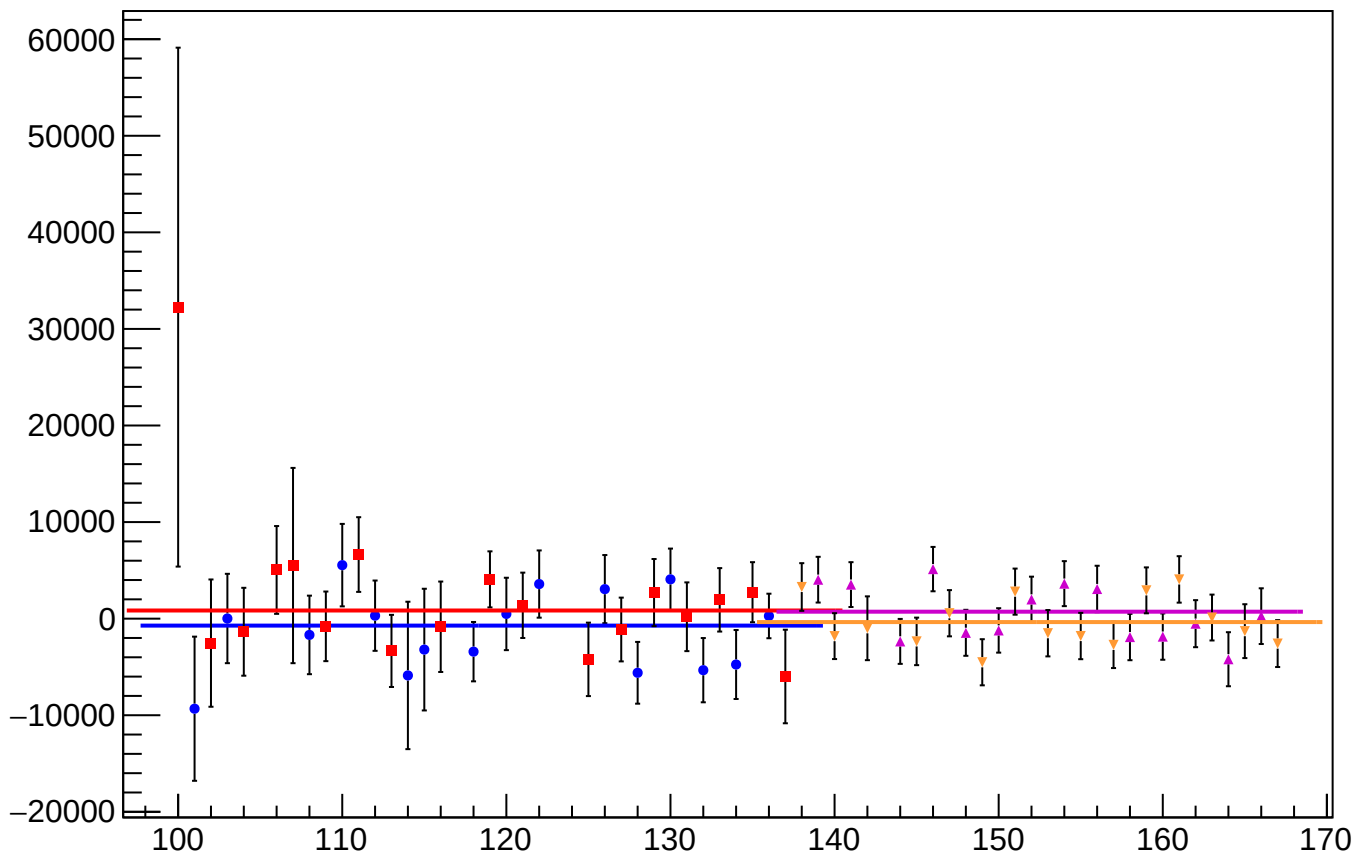
Left In: 154.608+/-0.033 χ^2/NDF : 1014148.1/13

+ sign 159.119+/-0.029 χ^2/NDF : 7109618.7/30

All: 157.731+/-0.020 χ^2/NDF : 15210744.5/62

- sign 156.317+/-0.029 χ^2/NDF : 8096430.9/31

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF : 15.8/15

Left Out: -353.588+/-636.254 χ^2/NDF : 16.0/14

Right Out: 844.810+/-928.703 χ^2/NDF : 12.9/17

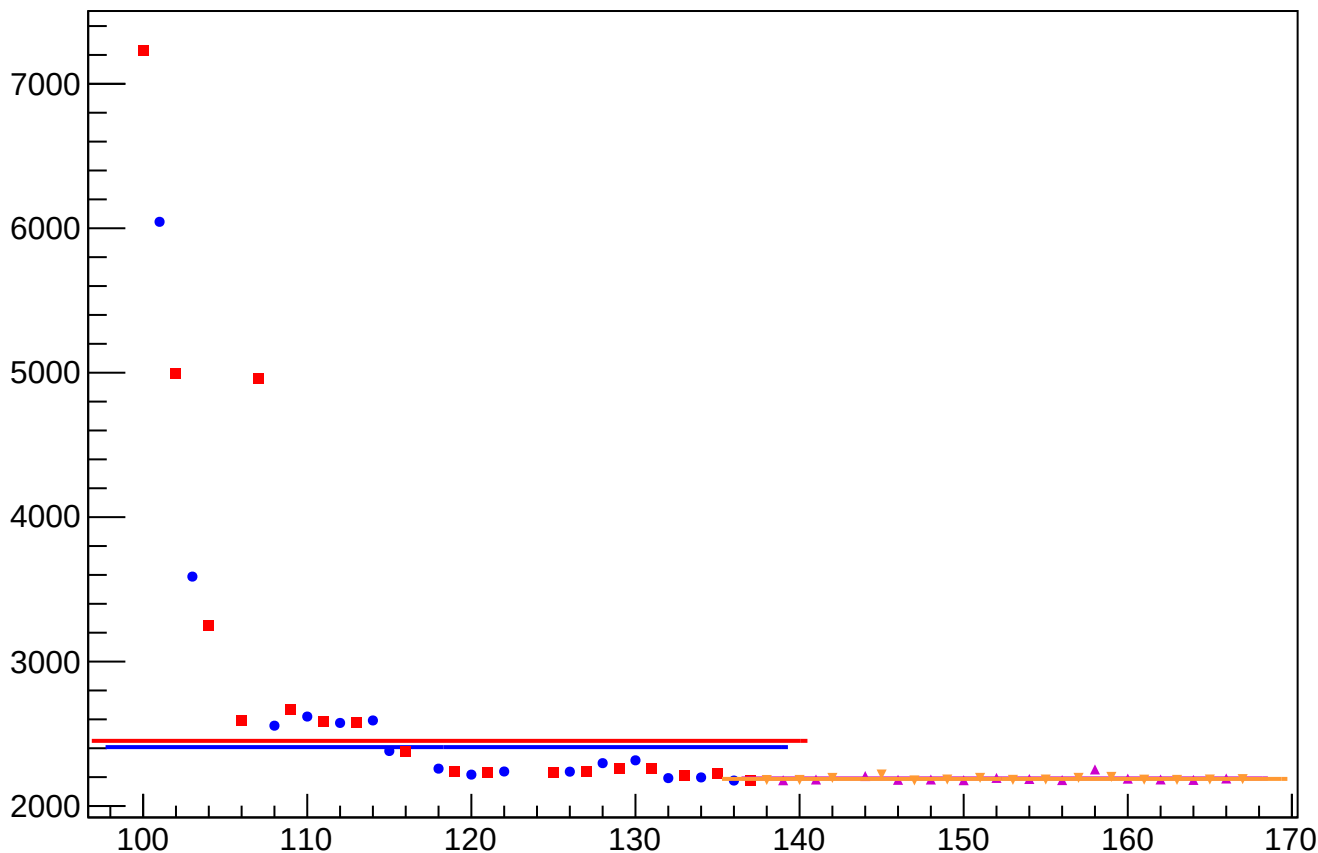
Left In: 720.860+/-644.814 χ^2/NDF : 18.9/13

+ sign -472.655+/-522.604 χ^2/NDF : 31.9/30

All: 135.985+/-372.007 χ^2/NDF : 66.5/62

- sign 761.177+/-529.662 χ^2/NDF : 31.9/31

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF : 676891.3/15

Left Out: 2187.790+/-0.450 χ^2/NDF : 552.7/14

Right Out: 2451.189+/-0.657 χ^2/NDF : 633600.1/17

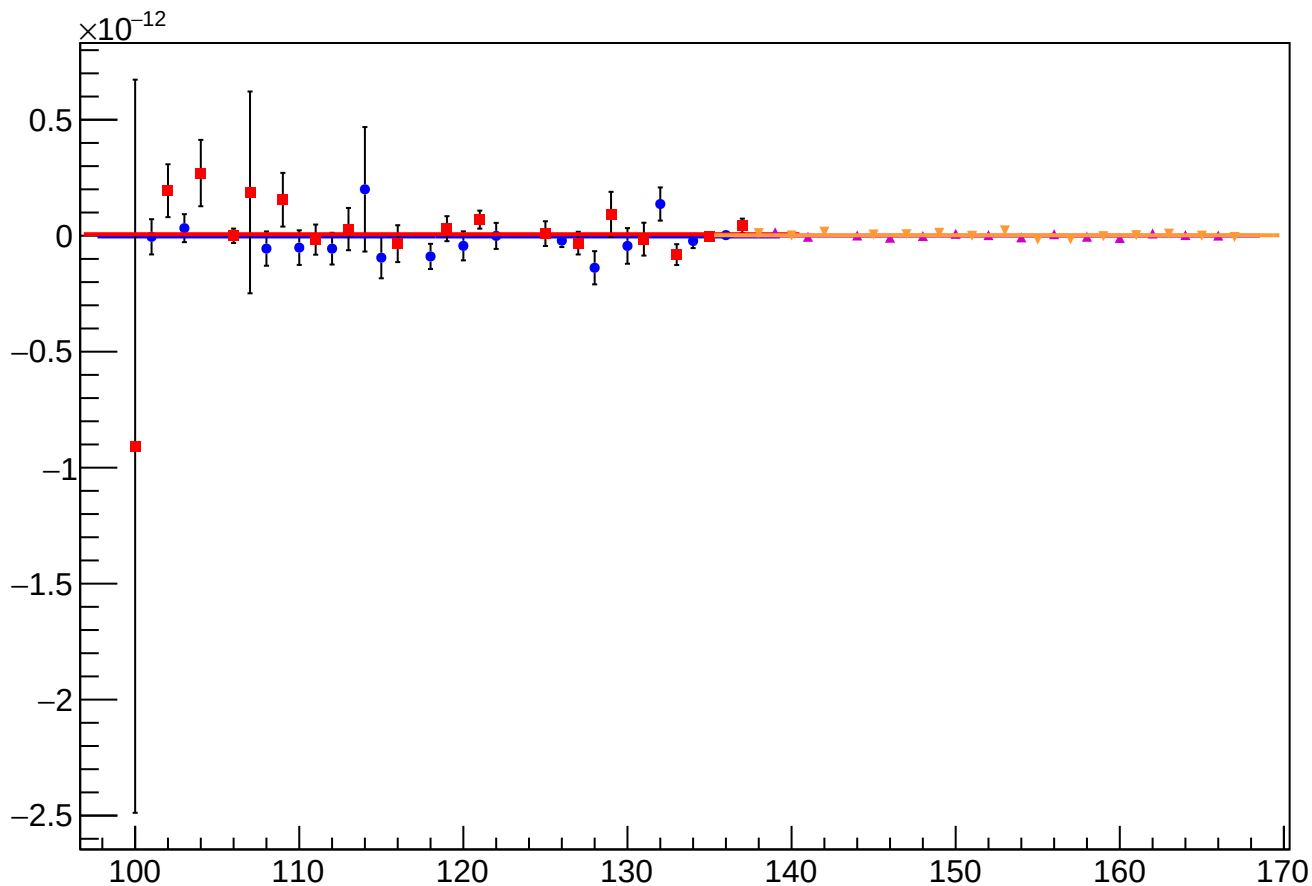
Left In: 2191.168+/-0.456 χ^2/NDF : 1732.7/13

+ sign 2259.367+/-0.370 χ^2/NDF : 755242.5/30

All: 2267.446+/-0.263 χ^2/NDF : 1497329.6/62

- sign 2275.745+/-0.375 χ^2/NDF : 741118.0/31

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:15.0/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/17

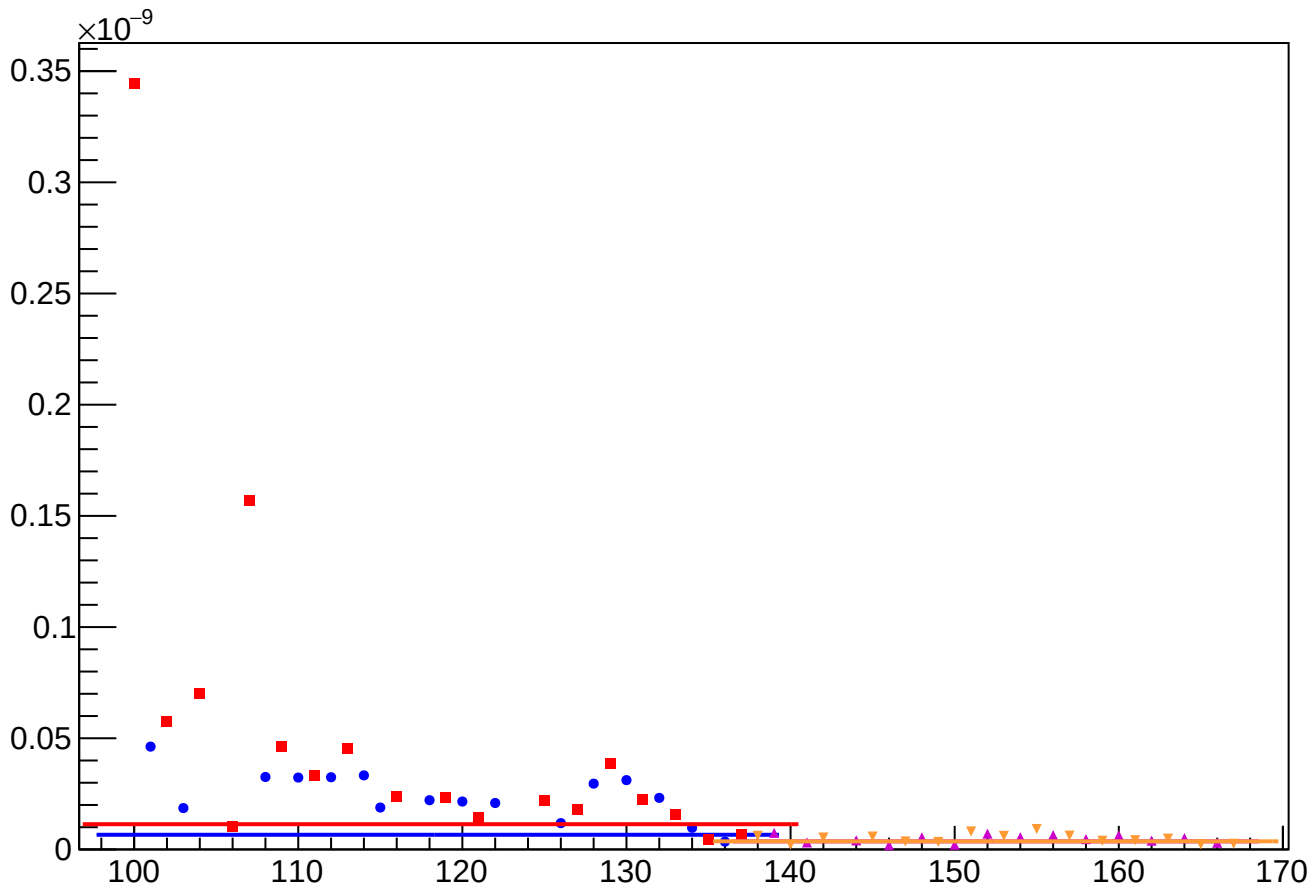
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 61.8/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/31

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1411890.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2697712.1/17

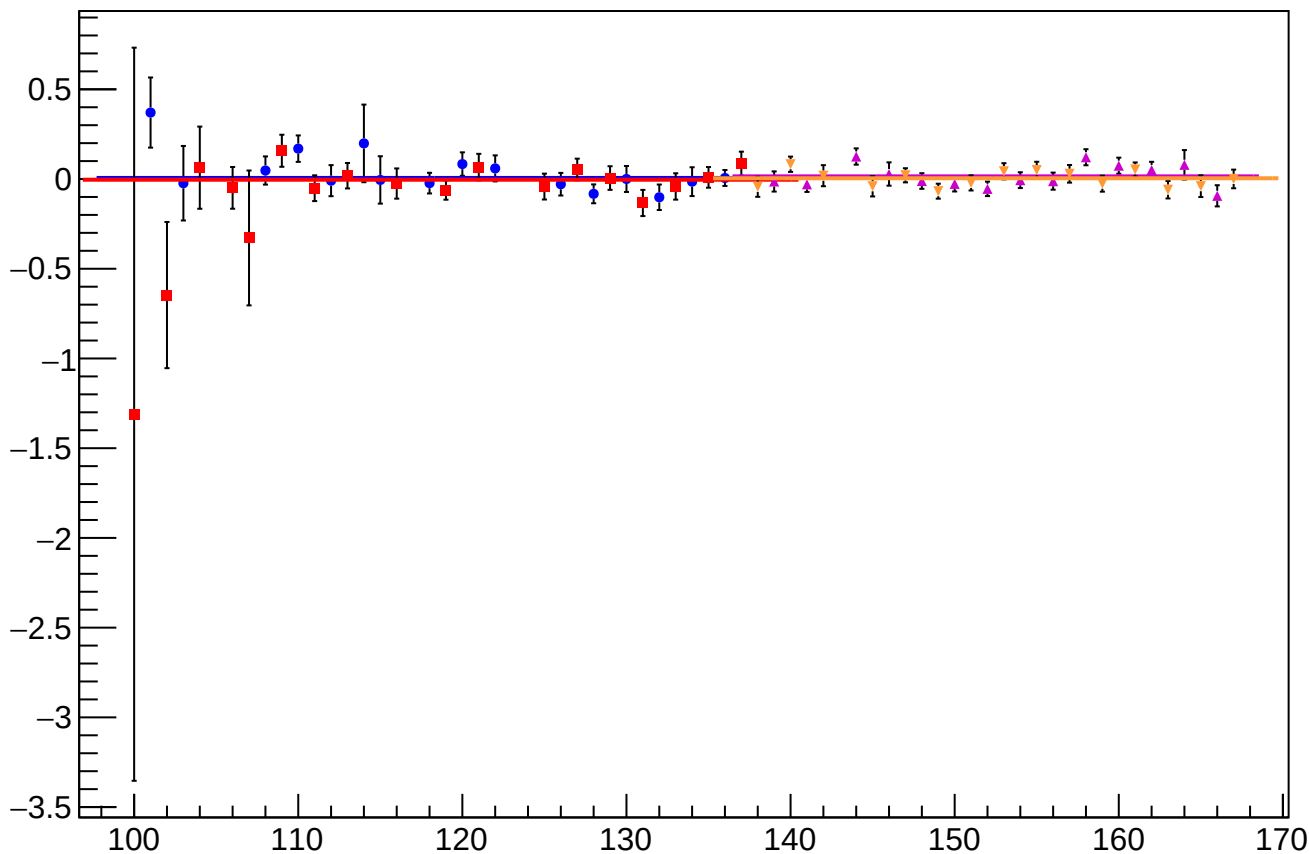
Left In: 0.000+/-0.000 χ^2/NDF : 1206777.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 4668775.2/30

All: 0.000+/-0.000 χ^2/NDF : 9765838.9/62

- sign 0.000+/-0.000 χ^2/NDF : 5095914.7/31

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.004 $\pm$ 0.012 χ^2 /NDF: 14.5/14

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

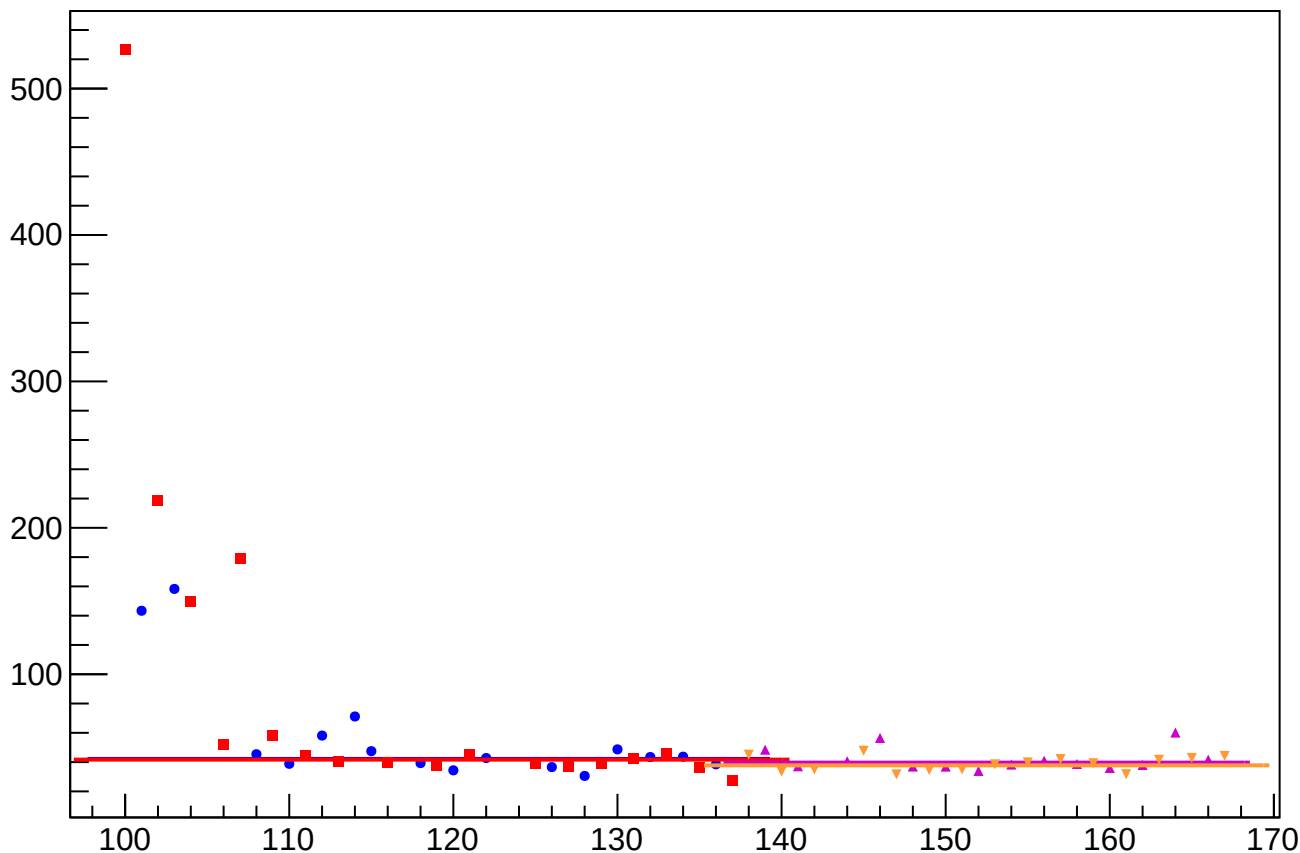
Left In: 0.015 $\pm$ 0.013 χ^2 /NDF: 24.2/13

+ sign 0.005 $\pm$ 0.010 χ^2 /NDF: 31.8/30

All: 0.007 $\pm$ 0.007 χ^2 /NDF: 73.0/62

- sign 0.009 $\pm$ 0.011 χ^2 /NDF: 41.2/31

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165 $\pm$ 0.013 χ^2 /NDF: 1454378.8/15

Left Out: 37.783 $\pm$ 0.009 χ^2 /NDF: 315003.5/14

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441204.7/17

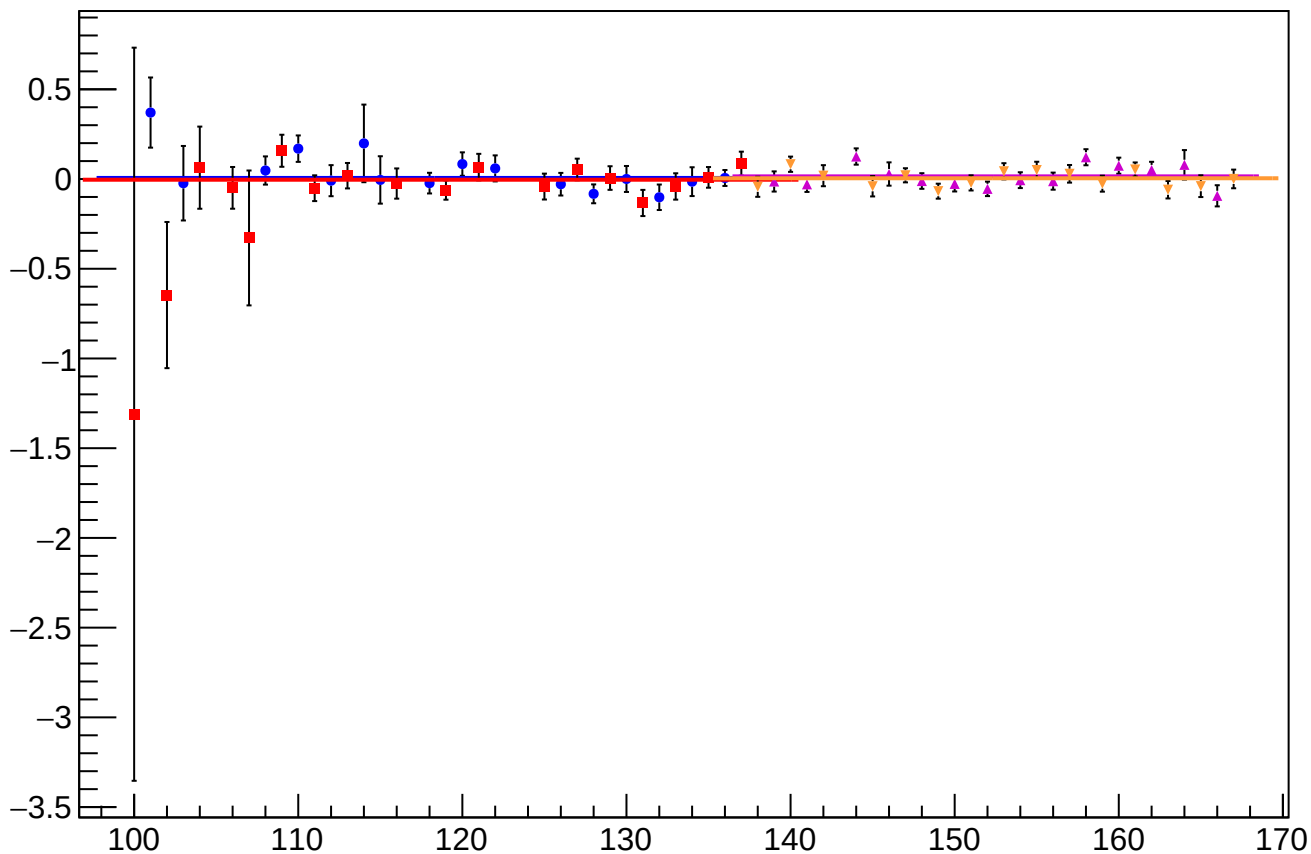
Left In: 39.653 $\pm$ 0.009 χ^2 /NDF: 394705.9/13

+ sign 39.119 $\pm$ 0.007 χ^2 /NDF: 1849472.2/30

All: 39.687 $\pm$ 0.005 χ^2 /NDF: 3715015.4/62

- sign 40.304 $\pm$ 0.007 χ^2 /NDF: 1852290.2/31

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.018 χ^2/NDF : 17.2/15

Left Out: 0.004 ± 0.012 χ^2/NDF : 14.5/14

Right Out: -0.004 ± 0.019 χ^2/NDF : 16.3/17

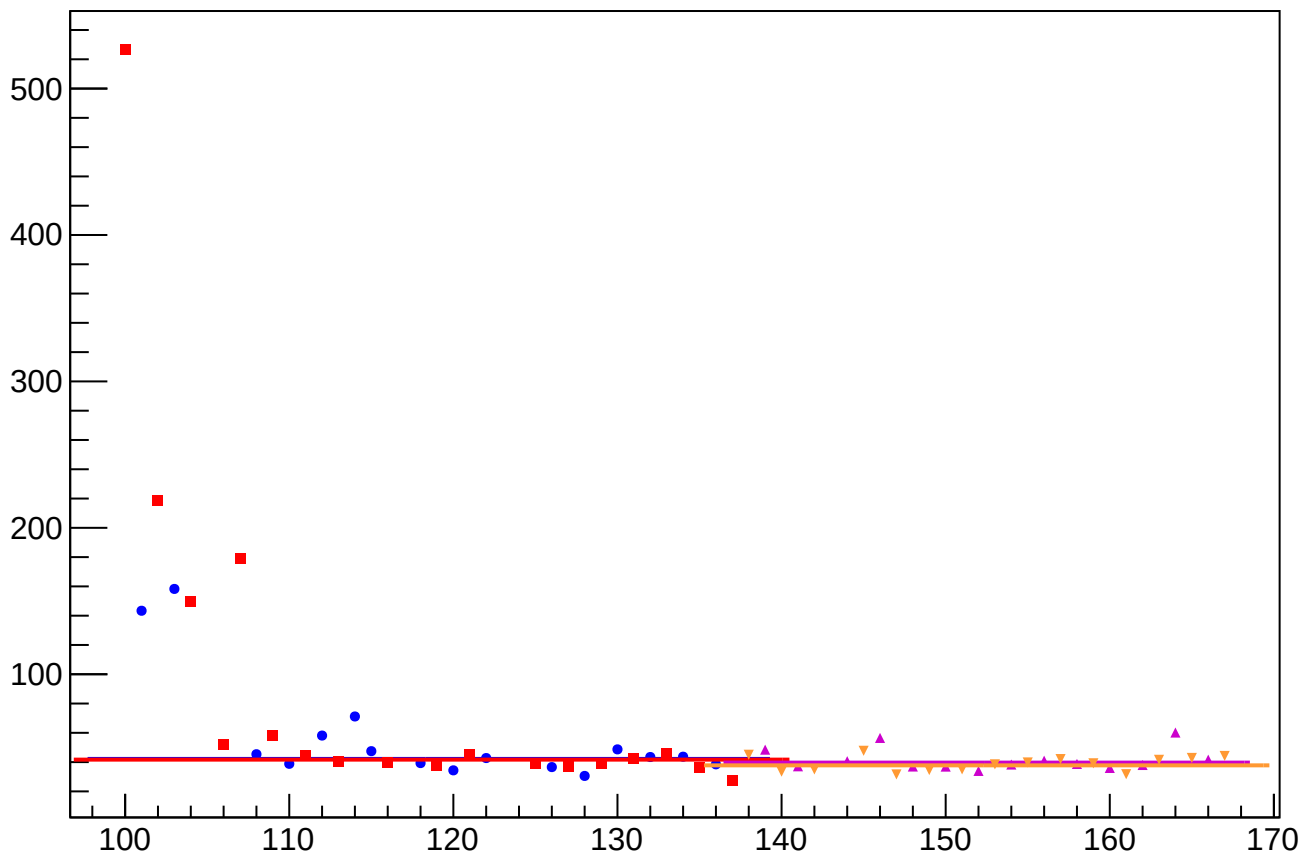
Left In: 0.015 ± 0.013 χ^2/NDF : 24.2/13

+ sign 0.005 ± 0.010 χ^2/NDF : 31.8/30

All: 0.007 ± 0.007 χ^2/NDF : 73.0/62

- sign 0.009 ± 0.011 χ^2/NDF : 41.2/31

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.165 $\pm$ 0.013 χ^2 /NDF: 1454378.8/15

Left Out: 37.783 $\pm$ 0.009 χ^2 /NDF: 315003.5/14

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441204.7/17

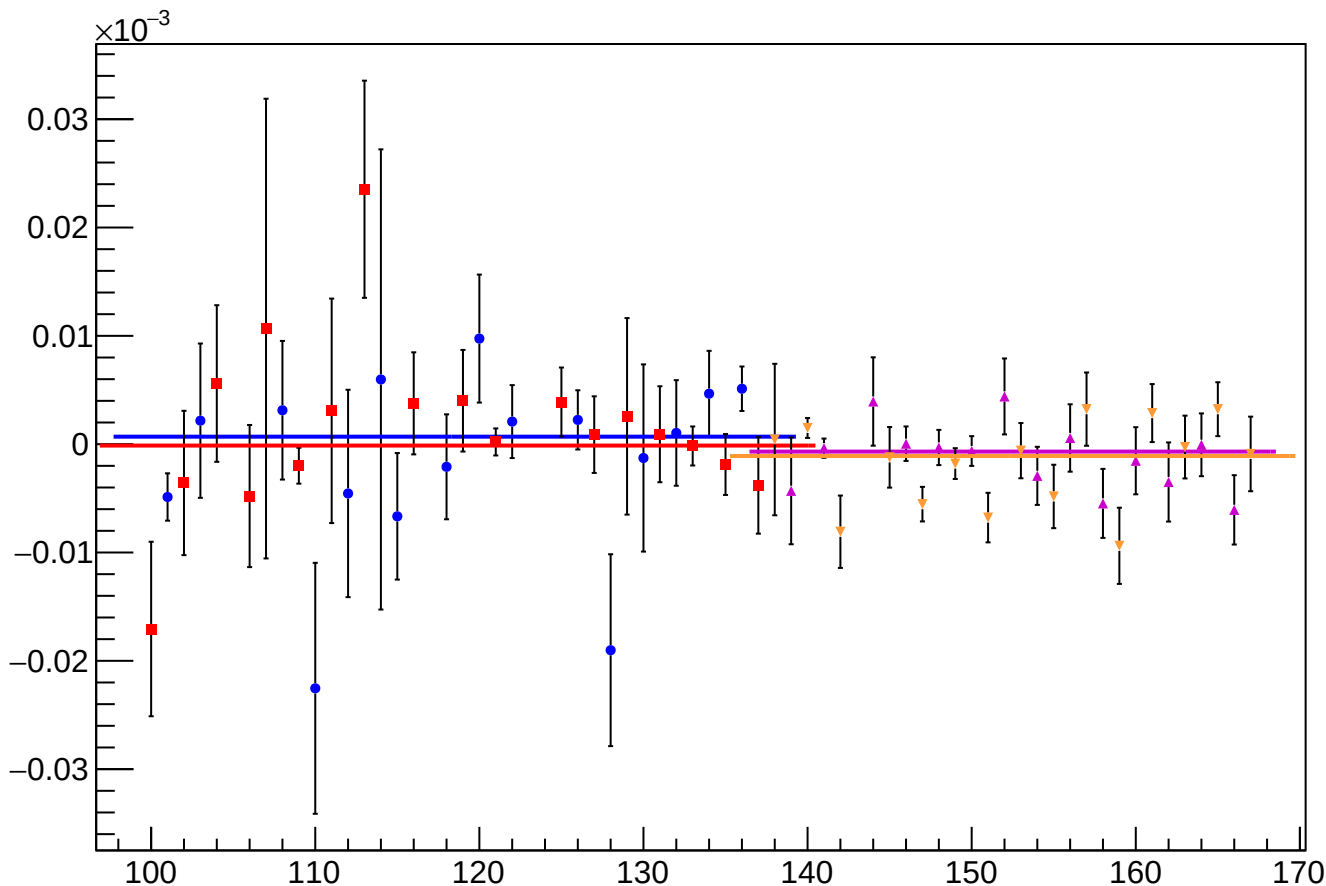
Left In: 39.653 $\pm$ 0.009 χ^2 /NDF: 394705.9/13

+ sign 39.119 $\pm$ 0.007 χ^2 /NDF: 1849472.2/30

All: 39.687 $\pm$ 0.005 χ^2 /NDF: 3715015.4/62

- sign 40.304 $\pm$ 0.007 χ^2 /NDF: 1852290.2/31

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: 40.7/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

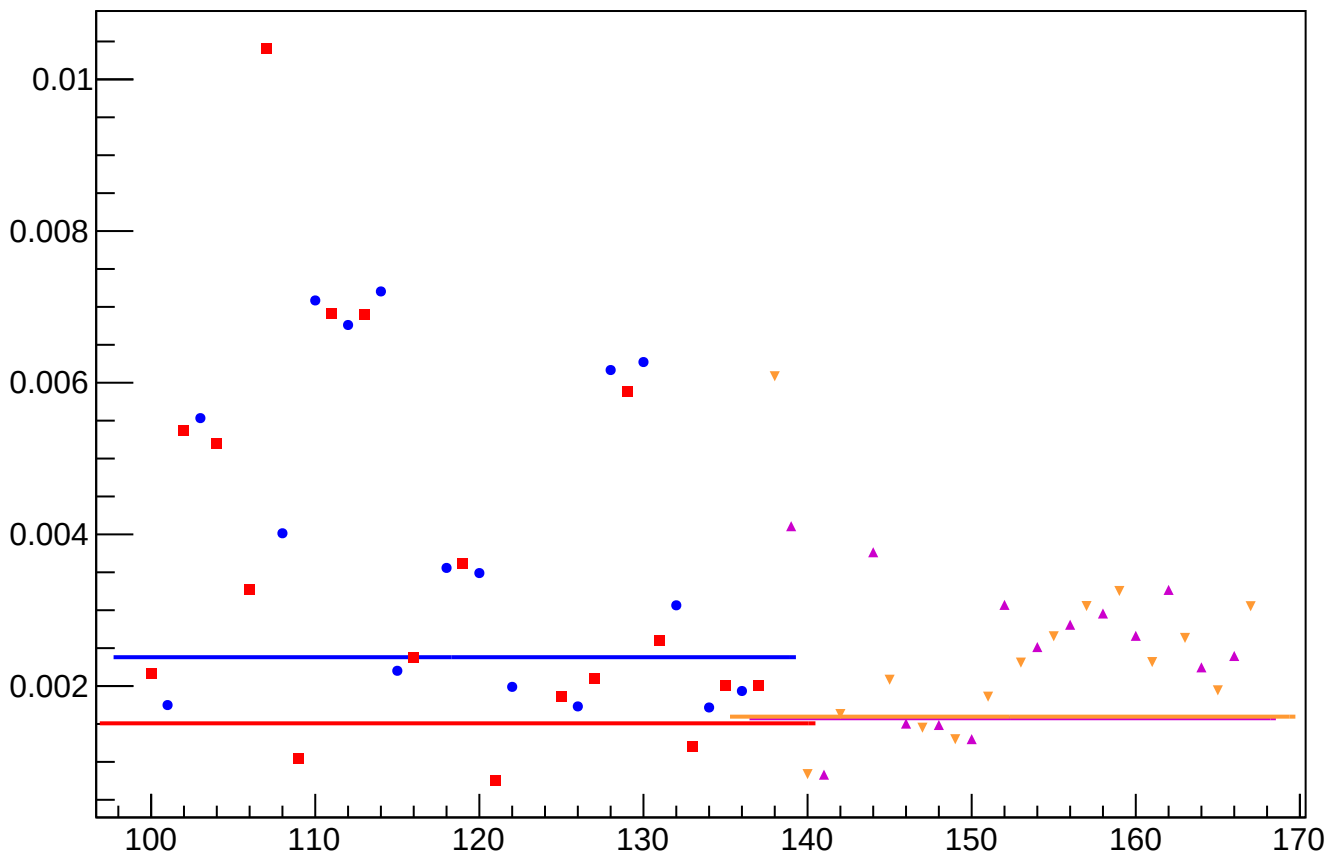
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.0/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 69.6/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 98.5/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/31

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: 0.002+/-0.000 χ^2/NDF : 4412947.4/14

Right Out: 0.002+/-0.000 χ^2/NDF : 5001667.0/17

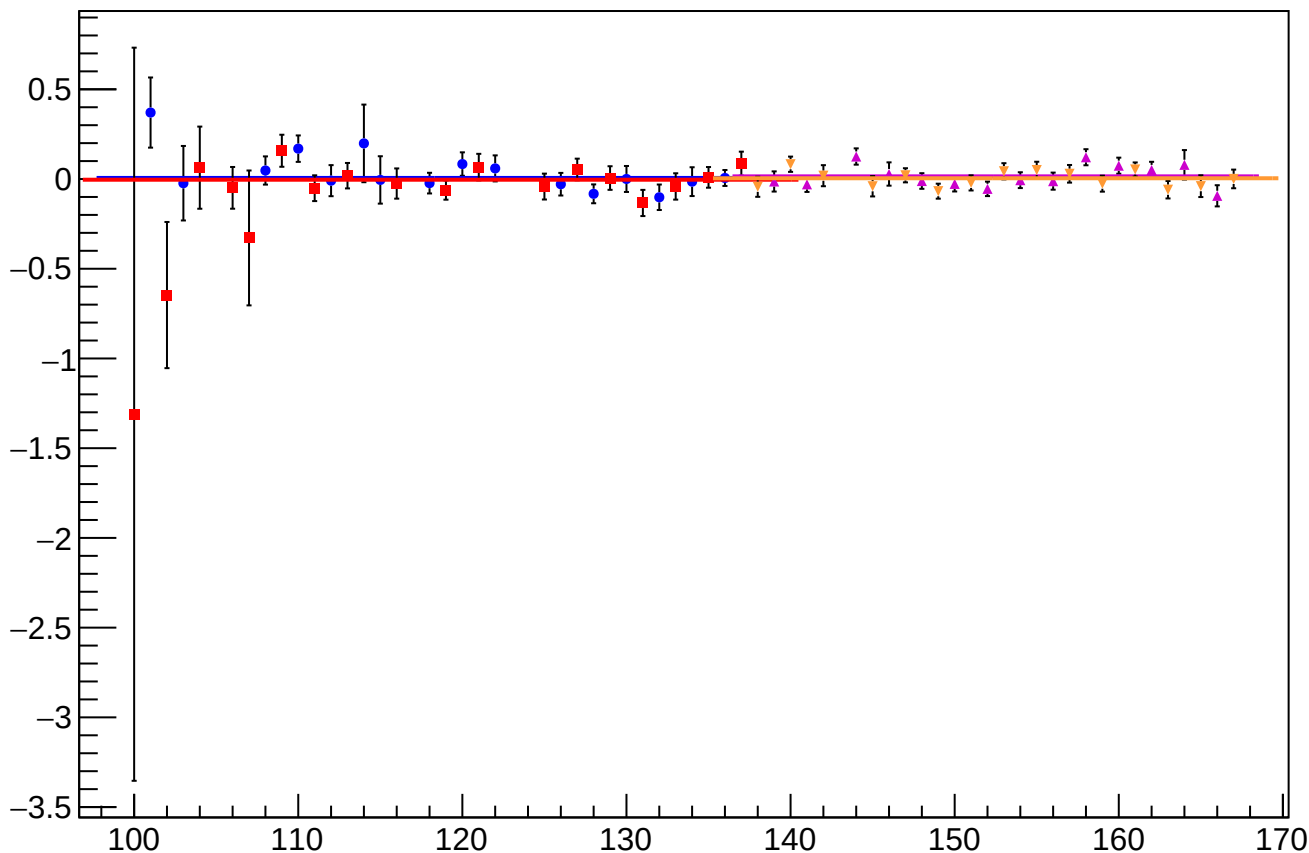
Left In: 0.002+/-0.000 χ^2/NDF : 4812693.2/13

+ sign 0.002+/-0.000 χ^2/NDF : 8173014.2/30

All: 0.002+/-0.000 χ^2/NDF : 18226239.3/62

- sign 0.002+/-0.000 χ^2/NDF : 9825484.3/31

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: 0.004 ± 0.012 χ^2/NDF : 14.5/14

Right Out: -0.004 ± 0.019 χ^2/NDF : 16.3/17

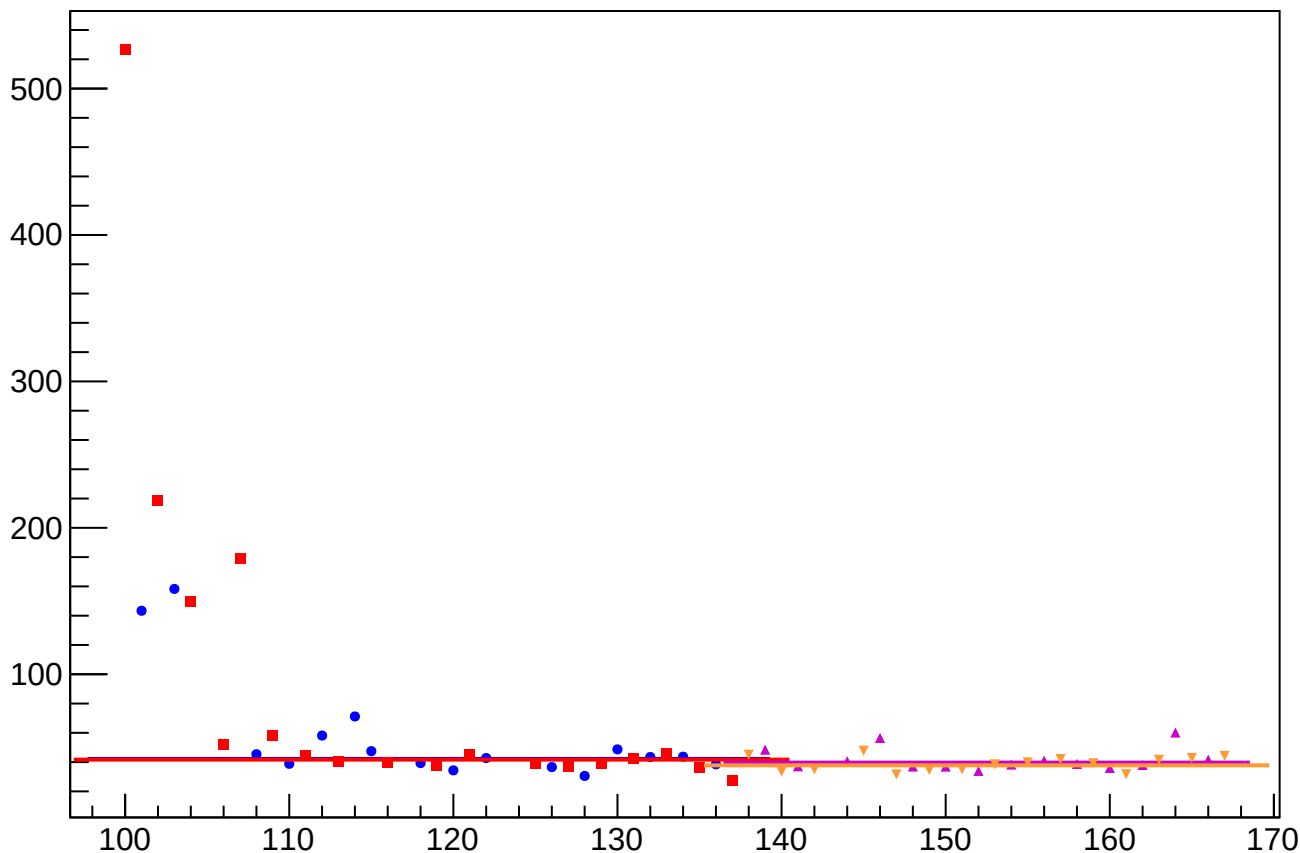
Left In: 0.015 ± 0.013 χ^2/NDF : 24.2/13

+ sign 0.005 ± 0.010 χ^2/NDF : 31.8/30

All: 0.007 ± 0.007 χ^2/NDF : 73.0/62

- sign 0.009 ± 0.011 χ^2/NDF : 41.2/31

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.163 $\pm$ 0.013 χ^2 /NDF: 1454592.8/15

Left Out: 37.783 $\pm$ 0.009 χ^2 /NDF: 314989.5/14

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441185.4/17

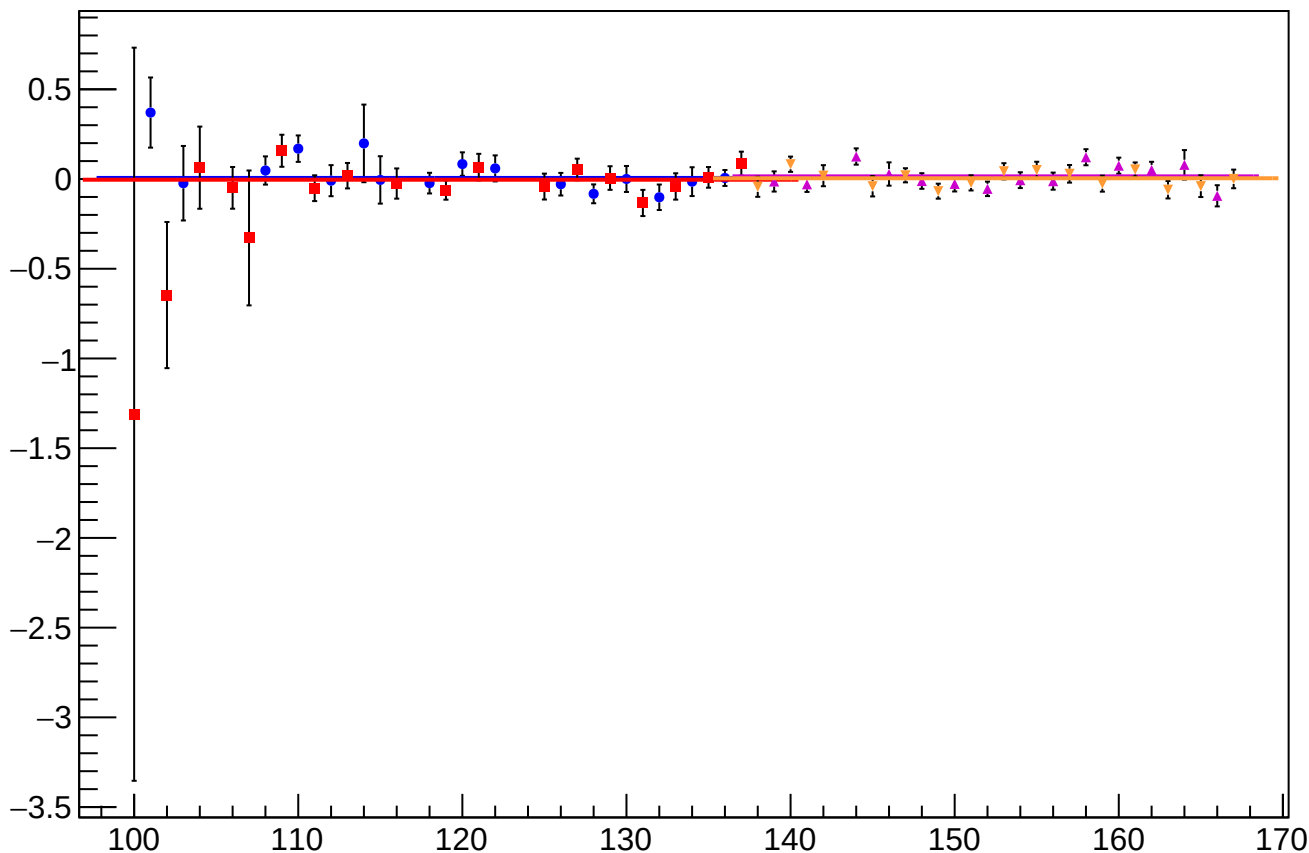
Left In: 39.653 $\pm$ 0.009 χ^2 /NDF: 394741.0/13

+ sign 39.118 $\pm$ 0.007 χ^2 /NDF: 1849582.5/30

All: 39.687 $\pm$ 0.005 χ^2 /NDF: 3715165.3/62

- sign 40.304 $\pm$ 0.007 χ^2 /NDF: 1852313.8/31

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: 0.004 ± 0.012 χ^2/NDF : 14.5/14

Right Out: -0.004 ± 0.019 χ^2/NDF : 16.3/17

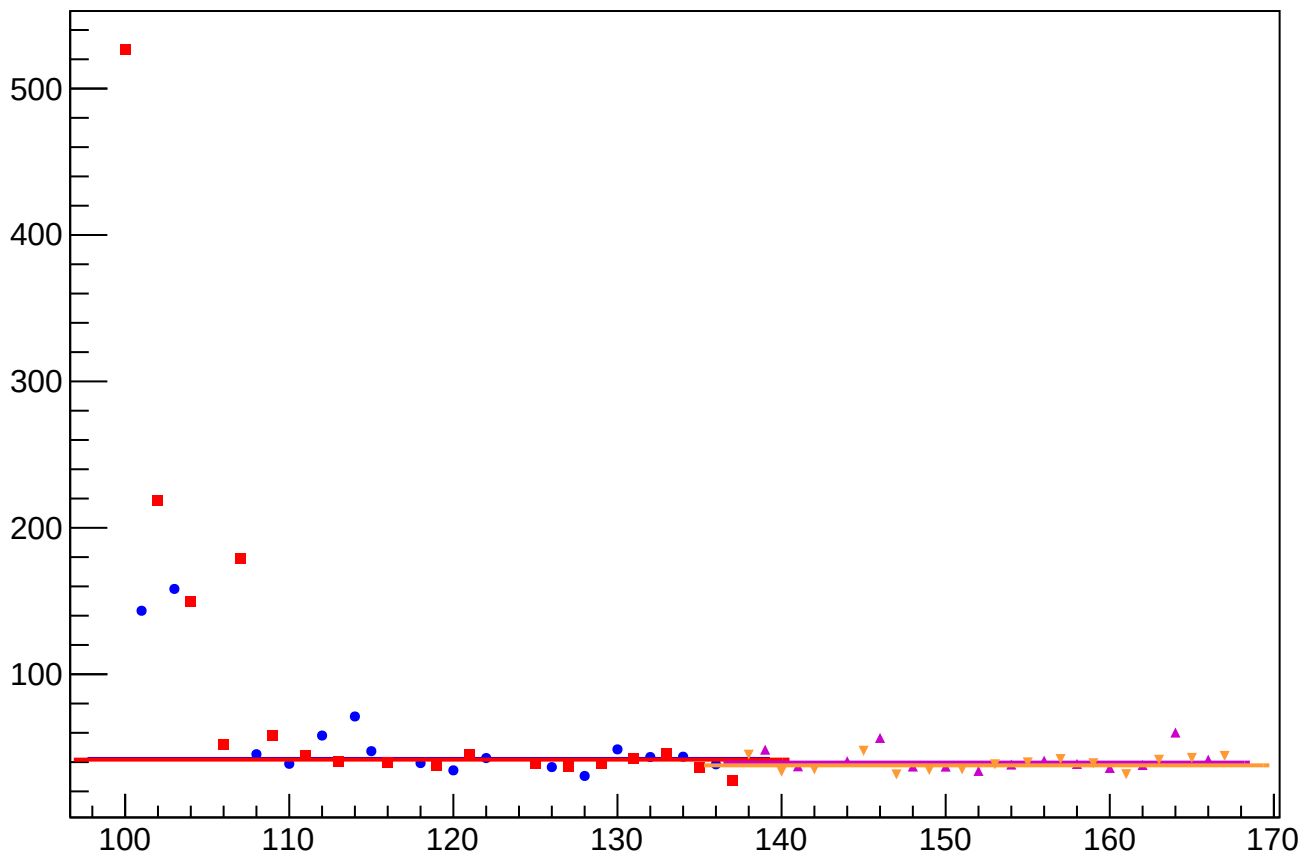
Left In: 0.015 ± 0.013 χ^2/NDF : 24.2/13

+ sign 0.005 ± 0.010 χ^2/NDF : 31.8/30

All: 0.007 ± 0.007 χ^2/NDF : 73.0/62

- sign 0.009 ± 0.011 χ^2/NDF : 41.2/31

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: 37.783 ± 0.009 χ^2/NDF : 314989.5/14

Right Out: 41.692 ± 0.013 χ^2/NDF : 1441185.4/17

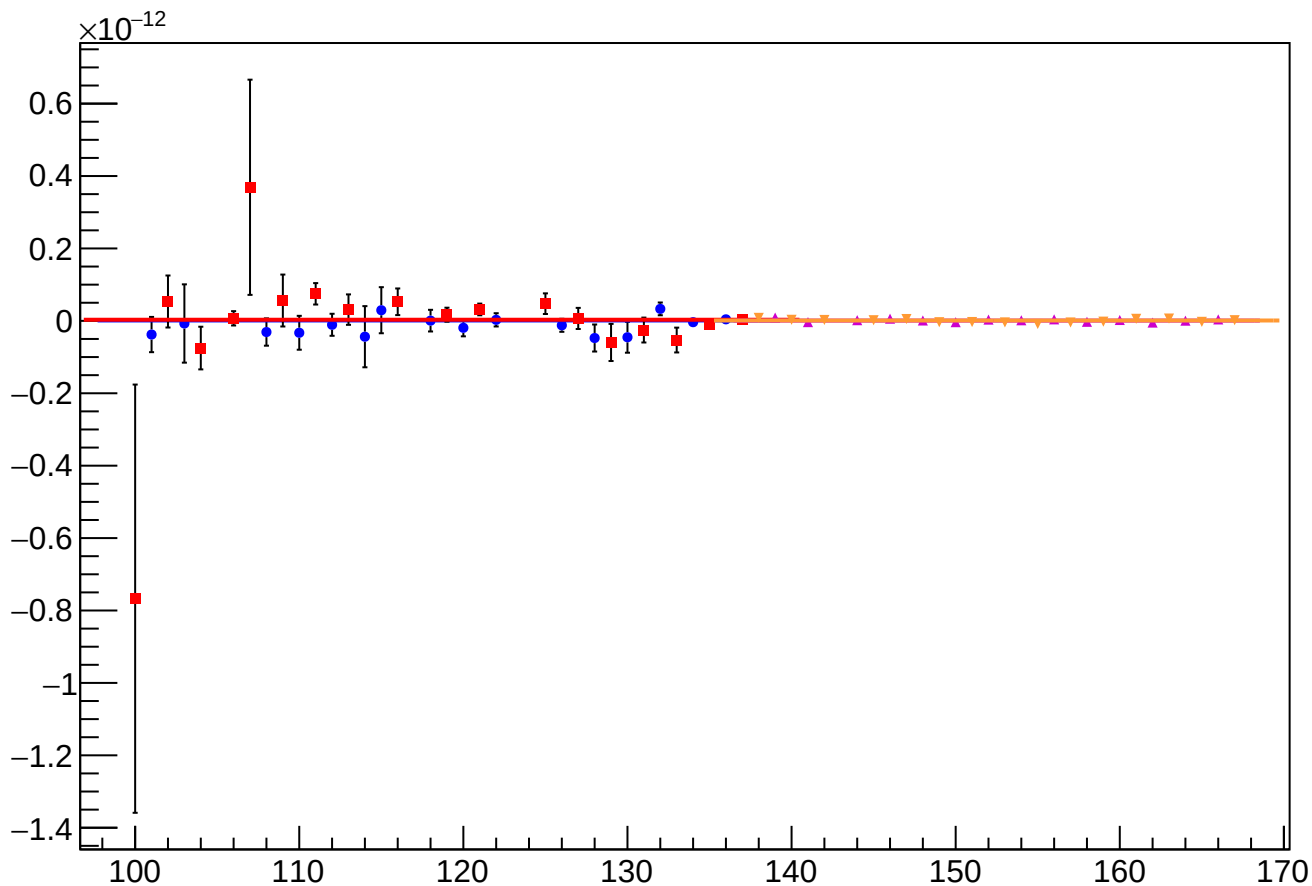
Left In: 39.653 ± 0.009 χ^2/NDF : 394741.0/13

+ sign 39.118 ± 0.007 χ^2/NDF : 1849582.5/30

All: 39.687 ± 0.005 χ^2/NDF : 3715165.3/62

- sign 40.304 ± 0.007 χ^2/NDF : 1852313.8/31

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:12.0/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/17

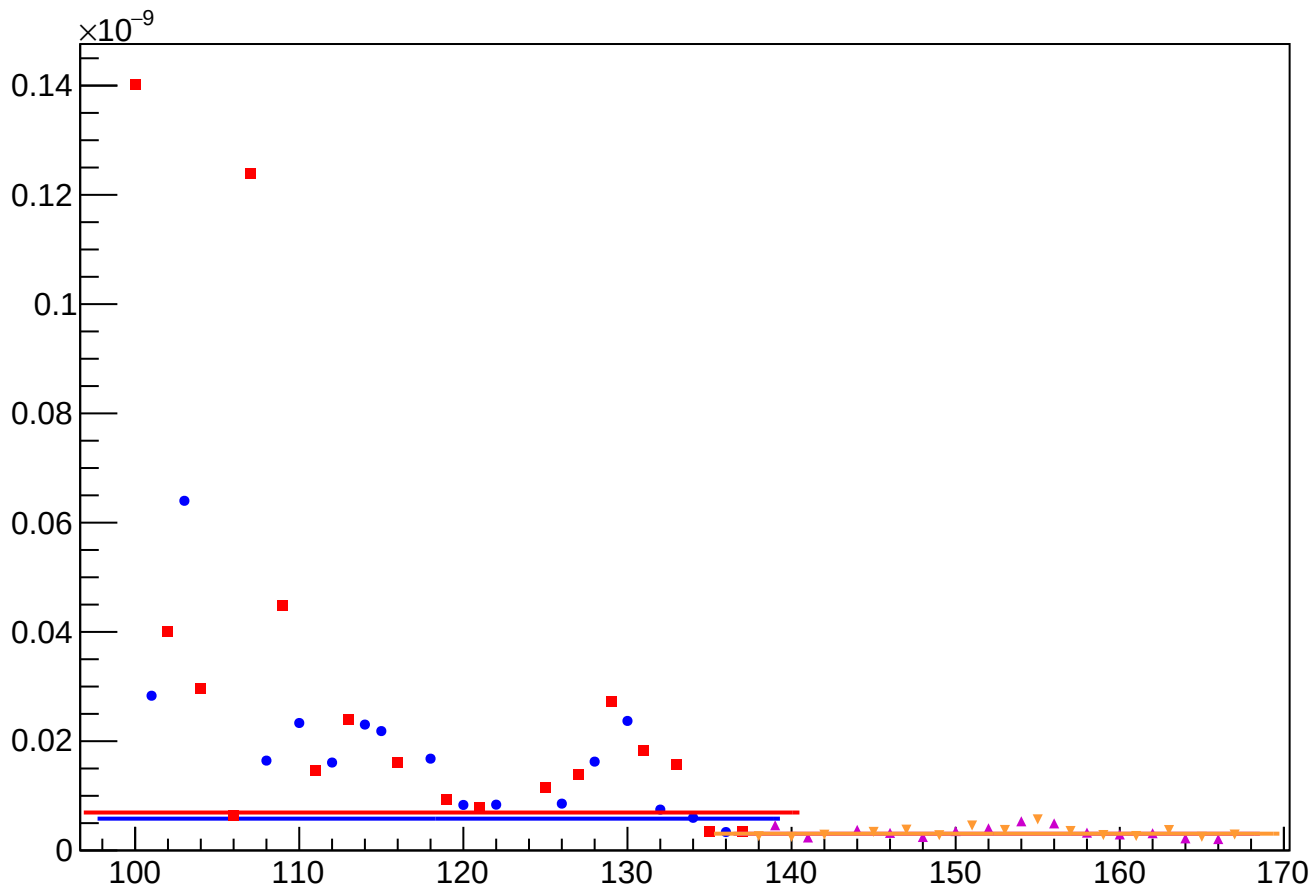
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:8.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.5/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 60.1/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.6/31

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 : 576997.6/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3789910.8/17

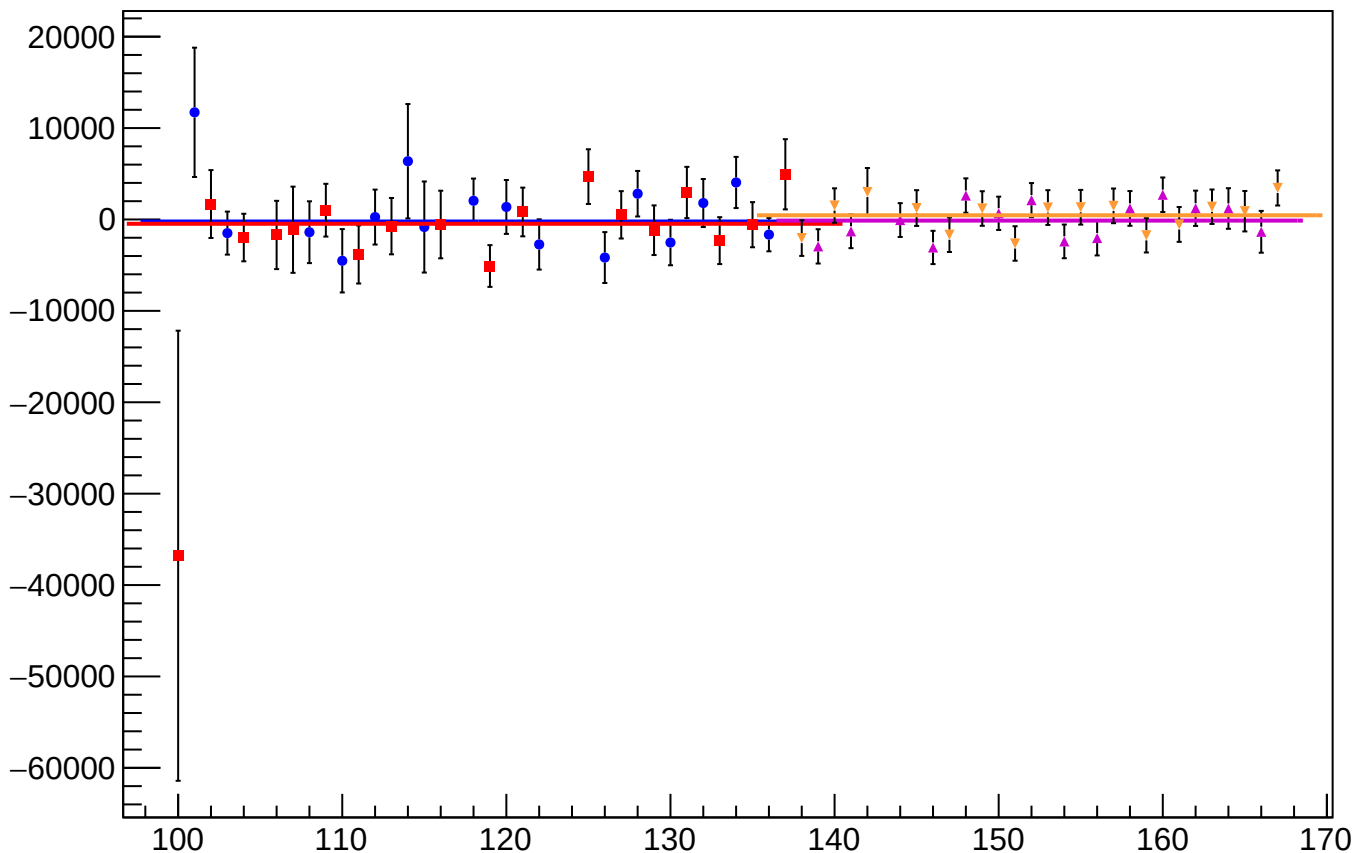
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 933053.6/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4768581.9/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10753436.5/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5984671.9/31

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980 ± 709.150 χ^2/NDF : 15.8/15

Left Out: 458.247 ± 504.006 χ^2/NDF : 12.2/14

Right Out: -472.410 ± 711.475 χ^2/NDF : 15.9/17

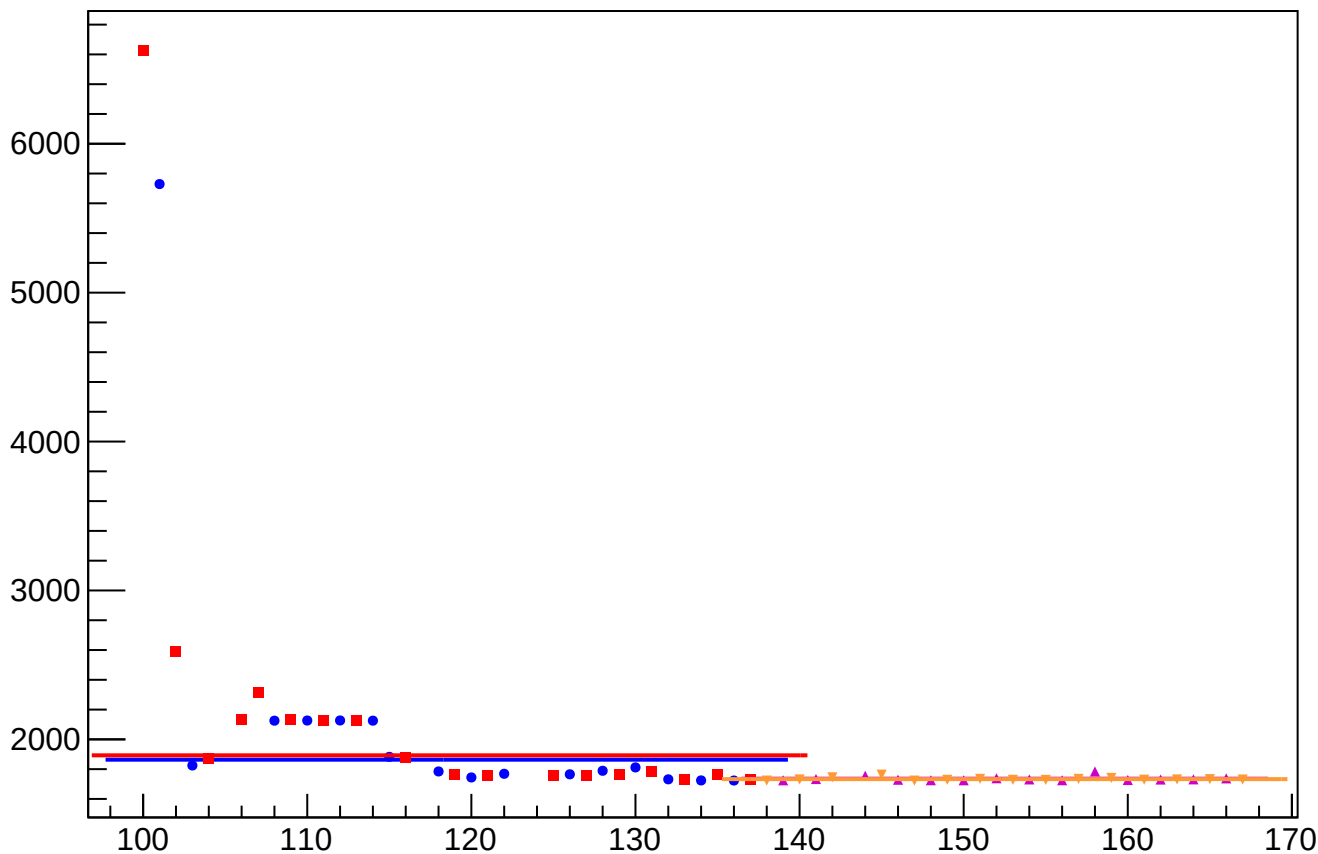
Left In: -123.903 ± 510.808 χ^2/NDF : 15.4/13

+ sign 229.626 ± 410.819 χ^2/NDF : 28.6/30

All: -4.052 ± 291.939 χ^2/NDF : 60.7/62

- sign -242.442 ± 414.940 χ^2/NDF : 31.4/31

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581 $\pm$ 0.501 χ^2 /NDF: 674665.6/15

Left Out: 1733.035 $\pm$ 0.356 χ^2 /NDF: 718.1/14

Right Out: 1892.866 $\pm$ 0.503 χ^2 /NDF: 251512.9/17

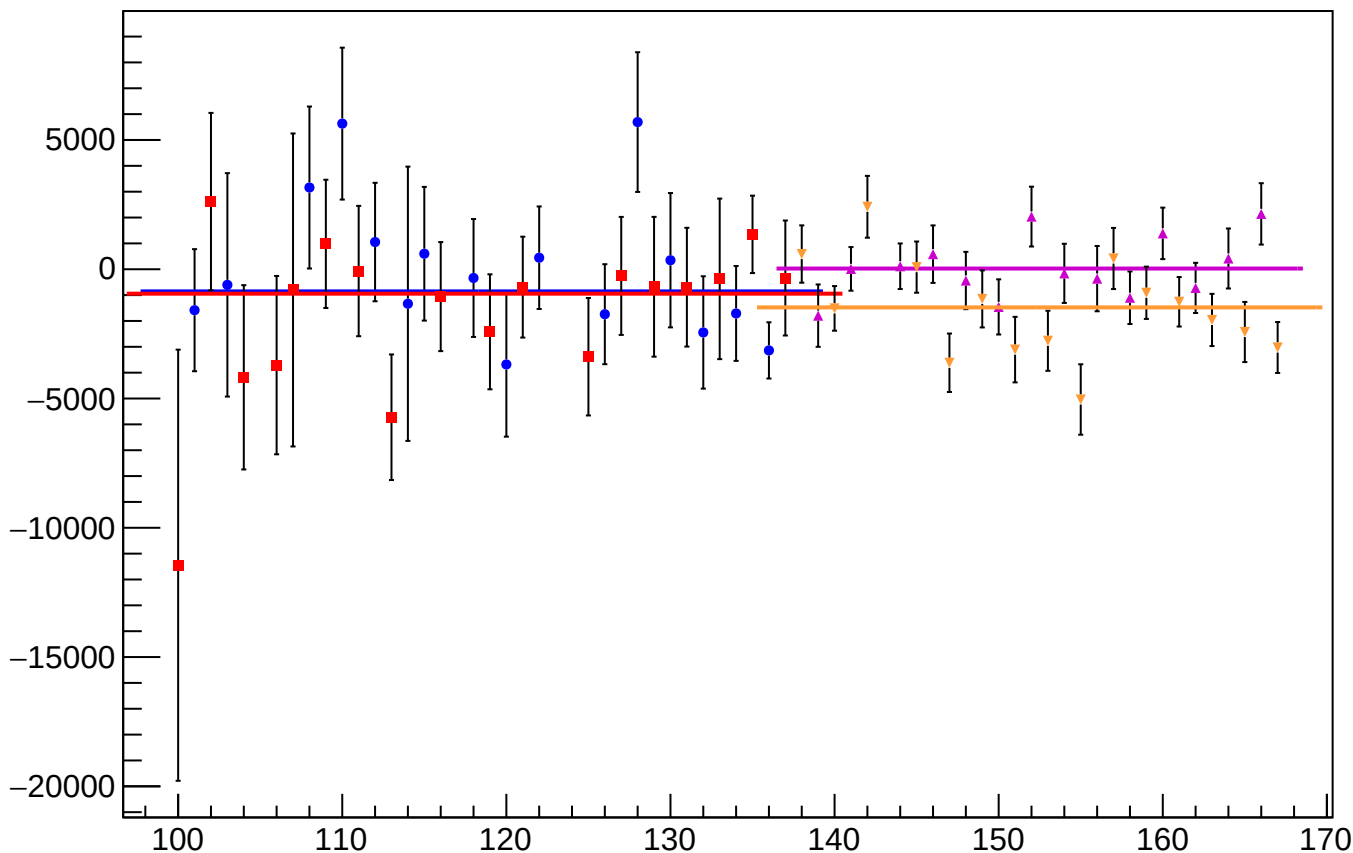
Left In: 1735.793 $\pm$ 0.361 χ^2 /NDF: 1909.6/13

+ sign 1776.846 $\pm$ 0.290 χ^2 /NDF: 720414.0/30

All: 1782.971 $\pm$ 0.206 χ^2 /NDF: 1039058.1/62

- sign 1789.219 $\pm$ 0.293 χ^2 /NDF: 317746.1/31

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



Right In: -857.294 $\pm$ 549.791 χ^2/NDF : 20.6/15

Left Out: -1475.249 $\pm$ 278.255 χ^2/NDF : 36.2/14

Right Out: -944.718 $\pm$ 583.967 χ^2/NDF : 12.9/17

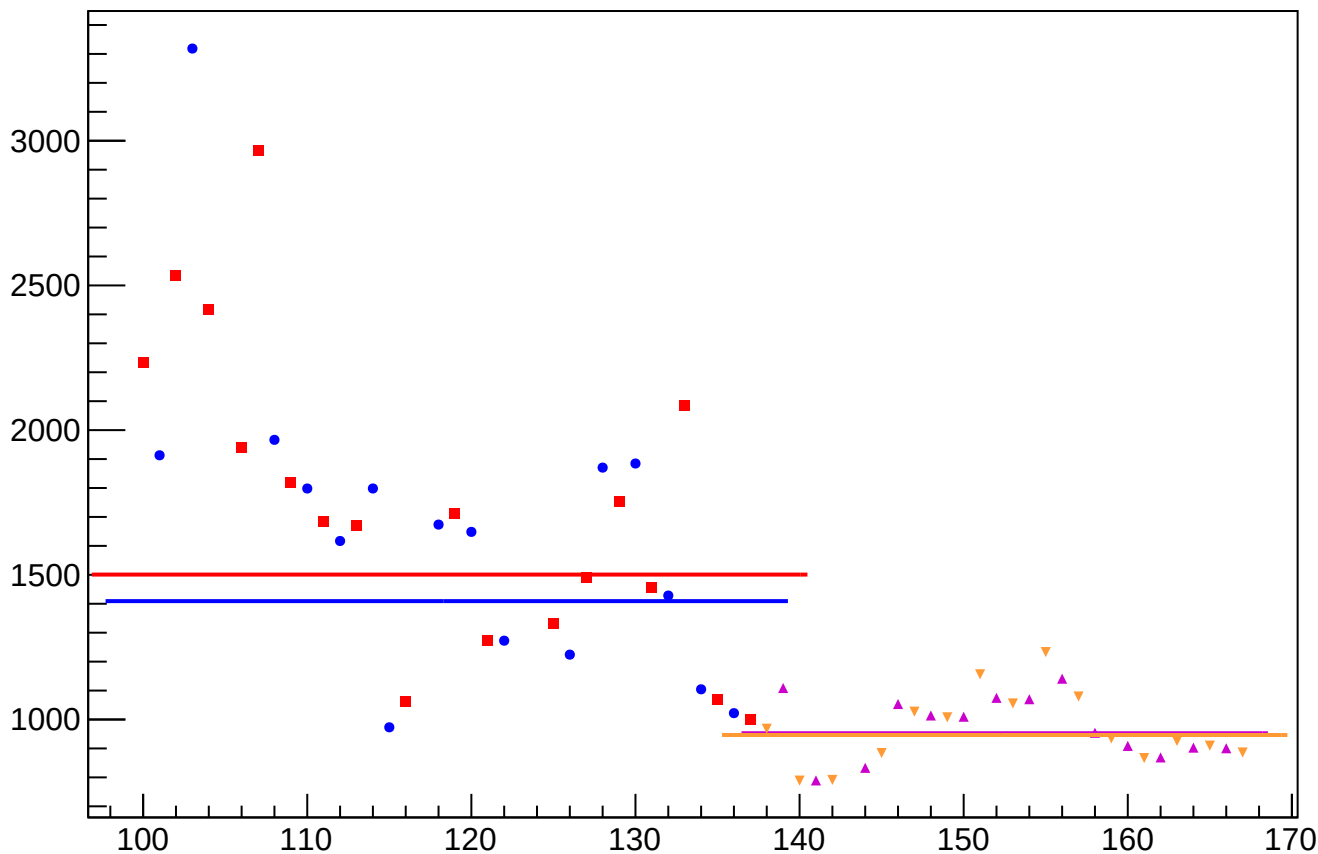
Left In: 27.210 $\pm$ 282.751 χ^2/NDF : 14.8/13

+ sign -1349.239 $\pm$ 248.269 χ^2/NDF : 57.9/30

All: -768.052 $\pm$ 177.711 χ^2/NDF : 99.0/62

- sign -157.375 $\pm$ 254.489 χ^2/NDF : 29.9/31

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096 $\pm$ 0.389 χ^2 /NDF: 1167706.6/15

Left Out: 946.431 $\pm$ 0.197 χ^2 /NDF: 336231.2/14

Right Out: 1500.801 $\pm$ 0.413 χ^2 /NDF: 1030768.2/17

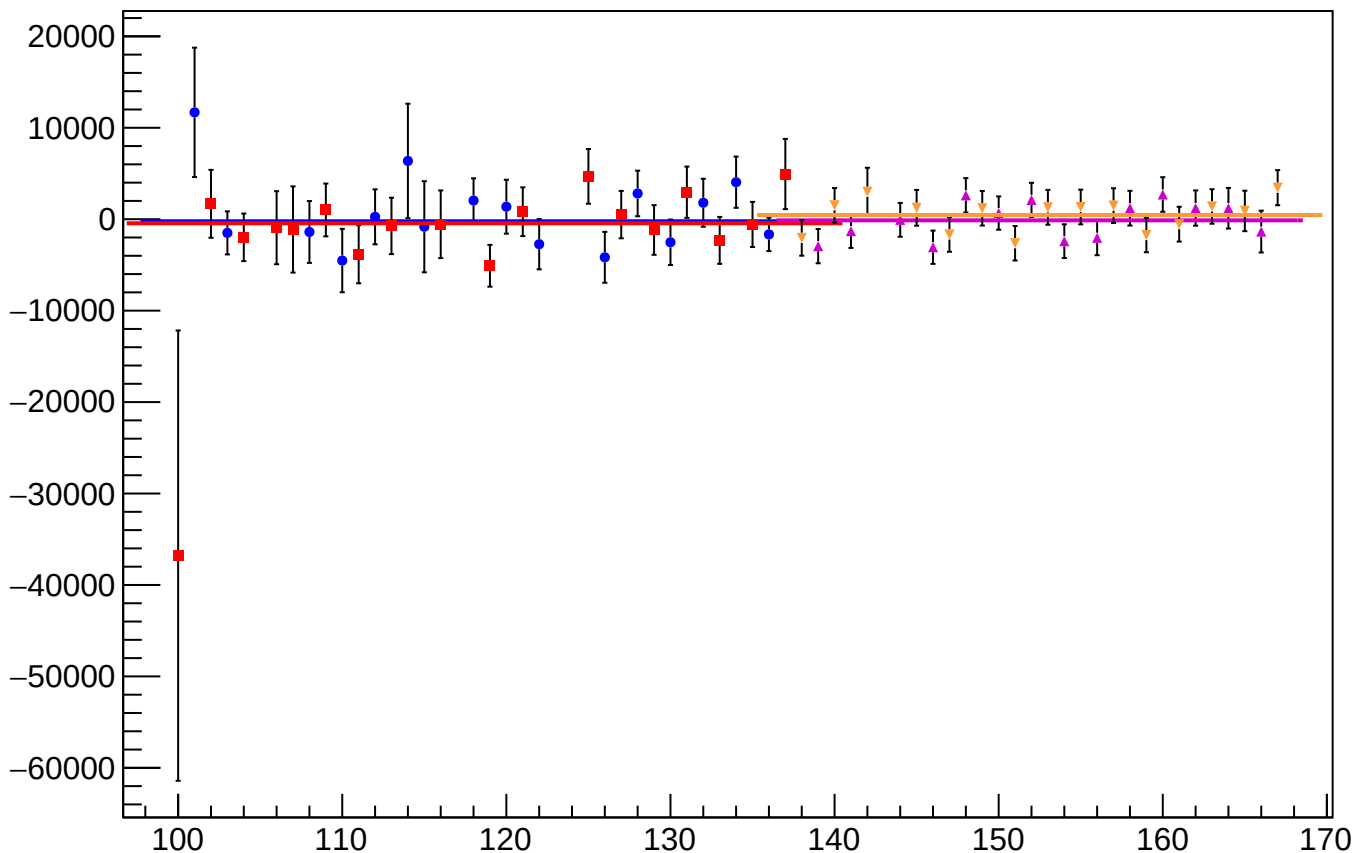
Left In: 952.640 $\pm$ 0.200 χ^2 /NDF: 287636.5/13

+ sign 1040.775 $\pm$ 0.176 χ^2 /NDF: 2631464.5/30

All: 1048.563 $\pm$ 0.126 χ^2 /NDF: 5381477.3/62

- sign 1056.745 $\pm$ 0.180 χ^2 /NDF: 2745977.6/31

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754 ± 709.151 χ^2/NDF : 15.8/15

Left Out: 458.324 ± 504.006 χ^2/NDF : 12.2/14

Right Out: -443.022 ± 713.098 χ^2/NDF : 15.8/17

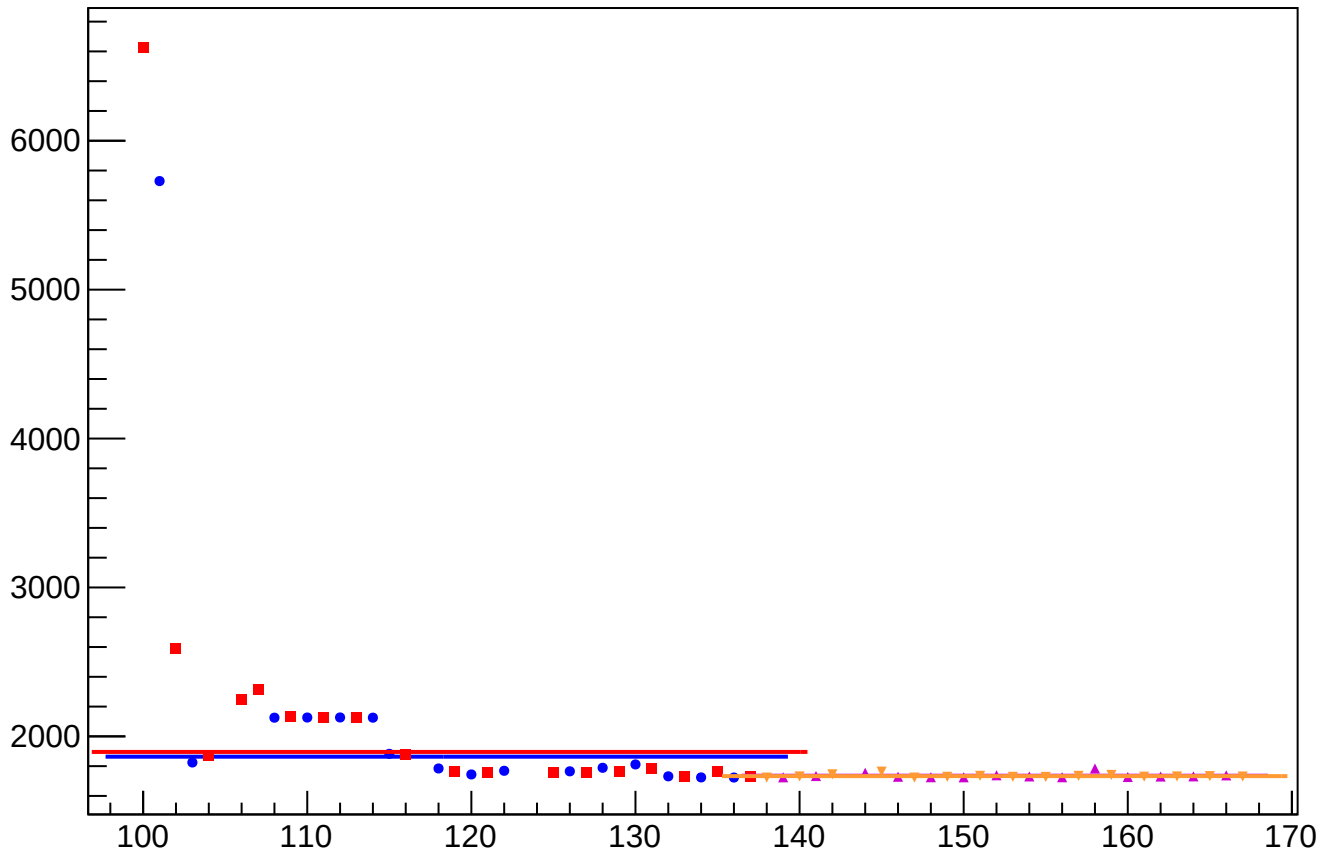
Left In: -123.930 ± 510.808 χ^2/NDF : 15.4/13

+ sign 229.418 ± 410.819 χ^2/NDF : 28.6/30

All: 1.122 ± 292.051 χ^2/NDF : 60.6/62

- sign -232.138 ± 415.261 χ^2/NDF : 31.3/31

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: 1733.035 $\pm$ 0.356 χ^2 /NDF: 718.1/14

Right Out: 1895.491 $\pm$ 0.504 χ^2 /NDF: 259171.7/17

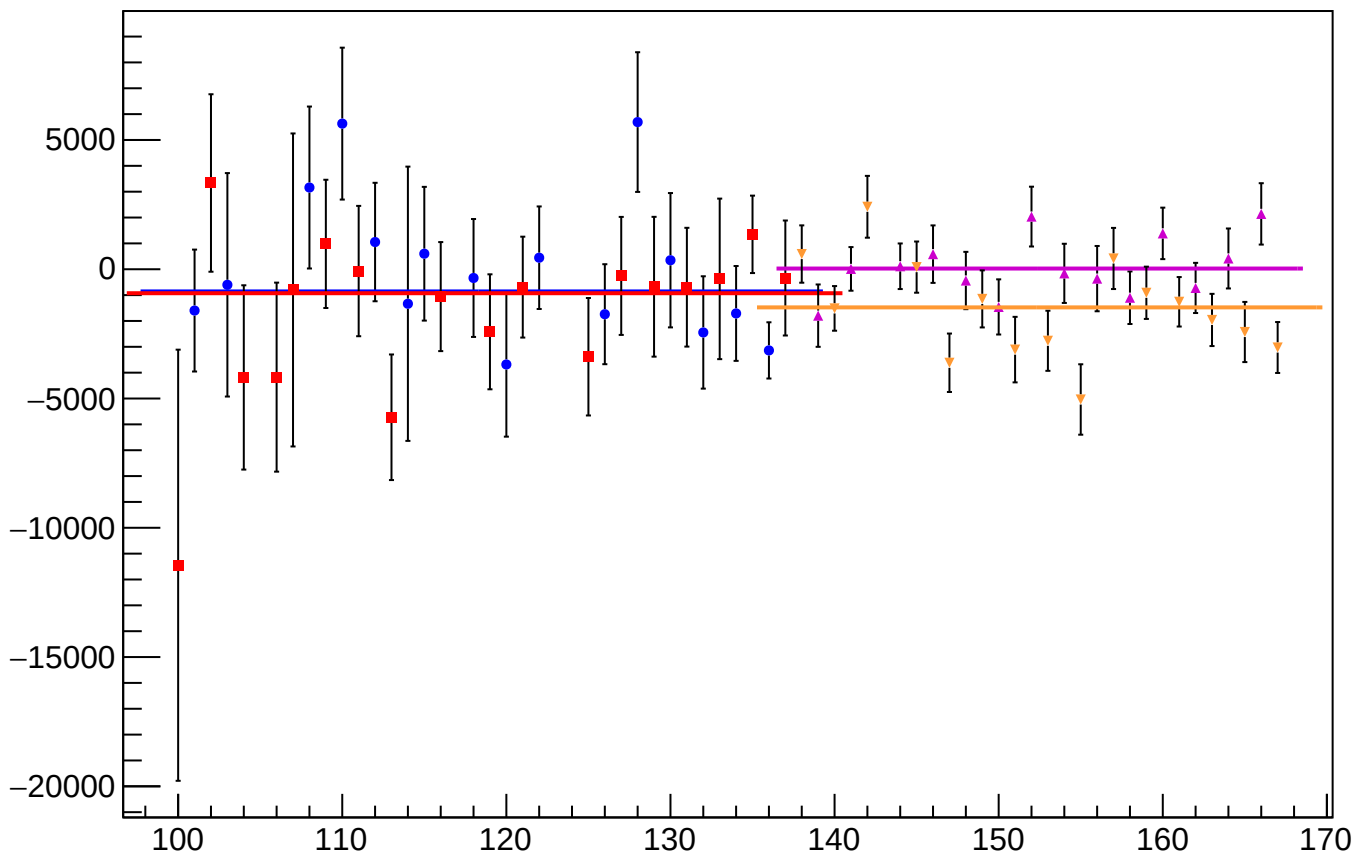
Left In: 1735.793 $\pm$ 0.361 χ^2 /NDF: 1909.6/13

+ sign 1776.846 $\pm$ 0.290 χ^2 /NDF: 720413.9/30

All: 1783.327 $\pm$ 0.207 χ^2 /NDF: 1048793.7/62

- sign 1789.949 $\pm$ 0.294 χ^2 /NDF: 327373.6/31

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



Right In: -858.115 $\pm$ 549.748 χ^2/NDF : 20.6/15

Left Out: -1475.246 $\pm$ 278.255 χ^2/NDF : 36.2/14

Right Out: -927.191 $\pm$ 584.886 χ^2/NDF : 13.5/17

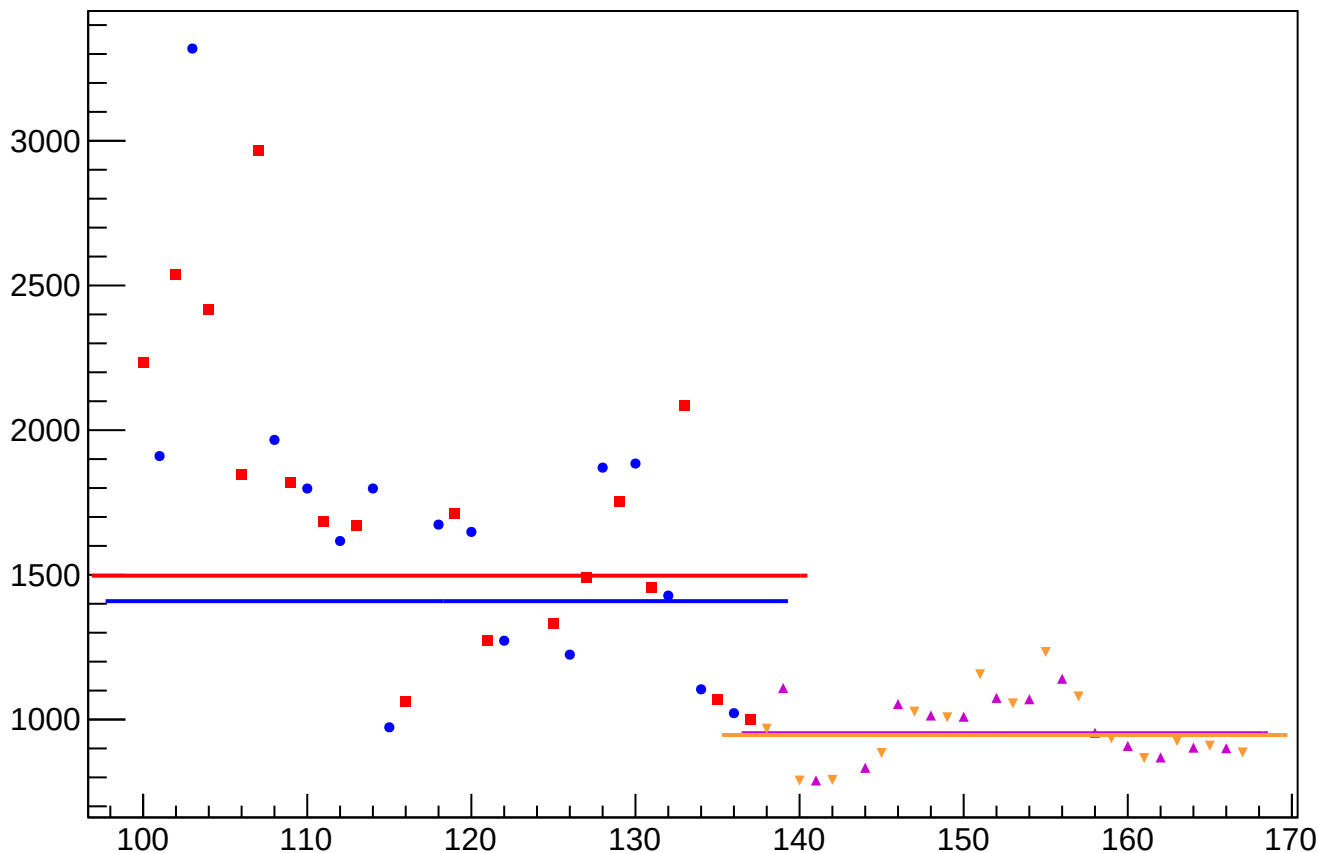
Left In: 27.181 $\pm$ 282.750 χ^2/NDF : 14.8/13

+ sign -1349.388 $\pm$ 248.265 χ^2/NDF : 57.9/30

All: -766.475 $\pm$ 177.735 χ^2/NDF : 99.6/62

- sign -153.607 $\pm$ 254.564 χ^2/NDF : 30.5/31

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018 $\pm$ 0.389 χ^2 /NDF: 1167065.5/15

Left Out: 946.433 $\pm$ 0.197 χ^2 /NDF: 336195.9/14

Right Out: 1497.149 $\pm$ 0.414 χ^2 /NDF: 1018123.6/17

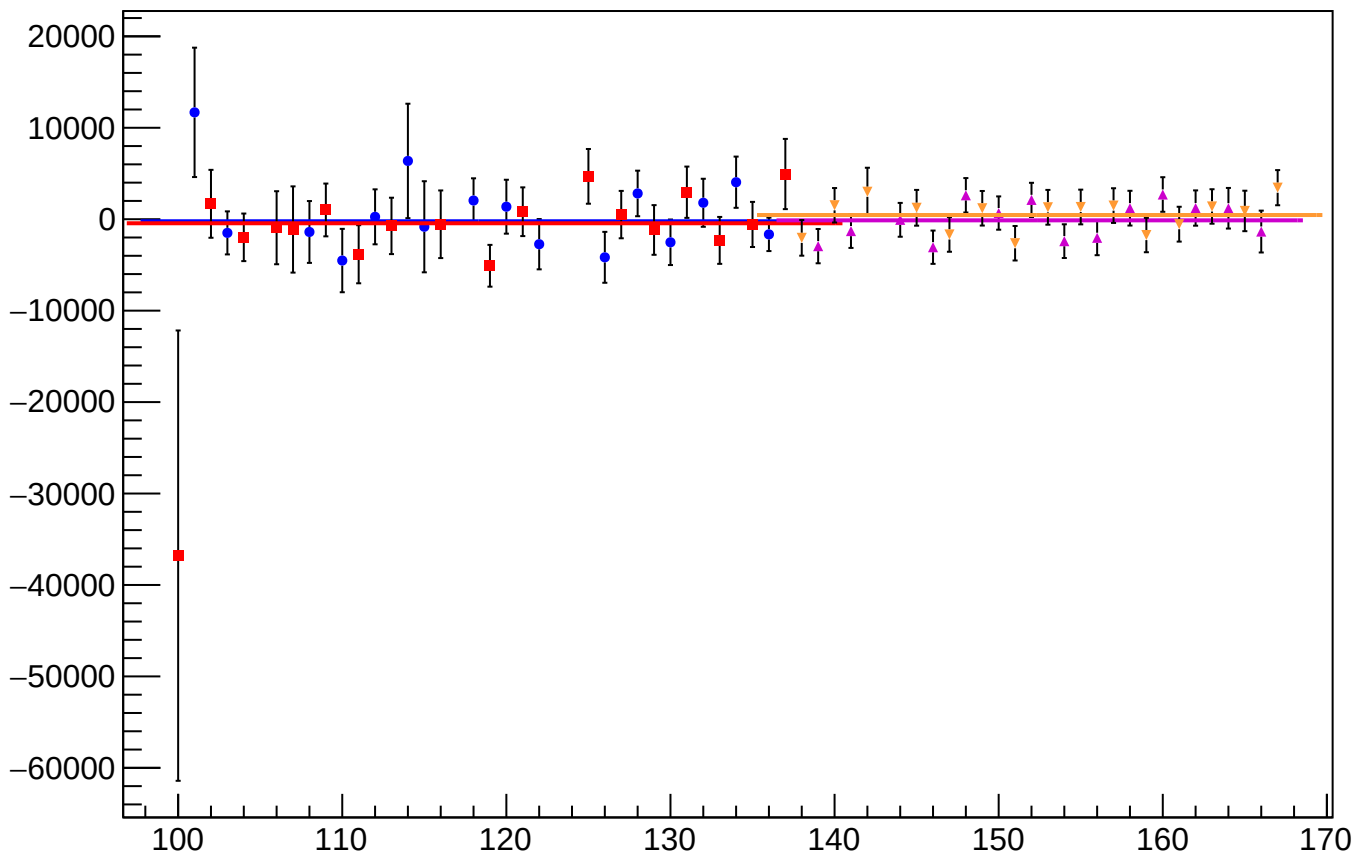
Left In: 952.636 $\pm$ 0.200 χ^2 /NDF: 287652.4/13

+ sign 1040.773 $\pm$ 0.176 χ^2 /NDF: 2630540.7/30

All: 1048.090 $\pm$ 0.126 χ^2 /NDF: 5344935.8/62

- sign 1055.784 $\pm$ 0.180 χ^2 /NDF: 2710831.0/31

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: 458.324 $\pm$ 504.006 χ^2 /NDF:12.2/14

Right Out: -443.022 $\pm$ 713.098 χ^2 /NDF: 15.8/17

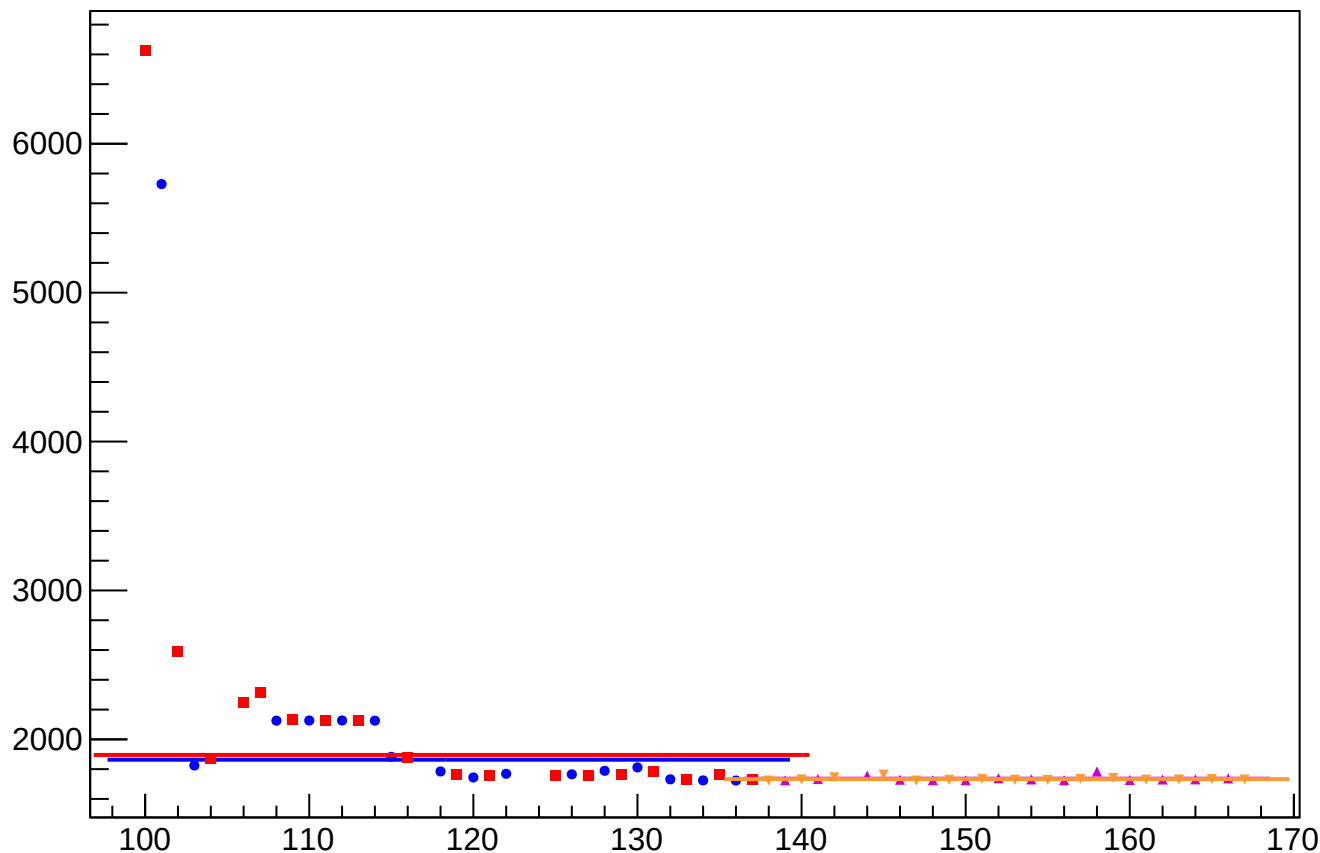
Left In: -123.930 $\pm$ 510.808 χ^2 /NDF:15.4/13

+ sign 229.418 $\pm$ 410.819 χ^2 /NDF: 28.6/30

All: 1.122 $\pm$ 292.051 χ^2 /NDF: 60.6/62

- sign -232.138 $\pm$ 415.261 χ^2 /NDF: 31.3/31

eigen_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: 1733.035 $\pm$ 0.356 χ^2 /NDF: 718.1/14

Right Out: 1895.491 $\pm$ 0.504 χ^2 /NDF: 259171.7/17

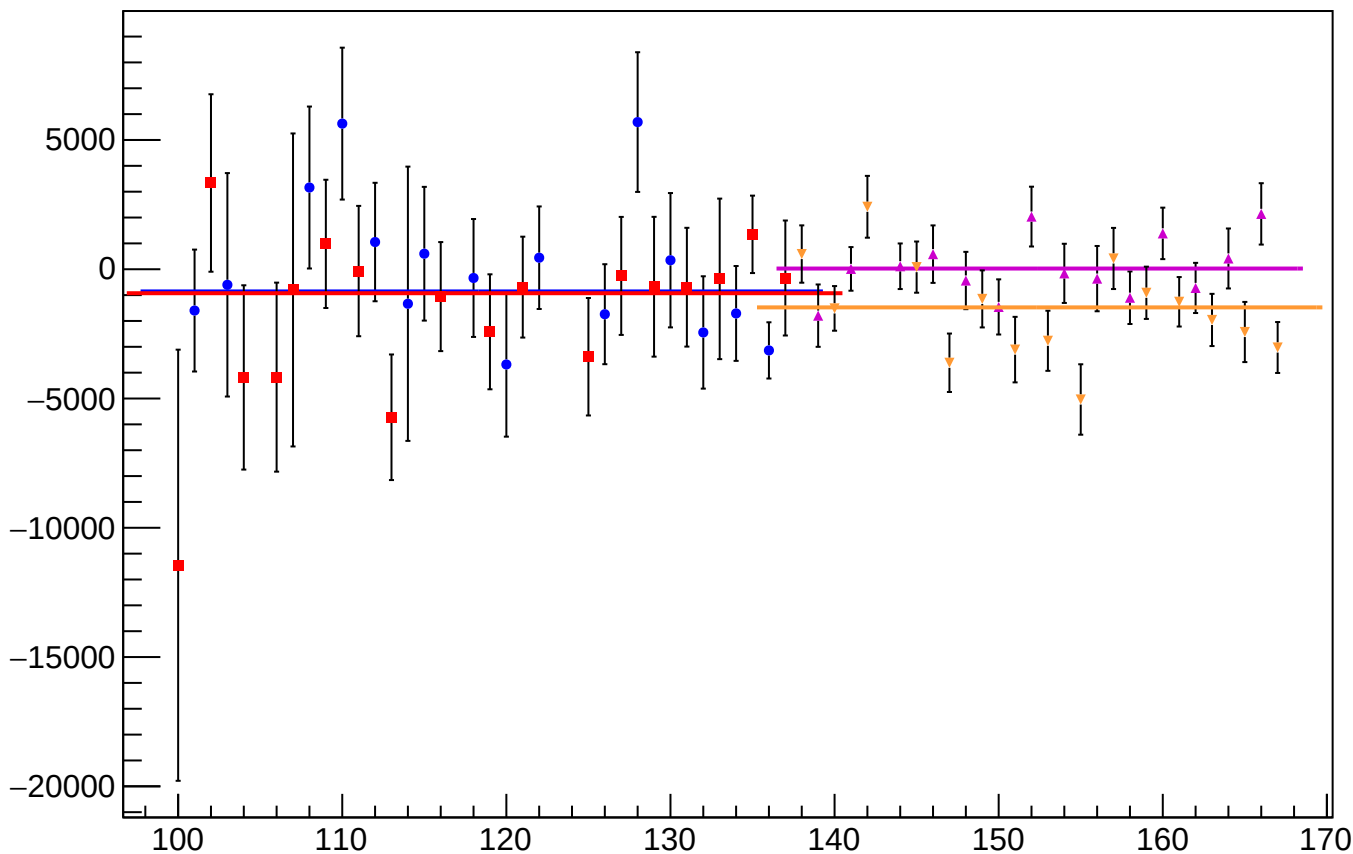
Left In: 1735.793 $\pm$ 0.361 χ^2 /NDF: 1909.6/13

+ sign 1776.846 $\pm$ 0.290 χ^2 /NDF: 720413.9/30

All: 1783.327 $\pm$ 0.207 χ^2 /NDF: 1048793.7/62

- sign 1789.949 $\pm$ 0.294 χ^2 /NDF: 327373.6/31

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -858.115 $\pm$ 549.748 χ^2 /NDF: 20.6/15

Left Out: -1475.246 $\pm$ 278.255 χ^2 /NDF:36.2/14

Right Out: -927.191 $\pm$ 584.886 χ^2 /NDF: 13.5/17

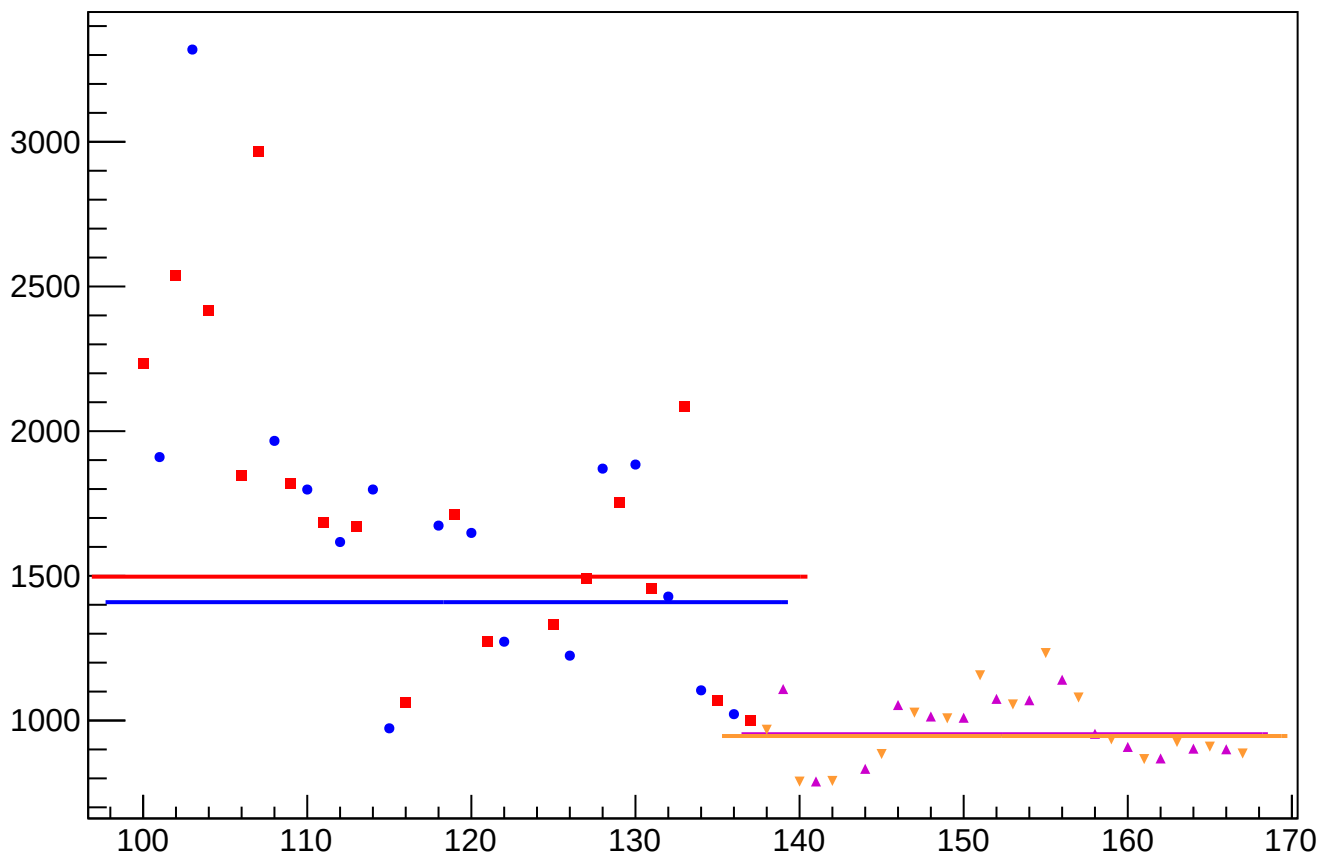
Left In: 27.181 $\pm$ 282.750 χ^2 /NDF:14.8/13

+ sign -1349.388 $\pm$ 248.265 χ^2 /NDF: 57.9/30

All: -766.475 $\pm$ 177.735 χ^2 /NDF: 99.6/62

- sign -153.607 $\pm$ 254.564 χ^2 /NDF: 30.5/31

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1409.018 $\pm$ 0.389 χ^2 /NDF: 1167065.5/15

Left Out: 946.433 $\pm$ 0.197 χ^2 /NDF: 336195.9/14

Right Out: 1497.149 $\pm$ 0.414 χ^2 /NDF: 1018123.6/17

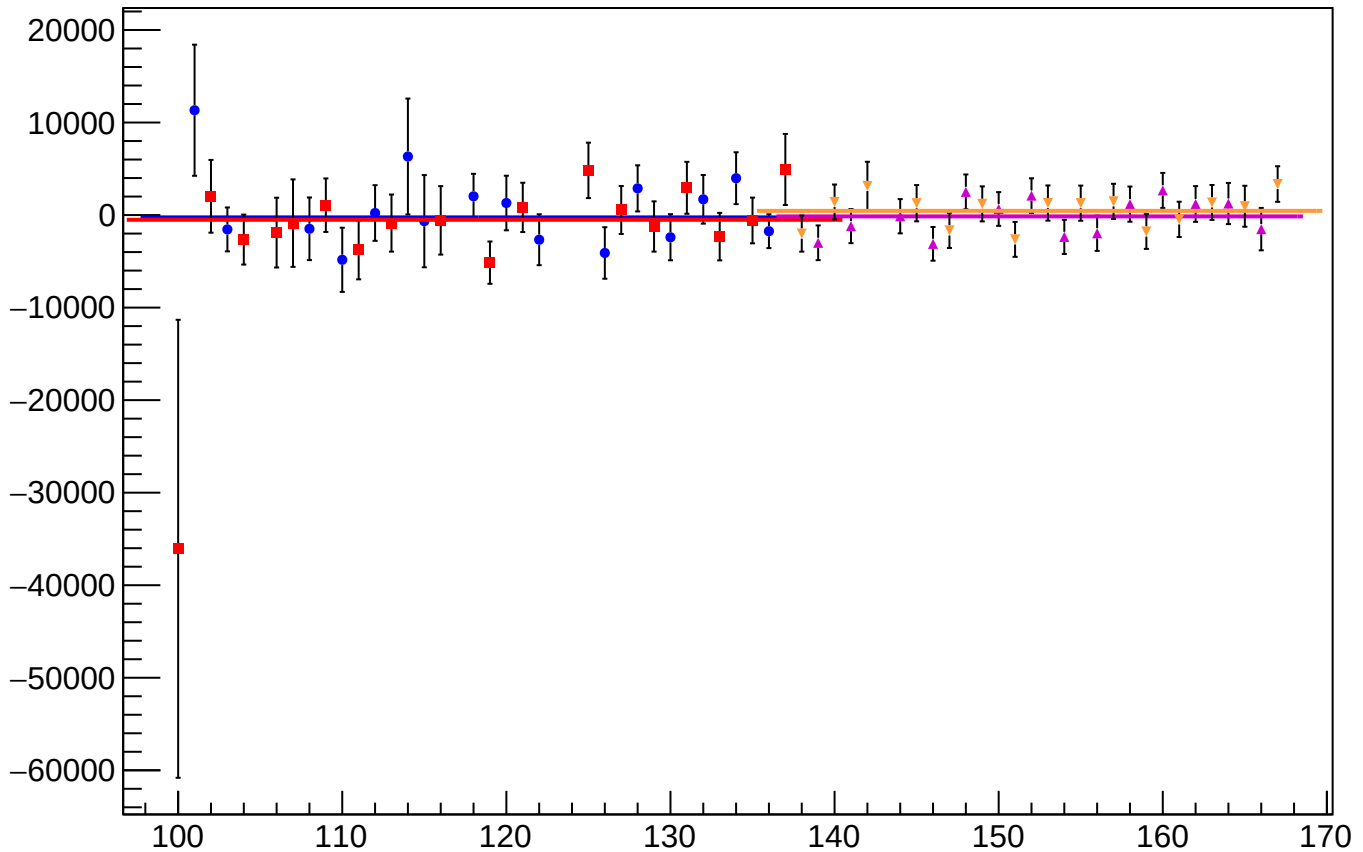
Left In: 952.636 $\pm$ 0.200 χ^2 /NDF: 287652.4/13

+ sign 1040.773 $\pm$ 0.176 χ^2 /NDF: 2630540.7/30

All: 1048.090 $\pm$ 0.126 χ^2 /NDF: 5344935.8/62

- sign 1055.784 $\pm$ 0.180 χ^2 /NDF: 2710831.0/31

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024 ± 709.973 χ^2/NDF : 15.6/15

Left Out: 454.564 ± 504.214 χ^2/NDF : 12.0/14

Right Out: -510.117 ± 715.442 χ^2/NDF : 16.4/17

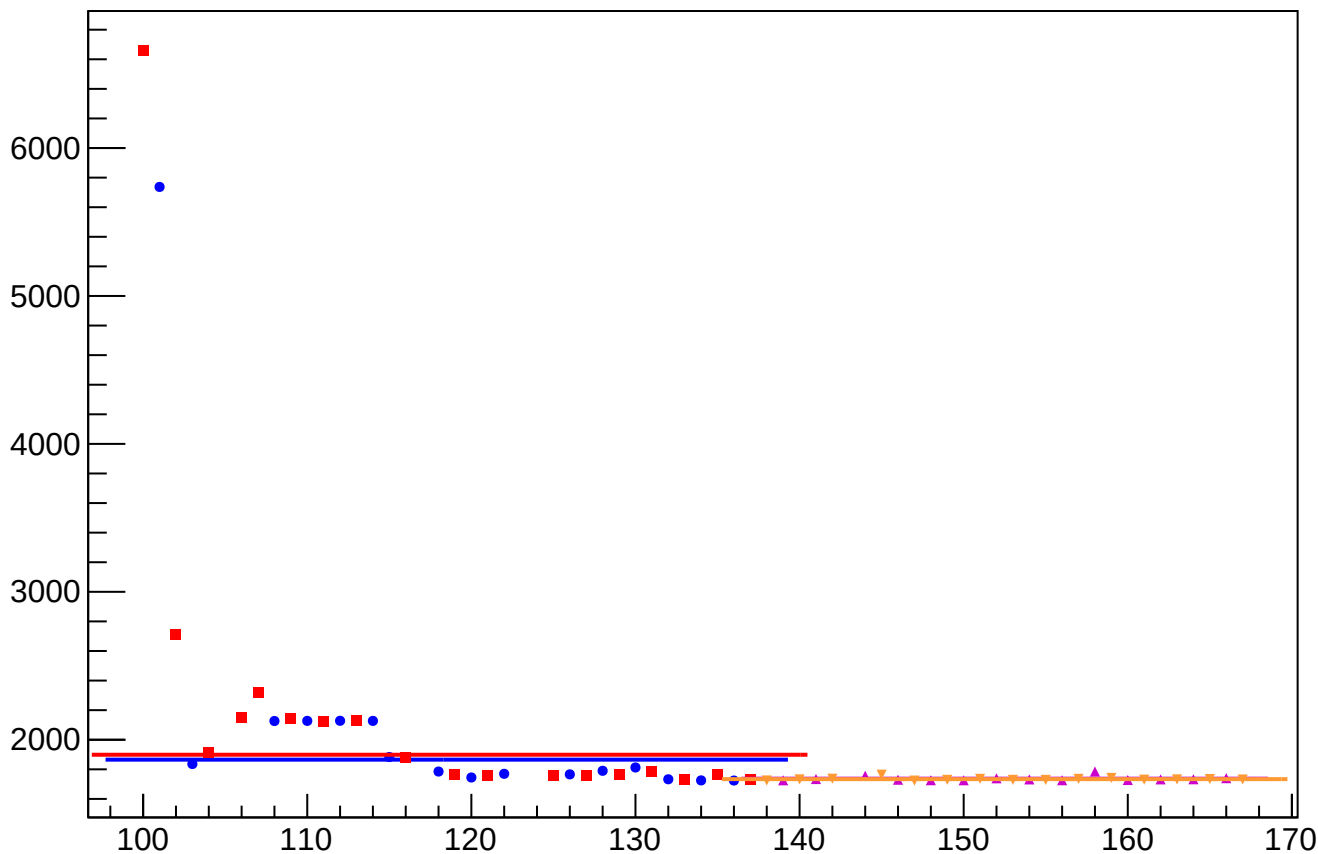
Left In: -143.032 ± 511.100 χ^2/NDF : 15.2/13

+ sign 217.667 ± 411.091 χ^2/NDF : 28.3/30

All: -21.894 ± 292.364 χ^2/NDF : 60.8/62

- sign -267.070 ± 415.880 χ^2/NDF : 31.8/31

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440 +/- 0.502 χ^2/NDF : 674989.6/15

Left Out: 1733.708 +/- 0.357 χ^2/NDF : 665.4/14

Right Out: 1898.603 +/- 0.506 χ^2/NDF : 269110.1/17

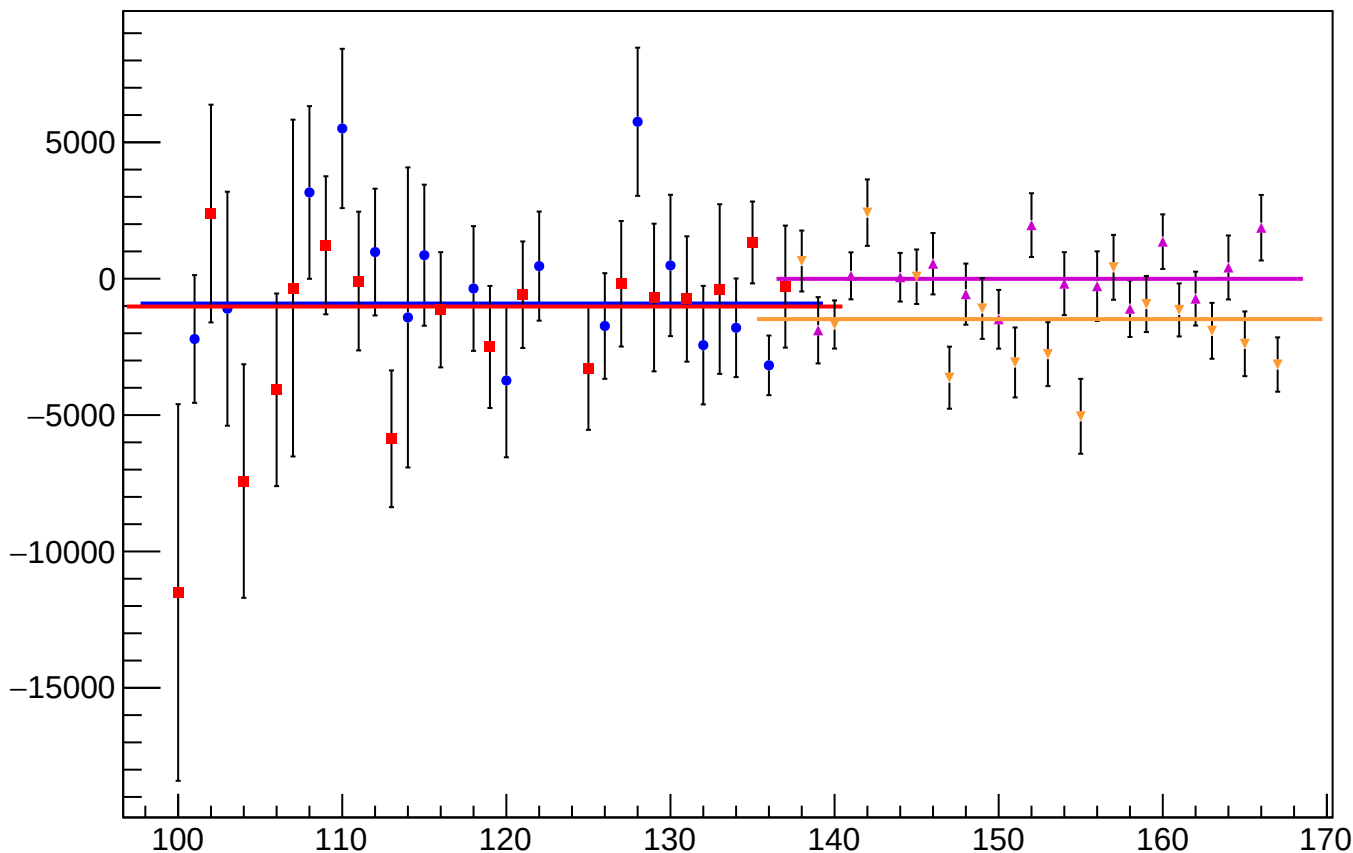
Left In: 1736.787 +/- 0.361 χ^2/NDF : 1902.0/13

+ sign 1777.874 +/- 0.291 χ^2/NDF : 721424.3/30

All: 1784.590 +/- 0.207 χ^2/NDF : 1061257.5/62

- sign 1791.464 +/- 0.294 χ^2/NDF : 338752.9/31

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



Right In: -910.955 $\pm$ 550.836 χ^2/NDF : 21.0/15

Left Out: -1482.097 $\pm$ 281.830 χ^2/NDF : 36.0/14

Right Out: -1020.124 $\pm$ 591.600 χ^2/NDF : 14.9/17

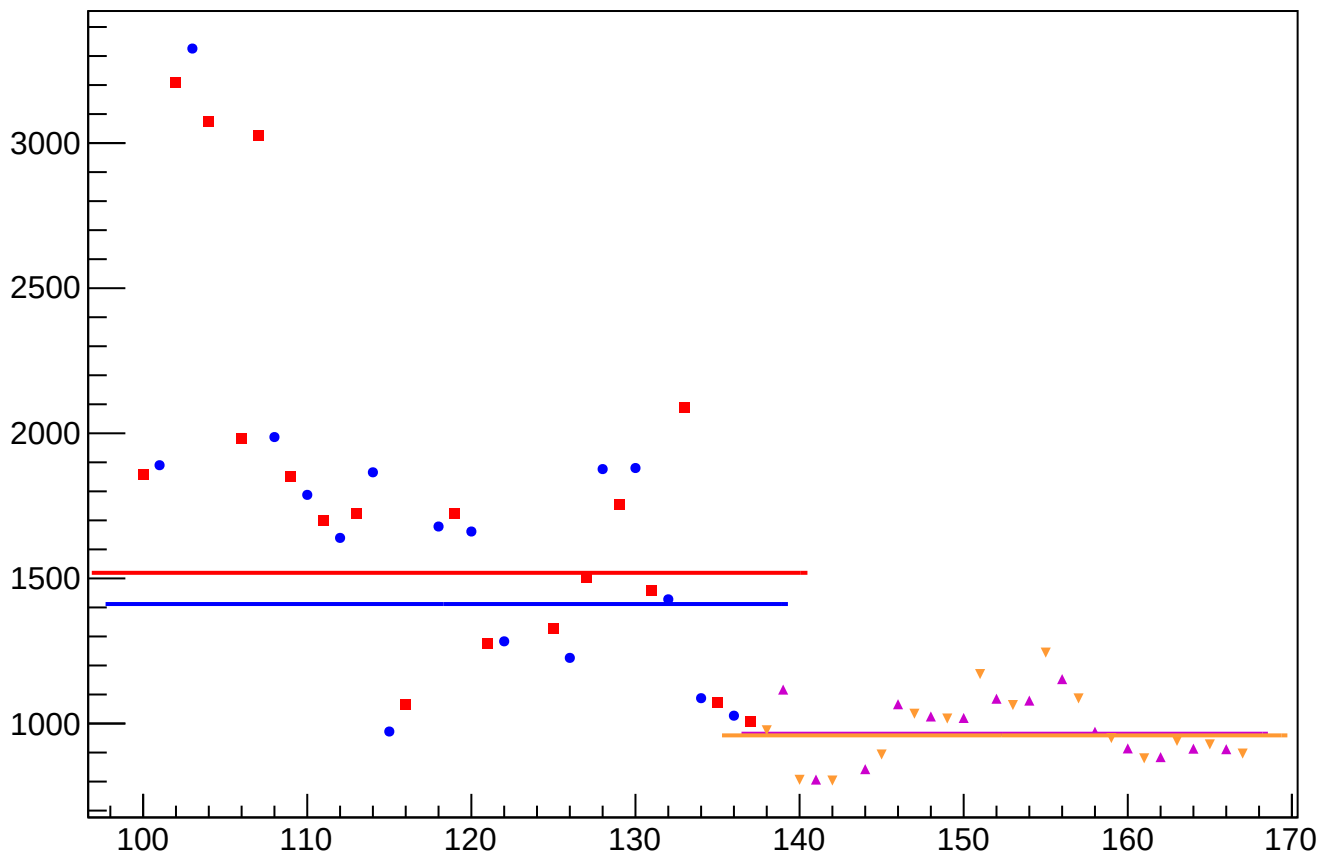
Left In: -5.673 $\pm$ 286.244 χ^2/NDF : 13.8/13

+ sign -1363.604 $\pm$ 250.897 χ^2/NDF : 57.9/30

All: -796.371 $\pm$ 179.757 χ^2/NDF : 99.5/62

- sign -198.112 $\pm$ 257.667 χ^2/NDF : 31.1/31

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF : 1177745.4/15

Left Out: 959.161+/-0.199 χ^2/NDF : 318759.9/14

Right Out: 1519.305+/-0.418 χ^2/NDF : 1360145.6/17

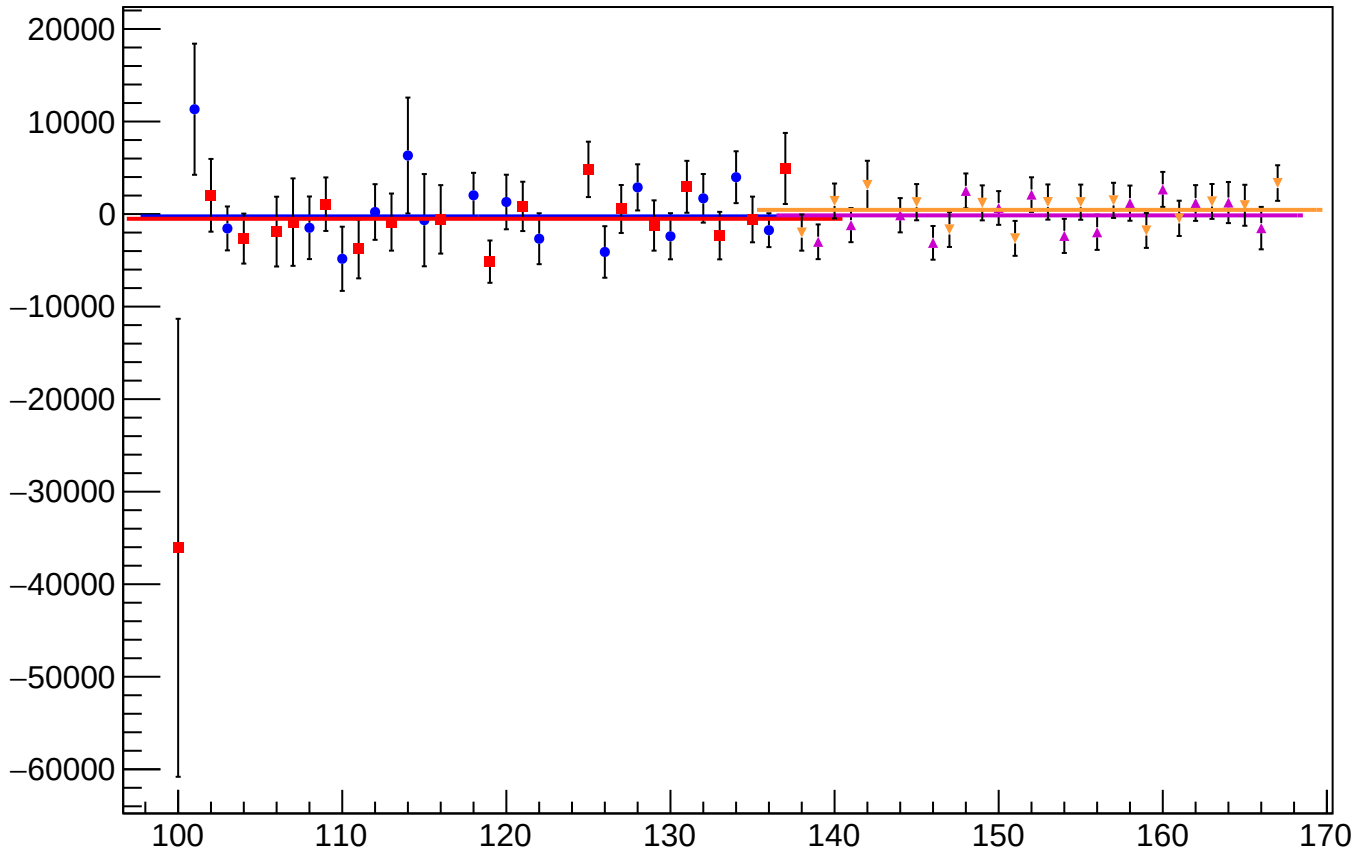
Left In: 964.917+/-0.202 χ^2/NDF : 273740.0/13

+ sign 1053.058+/-0.177 χ^2/NDF : 2566561.8/30

All: 1061.344+/-0.127 χ^2/NDF : 5628073.4/62

- sign 1070.083+/-0.182 χ^2/NDF : 3057029.5/31

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: 454.564+/-504.214 χ^2 /NDF:12.0/14

Right Out: -510.117+/-715.442 χ^2 /NDF: 16.4/17

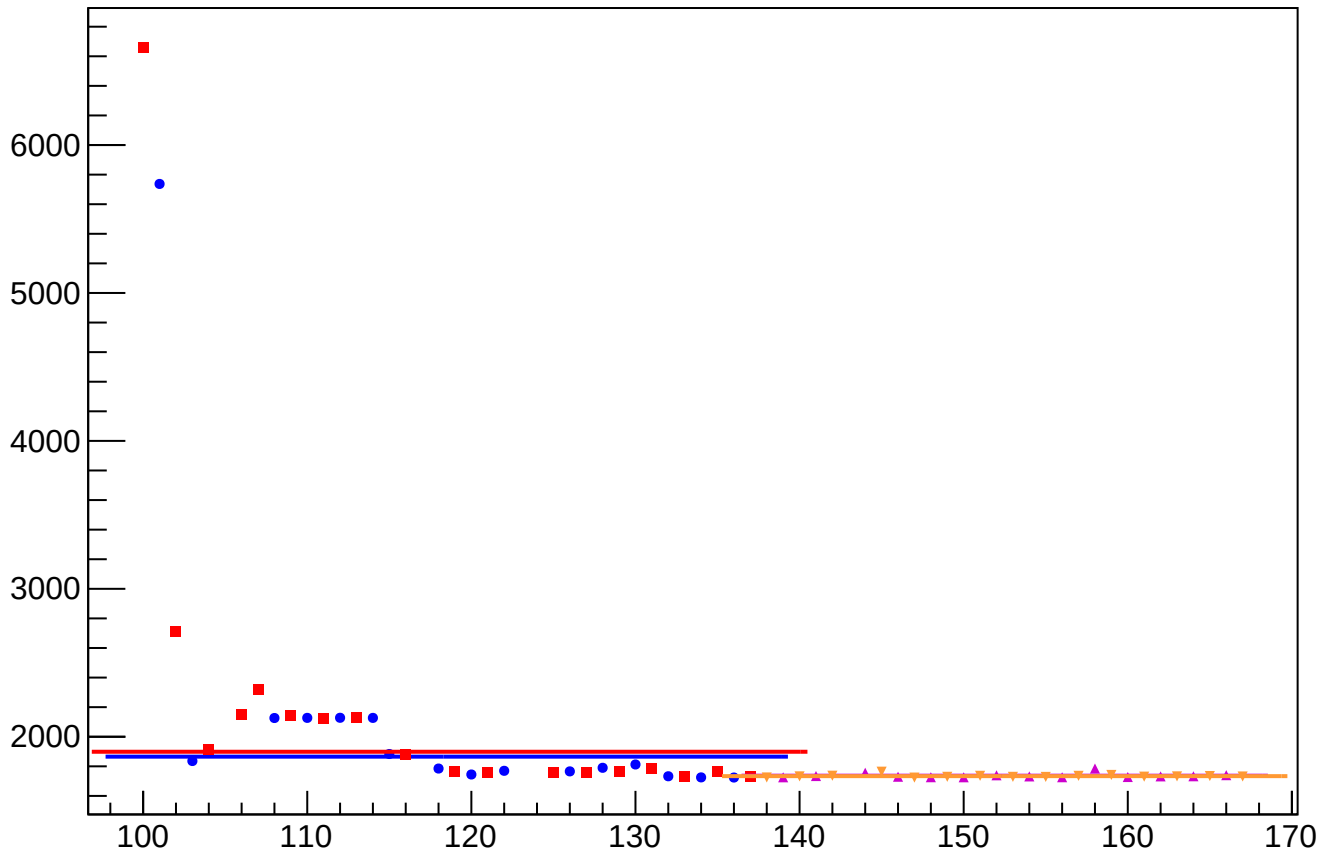
Left In: -143.032+/-511.100 χ^2 /NDF:15.2/13

+ sign 217.668+/-411.091 χ^2 /NDF: 28.3/30

All: -21.894+/-292.364 χ^2 /NDF: 60.8/62

- sign -267.069+/-415.880 χ^2 /NDF: 31.8/31

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: 1733.708+/-0.357 χ^2/NDF : 665.4/14

Right Out: 1898.603+/-0.506 χ^2/NDF : 269109.9/17

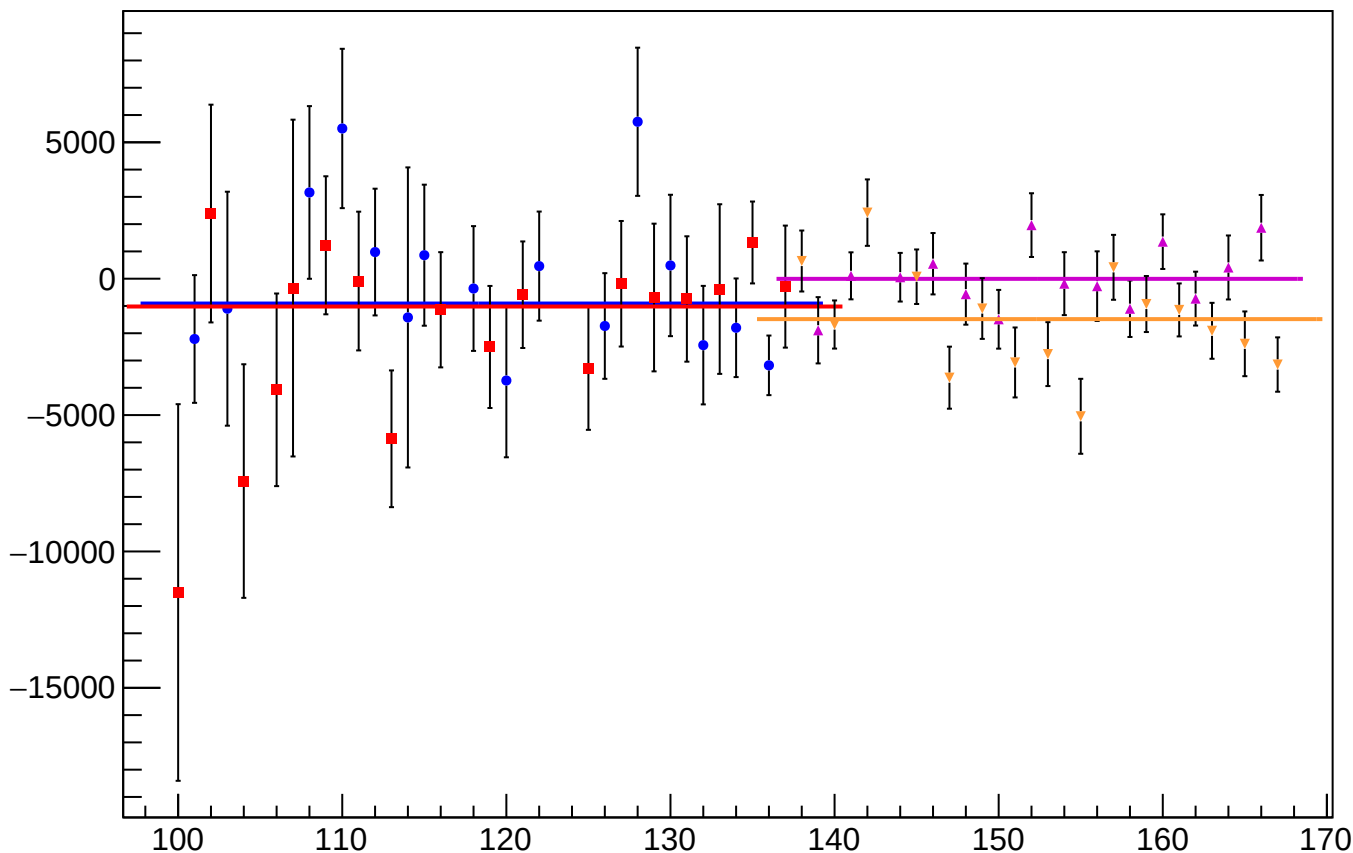
Left In: 1736.787+/-0.361 χ^2/NDF : 1902.0/13

+ sign 1777.874+/-0.291 χ^2/NDF : 721424.3/30

All: 1784.590+/-0.207 χ^2/NDF : 1061257.2/62

- sign 1791.464+/-0.294 χ^2/NDF : 338752.6/31

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: -1482.094 ± 281.830 χ^2/NDF : 36.0/14

Right Out: -1020.123 ± 591.599 χ^2/NDF : 14.9/17

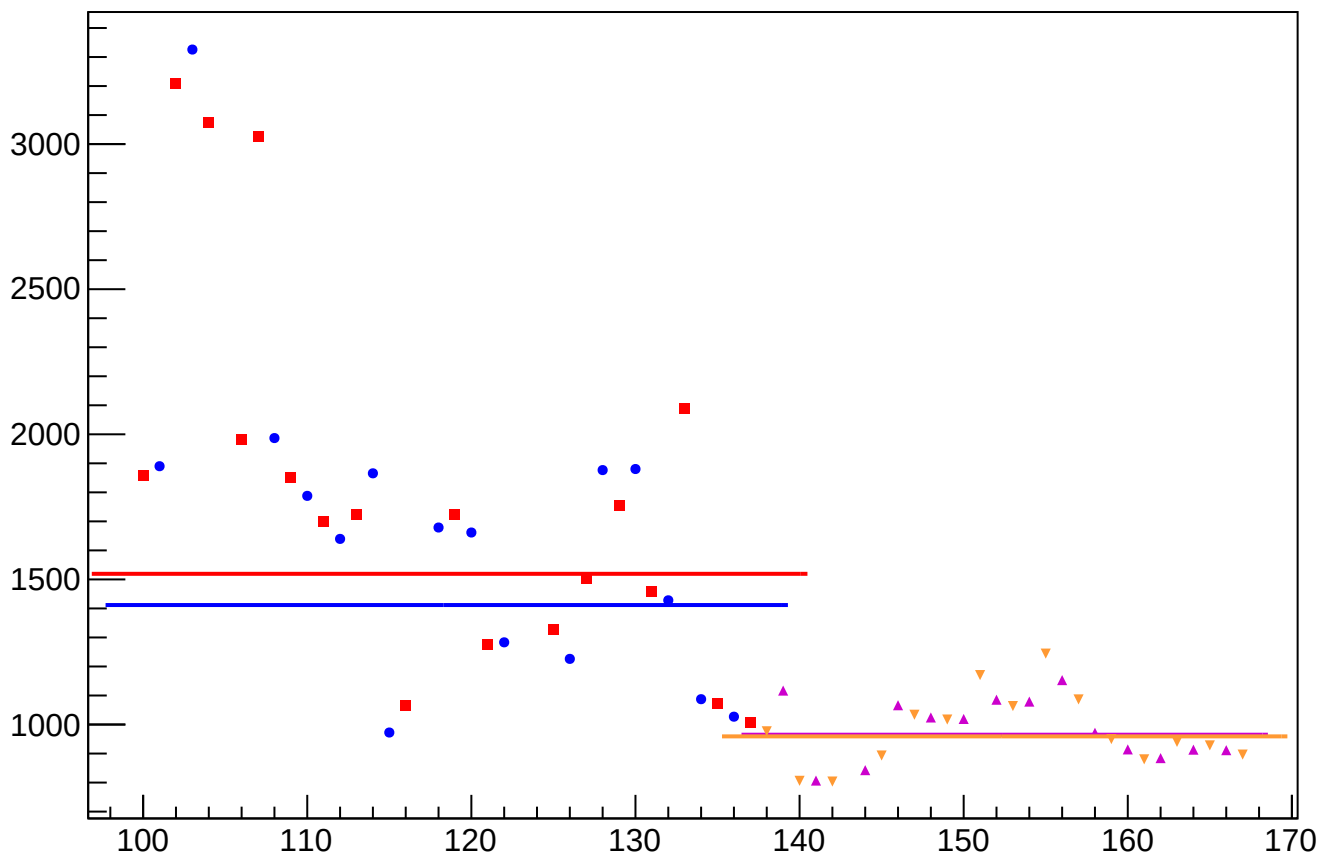
Left In: -5.670 ± 286.244 χ^2/NDF : 13.8/13

+ sign -1363.601 ± 250.897 χ^2/NDF : 57.9/30

All: -796.368 ± 179.757 χ^2/NDF : 99.5/62

- sign -198.110 ± 257.667 χ^2/NDF : 31.1/31

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: 959.161+/-0.199 χ^2/NDF : 318769.1/14

Right Out: 1519.302+/-0.418 χ^2/NDF : 1360150.0/17

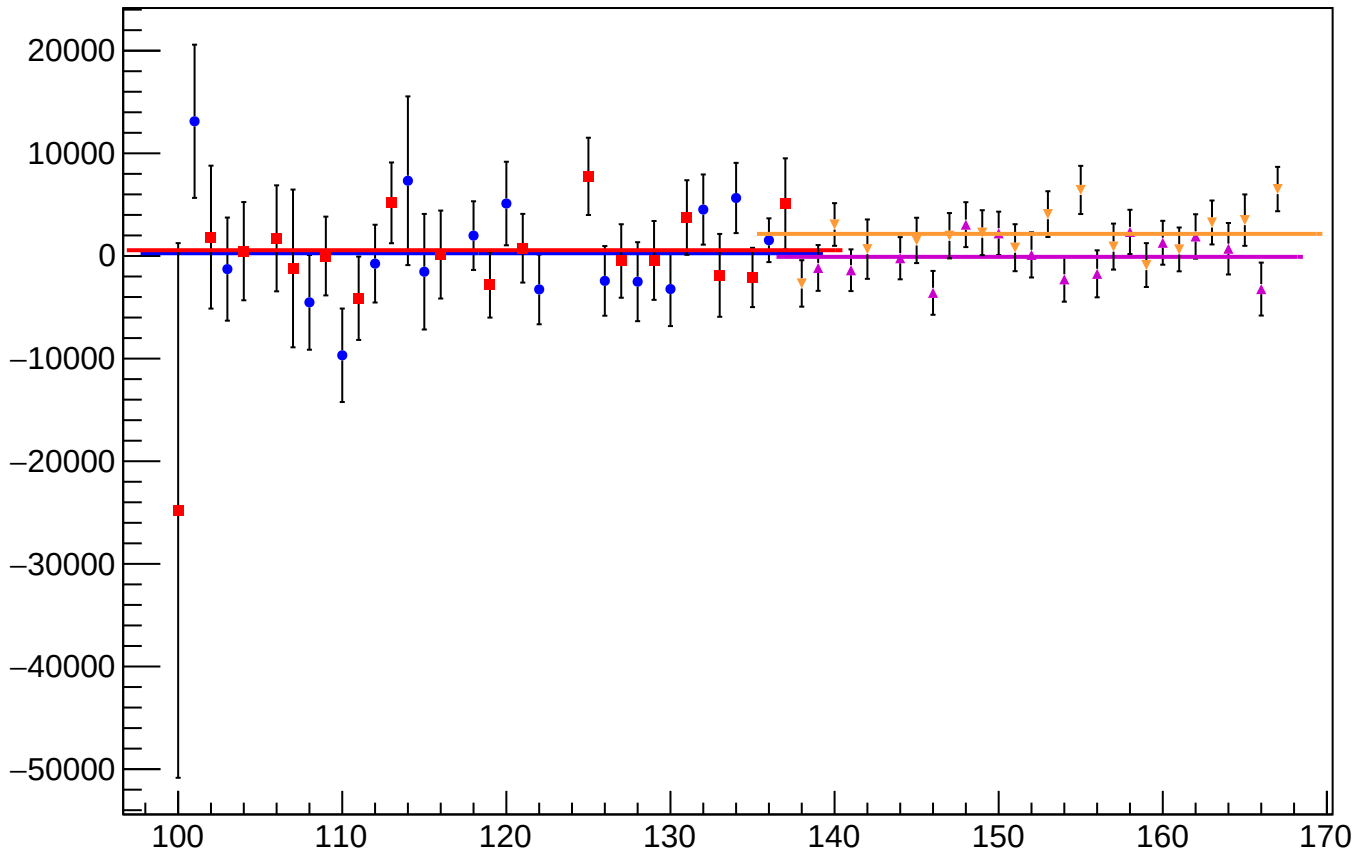
Left In: 964.917+/-0.202 χ^2/NDF : 273748.1/13

+ sign 1053.057+/-0.177 χ^2/NDF : 2566562.4/30

All: 1061.343+/-0.127 χ^2/NDF : 5628077.4/62

- sign 1070.083+/-0.182 χ^2/NDF : 3057032.7/31

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383 $\pm$ 941.979 χ^2 /NDF: 19.0/15

Left Out: 2152.161 $\pm$ 580.499 χ^2 /NDF:17.0/14

Right Out: 560.962 $\pm$ 962.943 χ^2 /NDF: 11.7/17

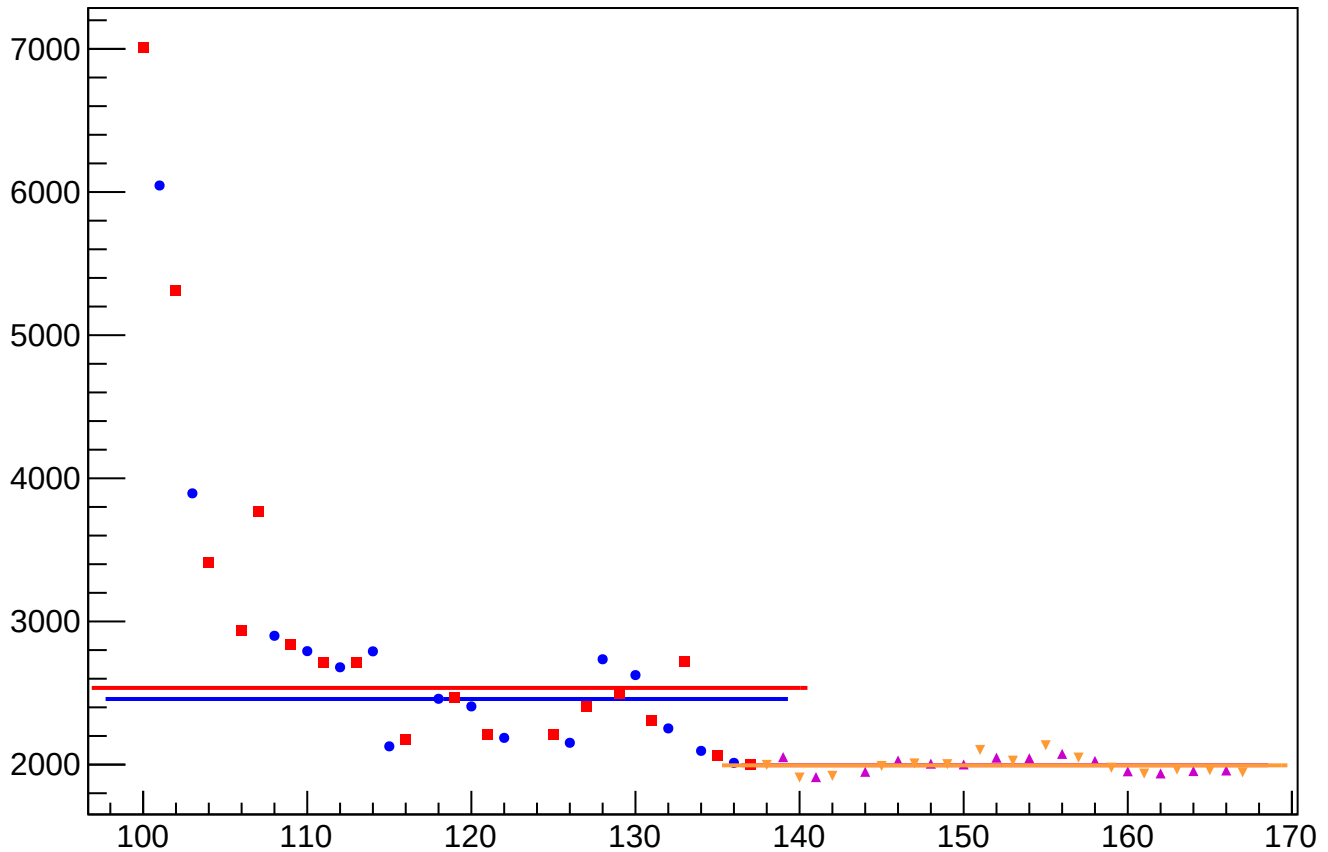
Left In: -85.706 $\pm$ 587.592 χ^2 /NDF:12.2/13

+ sign 1632.567 $\pm$ 494.195 χ^2 /NDF: 38.9/30

All: 872.606 $\pm$ 352.032 χ^2 /NDF: 68.0/62

- sign 89.750 $\pm$ 501.584 χ^2 /NDF: 24.3/31

asym_us_dd_at1lr_dd_dd_rms vs Slug

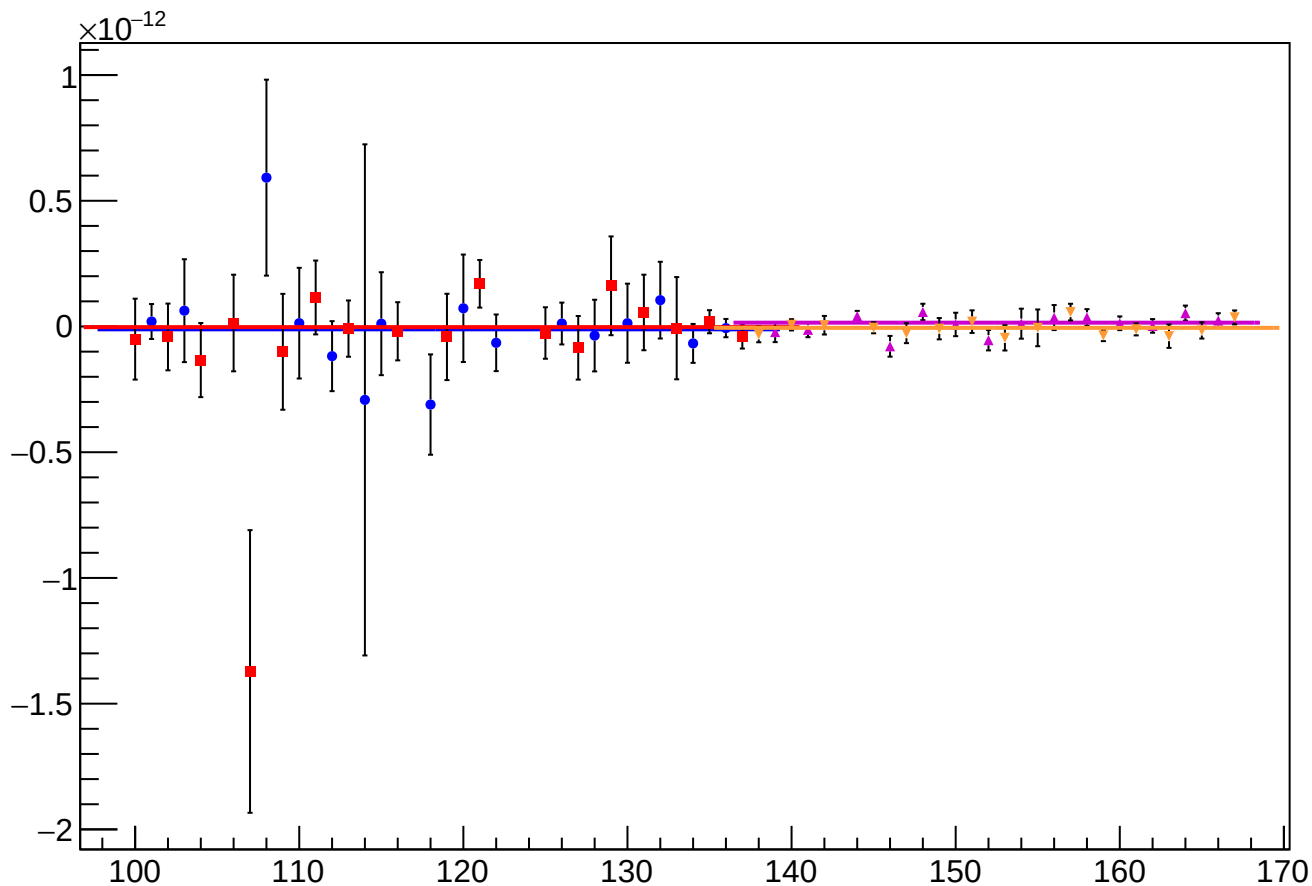


+ sign 2122.367 +/- 0.349 χ^2/NDF : 1205201.8/30

All: 2132.229 +/- 0.249 χ^2/NDF : 2352456.3/62

- sign 2142.388 +/- 0.355 χ^2/NDF : 1145637.6/31

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 7.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 10.6/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.2/17

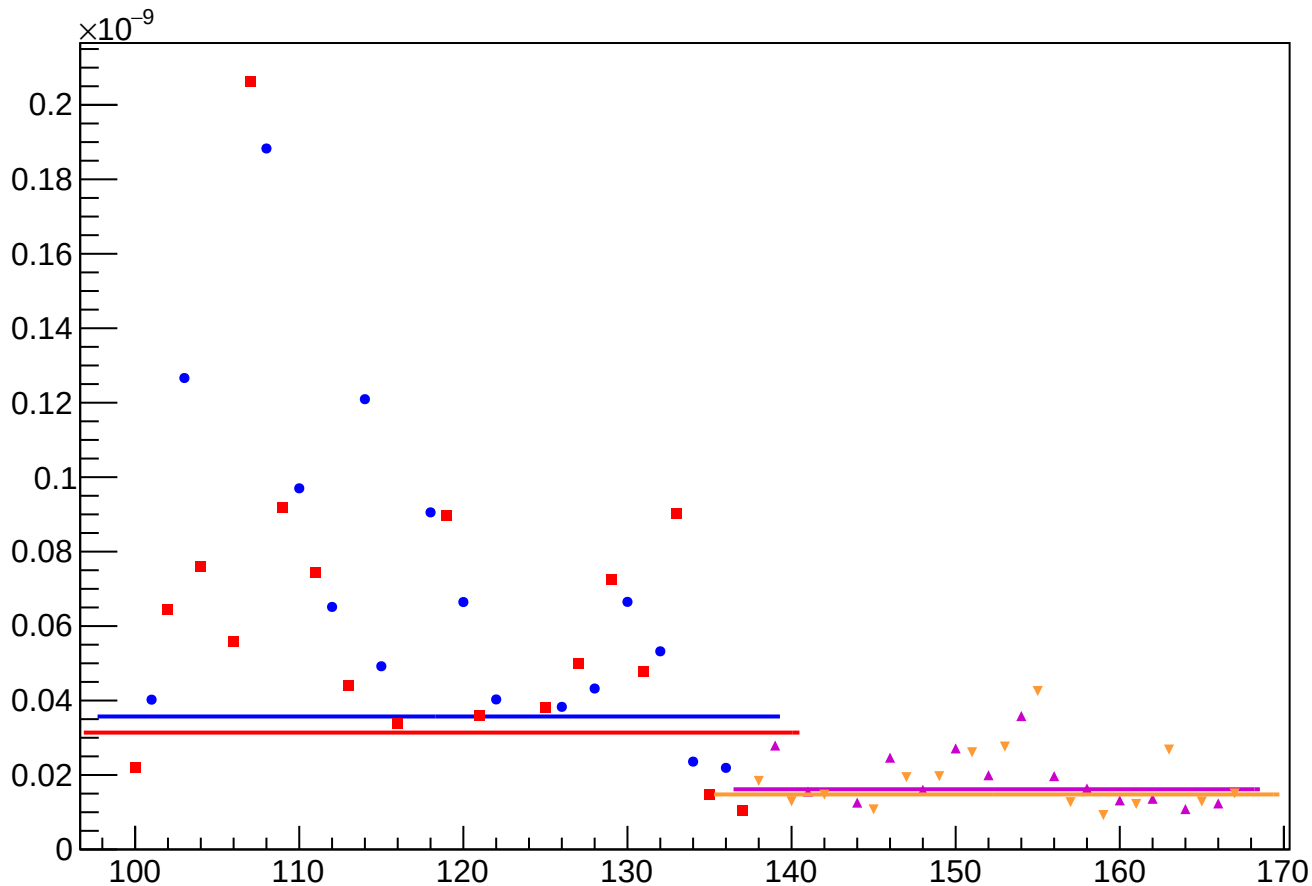
Left In: 0.000 ± 0.000 χ^2/NDF : 15.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 18.0/30

All: 0.000 ± 0.000 χ^2/NDF : 50.3/62

- sign 0.000 ± 0.000 χ^2/NDF : 29.4/31

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1620217.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1001206.6/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2068272.1/17

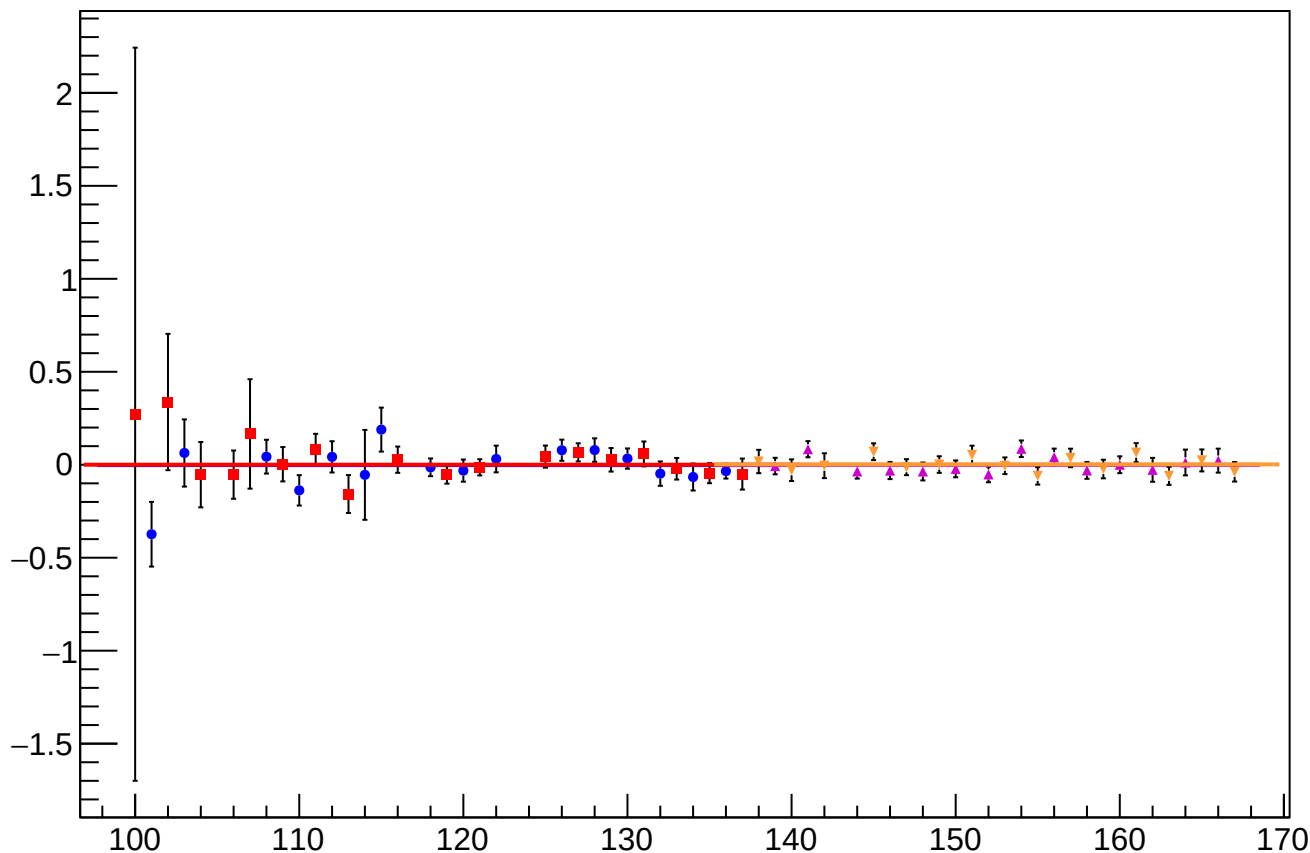
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 810335.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3936190.8/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7525623.1/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3571123.6/31

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: 0.002 ± 0.013 χ^2/NDF : 10.2/14

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

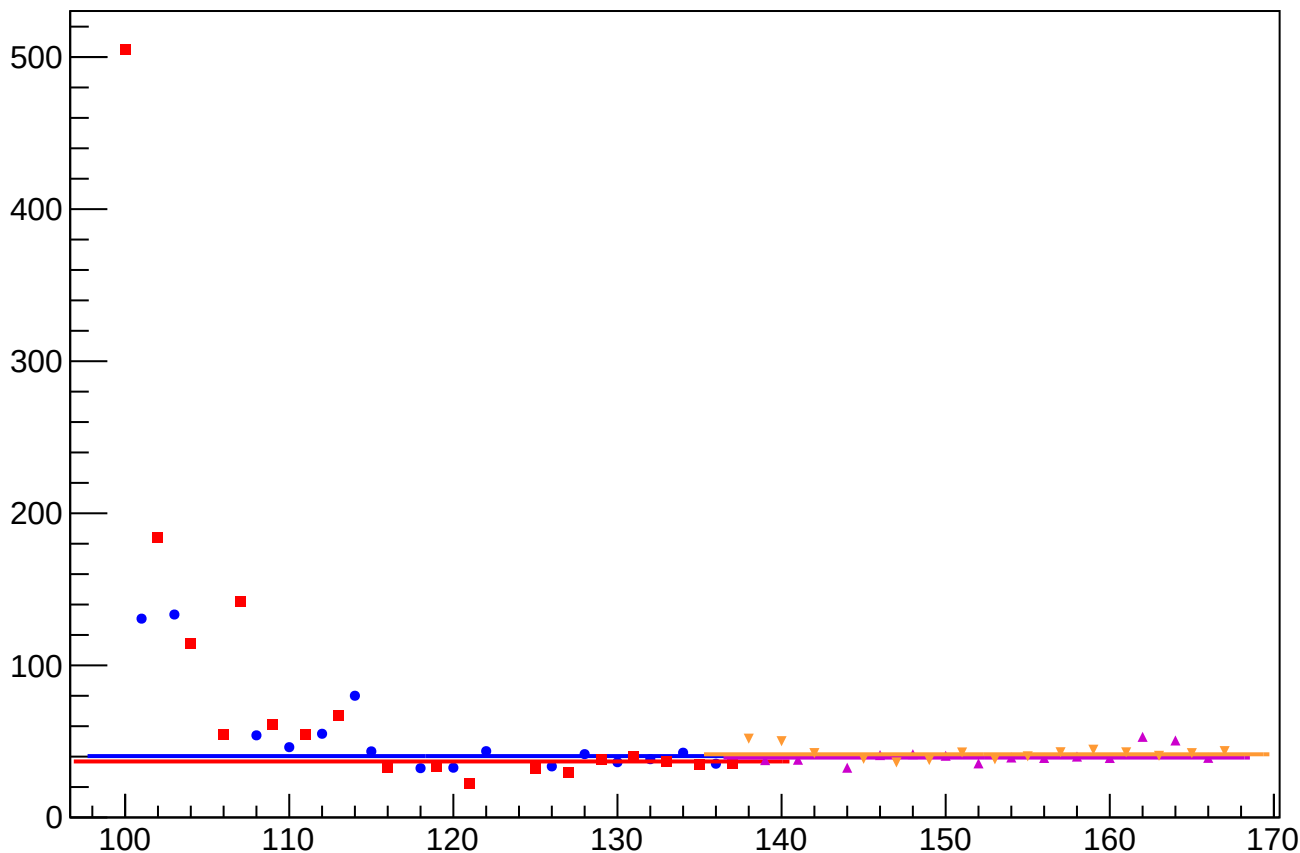
Left In: -0.001 ± 0.013 χ^2/NDF : 12.7/13

+ sign 0.001 ± 0.010 χ^2/NDF : 27.3/30

All: 0.000 ± 0.007 χ^2/NDF : 50.9/62

- sign -0.000 ± 0.010 χ^2/NDF : 23.6/31

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF : 1410137.1/15

Left Out: 41.530+/-0.009 χ^2/NDF : 179007.2/14

Right Out: 36.825+/-0.012 χ^2/NDF : 1837124.6/17

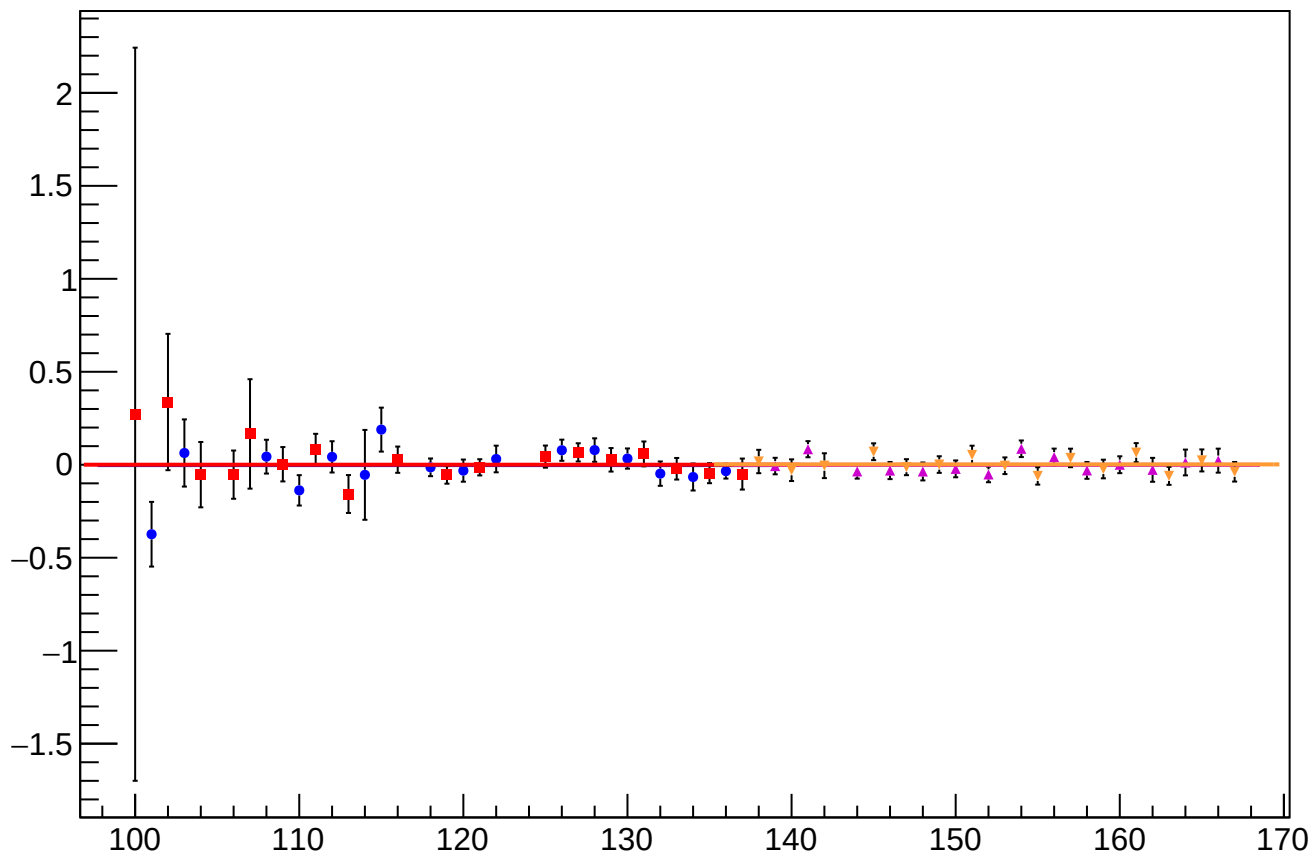
Left In: 39.365+/-0.009 χ^2/NDF : 231243.4/13

+ sign 41.098+/-0.007 χ^2/NDF : 1595174.9/30

All: 39.731+/-0.005 χ^2/NDF : 3760962.0/62

- sign 38.441+/-0.007 χ^2/NDF : 2097934.1/31

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: 0.002 ± 0.013 χ^2/NDF : 10.2/14

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

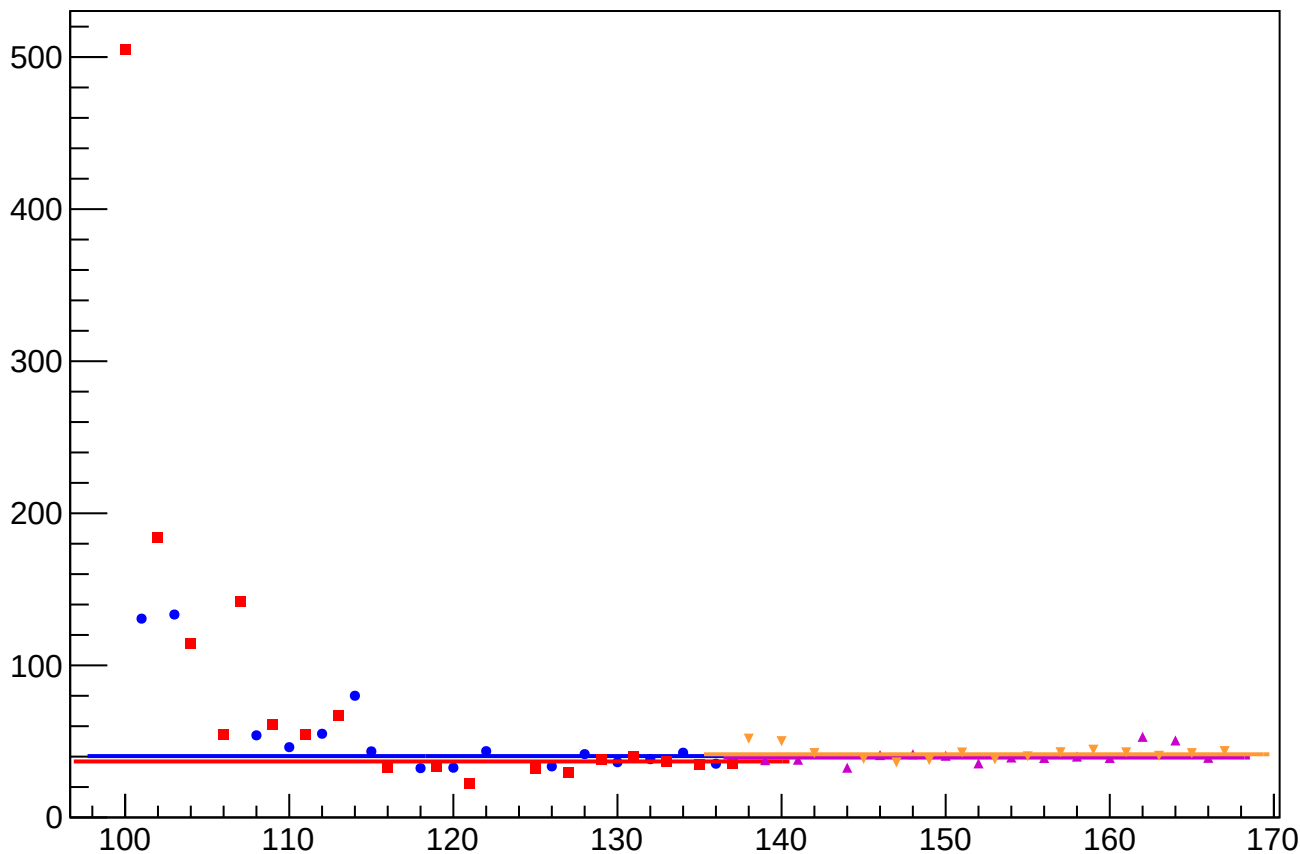
Left In: -0.001 ± 0.013 χ^2/NDF : 12.7/13

+ sign 0.001 ± 0.010 χ^2/NDF : 27.3/30

All: 0.000 ± 0.007 χ^2/NDF : 50.9/62

- sign -0.000 ± 0.010 χ^2/NDF : 23.6/31

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: 41.530 $\pm$ 0.009 χ^2 /NDF: 179007.2/14

Right Out: 36.825 $\pm$ 0.012 χ^2 /NDF: 1837124.6/17

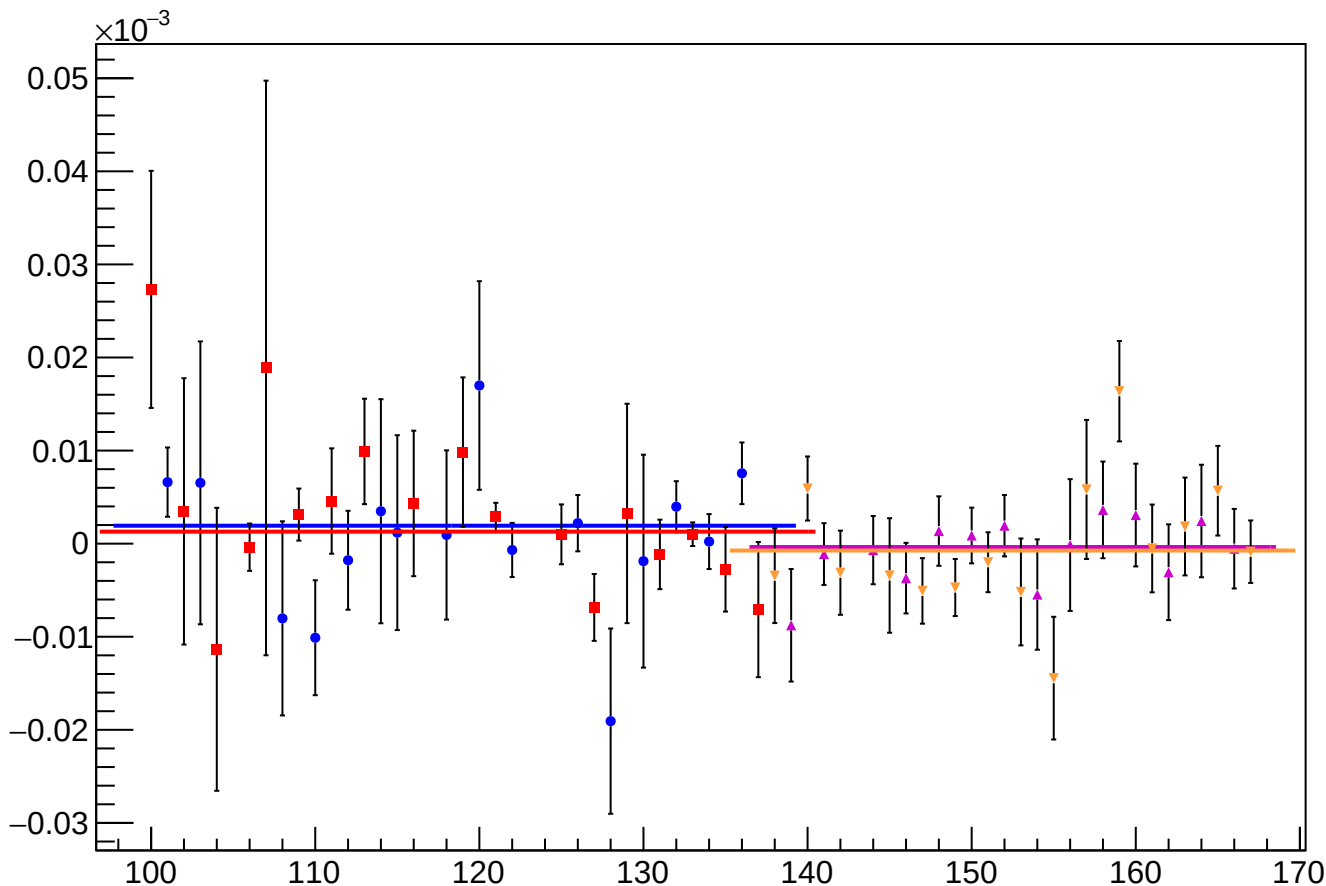
Left In: 39.365 $\pm$ 0.009 χ^2 /NDF: 231243.4/13

+ sign 41.098 $\pm$ 0.007 χ^2 /NDF: 1595174.9/30

All: 39.731 $\pm$ 0.005 χ^2 /NDF: 3760962.0/62

- sign 38.441 $\pm$ 0.007 χ^2 /NDF: 2097934.1/31

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: 25.6/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/17

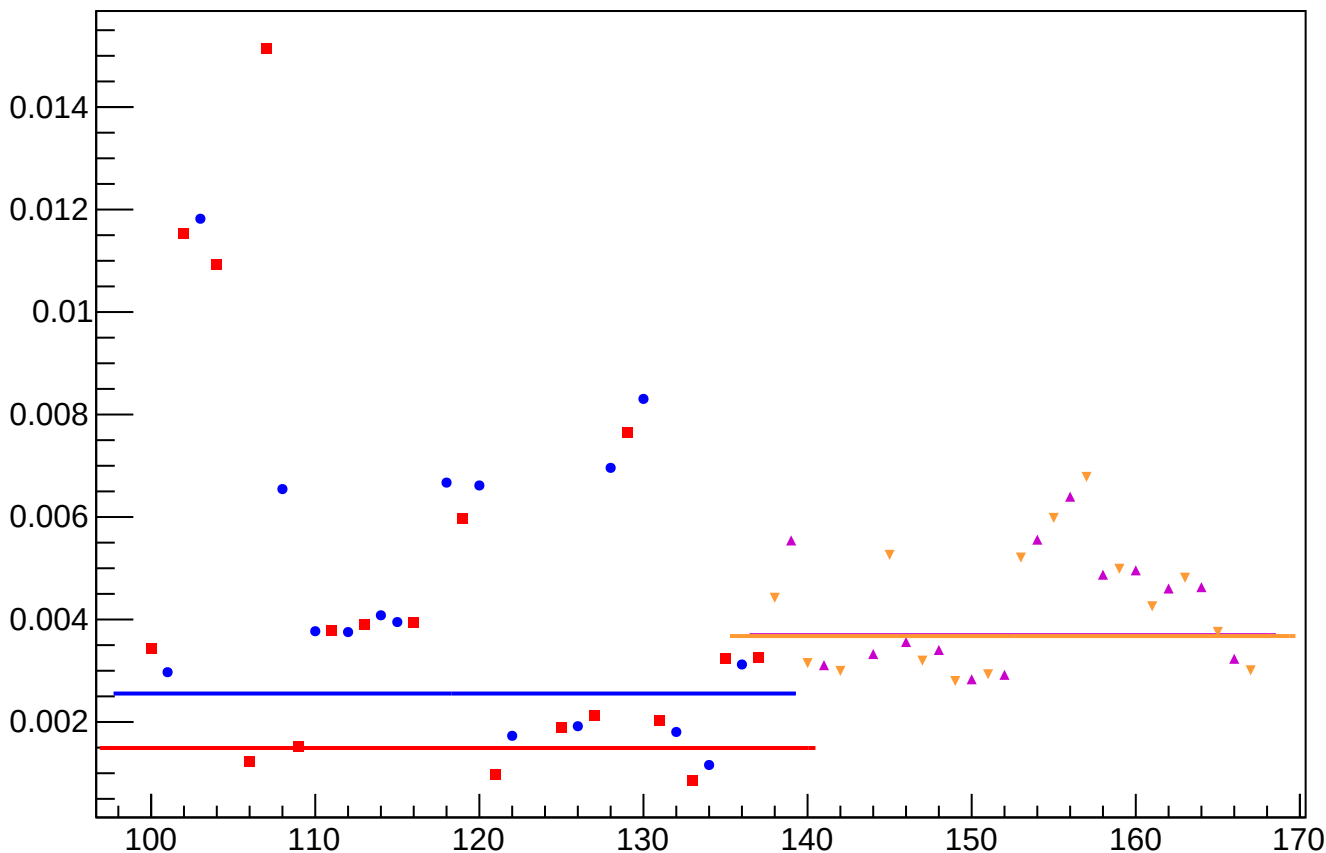
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 5.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.3/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 72.5/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/31

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF :1632301.9/14

Right Out: 0.001+/-0.000 χ^2/NDF : 5561830.1/17

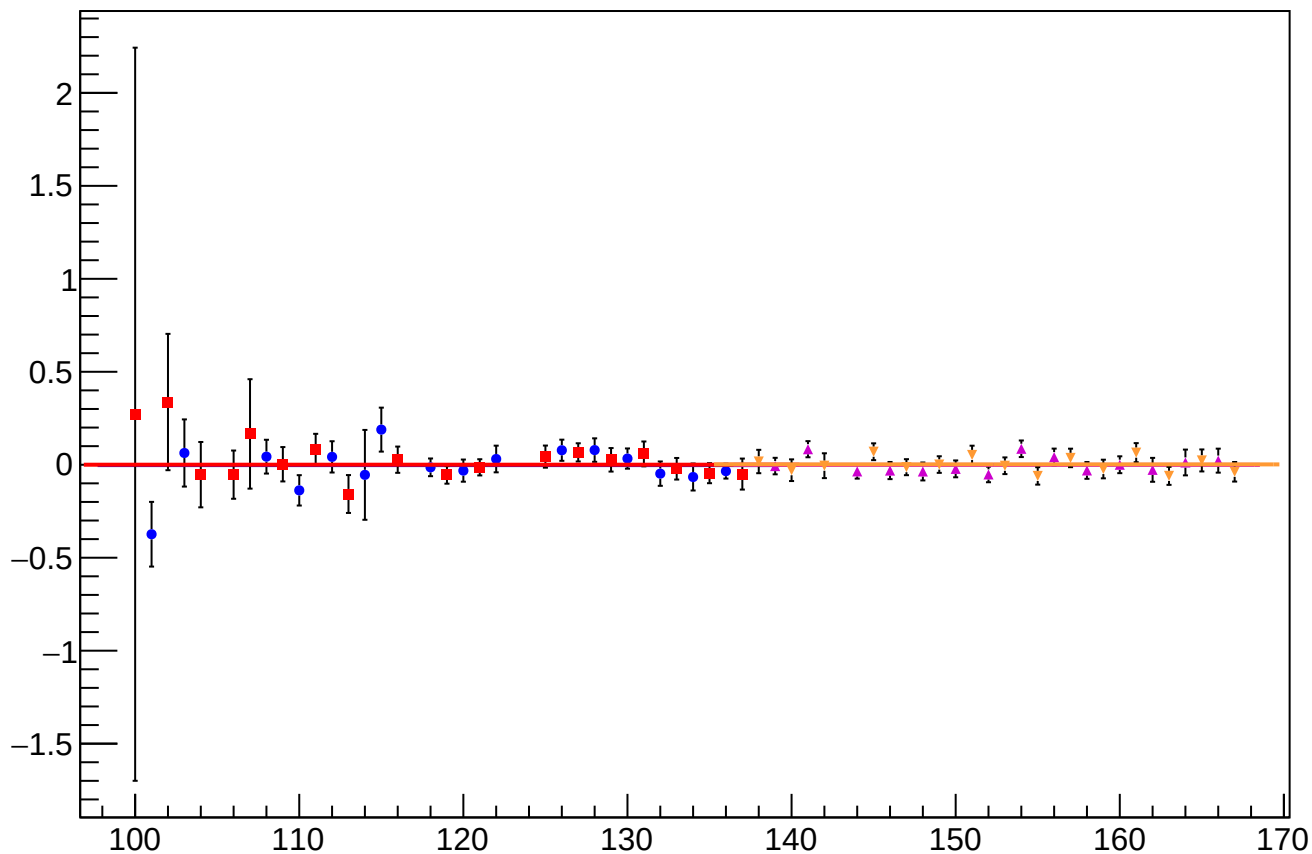
Left In: 0.004+/-0.000 χ^2/NDF :1390787.1/13

+ sign 0.003+/-0.000 χ^2/NDF : 6400648.6/30

All: 0.003+/-0.000 χ^2/NDF : 20389733.9/62

- sign 0.002+/-0.000 χ^2/NDF : 12183332.0/31

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: 0.002 ± 0.013 χ^2/NDF : 10.2/14

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

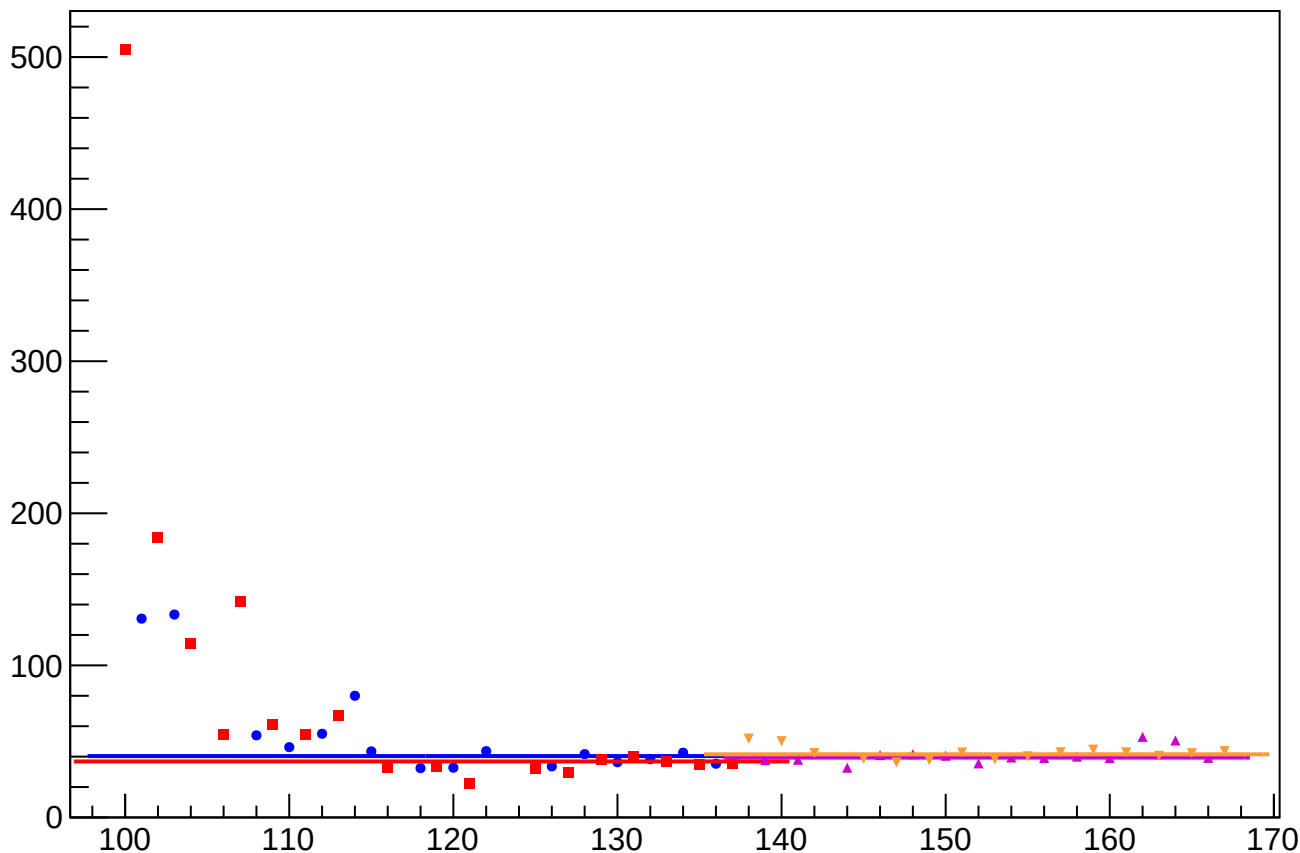
Left In: -0.001 ± 0.013 χ^2/NDF : 12.7/13

+ sign 0.001 ± 0.010 χ^2/NDF : 27.3/30

All: 0.000 ± 0.007 χ^2/NDF : 50.9/62

- sign -0.000 ± 0.010 χ^2/NDF : 23.6/31

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: 41.530 $\pm$ 0.009 χ^2 /NDF: 179007.0/14

Right Out: 36.824 $\pm$ 0.012 χ^2 /NDF: 1837118.8/17

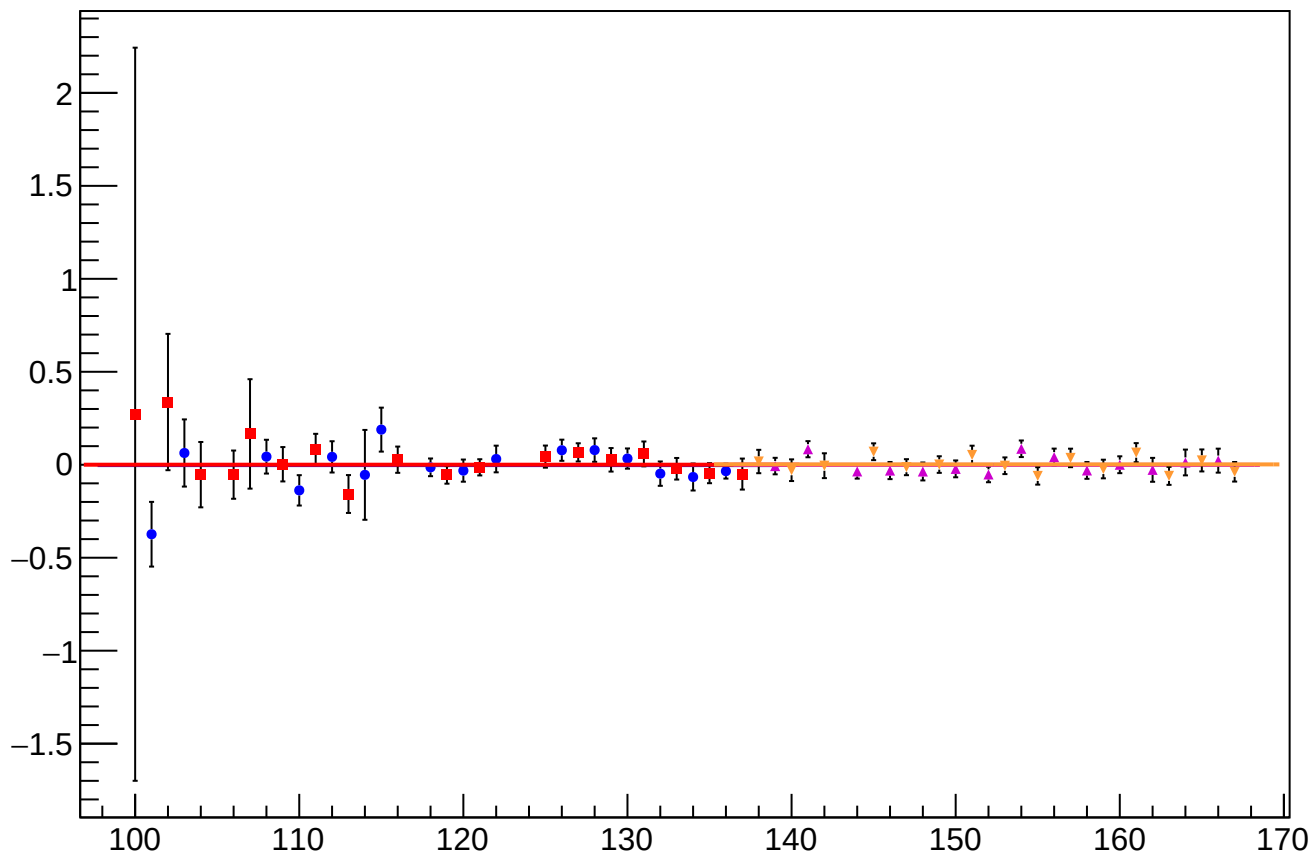
Left In: 39.365 $\pm$ 0.009 χ^2 /NDF: 231212.1/13

+ sign 41.098 $\pm$ 0.007 χ^2 /NDF: 1595067.8/30

All: 39.731 $\pm$ 0.005 χ^2 /NDF: 3760864.1/62

- sign 38.441 $\pm$ 0.007 χ^2 /NDF: 2097918.1/31

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: 0.002 ± 0.013 χ^2/NDF : 10.2/14

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

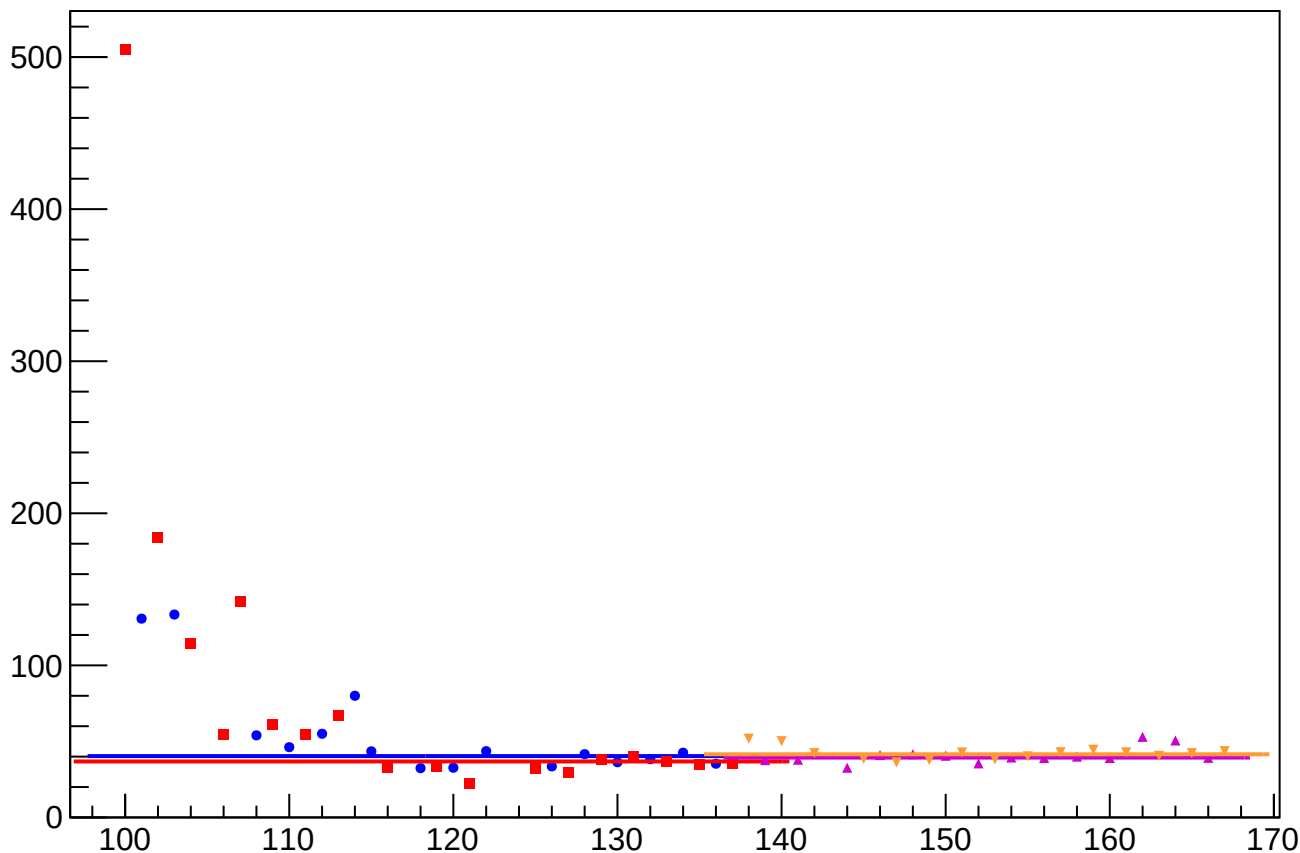
Left In: -0.001 ± 0.013 χ^2/NDF : 12.7/13

+ sign 0.001 ± 0.010 χ^2/NDF : 27.3/30

All: 0.000 ± 0.007 χ^2/NDF : 50.9/62

- sign -0.000 ± 0.010 χ^2/NDF : 23.6/31

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF : 1410036.7/15

Left Out: 41.530+/-0.009 χ^2/NDF : 179007.0/14

Right Out: 36.824+/-0.012 χ^2/NDF : 1837118.8/17

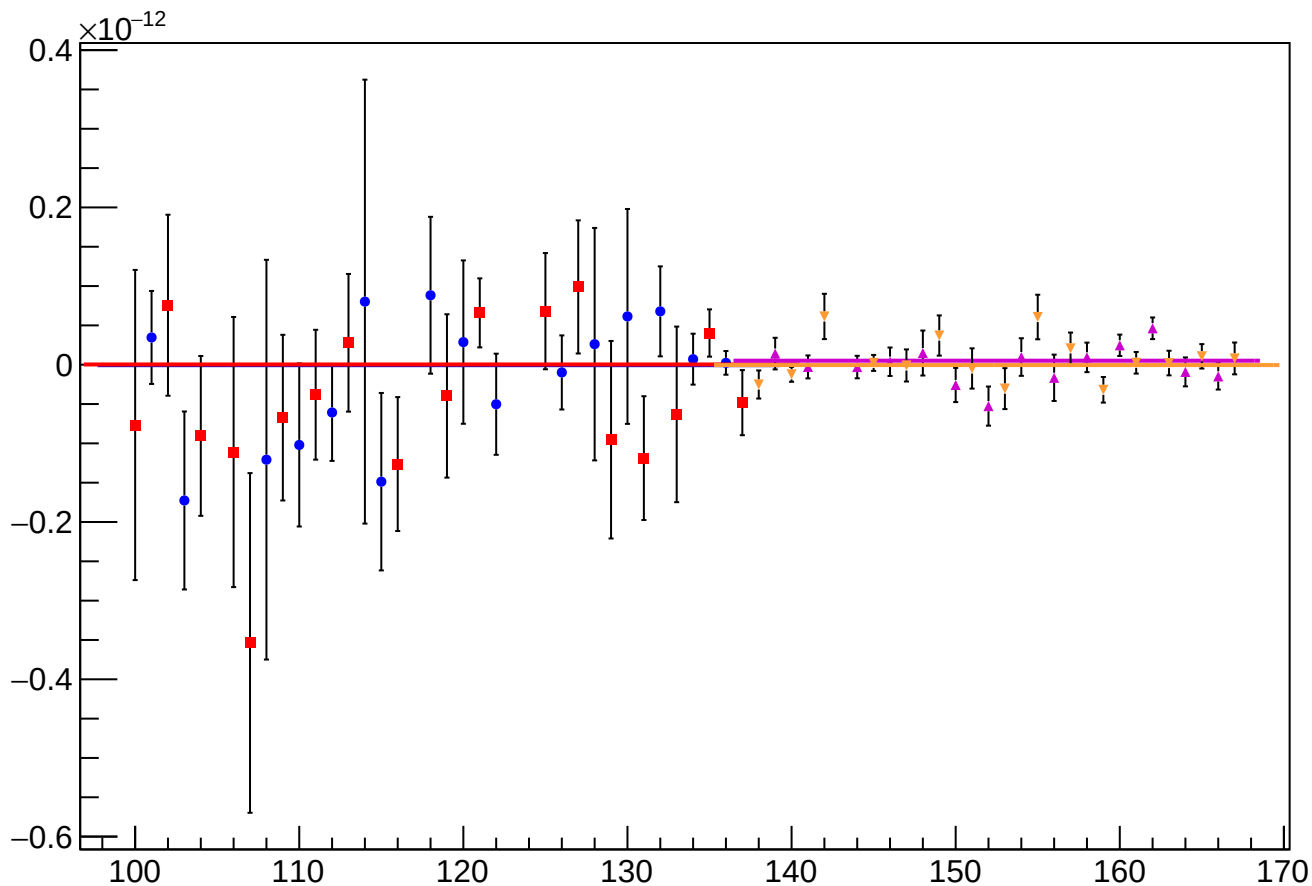
Left In: 39.365+/-0.009 χ^2/NDF : 231212.1/13

+ sign 41.098+/-0.007 χ^2/NDF : 1595067.8/30

All: 39.731+/-0.005 χ^2/NDF : 3760864.1/62

- sign 38.441+/-0.007 χ^2/NDF : 2097918.1/31

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 : 21.9/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.4/17

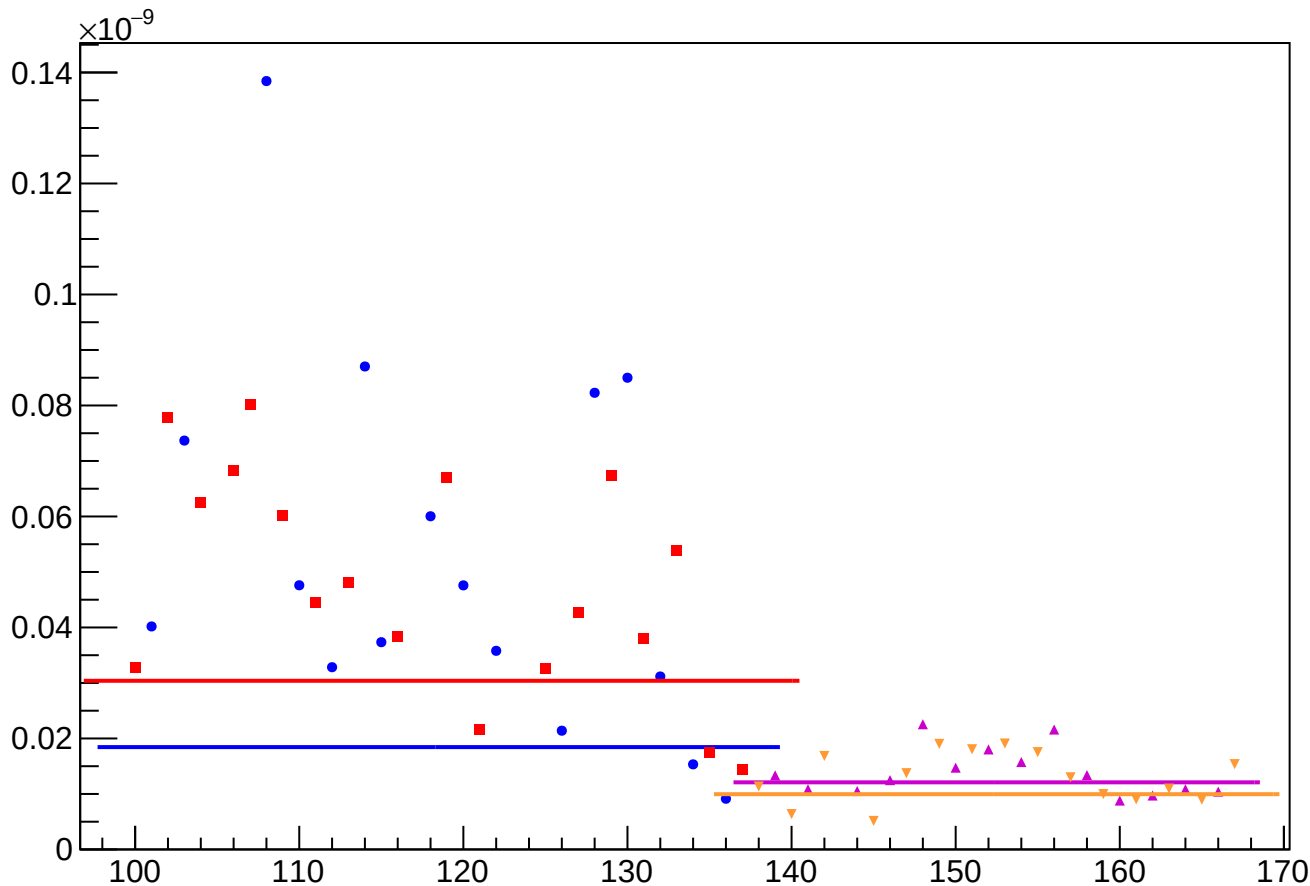
Left In: 0.000 ± 0.000 χ^2/NDF : 22.0/13

+ sign -0.000 ± 0.000 χ^2/NDF : 31.8/30

All: 0.000 ± 0.000 χ^2/NDF : 73.0/62

- sign 0.000 ± 0.000 χ^2/NDF : 40.5/31

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1988217.1/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2387224.9/17

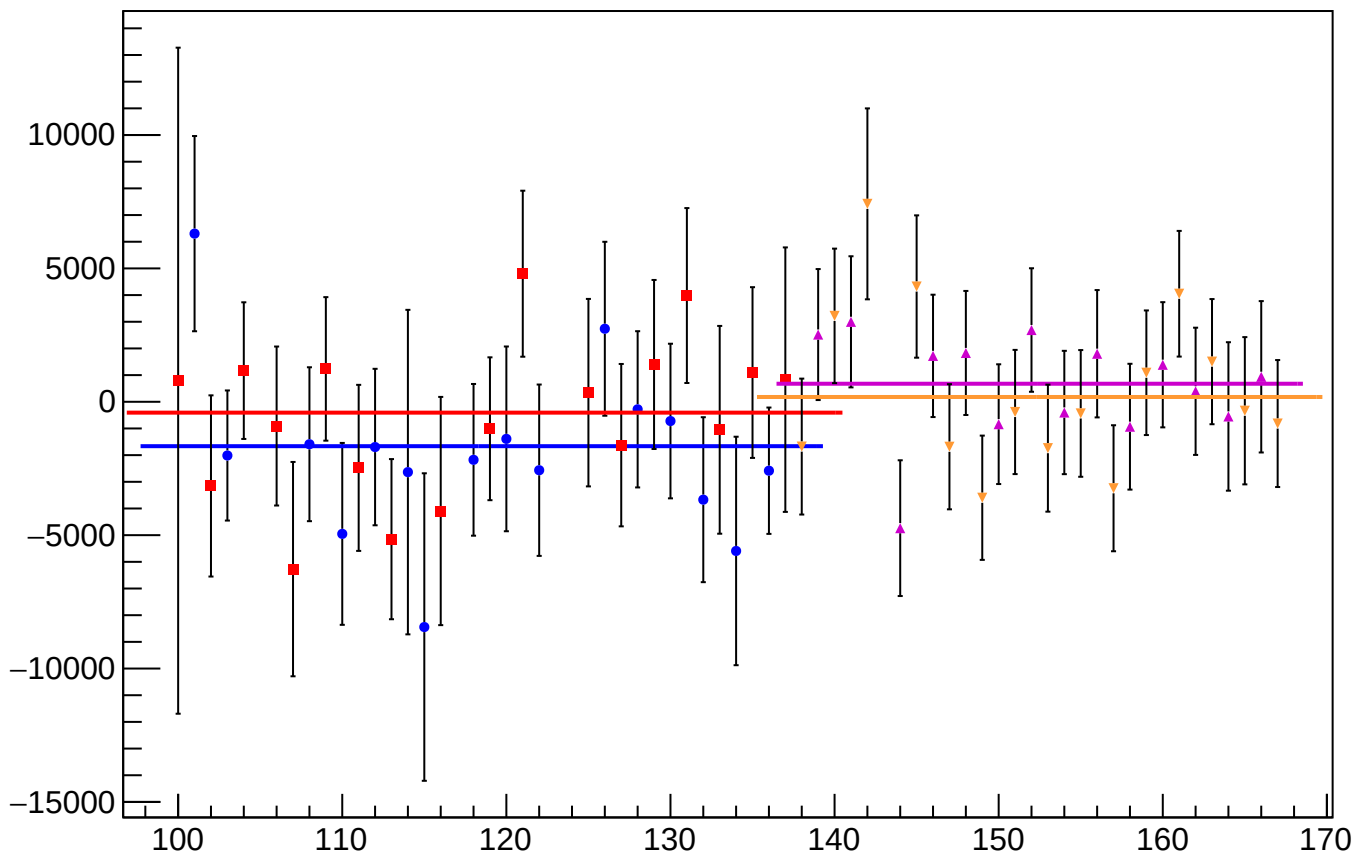
Left In: 0.000+/-0.000 χ^2/NDF : 929301.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 6961472.6/30

All: 0.000+/-0.000 χ^2/NDF : 12909868.6/62

- sign 0.000+/-0.000 χ^2/NDF : 5592503.7/31

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305 ± 792.164 χ^2/NDF : 10.8/15

Left Out: 179.926 ± 636.749 χ^2/NDF : 18.0/14

Right Out: -406.847 ± 777.158 χ^2/NDF : 12.7/17

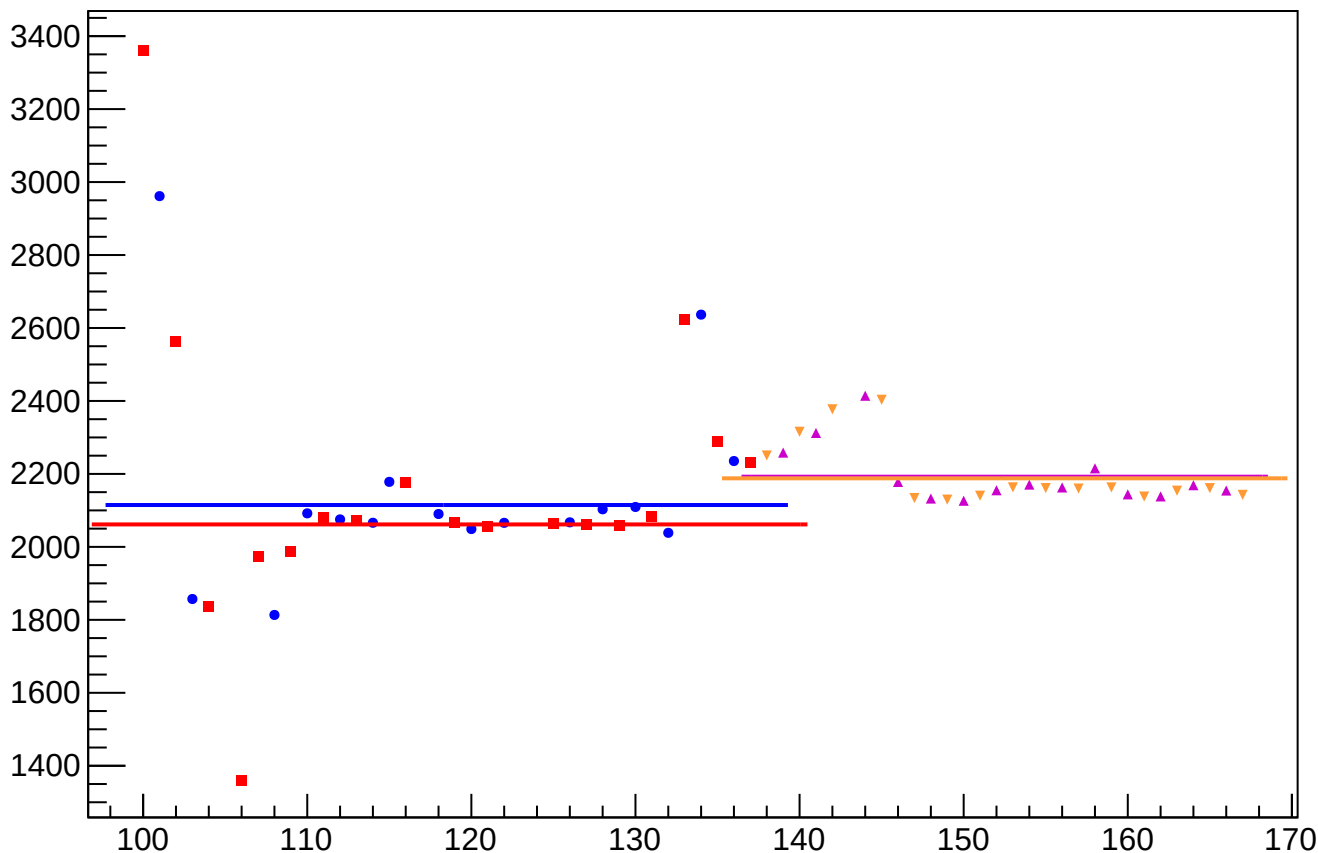
Left In: 676.670 ± 645.587 χ^2/NDF : 8.9/13

+ sign -543.949 ± 496.294 χ^2/NDF : 32.1/30

All: -155.080 ± 351.039 χ^2/NDF : 56.1/62

- sign 234.262 ± 496.595 χ^2/NDF : 22.8/31

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2 /NDF: 189920.6/15

Left Out: 2187.927+/-0.450 χ^2 /NDF:31302.5/14

Right Out: 2061.560+/-0.550 χ^2 /NDF: 249186.6/17

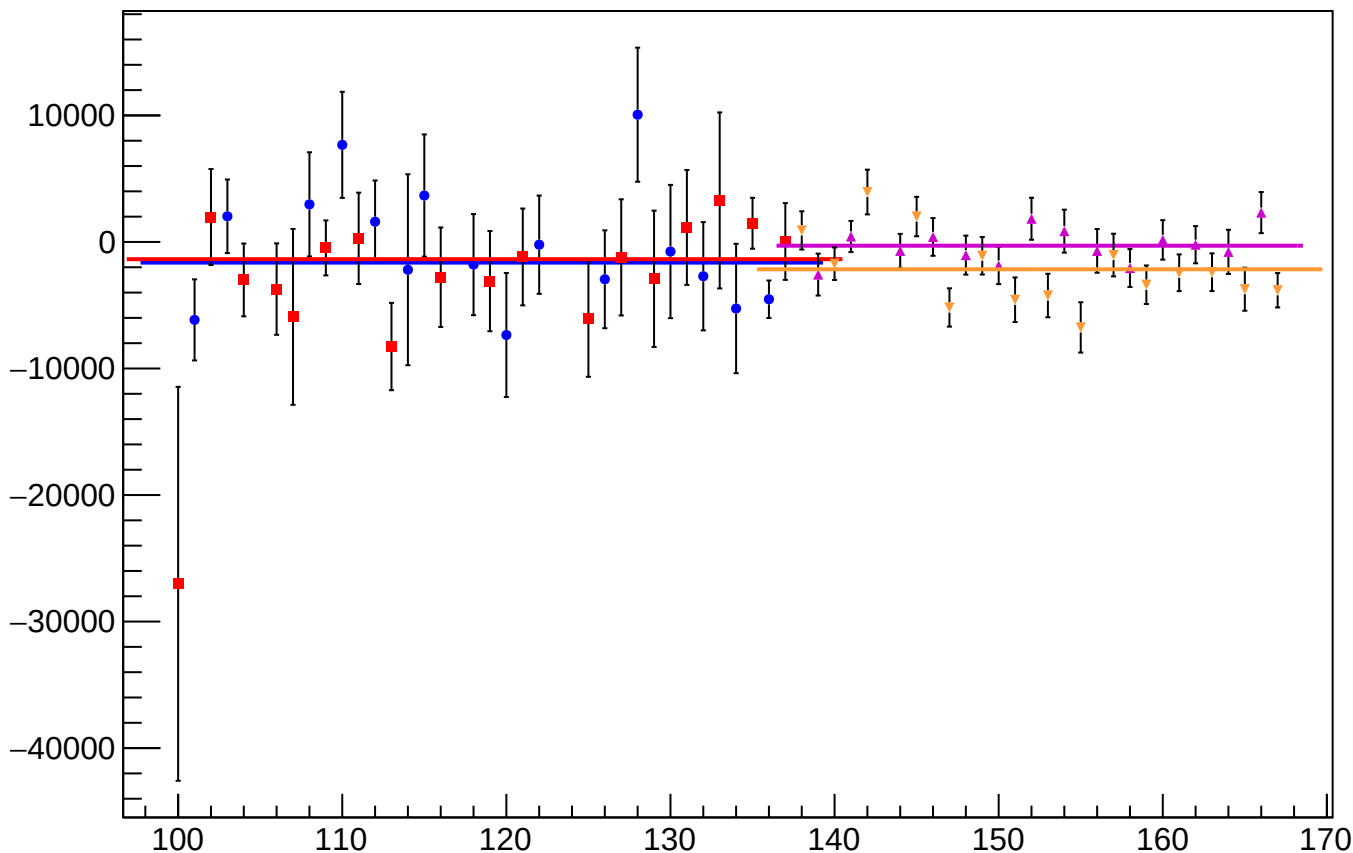
Left In: 2192.445+/-0.456 χ^2 /NDF:28110.9/13

+ sign 2159.207+/-0.351 χ^2 /NDF: 231589.6/30

All: 2149.111+/-0.248 χ^2 /NDF: 544108.4/62

- sign 2139.003+/-0.351 χ^2 /NDF: 310862.6/31

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: -2159.124 $\pm$ 402.444 χ^2 /NDF:40.0/14

Right Out: -1361.841 $\pm$ 840.417 χ^2 /NDF: 13.5/17

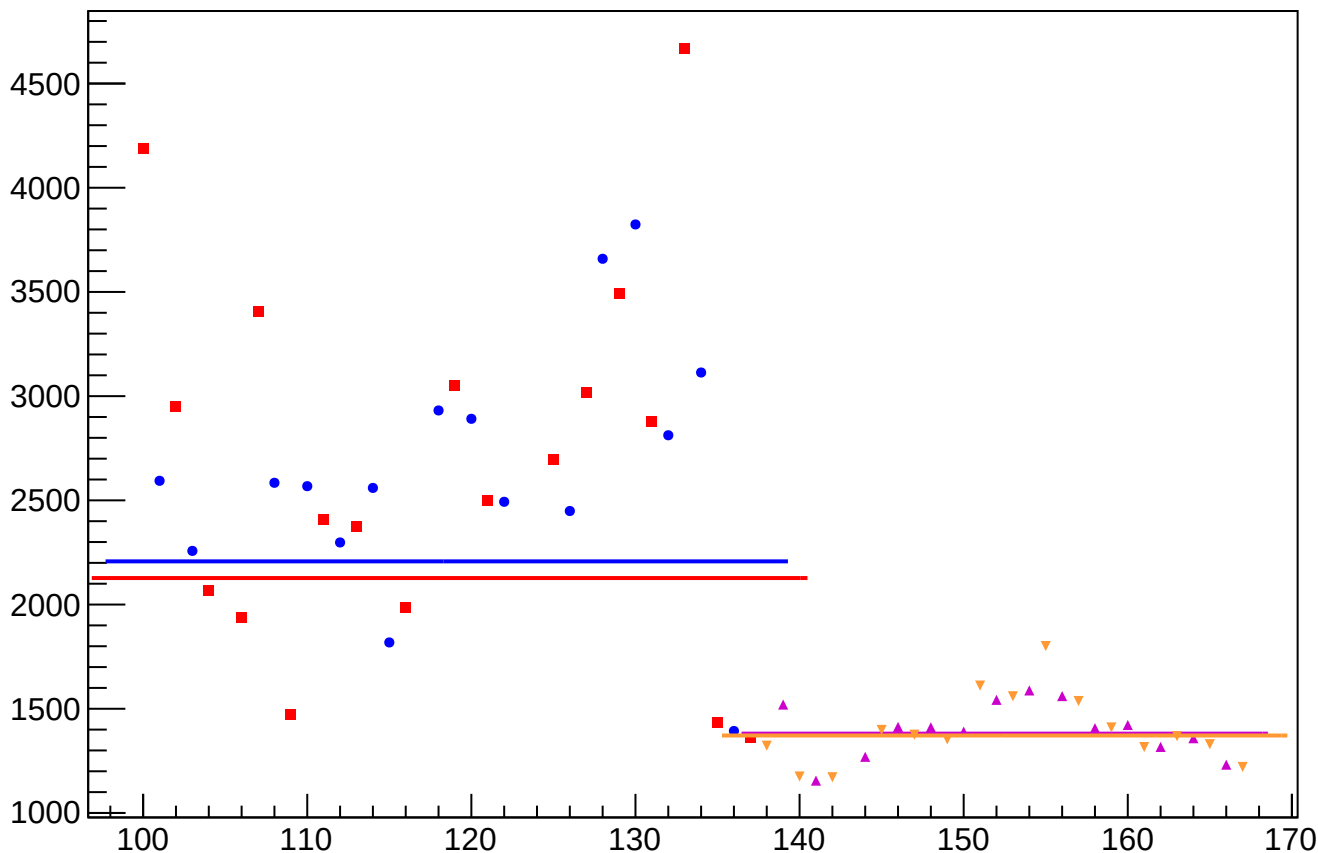
Left In: -295.378 $\pm$ 408.856 χ^2 /NDF:10.2/13

+ sign -2064.591 $\pm$ 364.691 χ^2 /NDF: 63.1/30

All: -1288.374 $\pm$ 258.918 χ^2 /NDF: 97.3/62

- sign -499.478 $\pm$ 367.657 χ^2 /NDF: 25.0/31

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: 1371.706+/-0.285 χ^2/NDF : 279095.5/14

Right Out: 2127.224+/-0.594 χ^2/NDF : 1458046.9/17

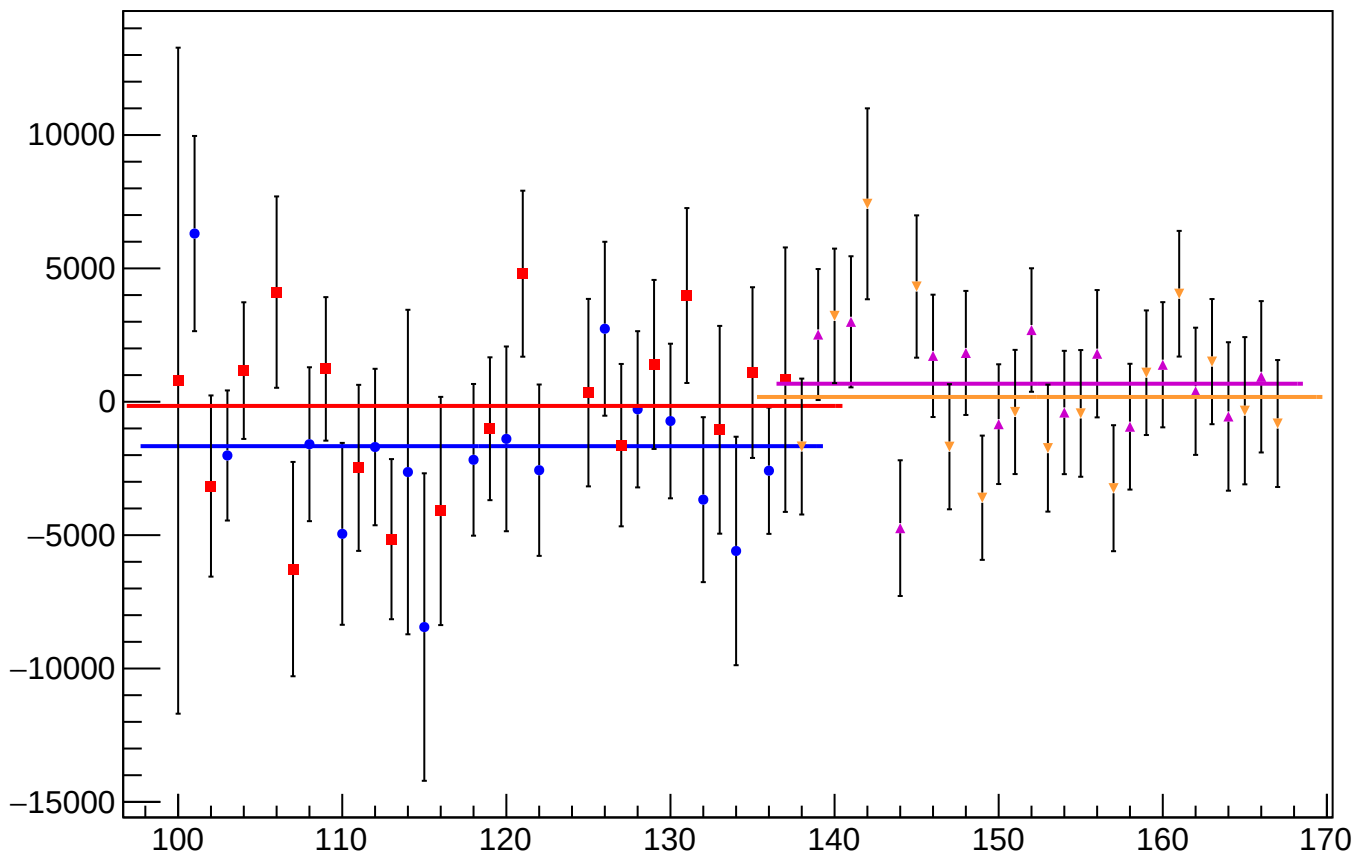
Left In: 1380.638+/-0.289 χ^2/NDF : 190196.3/13

+ sign 1521.118+/-0.258 χ^2/NDF : 3069979.6/30

All: 1522.309+/-0.183 χ^2/NDF : 5994540.7/62

- sign 1523.520+/-0.260 χ^2/NDF : 2924518.1/31

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231 ± 792.164 χ^2/NDF : 10.8/15

Left Out: 180.128 ± 636.749 χ^2/NDF : 18.0/14

Right Out: -155.775 ± 785.481 χ^2/NDF : 14.2/17

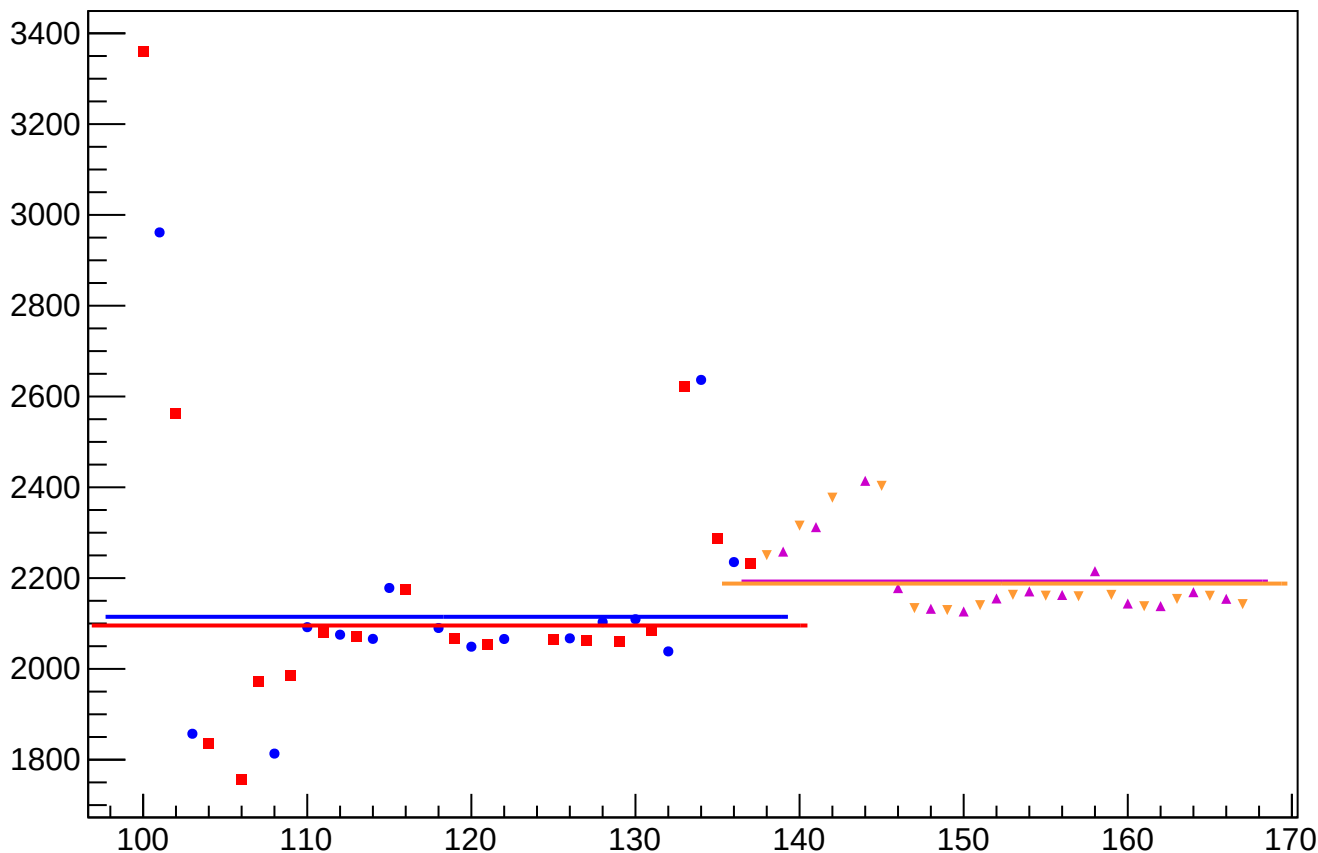
Left In: 676.536 ± 645.587 χ^2/NDF : 8.9/13

+ sign -543.797 ± 496.294 χ^2/NDF : 32.1/30

All: -103.593 ± 351.797 χ^2/NDF : 57.4/62

- sign 340.973 ± 498.747 χ^2/NDF : 23.7/31

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: 2187.927 $\pm$ 0.450 χ^2/NDF : 31302.5/14

Right Out: 2095.597 $\pm$ 0.555 χ^2/NDF : 149360.5/17

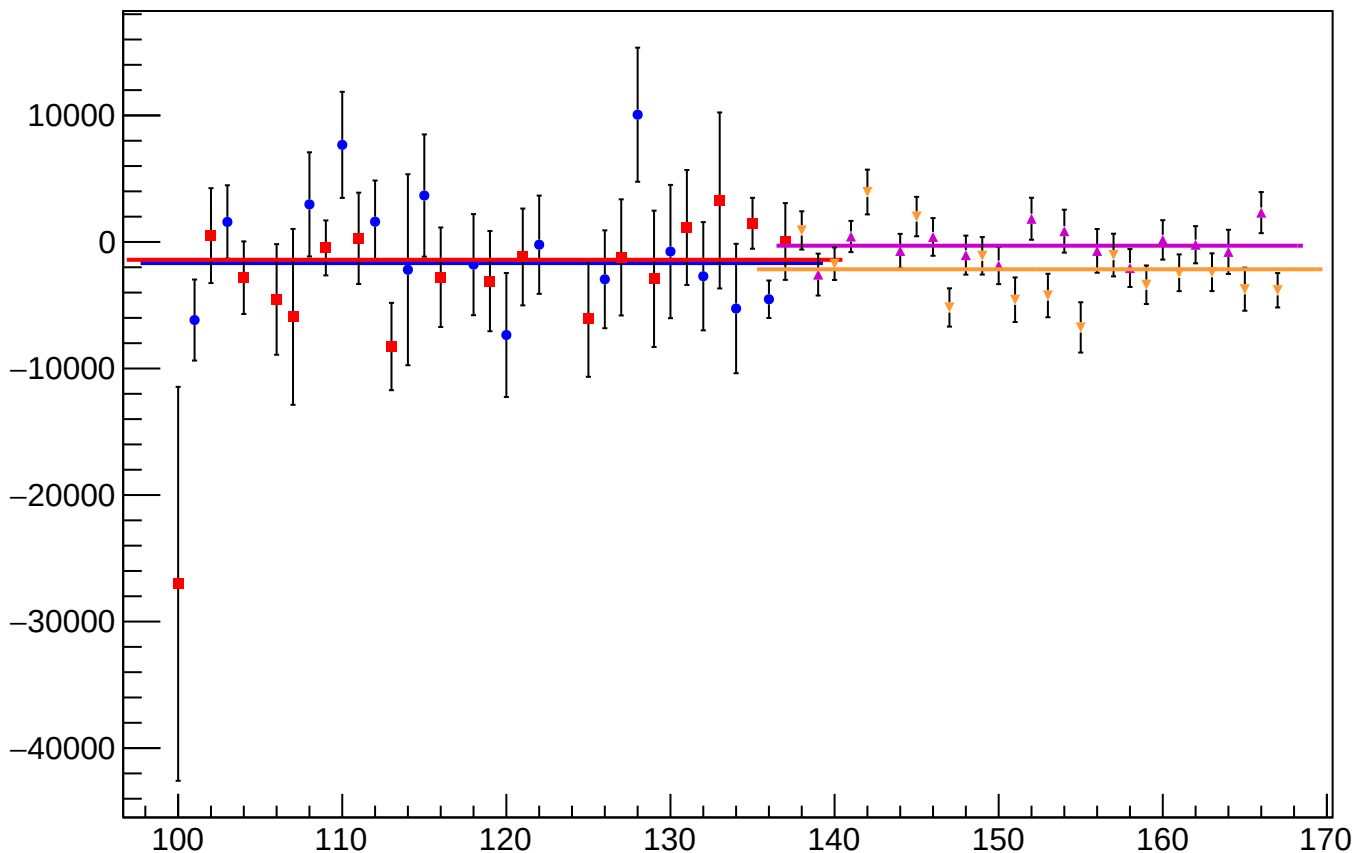
Left In: 2192.445 $\pm$ 0.456 χ^2/NDF : 28110.9/13

+ sign 2159.206 $\pm$ 0.351 χ^2/NDF : 231589.9/30

All: 2156.317 $\pm$ 0.249 χ^2/NDF : 427344.1/62

- sign 2153.398 $\pm$ 0.353 χ^2/NDF : 195617.8/31

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: -2159.125 ± 402.447 χ^2/NDF : 40.0/14

Right Out: -1407.975 ± 847.068 χ^2/NDF : 13.0/17

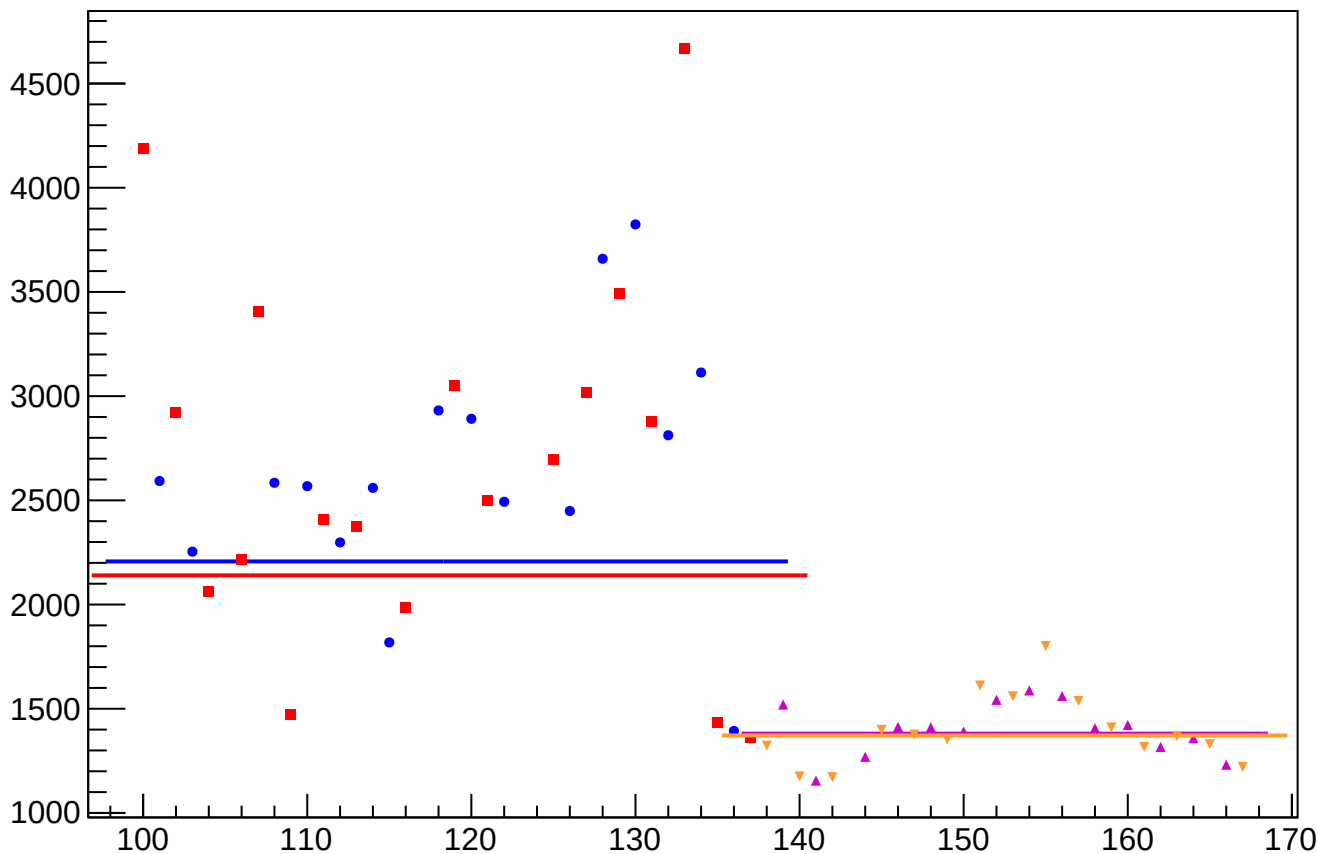
Left In: -295.243 ± 408.856 χ^2/NDF : 10.2/13

+ sign -2071.339 ± 364.671 χ^2/NDF : 62.7/30

All: -1295.975 ± 259.103 χ^2/NDF : 96.5/62

- sign -505.496 ± 368.208 χ^2/NDF : 24.6/31

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: 1371.718 $\pm$ 0.285 χ^2 /NDF: 279036.8/14

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

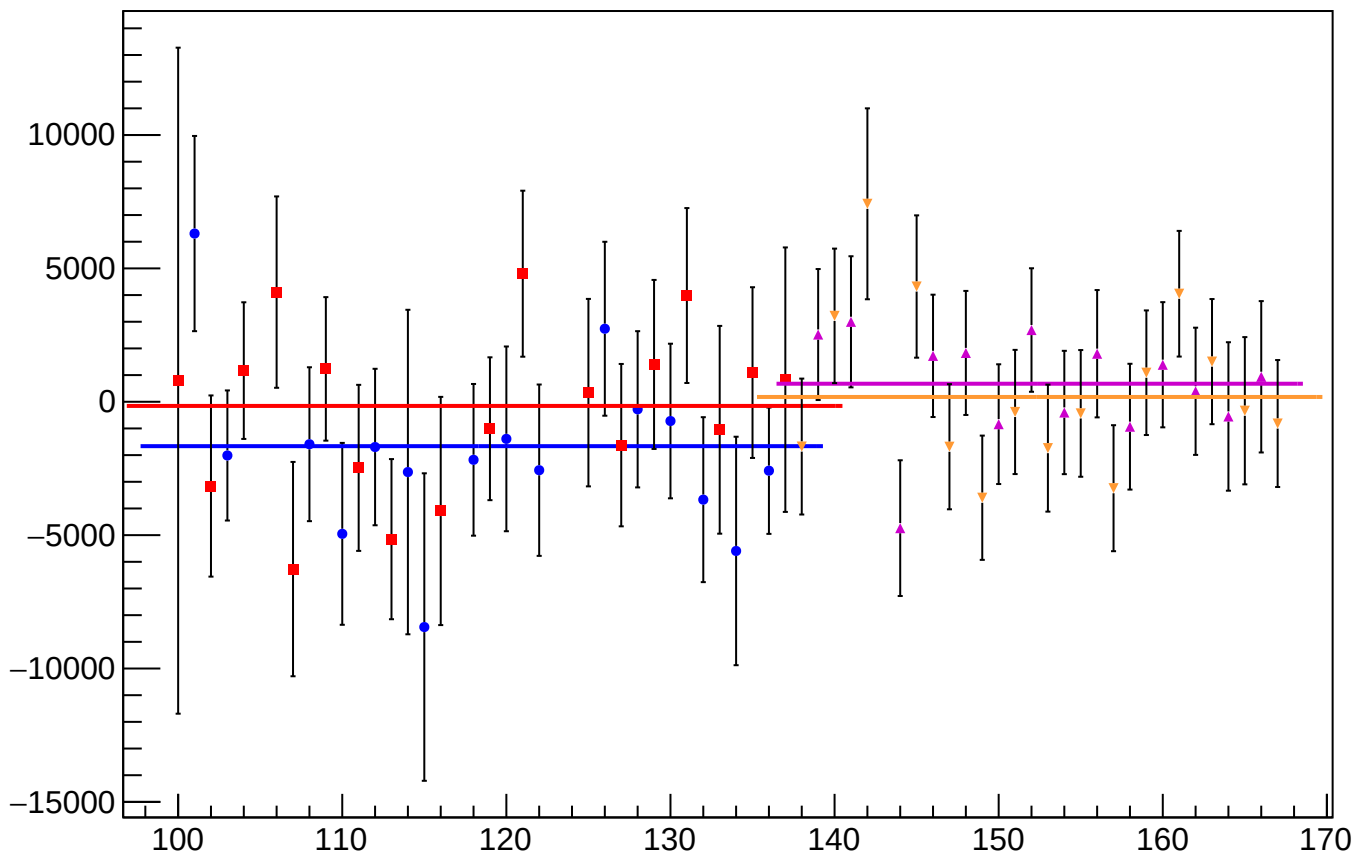
Left In: 1380.635 $\pm$ 0.289 χ^2 /NDF: 190244.1/13

+ sign 1521.152 $\pm$ 0.258 χ^2 /NDF: 3069246.0/30

All: 1522.627 $\pm$ 0.183 χ^2 /NDF: 6011716.8/62

- sign 1524.130 $\pm$ 0.260 χ^2 /NDF: 2942404.8/31

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: 180.128 ± 636.749 χ^2/NDF : 18.0/14

Right Out: -155.775 ± 785.481 χ^2/NDF : 14.2/17

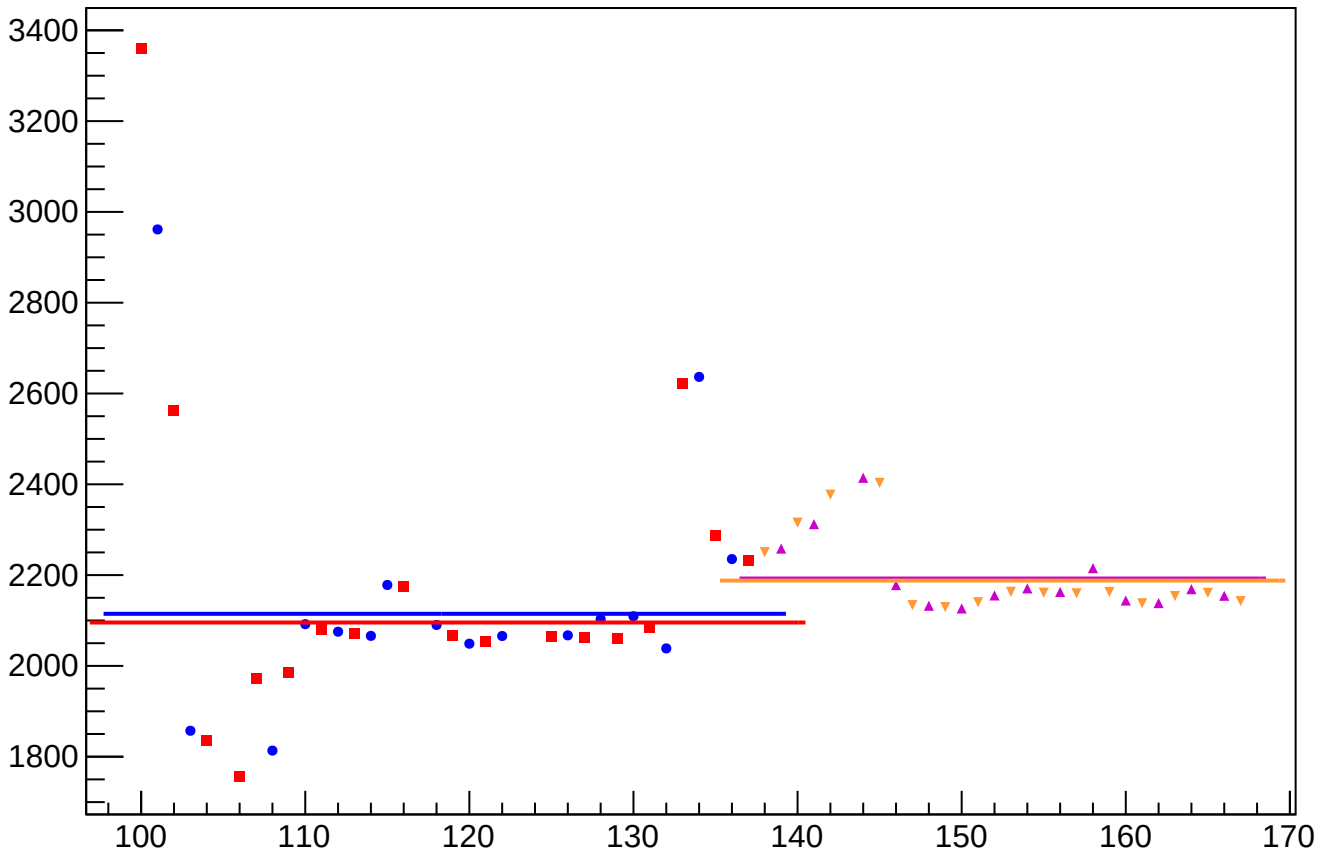
Left In: 676.536 ± 645.587 χ^2/NDF : 8.9/13

+ sign -543.797 ± 496.294 χ^2/NDF : 32.1/30

All: -103.593 ± 351.797 χ^2/NDF : 57.4/62

- sign 340.973 ± 498.747 χ^2/NDF : 23.7/31

eigen_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: 2187.927 $\pm$ 0.450 χ^2/NDF : 31302.5/14

+ sign 2159.206 $\pm$ 0.351 χ^2/NDF : 231589.9/30

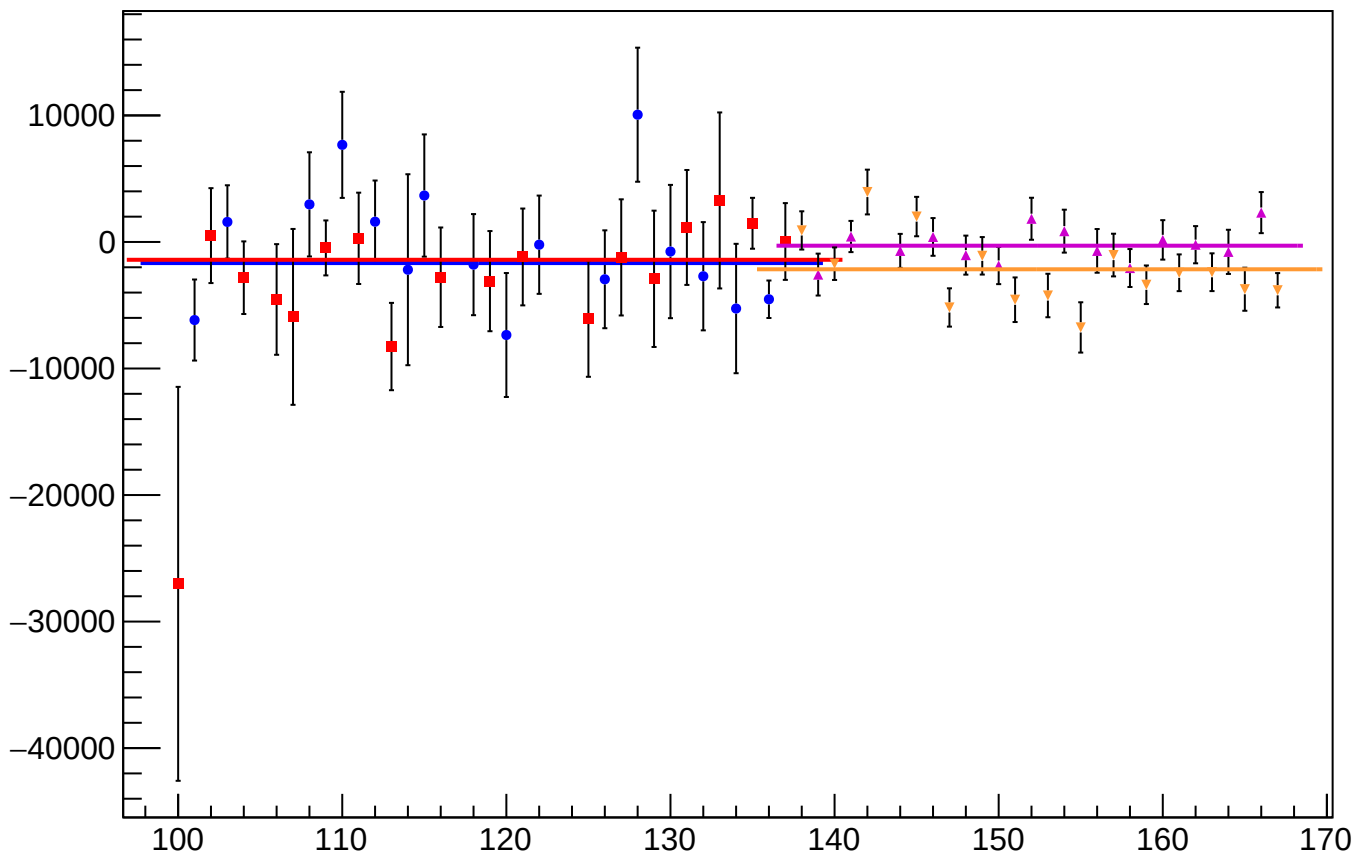
Right Out: 2095.597 $\pm$ 0.555 χ^2/NDF : 149360.5/17

All: 2156.317 $\pm$ 0.249 χ^2/NDF : 427344.1/62

Left In: 2192.445 $\pm$ 0.456 χ^2/NDF : 28110.9/13

- sign 2153.398 $\pm$ 0.353 χ^2/NDF : 195617.8/31

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: -2159.125 ± 402.447 χ^2/NDF : 40.0/14

Right Out: -1407.975 ± 847.068 χ^2/NDF : 13.0/17

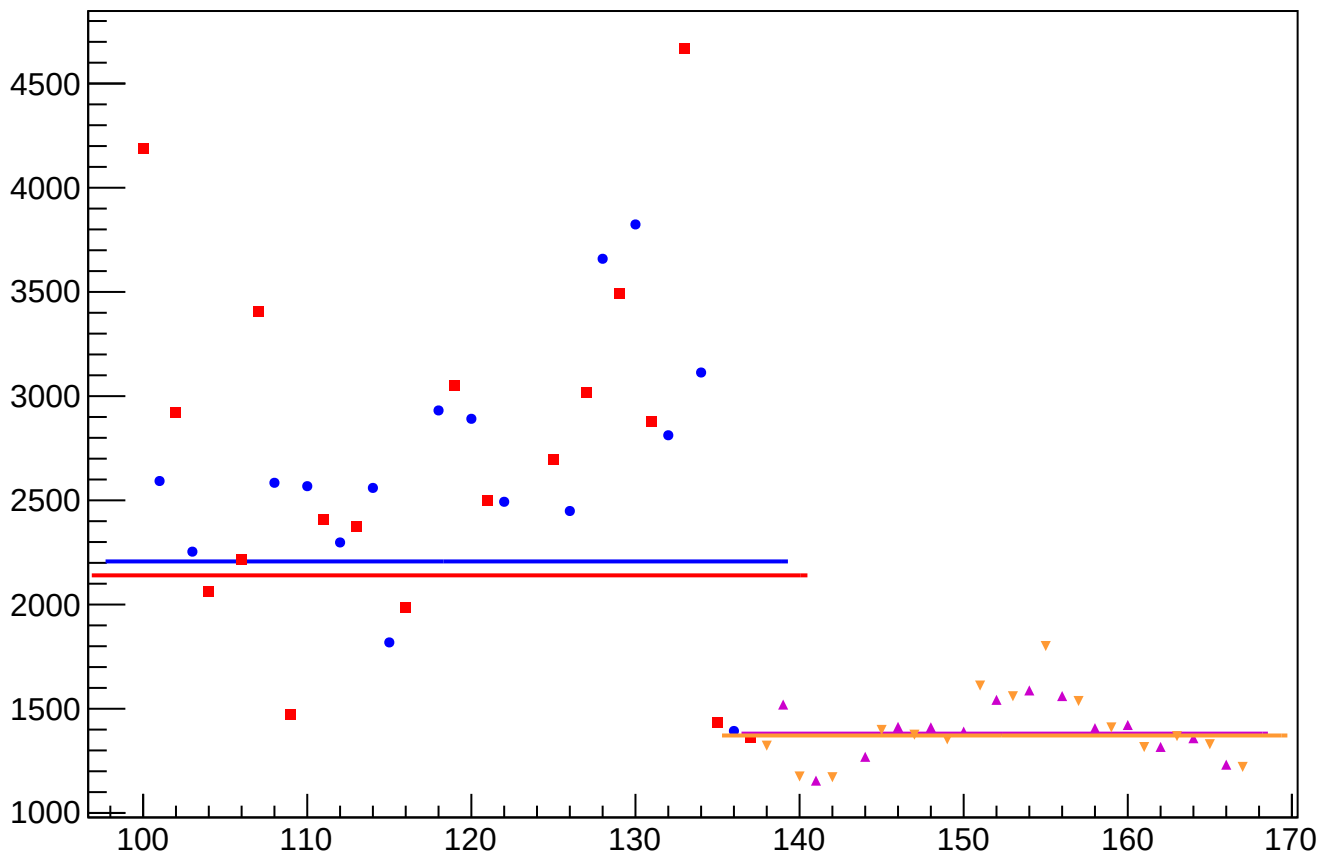
Left In: -295.243 ± 408.856 χ^2/NDF : 10.2/13

+ sign -2071.339 ± 364.671 χ^2/NDF : 62.7/30

All: -1295.975 ± 259.103 χ^2/NDF : 96.5/62

- sign -505.496 ± 368.208 χ^2/NDF : 24.6/31

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF : 1249024.4/15

Left Out: 1371.718+/-0.285 χ^2/NDF : 279036.8/14

Right Out: 2140.060+/-0.599 χ^2/NDF : 1448366.8/17

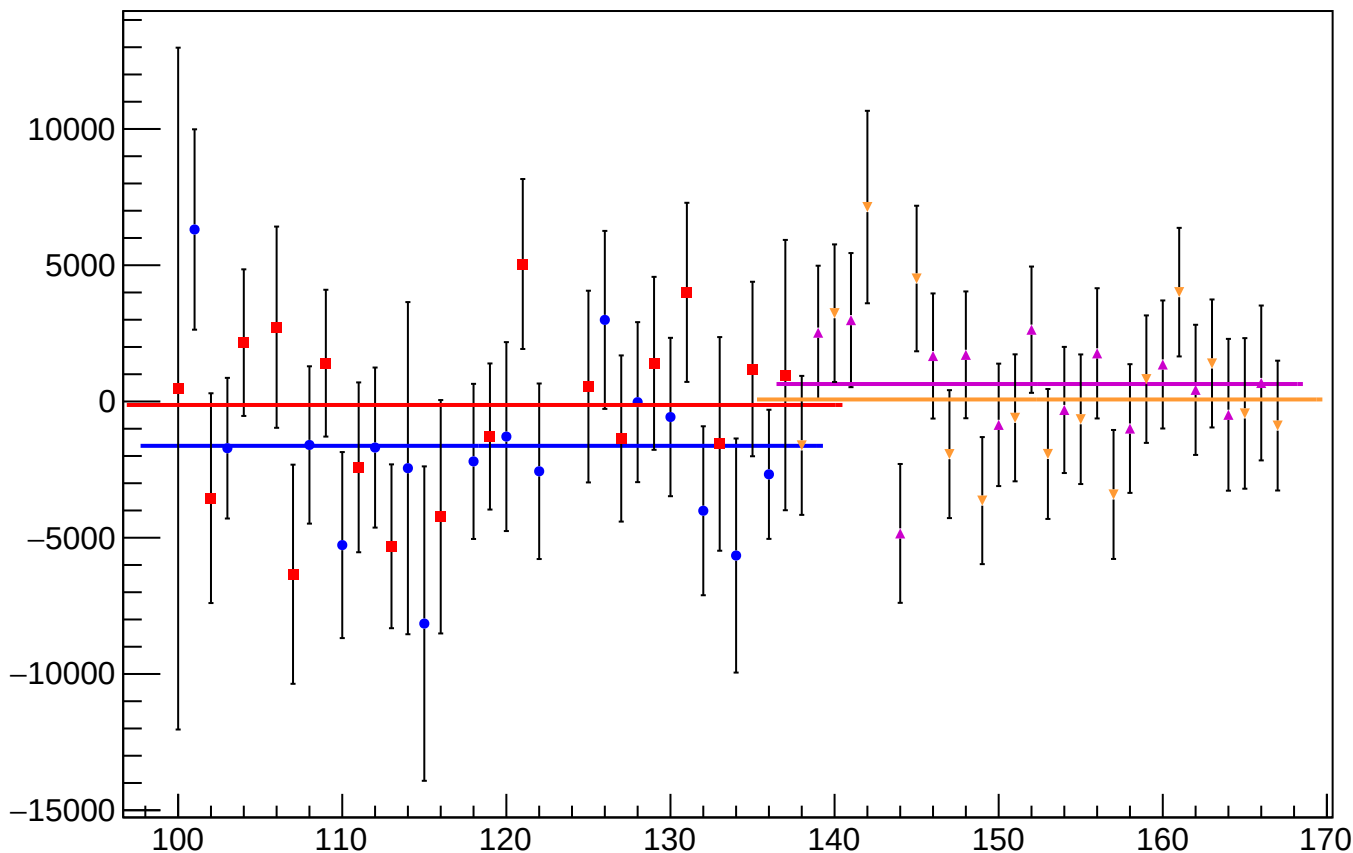
Left In: 1380.635+/-0.289 χ^2/NDF : 190244.1/13

+ sign 1521.152+/-0.258 χ^2/NDF : 3069246.0/30

All: 1522.627+/-0.183 χ^2/NDF : 6011716.8/62

- sign 1524.130+/-0.260 χ^2/NDF : 2942404.8/31

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635 $\pm$ 797.966 χ^2/NDF : 11.3/15

Left Out: 73.976 $\pm$ 637.201 χ^2/NDF : 18.5/14

Right Out: -128.099 $\pm$ 795.899 χ^2/NDF : 14.6/17

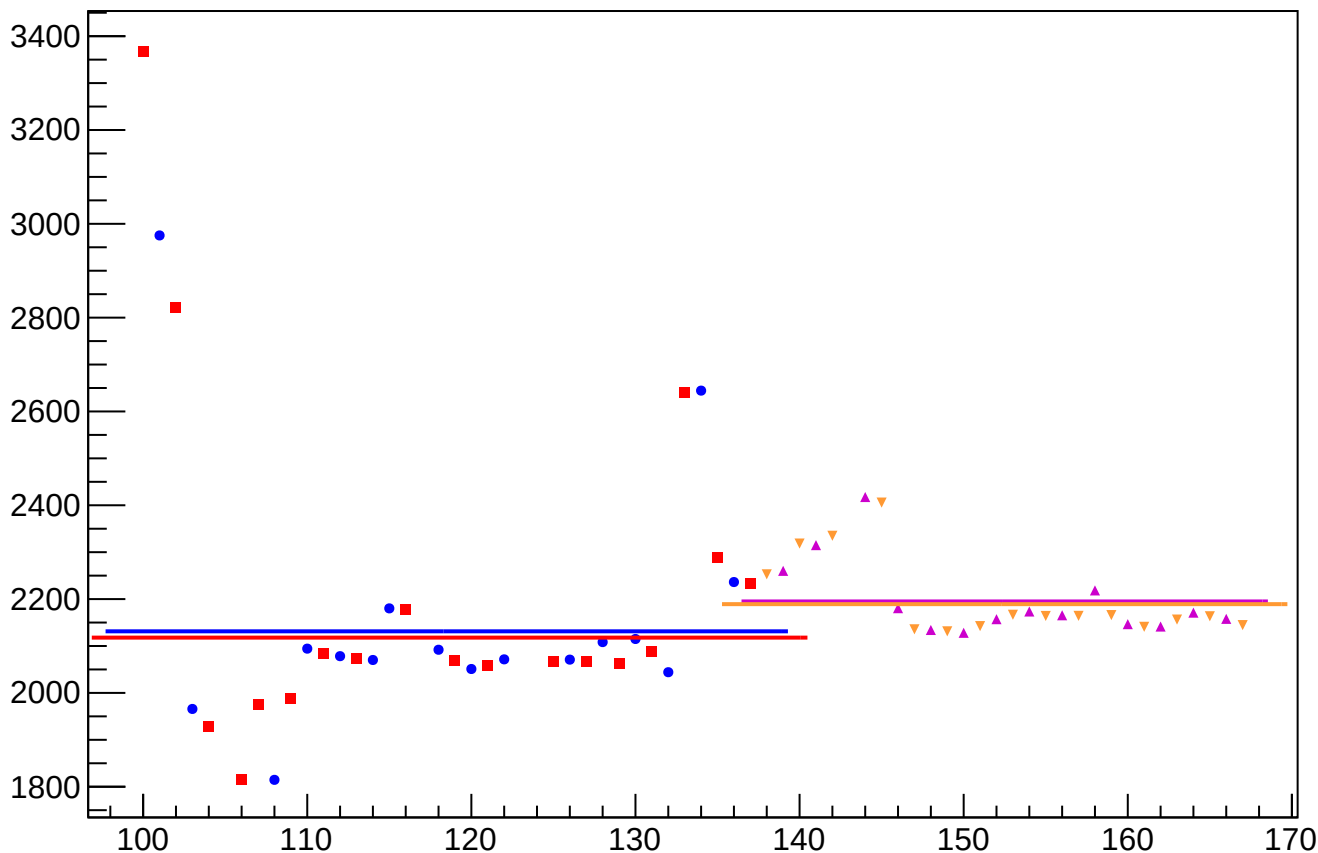
Left In: 640.846 $\pm$ 646.332 χ^2/NDF : 8.9/13

+ sign -588.579 $\pm$ 497.927 χ^2/NDF : 32.6/30

All: -130.171 $\pm$ 353.425 χ^2/NDF : 58.3/62

- sign 335.269 $\pm$ 501.731 χ^2/NDF : 24.0/31

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: 2189.213 $\pm$ 0.451 χ^2/NDF : 29053.8/14

Right Out: 2117.868 $\pm$ 0.563 χ^2/NDF : 163622.7/17

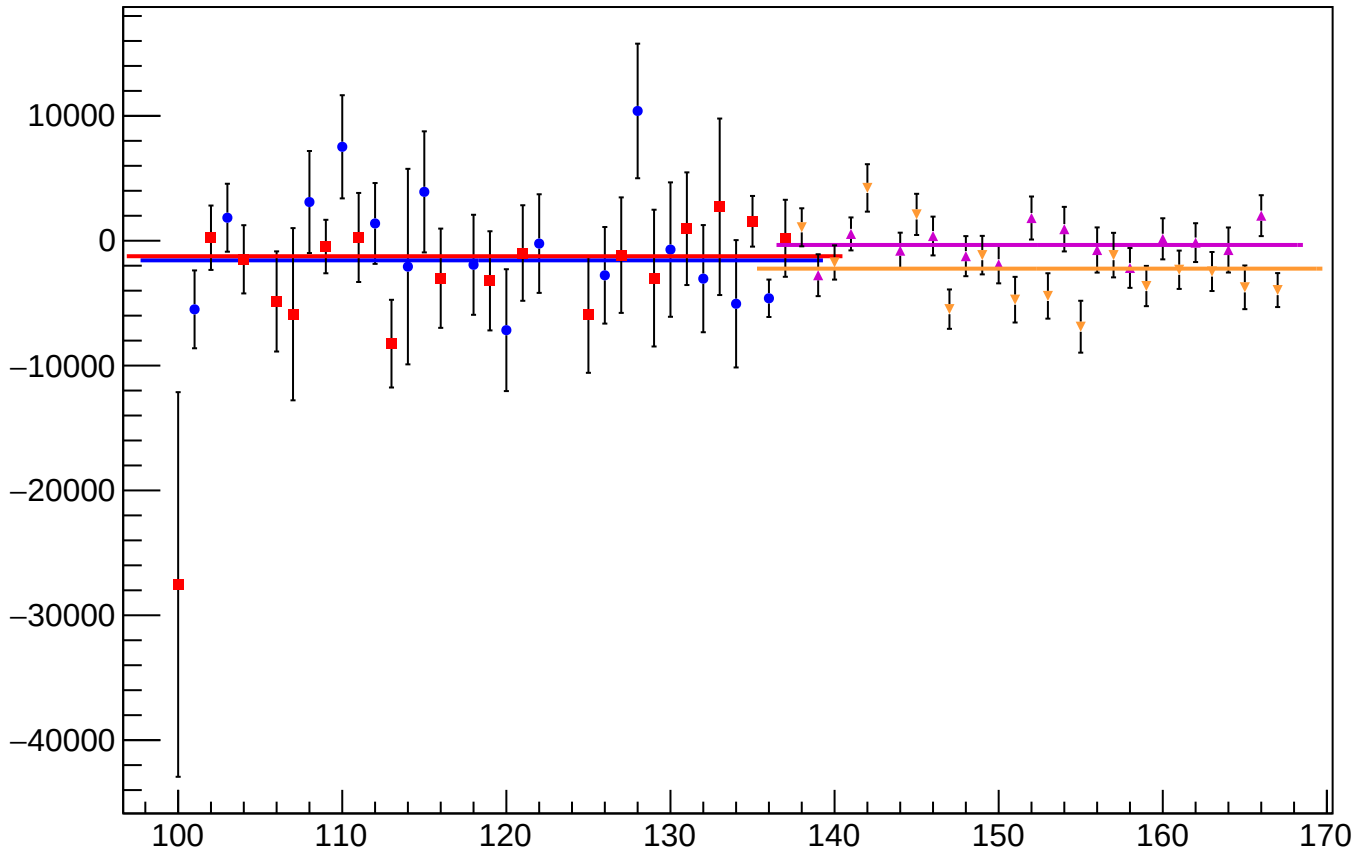
Left In: 2194.967 $\pm$ 0.457 χ^2/NDF : 28197.8/13

+ sign 2166.663 $\pm$ 0.352 χ^2/NDF : 211430.2/30

All: 2165.504 $\pm$ 0.250 χ^2/NDF : 414582.2/62

- sign 2164.328 $\pm$ 0.355 χ^2/NDF : 203130.1/31

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: -2236.033 $\pm$ 420.252 χ^2 /NDF: 39.9/14

Right Out: -1241.008 $\pm$ 819.775 χ^2 /NDF: 13.1/17

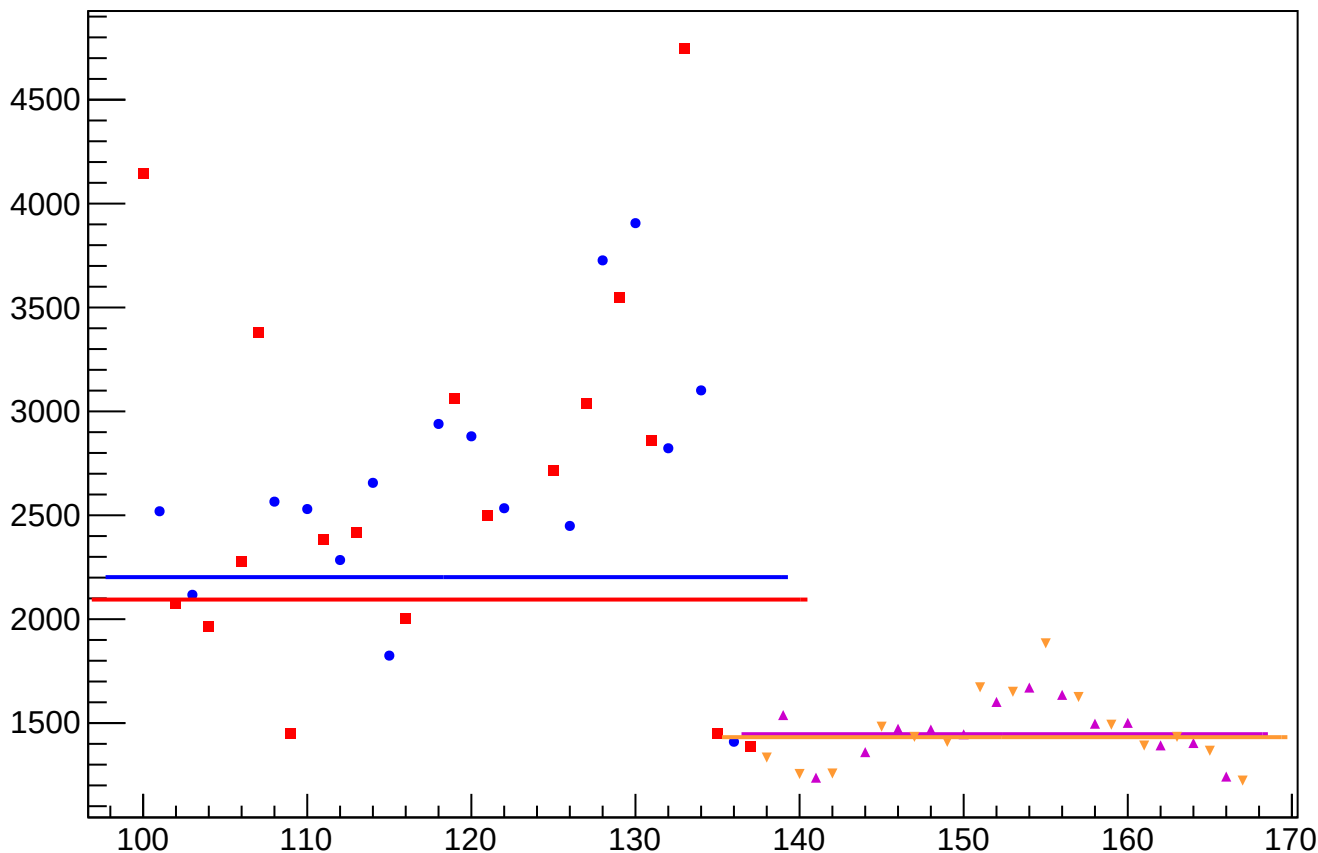
Left In: -339.117 $\pm$ 428.148 χ^2 /NDF: 9.8/13

+ sign -2107.794 $\pm$ 377.560 χ^2 /NDF: 63.0/30

All: -1324.148 $\pm$ 267.661 χ^2 /NDF: 95.5/62

- sign -532.404 $\pm$ 379.506 χ^2 /NDF: 23.9/31

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF : 1222965.0/15

Left Out: 1432.186+/-0.297 χ^2/NDF : 296211.5/14

Right Out: 2094.445+/-0.580 χ^2/NDF : 1373676.8/17

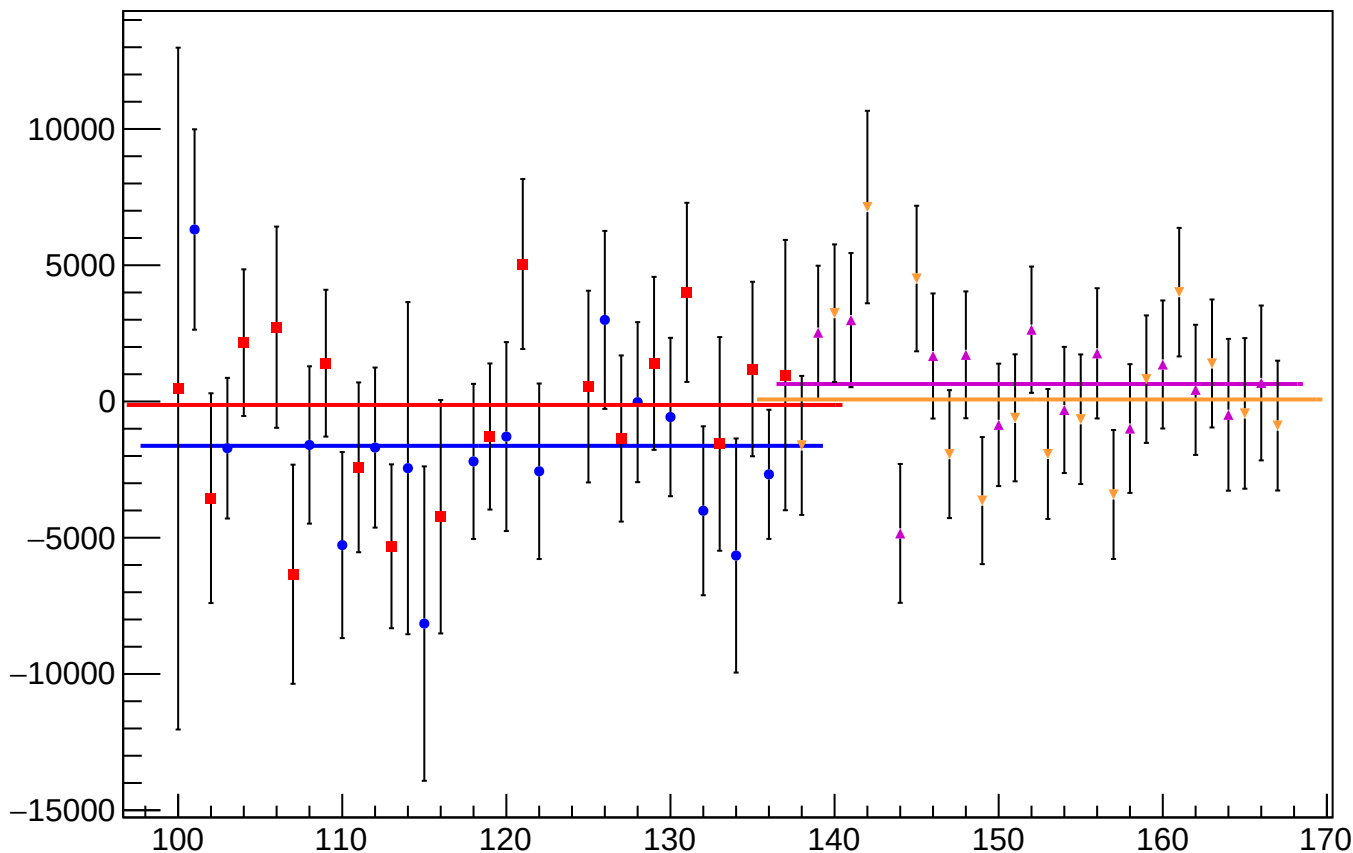
Left In: 1446.508+/-0.303 χ^2/NDF : 172891.9/13

+ sign 1580.719+/-0.267 χ^2/NDF : 2814664.8/30

All: 1583.032+/-0.189 χ^2/NDF : 5343034.3/62

- sign 1585.369+/-0.268 χ^2/NDF : 2528218.7/31

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.637 $\pm$ 797.966 χ^2 /NDF: 11.3/15

Left Out: 73.980 $\pm$ 637.201 χ^2 /NDF:18.5/14

Right Out: -128.093 $\pm$ 795.899 χ^2 /NDF: 14.6/17

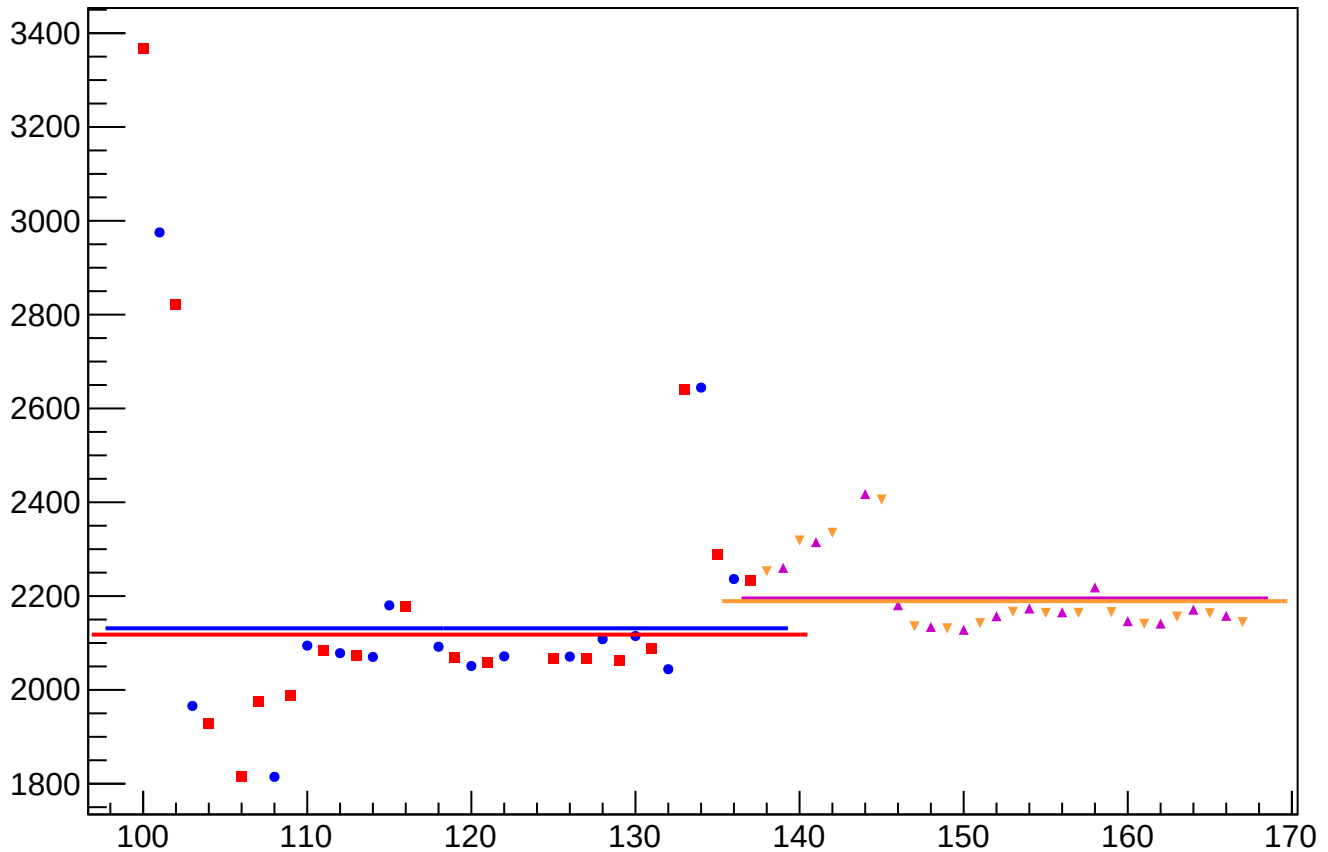
Left In: 640.846 $\pm$ 646.332 χ^2 /NDF:8.9/13

+ sign -588.578 $\pm$ 497.927 χ^2 /NDF: 32.6/30

All: -130.169 $\pm$ 353.425 χ^2 /NDF: 58.3/62

- sign 335.271 $\pm$ 501.731 χ^2 /NDF: 24.0/31

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: 2189.213 $\pm$ 0.451 χ^2 /NDF: 29053.9/14

+ sign 2166.663 $\pm$ 0.352 χ^2 /NDF: 211430.3/30

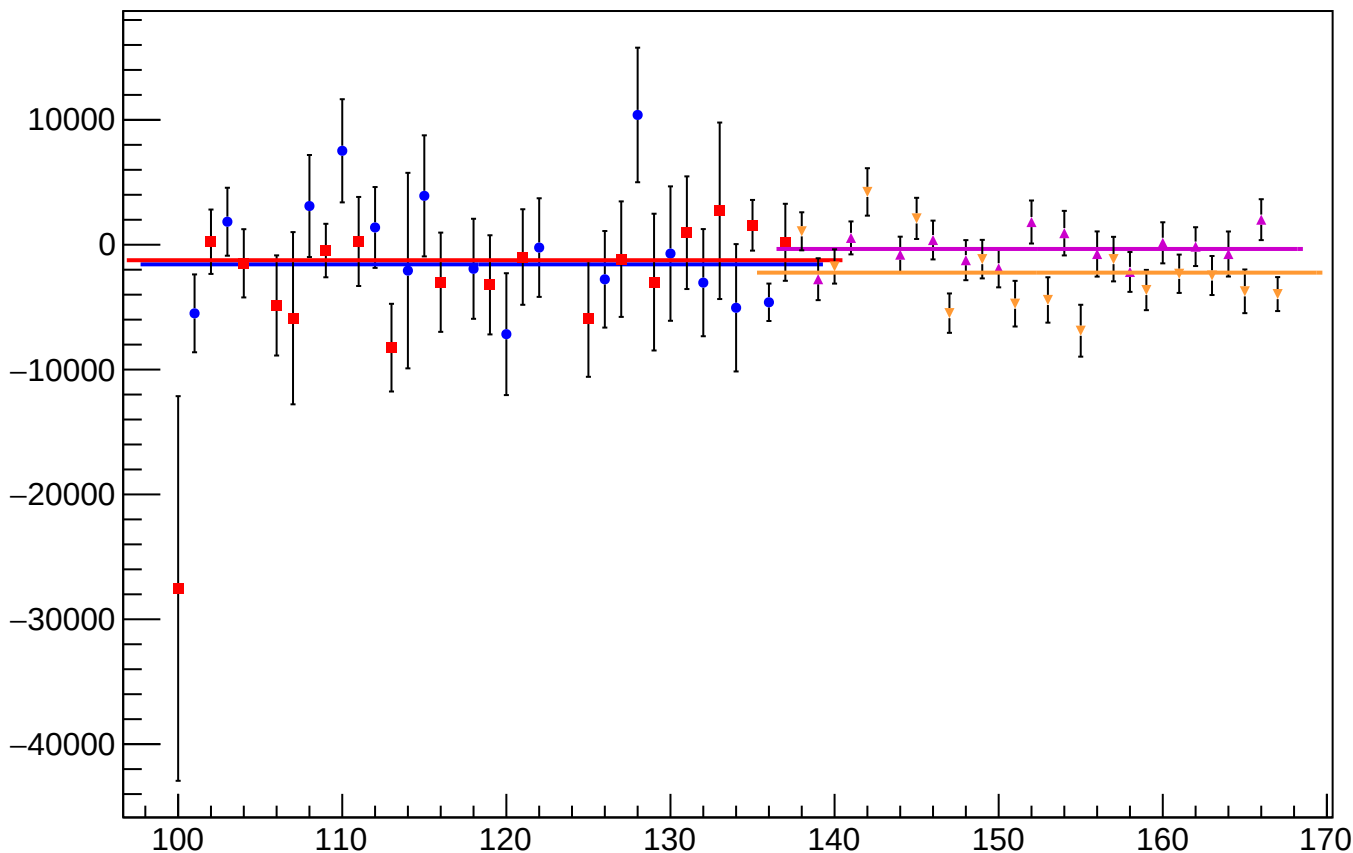
Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.6/17

All: 2165.504 $\pm$ 0.250 χ^2 /NDF: 414582.2/62

- sign 2164.328 $\pm$ 0.355 χ^2 /NDF: 203130.1/31

Left In: 2194.967 $\pm$ 0.457 χ^2 /NDF: 28197.8/13

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: -2236.043 $\pm$ 420.252 χ^2 /NDF:39.9/14

Right Out: -1241.023 $\pm$ 819.778 χ^2 /NDF: 13.1/17

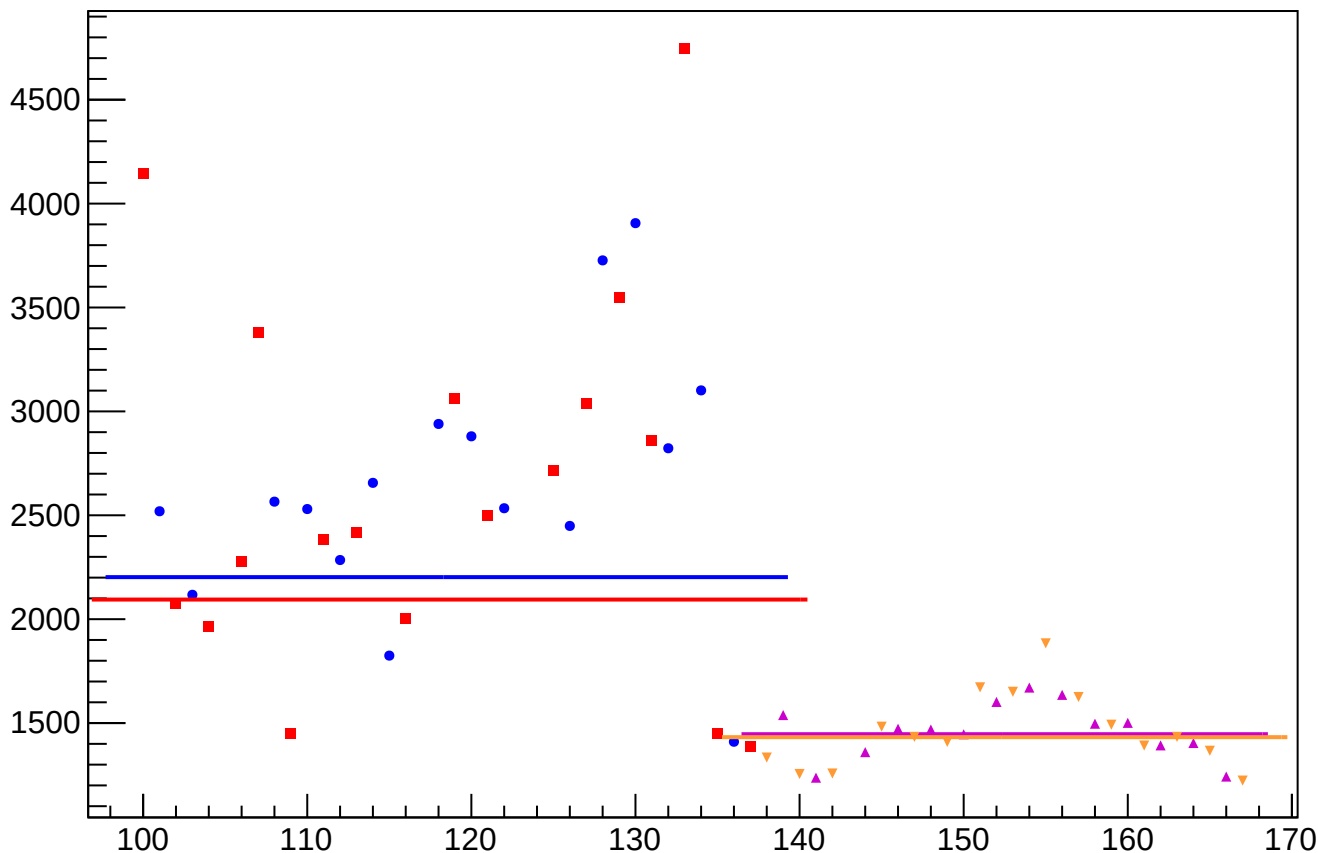
Left In: -339.114 $\pm$ 428.148 χ^2 /NDF:9.8/13

+ sign -2107.800 $\pm$ 377.561 χ^2 /NDF: 63.0/30

All: -1324.149 $\pm$ 267.661 χ^2 /NDF: 95.5/62

- sign -532.403 $\pm$ 379.506 χ^2 /NDF: 23.9/31

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: 1432.188+/-0.297 χ^2/NDF : 296204.5/14

Right Out: 2094.457+/-0.580 χ^2/NDF : 1373629.6/17

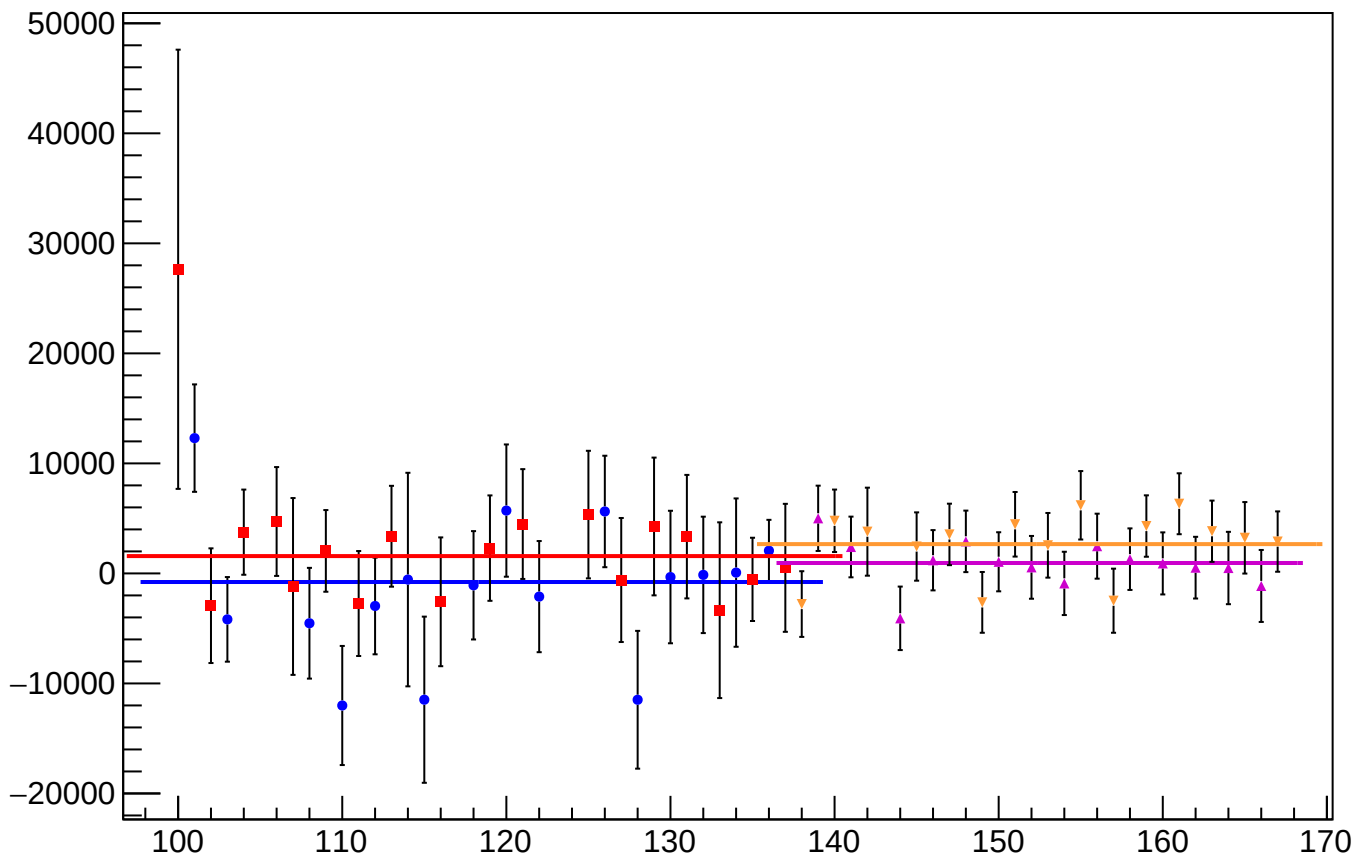
Left In: 1446.507+/-0.303 χ^2/NDF : 172895.4/13

+ sign 1580.722+/-0.267 χ^2/NDF : 2814626.6/30

All: 1583.034+/-0.189 χ^2/NDF : 5342983.6/62

- sign 1585.370+/-0.268 χ^2/NDF : 2528206.3/31

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF : 21.9/15

Left Out: 2662.529+/-760.217 χ^2/NDF : 14.8/14

Right Out: 1574.673+/-1218.961 χ^2/NDF : 6.7/17

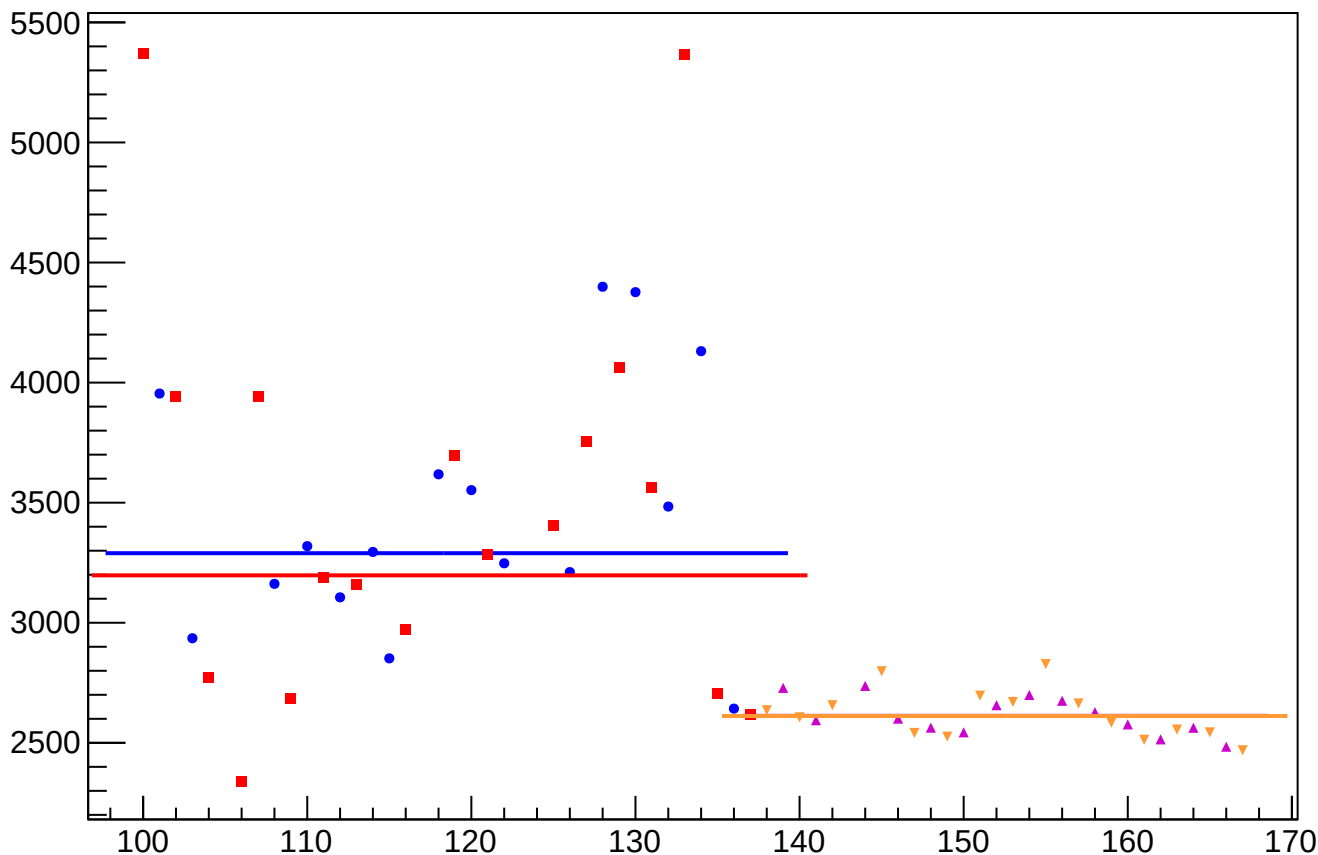
Left In: 946.533+/-769.224 χ^2/NDF : 6.9/13

+ sign 1723.527+/-648.355 χ^2/NDF : 42.3/30

All: 1425.479+/-459.222 χ^2/NDF : 56.5/62

- sign 1125.431+/-650.526 χ^2/NDF : 13.8/31

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF : 347594.0/15

Left Out: 2611.586+/-0.538 χ^2/NDF : 33437.0/14

Right Out: 3197.375+/-0.862 χ^2/NDF : 499934.1/17

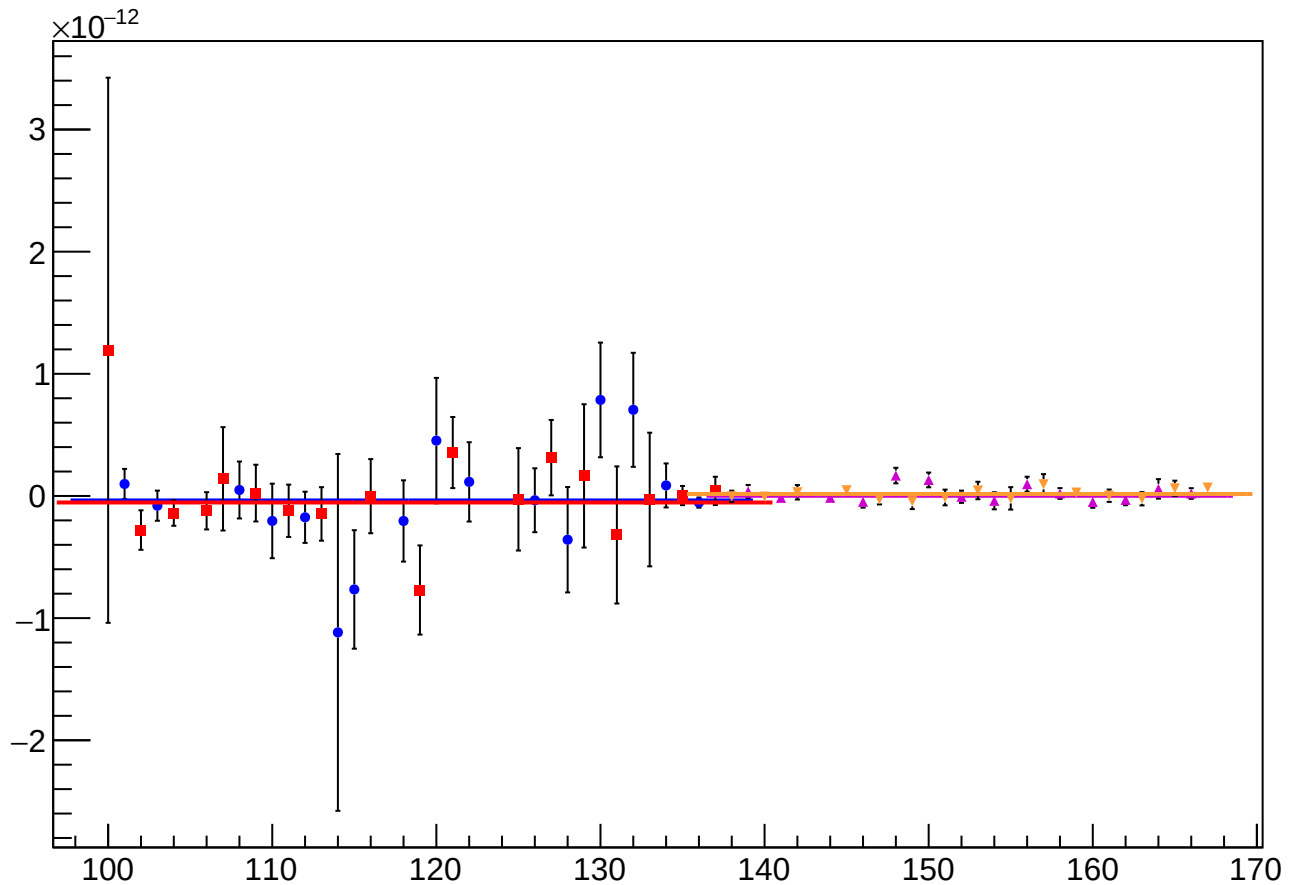
Left In: 2612.402+/-0.544 χ^2/NDF : 18440.9/13

+ sign 2796.463+/-0.458 χ^2/NDF : 814874.3/30

All: 2787.765+/-0.325 χ^2/NDF : 1663395.5/62

- sign 2779.010+/-0.460 χ^2/NDF : 847799.0/31

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 : 7.8/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.6/17

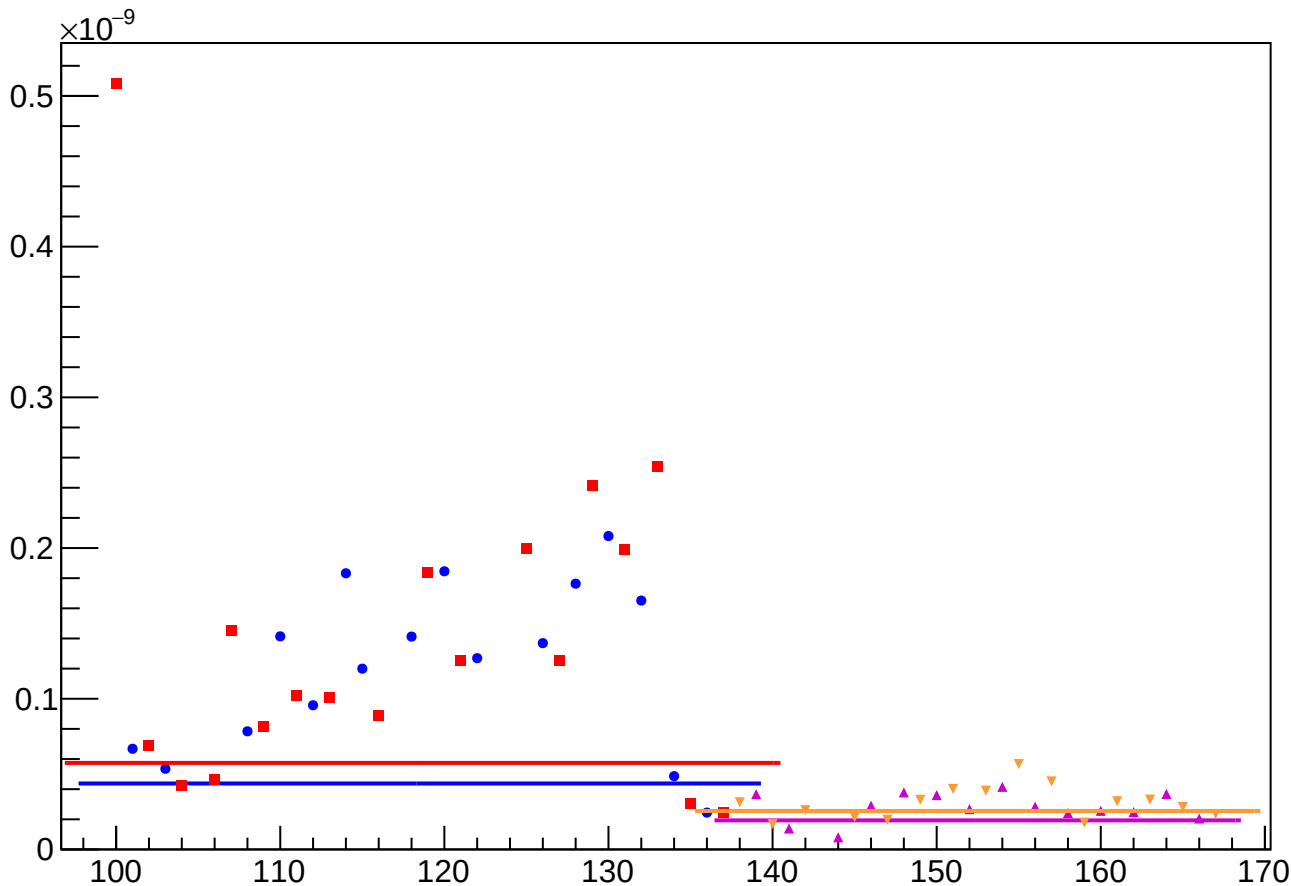
Left In: 0.000 ± 0.000 χ^2/NDF : 19.4/13

+ sign 0.000 ± 0.000 χ^2/NDF : 23.0/30

All: 0.000 ± 0.000 χ^2/NDF : 57.0/62

- sign -0.000 ± 0.000 χ^2/NDF : 33.5/31

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 : 966232.8/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2086696.1/17

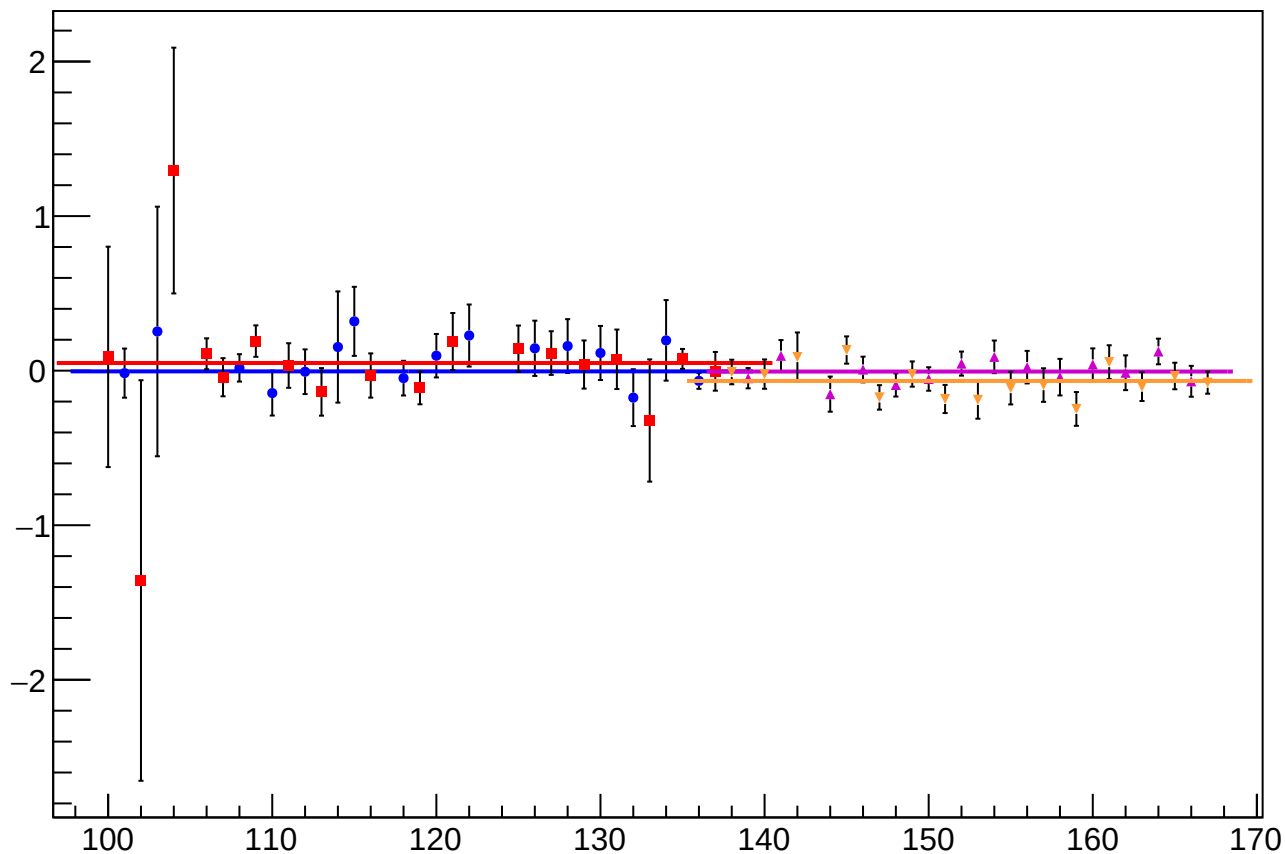
Left In: 0.000+/-0.000 χ^2/NDF : 1954179.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 3693529.9/30

All: 0.000+/-0.000 χ^2/NDF : 9494611.4/62

- sign 0.000+/-0.000 χ^2/NDF : 5497747.4/31

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: -0.067 ± 0.024 χ^2/NDF : 16.1/14

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

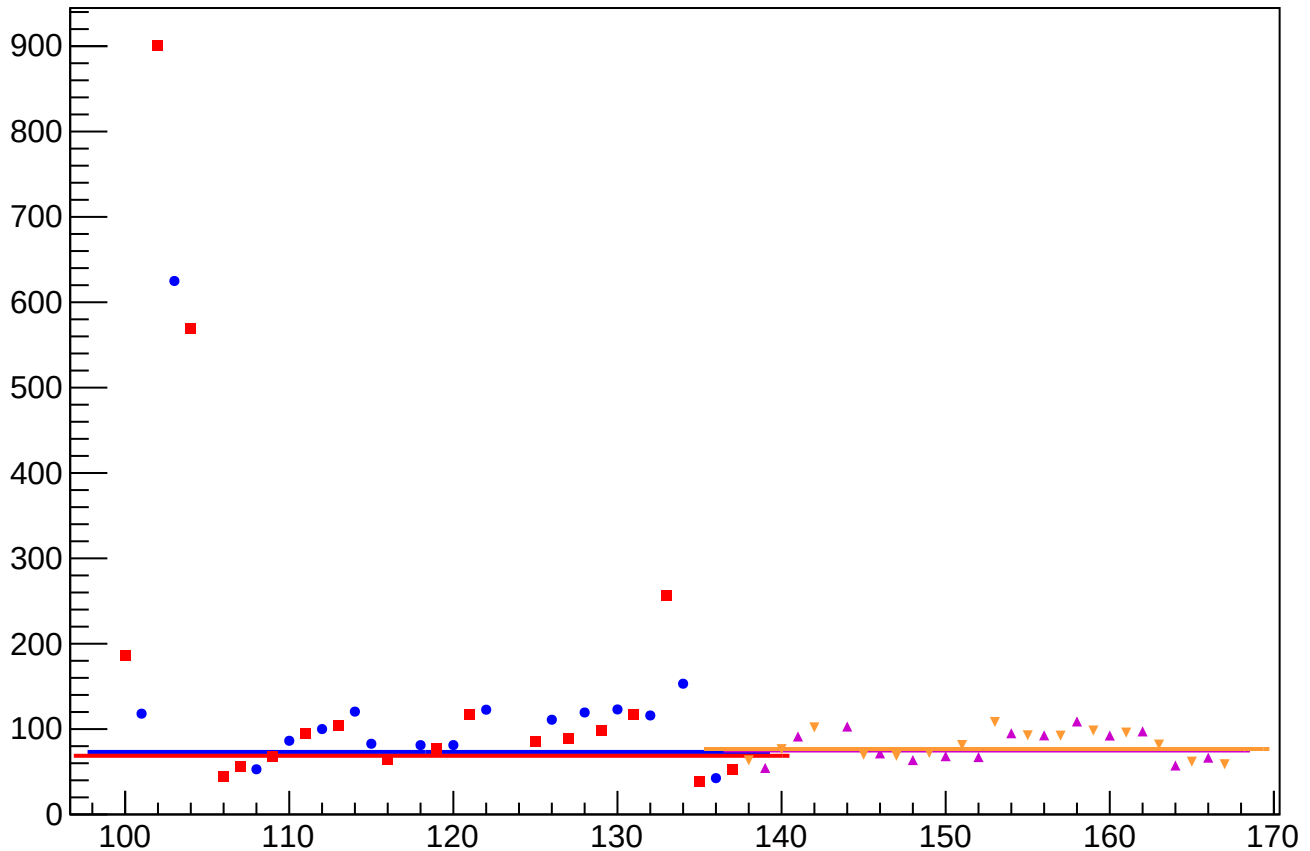
Left In: -0.006 ± 0.024 χ^2/NDF : 9.3/13

+ sign -0.044 ± 0.019 χ^2/NDF : 28.8/30

All: -0.015 ± 0.014 χ^2/NDF : 57.8/62

- sign 0.014 ± 0.019 χ^2/NDF : 24.3/31

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: 76.659 $\pm$ 0.017 χ^2 /NDF: 702493.6/14

Right Out: 68.724 $\pm$ 0.022 χ^2 /NDF: 3331744.2/17

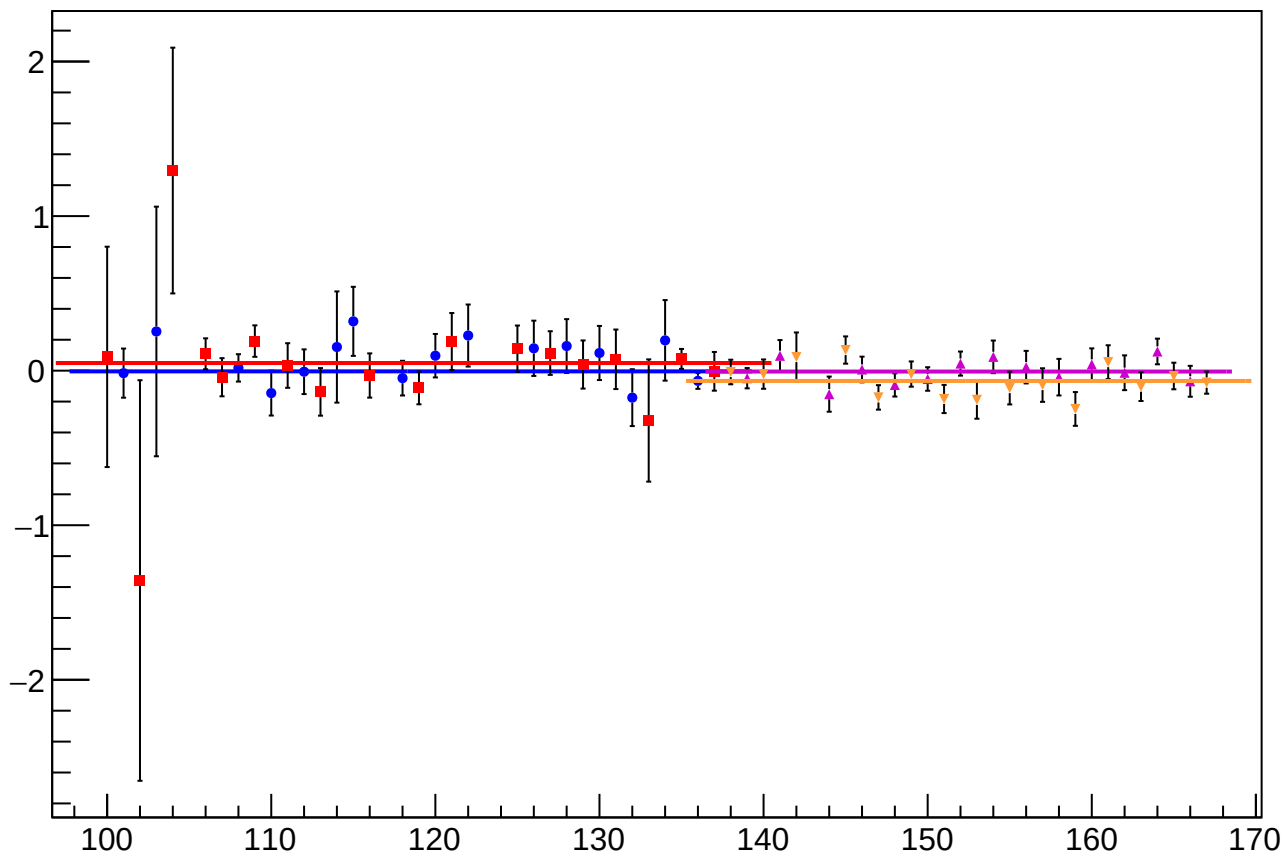
Left In: 74.913 $\pm$ 0.017 χ^2 /NDF: 985629.0/13

+ sign 75.431 $\pm$ 0.014 χ^2 /NDF: 3571576.7/30

All: 74.030 $\pm$ 0.010 χ^2 /NDF: 7958366.7/62

- sign 72.653 $\pm$ 0.014 χ^2 /NDF: 4365894.7/31

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: -0.067 ± 0.024 χ^2/NDF : 16.1/14

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

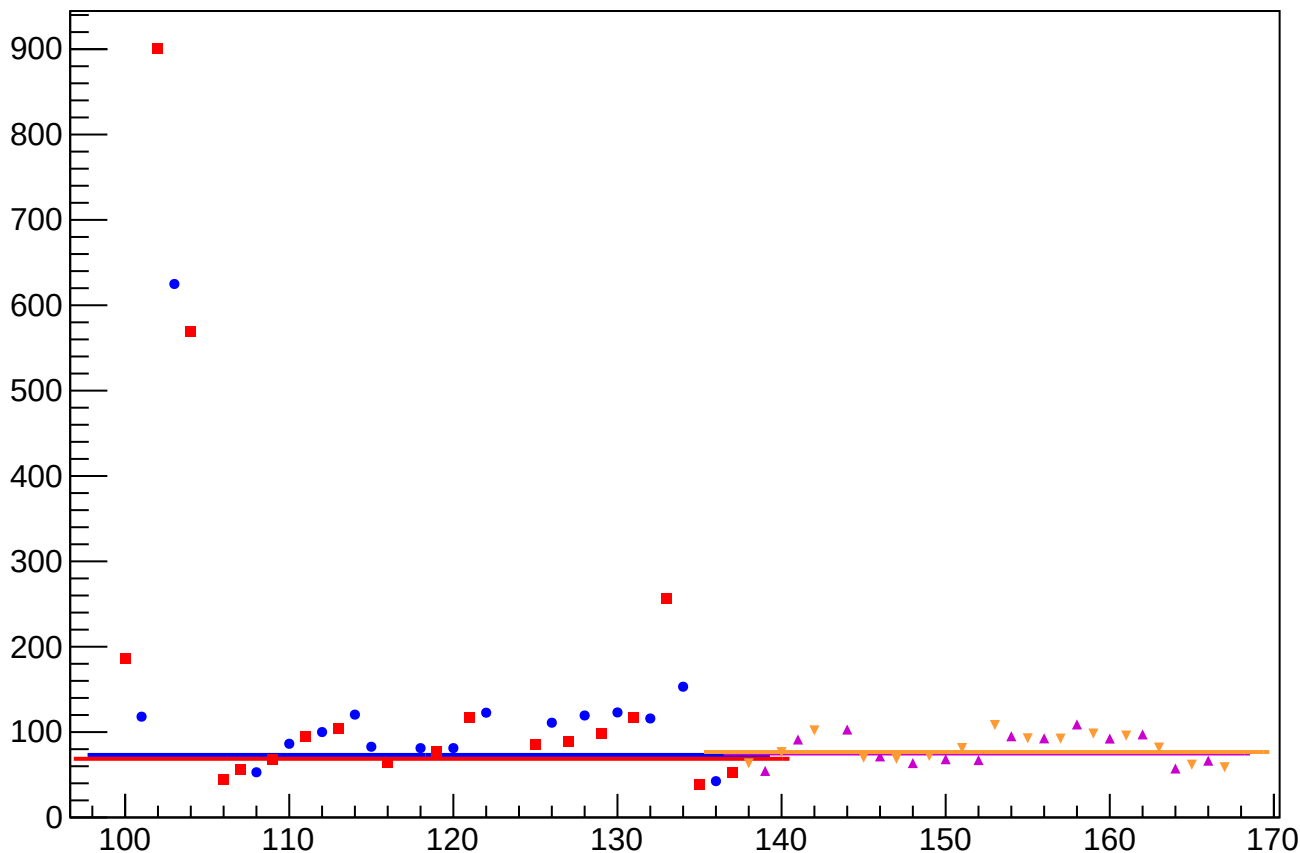
Left In: -0.006 ± 0.024 χ^2/NDF : 9.3/13

+ sign -0.044 ± 0.019 χ^2/NDF : 28.8/30

All: -0.015 ± 0.014 χ^2/NDF : 57.8/62

- sign 0.014 ± 0.019 χ^2/NDF : 24.3/31

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF : 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF : 702493.6/14

Right Out: 68.724+/-0.022 χ^2/NDF : 3331744.2/17

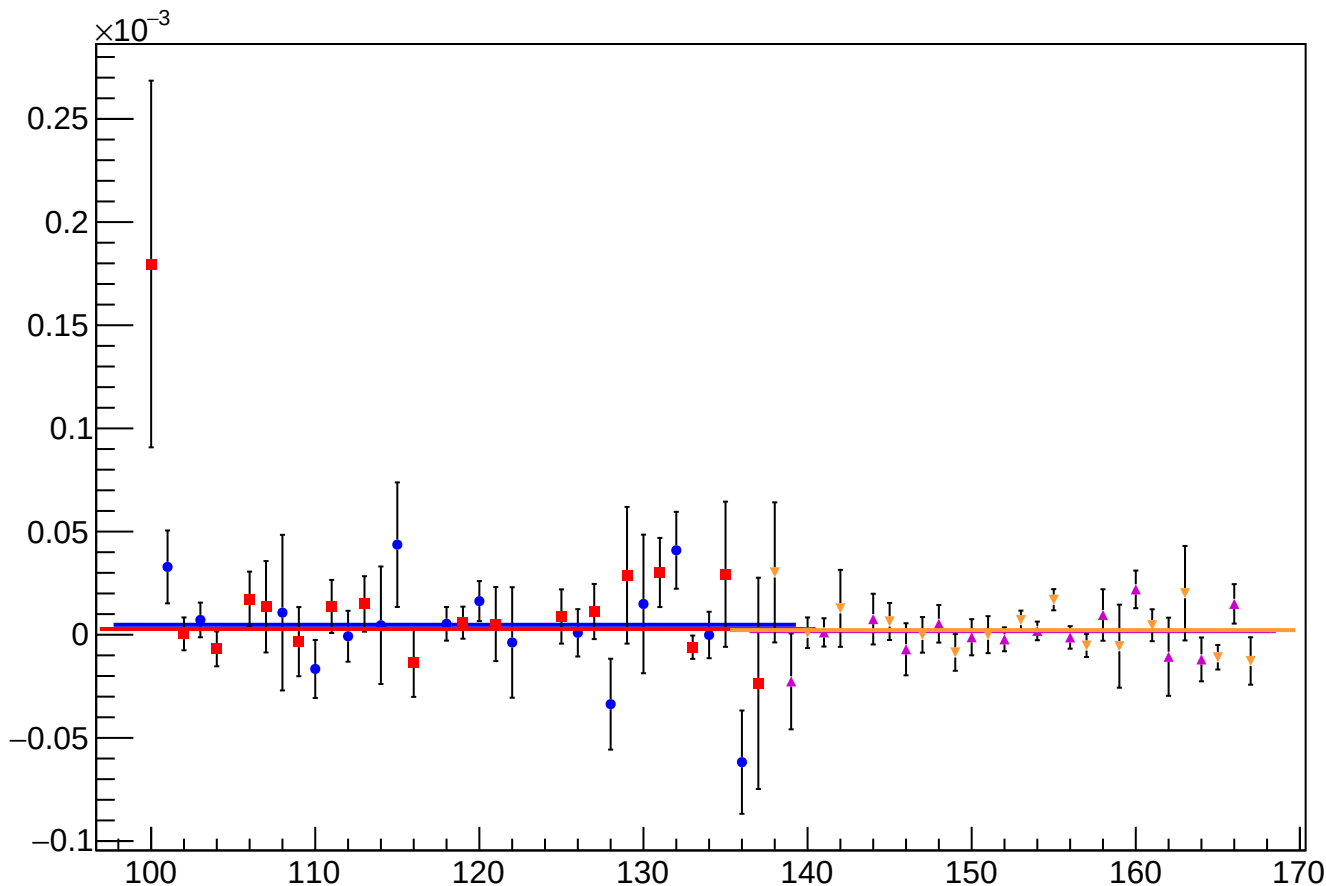
Left In: 74.913+/-0.017 χ^2/NDF : 985629.0/13

+ sign 75.431+/-0.014 χ^2/NDF : 3571576.7/30

All: 74.030+/-0.010 χ^2/NDF : 7958366.7/62

- sign 72.653+/-0.014 χ^2/NDF : 4365894.7/31

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:21.5/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/17

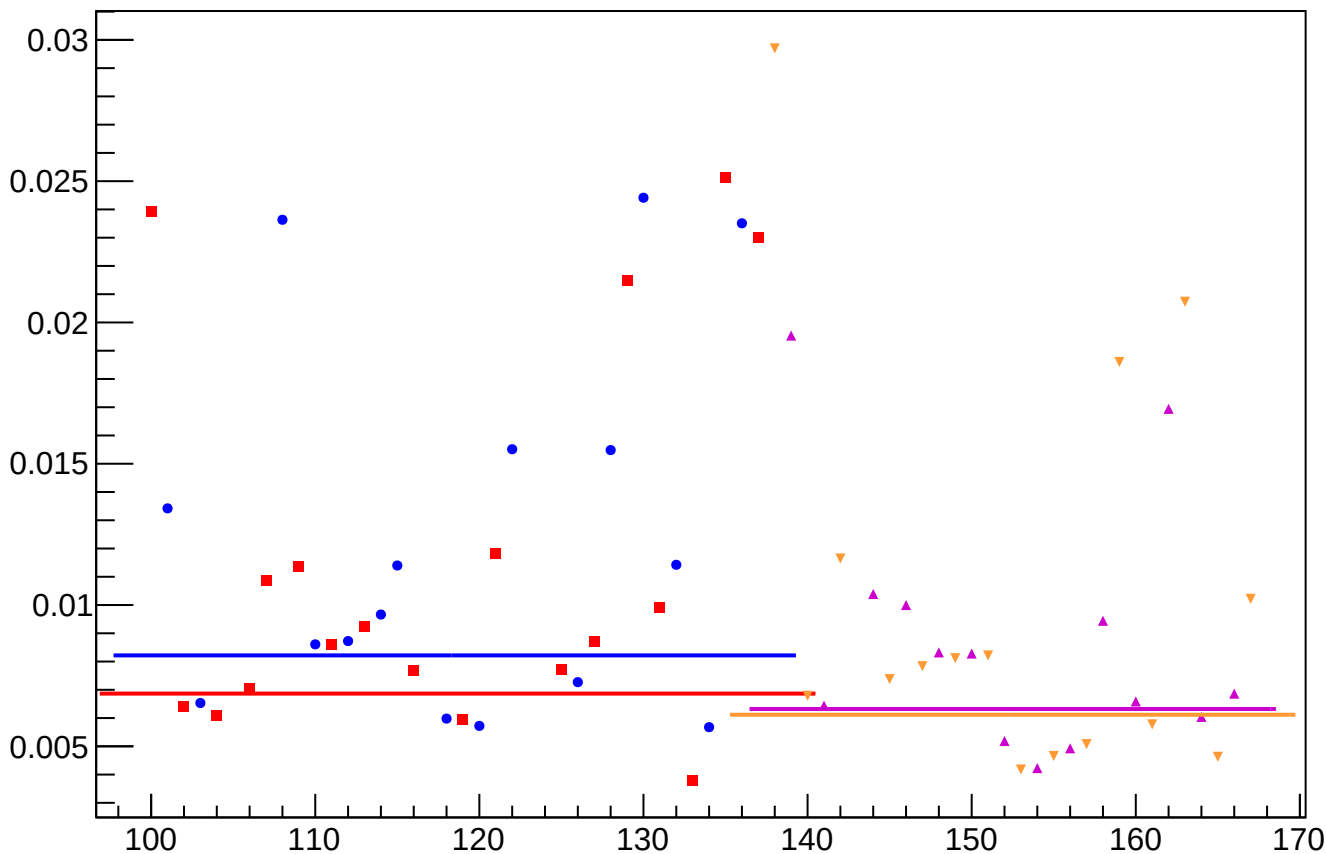
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:12.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.5/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 73.7/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.1/31

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: 0.006 $\pm$ 0.000 χ^2 /NDF: 4044718.2/14

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 2426444.0/17

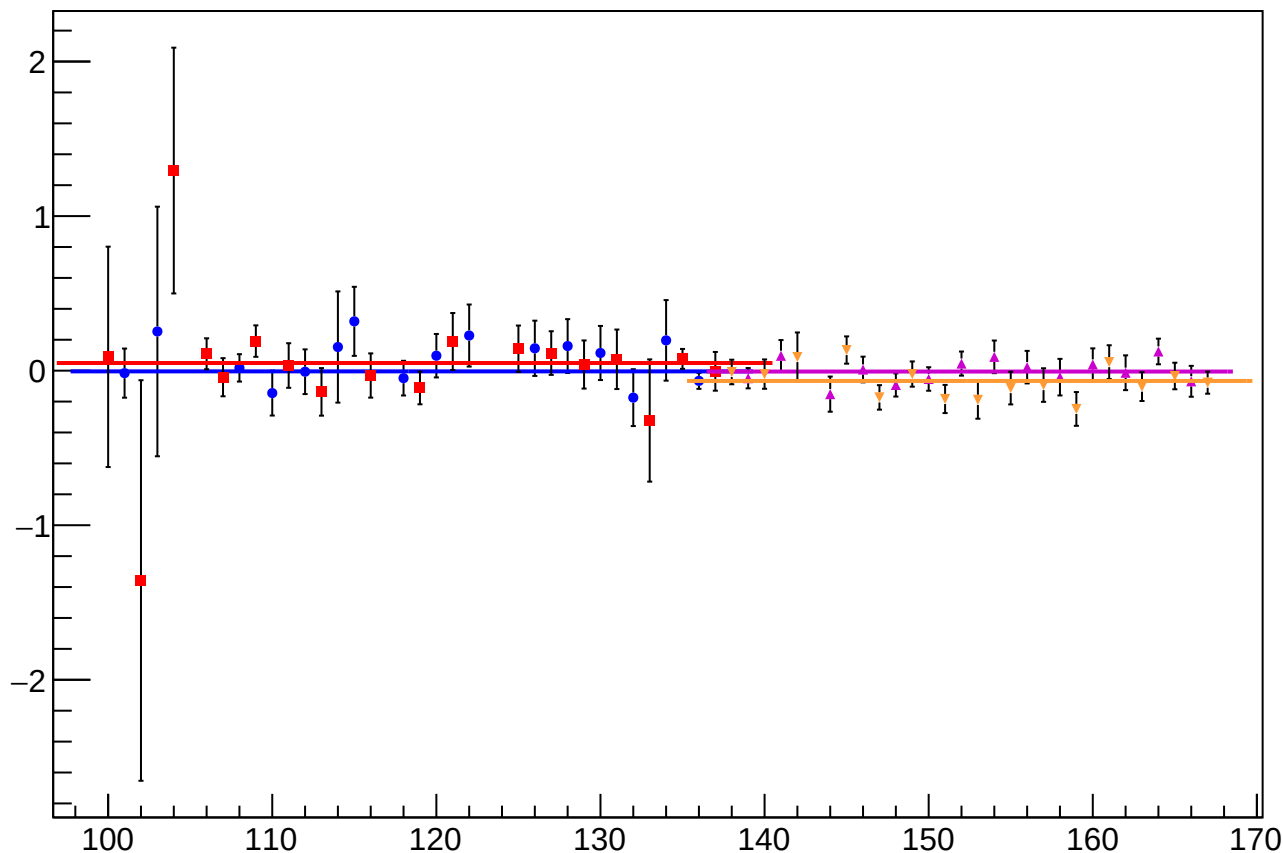
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2634625.1/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7244627.6/30

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 12357101.9/62

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5107741.4/31

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: -0.067 ± 0.024 χ^2/NDF : 16.1/14

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

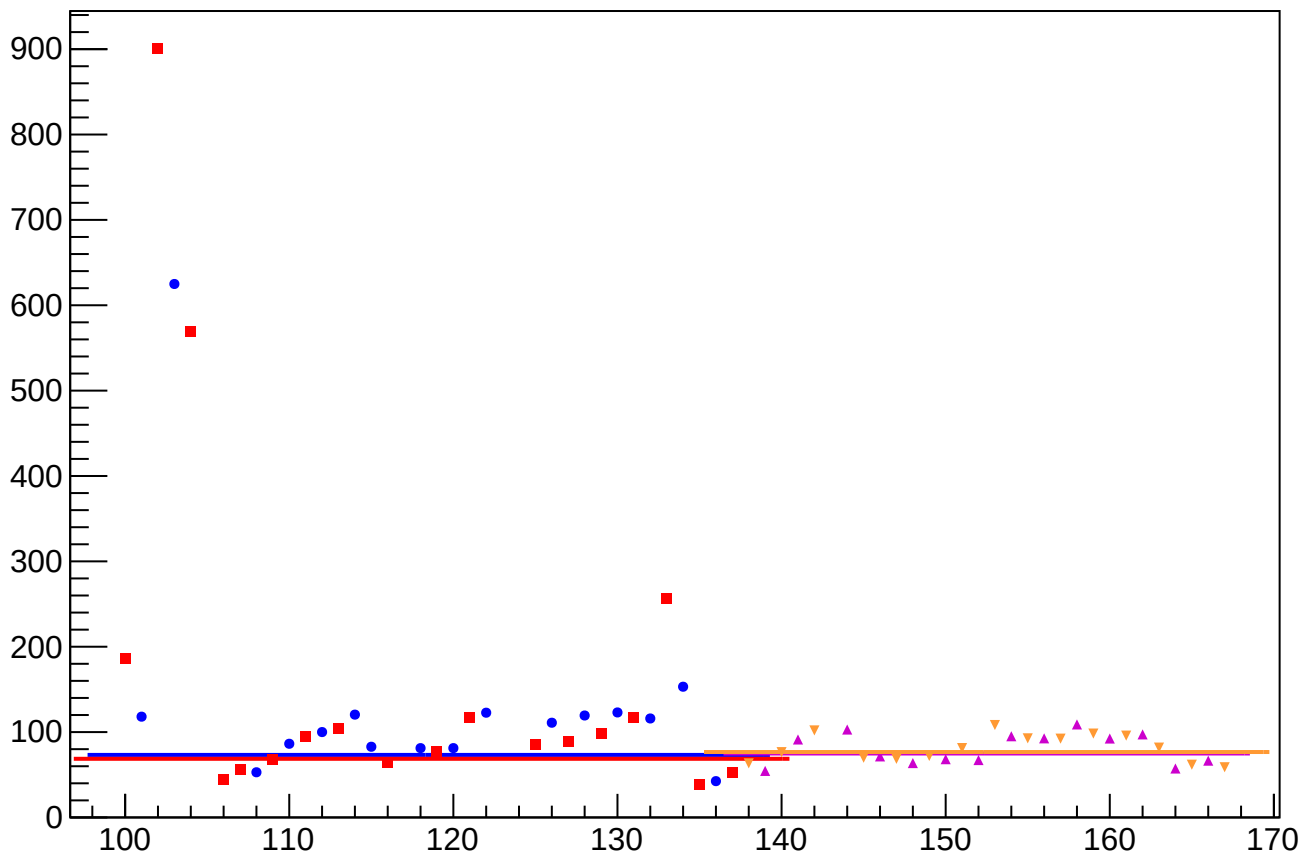
Left In: -0.006 ± 0.024 χ^2/NDF : 9.3/13

+ sign -0.044 ± 0.019 χ^2/NDF : 28.8/30

All: -0.015 ± 0.014 χ^2/NDF : 57.8/62

- sign 0.014 ± 0.019 χ^2/NDF : 24.3/31

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF : 2852306.8/15

Left Out: 76.658+/-0.017 χ^2/NDF : 702387.0/14

Right Out: 68.713+/-0.022 χ^2/NDF : 3332744.7/17

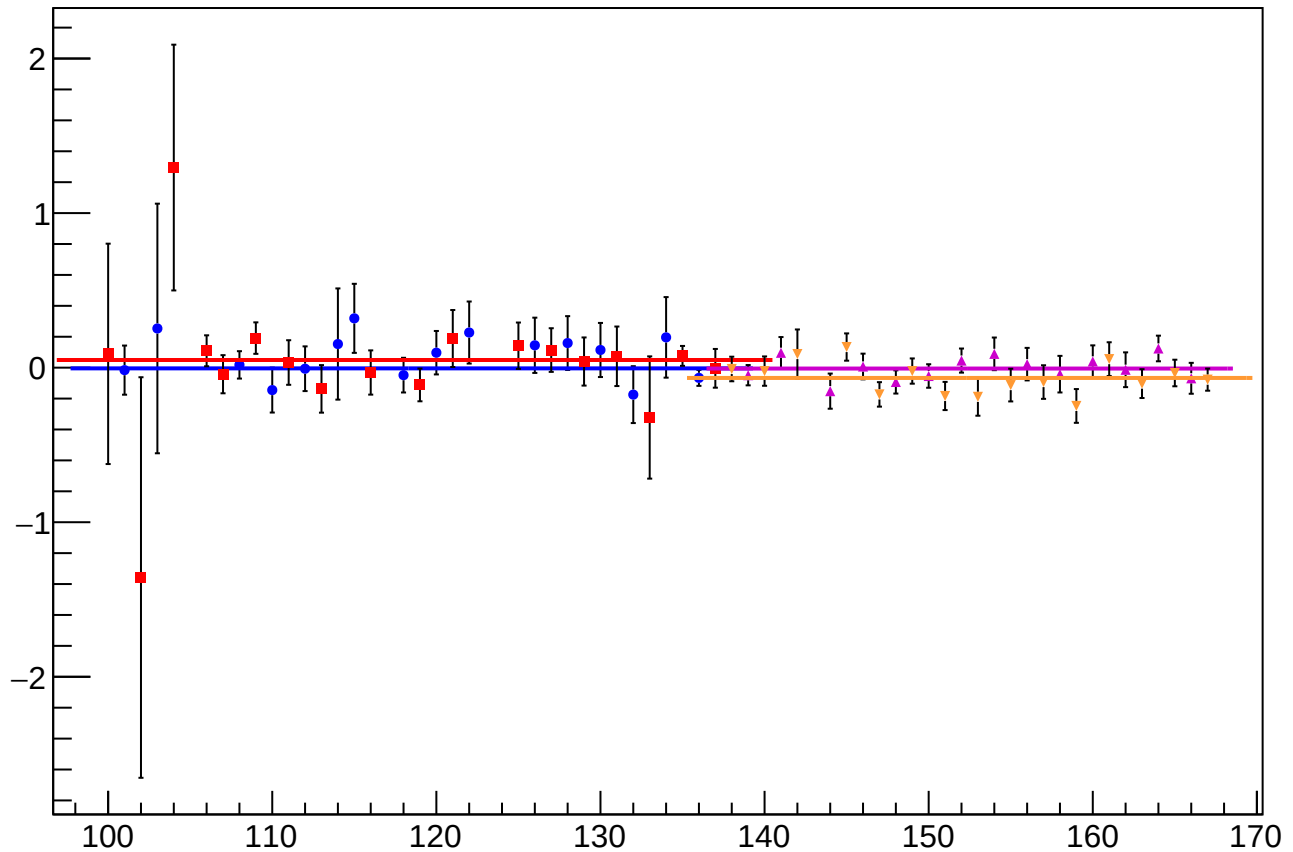
Left In: 74.915+/-0.017 χ^2/NDF : 985378.5/13

+ sign 75.440+/-0.014 χ^2/NDF : 3568959.1/30

All: 74.032+/-0.010 χ^2/NDF : 7956891.1/62

- sign 72.649+/-0.014 χ^2/NDF : 4366846.0/31

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: -0.067 ± 0.024 χ^2/NDF : 16.1/14

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

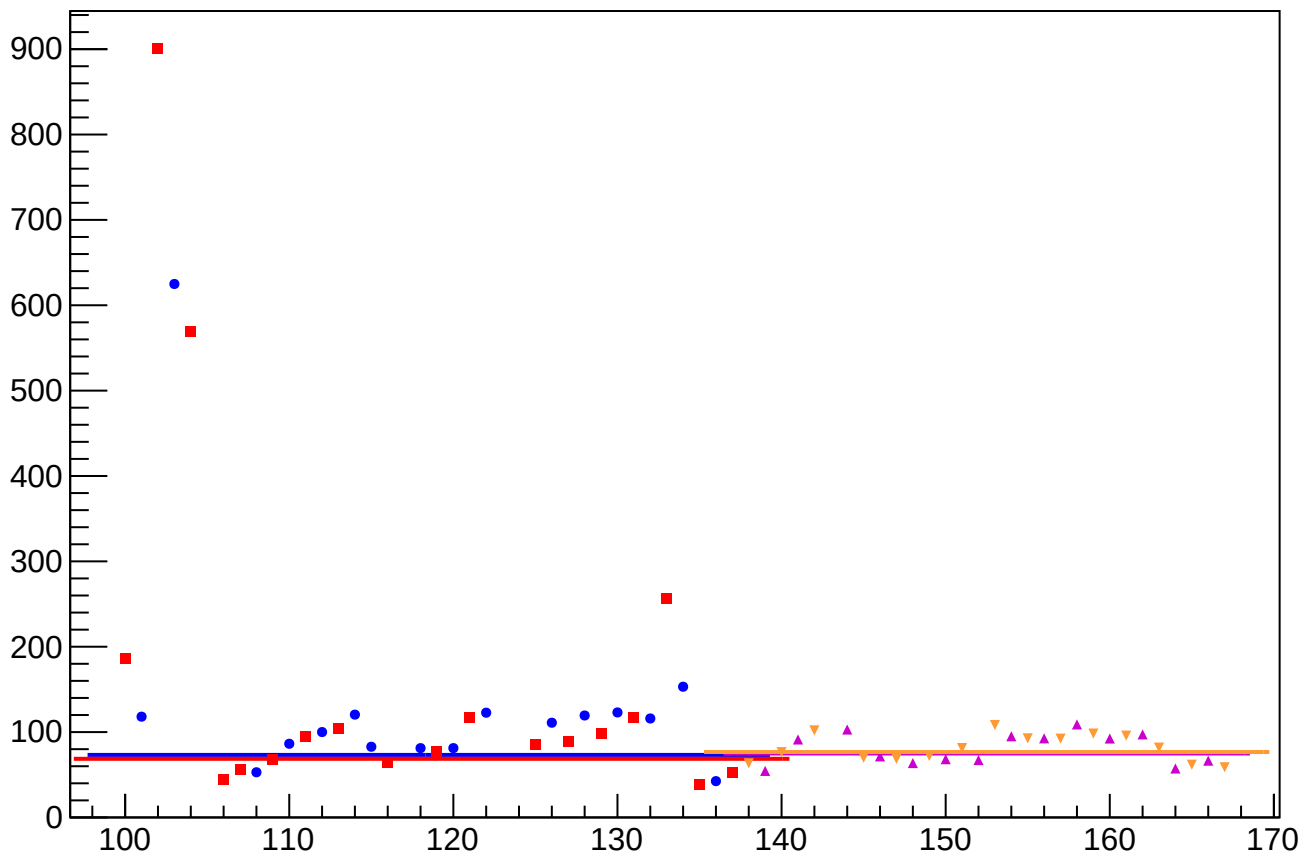
Left In: -0.006 ± 0.024 χ^2/NDF : 9.3/13

+ sign -0.044 ± 0.019 χ^2/NDF : 28.8/30

All: -0.015 ± 0.014 χ^2/NDF : 57.8/62

- sign 0.014 ± 0.019 χ^2/NDF : 24.3/31

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF : 2852306.8/15

Left Out: 76.658+/-0.017 χ^2/NDF : 702387.0/14

Right Out: 68.713+/-0.022 χ^2/NDF : 3332744.7/17

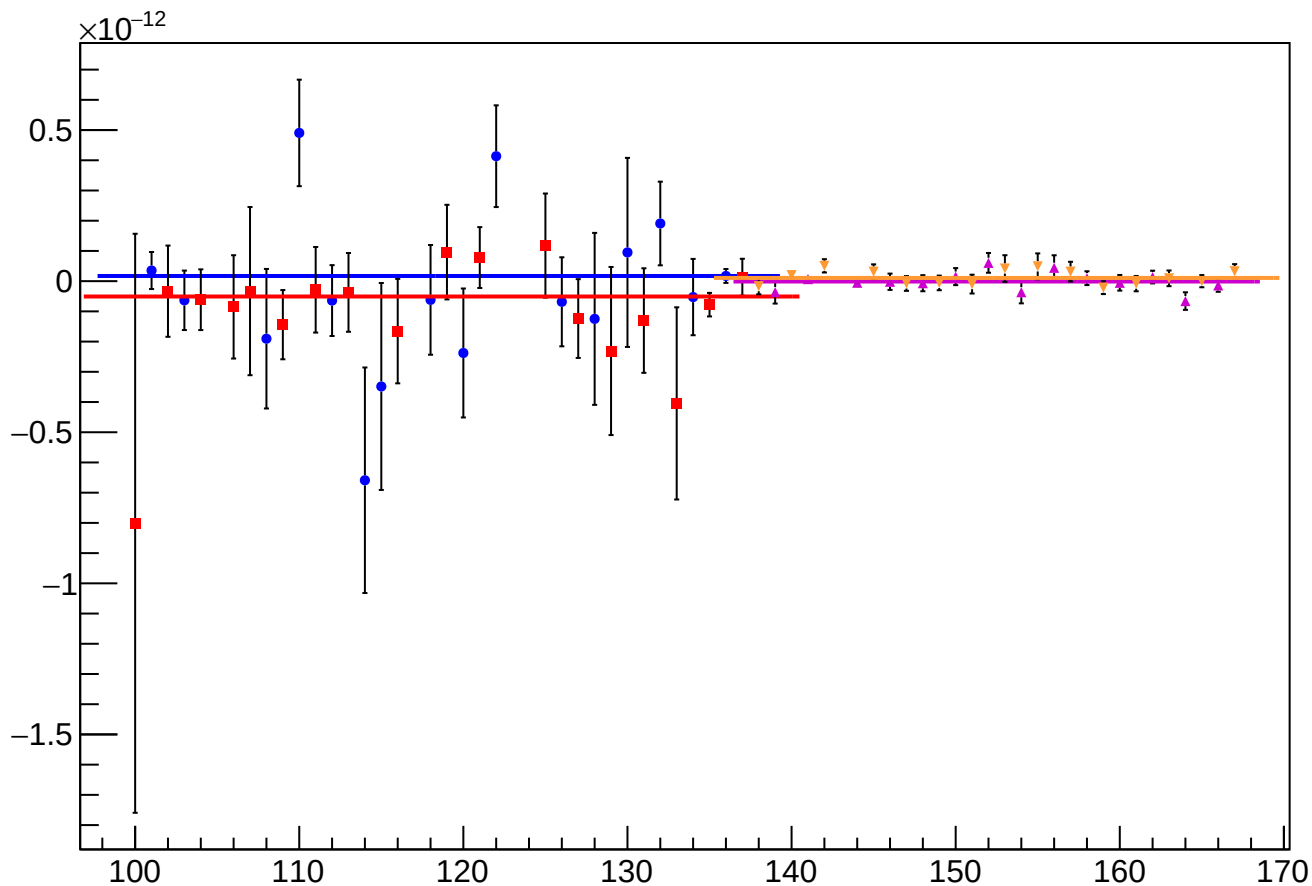
Left In: 74.915+/-0.017 χ^2/NDF : 985378.5/13

+ sign 75.440+/-0.014 χ^2/NDF : 3568959.1/30

All: 74.032+/-0.010 χ^2/NDF : 7956891.1/62

- sign 72.649+/-0.014 χ^2/NDF : 4366846.0/31

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:12.5/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/17

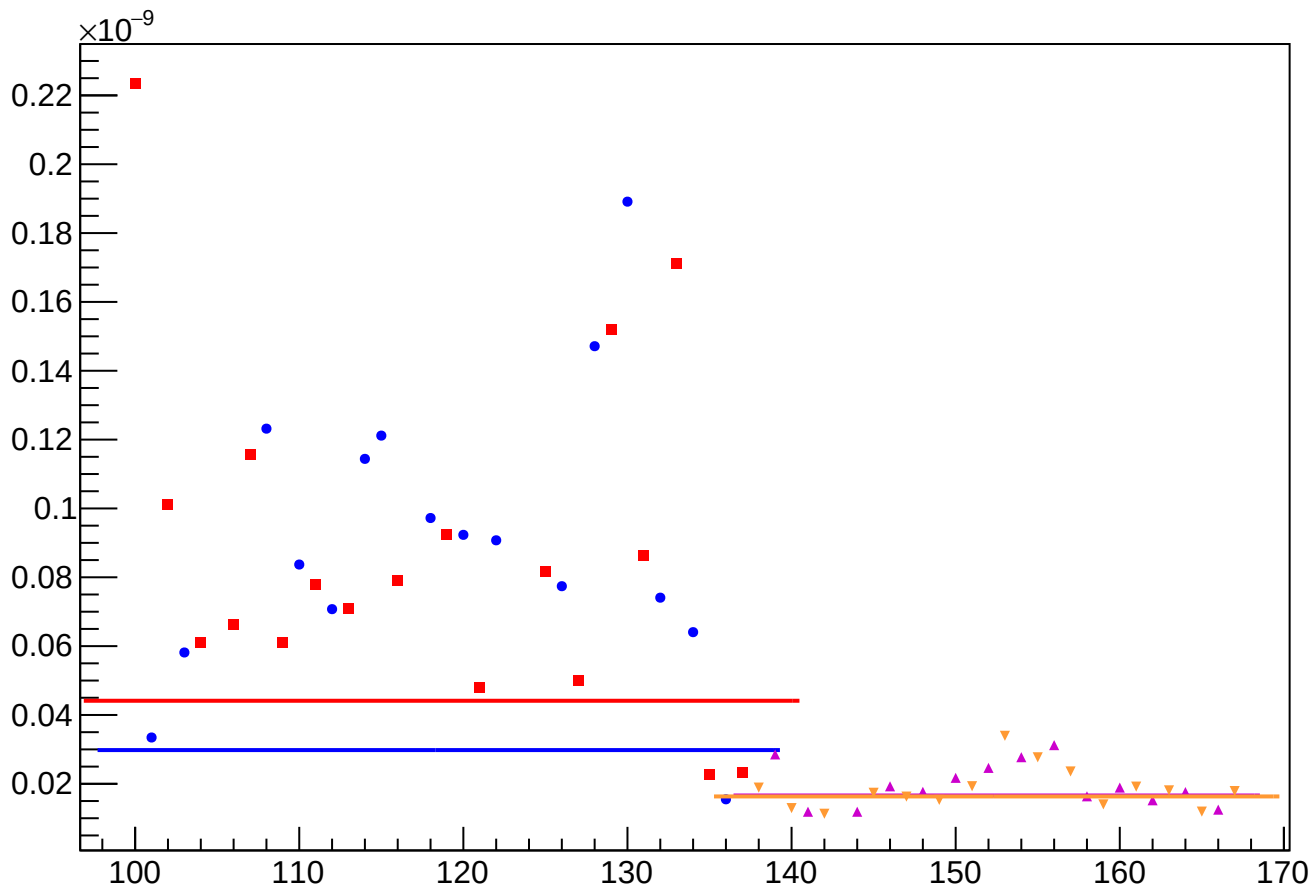
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 65.4/62

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/31

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 4079776.1/15$

Left Out: 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 951483.6/14$

Right Out: 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 2779318.5/17$

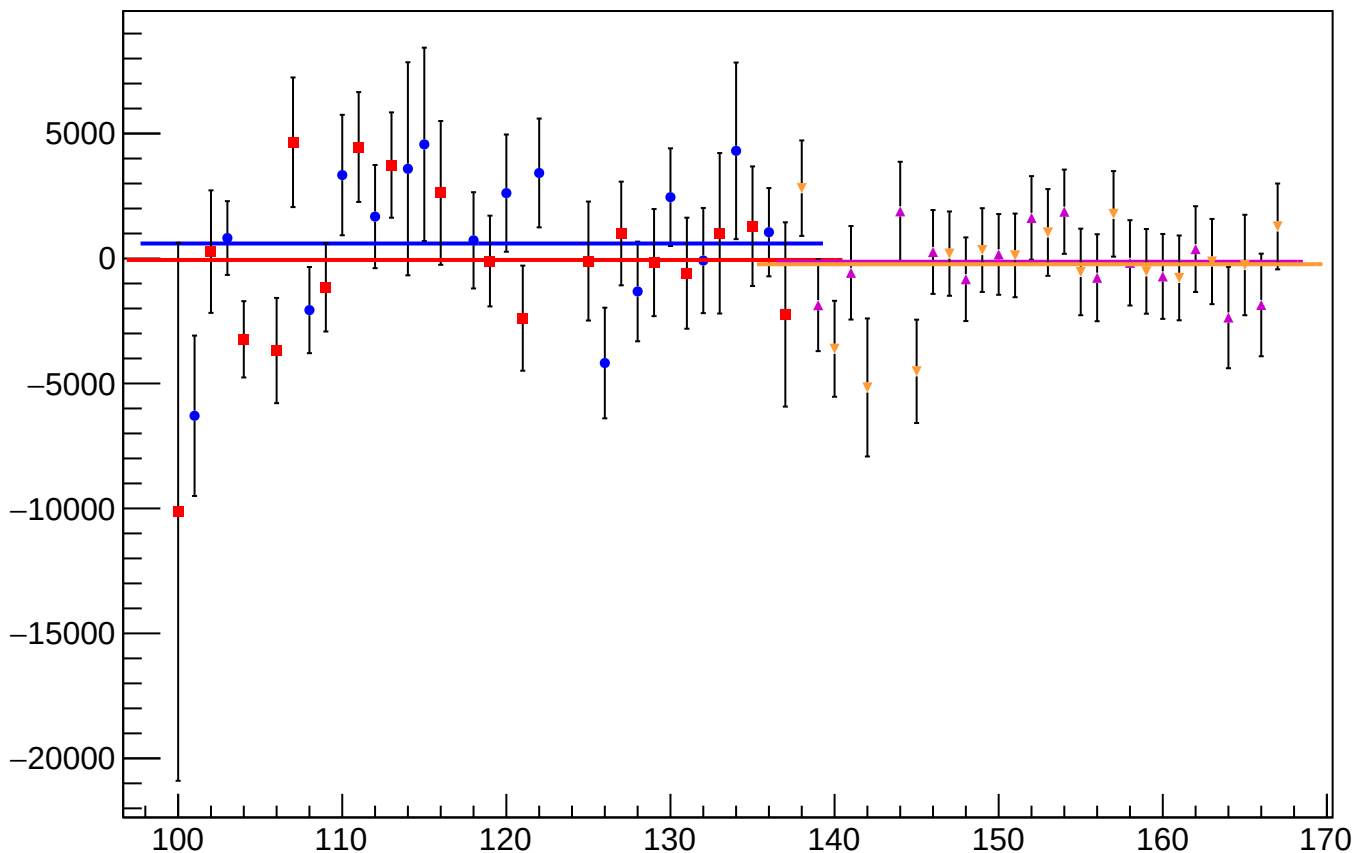
Left In: 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 1279394.7/13$

+ sign 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 5905959.9/30$

All: 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 12283168.0/62$

- sign 0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 6363195.1/31$

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: -228.474 $\pm$ 465.817 χ^2 /NDF:16.2/14

Right Out: -59.091 $\pm$ 530.206 χ^2 /NDF: 22.5/17

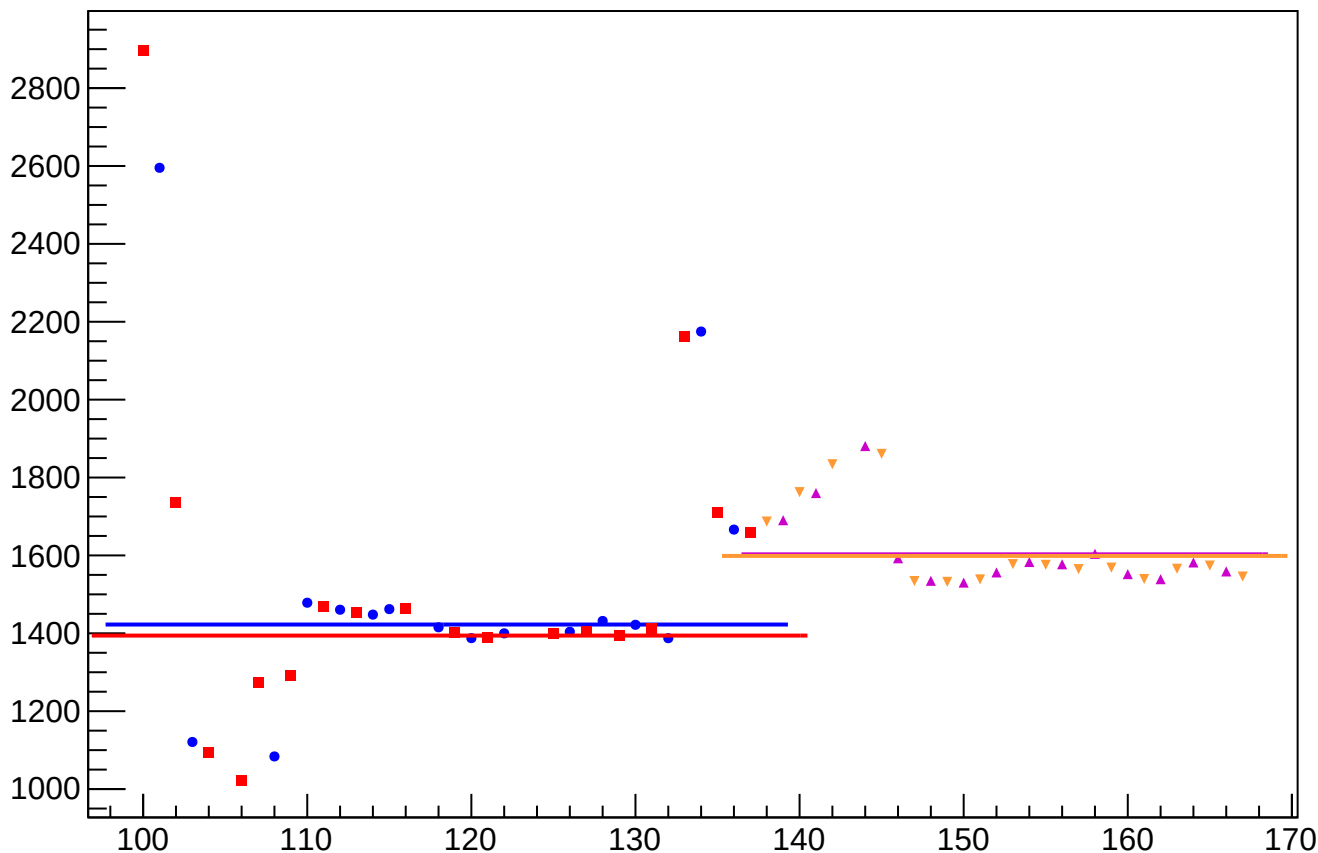
Left In: -130.617 $\pm$ 472.442 χ^2 /NDF:7.0/13

+ sign 125.013 $\pm$ 352.732 χ^2 /NDF: 37.9/30

All: 13.024 $\pm$ 249.418 χ^2 /NDF: 67.7/62

- sign -98.961 $\pm$ 352.728 χ^2 /NDF: 29.6/31

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515 ± 0.382 χ^2/NDF : 560259.3/15

Left Out: 1598.721 ± 0.329 χ^2/NDF : 81621.0/14

+ sign 1523.552 ± 0.249 χ^2/NDF : 763964.2/30

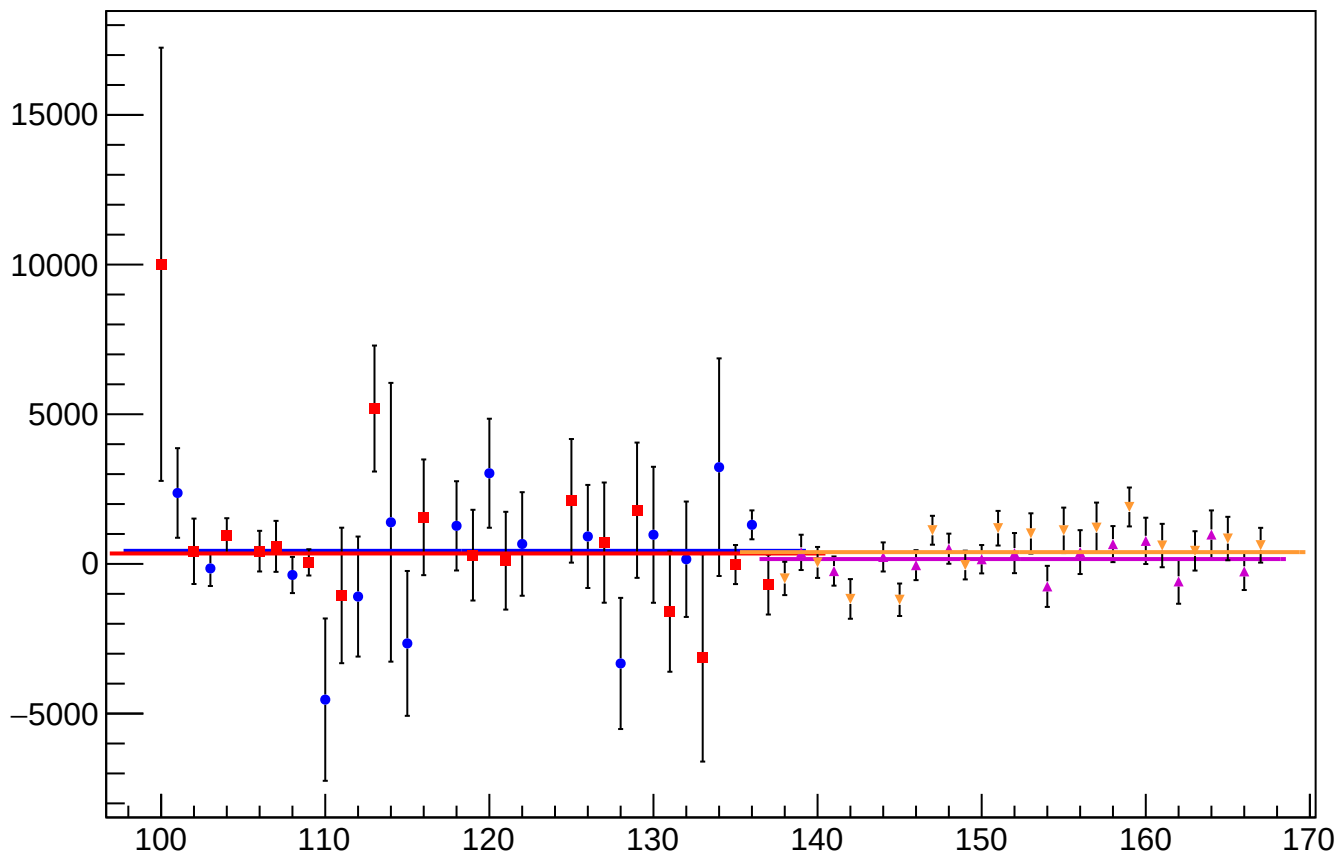
Right Out: 1394.171 ± 0.375 χ^2/NDF : 393666.0/17

All: 1516.994 ± 0.176 χ^2/NDF : 1404923.3/62

- sign 1510.437 ± 0.249 χ^2/NDF : 639576.5/31

Left In: 1602.750 ± 0.334 χ^2/NDF : 73379.8/13

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: 393.609 $\pm$ 156.021 χ^2 /NDF:30.9/14

Right Out: 348.567 $\pm$ 233.745 χ^2 /NDF: 13.9/17

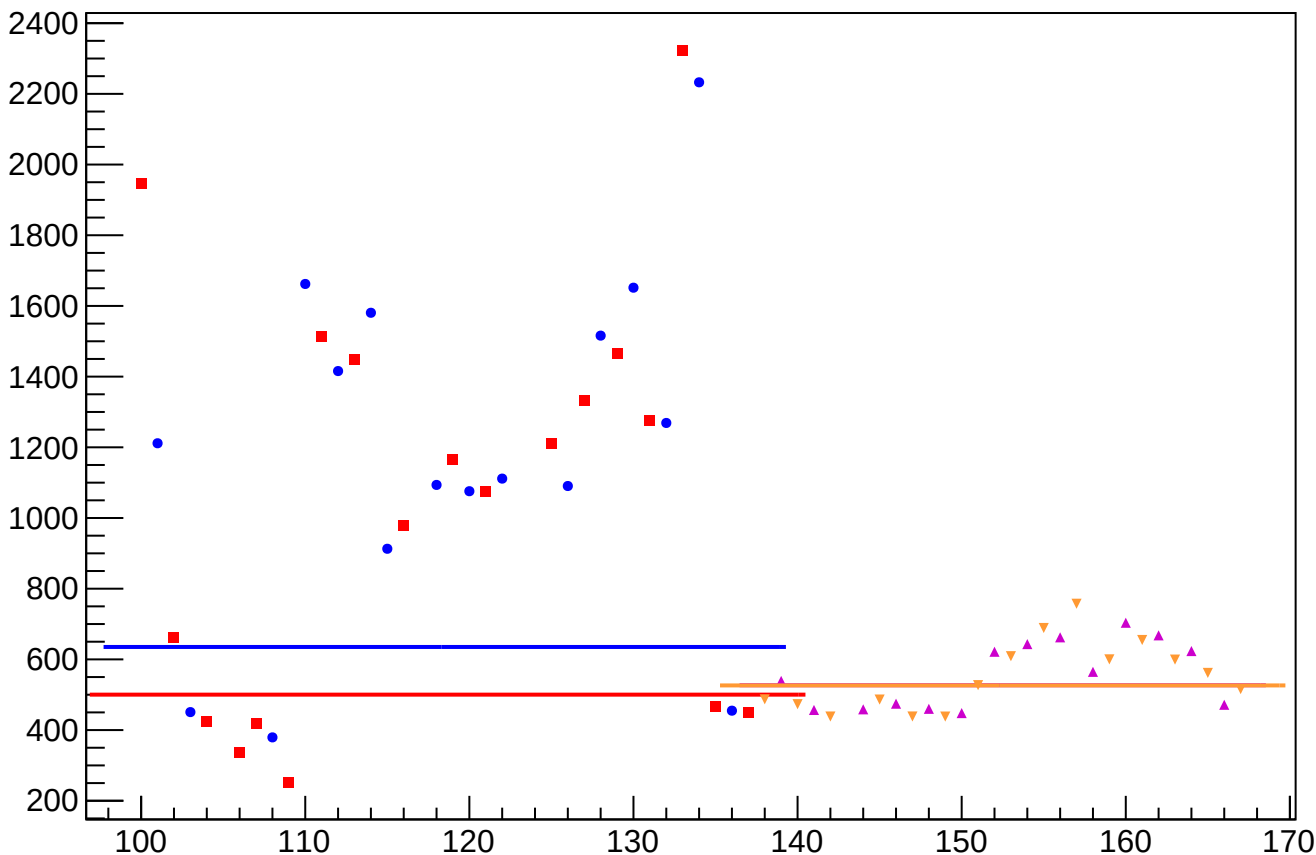
Left In: 161.919 $\pm$ 157.578 χ^2 /NDF:7.2/13

+ sign 404.003 $\pm$ 135.812 χ^2 /NDF: 50.3/30

All: 308.570 $\pm$ 94.159 χ^2 /NDF: 72.8/62

- sign 220.240 $\pm$ 130.660 χ^2 /NDF: 21.6/31

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135 $\pm$ 0.195 χ^2/NDF : 3752583.4/15

Left Out: 526.324 $\pm$ 0.110 χ^2/NDF : 603379.5/14

Right Out: 500.231 $\pm$ 0.165 χ^2/NDF : 4309093.1/17

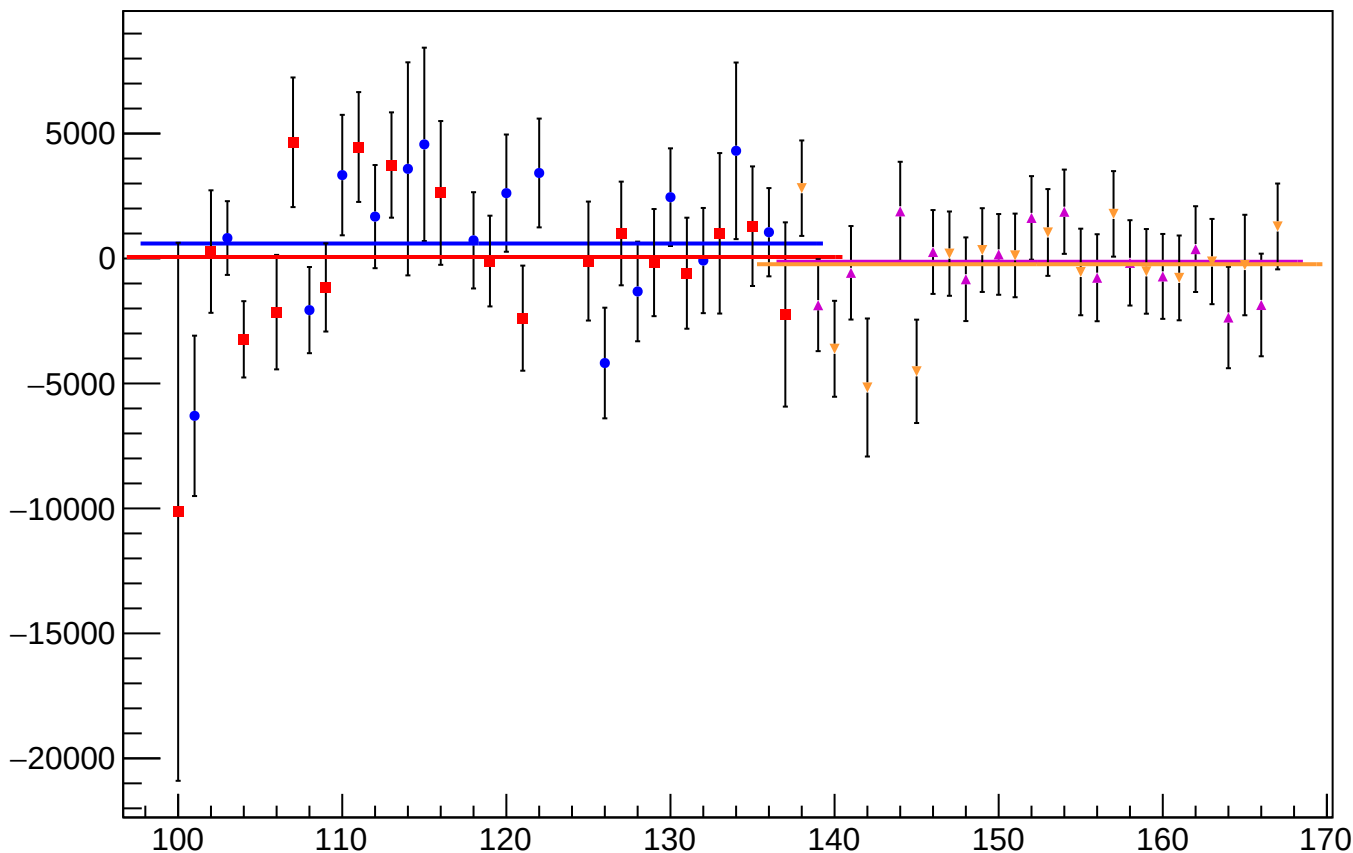
Left In: 526.863 $\pm$ 0.111 χ^2/NDF : 588005.4/13

+ sign 552.687 $\pm$ 0.096 χ^2/NDF : 4591643.5/30

All: 534.954 $\pm$ 0.067 χ^2/NDF : 9572246.3/62

- sign 518.542 $\pm$ 0.092 χ^2/NDF : 4914948.5/31

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: -228.581 $\pm$ 465.817 χ^2 /NDF:16.2/14

Right Out: 60.361 $\pm$ 532.826 χ^2 /NDF: 20.4/17

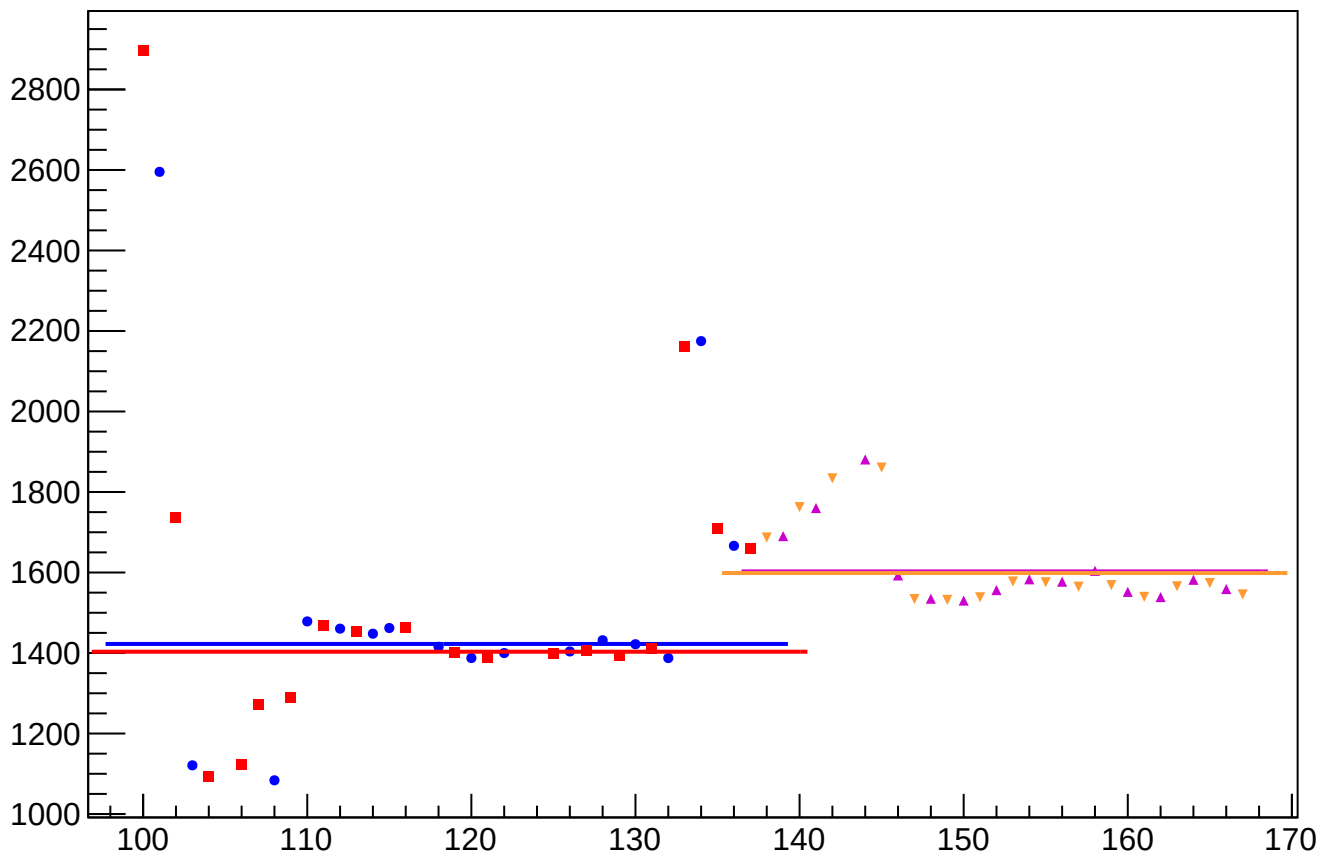
Left In: -130.608 $\pm$ 472.442 χ^2 /NDF:7.0/13

+ sign 124.897 $\pm$ 352.732 χ^2 /NDF: 37.9/30

All: 39.357 $\pm$ 249.689 χ^2 /NDF: 65.5/62

- sign -46.553 $\pm$ 353.497 χ^2 /NDF: 27.5/31

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.5/15

Left Out: 1598.721+/-0.329 χ^2/NDF : 81621.0/14

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

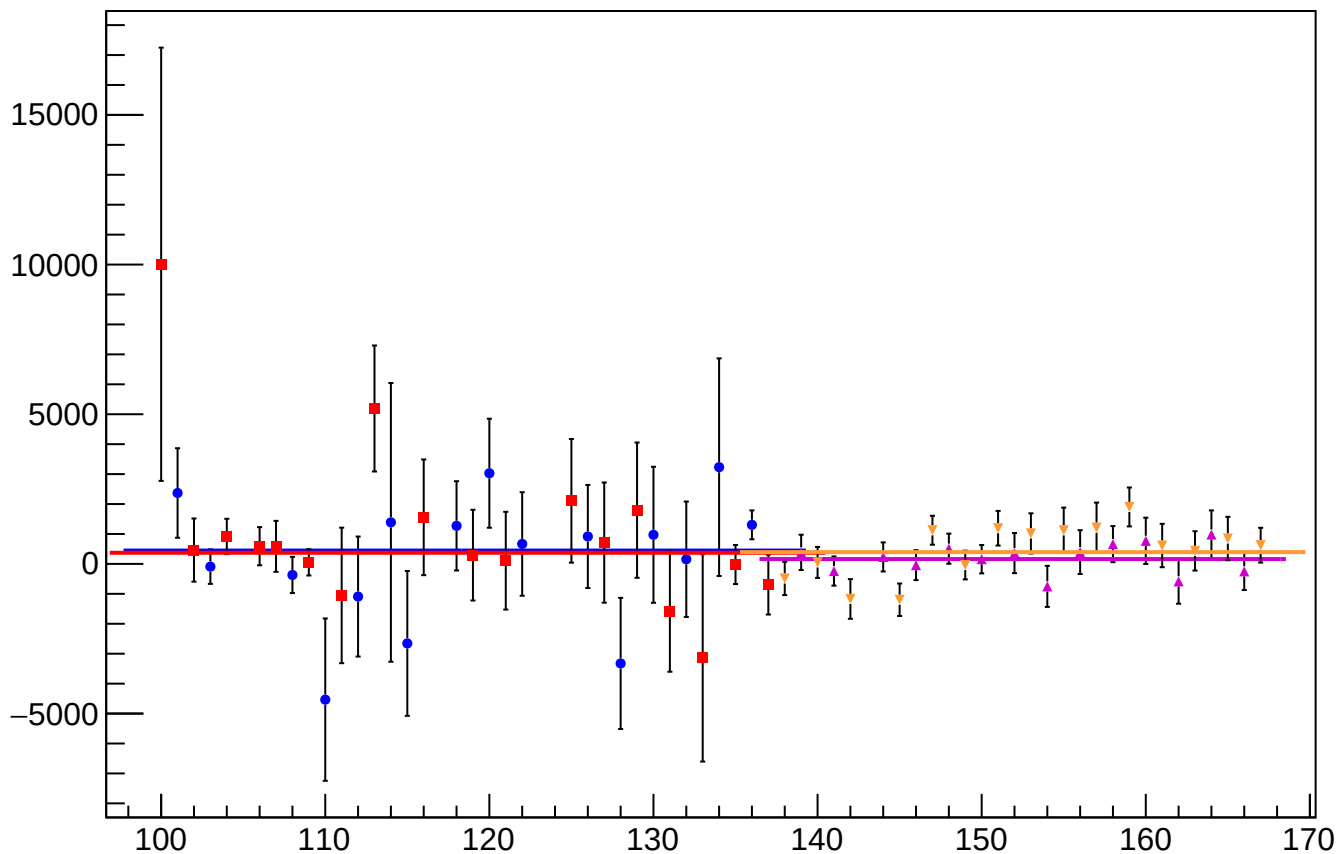
Left In: 1602.750+/-0.334 χ^2/NDF : 73379.8/13

+ sign 1523.552+/-0.249 χ^2/NDF : 763964.6/30

All: 1519.248+/-0.177 χ^2/NDF : 1354072.6/62

- sign 1514.927+/-0.250 χ^2/NDF : 589511.4/31

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: 393.676+/-156.024 χ^2/NDF :30.9/14

Right Out: 372.538+/-231.353 χ^2/NDF : 14.0/17

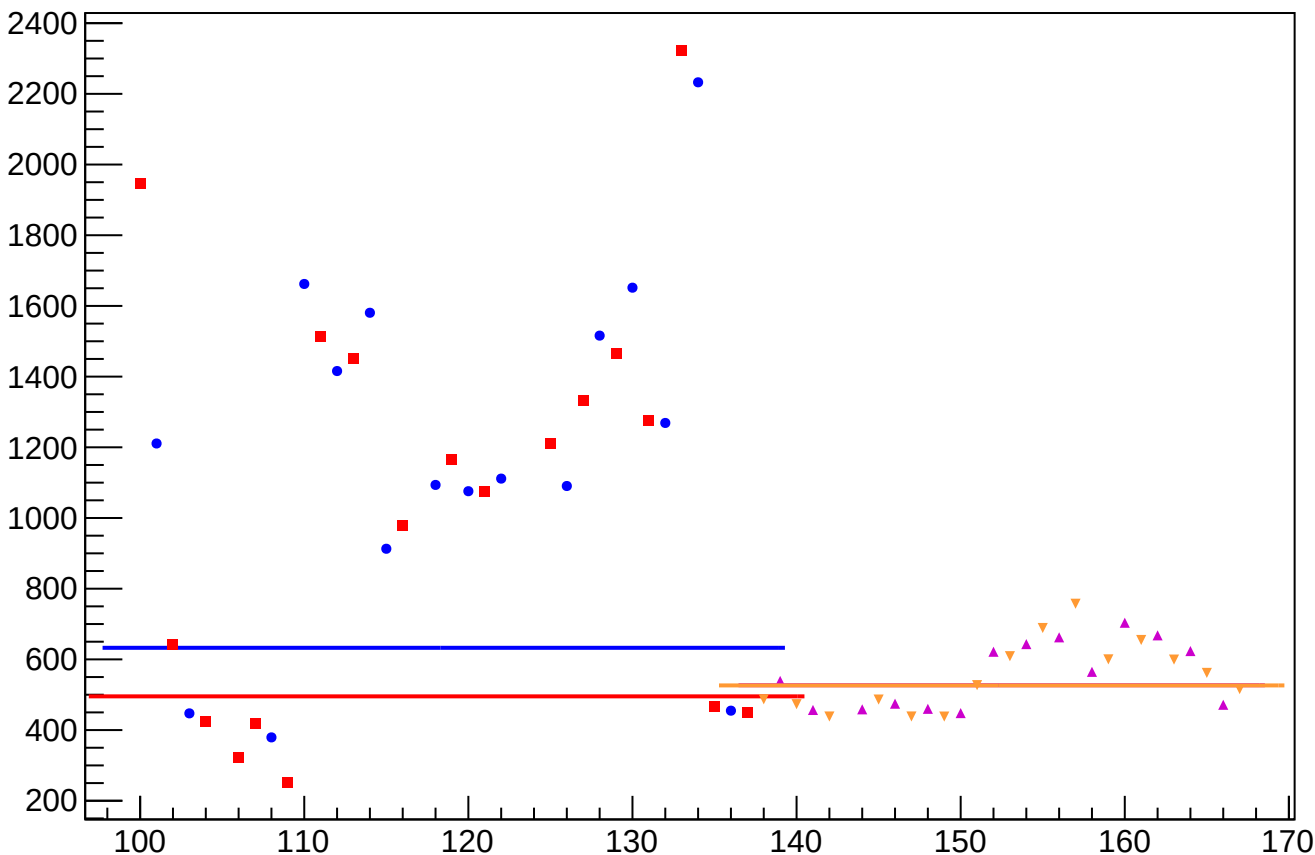
Left In: 161.962+/-157.576 χ^2/NDF :7.2/13

+ sign 406.222+/-135.672 χ^2/NDF : 50.1/30

All: 313.830+/-93.954 χ^2/NDF : 72.8/62

- sign 228.693+/-130.237 χ^2/NDF : 21.8/31

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753 $\pm$ 0.194 χ^2/NDF : 3767731.7/15

Left Out: 526.334 $\pm$ 0.110 χ^2/NDF : 603265.4/14

Right Out: 495.380 $\pm$ 0.164 χ^2/NDF : 4337484.8/17

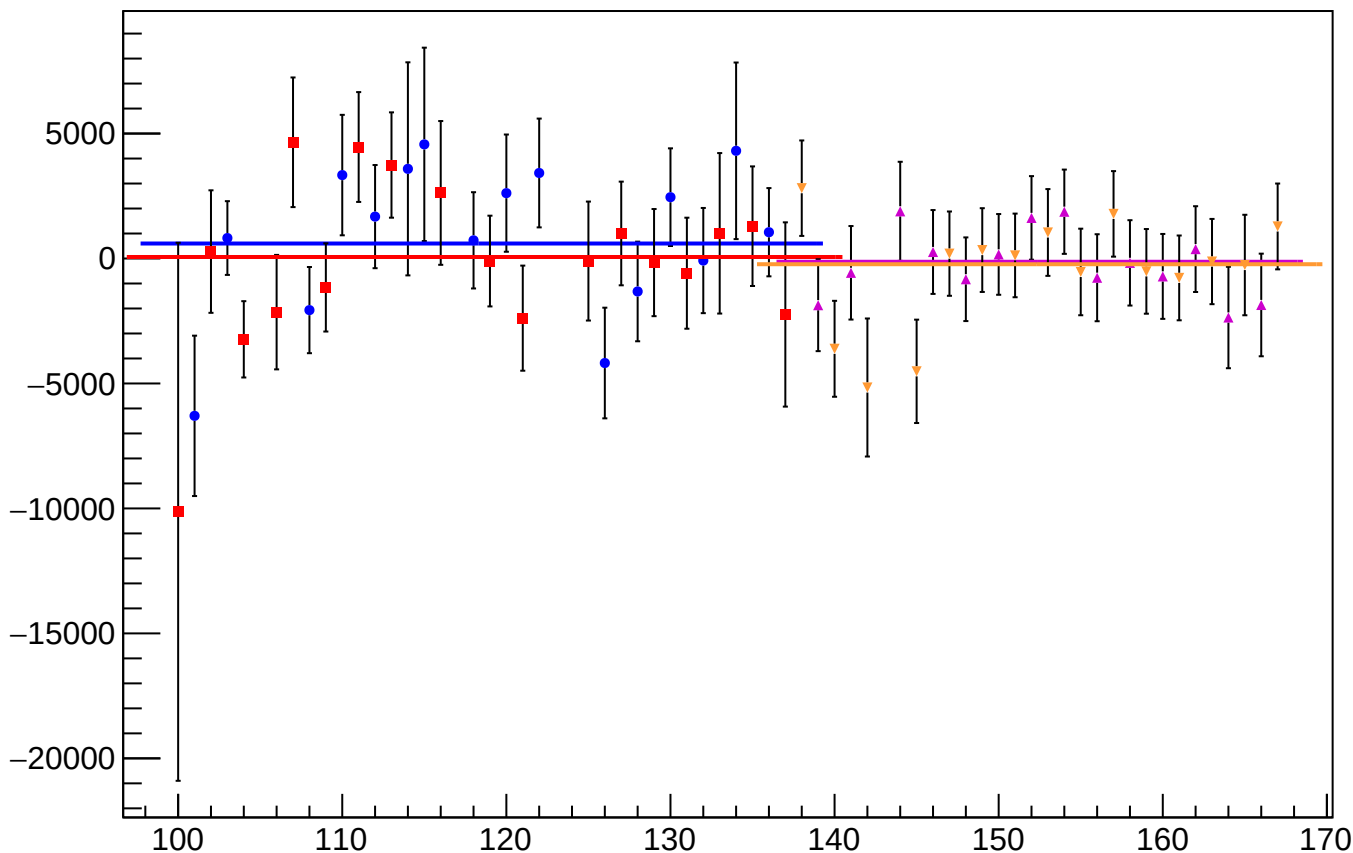
Left In: 526.858 $\pm$ 0.111 χ^2/NDF : 588029.2/13

+ sign 552.286 $\pm$ 0.096 χ^2/NDF : 4597894.9/30

All: 533.861 $\pm$ 0.066 χ^2/NDF : 9619576.1/62

- sign 516.883 $\pm$ 0.092 χ^2/NDF : 4950805.6/31

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: -228.581 $\pm$ 465.817 χ^2 /NDF:16.2/14

Right Out: 60.361 $\pm$ 532.826 χ^2 /NDF: 20.4/17

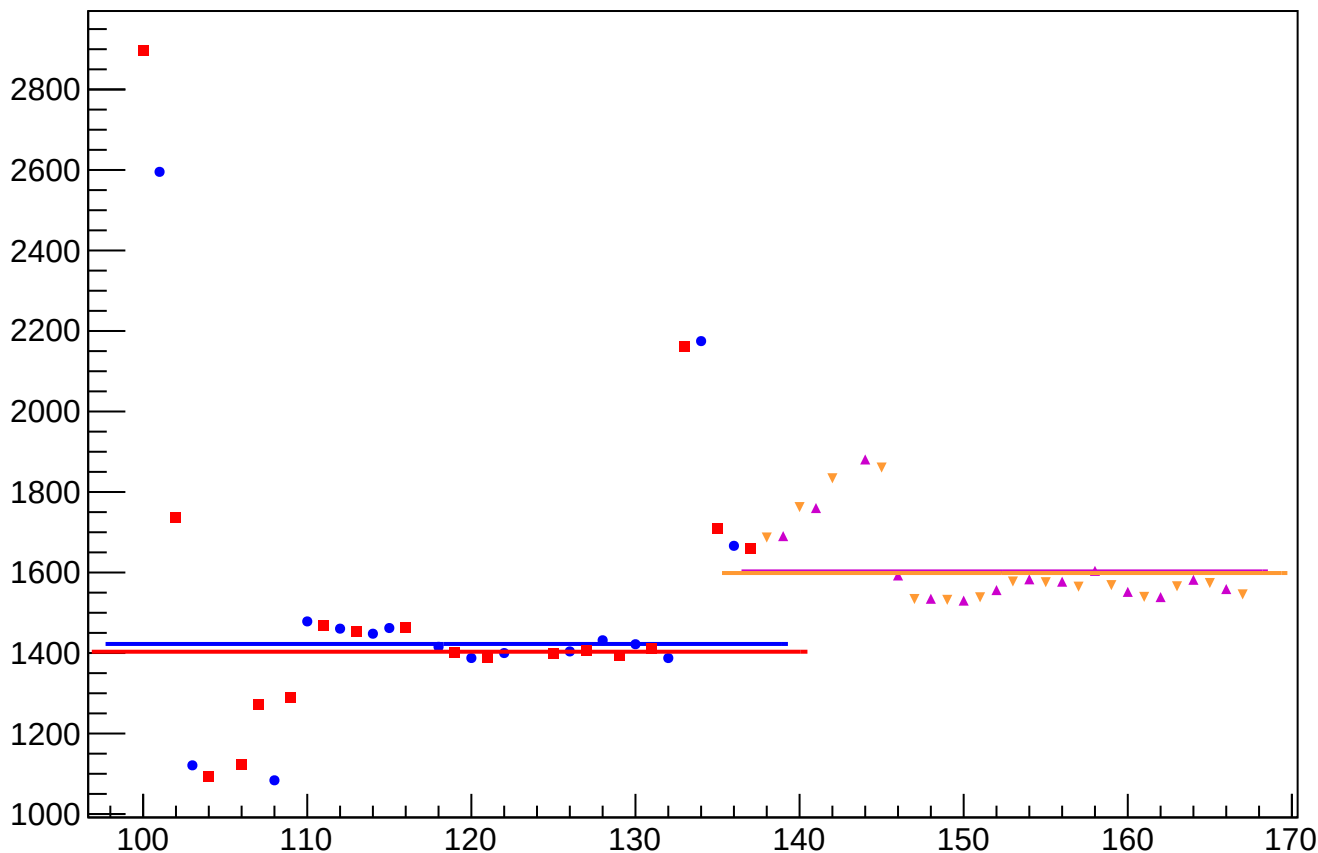
Left In: -130.608 $\pm$ 472.442 χ^2 /NDF:7.0/13

+ sign 124.897 $\pm$ 352.732 χ^2 /NDF: 37.9/30

All: 39.357 $\pm$ 249.689 χ^2 /NDF: 65.5/62

- sign -46.553 $\pm$ 353.497 χ^2 /NDF: 27.5/31

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515 $\pm$ 0.382 χ^2 /NDF: 560259.5/15

Left Out: 1598.721 $\pm$ 0.329 χ^2 /NDF: 81621.0/14

Right Out: 1403.220 $\pm$ 0.377 χ^2 /NDF: 359113.5/17

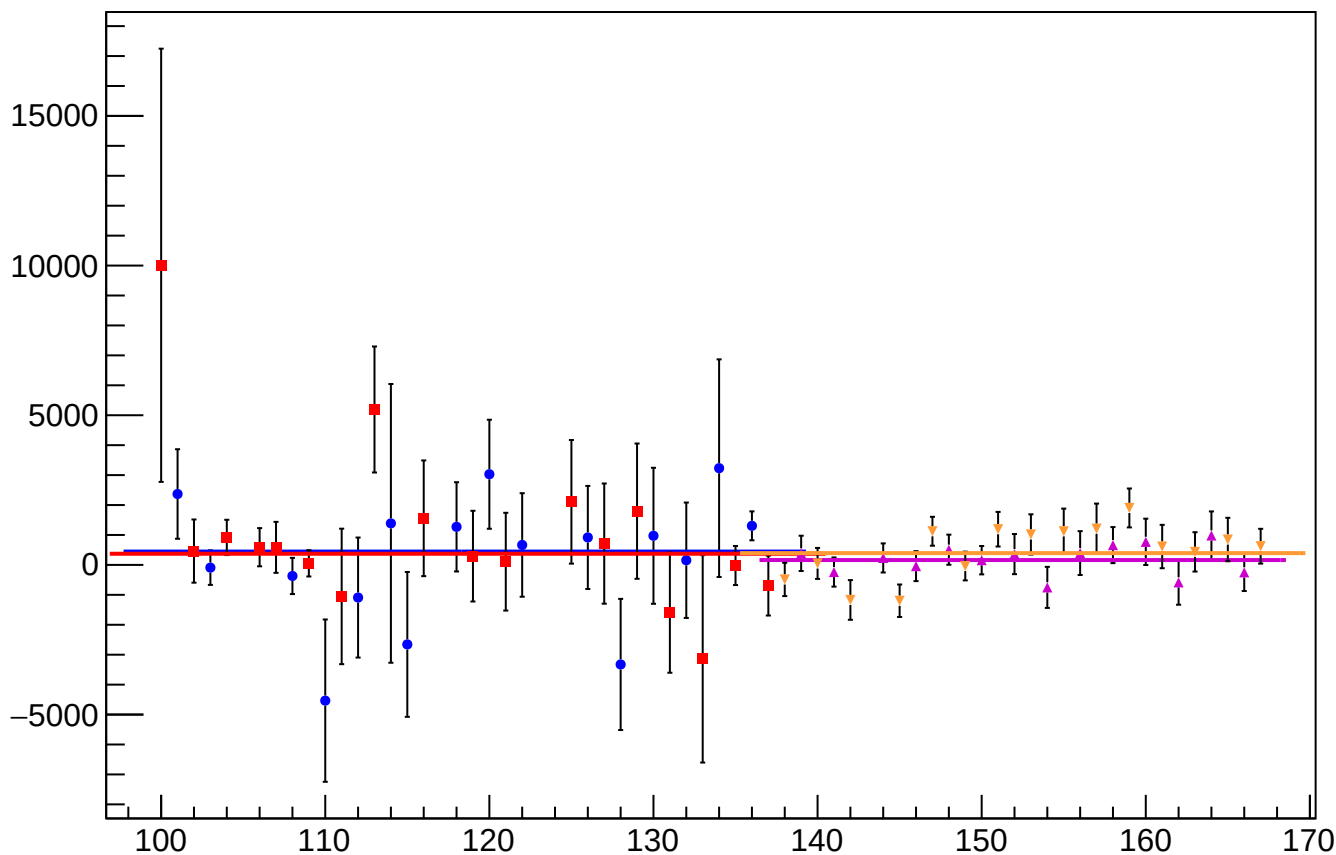
Left In: 1602.750 $\pm$ 0.334 χ^2 /NDF: 73379.8/13

+ sign 1523.552 $\pm$ 0.249 χ^2 /NDF: 763964.6/30

All: 1519.248 $\pm$ 0.177 χ^2 /NDF: 1354072.6/62

- sign 1514.927 $\pm$ 0.250 χ^2 /NDF: 589511.4/31

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 445.121 $\pm$ 274.737 χ^2 /NDF: 19.2/15

Left Out: 393.676 $\pm$ 156.024 χ^2 /NDF:30.9/14

Right Out: 372.538 $\pm$ 231.353 χ^2 /NDF: 14.0/17

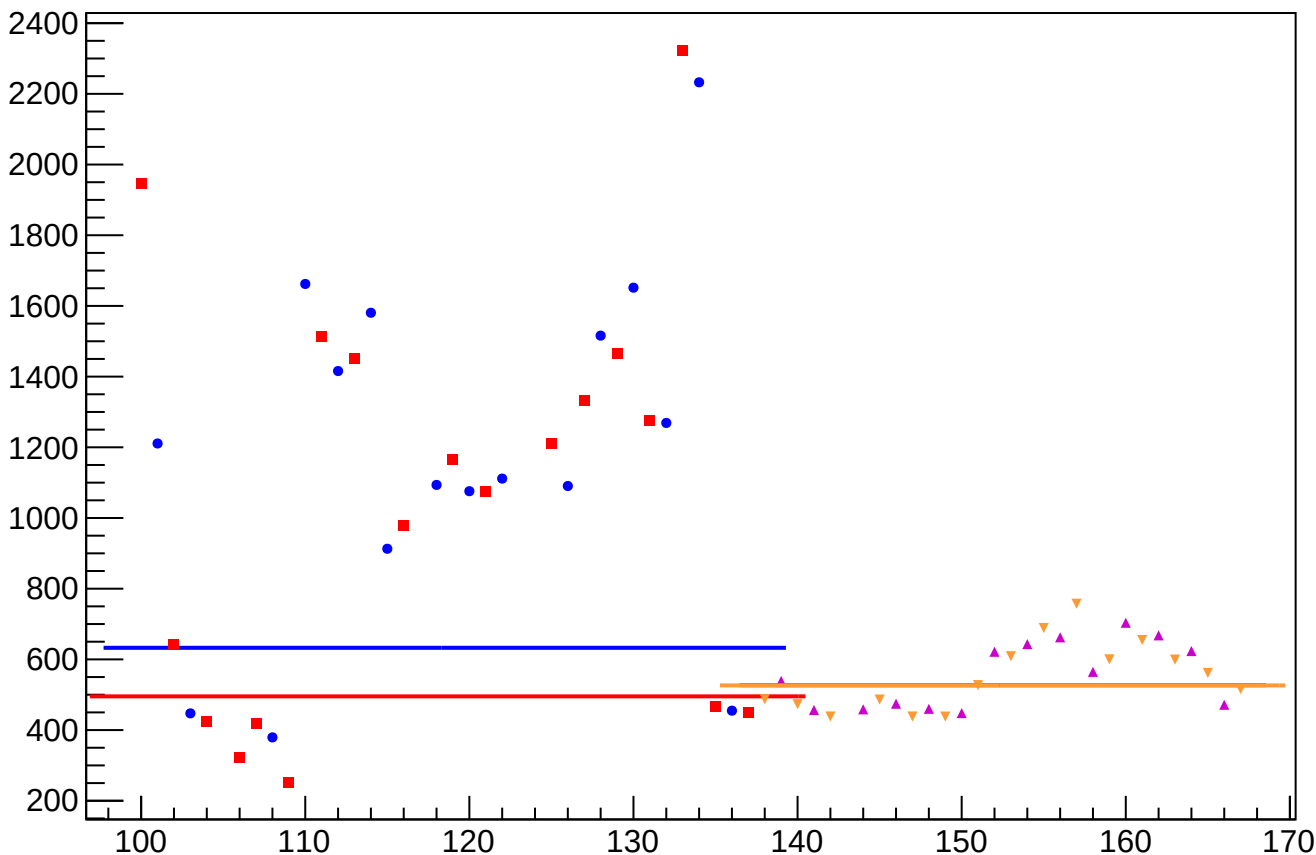
Left In: 161.962 $\pm$ 157.576 χ^2 /NDF:7.2/13

+ sign 406.222 $\pm$ 135.672 χ^2 /NDF: 50.1/30

All: 313.830 $\pm$ 93.954 χ^2 /NDF: 72.8/62

- sign 228.693 $\pm$ 130.237 χ^2 /NDF: 21.8/31

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: 526.334+/-0.110 χ^2/NDF : 603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF : 4337484.8/17

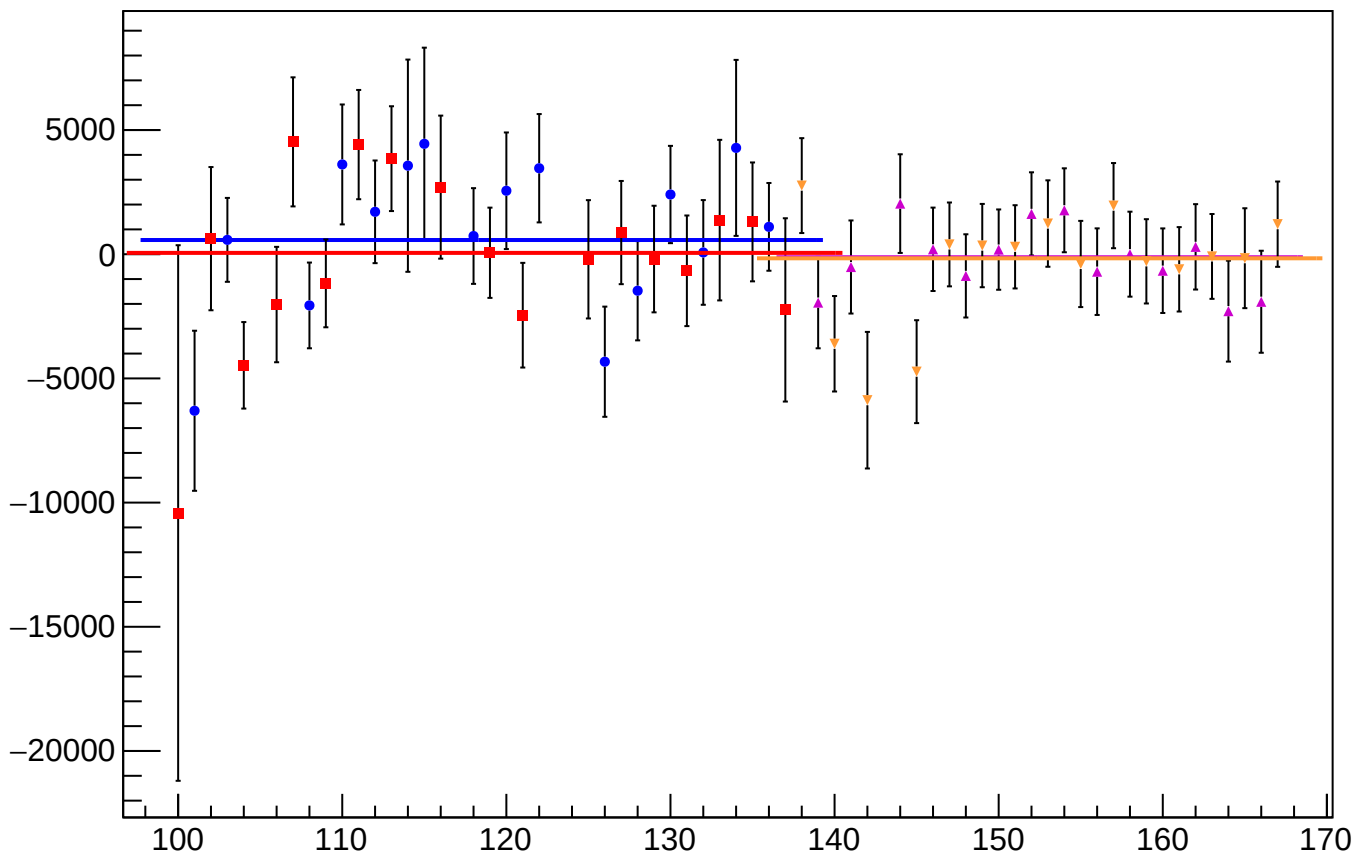
Left In: 526.858+/-0.111 χ^2/NDF : 588029.2/13

+ sign 552.286+/-0.096 χ^2/NDF : 4597894.9/30

All: 533.861+/-0.066 χ^2/NDF : 9619576.1/62

- sign 516.883+/-0.092 χ^2/NDF : 4950805.6/31

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289 ± 549.638 χ^2/NDF : 20.8/15

Left Out: -164.307 ± 466.360 χ^2/NDF : 17.9/14

Right Out: 53.754 ± 545.353 χ^2/NDF : 22.5/17

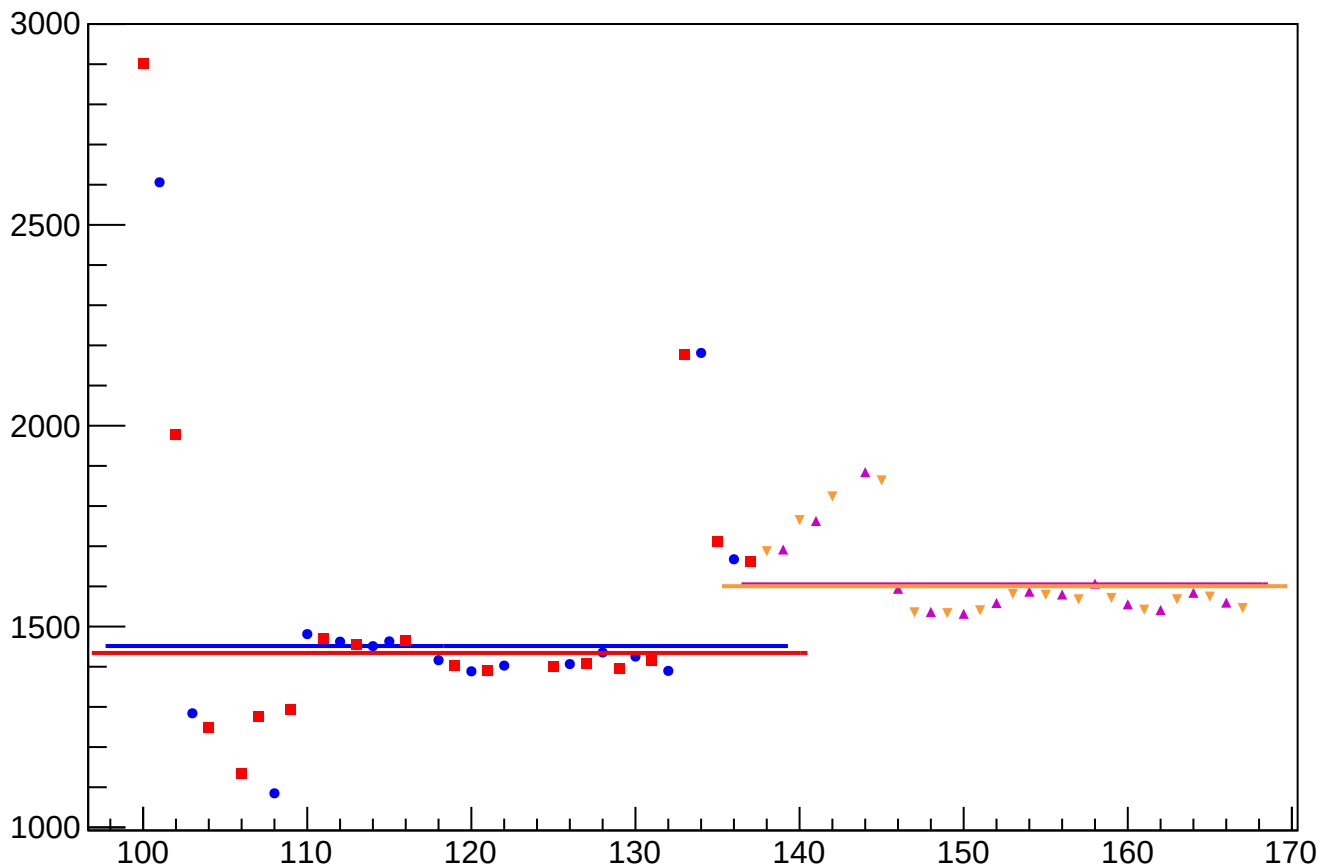
Left In: -121.339 ± 473.130 χ^2/NDF : 7.0/13

+ sign 144.018 ± 355.604 χ^2/NDF : 39.7/30

All: 49.410 ± 252.075 χ^2/NDF : 69.5/62

- sign -46.146 ± 357.380 χ^2/NDF : 29.6/31

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 +/- 0.389 χ^2/NDF : 487836.7/15

Left Out: 1600.556 +/- 0.330 χ^2/NDF : 80379.7/14

Right Out: 1434.321 +/- 0.386 χ^2/NDF : 328590.5/17

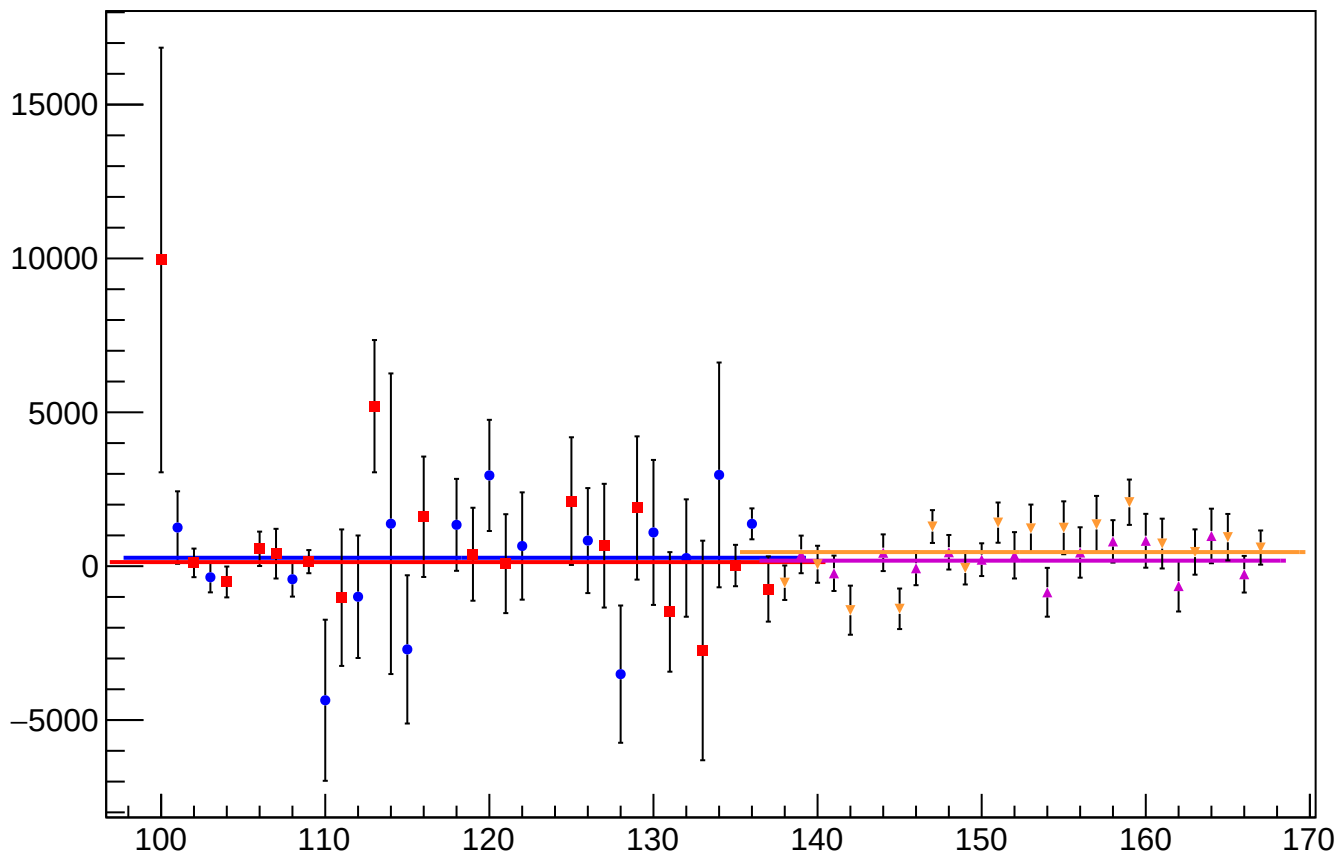
Left In: 1605.067 +/- 0.335 χ^2/NDF : 73601.8/13

+ sign 1538.197 +/- 0.251 χ^2/NDF : 653644.7/30

All: 1534.985 +/- 0.178 χ^2/NDF : 1168024.8/62

- sign 1531.741 +/- 0.253 χ^2/NDF : 514052.2/31

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: 458.196 $\pm$ 172.601 χ^2 /NDF:30.7/14

Right Out: 132.573 $\pm$ 195.933 χ^2 /NDF: 14.4/17

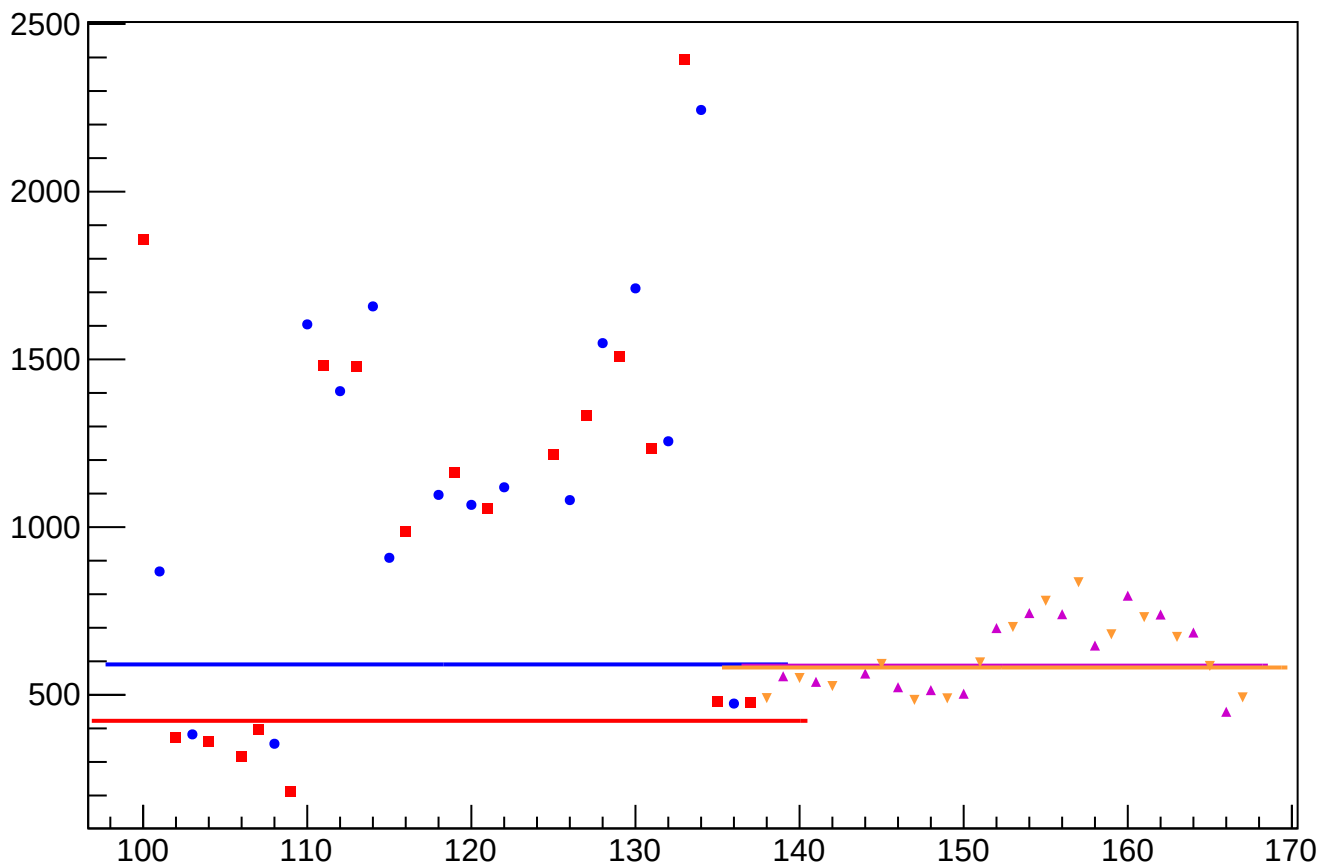
Left In: 179.284 $\pm$ 175.888 χ^2 /NDF:6.8/13

+ sign 401.842 $\pm$ 143.890 χ^2 /NDF: 51.3/30

All: 268.648 $\pm$ 96.822 χ^2 /NDF: 74.1/62

- sign 158.439 $\pm$ 130.887 χ^2 /NDF: 21.3/31

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749 $\pm$ 0.184 χ^2 /NDF: 3885502.1/15

Left Out: 581.581 $\pm$ 0.122 χ^2 /NDF: 687734.9/14

Right Out: 422.629 $\pm$ 0.139 χ^2 /NDF: 4858014.6/17

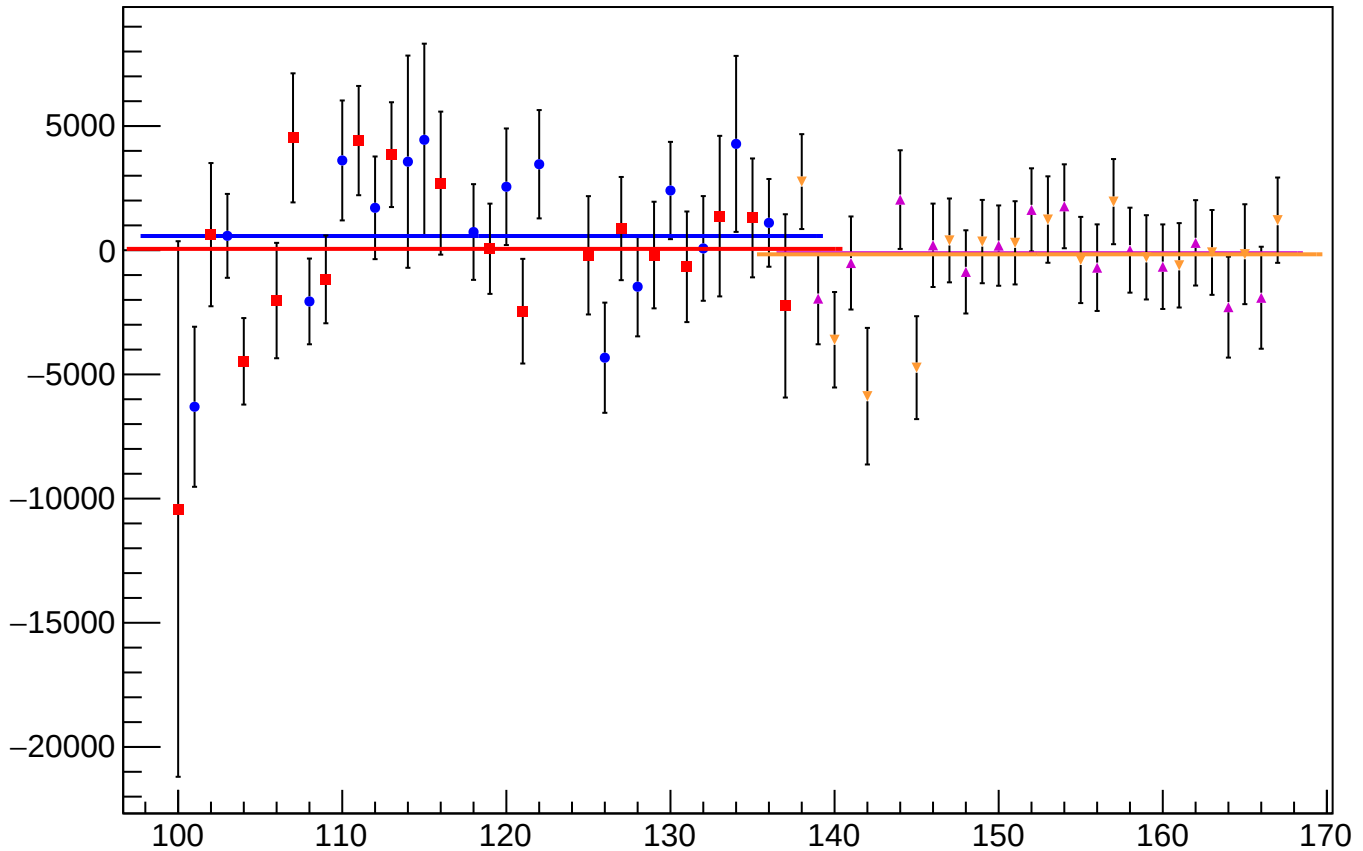
Left In: 587.103 $\pm$ 0.124 χ^2 /NDF: 653604.2/13

+ sign 584.377 $\pm$ 0.102 χ^2 /NDF: 4574958.1/30

All: 545.705 $\pm$ 0.068 χ^2 /NDF: 11130992.0/62

- sign 513.707 $\pm$ 0.093 χ^2 /NDF: 6292034.6/31

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290 $\pm$ 549.638 χ^2 /NDF: 20.8/15

Left Out: -164.312 $\pm$ 466.360 χ^2 /NDF:17.9/14

Right Out: 53.752 $\pm$ 545.353 χ^2 /NDF: 22.5/17

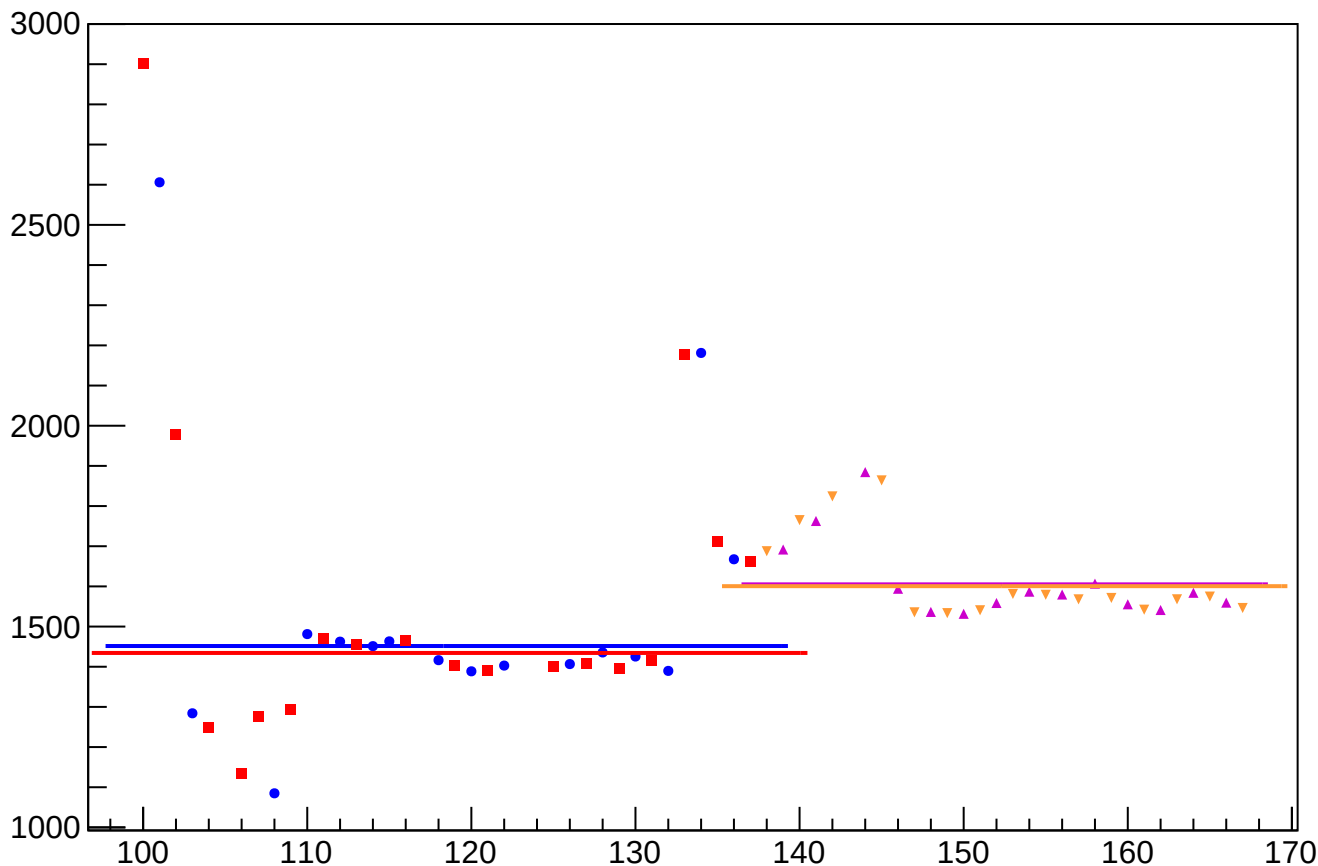
Left In: -121.341 $\pm$ 473.130 χ^2 /NDF:7.0/13

+ sign 144.015 $\pm$ 355.604 χ^2 /NDF: 39.7/30

All: 49.407 $\pm$ 252.075 χ^2 /NDF: 69.5/62

- sign -46.148 $\pm$ 357.380 χ^2 /NDF: 29.6/31

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 $\pm$ 0.389 χ^2 /NDF: 487836.2/15

Left Out: 1600.556 $\pm$ 0.330 χ^2 /NDF: 80379.9/14

Right Out: 1434.321 $\pm$ 0.386 χ^2 /NDF: 328590.5/17

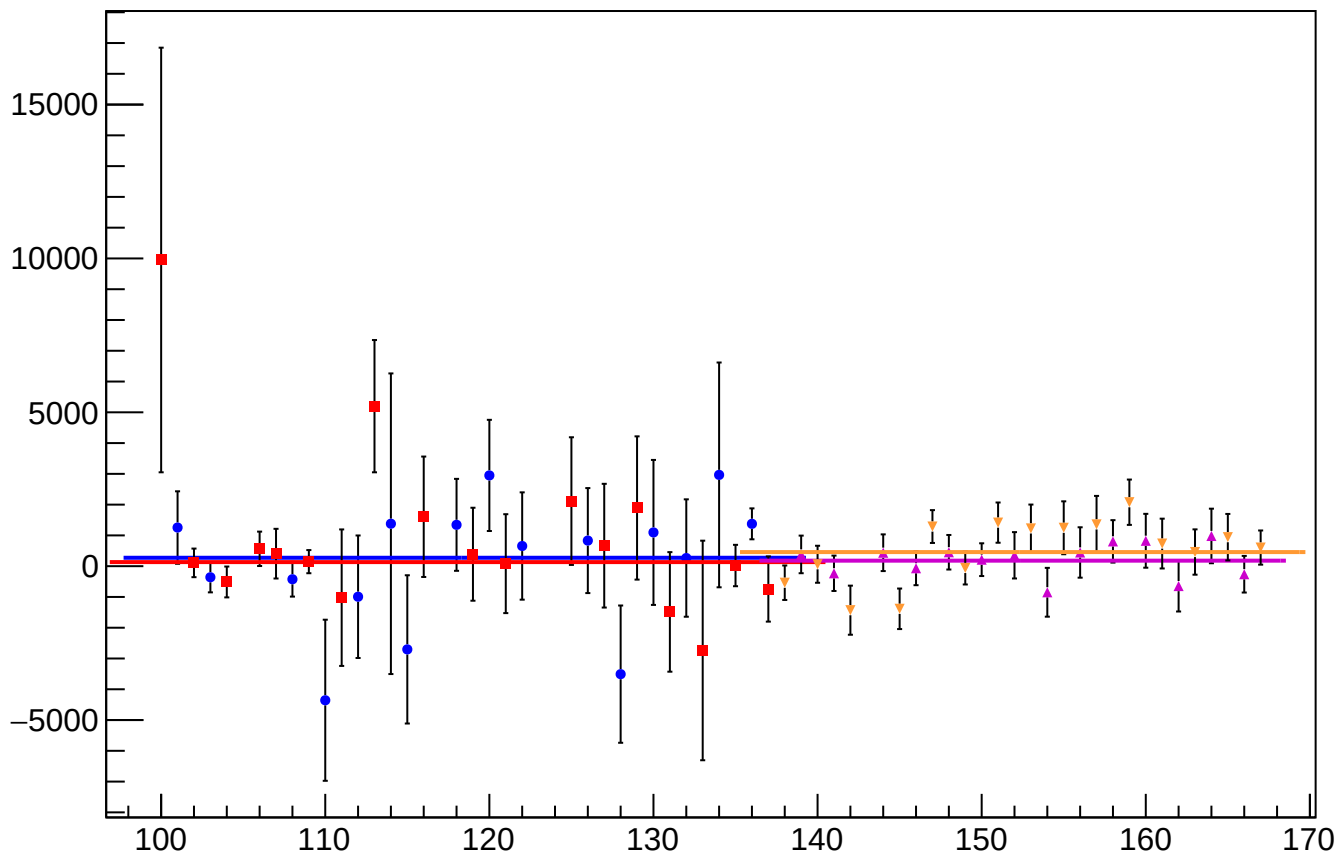
Left In: 1605.067 $\pm$ 0.335 χ^2 /NDF: 73602.0/13

+ sign 1538.197 $\pm$ 0.251 χ^2 /NDF: 653644.5/30

All: 1534.985 $\pm$ 0.178 χ^2 /NDF: 1168024.9/62

- sign 1531.741 $\pm$ 0.253 χ^2 /NDF: 514052.5/31

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: 458.205 $\pm$ 172.602 χ^2 /NDF:30.7/14

Right Out: 132.567 $\pm$ 195.935 χ^2 /NDF: 14.4/17

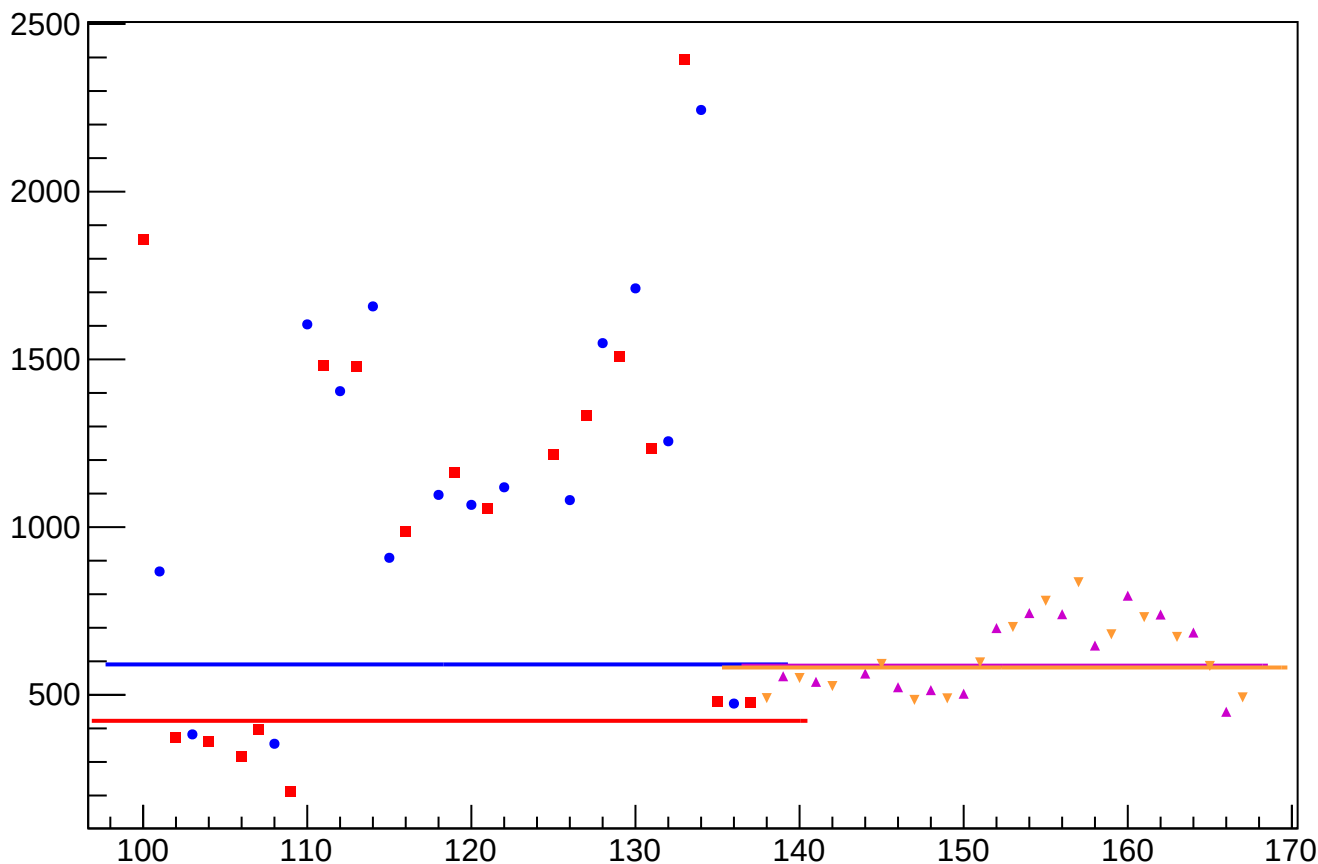
Left In: 179.285 $\pm$ 175.888 χ^2 /NDF:6.8/13

+ sign 401.845 $\pm$ 143.890 χ^2 /NDF: 51.3/30

All: 268.648 $\pm$ 96.823 χ^2 /NDF: 74.1/62

- sign 158.437 $\pm$ 130.887 χ^2 /NDF: 21.3/31

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: 581.583+/-0.122 χ^2/NDF : 687722.7/14

Right Out: 422.634+/-0.139 χ^2/NDF : 4857932.7/17

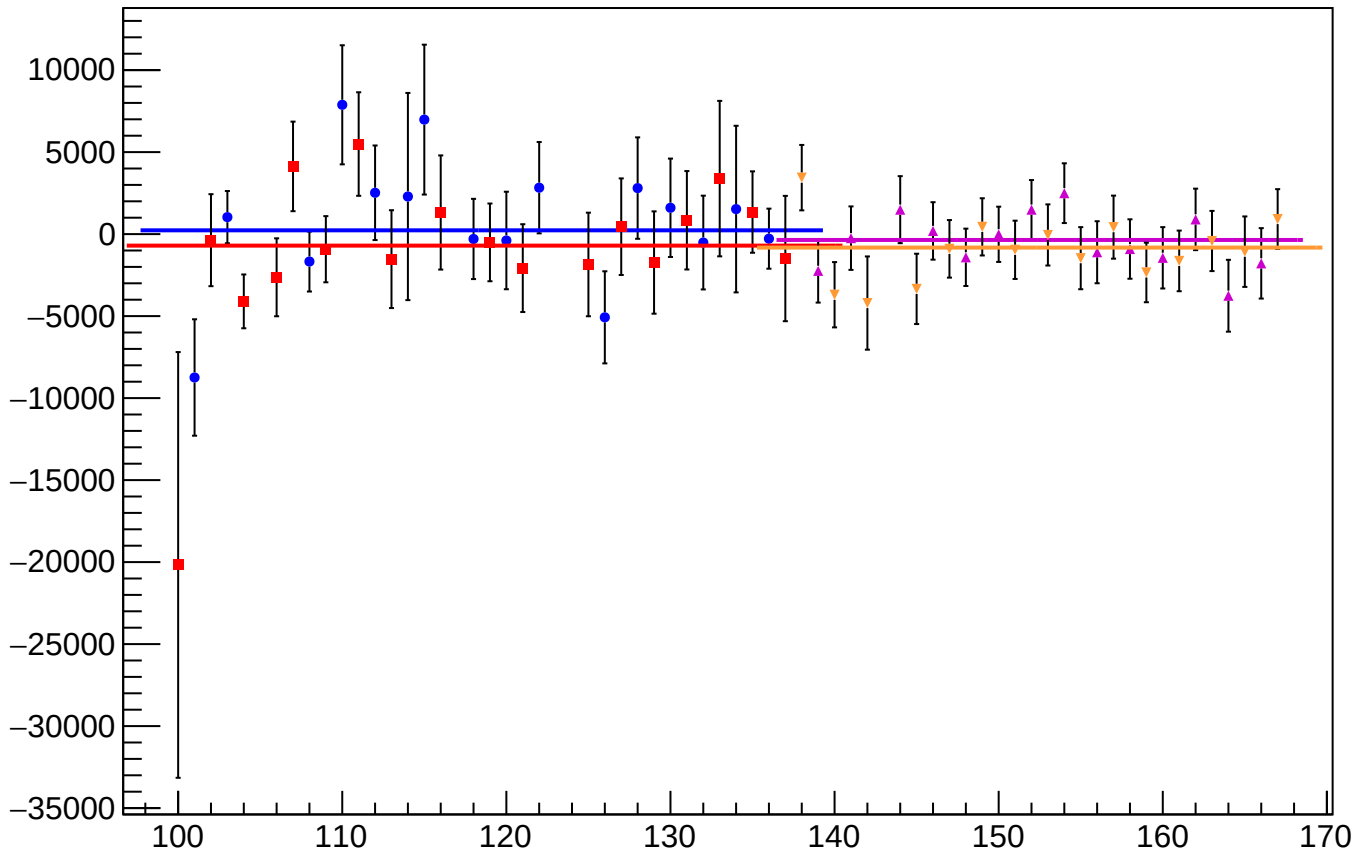
Left In: 587.103+/-0.124 χ^2/NDF : 653625.0/13

+ sign 584.378+/-0.102 χ^2/NDF : 4574972.8/30

All: 545.708+/-0.068 χ^2/NDF : 11130870.8/62

- sign 513.710+/-0.093 χ^2/NDF : 6291918.0/31

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761 $\pm$ 666.241 χ^2 /NDF: 20.7/15

Left Out: -822.222 $\pm$ 496.133 χ^2 /NDF:12.6/14

Right Out: -702.268 $\pm$ 648.319 χ^2 /NDF: 17.0/17

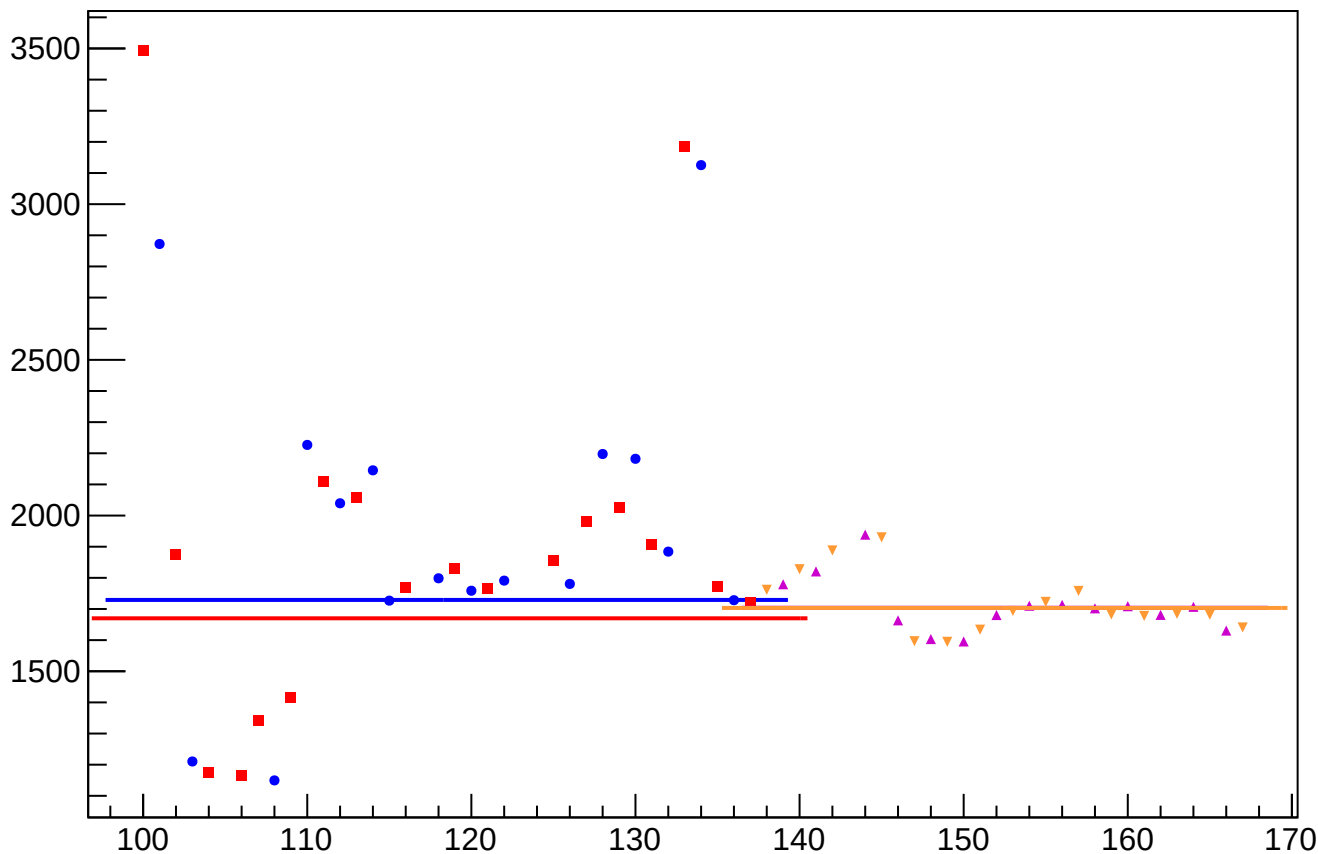
Left In: -356.910 $\pm$ 502.081 χ^2 /NDF:9.7/13

+ sign -446.598 $\pm$ 397.921 χ^2 /NDF: 34.9/30

All: -466.540 $\pm$ 281.033 χ^2 /NDF: 61.8/62

- sign -486.386 $\pm$ 396.961 χ^2 /NDF: 26.9/31

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050 ± 0.471 χ^2/NDF : 942079.1/15

Left Out: 1703.365 ± 0.351 χ^2/NDF : 63901.7/14

Right Out: 1670.056 ± 0.458 χ^2/NDF : 744452.0/17

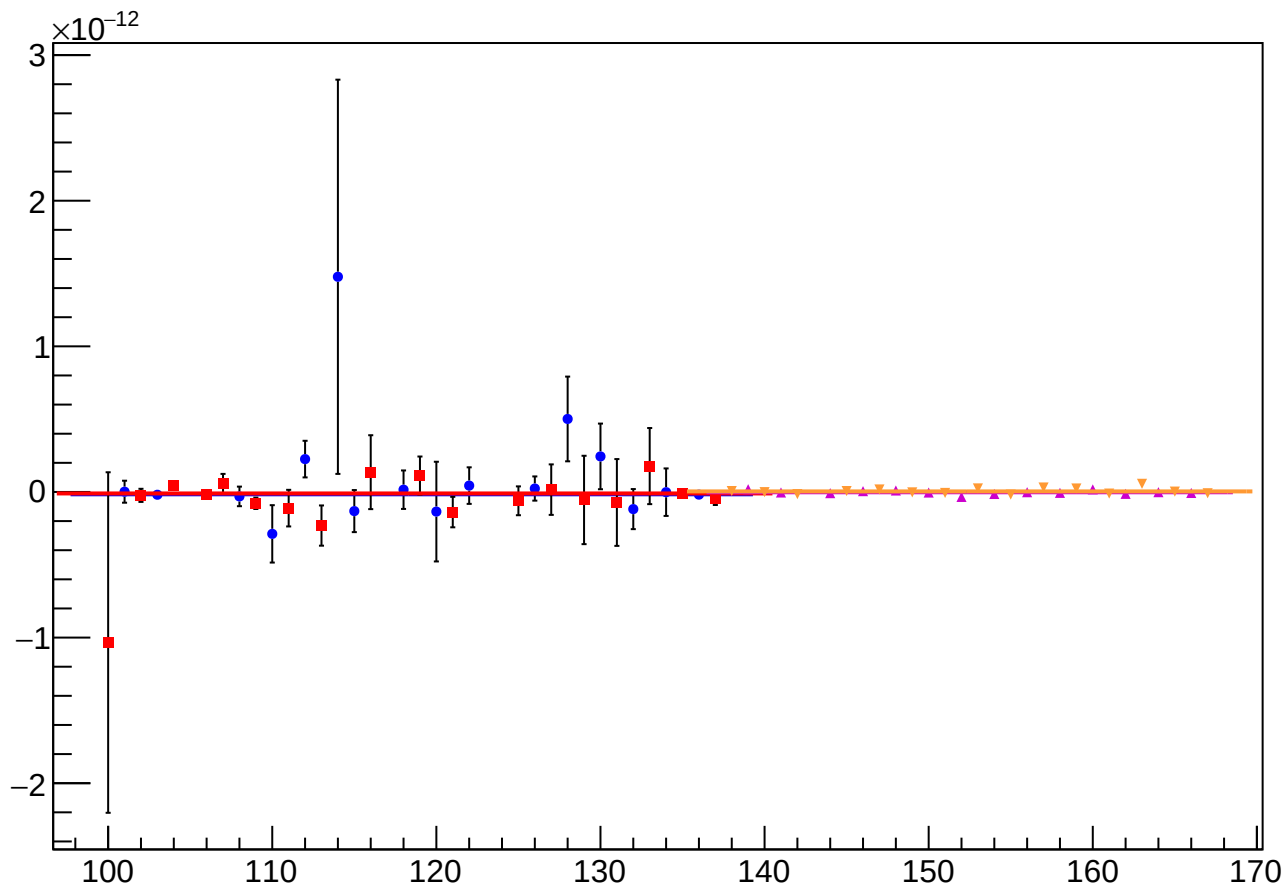
Left In: 1703.917 ± 0.355 χ^2/NDF : 55690.8/13

+ sign 1712.527 ± 0.281 χ^2/NDF : 1007892.9/30

All: 1701.849 ± 0.199 χ^2/NDF : 1814319.6/62

- sign 1691.223 ± 0.281 χ^2/NDF : 803553.2/31

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 : 13.2/14

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.4/17

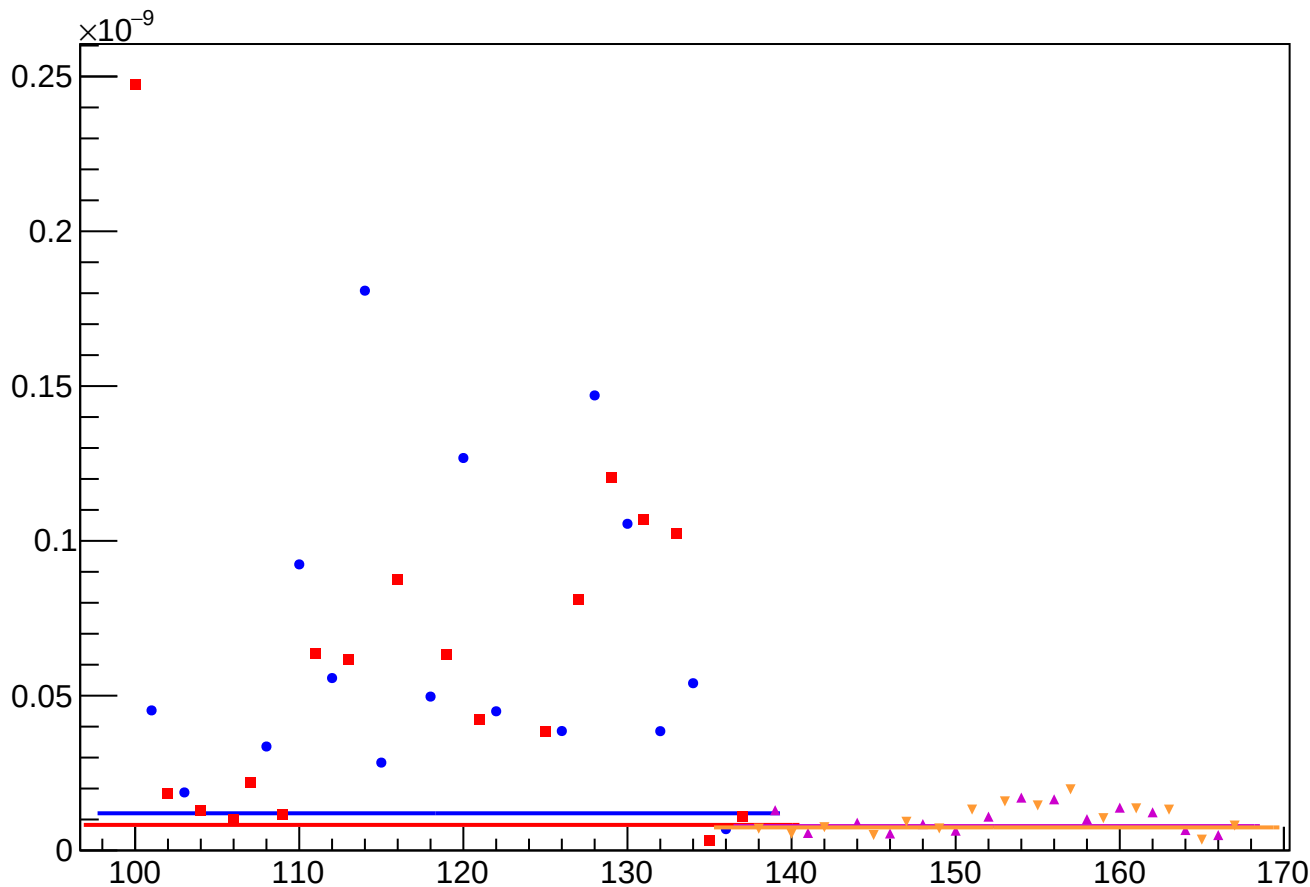
Left In: -0.000 ± 0.000 χ^2/NDF : 7.0/13

+ sign 0.000 ± 0.000 χ^2/NDF : 29.7/30

All: -0.000 ± 0.000 χ^2/NDF : 54.9/62

- sign -0.000 ± 0.000 χ^2/NDF : 24.2/31

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: 1728973.2/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3510130.7/17

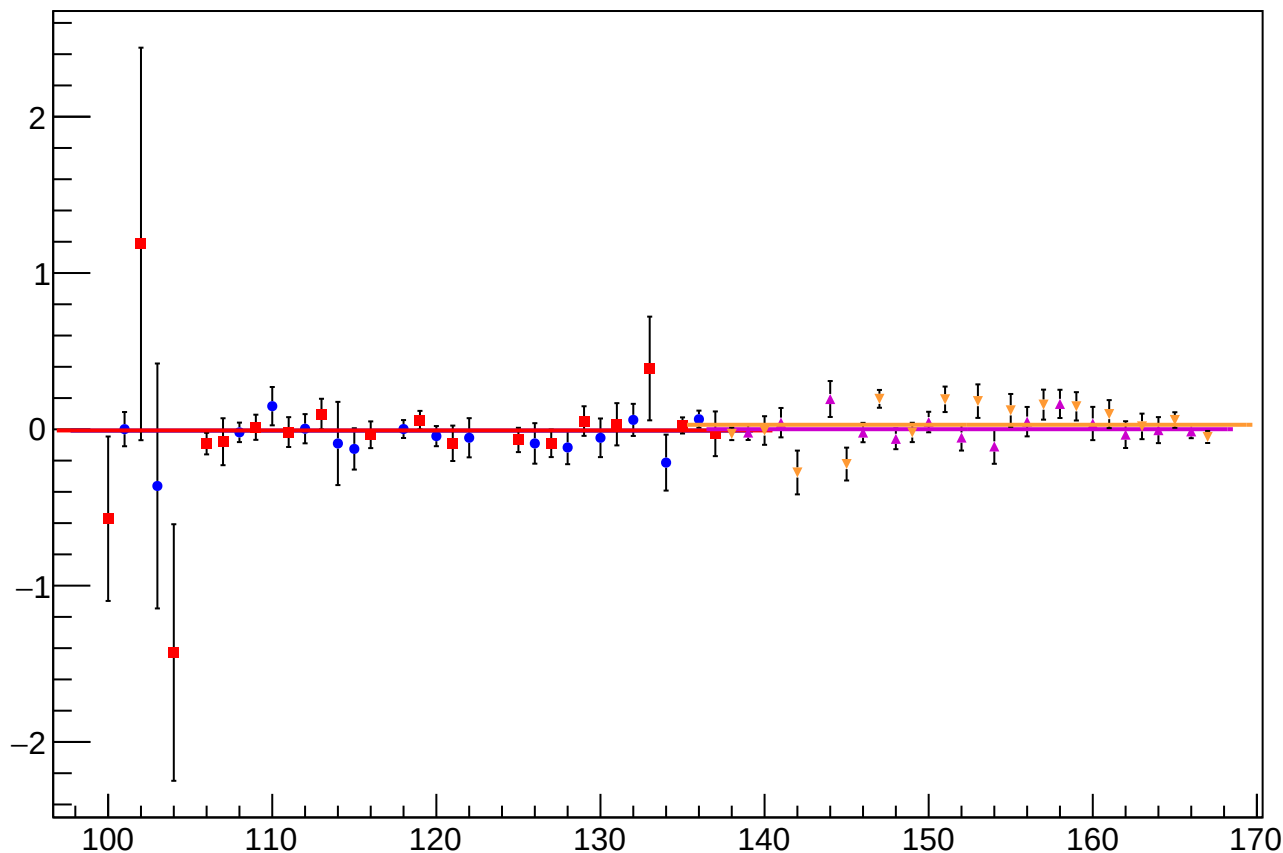
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1274859.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5502942.0/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10291391.1/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4788211.2/31

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.023 $\chi^2/\text{NDF}: 8.3/15$

Left Out: 0.029 ± 0.017 $\chi^2/\text{NDF}: 37.2/14$

Right Out: -0.007 ± 0.022 $\chi^2/\text{NDF}: 13.7/17$

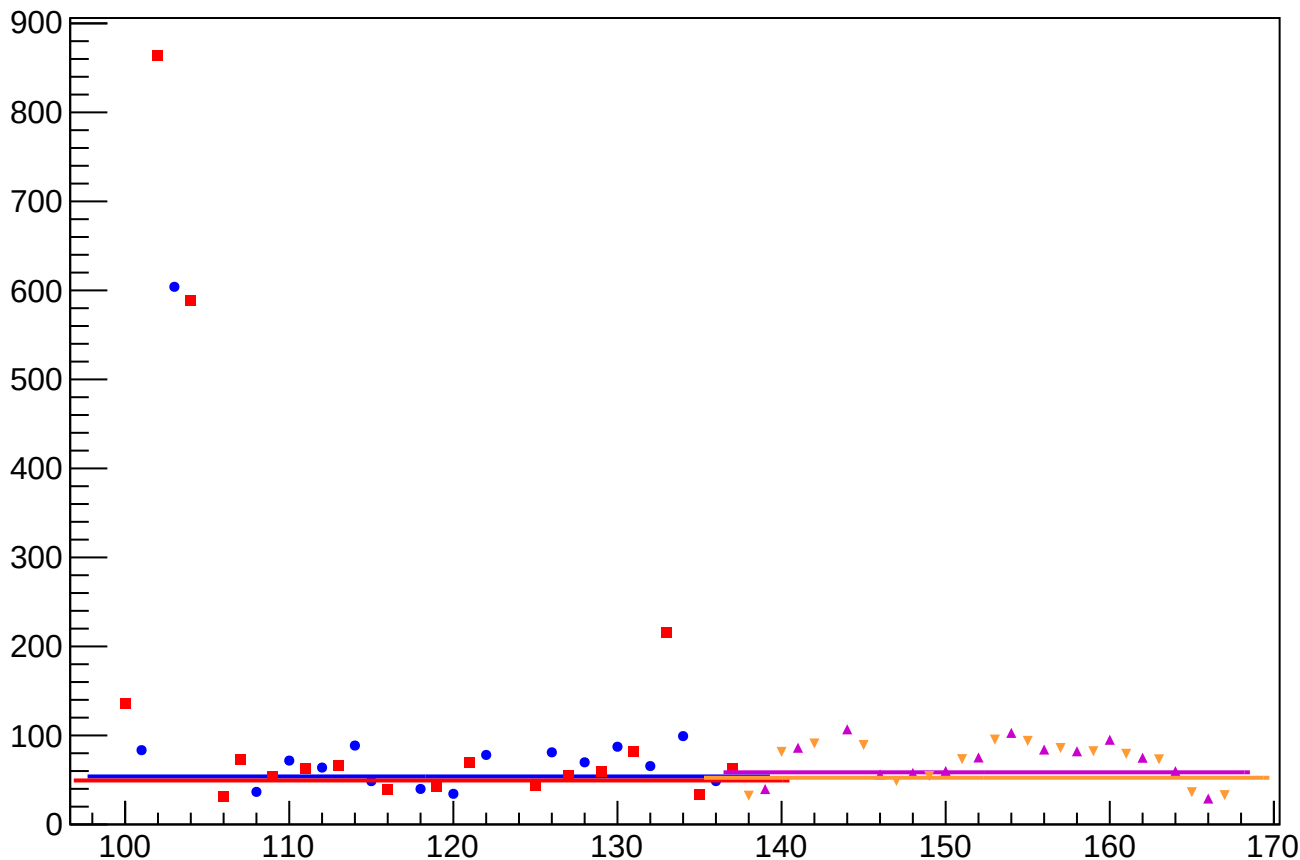
Left In: 0.001 ± 0.019 $\chi^2/\text{NDF}: 10.0/13$

+ sign 0.016 ± 0.014 $\chi^2/\text{NDF}: 47.1/30$

All: 0.007 ± 0.010 $\chi^2/\text{NDF}: 71.7/62$

- sign -0.003 ± 0.015 $\chi^2/\text{NDF}: 23.7/31$

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926 ± 0.016 $\chi^2/\text{NDF}: 2214348.1/15$

Left Out: 52.453 ± 0.012 $\chi^2/\text{NDF}: 3379113.1/14$

Right Out: 49.420 ± 0.016 $\chi^2/\text{NDF}: 3017719.3/17$

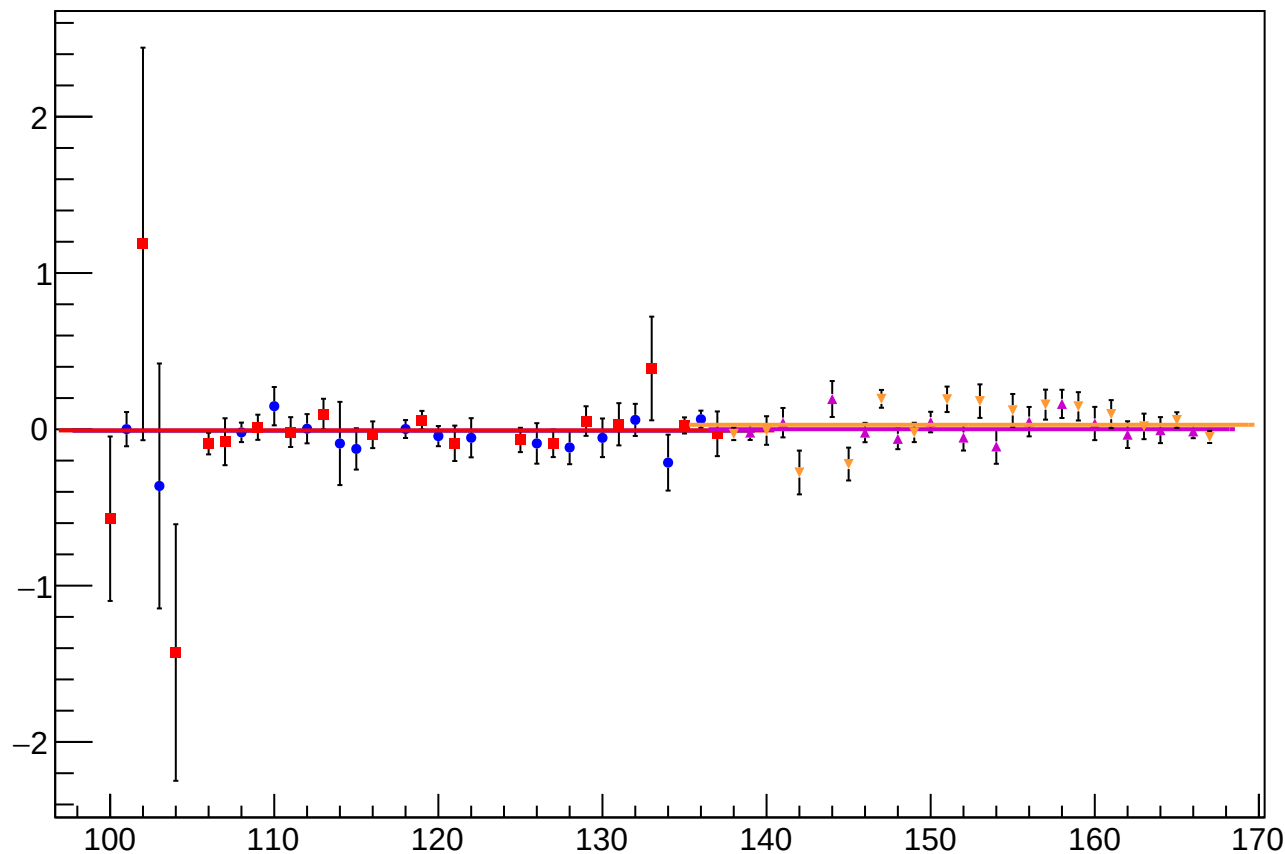
Left In: 58.574 ± 0.014 $\chi^2/\text{NDF}: 2749555.7/13$

+ sign 52.979 ± 0.010 $\chi^2/\text{NDF}: 5598685.2/30$

All: 53.775 ± 0.007 $\chi^2/\text{NDF}: 11574137.0/62$

- sign 54.658 ± 0.010 $\chi^2/\text{NDF}: 5961440.2/31$

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: 0.029 ± 0.017 χ^2/NDF : 37.2/14

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

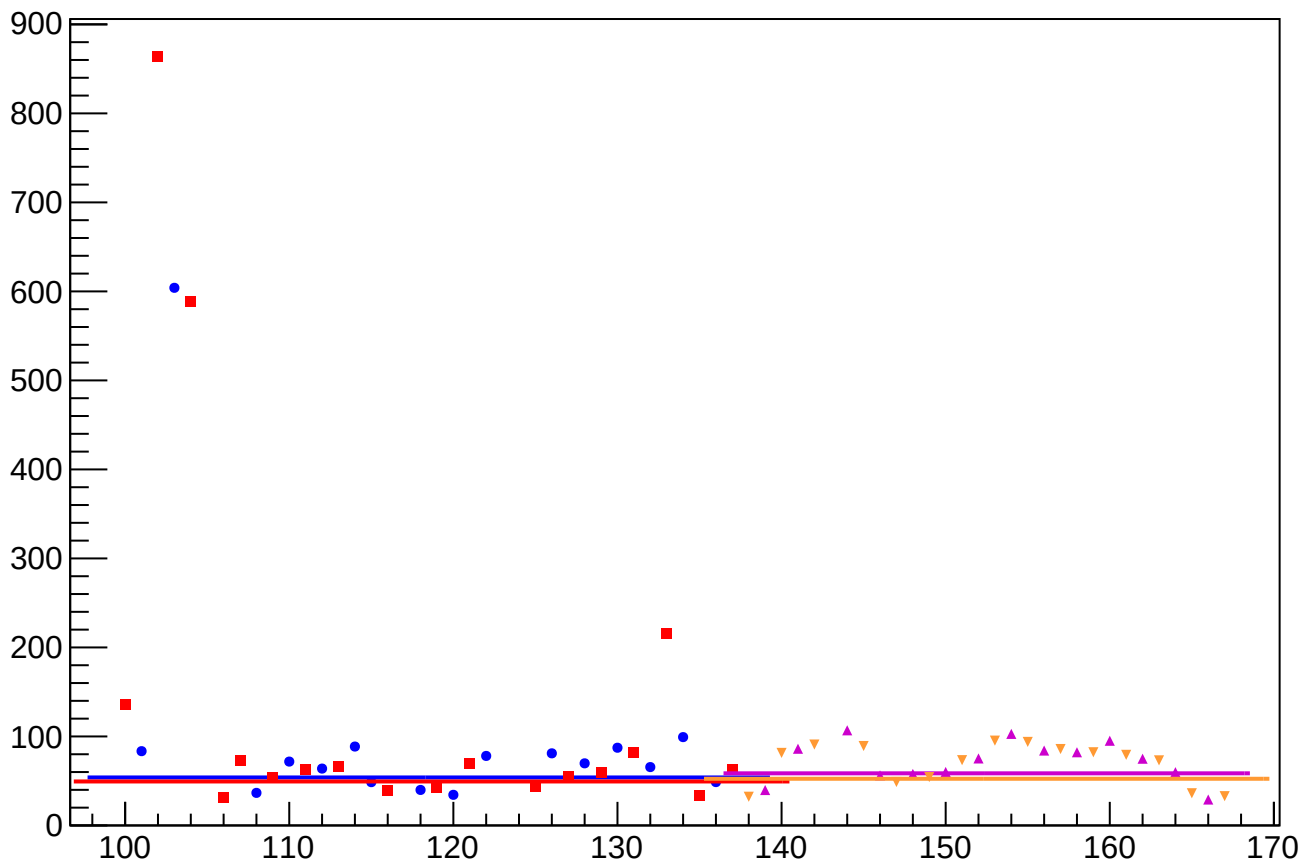
Left In: 0.001 ± 0.019 χ^2/NDF : 10.0/13

+ sign 0.016 ± 0.014 χ^2/NDF : 47.1/30

All: 0.007 ± 0.010 χ^2/NDF : 71.7/62

- sign -0.003 ± 0.015 χ^2/NDF : 23.7/31

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: 52.453 $\pm$ 0.012 χ^2 /NDF: 3379113.1/14

Right Out: 49.420 $\pm$ 0.016 χ^2 /NDF: 3017719.3/17

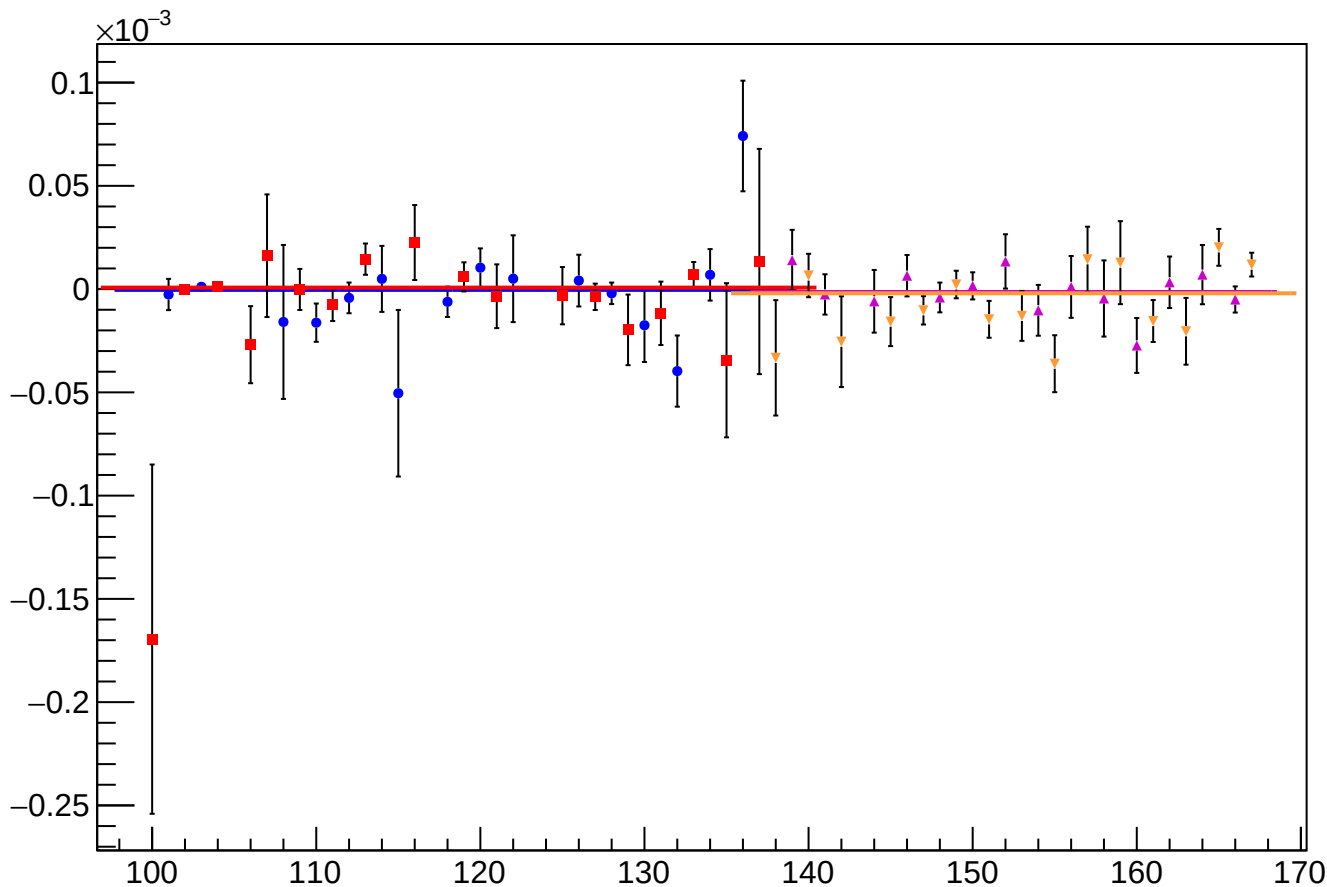
Left In: 58.574 $\pm$ 0.014 χ^2 /NDF: 2749555.7/13

+ sign 52.979 $\pm$ 0.010 χ^2 /NDF: 5598685.2/30

All: 53.775 $\pm$ 0.007 χ^2 /NDF: 11574137.0/62

- sign 54.658 $\pm$ 0.010 χ^2 /NDF: 5961440.2/31

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: 31.9/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/17

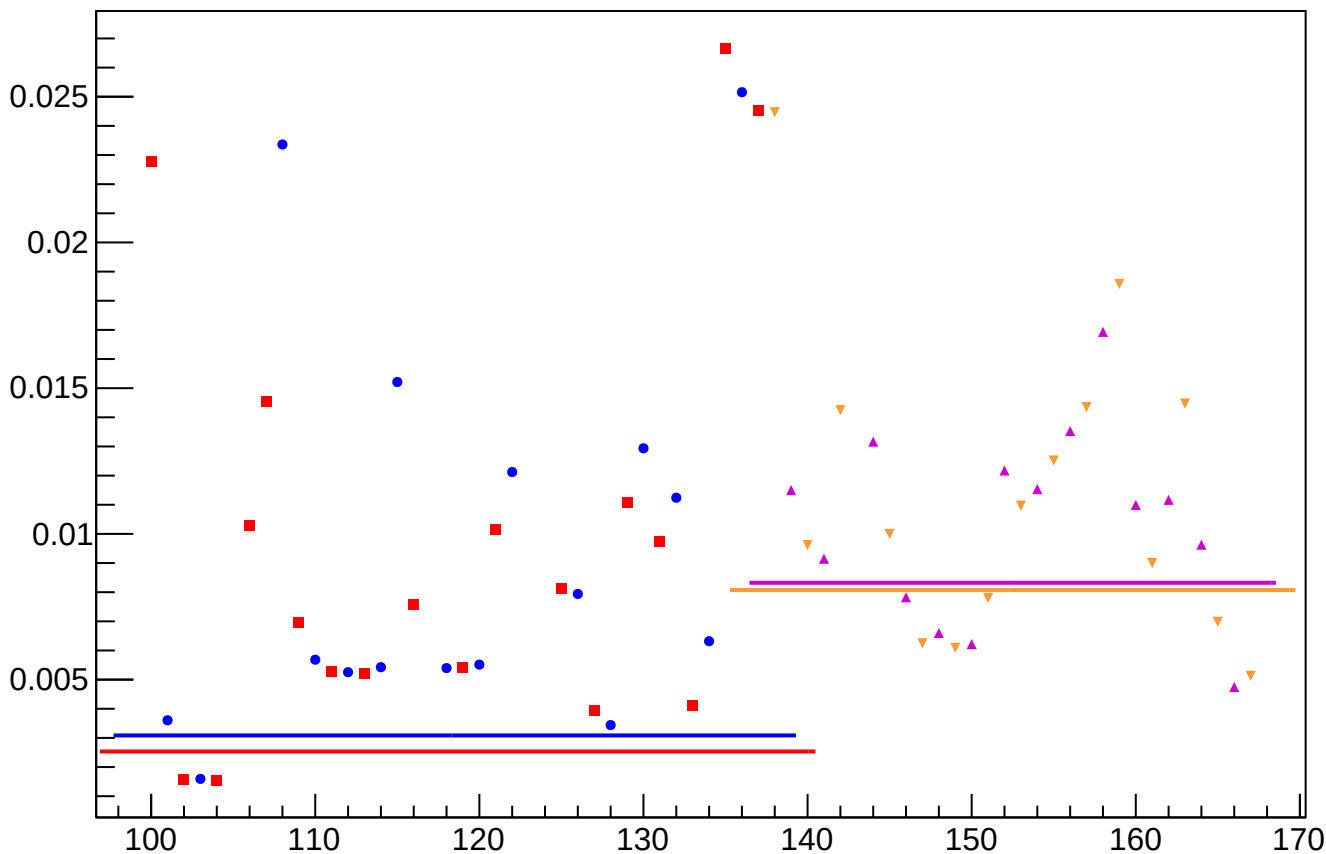
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.3/30

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 81.7/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/31

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: 0.008+/-0.000 χ^2/NDF : 3329796.6/14

Right Out: 0.003+/-0.000 χ^2/NDF : 6237059.6/17

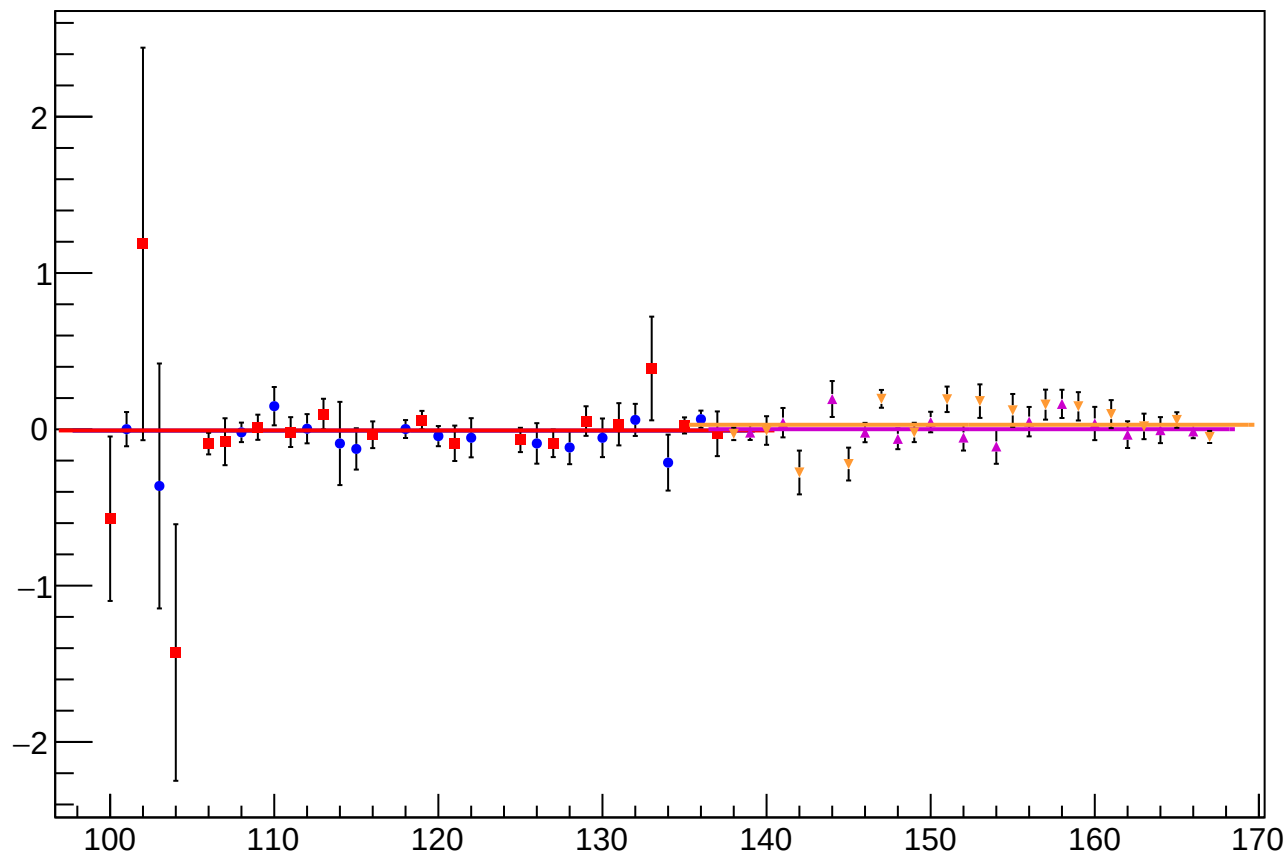
Left In: 0.008+/-0.000 χ^2/NDF : 2462589.5/13

+ sign 0.004+/-0.000 χ^2/NDF : 14479359.5/30

All: 0.004+/-0.000 χ^2/NDF : 31095275.0/62

- sign 0.004+/-0.000 χ^2/NDF : 16065647.6/31

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: 0.029 ± 0.017 $\chi^2/\text{NDF}: 37.2/14$

Right Out: -0.007 ± 0.022 $\chi^2/\text{NDF}: 13.7/17$

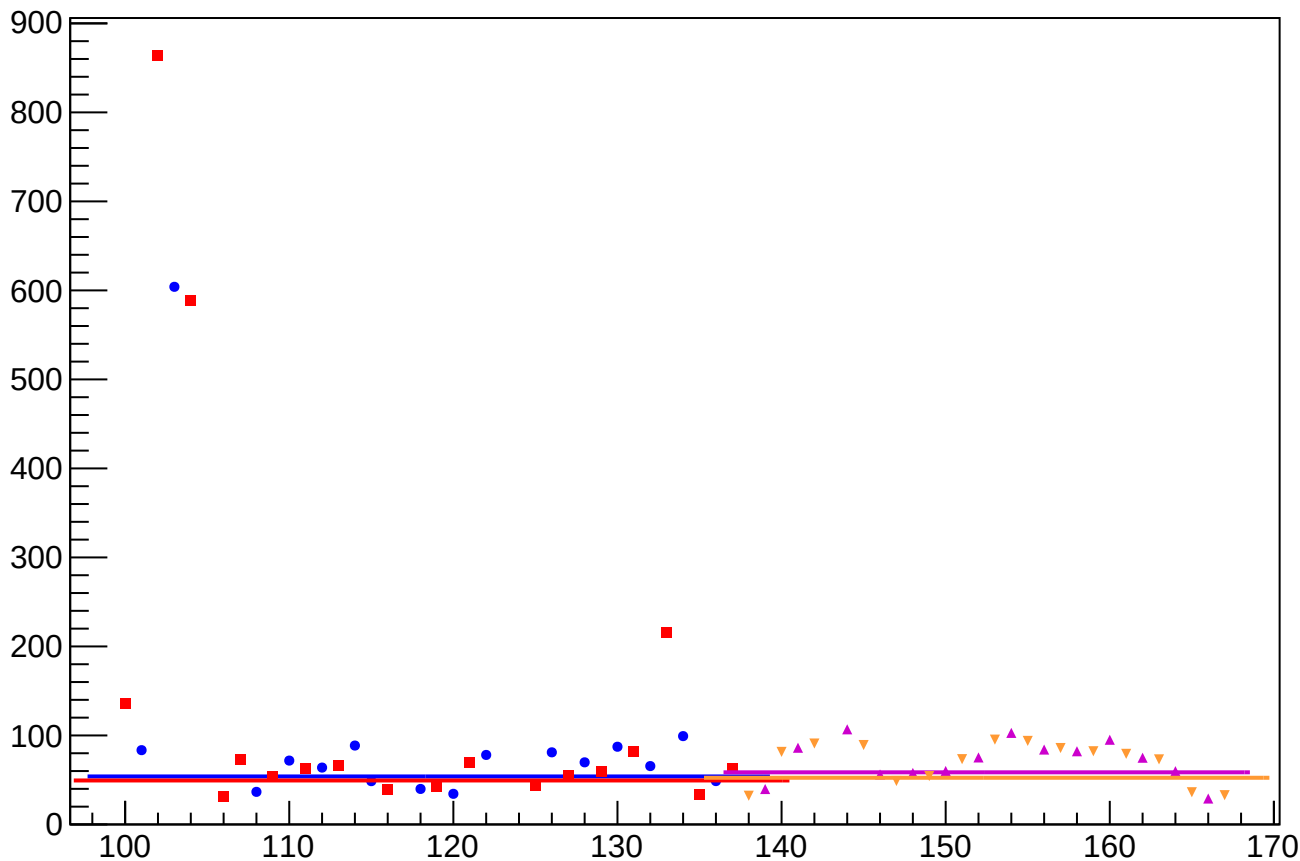
Left In: 0.001 ± 0.019 $\chi^2/\text{NDF}: 10.0/13$

+ sign 0.016 ± 0.014 $\chi^2/\text{NDF}: 47.2/30$

All: 0.007 ± 0.010 $\chi^2/\text{NDF}: 71.7/62$

- sign -0.003 ± 0.015 $\chi^2/\text{NDF}: 23.7/31$

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: 52.457 $\pm$ 0.012 χ^2 /NDF: 3378145.2/14

Right Out: 49.422 $\pm$ 0.016 χ^2 /NDF: 3017440.2/17

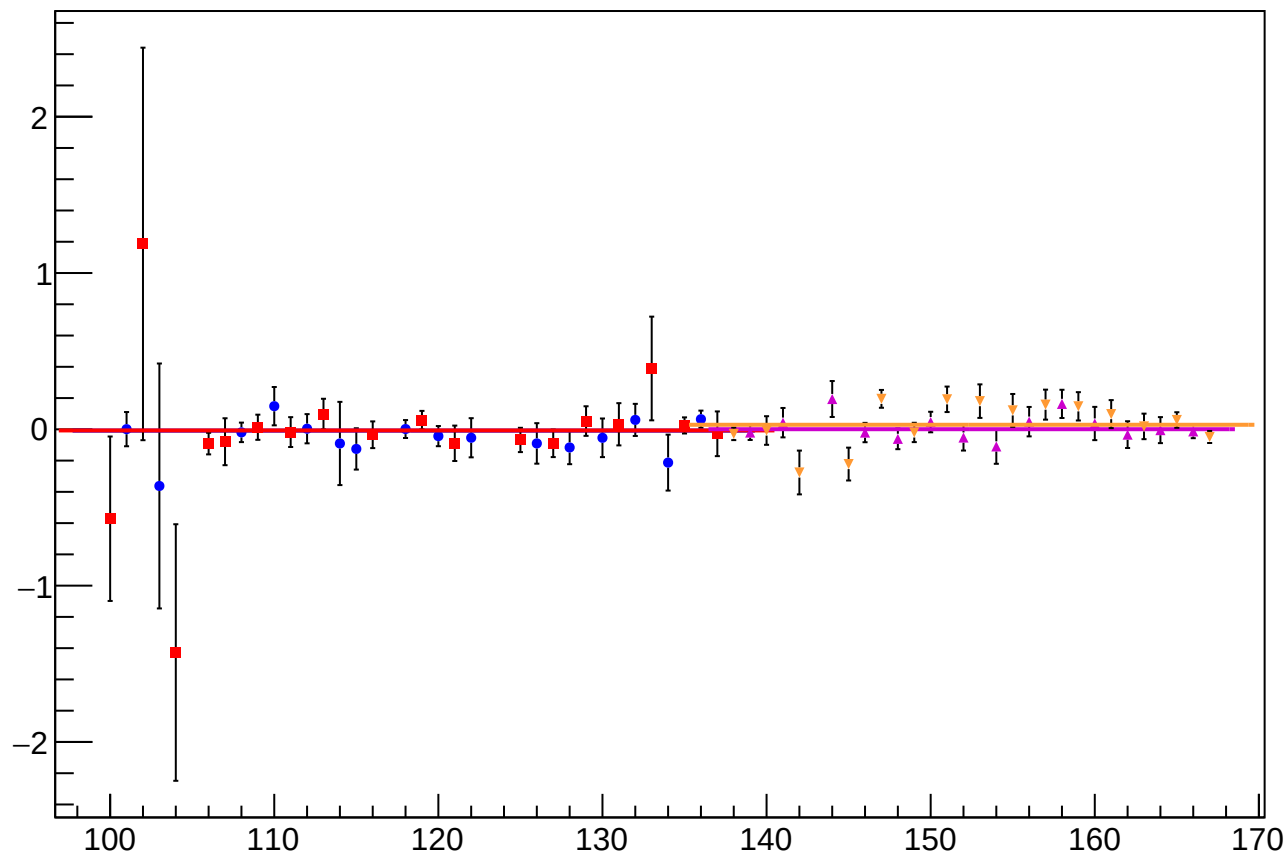
Left In: 58.575 $\pm$ 0.014 χ^2 /NDF: 2749279.7/13

+ sign 52.983 $\pm$ 0.010 χ^2 /NDF: 5597317.5/30

All: 53.778 $\pm$ 0.007 χ^2 /NDF: 11572126.3/62

- sign 54.659 $\pm$ 0.010 χ^2 /NDF: 5960831.1/31

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: 0.029 ± 0.017 χ^2/NDF : 37.2/14

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

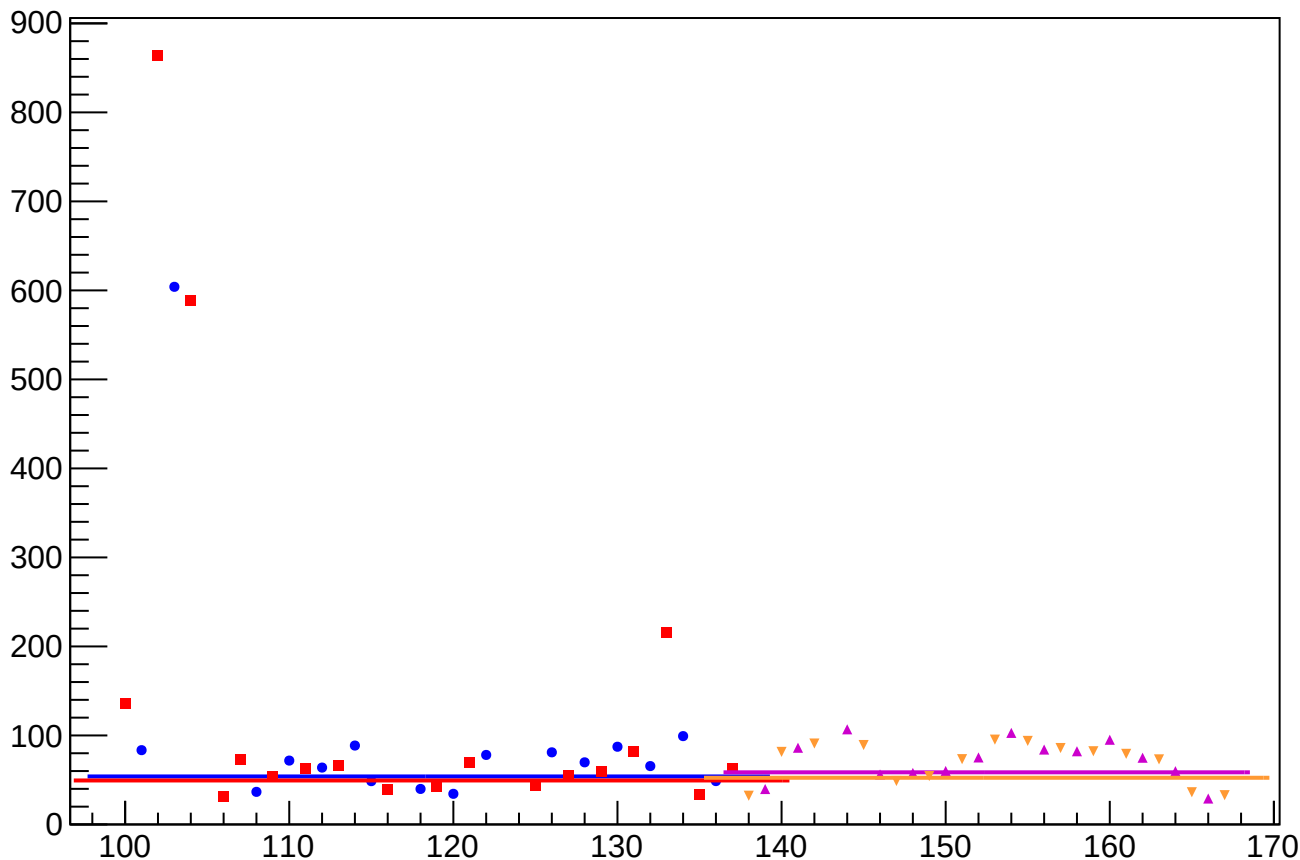
Left In: 0.001 ± 0.019 χ^2/NDF : 10.0/13

+ sign 0.016 ± 0.014 χ^2/NDF : 47.2/30

All: 0.007 ± 0.010 χ^2/NDF : 71.7/62

- sign -0.003 ± 0.015 χ^2/NDF : 23.7/31

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: 52.457 $\pm$ 0.012 χ^2 /NDF: 3378145.2/14

Right Out: 49.422 $\pm$ 0.016 χ^2 /NDF: 3017440.2/17

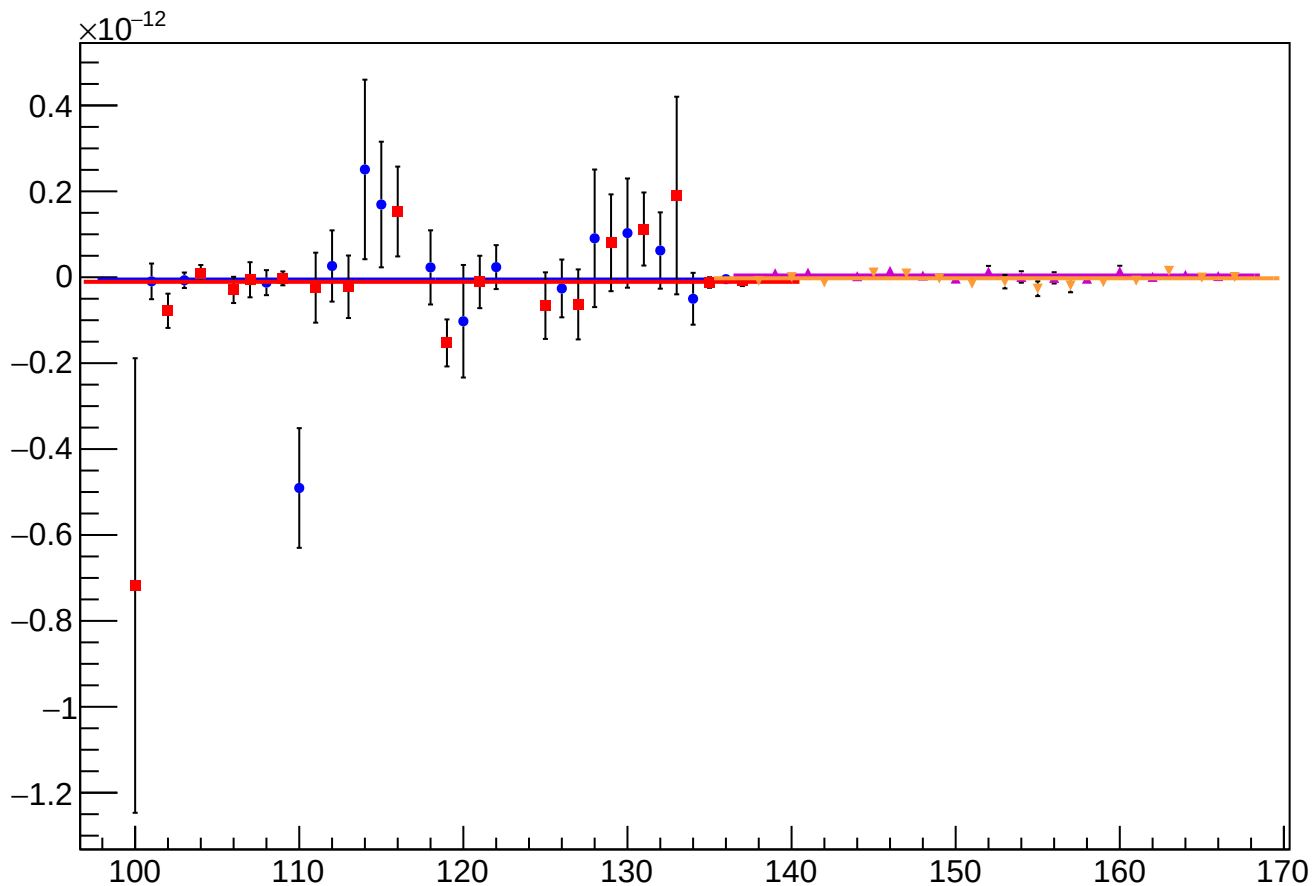
Left In: 58.575 $\pm$ 0.014 χ^2 /NDF: 2749279.7/13

+ sign 52.983 $\pm$ 0.010 χ^2 /NDF: 5597317.5/30

All: 53.778 $\pm$ 0.007 χ^2 /NDF: 11572126.3/62

- sign 54.659 $\pm$ 0.010 χ^2 /NDF: 5960831.1/31

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_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 : 14.3/14

Right Out: -0.000+/-0.000 χ^2/NDF : 20.1/17

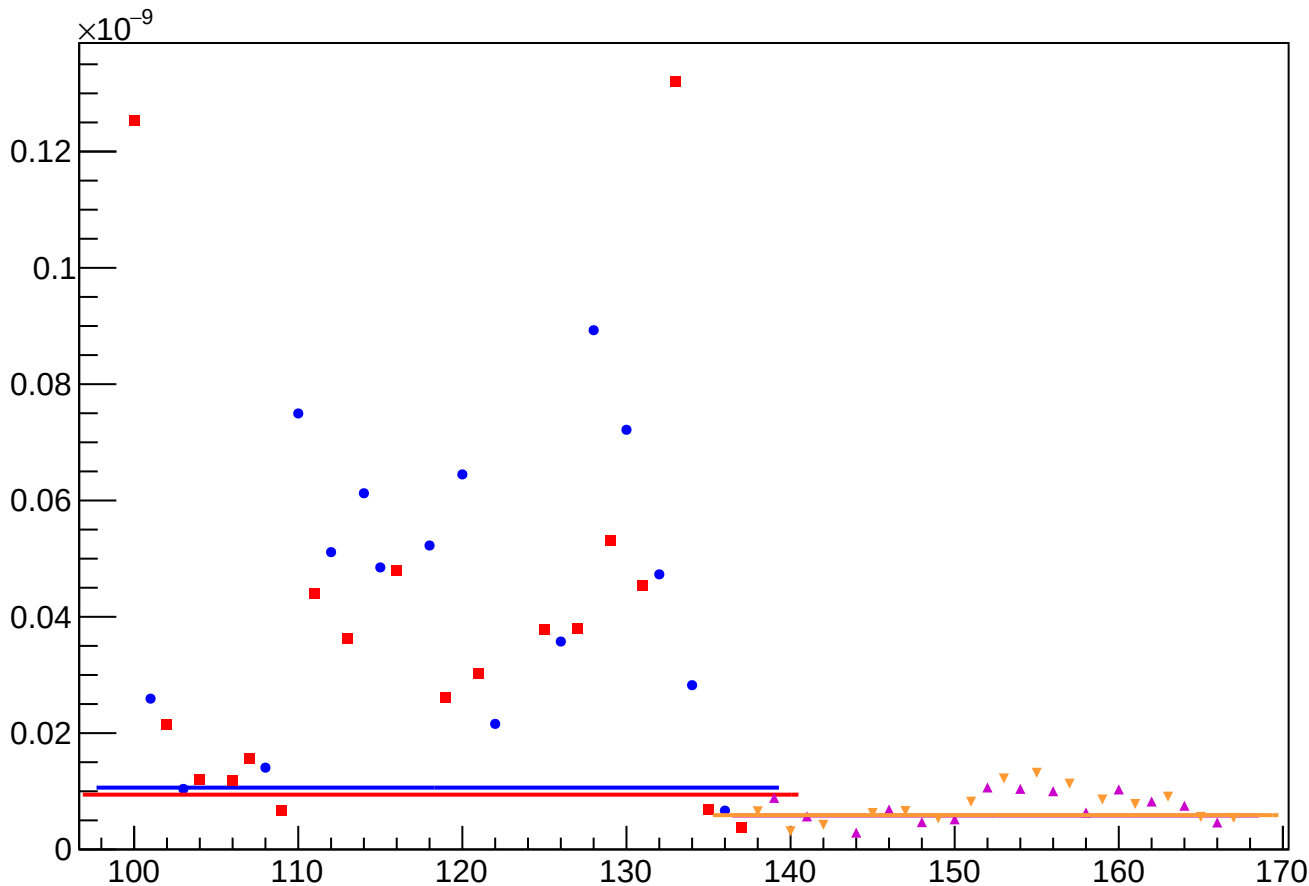
Left In: 0.000+/-0.000 χ^2/NDF : 6.0/13

+ sign -0.000+/-0.000 χ^2/NDF : 33.1/30

All: -0.000+/-0.000 χ^2/NDF : 66.7/62

- sign 0.000+/-0.000 χ^2/NDF : 30.7/31

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 : 2207536.9/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4029424.5/17

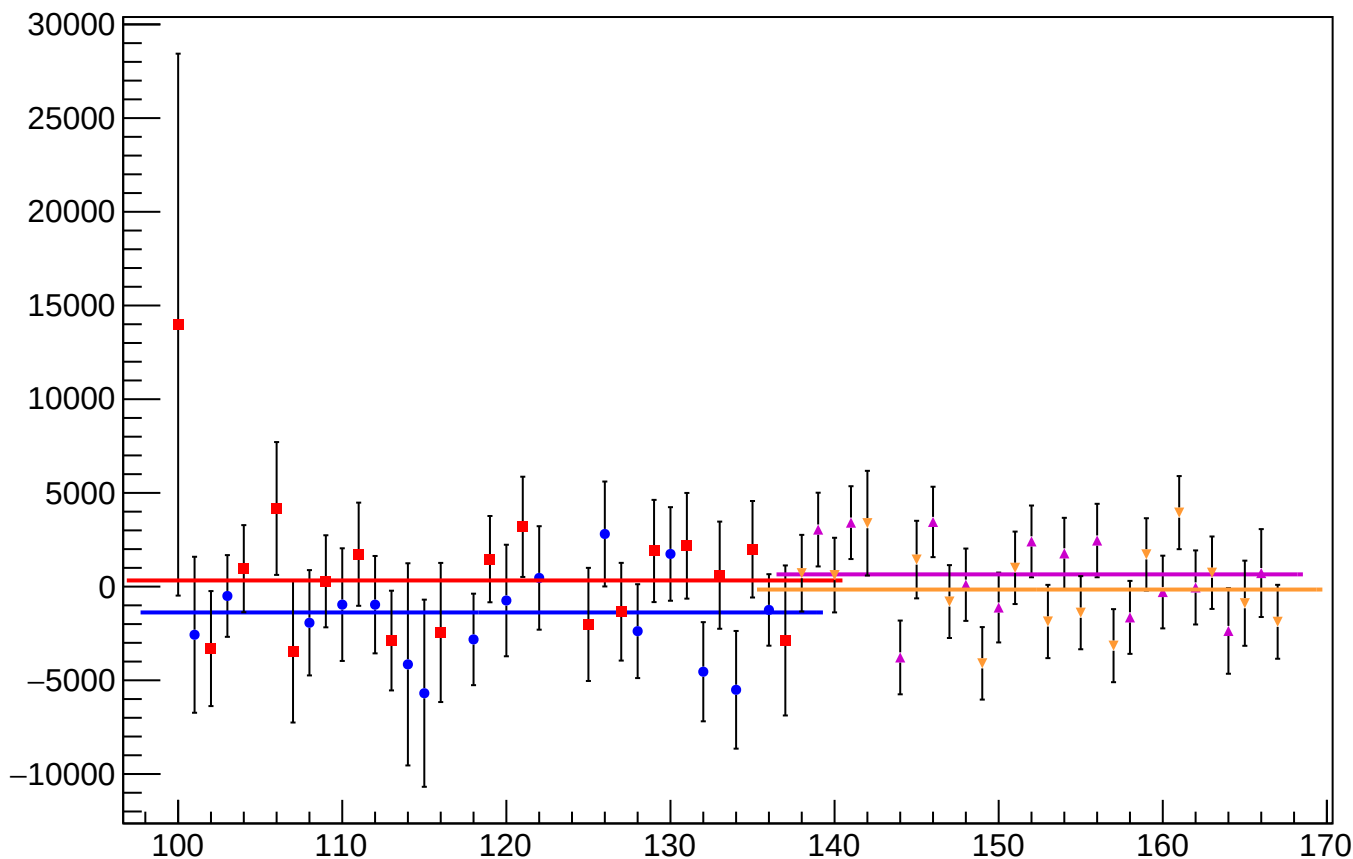
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2118987.8/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7628346.6/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 14332604.4/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6699925.9/31

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758 $\pm$ 689.030 χ^2 /NDF: 9.3/15

Left Out: -156.785 $\pm$ 520.581 χ^2 /NDF: 17.1/14

Right Out: 328.770 $\pm$ 683.888 χ^2 /NDF: 11.0/17

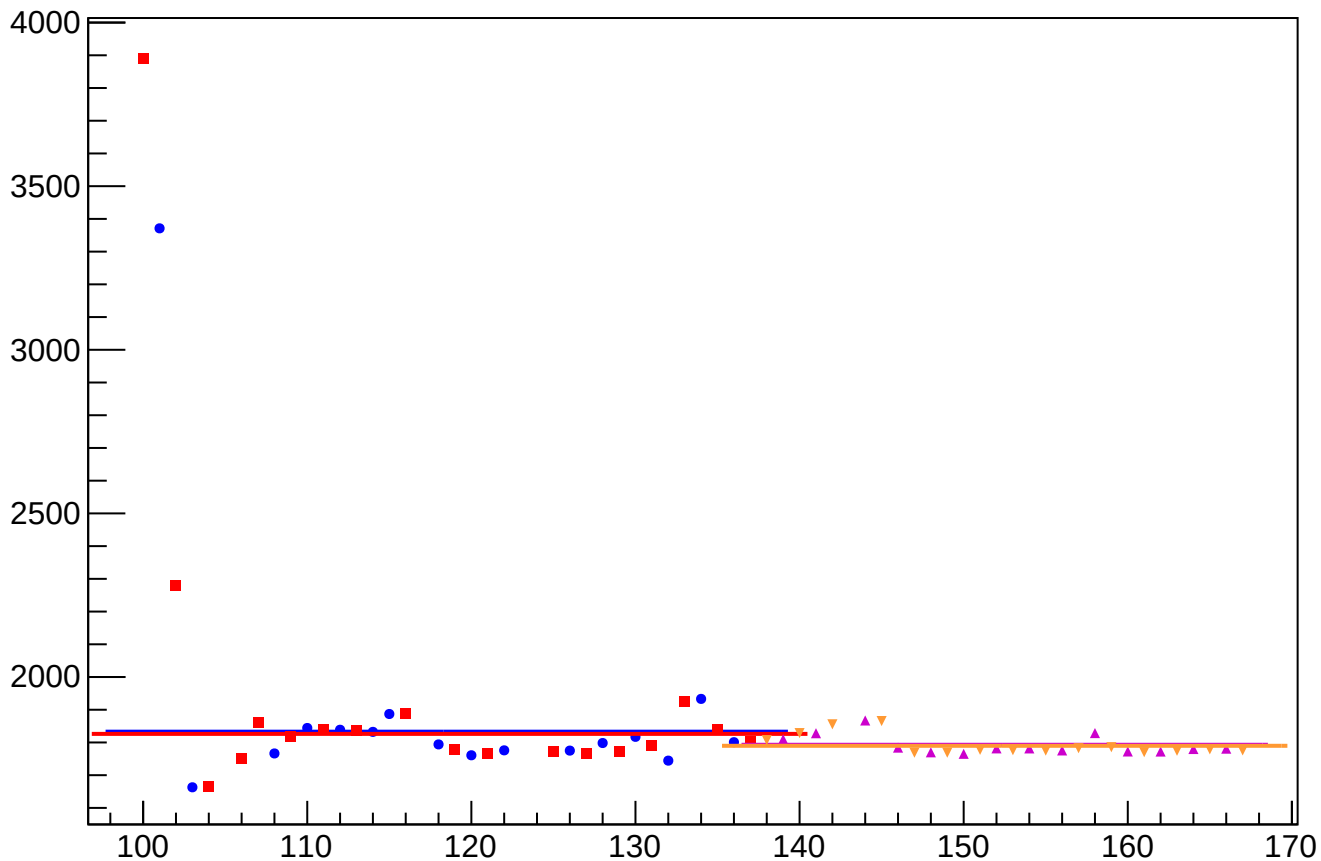
Left In: 653.046 $\pm$ 527.669 χ^2 /NDF: 17.3/13

+ sign -600.839 $\pm$ 415.360 χ^2 /NDF: 28.4/30

All: -37.678 $\pm$ 294.552 χ^2 /NDF: 60.6/62

- sign 532.037 $\pm$ 417.770 χ^2 /NDF: 28.5/31

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295439.4/15

Left Out: 1789.811 $\pm$ 0.368 χ^2 /NDF: 5951.9/14

Right Out: 1826.208 $\pm$ 0.484 χ^2 /NDF: 103006.6/17

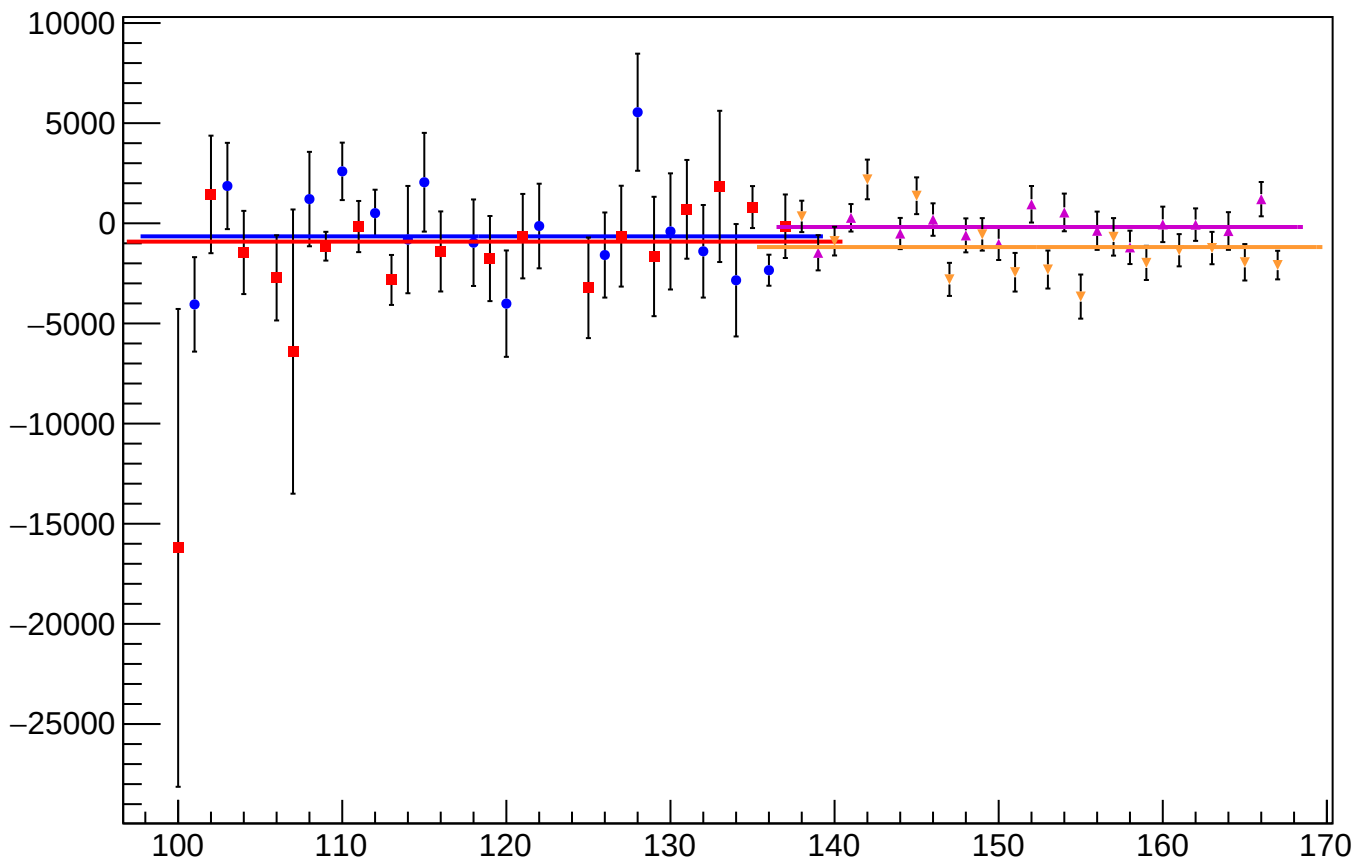
Left In: 1792.911 $\pm$ 0.373 χ^2 /NDF: 5940.5/13

+ sign 1805.486 $\pm$ 0.294 χ^2 /NDF: 306381.3/30

All: 1805.412 $\pm$ 0.208 χ^2 /NDF: 418300.3/62

- sign 1805.337 $\pm$ 0.295 χ^2 /NDF: 111918.9/31

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -651.944 $\pm$ 442.135 χ^2 /NDF: 23.2/15

Left Out: -1186.225 $\pm$ 220.603 χ^2 /NDF:39.5/14

Right Out: -914.717 $\pm$ 393.421 χ^2 /NDF: 11.5/17

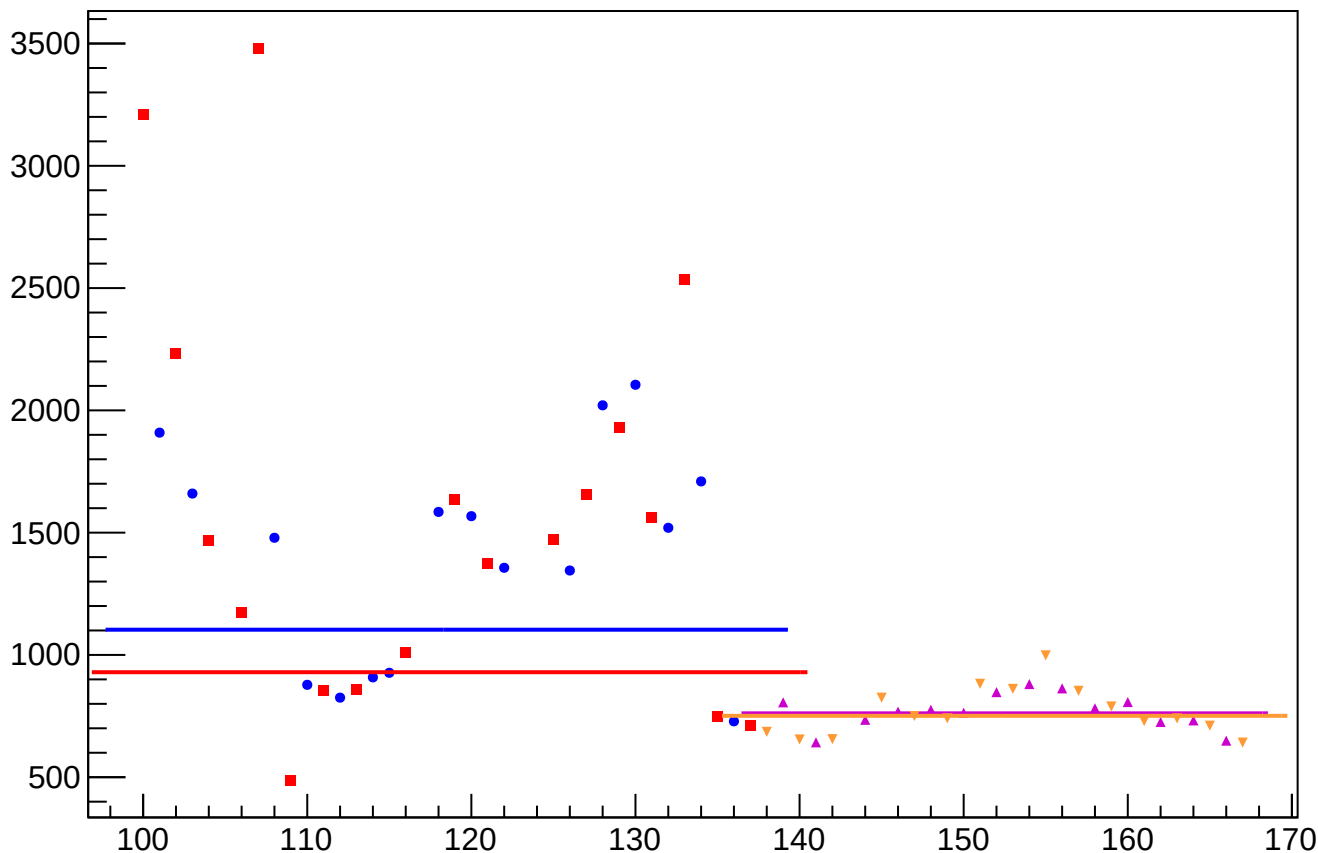
Left In: -184.479 $\pm$ 225.455 χ^2 /NDF:10.7/13

+ sign -1079.727 $\pm$ 197.396 χ^2 /NDF: 63.8/30

All: -719.122 $\pm$ 138.945 χ^2 /NDF: 95.3/62

- sign -365.005 $\pm$ 195.612 χ^2 /NDF: 24.8/31

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183 $\pm$ 0.313 χ^2 /NDF: 1878176.1/15

Left Out: 751.080 $\pm$ 0.156 χ^2 /NDF: 327636.2/14

Right Out: 929.356 $\pm$ 0.278 χ^2 /NDF: 3054092.4/17

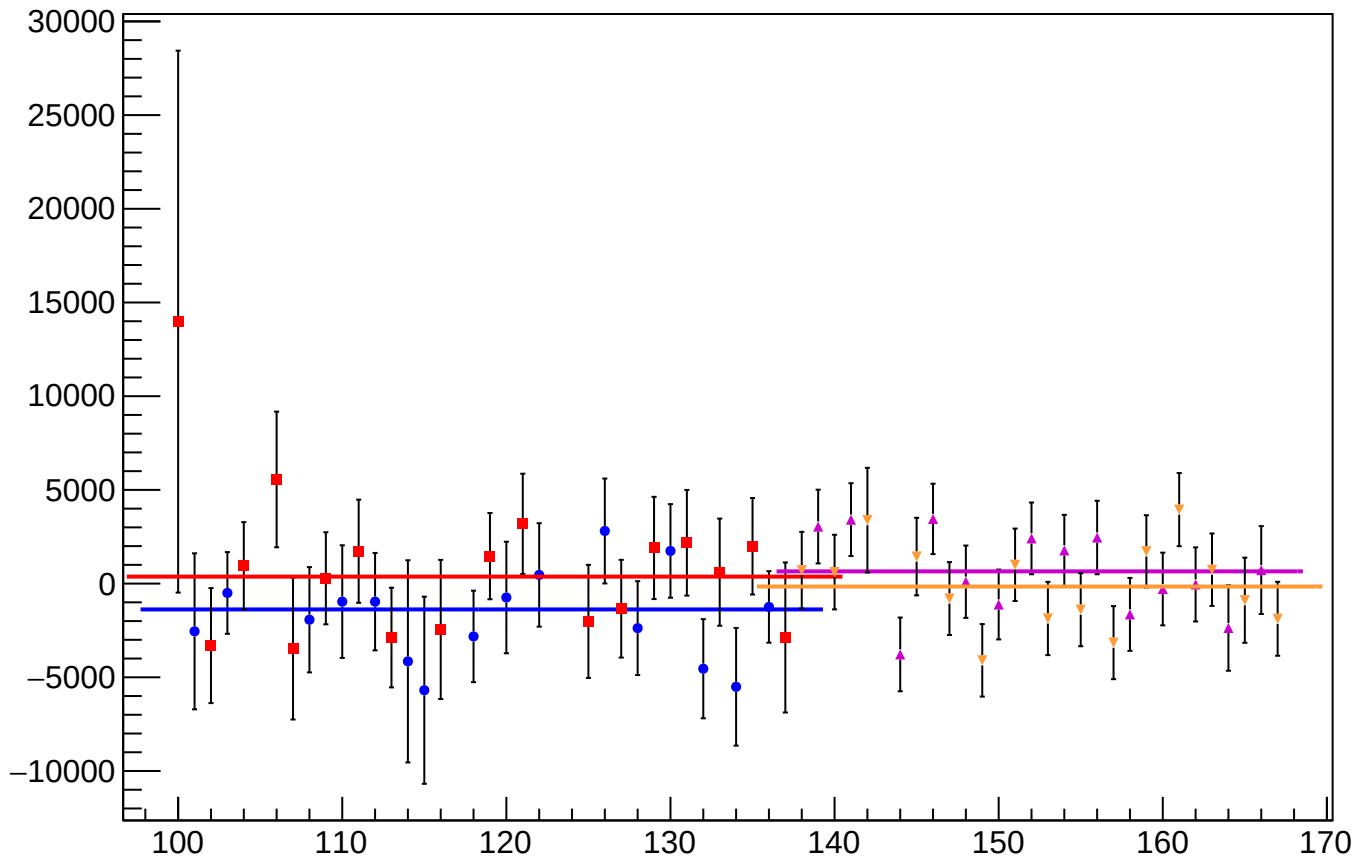
Left In: 761.136 $\pm$ 0.159 χ^2 /NDF: 187636.0/13

+ sign 821.264 $\pm$ 0.140 χ^2 /NDF: 3221393.0/30

All: 811.909 $\pm$ 0.098 χ^2 /NDF: 6747284.3/62

- sign 802.723 $\pm$ 0.138 χ^2 /NDF: 3516988.1/31

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133 ± 689.030 χ^2/NDF : 9.3/15

Left Out: -156.674 ± 520.581 χ^2/NDF : 17.1/14

Right Out: 372.534 ± 684.408 χ^2/NDF : 12.0/17

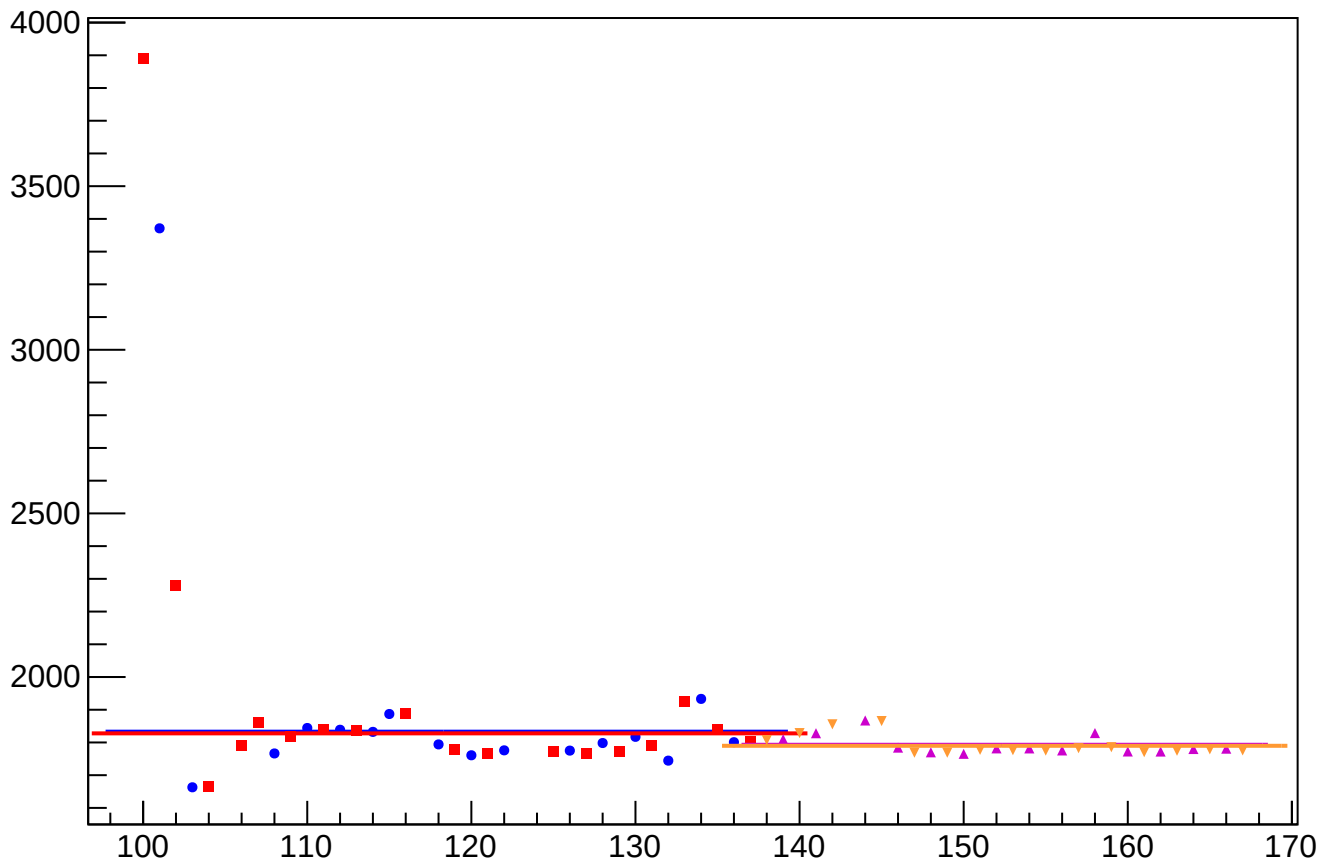
Left In: 652.936 ± 527.669 χ^2/NDF : 17.3/13

+ sign -600.541 ± 415.360 χ^2/NDF : 28.4/30

All: -29.558 ± 294.594 χ^2/NDF : 61.6/62

- sign 548.398 ± 417.889 χ^2/NDF : 29.4/31

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 ± 0.487 $\chi^2/\text{NDF}: 295441.2/15$

Left Out: 1789.811 ± 0.368 $\chi^2/\text{NDF}: 5951.9/14$

Right Out: 1827.785 ± 0.484 $\chi^2/\text{NDF}: 102270.3/17$

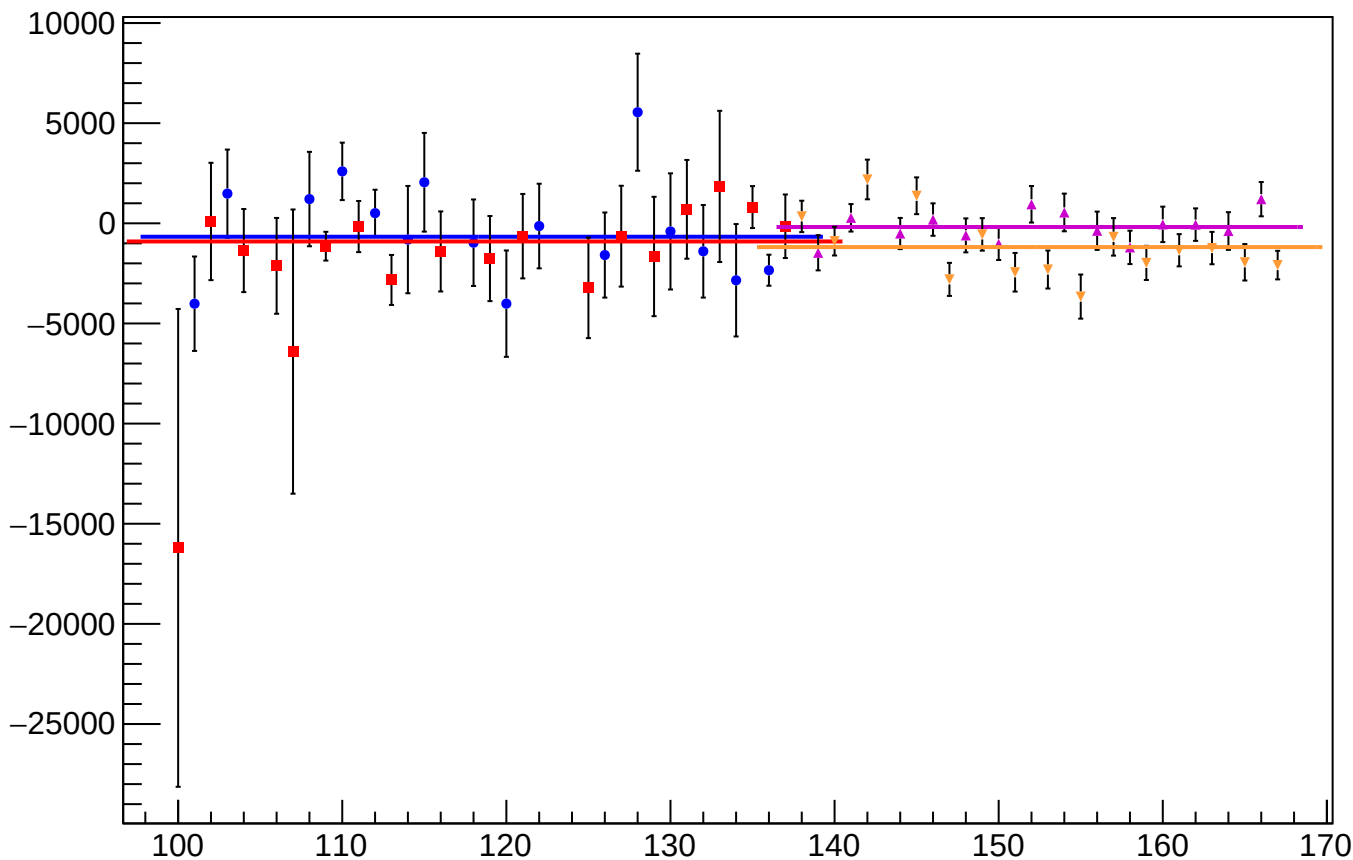
Left In: 1792.911 ± 0.373 $\chi^2/\text{NDF}: 5940.5/13$

+ sign 1805.486 ± 0.294 $\chi^2/\text{NDF}: 306383.1/30$

All: 1805.698 ± 0.208 $\chi^2/\text{NDF}: 417851.8/62$

- sign 1805.913 ± 0.295 $\chi^2/\text{NDF}: 111467.7/31$

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



Right In: -670.539 $\pm$ 442.505 χ^2 /NDF: 22.8/15

Left Out: -1186.233 $\pm$ 220.604 χ^2 /NDF:39.4/14

Right Out: -905.874 $\pm$ 394.814 χ^2 /NDF: 10.5/17

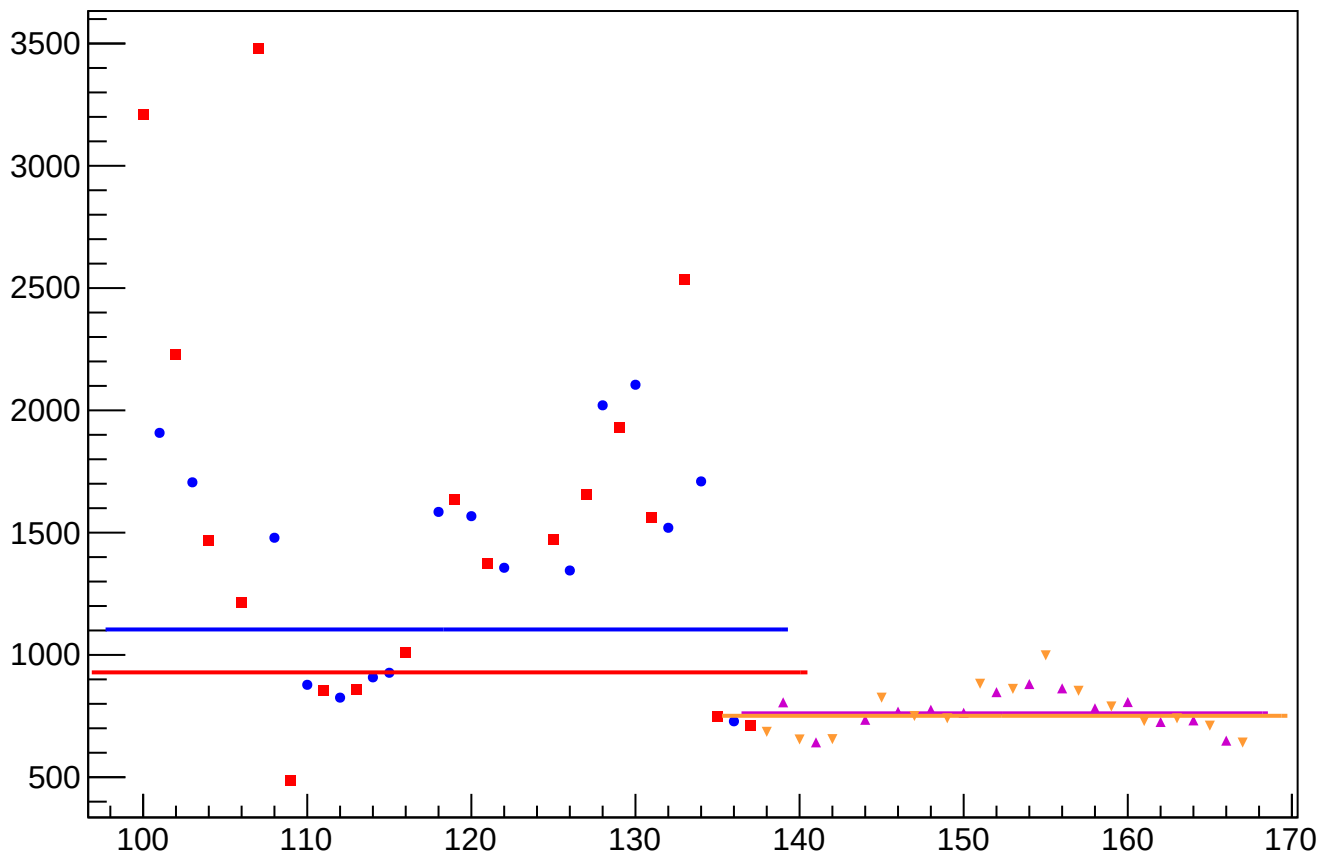
Left In: -184.393 $\pm$ 225.456 χ^2 /NDF:10.7/13

+ sign -1083.577 $\pm$ 197.430 χ^2 /NDF: 63.3/30

All: -719.669 $\pm$ 139.018 χ^2 /NDF: 93.8/62

- sign -361.807 $\pm$ 195.783 χ^2 /NDF: 23.7/31

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: 751.085+/-0.156 χ^2/NDF : 327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

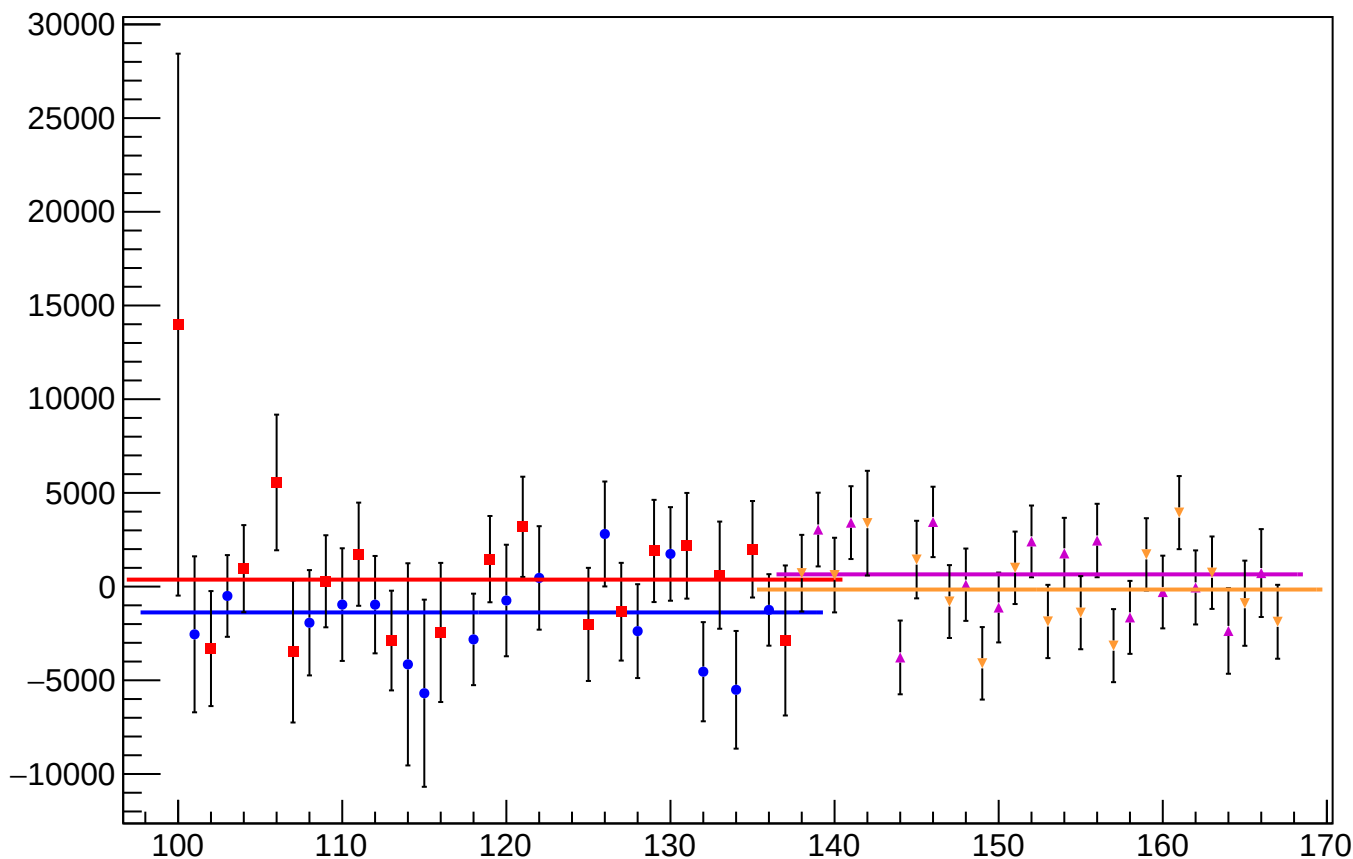
Left In: 761.137+/-0.159 χ^2/NDF : 187702.2/13

+ sign 821.358+/-0.140 χ^2/NDF : 3241583.8/30

All: 811.761+/-0.098 χ^2/NDF : 6764469.0/62

- sign 802.324+/-0.138 χ^2/NDF : 3513512.9/31

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133 $\pm$ 689.030 χ^2 /NDF: 9.3/15

Left Out: -156.674 $\pm$ 520.581 χ^2 /NDF: 17.1/14

Right Out: 372.534 $\pm$ 684.408 χ^2 /NDF: 12.0/17

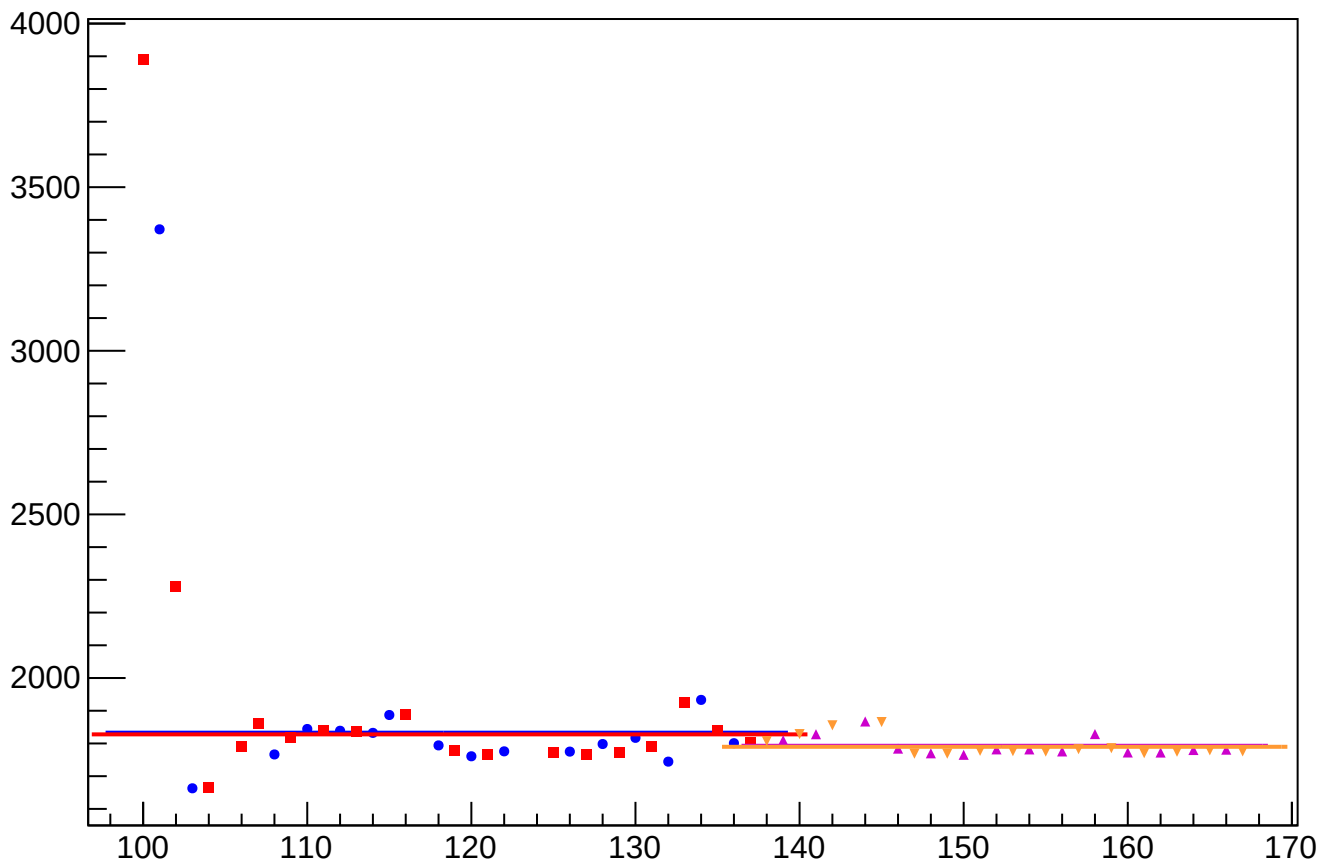
Left In: 652.936 $\pm$ 527.669 χ^2 /NDF: 17.3/13

+ sign -600.541 $\pm$ 415.360 χ^2 /NDF: 28.4/30

All: -29.558 $\pm$ 294.594 χ^2 /NDF: 61.6/62

- sign 548.398 $\pm$ 417.889 χ^2 /NDF: 29.4/31

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: 1789.811 $\pm$ 0.368 χ^2 /NDF: 5951.9/14

Right Out: 1827.785 $\pm$ 0.484 χ^2 /NDF: 102270.3/17

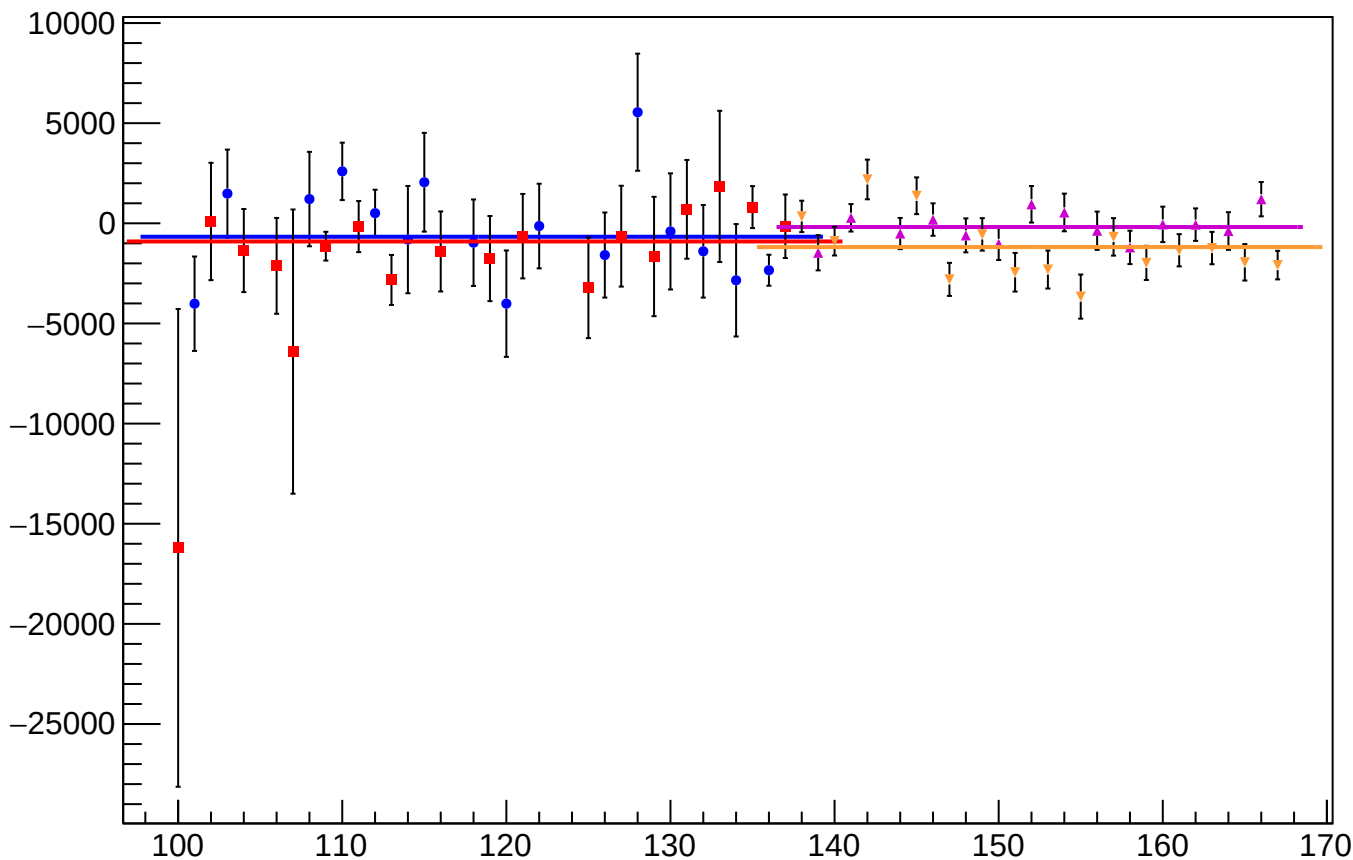
Left In: 1792.911 $\pm$ 0.373 χ^2 /NDF: 5940.5/13

+ sign 1805.486 $\pm$ 0.294 χ^2 /NDF: 306383.1/30

All: 1805.698 $\pm$ 0.208 χ^2 /NDF: 417851.8/62

- sign 1805.913 $\pm$ 0.295 χ^2 /NDF: 111467.7/31

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -670.539 $\pm$ 442.505 χ^2 /NDF: 22.8/15

Left Out: -1186.233 $\pm$ 220.604 χ^2 /NDF:39.4/14

Right Out: -905.874 $\pm$ 394.814 χ^2 /NDF: 10.5/17

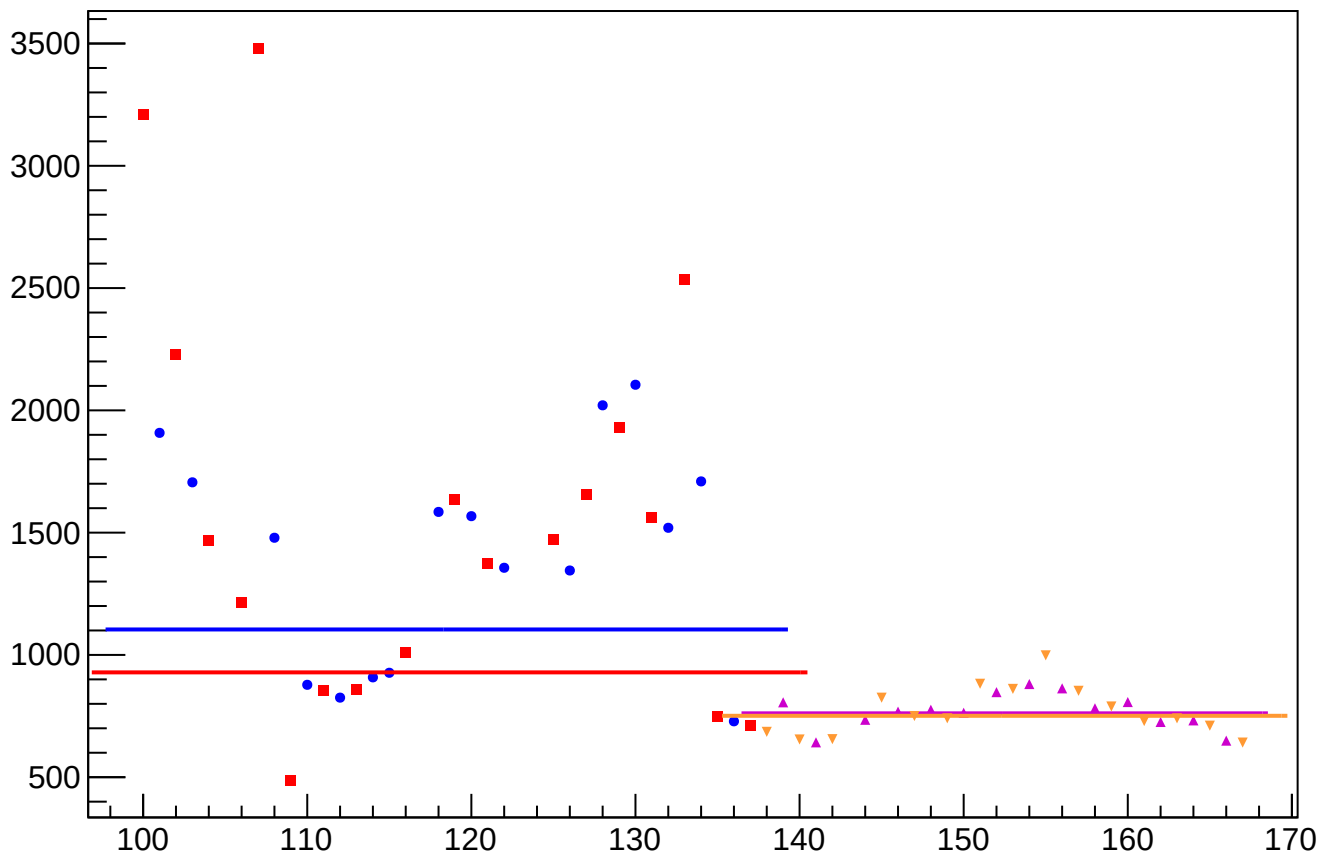
Left In: -184.393 $\pm$ 225.456 χ^2 /NDF:10.7/13

+ sign -1083.577 $\pm$ 197.430 χ^2 /NDF: 63.3/30

All: -719.669 $\pm$ 139.018 χ^2 /NDF: 93.8/62

- sign -361.807 $\pm$ 195.783 χ^2 /NDF: 23.7/31

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: 751.085+/-0.156 χ^2/NDF : 327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

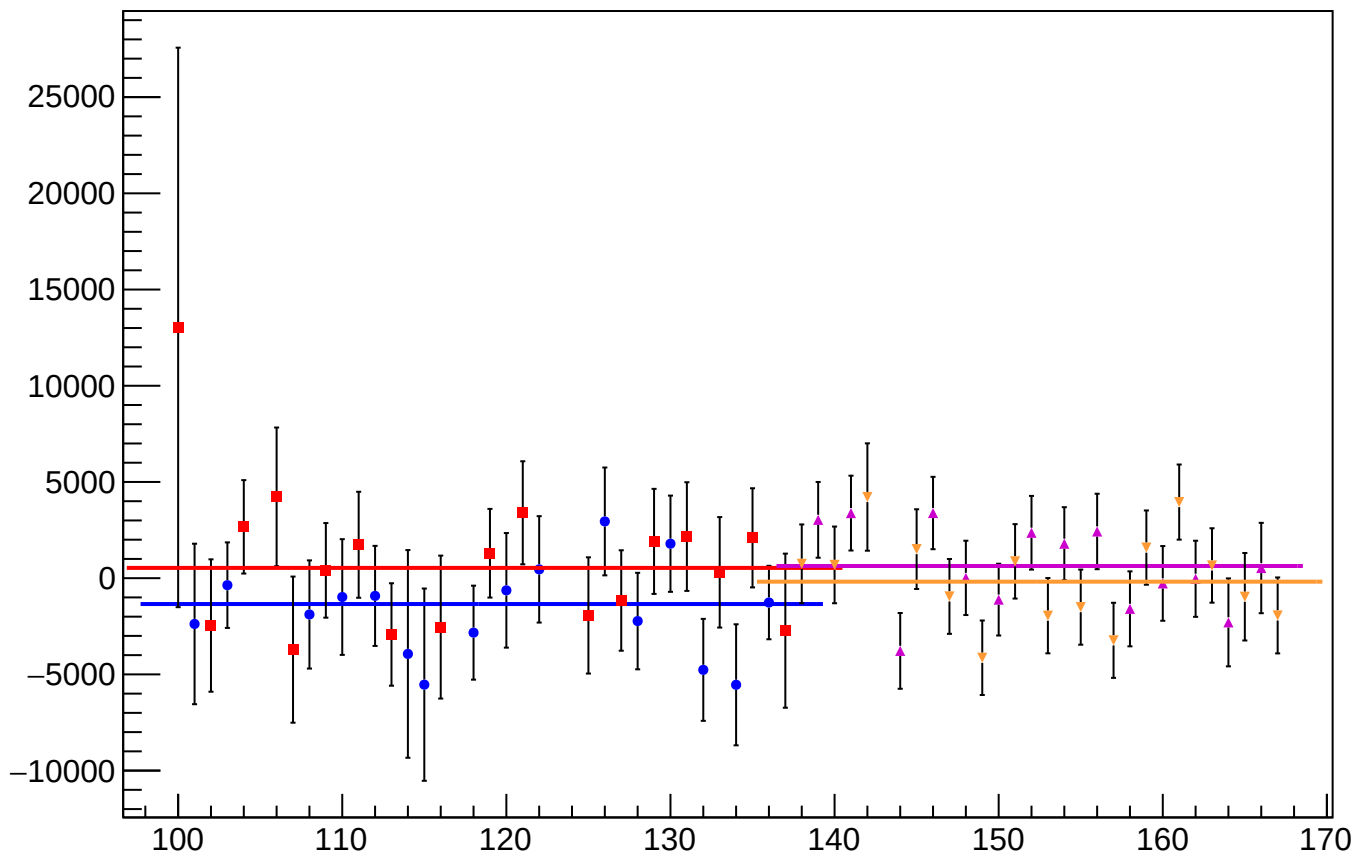
Left In: 761.137+/-0.159 χ^2/NDF : 187702.2/13

+ sign 821.358+/-0.140 χ^2/NDF : 3241583.8/30

All: 811.761+/-0.098 χ^2/NDF : 6764469.0/62

- sign 802.324+/-0.138 χ^2/NDF : 3513512.9/31

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952 ± 690.940 χ^2/NDF : 9.6/15

Left Out: -181.850 ± 520.920 χ^2/NDF : 18.3/14

Right Out: 534.194 ± 690.970 χ^2/NDF : 11.1/17

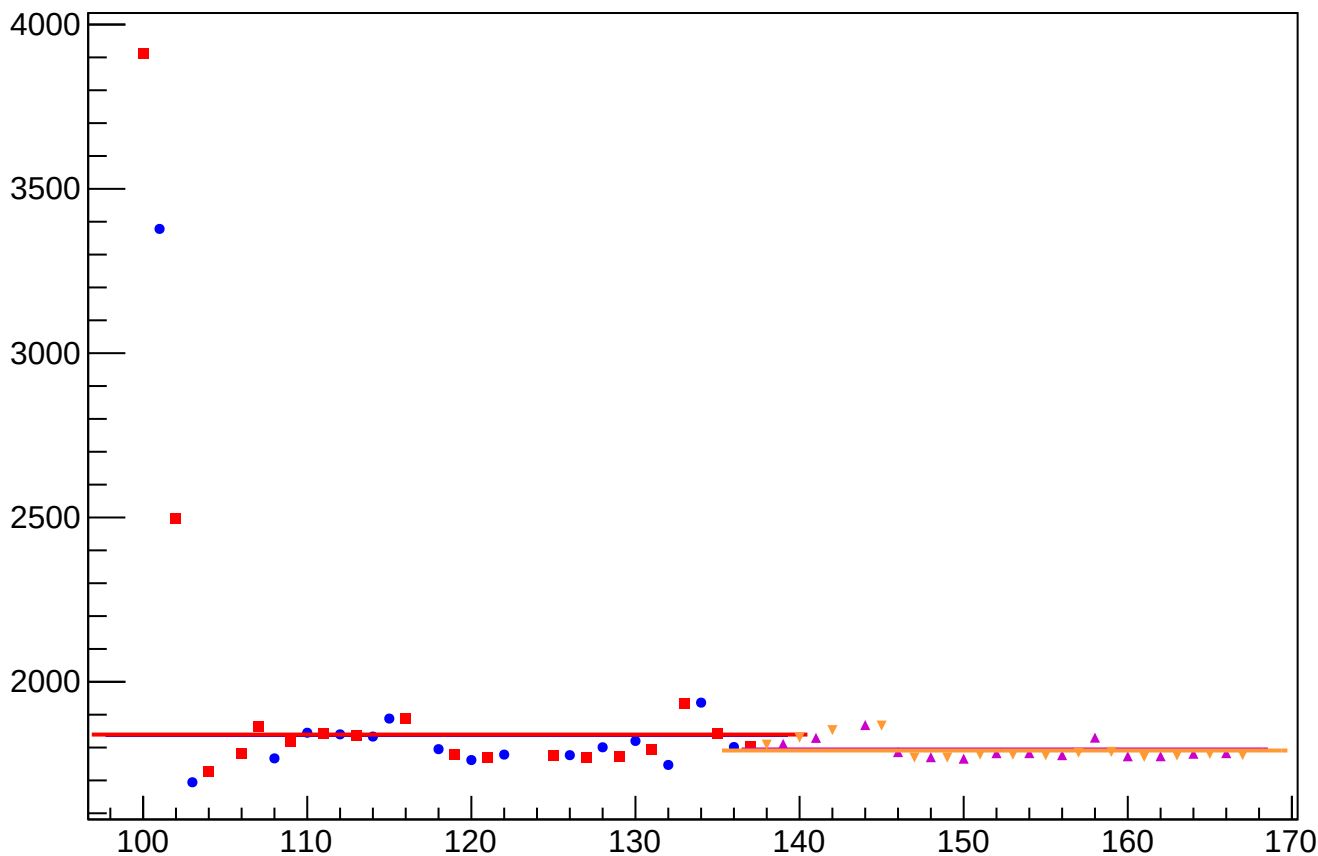
Left In: 632.838 ± 528.041 χ^2/NDF : 16.9/13

+ sign -603.009 ± 415.950 χ^2/NDF : 29.7/30

All: -8.445 ± 295.388 χ^2/NDF : 61.9/62

- sign 596.469 ± 419.555 χ^2/NDF : 28.1/31

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159 ± 0.489 χ^2/NDF : 291984.0/15

Left Out: 1790.970 ± 0.368 χ^2/NDF : 5852.0/14

Right Out: 1839.517 ± 0.489 χ^2/NDF : 128253.5/17

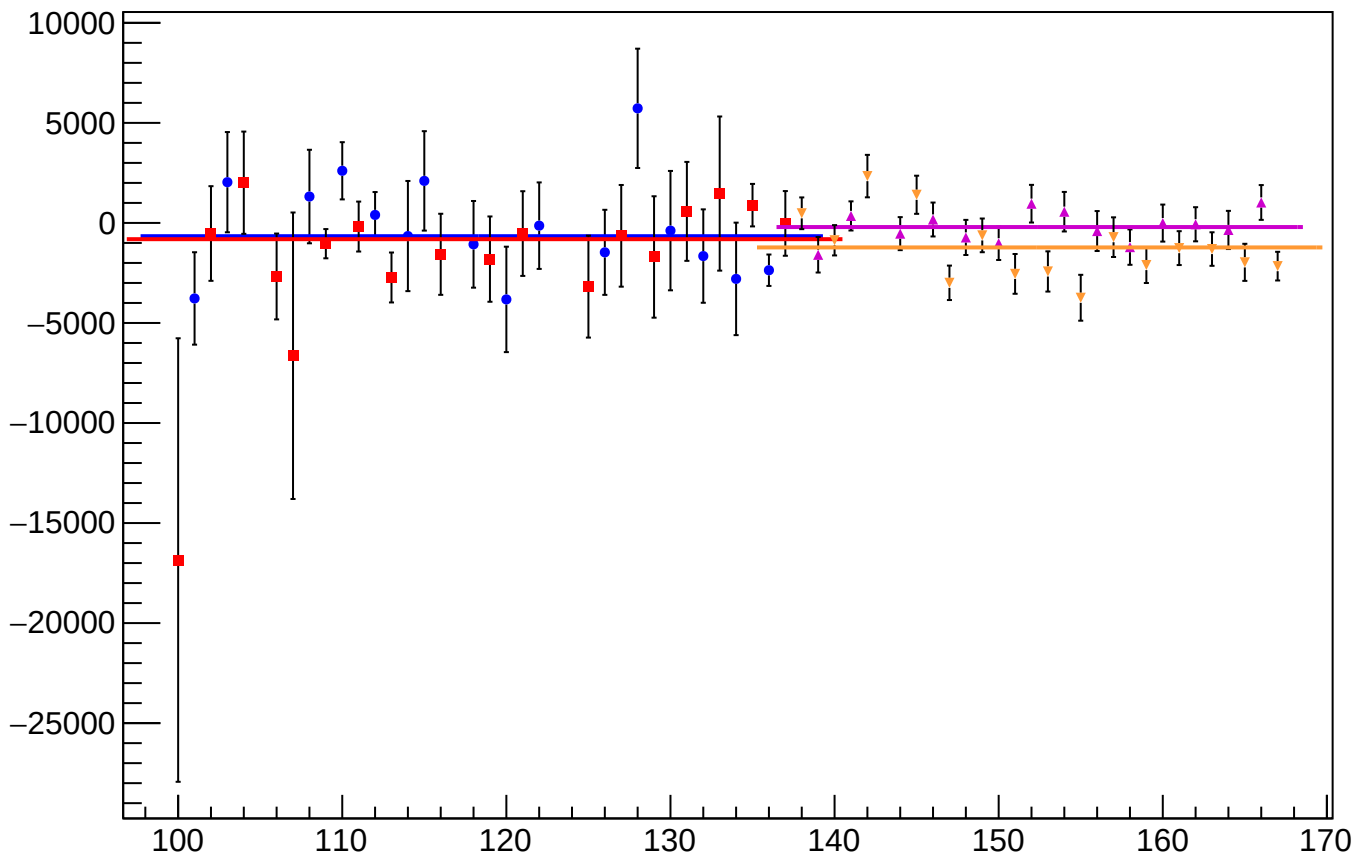
Left In: 1794.171 ± 0.373 χ^2/NDF : 5967.4/13

+ sign 1808.072 ± 0.294 χ^2/NDF : 303784.2/30

All: 1809.468 ± 0.209 χ^2/NDF : 443488.7/62

- sign 1810.889 ± 0.297 χ^2/NDF : 139659.0/31

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: -1224.583+/-229.239 χ^2/NDF : 40.1/14

Right Out: -812.187+/-397.187 χ^2/NDF : 12.2/17

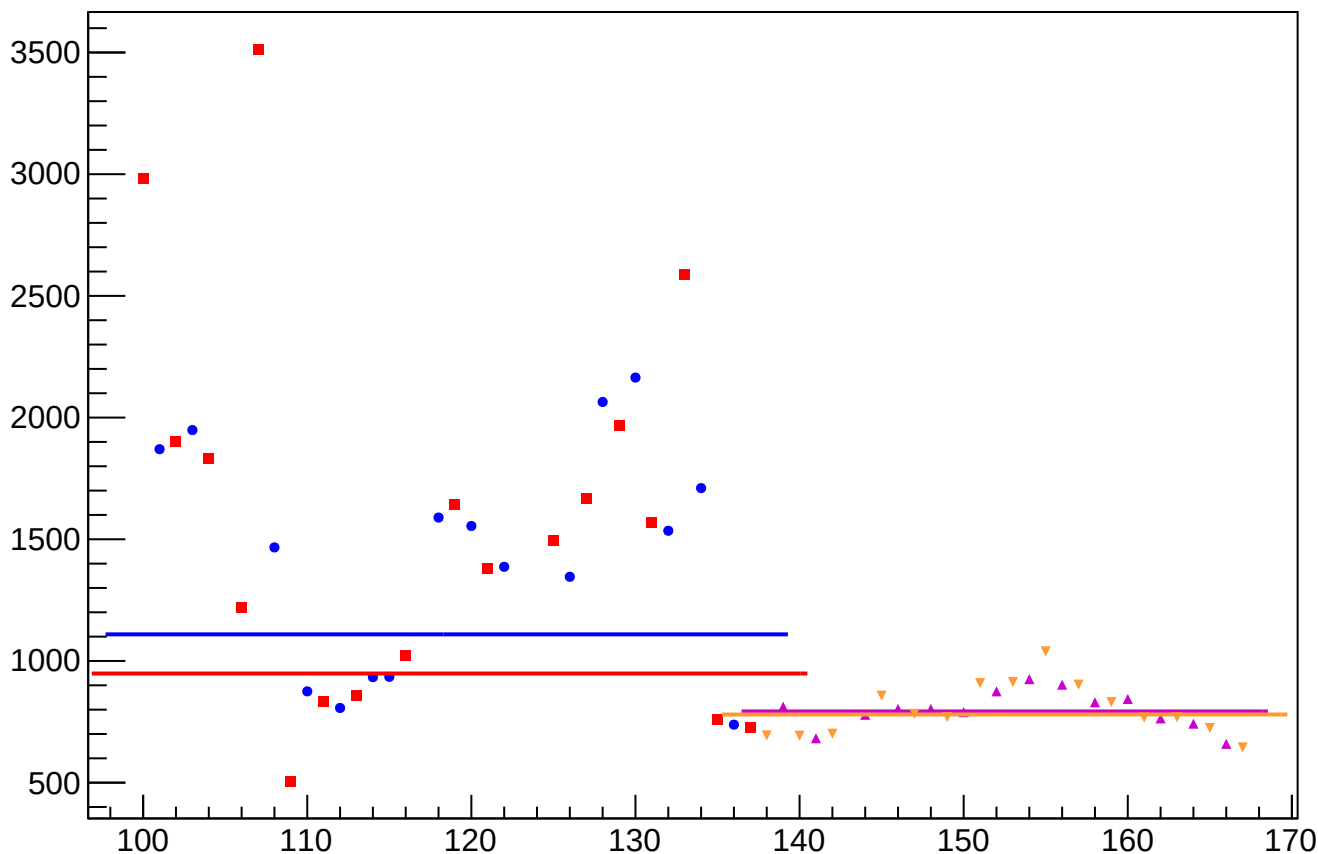
Left In: -206.058+/-234.713 χ^2/NDF : 10.2/13

+ sign -1107.288+/-203.875 χ^2/NDF : 64.1/30

All: -731.801+/-143.518 χ^2/NDF : 95.0/62

- sign -362.940+/-202.068 χ^2/NDF : 24.2/31

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: 780.077 $\pm$ 0.162 χ^2 /NDF: 362024.1/14

Right Out: 948.438 $\pm$ 0.281 χ^2 /NDF: 3053670.4/17

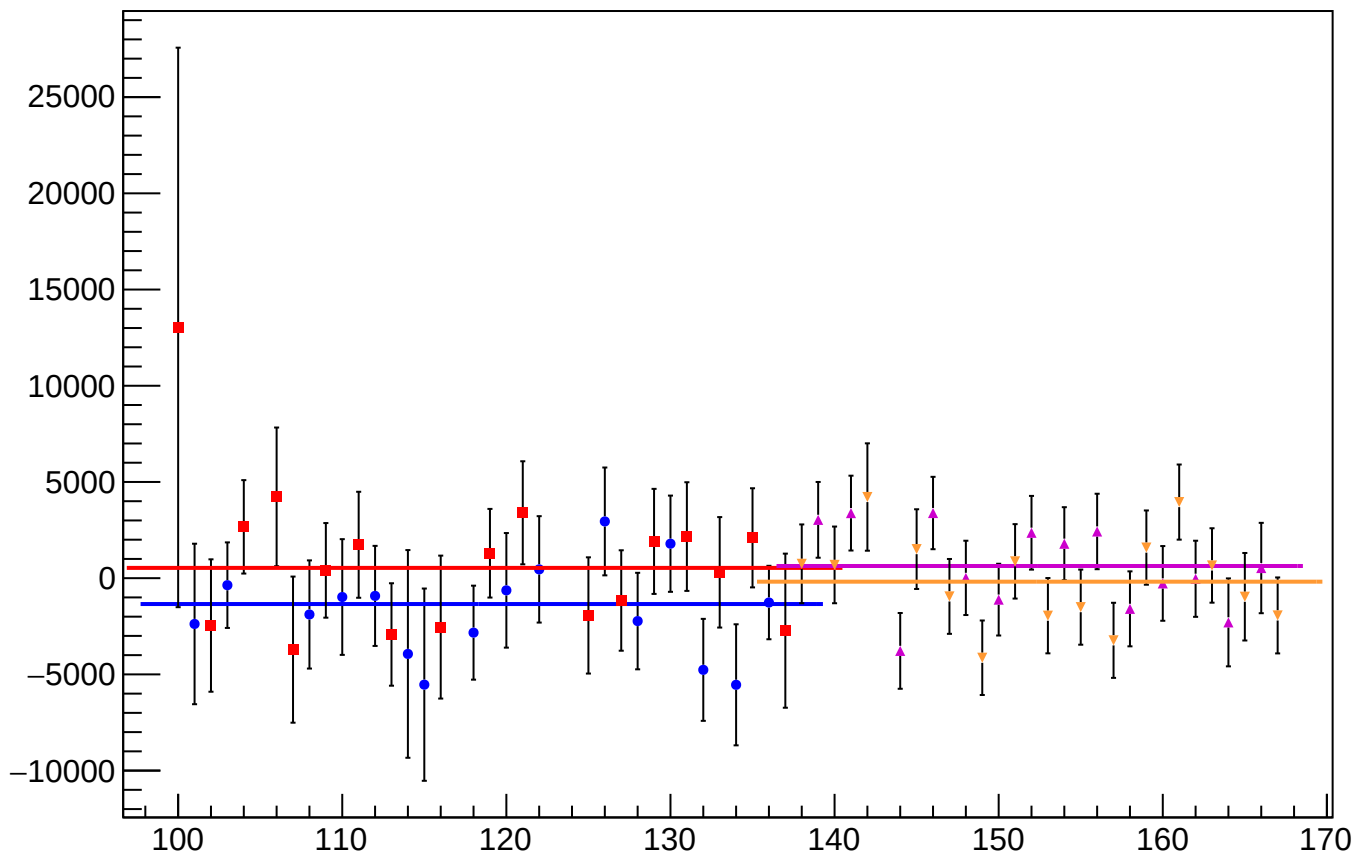
Left In: 792.628 $\pm$ 0.166 χ^2 /NDF: 188037.3/13

+ sign 848.913 $\pm$ 0.144 χ^2 /NDF: 3198055.0/30

All: 840.863 $\pm$ 0.101 χ^2 /NDF: 6674056.1/62

- sign 832.956 $\pm$ 0.143 χ^2 /NDF: 3469820.7/31

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955 $\pm$ 690.940 χ^2 /NDF: 9.6/15

Left Out: -181.849 $\pm$ 520.920 χ^2 /NDF:18.3/14

Right Out: 534.199 $\pm$ 690.970 χ^2 /NDF: 11.1/17

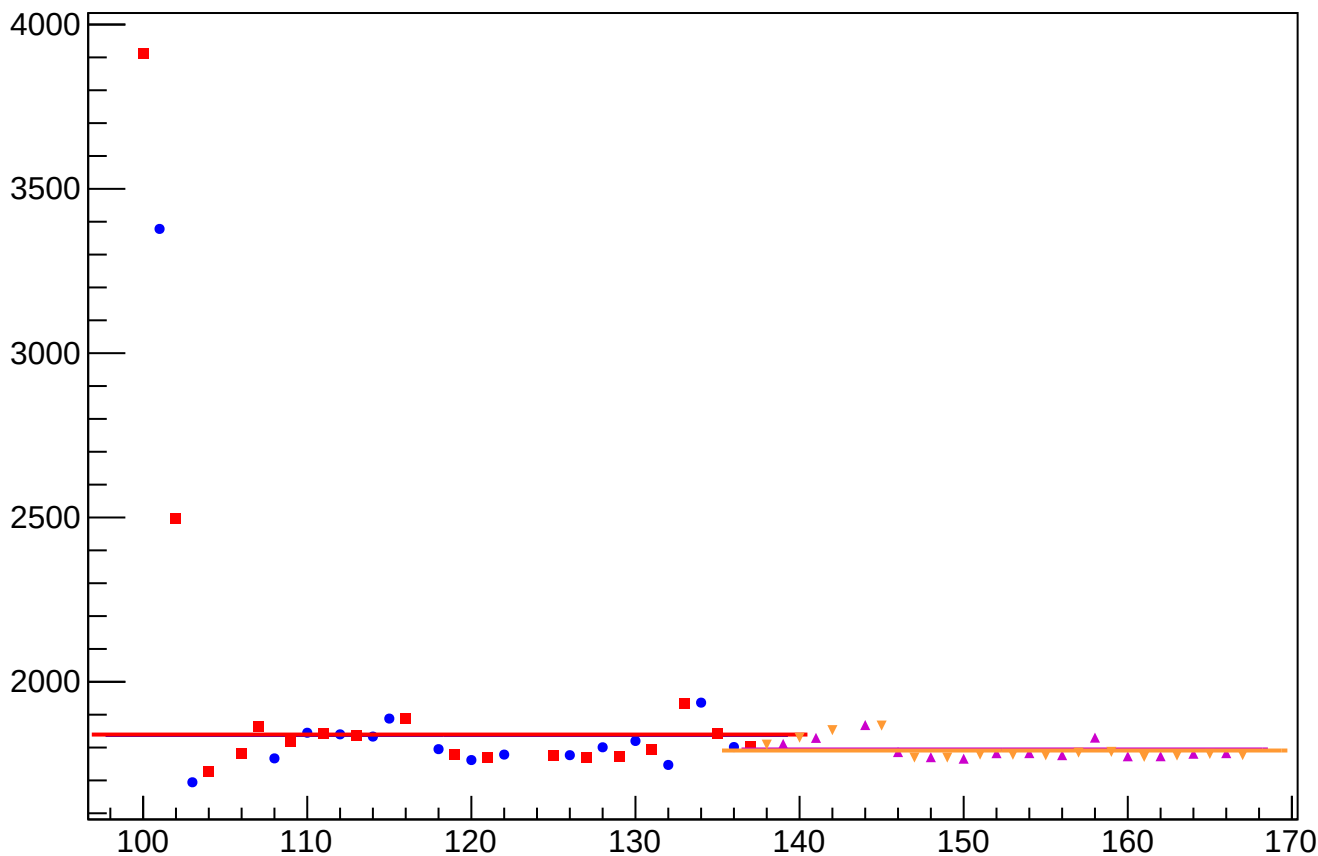
Left In: 632.837 $\pm$ 528.041 χ^2 /NDF:16.9/13

+ sign -603.009 $\pm$ 415.950 χ^2 /NDF: 29.7/30

All: -8.445 $\pm$ 295.388 χ^2 /NDF: 61.9/62

- sign 596.470 $\pm$ 419.555 χ^2 /NDF: 28.1/31

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF : 291984.0/15

Left Out: 1790.970+/-0.368 χ^2/NDF : 5852.0/14

Right Out: 1839.517+/-0.489 χ^2/NDF : 128253.6/17

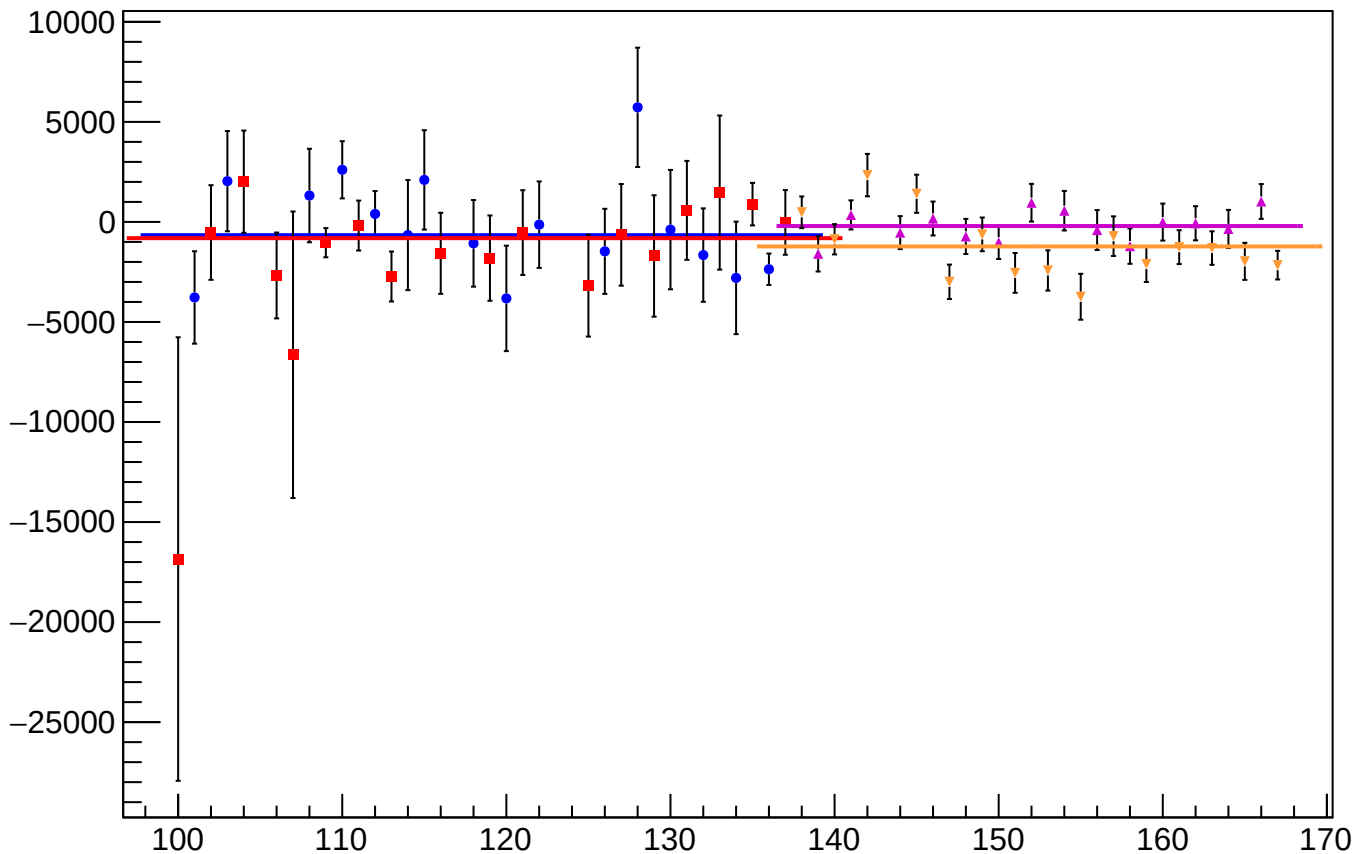
Left In: 1794.171+/-0.373 χ^2/NDF : 5967.4/13

+ sign 1808.072+/-0.294 χ^2/NDF : 303784.2/30

All: 1809.468+/-0.209 χ^2/NDF : 443488.8/62

- sign 1810.889+/-0.297 χ^2/NDF : 139659.1/31

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -663.476 $\pm$ 445.904 χ^2/NDF : 22.8/15

Left Out: -1224.590 $\pm$ 229.239 χ^2/NDF : 40.1/14

Right Out: -812.194 $\pm$ 397.187 χ^2/NDF : 12.2/17

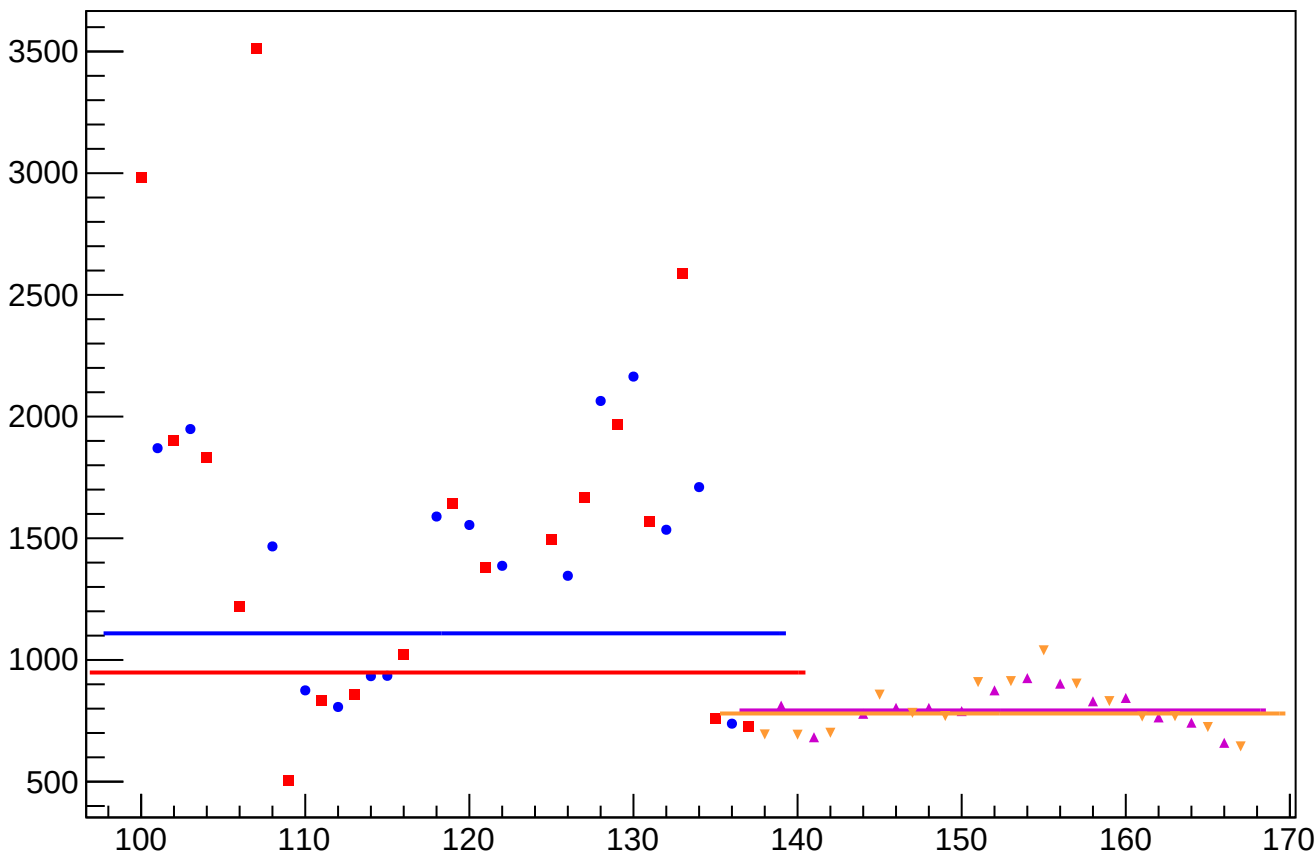
Left In: -206.056 $\pm$ 234.713 χ^2/NDF : 10.2/13

+ sign -1107.290 $\pm$ 203.875 χ^2/NDF : 64.1/30

All: -731.802 $\pm$ 143.518 χ^2/NDF : 95.0/62

- sign -362.939 $\pm$ 202.068 χ^2/NDF : 24.2/31

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1109.365 $\pm$ 0.315 χ^2/NDF : 1973324.5/15

Left Out: 780.078 $\pm$ 0.162 χ^2/NDF : 362013.8/14

Right Out: 948.441 $\pm$ 0.281 χ^2/NDF : 3053644.5/17

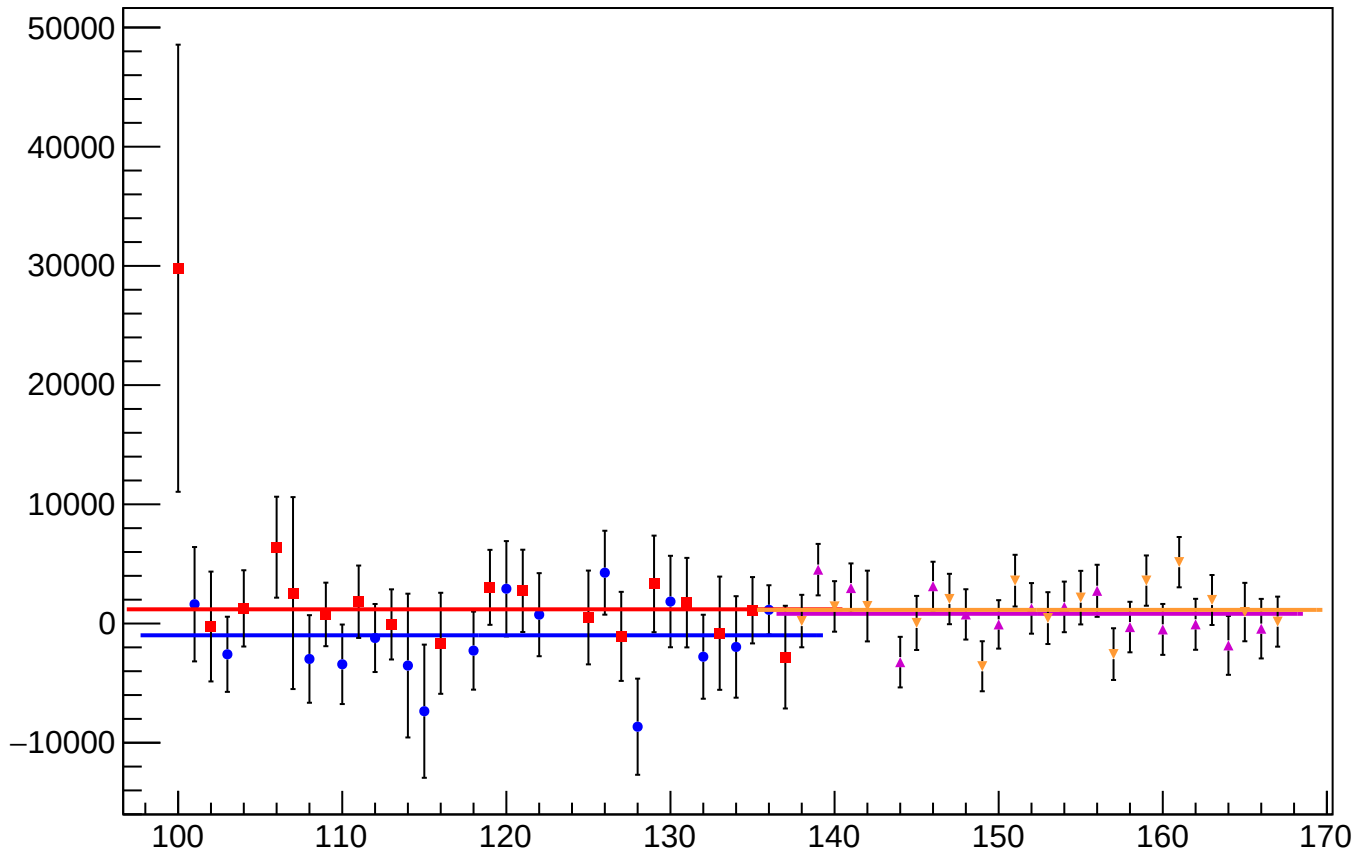
Left In: 792.629 $\pm$ 0.166 χ^2/NDF : 188041.1/13

+ sign 848.914 $\pm$ 0.144 χ^2/NDF : 3198011.9/30

All: 840.865 $\pm$ 0.101 χ^2/NDF : 6673996.9/62

- sign 832.957 $\pm$ 0.143 χ^2/NDF : 3469804.0/31

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532 $\pm$ 873.840 χ^2 /NDF: 12.0/15

Left Out: 1144.703 $\pm$ 568.636 χ^2 /NDF: 15.6/14

Right Out: 1192.173 $\pm$ 870.432 χ^2 /NDF: 7.0/17

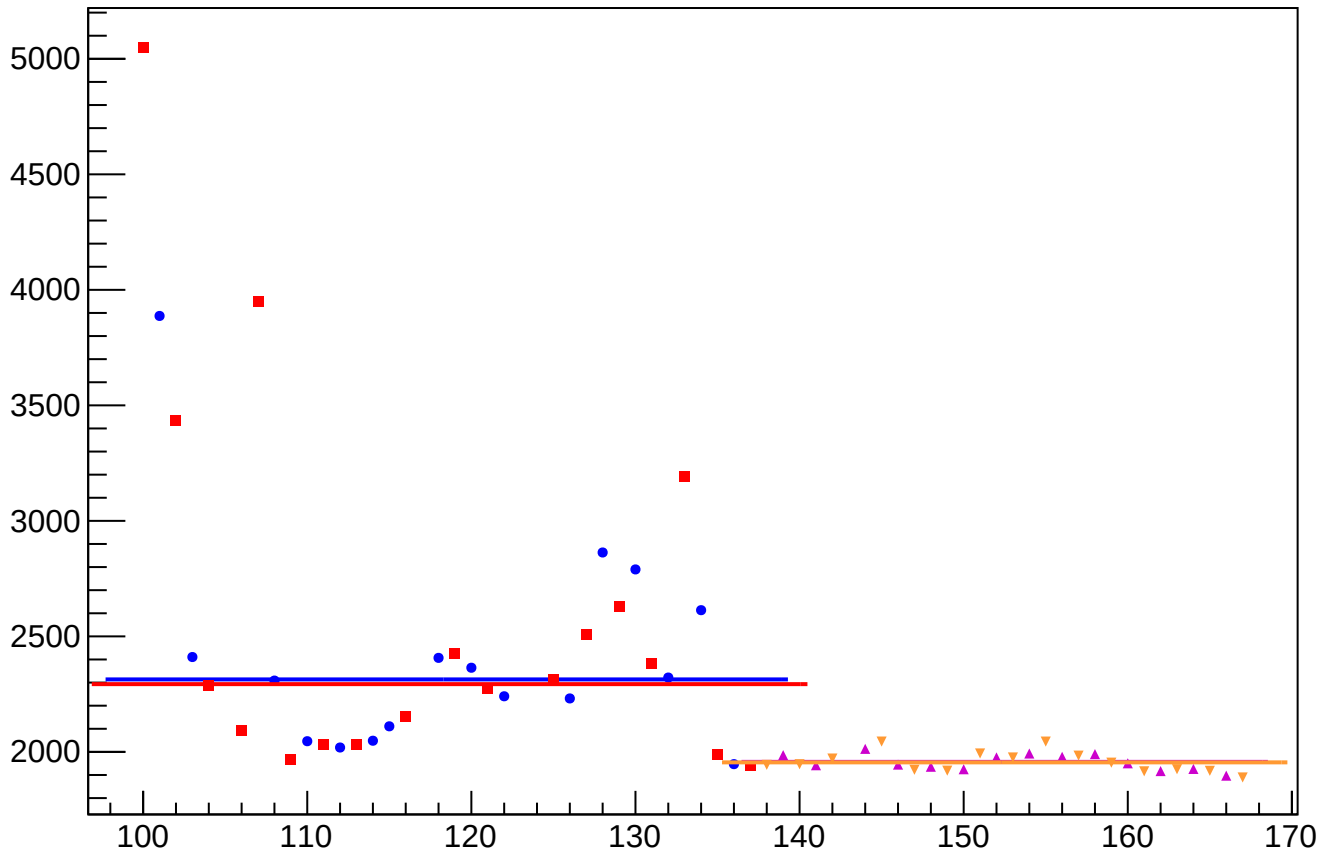
Left In: 816.228 $\pm$ 575.936 χ^2 /NDF: 12.3/13

+ sign 510.399 $\pm$ 476.610 χ^2 /NDF: 31.7/30

All: 718.924 $\pm$ 338.316 χ^2 /NDF: 51.5/62

- sign 930.701 $\pm$ 480.313 χ^2 /NDF: 19.4/31

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF : 402756.6/15

Left Out: 1954.670+/-0.402 χ^2/NDF : 12170.8/14

Right Out: 2293.273+/-0.615 χ^2/NDF : 453202.3/17

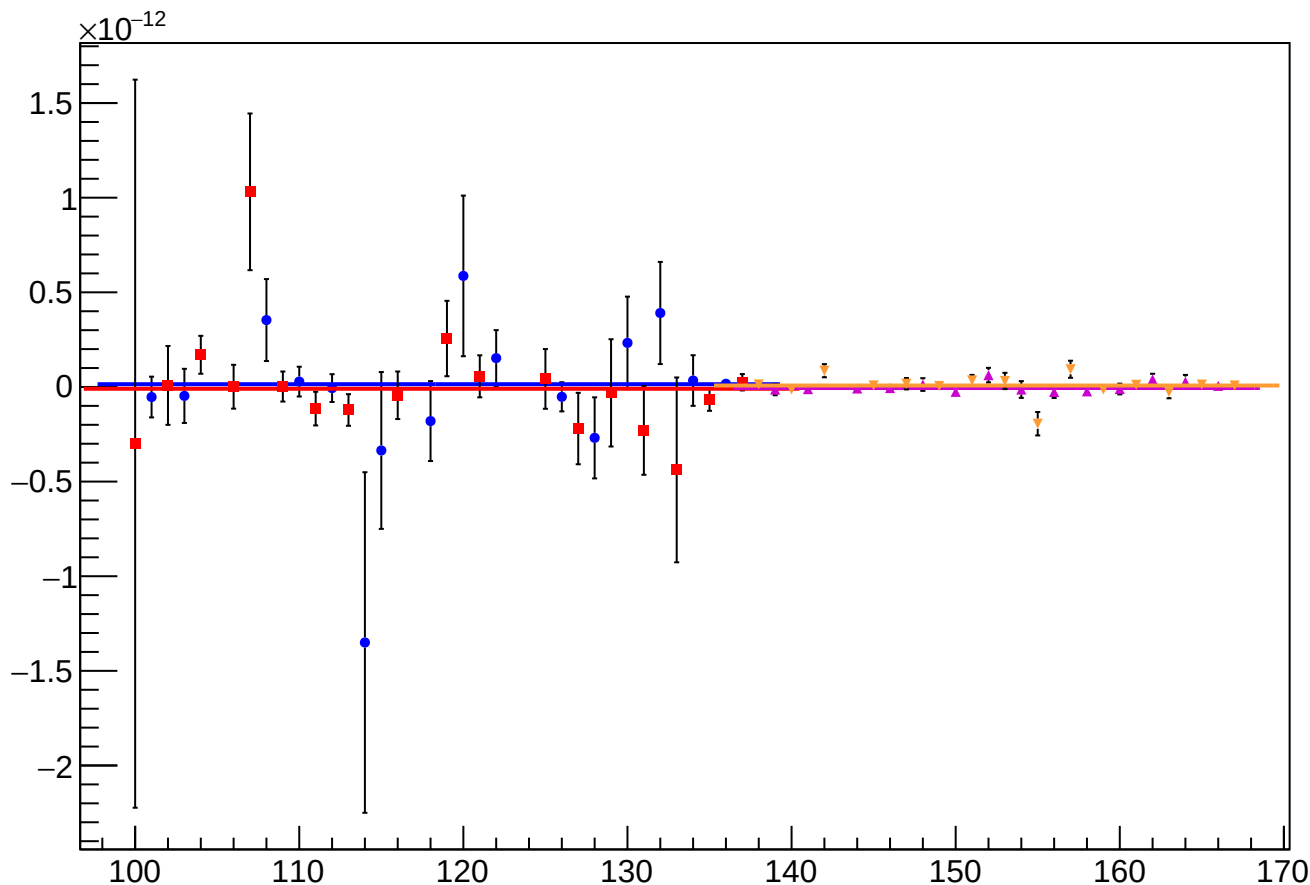
Left In: 1956.773+/-0.407 χ^2/NDF : 6244.8/13

+ sign 2061.488+/-0.337 χ^2/NDF : 652166.0/30

All: 2060.371+/-0.239 χ^2/NDF : 1319527.1/62

- sign 2059.237+/-0.340 χ^2/NDF : 667338.9/31

asym_us_dd_atlr_dd_avg_reg_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 : 24.0/14

Right Out: -0.000+/-0.000 χ^2/NDF : 19.5/17

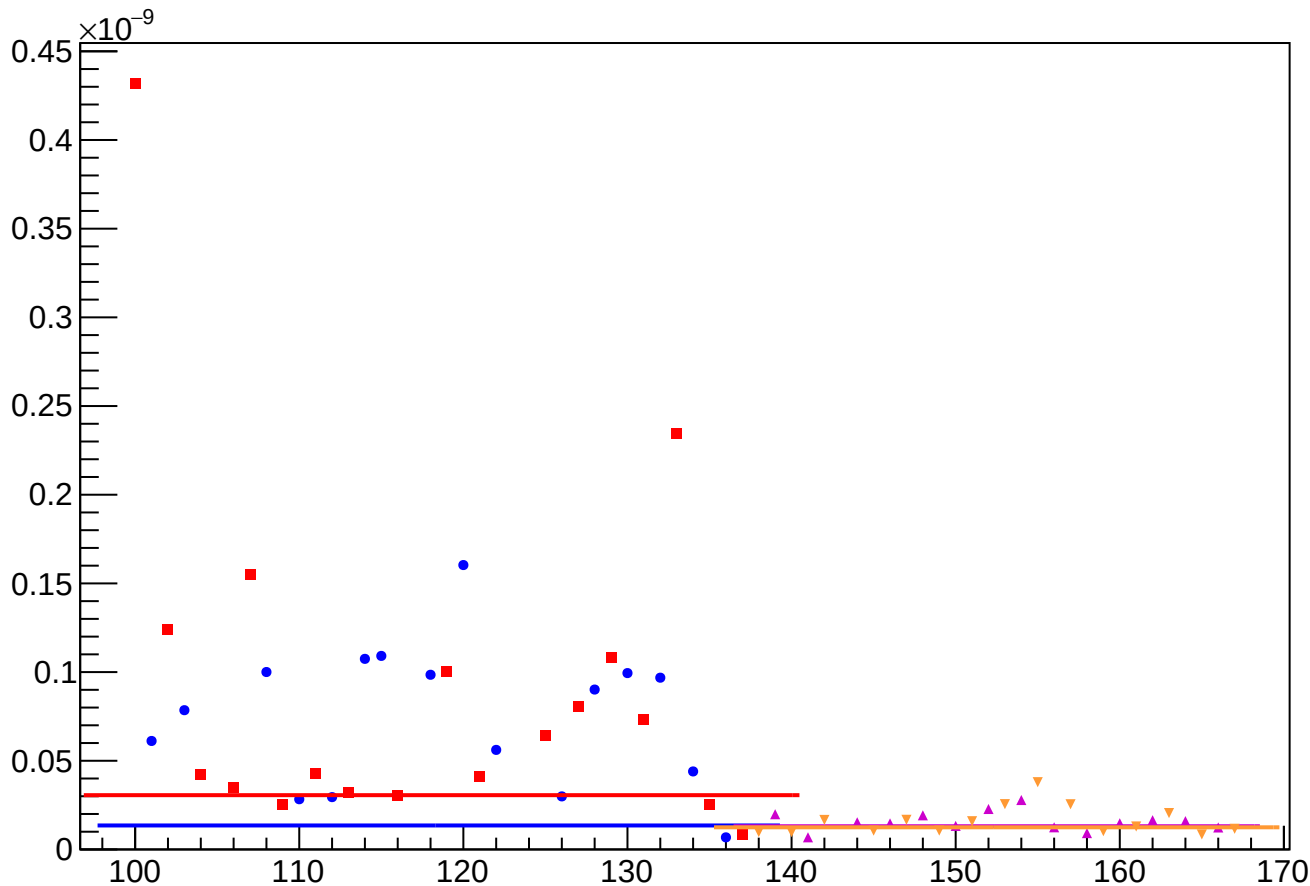
Left In: -0.000+/-0.000 χ^2/NDF : 9.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 39.1/30

All: 0.000+/-0.000 χ^2/NDF : 70.5/62

- sign -0.000+/-0.000 χ^2/NDF : 28.6/31

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3416094.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1112226.8/14

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2349183.7/17

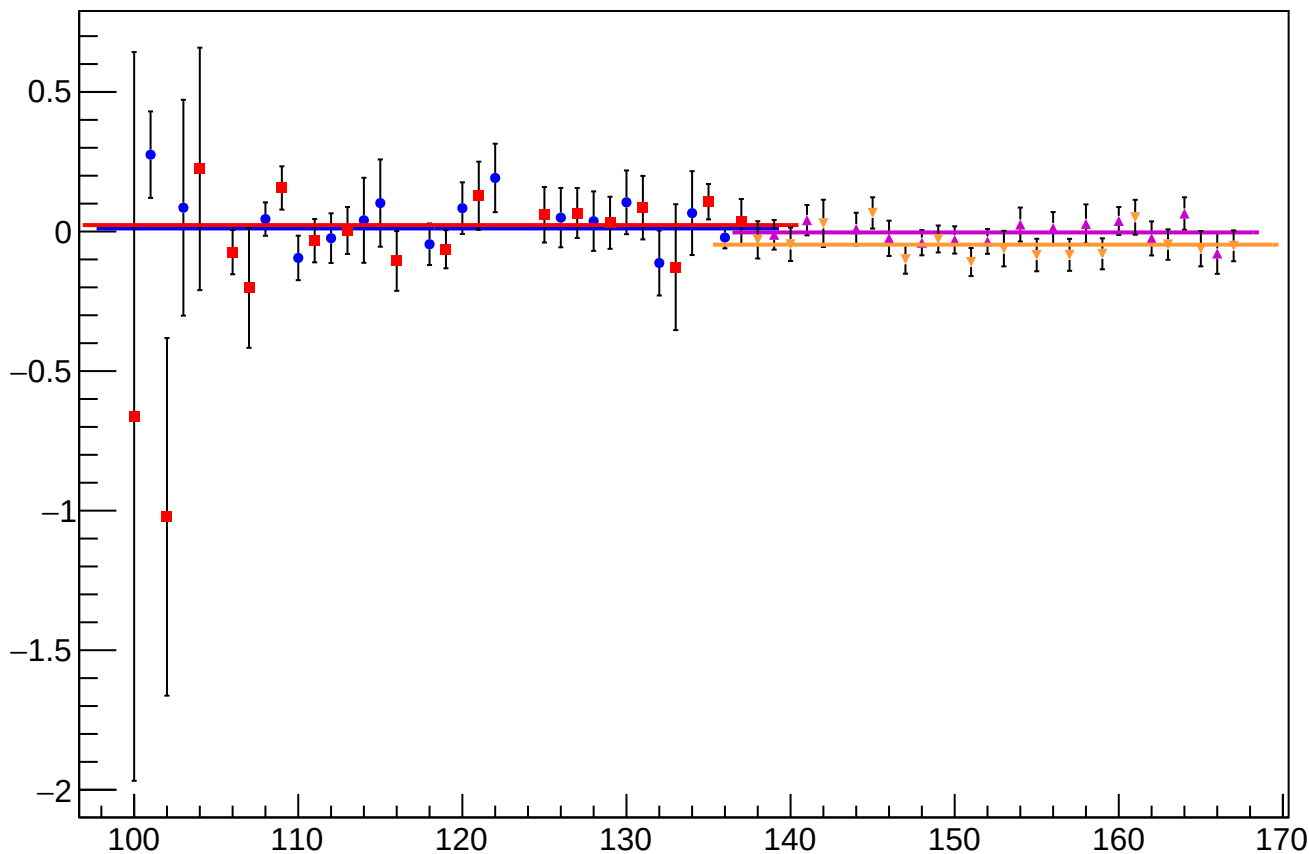
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1051079.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4537467.8/30

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8993059.4/62

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4378294.1/31

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.022 χ^2/NDF : 11.7/15

Left Out: -0.047 ± 0.015 χ^2/NDF : 11.5/14

Right Out: 0.023 ± 0.023 χ^2/NDF : 16.0/17

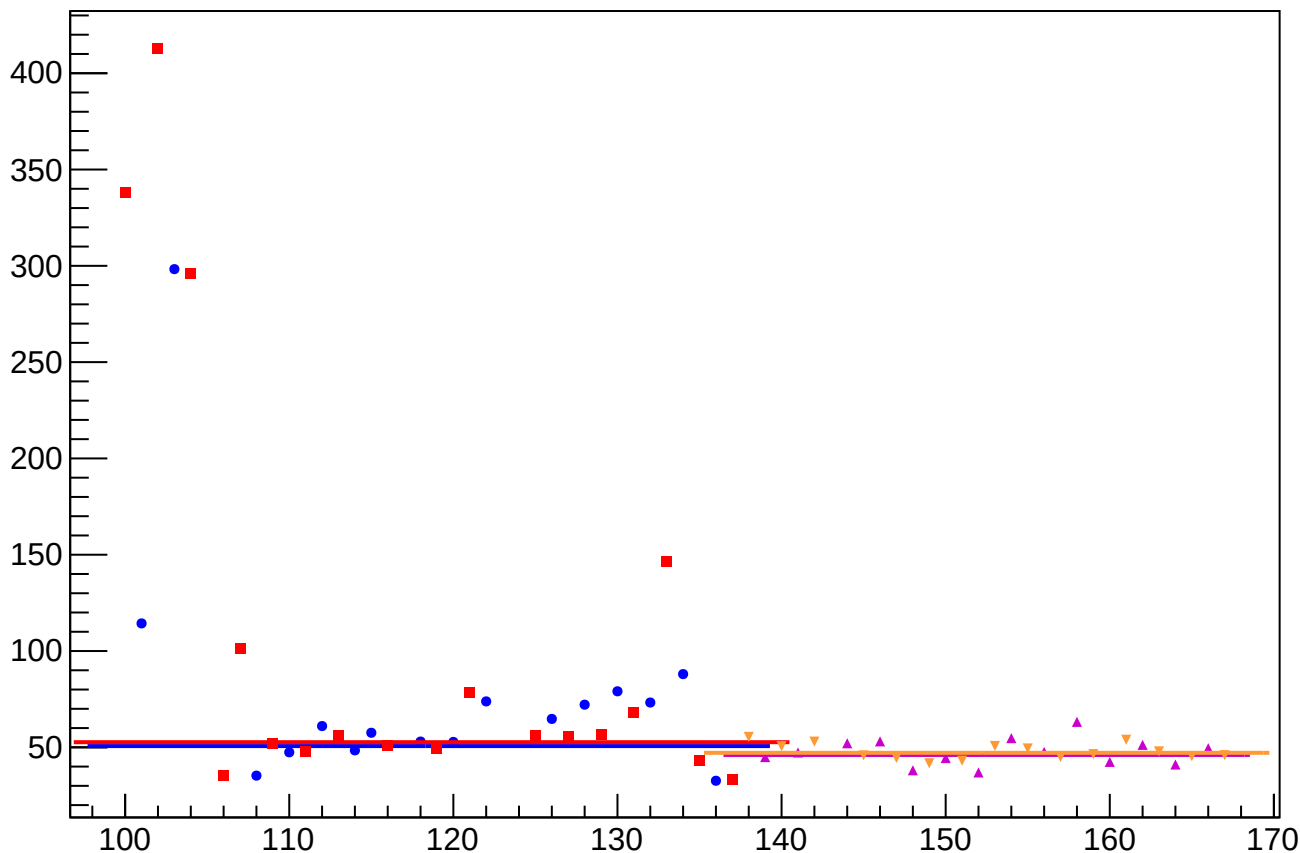
Left In: -0.003 ± 0.015 χ^2/NDF : 6.0/13

+ sign -0.029 ± 0.012 χ^2/NDF : 28.0/30

All: -0.012 ± 0.009 χ^2/NDF : 54.5/62

- sign 0.004 ± 0.012 χ^2/NDF : 22.9/31

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: 47.157 $\pm$ 0.011 χ^2 /NDF: 130832.3/14

Right Out: 52.666 $\pm$ 0.016 χ^2 /NDF: 2211938.1/17

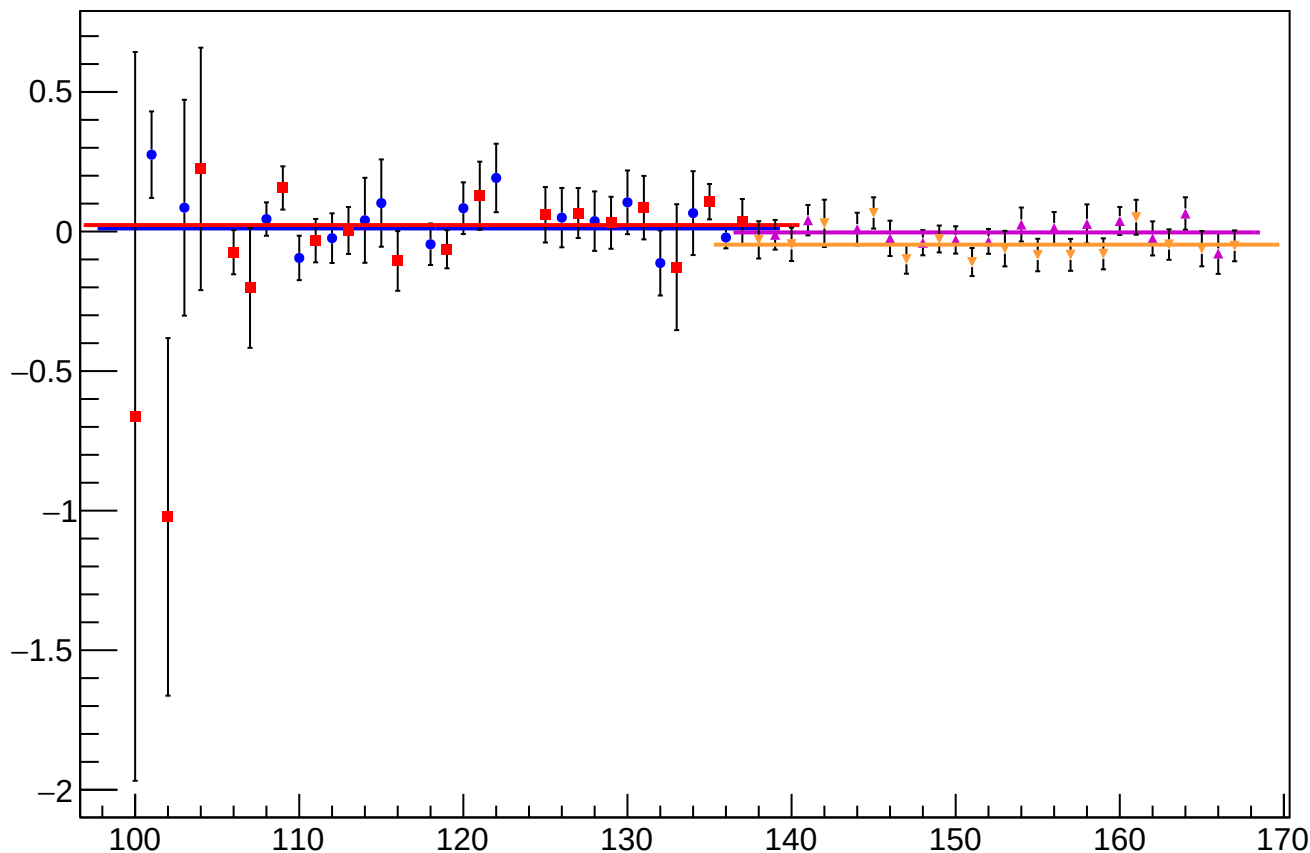
Left In: 46.035 $\pm$ 0.010 χ^2 /NDF: 403636.4/13

+ sign 48.263 $\pm$ 0.009 χ^2 /NDF: 2432022.4/30

All: 48.113 $\pm$ 0.006 χ^2 /NDF: 5165038.1/62

- sign 47.960 $\pm$ 0.009 χ^2 /NDF: 2732417.7/31

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: -0.047 $\pm$ 0.015 χ^2 /NDF: 11.5/14

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

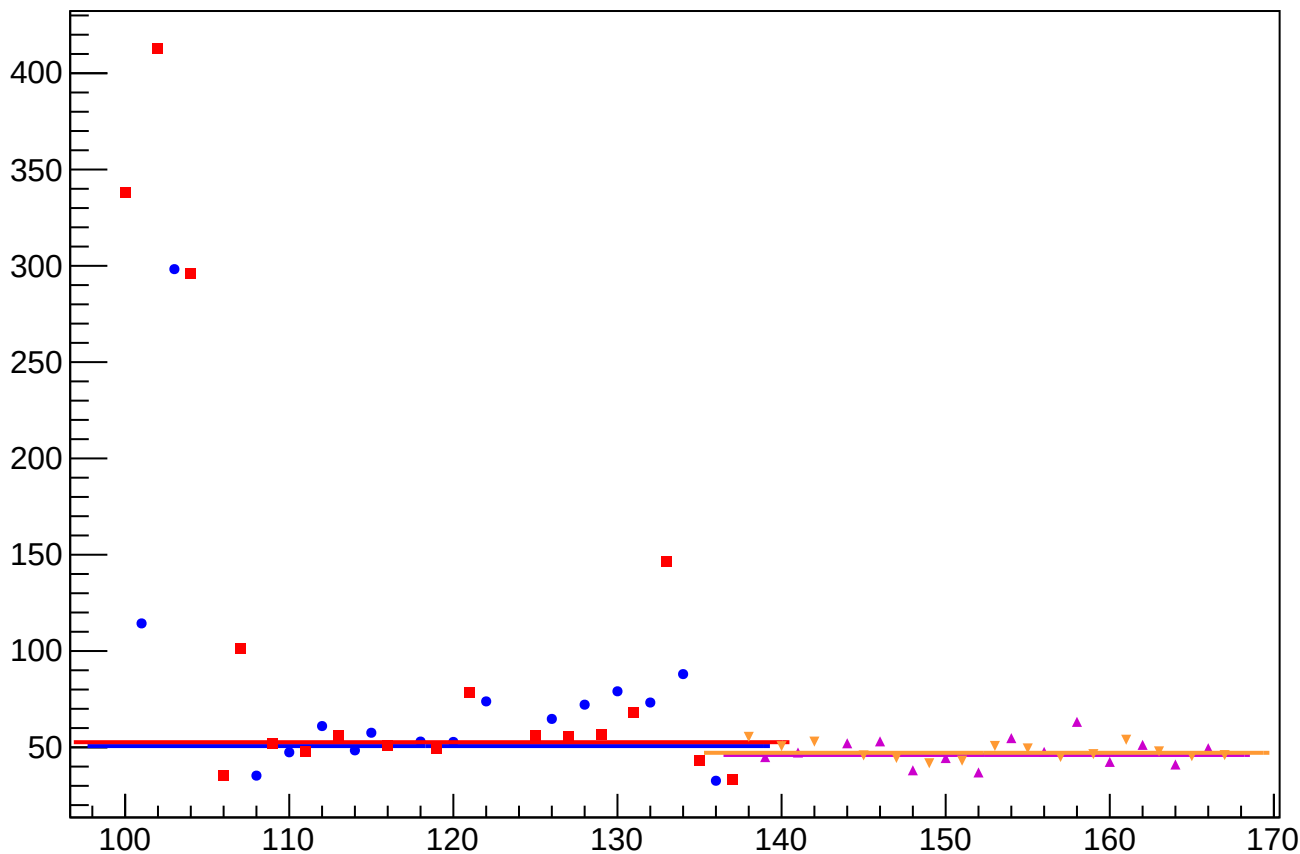
Left In: -0.003 $\pm$ 0.015 χ^2 /NDF: 6.0/13

+ sign -0.029 $\pm$ 0.012 χ^2 /NDF: 28.0/30

All: -0.012 $\pm$ 0.009 χ^2 /NDF: 54.5/62

- sign 0.004 $\pm$ 0.012 χ^2 /NDF: 22.9/31

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: 47.157 $\pm$ 0.011 χ^2 /NDF: 130832.3/14

Right Out: 52.666 $\pm$ 0.016 χ^2 /NDF: 2211938.1/17

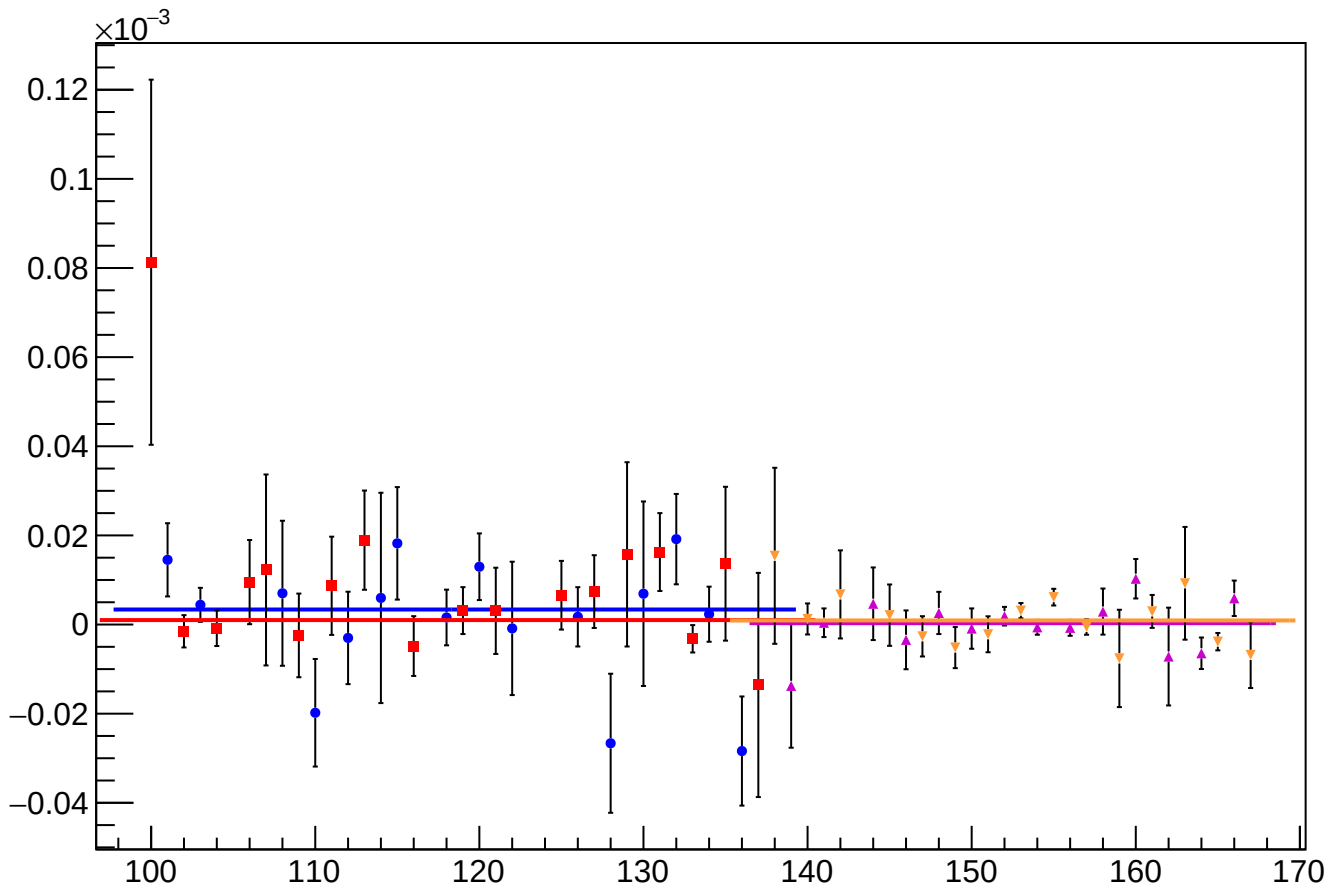
Left In: 46.035 $\pm$ 0.010 χ^2 /NDF: 403636.4/13

+ sign 48.263 $\pm$ 0.009 χ^2 /NDF: 2432022.4/30

All: 48.113 $\pm$ 0.006 χ^2 /NDF: 5165038.1/62

- sign 47.960 $\pm$ 0.009 χ^2 /NDF: 2732417.7/31

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:22.4/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

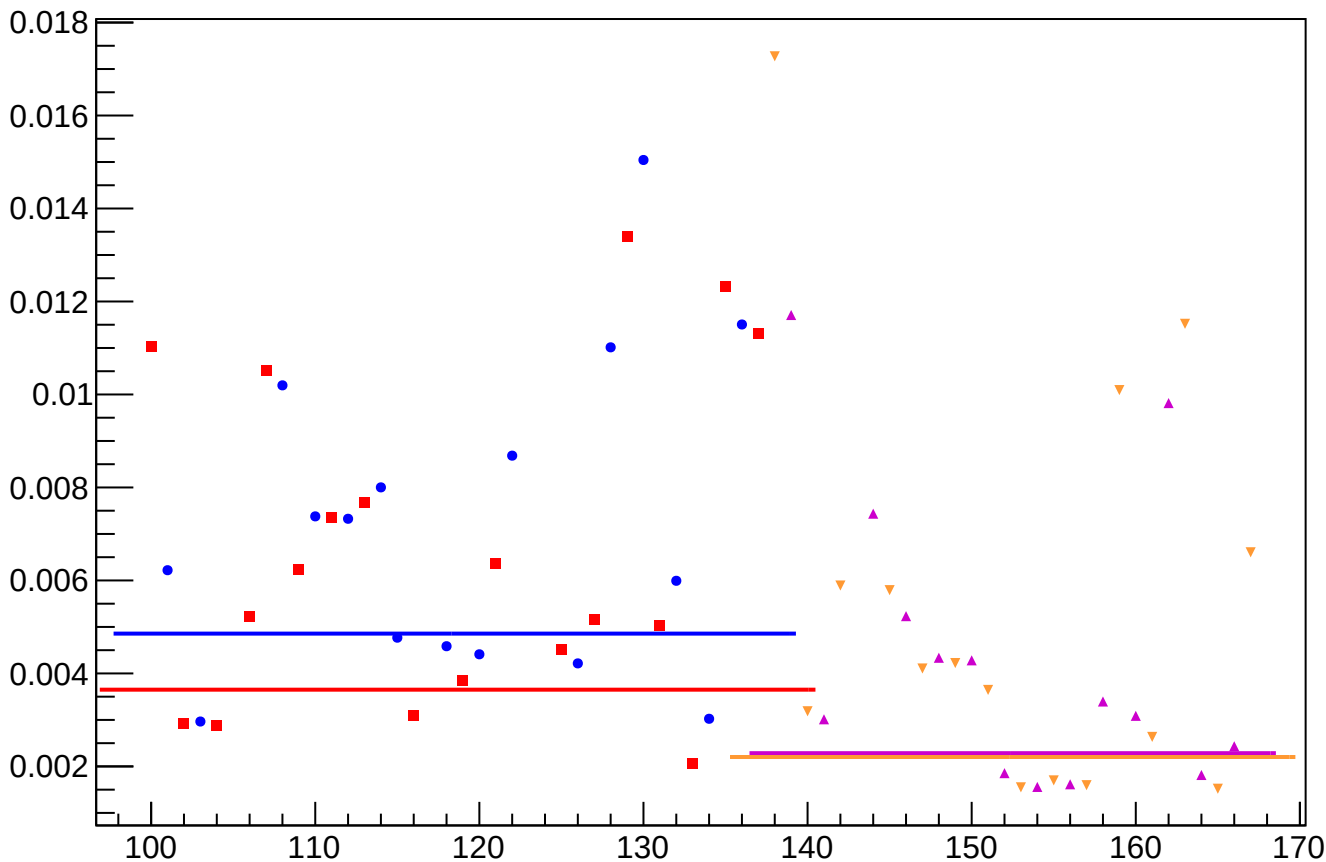
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.8/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.3/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.9/31

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: 0.002+/-0.000 χ^2/NDF : 6920418.2/14

Right Out: 0.004+/-0.000 χ^2/NDF : 3108848.8/17

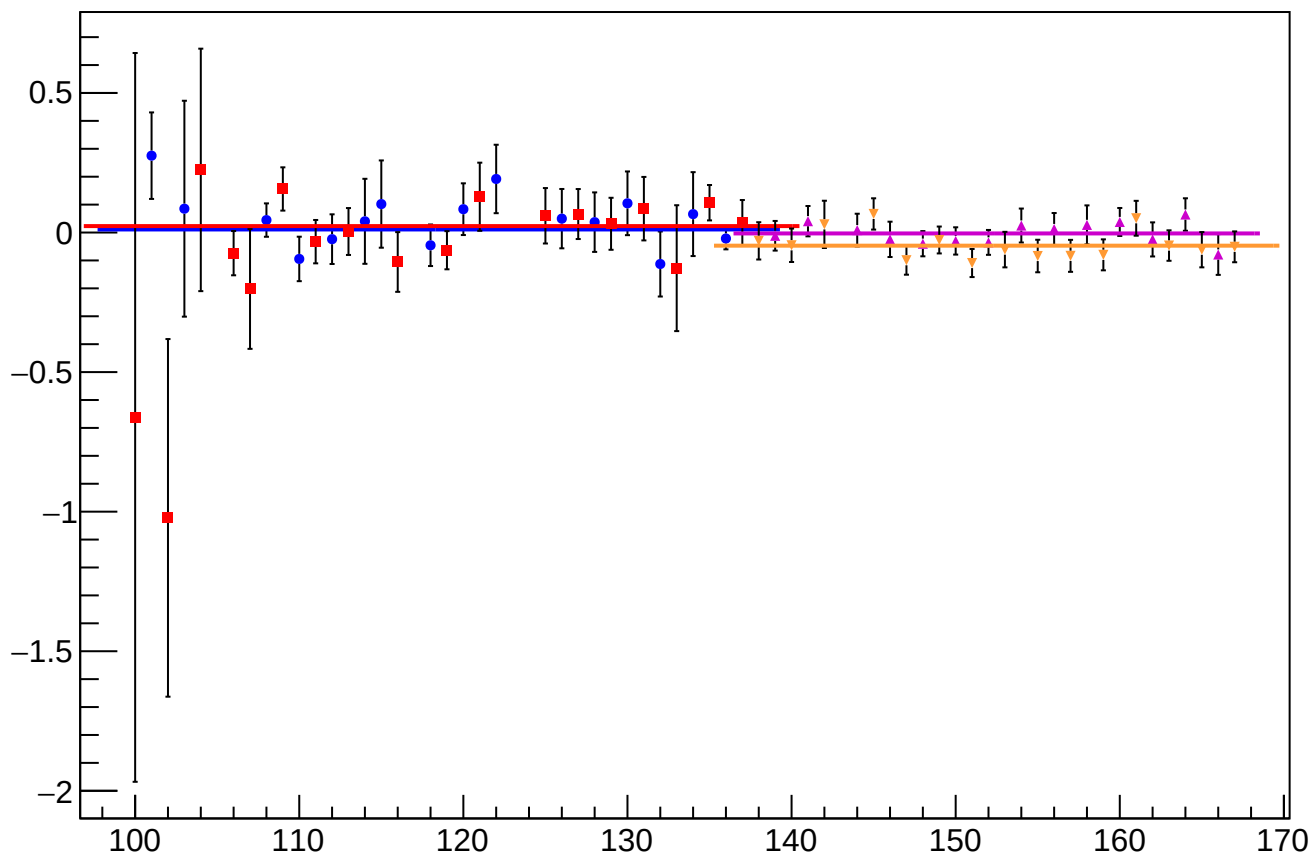
Left In: 0.002+/-0.000 χ^2/NDF : 4873535.0/13

+ sign 0.003+/-0.000 χ^2/NDF : 12511208.7/30

All: 0.003+/-0.000 χ^2/NDF : 21672795.3/62

- sign 0.003+/-0.000 χ^2/NDF : 9155313.9/31

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: -0.047 $\pm$ 0.015 χ^2 /NDF: 11.5/14

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 15.9/17

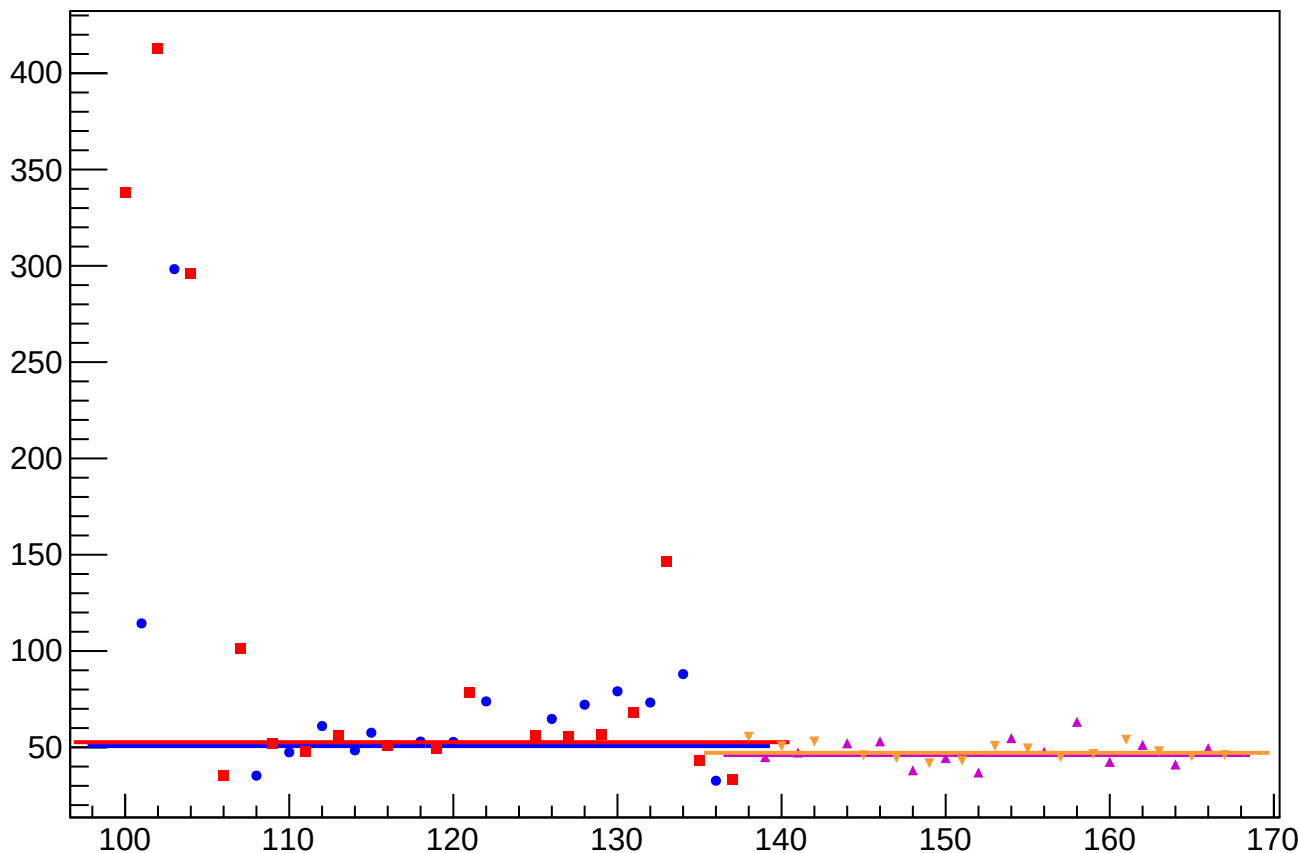
Left In: -0.003 $\pm$ 0.015 χ^2 /NDF: 6.0/13

+ sign -0.029 $\pm$ 0.012 χ^2 /NDF: 28.0/30

All: -0.012 $\pm$ 0.009 χ^2 /NDF: 54.5/62

- sign 0.004 $\pm$ 0.012 χ^2 /NDF: 22.9/31

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: 47.156 $\pm$ 0.011 χ^2 /NDF:130818.9/14

Right Out: 52.667 $\pm$ 0.016 χ^2 /NDF: 2211822.2/17

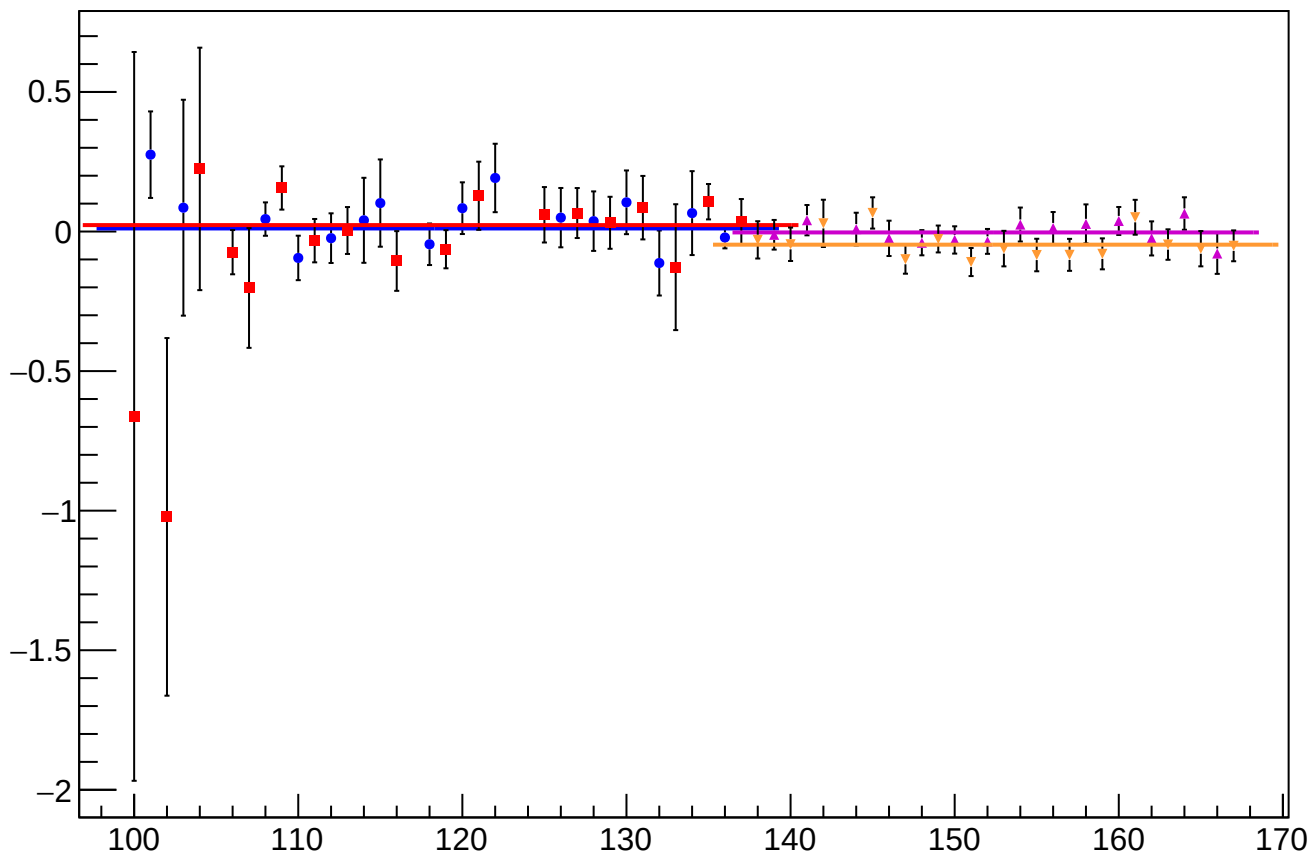
Left In: 46.035 $\pm$ 0.010 χ^2 /NDF:403601.4/13

+ sign 48.263 $\pm$ 0.009 χ^2 /NDF: 2431927.0/30

All: 48.113 $\pm$ 0.006 χ^2 /NDF: 5164810.9/62

- sign 47.960 $\pm$ 0.009 χ^2 /NDF: 2732287.5/31

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.047 $\pm$ 0.015 χ^2 /NDF: 11.5/14

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 15.9/17

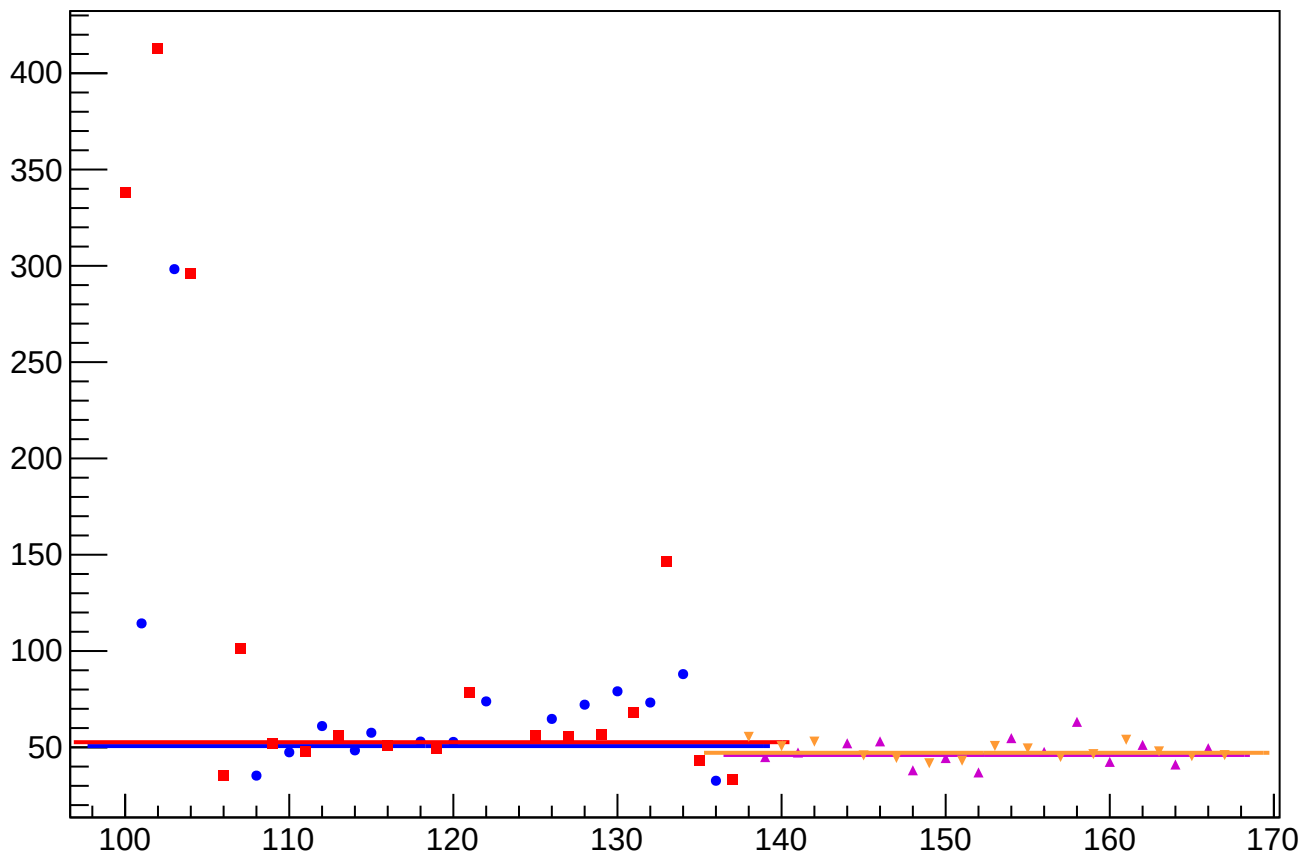
Left In: -0.003 $\pm$ 0.015 χ^2 /NDF: 6.0/13

+ sign -0.029 $\pm$ 0.012 χ^2 /NDF: 28.0/30

All: -0.012 $\pm$ 0.009 χ^2 /NDF: 54.5/62

- sign 0.004 $\pm$ 0.012 χ^2 /NDF: 22.9/31

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.646 $\pm$ 0.015 χ^2 /NDF: 2266348.3/15

Left Out: 47.156 $\pm$ 0.011 χ^2 /NDF: 130818.9/14

Right Out: 52.667 $\pm$ 0.016 χ^2 /NDF: 2211822.2/17

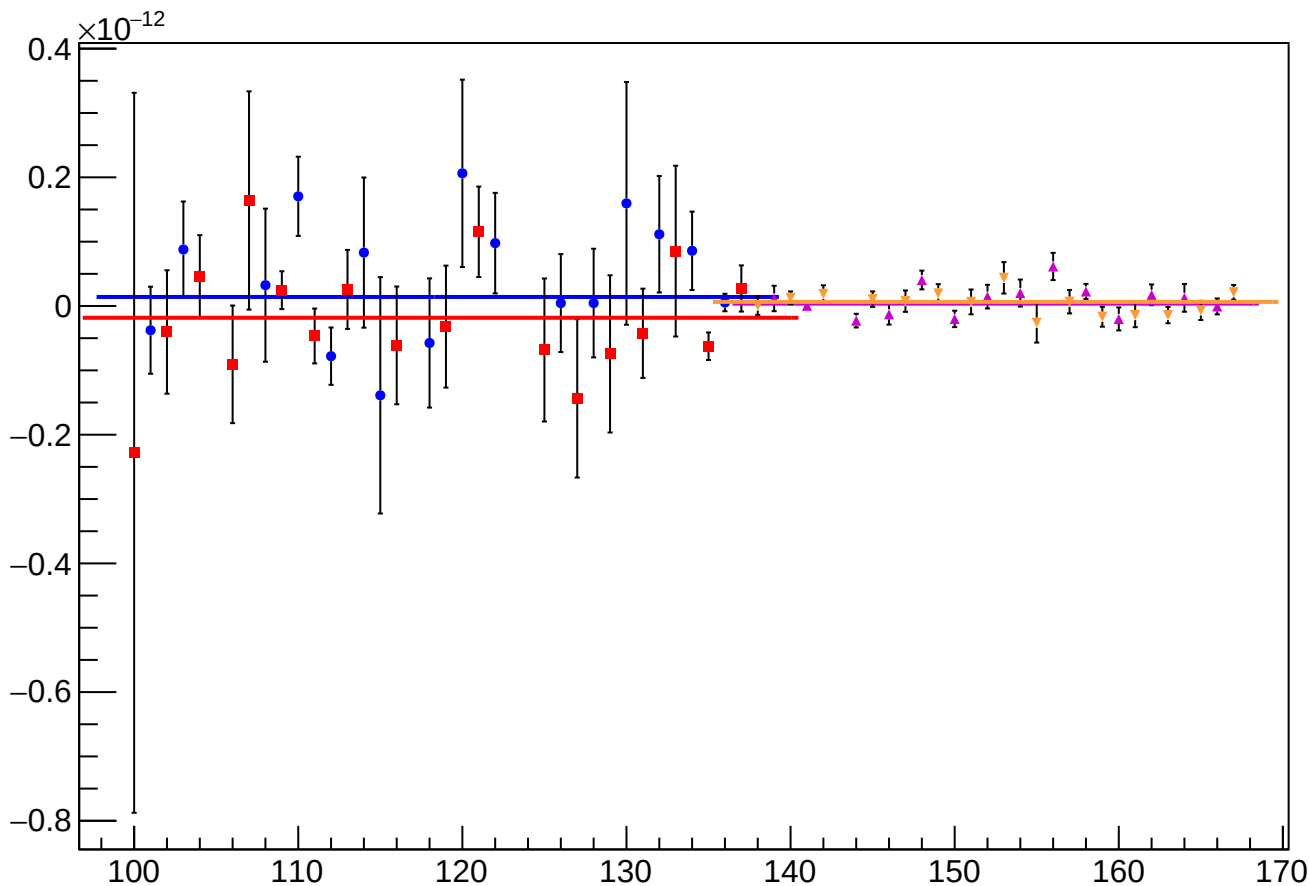
Left In: 46.035 $\pm$ 0.010 χ^2 /NDF: 403601.4/13

+ sign 48.263 $\pm$ 0.009 χ^2 /NDF: 2431927.0/30

All: 48.113 $\pm$ 0.006 χ^2 /NDF: 5164810.9/62

- sign 47.960 $\pm$ 0.009 χ^2 /NDF: 2732287.5/31

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:14.3/14

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/17

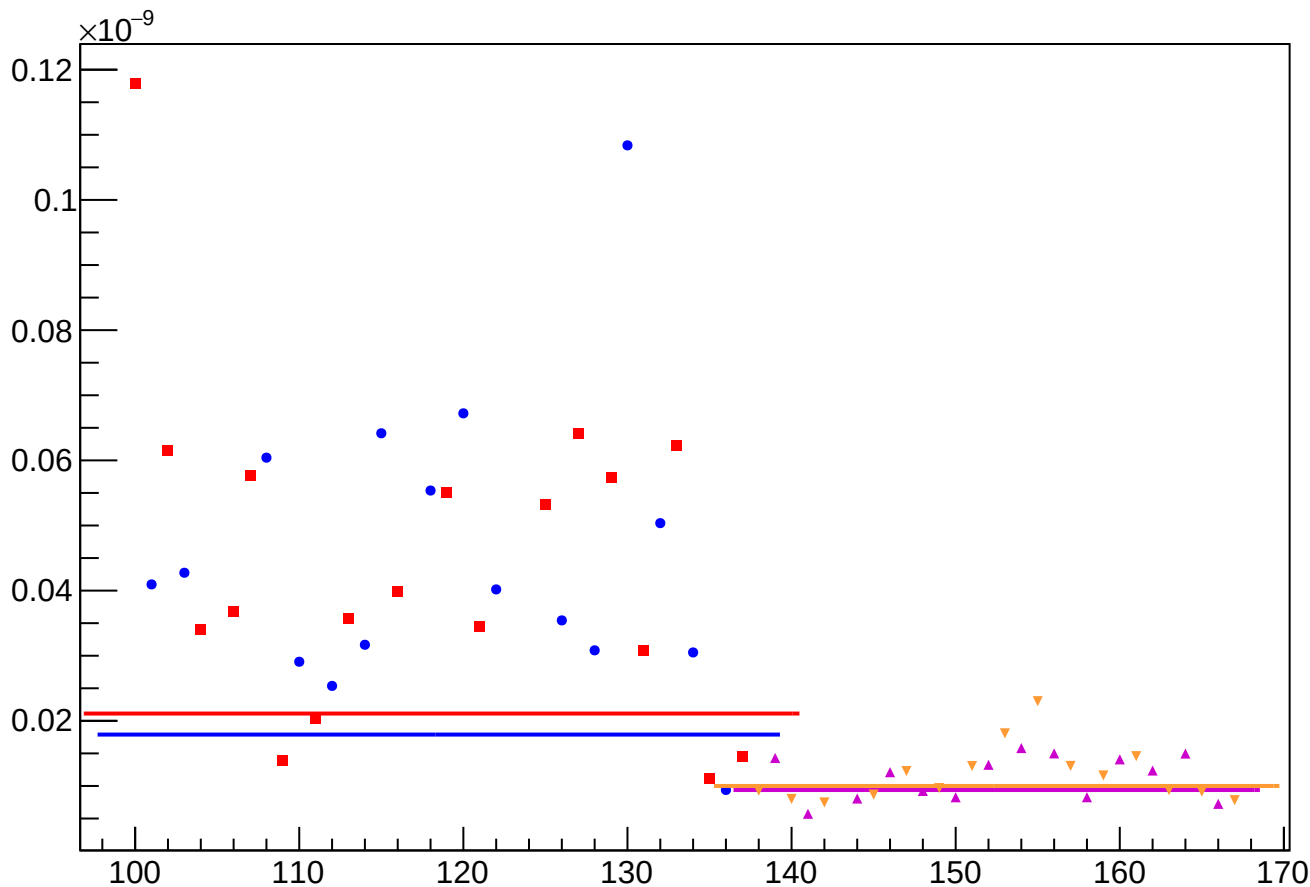
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:31.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.1/30

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.2/62

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.0/31

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 : 1124491.1/14

Right Out: 0.000+/-0.000 χ^2/NDF : 2621588.2/17

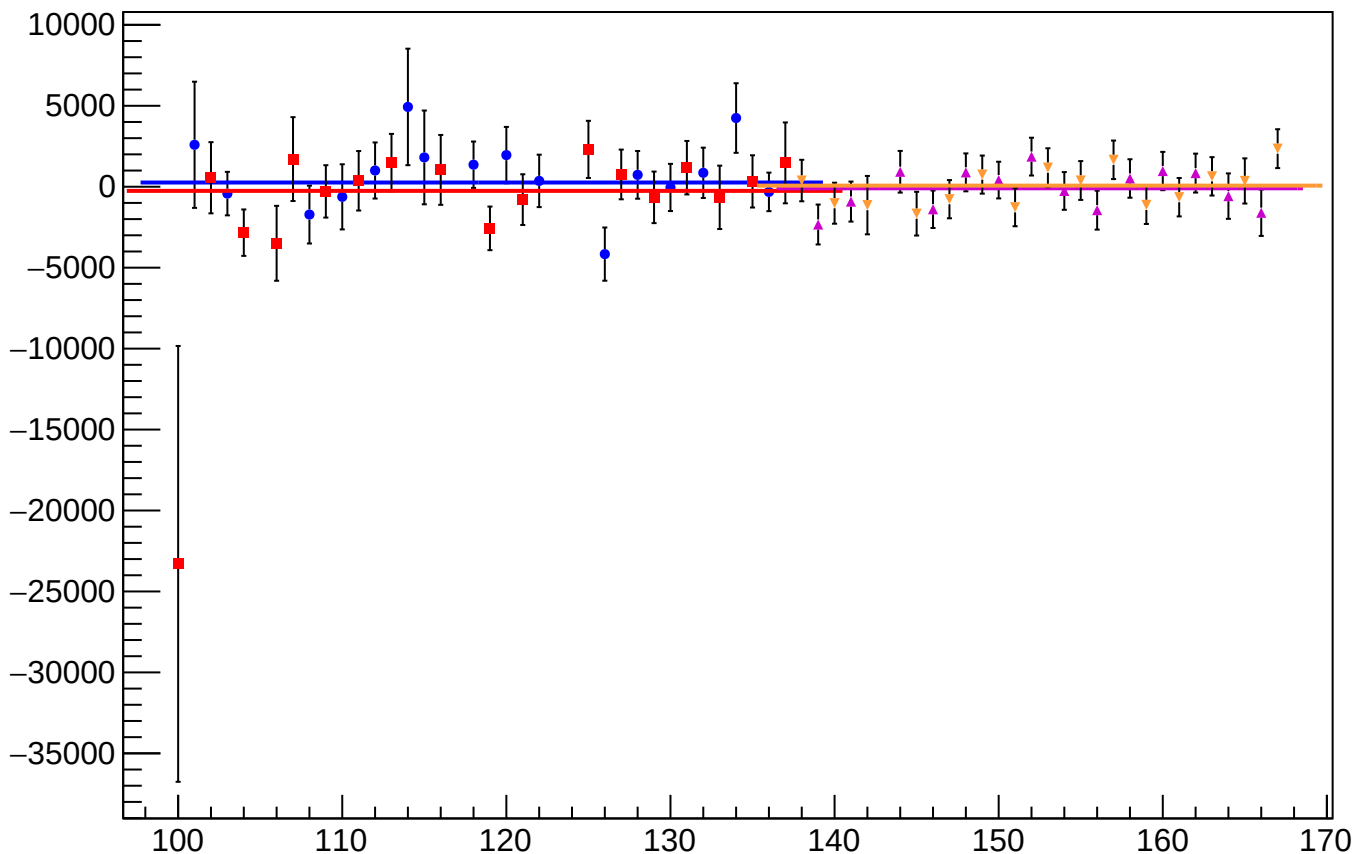
Left In: 0.000+/-0.000 χ^2/NDF : 1499156.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 5396257.5/30

All: 0.000+/-0.000 χ^2/NDF : 11149530.6/62

- sign 0.000+/-0.000 χ^2/NDF : 5735508.8/31

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: 68.880 $\pm$ 321.090 χ^2 /NDF:13.0/14

Right Out: -255.934 $\pm$ 425.784 χ^2 /NDF: 17.4/17

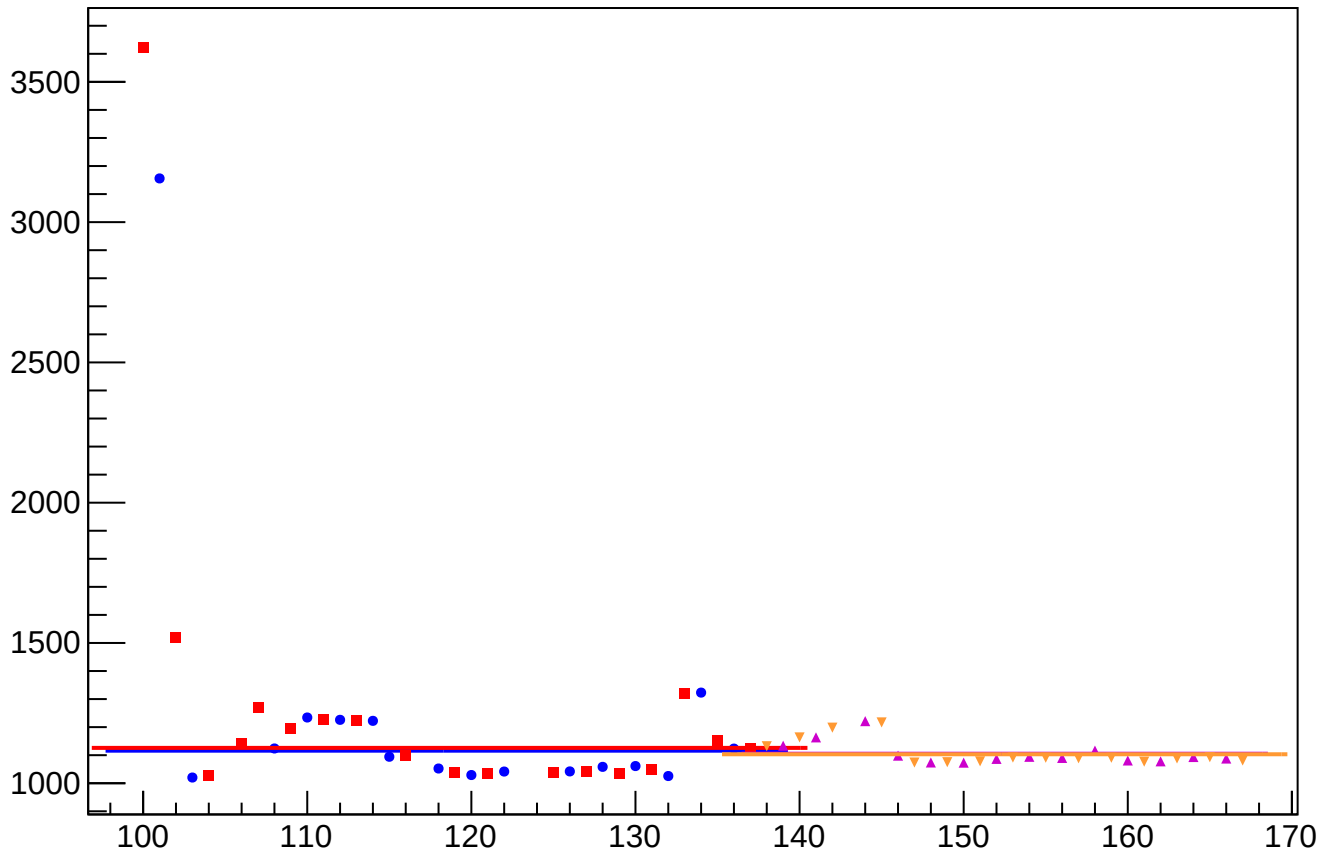
Left In: -96.983 $\pm$ 325.457 χ^2 /NDF:13.5/13

+ sign 138.690 $\pm$ 256.118 χ^2 /NDF: 30.1/30

All: -7.054 $\pm$ 181.964 χ^2 /NDF: 61.7/62

- sign -155.603 $\pm$ 258.571 χ^2 /NDF: 31.0/31

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: 1103.280 $\pm$ 0.227 χ^2 /NDF: 31487.4/14

Right Out: 1126.016 $\pm$ 0.301 χ^2 /NDF: 222106.0/17

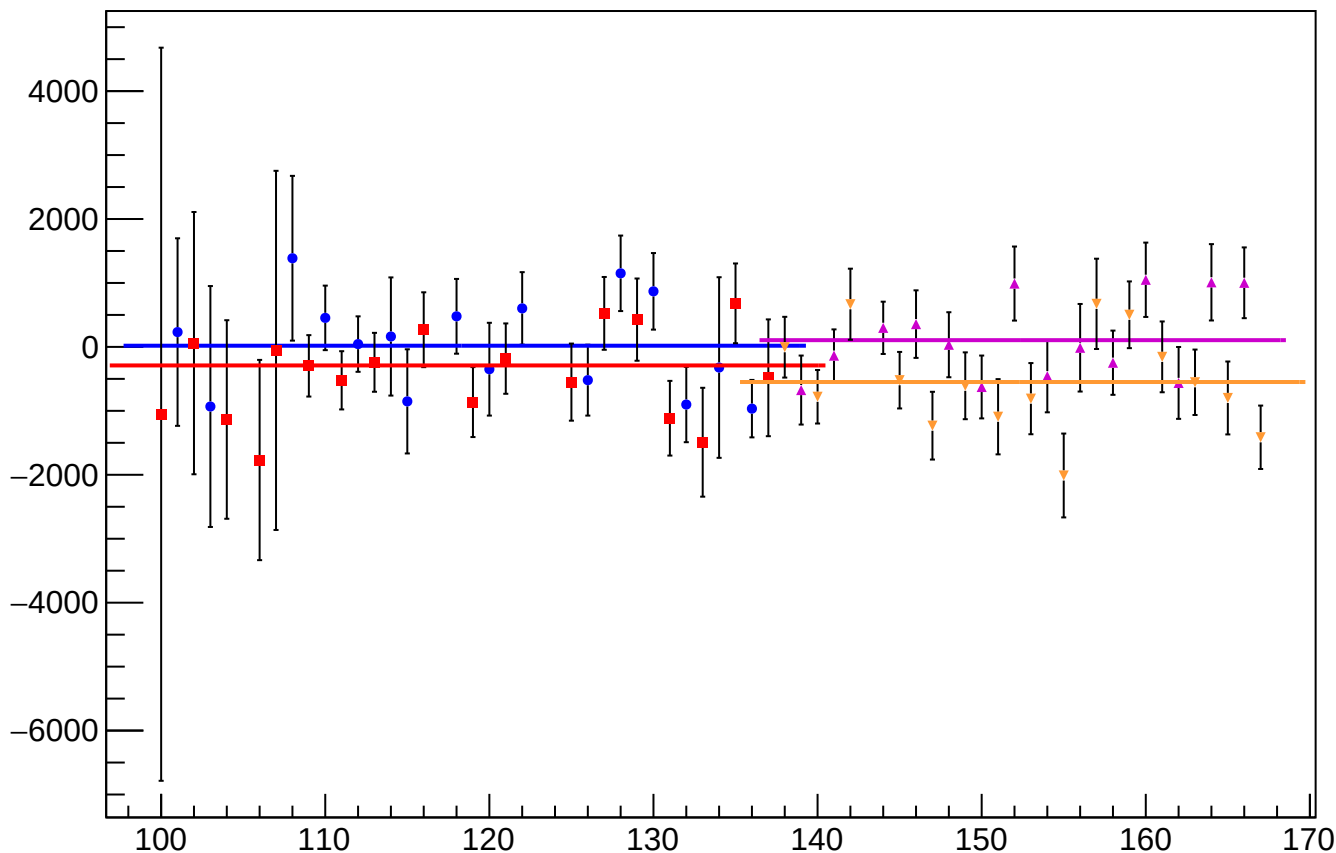
Left In: 1105.244 $\pm$ 0.230 χ^2 /NDF: 28280.6/13

+ sign 1107.940 $\pm$ 0.181 χ^2 /NDF: 656036.0/30

All: 1110.398 $\pm$ 0.129 χ^2 /NDF: 909799.3/62

- sign 1112.904 $\pm$ 0.183 χ^2 /NDF: 253391.1/31

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: 18.468 $\pm$ 161.237 χ^2/NDF : 19.2/15

Left Out: -548.951 $\pm$ 135.991 χ^2/NDF : 24.9/14

Right Out: -289.946 $\pm$ 156.189 χ^2/NDF : 13.5/17

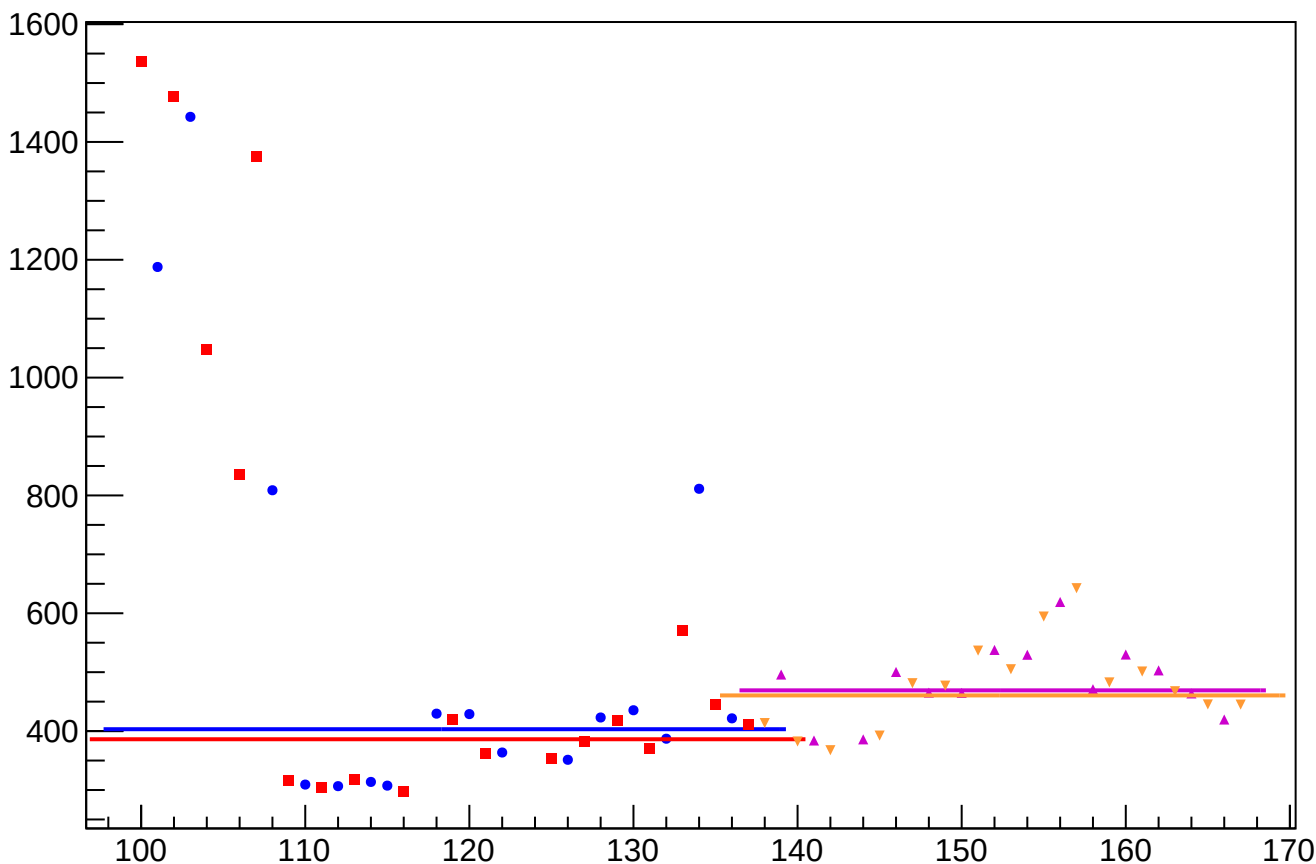
Left In: 105.365 $\pm$ 139.542 χ^2/NDF : 18.0/13

+ sign -313.092 $\pm$ 103.954 χ^2/NDF : 51.3/30

All: -191.725 $\pm$ 73.544 χ^2/NDF : 89.1/62

- sign -70.108 $\pm$ 104.061 χ^2/NDF : 35.0/31

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194 $\pm$ 0.114 χ^2 /NDF: 1808432.3/15

Left Out: 460.547 $\pm$ 0.096 χ^2 /NDF: 478523.8/14

Right Out: 386.146 $\pm$ 0.110 χ^2 /NDF: 1759113.8/17

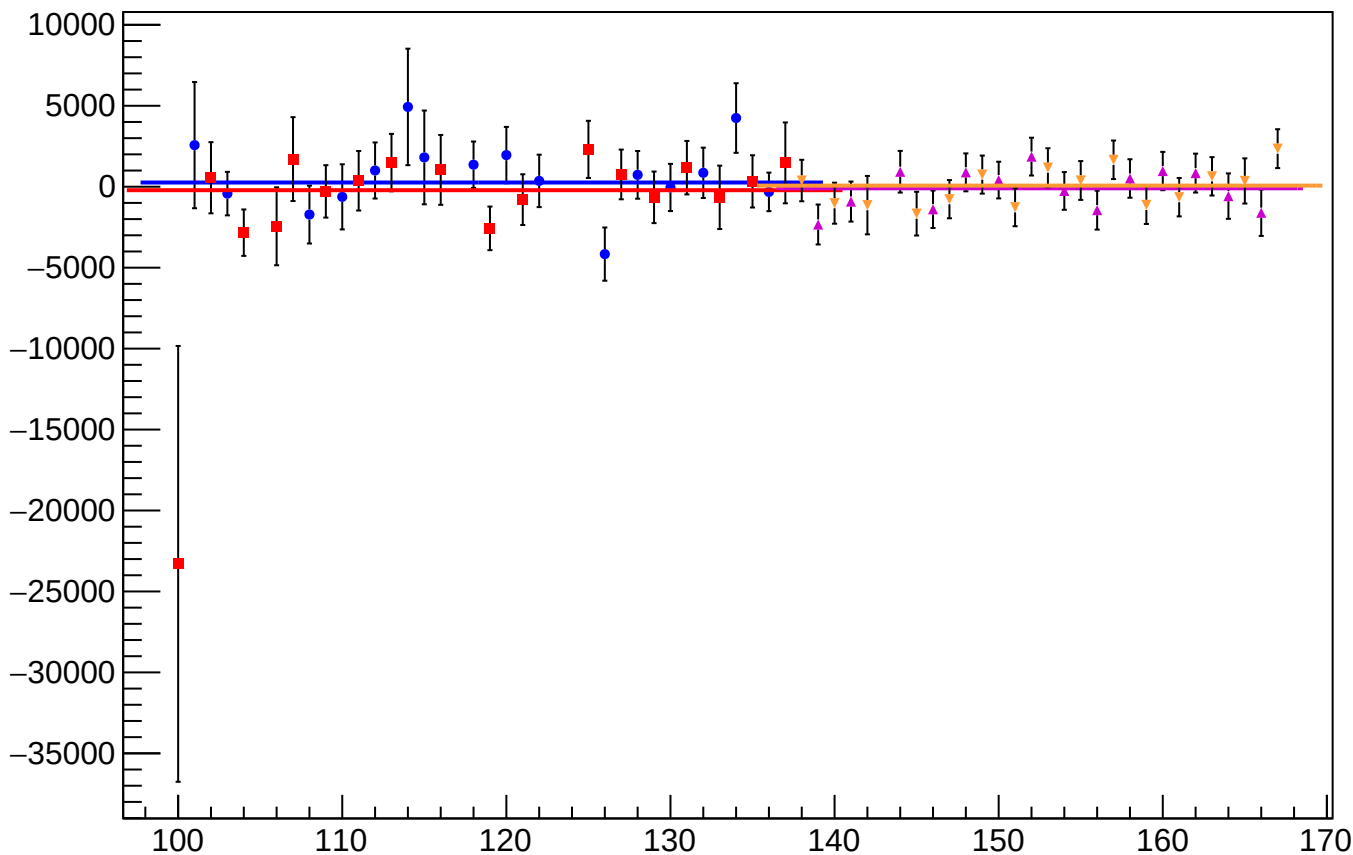
Left In: 469.163 $\pm$ 0.099 χ^2 /NDF: 373315.2/13

+ sign 436.707 $\pm$ 0.074 χ^2 /NDF: 2434821.2/30

All: 434.512 $\pm$ 0.052 χ^2 /NDF: 4883248.8/62

- sign 432.313 $\pm$ 0.074 χ^2 /NDF: 2446642.7/31

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: 68.863 $\pm$ 321.090 χ^2 /NDF:13.0/14

Right Out: -214.501 $\pm$ 426.342 χ^2 /NDF: 16.2/17

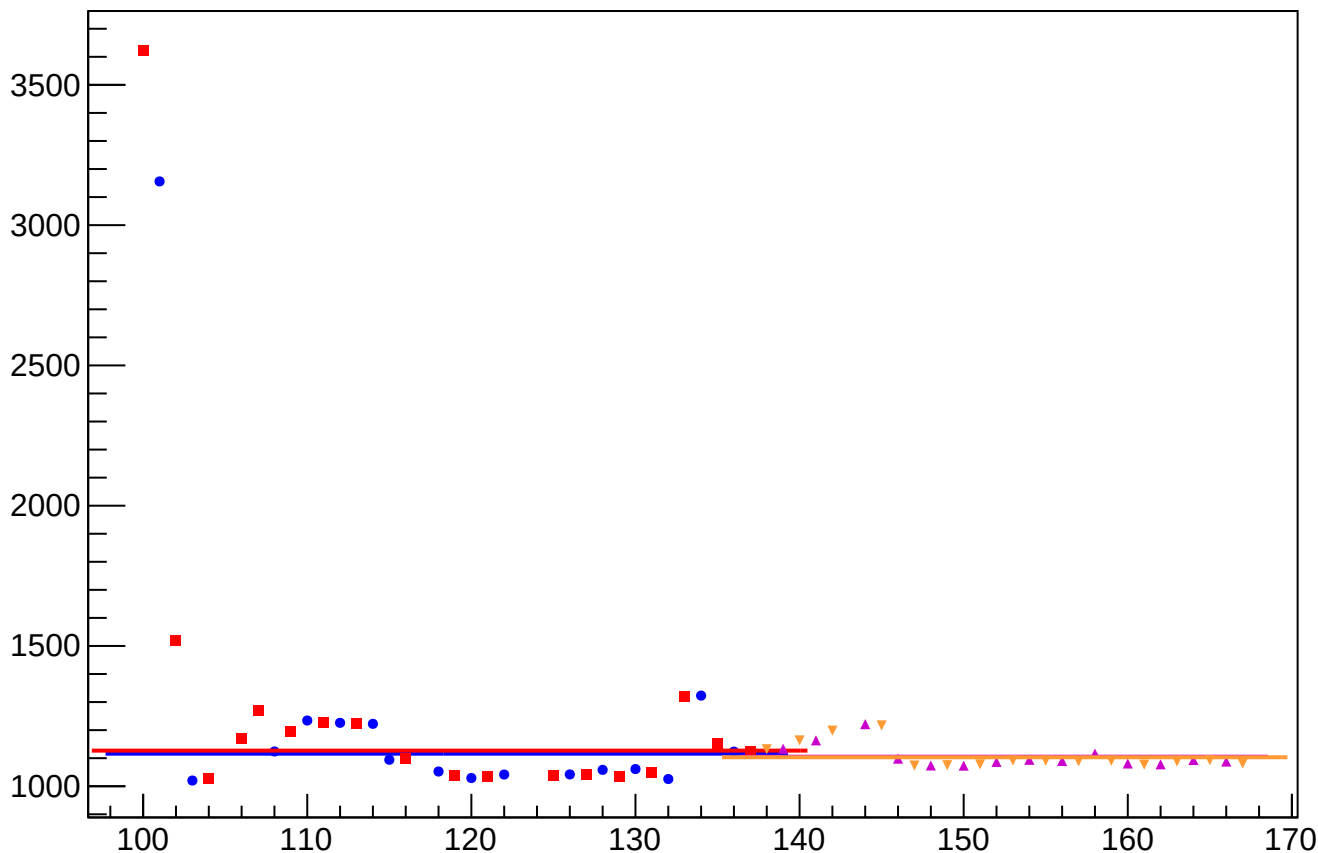
Left In: -96.992 $\pm$ 325.457 χ^2 /NDF:13.5/13

+ sign 138.540 $\pm$ 256.118 χ^2 /NDF: 30.1/30

All: 0.538 $\pm$ 182.007 χ^2 /NDF: 60.5/62

- sign -140.257 $\pm$ 258.696 χ^2 /NDF: 29.8/31

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF : 623391.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF : 31487.4/14

Right Out: 1126.960+/-0.301 χ^2/NDF : 222740.2/17

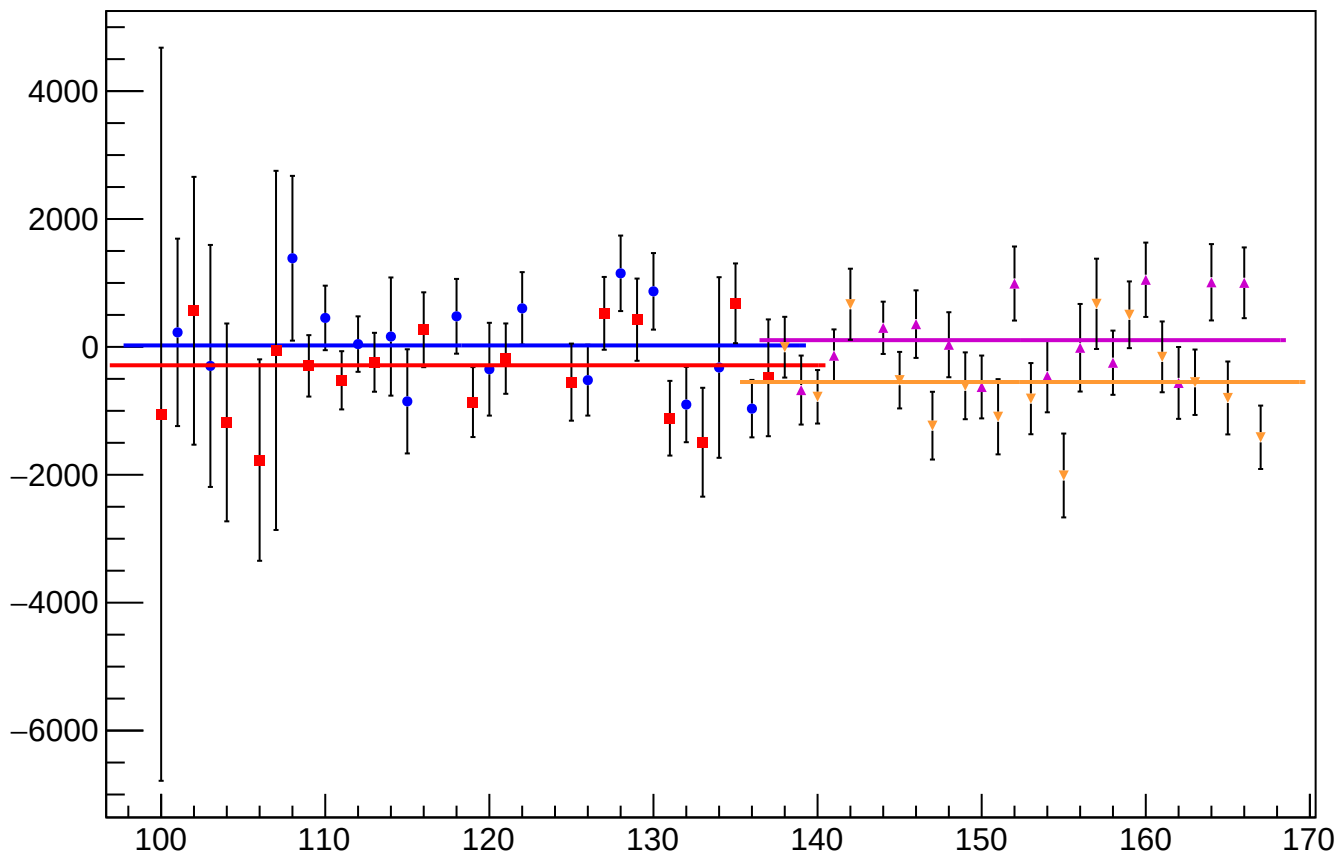
Left In: 1105.244+/-0.230 χ^2/NDF : 28280.6/13

+ sign 1107.939+/-0.181 χ^2/NDF : 656037.0/30

All: 1110.563+/-0.129 χ^2/NDF : 910760.3/62

- sign 1113.239+/-0.183 χ^2/NDF : 254299.3/31

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: -549.014 ± 135.991 χ^2/NDF : 24.9/14

Right Out: -287.614 ± 156.212 χ^2/NDF : 13.7/17

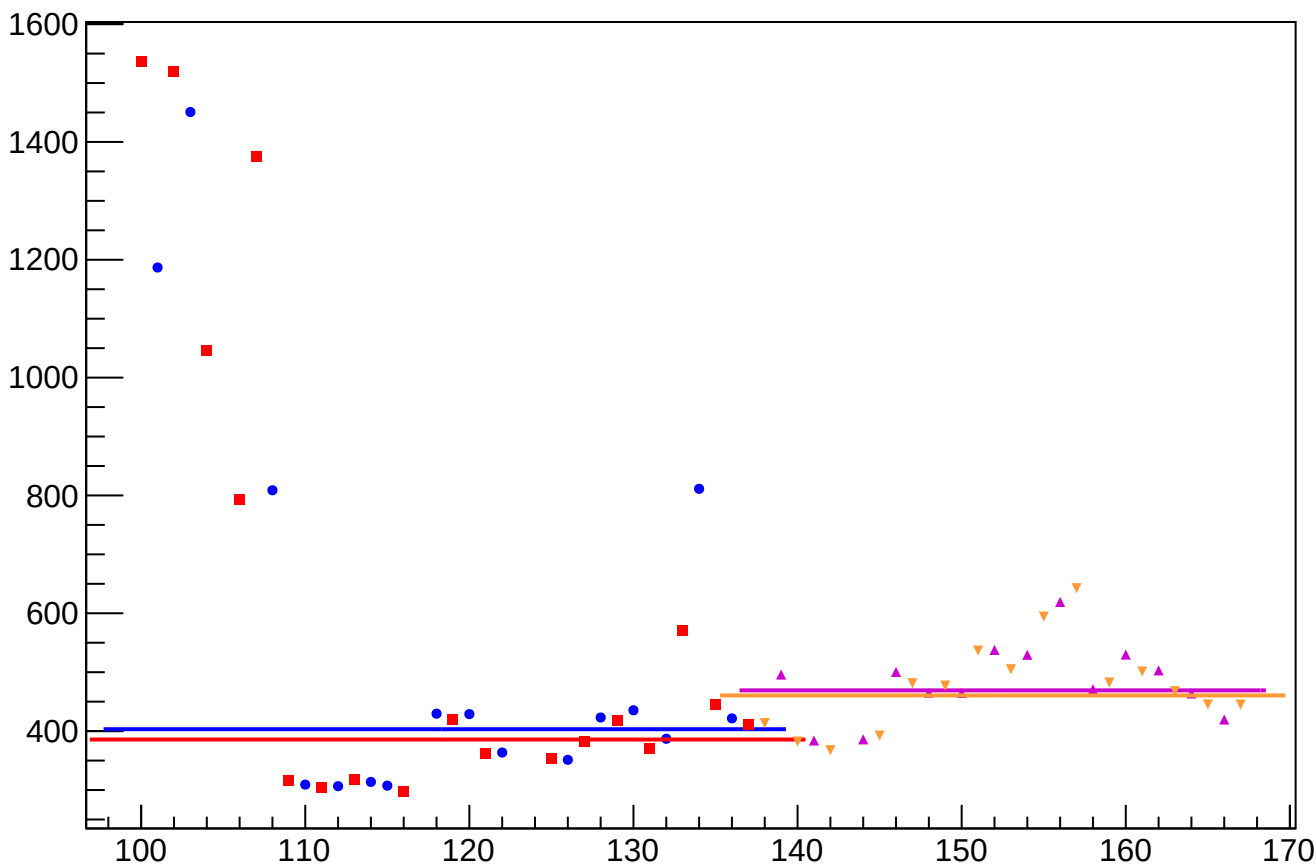
Left In: 105.329 ± 139.541 χ^2/NDF : 18.0/13

+ sign -311.279 ± 103.954 χ^2/NDF : 51.2/30

All: -190.303 ± 73.546 χ^2/NDF : 89.1/62

- sign -69.063 ± 104.067 χ^2/NDF : 35.1/31

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182 ± 0.114 $\chi^2/\text{NDF}: 1812111.0/15$

Left Out: 460.545 ± 0.096 $\chi^2/\text{NDF}: 478541.8/14$

Right Out: 385.682 ± 0.110 $\chi^2/\text{NDF}: 1747152.2/17$

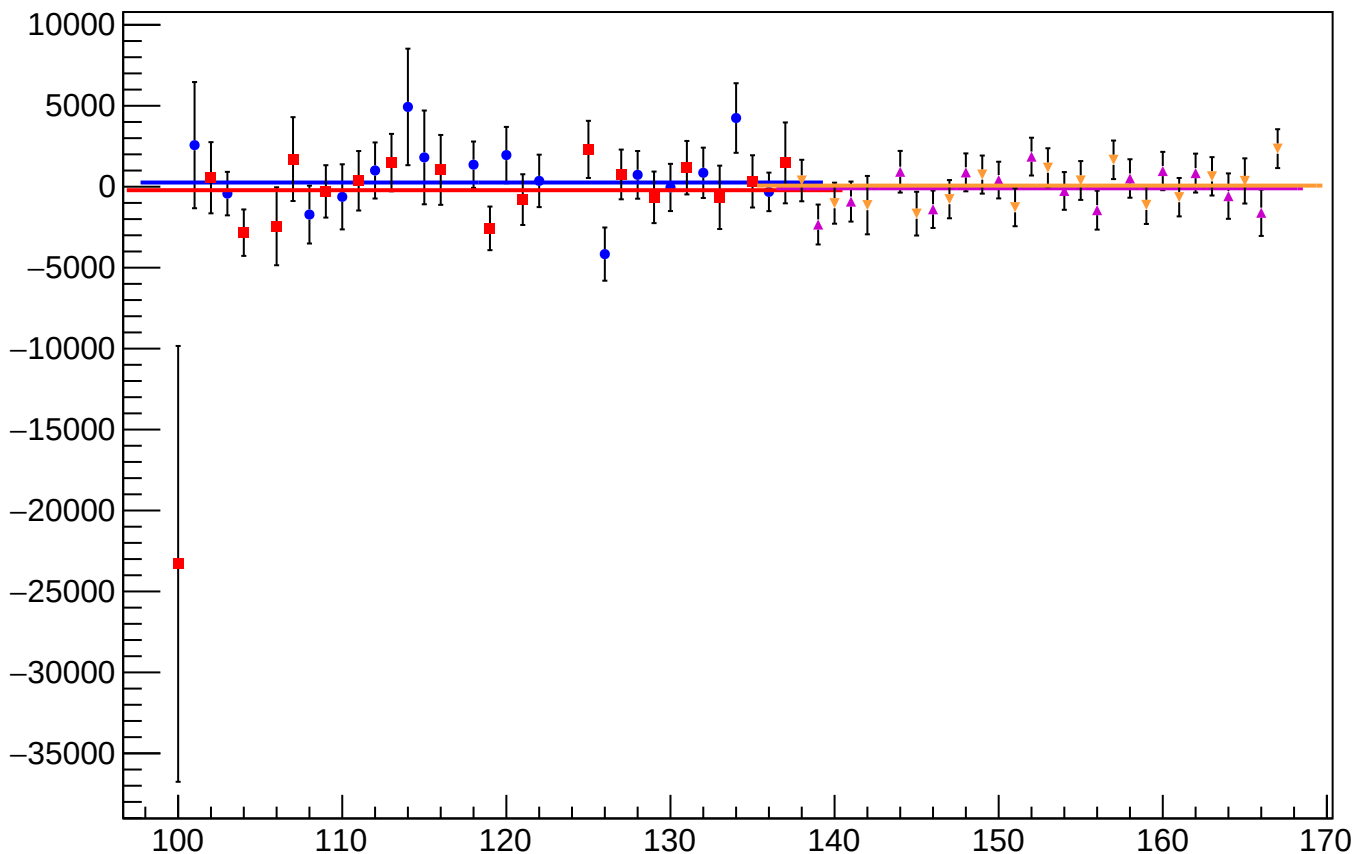
Left In: 469.160 ± 0.099 $\chi^2/\text{NDF}: 373287.1/13$

+ sign 436.701 ± 0.074 $\chi^2/\text{NDF}: 2438569.2/30$

All: 434.409 ± 0.052 $\chi^2/\text{NDF}: 4878623.9/62$

- sign 432.111 ± 0.074 $\chi^2/\text{NDF}: 2438107.3/31$

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415 ± 424.657 χ^2/NDF : 16.9/15

Left Out: 68.863 ± 321.090 χ^2/NDF : 13.0/14

Right Out: -214.501 ± 426.342 χ^2/NDF : 16.2/17

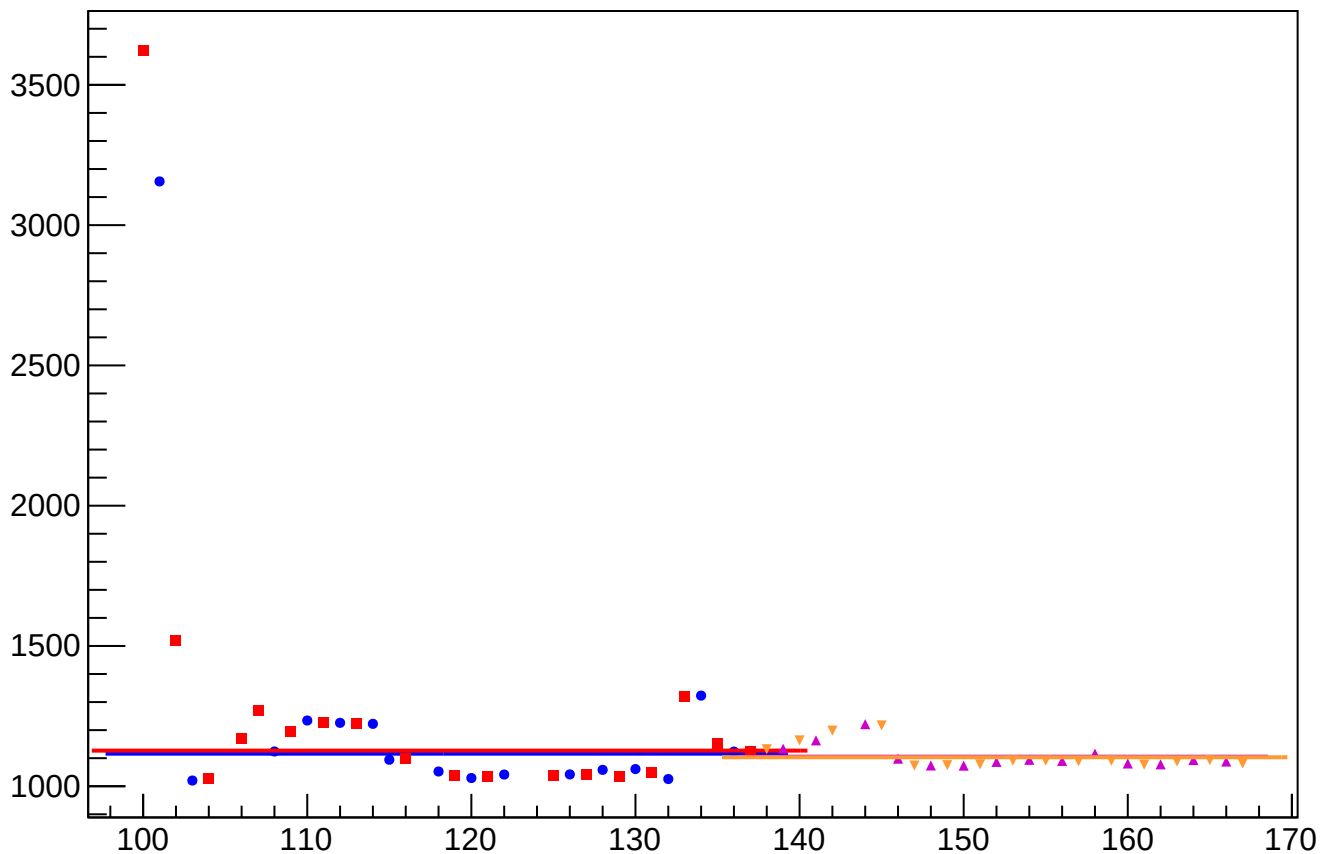
Left In: -96.992 ± 325.457 χ^2/NDF : 13.5/13

+ sign 138.540 ± 256.118 χ^2/NDF : 30.1/30

All: 0.538 ± 182.007 χ^2/NDF : 60.5/62

- sign -140.257 ± 258.696 χ^2/NDF : 29.8/31

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: 1103.280+/-0.227 χ^2/NDF : 31487.4/14

Right Out: 1126.960+/-0.301 χ^2/NDF : 222740.2/17

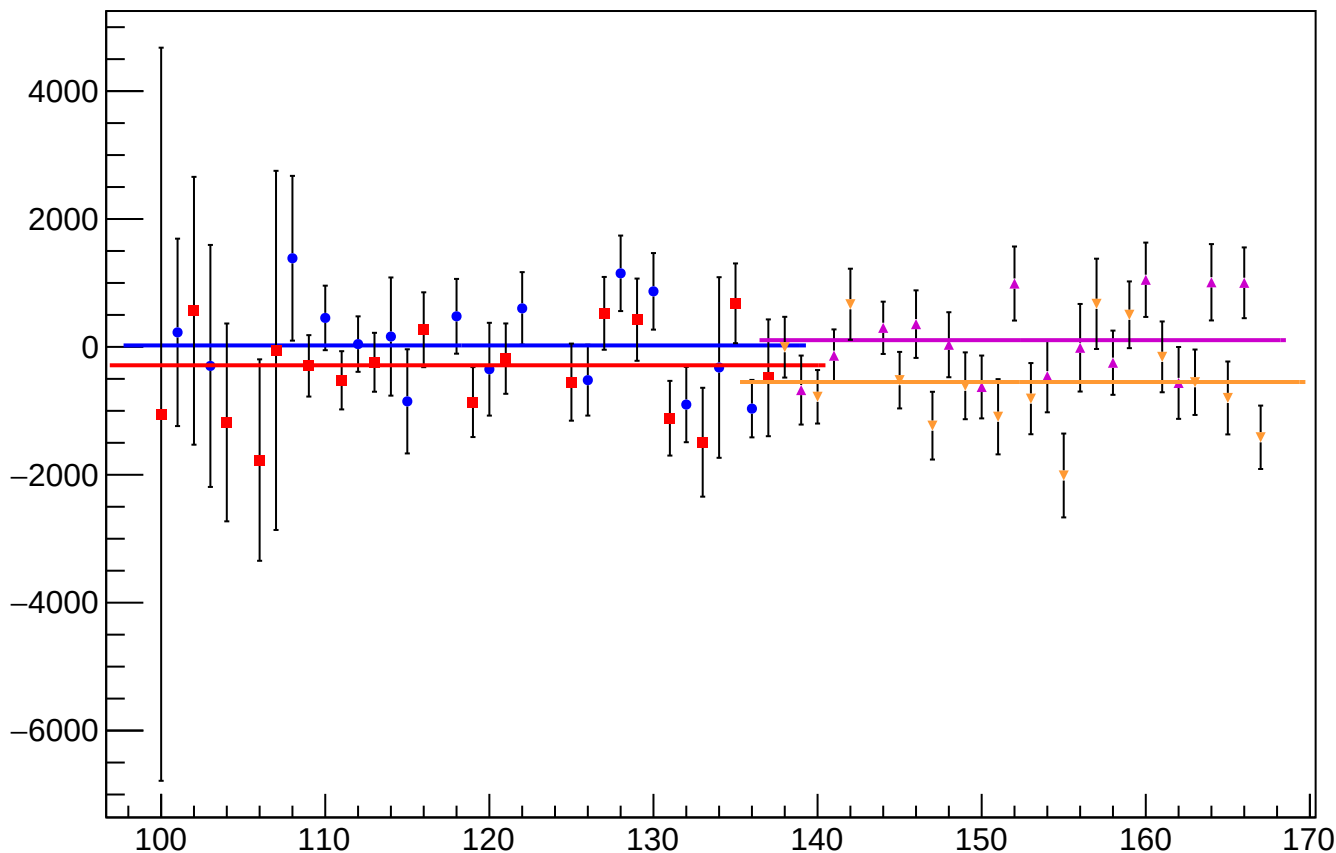
Left In: 1105.244+/-0.230 χ^2/NDF : 28280.6/13

+ sign 1107.939+/-0.181 χ^2/NDF : 656037.0/30

All: 1110.563+/-0.129 χ^2/NDF : 910760.3/62

- sign 1113.239+/-0.183 χ^2/NDF : 254299.3/31

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: -549.014+/-135.991 χ^2/NDF : 24.9/14

Right Out: -287.614+/-156.212 χ^2/NDF : 13.7/17

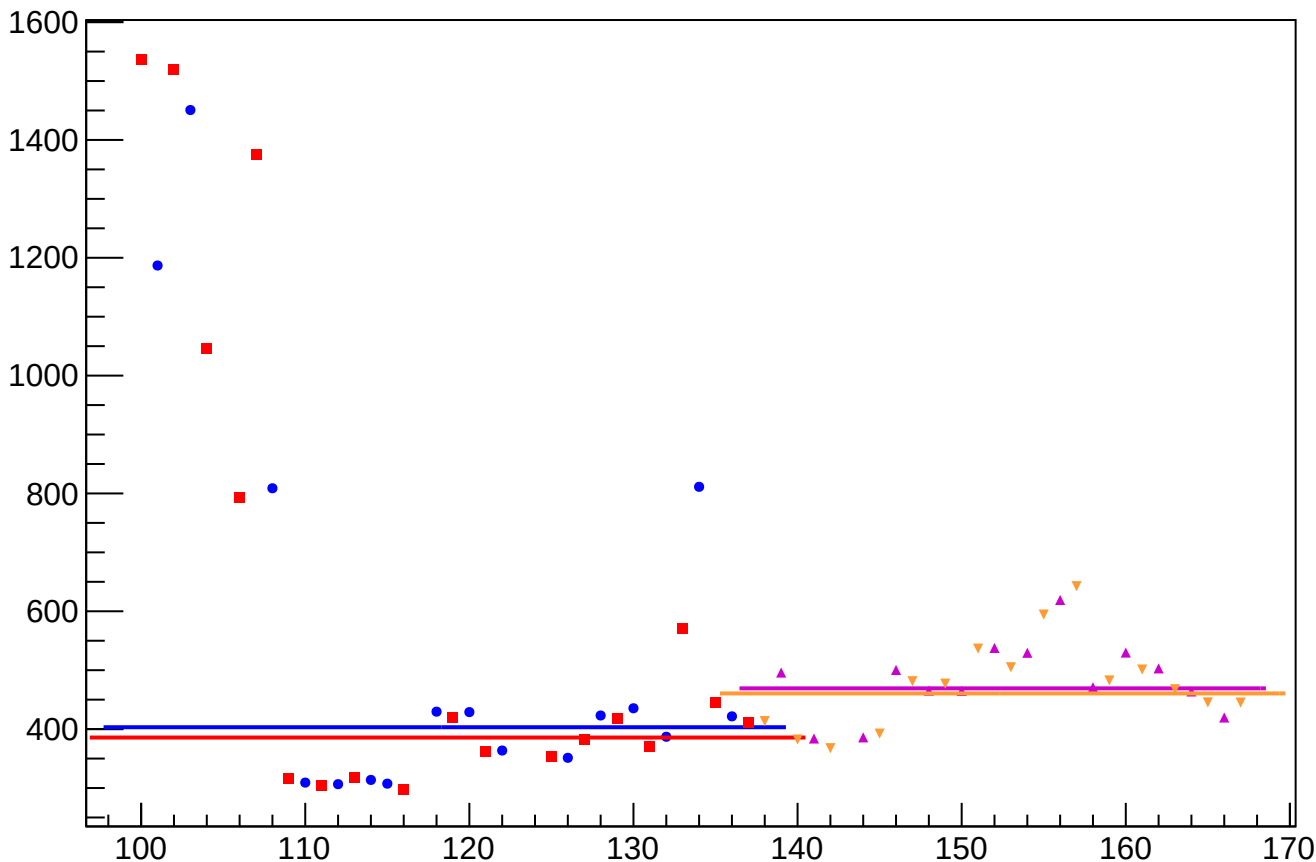
Left In: 105.329+/-139.541 χ^2/NDF : 18.0/13

+ sign -311.279+/-103.954 χ^2/NDF : 51.2/30

All: -190.303+/-73.546 χ^2/NDF : 89.1/62

- sign -69.063+/-104.067 χ^2/NDF : 35.1/31

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 403.182 $\pm$ 0.114 χ^2 /NDF: 1812111.0/15

Left Out: 460.545 $\pm$ 0.096 χ^2 /NDF: 478541.8/14

+ sign 436.701 $\pm$ 0.074 χ^2 /NDF: 2438569.2/30

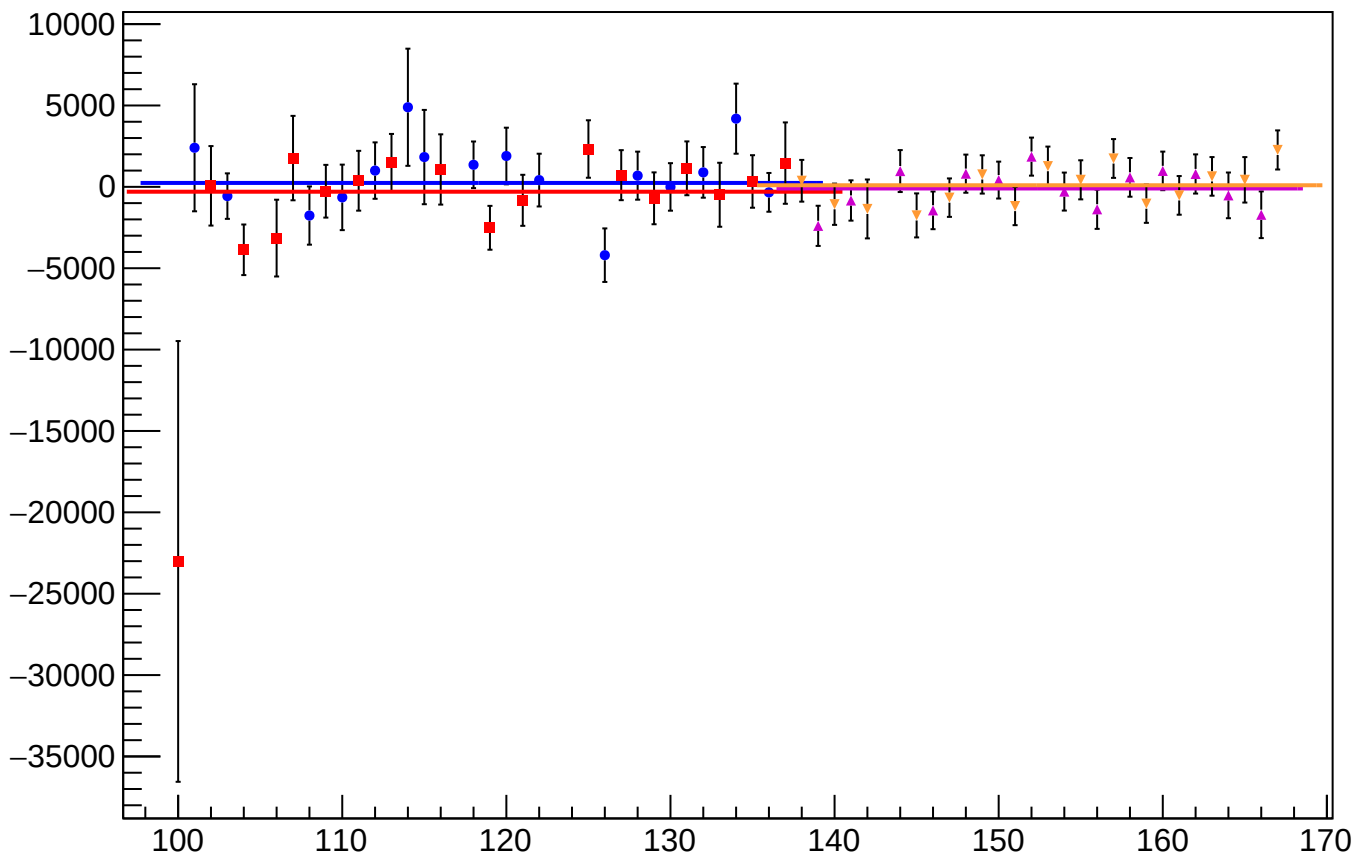
Right Out: 385.682 $\pm$ 0.110 χ^2 /NDF: 1747152.2/17

All: 434.409 $\pm$ 0.052 χ^2 /NDF: 4878623.9/62

Left In: 469.160 $\pm$ 0.099 χ^2 /NDF: 373287.1/13

- sign 432.111 $\pm$ 0.074 χ^2 /NDF: 2438107.3/31

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: 98.021 $\pm$ 321.453 χ^2 /NDF:13.0/14

Right Out: -298.921 $\pm$ 430.767 χ^2 /NDF: 18.7/17

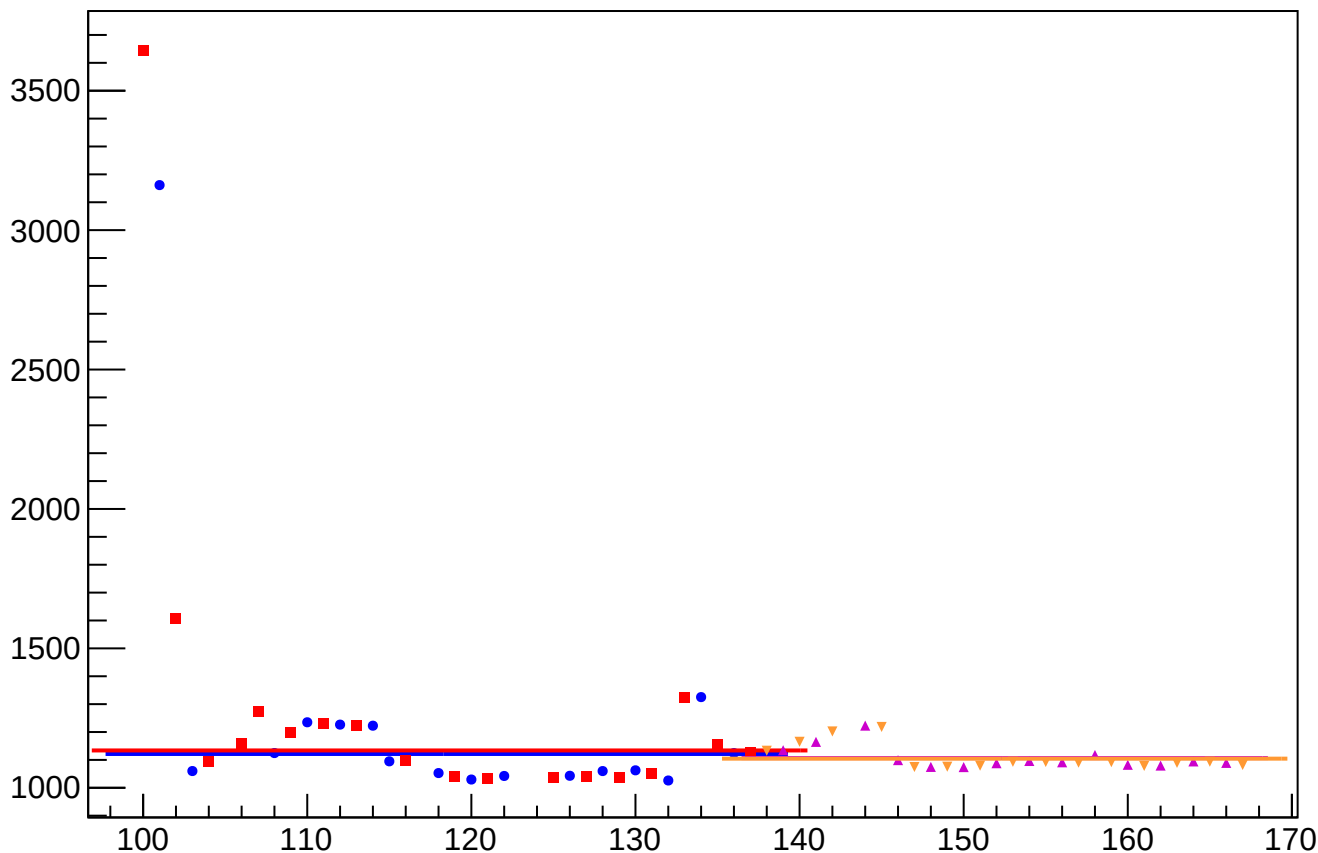
Left In: -100.298 $\pm$ 325.826 χ^2 /NDF:13.7/13

+ sign 149.741 $\pm$ 256.726 χ^2 /NDF: 30.0/30

All: -9.463 $\pm$ 182.631 χ^2 /NDF: 63.3/62

- sign -172.580 $\pm$ 259.862 χ^2 /NDF: 32.5/31

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294 $\pm$ 0.302 χ^2 /NDF: 617028.4/15

Left Out: 1104.510 $\pm$ 0.227 χ^2 /NDF: 31892.5/14

+ sign 1110.589 $\pm$ 0.182 χ^2 /NDF: 650895.5/30

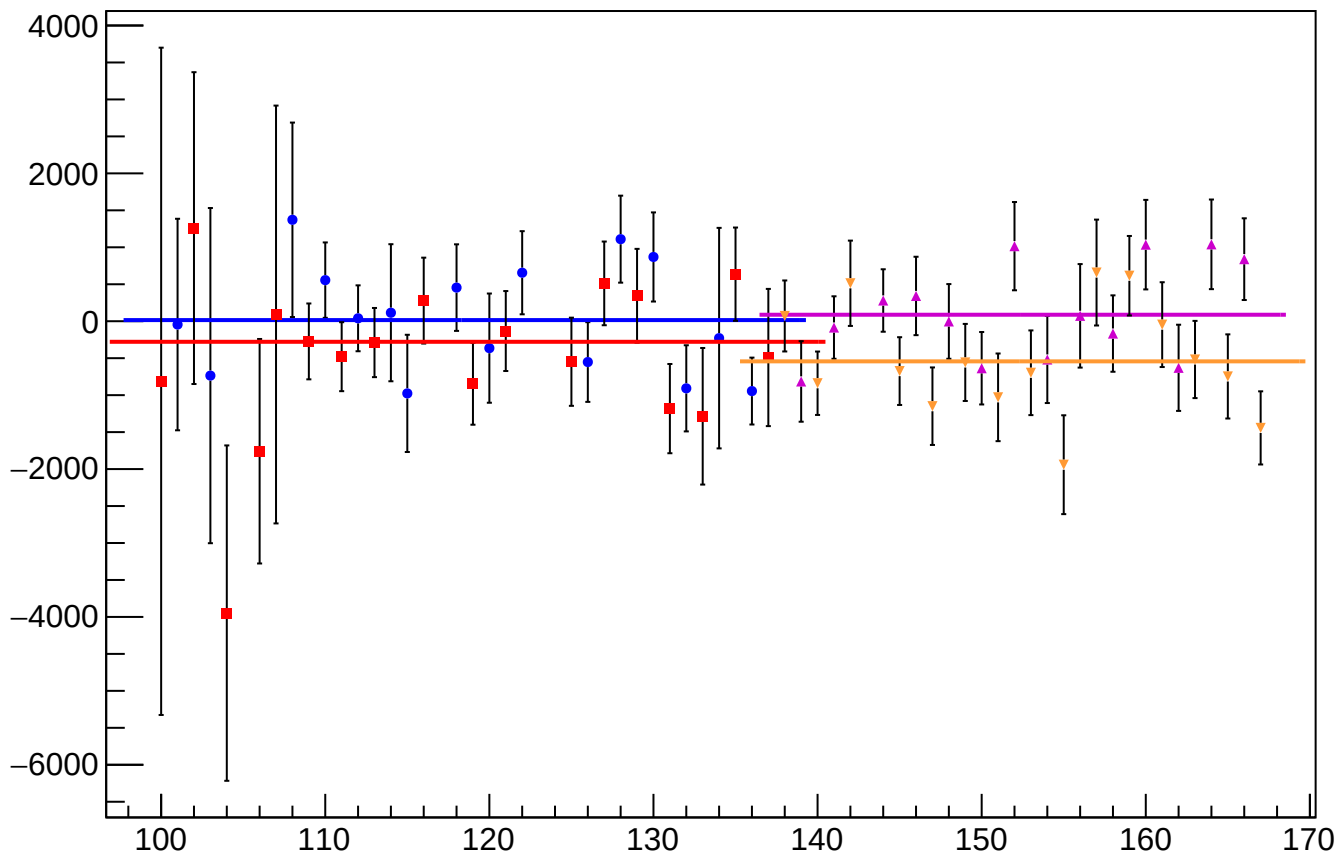
Right Out: 1133.929 $\pm$ 0.305 χ^2 /NDF: 227457.1/17

All: 1113.497 $\pm$ 0.129 χ^2 /NDF: 912352.8/62

Left In: 1106.493 $\pm$ 0.230 χ^2 /NDF: 28319.8/13

- sign 1116.477 $\pm$ 0.184 χ^2 /NDF: 260937.7/31

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: -542.908 $\pm$ 138.311 χ^2/NDF : 23.6/14

Right Out: -278.251 $\pm$ 158.828 χ^2/NDF : 15.1/17

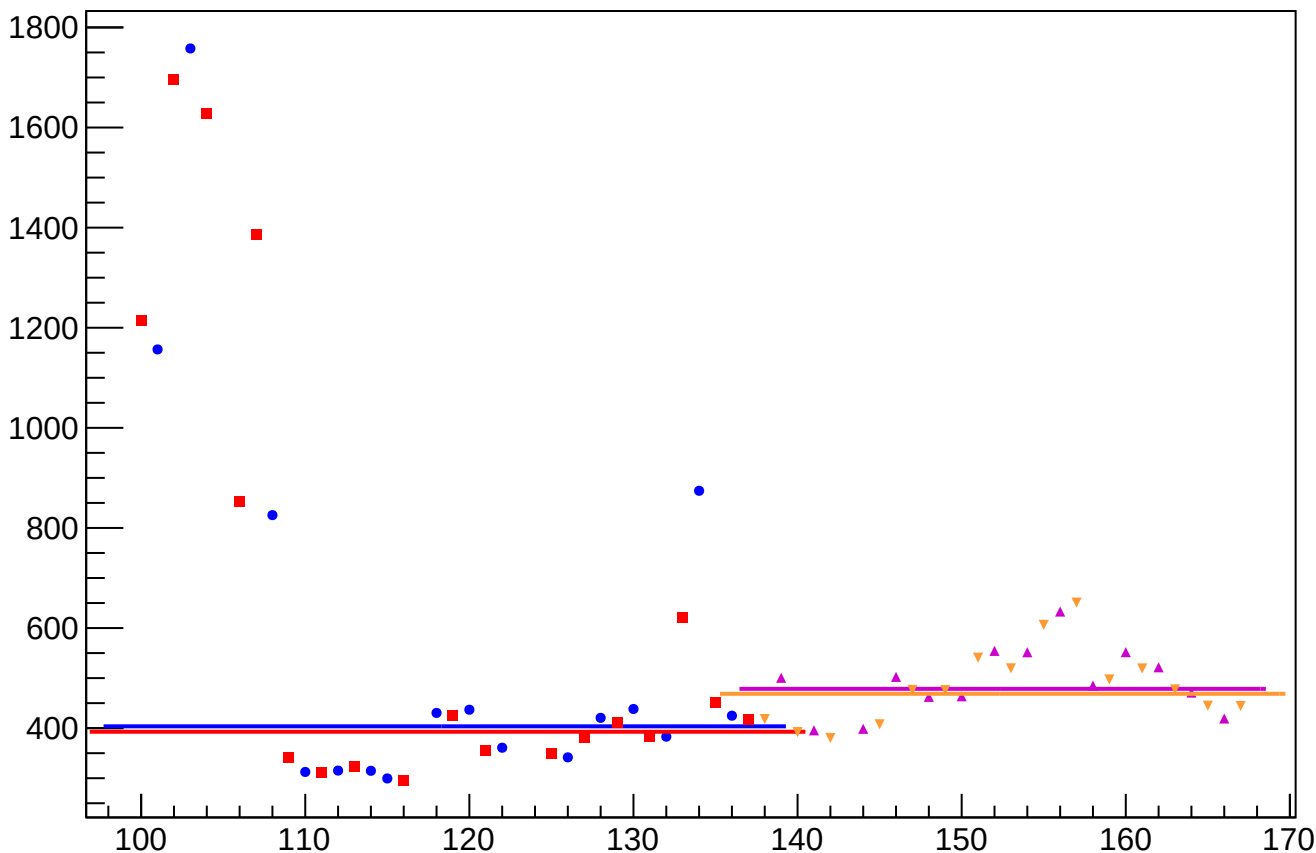
Left In: 87.692 $\pm$ 142.337 χ^2/NDF : 17.6/13

+ sign -307.308 $\pm$ 105.146 χ^2/NDF : 50.1/30

All: -192.243 $\pm$ 74.650 χ^2/NDF : 88.1/62

- sign -75.302 $\pm$ 106.000 χ^2/NDF : 35.6/31

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: 468.662+/-0.098 χ^2/NDF : 458608.2/14

+ sign 441.225+/-0.074 χ^2/NDF : 2574677.2/30

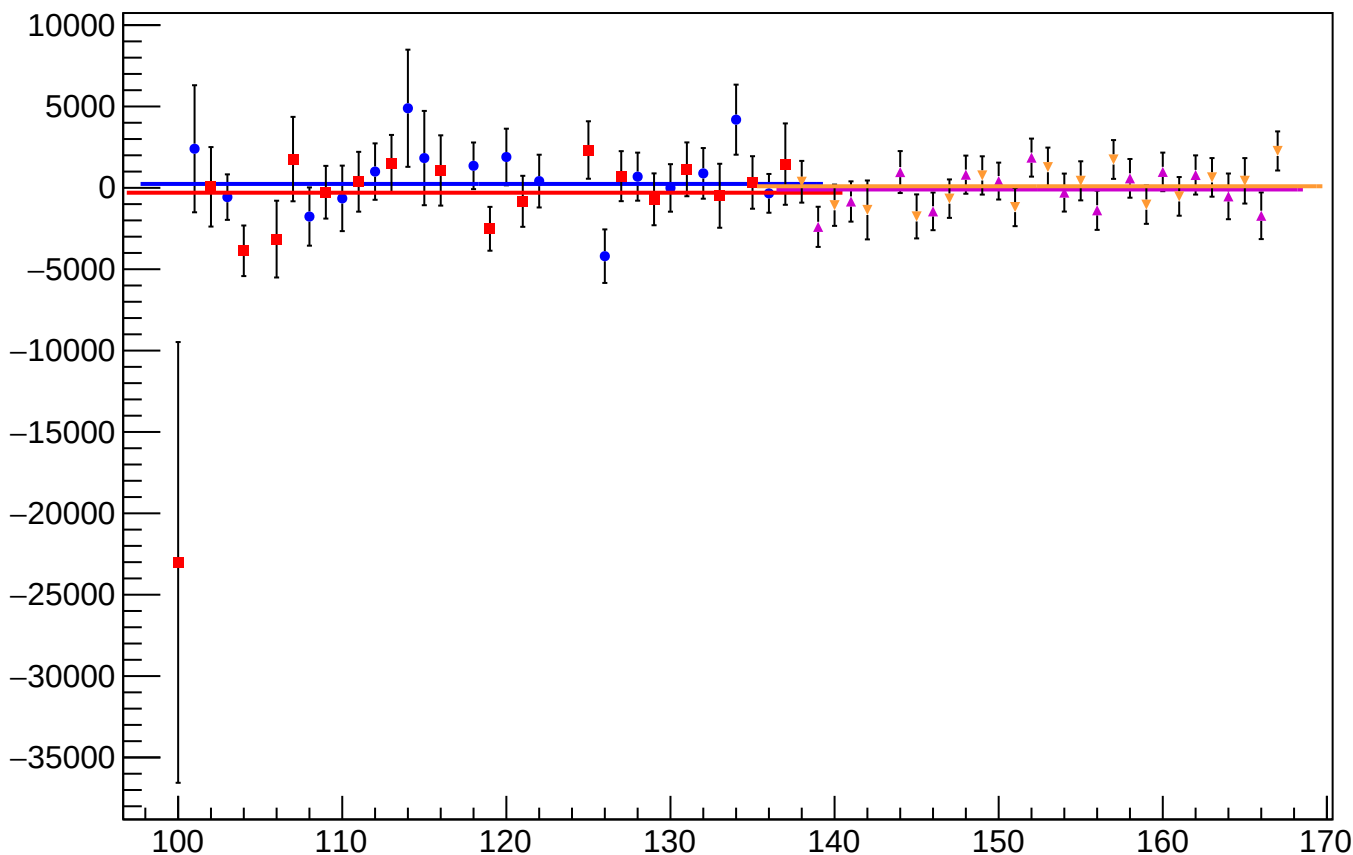
Right Out: 392.820+/-0.112 χ^2/NDF : 2203456.1/17

All: 440.798+/-0.053 χ^2/NDF : 5485058.7/62

- sign 440.365+/-0.075 χ^2/NDF : 2910315.1/31

Left In: 478.549+/-0.101 χ^2/NDF : 383712.6/13

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: 98.018 $\pm$ 321.453 χ^2 /NDF:13.0/14

Right Out: -298.922 $\pm$ 430.767 χ^2 /NDF: 18.7/17

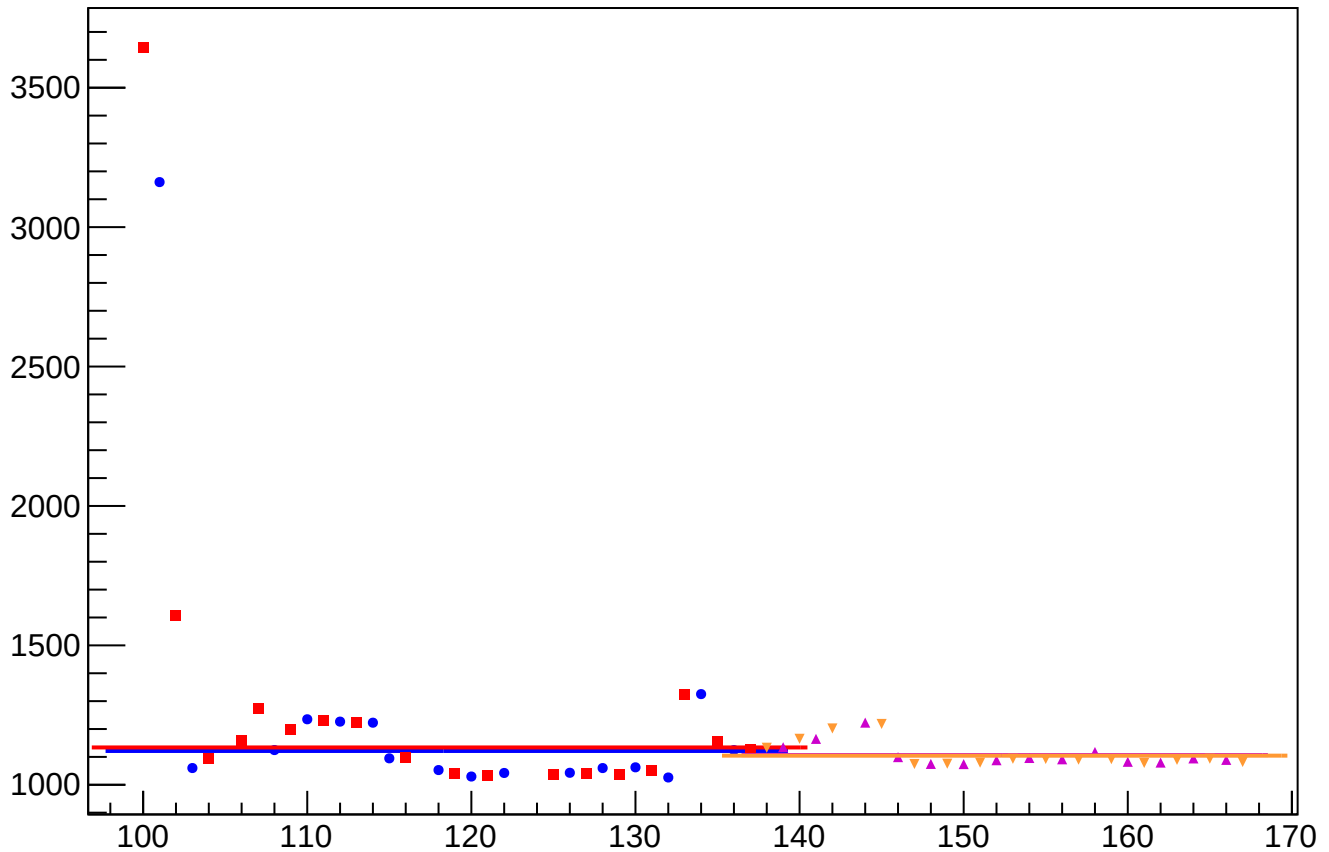
Left In: -100.299 $\pm$ 325.826 χ^2 /NDF:13.7/13

+ sign 149.740 $\pm$ 256.726 χ^2 /NDF: 30.0/30

All: -9.464 $\pm$ 182.631 χ^2 /NDF: 63.3/62

- sign -172.581 $\pm$ 259.862 χ^2 /NDF: 32.5/31

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294 $\pm$ 0.302 χ^2 /NDF: 617028.4/15

Left Out: 1104.511 $\pm$ 0.227 χ^2 /NDF: 31892.6/14

+ sign 1110.589 $\pm$ 0.182 χ^2 /NDF: 650895.5/30

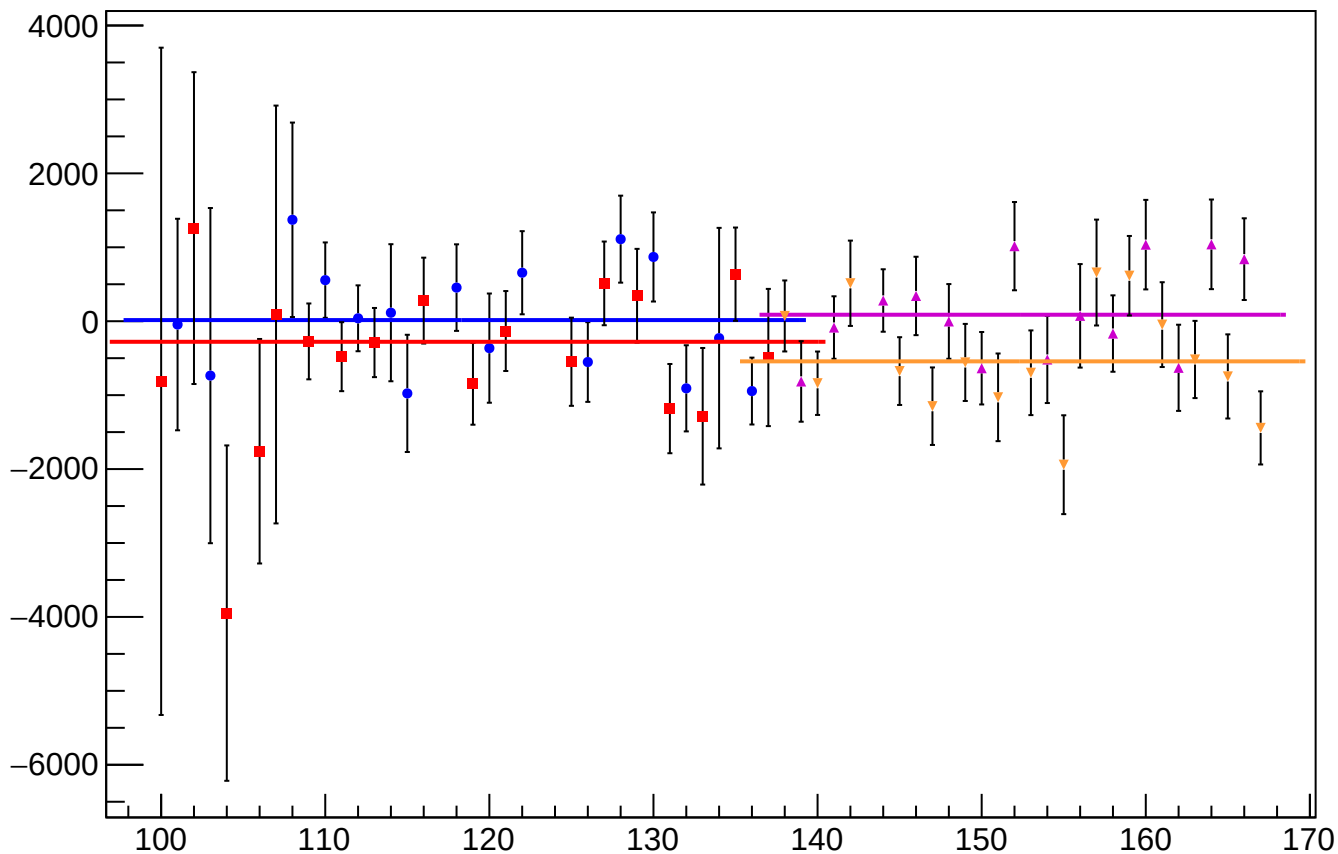
Right Out: 1133.929 $\pm$ 0.305 χ^2 /NDF: 227457.1/17

All: 1113.497 $\pm$ 0.129 χ^2 /NDF: 912353.0/62

Left In: 1106.493 $\pm$ 0.230 χ^2 /NDF: 28319.8/13

- sign 1116.477 $\pm$ 0.184 χ^2 /NDF: 260937.8/31

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: -542.911 $\pm$ 138.311 χ^2/NDF : 23.6/14

Right Out: -278.249 $\pm$ 158.826 χ^2/NDF : 15.1/17

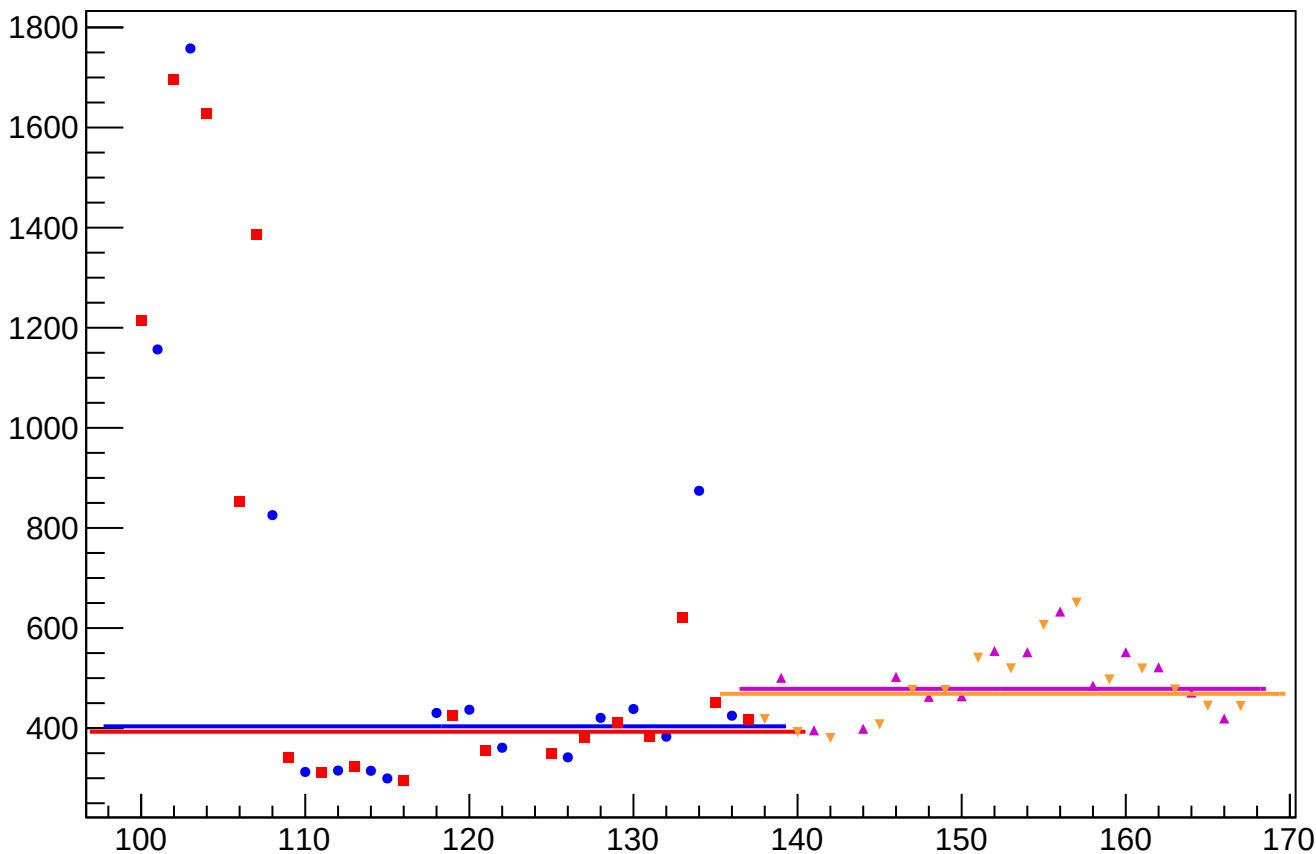
Left In: 87.692 $\pm$ 142.337 χ^2/NDF : 17.6/13

+ sign -307.309 $\pm$ 105.146 χ^2/NDF : 50.1/30

All: -192.244 $\pm$ 74.649 χ^2/NDF : 88.1/62

- sign -75.303 $\pm$ 106.000 χ^2/NDF : 35.6/31

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: 468.662+/-0.098 χ^2/NDF : 458631.4/14

Right Out: 392.817+/-0.112 χ^2/NDF : 2203462.7/17

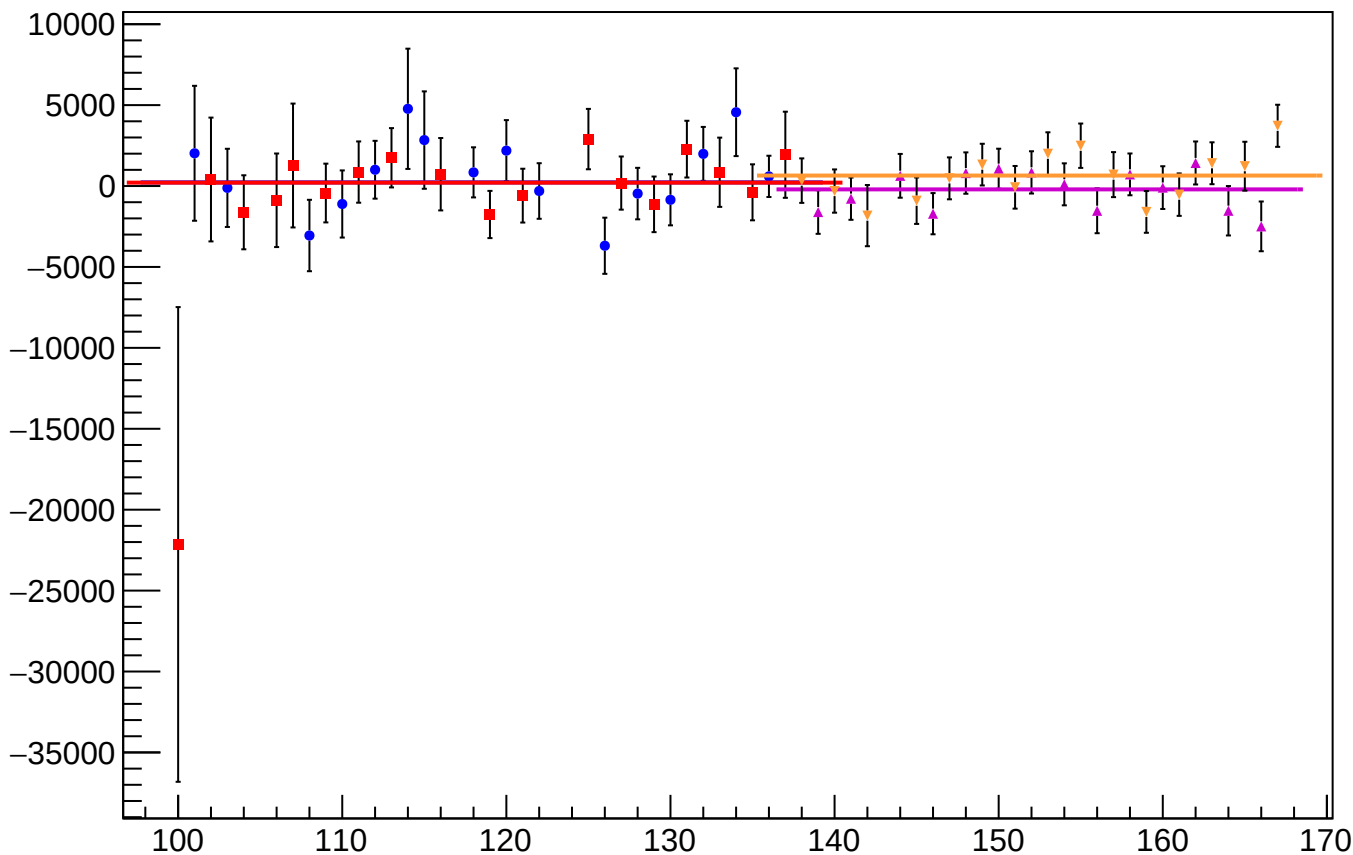
Left In: 478.550+/-0.101 χ^2/NDF : 383723.8/13

+ sign 441.223+/-0.074 χ^2/NDF : 2574715.8/30

All: 440.797+/-0.053 χ^2/NDF : 5485148.6/62

- sign 440.363+/-0.075 χ^2/NDF : 2910366.5/31

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817 $\pm$ 474.559 χ^2 /NDF: 16.1/15

Left Out: 647.881 $\pm$ 352.300 χ^2 /NDF:16.8/14

Right Out: 209.751 $\pm$ 477.820 χ^2 /NDF: 11.0/17

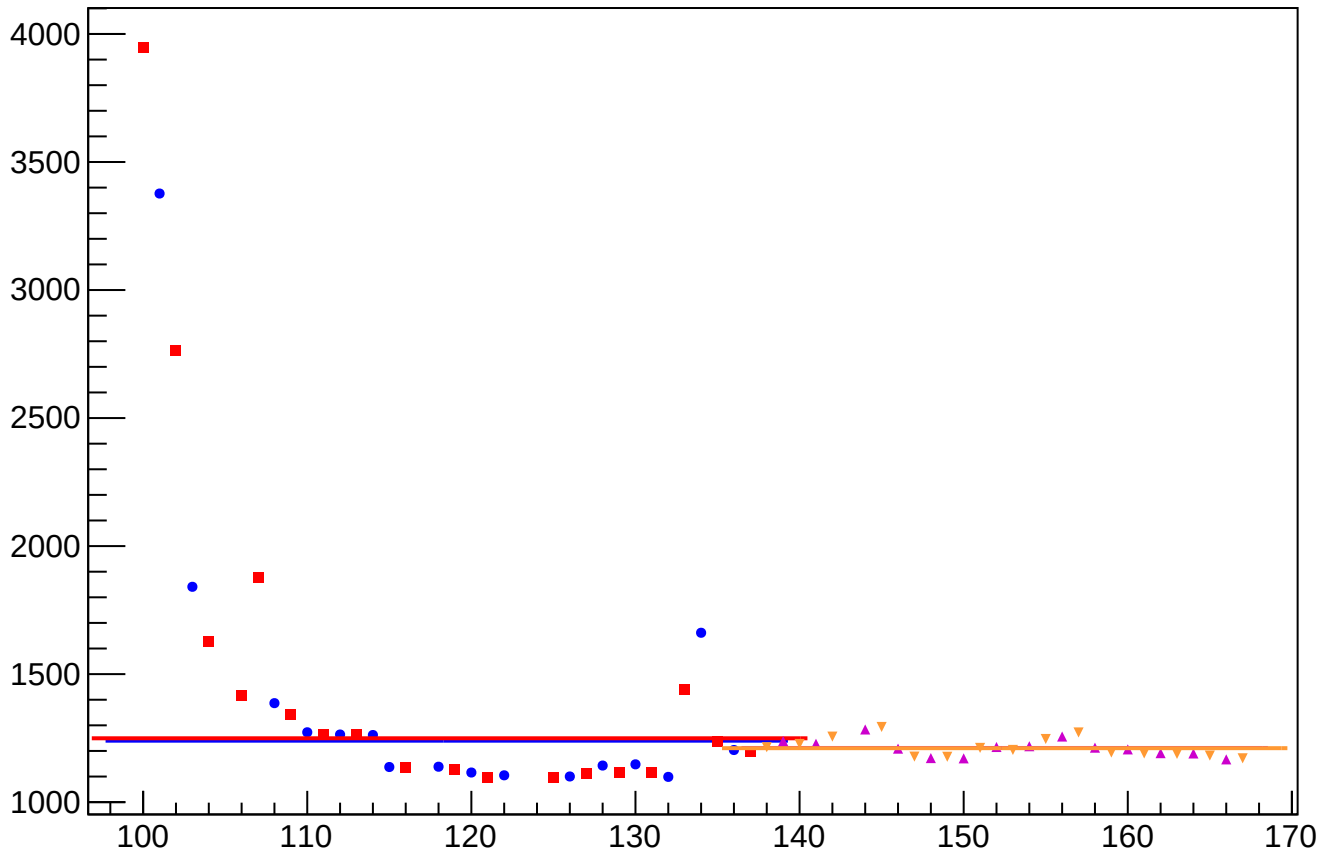
Left In: -207.311 $\pm$ 356.677 χ^2 /NDF:11.3/13

+ sign 497.565 $\pm$ 282.872 χ^2 /NDF: 33.5/30

All: 222.631 $\pm$ 201.057 χ^2 /NDF: 58.2/62

- sign -58.075 $\pm$ 285.826 χ^2 /NDF: 22.8/31

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140 $\pm$ 0.336 χ^2 /NDF: 782679.7/15

Left Out: 1210.798 $\pm$ 0.249 χ^2 /NDF: 20108.0/14

Right Out: 1249.410 $\pm$ 0.338 χ^2 /NDF: 606099.2/17

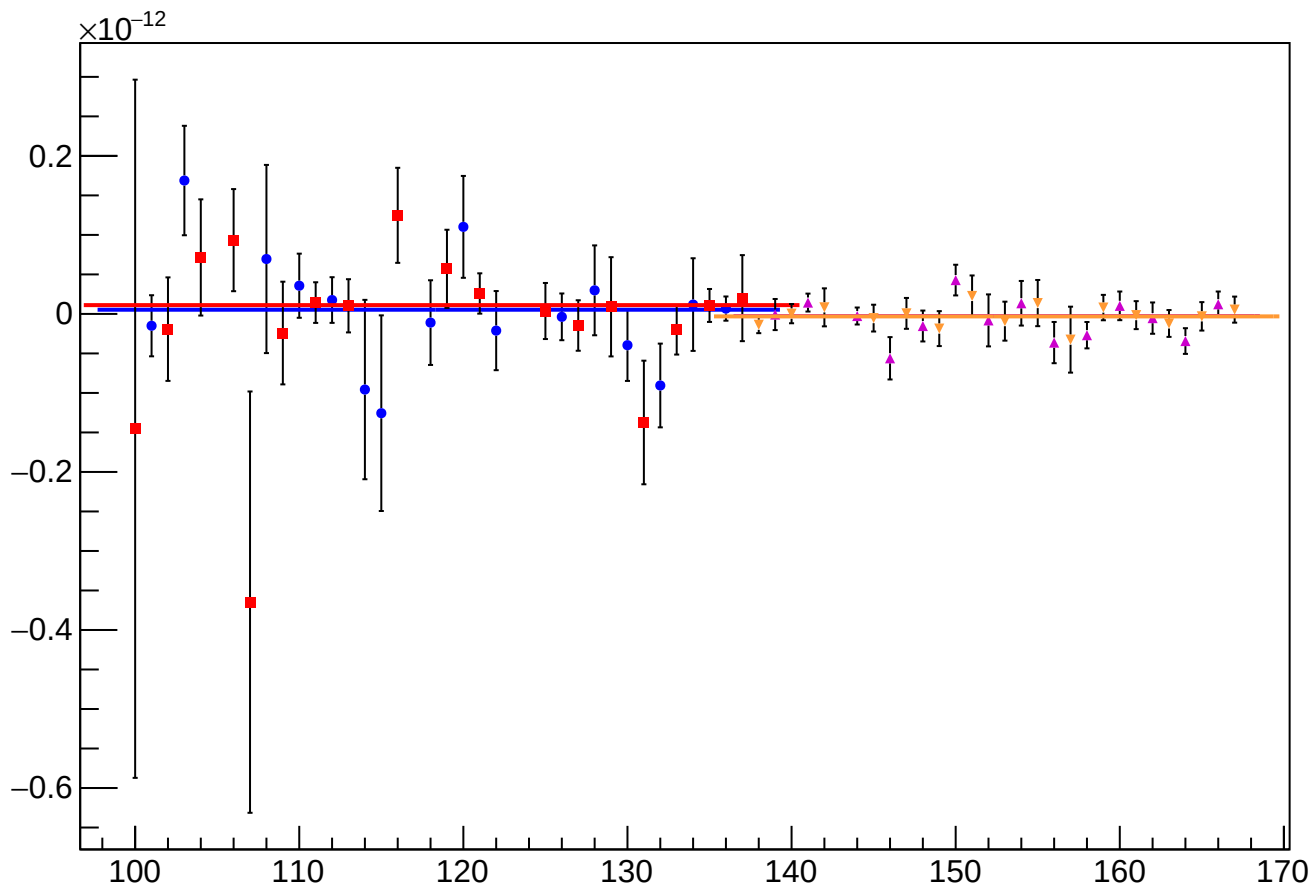
Left In: 1211.548 $\pm$ 0.252 χ^2 /NDF: 15634.1/13

+ sign 1221.223 $\pm$ 0.200 χ^2 /NDF: 807716.9/30

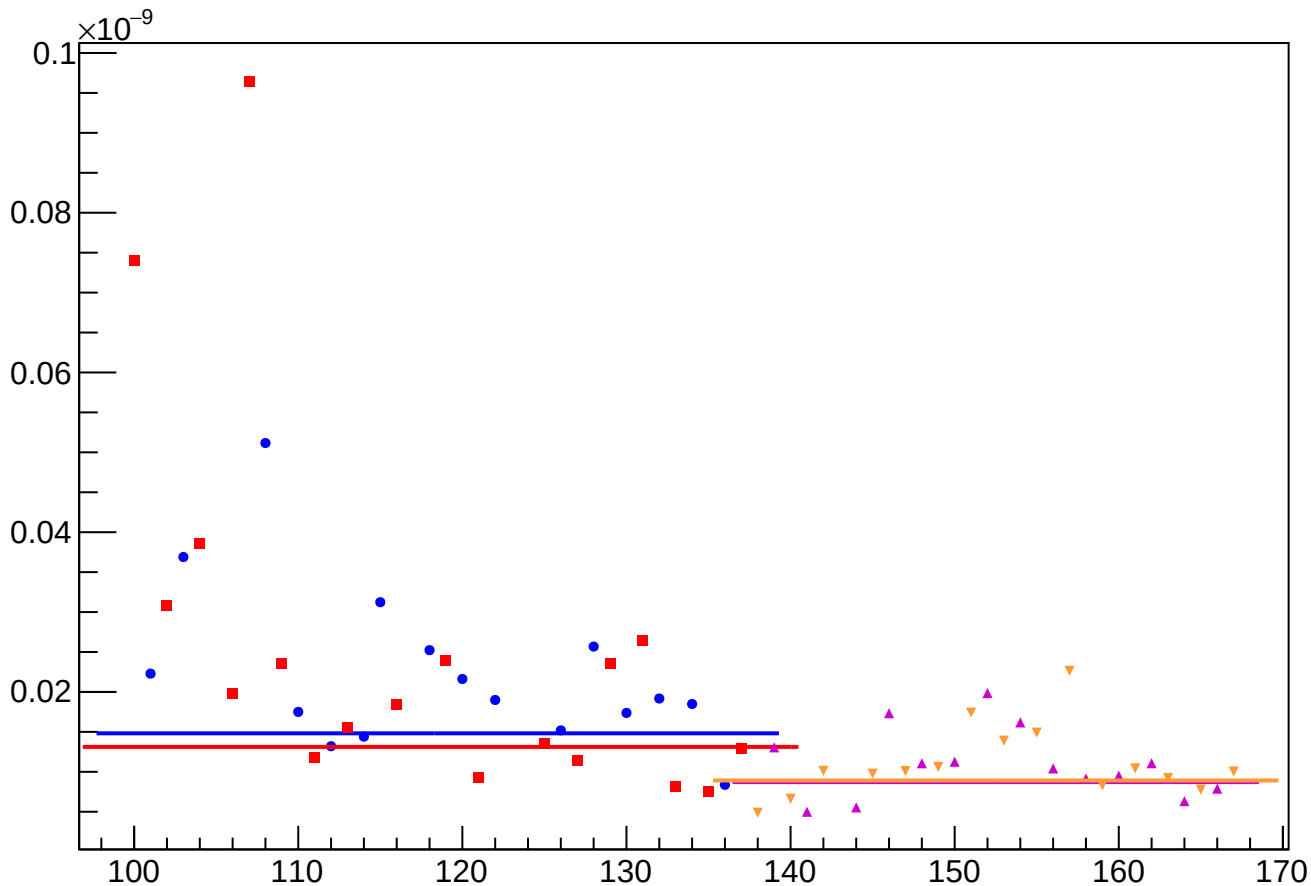
All: 1223.139 $\pm$ 0.142 χ^2 /NDF: 1437700.3/62

- sign 1225.096 $\pm$ 0.202 χ^2 /NDF: 629797.9/31

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



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 : 1019750.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 1181949.6/17

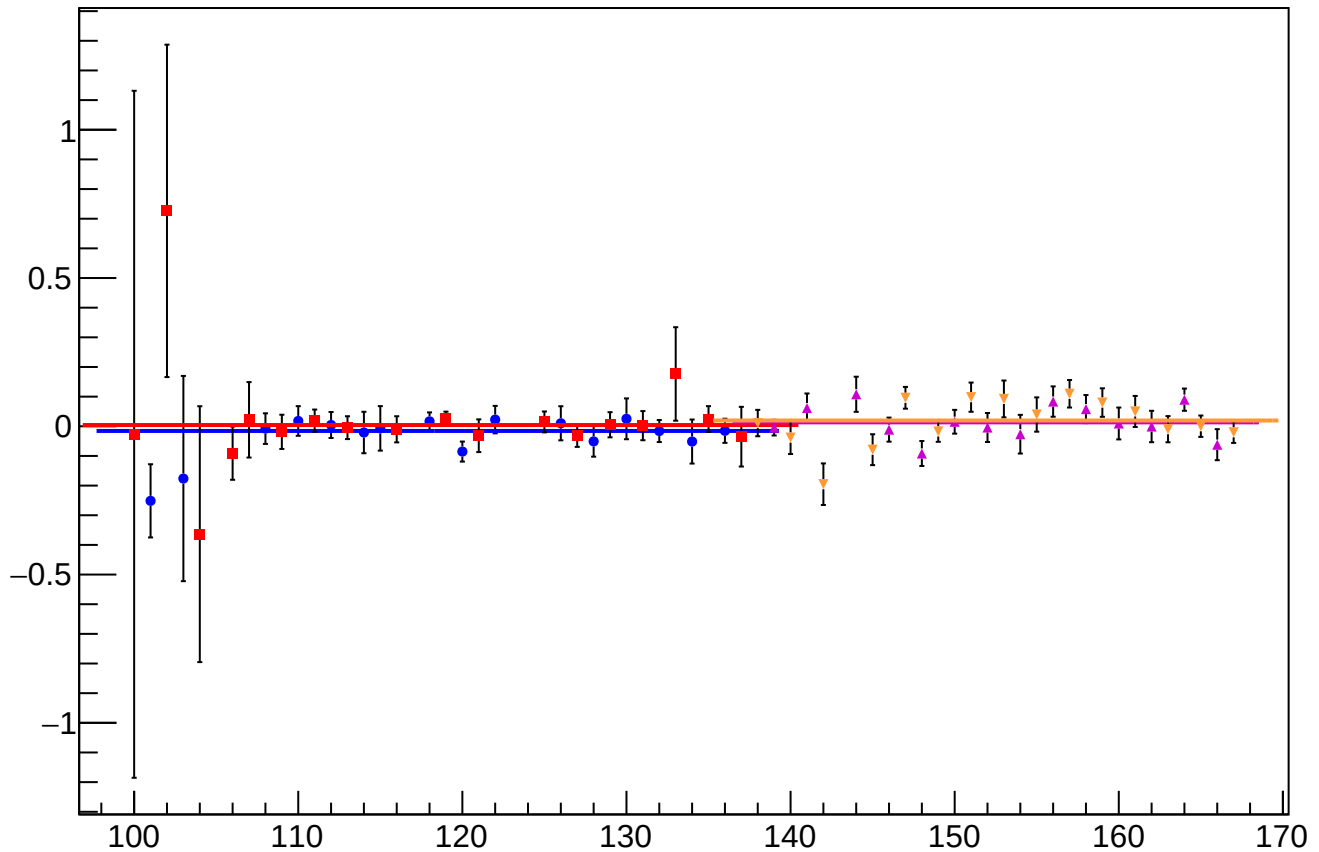
Left In: 0.000+/-0.000 χ^2/NDF : 1216860.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 2711163.9/30

All: 0.000+/-0.000 χ^2/NDF : 5474823.0/62

- sign 0.000+/-0.000 χ^2/NDF : 2753560.7/31

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: 0.020 ± 0.012 χ^2/NDF : 31.2/14

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

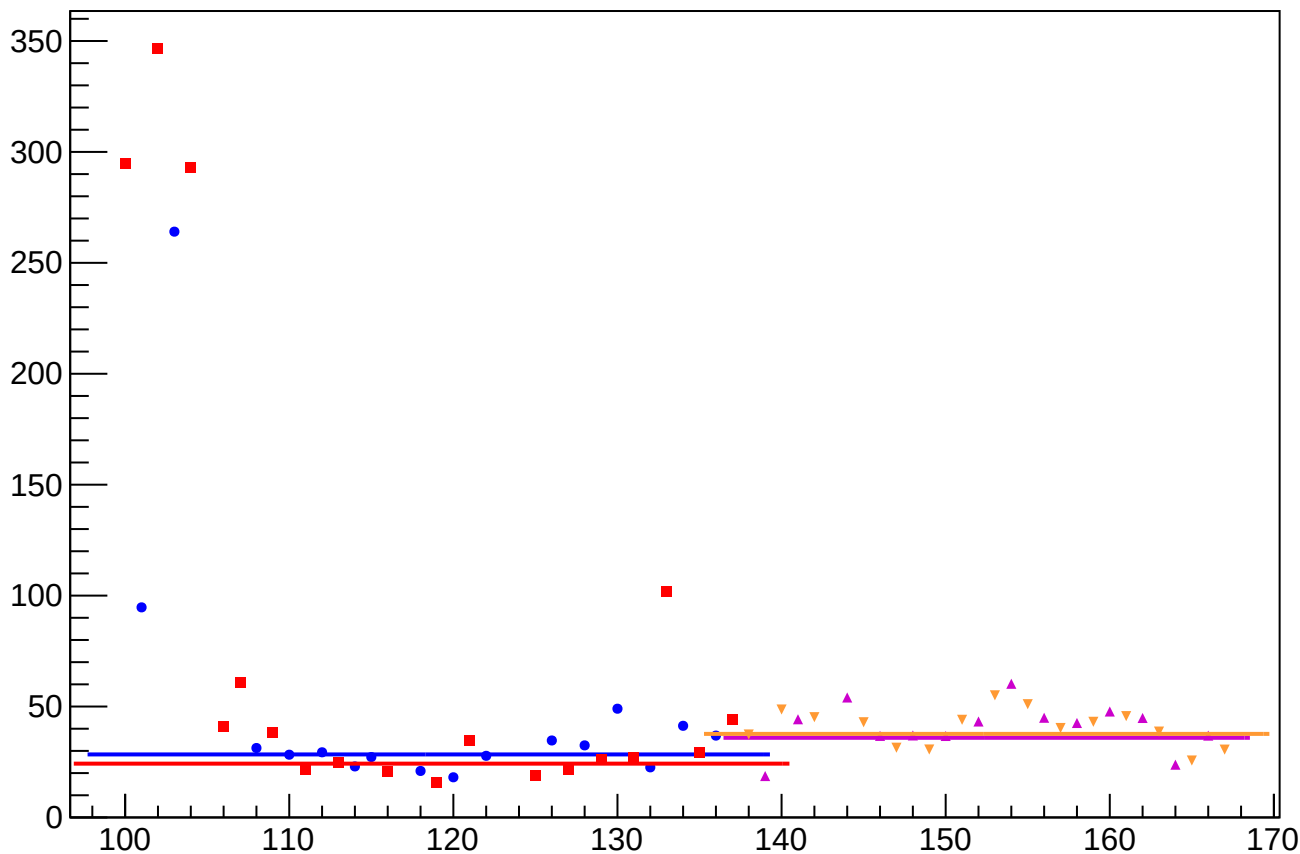
Left In: 0.013 ± 0.012 χ^2/NDF : 20.2/13

+ sign 0.003 ± 0.008 χ^2/NDF : 47.4/30

All: 0.006 ± 0.006 χ^2/NDF : 76.0/62

- sign 0.009 ± 0.008 χ^2/NDF : 28.3/31

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF : 2245642.8/15

Left Out: 37.669+/-0.008 χ^2/NDF : 935829.4/14

Right Out: 24.255+/-0.008 χ^2/NDF : 2913469.3/17

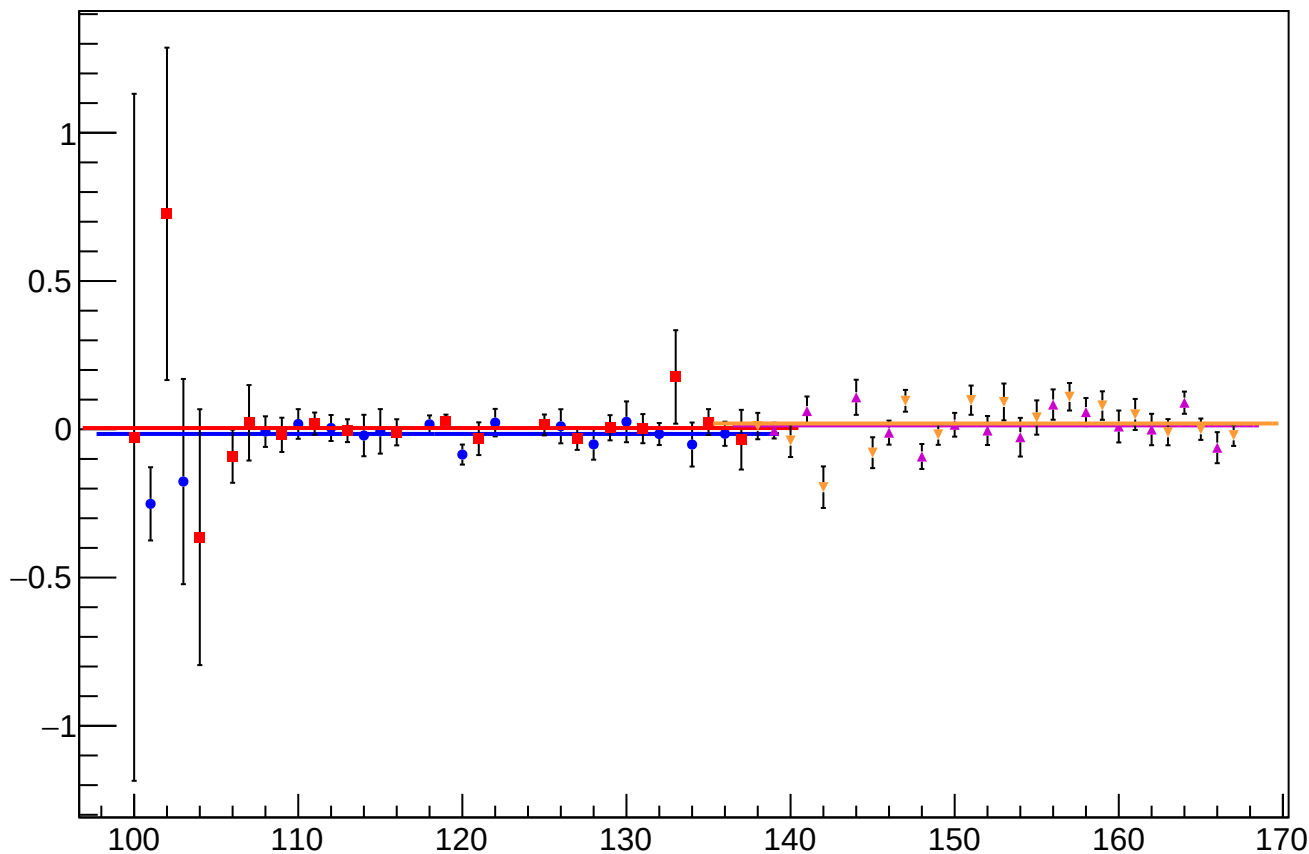
Left In: 35.909+/-0.008 χ^2/NDF : 1886576.7/13

+ sign 33.254+/-0.006 χ^2/NDF : 3773496.9/30

All: 31.520+/-0.004 χ^2/NDF : 9740352.5/62

- sign 29.901+/-0.006 χ^2/NDF : 5805915.3/31

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: 0.020 ± 0.012 χ^2/NDF : 31.2/14

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

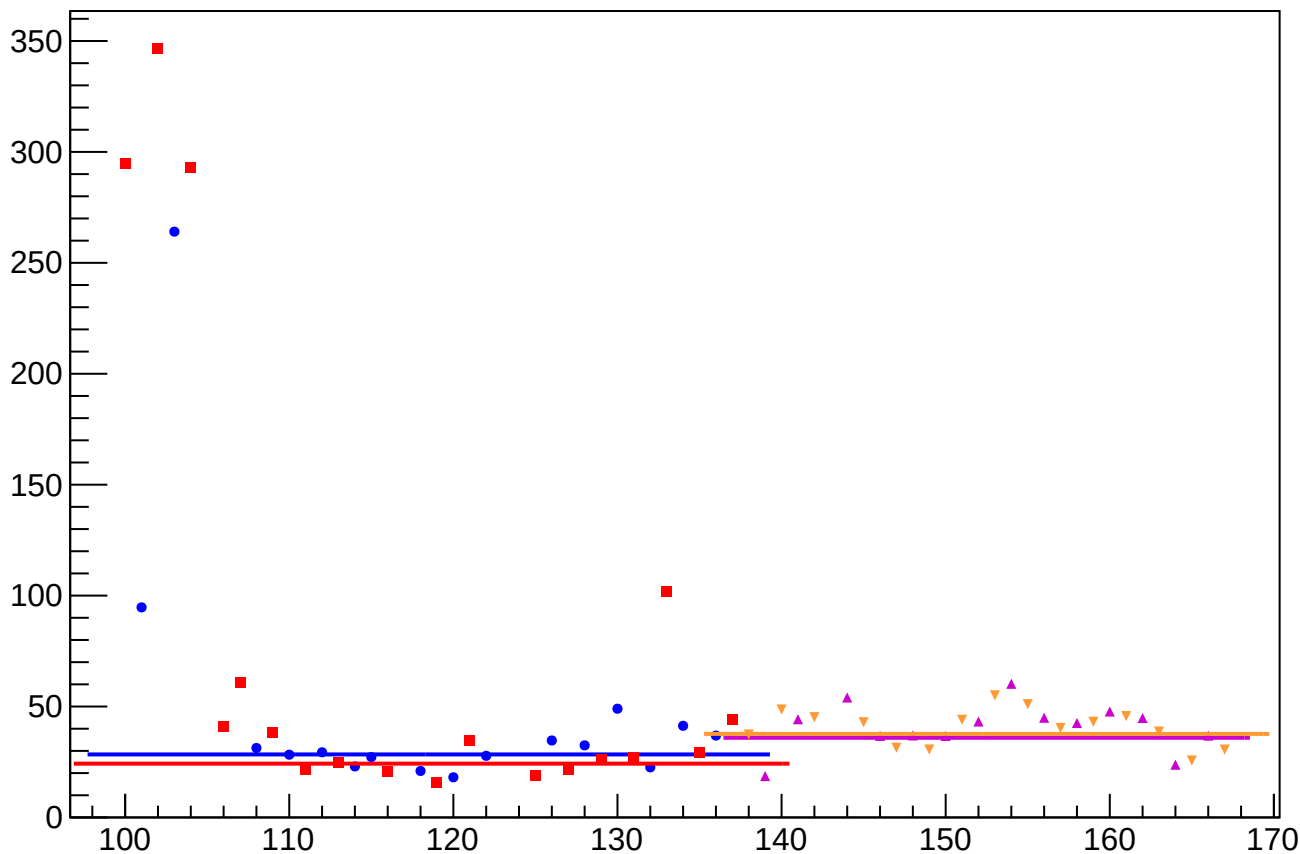
Left In: 0.013 ± 0.012 χ^2/NDF : 20.2/13

+ sign 0.003 ± 0.008 χ^2/NDF : 47.4/30

All: 0.006 ± 0.006 χ^2/NDF : 76.0/62

- sign 0.009 ± 0.008 χ^2/NDF : 28.3/31

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: 37.669+/-0.008 χ^2/NDF : 935829.4/14

Right Out: 24.255+/-0.008 χ^2/NDF : 2913469.3/17

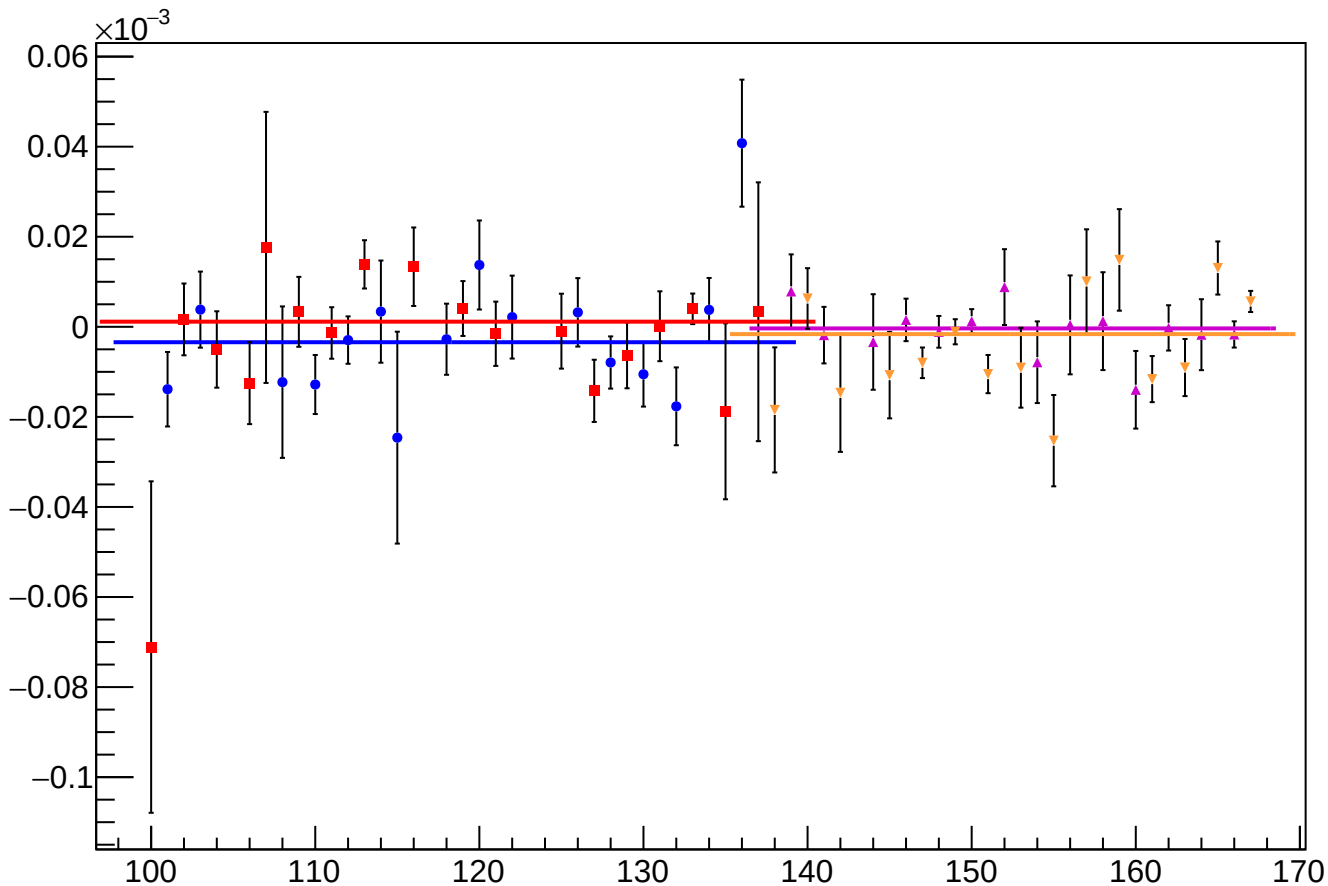
Left In: 35.909+/-0.008 χ^2/NDF : 1886576.7/13

+ sign 33.254+/-0.006 χ^2/NDF : 3773496.9/30

All: 31.520+/-0.004 χ^2/NDF : 9740352.5/62

- sign 29.901+/-0.006 χ^2/NDF : 5805915.3/31

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF : 42.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 23.0/17

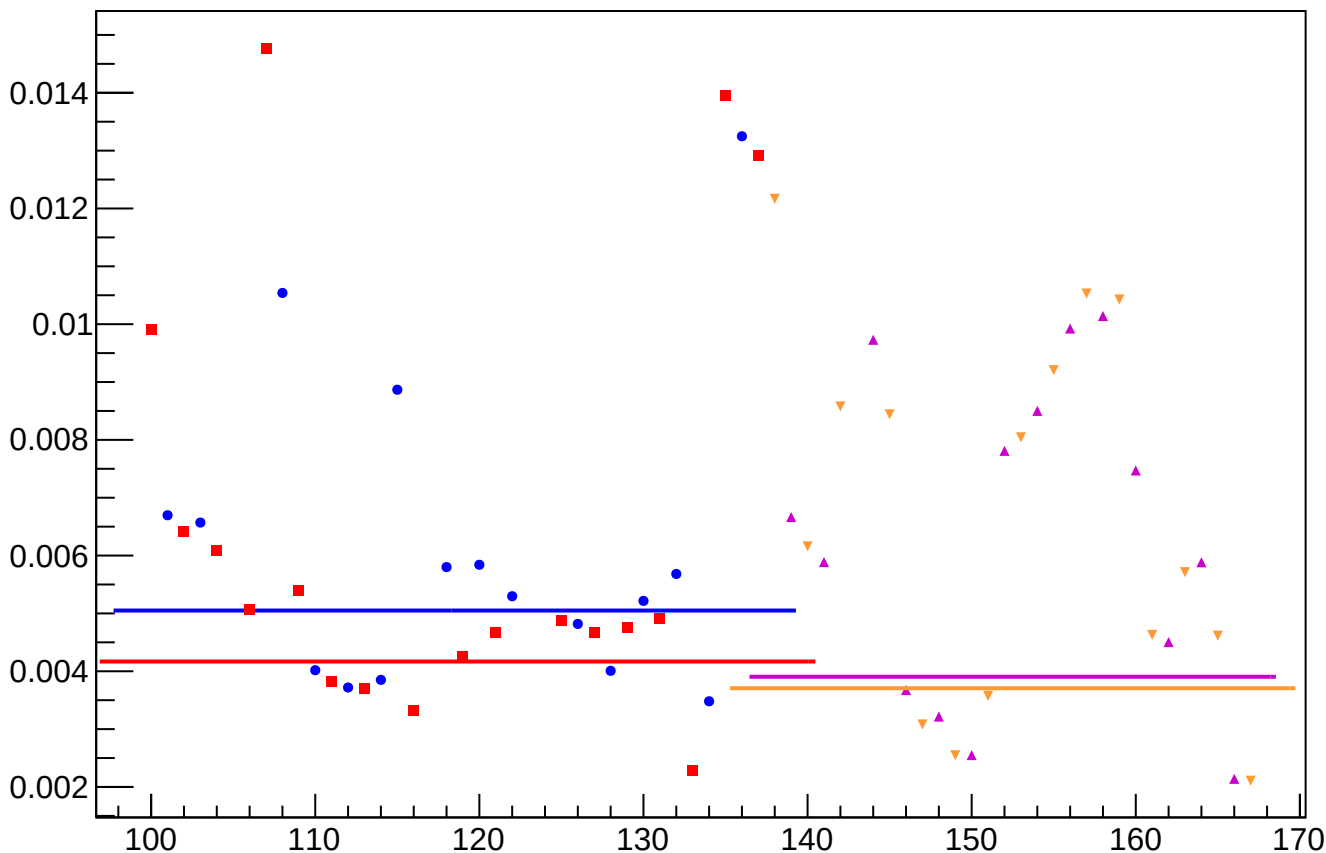
Left In: -0.000+/-0.000 χ^2/NDF : 6.3/13

+ sign -0.000+/-0.000 χ^2/NDF : 68.6/30

All: -0.000+/-0.000 χ^2/NDF : 100.8/62

- sign 0.000+/-0.000 χ^2/NDF : 29.8/31

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1494215.1/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 5896203.5/14

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2041975.6/17

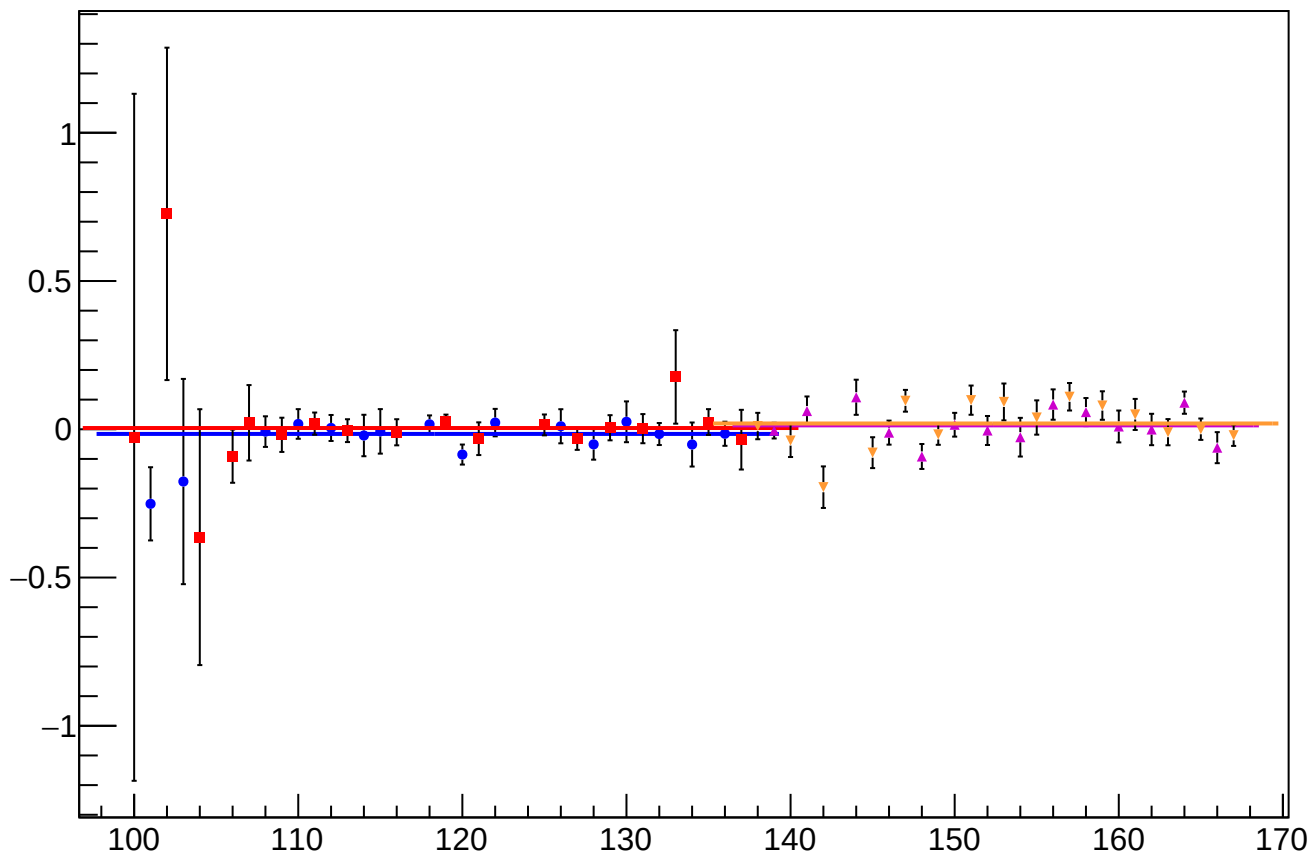
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5050127.2/13

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 8024198.7/30

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 15150688.8/62

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7121479.7/31

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: 0.020 ± 0.012 χ^2/NDF : 31.2/14

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

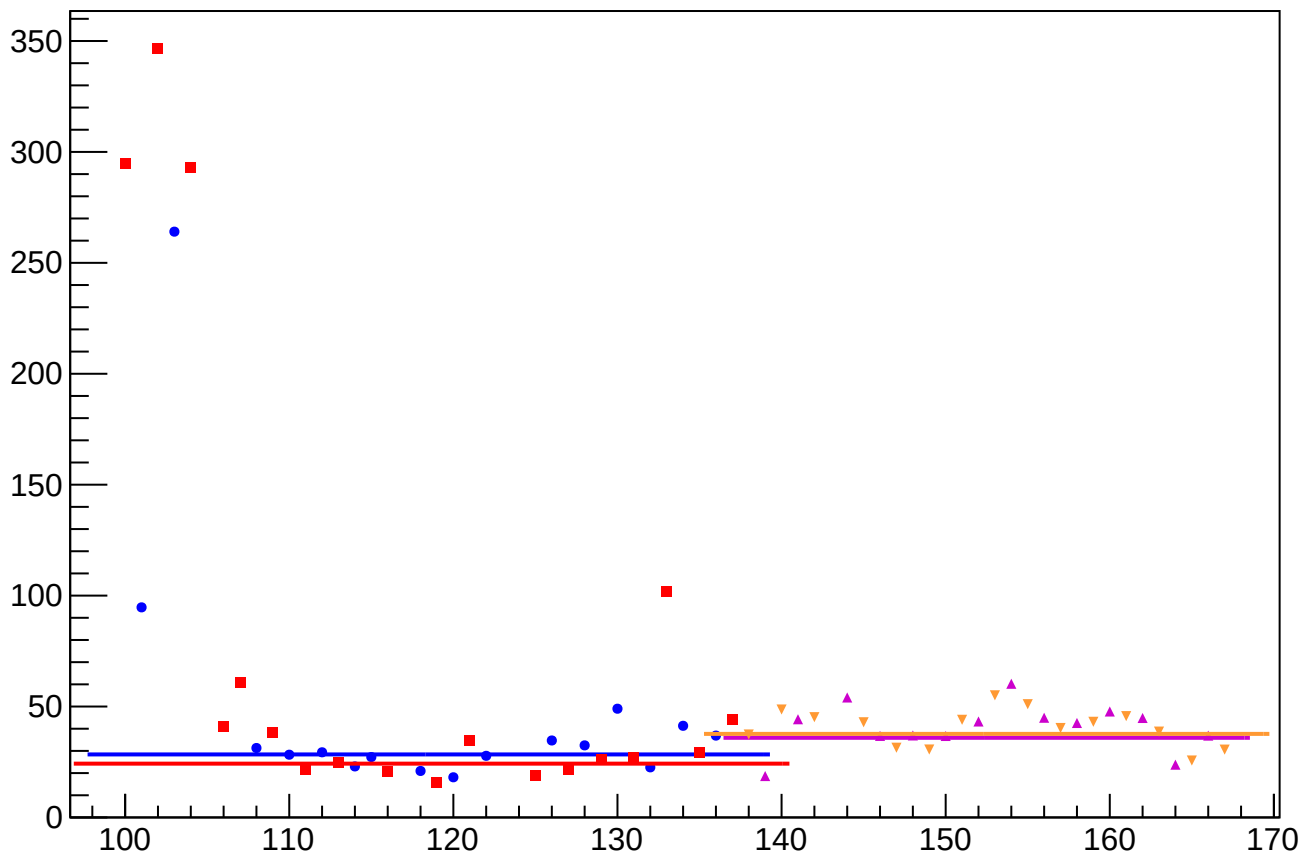
Left In: 0.013 ± 0.012 χ^2/NDF : 20.2/13

+ sign 0.003 ± 0.008 χ^2/NDF : 47.4/30

All: 0.006 ± 0.006 χ^2/NDF : 75.9/62

- sign 0.009 ± 0.008 χ^2/NDF : 28.3/31

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: 37.669+/-0.008 χ^2/NDF : 935992.2/14

Right Out: 24.254+/-0.008 χ^2/NDF : 2913710.0/17

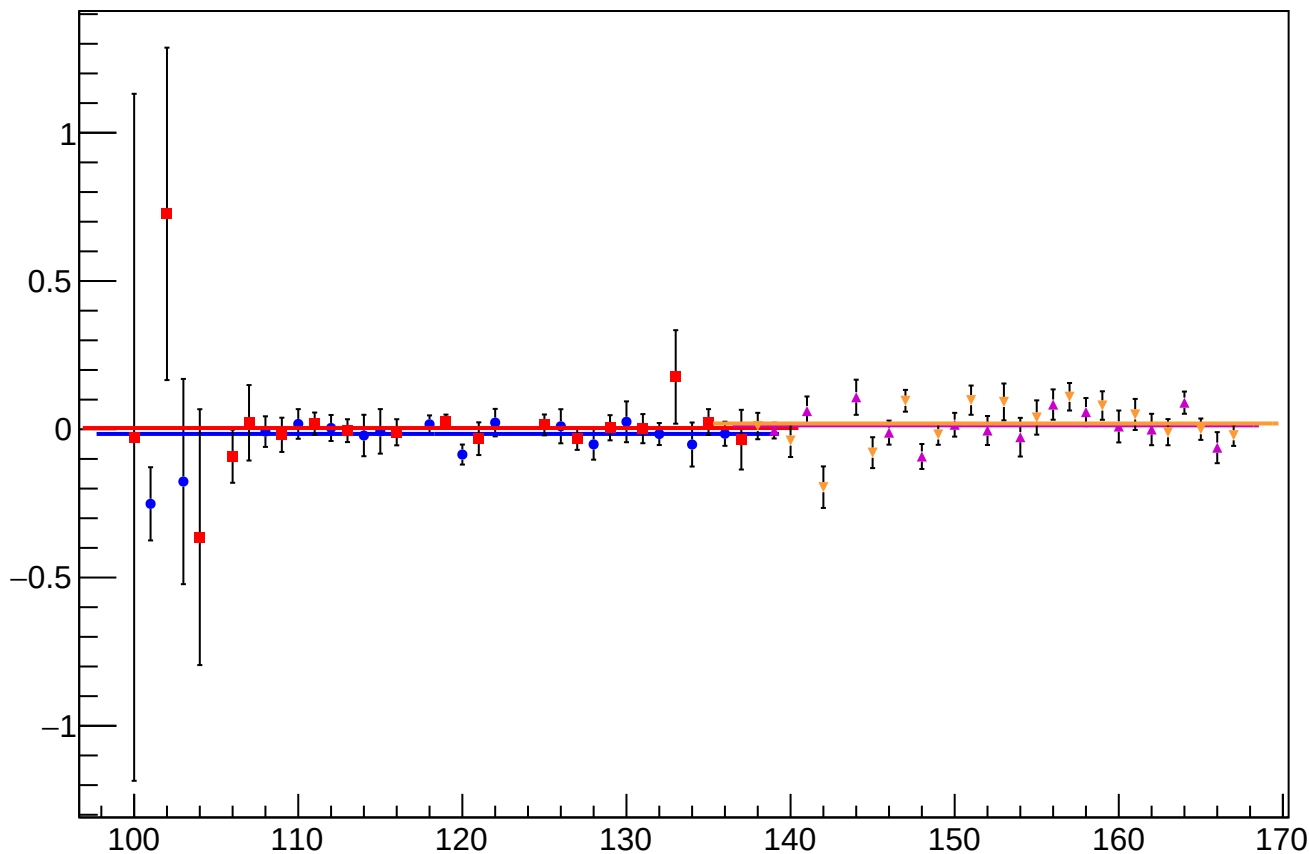
Left In: 35.909+/-0.008 χ^2/NDF : 1887017.6/13

+ sign 33.254+/-0.006 χ^2/NDF : 3773645.0/30

All: 31.519+/-0.004 χ^2/NDF : 9741542.1/62

- sign 29.900+/-0.006 χ^2/NDF : 5806851.9/31

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 $\chi^2/\text{NDF}: 11.9/15$

Left Out: 0.020 ± 0.012 $\chi^2/\text{NDF}: 31.2/14$

Right Out: 0.004 ± 0.011 $\chi^2/\text{NDF}: 7.9/17$

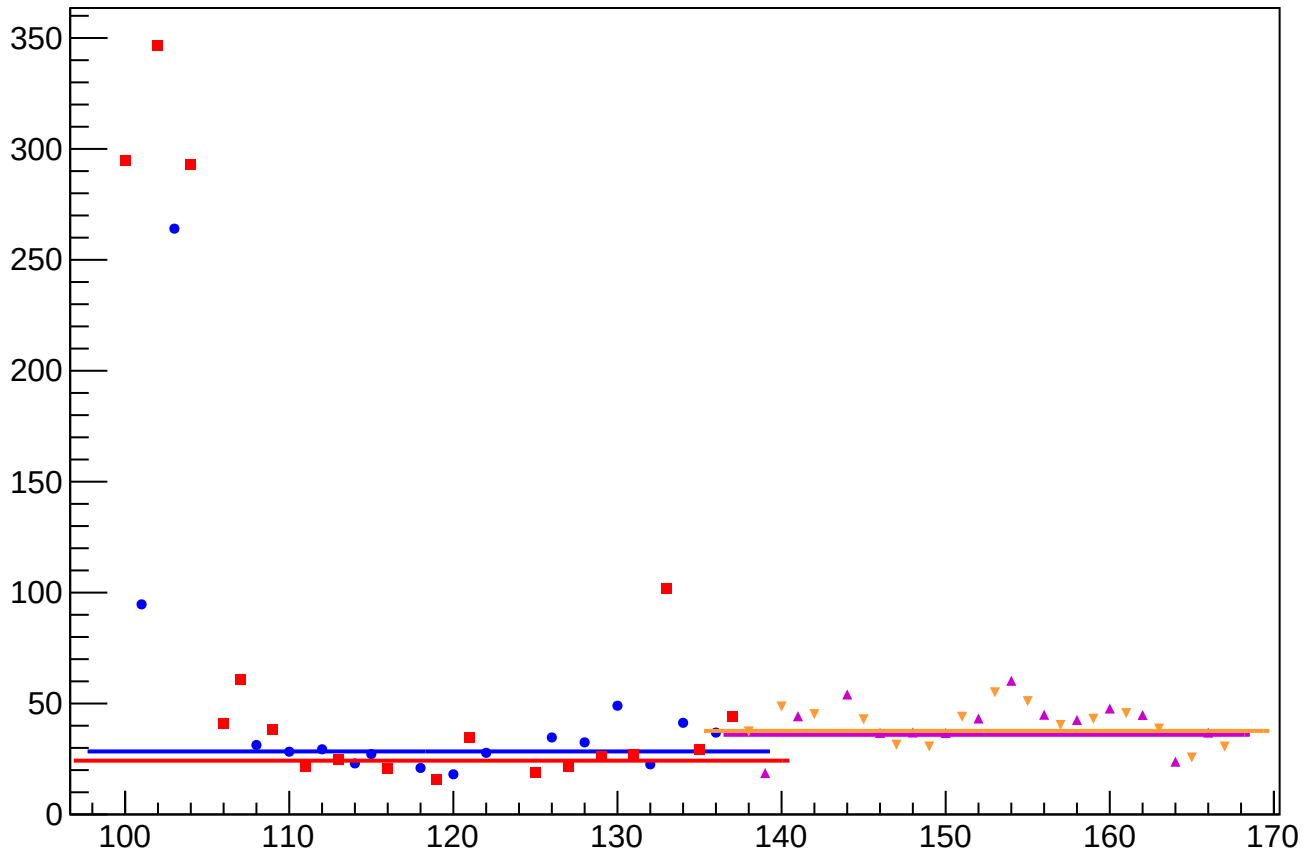
Left In: 0.013 ± 0.012 $\chi^2/\text{NDF}: 20.2/13$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 47.4/30$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 75.9/62$

- sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 28.3/31$

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: 37.669 $\pm$ 0.008 χ^2 /NDF: 935992.2/14

Right Out: 24.254 $\pm$ 0.008 χ^2 /NDF: 2913710.0/17

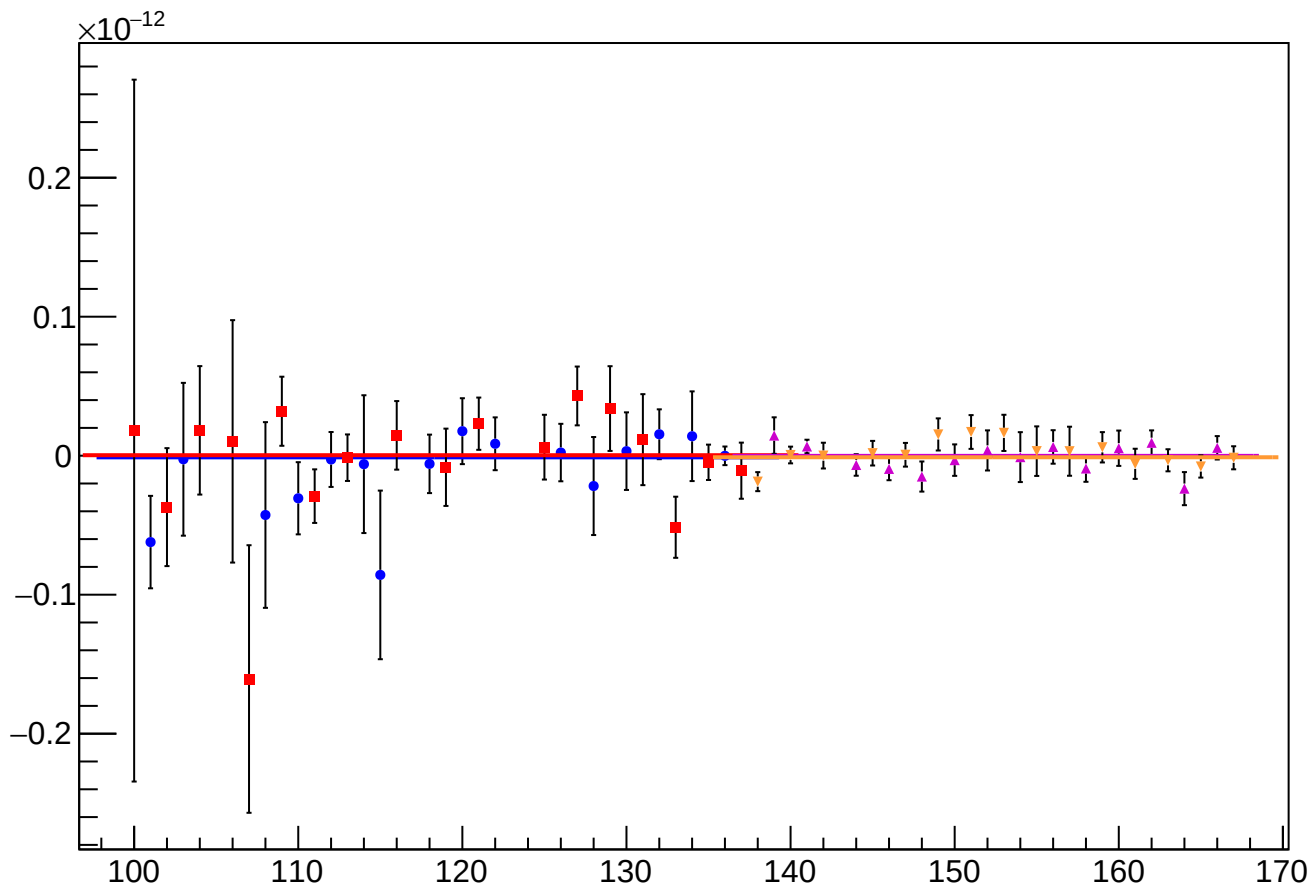
Left In: 35.909 $\pm$ 0.008 χ^2 /NDF: 1887017.6/13

+ sign 33.254 $\pm$ 0.006 χ^2 /NDF: 3773645.0/30

All: 31.519 $\pm$ 0.004 χ^2 /NDF: 9741542.1/62

- sign 29.900 $\pm$ 0.006 χ^2 /NDF: 5806851.9/31

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 : 14.4/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.1/17

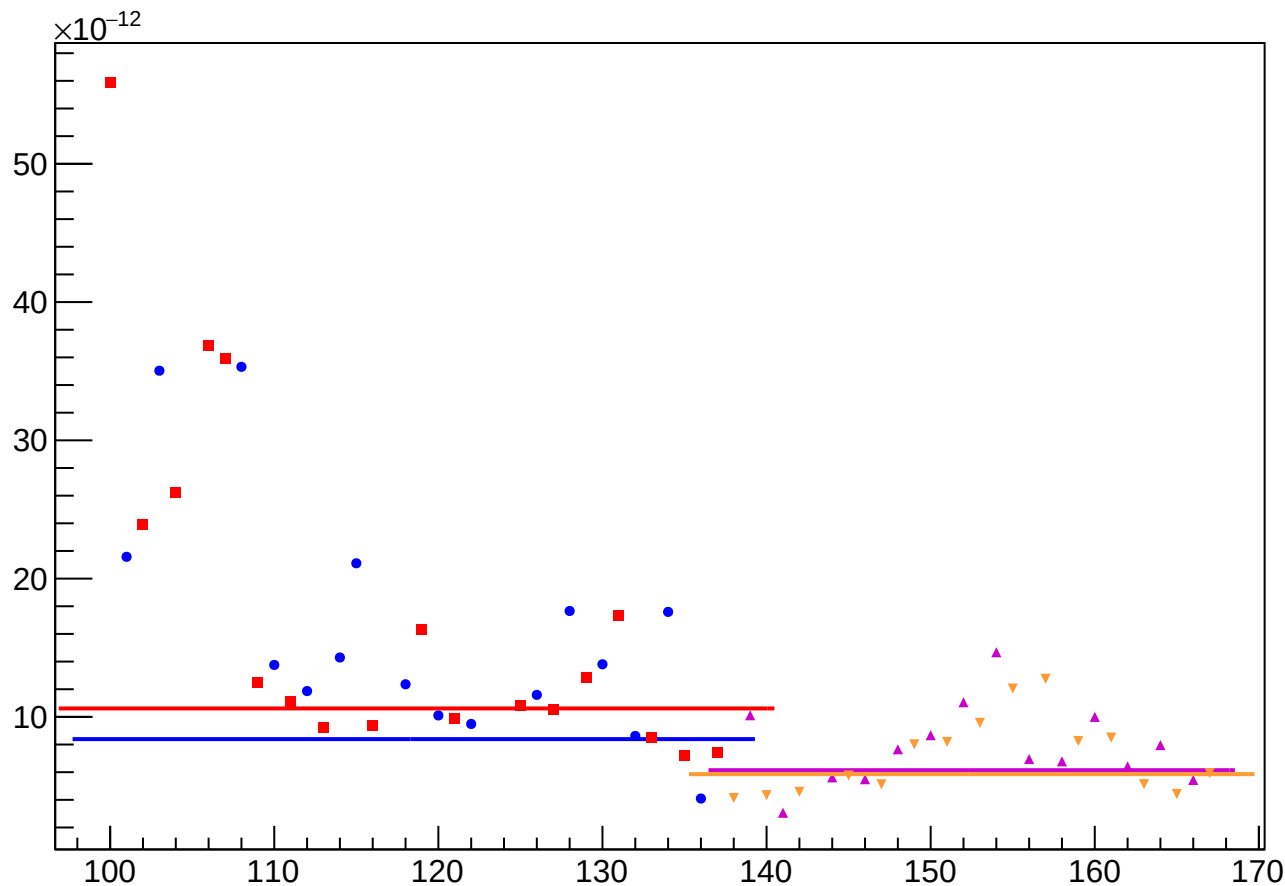
Left In: -0.000 ± 0.000 χ^2/NDF : 14.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 23.8/30

All: -0.000 ± 0.000 χ^2/NDF : 59.2/62

- sign -0.000 ± 0.000 χ^2/NDF : 35.2/31

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1456831.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 1233909.7/17

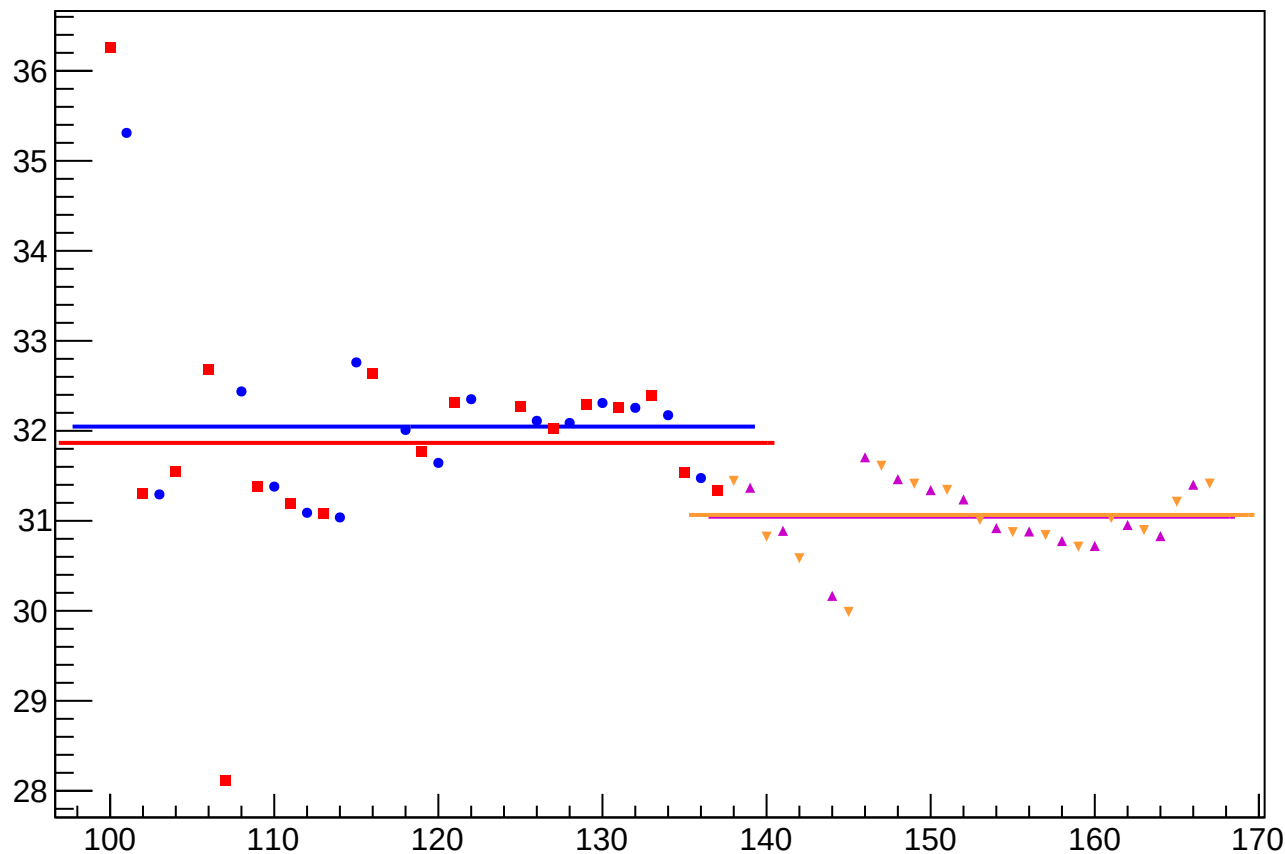
Left In: 0.000+/-0.000 χ^2/NDF : 2092587.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 4617833.7/30

All: 0.000+/-0.000 χ^2/NDF : 9056071.4/62

- sign 0.000+/-0.000 χ^2/NDF : 4383575.3/31

yield_usl_mean vs Slug



Right In: 32.047 $\pm$ 0.000 χ^2 /NDF: 898593424.6/15

Left Out: 31.065 $\pm$ 0.000 χ^2 /NDF: 237994866.9/14

Right Out: 31.866 $\pm$ 0.000 χ^2 /NDF: 485941075.6/17

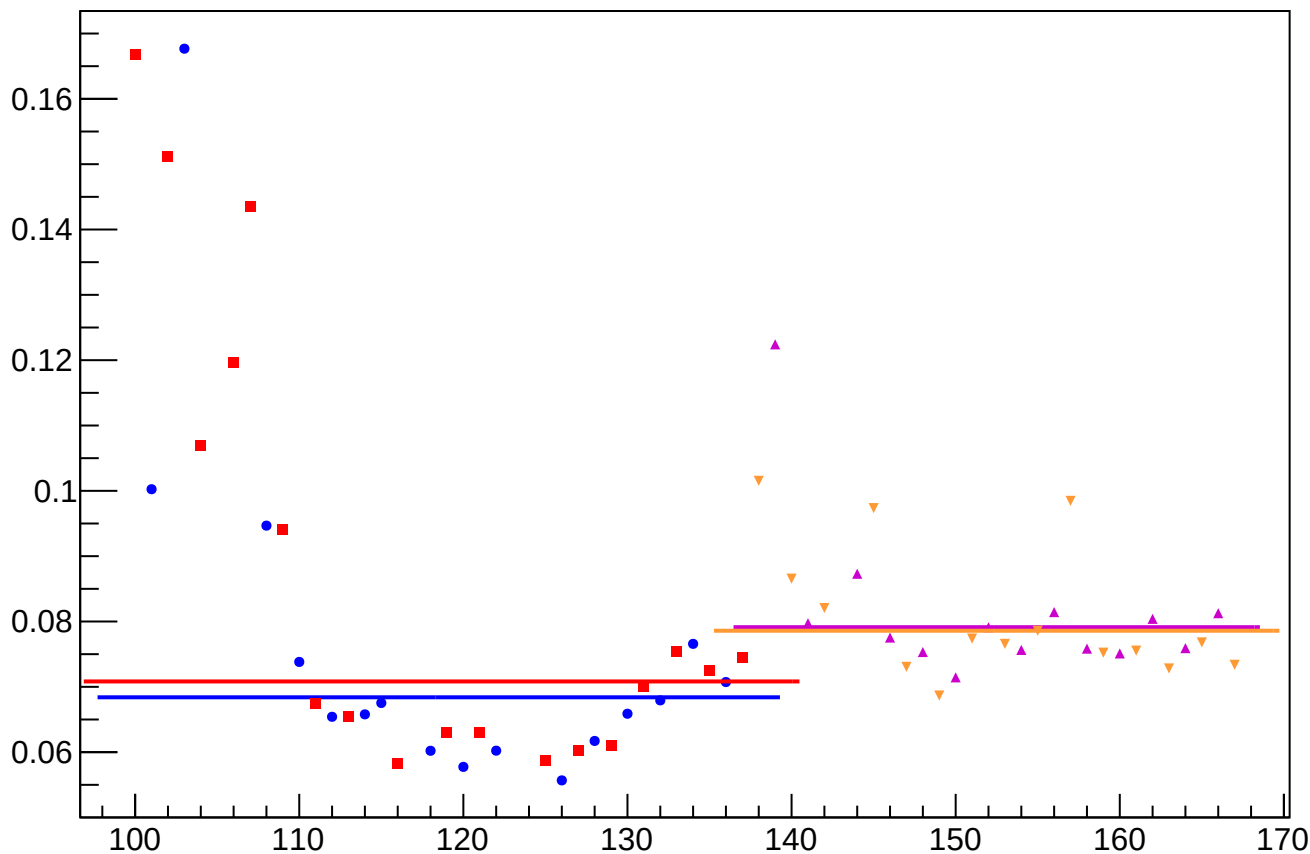
Left In: 31.046 $\pm$ 0.000 χ^2 /NDF: 234296172.0/13

+ sign 31.497 $\pm$ 0.000 χ^2 /NDF: 1859216853.0/30

All: 31.449 $\pm$ 0.000 χ^2 /NDF: 3069456160.6/6

- sign 31.399 $\pm$ 0.000 χ^2 /NDF: 1195992327.9/31

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 703207.9/15

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF: 263759.8/14

Right Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 868237.4/17

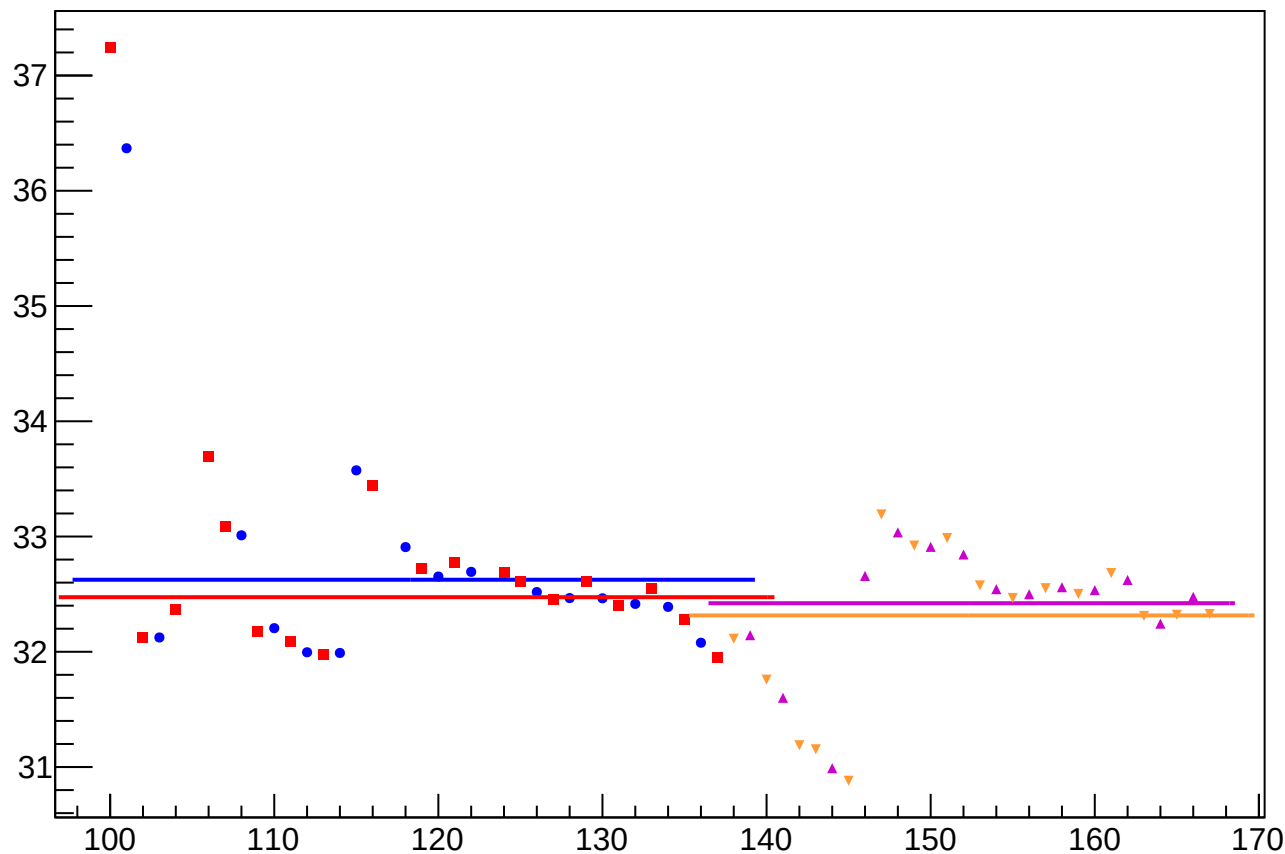
Left In: 0.079 $\pm$ 0.000 χ^2 /NDF: 249757.8/13

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1122660.0/30

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 2344377.4/62

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 1215528.5/31

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF : 739141163.5/15

Left Out: 32.315+/-0.000 χ^2/NDF : 773299205.5/15

Right Out: 32.474+/-0.000 χ^2/NDF : 156801553.7/18

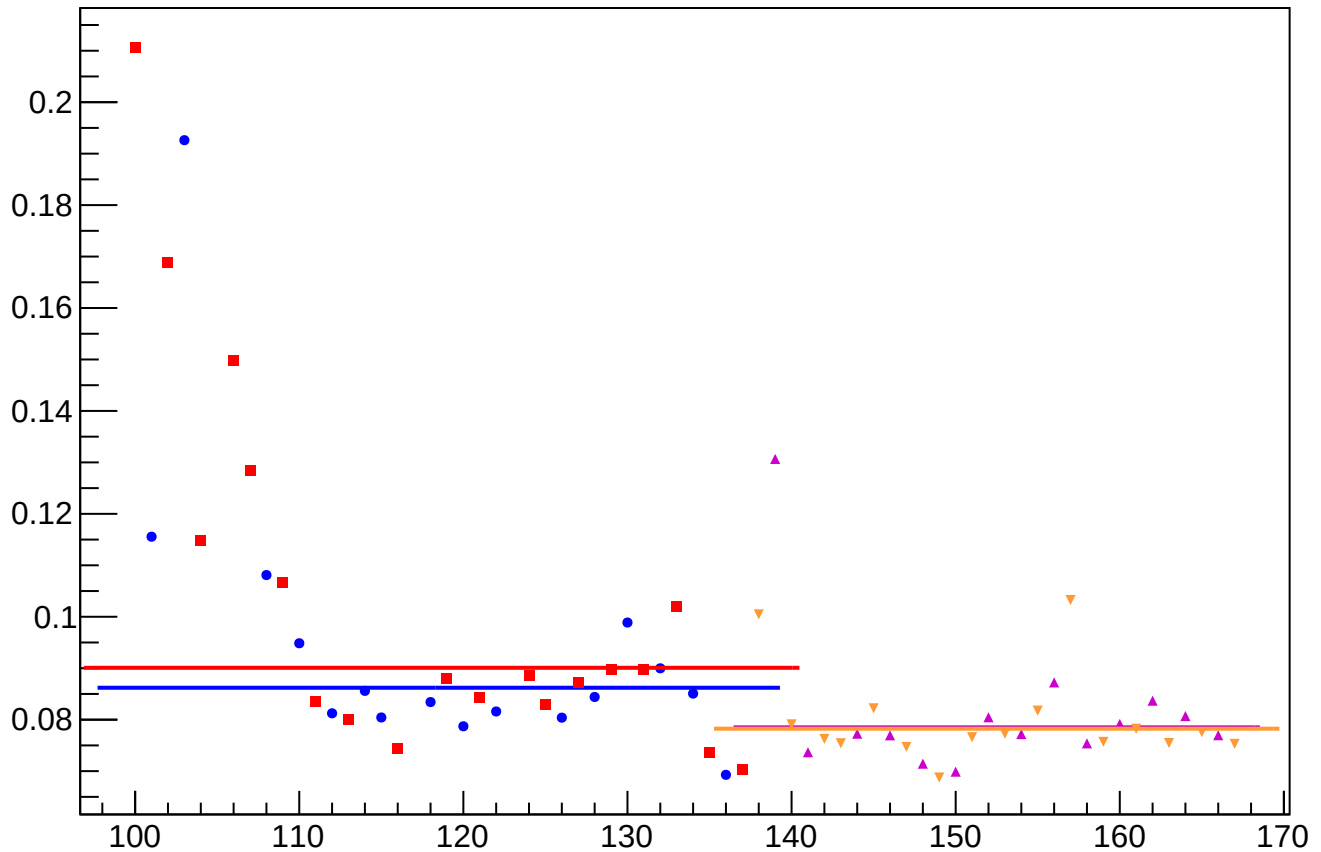
Left In: 32.421+/-0.000 χ^2/NDF : 527857755.5/13

+ sign 32.412+/-0.000 χ^2/NDF : 1568090413.2/31

All: 32.425+/-0.000 χ^2/NDF : 2255084302.5/6

- sign 32.438+/-0.000 χ^2/NDF : 686131388.6/32

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 598718.4/15

Left Out: 0.078 ± 0.000 χ^2/NDF : 200193.6/15

Right Out: 0.090 ± 0.000 χ^2/NDF : 621848.1/18

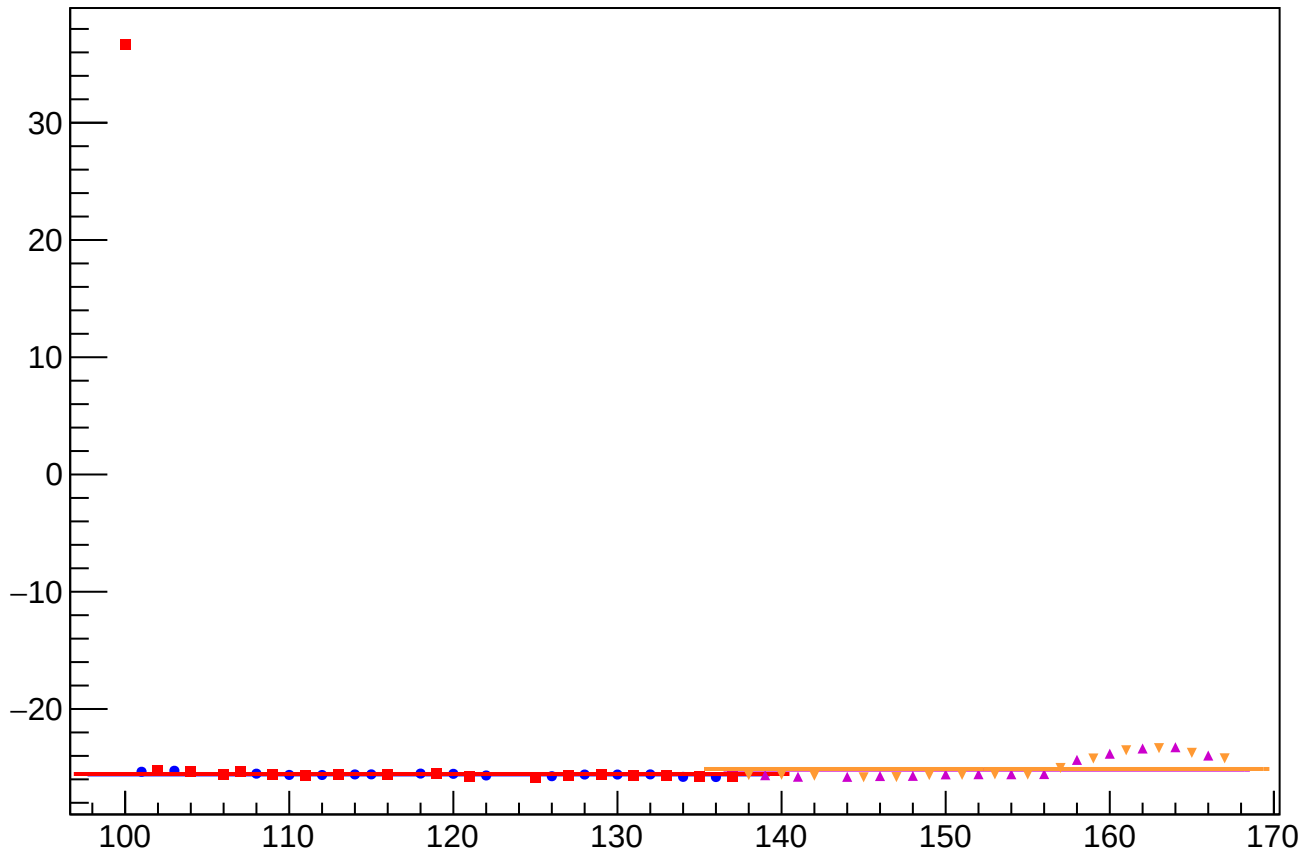
Left In: 0.079 ± 0.000 χ^2/NDF : 334551.0/13

+ sign 0.081 ± 0.000 χ^2/NDF : 872378.1/31

All: 0.081 ± 0.000 χ^2/NDF : 1979235.4/64

- sign 0.082 ± 0.000 χ^2/NDF : 1101358.1/32

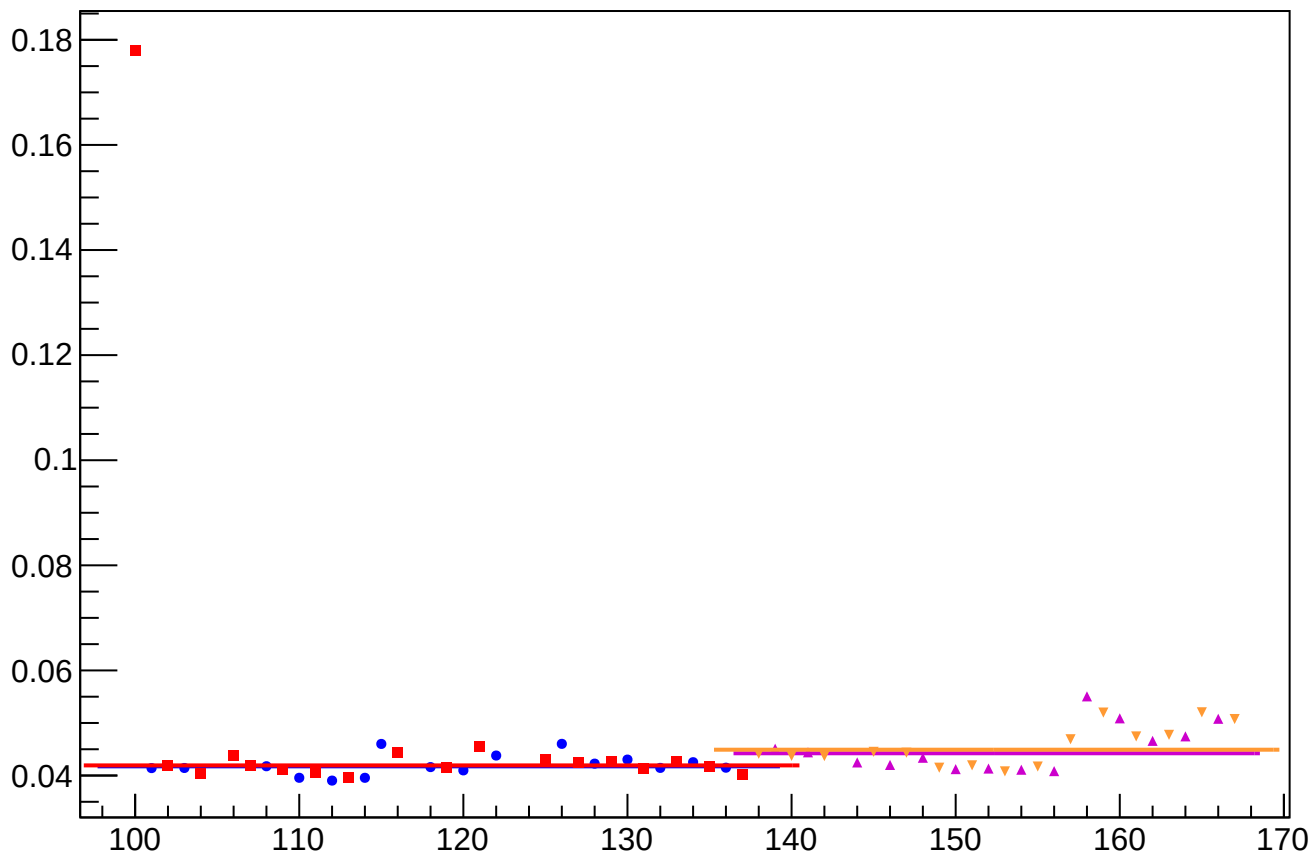
yield_dsl_mean vs Slug



Right In: -25.579 ± 0.000 χ^2/NDF : 98389255.1/15
Left Out: -25.116 ± 0.000 χ^2/NDF : 4085394596.8/14
Right Out: -25.544 ± 0.000 χ^2/NDF : 8907540506.8/17
Left In: -25.171 ± 0.000 χ^2/NDF : 4221752621.3/13

+ sign -25.310 ± 0.000 χ^2/NDF : 4694930833.7/30
All: -25.318 ± 0.000 χ^2/NDF : 18158970358.6/31
- sign -25.327 ± 0.000 χ^2/NDF : 13462731633.0/31

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 20733.3/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:134963.5/14

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 100140.4/17

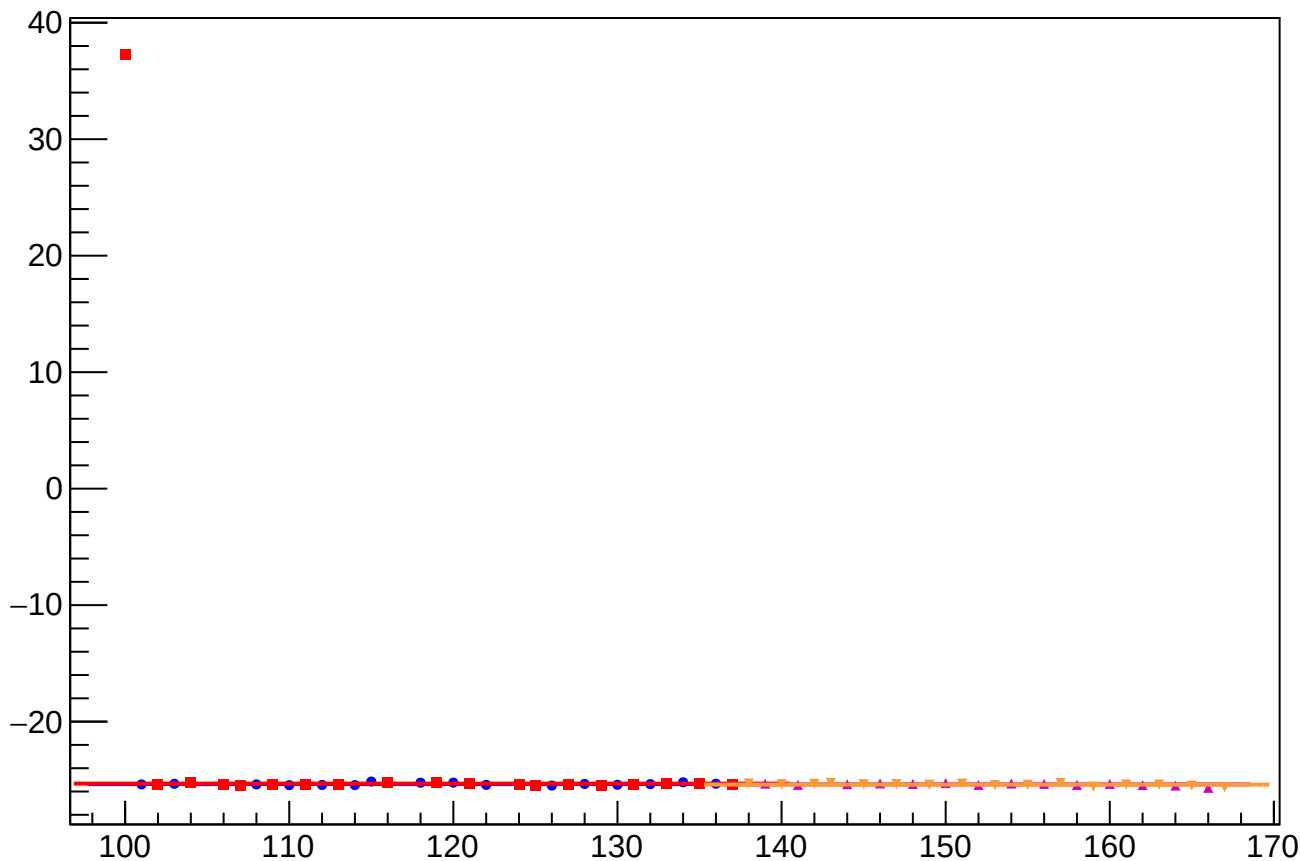
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:169908.1/13

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 203551.7/30

All: 0.043 $\pm$ 0.000 χ^2 /NDF: 500110.0/62

- sign 0.043 $\pm$ 0.000 χ^2 /NDF: 295585.8/31

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF : 13284405.9/15

Left Out: -25.406+/-0.000 χ^2/NDF : 42197297.5/15

Right Out: -25.322+/-0.000 χ^2/NDF : 6314907036.5/18

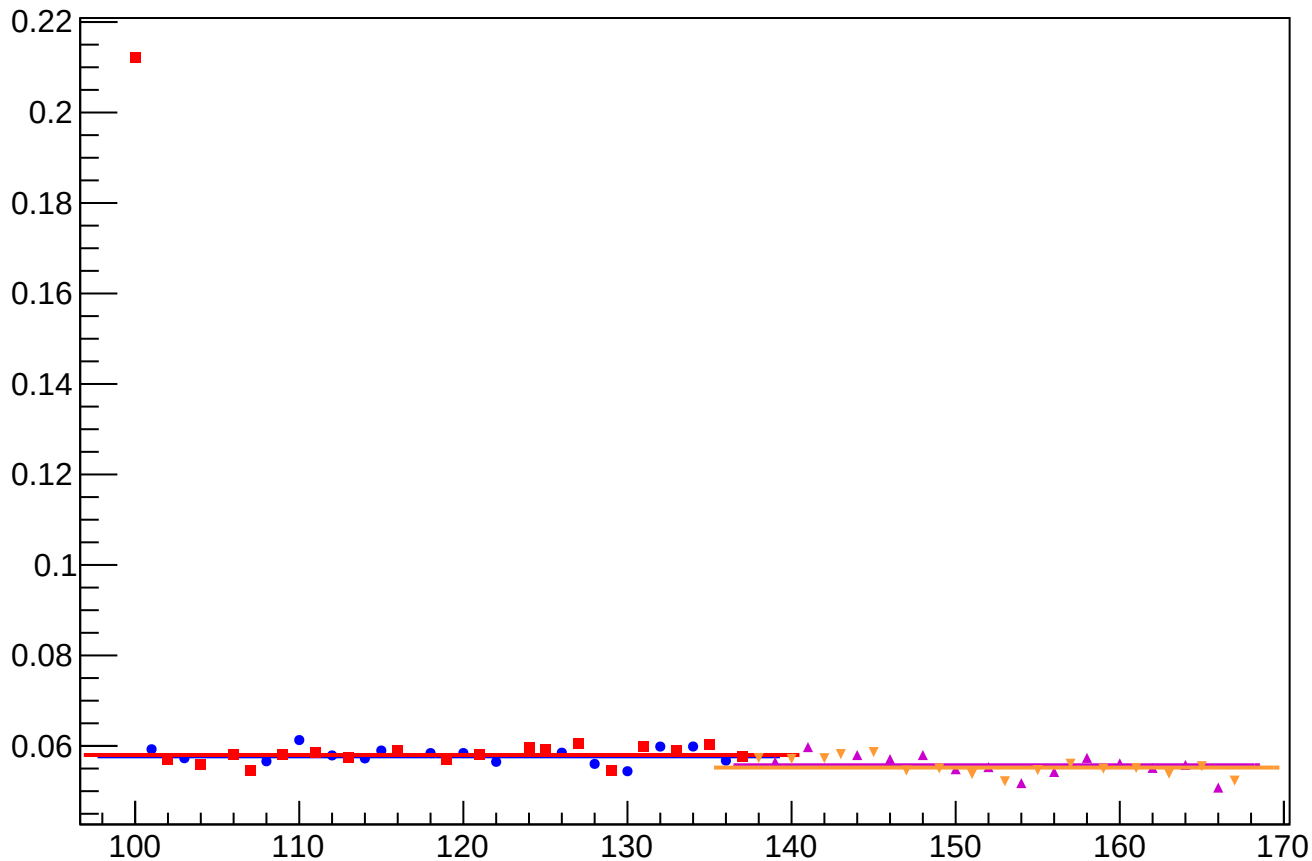
Left In: -25.386+/-0.000 χ^2/NDF : 32247015.7/13

+ sign -25.390+/-0.000 χ^2/NDF : 58368008.9/31

All: -25.377+/-0.000 χ^2/NDF : 6413385354.3/31

- sign -25.362+/-0.000 χ^2/NDF : 6352696044.7/32

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF : 27567.8/15

Right Out: 0.058+/-0.000 χ^2/NDF : 88682.9/18

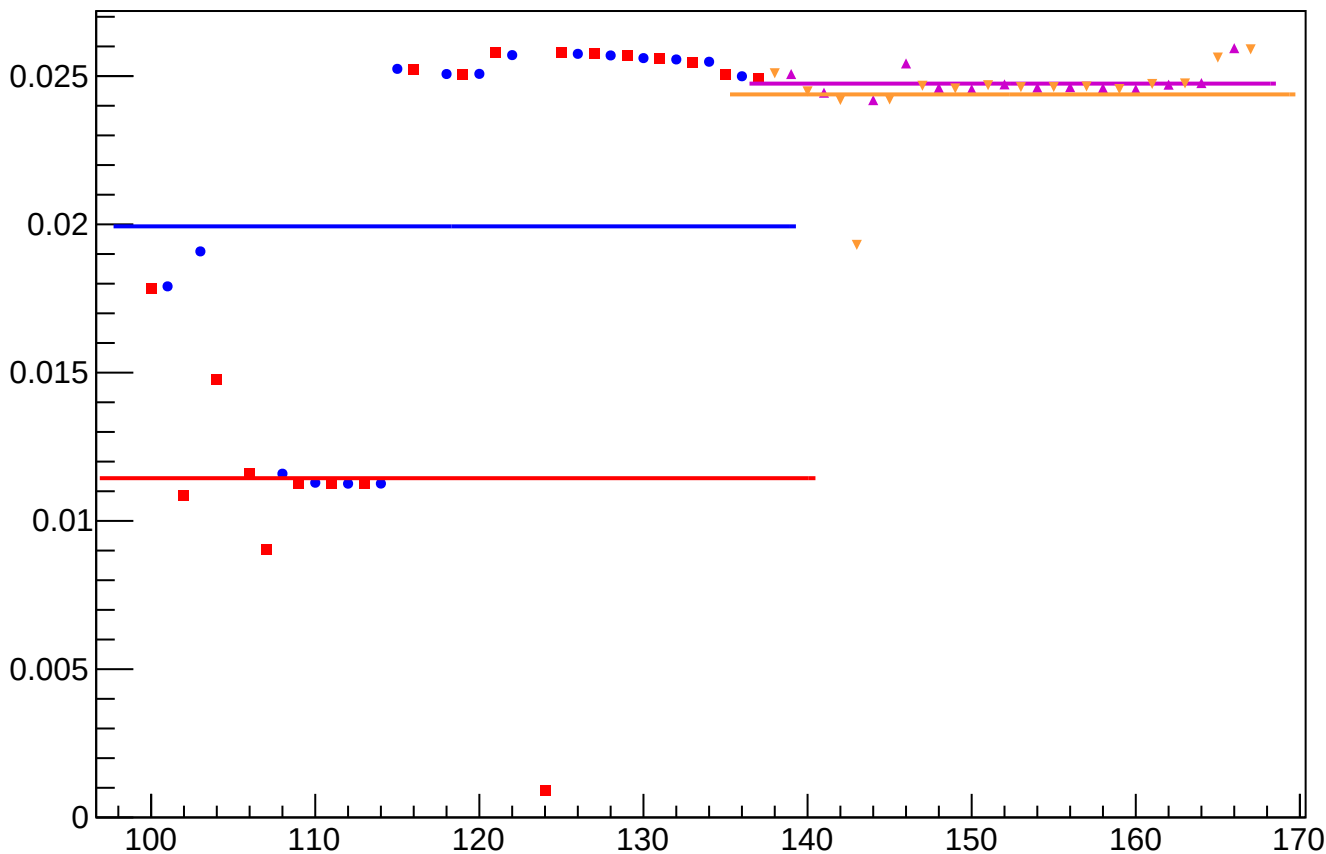
Left In: 0.056+/-0.000 χ^2/NDF : 37692.8/13

+ sign 0.056+/-0.000 χ^2/NDF : 56285.0/31

All: 0.056+/-0.000 χ^2/NDF : 198044.9/64

- sign 0.057+/-0.000 χ^2/NDF : 140275.9/32

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 62465154056.0/15

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5386324089.4/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 253880264851.8/18

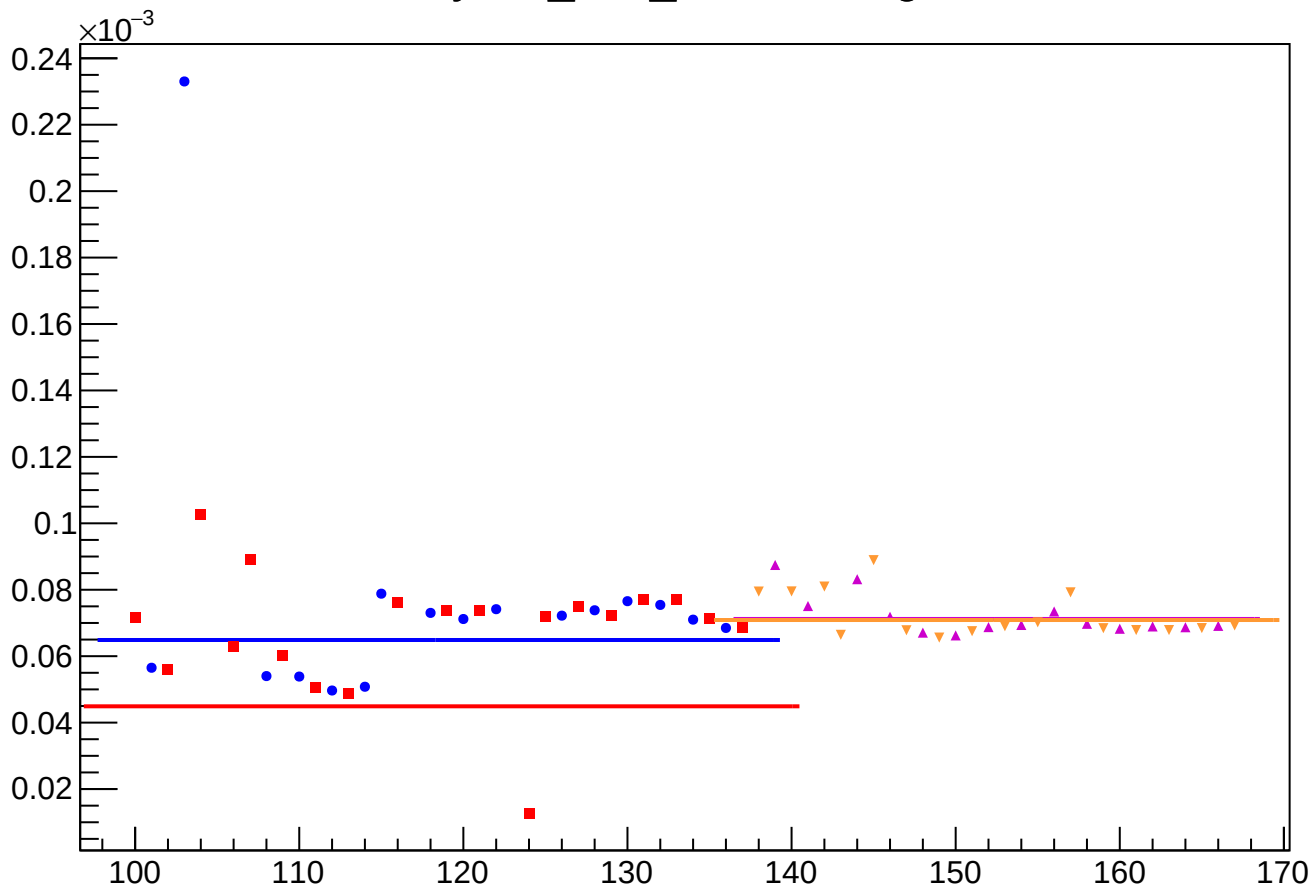
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 339865378.4/13

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 86665098650.6/31

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 603558842070.4

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 463109243396.8/32

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 816892.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:168264.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3770565.9/18

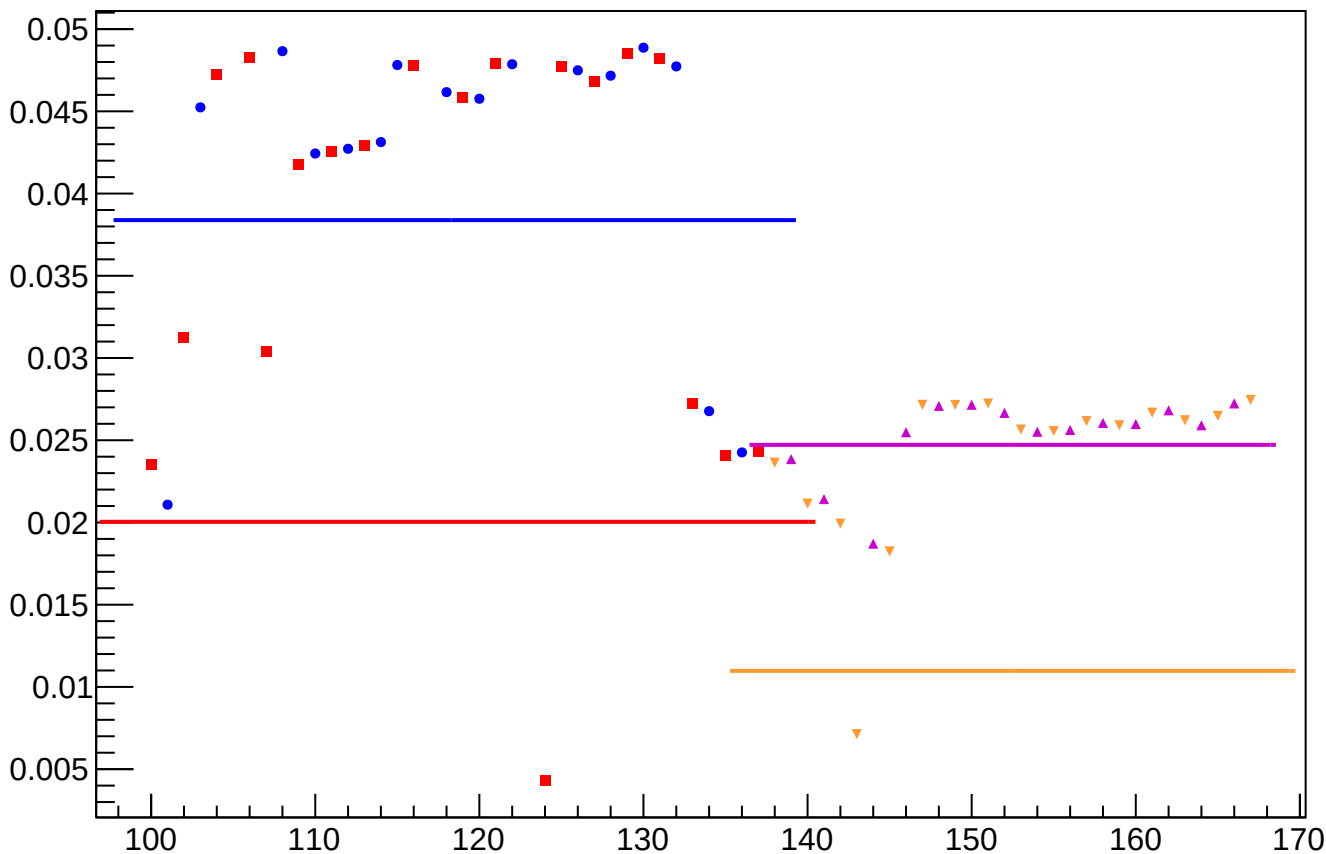
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:125539.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1053917.1/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7138447.9/64

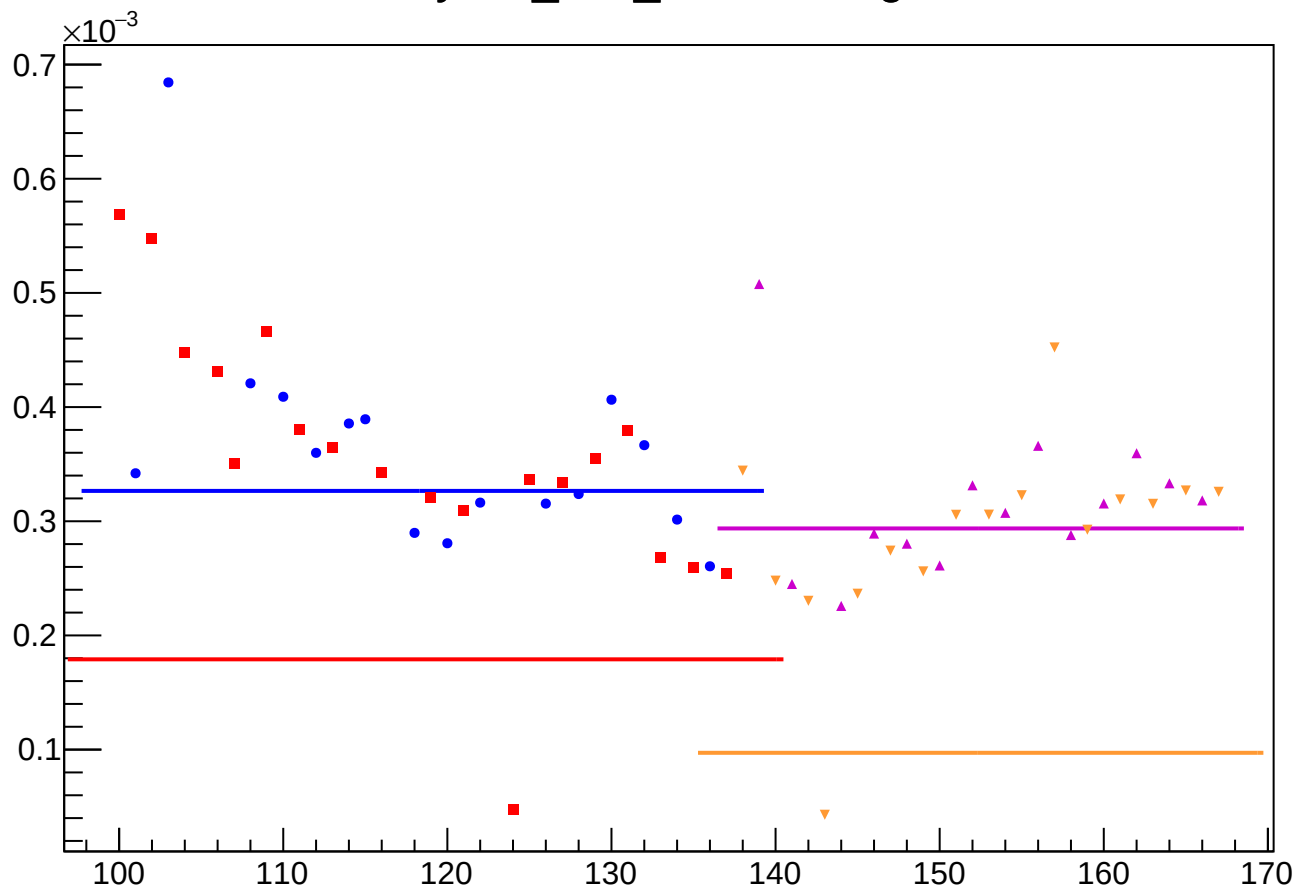
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5527956.1/32

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000	χ^2/NDF : 7078619233.3/15	+ sign 0.014+/-0.000	χ^2/NDF : 77878277161.4/31
Left Out: 0.011+/-0.000	χ^2/NDF : 30588269269.2/15	All: 0.016+/-0.000	χ^2/NDF : 135525543967.3
Right Out: 0.020+/-0.000	χ^2/NDF : 42185025429.6/18	- sign 0.022+/-0.000	χ^2/NDF : 44476436306.5/32
Left In: 0.025+/-0.000	χ^2/NDF : 978523046.0/13		

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 12190716.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 5660786.3/18

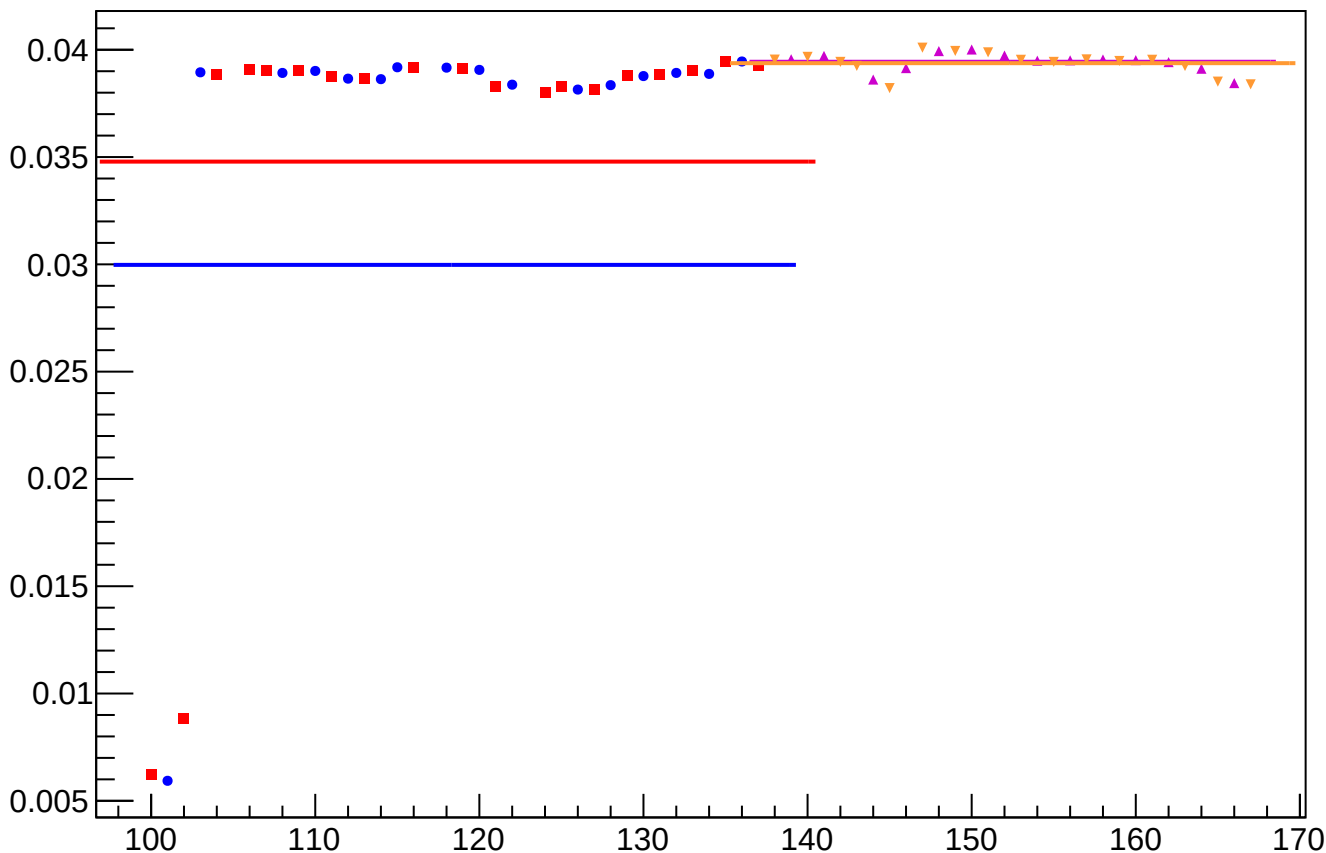
Left In: 0.000+/-0.000 χ^2/NDF : 680402.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 18404874.8/31

All: 0.000+/-0.000 χ^2/NDF : 30983553.5/64

- sign 0.000+/-0.000 χ^2/NDF : 7917415.5/32

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 108275706275.7/15

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF:187794641.7/15

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 47263545471.6/18

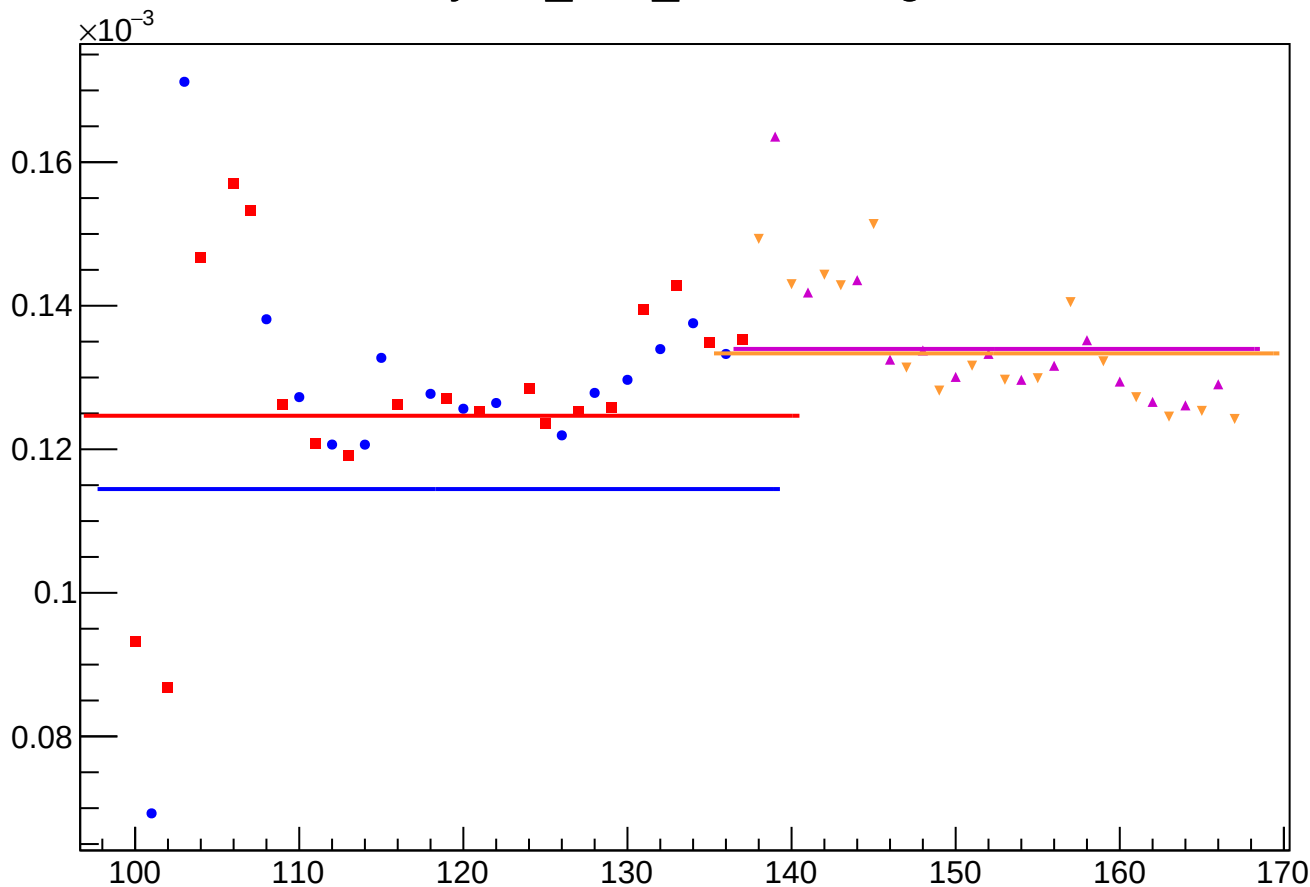
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:107488003.3/13

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 134265522808.0/31

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 189798095505.1

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 53003867363.8/32

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 :93793.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 260393.6/18

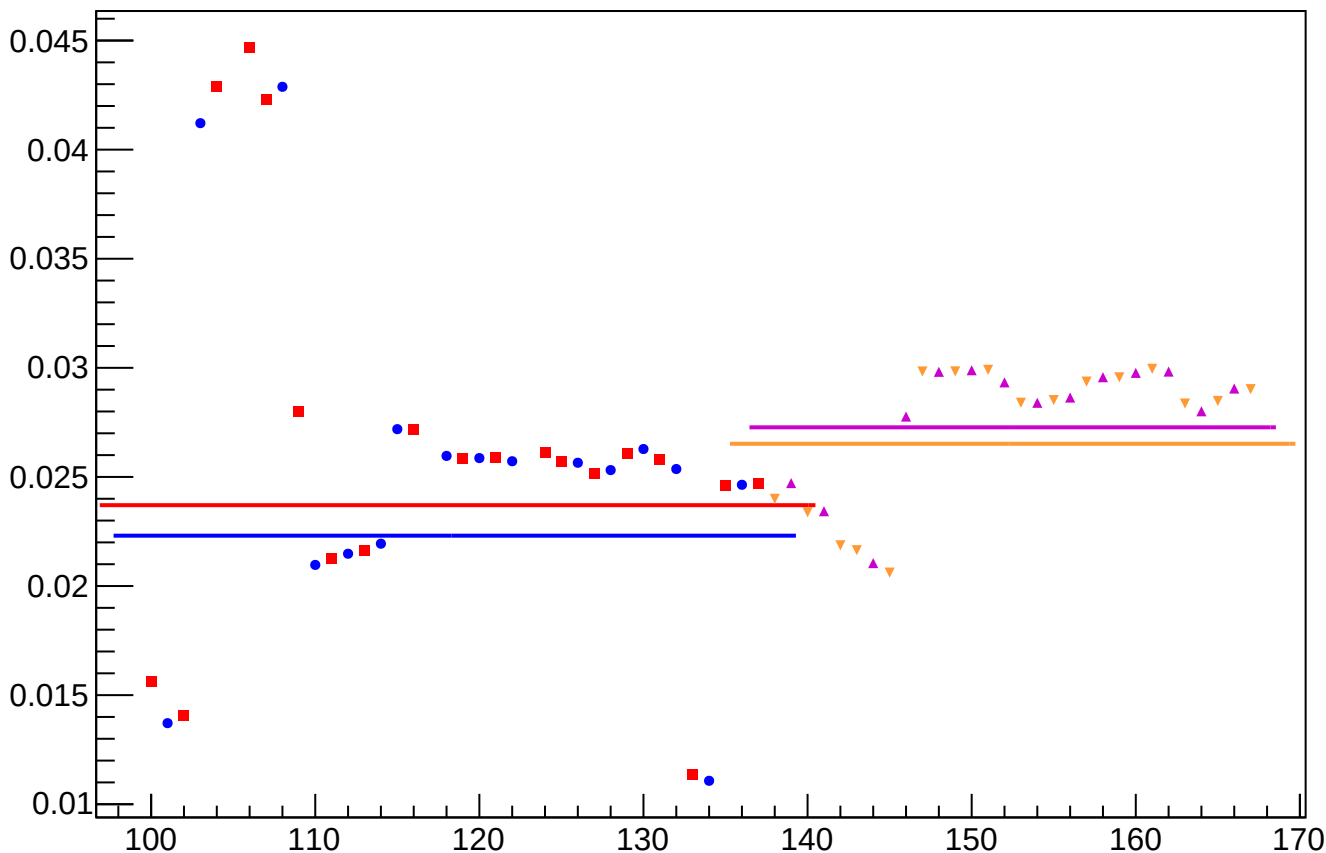
Left In: 0.000+/-0.000 χ^2/NDF :84963.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 1155600.5/31

All: 0.000+/-0.000 χ^2/NDF : 1571713.5/64

- sign 0.000+/-0.000 χ^2/NDF : 390471.0/32

yield_atr2_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5012486114.6/15

Left Out: 0.027 $\pm$ 0.000 χ^2 /NDF:1847929462.2/15

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5581865088.7/18

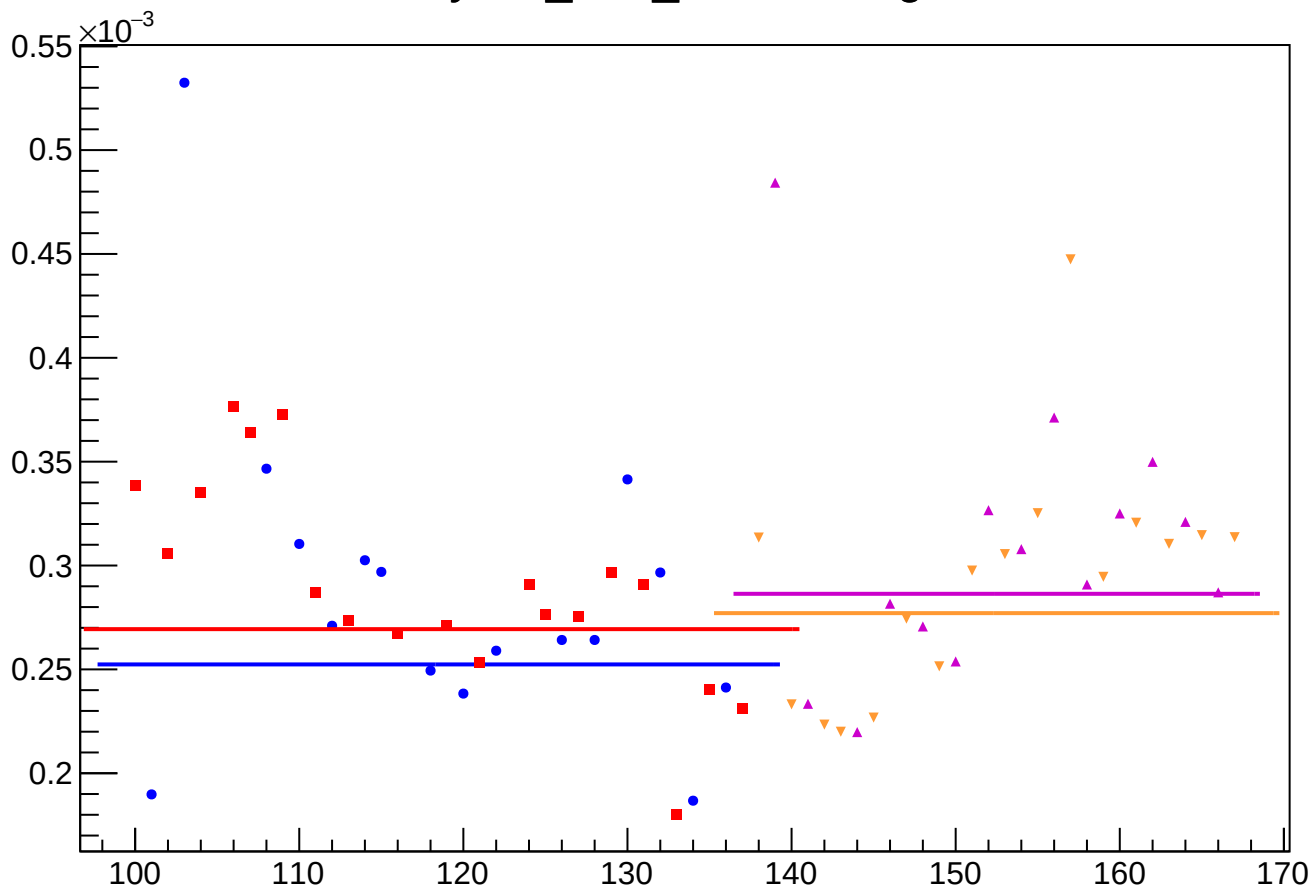
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF:1262451473.9/13

+ sign 0.025 $\pm$ 0.000 χ^2 /NDF: 7891862491.6/31

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 15507345655.3/6

- sign 0.026 $\pm$ 0.000 χ^2 /NDF: 7506091474.2/32

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 707863.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:619361.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 446359.4/18

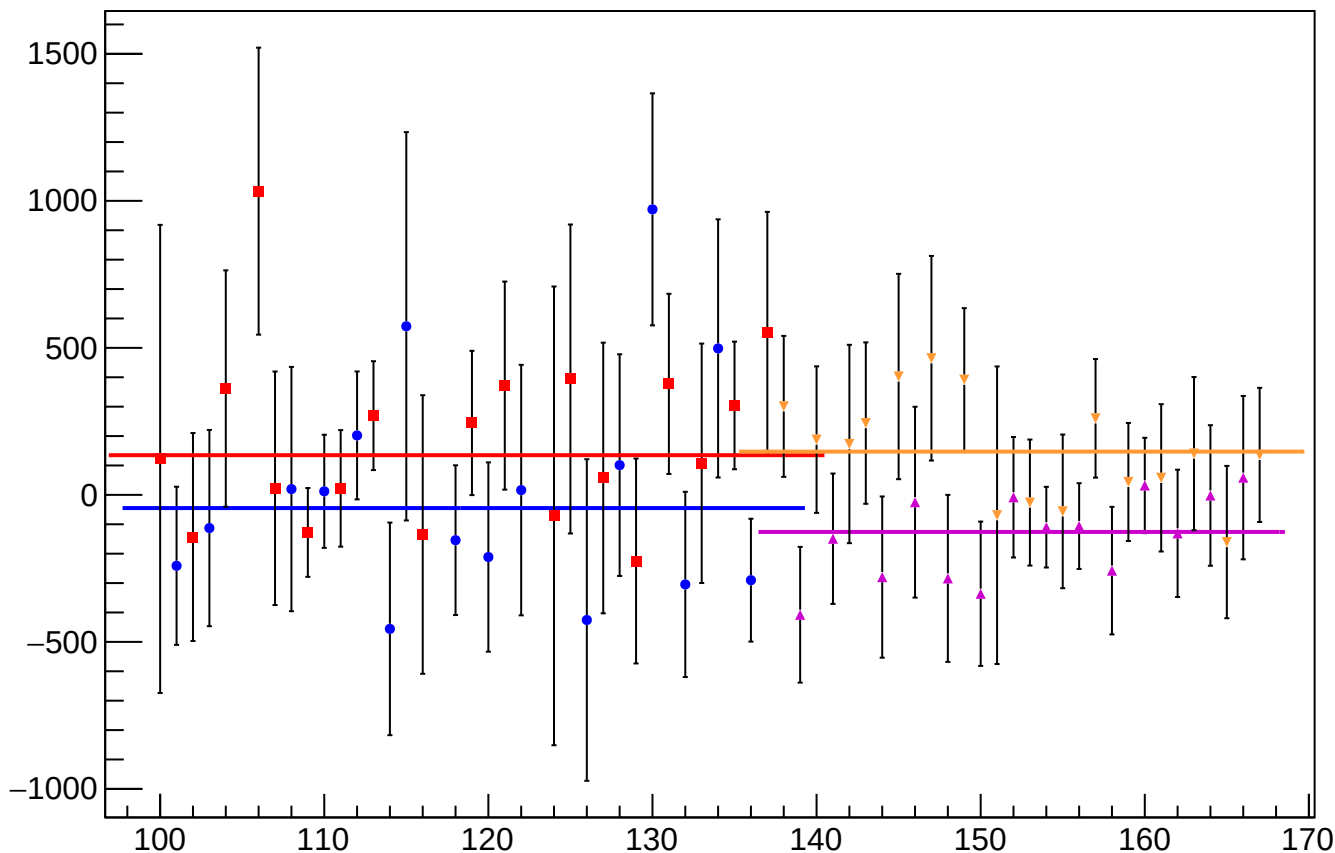
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:726828.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1398138.0/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2635558.8/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1203284.3/32

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: 147.177 ± 64.090 χ^2/NDF : 6.5/15

Right Out: 134.996 ± 68.062 χ^2/NDF : 12.9/18

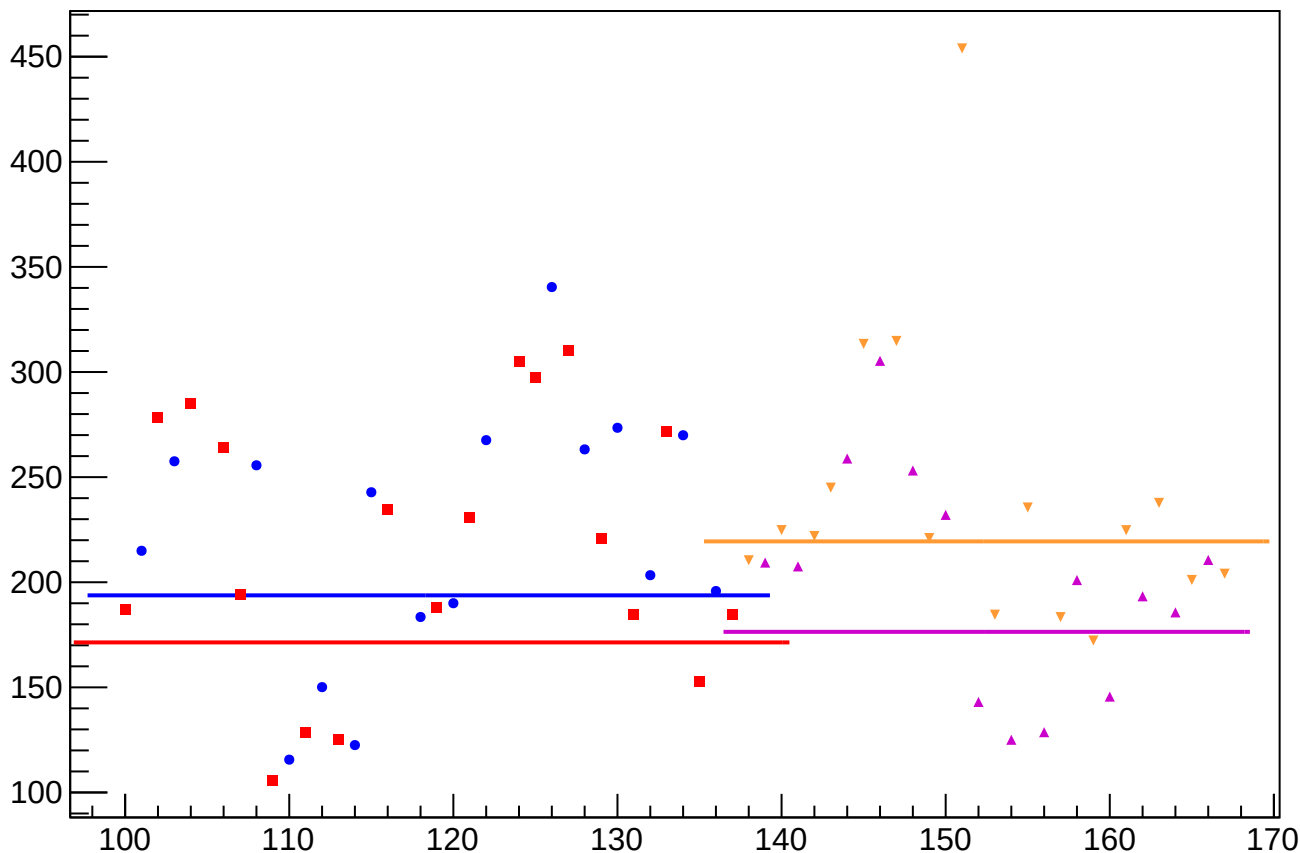
Left In: -126.057 ± 55.389 χ^2/NDF : 5.3/13

+ sign 67.588 ± 49.047 χ^2/NDF : 25.7/31

All: 16.865 ± 32.317 χ^2/NDF : 54.7/64

- sign -22.050 ± 42.961 χ^2/NDF : 27.1/32

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: 219.432 $\pm$ 0.045 χ^2 /NDF: 1010241.1/15

Right Out: 171.382 $\pm$ 0.048 χ^2 /NDF: 1658079.5/18

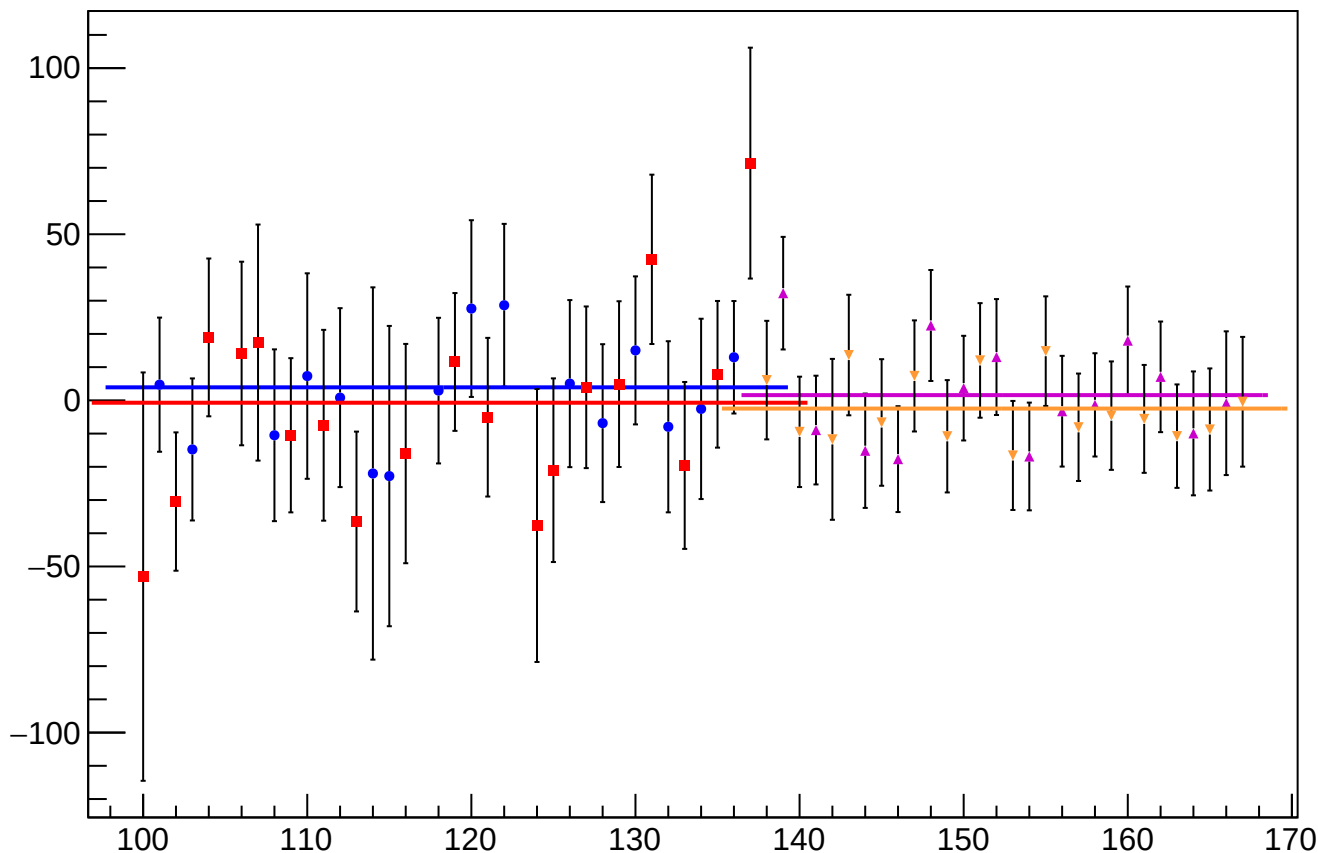
Left In: 176.407 $\pm$ 0.039 χ^2 /NDF: 1515961.3/13

+ sign 208.798 $\pm$ 0.035 χ^2 /NDF: 2191211.6/31

All: 189.336 $\pm$ 0.023 χ^2 /NDF: 5928307.7/64

- sign 174.405 $\pm$ 0.030 χ^2 /NDF: 3180599.5/32

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: -2.468 ± 4.337 χ^2/NDF : 5.1/15

Right Out: -0.714 ± 6.077 χ^2/NDF : 15.9/18

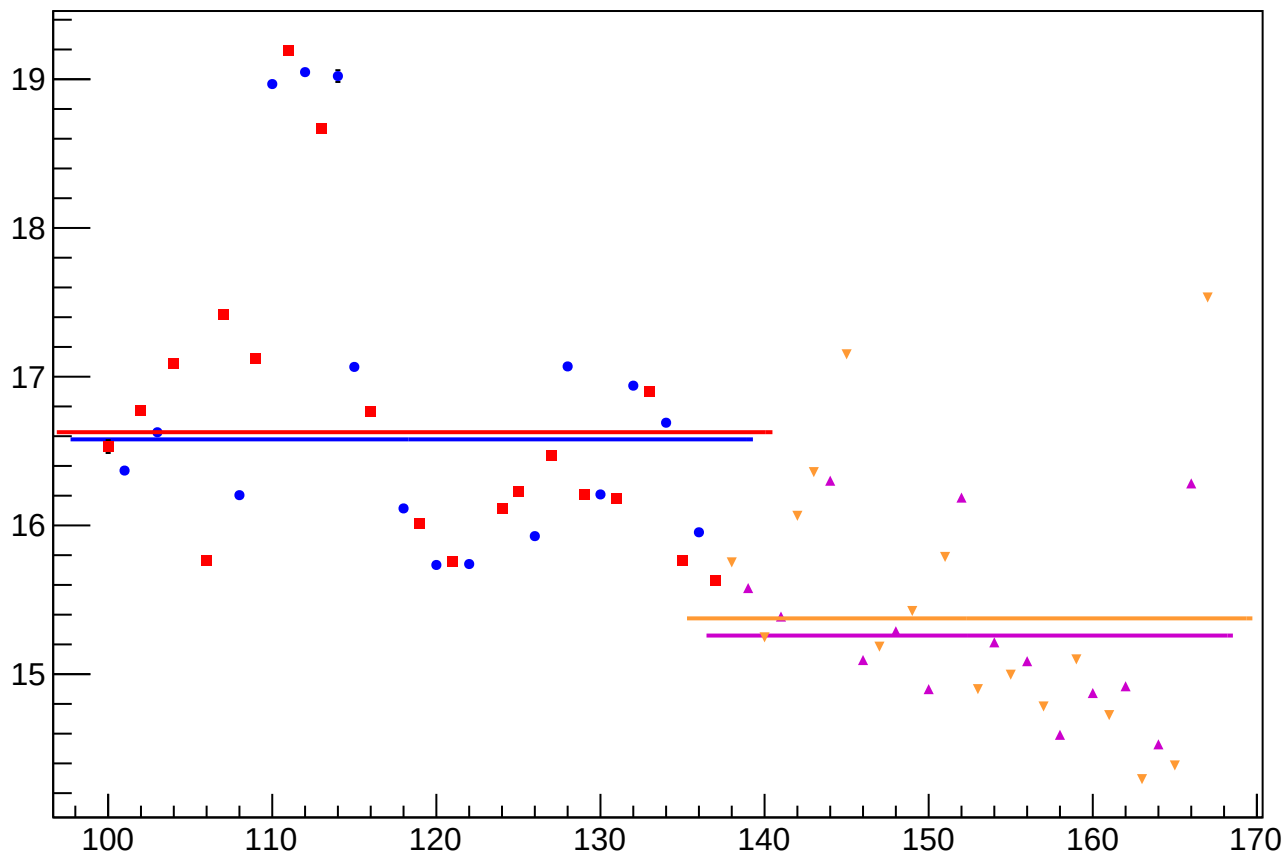
Left In: 1.576 ± 4.501 χ^2/NDF : 11.1/13

+ sign -0.355 ± 3.548 χ^2/NDF : 10.3/31

All: 0.194 ± 2.533 χ^2/NDF : 37.4/64

- sign 0.765 ± 3.617 χ^2/NDF : 27.1/32

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: 15.375 $\pm$ 0.003 χ^2 /NDF: 76339.5/15

Right Out: 16.627 $\pm$ 0.004 χ^2 /NDF: 43461.8/18

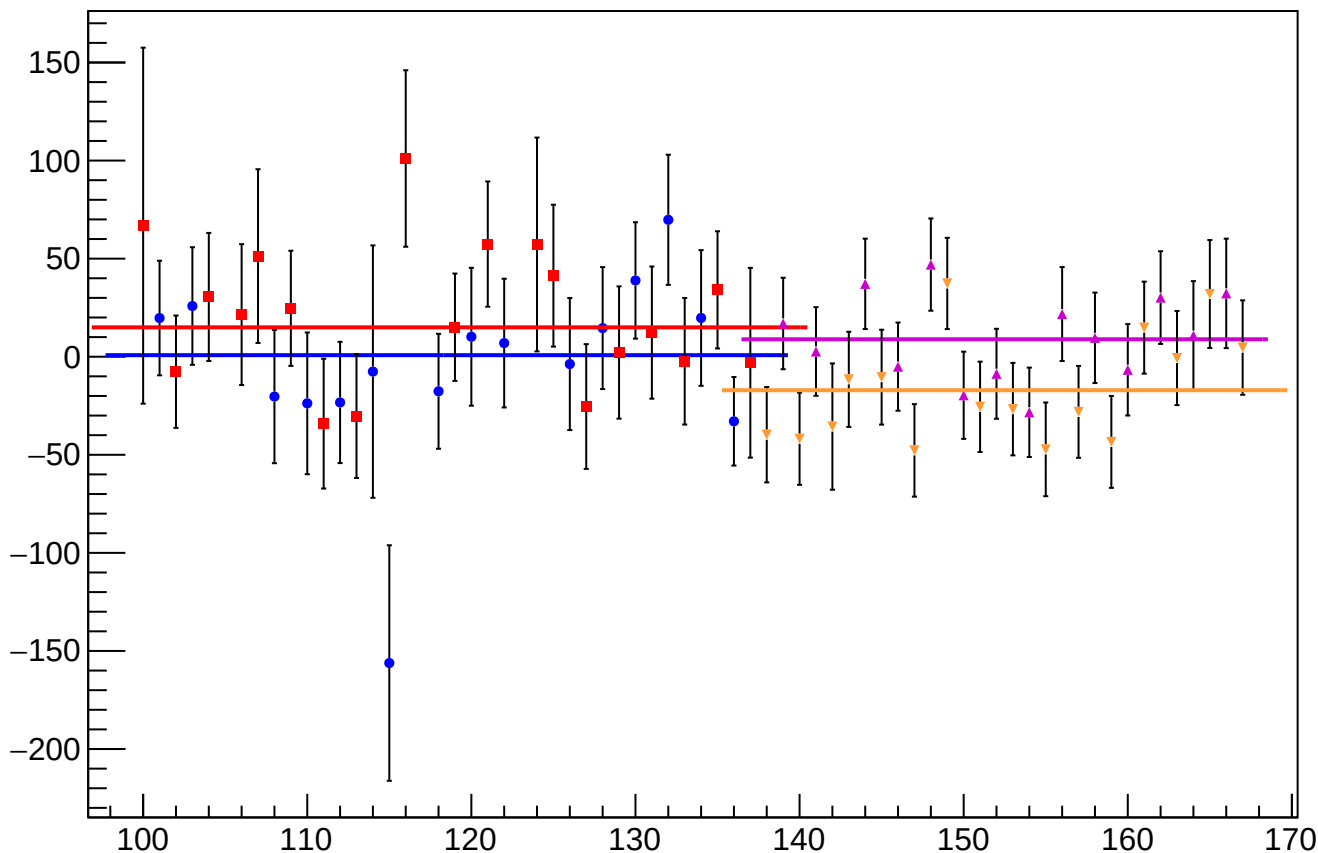
Left In: 15.260 $\pm$ 0.003 χ^2 /NDF: 28501.8/13

+ sign 15.773 $\pm$ 0.003 χ^2 /NDF: 171832.9/31

All: 15.759 $\pm$ 0.002 χ^2 /NDF: 309248.8/64

- sign 15.744 $\pm$ 0.003 χ^2 /NDF: 137350.6/32

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.790 ± 8.125 χ^2/NDF : 18.7/15

Left Out: -17.082 ± 6.063 χ^2/NDF : 19.3/15

Right Out: 14.981 ± 7.953 χ^2/NDF : 15.4/18

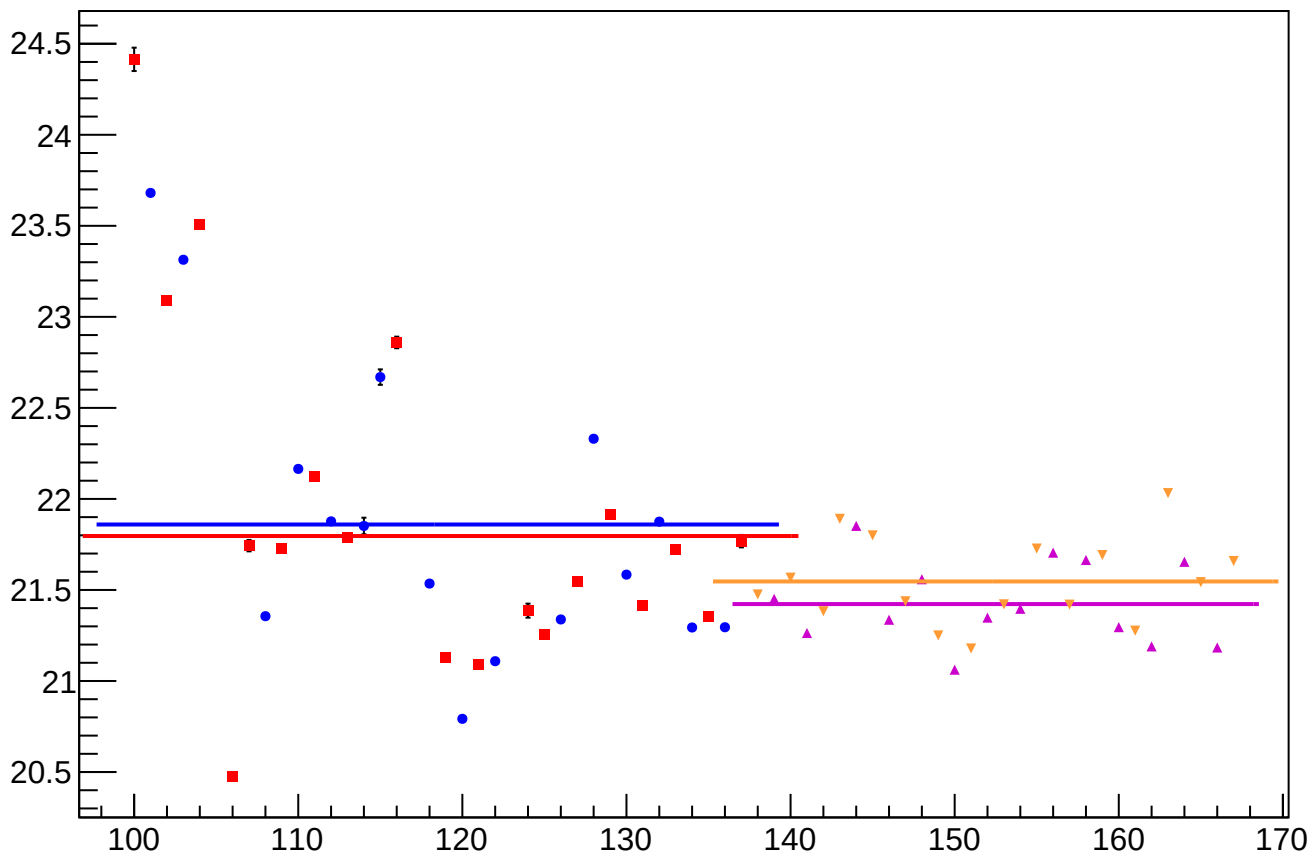
Left In: 8.887 ± 6.305 χ^2/NDF : 11.9/13

+ sign -10.690 ± 4.859 χ^2/NDF : 41.1/31

All: 0.091 ± 3.464 χ^2/NDF : 78.7/64

- sign 11.239 ± 4.941 χ^2/NDF : 27.6/32

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860 $\pm$ 0.006 χ^2 /NDF: 19468.1/15

Left Out: 21.547 $\pm$ 0.004 χ^2 /NDF: 3004.4/15

Right Out: 21.796 $\pm$ 0.006 χ^2 /NDF: 18861.3/18

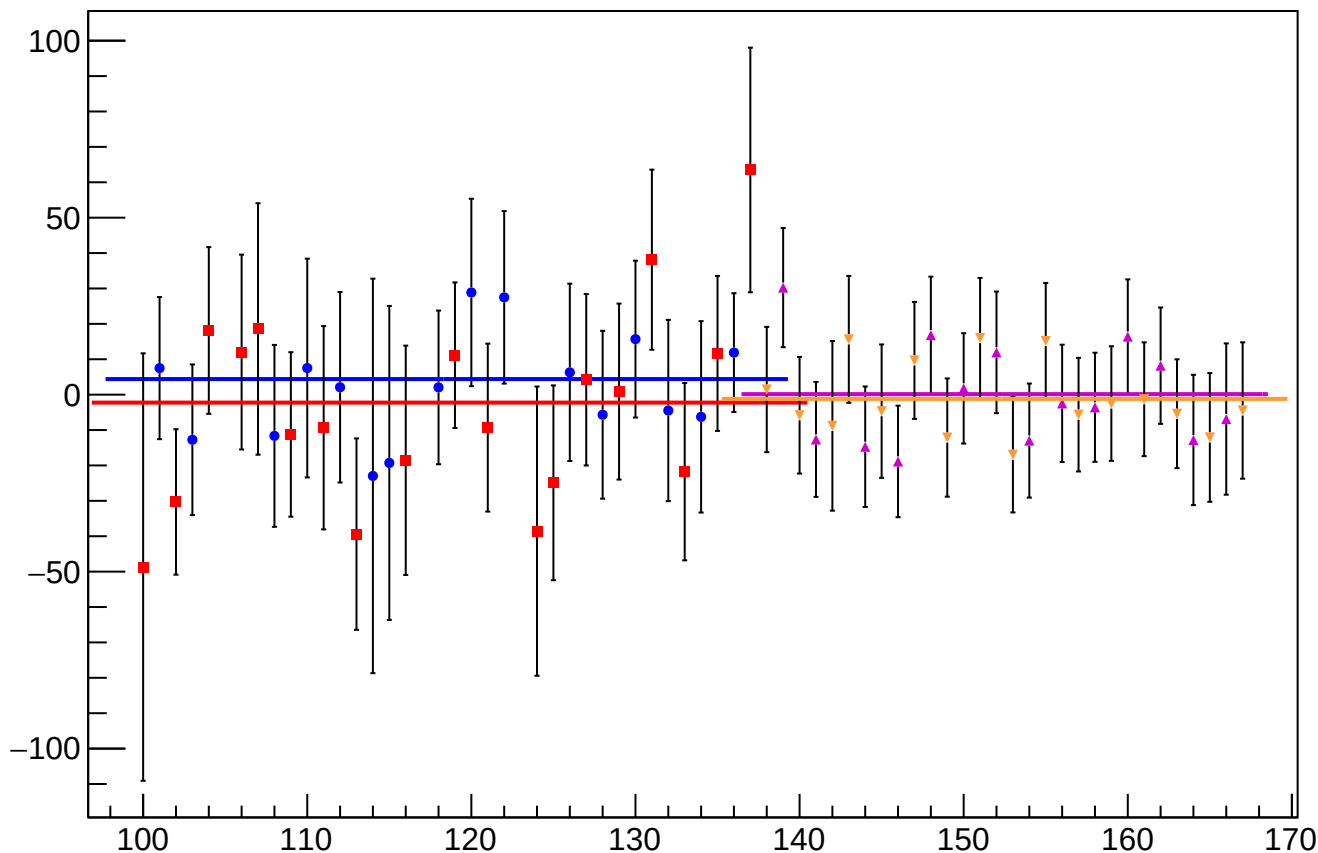
Left In: 21.422 $\pm$ 0.004 χ^2 /NDF: 2479.4/13

+ sign 21.659 $\pm$ 0.003 χ^2 /NDF: 24377.1/31

All: 21.613 $\pm$ 0.002 χ^2 /NDF: 48781.7/64

- sign 21.567 $\pm$ 0.003 χ^2 /NDF: 24052.9/32

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.404 ± 6.137 χ^2/NDF : 4.3/15

Left Out: -1.196 ± 4.294 χ^2/NDF : 5.5/15

Right Out: -2.244 ± 6.042 χ^2/NDF : 15.4/18

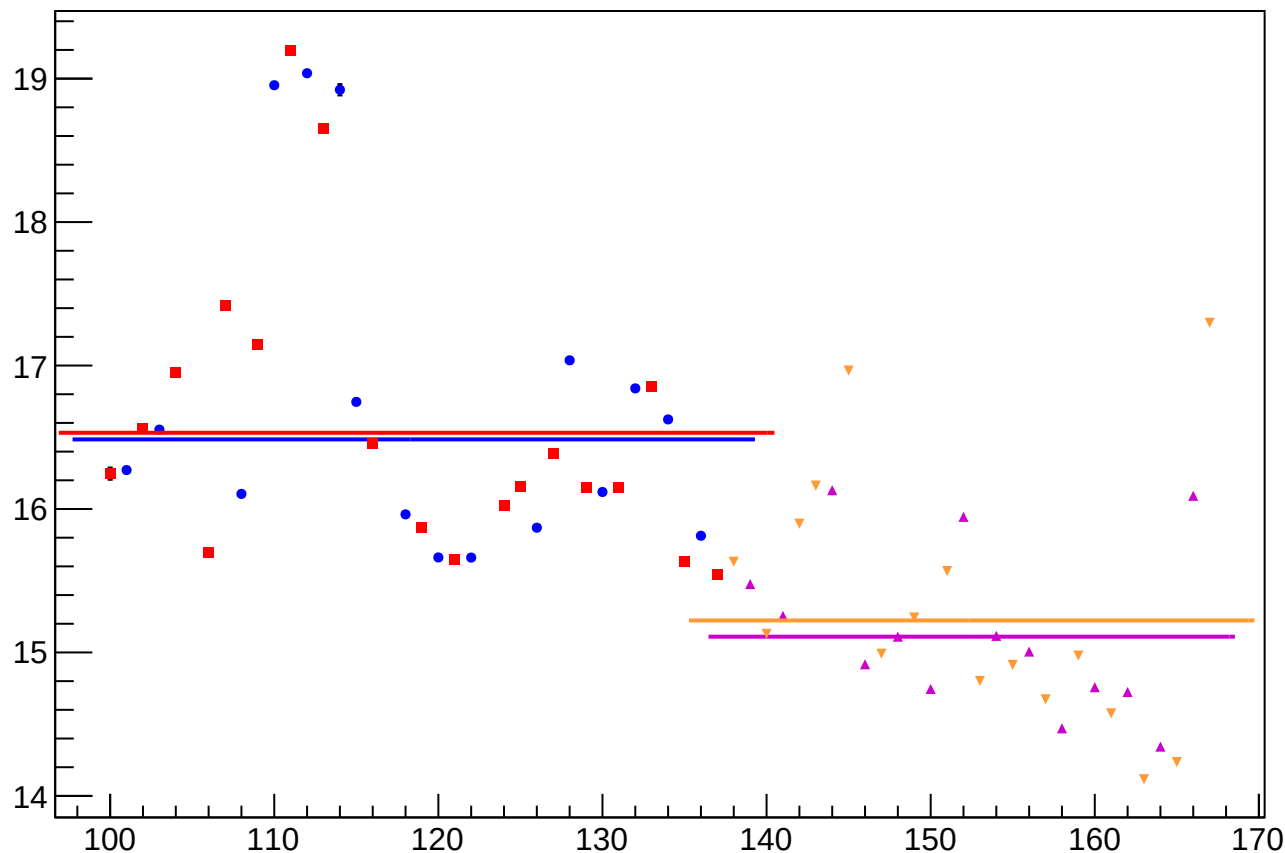
Left In: 0.149 ± 4.456 χ^2/NDF : 10.1/13

+ sign 0.644 ± 3.518 χ^2/NDF : 10.3/31

All: -0.012 ± 2.511 χ^2/NDF : 36.0/64

- sign -0.694 ± 3.586 χ^2/NDF : 25.6/32

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: 15.223 $\pm$ 0.003 χ^2 /NDF: 74092.5/15

Right Out: 16.531 $\pm$ 0.004 χ^2 /NDF: 46474.0/18

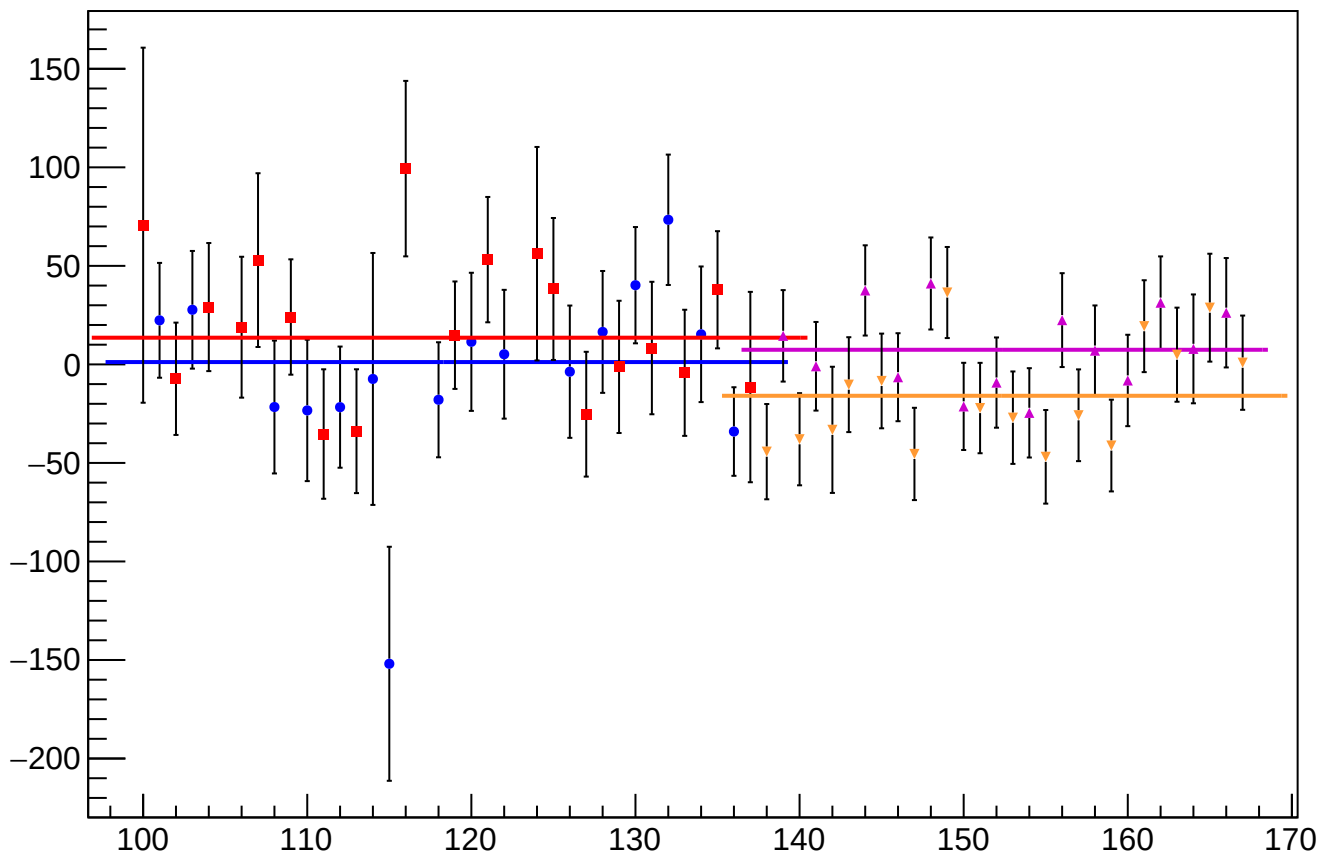
Left In: 15.110 $\pm$ 0.003 χ^2 /NDF: 27678.0/13

+ sign 15.638 $\pm$ 0.002 χ^2 /NDF: 178066.8/31

All: 15.624 $\pm$ 0.002 χ^2 /NDF: 323951.3/64

- sign 15.611 $\pm$ 0.003 χ^2 /NDF: 145826.6/32

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.185 ± 8.088 χ^2/NDF : 19.4/15

Left Out: -15.925 ± 6.027 χ^2/NDF : 19.0/15

Right Out: 13.549 ± 7.915 χ^2/NDF : 15.9/18

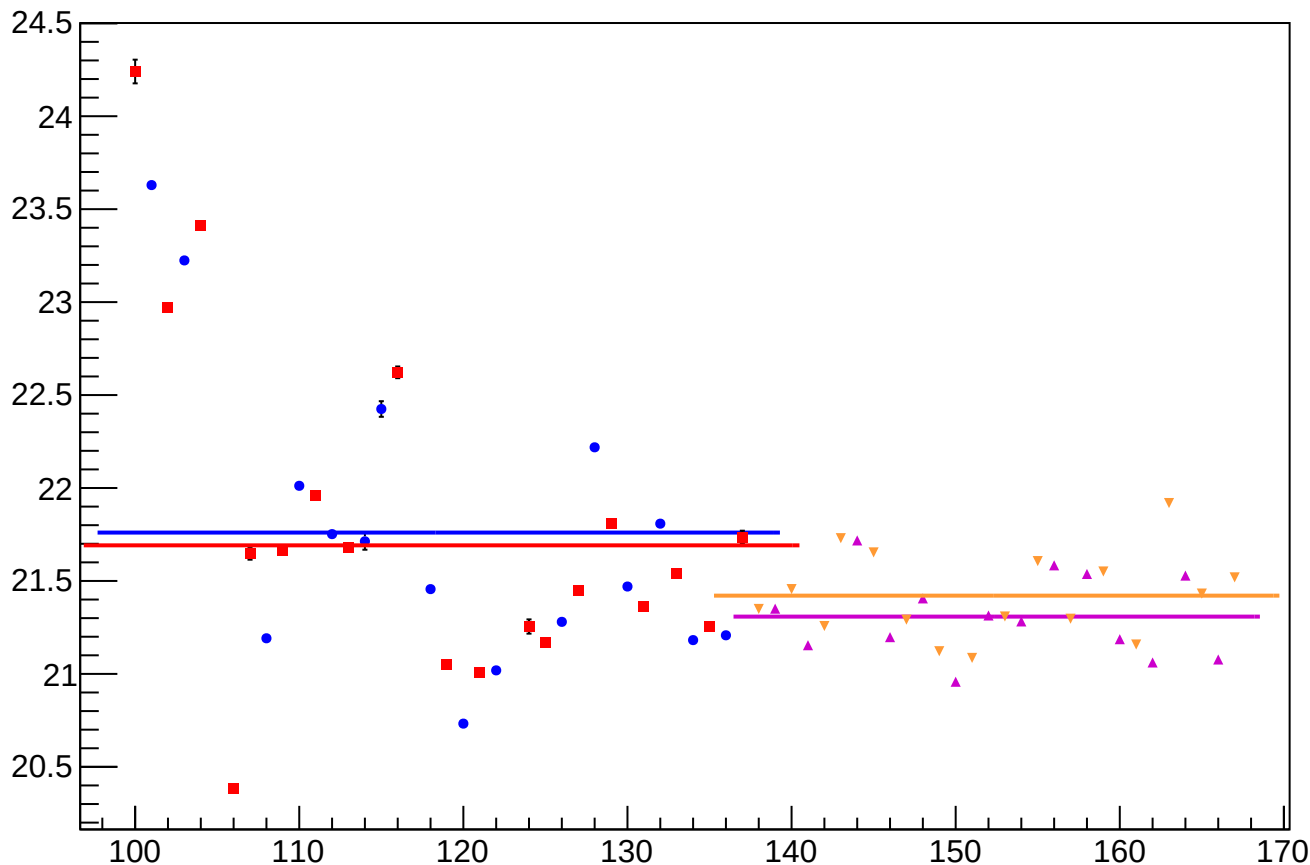
Left In: 7.421 ± 6.272 χ^2/NDF : 11.0/13

+ sign -9.816 ± 4.833 χ^2/NDF : 41.3/31

All: -0.182 ± 3.446 χ^2/NDF : 76.7/64

- sign 9.785 ± 4.916 χ^2/NDF : 27.3/32

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: 21.421 $\pm$ 0.004 χ^2/NDF : 2859.6/15

Right Out: 21.692 $\pm$ 0.006 χ^2/NDF : 18330.7/18

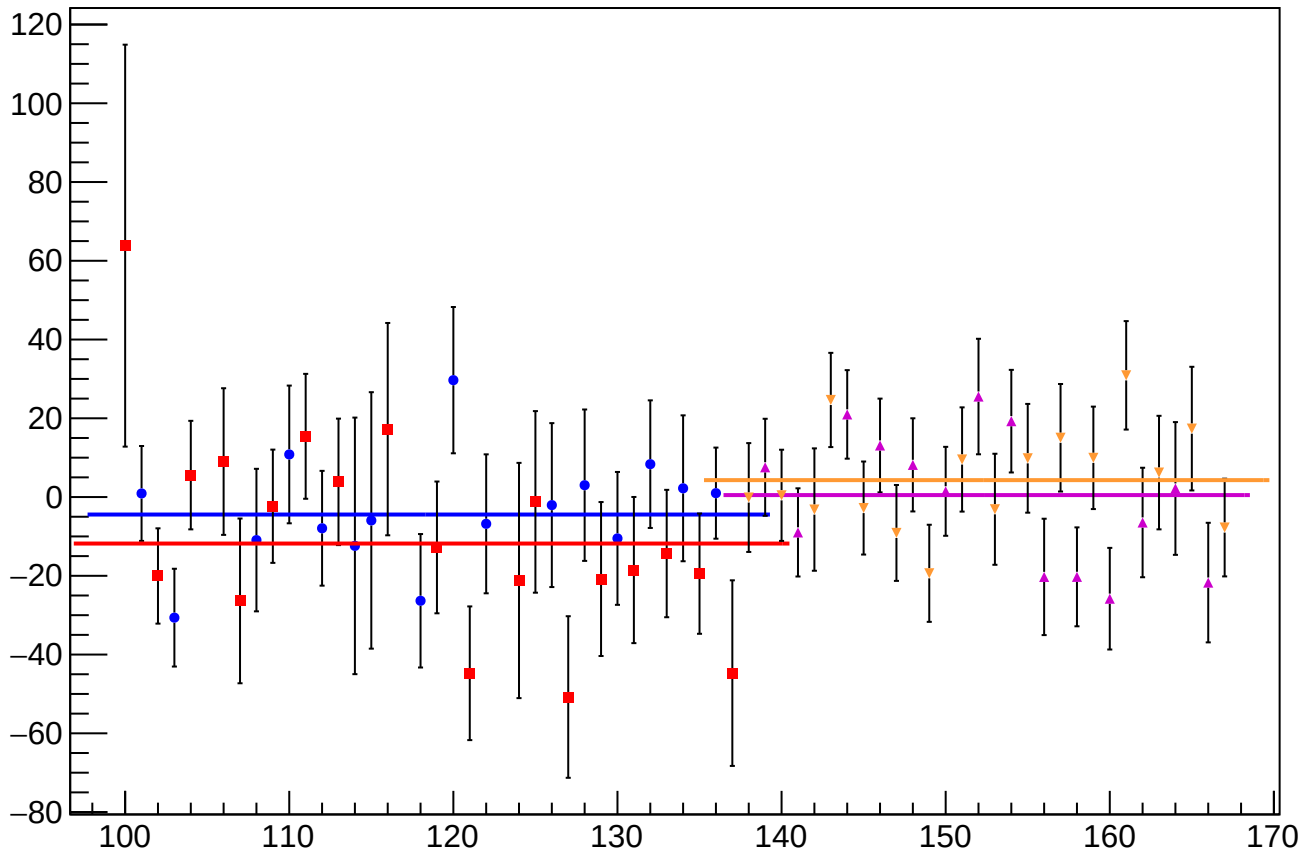
Left In: 21.308 $\pm$ 0.004 χ^2/NDF : 2339.1/13

+ sign 21.542 $\pm$ 0.003 χ^2/NDF : 24868.0/31

All: 21.500 $\pm$ 0.002 χ^2/NDF : 48731.7/64

- sign 21.456 $\pm$ 0.003 χ^2/NDF : 23552.0/32

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440 ± 4.131 χ^2/NDF : 12.0/15

Left Out: 4.296 ± 3.293 χ^2/NDF : 15.4/15

Right Out: -11.807 ± 4.097 χ^2/NDF : 21.7/18

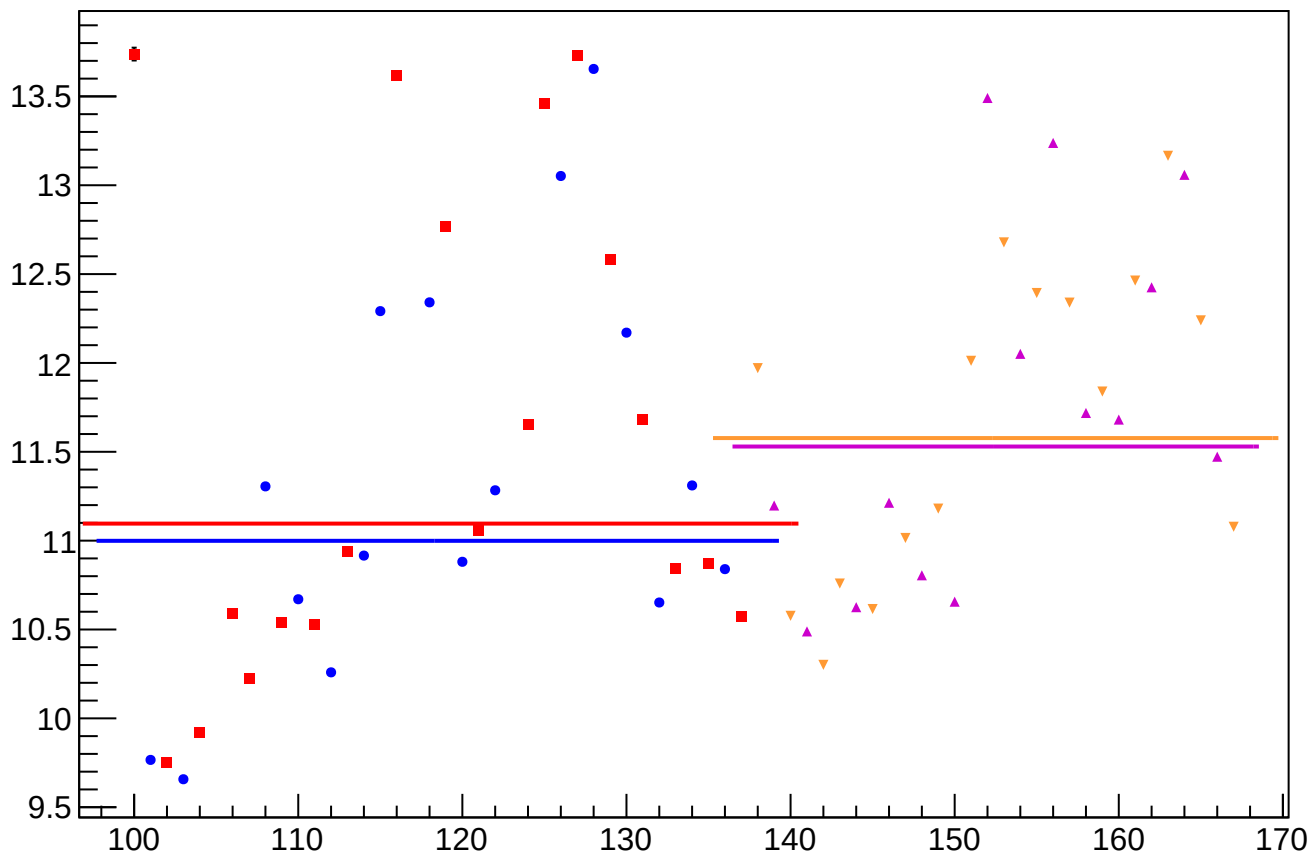
Left In: 0.499 ± 3.430 χ^2/NDF : 22.2/13

+ sign 0.901 ± 2.575 χ^2/NDF : 30.1/31

All: -1.777 ± 1.840 χ^2/NDF : 81.5/64

- sign -4.570 ± 2.630 χ^2/NDF : 49.2/32

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: 11.577 $\pm$ 0.002 χ^2/NDF :126753.8/15

Right Out: 11.096 $\pm$ 0.003 χ^2/NDF : 162908.7/18

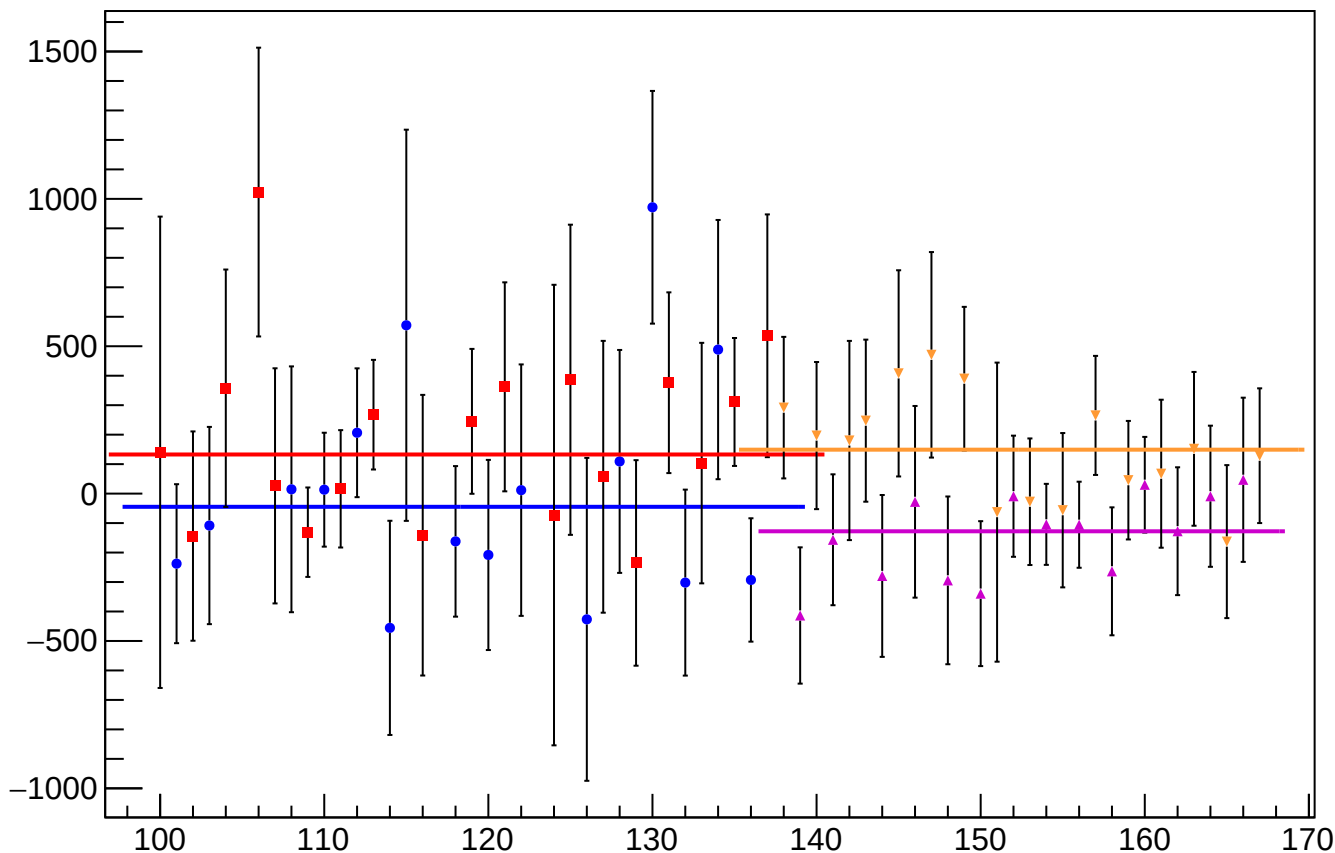
Left In: 11.530 $\pm$ 0.002 χ^2/NDF :143749.9/13

+ sign 11.353 $\pm$ 0.002 χ^2/NDF : 286872.6/31

All: 11.352 $\pm$ 0.001 χ^2/NDF : 606708.7/64

- sign 11.351 $\pm$ 0.002 χ^2/NDF : 319835.7/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -44.797 ± 76.424 χ^2/NDF : 15.4/15

Left Out: 149.062 ± 64.207 χ^2/NDF : 6.5/15

Right Out: 132.730 ± 68.270 χ^2/NDF : 12.9/18

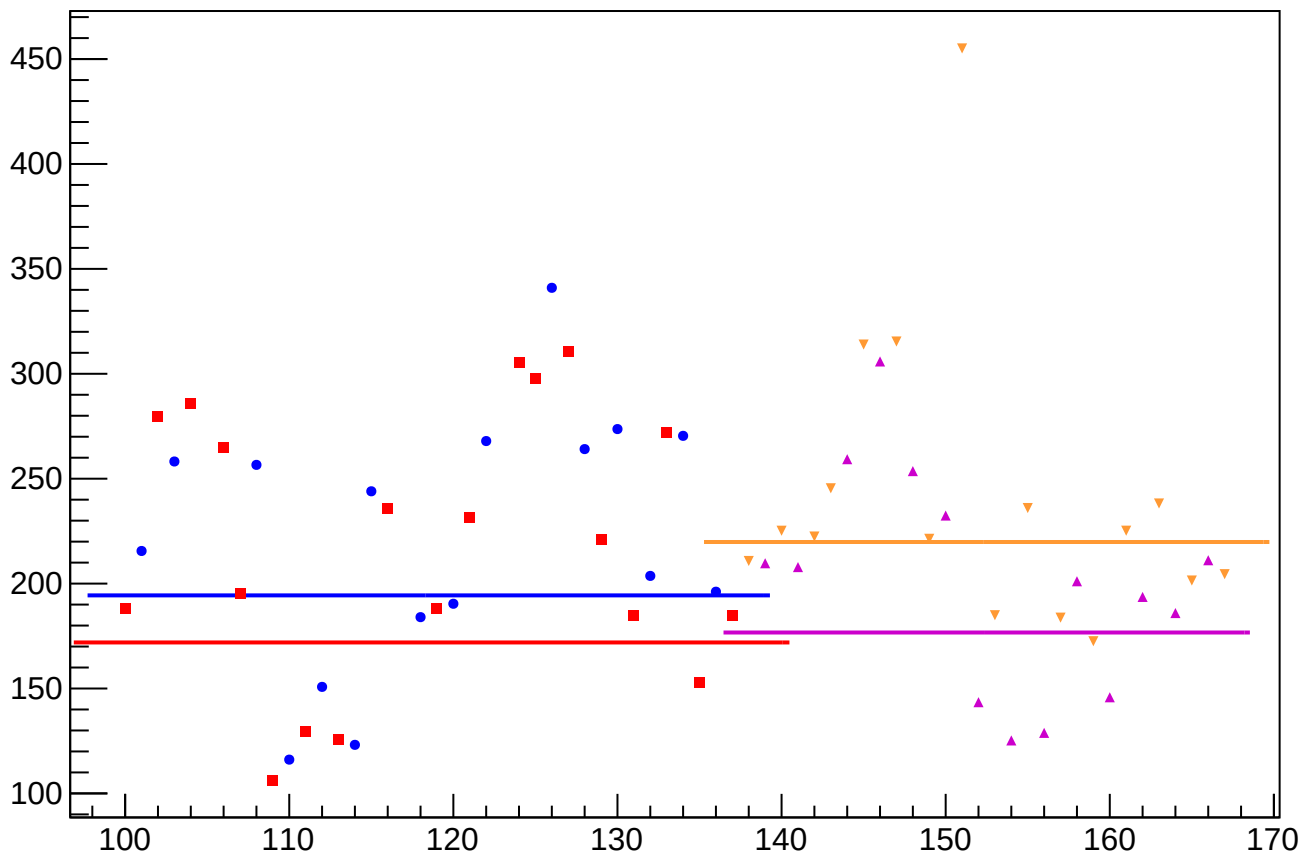
Left In: -127.863 ± 55.479 χ^2/NDF : 5.4/13

+ sign 68.847 ± 49.160 χ^2/NDF : 25.7/31

All: 16.181 ± 32.389 χ^2/NDF : 54.8/64

- sign -24.216 ± 43.055 χ^2/NDF : 27.0/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385 $\pm$ 0.054 χ^2 /NDF: 1042024.1/15

Left Out: 219.828 $\pm$ 0.045 χ^2 /NDF:1010886.2/15

Right Out: 171.949 $\pm$ 0.048 χ^2 /NDF: 1651343.7/18

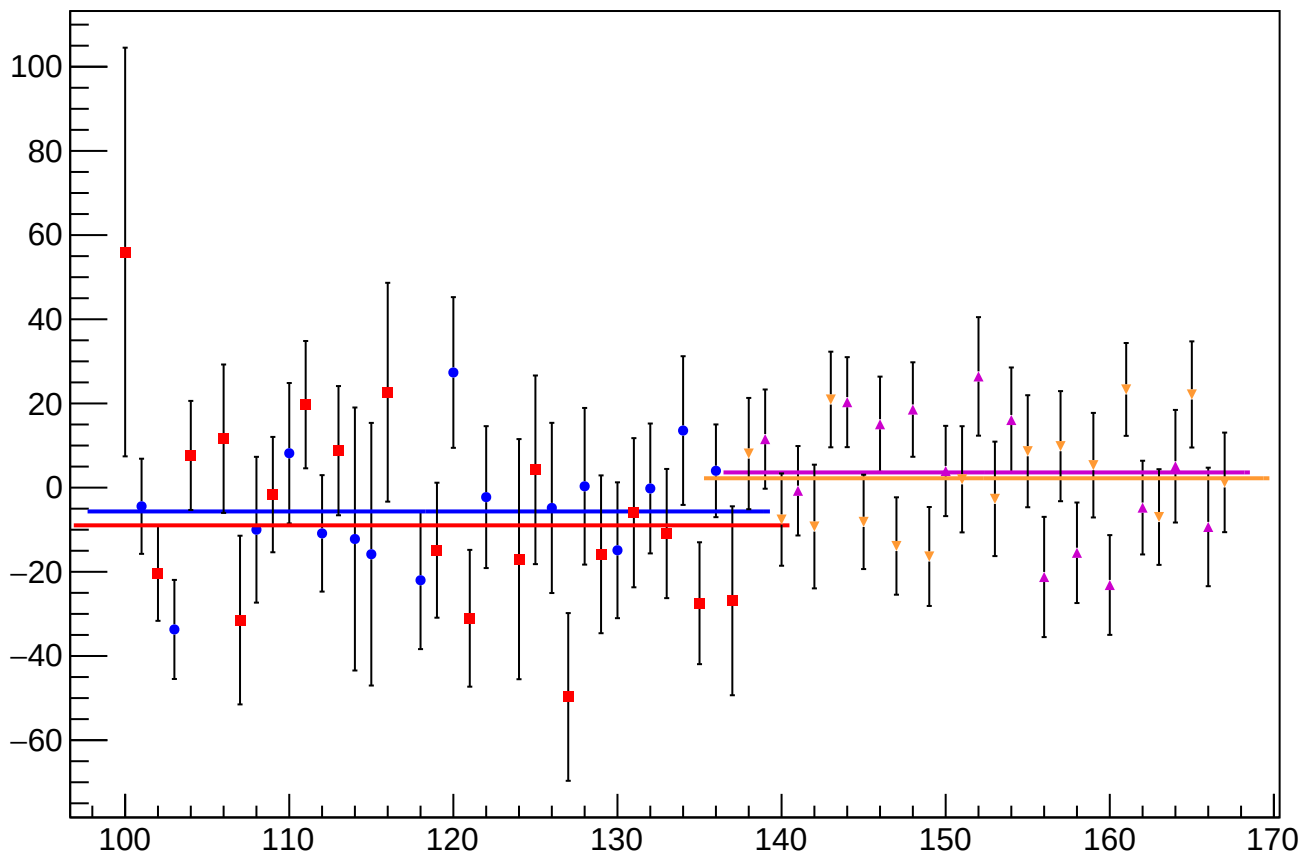
Left In: 176.690 $\pm$ 0.039 χ^2 /NDF:1516345.9/13

+ sign 209.300 $\pm$ 0.035 χ^2 /NDF: 2182860.0/31

All: 189.779 $\pm$ 0.023 χ^2 /NDF: 5913663.4/64

- sign 174.804 $\pm$ 0.030 χ^2 /NDF: 3173499.6/32

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657 ± 3.939 χ^2/NDF : 13.7/15

Left Out: 2.225 ± 3.041 χ^2/NDF : 17.2/15

Right Out: -8.960 ± 3.901 χ^2/NDF : 22.8/18

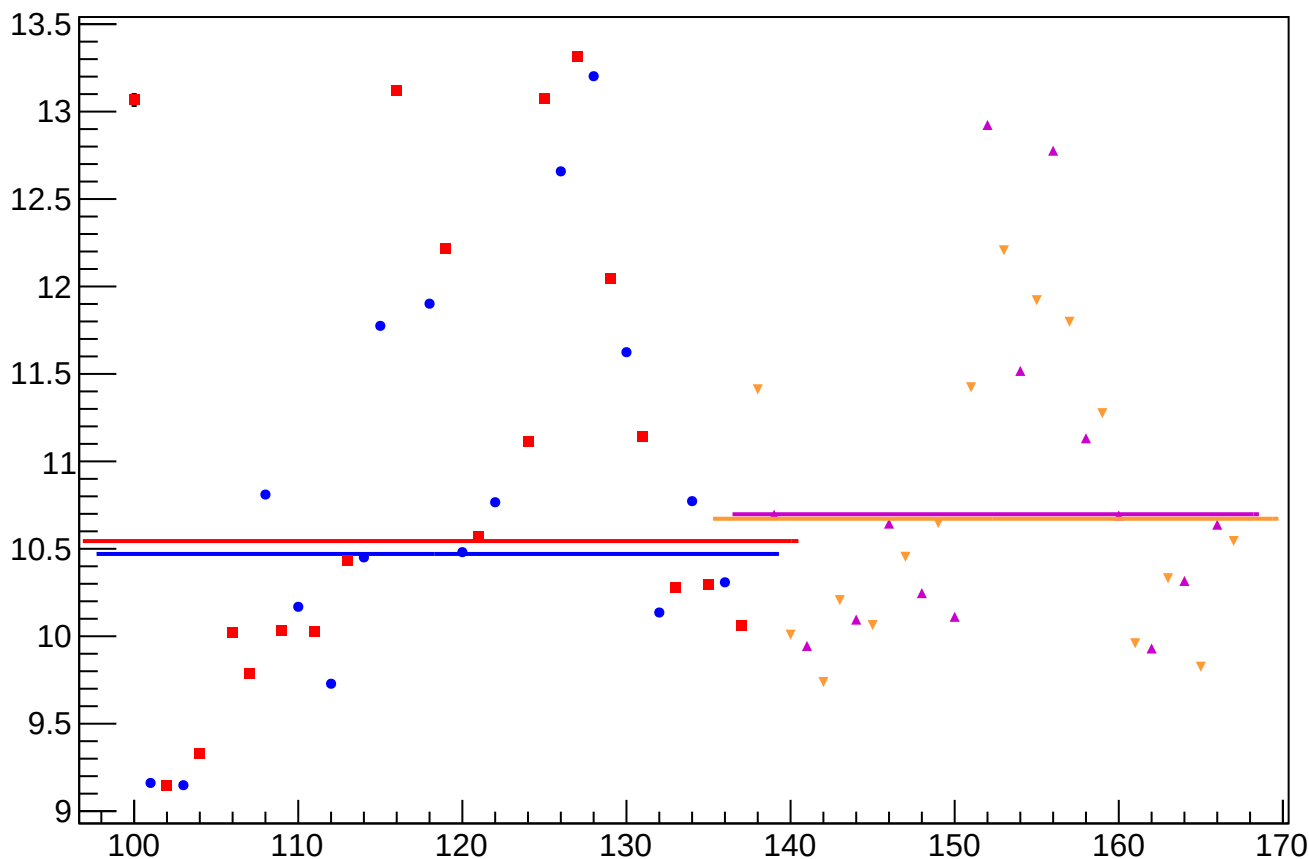
Left In: 3.612 ± 3.187 χ^2/NDF : 21.6/13

+ sign -0.718 ± 2.407 χ^2/NDF : 33.4/31

All: -1.060 ± 1.723 χ^2/NDF : 84.0/64

- sign -1.420 ± 2.468 χ^2/NDF : 50.6/32

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471 $\pm$ 0.003 χ^2 /NDF: 157365.8/15

Left Out: 10.672 $\pm$ 0.002 χ^2 /NDF: 120741.0/15

Right Out: 10.544 $\pm$ 0.003 χ^2 /NDF: 186780.3/18

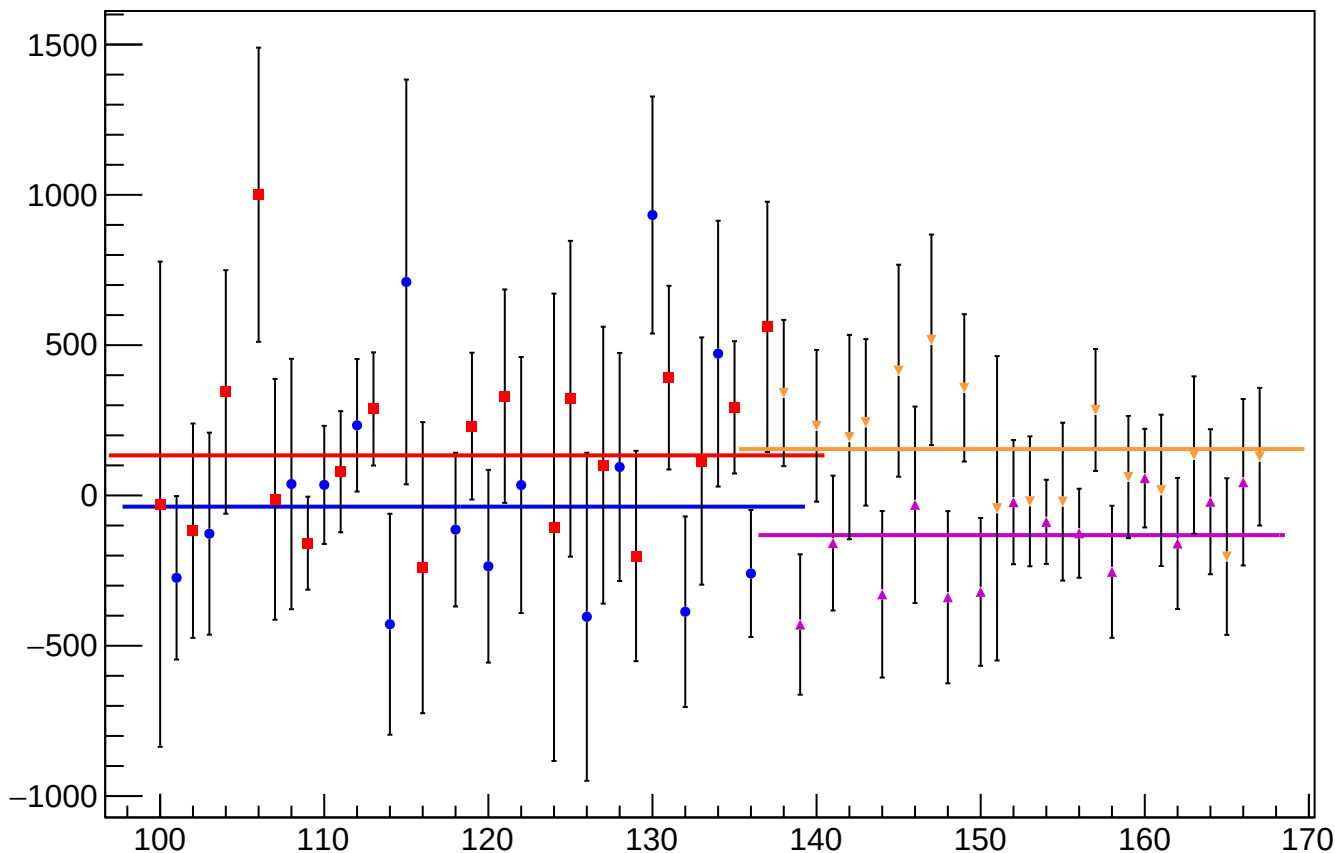
Left In: 10.698 $\pm$ 0.002 χ^2 /NDF: 140451.4/13

+ sign 10.597 $\pm$ 0.002 χ^2 /NDF: 281381.1/31

All: 10.616 $\pm$ 0.001 χ^2 /NDF: 610730.0/64

- sign 10.636 $\pm$ 0.002 χ^2 /NDF: 329085.5/32

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: 154.270 ± 64.595 χ^2/NDF : 7.2/15

Right Out: 133.386 ± 68.885 χ^2/NDF : 12.9/18

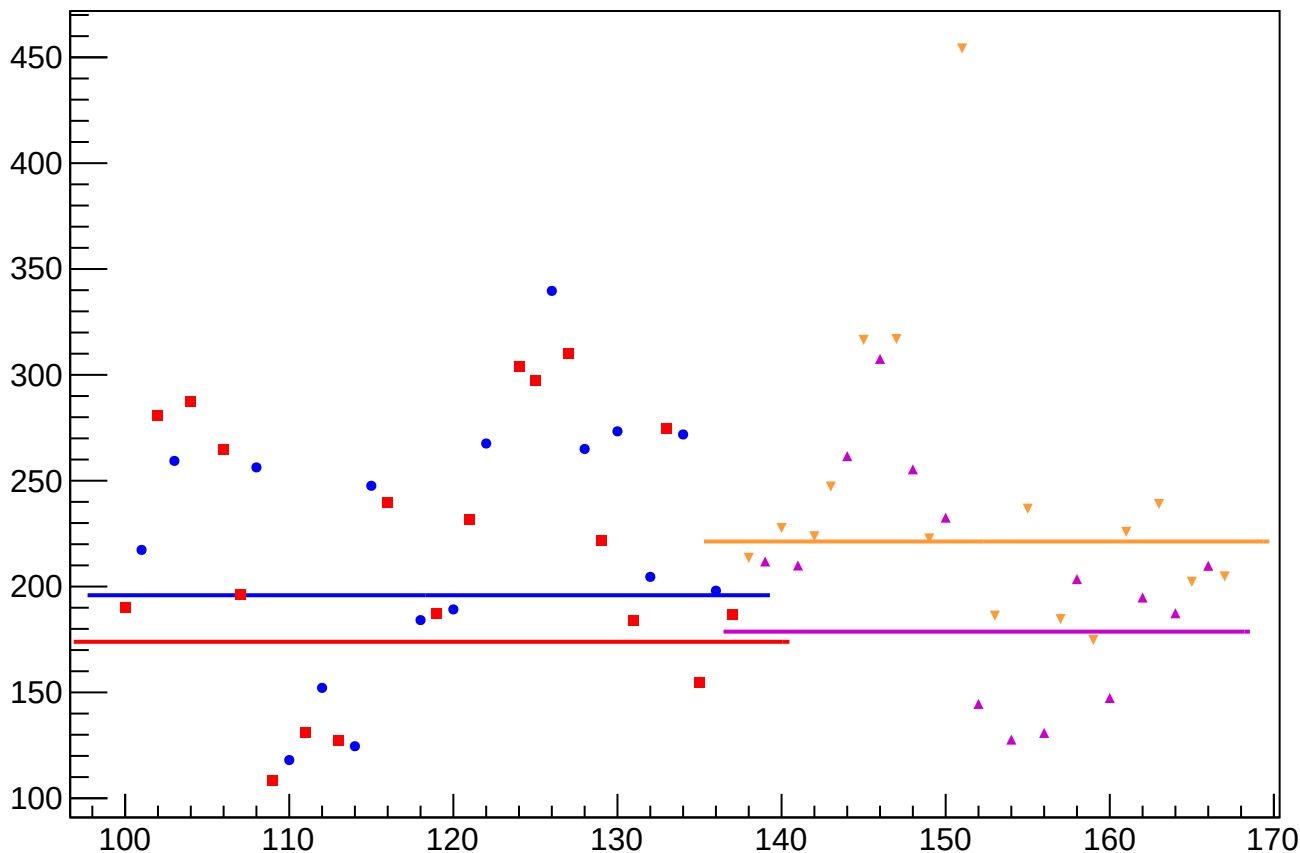
Left In: -131.923 ± 56.028 χ^2/NDF : 6.0/13

+ sign 75.062 ± 49.465 χ^2/NDF : 26.5/31

All: 17.871 ± 32.651 χ^2/NDF : 56.7/64

- sign -26.290 ± 43.466 χ^2/NDF : 27.8/32

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF : 1011012.3/15

Left Out: 221.284+/-0.046 χ^2/NDF : 999553.1/15

Right Out: 173.901+/-0.049 χ^2/NDF : 1599608.1/18

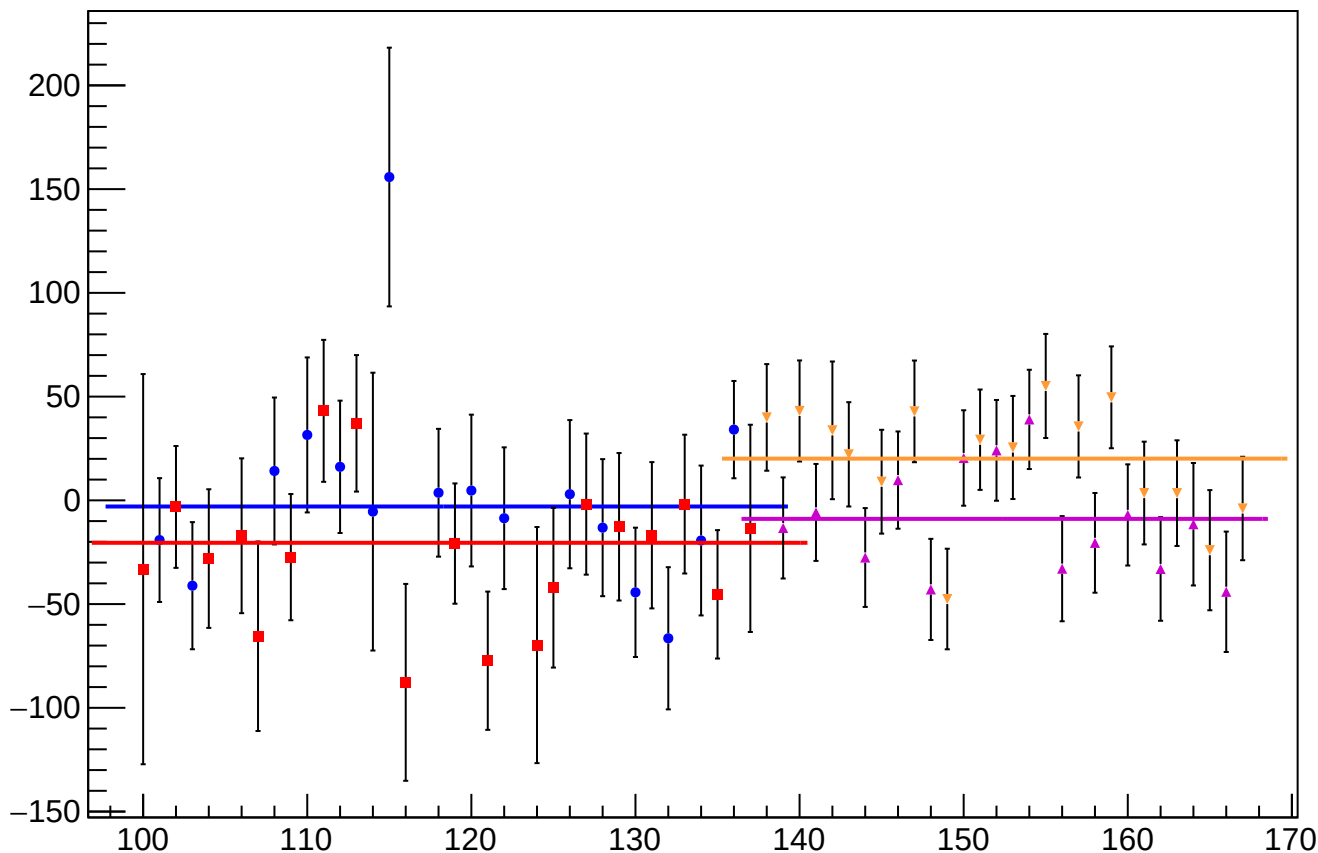
Left In: 178.704+/-0.040 χ^2/NDF : 1474270.2/13

+ sign 210.785+/-0.035 χ^2/NDF : 2138305.1/31

All: 191.603+/-0.023 χ^2/NDF : 5751012.3/64

- sign 176.792+/-0.031 χ^2/NDF : 3079729.4/32

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: 20.110 ± 6.342 χ^2/NDF : 18.6/15

Right Out: -20.457 ± 8.292 χ^2/NDF : 15.3/18

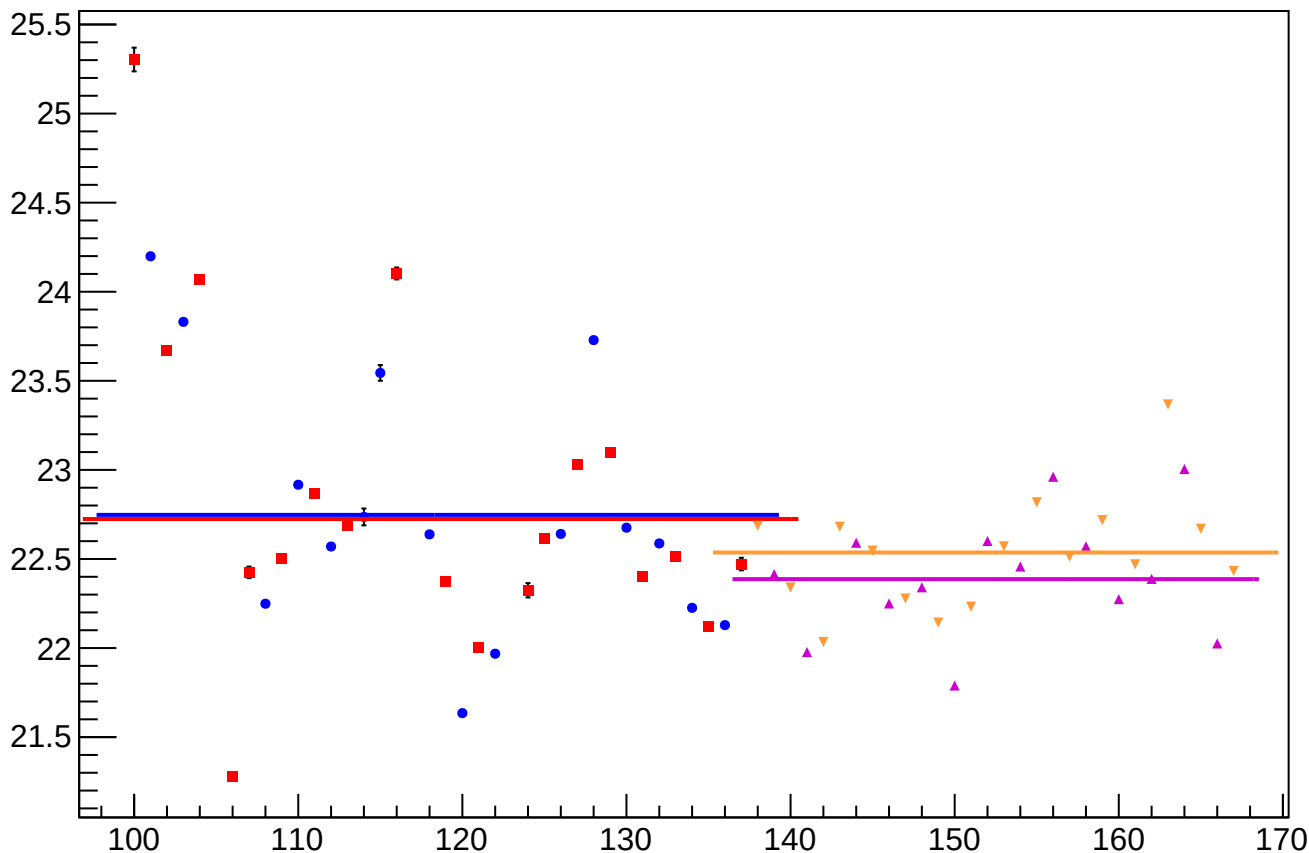
Left In: -8.934 ± 6.590 χ^2/NDF : 14.3/13

+ sign 11.799 ± 5.073 χ^2/NDF : 41.3/31

All: -0.586 ± 3.617 χ^2/NDF : 84.2/64

- sign -13.395 ± 5.159 χ^2/NDF : 30.8/32

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: 22.536 $\pm$ 0.004 χ^2 /NDF: 4379.4/15

Right Out: 22.724 $\pm$ 0.006 χ^2 /NDF: 14490.6/18

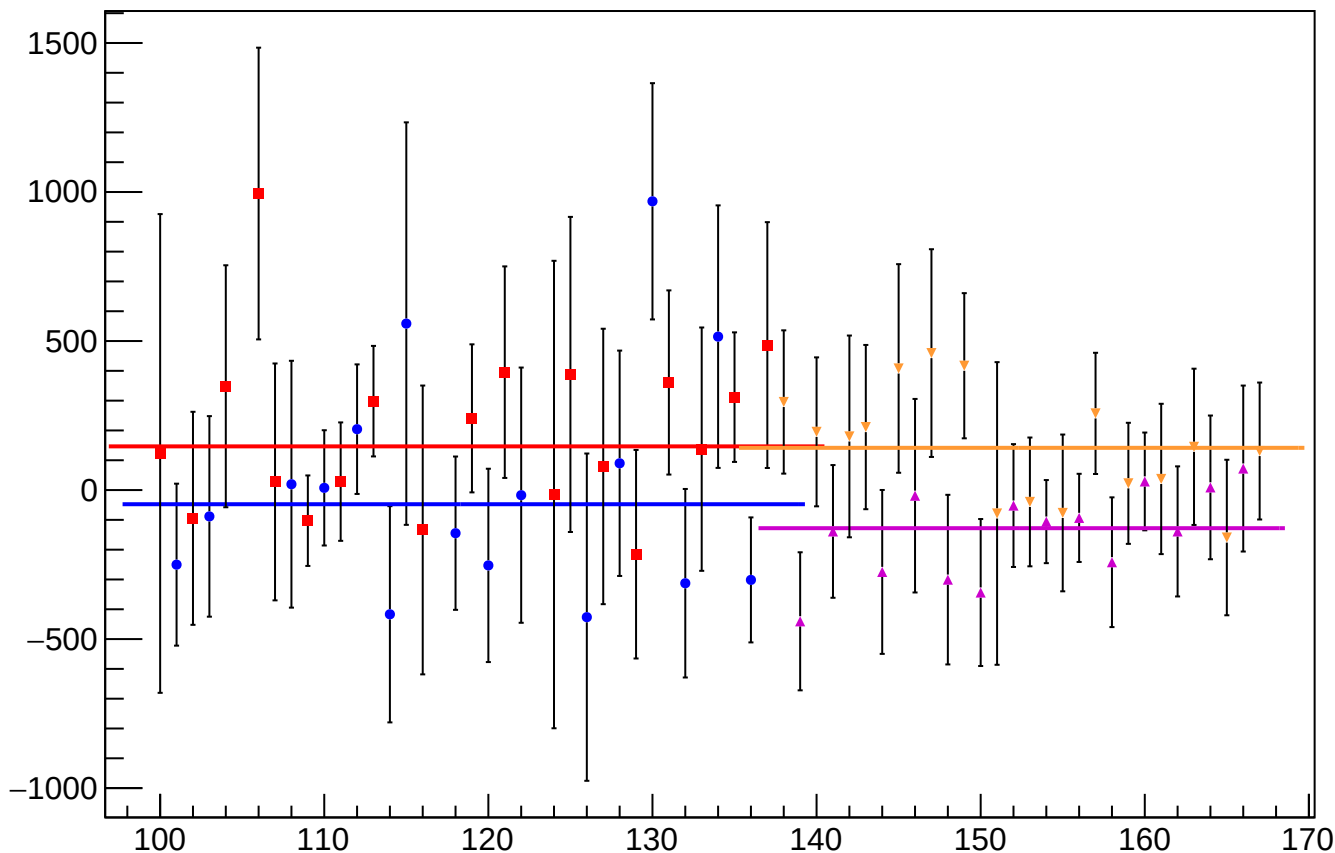
Left In: 22.387 $\pm$ 0.005 χ^2 /NDF: 4733.0/13

+ sign 22.612 $\pm$ 0.004 χ^2 /NDF: 19800.3/31

All: 22.566 $\pm$ 0.003 χ^2 /NDF: 41399.2/64

- sign 22.517 $\pm$ 0.004 χ^2 /NDF: 21254.3/32

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: 141.682 ± 64.472 χ^2/NDF : 7.0/15

Right Out: 146.573 ± 68.398 χ^2/NDF : 11.6/18

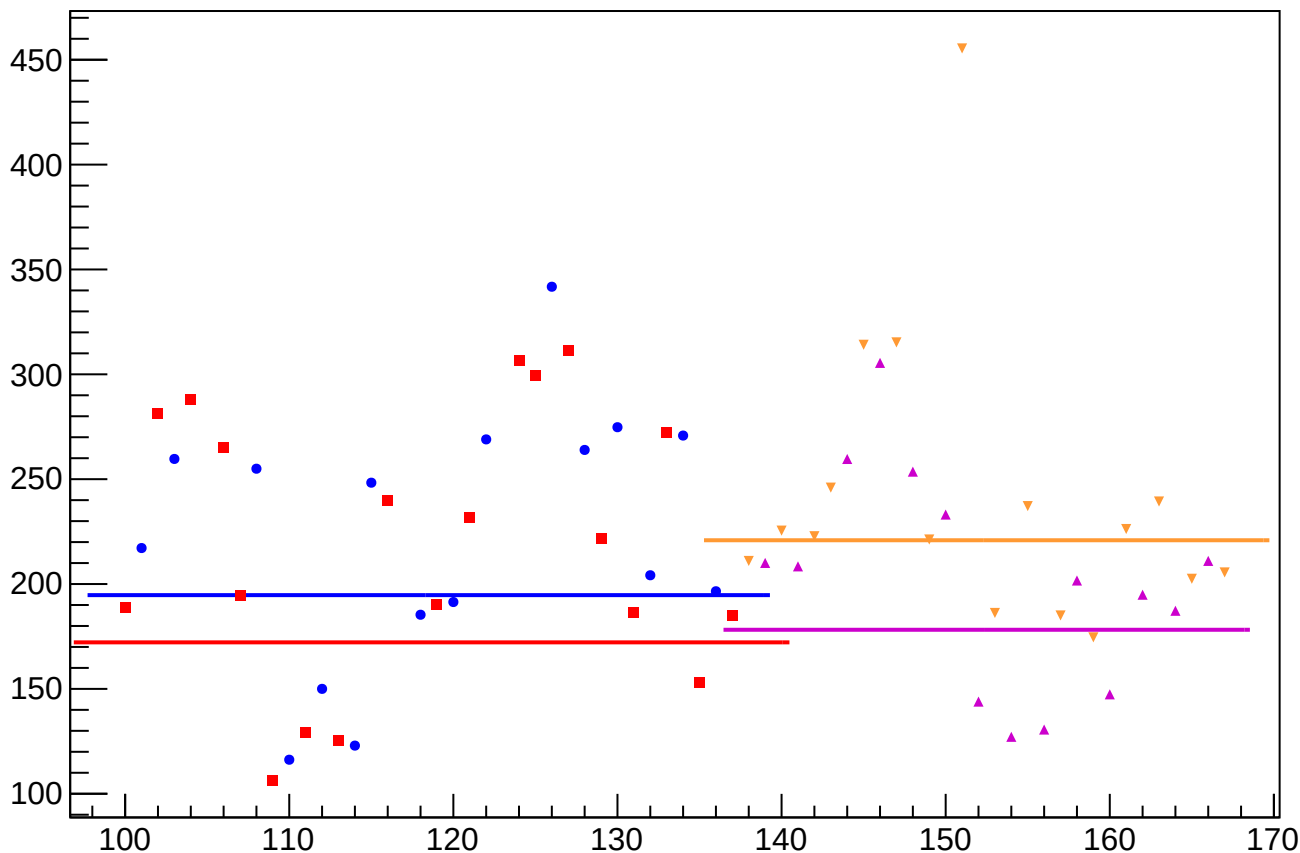
Left In: -127.929 ± 55.868 χ^2/NDF : 5.6/13

+ sign 63.192 ± 49.318 χ^2/NDF : 25.9/31

All: 17.269 ± 32.525 χ^2/NDF : 54.3/64

- sign -18.079 ± 43.268 χ^2/NDF : 26.8/32

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: 220.875 $\pm$ 0.046 χ^2 /NDF:990859.6/15

Right Out: 172.186 $\pm$ 0.048 χ^2 /NDF: 1671068.3/18

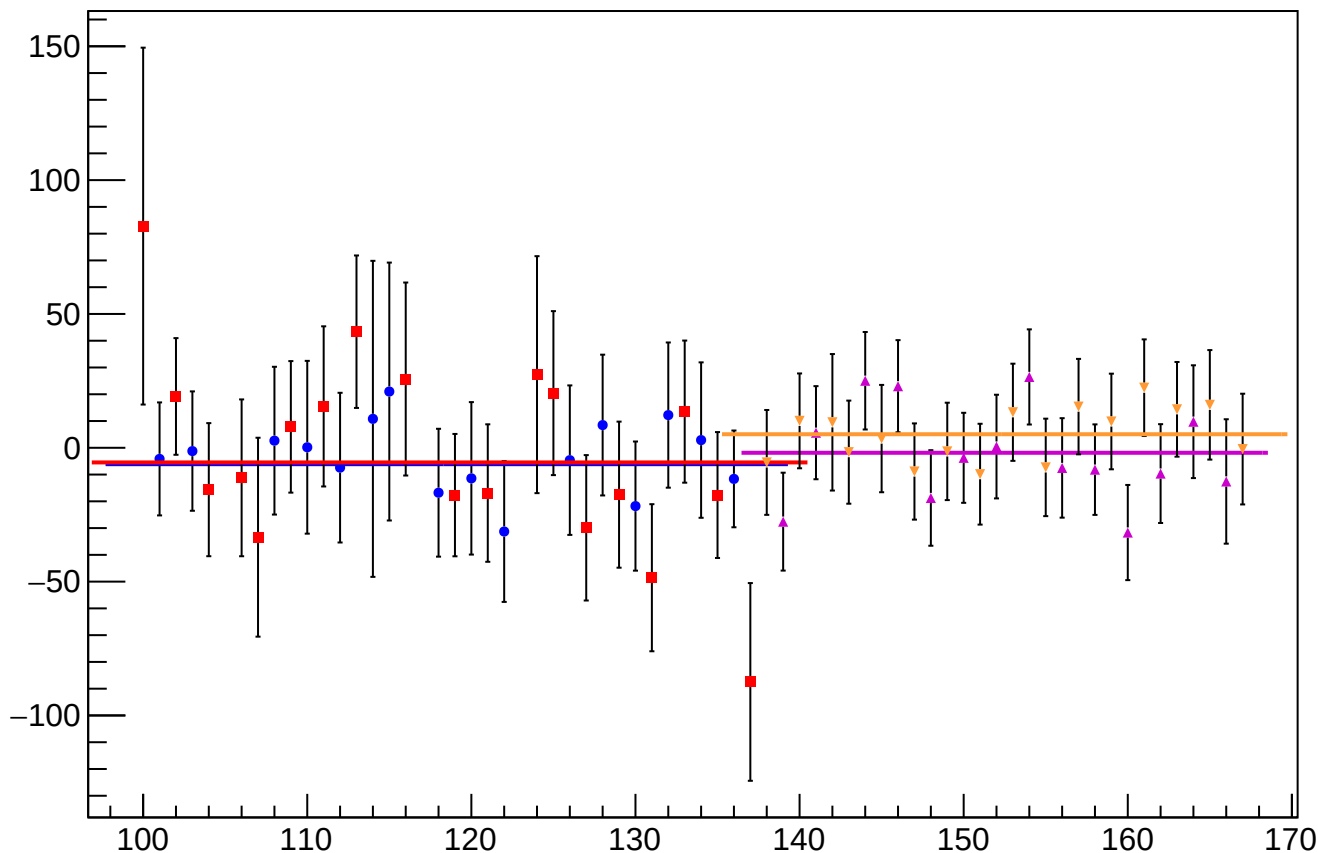
Left In: 178.190 $\pm$ 0.040 χ^2 /NDF:1463579.0/13

+ sign 210.020 $\pm$ 0.035 χ^2 /NDF: 2179817.0/31

All: 190.676 $\pm$ 0.023 χ^2 /NDF: 5868198.6/64

- sign 175.787 $\pm$ 0.031 χ^2 /NDF: 3143889.5/32

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.119 $\pm$ 6.592 χ^2/NDF : 3.1/15

Left Out: 5.063 $\pm$ 4.726 χ^2/NDF : 4.5/15

Right Out: -5.470 $\pm$ 6.509 χ^2/NDF : 19.2/18

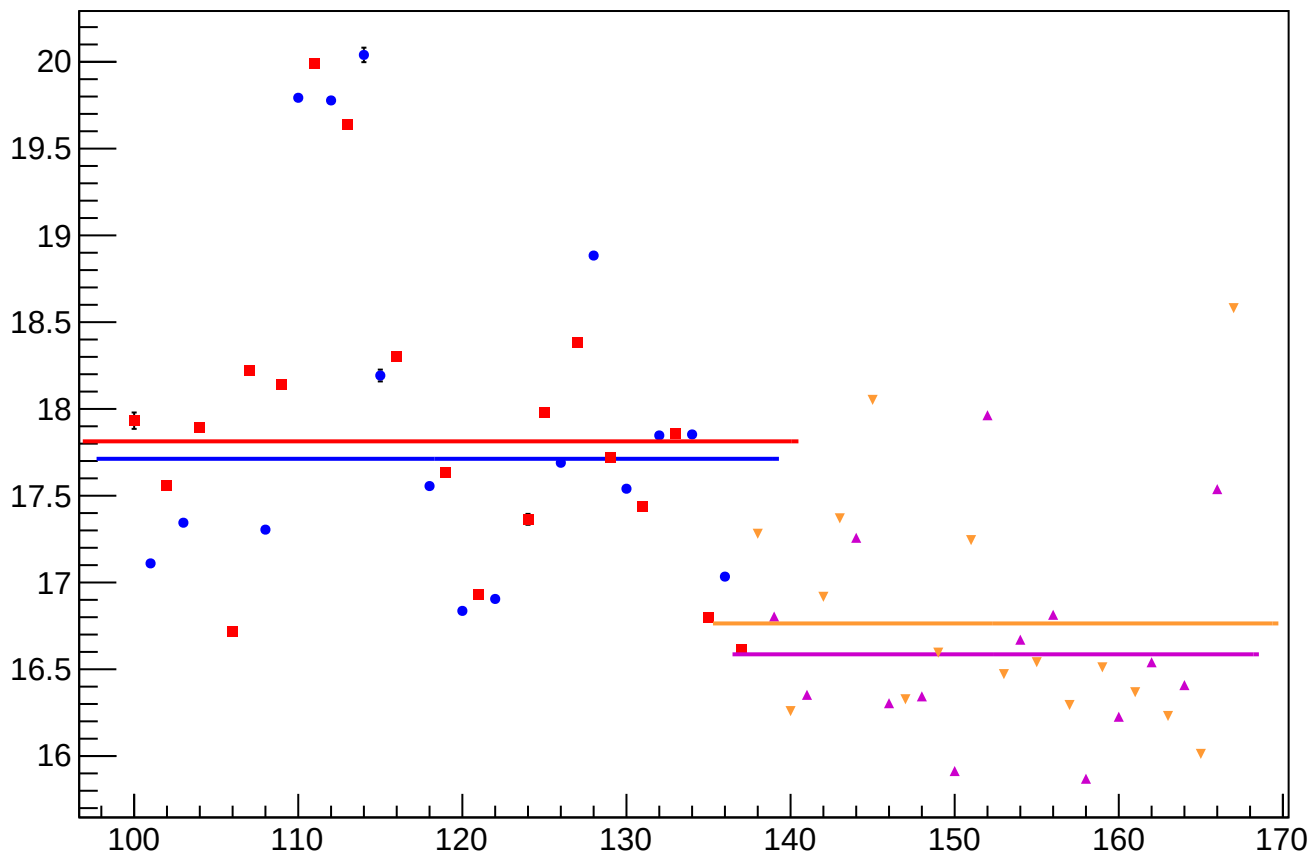
Left In: -1.863 $\pm$ 4.892 χ^2/NDF : 13.6/13

+ sign 1.267 $\pm$ 3.841 χ^2/NDF : 9.5/31

All: -0.909 $\pm$ 2.740 χ^2/NDF : 43.2/64

- sign -3.165 $\pm$ 3.911 χ^2/NDF : 33.0/32

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713 ± 0.005 $\chi^2/\text{NDF}: 35983.5/15$

Left Out: 16.764 ± 0.003 $\chi^2/\text{NDF}: 39494.8/15$

Right Out: 17.813 ± 0.005 $\chi^2/\text{NDF}: 32713.6/18$

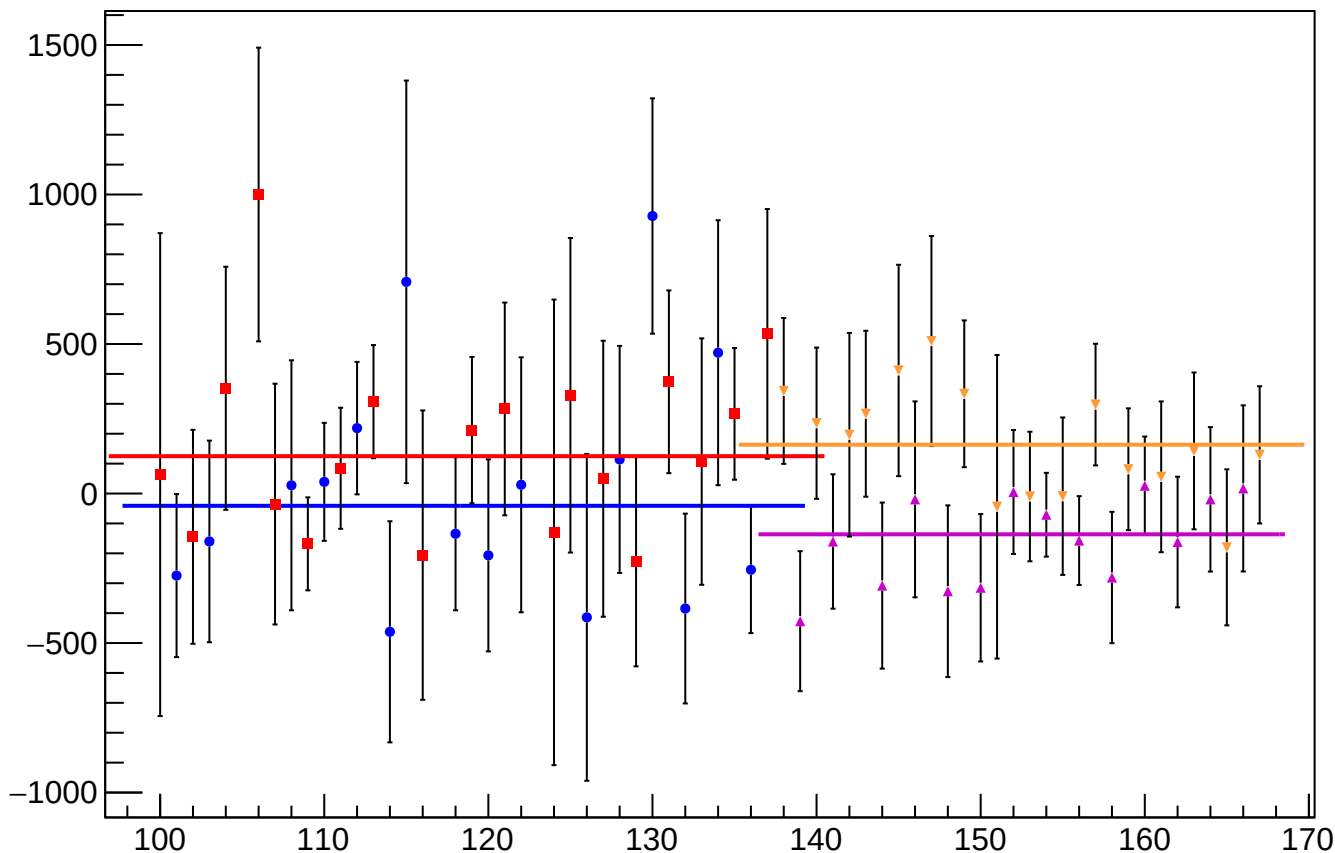
Left In: 16.586 ± 0.003 $\chi^2/\text{NDF}: 25851.2/13$

+ sign 17.086 ± 0.003 $\chi^2/\text{NDF}: 102830.8/31$

All: 17.058 ± 0.002 $\chi^2/\text{NDF}: 207038.1/64$

- sign 17.029 ± 0.003 $\chi^2/\text{NDF}: 103991.1/32$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114 $\pm$ 77.139 χ^2 /NDF: 15.6/15

Left Out: 163.293 $\pm$ 64.737 χ^2 /NDF: 6.5/15

Right Out: 124.872 $\pm$ 69.109 χ^2 /NDF: 12.9/18

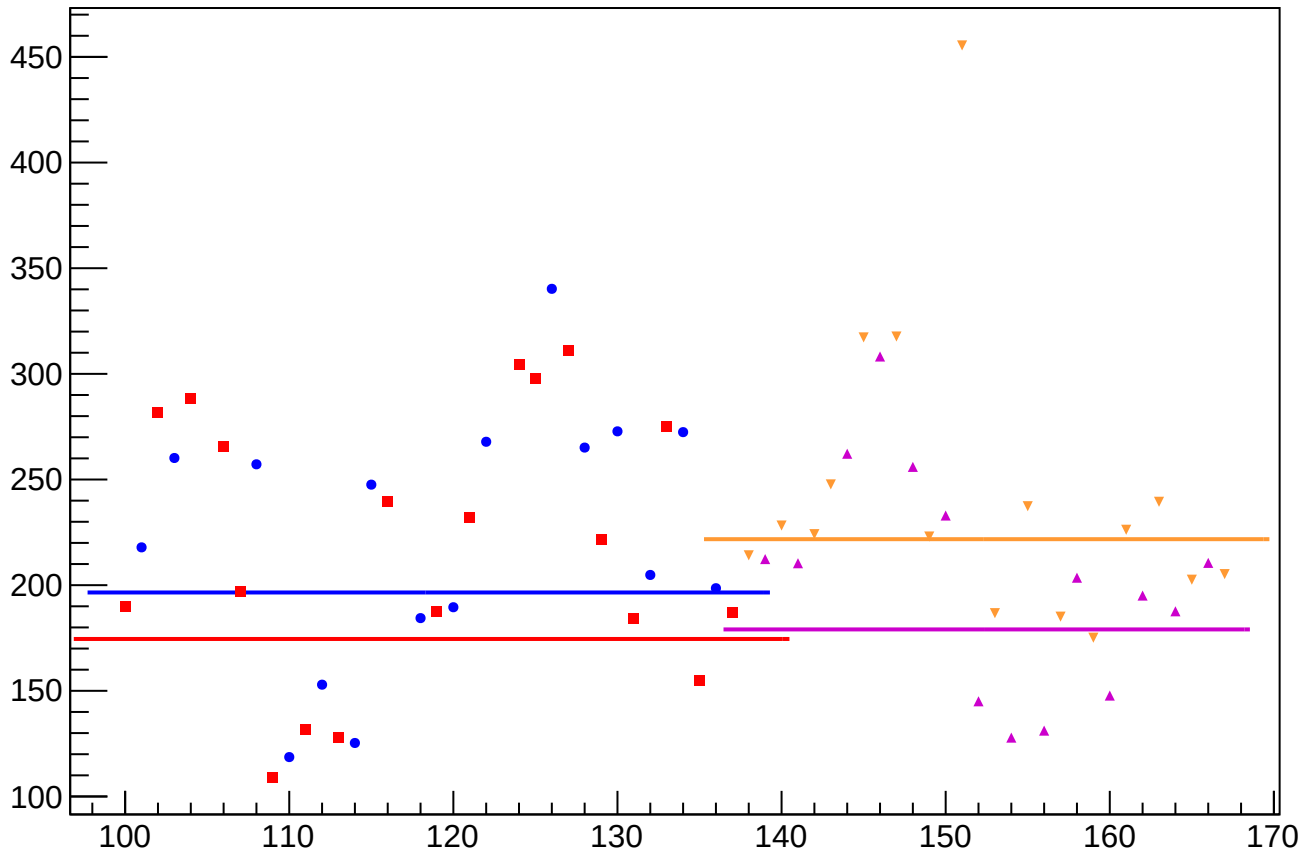
Left In: -136.417 $\pm$ 56.140 χ^2 /NDF: 5.7/13

+ sign 78.822 $\pm$ 49.588 χ^2 /NDF: 26.2/31

All: 15.982 $\pm$ 32.733 χ^2 /NDF: 56.3/64

- sign -32.540 $\pm$ 43.574 χ^2 /NDF: 27.2/32

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: 221.766 $\pm$ 0.046 χ^2 /NDF: 999731.3/15

+ sign 211.342 $\pm$ 0.035 χ^2 /NDF: 2125975.7/31

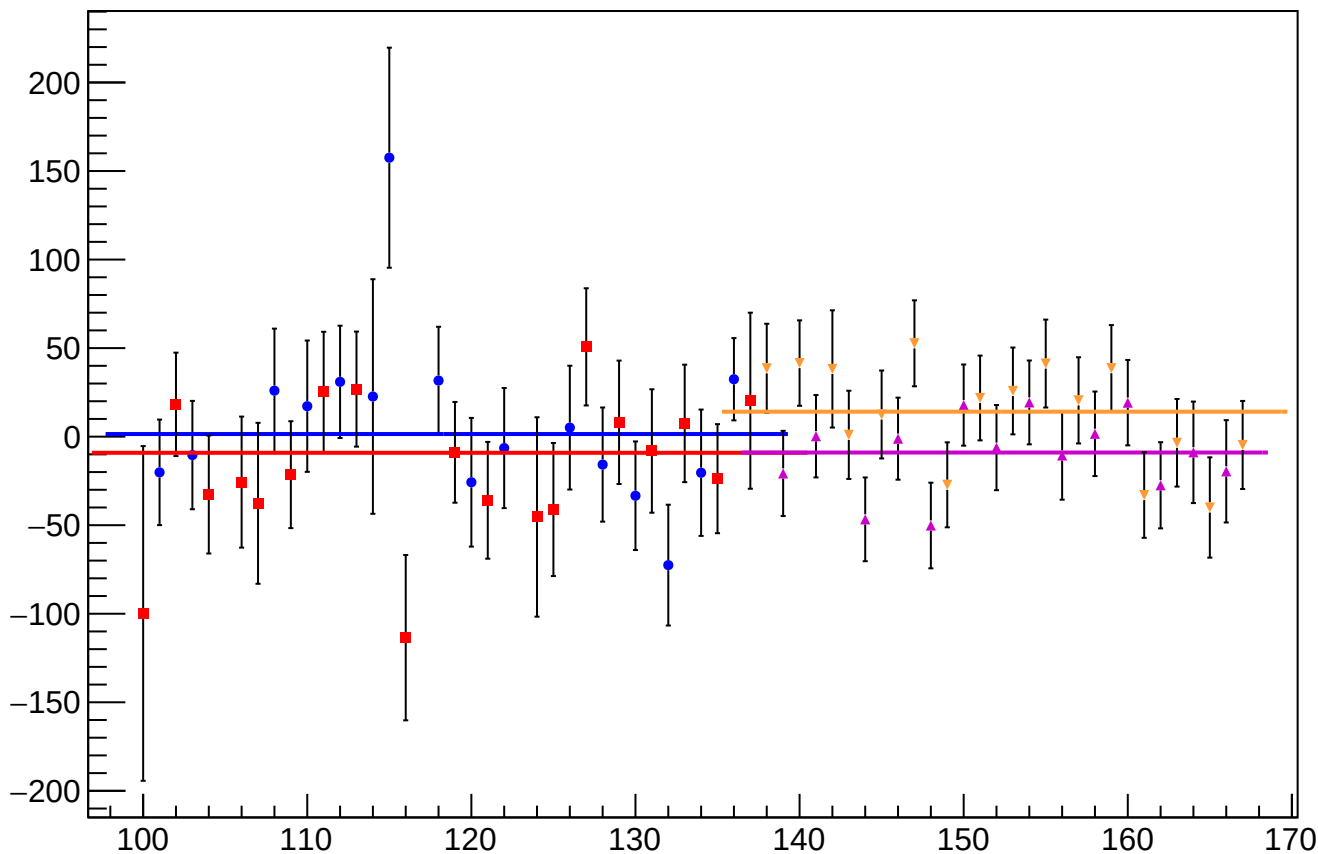
Right Out: 174.540 $\pm$ 0.049 χ^2 /NDF: 1588725.2/18

All: 192.111 $\pm$ 0.023 χ^2 /NDF: 5727120.9/64

Left In: 179.058 $\pm$ 0.040 χ^2 /NDF: 1474198.2/13

- sign 177.262 $\pm$ 0.031 χ^2 /NDF: 3068072.6/32

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: 14.108 ± 6.261 χ^2/NDF : 19.7/15

Right Out: -9.113 ± 8.198 χ^2/NDF : 16.5/18

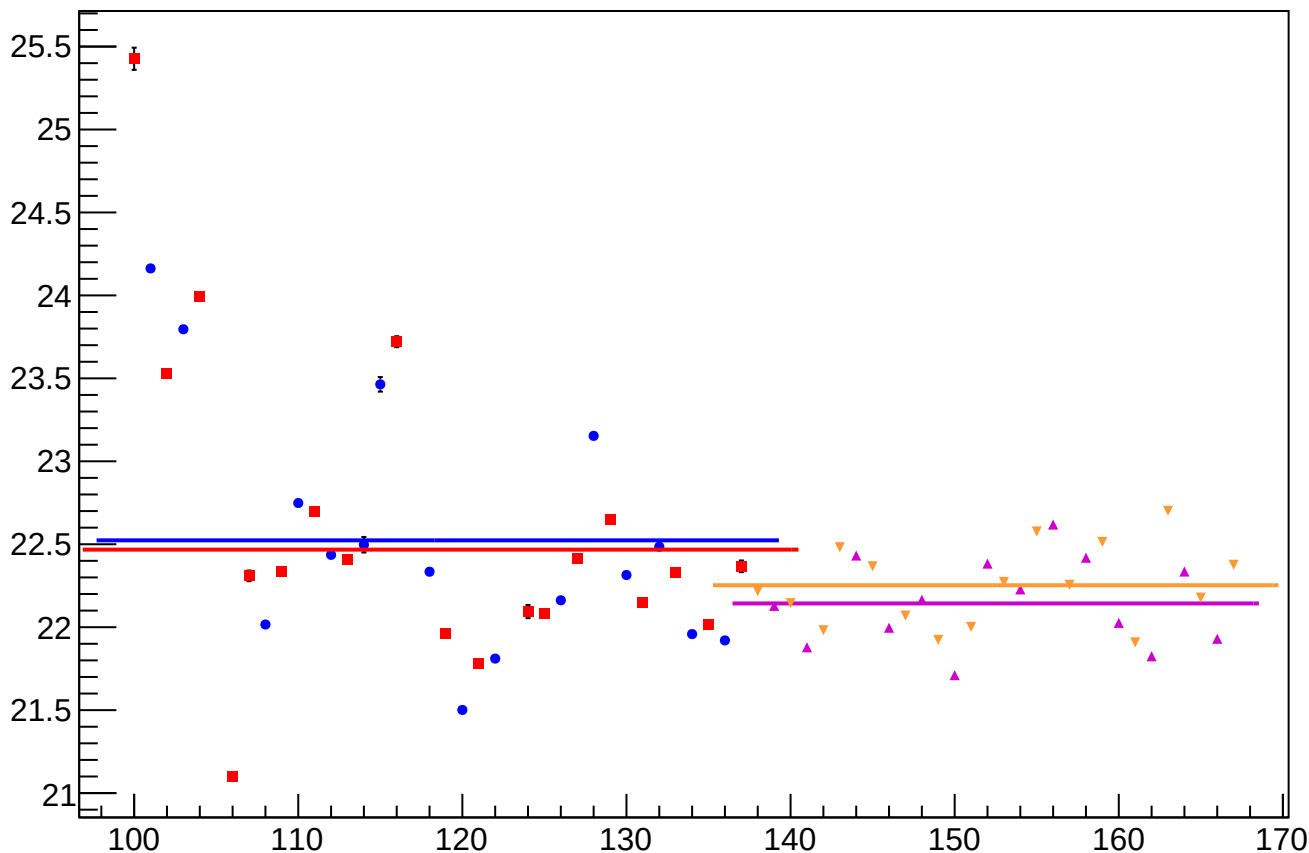
Left In: -8.962 ± 6.518 χ^2/NDF : 11.0/13

+ sign 9.576 ± 5.014 χ^2/NDF : 39.8/31

All: 0.439 ± 3.576 χ^2/NDF : 74.1/64

- sign -9.021 ± 5.102 χ^2/NDF : 27.5/32

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2 /NDF: 15947.8/15

Left Out: 22.253+/-0.004 χ^2 /NDF: 2801.7/15

Right Out: 22.468+/-0.006 χ^2 /NDF: 15626.5/18

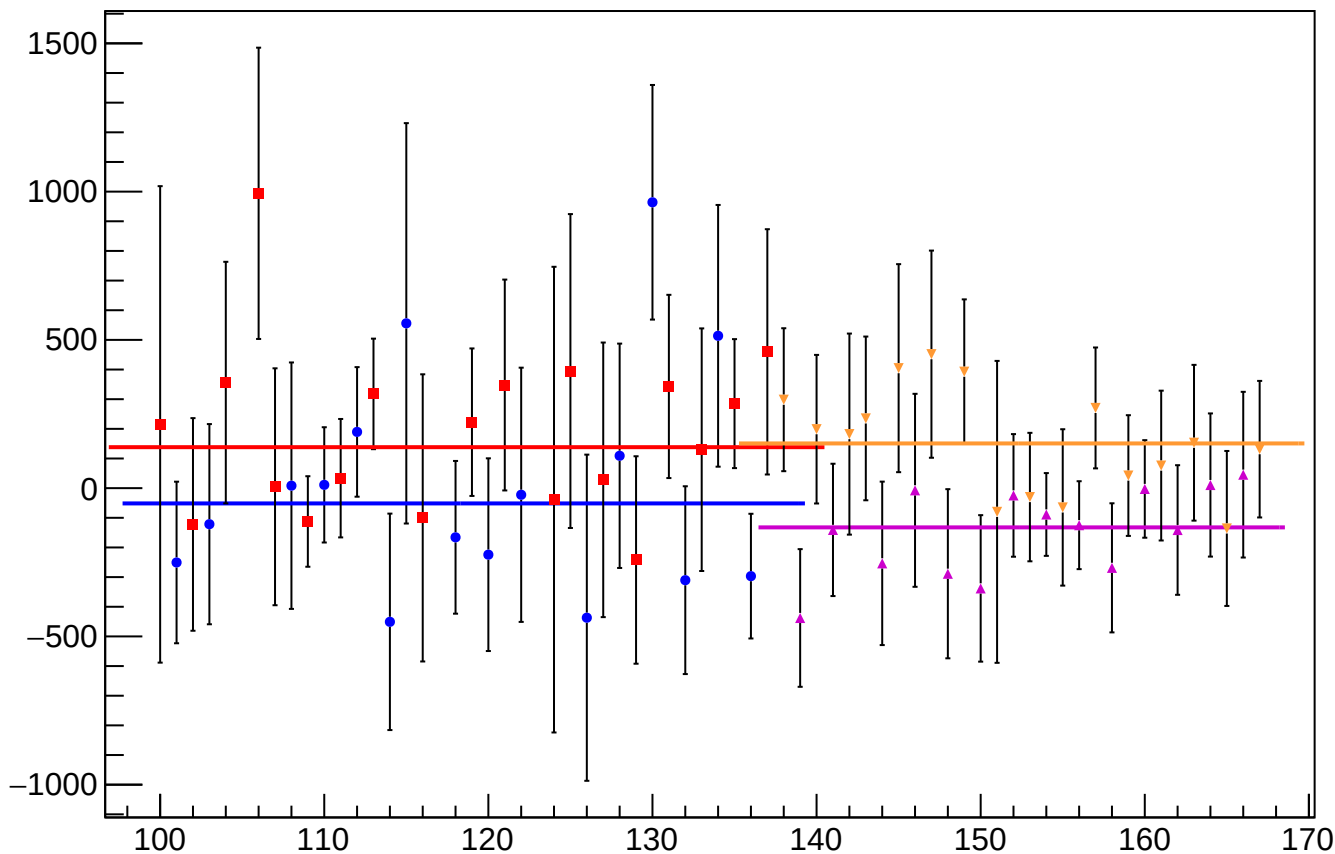
Left In: 22.143+/-0.005 χ^2 /NDF: 3156.0/13

+ sign 22.350+/-0.004 χ^2 /NDF: 20091.4/31

All: 22.310+/-0.003 χ^2 /NDF: 41050.5/64

- sign 22.269+/-0.004 χ^2 /NDF: 20701.7/32

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: 150.793 ± 64.613 $\chi^2/\text{NDF}: 6.3/15$

Right Out: 138.184 ± 68.625 $\chi^2/\text{NDF}: 11.6/18$

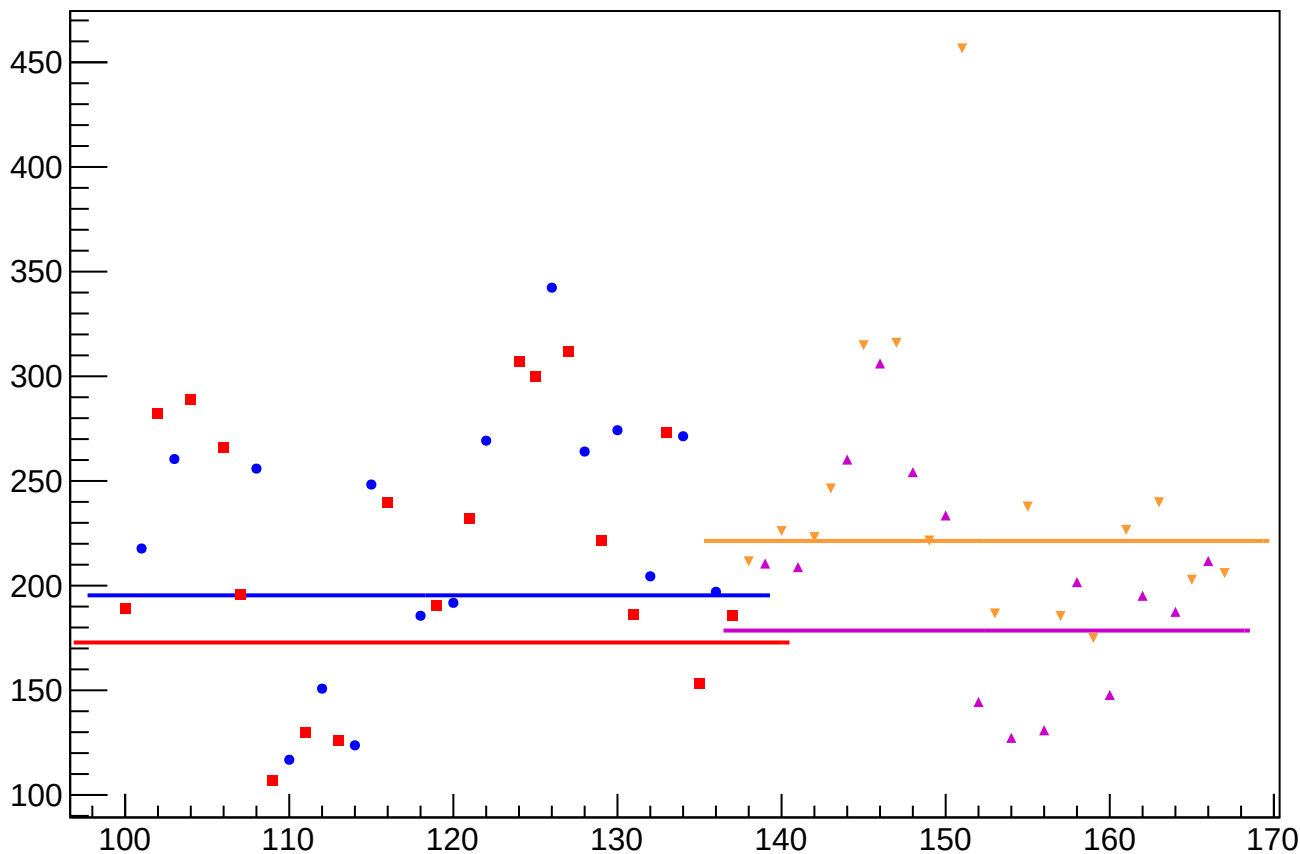
Left In: -132.311 ± 55.979 $\chi^2/\text{NDF}: 5.2/13$

+ sign 66.952 ± 49.442 $\chi^2/\text{NDF}: 25.7/31$

All: 15.425 ± 32.607 $\chi^2/\text{NDF}: 53.7/64$

- sign -24.236 ± 43.377 $\chi^2/\text{NDF}: 26.1/32$

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: 221.356 $\pm$ 0.046 χ^2 /NDF:991039.2/15

Right Out: 172.837 $\pm$ 0.049 χ^2 /NDF: 1659430.2/18

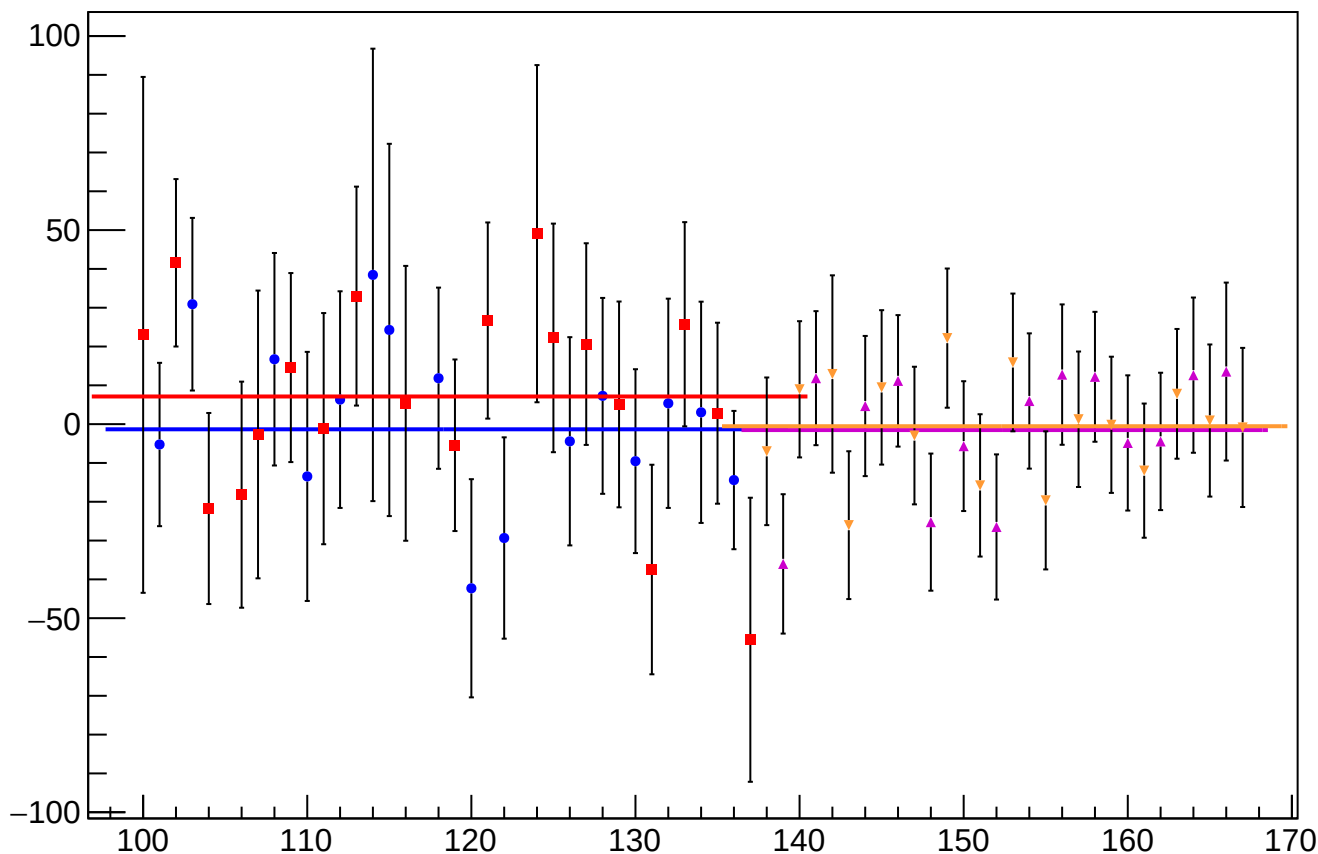
Left In: 178.541 $\pm$ 0.040 χ^2 /NDF:1463630.0/13

+ sign 210.582 $\pm$ 0.035 χ^2 /NDF: 2166643.5/31

All: 191.189 $\pm$ 0.023 χ^2 /NDF: 5842538.9/64

- sign 176.262 $\pm$ 0.031 χ^2 /NDF: 3131356.4/32

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.331 ± 6.499 χ^2/NDF : 8.0/15

Left Out: -0.538 ± 4.619 χ^2/NDF : 7.8/15

Right Out: 7.126 ± 6.402 χ^2/NDF : 14.4/18

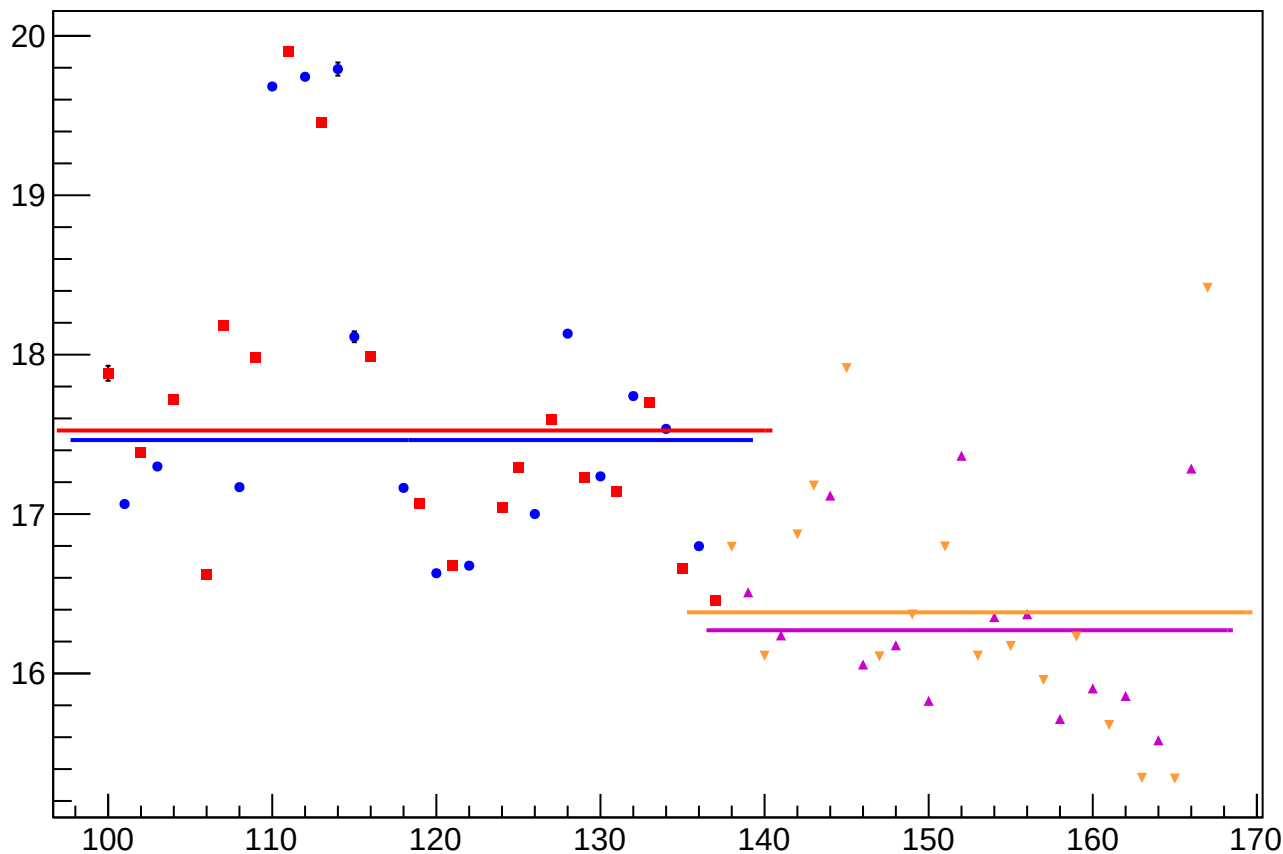
Left In: -1.526 ± 4.797 χ^2/NDF : 11.1/13

+ sign -0.804 ± 3.765 χ^2/NDF : 15.8/31

All: 0.367 ± 2.688 χ^2/NDF : 42.7/64

- sign 1.586 ± 3.839 χ^2/NDF : 26.7/32

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: 16.383 $\pm$ 0.003 χ^2 /NDF: 57540.8/15

Right Out: 17.524 $\pm$ 0.005 χ^2 /NDF: 34726.0/18

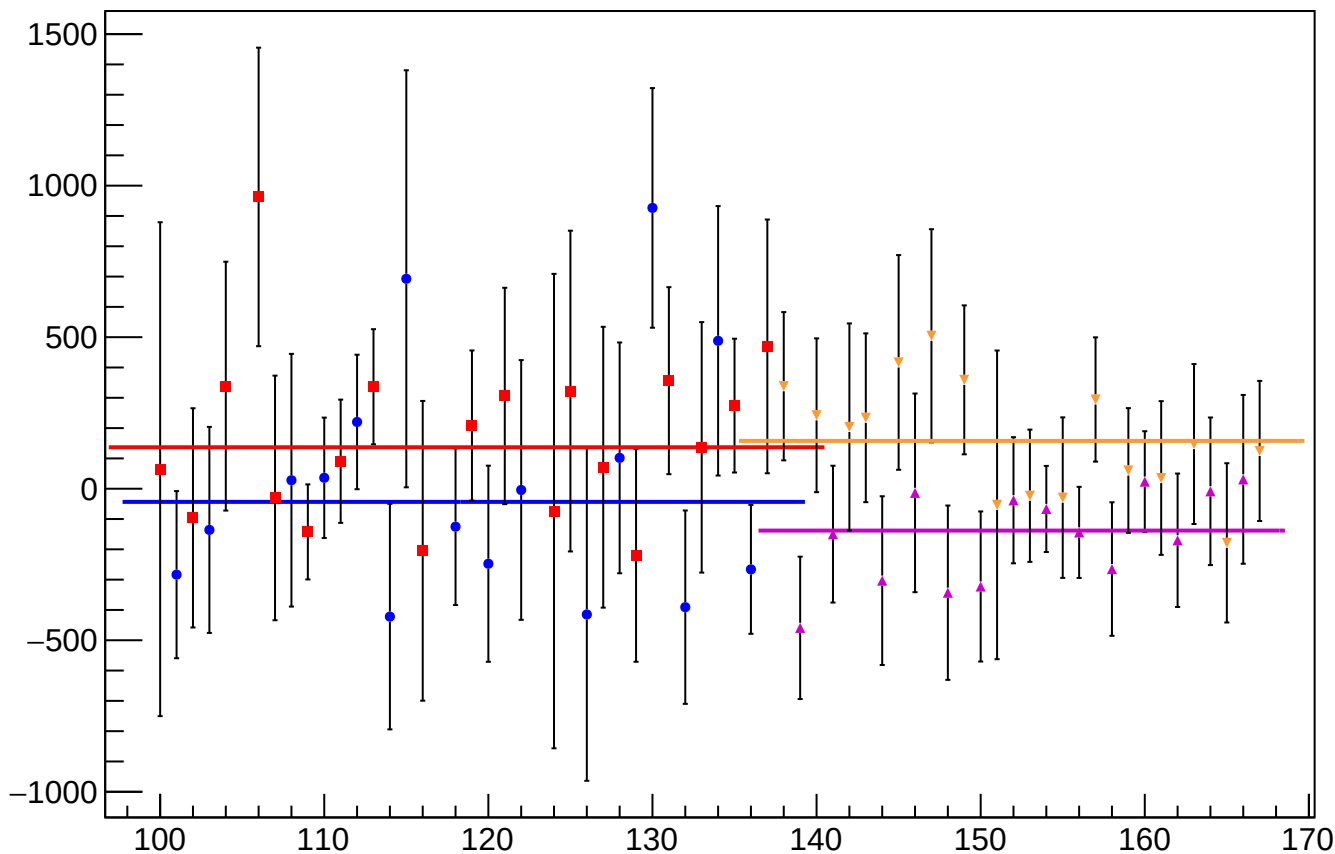
Left In: 16.271 $\pm$ 0.003 χ^2 /NDF: 23945.0/13

+ sign 16.746 $\pm$ 0.003 χ^2 /NDF: 130939.5/31

All: 16.734 $\pm$ 0.002 χ^2 /NDF: 238738.9/64

- sign 16.722 $\pm$ 0.003 χ^2 /NDF: 107758.0/32

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -43.384 $\pm$ 77.584 χ^2/NDF : 15.5/15

Left Out: 157.897 $\pm$ 65.101 χ^2/NDF : 6.9/15

Right Out: 136.778 $\pm$ 69.557 χ^2/NDF : 11.5/18

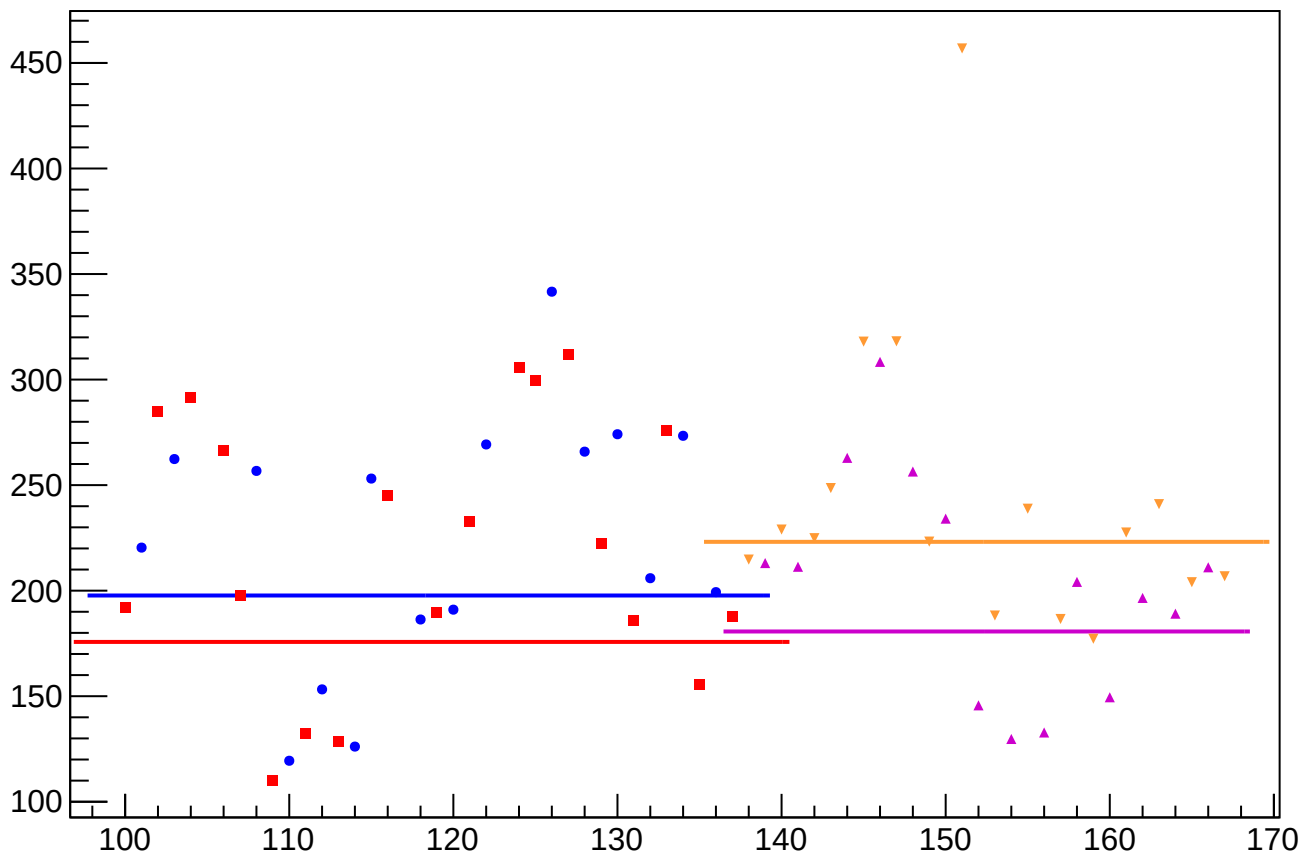
Left In: -138.116 $\pm$ 56.576 χ^2/NDF : 5.9/13

+ sign 74.732 $\pm$ 49.870 χ^2/NDF : 26.3/31

All: 16.468 $\pm$ 32.948 χ^2/NDF : 55.5/64

- sign -28.663 $\pm$ 43.891 χ^2/NDF : 26.8/32

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: 223.131 $\pm$ 0.046 χ^2 /NDF: 982525.8/15

Right Out: 175.716 $\pm$ 0.049 χ^2 /NDF: 1590559.8/18

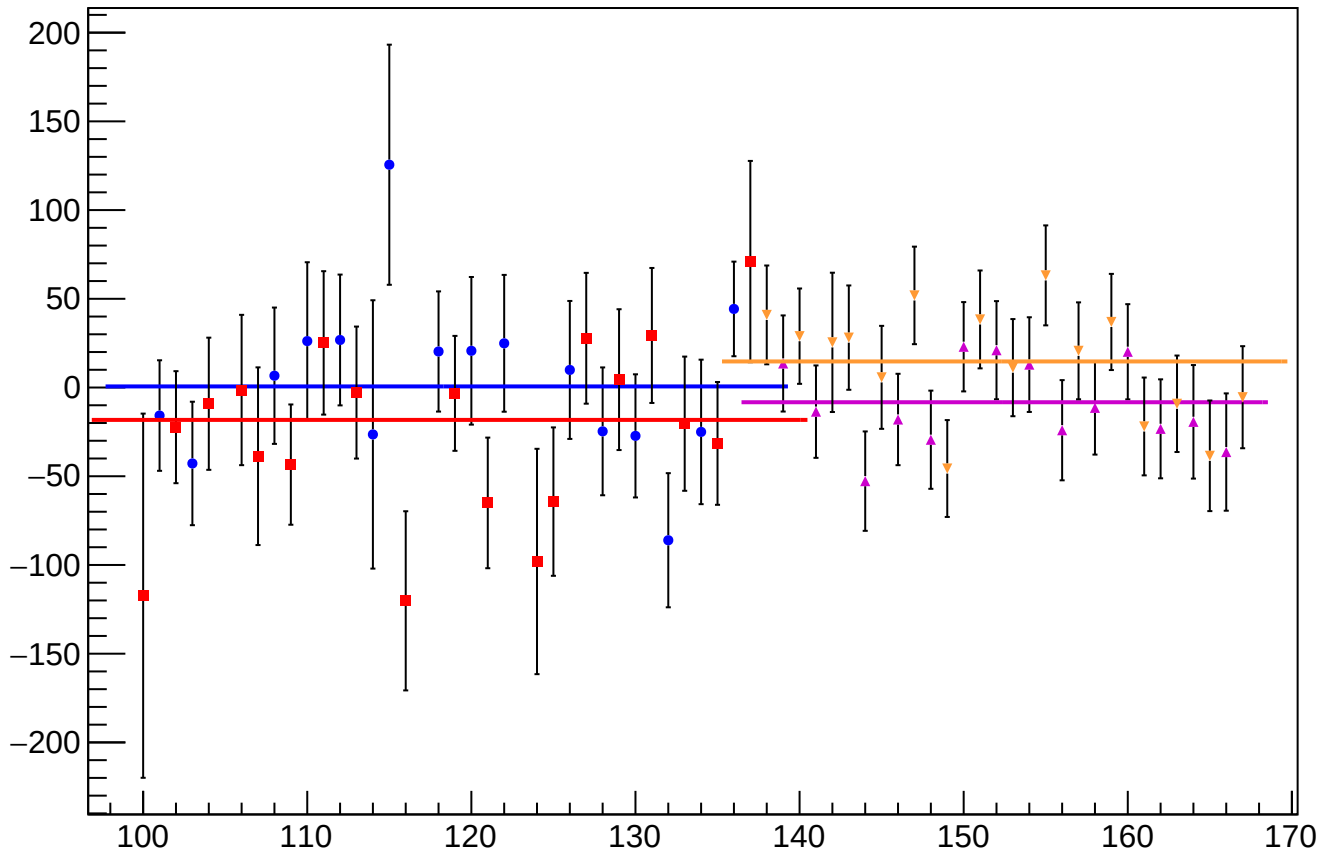
Left In: 180.661 $\pm$ 0.040 χ^2 /NDF: 1431192.3/13

+ sign 212.627 $\pm$ 0.035 χ^2 /NDF: 2108883.3/31

All: 193.504 $\pm$ 0.023 χ^2 /NDF: 5658576.6/64

- sign 178.692 $\pm$ 0.031 χ^2 /NDF: 3027835.8/32

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: 14.700 ± 7.097 χ^2/NDF : 18.6/15

Right Out: -18.248 ± 9.208 χ^2/NDF : 18.0/18

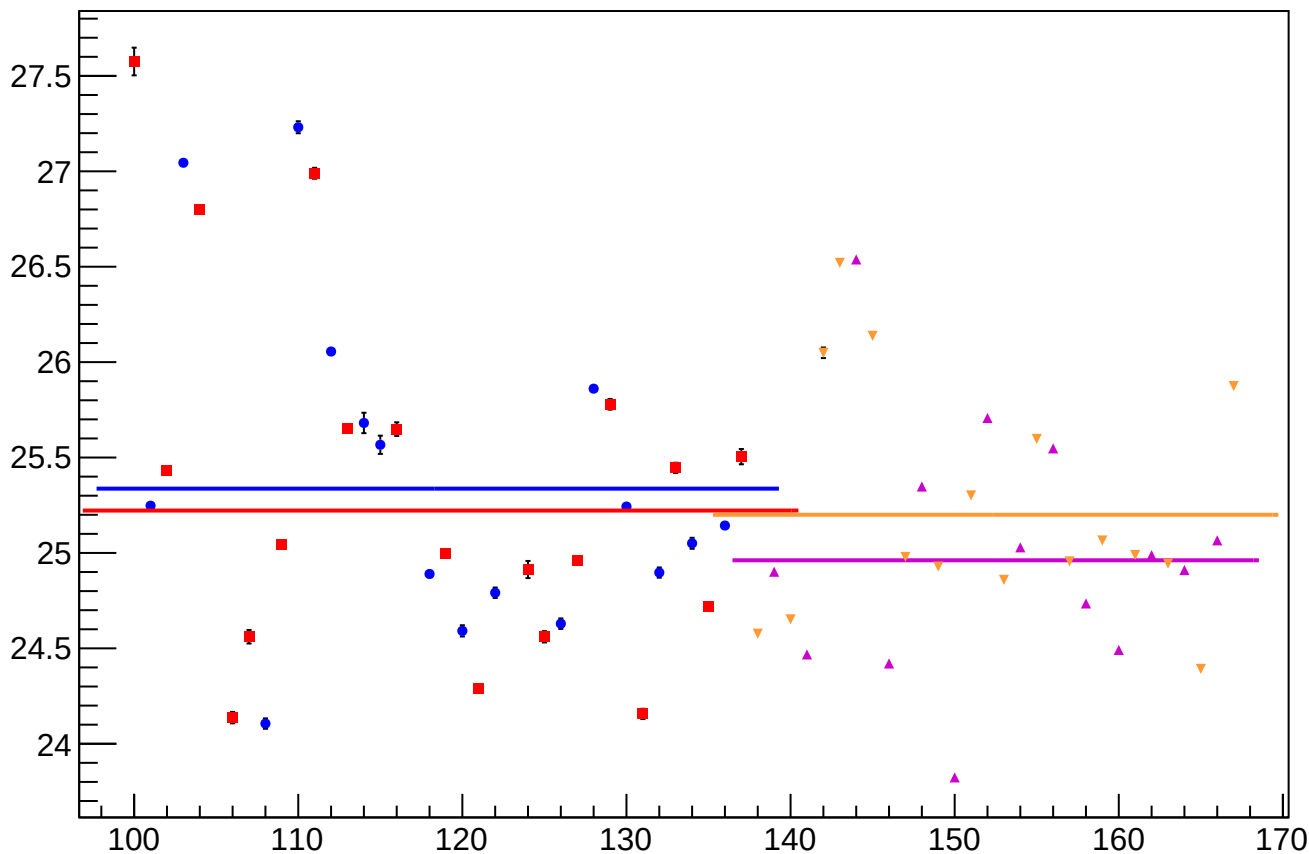
Left In: -8.293 ± 7.356 χ^2/NDF : 9.8/13

+ sign 9.603 ± 5.669 χ^2/NDF : 36.8/31

All: -1.134 ± 4.036 χ^2/NDF : 72.6/64

- sign -12.171 ± 5.747 χ^2/NDF : 28.5/32

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: 25.200 $\pm$ 0.005 χ^2 /NDF:12901.8/15

Right Out: 25.222 $\pm$ 0.007 χ^2 /NDF: 15224.4/18

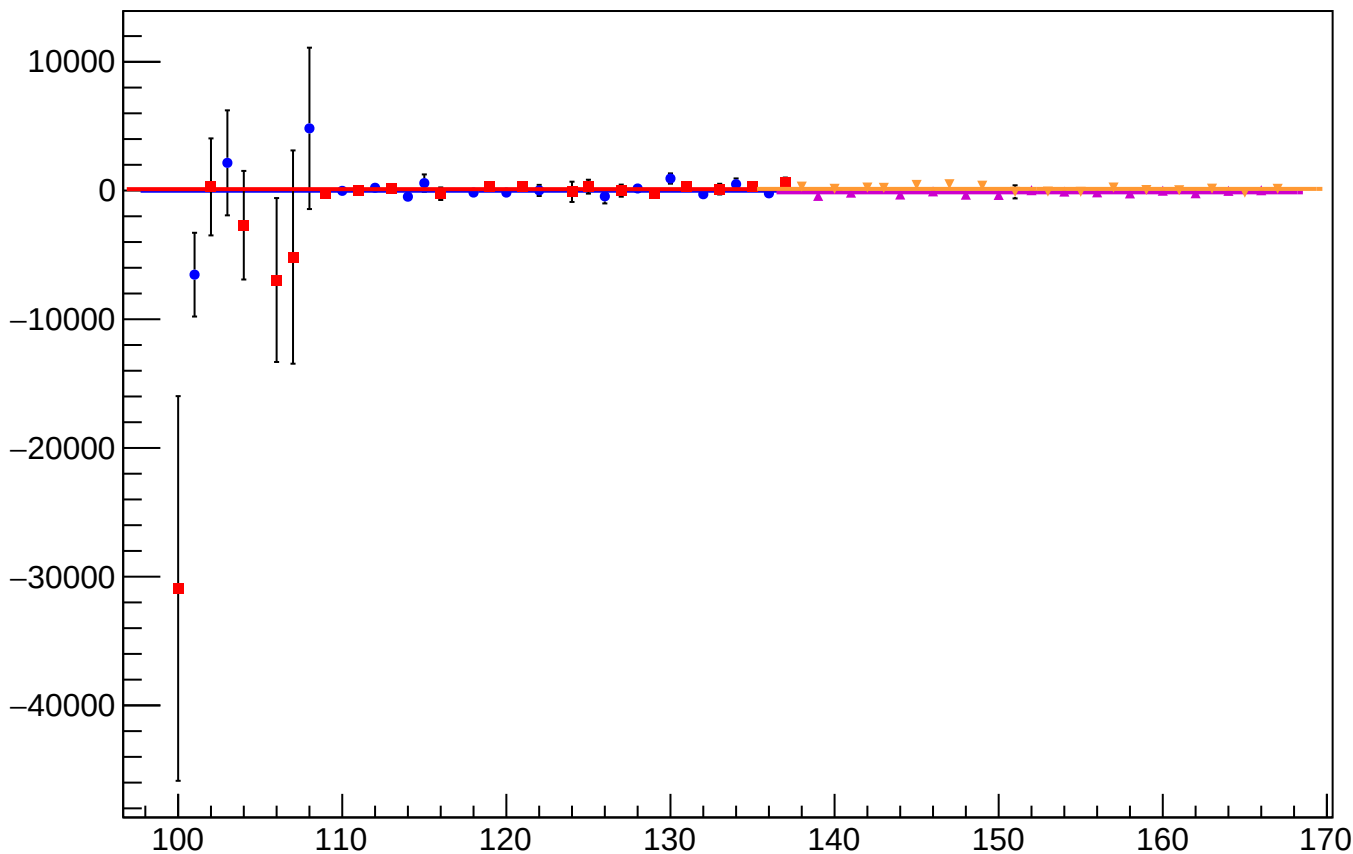
Left In: 24.962 $\pm$ 0.005 χ^2 /NDF:15543.6/13

+ sign 25.250 $\pm$ 0.004 χ^2 /NDF: 27486.5/31

All: 25.158 $\pm$ 0.003 χ^2 /NDF: 60300.5/64

- sign 25.063 $\pm$ 0.004 χ^2 /NDF: 31745.8/32

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -15.450 $\pm$ 84.701 χ^2 /NDF: 18.3/15

Left Out: 128.721 $\pm$ 65.734 χ^2 /NDF: 7.0/15

Right Out: 108.825 $\pm$ 78.099 χ^2 /NDF: 14.0/18

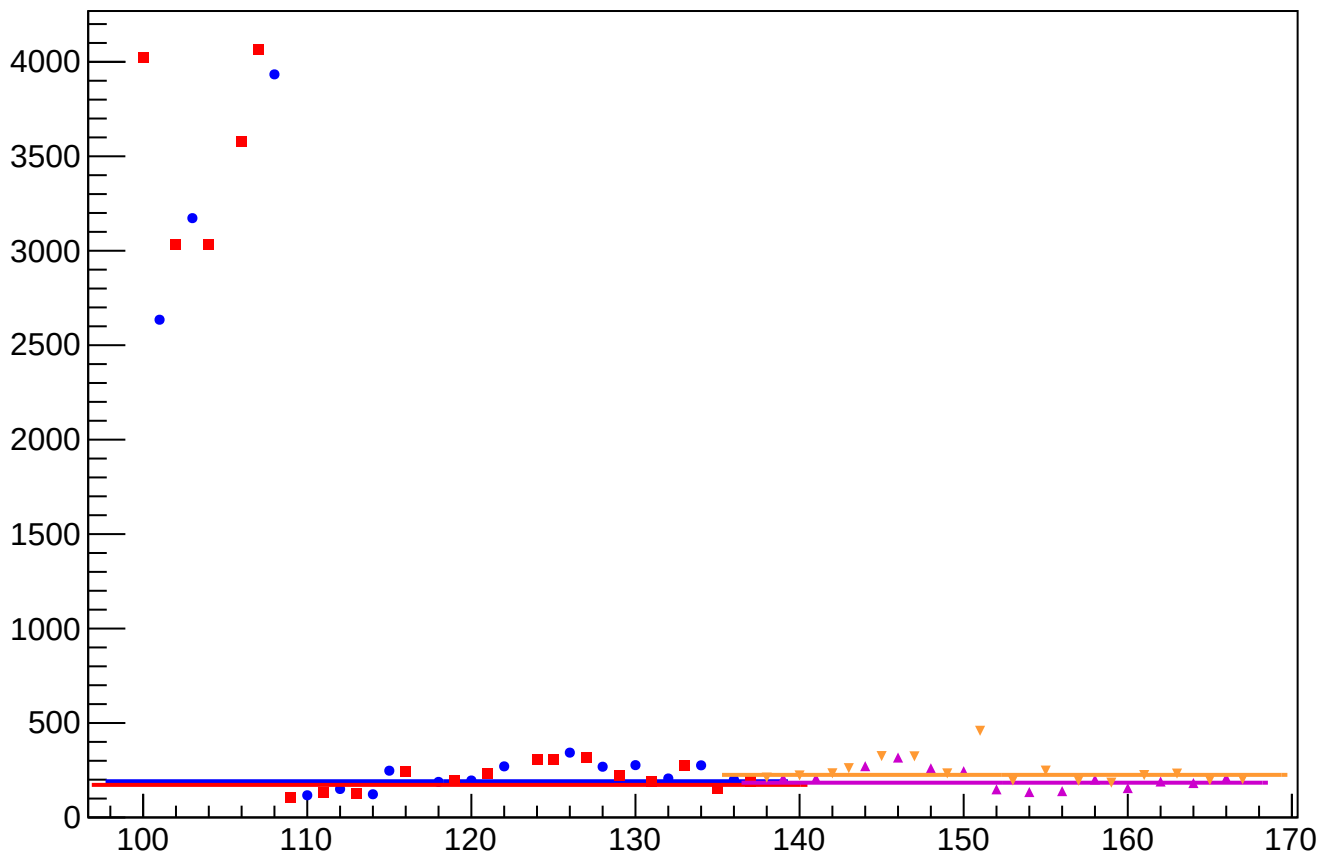
Left In: -139.569 $\pm$ 57.427 χ^2 /NDF: 5.0/13

+ sign 74.529 $\pm$ 51.930 χ^2 /NDF: 27.1/31

All: 3.768 $\pm$ 34.544 χ^2 /NDF: 56.1/64

- sign -52.398 $\pm$ 46.266 χ^2 /NDF: 25.6/32

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: 225.464 $\pm$ 0.046 χ^2 /NDF: 975062.4/15

Right Out: 172.462 $\pm$ 0.055 χ^2 /NDF: 4303129.4/18

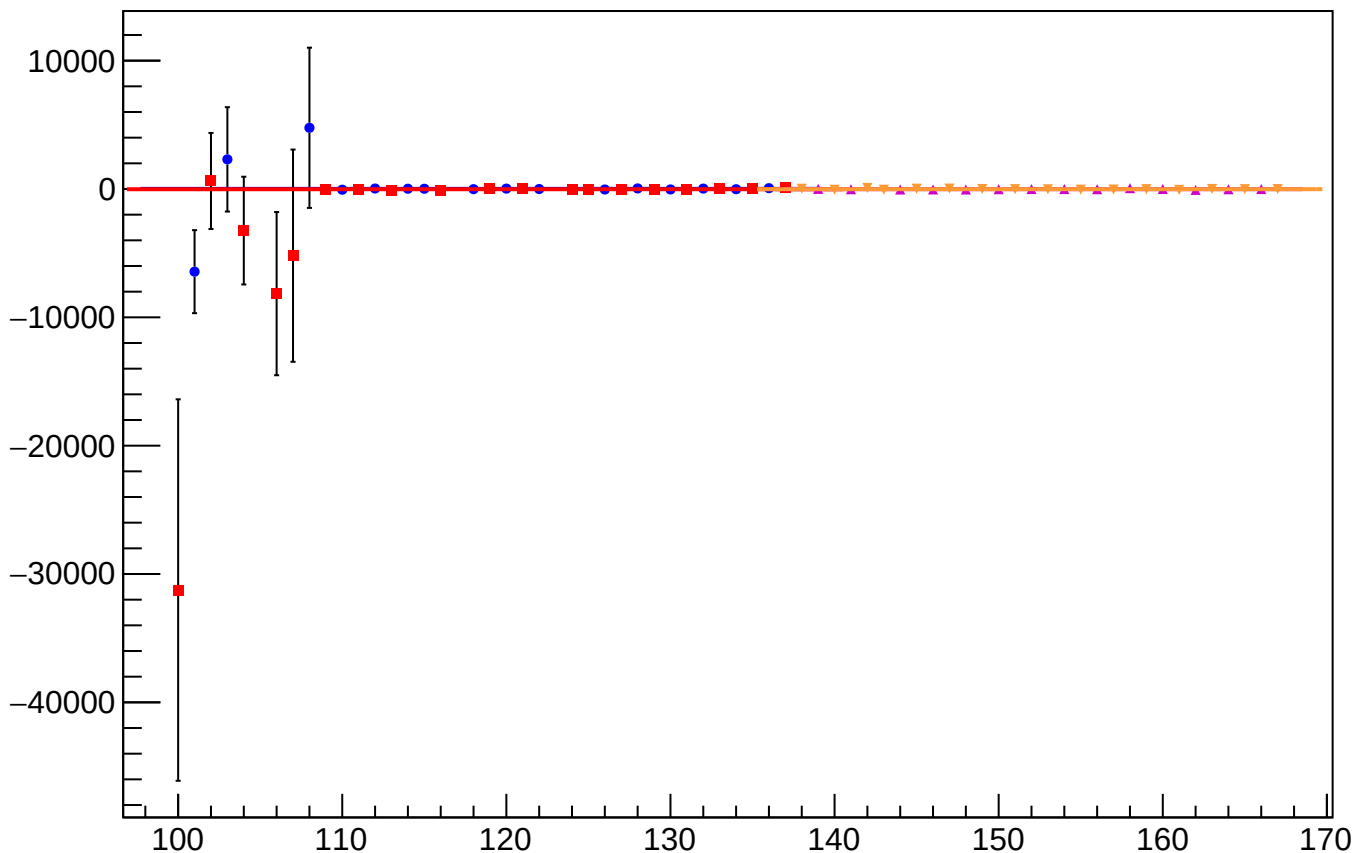
Left In: 183.952 $\pm$ 0.041 χ^2 /NDF: 1315927.8/13

+ sign 212.786 $\pm$ 0.037 χ^2 /NDF: 4994792.7/31

All: 194.463 $\pm$ 0.024 χ^2 /NDF: 11088553.0/64

- sign 179.920 $\pm$ 0.033 χ^2 /NDF: 5647152.6/32

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576 ± 11.685 χ^2/NDF : 16.0/15

Left Out: -15.004 ± 8.139 χ^2/NDF : 17.7/15

Right Out: -18.105 ± 11.805 χ^2/NDF : 24.8/18

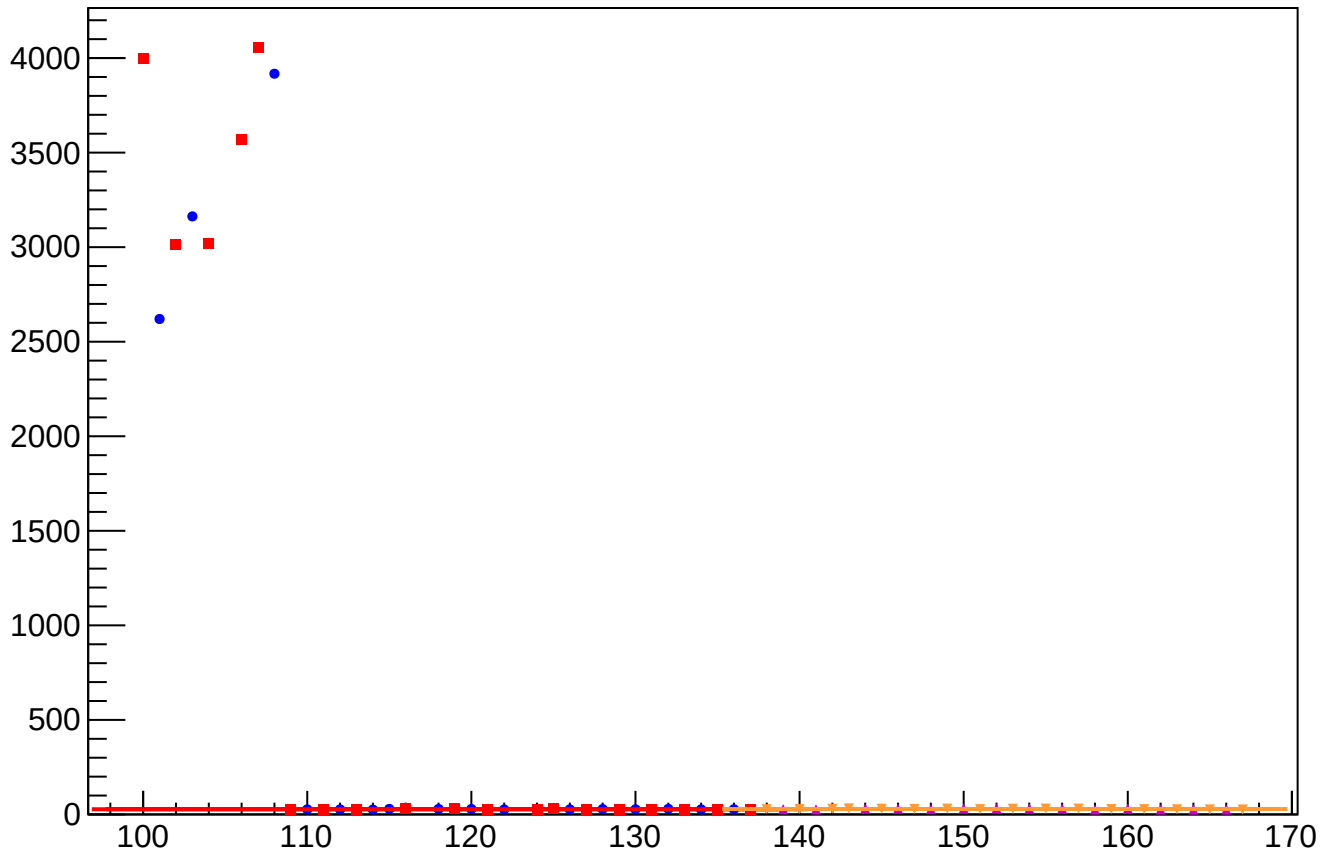
Left In: -11.722 ± 8.524 χ^2/NDF : 14.0/13

+ sign -6.974 ± 6.679 χ^2/NDF : 36.6/31

All: -10.323 ± 4.803 χ^2/NDF : 76.1/64

- sign -13.910 ± 6.911 χ^2/NDF : 38.9/32

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: 28.833 $\pm$ 0.006 χ^2 /NDF: 79509.0/15

Right Out: 27.535 $\pm$ 0.008 χ^2 /NDF: 3555229.4/18

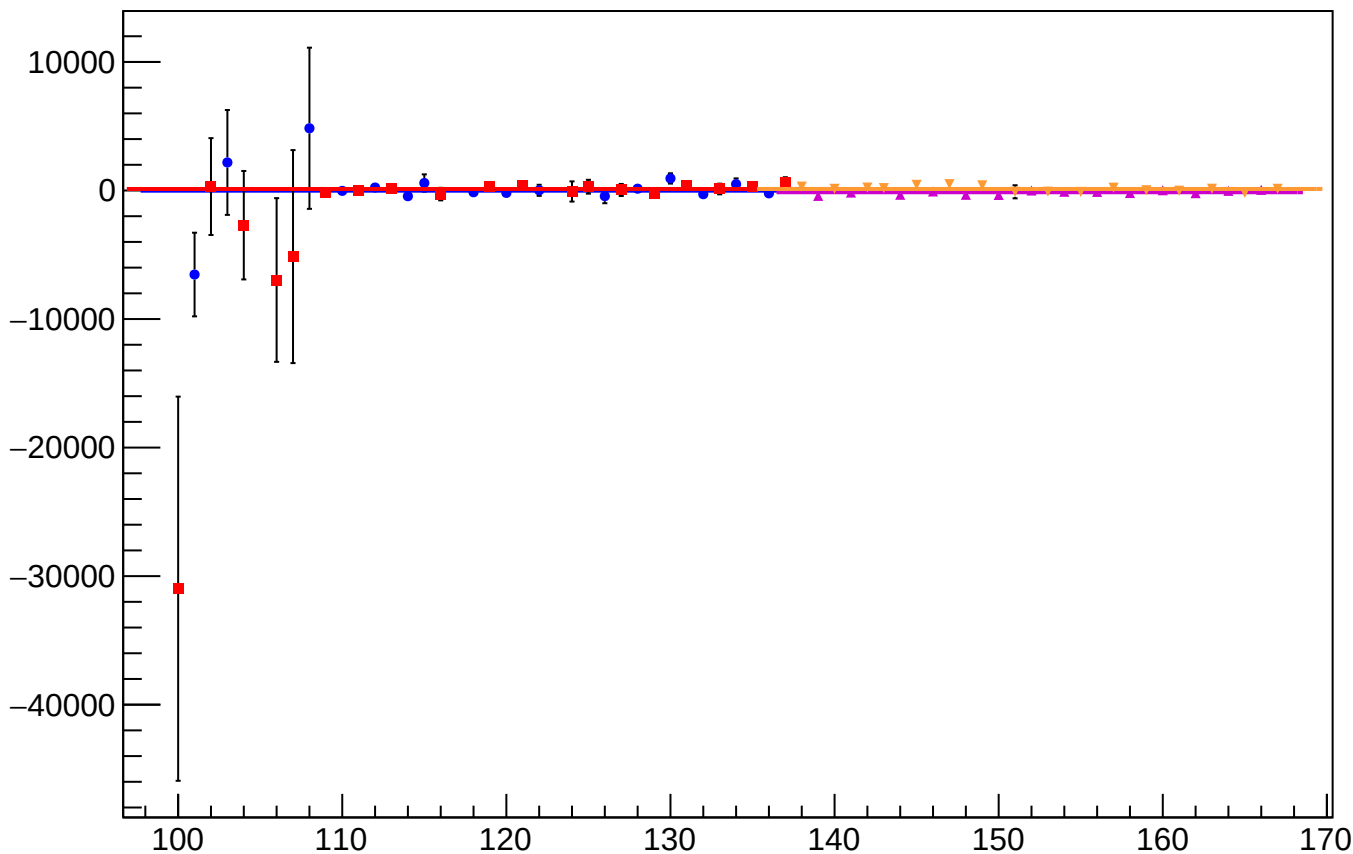
Left In: 28.838 $\pm$ 0.006 χ^2 /NDF: 107298.2/13

+ sign 28.444 $\pm$ 0.005 χ^2 /NDF: 3358999.8/31

All: 28.418 $\pm$ 0.003 χ^2 /NDF: 7037614.6/64

- sign 28.391 $\pm$ 0.005 χ^2 /NDF: 3678555.8/32

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160 $\pm$ 84.454 χ^2 /NDF: 18.3/15

Left Out: 119.324 $\pm$ 65.594 χ^2 /NDF: 7.8/15

Right Out: 118.063 $\pm$ 77.862 χ^2 /NDF: 14.4/18

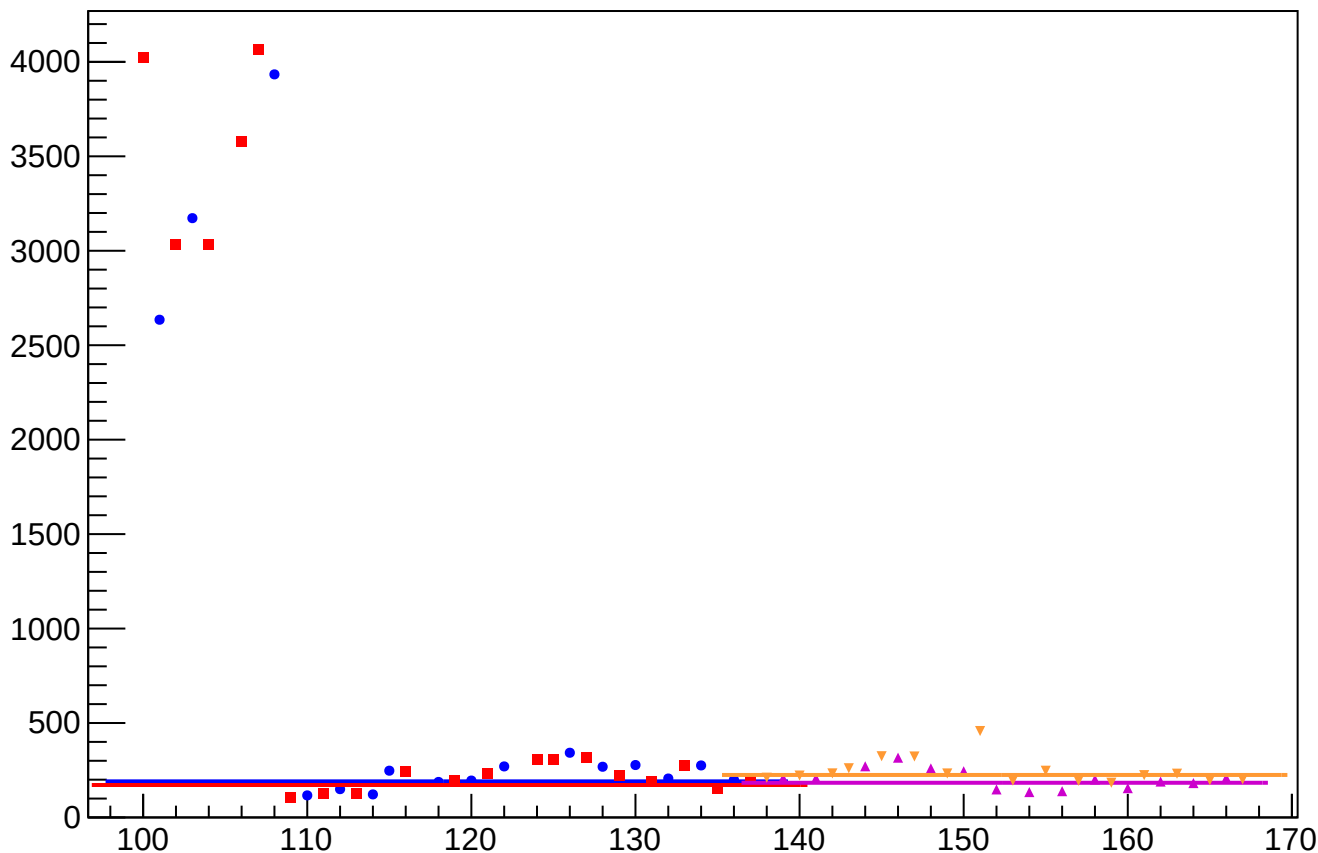
Left In: -135.413 $\pm$ 57.317 χ^2 /NDF: 5.3/13

+ sign 69.475 $\pm$ 51.804 χ^2 /NDF: 27.6/31

All: 4.922 $\pm$ 34.463 χ^2 /NDF: 57.1/64

- sign -46.329 $\pm$ 46.159 χ^2 /NDF: 26.6/32

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF : 3833952.4/15

Left Out: 224.987+/-0.046 χ^2/NDF : 974819.6/15

Right Out: 171.835+/-0.055 χ^2/NDF : 4314721.8/18

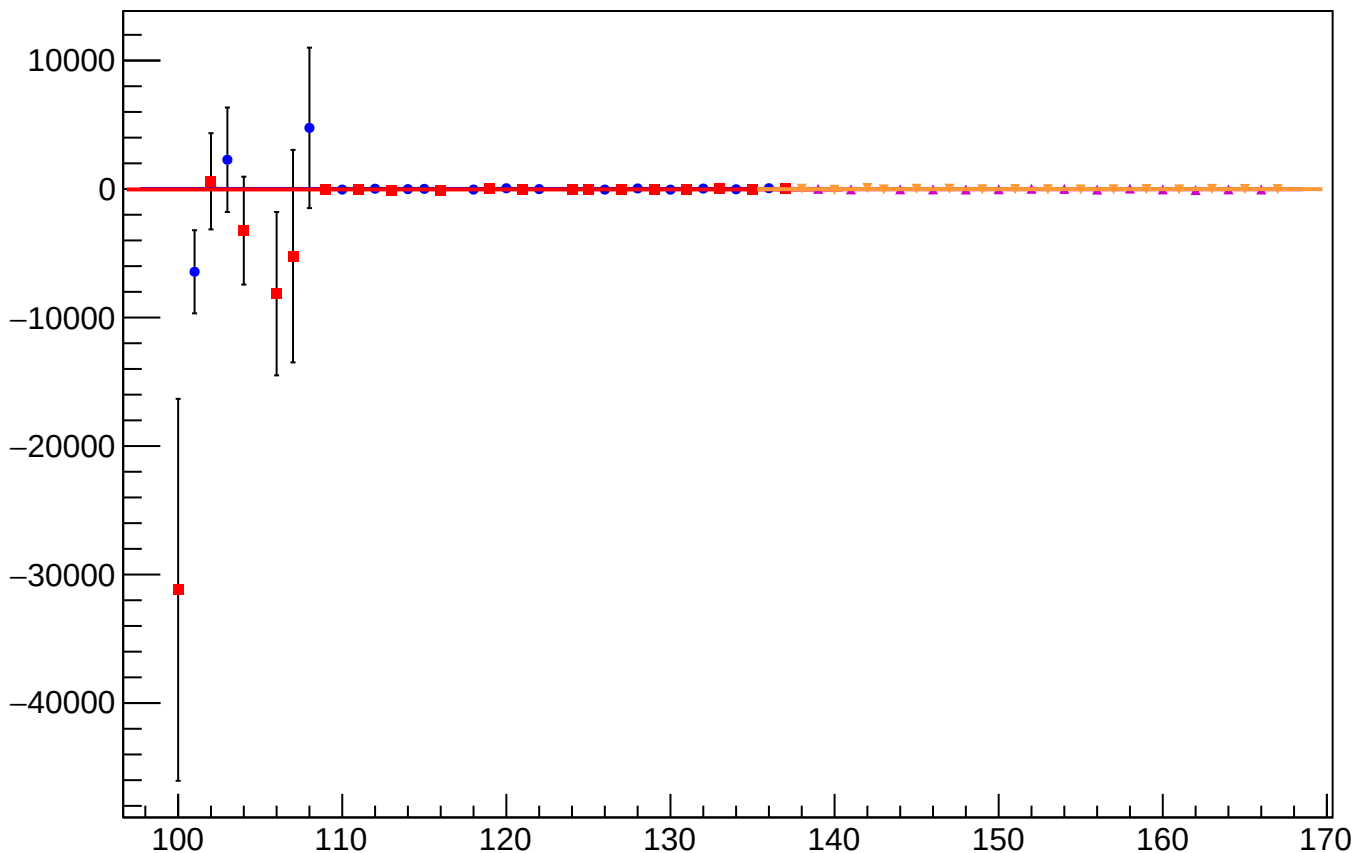
Left In: 183.605+/-0.041 χ^2/NDF : 1315552.4/13

+ sign 212.226+/-0.037 χ^2/NDF : 5009976.6/31

All: 193.966+/-0.024 χ^2/NDF : 11115651.8/64

- sign 179.468+/-0.033 χ^2/NDF : 5659913.2/32

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490 $\pm$ 11.764 χ^2 /NDF: 18.3/15

Left Out: -8.504 $\pm$ 8.202 χ^2 /NDF: 11.2/15

Right Out: -30.962 $\pm$ 11.902 χ^2 /NDF: 19.9/18

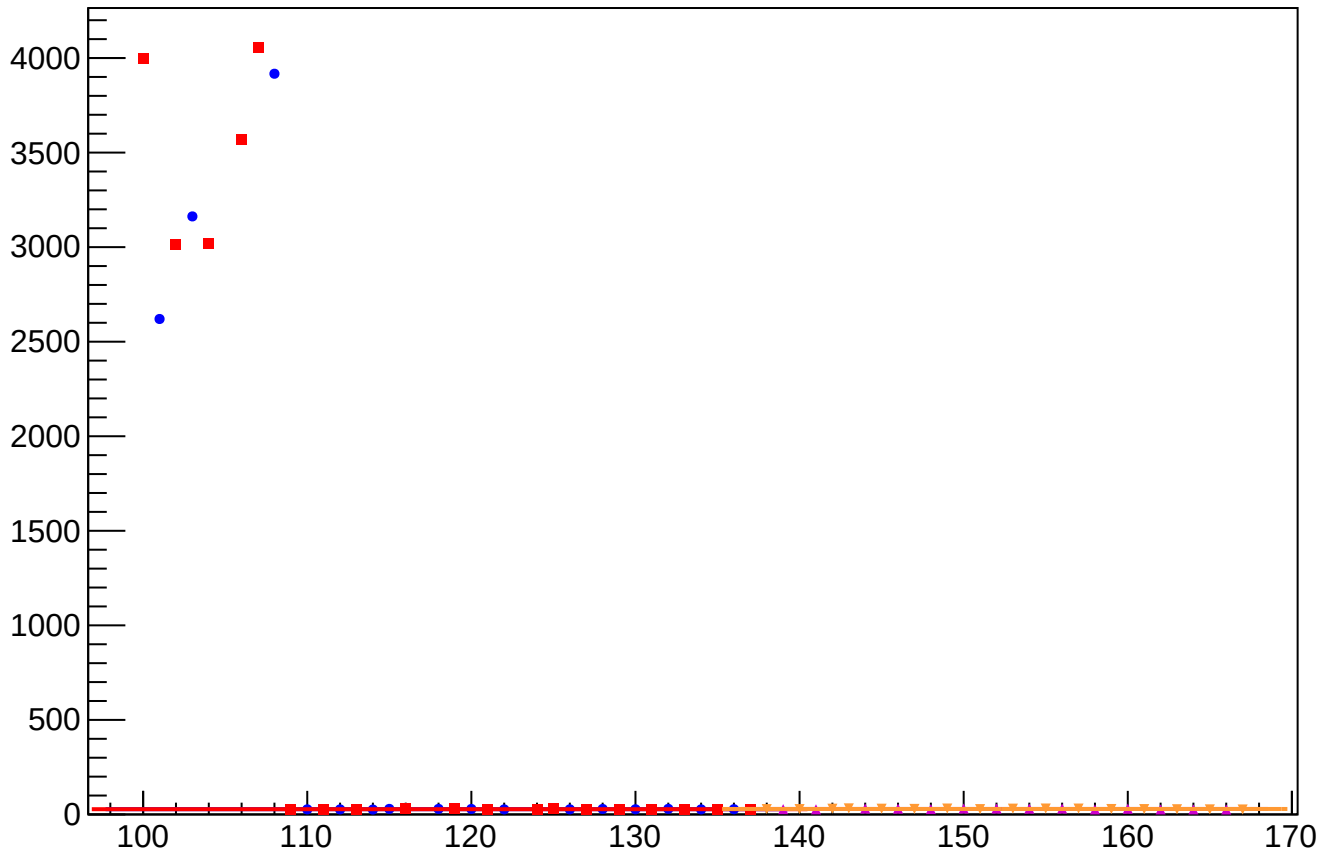
Left In: -13.379 $\pm$ 8.581 χ^2 /NDF: 12.4/13

+ sign -3.600 $\pm$ 6.728 χ^2 /NDF: 30.6/31

All: -11.228 $\pm$ 4.837 χ^2 /NDF: 67.0/64

- sign -19.393 $\pm$ 6.960 χ^2 /NDF: 33.7/32

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF : 3265895.3/15

Left Out: 29.049+/-0.006 χ^2/NDF : 84398.7/15

Right Out: 27.754+/-0.008 χ^2/NDF : 3558676.9/18

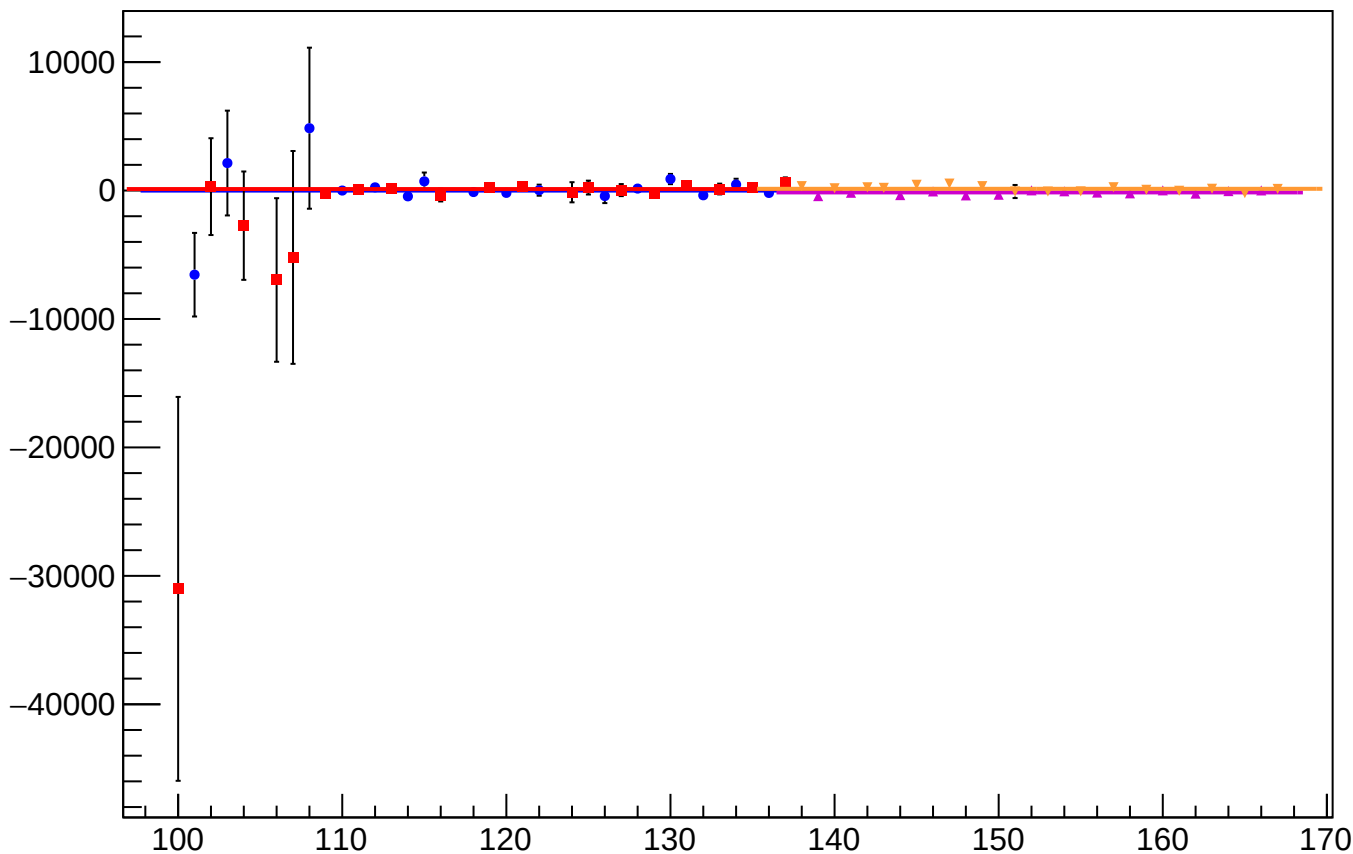
Left In: 29.032+/-0.006 χ^2/NDF : 107641.5/13

+ sign 28.648+/-0.005 χ^2/NDF : 3364855.8/31

All: 28.622+/-0.003 χ^2/NDF : 7046422.6/64

- sign 28.595+/-0.005 χ^2/NDF : 3681505.8/32

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: 135.303 ± 66.216 χ^2/NDF : 7.7/15

Right Out: 115.753 ± 78.952 χ^2/NDF : 13.8/18

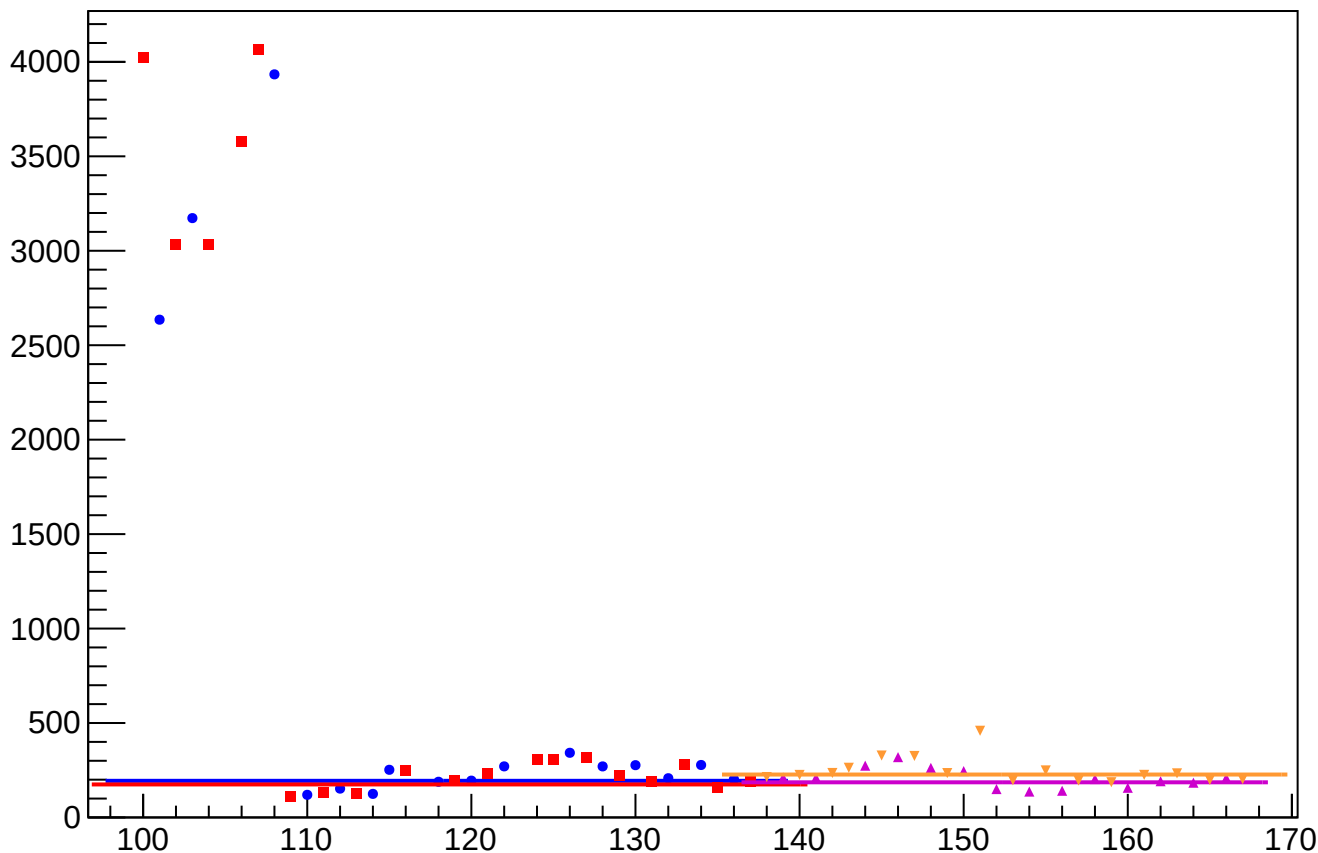
Left In: -146.146 ± 58.018 χ^2/NDF : 5.8/13

+ sign 83.534 ± 52.354 χ^2/NDF : 27.6/31

All: 6.844 ± 34.872 χ^2/NDF : 58.1/64

- sign -54.312 ± 46.752 χ^2/NDF : 26.7/32

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946 $\pm$ 0.060 χ^2 /NDF: 3784467.5/15

Left Out: 227.212 $\pm$ 0.047 χ^2 /NDF: 968044.1/15

Right Out: 174.779 $\pm$ 0.056 χ^2 /NDF: 4259323.6/18

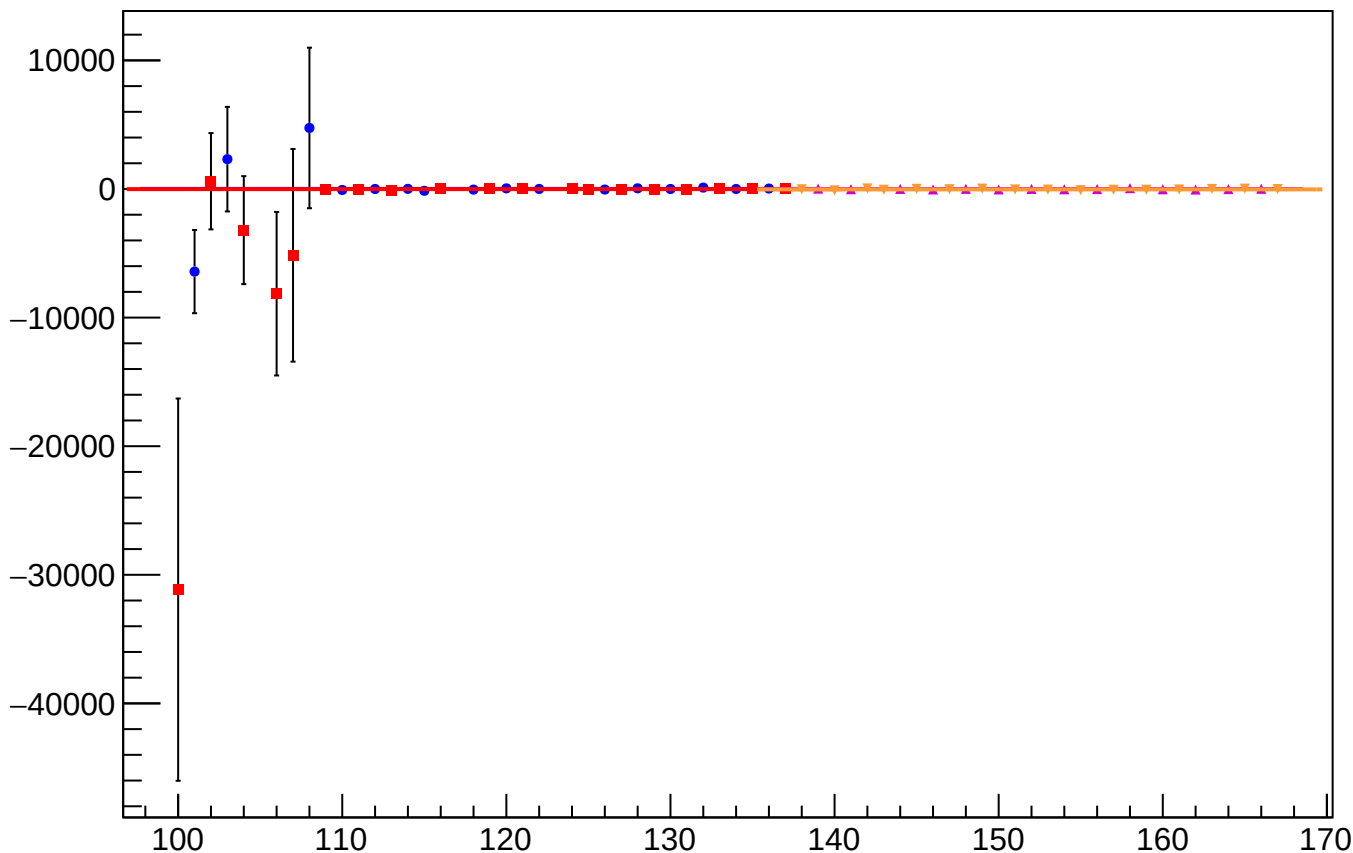
Left In: 186.042 $\pm$ 0.041 χ^2 /NDF: 1288103.4/13

+ sign 214.741 $\pm$ 0.037 χ^2 /NDF: 4941731.9/31

All: 196.577 $\pm$ 0.025 χ^2 /NDF: 10948309.8/64

- sign 182.093 $\pm$ 0.033 χ^2 /NDF: 5573852.3/32

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660 $\pm$ 14.306 χ^2 /NDF: 17.5/15

Left Out: -29.511 $\pm$ 9.715 χ^2 /NDF:17.0/15

Right Out: -10.003 $\pm$ 14.433 χ^2 /NDF: 23.4/18

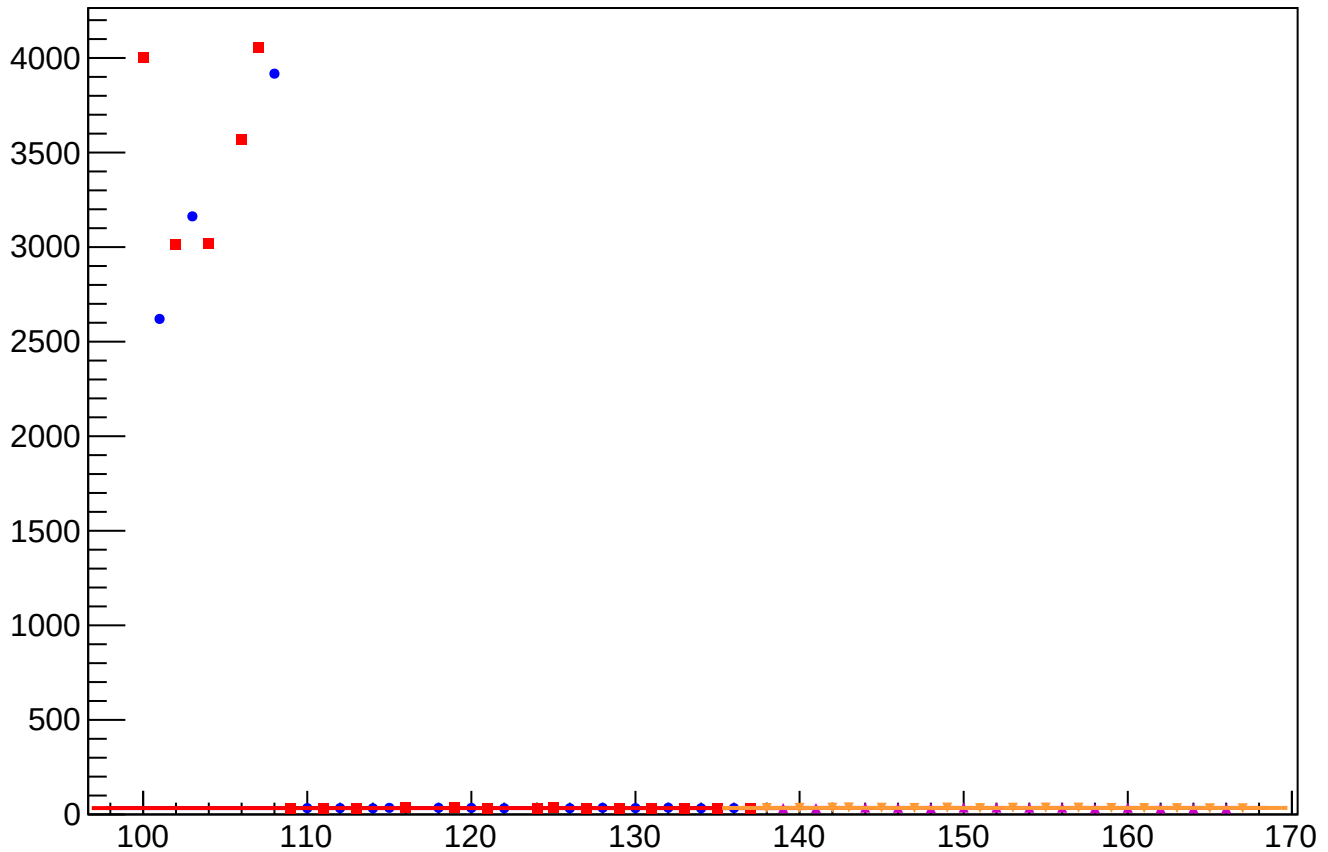
Left In: -2.101 $\pm$ 10.168 χ^2 /NDF:8.0/13

+ sign -18.410 $\pm$ 8.037 χ^2 /NDF: 38.6/31

All: -11.797 $\pm$ 5.778 χ^2 /NDF: 71.6/64

- sign -4.722 $\pm$ 8.312 χ^2 /NDF: 31.6/32

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899 $\pm$ 0.010 χ^2 /NDF: 3244382.4/15

Left Out: 34.470 $\pm$ 0.007 χ^2 /NDF: 36832.4/15

Right Out: 33.726 $\pm$ 0.010 χ^2 /NDF: 3526463.8/18

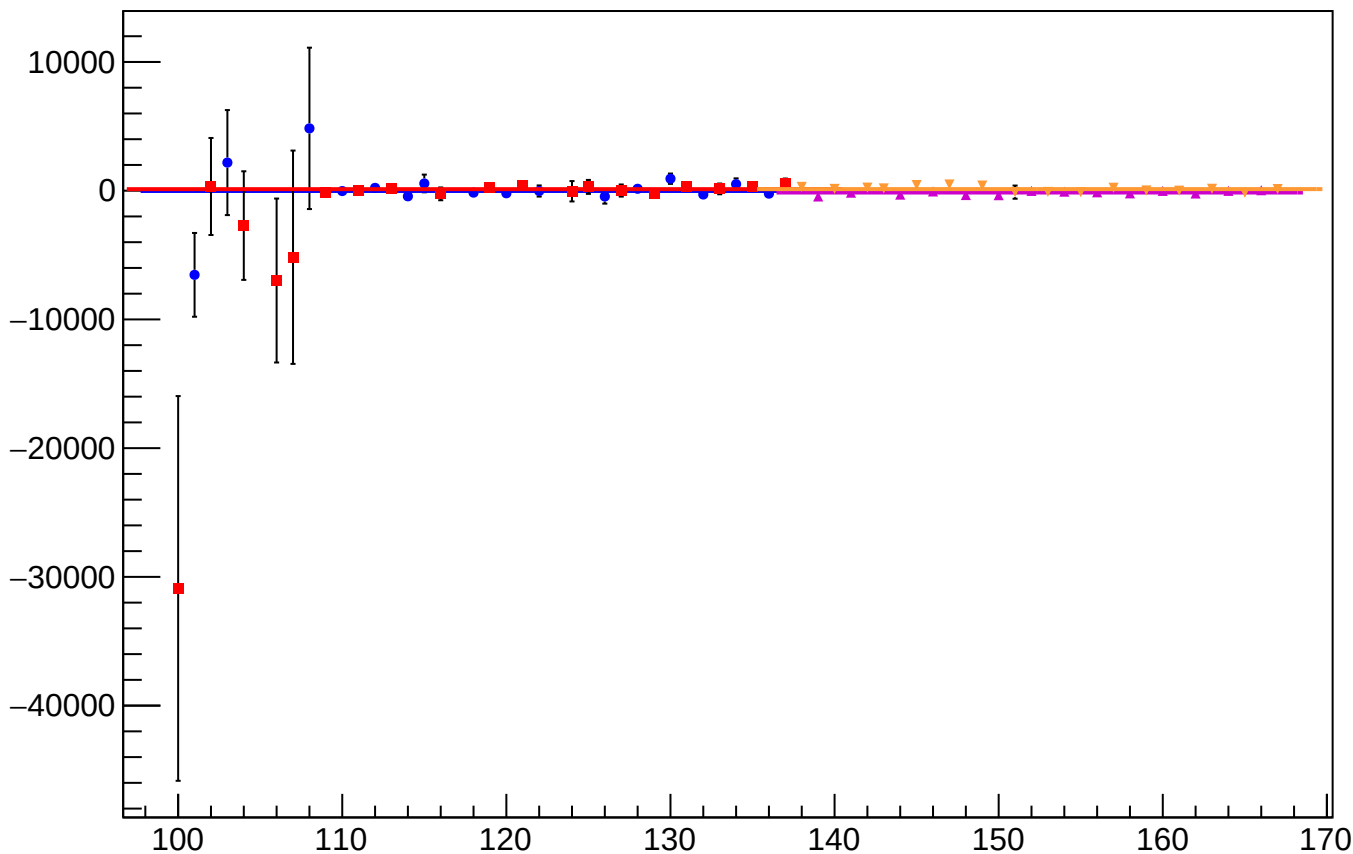
Left In: 34.475 $\pm$ 0.007 χ^2 /NDF: 48820.0/13

+ sign 34.290 $\pm$ 0.006 χ^2 /NDF: 3283393.5/31

All: 34.259 $\pm$ 0.004 χ^2 /NDF: 6862335.4/64

- sign 34.227 $\pm$ 0.006 χ^2 /NDF: 3578881.5/32

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: 123.406 ± 66.094 χ^2/NDF : 7.5/15

Right Out: 119.922 ± 78.455 χ^2/NDF : 13.3/18

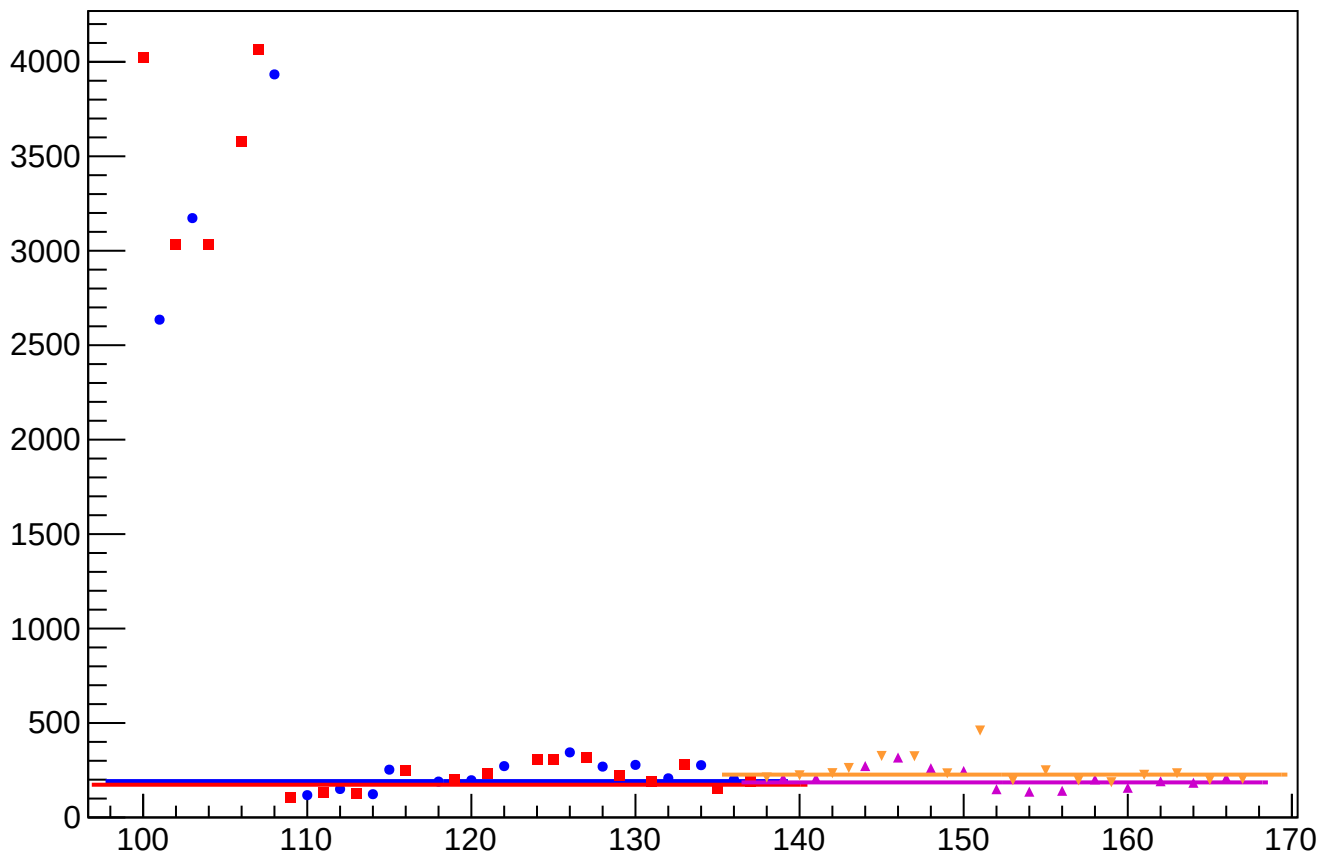
Left In: -141.633 ± 57.862 χ^2/NDF : 5.2/13

+ sign 69.600 ± 52.191 χ^2/NDF : 27.4/31

All: 3.297 ± 34.747 χ^2/NDF : 56.0/64

- sign -49.486 ± 46.567 χ^2/NDF : 25.7/32

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: 226.812 $\pm$ 0.047 χ^2 /NDF: 959365.4/15

Right Out: 173.249 $\pm$ 0.055 χ^2 /NDF: 4307420.2/18

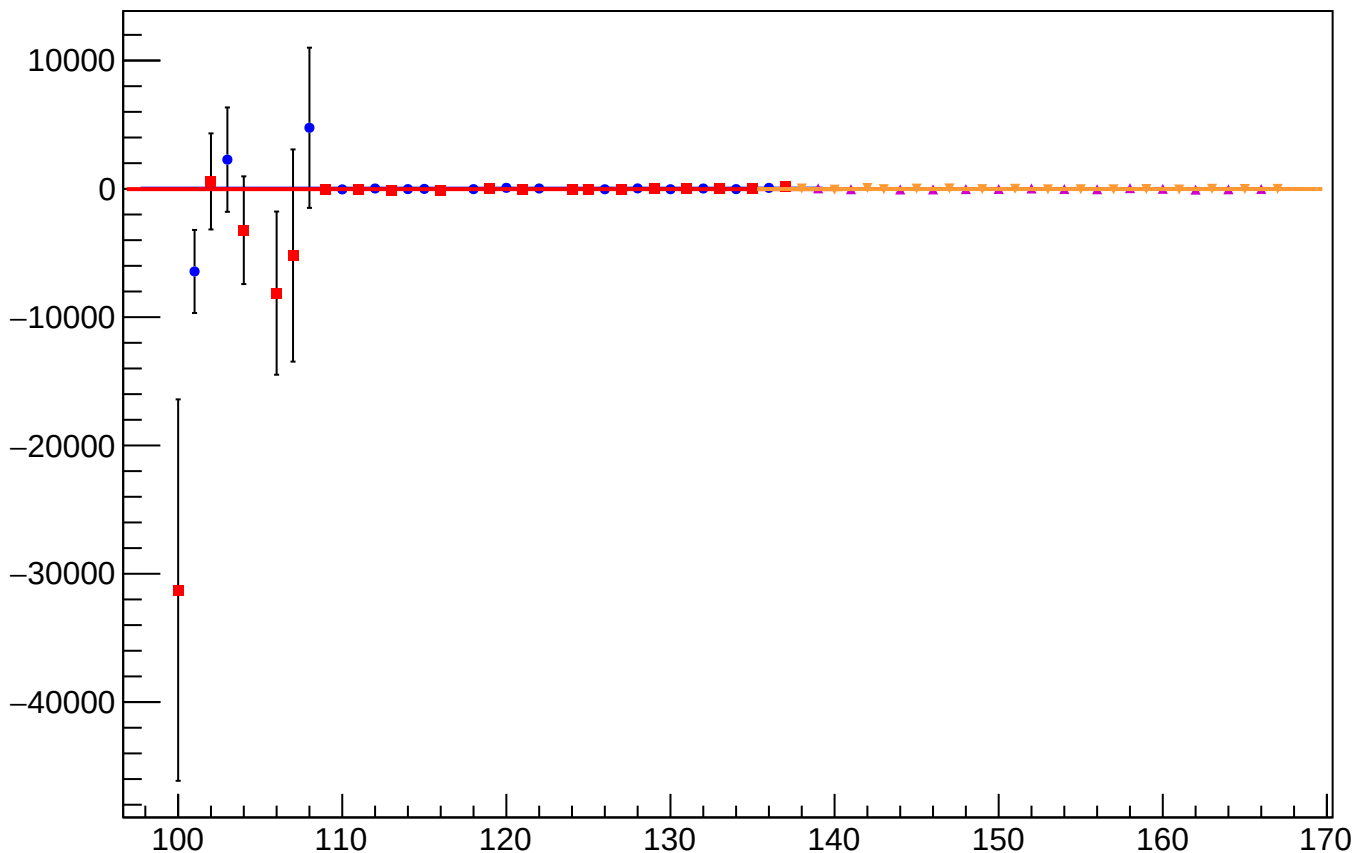
Left In: 185.552 $\pm$ 0.041 χ^2 /NDF: 1275555.8/13

+ sign 213.918 $\pm$ 0.037 χ^2 /NDF: 4984356.9/31

All: 195.711 $\pm$ 0.025 χ^2 /NDF: 11036307.8/64

- sign 181.218 $\pm$ 0.033 χ^2 /NDF: 5614833.0/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF : 15.5/15

Left Out: -14.999+/-8.827 χ^2/NDF : 11.7/15

Right Out: -23.230+/-13.181 χ^2/NDF : 28.7/18

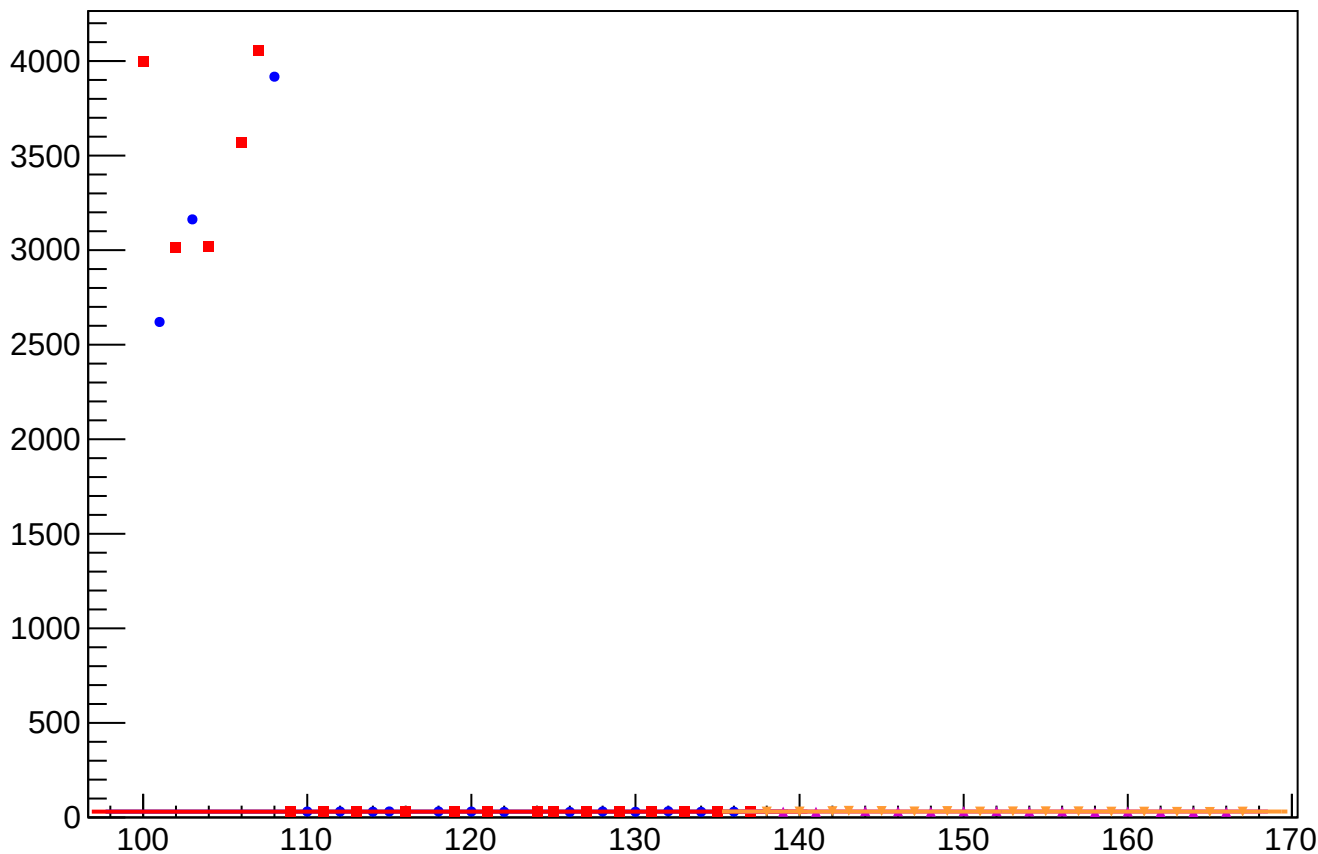
Left In: -10.647+/-9.227 χ^2/NDF : 14.0/13

+ sign -5.997+/-7.314 χ^2/NDF : 30.4/31

All: -10.246+/-5.256 χ^2/NDF : 74.5/64

- sign -14.785+/-7.559 χ^2/NDF : 43.3/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928 $\pm$ 0.009 χ^2 /NDF: 3252607.8/15

Left Out: 31.291 $\pm$ 0.006 χ^2 /NDF: 58029.2/15

Right Out: 30.777 $\pm$ 0.009 χ^2 /NDF: 3536234.6/18

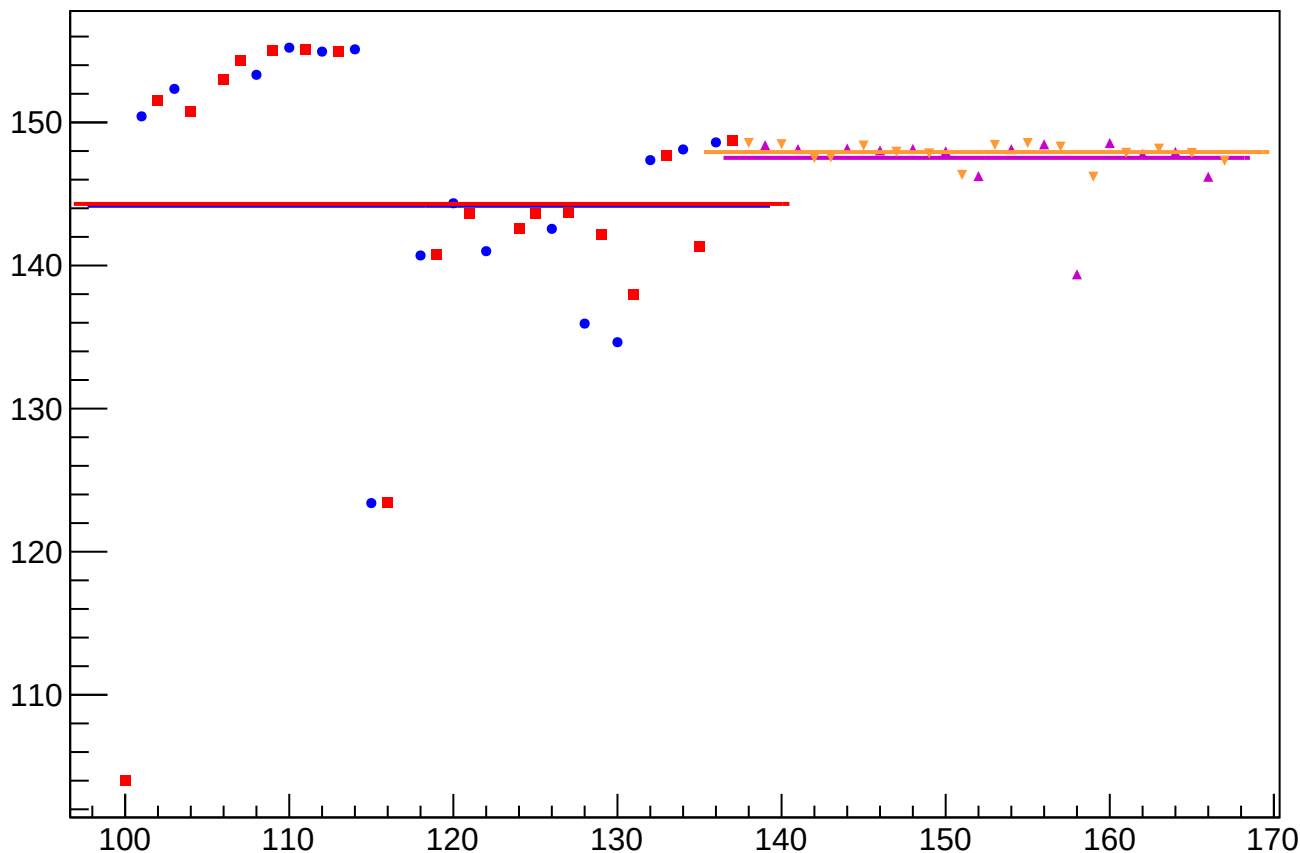
Left In: 31.239 $\pm$ 0.007 χ^2 /NDF: 76642.5/13

+ sign 31.178 $\pm$ 0.005 χ^2 /NDF: 3311697.0/31

All: 31.134 $\pm$ 0.004 χ^2 /NDF: 6926370.2/64

- sign 31.087 $\pm$ 0.005 χ^2 /NDF: 3614524.7/32

yield_bcm_target_mean vs Slug



Right In: 144.176+/-0.000 χ^2/NDF : 3724747268.7/15

Left Out: 147.927+/-0.000 χ^2/NDF : 33805600.9/15

Right Out: 144.304+/-0.000 χ^2/NDF : 4264494940.7/18

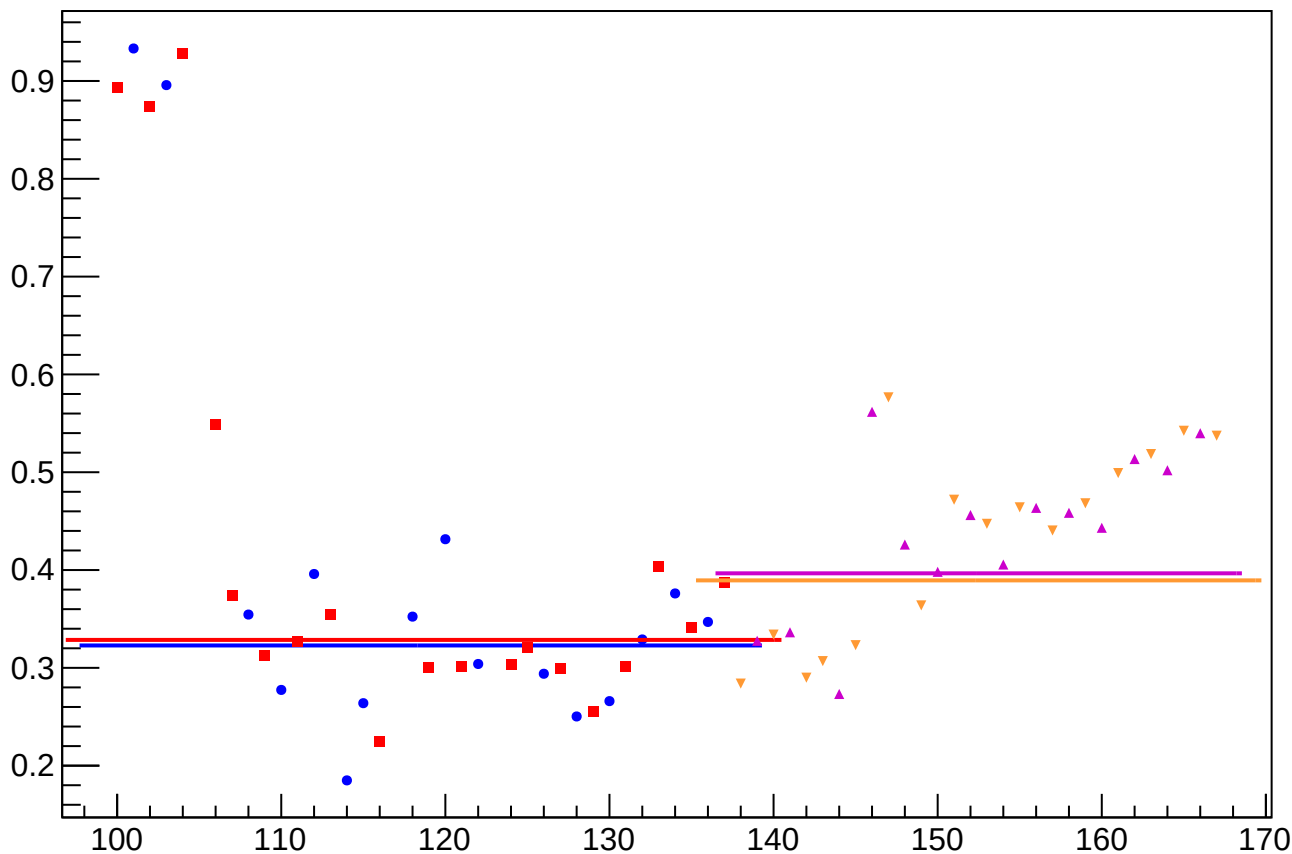
Left In: 147.524+/-0.000 χ^2/NDF : 288166055.9/13

+ sign 146.314+/-0.000 χ^2/NDF : 4216165594.0/31

All: 146.188+/-0.000 χ^2/NDF : 9091241934.9

- sign 146.054+/-0.000 χ^2/NDF : 4870760609.0/32

yield_bcm_target_rms vs Slug



Right In: 0.323 ± 0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.389 ± 0.000 χ^2/NDF : 1275871.0/15

Right Out: 0.329 ± 0.000 χ^2/NDF : 1304148.7/18

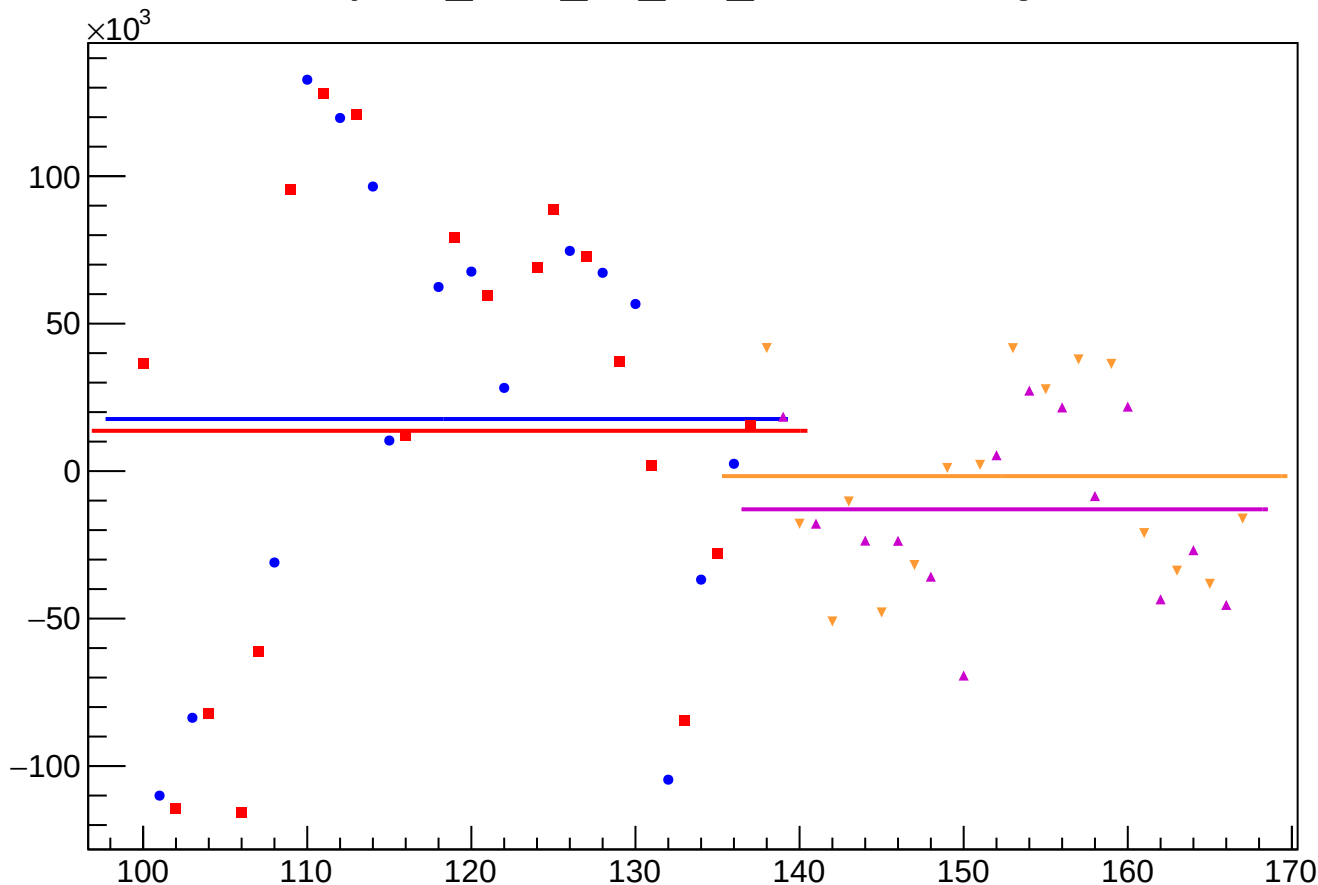
Left In: 0.397 ± 0.000 χ^2/NDF : 955399.3/13

+ sign 0.361 ± 0.000 χ^2/NDF : 2959839.1/31

All: 0.363 ± 0.000 χ^2/NDF : 5506699.3/64

- sign 0.366 ± 0.000 χ^2/NDF : 2543963.7/32

yield_bcm_an_diff_mean vs Slug



Right In: 17663.790 $\pm$ 2.006 χ^2 /NDF: 1398738701.8/15

Left Out: -1704.732 $\pm$ 1.381 χ^2 /NDF: 518453150.2/15

Right Out: 13666.312 $\pm$ 1.925 χ^2 /NDF: 1856962869.6/18

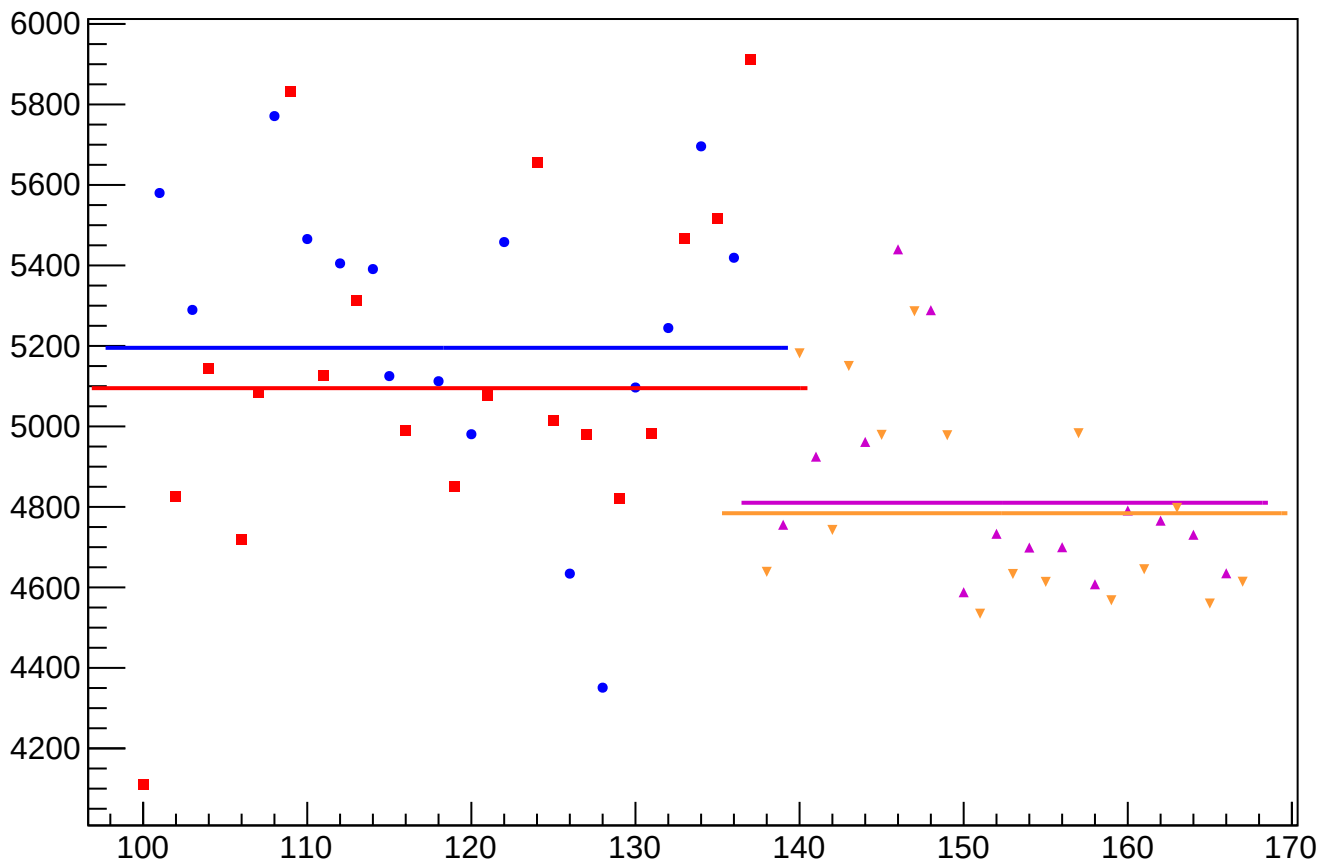
Left In: -12954.395 $\pm$ 1.454 χ^2 /NDF: 414155450.8/13

+ sign 4522.978 $\pm$ 1.137 χ^2 /NDF: 1980471257.0/31

All: 698.505 $\pm$ 0.812 χ^2 /NDF: 4396441021.0

- sign -3282.542 $\pm$ 1.160 χ^2 /NDF: 2392887135.5/32

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298 $\pm$ 1.418 χ^2 /NDF: 77166.0/15

Left Out: 4784.305 $\pm$ 0.976 χ^2 /NDF: 58159.6/15

Right Out: 5095.047 $\pm$ 1.361 χ^2 /NDF: 59112.0/18

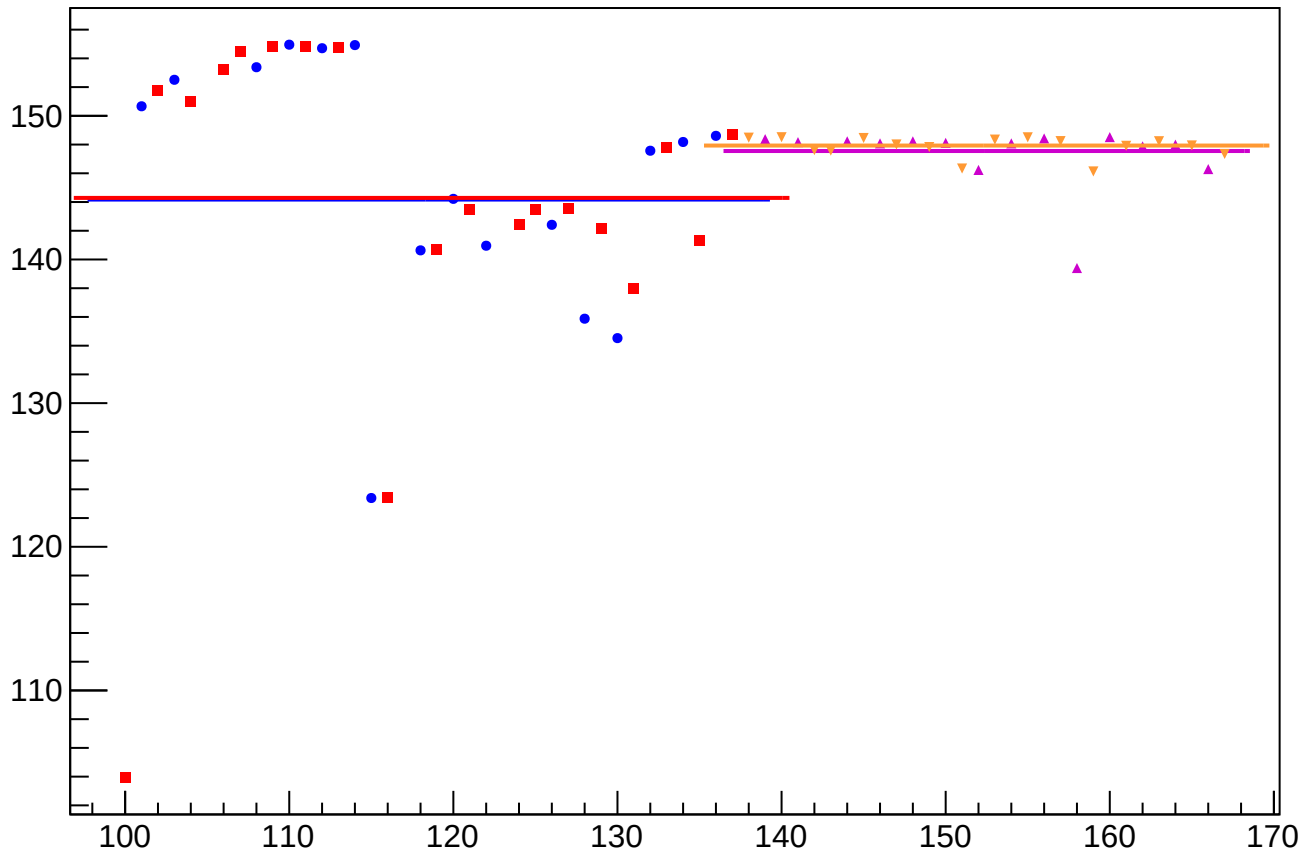
Left In: 4810.317 $\pm$ 1.028 χ^2 /NDF: 48520.1/13

+ sign 4916.455 $\pm$ 0.804 χ^2 /NDF: 192311.6/31

All: 4915.137 $\pm$ 0.574 χ^2 /NDF: 327810.0/64

- sign 4913.766 $\pm$ 0.820 χ^2 /NDF: 135492.9/32

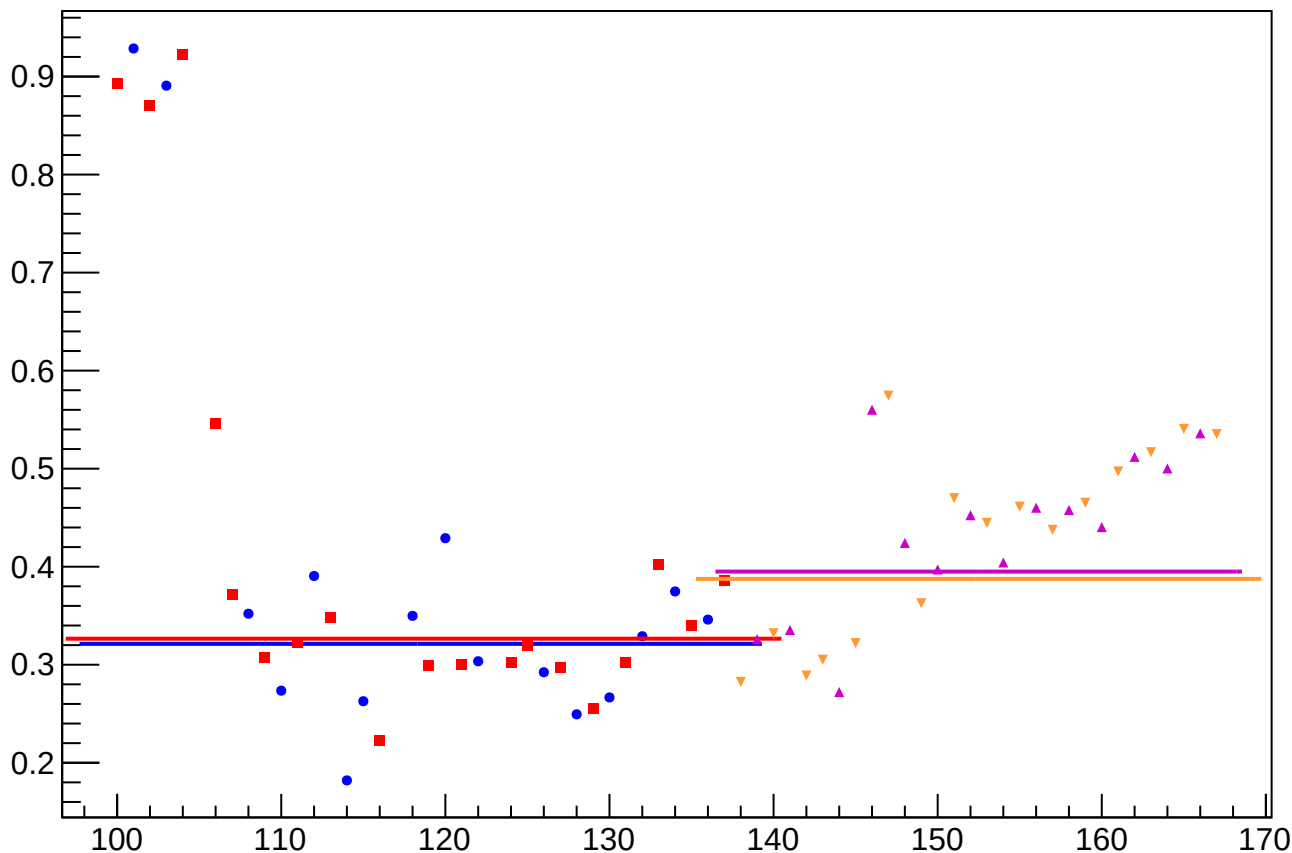
yield_bcm_an_ds_mean vs Slug



Right In: 144.172 ± 0.000 χ^2/NDF : 3764836520.0/15
 Left Out: 147.932 ± 0.000 χ^2/NDF : 33784932.0/15
 Right Out: 144.286 ± 0.000 χ^2/NDF : 4290223847.7/18
 Left In: 147.550 ± 0.000 χ^2/NDF : 289037681.3/13

+ sign 146.314 ± 0.000 χ^2/NDF : 4262930260.9/31
 All: 146.190 ± 0.000 χ^2/NDF : 9176652186.6
 - sign 146.057 ± 0.000 χ^2/NDF : 4909451023.6/32

yield_bcm_an_ds_rms vs Slug



Right In: 0.321 ± 0.000 χ^2/NDF : 1396250.7/15

Left Out: 0.388 ± 0.000 χ^2/NDF : 1276696.3/15

Right Out: 0.327 ± 0.000 χ^2/NDF : 1302732.4/18

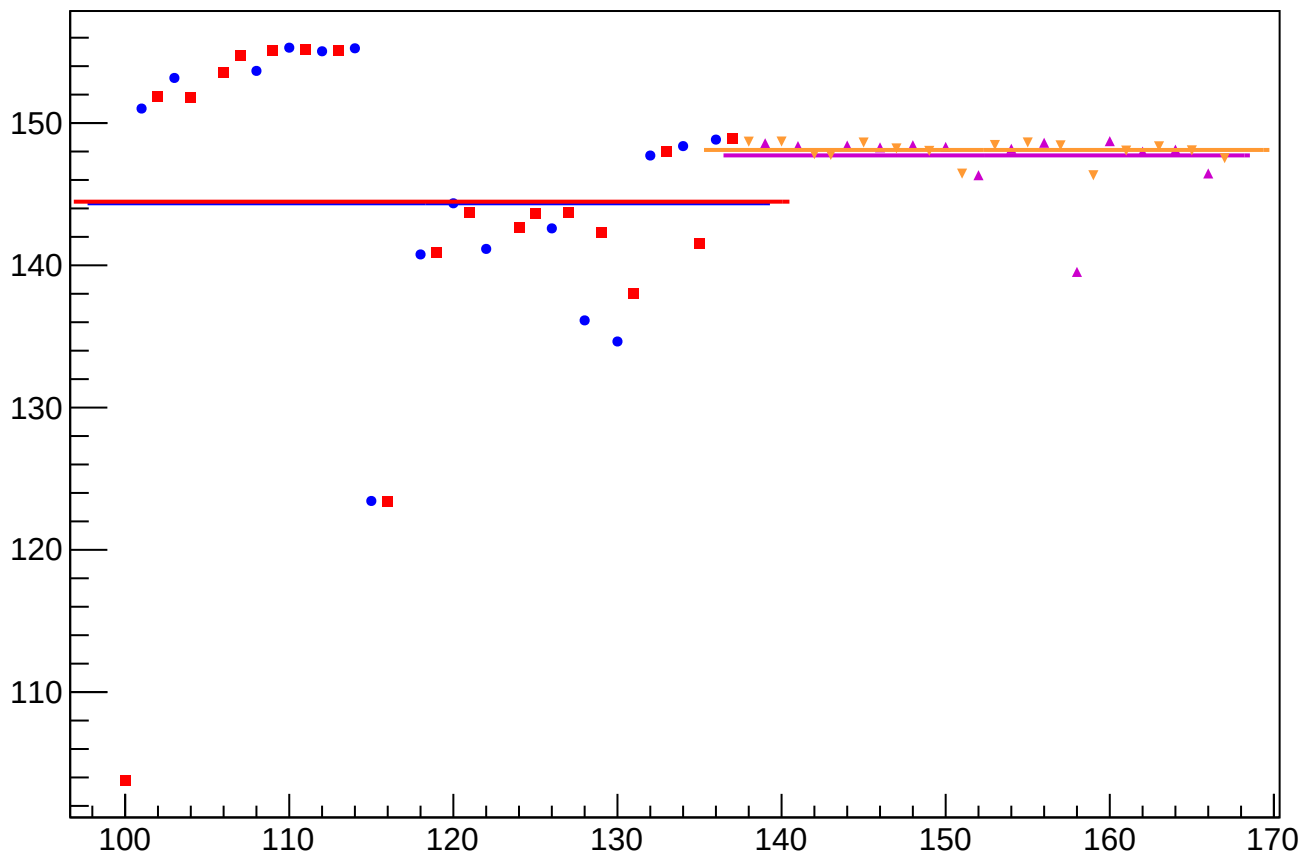
Left In: 0.395 ± 0.000 χ^2/NDF : 952977.0/13

+ sign 0.359 ± 0.000 χ^2/NDF : 2961325.2/31

All: 0.361 ± 0.000 χ^2/NDF : 5510305.7/64

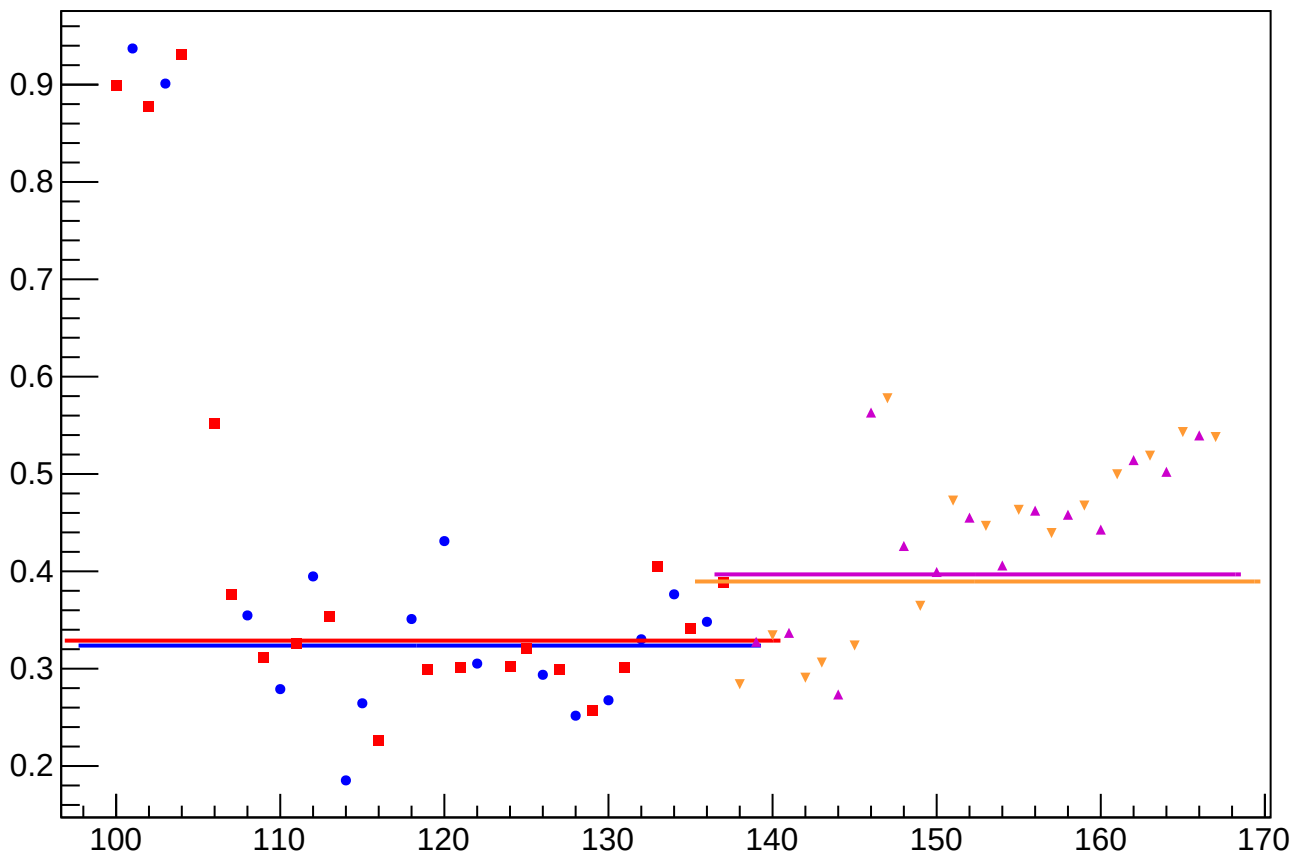
- sign 0.364 ± 0.000 χ^2/NDF : 2546186.0/32

yield_bcm_an_ds3_mean vs Slug



Right In: 144.361+/-0.000	χ^2/NDF : 3758625293.6/15	+ sign 146.501+/-0.000	χ^2/NDF : 4248264166.4/31
Left Out: 148.110+/-0.000	χ^2/NDF : 33732568.3/15	All: 146.376+/-0.000	χ^2/NDF : 9151776148.7
Right Out: 144.475+/-0.000	χ^2/NDF : 4281975463.8/18	- sign 146.242+/-0.000	χ^2/NDF : 4899231025.5/32
Left In: 147.726+/-0.000	χ^2/NDF : 293269484.1/13		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324 ± 0.000 $\chi^2/\text{NDF}: 1392377.9/15$

Left Out: 0.390 ± 0.000 $\chi^2/\text{NDF}: 1274432.2/15$

Right Out: 0.329 ± 0.000 $\chi^2/\text{NDF}: 1303222.2/18$

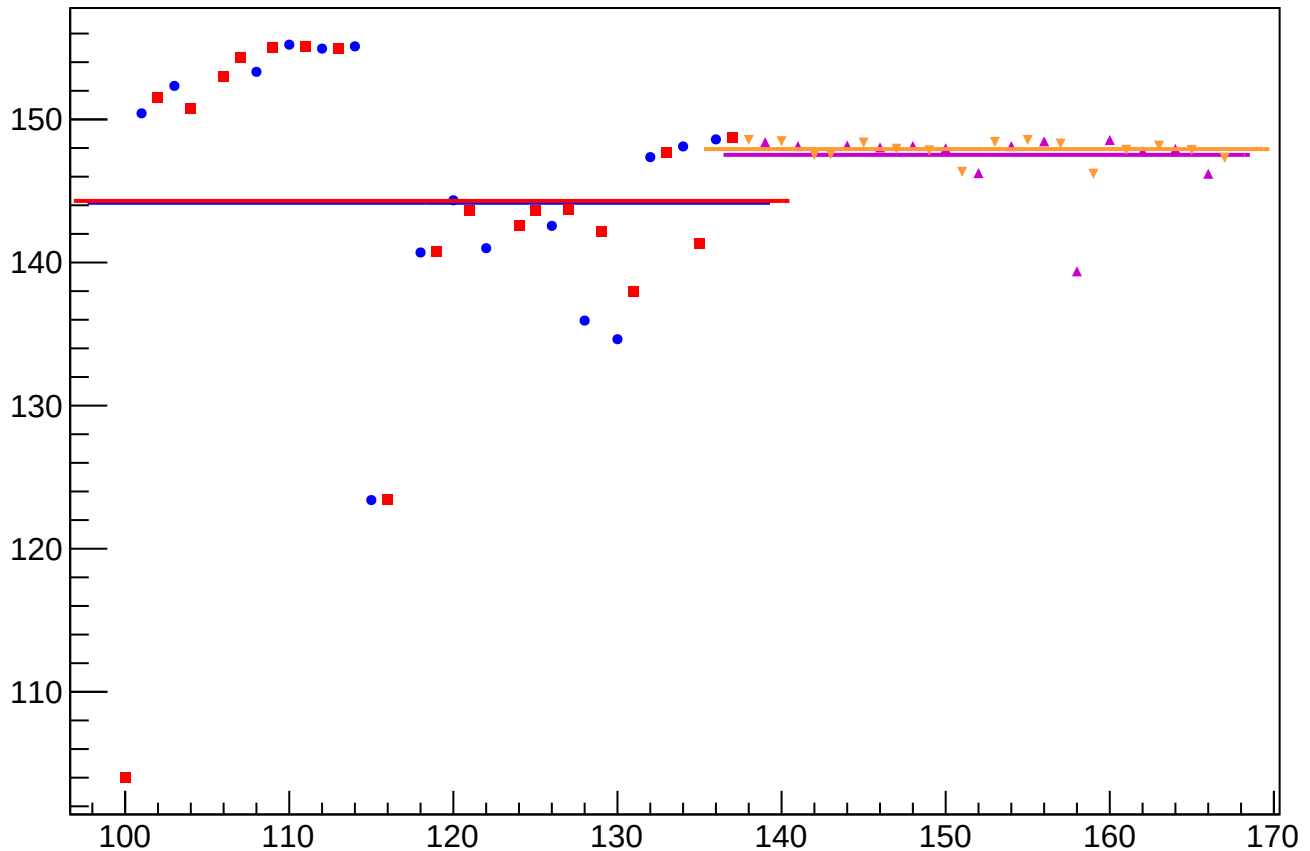
Left In: 0.397 ± 0.000 $\chi^2/\text{NDF}: 952540.6/13$

+ sign 0.361 ± 0.000 $\chi^2/\text{NDF}: 2948053.5/31$

All: 0.363 ± 0.000 $\chi^2/\text{NDF}: 5490010.9/64$

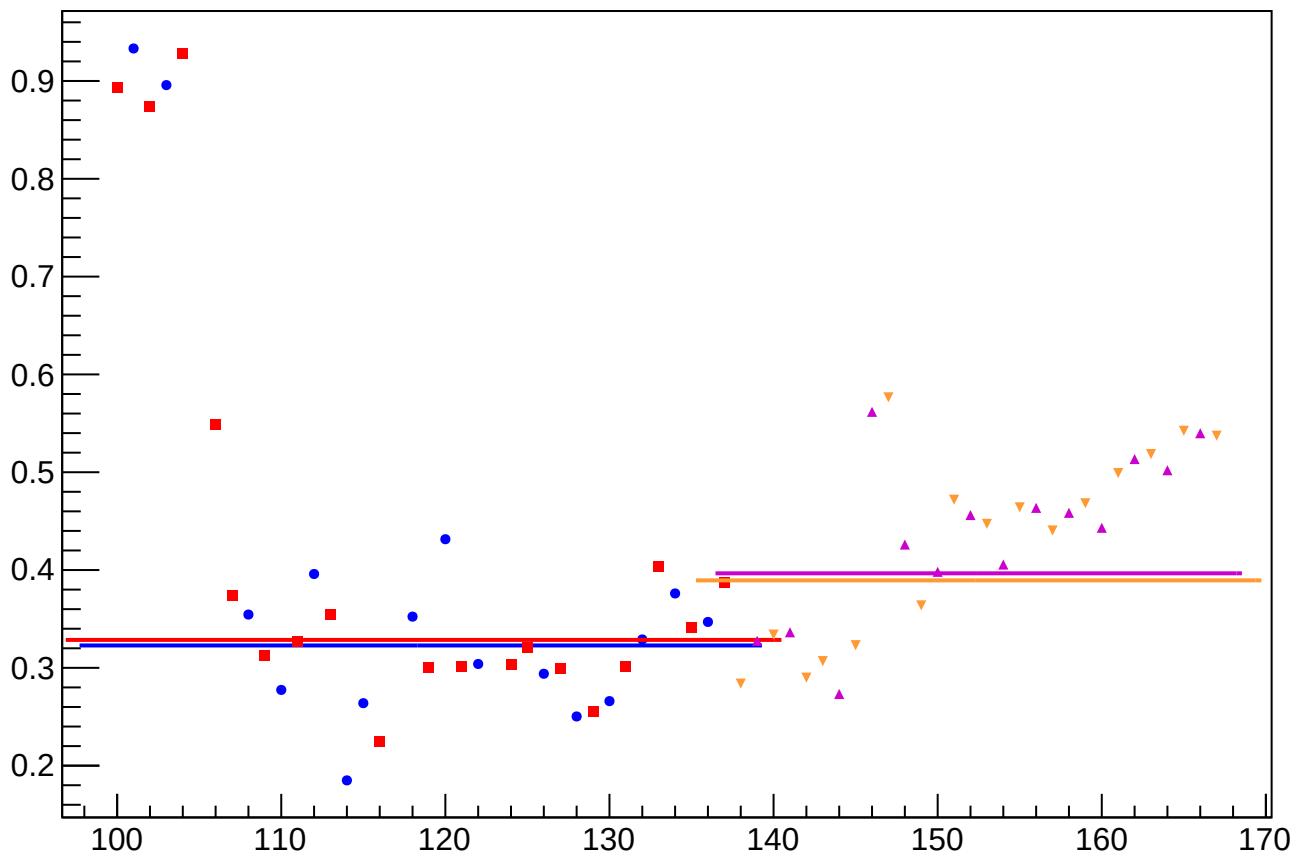
- sign 0.366 ± 0.000 $\chi^2/\text{NDF}: 2539372.5/32$

yield_bcm_an_us_mean vs Slug



Right In: 144.176 ± 0.000 χ^2/NDF : 3724747268.7/15
 Left Out: 147.927 ± 0.000 χ^2/NDF : 33805600.9/15
 Right Out: 144.304 ± 0.000 χ^2/NDF : 4264494940.7/18
 Left In: 147.524 ± 0.000 χ^2/NDF : 288166055.9/13

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF :1275871.0/15

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

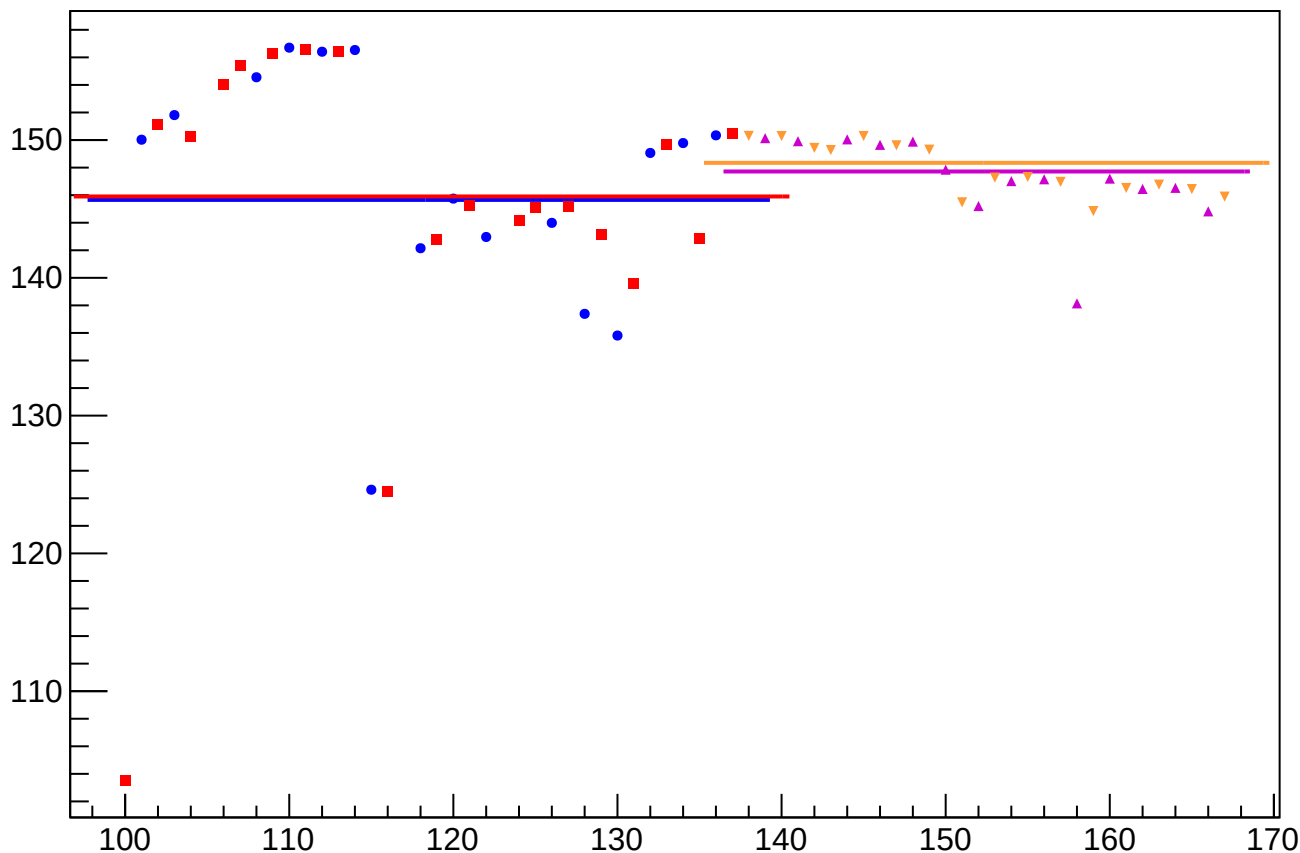
Left In: 0.397+/-0.000 χ^2/NDF :955399.3/13

+ sign 0.361+/-0.000 χ^2/NDF : 2959839.1/31

All: 0.363+/-0.000 χ^2/NDF : 5506699.3/64

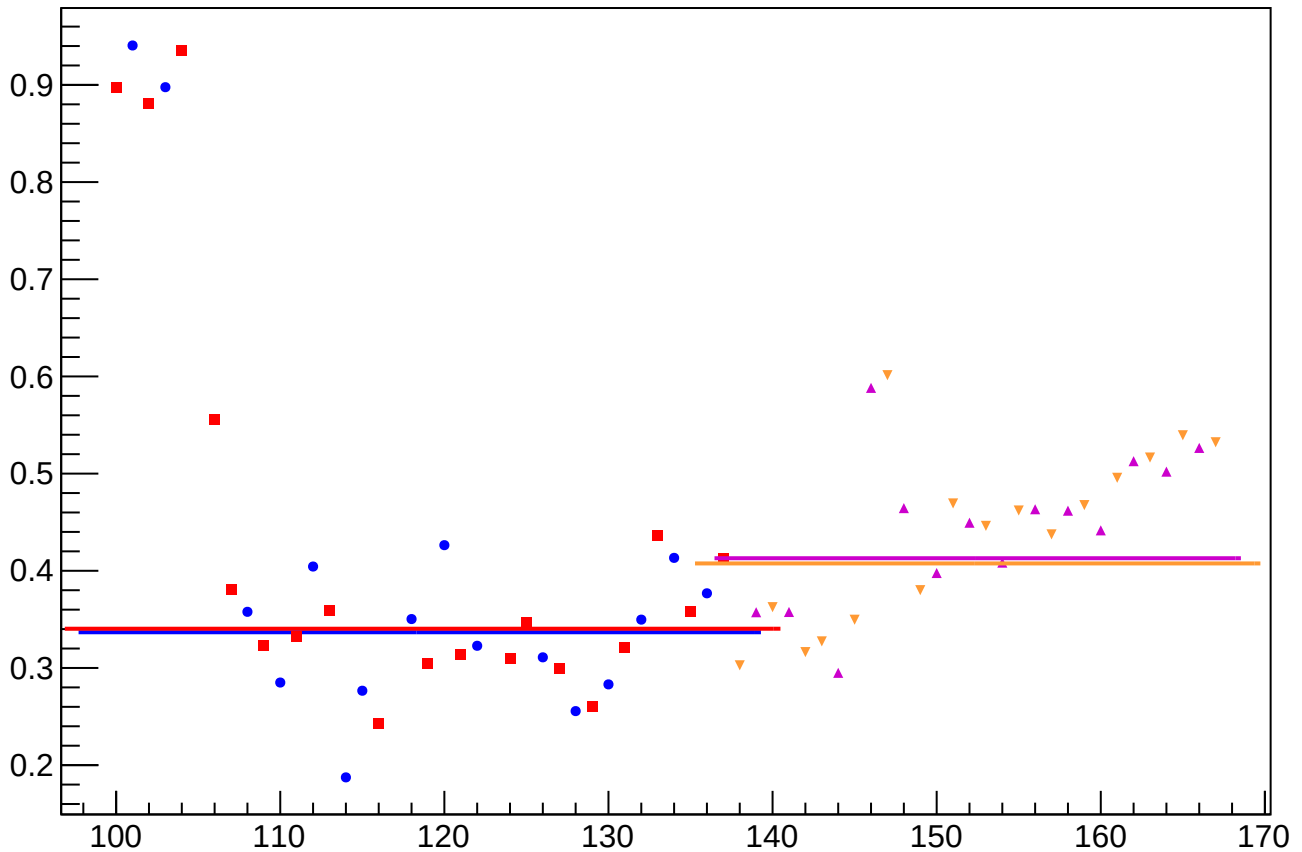
- sign 0.366+/-0.000 χ^2/NDF : 2543963.7/32

yield_bcm_dg_us_mean vs Slug



Right In: 145.657 ± 0.000 χ^2/NDF : 3481495345.2/15
 Left Out: 148.347 ± 0.000 χ^2/NDF : 231134789.0/15
 Right Out: 145.904 ± 0.000 χ^2/NDF : 3863011865.2/18
 Left In: 147.719 ± 0.000 χ^2/NDF : 546239798.4/13
 All: 147.046 ± 0.000 χ^2/NDF : 8437936103.1
 + sign 147.192 ± 0.000 χ^2/NDF : 3929223832.4/31
 - sign 146.891 ± 0.000 χ^2/NDF : 4503324015.2/32

yield_bcm_dg_us_rms vs Slug



Right In: 0.337 ± 0.000 χ^2/NDF : 1370512.1/15

Left Out: 0.408 ± 0.000 χ^2/NDF : 950905.1/15

Right Out: 0.340 ± 0.000 χ^2/NDF : 1274717.4/18

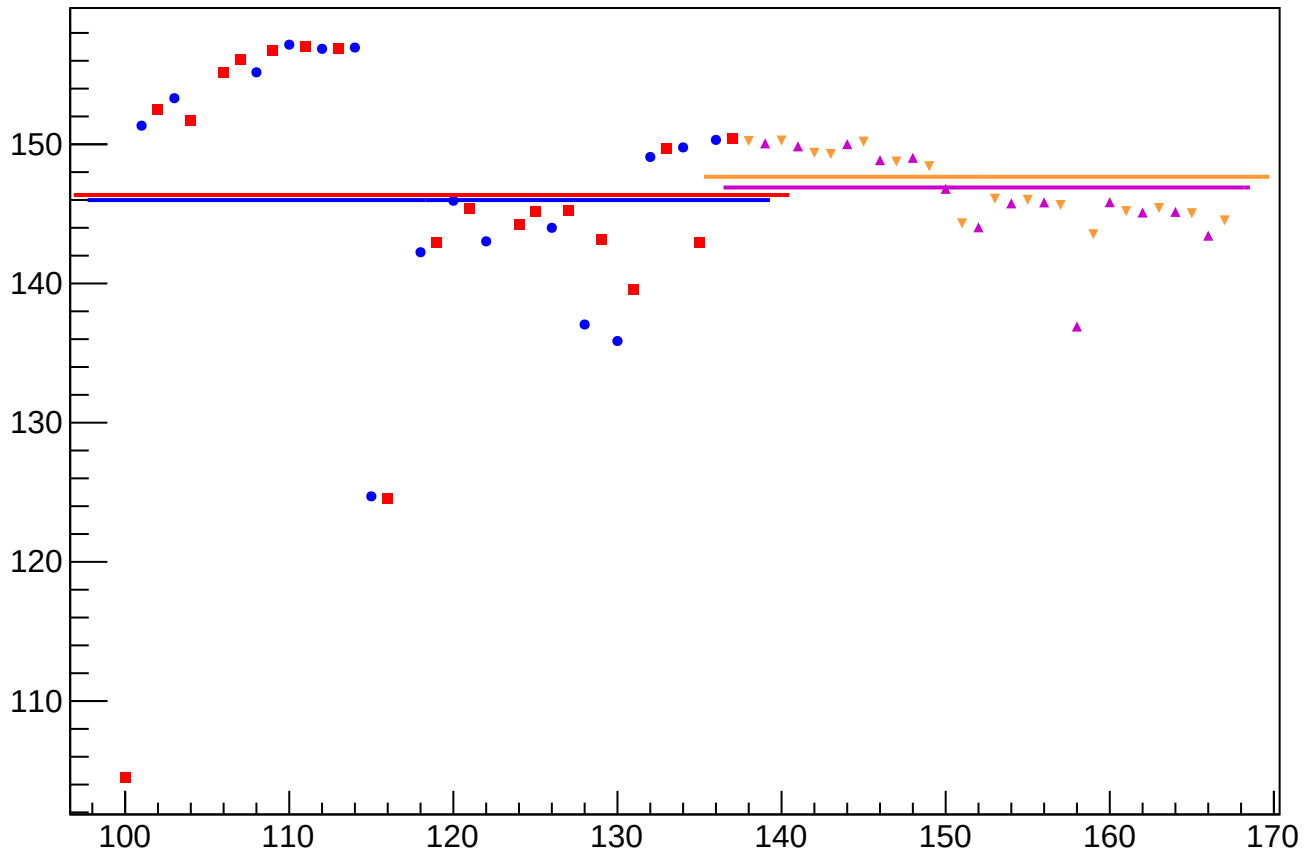
Left In: 0.413 ± 0.000 χ^2/NDF : 730261.6/13

+ sign 0.377 ± 0.000 χ^2/NDF : 2621696.0/31

All: 0.378 ± 0.000 χ^2/NDF : 4928341.3/64

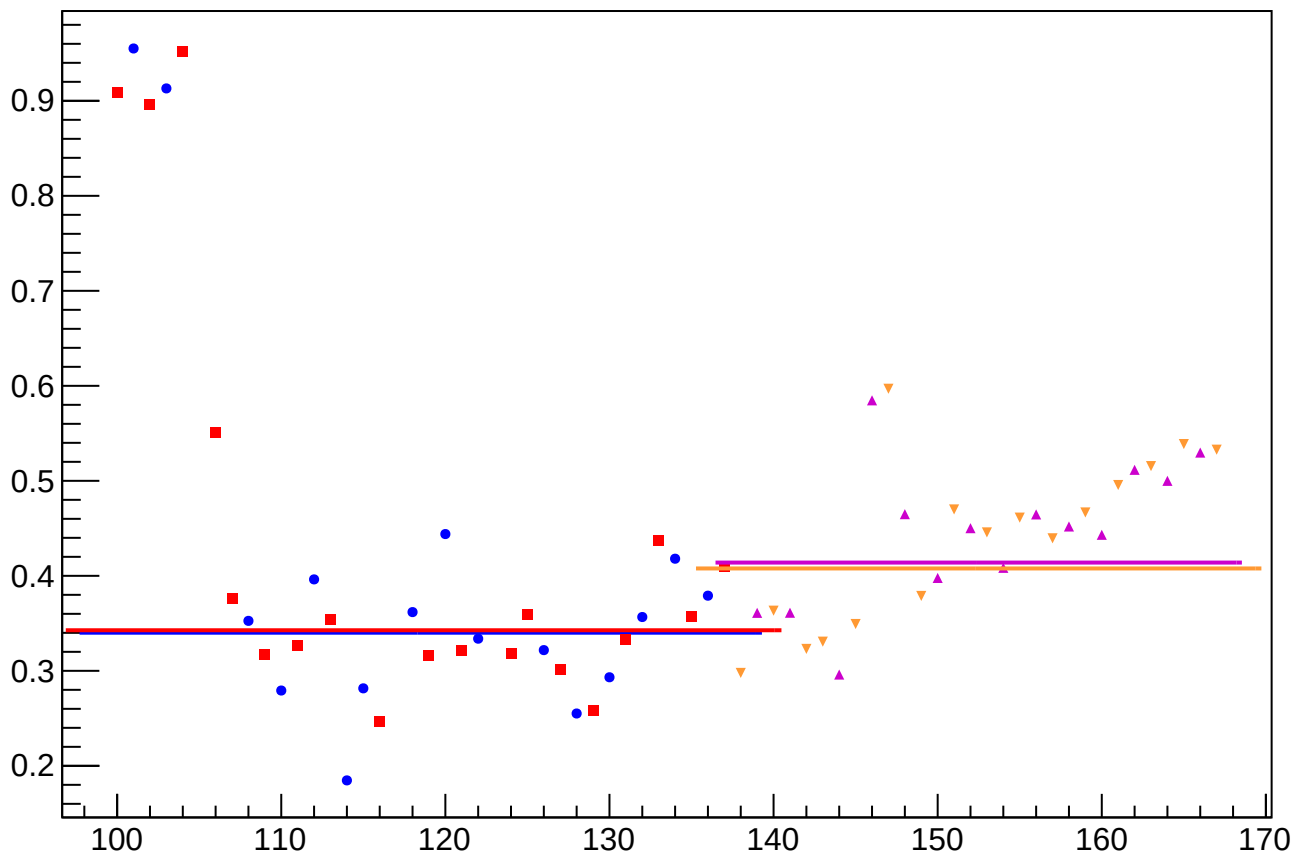
- sign 0.380 ± 0.000 χ^2/NDF : 2305811.4/32

yield_bcm_dg_ds_mean vs Slug



Right In: 145.993 ± 0.000 χ^2/NDF : 3621634656.4/15
 Left Out: 147.662 ± 0.000 χ^2/NDF : 388459867.8/15
 Right Out: 146.358 ± 0.000 χ^2/NDF : 3963122316.1/18
 Left In: 146.897 ± 0.000 χ^2/NDF : 717263099.6/13
 All: 146.808 ± 0.000 χ^2/NDF : 8786286696.9
 + sign 146.954 ± 0.000 χ^2/NDF : 4092363294.1/31
 - sign 146.653 ± 0.000 χ^2/NDF : 4688576057.4/32

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340 ± 0.000 $\chi^2/\text{NDF}: 1393222.3/15$

Left Out: 0.408 ± 0.000 $\chi^2/\text{NDF}: 944483.7/15$

Right Out: 0.343 ± 0.000 $\chi^2/\text{NDF}: 1270731.2/18$

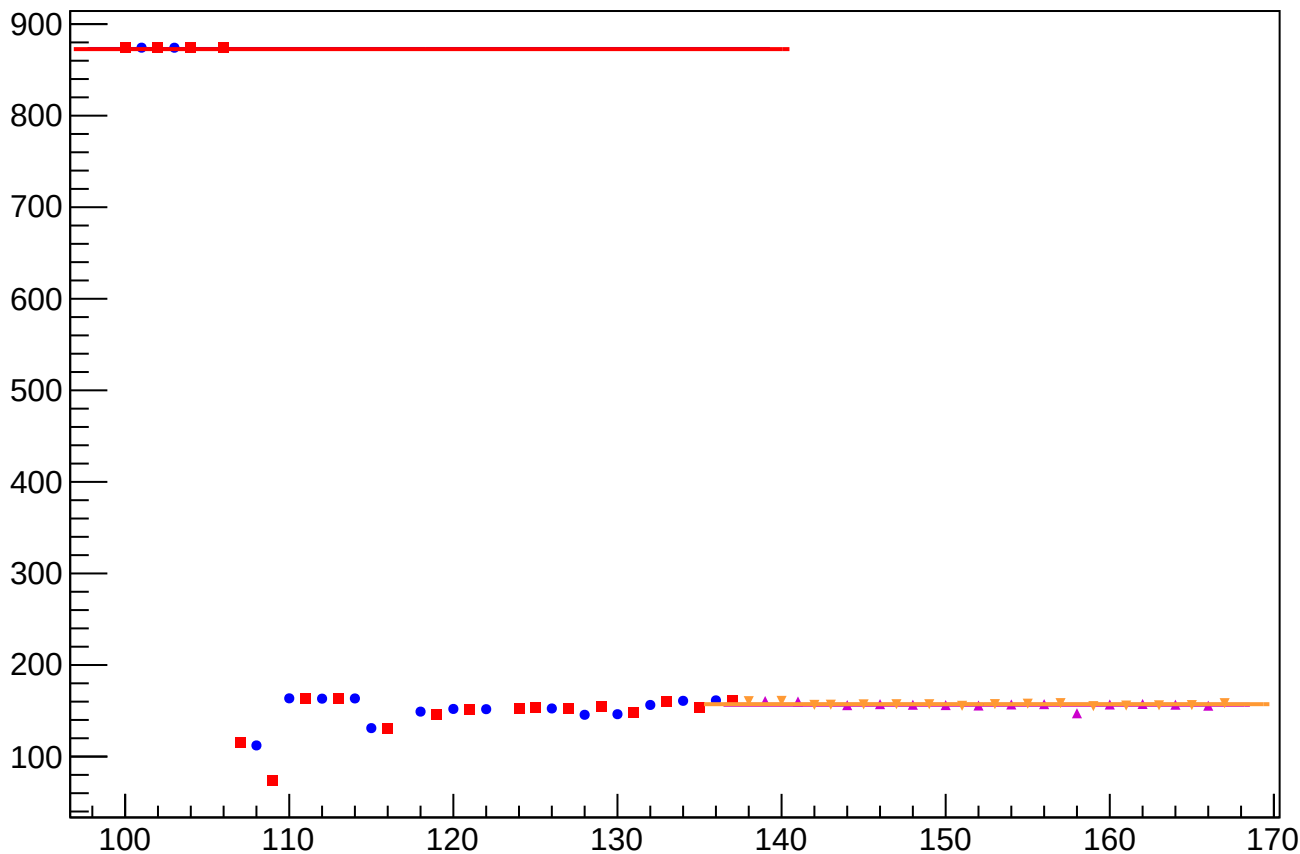
Left In: 0.414 ± 0.000 $\chi^2/\text{NDF}: 701427.6/13$

+ sign 0.379 ± 0.000 $\chi^2/\text{NDF}: 2607500.4/31$

All: 0.380 ± 0.000 $\chi^2/\text{NDF}: 4867415.9/64$

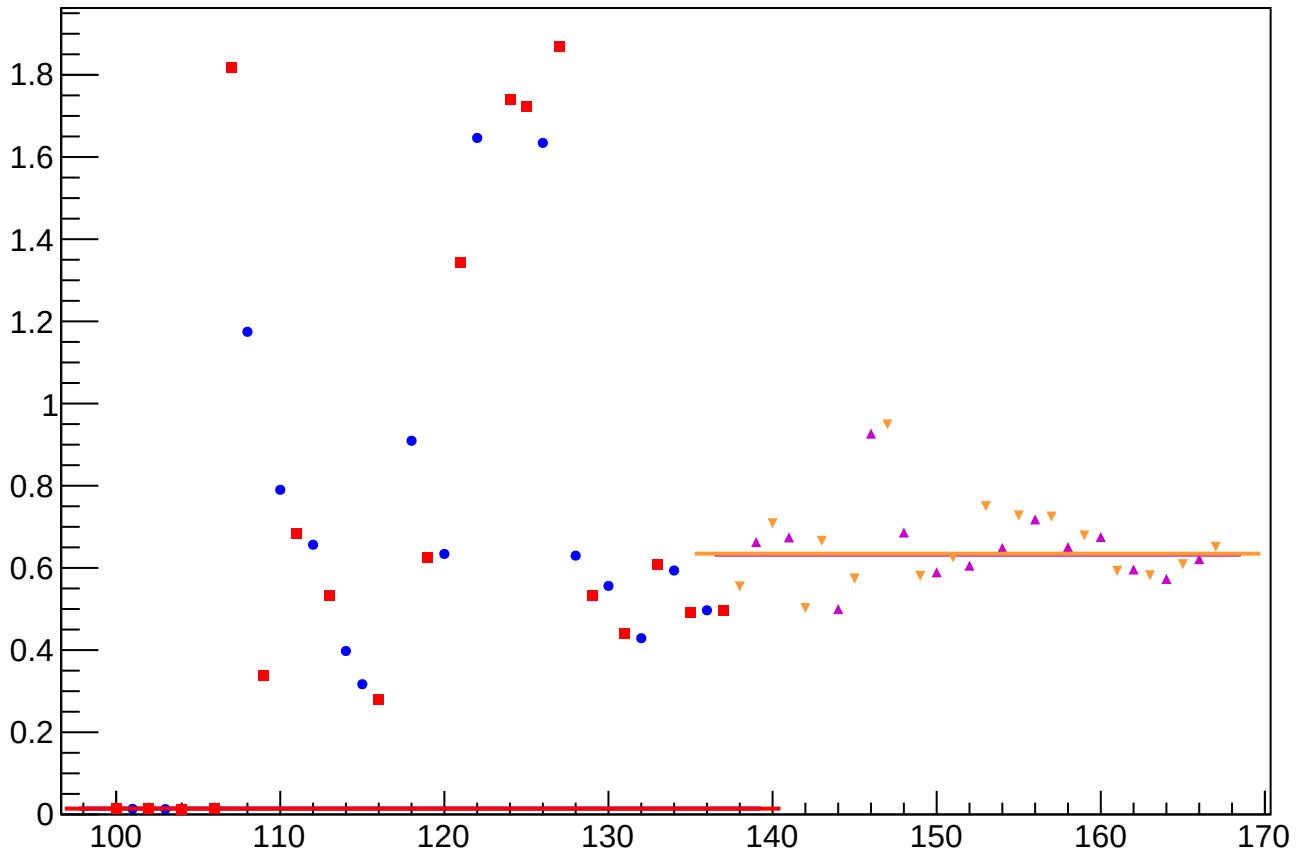
- sign 0.382 ± 0.000 $\chi^2/\text{NDF}: 2259154.1/32$

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF : 7191496833472.3/15
 Left Out: 157.216+/-0.000 χ^2/NDF : 65087777.3/15
 Right Out: 872.676+/-0.000 χ^2/NDF : 9167298490018.9/18
 Left In: 156.574+/-0.000 χ^2/NDF : 167202348.3/13

yield_cav4bQ_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 9622176.3/15

Left Out: 0.635 $\pm$ 0.000 χ^2 /NDF:302600.4/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 9410025.7/18

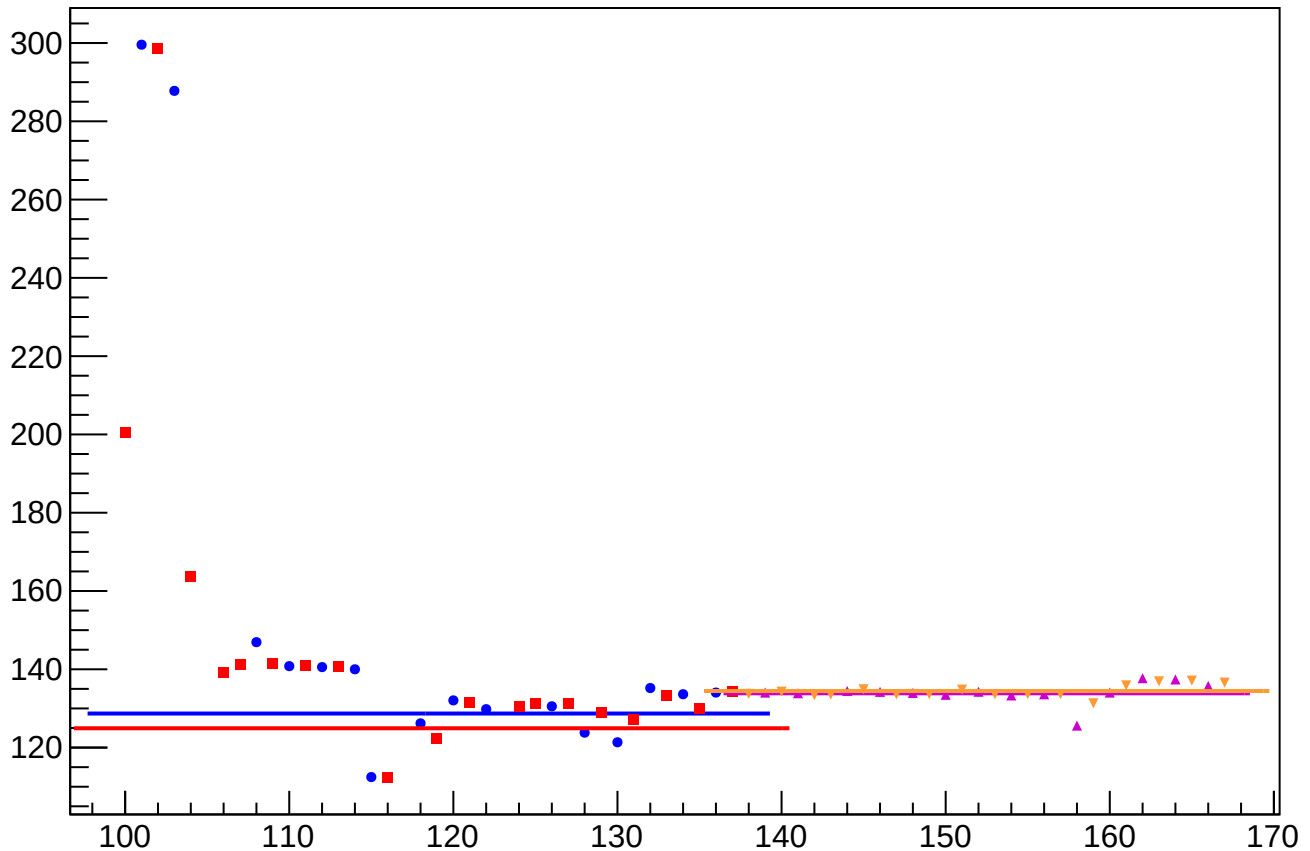
Left In: 0.632 $\pm$ 0.000 χ^2 /NDF:243776.2/13

+ sign 0.016 $\pm$ 0.000 χ^2 /NDF: 27147554.8/31

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 52441902.2/64

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 25292045.4/32

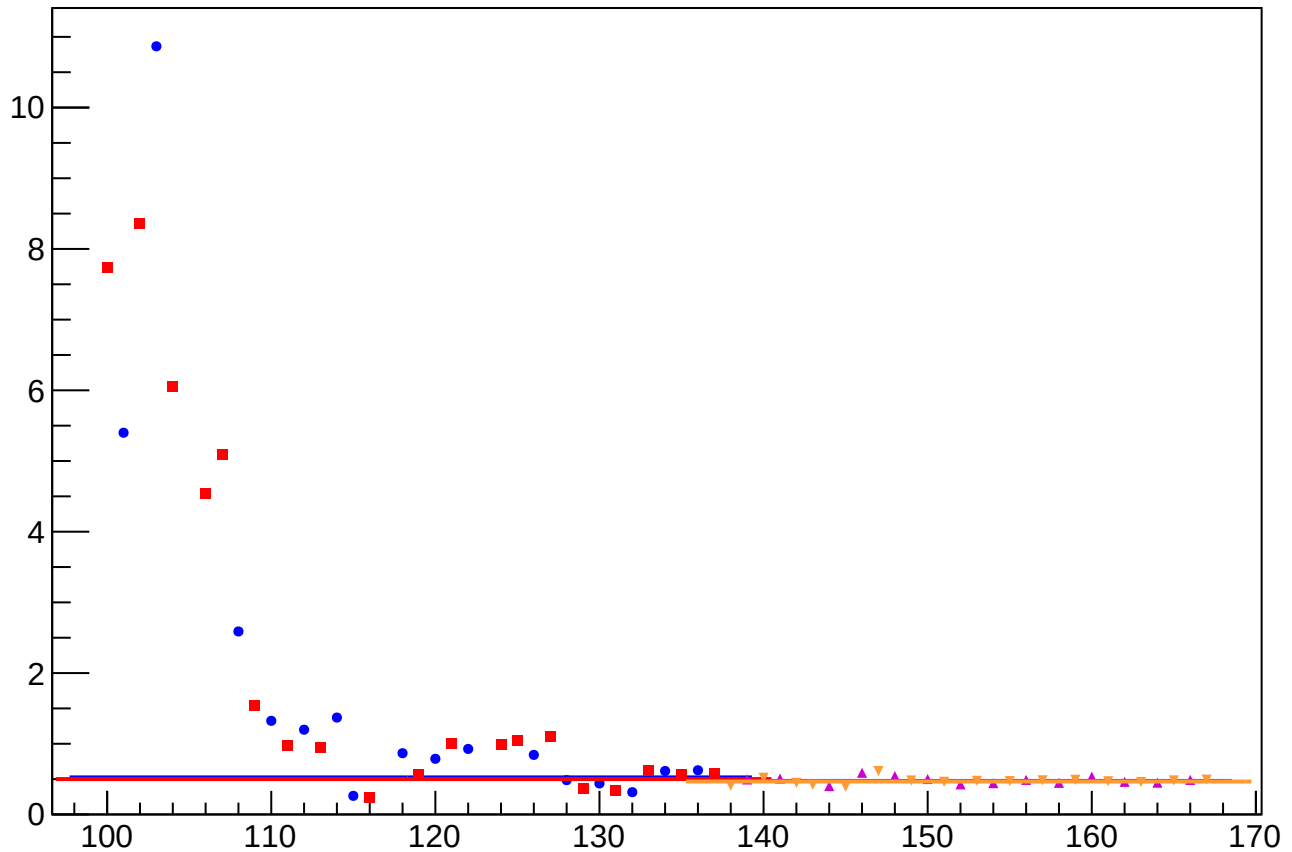
yield_cav4cQ_mean vs Slug



Right In: 128.701 $\pm$ 0.000 χ^2 /NDF: 1656162604.0/15
 Left Out: 134.449 $\pm$ 0.000 χ^2 /NDF: 116145384.9/15
 Right Out: 124.935 $\pm$ 0.000 χ^2 /NDF: 1397923053.7/18
 Left In: 133.865 $\pm$ 0.000 χ^2 /NDF: 367573652.8/13

+ sign 133.258 $\pm$ 0.000 χ^2 /NDF: 2122525251.2/31
 All: 132.536 $\pm$ 0.000 χ^2 /NDF: 4812093725.0
 - sign 131.750 $\pm$ 0.000 χ^2 /NDF: 2619265053.4/32

yield_cav4cQ_rms vs Slug



Right In: 0.524 ± 0.000 χ^2/NDF : 4138409.3/15

Left Out: 0.466 ± 0.000 χ^2/NDF : 201515.3/15

Right Out: 0.501 ± 0.000 χ^2/NDF : 4884137.3/18

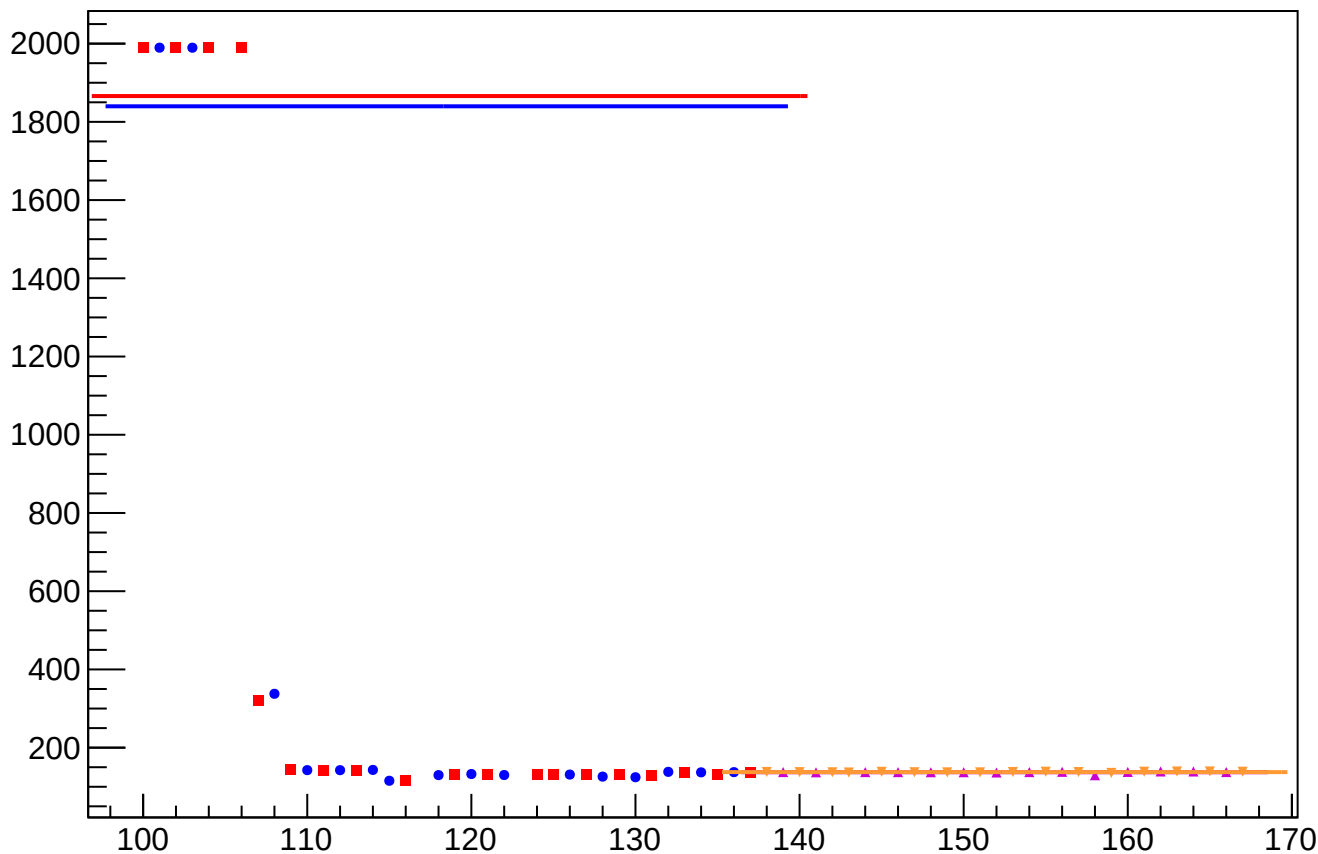
Left In: 0.474 ± 0.000 χ^2/NDF : 215259.2/13

+ sign 0.478 ± 0.000 χ^2/NDF : 4411339.6/31

All: 0.479 ± 0.000 χ^2/NDF : 9526149.7/64

- sign 0.480 ± 0.000 χ^2/NDF : 5114500.6/32

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF : 145916014549797.4/15

Left Out: 137.467+/-0.000 χ^2/NDF : 58227228.7/15

Right Out: 1865.968+/-0.000 χ^2/NDF : 142769122276045.8/18

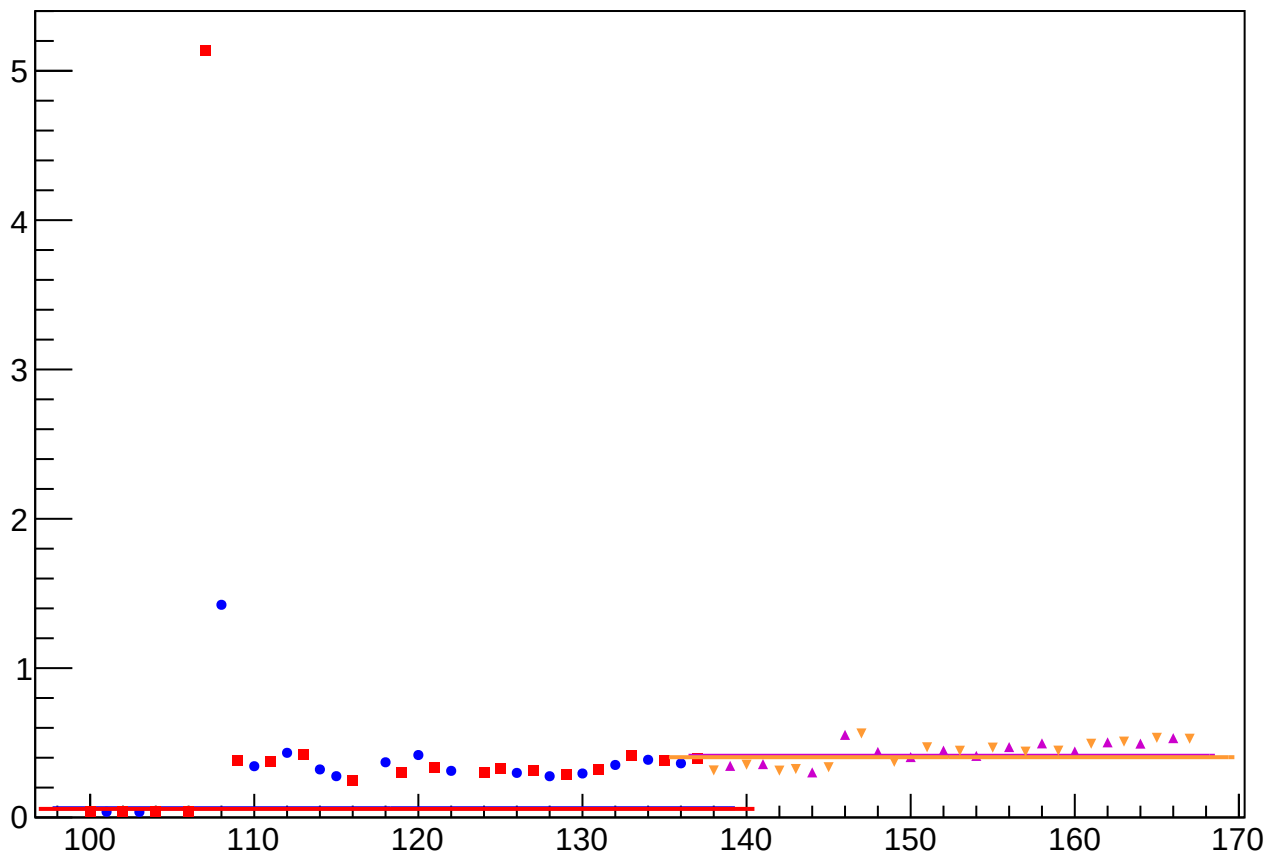
Left In: 137.181+/-0.000 χ^2/NDF : 225969083.6/13

+ sign 1649.212+/-0.000 χ^2/NDF : 33093531326731

All: 1684.954+/-0.000 χ^2/NDF : 64738882379

- sign 1716.443+/-0.000 χ^2/NDF : 31491028437978

yield_cav4dQ_rms vs Slug



Right In: 0.062 ± 0.000 χ^2/NDF : 8173578.9/15

Left Out: 0.404 ± 0.000 χ^2/NDF : 896618.6/15

Right Out: 0.057 ± 0.000 χ^2/NDF : 7741927.9/18

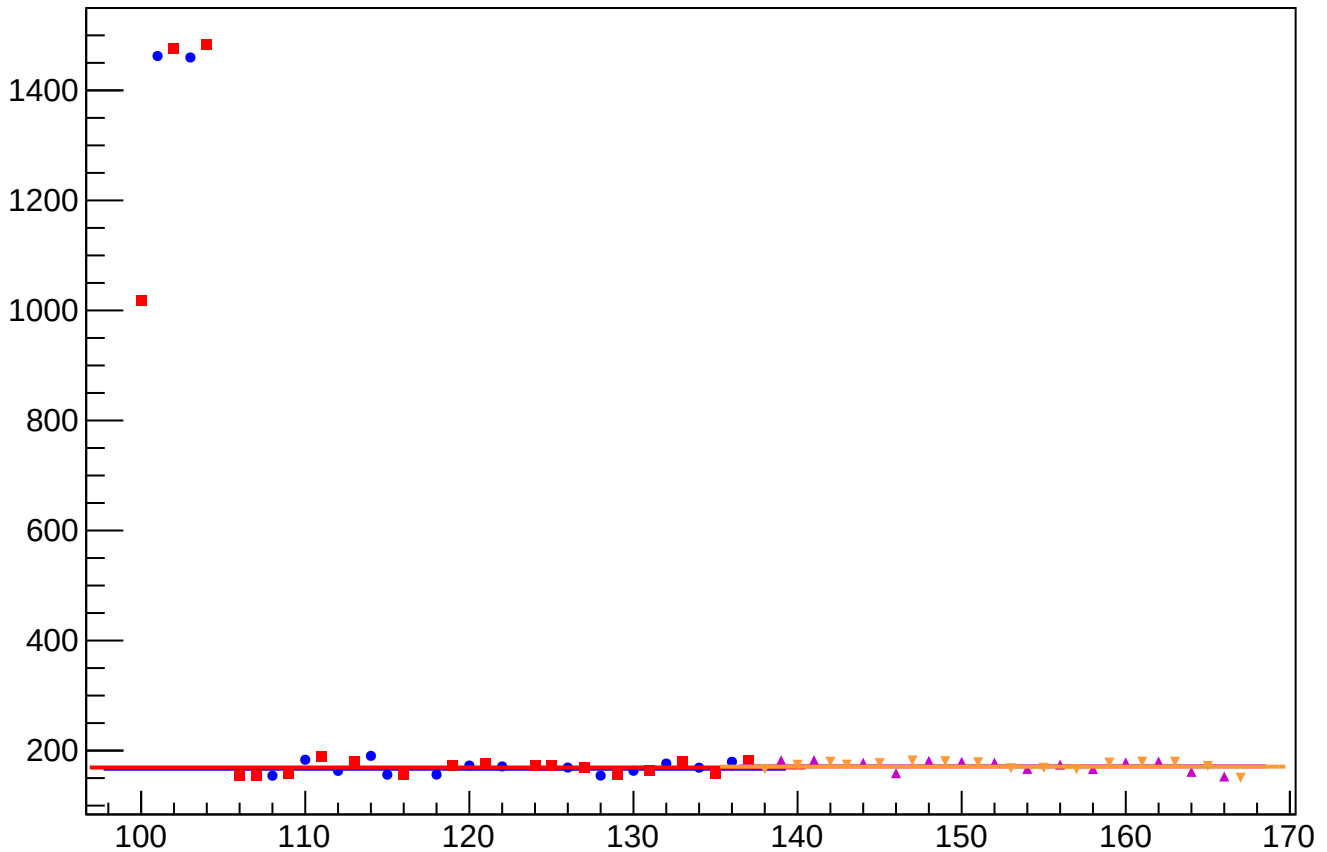
Left In: 0.413 ± 0.000 χ^2/NDF : 680926.7/13

+ sign 0.100 ± 0.000 χ^2/NDF : 23984519.4/31

All: 0.094 ± 0.000 χ^2/NDF : 47090290.0/64

- sign 0.088 ± 0.000 χ^2/NDF : 23007964.3/32

yield_bcm0l02_mean vs Slug



Right In: 167.017 $\pm$ 0.000 χ^2 /NDF: 14614977518.5/15

Left Out: 170.792 $\pm$ 0.000 χ^2 /NDF: 1146795746.4/15

Right Out: 169.257 $\pm$ 0.000 χ^2 /NDF: 16317542946.8/18

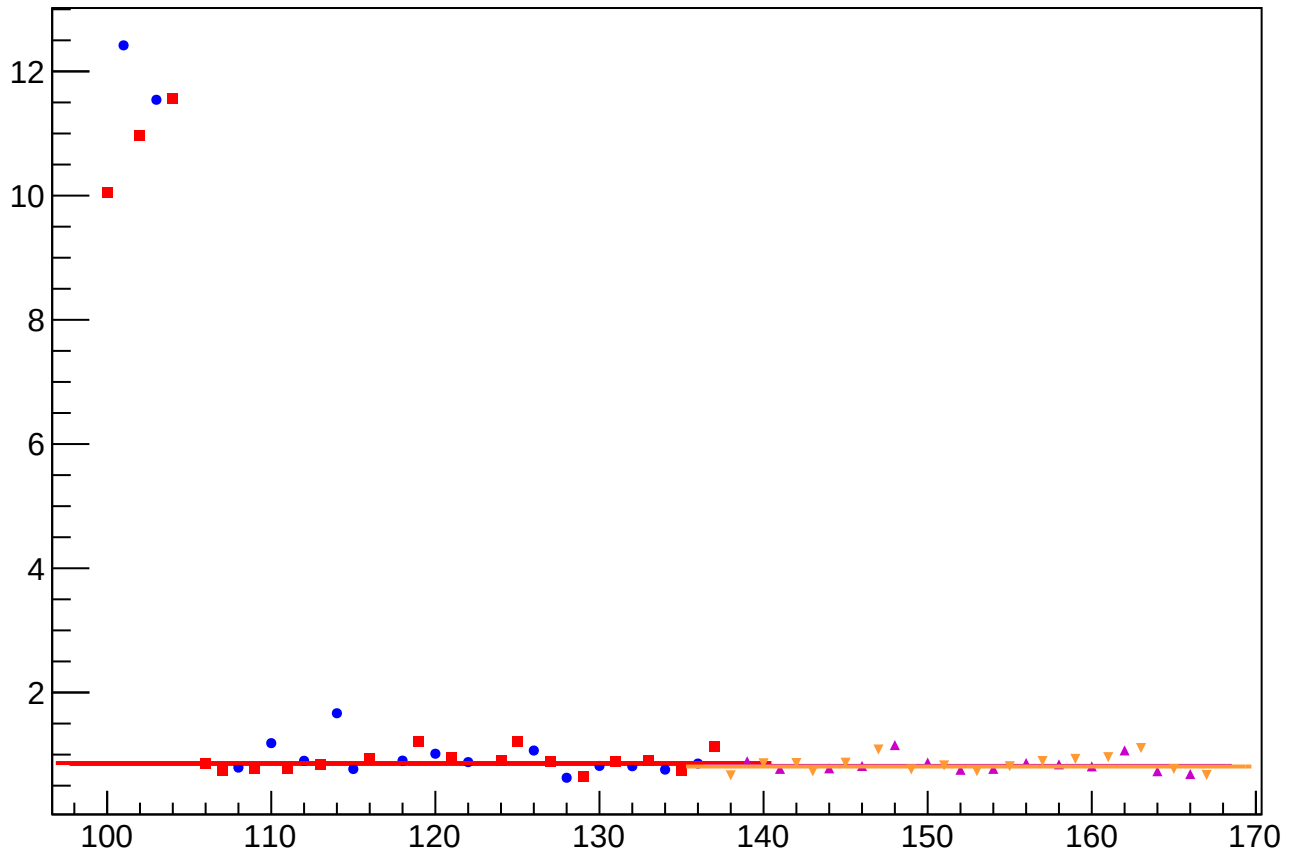
Left In: 171.366 $\pm$ 0.000 χ^2 /NDF: 1086818888.1/13

+ sign 169.654 $\pm$ 0.000 χ^2 /NDF: 15814484935.3/31

All: 170.138 $\pm$ 0.000 χ^2 /NDF: 33243526325.0

- sign 170.660 $\pm$ 0.000 χ^2 /NDF: 17420483181.2/32

yield_bcm0l02_rms vs Slug



Right In: 0.853 ± 0.000 χ^2/NDF : 2302297.2/15

Left Out: 0.808 ± 0.000 χ^2/NDF : 346757.0/15

Right Out: 0.864 ± 0.000 χ^2/NDF : 2209232.6/18

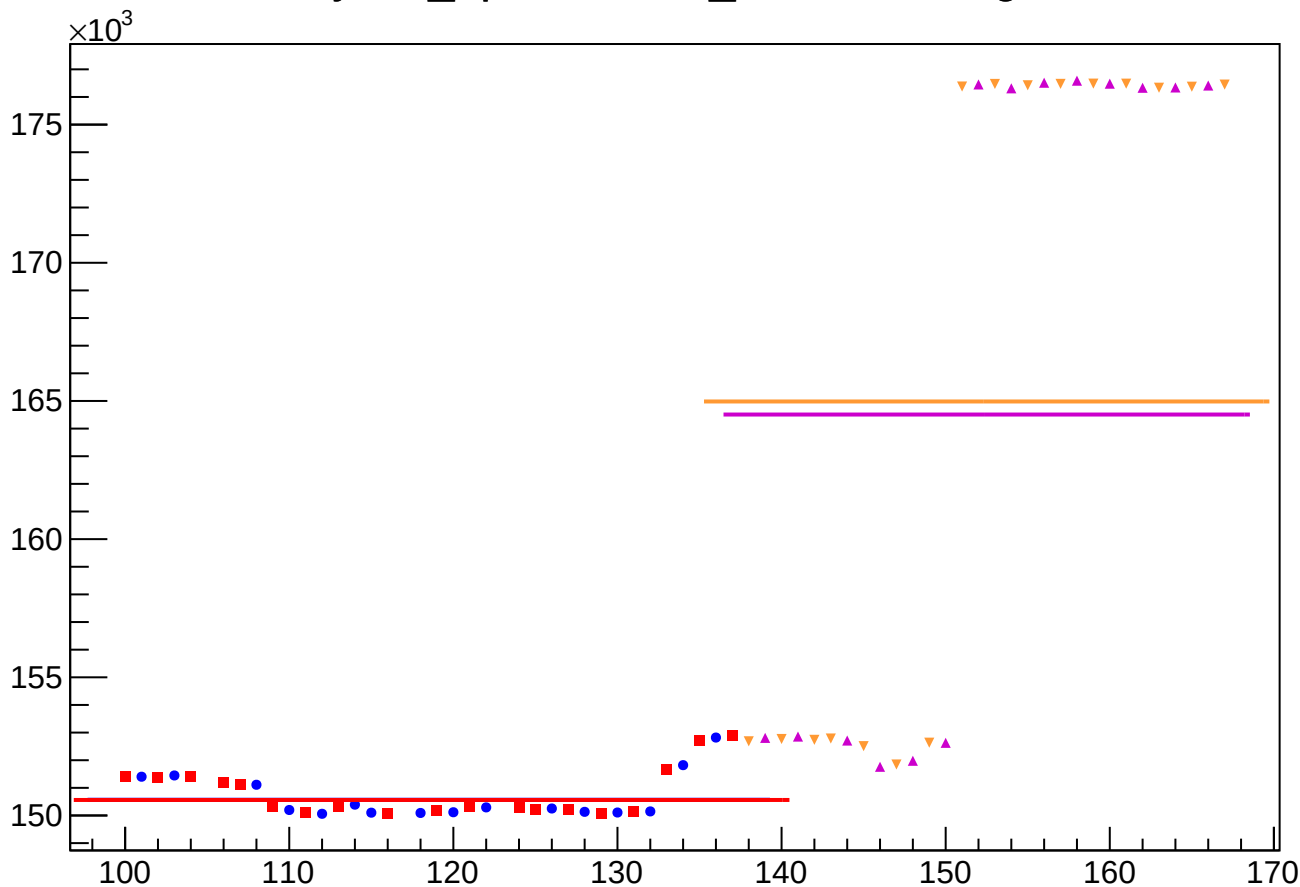
Left In: 0.818 ± 0.000 χ^2/NDF : 240500.8/13

+ sign 0.822 ± 0.000 χ^2/NDF : 2663837.3/31

All: 0.827 ± 0.000 χ^2/NDF : 5131447.8/64

- sign 0.834 ± 0.000 χ^2/NDF : 2465277.6/32

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 $\pm$ 0.055 χ^2 /NDF: 237155171.8/15

Left Out: 164981.361 $\pm$ 0.053 χ^2 /NDF: 50443129676.6/15

Right Out: 150561.647 $\pm$ 0.051 χ^2 /NDF: 197500782.5/18

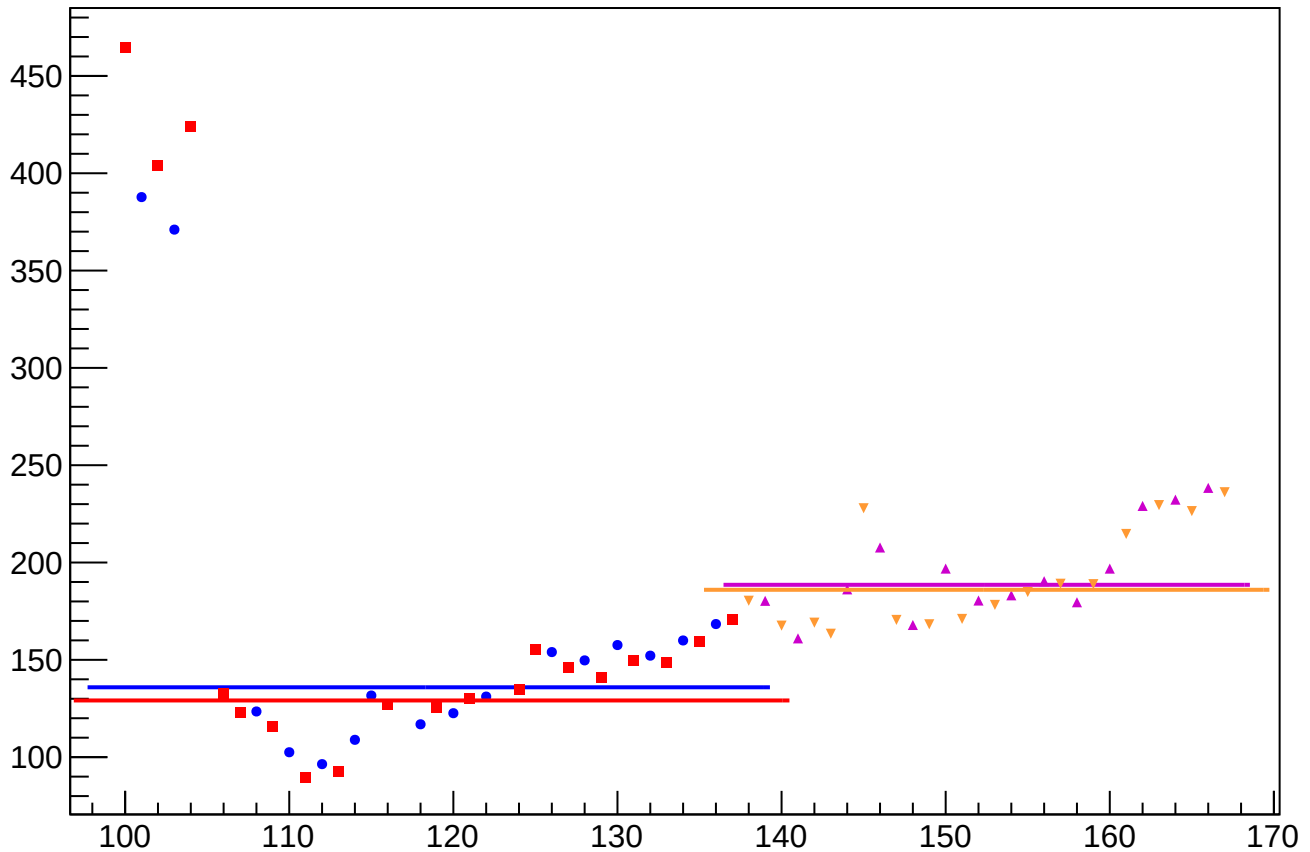
Left In: 164508.781 $\pm$ 0.056 χ^2 /NDF: 45401456457.4/13

+ sign 157974.509 $\pm$ 0.038 χ^2 /NDF: 86470825729.1

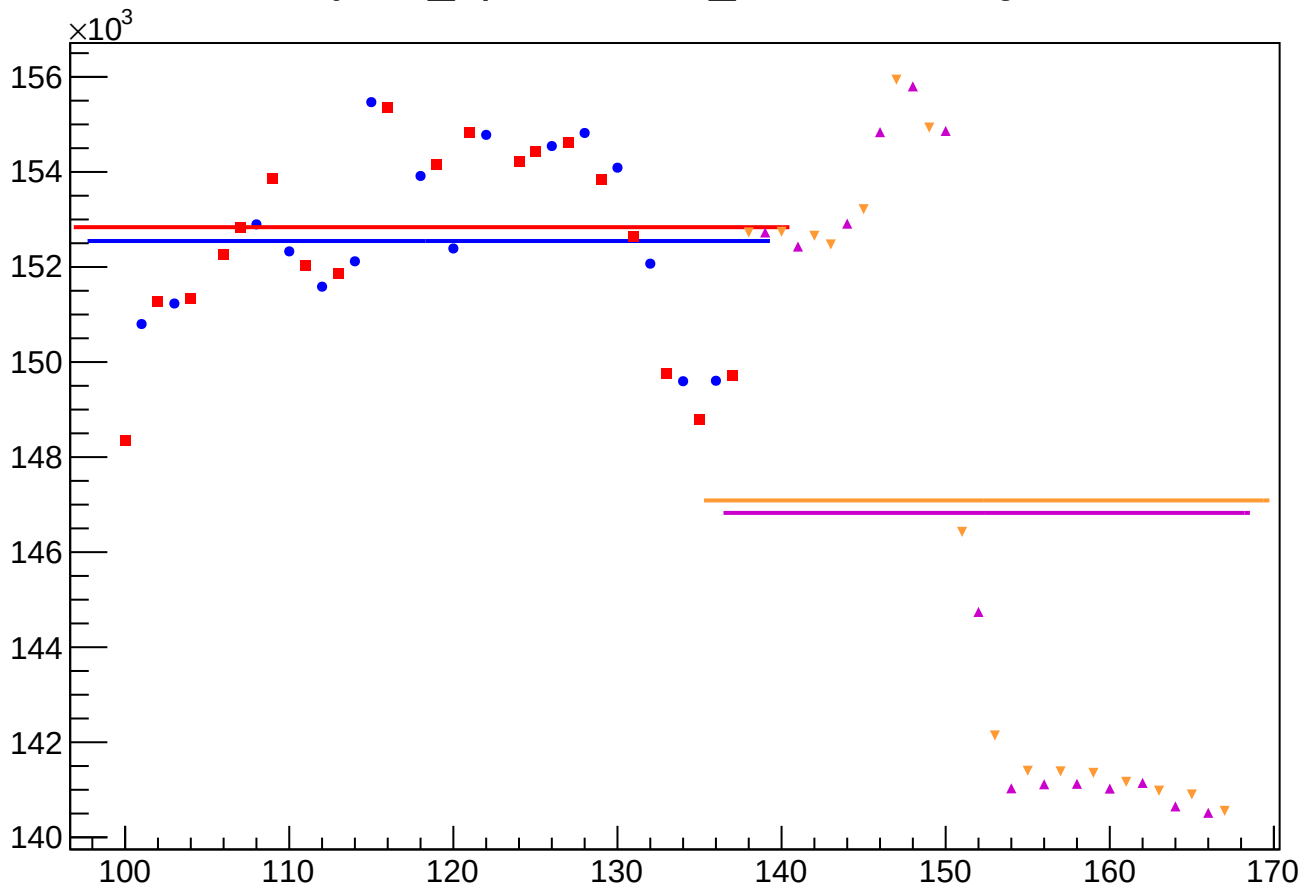
All: 157409.612 $\pm$ 0.027 χ^2 /NDF: 166270384.1

- sign 156853.800 $\pm$ 0.038 χ^2 /NDF: 79362910905.5

yield_bpm2i01WS_rms vs Slug



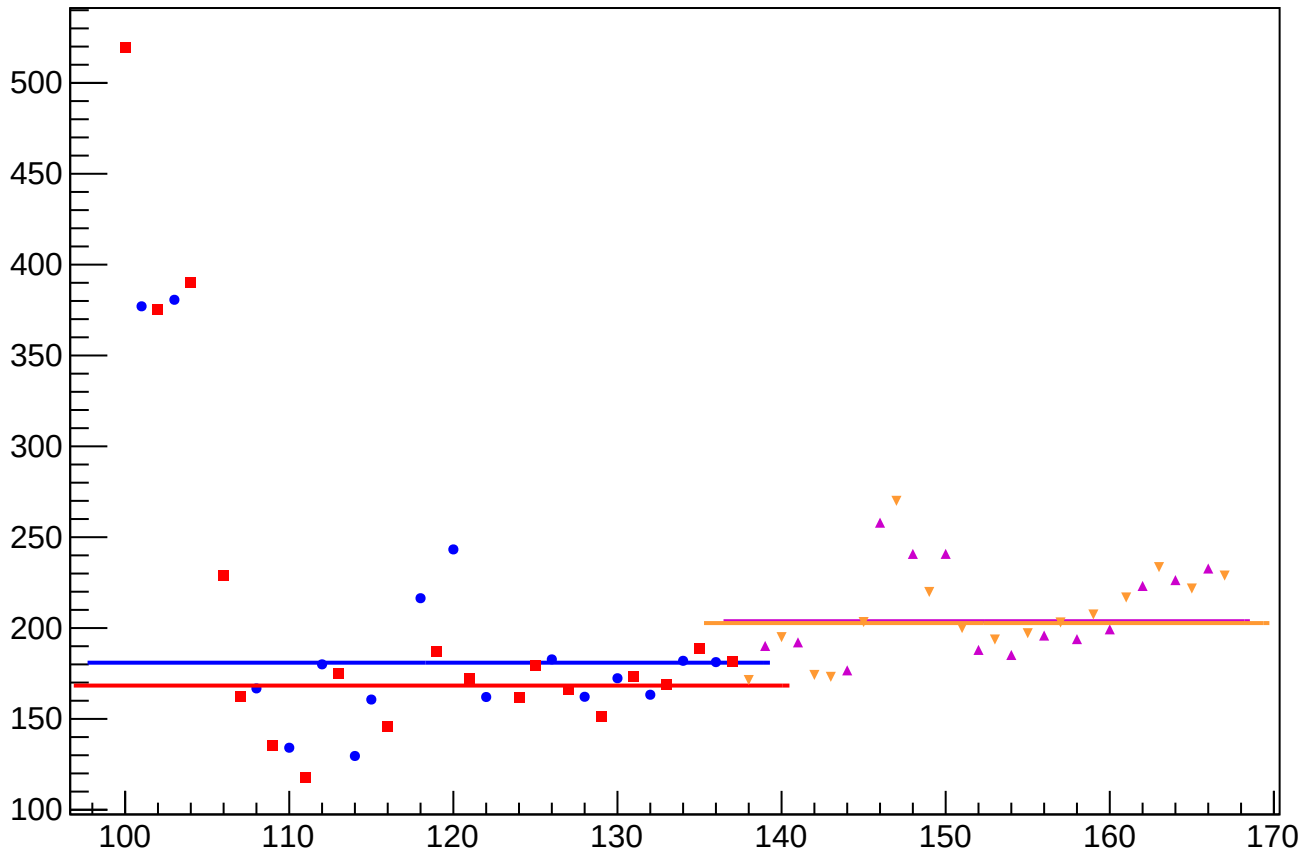
yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 ± 0.073 $\chi^2/\text{NDF}: 654540559.6/15$
 Left Out: 147088.231 ± 0.058 $\chi^2/\text{NDF}: 10131633182.9/15$
 Right Out: 152837.888 ± 0.067 $\chi^2/\text{NDF}: 736907066.8/18$
 Left In: 146826.130 ± 0.061 $\chi^2/\text{NDF}: 9997083779.0/13$

All: 149391.366 ± 0.032 $\chi^2/\text{NDF}: 294271618$
 + sign 149214.903 ± 0.045 $\chi^2/\text{NDF}: 14235507390$
 - sign 149565.278 ± 0.045 $\chi^2/\text{NDF}: 15161557656.5$

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 ± 0.051 $\chi^2/\text{NDF}: 907758.2/15$

Left Out: 202.738 ± 0.041 $\chi^2/\text{NDF}: 305692.3/15$

Right Out: 168.349 ± 0.047 $\chi^2/\text{NDF}: 1089090.2/18$

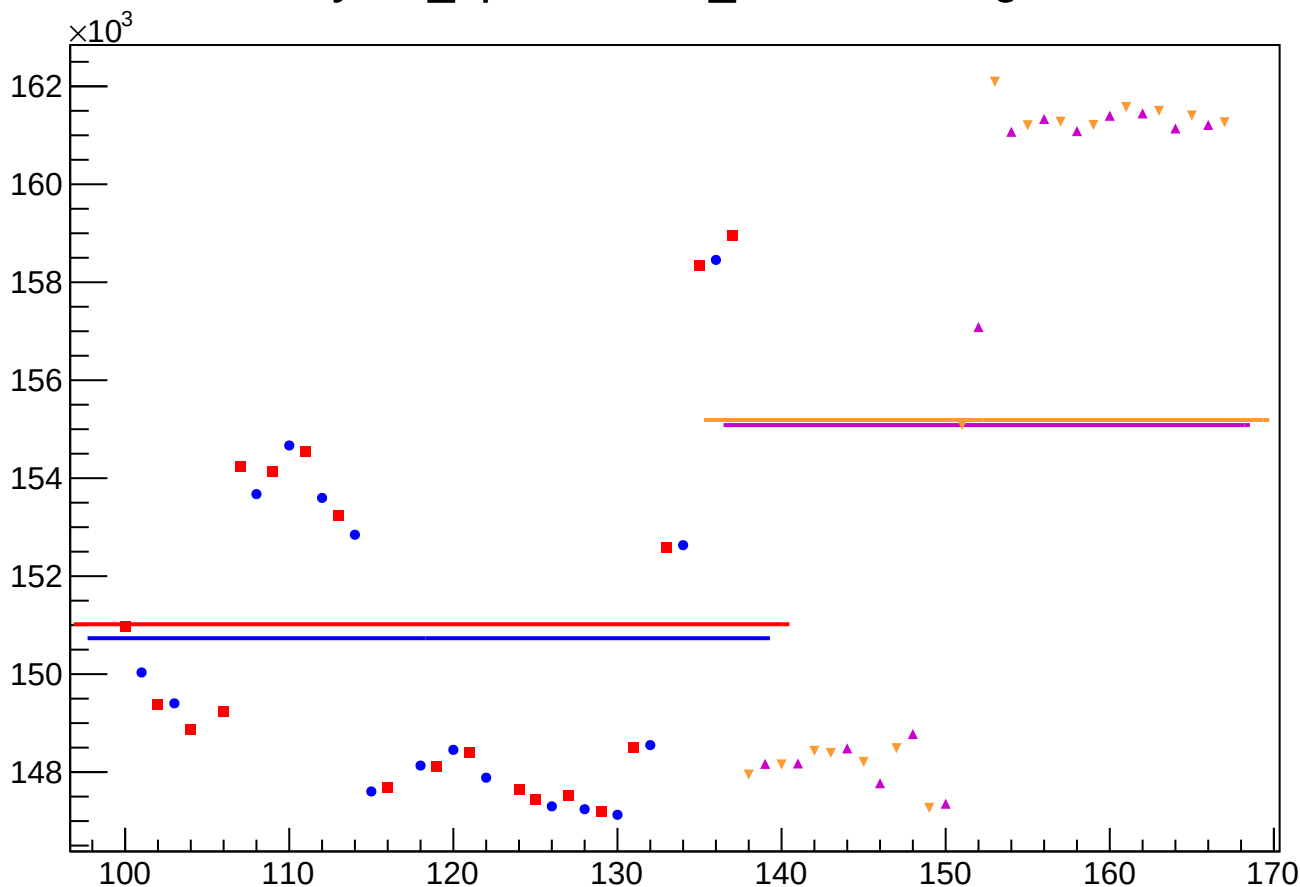
Left In: 203.766 ± 0.043 $\chi^2/\text{NDF}: 292680.9/13$

+ sign 194.245 ± 0.032 $\chi^2/\text{NDF}: 1323472.2/31$

All: 190.913 ± 0.023 $\chi^2/\text{NDF}: 3034047.0/64$

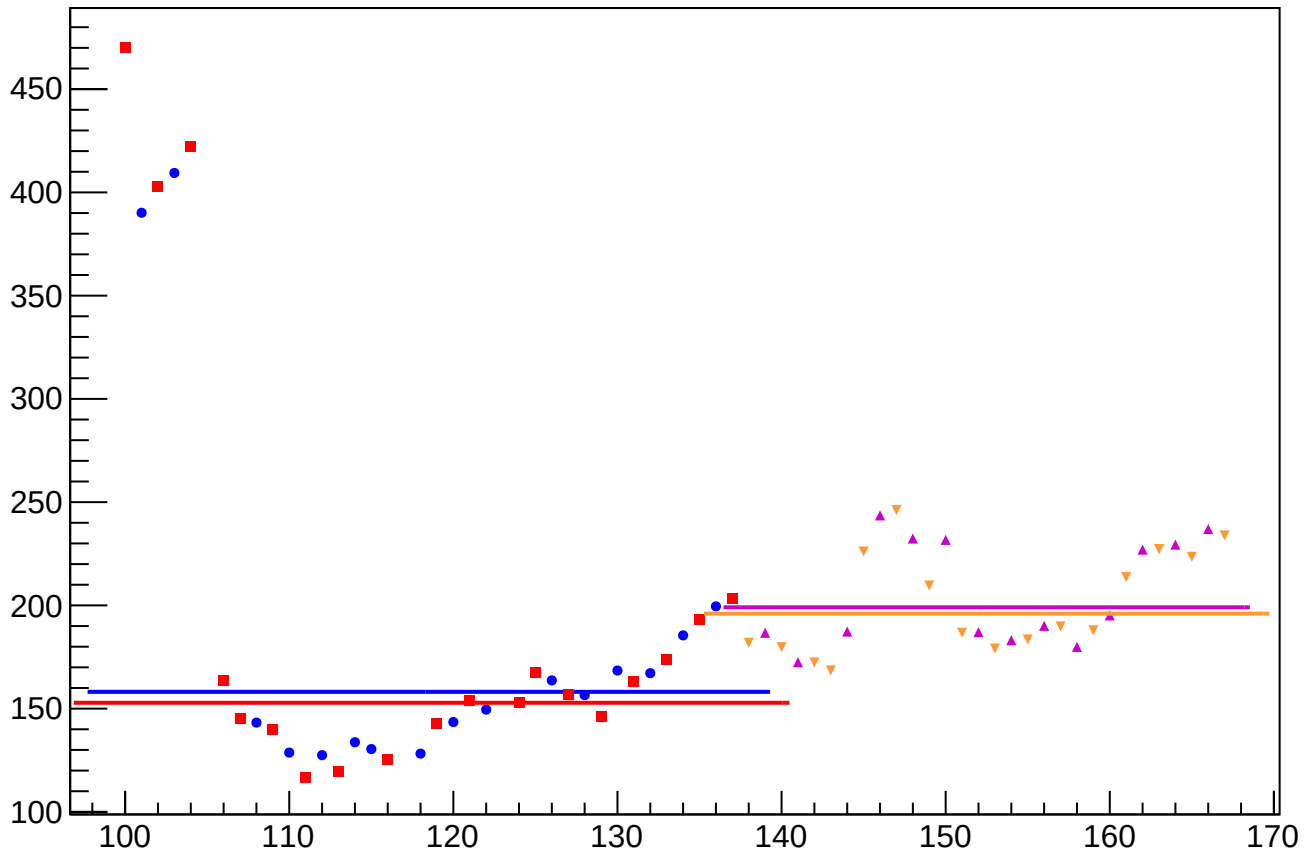
- sign 187.629 ± 0.032 $\chi^2/\text{NDF}: 1689114.9/32$

yield_bpm0i01WS_mean vs Slug



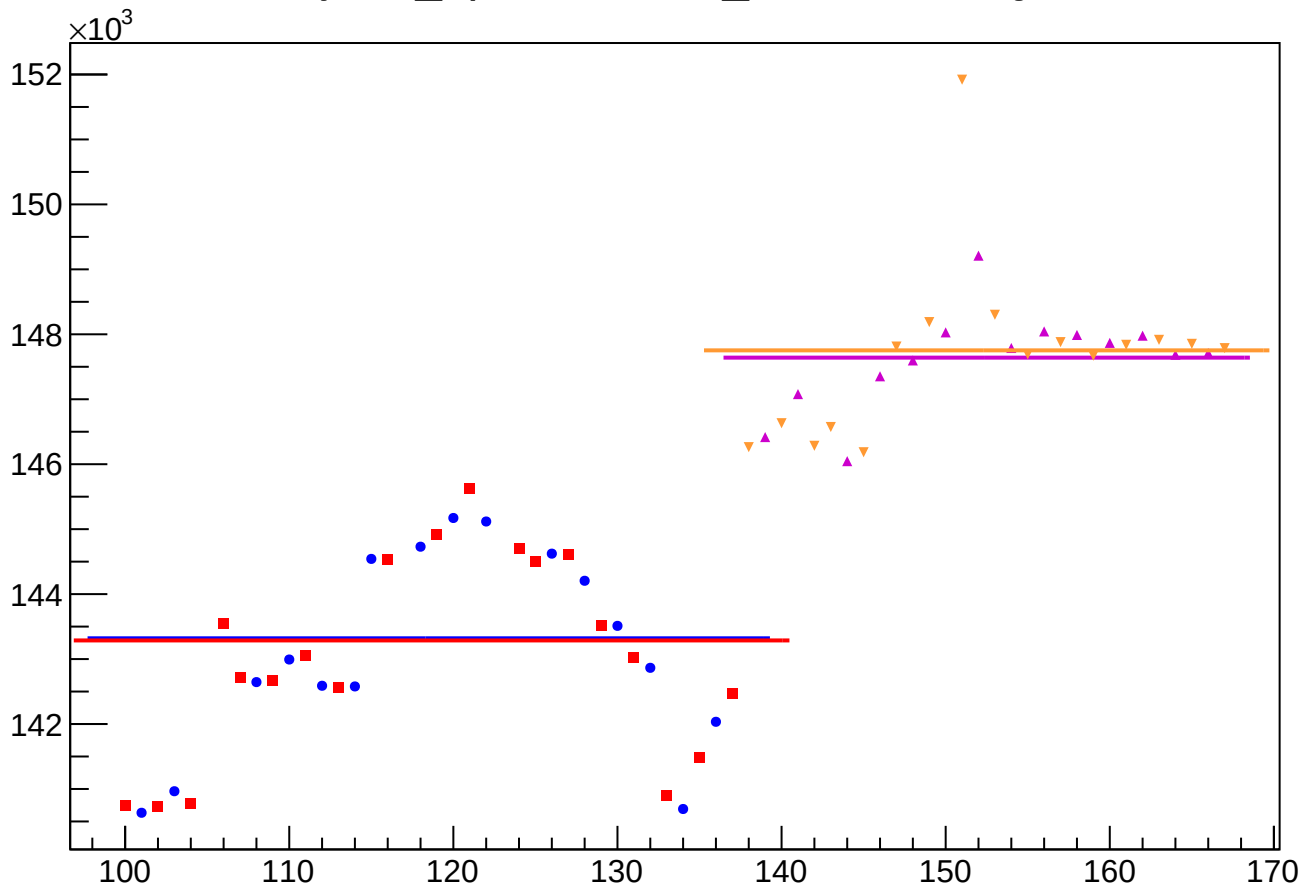
Right In: 150733.301 $\pm$ 0.063 χ^2 /NDF: 3283848751.0/15
 Left Out: 155187.232 $\pm$ 0.056 χ^2 /NDF:13130828809.6/15
 Right Out: 151018.500 $\pm$ 0.060 χ^2 /NDF: 3286131878.7/18
 Left In: 155084.859 $\pm$ 0.059 χ^2 /NDF:11185783029.8/13
 + sign 153219.870 $\pm$ 0.042 χ^2 /NDF: 19214051322.
 All: 153147.020 $\pm$ 0.030 χ^2 /NDF: 360080210
 - sign 153072.617 $\pm$ 0.042 χ^2 /NDF: 16787831146.8

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044	χ^2/NDF : 1195699.5/15	+ sign 179.277+/-0.030	χ^2/NDF : 1919423.8/31
Left Out: 196.002+/-0.040	χ^2/NDF : 319091.4/15	All: 177.751+/-0.021	χ^2/NDF : 4089875.5/64
Right Out: 152.841+/-0.042	χ^2/NDF : 1264236.1/18	- sign 176.192+/-0.030	χ^2/NDF : 2165063.5/32
Left In: 199.067+/-0.042	χ^2/NDF : 302266.1/13		

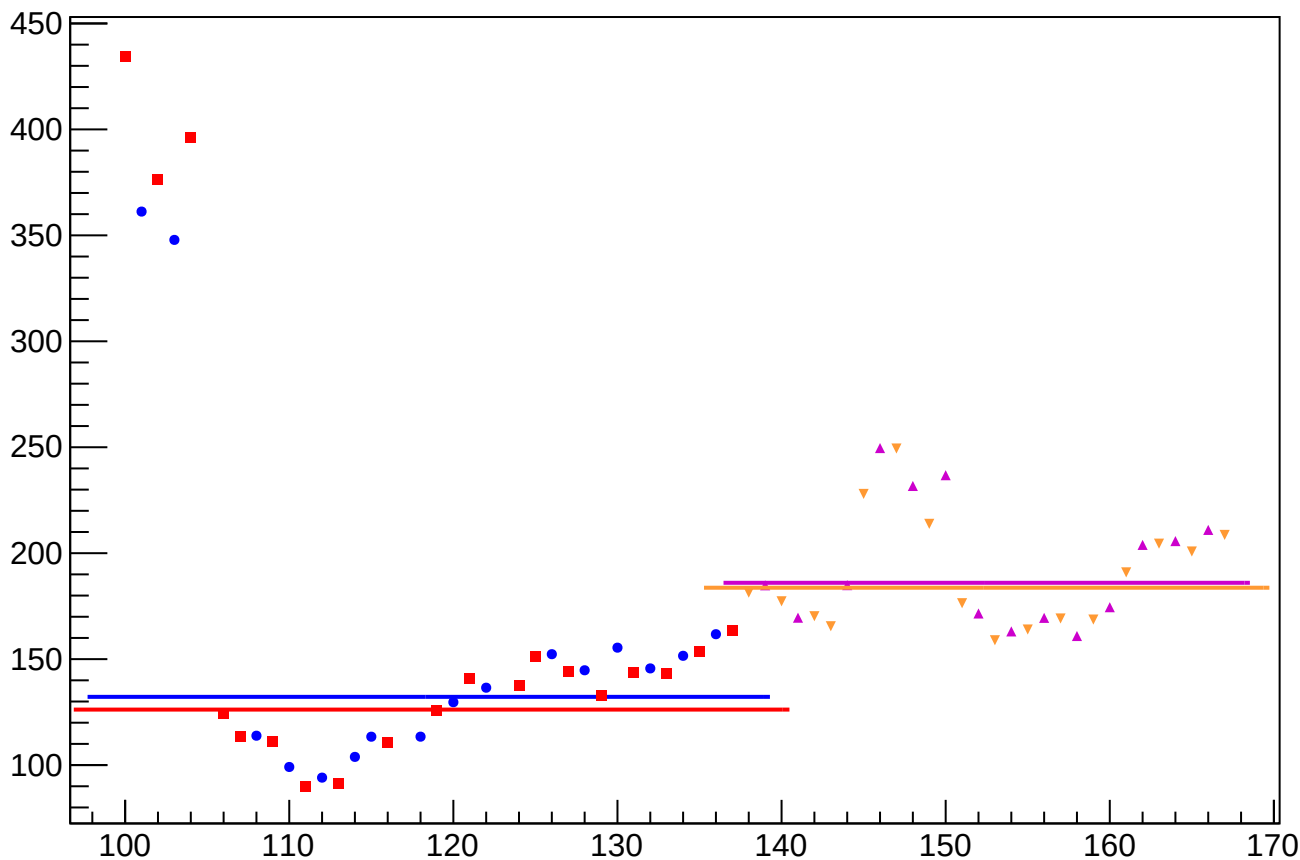
yield_bpm0i01aWS_mean vs Slug



Right In: 143319.651 ± 0.053 $\chi^2/\text{NDF}: 559301530.7/15$
 Left Out: 147752.830 ± 0.053 $\chi^2/\text{NDF}: 670451982.2/15$
 Right Out: 143286.960 ± 0.050 $\chi^2/\text{NDF}: 620521577.8/18$
 Left In: 147640.695 ± 0.056 $\chi^2/\text{NDF}: 199265137.3/13$

+ sign 145561.039 ± 0.037 $\chi^2/\text{NDF}: 4750590415.9$
 All: 145386.999 ± 0.026 $\chi^2/\text{NDF}: 901144866$
 - sign 145215.315 ± 0.037 $\chi^2/\text{NDF}: 4217735356.7$

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204 $\pm$ 0.038 χ^2 /NDF: 1379168.6/15

Left Out: 183.703 $\pm$ 0.037 χ^2 /NDF: 376117.0/15

Right Out: 126.191 $\pm$ 0.035 χ^2 /NDF: 1545034.5/18

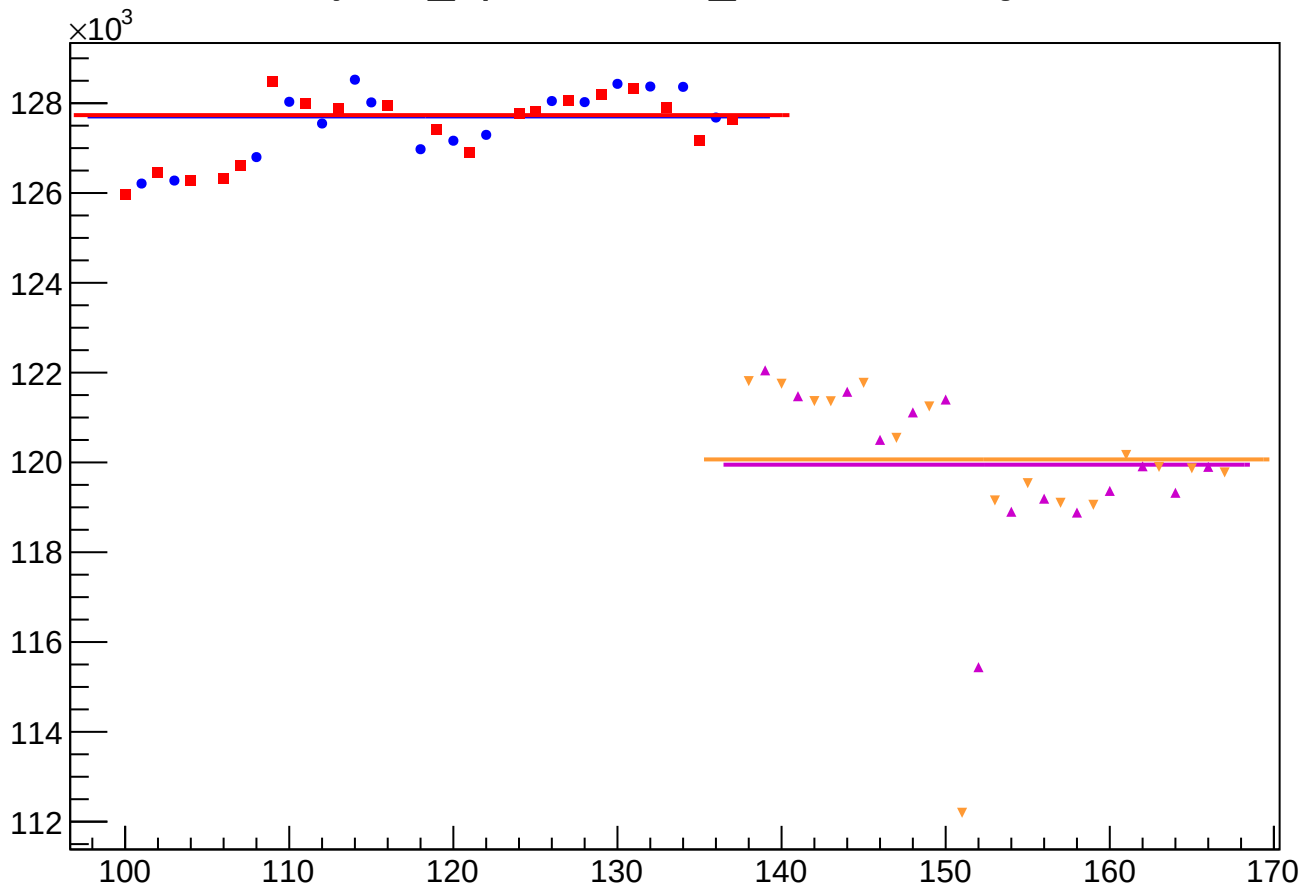
Left In: 186.028 $\pm$ 0.039 χ^2 /NDF: 425706.1/13

+ sign 158.241 $\pm$ 0.026 χ^2 /NDF: 2705525.3/31

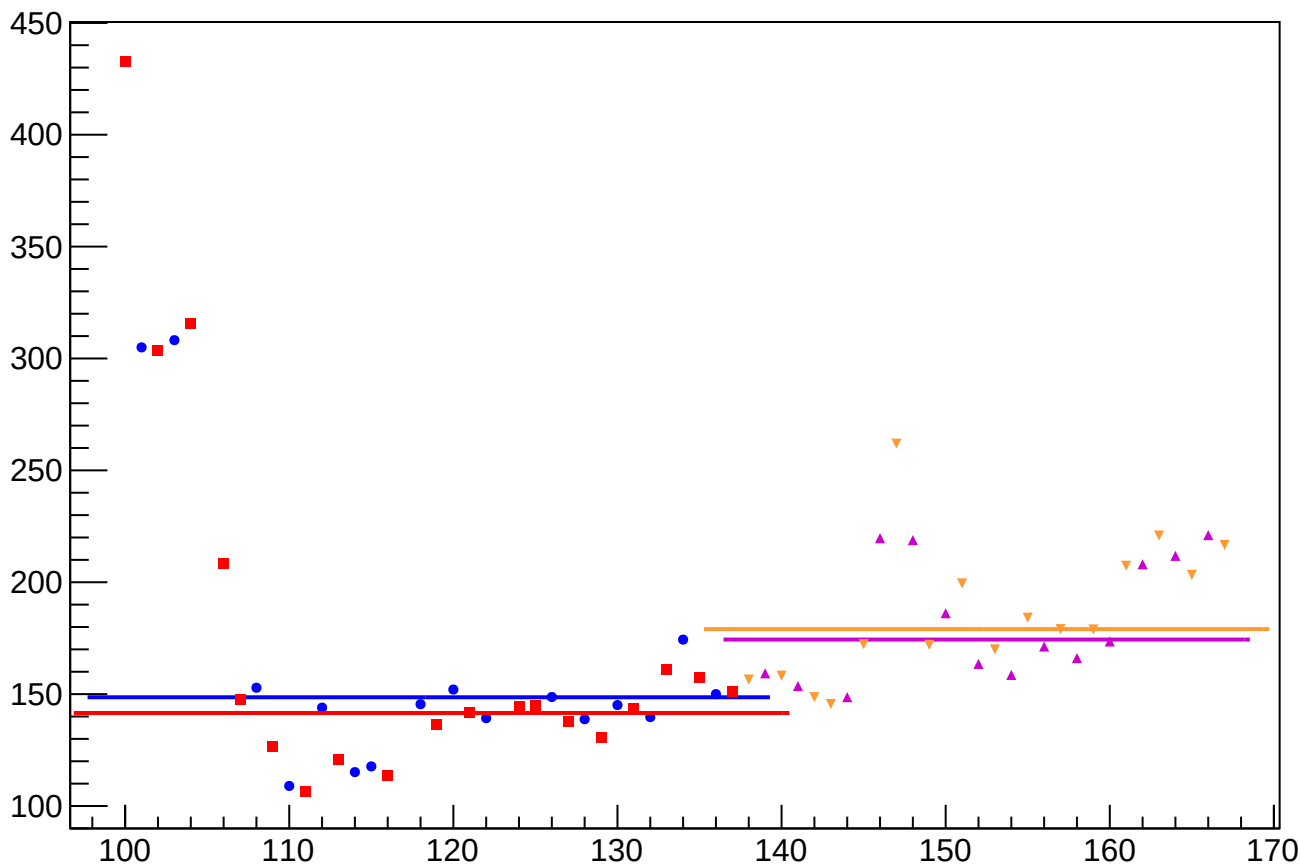
All: 155.449 $\pm$ 0.019 χ^2 /NDF: 5982148.1/64

- sign 152.694 $\pm$ 0.026 χ^2 /NDF: 3254416.3/32

yield_bpm0l01WS_mean vs Slug



yield_bpm0l01WS_rms vs Slug



Right In: 148.593 $\pm$ 0.041 χ^2/NDF : 827701.4/15

Left Out: 179.064 $\pm$ 0.037 χ^2/NDF : 521830.4/15

Right Out: 141.563 $\pm$ 0.039 χ^2/NDF : 1001225.3/18

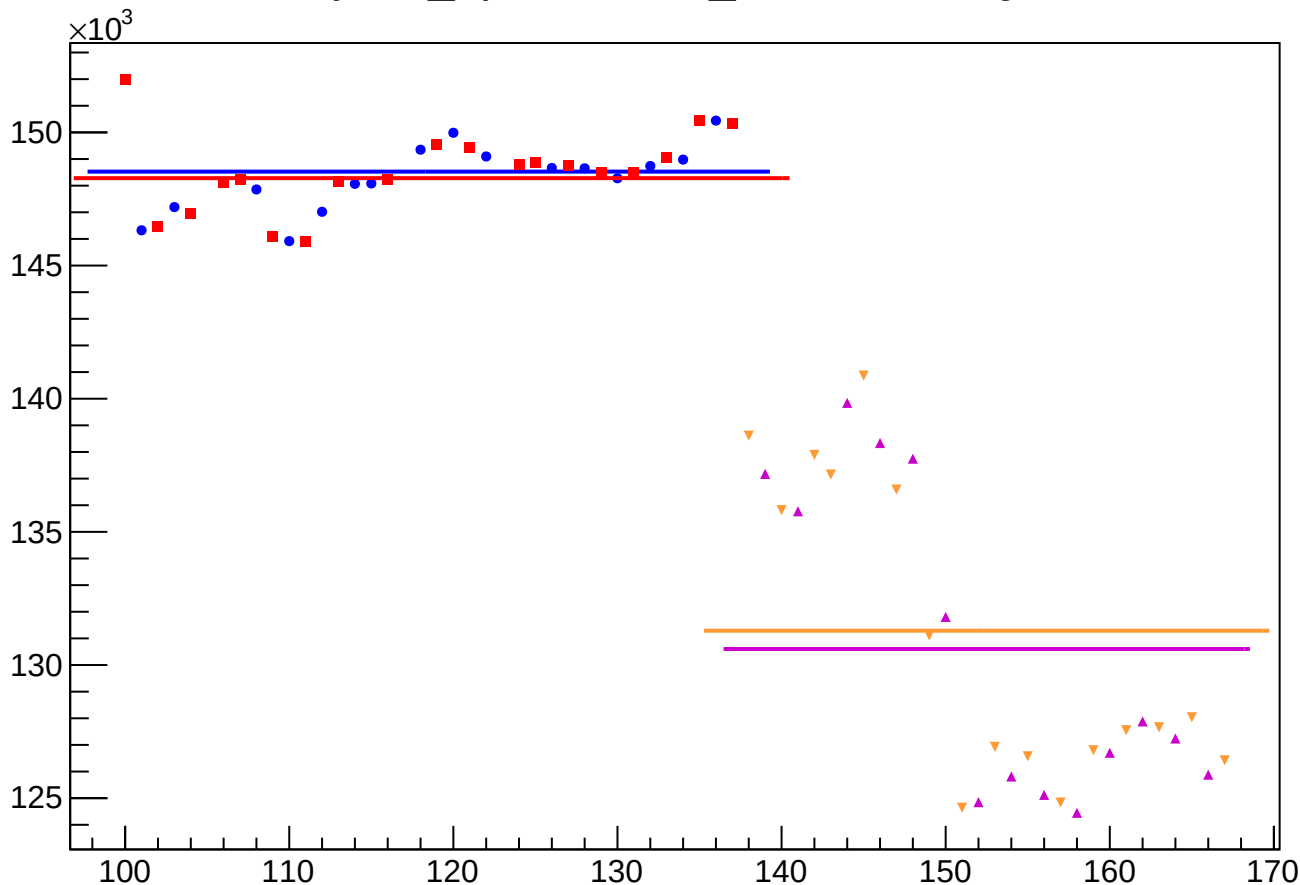
Left In: 174.386 $\pm$ 0.037 χ^2/NDF : 404265.2/13

+ sign 165.667 $\pm$ 0.027 χ^2/NDF : 1654450.8/31

All: 162.113 $\pm$ 0.019 χ^2/NDF : 3465994.7/64

- sign 158.698 $\pm$ 0.027 χ^2/NDF : 1778525.1/32

yield_bpm0l02WS_mean vs Slug



Right In: 148527.678 ± 0.082 $\chi^2/\text{NDF}: 209208133.0/15$

Left Out: 131289.327 ± 0.075 $\chi^2/\text{NDF}: 5271000866.5/15$

Right Out: 148282.003 ± 0.077 $\chi^2/\text{NDF}: 294673557.8/18$

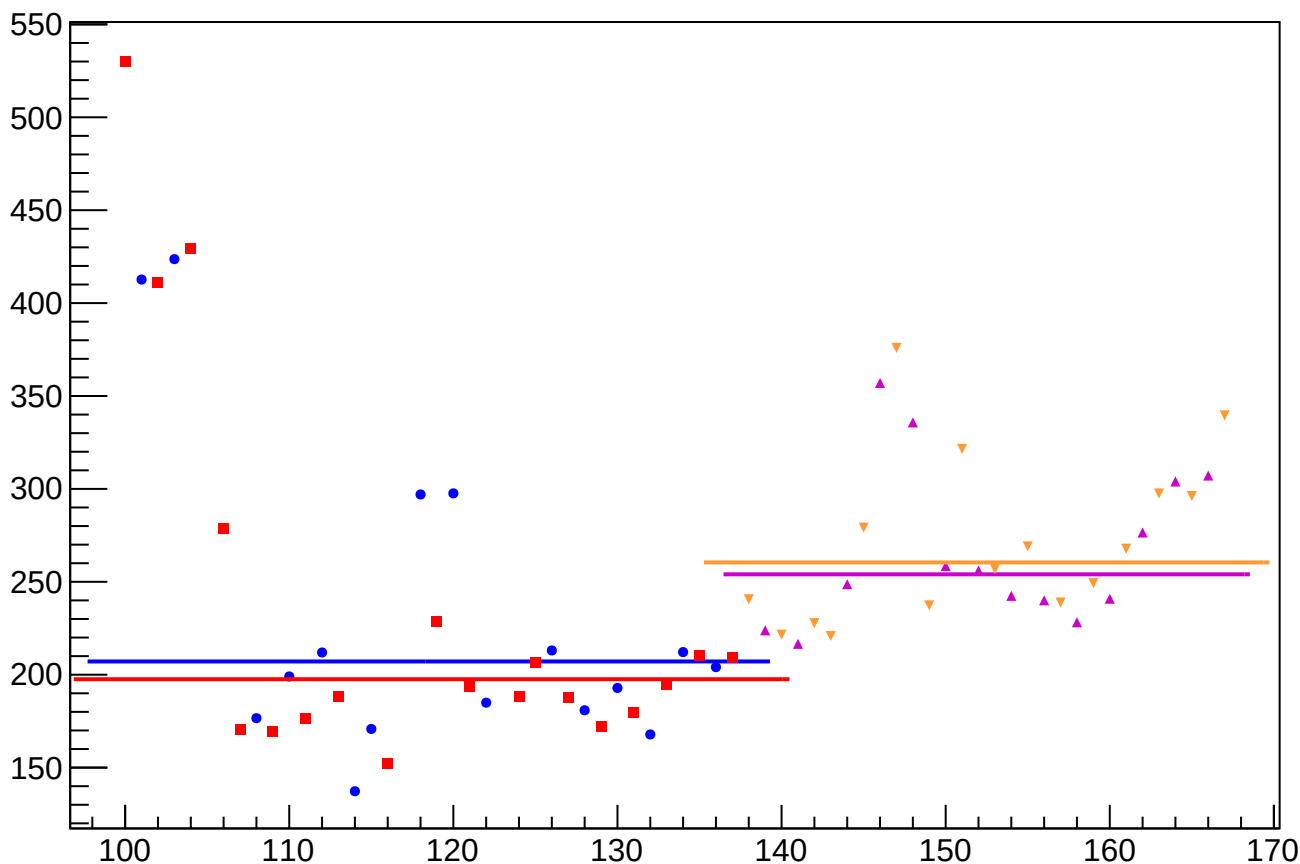
Left In: 130602.397 ± 0.076 $\chi^2/\text{NDF}: 5549033460.8/13$

+ sign 139128.964 ± 0.055 $\chi^2/\text{NDF}: 29610922520.0$

All: 139265.118 ± 0.039 $\chi^2/\text{NDF}: 622395599.0$

- sign 139395.258 ± 0.054 $\chi^2/\text{NDF}: 32616763439.3$

yield_bpm0l02WS_rms vs Slug



Right In: 207.135 ± 0.058 χ^2/NDF : 972216.9/15

Left Out: 260.428 ± 0.053 χ^2/NDF : 515507.1/15

Right Out: 197.571 ± 0.054 χ^2/NDF : 903999.3/18

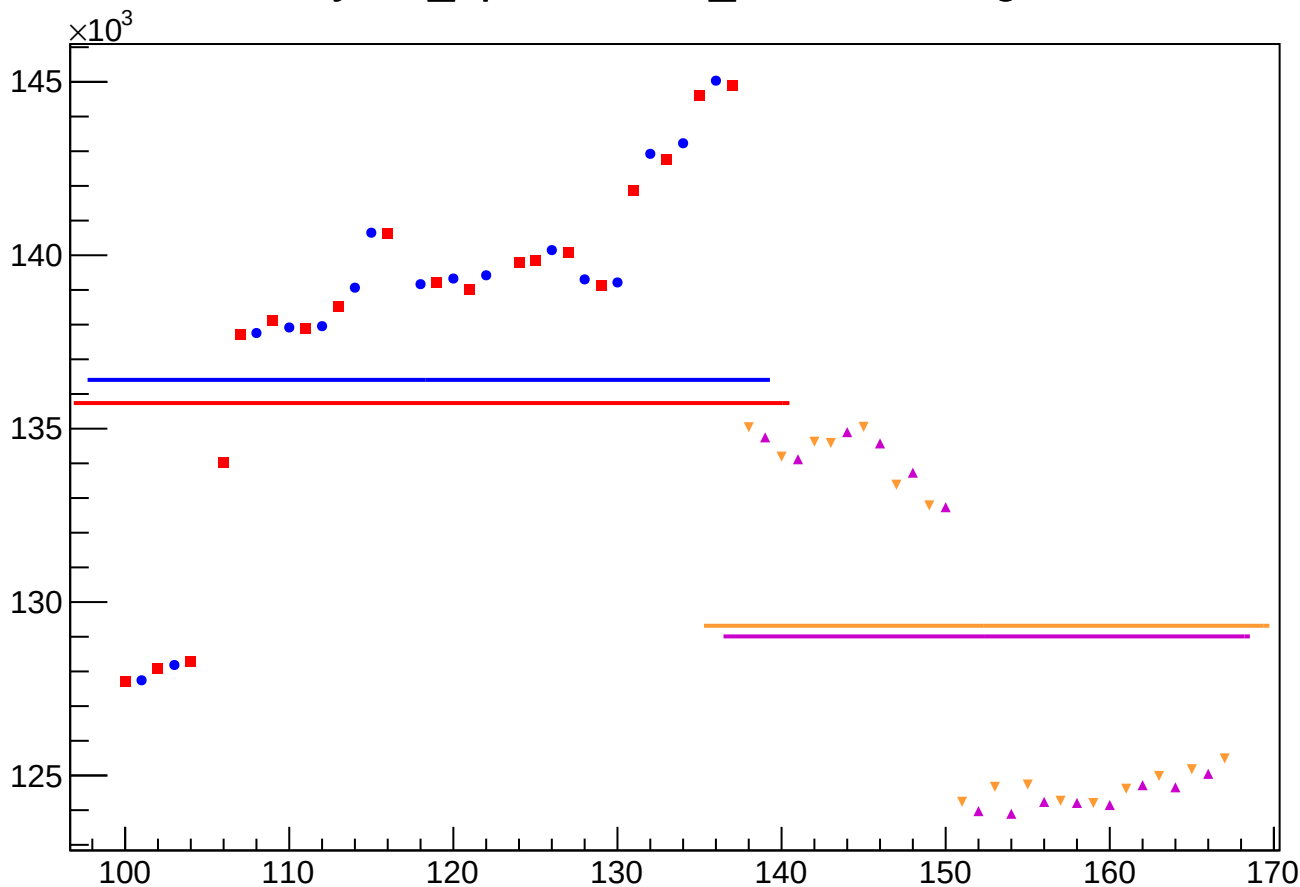
Left In: 254.032 ± 0.054 χ^2/NDF : 438557.3/13

+ sign 236.191 ± 0.039 χ^2/NDF : 1948982.9/31

All: 230.956 ± 0.027 χ^2/NDF : 3872766.8/64

- sign 225.952 ± 0.038 χ^2/NDF : 1888669.6/32

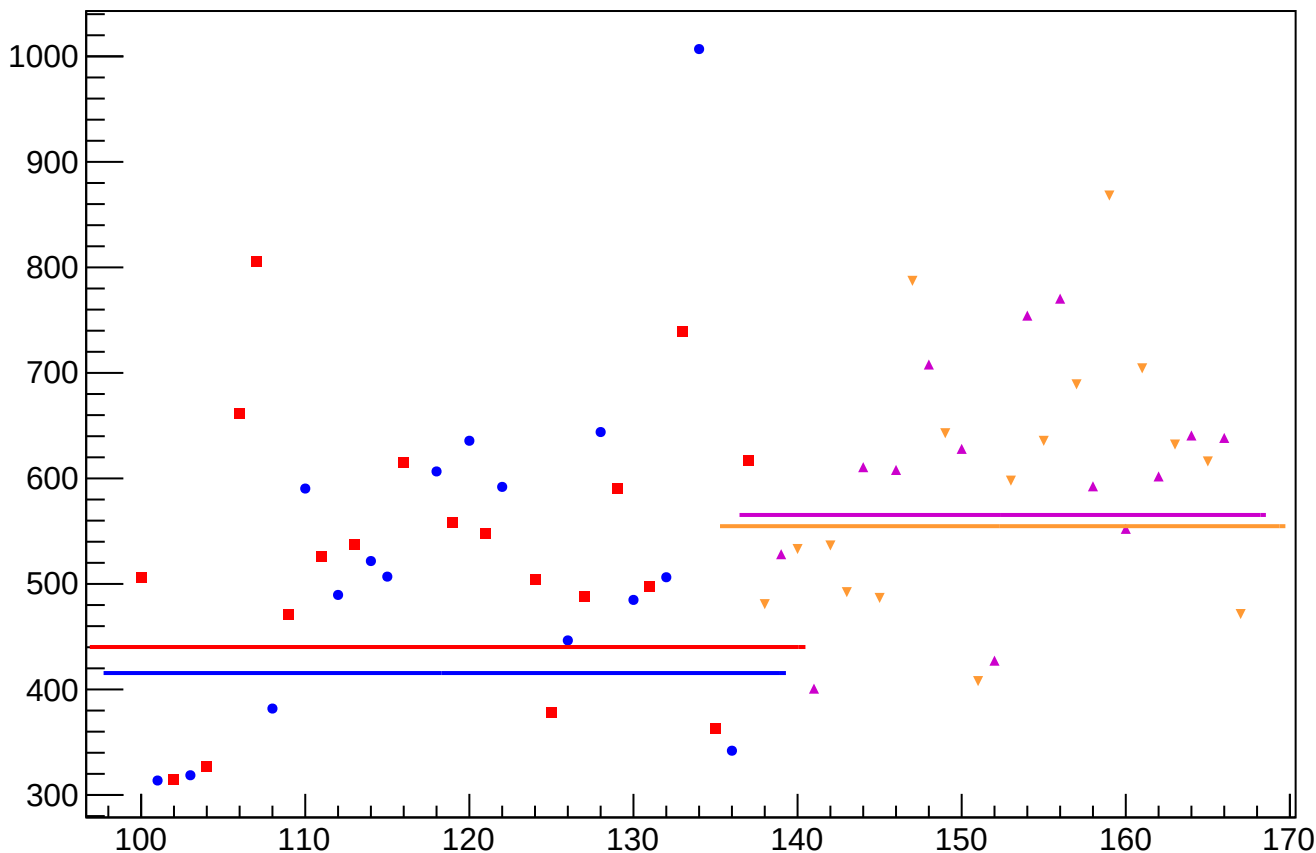
yield_bpm0l03WS_mean vs Slug



Right In: 136406.923 $\pm$ 0.169 χ^2 /NDF: 1577071044.7/15
 Left Out: 129317.422 $\pm$ 0.168 χ^2 /NDF: 839498065.6/15
 Right Out: 135738.412 $\pm$ 0.177 χ^2 /NDF: 1174123878.0/18
 Left In: 129009.610 $\pm$ 0.182 χ^2 /NDF: 747482868.5/13

+ sign 132855.627 $\pm$ 0.119 χ^2 /NDF: 3302523603.6
 All: 132676.221 $\pm$ 0.087 χ^2 /NDF: 593292080
 - sign 132472.997 $\pm$ 0.127 χ^2 /NDF: 2625557149.2

yield_bpm0l03WS_rms vs Slug



Right In: 415.547 $\pm$ 0.119 χ^2 /NDF: 1031600.7/15

Left Out: 554.742 $\pm$ 0.119 χ^2 /NDF: 849468.0/15

Right Out: 440.218 $\pm$ 0.125 χ^2 /NDF: 910790.1/18

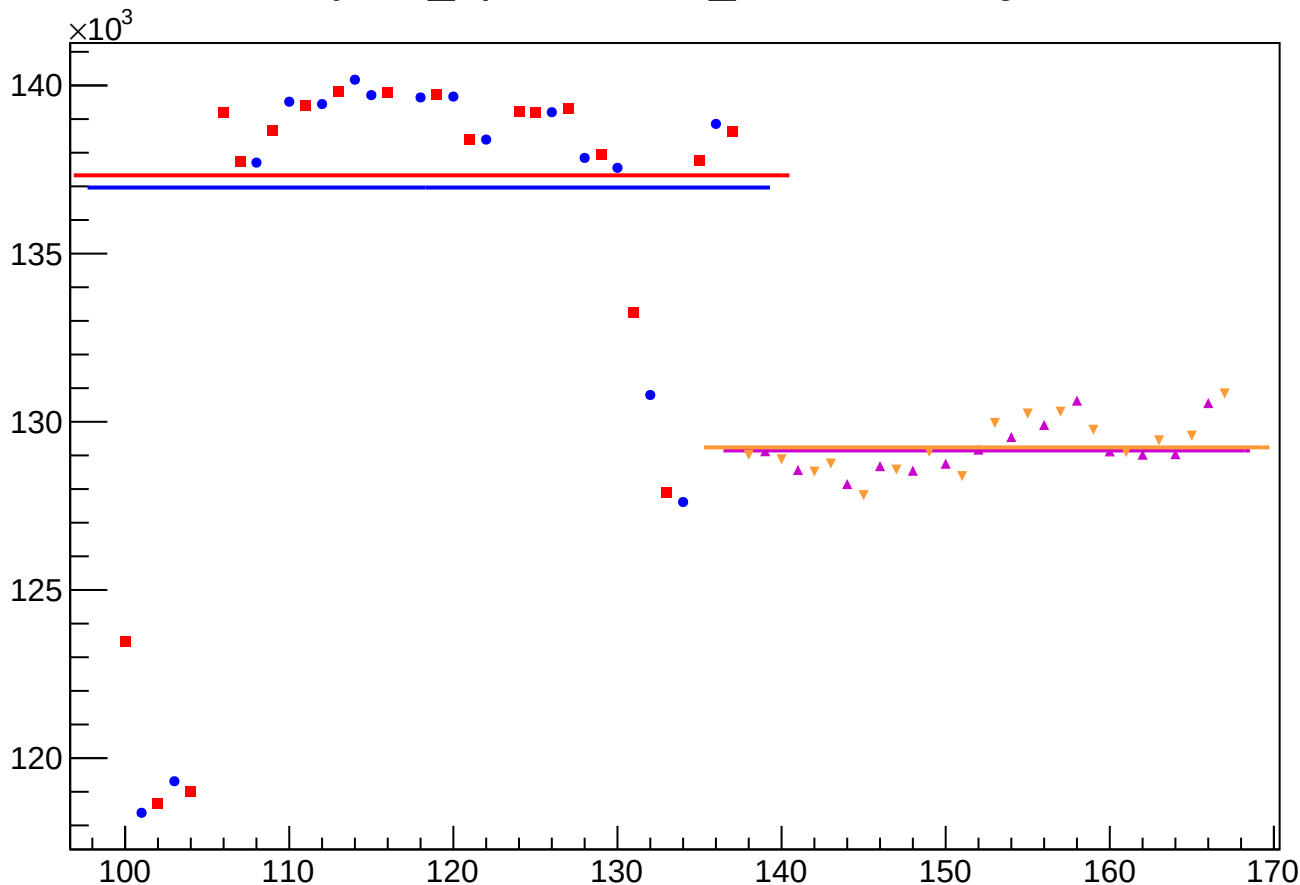
Left In: 565.374 $\pm$ 0.129 χ^2 /NDF: 714668.4/13

+ sign 485.273 $\pm$ 0.084 χ^2 /NDF: 2564127.8/31

All: 492.626 $\pm$ 0.061 χ^2 /NDF: 4692924.0/64

- sign 500.954 $\pm$ 0.090 χ^2 /NDF: 2112537.9/32

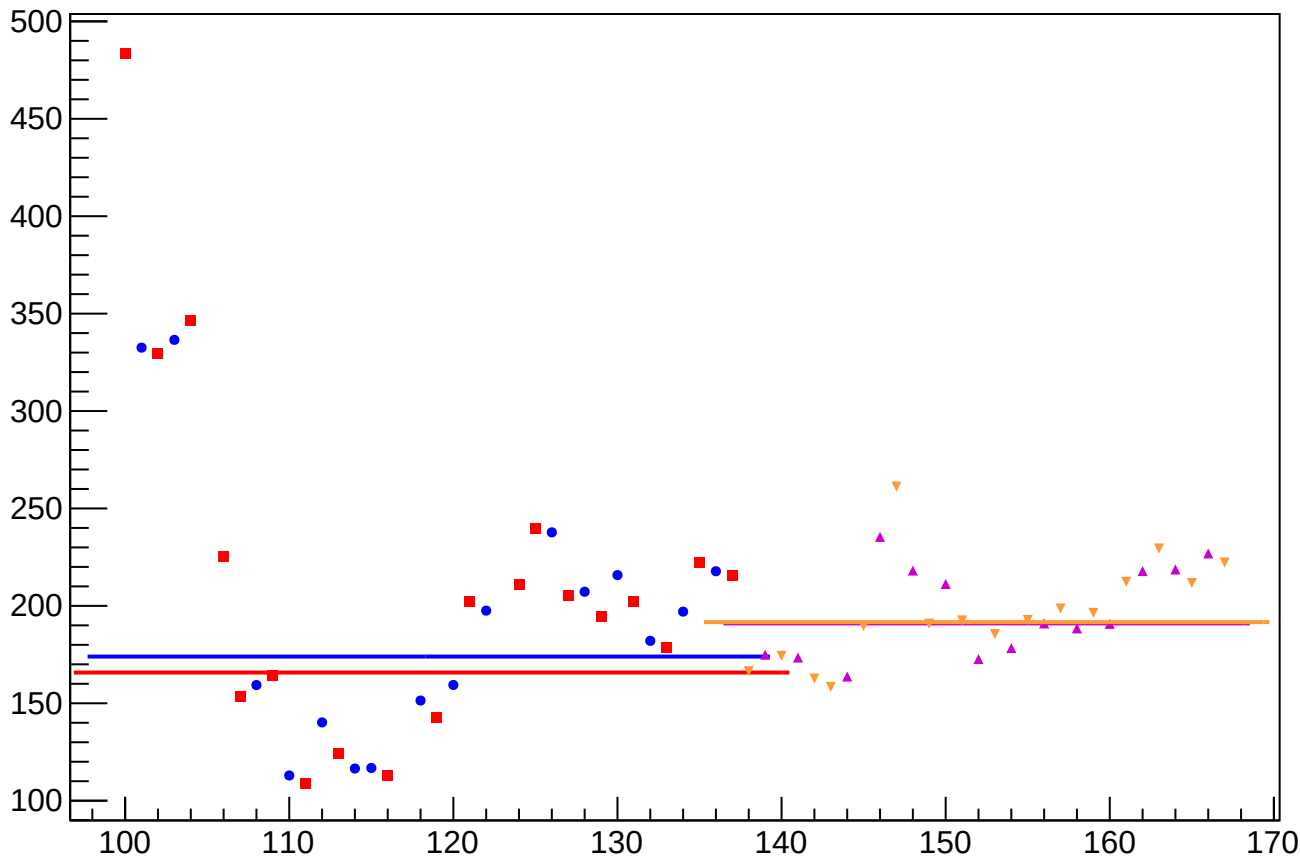
yield_bpm0l04WS_mean vs Slug



Right In: 136964.958 $\pm$ 0.070 χ^2 /NDF: 5807770301.4/15
 Left Out: 129238.461 $\pm$ 0.055 χ^2 /NDF: 194105310.5/15
 Right Out: 137327.469 $\pm$ 0.066 χ^2 /NDF: 5737745895.7/18
 Left In: 129148.292 $\pm$ 0.057 χ^2 /NDF: 148170238.7/13

+ sign 132201.305 $\pm$ 0.043 χ^2 /NDF: 13572239055.
 All: 132441.034 $\pm$ 0.031 χ^2 /NDF: 283449710.
 - sign 132680.184 $\pm$ 0.043 χ^2 /NDF: 14711155506.0

yield_bpm0l04WS_rms vs Slug



Right In: 173.982 ± 0.049 χ^2/NDF : 1188493.1/15

Left Out: 191.668 ± 0.039 χ^2/NDF : 370100.7/15

Right Out: 165.780 ± 0.046 χ^2/NDF : 1433162.4/18

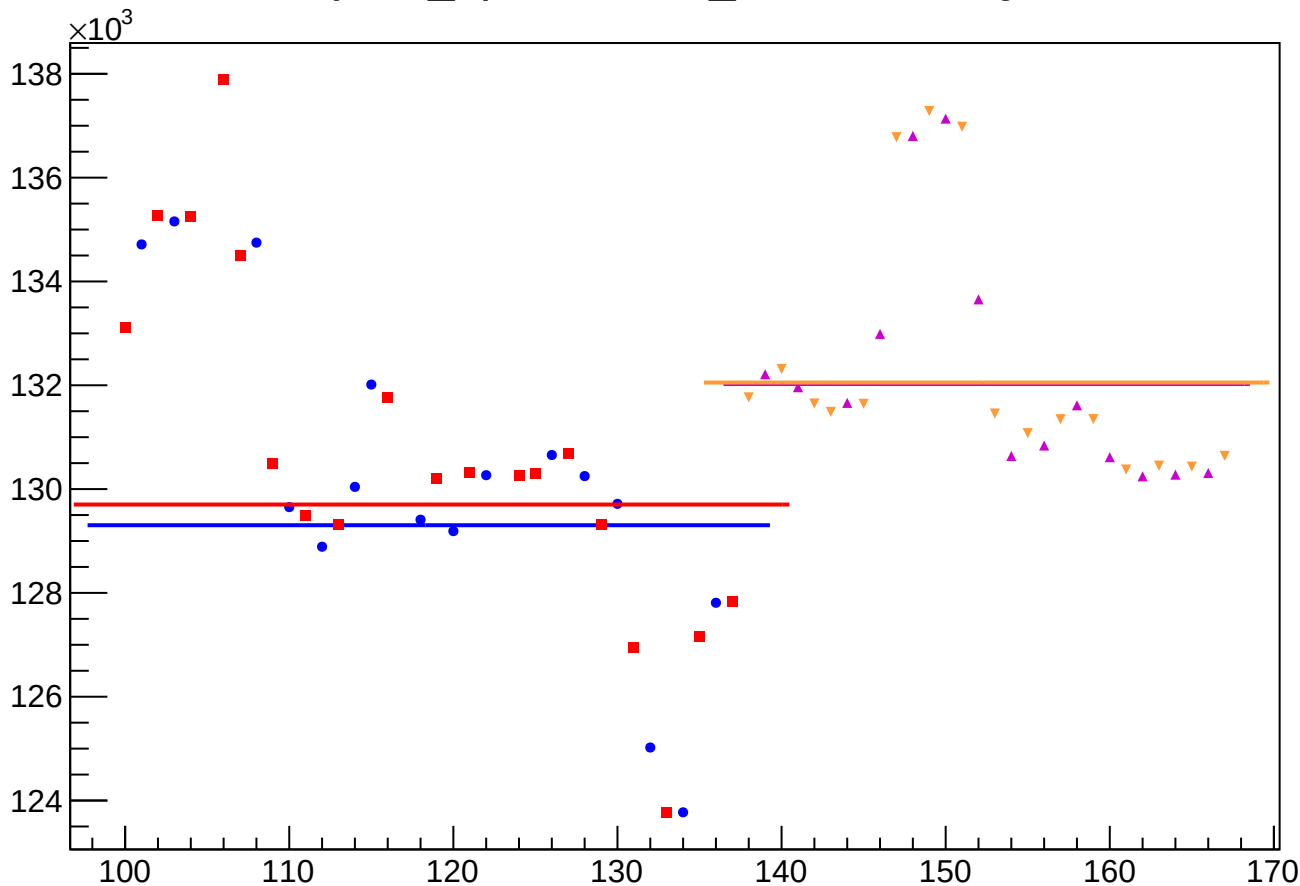
Left In: 190.997 ± 0.040 χ^2/NDF : 283978.5/13

+ sign 184.886 ± 0.031 χ^2/NDF : 1637924.8/31

All: 182.494 ± 0.022 χ^2/NDF : 3535093.9/64

- sign 180.108 ± 0.030 χ^2/NDF : 1884911.1/32

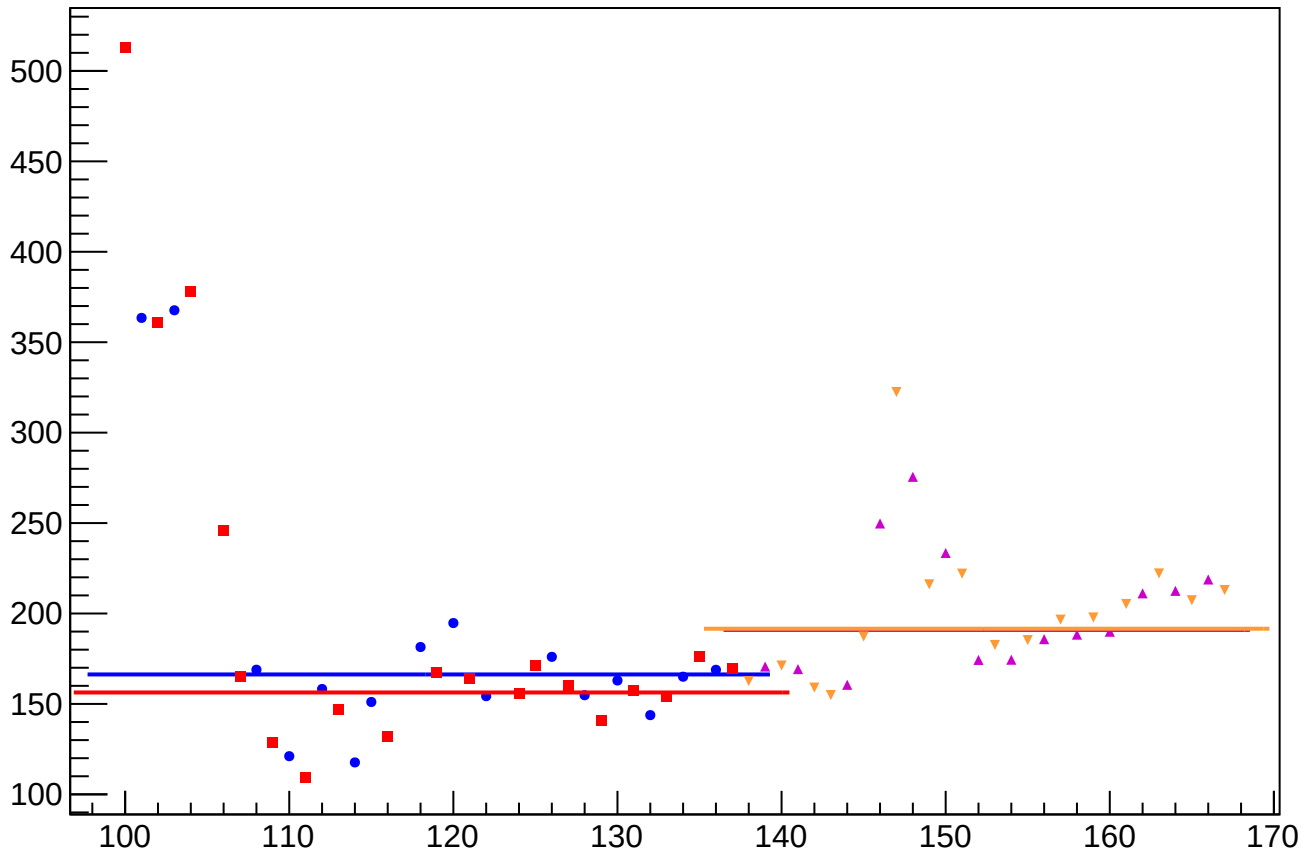
yield_bpm0l05WS_mean vs Slug



Right In: 129303.894 ± 0.066 $\chi^2/\text{NDF}: 1650235360.7/15$
 Left Out: 132053.126 ± 0.055 $\chi^2/\text{NDF}: 1294990805.5/15$
 Right Out: 129702.568 ± 0.062 $\chi^2/\text{NDF}: 1777723481.2/18$
 Left In: 132023.592 ± 0.058 $\chi^2/\text{NDF}: 1024478591.9/13$

All: 130932.254 ± 0.030 $\chi^2/\text{NDF}: 752232669$
 + sign 130922.723 ± 0.042 $\chi^2/\text{NDF}: 3960733771.7$
 - sign 130941.593 ± 0.042 $\chi^2/\text{NDF}: 3561493102.3/$

yield_bpm0l05WS_rms vs Slug



Right In: 166.302 ± 0.047 χ^2/NDF : 937947.6/15

Left Out: 191.590 ± 0.039 χ^2/NDF : 585509.0/15

Right Out: 156.334 ± 0.044 χ^2/NDF : 1172834.9/18

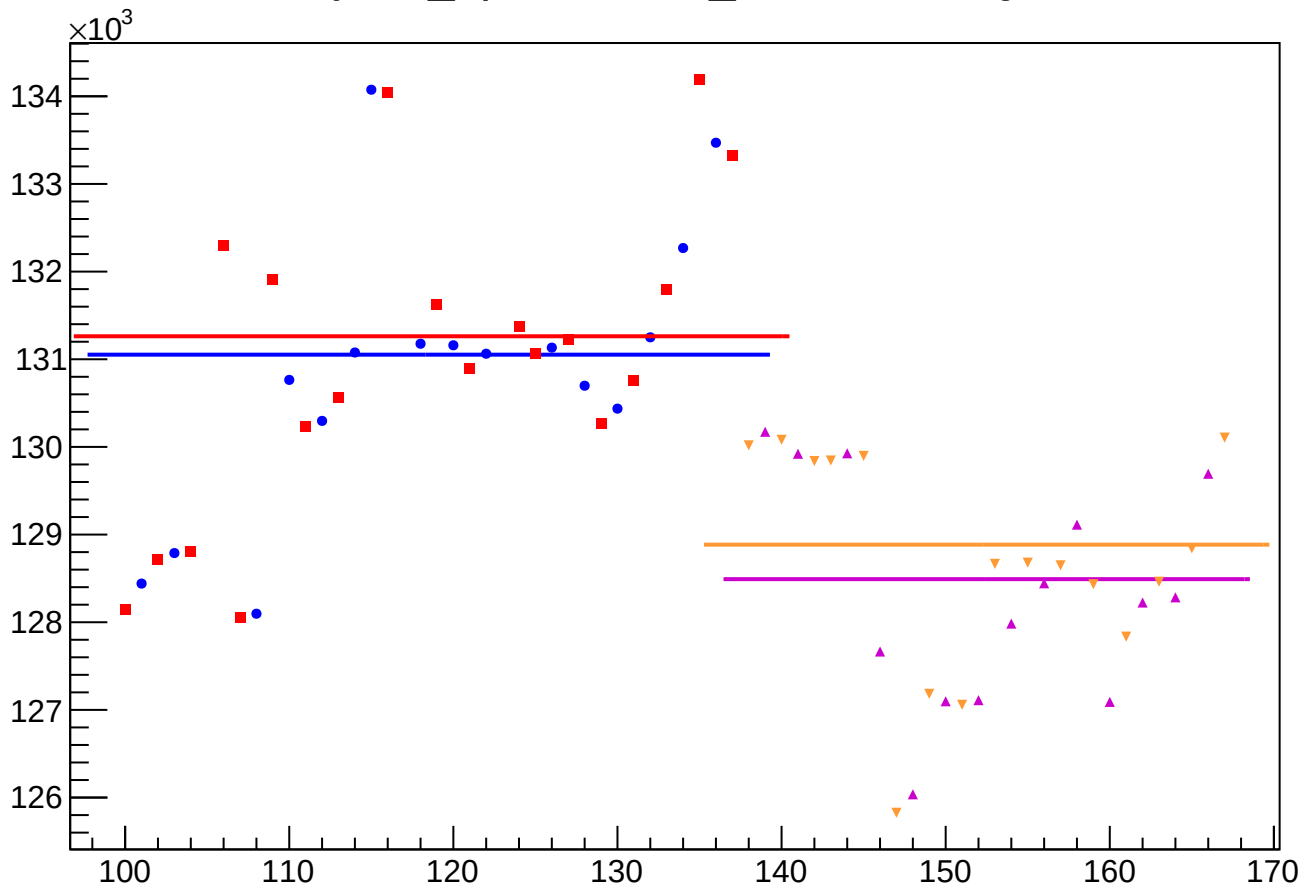
Left In: 190.905 ± 0.041 χ^2/NDF : 500089.7/13

+ sign 181.192 ± 0.030 χ^2/NDF : 1695283.1/31

All: 177.958 ± 0.021 χ^2/NDF : 3728088.7/64

- sign 174.789 ± 0.030 χ^2/NDF : 2009819.4/32

yield_bpm0l06WS_mean vs Slug



Right In: 131052.422 ± 0.061 $\chi^2/\text{NDF}: 523713045.8/15$

Left Out: 128884.863 ± 0.053 $\chi^2/\text{NDF}: 462190120.1/15$

Right Out: 131262.232 ± 0.057 $\chi^2/\text{NDF}: 604278186.1/18$

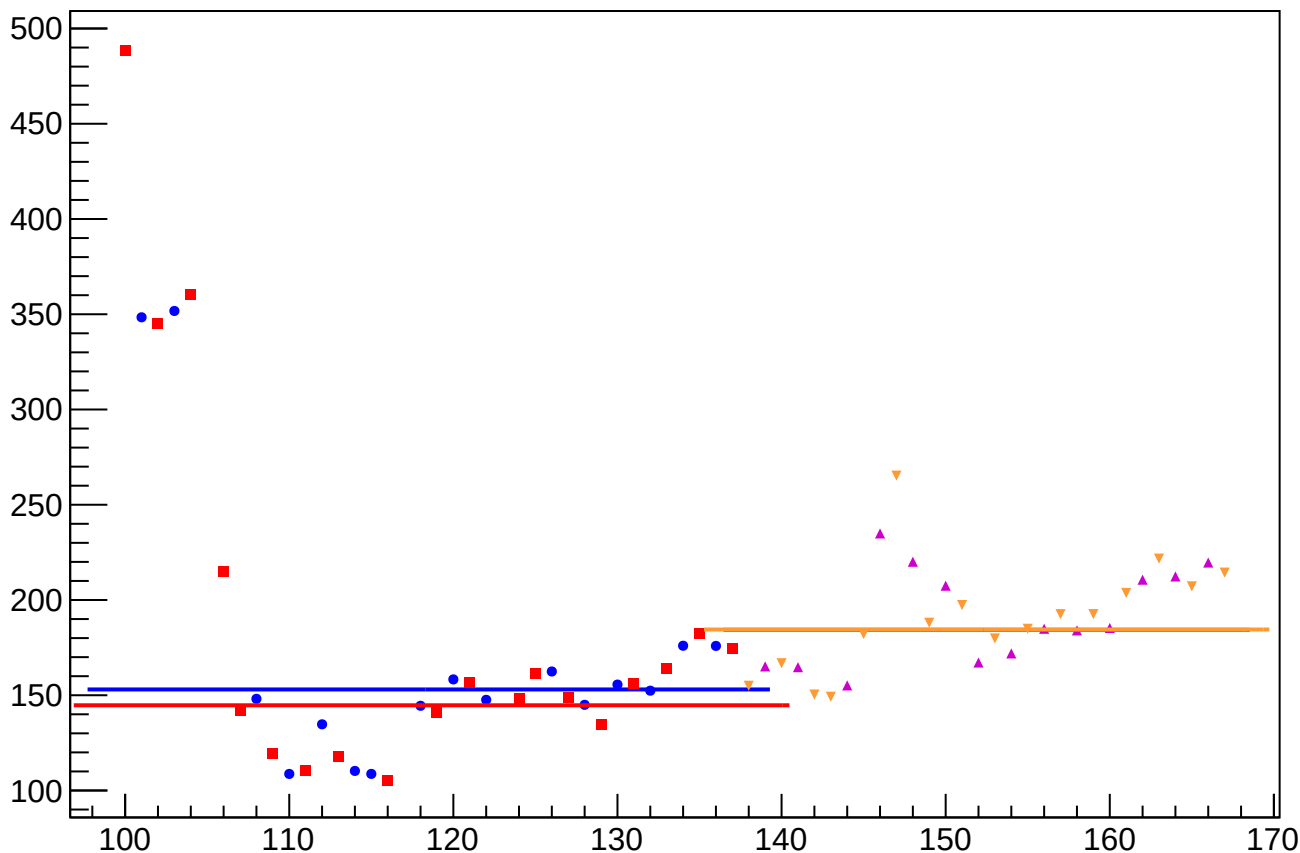
Left In: 128491.557 ± 0.055 $\chi^2/\text{NDF}: 519666046.0/13$

+ sign 129824.356 ± 0.040 $\chi^2/\text{NDF}: 1709786820.4/15$

All: 129833.612 ± 0.028 $\chi^2/\text{NDF}: 405877163.0/33$

- sign 129842.704 ± 0.040 $\chi^2/\text{NDF}: 2348878264.6/15$

yield_bpm0l06WS_rms vs Slug



Right In: 153.043 ± 0.043 χ^2/NDF : 1059470.3/15

Left Out: 184.500 ± 0.038 χ^2/NDF : 479643.5/15

Right Out: 144.731 ± 0.040 χ^2/NDF : 1263423.6/18

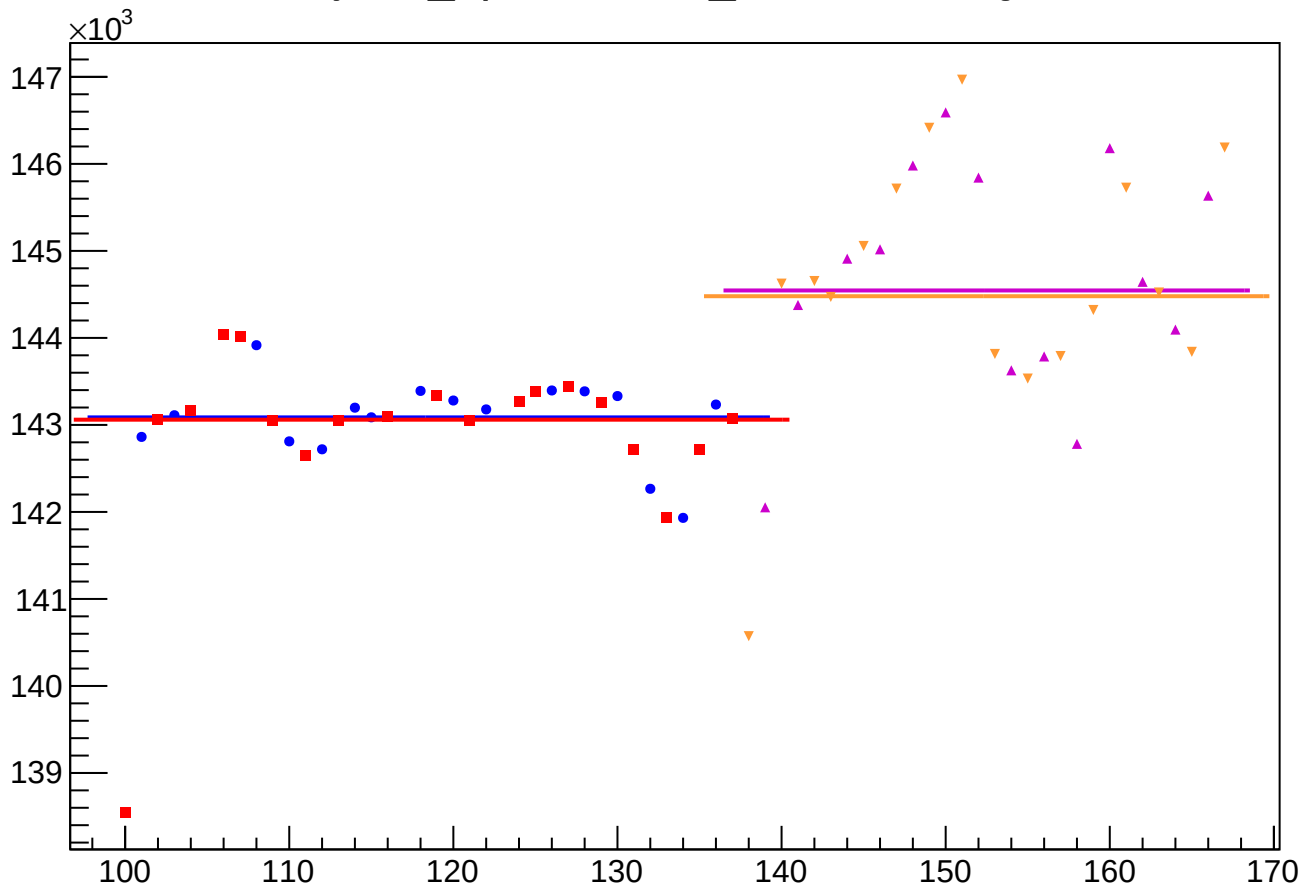
Left In: 184.331 ± 0.039 χ^2/NDF : 357355.5/13

+ sign 170.865 ± 0.028 χ^2/NDF : 1844043.1/31

All: 167.916 ± 0.020 χ^2/NDF : 3986918.8/64

- sign 165.020 ± 0.028 χ^2/NDF : 2121245.9/32

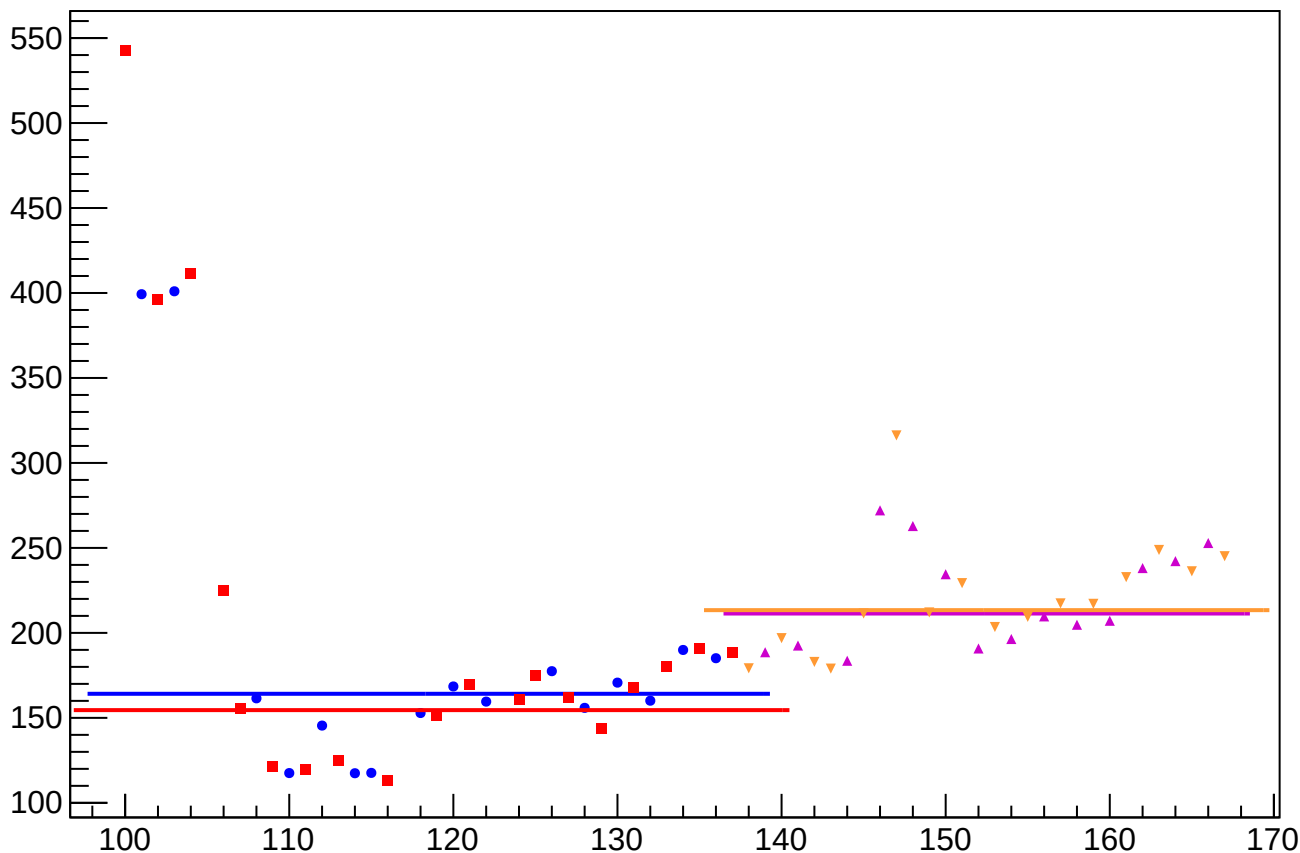
yield_bpm0l07WS_mean vs Slug



Right In: 143086.477 ± 0.065 χ^2/NDF : 46726277.8/15
 Left Out: 144479.188 ± 0.061 χ^2/NDF : 639669361.2/15
 Right Out: 143060.268 ± 0.061 χ^2/NDF : 51715744.7/18
 Left In: 144545.410 ± 0.063 χ^2/NDF : 440338871.7/13

+ sign 143823.747 ± 0.045 χ^2/NDF : 928804320.3/3
 All: 143796.126 ± 0.031 χ^2/NDF : 170790545
 - sign 143769.494 ± 0.044 χ^2/NDF : 778349428.5/3

yield_bpm0l07WS_rms vs Slug



Right In: 164.167 $\pm$ 0.046 χ^2 /NDF: 1129764.4/15

Left Out: 213.380 $\pm$ 0.043 χ^2 /NDF: 417096.9/15

Right Out: 154.558 $\pm$ 0.043 χ^2 /NDF: 1366830.5/18

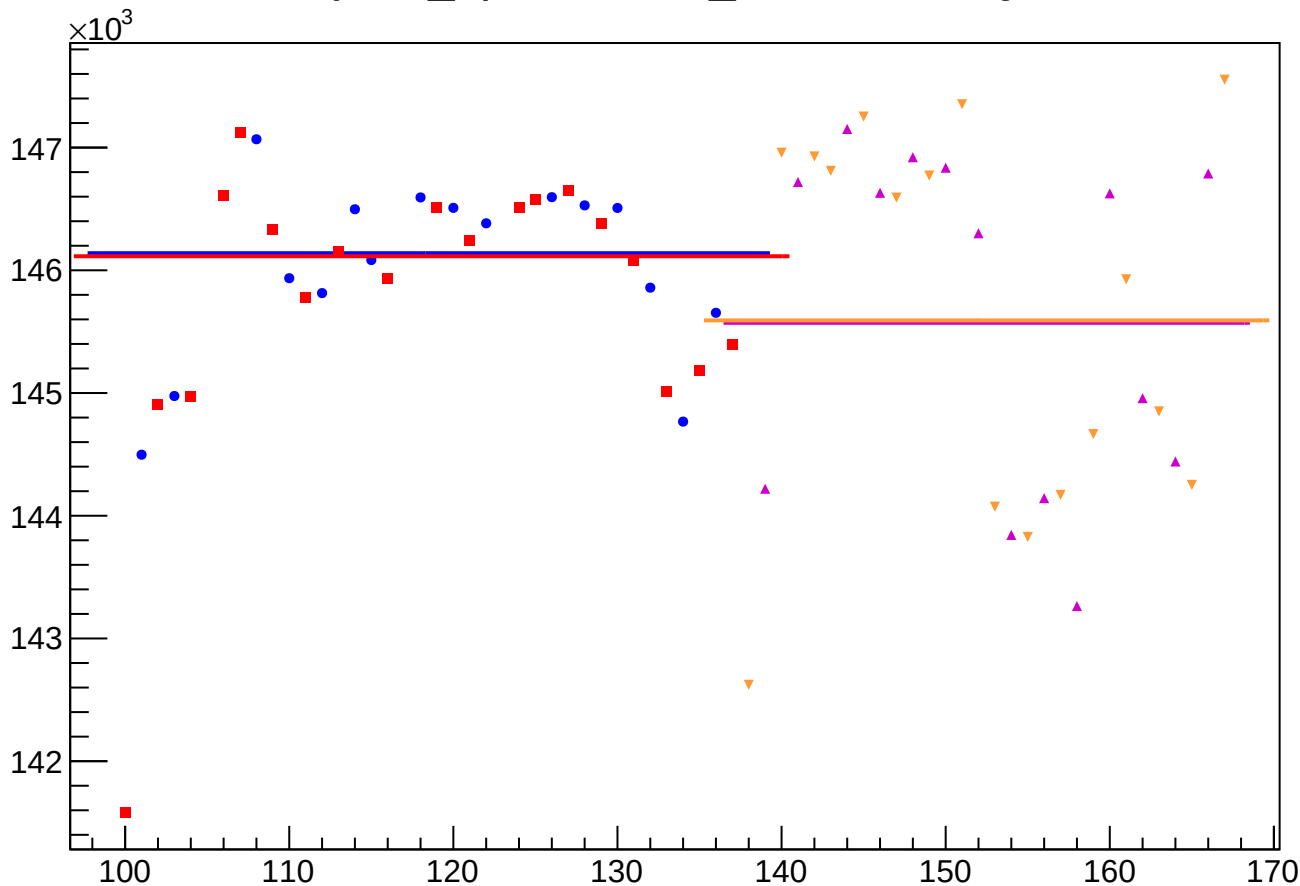
Left In: 211.396 $\pm$ 0.045 χ^2 /NDF: 349153.2/13

+ sign 190.219 $\pm$ 0.032 χ^2 /NDF: 2152233.6/31

All: 185.882 $\pm$ 0.022 χ^2 /NDF: 4743932.5/64

- sign 181.701 $\pm$ 0.031 χ^2 /NDF: 2554635.1/32

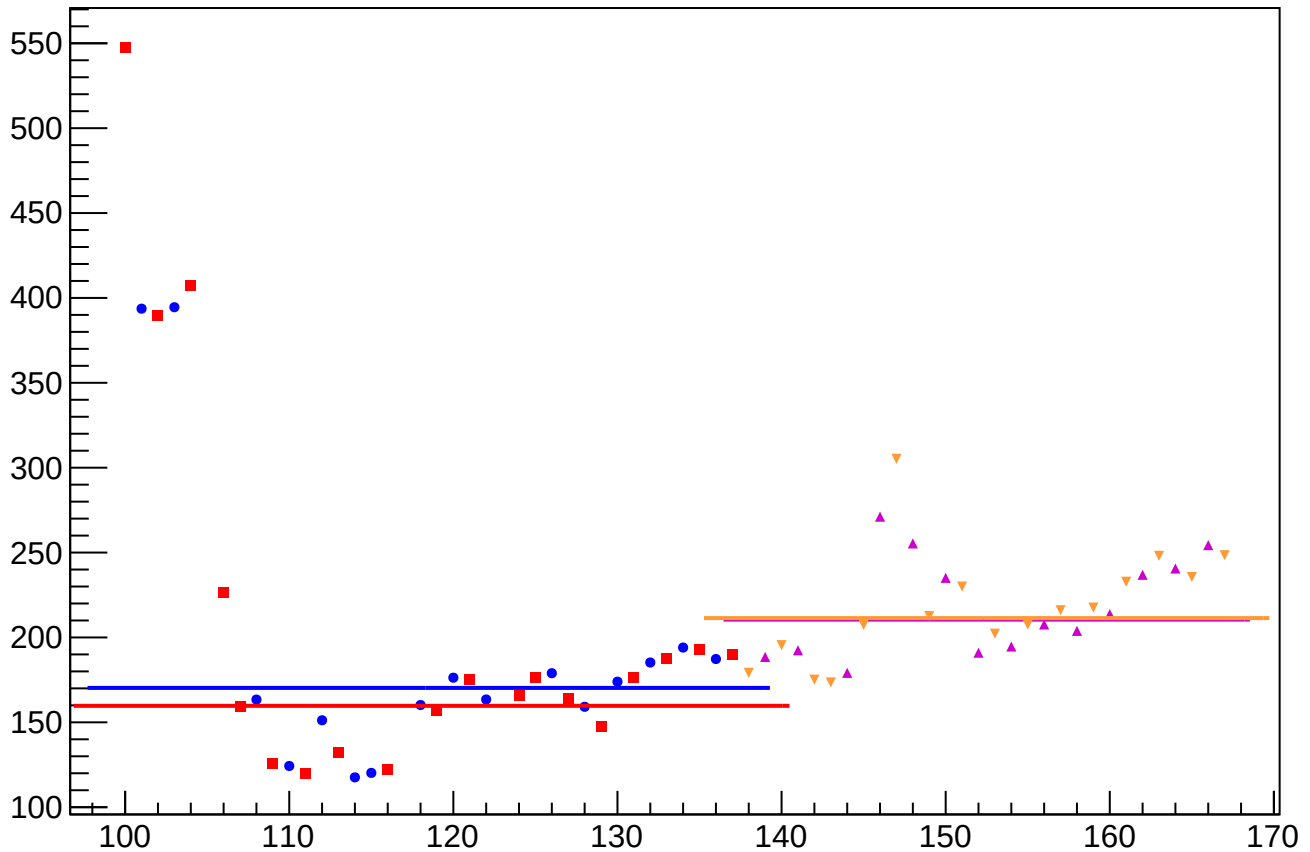
yield_bpm0l08WS_mean vs Slug



Right In: 146139.237 ± 0.067 $\chi^2/\text{NDF}: 71721843.8/15$
 Left Out: 145591.851 ± 0.061 $\chi^2/\text{NDF}: 672090201.3/15$
 Right Out: 146114.458 ± 0.062 $\chi^2/\text{NDF}: 73102068.4/18$
 Left In: 145572.248 ± 0.063 $\chi^2/\text{NDF}: 483464103.6/13$

+ sign 145837.372 ± 0.045 $\chi^2/\text{NDF}: 780194655.4/3$
 All: 145841.996 ± 0.032 $\chi^2/\text{NDF}: 137400295$
 - sign 145846.477 ± 0.044 $\chi^2/\text{NDF}: 593787633.2/3$

yield_bpm0l08WS_rms vs Slug



Right In: 170.279 ± 0.048 $\chi^2/\text{NDF}: 1057631.0/15$

Left Out: 211.405 ± 0.043 $\chi^2/\text{NDF}: 441578.0/15$

Right Out: 159.724 ± 0.044 $\chi^2/\text{NDF}: 1291290.8/18$

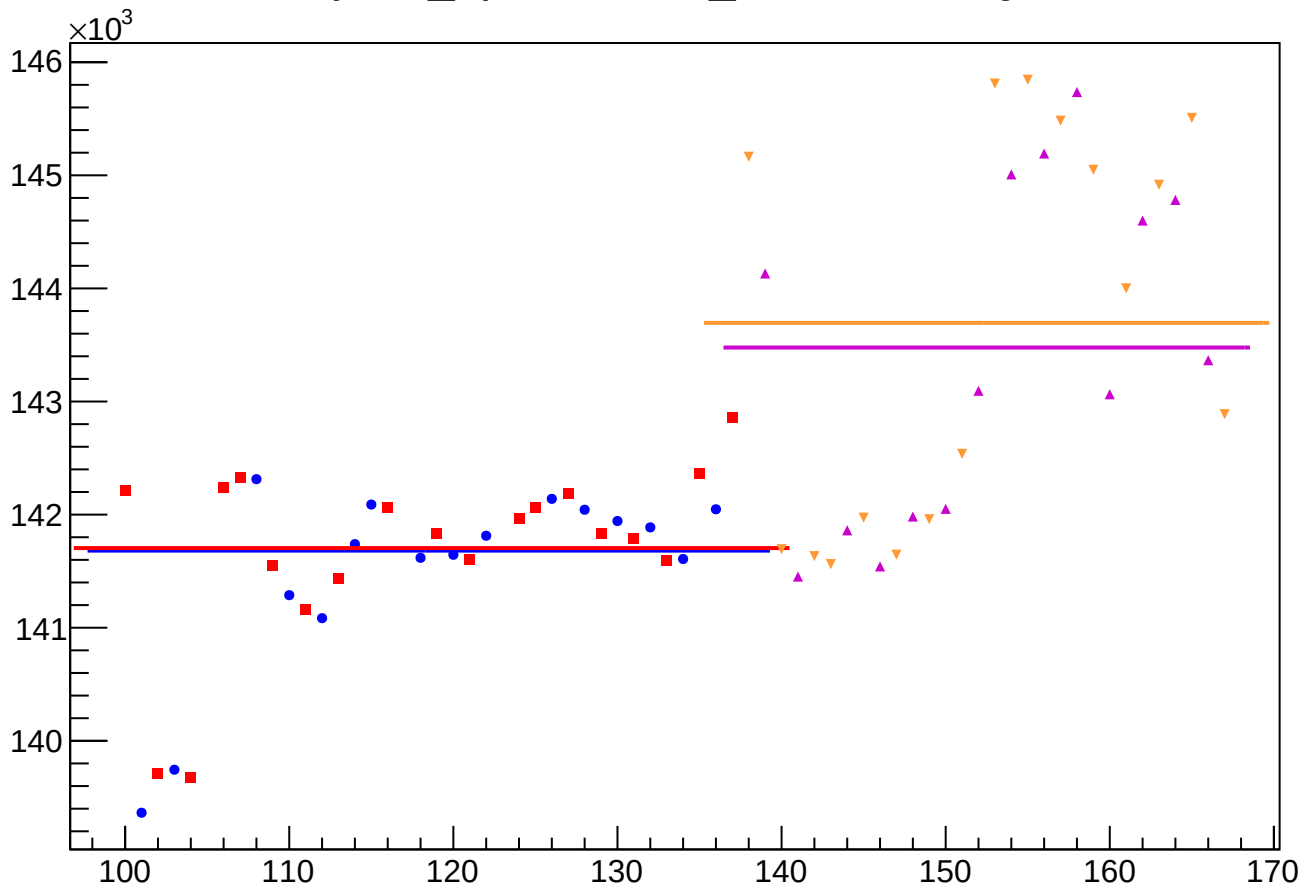
Left In: 210.507 ± 0.045 $\chi^2/\text{NDF}: 351245.8/13$

+ sign 192.958 ± 0.032 $\chi^2/\text{NDF}: 1909952.8/31$

All: 188.827 ± 0.022 $\chi^2/\text{NDF}: 4238496.4/64$

- sign 184.823 ± 0.031 $\chi^2/\text{NDF}: 2295543.3/32$

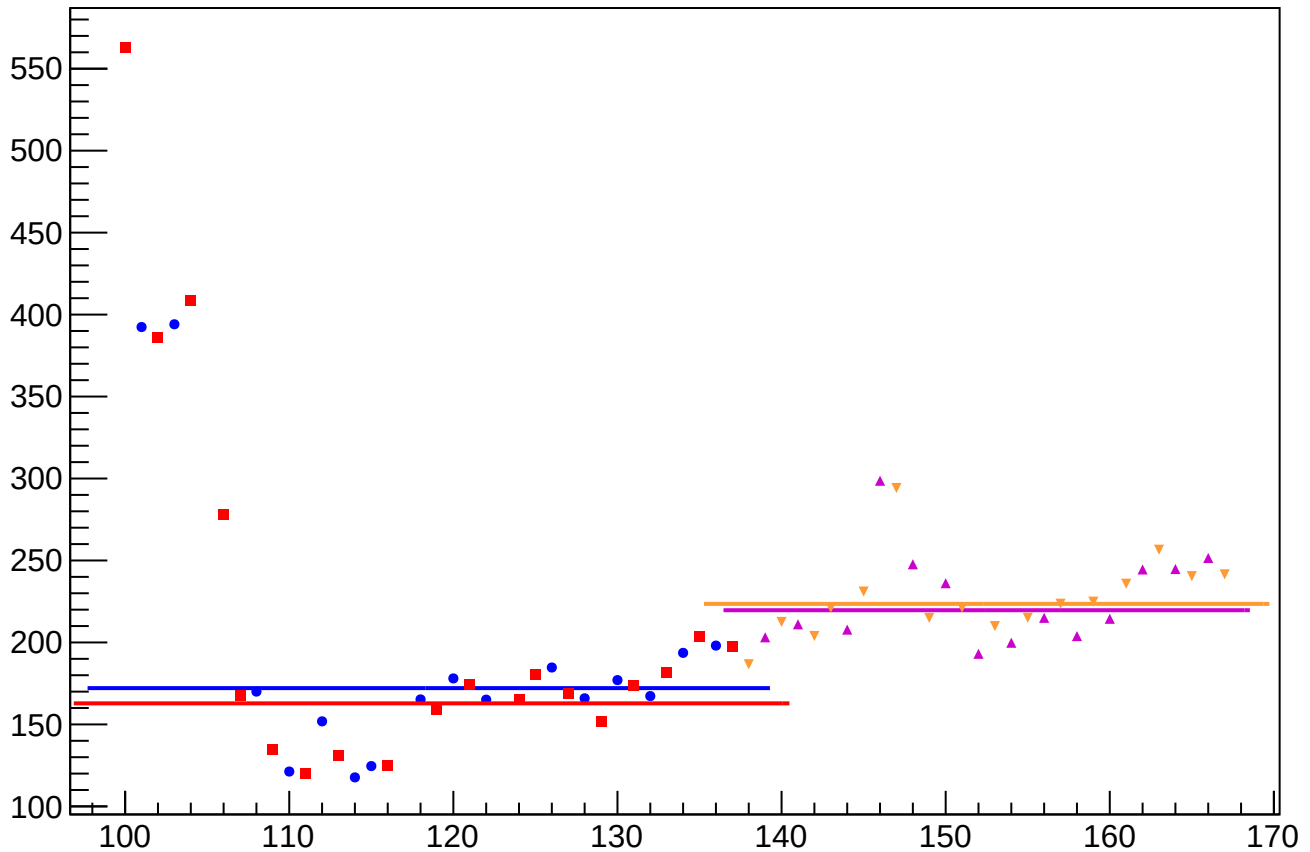
yield_bpm0l09WS_mean vs Slug



Right In: 141681.846 $\pm$ 0.068 χ^2 /NDF: 64292997.9/15
 Left Out: 143695.478 $\pm$ 0.064 χ^2 /NDF: 701543396.0/15
 Right Out: 141704.185 $\pm$ 0.064 χ^2 /NDF: 65526811.0/18
 Left In: 143477.392 $\pm$ 0.066 χ^2 /NDF: 486408974.3/13

+ sign 142754.781 $\pm$ 0.047 χ^2 /NDF: 1229385362.7
 All: 142656.775 $\pm$ 0.033 χ^2 /NDF: 216385578
 - sign 142562.236 $\pm$ 0.046 χ^2 /NDF: 925803682.6/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF : 1068587.8/15

Left Out: 223.532+/-0.045 χ^2/NDF : 227221.5/15

+ sign 199.523+/-0.033 χ^2/NDF : 1899713.7/31

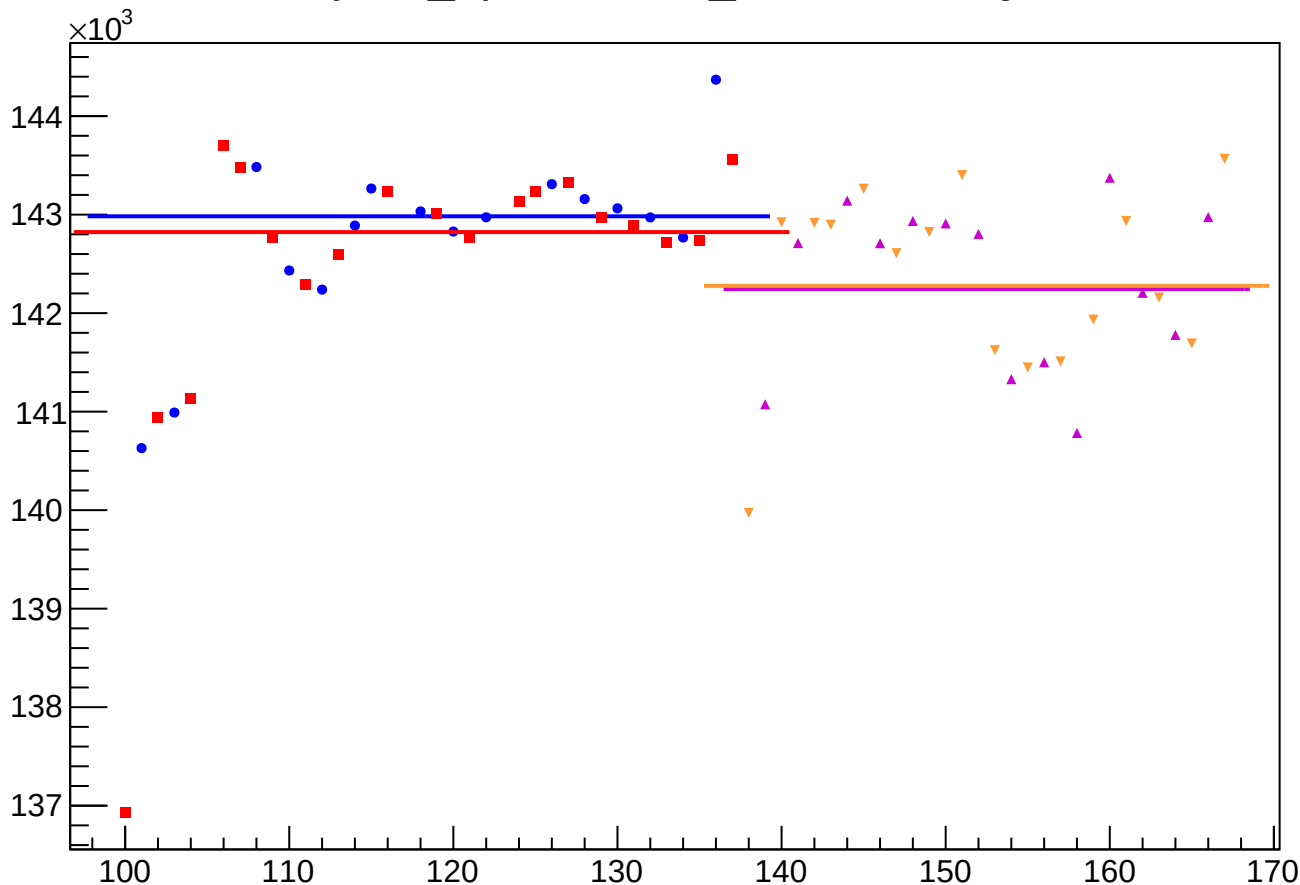
Right Out: 162.845+/-0.045 χ^2/NDF : 1305855.8/18

All: 194.848+/-0.023 χ^2/NDF : 4290835.7/64

Left In: 219.662+/-0.047 χ^2/NDF : 278120.2/13

- sign 190.339+/-0.032 χ^2/NDF : 2351685.7/32

yield_bpm0l10WS_mean vs Slug



Right In: 142983.006 $\pm$ 0.069 χ^2 /NDF: 107696217.2/15

Left Out: 142277.540 $\pm$ 0.059 χ^2 /NDF: 274592719.2/15

Right Out: 142822.727 $\pm$ 0.064 χ^2 /NDF: 63581232.6/18

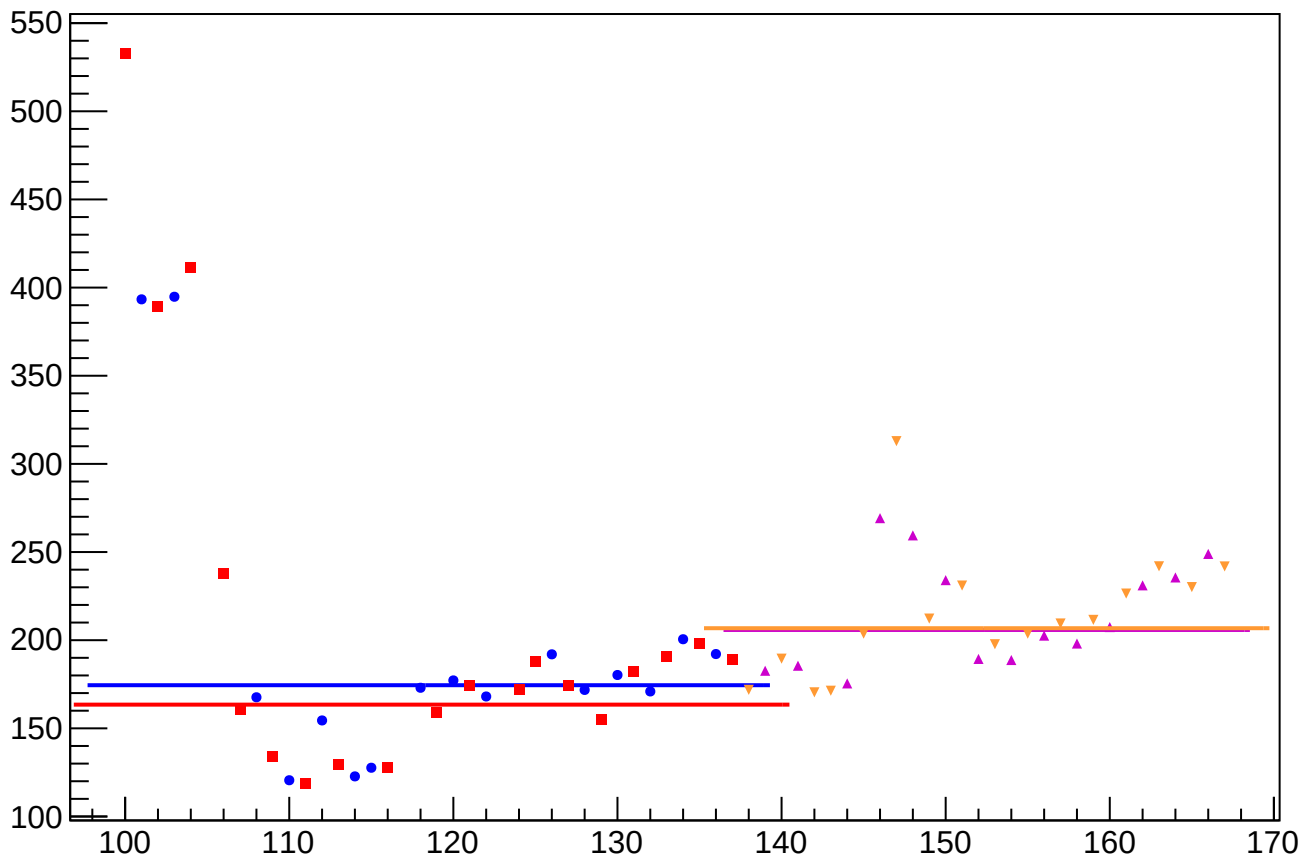
Left In: 142244.059 $\pm$ 0.062 χ^2 /NDF: 195560966.4/13

+ sign 142577.570 $\pm$ 0.045 χ^2 /NDF: 442172885.9/3

All: 142549.942 $\pm$ 0.032 χ^2 /NDF: 744350634.0/1

- sign 142523.055 $\pm$ 0.044 χ^2 /NDF: 301436272.5/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467 ± 0.049 χ^2/NDF : 1049126.7/15

Left Out: 206.795 ± 0.042 χ^2/NDF : 488681.0/15

Right Out: 163.448 ± 0.045 χ^2/NDF : 1282494.1/18

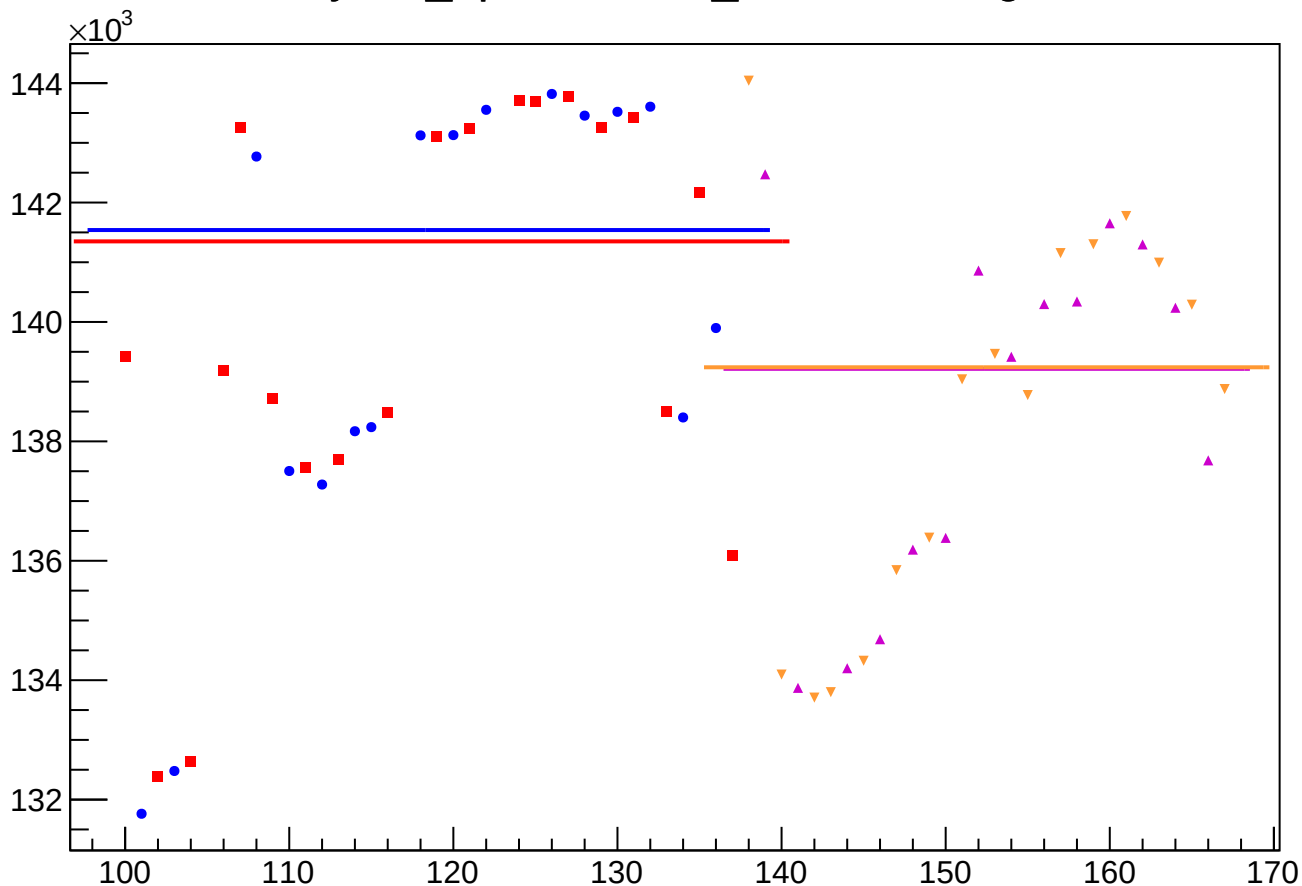
Left In: 205.806 ± 0.044 χ^2/NDF : 393743.8/13

+ sign 193.046 ± 0.032 χ^2/NDF : 1789319.0/31

All: 189.163 ± 0.022 χ^2/NDF : 3948083.5/64

- sign 185.384 ± 0.031 χ^2/NDF : 2129467.6/32

yield_bpm0r03WS_mean vs Slug



Right In: 141539.467 $\pm$ 0.101 χ^2 /NDF: 947743743.7/15

Left Out: 139240.714 $\pm$ 0.088 χ^2 /NDF: 1414035764.0/15

Right Out: 141349.499 $\pm$ 0.101 χ^2 /NDF: 926661757.9/18

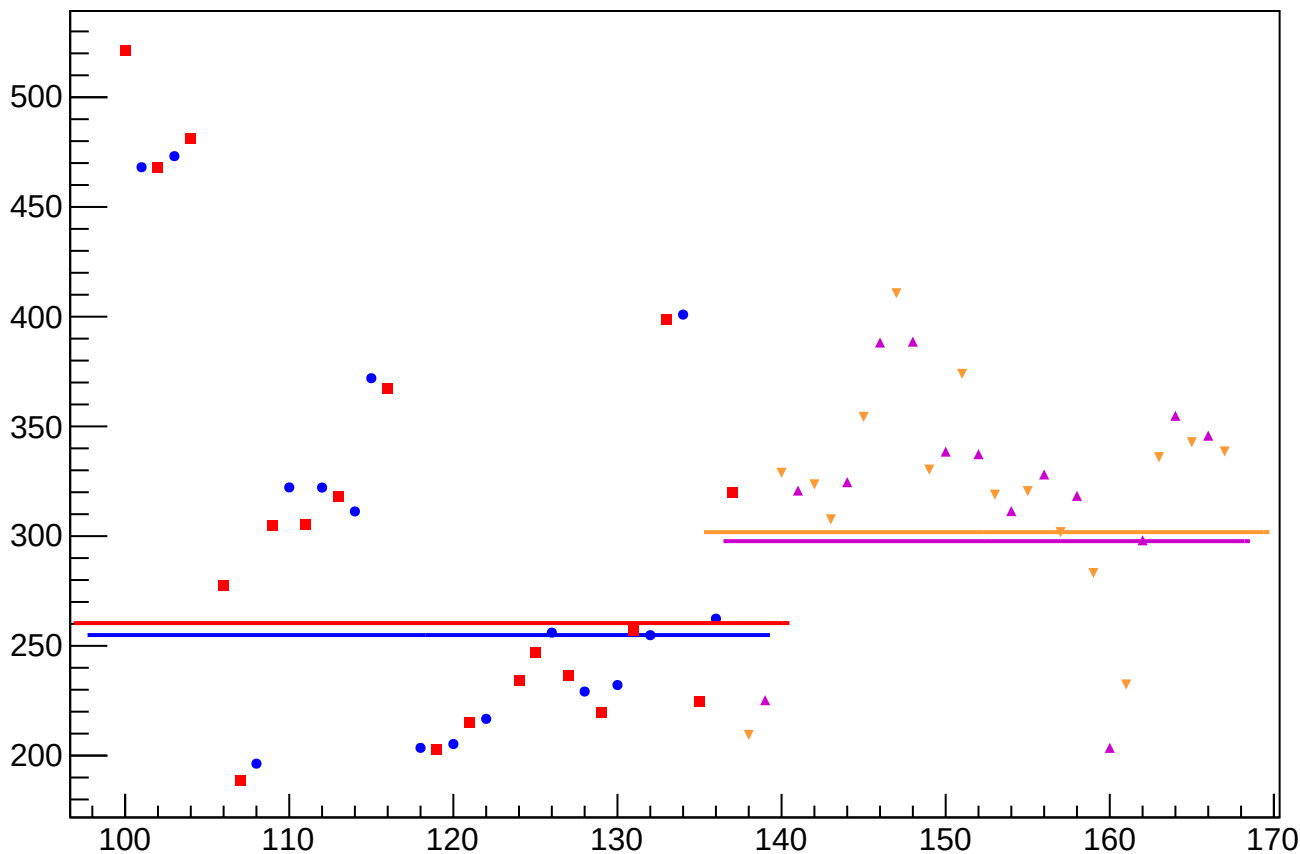
Left In: 139215.255 $\pm$ 0.091 χ^2 /NDF: 1044246907.8/13

+ sign 140230.270 $\pm$ 0.066 χ^2 /NDF: 2657911095.5

All: 140200.370 $\pm$ 0.047 χ^2 /NDF: 487591619

- sign 140169.173 $\pm$ 0.068 χ^2 /NDF: 2217587520.2

yield_bpm0r03WS_rms vs Slug



Right In: 254.919 ± 0.071 χ^2/NDF : 949952.1/15

Left Out: 301.827 ± 0.062 χ^2/NDF : 745175.9/15

Right Out: 260.369 ± 0.071 χ^2/NDF : 993300.6/18

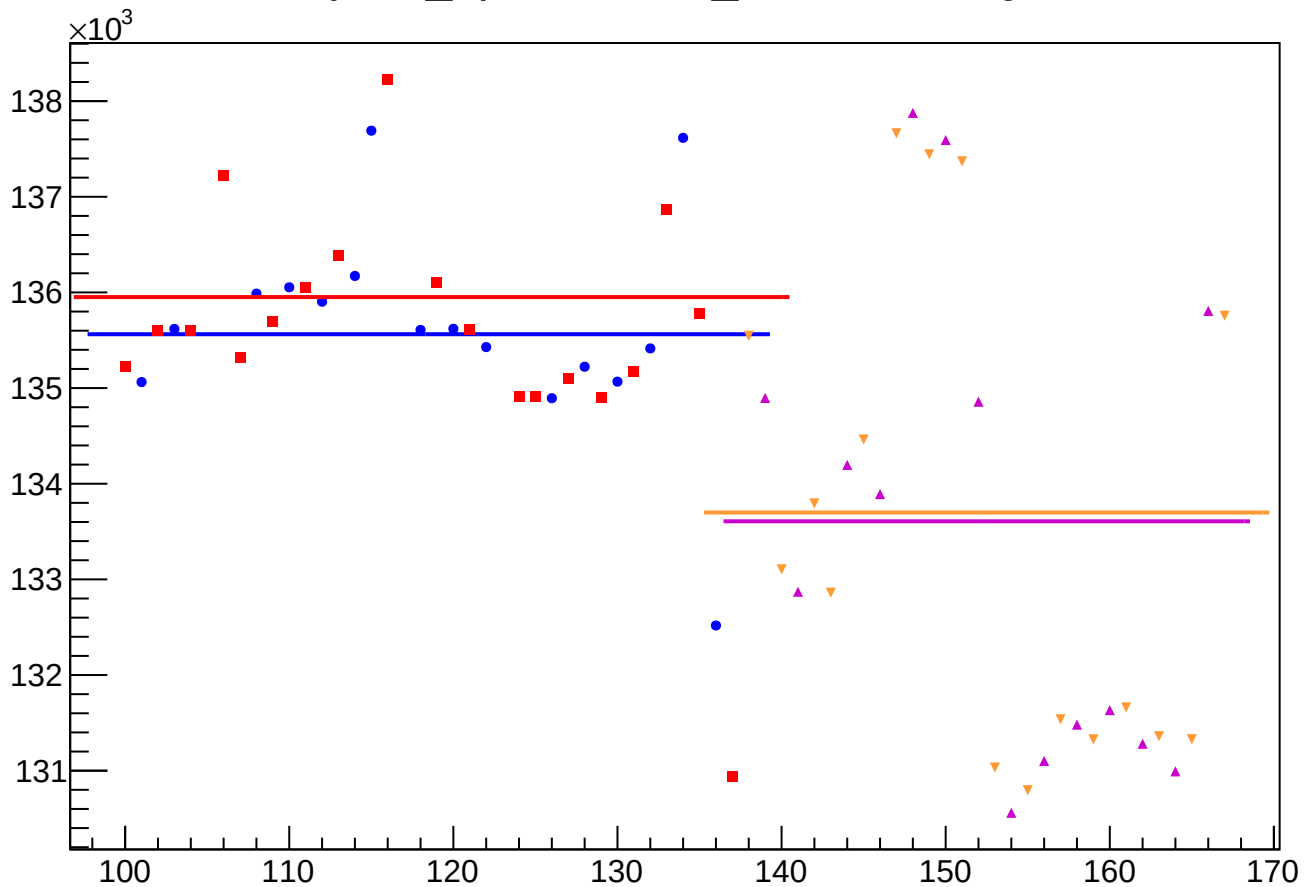
Left In: 297.710 ± 0.064 χ^2/NDF : 843141.3/13

+ sign 281.634 ± 0.047 χ^2/NDF : 1941739.9/31

All: 281.334 ± 0.033 χ^2/NDF : 3929296.7/64

- sign 281.020 ± 0.048 χ^2/NDF : 1987472.5/32

yield_bpm0r05WS_mean vs Slug



Right In: 135563.062 $\pm$ 0.118 χ^2/NDF : 94169293.7/15

Left Out: 133699.351 $\pm$ 0.077 χ^2/NDF : 696294069.6/15

Right Out: 135951.486 $\pm$ 0.106 χ^2/NDF : 91577209.6/18

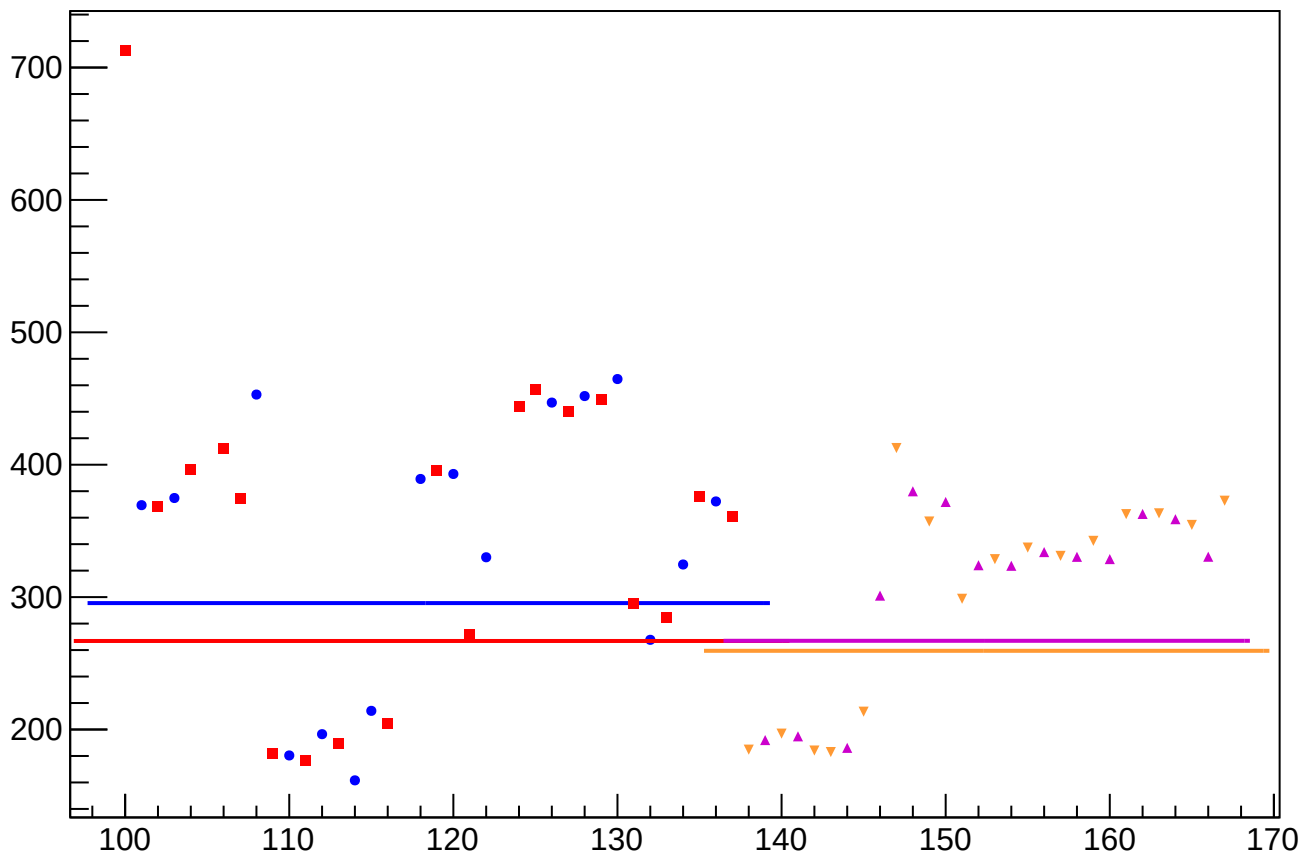
Left In: 133607.135 $\pm$ 0.083 χ^2/NDF : 555434336.1/13

+ sign 134257.446 $\pm$ 0.065 χ^2/NDF : 964175031.4/3

All: 134373.056 $\pm$ 0.046 χ^2/NDF : 192040928

- sign 134490.528 $\pm$ 0.065 χ^2/NDF : 949810198.6/3

yield_bpm0r05WS_rms vs Slug



Right In: 295.481 $\pm$ 0.084 χ^2 /NDF: 1442531.9/15

Left Out: 259.437 $\pm$ 0.055 χ^2 /NDF:2102560.0/15

Right Out: 266.864 $\pm$ 0.075 χ^2 /NDF: 1678073.6/18

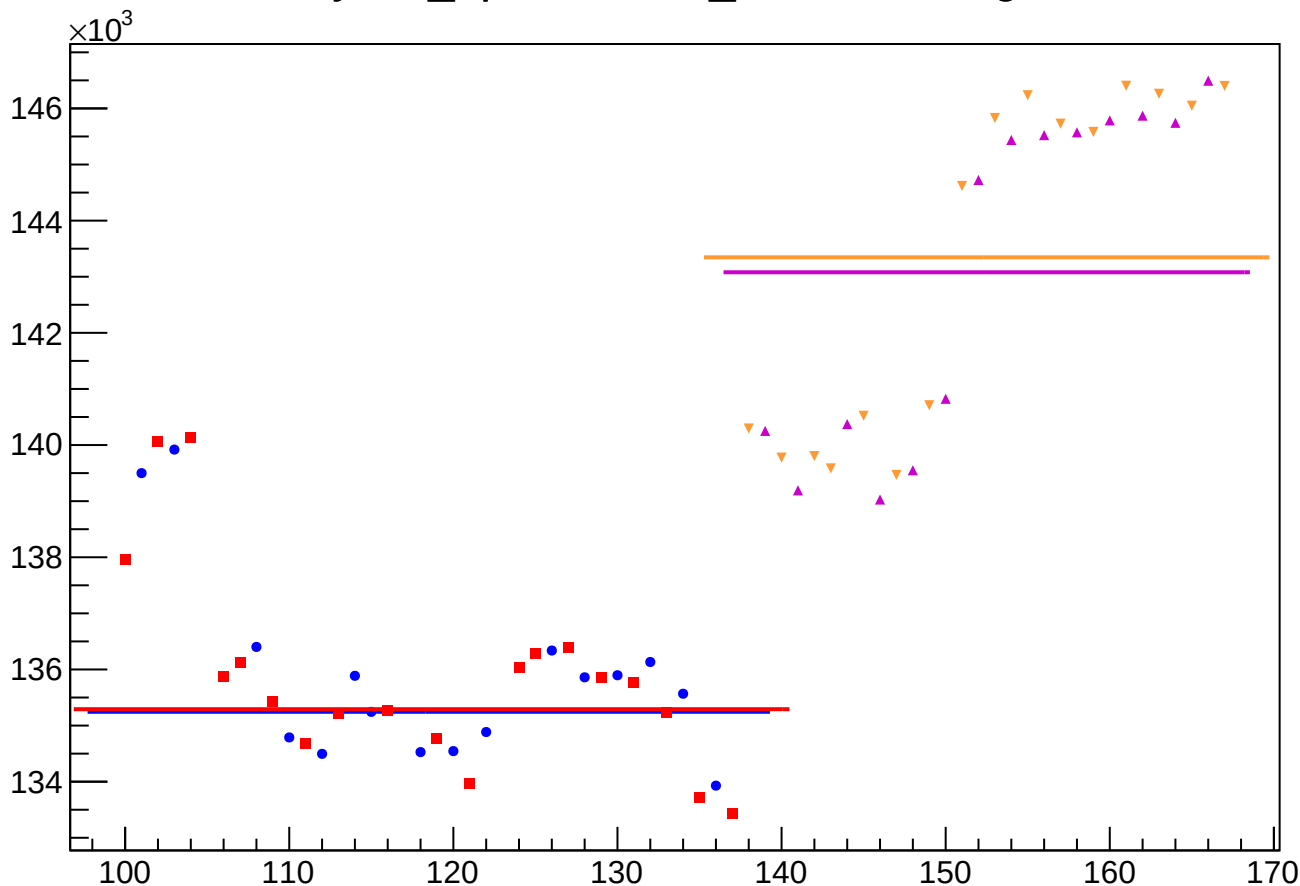
Left In: 266.994 $\pm$ 0.058 χ^2 /NDF:1648606.7/13

+ sign 270.231 $\pm$ 0.046 χ^2 /NDF: 3675041.9/31

All: 268.601 $\pm$ 0.033 χ^2 /NDF: 7004276.7/64

- sign 266.945 $\pm$ 0.046 χ^2 /NDF: 3326682.2/32

yield_bpm0i02WS_mean vs Slug



Right In: 135246.269 $\pm$ 0.055 χ^2 /NDF: 388384719.1/15

Left Out: 143346.132 $\pm$ 0.056 χ^2 /NDF: 2743649474.9/15

Right Out: 135291.851 $\pm$ 0.052 χ^2 /NDF: 381790556.0/18

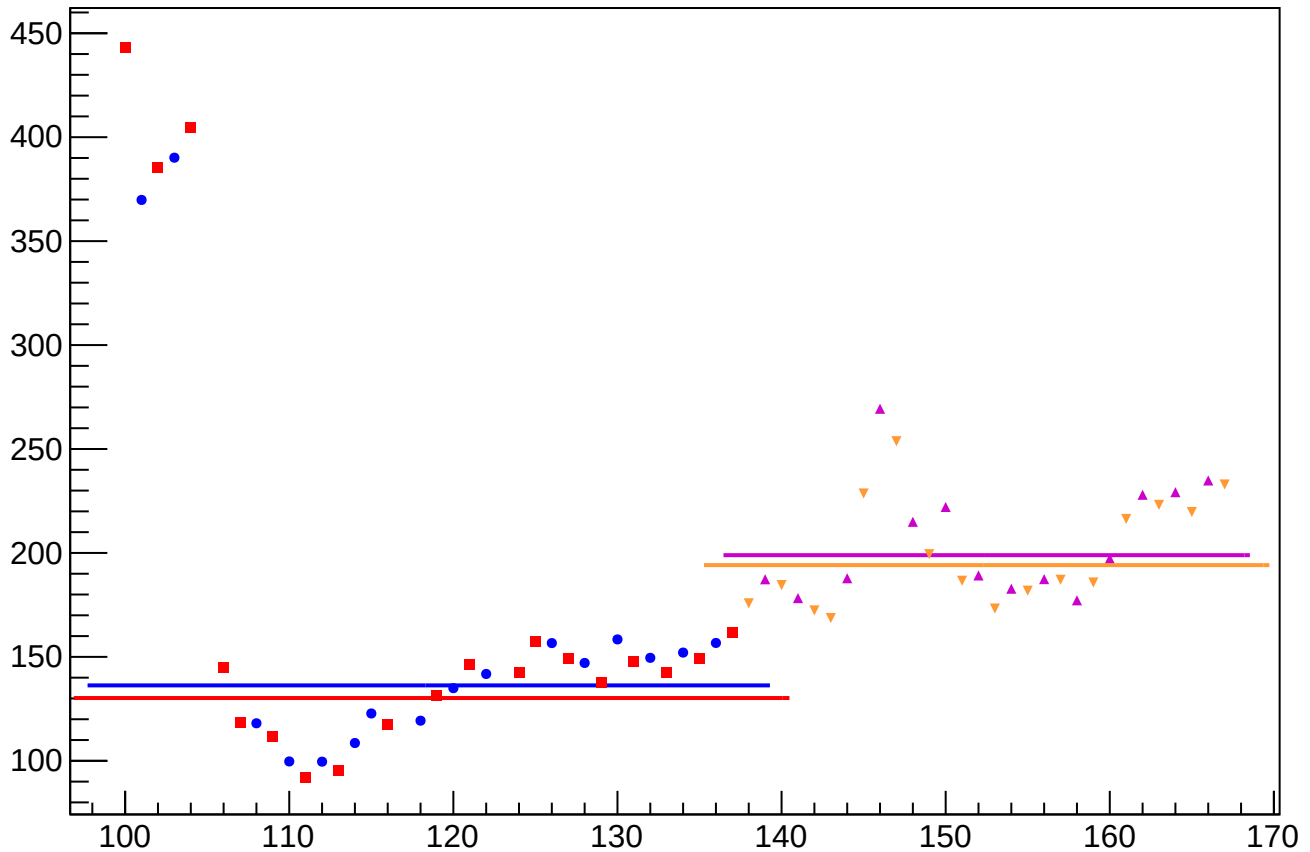
Left In: 143079.689 $\pm$ 0.060 χ^2 /NDF: 2275529393.3/13

+ sign 139221.726 $\pm$ 0.039 χ^2 /NDF: 13885389266.

All: 138927.846 $\pm$ 0.028 χ^2 /NDF: 263726763

- sign 138633.138 $\pm$ 0.039 χ^2 /NDF: 12373844277.1

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF : 1384057.4/15

Left Out: 194.141+/-0.039 χ^2/NDF : 339346.9/15

Right Out: 130.206+/-0.037 χ^2/NDF : 1520840.8/18

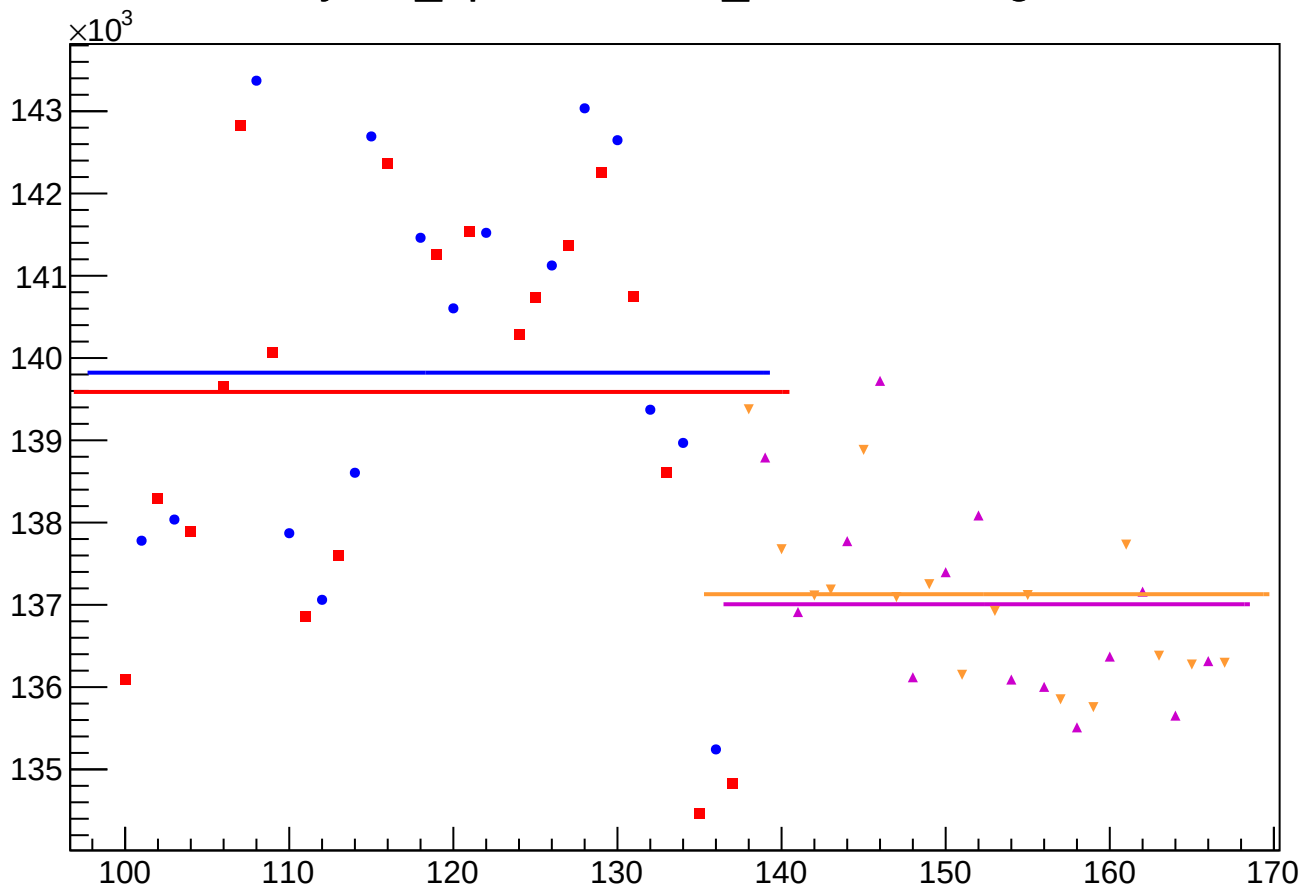
Left In: 198.935+/-0.042 χ^2/NDF : 302278.3/13

+ sign 164.681+/-0.028 χ^2/NDF : 2820677.8/31

All: 162.191+/-0.020 χ^2/NDF : 6173625.6/64

- sign 159.693+/-0.028 χ^2/NDF : 3336656.2/32

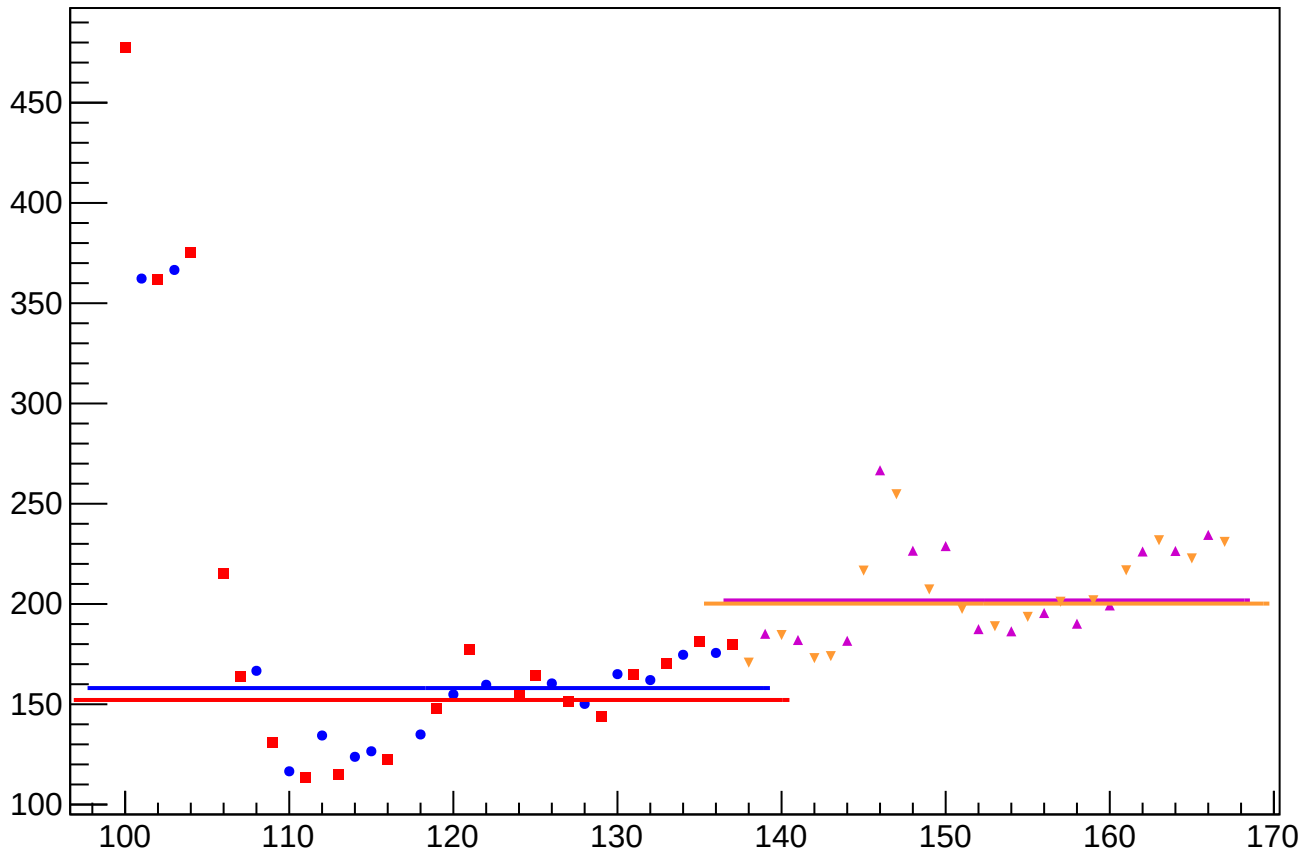
yield_bpm0i02aWS_mean vs Slug



Right In: 139822.122 ± 0.063 $\chi^2/\text{NDF}: 1663381581.4/15$
 Left Out: 137129.393 ± 0.058 $\chi^2/\text{NDF}: 315473029.3/15$
 Right Out: 139587.876 ± 0.060 $\chi^2/\text{NDF}: 1482934186.2/18$
 Left In: 137007.177 ± 0.061 $\chi^2/\text{NDF}: 354969449.3/13$

+ sign 138362.877 ± 0.042 $\chi^2/\text{NDF}: 2981821598.9$
 All: 138340.193 ± 0.030 $\chi^2/\text{NDF}: 573949073$
 - sign 138317.303 ± 0.043 $\chi^2/\text{NDF}: 2757093074.7$

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079 $\pm$ 0.044 χ^2 /NDF: 1017928.9/15

Left Out: 200.203 $\pm$ 0.041 χ^2 /NDF:286927.9/15

Right Out: 152.139 $\pm$ 0.042 χ^2 /NDF: 1229053.9/18

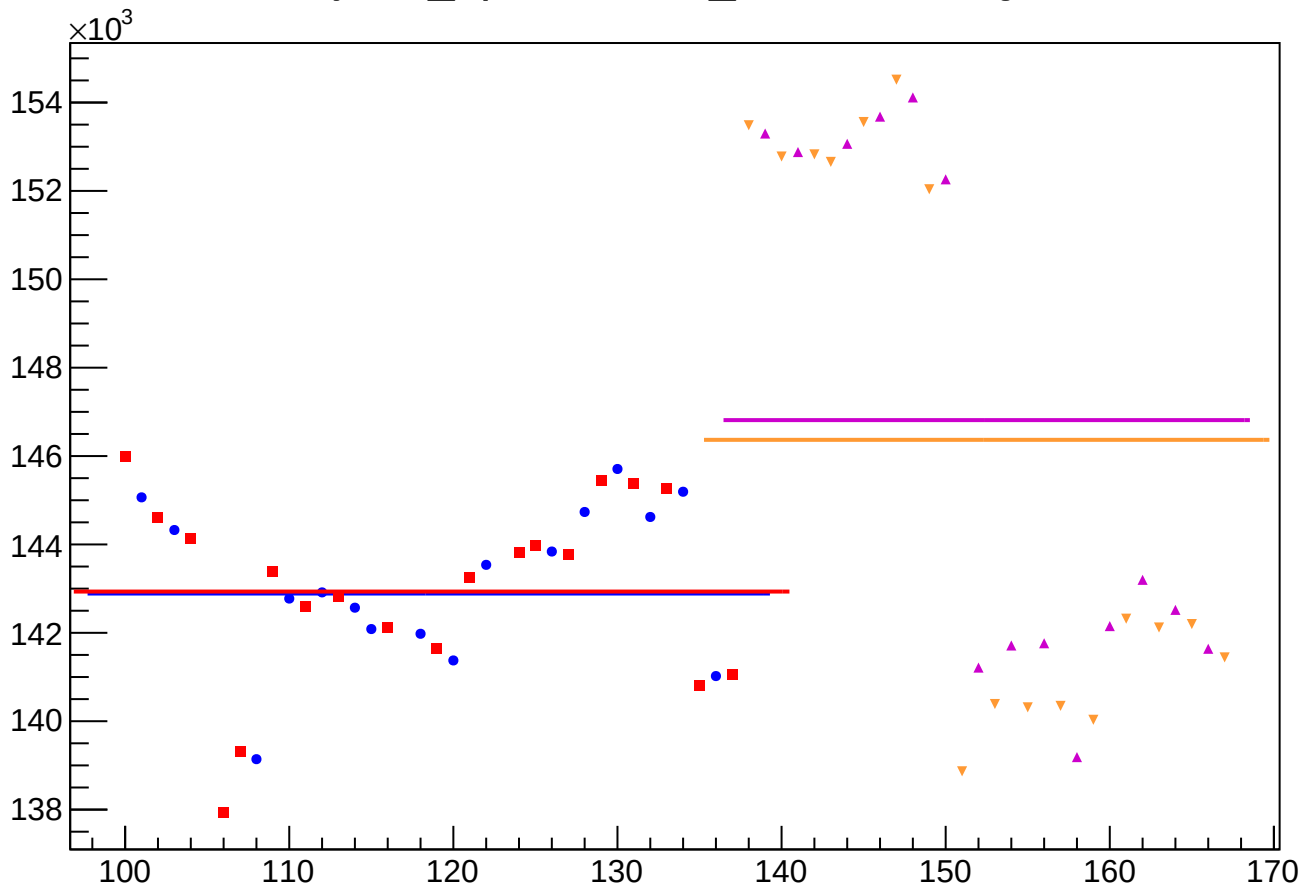
Left In: 201.782 $\pm$ 0.043 χ^2 /NDF:285570.6/13

+ sign 180.907 $\pm$ 0.030 χ^2 /NDF: 1795743.6/31

All: 178.753 $\pm$ 0.021 χ^2 /NDF: 4001014.8/64

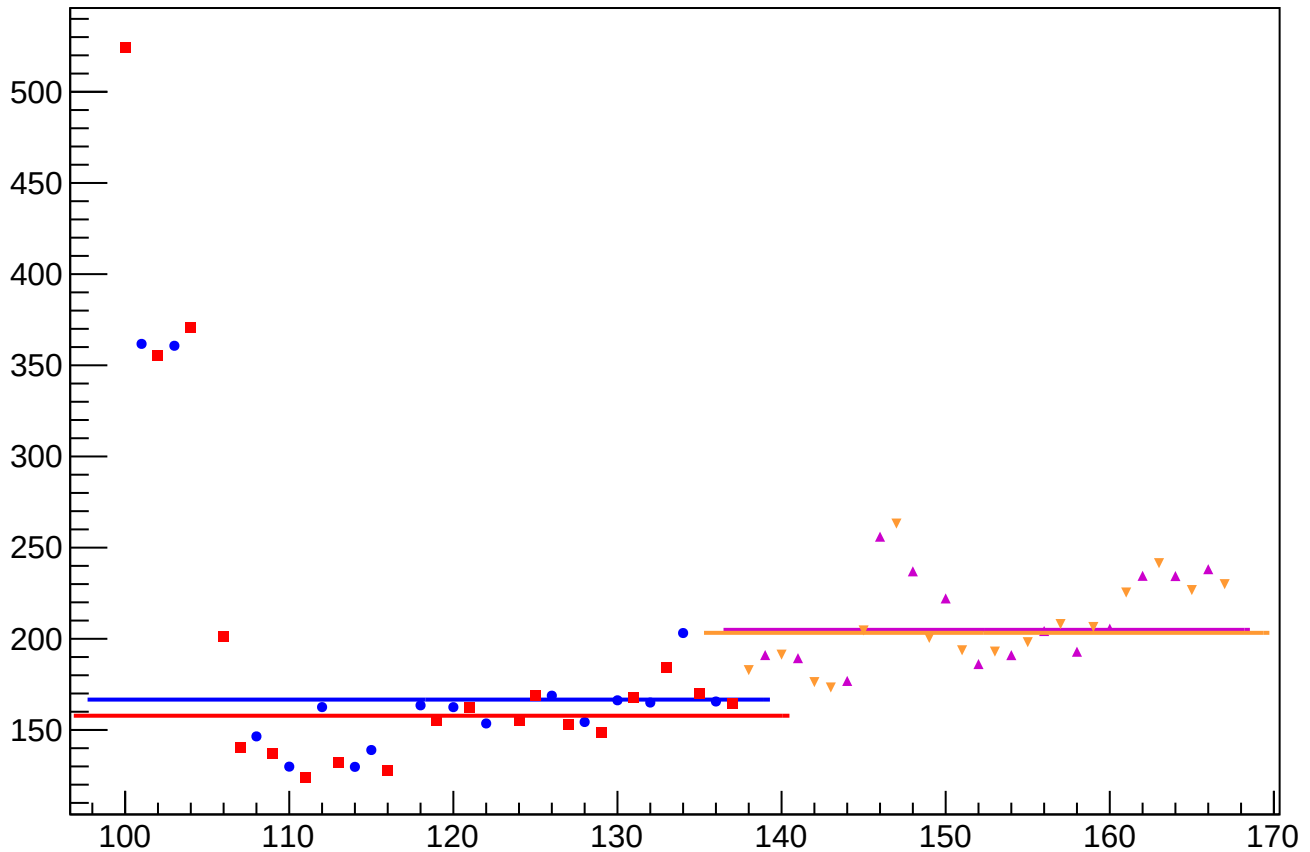
- sign 176.580 $\pm$ 0.030 χ^2 /NDF: 2194886.0/32

yield_bpm0i05WS_mean vs Slug



Right In: 142889.386 $\pm$ 0.066	χ^2 /NDF: 763303771.6/15	+ sign 144832.466 $\pm$ 0.044	χ^2 /NDF: 13649493332.
Left Out: 146367.254 $\pm$ 0.058	χ^2 /NDF: 11319890871.8/15	All: 144853.509 $\pm$ 0.031	χ^2 /NDF: 255563345
Right Out: 142933.890 $\pm$ 0.062	χ^2 /NDF: 787386856.4/18	- sign 144874.427 $\pm$ 0.044	χ^2 /NDF: 11906377455.2
Left In: 146813.483 $\pm$ 0.062	χ^2 /NDF: 9130888104.1/13		

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF : 863574.7/15

Left Out: 203.275+/-0.041 χ^2/NDF : 279007.5/15

+ sign 187.115+/-0.031 χ^2/NDF : 1489864.4/31

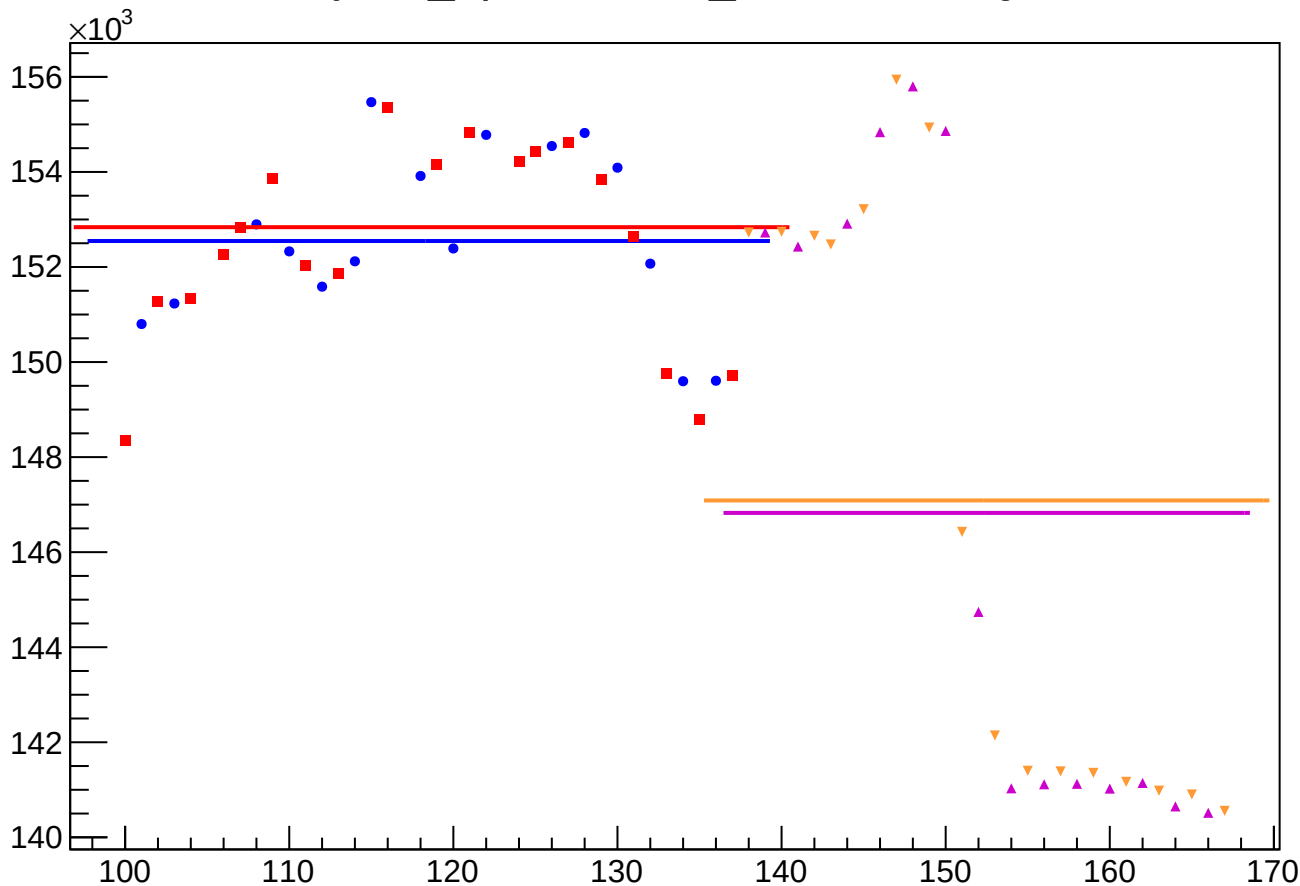
Right Out: 157.809+/-0.044 χ^2/NDF : 1022332.1/18

All: 184.233+/-0.022 χ^2/NDF : 3388493.6/64

- sign 181.368+/-0.031 χ^2/NDF : 1881231.4/32

Left In: 204.910+/-0.043 χ^2/NDF : 272827.9/13

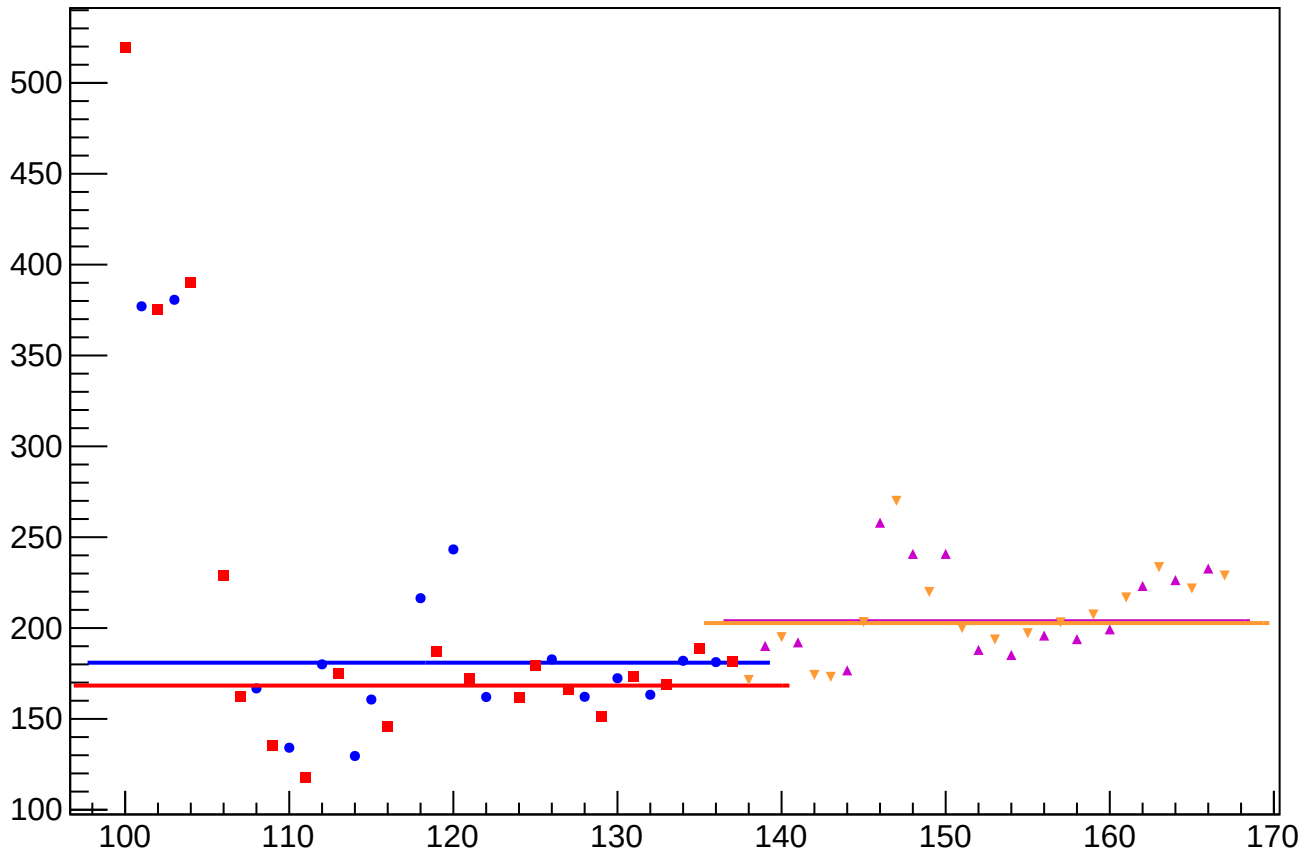
yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073 χ^2 /NDF: 654540559.6/15
 Left Out: 147088.231 $\pm$ 0.058 χ^2 /NDF: 10131633182.9/15
 Right Out: 152837.888 $\pm$ 0.067 χ^2 /NDF: 736907066.8/18
 Left In: 146826.130 $\pm$ 0.061 χ^2 /NDF: 9997083779.0/13

+ sign 149214.903 $\pm$ 0.045 χ^2 /NDF: 14235507390.
 All: 149391.366 $\pm$ 0.032 χ^2 /NDF: 294271618
 - sign 149565.278 $\pm$ 0.045 χ^2 /NDF: 15161557656.5

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 ± 0.051 χ^2/NDF : 907758.2/15

Left Out: 202.738 ± 0.041 χ^2/NDF : 305692.3/15

Right Out: 168.349 ± 0.047 χ^2/NDF : 1089090.2/18

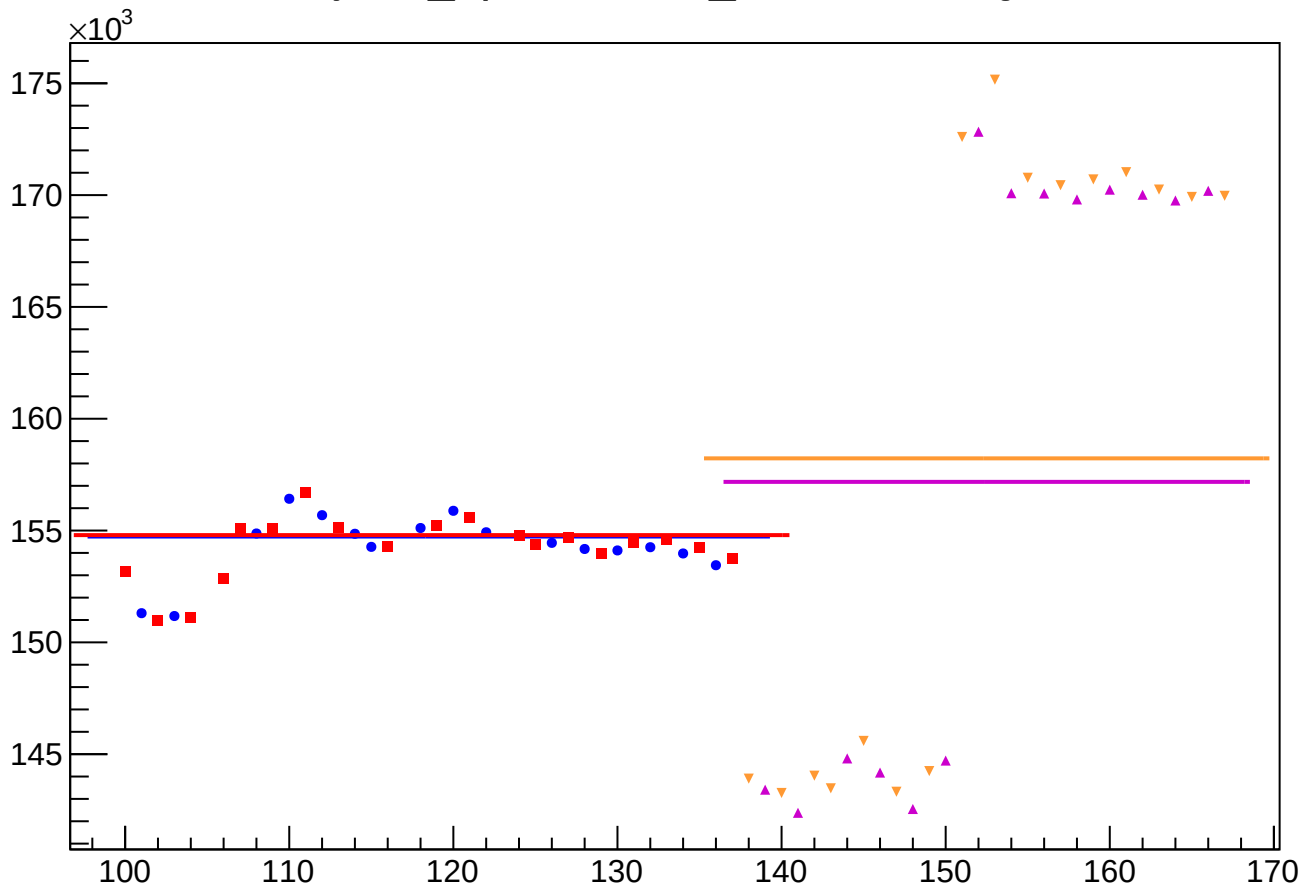
Left In: 203.766 ± 0.043 χ^2/NDF : 292680.9/13

+ sign 194.245 ± 0.032 χ^2/NDF : 1323472.2/31

All: 190.913 ± 0.023 χ^2/NDF : 3034047.0/64

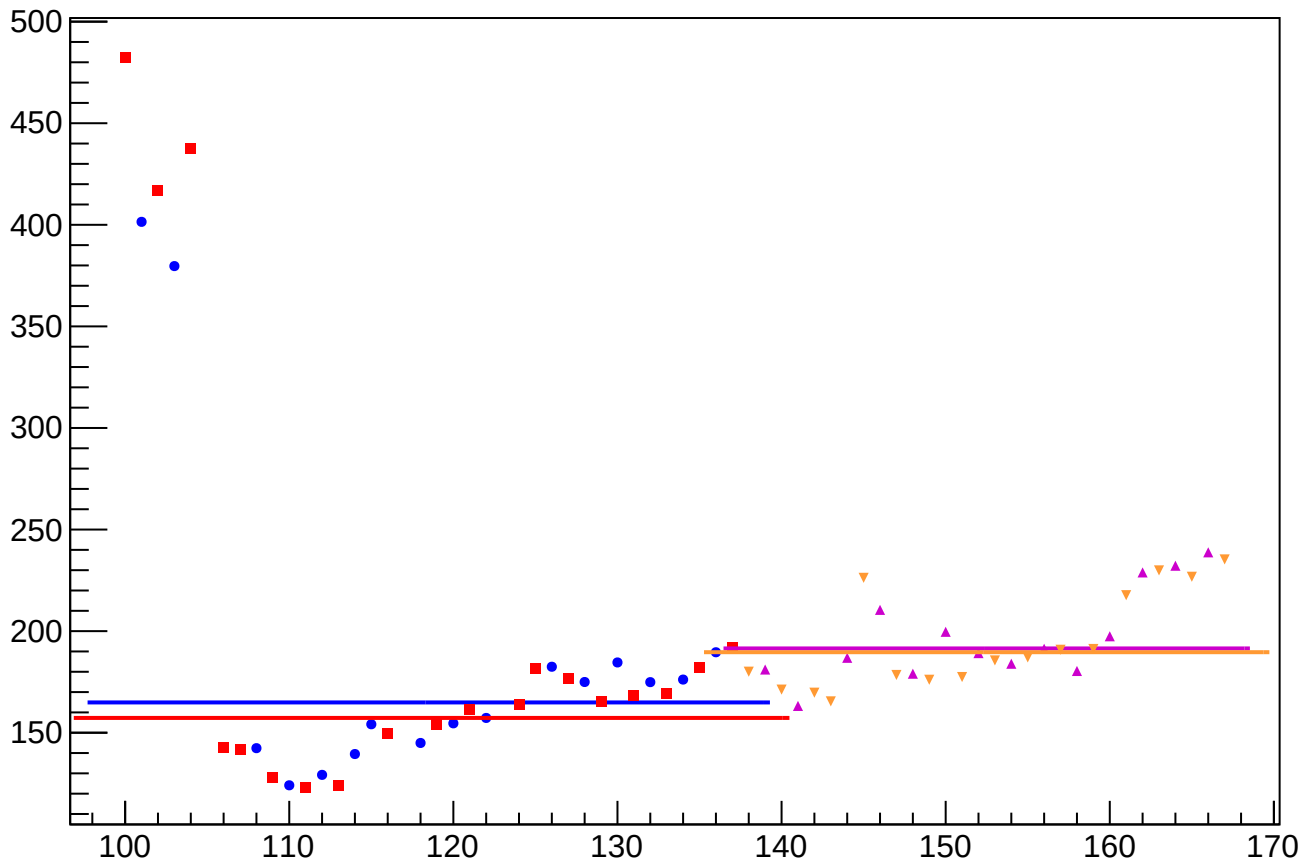
- sign 187.629 ± 0.032 χ^2/NDF : 1689114.9/32

yield_bpm1i02WS_mean vs Slug



Right In: 154733.155 $\pm$ 0.065 χ^2 /NDF: 274462319.1/15
 Left Out: 158228.010 $\pm$ 0.054 χ^2 /NDF: 65306960670.0/15
 Right Out: 154795.893 $\pm$ 0.061 χ^2 /NDF: 304125082.4/18
 Left In: 157176.860 $\pm$ 0.057 χ^2 /NDF: 55840772599.4/13
 + sign 156801.391 $\pm$ 0.042 χ^2 /NDF: 67282007978.
 All: 156434.623 $\pm$ 0.029 χ^2 /NDF: 124393885.
 - sign 156067.281 $\pm$ 0.042 χ^2 /NDF: 56956694866.3

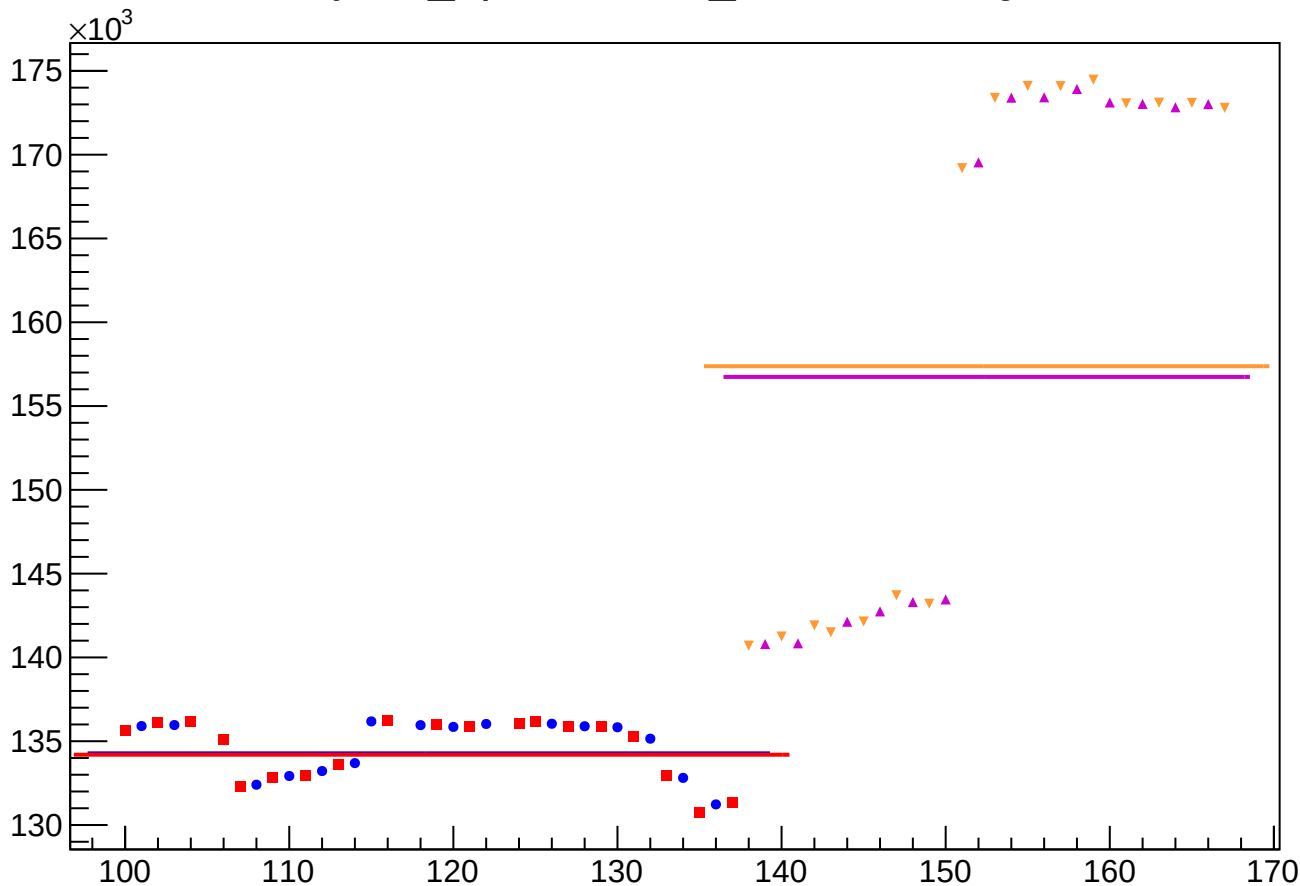
yield_bpm1i02WS_rms vs Slug



Right In: 164.906 $\pm$ 0.046 χ^2 /NDF: 1072730.7/15
Left Out: 189.634 $\pm$ 0.038 χ^2 /NDF:308218.0/15
Right Out: 157.283 $\pm$ 0.043 χ^2 /NDF: 1254831.2/18
Left In: 191.484 $\pm$ 0.040 χ^2 /NDF:219956.5/13

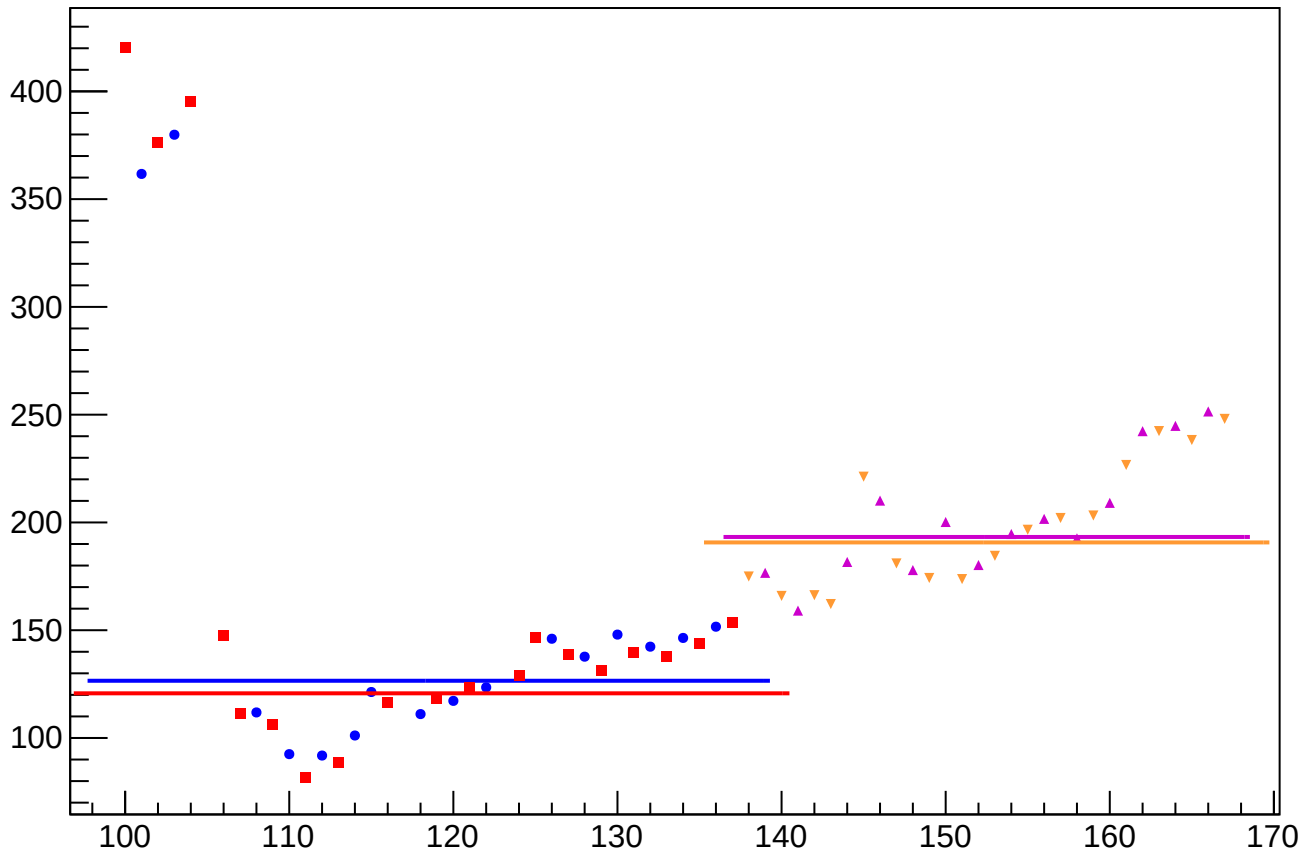
+ sign 179.540 $\pm$ 0.029 χ^2 /NDF: 1551219.4/31
All: 177.544 $\pm$ 0.021 χ^2 /NDF: 3370198.3/64
- sign 175.546 $\pm$ 0.029 χ^2 /NDF: 1809789.4/32

yield_bpm1i04WS_mean vs Slug



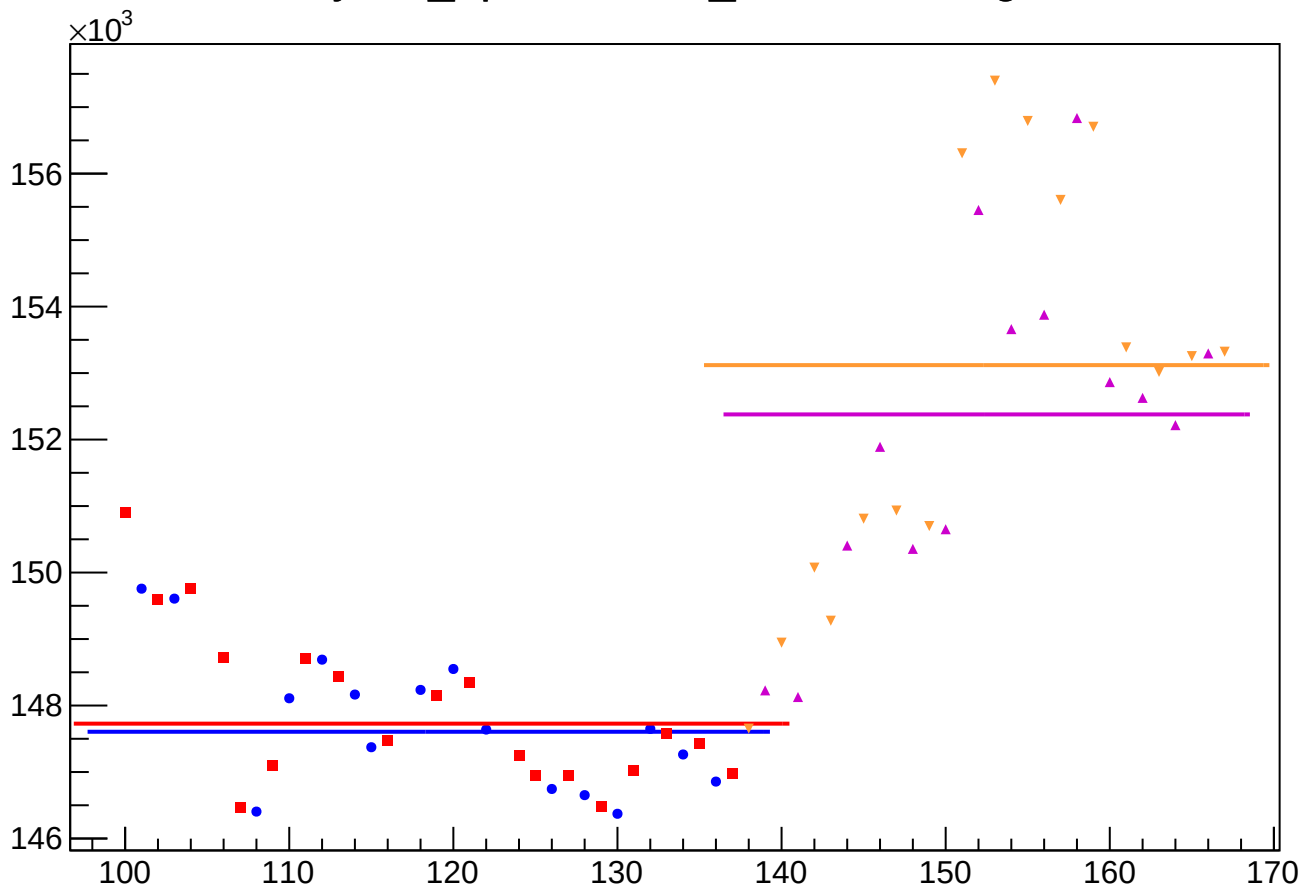
Right In: 134276.096 $\pm$ 0.051	χ^2 /NDF: 1142867100.2/15	+ sign 144991.570 $\pm$ 0.037	χ^2 /NDF: 177292249169
Left Out: 157376.613 $\pm$ 0.055	χ^2 /NDF: 80325733041.3/15	All: 144186.908 $\pm$ 0.026	χ^2 /NDF: 339927454
Right Out: 134195.257 $\pm$ 0.048	χ^2 /NDF: 1205537499.7/18	- sign 143395.437 $\pm$ 0.037	χ^2 /NDF: 161707850136
Left In: 156738.673 $\pm$ 0.058	χ^2 /NDF: 70386761819.0/13		

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036	χ^2/NDF : 1477429.4/15	+ sign 156.321+/-0.026	χ^2/NDF : 3405693.6/31
Left Out: 190.730+/-0.039	χ^2/NDF : 448981.1/15	All: 153.300+/-0.019	χ^2/NDF : 7260025.4/64
Right Out: 120.723+/-0.034	χ^2/NDF : 1632726.2/18	- sign 150.328+/-0.026	χ^2/NDF : 3828184.7/32
Left In: 193.266+/-0.041	χ^2/NDF : 329181.0/13		

yield_bpm1i06WS_mean vs Slug



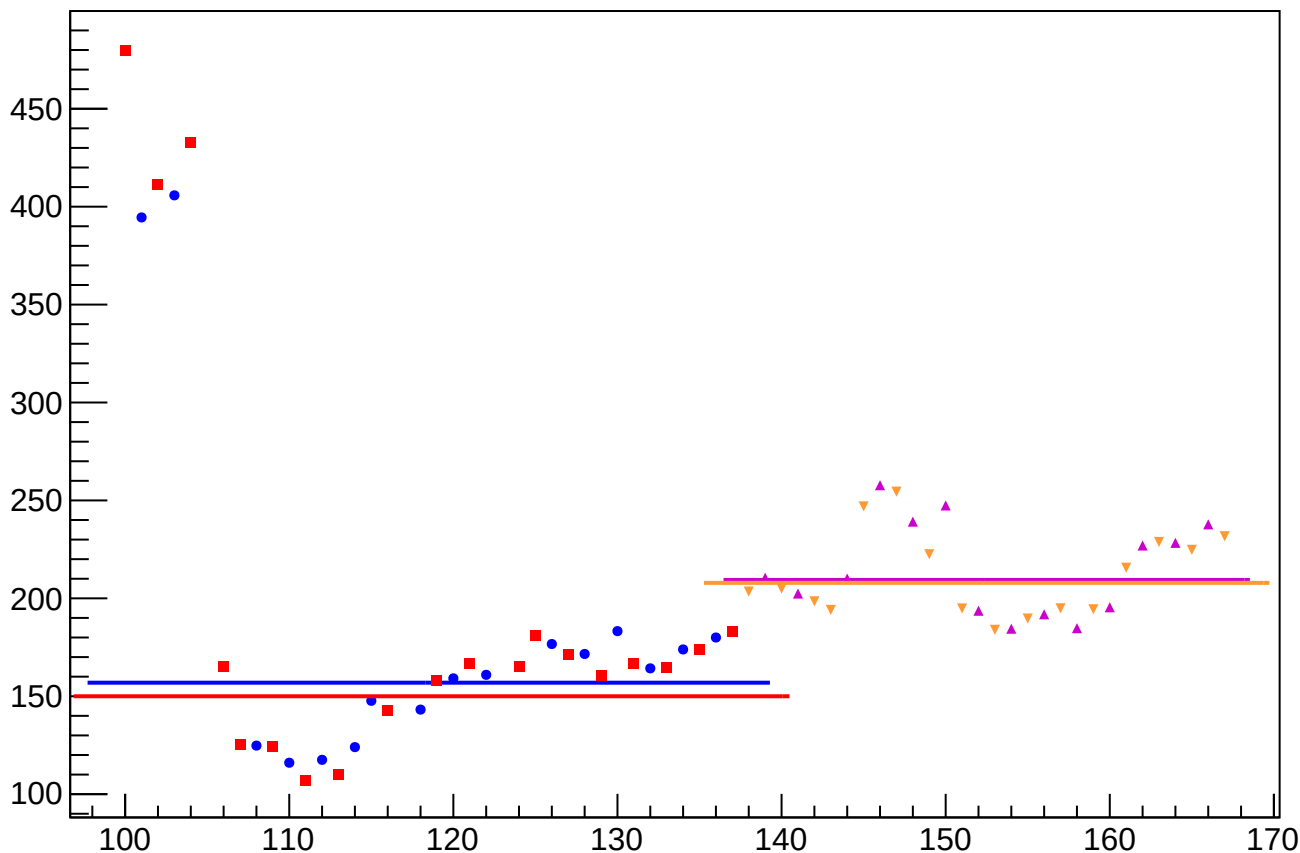
Right In: 147605.604 $\pm$ 0.062 χ^2 /NDF: 200513366.5/15
 Left Out: 153119.637 $\pm$ 0.059 χ^2 /NDF: 2909100401.6/15
 Right Out: 147727.598 $\pm$ 0.059 χ^2 /NDF: 194800119.4/18
 Left In: 152378.404 $\pm$ 0.062 χ^2 /NDF: 1718891182.6/13

+ sign 150505.782 $\pm$ 0.043 χ^2 /NDF: 7206878000.1

All: 150210.331 $\pm$ 0.030 χ^2 /NDF: 121462207

- sign 149916.788 $\pm$ 0.043 χ^2 /NDF: 4845287412.4

yield_bpm1i06WS_rms vs Slug



Right In: 156.927 $\pm$ 0.044 χ^2 /NDF: 1265768.6/15

Left Out: 207.903 $\pm$ 0.042 χ^2 /NDF: 218273.2/15

Right Out: 149.994 $\pm$ 0.042 χ^2 /NDF: 1453928.8/18

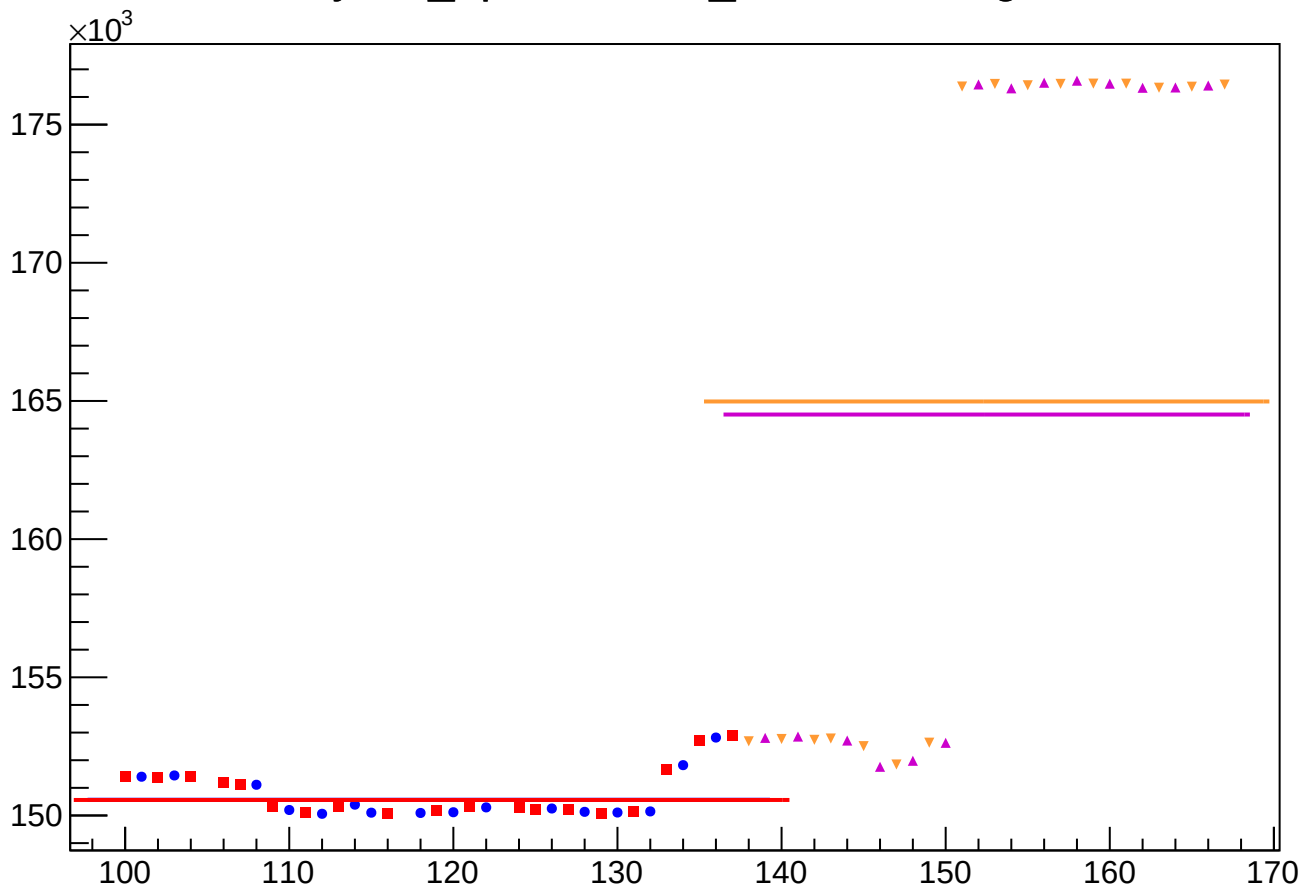
Left In: 209.389 $\pm$ 0.044 χ^2 /NDF: 261002.6/13

+ sign 183.738 $\pm$ 0.030 χ^2 /NDF: 2184383.8/31

All: 180.836 $\pm$ 0.021 χ^2 /NDF: 4873734.8/64

- sign 177.952 $\pm$ 0.030 χ^2 /NDF: 2671195.5/32

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 $\pm$ 0.055 χ^2 /NDF: 237155171.8/15

Left Out: 164981.361 $\pm$ 0.053 χ^2 /NDF: 50443129676.6/15

Right Out: 150561.647 $\pm$ 0.051 χ^2 /NDF: 197500782.5/18

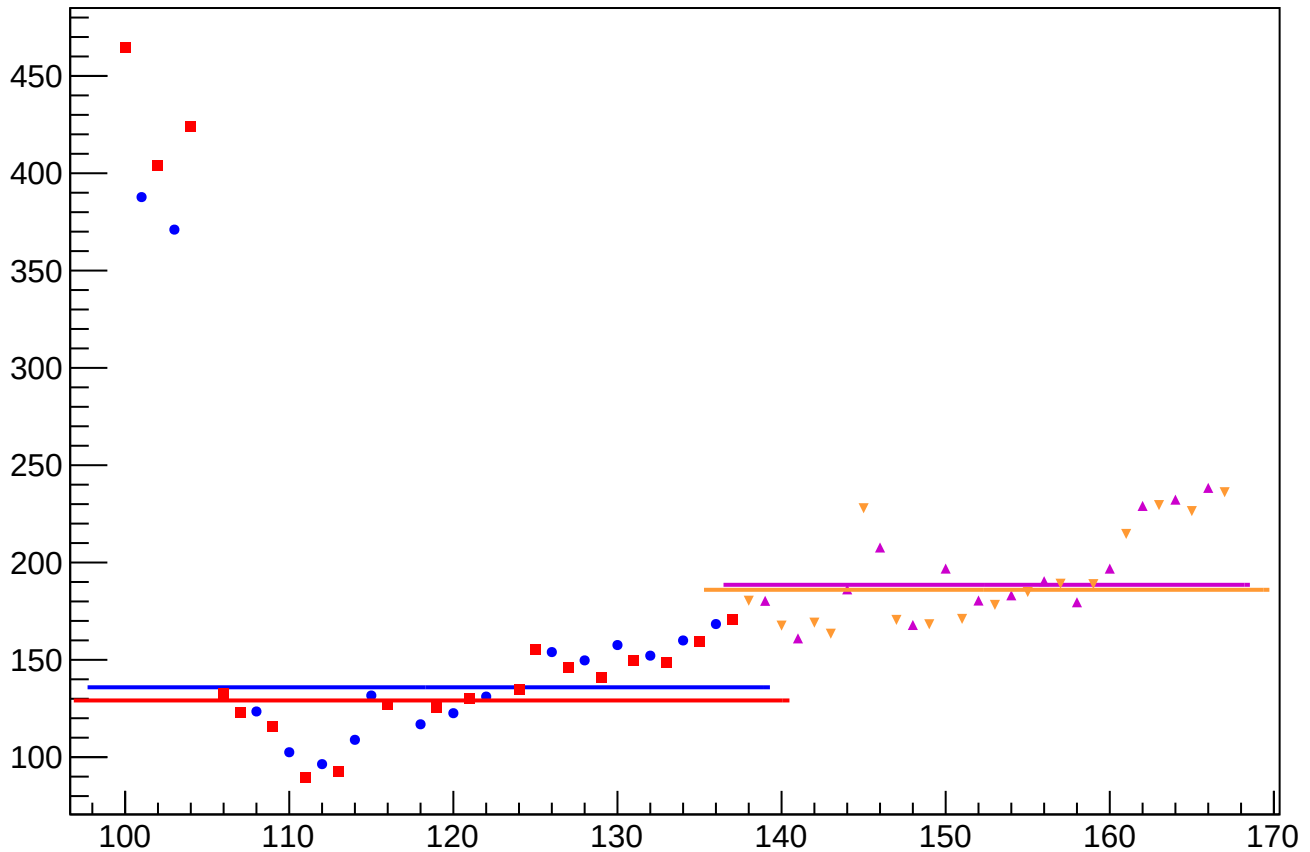
Left In: 164508.781 $\pm$ 0.056 χ^2 /NDF: 45401456457.4/13

+ sign 157974.509 $\pm$ 0.038 χ^2 /NDF: 86470825729.

All: 157409.612 $\pm$ 0.027 χ^2 /NDF: 166270384

- sign 156853.800 $\pm$ 0.038 χ^2 /NDF: 79362910905.5

yield_bpm2i01WS_rms vs Slug



Right In: 135.896 $\pm$ 0.039 χ^2 /NDF: 1416332.3/15

Left Out: 185.989 $\pm$ 0.038 χ^2 /NDF: 364065.4/15

Right Out: 129.130 $\pm$ 0.036 χ^2 /NDF: 1614311.0/18

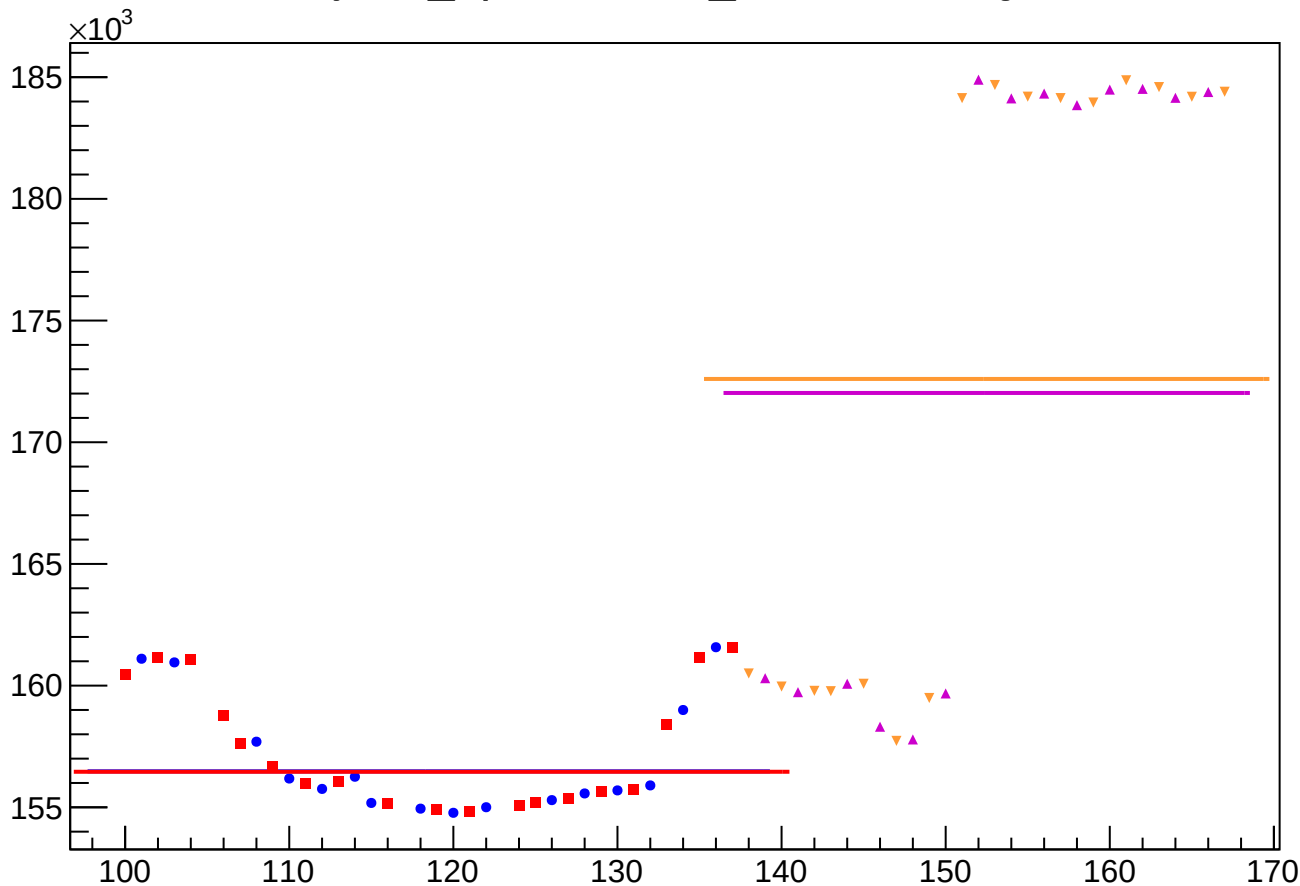
Left In: 188.552 $\pm$ 0.040 χ^2 /NDF: 252580.5/13

+ sign 161.636 $\pm$ 0.027 χ^2 /NDF: 2645079.5/31

All: 158.764 $\pm$ 0.019 χ^2 /NDF: 5760309.8/64

- sign 155.938 $\pm$ 0.027 χ^2 /NDF: 3092658.8/32

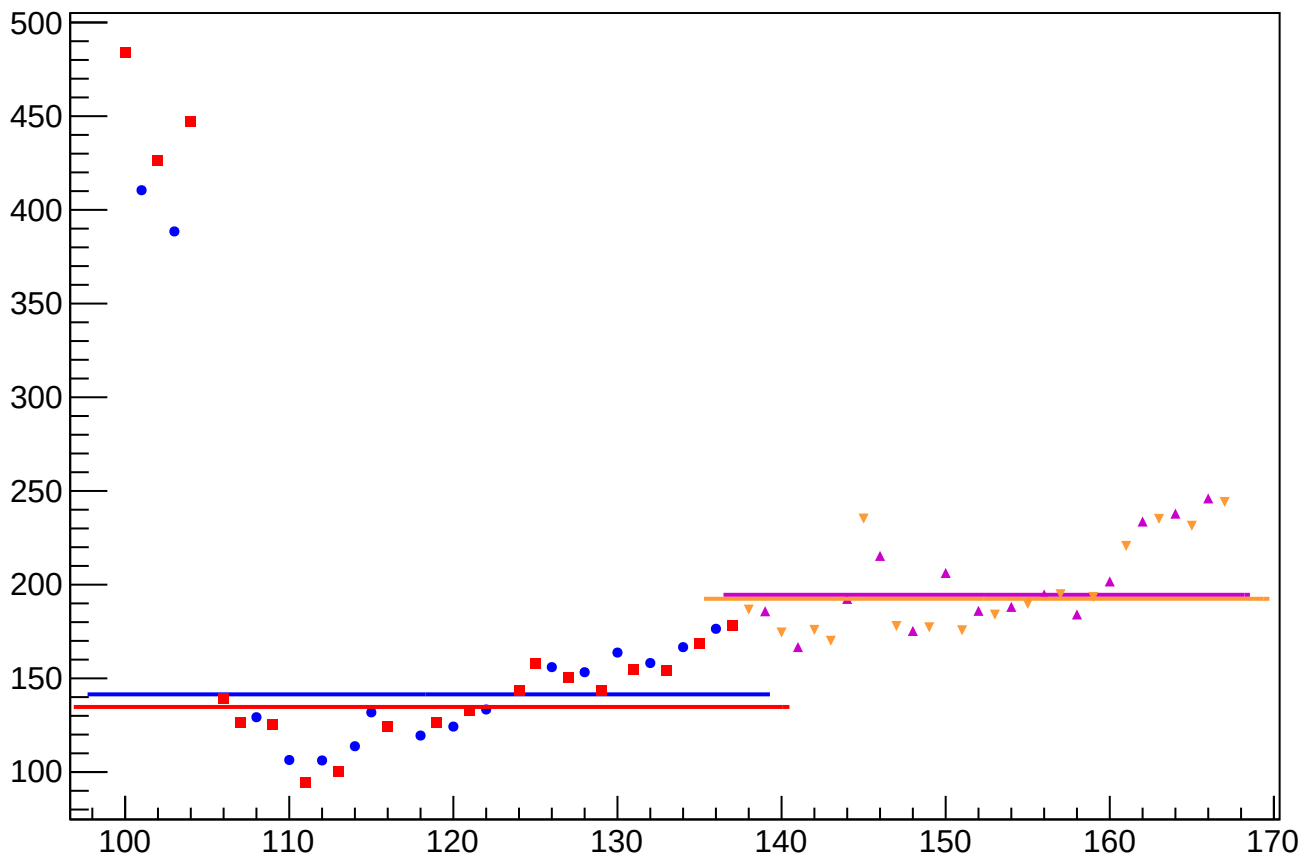
yield_bpm2i02WS_mean vs Slug



Right In: 156478.318 $\pm$ 0.057 χ^2 /NDF: 1289449253.3/15
 Left Out: 172600.778 $\pm$ 0.055 χ^2 /NDF: 50836962896.3/15
 Right Out: 156460.550 $\pm$ 0.053 χ^2 /NDF: 1100531658.8/18
 Left In: 172025.006 $\pm$ 0.058 χ^2 /NDF: 46555759580.4/13

+ sign 164809.197 $\pm$ 0.039 χ^2 /NDF: 93737656114.
 All: 164178.814 $\pm$ 0.028 χ^2 /NDF: 181041155
 - sign 163558.381 $\pm$ 0.039 χ^2 /NDF: 86798032489.9

yield_bpm2i02WS_rms vs Slug



Right In: 141.470 $\pm$ 0.040 χ^2 /NDF: 1391933.2/15

Left Out: 192.466 $\pm$ 0.039 χ^2 /NDF:338489.9/15

Right Out: 134.746 $\pm$ 0.038 χ^2 /NDF: 1579031.5/18

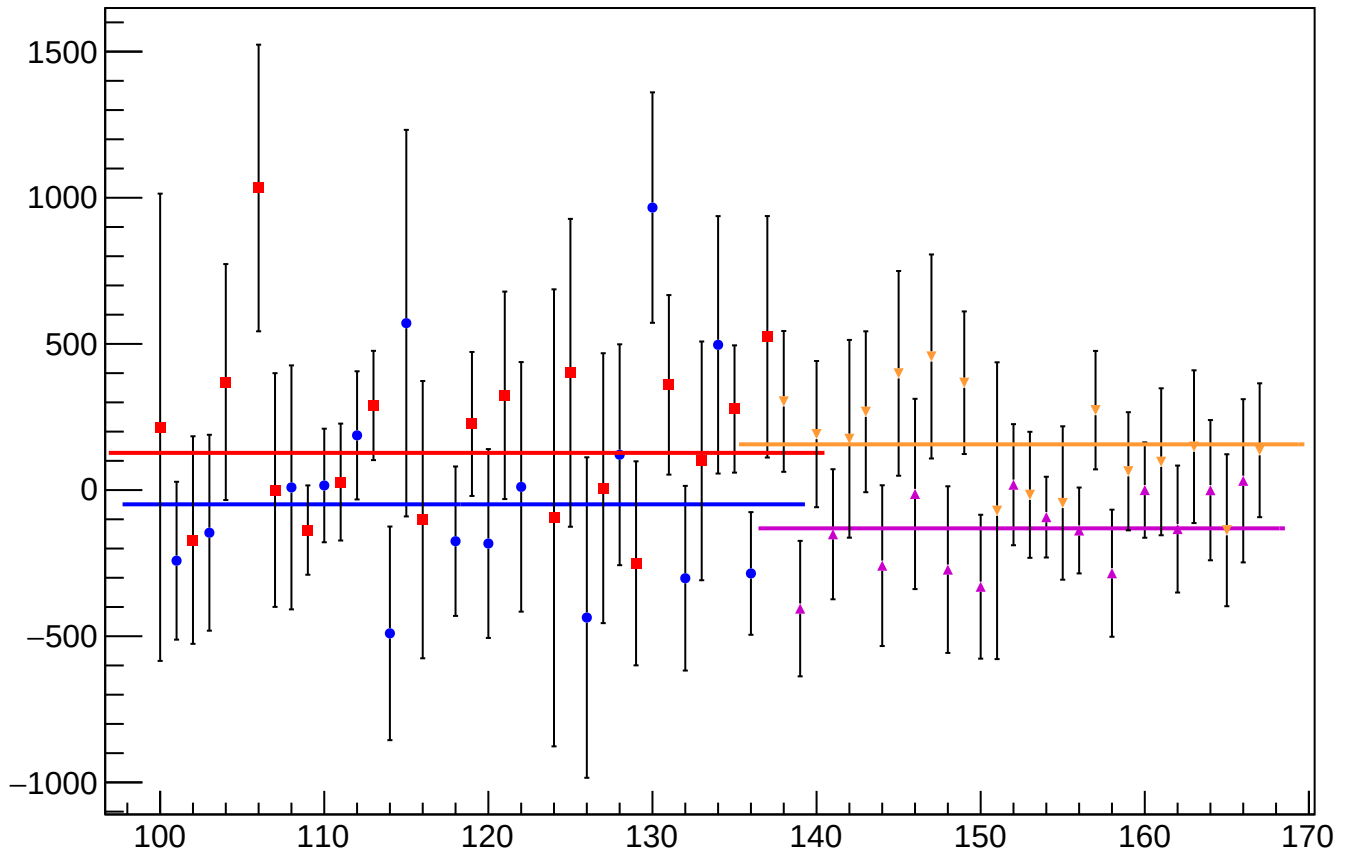
Left In: 194.592 $\pm$ 0.041 χ^2 /NDF:242370.9/13

+ sign 167.821 $\pm$ 0.028 χ^2 /NDF: 2563055.1/31

All: 164.906 $\pm$ 0.020 χ^2 /NDF: 5563449.2/64

- sign 162.037 $\pm$ 0.028 χ^2 /NDF: 2978778.1/32

asym_bcm_target_mean vs Slug



Right In: -48.749 ± 76.592 χ^2/NDF : 15.4/15

Left Out: 156.470 ± 64.355 χ^2/NDF : 5.8/15

Right Out: 127.249 ± 68.506 χ^2/NDF : 12.9/18

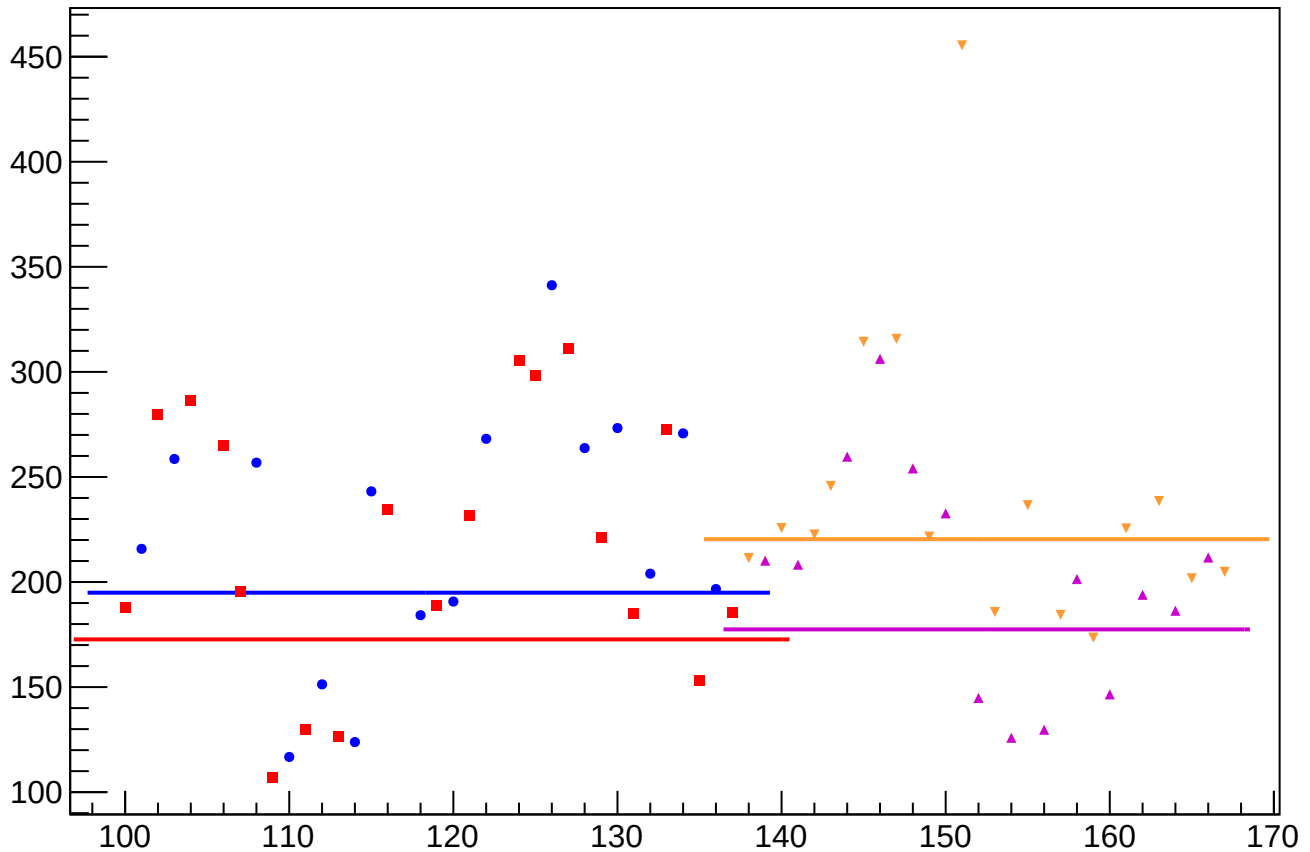
Left In: -130.924 ± 55.685 χ^2/NDF : 5.0/13

+ sign 71.545 ± 49.271 χ^2/NDF : 25.5/31

All: 15.158 ± 32.487 χ^2/NDF : 54.2/64

- sign -28.210 ± 43.211 χ^2/NDF : 26.4/32

asym_bcm_target_rms vs Slug



Right In: 194.923 $\pm$ 0.054 χ^2 /NDF: 1028901.2/15

Left Out: 220.401 $\pm$ 0.046 χ^2 /NDF:1002347.4/15

+ sign 209.857 $\pm$ 0.035 χ^2 /NDF: 2160972.8/31

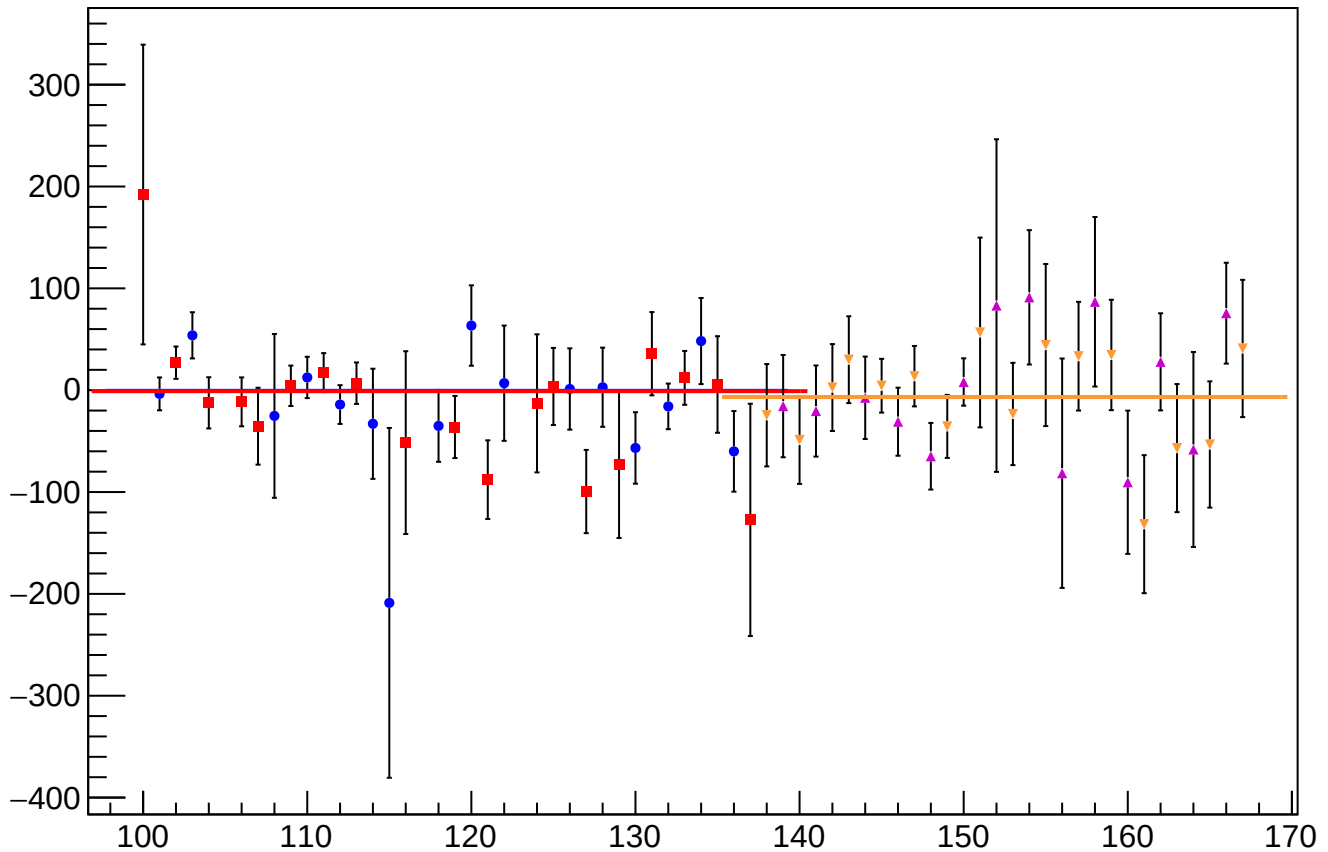
Right Out: 172.704 $\pm$ 0.048 χ^2 /NDF: 1631350.4/18

All: 190.477 $\pm$ 0.023 χ^2 /NDF: 5840539.5/64

Left In: 177.466 $\pm$ 0.039 χ^2 /NDF:1494976.9/13

- sign 175.571 $\pm$ 0.031 χ^2 /NDF: 3132145.9/32

asym_bcm_an_diff_mean vs Slug



Right In: -0.624 ± 7.340 χ^2/NDF : 18.9/15

Left Out: -6.691 ± 11.209 χ^2/NDF : 10.6/15

Right Out: -0.938 ± 6.767 χ^2/NDF : 23.1/18

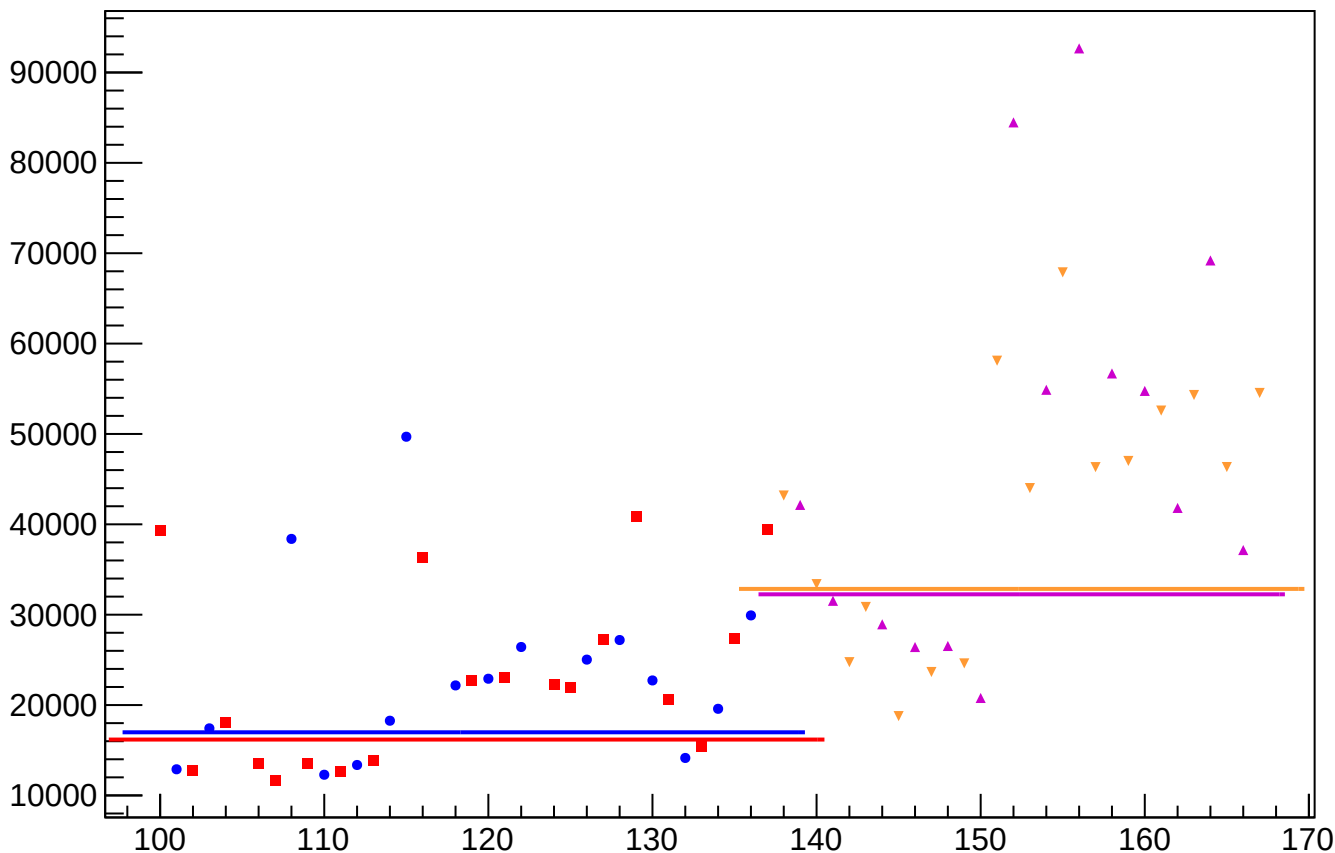
Left In: -6.681 ± 12.096 χ^2/NDF : 13.4/13

+ sign -2.445 ± 6.141 χ^2/NDF : 29.7/31

All: -2.373 ± 4.257 χ^2/NDF : 66.3/64

- sign -2.307 ± 5.906 χ^2/NDF : 36.6/32

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF : 1194096.1/15

Left Out: 32853.124+/-7.926 χ^2/NDF : 2664881.2/15

Right Out: 16181.928+/-4.785 χ^2/NDF : 1251495.8/18

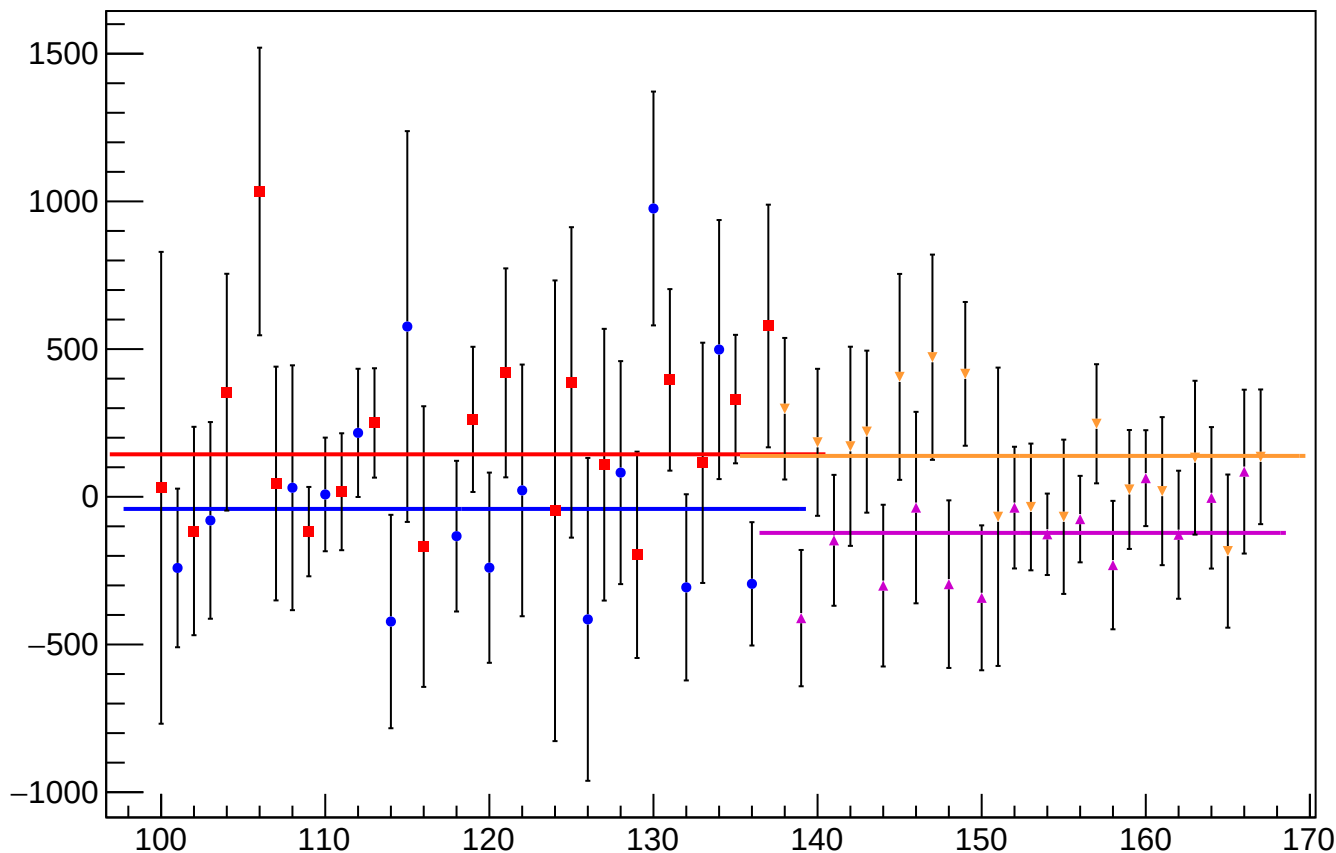
Left In: 32254.329+/-8.553 χ^2/NDF : 2490574.7/13

+ sign 21748.166+/-4.342 χ^2/NDF : 6663505.0/31

All: 20846.792+/-3.010 χ^2/NDF : 13177892.2

- sign 20013.134+/-4.176 χ^2/NDF : 6431442.7/32

asym_bcm_an_ds_mean vs Slug



Right In: -41.048 ± 76.156 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 138.447 ± 64.092 $\chi^2/\text{NDF}: 7.2/15$

Right Out: 143.821 ± 68.080 $\chi^2/\text{NDF}: 13.0/18$

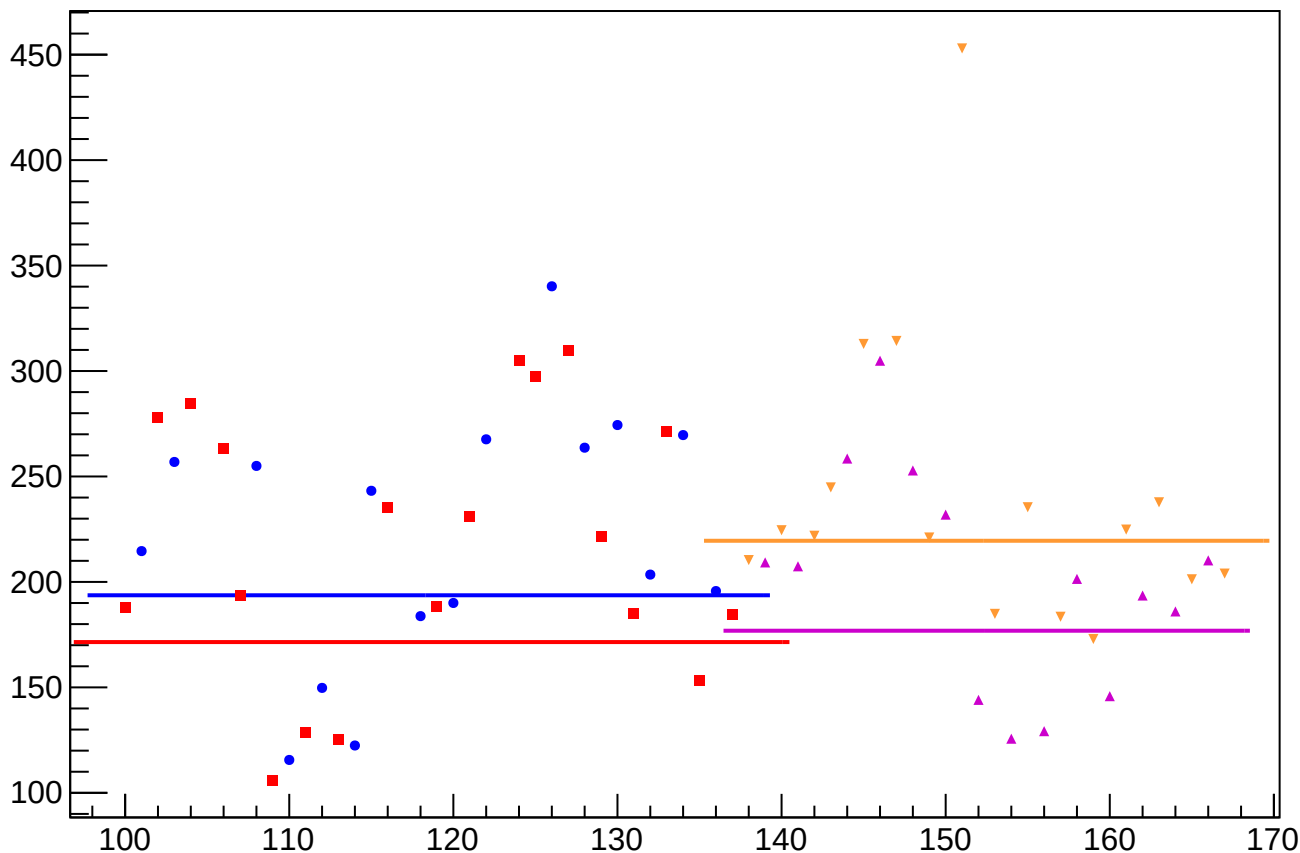
Left In: -122.205 ± 55.490 $\chi^2/\text{NDF}: 5.9/13$

+ sign 64.027 ± 49.037 $\chi^2/\text{NDF}: 25.9/31$

All: 18.787 ± 32.336 $\chi^2/\text{NDF}: 55.5/64$

- sign -16.019 ± 43.012 $\chi^2/\text{NDF}: 28.1/32$

asym_bcm_an_ds_rms vs Slug



Right In: 193.670 $\pm$ 0.054 χ^2 /NDF: 1049772.0/15

Left Out: 219.516 $\pm$ 0.045 χ^2 /NDF:1000888.6/15

Right Out: 171.484 $\pm$ 0.048 χ^2 /NDF: 1652989.7/18

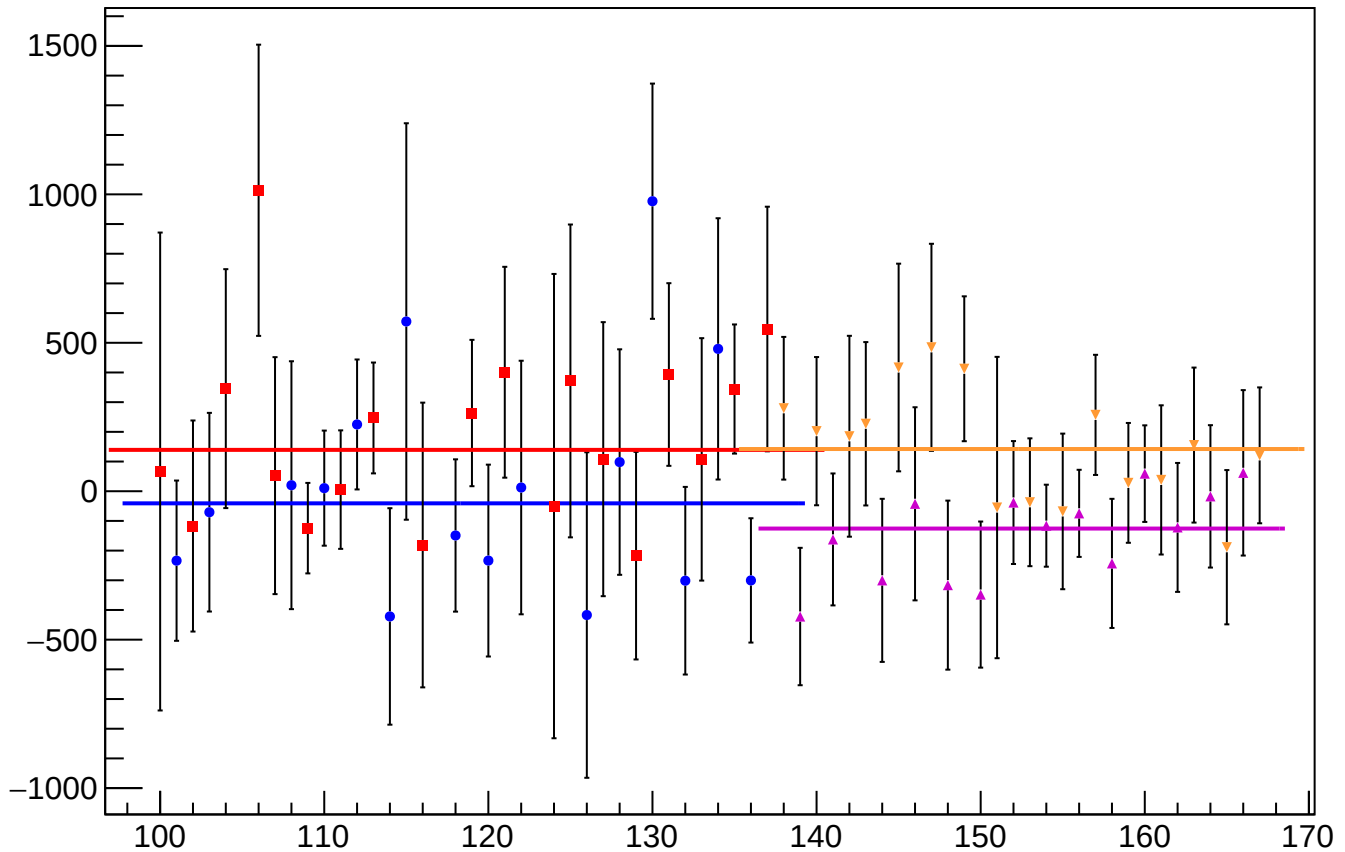
Left In: 176.864 $\pm$ 0.039 χ^2 /NDF:1492110.6/13

+ sign 208.800 $\pm$ 0.035 χ^2 /NDF: 2185505.5/31

All: 189.537 $\pm$ 0.023 χ^2 /NDF: 5884192.0/64

- sign 174.716 $\pm$ 0.030 χ^2 /NDF: 3152604.2/32

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798 ± 76.579 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 142.168 ± 64.297 $\chi^2/\text{NDF}: 7.2/15$

Right Out: 139.292 ± 68.459 $\chi^2/\text{NDF}: 12.9/18$

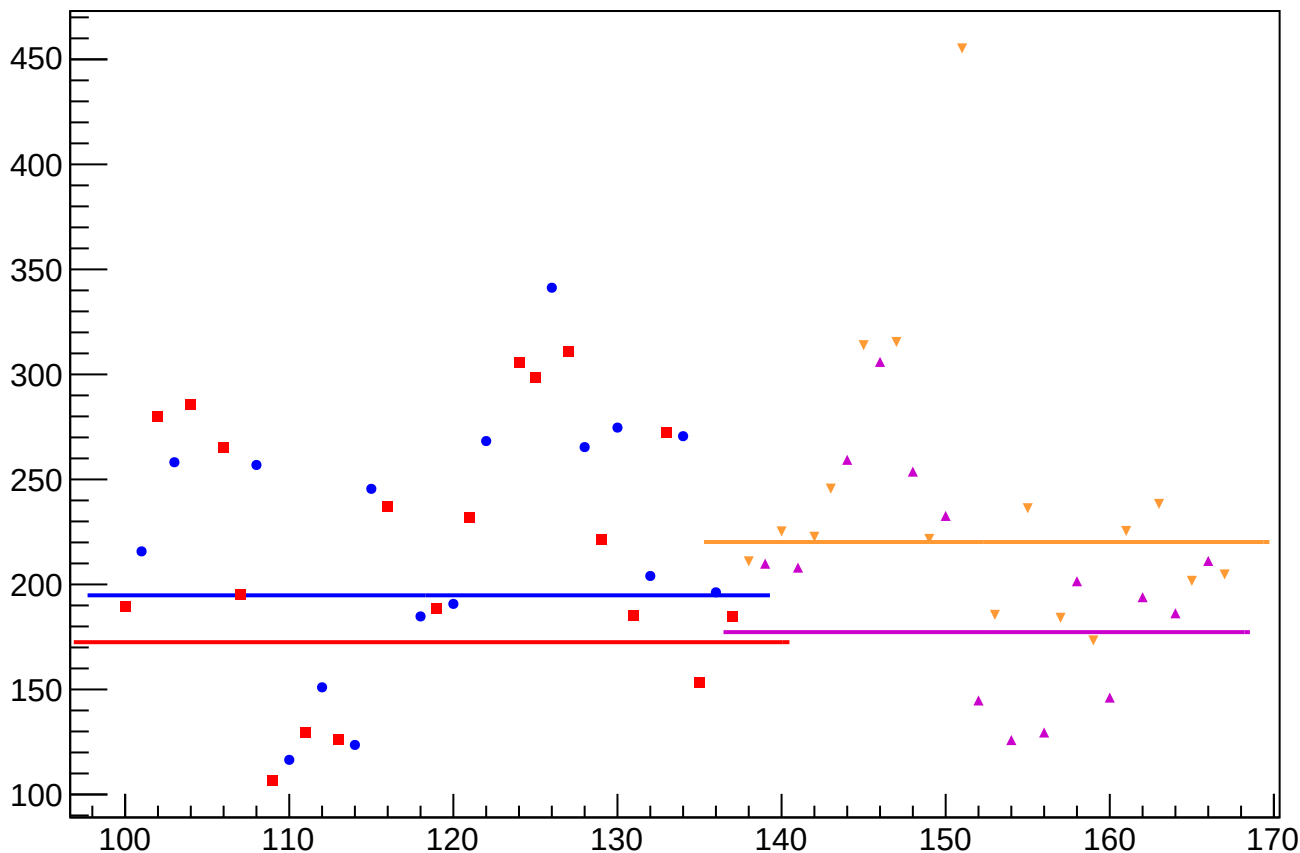
Left In: -125.752 ± 55.632 $\chi^2/\text{NDF}: 6.0/13$

+ sign 66.517 ± 49.242 $\chi^2/\text{NDF}: 26.0/31$

All: 17.412 ± 32.463 $\chi^2/\text{NDF}: 55.6/64$

- sign -20.338 ± 43.174 $\chi^2/\text{NDF}: 27.9/32$

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819 $\pm$ 0.054 χ^2 /NDF: 1039096.7/15

Left Out: 220.198 $\pm$ 0.045 χ^2 /NDF:1003129.8/15

Right Out: 172.507 $\pm$ 0.048 χ^2 /NDF: 1642059.1/18

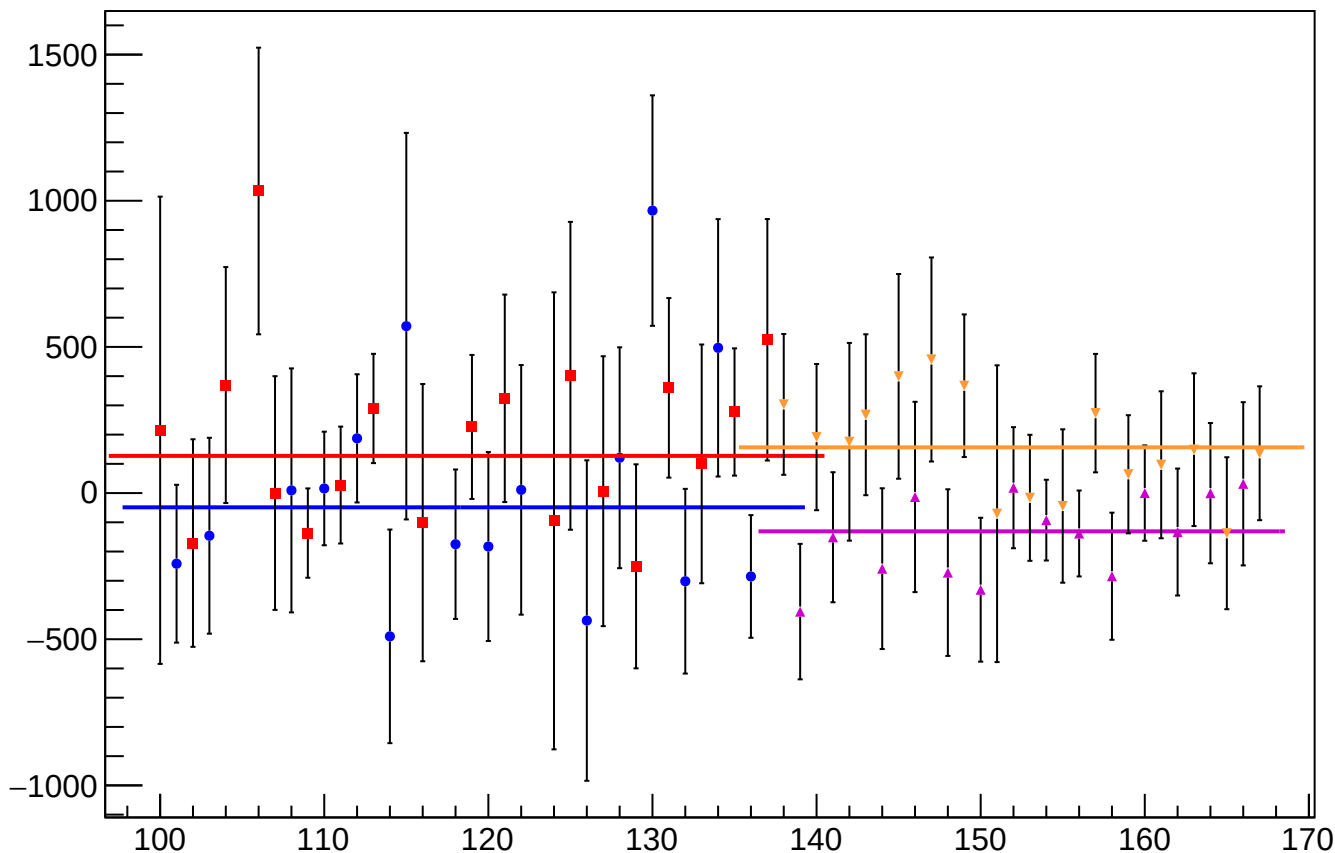
Left In: 177.295 $\pm$ 0.039 χ^2 /NDF:1495381.3/13

+ sign 209.705 $\pm$ 0.035 χ^2 /NDF: 2171062.5/31

All: 190.304 $\pm$ 0.023 χ^2 /NDF: 5863494.2/64

- sign 175.391 $\pm$ 0.031 χ^2 /NDF: 3143332.9/32

asym_bcm_an_us_mean vs Slug



Right In: -48.749 ± 76.592 χ^2/NDF : 15.4/15

Left Out: 156.470 ± 64.355 χ^2/NDF : 5.8/15

Right Out: 127.249 ± 68.506 χ^2/NDF : 12.9/18

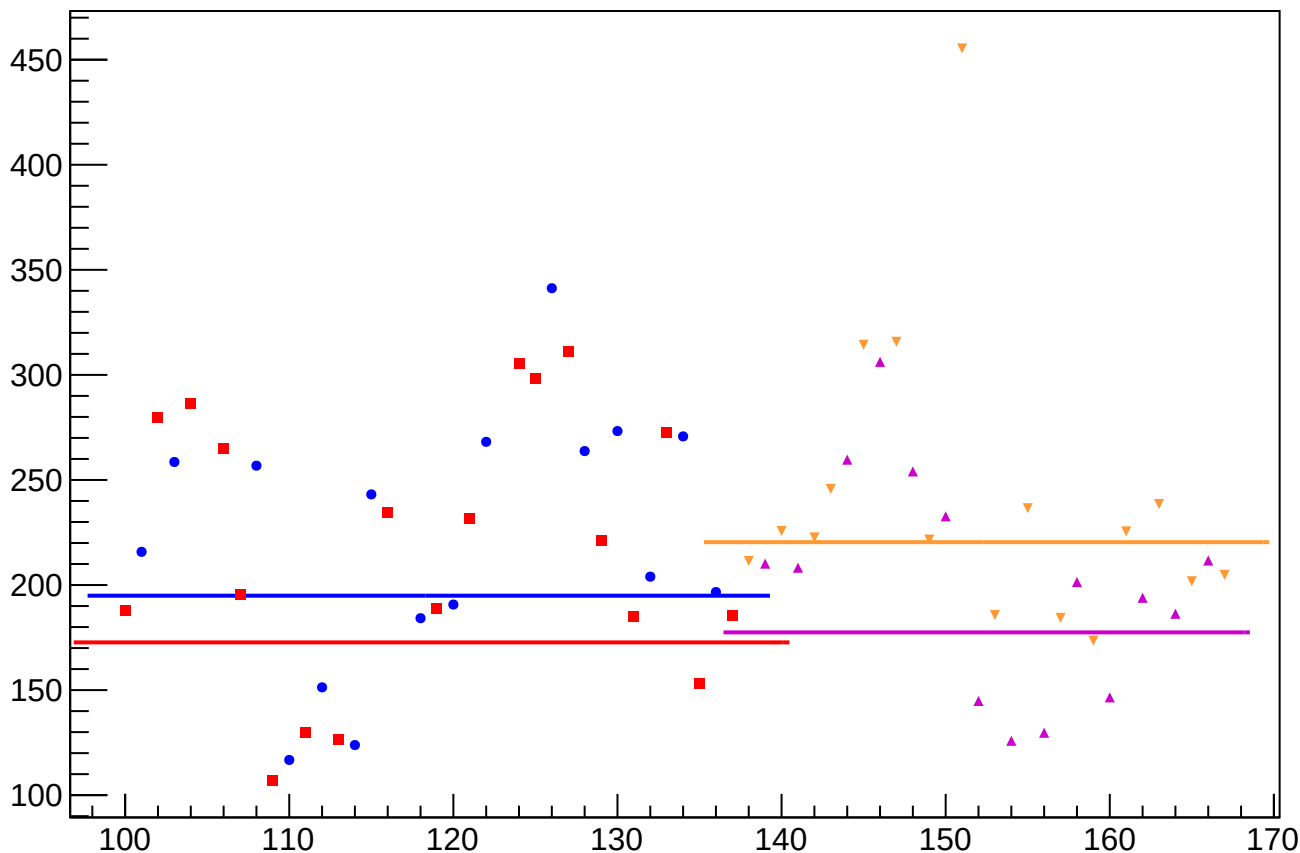
Left In: -130.924 ± 55.685 χ^2/NDF : 5.0/13

+ sign 71.545 ± 49.271 χ^2/NDF : 25.5/31

All: 15.158 ± 32.487 χ^2/NDF : 54.2/64

- sign -28.210 ± 43.211 χ^2/NDF : 26.4/32

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF : 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF :1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF : 1631350.4/18

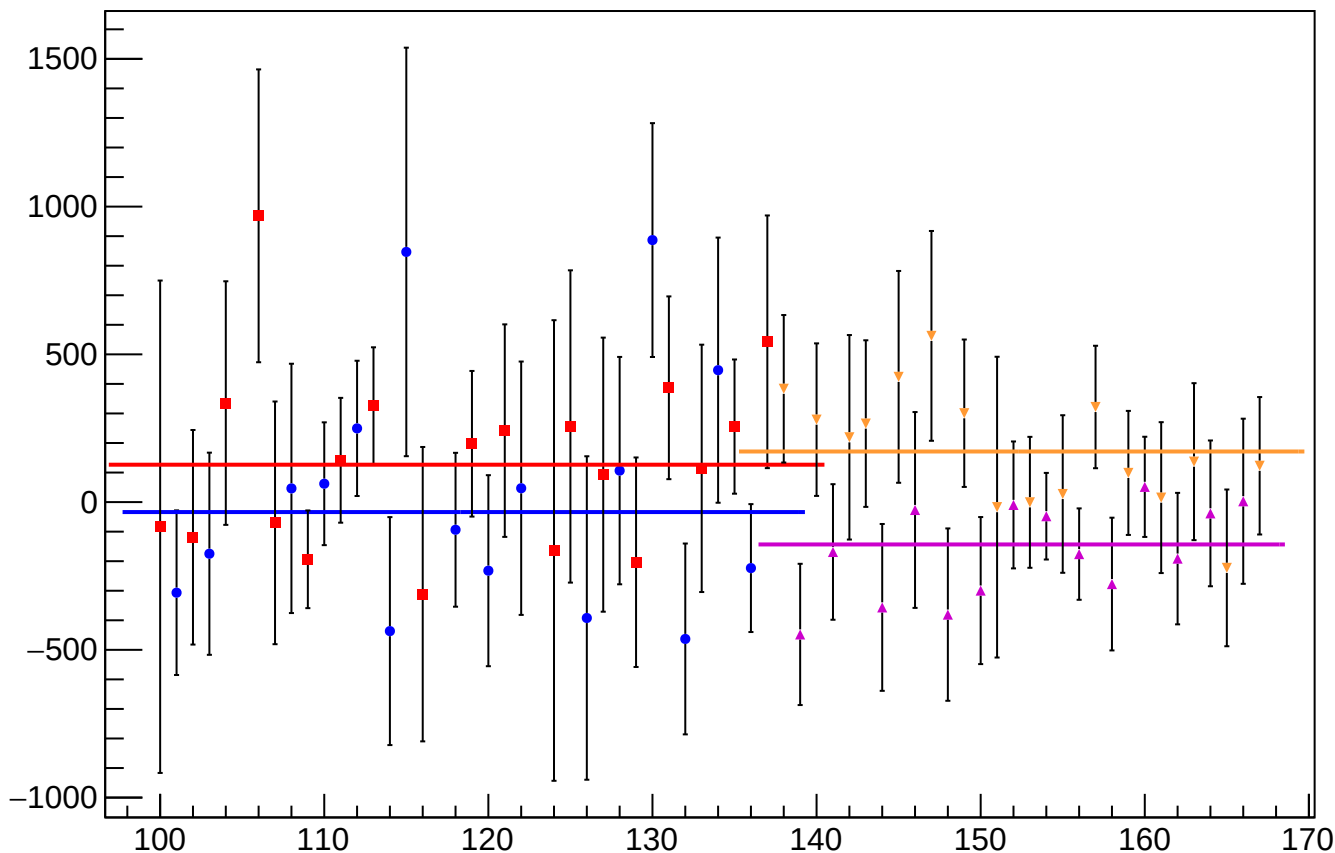
Left In: 177.466+/-0.039 χ^2/NDF :1494976.9/13

+ sign 209.857+/-0.035 χ^2/NDF : 2160972.8/31

All: 190.477+/-0.023 χ^2/NDF : 5840539.5/64

- sign 175.571+/-0.031 χ^2/NDF : 3132145.9/32

asym_bcm_dg_us_mean vs Slug



Right In: -33.731 ± 78.996 χ^2/NDF : 15.7/15

Left Out: 171.253 ± 65.897 χ^2/NDF : 7.3/15

Right Out: 126.563 ± 71.309 χ^2/NDF : 12.7/18

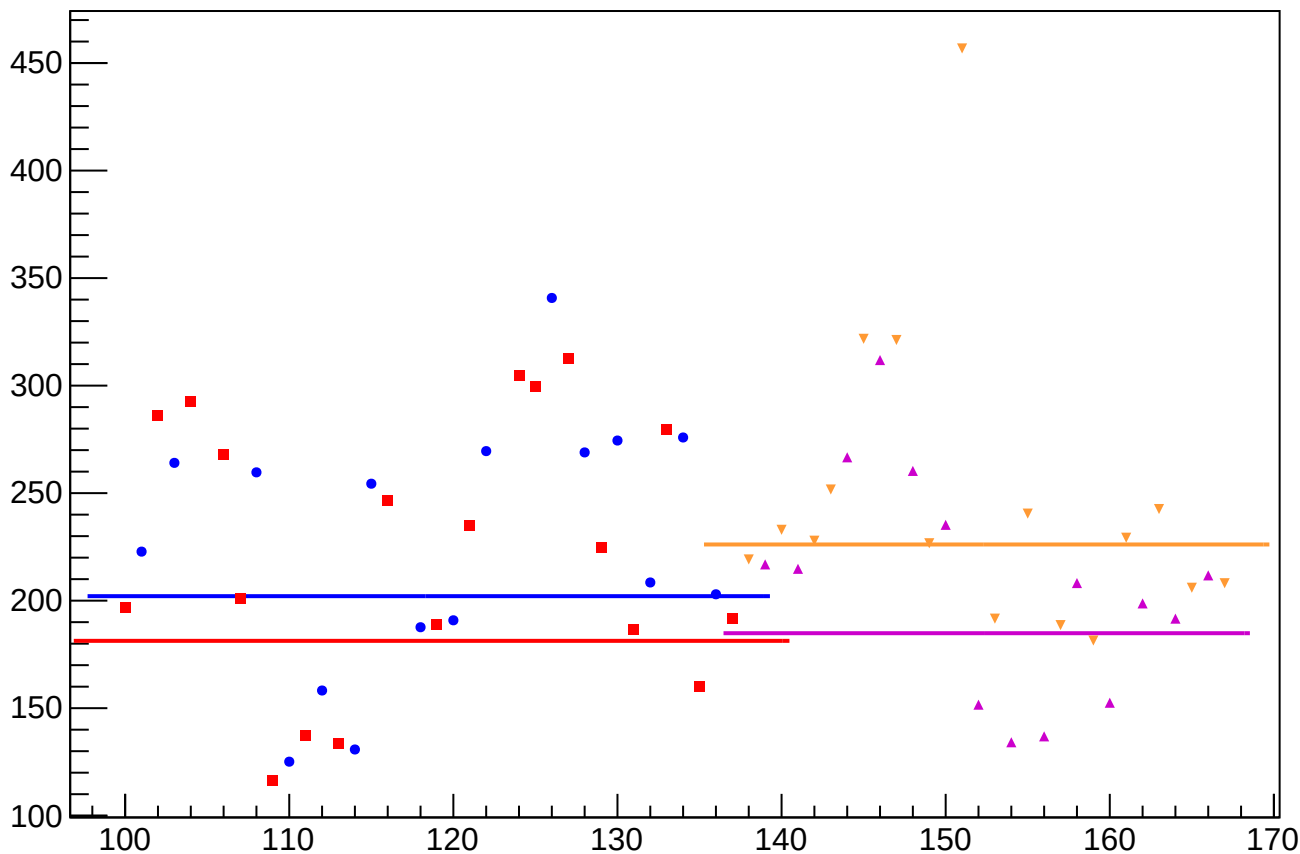
Left In: -143.310 ± 57.718 χ^2/NDF : 6.4/13

+ sign 87.142 ± 50.602 χ^2/NDF : 27.0/31

All: 17.921 ± 33.570 χ^2/NDF : 58.1/64

- sign -36.489 ± 44.863 χ^2/NDF : 27.8/32

asym_bcm_dg_us_rms vs Slug



Right In: 202.090 $\pm$ 0.056 χ^2 /NDF: 910259.2/15

Left Out: 226.128 $\pm$ 0.047 χ^2 /NDF: 957984.5/15

Right Out: 181.312 $\pm$ 0.050 χ^2 /NDF: 1440989.4/18

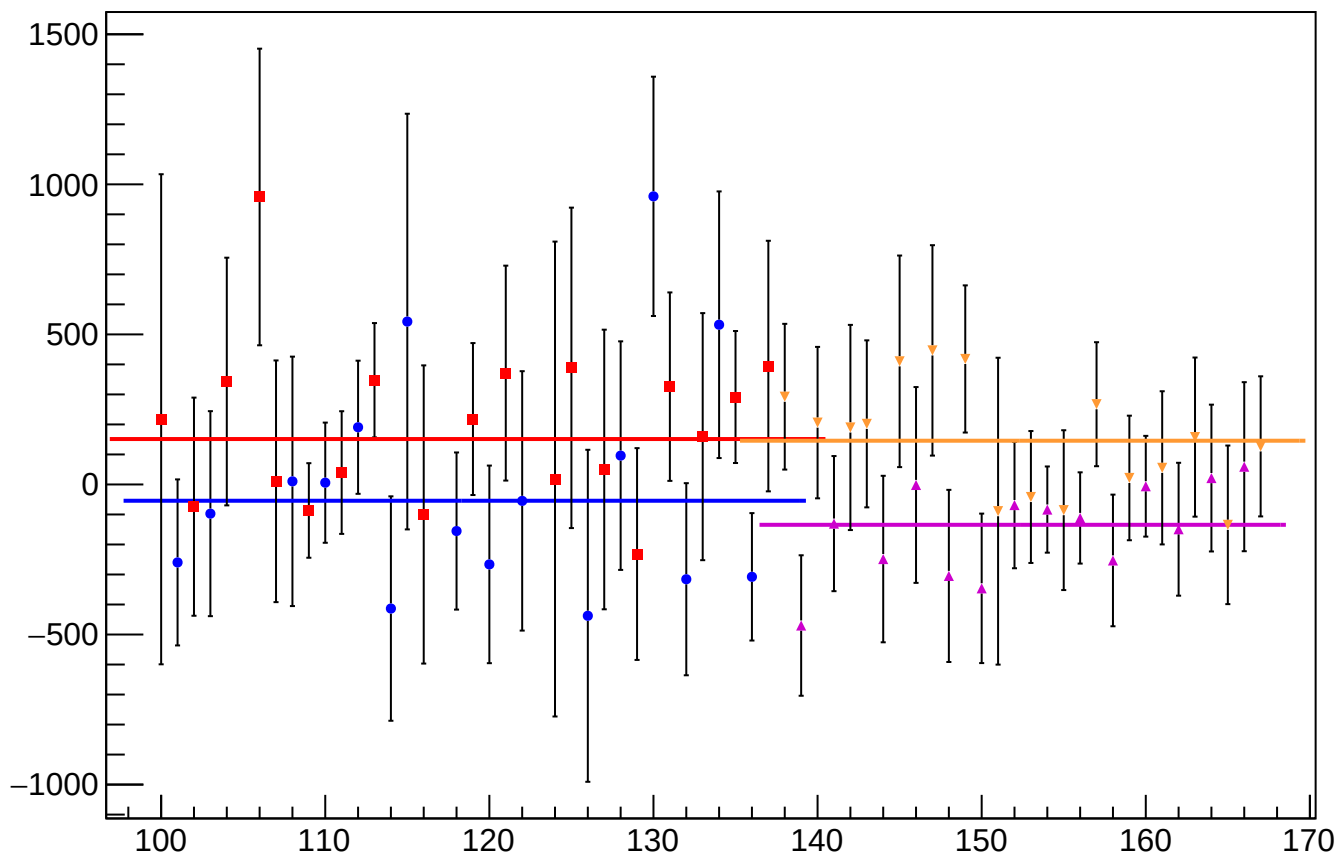
Left In: 184.866 $\pm$ 0.041 χ^2 /NDF: 1349534.5/13

+ sign 216.264 $\pm$ 0.036 χ^2 /NDF: 1977443.0/31

All: 197.897 $\pm$ 0.024 χ^2 /NDF: 5241595.0/64

- sign 183.459 $\pm$ 0.032 χ^2 /NDF: 2793525.4/32

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254 ± 77.946 $\chi^2/\text{NDF}: 15.1/15$

Left Out: 145.748 ± 65.300 $\chi^2/\text{NDF}: 6.7/15$

Right Out: 151.358 ± 69.902 $\chi^2/\text{NDF}: 10.2/18$

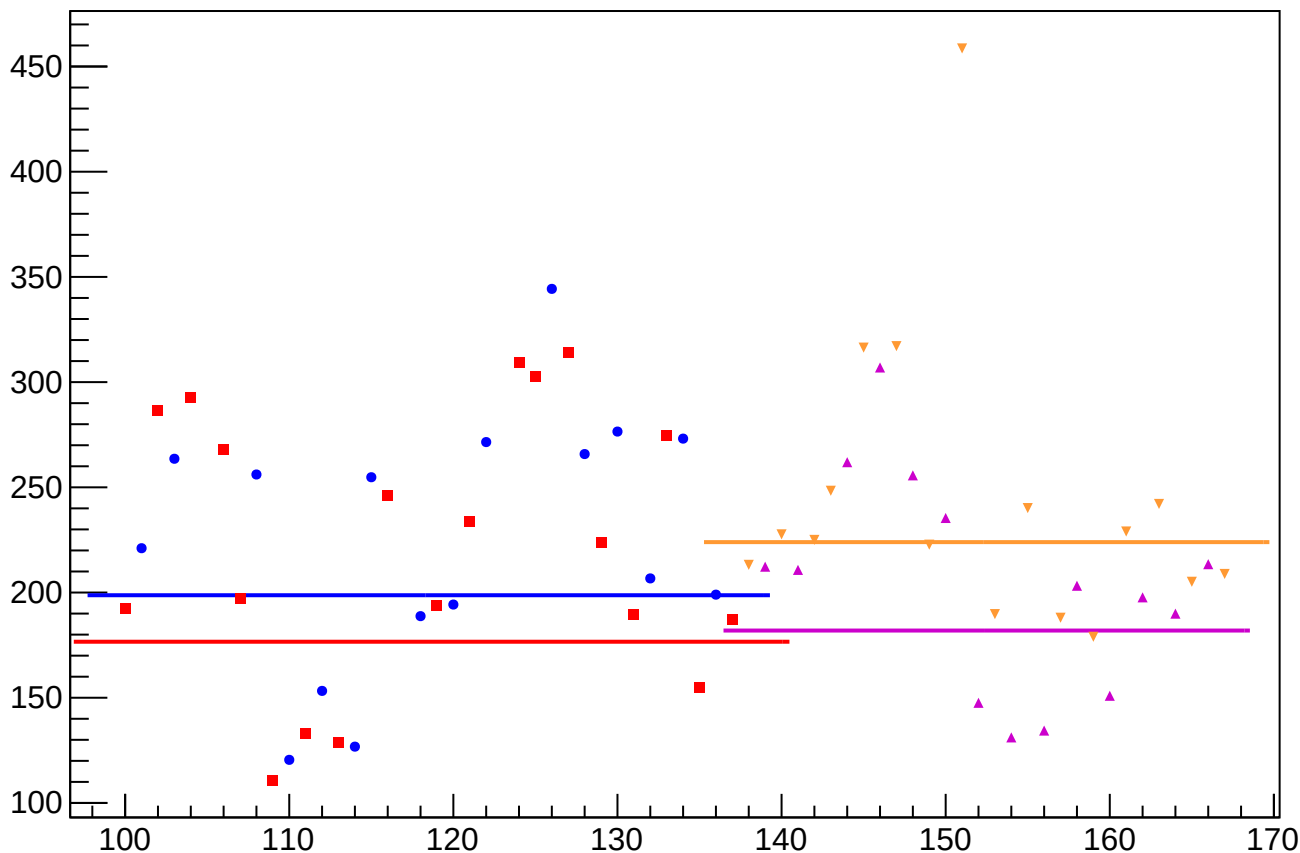
Left In: -134.426 ± 56.890 $\chi^2/\text{NDF}: 5.5/13$

+ sign 63.267 ± 50.056 $\chi^2/\text{NDF}: 25.6/31$

All: 16.096 ± 33.100 $\chi^2/\text{NDF}: 53.0/64$

- sign -20.557 ± 44.124 $\chi^2/\text{NDF}: 25.8/32$

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718 $\pm$ 0.055 χ^2 /NDF: 994068.9/15

Left Out: 223.960 $\pm$ 0.046 χ^2 /NDF: 958888.3/15

Right Out: 176.621 $\pm$ 0.049 χ^2 /NDF: 1595710.1/18

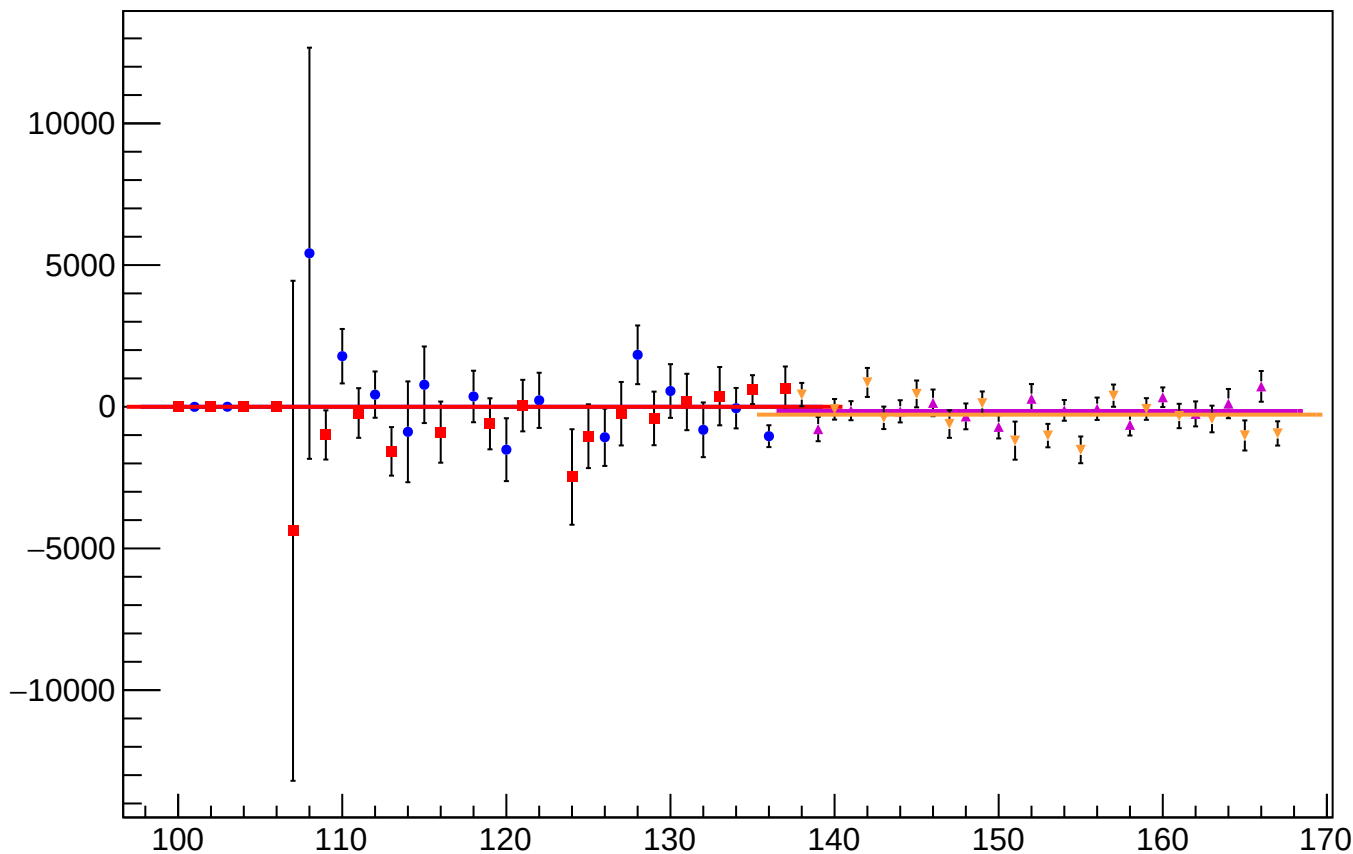
Left In: 181.936 $\pm$ 0.040 χ^2 /NDF: 1374551.5/13

+ sign 213.550 $\pm$ 0.035 χ^2 /NDF: 2076195.1/31

All: 194.568 $\pm$ 0.023 χ^2 /NDF: 5564505.5/64

- sign 179.819 $\pm$ 0.031 χ^2 /NDF: 2977217.0/32

asym_cav4bQ_mean vs Slug



Right In: -1.239 $\pm$ 2.171 χ^2/NDF : 19.9/15

Left Out: -278.155 $\pm$ 109.855 χ^2/NDF : 31.6/15

Right Out: -1.377 $\pm$ 2.022 χ^2/NDF : 16.8/18

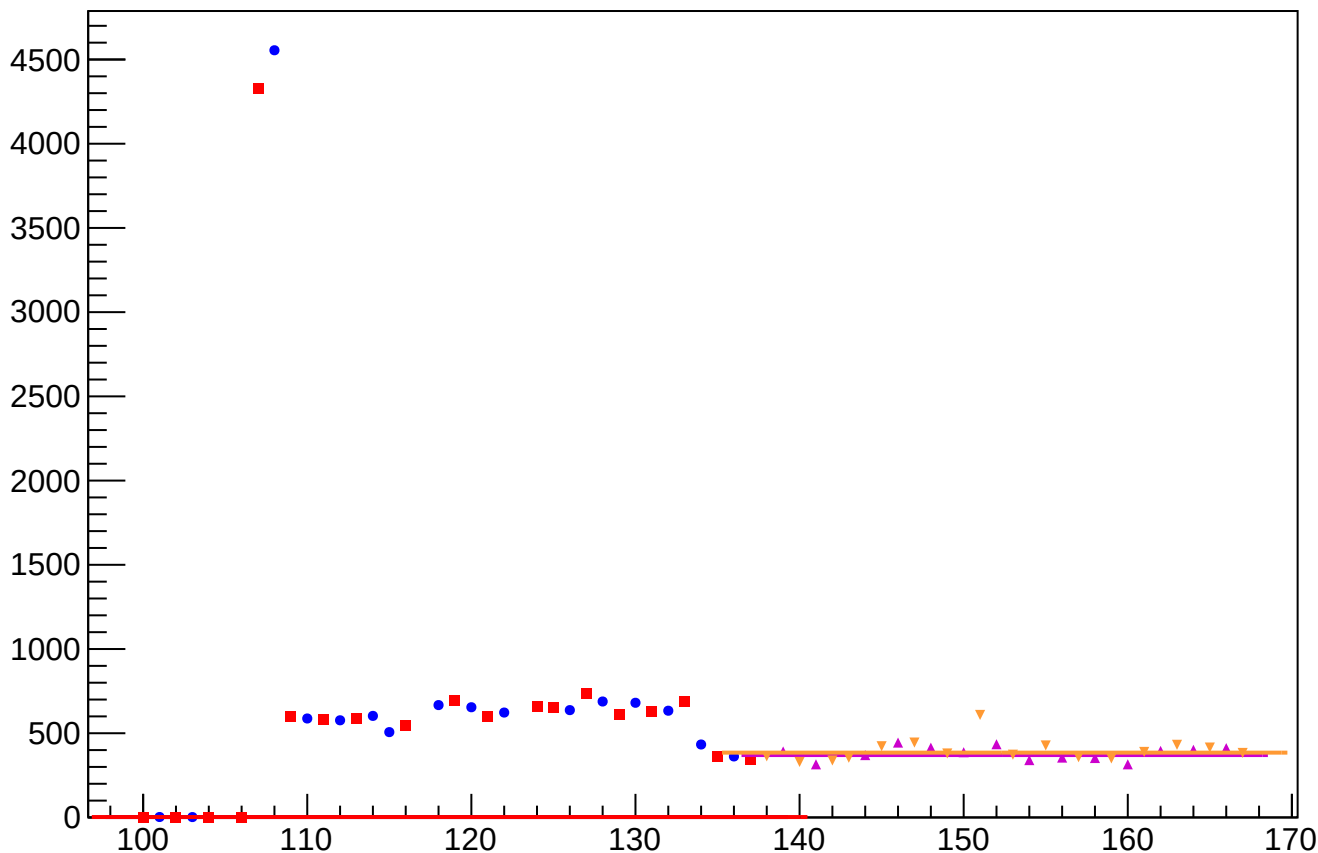
Left In: -150.477 $\pm$ 110.908 χ^2/NDF : 11.9/13

+ sign -1.347 $\pm$ 2.170 χ^2/NDF : 57.9/31

All: -1.390 $\pm$ 1.479 χ^2/NDF : 88.4/64

- sign -1.427 $\pm$ 2.022 χ^2/NDF : 30.5/32

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF : 11626192.3/15

Left Out: 384.853+/-0.078 χ^2/NDF : 415172.6/15

Right Out: 2.462+/-0.001 χ^2/NDF : 11545445.6/18

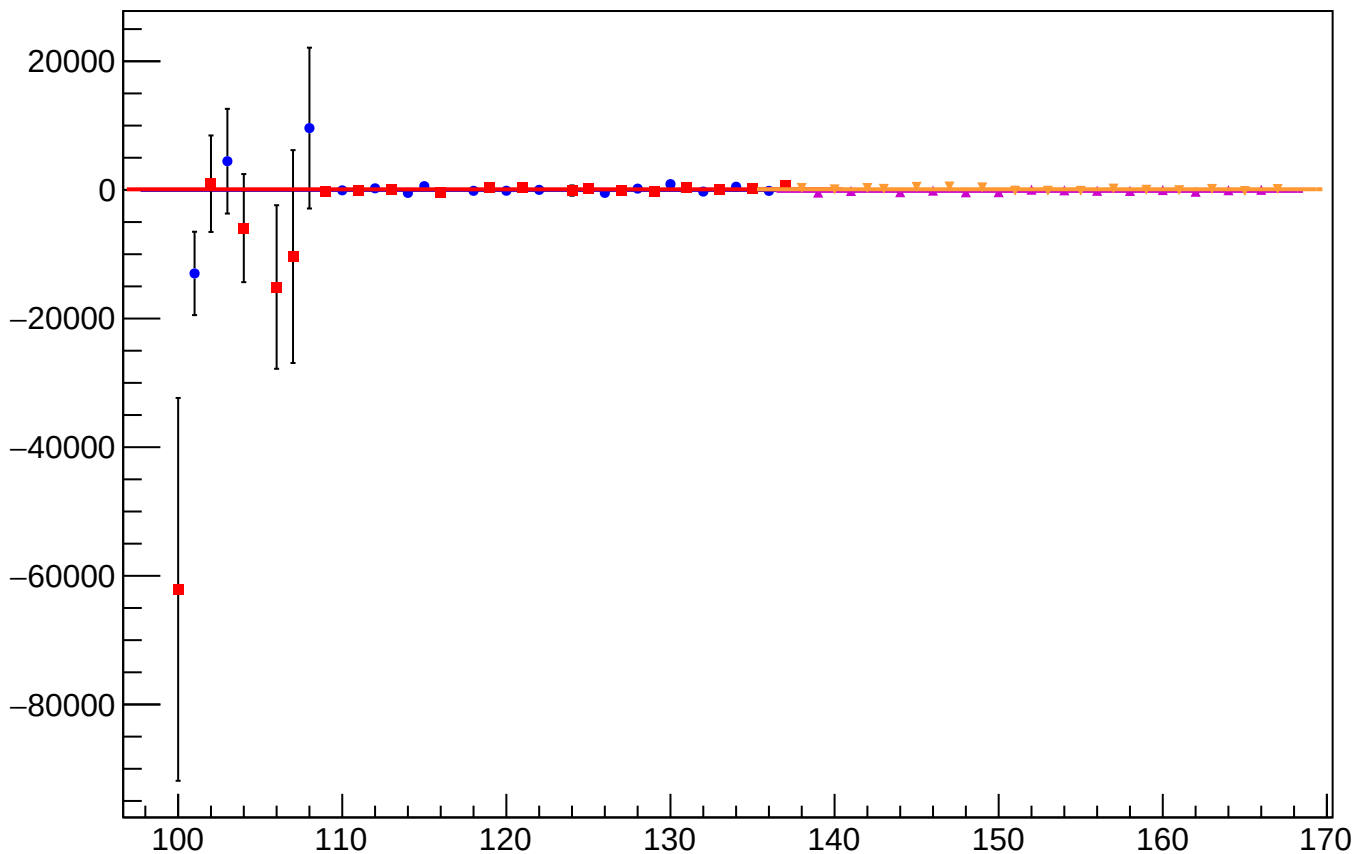
Left In: 370.483+/-0.078 χ^2/NDF : 256299.1/13

+ sign 2.626+/-0.002 χ^2/NDF : 36262775.2/31

All: 2.604+/-0.001 χ^2/NDF : 70079015.9/64

- sign 2.585+/-0.001 χ^2/NDF : 33815850.1/32

asym_cav4cQ_mean vs Slug



Right In: 0.575 ± 87.823 χ^2/NDF : 16.8/15

Left Out: 101.660 ± 67.974 χ^2/NDF : 8.3/15

Right Out: 88.089 ± 81.605 χ^2/NDF : 14.9/18

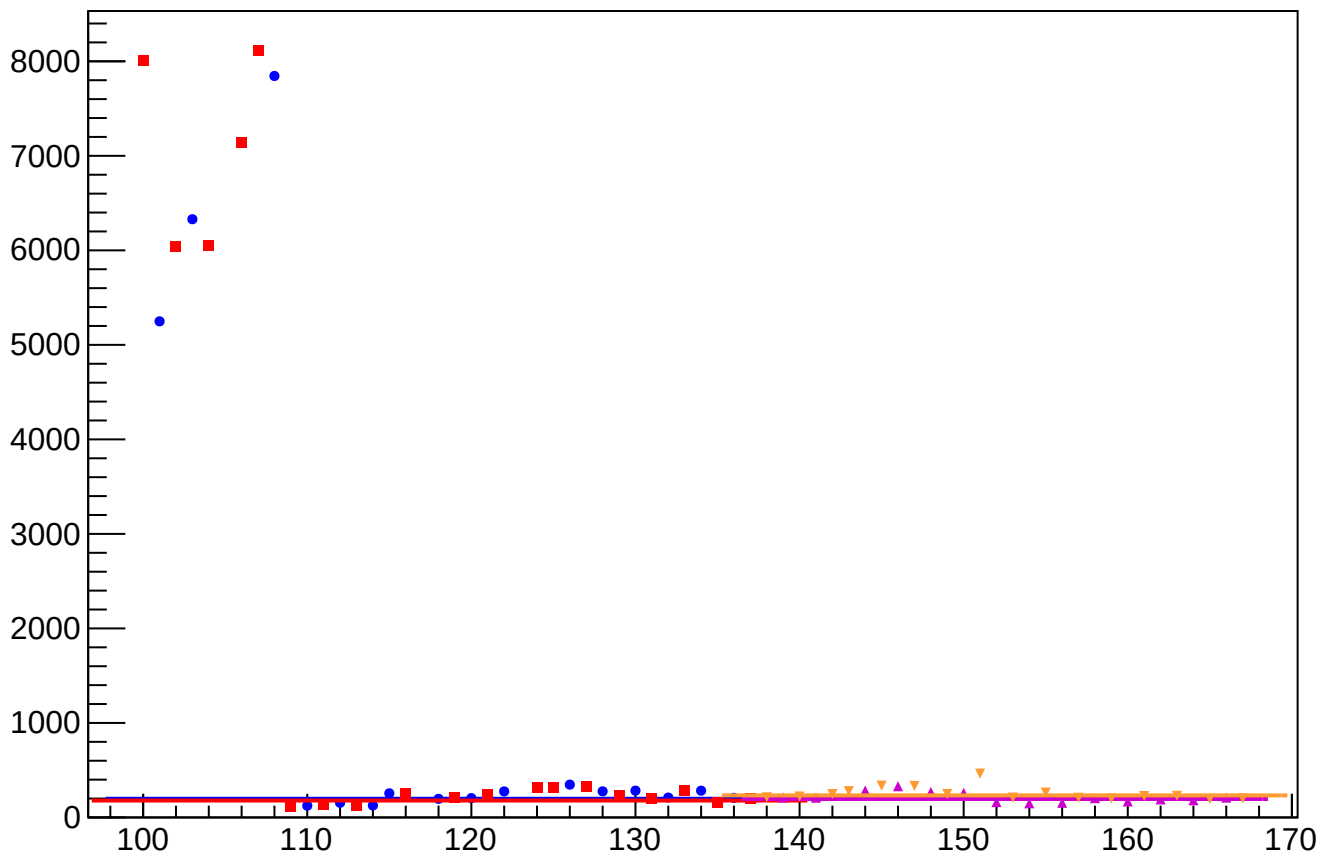
Left In: -151.391 ± 60.540 χ^2/NDF : 5.2/13

+ sign 63.791 ± 53.754 χ^2/NDF : 25.9/31

All: -7.803 ± 36.059 χ^2/NDF : 54.8/64

- sign -66.377 ± 48.621 χ^2/NDF : 25.7/32

asym_cav4cQ_rms vs Slug



Right In: 197.620 $\pm$ 0.062 χ^2 /NDF: 3957192.6/15

Left Out: 233.544 $\pm$ 0.048 χ^2 /NDF: 956922.6/15

Right Out: 179.250 $\pm$ 0.058 χ^2 /NDF: 4418422.9/18

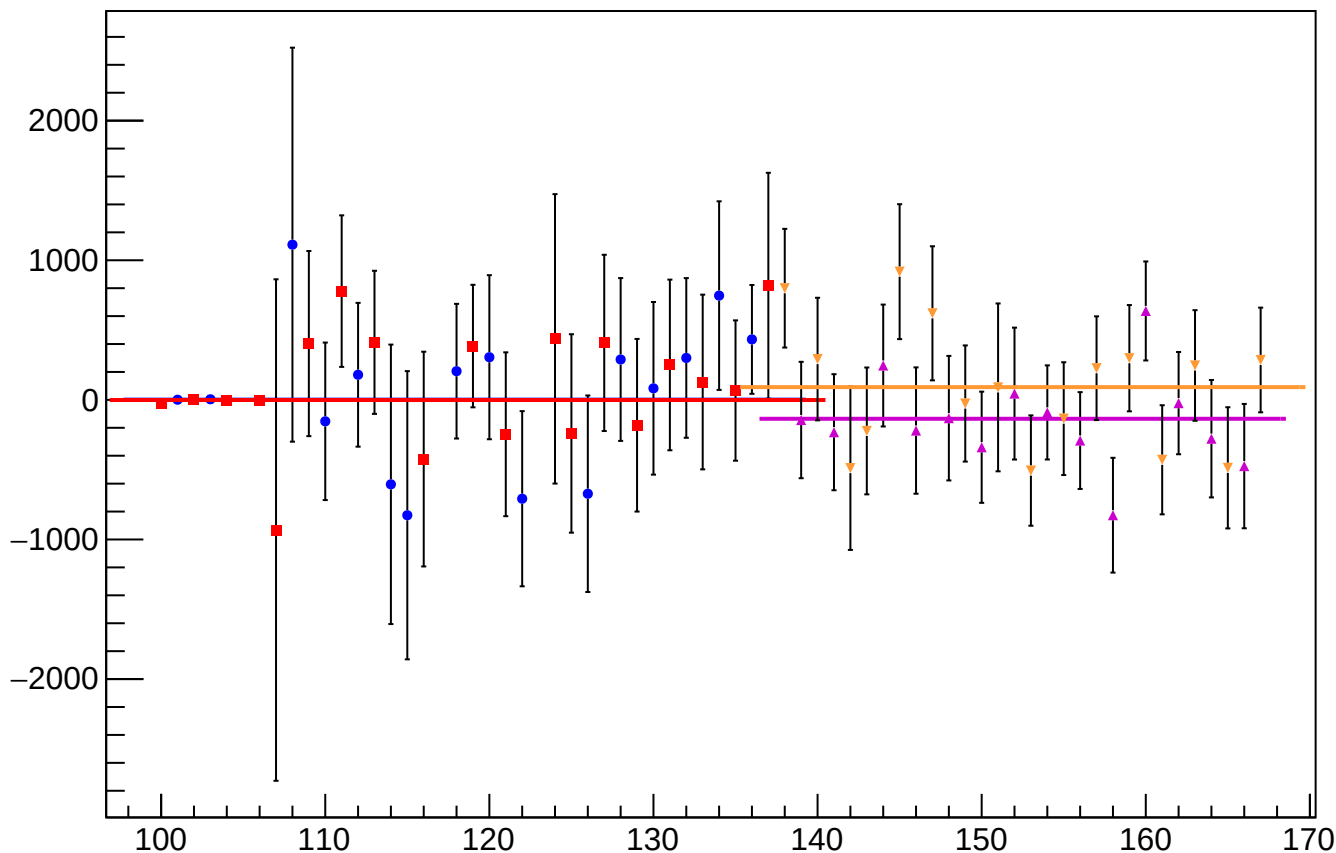
Left In: 195.365 $\pm$ 0.043 χ^2 /NDF: 1076469.2/13

+ sign 220.085 $\pm$ 0.038 χ^2 /NDF: 5123393.7/31

All: 203.342 $\pm$ 0.025 χ^2 /NDF: 11021377.4/64

- sign 189.644 $\pm$ 0.034 χ^2 /NDF: 5545198.4/32

asym_cav4dQ_mean vs Slug



Right In: 1.456 ± 1.660 χ^2/NDF : 7.9/15

Left Out: 91.351 ± 106.806 χ^2/NDF : 15.7/15

Right Out: -1.094 ± 1.528 χ^2/NDF : 9.2/18

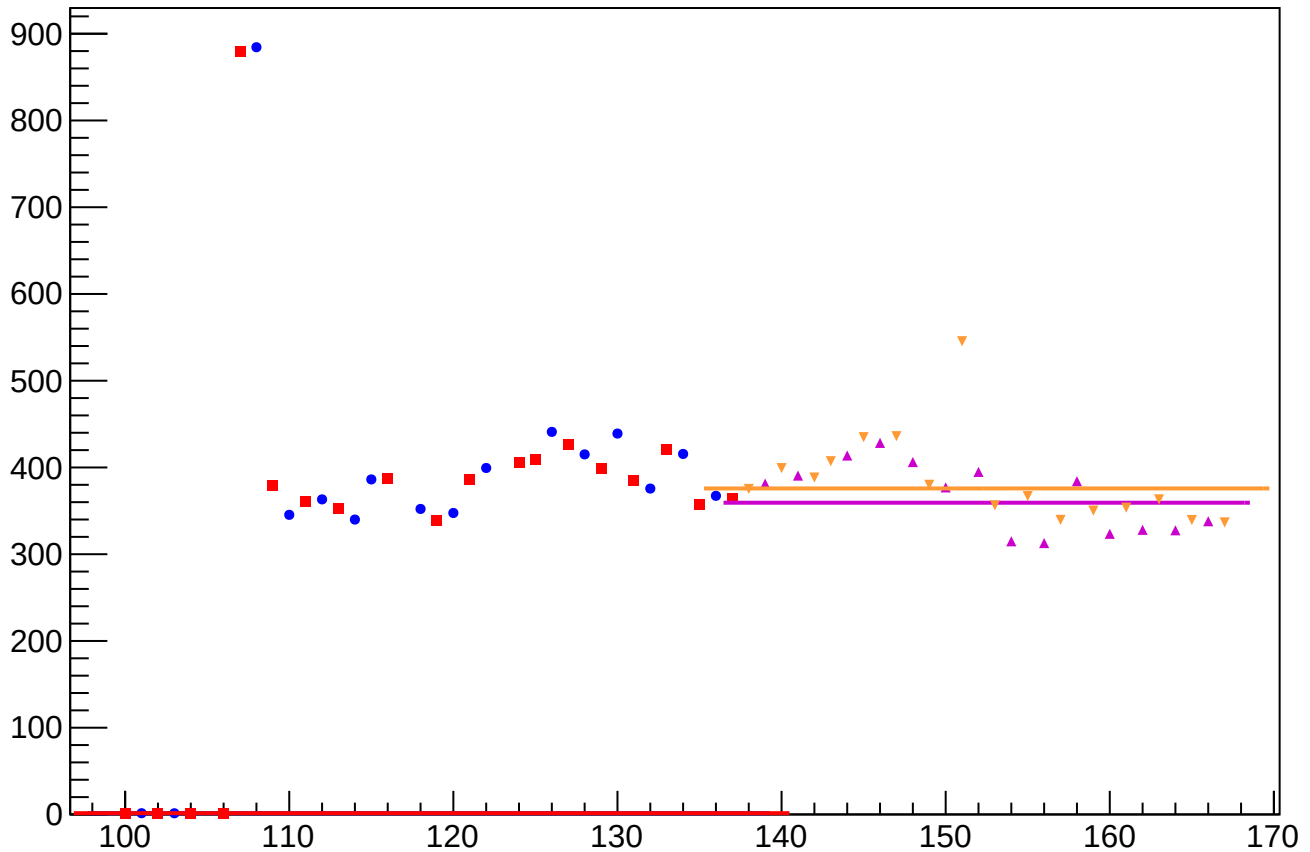
Left In: -135.398 ± 107.438 χ^2/NDF : 9.8/13

+ sign 1.477 ± 1.660 χ^2/NDF : 24.3/31

All: 0.071 ± 1.124 χ^2/NDF : 46.1/64

- sign -1.121 ± 1.528 χ^2/NDF : 20.6/32

asym_cav4dQ_rms vs Slug



Right In: 1.470 $\pm$ 0.001 χ^2 /NDF: 11735334.0/15

Left Out: 375.826 $\pm$ 0.076 χ^2 /NDF:315227.0/15

Right Out: 1.467 $\pm$ 0.001 χ^2 /NDF: 11270430.6/18

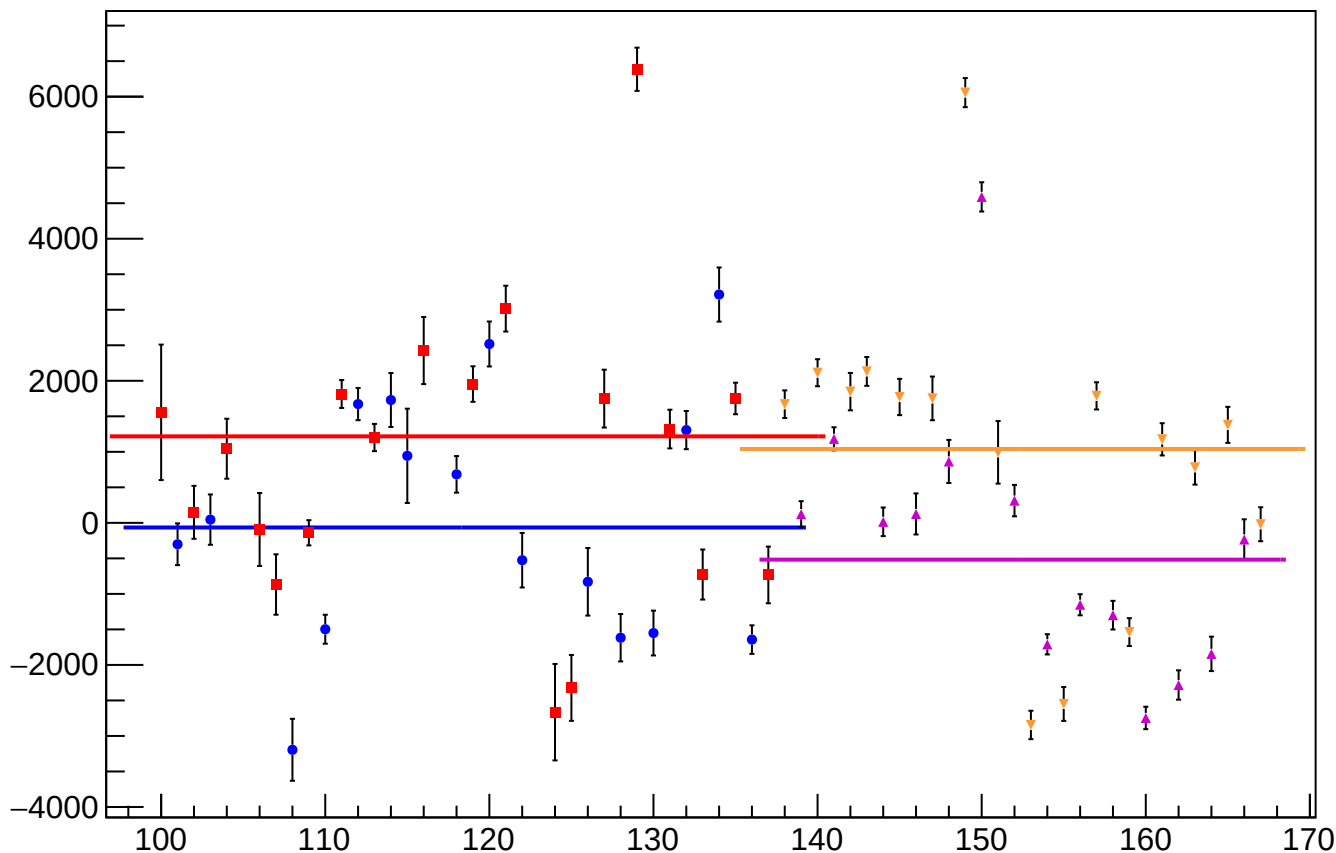
Left In: 359.361 $\pm$ 0.076 χ^2 /NDF:260808.6/13

+ sign 1.561 $\pm$ 0.001 χ^2 /NDF: 36615018.0/31

All: 1.549 $\pm$ 0.001 χ^2 /NDF: 70335263.8/64

- sign 1.539 $\pm$ 0.001 χ^2 /NDF: 33720070.9/32

asym_bcm0l02_mean vs Slug



Right In: -64.993 ± 74.895 χ^2/NDF : 469.5/15

Left Out: 1040.282 ± 56.544 χ^2/NDF : 1507.2/15

Right Out: 1217.846 ± 69.022 χ^2/NDF : 594.6/18

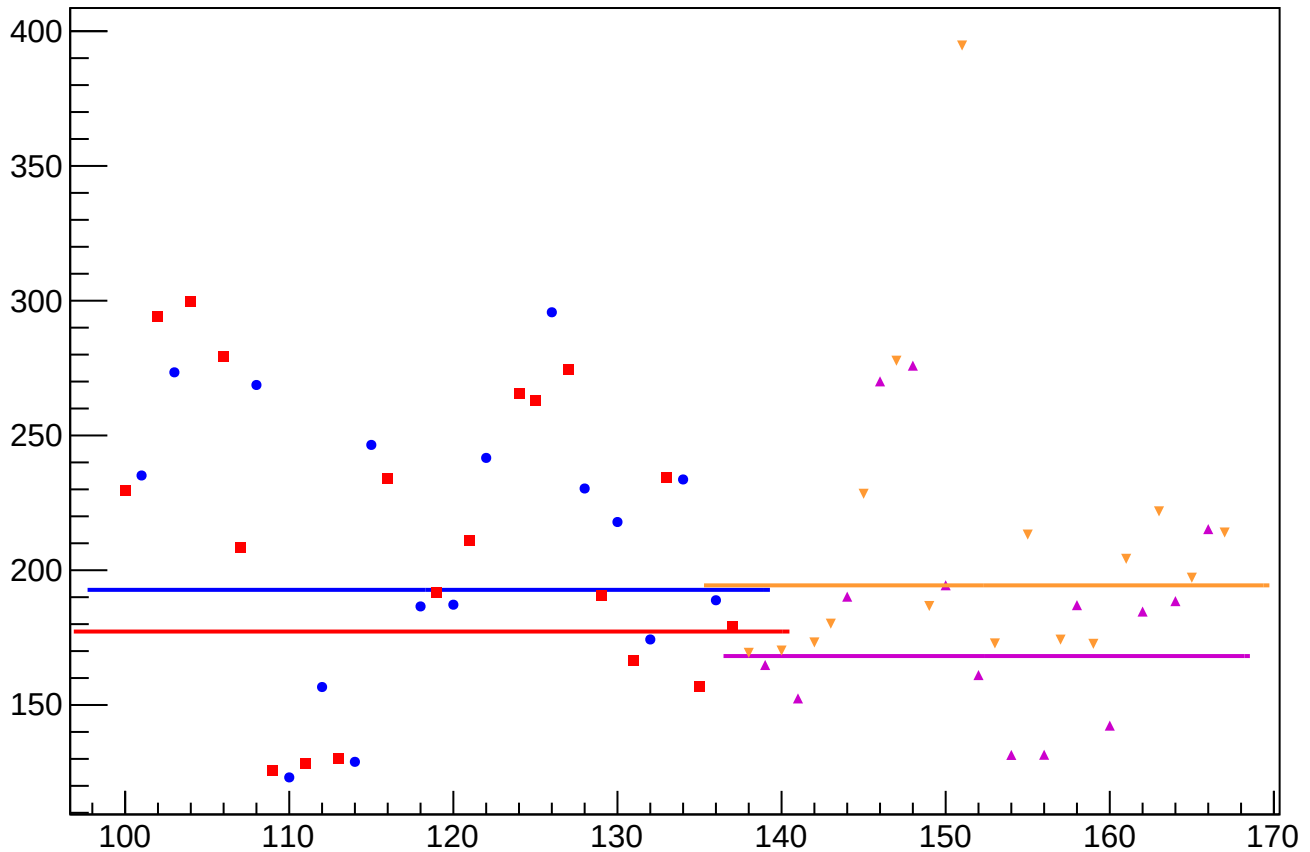
Left In: -517.691 ± 51.871 χ^2/NDF : 1189.9/13

+ sign 639.012 ± 45.127 χ^2/NDF : 2115.4/31

All: 351.486 ± 30.533 χ^2/NDF : 4378.8/64

- sign 108.712 ± 41.467 χ^2/NDF : 2188.5/32

asym_bcm0l02_rms vs Slug



Right In: 192.719 $\pm$ 0.053 χ^2 /NDF: 759146.3/15

Left Out: 194.385 $\pm$ 0.040 χ^2 /NDF: 811992.8/15

Right Out: 177.251 $\pm$ 0.049 χ^2 /NDF: 1226180.2/18

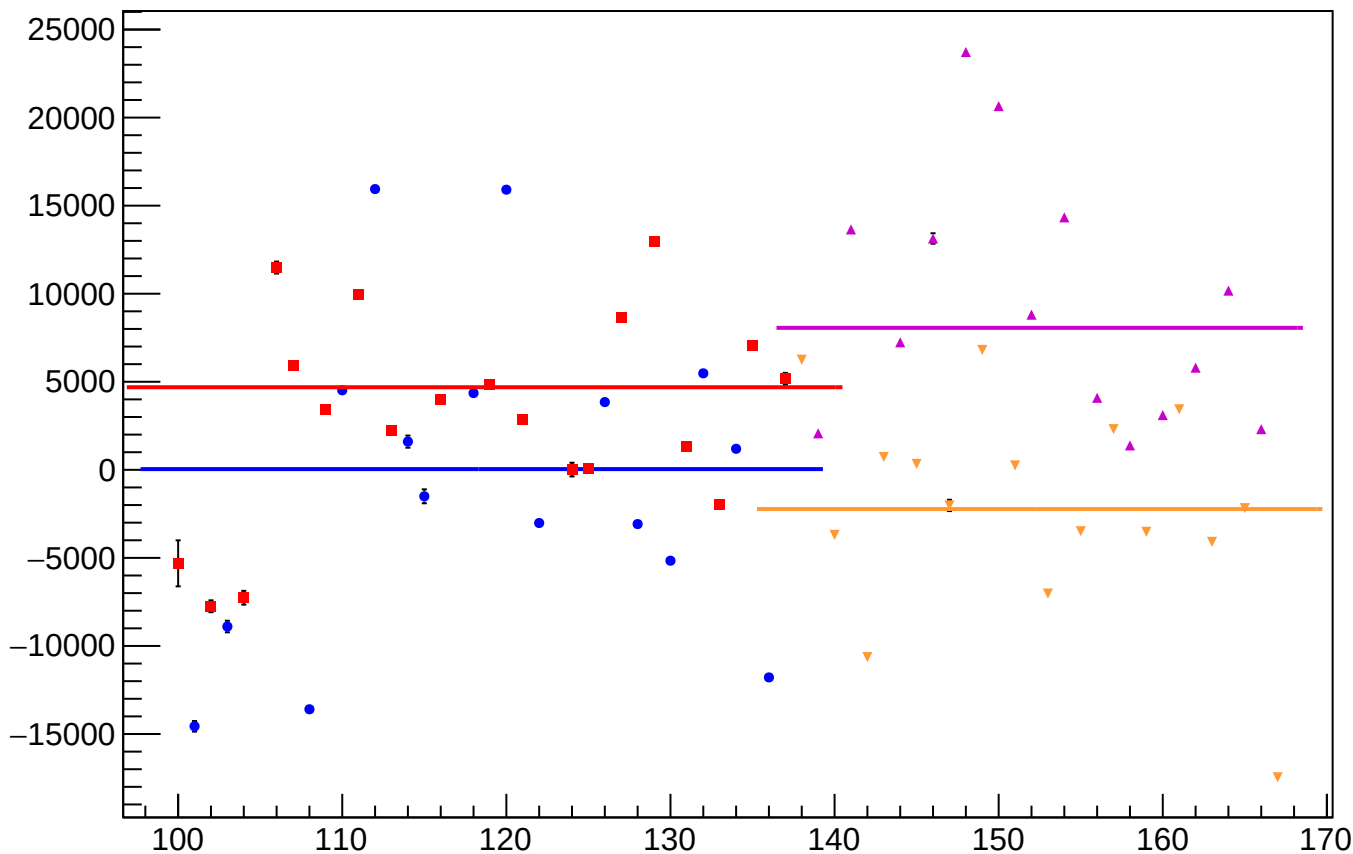
Left In: 168.157 $\pm$ 0.037 χ^2 /NDF: 986023.3/13

+ sign 193.780 $\pm$ 0.032 χ^2 /NDF: 1571769.6/31

All: 181.667 $\pm$ 0.022 χ^2 /NDF: 4071936.9/64

- sign 171.439 $\pm$ 0.029 χ^2 /NDF: 2234391.7/32

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF :13950.0/15

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

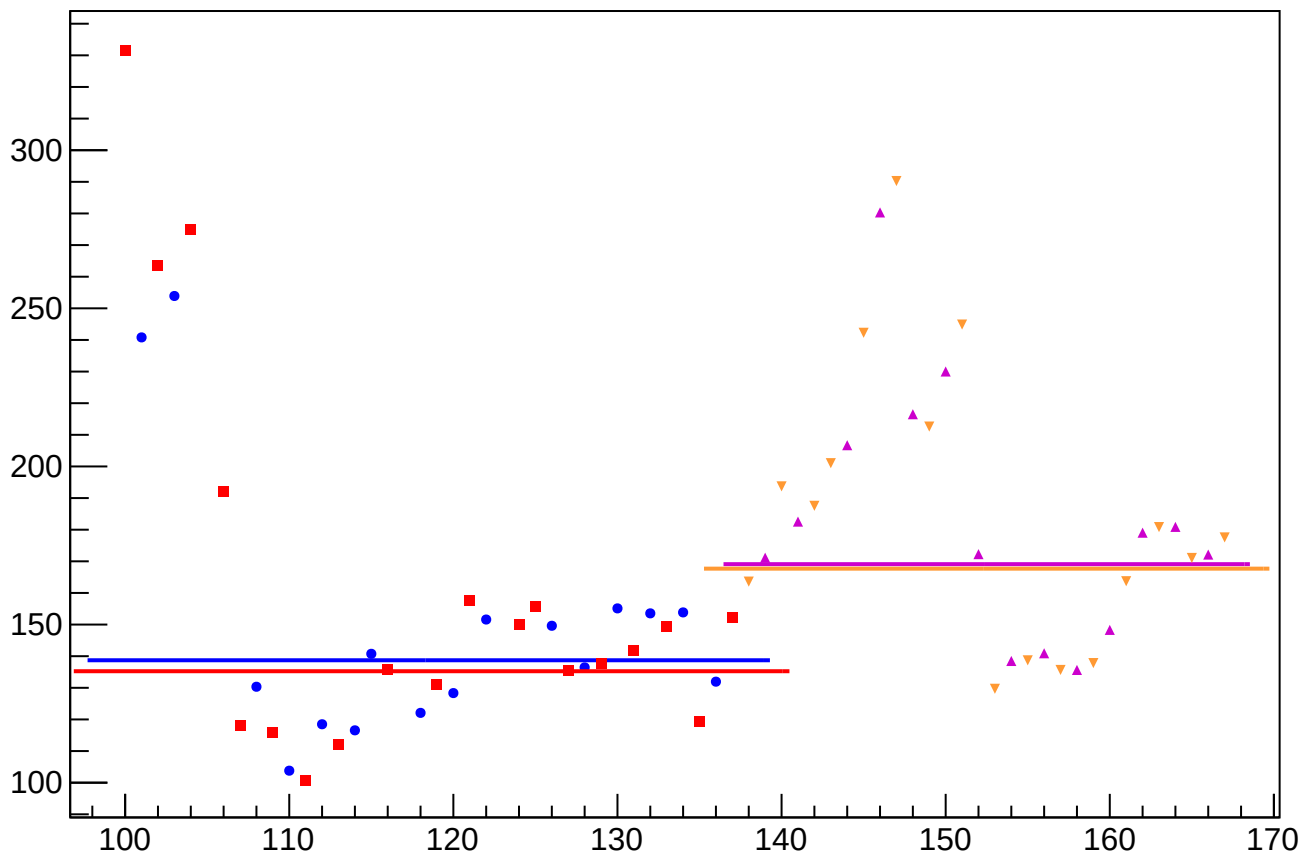
Left In: 8062.432+/-51.817 χ^2/NDF :15120.7/13

+ sign -1209.454+/-36.307 χ^2/NDF : 45701.8/31

All: 2543.047+/-25.824 χ^2/NDF : 92343.9/64

- sign 6385.092+/-36.738 χ^2/NDF : 25023.3/32

asym_bpm0i02WS_rms vs Slug



Right In: 138.712 $\pm$ 0.038 χ^2 /NDF: 657791.3/15

Left Out: 167.683 $\pm$ 0.035 χ^2 /NDF: 1142937.2/15

Right Out: 135.245 $\pm$ 0.037 χ^2 /NDF: 890024.8/18

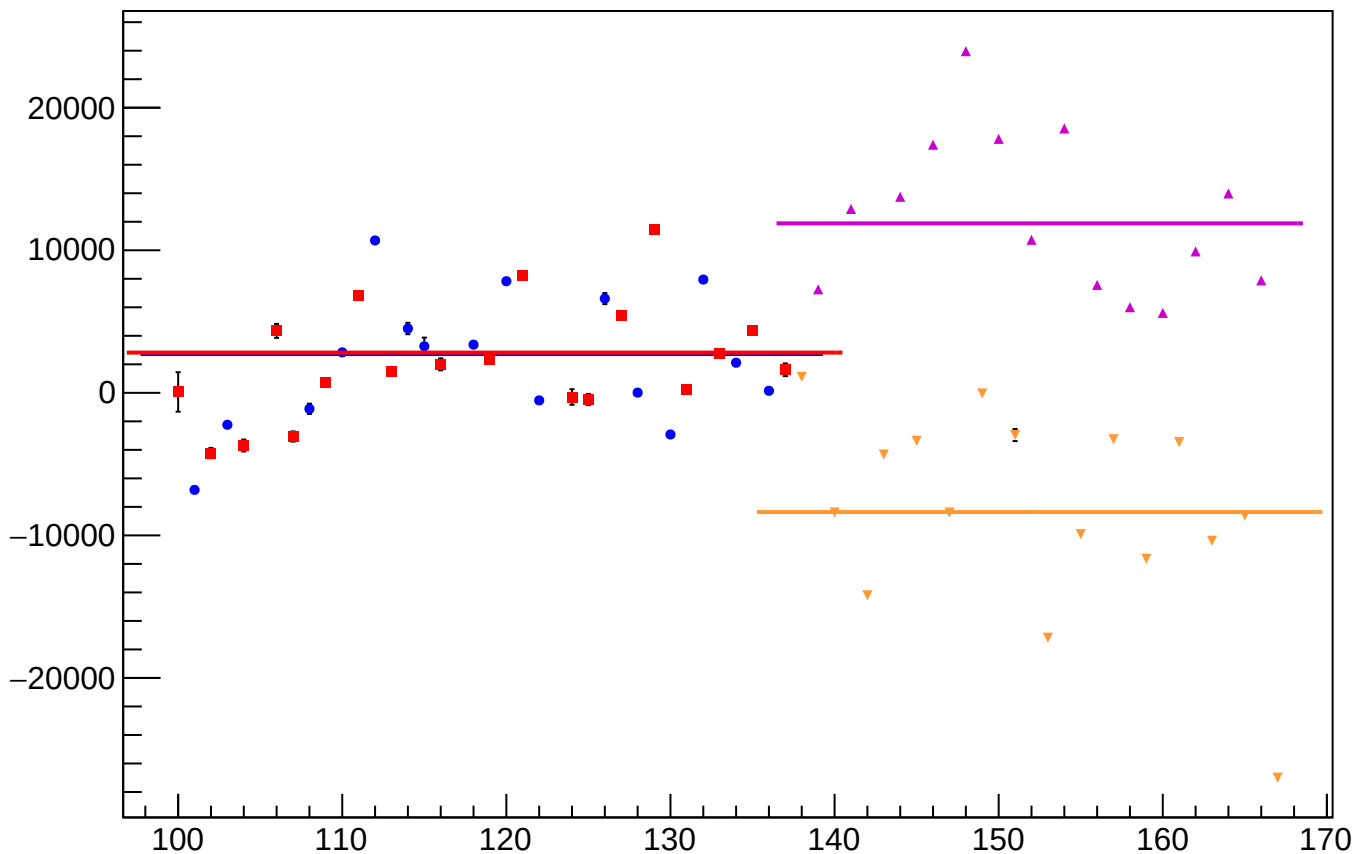
Left In: 169.100 $\pm$ 0.037 χ^2 /NDF: 846140.1/13

+ sign 154.682 $\pm$ 0.026 χ^2 /NDF: 2115726.4/31

All: 153.487 $\pm$ 0.018 χ^2 /NDF: 4280859.1/64

- sign 152.263 $\pm$ 0.026 χ^2 /NDF: 2160747.5/32

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF : 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF :15638.3/15

Right Out: 2823.679+/-64.850 χ^2/NDF : 3062.8/18

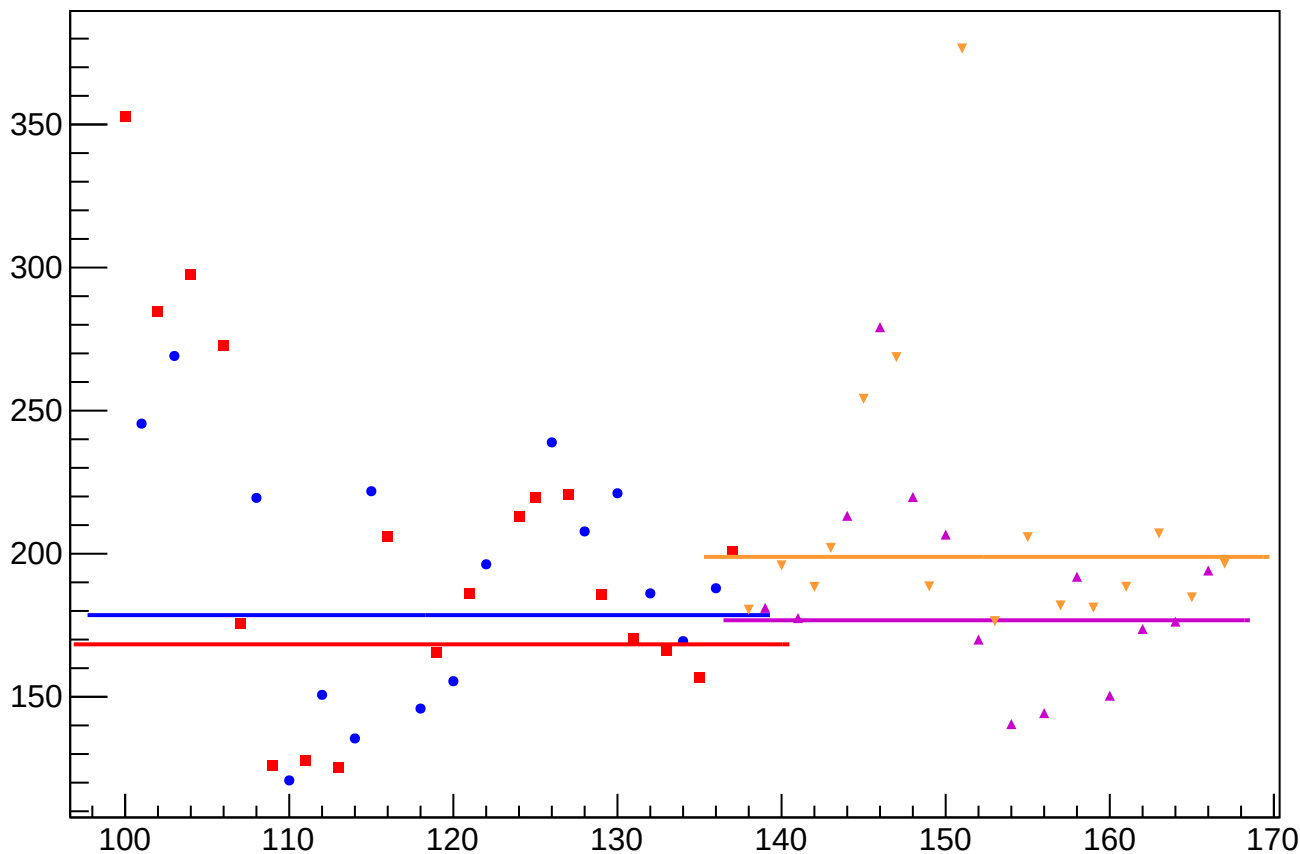
Left In: 11887.237+/-54.038 χ^2/NDF :9454.8/13

+ sign -3839.564+/-44.233 χ^2/NDF : 34925.6/31

All: 2547.288+/-30.271 χ^2/NDF : 98183.9/64

- sign 8172.999+/-41.514 χ^2/NDF : 24046.2/32

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF : 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF : 633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF : 979485.9/18

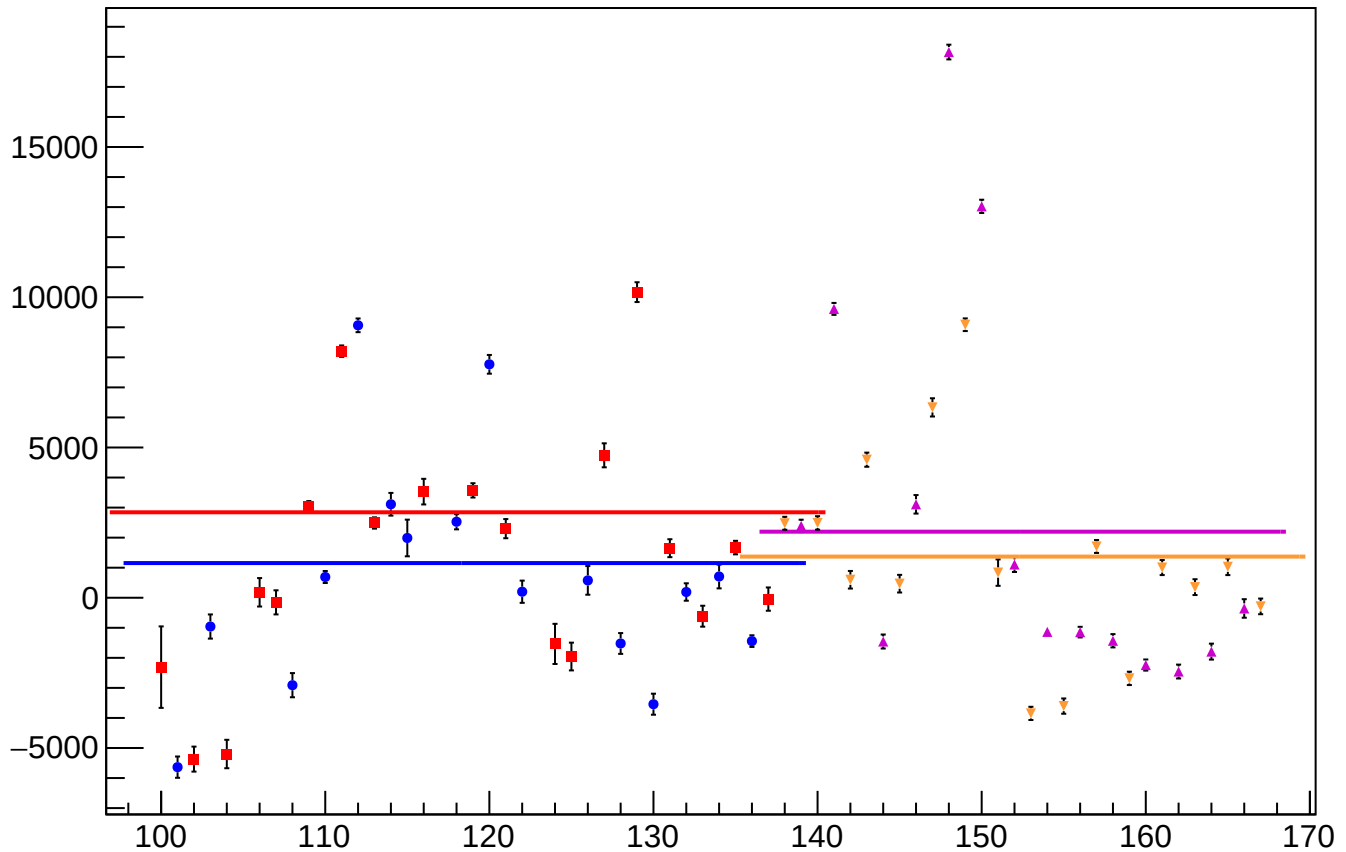
Left In: 176.746+/-0.038 χ^2/NDF : 657381.7/13

+ sign 190.592+/-0.031 χ^2/NDF : 1410204.3/31

All: 181.398+/-0.021 χ^2/NDF : 3229451.3/64

- sign 173.299+/-0.029 χ^2/NDF : 1656724.8/32

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF : 3202.2/15

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

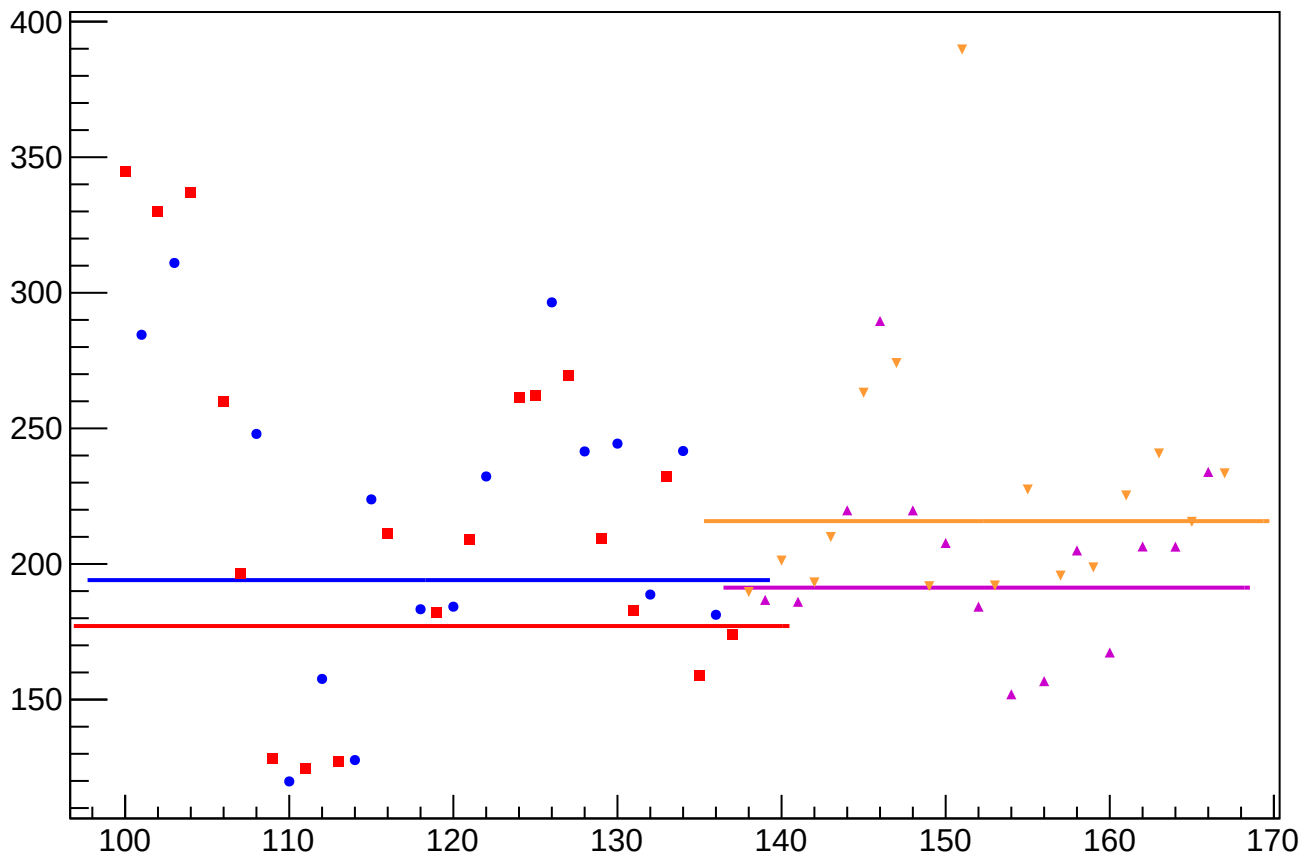
Left In: 2198.395+/-58.383 χ^2/NDF : 10626.1/13

+ sign 1282.695+/-48.195 χ^2/NDF : 5862.3/31

All: 1920.618+/-32.737 χ^2/NDF : 19317.7/64

- sign 2467.083+/-44.607 χ^2/NDF : 13130.1/32

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF : 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF : 602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF : 1359345.8/18

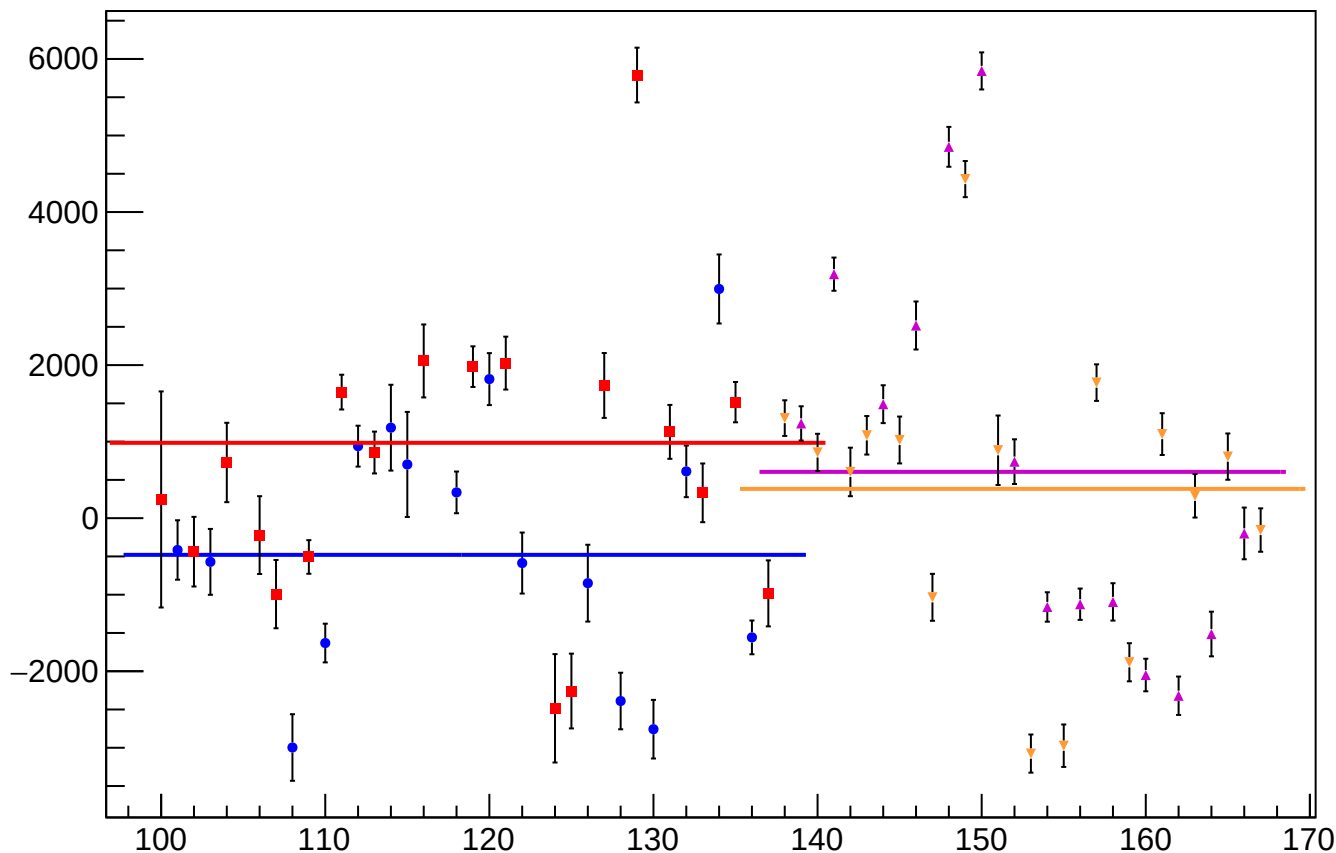
Left In: 191.273+/-0.041 χ^2/NDF : 560656.9/13

+ sign 207.050+/-0.034 χ^2/NDF : 1666099.8/31

All: 195.378+/-0.023 χ^2/NDF : 3852841.3/64

- sign 185.380+/-0.032 χ^2/NDF : 1968959.1/32

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 382.958 ± 67.880 χ^2/NDF : 816.5/15

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

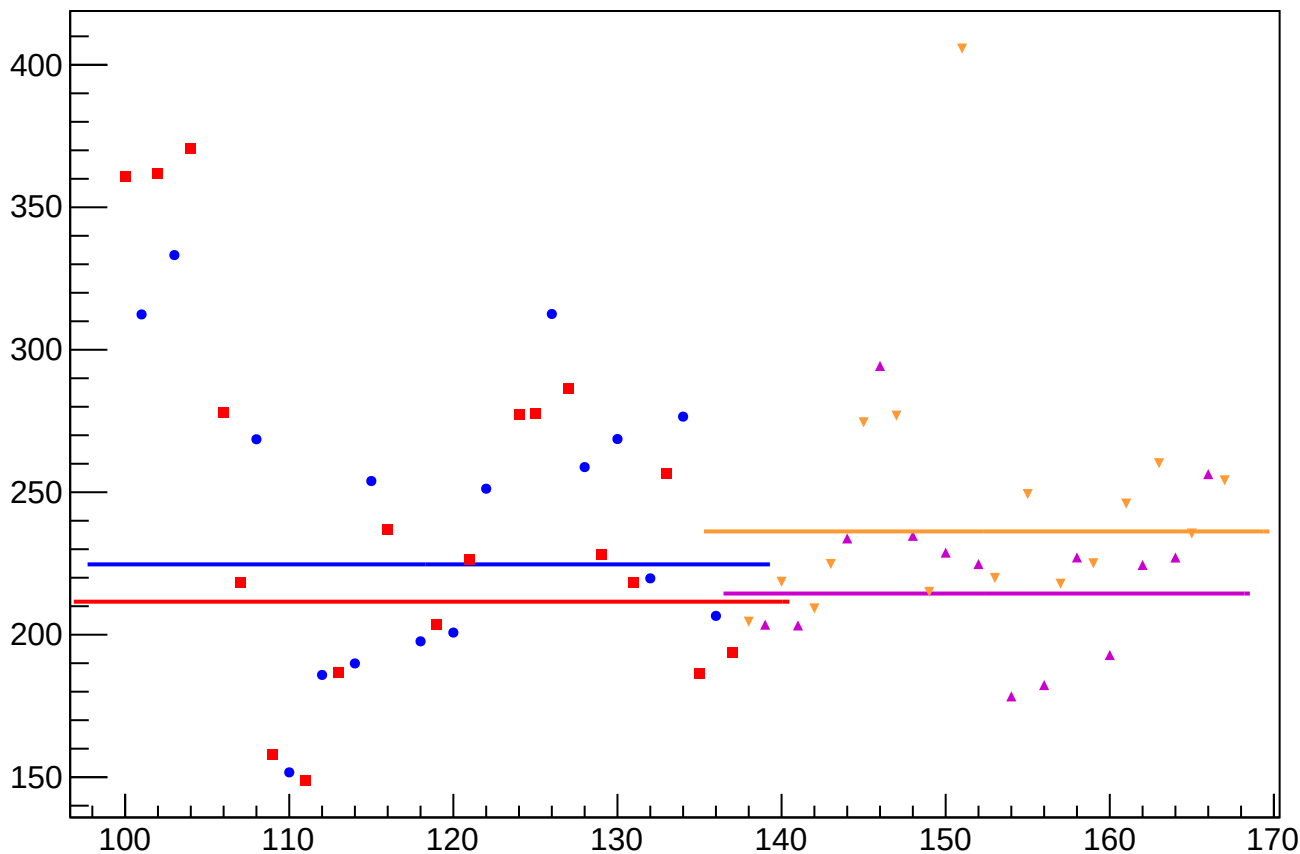
Left In: 605.138 ± 64.887 χ^2/NDF : 1487.8/13

+ sign 55.203 ± 53.444 χ^2/NDF : 1183.3/31

All: 423.254 ± 36.755 χ^2/NDF : 3172.6/64

- sign 753.546 ± 50.628 χ^2/NDF : 1899.3/32

asym_bpm0i07WS_rms vs Slug



Right In: 224.683 $\pm$ 0.061 χ^2 /NDF: 653193.4/15

Left Out: 236.243 $\pm$ 0.048 χ^2 /NDF: 481286.1/15

Right Out: 211.595 $\pm$ 0.057 χ^2 /NDF: 932902.5/18

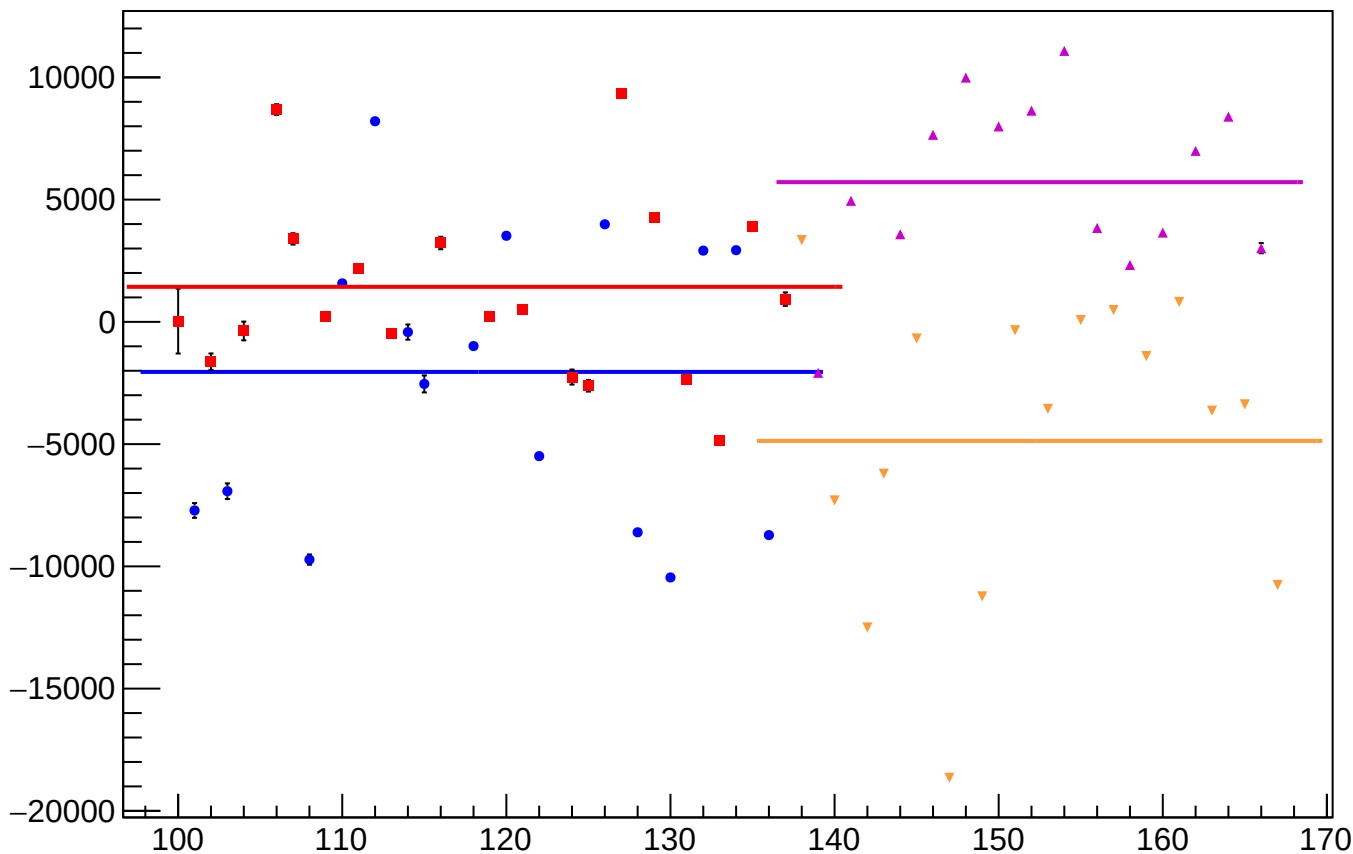
Left In: 214.451 $\pm$ 0.046 χ^2 /NDF: 357133.2/13

+ sign 231.849 $\pm$ 0.038 χ^2 /NDF: 1156529.9/31

All: 222.091 $\pm$ 0.026 χ^2 /NDF: 2574594.9/64

- sign 213.334 $\pm$ 0.036 χ^2 /NDF: 1291551.2/32

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267 ± 46.722 $\chi^2/\text{NDF}: 16709.1/15$

Left Out: -4868.559 ± 34.758 $\chi^2/\text{NDF}: 30832.8/15$

Right Out: 1432.909 ± 44.729 $\chi^2/\text{NDF}: 6387.8/18$

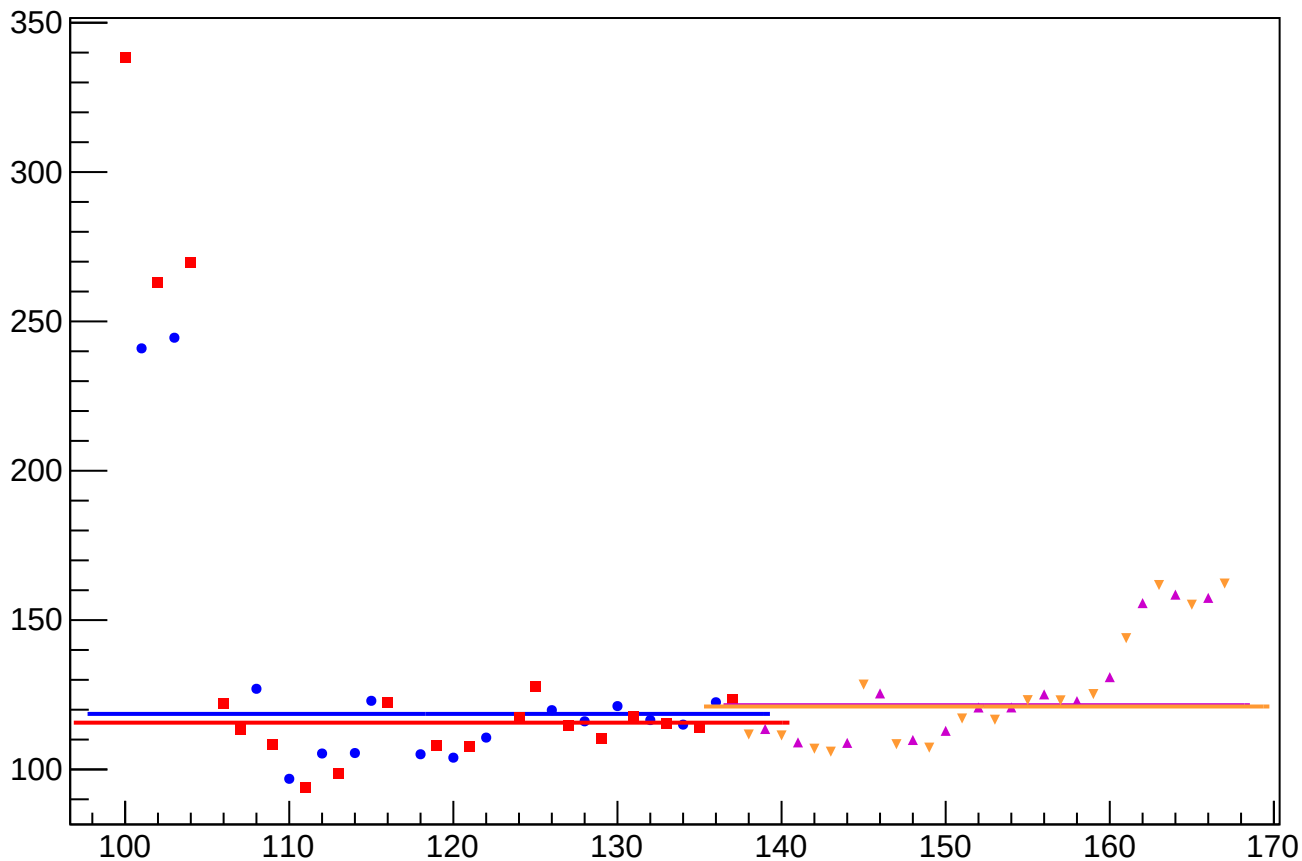
Left In: 5715.549 ± 36.389 $\chi^2/\text{NDF}: 9610.7/13$

+ sign -3863.427 ± 27.887 $\chi^2/\text{NDF}: 49889.2/31$

All: 25.523 ± 19.839 $\chi^2/\text{NDF}: 110775.2/64$

- sign 4009.937 ± 28.228 $\chi^2/\text{NDF}: 21514.8/32$

asym_bpm1i02WS_rms vs Slug



Right In: 118.596 $\pm$ 0.033 χ^2 /NDF: 734158.7/15

Left Out: 121.071 $\pm$ 0.025 χ^2 /NDF: 438778.7/15

Right Out: 115.660 $\pm$ 0.032 χ^2 /NDF: 864206.3/18

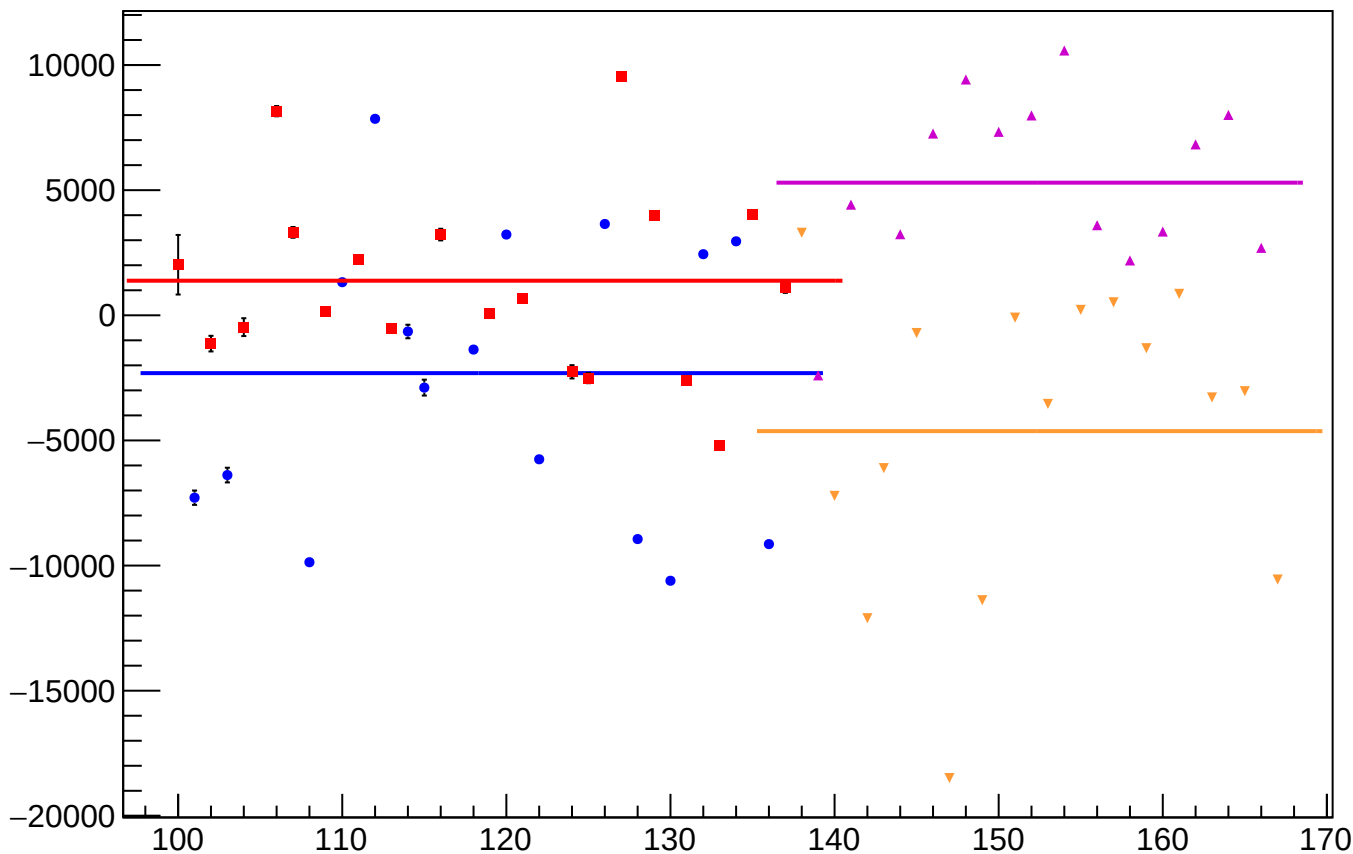
Left In: 121.511 $\pm$ 0.026 χ^2 /NDF: 296780.3/13

+ sign 120.189 $\pm$ 0.020 χ^2 /NDF: 1176551.1/31

All: 119.691 $\pm$ 0.014 χ^2 /NDF: 2359427.0/64

- sign 119.181 $\pm$ 0.020 χ^2 /NDF: 1181583.8/32

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581 ± 40.734 $\chi^2/\text{NDF}: 21679.5/15$

Left Out: -4628.610 ± 31.186 $\chi^2/\text{NDF}: 37290.3/15$

Right Out: 1382.178 ± 39.342 $\chi^2/\text{NDF}: 8578.9/18$

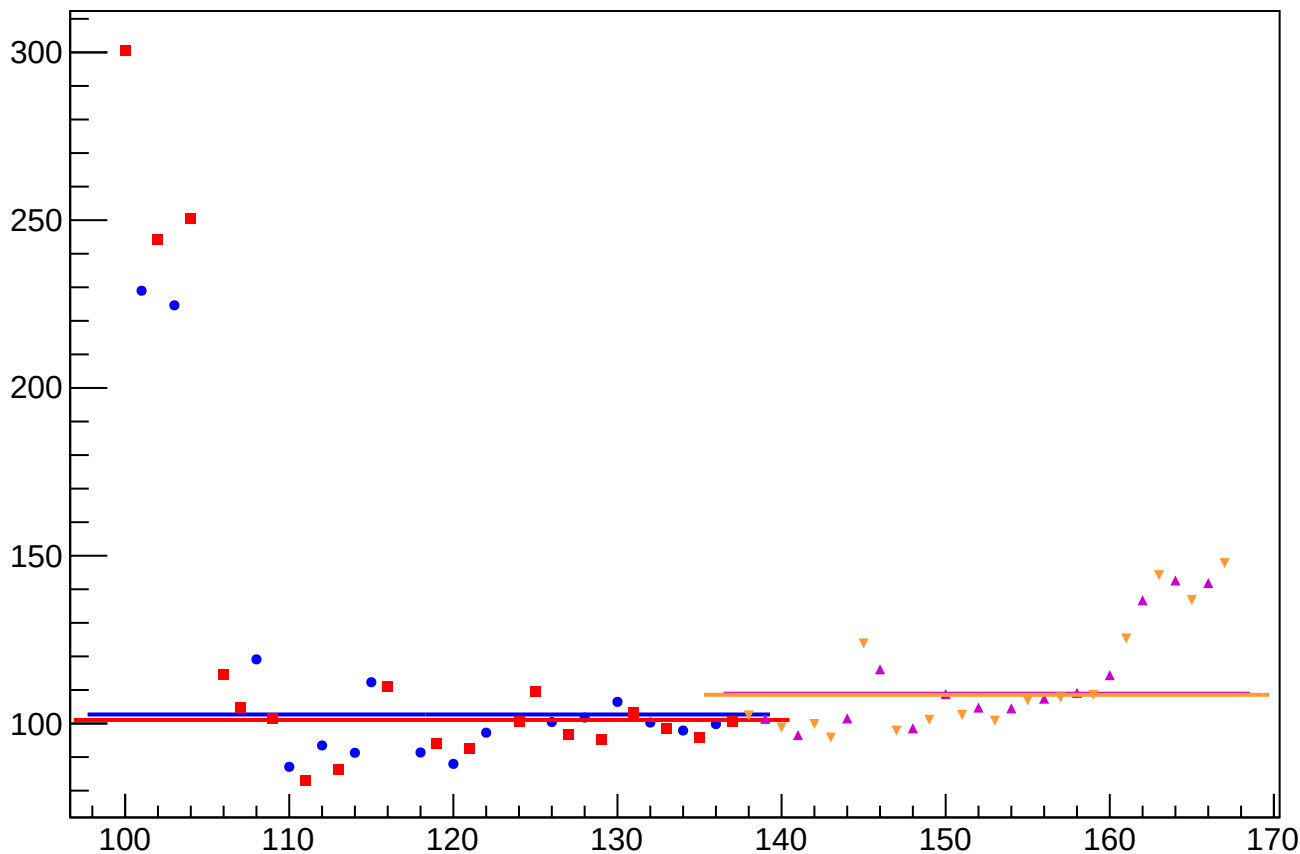
Left In: 5299.755 ± 32.629 $\chi^2/\text{NDF}: 11418.8/13$

+ sign -3772.031 ± 24.762 $\chi^2/\text{NDF}: 61011.4/31$

All: -87.313 ± 17.633 $\chi^2/\text{NDF}: 131805.9/64$

- sign 3703.224 ± 25.115 $\chi^2/\text{NDF}: 25872.5/32$

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF : 825801.5/15

Left Out: 108.561+/-0.022 χ^2/NDF : 417986.1/15

Right Out: 101.063+/-0.028 χ^2/NDF : 930458.1/18

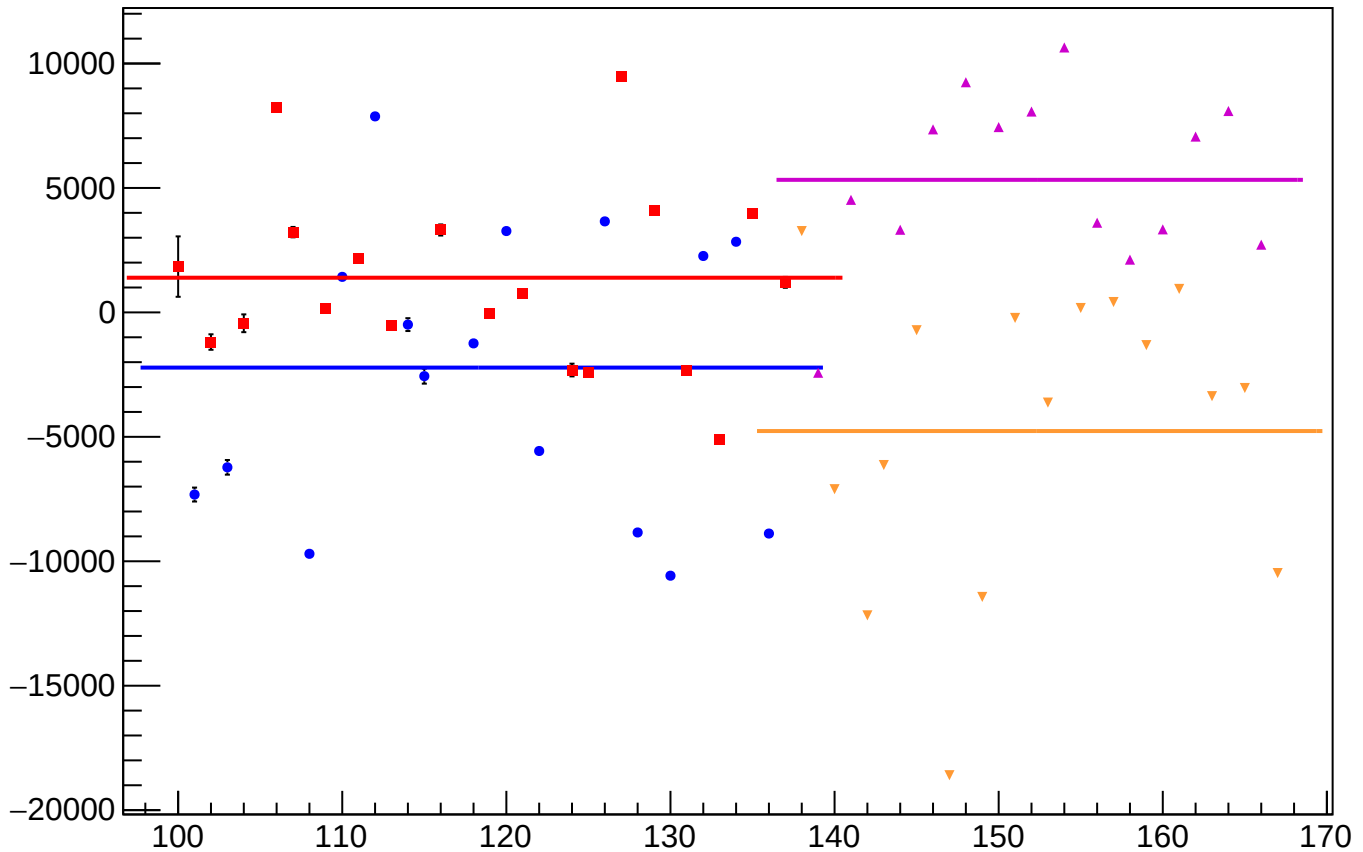
Left In: 108.892+/-0.023 χ^2/NDF : 276045.6/13

+ sign 106.393+/-0.018 χ^2/NDF : 1269951.6/31

All: 106.052+/-0.012 χ^2/NDF : 2524146.2/64

- sign 105.702+/-0.018 χ^2/NDF : 1253425.7/32

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049 ± 39.039 χ^2/NDF : 23040.7/15

Left Out: -4767.388 ± 30.538 χ^2/NDF : 40081.6/15

Right Out: 1393.557 ± 37.580 χ^2/NDF : 9152.1/18

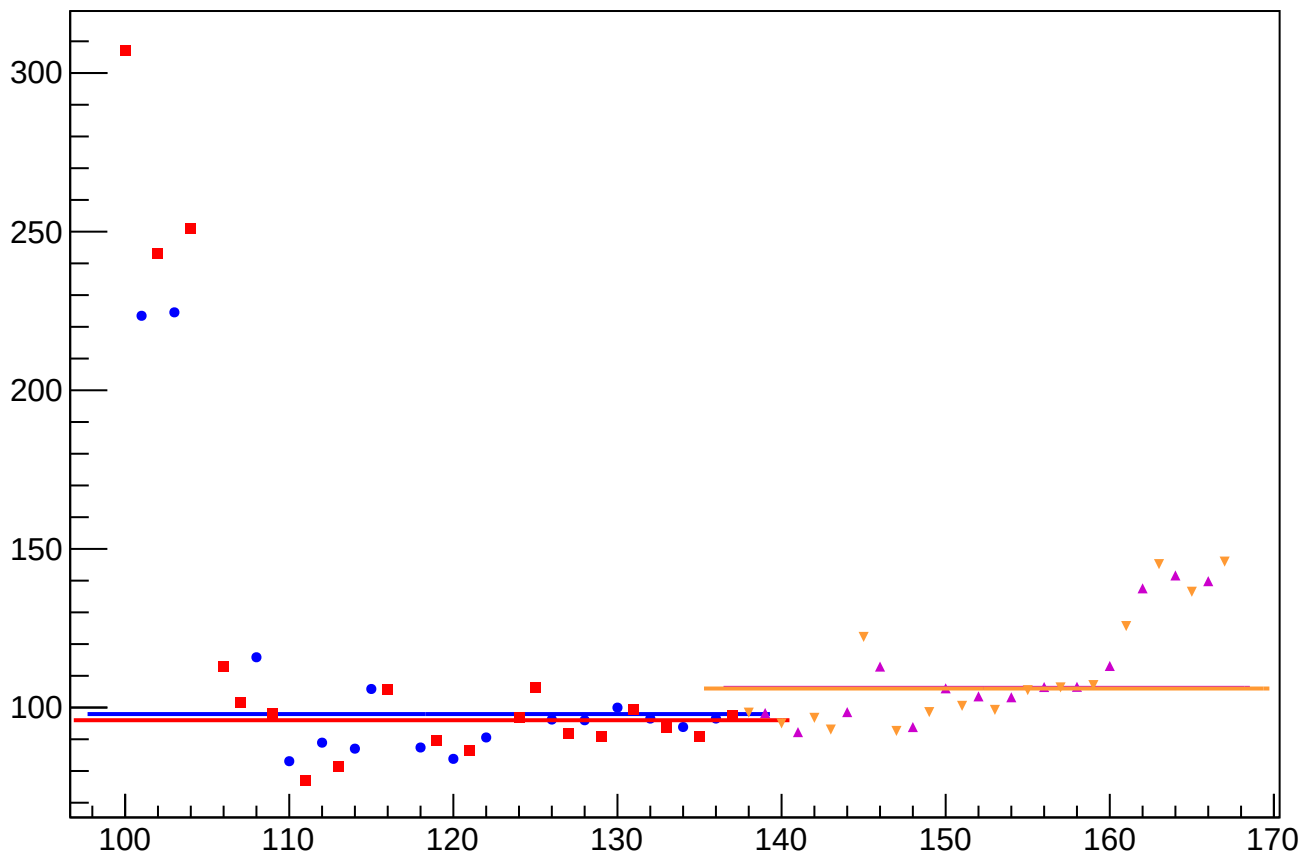
Left In: 5326.343 ± 31.912 χ^2/NDF : 12094.4/13

+ sign -3799.622 ± 24.053 χ^2/NDF : 65767.9/31

All: -102.559 ± 17.103 χ^2/NDF : 141165.9/64

- sign 3678.583 ± 24.325 χ^2/NDF : 27609.8/32

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF : 868148.4/15

Left Out: 105.996+/-0.022 χ^2/NDF : 492148.1/15

Right Out: 96.005+/-0.027 χ^2/NDF : 1012287.0/18

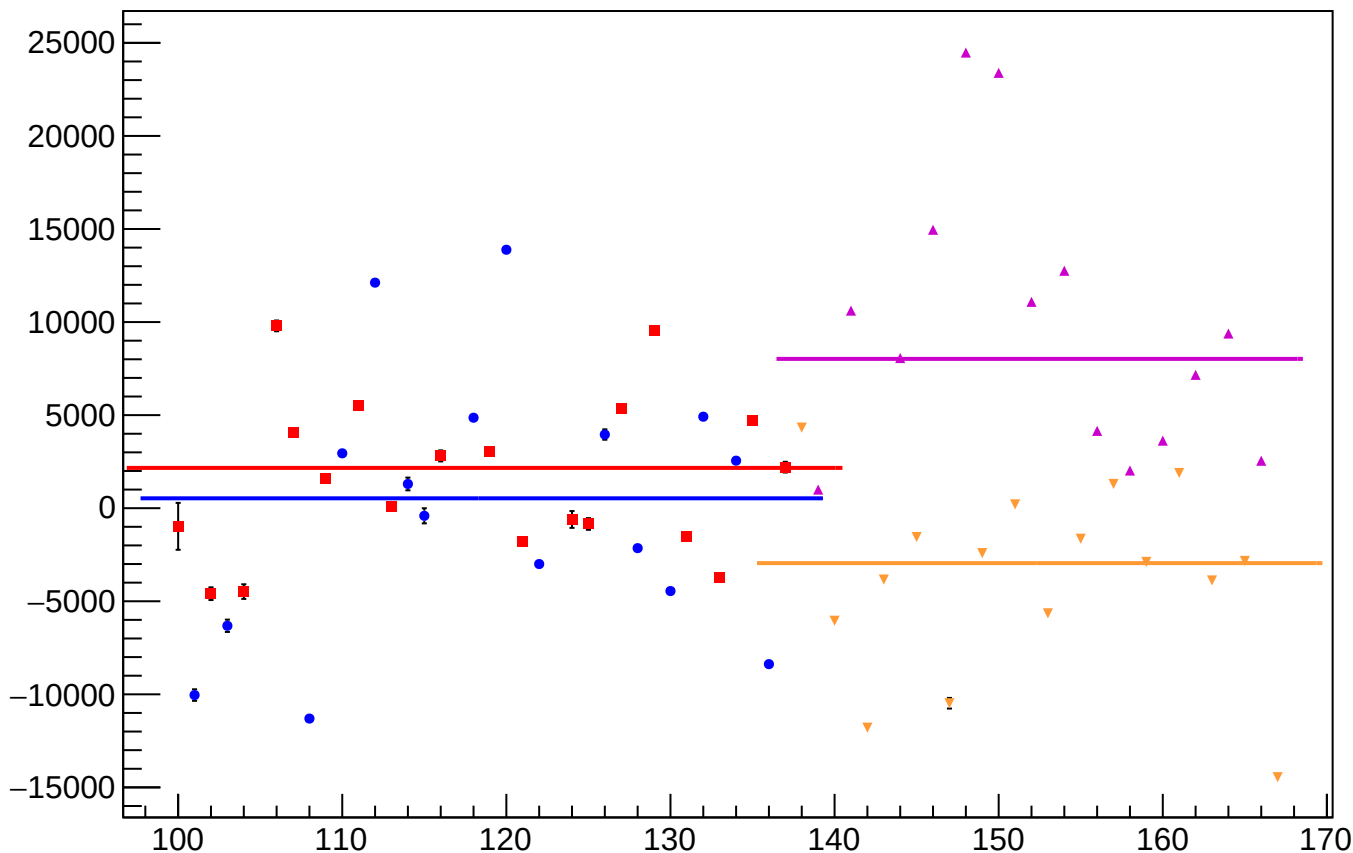
Left In: 106.208+/-0.023 χ^2/NDF : 327269.4/13

+ sign 102.939+/-0.017 χ^2/NDF : 1413089.8/31

All: 102.442+/-0.012 χ^2/NDF : 2840035.0/64

- sign 101.933+/-0.017 χ^2/NDF : 1425213.7/32

asym_bpm0i01WS_mean vs Slug



Right In: 530.568 $\pm$ 54.855 χ^2 /NDF: 18587.6/15

Left Out: -2950.919 $\pm$ 44.372 χ^2 /NDF:10660.0/15

Right Out: 2164.994 $\pm$ 53.458 χ^2 /NDF: 4967.1/18

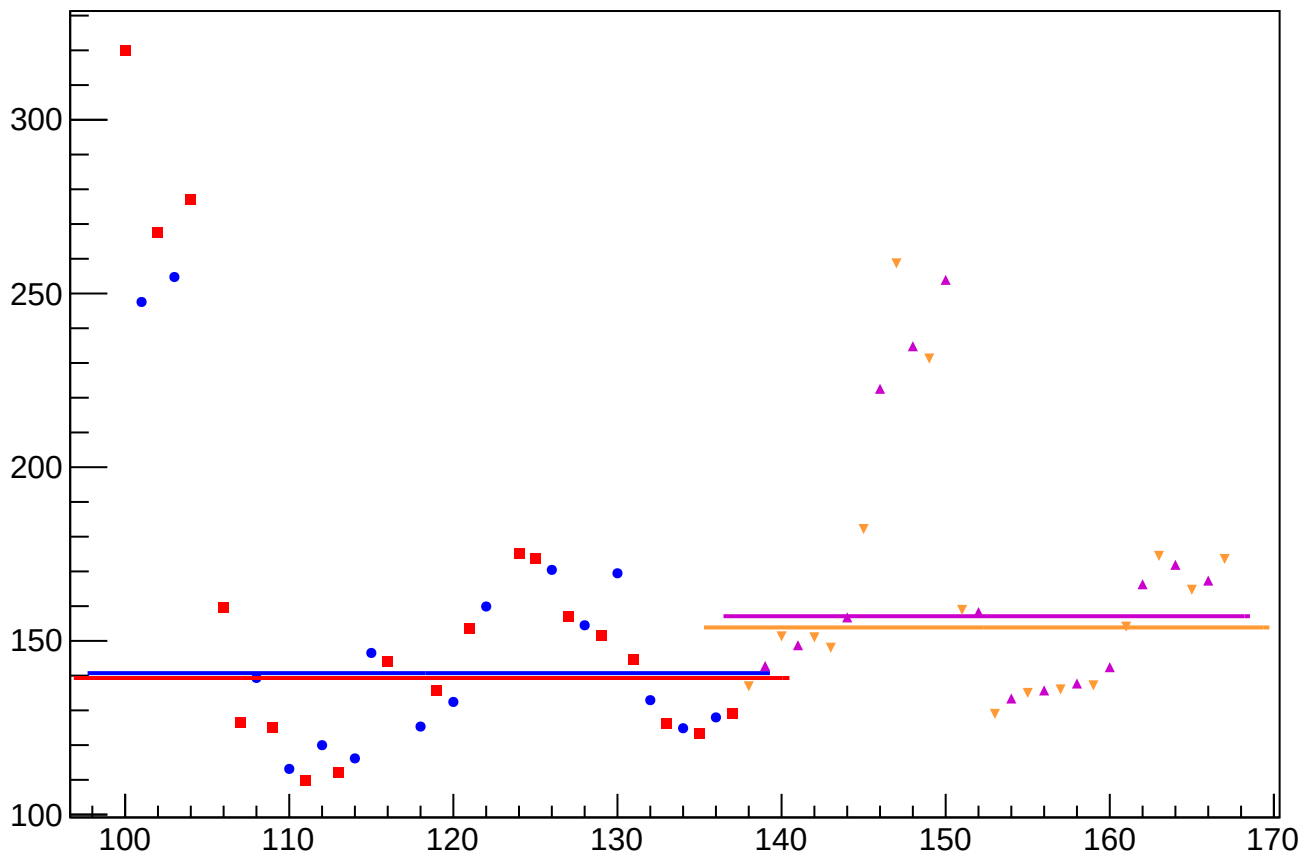
Left In: 8021.629 $\pm$ 47.571 χ^2 /NDF:15439.2/13

+ sign -1573.931 $\pm$ 34.498 χ^2 /NDF: 31682.6/31

All: 1825.759 $\pm$ 24.753 χ^2 /NDF: 78804.2/64

- sign 5433.416 $\pm$ 35.538 χ^2 /NDF: 27104.6/32

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF : 675618.7/15

Left Out: 153.869+/-0.031 χ^2/NDF : 717833.7/15

Right Out: 139.317+/-0.038 χ^2/NDF : 802317.0/18

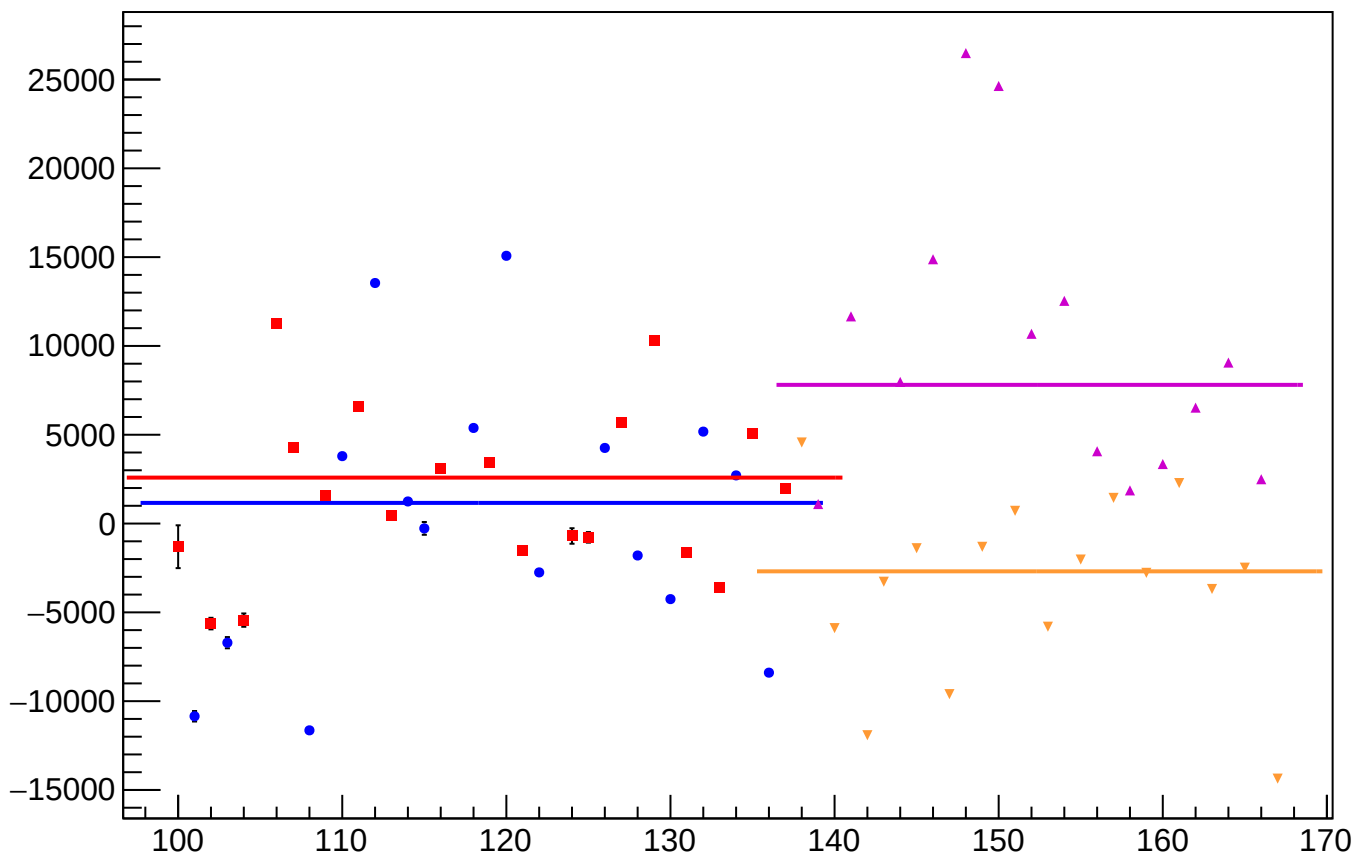
Left In: 157.105+/-0.034 χ^2/NDF : 776477.1/13

+ sign 148.666+/-0.024 χ^2/NDF : 1462963.9/31

All: 148.947+/-0.018 χ^2/NDF : 3165614.4/64

- sign 149.244+/-0.025 χ^2/NDF : 1702378.1/32

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF : 30754.3/15

Left Out: -2690.328+/-39.171 χ^2/NDF : 13703.7/15

Right Out: 2586.755+/-44.256 χ^2/NDF : 8099.7/18

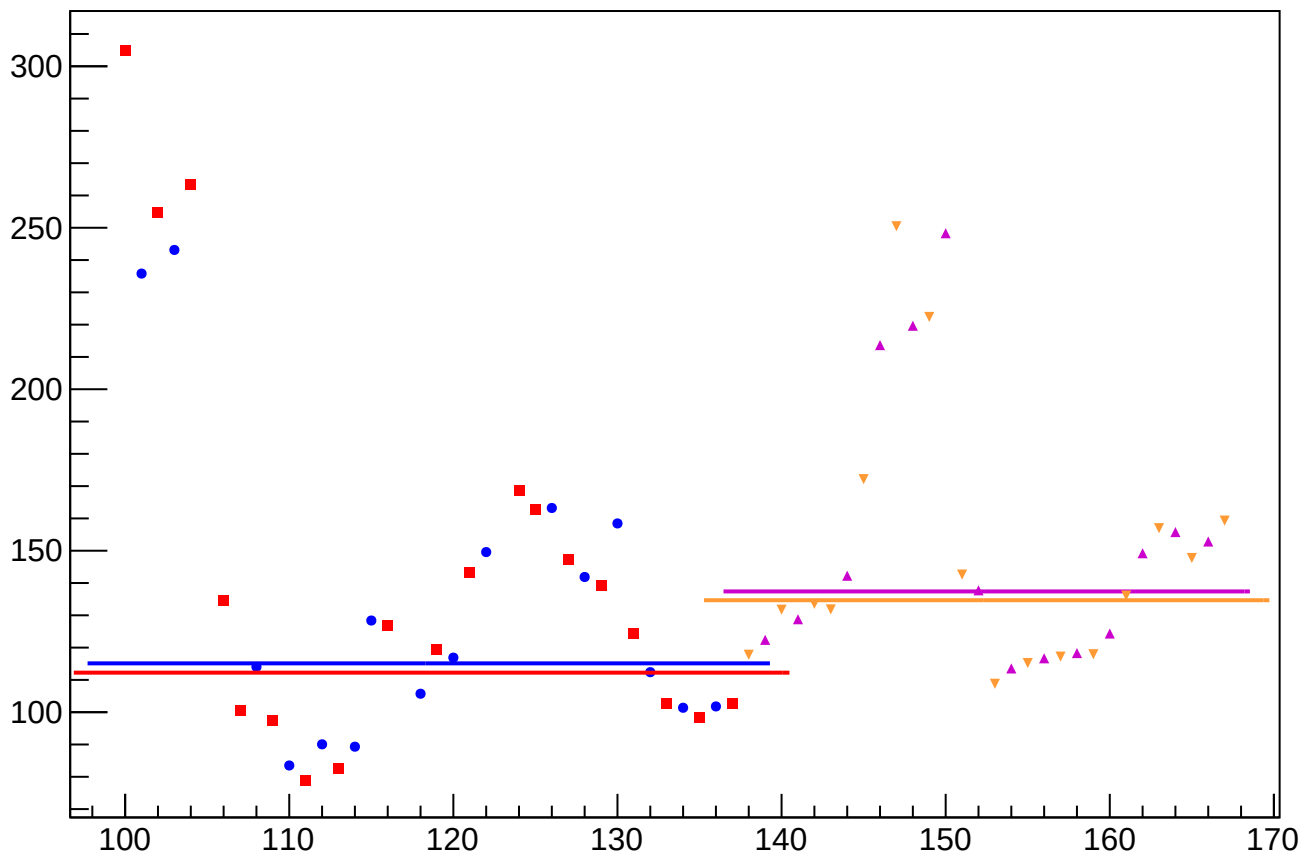
Left In: 7808.594+/-42.042 χ^2/NDF : 20615.0/13

+ sign -1067.799+/-29.804 χ^2/NDF : 48532.7/31

All: 2060.064+/-21.310 χ^2/NDF : 107099.0/64

- sign 5331.584+/-30.481 χ^2/NDF : 36032.6/32

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF : 1112987.2/15

Left Out: 134.667+/-0.028 χ^2/NDF :1011779.4/15

Right Out: 112.241+/-0.031 χ^2/NDF : 1328156.6/18

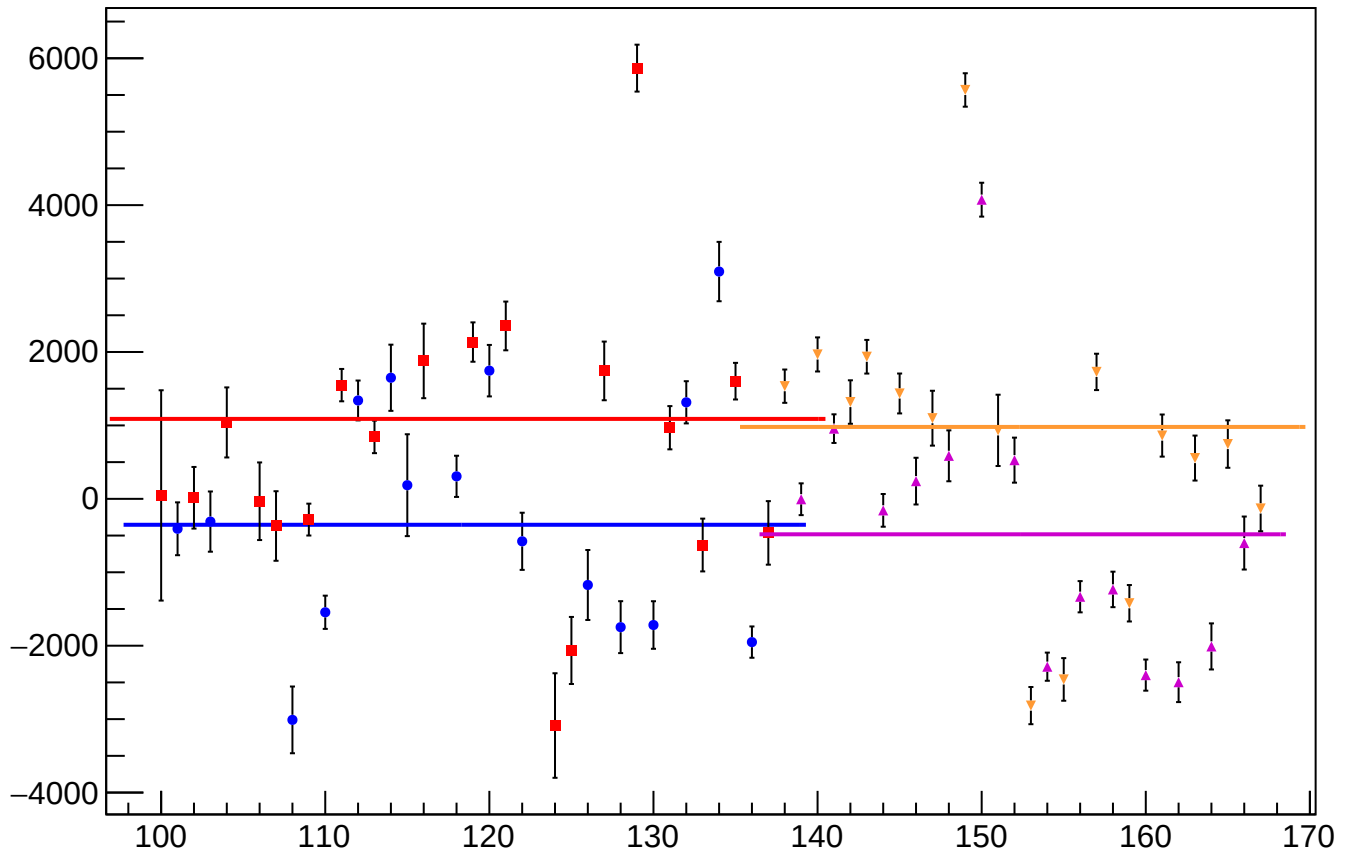
Left In: 137.393+/-0.030 χ^2/NDF :1066083.3/13

+ sign 126.439+/-0.021 χ^2/NDF : 2334358.1/31

All: 125.961+/-0.015 χ^2/NDF : 5069210.7/64

- sign 125.462+/-0.022 χ^2/NDF : 2733803.8/32

asym_bpm0l01WS_mean vs Slug



Right In: -353.129 ± 82.136 χ^2/NDF : 361.8/15

Left Out: 979.354 ± 68.124 χ^2/NDF : 934.8/15

Right Out: 1088.752 ± 76.444 χ^2/NDF : 447.2/18

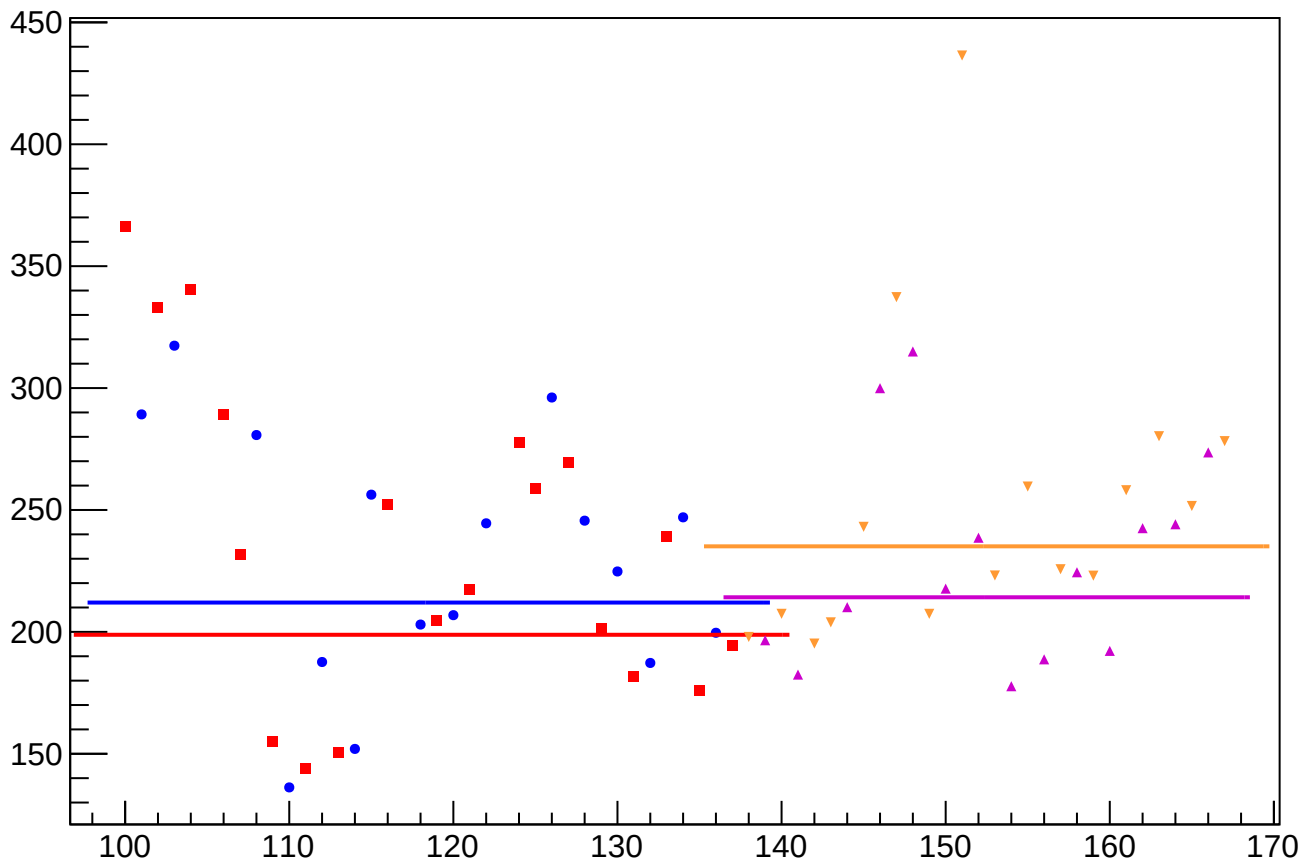
Left In: -482.822 ± 65.163 χ^2/NDF : 752.1/13

+ sign 436.298 ± 52.435 χ^2/NDF : 1452.6/31

All: 300.246 ± 36.030 χ^2/NDF : 2909.4/64

- sign 178.556 ± 49.591 χ^2/NDF : 1444.1/32

asym_bpm0l01WS_rms vs Slug



Right In: 212.027 $\pm$ 0.058 χ^2 /NDF: 690358.0/15

Left Out: 235.087 $\pm$ 0.048 χ^2 /NDF: 806902.3/15

Right Out: 198.809 $\pm$ 0.054 χ^2 /NDF: 974928.4/18

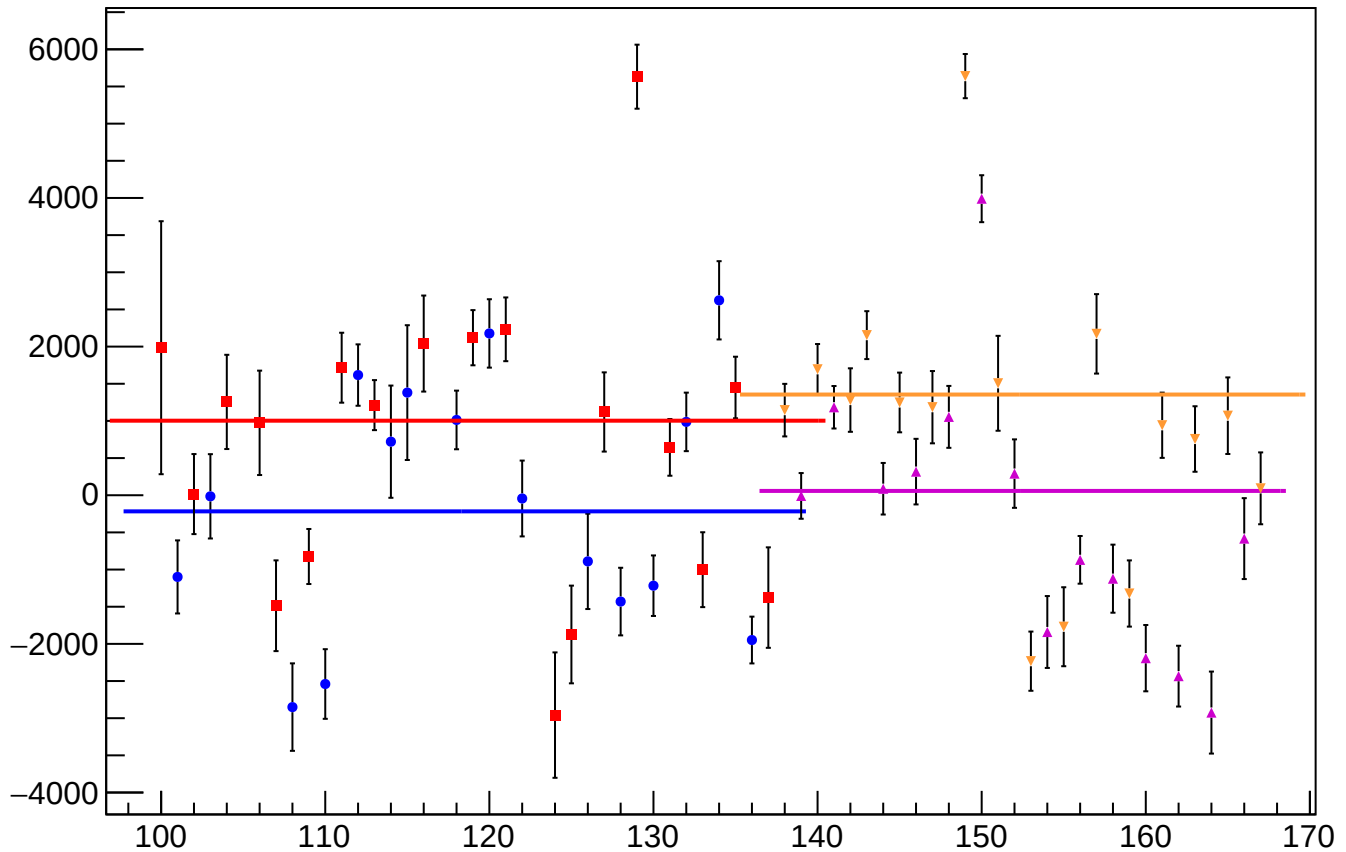
Left In: 214.194 $\pm$ 0.046 χ^2 /NDF: 614910.7/13

+ sign 225.689 $\pm$ 0.037 χ^2 /NDF: 1590653.8/31

All: 216.204 $\pm$ 0.025 χ^2 /NDF: 3351395.2/64

- sign 207.719 $\pm$ 0.035 χ^2 /NDF: 1636752.2/32

asym_bpm0l02WS_mean vs Slug



Right In: -216.948 ± 117.887 $\chi^2/\text{NDF}: 192.2/15$

Left Out: 1354.951 ± 103.857 $\chi^2/\text{NDF}: 379.4/15$

Right Out: 1003.049 ± 113.111 $\chi^2/\text{NDF}: 254.3/18$

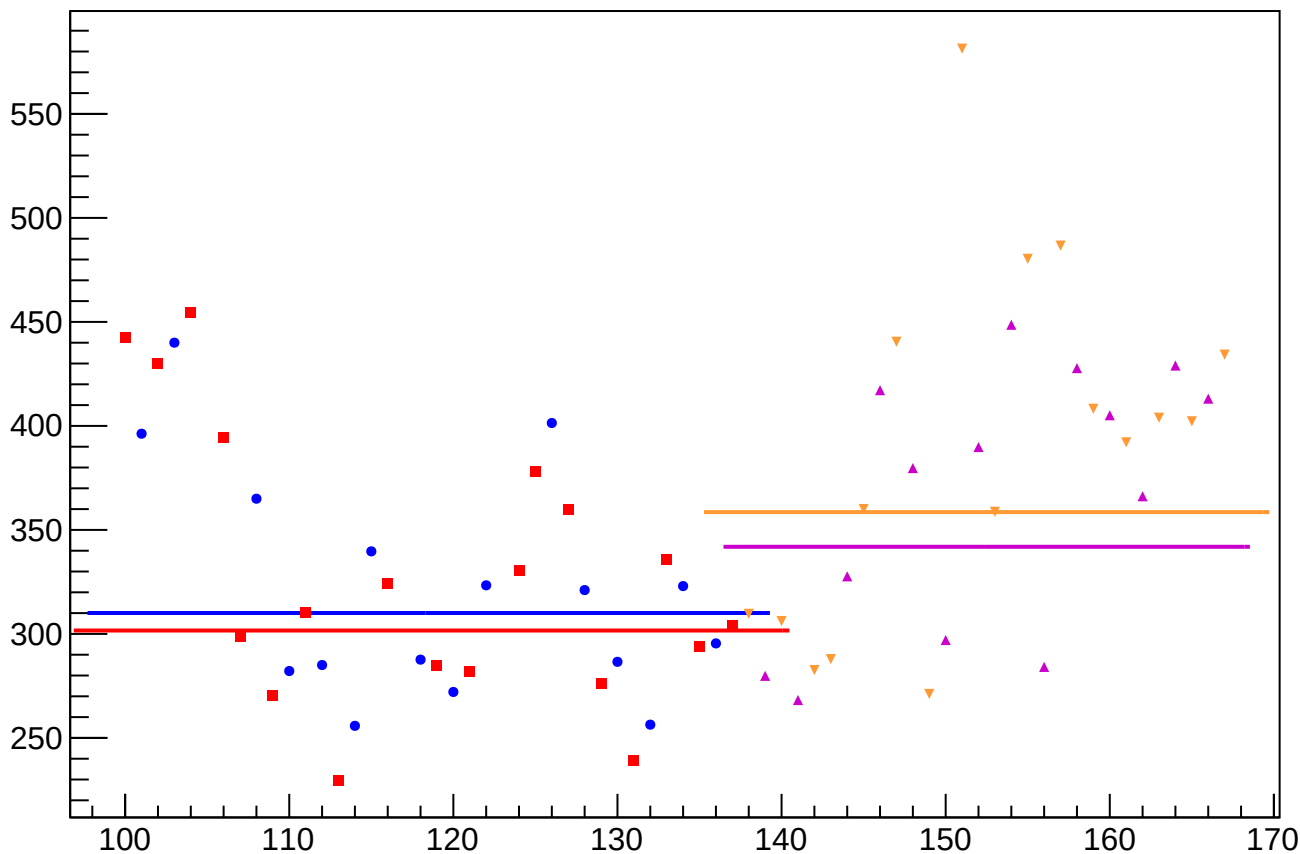
Left In: 58.065 ± 103.596 $\chi^2/\text{NDF}: 300.5/13$

+ sign 668.064 ± 77.929 $\chi^2/\text{NDF}: 671.7/31$

All: 576.829 ± 54.554 $\chi^2/\text{NDF}: 1267.2/64$

- sign 489.147 ± 76.396 $\chi^2/\text{NDF}: 592.8/32$

asym_bpm0l02WS_rms vs Slug



Right In: 310.062 $\pm$ 0.083 χ^2 /NDF: 323283.5/15

Left Out: 358.557 $\pm$ 0.073 χ^2 /NDF:1059359.1/15

Right Out: 301.637 $\pm$ 0.080 χ^2 /NDF: 519888.9/18

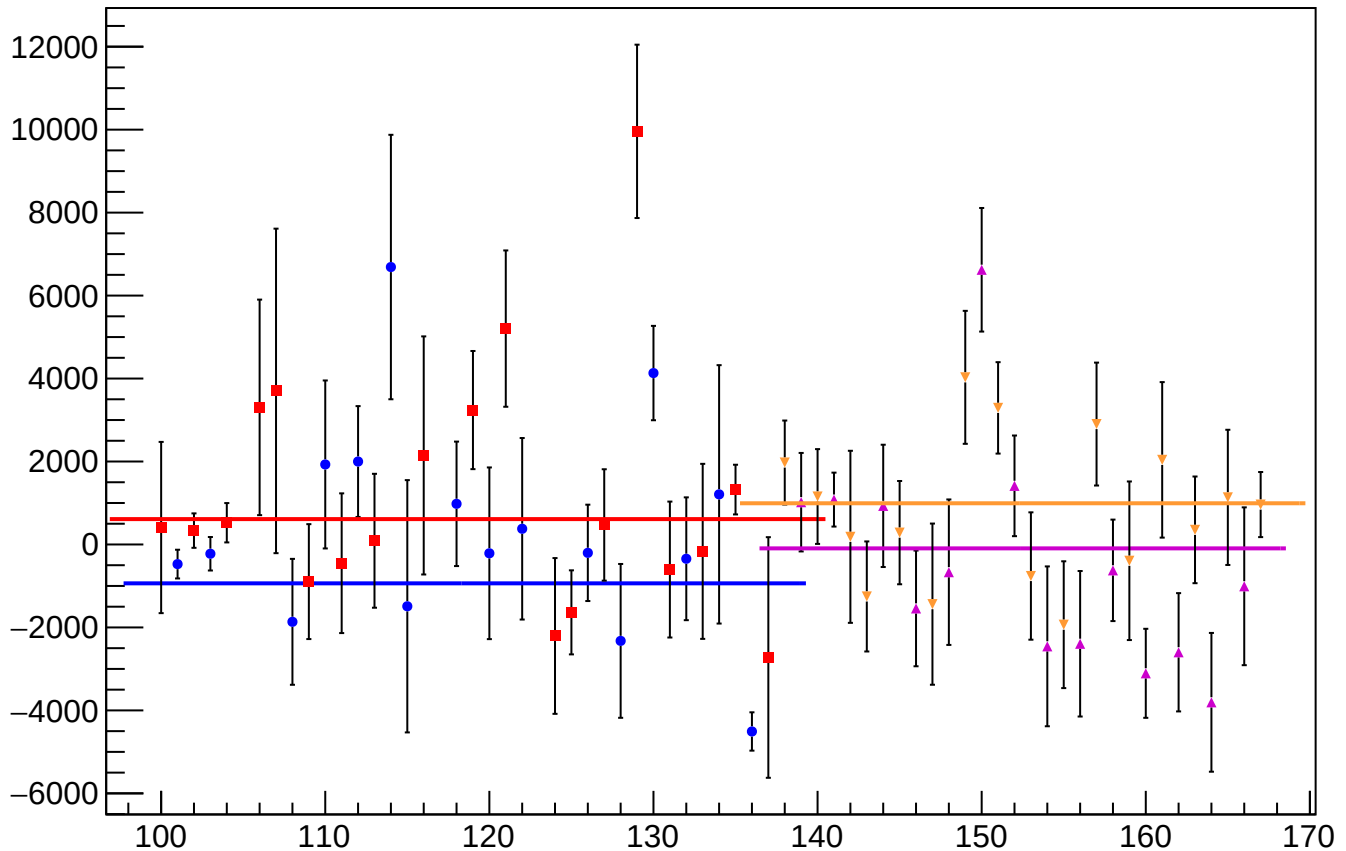
Left In: 341.889 $\pm$ 0.073 χ^2 /NDF:718341.0/13

+ sign 337.365 $\pm$ 0.055 χ^2 /NDF: 1573193.1/31

All: 330.309 $\pm$ 0.039 χ^2 /NDF: 2981324.0/64

- sign 323.527 $\pm$ 0.054 χ^2 /NDF: 1375971.0/32

asym_bpm0l03WS_mean vs Slug



Right In: -936.949 ± 204.717 $\chi^2/\text{NDF}: 101.2/15$

Left Out: 993.248 ± 330.798 $\chi^2/\text{NDF}: 21.5/15$

Right Out: 611.668 ± 233.144 $\chi^2/\text{NDF}: 44.1/18$

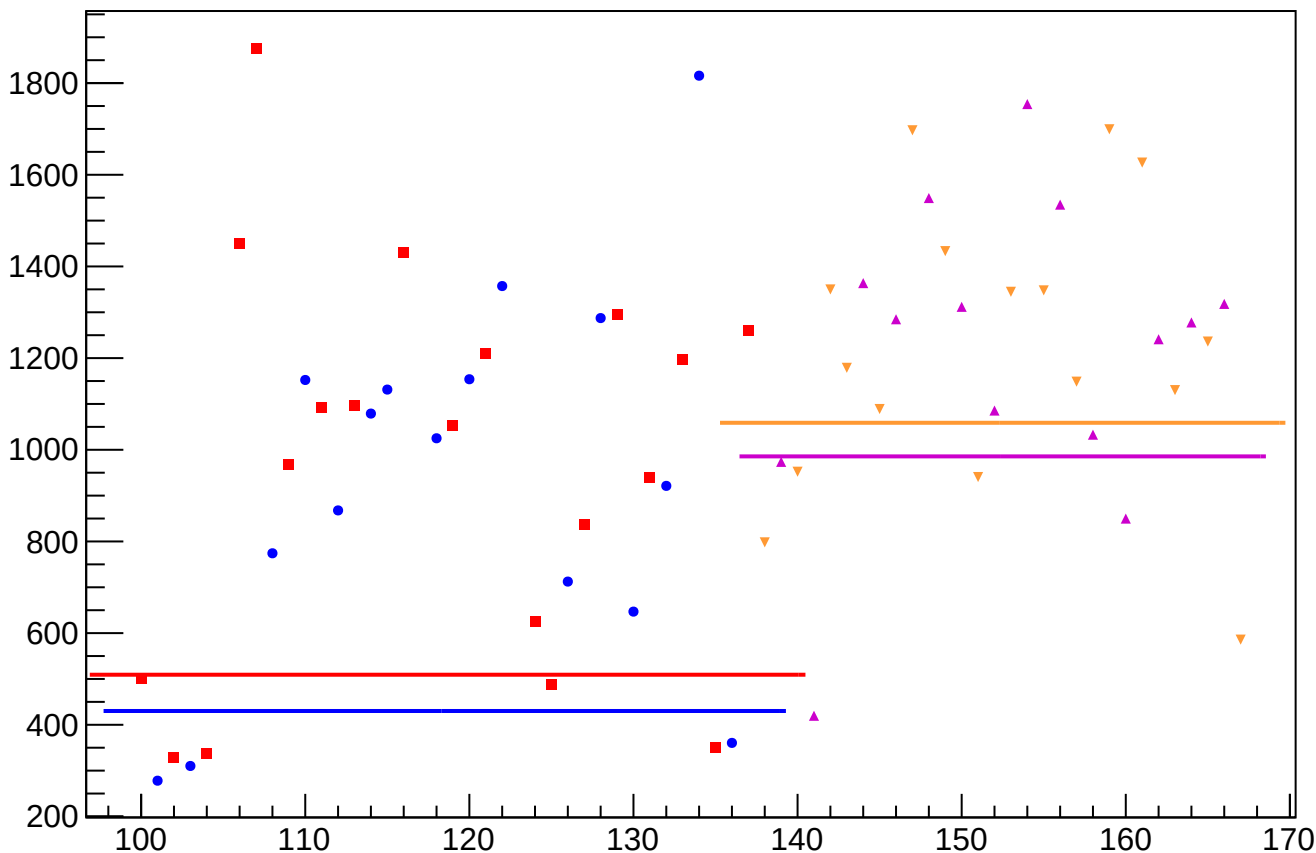
Left In: -94.125 ± 337.810 $\chi^2/\text{NDF}: 47.2/13$

+ sign -402.428 ± 174.078 $\chi^2/\text{NDF}: 147.4/31$

All: -47.405 ± 128.928 $\chi^2/\text{NDF}: 250.9/64$

- sign 383.949 ± 191.882 $\chi^2/\text{NDF}: 94.3/32$

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF : 3521861.8/15

Left Out: 1058.909+/-0.234 χ^2/NDF : 1868407.1/15

Right Out: 509.236+/-0.165 χ^2/NDF : 3673425.8/18

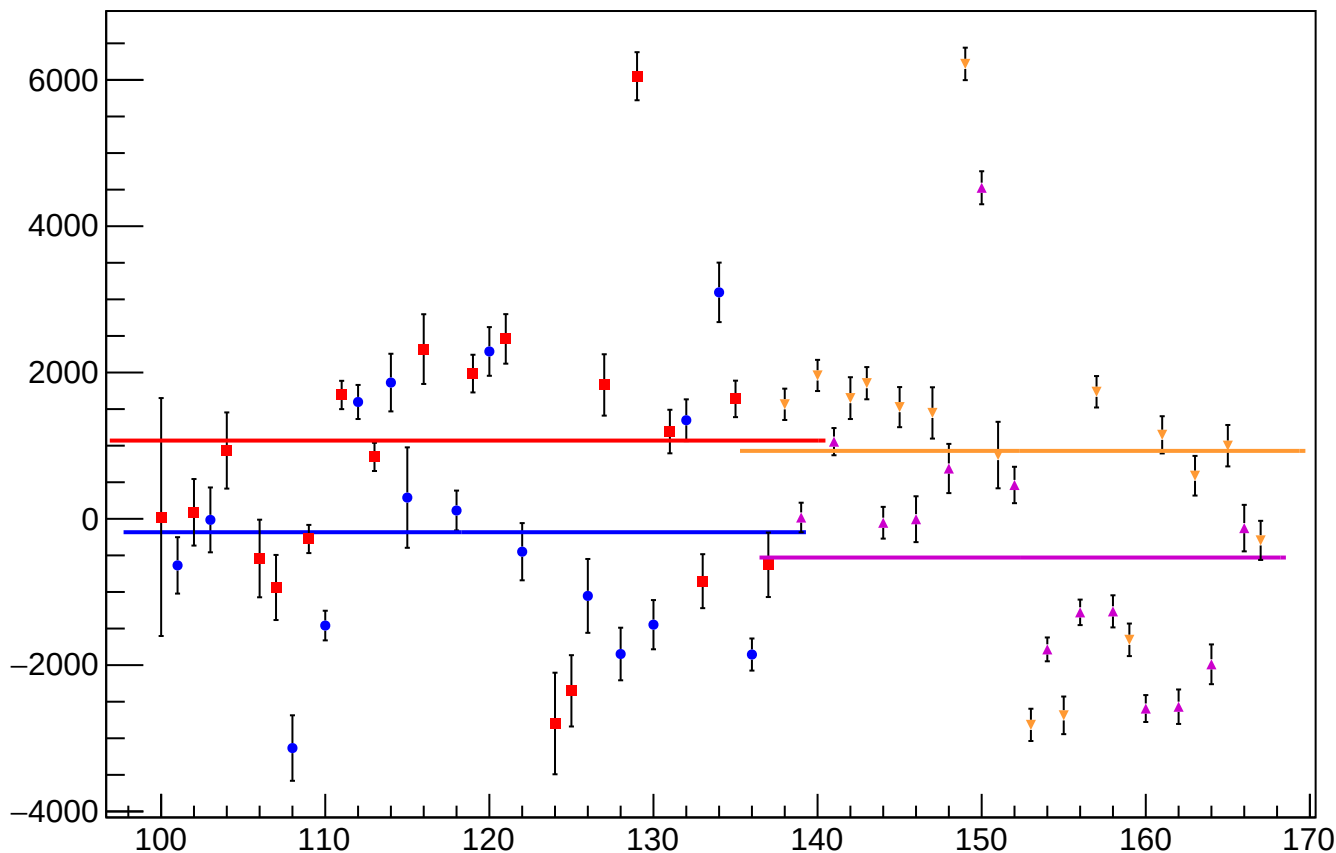
Left In: 985.593+/-0.239 χ^2/NDF : 2791758.3/13

+ sign 604.241+/-0.123 χ^2/NDF : 10615554.2/31

All: 630.737+/-0.091 χ^2/NDF : 19877186.3/64

- sign 662.929+/-0.136 χ^2/NDF : 9159002.9/32

asym_bpm0l04WS_mean vs Slug



Right In: -183.020 ± 79.863 χ^2/NDF : 417.7/15

Left Out: 928.720 ± 62.453 χ^2/NDF : 1289.7/15

Right Out: 1069.729 ± 73.060 χ^2/NDF : 492.3/18

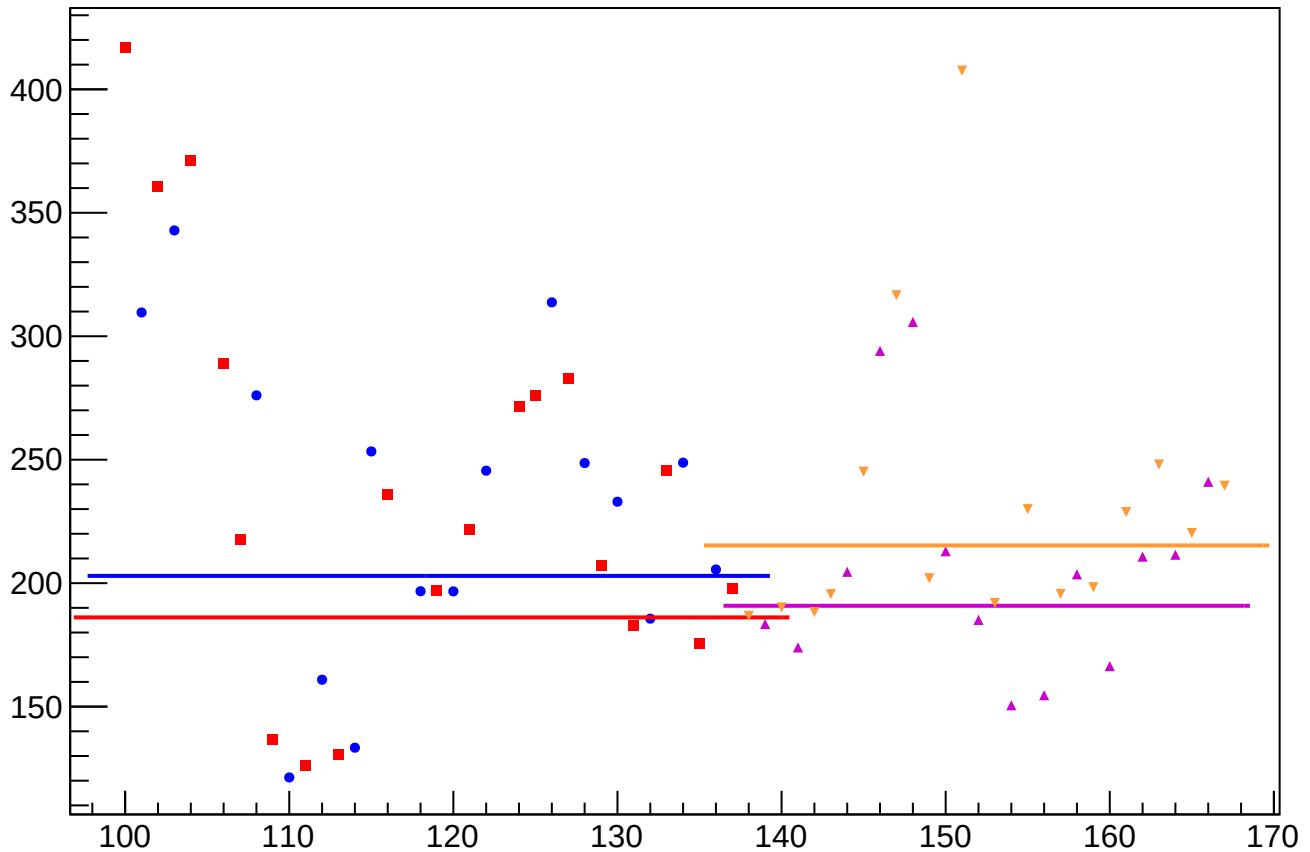
Left In: -529.168 ± 58.546 χ^2/NDF : 938.8/13

+ sign 506.846 ± 49.197 χ^2/NDF : 1827.7/31

All: 286.280 ± 33.478 χ^2/NDF : 3587.8/64

- sign 96.063 ± 45.687 χ^2/NDF : 1722.7/32

asym_bpm0l04WS_rms vs Slug



Right In: 202.941 $\pm$ 0.056 χ^2 /NDF: 1071859.2/15

Left Out: 215.277 $\pm$ 0.044 χ^2 /NDF: 762001.0/15

Right Out: 186.129 $\pm$ 0.052 χ^2 /NDF: 1481664.4/18

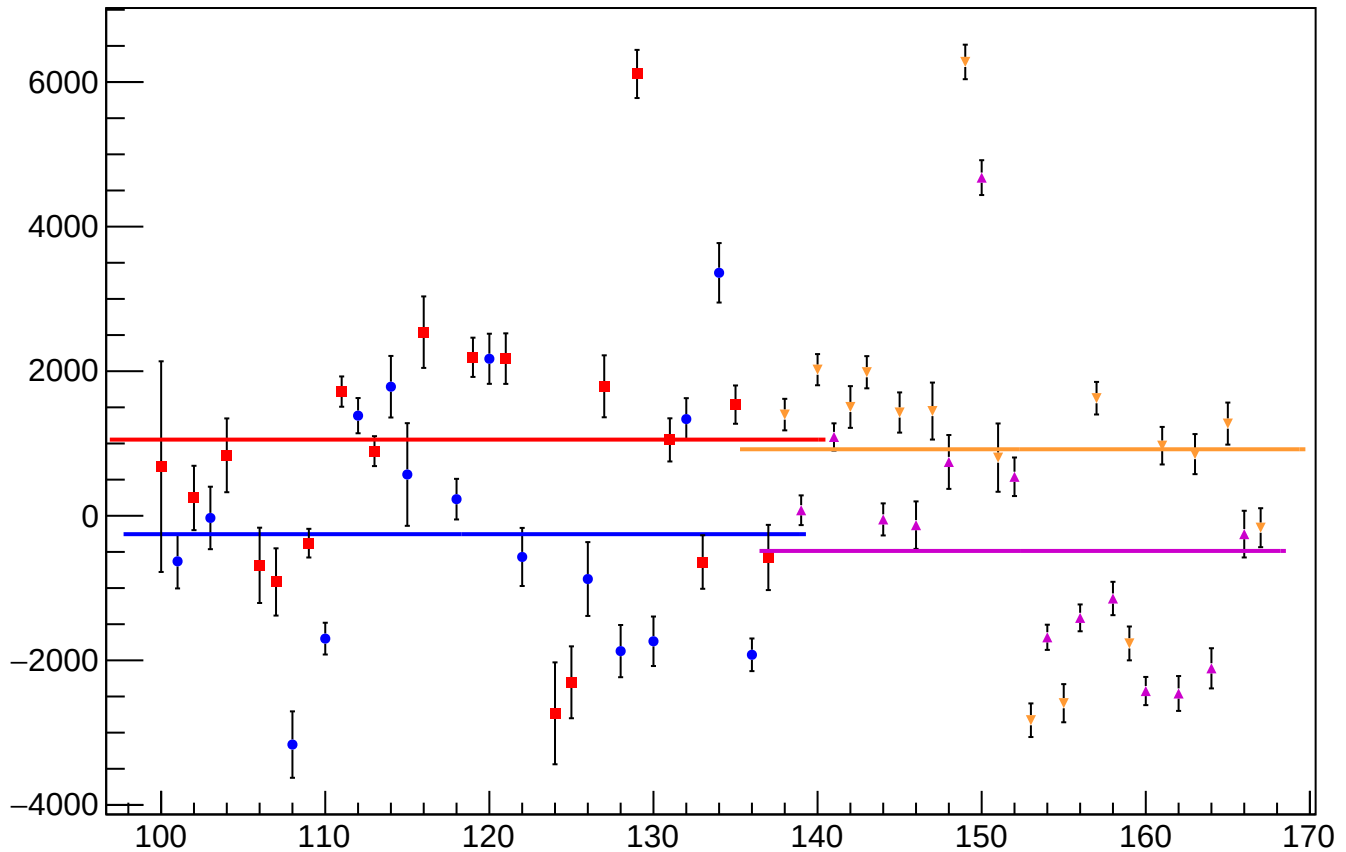
Left In: 190.838 $\pm$ 0.041 χ^2 /NDF: 824439.2/13

+ sign 210.596 $\pm$ 0.035 χ^2 /NDF: 1863468.0/31

All: 198.998 $\pm$ 0.024 χ^2 /NDF: 4381622.3/64

- sign 188.997 $\pm$ 0.032 χ^2 /NDF: 2311163.9/32

asym_bpm0l05WS_mean vs Slug



Right In: -254.470 ± 82.490 χ^2/NDF : 409.3/15

Left Out: 920.042 ± 64.510 χ^2/NDF : 1162.8/15

Right Out: 1053.731 ± 75.969 χ^2/NDF : 477.7/18

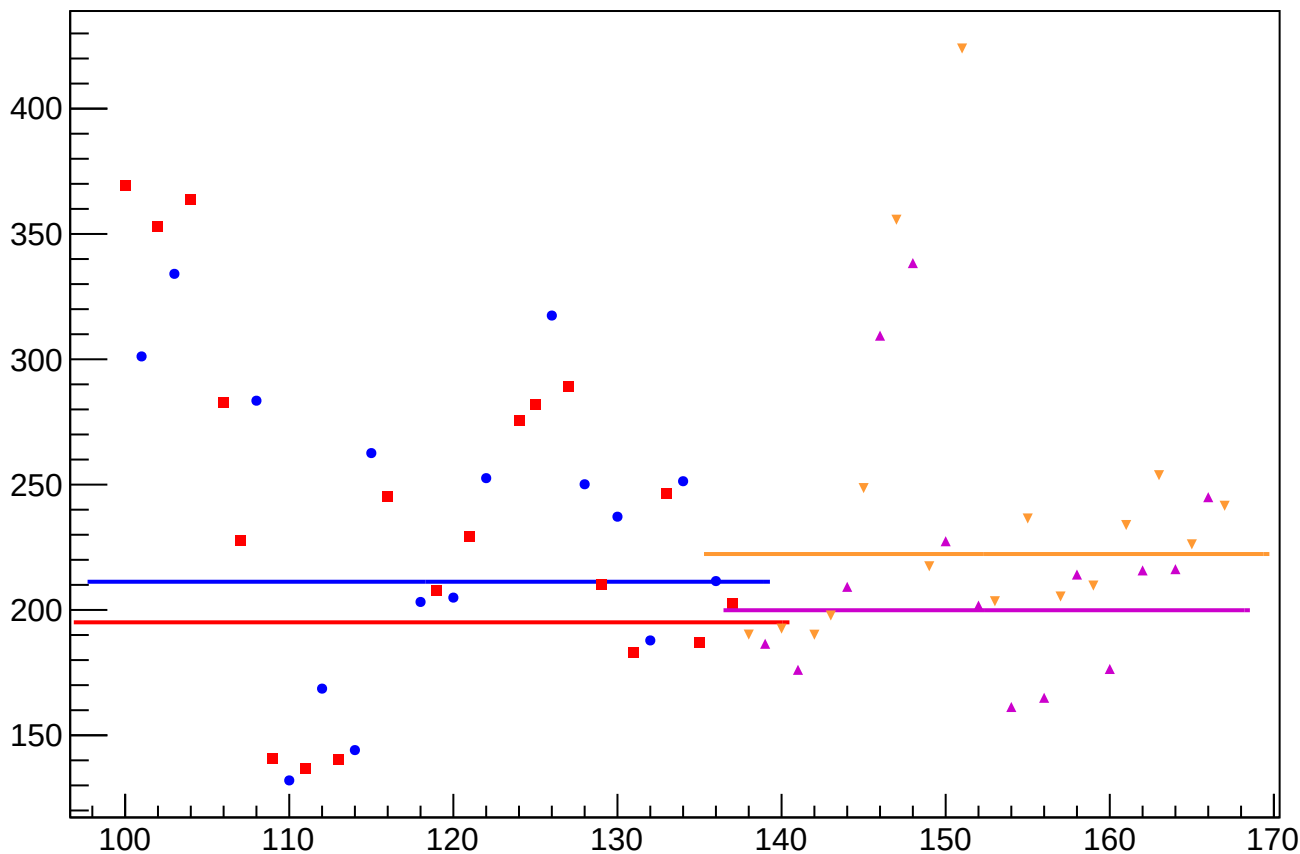
Left In: -486.357 ± 61.228 χ^2/NDF : 848.3/13

+ sign 474.323 ± 50.816 χ^2/NDF : 1697.8/31

All: 285.915 ± 34.768 χ^2/NDF : 3298.7/64

- sign 120.099 ± 47.672 χ^2/NDF : 1575.0/32

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF : 884363.6/15

Left Out: 222.313+/-0.046 χ^2/NDF : 819102.0/15

Right Out: 195.061+/-0.054 χ^2/NDF : 1284879.9/18

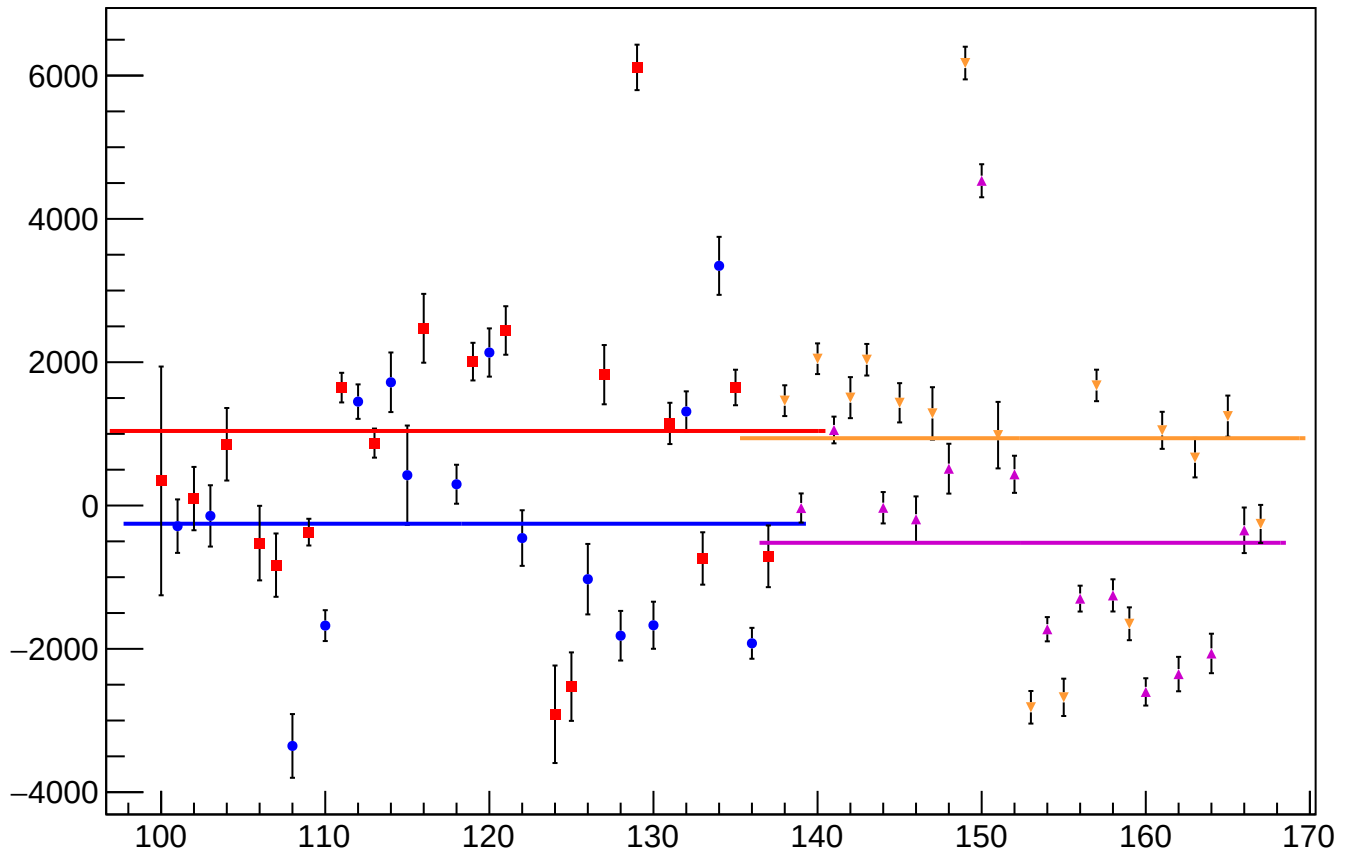
Left In: 199.885+/-0.043 χ^2/NDF : 828902.8/13

+ sign 218.116+/-0.036 χ^2/NDF : 1725772.5/31

All: 207.409+/-0.025 χ^2/NDF : 4011383.5/64

- sign 197.985+/-0.034 χ^2/NDF : 2118670.9/32

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF : 432.1/15

Left Out: 939.434+/-63.342 χ^2/NDF :1220.4/15

Right Out: 1040.361+/-73.363 χ^2/NDF : 533.4/18

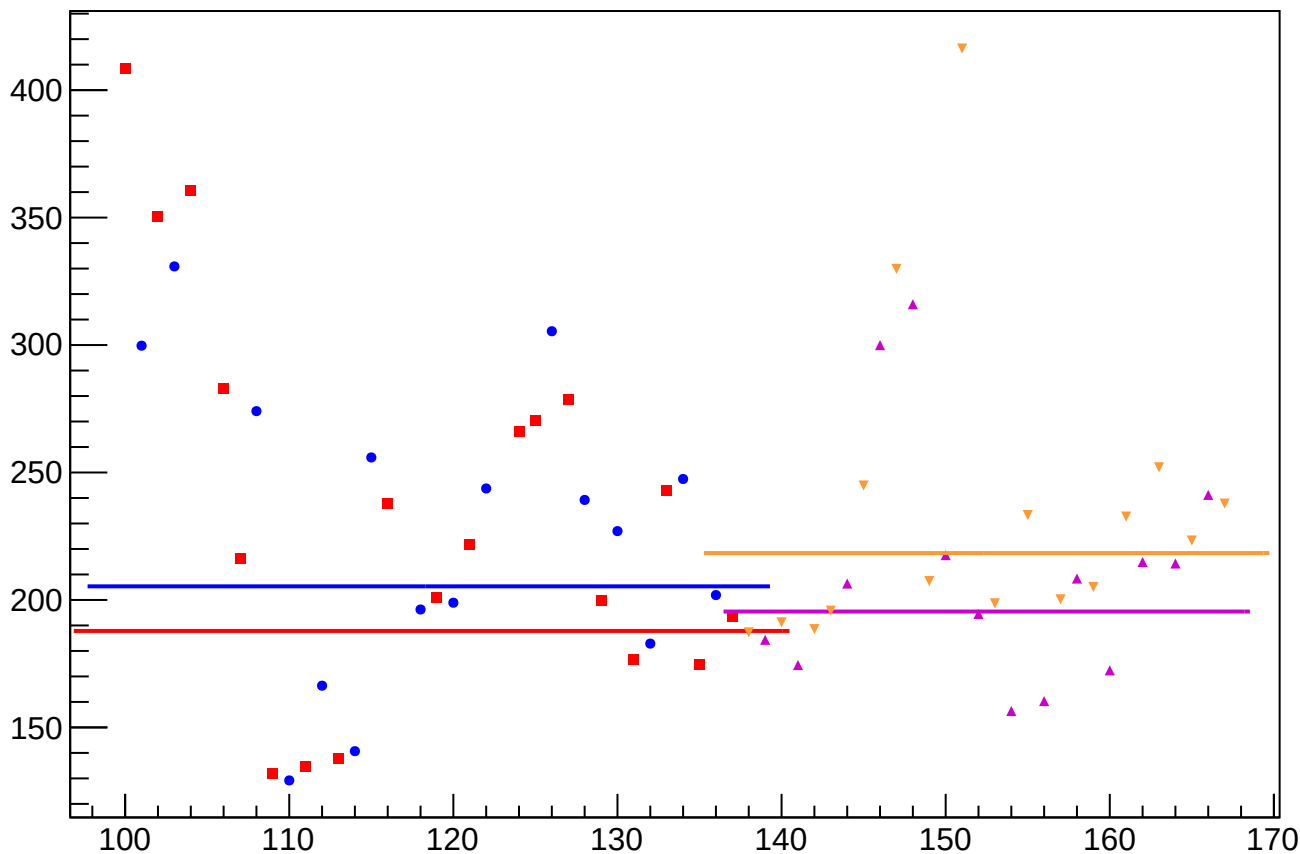
Left In: -520.081+/-59.867 χ^2/NDF :874.9/13

+ sign 481.116+/-49.713 χ^2/NDF : 1788.8/31

All: 279.330+/-33.914 χ^2/NDF : 3499.4/64

- sign 103.673+/-46.383 χ^2/NDF : 1679.9/32

asym_bpm0l06WS_rms vs Slug



Right In: 205.341 ± 0.057 $\chi^2/\text{NDF}: 877398.6/15$

Left Out: 218.400 ± 0.045 $\chi^2/\text{NDF}: 779296.5/15$

Right Out: 187.848 ± 0.052 $\chi^2/\text{NDF}: 1337049.4/18$

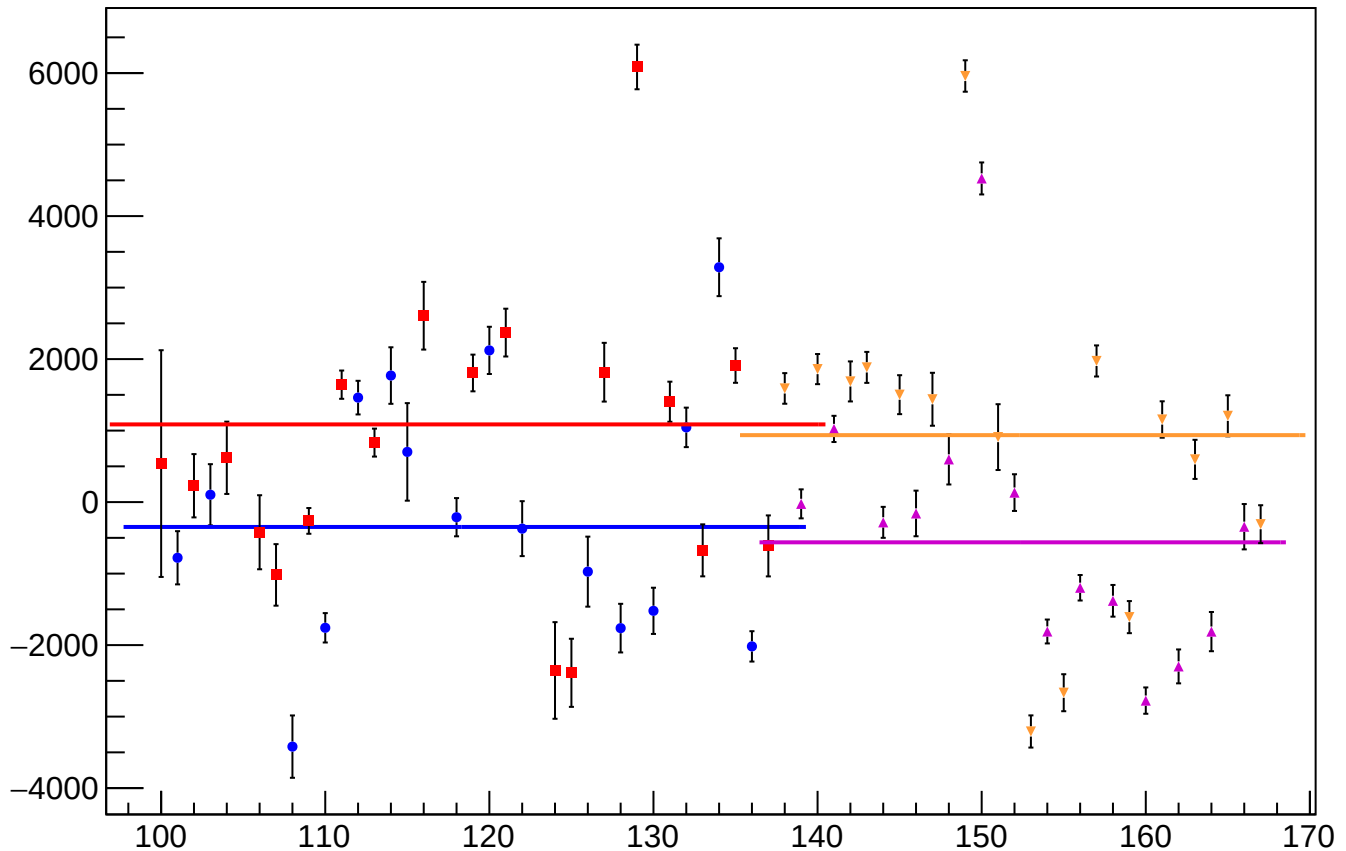
Left In: 195.458 ± 0.042 $\chi^2/\text{NDF}: 791404.2/13$

+ sign 213.385 ± 0.035 $\chi^2/\text{NDF}: 1689339.9/31$

All: 202.175 ± 0.024 $\chi^2/\text{NDF}: 4020939.4/64$

- sign 192.416 ± 0.033 $\chi^2/\text{NDF}: 2141371.8/32$

asym_bpm0l07WS_mean vs Slug



Right In: -347.666 ± 78.567 χ^2/NDF : 445.8/15

Left Out: 936.474 ± 62.572 χ^2/NDF : 1292.2/15

Right Out: 1086.638 ± 71.539 χ^2/NDF : 527.2/18

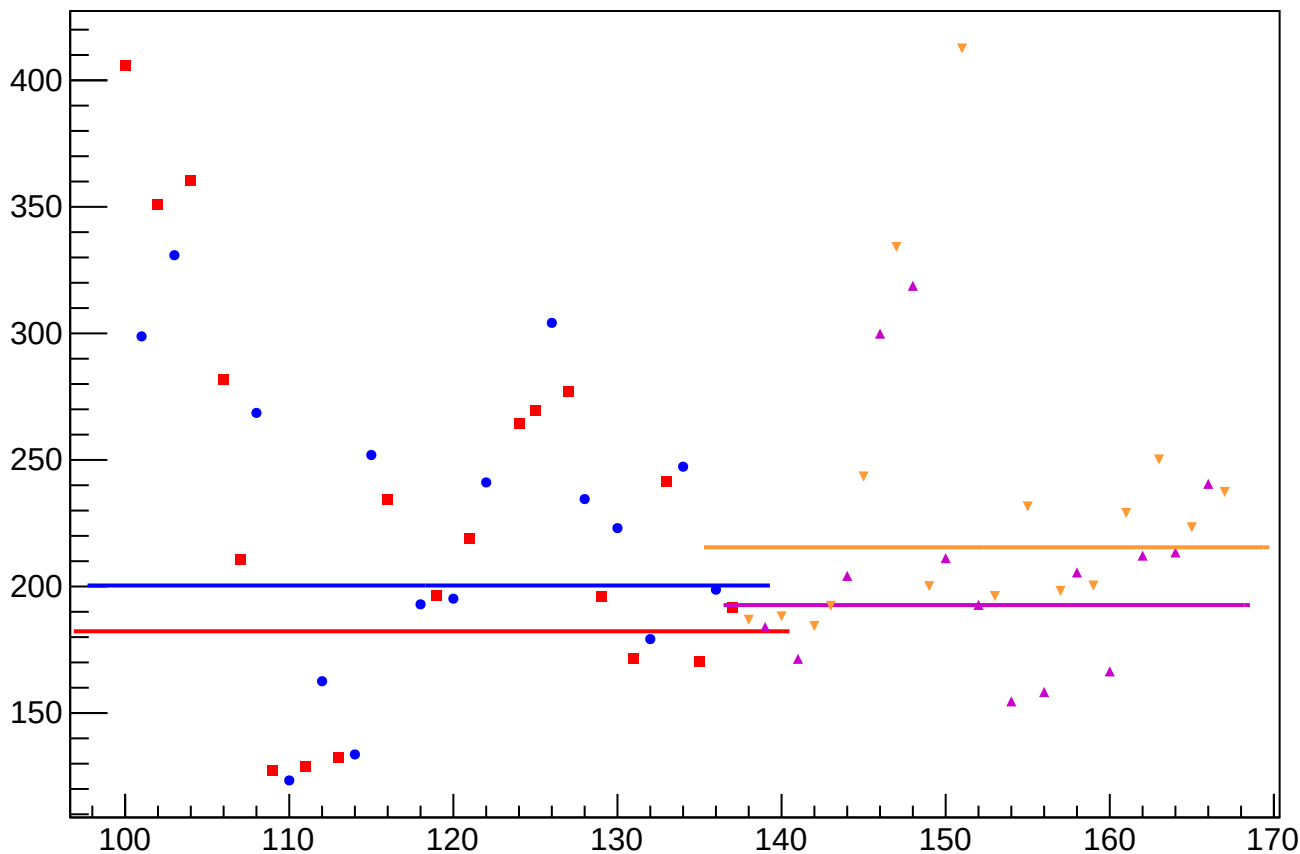
Left In: -562.587 ± 59.072 χ^2/NDF : 921.8/13

+ sign 438.087 ± 48.946 χ^2/NDF : 1901.4/31

All: 260.144 ± 33.345 χ^2/NDF : 3691.2/64

- sign 106.034 ± 45.550 χ^2/NDF : 1765.1/32

asym_bpm0l07WS_rms vs Slug



Right In: 200.399 $\pm$ 0.056 χ^2 /NDF: 959000.8/15

Left Out: 215.494 $\pm$ 0.044 χ^2 /NDF: 816885.2/15

Right Out: 182.302 $\pm$ 0.051 χ^2 /NDF: 1447197.0/18

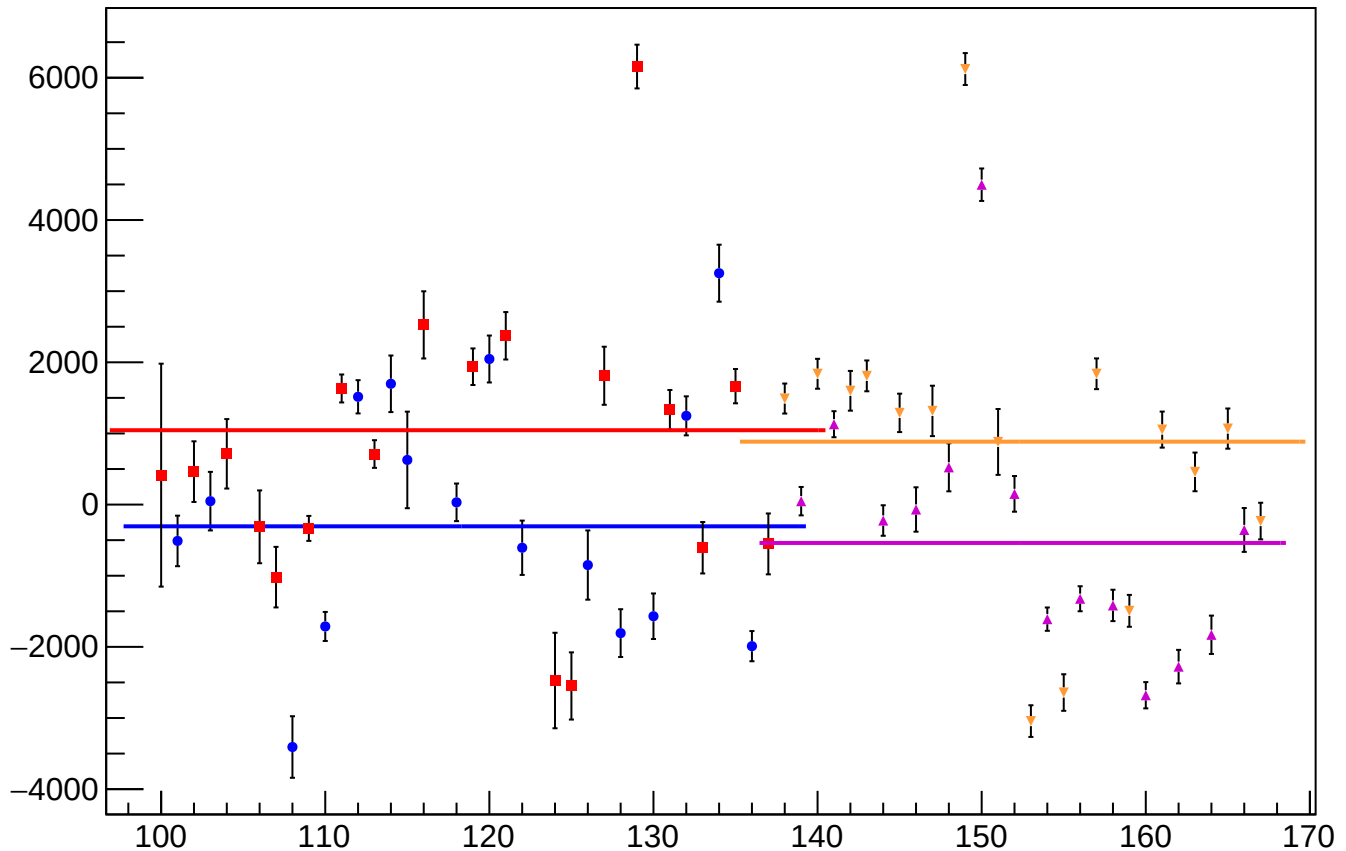
Left In: 192.661 $\pm$ 0.042 χ^2 /NDF: 829945.8/13

+ sign 209.635 $\pm$ 0.035 χ^2 /NDF: 1821062.3/31

All: 198.288 $\pm$ 0.024 χ^2 /NDF: 4323720.3/64

- sign 188.461 $\pm$ 0.032 χ^2 /NDF: 2302080.2/32

asym_bpm0l08WS_mean vs Slug



Right In: -305.649 ± 77.868 χ^2/NDF : 451.8/15

Left Out: 884.374 ± 62.158 χ^2/NDF : 1256.5/15

Right Out: 1045.144 ± 70.824 χ^2/NDF : 552.2/18

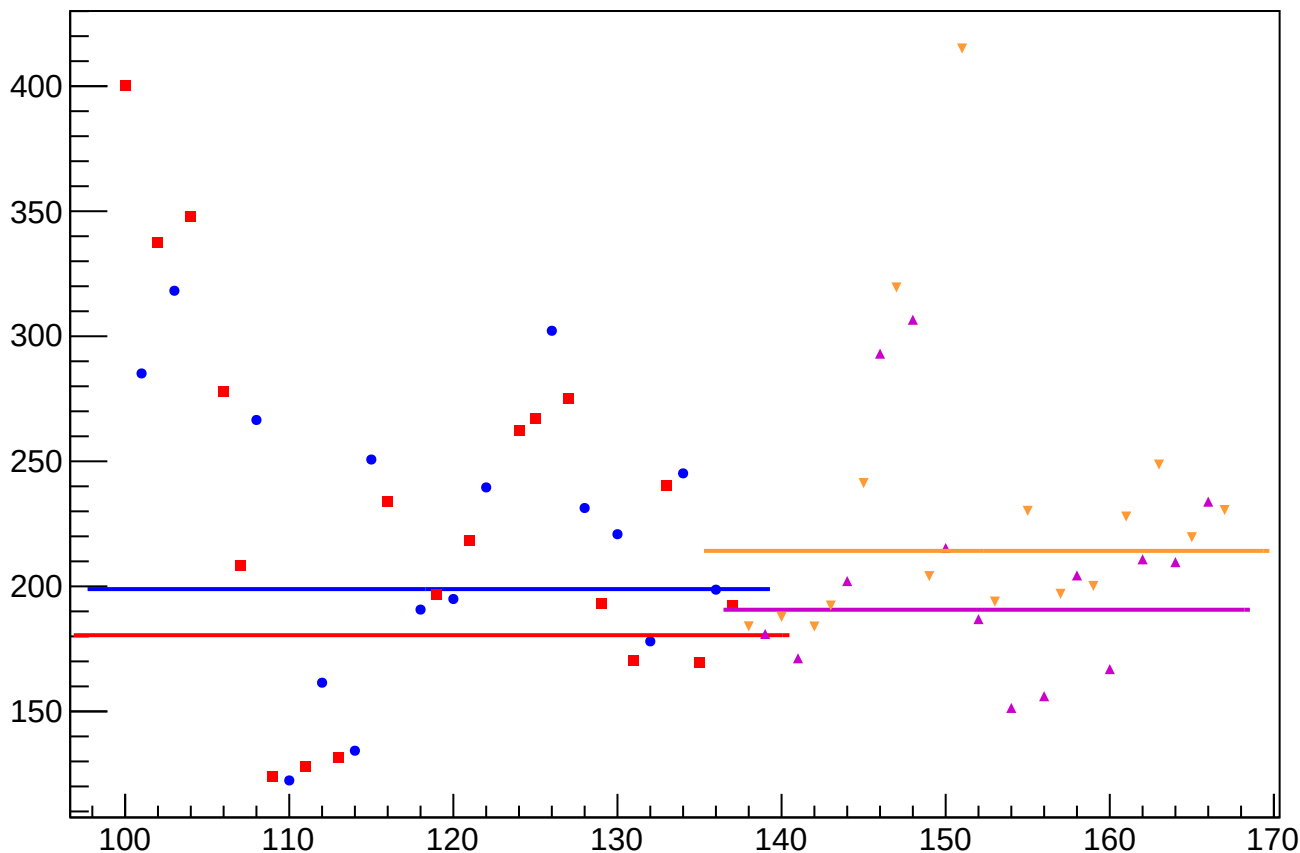
Left In: -539.290 ± 58.466 χ^2/NDF : 891.3/13

+ sign 421.217 ± 48.579 χ^2/NDF : 1850.9/31

All: 250.184 ± 33.047 χ^2/NDF : 3615.1/64

- sign 102.852 ± 45.087 χ^2/NDF : 1741.1/32

asym_bpm0l08WS_rms vs Slug



Right In: 198.903 $\pm$ 0.055 χ^2 /NDF: 912765.0/15

Left Out: 214.188 $\pm$ 0.044 χ^2 /NDF: 785782.8/15

Right Out: 180.473 $\pm$ 0.050 χ^2 /NDF: 1434435.8/18

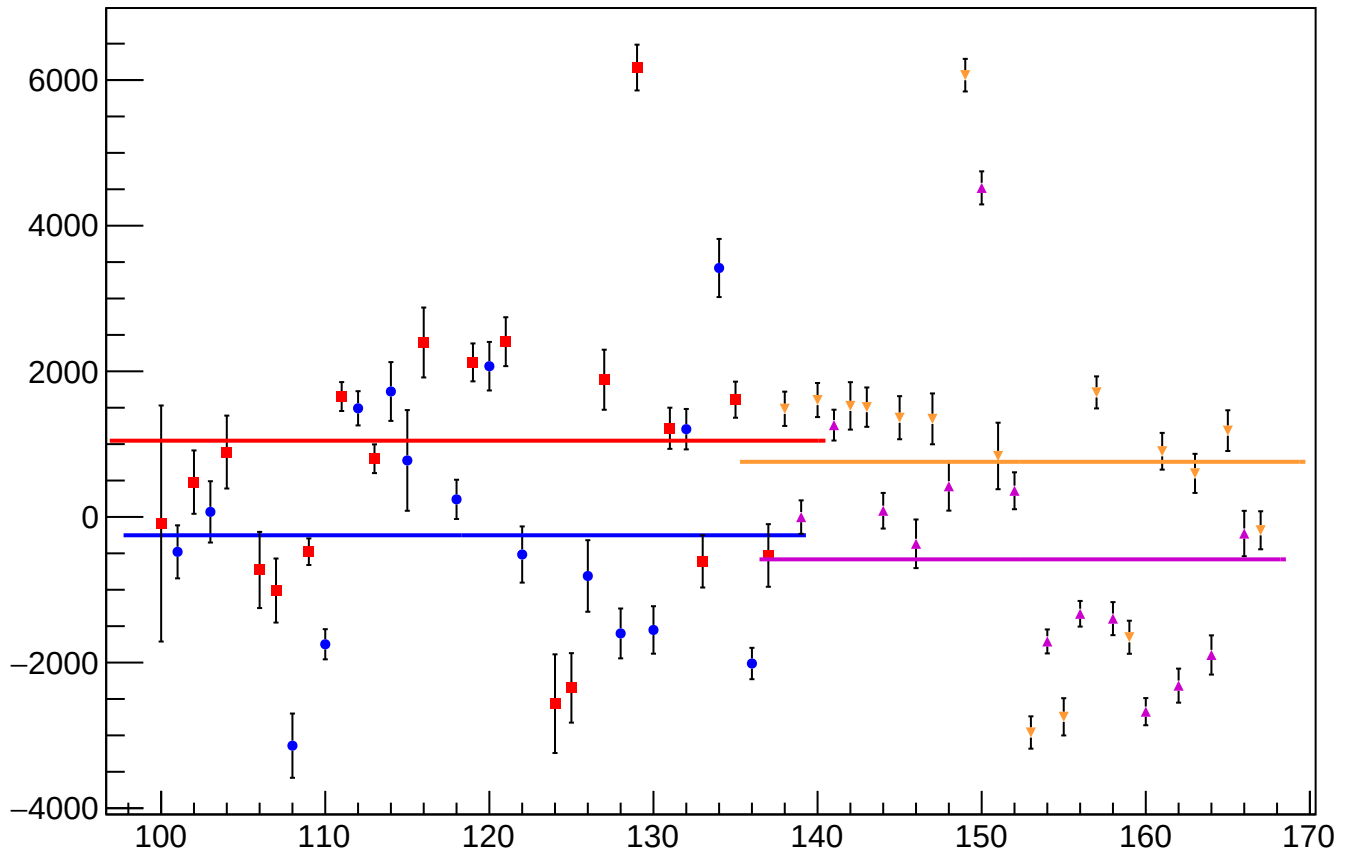
Left In: 190.655 $\pm$ 0.041 χ^2 /NDF: 804755.4/13

+ sign 208.239 $\pm$ 0.034 χ^2 /NDF: 1745618.5/31

All: 196.576 $\pm$ 0.023 χ^2 /NDF: 4223992.3/64

- sign 186.528 $\pm$ 0.032 χ^2 /NDF: 2263778.3/32

asym_bpm0l09WS_mean vs Slug



Right In: -251.795 ± 78.974 $\chi^2/\text{NDF}: 441.2/15$

Left Out: 757.117 ± 65.040 $\chi^2/\text{NDF}: 1220.8/15$

Right Out: 1047.132 ± 72.190 $\chi^2/\text{NDF}: 546.7/18$

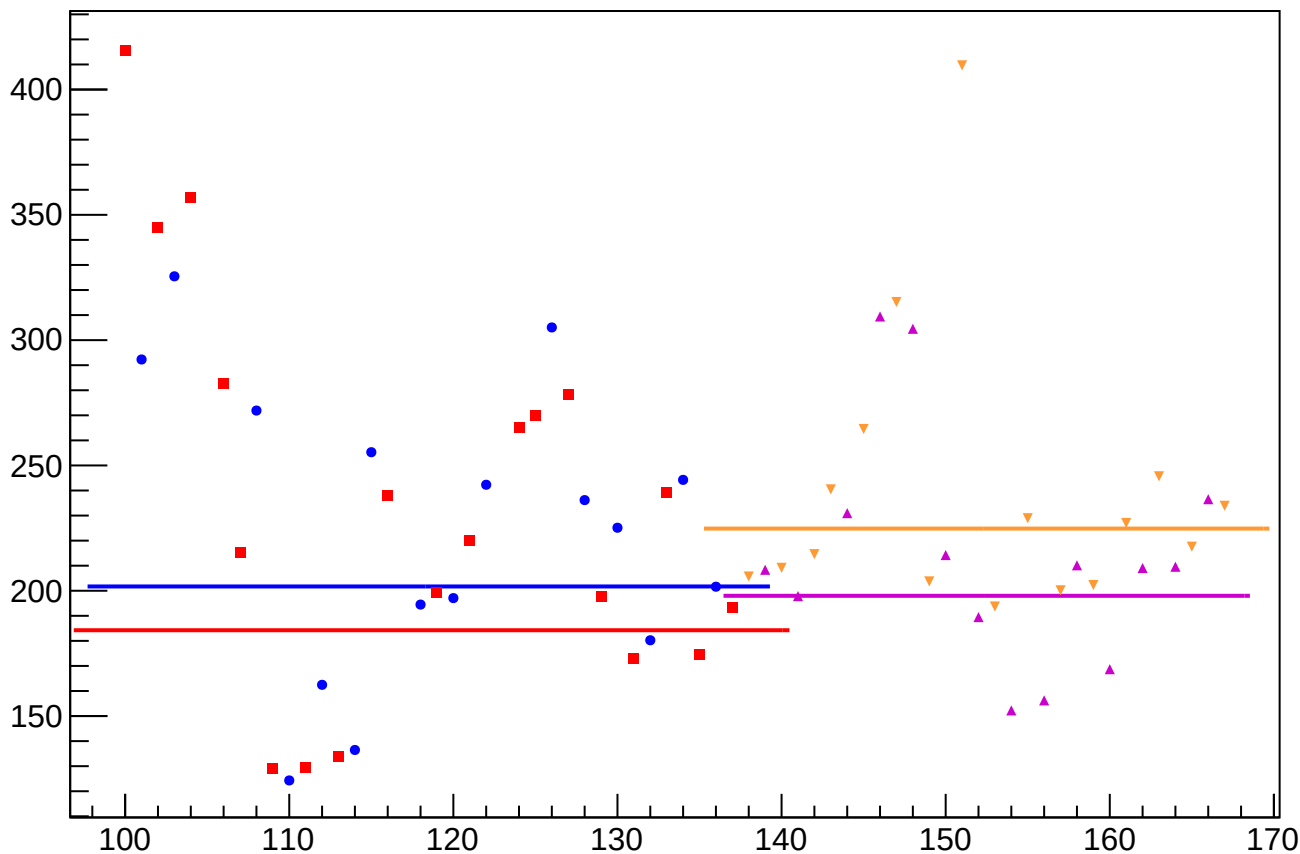
Left In: -582.489 ± 60.824 $\chi^2/\text{NDF}: 901.2/13$

+ sign 349.370 ± 50.206 $\chi^2/\text{NDF}: 1759.3/31$

All: 211.995 ± 34.121 $\chi^2/\text{NDF}: 3519.2/64$

- sign 94.078 ± 46.515 $\chi^2/\text{NDF}: 1746.0/32$

asym_bpm0l09WS_rms vs Slug



Right In: 201.714 $\pm$ 0.056 χ^2 /NDF: 924210.1/15

Left Out: 224.808 $\pm$ 0.046 χ^2 /NDF: 646686.6/15

Right Out: 184.244 $\pm$ 0.051 χ^2 /NDF: 1403761.8/18

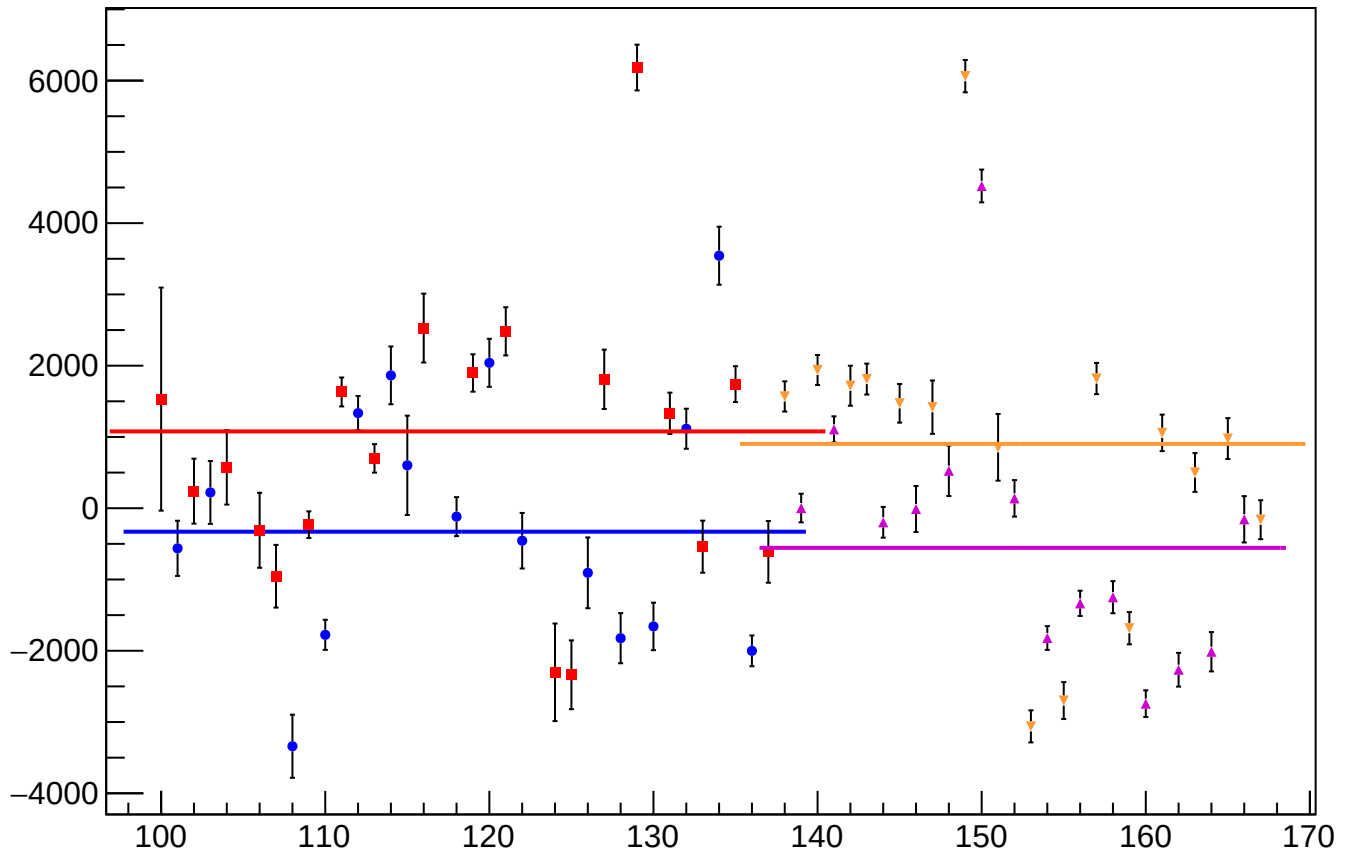
Left In: 197.988 $\pm$ 0.043 χ^2 /NDF: 837708.9/13

+ sign 215.474 $\pm$ 0.036 χ^2 /NDF: 1672807.3/31

All: 202.994 $\pm$ 0.024 χ^2 /NDF: 4186339.0/64

- sign 192.282 $\pm$ 0.033 χ^2 /NDF: 2283869.6/32

asym_bpm0l10WS_mean vs Slug



Right In: -329.377 ± 80.367 χ^2/NDF : 436.4/15

Left Out: 902.625 ± 62.891 χ^2/NDF : 1254.3/15

Right Out: 1077.876 ± 73.404 χ^2/NDF : 502.0/18

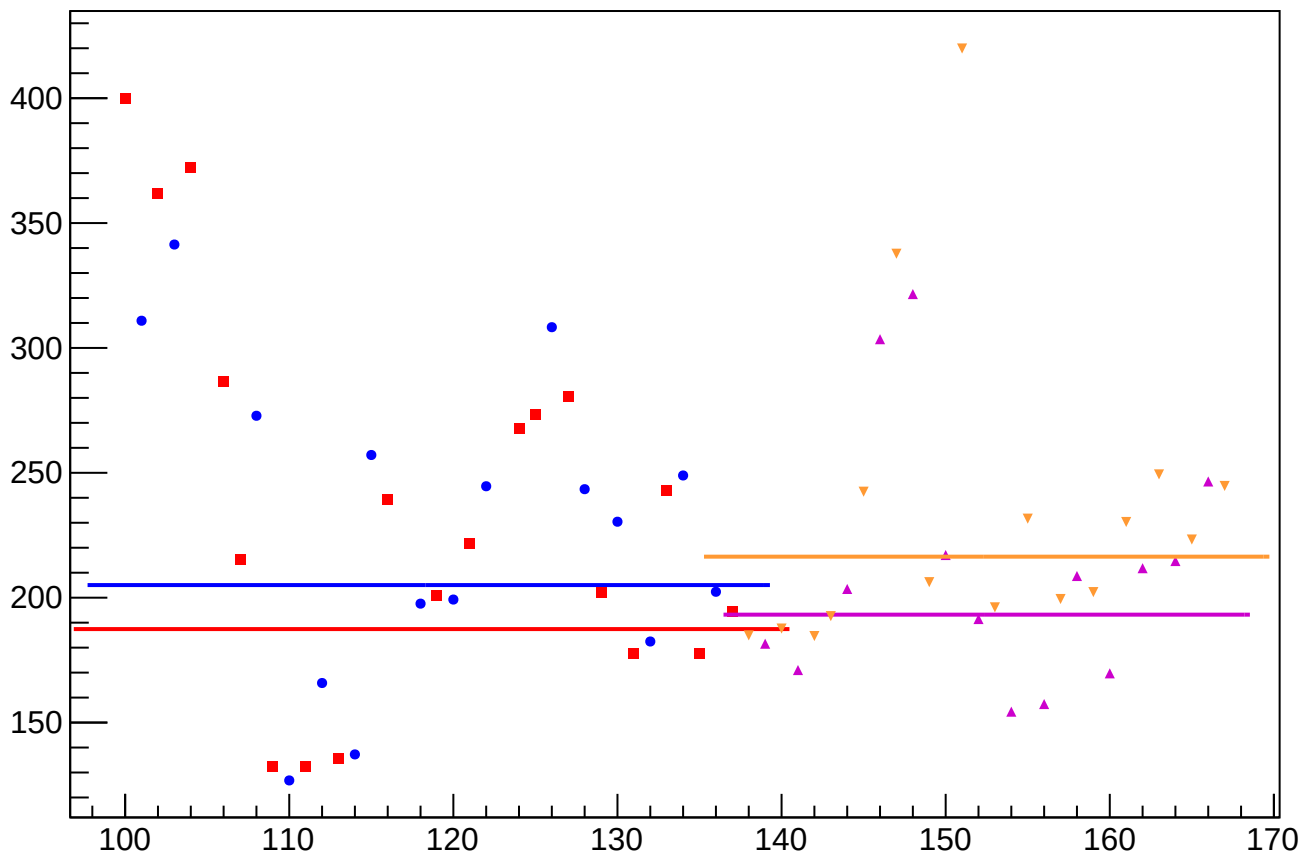
Left In: -556.070 ± 59.314 χ^2/NDF : 903.6/13

+ sign 434.713 ± 49.528 χ^2/NDF : 1836.4/31

All: 249.801 ± 33.758 χ^2/NDF : 3567.8/64

- sign 89.362 ± 46.135 χ^2/NDF : 1705.3/32

asym_bpm0l10WS_rms vs Slug



Right In: 205.053 $\pm$ 0.057 χ^2 /NDF: 963052.0/15

Left Out: 216.427 $\pm$ 0.044 χ^2 /NDF: 842583.9/15

Right Out: 187.431 $\pm$ 0.052 χ^2 /NDF: 1410802.2/18

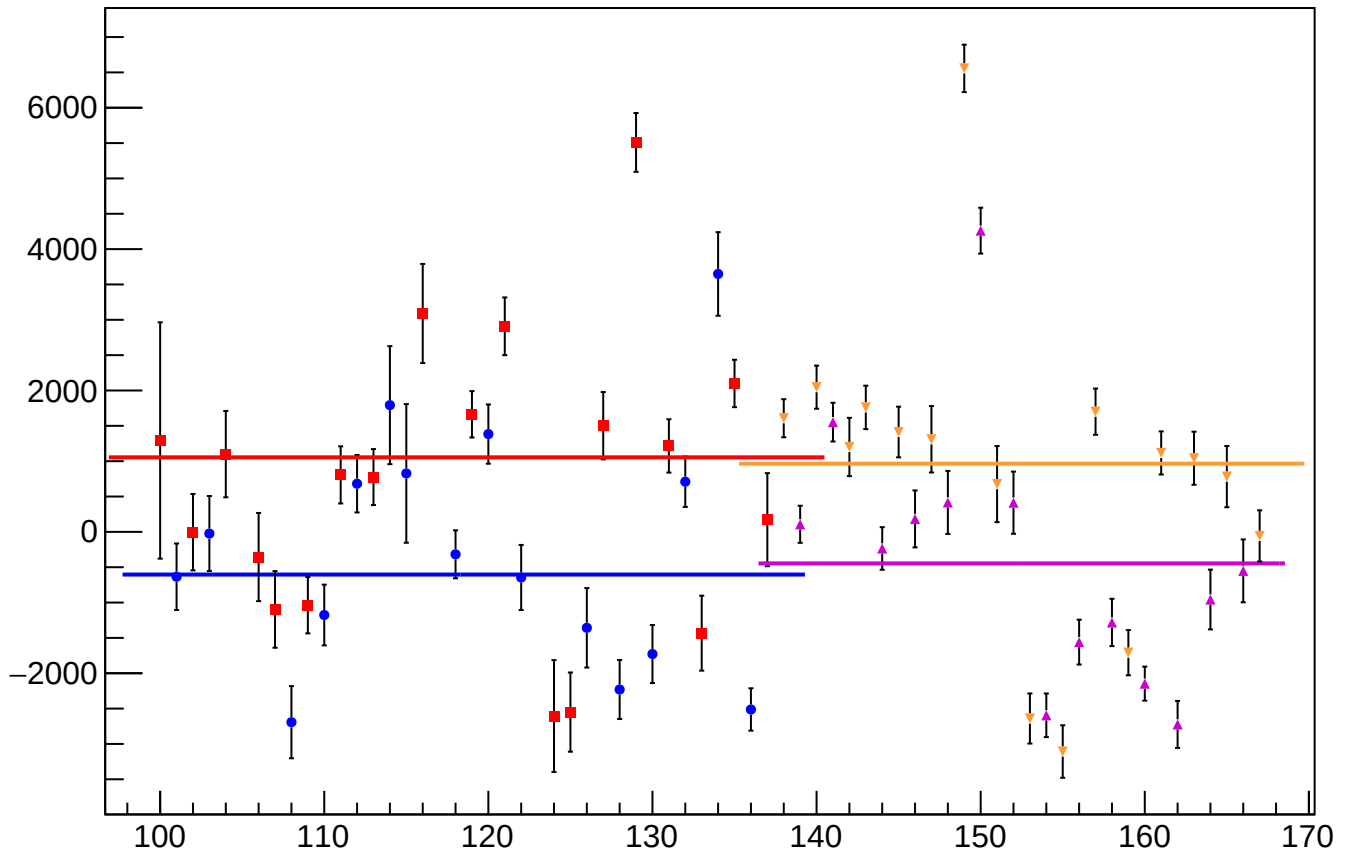
Left In: 193.205 $\pm$ 0.042 χ^2 /NDF: 867111.3/13

+ sign 212.107 $\pm$ 0.035 χ^2 /NDF: 1830481.7/31

All: 200.765 $\pm$ 0.024 χ^2 /NDF: 4311762.5/64

- sign 190.924 $\pm$ 0.033 χ^2 /NDF: 2285399.8/32

asym_bpm0r03WS_mean vs Slug



Right In: -603.855 ± 110.693 $\chi^2/\text{NDF}: 193.5/15$

Left Out: 965.116 ± 87.432 $\chi^2/\text{NDF}: 612.7/15$

Right Out: 1054.556 ± 108.264 $\chi^2/\text{NDF}: 297.7/18$

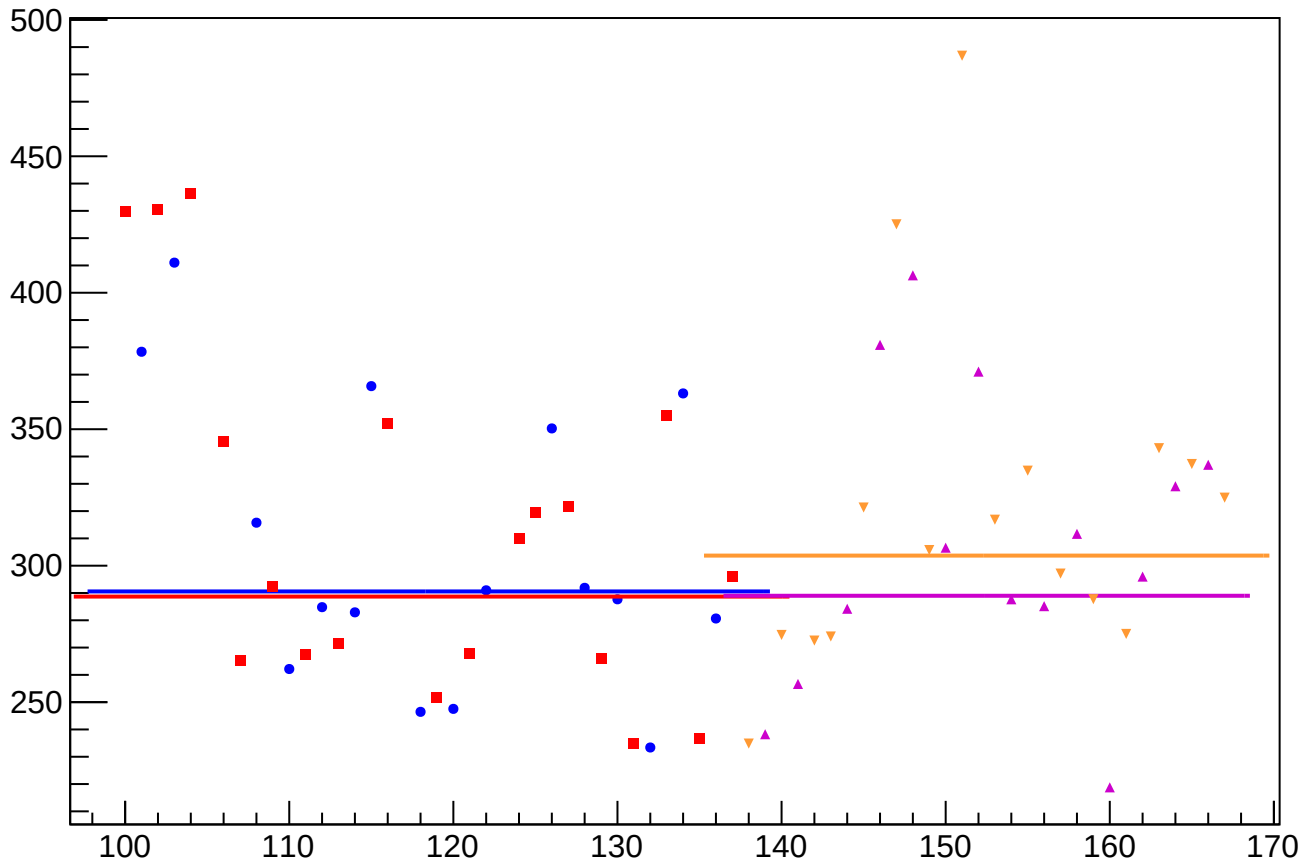
Left In: -446.195 ± 87.351 $\chi^2/\text{NDF}: 443.9/13$

+ sign 362.333 ± 68.611 $\chi^2/\text{NDF}: 929.9/31$

All: 252.947 ± 48.291 $\chi^2/\text{NDF}: 1793.0/64$

- sign 145.554 ± 67.983 $\chi^2/\text{NDF}: 858.0/32$

asym_bpm0r03WS_rms vs Slug



Right In: 290.566 $\pm$ 0.078 χ^2 /NDF: 359807.1/15

Left Out: 303.699 $\pm$ 0.062 χ^2 /NDF: 629991.5/15

Right Out: 288.686 $\pm$ 0.077 χ^2 /NDF: 489094.8/18

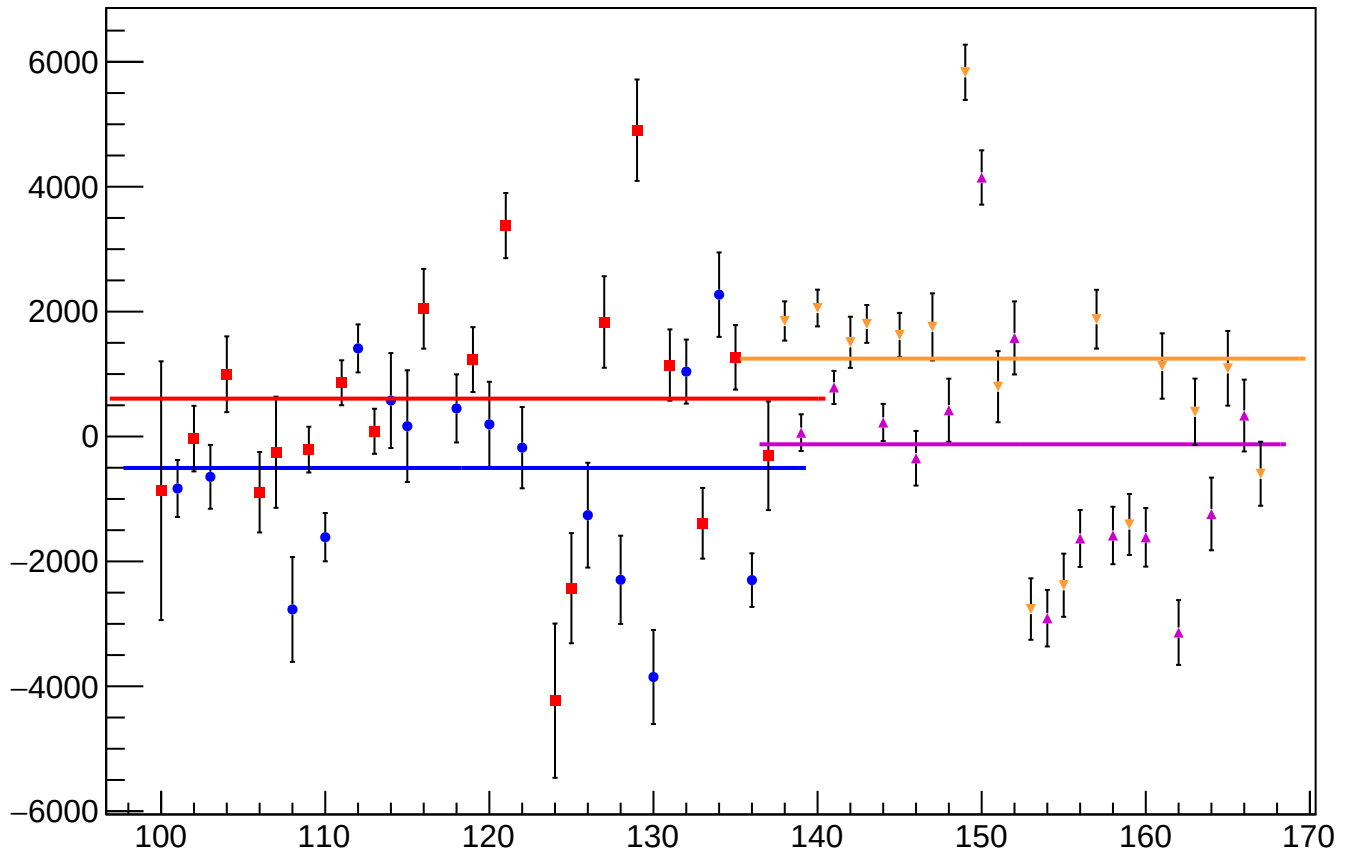
Left In: 288.982 $\pm$ 0.062 χ^2 /NDF: 643121.1/13

+ sign 298.653 $\pm$ 0.049 χ^2 /NDF: 1007133.4/31

All: 293.714 $\pm$ 0.034 χ^2 /NDF: 2159898.2/64

- sign 288.865 $\pm$ 0.048 χ^2 /NDF: 1132225.0/32

asym_bpm0r05WS_mean vs Slug



Right In: -503.675 ± 140.058 $\chi^2/\text{NDF}: 118.2/15$

Left Out: 1247.358 ± 106.148 $\chi^2/\text{NDF}: 290.0/15$

Right Out: 606.880 ± 129.609 $\chi^2/\text{NDF}: 125.1/18$

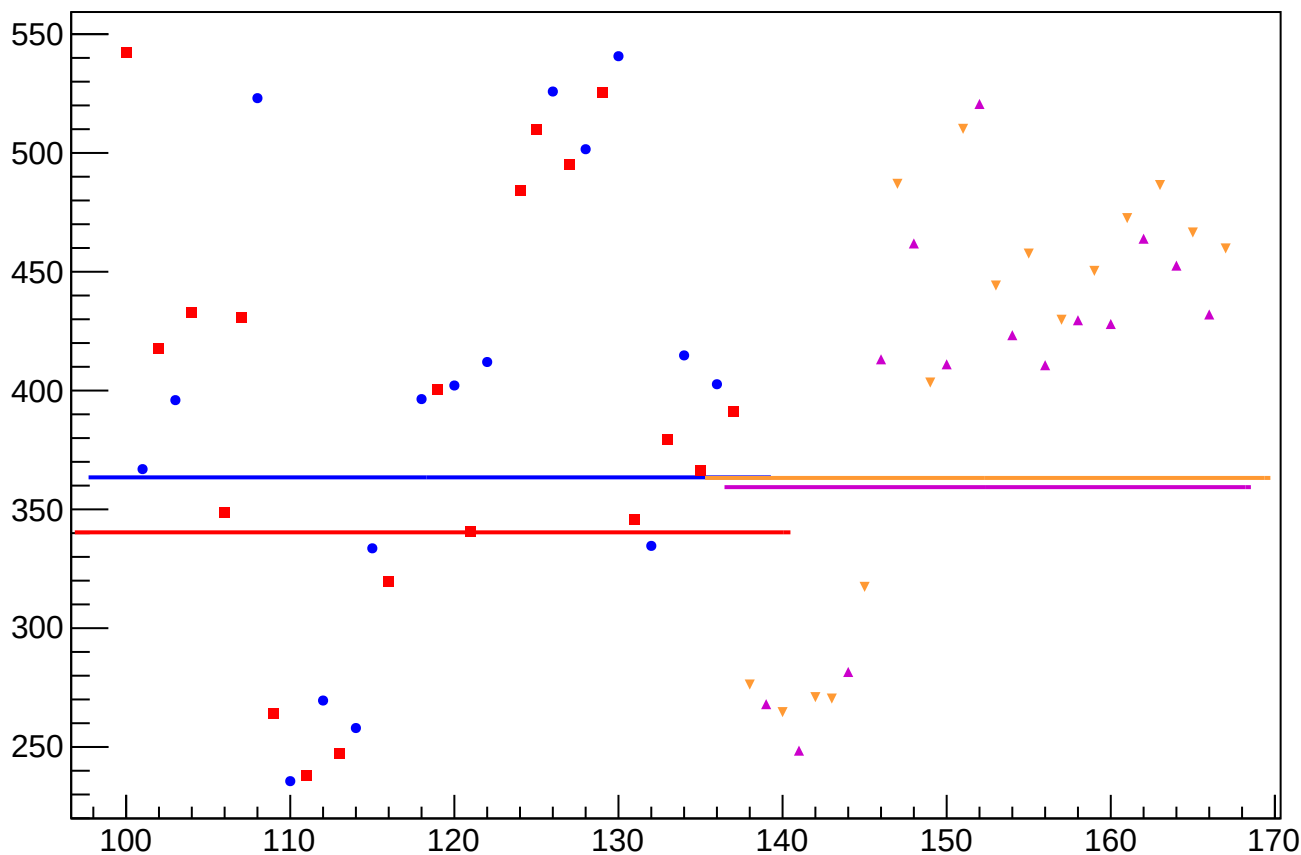
Left In: -124.651 ± 109.700 $\chi^2/\text{NDF}: 226.9/13$

+ sign 608.518 ± 84.597 $\chi^2/\text{NDF}: 507.6/31$

All: 392.401 ± 59.512 $\chi^2/\text{NDF}: 891.1/64$

- sign 180.675 ± 83.733 $\chi^2/\text{NDF}: 370.6/32$

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF : 780893.2/15

Left Out: 363.230+/-0.075 χ^2/NDF :1510071.8/15

Right Out: 340.332+/-0.092 χ^2/NDF : 856230.3/18

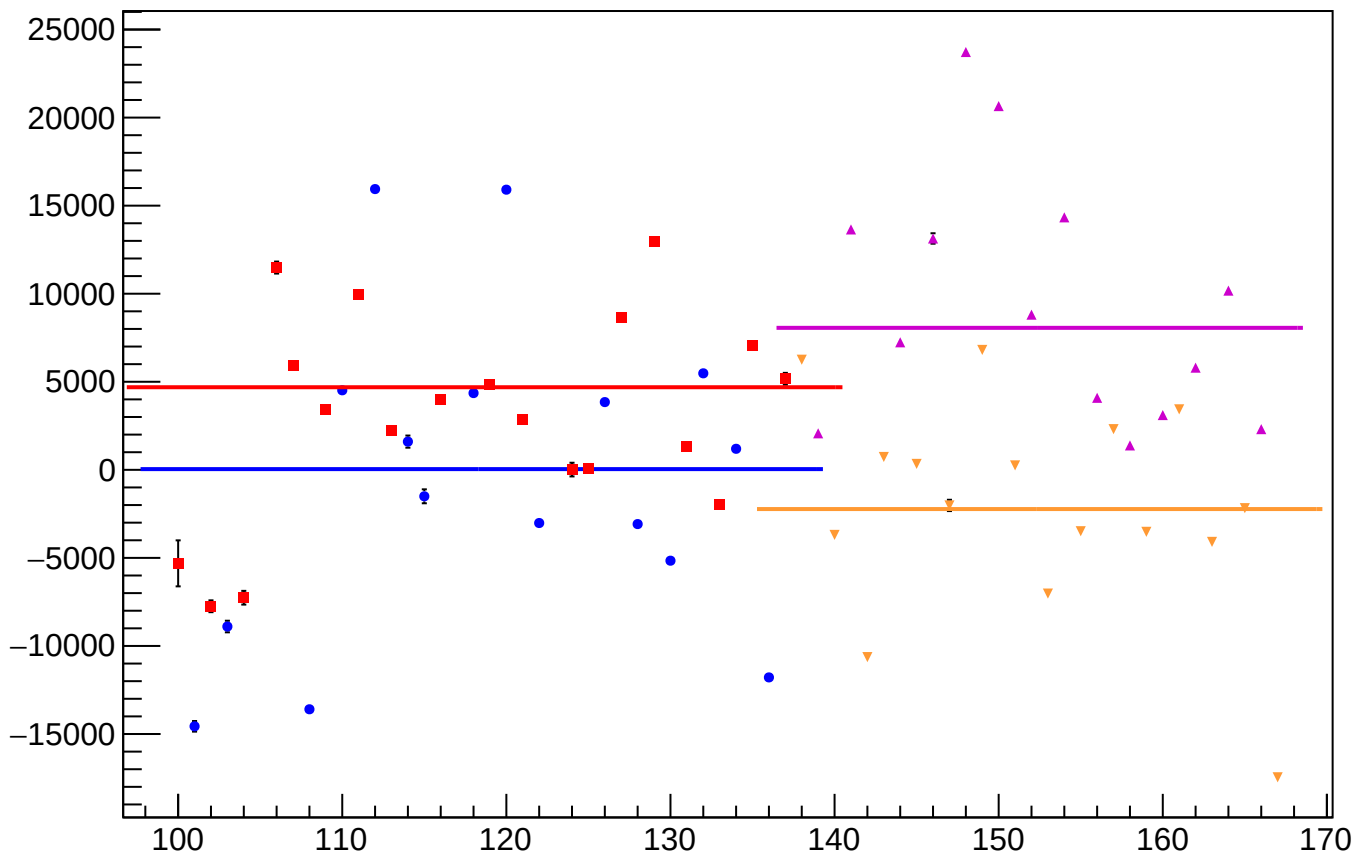
Left In: 359.356+/-0.078 χ^2/NDF :1292055.0/13

+ sign 363.318+/-0.060 χ^2/NDF : 2290968.7/31

All: 357.306+/-0.042 χ^2/NDF : 4484355.0/64

- sign 351.416+/-0.059 χ^2/NDF : 2173388.5/32

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF :13950.0/15

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

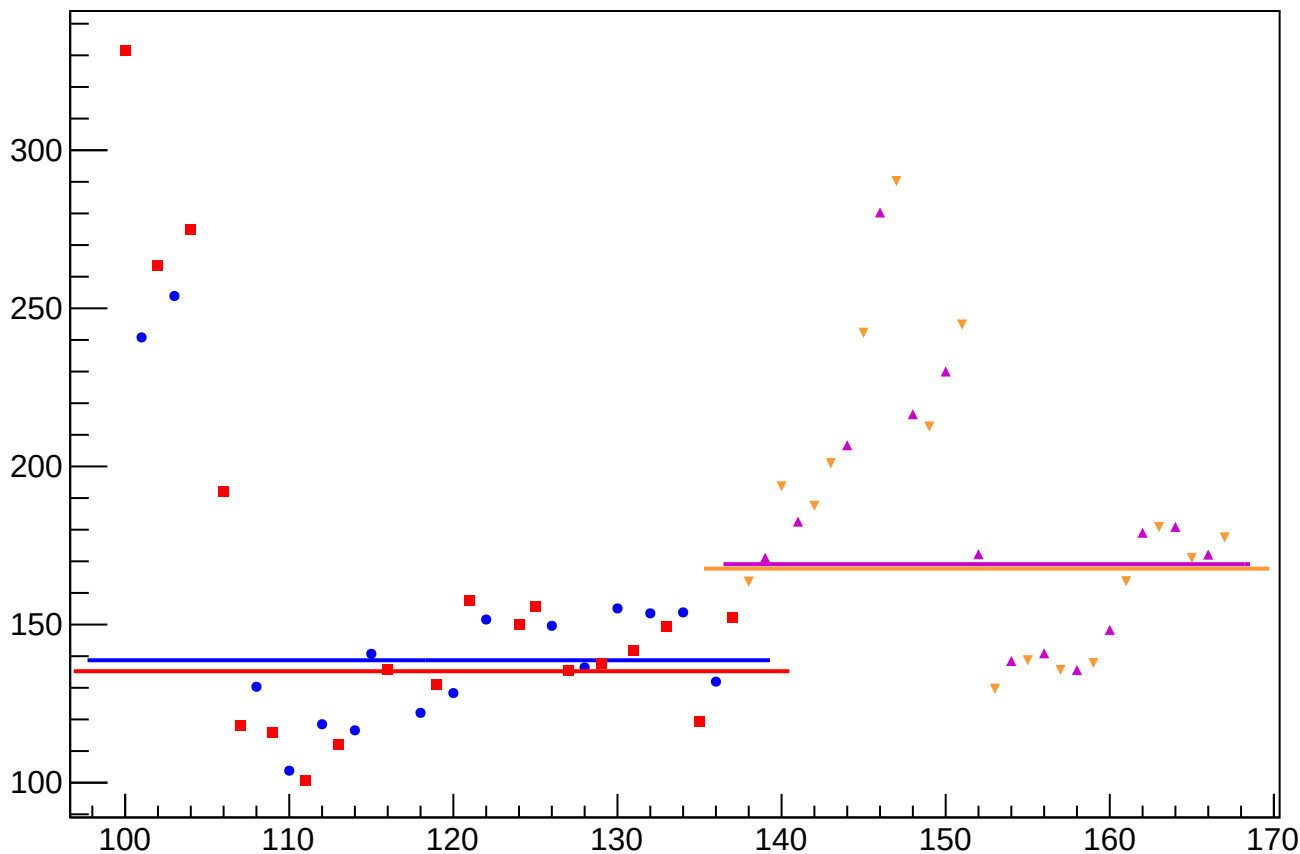
Left In: 8062.432+/-51.817 χ^2/NDF :15120.7/13

+ sign -1209.454+/-36.307 χ^2/NDF : 45701.8/31

All: 2543.047+/-25.824 χ^2/NDF : 92343.9/64

- sign 6385.092+/-36.738 χ^2/NDF : 25023.3/32

asym_bpm0i02WS_rms vs Slug



Right In: 138.712 $\pm$ 0.038 χ^2 /NDF: 657791.3/15

Left Out: 167.683 $\pm$ 0.035 χ^2 /NDF:1142937.2/15

Right Out: 135.245 $\pm$ 0.037 χ^2 /NDF: 890024.8/18

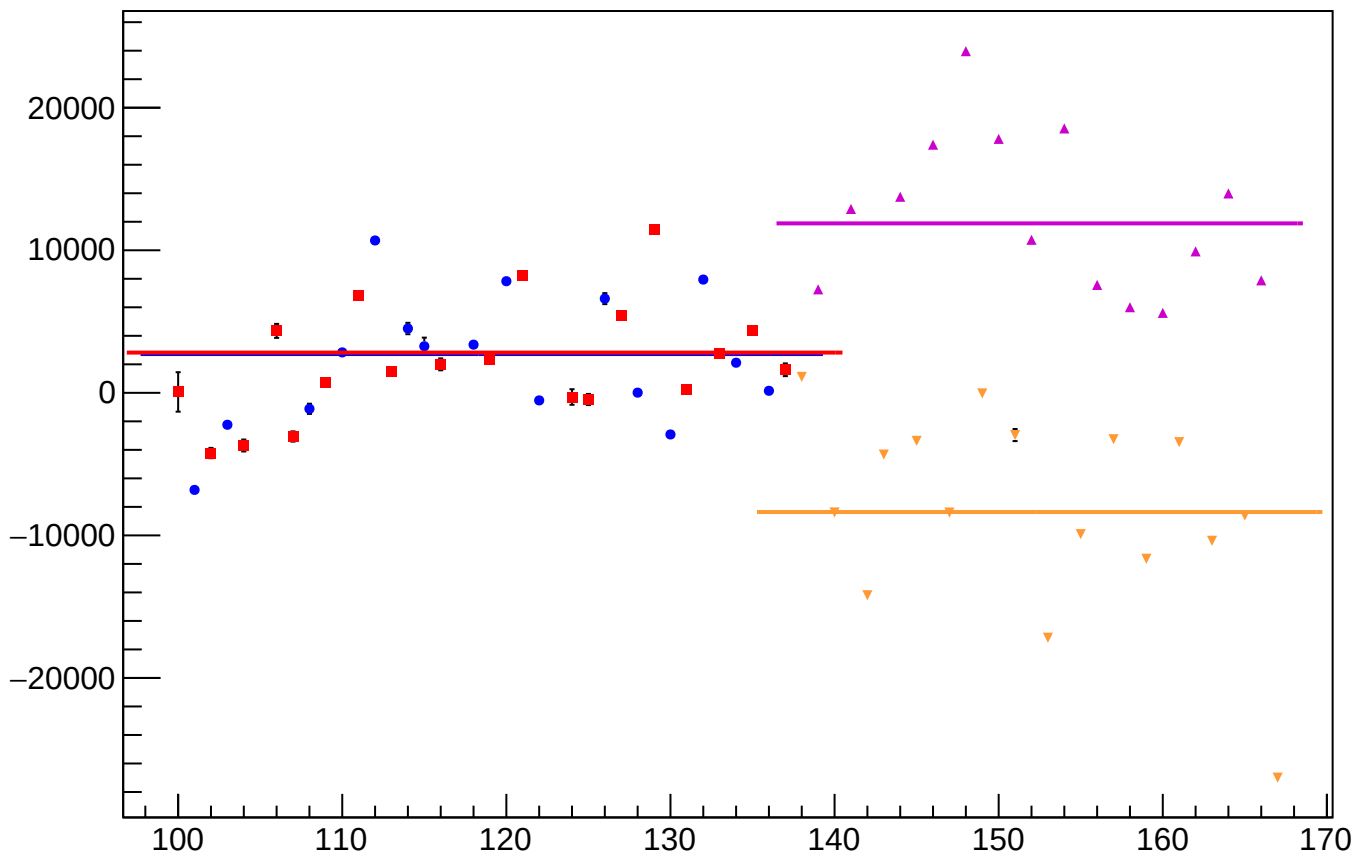
Left In: 169.100 $\pm$ 0.037 χ^2 /NDF:846140.1/13

+ sign 154.682 $\pm$ 0.026 χ^2 /NDF: 2115726.4/31

All: 153.487 $\pm$ 0.018 χ^2 /NDF: 4280859.1/64

- sign 152.263 $\pm$ 0.026 χ^2 /NDF: 2160747.5/32

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896 $\pm$ 69.247 χ^2 /NDF: 4129.3/15

Left Out: -8360.995 $\pm$ 57.492 χ^2 /NDF:15638.3/15

Right Out: 2823.679 $\pm$ 64.850 χ^2 /NDF: 3062.8/18

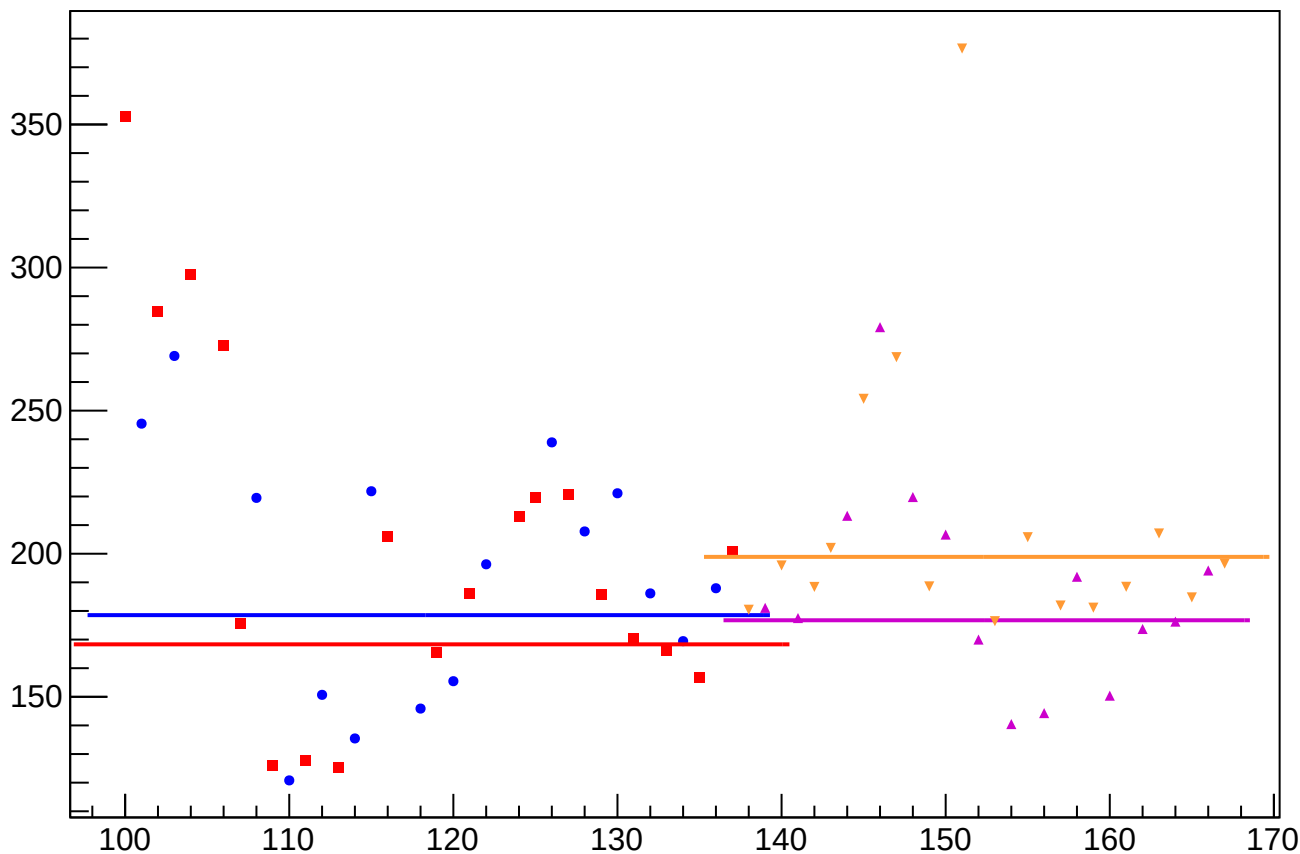
Left In: 11887.237 $\pm$ 54.038 χ^2 /NDF:9454.8/13

+ sign -3839.564 $\pm$ 44.233 χ^2 /NDF: 34925.6/31

All: 2547.288 $\pm$ 30.271 χ^2 /NDF: 98183.9/64

- sign 8172.999 $\pm$ 41.514 χ^2 /NDF: 24046.2/32

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541 ± 0.049 χ^2/NDF : 674566.0/15

Left Out: 198.898 ± 0.041 χ^2/NDF : 633316.9/15

Right Out: 168.335 ± 0.046 χ^2/NDF : 979485.9/18

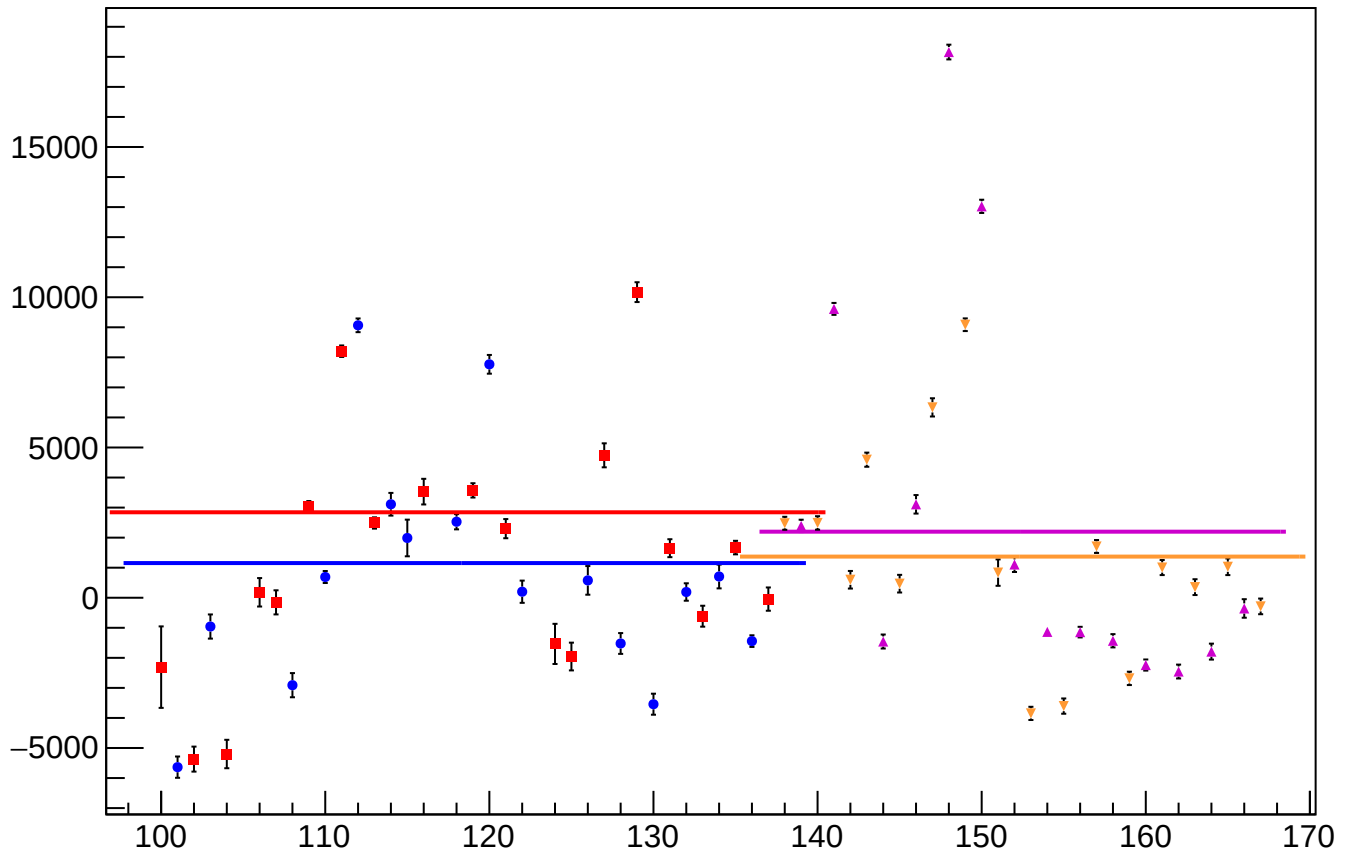
Left In: 176.746 ± 0.038 χ^2/NDF : 657381.7/13

+ sign 190.592 ± 0.031 χ^2/NDF : 1410204.3/31

All: 181.398 ± 0.021 χ^2/NDF : 3229451.3/64

- sign 173.299 ± 0.029 χ^2/NDF : 1656724.8/32

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823 $\pm$ 75.957 χ^2/NDF : 2655.3/15

Left Out: 1369.543 $\pm$ 62.355 χ^2/NDF : 3202.2/15

Right Out: 2843.895 $\pm$ 69.139 χ^2/NDF : 2453.1/18

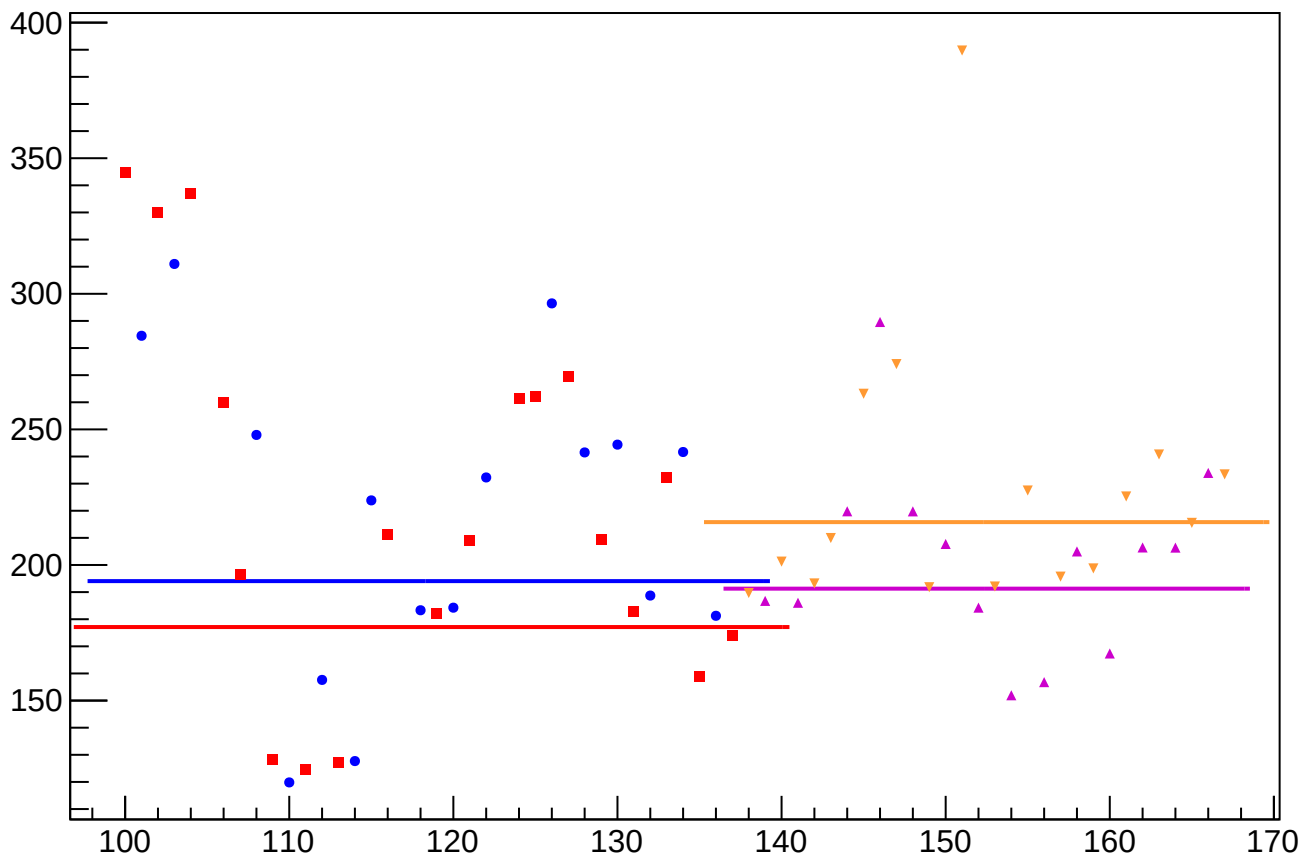
Left In: 2198.395 $\pm$ 58.383 χ^2/NDF : 10626.1/13

+ sign 1282.695 $\pm$ 48.195 χ^2/NDF : 5862.3/31

All: 1920.618 $\pm$ 32.737 χ^2/NDF : 19317.7/64

- sign 2467.083 $\pm$ 44.607 χ^2/NDF : 13130.1/32

asym_bpm0i05WS_rms vs Slug



Right In: 194.053 ± 0.054 $\chi^2/\text{NDF}: 965786.1/15$

Left Out: 215.809 ± 0.044 $\chi^2/\text{NDF}: 602294.4/15$

Right Out: 177.115 ± 0.049 $\chi^2/\text{NDF}: 1359345.8/18$

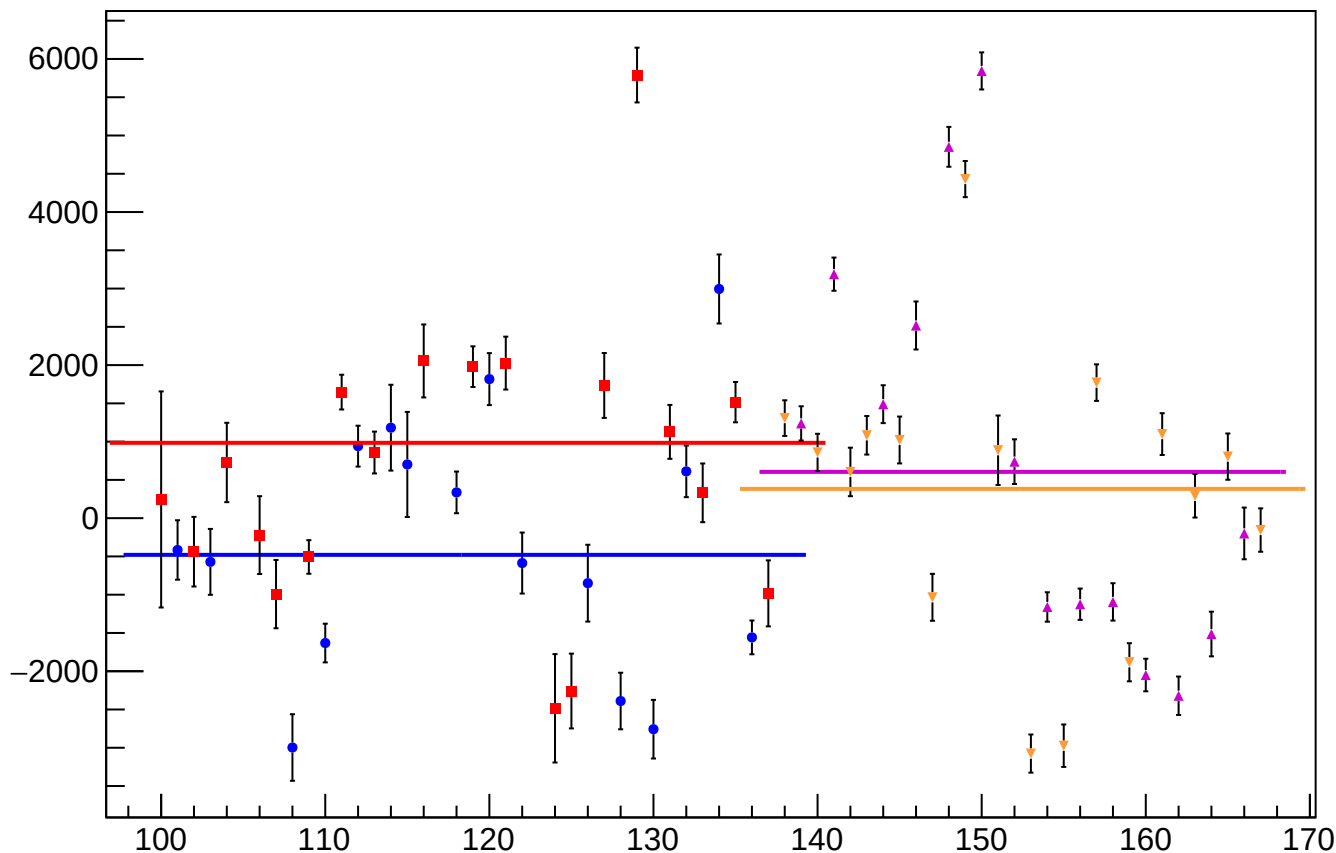
Left In: 191.273 ± 0.041 $\chi^2/\text{NDF}: 560656.9/13$

+ sign 207.050 ± 0.034 $\chi^2/\text{NDF}: 1666099.8/31$

All: 195.378 ± 0.023 $\chi^2/\text{NDF}: 3852841.3/64$

- sign 185.380 ± 0.032 $\chi^2/\text{NDF}: 1968959.1/32$

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 382.958 ± 67.880 χ^2/NDF : 816.5/15

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

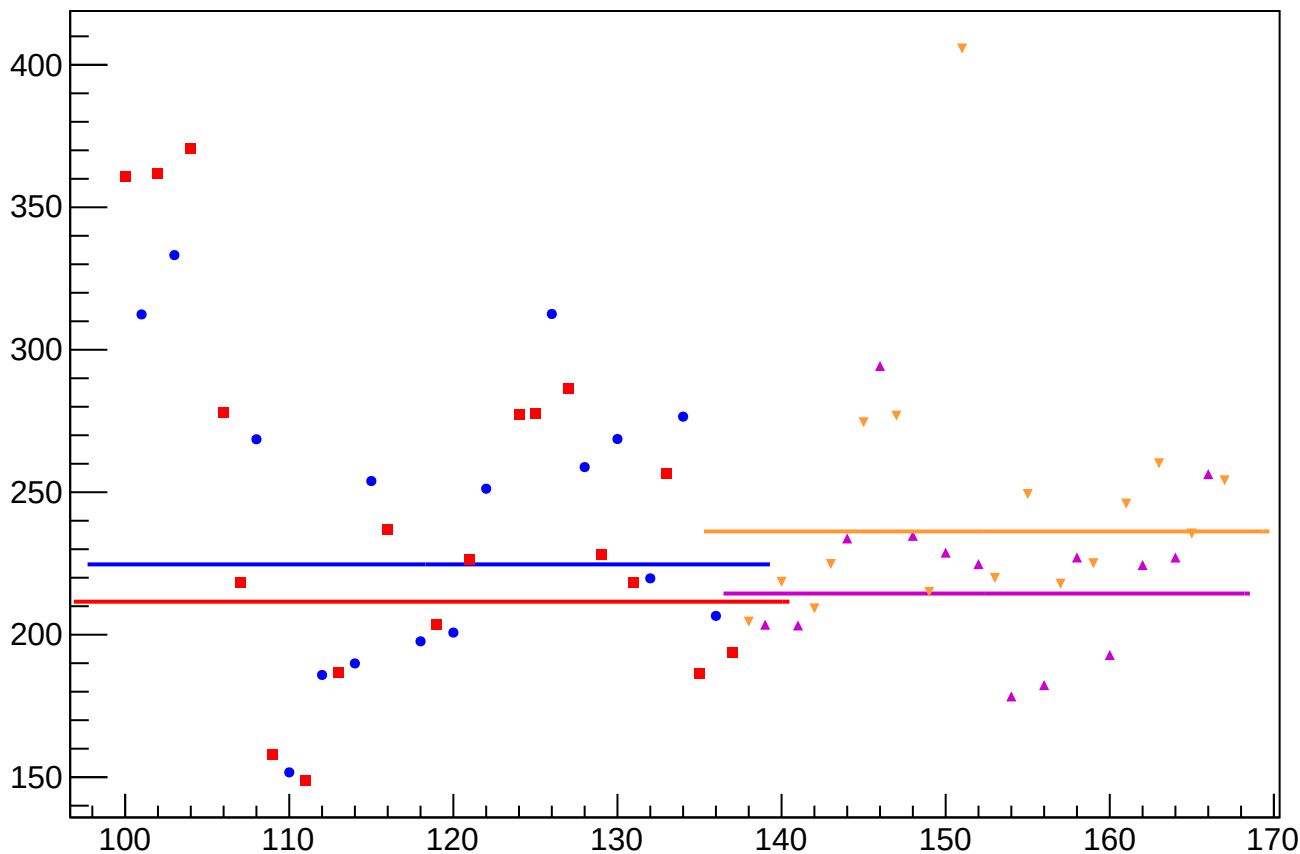
Left In: 605.138 ± 64.887 χ^2/NDF : 1487.8/13

+ sign 55.203 ± 53.444 χ^2/NDF : 1183.3/31

All: 423.254 ± 36.755 χ^2/NDF : 3172.6/64

- sign 753.546 ± 50.628 χ^2/NDF : 1899.3/32

asym_bpm0i07WS_rms vs Slug



Right In: 224.683 $\pm$ 0.061 χ^2 /NDF: 653193.4/15

Left Out: 236.243 $\pm$ 0.048 χ^2 /NDF: 481286.1/15

Right Out: 211.595 $\pm$ 0.057 χ^2 /NDF: 932902.5/18

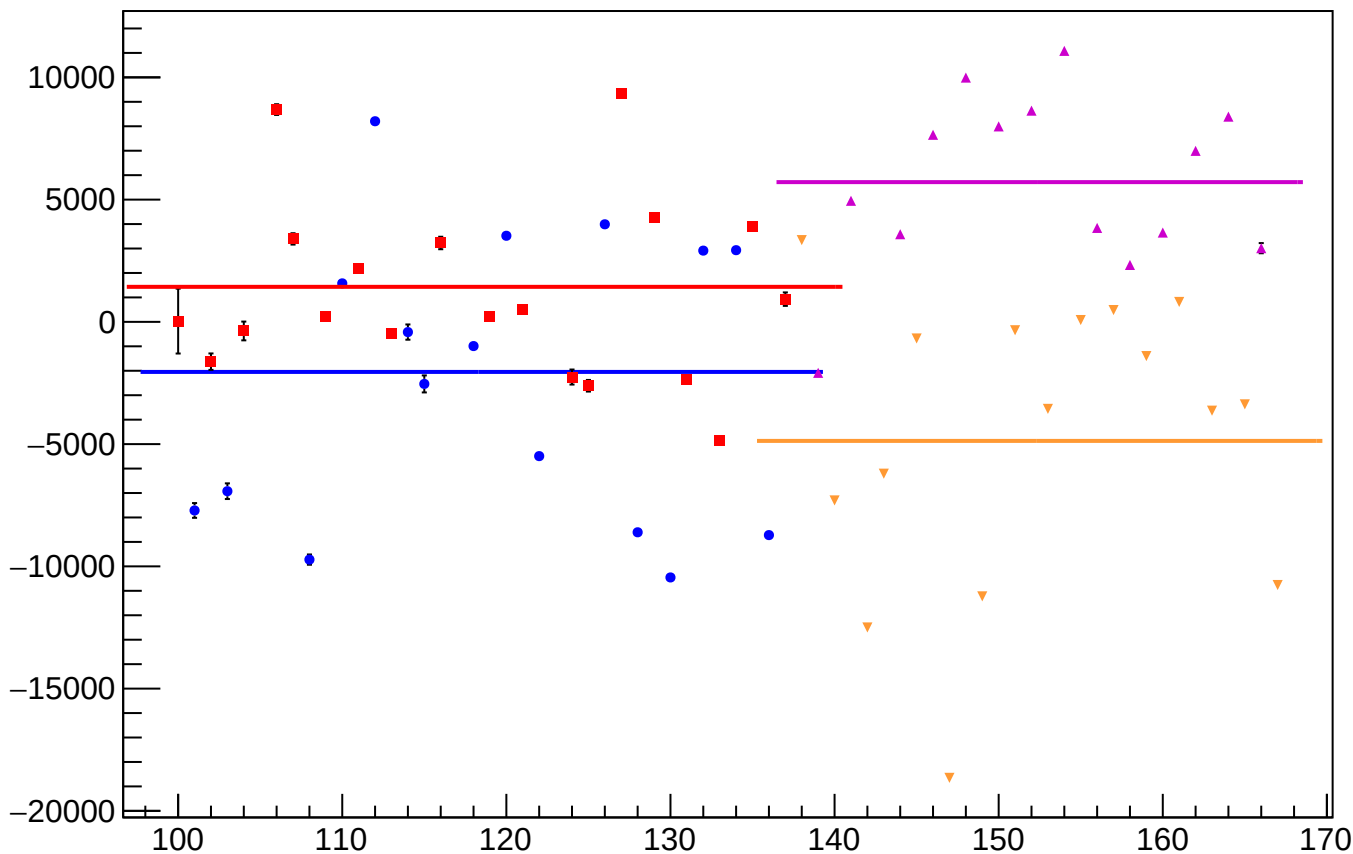
Left In: 214.451 $\pm$ 0.046 χ^2 /NDF: 357133.2/13

+ sign 231.849 $\pm$ 0.038 χ^2 /NDF: 1156529.9/31

All: 222.091 $\pm$ 0.026 χ^2 /NDF: 2574594.9/64

- sign 213.334 $\pm$ 0.036 χ^2 /NDF: 1291551.2/32

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267 ± 46.722 $\chi^2/\text{NDF}: 16709.1/15$

Left Out: -4868.559 ± 34.758 $\chi^2/\text{NDF}: 30832.8/15$

Right Out: 1432.909 ± 44.729 $\chi^2/\text{NDF}: 6387.8/18$

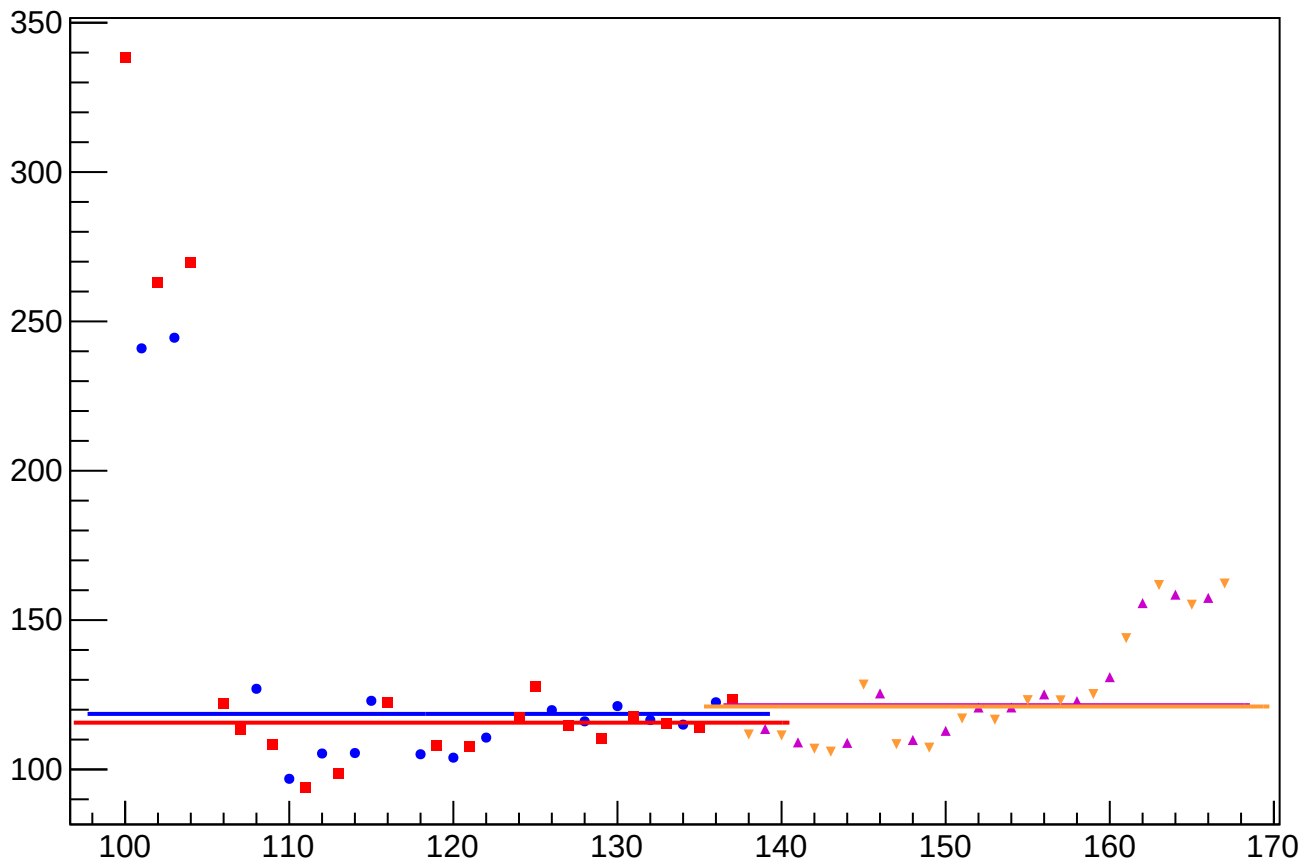
Left In: 5715.549 ± 36.389 $\chi^2/\text{NDF}: 9610.7/13$

+ sign -3863.427 ± 27.887 $\chi^2/\text{NDF}: 49889.2/31$

All: 25.523 ± 19.839 $\chi^2/\text{NDF}: 110775.2/64$

- sign 4009.937 ± 28.228 $\chi^2/\text{NDF}: 21514.8/32$

asym_bpm1i02WS_rms vs Slug



Right In: 118.596 $\pm$ 0.033 χ^2 /NDF: 734158.7/15

Left Out: 121.071 $\pm$ 0.025 χ^2 /NDF: 438778.7/15

Right Out: 115.660 $\pm$ 0.032 χ^2 /NDF: 864206.3/18

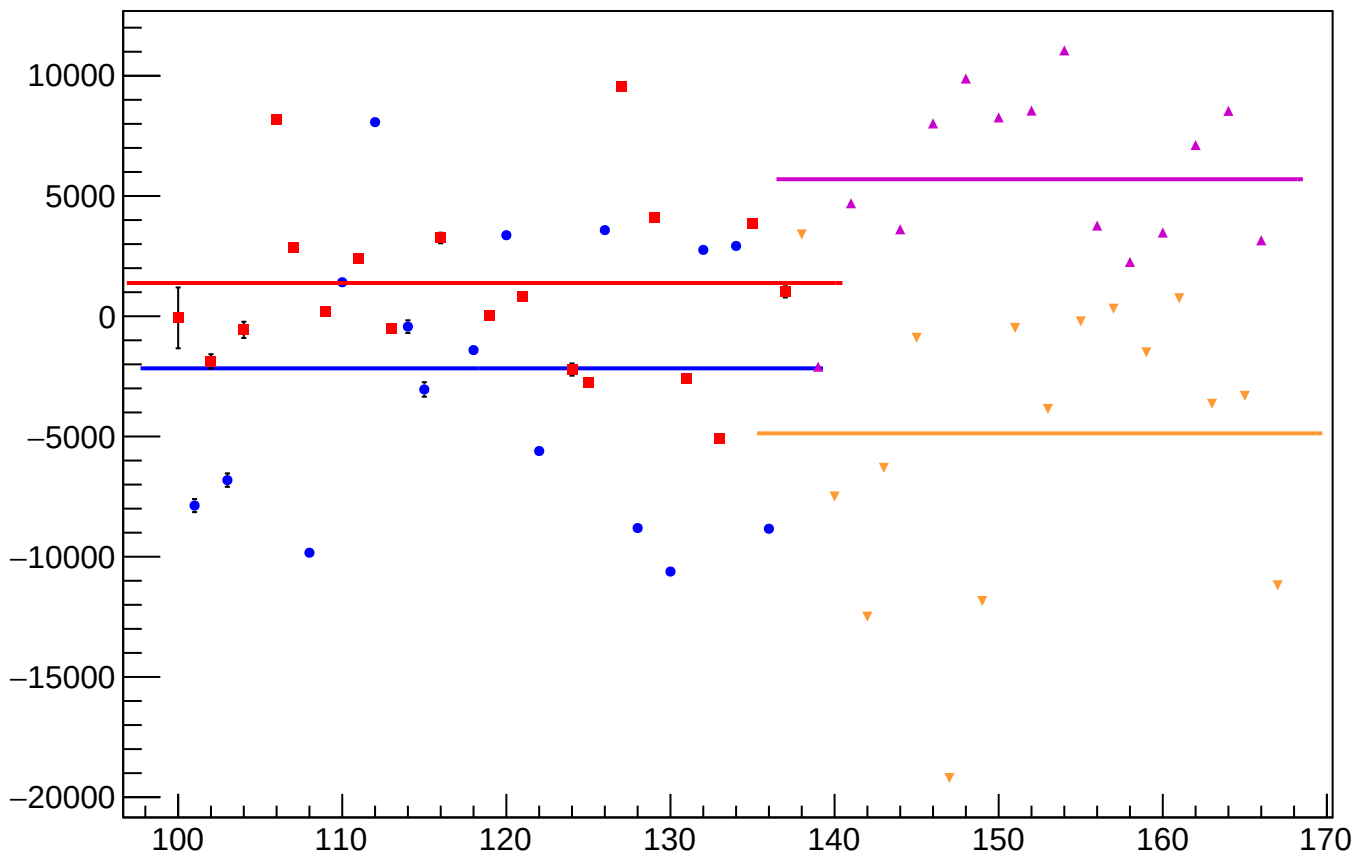
Left In: 121.511 $\pm$ 0.026 χ^2 /NDF: 296780.3/13

+ sign 120.189 $\pm$ 0.020 χ^2 /NDF: 1176551.1/31

All: 119.691 $\pm$ 0.014 χ^2 /NDF: 2359427.0/64

- sign 119.181 $\pm$ 0.020 χ^2 /NDF: 1181583.8/32

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877 $\pm$ 39.632 χ^2 /NDF: 22874.8/15

Left Out: -4870.387 $\pm$ 31.316 χ^2 /NDF: 37680.6/15

Right Out: 1383.103 $\pm$ 37.976 χ^2 /NDF: 9148.6/18

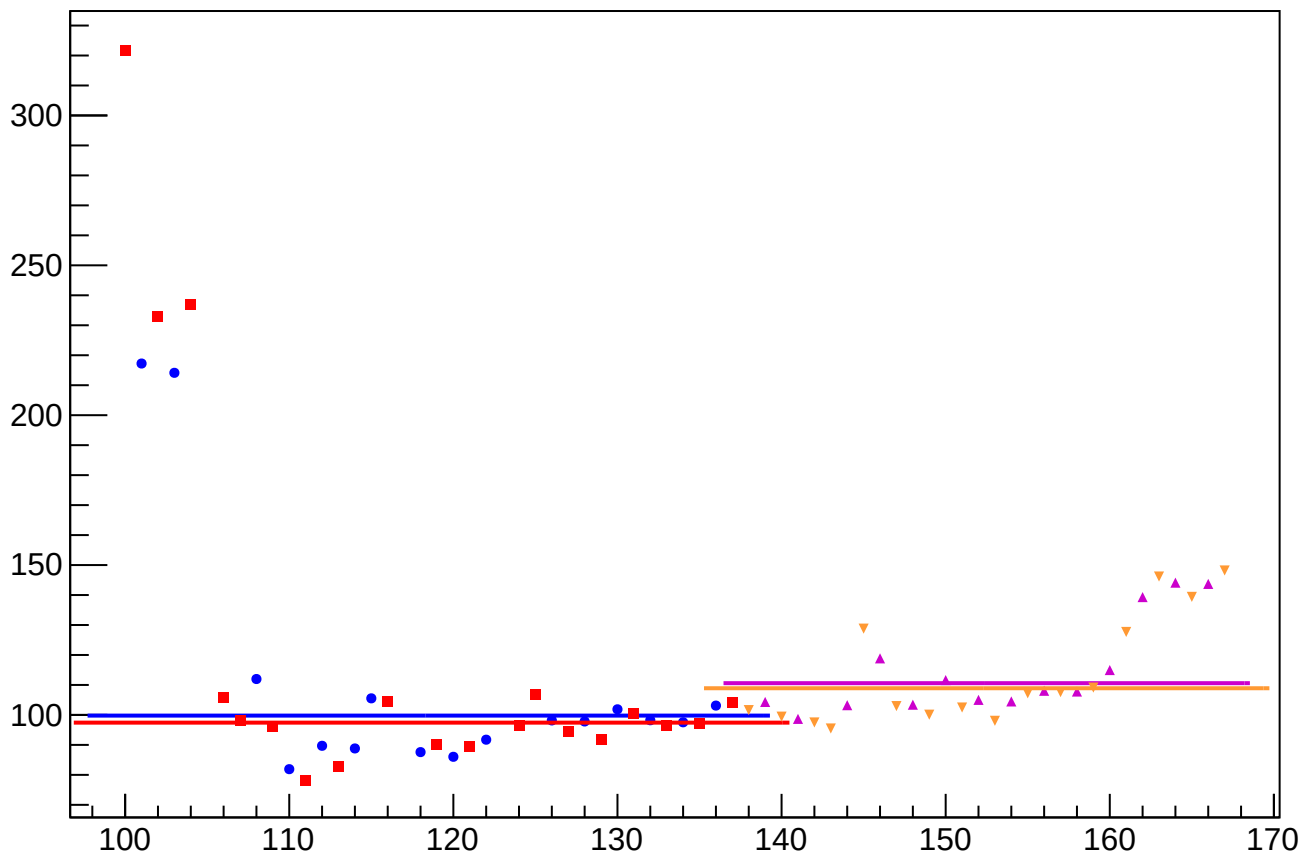
Left In: 5698.440 $\pm$ 33.127 χ^2 /NDF: 11874.1/13

+ sign -3830.844 $\pm$ 24.571 χ^2 /NDF: 63422.2/31

All: -59.343 $\pm$ 17.511 χ^2 /NDF: 139658.0/64

- sign 3833.692 $\pm$ 24.964 χ^2 /NDF: 28355.5/32

asym_bpm1i04WS_rms vs Slug



Right In: 99.775 ± 0.028 χ^2/NDF : 809152.9/15

Left Out: 108.901 ± 0.022 χ^2/NDF : 461216.1/15

Right Out: 97.428 ± 0.027 χ^2/NDF : 926047.7/18

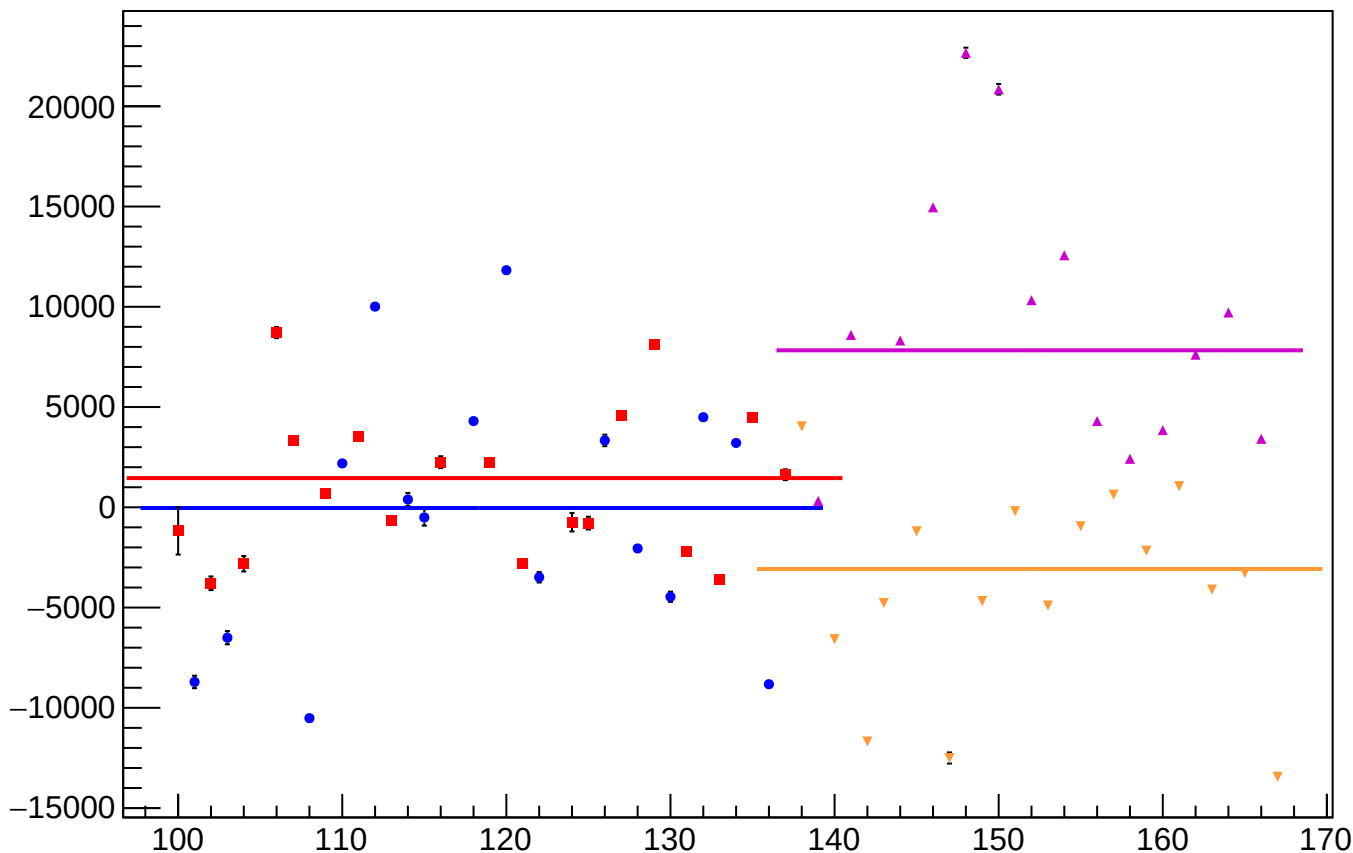
Left In: 110.593 ± 0.023 χ^2/NDF : 265334.5/13

+ sign 105.393 ± 0.017 χ^2/NDF : 1335663.9/31

All: 105.152 ± 0.012 χ^2/NDF : 2663938.5/64

- sign 104.904 ± 0.018 χ^2/NDF : 1327884.3/32

asym_bpm1i06WS_mean vs Slug



Right In: -34.667 ± 53.465 χ^2/NDF : 16802.8/15

Left Out: -3074.651 ± 44.531 χ^2/NDF : 9839.1/15

Right Out: 1456.665 ± 51.946 χ^2/NDF : 4117.0/18

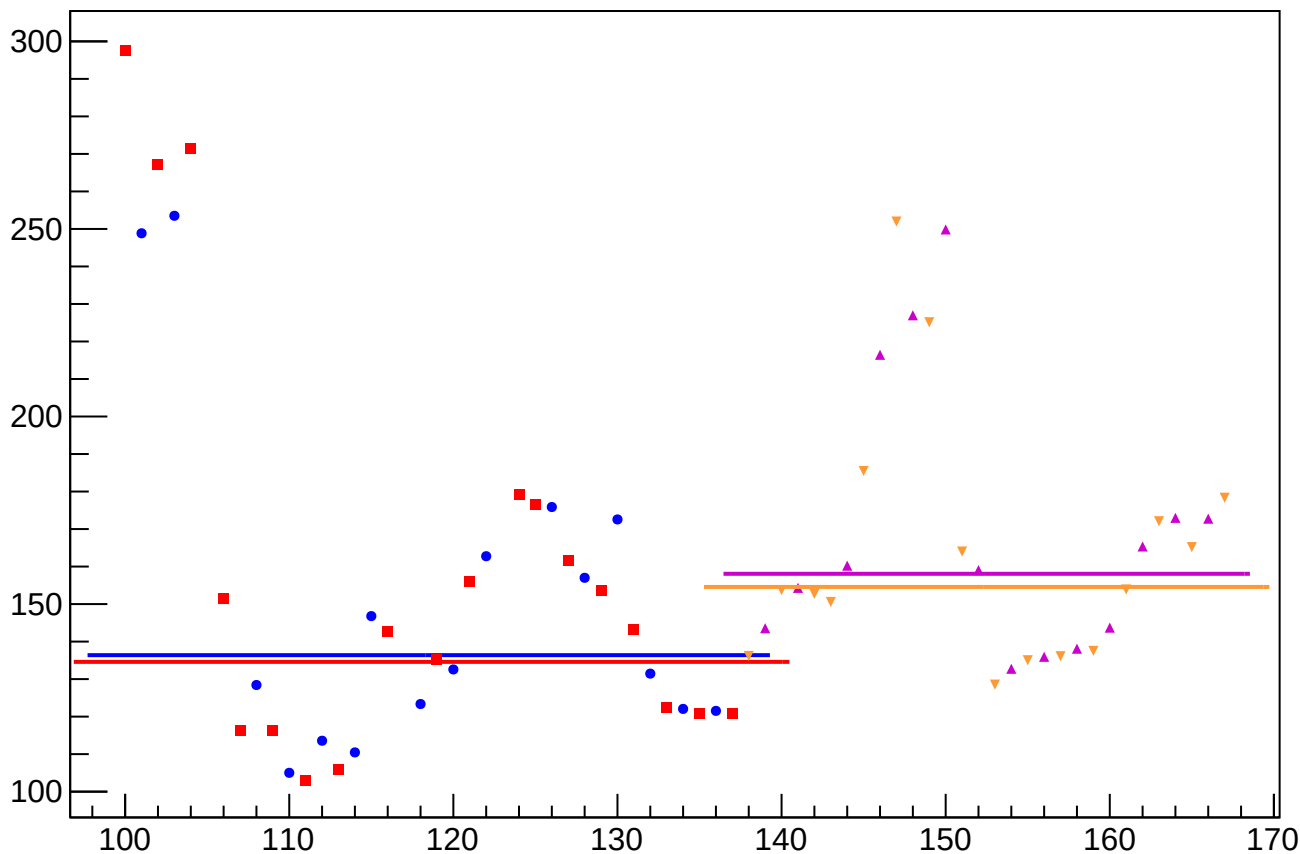
Left In: 7829.192 ± 47.799 χ^2/NDF : 13296.8/13

+ sign -1829.536 ± 34.217 χ^2/NDF : 28550.7/31

All: 1446.087 ± 24.526 χ^2/NDF : 72962.4/64

- sign 4907.433 ± 35.174 χ^2/NDF : 25563.2/32

asym_bpm1i06WS_rms vs Slug



Right In: 136.383 $\pm$ 0.038 χ^2 /NDF: 796855.7/15

Left Out: 154.570 $\pm$ 0.031 χ^2 /NDF: 696204.3/15

Right Out: 134.598 $\pm$ 0.037 χ^2 /NDF: 919605.2/18

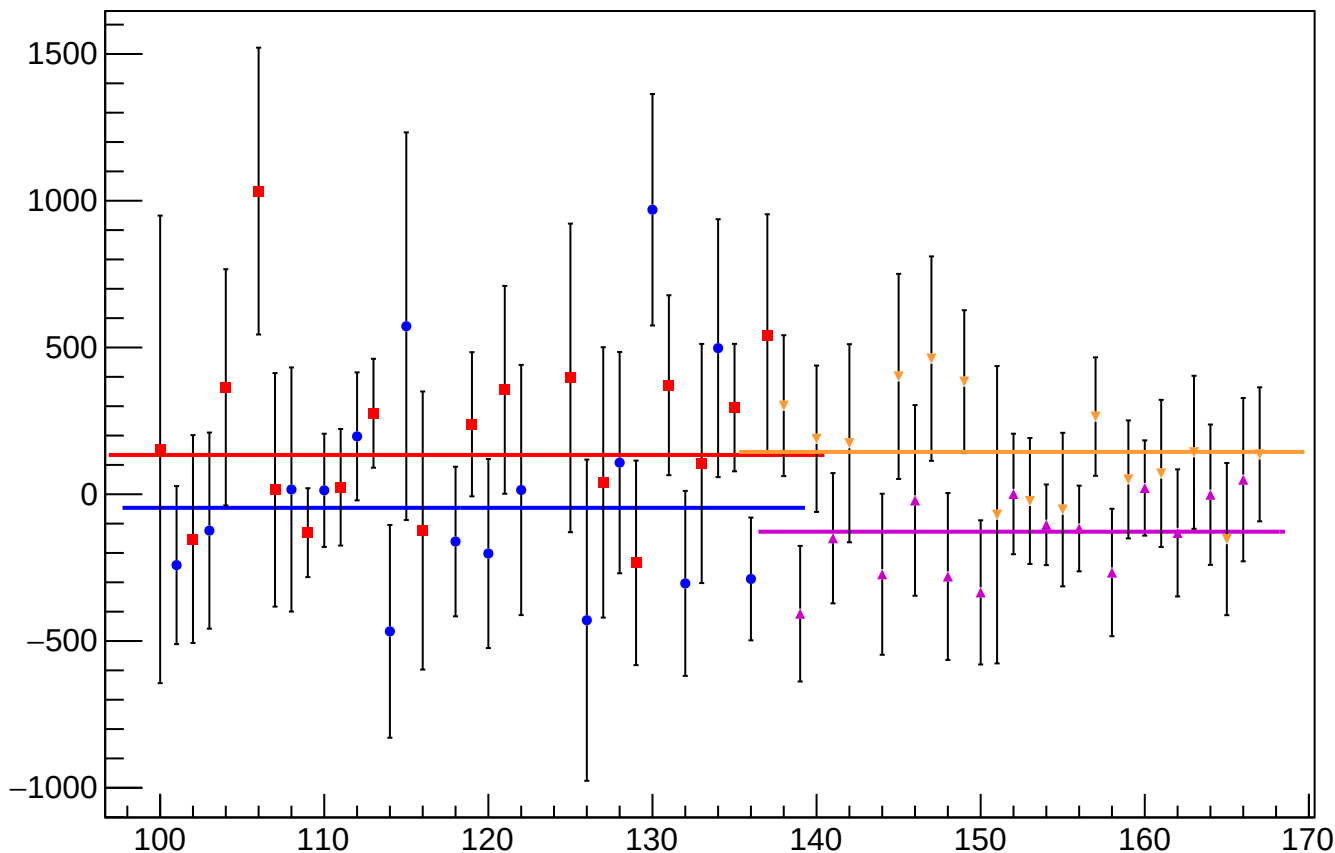
Left In: 158.073 $\pm$ 0.034 χ^2 /NDF: 714737.4/13

+ sign 147.121 $\pm$ 0.024 χ^2 /NDF: 1629693.2/31

All: 147.213 $\pm$ 0.017 χ^2 /NDF: 3485244.7/64

- sign 147.310 $\pm$ 0.025 χ^2 /NDF: 1855521.8/32

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199 $\pm$ 76.283 χ^2/NDF : 15.5/15

Left Out: 144.337 $\pm$ 65.966 χ^2/NDF : 6.1/14

Right Out: 133.913 $\pm$ 68.414 χ^2/NDF : 12.8/17

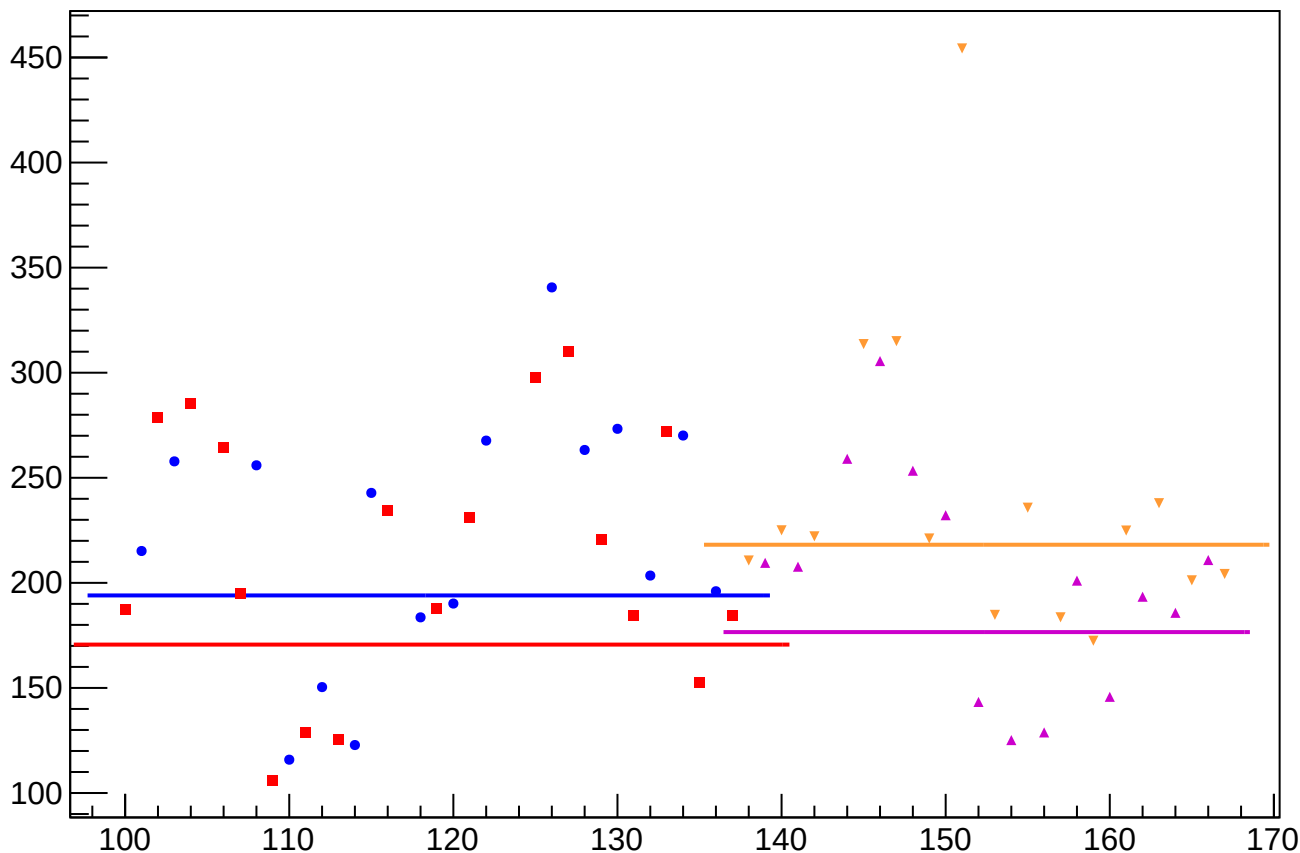
Left In: -127.561 $\pm$ 55.438 χ^2/NDF : 5.2/13

+ sign 62.815 $\pm$ 49.897 χ^2/NDF : 25.2/30

All: 13.114 $\pm$ 32.605 χ^2/NDF : 53.8/62

- sign -23.920 $\pm$ 43.072 χ^2/NDF : 26.9/31

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: 218.143 $\pm$ 0.047 χ^2 /NDF:991218.5/14

+ sign 207.820 $\pm$ 0.035 χ^2 /NDF: 2149266.1/30

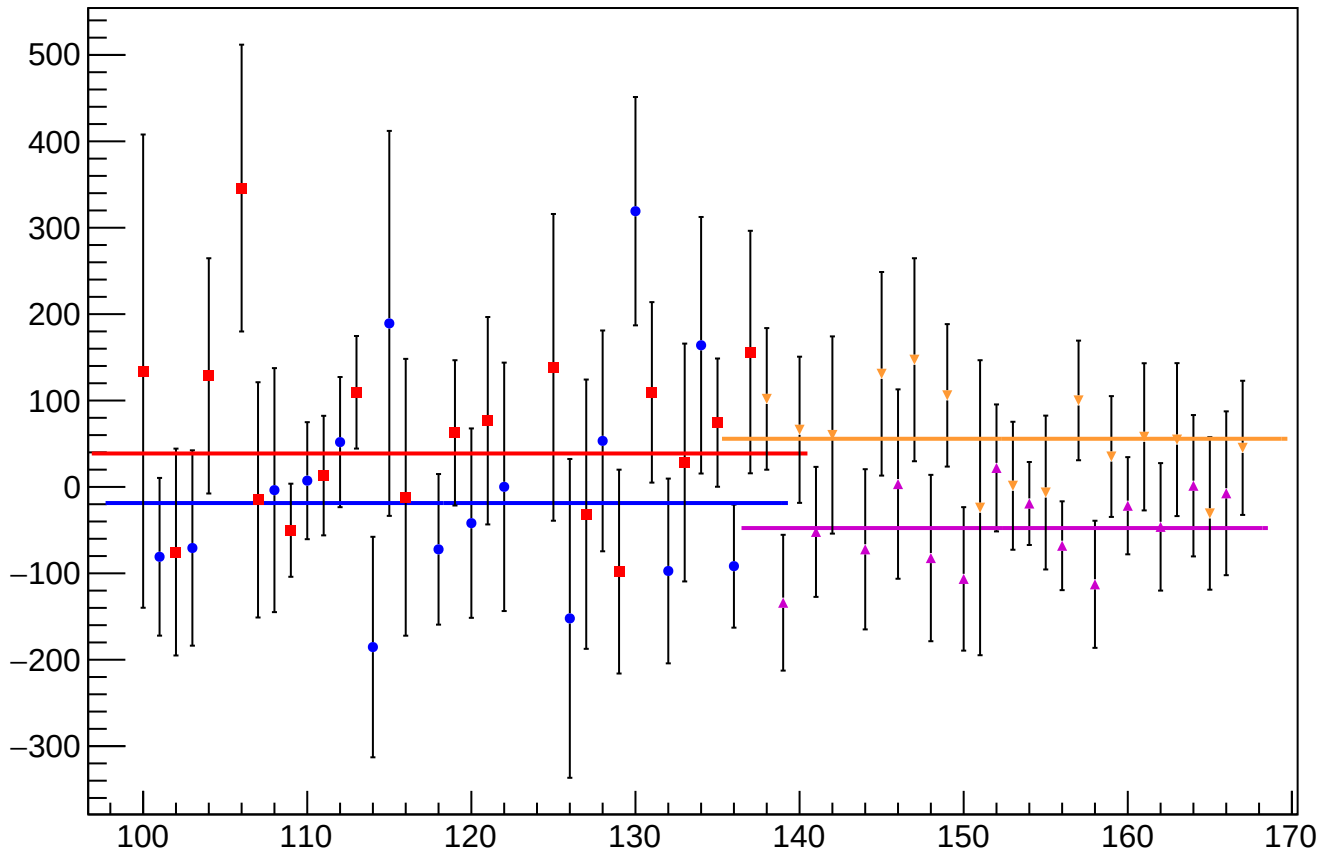
Right Out: 170.624 $\pm$ 0.048 χ^2 /NDF: 1593735.4/17

All: 188.564 $\pm$ 0.023 χ^2 /NDF: 5785850.6/62

Left In: 176.575 $\pm$ 0.039 χ^2 /NDF:1513900.6/13

- sign 174.216 $\pm$ 0.030 χ^2 /NDF: 3116770.6/31

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: 55.743 ± 22.515 $\chi^2/\text{NDF}: 4.4/14$

Right Out: 38.716 ± 23.652 $\chi^2/\text{NDF}: 12.6/17$

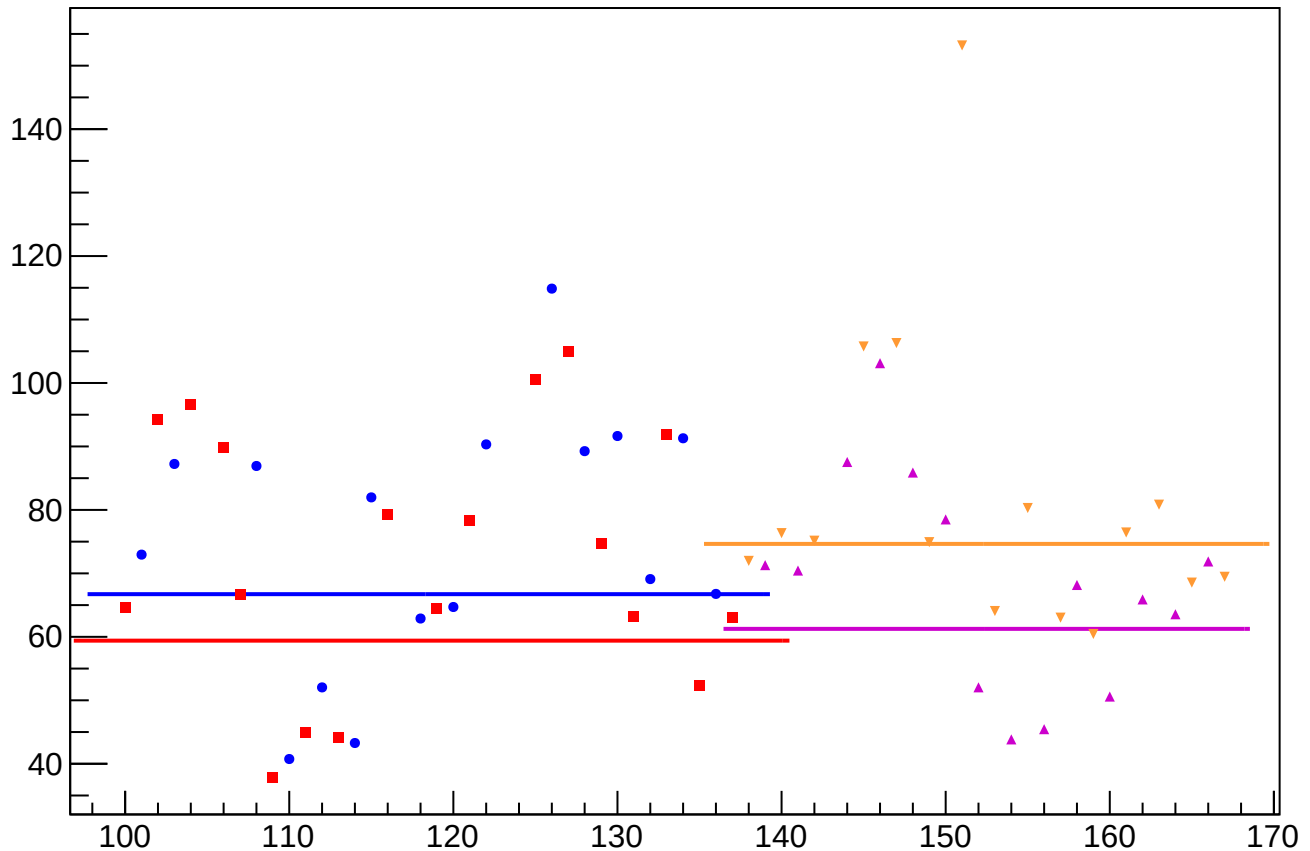
Left In: -47.599 ± 19.127 $\chi^2/\text{NDF}: 5.1/13$

+ sign 24.036 ± 17.054 $\chi^2/\text{NDF}: 24.3/30$

All: 2.731 ± 11.209 $\chi^2/\text{NDF}: 52.8/62$

- sign -13.471 ± 14.872 $\chi^2/\text{NDF}: 25.7/31$

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724 ± 0.018 χ^2/NDF : 947040.2/15

Left Out: 74.644 ± 0.016 χ^2/NDF : 927554.0/14

Right Out: 59.400 ± 0.017 χ^2/NDF : 1445371.1/17

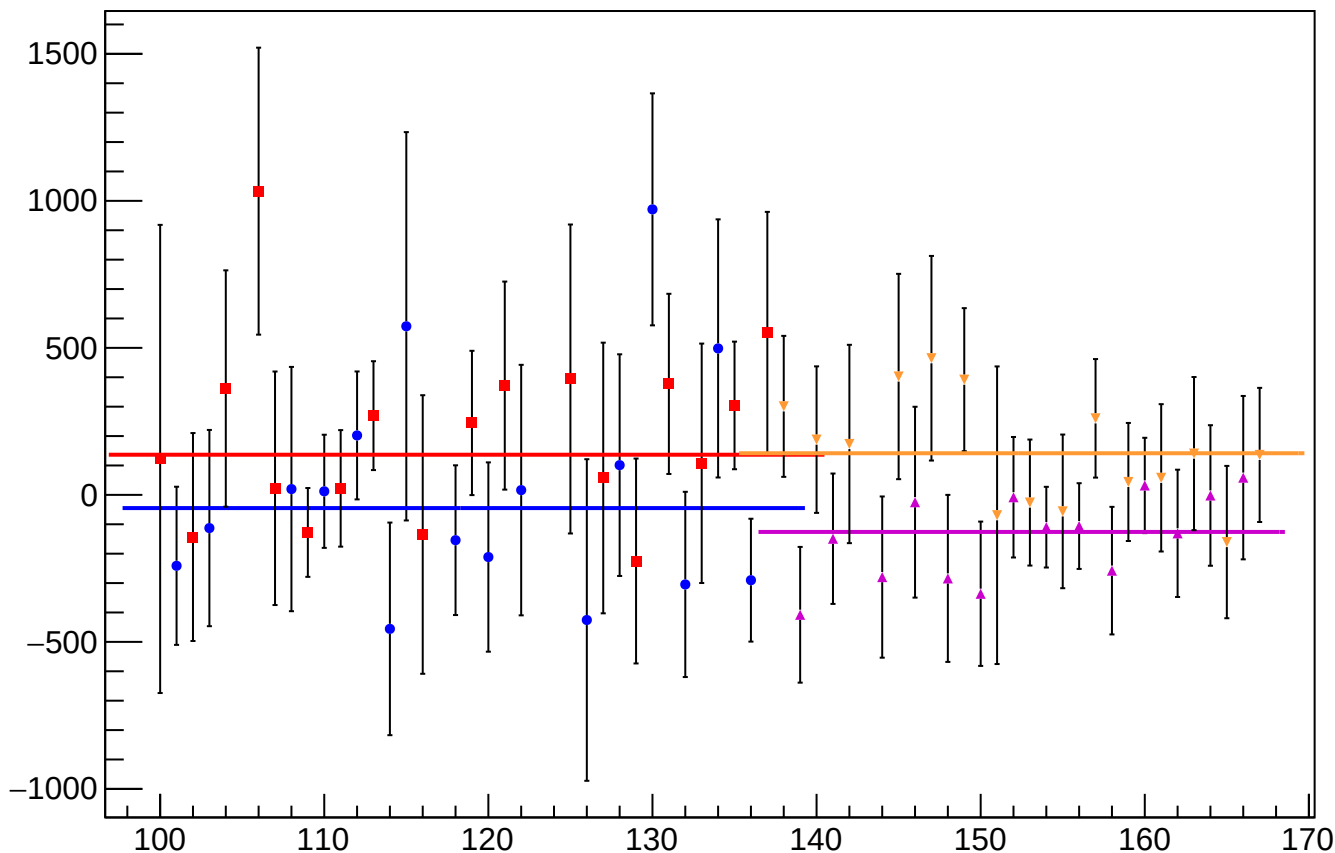
Left In: 61.257 ± 0.014 χ^2/NDF : 1340050.7/13

+ sign 71.268 ± 0.012 χ^2/NDF : 1980072.5/30

All: 65.165 ± 0.008 χ^2/NDF : 5223952.5/62

- sign 60.523 ± 0.011 χ^2/NDF : 2792870.4/31

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917 ± 76.198 χ^2/NDF : 15.5/15

Left Out: 141.586 ± 65.912 χ^2/NDF : 6.4/14

Right Out: 136.579 ± 68.322 χ^2/NDF : 12.9/17

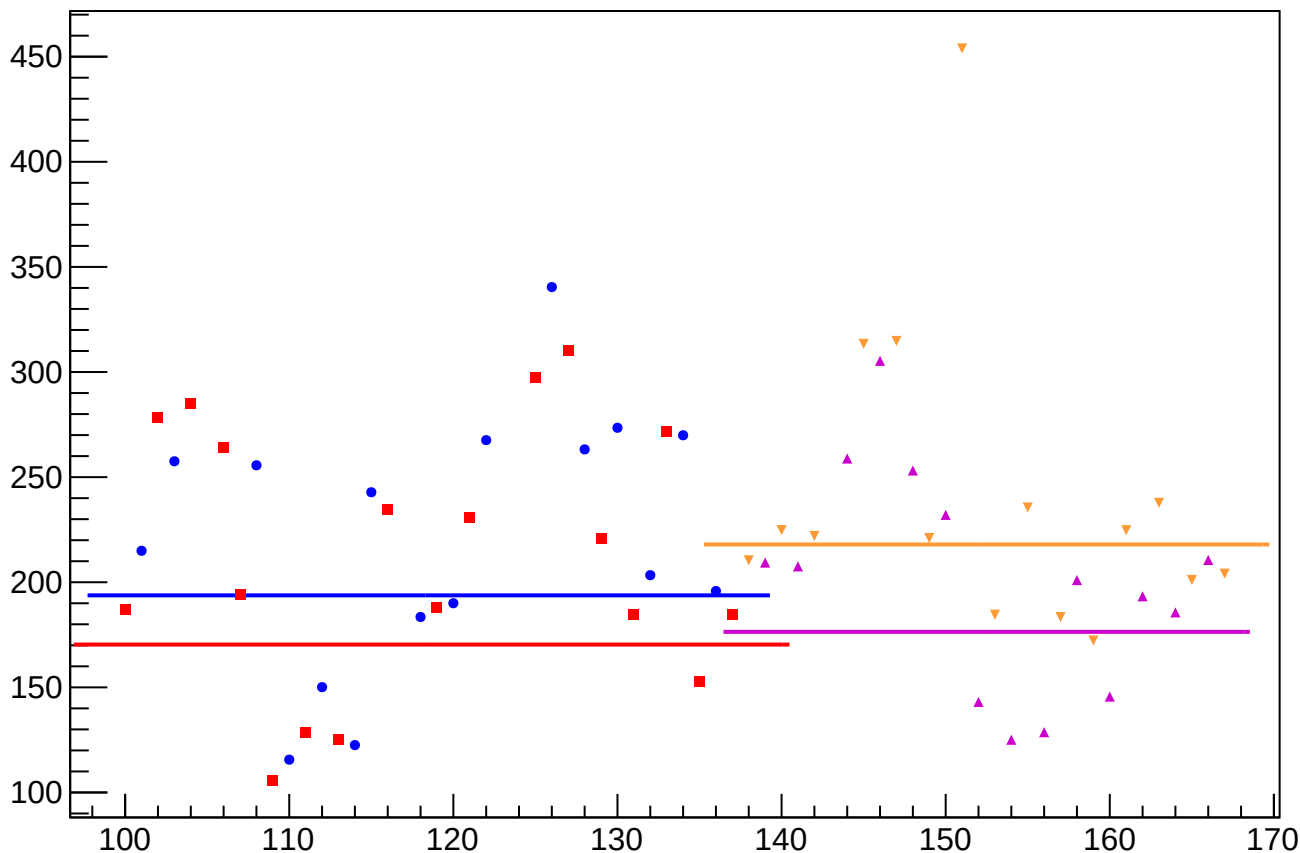
Left In: -126.057 ± 55.389 χ^2/NDF : 5.3/13

+ sign 61.764 ± 49.850 χ^2/NDF : 25.3/30

All: 13.818 ± 32.572 χ^2/NDF : 54.0/62

- sign -21.899 ± 43.026 χ^2/NDF : 27.1/31

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: 217.957 $\pm$ 0.047 χ^2 /NDF: 991883.7/14

Right Out: 170.358 $\pm$ 0.048 χ^2 /NDF: 1599025.1/17

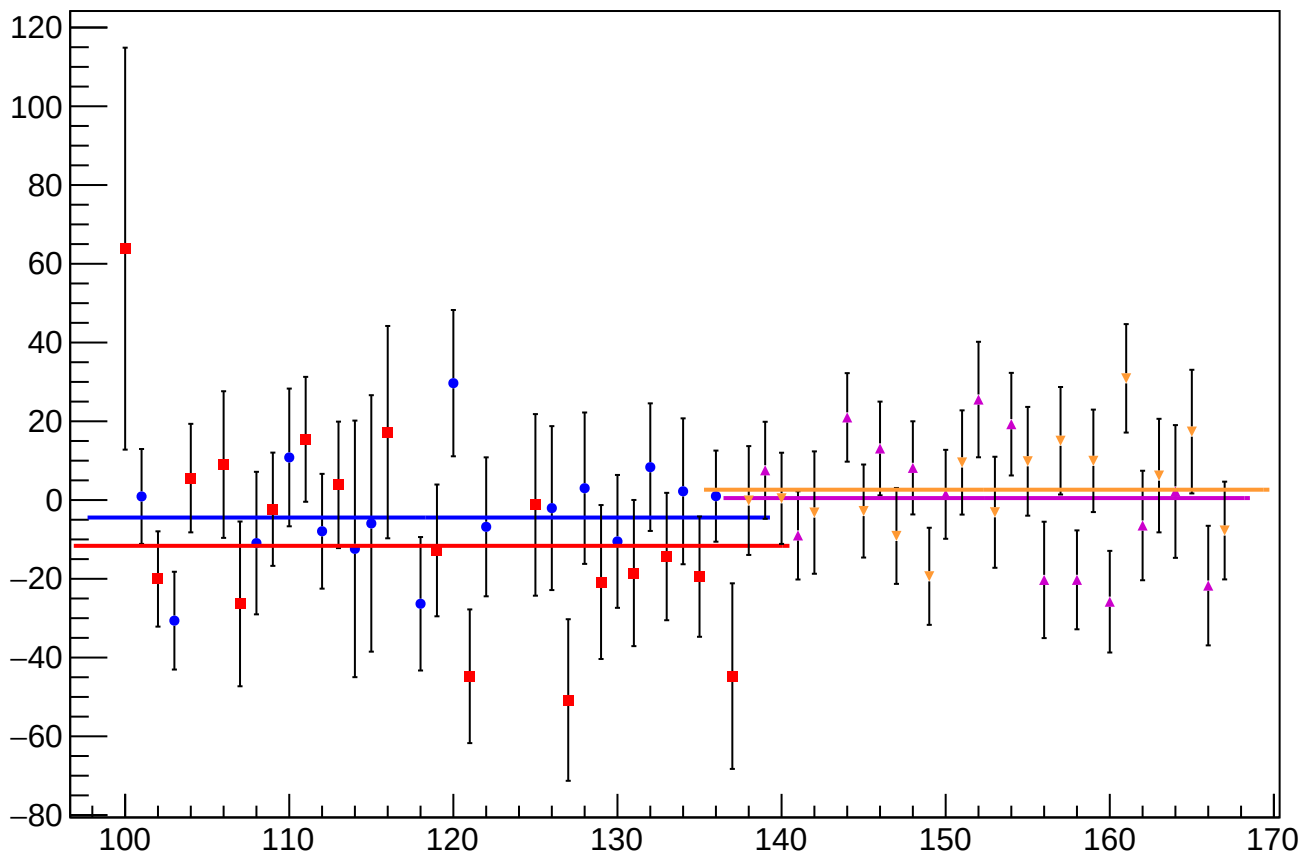
Left In: 176.407 $\pm$ 0.039 χ^2 /NDF: 1515961.3/13

+ sign 207.604 $\pm$ 0.035 χ^2 /NDF: 2155269.5/30

All: 188.351 $\pm$ 0.023 χ^2 /NDF: 5800311.0/62

- sign 174.008 $\pm$ 0.030 χ^2 /NDF: 3124447.7/31

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440 ± 4.131 $\chi^2/\text{NDF}: 12.0/15$

Left Out: 2.627 ± 3.426 $\chi^2/\text{NDF}: 12.3/14$

Right Out: -11.627 ± 4.137 $\chi^2/\text{NDF}: 21.6/17$

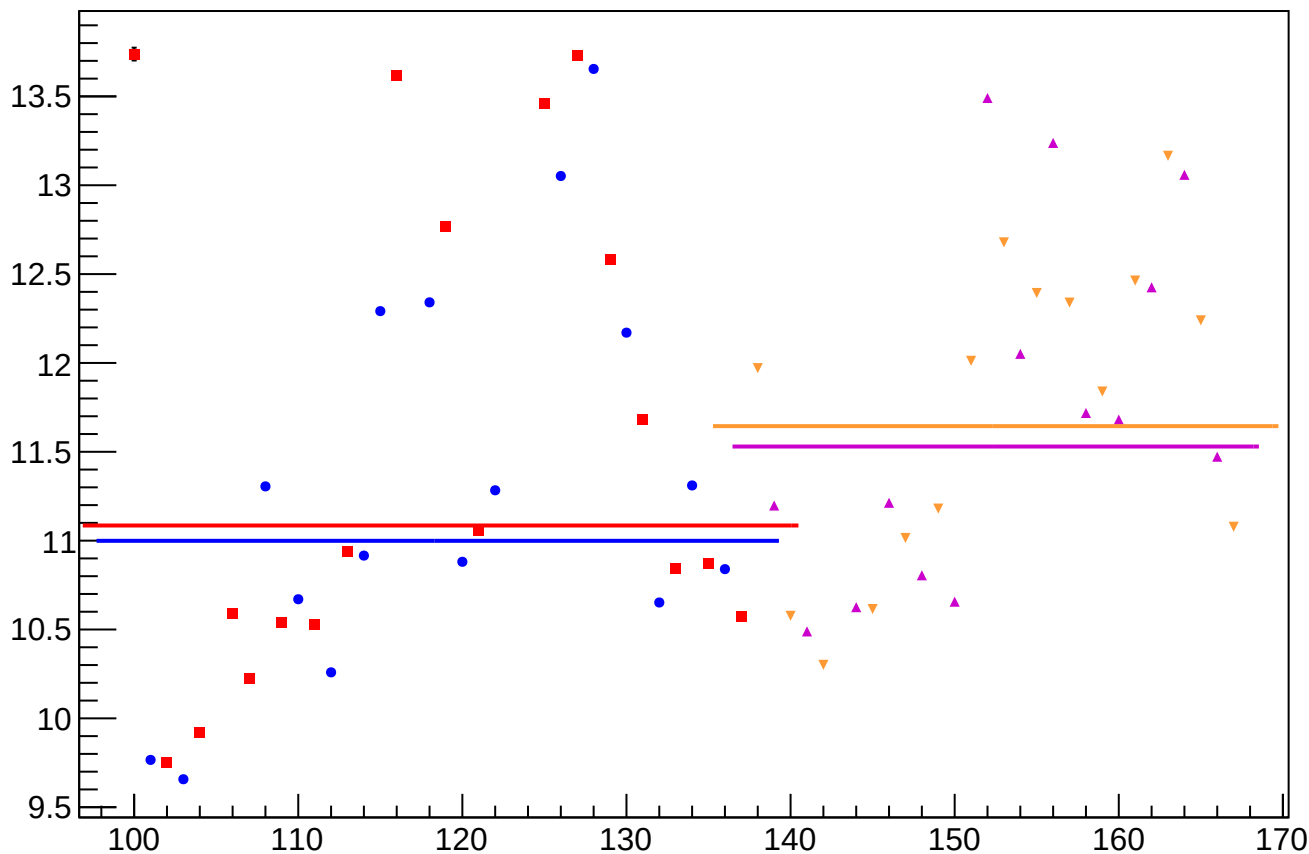
Left In: 0.499 ± 3.430 $\chi^2/\text{NDF}: 22.2/13$

+ sign -0.252 ± 2.637 $\chi^2/\text{NDF}: 26.0/30$

All: -2.344 ± 1.866 $\chi^2/\text{NDF}: 76.1/62$

- sign -4.441 ± 2.640 $\chi^2/\text{NDF}: 48.9/31$

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999 ± 0.003 $\chi^2/\text{NDF}: 136159.2/15$

Left Out: 11.644 ± 0.002 $\chi^2/\text{NDF}: 116626.1/14$

Right Out: 11.085 ± 0.003 $\chi^2/\text{NDF}: 162204.2/17$

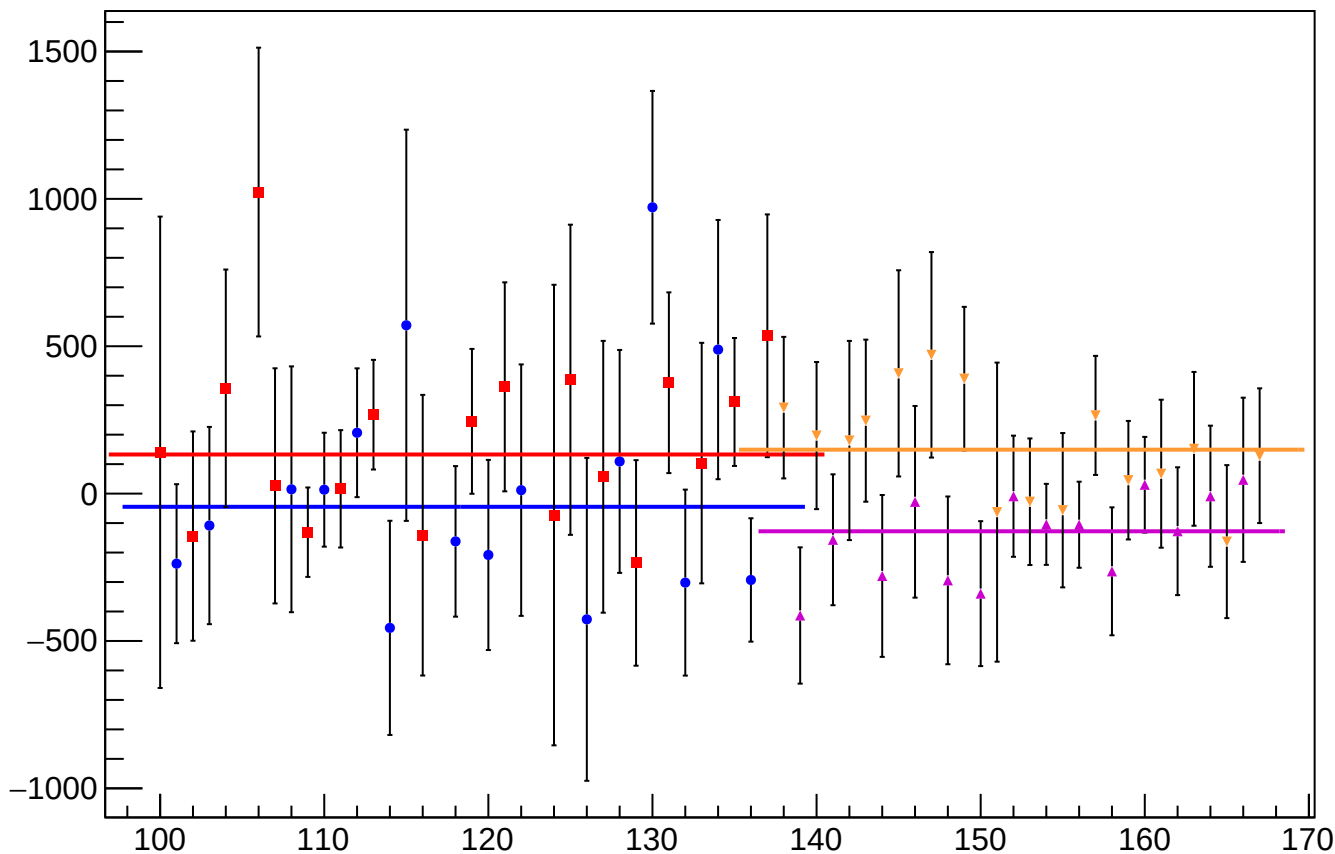
Left In: 11.530 ± 0.002 $\chi^2/\text{NDF}: 143749.9/13$

+ sign 11.381 ± 0.002 $\chi^2/\text{NDF}: 281706.6/30$

All: 11.365 ± 0.001 $\chi^2/\text{NDF}: 601492.7/62$

- sign 11.349 ± 0.002 $\chi^2/\text{NDF}: 319632.0/31$

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797 ± 76.424 χ^2/NDF : 15.4/15

Left Out: 149.062 ± 64.207 χ^2/NDF : 6.5/15

Right Out: 132.730 ± 68.270 χ^2/NDF : 12.9/18

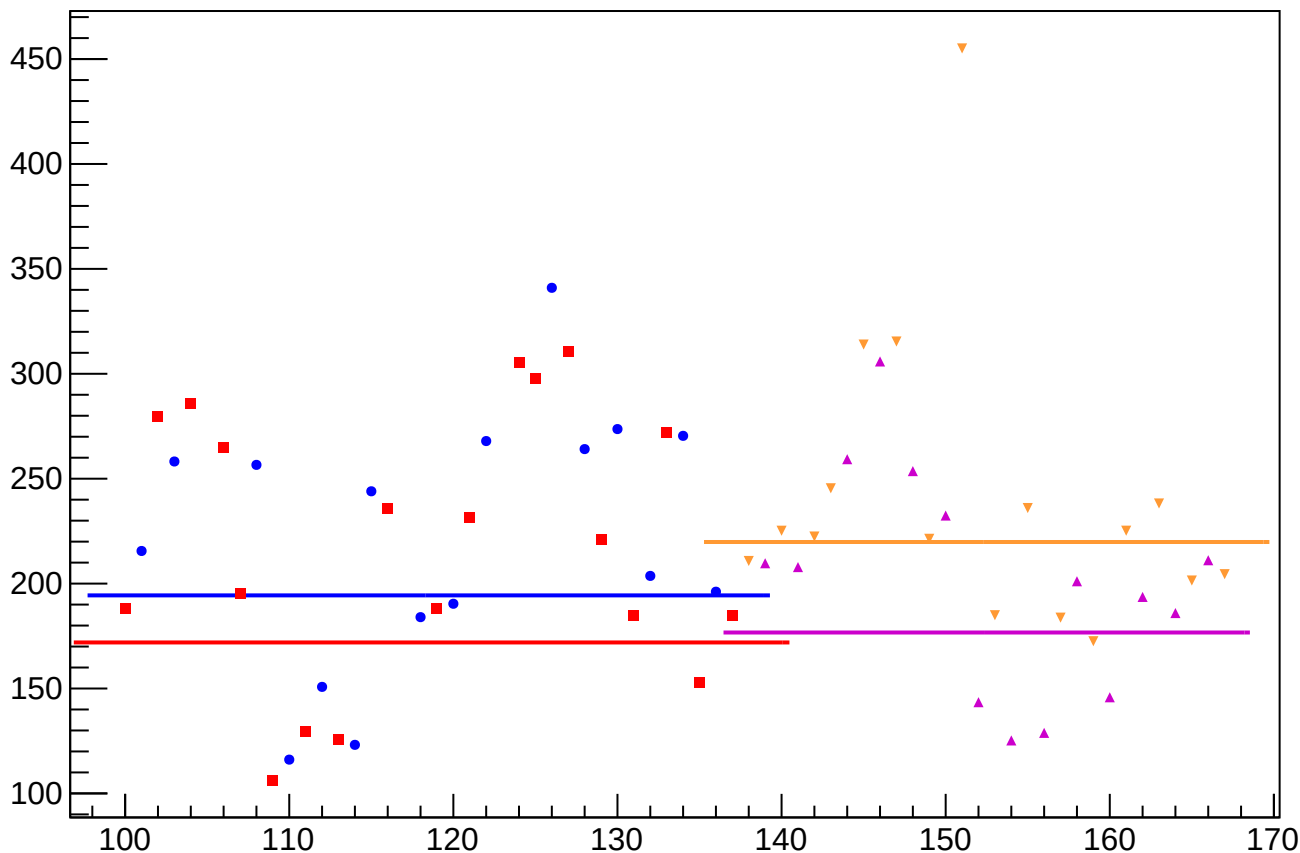
Left In: -127.863 ± 55.479 χ^2/NDF : 5.4/13

+ sign 68.847 ± 49.160 χ^2/NDF : 25.7/31

All: 16.181 ± 32.389 χ^2/NDF : 54.8/64

- sign -24.216 ± 43.055 χ^2/NDF : 27.0/32

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF : 1042024.1/15

Left Out: 219.828+/-0.045 χ^2/NDF : 1010886.2/15

Right Out: 171.949+/-0.048 χ^2/NDF : 1651343.7/18

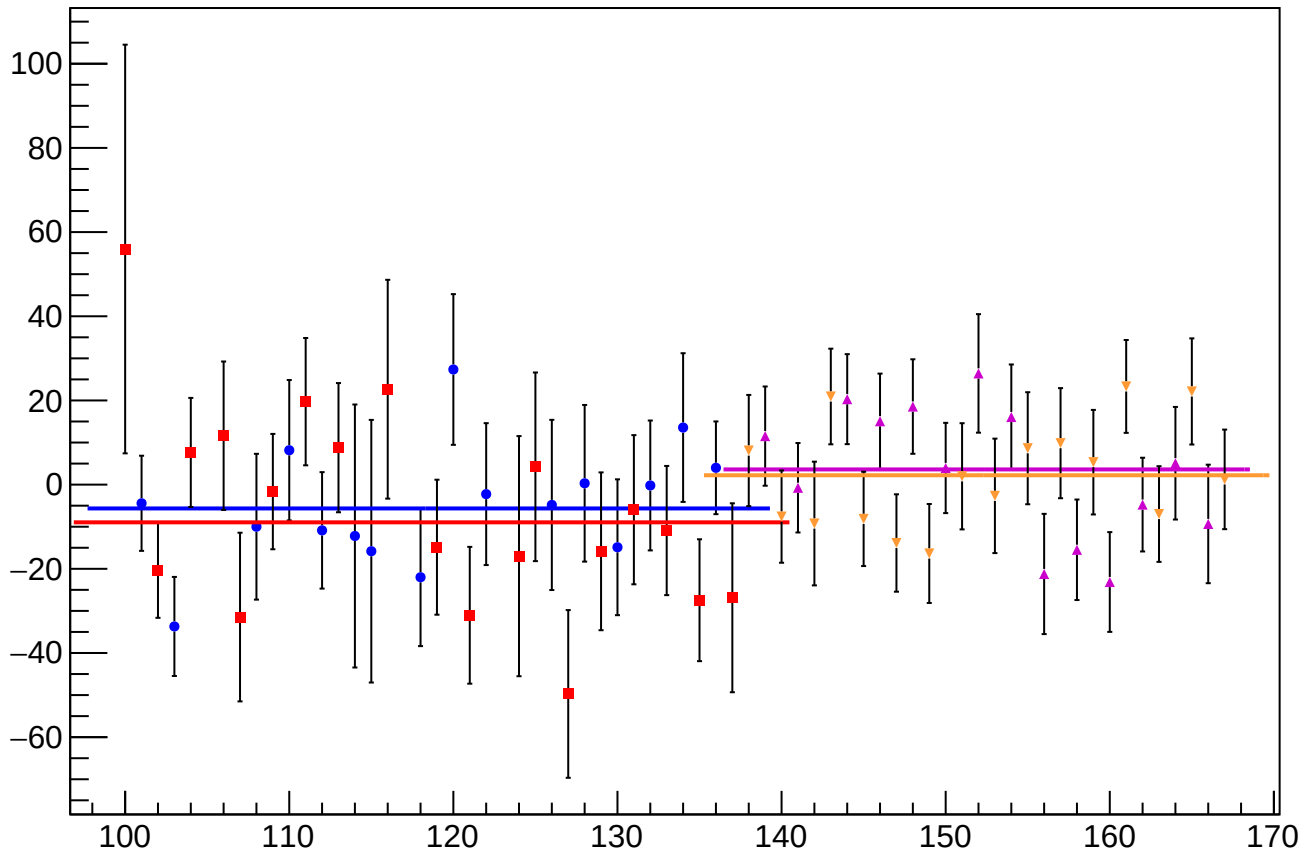
Left In: 176.690+/-0.039 χ^2/NDF : 1516345.9/13

+ sign 209.300+/-0.035 χ^2/NDF : 2182860.0/31

All: 189.779+/-0.023 χ^2/NDF : 5913663.4/64

- sign 174.804+/-0.030 χ^2/NDF : 3173499.6/32

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657 ± 3.939 χ^2/NDF : 13.7/15

Left Out: 2.225 ± 3.041 χ^2/NDF : 17.2/15

Right Out: -8.960 ± 3.901 χ^2/NDF : 22.8/18

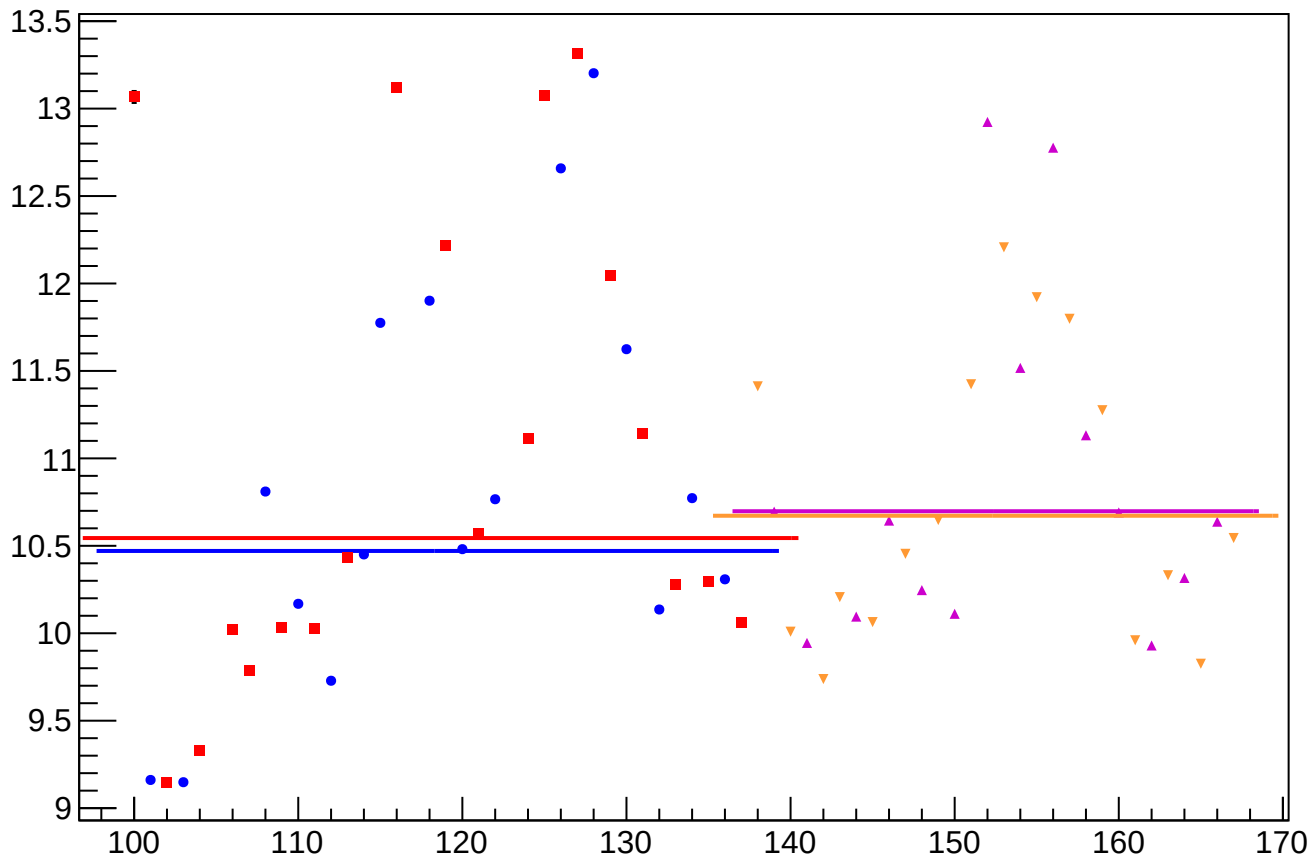
Left In: 3.612 ± 3.187 χ^2/NDF : 21.6/13

+ sign -0.718 ± 2.407 χ^2/NDF : 33.4/31

All: -1.060 ± 1.723 χ^2/NDF : 84.0/64

- sign -1.420 ± 2.468 χ^2/NDF : 50.6/32

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471 ± 0.003 χ^2/NDF : 157365.8/15

Left Out: 10.672 ± 0.002 χ^2/NDF : 120741.0/15

Right Out: 10.544 ± 0.003 χ^2/NDF : 186780.3/18

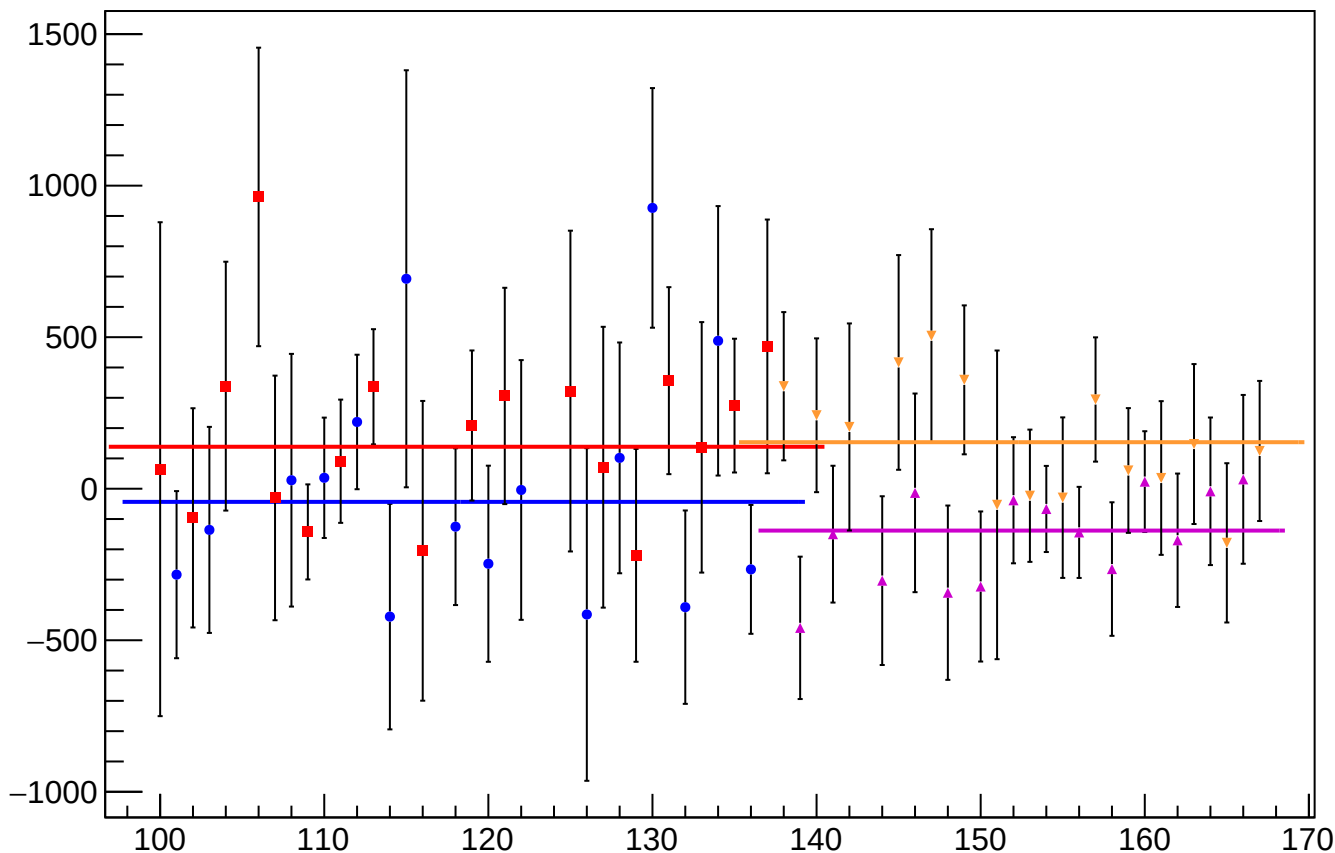
Left In: 10.698 ± 0.002 χ^2/NDF : 140451.4/13

+ sign 10.597 ± 0.002 χ^2/NDF : 281381.1/31

All: 10.616 ± 0.001 χ^2/NDF : 610730.0/64

- sign 10.636 ± 0.002 χ^2/NDF : 329085.5/32

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384 ± 77.584 χ^2/NDF : 15.5/15

Left Out: 153.491 ± 66.956 χ^2/NDF : 6.8/14

Right Out: 138.455 ± 69.833 χ^2/NDF : 11.5/17

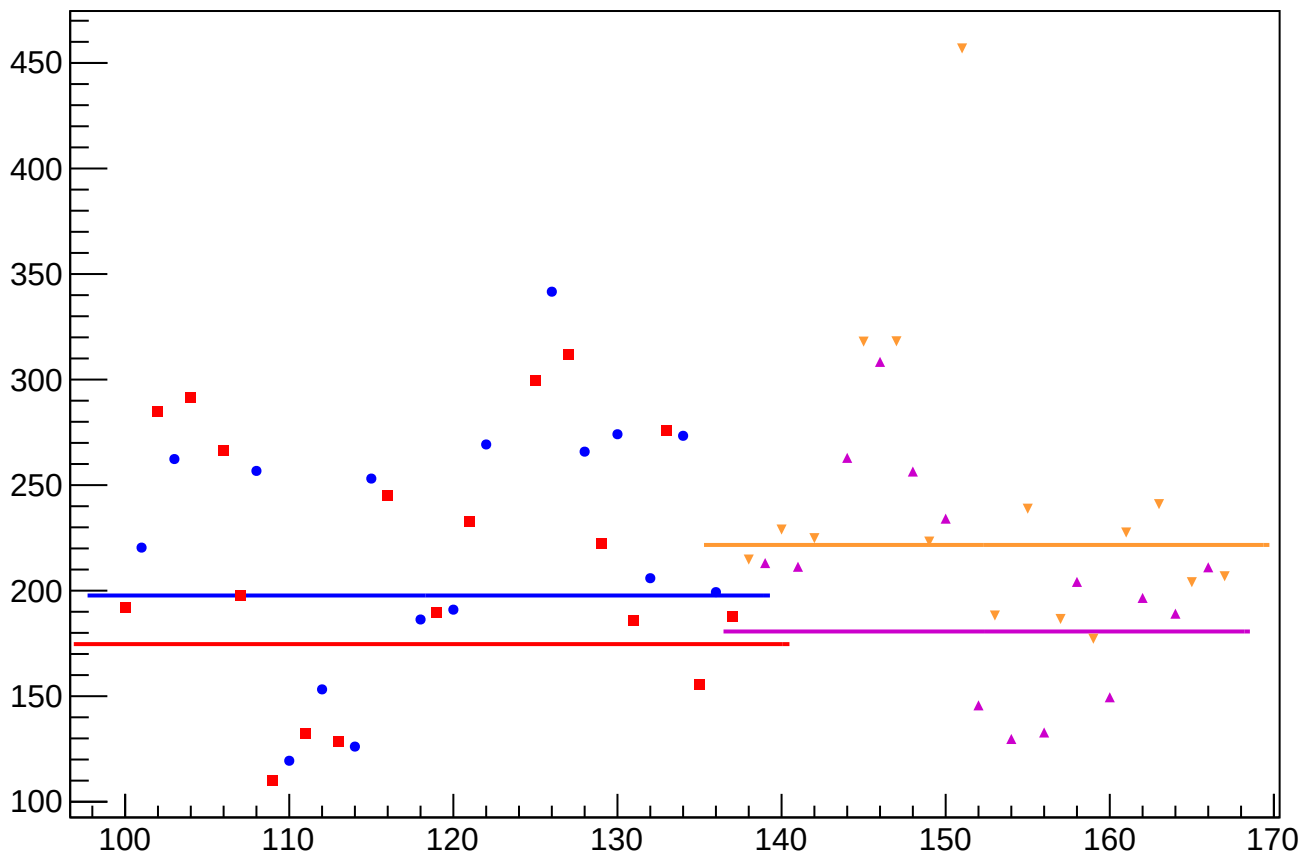
Left In: -138.116 ± 56.576 χ^2/NDF : 5.9/13

+ sign 69.452 ± 50.689 χ^2/NDF : 25.9/30

All: 13.535 ± 33.210 χ^2/NDF : 54.8/62

- sign -28.520 ± 43.960 χ^2/NDF : 26.8/31

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: 221.659 $\pm$ 0.047 χ^2 /NDF:964822.9/14

Right Out: 174.679 $\pm$ 0.049 χ^2 /NDF: 1534751.1/17

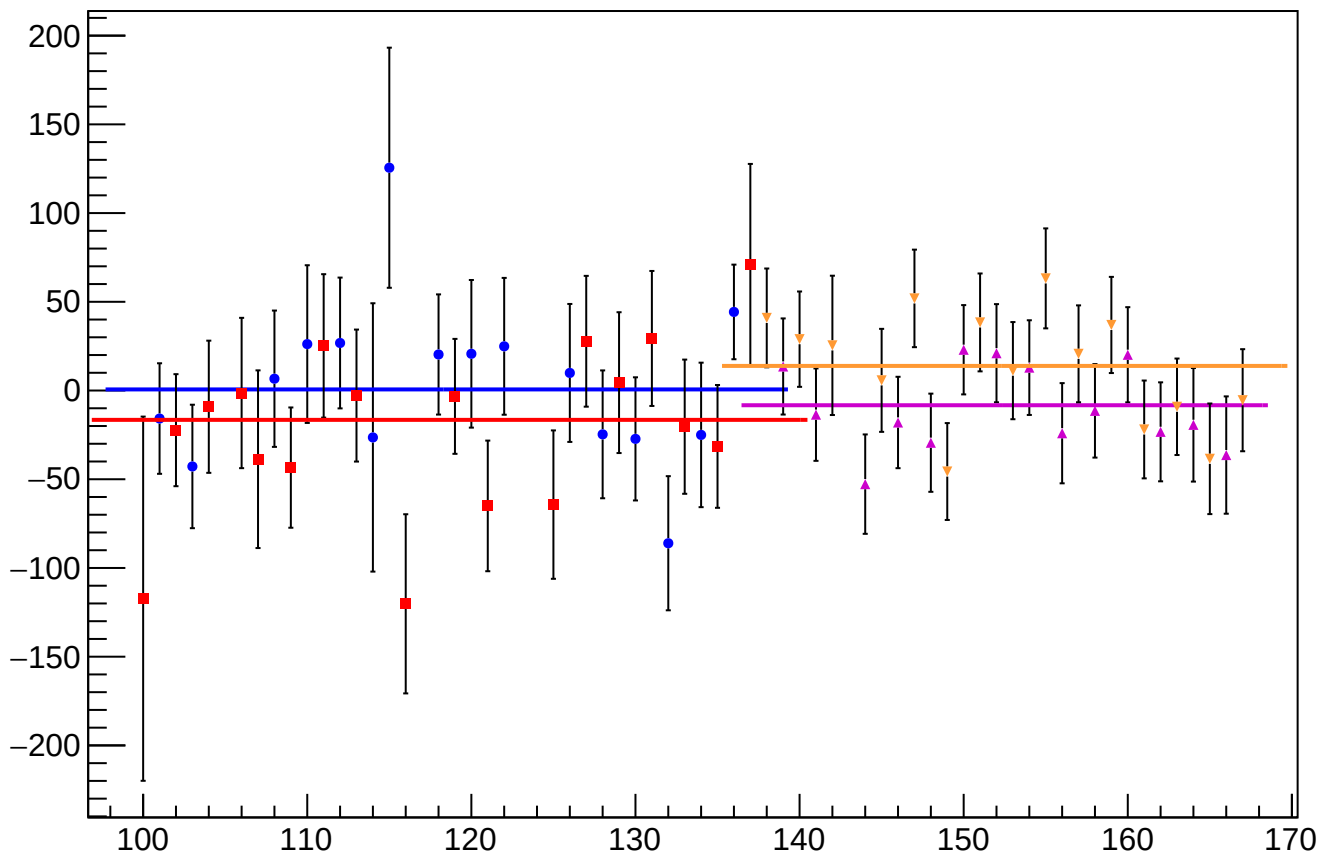
Left In: 180.661 $\pm$ 0.040 χ^2 /NDF:1431192.3/13

+ sign 211.435 $\pm$ 0.036 χ^2 /NDF: 2074395.3/30

All: 192.518 $\pm$ 0.023 χ^2 /NDF: 5537243.2/62

- sign 178.290 $\pm$ 0.031 χ^2 /NDF: 2974802.8/31

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619 ± 9.421 χ^2/NDF : 16.7/15

Left Out: 13.869 ± 7.313 χ^2/NDF : 18.4/14

Right Out: -16.534 ± 9.307 χ^2/NDF : 16.4/17

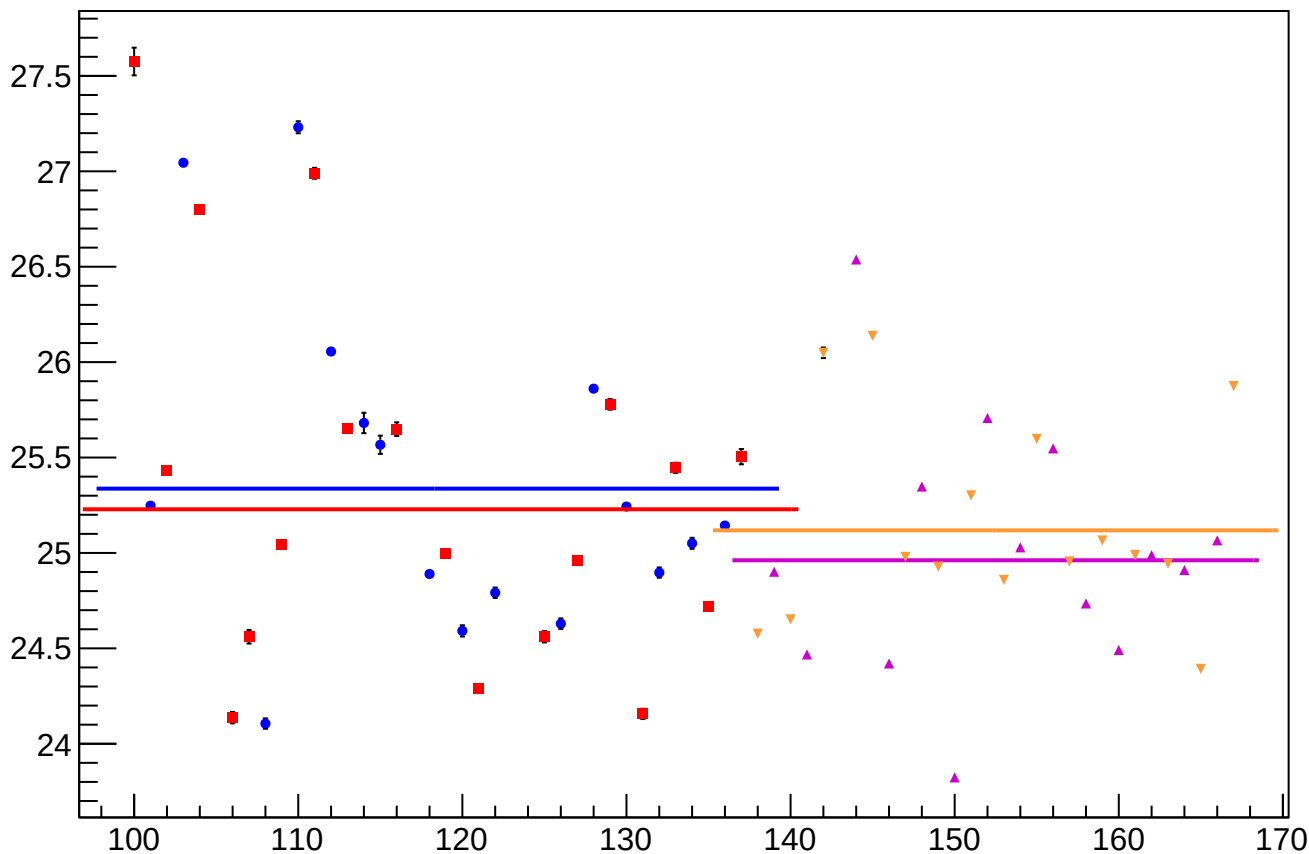
Left In: -8.293 ± 7.356 χ^2/NDF : 9.8/13

+ sign 8.887 ± 5.777 χ^2/NDF : 36.4/30

All: -1.298 ± 4.083 χ^2/NDF : 69.3/62

- sign -11.462 ± 5.771 χ^2/NDF : 26.7/31

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: 25.118 $\pm$ 0.005 χ^2 /NDF: 8617.9/14

Right Out: 25.229 $\pm$ 0.007 χ^2 /NDF: 15176.1/17

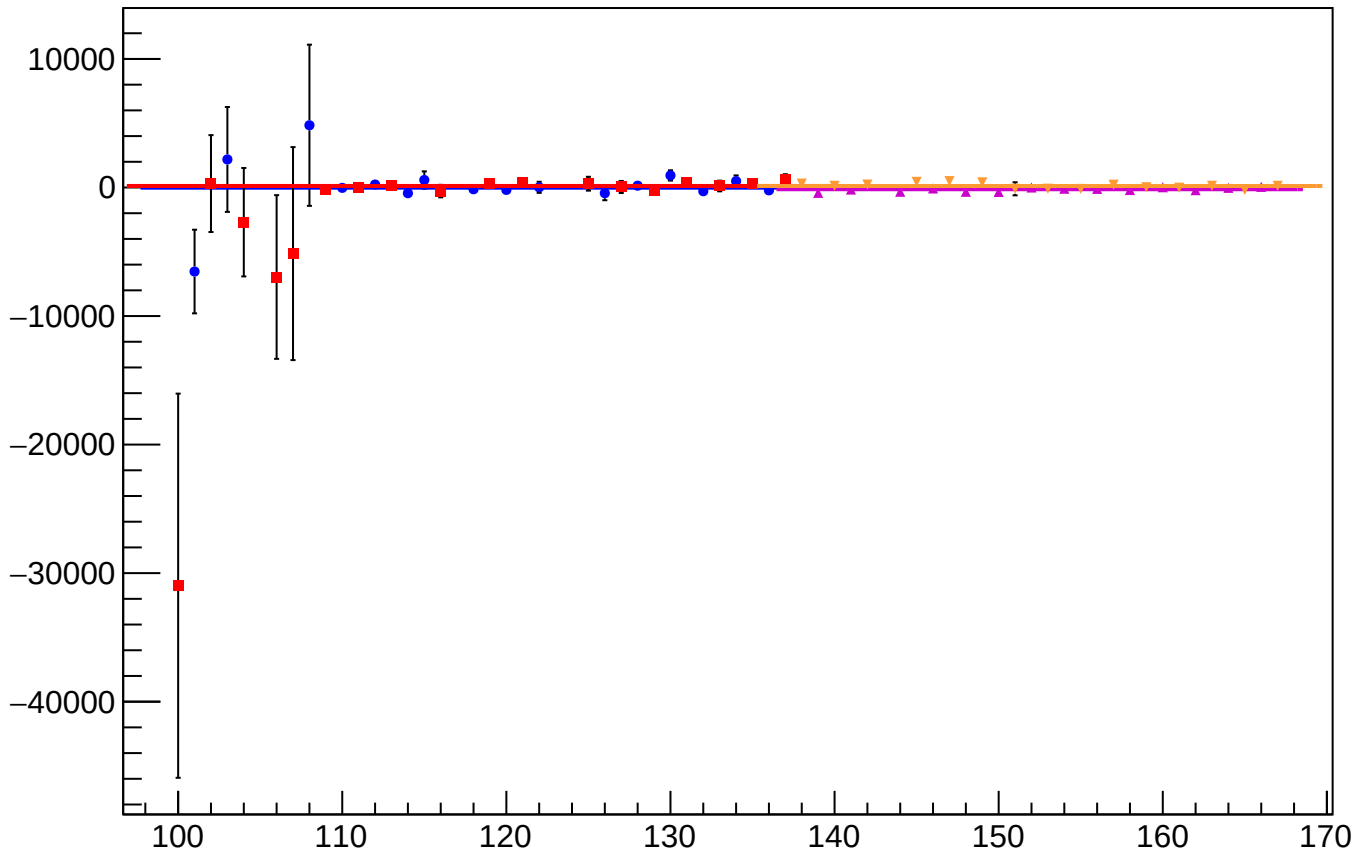
Left In: 24.962 $\pm$ 0.005 χ^2 /NDF: 15543.6/13

+ sign 25.201 $\pm$ 0.004 χ^2 /NDF: 23605.3/30

All: 25.132 $\pm$ 0.003 χ^2 /NDF: 55896.6/62

- sign 25.064 $\pm$ 0.004 χ^2 /NDF: 31734.5/31

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160 $\pm$ 84.454 χ^2 /NDF: 18.3/15

Left Out: 115.774 $\pm$ 67.318 χ^2 /NDF: 7.7/14

Right Out: 119.984 $\pm$ 78.247 χ^2 /NDF: 14.4/17

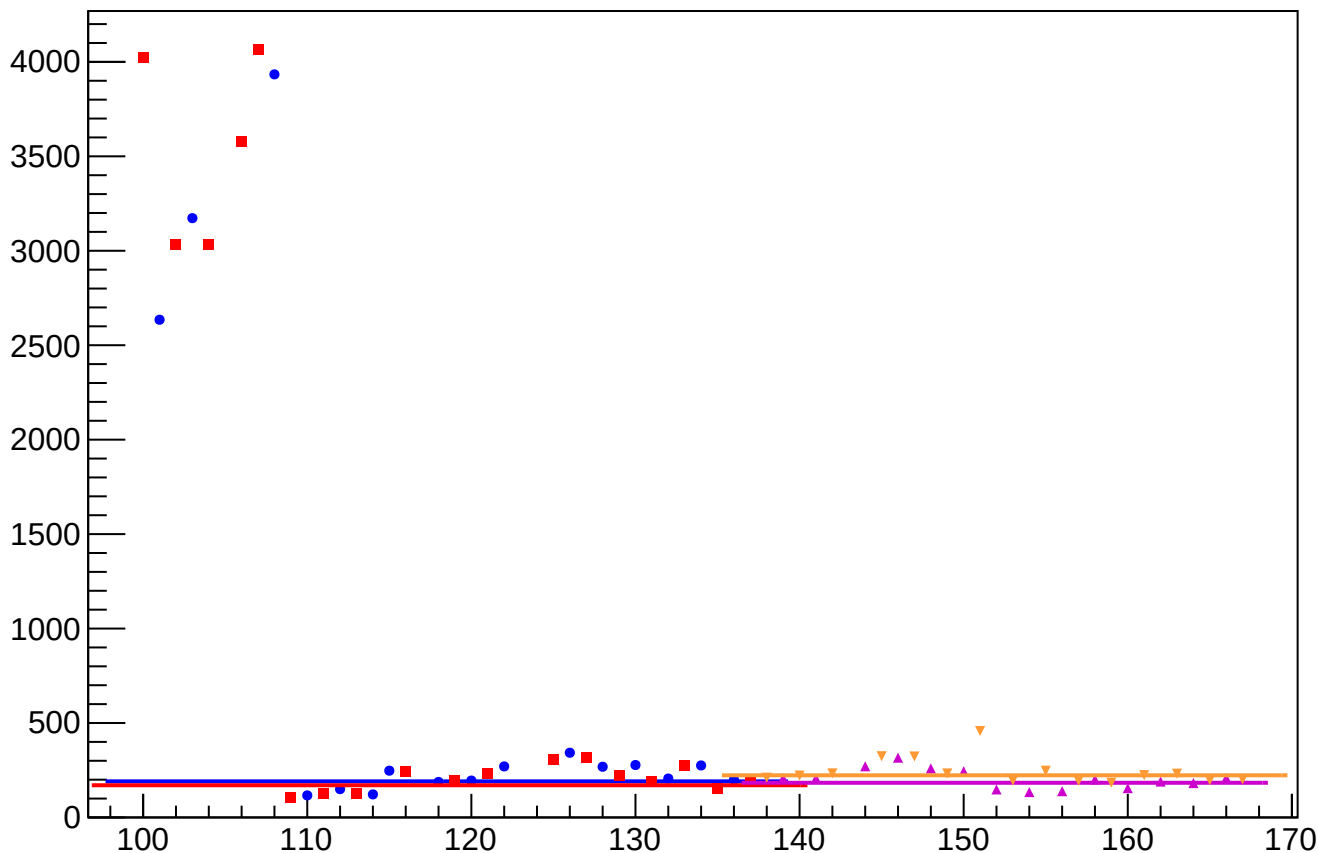
Left In: -135.413 $\pm$ 57.317 χ^2 /NDF: 5.3/13

+ sign 65.682 $\pm$ 52.641 χ^2 /NDF: 27.5/30

All: 2.512 $\pm$ 34.740 χ^2 /NDF: 56.7/62

- sign -46.227 $\pm$ 46.239 χ^2 /NDF: 26.6/31

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF : 3833952.4/15

Left Out: 223.101+/-0.048 χ^2/NDF : 943770.8/14

Right Out: 170.494+/-0.055 χ^2/NDF : 4254820.8/17

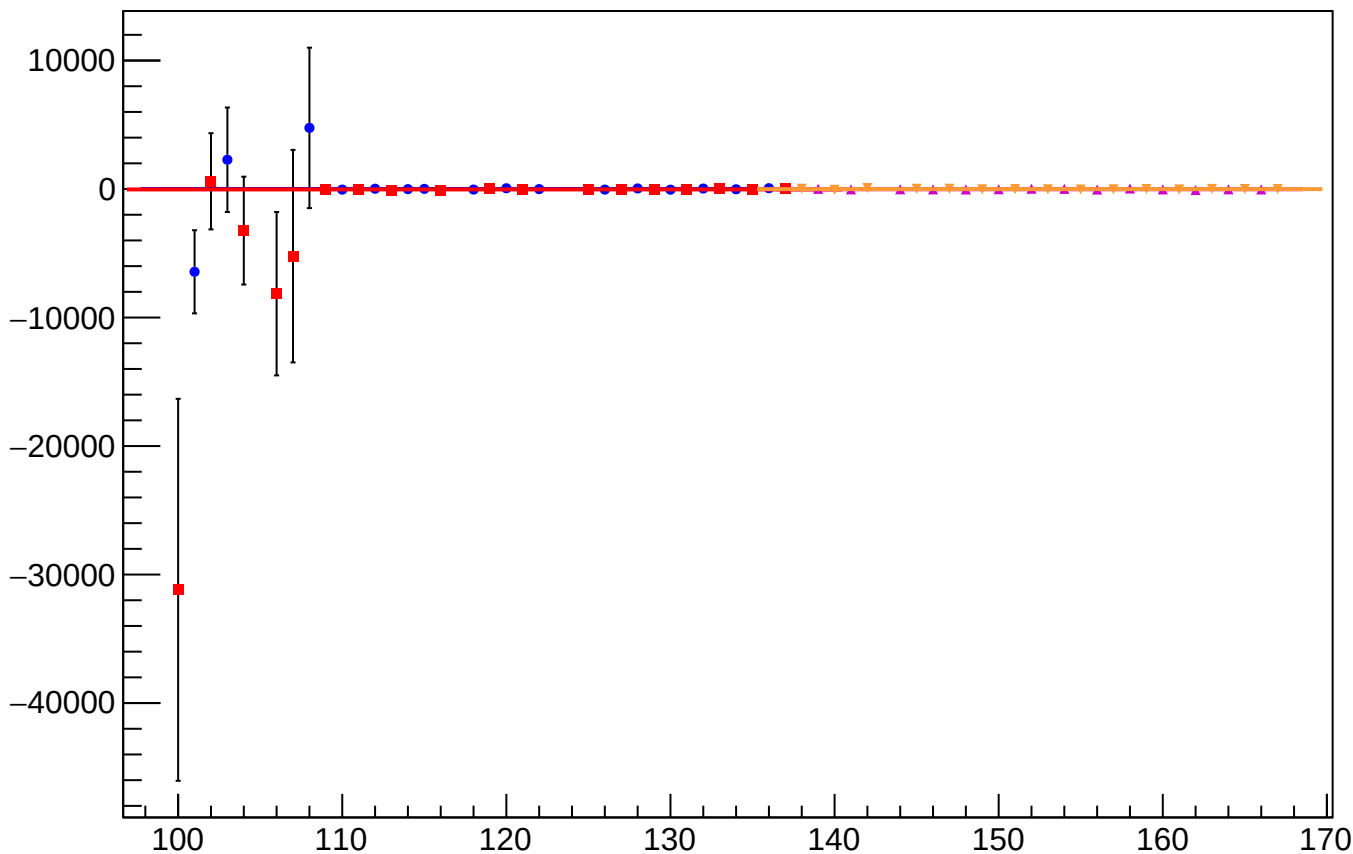
Left In: 183.605+/-0.041 χ^2/NDF : 1315552.4/13

+ sign 210.657+/-0.037 χ^2/NDF : 4953647.1/30

All: 192.802+/-0.025 χ^2/NDF : 10968160.6/62

- sign 179.026+/-0.033 χ^2/NDF : 5606918.4/31

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2 /NDF: 18.3/15

Left Out: -7.112+/-8.427 χ^2 /NDF:10.7/14

Right Out: -30.740+/-12.084 χ^2 /NDF: 19.9/17

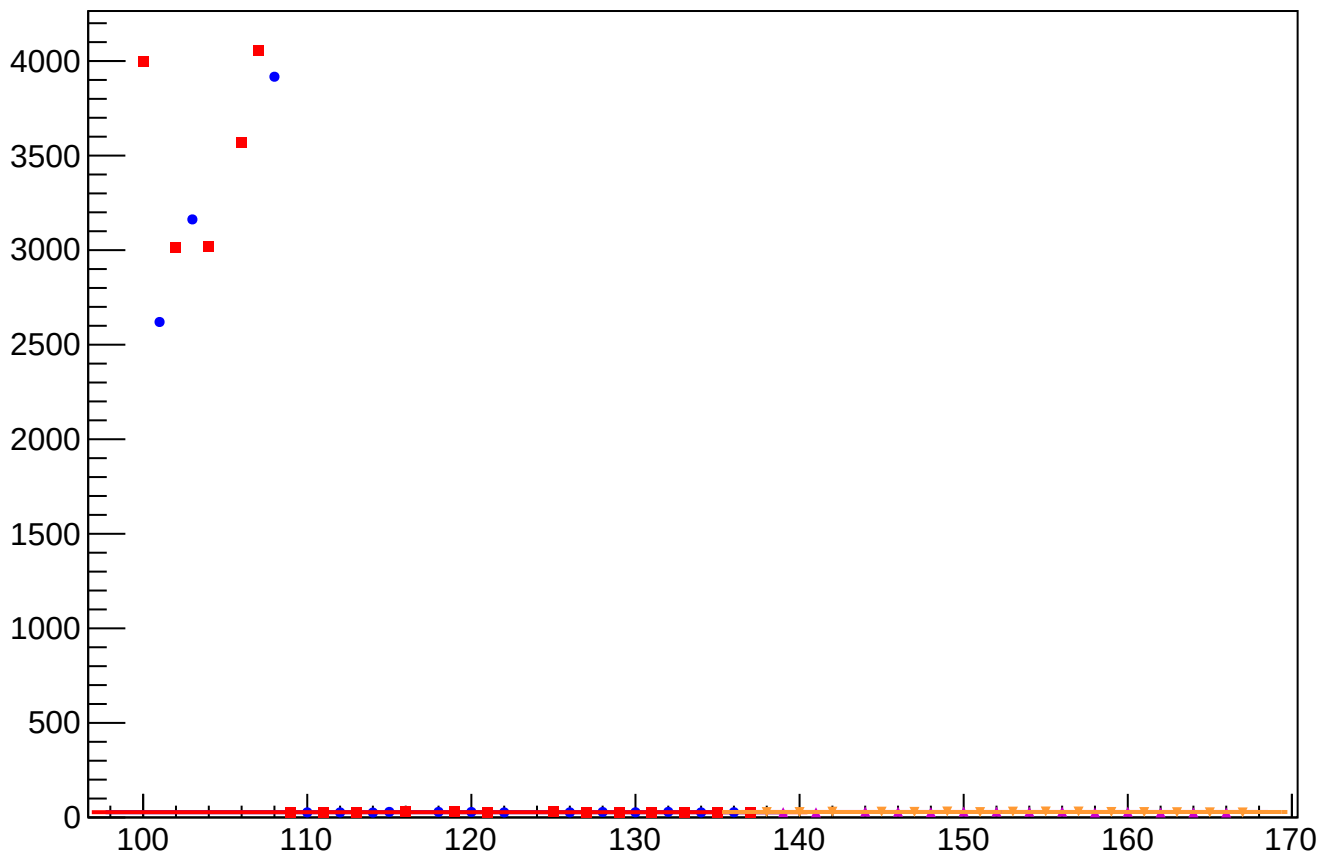
Left In: -13.379+/-8.581 χ^2 /NDF:12.4/13

+ sign -2.499+/-6.851 χ^2 /NDF: 29.9/30

All: -10.673+/-4.895 χ^2 /NDF: 66.4/62

- sign -19.198+/-6.996 χ^2 /NDF: 33.6/31

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2 /NDF: 3265895.3/15

Left Out: 28.883+/-0.006 χ^2 /NDF:69722.3/14

Right Out: 27.778+/-0.009 χ^2 /NDF: 3558398.6/17

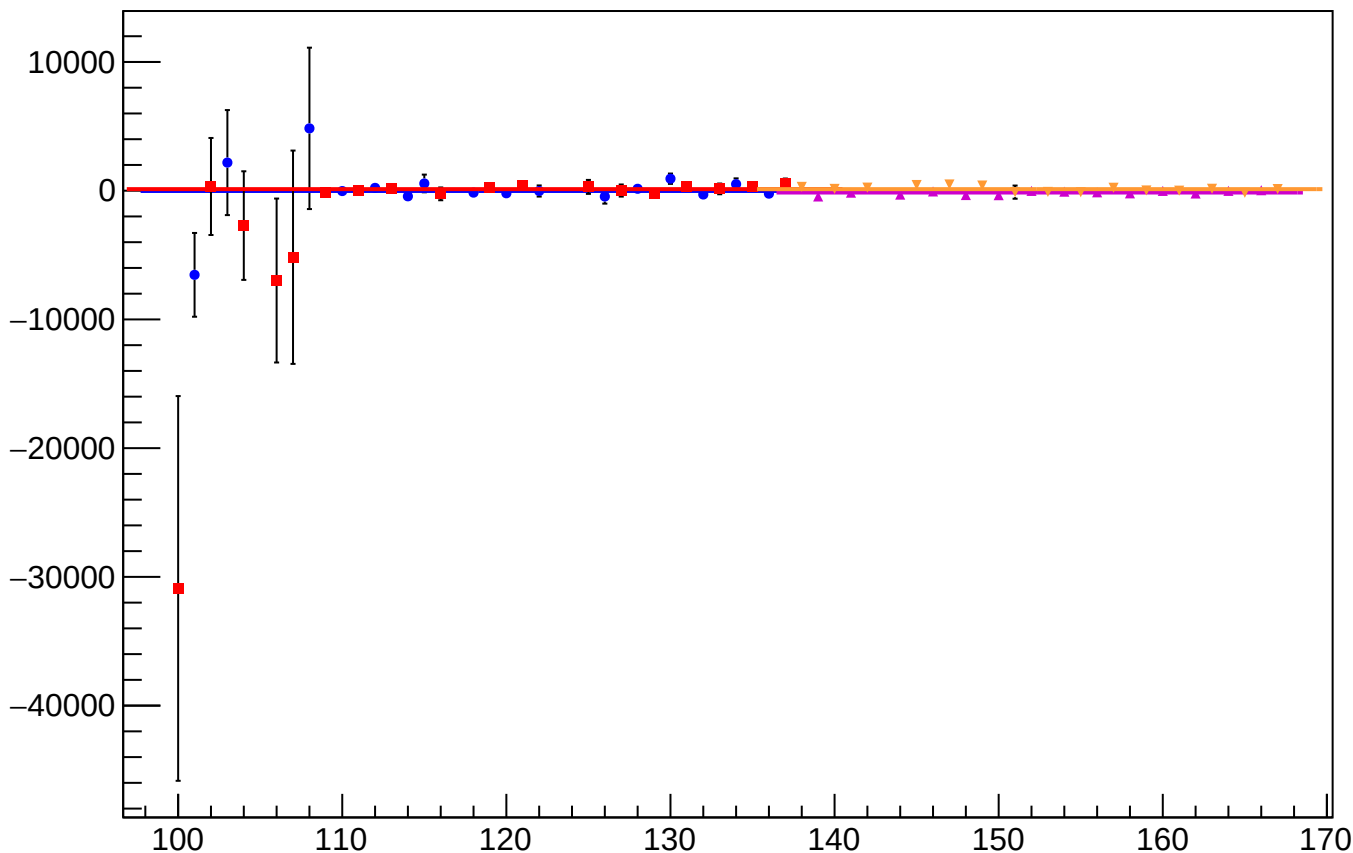
Left In: 29.032+/-0.006 χ^2 /NDF:107641.5/13

+ sign 28.524+/-0.005 χ^2 /NDF: 3346308.4/30

All: 28.567+/-0.003 χ^2 /NDF: 7026824.6/62

- sign 28.612+/-0.005 χ^2 /NDF: 3680355.8/31

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522 ± 85.063 $\chi^2/\text{NDF}: 18.2/15$

Left Out: 120.533 ± 67.840 $\chi^2/\text{NDF}: 7.4/14$

Right Out: 121.544 ± 78.844 $\chi^2/\text{NDF}: 13.2/17$

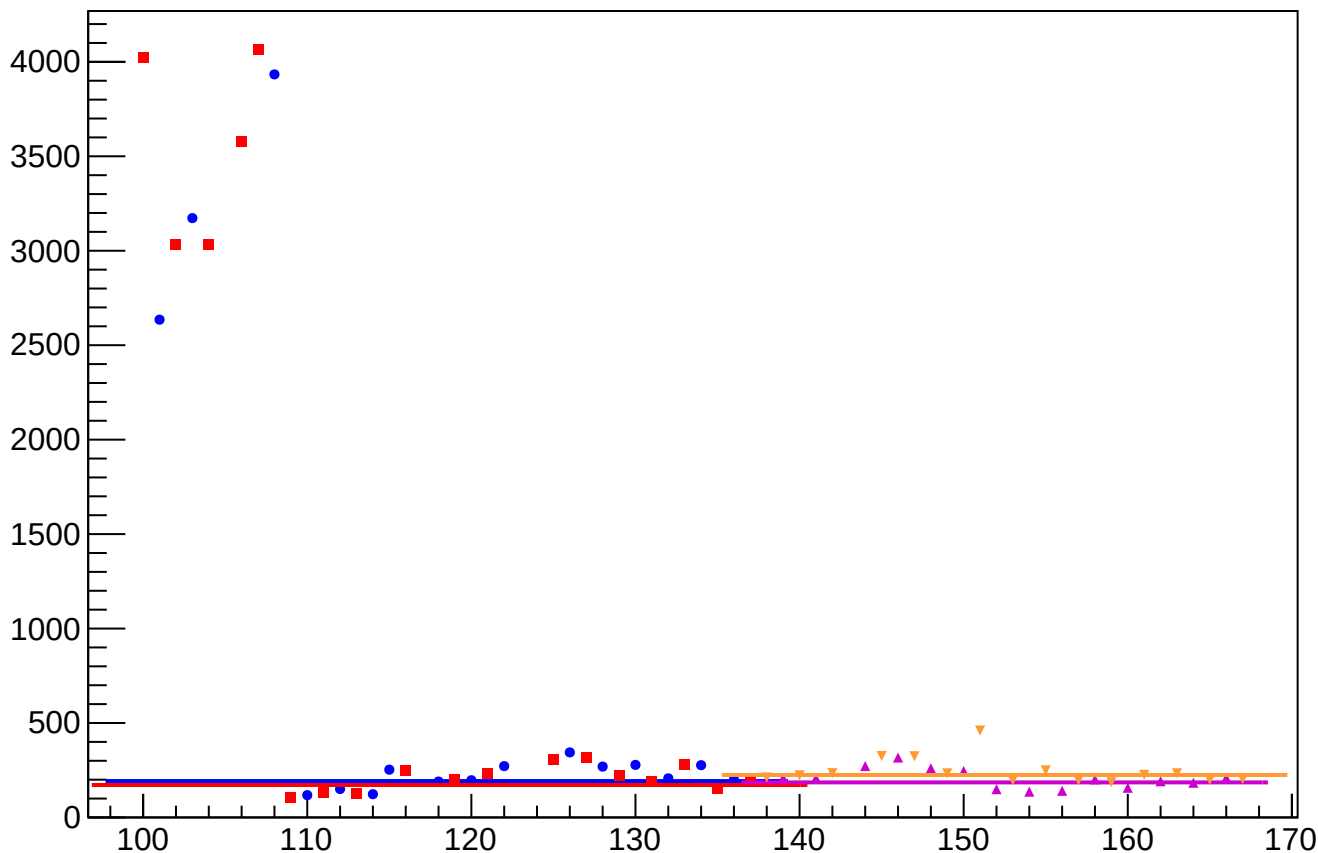
Left In: -141.633 ± 57.862 $\chi^2/\text{NDF}: 5.2/13$

+ sign 66.084 ± 53.038 $\chi^2/\text{NDF}: 27.3/30$

All: 0.909 ± 35.028 $\chi^2/\text{NDF}: 55.7/62$

- sign -49.508 ± 46.648 $\chi^2/\text{NDF}: 25.7/31$

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560 $\pm$ 0.060 χ^2 /NDF: 3822789.1/15

Left Out: 224.939 $\pm$ 0.048 χ^2 /NDF: 929349.7/14

+ sign 212.351 $\pm$ 0.038 χ^2 /NDF: 4929263.6/30

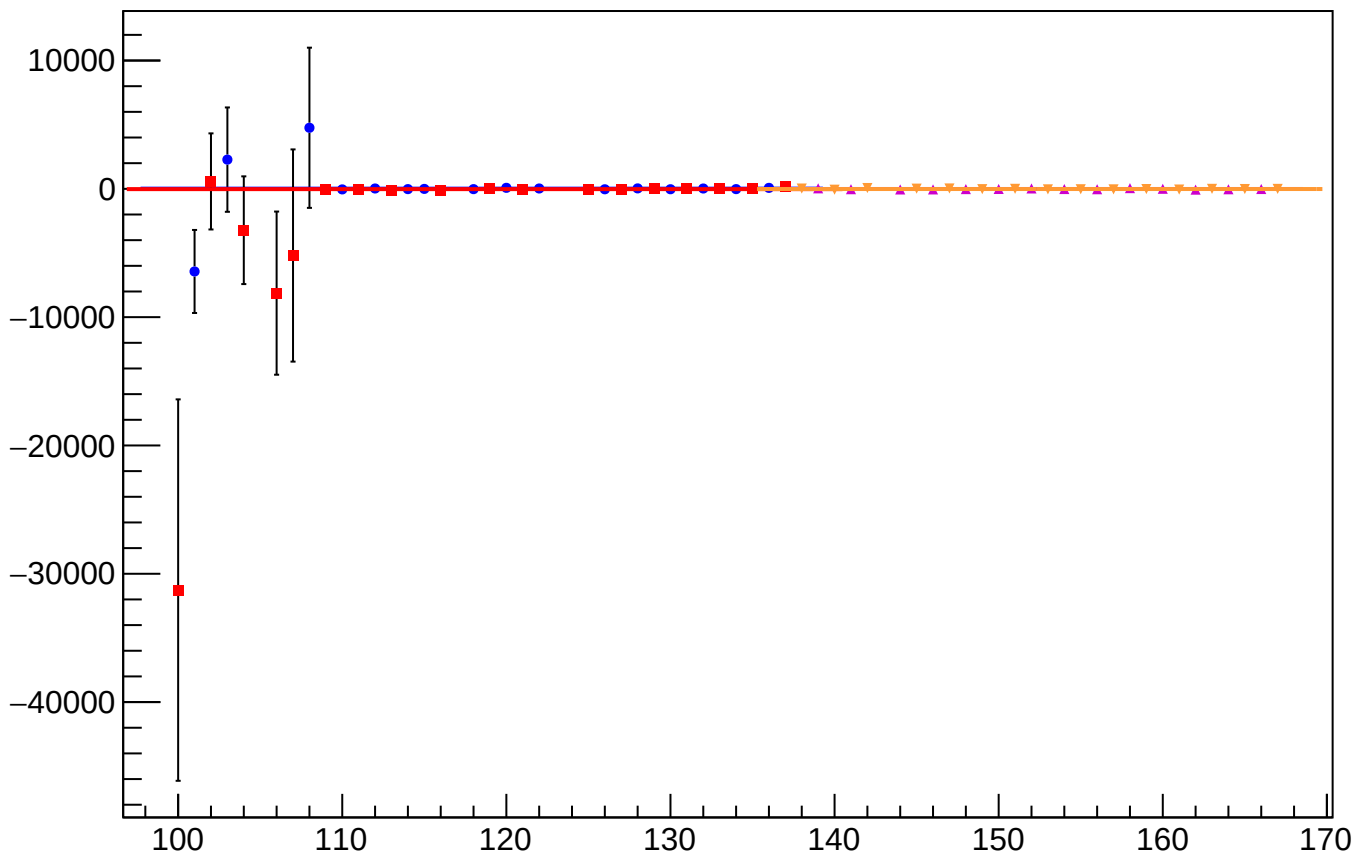
Right Out: 171.899 $\pm$ 0.056 χ^2 /NDF: 4247800.5/17

All: 194.546 $\pm$ 0.025 χ^2 /NDF: 10891350.8/62

- sign 180.773 $\pm$ 0.033 χ^2 /NDF: 5562338.3/31

Left In: 185.552 $\pm$ 0.041 χ^2 /NDF: 1275555.8/13

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF : 15.5/15

Left Out: -14.188+/-9.067 χ^2/NDF : 11.5/14

Right Out: -21.906+/-13.382 χ^2/NDF : 28.4/17

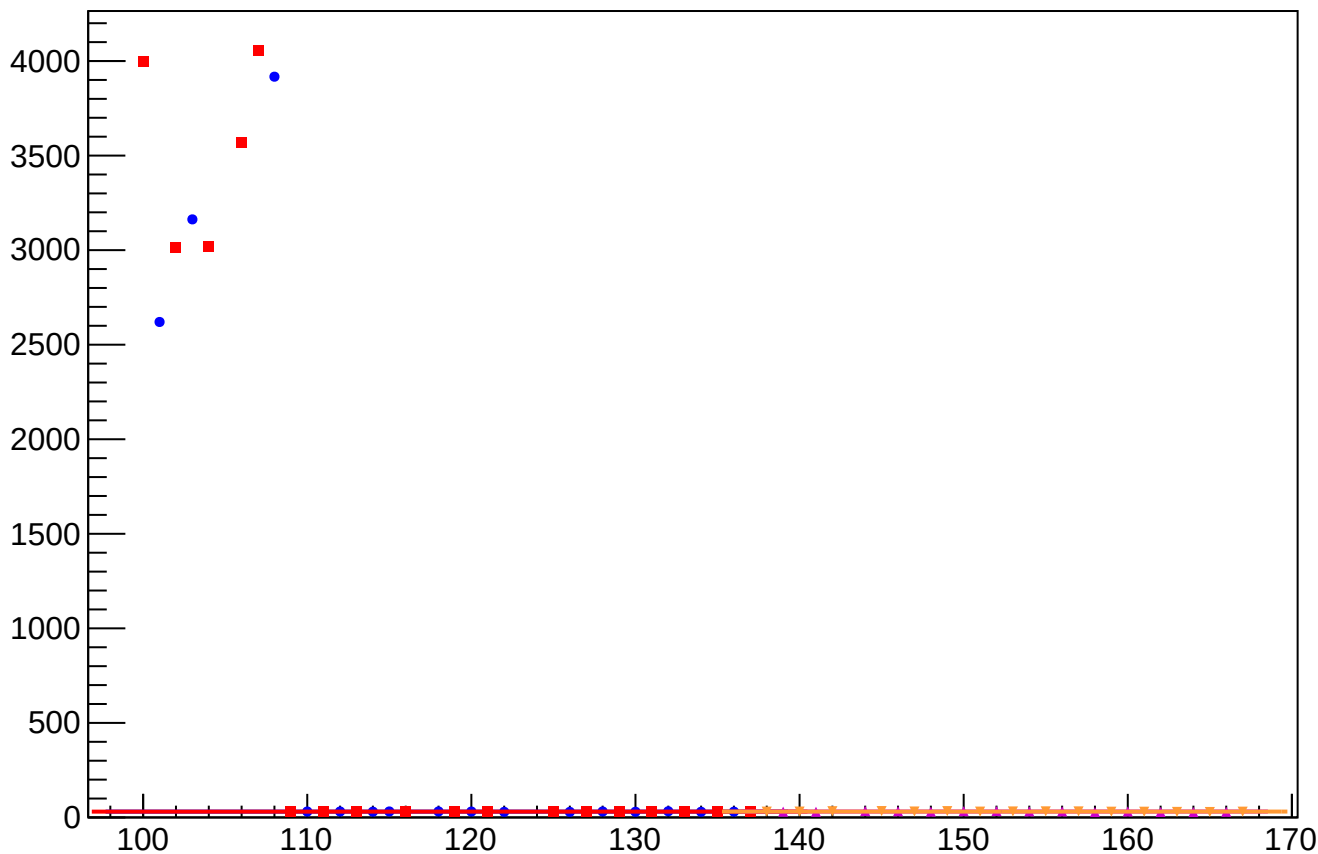
Left In: -10.647+/-9.227 χ^2/NDF : 14.0/13

+ sign -5.115+/-7.448 χ^2/NDF : 30.1/30

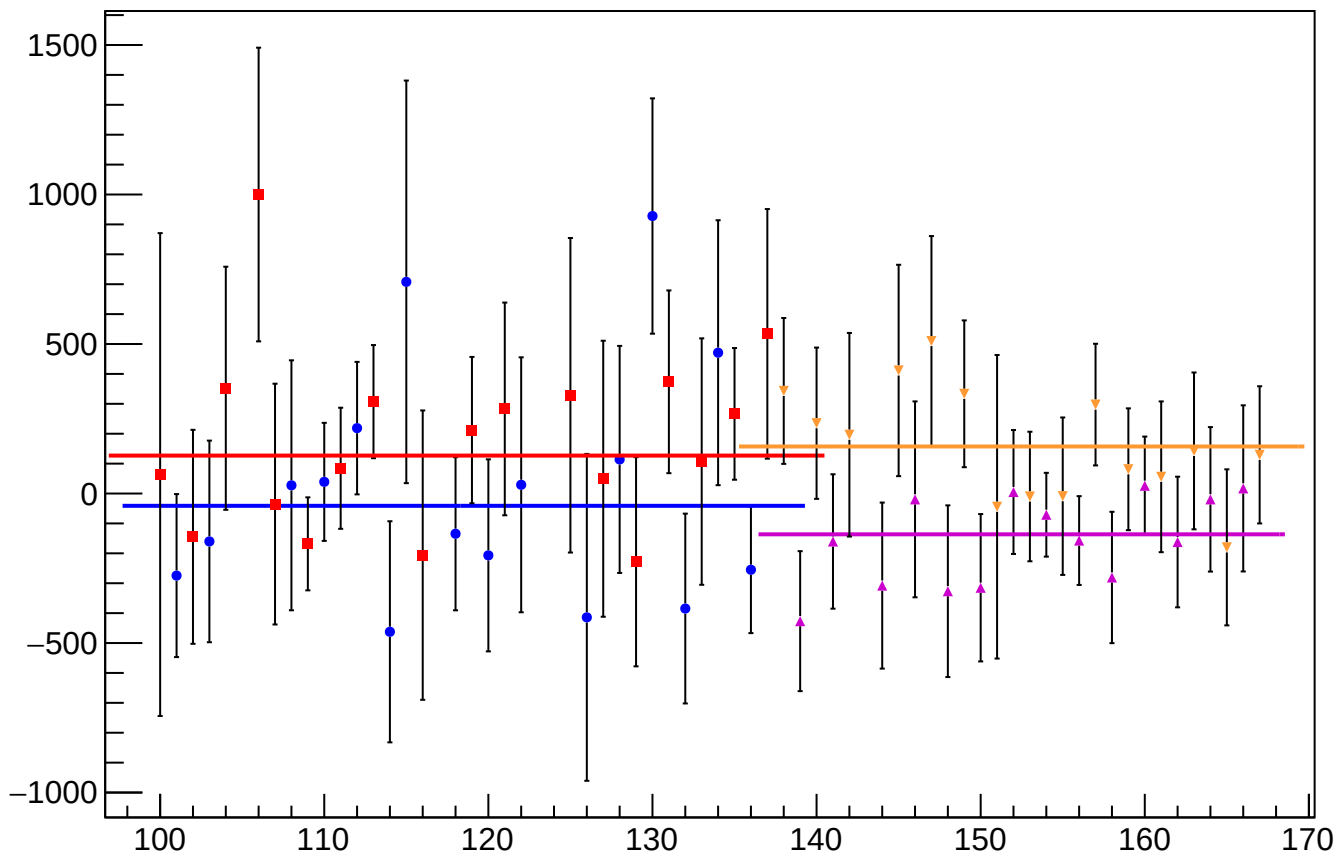
All: -9.605+/-5.318 χ^2/NDF : 73.7/62

- sign -14.274+/-7.596 χ^2/NDF : 42.9/31

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114 ± 77.139 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 157.334 ± 66.574 $\chi^2/\text{NDF}: 6.3/14$

Right Out: 126.896 ± 69.382 $\chi^2/\text{NDF}: 12.8/17$

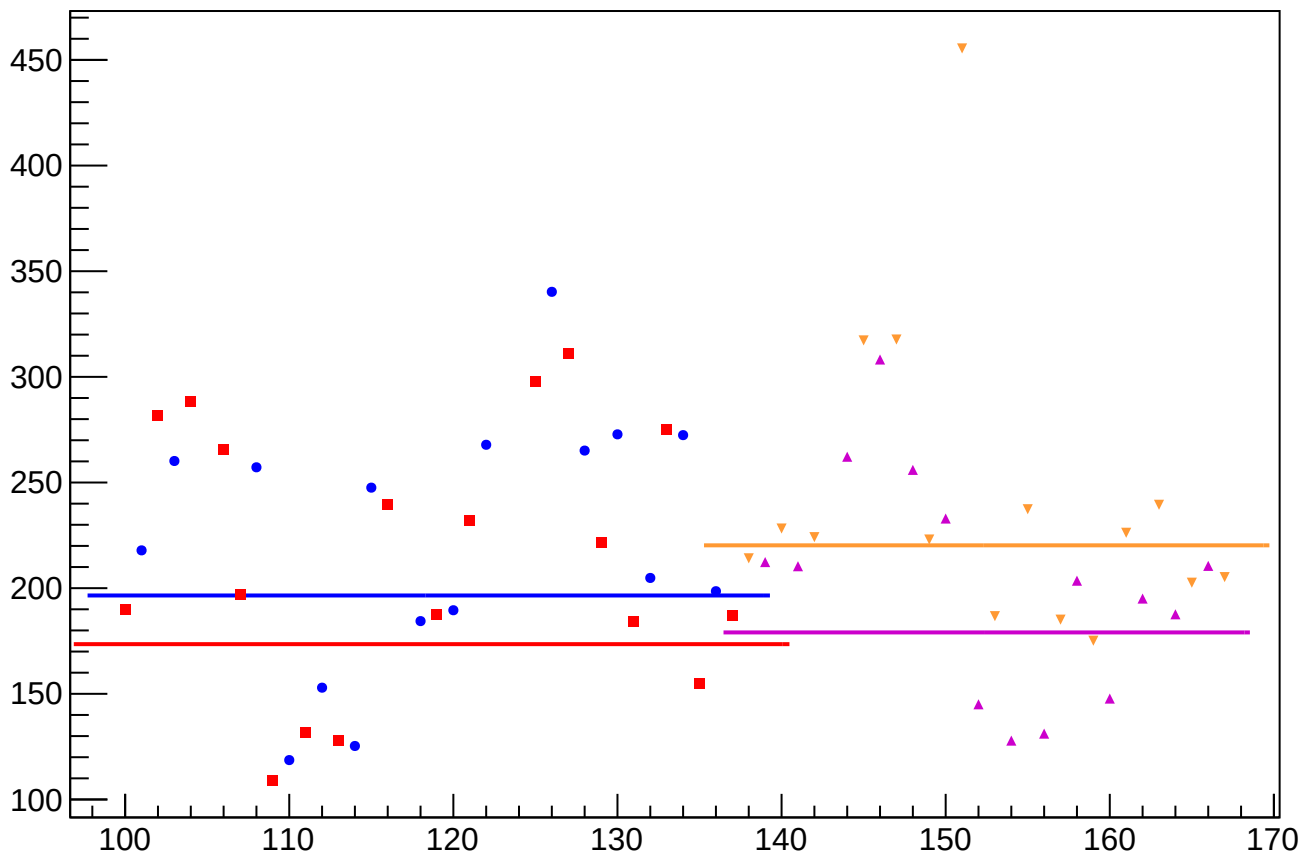
Left In: -136.417 ± 56.140 $\chi^2/\text{NDF}: 5.7/13$

+ sign 72.620 ± 50.400 $\chi^2/\text{NDF}: 25.8/30$

All: 12.698 ± 32.992 $\chi^2/\text{NDF}: 55.4/62$

- sign -32.234 ± 43.643 $\chi^2/\text{NDF}: 27.2/31$

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: 220.274 $\pm$ 0.047 χ^2 /NDF: 981273.2/14

Right Out: 173.509 $\pm$ 0.049 χ^2 /NDF: 1532720.5/17

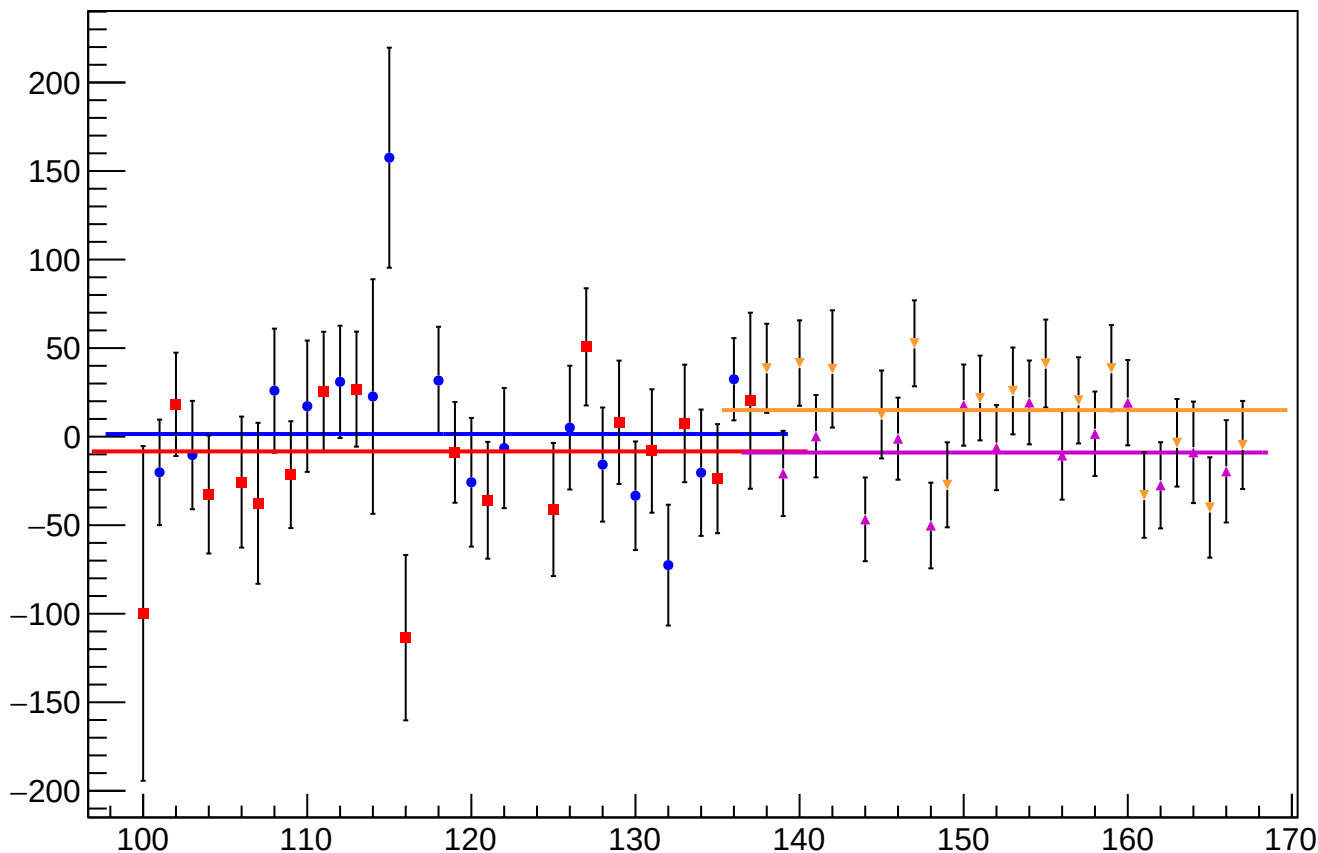
Left In: 179.058 $\pm$ 0.040 χ^2 /NDF: 1474198.2/13

+ sign 210.143 $\pm$ 0.036 χ^2 /NDF: 2090530.4/30

All: 191.124 $\pm$ 0.023 χ^2 /NDF: 5603562.0/62

- sign 176.862 $\pm$ 0.031 χ^2 /NDF: 3014648.4/31

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475 ± 8.370 χ^2/NDF : 18.7/15

Left Out: 14.991 ± 6.469 χ^2/NDF : 19.4/14

Right Out: -8.329 ± 8.286 χ^2/NDF : 16.0/17

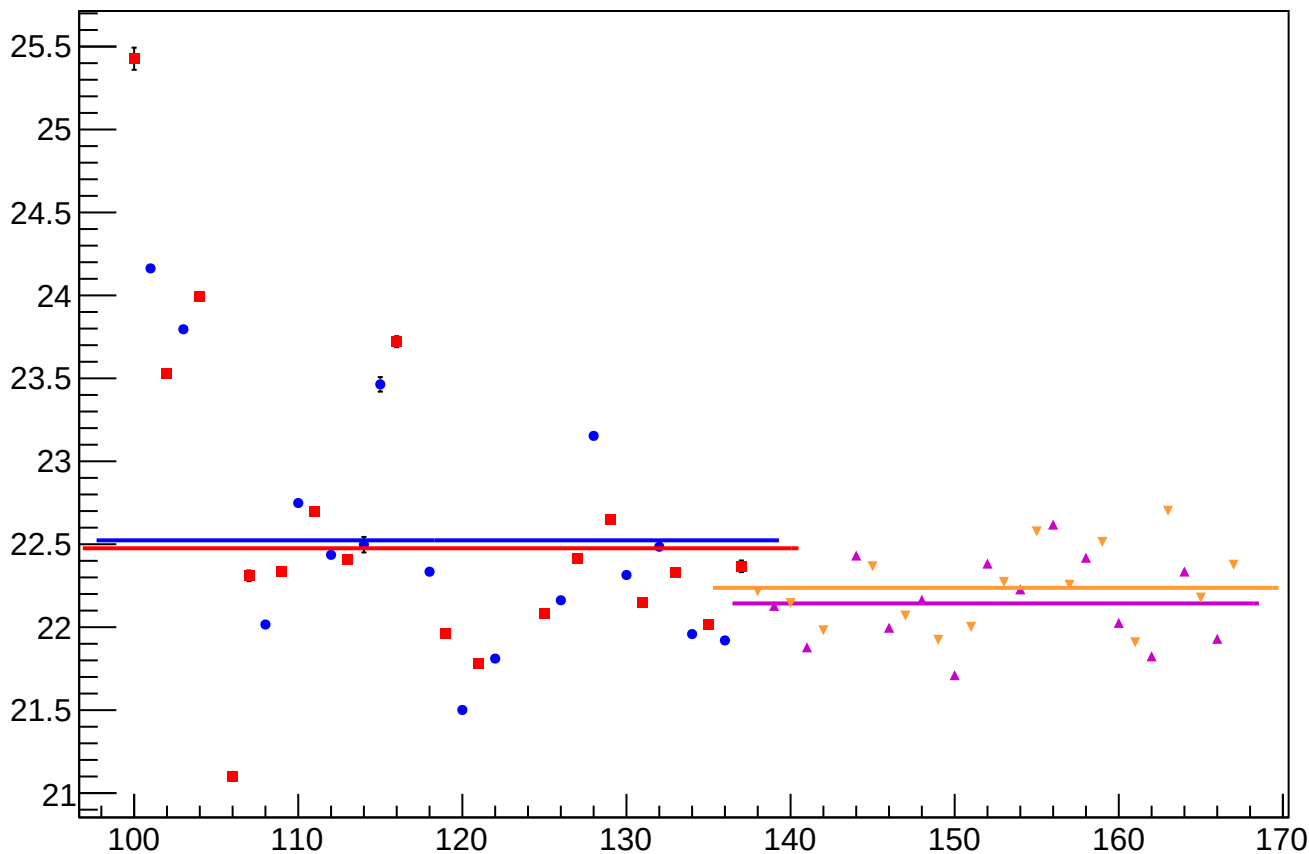
Left In: -8.962 ± 6.518 χ^2/NDF : 11.0/13

+ sign 9.937 ± 5.119 χ^2/NDF : 39.7/30

All: 0.616 ± 3.621 χ^2/NDF : 73.4/62

- sign -8.720 ± 5.123 χ^2/NDF : 27.1/31

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: 22.237 $\pm$ 0.005 χ^2 /NDF: 2621.4/14

Right Out: 22.476 $\pm$ 0.006 χ^2 /NDF: 15536.6/17

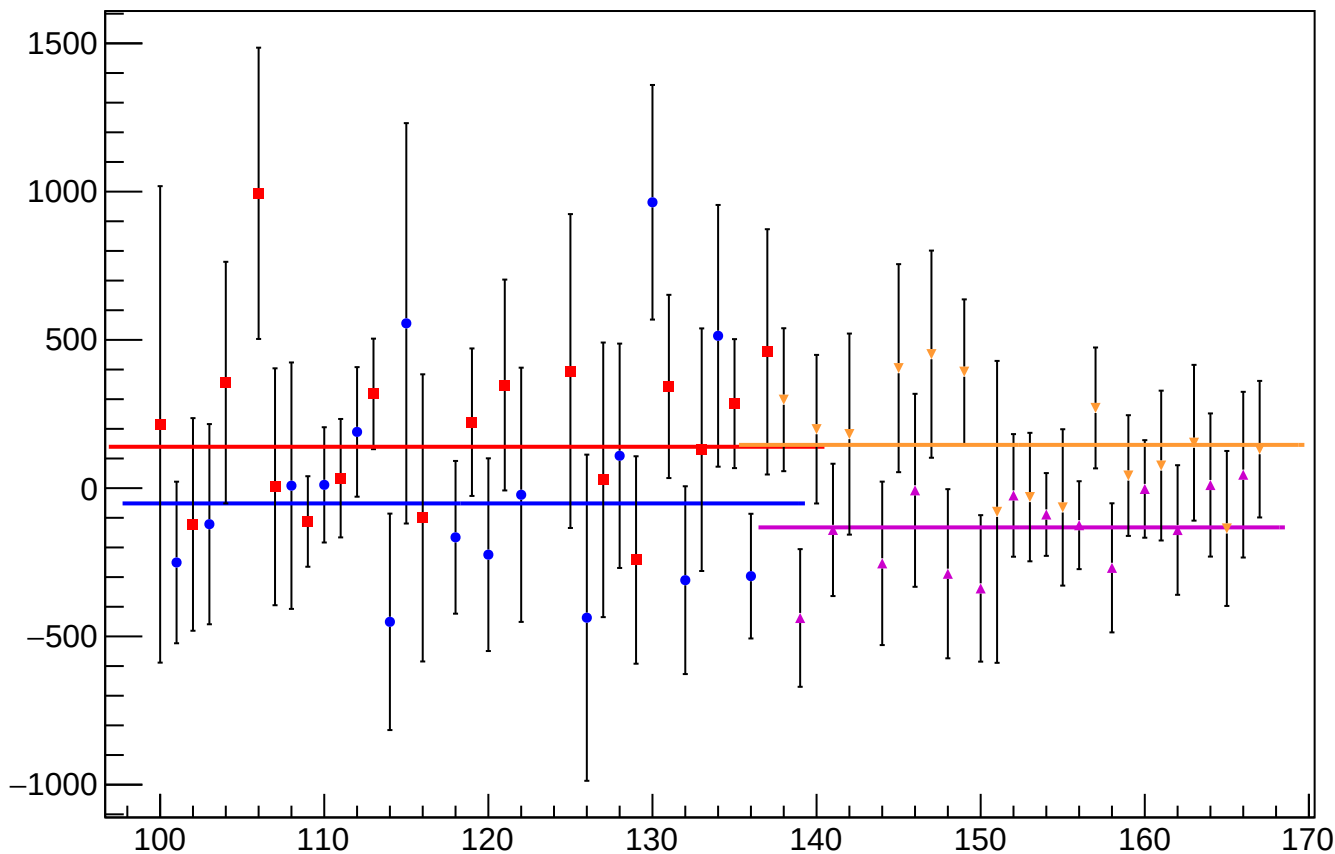
Left In: 22.143 $\pm$ 0.005 χ^2 /NDF: 3156.0/13

+ sign 22.344 $\pm$ 0.004 χ^2 /NDF: 20033.1/30

All: 22.307 $\pm$ 0.003 χ^2 /NDF: 40925.0/62

- sign 22.270 $\pm$ 0.004 χ^2 /NDF: 20682.3/31

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: 145.903 ± 66.459 $\chi^2/\text{NDF}: 6.2/14$

Right Out: 139.546 ± 68.888 $\chi^2/\text{NDF}: 11.6/17$

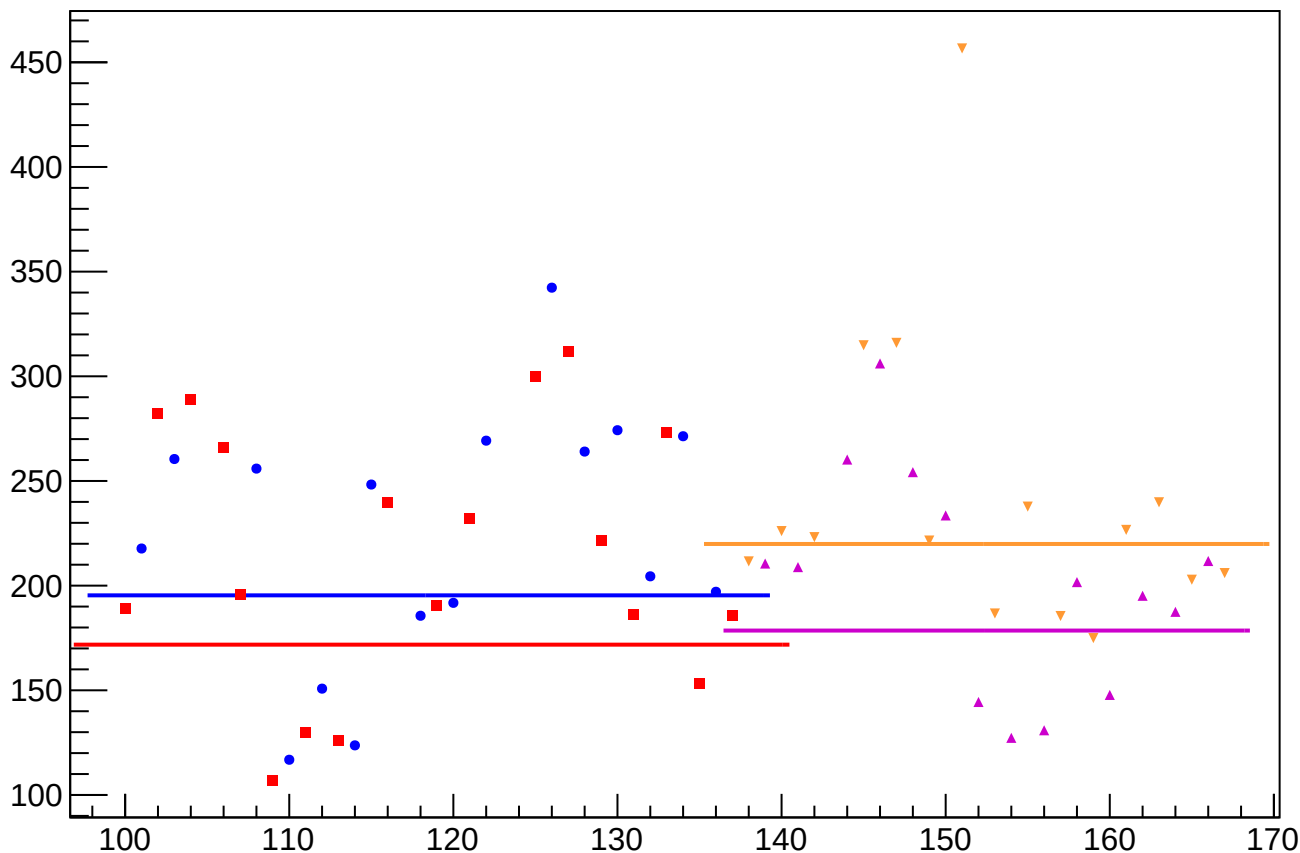
Left In: -132.311 ± 55.979 $\chi^2/\text{NDF}: 5.2/13$

+ sign 61.378 ± 50.254 $\chi^2/\text{NDF}: 25.3/30$

All: 12.406 ± 32.866 $\chi^2/\text{NDF}: 53.1/62$

- sign -24.192 ± 43.444 $\chi^2/\text{NDF}: 26.1/31$

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361 $\pm$ 0.054 χ^2 /NDF: 1041432.1/15

Left Out: 219.903 $\pm$ 0.047 χ^2 /NDF: 973586.2/14

Right Out: 171.805 $\pm$ 0.049 χ^2 /NDF: 1600663.6/17

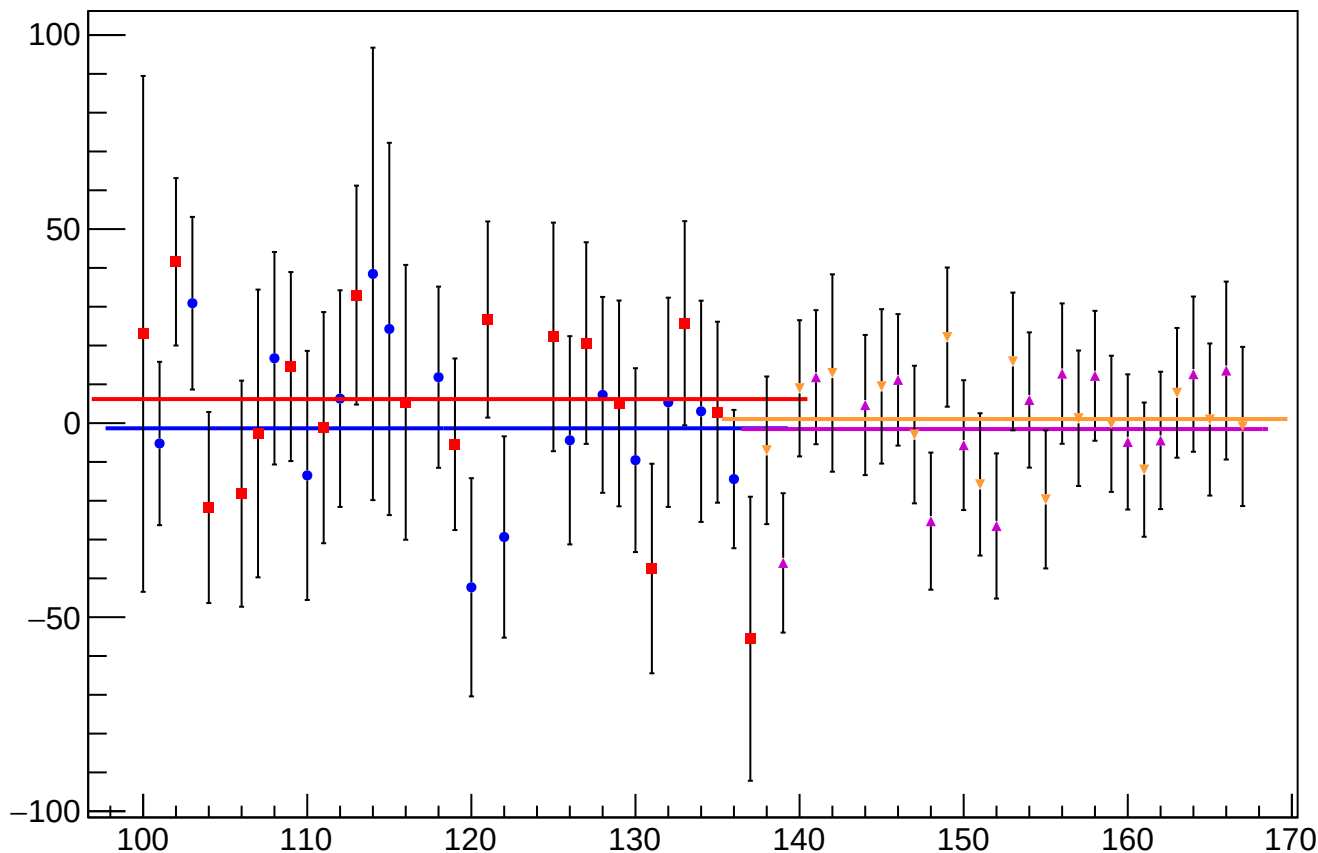
Left In: 178.541 $\pm$ 0.040 χ^2 /NDF: 1463630.0/13

+ sign 209.394 $\pm$ 0.036 χ^2 /NDF: 2131805.2/30

All: 190.203 $\pm$ 0.023 χ^2 /NDF: 5717218.6/62

- sign 175.862 $\pm$ 0.031 χ^2 /NDF: 3075810.3/31

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331 ± 6.499 χ^2/NDF : 8.0/15

Left Out: 1.055 ± 4.761 χ^2/NDF : 5.9/14

Right Out: 6.195 ± 6.473 χ^2/NDF : 13.5/17

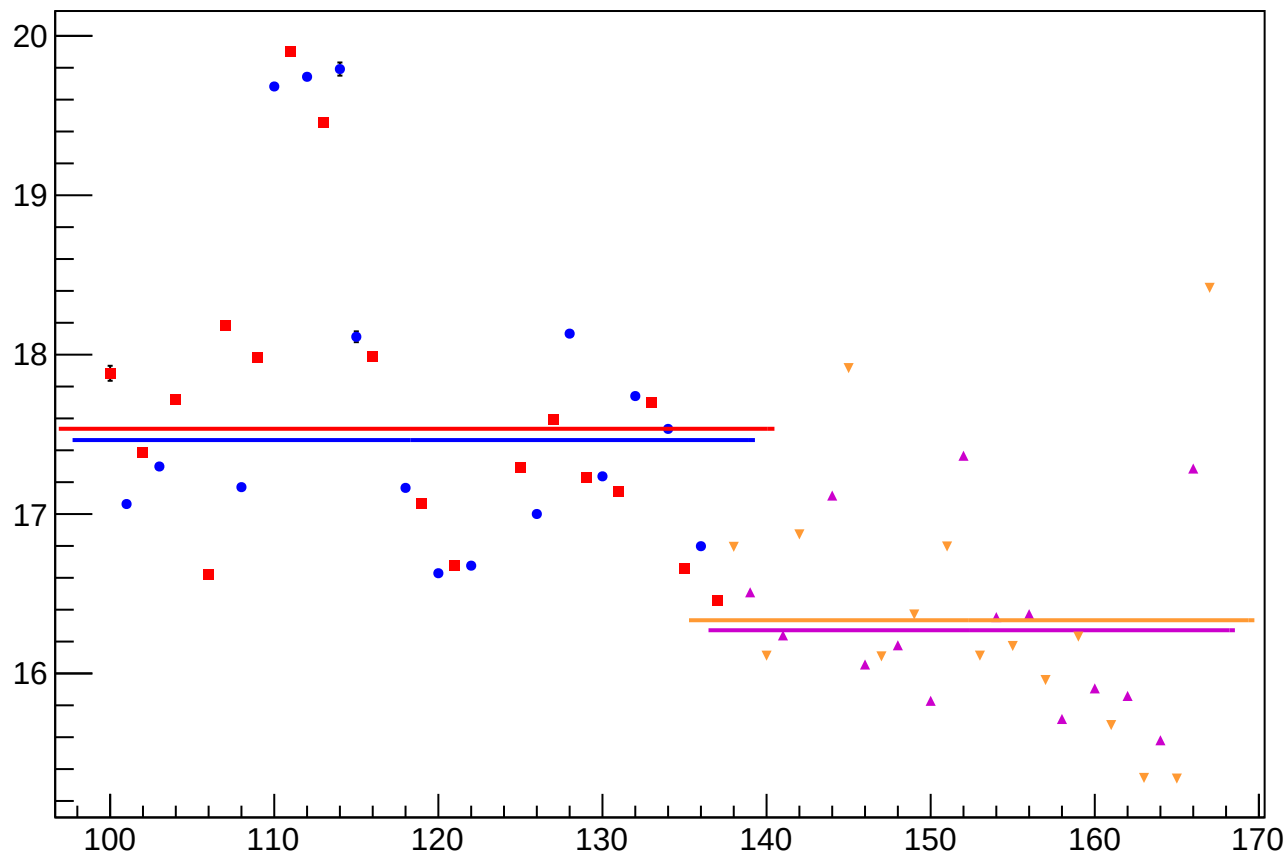
Left In: -1.526 ± 4.797 χ^2/NDF : 11.1/13

+ sign 0.222 ± 3.841 χ^2/NDF : 14.0/30

All: 0.715 ± 2.721 χ^2/NDF : 39.5/62

- sign 1.212 ± 3.854 χ^2/NDF : 25.5/31

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF : 36650.1/15

Left Out: 16.334+/-0.003 χ^2/NDF : 53838.4/14

Right Out: 17.535+/-0.005 χ^2/NDF : 34475.1/17

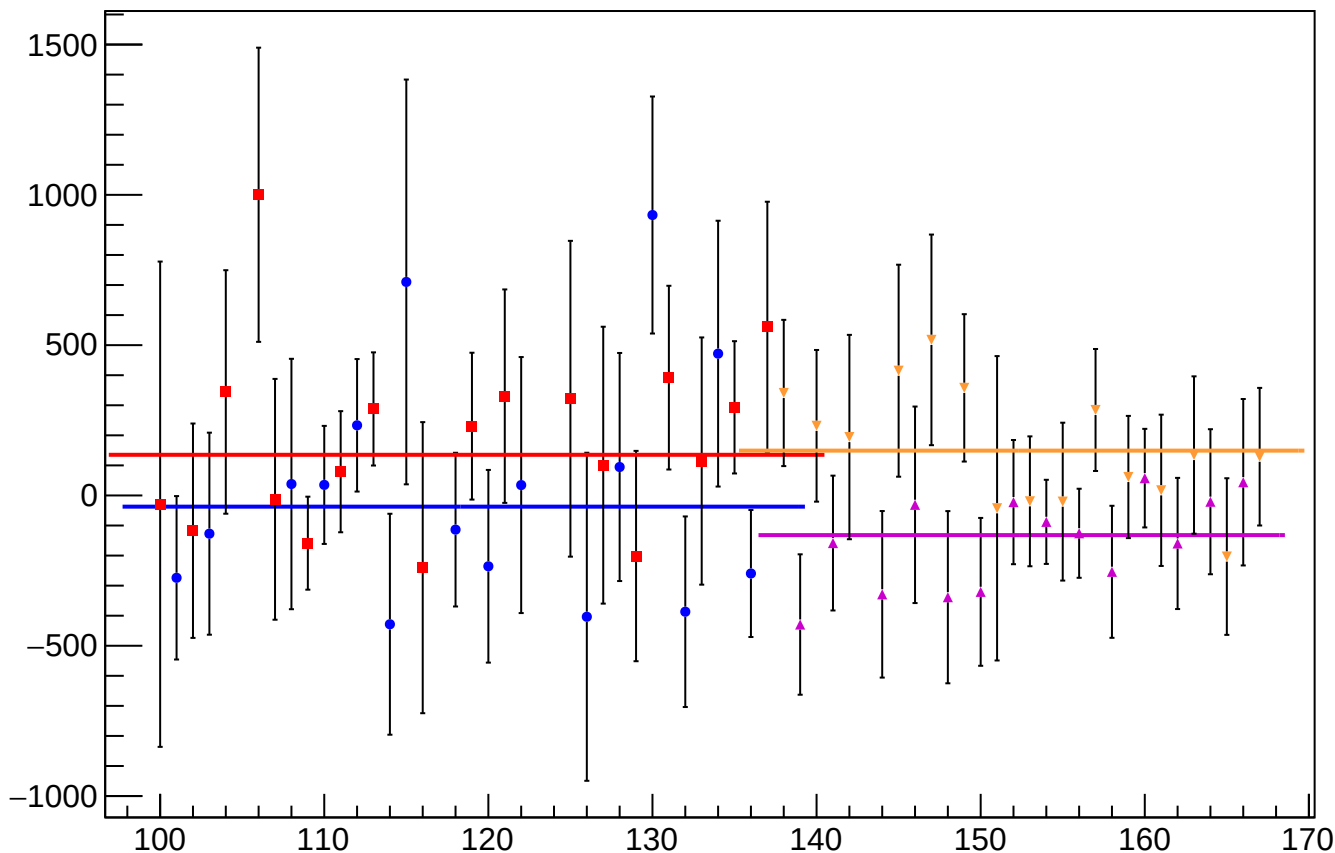
Left In: 16.271+/-0.003 χ^2/NDF : 23945.0/13

+ sign 16.729+/-0.003 χ^2/NDF : 129867.5/30

All: 16.724+/-0.002 χ^2/NDF : 237521.2/62

- sign 16.719+/-0.003 χ^2/NDF : 107647.8/31

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241 ± 76.915 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 149.151 ± 66.427 $\chi^2/\text{NDF}: 7.1/14$

Right Out: 135.279 ± 69.157 $\chi^2/\text{NDF}: 12.8/17$

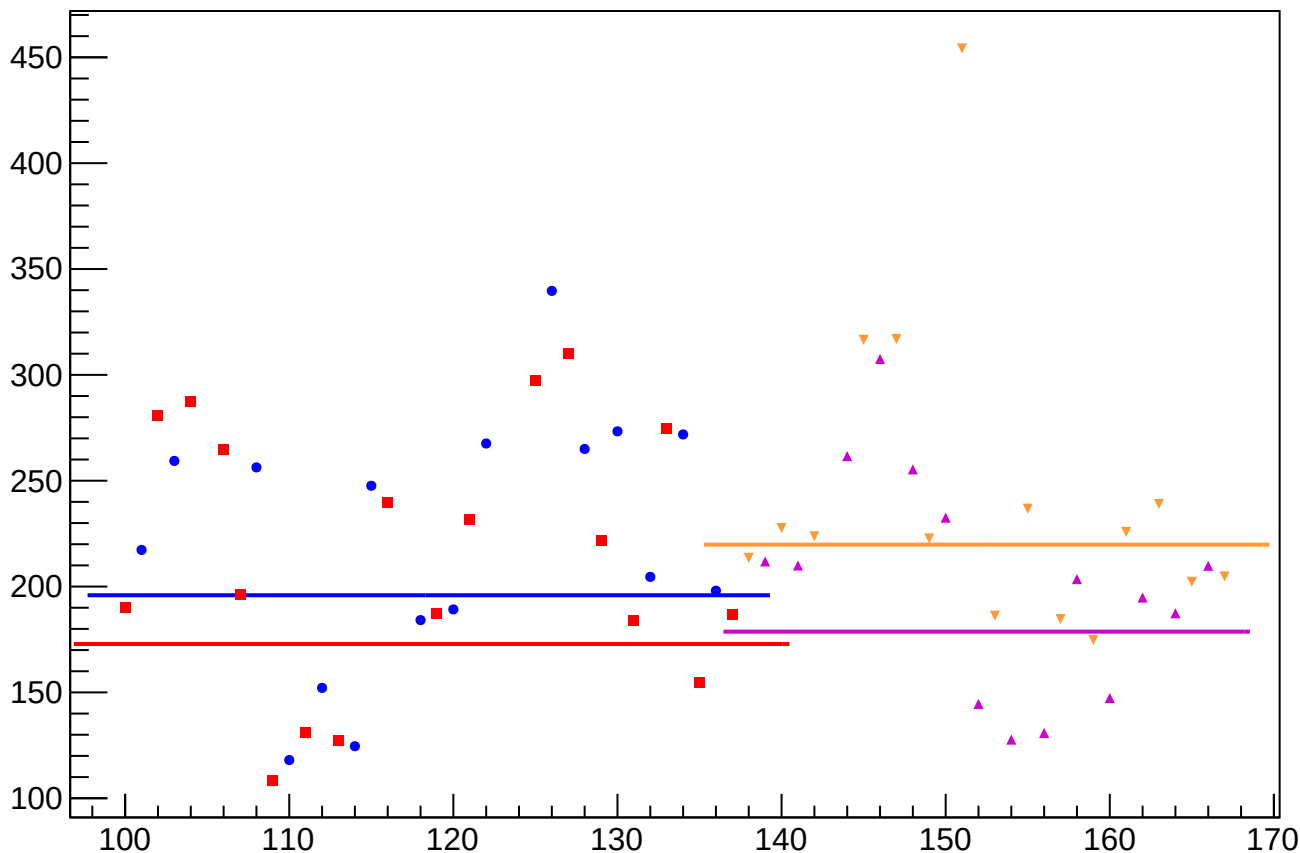
Left In: -131.923 ± 56.028 $\chi^2/\text{NDF}: 6.0/13$

+ sign 69.520 ± 50.273 $\chi^2/\text{NDF}: 26.1/30$

All: 14.910 ± 32.910 $\chi^2/\text{NDF}: 56.0/62$

- sign -26.040 ± 43.534 $\chi^2/\text{NDF}: 27.8/31$

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: 219.791 $\pm$ 0.047 χ^2 /NDF: 980992.8/14

Right Out: 172.873 $\pm$ 0.049 χ^2 /NDF: 1543258.3/17

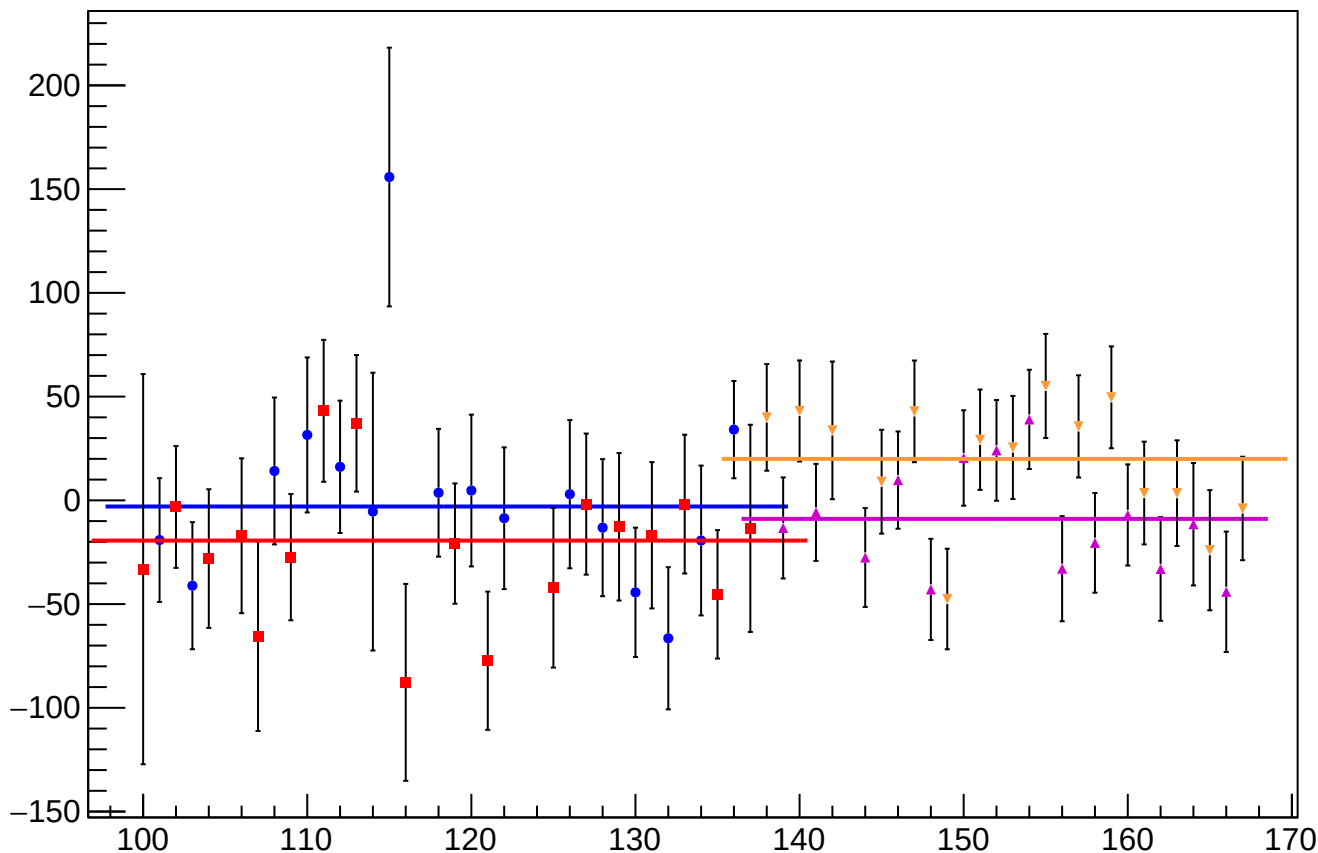
Left In: 178.704 $\pm$ 0.040 χ^2 /NDF: 1474270.2/13

+ sign 209.584 $\pm$ 0.036 χ^2 /NDF: 2102535.2/30

All: 190.617 $\pm$ 0.023 χ^2 /NDF: 5626821.7/62

- sign 176.393 $\pm$ 0.031 χ^2 /NDF: 3026113.2/31

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967 ± 8.454 χ^2/NDF : 17.9/15

Left Out: 19.969 ± 6.554 χ^2/NDF : 18.6/14

Right Out: -19.387 ± 8.381 χ^2/NDF : 14.5/17

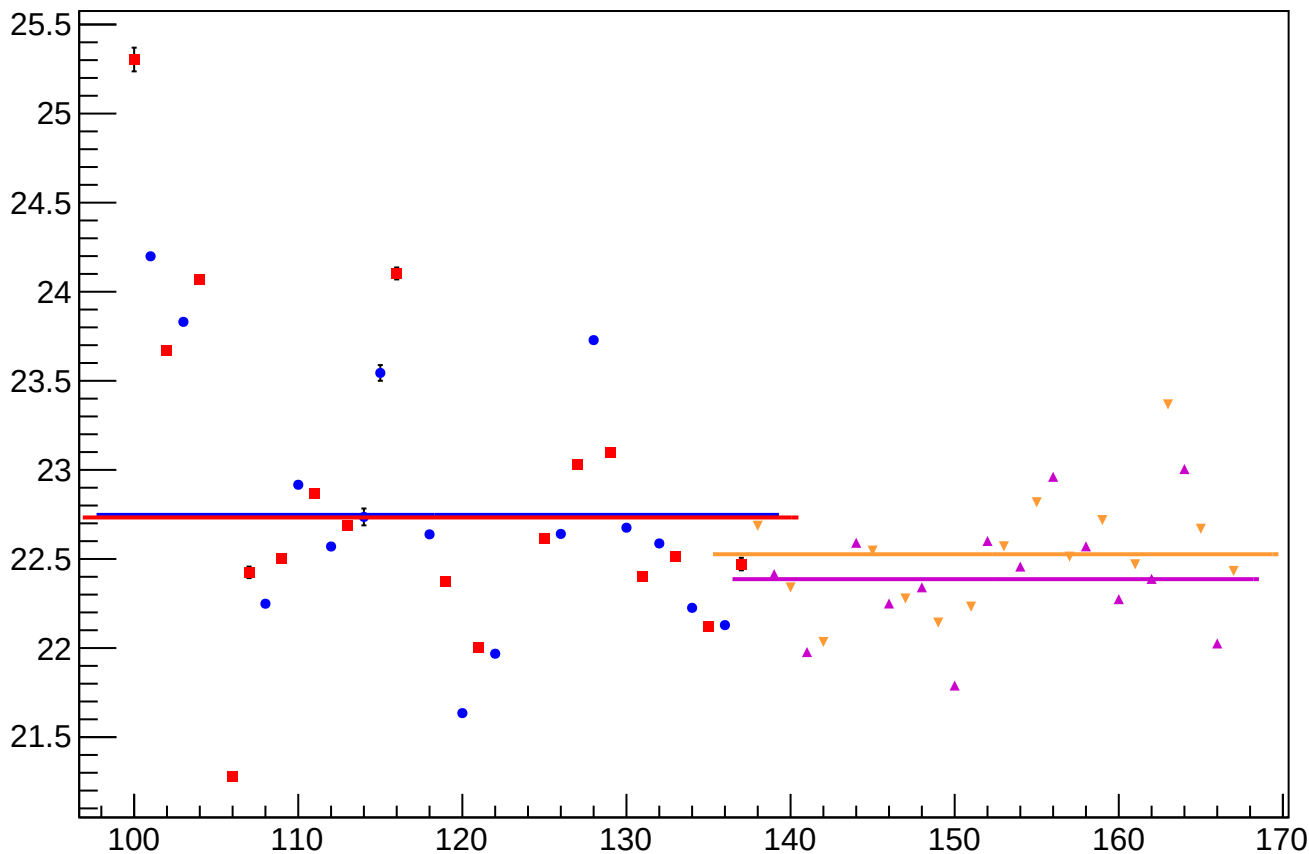
Left In: -8.934 ± 6.590 χ^2/NDF : 14.3/13

+ sign 11.359 ± 5.180 χ^2/NDF : 41.1/30

All: -0.783 ± 3.663 χ^2/NDF : 81.9/62

- sign -12.927 ± 5.181 χ^2/NDF : 29.8/31

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: 22.527 $\pm$ 0.005 χ^2 /NDF: 4308.8/14

Right Out: 22.733 $\pm$ 0.006 χ^2 /NDF: 14389.6/17

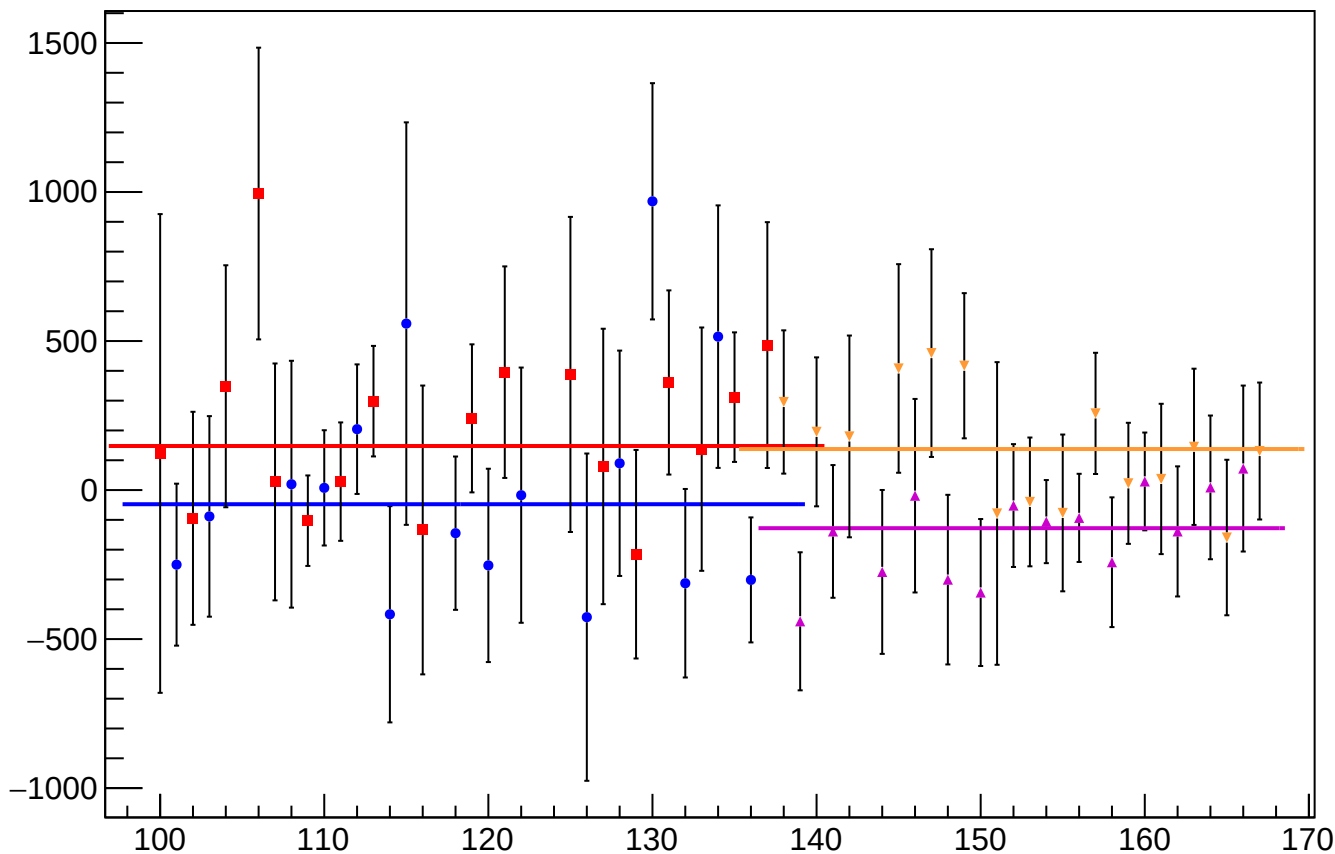
Left In: 22.387 $\pm$ 0.005 χ^2 /NDF: 4733.0/13

+ sign 22.609 $\pm$ 0.004 χ^2 /NDF: 19784.8/30

All: 22.564 $\pm$ 0.003 χ^2 /NDF: 41320.8/62

- sign 22.519 $\pm$ 0.004 χ^2 /NDF: 21231.0/31

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523 ± 76.571 χ^2/NDF : 15.4/15

Left Out: 137.648 ± 66.312 χ^2/NDF : 6.9/14

Right Out: 147.812 ± 68.660 χ^2/NDF : 11.5/17

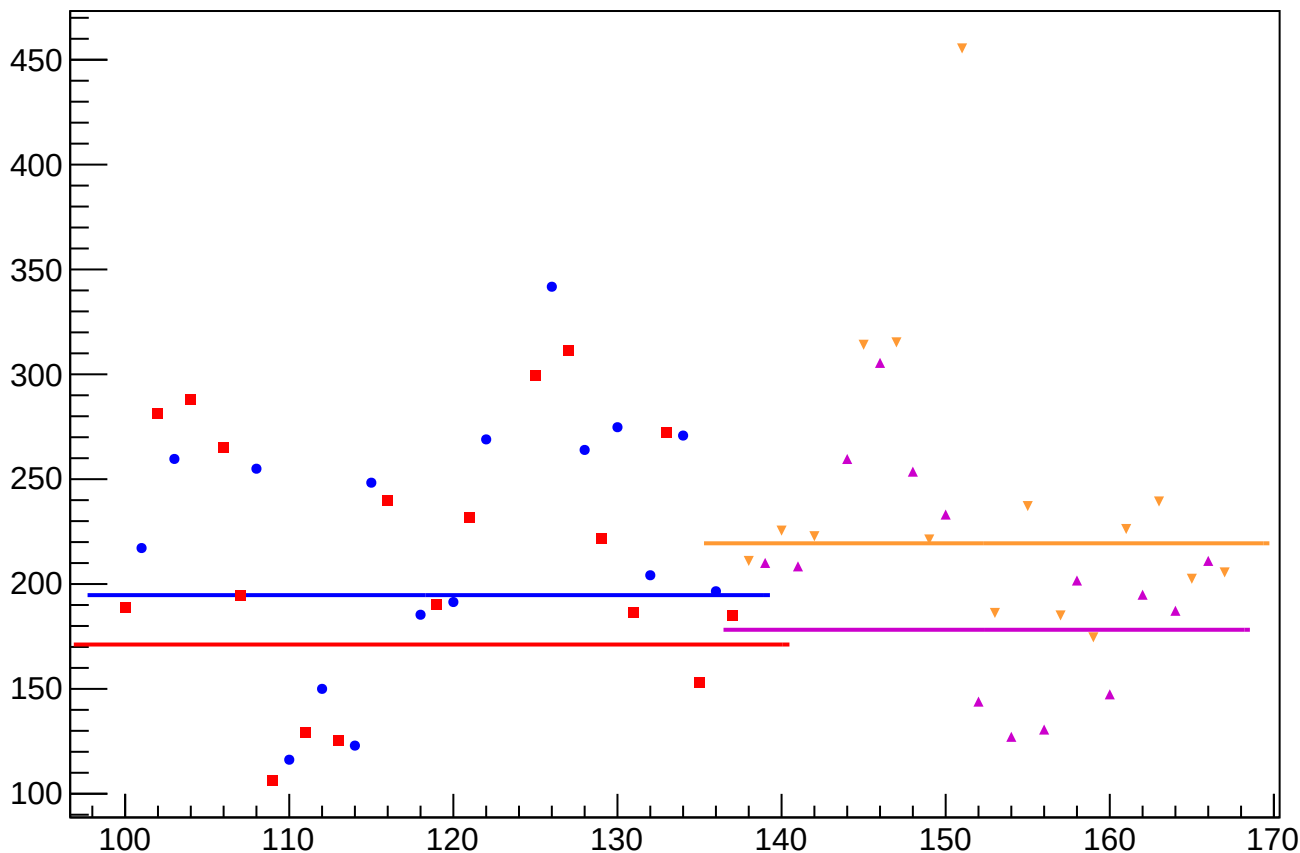
Left In: -127.929 ± 55.868 χ^2/NDF : 5.6/13

+ sign 58.290 ± 50.127 χ^2/NDF : 25.6/30

All: 14.579 ± 32.783 χ^2/NDF : 53.8/62

- sign -18.088 ± 43.334 χ^2/NDF : 26.8/31

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF : 1052288.9/15

Left Out: 219.421+/-0.047 χ^2/NDF : 973311.7/14

Right Out: 171.156+/-0.049 χ^2/NDF : 1611935.6/17

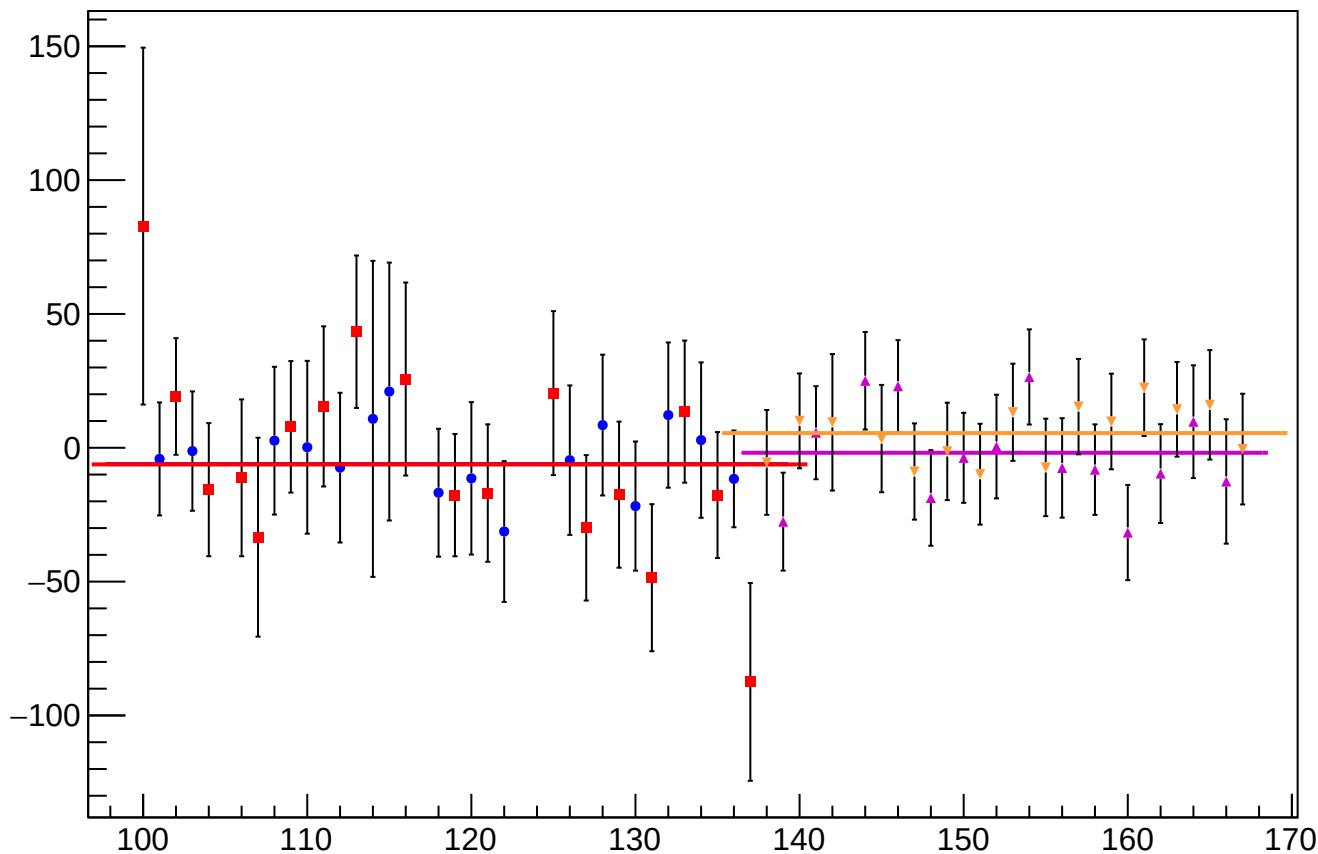
Left In: 178.190+/-0.040 χ^2/NDF : 1463579.0/13

+ sign 208.830+/-0.035 χ^2/NDF : 2144649.6/30

All: 189.691+/-0.023 χ^2/NDF : 5742224.2/62

- sign 175.388+/-0.031 χ^2/NDF : 3088141.1/31

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119 ± 6.592 χ^2/NDF : 3.1/15

Left Out: 5.492 ± 4.875 χ^2/NDF : 4.4/14

Right Out: -6.195 ± 6.580 χ^2/NDF : 18.6/17

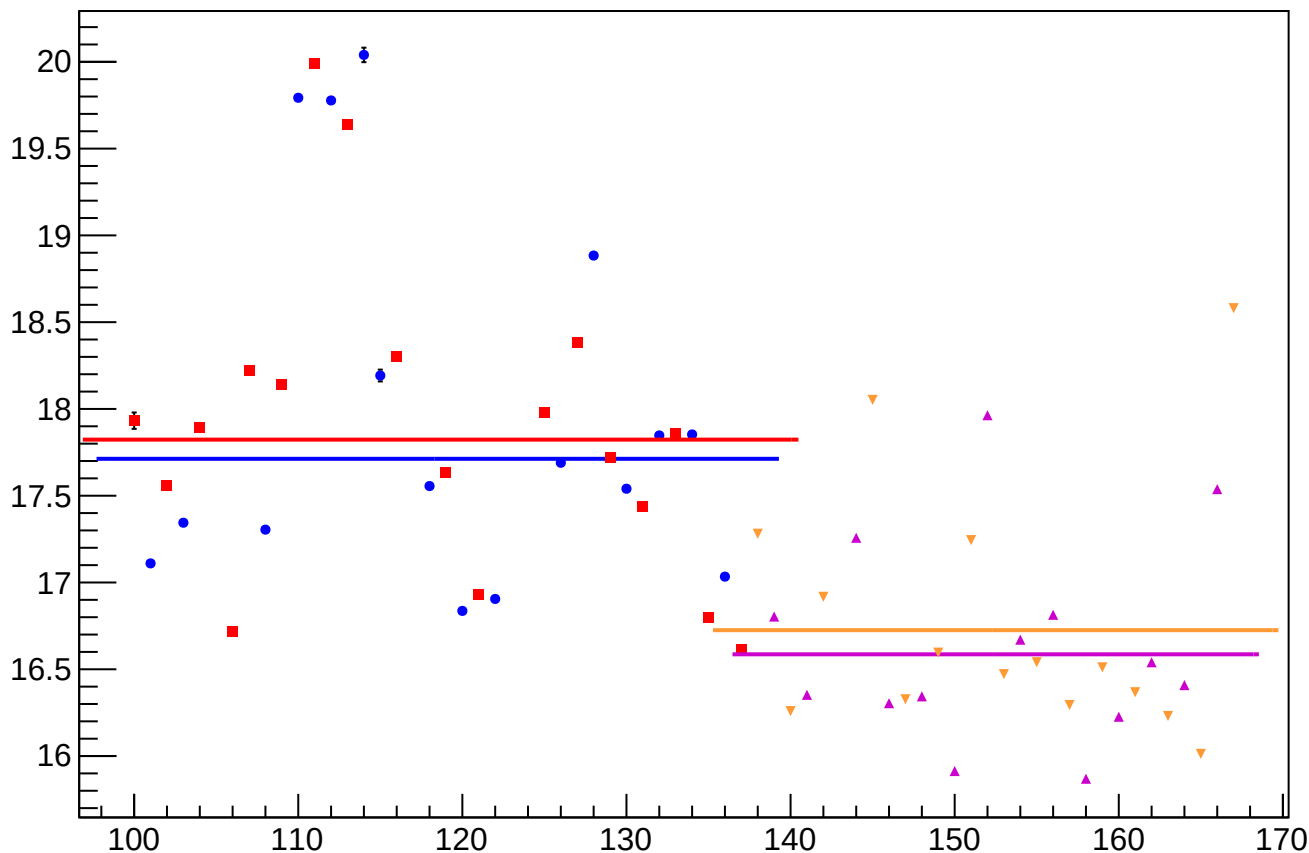
Left In: -1.863 ± 4.892 χ^2/NDF : 13.6/13

+ sign 1.387 ± 3.920 χ^2/NDF : 9.5/30

All: -1.005 ± 2.774 χ^2/NDF : 42.8/62

- sign -3.405 ± 3.926 χ^2/NDF : 32.5/31

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: 16.725 $\pm$ 0.003 χ^2 /NDF: 37390.4/14

Right Out: 17.823 $\pm$ 0.005 χ^2 /NDF: 32502.9/17

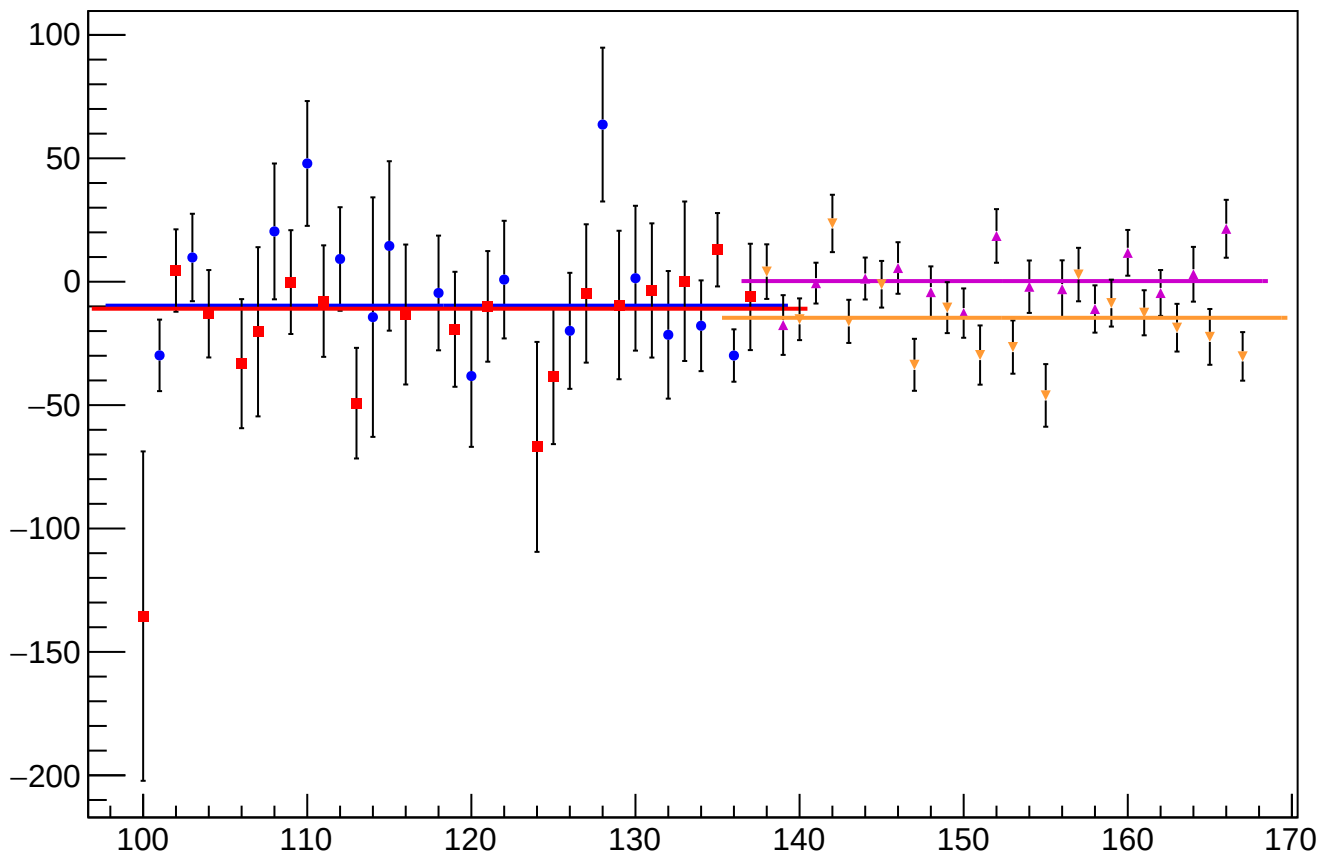
Left In: 16.586 $\pm$ 0.003 χ^2 /NDF: 25851.2/13

+ sign 17.074 $\pm$ 0.003 χ^2 /NDF: 102379.2/30

All: 17.050 $\pm$ 0.002 χ^2 /NDF: 206403.8/62

- sign 17.026 $\pm$ 0.003 χ^2 /NDF: 103875.8/31

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702 $\pm$ 5.231 χ^2/NDF : 22.0/15

Left Out: -14.618 $\pm$ 2.545 χ^2/NDF : 34.4/15

Right Out: -10.938 $\pm$ 5.436 χ^2/NDF : 14.1/18

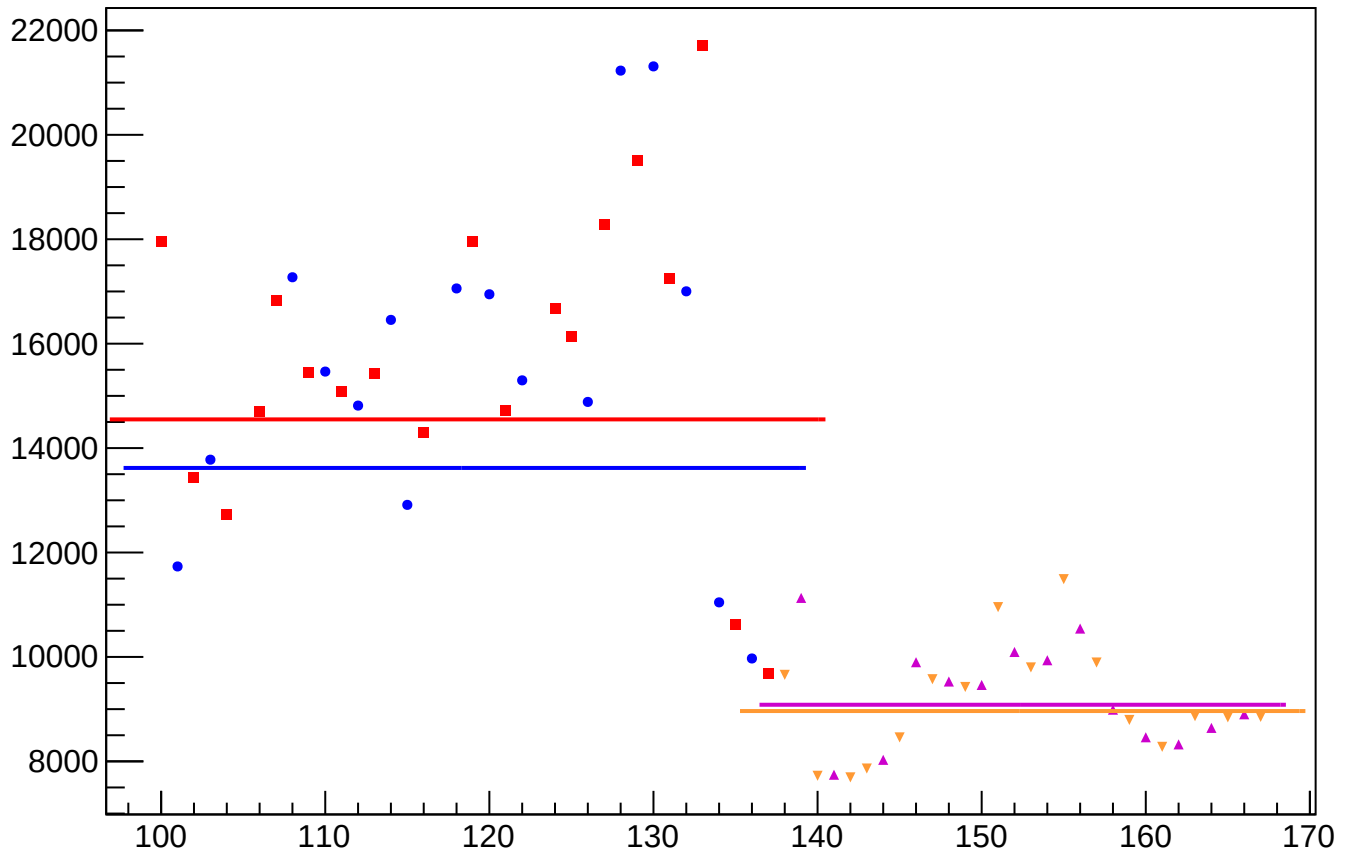
Left In: 0.259 $\pm$ 2.693 χ^2/NDF : 13.8/13

+ sign -13.677 $\pm$ 2.289 χ^2/NDF : 57.1/31

All: -8.124 $\pm$ 1.661 χ^2/NDF : 100.8/64

- sign -1.948 $\pm$ 2.413 χ^2/NDF : 31.3/32

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845 $\pm$ 3.699 χ^2/NDF : 746985.9/15

Left Out: 8963.654 $\pm$ 1.800 χ^2/NDF :296431.2/15

Right Out: 14549.658 $\pm$ 3.844 χ^2/NDF : 555902.2/18

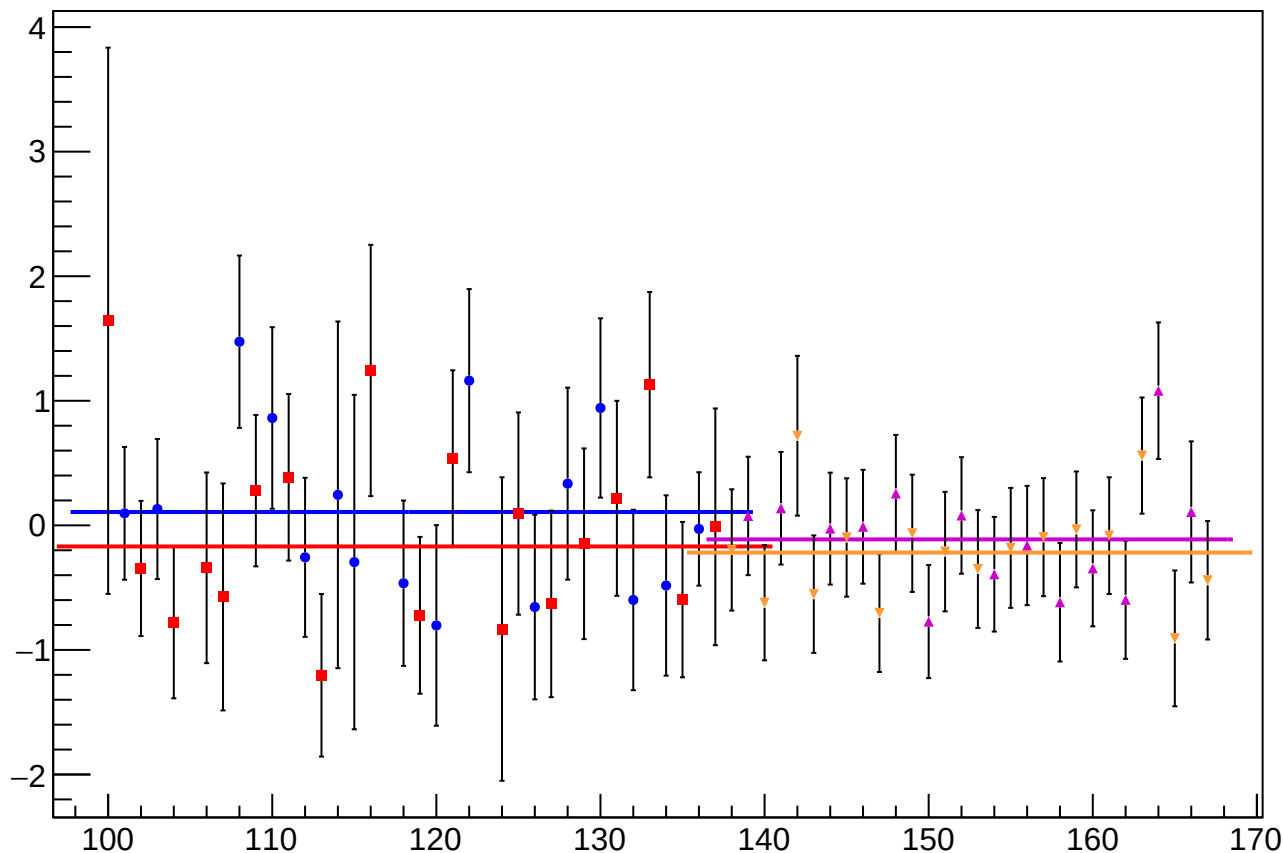
Left In: 9084.141 $\pm$ 1.905 χ^2/NDF :246905.1/13

+ sign 9854.724 $\pm$ 1.618 χ^2/NDF : 2324580.5/31

All: 9999.914 $\pm$ 1.174 χ^2/NDF : 4767562.5/64

- sign 10161.385 $\pm$ 1.707 χ^2/NDF : 2425979.6/32

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107 ± 0.172 χ^2/NDF : 13.7/15

Left Out: -0.219 ± 0.121 χ^2/NDF : 9.6/15

Right Out: -0.169 ± 0.169 χ^2/NDF : 14.1/18

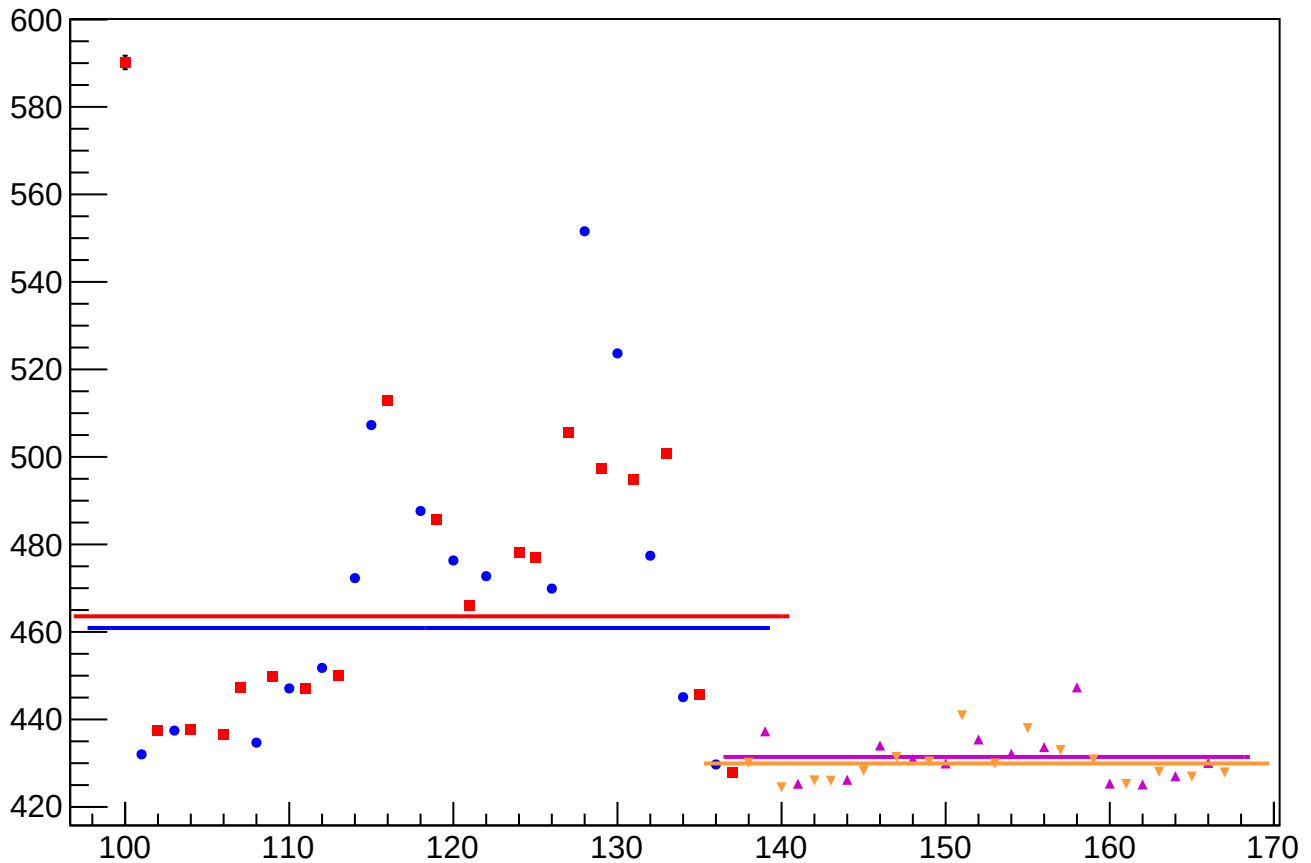
Left In: -0.113 ± 0.127 χ^2/NDF : 11.1/13

+ sign -0.111 ± 0.099 χ^2/NDF : 25.7/31

All: -0.122 ± 0.071 χ^2/NDF : 51.0/64

- sign -0.133 ± 0.102 χ^2/NDF : 25.3/32

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906 $\pm$ 0.121 χ^2 /NDF: 74930.1/15

Left Out: 429.941 $\pm$ 0.086 χ^2 /NDF: 2574.4/15

Right Out: 463.573 $\pm$ 0.120 χ^2 /NDF: 52175.6/18

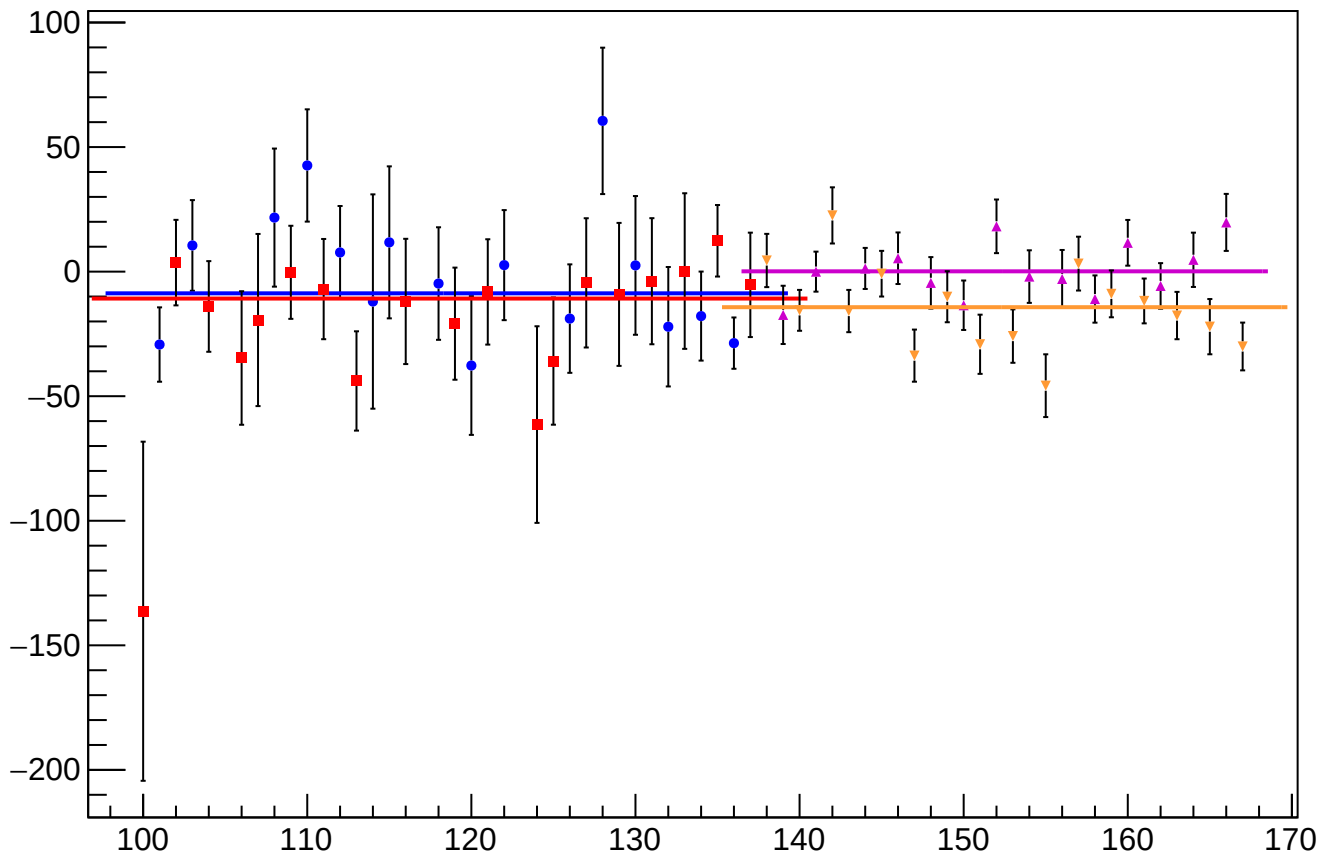
Left In: 431.431 $\pm$ 0.090 χ^2 /NDF: 4292.1/13

+ sign 440.209 $\pm$ 0.070 χ^2 /NDF: 120979.5/31

All: 441.562 $\pm$ 0.050 χ^2 /NDF: 224306.7/64

- sign 442.990 $\pm$ 0.072 χ^2 /NDF: 102557.9/32

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707 $\pm$ 5.036 χ^2/NDF : 22.3/15

Left Out: -14.274 $\pm$ 2.497 χ^2/NDF : 34.9/15

Right Out: -10.807 $\pm$ 5.192 χ^2/NDF : 13.9/18

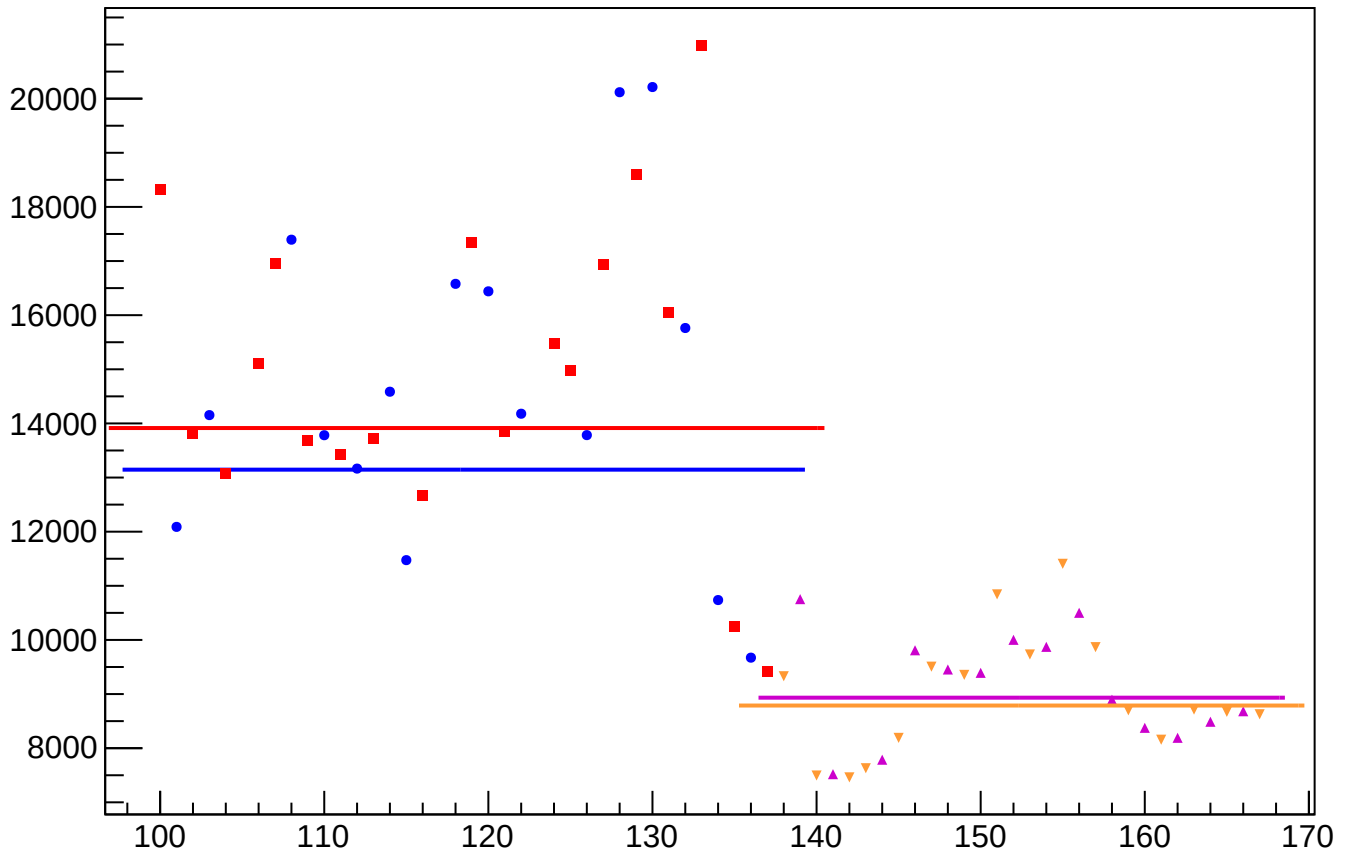
Left In: 0.122 $\pm$ 2.650 χ^2/NDF : 14.0/13

+ sign -13.175 $\pm$ 2.237 χ^2/NDF : 58.2/31

All: -7.951 $\pm$ 1.624 χ^2/NDF : 101.1/64

- sign -2.137 $\pm$ 2.360 χ^2/NDF : 31.4/32

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF : 682620.1/15

Left Out: 8788.115+/-1.766 χ^2/NDF : 336360.2/15

Right Out: 13914.770+/-3.671 χ^2/NDF : 511000.7/18

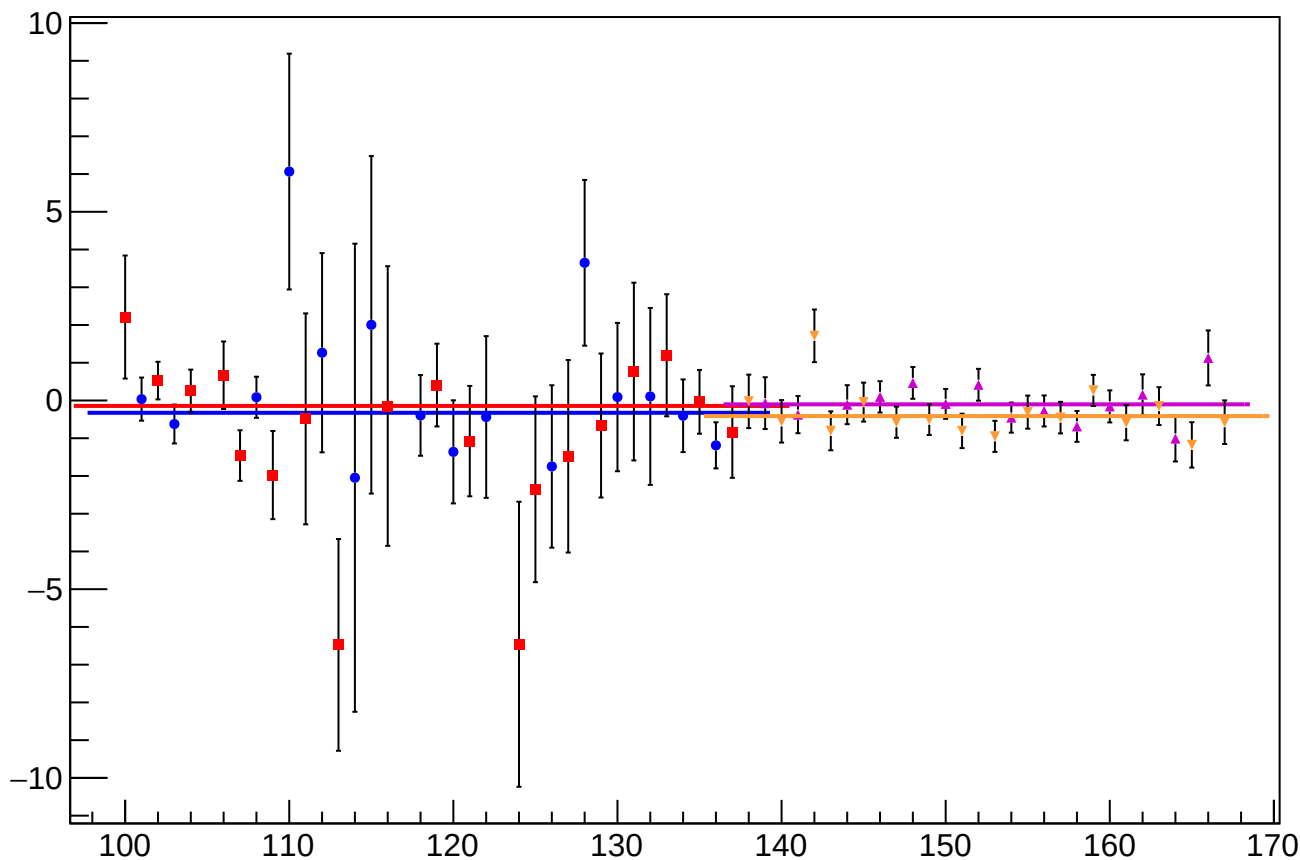
Left In: 8933.073+/-1.874 χ^2/NDF : 269524.0/13

+ sign 9648.292+/-1.582 χ^2/NDF : 2221047.0/31

All: 9797.103+/-1.148 χ^2/NDF : 4481218.9/64

- sign 9962.712+/-1.669 χ^2/NDF : 2241477.1/32

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326 ± 0.244 χ^2/NDF : 12.6/15

Left Out: -0.413 ± 0.121 χ^2/NDF : 18.3/15

Right Out: -0.144 ± 0.244 χ^2/NDF : 22.5/18

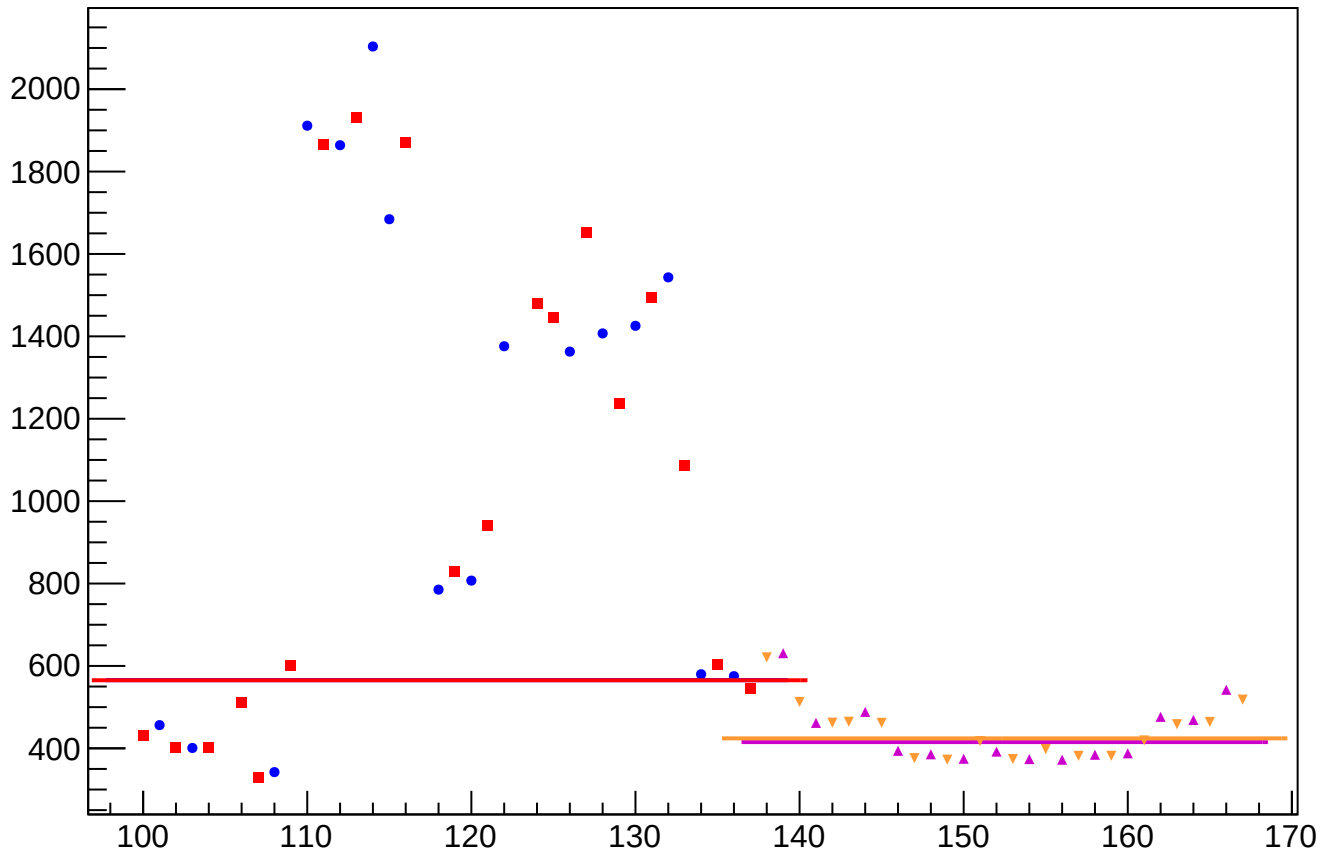
Left In: -0.102 ± 0.124 χ^2/NDF : 12.2/13

+ sign -0.396 ± 0.108 χ^2/NDF : 31.0/31

All: -0.256 ± 0.077 χ^2/NDF : 69.1/64

- sign -0.111 ± 0.110 χ^2/NDF : 34.7/32

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531 $\pm$ 0.173 χ^2 /NDF: 3450533.8/15

Left Out: 424.191 $\pm$ 0.085 χ^2 /NDF: 441618.0/15

Right Out: 565.223 $\pm$ 0.173 χ^2 /NDF: 3571620.7/18

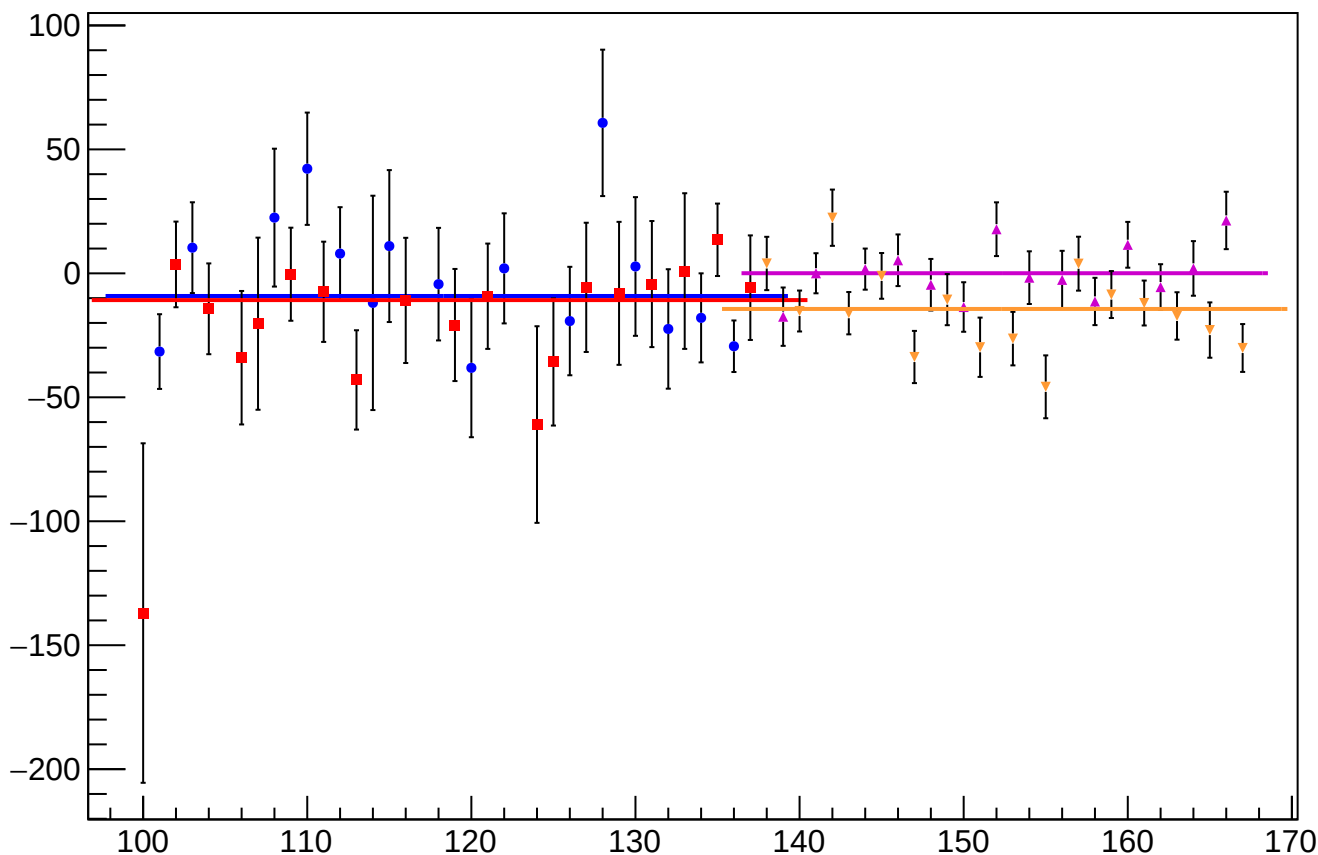
Left In: 415.169 $\pm$ 0.088 χ^2 /NDF: 462646.2/13

+ sign 452.016 $\pm$ 0.077 χ^2 /NDF: 4430572.7/31

All: 448.987 $\pm$ 0.055 χ^2 /NDF: 9068022.0/64

- sign 445.837 $\pm$ 0.078 χ^2 /NDF: 4634259.1/32

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130 $\pm$ 5.069 χ^2/NDF : 22.7/15

Left Out: -14.362 $\pm$ 2.514 χ^2/NDF : 34.7/15

Right Out: -10.788 $\pm$ 5.227 χ^2/NDF : 13.7/18

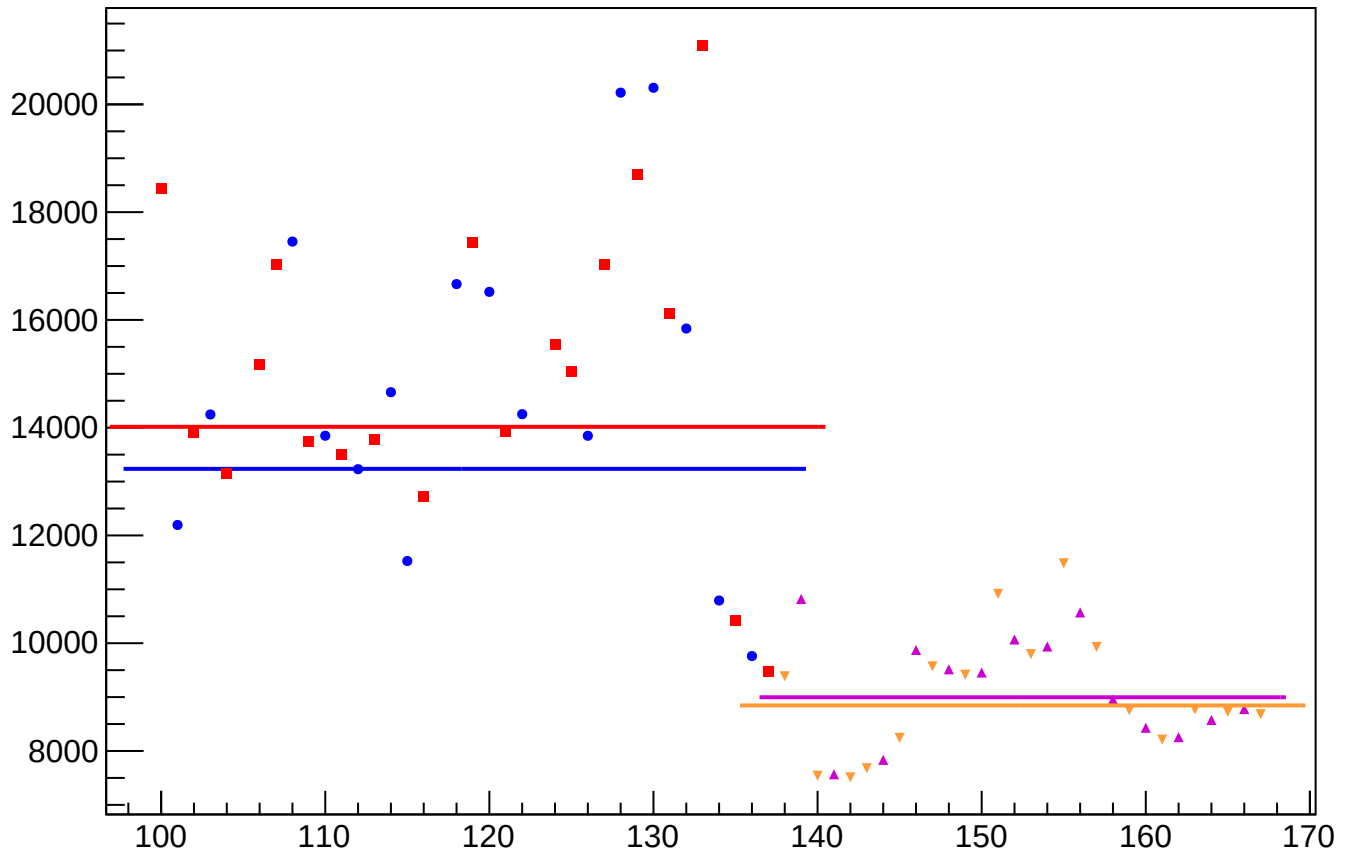
Left In: 0.051 $\pm$ 2.669 χ^2/NDF : 14.1/13

+ sign -13.330 $\pm$ 2.252 χ^2/NDF : 58.3/31

All: -8.061 $\pm$ 1.635 χ^2/NDF : 101.1/64

- sign -2.190 $\pm$ 2.377 χ^2/NDF : 31.2/32

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828 ± 3.585 χ^2/NDF : 673887.0/15

Left Out: 8845.052 ± 1.777 χ^2/NDF : 336990.8/15

Right Out: 14016.035 ± 3.696 χ^2/NDF : 498592.9/18

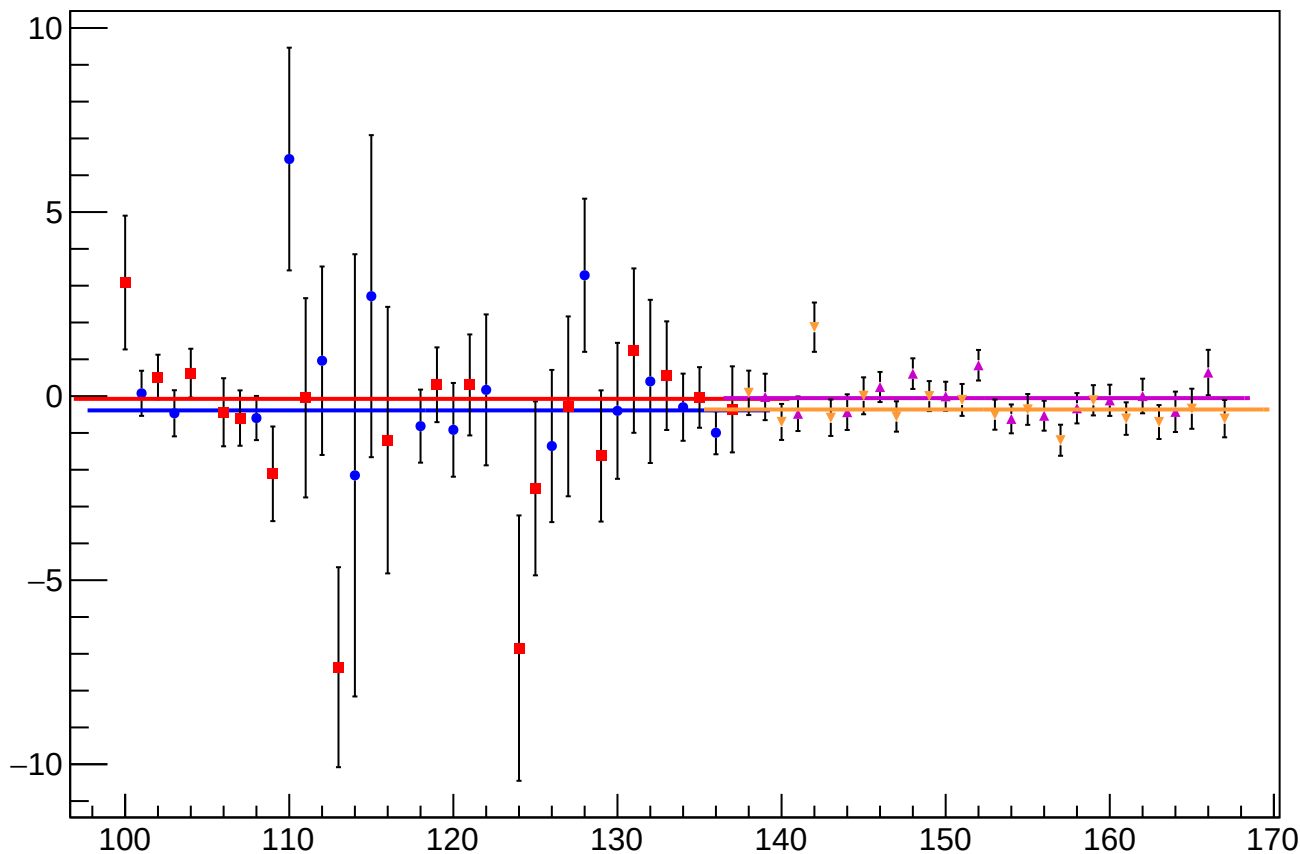
Left In: 8996.823 ± 1.887 χ^2/NDF : 268858.3/13

+ sign 9711.527 ± 1.592 χ^2/NDF : 2215237.0/31

All: 9864.362 ± 1.156 χ^2/NDF : 4464764.0/64

- sign 10034.650 ± 1.681 χ^2/NDF : 2230050.1/32

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388 $\pm$ 0.256 χ^2/NDF : 11.7/15

Left Out: -0.363 $\pm$ 0.116 χ^2/NDF : 19.8/15

Right Out: -0.075 $\pm$ 0.265 χ^2/NDF : 21.7/18

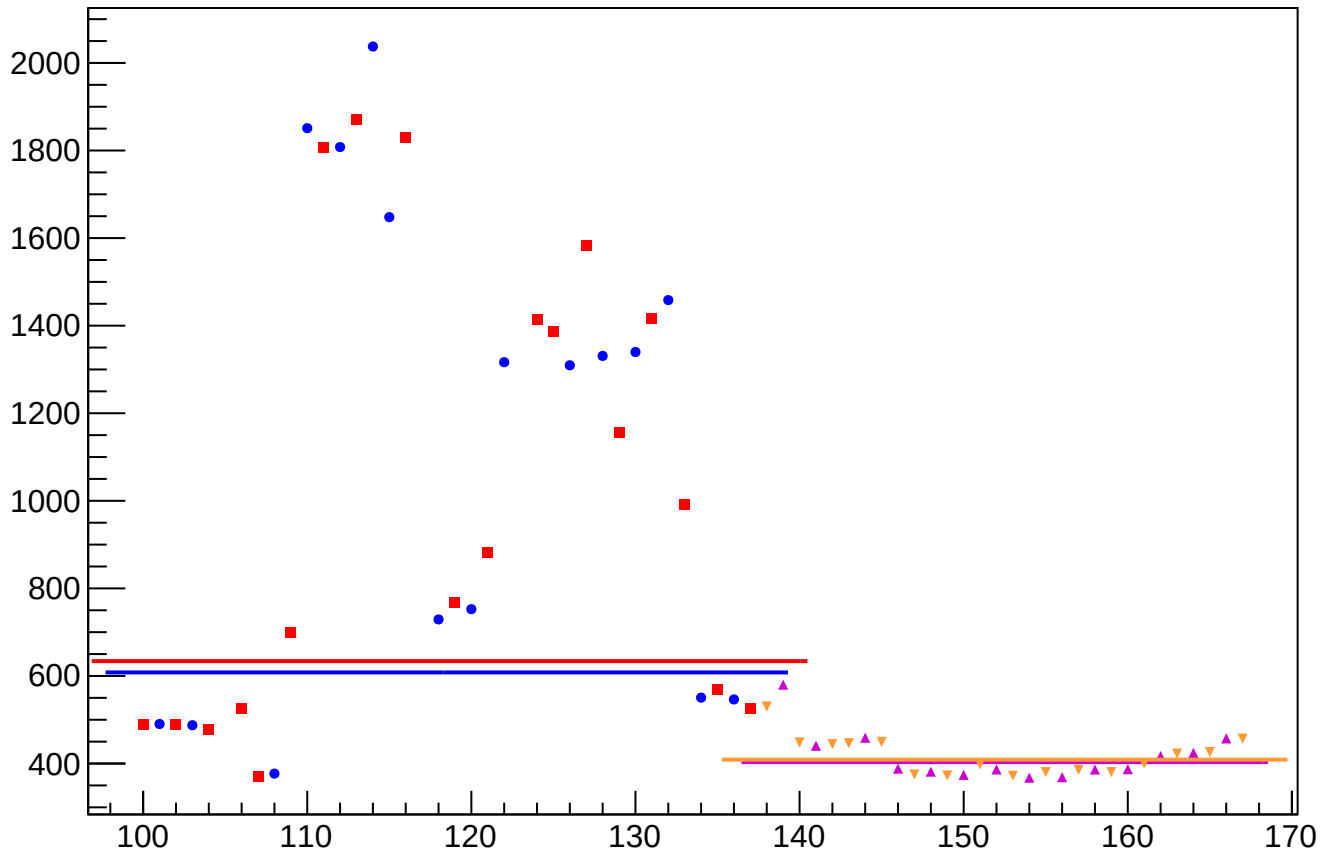
Left In: -0.054 $\pm$ 0.120 χ^2/NDF : 14.8/13

+ sign -0.367 $\pm$ 0.105 χ^2/NDF : 31.5/31

All: -0.218 $\pm$ 0.076 χ^2/NDF : 72.2/64

- sign -0.058 $\pm$ 0.109 χ^2/NDF : 36.5/32

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063 $\pm$ 0.181 χ^2/NDF : 2852722.1/15

Left Out: 408.898 $\pm$ 0.082 χ^2/NDF : 217638.3/15

Right Out: 633.883 $\pm$ 0.187 χ^2/NDF : 2788449.1/18

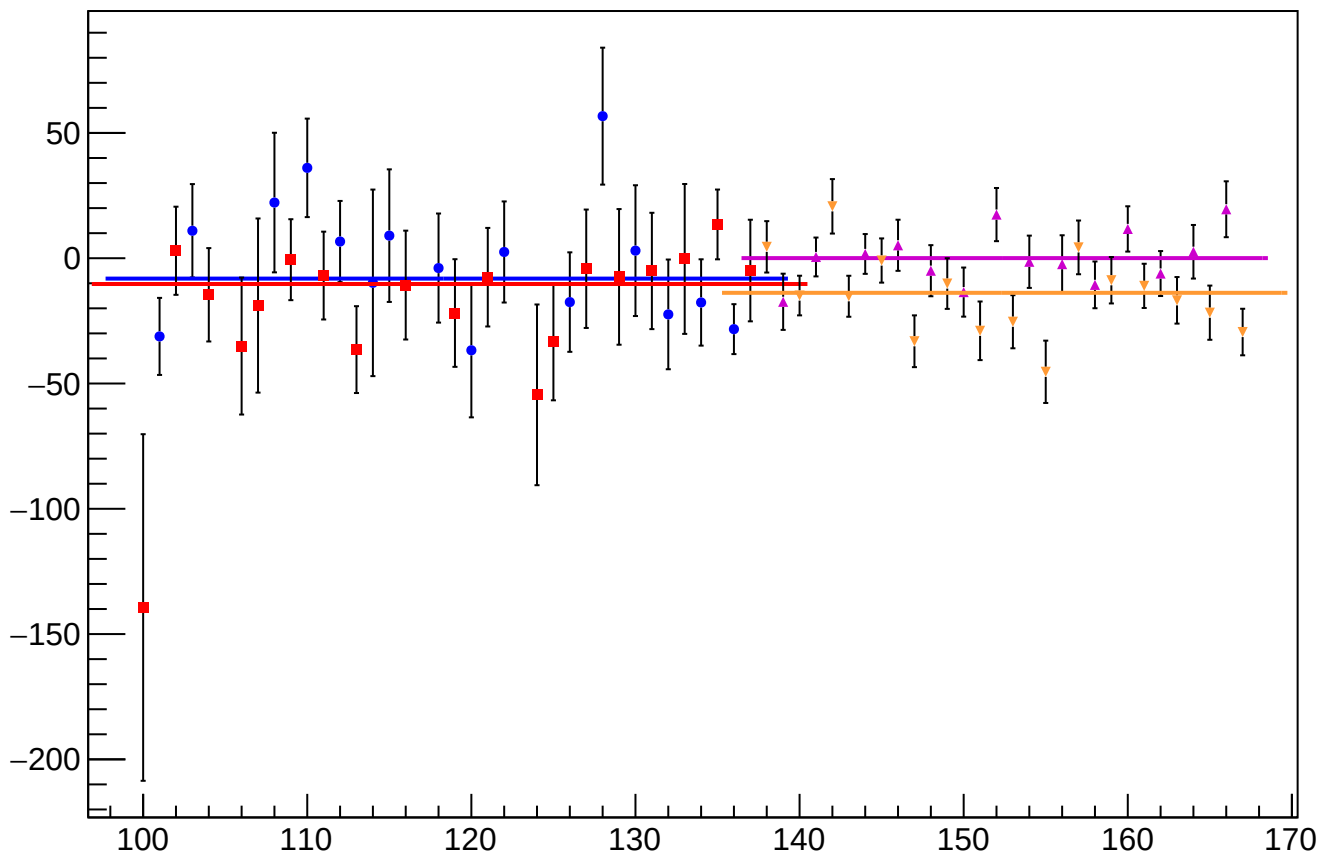
Left In: 403.266 $\pm$ 0.085 χ^2/NDF : 275591.3/13

+ sign 442.735 $\pm$ 0.075 χ^2/NDF : 4077573.1/31

All: 442.612 $\pm$ 0.054 χ^2/NDF : 8403302.6/64

- sign 442.480 $\pm$ 0.077 χ^2/NDF : 4325723.8/32

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132 $\pm$ 4.779 χ^2/NDF : 23.1/15

Left Out: -13.806 $\pm$ 2.436 χ^2/NDF : 35.1/15

Right Out: -10.288 $\pm$ 4.873 χ^2/NDF : 13.7/18

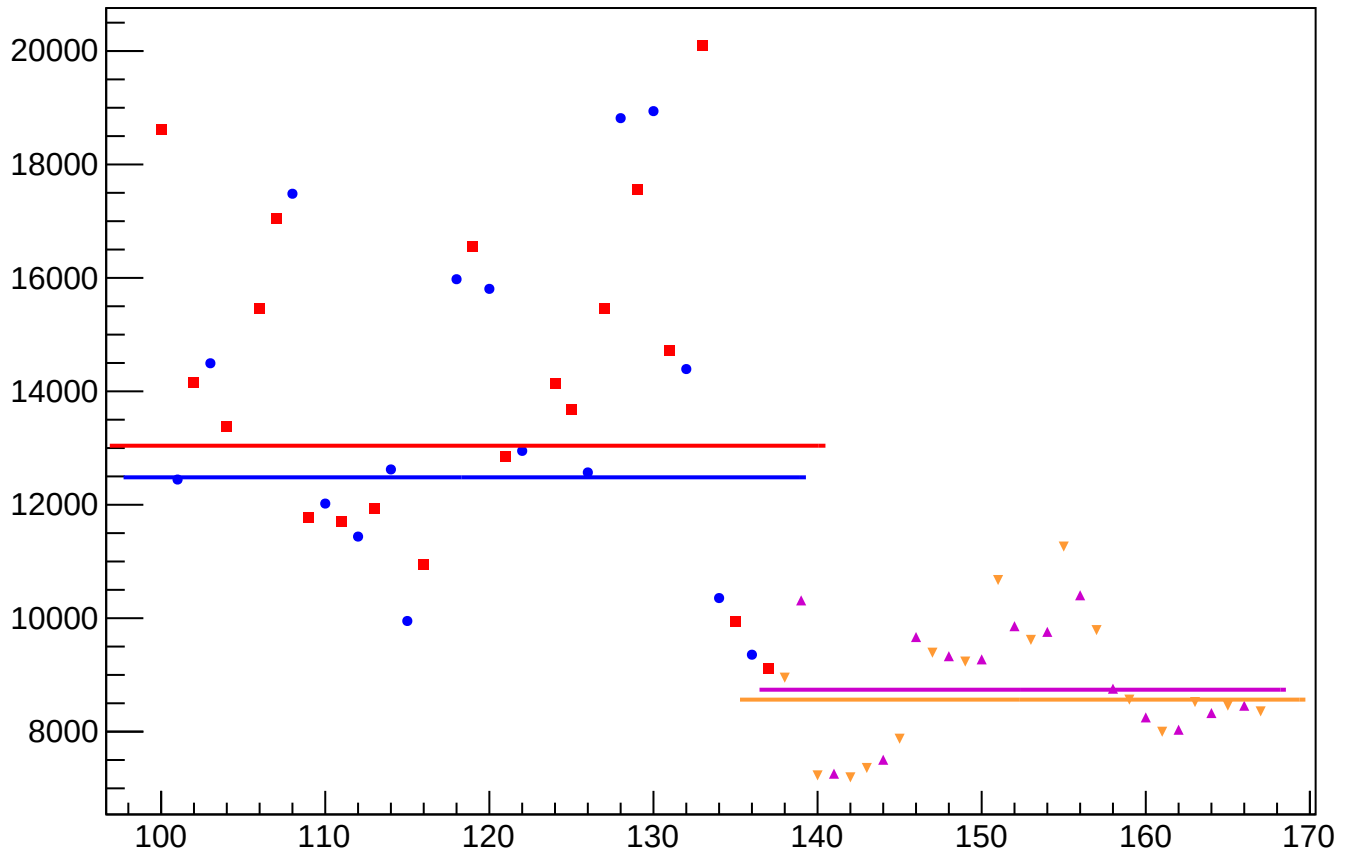
Left In: 0.045 $\pm$ 2.594 χ^2/NDF : 14.2/13

+ sign -12.636 $\pm$ 2.170 χ^2/NDF : 59.4/31

All: -7.714 $\pm$ 1.575 χ^2/NDF : 101.6/64

- sign -2.236 $\pm$ 2.290 χ^2/NDF : 31.4/32

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF : 671560.0/15

Left Out: 8564.386+/-1.723 χ^2/NDF : 383434.4/15

Right Out: 13041.241+/-3.446 χ^2/NDF : 544486.8/18

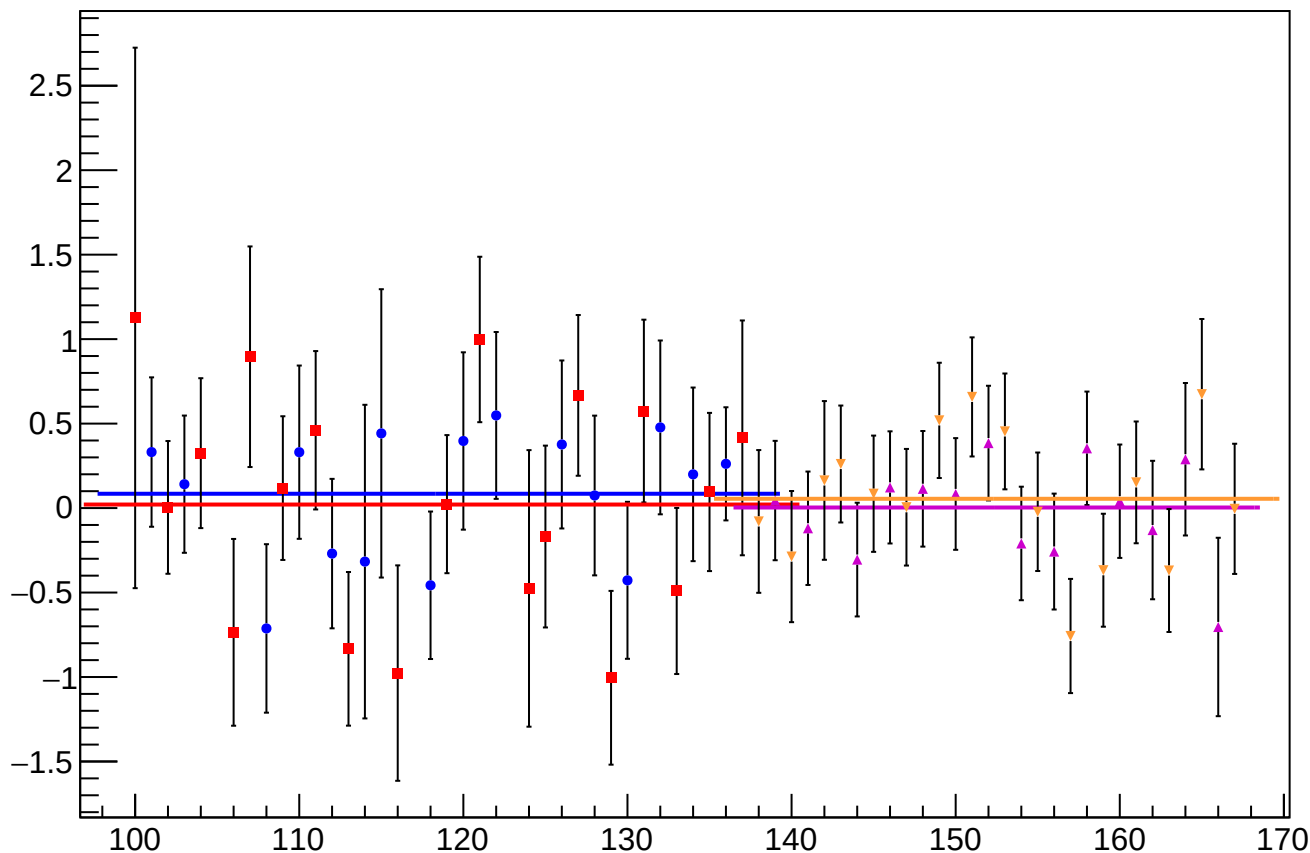
Left In: 8739.172+/-1.834 χ^2/NDF : 295641.2/13

+ sign 9372.845+/-1.535 χ^2/NDF : 2122803.5/31

All: 9522.425+/-1.114 χ^2/NDF : 4197487.9/64

- sign 9688.900+/-1.619 χ^2/NDF : 2054614.0/32

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085 ± 0.120 χ^2/NDF : 9.4/15

Left Out: 0.055 ± 0.091 χ^2/NDF : 18.3/15

Right Out: 0.021 ± 0.117 χ^2/NDF : 24.3/18

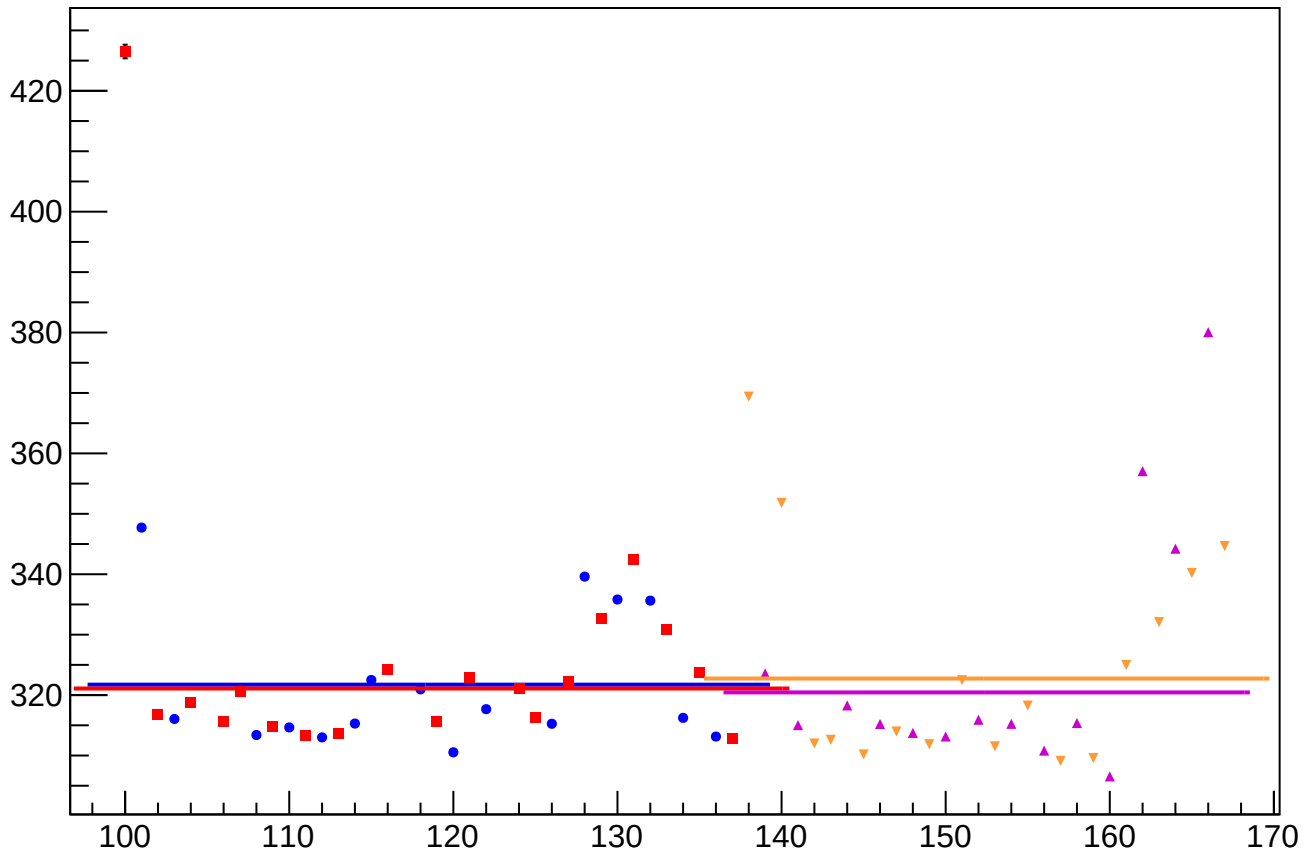
Left In: 0.003 ± 0.095 χ^2/NDF : 6.9/13

+ sign 0.066 ± 0.073 χ^2/NDF : 27.7/31

All: 0.039 ± 0.052 χ^2/NDF : 59.2/64

- sign 0.010 ± 0.074 χ^2/NDF : 31.2/32

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727 ± 0.085 $\chi^2/\text{NDF}: 18214.6/15$

Left Out: 322.740 ± 0.065 $\chi^2/\text{NDF}: 64137.5/15$

Right Out: 321.093 ± 0.083 $\chi^2/\text{NDF}: 16579.3/18$

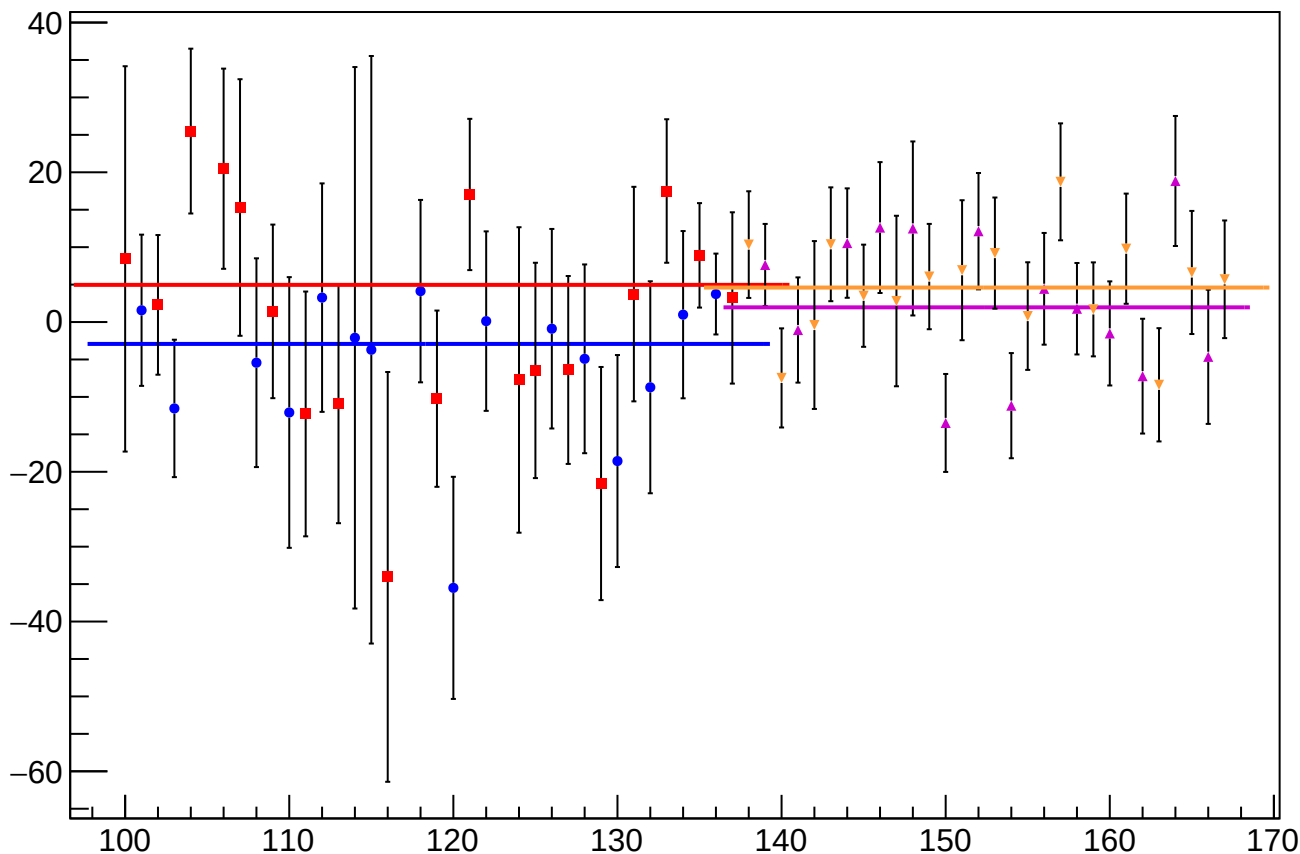
Left In: 320.445 ± 0.067 $\chi^2/\text{NDF}: 56312.6/13$

+ sign 322.370 ± 0.051 $\chi^2/\text{NDF}: 82442.3/31$

All: 321.549 ± 0.037 $\chi^2/\text{NDF}: 155889.0/64$

- sign 320.701 ± 0.052 $\chi^2/\text{NDF}: 72928.6/32$

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922 $\pm$ 2.910 χ^2/NDF : 9.8/15

Left Out: 4.608 $\pm$ 1.907 χ^2/NDF :12.6/15

Right Out: 4.965 $\pm$ 2.824 χ^2/NDF : 19.4/18

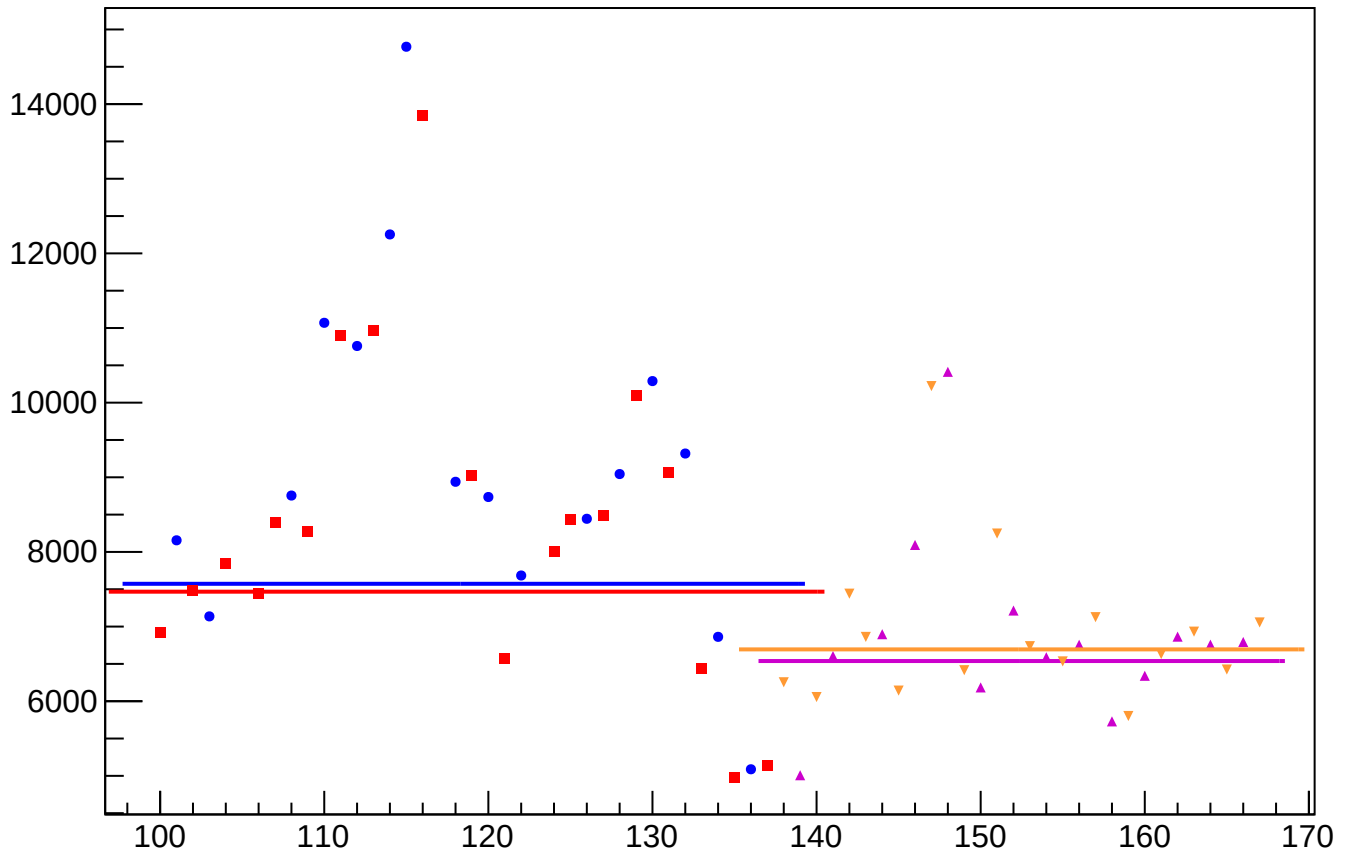
Left In: 1.961 $\pm$ 1.957 χ^2/NDF :21.8/13

+ sign 2.346 $\pm$ 1.595 χ^2/NDF : 27.1/31

All: 2.638 $\pm$ 1.133 χ^2/NDF : 69.2/64

- sign 2.936 $\pm$ 1.608 χ^2/NDF : 42.0/32

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF : 897588.4/15

Left Out: 6694.270+/-1.349 χ^2/NDF : 355547.7/15

Right Out: 7467.477+/-1.997 χ^2/NDF : 828353.3/18

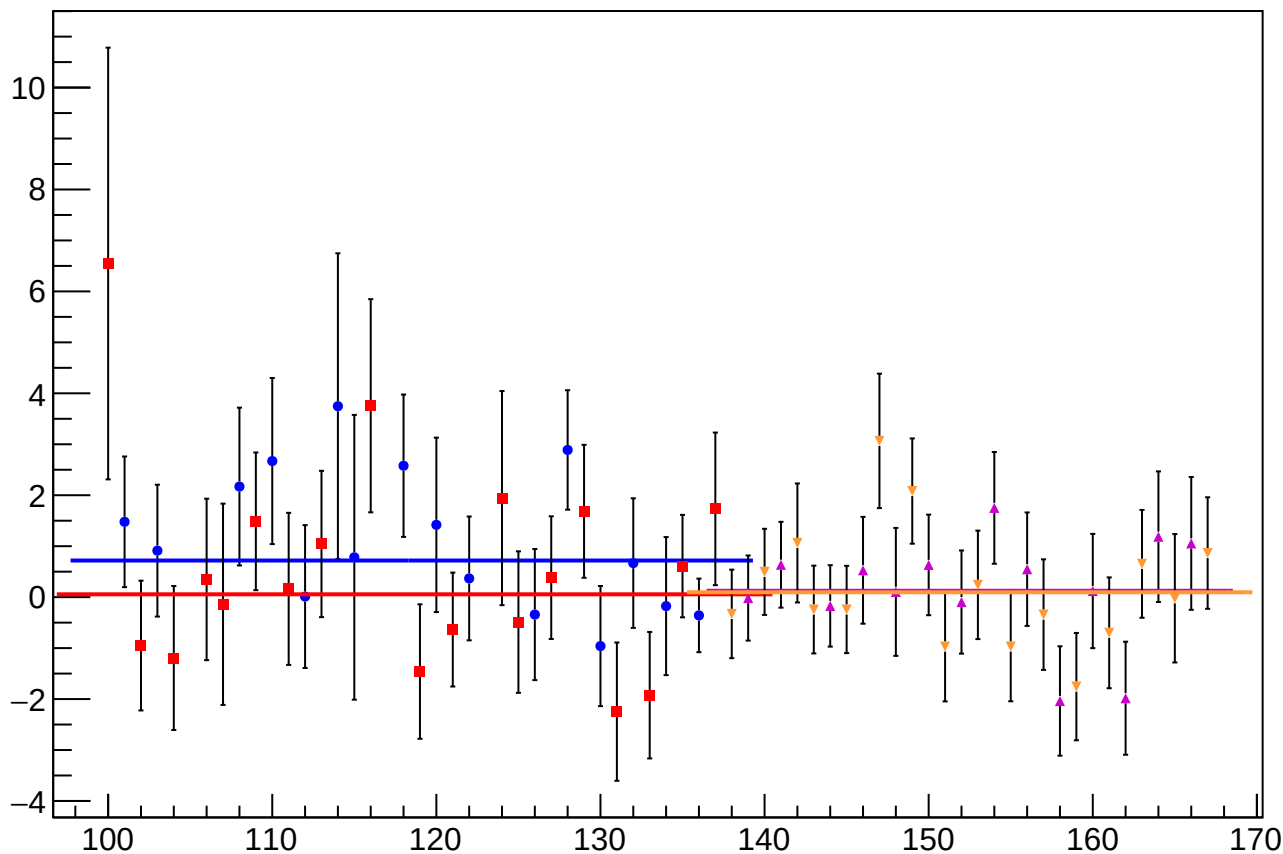
Left In: 6538.238+/-1.384 χ^2/NDF : 512711.7/13

+ sign 6958.315+/-1.128 χ^2/NDF : 1380736.6/31

All: 6899.473+/-0.801 χ^2/NDF : 2873599.3/64

- sign 6839.655+/-1.137 χ^2/NDF : 1487374.8/32

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719 ± 0.326 χ^2/NDF : 14.8/15

Left Out: 0.096 ± 0.256 χ^2/NDF : 16.8/15

Right Out: 0.056 ± 0.323 χ^2/NDF : 19.8/18

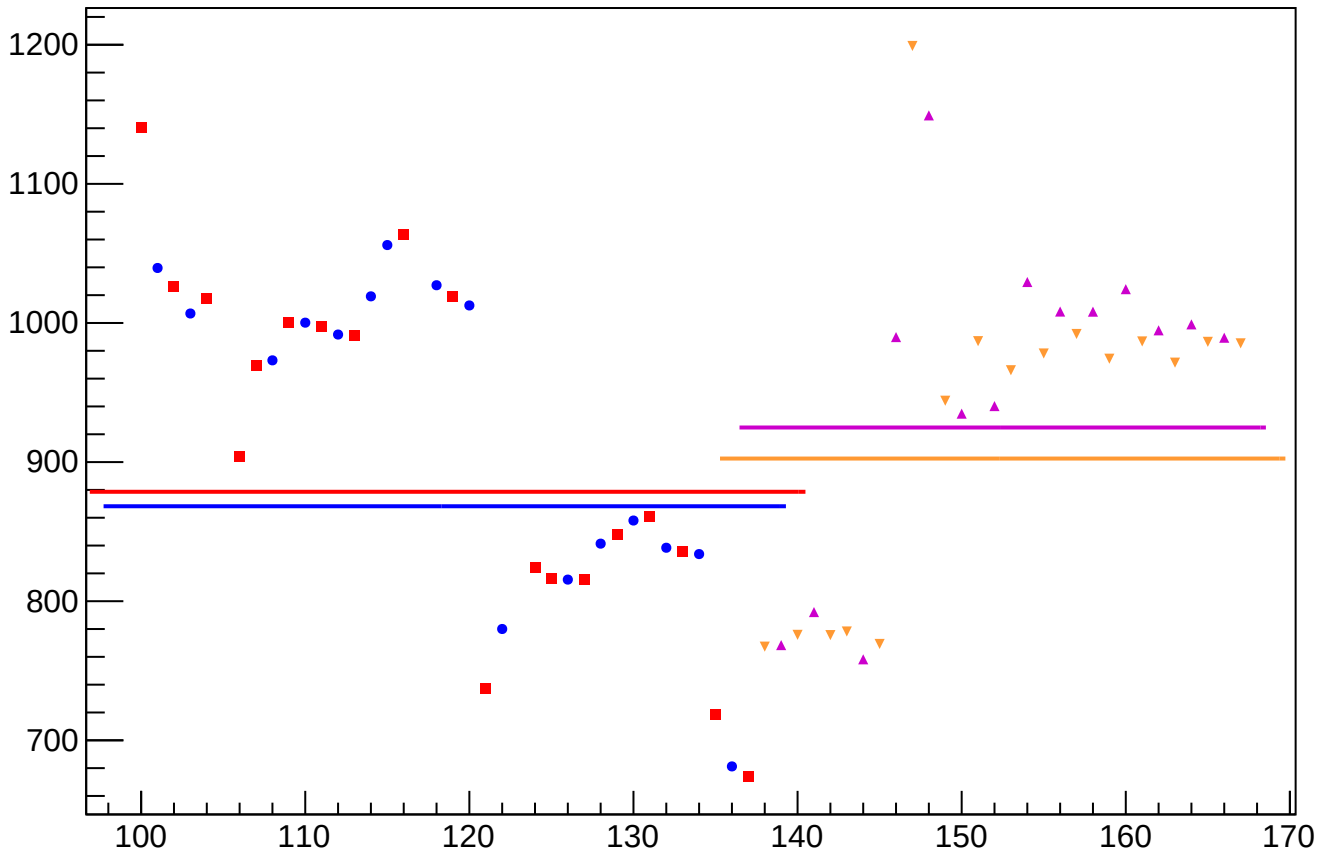
Left In: 0.125 ± 0.275 χ^2/NDF : 12.2/13

+ sign 0.333 ± 0.201 χ^2/NDF : 33.8/31

All: 0.219 ± 0.145 χ^2/NDF : 66.5/64

- sign 0.096 ± 0.209 χ^2/NDF : 32.0/32

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253 $\pm$ 0.230 χ^2 /NDF: 302409.6/15

Left Out: 902.547 $\pm$ 0.181 χ^2 /NDF: 404585.0/15

Right Out: 878.658 $\pm$ 0.229 χ^2 /NDF: 272530.7/18

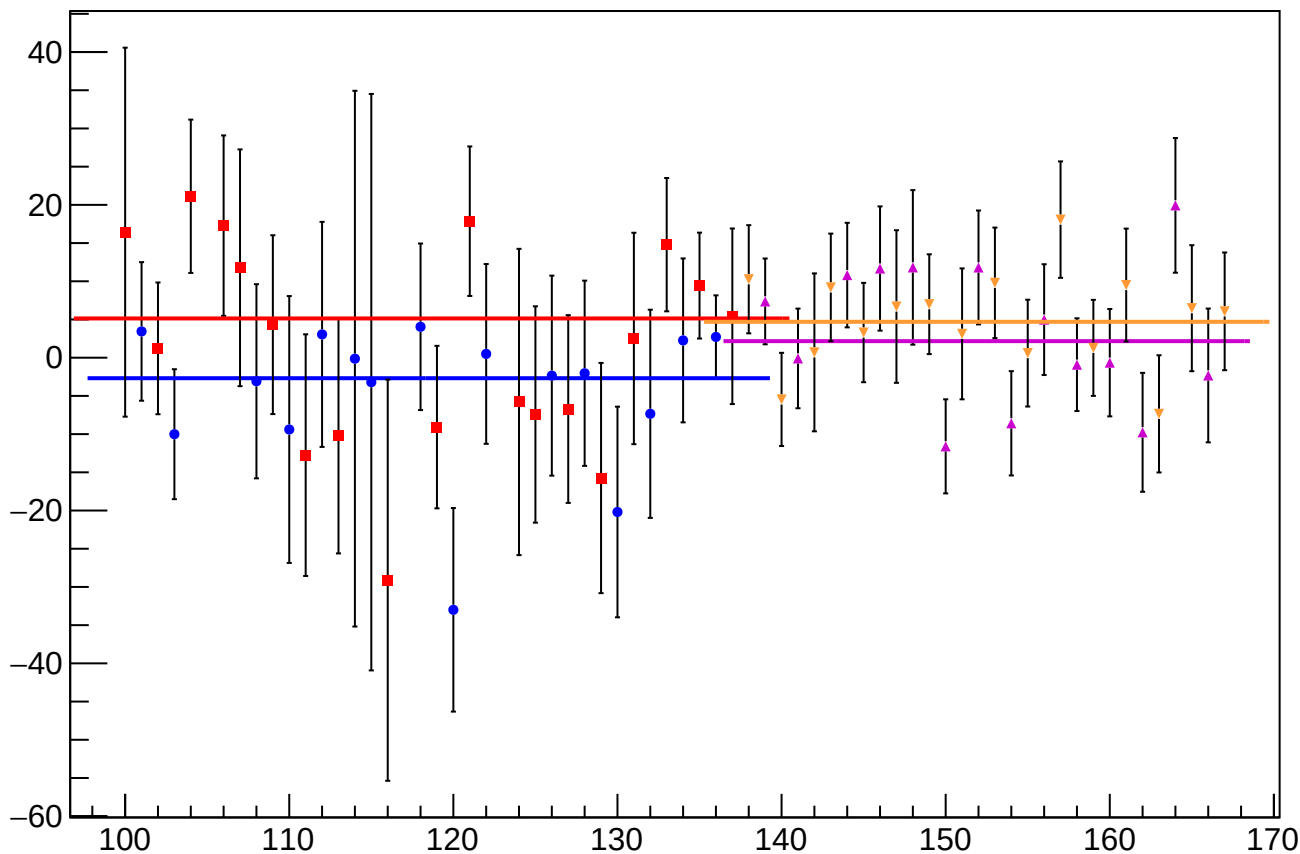
Left In: 924.862 $\pm$ 0.194 χ^2 /NDF: 355719.3/13

+ sign 889.458 $\pm$ 0.142 χ^2 /NDF: 720686.5/31

All: 897.174 $\pm$ 0.103 χ^2 /NDF: 1378778.3/64

- sign 905.510 $\pm$ 0.148 χ^2 /NDF: 651981.2/32

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF : 10.1/15

Left Out: 4.700+/-1.837 χ^2/NDF : 11.4/15

Right Out: 5.136+/-2.692 χ^2/NDF : 17.3/18

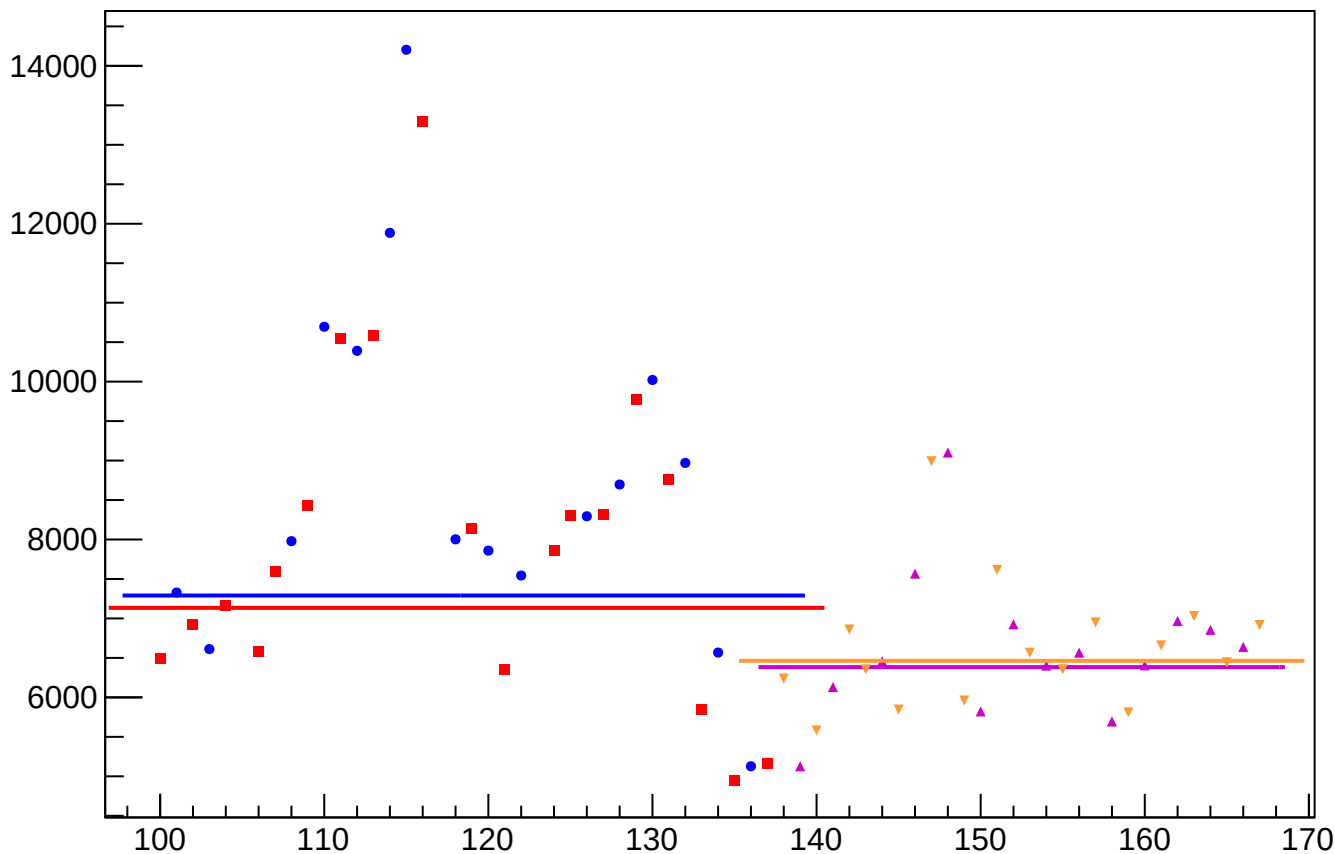
Left In: 2.167+/-1.902 χ^2/NDF : 21.3/13

+ sign 2.464+/-1.534 χ^2/NDF : 26.3/31

All: 2.806+/-1.092 χ^2/NDF : 65.8/64

- sign 3.156+/-1.554 χ^2/NDF : 39.3/32

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF : 770518.2/15

Left Out: 6463.383+/-1.299 χ^2/NDF : 291301.2/15

Right Out: 7134.411+/-1.903 χ^2/NDF : 792788.1/18

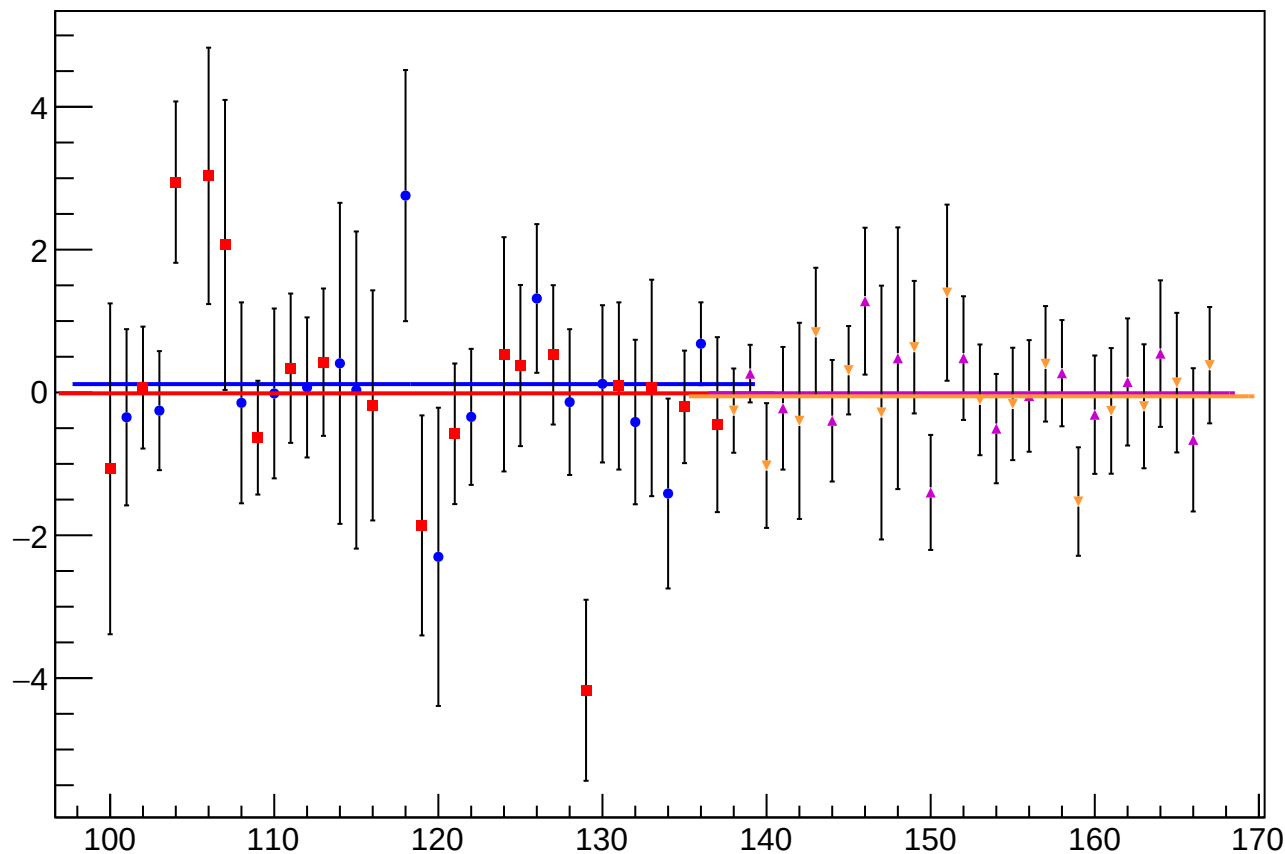
Left In: 6383.596+/-1.345 χ^2/NDF : 363542.0/13

+ sign 6713.749+/-1.085 χ^2/NDF : 1184455.2/31

All: 6674.223+/-0.772 χ^2/NDF : 2447235.0/64

- sign 6633.691+/-1.099 χ^2/NDF : 1260091.1/32

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117 ± 0.273 χ^2/NDF : 8.1/15

Left Out: -0.054 ± 0.211 χ^2/NDF : 9.2/15

Right Out: -0.012 ± 0.263 χ^2/NDF : 25.2/18

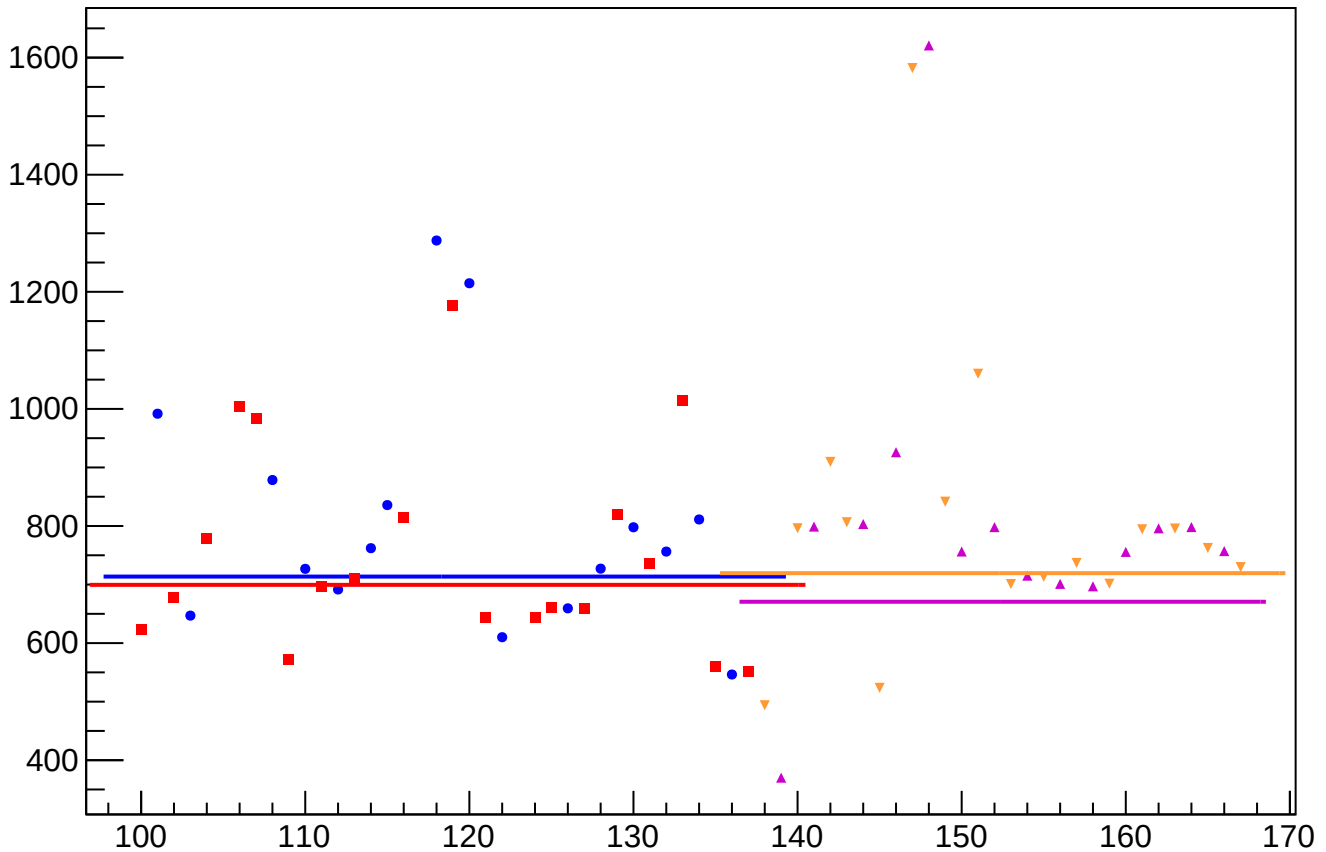
Left In: -0.011 ± 0.209 χ^2/NDF : 7.1/13

+ sign 0.010 ± 0.167 χ^2/NDF : 17.6/31

All: -0.001 ± 0.117 χ^2/NDF : 49.8/64

- sign -0.012 ± 0.164 χ^2/NDF : 32.3/32

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627 $\pm$ 0.193 χ^2 /NDF: 699303.9/15

Left Out: 719.451 $\pm$ 0.149 χ^2 /NDF:1261023.5/15

Right Out: 699.502 $\pm$ 0.186 χ^2 /NDF: 575759.9/18

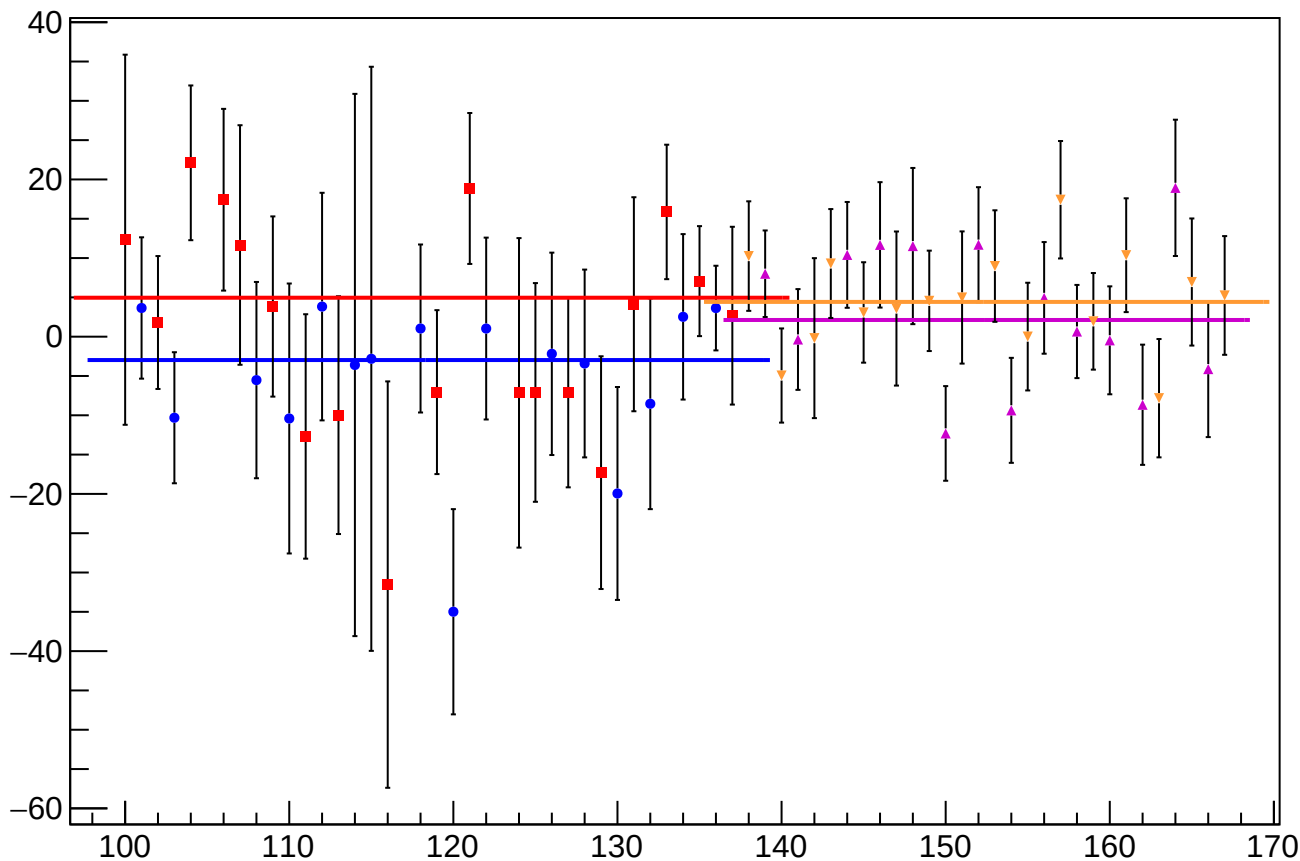
Left In: 670.632 $\pm$ 0.148 χ^2 /NDF:2049299.2/13

+ sign 717.271 $\pm$ 0.118 χ^2 /NDF: 1960896.1/31

All: 699.192 $\pm$ 0.083 χ^2 /NDF: 4646577.8/64

- sign 681.819 $\pm$ 0.116 χ^2 /NDF: 2639797.7/32

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974 ± 2.746 χ^2/NDF : 11.6/15

Left Out: 4.423 ± 1.803 χ^2/NDF : 11.4/15

Right Out: 4.955 ± 2.653 χ^2/NDF : 18.5/18

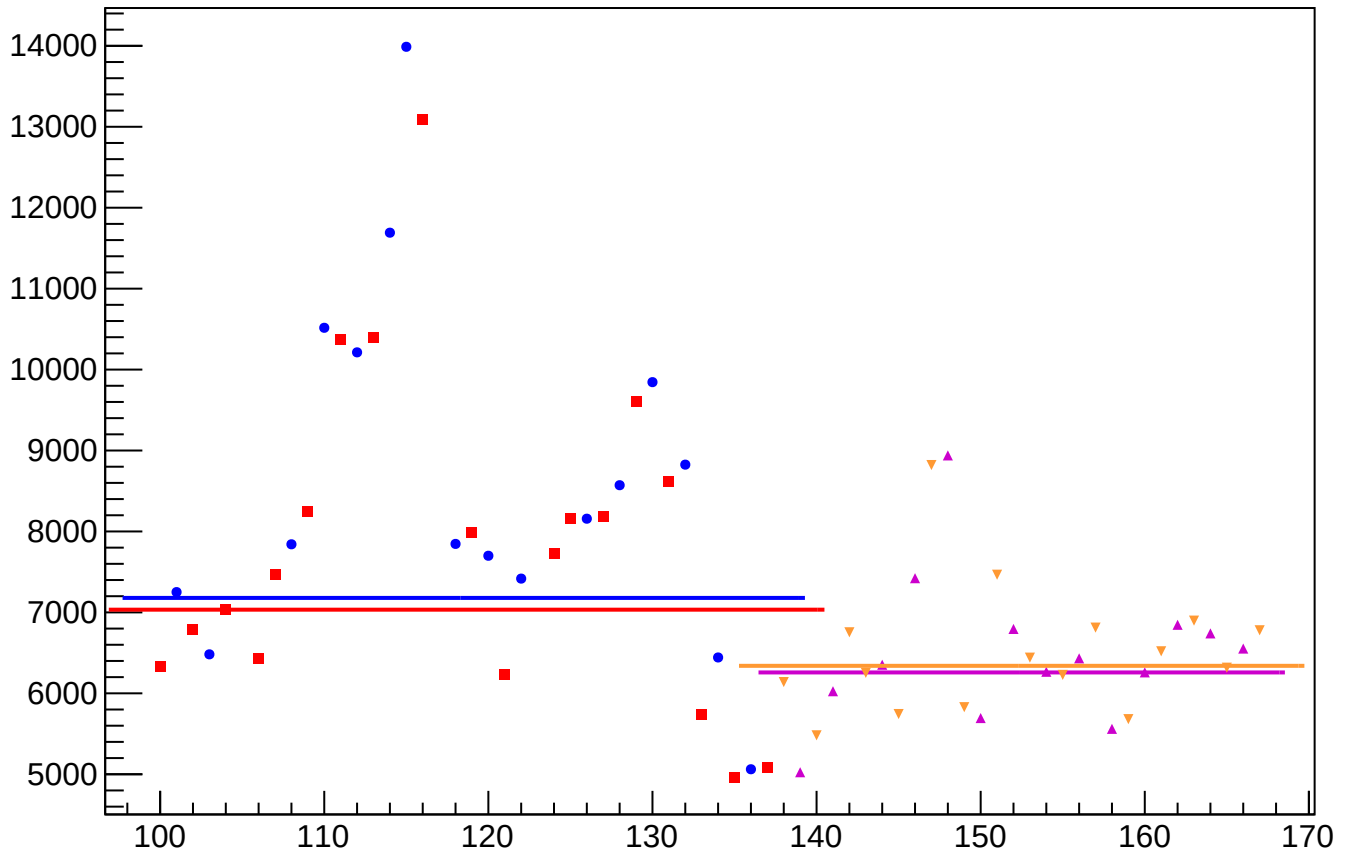
Left In: 2.123 ± 1.866 χ^2/NDF : 22.2/13

+ sign 2.196 ± 1.507 χ^2/NDF : 28.0/31

All: 2.623 ± 1.072 χ^2/NDF : 69.6/64

- sign 3.060 ± 1.526 χ^2/NDF : 41.4/32

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF : 761936.2/15

Left Out: 6339.844+/-1.275 χ^2/NDF : 291536.2/15

Right Out: 7033.538+/-1.876 χ^2/NDF : 766389.2/18

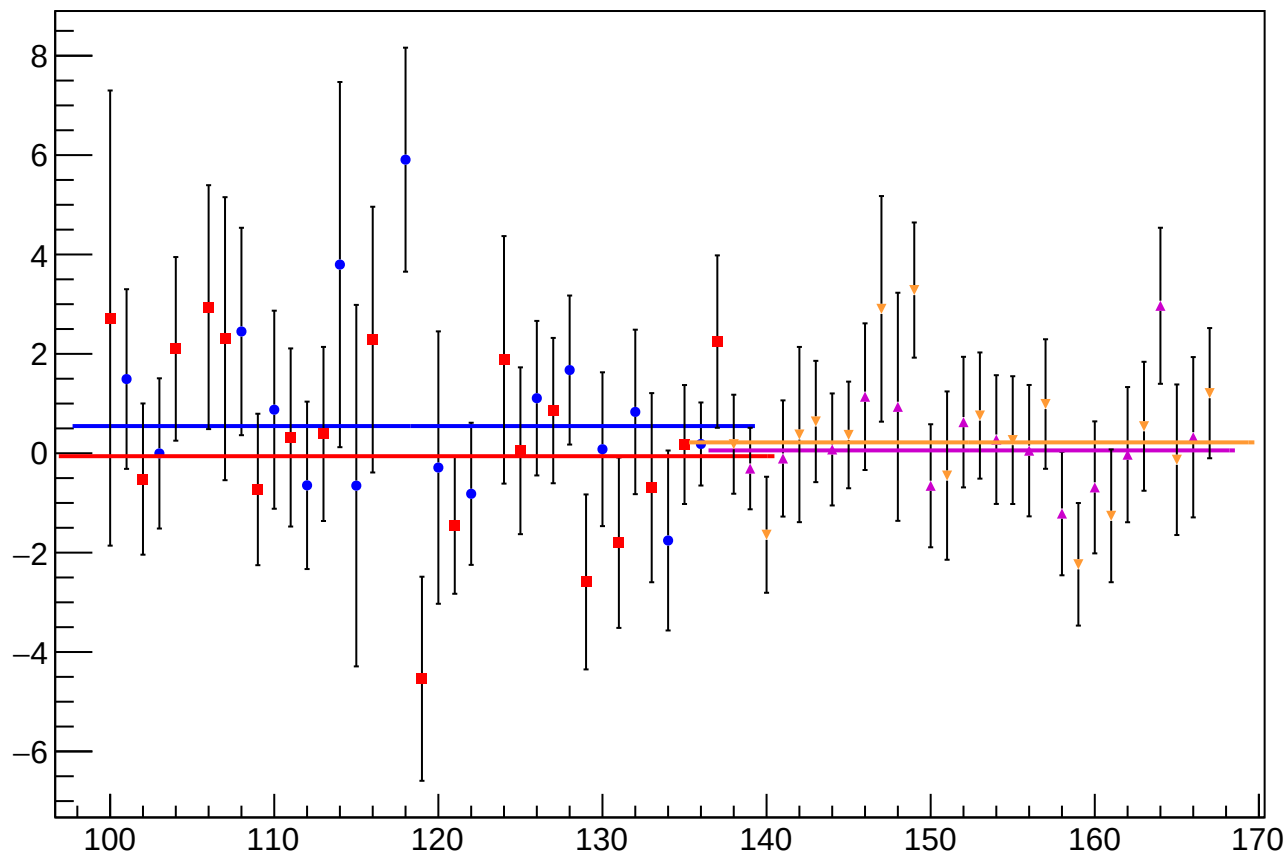
Left In: 6258.024+/-1.319 χ^2/NDF : 369278.4/13

+ sign 6592.520+/-1.066 χ^2/NDF : 1183973.6/31

All: 6554.067+/-0.758 χ^2/NDF : 2436613.5/64

- sign 6514.625+/-1.079 χ^2/NDF : 1250001.8/32

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547 ± 0.411 χ^2/NDF : 11.9/15

Left Out: 0.219 ± 0.327 χ^2/NDF : 15.7/15

Right Out: -0.059 ± 0.409 χ^2/NDF : 16.9/18

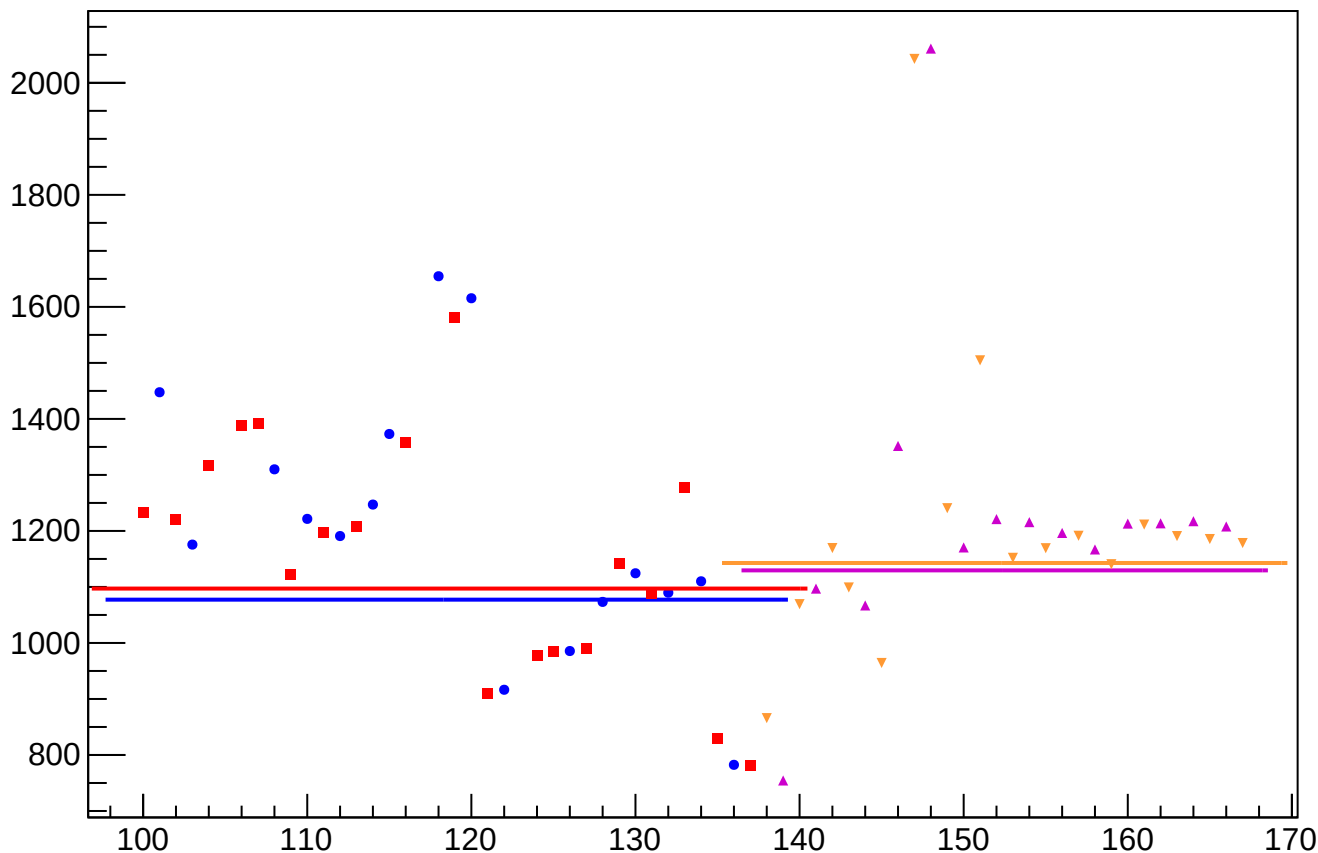
Left In: 0.057 ± 0.341 χ^2/NDF : 6.3/13

+ sign 0.346 ± 0.256 χ^2/NDF : 28.0/31

All: 0.182 ± 0.183 χ^2/NDF : 52.1/64

- sign 0.010 ± 0.262 χ^2/NDF : 23.2/32

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306 $\pm$ 0.291 χ^2 /NDF: 646521.7/15

Left Out: 1142.779 $\pm$ 0.231 χ^2 /NDF: 651618.6/15

Right Out: 1097.108 $\pm$ 0.289 χ^2 /NDF: 484370.7/18

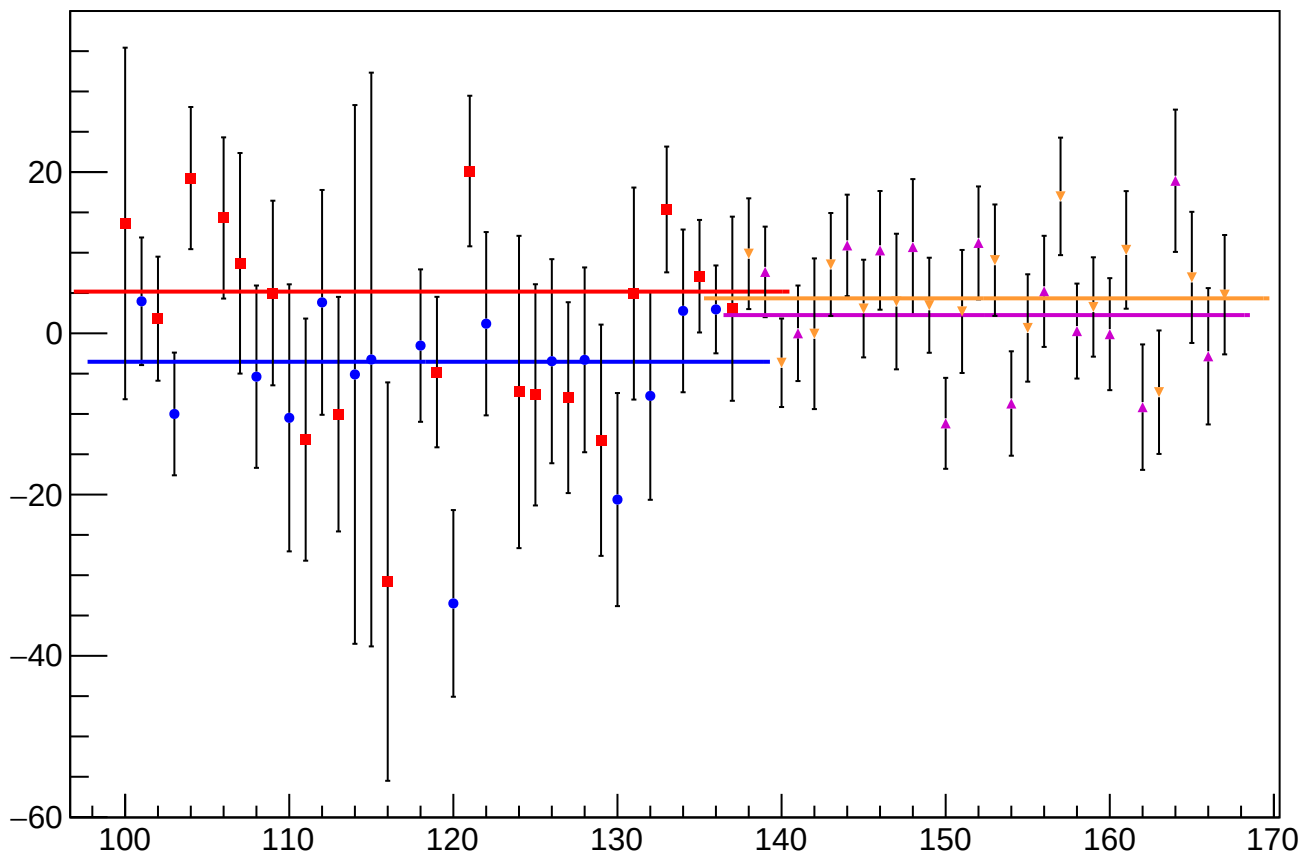
Left In: 1129.578 $\pm$ 0.241 χ^2 /NDF: 855219.4/13

+ sign 1117.353 $\pm$ 0.181 χ^2 /NDF: 1329203.3/31

All: 1116.817 $\pm$ 0.129 χ^2 /NDF: 2676250.6/64

- sign 1116.256 $\pm$ 0.185 χ^2 /NDF: 1347029.4/32

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527 $\pm$ 2.608 χ^2/NDF : 12.6/15

Left Out: 4.340 $\pm$ 1.726 χ^2/NDF : 10.4/15

Right Out: 5.176 $\pm$ 2.508 χ^2/NDF : 18.2/18

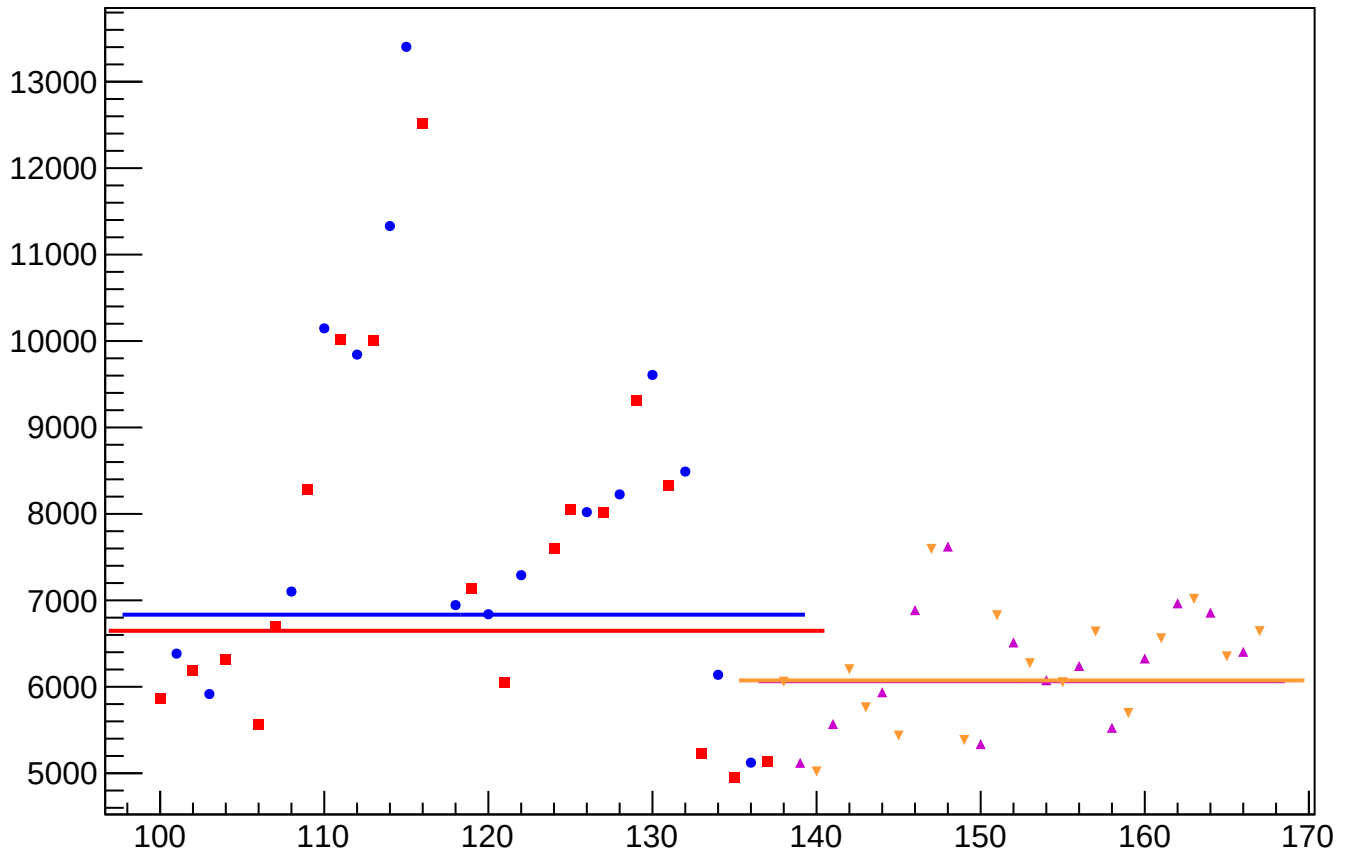
Left In: 2.262 $\pm$ 1.803 χ^2/NDF : 21.8/13

+ sign 1.944 $\pm$ 1.439 χ^2/NDF : 29.4/31

All: 2.588 $\pm$ 1.026 χ^2/NDF : 70.7/64

- sign 3.255 $\pm$ 1.464 χ^2/NDF : 40.9/32

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF : 692722.6/15

Left Out: 6073.856+/-1.221 χ^2/NDF : 288110.5/15

Right Out: 6647.996+/-1.773 χ^2/NDF : 785102.6/18

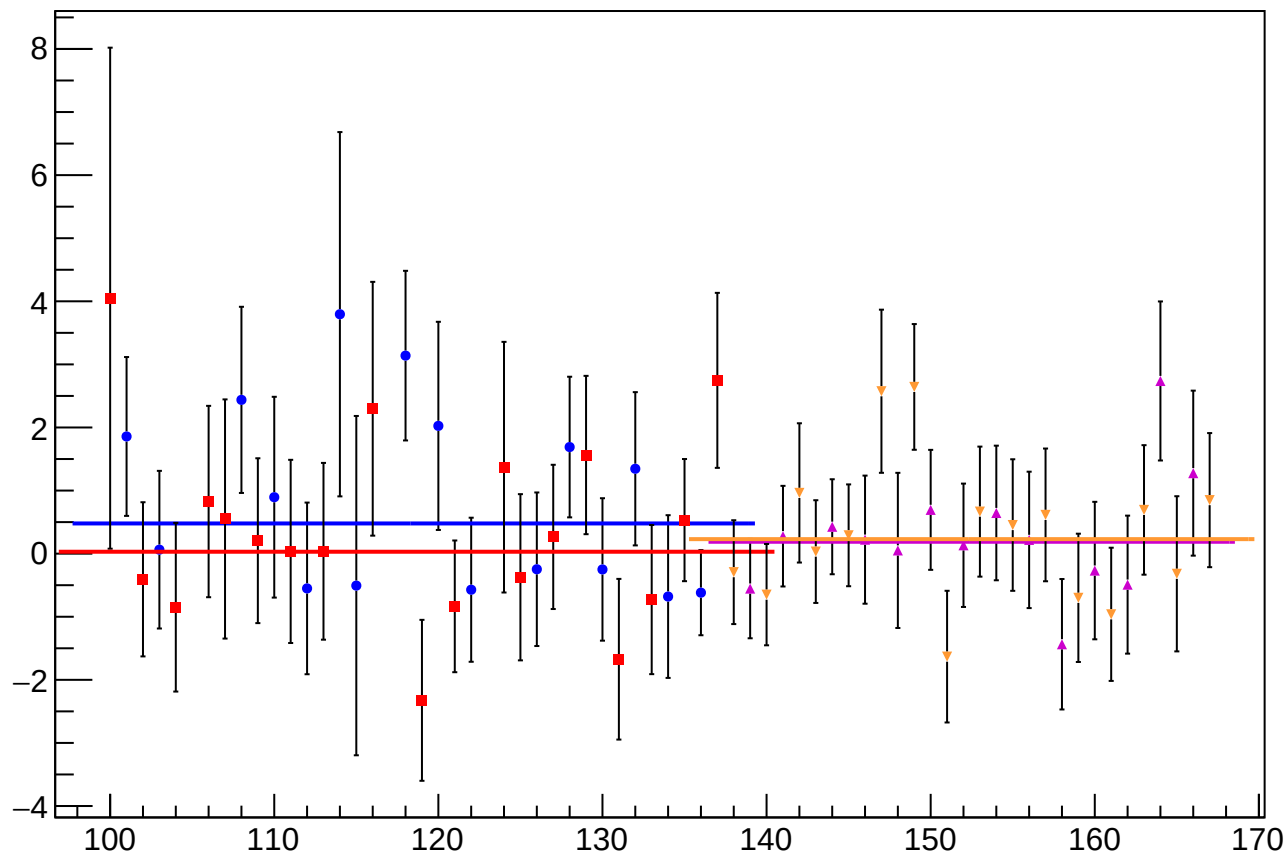
Left In: 6064.447+/-1.275 χ^2/NDF : 273214.1/13

+ sign 6305.505+/-1.018 χ^2/NDF : 1099078.2/31

All: 6284.750+/-0.726 χ^2/NDF : 2229625.4/64

- sign 6263.283+/-1.035 χ^2/NDF : 1129701.3/32

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479 ± 0.311 χ^2/NDF : 16.7/15

Left Out: 0.230 ± 0.246 χ^2/NDF : 17.7/15

Right Out: 0.030 ± 0.309 χ^2/NDF : 15.7/18

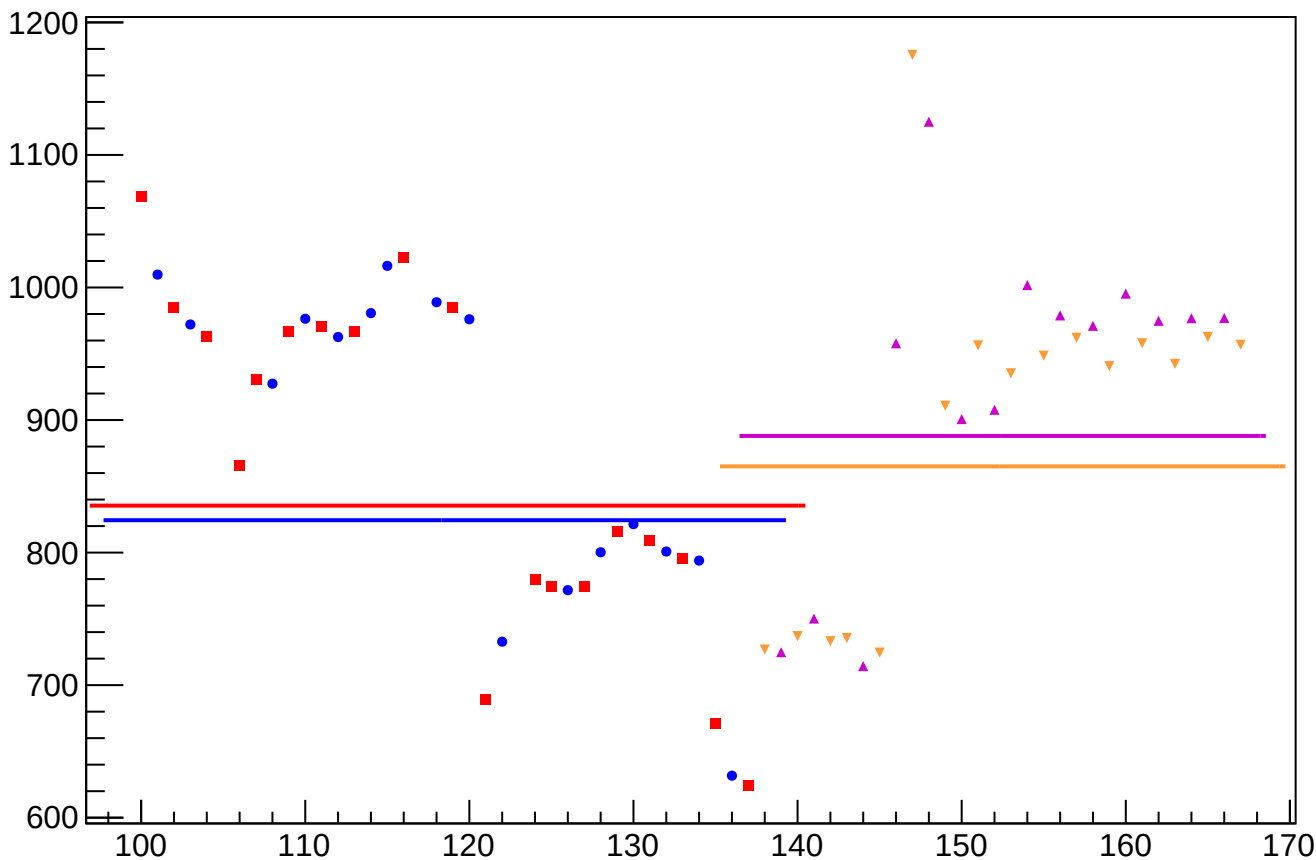
Left In: 0.189 ± 0.264 χ^2/NDF : 9.3/13

+ sign 0.326 ± 0.193 χ^2/NDF : 34.8/31

All: 0.228 ± 0.139 χ^2/NDF : 60.5/64

- sign 0.122 ± 0.201 χ^2/NDF : 25.2/32

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431 $\pm$ 0.220 χ^2 /NDF: 365461.7/15

Left Out: 865.035 $\pm$ 0.174 χ^2 /NDF: 486431.4/15

Right Out: 835.437 $\pm$ 0.218 χ^2 /NDF: 319302.1/18

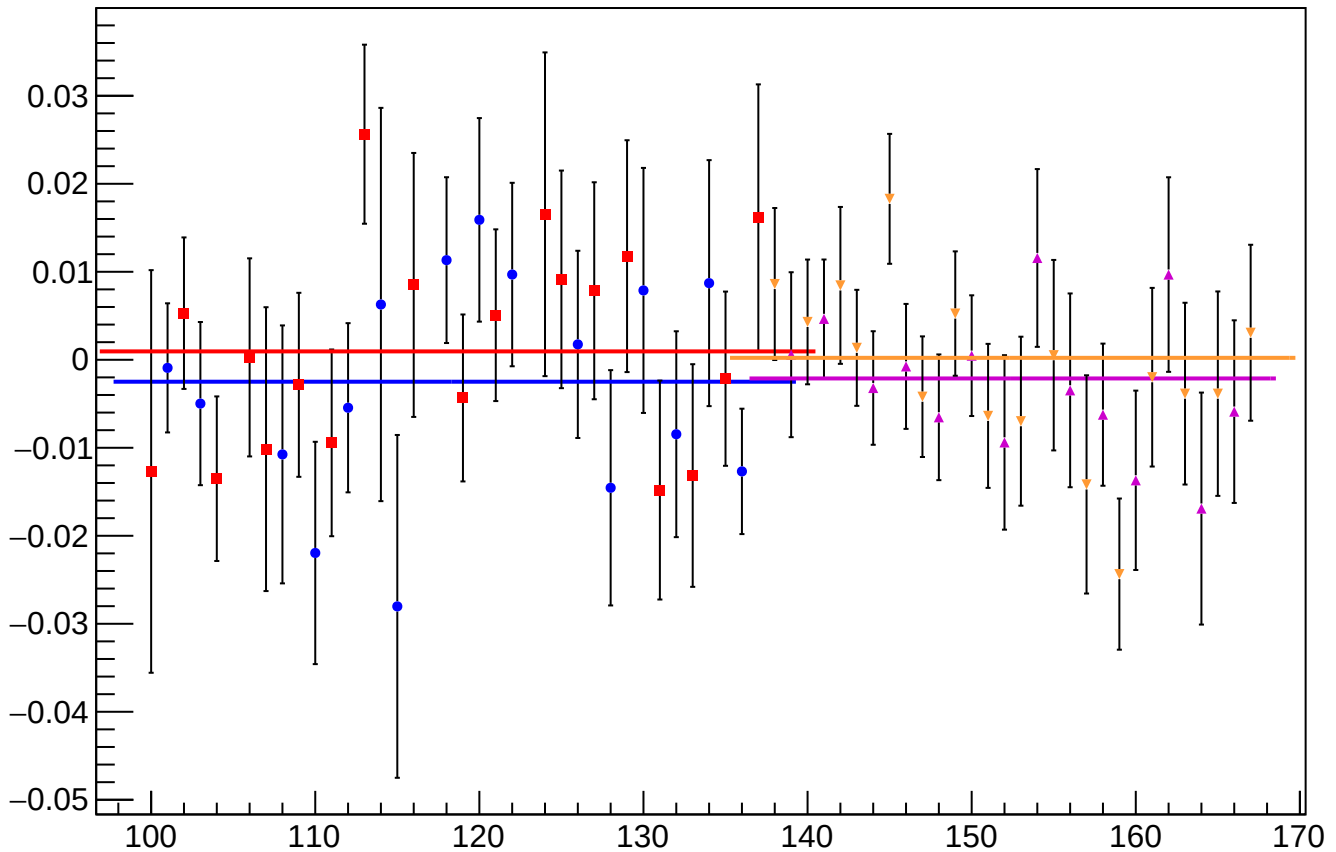
Left In: 888.017 $\pm$ 0.187 χ^2 /NDF: 437896.6/13

+ sign 849.405 $\pm$ 0.136 χ^2 /NDF: 872890.0/31

All: 857.243 $\pm$ 0.098 χ^2 /NDF: 1670456.2/64

- sign 865.744 $\pm$ 0.142 χ^2 /NDF: 790677.4/32

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002 ± 0.003 χ^2/NDF : 15.3/15

Left Out: 0.000 ± 0.002 χ^2/NDF : 20.2/15

Right Out: 0.001 ± 0.003 χ^2/NDF : 17.3/18

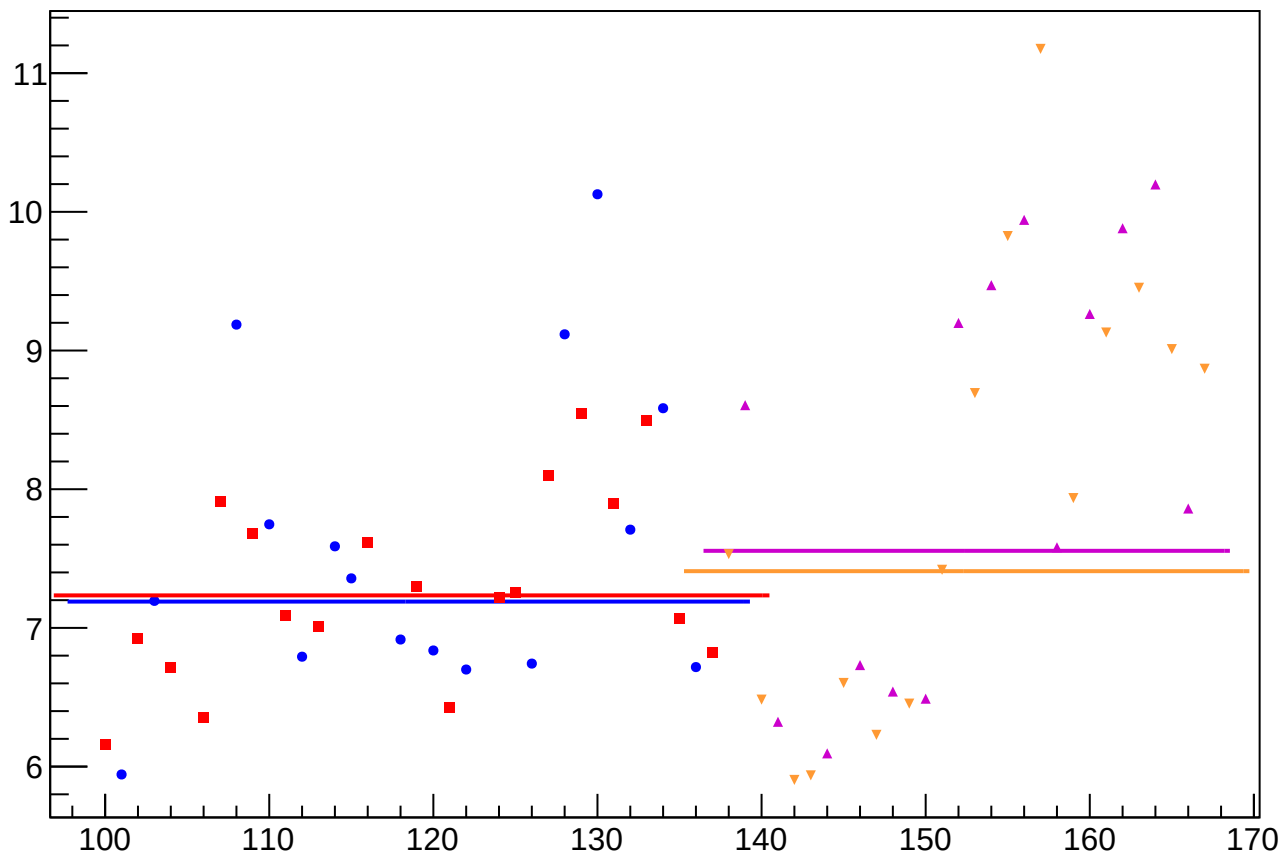
Left In: -0.002 ± 0.002 χ^2/NDF : 8.1/13

+ sign -0.001 ± 0.002 χ^2/NDF : 36.1/31

All: -0.001 ± 0.001 χ^2/NDF : 62.4/64

- sign -0.001 ± 0.002 χ^2/NDF : 26.2/32

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190 ± 0.002 χ^2/NDF : 277639.9/15

Left Out: 7.409 ± 0.002 χ^2/NDF : 854919.3/15

Right Out: 7.234 ± 0.002 χ^2/NDF : 106266.0/18

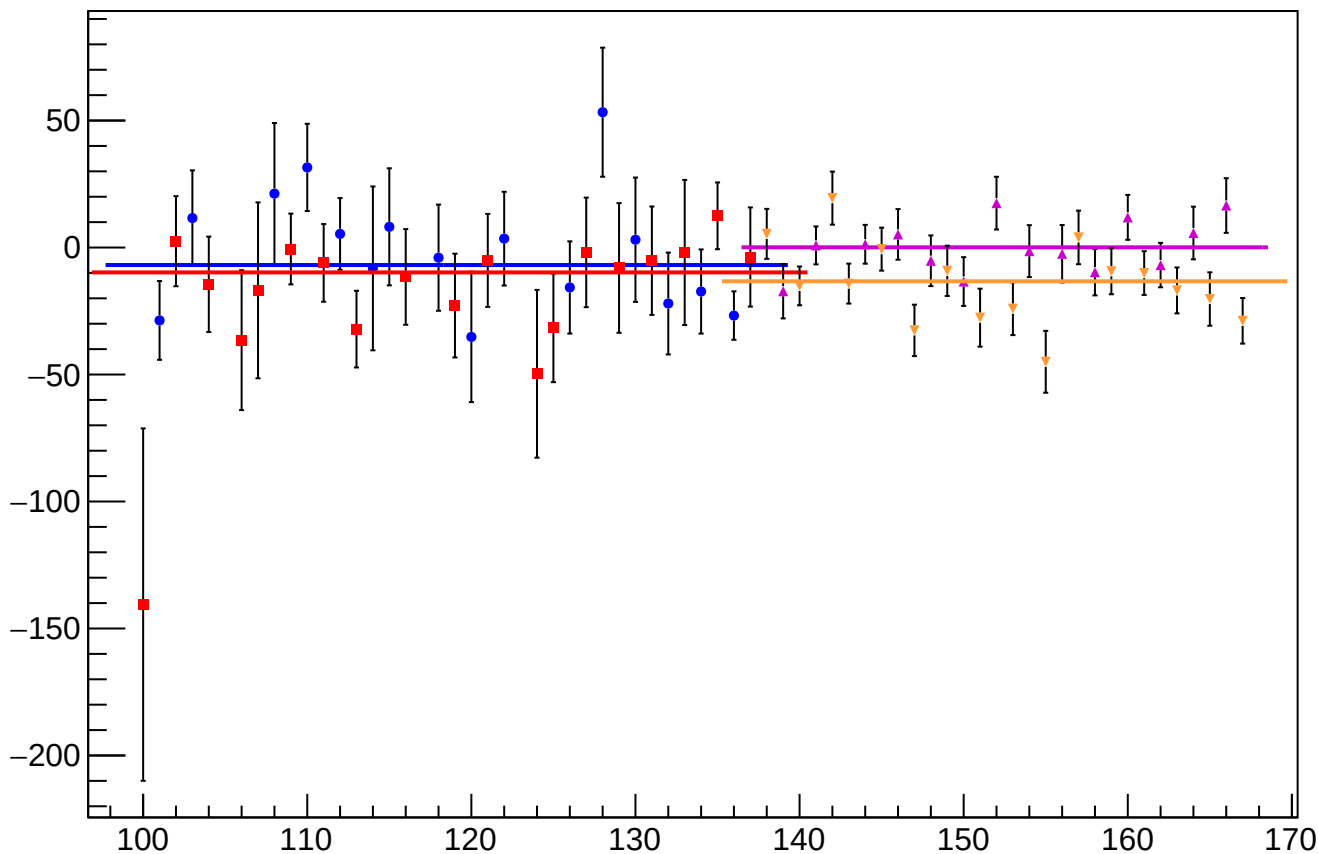
Left In: 7.556 ± 0.002 χ^2/NDF : 757601.8/13

+ sign 7.325 ± 0.001 χ^2/NDF : 1140646.8/31

All: 7.371 ± 0.001 χ^2/NDF : 2024569.1/64

- sign 7.420 ± 0.001 χ^2/NDF : 880779.4/32

diff_targ_positionX_mean vs Slug



Right In: -6.891 ± 4.488 χ^2/NDF : 23.0/15

Left Out: -13.290 ± 2.365 χ^2/NDF : 35.6/15

Right Out: -9.790 ± 4.517 χ^2/NDF : 14.0/18

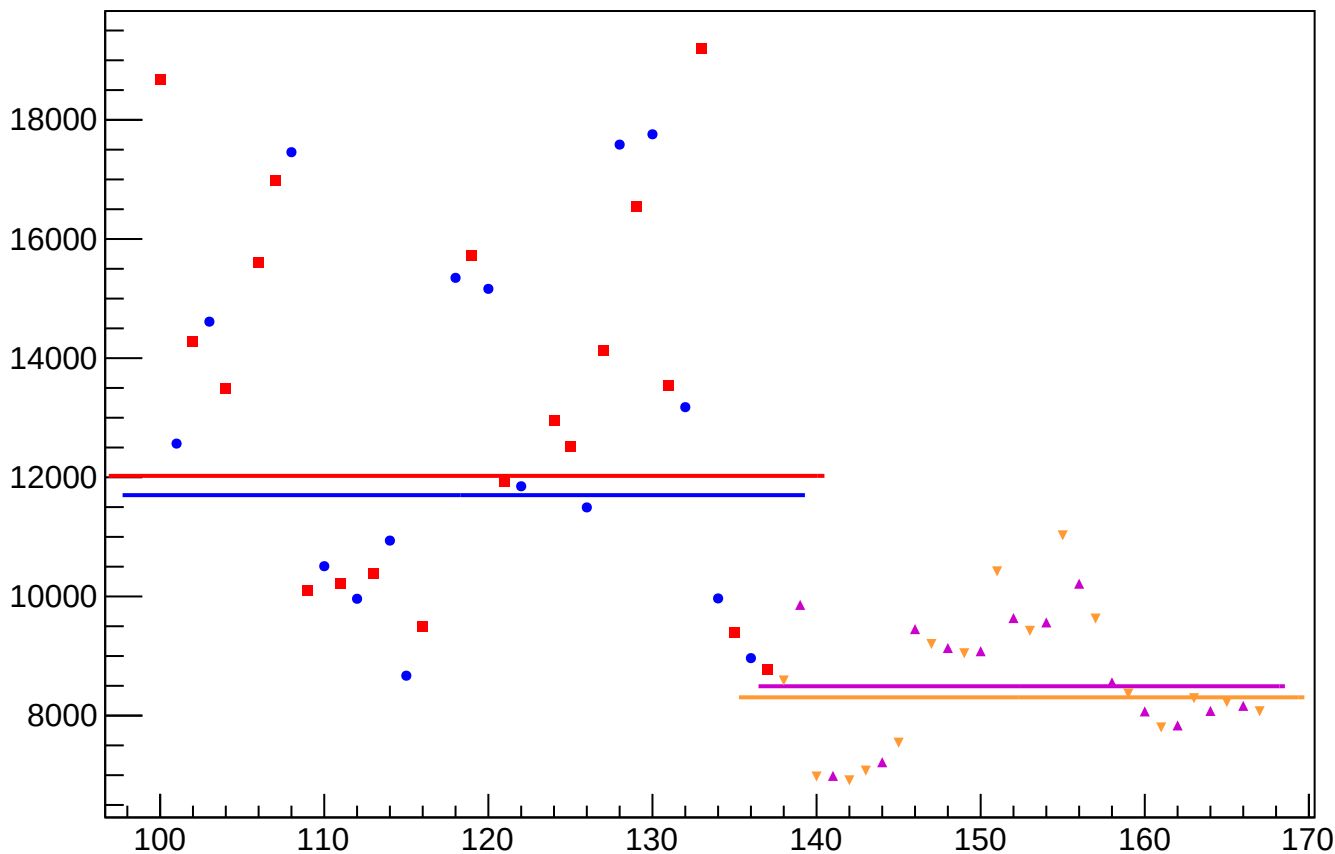
Left In: 0.082 ± 2.522 χ^2/NDF : 14.2/13

+ sign -11.900 ± 2.092 χ^2/NDF : 60.2/31

All: -7.328 ± 1.517 χ^2/NDF : 102.2/64

- sign -2.264 ± 2.202 χ^2/NDF : 31.9/32

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF : 740185.3/15

Left Out: 8306.719+/-1.672 χ^2/NDF : 421114.4/15

Right Out: 12024.262+/-3.194 χ^2/NDF : 684788.9/18

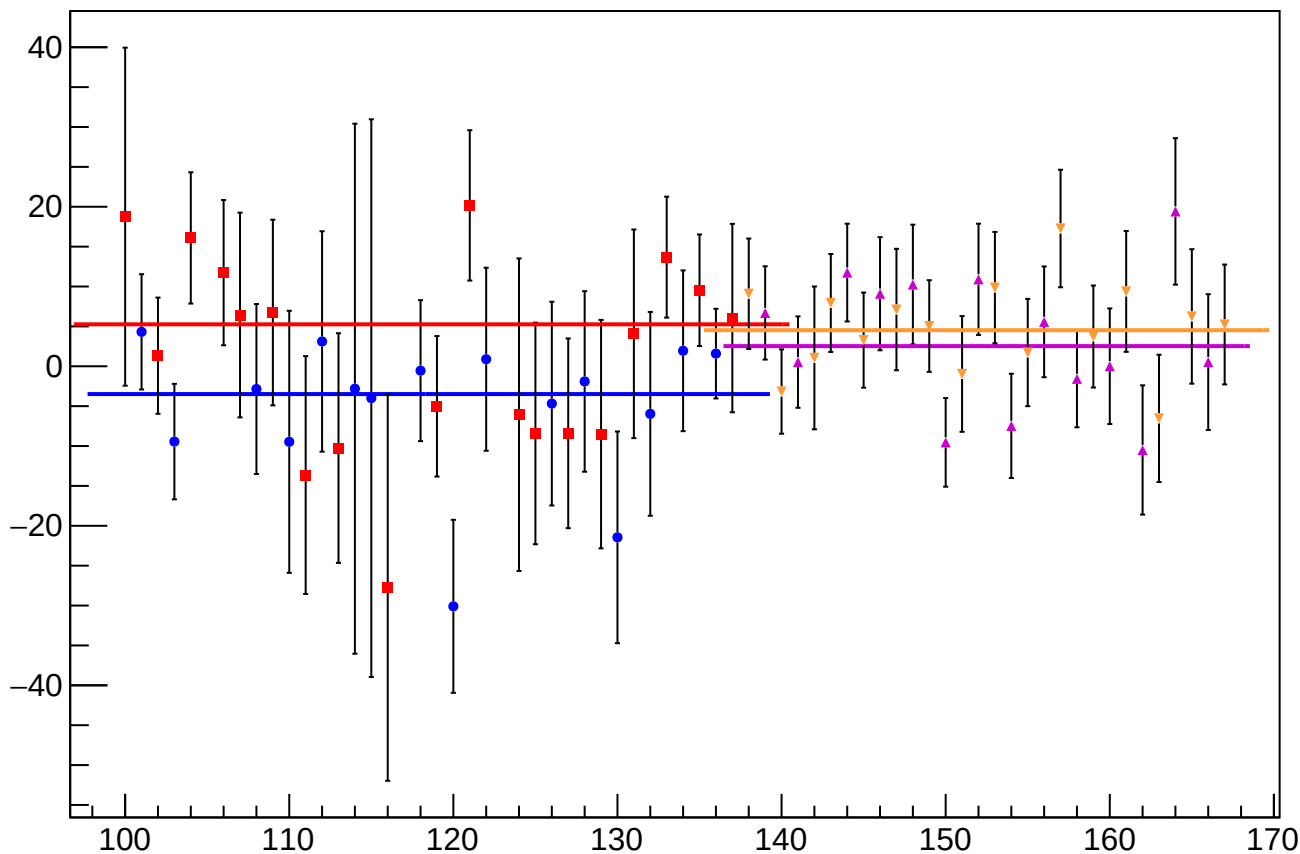
Left In: 8492.621+/-1.783 χ^2/NDF : 317547.8/13

+ sign 9044.135+/-1.479 χ^2/NDF : 2056386.2/31

All: 9180.565+/-1.072 χ^2/NDF : 4008625.3/64

- sign 9331.682+/-1.557 χ^2/NDF : 1934313.9/32

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF : 11.5/15

Left Out: 4.524+/-1.713 χ^2/NDF : 9.9/15

Right Out: 5.259+/-2.446 χ^2/NDF : 16.6/18

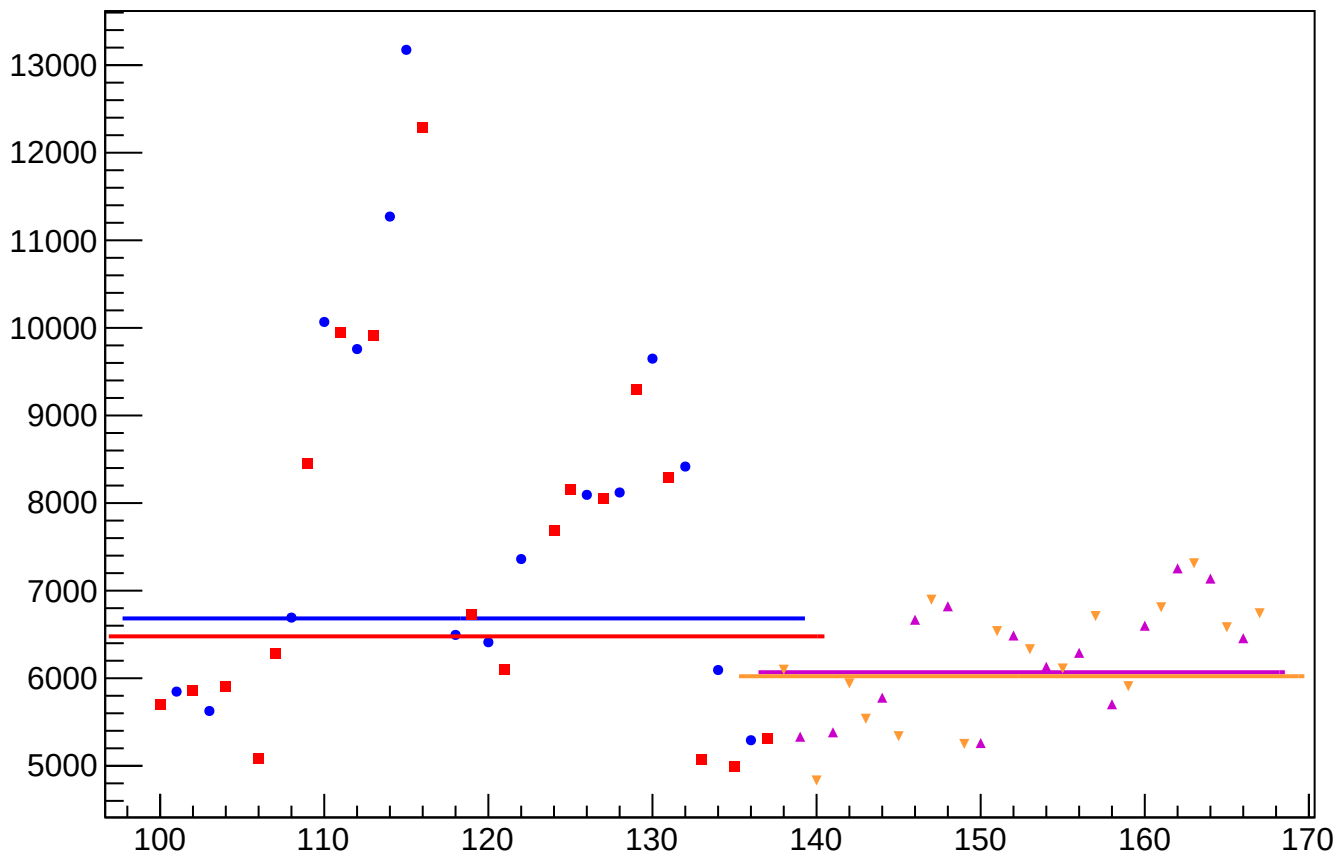
Left In: 2.527+/-1.802 χ^2/NDF : 20.1/13

+ sign 2.033+/-1.422 χ^2/NDF : 28.2/31

All: 2.746+/-1.016 χ^2/NDF : 66.2/64

- sign 3.488+/-1.451 χ^2/NDF : 37.5/32

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF : 692200.2/15

Left Out: 6022.852+/-1.211 χ^2/NDF : 336285.0/15

Right Out: 6478.126+/-1.730 χ^2/NDF : 839226.8/18

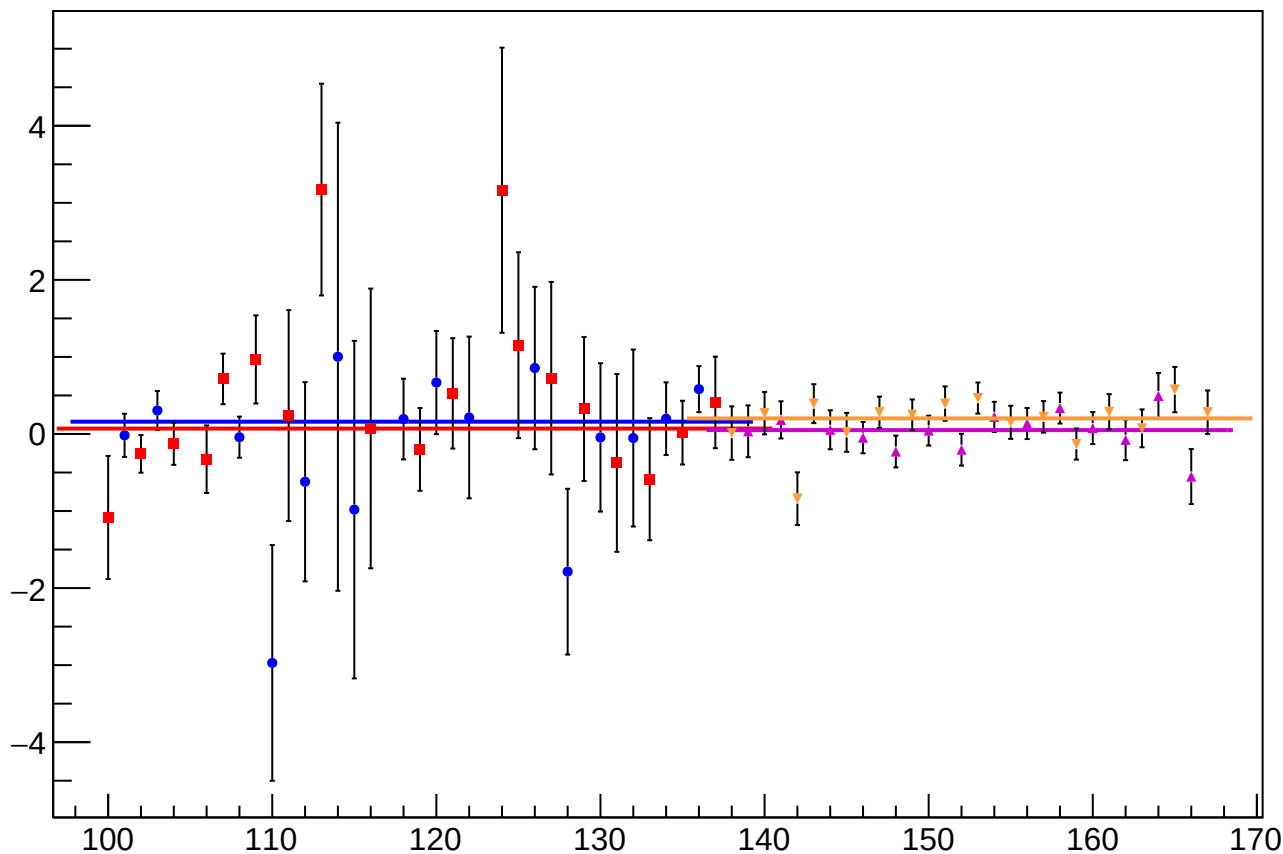
Left In: 6068.724+/-1.274 χ^2/NDF : 243069.0/13

+ sign 6228.169+/-1.005 χ^2/NDF : 1120858.2/31

All: 6220.598+/-0.718 χ^2/NDF : 2239583.2/64

- sign 6212.717+/-1.026 χ^2/NDF : 1118609.2/32

diff_targ_thetaX_mean vs Slug



Right In: 0.160 ± 0.120 χ^2/NDF : 12.6/15

Left Out: 0.202 ± 0.059 χ^2/NDF : 18.3/15

Right Out: 0.070 ± 0.120 χ^2/NDF : 22.5/18

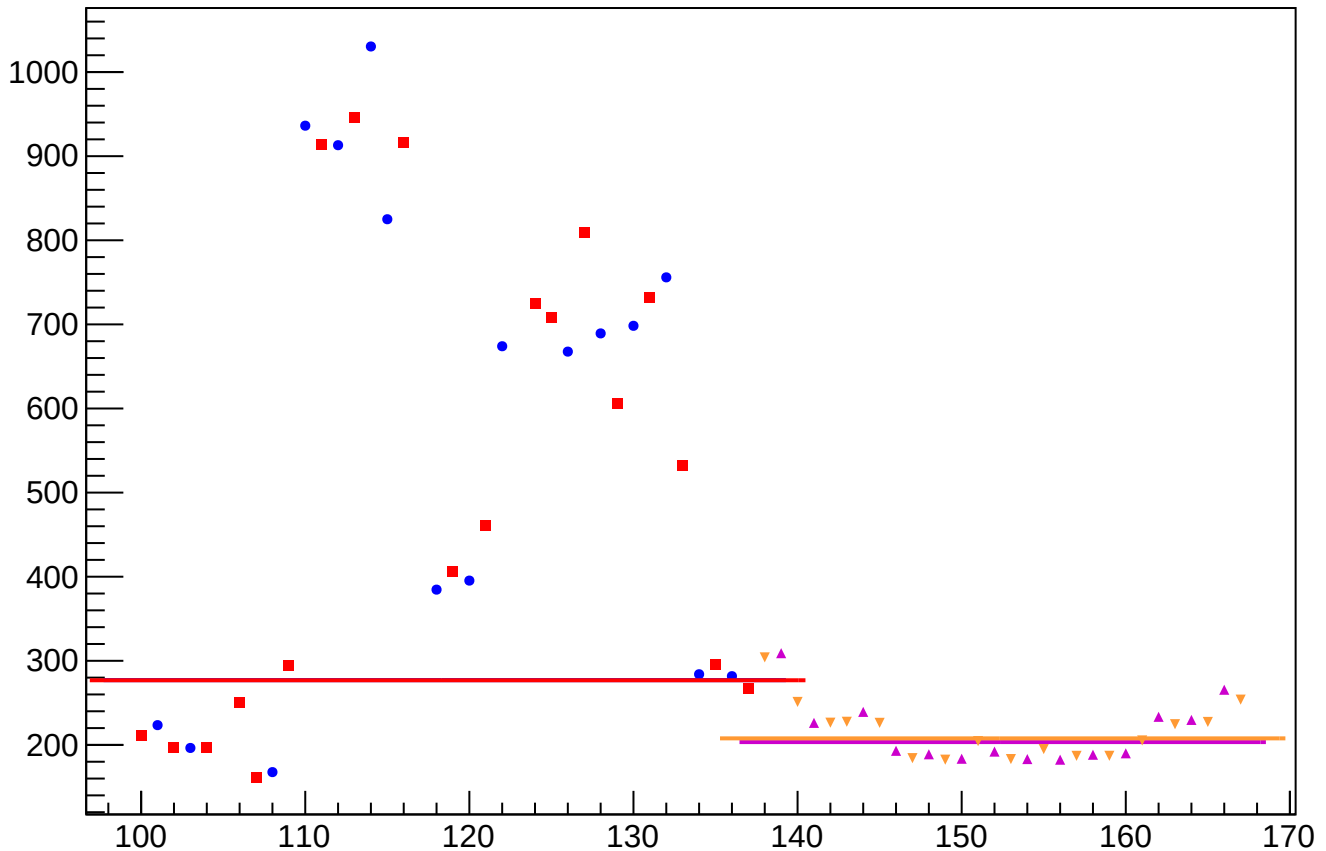
Left In: 0.050 ± 0.061 χ^2/NDF : 12.2/13

+ sign 0.194 ± 0.053 χ^2/NDF : 31.0/31

All: 0.126 ± 0.038 χ^2/NDF : 69.1/64

- sign 0.054 ± 0.054 χ^2/NDF : 34.7/32

diff_targ_thetaX_rms vs Slug



Right In: 277.017 $\pm$ 0.085 χ^2 /NDF: 3450533.8/15

Left Out: 207.784 $\pm$ 0.042 χ^2 /NDF: 441618.0/15

Right Out: 276.866 $\pm$ 0.085 χ^2 /NDF: 3571620.7/18

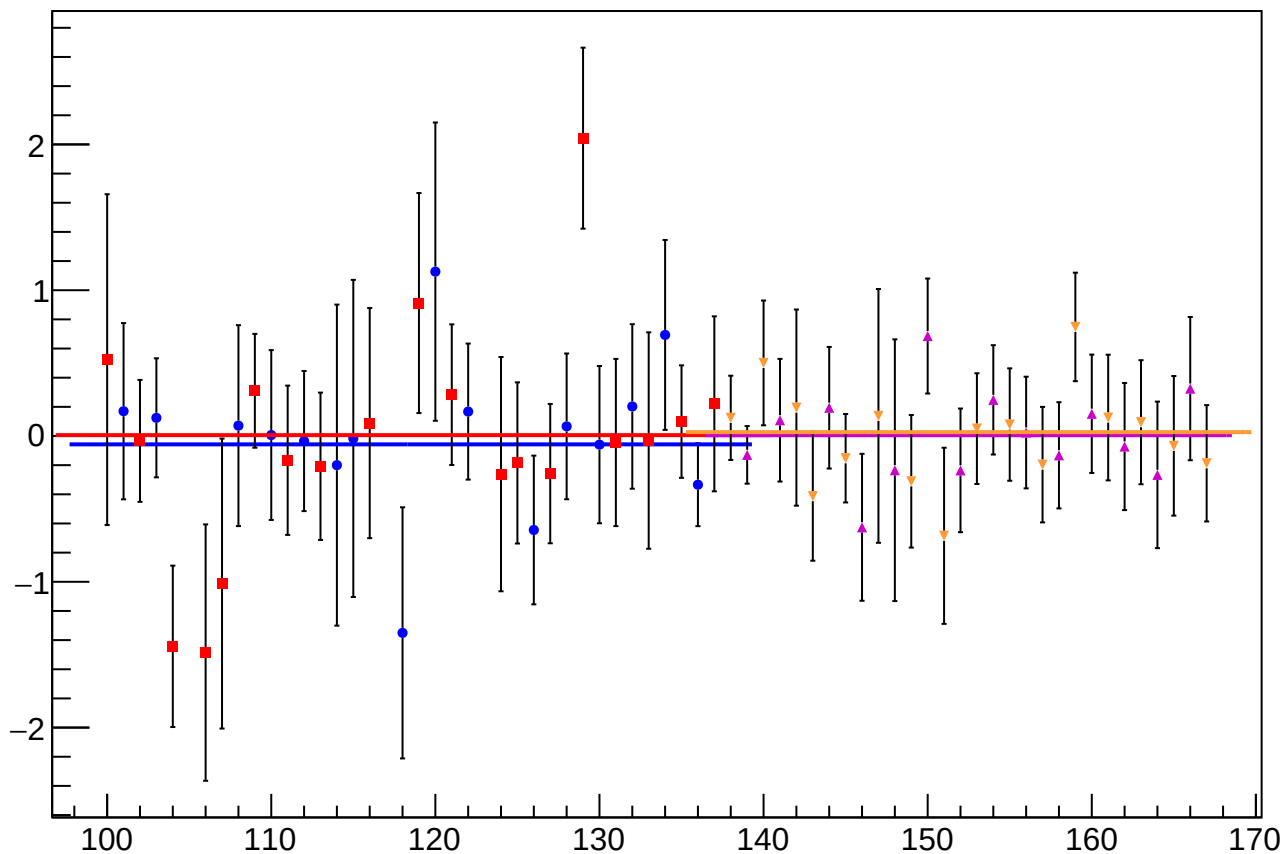
Left In: 203.364 $\pm$ 0.043 χ^2 /NDF: 462646.2/13

+ sign 221.414 $\pm$ 0.038 χ^2 /NDF: 4430572.7/31

All: 219.930 $\pm$ 0.027 χ^2 /NDF: 9068022.0/64

- sign 218.387 $\pm$ 0.038 χ^2 /NDF: 4634259.1/32

diff_targ_thetaY_mean vs Slug



Right In: -0.057 ± 0.134 χ^2/NDF : 8.1/15

Left Out: 0.026 ± 0.104 χ^2/NDF : 9.2/15

Right Out: 0.006 ± 0.129 χ^2/NDF : 25.2/18

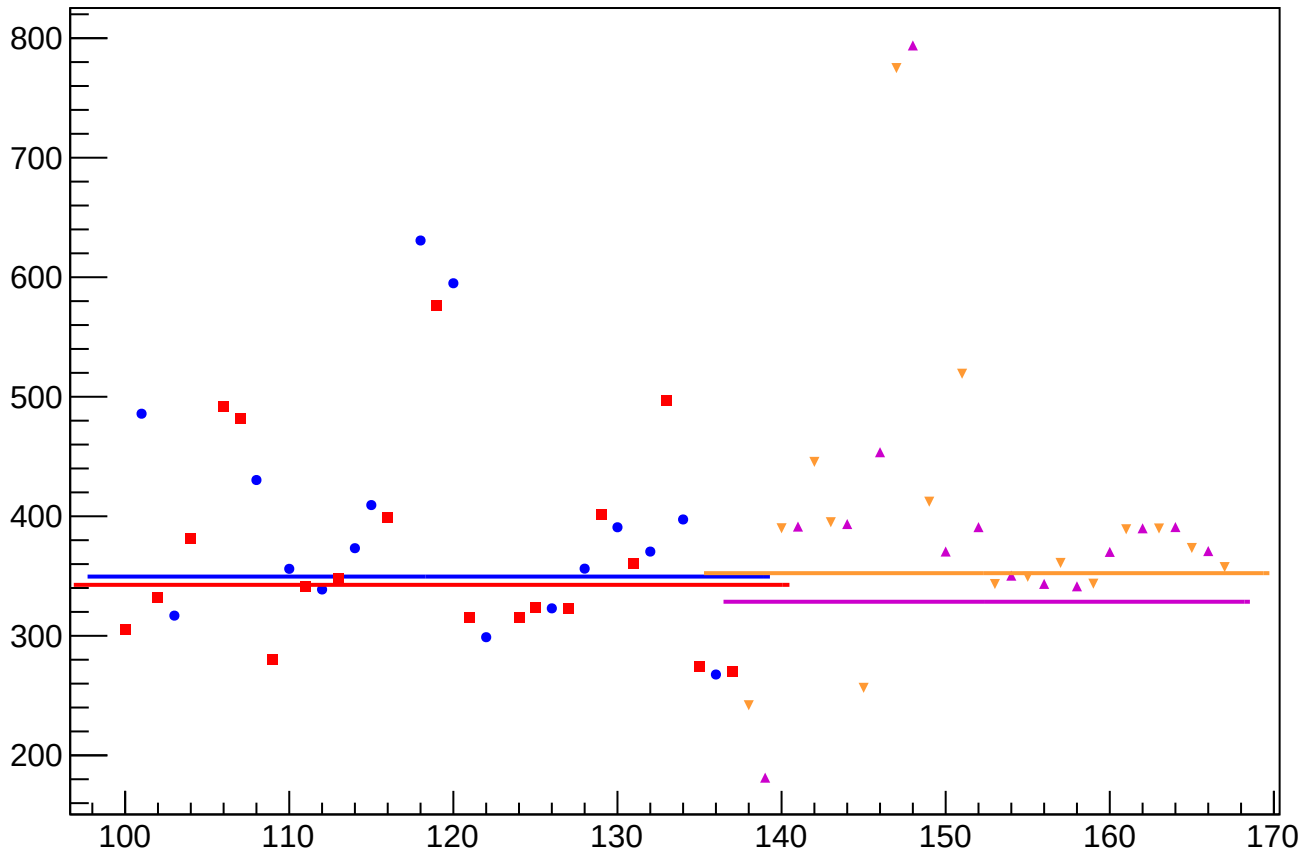
Left In: 0.005 ± 0.103 χ^2/NDF : 7.1/13

+ sign -0.005 ± 0.082 χ^2/NDF : 17.6/31

All: 0.000 ± 0.057 χ^2/NDF : 49.8/64

- sign 0.006 ± 0.080 χ^2/NDF : 32.3/32

diff_targ_thetaY_rms vs Slug



Right In: 349.560 ± 0.095 χ^2/NDF : 699303.9/15

Left Out: 352.413 ± 0.073 χ^2/NDF : 1261023.5/15

Right Out: 342.641 ± 0.091 χ^2/NDF : 575759.9/18

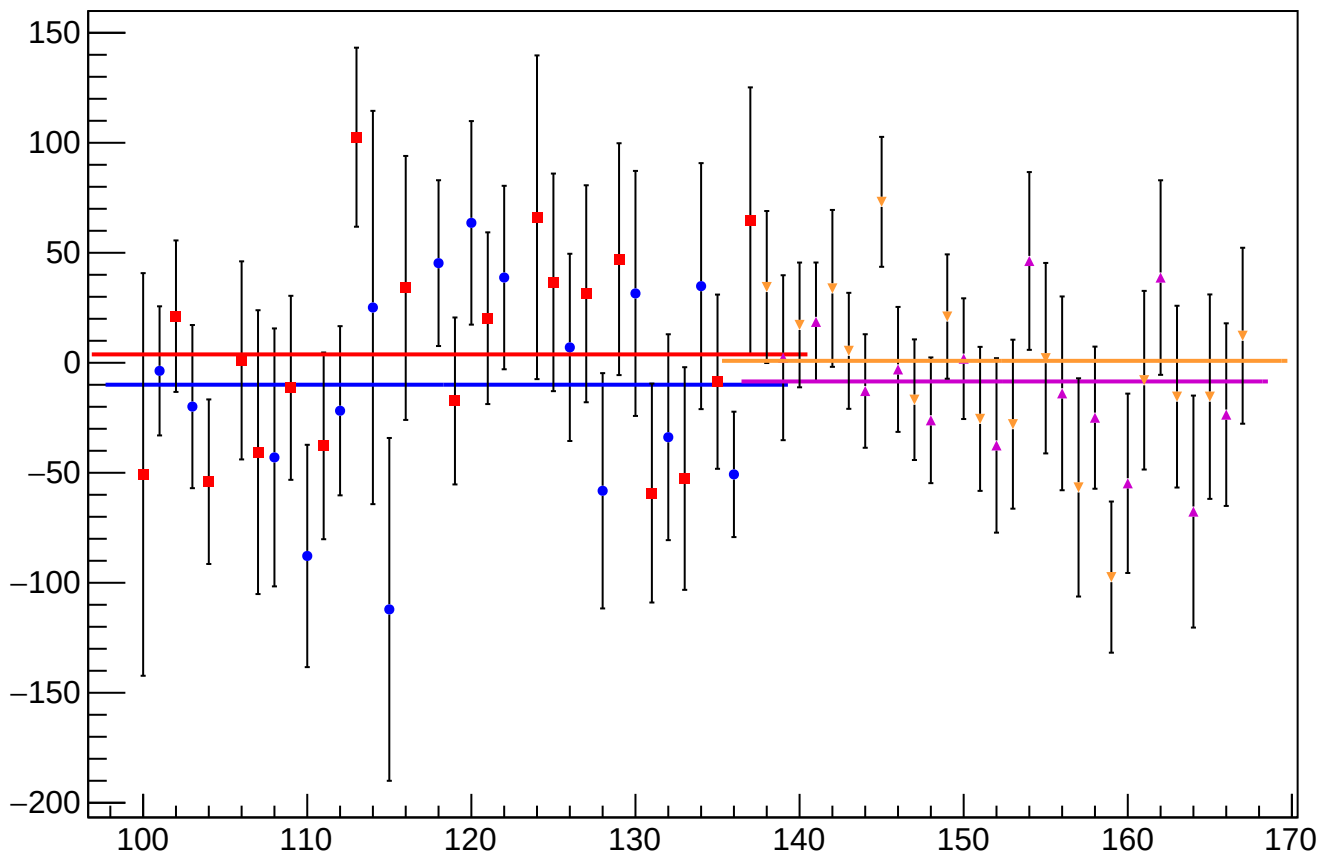
Left In: 328.499 ± 0.073 χ^2/NDF : 2049299.2/13

+ sign 351.345 ± 0.058 χ^2/NDF : 1960896.1/31

All: 342.489 ± 0.041 χ^2/NDF : 4646577.8/64

- sign 333.980 ± 0.057 χ^2/NDF : 2639797.7/32

diff_bpmE_mean vs Slug



Right In: -9.969 ± 10.836 χ^2/NDF : 15.3/15

Left Out: 0.884 ± 8.539 χ^2/NDF : 20.2/15

Right Out: 3.814 ± 10.636 χ^2/NDF : 17.3/18

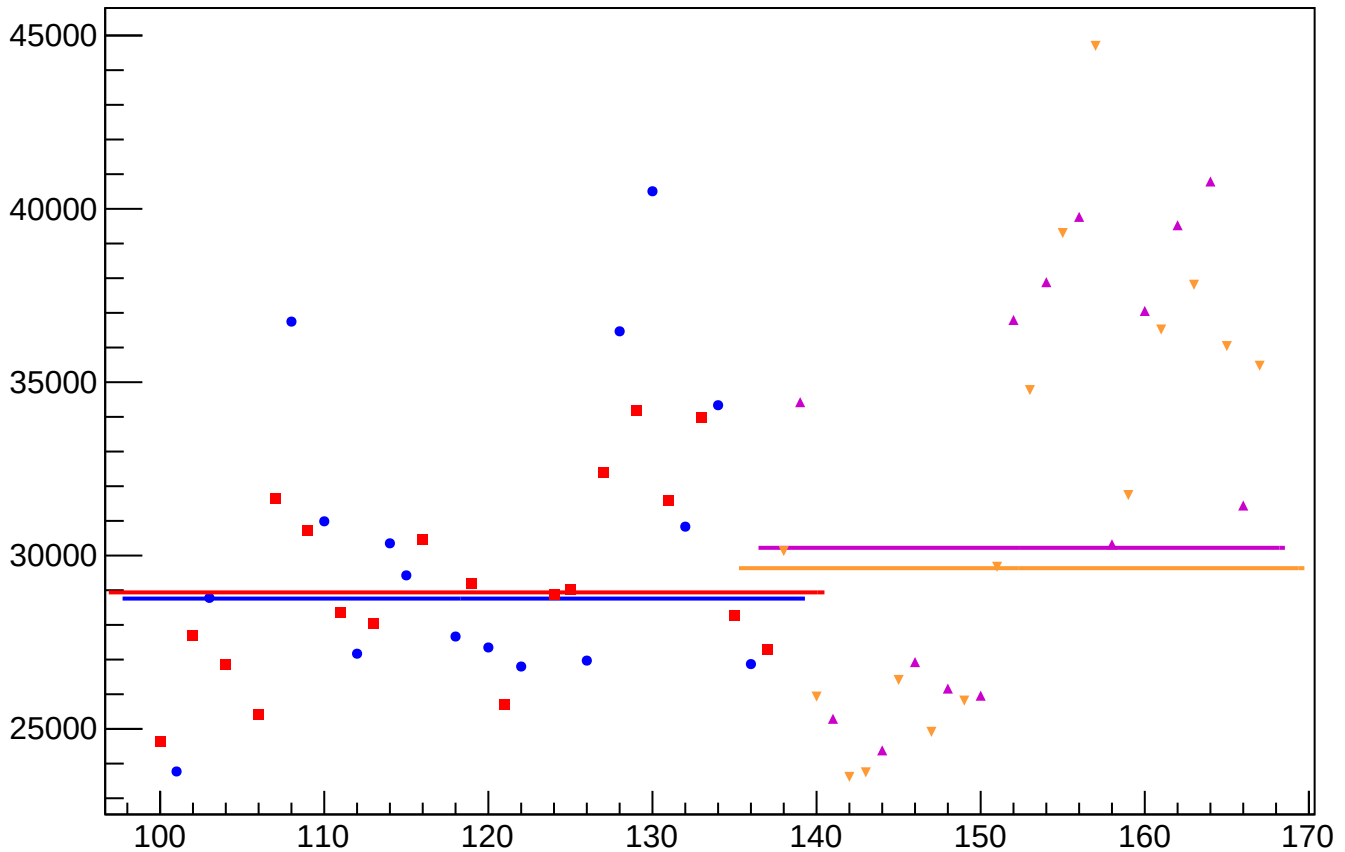
Left In: -8.485 ± 9.070 χ^2/NDF : 8.1/13

+ sign -3.274 ± 6.707 χ^2/NDF : 36.1/31

All: -3.290 ± 4.810 χ^2/NDF : 62.4/64

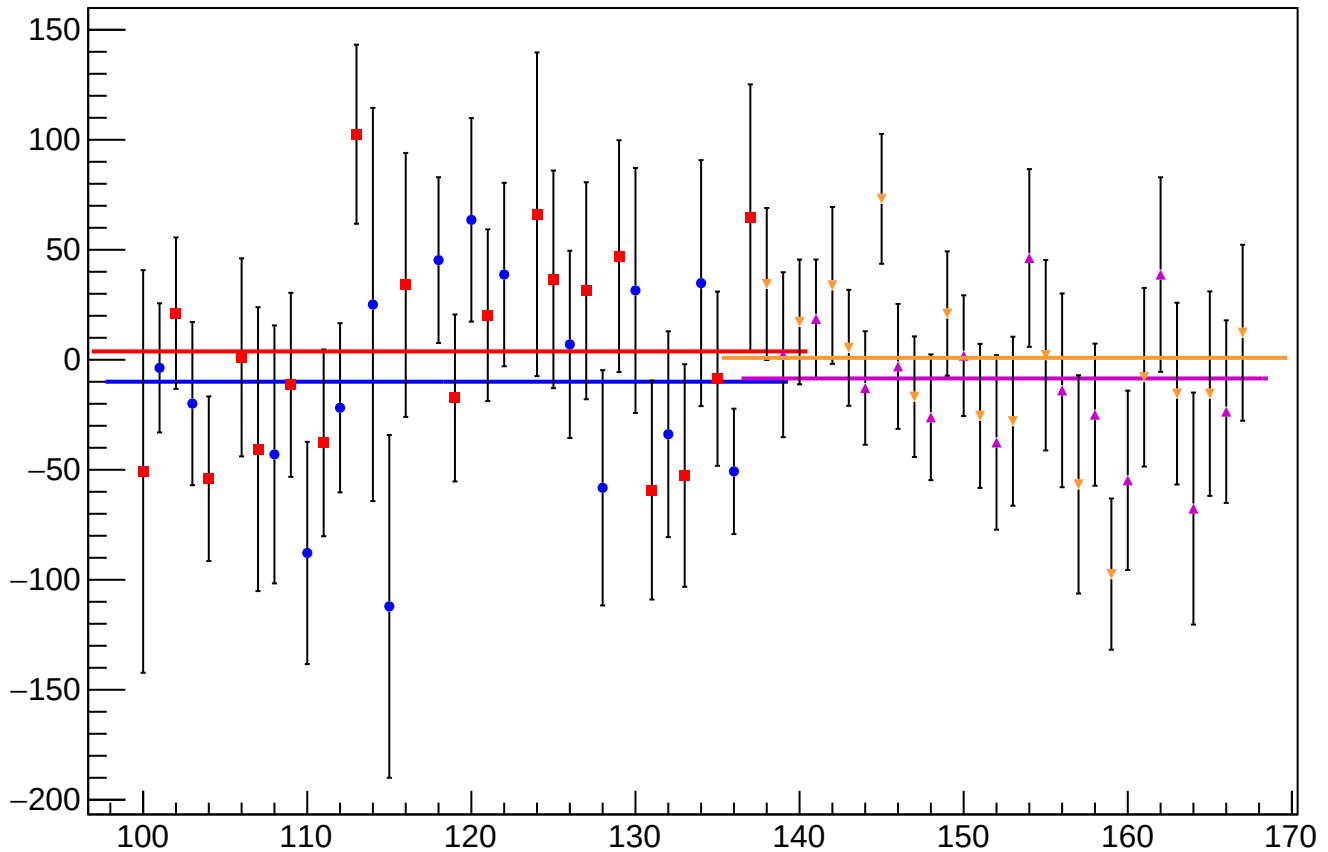
- sign -3.307 ± 6.902 χ^2/NDF : 26.2/32

diff_bpmE_rms vs Slug



Right In: 28759.090 ± 7.662 $\chi^2/\text{NDF}: 277639.9/15$ + sign 29300.337 ± 4.742 $\chi^2/\text{NDF}: 1140646.8/31$
 Left Out: 29636.413 ± 6.038 $\chi^2/\text{NDF}: 854919.3/15$ All: 29485.625 ± 3.401 $\chi^2/\text{NDF}: 2024569.1/6$
 Right Out: 28937.633 ± 7.521 $\chi^2/\text{NDF}: 106266.0/18$ - sign 29681.830 ± 4.880 $\chi^2/\text{NDF}: 880779.4/32$
 Left In: 30223.044 ± 6.414 $\chi^2/\text{NDF}: 757601.8/13$

diff_bpmEX_mean vs Slug



Right In: -9.969 ± 10.836 χ^2/NDF : 15.3/15

Left Out: 0.884 ± 8.539 χ^2/NDF : 20.2/15

Right Out: 3.814 ± 10.636 χ^2/NDF : 17.3/18

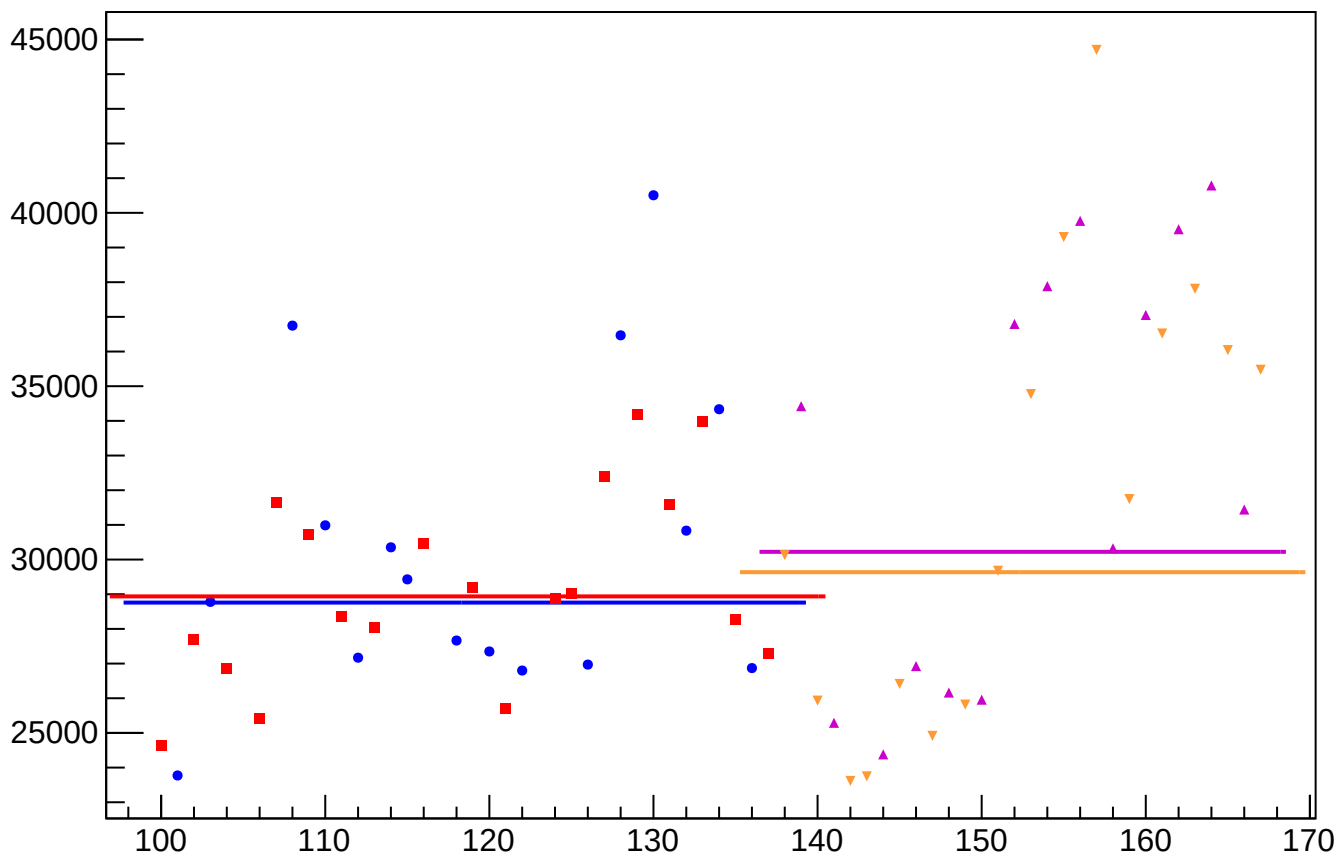
Left In: -8.485 ± 9.070 χ^2/NDF : 8.1/13

+ sign -3.274 ± 6.707 χ^2/NDF : 36.1/31

All: -3.290 ± 4.810 χ^2/NDF : 62.4/64

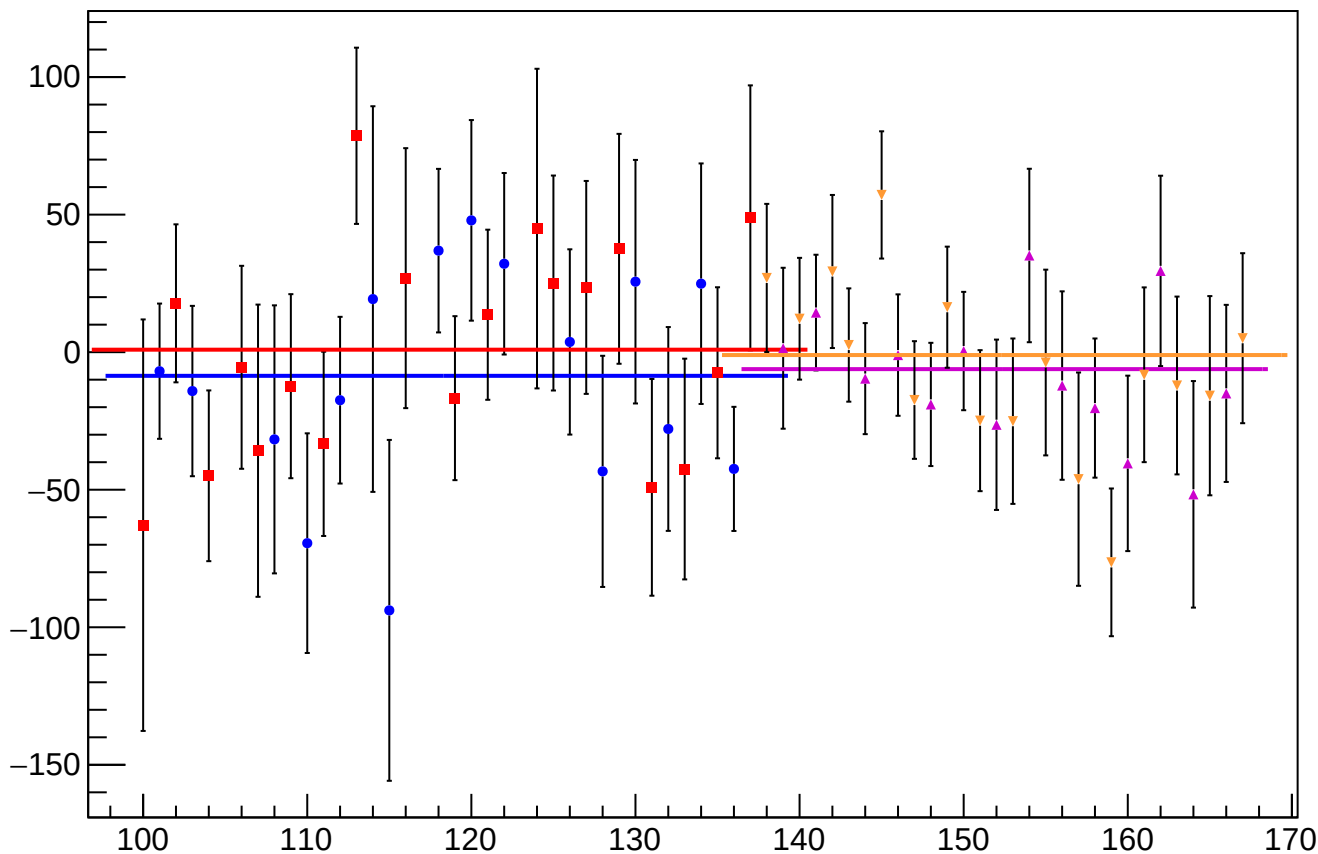
- sign -3.307 ± 6.902 χ^2/NDF : 26.2/32

diff_bpmEX_rms vs Slug



Right In: 28759.090 ± 7.662 $\chi^2/\text{NDF}: 277639.9/15$ + sign 29300.337 ± 4.742 $\chi^2/\text{NDF}: 1140646.8/31$
 Left Out: 29636.413 ± 6.038 $\chi^2/\text{NDF}: 854919.3/15$ All: 29485.625 ± 3.401 $\chi^2/\text{NDF}: 2024569.1/6$
 Right Out: 28937.633 ± 7.521 $\chi^2/\text{NDF}: 106266.0/18$ - sign 29681.830 ± 4.880 $\chi^2/\text{NDF}: 880779.4/32$
 Left In: 30223.044 ± 6.414 $\chi^2/\text{NDF}: 757601.8/13$

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599 ± 8.678 χ^2/NDF : 15.5/15

Left Out: -1.047 ± 6.666 χ^2/NDF : 21.3/15

Right Out: 0.904 ± 8.506 χ^2/NDF : 17.6/18

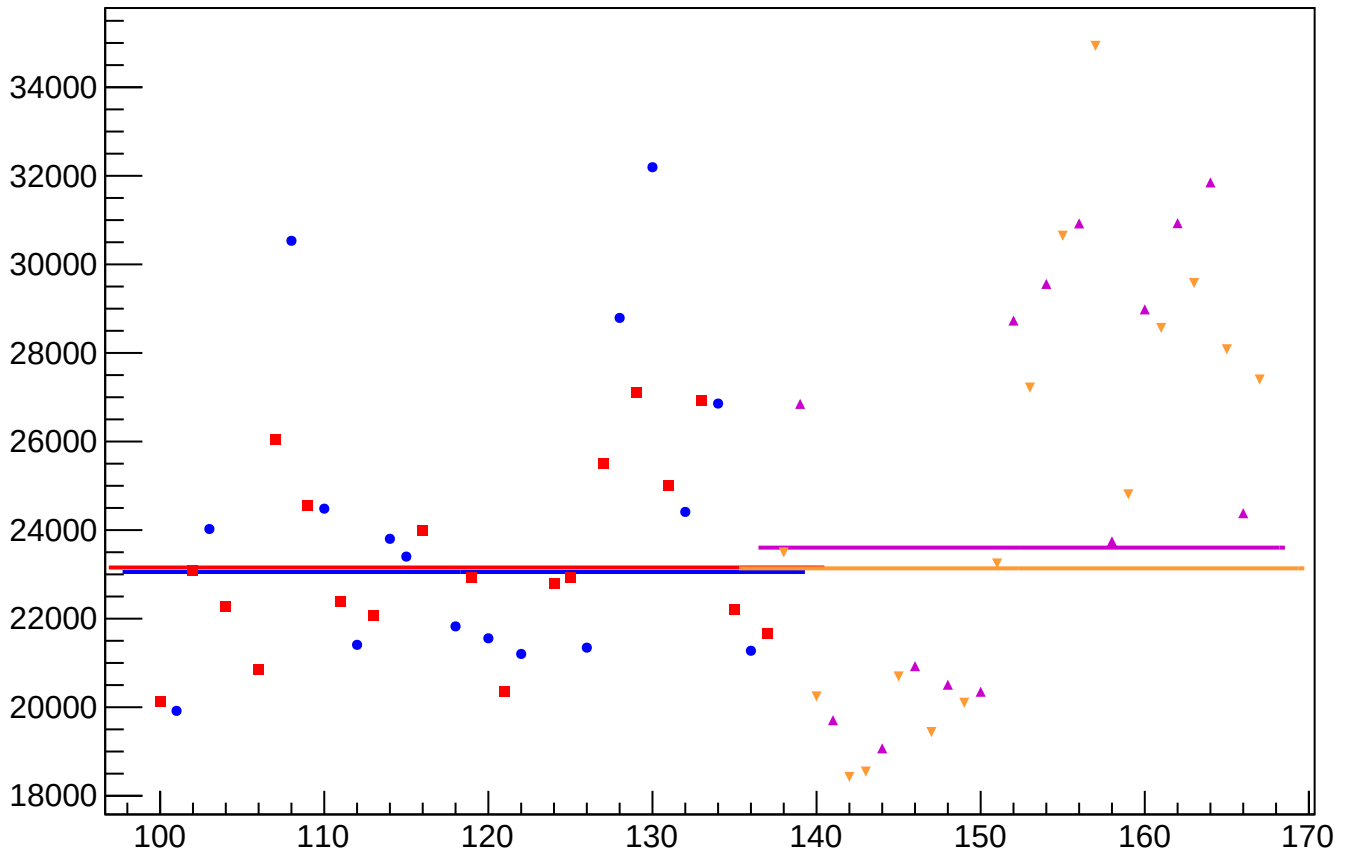
Left In: -6.164 ± 7.083 χ^2/NDF : 7.5/13

+ sign -3.849 ± 5.286 χ^2/NDF : 37.3/31

All: -3.568 ± 3.792 χ^2/NDF : 62.8/64

- sign -3.269 ± 5.443 χ^2/NDF : 25.5/32

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910 $\pm$ 6.137 χ^2 /NDF: 261444.9/15

Left Out: 23136.082 $\pm$ 4.713 χ^2 /NDF: 853418.5/15

Right Out: 23155.251 $\pm$ 6.015 χ^2 /NDF: 93894.1/18

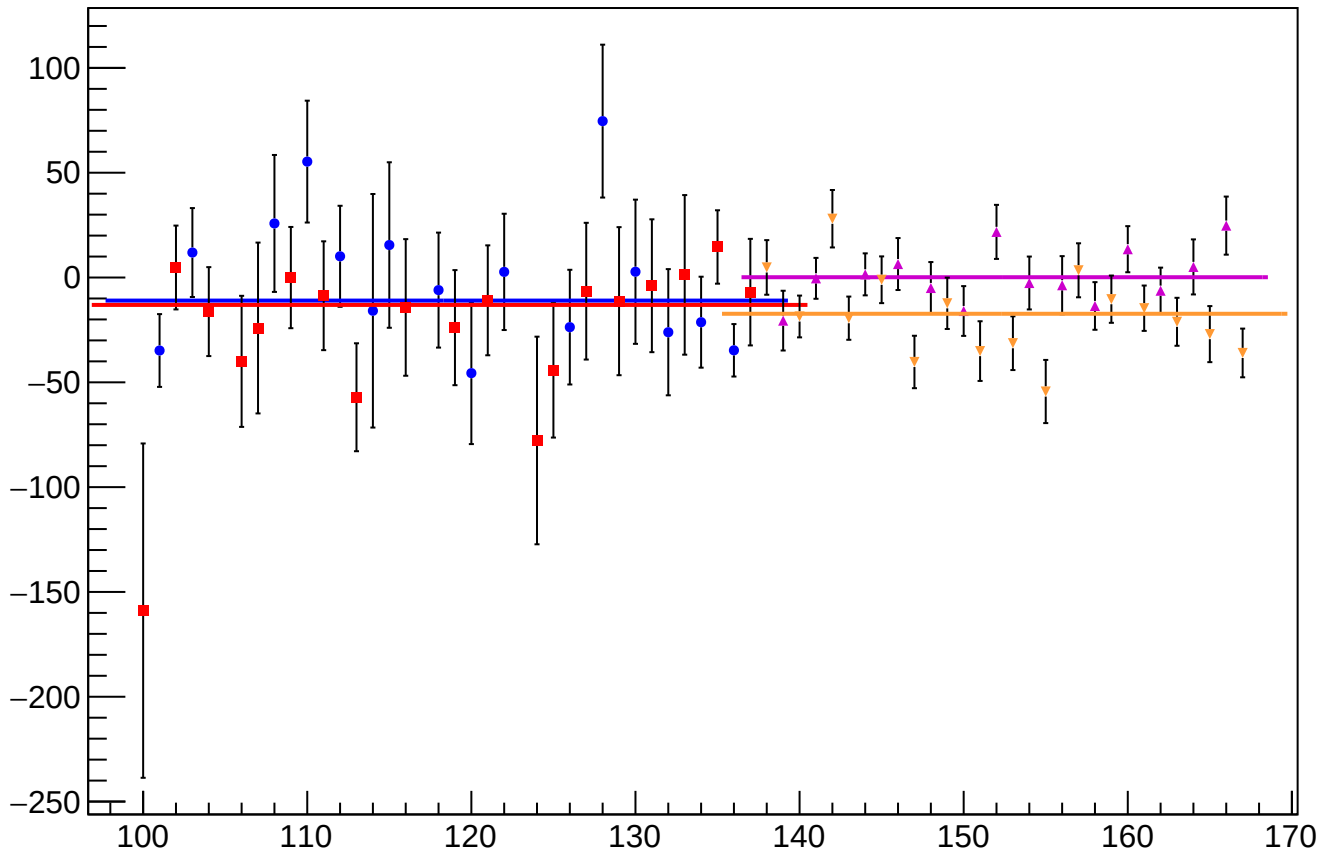
Left In: 23603.777 $\pm$ 5.009 χ^2 /NDF: 753203.7/13

+ sign 23105.593 $\pm$ 3.738 χ^2 /NDF: 1114976.1/31

All: 23258.252 $\pm$ 2.681 χ^2 /NDF: 1968794.1/6

- sign 23420.104 $\pm$ 3.849 χ^2 /NDF: 850381.7/32

diff_bpm4aesumX_mean vs Slug



Right In: -11.002 ± 6.155 χ^2/NDF : 22.0/15

Left Out: -17.298 ± 3.011 χ^2/NDF : 34.6/15

Right Out: -13.071 ± 6.382 χ^2/NDF : 13.9/18

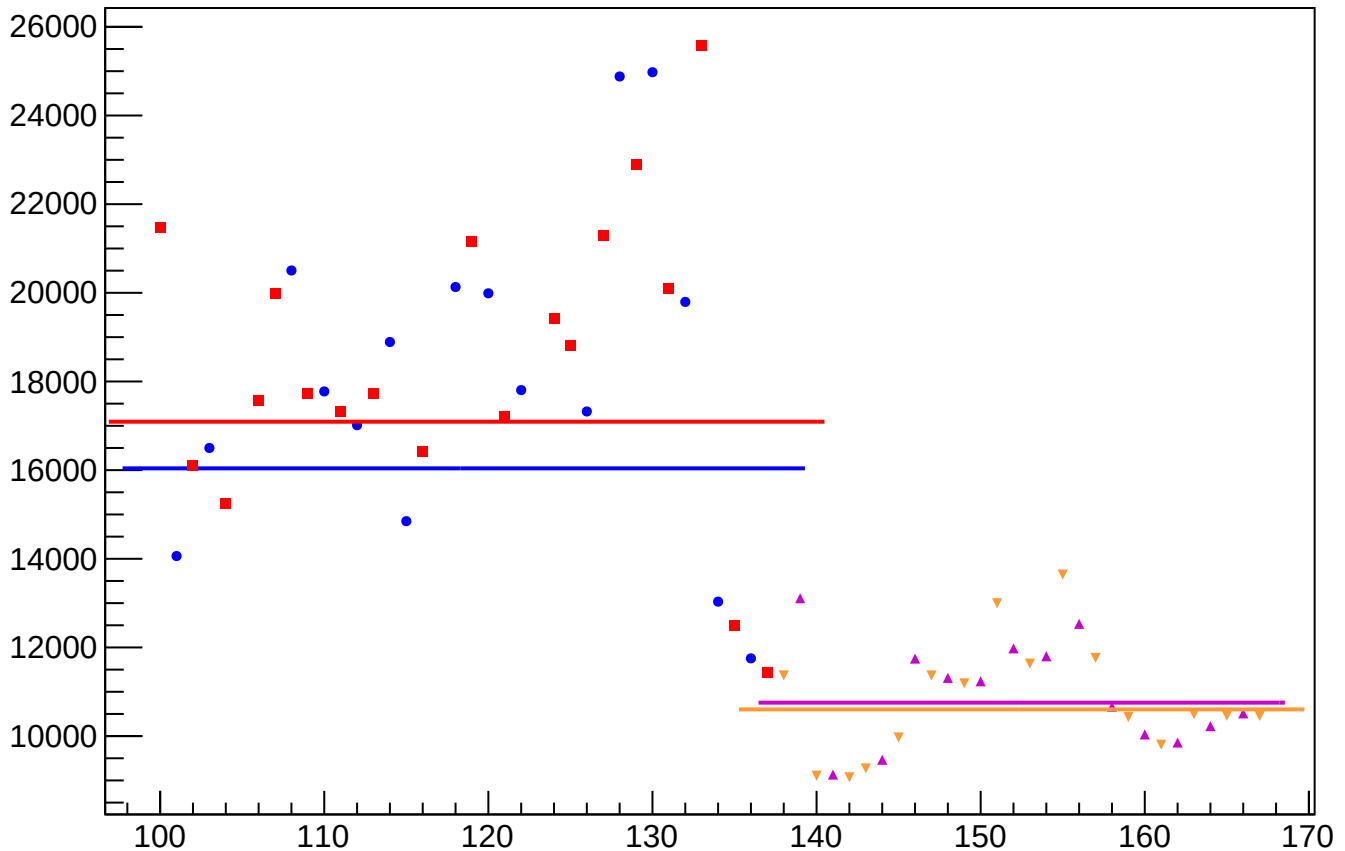
Left In: 0.144 ± 3.189 χ^2/NDF : 13.9/13

+ sign -16.082 ± 2.705 χ^2/NDF : 57.5/31

All: -9.651 ± 1.963 χ^2/NDF : 100.7/64

- sign -2.497 ± 2.853 χ^2/NDF : 31.2/32

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060 $\pm$ 4.352 χ^2 /NDF: 722678.9/15

Left Out: 10602.685 $\pm$ 2.129 χ^2 /NDF:308265.4/15

Right Out: 17092.658 $\pm$ 4.513 χ^2 /NDF: 535464.0/18

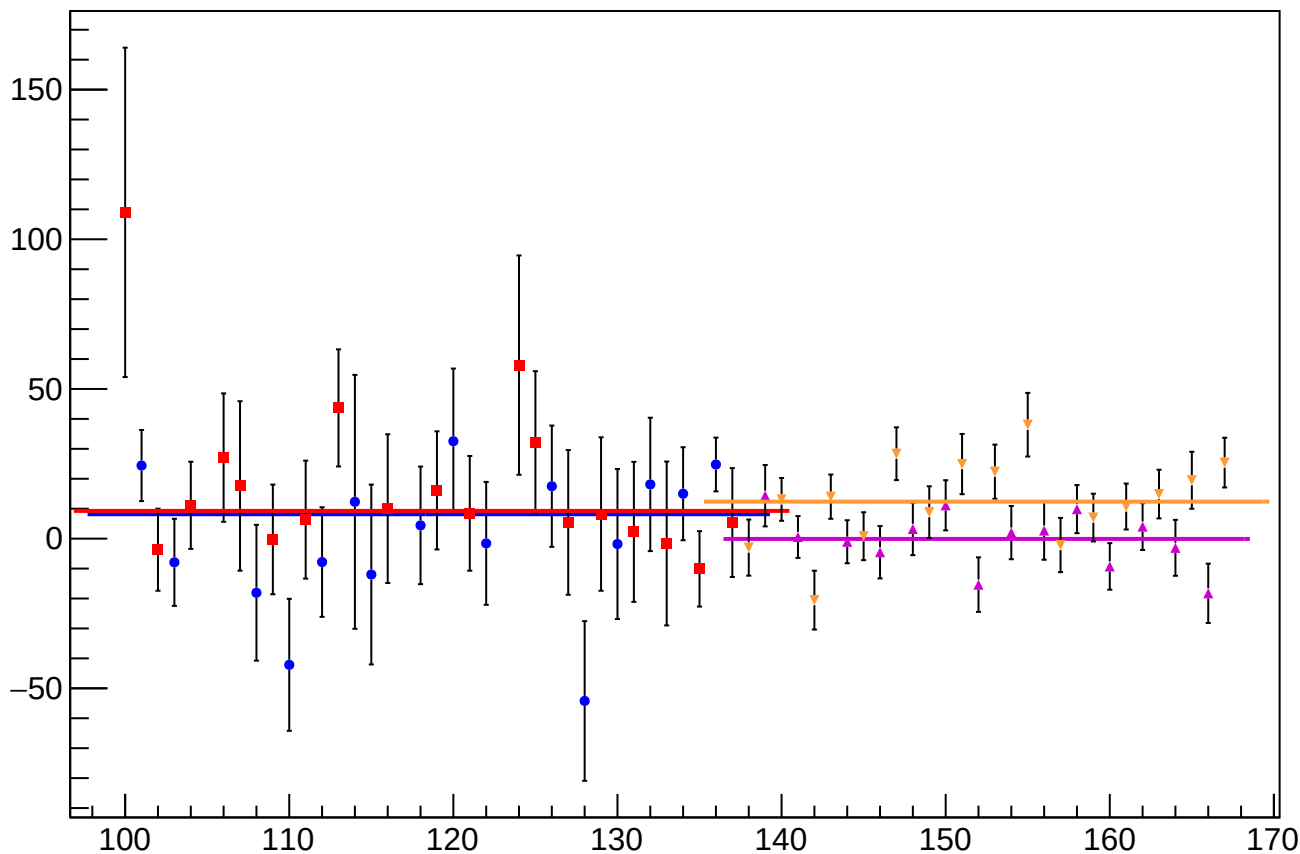
Left In: 10755.127 $\pm$ 2.255 χ^2 /NDF:253743.7/13

+ sign 11652.753 $\pm$ 1.913 χ^2 /NDF: 2290374.7/31

All: 11827.358 $\pm$ 1.388 χ^2 /NDF: 4675336.3/6

- sign 12021.610 $\pm$ 2.017 χ^2 /NDF: 2367355.0/32

diff_bpm4aediffX_mean vs Slug



Right In: 8.150 ± 4.423 χ^2/NDF : 21.8/15

Left Out: 12.360 ± 2.142 χ^2/NDF : 34.3/15

Right Out: 9.270 ± 4.607 χ^2/NDF : 13.9/18

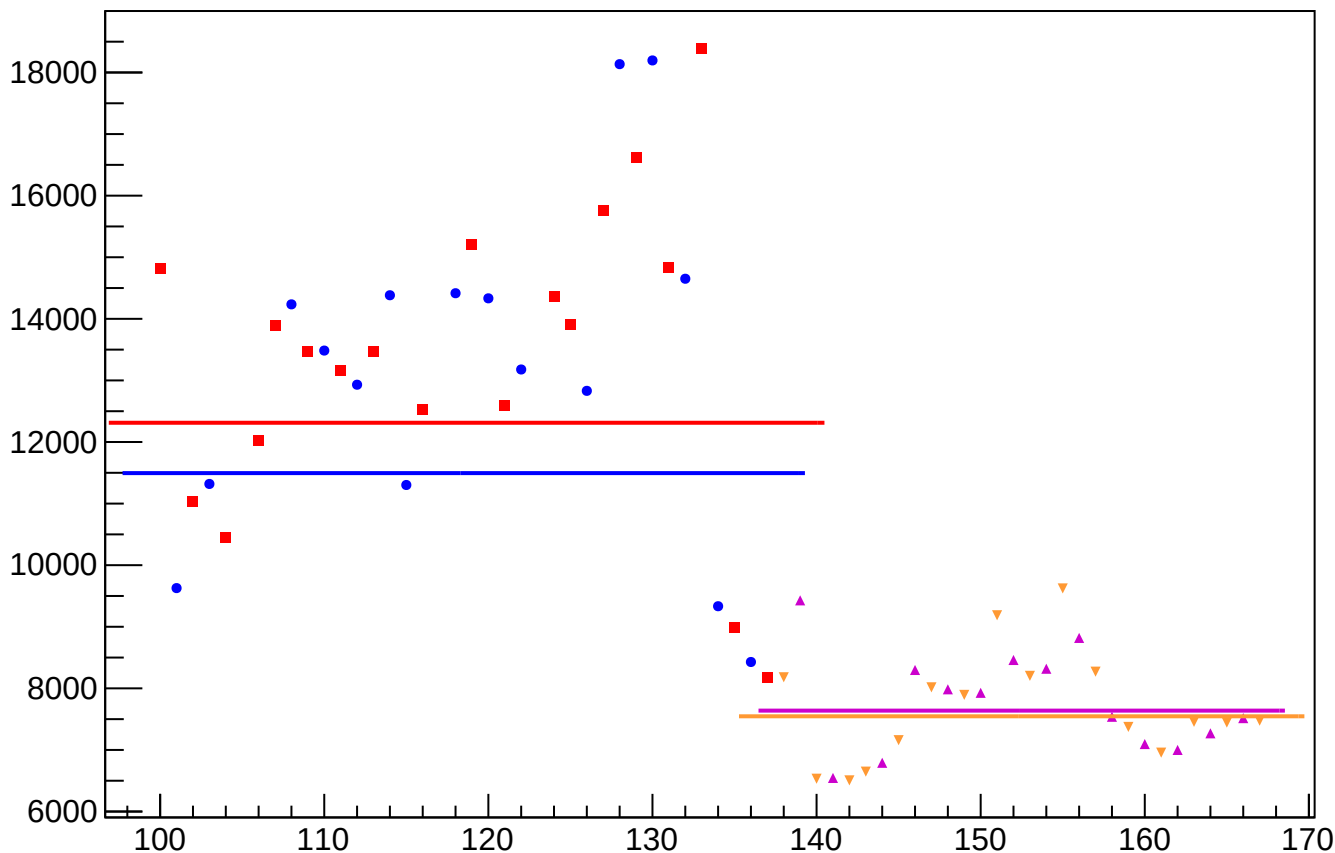
Left In: -0.092 ± 2.264 χ^2/NDF : 13.8/13

+ sign 11.560 ± 1.928 χ^2/NDF : 56.8/31

All: 6.904 ± 1.399 χ^2/NDF : 100.2/64

- sign 1.730 ± 2.032 χ^2/NDF : 31.0/32

diff_bpm4aediiffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF : 789990.1/15

Left Out: 7546.272+/-1.515 χ^2/NDF : 281125.7/15

Right Out: 12312.550+/-3.258 χ^2/NDF : 598755.3/18

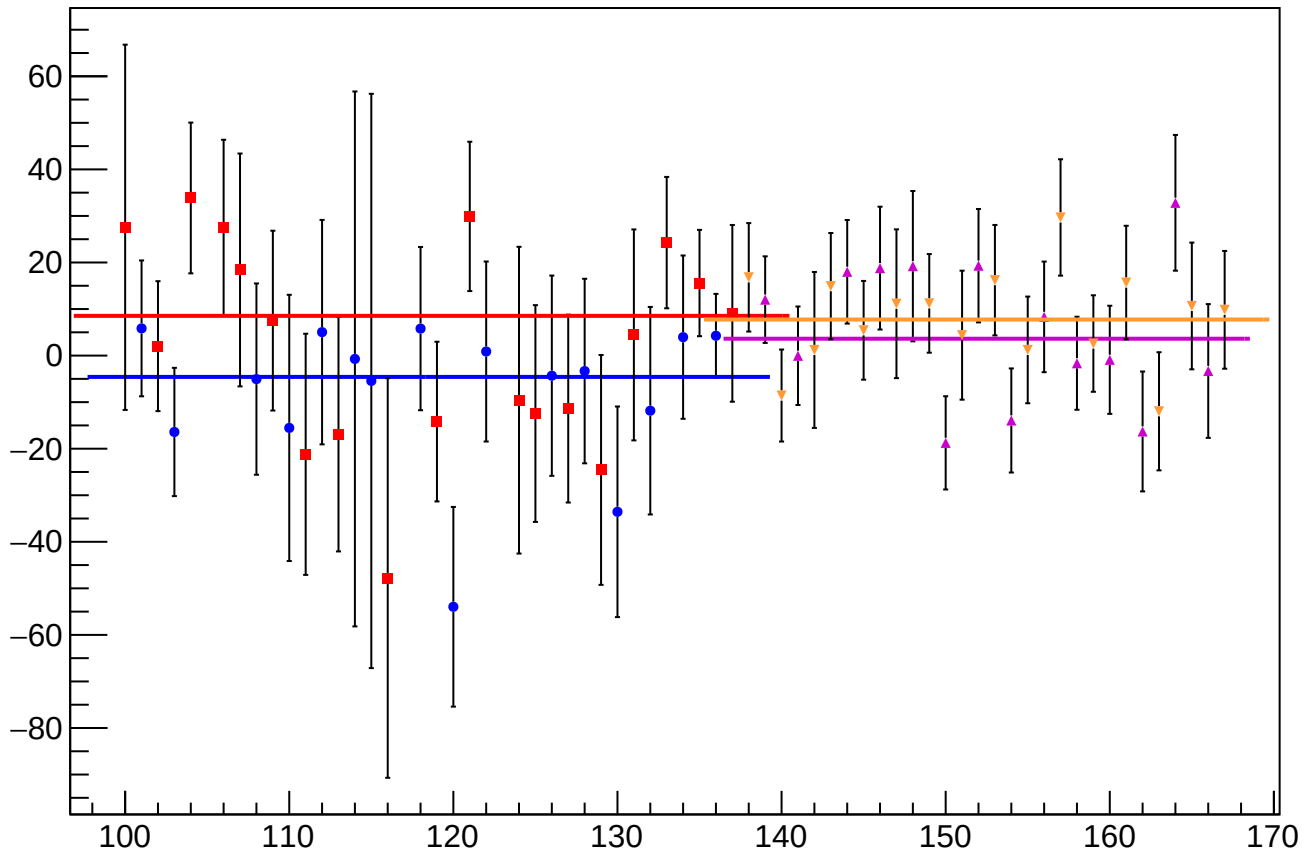
Left In: 7638.528+/-1.601 χ^2/NDF : 238597.9/13

+ sign 8296.397+/-1.363 χ^2/NDF : 2362452.8/31

All: 8415.537+/-0.989 χ^2/NDF : 4873876.2/64

- sign 8547.948+/-1.437 χ^2/NDF : 2495293.4/32

diff_bpm4aesumY_mean vs Slug



Right In: -4.578 ± 4.554 χ^2/NDF : 10.2/15

Left Out: 7.745 ± 3.005 χ^2/NDF : 11.2/15

Right Out: 8.537 ± 4.392 χ^2/NDF : 17.2/18

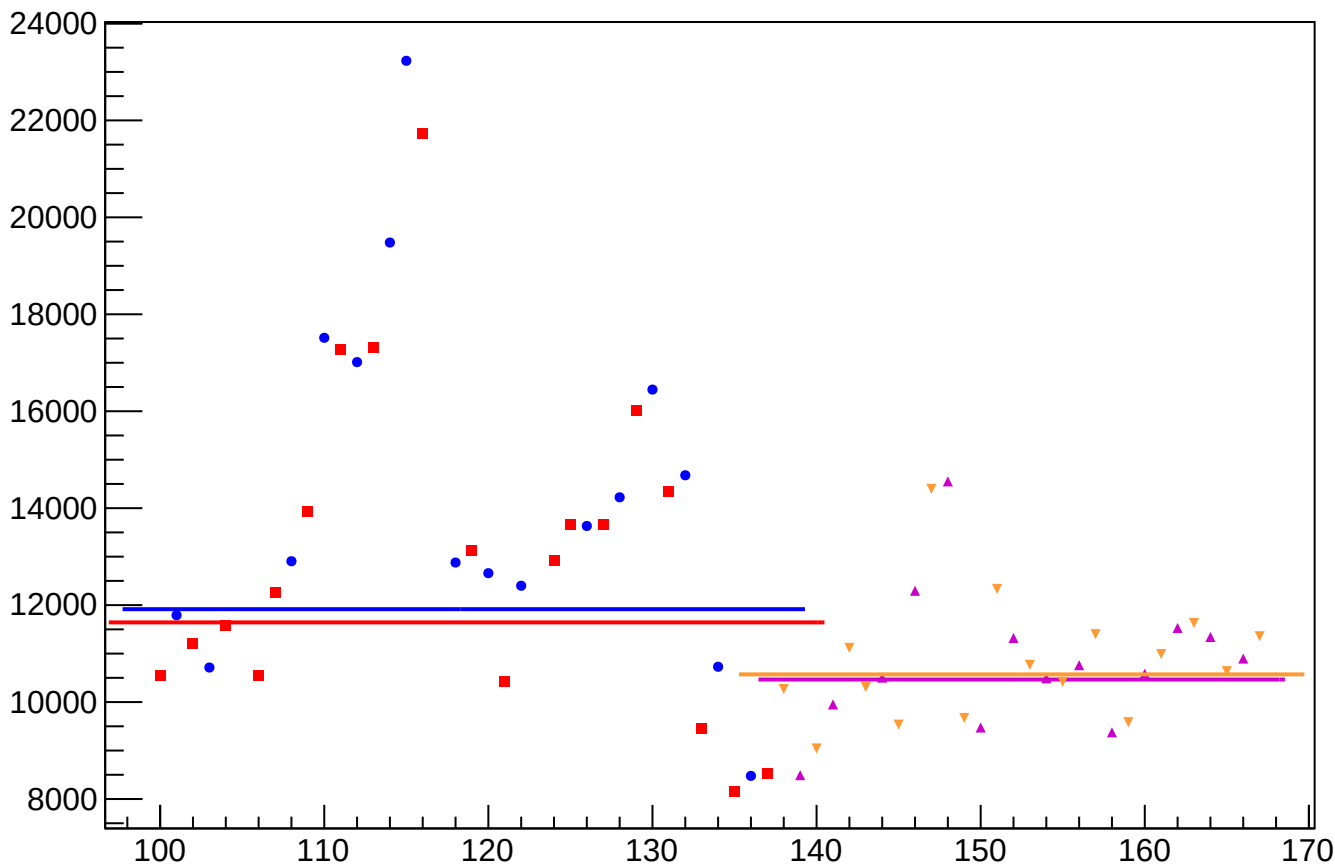
Left In: 3.624 ± 3.117 χ^2/NDF : 21.2/13

+ sign 4.008 ± 2.508 χ^2/NDF : 26.6/31

All: 4.630 ± 1.785 χ^2/NDF : 65.9/64

- sign 5.270 ± 2.542 χ^2/NDF : 39.2/32

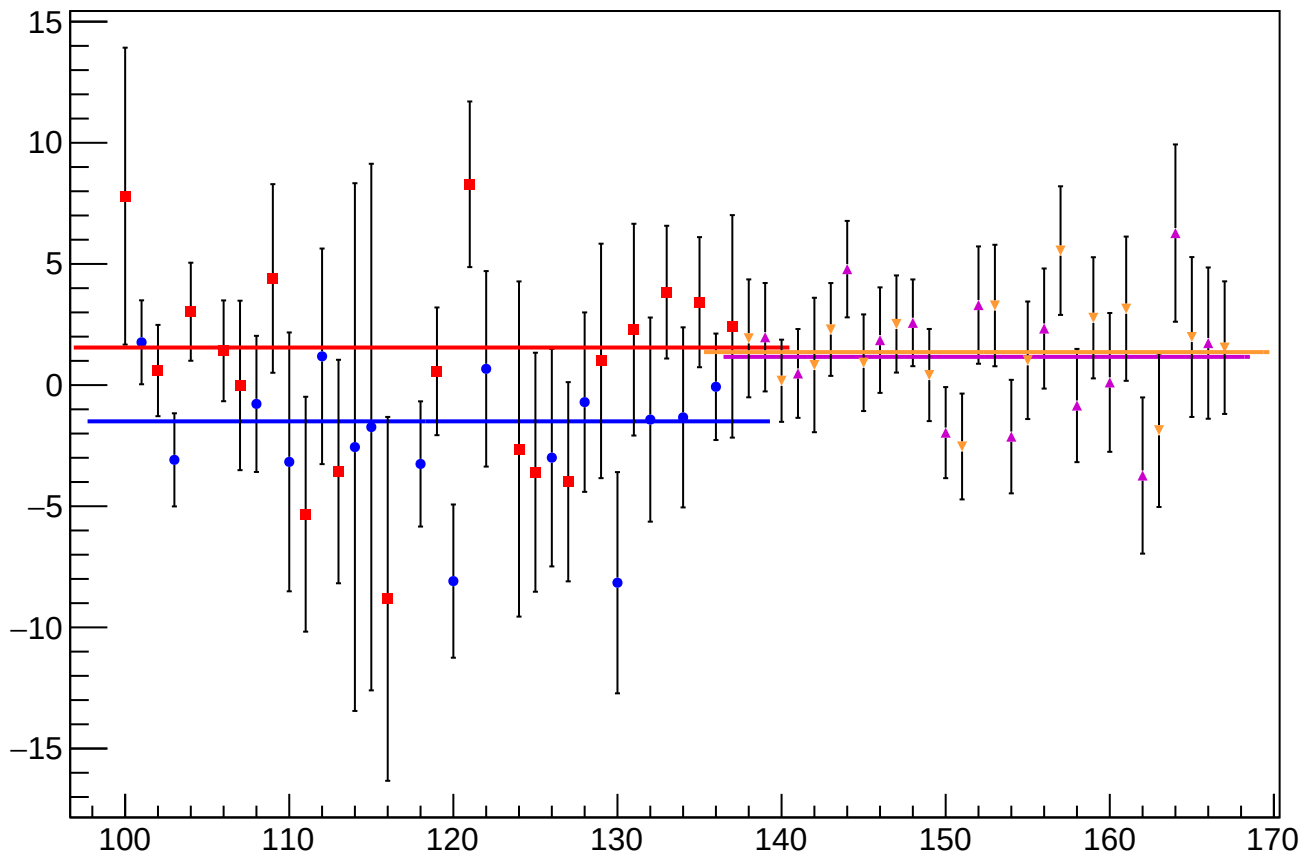
diff_bpm4aesumY_rms vs Slug



Right In: 11916.355 $\pm$ 3.220 χ^2 /NDF: 749775.2/15
 Left Out: 10571.332 $\pm$ 2.125 χ^2 /NDF: 284829.2/15
 Right Out: 11643.622 $\pm$ 3.106 χ^2 /NDF: 790359.6/18
 Left In: 10464.960 $\pm$ 2.204 χ^2 /NDF: 338748.1/13

+ sign 10979.229 $\pm$ 1.773 χ^2 /NDF: 1156156.2/31
 All: 10920.253 $\pm$ 1.262 χ^2 /NDF: 2383297.2/6
 - sign 10859.672 $\pm$ 1.797 χ^2 /NDF: 1224898.9/32

diff_bpm4aediffY_mean vs Slug



Right In: -1.496 ± 0.778 χ^2/NDF : 12.6/15

Left Out: 1.362 ± 0.580 χ^2/NDF : 9.5/15

Right Out: 1.551 ± 0.745 χ^2/NDF : 16.3/18

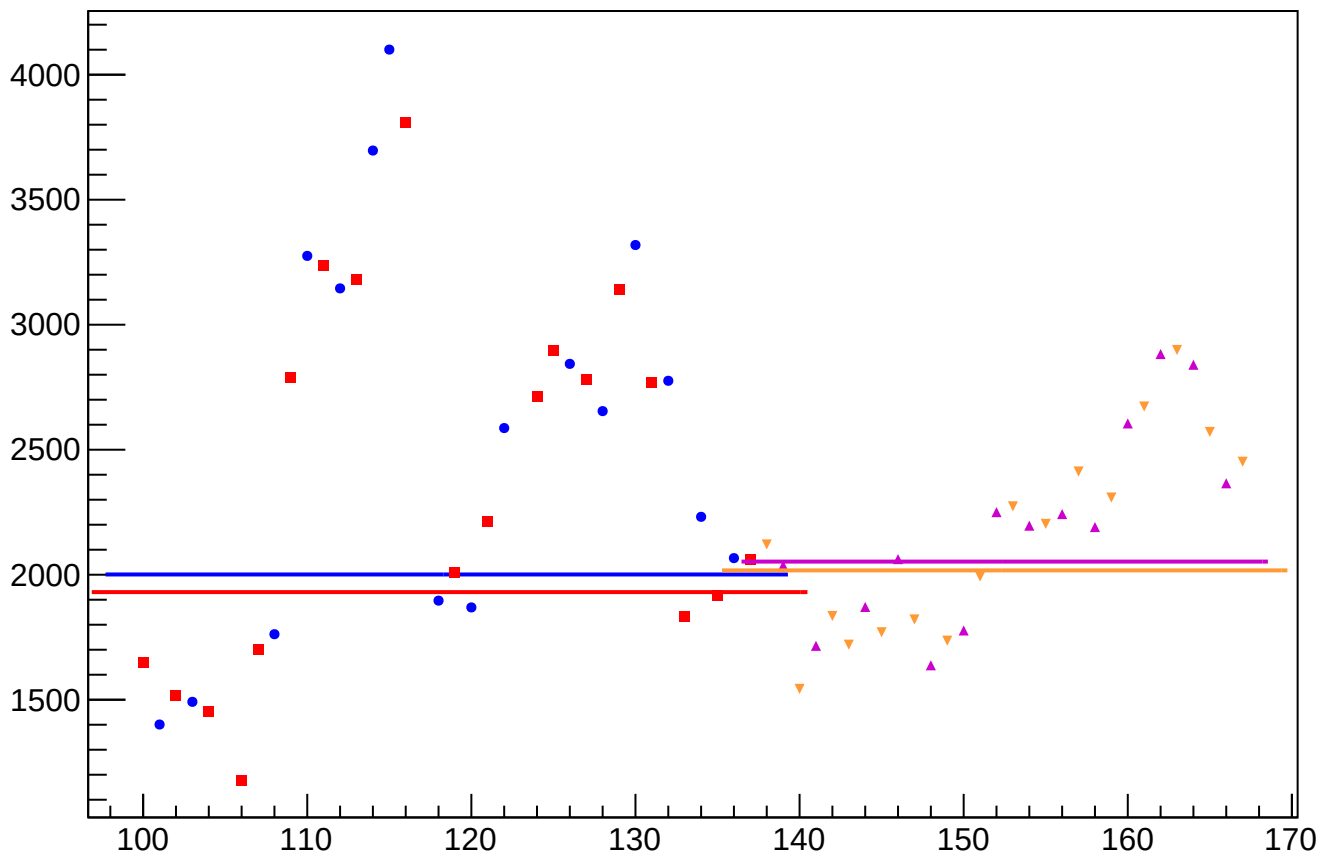
Left In: 1.165 ± 0.614 χ^2/NDF : 15.2/13

+ sign 0.342 ± 0.465 χ^2/NDF : 30.7/31

All: 0.822 ± 0.332 χ^2/NDF : 64.6/64

- sign 1.321 ± 0.474 χ^2/NDF : 31.6/32

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000 $\pm$ 0.550 χ^2 /NDF: 1189784.2/15

Left Out: 2017.294 $\pm$ 0.410 χ^2 /NDF: 773654.0/15

Right Out: 1930.434 $\pm$ 0.526 χ^2 /NDF: 1403552.6/18

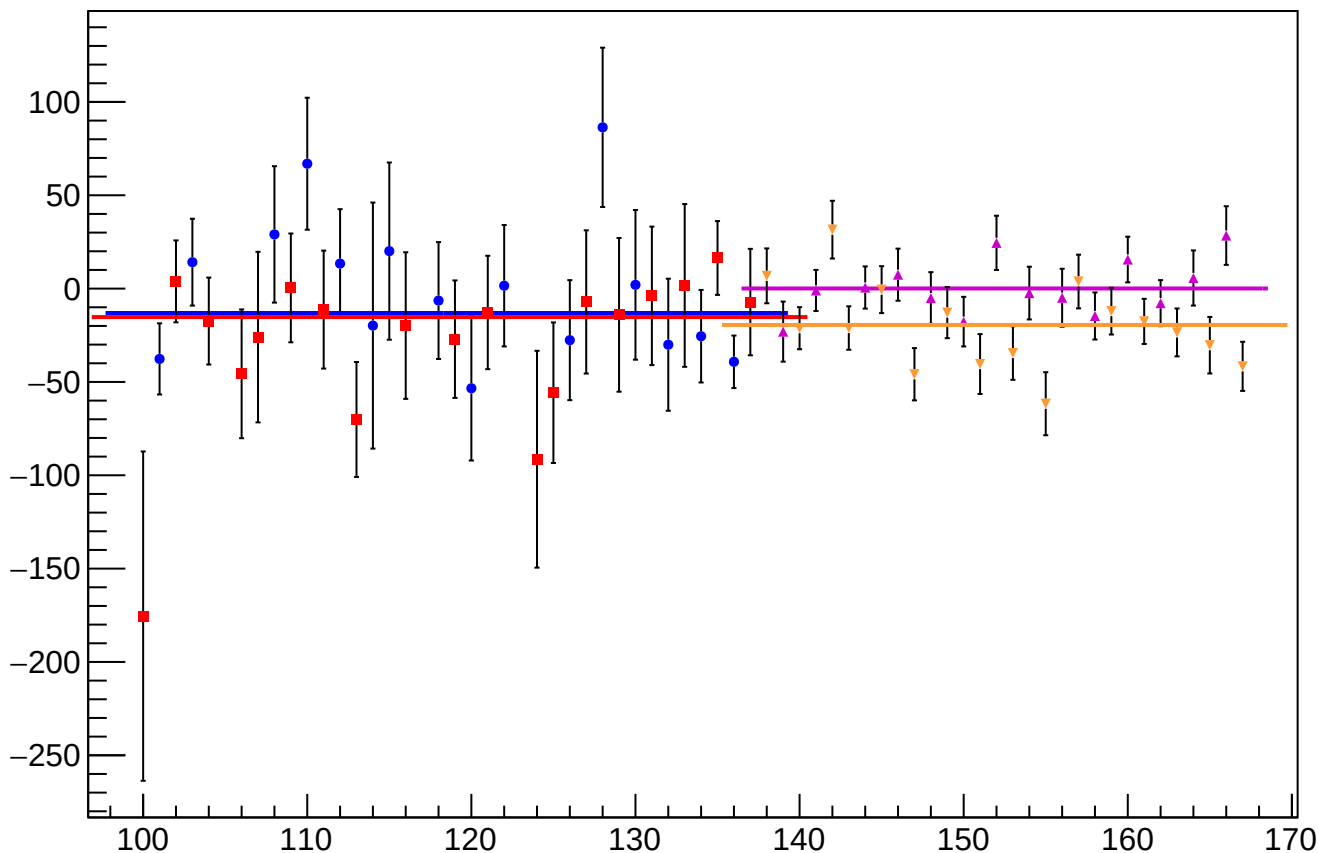
Left In: 2052.502 $\pm$ 0.434 χ^2 /NDF: 594159.9/13

+ sign 2011.478 $\pm$ 0.329 χ^2 /NDF: 1964001.9/31

All: 2007.349 $\pm$ 0.235 χ^2 /NDF: 3994022.9/64

- sign 2003.061 $\pm$ 0.335 χ^2 /NDF: 2029699.5/32

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066 ± 7.026 χ^2/NDF : 21.9/15

Left Out: -19.469 ± 3.384 χ^2/NDF : 35.7/15

Right Out: -15.253 ± 7.321 χ^2/NDF : 14.3/18

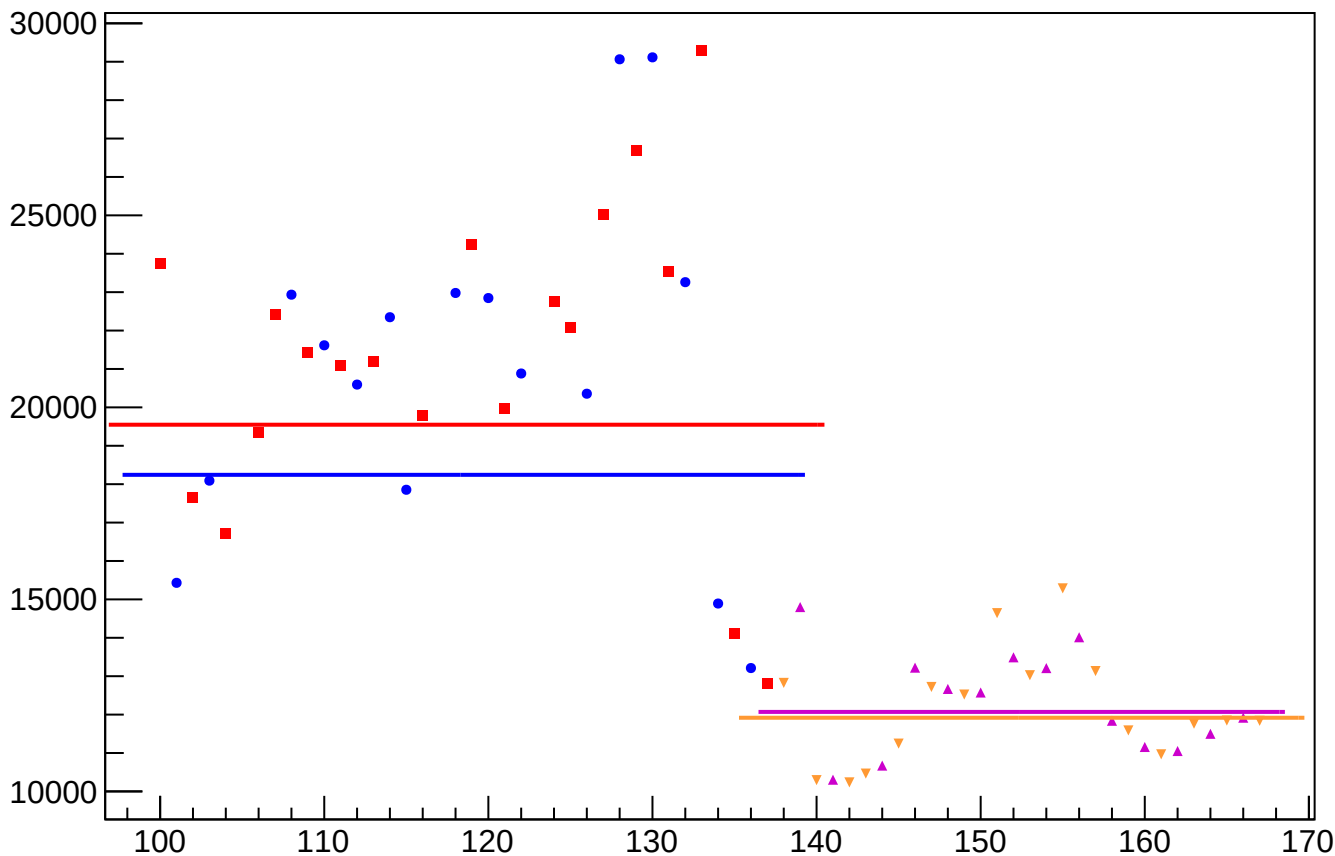
Left In: 0.066 ± 3.579 χ^2/NDF : 14.0/13

+ sign -18.264 ± 3.049 χ^2/NDF : 58.2/31

All: -10.986 ± 2.212 χ^2/NDF : 102.2/64

- sign -2.890 ± 3.216 χ^2/NDF : 31.9/32

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF : 819828.6/15

Left Out: 11918.040+/-2.393 χ^2/NDF : 298003.5/15

Right Out: 19548.426+/-5.176 χ^2/NDF : 621716.4/18

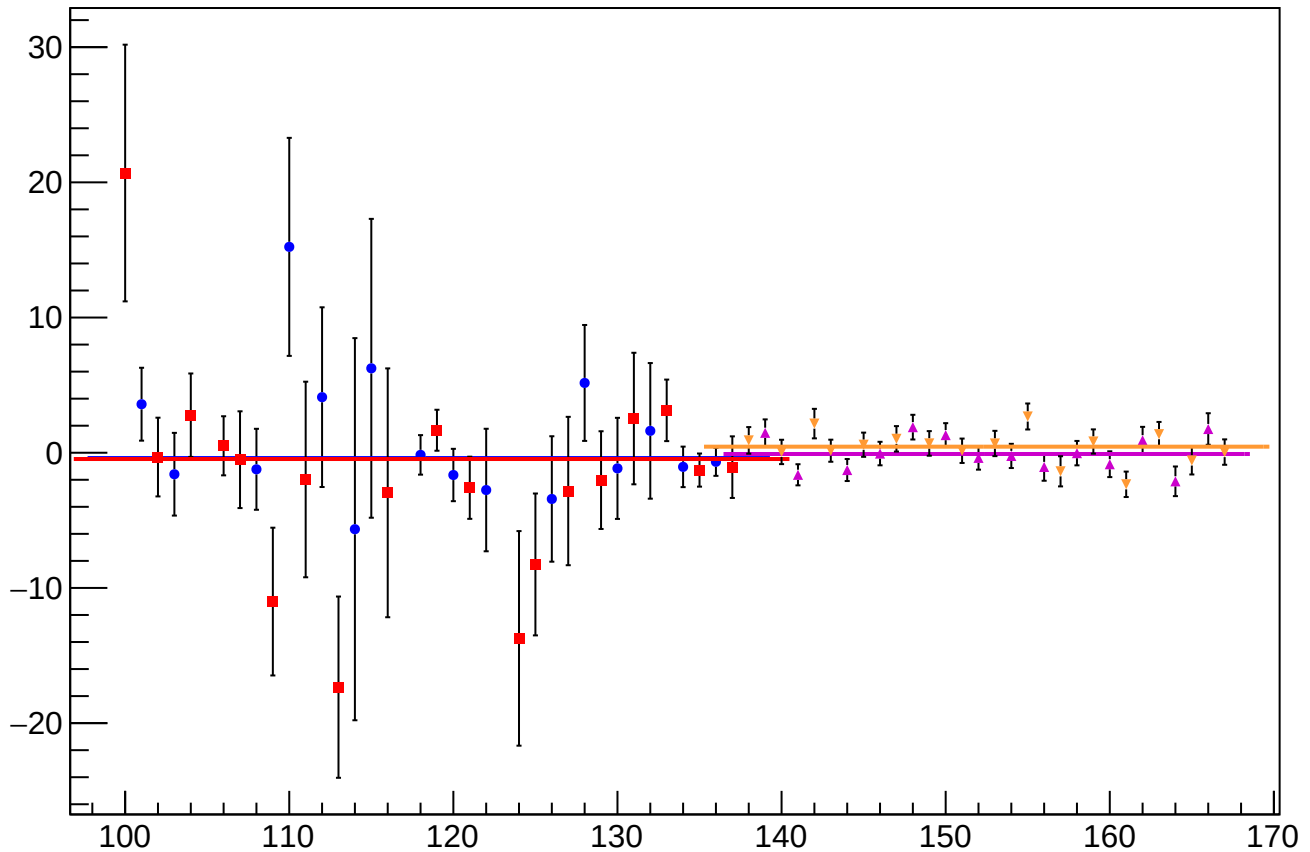
Left In: 12070.056+/-2.531 χ^2/NDF : 252107.1/13

+ sign 13108.924+/-2.156 χ^2/NDF : 2433477.4/31

All: 13300.143+/-1.564 χ^2/NDF : 5008351.2/6

- sign 13512.849+/-2.274 χ^2/NDF : 2558254.6/32

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394 ± 0.600 χ^2/NDF : 10.4/15

Left Out: 0.449 ± 0.235 χ^2/NDF : 22.8/15

Right Out: -0.464 ± 0.634 χ^2/NDF : 28.0/18

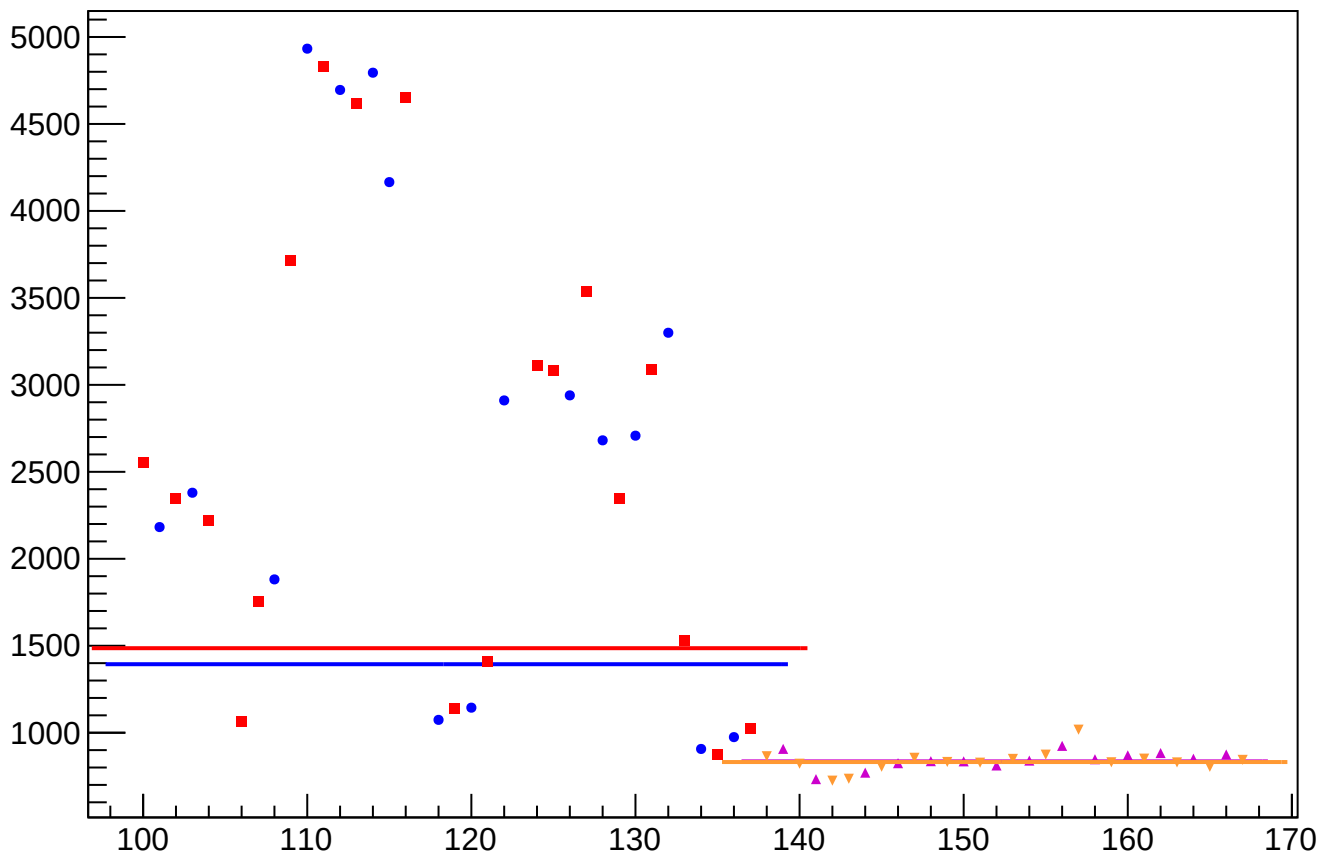
Left In: -0.093 ± 0.247 χ^2/NDF : 24.4/13

+ sign 0.337 ± 0.219 χ^2/NDF : 35.0/31

All: 0.109 ± 0.159 χ^2/NDF : 89.9/64

- sign -0.142 ± 0.230 χ^2/NDF : 52.7/32

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912 $\pm$ 0.424 χ^2 /NDF: 3381007.0/15

Left Out: 831.485 $\pm$ 0.166 χ^2 /NDF:115635.0/15

Right Out: 1486.000 $\pm$ 0.448 χ^2 /NDF: 3398817.4/18

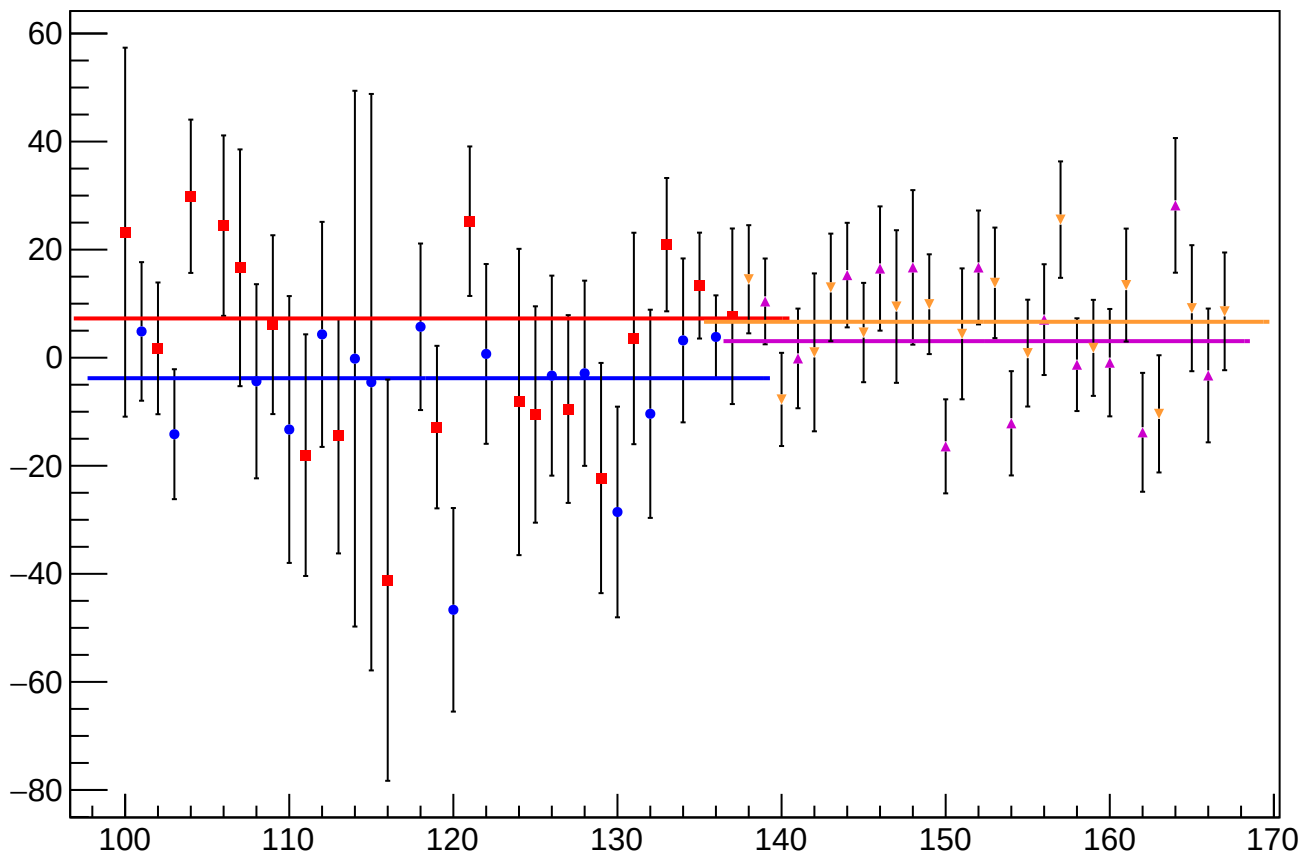
Left In: 835.355 $\pm$ 0.175 χ^2 /NDF:84736.6/13

+ sign 906.292 $\pm$ 0.155 χ^2 /NDF: 5019581.2/31

All: 913.302 $\pm$ 0.112 χ^2 /NDF: 10336976.7/64

- sign 921.047 $\pm$ 0.163 χ^2 /NDF: 5313077.0/32

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795 ± 3.943 χ^2/NDF : 10.1/15

Left Out: 6.647 ± 2.599 χ^2/NDF : 11.4/15

Right Out: 7.264 ± 3.807 χ^2/NDF : 17.3/18

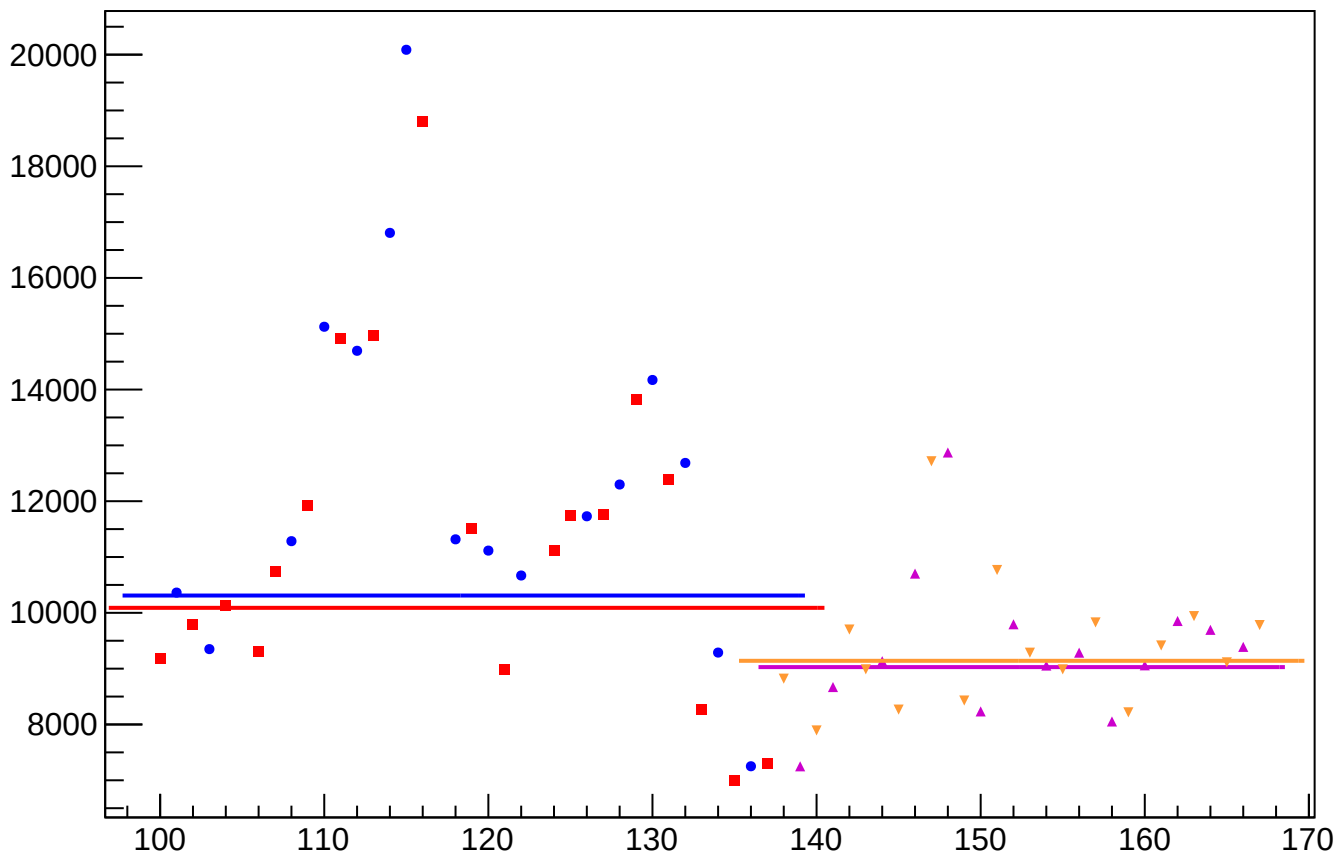
Left In: 3.064 ± 2.690 χ^2/NDF : 21.3/13

+ sign 3.485 ± 2.170 χ^2/NDF : 26.3/31

All: 3.968 ± 1.544 χ^2/NDF : 65.8/64

- sign 4.463 ± 2.197 χ^2/NDF : 39.3/32

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969 $\pm$ 2.788 χ^2 /NDF: 770518.2/15

Left Out: 9140.607 $\pm$ 1.837 χ^2 /NDF: 291301.2/15

Right Out: 10089.584 $\pm$ 2.692 χ^2 /NDF: 792788.1/18

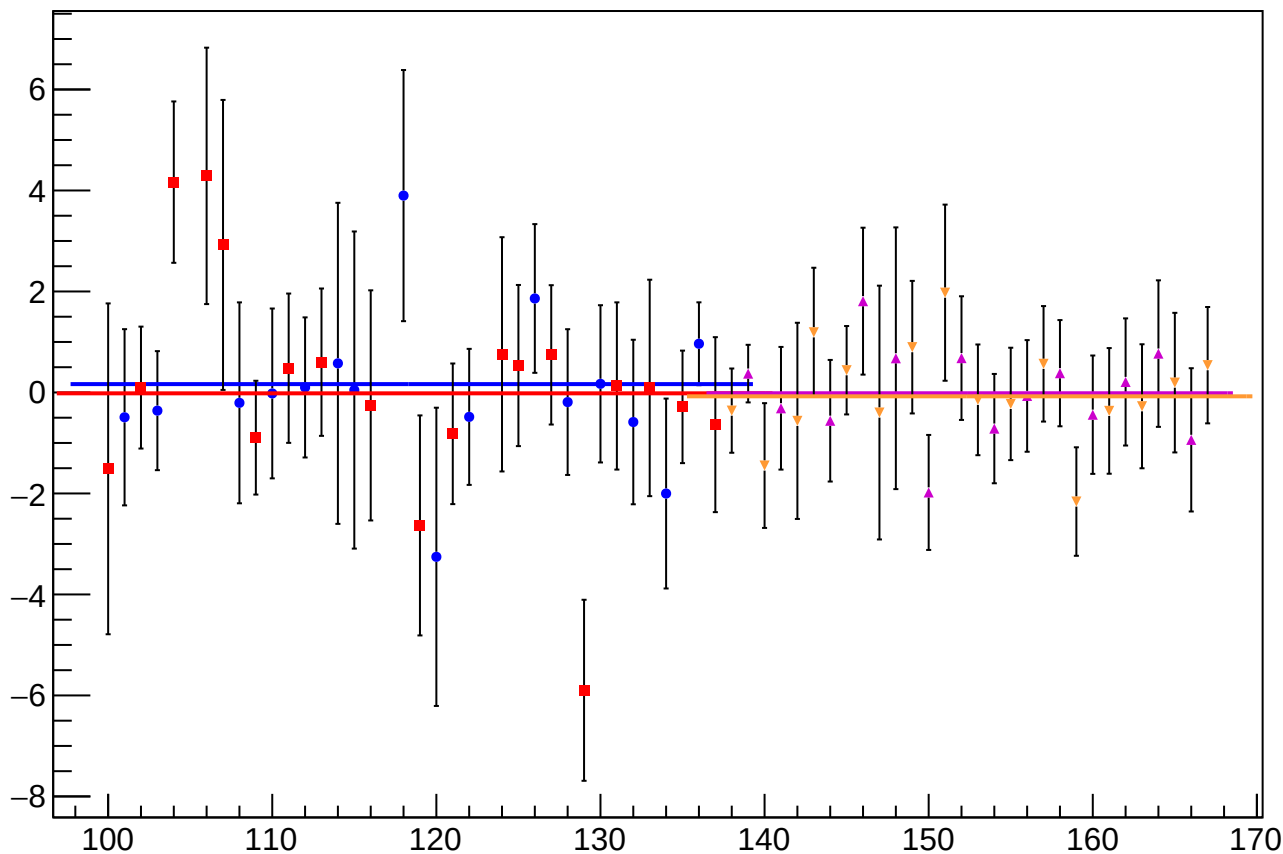
Left In: 9027.770 $\pm$ 1.902 χ^2 /NDF: 363542.0/13

+ sign 9494.678 $\pm$ 1.534 χ^2 /NDF: 1184455.2/31

All: 9438.780 $\pm$ 1.092 χ^2 /NDF: 2447235.0/64

- sign 9381.459 $\pm$ 1.554 χ^2 /NDF: 1260091.1/32

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165 ± 0.386 χ^2/NDF : 8.1/15

Left Out: -0.076 ± 0.299 χ^2/NDF : 9.2/15

Right Out: -0.017 ± 0.372 χ^2/NDF : 25.2/18

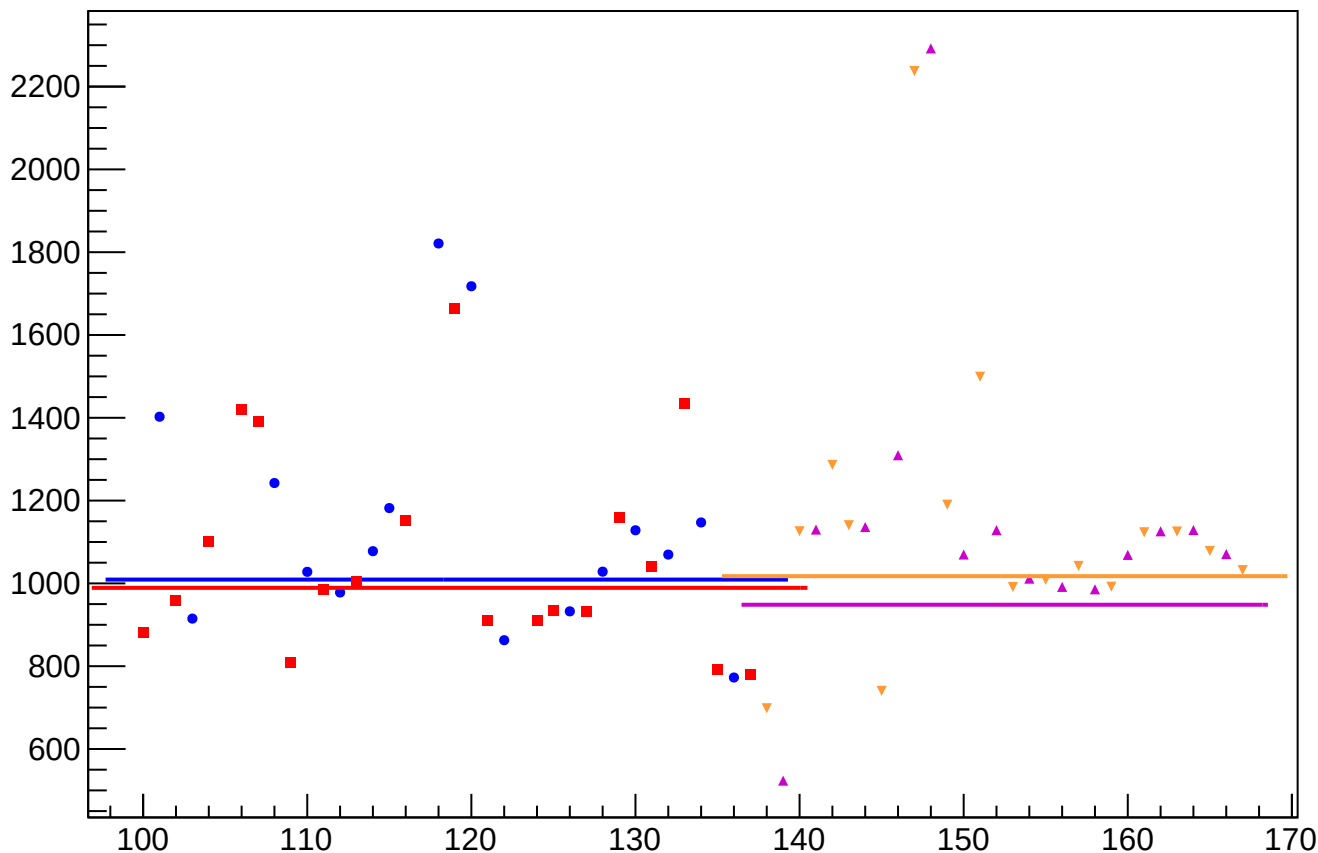
Left In: -0.016 ± 0.296 χ^2/NDF : 7.1/13

+ sign 0.014 ± 0.236 χ^2/NDF : 17.6/31

All: -0.001 ± 0.165 χ^2/NDF : 49.8/64

- sign -0.016 ± 0.232 χ^2/NDF : 32.3/32

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222 $\pm$ 0.273 χ^2 /NDF: 699303.9/15

Left Out: 1017.457 $\pm$ 0.211 χ^2 /NDF:1261023.5/15

Right Out: 989.246 $\pm$ 0.263 χ^2 /NDF: 575759.9/18

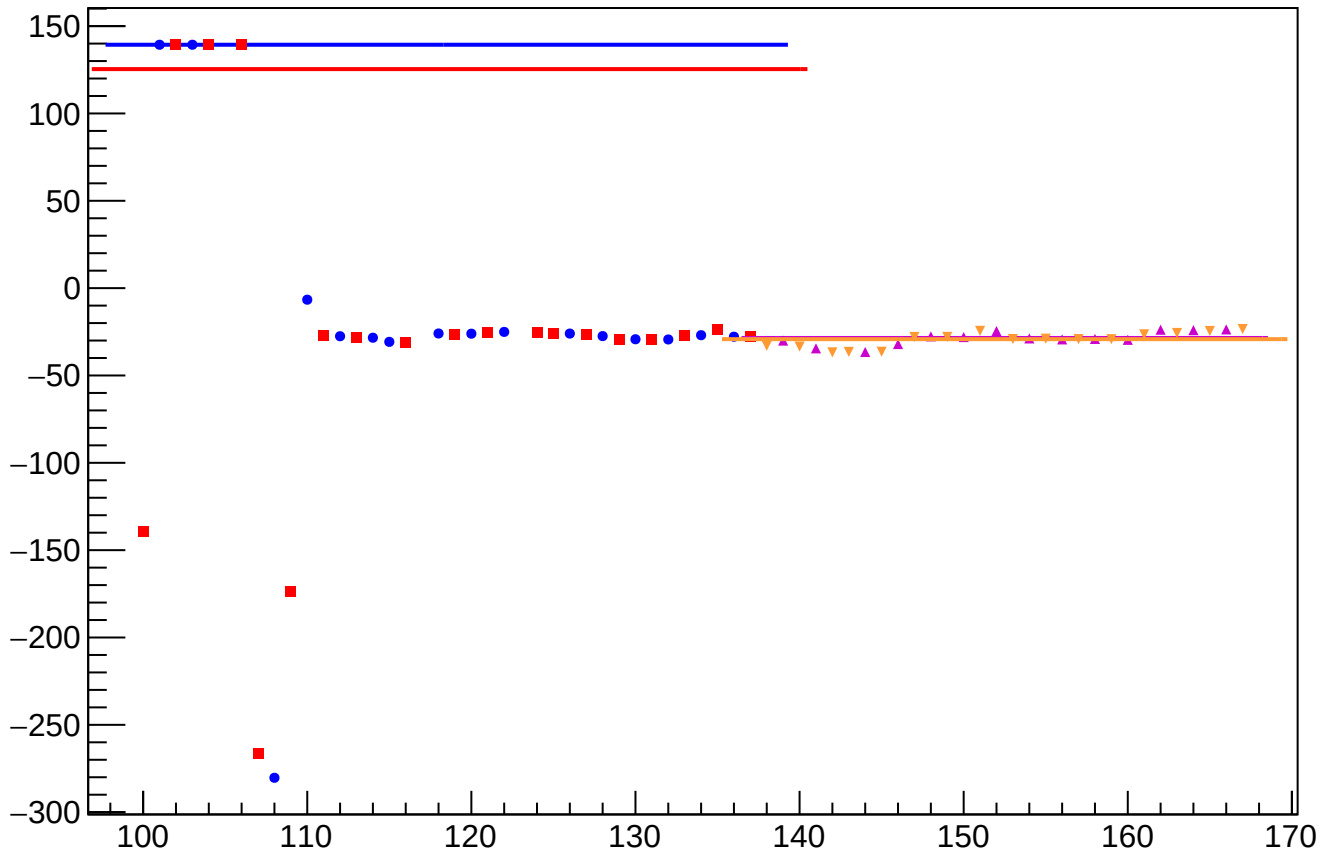
Left In: 948.417 $\pm$ 0.209 χ^2 /NDF:2049299.2/13

+ sign 1014.374 $\pm$ 0.167 χ^2 /NDF: 1960896.1/31

All: 988.808 $\pm$ 0.117 χ^2 /NDF: 4646577.8/64

- sign 964.238 $\pm$ 0.164 χ^2 /NDF: 2639797.7/32

yield_cav4bX_mean vs Slug



Right In: 139.337 $\pm$ 0.000 χ^2 /NDF: 47088045550.1/15

Left Out: -29.203 $\pm$ 0.000 χ^2 /NDF:132005012.4/15

Right Out: 125.392 $\pm$ 0.000 χ^2 /NDF: 774173119844052.5/18

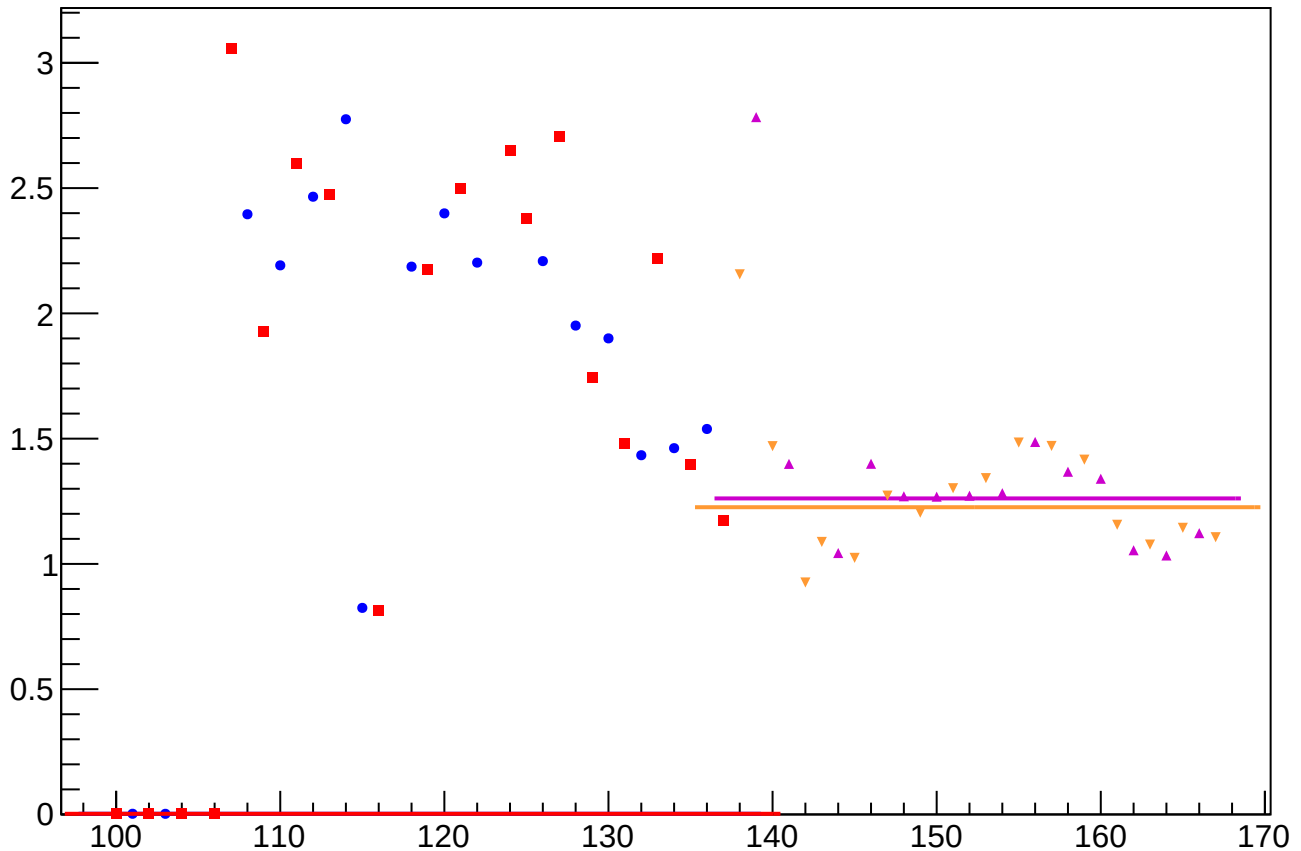
Left In: -28.529 $\pm$ 0.000 χ^2 /NDF:95526221.2/13

+ sign 139.331 $\pm$ 0.000 χ^2 /NDF: 235330851009.2/3

All: 131.813 $\pm$ 0.000 χ^2 /NDF: 79332494183

- sign 125.388 $\pm$ 0.000 χ^2 /NDF: 774309601618476

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 9565657.6/15

Left Out: 1.226+/-0.000 χ^2/NDF :580704.3/15

Right Out: 0.003+/-0.000 χ^2/NDF : 9733783.1/18

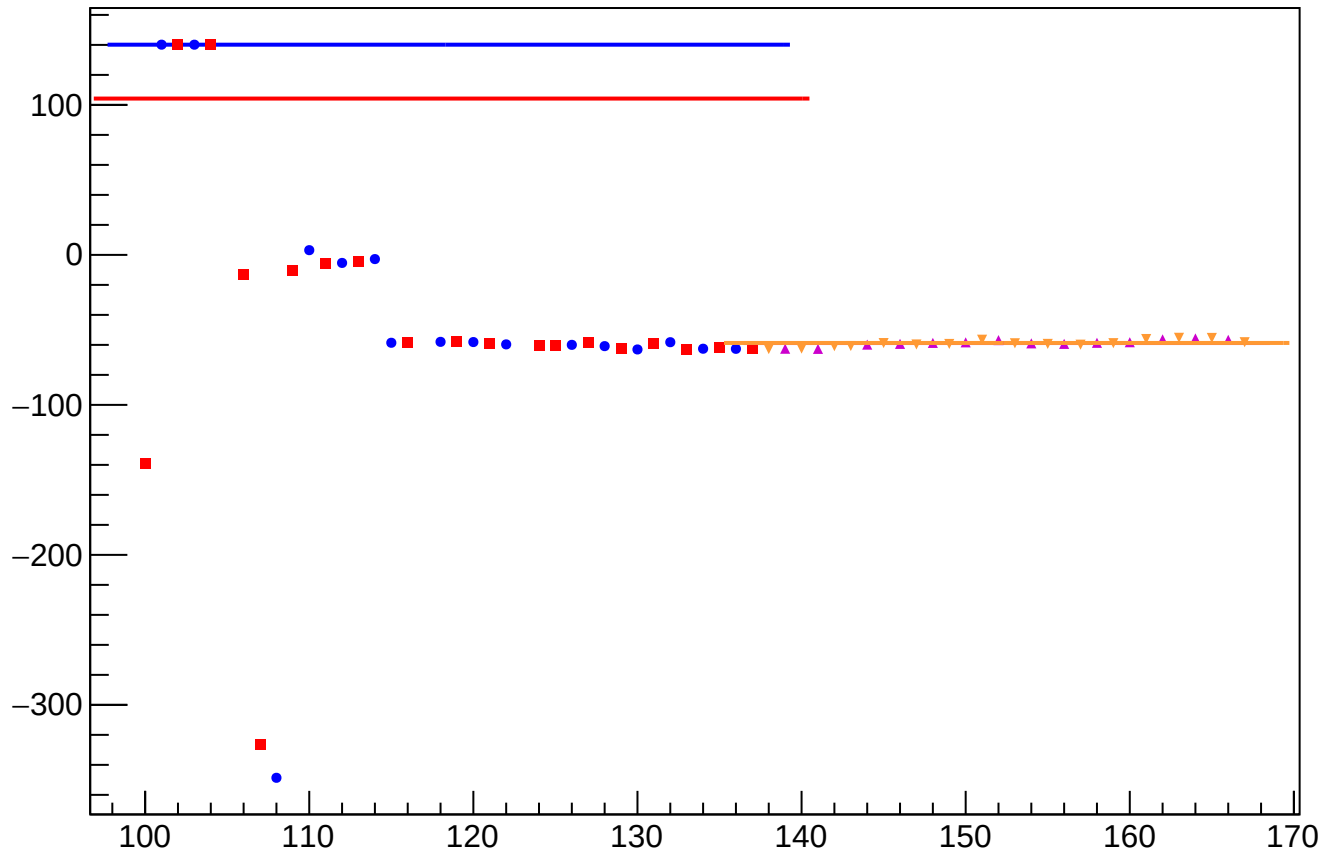
Left In: 1.261+/-0.000 χ^2/NDF :737579.9/13

+ sign 0.003+/-0.000 χ^2/NDF : 29977634.7/31

All: 0.003+/-0.000 χ^2/NDF : 58692629.5/64

- sign 0.003+/-0.000 χ^2/NDF : 28714662.4/32

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF : 187461723281.9/15

Left Out: -58.713+/-0.000 χ^2/NDF : 122643206.1/15

Right Out: 104.224+/-0.000 χ^2/NDF : 1257401882577977.0/18

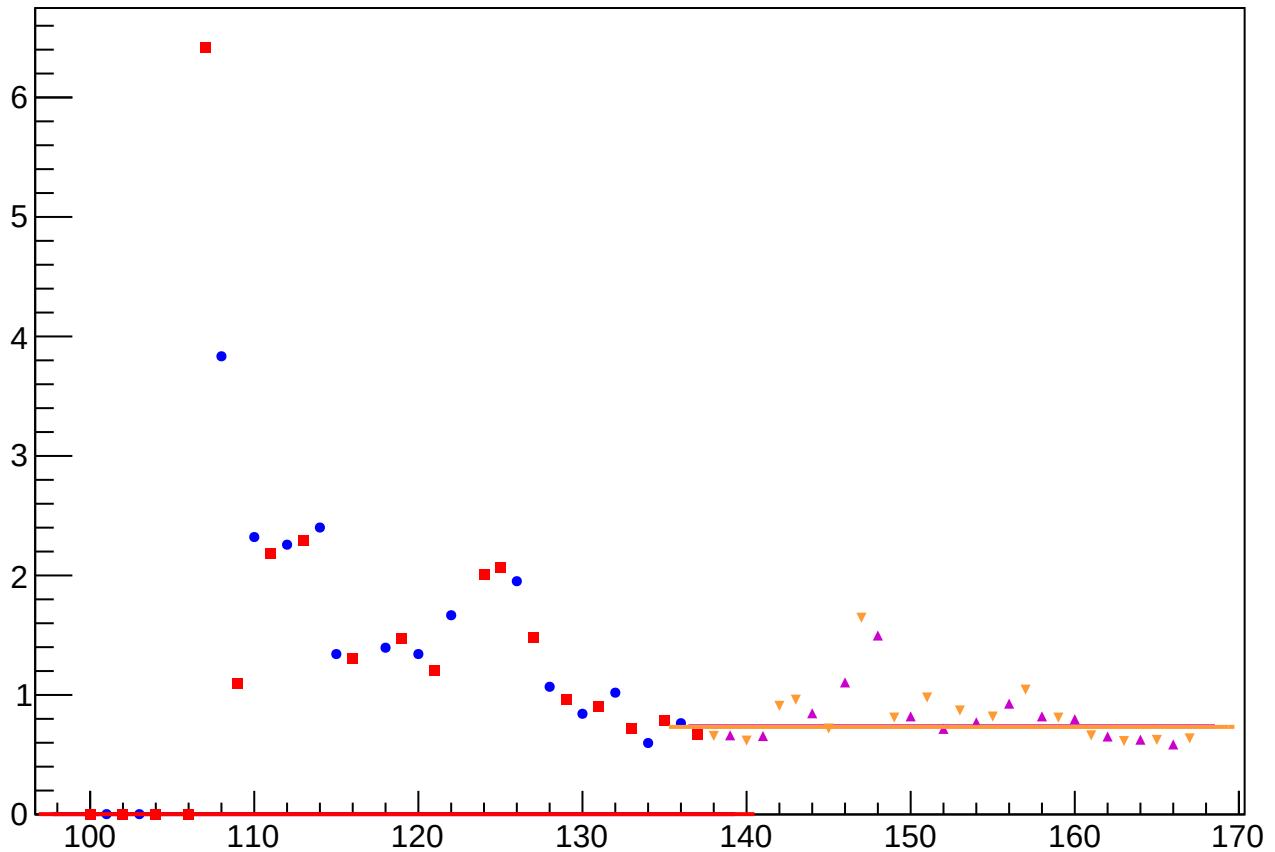
Left In: -58.760+/-0.000 χ^2/NDF : 96730079.9/13

+ sign 140.123+/-0.000 χ^2/NDF : 911611184311.0/3

All: 120.815+/-0.000 χ^2/NDF : 138201817376

- sign 104.211+/-0.000 χ^2/NDF : 125784015398071

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 10578723.1/15

Left Out: 0.733+/-0.000 χ^2/NDF :1010801.7/15

Right Out: 0.003+/-0.000 χ^2/NDF : 10266772.6/18

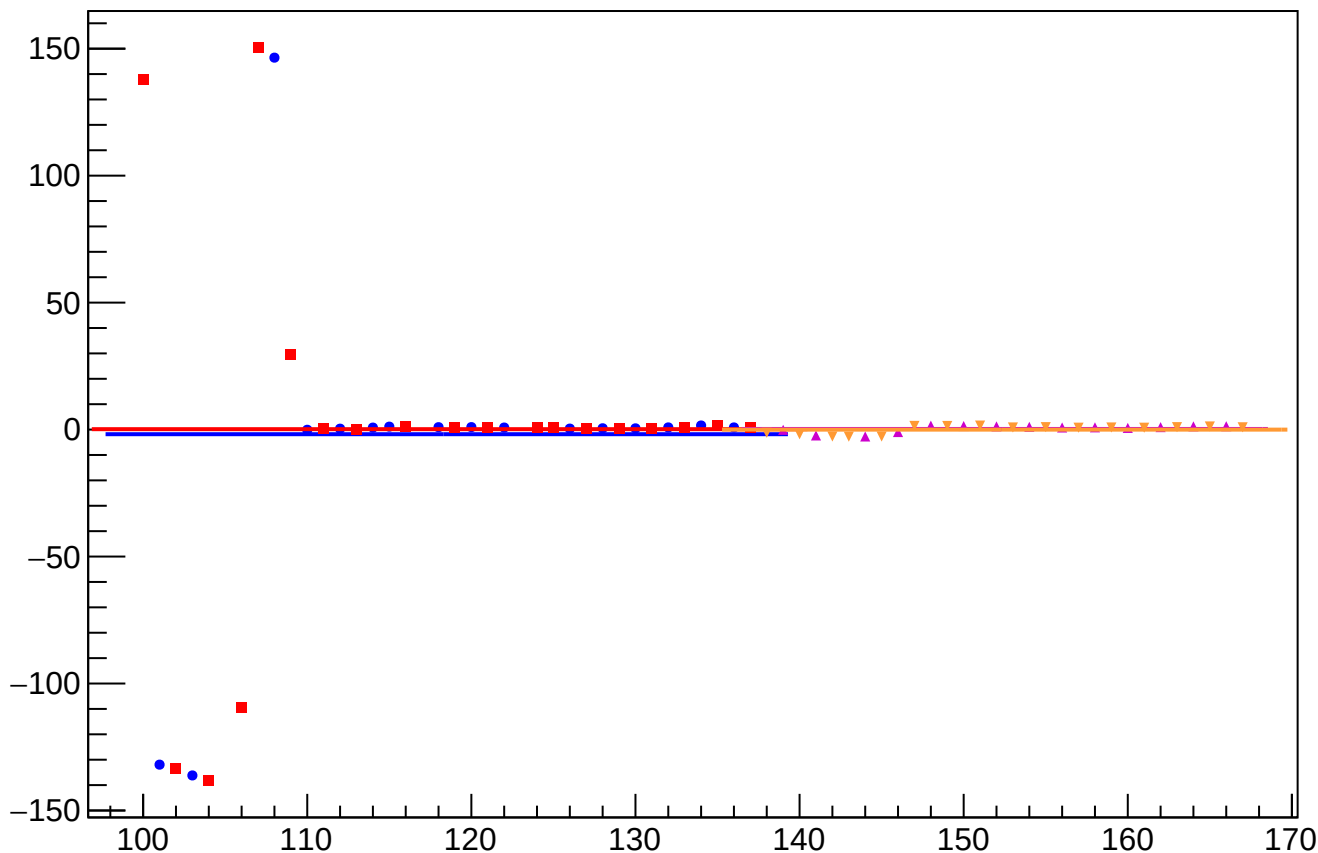
Left In: 0.738+/-0.000 χ^2/NDF :796306.0/13

+ sign 0.003+/-0.000 χ^2/NDF : 31105197.5/31

All: 0.003+/-0.000 χ^2/NDF : 59998937.8/64

- sign 0.003+/-0.000 χ^2/NDF : 28893273.5/32

yield_cav4cX_mean vs Slug



Right In: -1.818 ± 0.000 χ^2/NDF : 9887177310.2/15

Left Out: -0.015 ± 0.000 χ^2/NDF : 97222929.7/15

Right Out: 0.165 ± 0.000 χ^2/NDF : 3611245020.0/18

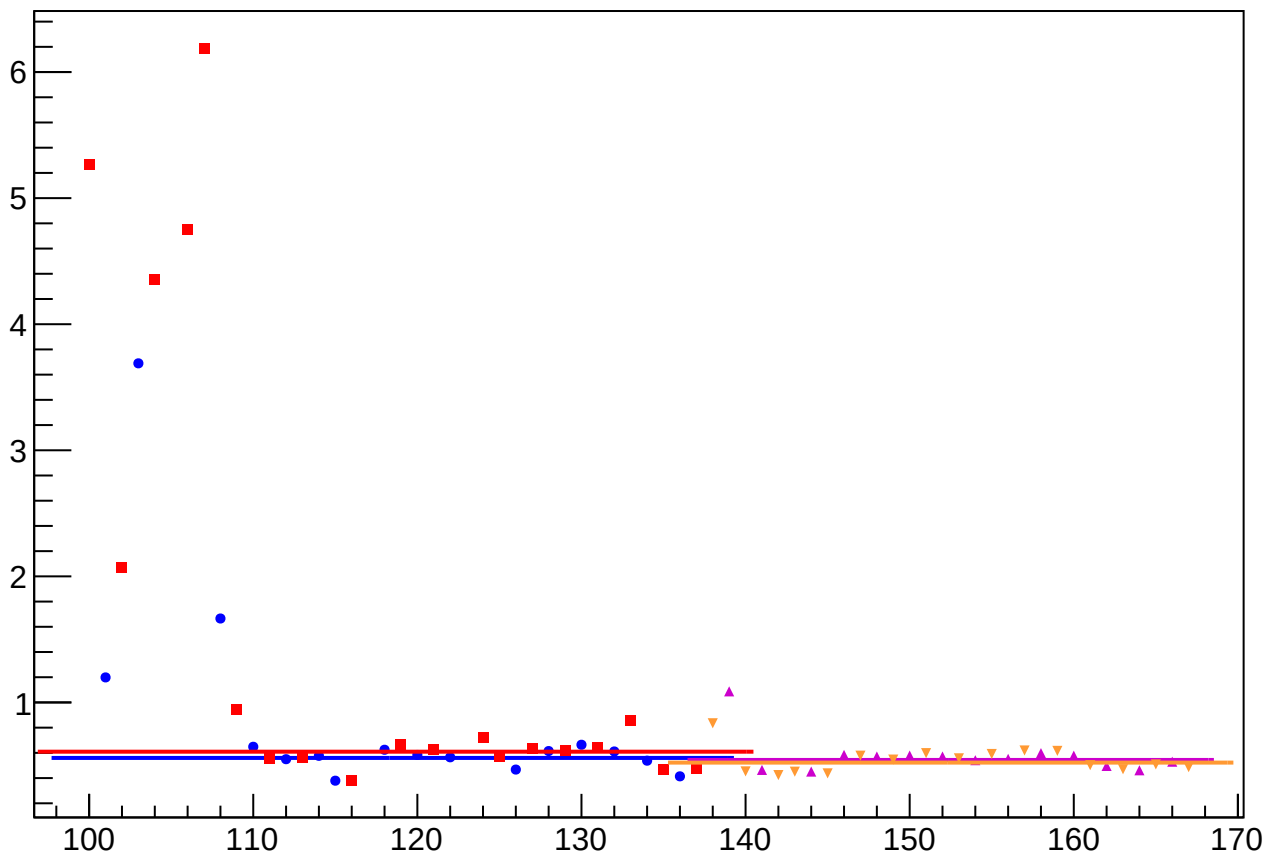
Left In: 0.243 ± 0.000 χ^2/NDF : 68230491.6/13

+ sign -0.569 ± 0.000 χ^2/NDF : 10020708180.6/31

All: -0.208 ± 0.000 χ^2/NDF : 13715213266.7/32

- sign 0.220 ± 0.000 χ^2/NDF : 3679533217.8/32

yield_cav4cX_rms vs Slug



Right In: 0.560 ± 0.000 χ^2/NDF : 1598439.5/15

Left Out: 0.523 ± 0.000 χ^2/NDF : 474185.2/15

Right Out: 0.609 ± 0.000 χ^2/NDF : 2476010.3/18

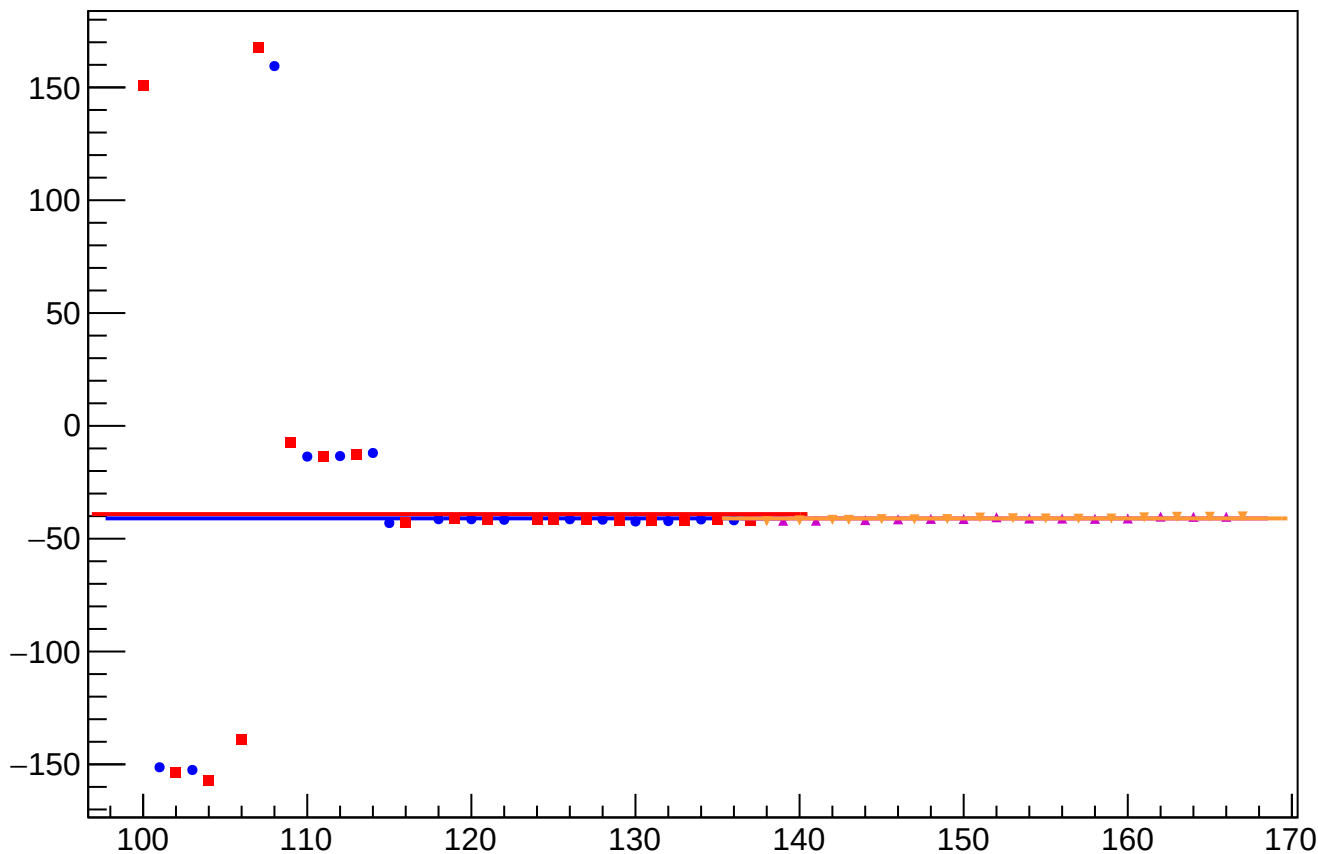
Left In: 0.544 ± 0.000 χ^2/NDF : 591138.4/13

+ sign 0.534 ± 0.000 χ^2/NDF : 2103209.7/31

All: 0.548 ± 0.000 χ^2/NDF : 5292162.2/64

- sign 0.564 ± 0.000 χ^2/NDF : 3147436.9/32

yield_cav4cY_mean vs Slug



Right In: -40.987 ± 0.000 χ^2/NDF : 3449622021.8/15

Left Out: -41.013 ± 0.000 χ^2/NDF : 30326644.6/15

Right Out: -39.101 ± 0.000 χ^2/NDF : 2480133442.0/18

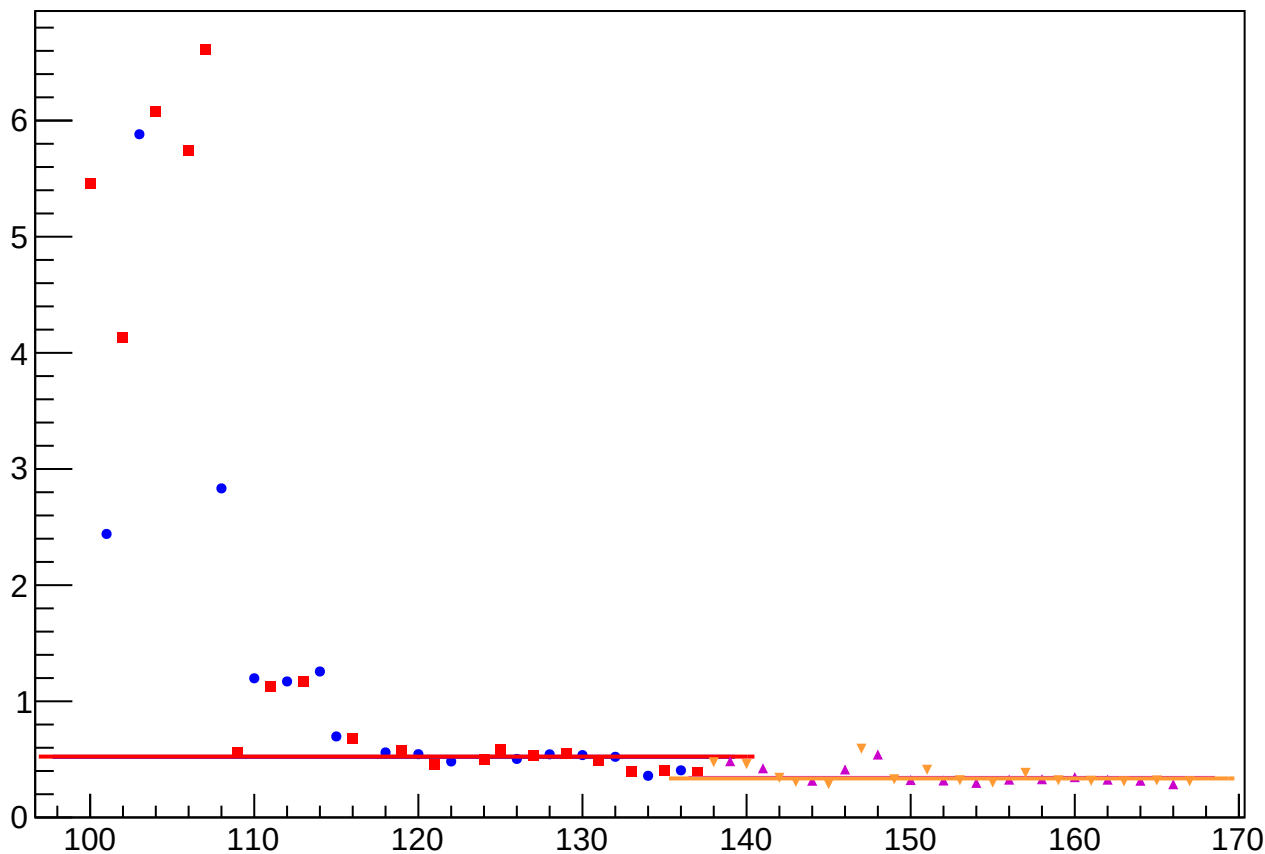
Left In: -41.026 ± 0.000 χ^2/NDF : 27141760.4/13

+ sign -41.009 ± 0.000 χ^2/NDF : 3479958973.3/31

All: -40.868 ± 0.000 χ^2/NDF : 6047859175.7/32

- sign -40.713 ± 0.000 χ^2/NDF : 2562837317.7/32

yield_cav4cY_rms vs Slug



Right In: 0.522 ± 0.000 χ^2/NDF : 2949327.6/15

Left Out: 0.336 ± 0.000 χ^2/NDF : 720618.1/15

Right Out: 0.524 ± 0.000 χ^2/NDF : 3264460.0/18

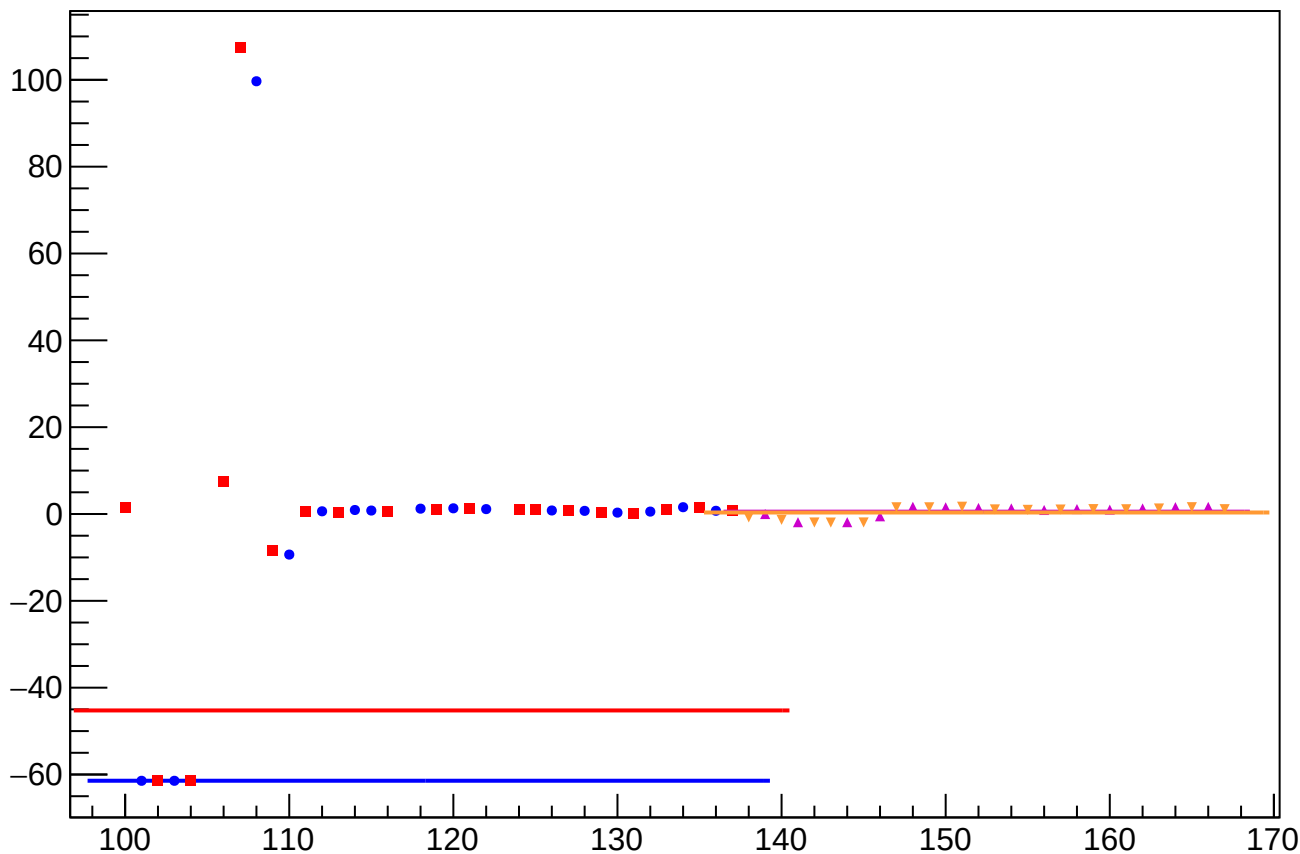
Left In: 0.340 ± 0.000 χ^2/NDF : 573697.1/13

+ sign 0.364 ± 0.000 χ^2/NDF : 4754365.8/31

All: 0.367 ± 0.000 χ^2/NDF : 9608288.6/64

- sign 0.370 ± 0.000 χ^2/NDF : 4849643.7/32

yield_cav4dX_mean vs Slug



Right In: -61.436 ± 0.000 $\chi^2/\text{NDF}: 273496278670.9/15$

Left Out: 0.348 ± 0.000 $\chi^2/\text{NDF}: 100142067.0/15$

Right Out: -45.245 ± 0.000 $\chi^2/\text{NDF}: 357870328061478.0/18$

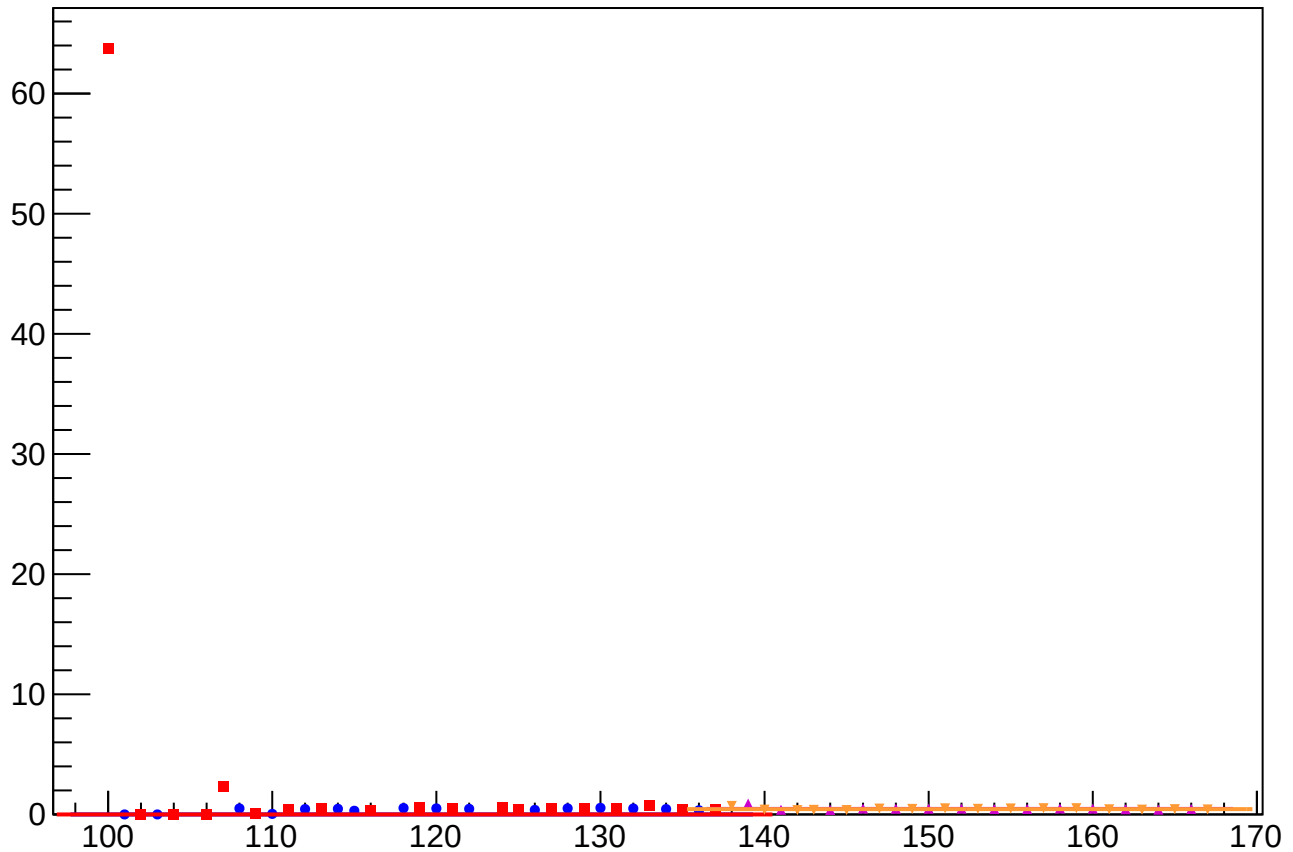
Left In: 0.539 ± 0.000 $\chi^2/\text{NDF}: 75857416.9/13$

+ sign -61.427 ± 0.000 $\chi^2/\text{NDF}: 467923845082.2/3$

All: -52.743 ± 0.000 $\chi^2/\text{NDF}: 409388703267$

- sign -45.240 ± 0.000 $\chi^2/\text{NDF}: 357961264033383$

yield_cav4dX_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 9156181.6/15

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:460891.9/15

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 9345109.5/18

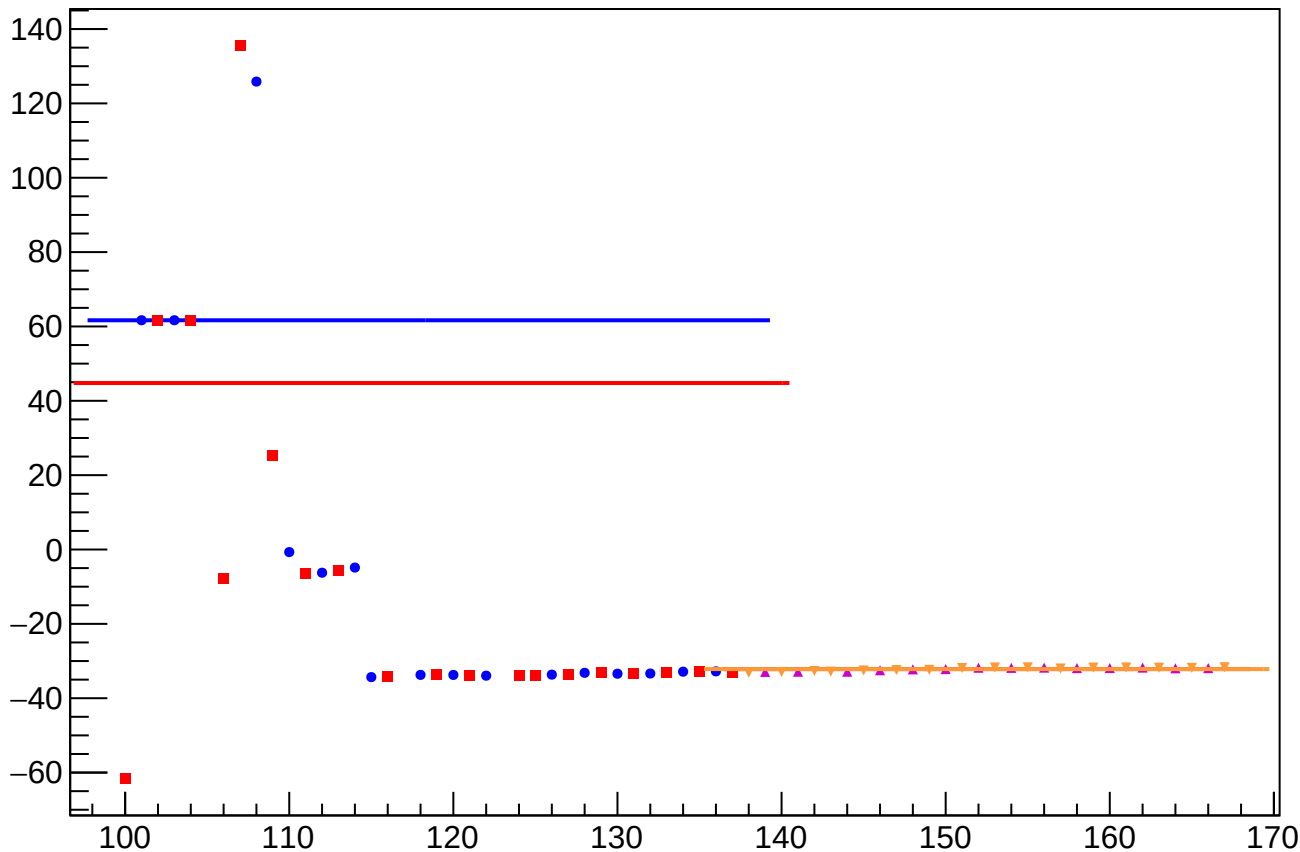
Left In: 0.461 $\pm$ 0.000 χ^2 /NDF:564791.4/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 29449682.7/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 57657619.4/64

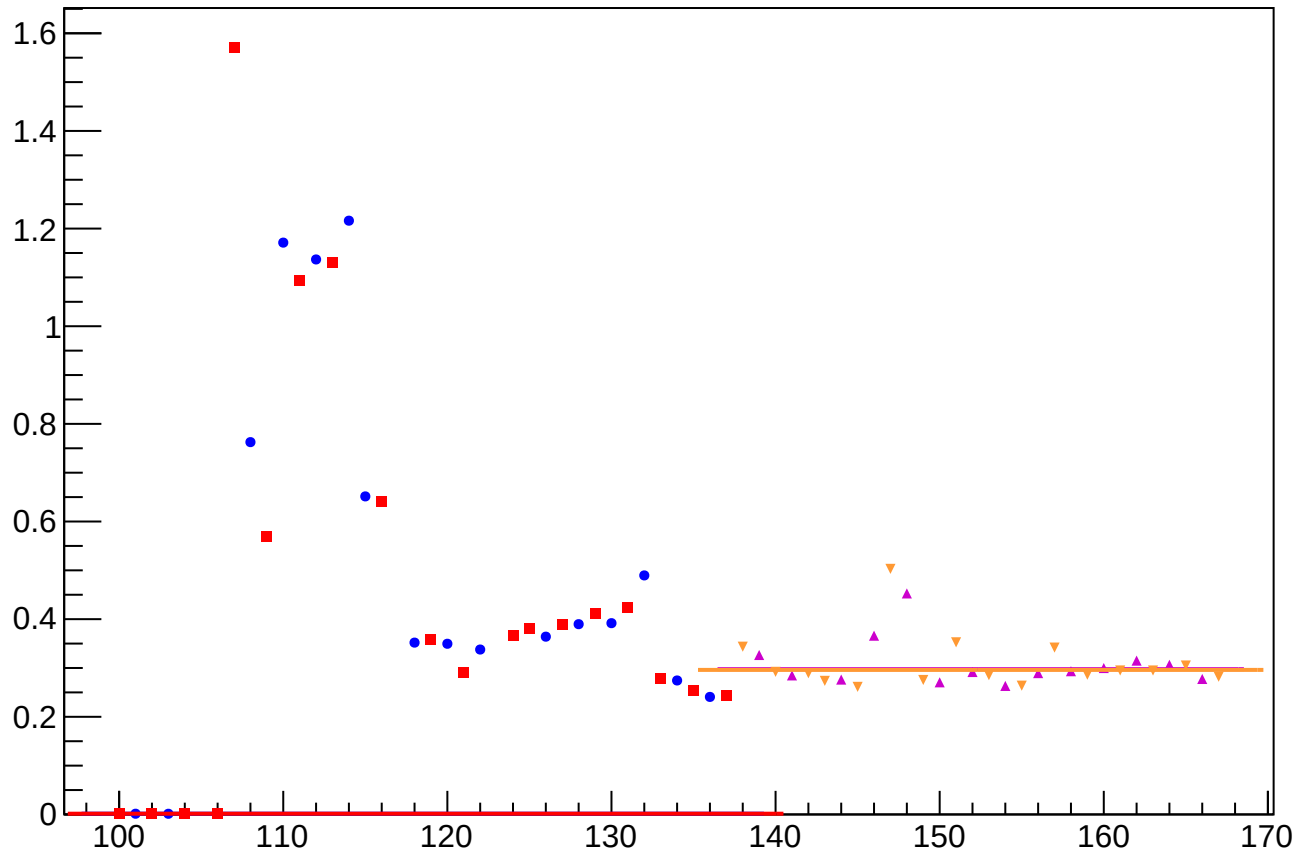
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 28207825.3/32

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000	χ^2/NDF : 369463062074.0/15	+ sign 61.624+/-0.000	χ^2/NDF : 1564947431121.3/3
Left Out: -32.163+/-0.000	χ^2/NDF : 32978783.0/15	All: 52.658+/-0.000	χ^2/NDF : 4194318336229
Right Out: 44.786+/-0.000	χ^2/NDF : 366094778229951.8/18	- sign 44.761+/-0.000	χ^2/NDF : 366823416945358.4
Left In: -32.163+/-0.000	χ^2/NDF : 23487140.3/13		

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF : 448400.4/15

Right Out: 0.002+/-0.000 χ^2/NDF : 10559220.1/18

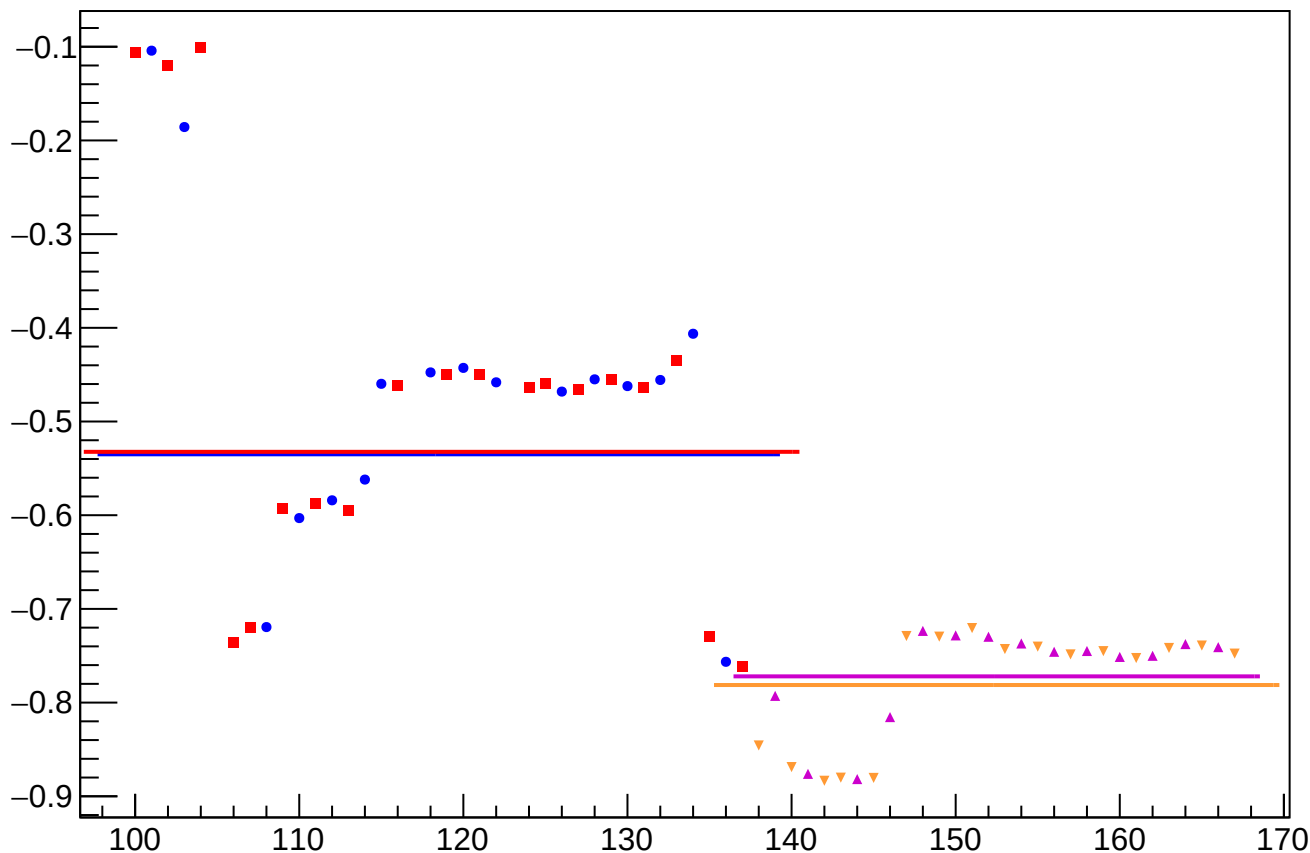
Left In: 0.298+/-0.000 χ^2/NDF : 330407.5/13

+ sign 0.002+/-0.000 χ^2/NDF : 35037621.7/31

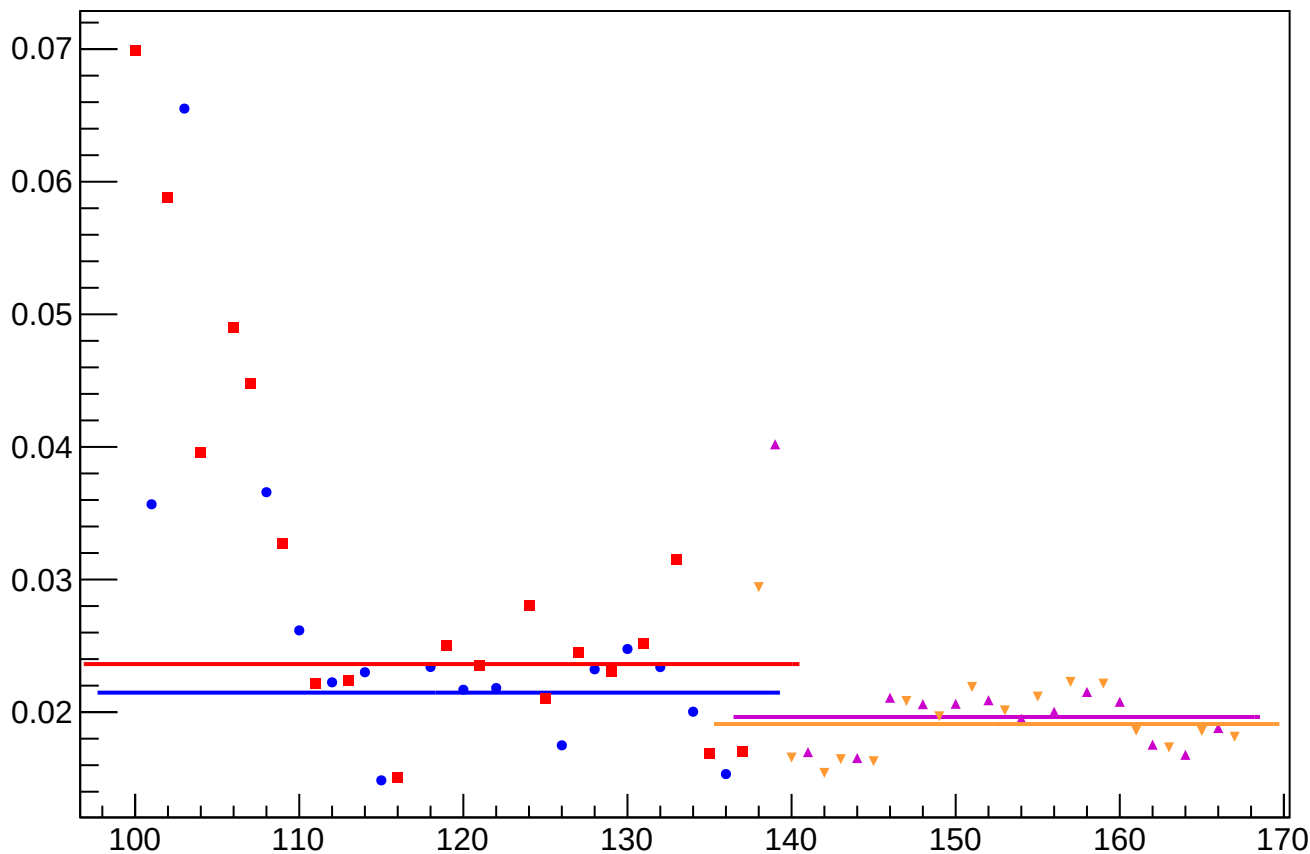
All: 0.002+/-0.000 χ^2/NDF : 67503781.5/64

- sign 0.002+/-0.000 χ^2/NDF : 32466152.4/32

yield_bpm4aX_mean vs Slug



yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF : 409561.1/15

Right Out: 0.024+/-0.000 χ^2/NDF : 1277268.6/18

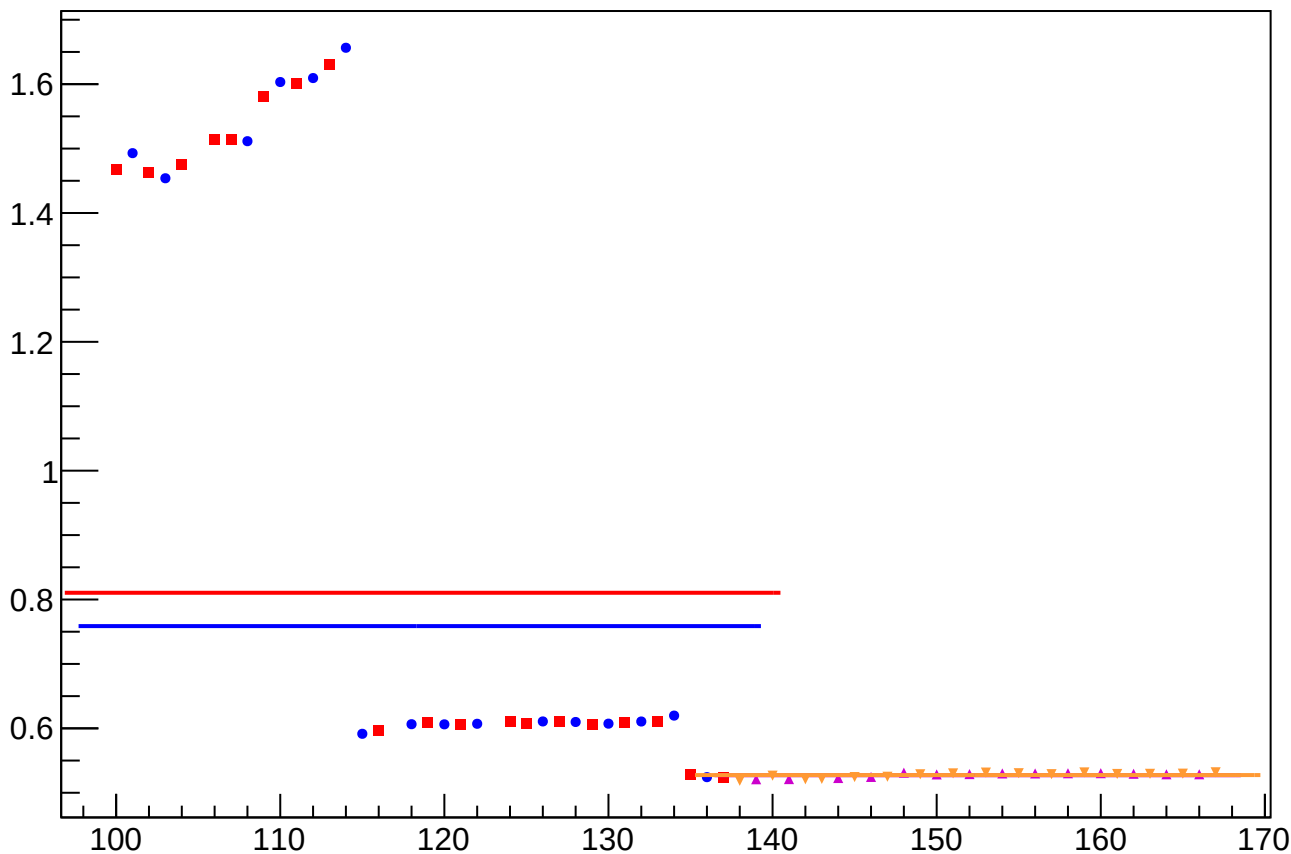
Left In: 0.020+/-0.000 χ^2/NDF : 599931.6/13

+ sign 0.020+/-0.000 χ^2/NDF : 1655077.4/31

All: 0.020+/-0.000 χ^2/NDF : 3792900.4/64

- sign 0.021+/-0.000 χ^2/NDF : 2101210.6/32

yield_bpm4aY_mean vs Slug



Right In: 0.759 $\pm$ 0.000 χ^2 /NDF: 4304169889.2/15

Left Out: 0.527 $\pm$ 0.000 χ^2 /NDF:1290560.5/15

Right Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 4769381416.8/18

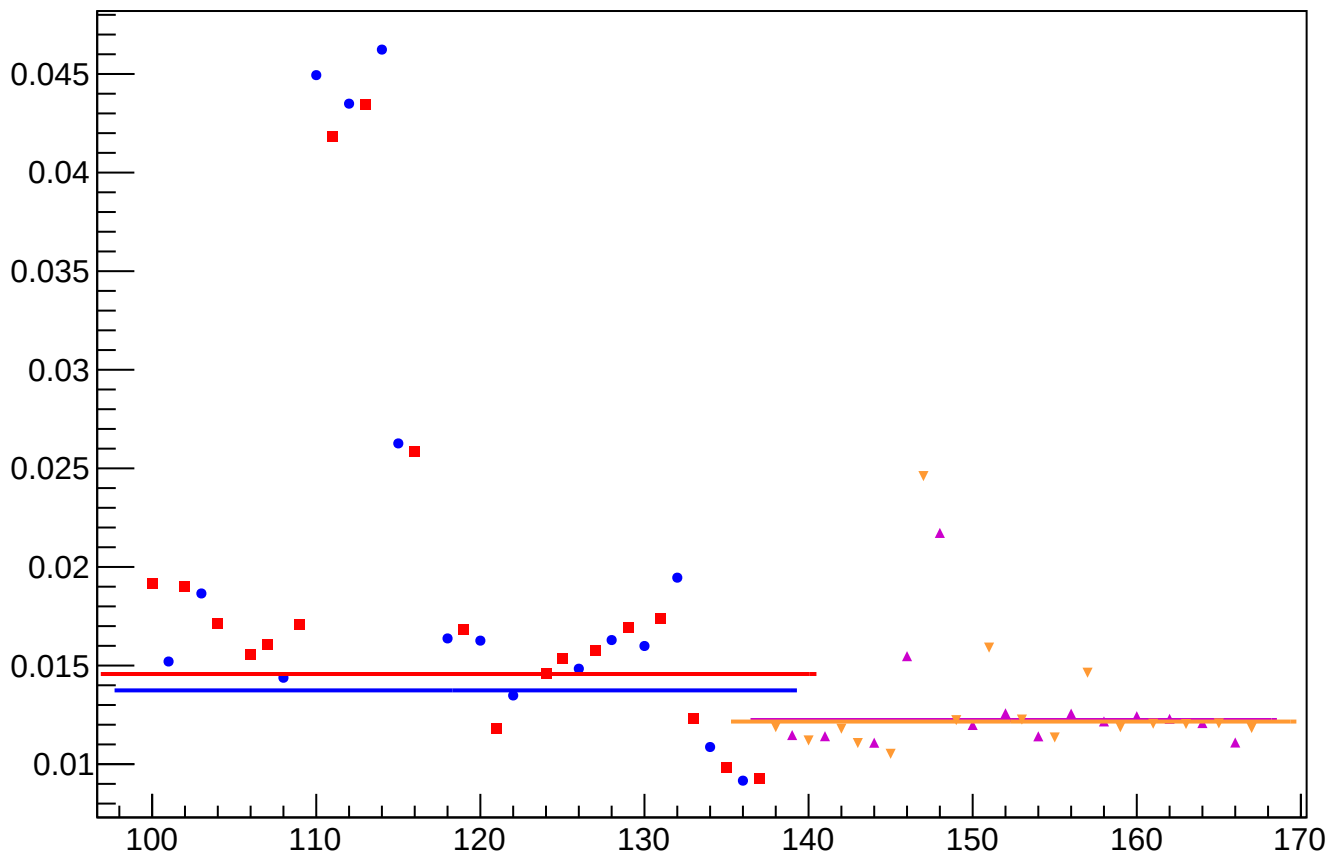
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF:929520.2/13

+ sign 0.593 $\pm$ 0.000 χ^2 /NDF: 5517072165.8/31

All: 0.600 $\pm$ 0.000 χ^2 /NDF: 11981978443.2/6

- sign 0.608 $\pm$ 0.000 χ^2 /NDF: 6451355388.0/32

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:615264.8/15

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1455054.4/18

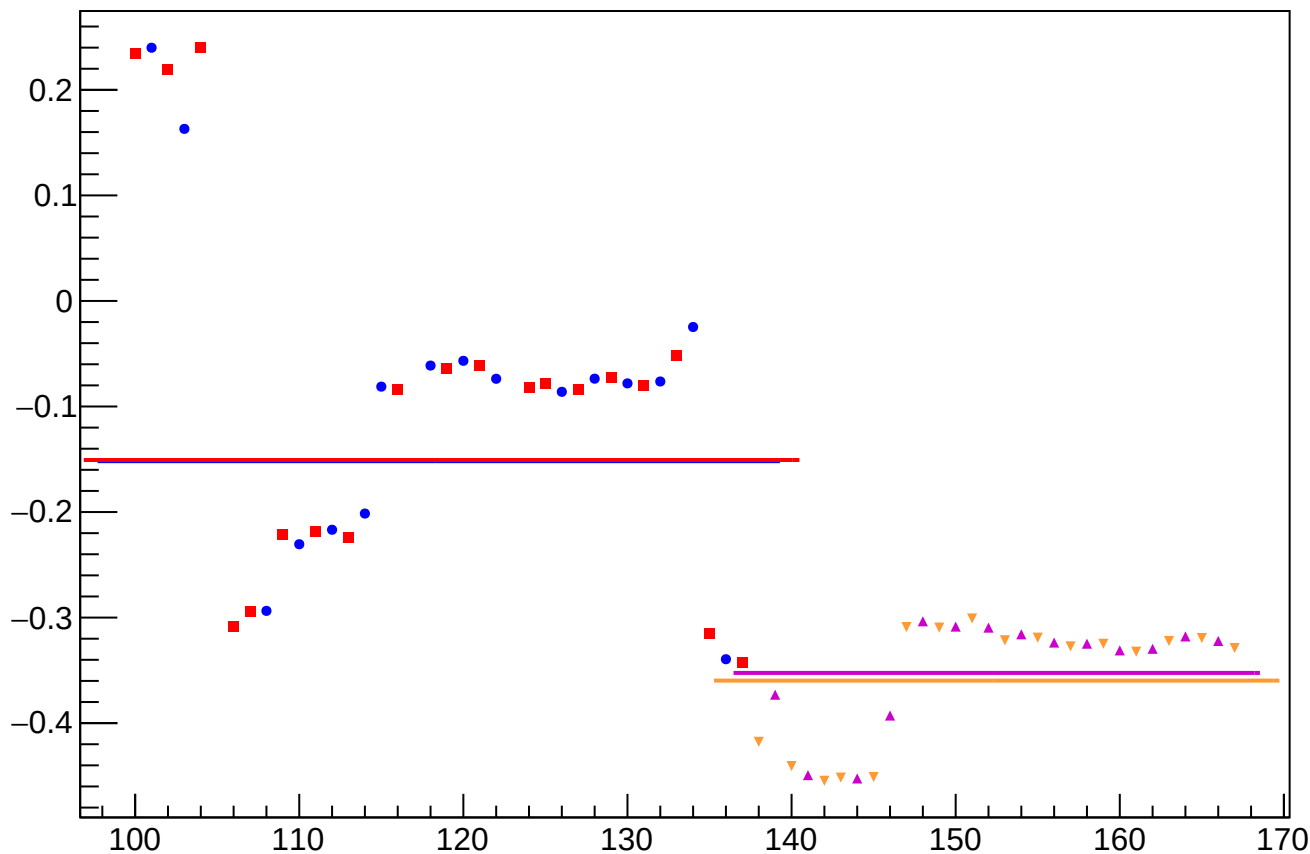
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:429400.1/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2378245.7/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4500578.5/64

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2112517.4/32

yield_bpm4eX_mean vs Slug



Right In: -0.152 ± 0.000 χ^2/NDF : 276791709.3/15

Left Out: -0.360 ± 0.000 χ^2/NDF : 103599353.8/15

Right Out: -0.151 ± 0.000 χ^2/NDF : 199410234.4/18

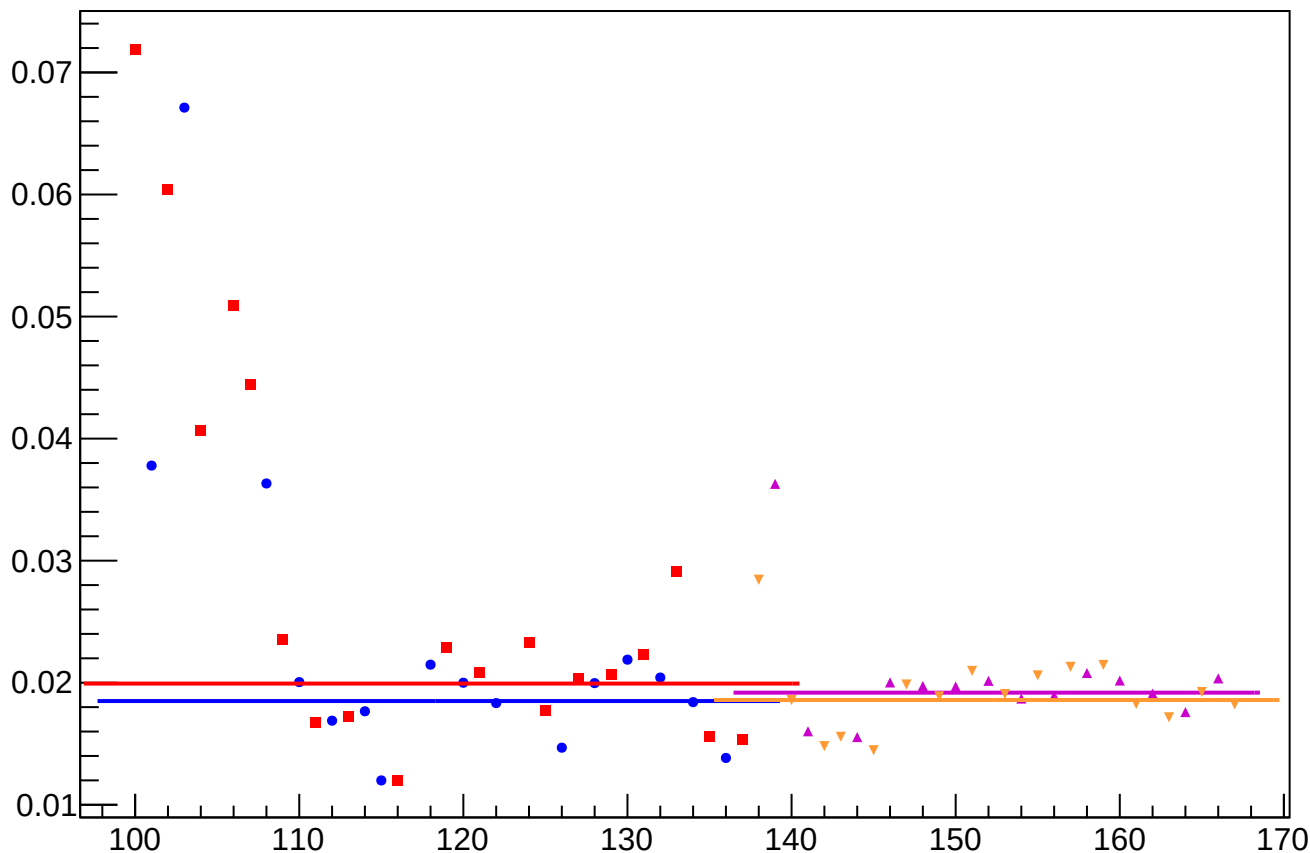
Left In: -0.352 ± 0.000 χ^2/NDF : 75154856.4/13

+ sign -0.288 ± 0.000 χ^2/NDF : 816313501.6/31

All: -0.285 ± 0.000 χ^2/NDF : 1452969183.3/6

- sign -0.281 ± 0.000 χ^2/NDF : 635771702.5/32

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF : 435285.9/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1547561.3/18

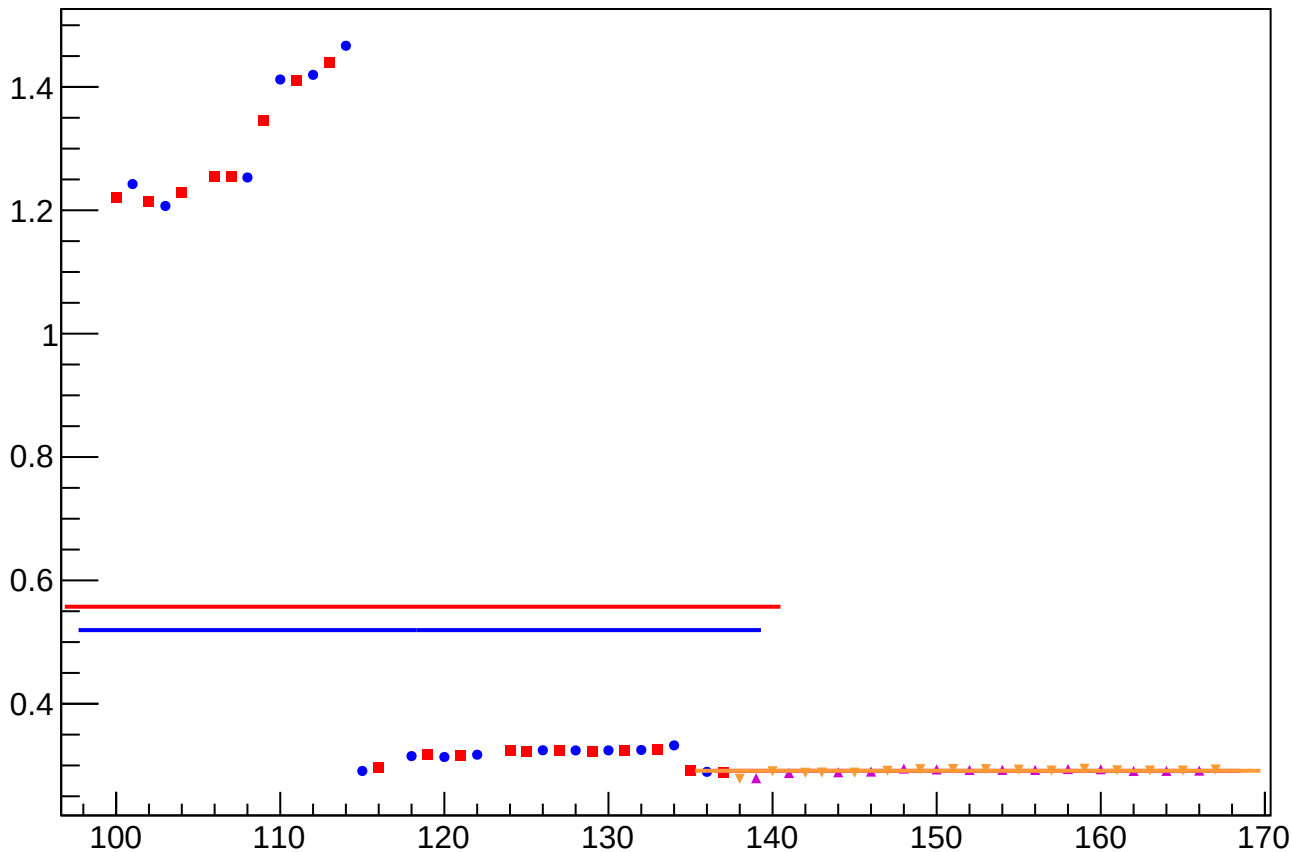
Left In: 0.019+/-0.000 χ^2/NDF : 528001.8/13

+ sign 0.019+/-0.000 χ^2/NDF : 1807795.2/31

All: 0.019+/-0.000 χ^2/NDF : 3926430.6/64

- sign 0.019+/-0.000 χ^2/NDF : 2085409.9/32

yield_bpm4eY_mean vs Slug



Right In: 0.519 $\pm$ 0.000 χ^2 /NDF: 6319132275.3/15

Left Out: 0.291 $\pm$ 0.000 χ^2 /NDF:1165009.4/15

Right Out: 0.557 $\pm$ 0.000 χ^2 /NDF: 6746144835.5/18

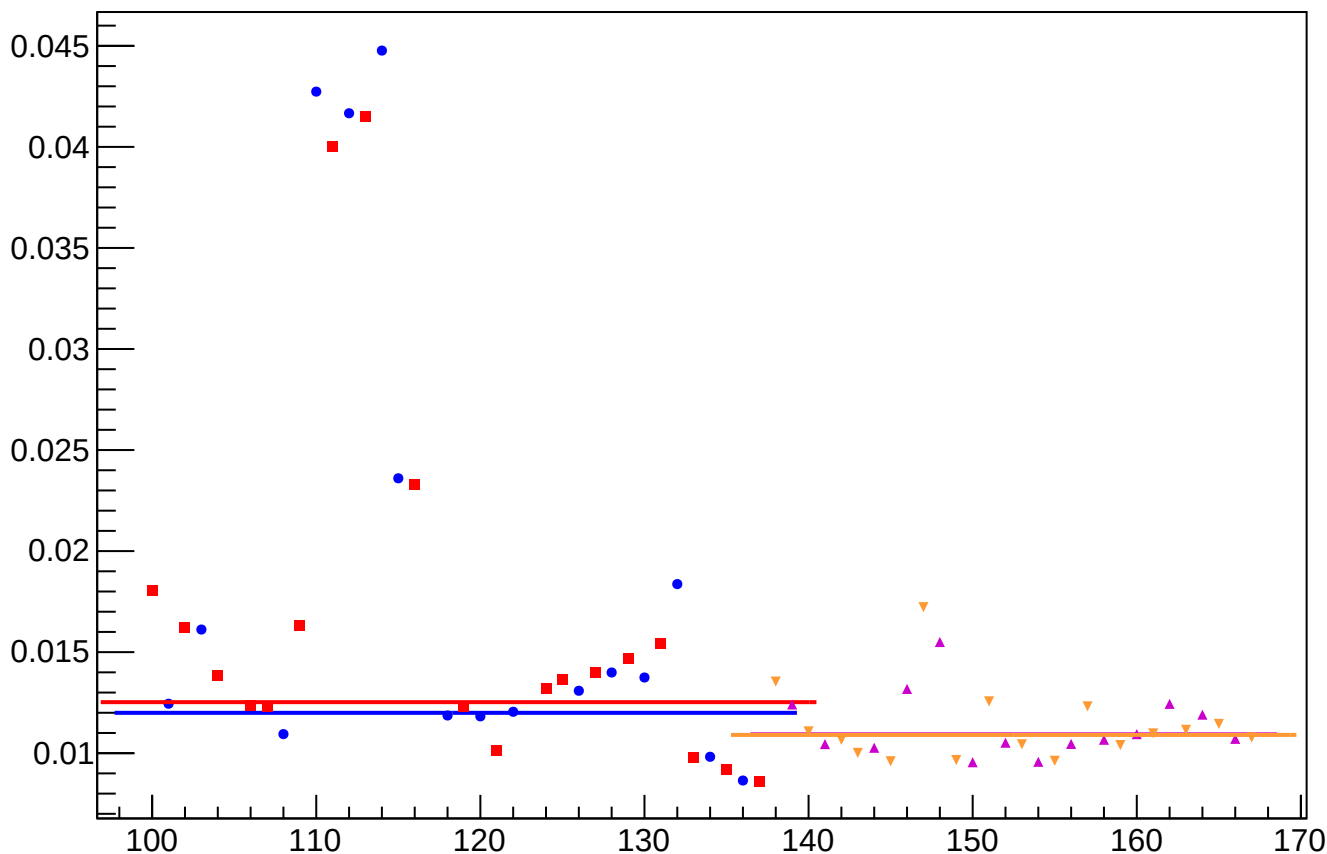
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:1168265.2/13

+ sign 0.358 $\pm$ 0.000 χ^2 /NDF: 7842954596.1/31

All: 0.364 $\pm$ 0.000 χ^2 /NDF: 16536419492.2/6

- sign 0.371 $\pm$ 0.000 χ^2 /NDF: 8682271280.4/32

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1491608.2/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 427708.7/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1434210.5/18

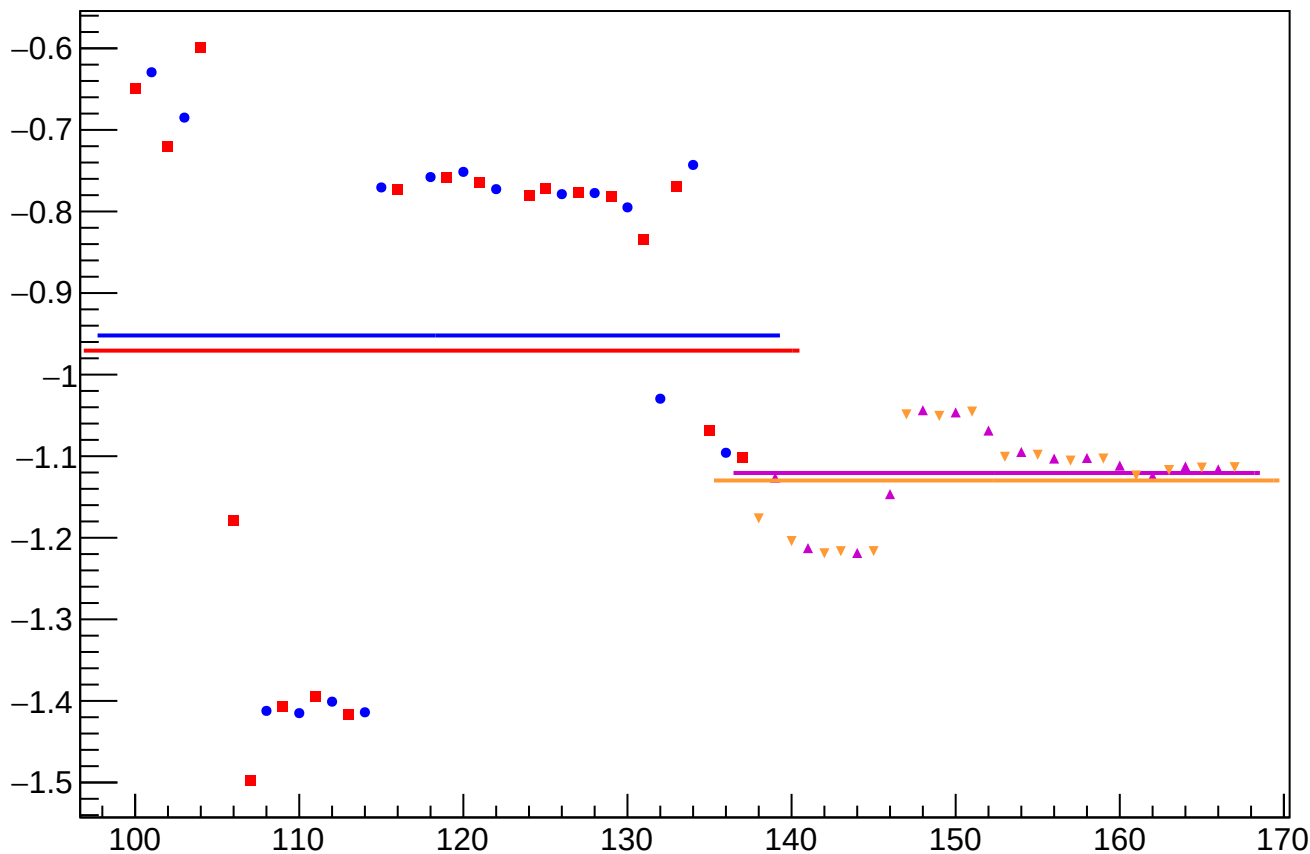
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 329444.8/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1989203.4/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3895980.7/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1902066.8/32

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF : 699468857.6/15

Left Out: -1.130+/-0.000 χ^2/NDF : 98012938.7/15

Right Out: -0.971+/-0.000 χ^2/NDF : 714505458.0/18

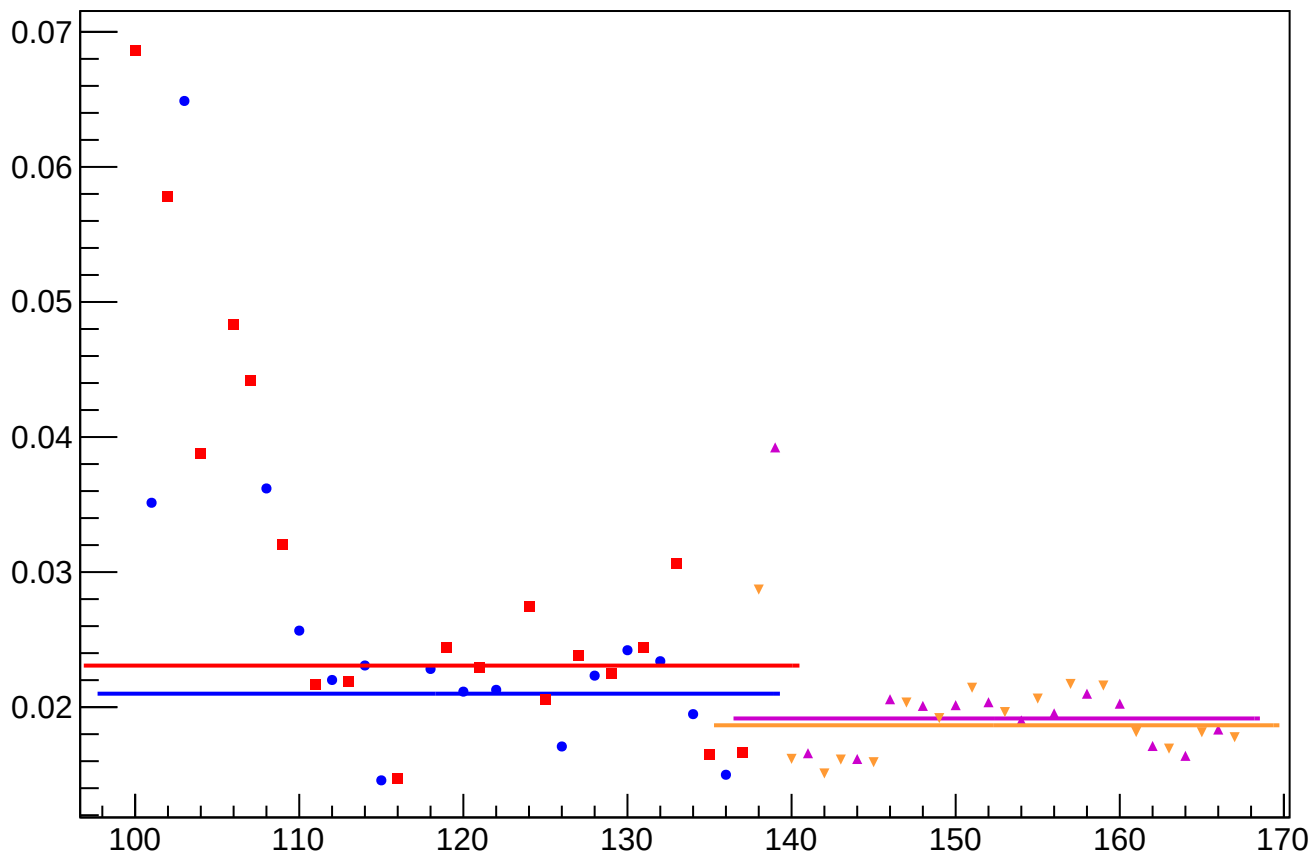
Left In: -1.121+/-0.000 χ^2/NDF : 71524624.8/13

+ sign -1.077+/-0.000 χ^2/NDF : 1066847228.1/31

All: -1.077+/-0.000 χ^2/NDF : 2018462034.3/6

- sign -1.076+/-0.000 χ^2/NDF : 951610323.8/32

yield_bpm4acX_rms vs Slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 1166992.9/15

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 405636.6/15

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1281311.4/18

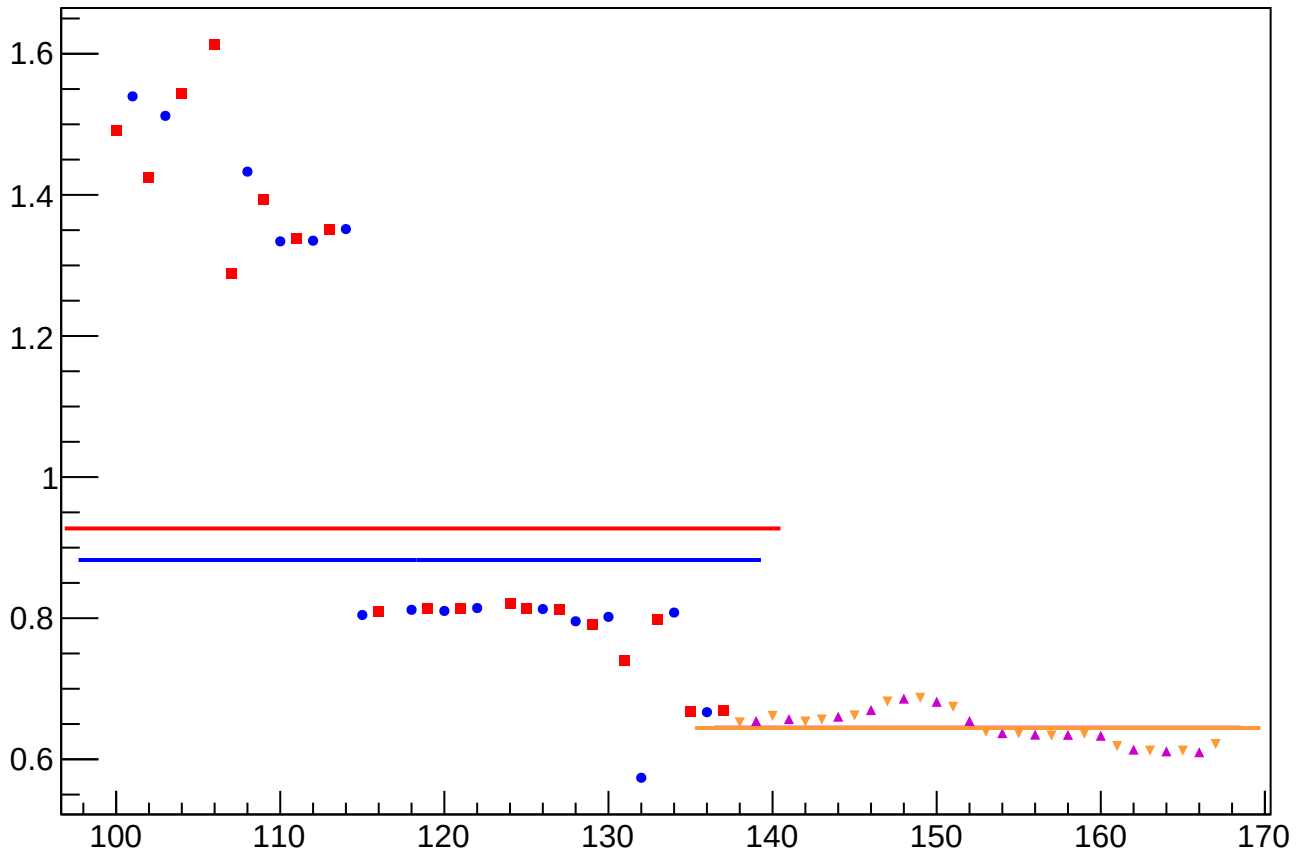
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 598347.0/13

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1665942.5/31

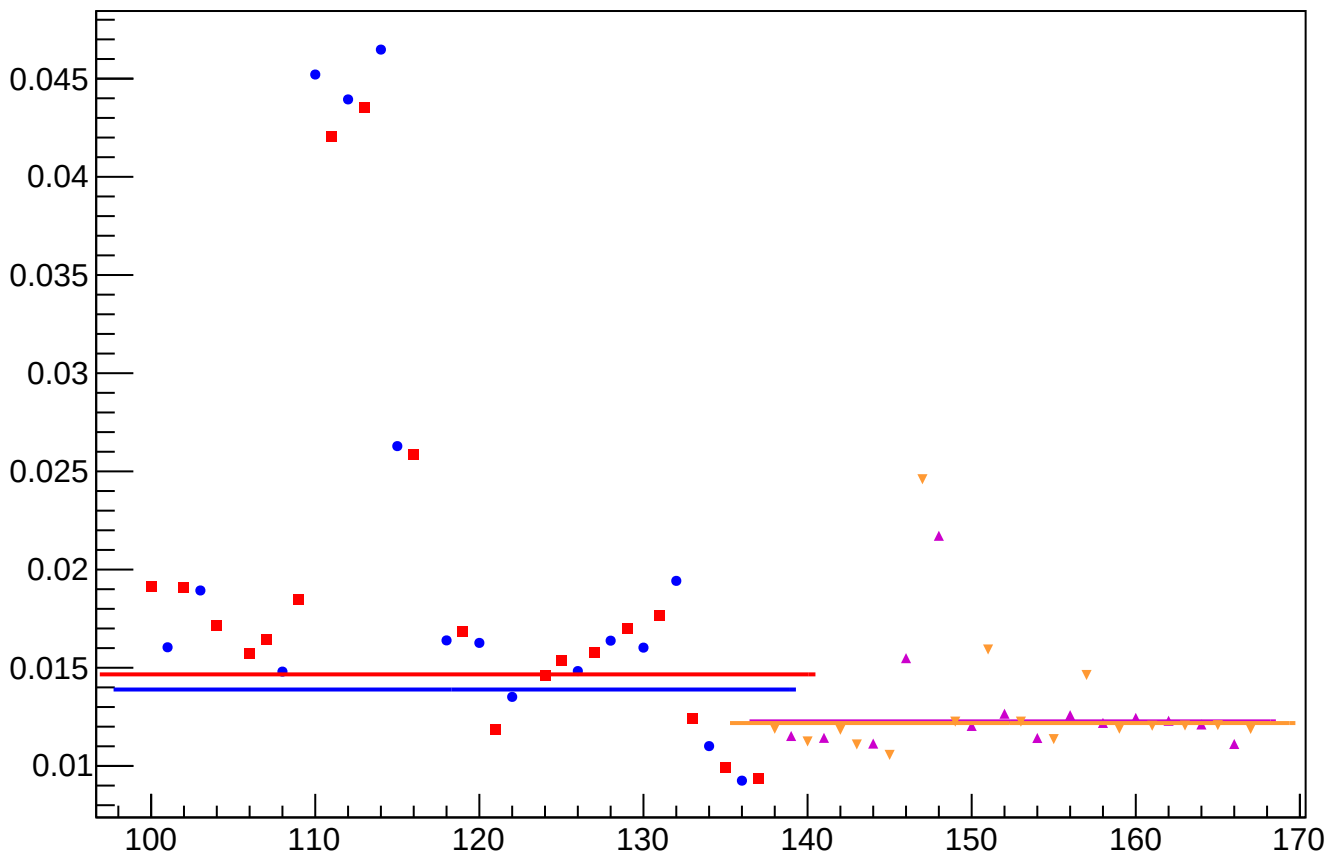
All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3806252.3/64

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2105192.2/32

yield_bpm4acY_mean vs Slug



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:609949.7/15

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1467025.6/18

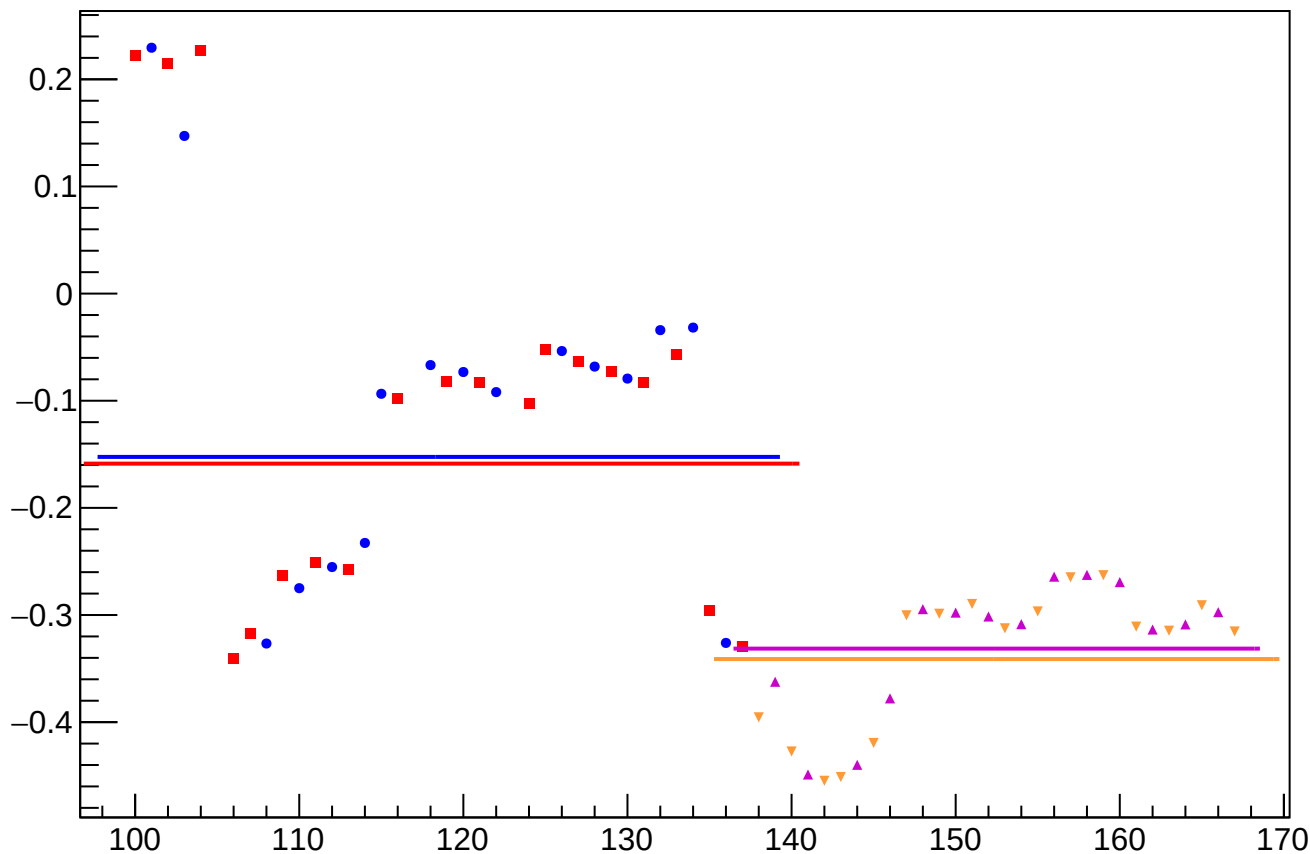
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:426067.2/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2386221.2/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4524994.1/64

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2129640.0/32

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF : 274261842.6/15

Left Out: -0.341+/-0.000 χ^2/NDF : 123307821.9/15

Right Out: -0.159+/-0.000 χ^2/NDF : 195614120.0/18

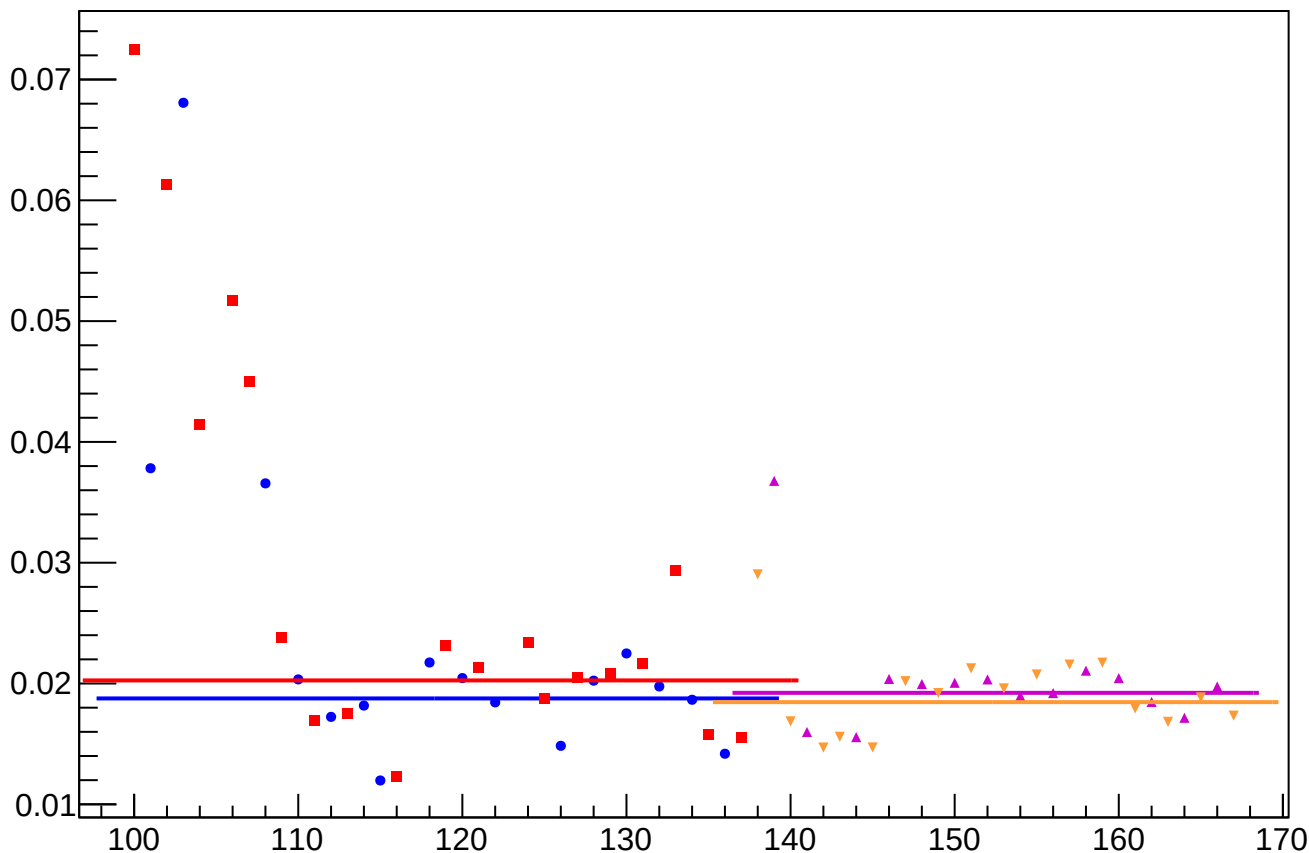
Left In: -0.331+/-0.000 χ^2/NDF : 102817550.2/13

+ sign -0.277+/-0.000 χ^2/NDF : 750929435.4/31

All: -0.275+/-0.000 χ^2/NDF : 1308167434.4/6

- sign -0.271+/-0.000 χ^2/NDF : 556513129.2/32

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF : 484079.1/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1529624.9/18

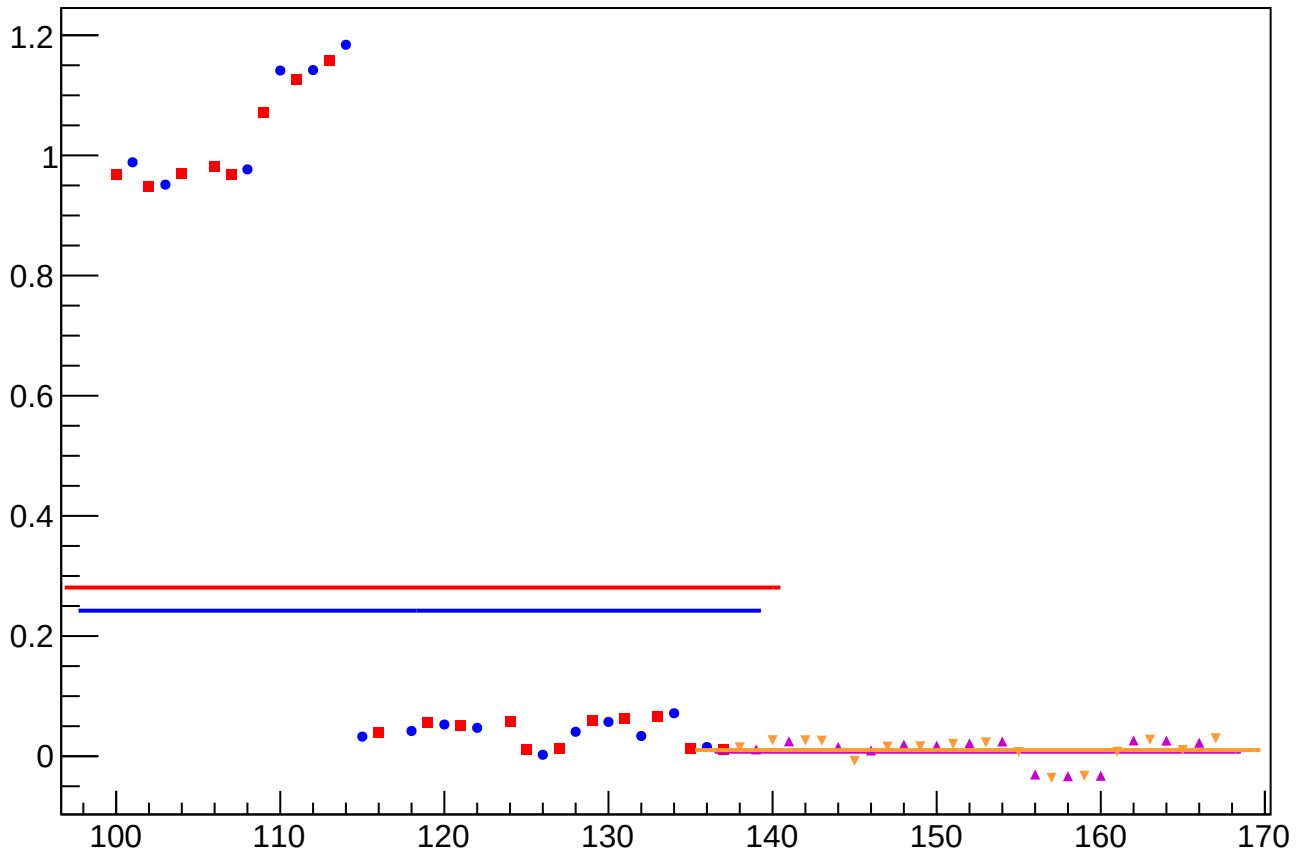
Left In: 0.019+/-0.000 χ^2/NDF : 553919.1/13

+ sign 0.019+/-0.000 χ^2/NDF : 1835358.9/31

All: 0.019+/-0.000 χ^2/NDF : 3980242.4/64

- sign 0.020+/-0.000 χ^2/NDF : 2101887.0/32

yield_bpm4ecY_mean vs Slug



Right In: 0.242 $\pm$ 0.000 χ^2 /NDF: 6507444426.7/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 41142778.3/15

Right Out: 0.281 $\pm$ 0.000 χ^2 /NDF: 6757631639.3/18

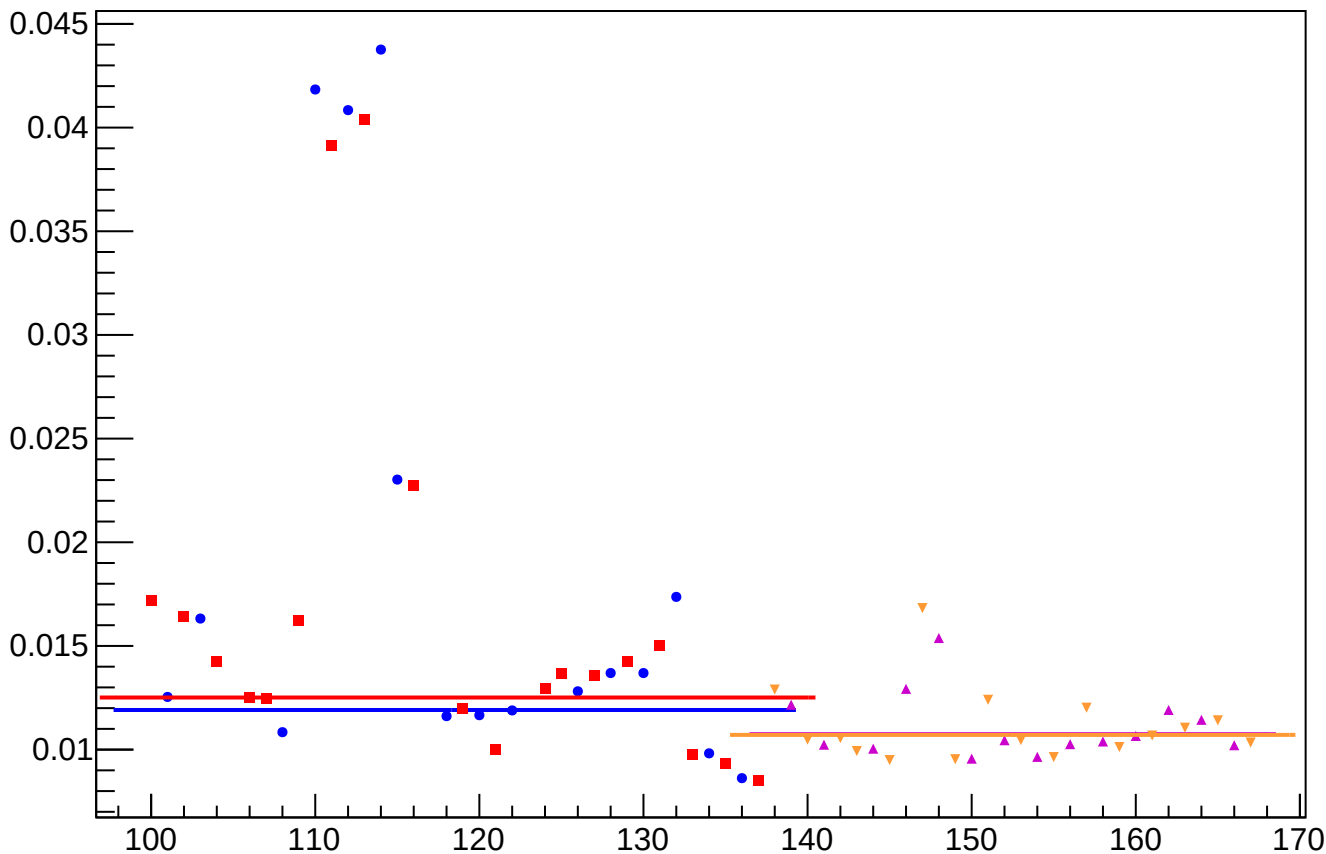
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 48770063.4/13

+ sign 0.077 $\pm$ 0.000 χ^2 /NDF: 8160952419.5/31

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 17041017045.3/6

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8872254178.7/32

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1459428.8/15

Left Out: 0.011 ± 0.000 χ^2/NDF : 396926.5/15

Right Out: 0.013 ± 0.000 χ^2/NDF : 1392455.1/18

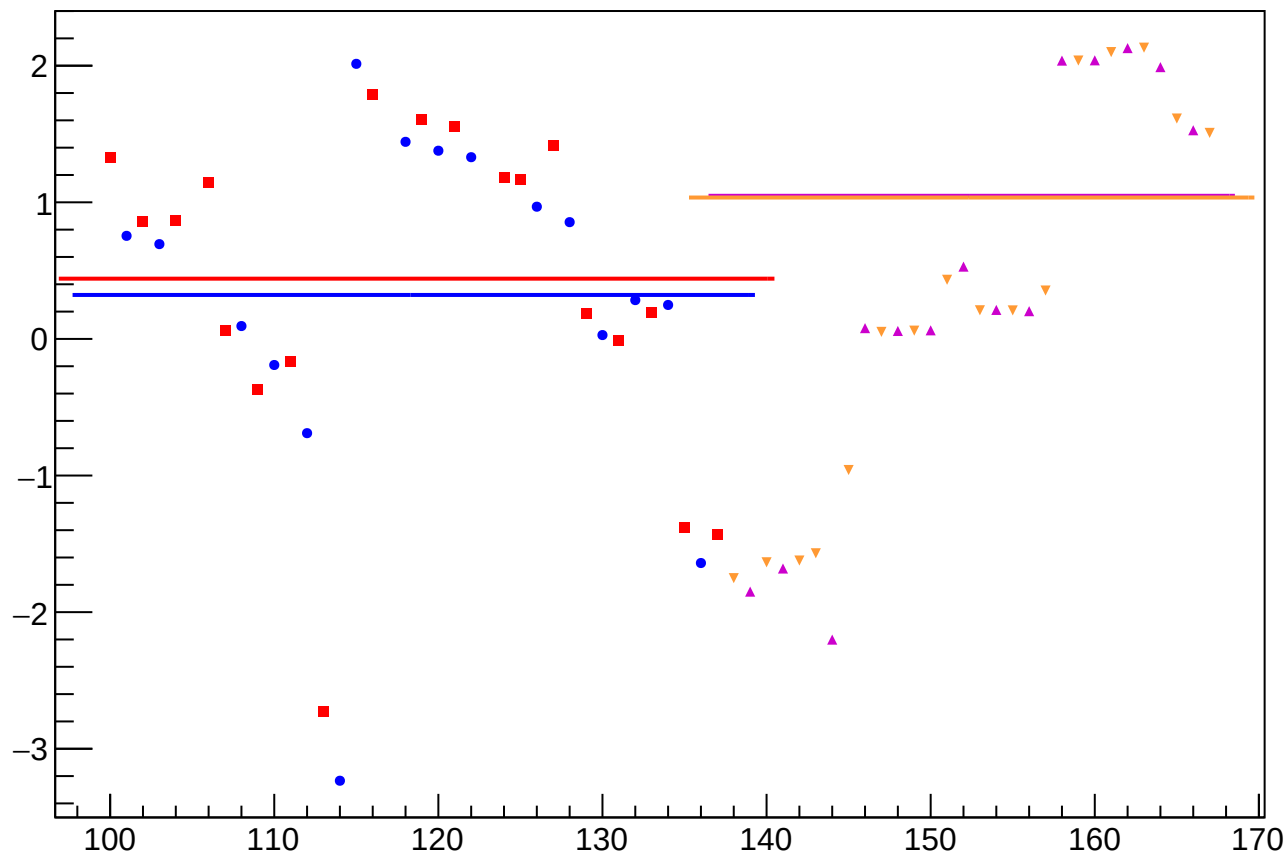
Left In: 0.011 ± 0.000 χ^2/NDF : 304458.5/13

+ sign 0.011 ± 0.000 χ^2/NDF : 1942604.4/31

All: 0.011 ± 0.000 χ^2/NDF : 3818378.8/64

- sign 0.011 ± 0.000 χ^2/NDF : 1869758.0/32

yield_bpm1X_mean vs Slug



Right In: 0.322 $\pm$ 0.000 χ^2 /NDF: 1664983742.5/15

Left Out: 1.035 $\pm$ 0.000 χ^2 /NDF: 28533633276.2/15

Right Out: 0.441 $\pm$ 0.000 χ^2 /NDF: 1796703168.4/18

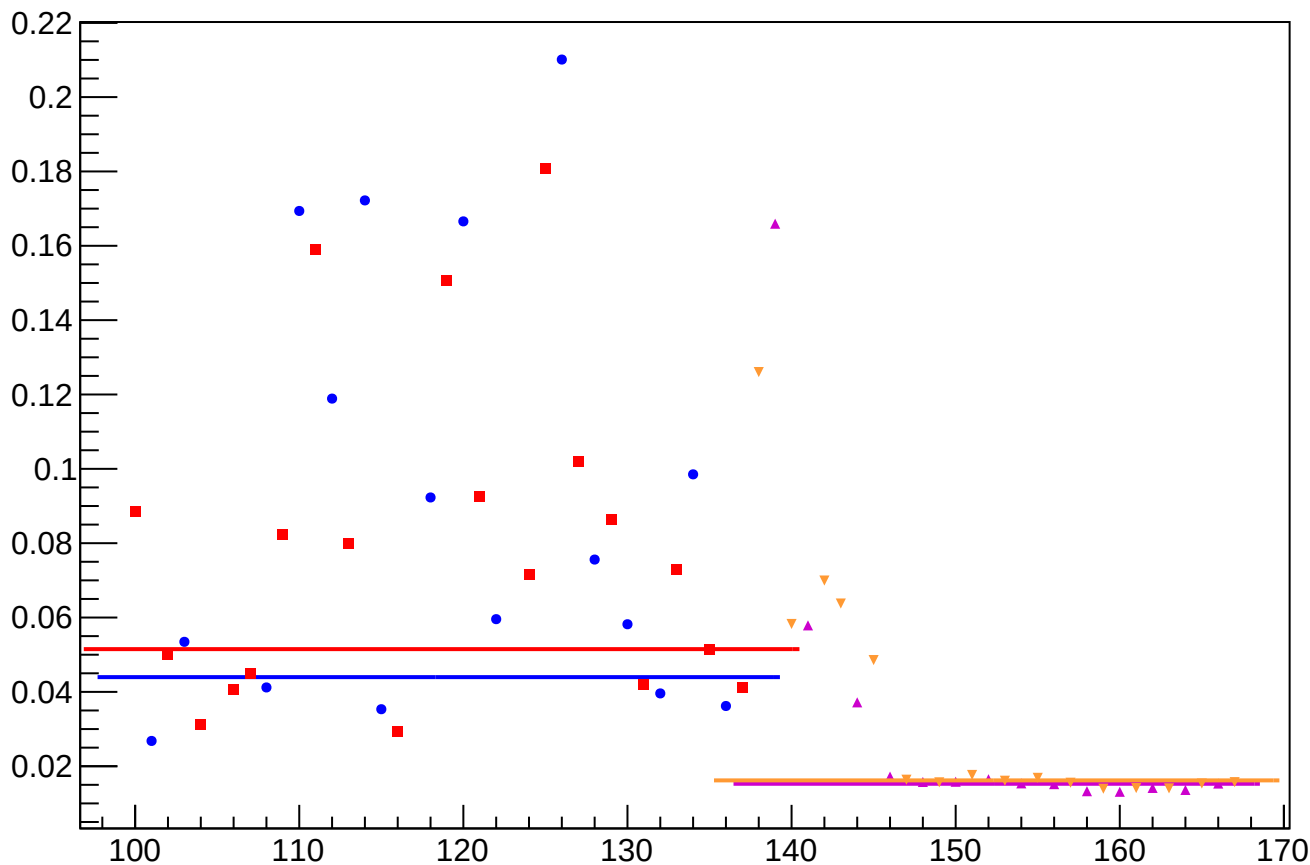
Left In: 1.048 $\pm$ 0.000 χ^2 /NDF: 32319309070.6/13

+ sign 0.995 $\pm$ 0.000 χ^2 /NDF: 31151078366.1/31

All: 1.008 $\pm$ 0.000 χ^2 /NDF: 65856621435.5/6

- sign 1.020 $\pm$ 0.000 χ^2 /NDF: 34694126524.5/32

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF : 2877808.5/15

Right Out: 0.052+/-0.000 χ^2/NDF : 2367478.8/18

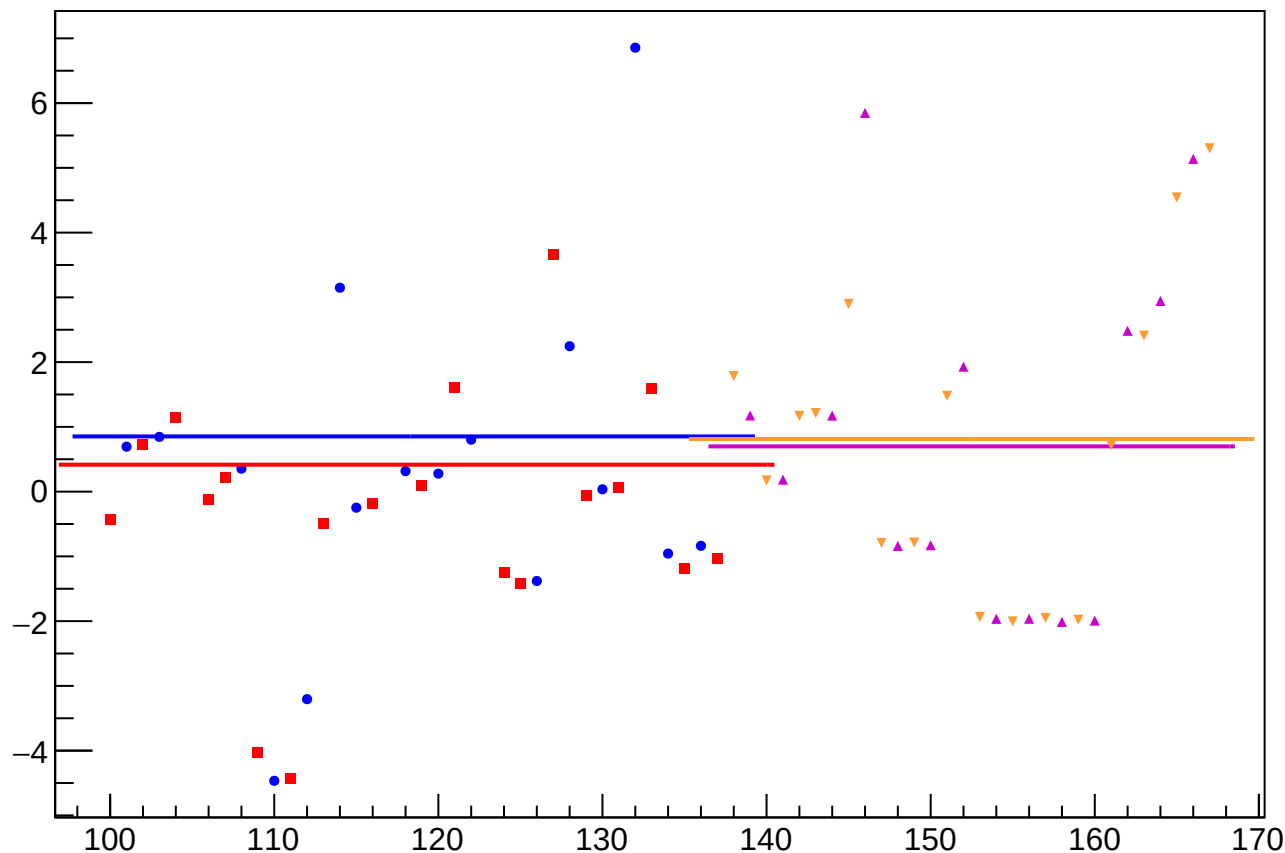
Left In: 0.015+/-0.000 χ^2/NDF : 2143723.5/13

+ sign 0.018+/-0.000 χ^2/NDF : 8555865.4/31

All: 0.017+/-0.000 χ^2/NDF : 17213697.2/64

- sign 0.017+/-0.000 χ^2/NDF : 8633387.1/32

yield_bpm1Y_mean vs Slug



Right In: 0.852+/-0.000 χ^2/NDF : 11576037687.7/15

Left Out: 0.813+/-0.000 χ^2/NDF : 382915270131.5/15

Right Out: 0.416+/-0.000 χ^2/NDF : 5121892038.7/18

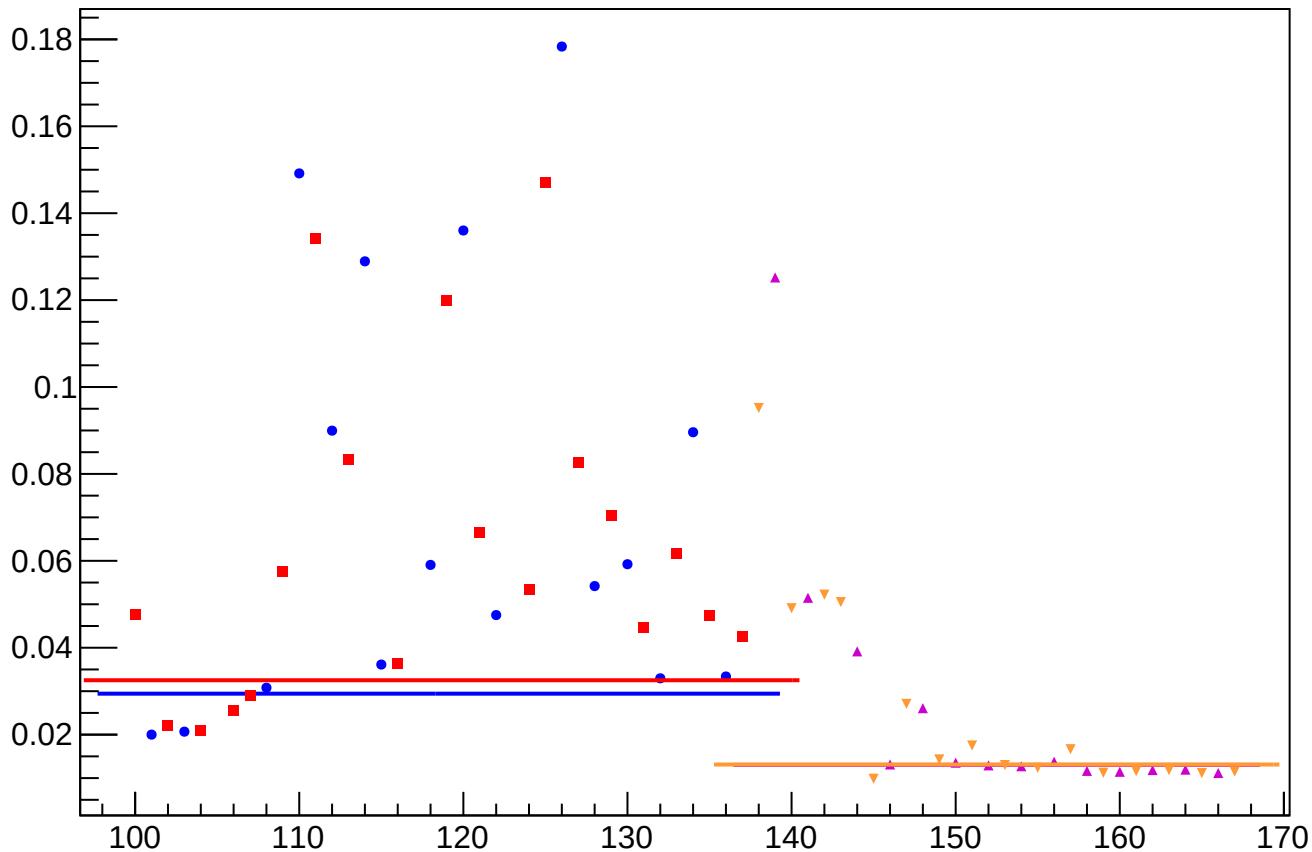
Left In: 0.699+/-0.000 χ^2/NDF : 424364572439.1/13

+ sign 0.816+/-0.000 χ^2/NDF : 394497509559.0/31

All: 0.749+/-0.000 χ^2/NDF : 824806366283.9

- sign 0.679+/-0.000 χ^2/NDF : 429777046967.5/32

yield_bpm1Y_rms vs Slug



Right In: 0.029 ± 0.000 χ^2/NDF : 3192424.8/15

Left Out: 0.013 ± 0.000 χ^2/NDF : 3106427.8/15

Right Out: 0.033 ± 0.000 χ^2/NDF : 3315430.7/18

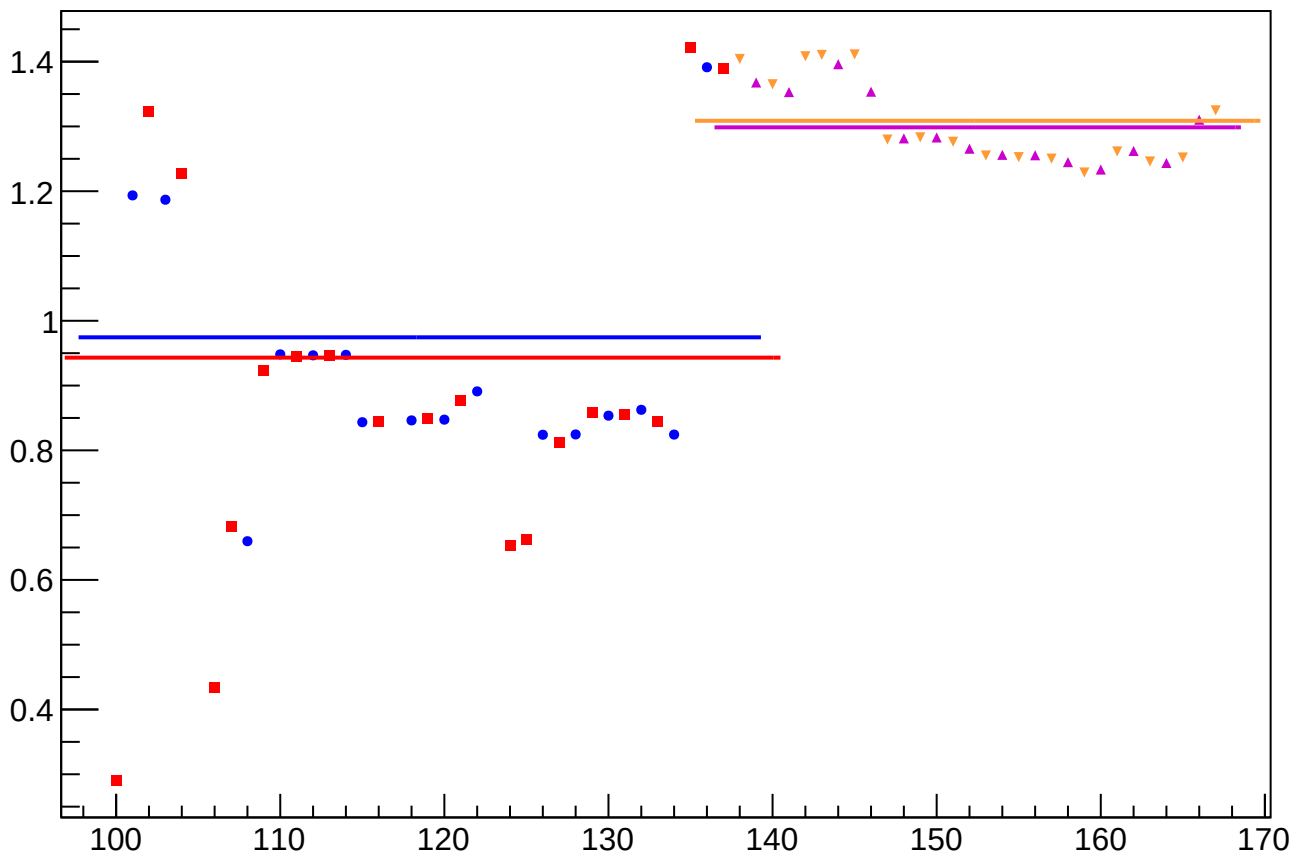
Left In: 0.013 ± 0.000 χ^2/NDF : 2664253.3/13

+ sign 0.014 ± 0.000 χ^2/NDF : 8397717.2/31

All: 0.014 ± 0.000 χ^2/NDF : 17131847.2/64

- sign 0.014 ± 0.000 χ^2/NDF : 8733810.9/32

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF : 1458735246.5/15

Left Out: 1.309+/-0.000 χ^2/NDF : 260658150.5/15

Right Out: 0.943+/-0.000 χ^2/NDF : 1670579900.3/18

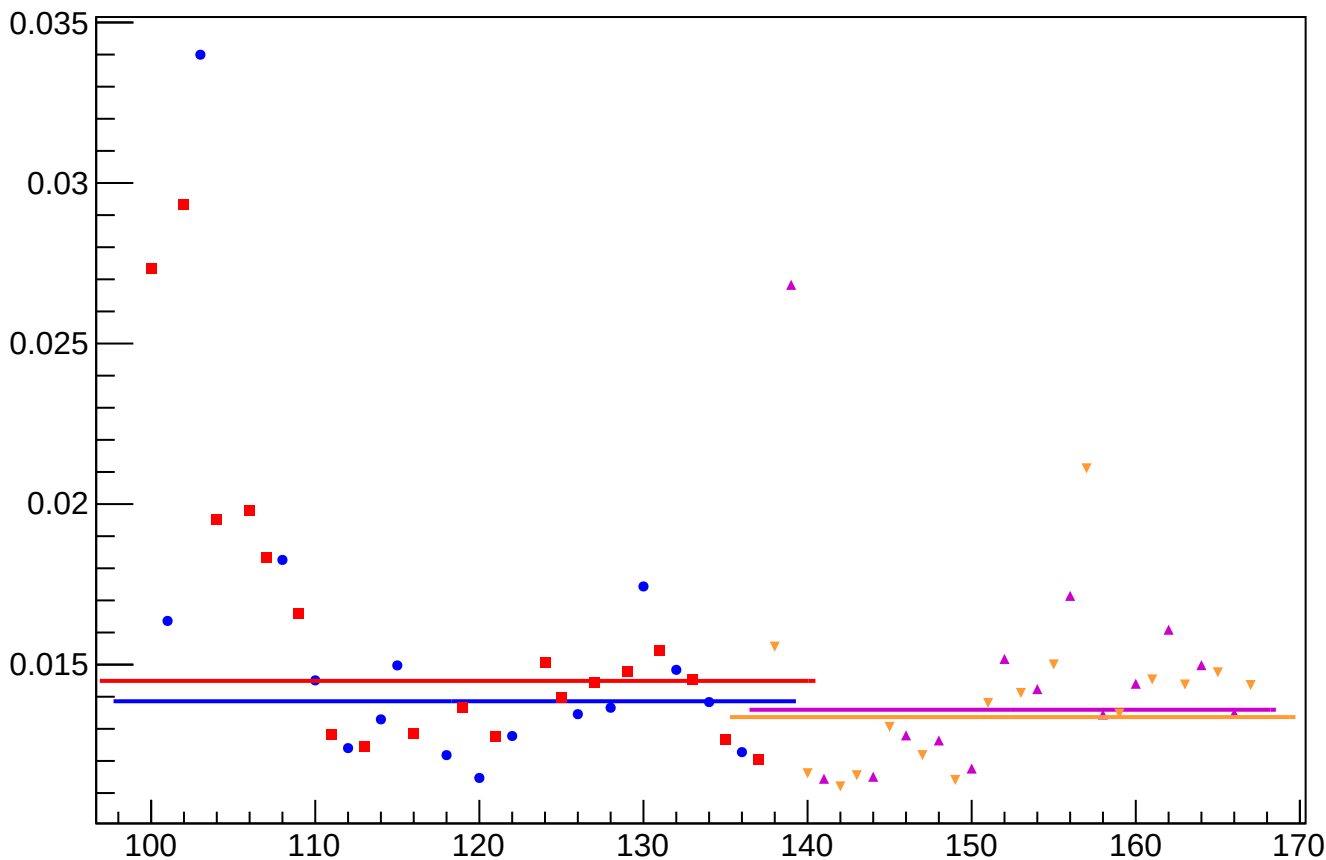
Left In: 1.299+/-0.000 χ^2/NDF : 152296251.4/13

+ sign 1.192+/-0.000 χ^2/NDF : 4076253041.0/31

All: 1.182+/-0.000 χ^2/NDF : 8389459427.6/64

- sign 1.171+/-0.000 χ^2/NDF : 4292459540.6/32

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: 408024.7/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 544337.7/18

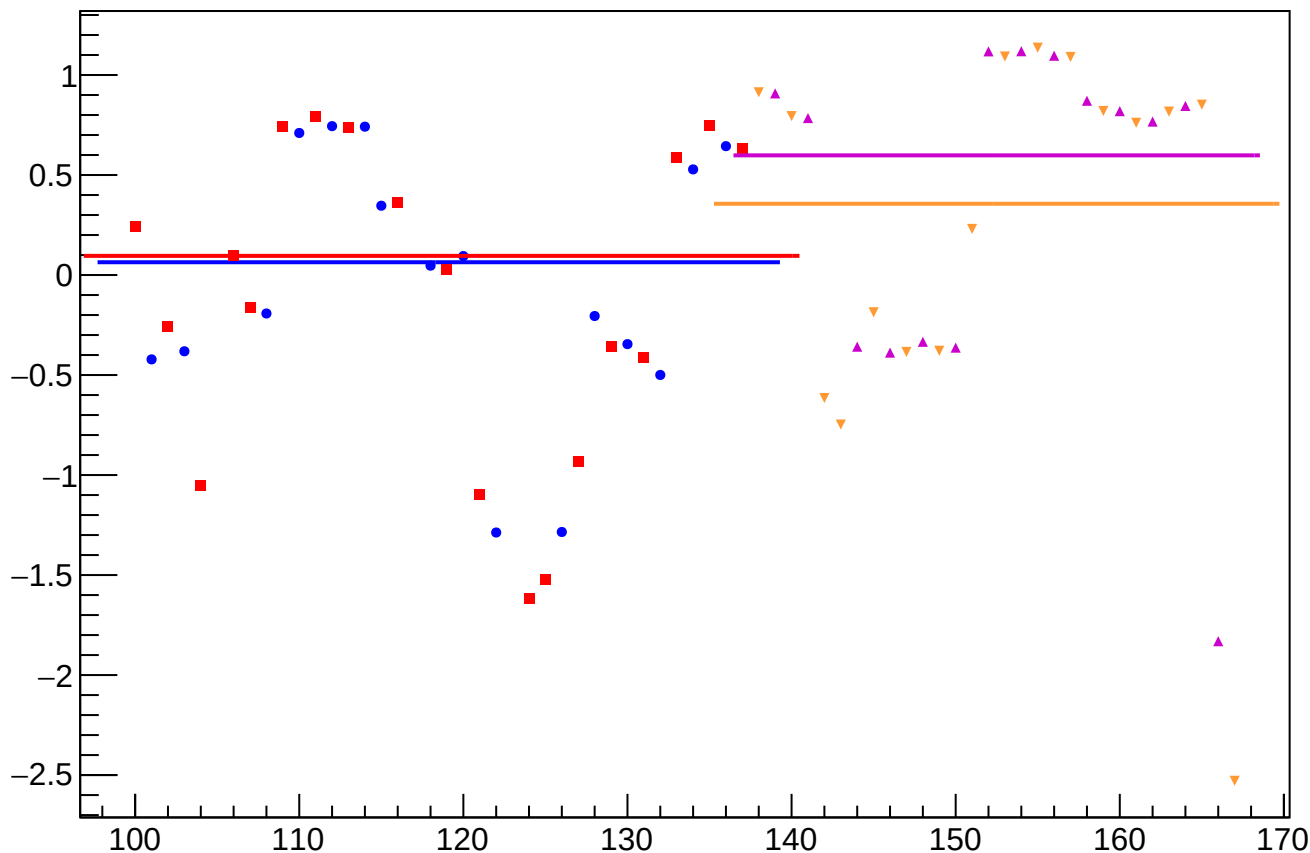
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 684660.4/13

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1018271.5/31

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2291648.6/64

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1260556.3/32

yield_bpm11Y_mean vs Slug



Right In: 0.064 $\pm$ 0.000 χ^2 /NDF: 11035911379.4/15

Left Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 66964309027.4/15

Right Out: 0.096 $\pm$ 0.000 χ^2 /NDF: 17784850774.3/18

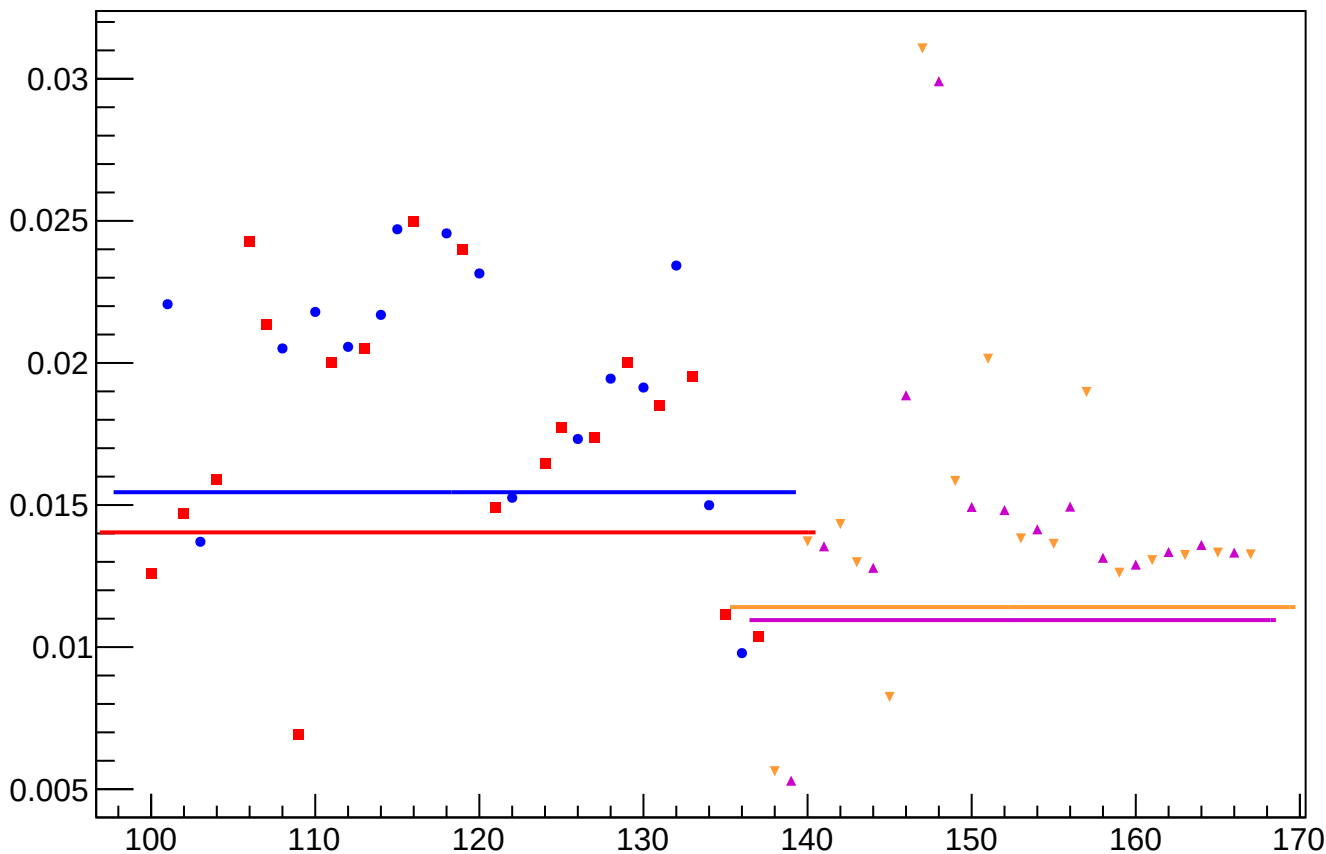
Left In: 0.598 $\pm$ 0.000 χ^2 /NDF: 36842725111.7/13

+ sign 0.286 $\pm$ 0.000 χ^2 /NDF: 79632301500.8/31

All: 0.373 $\pm$ 0.000 χ^2 /NDF: 141271048302.0

- sign 0.458 $\pm$ 0.000 χ^2 /NDF: 60062871896.7/32

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF : 3103192.2/15

Right Out: 0.014+/-0.000 χ^2/NDF : 1686554.4/18

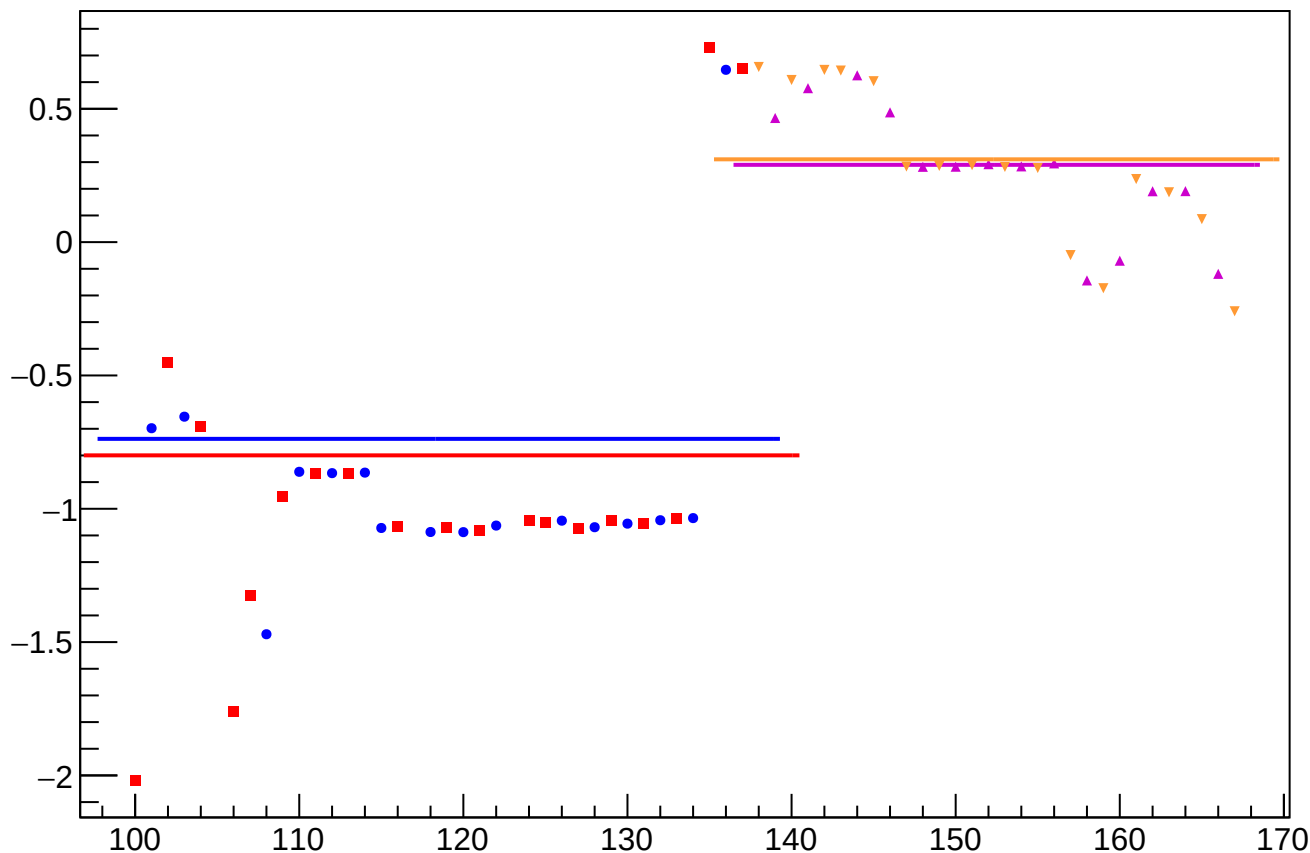
Left In: 0.011+/-0.000 χ^2/NDF : 3465811.3/13

+ sign 0.012+/-0.000 χ^2/NDF : 5020779.0/31

All: 0.012+/-0.000 χ^2/NDF : 10618258.8/64

- sign 0.012+/-0.000 χ^2/NDF : 5562651.8/32

yield_bpm12X_mean vs Slug



Right In: -0.738 ± 0.000 χ^2/NDF : 2072845802.4/15

Left Out: 0.311 ± 0.000 χ^2/NDF : 675728092.8/15

Right Out: -0.800 ± 0.000 χ^2/NDF : 1883862445.0/18

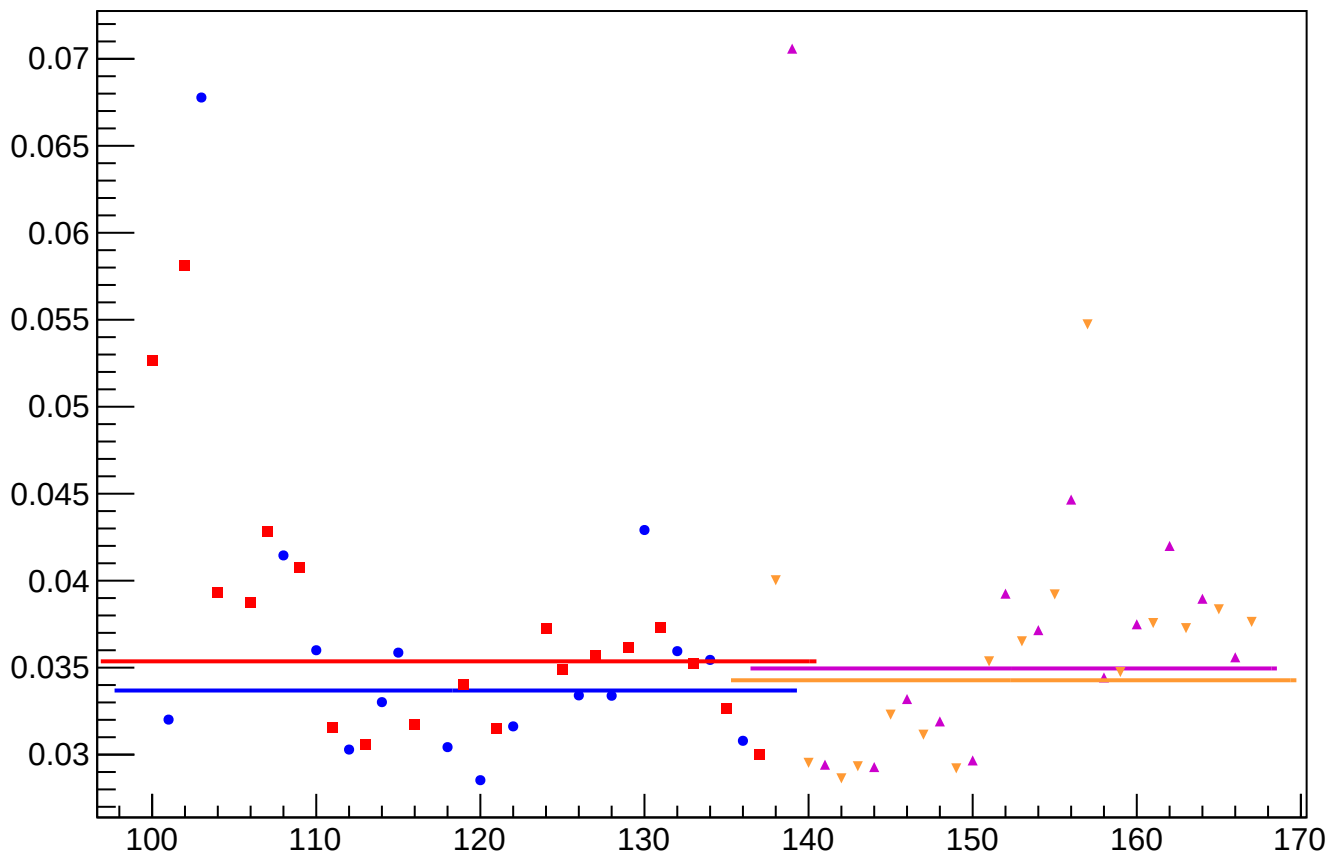
Left In: 0.290 ± 0.000 χ^2/NDF : 472686576.1/13

+ sign -0.086 ± 0.000 χ^2/NDF : 6545035962.5/31

All: -0.108 ± 0.000 χ^2/NDF : 12672889965.8/64

- sign -0.133 ± 0.000 χ^2/NDF : 6112206701.5/32

yield_bpm12X_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 420227.2/15

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF:448002.2/15

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 296353.9/18

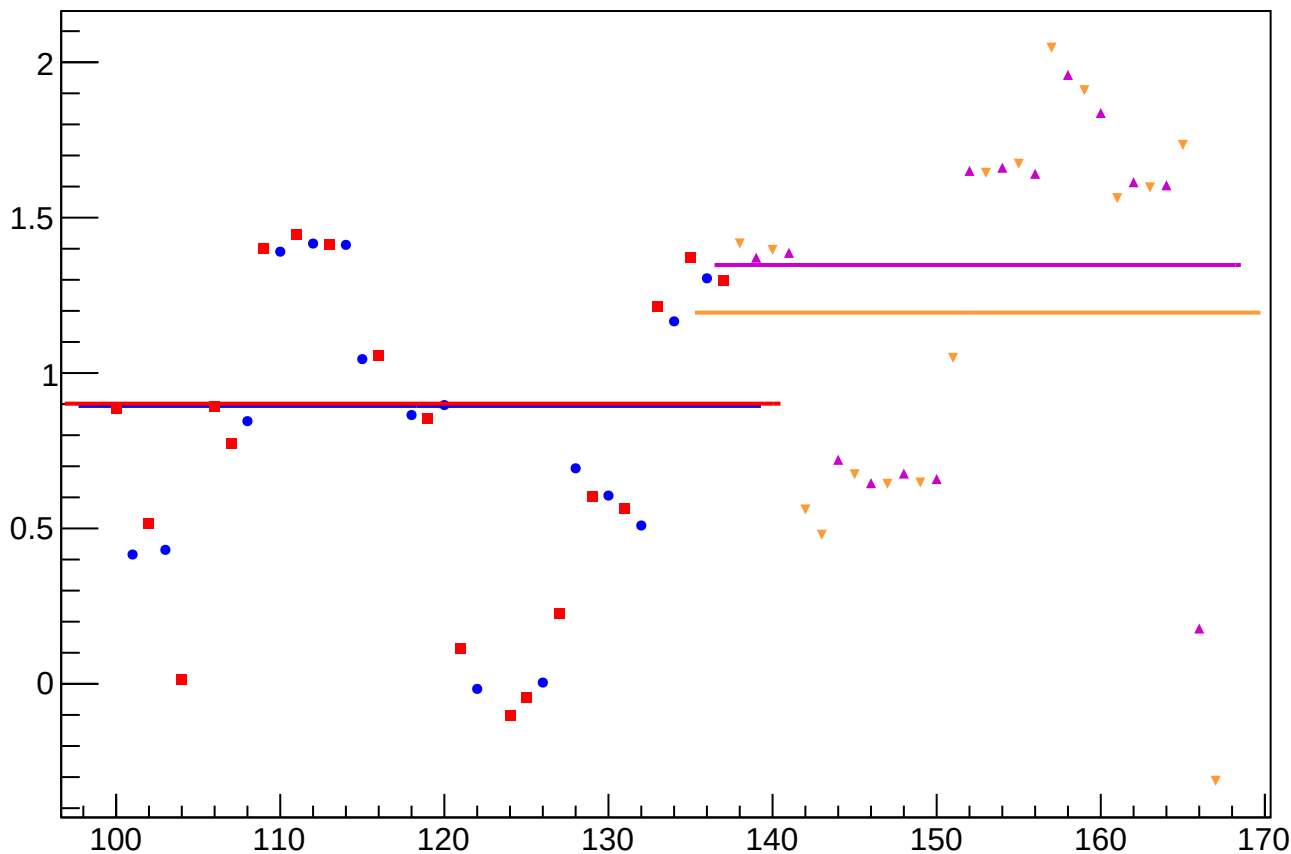
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:745279.1/13

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 870626.0/31

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1929031.2/64

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1042691.3/32

yield_bpm12Y_mean vs Slug



Right In: 0.894 $\pm$ 0.000 χ^2 /NDF: 12749707787.6/15

Left Out: 1.194 $\pm$ 0.000 χ^2 /NDF: 55562039820.0/15

Right Out: 0.902 $\pm$ 0.000 χ^2 /NDF: 17893051843.7/18

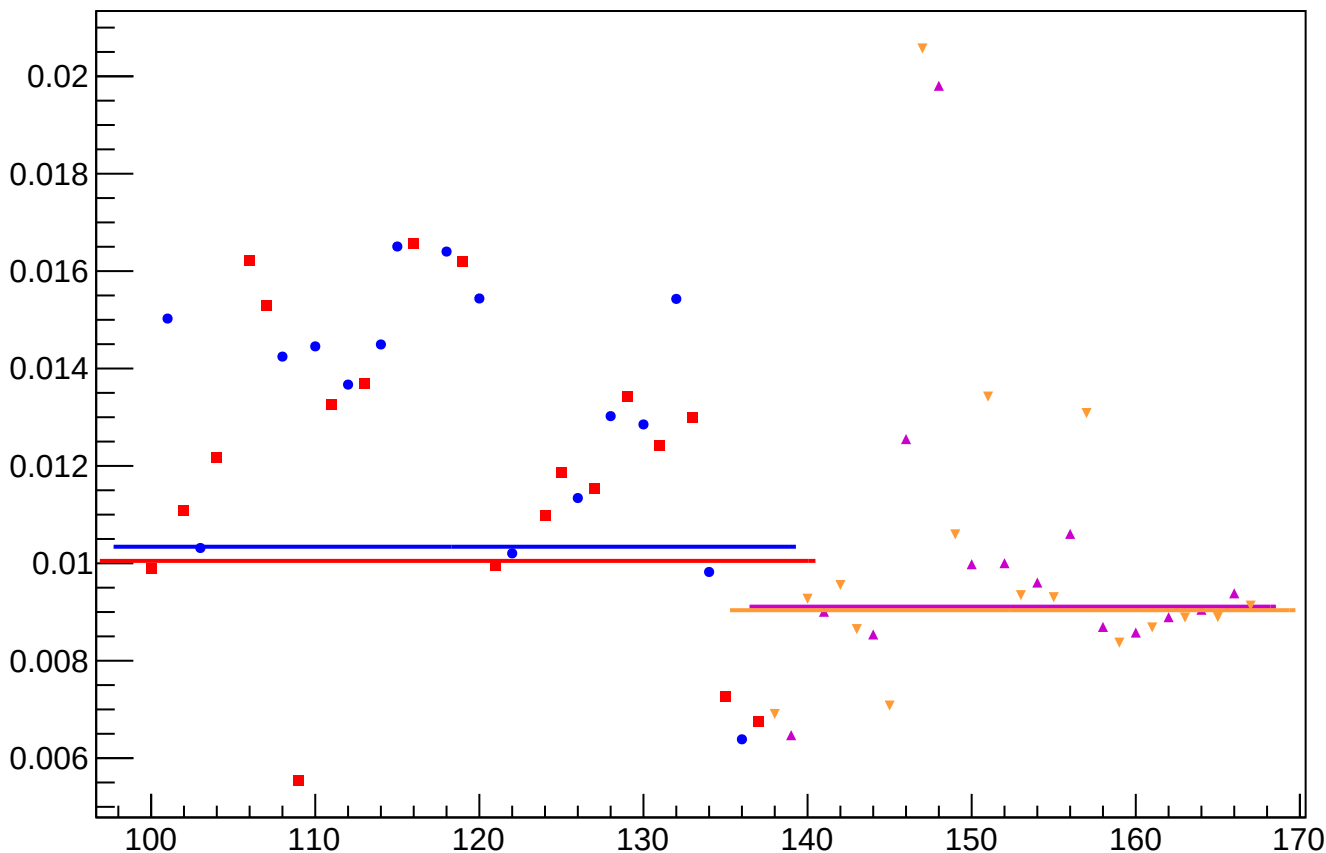
Left In: 1.348 $\pm$ 0.000 χ^2 /NDF: 30473802563.2/13

+ sign 1.109 $\pm$ 0.000 χ^2 /NDF: 71908573406.7/31

All: 1.155 $\pm$ 0.000 χ^2 /NDF: 129266717723.0

- sign 1.204 $\pm$ 0.000 χ^2 /NDF: 56498228539.1/32

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1350446.6/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1124010.3/15

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1336866.7/18

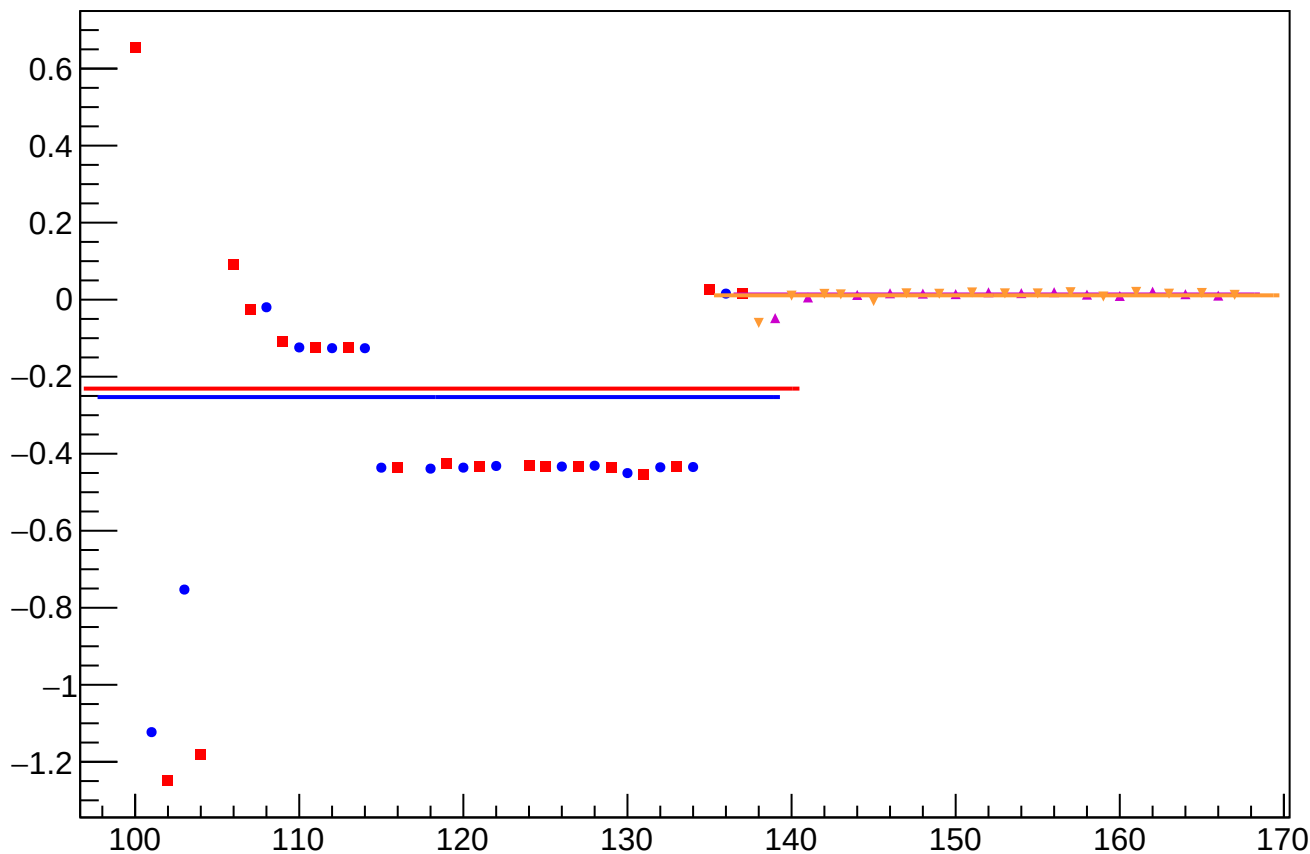
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 918883.7/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2610205.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4938085.5/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2327873.1/32

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 : 23090514.3/15

Right Out: -0.231 ± 0.000 χ^2/NDF : 1808702536.0/18

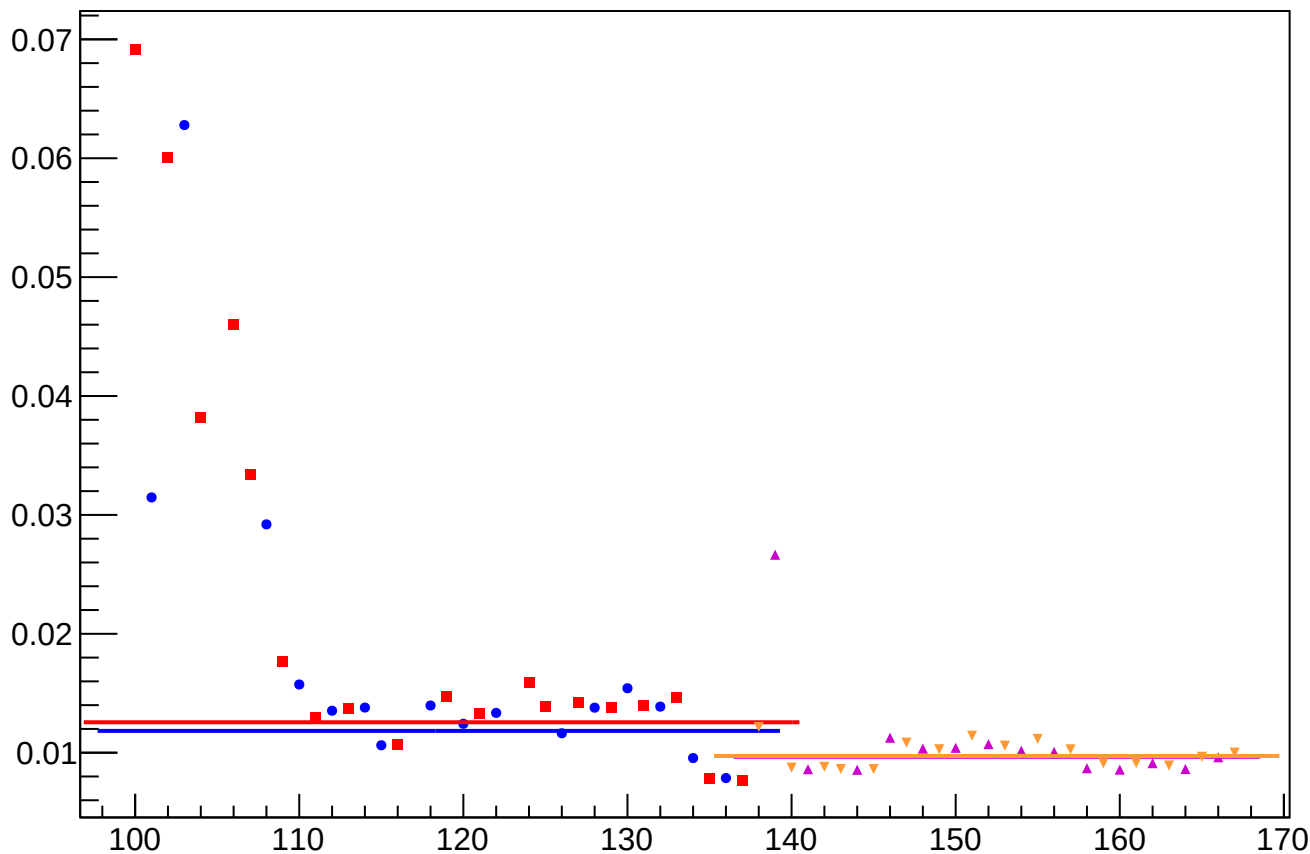
Left In: 0.014 ± 0.000 χ^2/NDF : 6251863.4/13

+ sign -0.053 ± 0.000 χ^2/NDF : 3924496792.6/31

All: -0.049 ± 0.000 χ^2/NDF : 7186970387.7/6

- sign -0.045 ± 0.000 χ^2/NDF : 3258091365.5/32

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:223287.6/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2217419.3/18

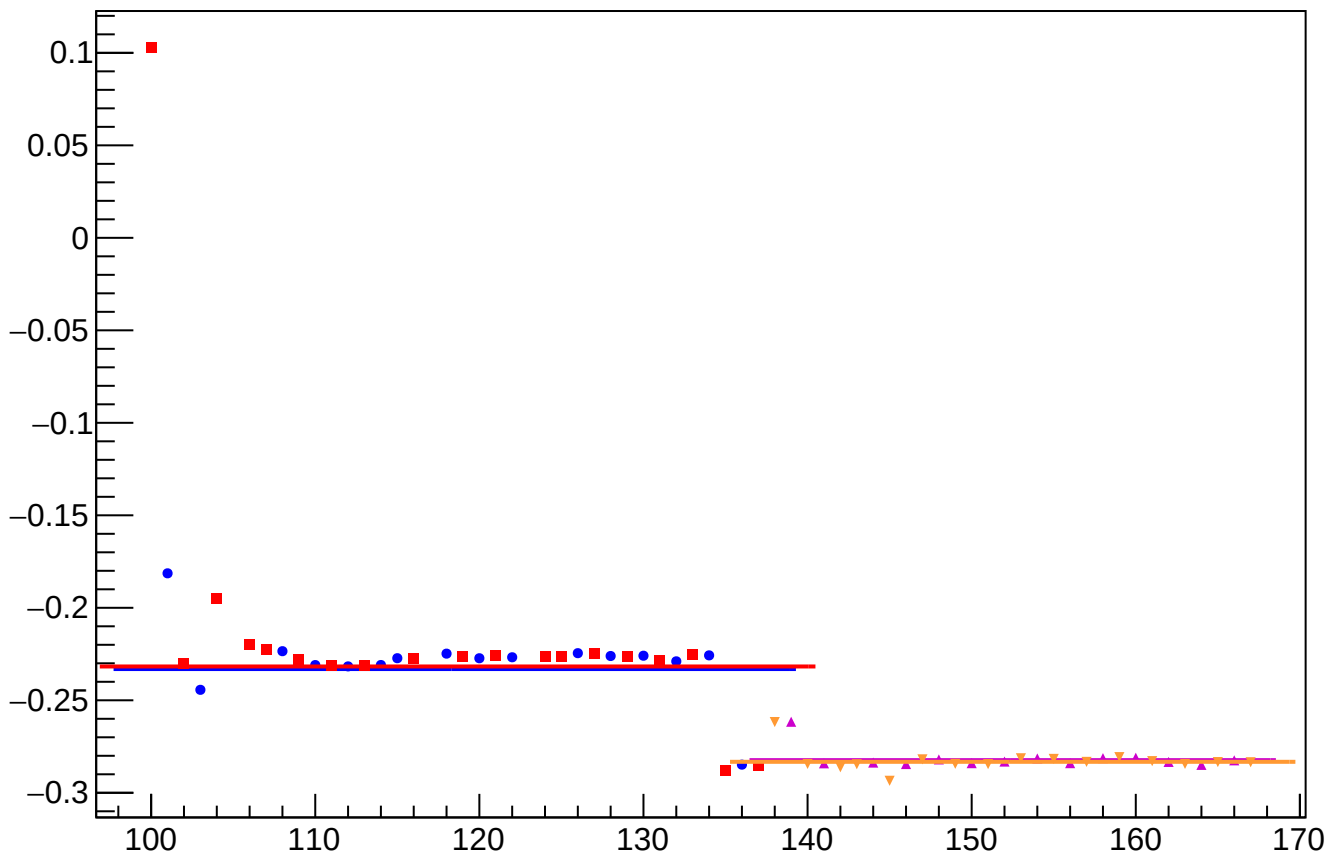
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:845448.1/13

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2405617.3/31

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5878451.7/64

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3471053.8/32

yield_bpm16Y_mean vs Slug



Right In: -0.233 ± 0.000 χ^2/NDF : 199059878.3/15

Left Out: -0.283 ± 0.000 χ^2/NDF : 15016093.4/15

+ sign -0.264 ± 0.000 χ^2/NDF : 655976660.0/31

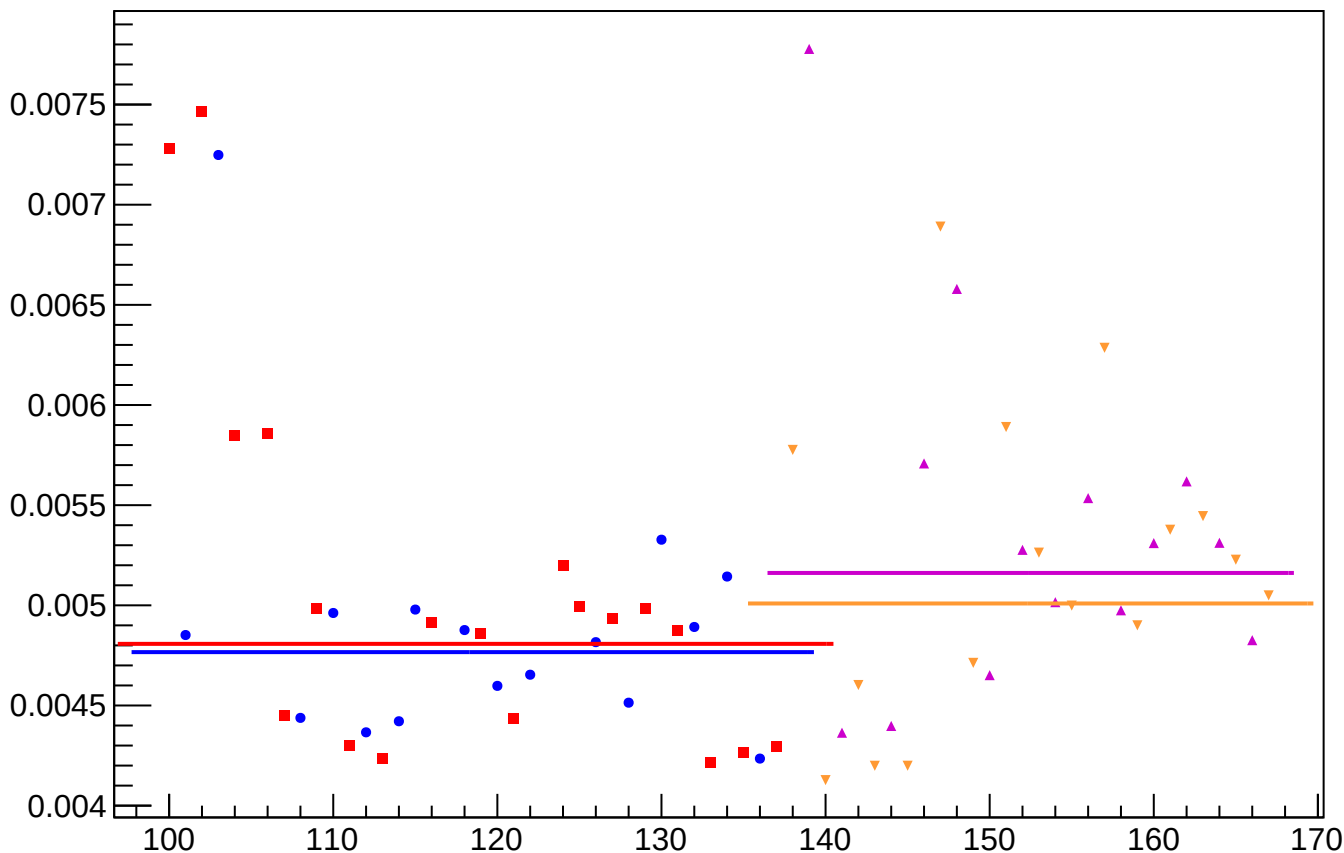
Right Out: -0.232 ± 0.000 χ^2/NDF : 287244778.7/18

All: -0.263 ± 0.000 χ^2/NDF : 1384968931.7/6

- sign -0.261 ± 0.000 χ^2/NDF : 725584260.6/32

Left In: -0.282 ± 0.000 χ^2/NDF : 6480135.0/13

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 : 453218.0/15

Right Out: 0.005+/-0.000 χ^2/NDF : 293738.0/18

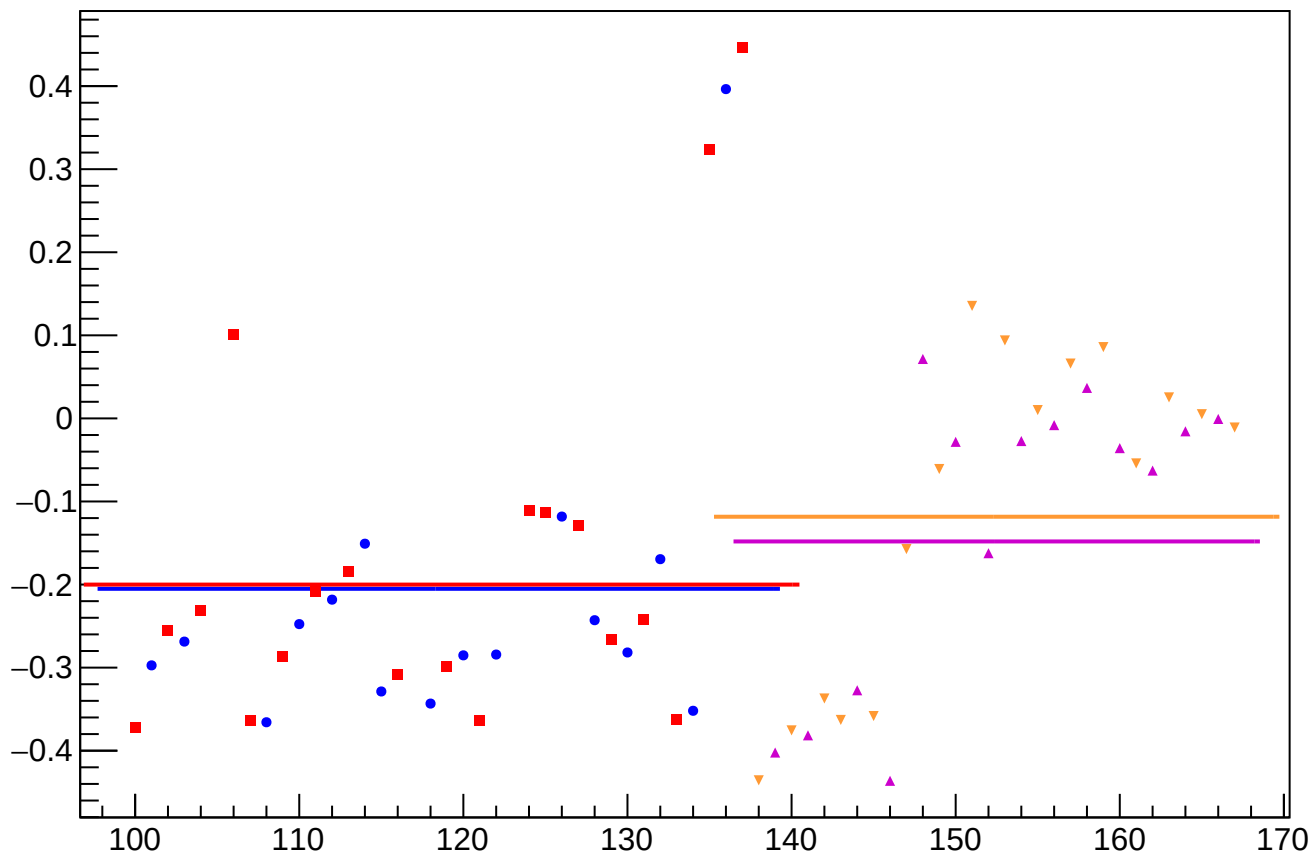
Left In: 0.005+/-0.000 χ^2/NDF : 423633.3/13

+ sign 0.005+/-0.000 χ^2/NDF : 665704.5/31

All: 0.005+/-0.000 χ^2/NDF : 1431945.7/64

- sign 0.005+/-0.000 χ^2/NDF : 759591.8/32

yield_bpm0i02X_mean vs Slug



Right In: -0.205 ± 0.000 χ^2/NDF : 6189271855.3/15

Left Out: -0.118 ± 0.000 χ^2/NDF : 15083258668.6/15

Right Out: -0.200 ± 0.000 χ^2/NDF : 5249978819.5/18

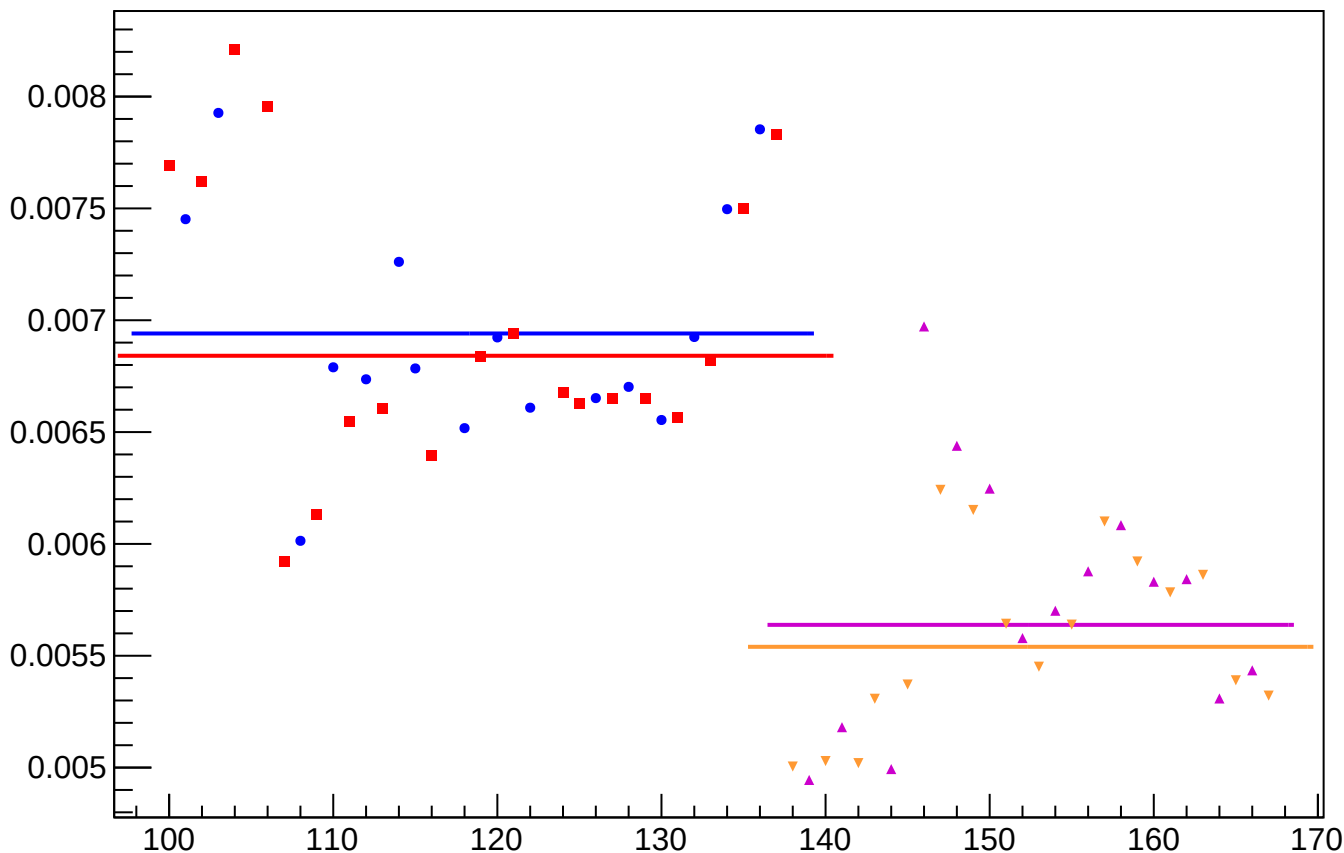
Left In: -0.148 ± 0.000 χ^2/NDF : 10165926431.5/13

+ sign -0.142 ± 0.000 χ^2/NDF : 22068311070.5/31

All: -0.153 ± 0.000 χ^2/NDF : 37893939187.1/32

- sign -0.165 ± 0.000 χ^2/NDF : 15700307332.7/32

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF :112458.9/15

Right Out: 0.007+/-0.000 χ^2/NDF : 99819.4/18

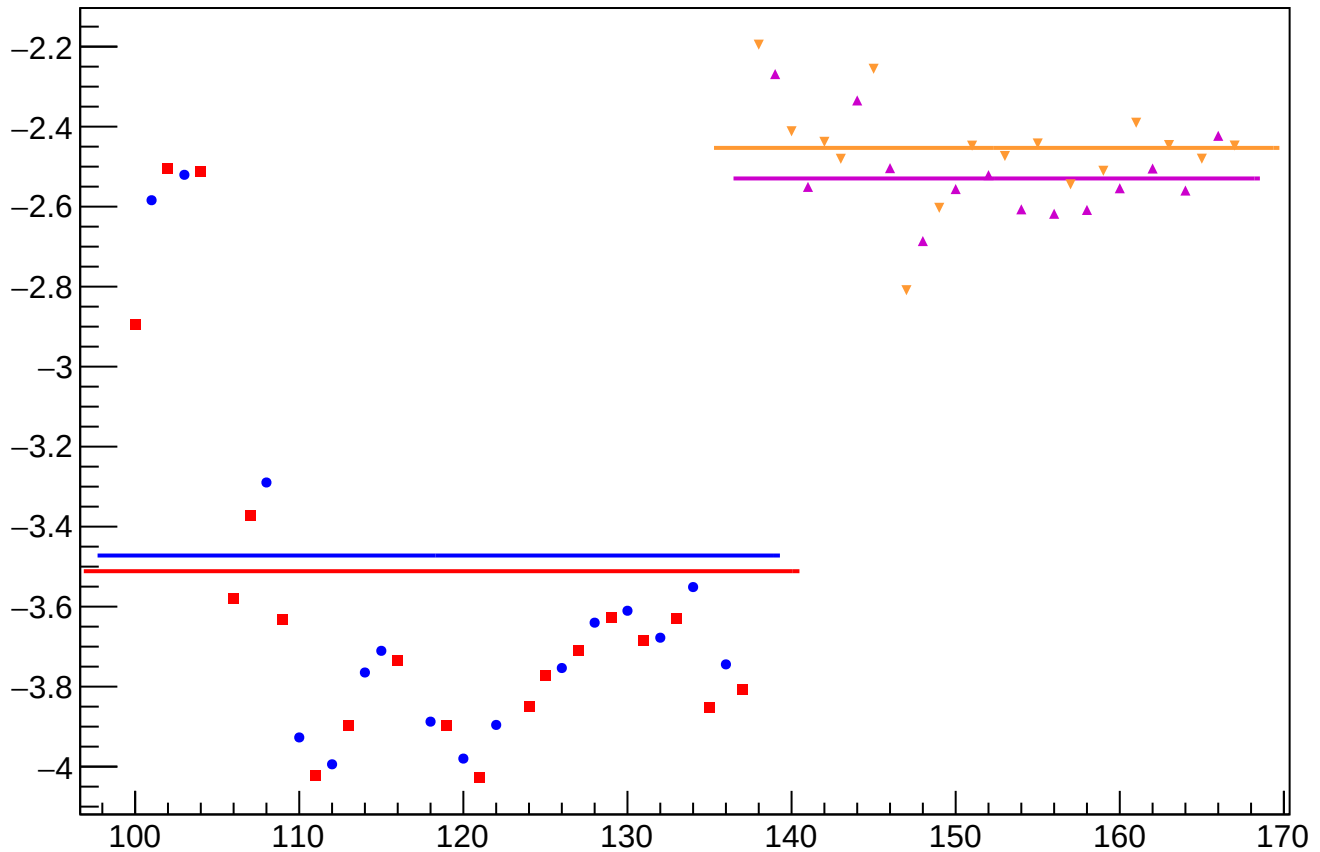
Left In: 0.006+/-0.000 χ^2/NDF :185158.6/13

+ sign 0.006+/-0.000 χ^2/NDF : 612583.5/31

All: 0.006+/-0.000 χ^2/NDF : 1207072.0/64

- sign 0.006+/-0.000 χ^2/NDF : 590224.1/32

yield_bpm0i02Y_mean vs Slug



Right In: -3.472+/-0.000 χ^2/NDF : 29592353445.4/15

Left Out: -2.453+/-0.000 χ^2/NDF : 1630804982.5/15

Right Out: -3.511+/-0.000 χ^2/NDF : 29716501733.6/18

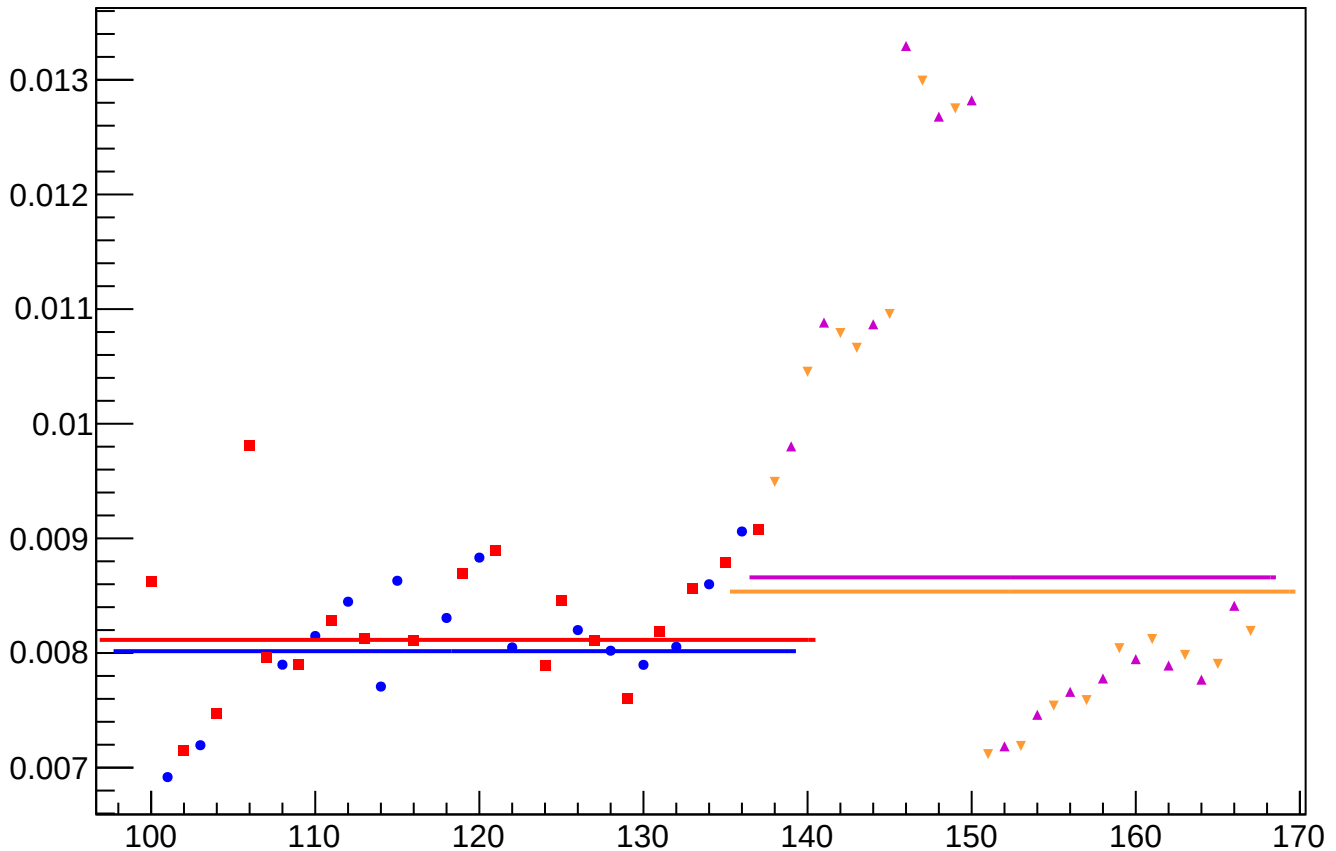
Left In: -2.530+/-0.000 χ^2/NDF : 1390539276.2/13

+ sign -2.869+/-0.000 χ^2/NDF : 98051764707.3/31

All: -2.912+/-0.000 χ^2/NDF : 188802234400.9

- sign -2.959+/-0.000 χ^2/NDF : 89717578439.1/32

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF : 746322.8/15

Right Out: 0.008+/-0.000 χ^2/NDF : 71067.5/18

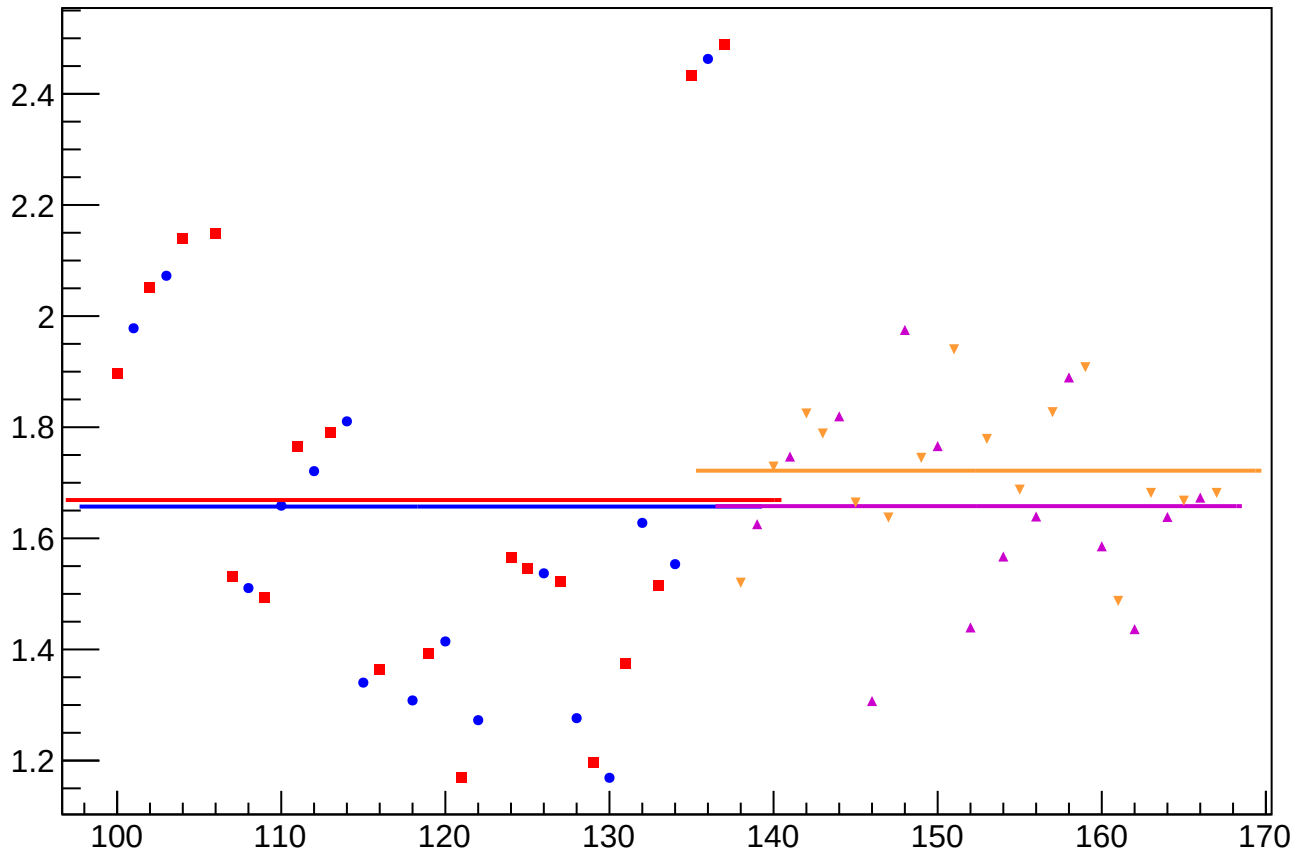
Left In: 0.009+/-0.000 χ^2/NDF : 845539.8/13

+ sign 0.008+/-0.000 χ^2/NDF : 867315.9/31

All: 0.008+/-0.000 χ^2/NDF : 1822514.3/64

- sign 0.008+/-0.000 χ^2/NDF : 952746.5/32

yield_bpm0i02aX_mean vs Slug



Right In: 1.657 $\pm$ 0.000 χ^2 /NDF: 6666154117.3/15

Left Out: 1.722 $\pm$ 0.000 χ^2 /NDF: 1314618229.5/15

Right Out: 1.669 $\pm$ 0.000 χ^2 /NDF: 6357589265.5/18

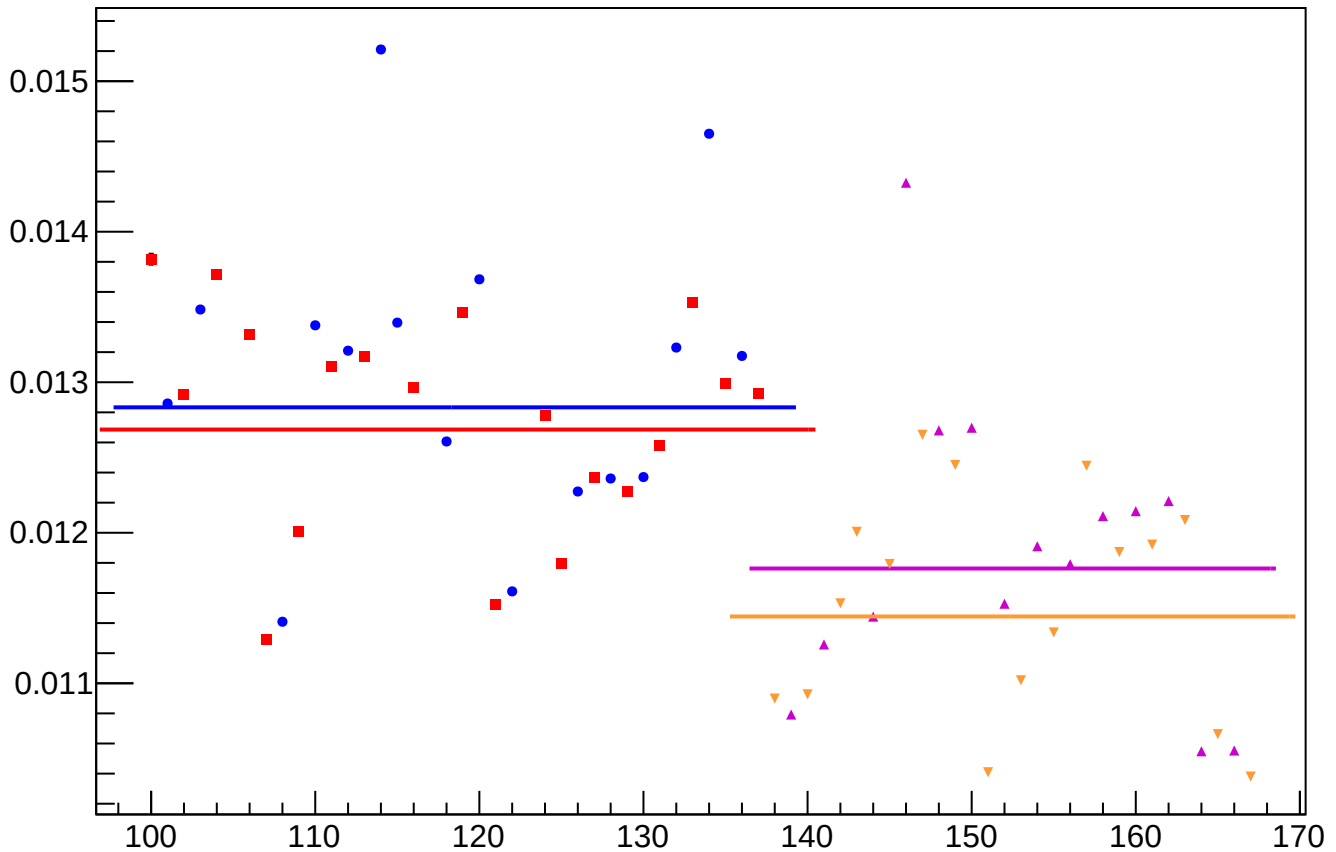
Left In: 1.658 $\pm$ 0.000 χ^2 /NDF: 2137572414.5/13

+ sign 1.701 $\pm$ 0.000 χ^2 /NDF: 8101760931.5/31

All: 1.682 $\pm$ 0.000 χ^2 /NDF: 16698038062.0/6

- sign 1.662 $\pm$ 0.000 χ^2 /NDF: 8498580089.2/32

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 :95450.2/15

Right Out: 0.013+/-0.000 χ^2/NDF : 43279.9/18

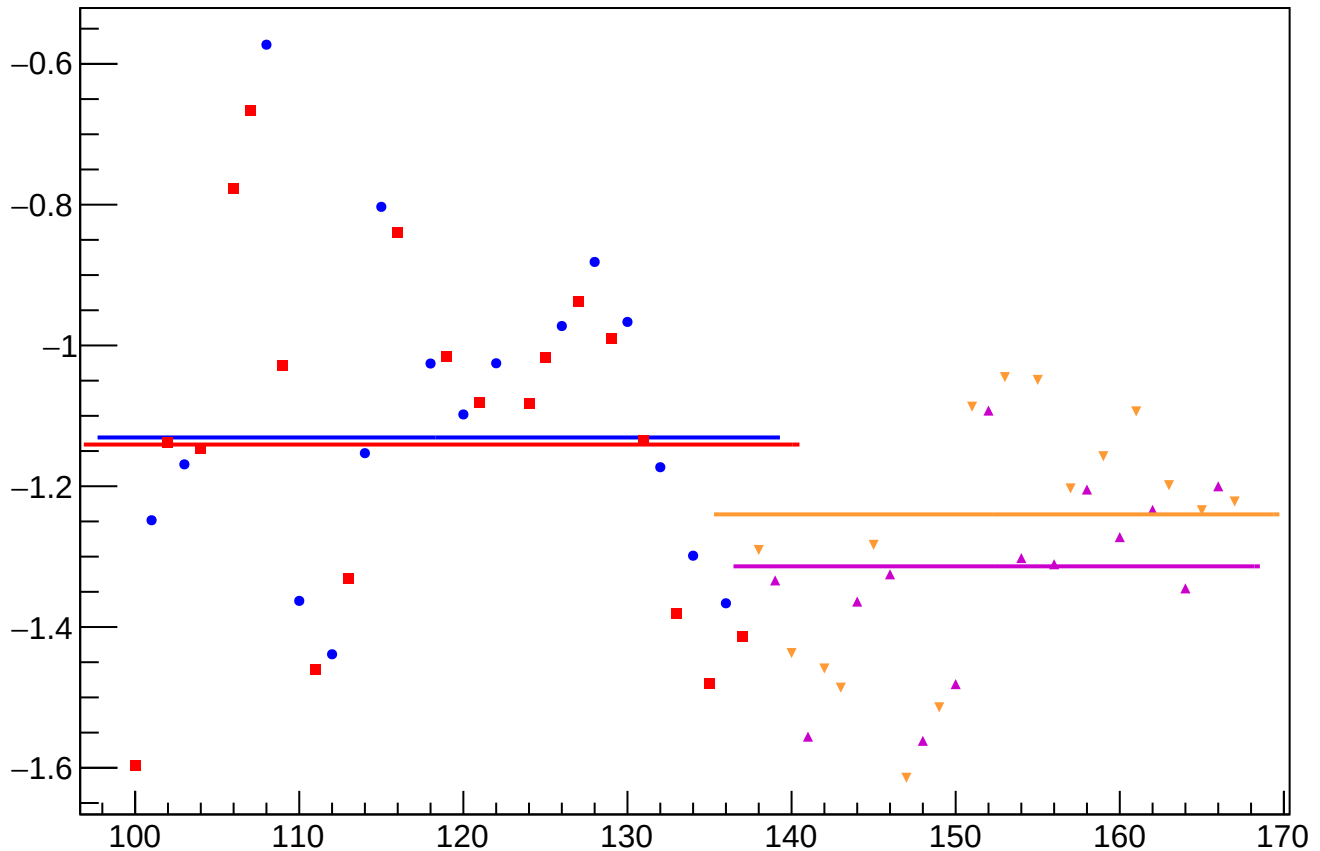
Left In: 0.012+/-0.000 χ^2/NDF :120958.0/13

+ sign 0.012+/-0.000 χ^2/NDF : 259879.0/31

All: 0.012+/-0.000 χ^2/NDF : 478286.7/64

- sign 0.012+/-0.000 χ^2/NDF : 212623.3/32

yield_bpm0i02aY_mean vs Slug



Right In: -1.131+/-0.000 χ^2/NDF : 3790121991.7/15

Left Out: -1.240+/-0.000 χ^2/NDF : 4379605424.1/15

Right Out: -1.141+/-0.000 χ^2/NDF : 3544012262.4/18

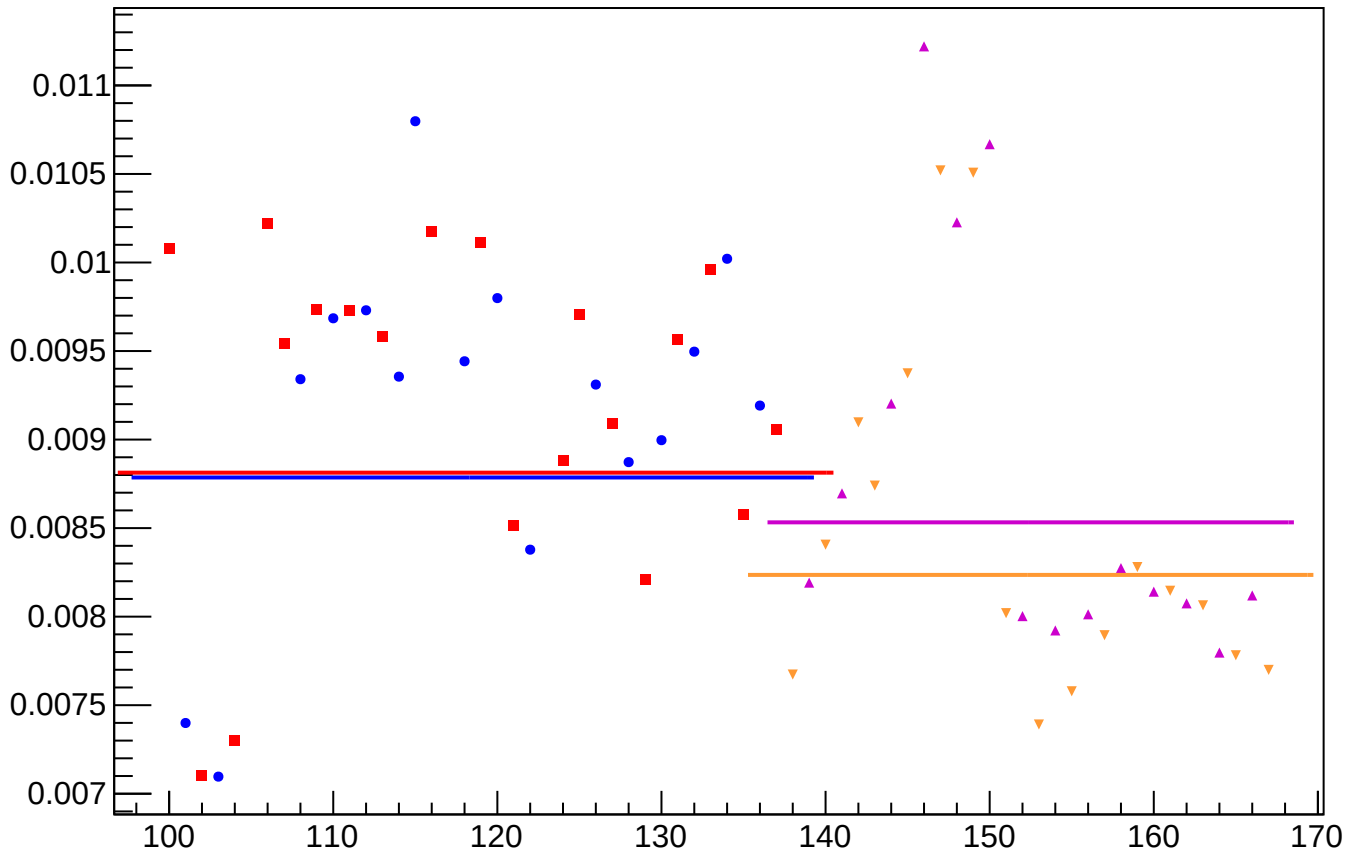
Left In: -1.314+/-0.000 χ^2/NDF : 2263750811.7/13

+ sign -1.203+/-0.000 χ^2/NDF : 8866246564.6/31

All: -1.224+/-0.000 χ^2/NDF : 16584754759.3/32

- sign -1.248+/-0.000 χ^2/NDF : 7464755693.5/32

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 173477.6/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:220702.1/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 204443.3/18

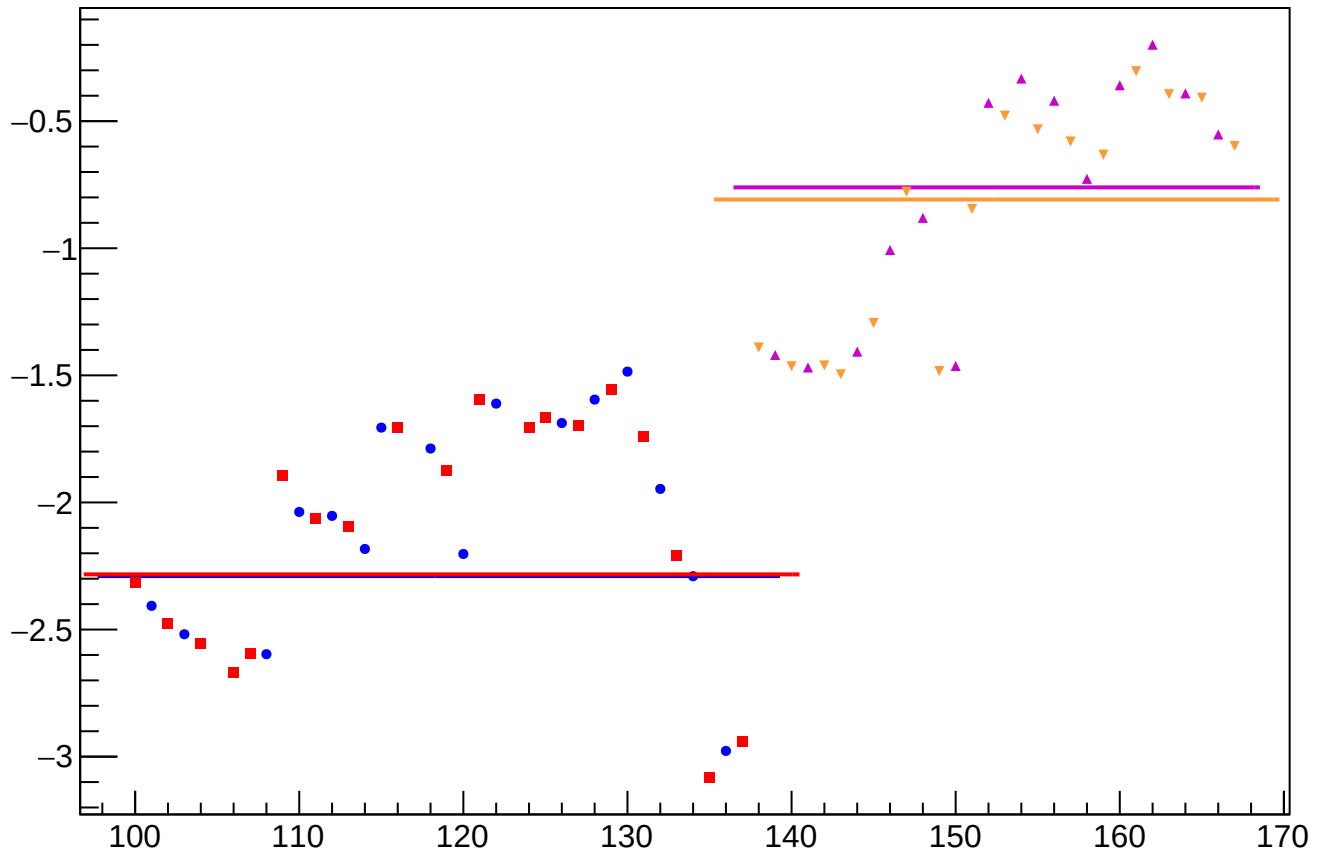
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:240001.7/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 429503.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 894082.5/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 453161.4/32

yield_bpm0i05X_mean vs Slug



Right In: -2.290 $\pm$ 0.000 χ^2 /NDF: 15222817978.4/15

Left Out: -0.808 $\pm$ 0.000 χ^2 /NDF: 32352573413.0/15

Right Out: -2.283 $\pm$ 0.000 χ^2 /NDF: 17032219519.1/18

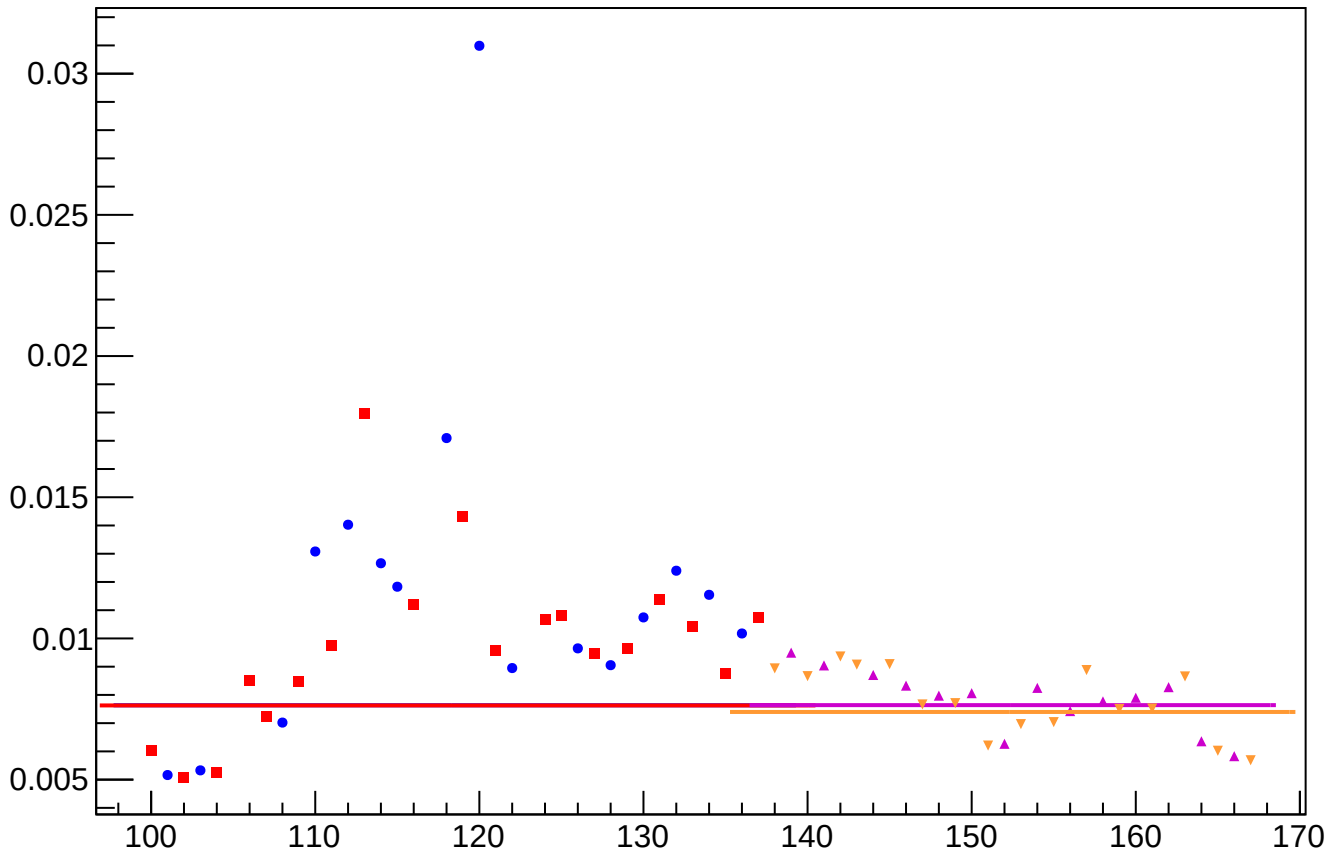
Left In: -0.760 $\pm$ 0.000 χ^2 /NDF: 32474194716.1/13

+ sign -1.269 $\pm$ 0.000 χ^2 /NDF: 179532513430.3/31

All: -1.291 $\pm$ 0.000 χ^2 /NDF: 369842010431.1

- sign -1.314 $\pm$ 0.000 χ^2 /NDF: 190031624283.6/32

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1710797.2/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:534096.8/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1317740.1/18

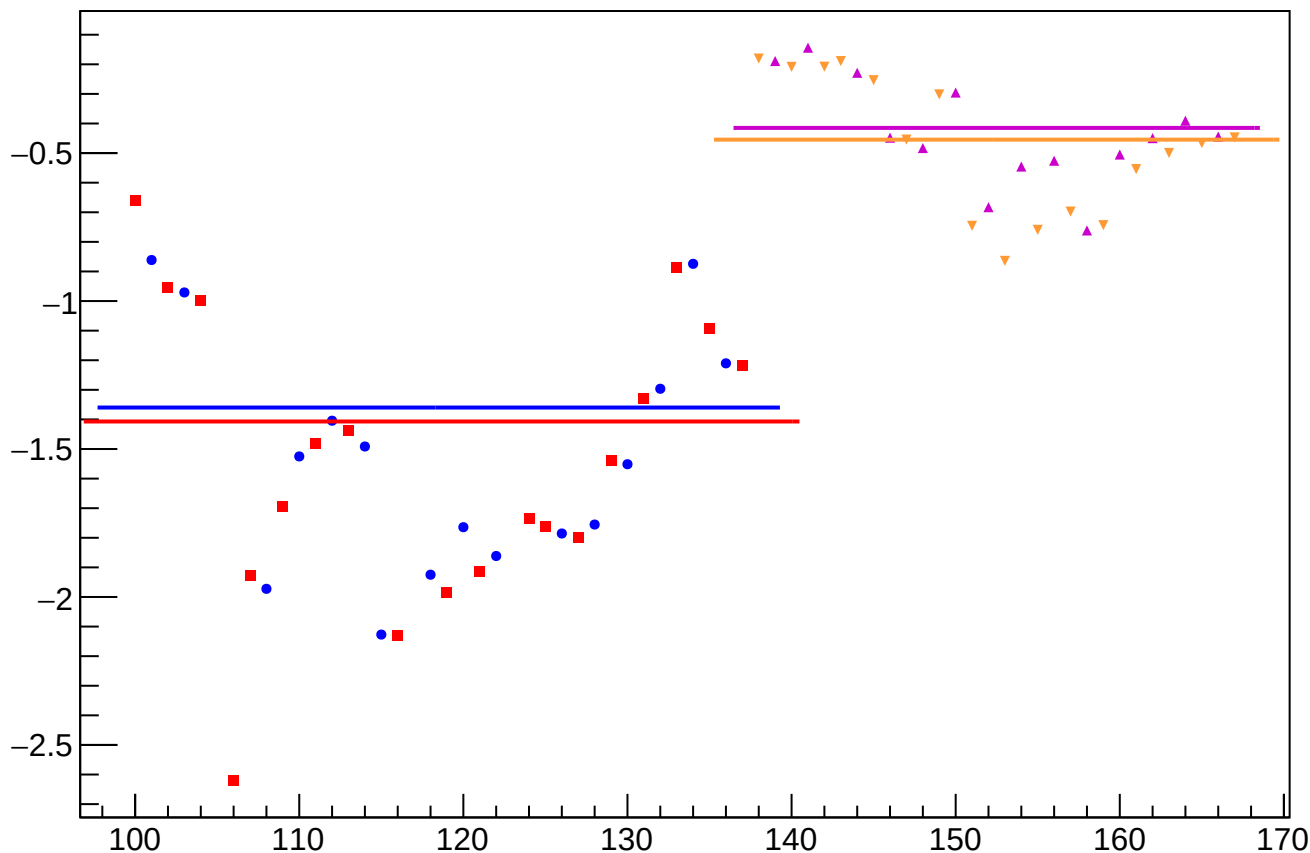
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:376633.9/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2251614.0/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3953322.1/64

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1694387.7/32

yield_bpm0i05Y_mean vs Slug



Right In: -1.360+/-0.000 χ^2/NDF : 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF : 27896143681.1/15

Right Out: -1.407+/-0.000 χ^2/NDF : 29835610413.0/18

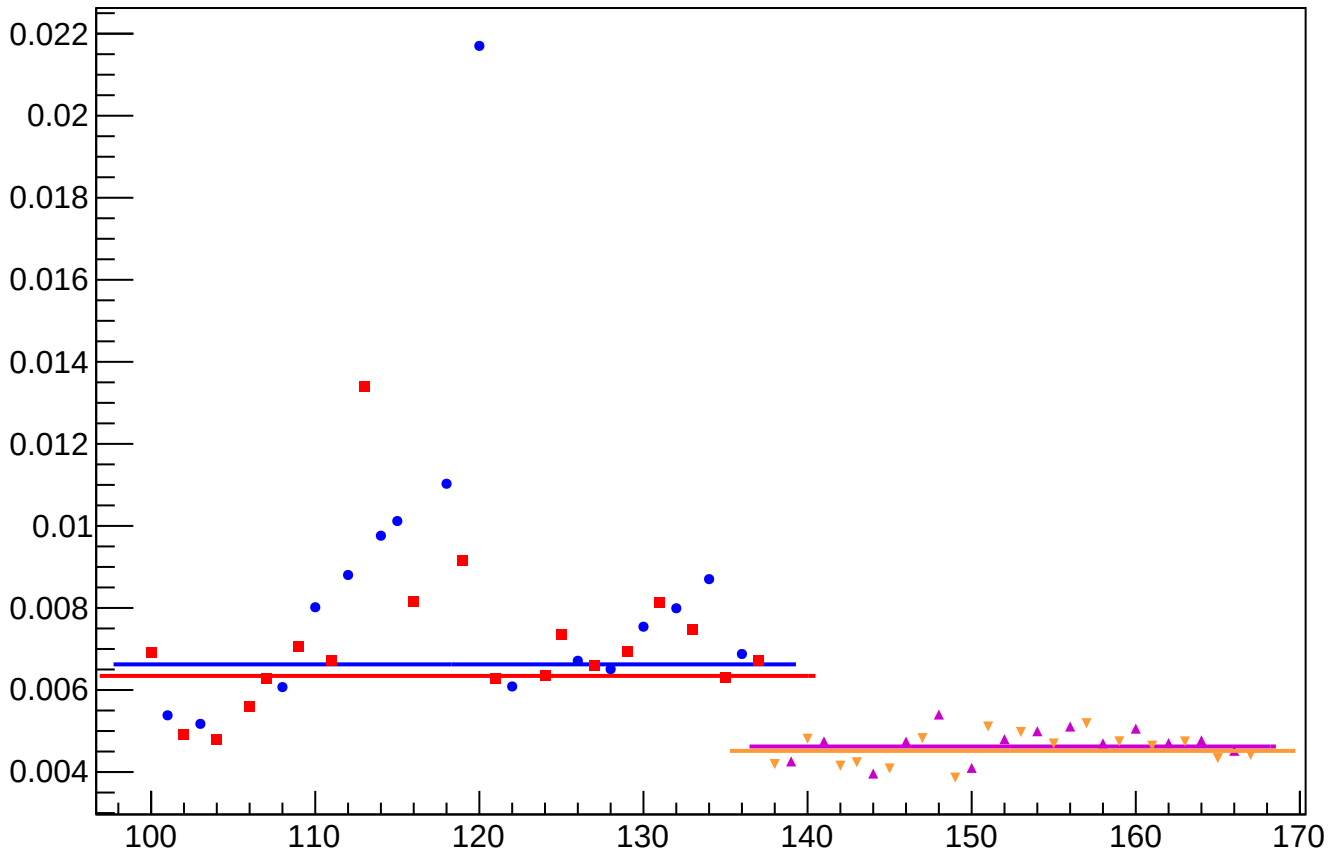
Left In: -0.415+/-0.000 χ^2/NDF : 15521693753.4/13

+ sign -0.629+/-0.000 χ^2/NDF : 136628706637.2/31

All: -0.641+/-0.000 χ^2/NDF : 295758575540.6

- sign -0.654+/-0.000 χ^2/NDF : 158924488844.9/32

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF :157853.2/15

Right Out: 0.006+/-0.000 χ^2/NDF : 529170.9/18

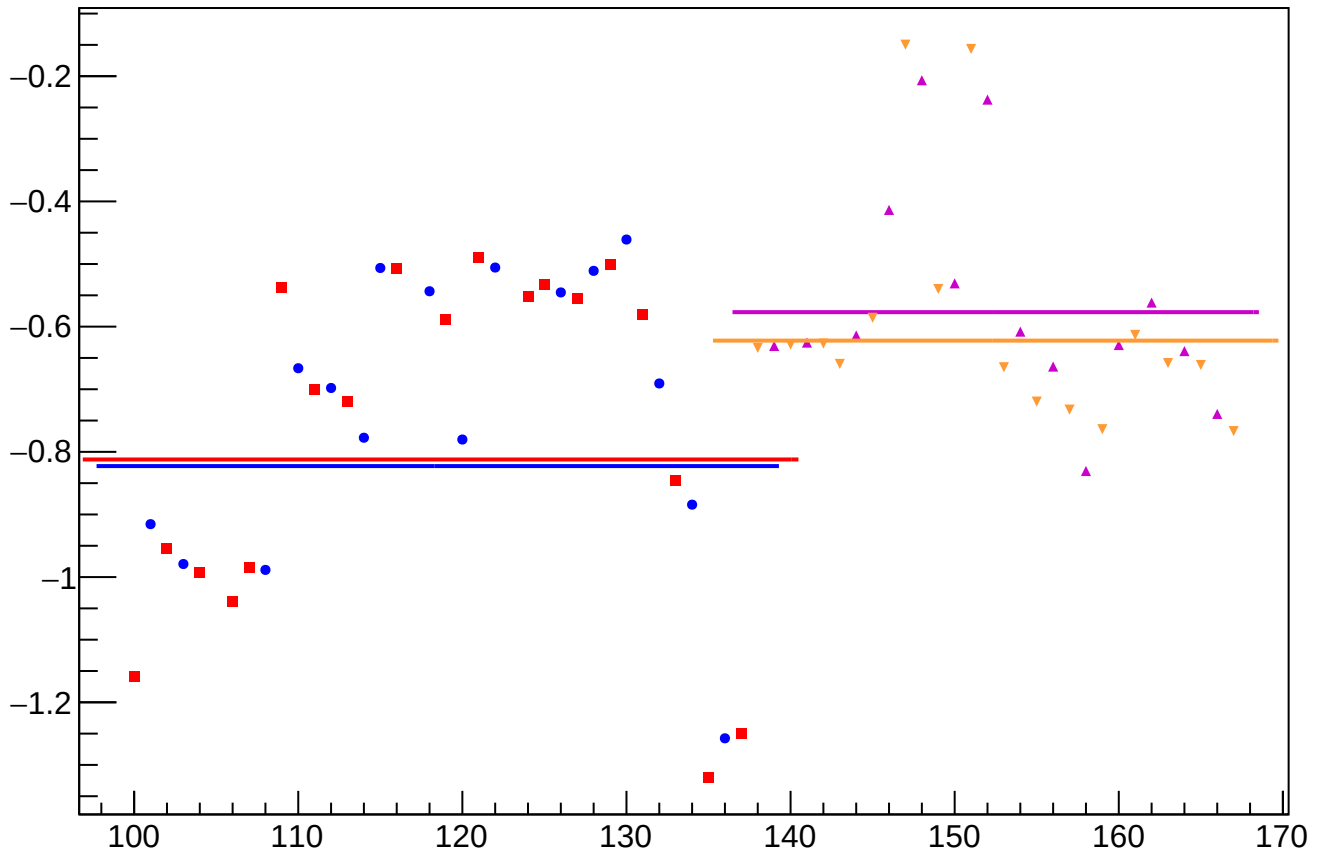
Left In: 0.005+/-0.000 χ^2/NDF :149537.6/13

+ sign 0.005+/-0.000 χ^2/NDF : 1798919.5/31

All: 0.005+/-0.000 χ^2/NDF : 3169751.8/64

- sign 0.005+/-0.000 χ^2/NDF : 1362126.8/32

yield_bpm0i07X_mean vs Slug



Right In: -0.823 ± 0.000 χ^2/NDF : 12226599844.5/15

Left Out: -0.622 ± 0.000 χ^2/NDF : 16145928921.2/15

Right Out: -0.812 ± 0.000 χ^2/NDF : 14825441332.4/18

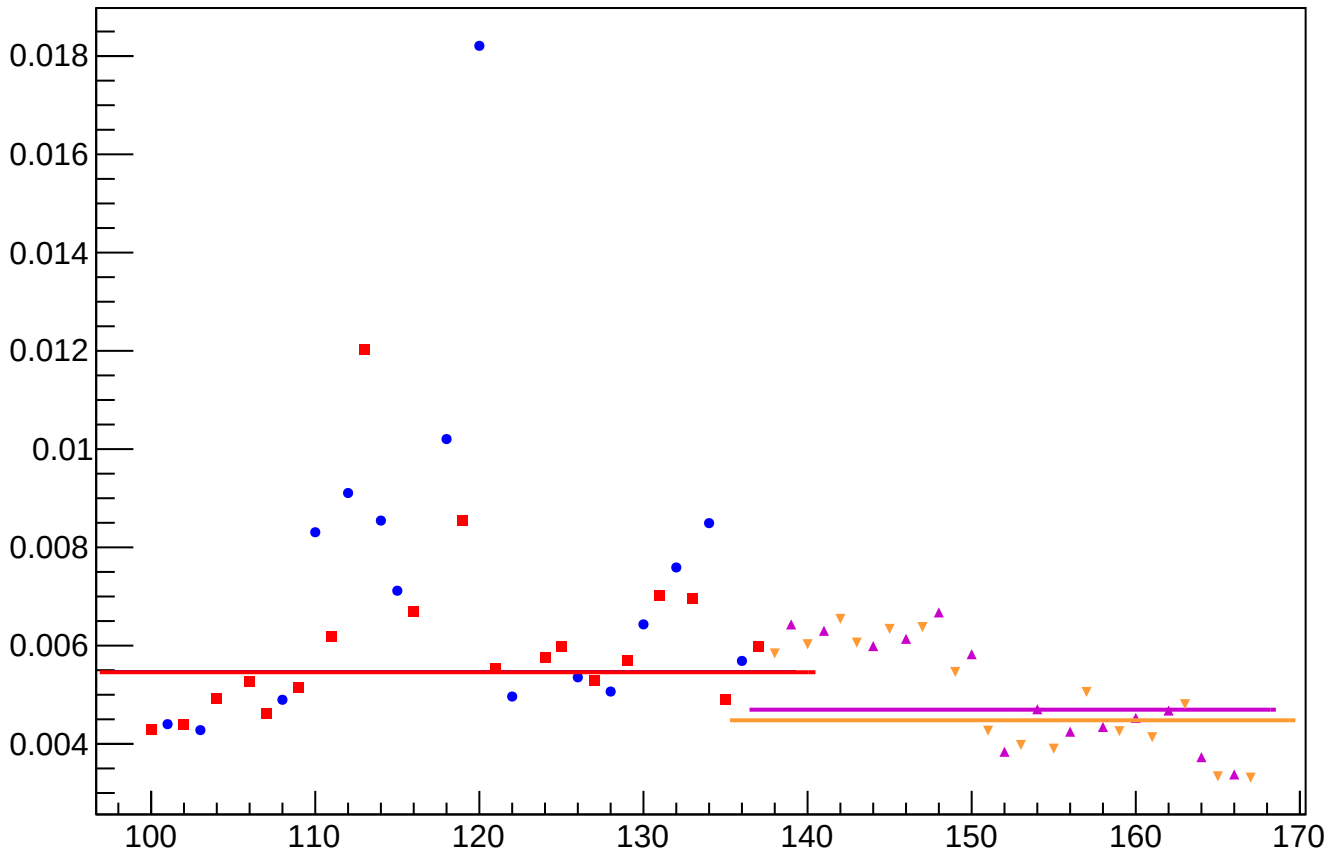
Left In: -0.577 ± 0.000 χ^2/NDF : 13743376811.3/13

+ sign -0.675 ± 0.000 χ^2/NDF : 33850990338.7/31

All: -0.663 ± 0.000 χ^2/NDF : 70255735305.0/32

- sign -0.651 ± 0.000 χ^2/NDF : 36216186068.7/32

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF :1065294.1/15

Right Out: 0.005+/-0.000 χ^2/NDF : 507792.7/18

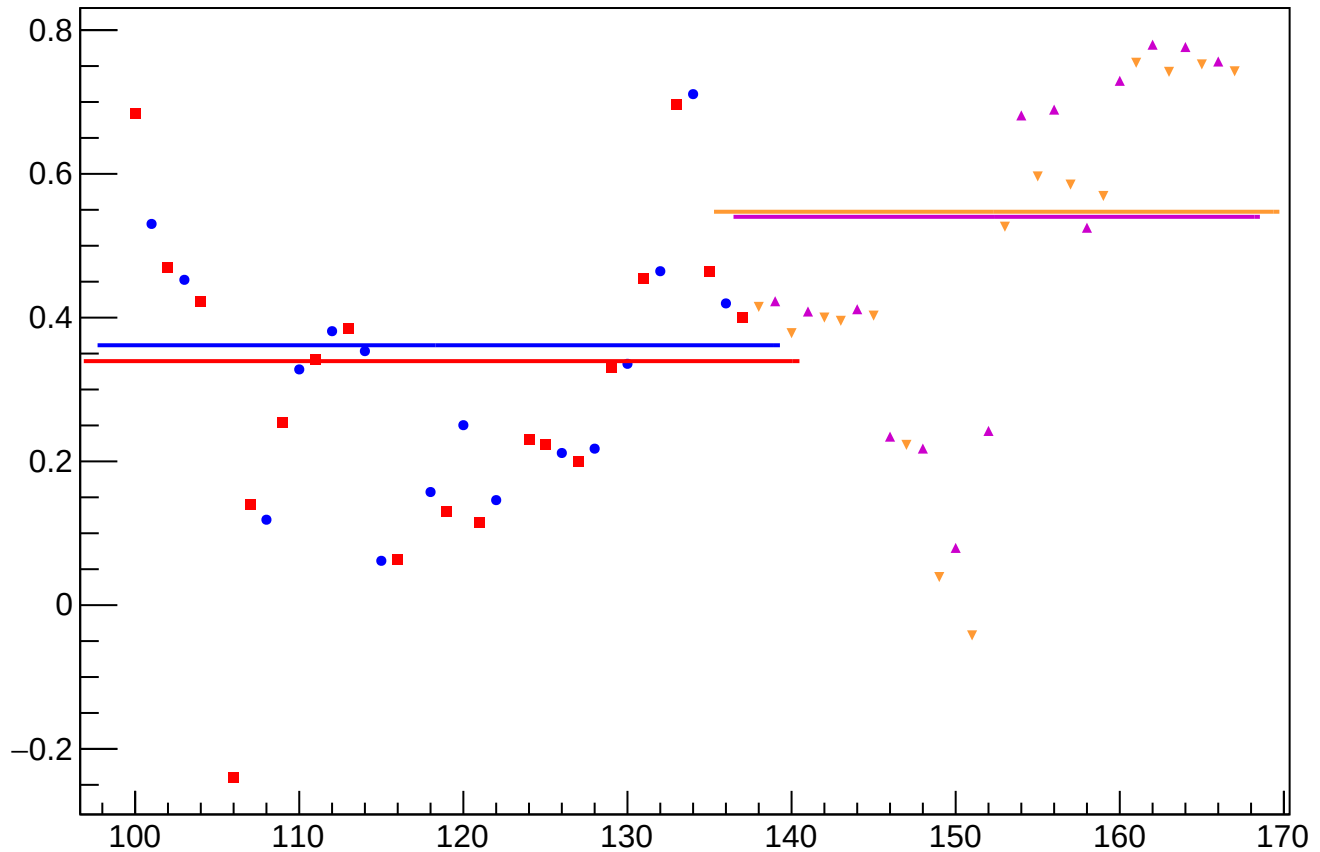
Left In: 0.005+/-0.000 χ^2/NDF :909793.6/13

+ sign 0.005+/-0.000 χ^2/NDF : 2290404.3/31

All: 0.005+/-0.000 χ^2/NDF : 3895180.3/64

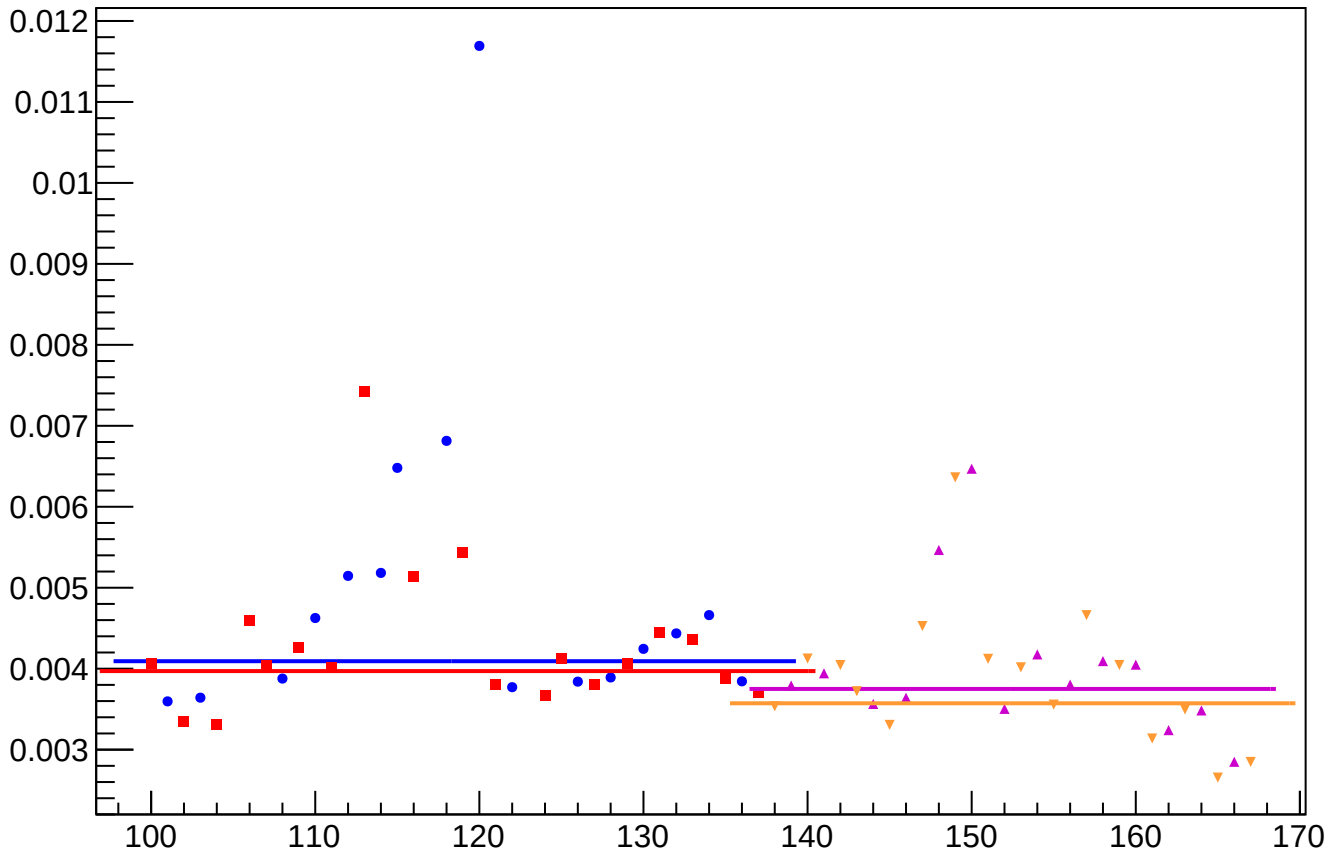
- sign 0.005+/-0.000 χ^2/NDF : 1578175.6/32

yield_bpm0i07Y_mean vs Slug



Right In: 0.362+/-0.000	χ^2/NDF : 8775952187.9/15	+ sign 0.487+/-0.000	χ^2/NDF : 54903977460.8/31
Left Out: 0.547+/-0.000	χ^2/NDF : 37583202816.3/15	All: 0.475+/-0.000	χ^2/NDF : 108323254378.6
Right Out: 0.339+/-0.000	χ^2/NDF : 12071802789.9/18	- sign 0.462+/-0.000	χ^2/NDF : 53070388034.2/32
Left In: 0.540+/-0.000	χ^2/NDF : 30997744125.7/13		

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 491748.3/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 738635.1/15

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 313701.1/18

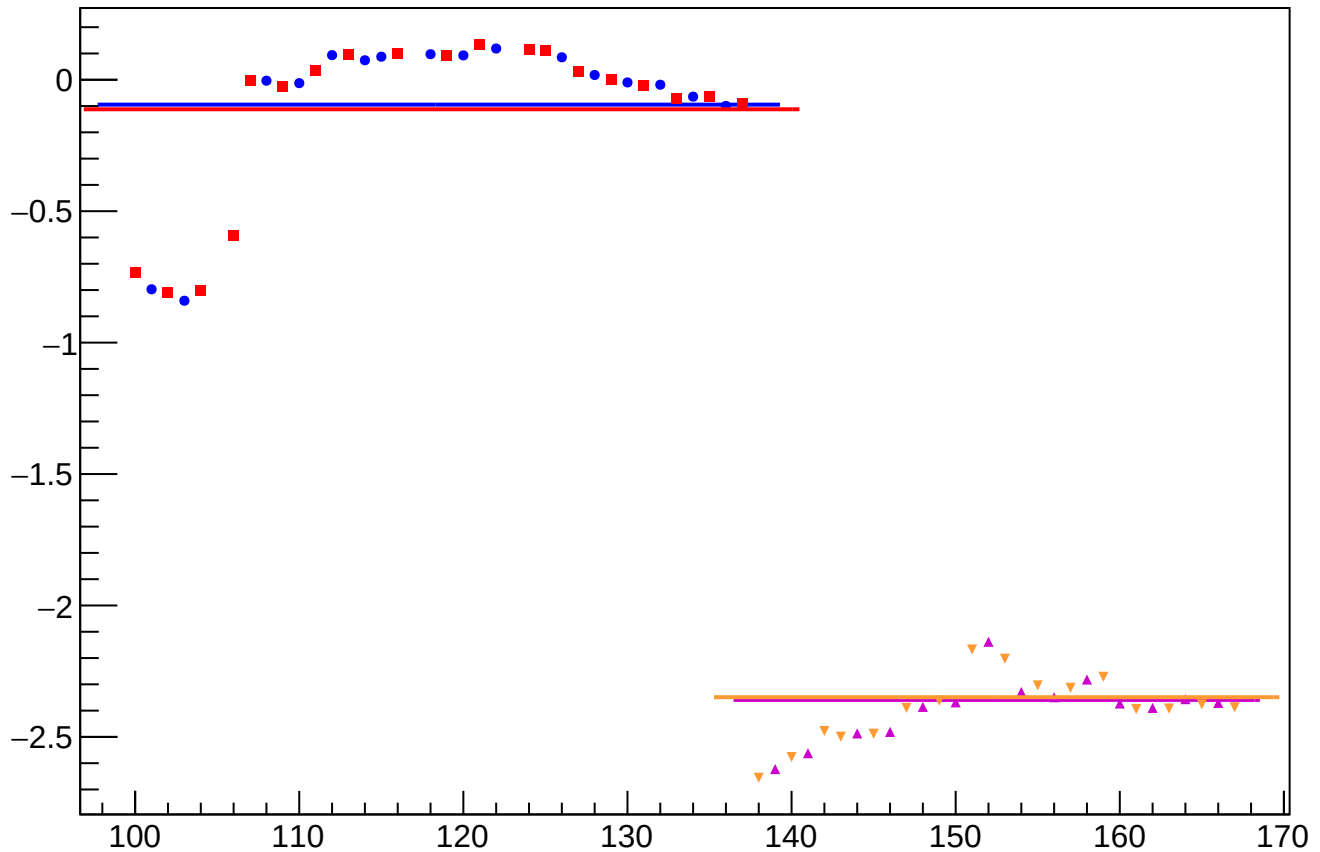
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 569420.5/13

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1364204.3/31

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2281302.2/64

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 907235.9/32

yield_bpm1i02X_mean vs Slug



Right In: -0.095 ± 0.000 χ^2/NDF : 5489721985.1/15

Left Out: -2.349 ± 0.000 χ^2/NDF : 1671818904.0/15

Right Out: -0.112 ± 0.000 χ^2/NDF : 6190163375.6/18

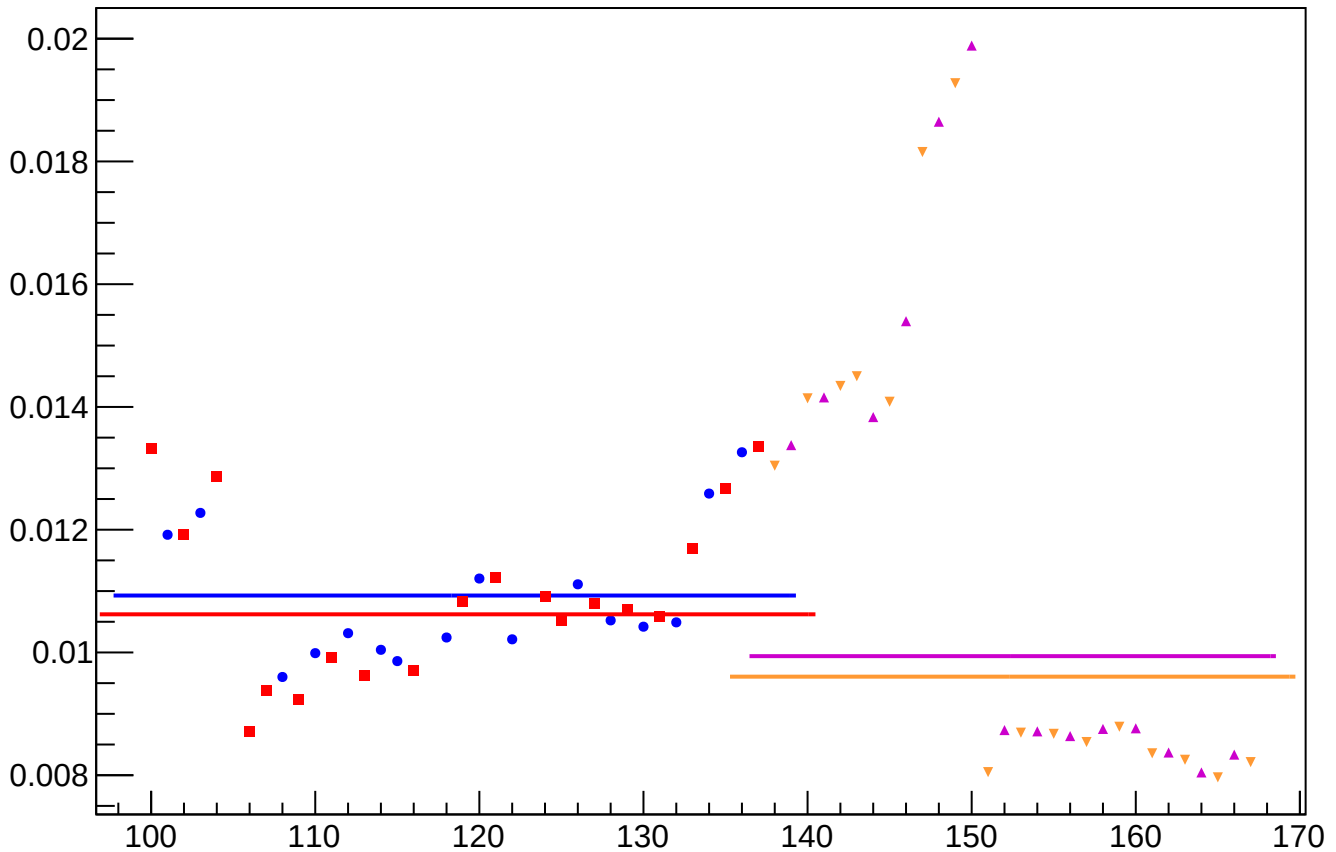
Left In: -2.359 ± 0.000 χ^2/NDF : 1283059924.4/13

+ sign -1.623 ± 0.000 χ^2/NDF : 212712058553.3/31

All: -1.567 ± 0.000 χ^2/NDF : 426186105085.6

- sign -1.507 ± 0.000 χ^2/NDF : 212269743900.1/32

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF :1821152.7/15

Right Out: 0.011+/-0.000 χ^2/NDF : 190526.1/18

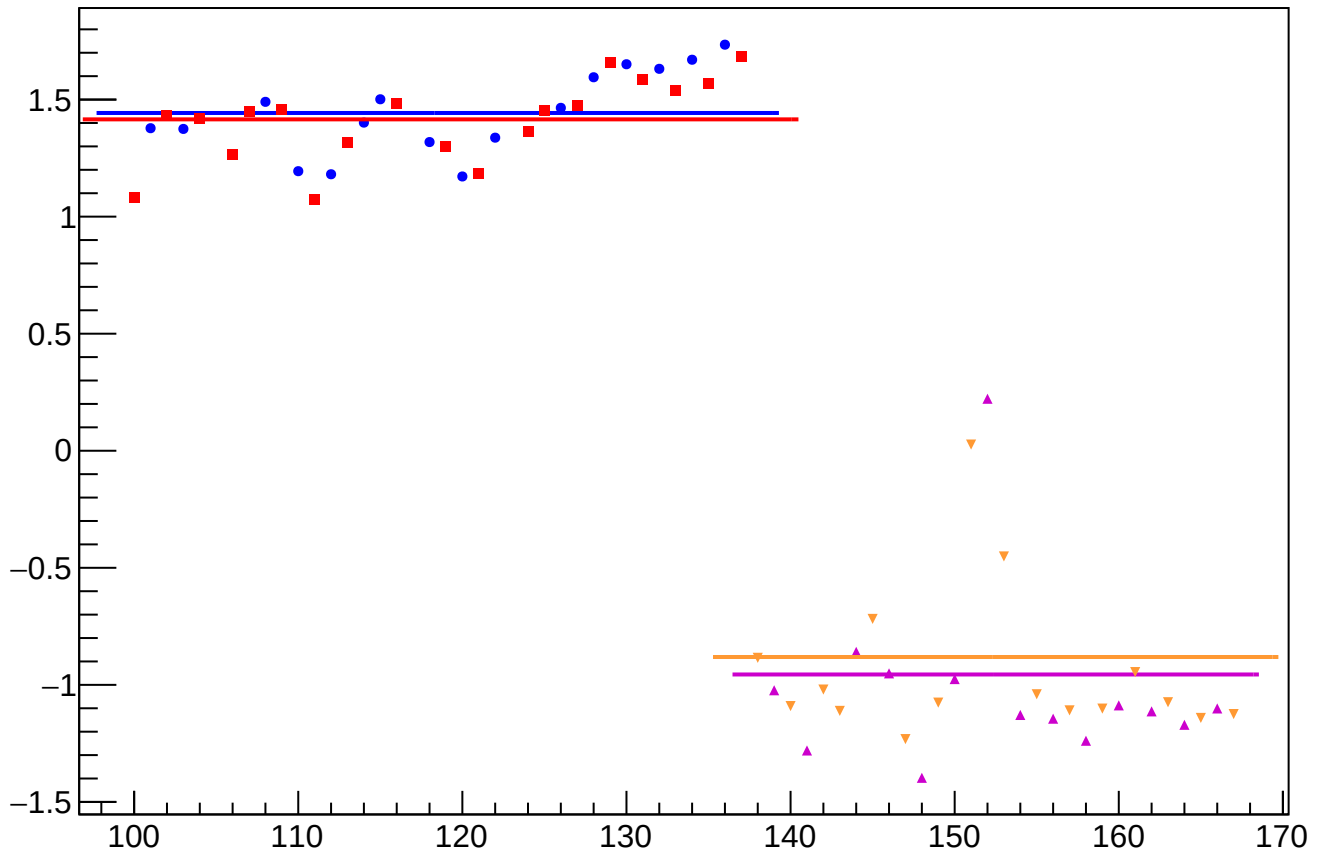
Left In: 0.010+/-0.000 χ^2/NDF :1775382.8/13

+ sign 0.010+/-0.000 χ^2/NDF : 2098958.4/31

All: 0.010+/-0.000 χ^2/NDF : 4107542.6/64

- sign 0.010+/-0.000 χ^2/NDF : 2003601.1/32

yield_bpm1i02Y_mean vs Slug



Right In: 1.443 $\pm$ 0.000 χ^2 /NDF: 3739724691.1/15

Left Out: -0.881 $\pm$ 0.000 χ^2 /NDF: 30199124857.0/15

Right Out: 1.415 $\pm$ 0.000 χ^2 /NDF: 2803466123.0/18

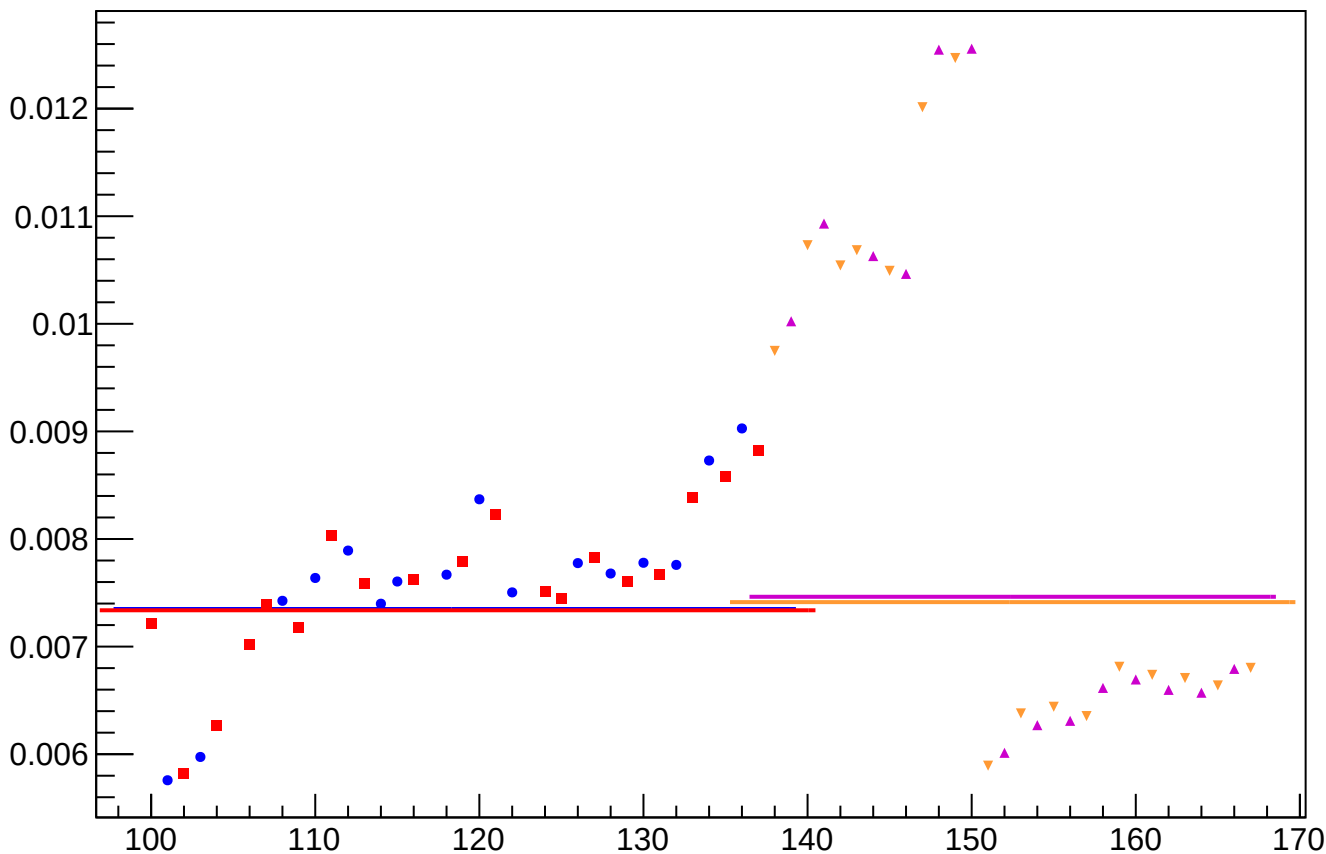
Left In: -0.956 $\pm$ 0.000 χ^2 /NDF: 39715723755.8/13

+ sign -0.001 $\pm$ 0.000 χ^2 /NDF: 472820761375.4/31

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 965523090429.7

- sign 0.029 $\pm$ 0.000 χ^2 /NDF: 492547602375.8/32

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 270864.2/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1447337.7/15

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 195372.6/18

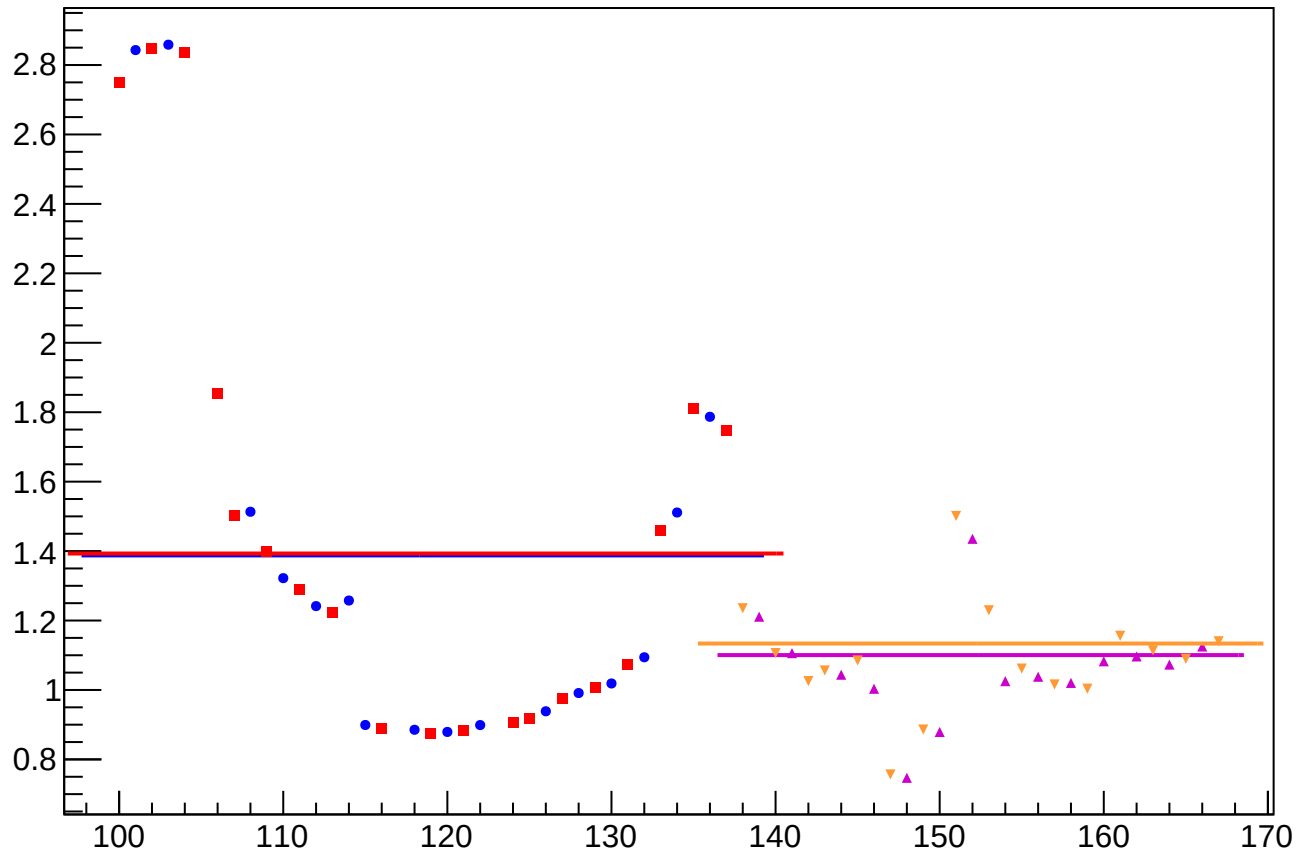
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1491438.3/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1718867.0/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3408361.1/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1689333.9/32

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF : 58612635453.0/15

Left Out: 1.134+/-0.000 χ^2/NDF : 5347244102.5/15

Right Out: 1.393+/-0.000 χ^2/NDF : 55365724659.7/18

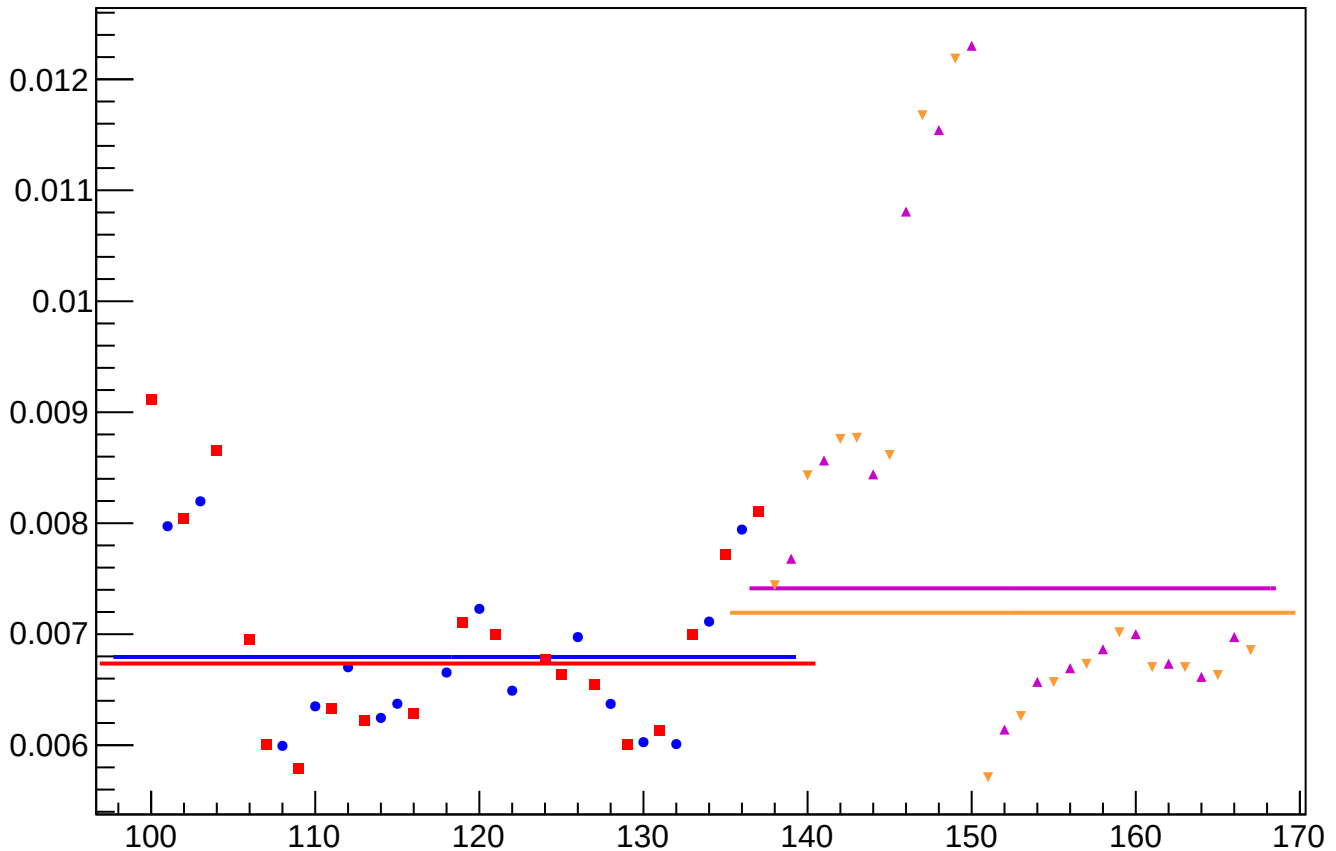
Left In: 1.100+/-0.000 χ^2/NDF : 4161880592.9/13

+ sign 1.236+/-0.000 χ^2/NDF : 69875676009.9/31

All: 1.235+/-0.000 χ^2/NDF : 137005328362.9

- sign 1.233+/-0.000 χ^2/NDF : 67127641545.0/32

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF :824973.1/15

Right Out: 0.007+/-0.000 χ^2/NDF : 198492.7/18

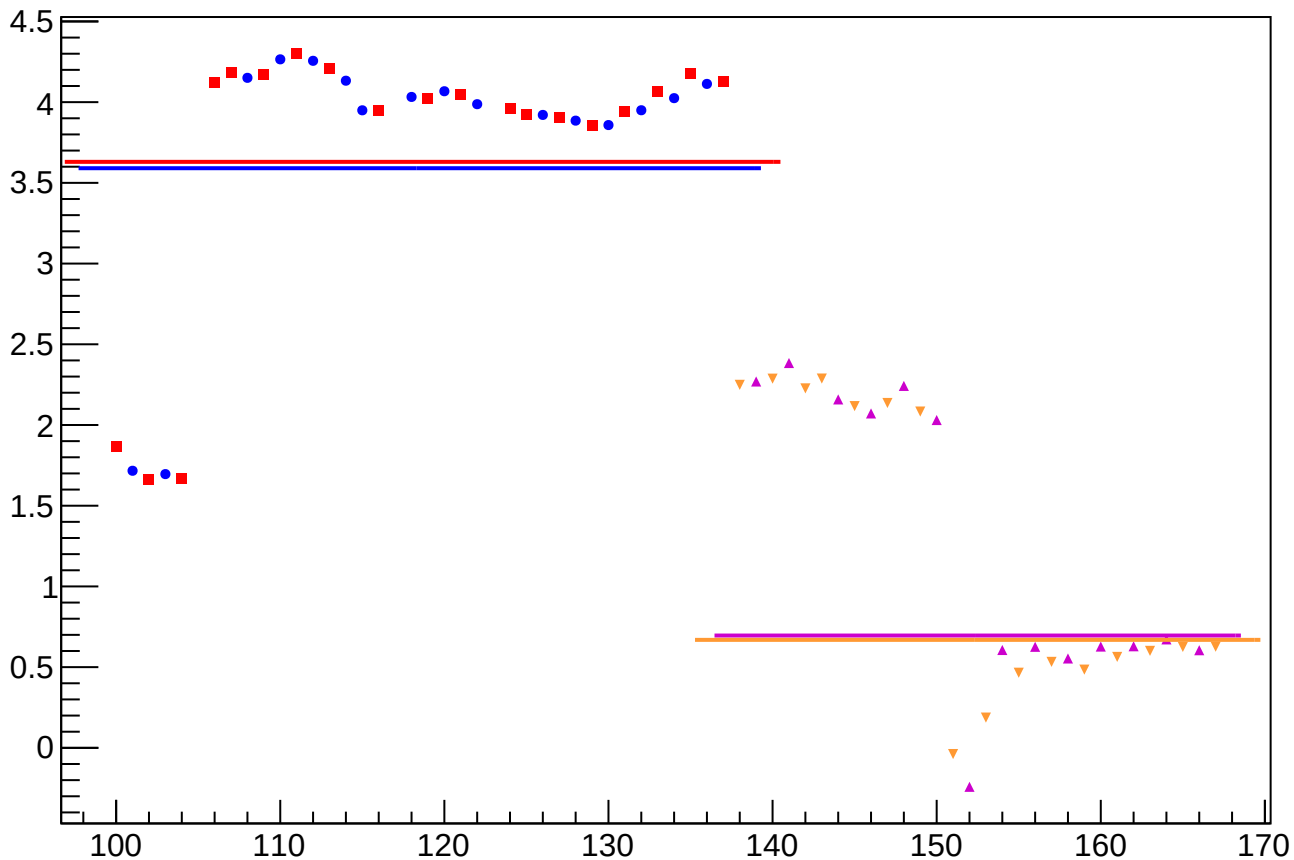
Left In: 0.007+/-0.000 χ^2/NDF :855459.1/13

+ sign 0.007+/-0.000 χ^2/NDF : 1018609.5/31

All: 0.007+/-0.000 χ^2/NDF : 2156126.3/64

- sign 0.007+/-0.000 χ^2/NDF : 1135469.4/32

yield_bpm1i04Y_mean vs Slug



Right In: 3.591 $\pm$ 0.000 χ^2 /NDF: 202184644473.7/15

Left Out: 0.669 $\pm$ 0.000 χ^2 /NDF: 244165250930.3/15

Right Out: 3.630 $\pm$ 0.000 χ^2 /NDF: 212588390342.3/18

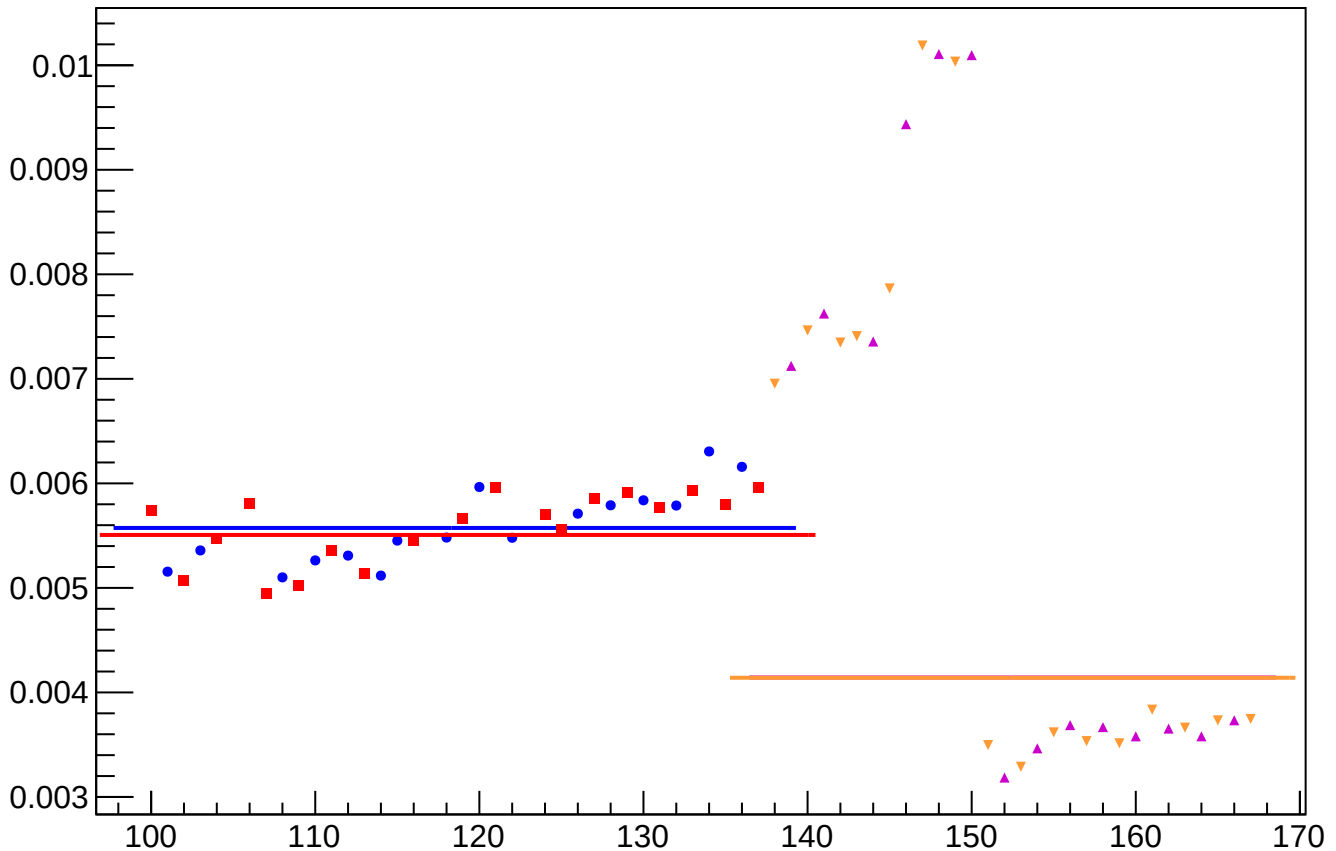
Left In: 0.696 $\pm$ 0.000 χ^2 /NDF: 242192380280.0/13

+ sign 1.463 $\pm$ 0.000 χ^2 /NDF: 1880907270794.0/31

All: 1.519 $\pm$ 0.000 χ^2 /NDF: 3790611318086.0/32

- sign 1.579 $\pm$ 0.000 χ^2 /NDF: 1904118654364.1/32

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF : 2780812.0/15

Right Out: 0.006+/-0.000 χ^2/NDF : 57427.9/18

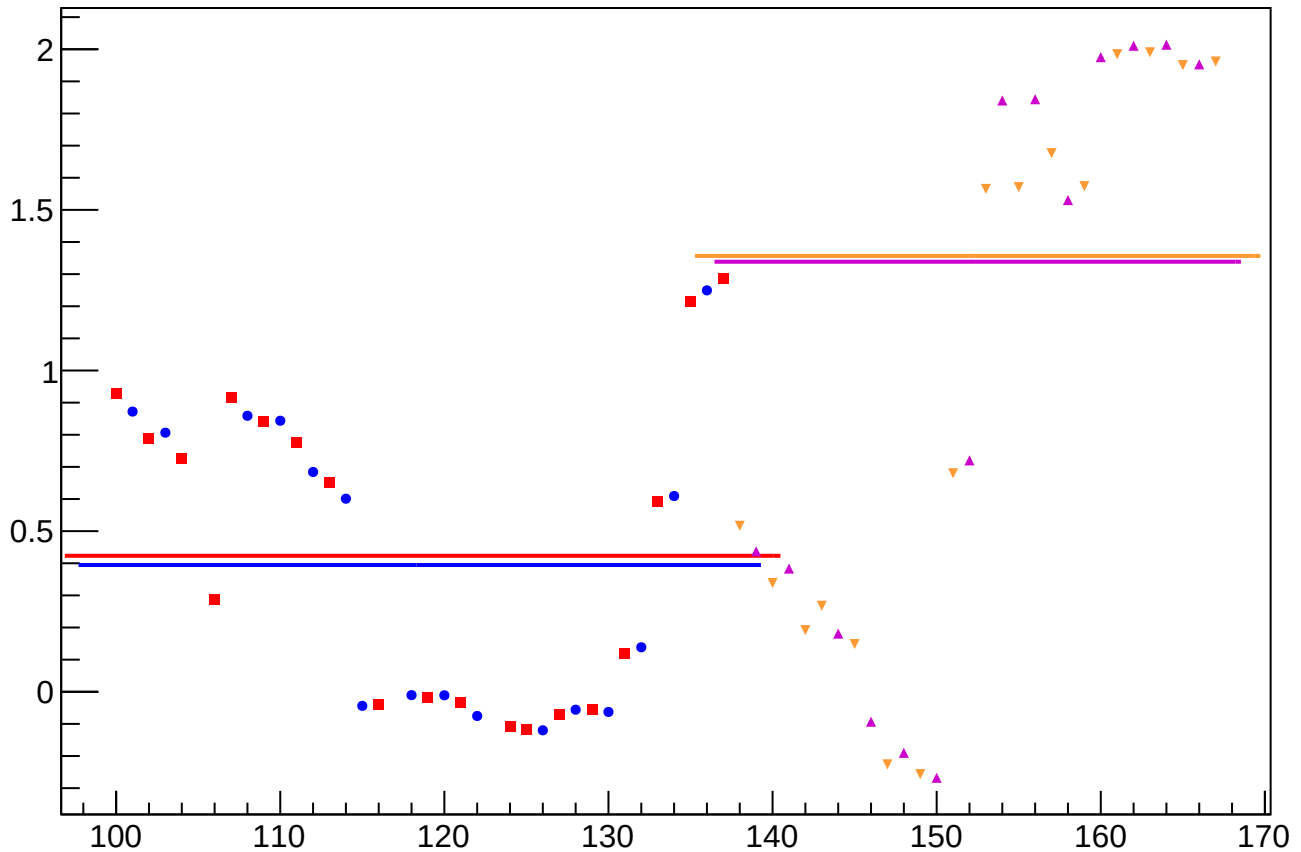
Left In: 0.004+/-0.000 χ^2/NDF : 2960751.3/13

+ sign 0.005+/-0.000 χ^2/NDF : 3530349.9/31

All: 0.005+/-0.000 χ^2/NDF : 7175097.9/64

- sign 0.005+/-0.000 χ^2/NDF : 3644282.1/32

yield_bpm1i06X_mean vs Slug



Right In: 0.395 $\pm$ 0.000 χ^2 /NDF: 7412548044.8/15

Left Out: 1.357 $\pm$ 0.000 χ^2 /NDF: 49121948680.4/15

Right Out: 0.423 $\pm$ 0.000 χ^2 /NDF: 6904060515.1/18

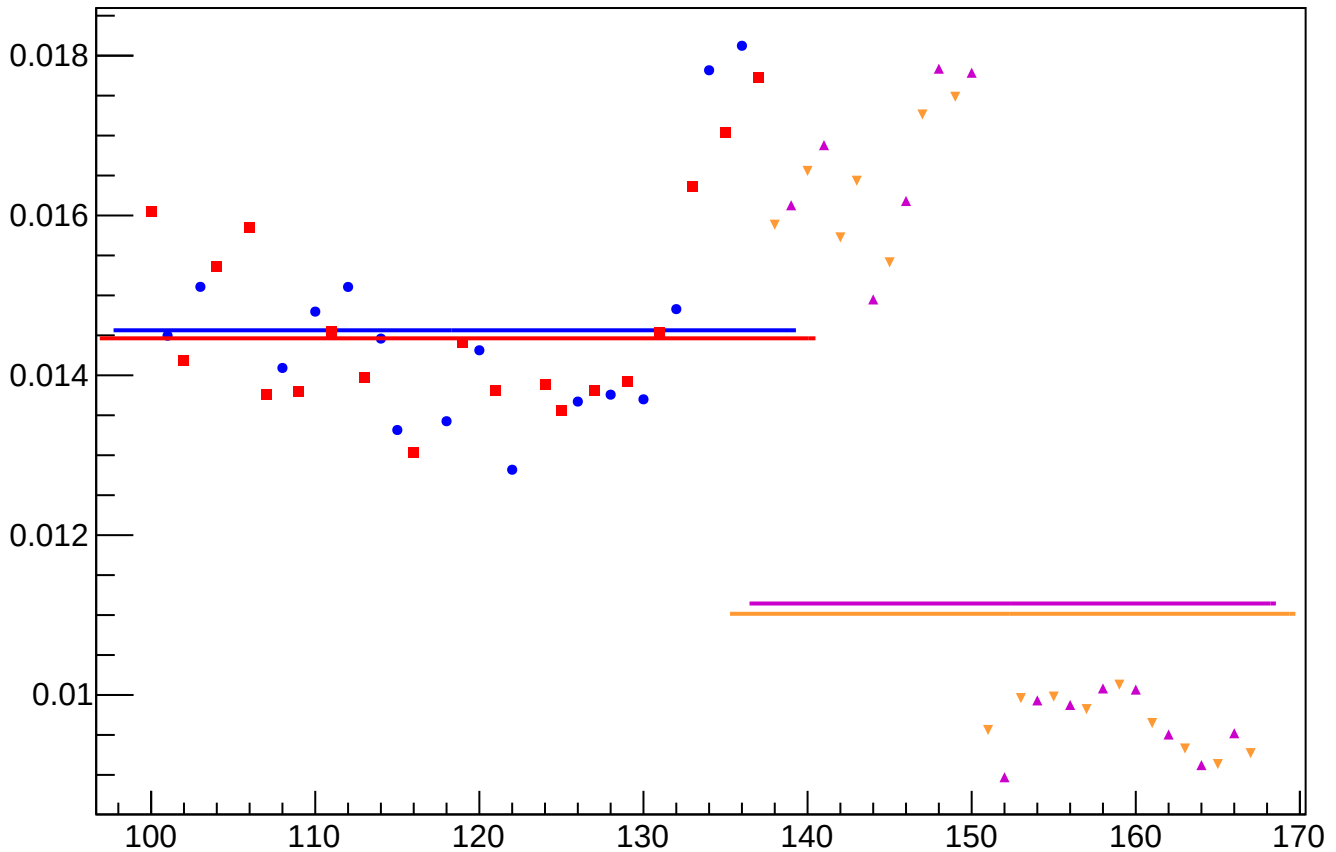
Left In: 1.339 $\pm$ 0.000 χ^2 /NDF: 52547638192.0/13

+ sign 1.109 $\pm$ 0.000 χ^2 /NDF: 79518355313.1/31

All: 1.092 $\pm$ 0.000 χ^2 /NDF: 159801116532.5

- sign 1.075 $\pm$ 0.000 χ^2 /NDF: 80210392988.3/32

yield_bpm1i06X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 133134.7/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1455467.8/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 77396.3/18

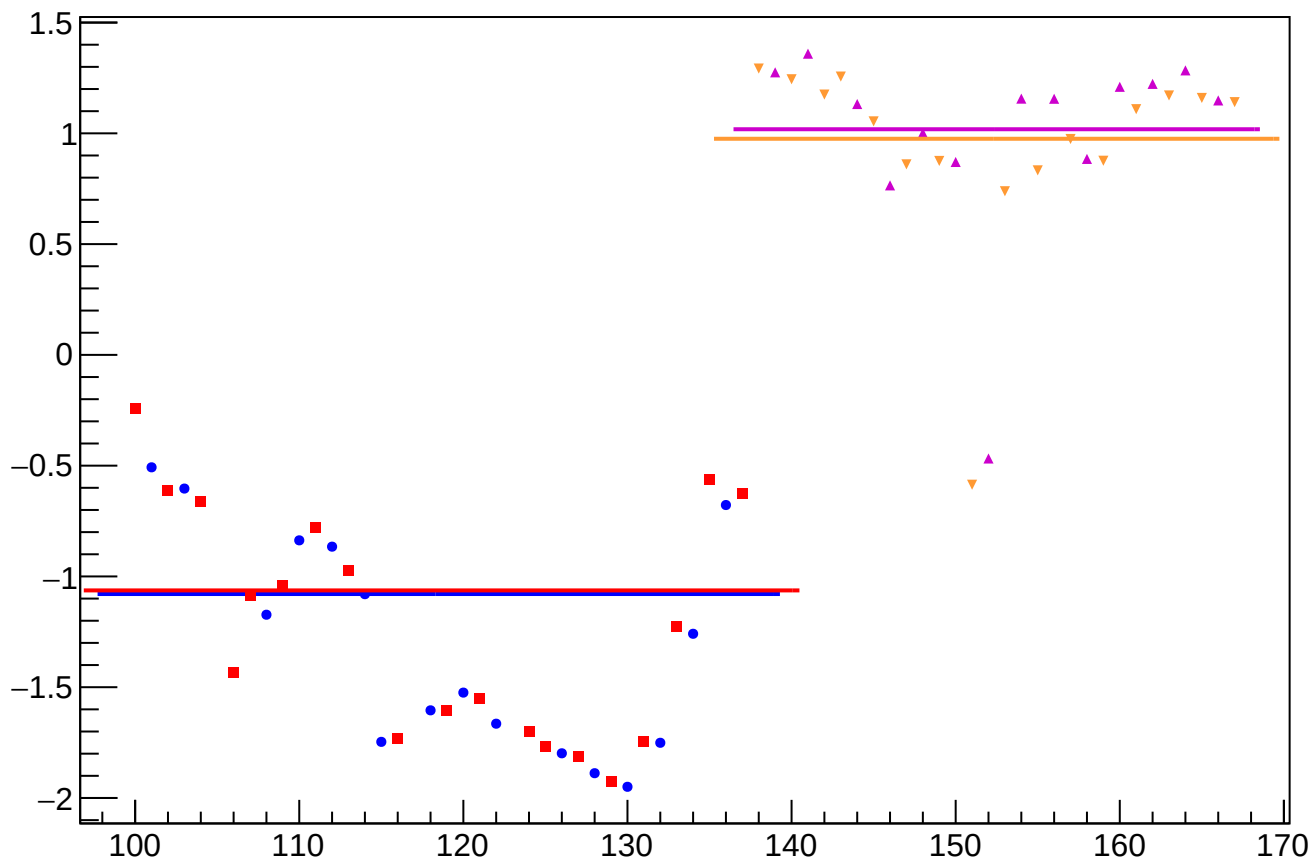
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1457021.7/13

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2213572.4/31

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4297265.3/64

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2080026.7/32

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF : 59756571764.5/15

Left Out: 0.975+/-0.000 χ^2/NDF : 107972925268.8/15

Right Out: -1.063+/-0.000 χ^2/NDF : 49910403943.5/18

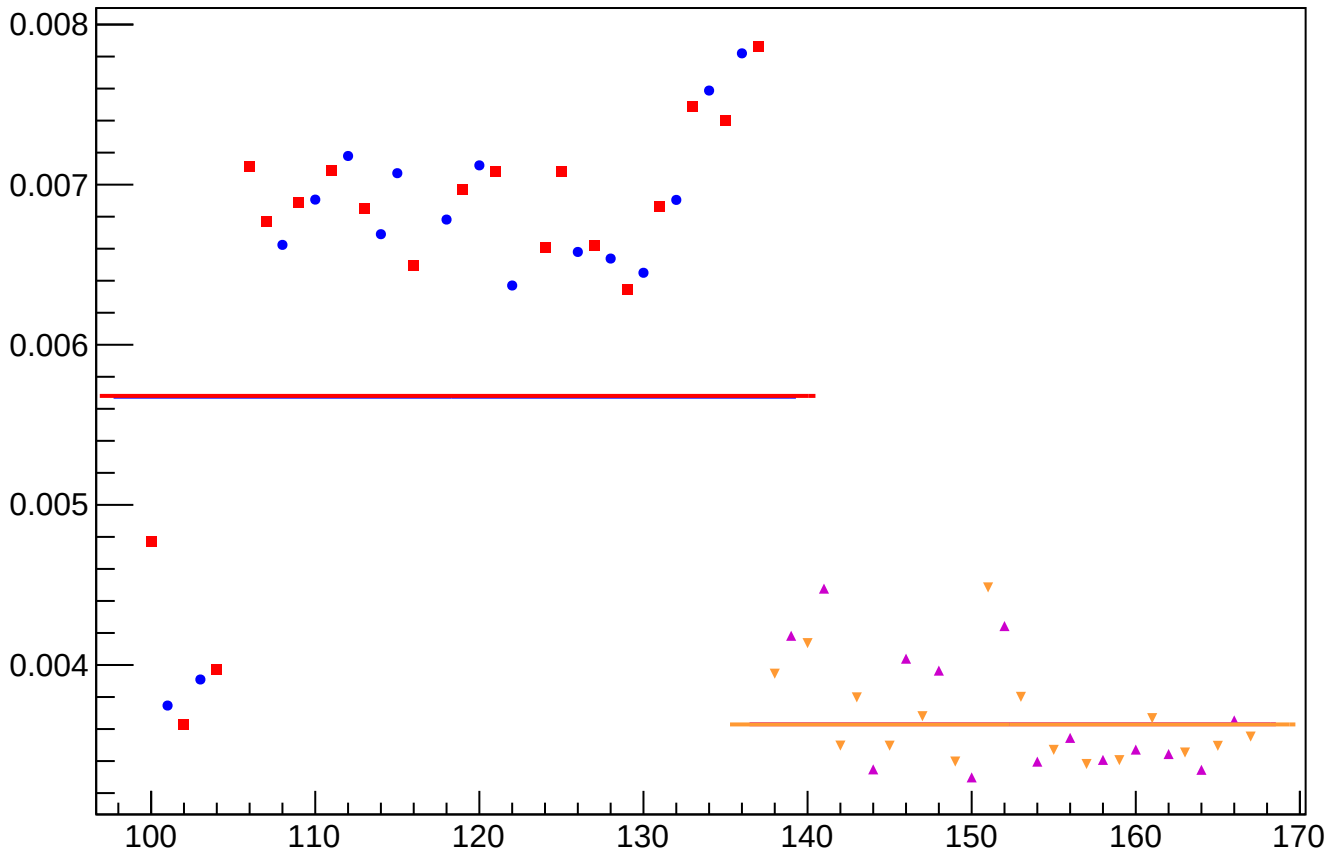
Left In: 1.018+/-0.000 χ^2/NDF : 124222171391.2/13

+ sign 0.592+/-0.000 χ^2/NDF : 846421591122.7/31

All: 0.593+/-0.000 χ^2/NDF : 1709590070359.

- sign 0.593+/-0.000 χ^2/NDF : 863167229958.8/32

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 :123372.2/15

Right Out: 0.006+/-0.000 χ^2/NDF : 980583.9/18

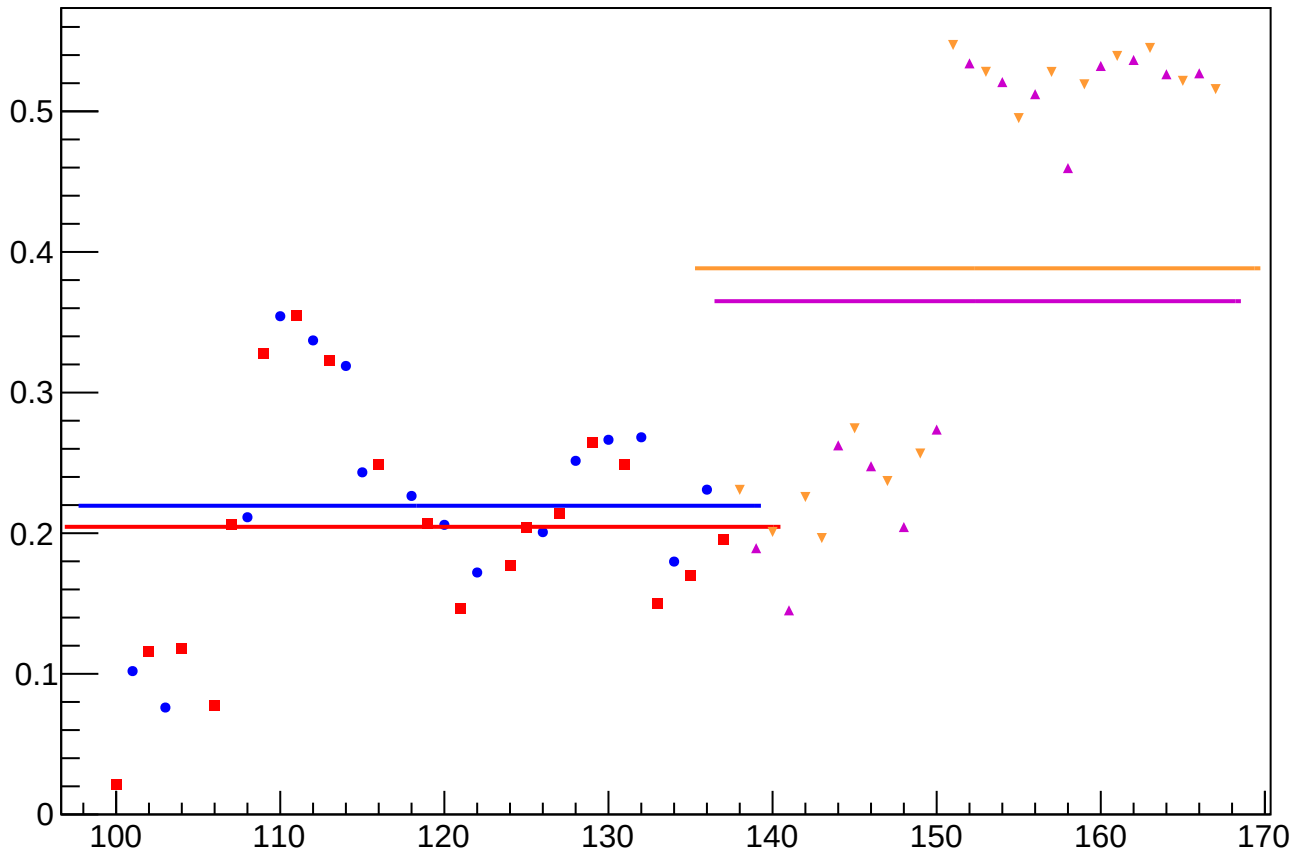
Left In: 0.004+/-0.000 χ^2/NDF :202962.5/13

+ sign 0.004+/-0.000 χ^2/NDF : 2415562.4/31

All: 0.004+/-0.000 χ^2/NDF : 4937781.9/64

- sign 0.004+/-0.000 χ^2/NDF : 2520761.7/32

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF : 16729743257.8/15

Left Out: 0.388+/-0.000 χ^2/NDF : 126262530115.1/15

Right Out: 0.205+/-0.000 χ^2/NDF : 22312377506.1/18

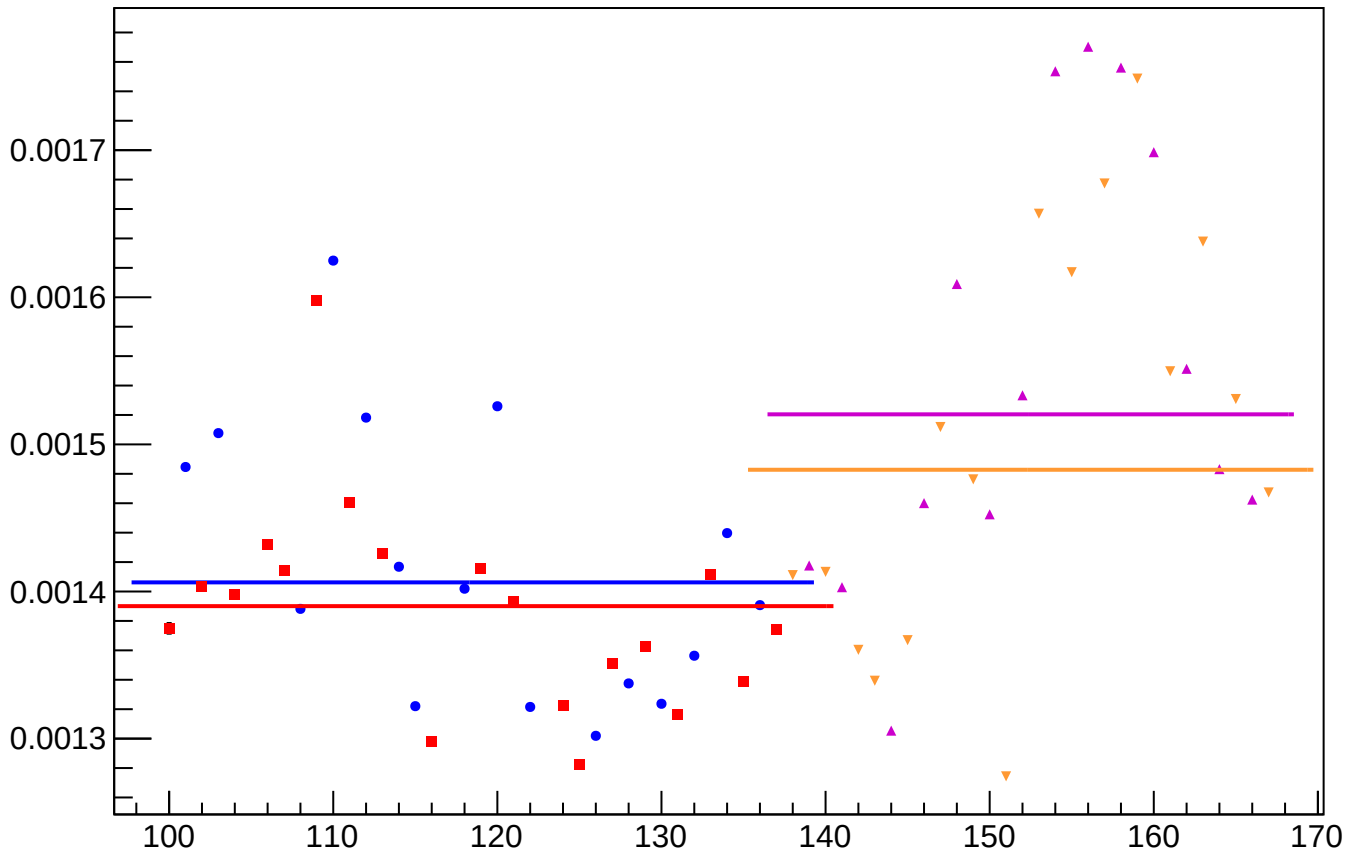
Left In: 0.365+/-0.000 χ^2/NDF : 113996723724.1/13

+ sign 0.324+/-0.000 χ^2/NDF : 204636503079.4/31

All: 0.309+/-0.000 χ^2/NDF : 399501260529.7

- sign 0.295+/-0.000 χ^2/NDF : 191134965766.4/32

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 : 200801.8/15

Right Out: 0.001+/-0.000 χ^2/NDF : 34786.9/18

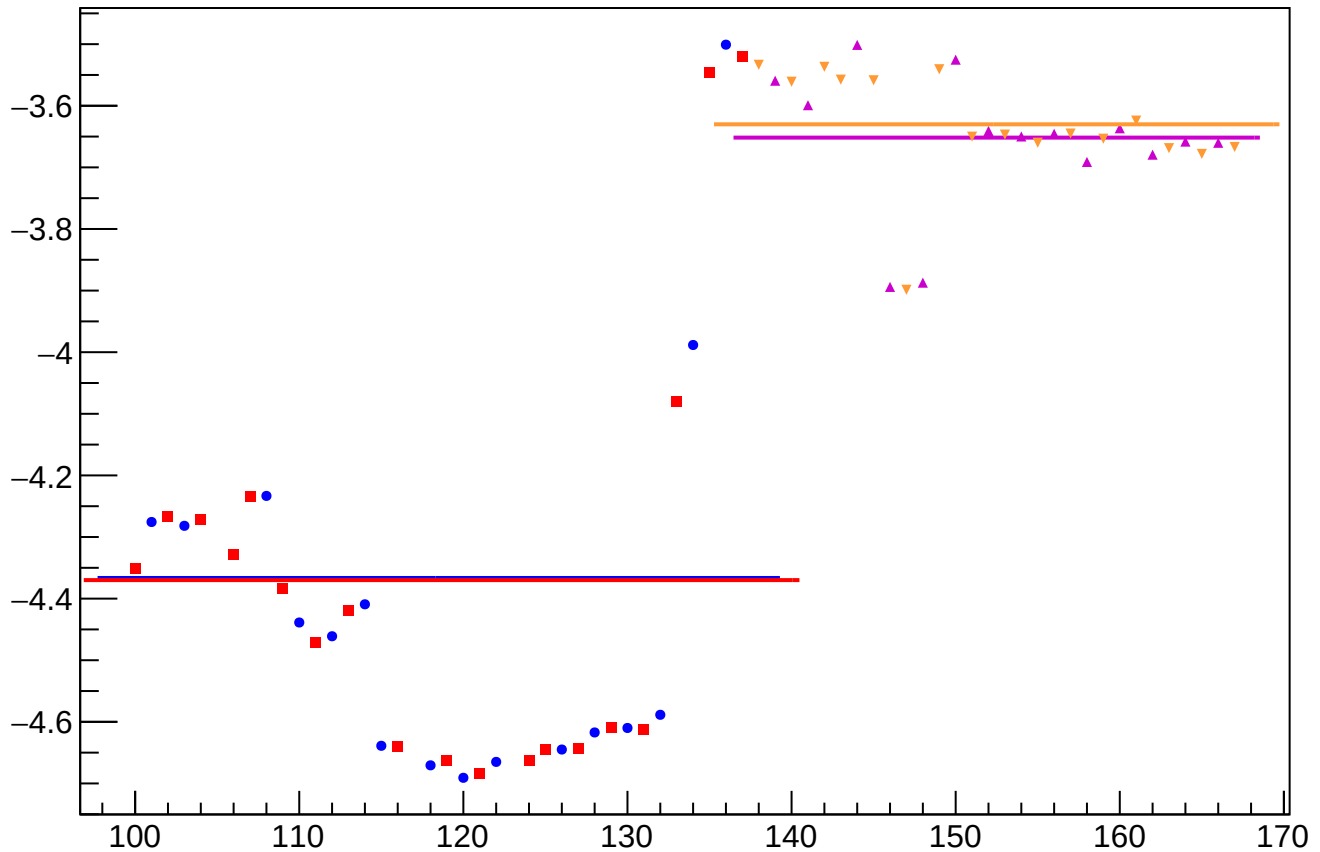
Left In: 0.002+/-0.000 χ^2/NDF : 196374.8/13

+ sign 0.001+/-0.000 χ^2/NDF : 274345.7/31

All: 0.001+/-0.000 χ^2/NDF : 578762.0/64

- sign 0.001+/-0.000 χ^2/NDF : 303554.6/32

yield_bpm2i01Y_mean vs Slug



Right In: -4.367+/-0.000 χ^2/NDF : 353013303743.6/15

Left Out: -3.630+/-0.000 χ^2/NDF : 21993912796.7/15

Right Out: -4.370+/-0.000 χ^2/NDF : 296136368274.3/18

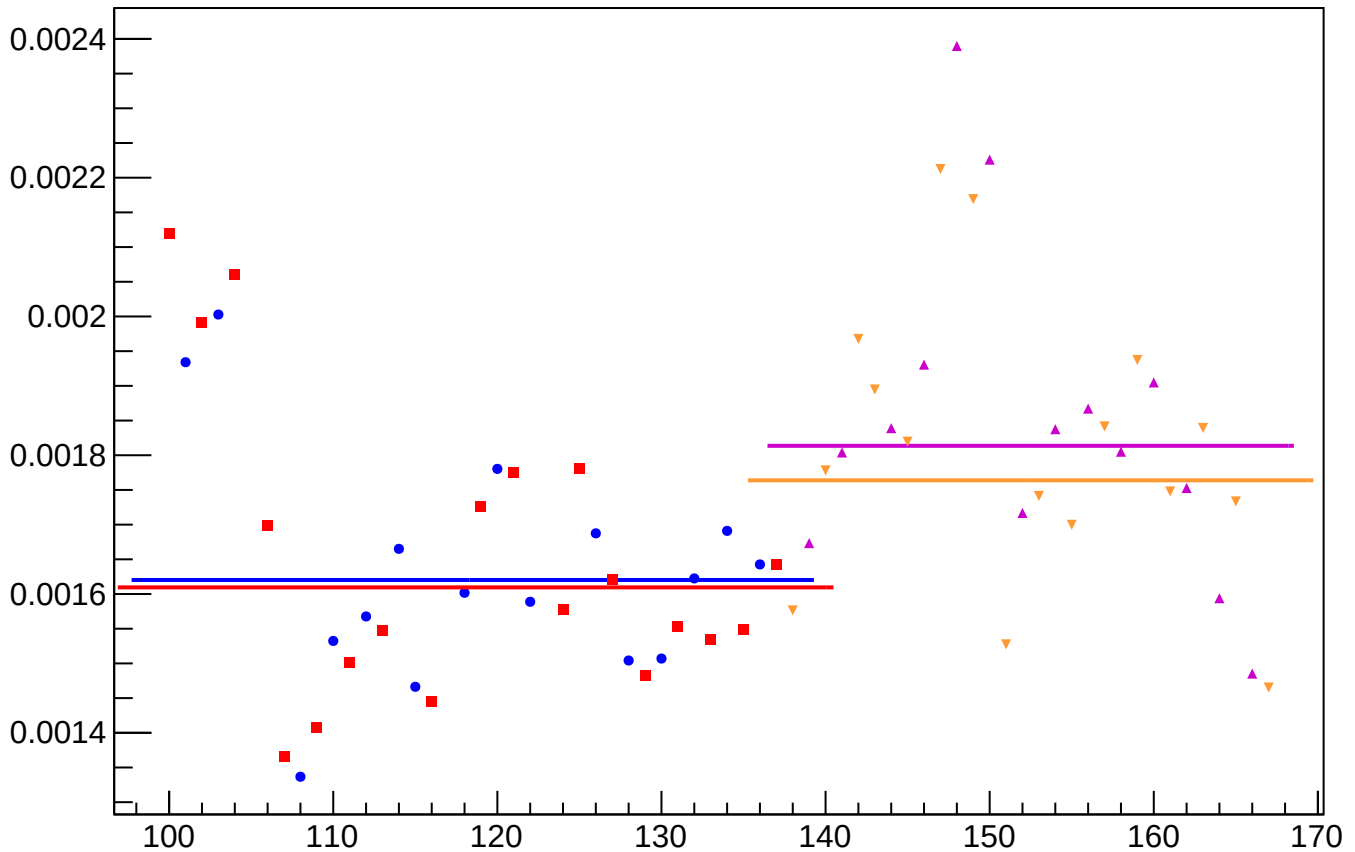
Left In: -3.652+/-0.000 χ^2/NDF : 33203052524.4/13

+ sign -3.928+/-0.000 χ^2/NDF : 1221118266056.4/3

All: -3.951+/-0.000 χ^2/NDF : 2335897640548

- sign -3.976+/-0.000 χ^2/NDF : 1107579336586.1/3

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: 287788.0/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 184968.0/18

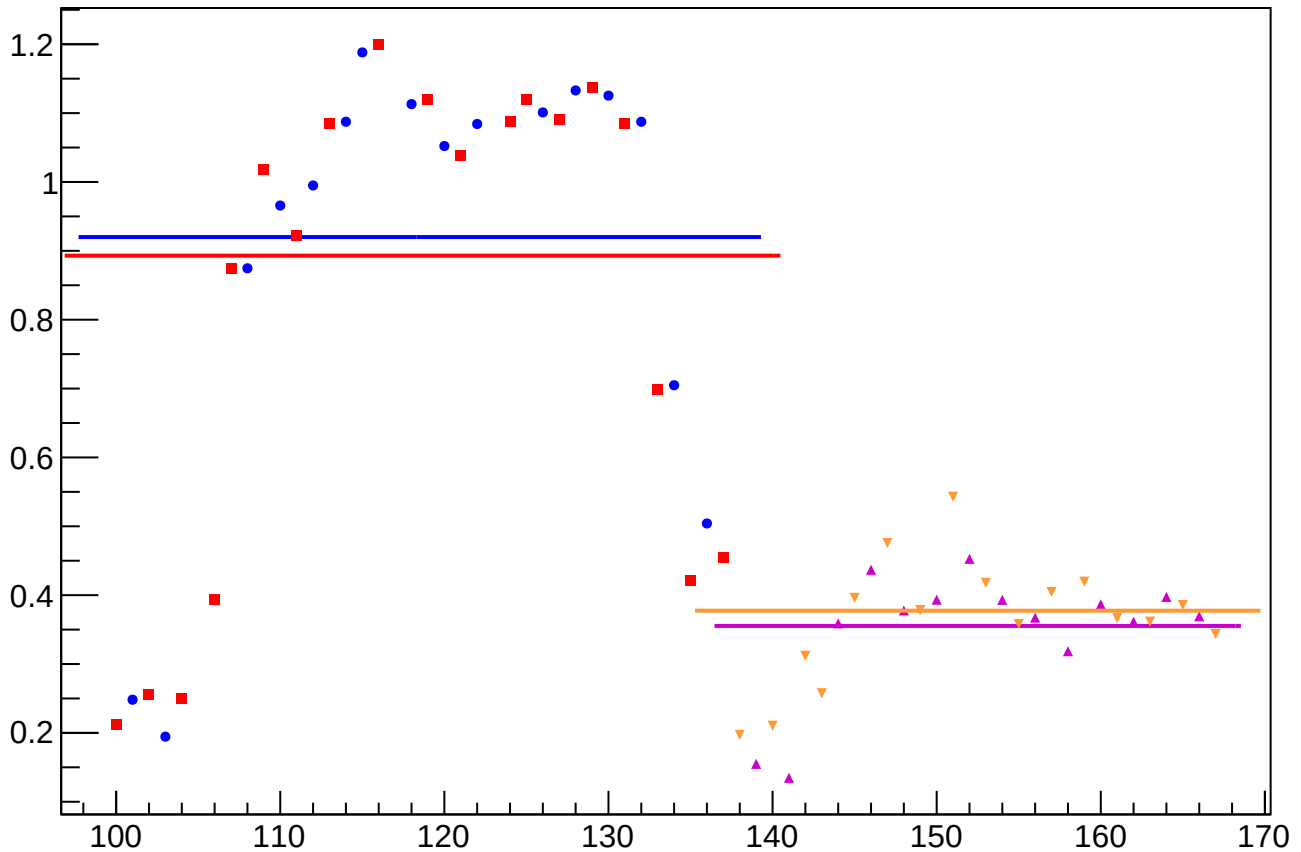
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 261405.7/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 492338.2/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1065860.0/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 571955.1/32

yield_bpm2i02X_mean vs Slug



Right In: 0.920 $\pm$ 0.000 χ^2 /NDF: 14566431727.4/15

Left Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 1700201049.3/15

Right Out: 0.893 $\pm$ 0.000 χ^2 /NDF: 17642154019.1/18

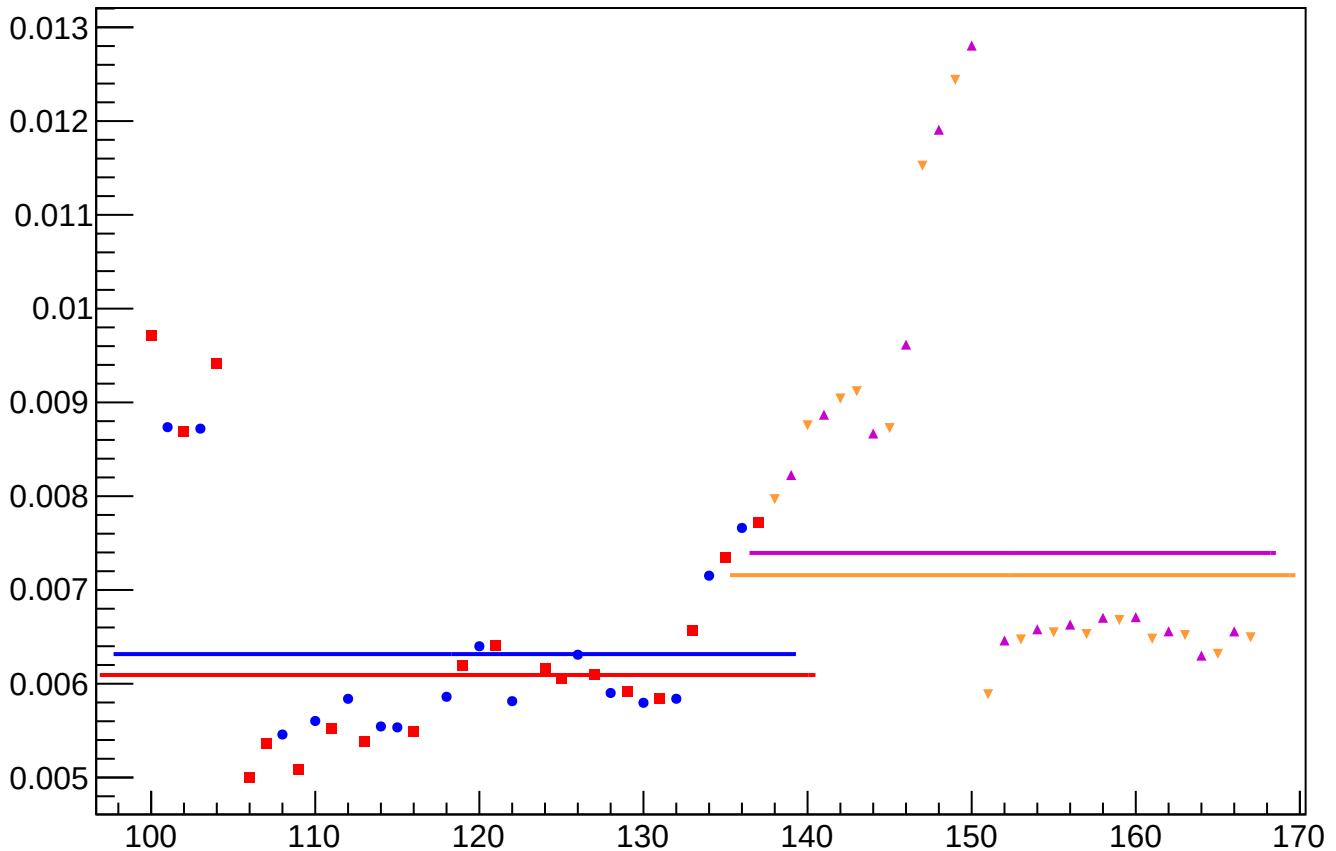
Left In: 0.355 $\pm$ 0.000 χ^2 /NDF: 1420494861.3/13

+ sign 0.610 $\pm$ 0.000 χ^2 /NDF: 45855433541.3/31

All: 0.615 $\pm$ 0.000 χ^2 /NDF: 93576966076.1/6

- sign 0.620 $\pm$ 0.000 χ^2 /NDF: 47698379753.2/32

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF : 978191.0/15

Right Out: 0.006+/-0.000 χ^2/NDF : 435933.6/18

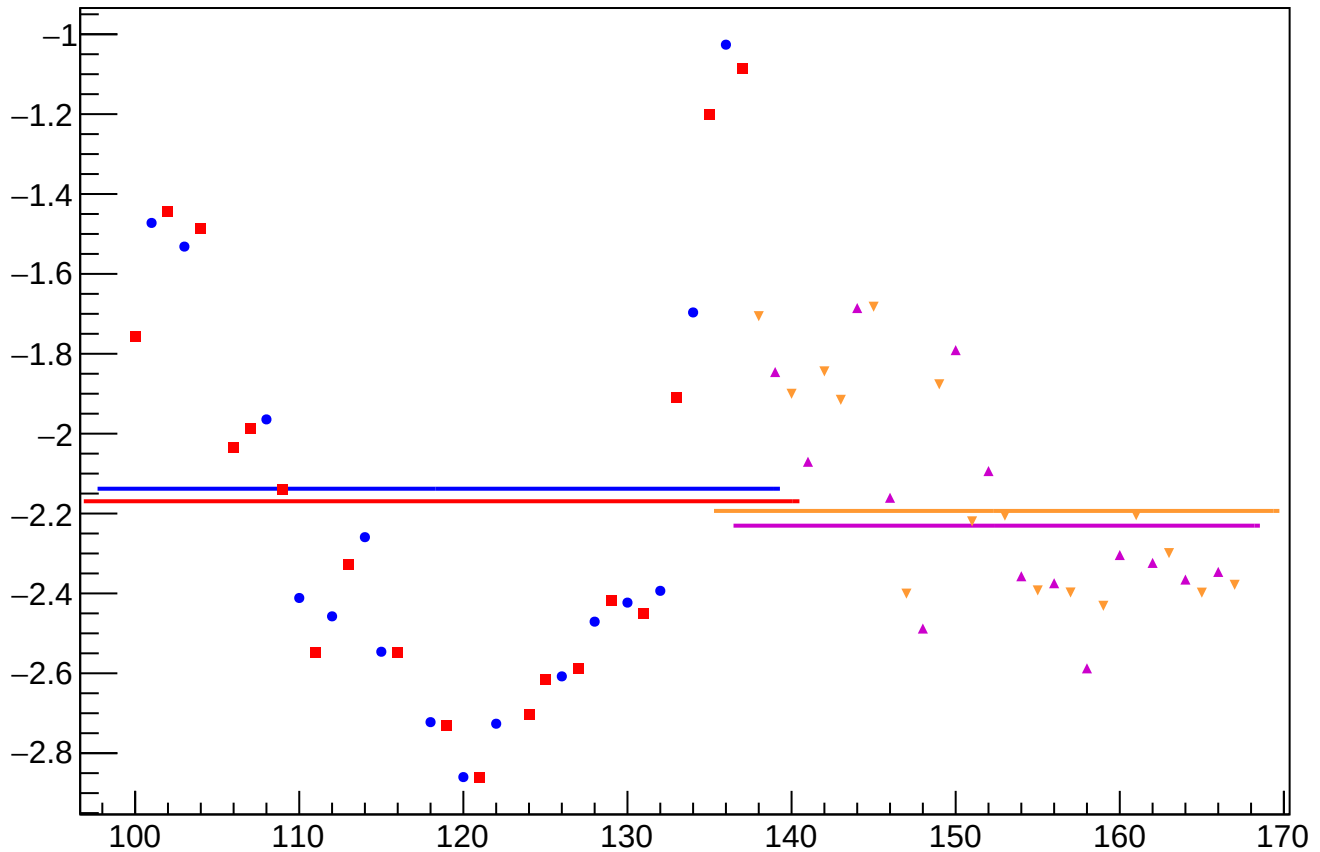
Left In: 0.007+/-0.000 χ^2/NDF : 957894.5/13

+ sign 0.007+/-0.000 χ^2/NDF : 1456296.5/31

All: 0.007+/-0.000 χ^2/NDF : 3186457.4/64

- sign 0.007+/-0.000 χ^2/NDF : 1729363.7/32

yield_bpm2i02Y_mean vs Slug



Right In: -2.138 ± 0.000 χ^2/NDF : 65666622158.4/15

Left Out: -2.193 ± 0.000 χ^2/NDF : 16902089689.2/15

Right Out: -2.169 ± 0.000 χ^2/NDF : 57409196879.6/18

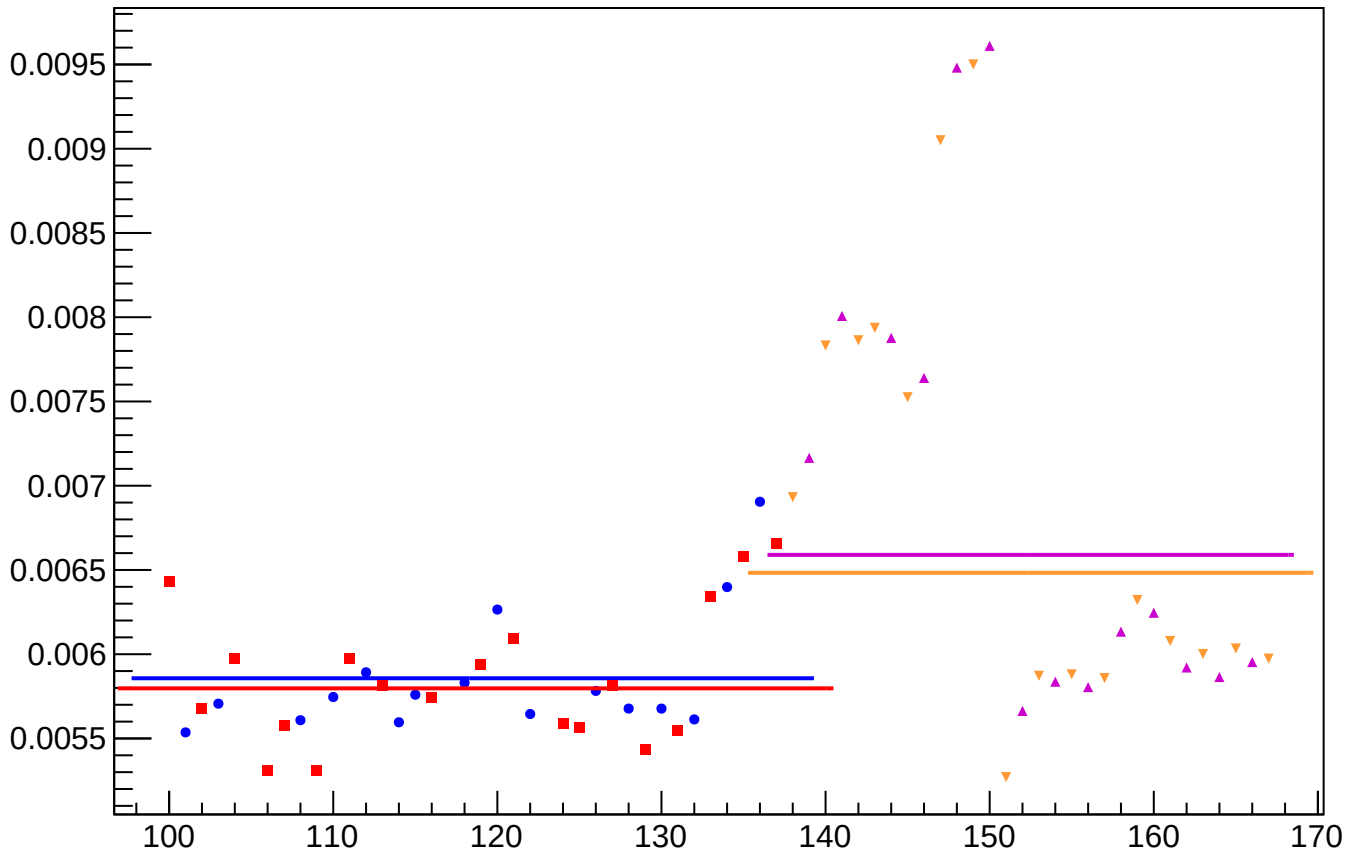
Left In: -2.230 ± 0.000 χ^2/NDF : 14905299213.4/13

+ sign -2.170 ± 0.000 χ^2/NDF : 82945221548.4/31

All: -2.186 ± 0.000 χ^2/NDF : 155954061305.8

- sign -2.202 ± 0.000 χ^2/NDF : 72759681549.7/32

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF : 649825.1/15

Right Out: 0.006+/-0.000 χ^2/NDF : 56374.2/18

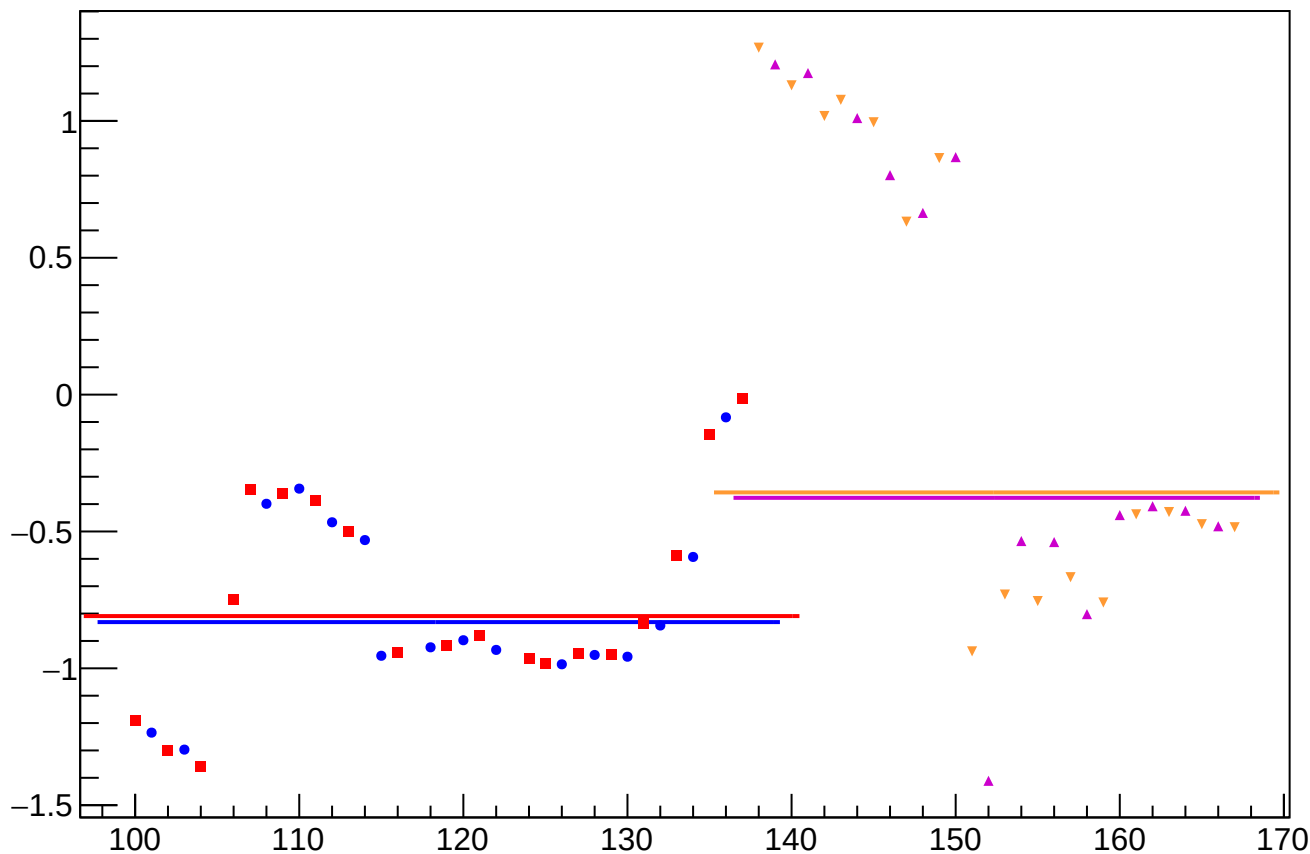
Left In: 0.007+/-0.000 χ^2/NDF : 651758.8/13

+ sign 0.006+/-0.000 χ^2/NDF : 807267.9/31

All: 0.006+/-0.000 χ^2/NDF : 1664934.0/64

- sign 0.006+/-0.000 χ^2/NDF : 857664.7/32

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 $\chi^2/\text{NDF}: 7112259663.3/15$

Left Out: -0.357 ± 0.000 $\chi^2/\text{NDF}: 77617072438.8/15$

Right Out: -0.809 ± 0.000 $\chi^2/\text{NDF}: 8146337898.7/18$

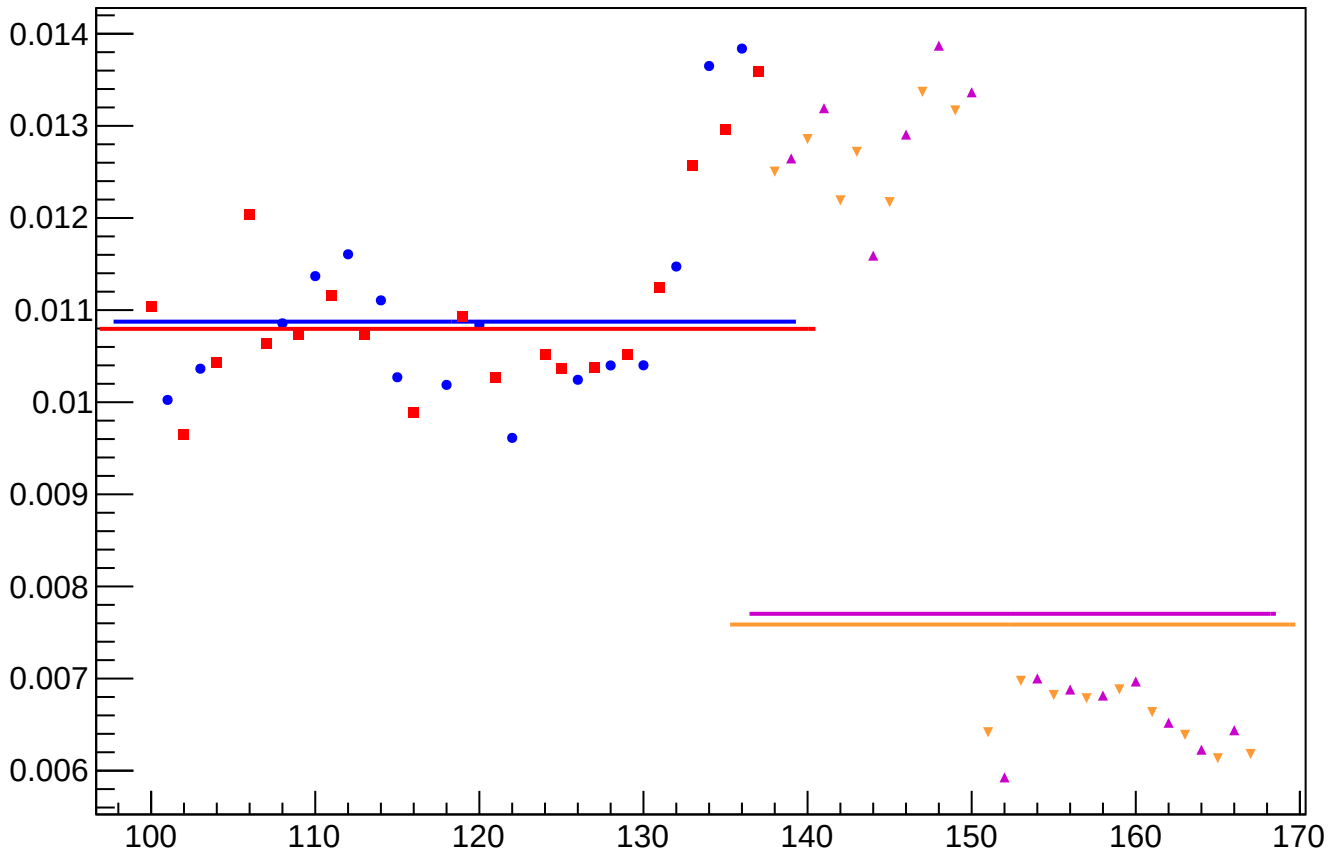
Left In: -0.377 ± 0.000 $\chi^2/\text{NDF}: 87205446969.3/13$

+ sign -0.468 ± 0.000 $\chi^2/\text{NDF}: 94972396572.4/31$

All: -0.479 ± 0.000 $\chi^2/\text{NDF}: 198910350802.6$

- sign -0.491 ± 0.000 $\chi^2/\text{NDF}: 103871286355.2/32$

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 157612.7/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2082038.2/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 99122.1/18

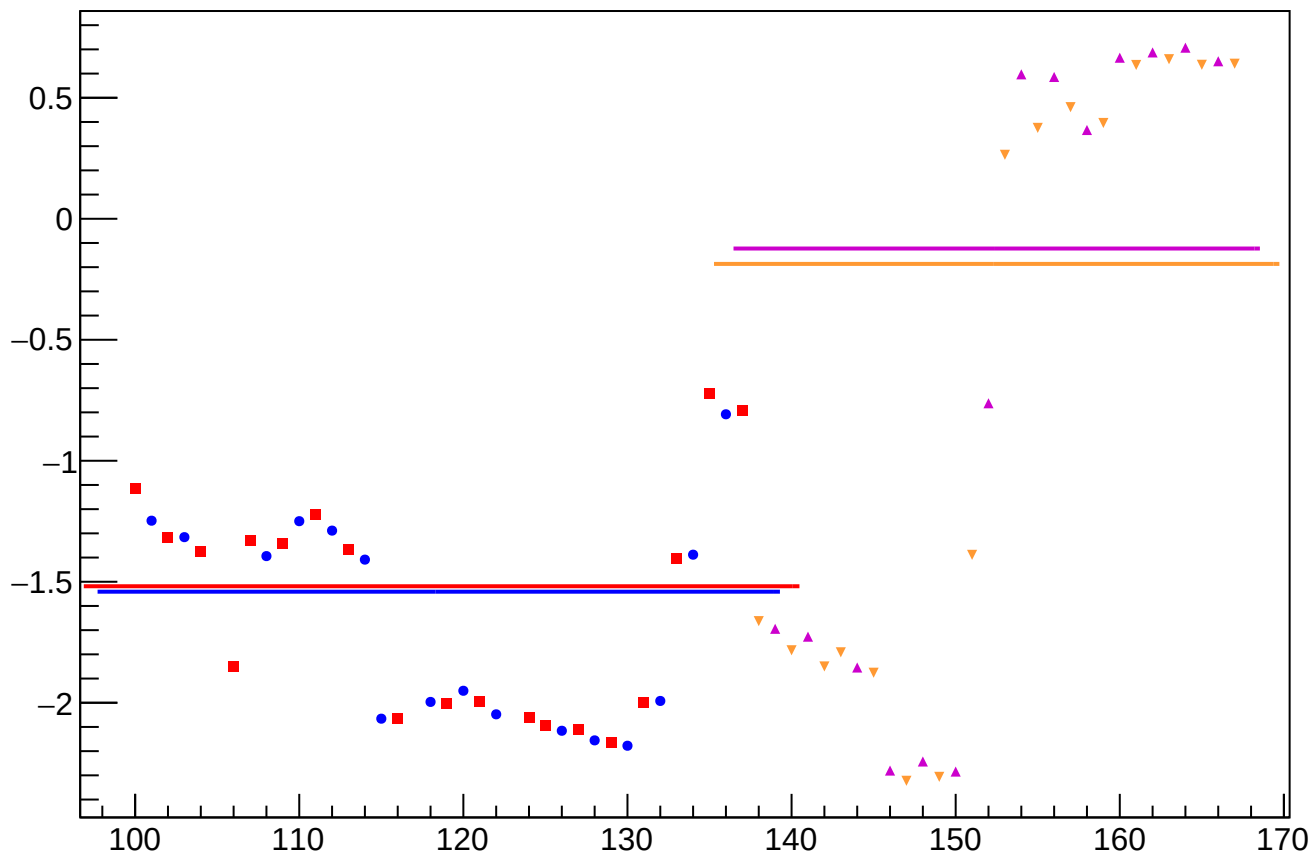
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2072869.7/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3226231.1/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6278500.6/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3045501.6/32

yield_bpm0i01Y_mean vs Slug



Right In: -1.541 ± 0.000 χ^2/NDF : 162409397922.2/15

Left Out: -0.187 ± 0.000 χ^2/NDF : 1967032794827.0/15

Right Out: -1.519 ± 0.000 χ^2/NDF : 145077318641.2/18

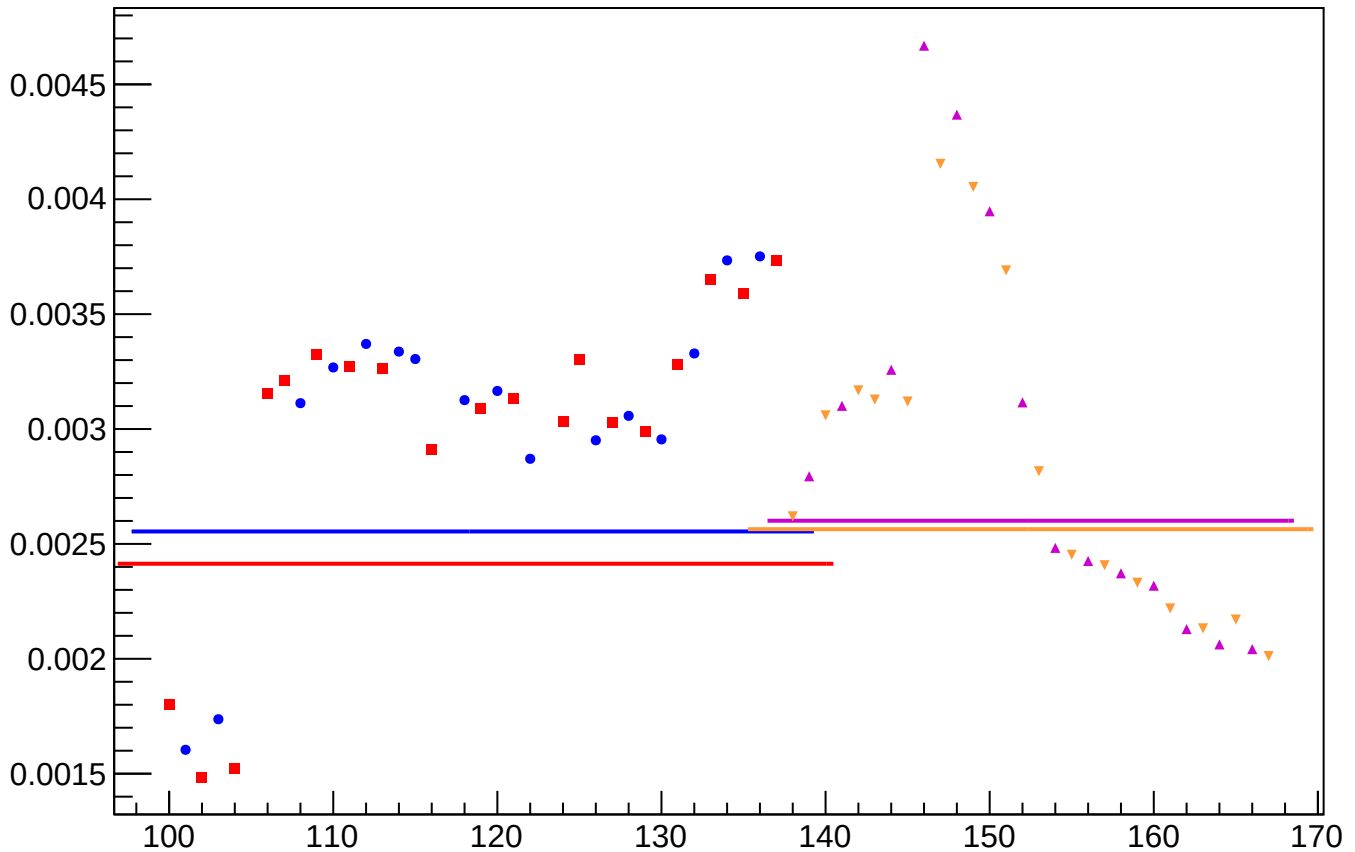
Left In: -0.123 ± 0.000 χ^2/NDF : 1771937709456.6/13

+ sign -0.676 ± 0.000 χ^2/NDF : 3218118511321.6/3

All: -0.688 ± 0.000 χ^2/NDF : 6296054640344

- sign -0.701 ± 0.000 χ^2/NDF : 3077103826011.6/32

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF :931760.0/15

Right Out: 0.002+/-0.000 χ^2/NDF : 1546830.8/18

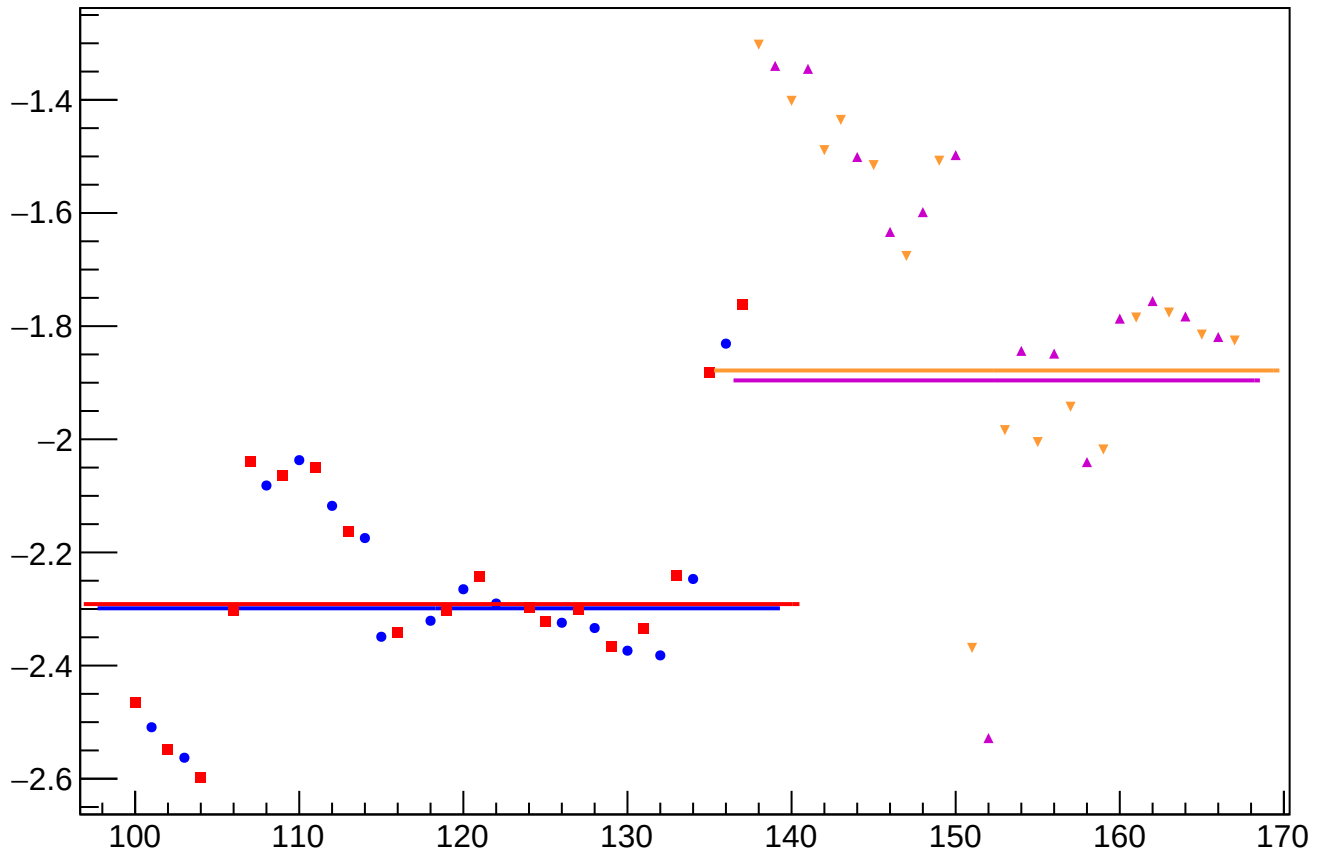
Left In: 0.003+/-0.000 χ^2/NDF :1045572.9/13

+ sign 0.003+/-0.000 χ^2/NDF : 2104311.7/31

All: 0.003+/-0.000 χ^2/NDF : 4741937.4/64

- sign 0.003+/-0.000 χ^2/NDF : 2634153.1/32

yield_bpm0i01aX_mean vs Slug



Right In: -2.299+/-0.000 χ^2/NDF : 6129071089.8/15

Left Out: -1.878+/-0.000 χ^2/NDF : 27199830177.8/15

Right Out: -2.291+/-0.000 χ^2/NDF : 6831007568.9/18

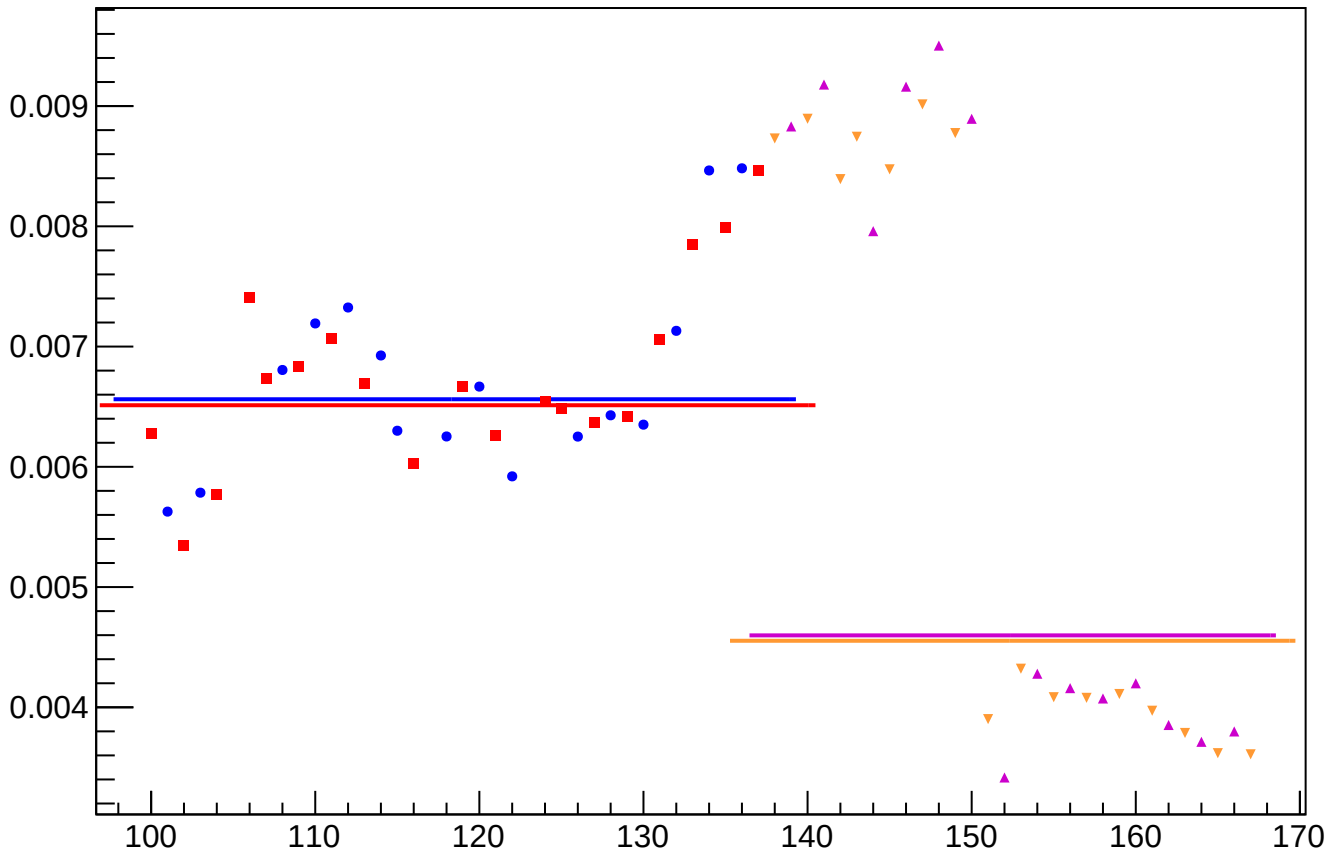
Left In: -1.896+/-0.000 χ^2/NDF : 43283879184.5/13

+ sign -1.978+/-0.000 χ^2/NDF : 55010391550.6/31

All: -1.989+/-0.000 χ^2/NDF : 124488140259.8

- sign -2.002+/-0.000 χ^2/NDF : 69295562541.8/32

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF :2755200.0/15

Right Out: 0.007+/-0.000 χ^2/NDF : 184961.7/18

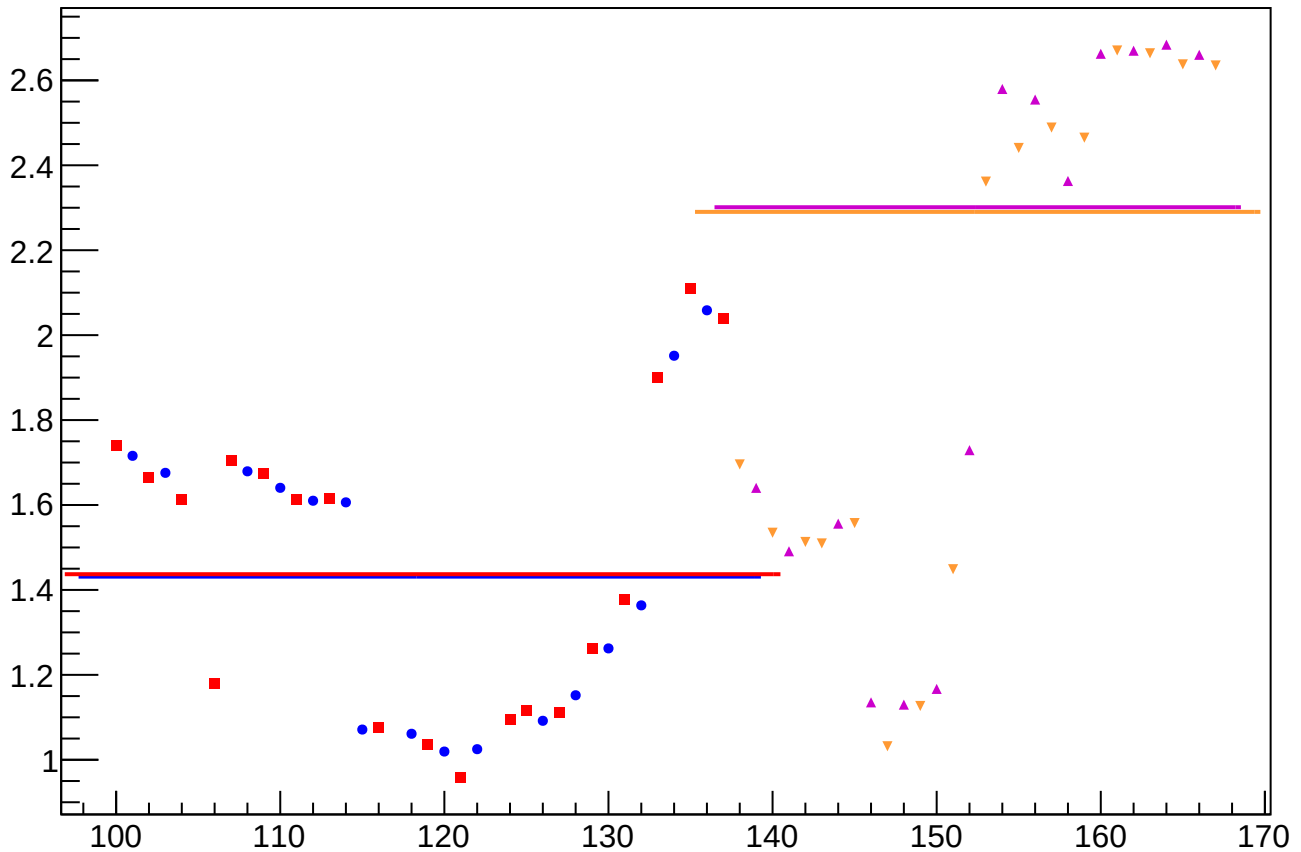
Left In: 0.005+/-0.000 χ^2/NDF :2781746.8/13

+ sign 0.005+/-0.000 χ^2/NDF : 3966856.4/31

All: 0.005+/-0.000 χ^2/NDF : 7836641.8/64

- sign 0.005+/-0.000 χ^2/NDF : 3865552.1/32

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF : 189180734956.1/15

Left Out: 2.290+/-0.000 χ^2/NDF : 205695560612.3/15

Right Out: 1.437+/-0.000 χ^2/NDF : 182019221175.5/18

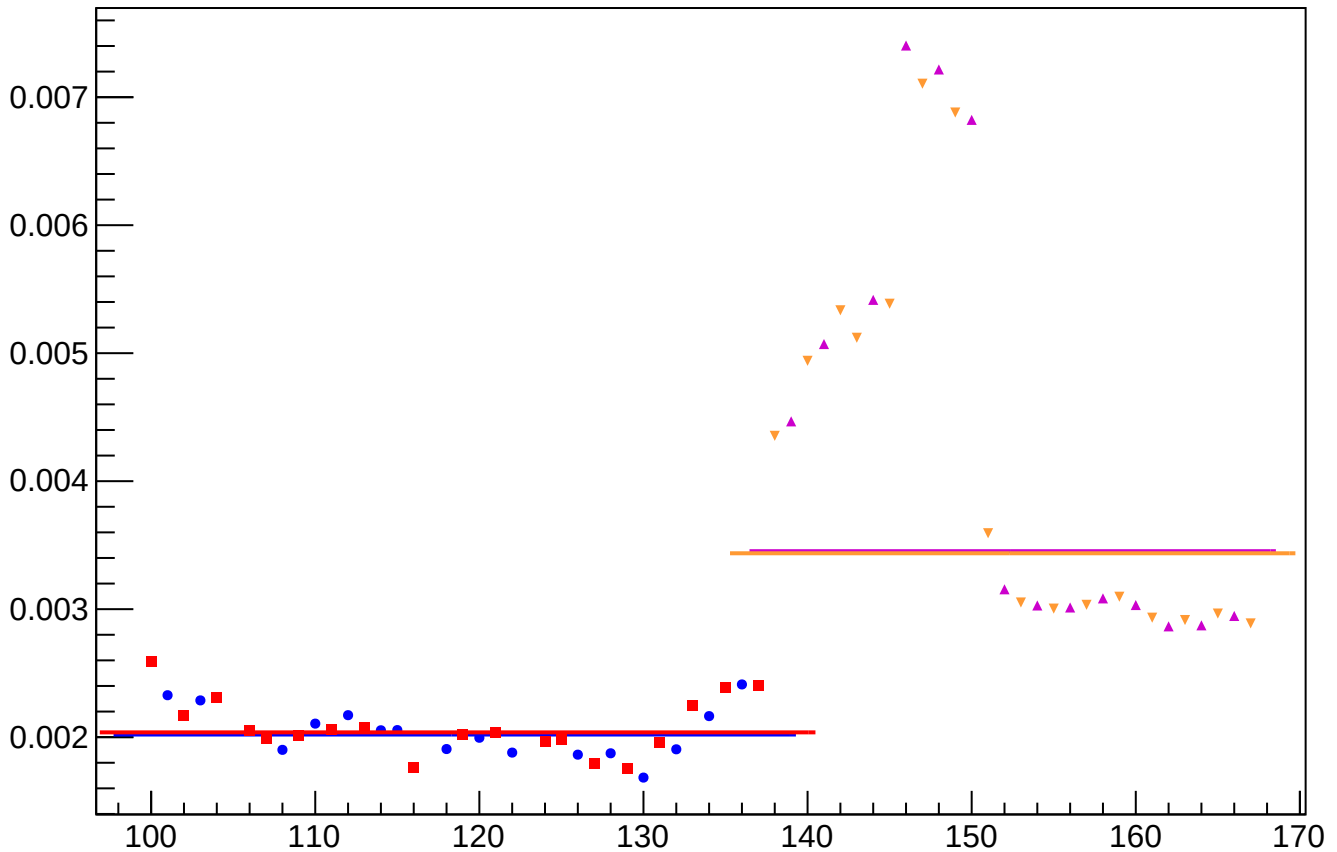
Left In: 2.301+/-0.000 χ^2/NDF : 194962687129.0/13

+ sign 1.743+/-0.000 χ^2/NDF : 829505975765.1/31

All: 1.734+/-0.000 χ^2/NDF : 1614136301043.

- sign 1.726+/-0.000 χ^2/NDF : 784283650073.4/32

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF : 1657048.8/15

Right Out: 0.002+/-0.000 χ^2/NDF : 113640.4/18

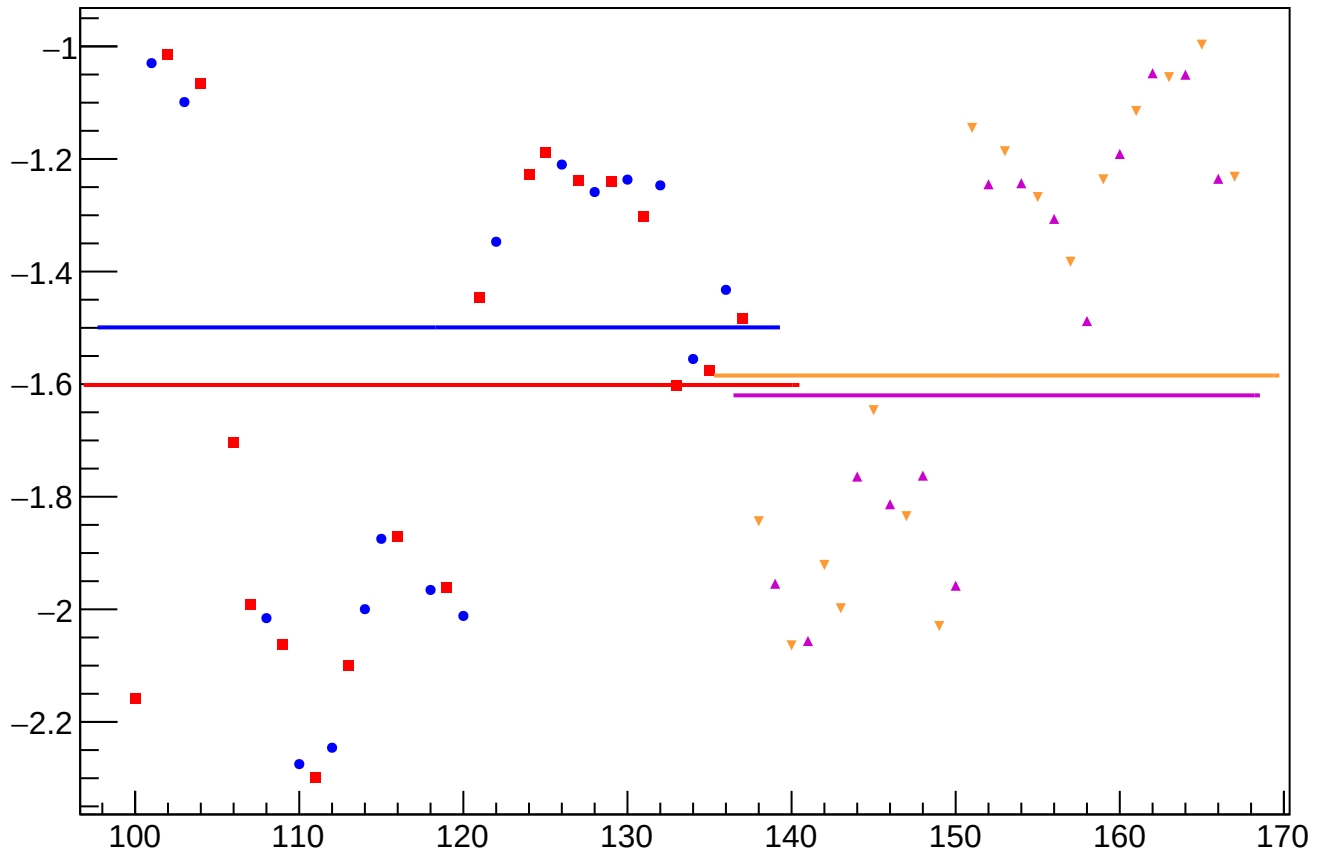
Left In: 0.003+/-0.000 χ^2/NDF : 1872220.0/13

+ sign 0.003+/-0.000 χ^2/NDF : 4174504.1/31

All: 0.003+/-0.000 χ^2/NDF : 8347196.1/64

- sign 0.003+/-0.000 χ^2/NDF : 4171367.3/32

yield_bpm0l01X_mean vs Slug



Right In: -1.499+/-0.000 χ^2/NDF : 22930357522.2/15

Left Out: -1.585+/-0.000 χ^2/NDF : 38750333427.2/15

Right Out: -1.601+/-0.000 χ^2/NDF : 28324914147.6/18

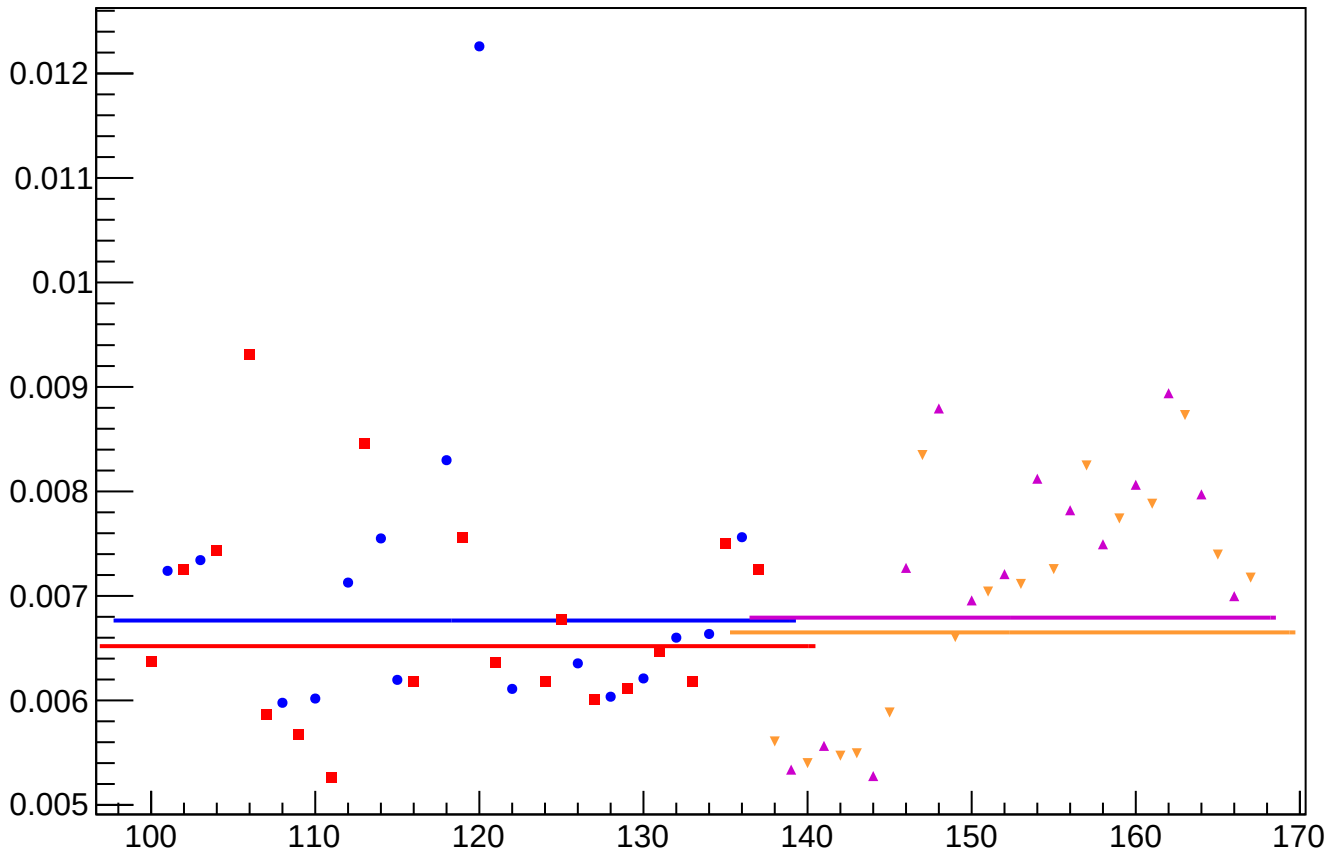
Left In: -1.620+/-0.000 χ^2/NDF : 27166268302.2/13

+ sign -1.555+/-0.000 χ^2/NDF : 62352684535.5/31

All: -1.583+/-0.000 χ^2/NDF : 118532240246.1

- sign -1.612+/-0.000 χ^2/NDF : 55523331379.2/32

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF : 594511.4/15

Right Out: 0.007+/-0.000 χ^2/NDF : 245428.1/18

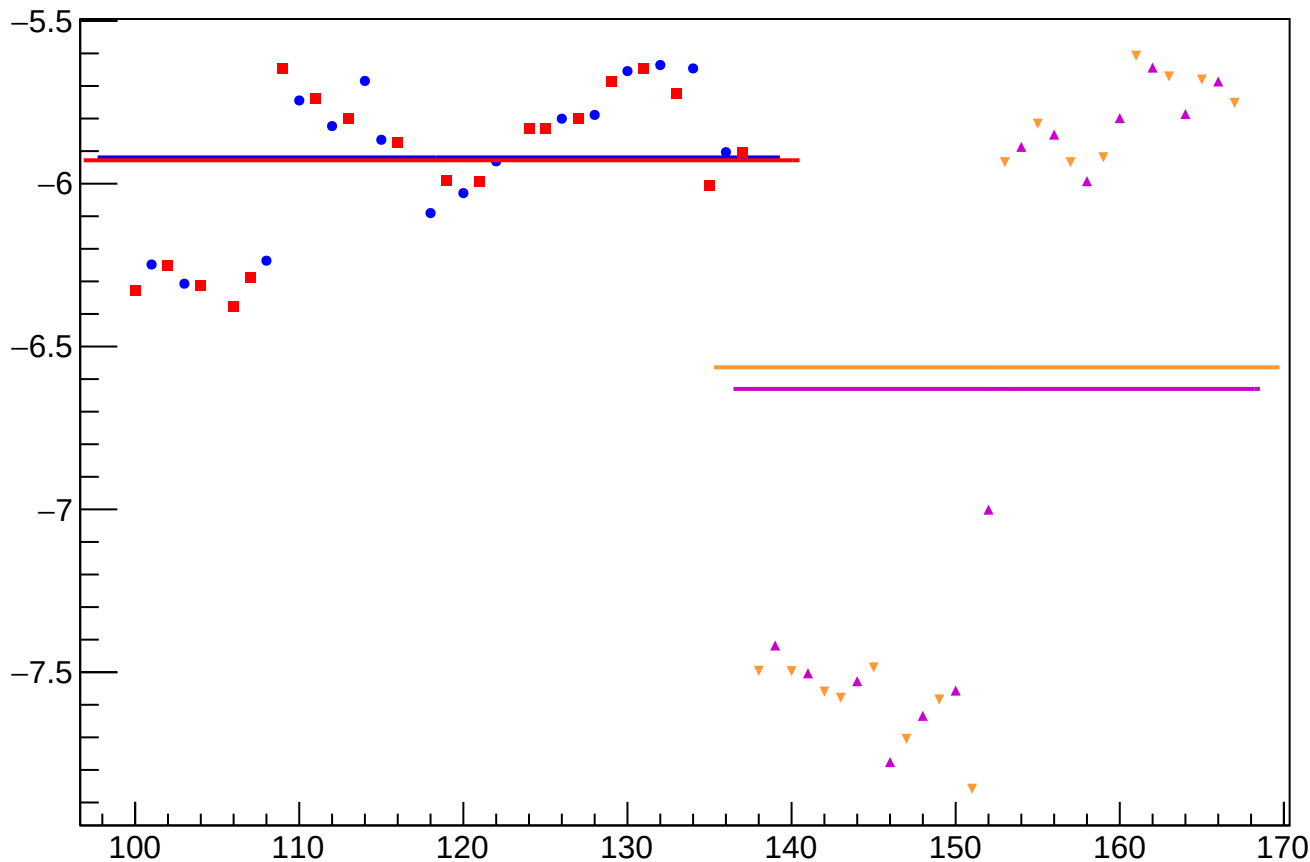
Left In: 0.007+/-0.000 χ^2/NDF : 674444.2/13

+ sign 0.007+/-0.000 χ^2/NDF : 835455.3/31

All: 0.007+/-0.000 χ^2/NDF : 1769443.7/64

- sign 0.007+/-0.000 χ^2/NDF : 933924.1/32

yield_bpm0l01Y_mean vs Slug



Right In: -5.919+/-0.000 χ^2/NDF : 11742457053.3/15

Left Out: -6.564+/-0.000 χ^2/NDF : 94310137355.6/15

Right Out: -5.928+/-0.000 χ^2/NDF : 12641528579.2/18

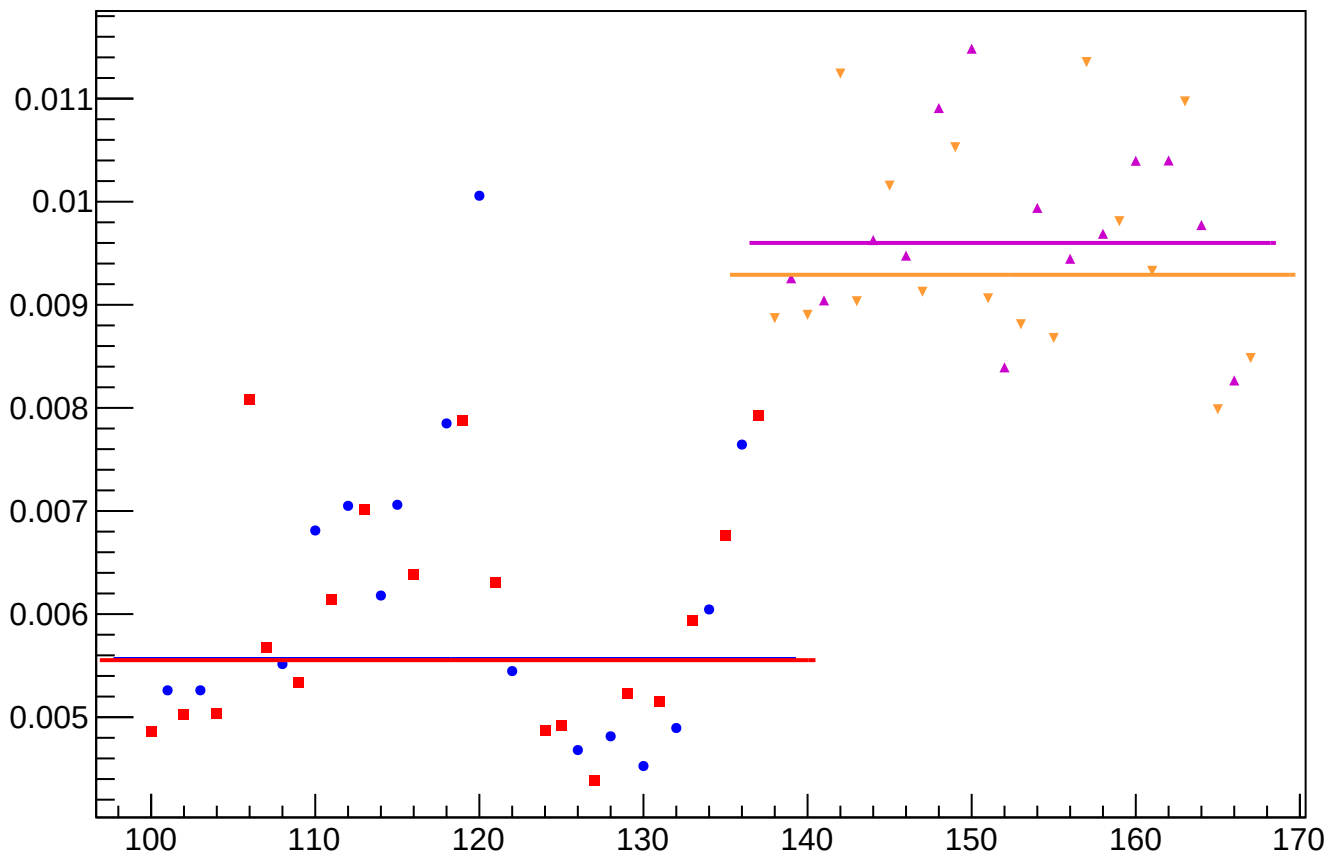
Left In: -6.630+/-0.000 χ^2/NDF : 69781136800.3/13

+ sign -6.155+/-0.000 χ^2/NDF : 136099103517.0/31

All: -6.153+/-0.000 χ^2/NDF : 251397127964.0

- sign -6.150+/-0.000 χ^2/NDF : 115295168684.7/32

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:188200.2/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 364541.1/18

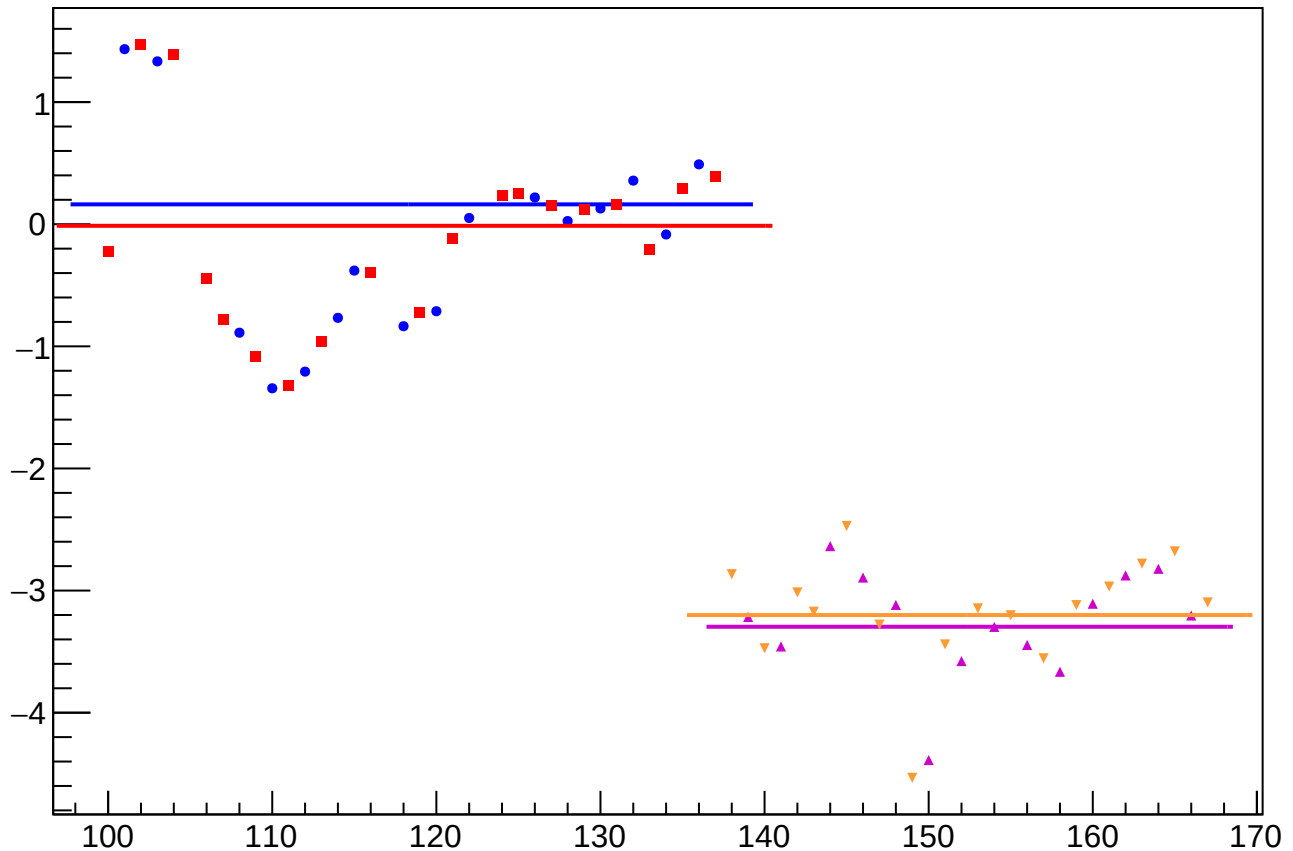
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:137804.0/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2693396.0/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 5383097.8/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2687165.1/32

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF : 17940034444.3/15

Left Out: -3.201+/-0.000 χ^2/NDF : 8101871415.0/15

Right Out: -0.013+/-0.000 χ^2/NDF : 22484002798.8/18

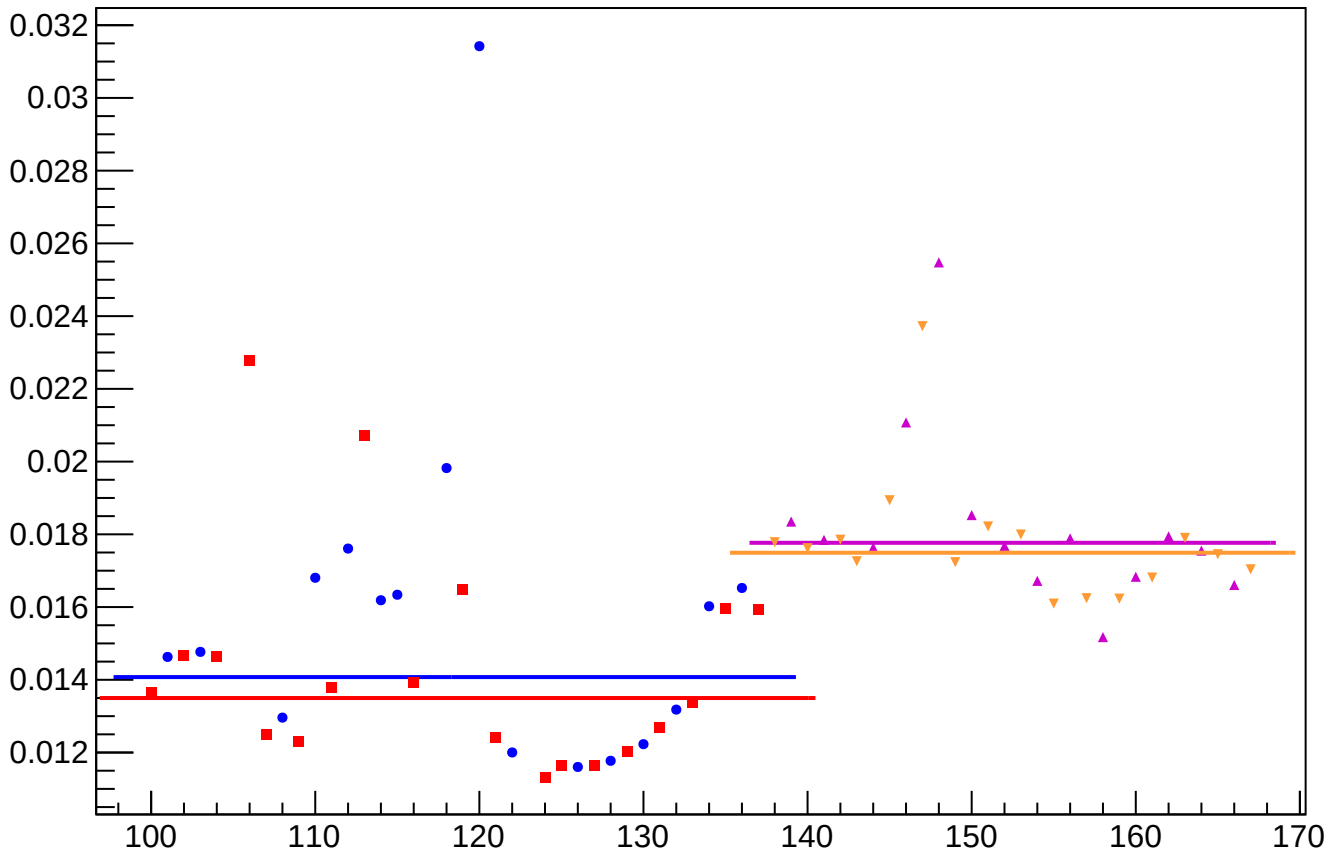
Left In: -3.296+/-0.000 χ^2/NDF : 6281482924.9/13

+ sign -1.691+/-0.000 χ^2/NDF : 224480494817.7/31

All: -1.641+/-0.000 χ^2/NDF : 446227216985.9

- sign -1.591+/-0.000 χ^2/NDF : 221391308728.1/32

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF :153612.4/15

Right Out: 0.013+/-0.000 χ^2/NDF : 314810.3/18

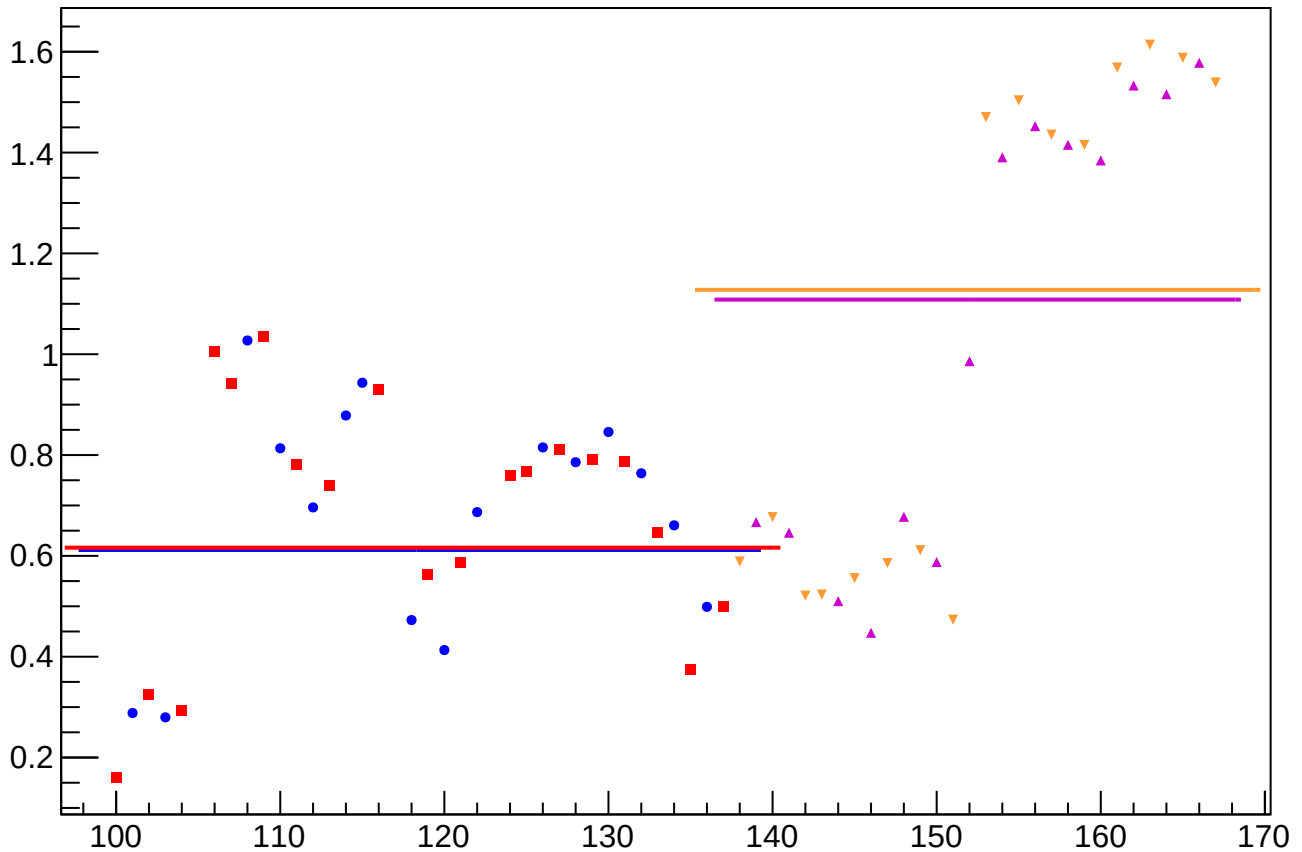
Left In: 0.018+/-0.000 χ^2/NDF :249278.9/13

+ sign 0.016+/-0.000 χ^2/NDF : 1029331.5/31

All: 0.016+/-0.000 χ^2/NDF : 2256501.7/64

- sign 0.016+/-0.000 χ^2/NDF : 1215258.1/32

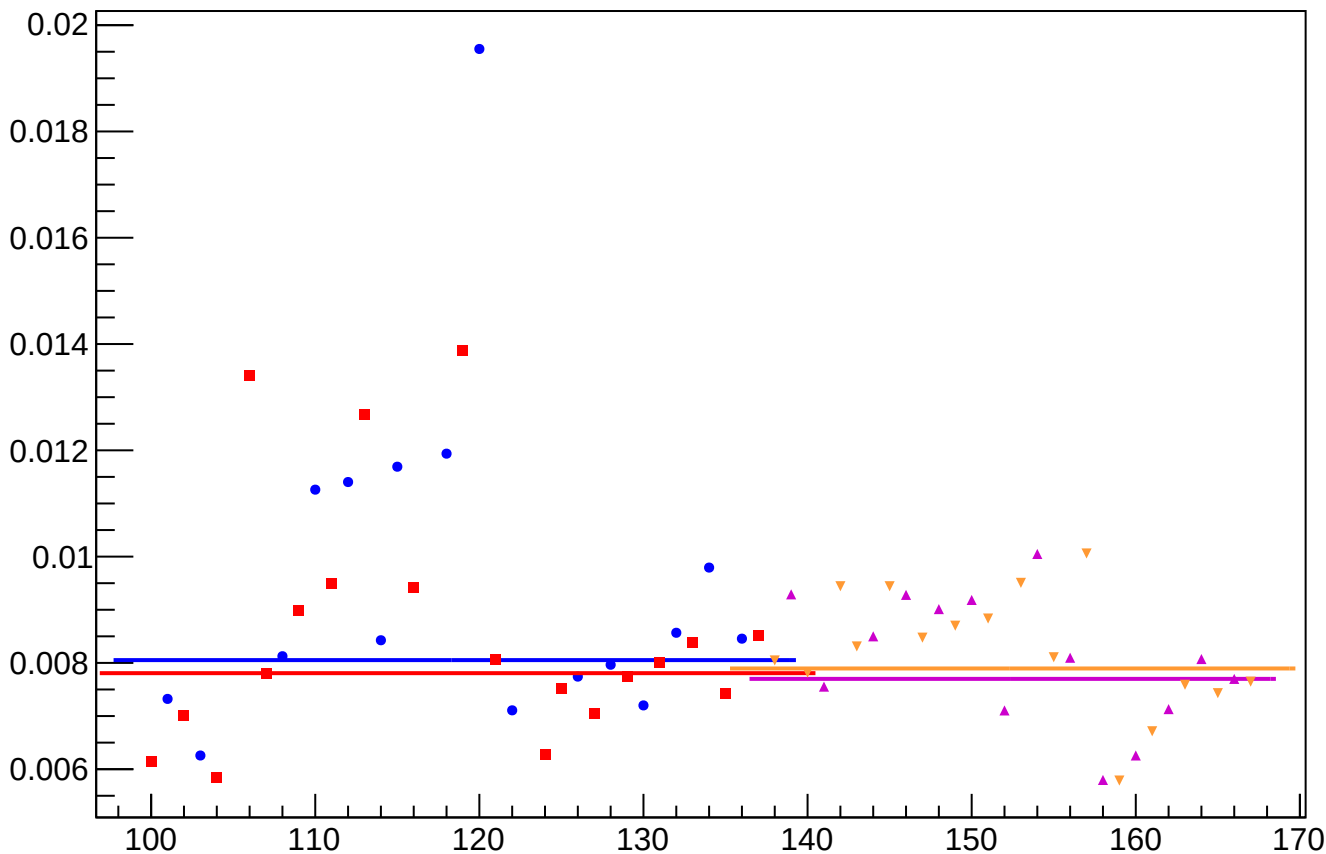
yield_bpm0l02Y_mean vs Slug



Right In: 0.612 $\pm$ 0.000 χ^2 /NDF: 5639014502.0/15
 Left Out: 1.128 $\pm$ 0.000 χ^2 /NDF:38354570430.5/15
 Right Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 6419512040.7/18
 Left In: 1.108 $\pm$ 0.000 χ^2 /NDF:28532720888.2/13

+ sign 0.947 $\pm$ 0.000 χ^2 /NDF: 60353928577.0/31
 All: 0.934 $\pm$ 0.000 χ^2 /NDF: 111132978735.7
 - sign 0.920 $\pm$ 0.000 χ^2 /NDF: 50677639066.5/32

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 598309.5/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 467966.5/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 587157.2/18

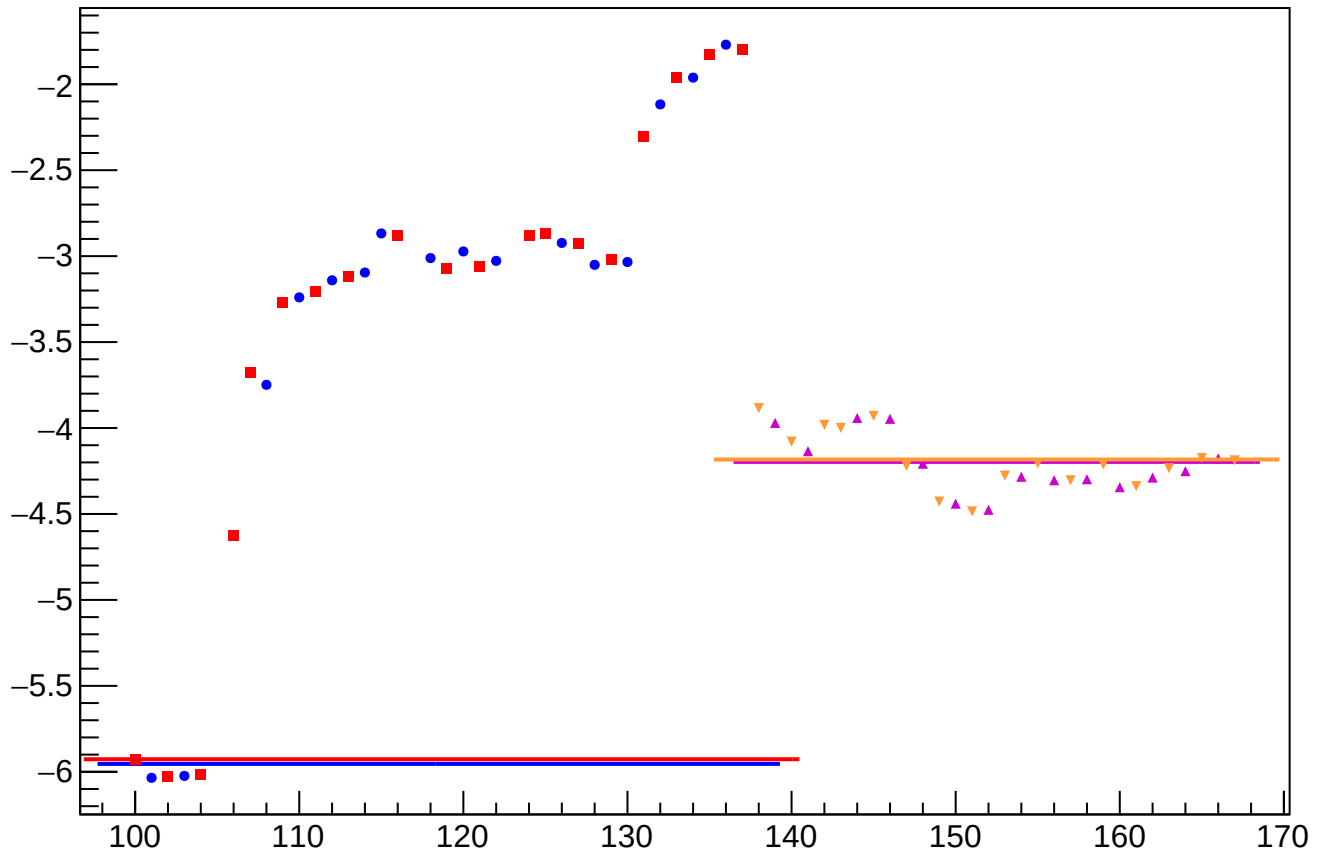
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 537369.5/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1069317.3/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2207326.7/64

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1126029.4/32

yield_bpm0l03X_mean vs Slug



Right In: -5.954+/-0.000 χ^2 /NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2 /NDF: 52564170.8/15

Right Out: -5.927+/-0.000 χ^2 /NDF: 13922819741.5/18

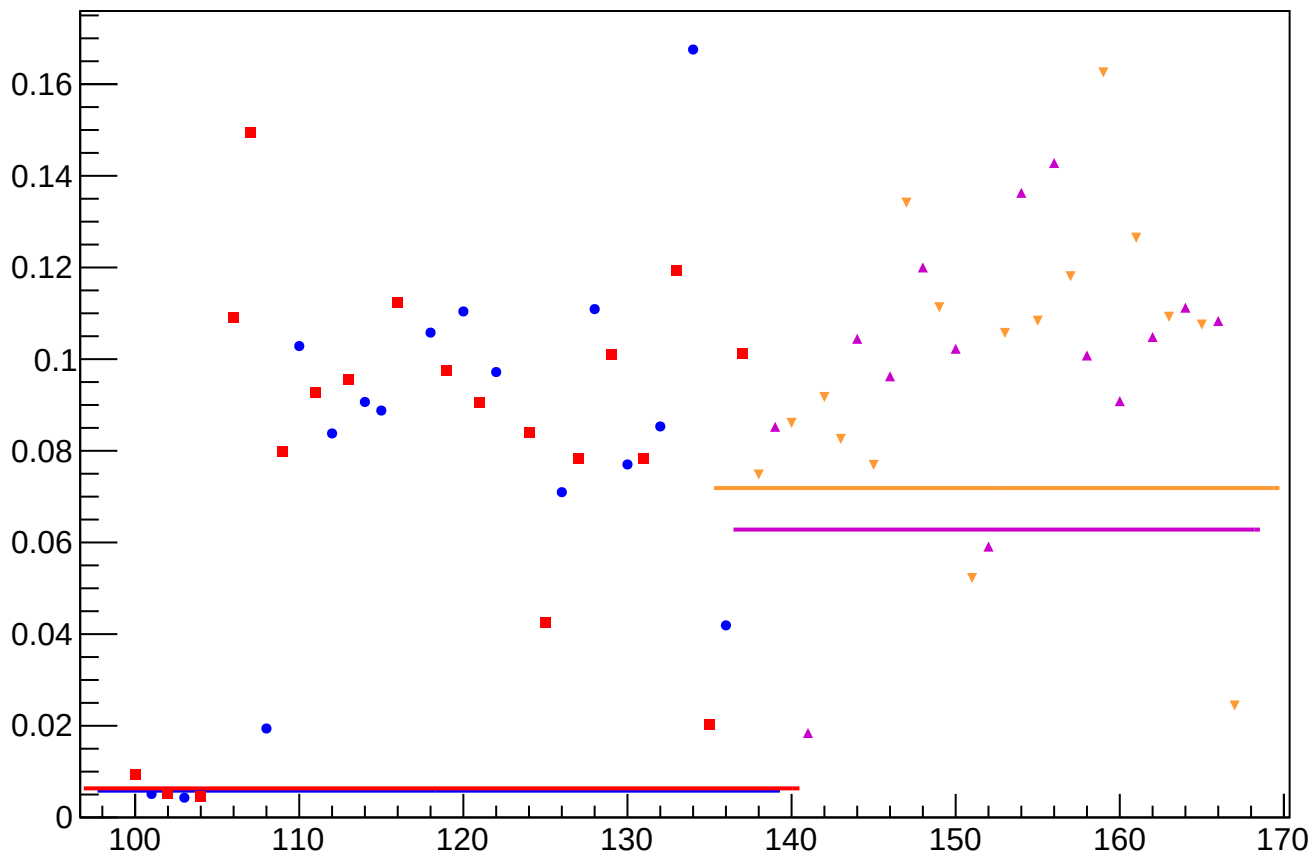
Left In: -4.197+/-0.000 χ^2 /NDF: 39990453.8/13

+ sign -5.900+/-0.000 χ^2 /NDF: 18068353662.6/31

All: -5.884+/-0.000 χ^2 /NDF: 36710134434.2/31

- sign -5.863+/-0.000 χ^2 /NDF: 18609193454.2/32

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8700553.3/15

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:4209987.0/15

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8751831.3/18

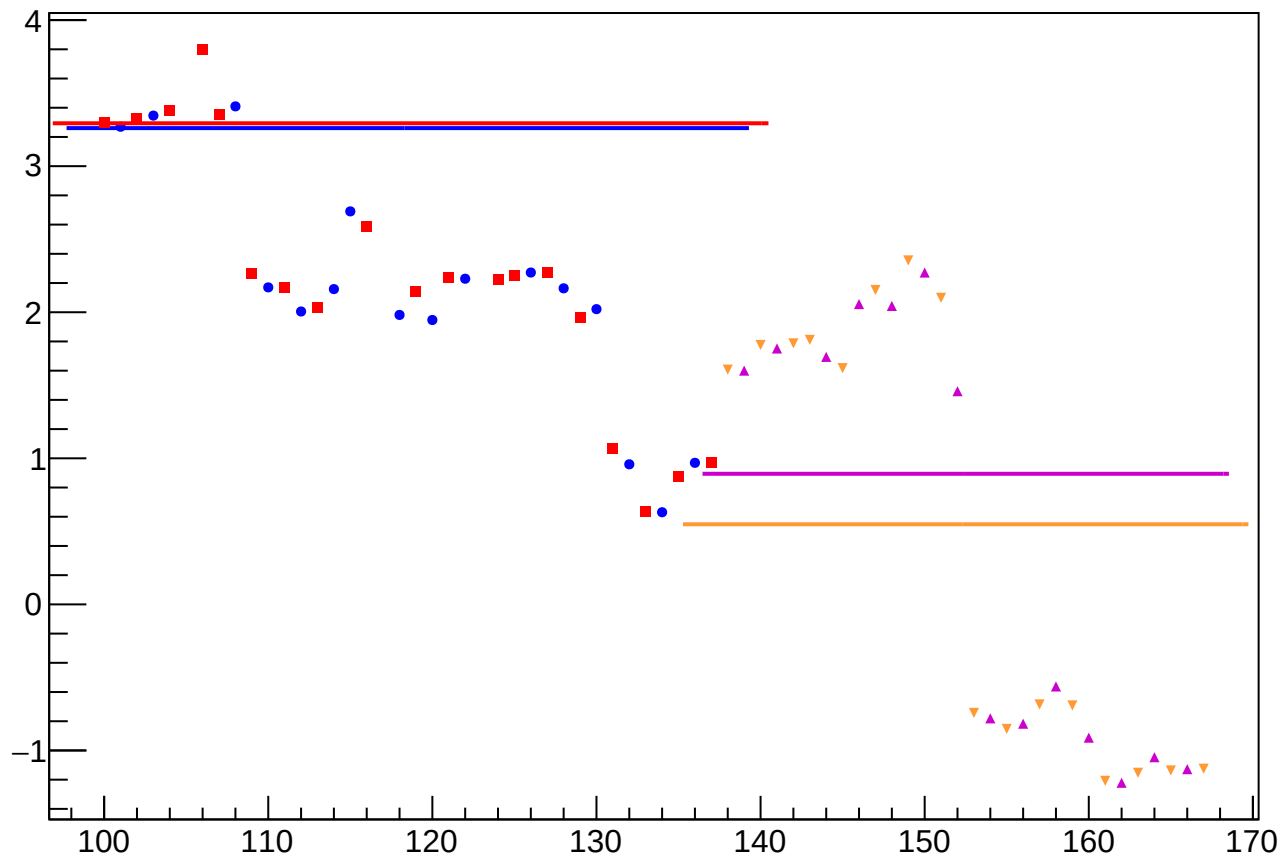
Left In: 0.063 $\pm$ 0.000 χ^2 /NDF:5586100.3/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 26577749.0/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 50831057.9/64

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 24237928.7/32

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 3009624113.9/15

Left Out: 0.548 $\pm$ 0.000 χ^2 /NDF:2803422920.4/15

Right Out: 3.294 $\pm$ 0.000 χ^2 /NDF: 3243748149.8/18

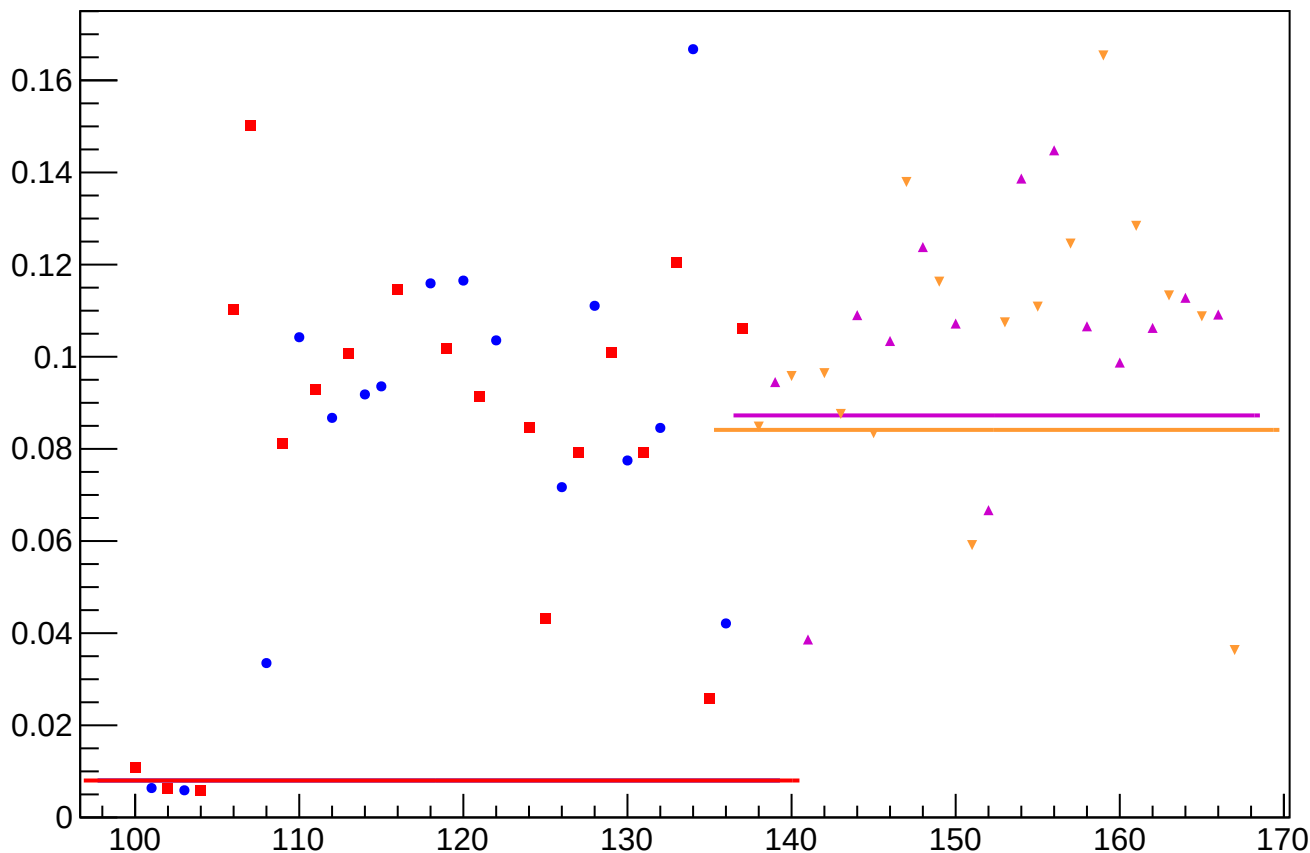
Left In: 0.894 $\pm$ 0.000 χ^2 /NDF:1782963905.5/13

+ sign 3.151 $\pm$ 0.000 χ^2 /NDF: 15056575308.6/31

All: 3.178 $\pm$ 0.000 χ^2 /NDF: 26174811665.5/6

- sign 3.208 $\pm$ 0.000 χ^2 /NDF: 11067423310.1/32

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8415681.1/15

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:2748913.3/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8542249.7/18

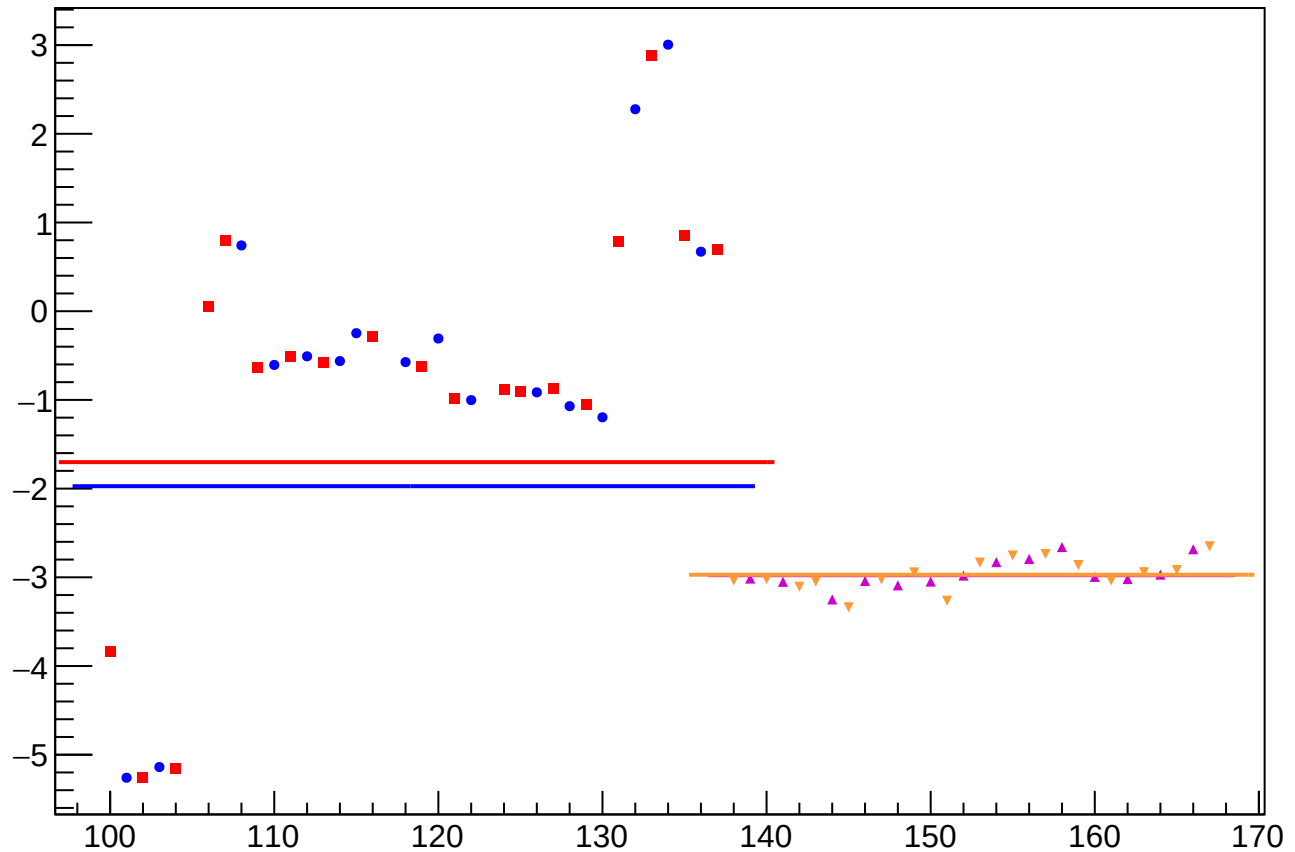
Left In: 0.087 $\pm$ 0.000 χ^2 /NDF:2242713.6/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 25721446.6/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 49684439.4/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 23961120.8/32

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF : 161975701237.3/15

Left Out: -2.971+/-0.000 χ^2/NDF : 5828667808.1/15

Right Out: -1.702+/-0.000 χ^2/NDF : 168156981746.0/18

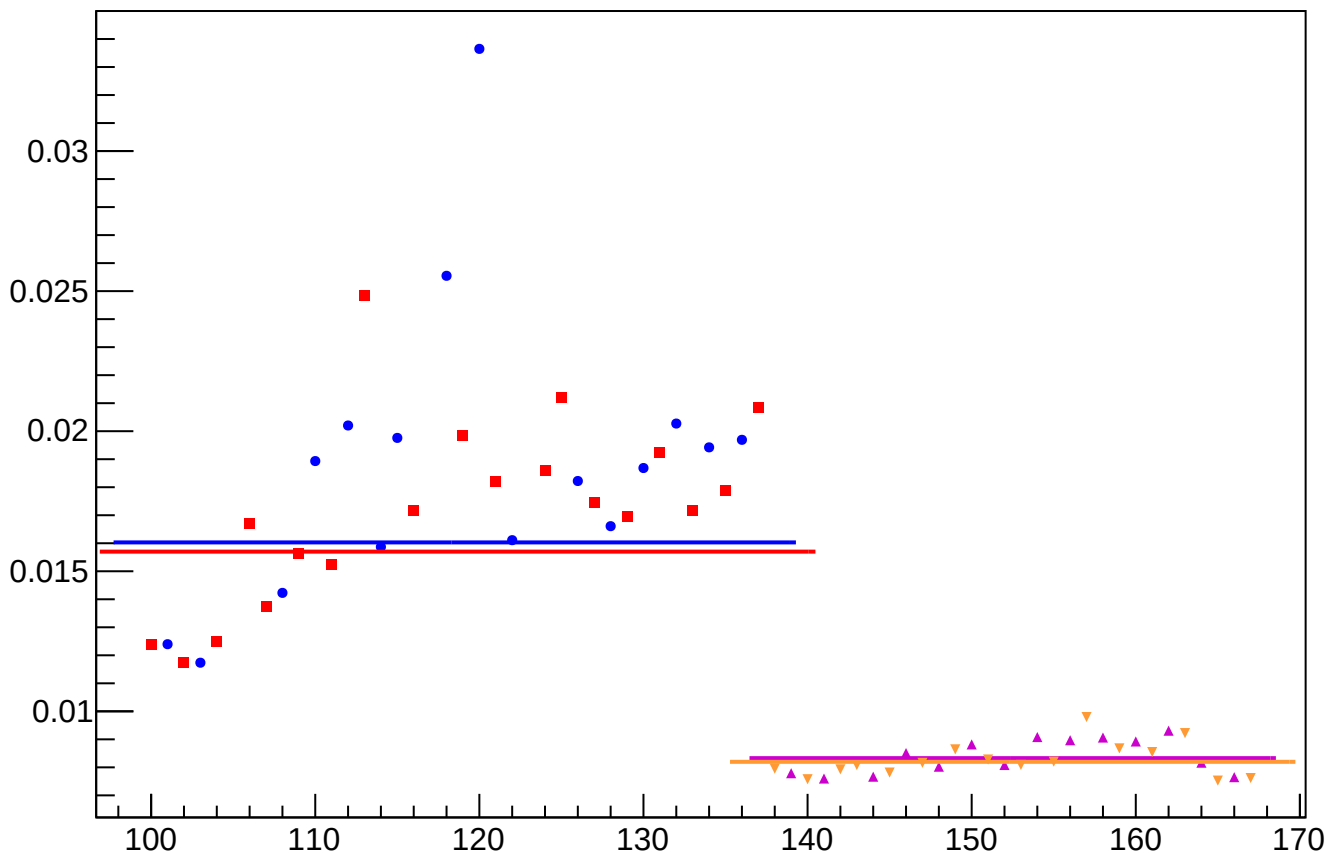
Left In: -2.976+/-0.000 χ^2/NDF : 3859471656.1/13

+ sign -2.858+/-0.000 χ^2/NDF : 187823896098.2/31

All: -2.828+/-0.000 χ^2/NDF : 396225036404.5

- sign -2.796+/-0.000 χ^2/NDF : 208031807551.2/32

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:107447.7/15

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 504766.0/18

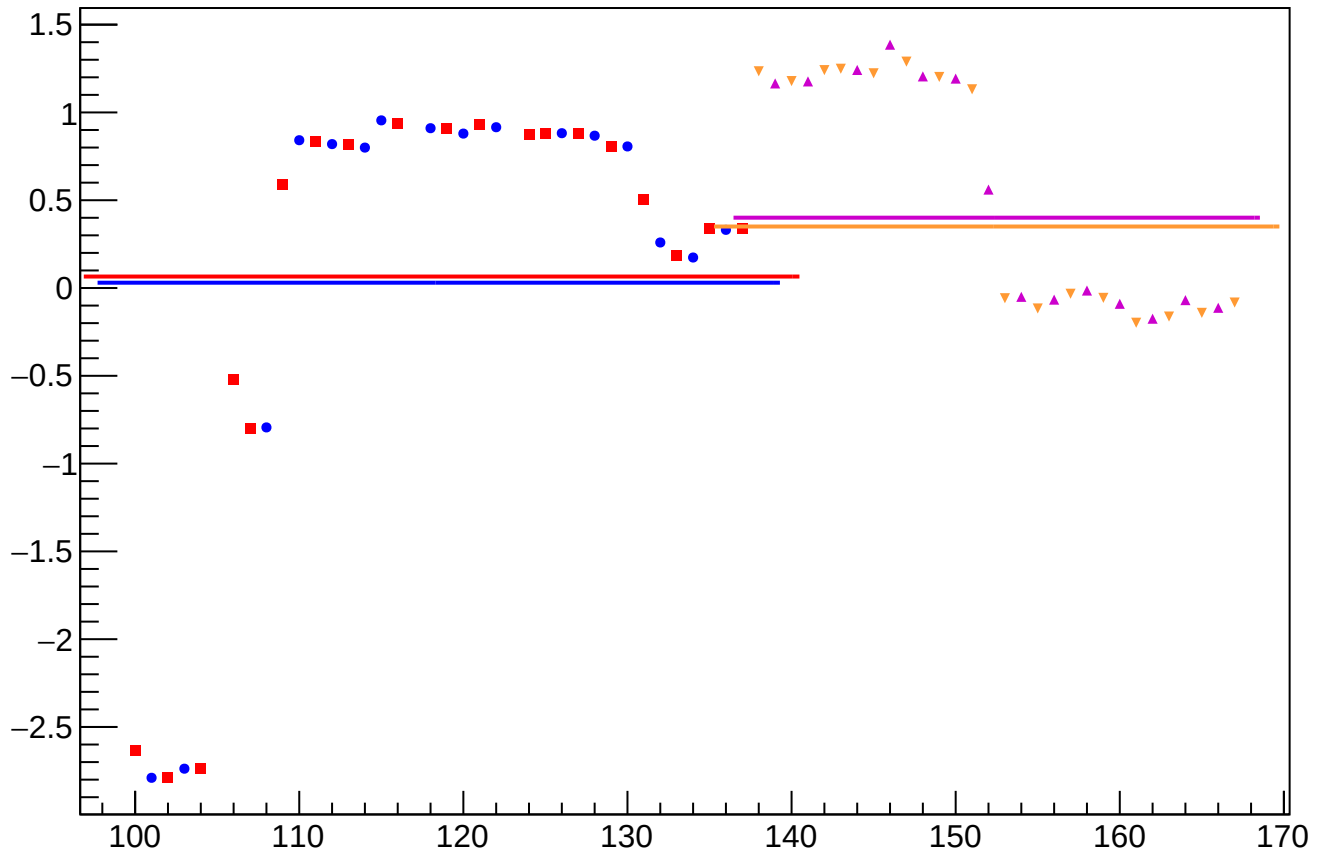
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:108867.9/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3307148.6/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6346504.1/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3023698.0/32

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 851677270962.0/15

Left Out: 0.350+/-0.000 χ^2/NDF : 92446587535.7/15

Right Out: 0.065+/-0.000 χ^2/NDF : 935478930138.7/18

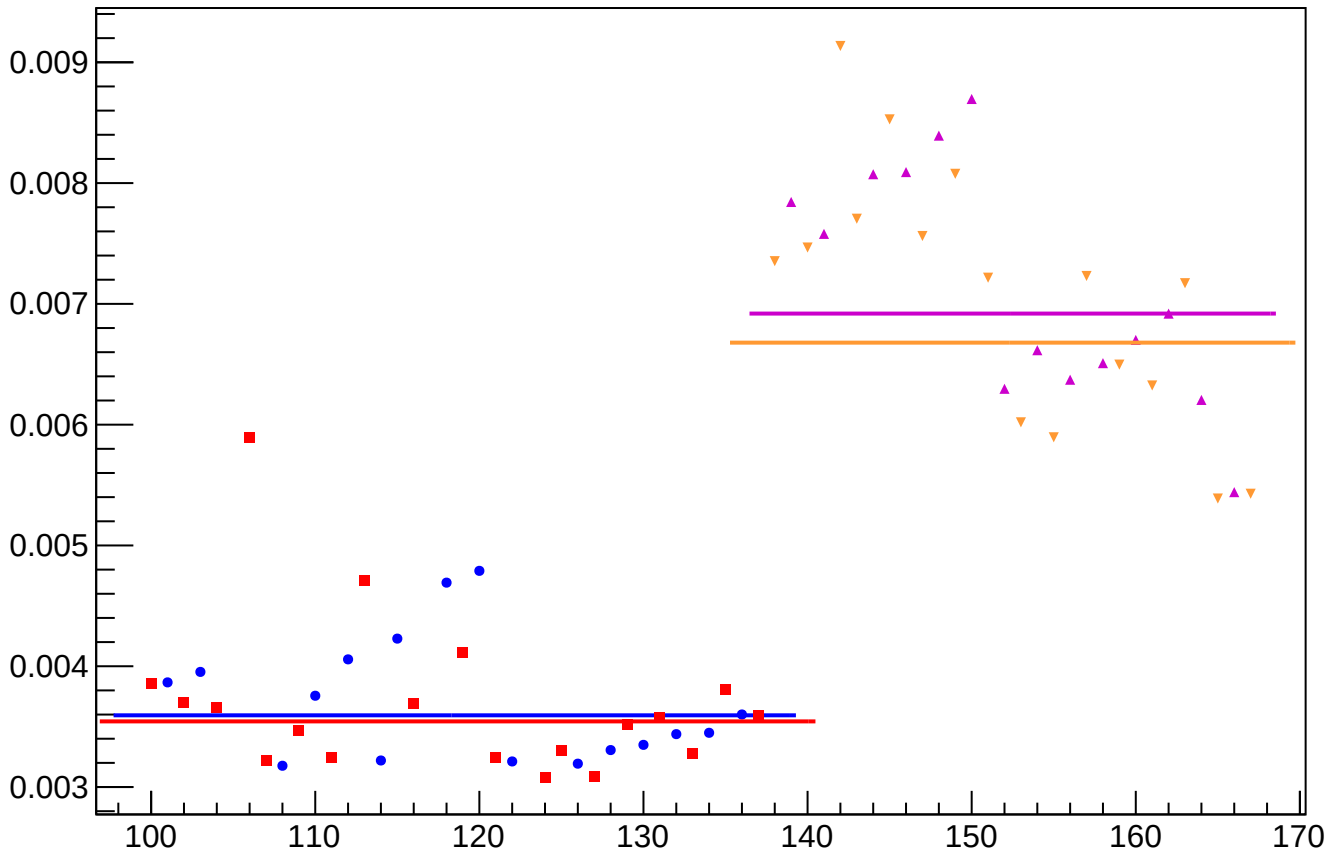
Left In: 0.401+/-0.000 χ^2/NDF : 72101676083.9/13

+ sign 0.129+/-0.000 χ^2/NDF : 960608491788.2/31

All: 0.141+/-0.000 χ^2/NDF : 1984926842057.

- sign 0.153+/-0.000 χ^2/NDF : 1024095952537.7/32

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 180415.0/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:439567.3/15

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 224729.1/18

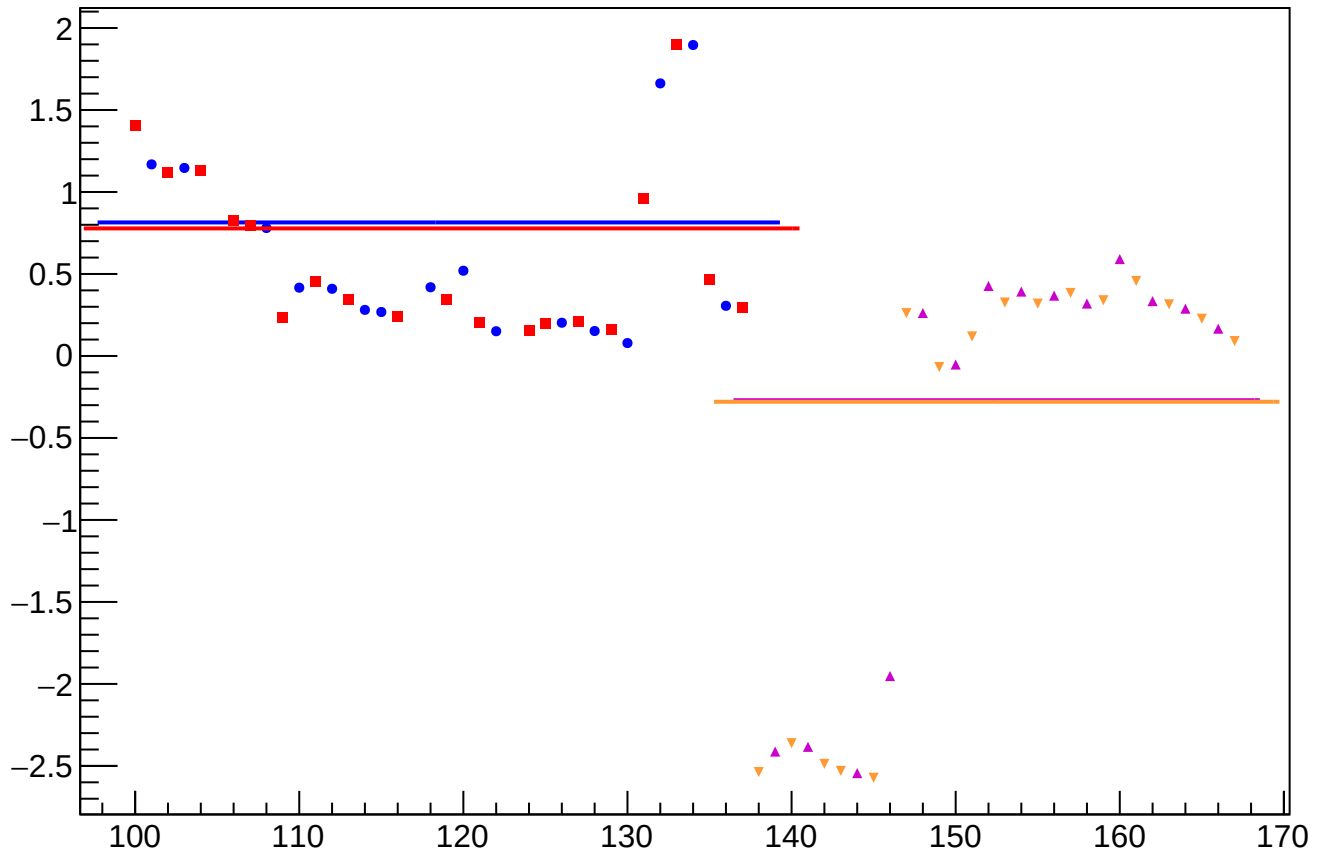
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:323873.1/13

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3684324.3/31

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 7593771.7/64

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3899123.3/32

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF : 35412149008.2/15

Left Out: -0.279+/-0.000 χ^2/NDF : 358075475412.1/15

Right Out: 0.778+/-0.000 χ^2/NDF : 34603328062.2/18

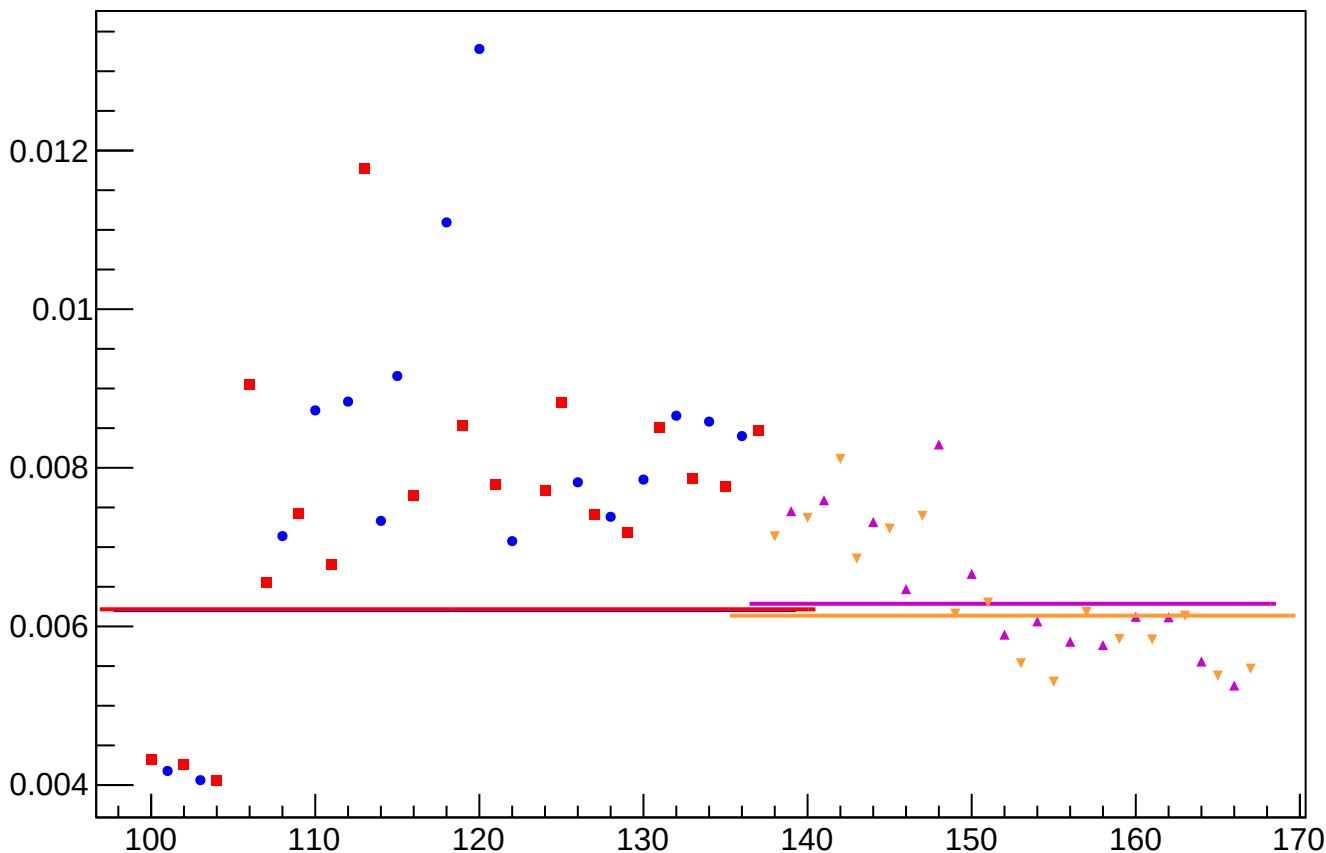
Left In: -0.270+/-0.000 χ^2/NDF : 319558655874.6/13

+ sign 0.078+/-0.000 χ^2/NDF : 509639653380.1/31

All: 0.099+/-0.000 χ^2/NDF : 971151550812.3

- sign 0.121+/-0.000 χ^2/NDF : 461121778081.4/32

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF : 309244.0/15

Right Out: 0.006+/-0.000 χ^2/NDF : 1161117.9/18

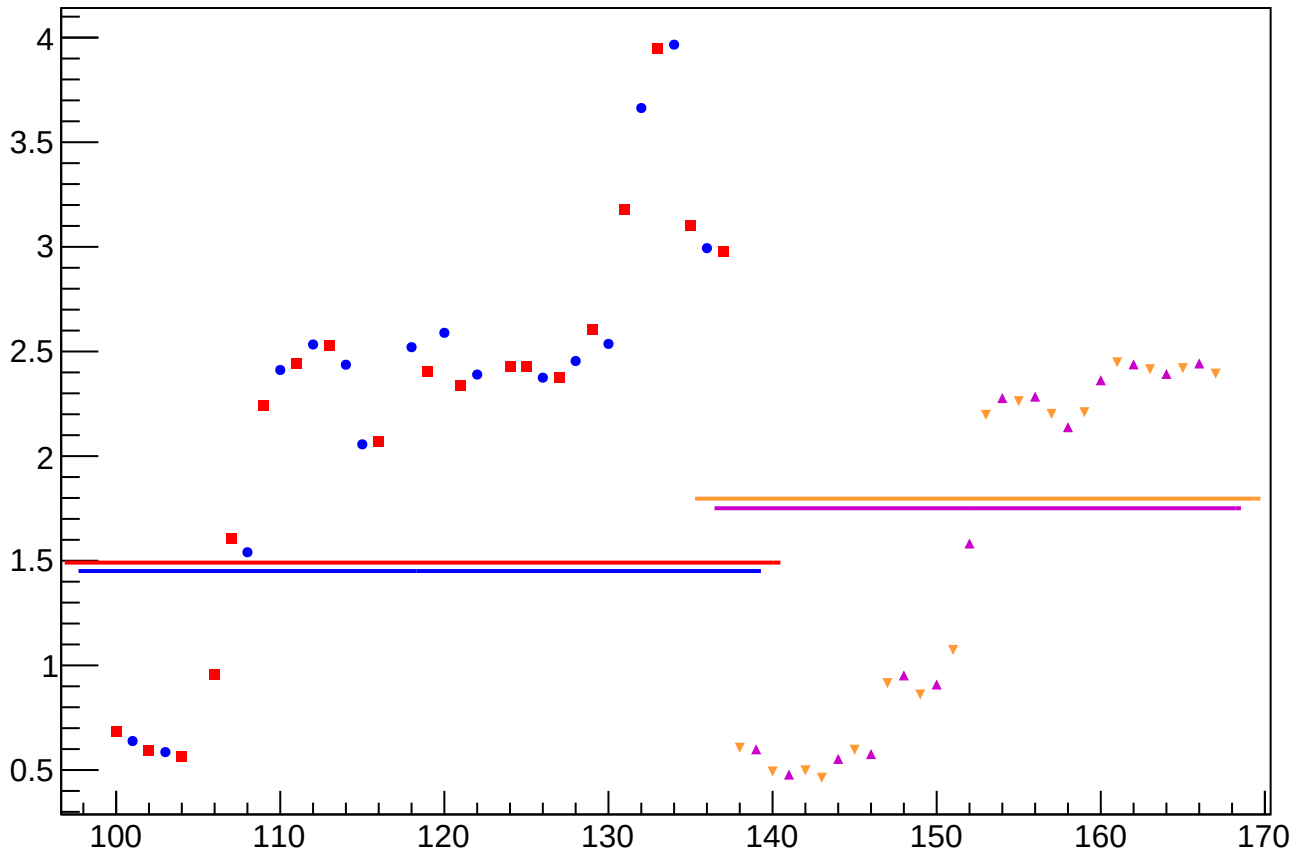
Left In: 0.006+/-0.000 χ^2/NDF : 304657.0/13

+ sign 0.006+/-0.000 χ^2/NDF : 1734073.9/31

All: 0.006+/-0.000 χ^2/NDF : 3205145.1/64

- sign 0.006+/-0.000 χ^2/NDF : 1466715.4/32

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF : 169635774704.4/15

Left Out: 1.797+/-0.000 χ^2/NDF : 187989274310.2/15

Right Out: 1.491+/-0.000 χ^2/NDF : 186952709821.0/18

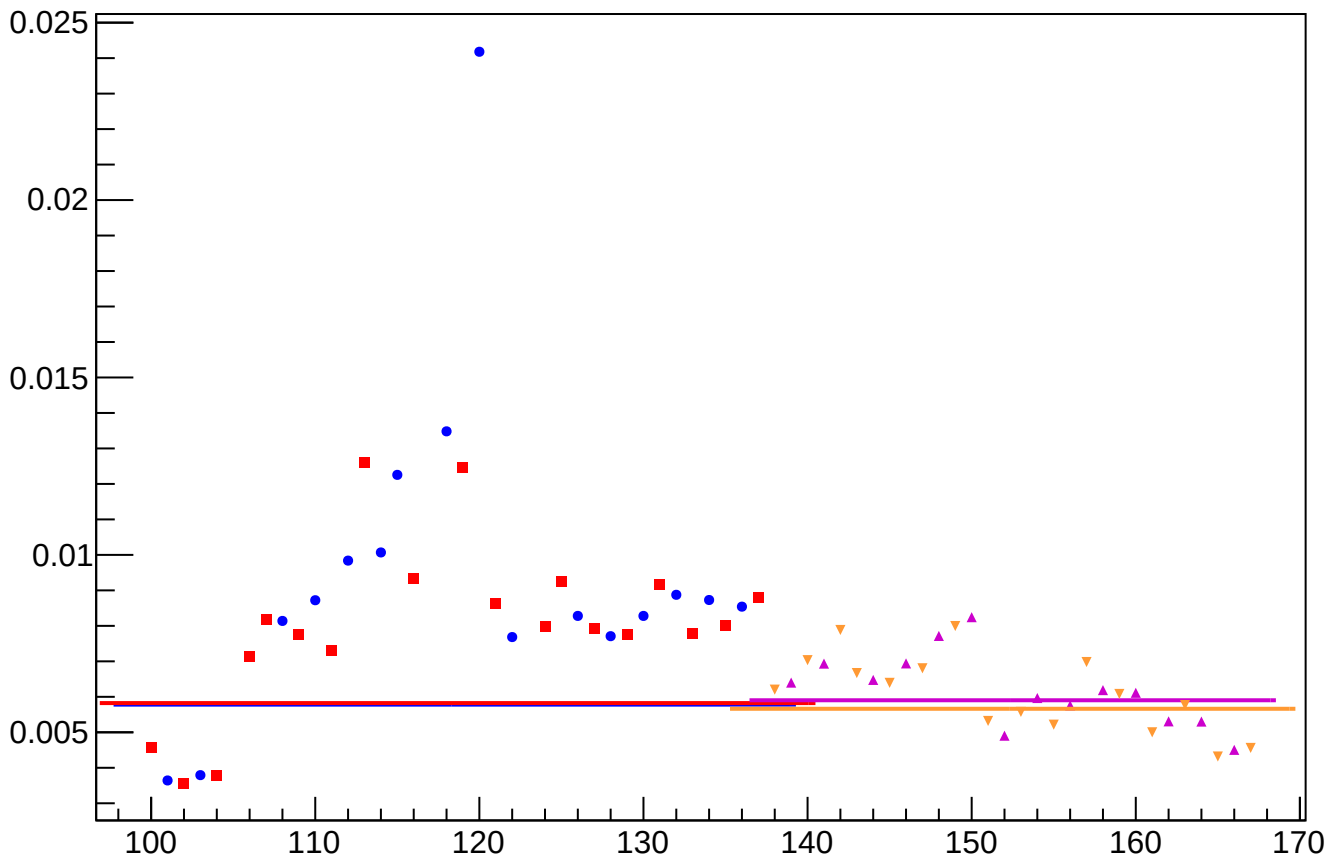
Left In: 1.751+/-0.000 χ^2/NDF : 154351748342.5/13

+ sign 1.685+/-0.000 χ^2/NDF : 369761035315.8/31

All: 1.669+/-0.000 χ^2/NDF : 718057134576.3

- sign 1.652+/-0.000 χ^2/NDF : 348059356593.1/32

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF :591901.5/15

Right Out: 0.006+/-0.000 χ^2/NDF : 1955751.4/18

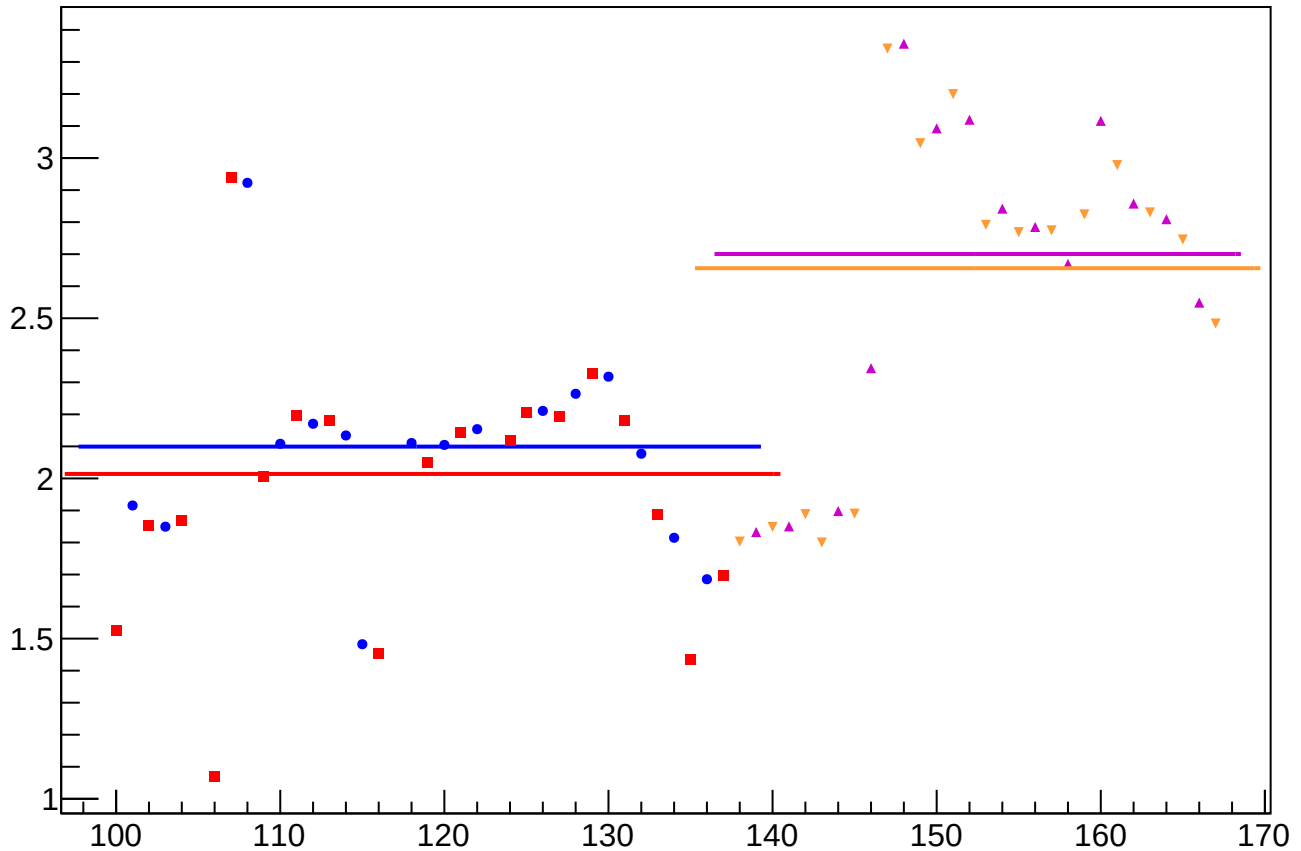
Left In: 0.006+/-0.000 χ^2/NDF :464691.3/13

+ sign 0.006+/-0.000 χ^2/NDF : 2808581.5/31

All: 0.006+/-0.000 χ^2/NDF : 5243407.2/64

- sign 0.006+/-0.000 χ^2/NDF : 2421704.3/32

yield_bpm0l06X_mean vs Slug



Right In: 2.099+/-0.000 χ^2/NDF : 13928556396.8/15

Left Out: 2.656+/-0.000 χ^2/NDF : 43394309198.8/15

Right Out: 2.014+/-0.000 χ^2/NDF : 19615856596.5/18

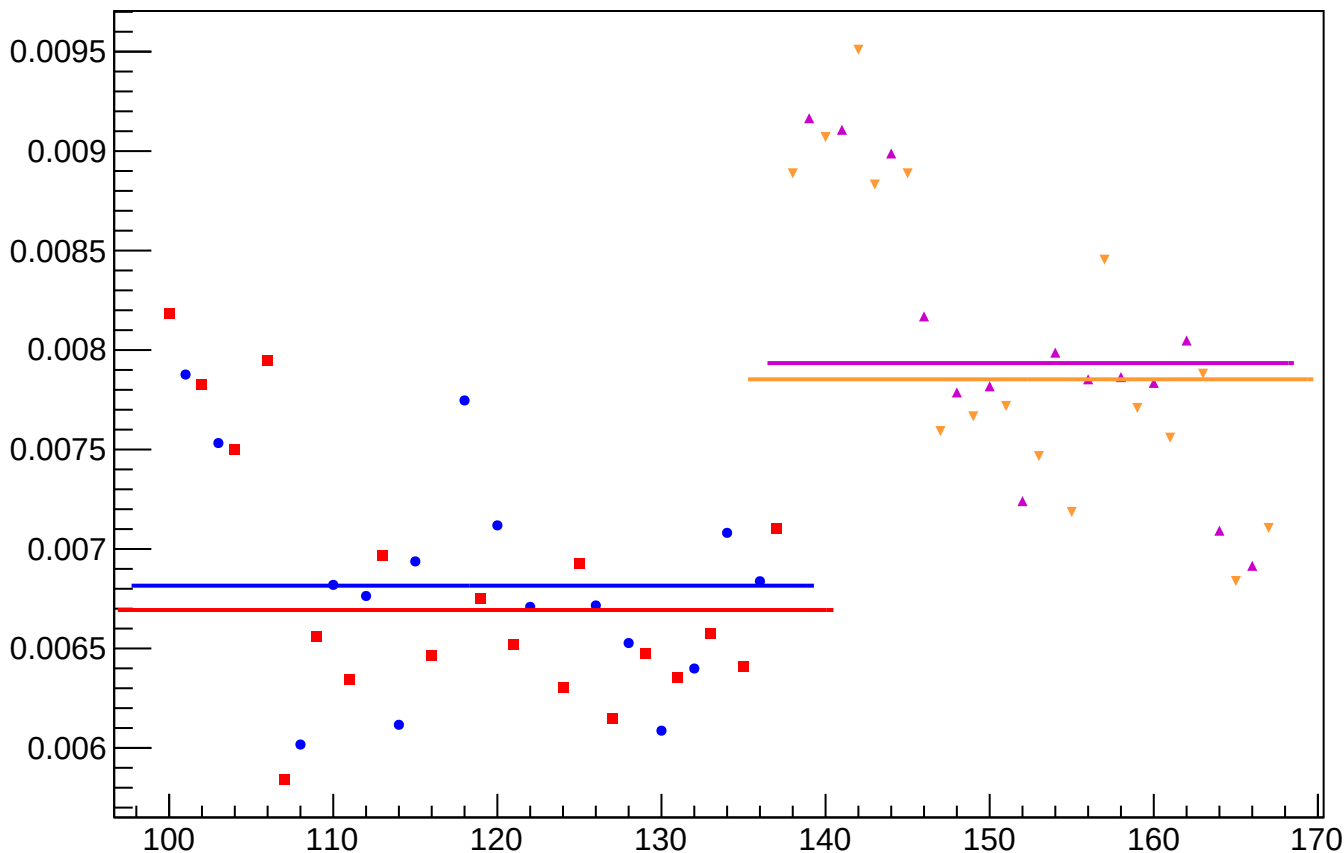
Left In: 2.700+/-0.000 χ^2/NDF : 36455180508.2/13

+ sign 2.413+/-0.000 χ^2/NDF : 83030086167.0/31

All: 2.392+/-0.000 χ^2/NDF : 178414108509.0

- sign 2.370+/-0.000 χ^2/NDF : 95074705454.1/32

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF :184715.9/15

Right Out: 0.007+/-0.000 χ^2/NDF : 87876.9/18

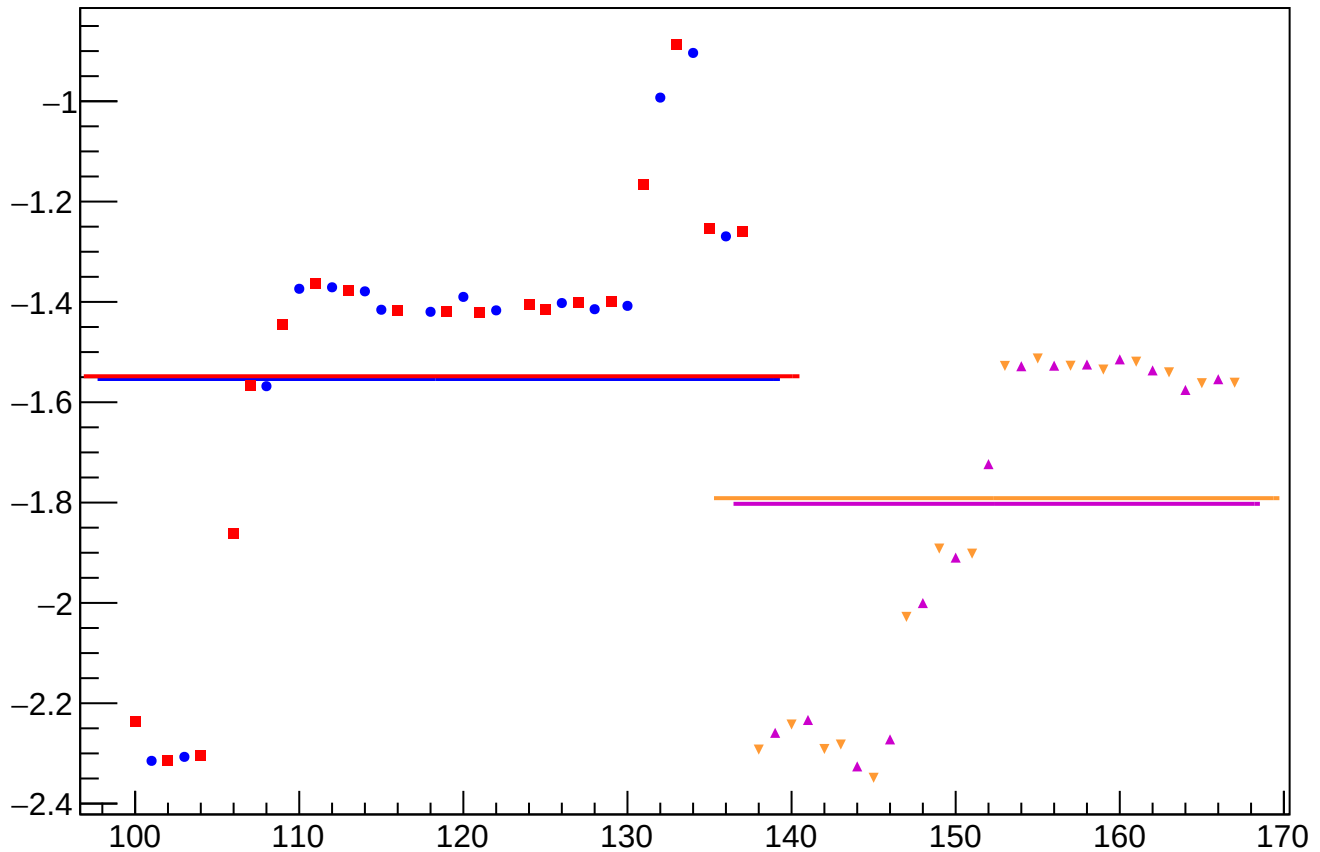
Left In: 0.008+/-0.000 χ^2/NDF :138735.9/13

+ sign 0.007+/-0.000 χ^2/NDF : 449920.1/31

All: 0.007+/-0.000 χ^2/NDF : 932867.2/64

- sign 0.007+/-0.000 χ^2/NDF : 481617.6/32

yield_bpm0l06Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 175176621986.0/15

Left Out: -1.791+/-0.000 χ^2/NDF : 131320219383.3/15

Right Out: -1.548+/-0.000 χ^2/NDF : 174743666302.8/18

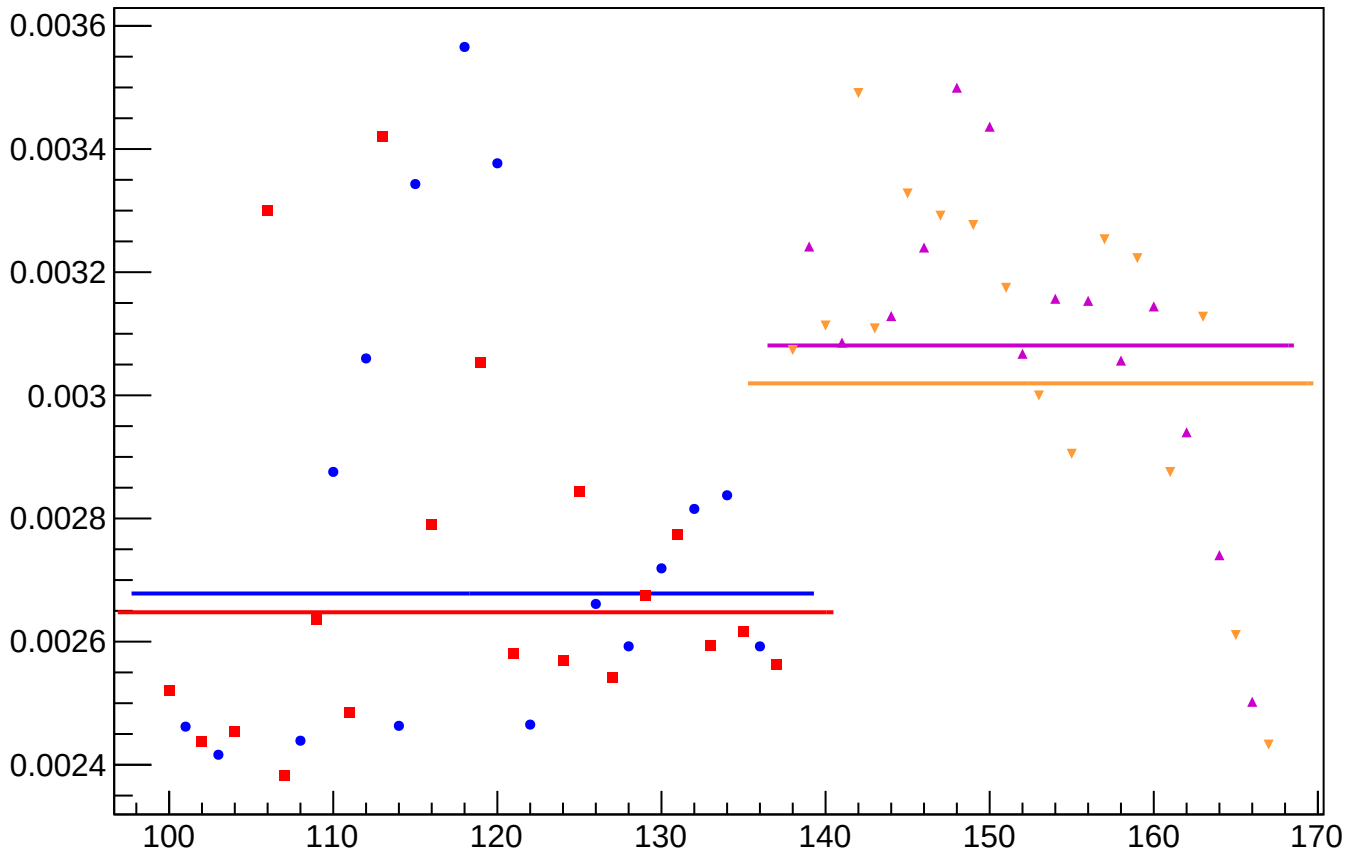
Left In: -1.802+/-0.000 χ^2/NDF : 114134787941.6/13

+ sign -1.690+/-0.000 χ^2/NDF : 336827261323.2/31

All: -1.686+/-0.000 χ^2/NDF : 659904033919.8

- sign -1.682+/-0.000 χ^2/NDF : 323013073766.6/32

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 : 198136.6/15

Right Out: 0.003+/-0.000 χ^2/NDF : 116150.5/18

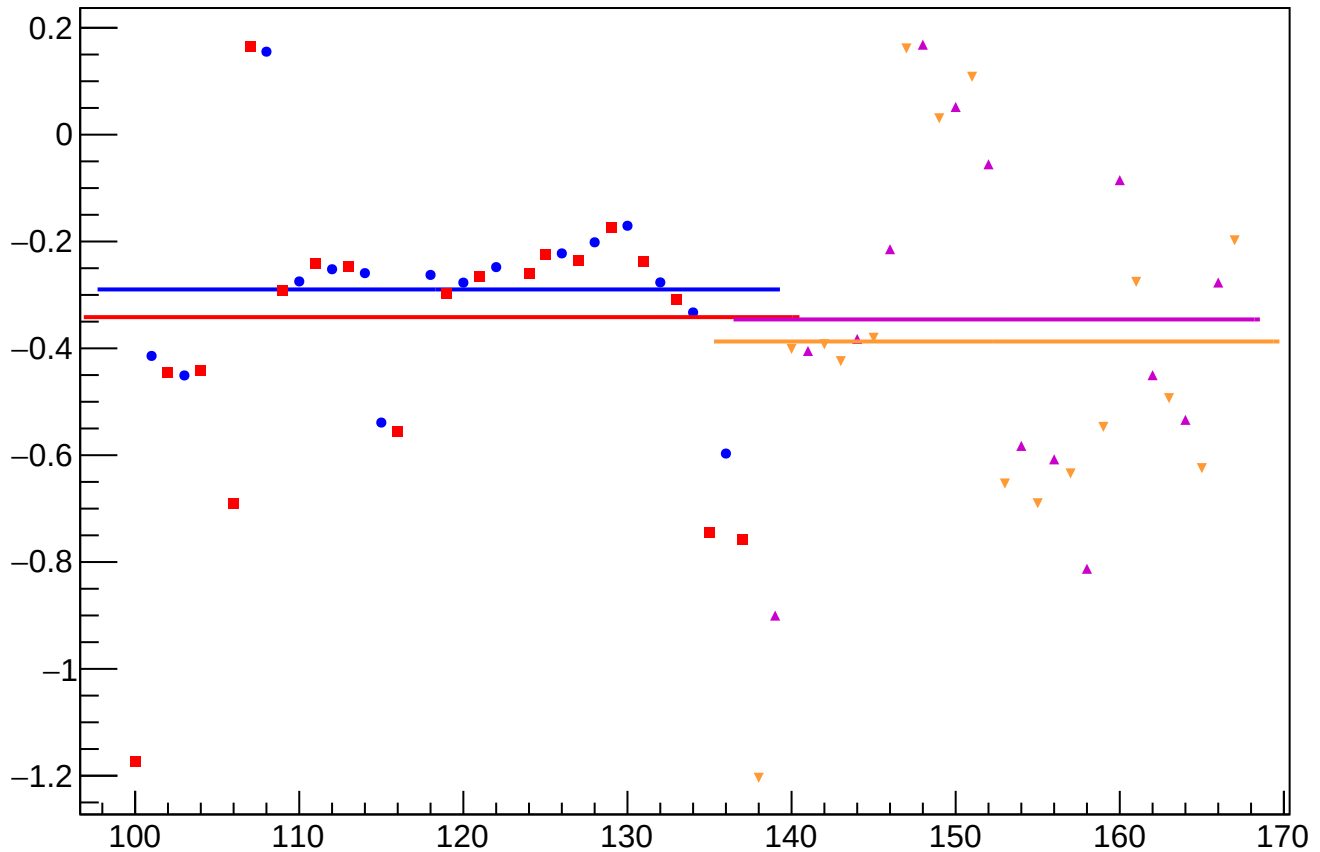
Left In: 0.003+/-0.000 χ^2/NDF : 132308.5/13

+ sign 0.003+/-0.000 χ^2/NDF : 481154.5/31

All: 0.003+/-0.000 χ^2/NDF : 927855.7/64

- sign 0.003+/-0.000 χ^2/NDF : 446690.9/32

yield_bpm0l07X_mean vs Slug



Right In: -0.290 ± 0.000 χ^2/NDF : 1645174238.4/15

Left Out: -0.387 ± 0.000 χ^2/NDF : 7475832128.3/15

Right Out: -0.342 ± 0.000 χ^2/NDF : 2609243421.7/18

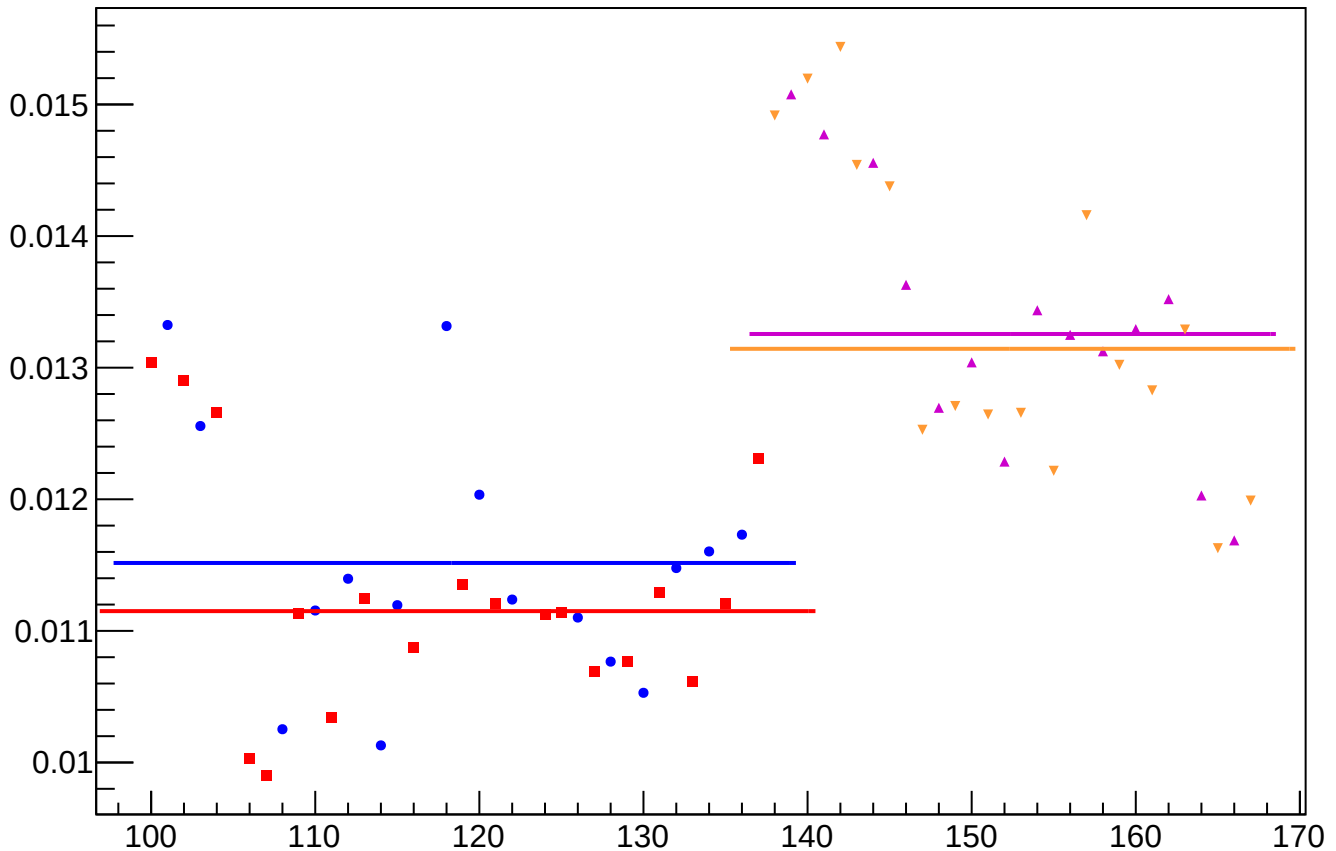
Left In: -0.346 ± 0.000 χ^2/NDF : 5845480964.6/13

+ sign -0.345 ± 0.000 χ^2/NDF : 9401599012.9/31

All: -0.344 ± 0.000 χ^2/NDF : 17856968762.3/32

- sign -0.344 ± 0.000 χ^2/NDF : 8455283905.6/32

yield_bpm0l07X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 84278.9/15

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:153647.4/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 70560.1/18

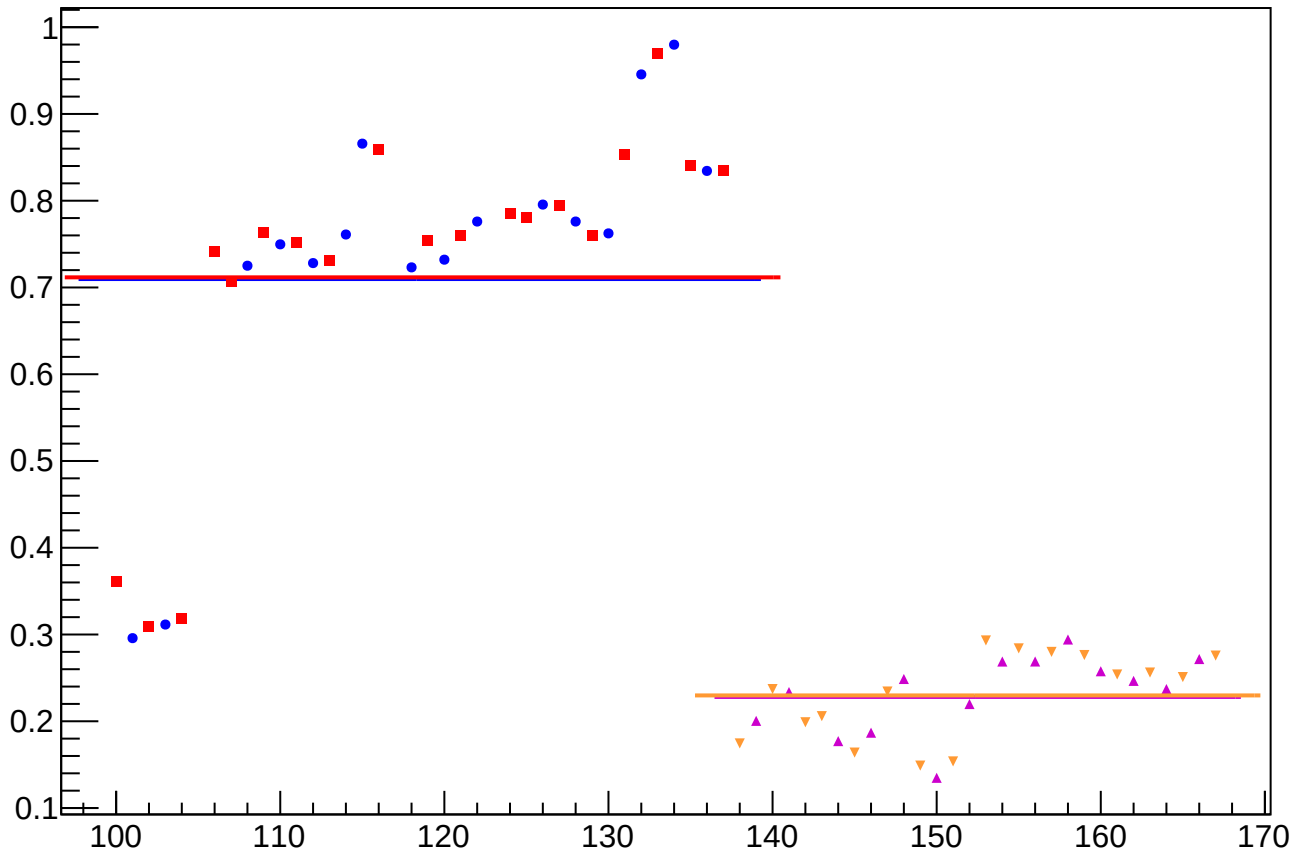
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:101926.1/13

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 394484.5/31

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 837767.3/64

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 438084.1/32

yield_bpm0l07Y_mean vs Slug



Right In: 0.710 $\pm$ 0.000 χ^2 /NDF: 48924347494.6/15

Left Out: 0.230 $\pm$ 0.000 χ^2 /NDF: 6082923307.9/15

Right Out: 0.712 $\pm$ 0.000 χ^2 /NDF: 44174681920.8/18

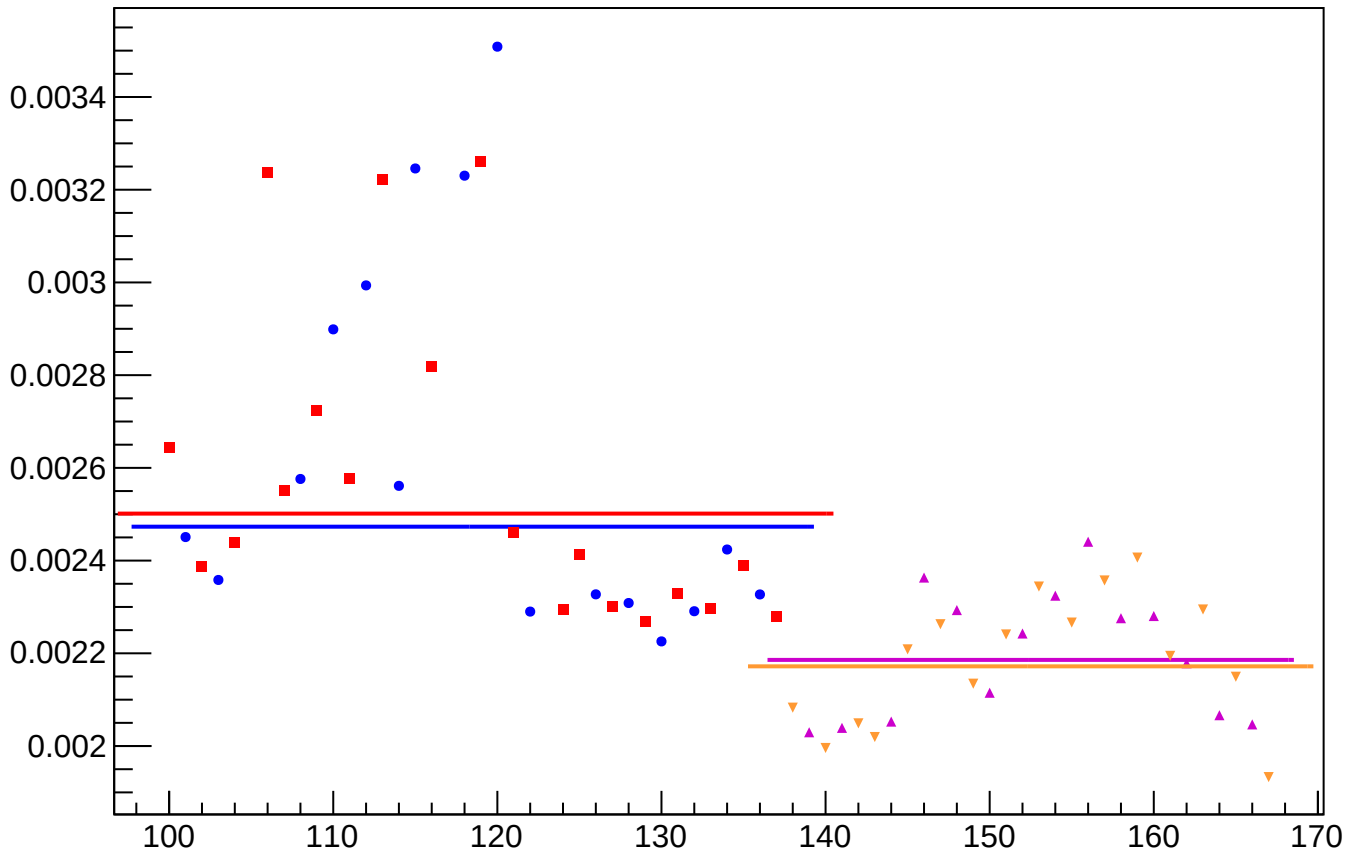
Left In: 0.228 $\pm$ 0.000 χ^2 /NDF: 4497395835.0/13

+ sign 0.372 $\pm$ 0.000 χ^2 /NDF: 235451938215.8/31

All: 0.378 $\pm$ 0.000 χ^2 /NDF: 462955885193.9

- sign 0.383 $\pm$ 0.000 χ^2 /NDF: 227296887052.1/32

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF : 101031.7/15

Right Out: 0.003+/-0.000 χ^2/NDF : 177427.2/18

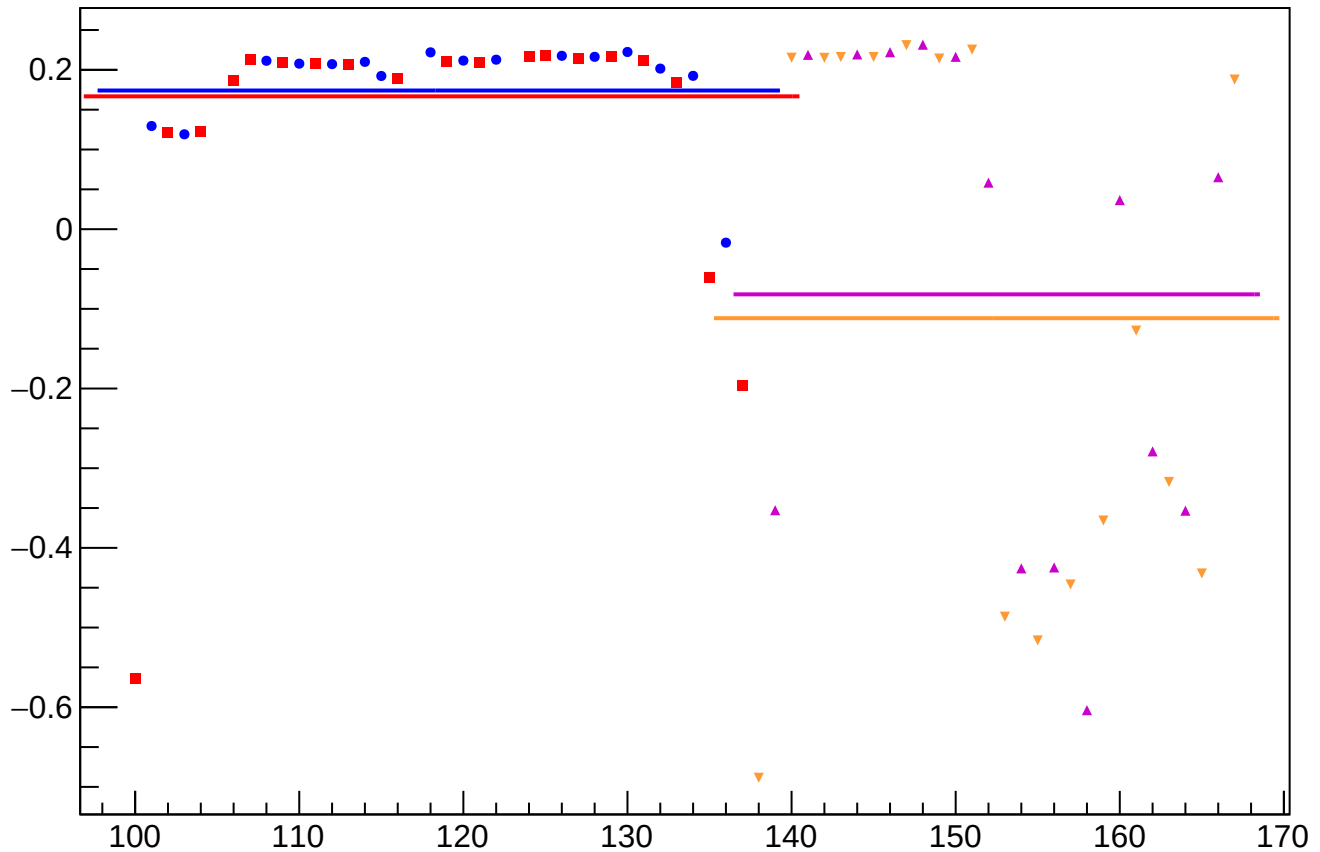
Left In: 0.002+/-0.000 χ^2/NDF : 82020.8/13

+ sign 0.002+/-0.000 χ^2/NDF : 451272.7/31

All: 0.002+/-0.000 χ^2/NDF : 865190.3/64

- sign 0.002+/-0.000 χ^2/NDF : 411551.1/32

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF : 401946344.0/15

Left Out: -0.112+/-0.000 χ^2/NDF : 9138210083.1/15

Right Out: 0.167+/-0.000 χ^2/NDF : 894131198.6/18

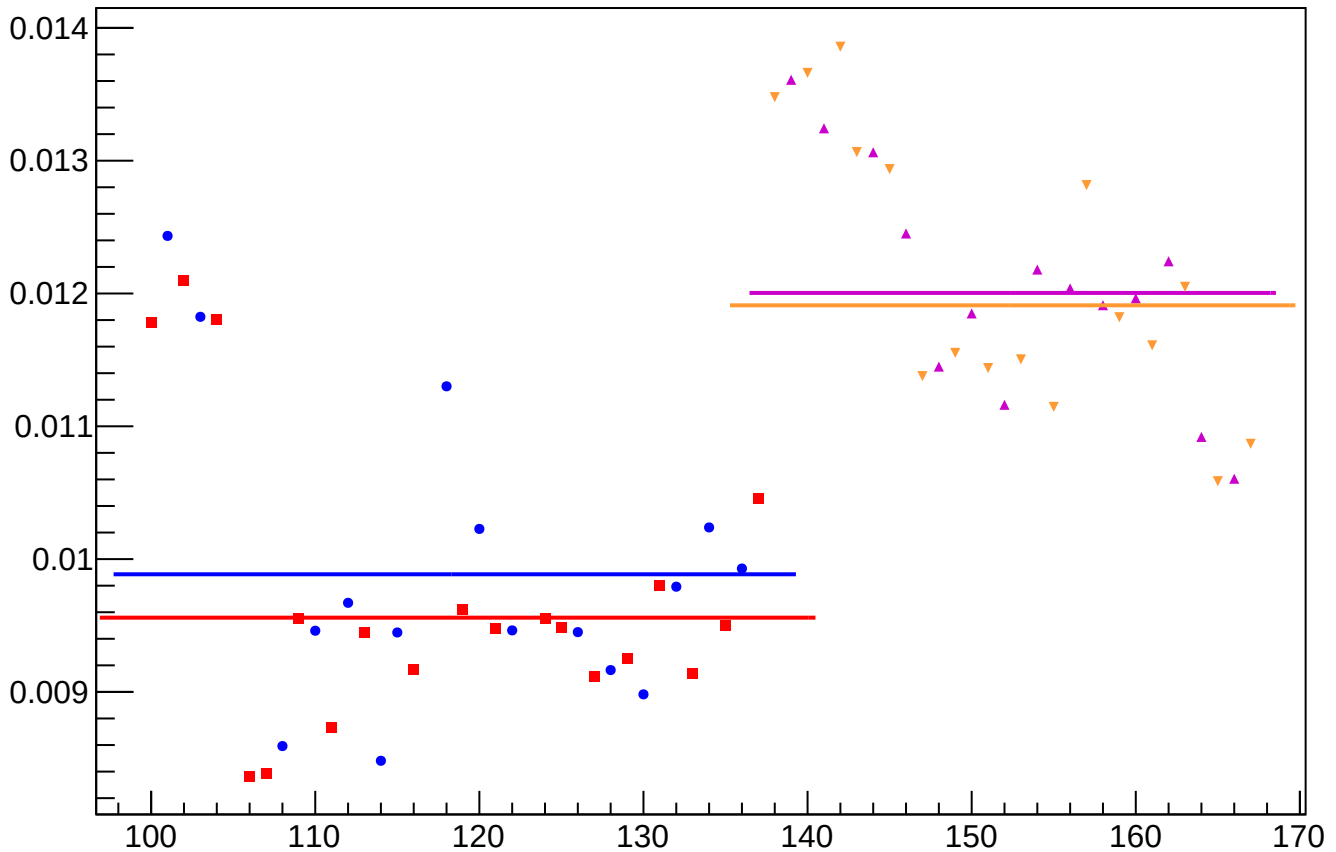
Left In: -0.082+/-0.000 χ^2/NDF : 6604553282.7/13

+ sign 0.019+/-0.000 χ^2/NDF : 12653398799.2/31

All: 0.032+/-0.000 χ^2/NDF : 22583158795.0/6

- sign 0.045+/-0.000 χ^2/NDF : 9875554006.1/32

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 148562.0/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:140444.1/15

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 136197.0/18

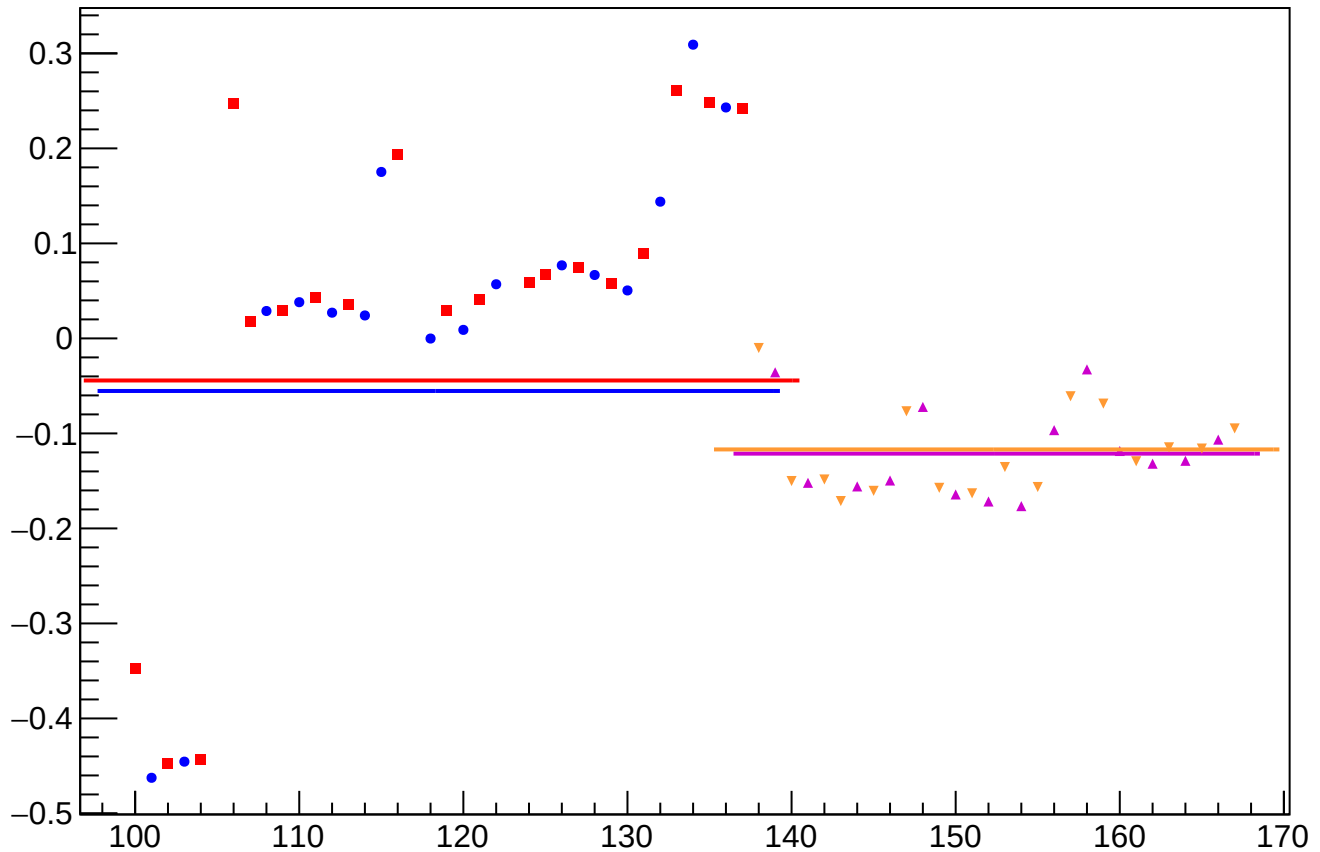
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:94868.8/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 601753.8/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1301284.8/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 691199.3/32

yield_bpm0l08Y_mean vs Slug



Right In: -0.055+/-0.000 χ^2/NDF : 24081939190.6/15

Left Out: -0.117+/-0.000 χ^2/NDF : 2795985414.2/15

Right Out: -0.044+/-0.000 χ^2/NDF : 22136167141.7/18

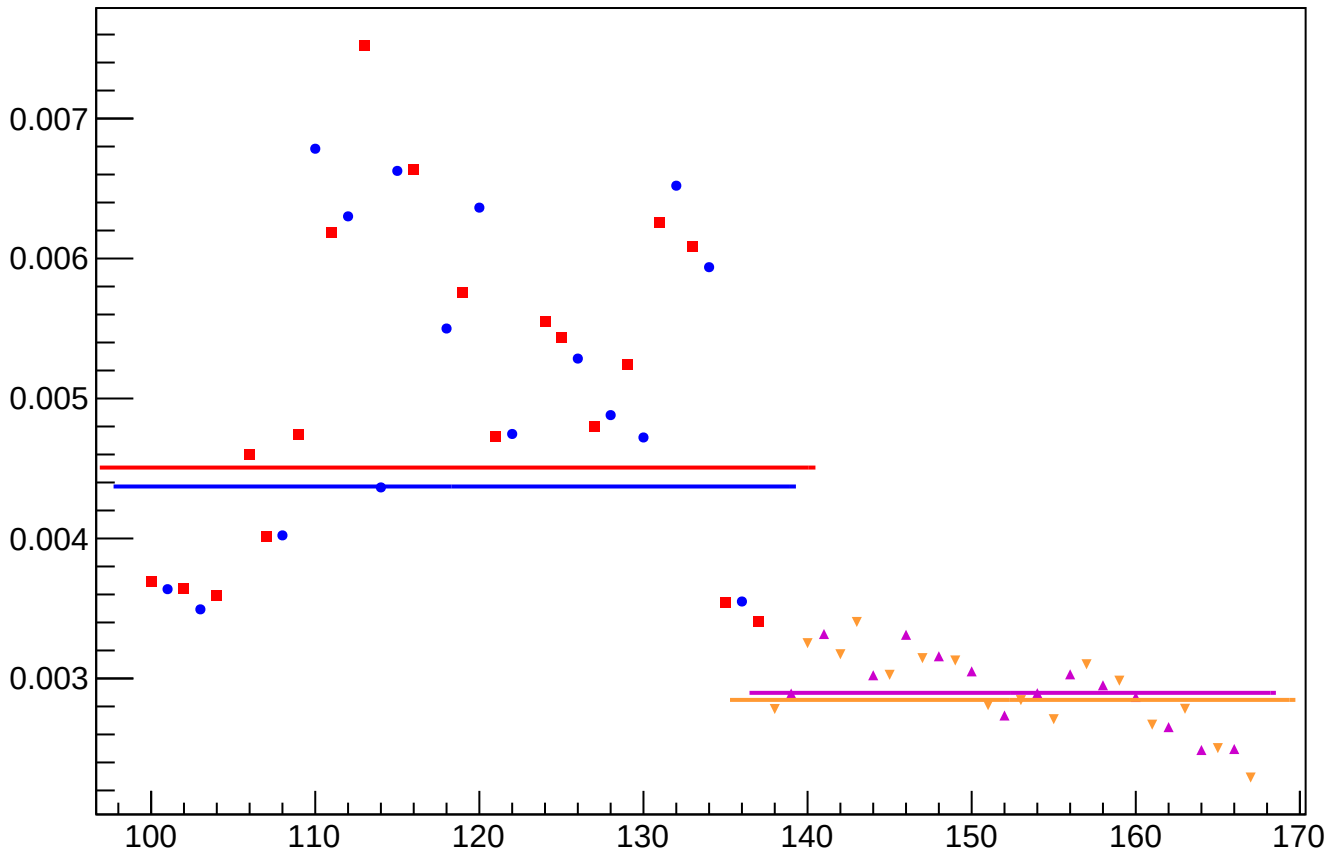
Left In: -0.121+/-0.000 χ^2/NDF : 2758834713.6/13

+ sign -0.106+/-0.000 χ^2/NDF : 27870475988.1/31

All: -0.106+/-0.000 χ^2/NDF : 54265982080.8

- sign -0.106+/-0.000 χ^2/NDF : 26395393332.6/32

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: 247006.9/15

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 704549.6/18

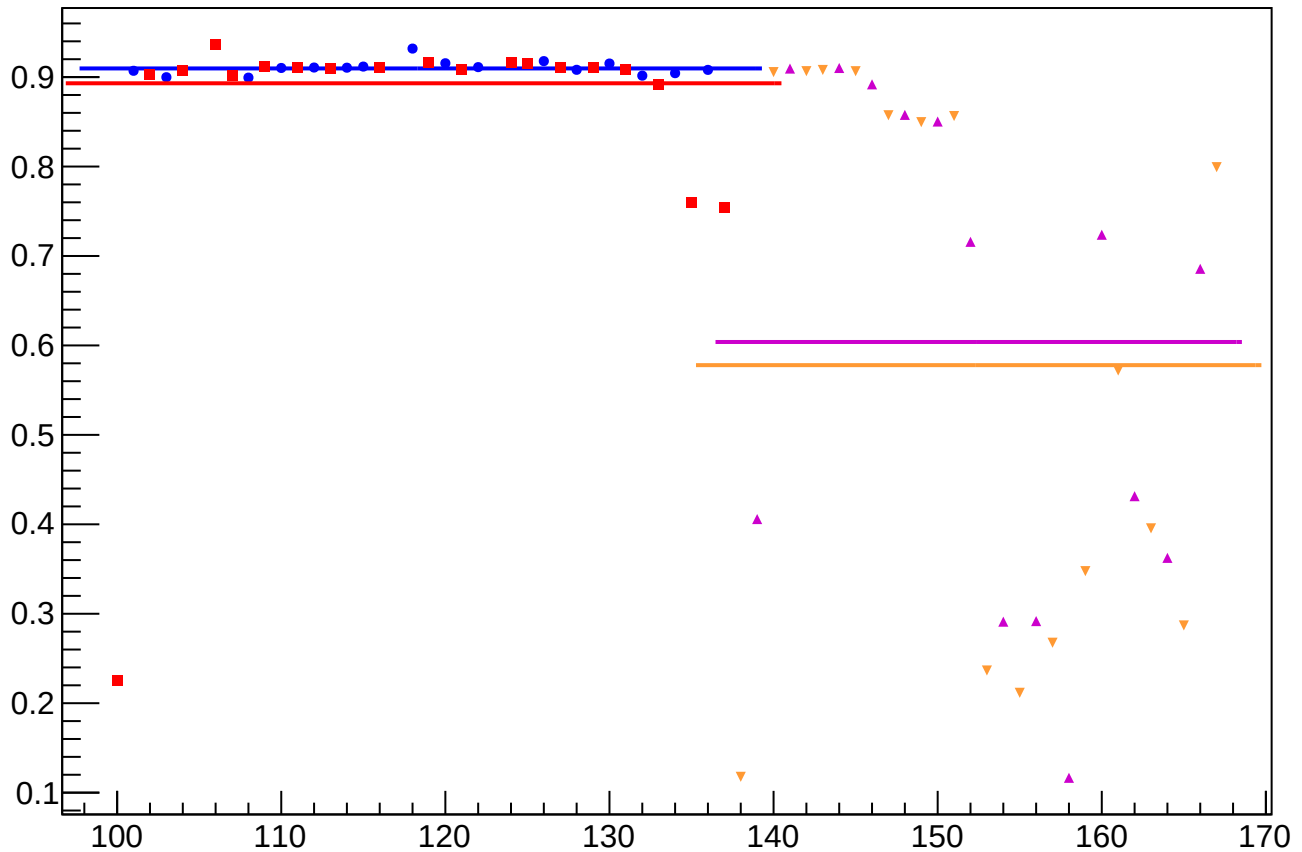
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 151390.6/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2126308.0/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4308114.0/64

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2167283.0/32

yield_bpm0l09X_mean vs Slug



Right In: 0.910 $\pm$ 0.000 χ^2 /NDF: 3133349.6/15

Left Out: 0.578 $\pm$ 0.000 χ^2 /NDF: 7577354406.0/15

Right Out: 0.893 $\pm$ 0.000 χ^2 /NDF: 327979021.4/18

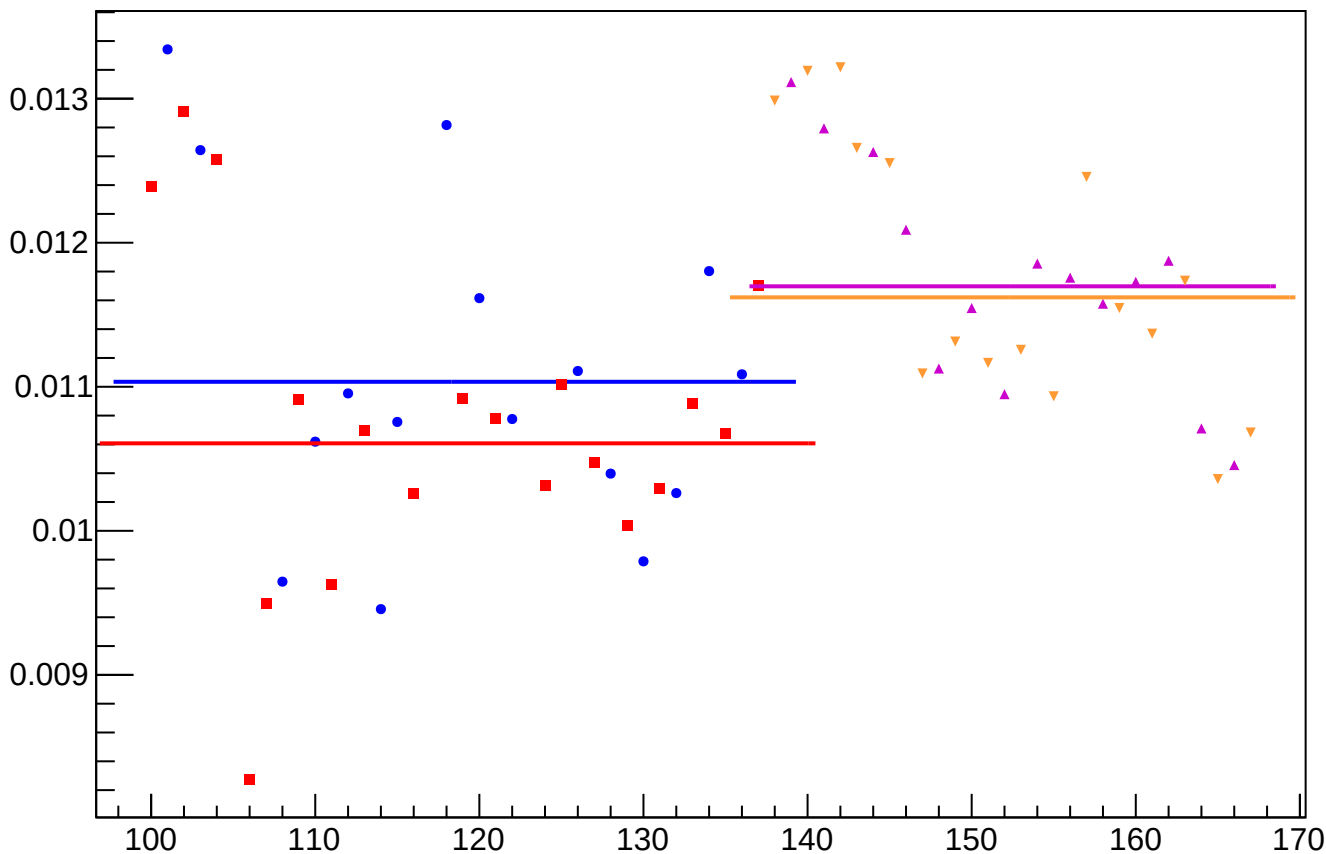
Left In: 0.604 $\pm$ 0.000 χ^2 /NDF: 5739482258.8/13

+ sign 0.707 $\pm$ 0.000 χ^2 /NDF: 11367901154.2/31

All: 0.720 $\pm$ 0.000 χ^2 /NDF: 20453414763.8/6

- sign 0.733 $\pm$ 0.000 χ^2 /NDF: 9038970506.6/32

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF :121360.8/15

Right Out: 0.011+/-0.000 χ^2/NDF : 143947.4/18

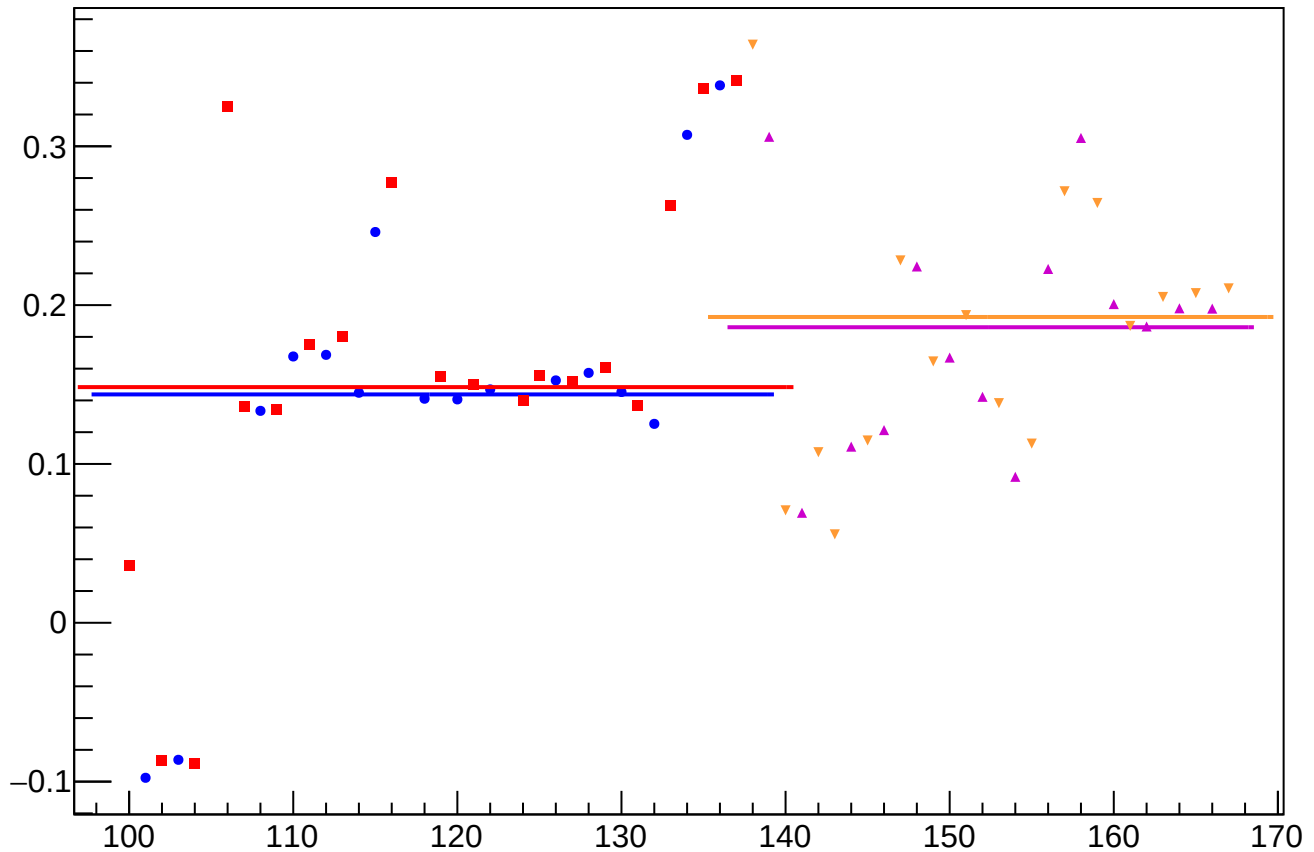
Left In: 0.012+/-0.000 χ^2/NDF :80595.6/13

+ sign 0.011+/-0.000 χ^2/NDF : 275361.7/31

All: 0.011+/-0.000 χ^2/NDF : 589020.2/64

- sign 0.011+/-0.000 χ^2/NDF : 308967.2/32

yield_bpm0l09Y_mean vs Slug



Right In: 0.144 $\pm$ 0.000 χ^2 /NDF: 7867304536.4/15

Left Out: 0.193 $\pm$ 0.000 χ^2 /NDF: 5956190763.9/15

Right Out: 0.148 $\pm$ 0.000 χ^2 /NDF: 7128567107.5/18

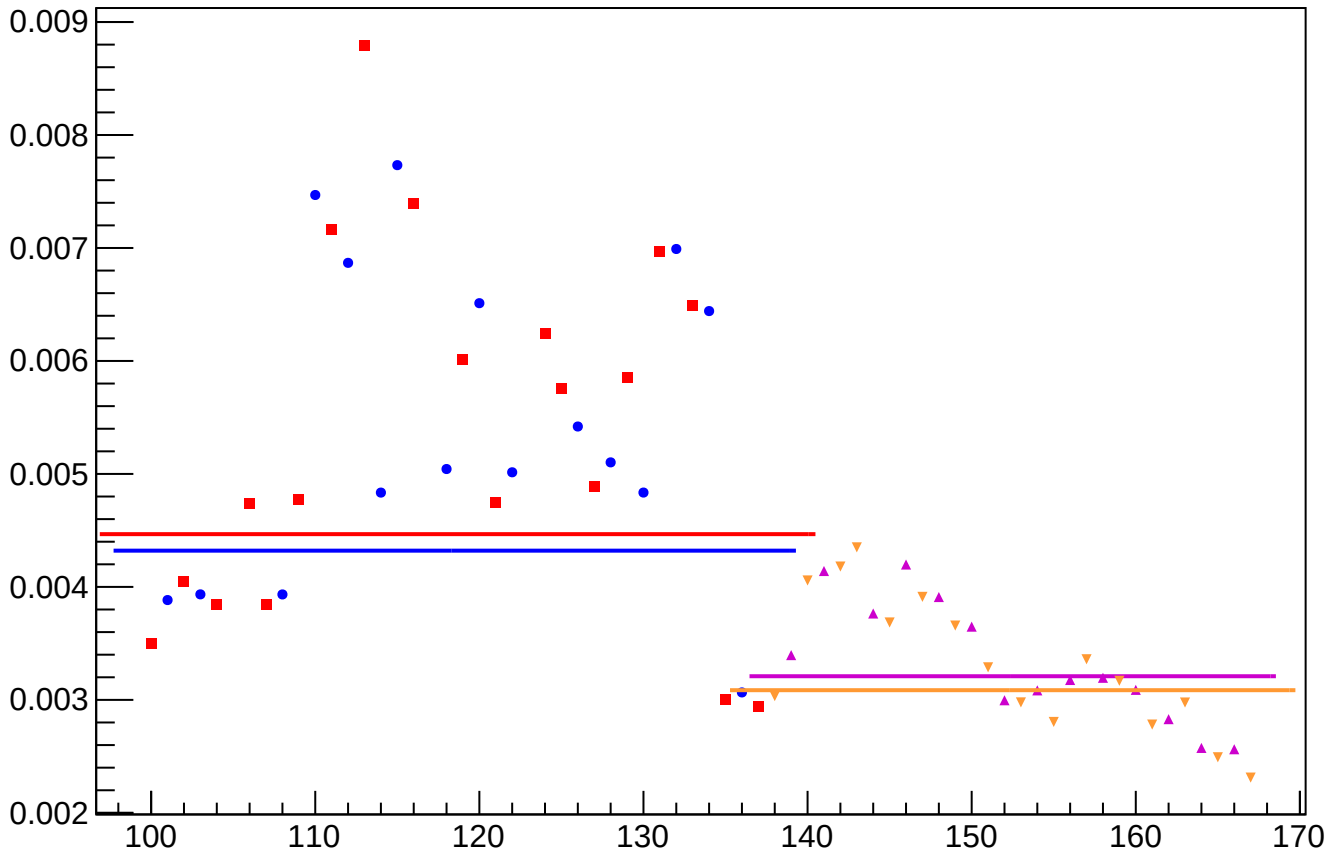
Left In: 0.186 $\pm$ 0.000 χ^2 /NDF: 4416129286.4/13

+ sign 0.183 $\pm$ 0.000 χ^2 /NDF: 14403070492.6/31

All: 0.180 $\pm$ 0.000 χ^2 /NDF: 26292033076.6/6

- sign 0.177 $\pm$ 0.000 χ^2 /NDF: 11871121164.3/32

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF :699796.3/15

Right Out: 0.004+/-0.000 χ^2/NDF : 1085759.3/18

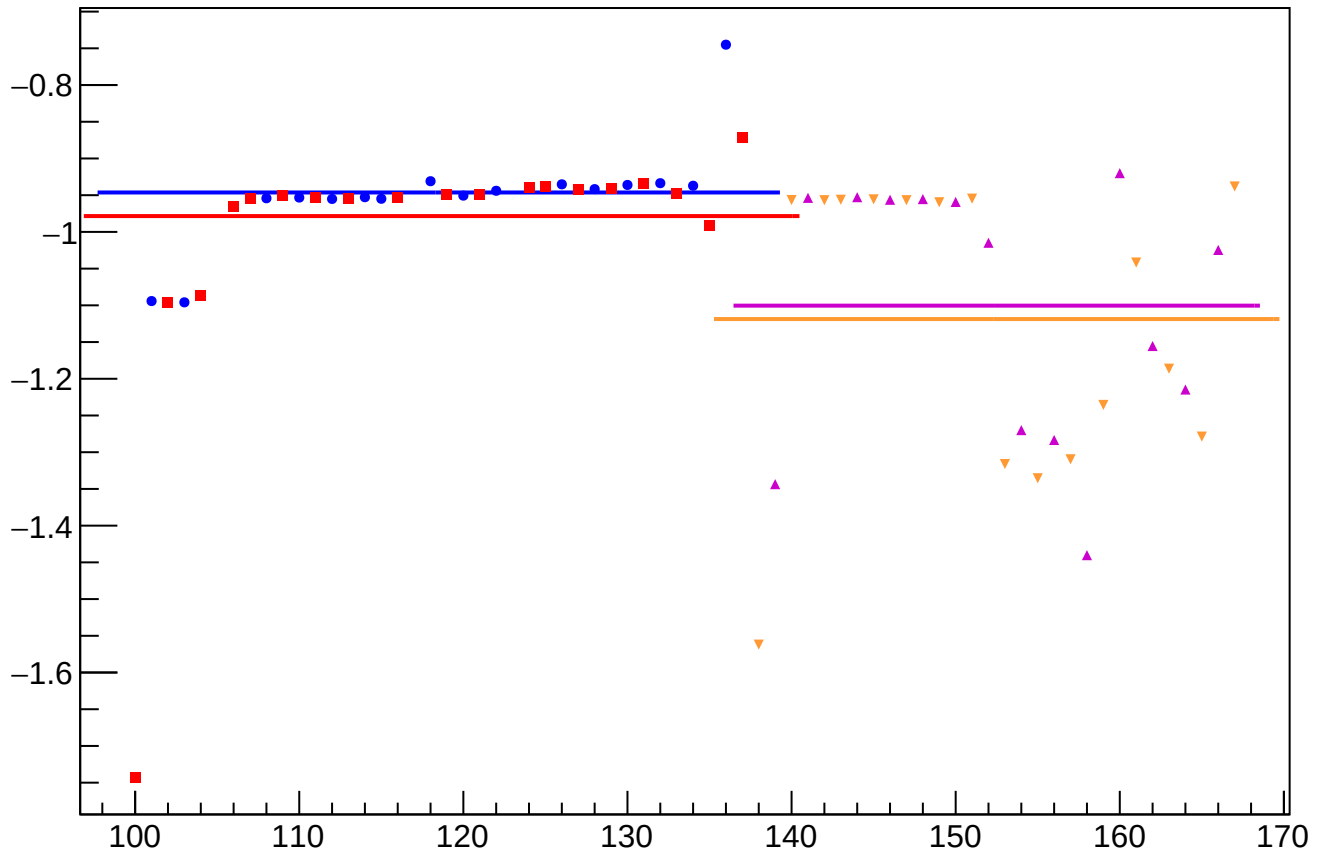
Left In: 0.003+/-0.000 χ^2/NDF :453332.8/13

+ sign 0.003+/-0.000 χ^2/NDF : 2322255.5/31

All: 0.003+/-0.000 χ^2/NDF : 4622543.1/64

- sign 0.003+/-0.000 χ^2/NDF : 2265865.5/32

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF : 404509465.5/15

Left Out: -1.119+/-0.000 χ^2/NDF : 3842464505.0/15

Right Out: -0.978+/-0.000 χ^2/NDF : 461081476.3/18

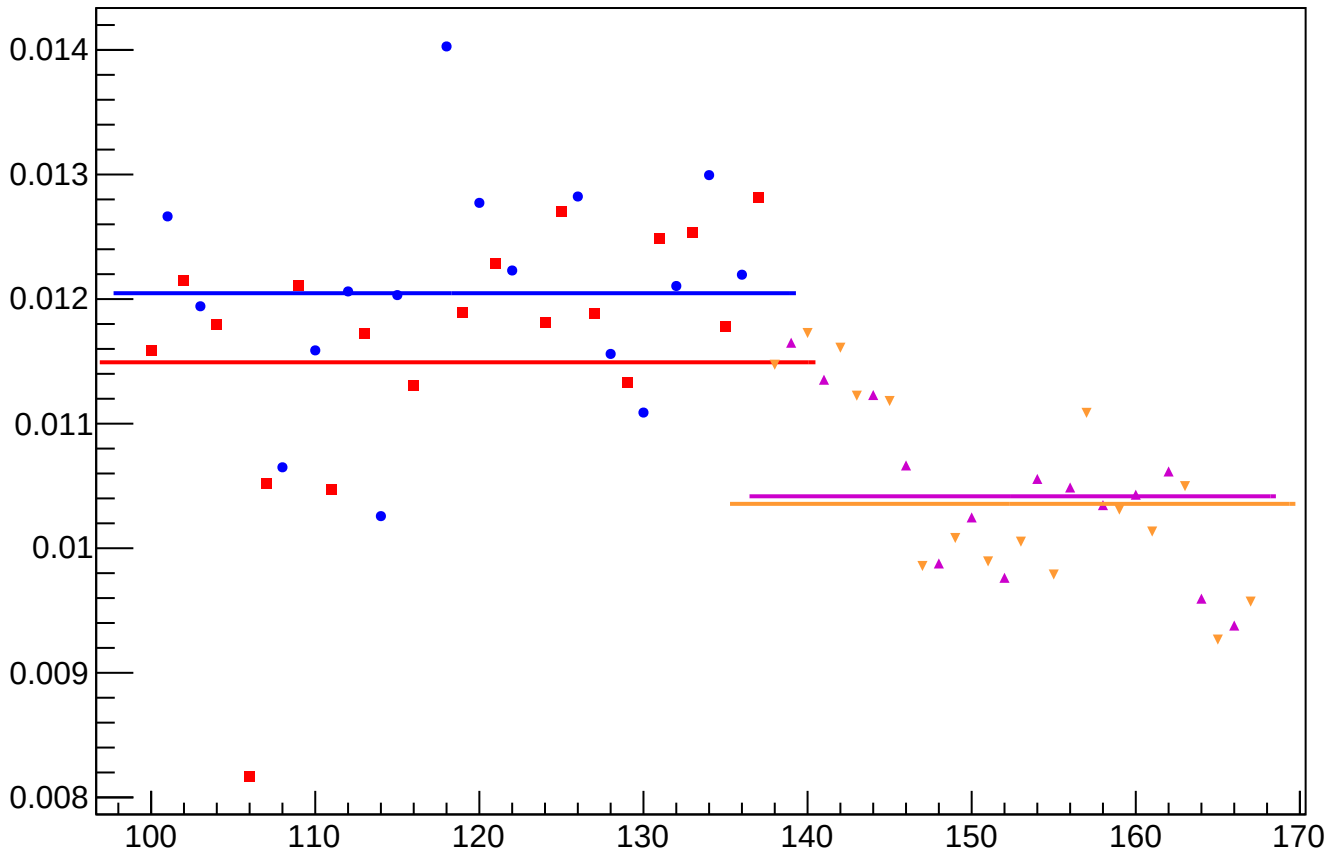
Left In: -1.100+/-0.000 χ^2/NDF : 2947746475.6/13

+ sign -1.067+/-0.000 χ^2/NDF : 5234841743.9/31

All: -1.063+/-0.000 χ^2/NDF : 9175922269.1/6

- sign -1.058+/-0.000 χ^2/NDF : 3933963929.8/32

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 62476.3/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:112642.1/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 151309.4/18

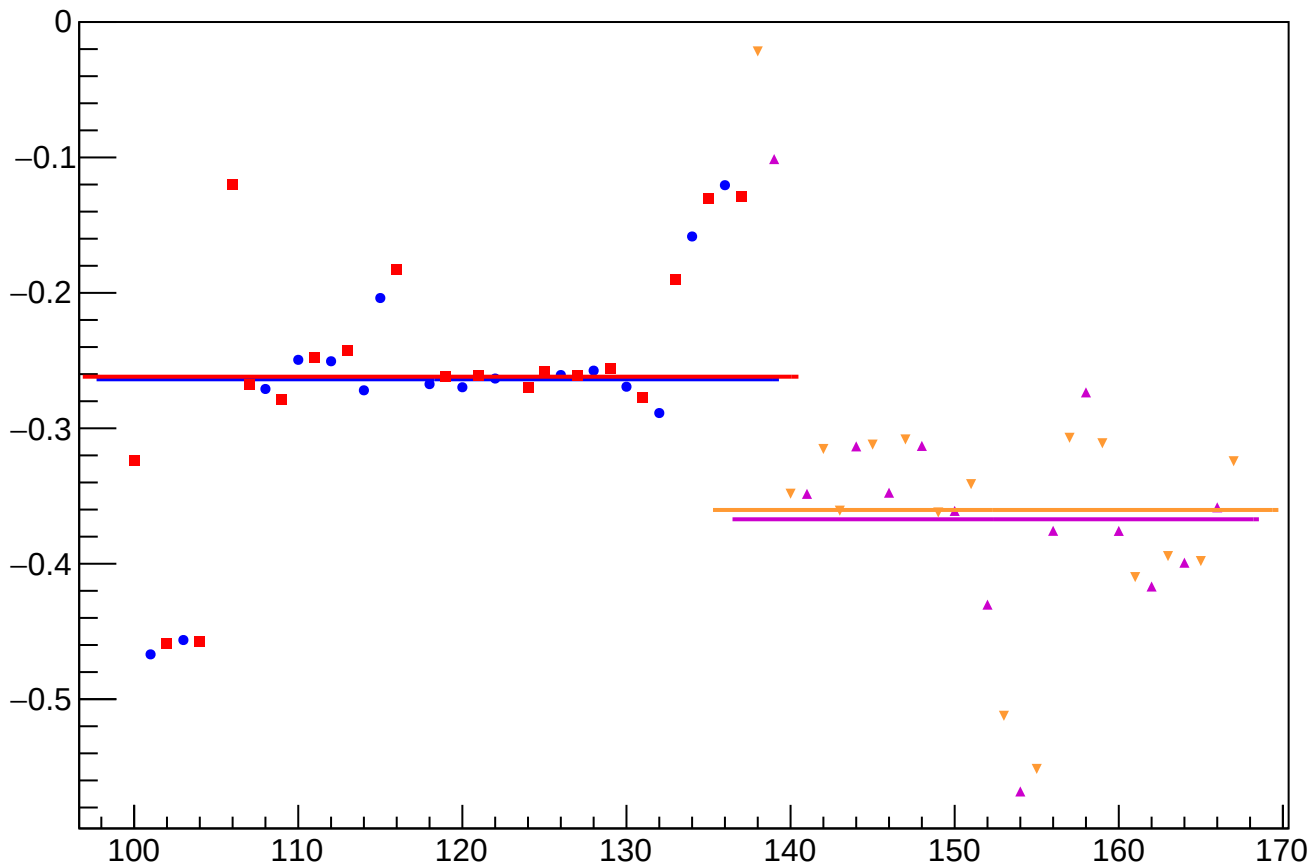
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:75320.6/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 365274.3/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 674299.5/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 308316.2/32

yield_bpm0l10Y_mean vs Slug



Right In: -0.264+/-0.000 χ^2/NDF : 6106171444.3/15

Left Out: -0.360+/-0.000 χ^2/NDF : 11831672488.8/15

Right Out: -0.262+/-0.000 χ^2/NDF : 5250043427.3/18

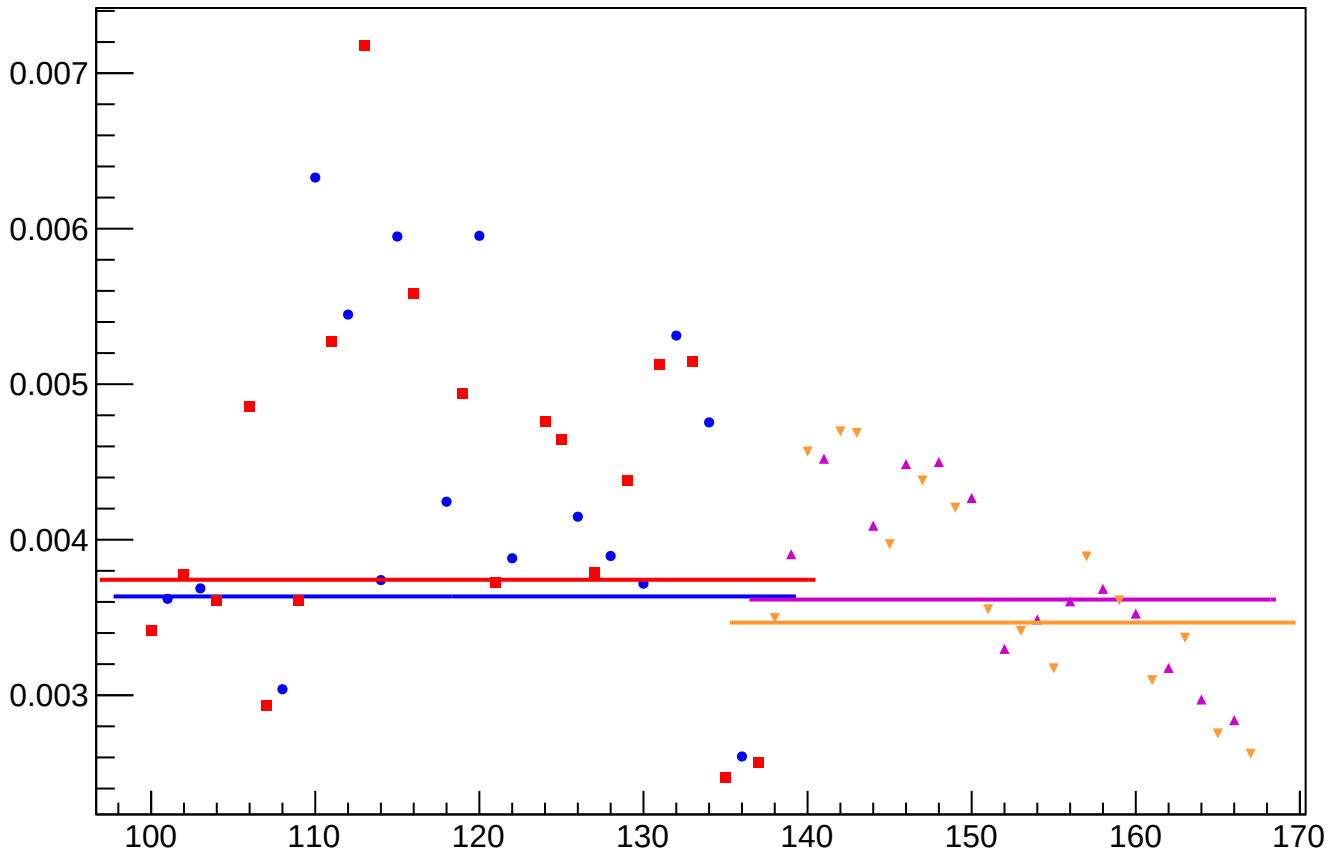
Left In: -0.367+/-0.000 χ^2/NDF : 7549056030.3/13

+ sign -0.329+/-0.000 χ^2/NDF : 20703398697.0/31

All: -0.330+/-0.000 χ^2/NDF : 36576625143.7

- sign -0.330+/-0.000 χ^2/NDF : 15873149107.1/32

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 661084.8/15

Right Out: 0.004+/-0.000 χ^2/NDF : 894189.4/18

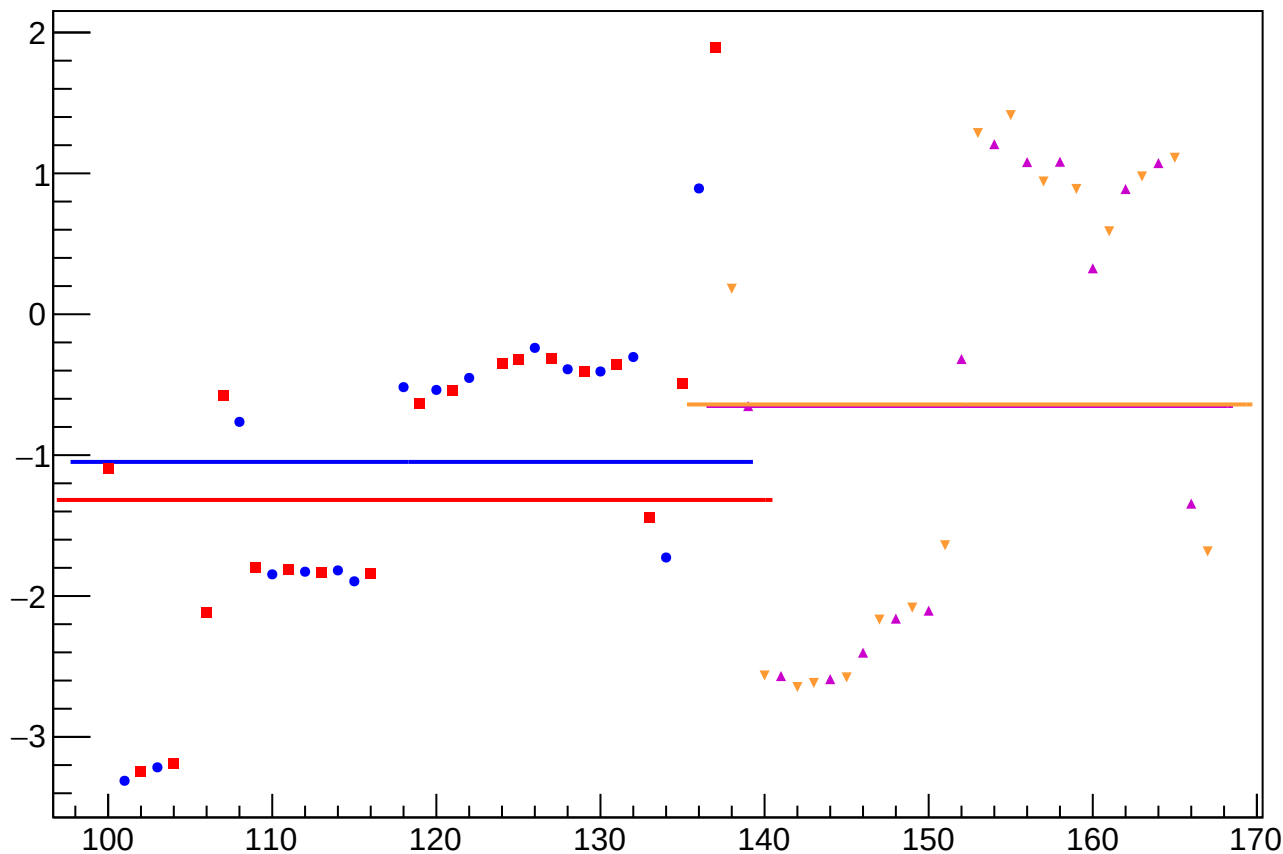
Left In: 0.004+/-0.000 χ^2/NDF : 421493.8/13

+ sign 0.004+/-0.000 χ^2/NDF : 1406458.0/31

All: 0.004+/-0.000 χ^2/NDF : 2756118.2/64

- sign 0.004+/-0.000 χ^2/NDF : 1324653.6/32

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2 /NDF: 2347020985.5/15

Left Out: -0.640+/-0.000 χ^2 /NDF: 5657928238.5/15

Right Out: -1.318+/-0.000 χ^2 /NDF: 1847995615.1/18

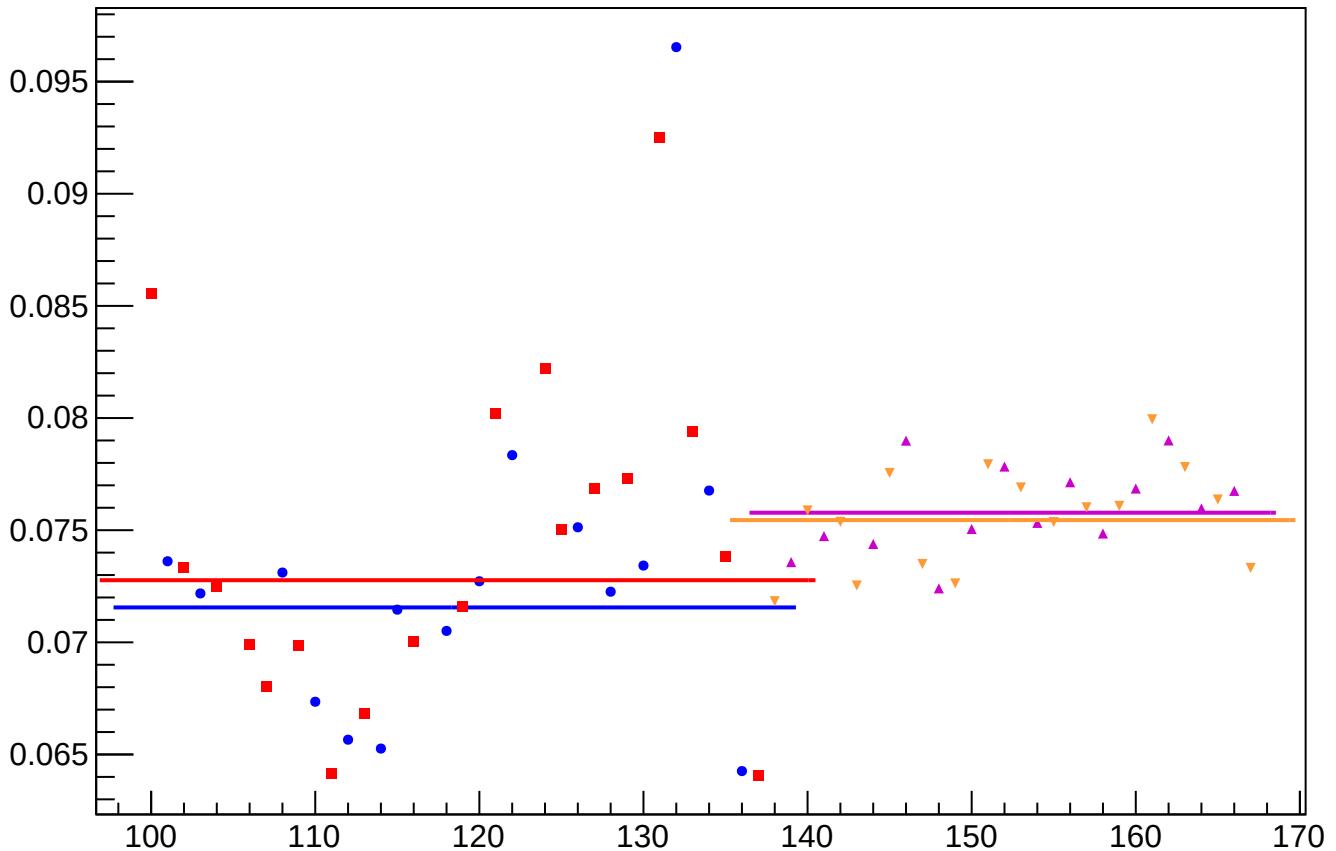
Left In: -0.651+/-0.000 χ^2 /NDF: 4468870735.8/13

+ sign -0.798+/-0.000 χ^2 /NDF: 8144822161.7/31

All: -0.859+/-0.000 χ^2 /NDF: 14848974053.2/32

- sign -0.925+/-0.000 χ^2 /NDF: 6676088462.0/32

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF : 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF : 22046.2/15

Right Out: 0.073+/-0.000 χ^2/NDF : 96874.2/18

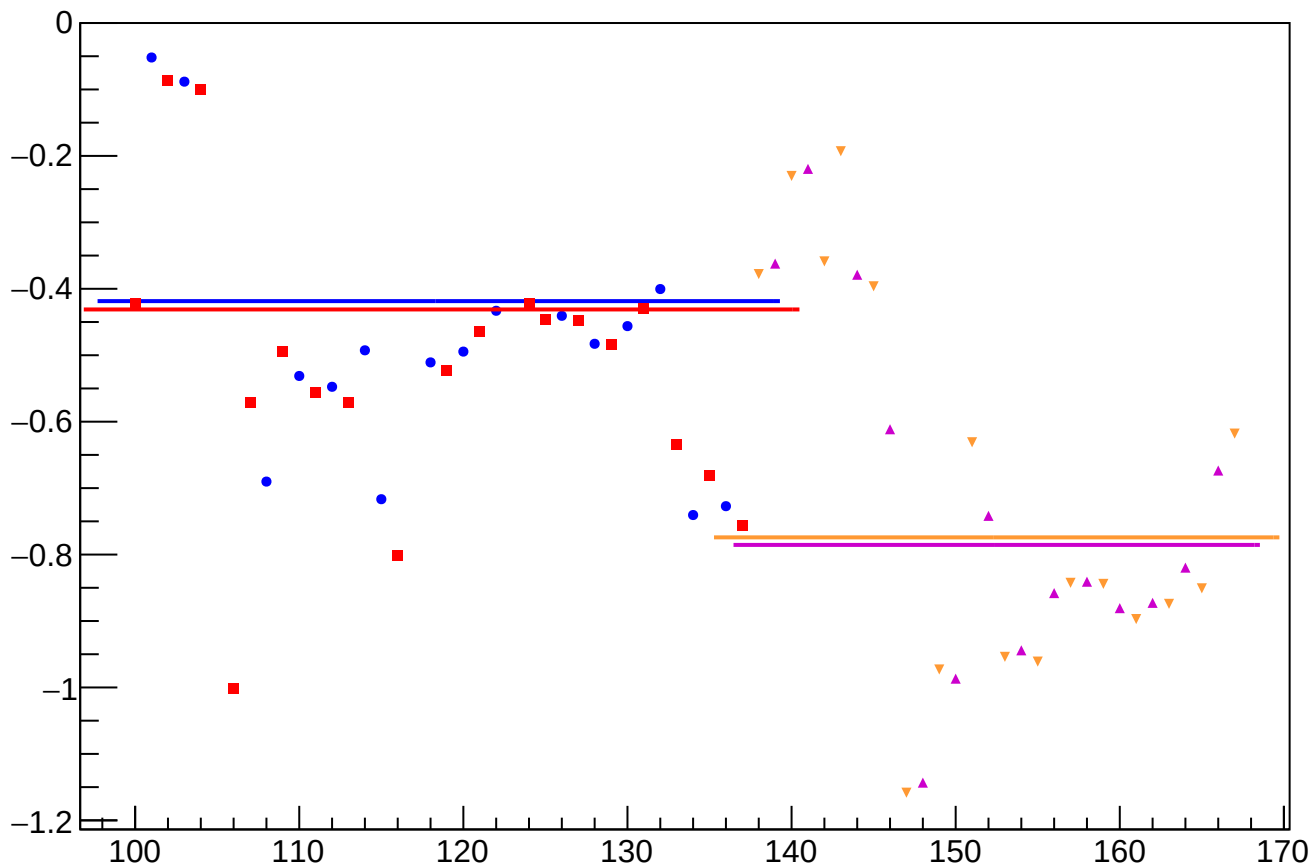
Left In: 0.076+/-0.000 χ^2/NDF : 14080.3/13

+ sign 0.074+/-0.000 χ^2/NDF : 148788.1/31

All: 0.074+/-0.000 χ^2/NDF : 275598.1/64

- sign 0.075+/-0.000 χ^2/NDF : 125595.2/32

yield_bpm0r03Y_mean vs Slug



Right In: -0.419 ± 0.000 χ^2/NDF : 3072147227.9/15

Left Out: -0.774 ± 0.000 χ^2/NDF : 14683465854.1/15

Right Out: -0.431 ± 0.000 χ^2/NDF : 3196655095.4/18

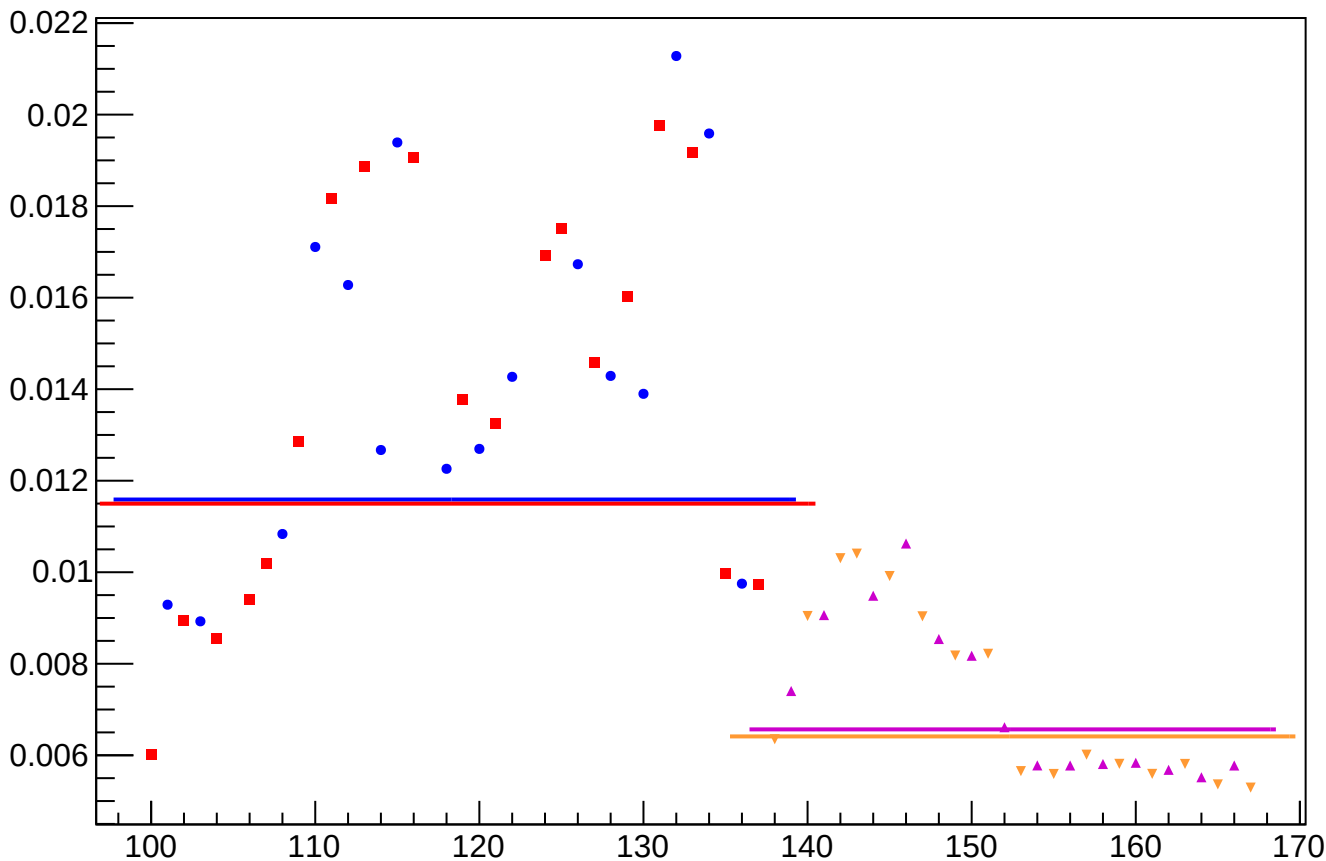
Left In: -0.785 ± 0.000 χ^2/NDF : 10648262701.5/13

+ sign -0.725 ± 0.000 χ^2/NDF : 22585818975.9/31

All: -0.727 ± 0.000 χ^2/NDF : 41231746367.7/32

- sign -0.729 ± 0.000 χ^2/NDF : 18642892266.9/32

yield_bpm0r03Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 786260.7/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1159304.2/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1164657.0/18

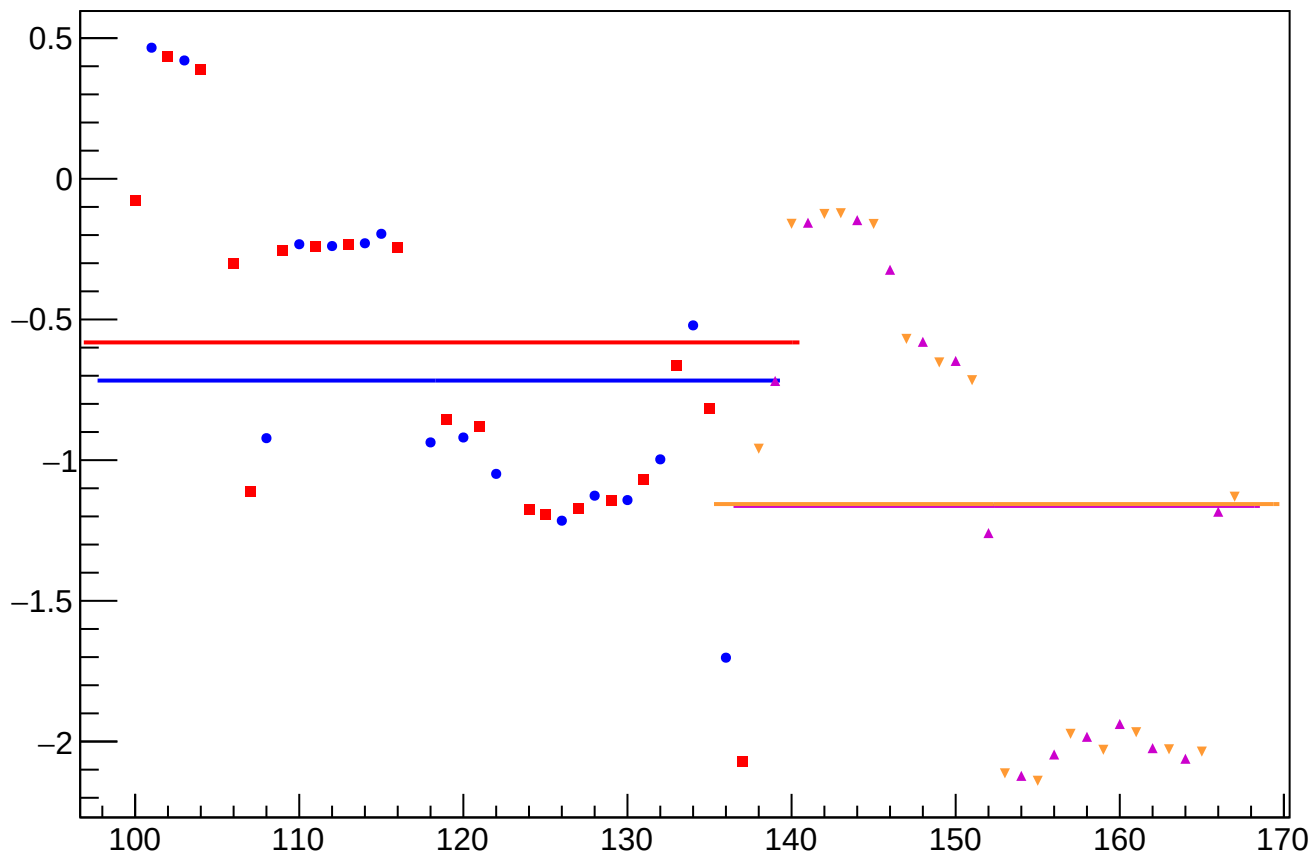
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:874844.6/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3993209.9/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7906270.6/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3898780.9/32

yield_bpm0r05X_mean vs Slug



Right In: -0.717 ± 0.000 $\chi^2/\text{NDF}: 437423792.4/15$

Left Out: -1.156 ± 0.000 $\chi^2/\text{NDF}: 1073287115.0/15$

Right Out: -0.582 ± 0.000 $\chi^2/\text{NDF}: 342062039.8/18$

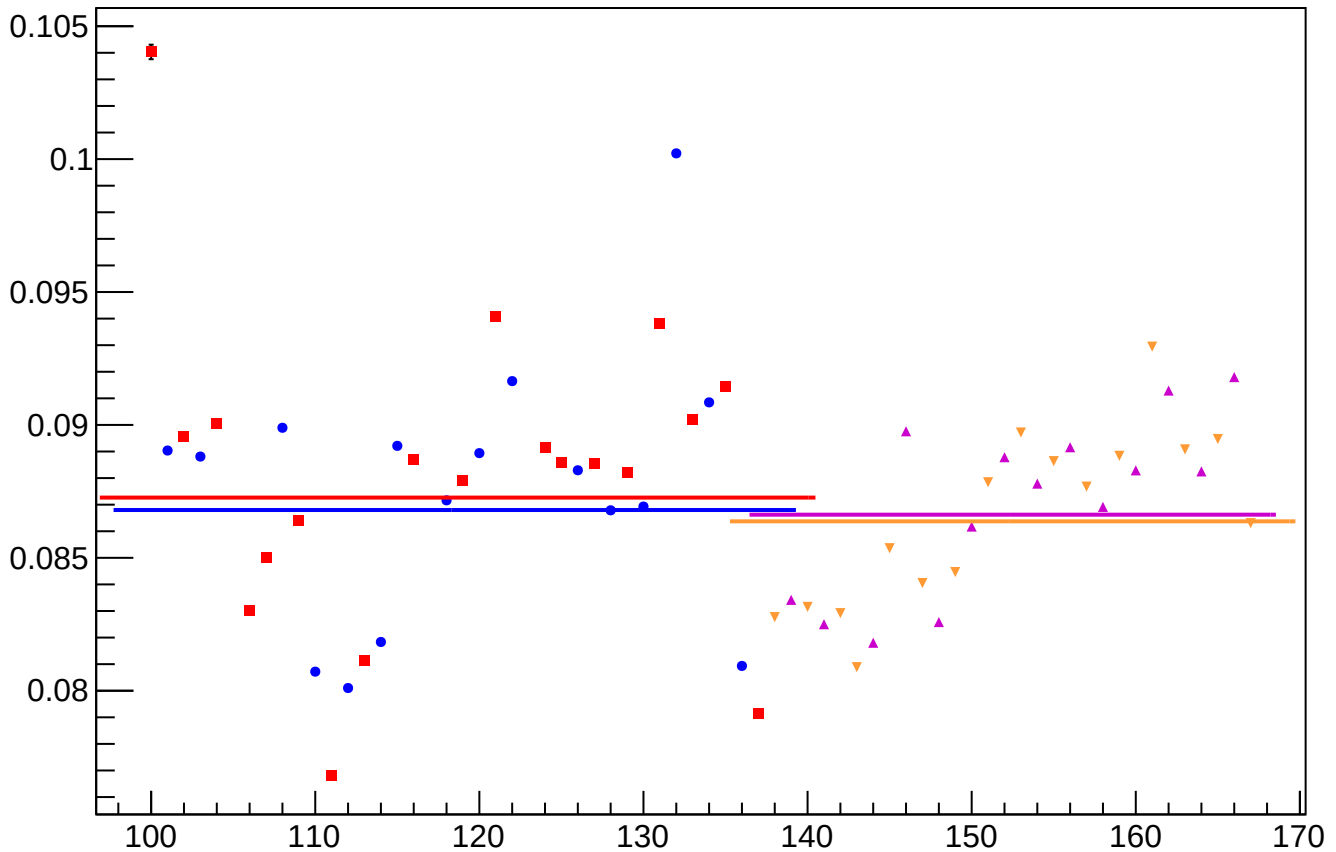
Left In: -1.163 ± 0.000 $\chi^2/\text{NDF}: 903707622.4/13$

+ sign -0.997 ± 0.000 $\chi^2/\text{NDF}: 1627849975.3/31$

All: -0.967 ± 0.000 $\chi^2/\text{NDF}: 3079553839.1/6$

- sign -0.935 ± 0.000 $\chi^2/\text{NDF}: 1446787436.6/32$

yield_bpm0r05X_rms vs Slug



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 43575.8/15

Left Out: 0.086 $\pm$ 0.000 χ^2 /NDF:33353.5/15

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 46163.9/18

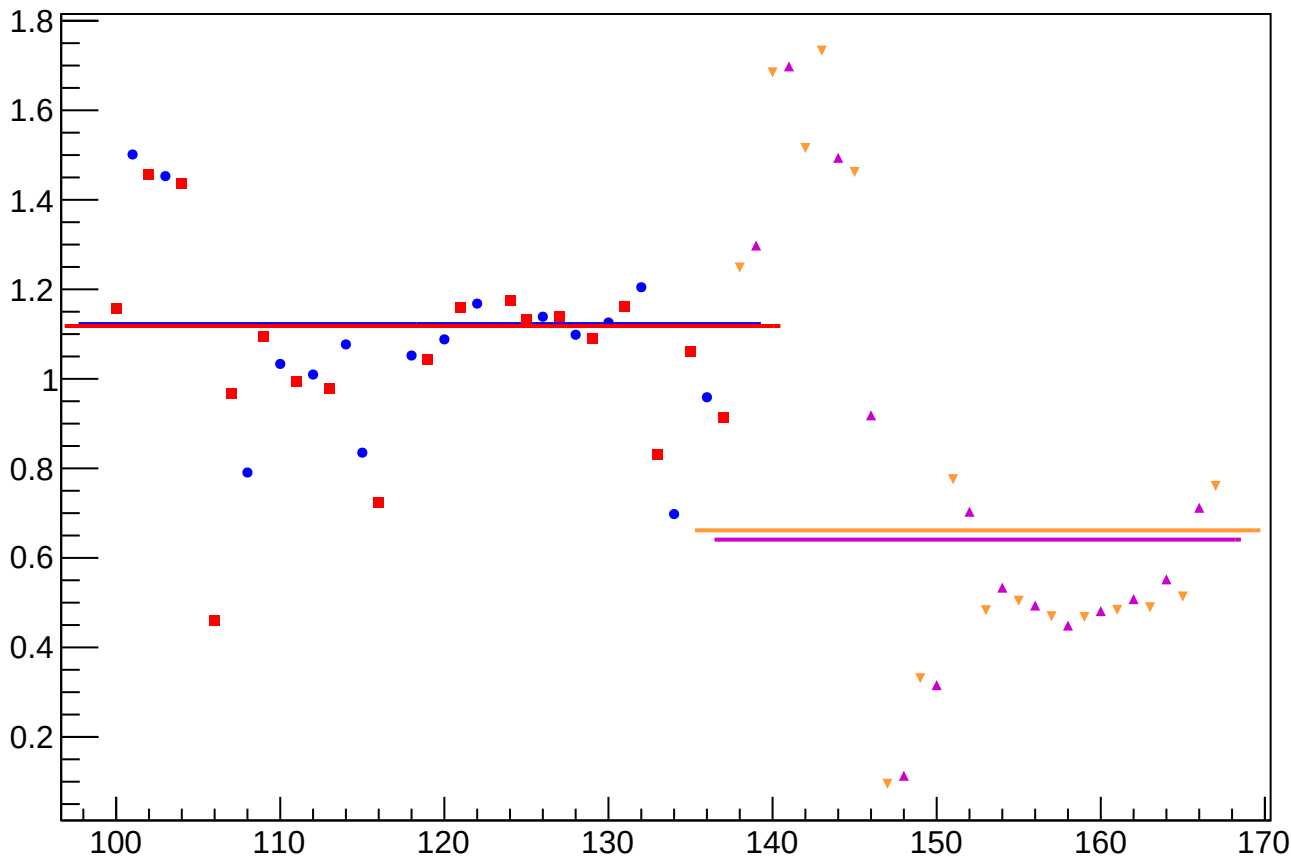
Left In: 0.087 $\pm$ 0.000 χ^2 /NDF:30679.5/13

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 77149.8/31

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 154795.9/64

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 77335.5/32

yield_bpm0r05Y_mean vs Slug



Right In: 1.122 ± 0.000 $\chi^2/\text{NDF}: 1454303379.1/15$

Left Out: 0.662 ± 0.000 $\chi^2/\text{NDF}: 28255798277.1/15$

Right Out: 1.118 ± 0.000 $\chi^2/\text{NDF}: 1570269350.9/18$

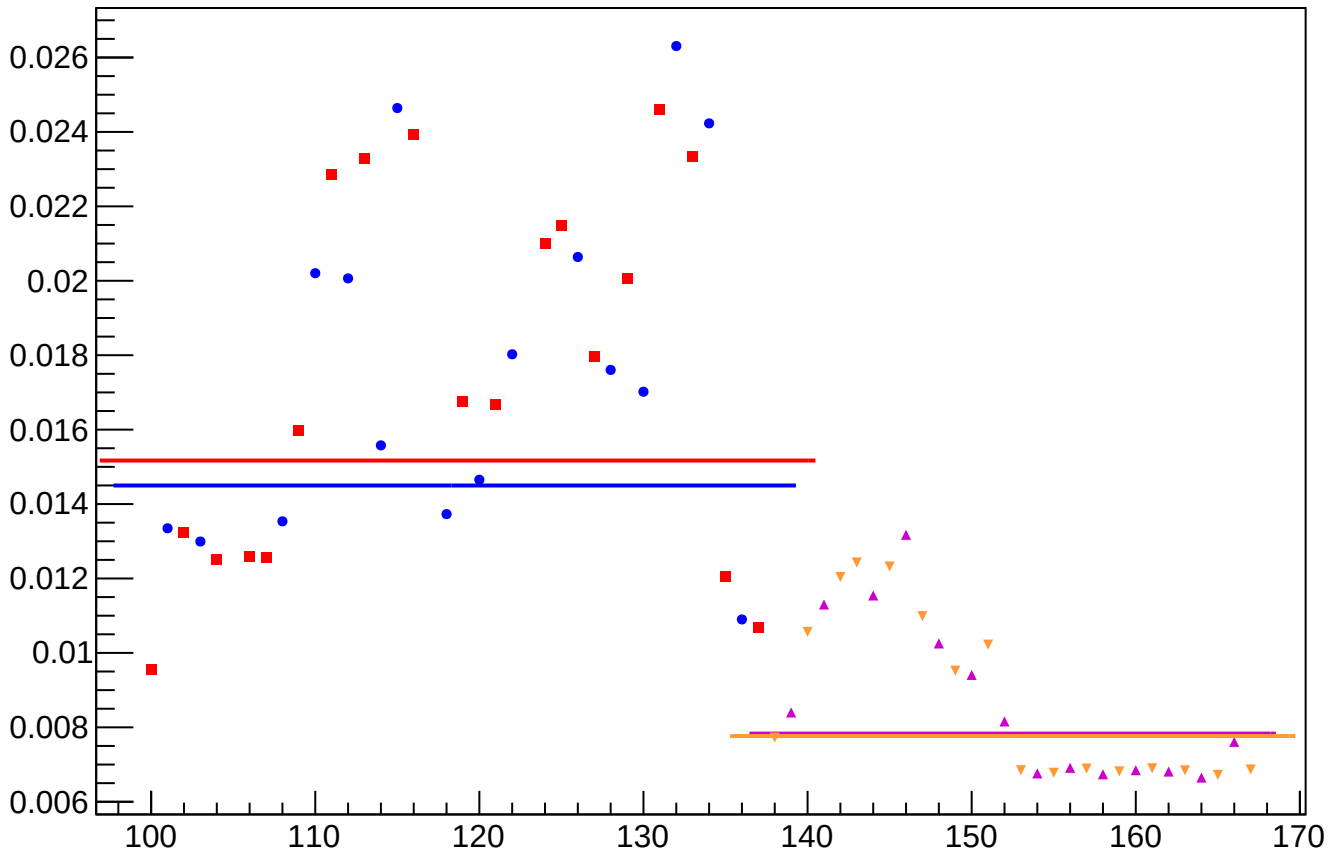
Left In: 0.641 ± 0.000 $\chi^2/\text{NDF}: 21833326381.8/13$

+ sign 0.721 ± 0.000 $\chi^2/\text{NDF}: 34957261287.6/31$

All: 0.714 ± 0.000 $\chi^2/\text{NDF}: 63636295610.4/6$

- sign 0.705 ± 0.000 $\chi^2/\text{NDF}: 28652409761.2/32$

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF : 1112514.7/15

Right Out: 0.015+/-0.000 χ^2/NDF : 864637.6/18

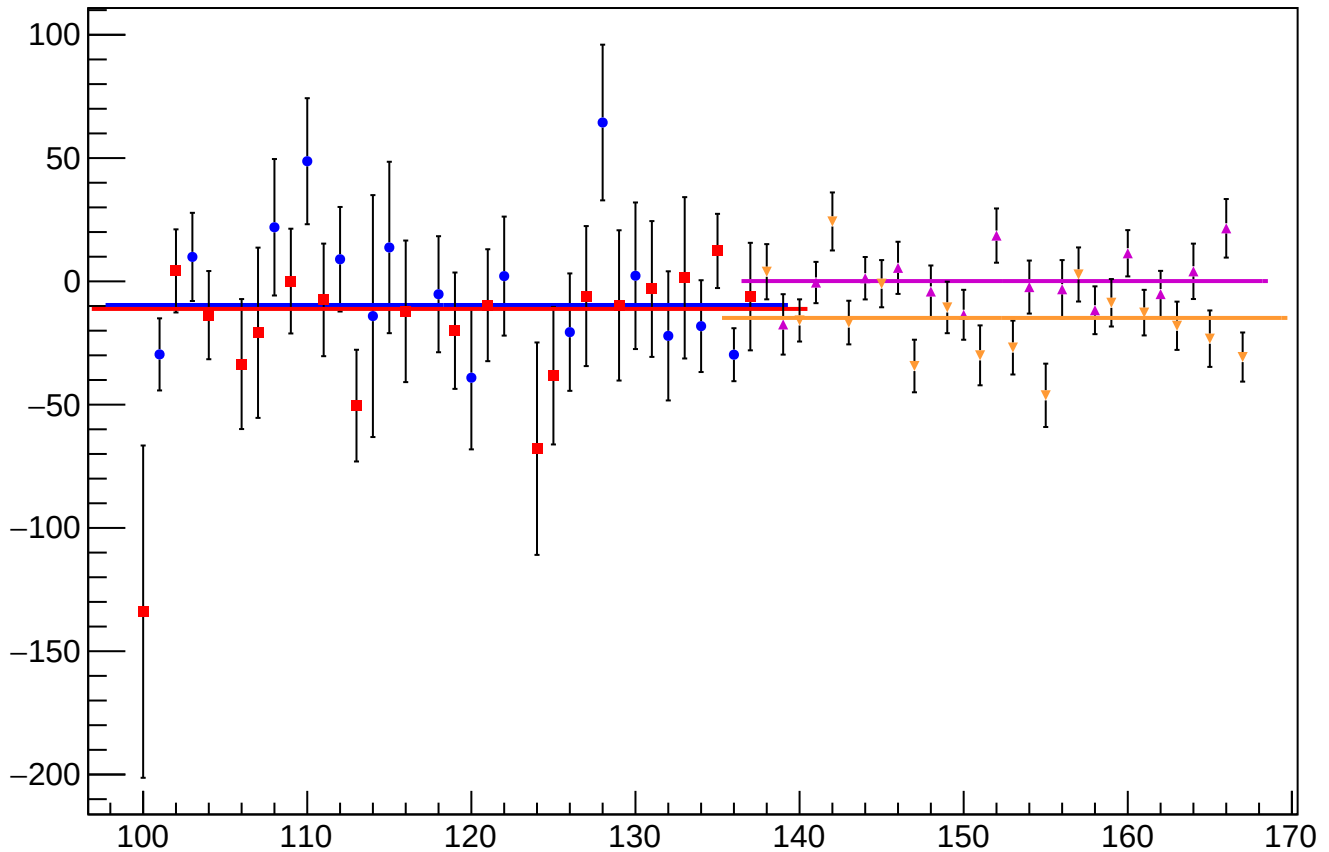
Left In: 0.008+/-0.000 χ^2/NDF : 933436.5/13

+ sign 0.009+/-0.000 χ^2/NDF : 4064075.0/31

All: 0.009+/-0.000 χ^2/NDF : 8351543.4/64

- sign 0.009+/-0.000 χ^2/NDF : 4280382.3/32

diff_bpm4aX_mean vs Slug



Right In: -9.581 ± 5.291 χ^2/NDF : 21.9/15

Left Out: -14.829 ± 2.576 χ^2/NDF : 34.5/15

Right Out: -11.177 ± 5.497 χ^2/NDF : 13.9/18

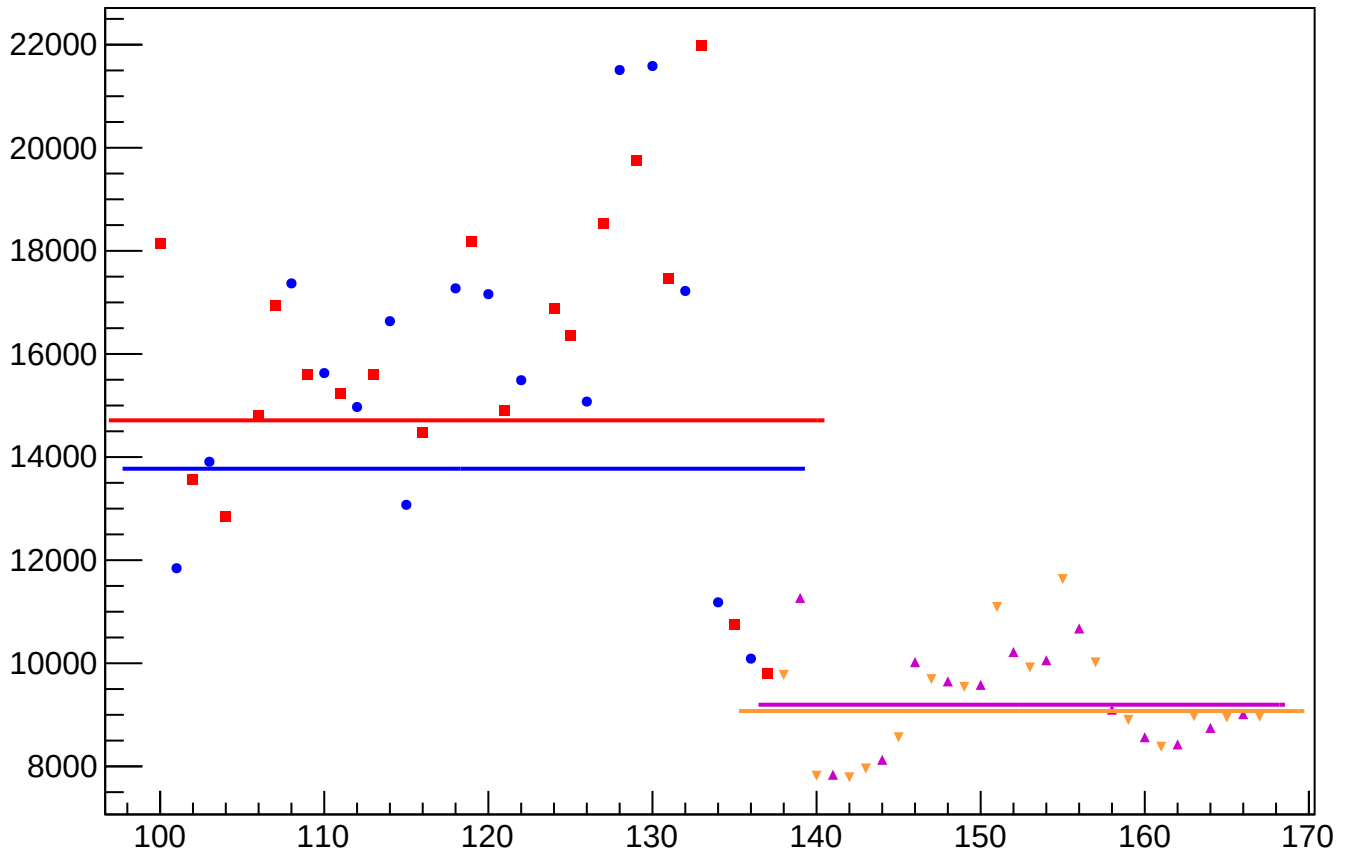
Left In: 0.119 ± 2.727 χ^2/NDF : 13.9/13

+ sign -13.823 ± 2.316 χ^2/NDF : 57.2/31

All: -8.278 ± 1.681 χ^2/NDF : 100.5/64

- sign -2.111 ± 2.443 χ^2/NDF : 31.1/32

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF : 747586.2/15

Left Out: 9073.730+/-1.822 χ^2/NDF : 296769.0/15

+ sign 9974.600+/-1.638 χ^2/NDF : 2320266.1/31

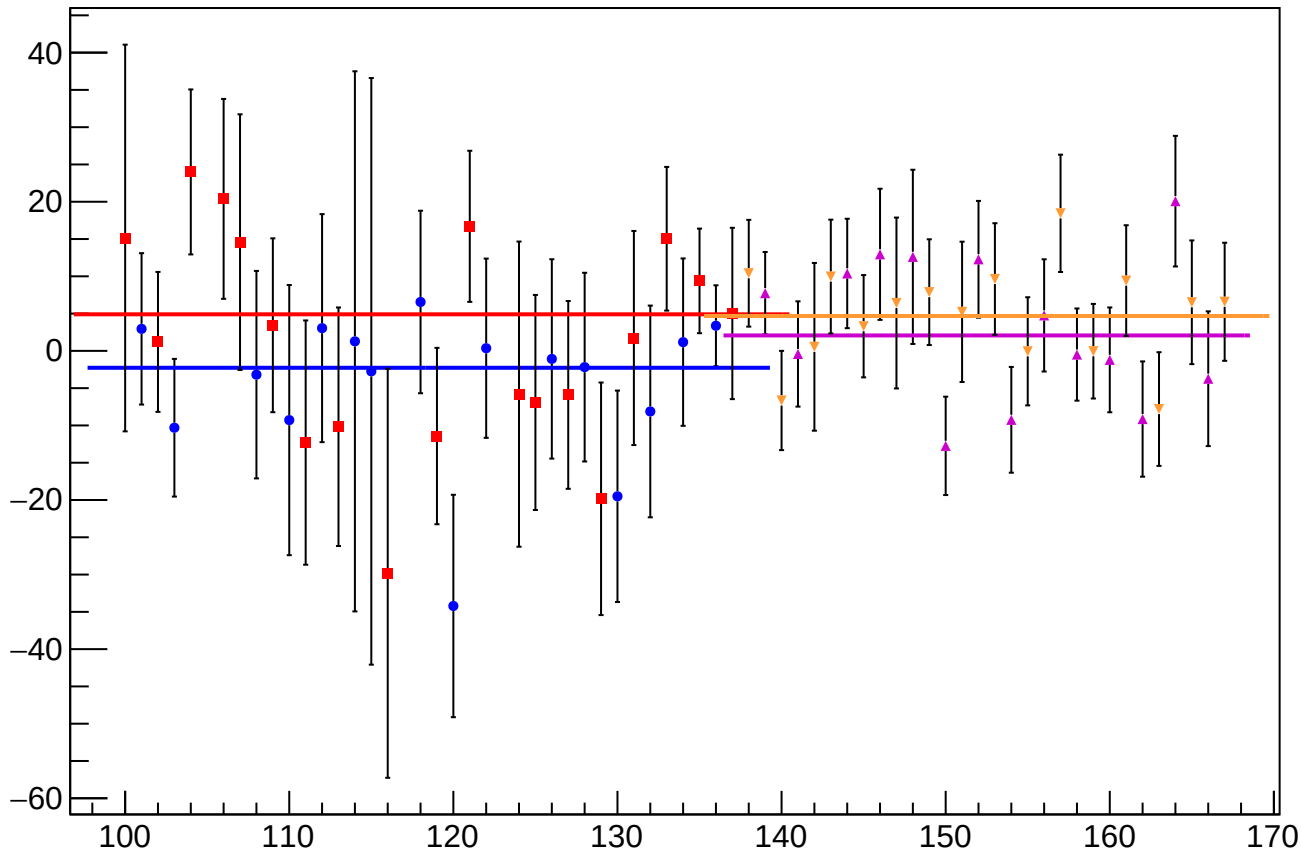
Right Out: 14712.201+/-3.887 χ^2/NDF : 557305.5/18

All: 10121.656+/-1.188 χ^2/NDF : 4758123.7/6

- sign 10285.201+/-1.727 χ^2/NDF : 2420830.5/32

Left In: 9196.047+/-1.928 χ^2/NDF : 247313.7/13

diff_bpm4aY_mean vs Slug



Right In: -2.267 ± 2.922 χ^2/NDF : 9.3/15

Left Out: 4.678 ± 1.921 χ^2/NDF : 12.1/15

Right Out: 4.904 ± 2.836 χ^2/NDF : 17.6/18

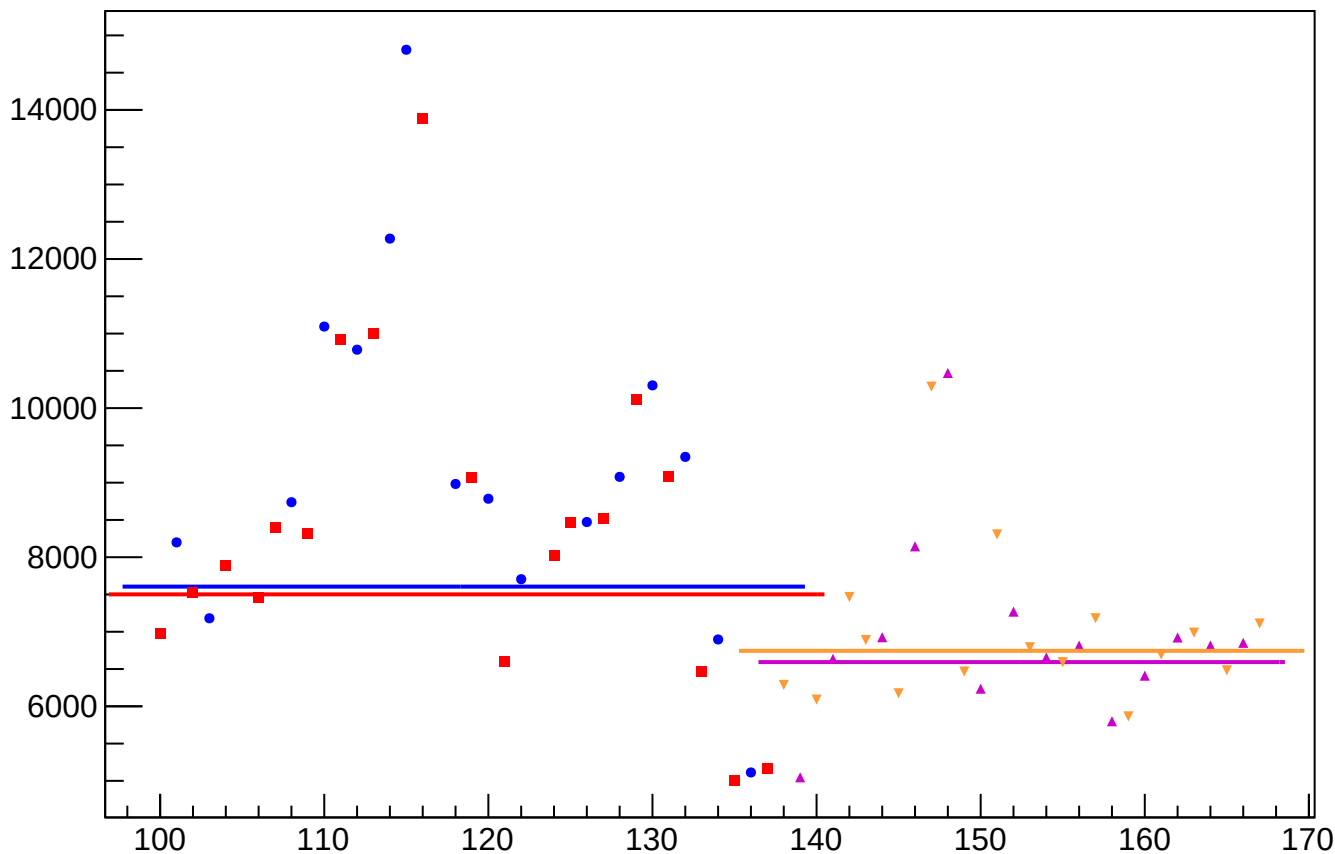
Left In: 2.069 ± 1.973 χ^2/NDF : 21.4/13

+ sign 2.582 ± 1.605 χ^2/NDF : 25.3/31

All: 2.786 ± 1.140 χ^2/NDF : 65.0/64

- sign 2.994 ± 1.619 χ^2/NDF : 39.6/32

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF : 891494.3/15

Left Out: 6744.224+/-1.358 χ^2/NDF : 353715.6/15

Right Out: 7501.522+/-2.005 χ^2/NDF : 823557.5/18

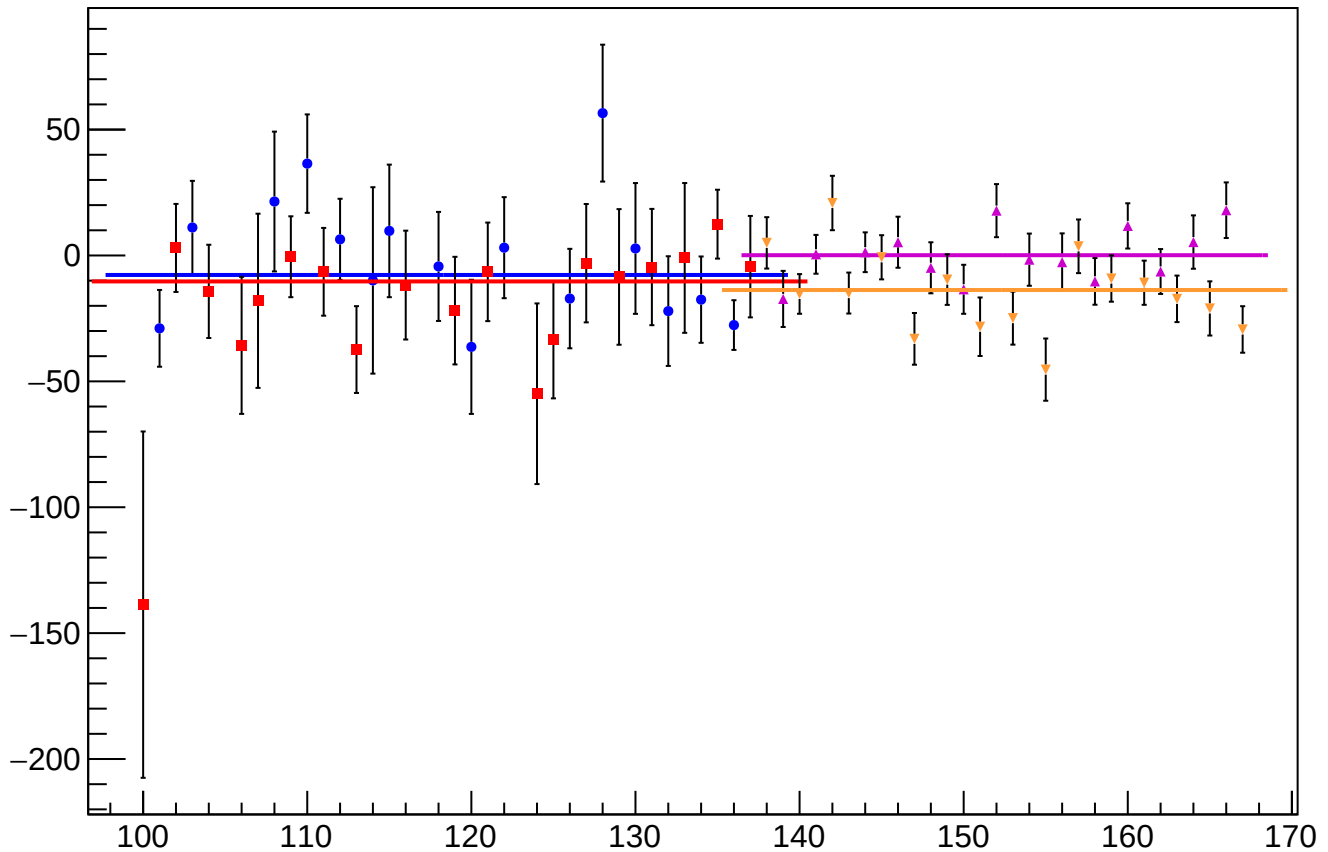
Left In: 6593.121+/-1.395 χ^2/NDF : 507322.3/13

+ sign 7004.220+/-1.135 χ^2/NDF : 1366582.8/31

All: 6947.285+/-0.806 χ^2/NDF : 2840830.8/64

- sign 6889.340+/-1.145 χ^2/NDF : 1469171.6/32

diff_bpm4eX_mean vs Slug



Right In: -7.741 ± 4.748 χ^2/NDF : 22.7/15

Left Out: -13.724 ± 2.422 χ^2/NDF : 35.3/15

Right Out: -10.307 ± 4.840 χ^2/NDF : 13.9/18

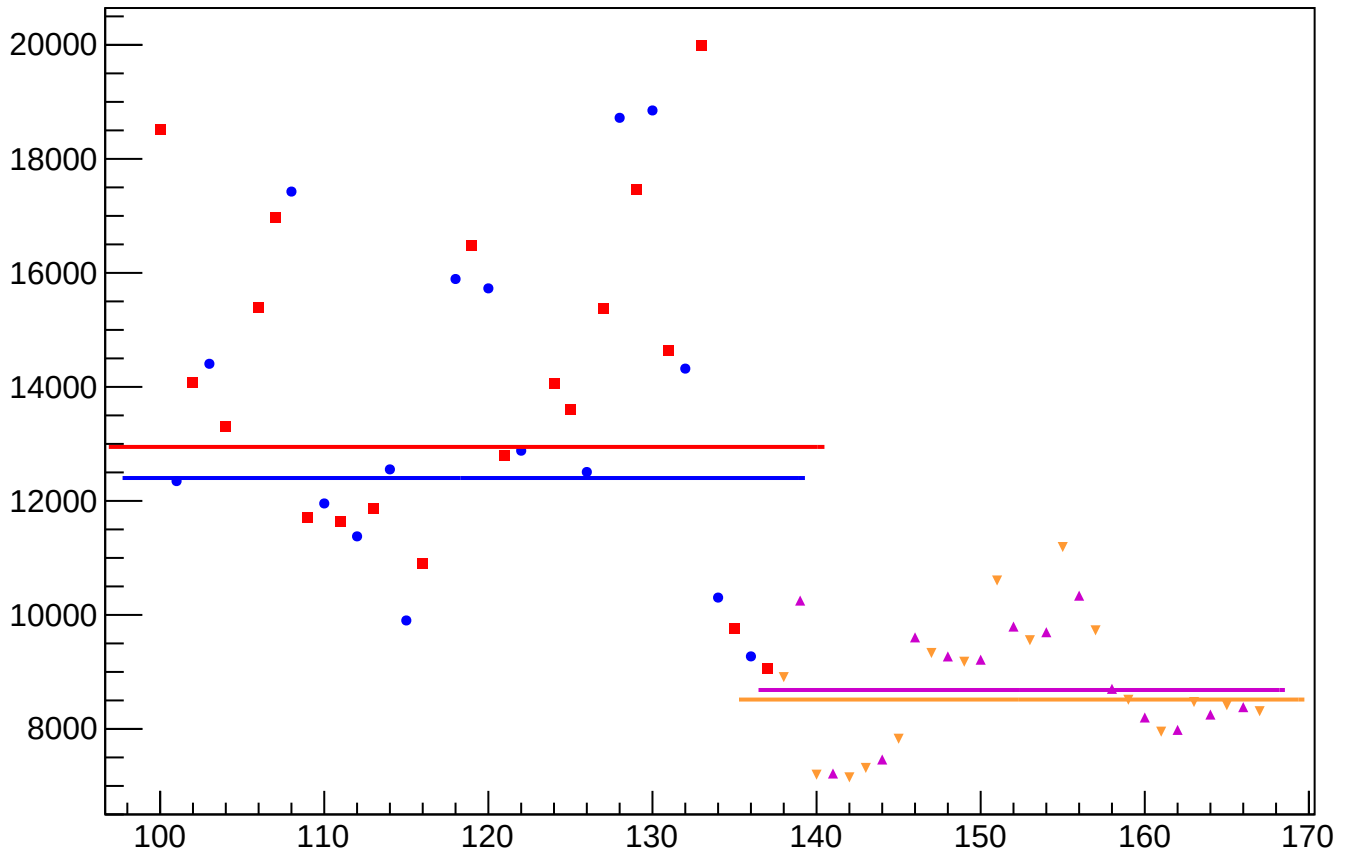
Left In: 0.106 ± 2.577 χ^2/NDF : 14.1/13

+ sign -12.489 ± 2.158 χ^2/NDF : 59.3/31

All: -7.613 ± 1.565 χ^2/NDF : 101.7/64

- sign -2.194 ± 2.275 χ^2/NDF : 31.6/32

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF : 678310.8/15

Left Out: 8515.427+/-1.713 χ^2/NDF : 381325.9/15

Right Out: 12947.255+/-3.422 χ^2/NDF : 555198.3/18

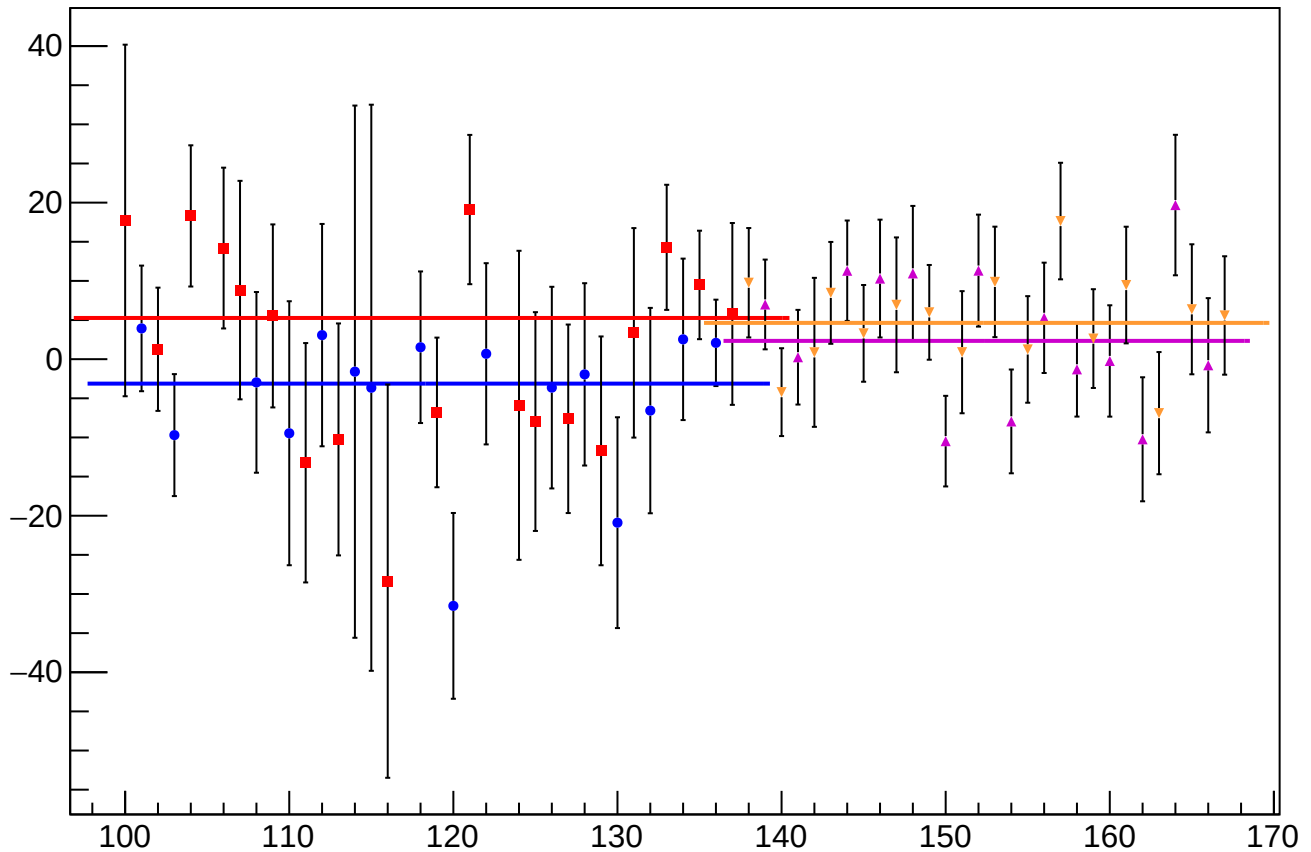
Left In: 8683.178+/-1.822 χ^2/NDF : 294929.5/13

+ sign 9317.927+/-1.526 χ^2/NDF : 2122829.3/31

All: 9463.430+/-1.107 χ^2/NDF : 4201725.3/64

- sign 9625.153+/-1.608 χ^2/NDF : 2059691.5/32

diff_bpm4eY_mean vs Slug



Right In: -3.123 ± 2.656 χ^2/NDF : 10.9/15

Left Out: 4.636 ± 1.764 χ^2/NDF : 10.5/15

Right Out: 5.265 ± 2.553 χ^2/NDF : 16.9/18

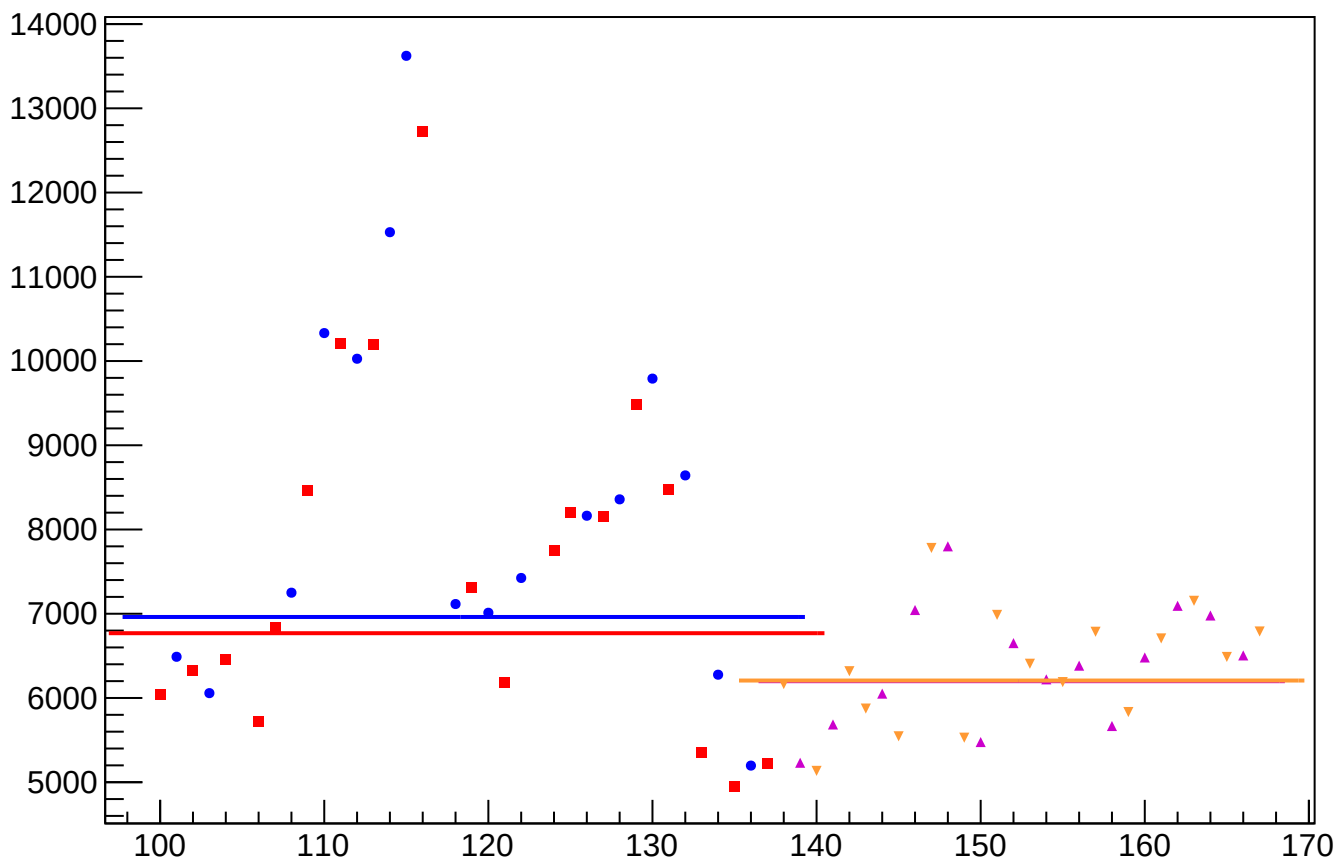
Left In: 2.337 ± 1.842 χ^2/NDF : 20.8/13

+ sign 2.261 ± 1.469 χ^2/NDF : 27.4/31

All: 2.791 ± 1.048 χ^2/NDF : 66.2/64

- sign 3.340 ± 1.494 χ^2/NDF : 38.6/32

diff_bpm4eY_rms vs Slug



Right In: 6961.606 $\pm$ 1.878 χ^2 /NDF: 696410.4/15

Left Out: 6207.100 $\pm$ 1.247 χ^2 /NDF: 286708.3/15

Right Out: 6768.993 $\pm$ 1.805 χ^2 /NDF: 798105.0/18

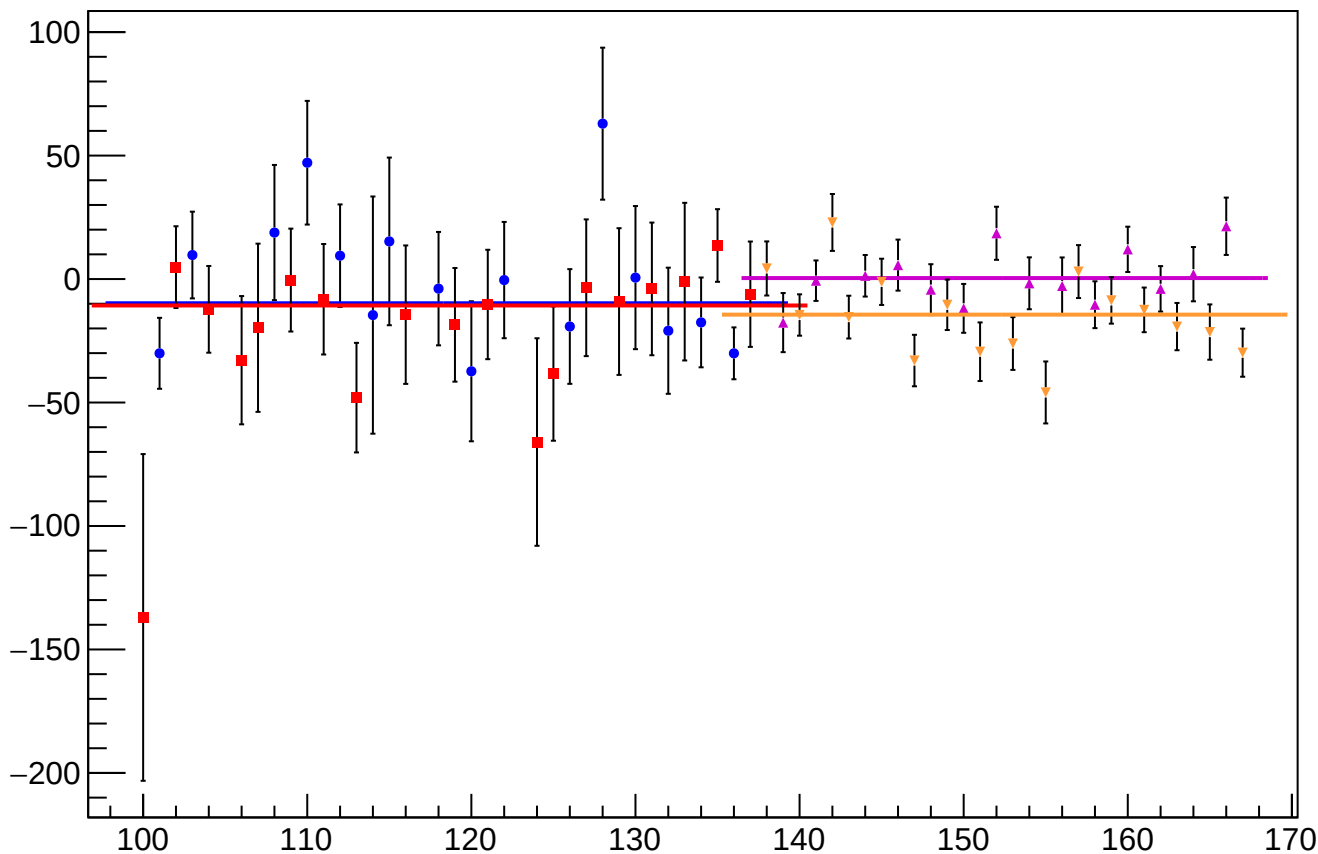
Left In: 6199.183 $\pm$ 1.303 χ^2 /NDF: 269081.6/13

+ sign 6438.036 $\pm$ 1.039 χ^2 /NDF: 1095145.0/31

All: 6416.542 $\pm$ 0.741 χ^2 /NDF: 2228710.8/64

- sign 6394.316 $\pm$ 1.056 χ^2 /NDF: 1132695.2/32

diff_bpm4acX_mean vs Slug



Right In: -9.810 ± 5.178 χ^2/NDF : 22.0/15

Left Out: -14.412 ± 2.519 χ^2/NDF : 34.1/15

Right Out: -10.703 ± 5.381 χ^2/NDF : 14.3/18

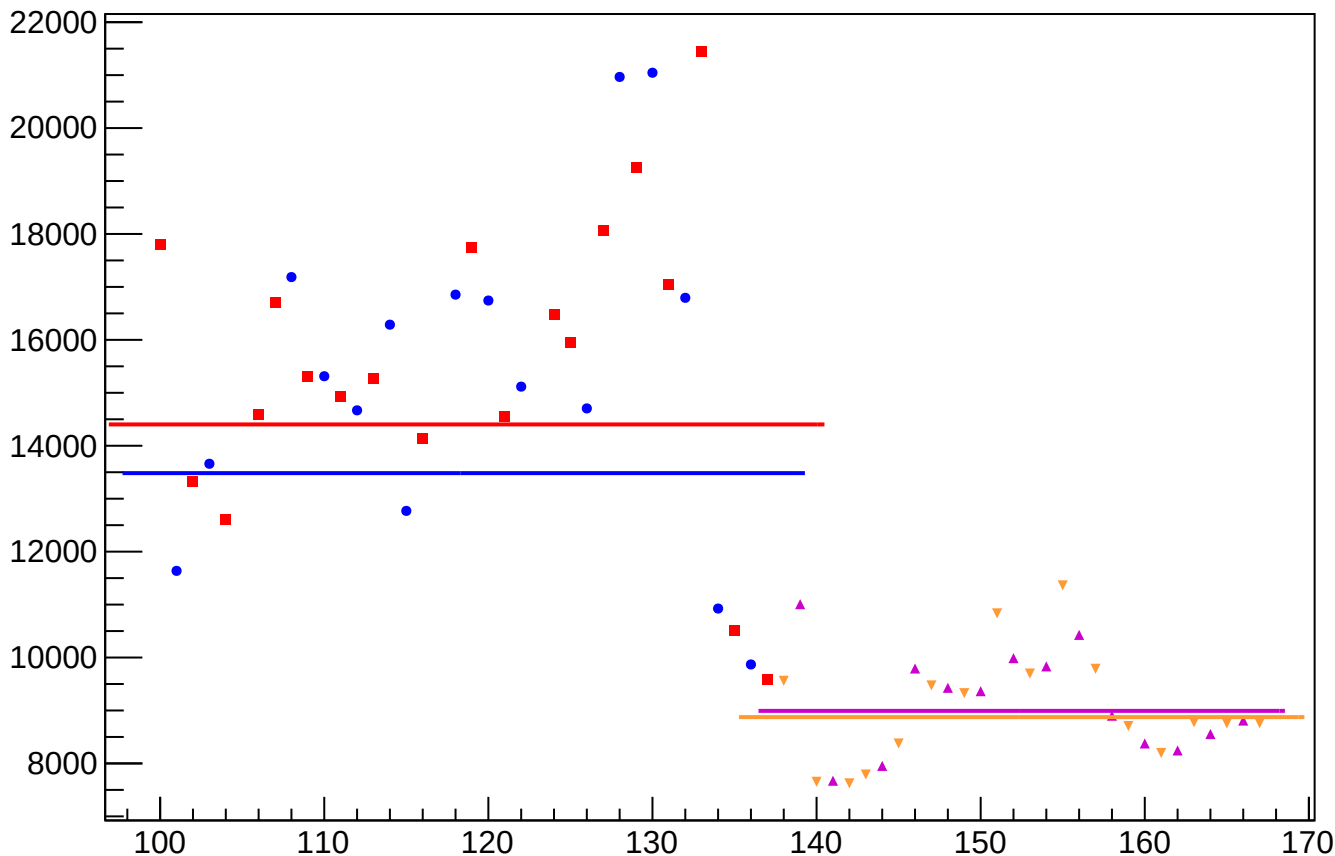
Left In: 0.399 ± 2.666 χ^2/NDF : 13.7/13

+ sign -13.531 ± 2.266 χ^2/NDF : 56.8/31

All: -7.972 ± 1.644 χ^2/NDF : 100.9/64

- sign -1.790 ± 2.389 χ^2/NDF : 31.4/32

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF : 743704.4/15

Left Out: 8874.690+/-1.782 χ^2/NDF : 293605.5/15

Right Out: 14402.670+/-3.805 χ^2/NDF : 552430.0/18

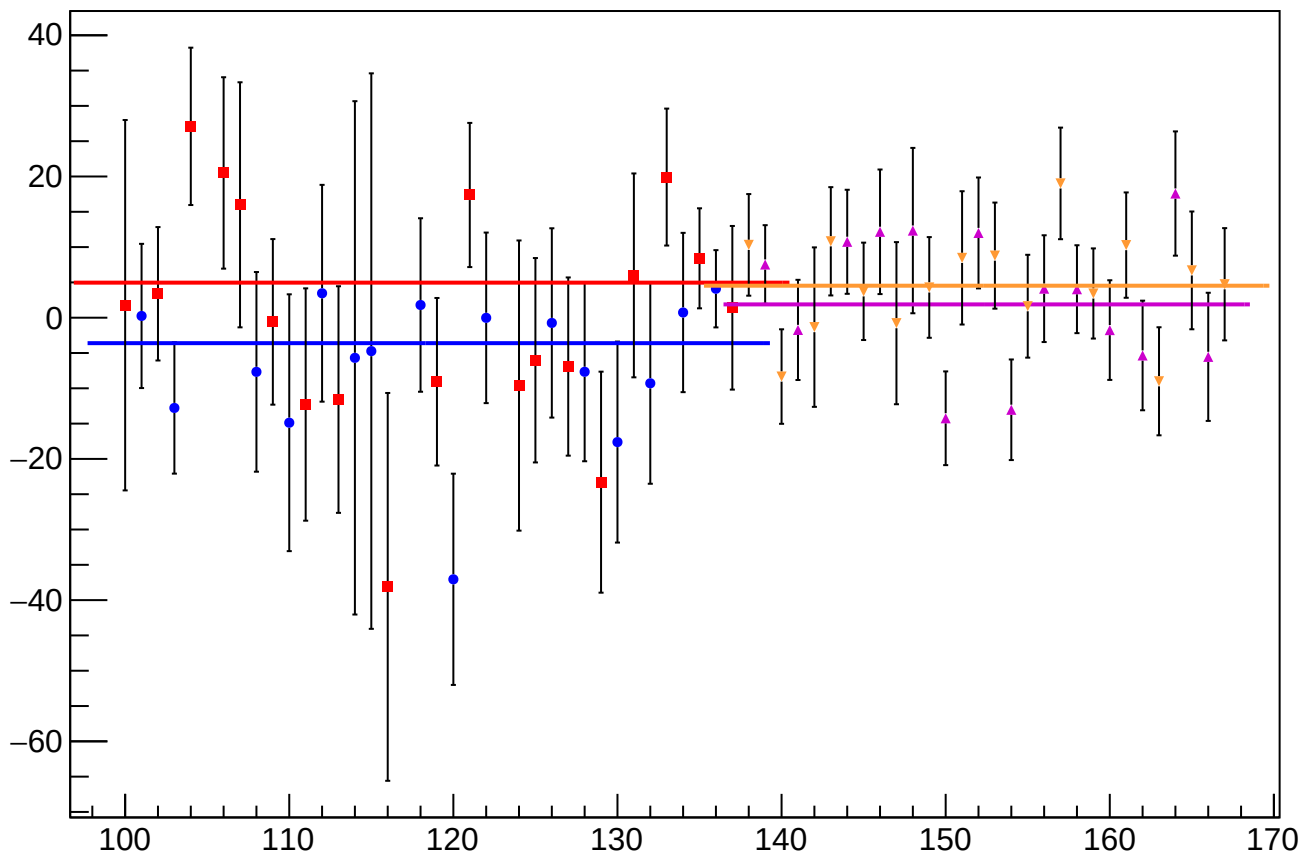
Left In: 8992.926+/-1.885 χ^2/NDF : 244336.4/13

+ sign 9756.826+/-1.602 χ^2/NDF : 2318091.7/31

All: 9900.080+/-1.162 χ^2/NDF : 4754930.3/64

- sign 10059.369+/-1.689 χ^2/NDF : 2419950.5/32

diff_bpm4acY_mean vs Slug



Right In: -3.605 $\pm$ 2.940 χ^2 /NDF: 10.5/15

Left Out: 4.532 $\pm$ 1.930 χ^2 /NDF:13.4/15

Right Out: 4.965 $\pm$ 2.855 χ^2 /NDF: 21.4/18

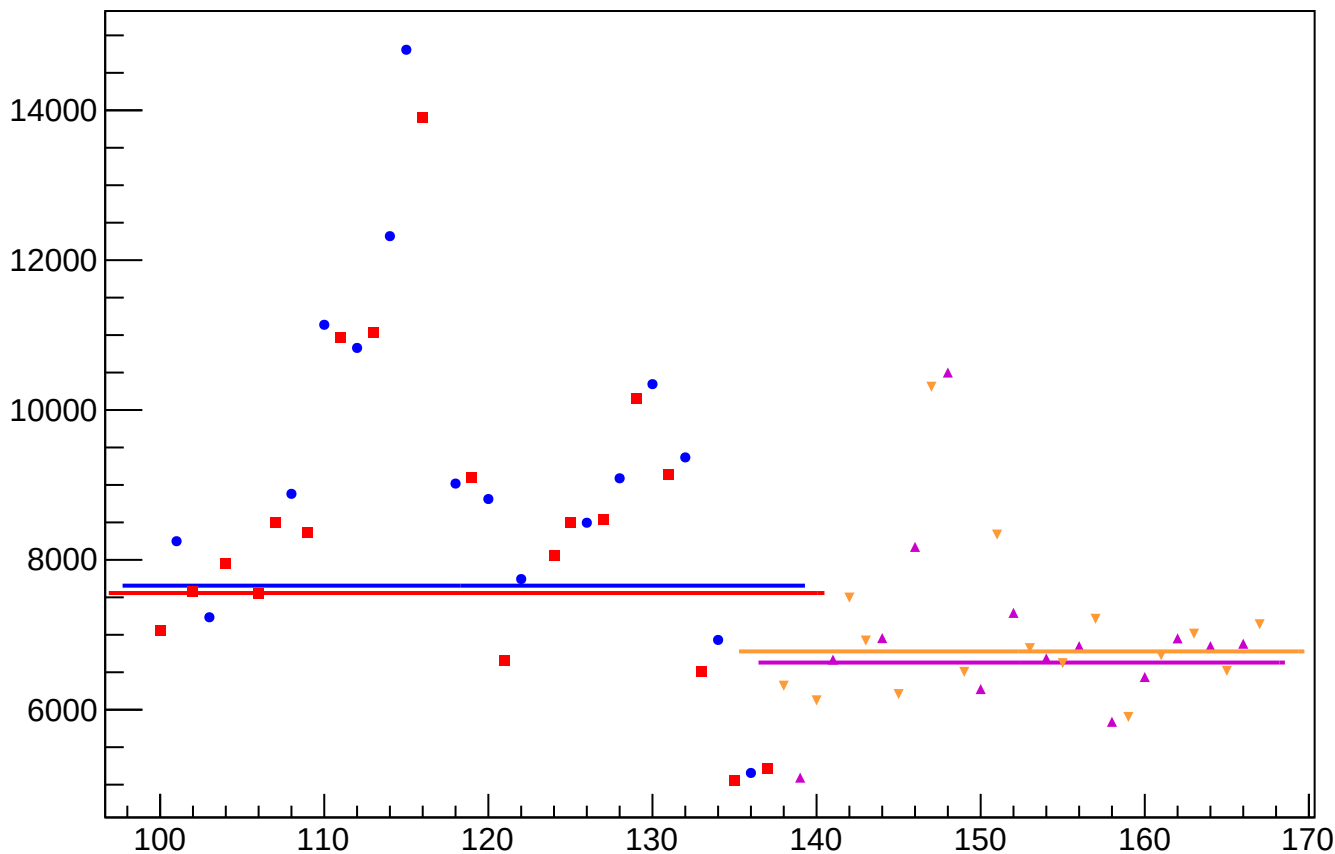
Left In: 1.884 $\pm$ 1.983 χ^2 /NDF:22.0/13

+ sign 2.080 $\pm$ 1.614 χ^2 /NDF: 29.2/31

All: 2.480 $\pm$ 1.146 χ^2 /NDF: 73.5/64

- sign 2.887 $\pm$ 1.629 χ^2 /NDF: 44.2/32

diff_bpm4acY_rms vs Slug



Right In: 7655.851 ± 2.079 $\chi^2/\text{NDF}: 879769.7/15$

Left Out: 6778.182 ± 1.365 $\chi^2/\text{NDF}: 349151.8/15$

Right Out: 7557.497 ± 2.019 $\chi^2/\text{NDF}: 809860.3/18$

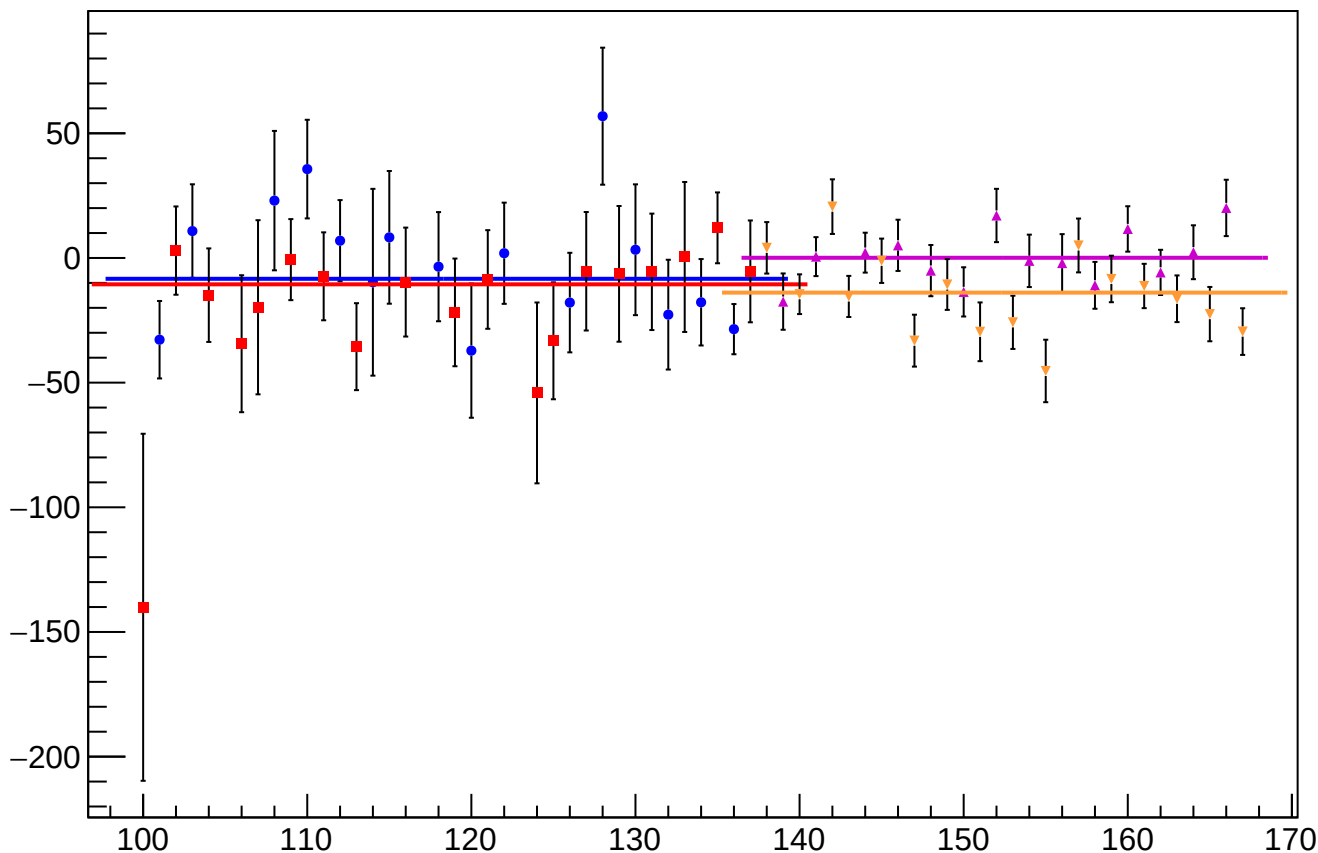
Left In: 6629.504 ± 1.402 $\chi^2/\text{NDF}: 497482.2/13$

+ sign 7042.595 ± 1.141 $\chi^2/\text{NDF}: 1353465.7/31$

All: 6987.535 ± 0.811 $\chi^2/\text{NDF}: 2808019.1/64$

- sign 6931.441 ± 1.152 $\chi^2/\text{NDF}: 1449852.7/32$

diff_bpm4ecX_mean vs Slug



Right In: -8.352 ± 4.814 χ^2/NDF : 23.2/15

Left Out: -13.897 ± 2.454 χ^2/NDF : 34.9/15

Right Out: -10.573 ± 4.911 χ^2/NDF : 12.9/18

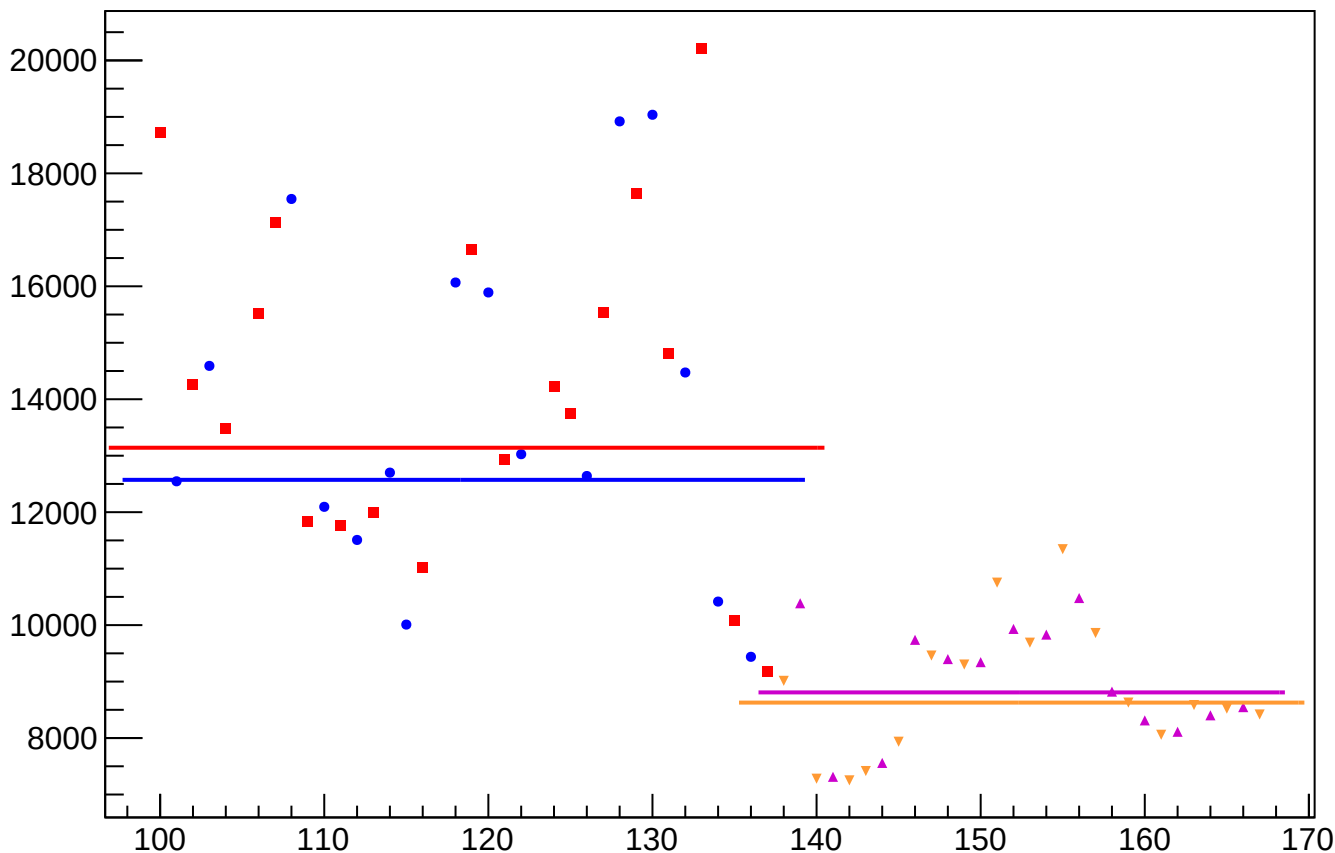
Left In: 0.078 ± 2.615 χ^2/NDF : 14.0/13

+ sign -12.753 ± 2.186 χ^2/NDF : 59.2/31

All: -7.797 ± 1.587 χ^2/NDF : 100.6/64

- sign -2.275 ± 2.308 χ^2/NDF : 30.6/32

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF : 665026.8/15

Left Out: 8627.920+/-1.735 χ^2/NDF : 382880.0/15

Right Out: 13141.218+/-3.473 χ^2/NDF : 534726.5/18

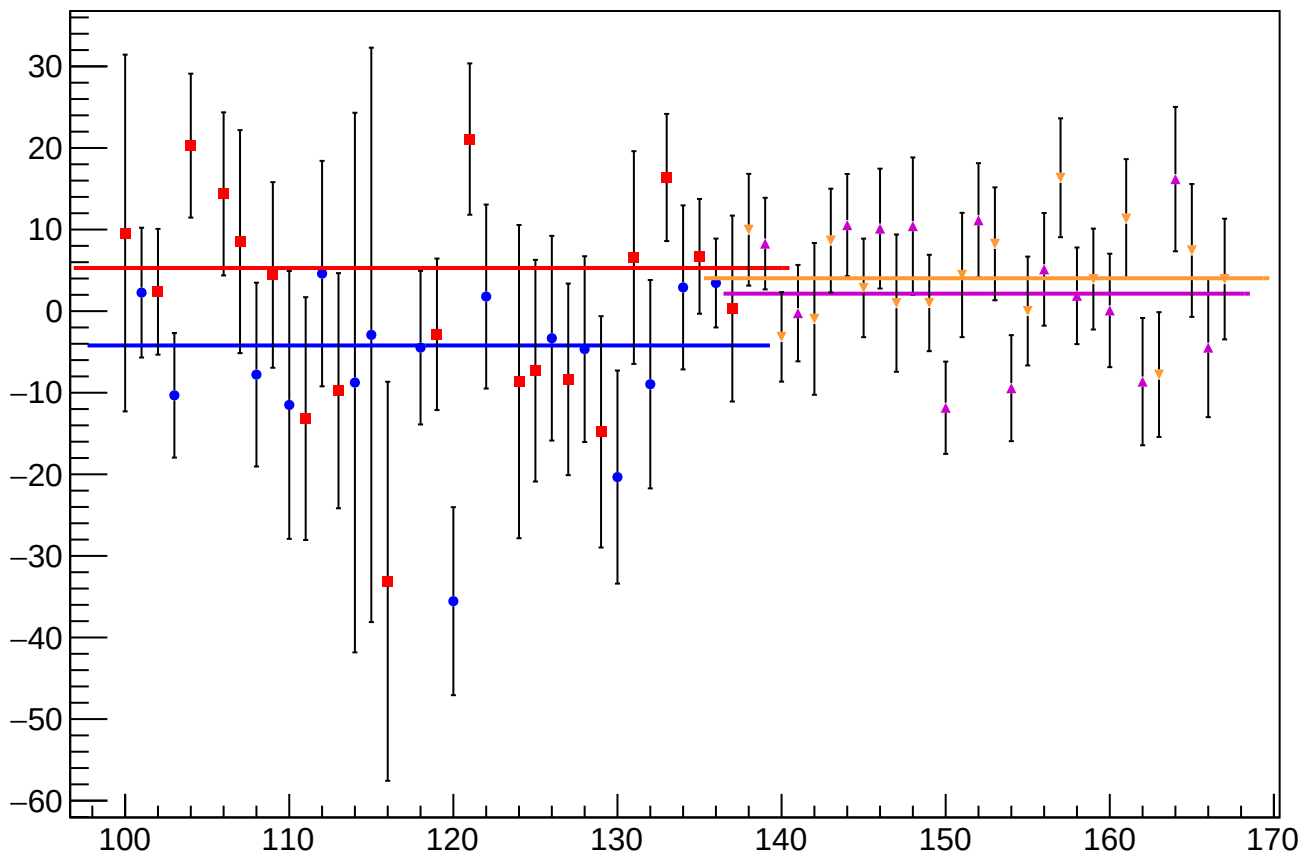
Left In: 8808.365+/-1.849 χ^2/NDF : 294181.5/13

+ sign 9441.744+/-1.546 χ^2/NDF : 2113852.5/31

All: 9594.865+/-1.122 χ^2/NDF : 4176470.7/64

- sign 9765.499+/-1.632 χ^2/NDF : 2041879.0/32

diff_bpm4ecY_mean vs Slug



Right In: -4.204 ± 2.600 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 4.034 ± 1.726 $\chi^2/\text{NDF}: 10.9/15$

Right Out: 5.288 ± 2.502 $\chi^2/\text{NDF}: 19.7/18$

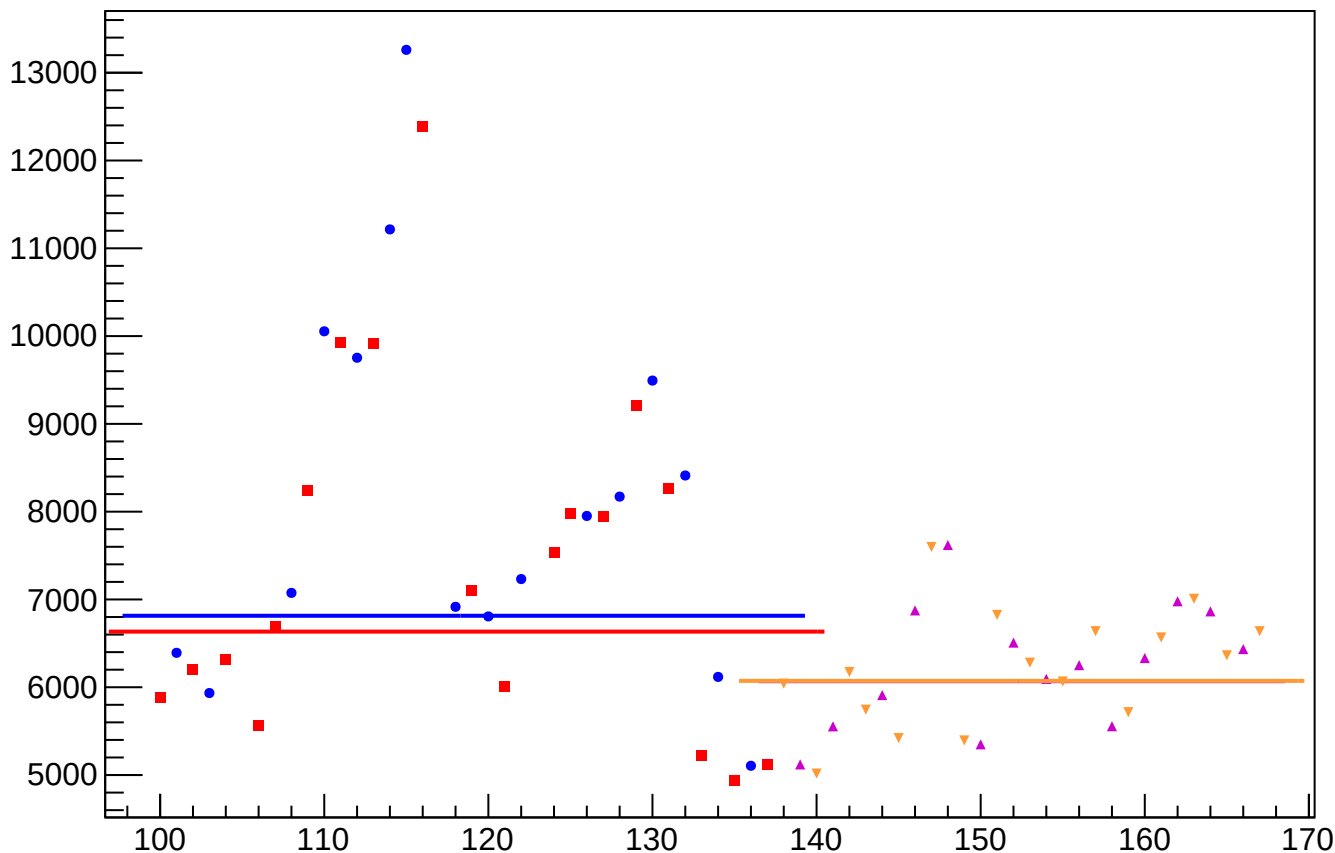
Left In: 2.145 ± 1.805 $\chi^2/\text{NDF}: 21.6/13$

+ sign 1.515 ± 1.438 $\chi^2/\text{NDF}: 31.7/31$

All: 2.353 ± 1.026 $\chi^2/\text{NDF}: 74.7/64$

- sign 3.220 ± 1.464 $\chi^2/\text{NDF}: 42.3/32$

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF : 674093.4/15

Left Out: 6072.555+/-1.220 χ^2/NDF : 288489.6/15

Right Out: 6633.695+/-1.769 χ^2/NDF : 763347.6/18

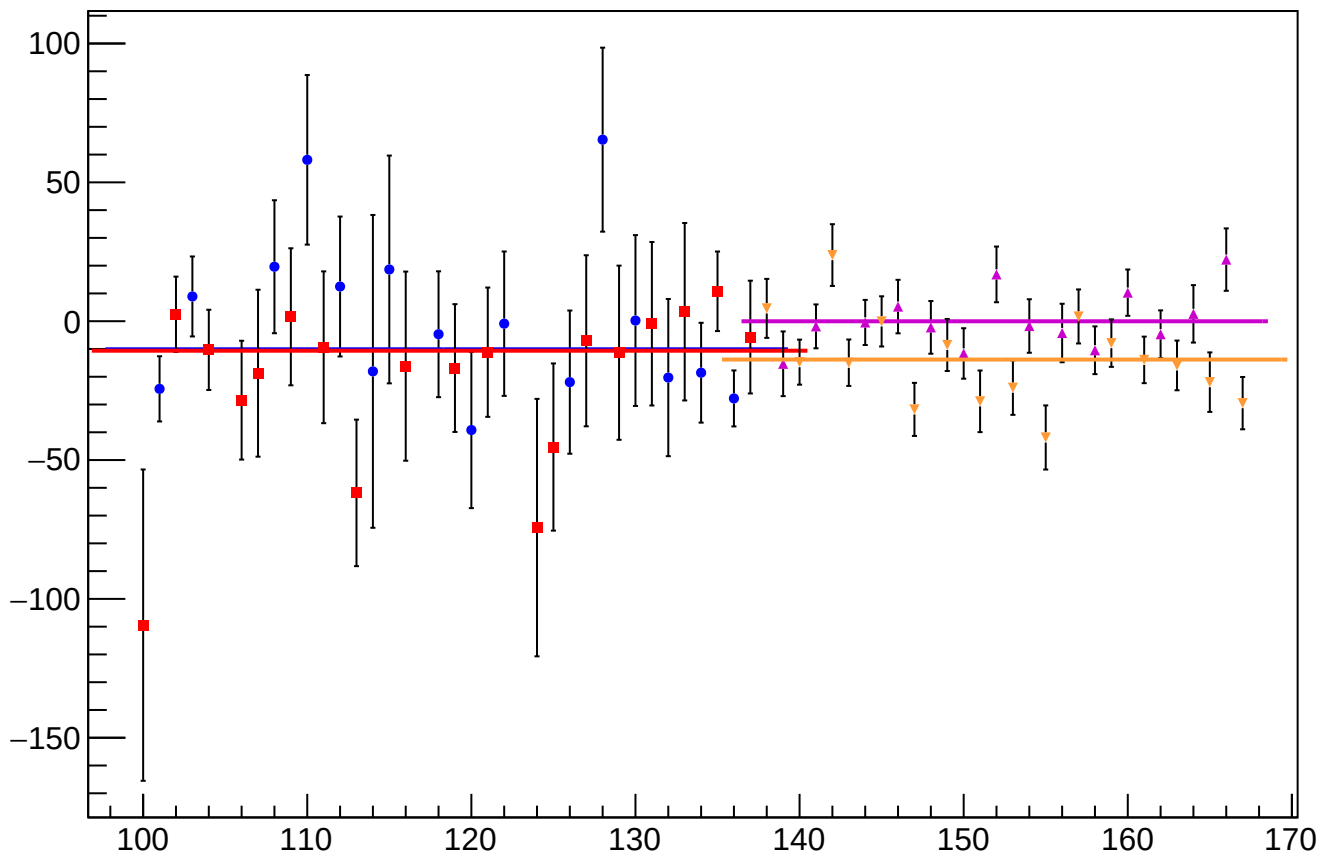
Left In: 6068.811+/-1.276 χ^2/NDF : 272052.5/13

+ sign 6299.316+/-1.017 χ^2/NDF : 1075559.6/31

All: 6281.044+/-0.725 χ^2/NDF : 2178678.6/64

- sign 6262.109+/-1.035 χ^2/NDF : 1102461.2/32

diff_bpm1X_mean vs Slug



Right In: -10.113 ± 5.017 χ^2/NDF : 21.3/15

Left Out: -13.813 ± 2.370 χ^2/NDF : 35.9/15

Right Out: -10.624 ± 5.277 χ^2/NDF : 14.7/18

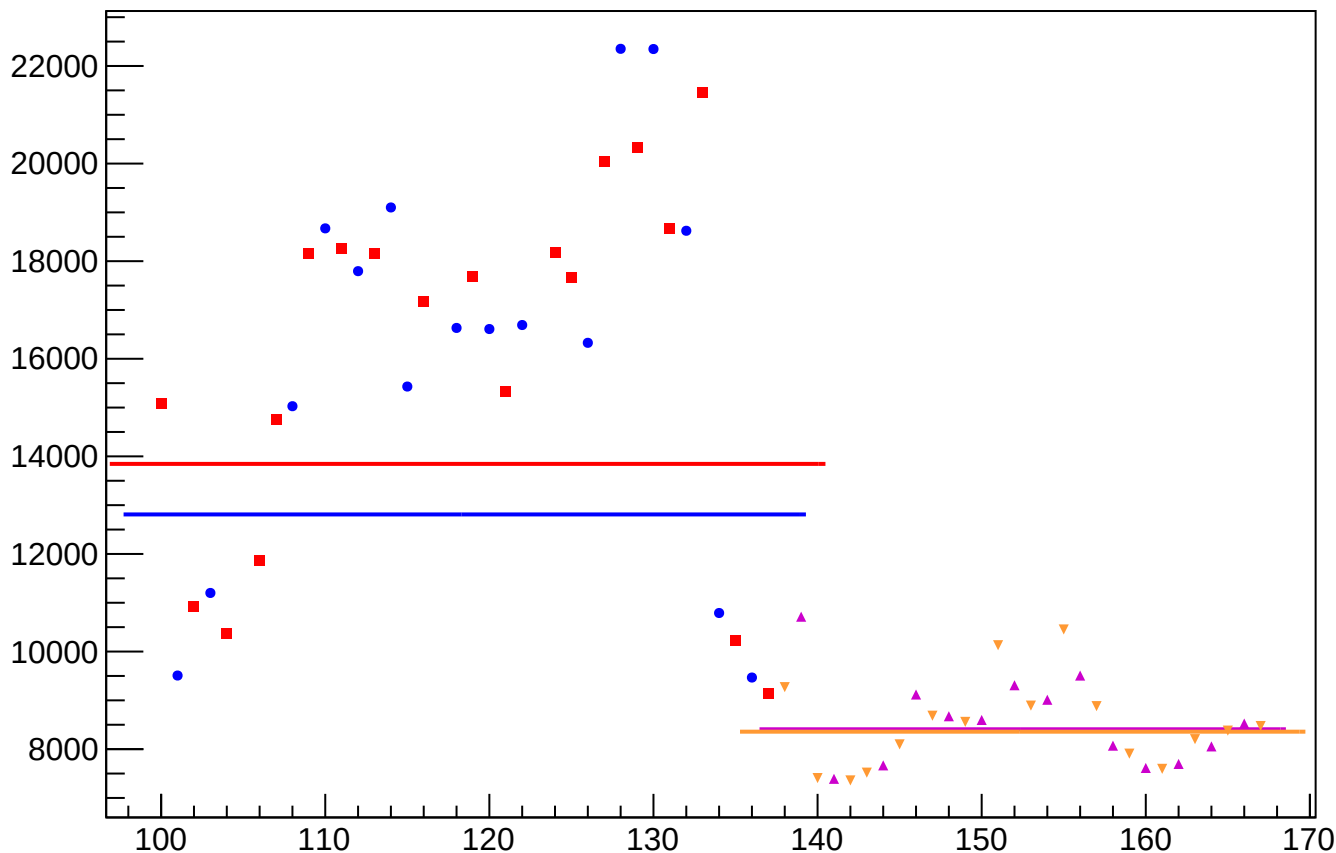
Left In: -0.027 ± 2.492 χ^2/NDF : 14.1/13

+ sign -13.138 ± 2.143 χ^2/NDF : 57.6/31

All: -7.829 ± 1.553 χ^2/NDF : 102.6/64

- sign -1.959 ± 2.253 χ^2/NDF : 32.1/32

diff_bpm1X_rms vs Slug



Right In: 12809.964 $\pm$ 3.548 χ^2 /NDF: 1248252.1/15

Left Out: 8358.006 $\pm$ 1.676 χ^2 /NDF:234985.6/15

Right Out: 13845.622 $\pm$ 3.731 χ^2 /NDF: 1096555.2/18

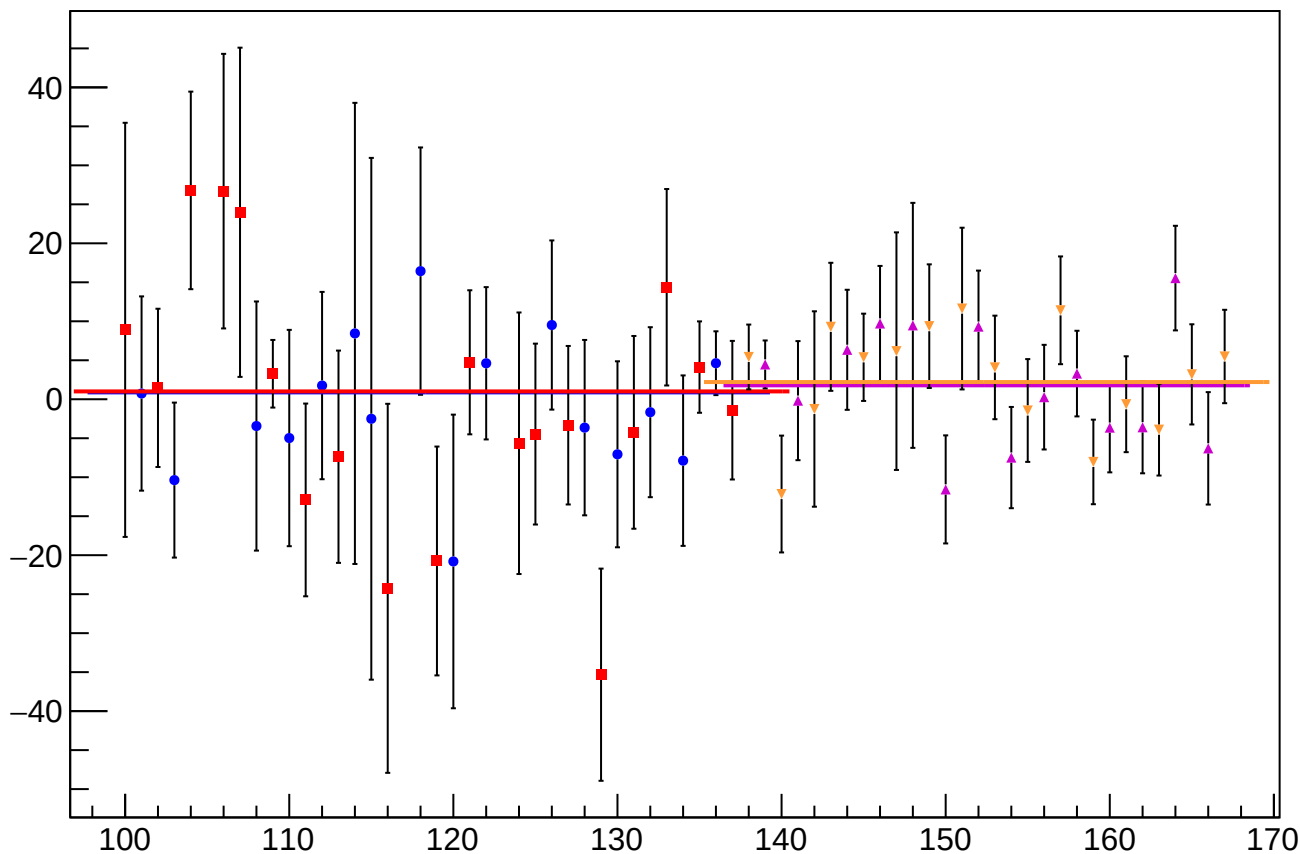
Left In: 8407.180 $\pm$ 1.762 χ^2 /NDF:224770.5/13

+ sign 9170.079 $\pm$ 1.515 χ^2 /NDF: 2770719.5/31

All: 9278.716 $\pm$ 1.098 χ^2 /NDF: 5839990.9/64

- sign 9398.834 $\pm$ 1.593 χ^2 /NDF: 3058447.0/32

diff_bpm1Y_mean vs Slug



Right In: 0.882 ± 2.566 χ^2/NDF : 6.8/15

Left Out: 2.207 ± 1.652 χ^2/NDF : 14.5/15

Right Out: 1.006 ± 2.314 χ^2/NDF : 22.3/18

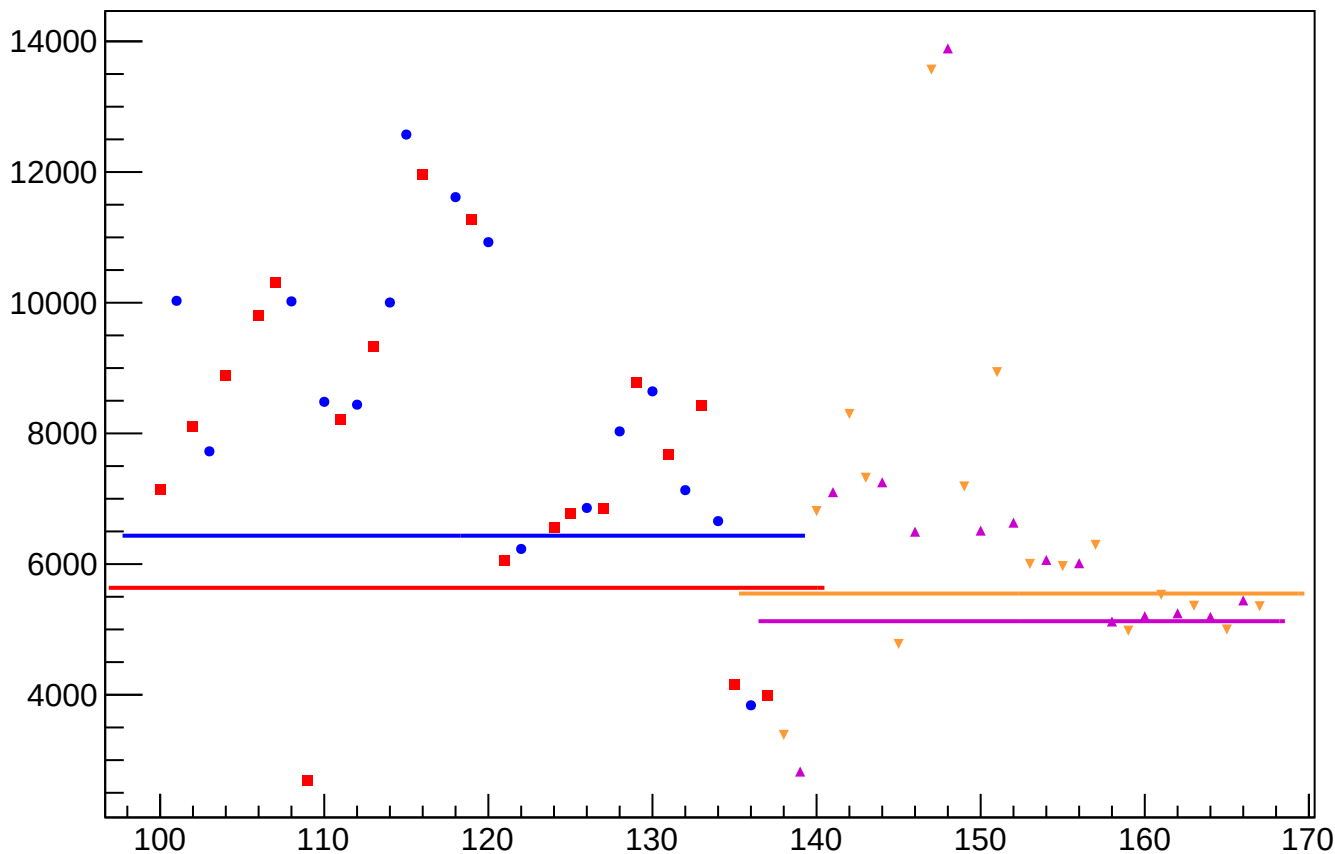
Left In: 1.785 ± 1.618 χ^2/NDF : 16.7/13

+ sign 1.819 ± 1.389 χ^2/NDF : 21.5/31

All: 1.667 ± 0.959 χ^2/NDF : 60.6/64

- sign 1.530 ± 1.326 χ^2/NDF : 39.1/32

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF : 1750609.4/15

Left Out: 5549.198+/-1.168 χ^2/NDF : 1760494.5/15

Right Out: 5637.344+/-1.636 χ^2/NDF : 2580013.6/18

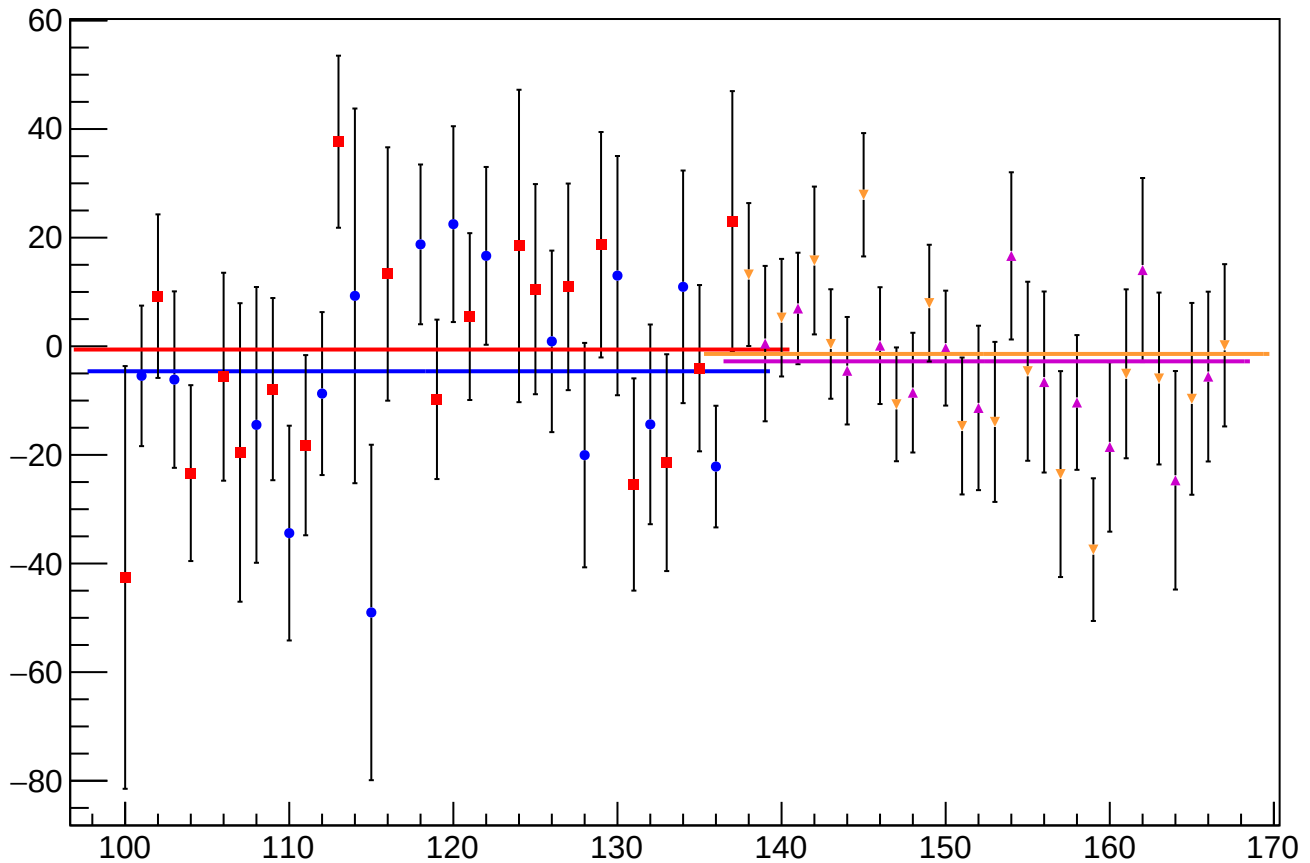
Left In: 5126.240+/-1.144 χ^2/NDF : 2349650.7/13

+ sign 5808.606+/-0.982 χ^2/NDF : 3679431.0/31

All: 5539.359+/-0.678 χ^2/NDF : 8818259.6/64

- sign 5294.044+/-0.938 χ^2/NDF : 4995207.7/32

diff_bpm11X_mean vs Slug



Right In: -4.602 ± 4.355 χ^2/NDF : 15.8/15

Left Out: -1.410 ± 3.261 χ^2/NDF : 22.6/15

Right Out: -0.600 ± 4.266 χ^2/NDF : 17.9/18

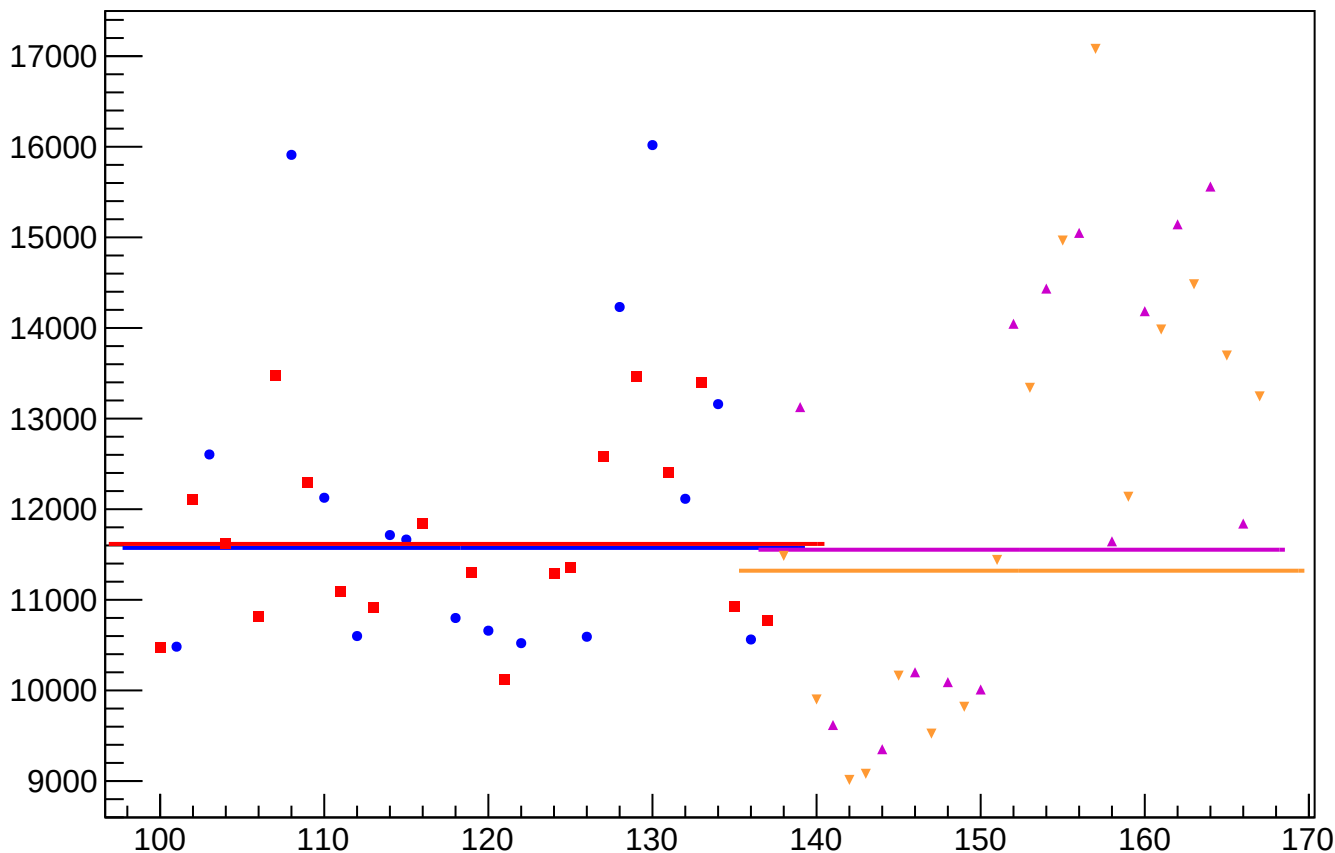
Left In: -2.774 ± 3.466 χ^2/NDF : 6.9/13

+ sign -2.557 ± 2.610 χ^2/NDF : 38.7/31

All: -2.243 ± 1.873 χ^2/NDF : 63.7/64

- sign -1.910 ± 2.690 χ^2/NDF : 25.0/32

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF : 260067.0/15

Left Out: 11321.329+/-2.306 χ^2/NDF : 845373.8/15

Right Out: 11616.773+/-3.017 χ^2/NDF : 93165.6/18

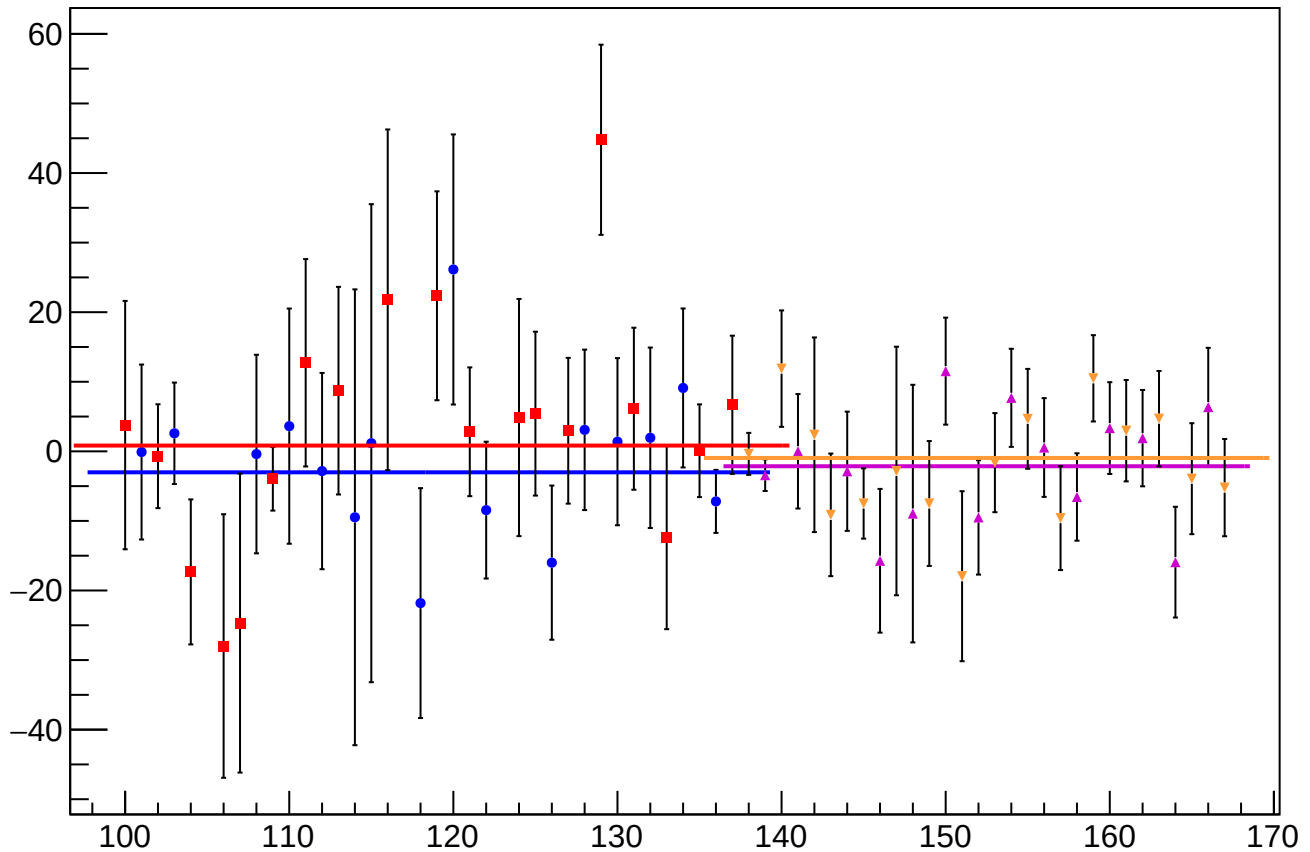
Left In: 11552.867+/-2.451 χ^2/NDF : 742858.6/13

+ sign 11411.776+/-1.846 χ^2/NDF : 1109723.3/31

All: 11492.512+/-1.325 χ^2/NDF : 1949963.8/6

- sign 11578.276+/-1.902 χ^2/NDF : 836294.5/32

diff_bpm11Y_mean vs Slug



Right In: -3.014 ± 2.654 χ^2/NDF : 8.7/15

Left Out: -0.950 ± 1.660 χ^2/NDF : 14.3/15

Right Out: 0.831 ± 2.352 χ^2/NDF : 23.8/18

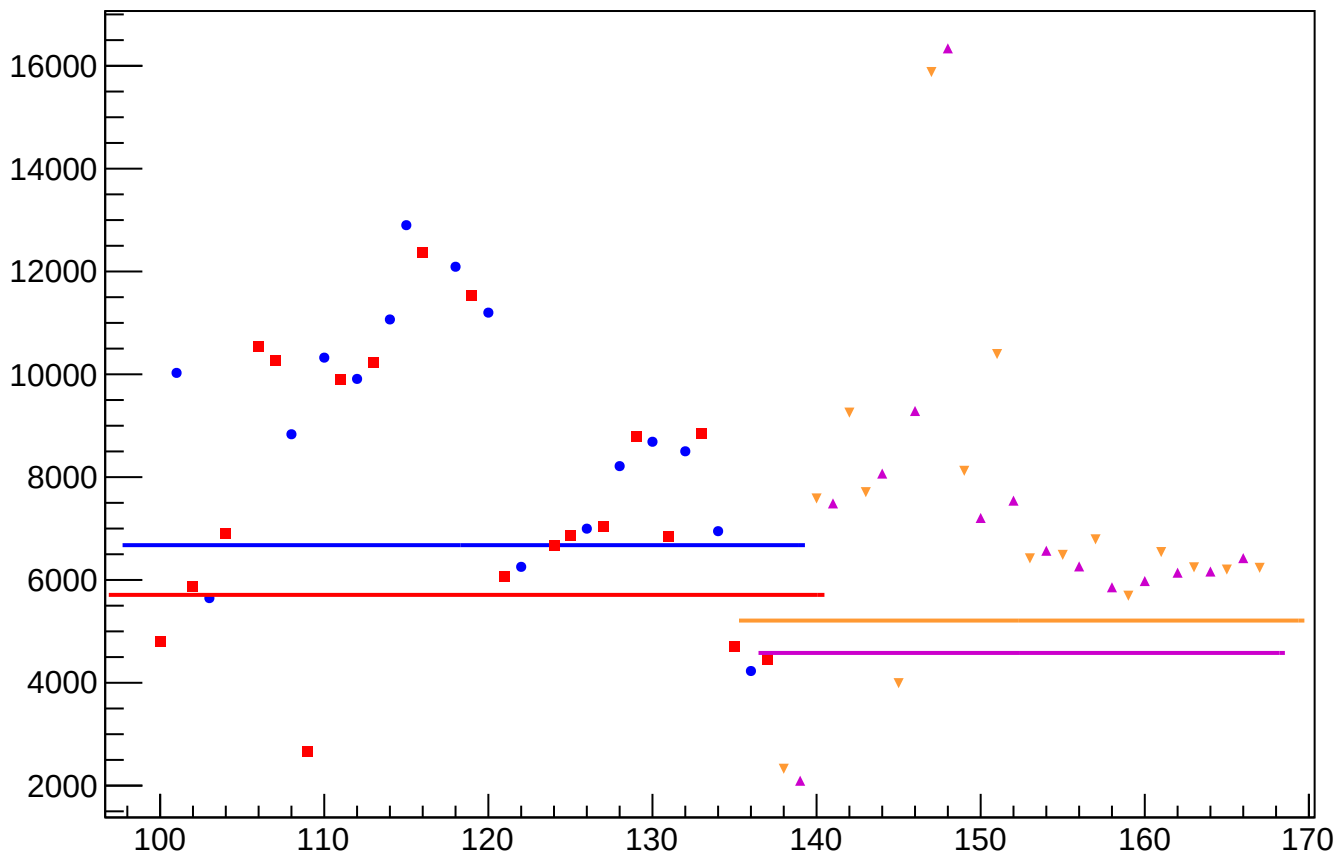
Left In: -2.143 ± 1.574 χ^2/NDF : 13.8/13

+ sign -1.531 ± 1.407 χ^2/NDF : 23.4/31

All: -1.365 ± 0.958 χ^2/NDF : 62.2/64

- sign -1.222 ± 1.308 χ^2/NDF : 38.8/32

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF : 1572864.3/15

Left Out: 5210.274+/-1.174 χ^2/NDF : 4123470.4/15

Right Out: 5709.821+/-1.663 χ^2/NDF : 2301039.5/18

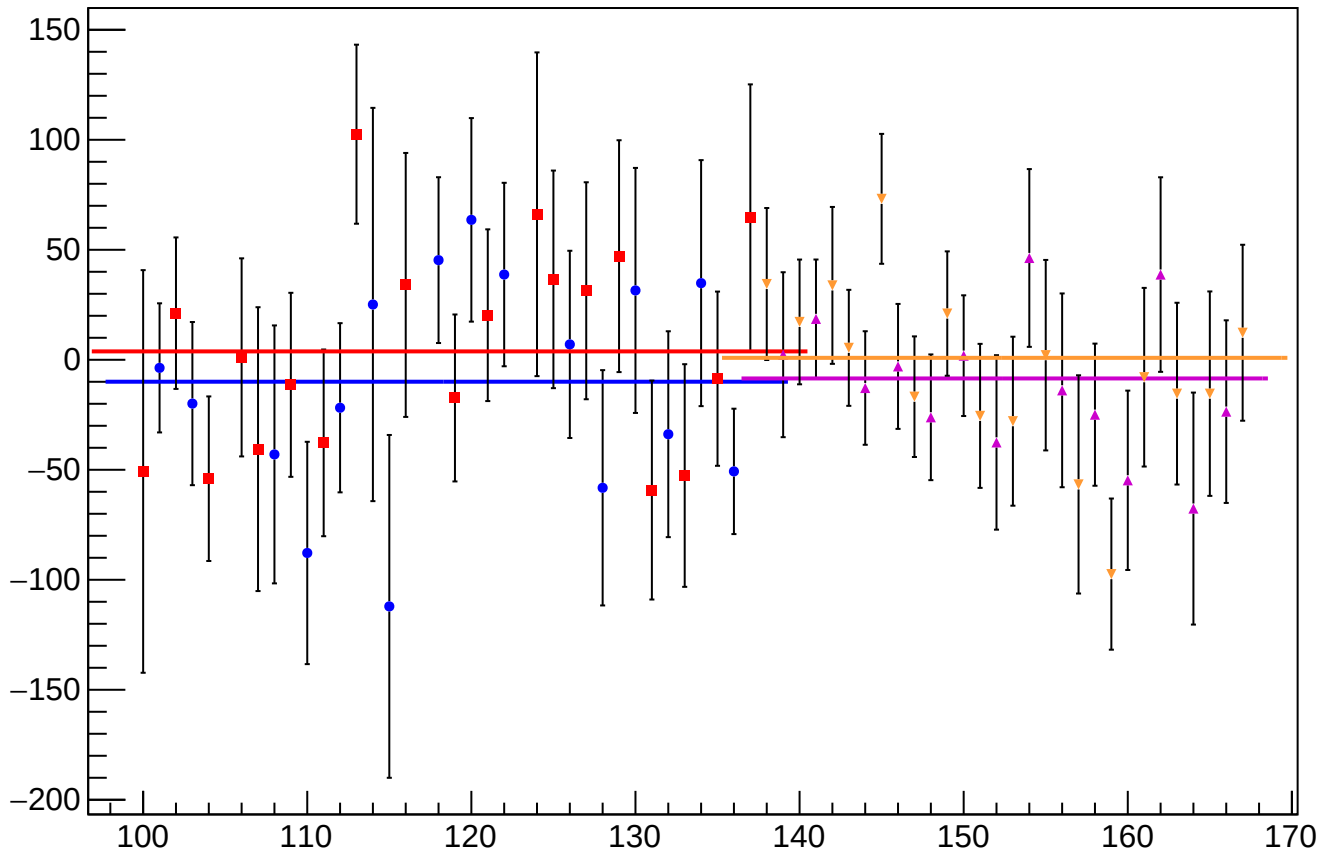
Left In: 4580.667+/-1.113 χ^2/NDF : 5391736.8/13

+ sign 5622.769+/-0.995 χ^2/NDF : 6135337.8/31

All: 5251.158+/-0.678 χ^2/NDF : 14406388.2/6

- sign 4930.115+/-0.925 χ^2/NDF : 8011184.0/32

diff_bpm12X_mean vs Slug



Right In: -9.969 ± 10.836 χ^2/NDF : 15.3/15

Left Out: 0.884 ± 8.539 χ^2/NDF : 20.2/15

Right Out: 3.814 ± 10.636 χ^2/NDF : 17.3/18

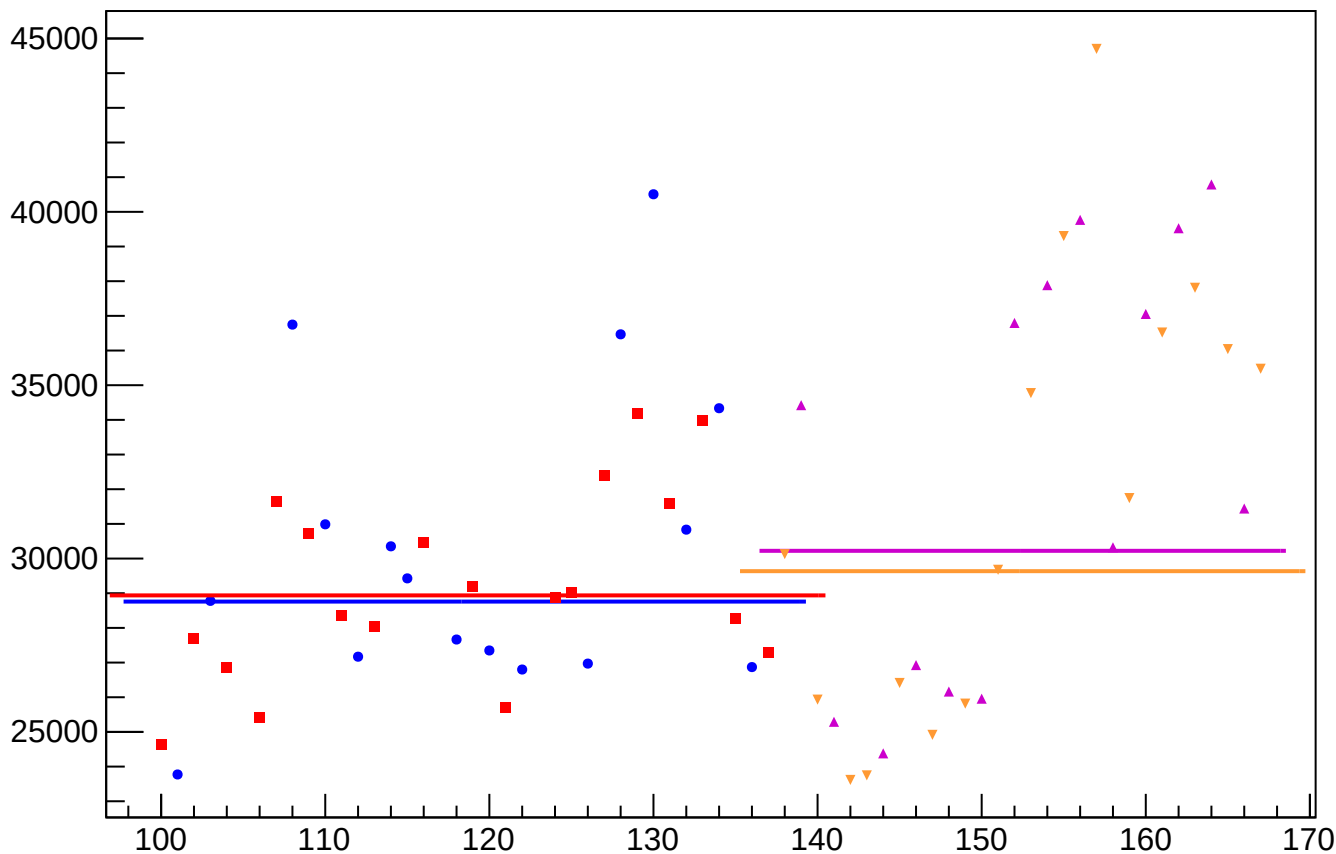
Left In: -8.485 ± 9.070 χ^2/NDF : 8.1/13

+ sign -3.274 ± 6.707 χ^2/NDF : 36.1/31

All: -3.290 ± 4.810 χ^2/NDF : 62.4/64

- sign -3.307 ± 6.902 χ^2/NDF : 26.2/32

diff_bpm12X_rms vs Slug



Right In: 28759.090 $\pm$ 7.662 χ^2 /NDF: 277639.9/15

Left Out: 29636.413 $\pm$ 6.038 χ^2 /NDF:854919.3/15

Right Out: 28937.633 $\pm$ 7.521 χ^2 /NDF: 106266.0/18

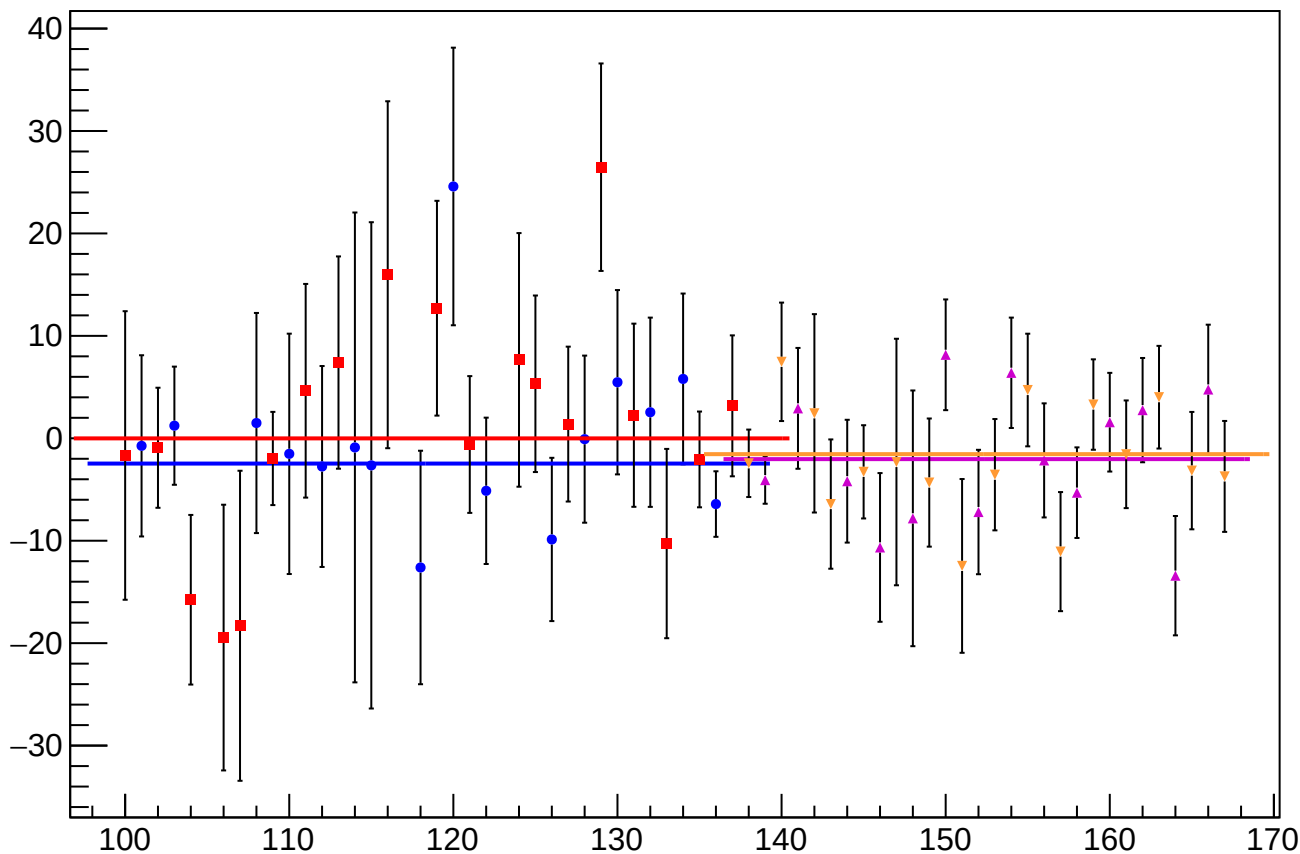
Left In: 30223.044 $\pm$ 6.414 χ^2 /NDF:757601.8/13

+ sign 29300.337 $\pm$ 4.742 χ^2 /NDF: 1140646.8/31

All: 29485.625 $\pm$ 3.401 χ^2 /NDF: 2024569.1/6

- sign 29681.830 $\pm$ 4.880 χ^2 /NDF: 880779.4/32

diff_bpm12Y_mean vs Slug



Right In: -2.467 ± 1.916 χ^2/NDF : 10.0/15

Left Out: -1.548 ± 1.360 χ^2/NDF : 12.1/15

Right Out: -0.009 ± 1.828 χ^2/NDF : 20.0/18

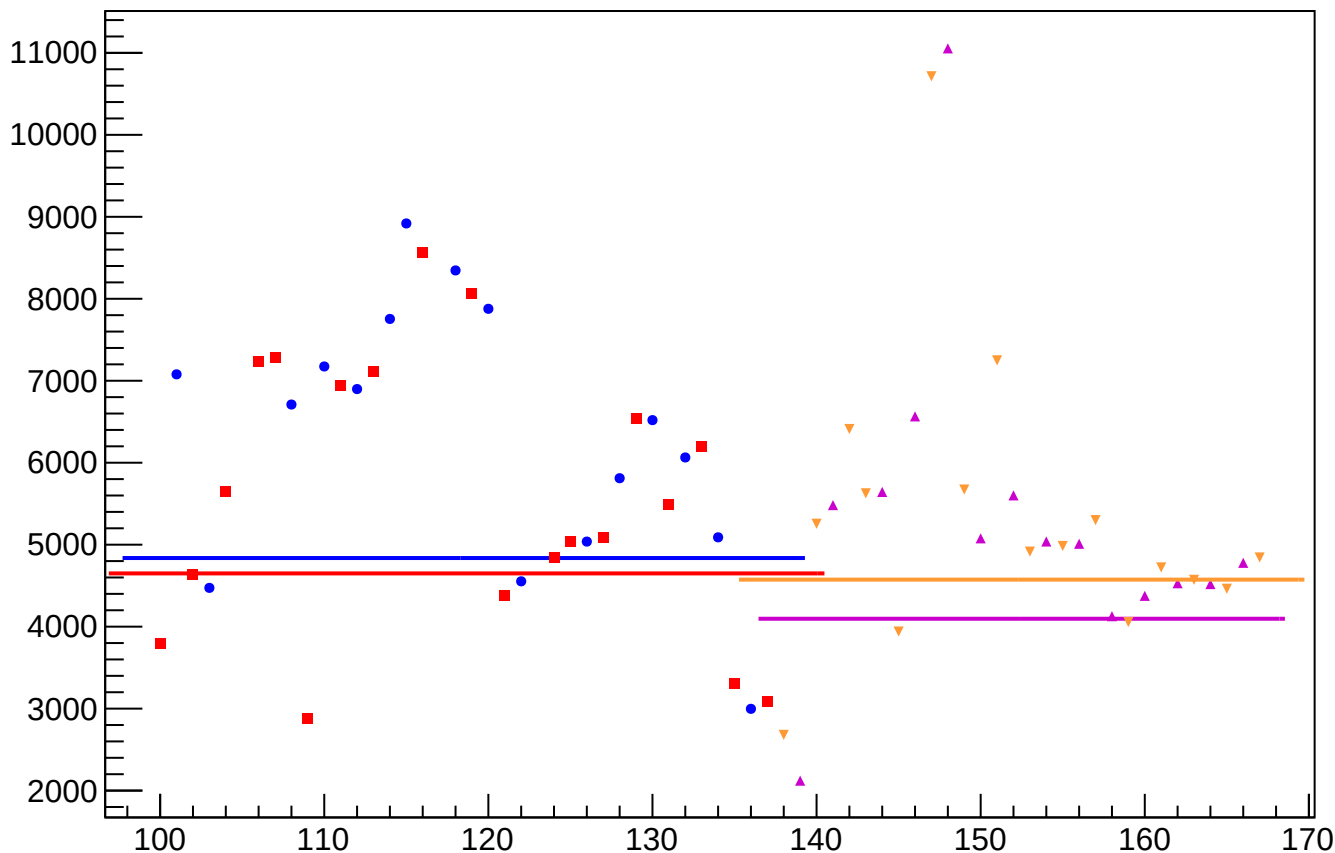
Left In: -2.034 ± 1.308 χ^2/NDF : 16.9/13

+ sign -1.856 ± 1.109 χ^2/NDF : 22.3/31

All: -1.592 ± 0.768 χ^2/NDF : 60.1/64

- sign -1.349 ± 1.064 χ^2/NDF : 37.7/32

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF : 1547766.9/15

Left Out: 4573.837+/-0.961 χ^2/NDF : 1722713.4/15

Right Out: 4649.613+/-1.293 χ^2/NDF : 1434548.7/18

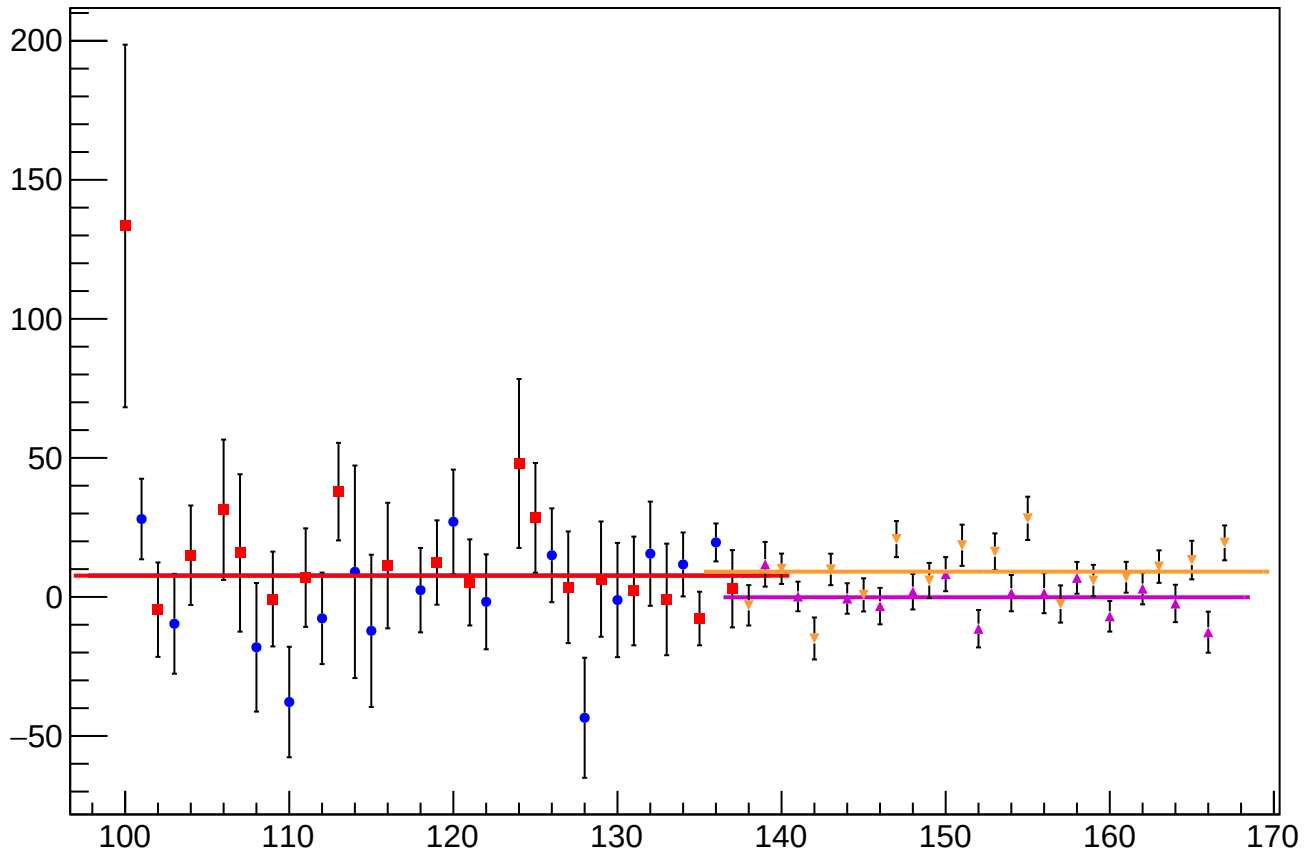
Left In: 4096.505+/-0.925 χ^2/NDF : 2919400.2/13

+ sign 4662.045+/-0.784 χ^2/NDF : 3295615.4/31

All: 4465.018+/-0.543 χ^2/NDF : 7891963.8/64

- sign 4283.708+/-0.752 χ^2/NDF : 4475062.0/32

diff_bpm16X_mean vs Slug



Right In: 7.699 ± 3.820 χ^2/NDF : 21.6/15

Left Out: 9.093 ± 1.586 χ^2/NDF : 34.0/15

Right Out: 7.650 ± 4.099 χ^2/NDF : 14.6/18

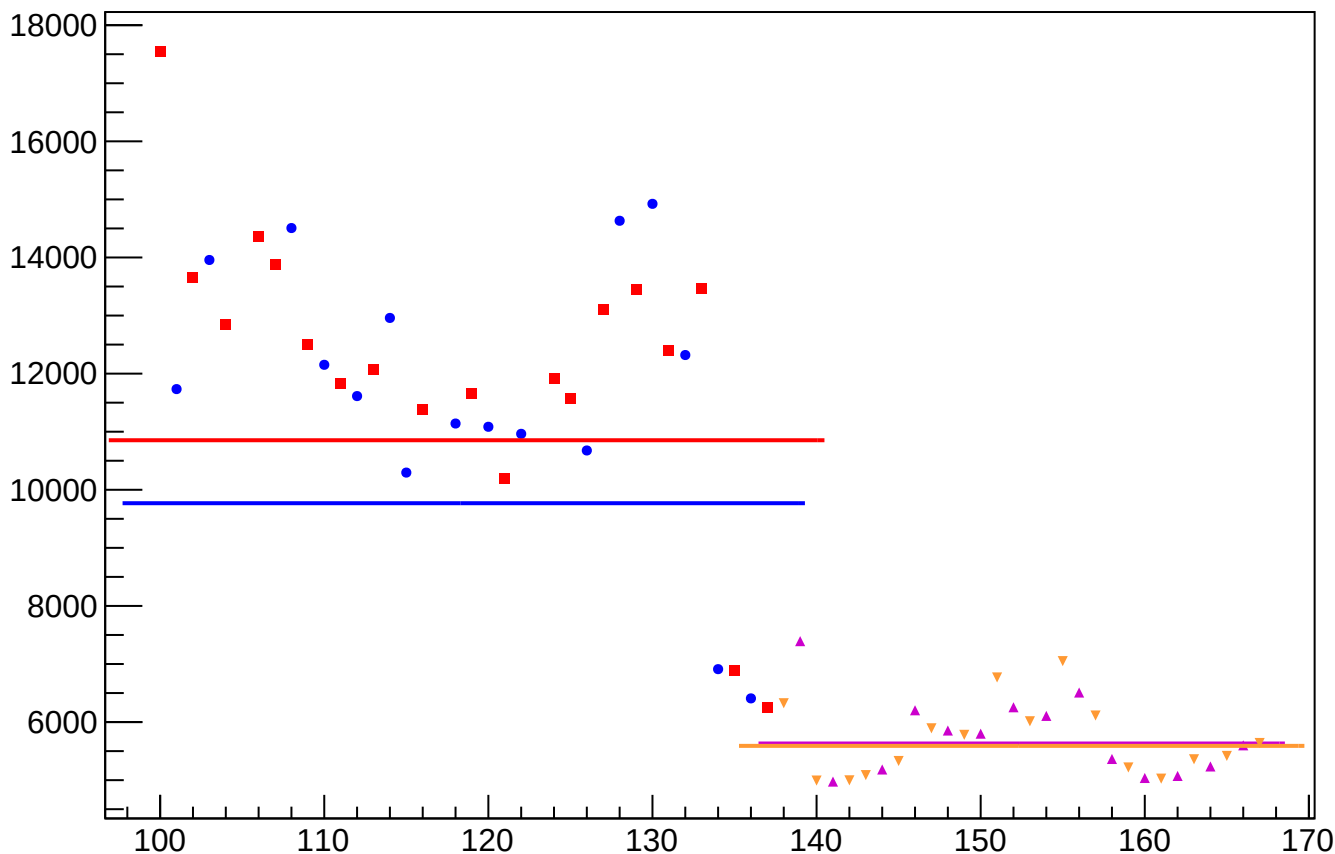
Left In: -0.128 ± 1.671 χ^2/NDF : 13.6/13

+ sign 8.888 ± 1.465 χ^2/NDF : 55.7/31

All: 5.149 ± 1.064 χ^2/NDF : 100.8/64

- sign 0.980 ± 1.547 χ^2/NDF : 31.3/32

diff_bpm16X_rms vs Slug



Right In: 9768.772 $\pm$ 2.701 χ^2 /NDF: 1213694.6/15

Left Out: 5590.495 $\pm$ 1.122 χ^2 /NDF: 257503.2/15

Right Out: 10852.989 $\pm$ 2.899 χ^2 /NDF: 874500.2/18

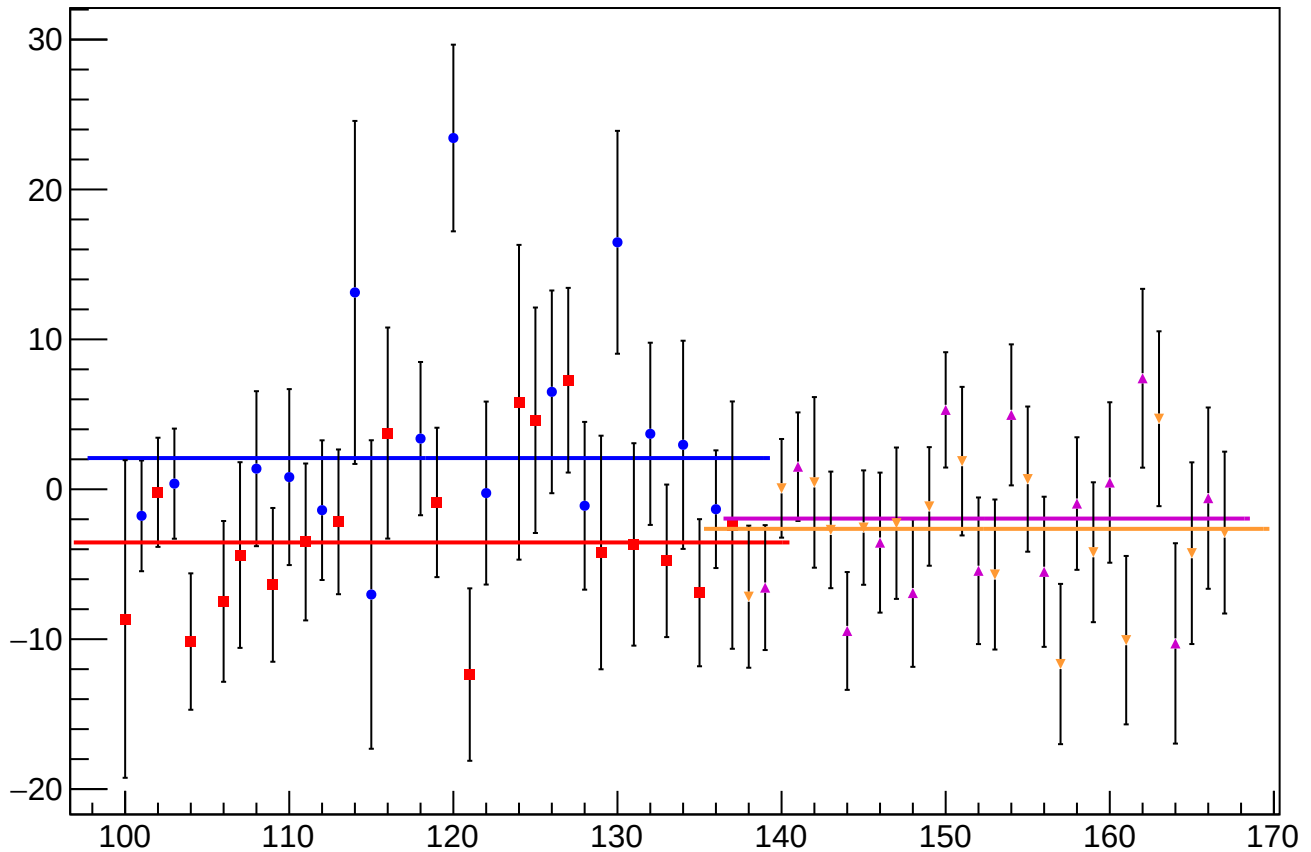
Left In: 5631.128 $\pm$ 1.181 χ^2 /NDF: 270457.5/13

+ sign 6205.030 $\pm$ 1.036 χ^2 /NDF: 3512273.2/31

All: 6285.327 $\pm$ 0.752 χ^2 /NDF: 7453159.6/64

- sign 6374.880 $\pm$ 1.094 χ^2 /NDF: 3928175.8/32

diff_bpm16Y_mean vs Slug



Right In: 2.082 ± 1.345 χ^2/NDF : 21.0/15

Left Out: -2.640 ± 1.168 χ^2/NDF : 10.1/15

Right Out: -3.546 ± 1.304 χ^2/NDF : 13.4/18

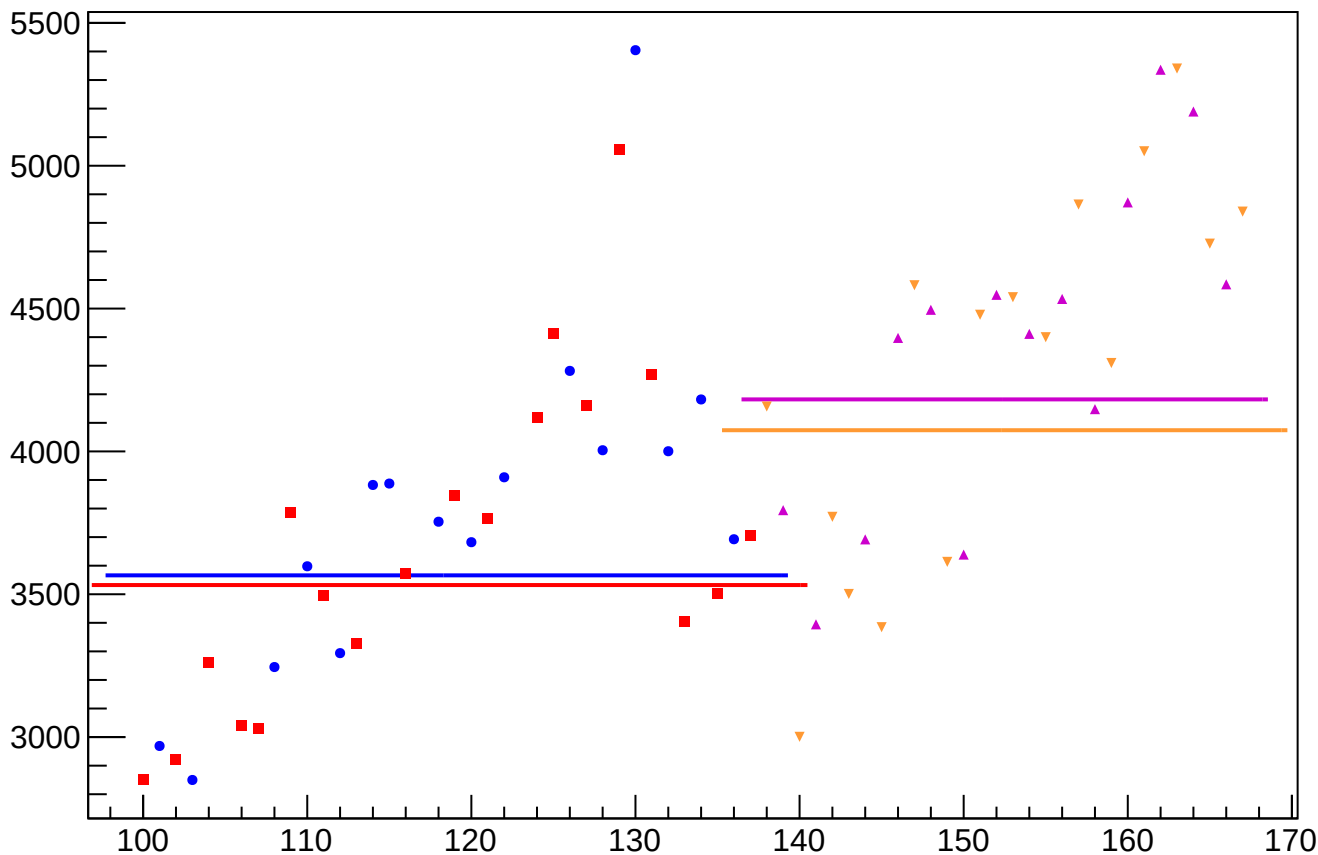
Left In: -1.954 ± 1.246 χ^2/NDF : 18.0/13

+ sign -0.610 ± 0.882 χ^2/NDF : 38.0/31

All: -1.640 ± 0.630 χ^2/NDF : 73.0/64

- sign -2.714 ± 0.901 χ^2/NDF : 32.2/32

diff_bpm16Y_rms vs Slug



Right In: 3566.150 ± 0.951 χ^2/NDF : 341105.5/15

Left Out: 4074.182 ± 0.826 χ^2/NDF : 681645.4/15

Right Out: 3532.189 ± 0.922 χ^2/NDF : 278693.0/18

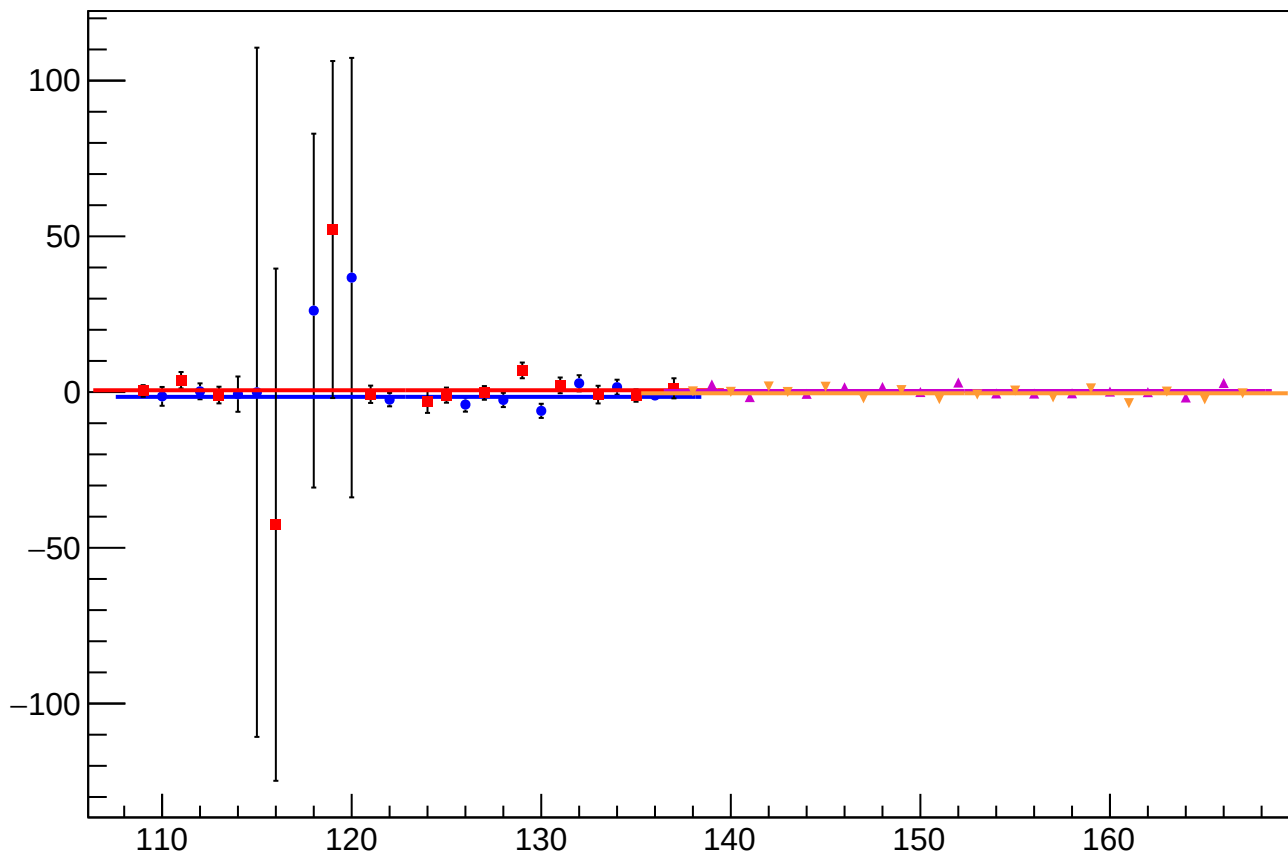
Left In: 4182.073 ± 0.881 χ^2/NDF : 383654.4/13

+ sign 3855.748 ± 0.624 χ^2/NDF : 1185331.7/31

All: 3863.682 ± 0.446 χ^2/NDF : 2107651.4/64

- sign 3871.958 ± 0.637 χ^2/NDF : 921989.1/32

diff_bpm1p02bX_mean vs Slug



Right In: -1.536 ± 0.733 χ^2/NDF : 11.1/12

Left Out: -0.385 ± 0.288 χ^2/NDF : 26.1/15

Right Out: 0.588 ± 0.717 χ^2/NDF : 12.7/13

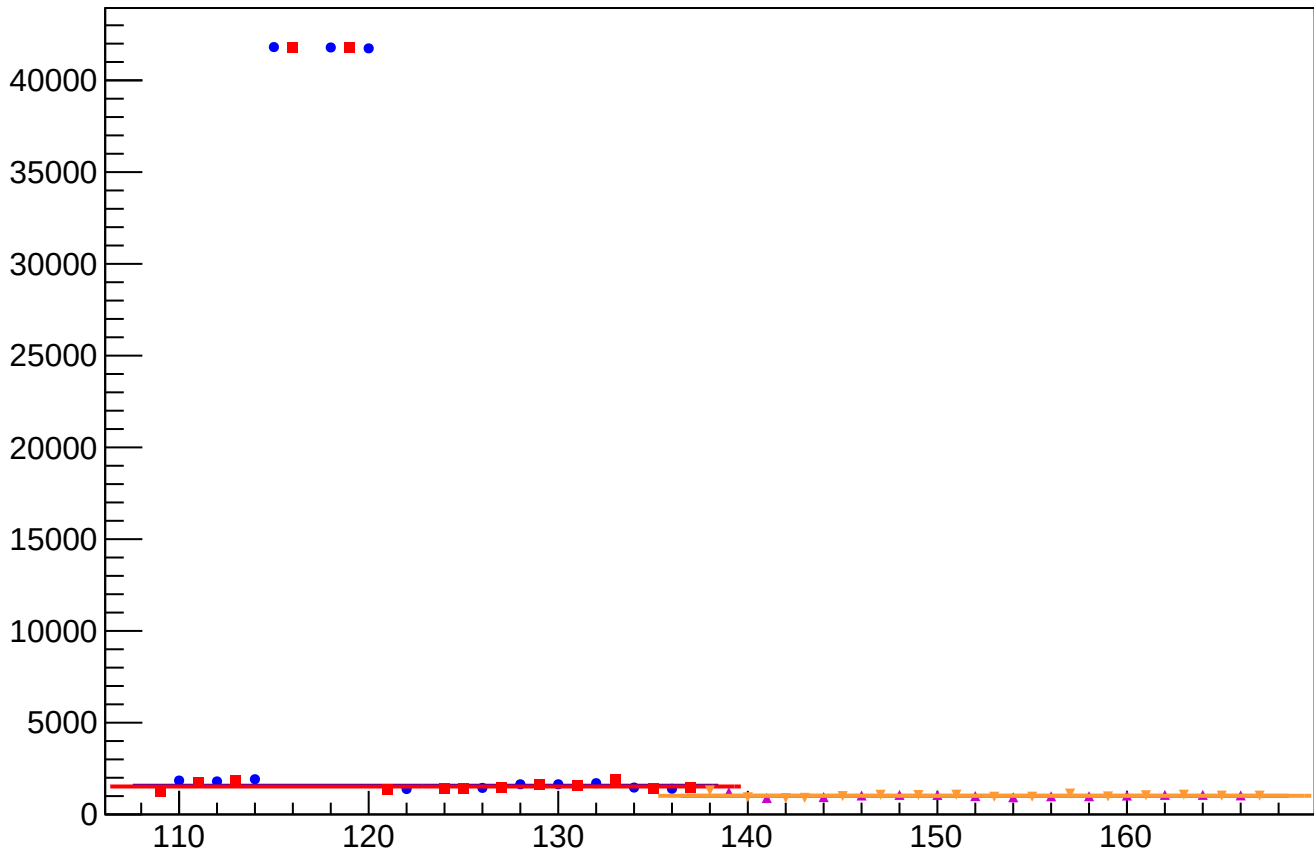
Left In: 0.346 ± 0.300 χ^2/NDF : 23.9/13

+ sign -0.538 ± 0.268 χ^2/NDF : 39.3/28

All: -0.093 ± 0.192 χ^2/NDF : 81.7/56

- sign 0.382 ± 0.277 χ^2/NDF : 36.6/27

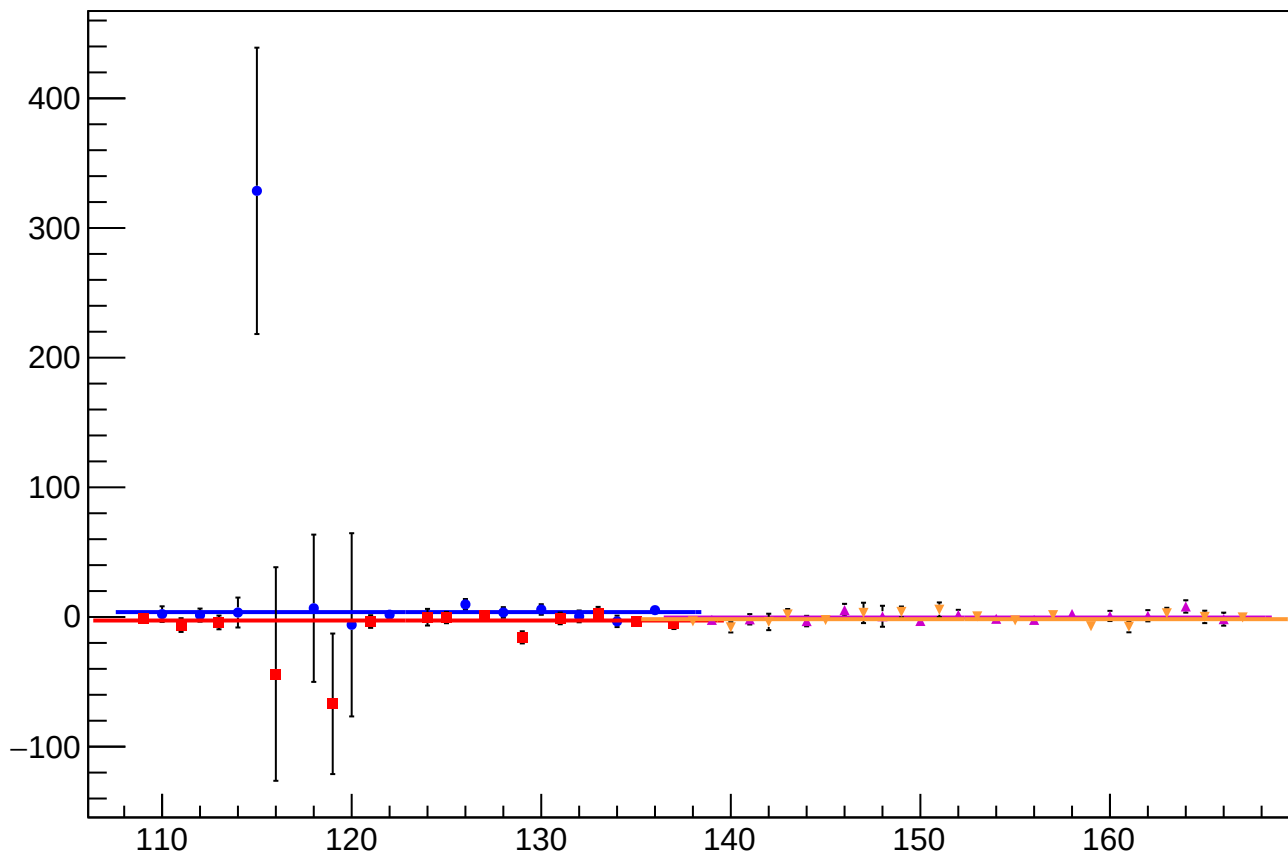
diff_bpm1p02bX_rms vs Slug



Right In: 1564.307 $\pm$ 0.518 χ^2 /NDF: 2016990.6/12
 Left Out: 1016.242 $\pm$ 0.203 χ^2 /NDF: 177469.1/15
 Right Out: 1523.678 $\pm$ 0.507 χ^2 /NDF: 1739658.0/13
 Left In: 1014.043 $\pm$ 0.212 χ^2 /NDF: 115110.5/13

+ sign 1089.405 $\pm$ 0.189 χ^2 /NDF: 3164070.1/28
 All: 1089.639 $\pm$ 0.136 χ^2 /NDF: 5878671.2/56
 - sign 1089.889 $\pm$ 0.196 χ^2 /NDF: 2714597.9/27

diff_bpm1p02bY_mean vs Slug



Right In: 3.777 ± 1.248 χ^2/NDF : 15.2/12

Left Out: -1.683 ± 0.963 χ^2/NDF : 14.2/15

Right Out: -2.709 ± 1.211 χ^2/NDF : 13.6/13

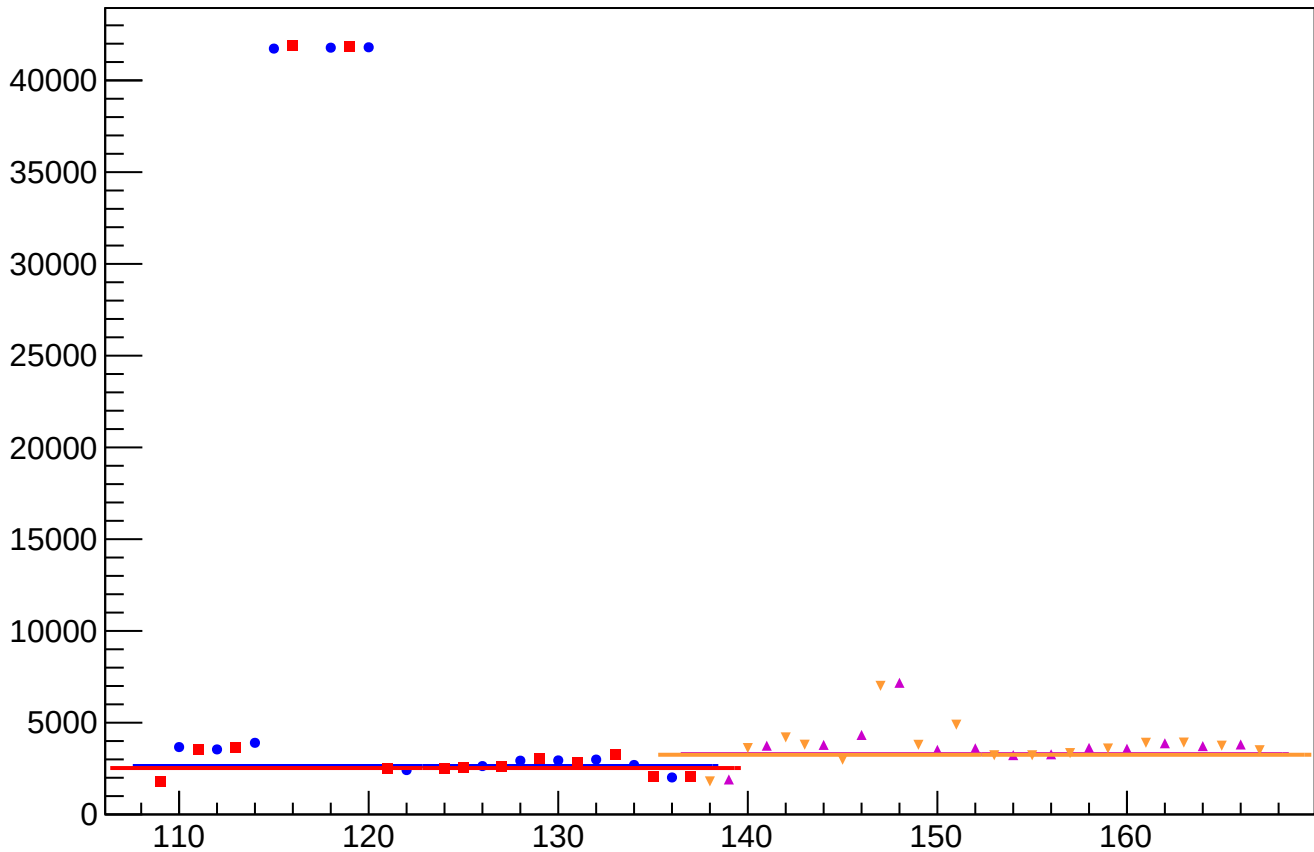
Left In: -0.421 ± 1.015 χ^2/NDF : 7.8/13

+ sign 0.353 ± 0.762 χ^2/NDF : 41.3/28

All: -0.489 ± 0.544 χ^2/NDF : 67.4/56

- sign -1.365 ± 0.778 χ^2/NDF : 23.6/27

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF : 2173395.1/12

Left Out: 3253.678+/-0.681 χ^2/NDF : 1866727.6/15

Right Out: 2529.018+/-0.856 χ^2/NDF : 1949928.1/13

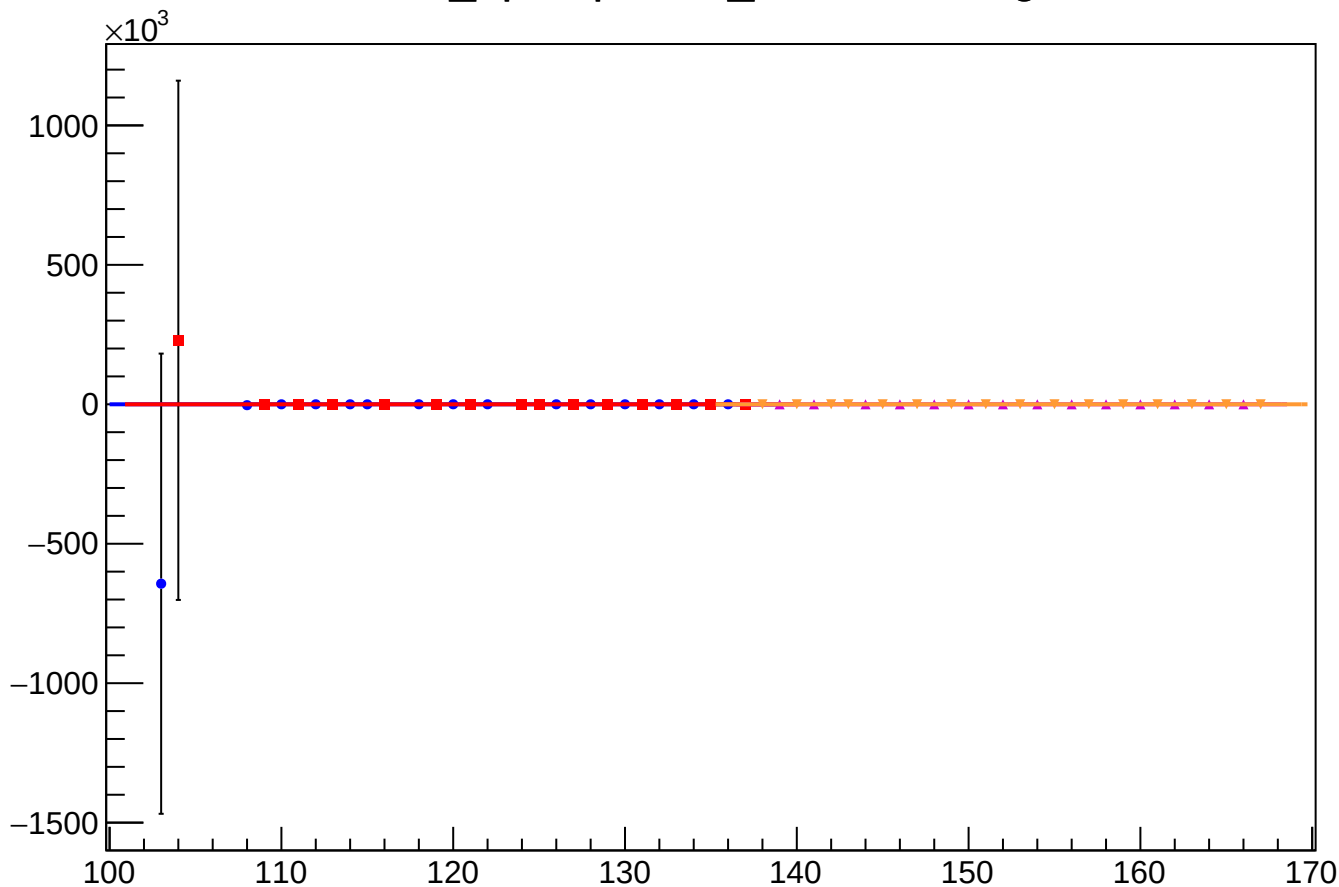
Left In: 3289.441+/-0.718 χ^2/NDF : 1590120.3/13

+ sign 3024.755+/-0.539 χ^2/NDF : 4343232.9/28

All: 3000.712+/-0.385 χ^2/NDF : 8350611.4/56

- sign 2975.686+/-0.550 χ^2/NDF : 4003318.9/27

diff_bpm1p03aX_mean vs Slug



Right In: -1.215 ± 1.125 χ^2/NDF : 18.8/14

Left Out: -2.302 ± 0.448 χ^2/NDF : 28.3/15

Right Out: -2.670 ± 1.211 χ^2/NDF : 14.4/14

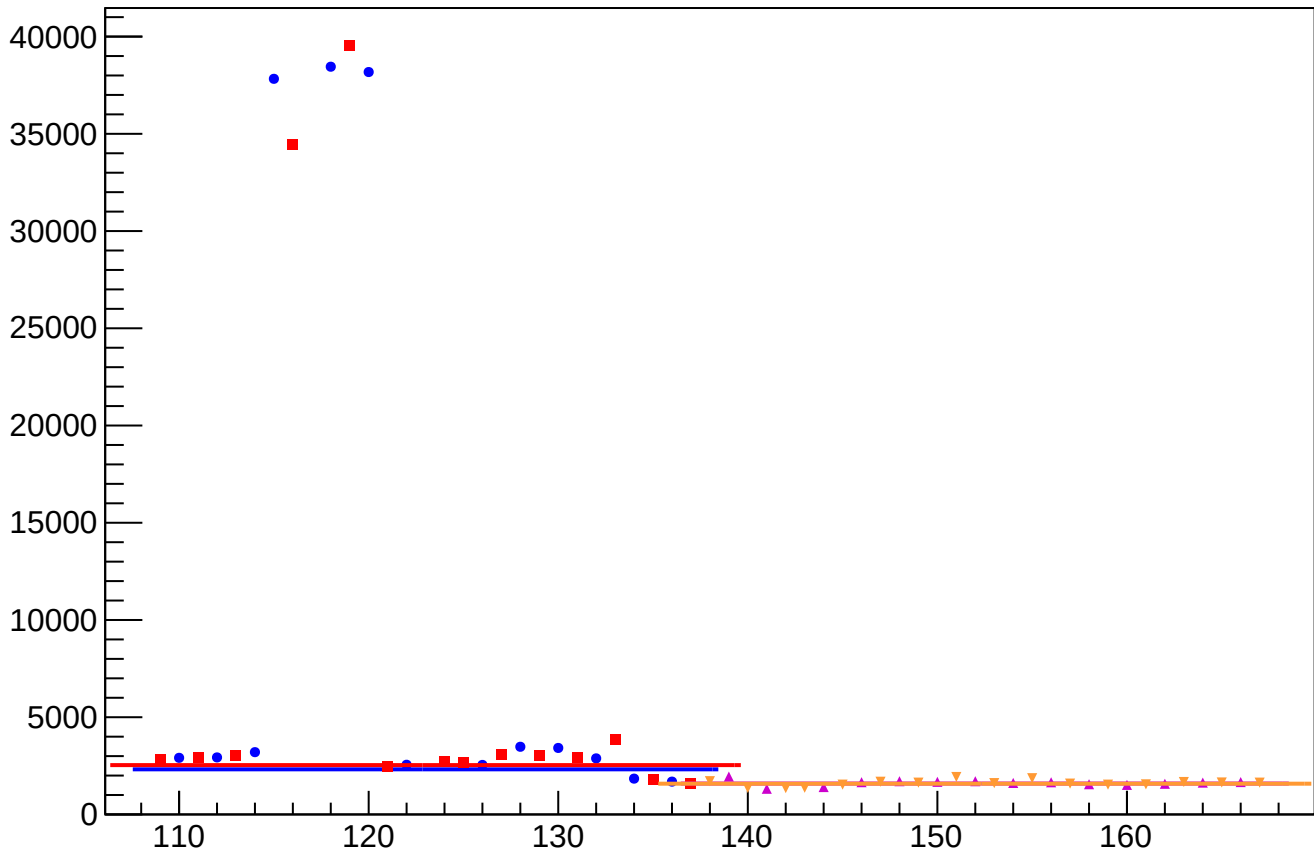
Left In: 0.056 ± 0.471 χ^2/NDF : 16.0/13

+ sign -2.153 ± 0.416 χ^2/NDF : 47.9/30

All: -1.277 ± 0.302 χ^2/NDF : 92.1/59

- sign -0.302 ± 0.439 χ^2/NDF : 34.9/28

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446 $\pm$ 0.796 χ^2 /NDF: 2461445.1/12

Left Out: 1581.999 $\pm$ 0.317 χ^2 /NDF: 227367.9/15

Right Out: 2537.615 $\pm$ 0.856 χ^2 /NDF: 2038153.2/13

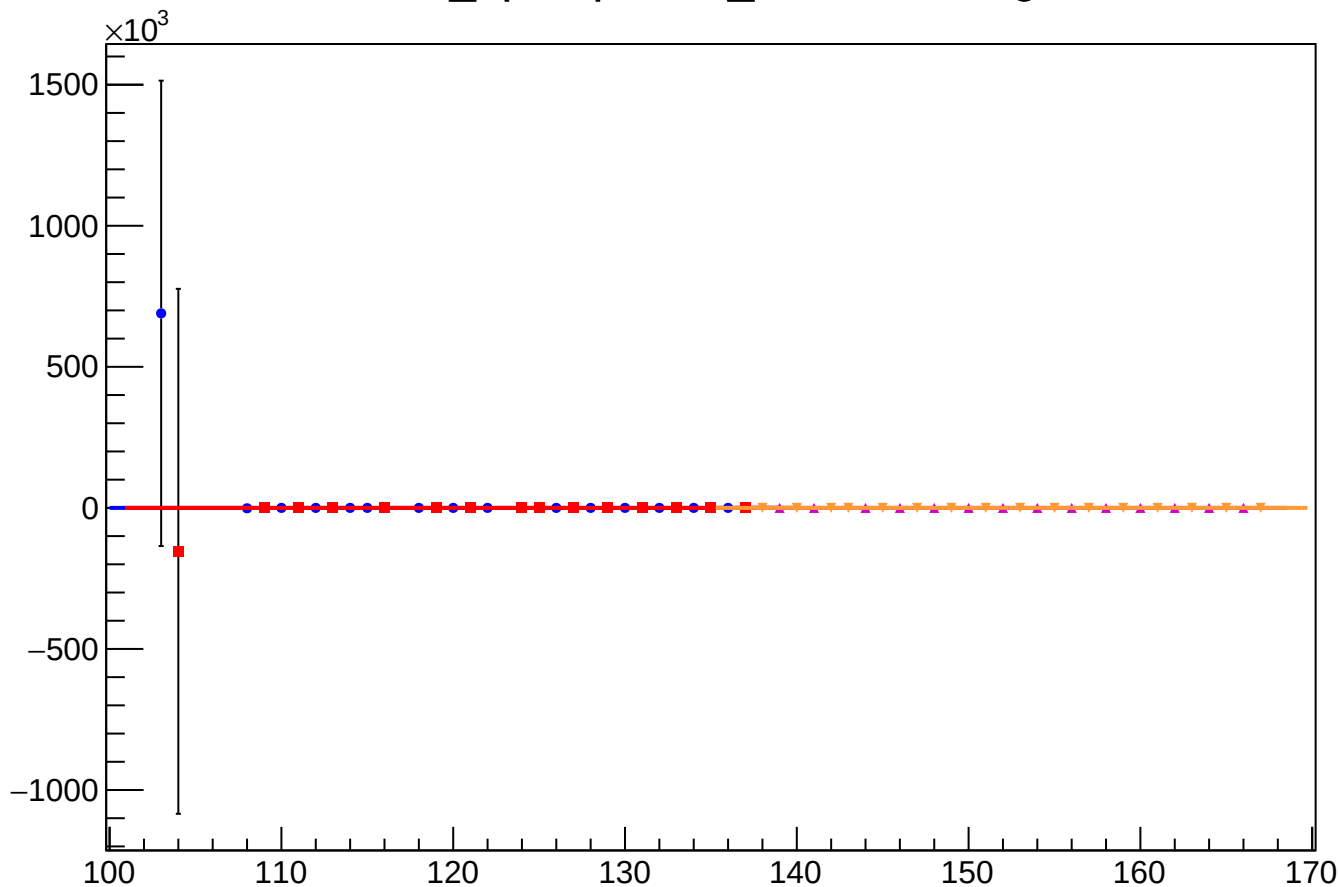
Left In: 1589.876 $\pm$ 0.333 χ^2 /NDF: 194324.2/13

+ sign 1683.123 $\pm$ 0.294 χ^2 /NDF: 3432161.9/28

All: 1697.943 $\pm$ 0.214 χ^2 /NDF: 6733742.5/56

- sign 1714.417 $\pm$ 0.310 χ^2 /NDF: 3296231.3/27

diff_bpm1p03aY_mean vs Slug



Right In: 1.708 ± 1.076 χ^2/NDF : 5.0/14

Left Out: -0.777 ± 0.620 χ^2/NDF : 17.8/15

Right Out: -1.893 ± 1.052 χ^2/NDF : 15.3/14

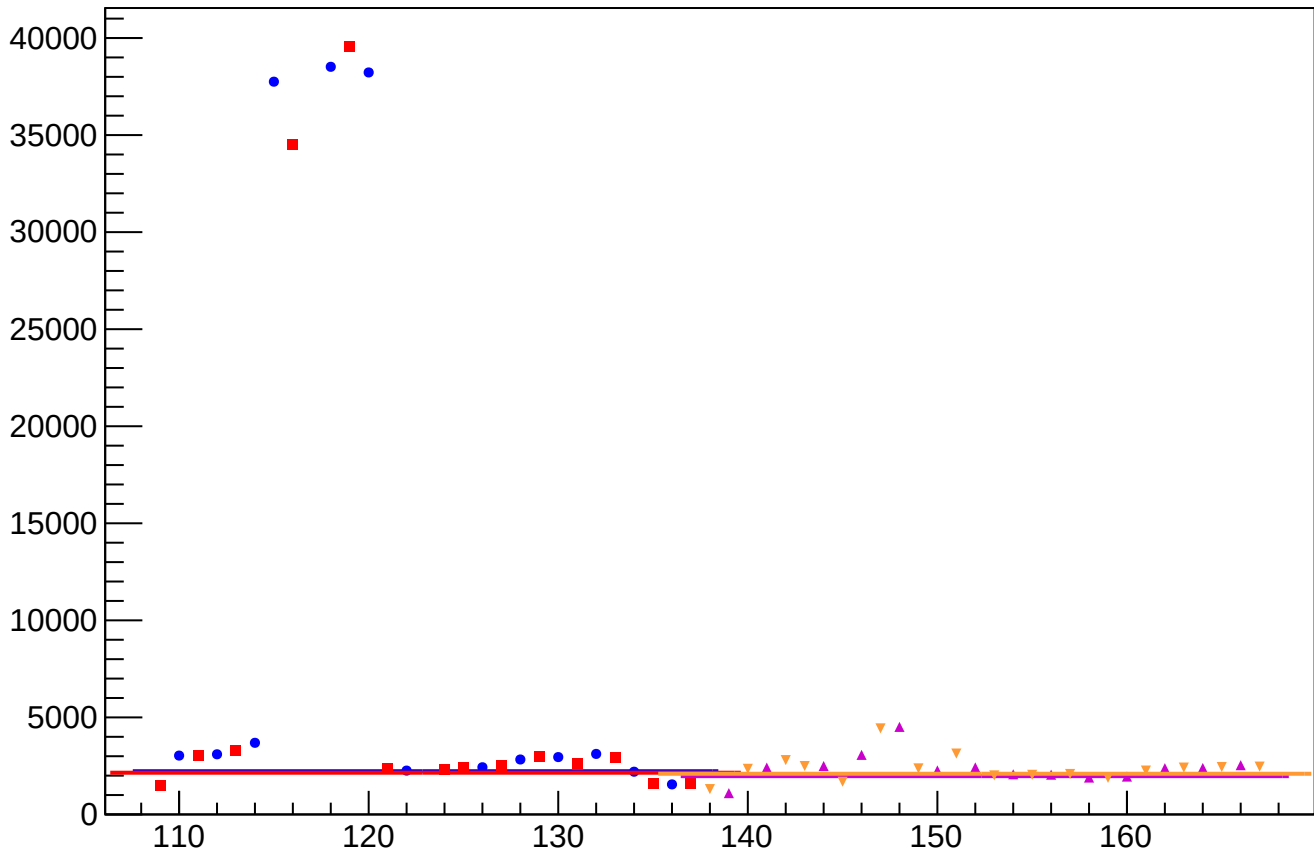
Left In: 0.235 ± 0.617 χ^2/NDF : 9.3/13

+ sign -0.158 ± 0.537 χ^2/NDF : 26.8/30

All: -0.235 ± 0.378 χ^2/NDF : 54.5/59

- sign -0.310 ± 0.532 χ^2/NDF : 27.6/28

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF : 2522286.5/12

Left Out: 2096.741+/-0.438 χ^2/NDF : 1440310.0/15

Right Out: 2150.841+/-0.744 χ^2/NDF : 2231322.0/13

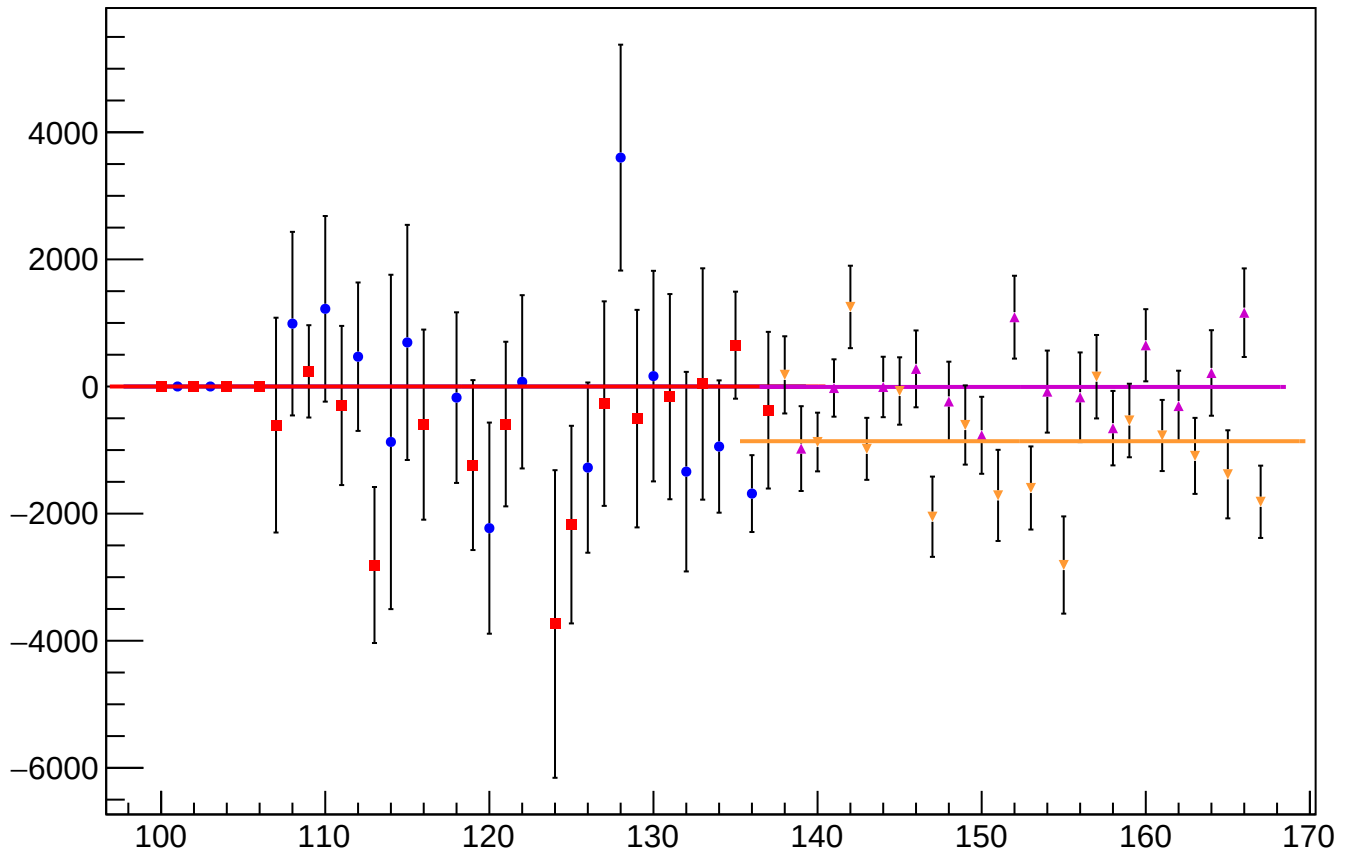
Left In: 1973.590+/-0.437 χ^2/NDF : 2155036.3/13

+ sign 2129.148+/-0.380 χ^2/NDF : 3984577.1/28

All: 2073.614+/-0.267 χ^2/NDF : 8455599.7/56

- sign 2019.019+/-0.376 χ^2/NDF : 4428605.7/27

diff_cav4bX_mean vs Slug



Right In: 0.255 $\pm$ 0.356 χ^2 /NDF: 17.7/15

Left Out: -860.551 $\pm$ 148.932 χ^2 /NDF:35.0/15

Right Out: 0.096 $\pm$ 0.328 χ^2 /NDF: 15.4/18

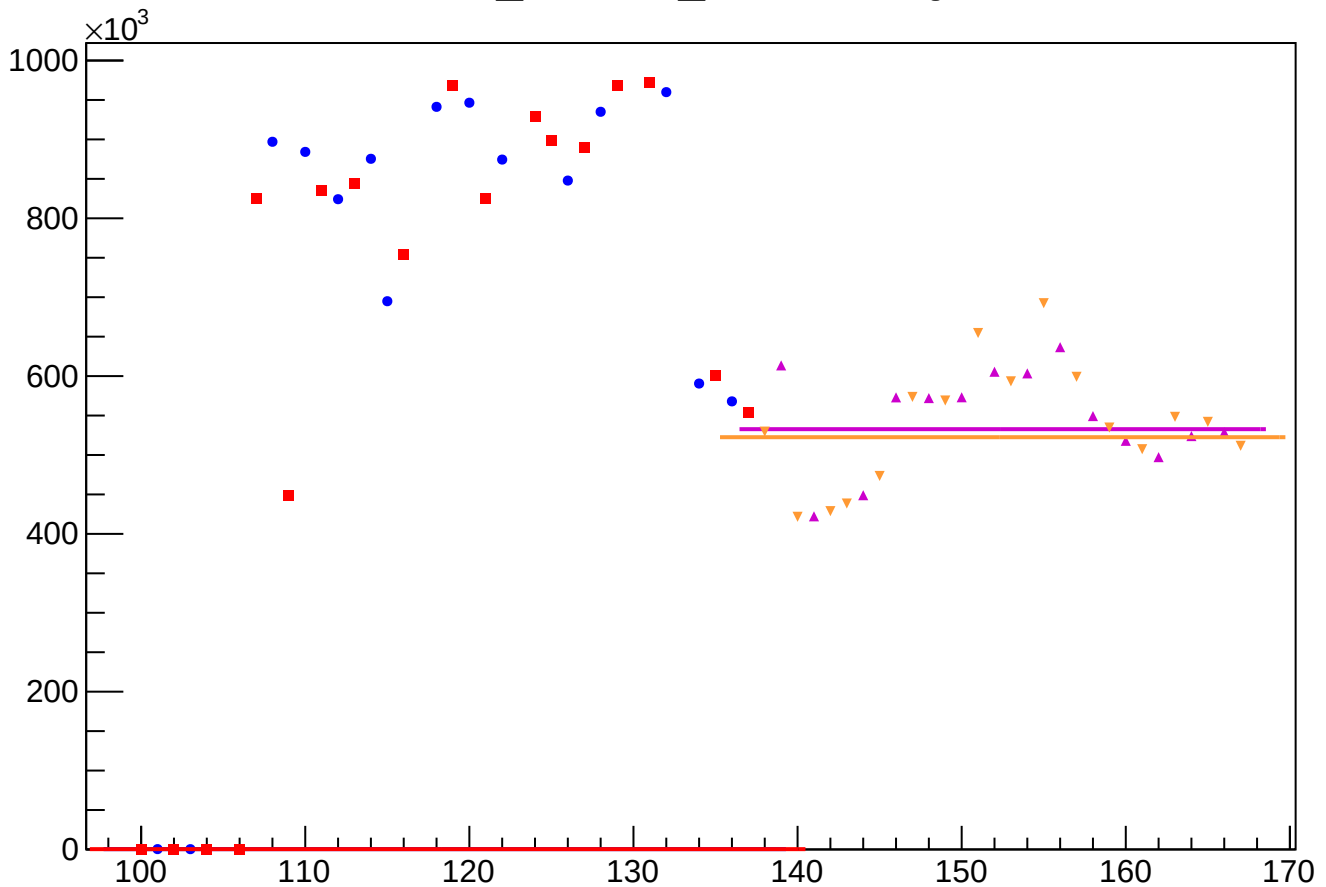
Left In: -6.797 $\pm$ 158.332 χ^2 /NDF:12.7/13

+ sign 0.250 $\pm$ 0.356 χ^2 /NDF: 86.1/31

All: 0.167 $\pm$ 0.241 χ^2 /NDF: 114.4/64

- sign 0.096 $\pm$ 0.328 χ^2 /NDF: 28.1/32

diff_cav4bX_rms vs Slug



Right In: 398.881 $\pm$ 0.251 χ^2 /NDF: 8491830.9/14

Left Out: 522545.124 $\pm$ 105.311 χ^2 /NDF: 463820.9/15

Right Out: 393.240 $\pm$ 0.232 χ^2 /NDF: 7648578.2/17

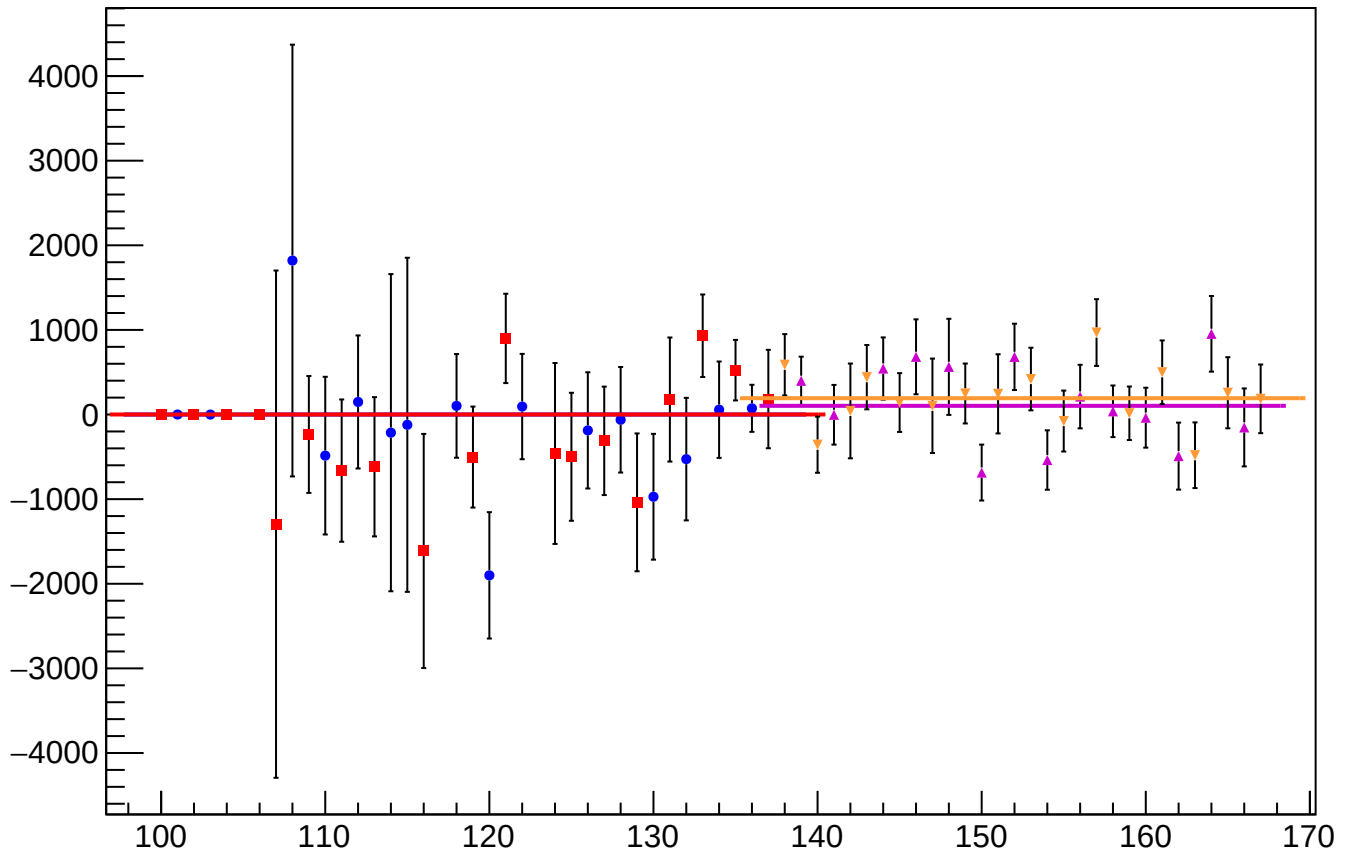
Left In: 532734.608 $\pm$ 111.958 χ^2 /NDF: 340896.1/13

+ sign 401.859 $\pm$ 0.251 χ^2 /NDF: 33538654.8/30

All: 398.432 $\pm$ 0.170 χ^2 /NDF: 64136971.1/62

- sign 395.521 $\pm$ 0.232 χ^2 /NDF: 30597972.9/31

diff_cav4bY_mean vs Slug



Right In: -0.020 ± 0.347 χ^2/NDF : 10.5/15

Left Out: 192.942 ± 96.343 χ^2/NDF : 13.3/15

Right Out: 0.599 ± 0.324 χ^2/NDF : 15.0/18

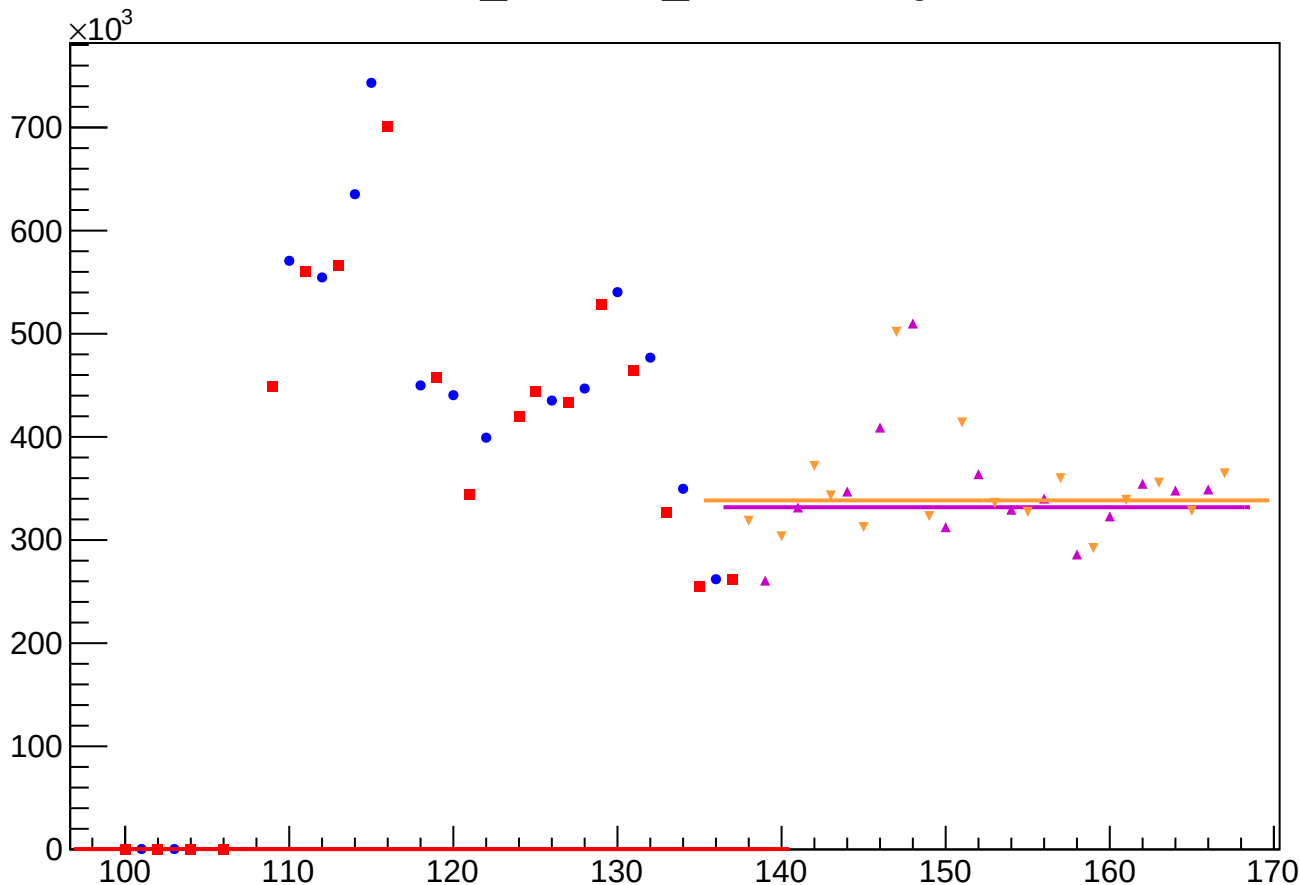
Left In: 102.964 ± 99.190 χ^2/NDF : 22.6/13

+ sign -0.018 ± 0.347 χ^2/NDF : 27.8/31

All: 0.312 ± 0.237 χ^2/NDF : 68.2/64

- sign 0.600 ± 0.324 χ^2/NDF : 38.7/32

diff_cav4bY_rms vs Slug



Right In: 390.276 $\pm$ 0.245 χ^2 /NDF: 11132240.7/14

Left Out: 338422.382 $\pm$ 68.125 χ^2 /NDF:337860.8/15

Right Out: 387.984 $\pm$ 0.229 χ^2 /NDF: 11074302.3/17

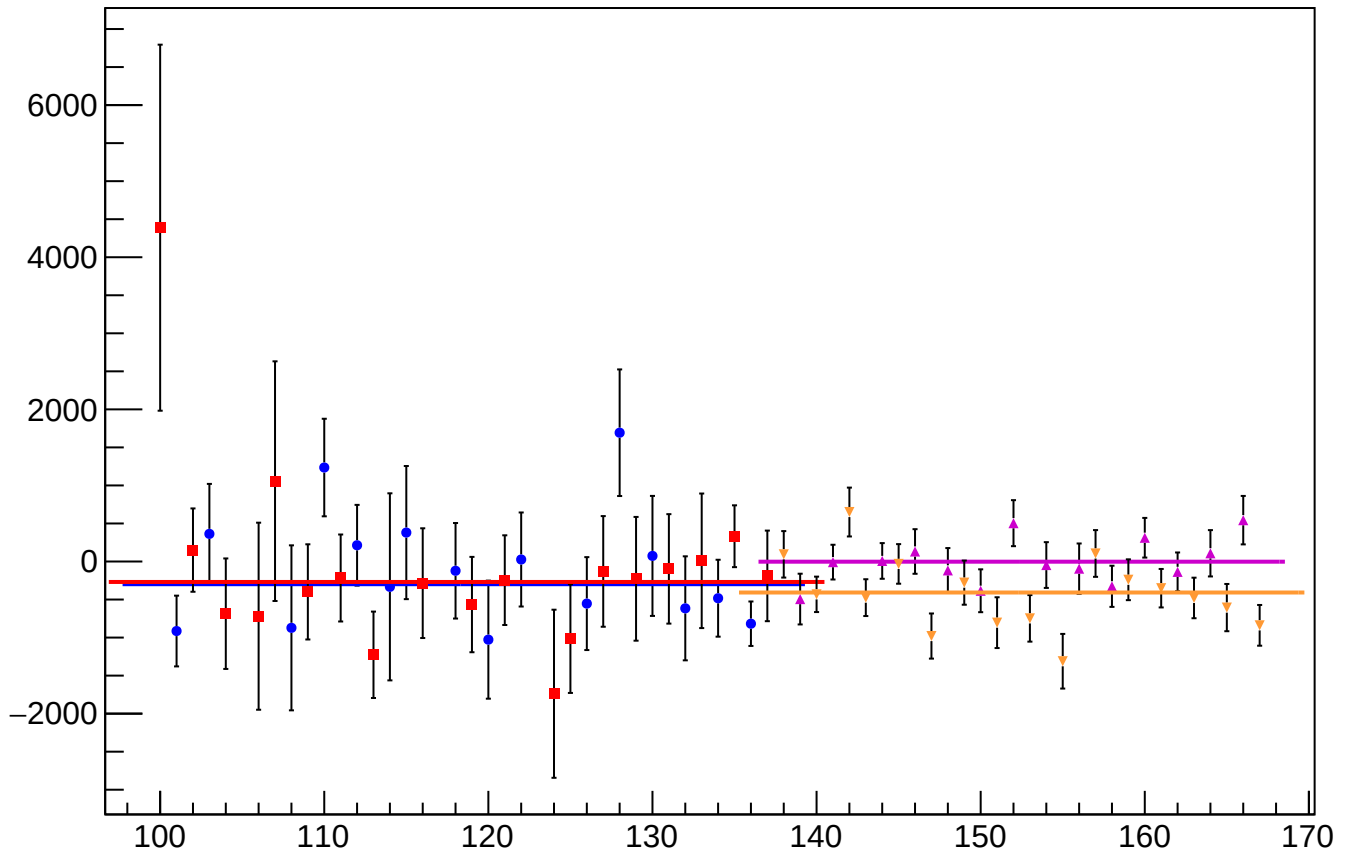
Left In: 331807.141 $\pm$ 70.143 χ^2 /NDF:465088.4/13

+ sign 394.664 $\pm$ 0.245 χ^2 /NDF: 36090816.2/30

All: 392.980 $\pm$ 0.167 χ^2 /NDF: 69954584.2/62

- sign 391.515 $\pm$ 0.229 χ^2 /NDF: 33863680.1/31

diff_cav4cX_mean vs Slug



Right In: -298.263 ± 147.367 χ^2/NDF : 21.2/15

Left Out: -407.531 ± 70.737 χ^2/NDF : 34.9/15

Right Out: -268.892 ± 156.582 χ^2/NDF : 13.9/18

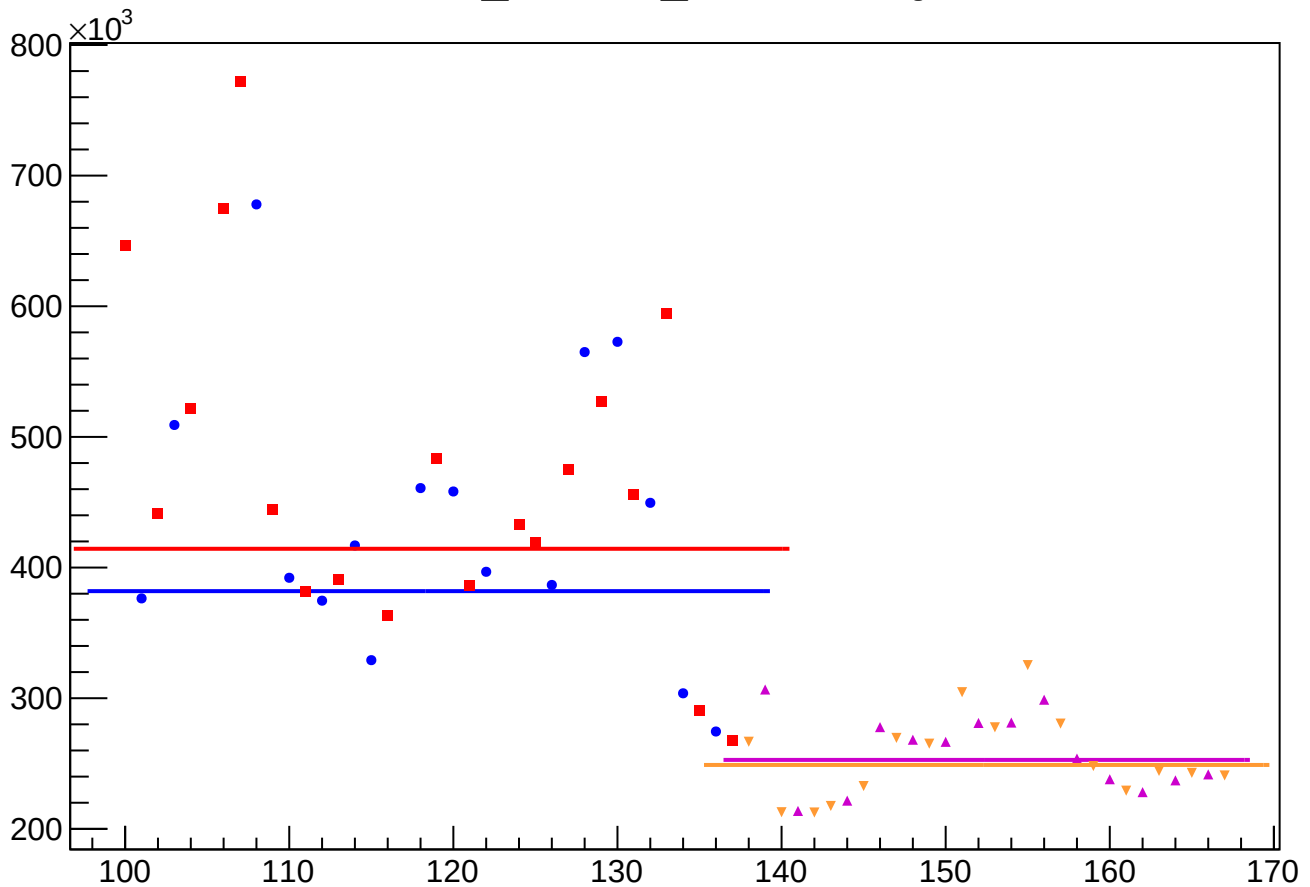
Left In: -2.413 ± 74.999 χ^2/NDF : 13.5/13

+ sign -387.069 ± 63.771 χ^2/NDF : 56.5/31

All: -229.459 ± 46.401 χ^2/NDF : 99.3/64

- sign -52.140 ± 67.641 χ^2/NDF : 29.7/32

diff_cav4cX_rms vs Slug



Right In: 381960.471 $\pm$ 104.223 χ^2 /NDF: 836441.6/15

Left Out: 248921.238 $\pm$ 50.018 χ^2 /NDF:338462.9/15

Right Out: 414378.043 $\pm$ 110.748 χ^2 /NDF: 760082.5/18

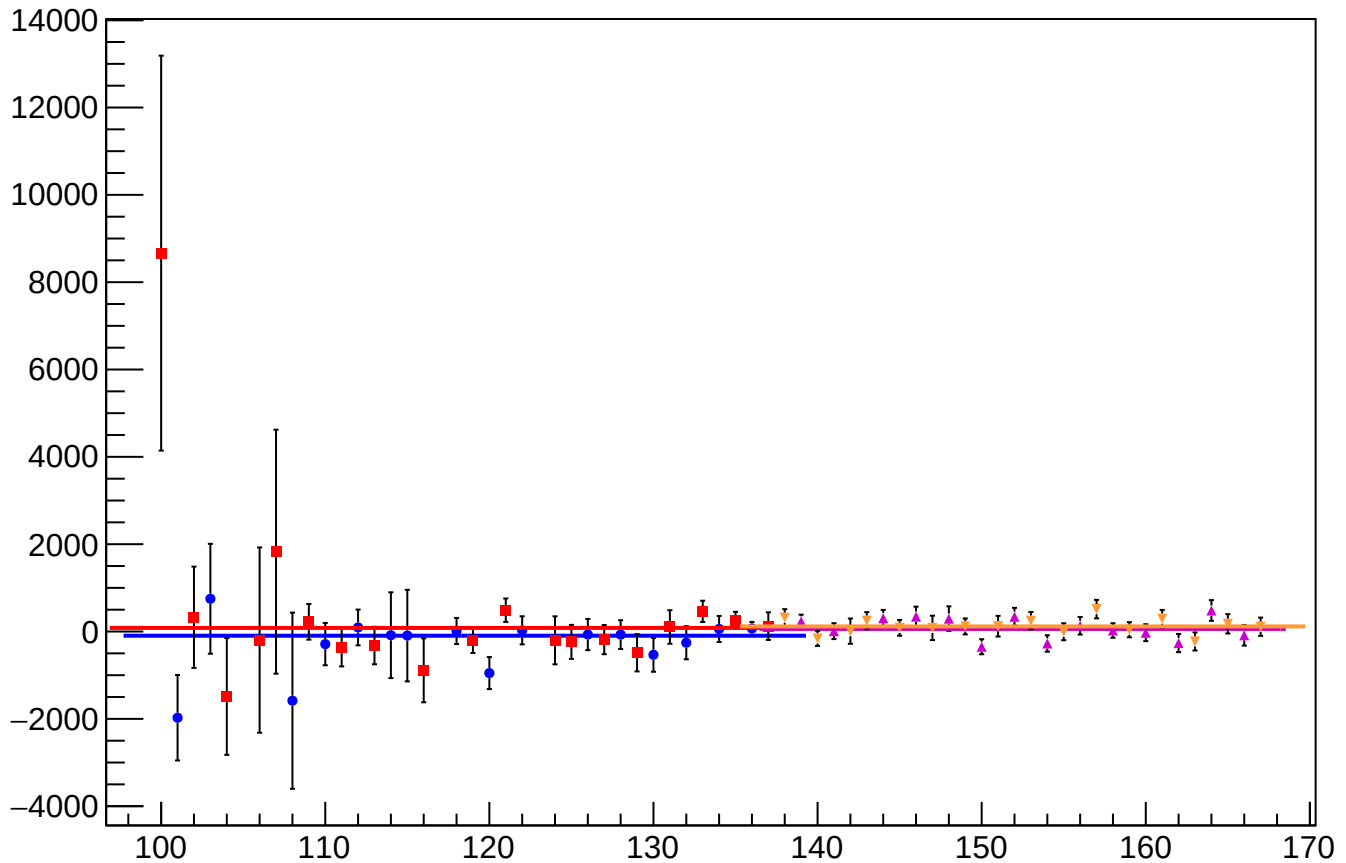
Left In: 252786.457 $\pm$ 53.033 χ^2 /NDF:278431.5/13

+ sign 273826.632 $\pm$ 45.094 χ^2 /NDF: 2499286.4/31

All: 278109.641 $\pm$ 32.811 χ^2 /NDF: 5288795.5

- sign 282928.384 $\pm$ 47.831 χ^2 /NDF: 2770338.3/32

diff_cav4cY_mean vs Slug



Right In: -95.850 ± 88.267 χ^2/NDF : 13.7/15

Left Out: 116.904 ± 50.733 χ^2/NDF : 12.5/15

Right Out: 82.750 ± 87.316 χ^2/NDF : 19.1/18

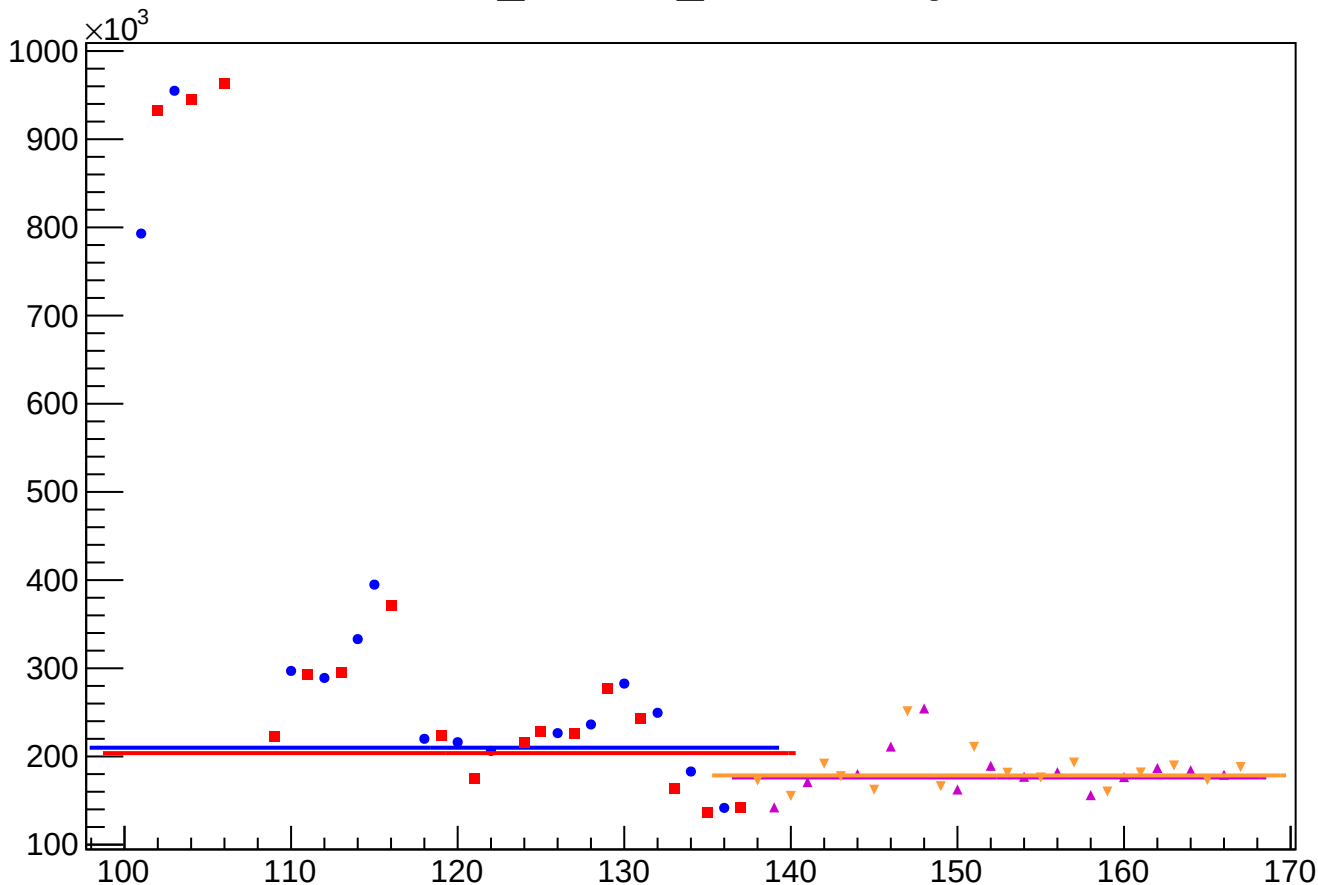
Left In: 59.389 ± 52.487 χ^2/NDF : 22.2/13

+ sign 64.072 ± 43.985 χ^2/NDF : 30.5/31

All: 64.814 ± 31.450 χ^2/NDF : 71.8/64

- sign 65.590 ± 44.985 χ^2/NDF : 41.3/32

diff_cav4cY_rms vs Slug



Right In: 209929.195 $\pm$ 62.523 χ^2 /NDF: 1959897.2/14

Left Out: 178499.953 $\pm$ 35.874 χ^2 /NDF:286149.2/15

Right Out: 203793.382 $\pm$ 61.895 χ^2 /NDF: 2070478.1/16

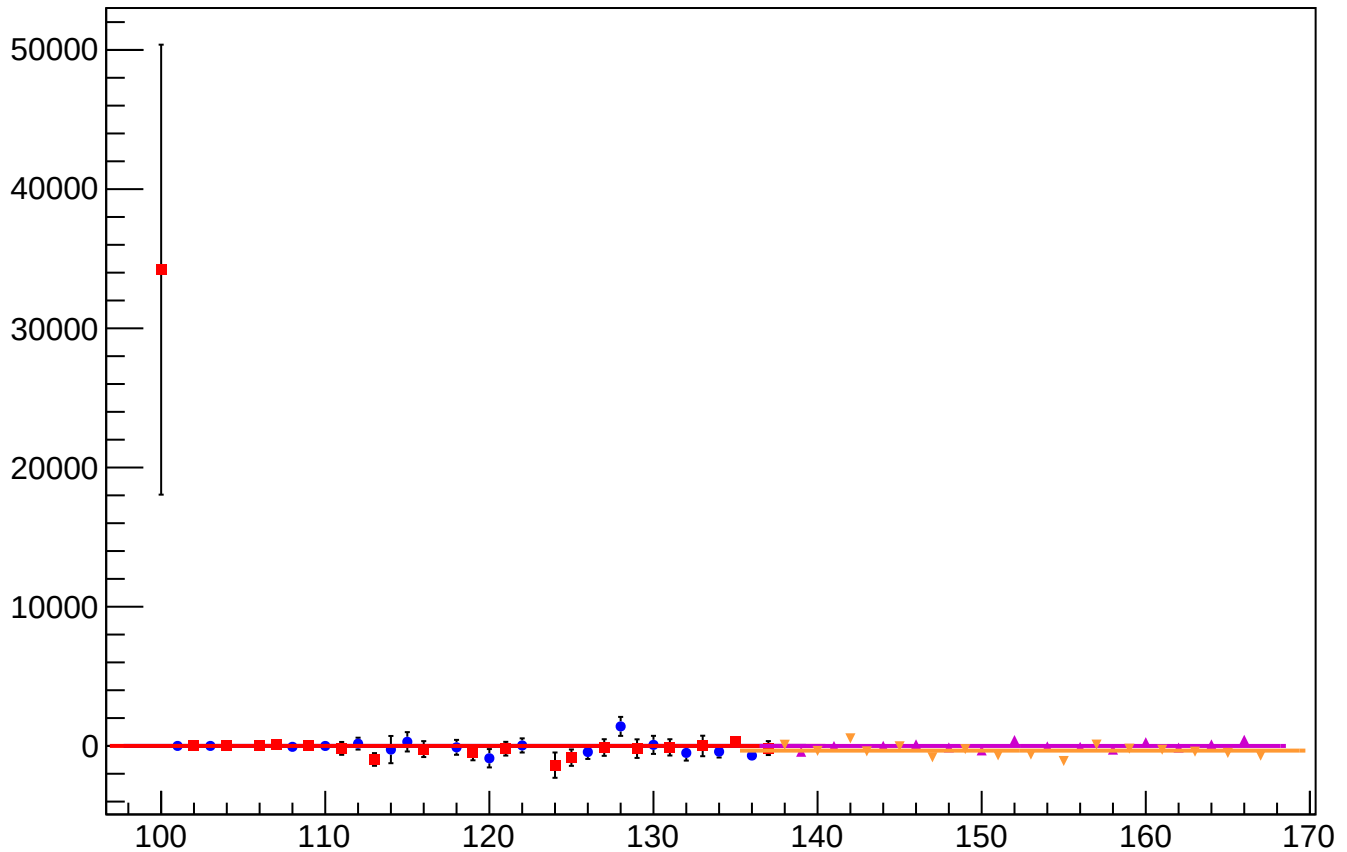
Left In: 176136.037 $\pm$ 37.114 χ^2 /NDF:357959.5/13

+ sign 186284.143 $\pm$ 31.116 χ^2 /NDF: 2436153.5/30

All: 184899.423 $\pm$ 22.250 χ^2 /NDF: 5015509.5/30

- sign 183450.390 $\pm$ 31.830 χ^2 /NDF: 2575302.9/30

diff_cav4dX_mean vs Slug



Right In: -0.035 ± 0.172 χ^2/NDF : 18.1/15

Left Out: -337.280 ± 59.265 χ^2/NDF : 35.1/15

Right Out: -0.355 ± 0.160 χ^2/NDF : 16.5/18

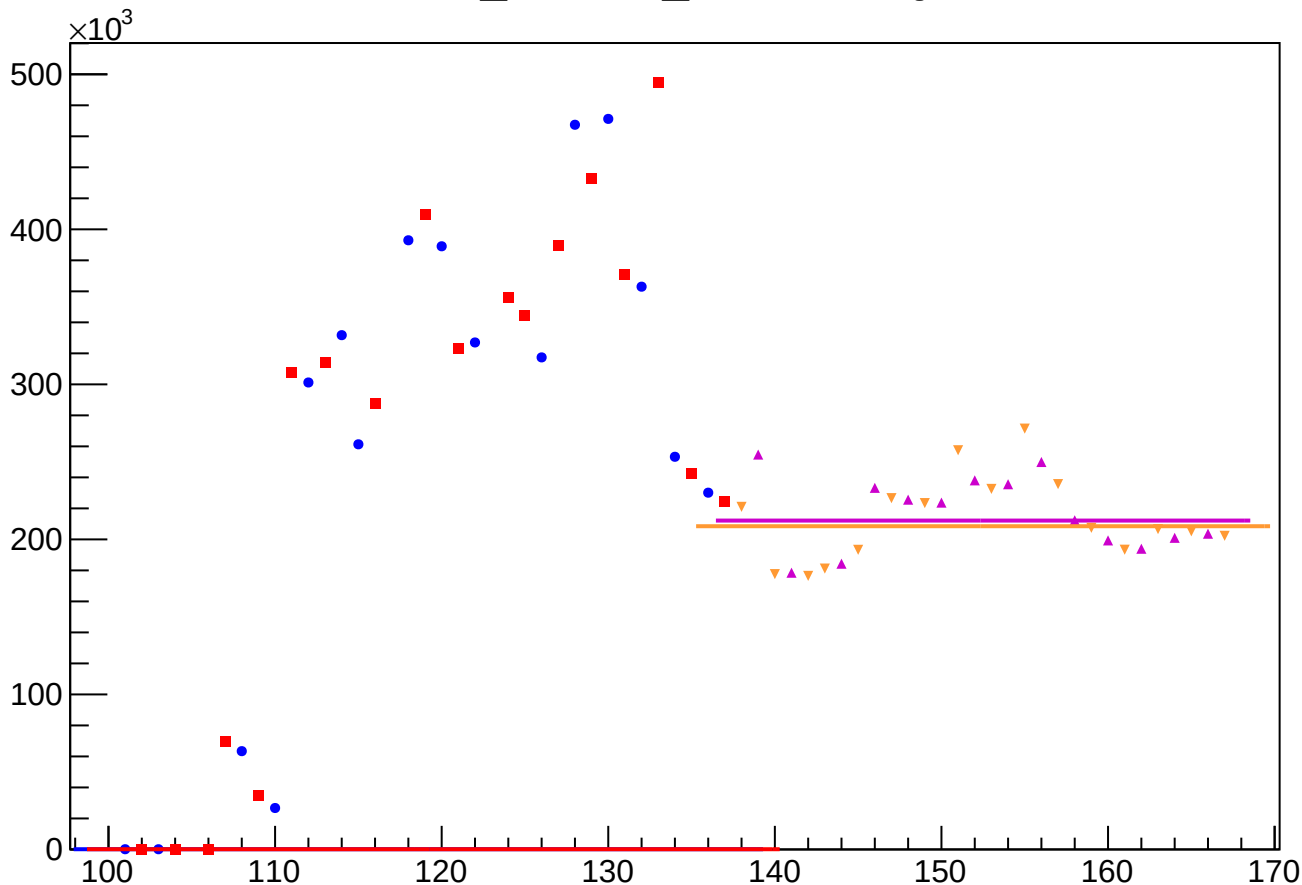
Left In: -2.312 ± 62.940 χ^2/NDF : 13.4/13

+ sign -0.038 ± 0.172 χ^2/NDF : 85.6/31

All: -0.208 ± 0.117 χ^2/NDF : 117.2/64

- sign -0.355 ± 0.160 χ^2/NDF : 29.8/32

diff_cav4dX_rms vs Slug



Right In: 149.092 $\pm$ 0.122 χ^2 /NDF: 11301940.9/15

Left Out: 208494.547 $\pm$ 41.907 χ^2 /NDF:349361.2/15

Right Out: 149.379 $\pm$ 0.113 χ^2 /NDF: 11288711.4/17

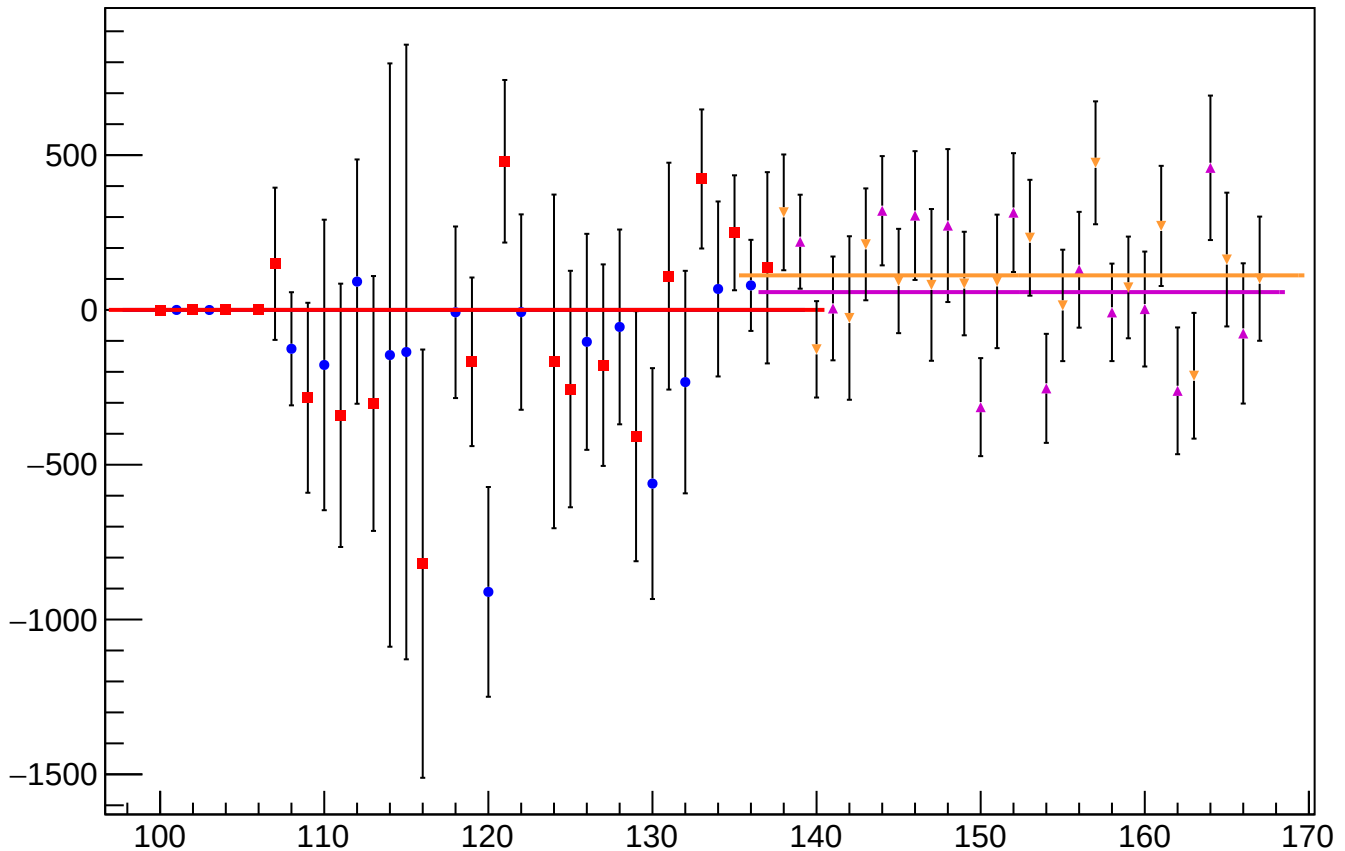
Left In: 212143.267 $\pm$ 44.505 χ^2 /NDF:277481.4/13

+ sign 150.852 $\pm$ 0.122 χ^2 /NDF: 36368258.1/31

All: 150.798 $\pm$ 0.083 χ^2 /NDF: 70623622.6/63

- sign 150.751 $\pm$ 0.113 χ^2 /NDF: 34255364.1/31

diff_cav4dY_mean vs Slug



Right In: -0.068 ± 0.177 χ^2/NDF : 11.2/15

Left Out: 111.624 ± 47.514 χ^2/NDF : 11.6/15

Right Out: 0.126 ± 0.166 χ^2/NDF : 15.2/18

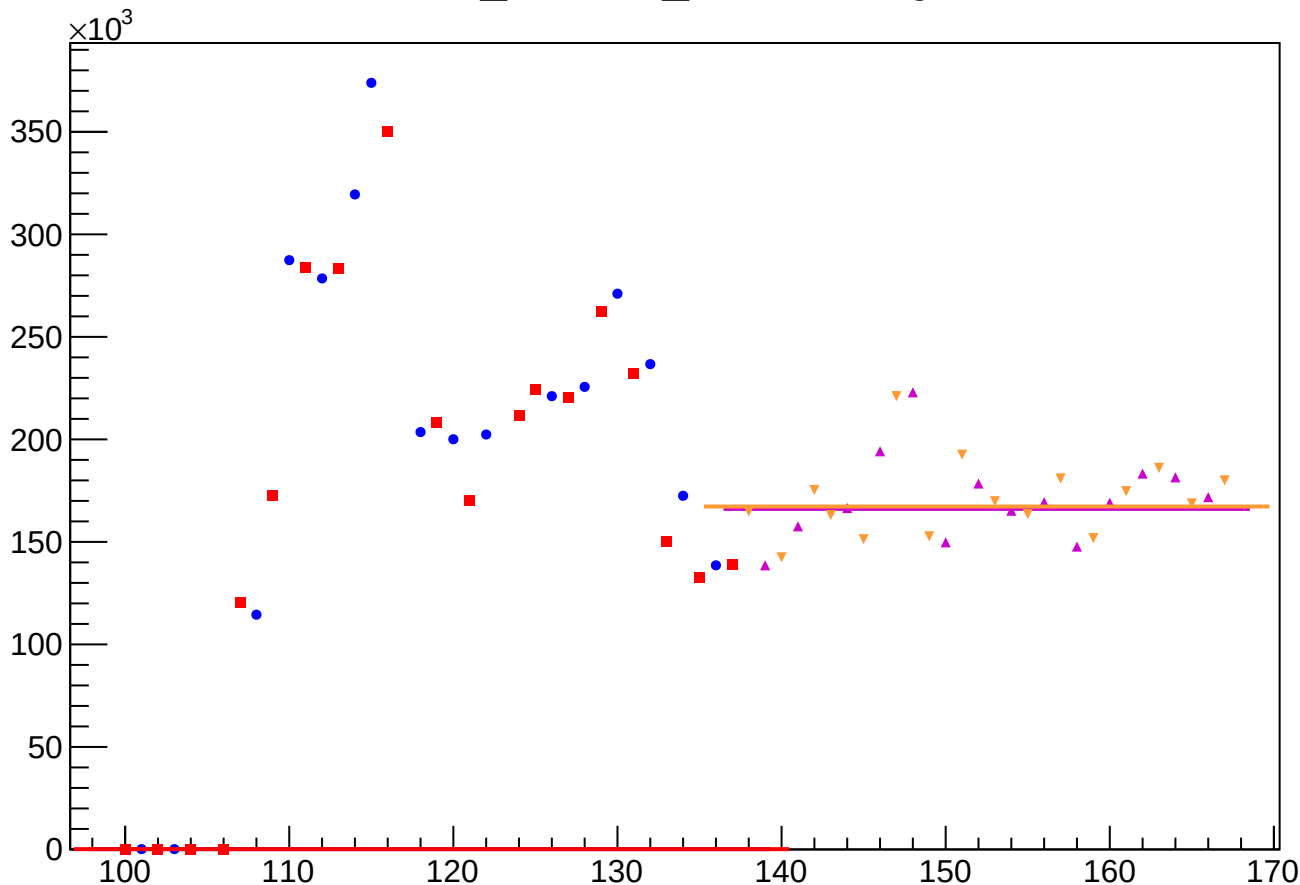
Left In: 57.532 ± 49.412 χ^2/NDF : 22.2/13

+ sign -0.067 ± 0.177 χ^2/NDF : 28.3/31

All: 0.036 ± 0.121 χ^2/NDF : 67.7/64

- sign 0.127 ± 0.166 χ^2/NDF : 38.8/32

diff_cav4dY_rms vs Slug



Right In: 153.460 $\pm$ 0.125 χ^2 /NDF: 11904914.7/15

Left Out: 167257.954 $\pm$ 33.598 χ^2 /NDF:267594.2/15

Right Out: 156.158 $\pm$ 0.118 χ^2 /NDF: 11330885.6/18

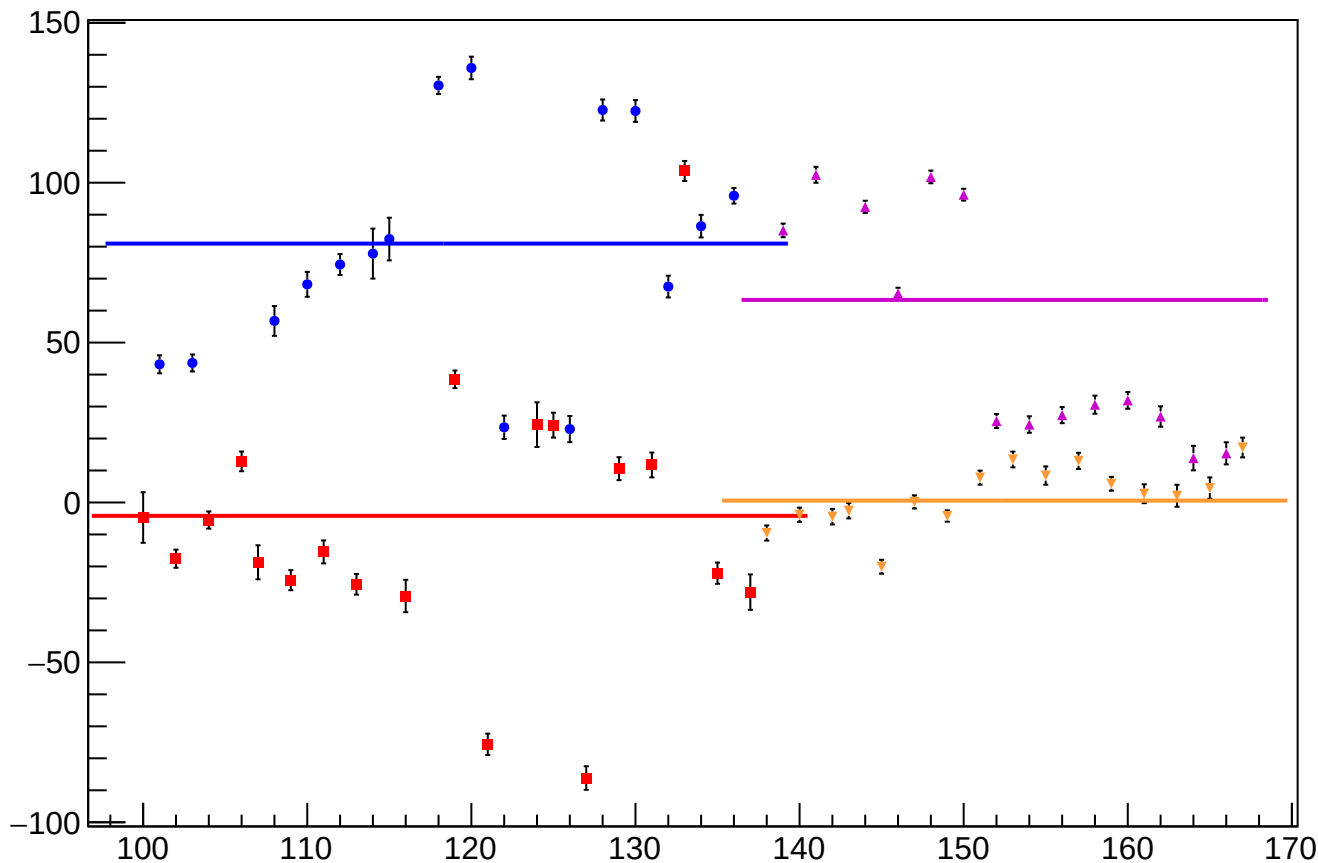
Left In: 166105.203 $\pm$ 34.940 χ^2 /NDF:295475.3/13

+ sign 155.785 $\pm$ 0.125 χ^2 /NDF: 36909821.8/31

All: 156.984 $\pm$ 0.086 χ^2 /NDF: 71094445.1/64

- sign 158.041 $\pm$ 0.118 χ^2 /NDF: 34184451.1/32

diff_bpm0i01X_mean vs Slug



Right In: 80.955 ± 0.851 χ^2/NDF : 1813.9/15

Left Out: 0.581 ± 0.604 χ^2/NDF : 232.8/15

Right Out: -4.183 ± 0.820 χ^2/NDF : 2719.7/18

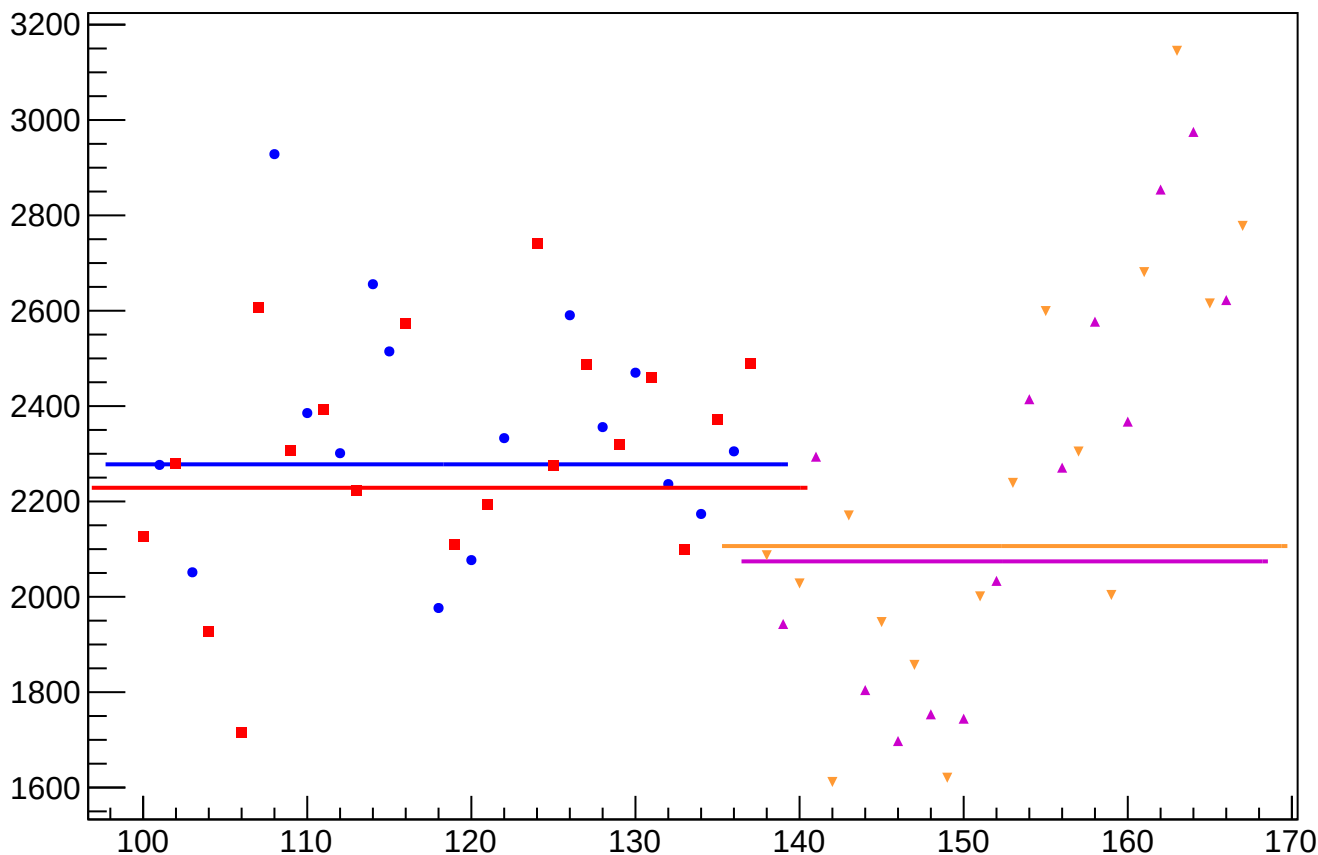
Left In: 63.348 ± 0.626 χ^2/NDF : 2780.1/13

+ sign 27.469 ± 0.492 χ^2/NDF : 7976.5/31

All: 32.930 ± 0.350 χ^2/NDF : 18010.7/64

- sign 38.502 ± 0.497 χ^2/NDF : 9785.7/32

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF : 115771.4/15

Left Out: 2106.445+/-0.427 χ^2/NDF : 762131.6/15

Right Out: 2228.689+/-0.580 χ^2/NDF : 151135.6/18

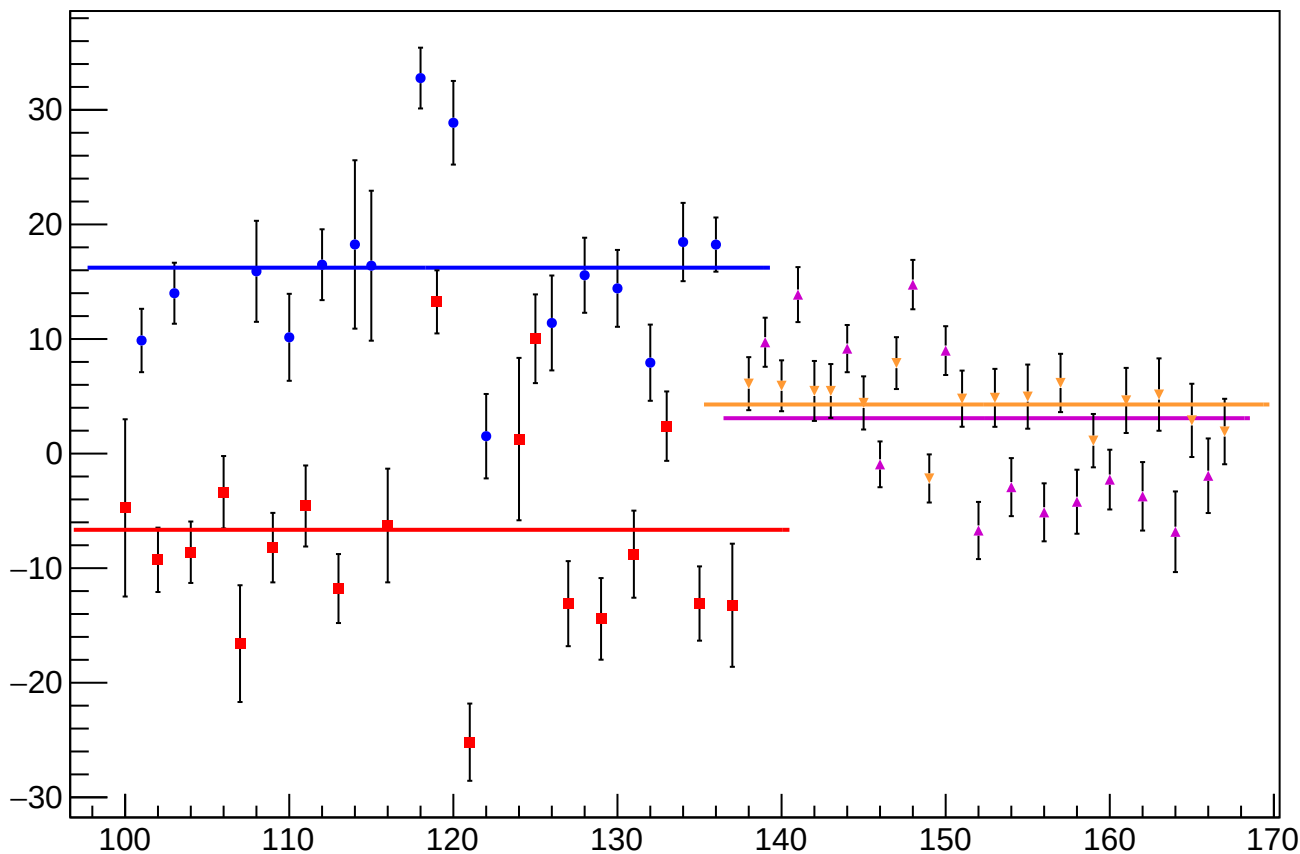
Left In: 2074.321+/-0.442 χ^2/NDF : 685015.9/13

+ sign 2163.791+/-0.348 χ^2/NDF : 931850.2/31

All: 2147.617+/-0.247 χ^2/NDF : 1817150.2/64

- sign 2131.115+/-0.352 χ^2/NDF : 880941.6/32

diff_bpm0i01Y_mean vs Slug



Right In: 16.226 ± 0.838 χ^2/NDF : 84.5/15

Left Out: 4.285 ± 0.625 χ^2/NDF : 17.1/15

Right Out: -6.652 ± 0.809 χ^2/NDF : 134.6/18

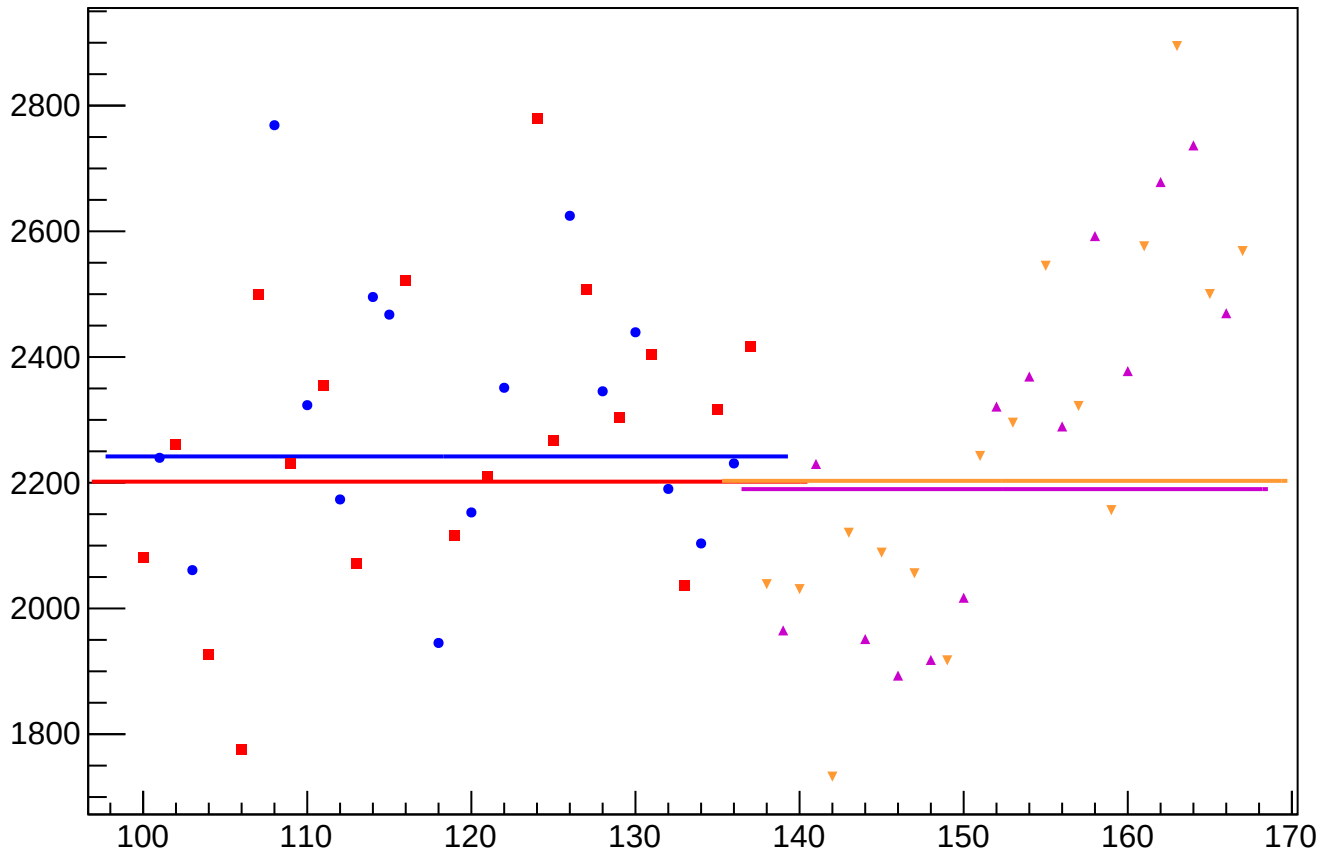
Left In: 3.088 ± 0.653 χ^2/NDF : 137.6/13

+ sign 8.557 ± 0.501 χ^2/NDF : 232.2/31

All: 3.968 ± 0.357 χ^2/NDF : 762.3/64

- sign -0.750 ± 0.508 χ^2/NDF : 360.0/32

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853 ± 0.592 χ^2/NDF : 102260.7/15

Left Out: 2203.016 ± 0.442 χ^2/NDF : 358296.6/15

Right Out: 2201.739 ± 0.572 χ^2/NDF : 129882.5/18

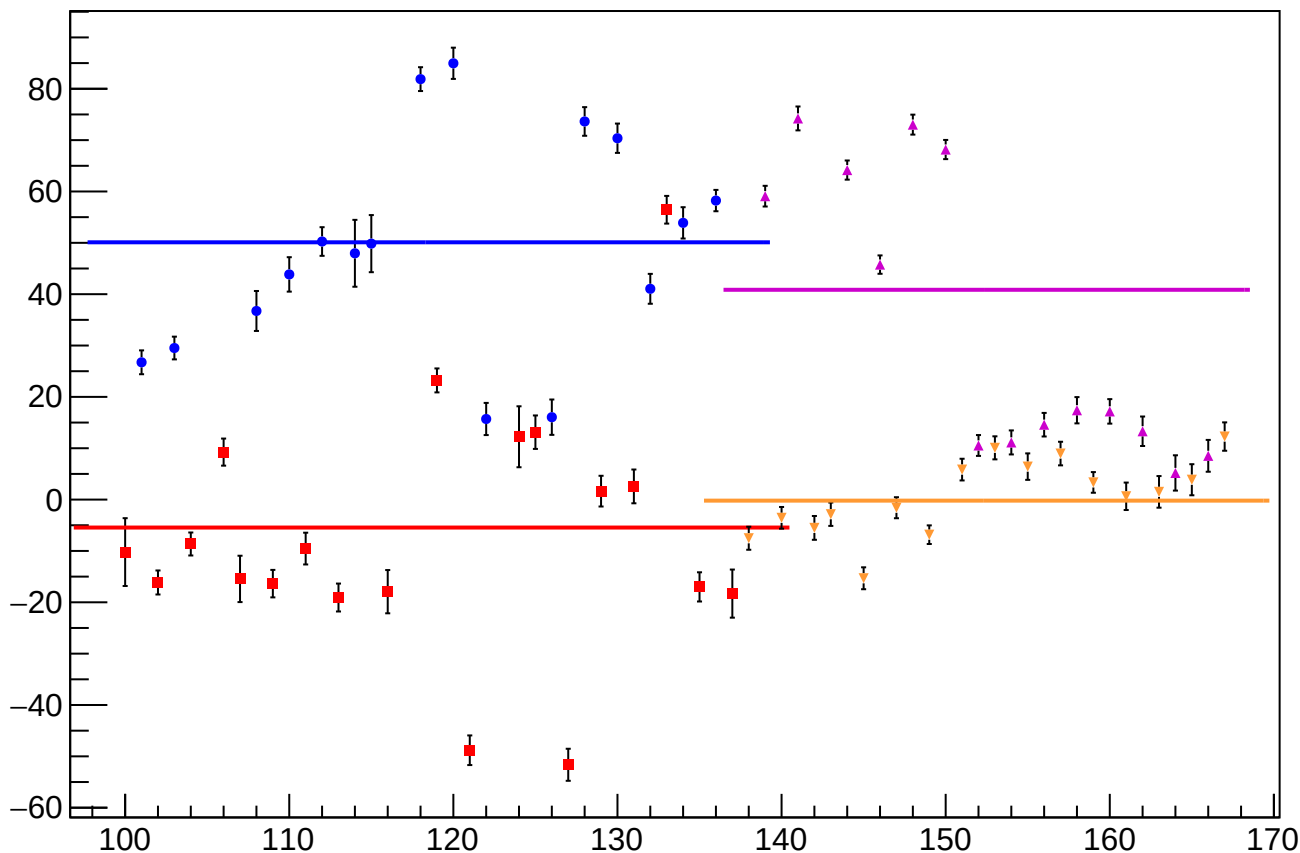
Left In: 2189.855 ± 0.461 χ^2/NDF : 325384.2/13

+ sign 2216.911 ± 0.354 χ^2/NDF : 463318.6/31

All: 2205.880 ± 0.252 χ^2/NDF : 920813.1/64

- sign 2194.538 ± 0.359 χ^2/NDF : 455528.1/32

diff_bpm0i01aX_mean vs Slug



Right In: 50.102 ± 0.722 χ^2/NDF : 888.5/15

Left Out: -0.202 ± 0.572 χ^2/NDF : 161.3/15

Right Out: -5.444 ± 0.694 χ^2/NDF : 1311.6/18

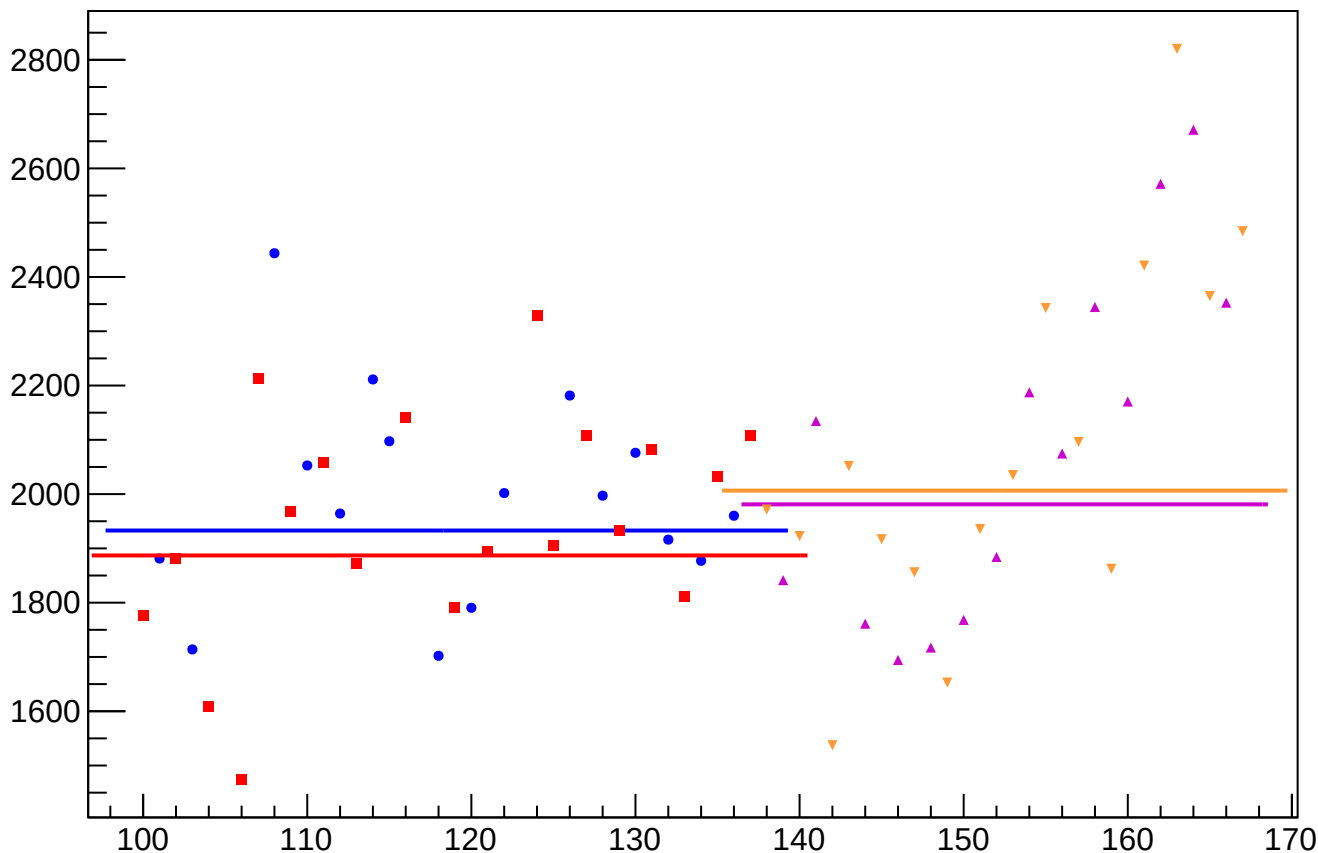
Left In: 40.856 ± 0.594 χ^2/NDF : 1946.0/13

+ sign 19.172 ± 0.448 χ^2/NDF : 4033.7/31

All: 20.228 ± 0.318 χ^2/NDF : 9871.0/64

- sign 21.298 ± 0.451 χ^2/NDF : 5826.2/32

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF : 105967.6/15

Left Out: 2006.467+/-0.404 χ^2/NDF : 502302.6/15

Right Out: 1887.006+/-0.491 χ^2/NDF : 149746.6/18

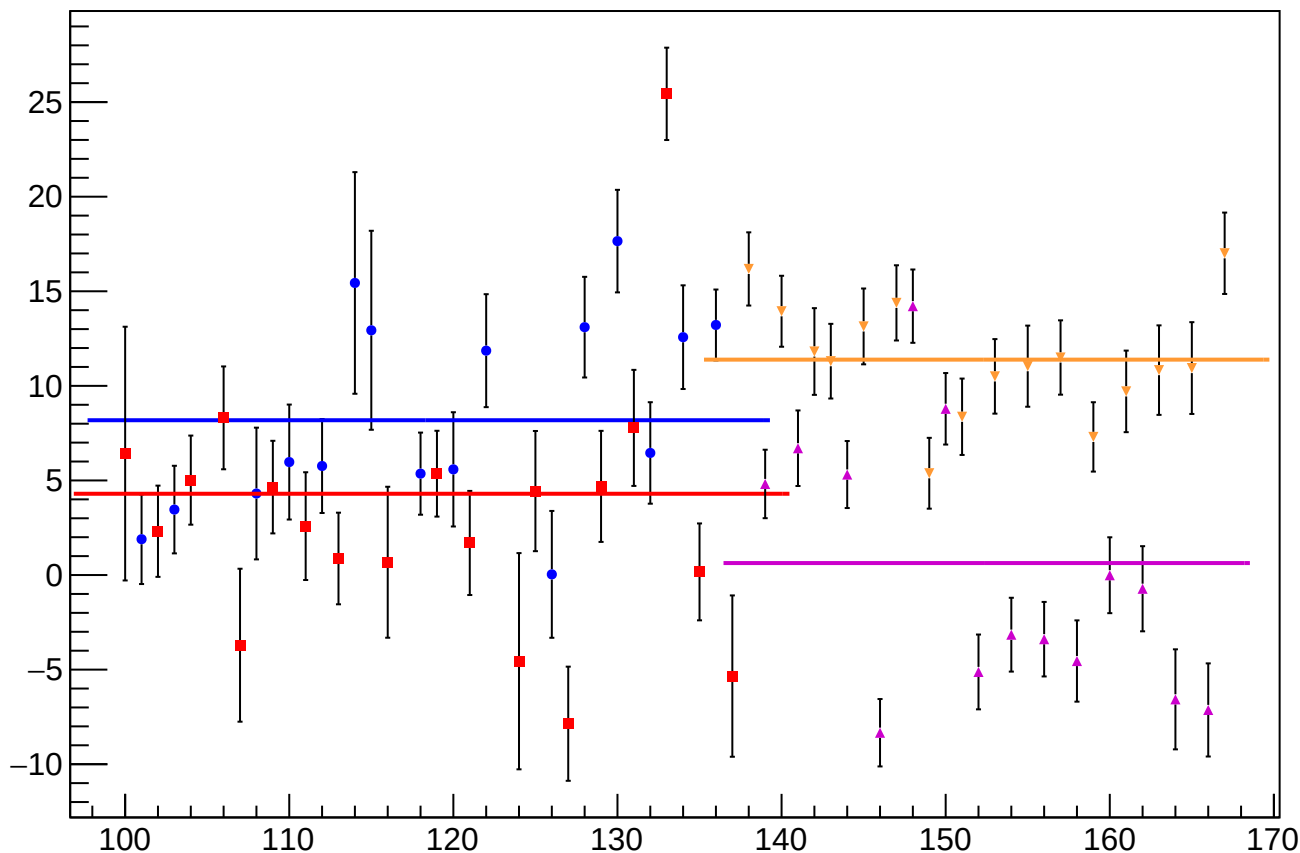
Left In: 1981.093+/-0.420 χ^2/NDF : 430724.1/13

+ sign 1978.135+/-0.317 χ^2/NDF : 621031.5/31

All: 1959.868+/-0.225 χ^2/NDF : 1229409.2/64

- sign 1941.348+/-0.319 χ^2/NDF : 601685.8/32

diff_bpm0i01aY_mean vs Slug



Right In: 8.183 ± 0.684 $\chi^2/\text{NDF}: 52.0/15$

Left Out: 11.386 ± 0.510 $\chi^2/\text{NDF}: 36.3/15$

Right Out: 4.297 ± 0.665 $\chi^2/\text{NDF}: 114.0/18$

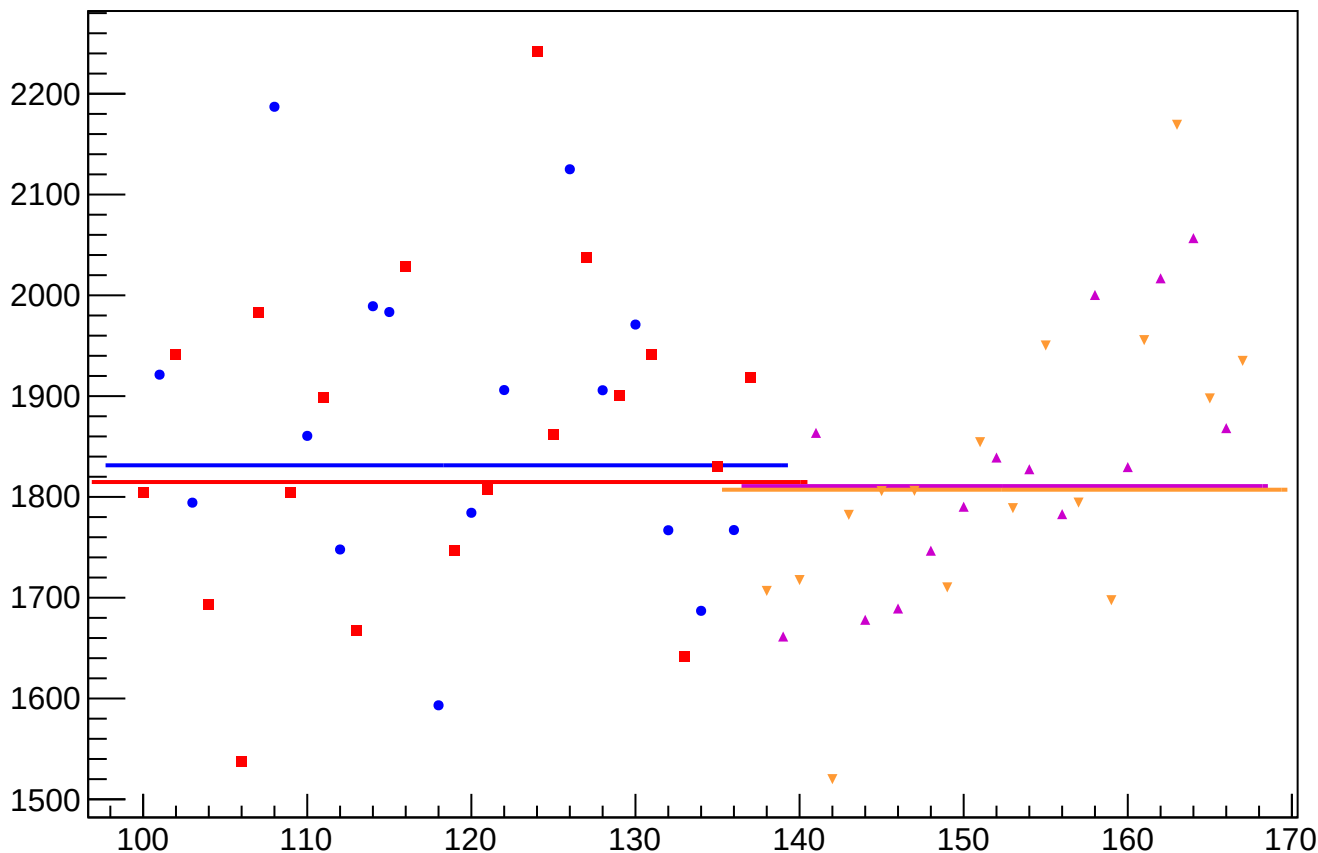
Left In: 0.633 ± 0.536 $\chi^2/\text{NDF}: 154.7/13$

+ sign 10.241 ± 0.409 $\chi^2/\text{NDF}: 102.4/31$

All: 6.241 ± 0.292 $\chi^2/\text{NDF}: 584.8/64$

- sign 2.074 ± 0.417 $\chi^2/\text{NDF}: 287.0/32$

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359 $\pm$ 0.483 χ^2 /NDF: 86919.2/15

Left Out: 1807.146 $\pm$ 0.361 χ^2 /NDF:130610.8/15

Right Out: 1814.774 $\pm$ 0.471 χ^2 /NDF: 90738.7/18

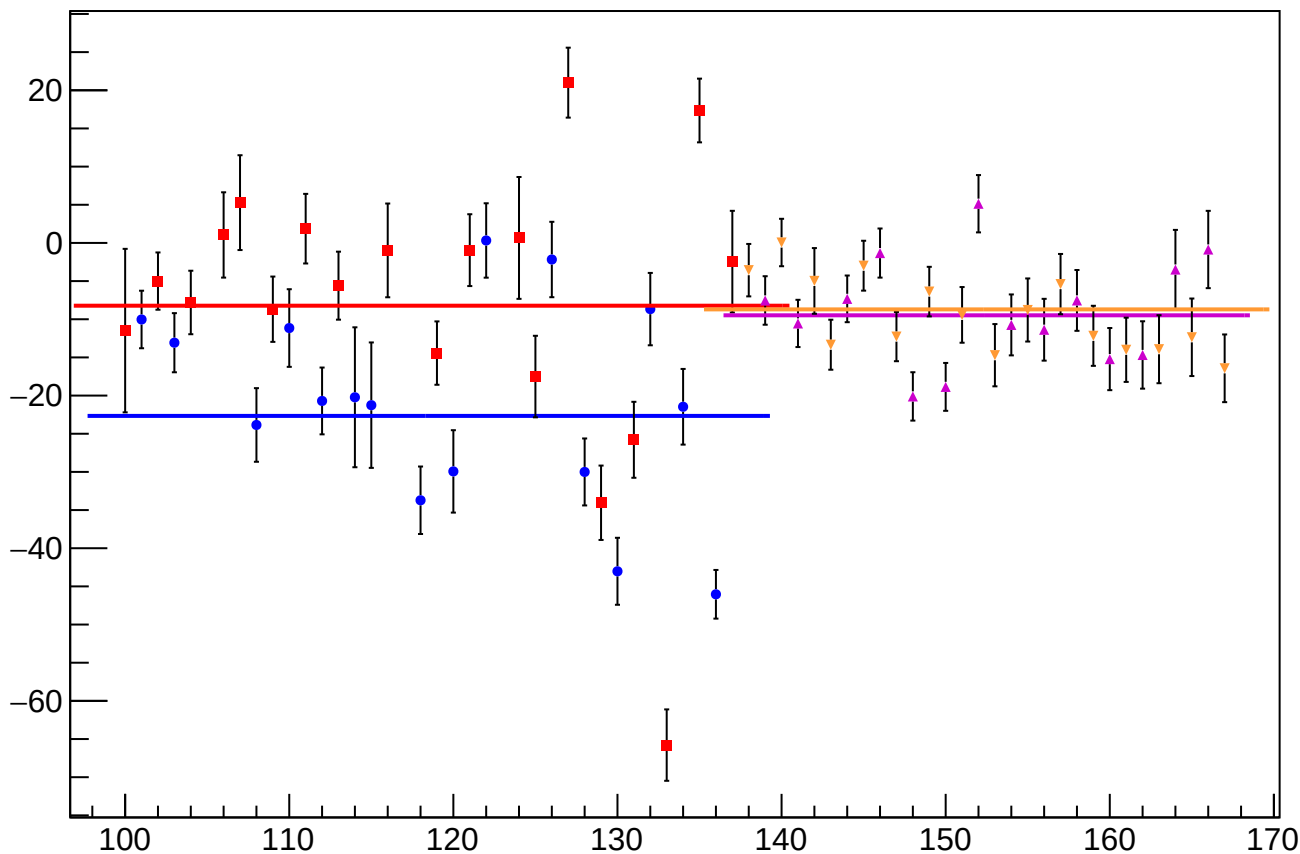
Left In: 1810.741 $\pm$ 0.379 χ^2 /NDF:89837.7/13

+ sign 1815.808 $\pm$ 0.289 χ^2 /NDF: 219141.8/31

All: 1814.103 $\pm$ 0.207 χ^2 /NDF: 399833.7/64

- sign 1812.327 $\pm$ 0.295 χ^2 /NDF: 180620.9/32

diff_bpm0l01X_mean vs Slug



Right In: -22.663 ± 1.152 χ^2/NDF : 157.2/15

Left Out: -8.707 ± 0.937 χ^2/NDF : 27.9/15

Right Out: -8.224 ± 1.129 χ^2/NDF : 294.8/18

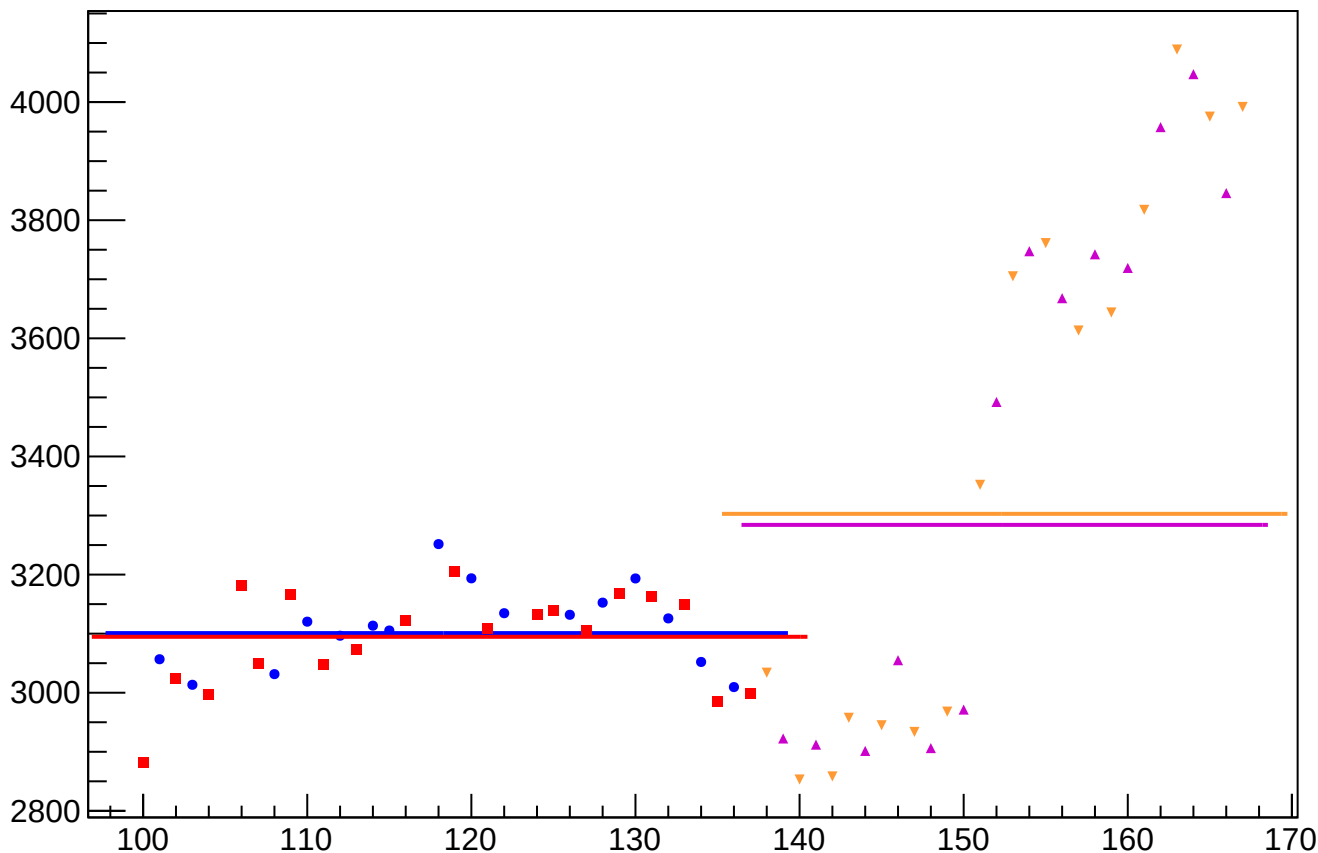
Left In: -9.483 ± 0.974 χ^2/NDF : 50.9/13

+ sign -14.263 ± 0.727 χ^2/NDF : 273.4/31

All: -11.643 ± 0.518 χ^2/NDF : 646.3/64

- sign -8.946 ± 0.738 χ^2/NDF : 346.4/32

diff_bpm0l01X_rms vs Slug



Right In: 3100.940 $\pm$ 0.815 χ^2 /NDF: 7893.7/15

Left Out: 3302.853 $\pm$ 0.663 χ^2 /NDF: 416474.1/15

Right Out: 3094.688 $\pm$ 0.798 χ^2 /NDF: 8584.4/18

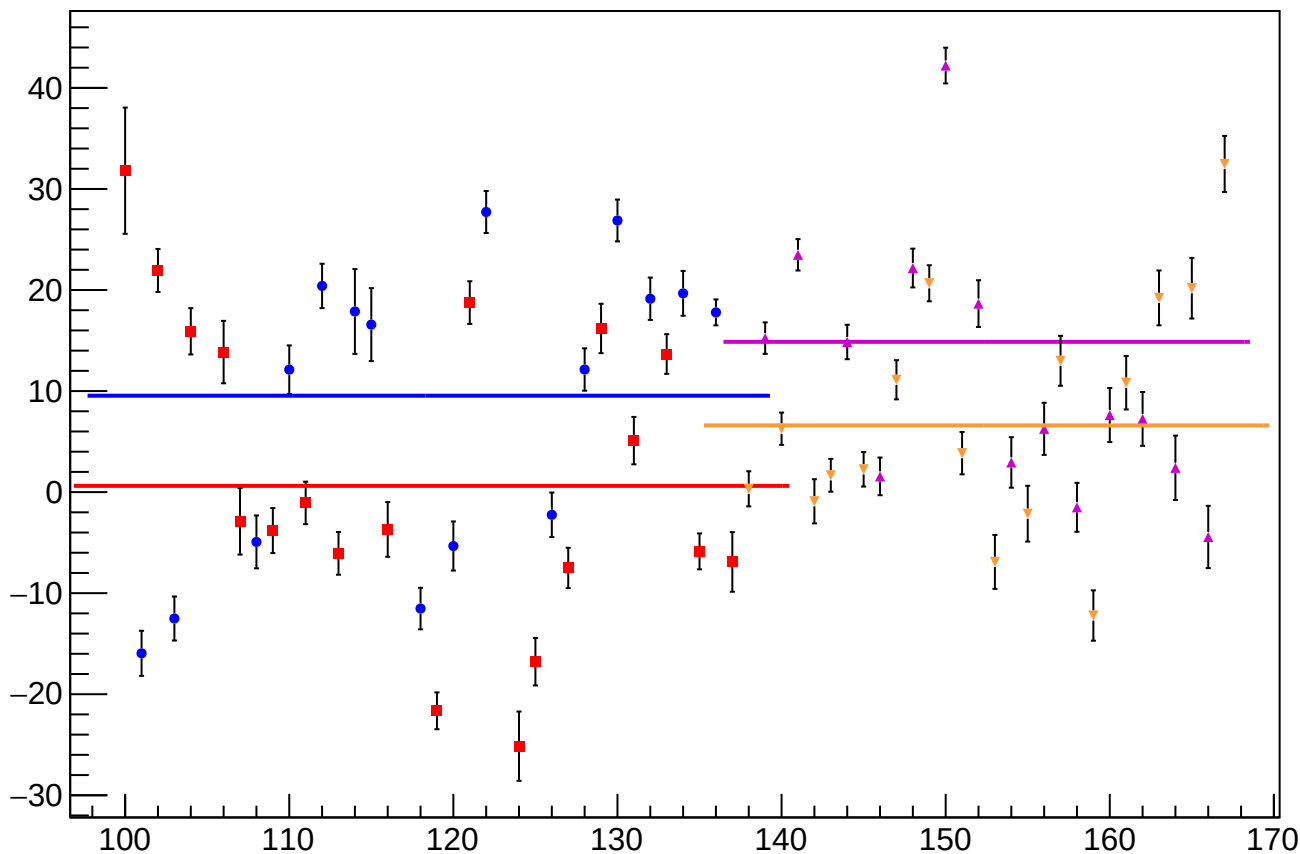
Left In: 3284.159 $\pm$ 0.689 χ^2 /NDF: 359244.4/13

+ sign 3222.460 $\pm$ 0.514 χ^2 /NDF: 461349.1/31

All: 3213.005 $\pm$ 0.366 χ^2 /NDF: 862156.9/64

- sign 3203.270 $\pm$ 0.522 χ^2 /NDF: 400121.0/32

diff_bpm0l01Y_mean vs Slug



Right In: 9.540 ± 0.541 χ^2/NDF : 698.7/15

Left Out: 6.601 ± 0.529 χ^2/NDF : 340.7/15

Right Out: 0.620 ± 0.534 χ^2/NDF : 665.8/18

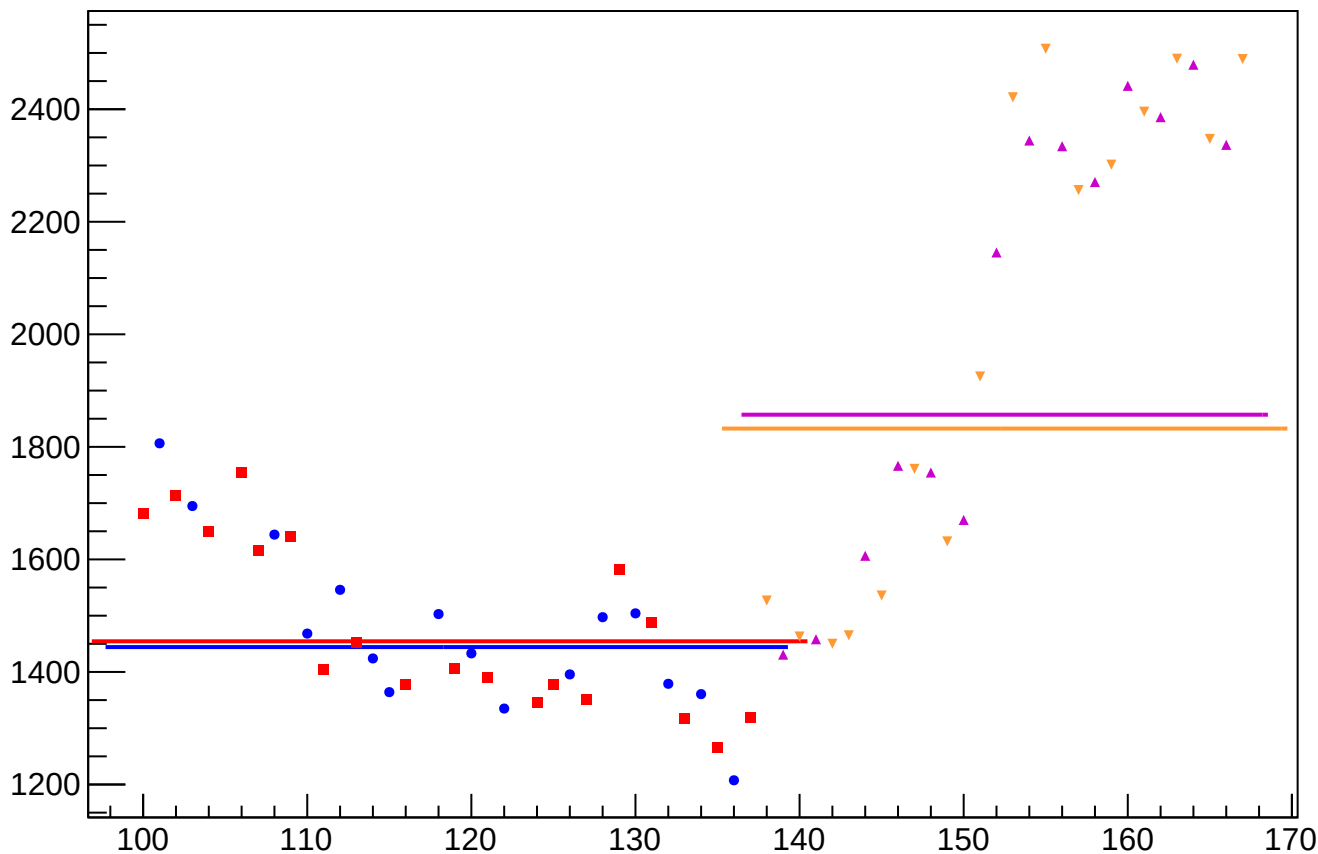
Left In: 14.872 ± 0.559 χ^2/NDF : 488.1/13

+ sign 8.036 ± 0.378 χ^2/NDF : 1054.5/31

All: 7.737 ± 0.270 χ^2/NDF : 2549.8/64

- sign 7.426 ± 0.386 χ^2/NDF : 1494.0/32

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188 $\pm$ 0.383 χ^2 /NDF: 180147.9/15

Left Out: 1832.555 $\pm$ 0.374 χ^2 /NDF: 1150241.0/15

Right Out: 1454.470 $\pm$ 0.378 χ^2 /NDF: 142772.9/18

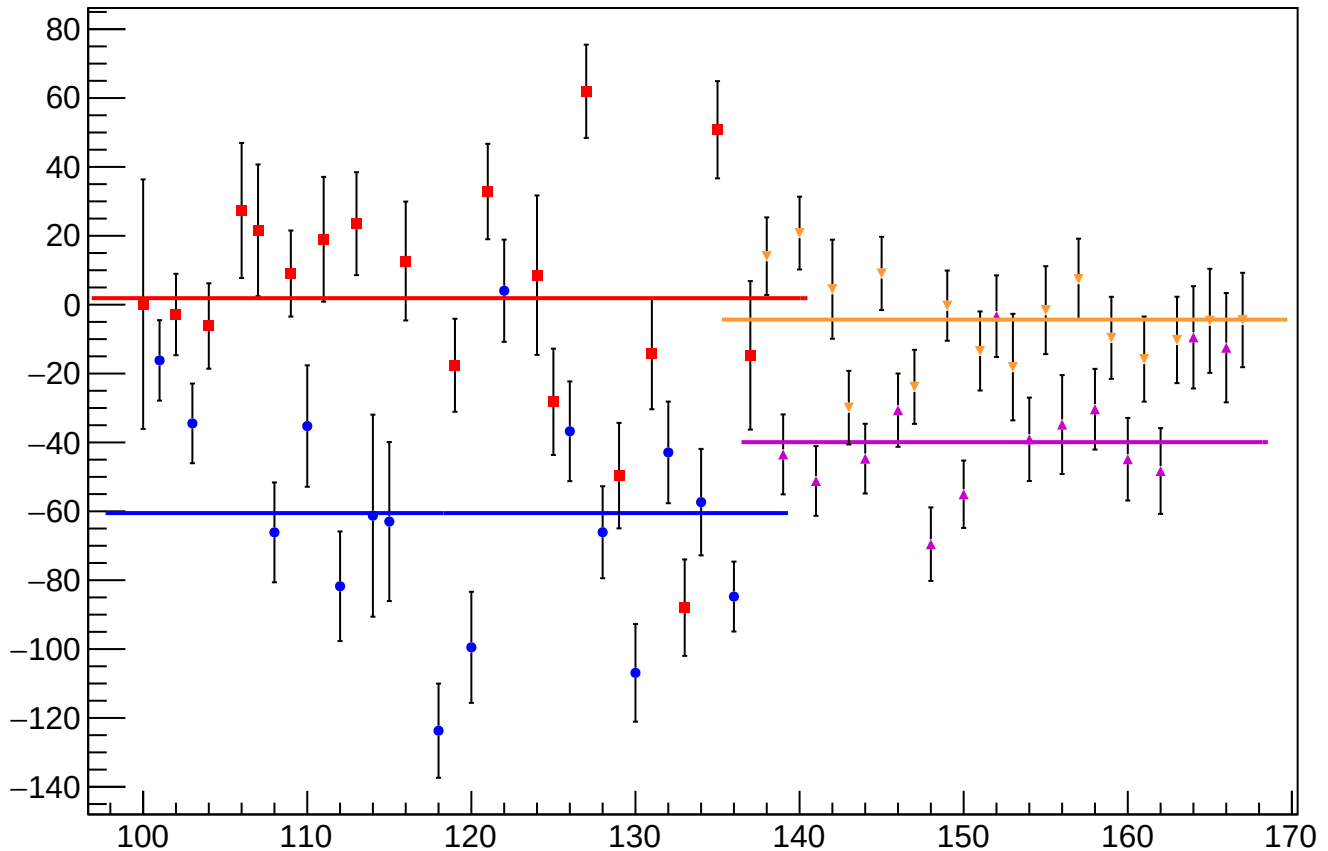
Left In: 1857.151 $\pm$ 0.395 χ^2 /NDF: 891209.6/13

+ sign 1642.976 $\pm$ 0.267 χ^2 /NDF: 1857357.2/31

All: 1644.840 $\pm$ 0.191 χ^2 /NDF: 3434359.8/64

- sign 1646.781 $\pm$ 0.273 χ^2 /NDF: 1576903.4/32

diff_bpm0l02X_mean vs Slug



Right In: -60.516 ± 3.596 χ^2/NDF : 90.3/15

Left Out: -4.332 ± 2.983 χ^2/NDF : 23.2/15

Right Out: 1.894 ± 3.543 χ^2/NDF : 103.8/18

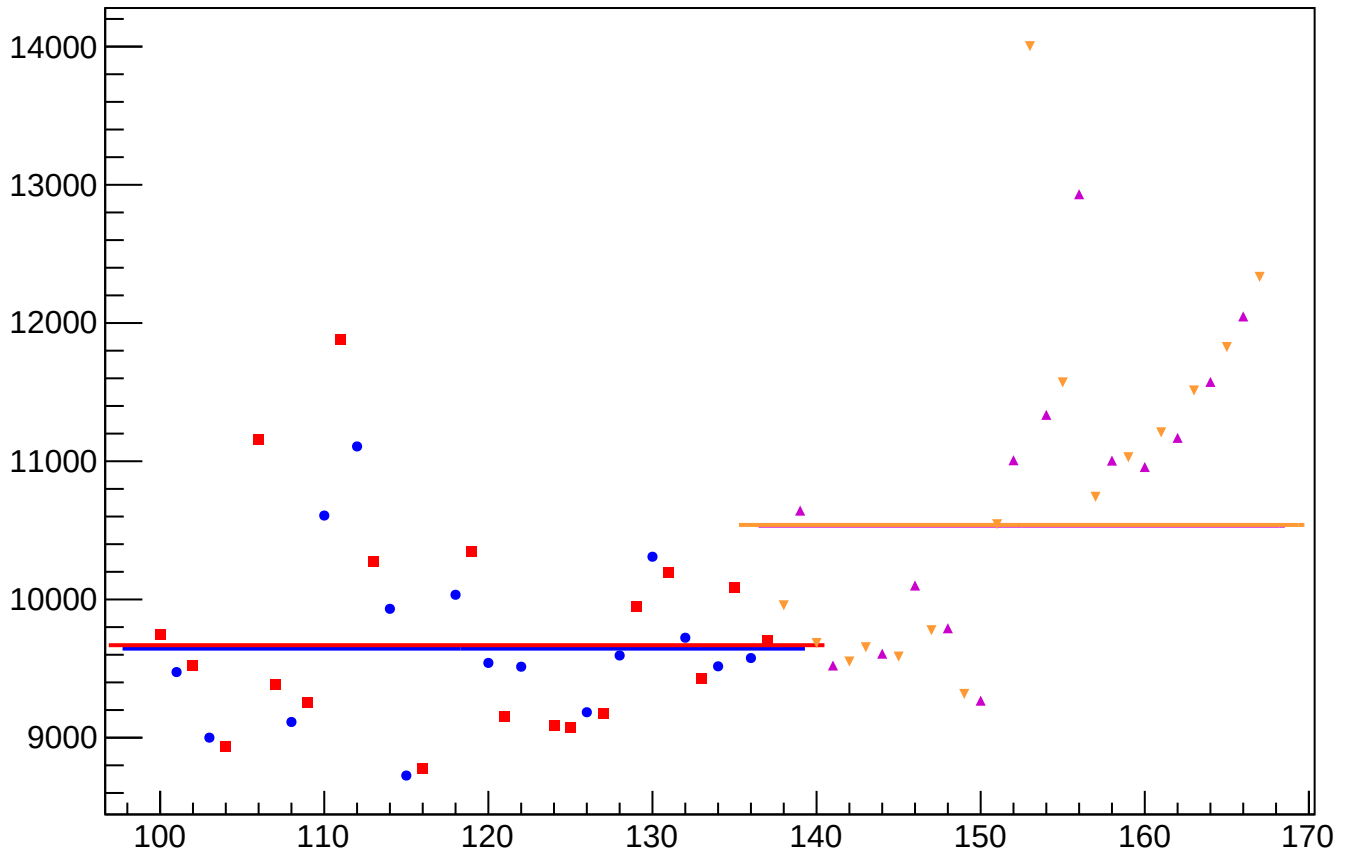
Left In: -39.915 ± 3.116 χ^2/NDF : 30.5/13

+ sign -27.235 ± 2.296 χ^2/NDF : 258.1/31

All: -24.508 ± 1.639 χ^2/NDF : 473.9/64

- sign -21.677 ± 2.340 χ^2/NDF : 212.9/32

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF : 44101.6/15

Left Out: 10539.256+/-2.109 χ^2/NDF : 280500.1/15

Right Out: 9669.136+/-2.505 χ^2/NDF : 79878.1/18

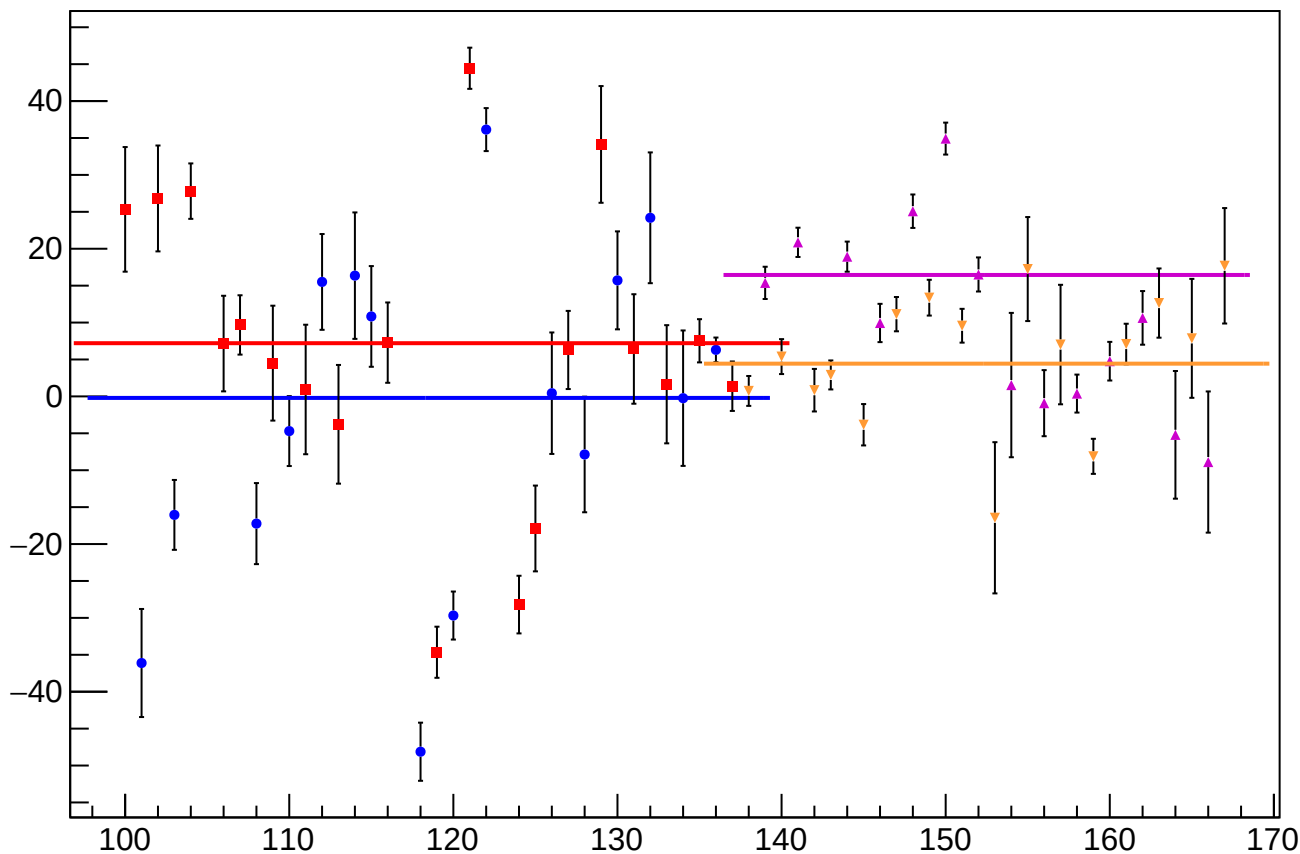
Left In: 10534.123+/-2.204 χ^2/NDF : 190048.0/13

+ sign 10174.477+/-1.624 χ^2/NDF : 397956.2/31

All: 10165.802+/-1.159 χ^2/NDF : 735153.4/64

- sign 10156.793+/-1.655 χ^2/NDF : 337139.0/32

diff_bpm0l02Y_mean vs Slug



Right In: -0.206 ± 1.045 χ^2/NDF : 473.7/15

Left Out: 4.434 ± 0.724 χ^2/NDF : 83.9/15

Right Out: 7.206 ± 1.074 χ^2/NDF : 485.6/18

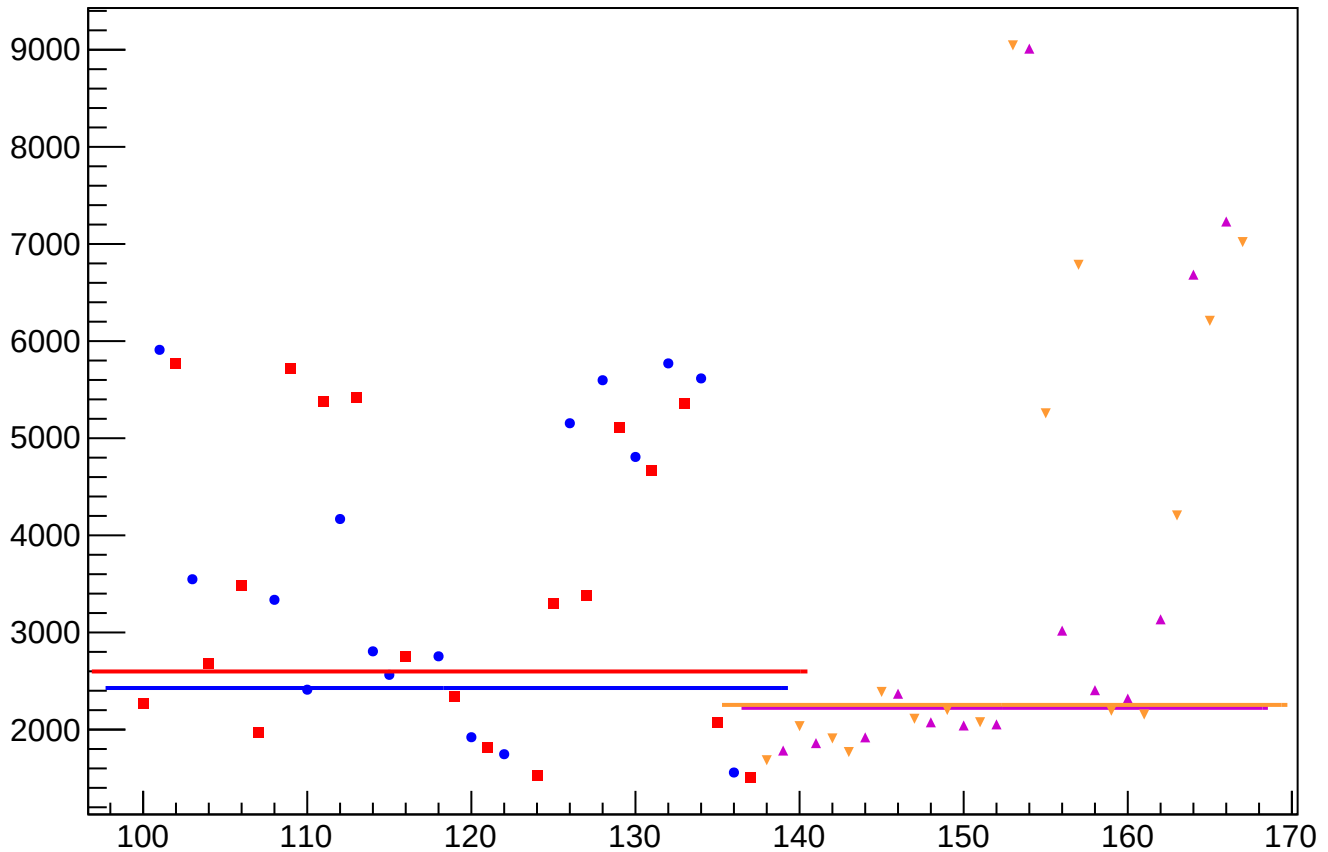
Left In: 16.448 ± 0.724 χ^2/NDF : 192.5/13

+ sign 2.930 ± 0.595 χ^2/NDF : 570.9/31

All: 8.198 ± 0.423 χ^2/NDF : 1458.0/64

- sign 13.558 ± 0.600 χ^2/NDF : 729.1/32

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF : 2815335.2/15

Left Out: 2254.090+/-0.512 χ^2/NDF : 3797224.1/15

Right Out: 2598.321+/-0.759 χ^2/NDF : 2514932.7/18

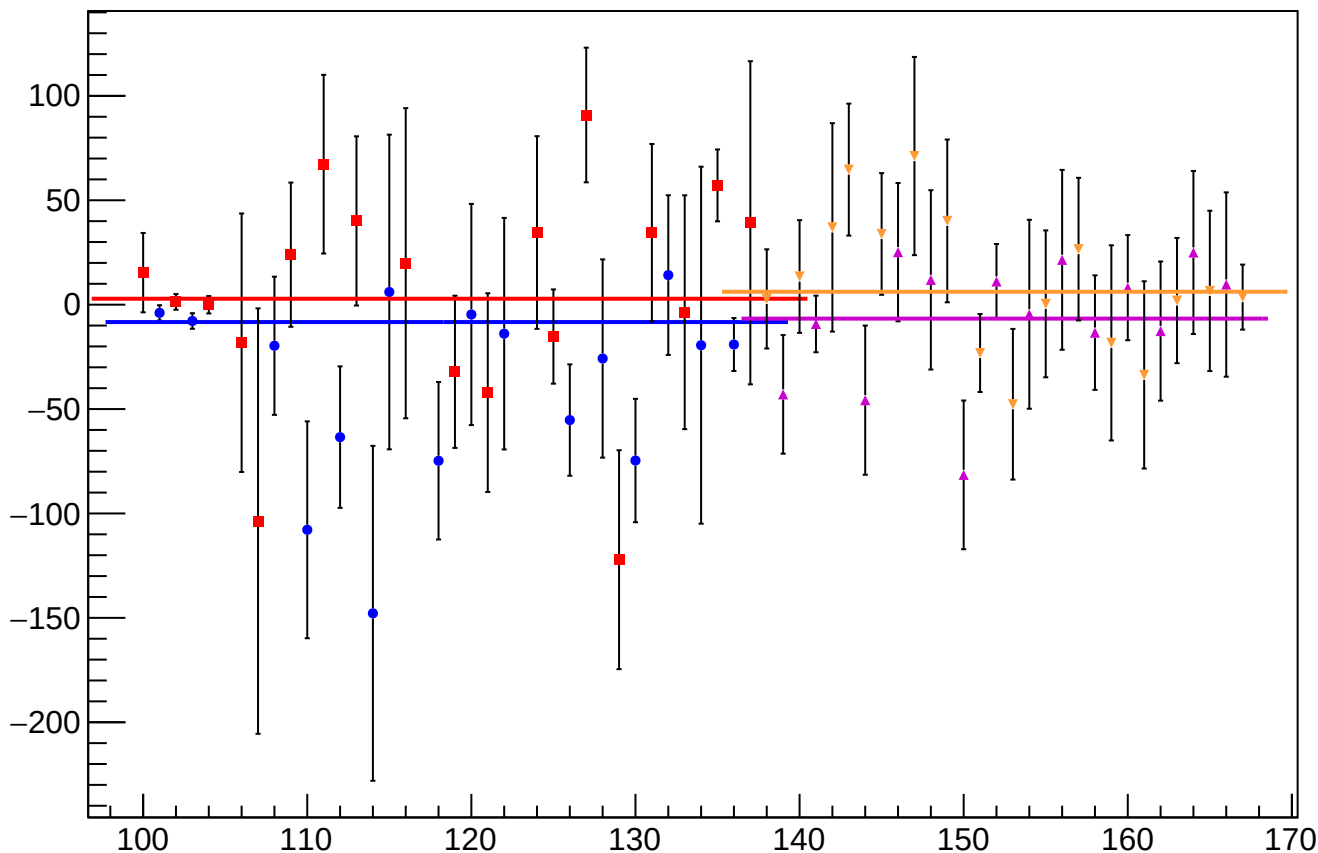
Left In: 2223.969+/-0.512 χ^2/NDF : 2478887.9/13

+ sign 2310.485+/-0.421 χ^2/NDF : 6650006.4/31

All: 2325.621+/-0.299 χ^2/NDF : 11813562.2/6

- sign 2341.023+/-0.425 χ^2/NDF : 5160945.8/32

diff_bpm0l03X_mean vs Slug



Right In: -8.332 ± 2.499 χ^2/NDF : 23.4/15

Left Out: 6.187 ± 7.255 χ^2/NDF : 13.6/15

Right Out: 2.848 ± 2.640 χ^2/NDF : 32.6/18

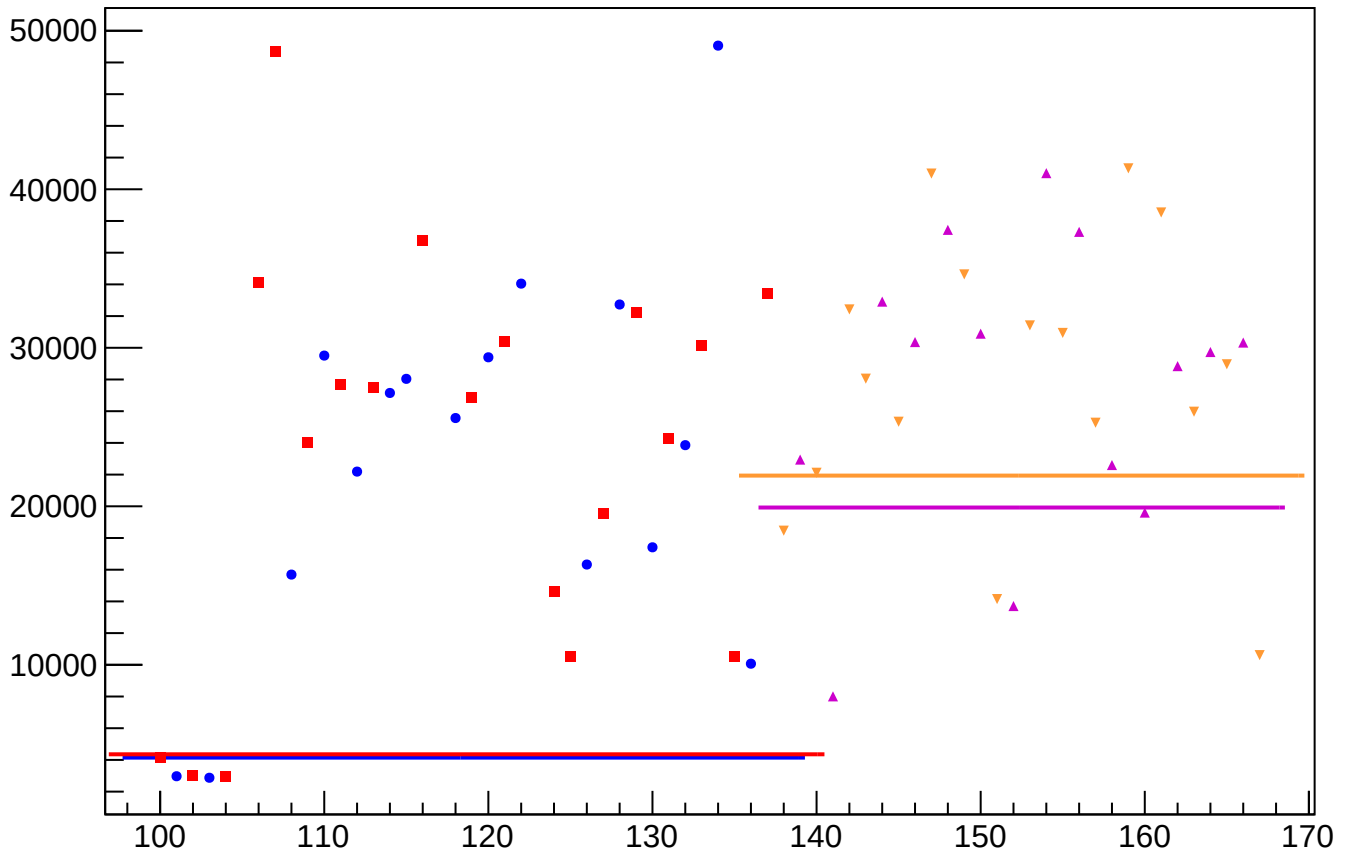
Left In: -6.678 ± 7.291 χ^2/NDF : 11.0/13

+ sign -6.792 ± 2.363 χ^2/NDF : 40.6/31

All: -2.733 ± 1.711 χ^2/NDF : 92.0/64

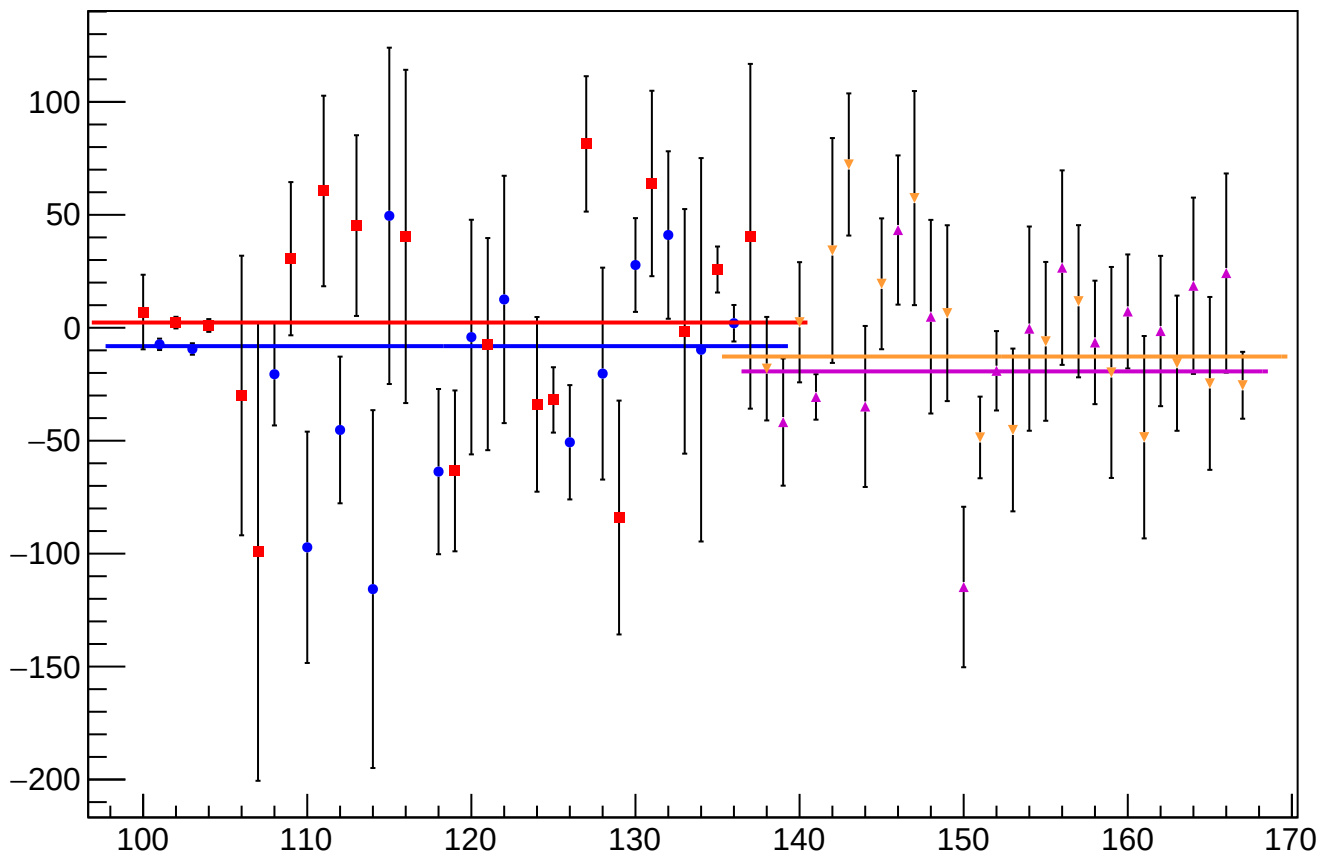
- sign 1.744 ± 2.482 χ^2/NDF : 45.2/32

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767	χ^2/NDF : 6836950.5/15	+ sign 6033.128+/-1.671	χ^2/NDF : 20769706.3/31
Left Out: 21936.995+/-5.130	χ^2/NDF : 3182428.6/15	All: 6092.636+/-1.210	χ^2/NDF : 40412338.9/6
Right Out: 4354.437+/-1.866	χ^2/NDF : 7624762.5/18	- sign 6158.282+/-1.755	χ^2/NDF : 19639965.1/32
Left In: 19922.592+/-5.156	χ^2/NDF : 3953961.9/13		

diff_bpm0l03Y_mean vs Slug



Right In: -8.132 ± 1.720 χ^2/NDF : 19.1/15

Left Out: -12.733 ± 7.094 χ^2/NDF : 19.1/15

Right Out: 2.325 ± 1.822 χ^2/NDF : 33.1/18

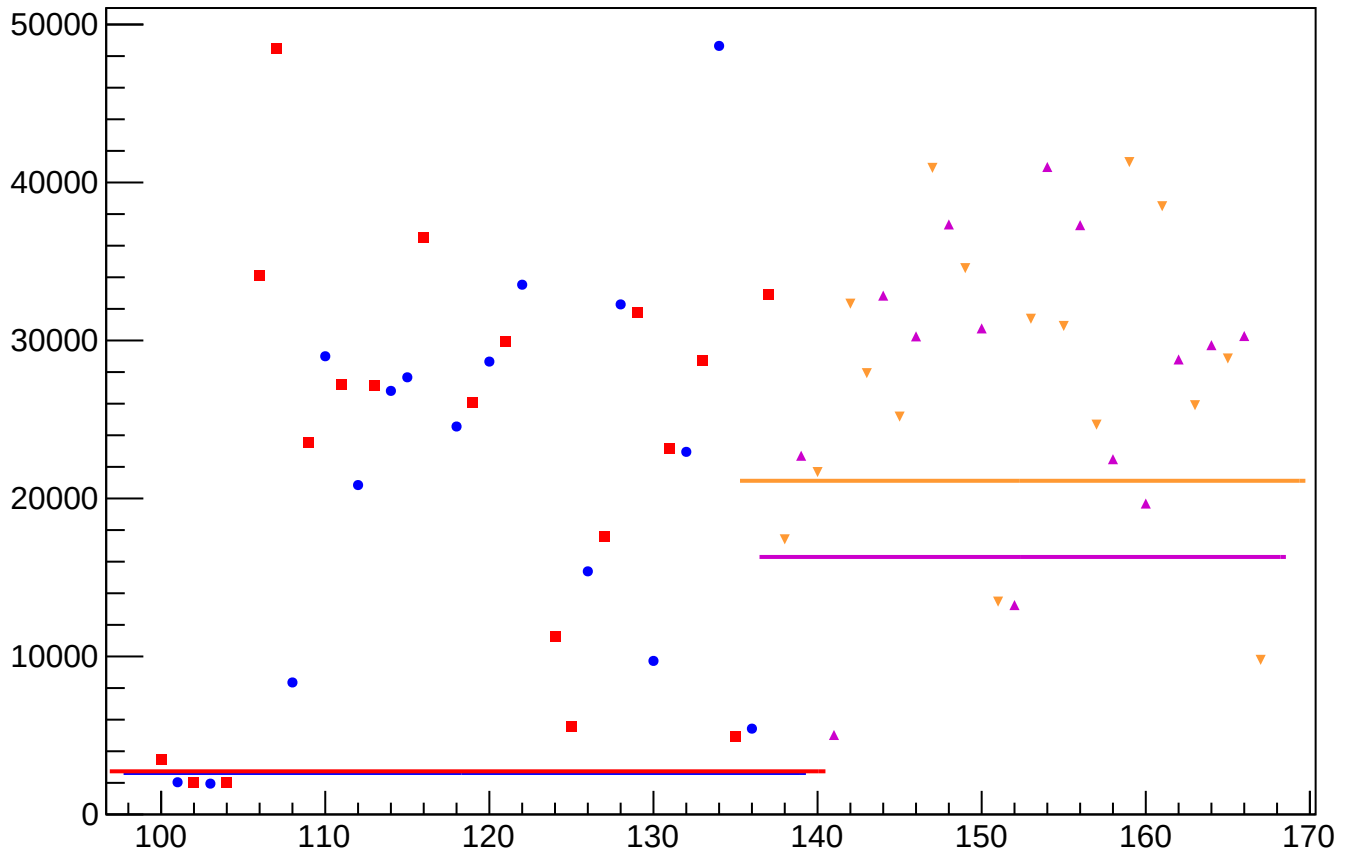
Left In: -19.315 ± 6.534 χ^2/NDF : 18.1/13

+ sign -8.388 ± 1.672 χ^2/NDF : 38.6/31

All: -4.033 ± 1.210 χ^2/NDF : 114.1/64

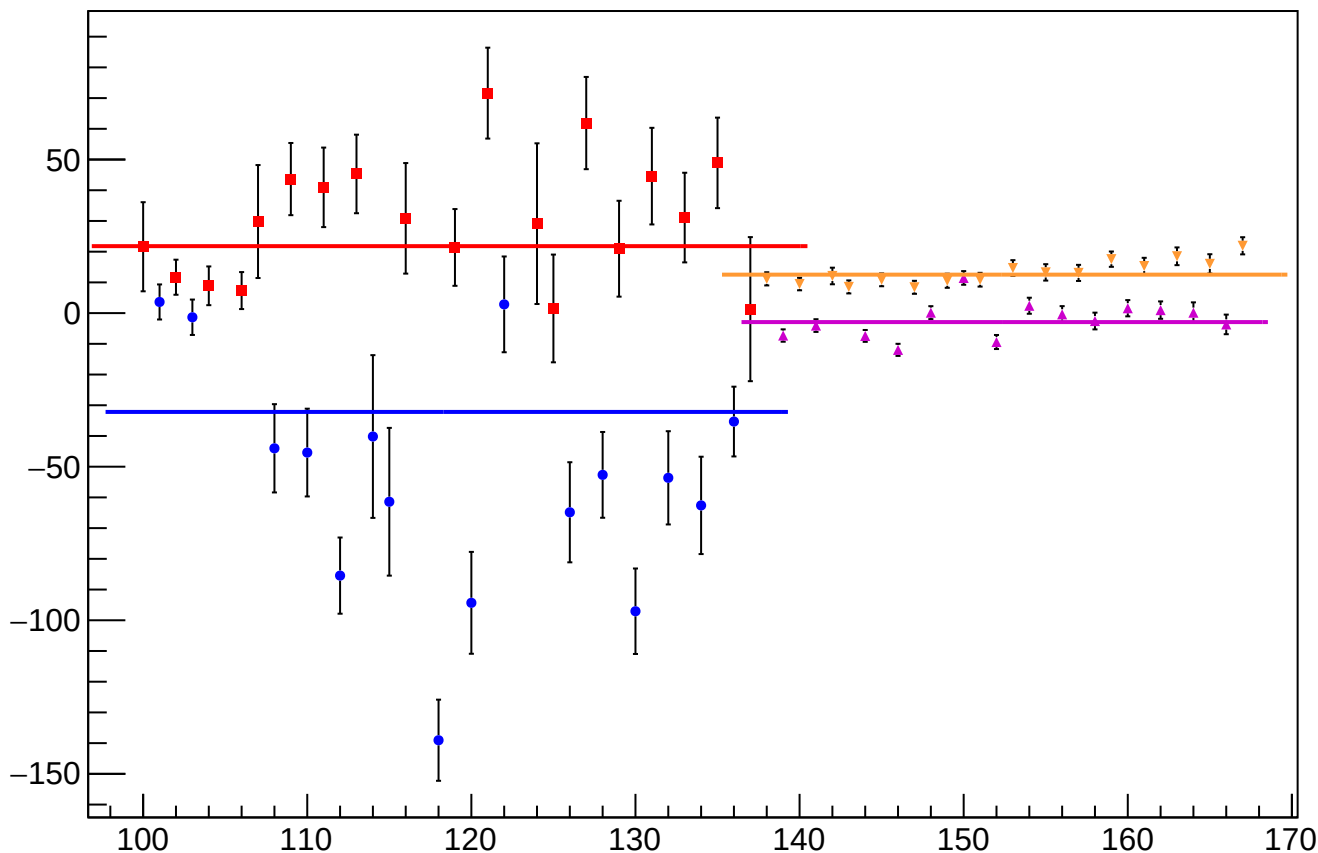
- sign 0.764 ± 1.755 χ^2/NDF : 61.3/32

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430+/-1.216	χ^2/NDF : 6780884.6/15	+ sign 3653.529+/-1.182	χ^2/NDF : 23168990.5/31
Left Out: 21119.742+/-5.017	χ^2/NDF : 3552893.0/15	All: 3679.860+/-0.856	χ^2/NDF : 45361153.9/6
Right Out: 2730.235+/-1.288	χ^2/NDF : 7985984.4/18	- sign 3708.863+/-1.241	χ^2/NDF : 22191121.1/32
Left In: 16298.616+/-4.620	χ^2/NDF : 6202354.8/13		

diff_bpm0l04X_mean vs Slug



Right In: -32.171 ± 2.842 χ^2/NDF : 207.8/15

Left Out: 12.522 ± 0.604 χ^2/NDF : 34.8/15

Right Out: 21.801 ± 2.557 χ^2/NDF : 49.1/18

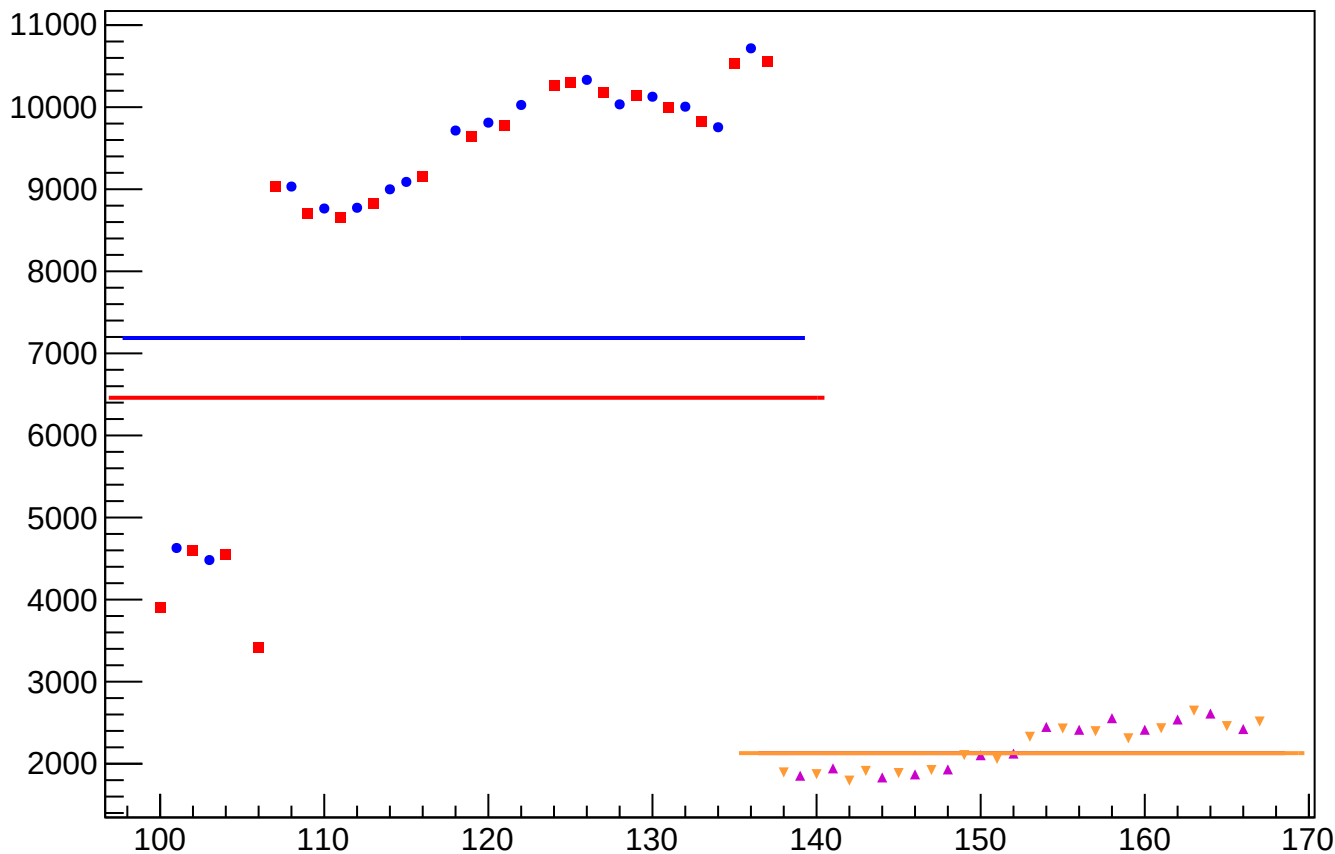
Left In: -2.922 ± 0.632 χ^2/NDF : 94.3/13

+ sign 10.592 ± 0.591 χ^2/NDF : 479.2/31

All: 4.782 ± 0.426 χ^2/NDF : 912.0/64

- sign -1.497 ± 0.614 χ^2/NDF : 231.5/32

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF : 1705887.0/15

Left Out: 2129.296+/-0.427 χ^2/NDF : 373634.5/15

Right Out: 6459.323+/-1.808 χ^2/NDF : 2276337.9/18

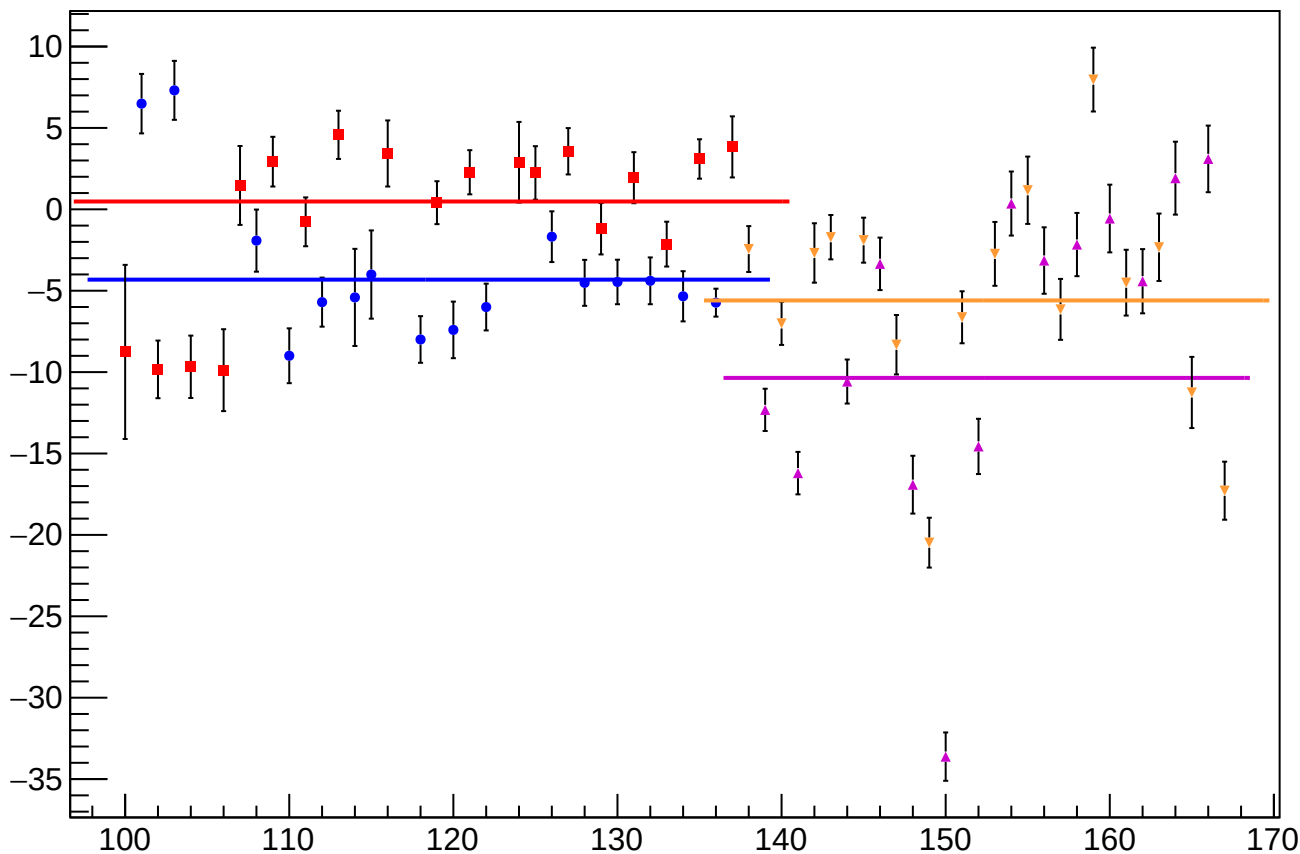
Left In: 2129.606+/-0.447 χ^2/NDF : 377865.7/13

+ sign 2347.758+/-0.418 χ^2/NDF : 8142180.4/31

All: 2362.847+/-0.301 χ^2/NDF : 16201601.0/6

- sign 2379.155+/-0.434 χ^2/NDF : 8056703.8/32

diff_bpm0l04Y_mean vs Slug



Right In: -4.319 ± 0.380 χ^2/NDF : 103.7/15

Left Out: -5.598 ± 0.423 χ^2/NDF : 234.3/15

Right Out: 0.481 ± 0.379 χ^2/NDF : 117.2/18

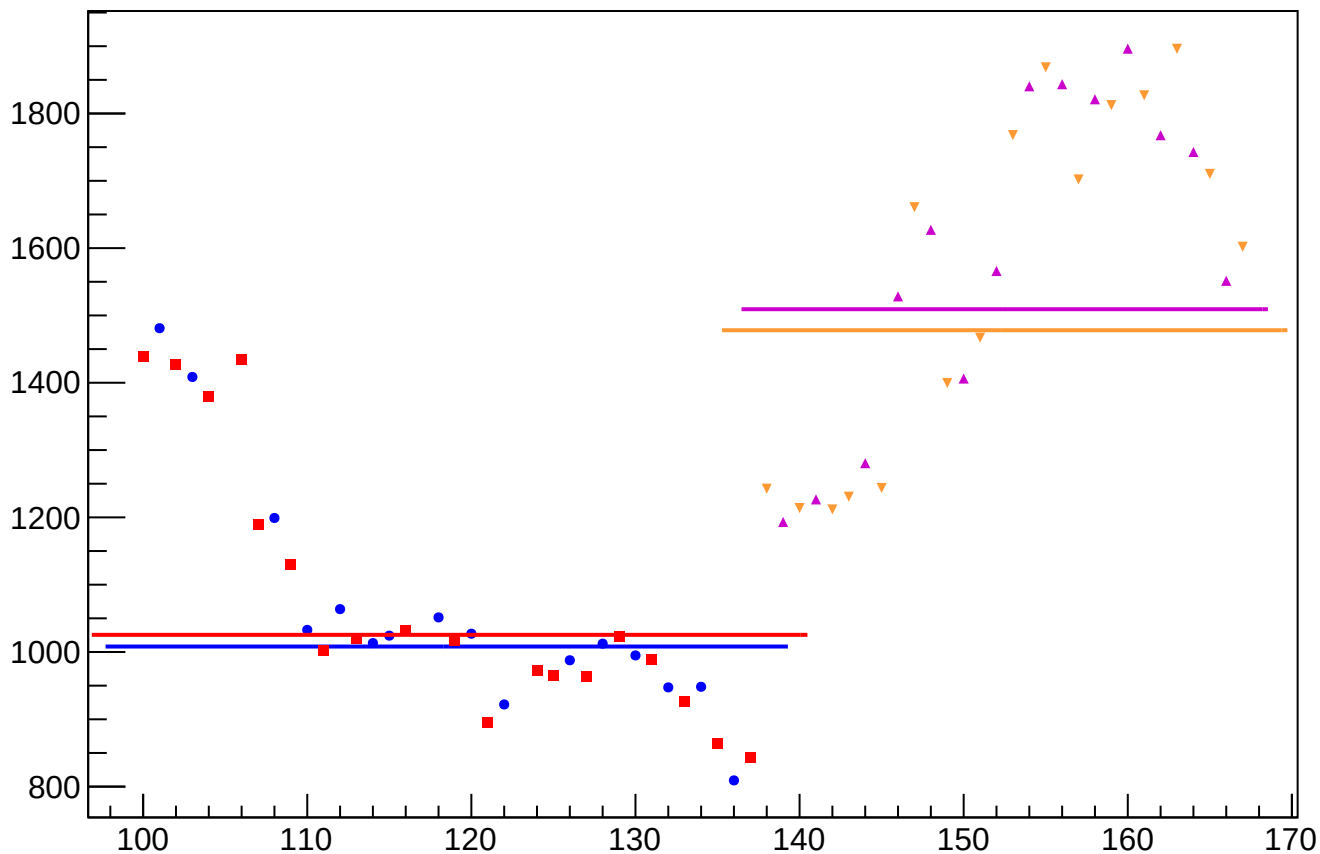
Left In: -10.356 ± 0.451 χ^2/NDF : 470.7/13

+ sign -4.890 ± 0.282 χ^2/NDF : 343.1/31

All: -4.457 ± 0.202 χ^2/NDF : 1274.6/64

- sign -4.001 ± 0.290 χ^2/NDF : 926.7/32

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF : 378836.2/15

Left Out: 1478.045+/-0.299 χ^2/NDF : 702358.7/15

Right Out: 1025.486+/-0.268 χ^2/NDF : 345991.2/18

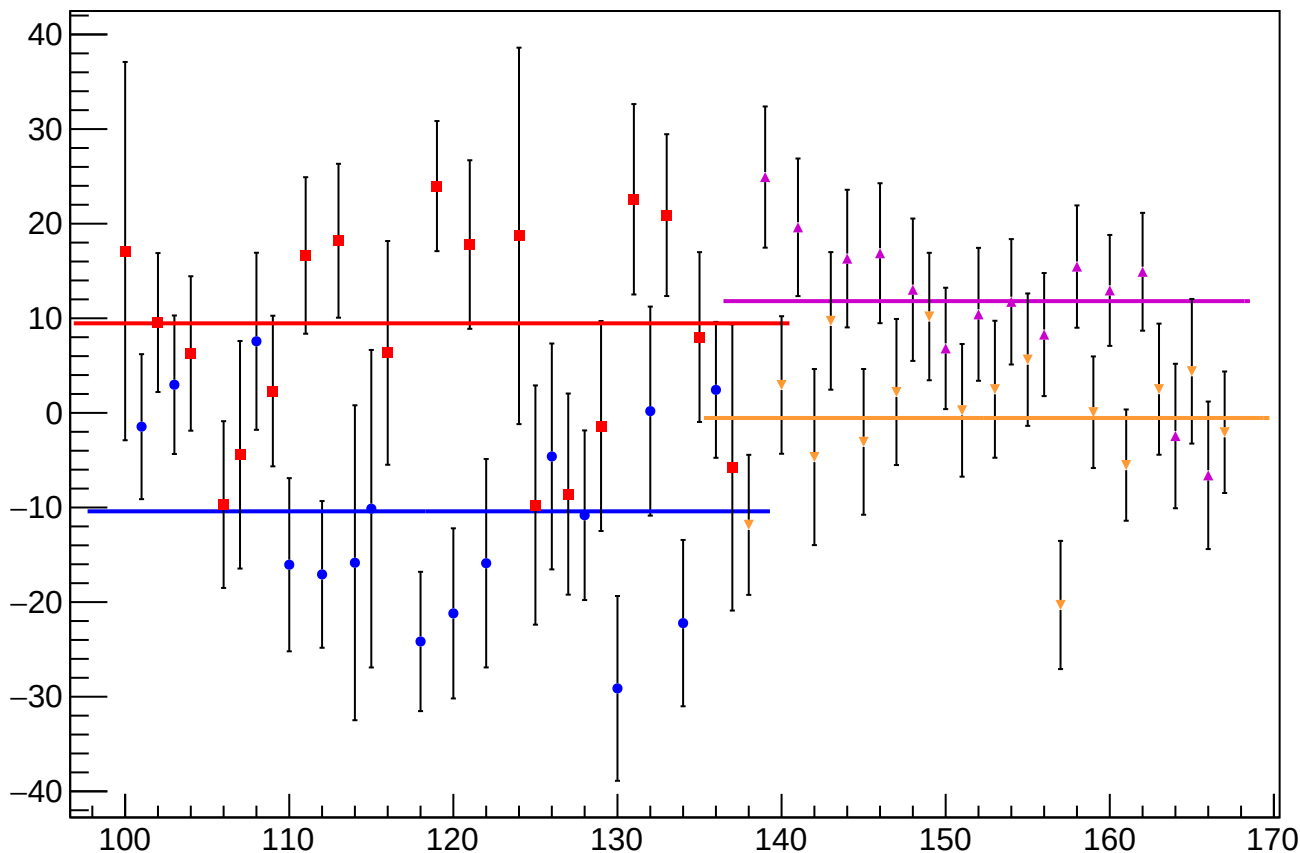
Left In: 1509.264+/-0.319 χ^2/NDF : 578618.6/13

+ sign 1217.994+/-0.200 χ^2/NDF : 2449080.8/31

All: 1221.692+/-0.143 χ^2/NDF : 4724718.4/64

- sign 1225.589+/-0.205 χ^2/NDF : 2274933.7/32

diff_bpm0l05X_mean vs Slug



Right In: -10.404 ± 2.280 χ^2/NDF : 24.6/15

Left Out: -0.537 ± 1.755 χ^2/NDF : 18.4/15

Right Out: 9.467 ± 2.191 χ^2/NDF : 25.4/18

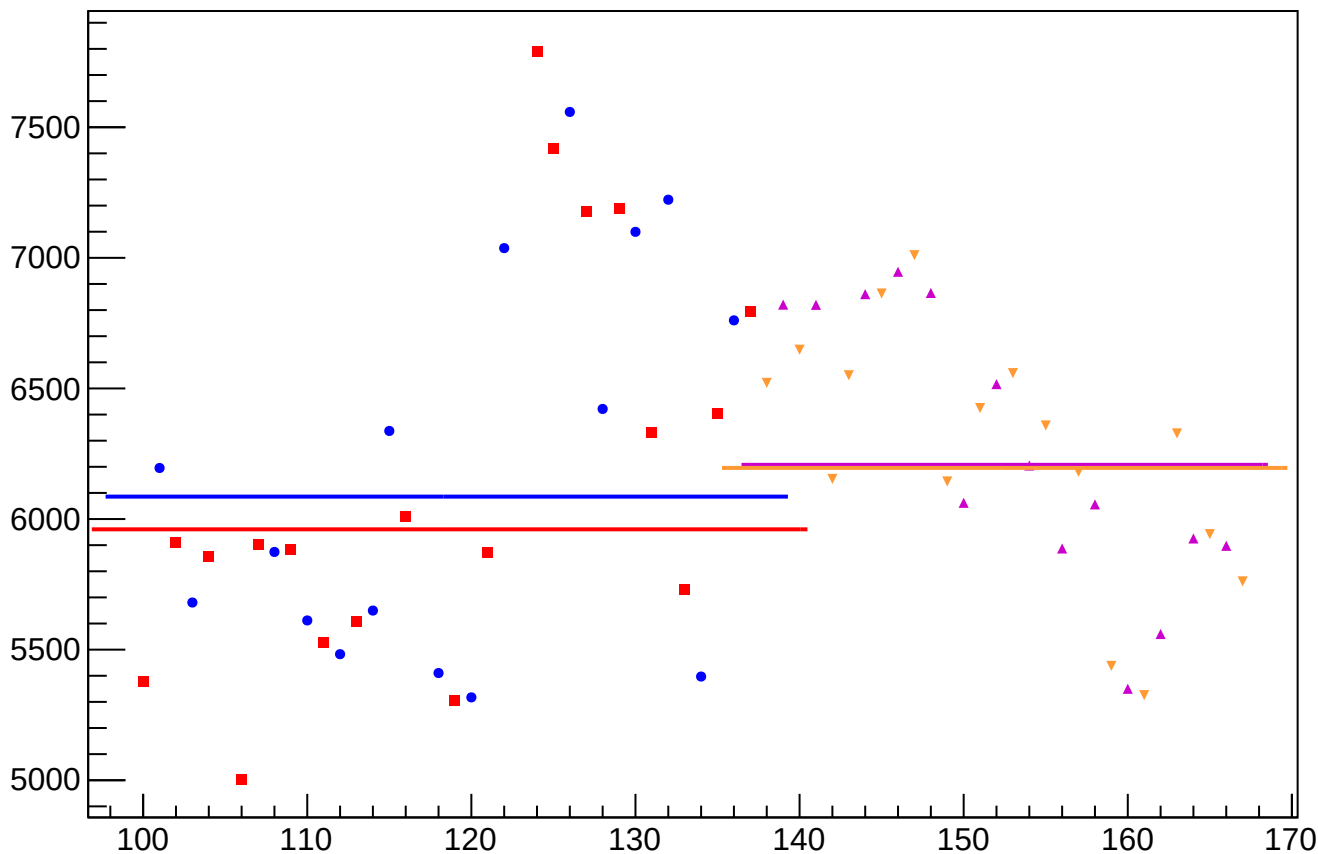
Left In: 11.813 ± 1.841 χ^2/NDF : 15.7/13

+ sign -4.207 ± 1.391 χ^2/NDF : 54.8/31

All: 3.216 ± 0.990 χ^2/NDF : 154.3/64

- sign 10.842 ± 1.409 χ^2/NDF : 41.7/32

diff_bpm0l05X_rms vs Slug



Right In: 6085.873+/-1.612 χ^2/NDF : 179118.8/15

Left Out: 6195.779+/-1.241 χ^2/NDF : 150943.5/15

Right Out: 5960.613+/-1.549 χ^2/NDF : 162772.6/18

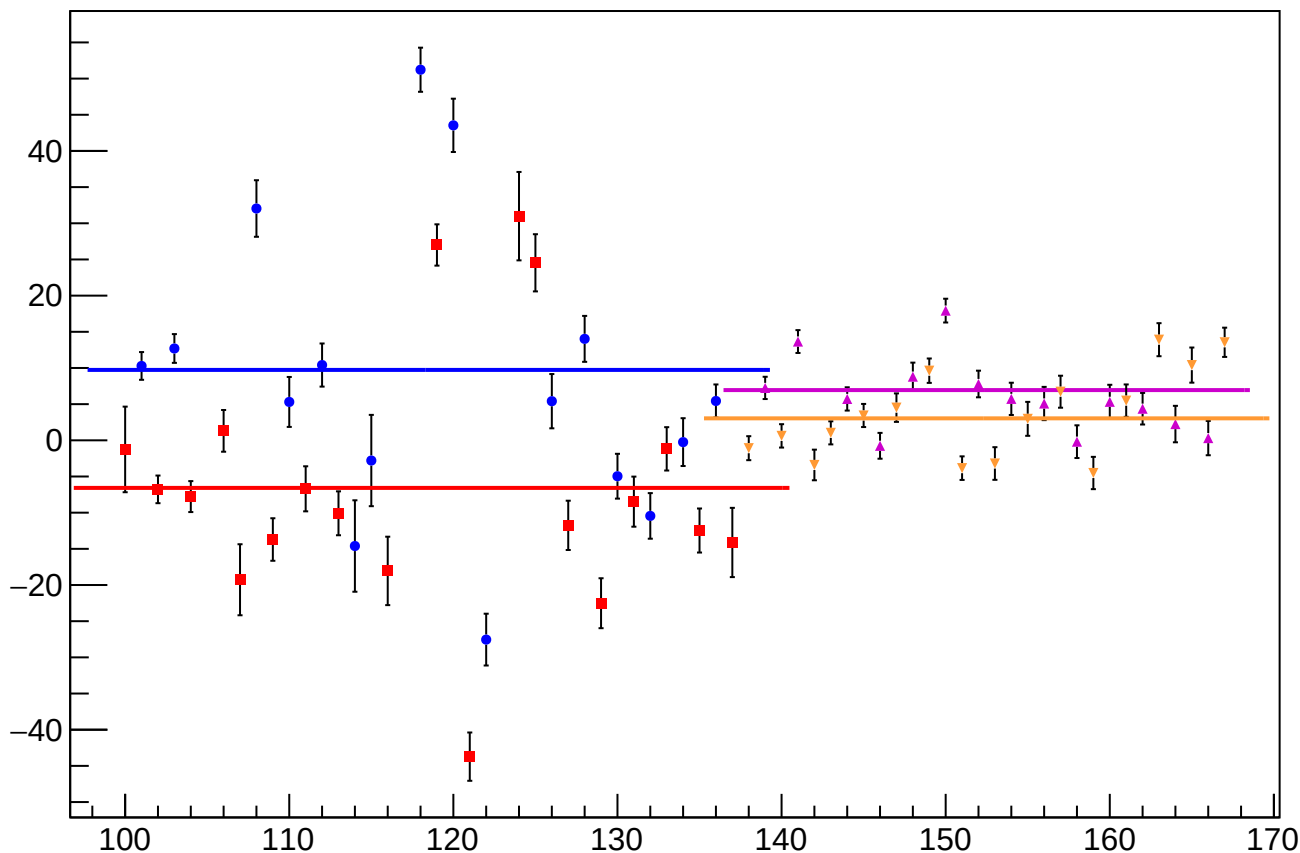
Left In: 6207.526+/-1.302 χ^2/NDF : 160260.4/13

+ sign 6154.896+/-0.983 χ^2/NDF : 332980.9/31

All: 6130.454+/-0.700 χ^2/NDF : 672156.5/64

- sign 6105.344+/-0.997 χ^2/NDF : 337922.9/32

diff_bpm0l05Y_mean vs Slug



Right In: 9.733 ± 0.755 χ^2/NDF : 512.4/15

Left Out: 3.037 ± 0.481 χ^2/NDF : 135.0/15

Right Out: -6.576 ± 0.730 χ^2/NDF : 423.8/18

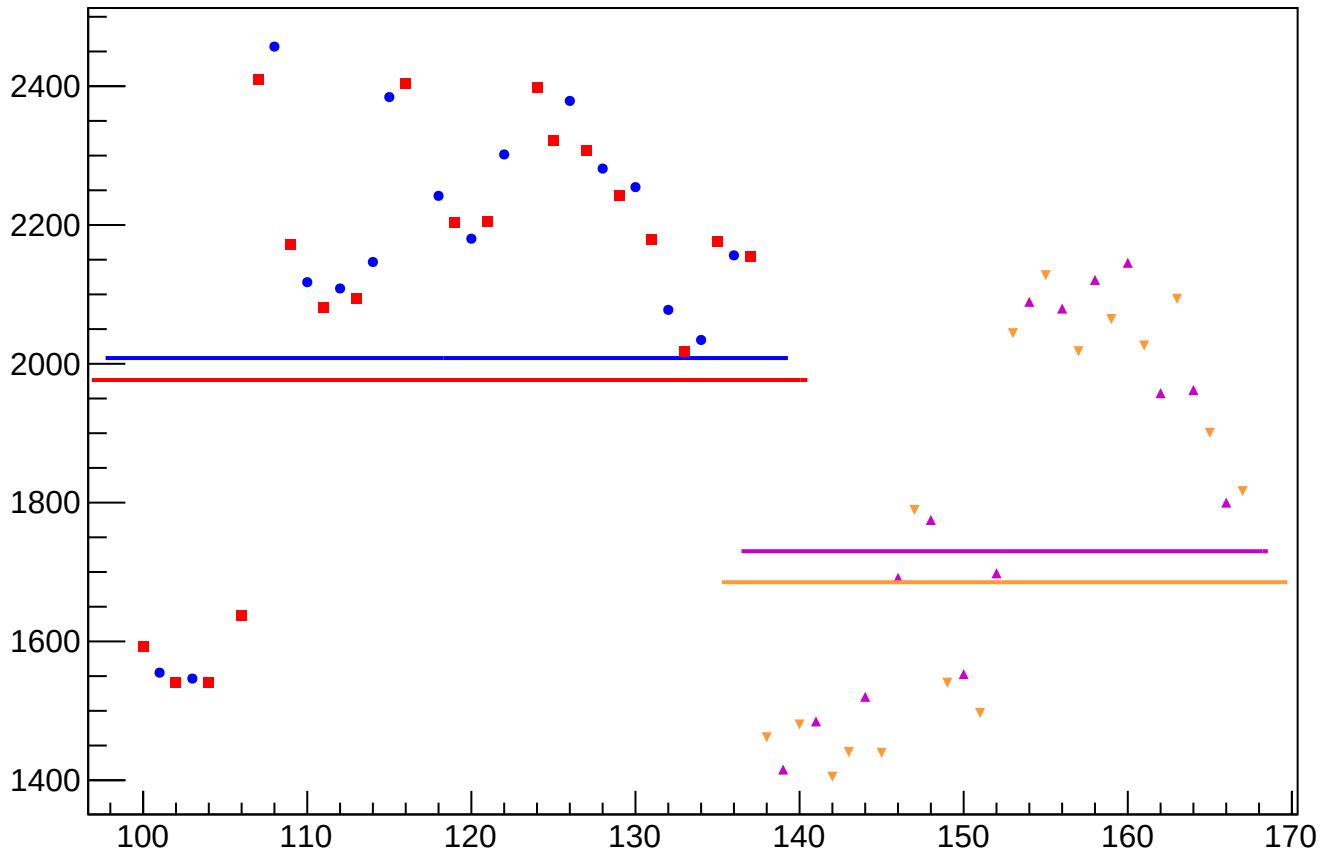
Left In: 6.944 ± 0.515 χ^2/NDF : 107.2/13

+ sign 4.968 ± 0.405 χ^2/NDF : 703.3/31

All: 3.757 ± 0.292 χ^2/NDF : 1481.6/64

- sign 2.451 ± 0.421 χ^2/NDF : 759.8/32

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296 $\pm$ 0.534 χ^2 /NDF: 344387.2/15

Left Out: 1685.268 $\pm$ 0.340 χ^2 /NDF: 604220.1/15

Right Out: 1976.677 $\pm$ 0.516 χ^2 /NDF: 365375.1/18

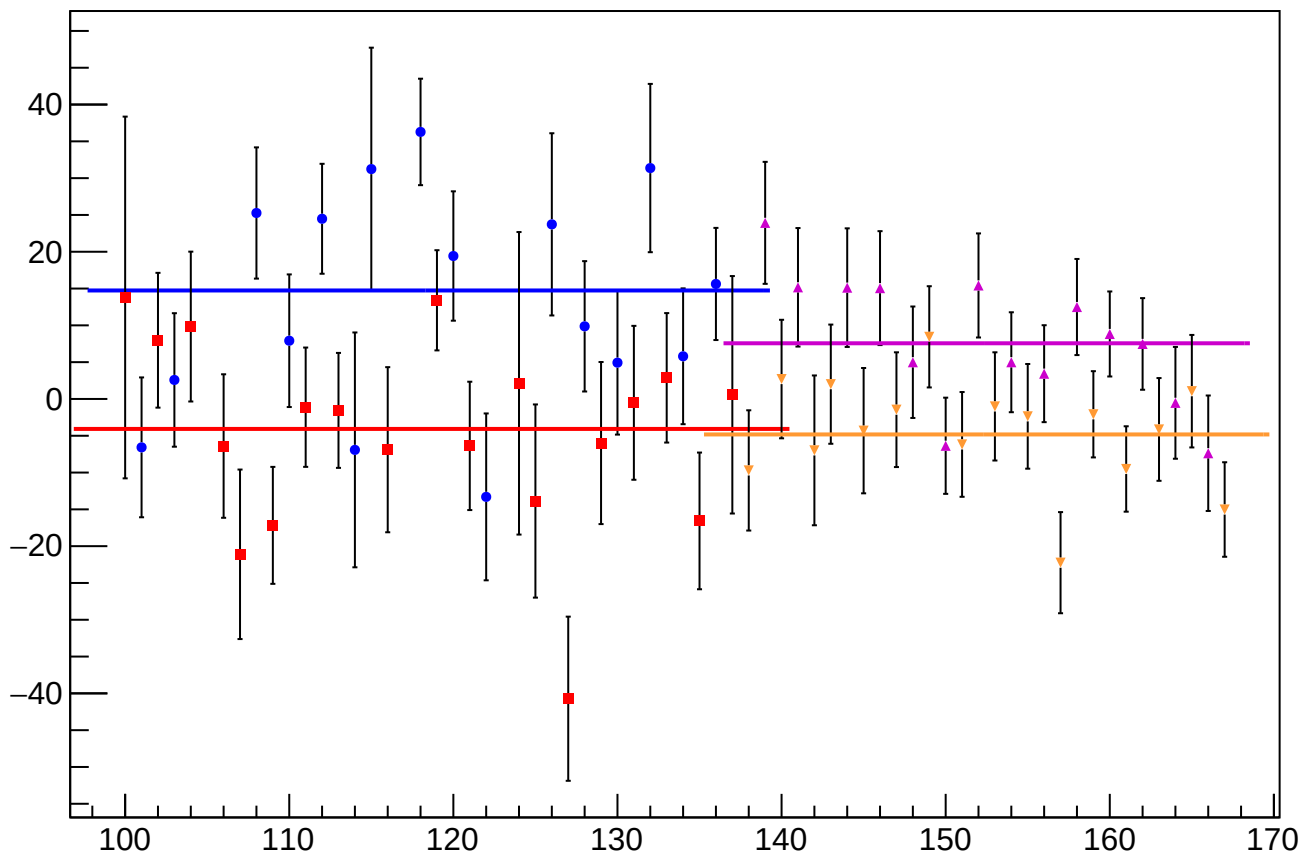
Left In: 1729.966 $\pm$ 0.364 χ^2 /NDF: 452660.9/13

+ sign 1778.428 $\pm$ 0.287 χ^2 /NDF: 1209188.0/31

All: 1794.557 $\pm$ 0.206 χ^2 /NDF: 2186188.2/64

- sign 1811.951 $\pm$ 0.298 χ^2 /NDF: 970420.6/32

diff_bpm0l06X_mean vs Slug



Right In: 14.739 ± 2.358 χ^2/NDF : 33.5/15

Left Out: -4.822 ± 1.806 χ^2/NDF : 16.7/15

Right Out: -4.072 ± 2.274 χ^2/NDF : 30.2/18

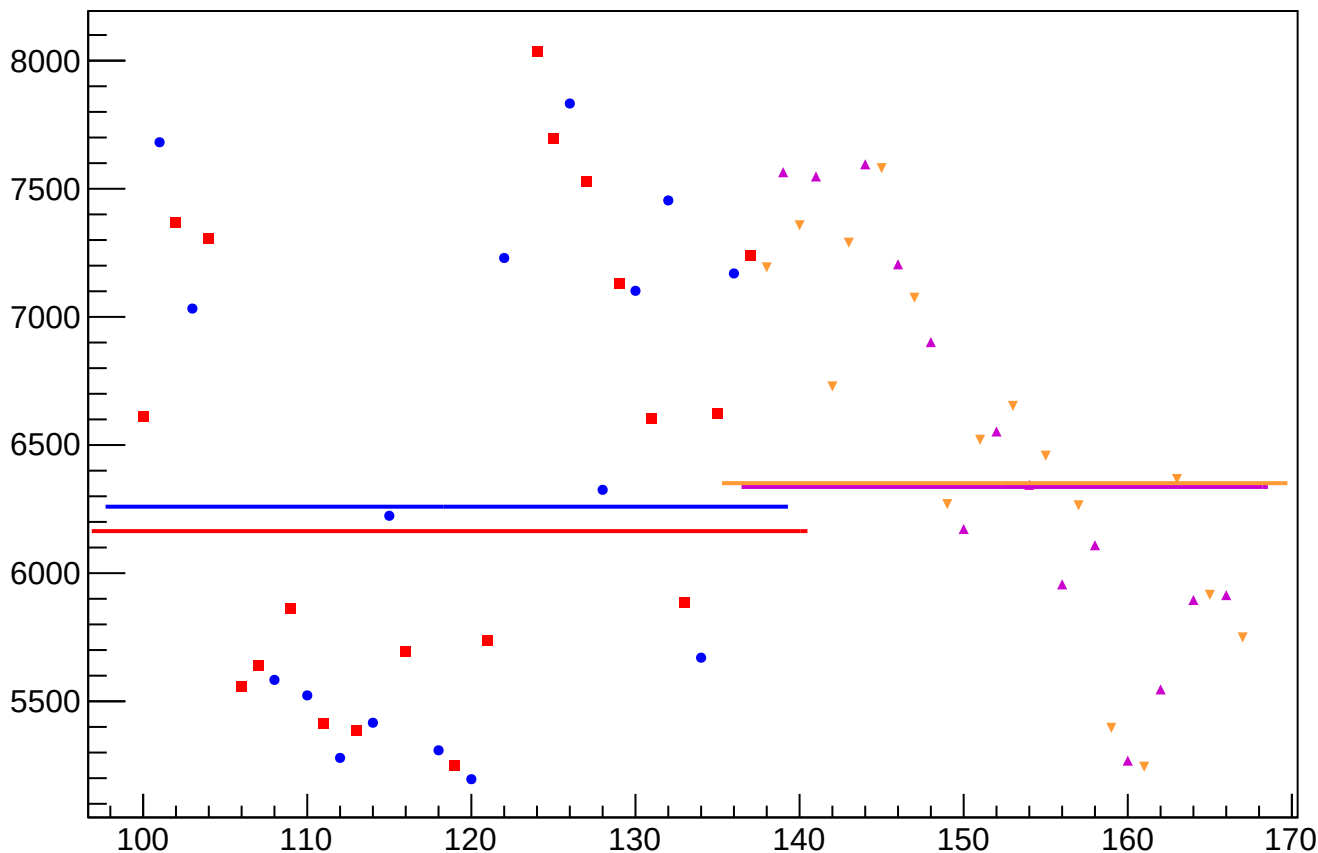
Left In: 7.565 ± 1.888 χ^2/NDF : 18.4/13

+ sign 2.411 ± 1.434 χ^2/NDF : 93.7/31

All: 2.611 ± 1.020 χ^2/NDF : 157.8/64

- sign 2.816 ± 1.453 χ^2/NDF : 64.1/32

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF : 308606.8/15

Left Out: 6351.239+/-1.277 χ^2/NDF : 296566.3/15

Right Out: 6164.140+/-1.608 χ^2/NDF : 265058.6/18

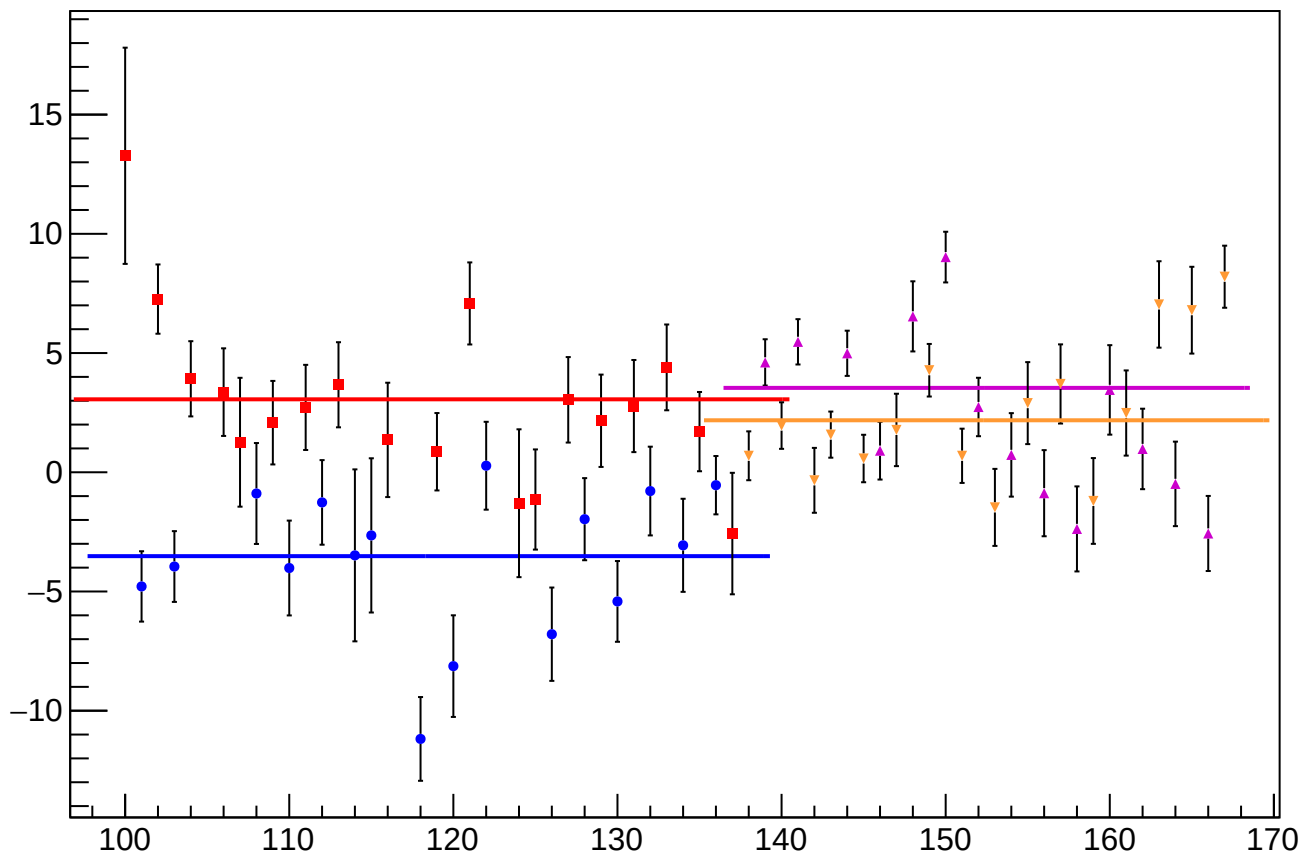
Left In: 6336.414+/-1.335 χ^2/NDF : 299772.3/13

+ sign 6317.288+/-1.014 χ^2/NDF : 607085.2/31

All: 6292.035+/-0.721 χ^2/NDF : 1179969.5/64

- sign 6266.110+/-1.027 χ^2/NDF : 571626.6/32

diff_bpm0l06Y_mean vs Slug



Right In: -3.518 ± 0.452 $\chi^2/\text{NDF}: 45.1/15$

Left Out: 2.180 ± 0.324 $\chi^2/\text{NDF}: 58.7/15$

Right Out: 3.059 ± 0.438 $\chi^2/\text{NDF}: 34.8/18$

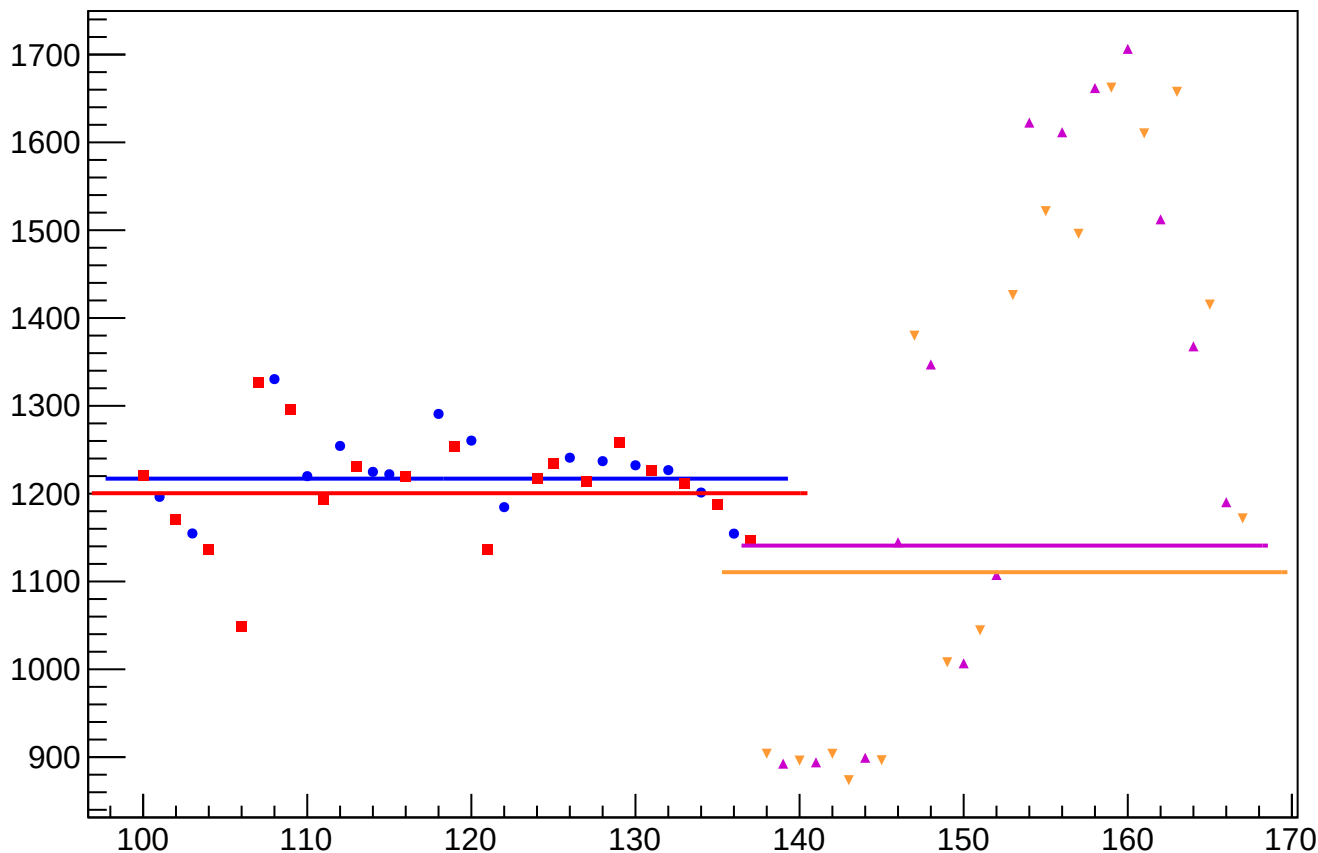
Left In: 3.539 ± 0.347 $\chi^2/\text{NDF}: 85.7/13$

+ sign 0.252 ± 0.263 $\chi^2/\text{NDF}: 208.7/31$

All: 1.750 ± 0.189 $\chi^2/\text{NDF}: 397.1/64$

- sign 3.354 ± 0.272 $\chi^2/\text{NDF}: 121.2/32$

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF : 21686.7/15

Left Out: 1110.588+/-0.229 χ^2/NDF : 1409517.1/15

Right Out: 1200.497+/-0.310 χ^2/NDF : 37654.3/18

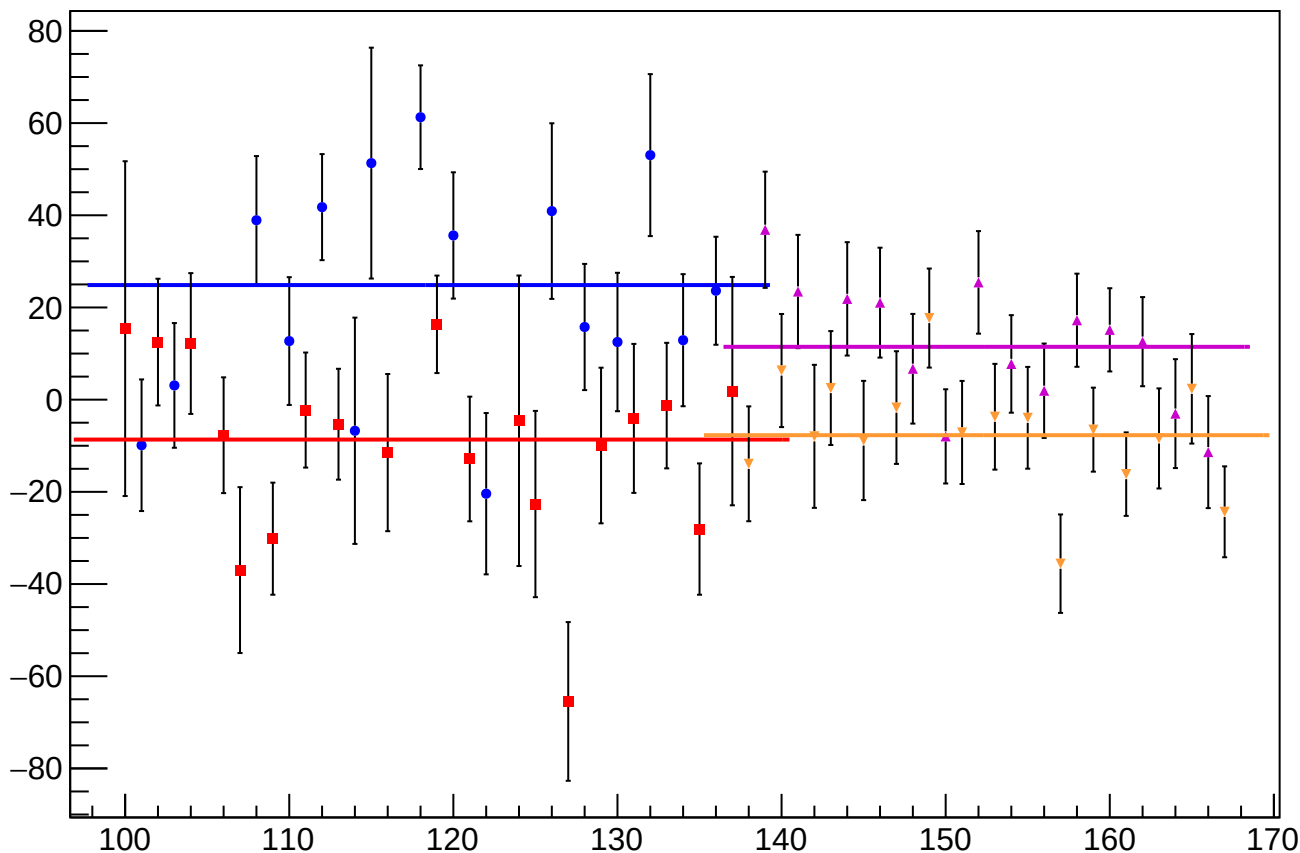
Left In: 1140.858+/-0.246 χ^2/NDF : 1239696.6/13

+ sign 1146.628+/-0.186 χ^2/NDF : 1504540.8/31

All: 1154.956+/-0.134 χ^2/NDF : 2808774.7/64

- sign 1163.872+/-0.193 χ^2/NDF : 1300086.5/32

diff_bpm0l07X_mean vs Slug



Right In: 24.860 ± 3.628 $\chi^2/\text{NDF}: 38.1/15$

Left Out: -7.708 ± 2.797 $\chi^2/\text{NDF}: 19.6/15$

Right Out: -8.658 ± 3.454 $\chi^2/\text{NDF}: 30.1/18$

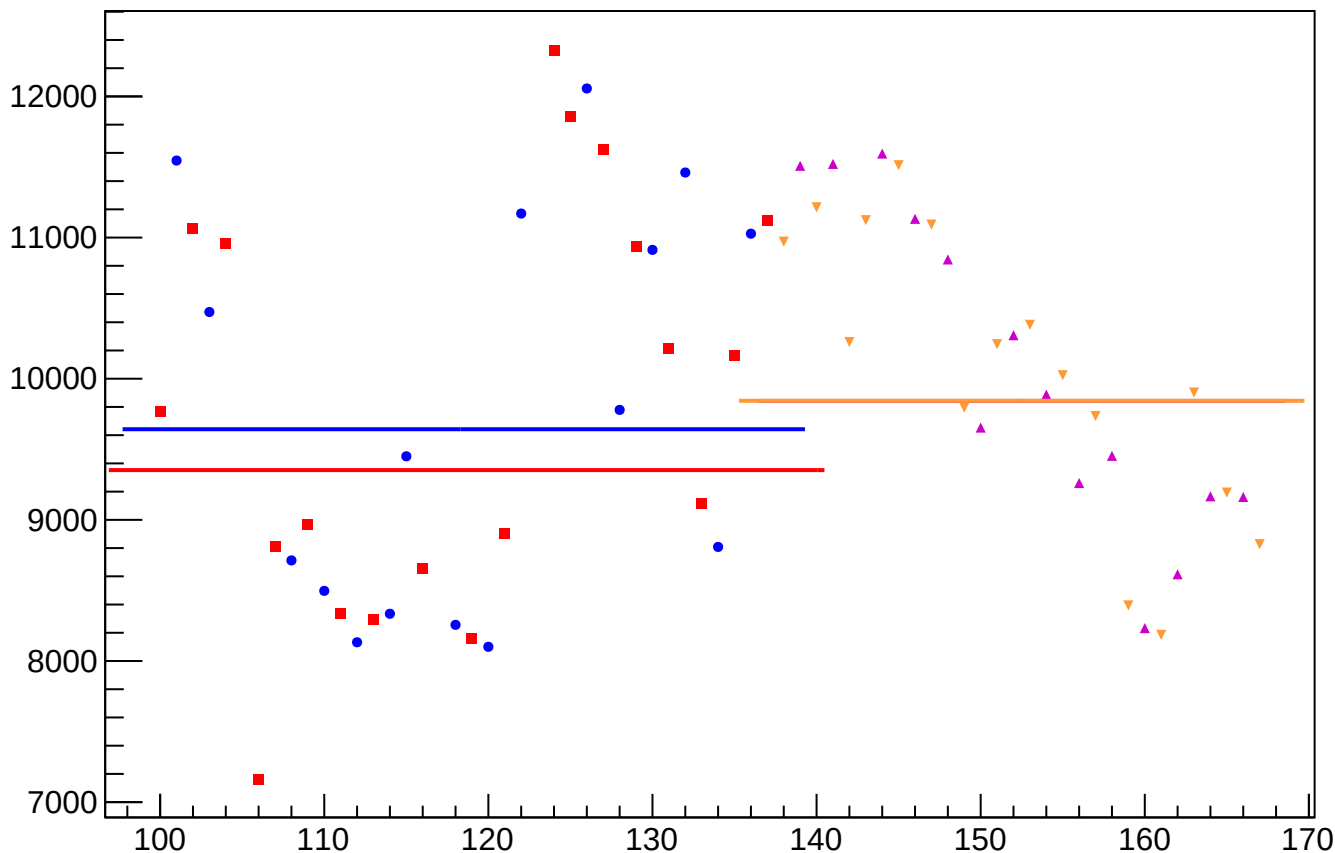
Left In: 11.462 ± 2.930 $\chi^2/\text{NDF}: 18.3/13$

+ sign 4.436 ± 2.215 $\chi^2/\text{NDF}: 108.3/31$

All: 3.744 ± 1.573 $\chi^2/\text{NDF}: 176.6/64$

- sign 3.040 ± 2.234 $\chi^2/\text{NDF}: 68.1/32$

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF : 279657.4/15

Left Out: 9843.573+/-1.978 χ^2/NDF : 271120.5/15

Right Out: 9352.503+/-2.442 χ^2/NDF : 301779.3/18

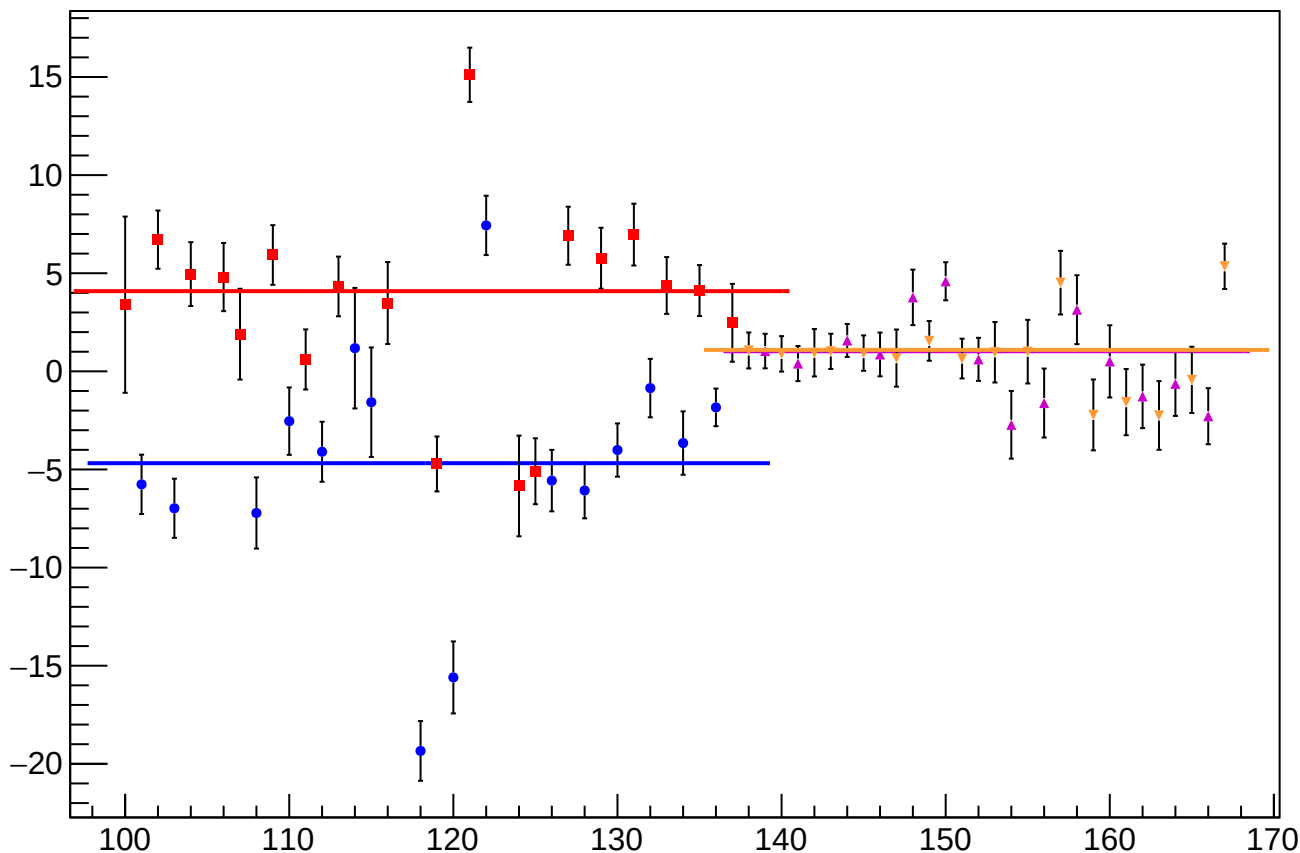
Left In: 9842.584+/-2.072 χ^2/NDF : 272813.9/13

+ sign 9768.440+/-1.566 χ^2/NDF : 554647.0/31

All: 9703.504+/-1.112 χ^2/NDF : 1156120.9/64

- sign 9637.442+/-1.580 χ^2/NDF : 598007.5/32

diff_bpm0l07Y_mean vs Slug



Right In: -4.681 ± 0.386 χ^2/NDF : 221.2/15

Left Out: 1.092 ± 0.298 χ^2/NDF : 29.0/15

Right Out: 4.087 ± 0.376 χ^2/NDF : 168.1/18

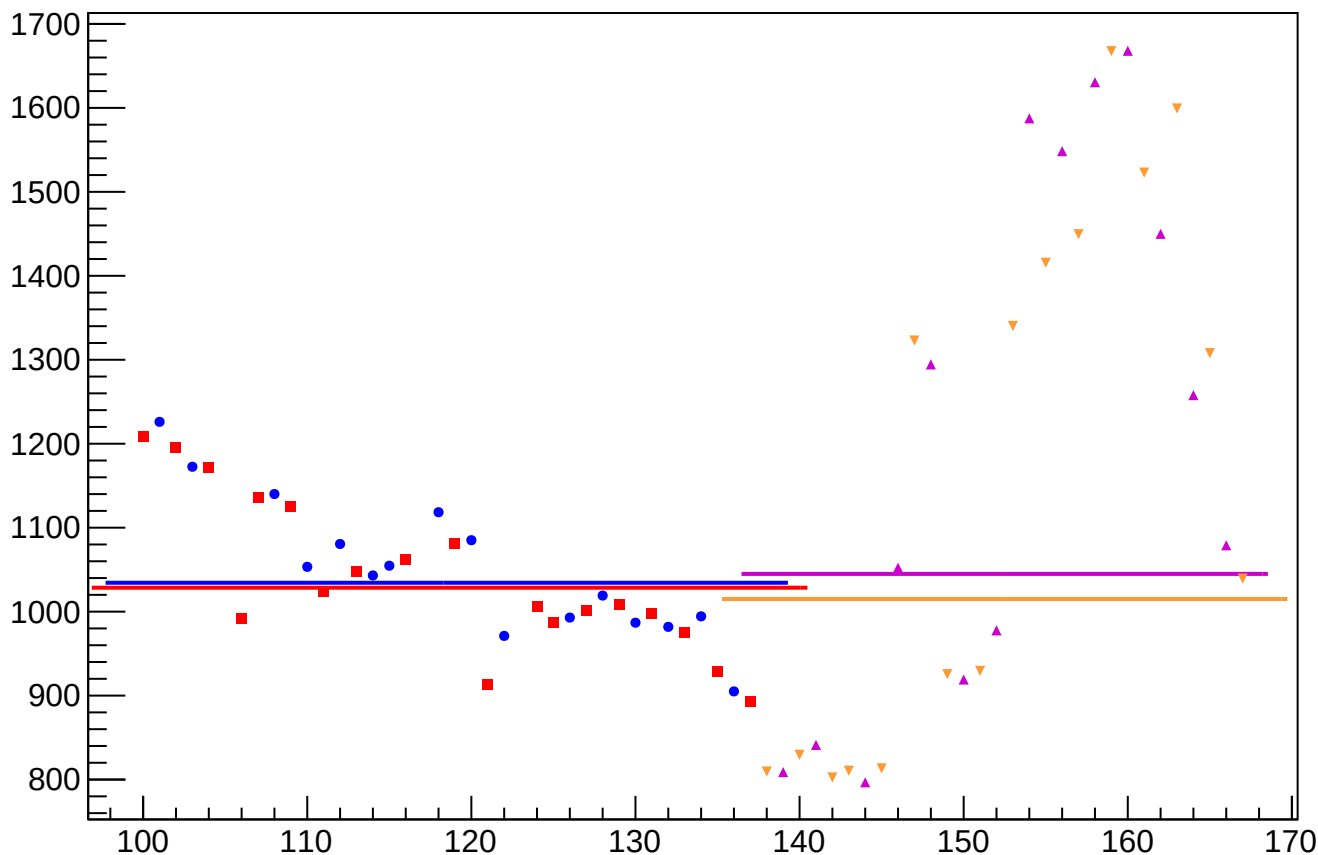
Left In: 1.024 ± 0.321 χ^2/NDF : 35.3/13

+ sign -1.066 ± 0.236 χ^2/NDF : 390.4/31

All: 0.565 ± 0.170 χ^2/NDF : 731.1/64

- sign 2.316 ± 0.244 χ^2/NDF : 241.6/32

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402 $\pm$ 0.273 χ^2 /NDF: 113278.6/15

Left Out: 1015.079 $\pm$ 0.211 χ^2 /NDF: 1650907.5/15

Right Out: 1028.501 $\pm$ 0.266 χ^2 /NDF: 101624.8/18

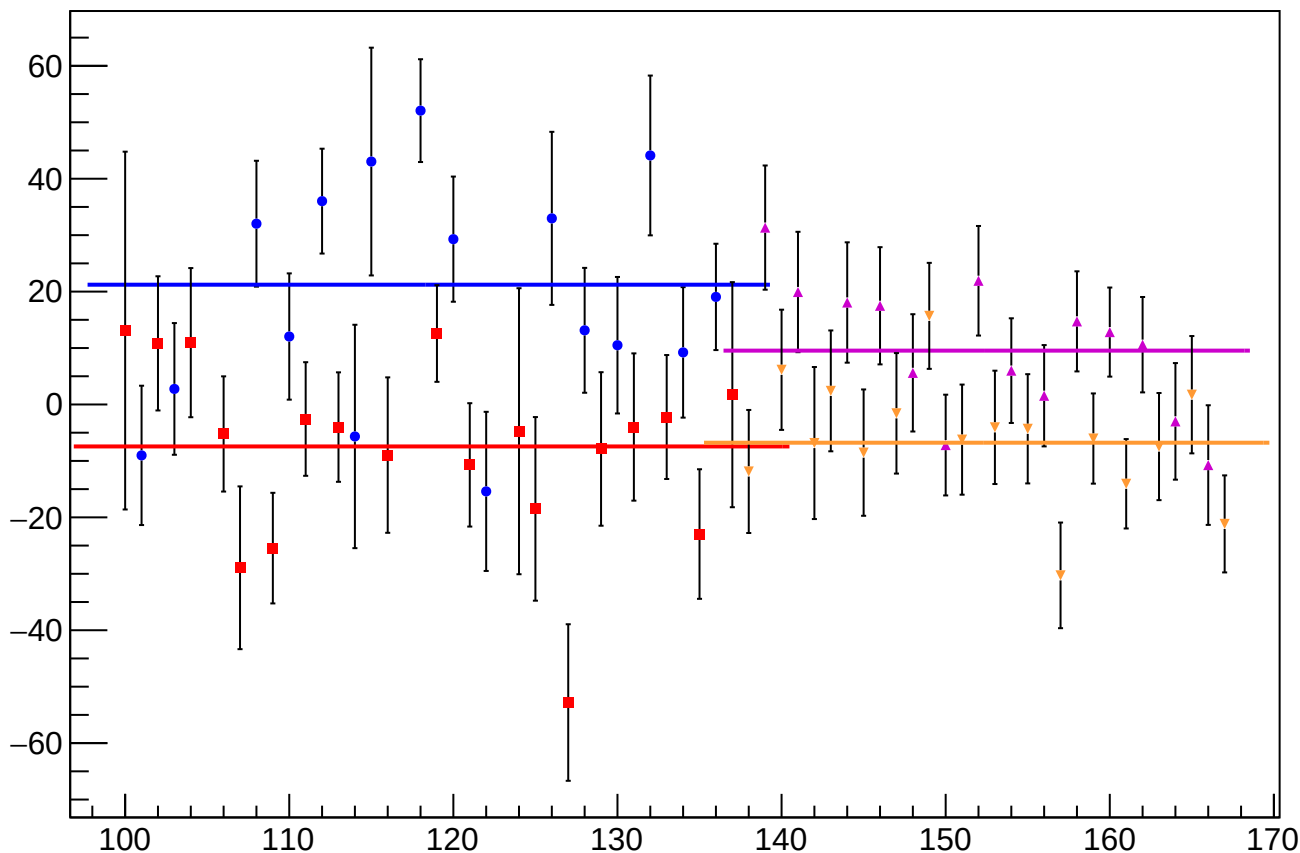
Left In: 1044.939 $\pm$ 0.227 χ^2 /NDF: 1500845.8/13

+ sign 1022.301 $\pm$ 0.167 χ^2 /NDF: 1767328.5/31

All: 1029.875 $\pm$ 0.120 χ^2 /NDF: 3376283.1/64

- sign 1038.008 $\pm$ 0.173 χ^2 /NDF: 1604677.0/32

diff_bpm0l08X_mean vs Slug



Right In: 21.222 ± 2.952 $\chi^2/\text{NDF}: 40.1/15$

Left Out: -6.773 ± 2.443 $\chi^2/\text{NDF}: 19.2/15$

Right Out: -7.435 ± 2.810 $\chi^2/\text{NDF}: 29.8/18$

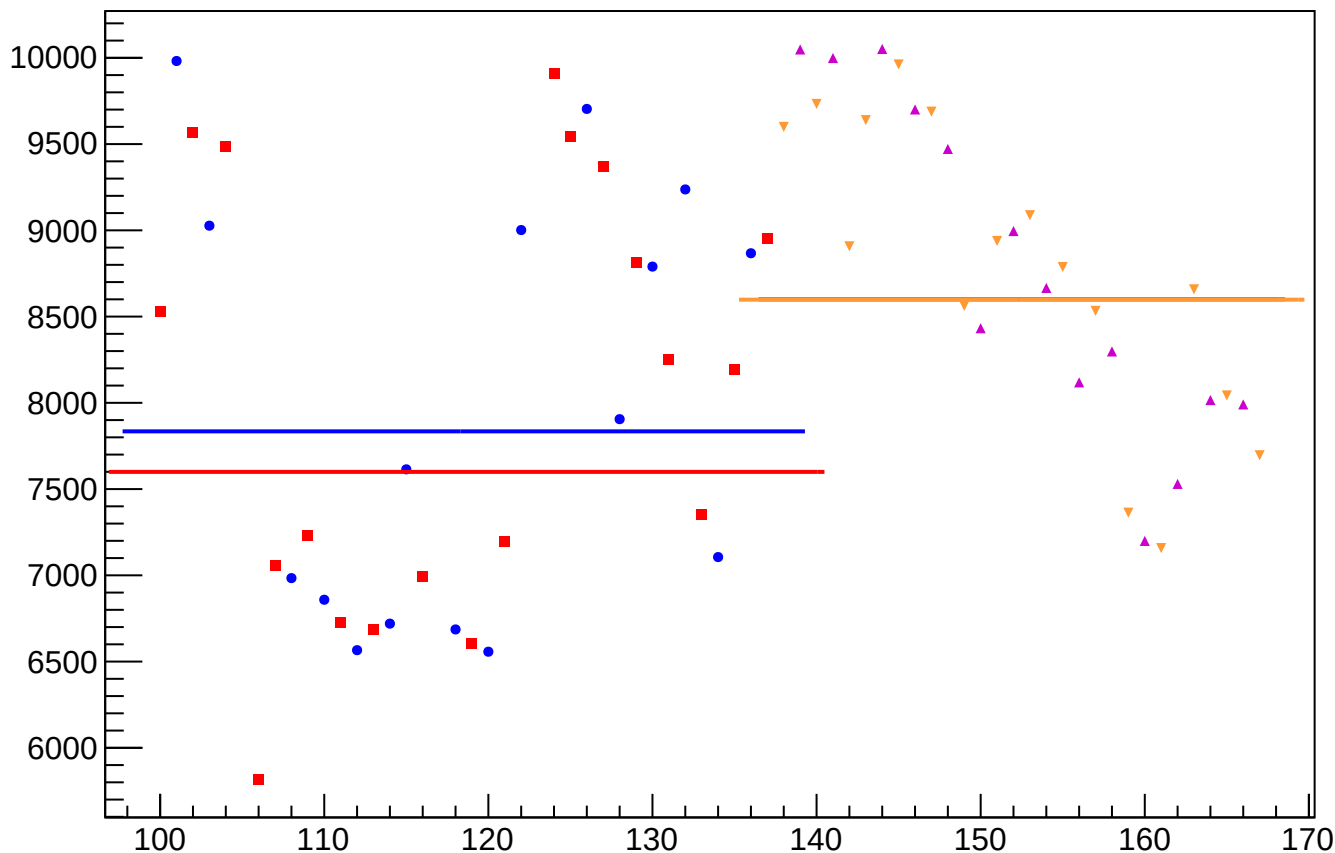
Left In: 9.541 ± 2.560 $\chi^2/\text{NDF}: 18.0/13$

+ sign 4.607 ± 1.882 $\chi^2/\text{NDF}: 112.7/31$

All: 3.233 ± 1.334 $\chi^2/\text{NDF}: 181.5/64$

- sign -1.844 ± 1.892 $\chi^2/\text{NDF}: 67.7/32$

diff_bpm0l08X_rms vs Slug



Right In: 7834.618 $\pm$ 2.087 χ^2 /NDF: 318089.6/15

Left Out: 8598.119 $\pm$ 1.727 χ^2 /NDF: 259859.9/15

Right Out: 7599.749 $\pm$ 1.987 χ^2 /NDF: 344296.8/18

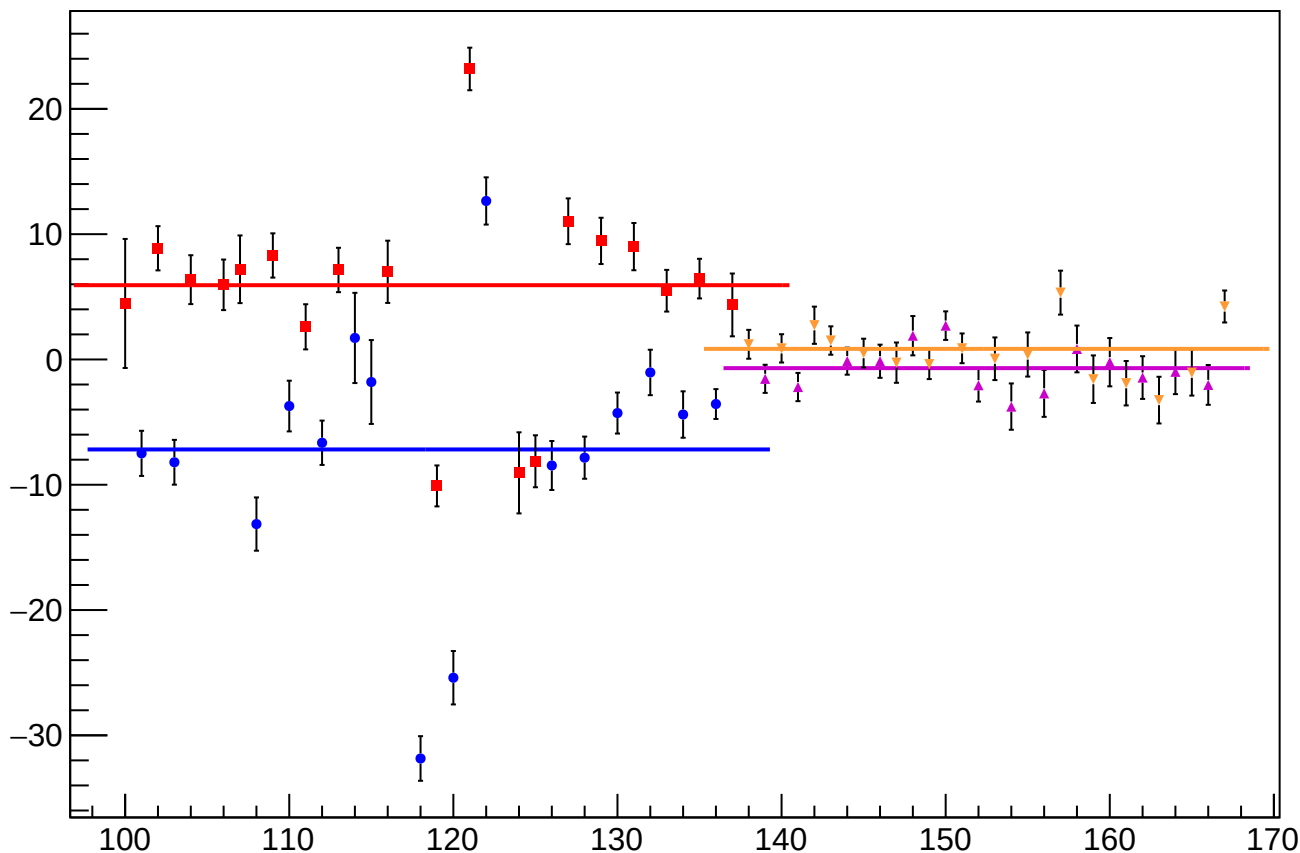
Left In: 8600.086 $\pm$ 1.810 χ^2 /NDF: 262919.6/13

+ sign 8287.763 $\pm$ 1.331 χ^2 /NDF: 657364.7/31

All: 8217.522 $\pm$ 0.944 χ^2 /NDF: 1408687.7/64

- sign 8146.501 $\pm$ 1.338 χ^2 /NDF: 745720.0/32

diff_bpm0l08Y_mean vs Slug



Right In: -7.183 ± 0.462 χ^2/NDF : 422.2/15

Left Out: 0.846 ± 0.351 χ^2/NDF : 27.4/15

Right Out: 5.927 ± 0.449 χ^2/NDF : 290.4/18

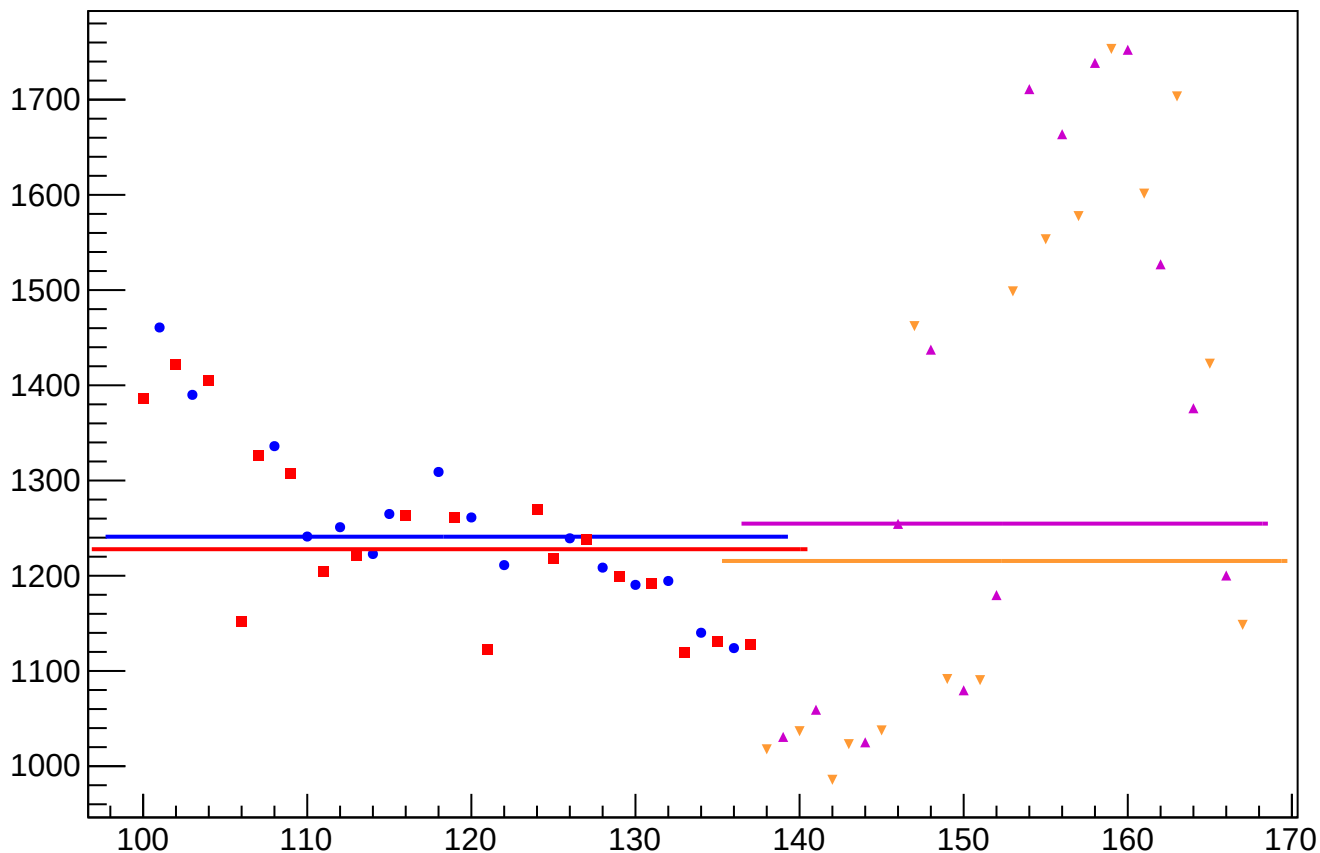
Left In: -0.693 ± 0.379 χ^2/NDF : 21.1/13

+ sign -2.091 ± 0.280 χ^2/NDF : 640.9/31

All: -0.088 ± 0.201 χ^2/NDF : 1185.6/64

- sign 2.061 ± 0.290 χ^2/NDF : 438.3/32

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007 $\pm$ 0.327 χ^2 /NDF: 80653.5/15

Left Out: 1215.519 $\pm$ 0.248 χ^2 /NDF: 991028.9/15

Right Out: 1227.864 $\pm$ 0.318 χ^2 /NDF: 82339.2/18

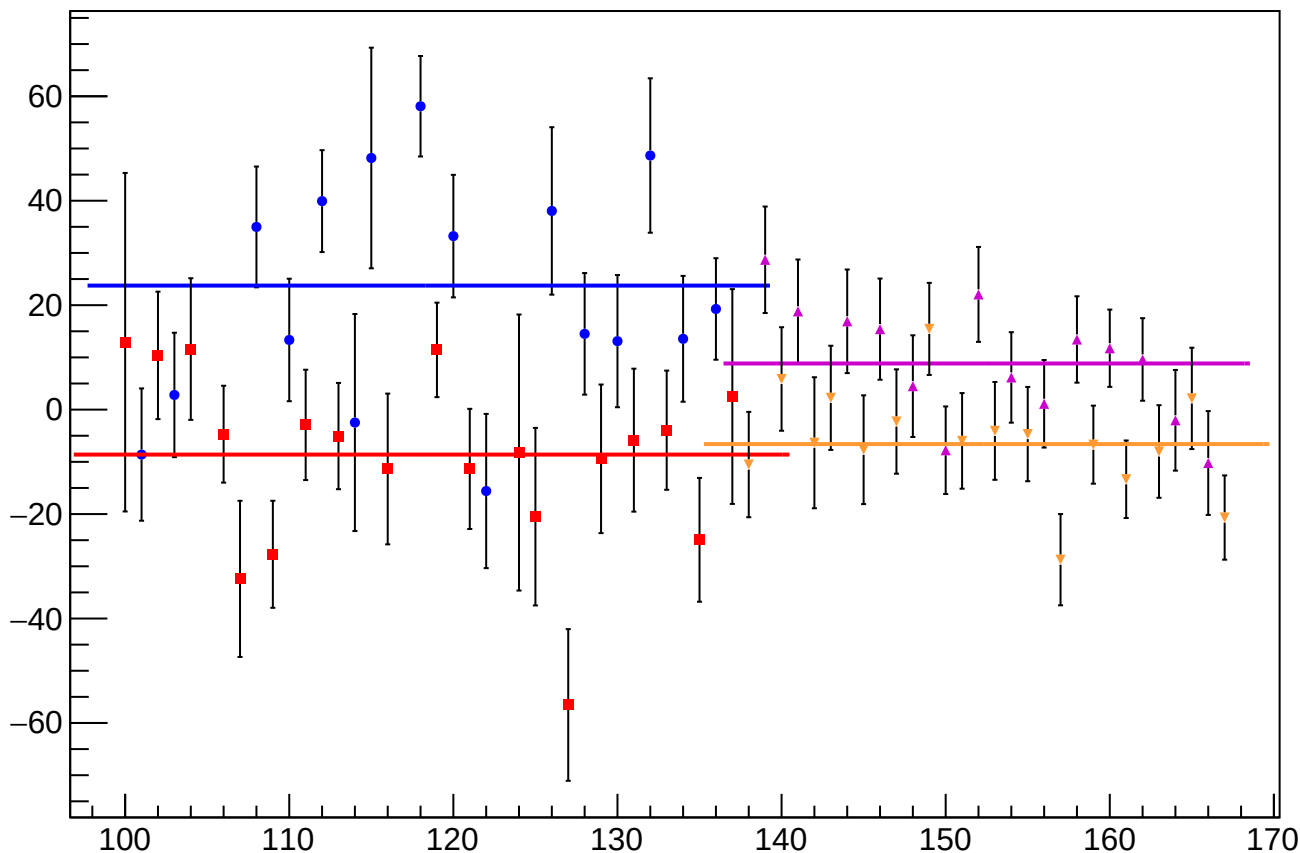
Left In: 1254.731 $\pm$ 0.268 χ^2 /NDF: 858534.4/13

+ sign 1224.844 $\pm$ 0.198 χ^2 /NDF: 1075537.0/31

All: 1233.870 $\pm$ 0.142 χ^2 /NDF: 2024910.0/64

- sign 1243.556 $\pm$ 0.205 χ^2 /NDF: 945053.3/32

diff_bpm0l09X_mean vs Slug



Right In: 23.750 ± 3.081 $\chi^2/\text{NDF}: 43.4/15$

Left Out: -6.597 ± 2.282 $\chi^2/\text{NDF}: 20.2/15$

Right Out: -8.609 ± 2.899 $\chi^2/\text{NDF}: 30.5/18$

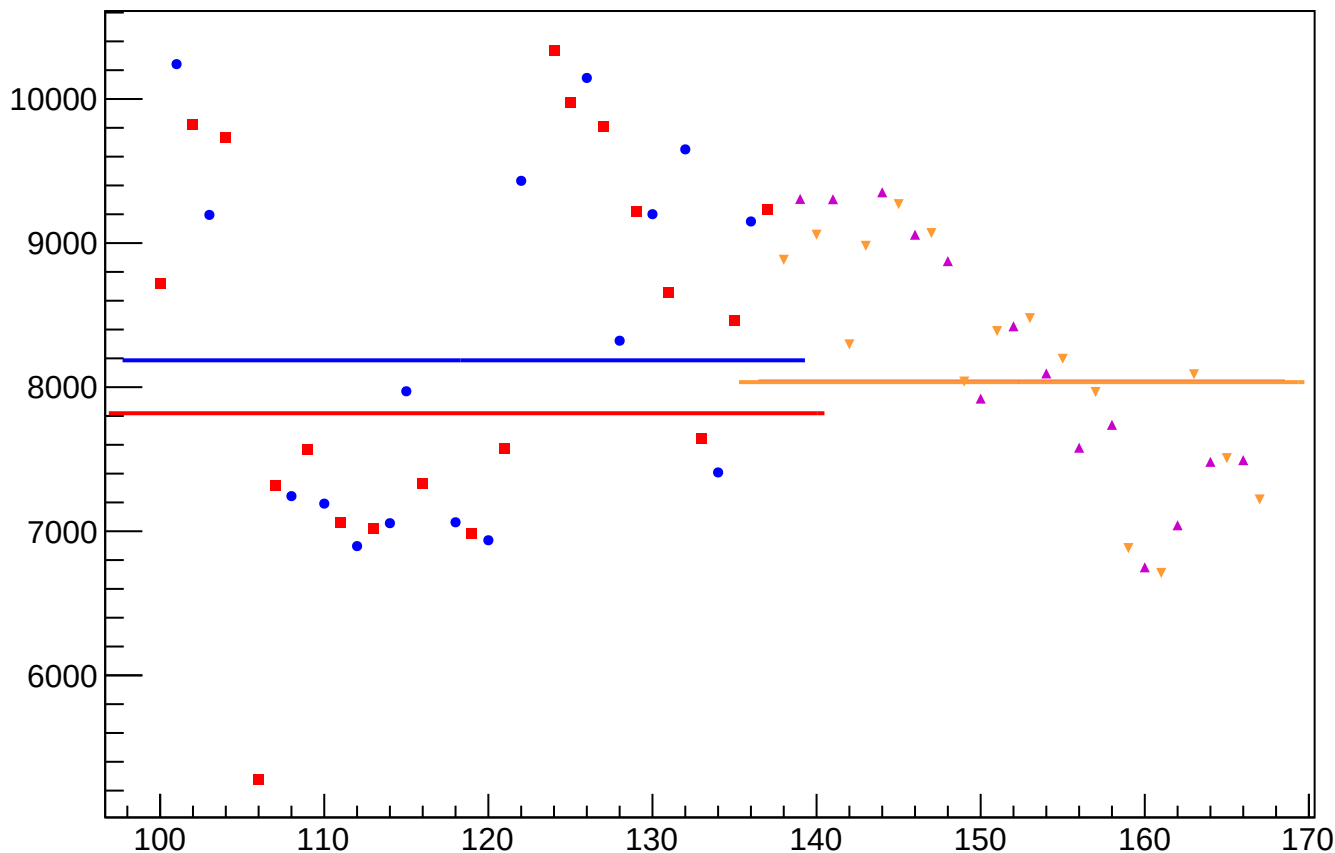
Left In: 8.835 ± 2.392 $\chi^2/\text{NDF}: 18.5/13$

+ sign 4.153 ± 1.834 $\chi^2/\text{NDF}: 126.3/31$

All: 2.969 ± 1.301 $\chi^2/\text{NDF}: 197.7/64$

- sign 1.771 ± 1.845 $\chi^2/\text{NDF}: 70.5/32$

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF : 290628.8/15

Left Out: 8035.042+/-1.614 χ^2/NDF : 249680.0/15

Right Out: 7818.965+/-2.050 χ^2/NDF : 422998.1/18

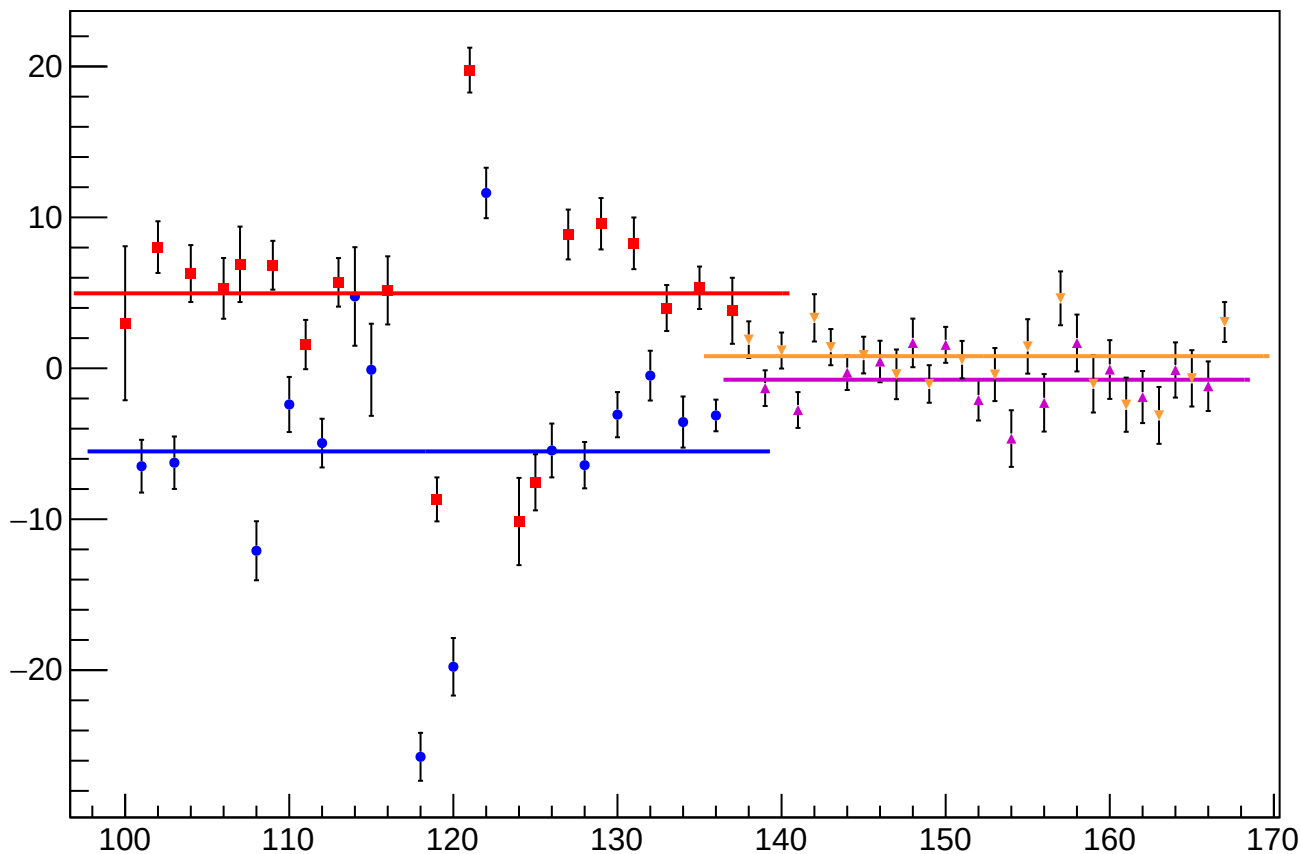
Left In: 8038.161+/-1.691 χ^2/NDF : 253358.6/13

+ sign 8088.647+/-1.297 χ^2/NDF : 543423.3/31

All: 8019.429+/-0.920 χ^2/NDF : 1232314.6/64

- sign 7949.387+/-1.305 χ^2/NDF : 683160.0/32

diff_bpm0l09Y_mean vs Slug



Right In: -5.506 ± 0.421 χ^2/NDF : 369.8/15

Left Out: 0.804 ± 0.365 χ^2/NDF : 23.8/15

Right Out: 4.967 ± 0.410 χ^2/NDF : 287.3/18

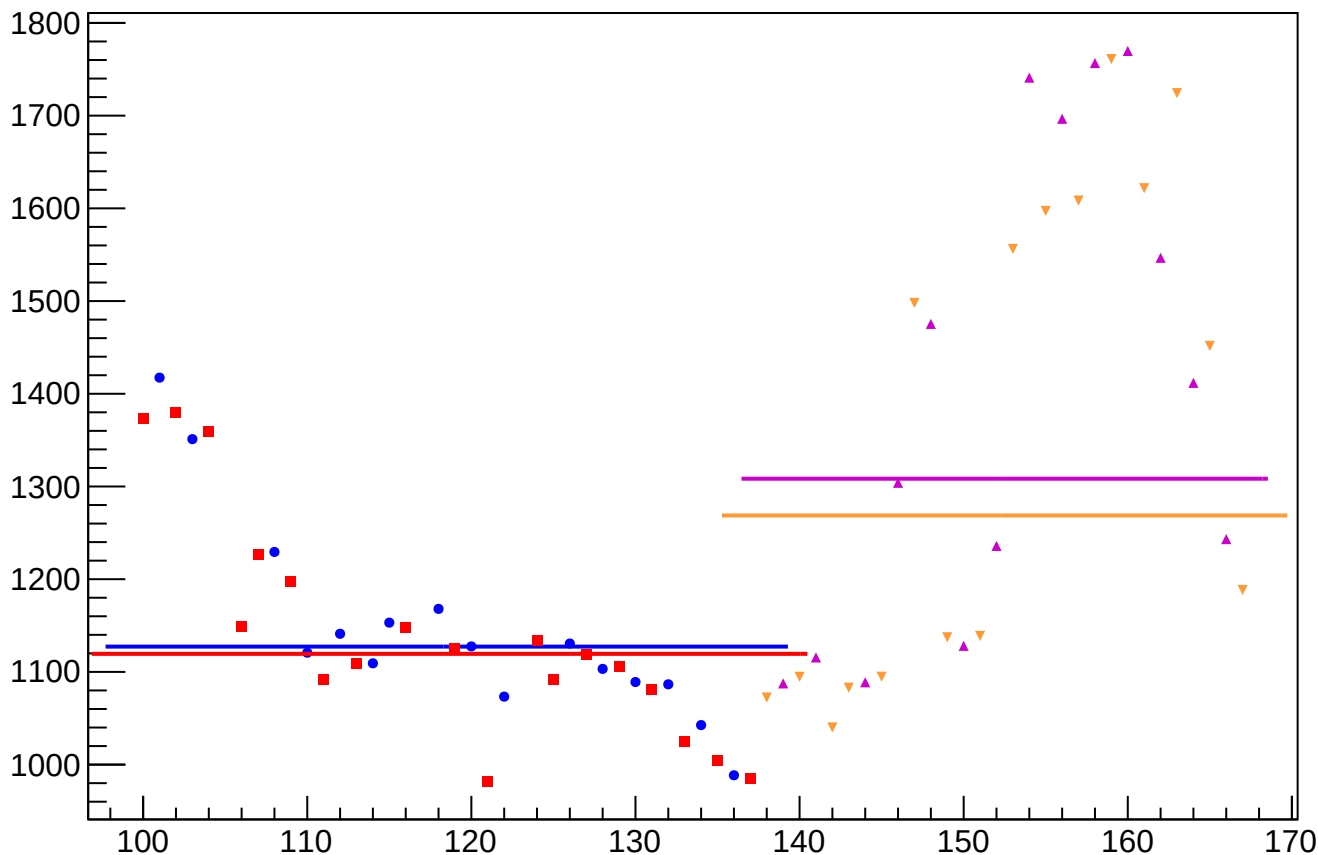
Left In: -0.757 ± 0.394 χ^2/NDF : 18.4/13

+ sign -1.906 ± 0.276 χ^2/NDF : 521.8/31

All: -0.017 ± 0.198 χ^2/NDF : 1025.6/64

- sign 1.987 ± 0.284 χ^2/NDF : 407.1/32

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF : 140615.8/15

Left Out: 1268.749+/-0.258 χ^2/NDF : 855961.9/15

Right Out: 1119.473+/-0.290 χ^2/NDF : 140736.0/18

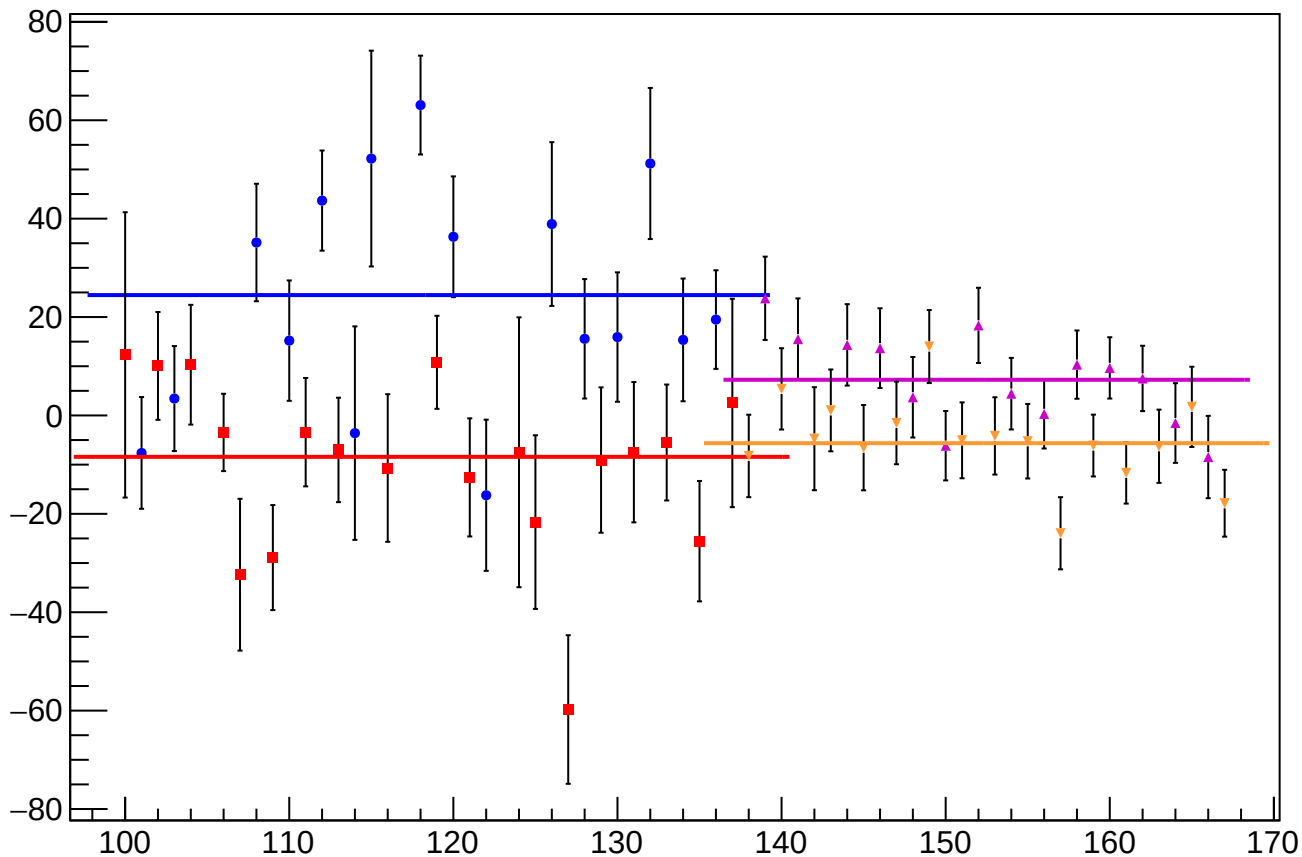
Left In: 1308.380+/-0.278 χ^2/NDF : 731402.4/13

+ sign 1207.989+/-0.195 χ^2/NDF : 1125469.3/31

All: 1212.764+/-0.140 χ^2/NDF : 2219540.5/64

- sign 1217.830+/-0.201 χ^2/NDF : 1092835.7/32

diff_bpm0l10X_mean vs Slug



Right In: 24.463 $\pm$ 3.136 χ^2 /NDF: 48.3/15

Left Out: -5.637 $\pm$ 1.914 χ^2 /NDF: 21.1/15

Right Out: -8.413 $\pm$ 2.891 χ^2 /NDF: 31.1/18

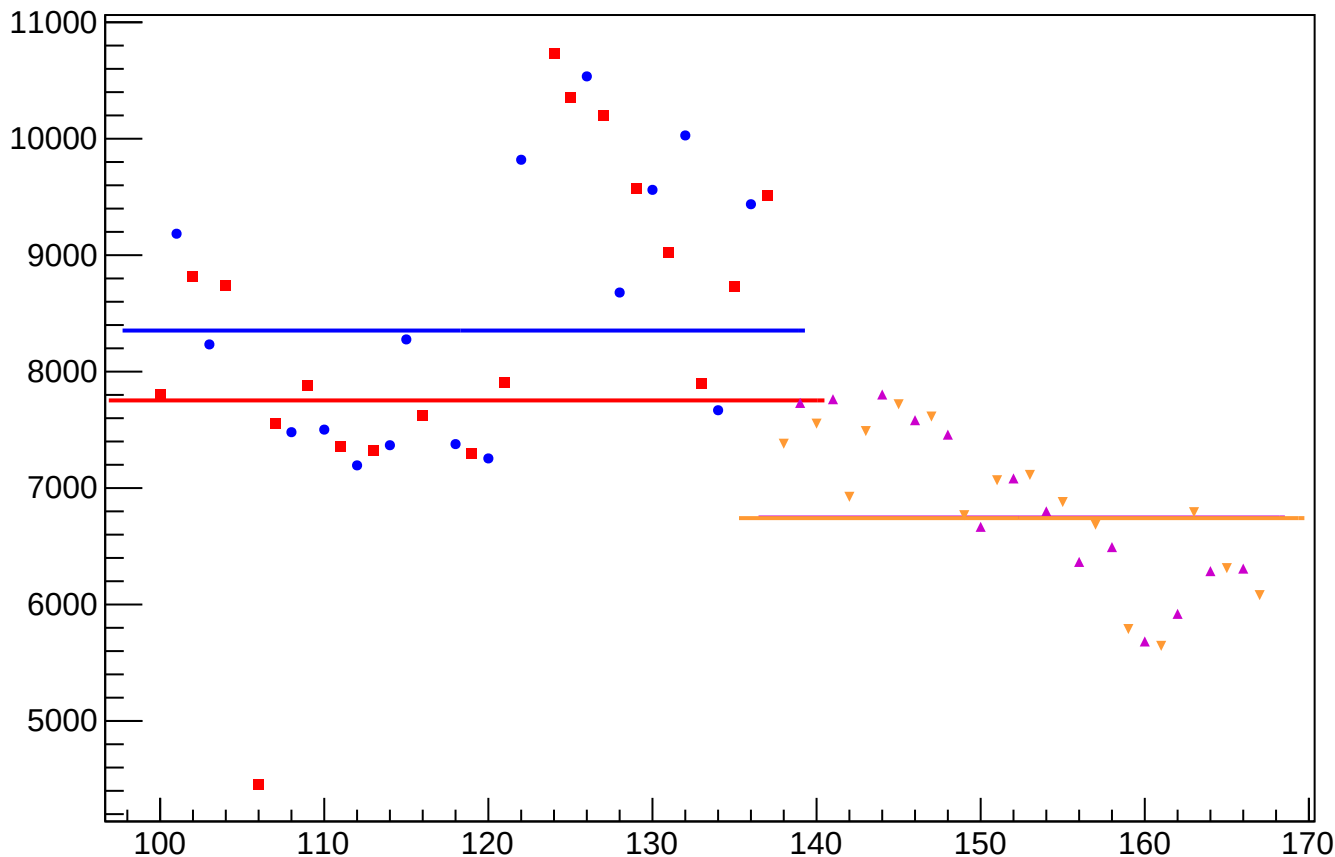
Left In: 7.252 $\pm$ 2.007 χ^2 /NDF: 18.2/13

+ sign 2.533 $\pm$ 1.634 χ^2 /NDF: 136.5/31

All: 2.347 $\pm$ 1.161 χ^2 /NDF: 205.7/64

- sign 2.158 $\pm$ 1.649 χ^2 /NDF: 69.2/32

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2 /NDF: 220412.5/15

Left Out: 6741.913+/-1.354 χ^2 /NDF: 235792.0/15

Right Out: 7752.674+/-2.044 χ^2 /NDF: 588072.1/18

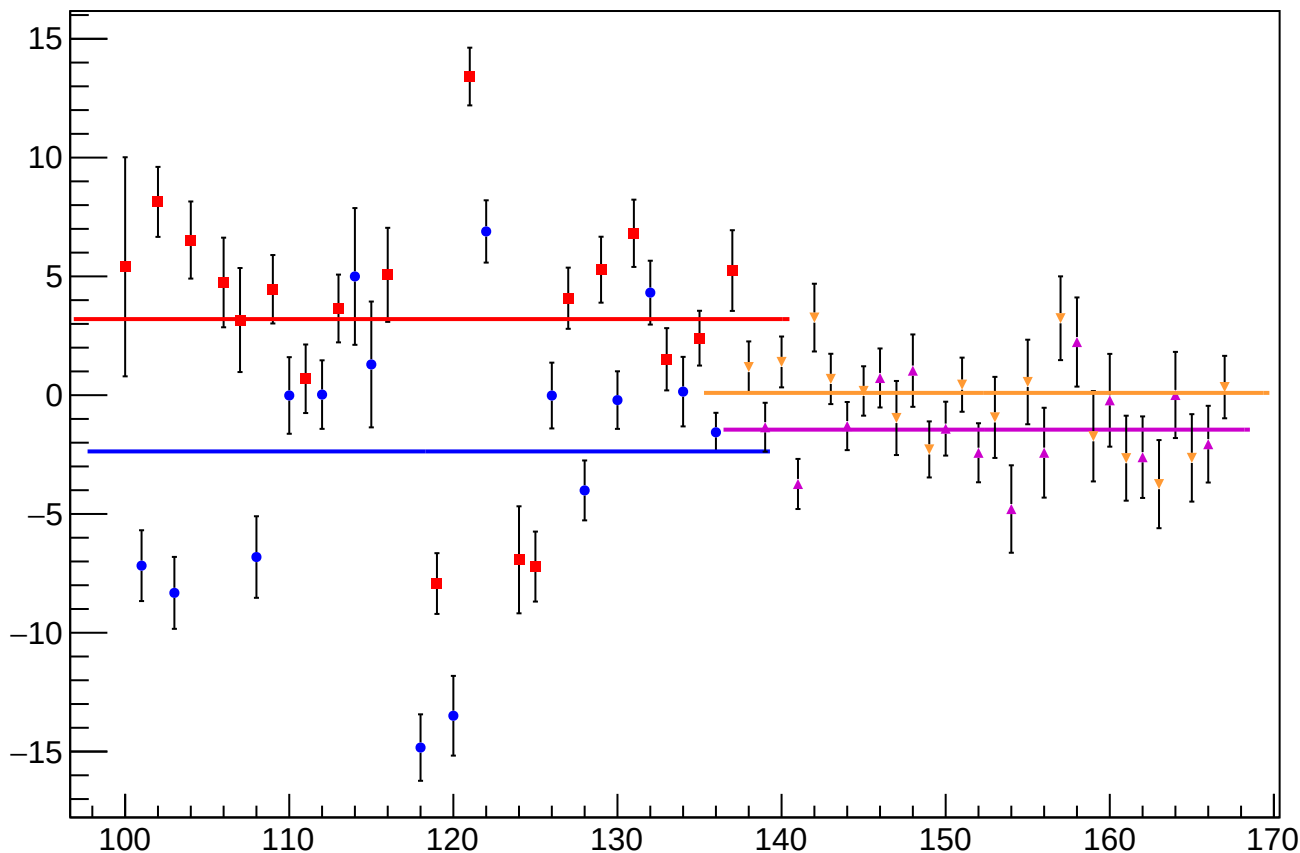
Left In: 6747.426+/-1.419 χ^2 /NDF: 240209.6/13

+ sign 7179.177+/-1.155 χ^2 /NDF: 840623.5/31

All: 7127.221+/-0.821 χ^2 /NDF: 1836167.9/64

- sign 7074.330+/-1.166 χ^2 /NDF: 991463.7/32

diff_bpm0l10Y_mean vs Slug



Right In: -2.368 ± 0.350 χ^2/NDF : 255.6/15

Left Out: 0.096 ± 0.340 χ^2/NDF : 25.8/15

Right Out: 3.203 ± 0.346 χ^2/NDF : 250.5/18

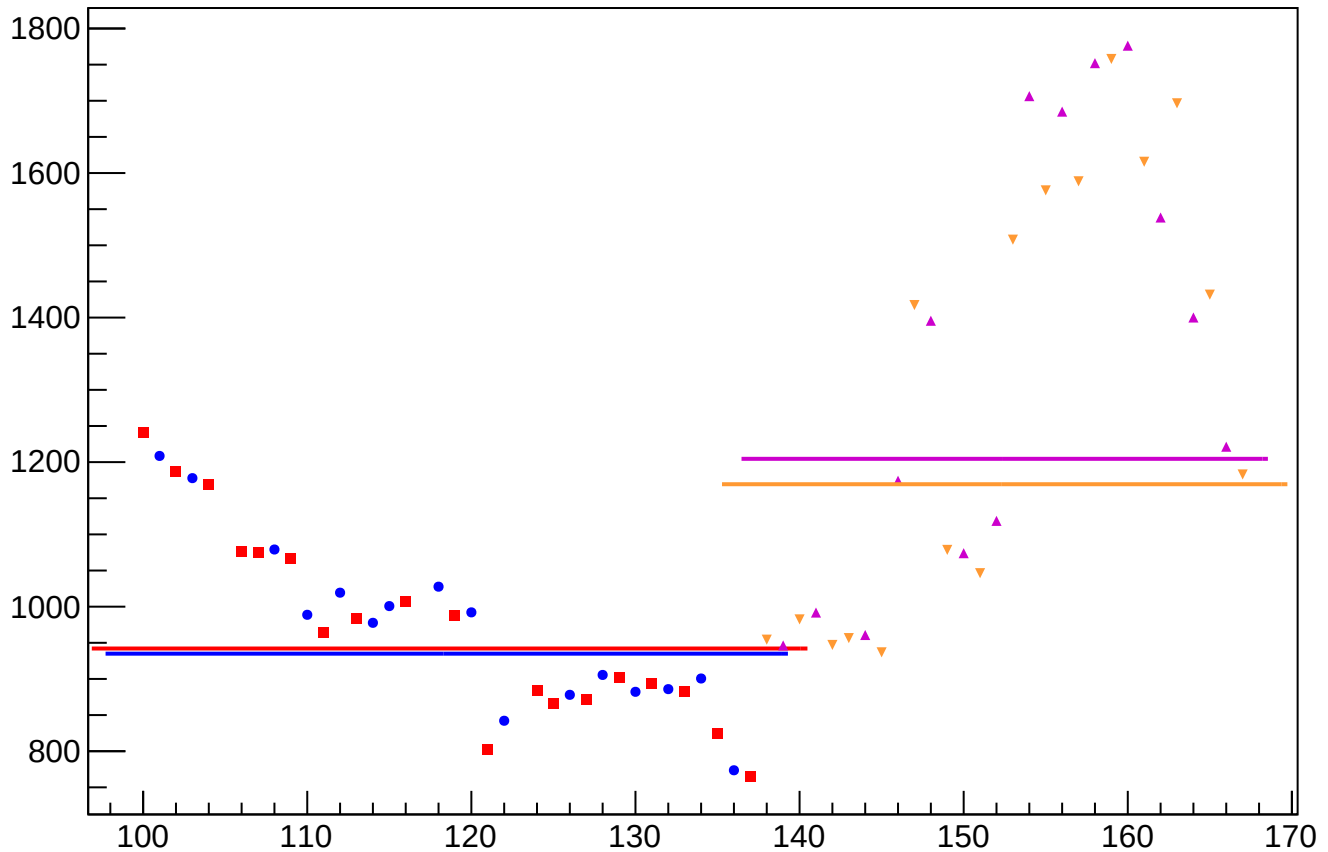
Left In: -1.451 ± 0.366 χ^2/NDF : 20.1/13

+ sign -1.097 ± 0.244 χ^2/NDF : 306.9/31

All: -0.079 ± 0.175 χ^2/NDF : 698.8/64

- sign 1.003 ± 0.252 χ^2/NDF : 356.0/32

diff_bpm0l10Y_rms vs Slug



Right In: 934.975 ± 0.248 $\chi^2/\text{NDF}: 254363.7/15$

Left Out: 1169.422 ± 0.240 $\chi^2/\text{NDF}: 1270077.7/15$

Right Out: 942.096 ± 0.245 $\chi^2/\text{NDF}: 232453.5/18$

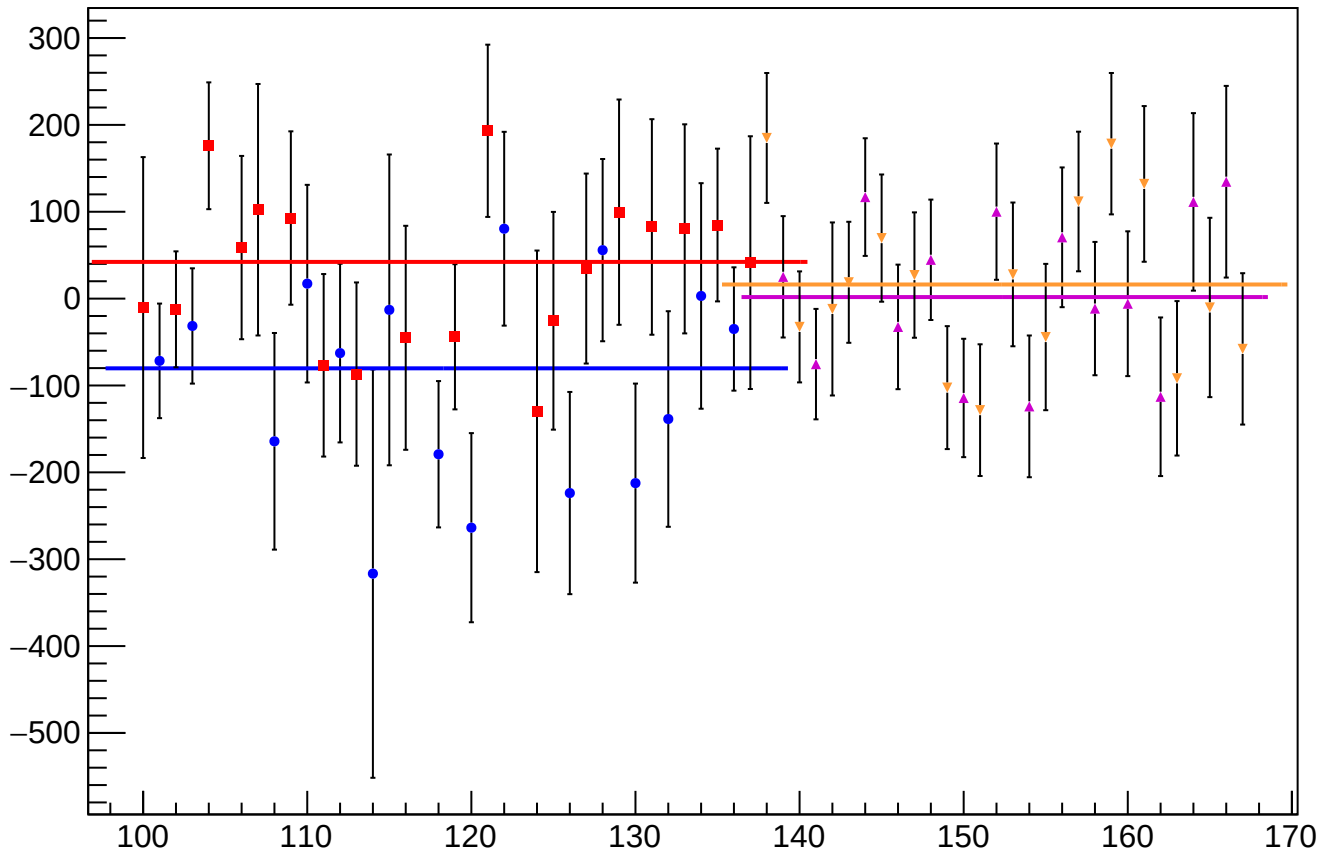
Left In: 1204.564 ± 0.259 $\chi^2/\text{NDF}: 1110494.1/13$

+ sign 1055.901 ± 0.172 $\chi^2/\text{NDF}: 1986120.5/31$

All: 1060.870 ± 0.124 $\chi^2/\text{NDF}: 3873611.7/64$

- sign 1066.155 ± 0.178 $\chi^2/\text{NDF}: 1885777.6/32$

diff_bpm0r03X_mean vs Slug



Right In: -80.250 ± 24.909 χ^2/NDF : 14.8/15

Left Out: 16.267 ± 19.795 χ^2/NDF : 22.6/15

Right Out: 42.263 ± 24.144 χ^2/NDF : 13.0/18

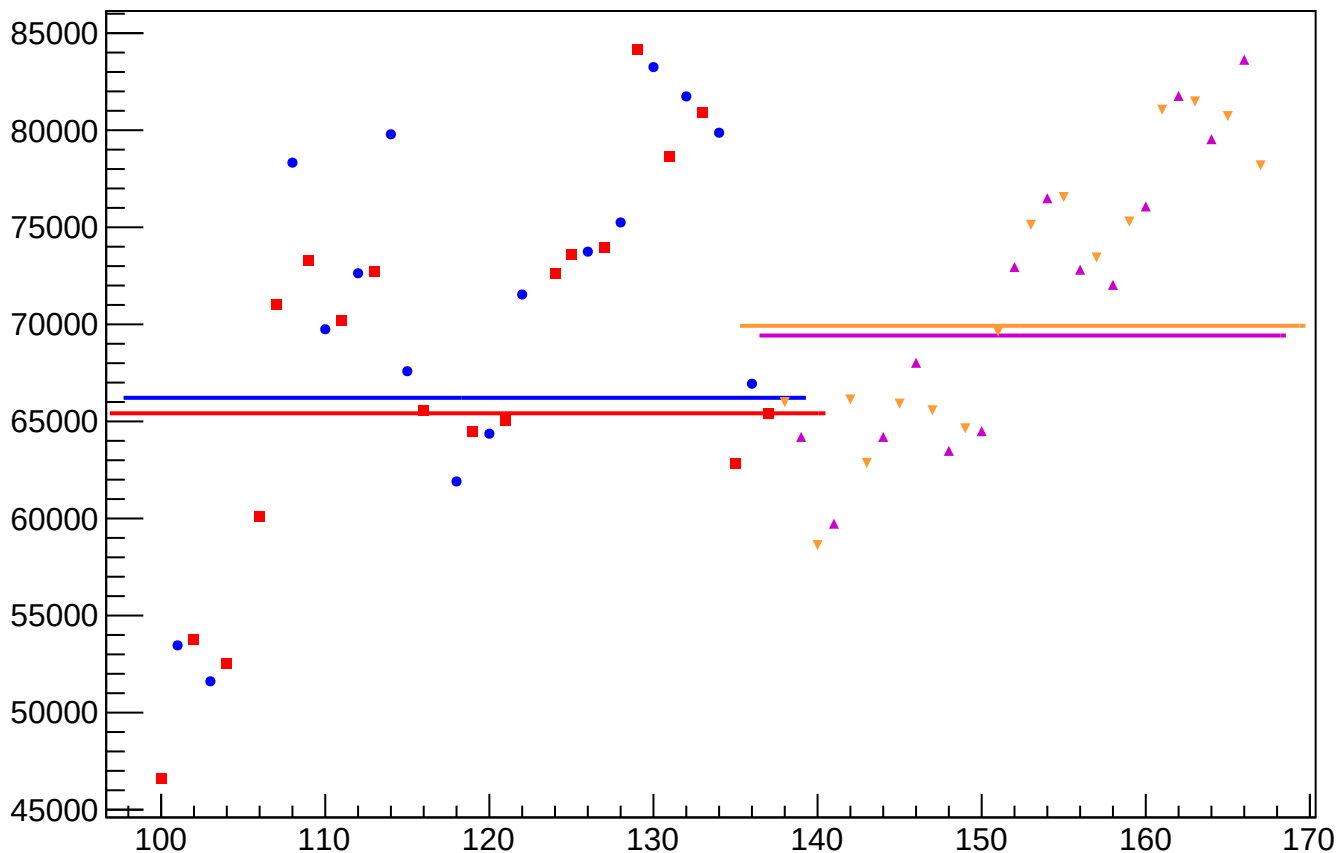
Left In: 1.784 ± 20.553 χ^2/NDF : 16.9/13

+ sign -21.093 ± 15.497 χ^2/NDF : 46.6/31

All: -1.347 ± 11.012 χ^2/NDF : 81.4/64

- sign 18.792 ± 15.650 χ^2/NDF : 31.5/32

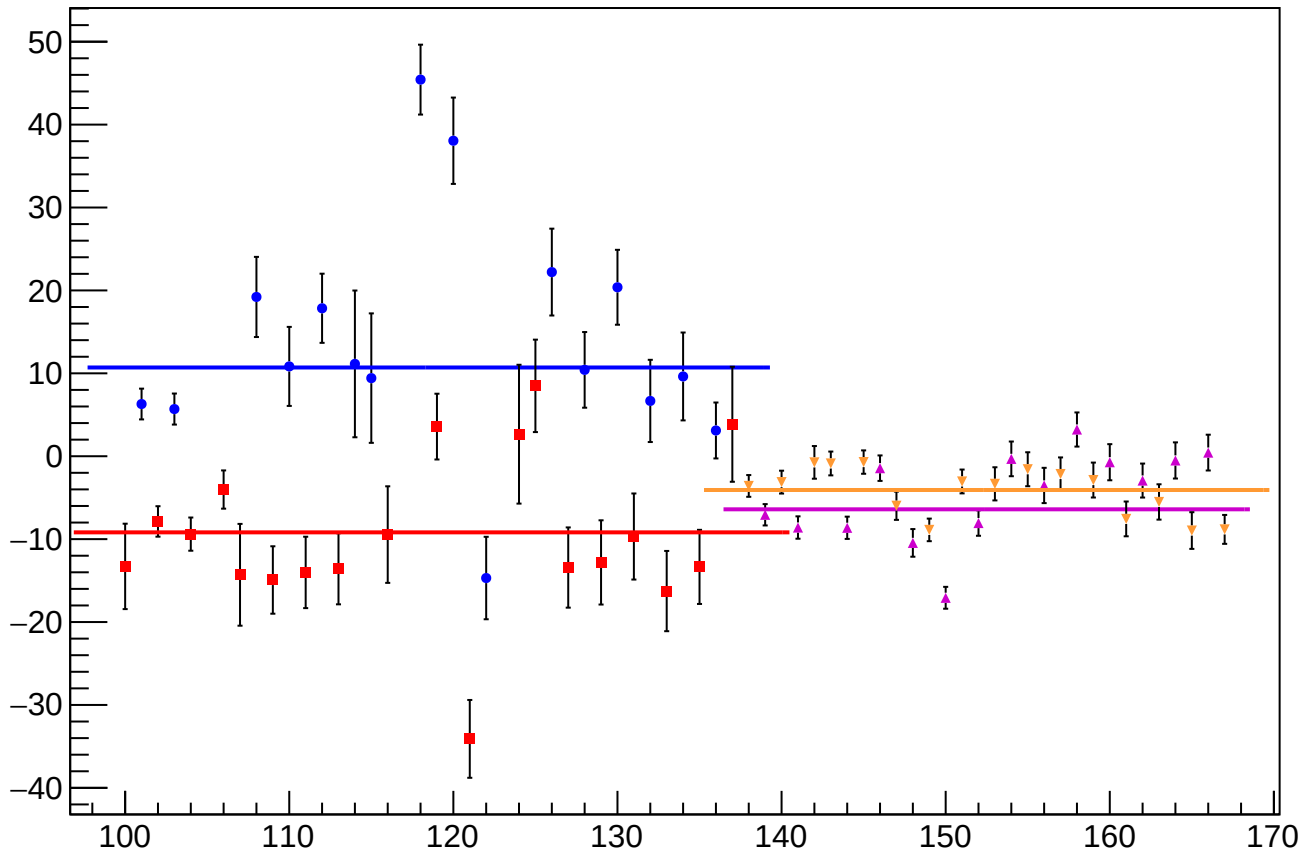
diff_bpm0r03X_rms vs Slug



Right In: 66216.115 $\pm$ 17.613 χ^2 /NDF: 338377.6/15
 Left Out: 69925.933 $\pm$ 13.997 χ^2 /NDF:253257.0/15
 Right Out: 65418.529 $\pm$ 17.073 χ^2 /NDF: 304555.9/18
 Left In: 69424.766 $\pm$ 14.533 χ^2 /NDF:222452.5/13

+ sign 68489.948 $\pm$ 10.958 χ^2 /NDF: 618825.9/31
 All: 68119.415 $\pm$ 7.787 χ^2 /NDF: 1180072.3/6
 - sign 67741.526 $\pm$ 11.066 χ^2 /NDF: 558937.0/32

diff_bpm0r03Y_mean vs Slug



Right In: 10.705 $\pm$ 0.921 χ^2 /NDF: 155.6/15

Left Out: -4.073 $\pm$ 0.420 χ^2 /NDF: 46.8/15

Right Out: -9.182 $\pm$ 0.850 χ^2 /NDF: 69.6/18

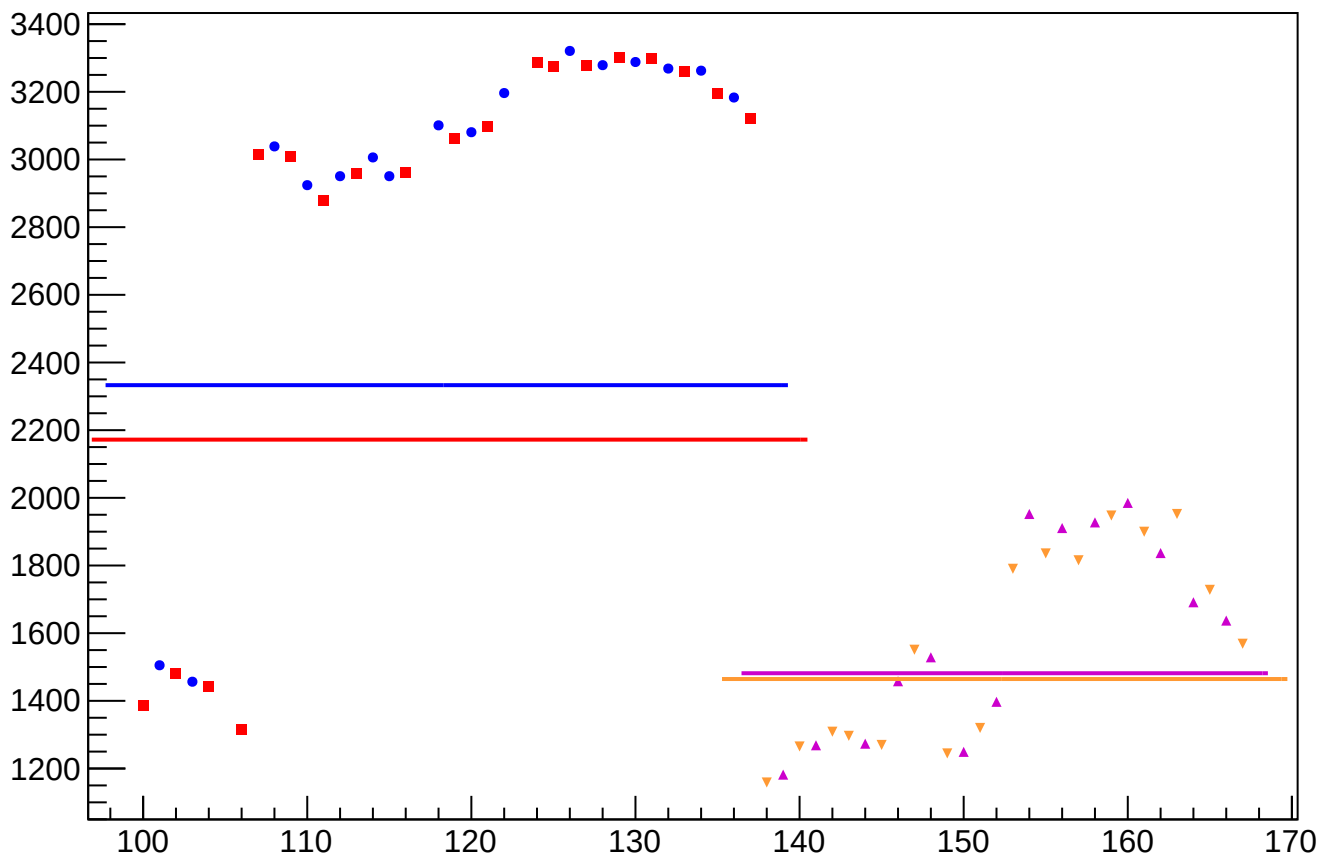
Left In: -6.403 $\pm$ 0.445 χ^2 /NDF: 147.7/13

+ sign -1.524 $\pm$ 0.382 χ^2 /NDF: 415.6/31

All: -4.178 $\pm$ 0.274 χ^2 /NDF: 740.7/64

- sign -7.001 $\pm$ 0.394 χ^2 /NDF: 225.7/32

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2 /NDF: 1651407.8/15

Left Out: 1464.505+/-0.297 χ^2 /NDF: 817824.6/15

Right Out: 2172.041+/-0.601 χ^2 /NDF: 1984197.6/18

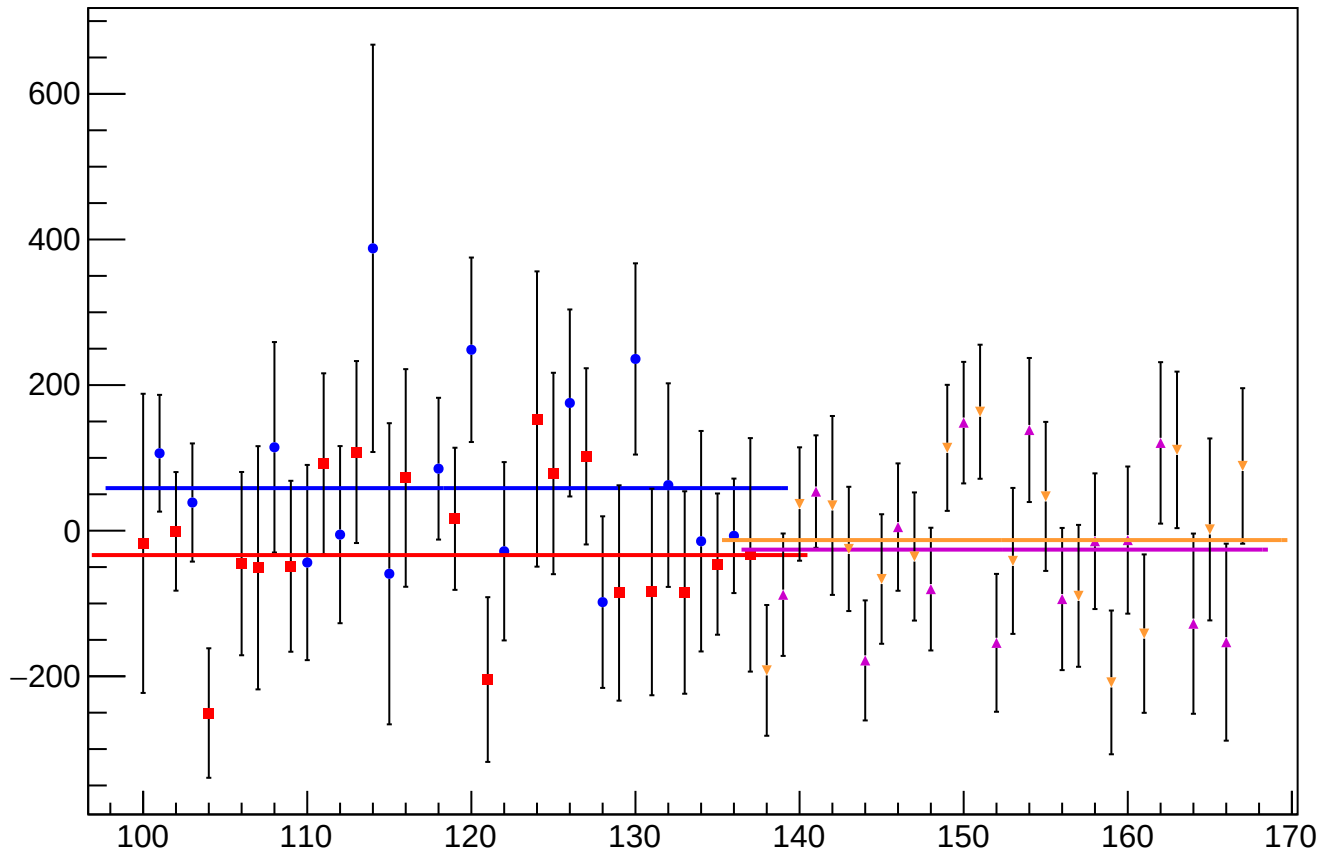
Left In: 1481.617+/-0.315 χ^2 /NDF: 748615.3/13

+ sign 1614.279+/-0.270 χ^2 /NDF: 3942515.4/31

All: 1621.974+/-0.194 χ^2 /NDF: 7712317.7/64

- sign 1630.162+/-0.279 χ^2 /NDF: 3768129.6/32

diff_bpm0r05X_mean vs Slug



Right In: 58.446 ± 28.918 χ^2/NDF : 11.3/15

Left Out: -12.922 ± 24.080 χ^2/NDF : 19.4/15

Right Out: -33.520 ± 28.106 χ^2/NDF : 14.7/18

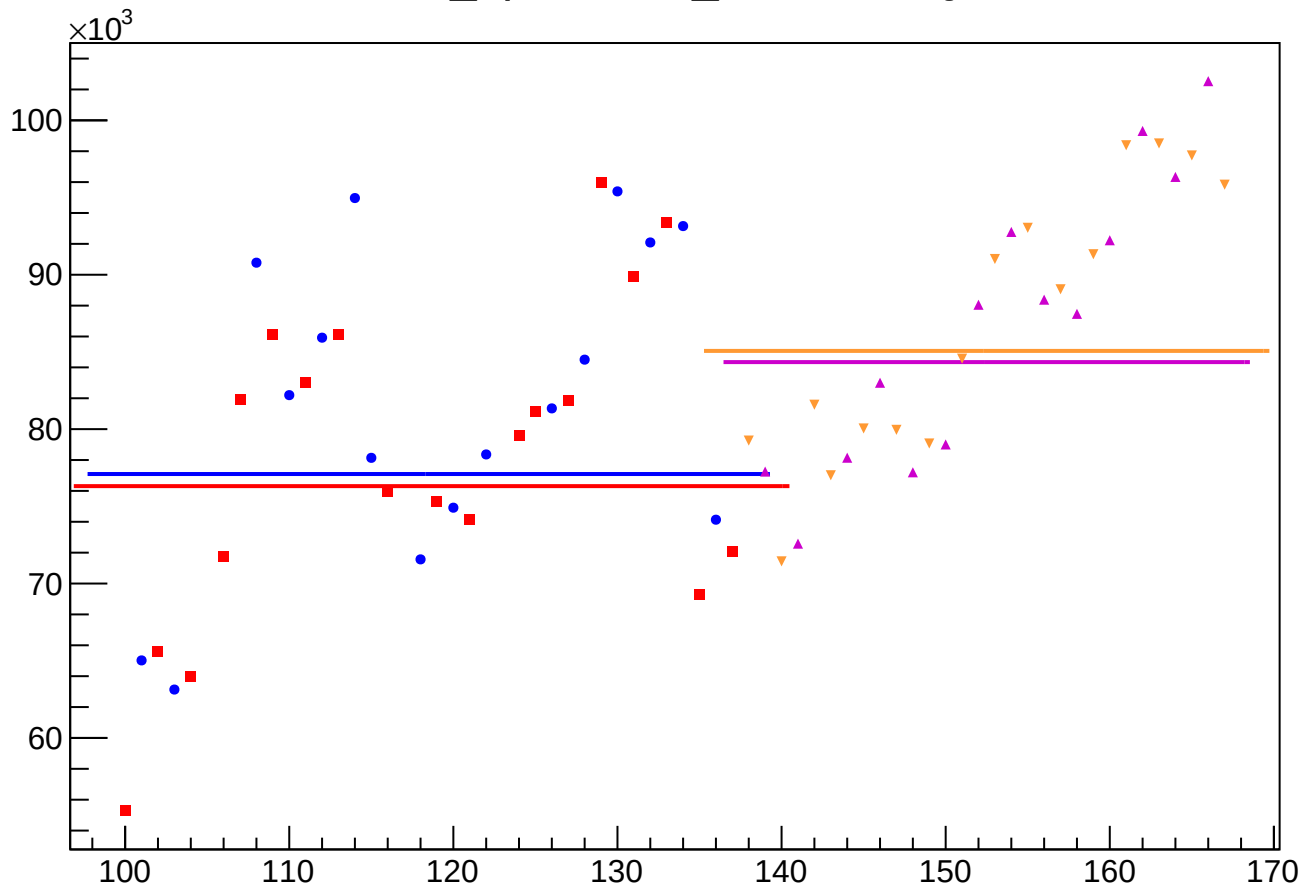
Left In: -26.031 ± 24.972 χ^2/NDF : 18.3/13

+ sign 16.302 ± 18.505 χ^2/NDF : 34.3/31

All: -6.316 ± 13.142 χ^2/NDF : 70.3/64

- sign -29.335 ± 18.668 χ^2/NDF : 33.0/32

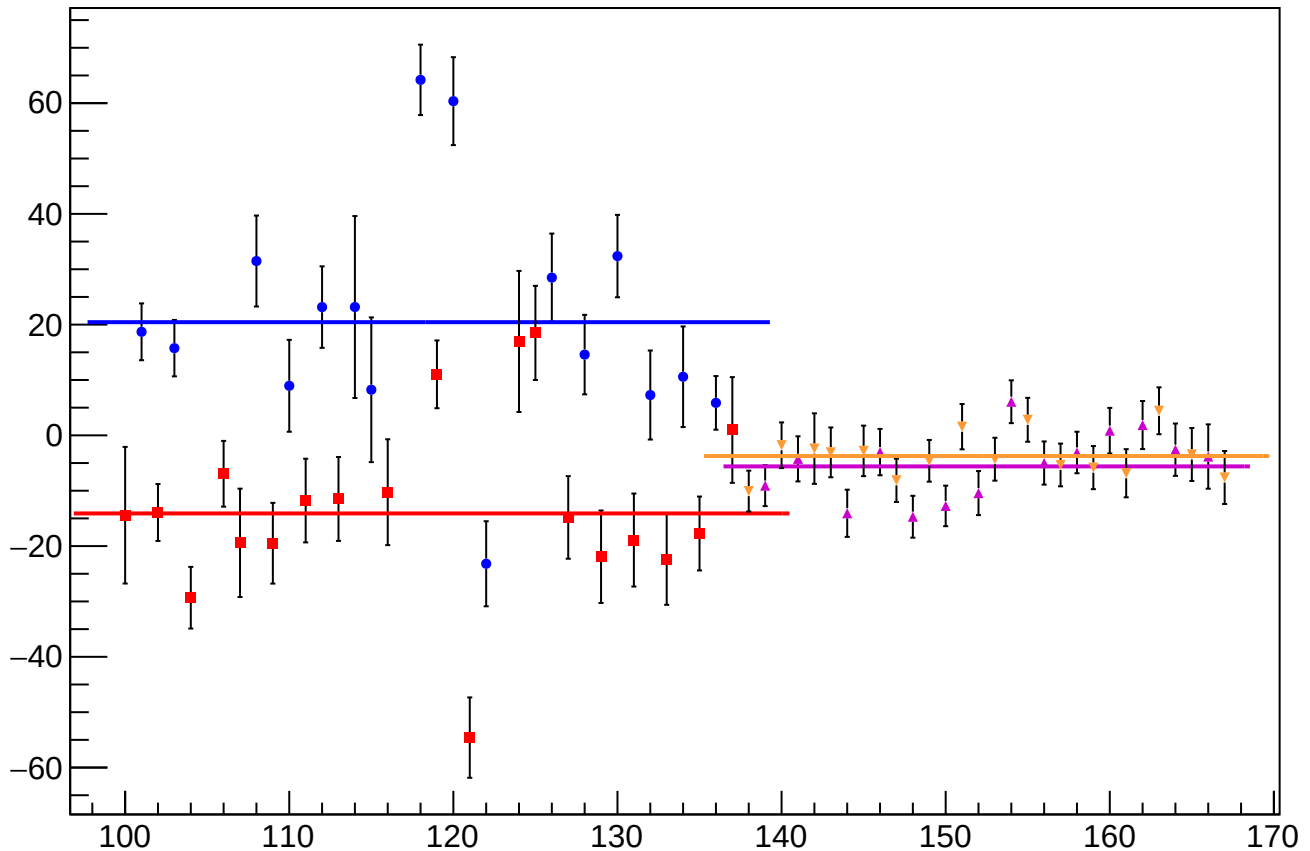
diff_bpm0r05X_rms vs Slug



Right In: 77093.125 $\pm$ 20.448 χ^2 /NDF: 248542.7/15
 Left Out: 85067.130 $\pm$ 17.027 χ^2 /NDF: 244468.3/15
 Right Out: 76308.708 $\pm$ 19.874 χ^2 /NDF: 234433.2/18
 Left In: 84341.810 $\pm$ 17.658 χ^2 /NDF: 221636.5/13

+ sign 81801.933 $\pm$ 13.085 χ^2 /NDF: 582814.5/31
 All: 81304.339 $\pm$ 9.293 χ^2 /NDF: 1133108.2/6
 - sign 80797.934 $\pm$ 13.200 χ^2 /NDF: 547375.7/32

diff_bpm0r05Y_mean vs Slug



Right In: 20.441 ± 1.782 χ^2/NDF : 127.8/15

Left Out: -3.739 ± 1.049 χ^2/NDF : 14.4/15

Right Out: -14.102 ± 1.714 χ^2/NDF : 83.8/18

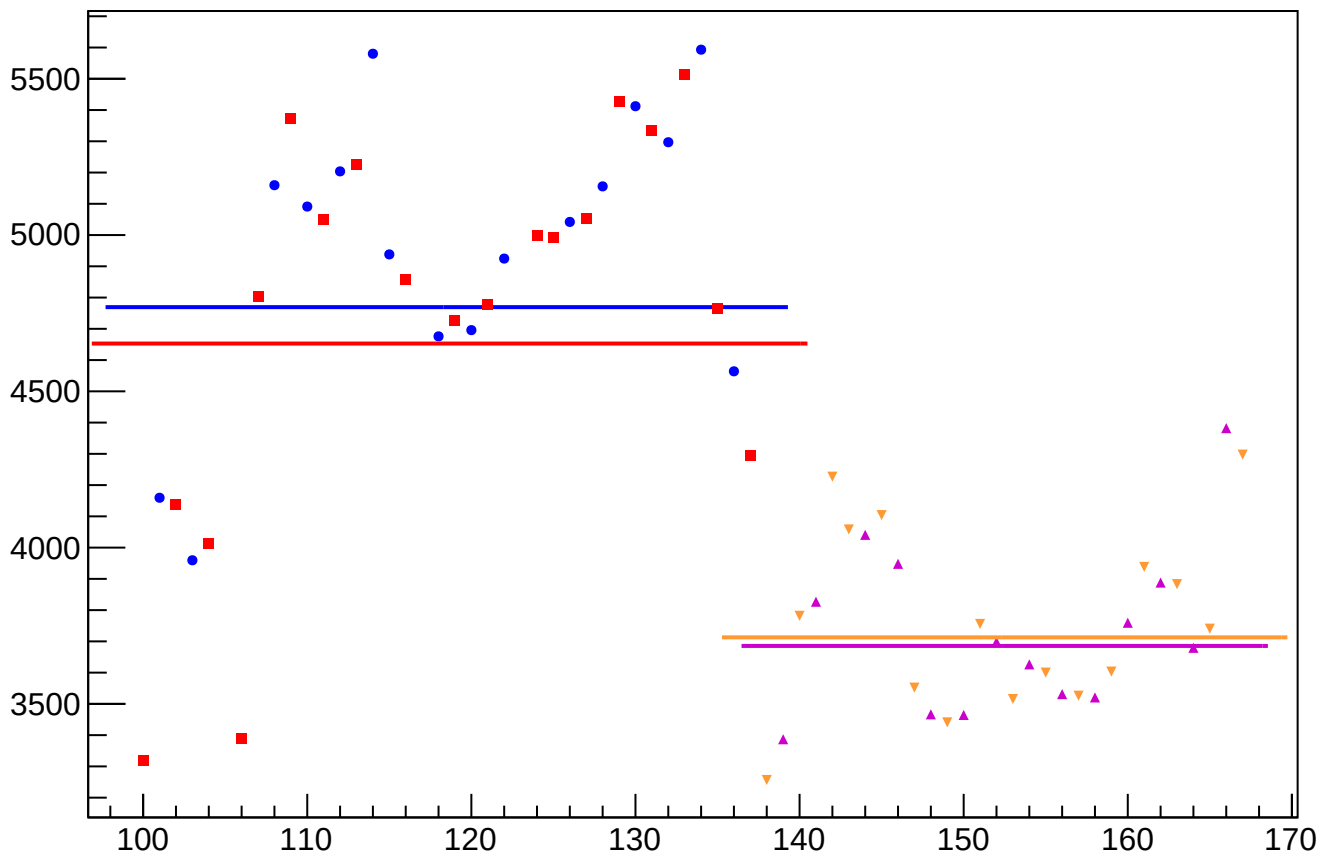
Left In: -5.607 ± 1.089 χ^2/NDF : 31.9/13

+ sign 2.480 ± 0.904 χ^2/NDF : 279.0/31

All: -2.697 ± 0.644 χ^2/NDF : 478.9/64

- sign -8.051 ± 0.919 χ^2/NDF : 133.2/32

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF : 151678.3/15

Left Out: 3712.855+/-0.741 χ^2/NDF : 136279.1/15

Right Out: 4652.924+/-1.212 χ^2/NDF : 265116.1/18

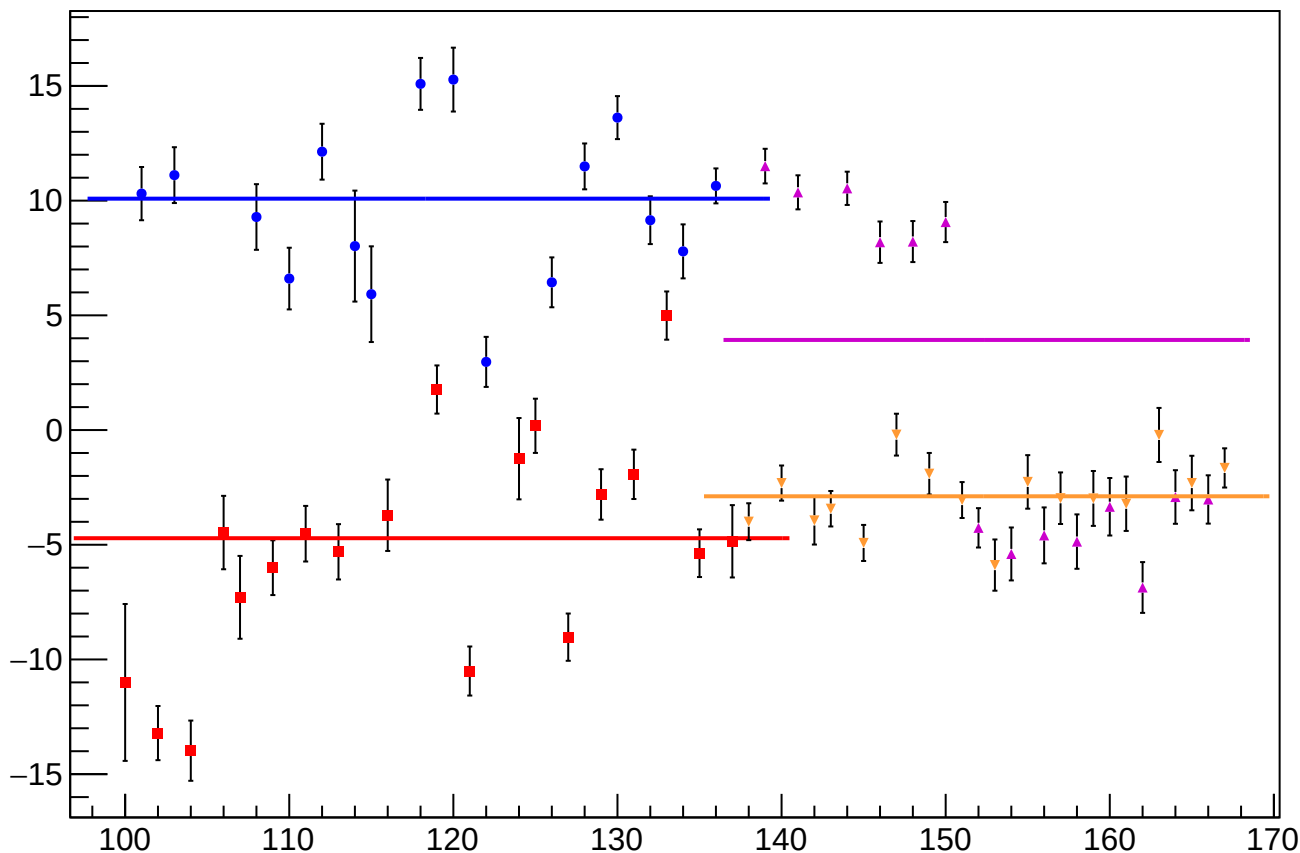
Left In: 3685.427+/-0.770 χ^2/NDF : 92419.3/13

+ sign 3984.574+/-0.639 χ^2/NDF : 810198.3/31

All: 3974.336+/-0.456 χ^2/NDF : 1622409.6/64

- sign 3963.747+/-0.650 χ^2/NDF : 811689.1/32

diff_bpm2i01X_mean vs Slug



Right In: 10.086 ± 0.288 χ^2/NDF : 123.9/15

Left Out: -2.888 ± 0.235 χ^2/NDF : 35.6/15

Right Out: -4.715 ± 0.286 χ^2/NDF : 310.2/18

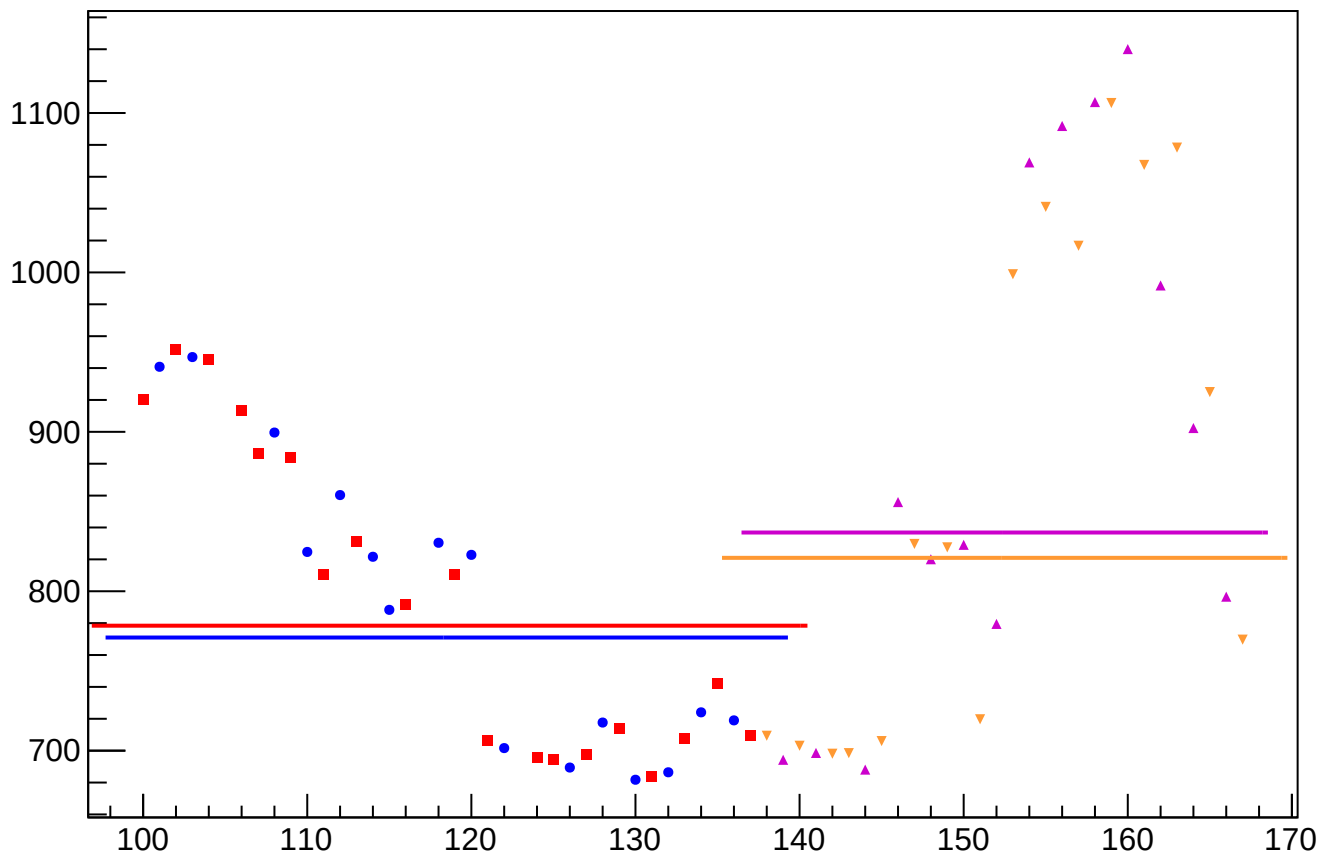
Left In: 3.928 ± 0.251 χ^2/NDF : 805.8/13

+ sign 2.302 ± 0.182 χ^2/NDF : 1374.0/31

All: 1.267 ± 0.131 χ^2/NDF : 3072.6/64

- sign 0.159 ± 0.189 χ^2/NDF : 1631.9/32

diff_bpm2i01X_rms vs Slug



Right In: 770.973 $\pm$ 0.204 χ^2 /NDF: 192911.9/15

Left Out: 820.958 $\pm$ 0.166 χ^2 /NDF: 740640.9/15

Right Out: 778.394 $\pm$ 0.202 χ^2 /NDF: 196544.2/18

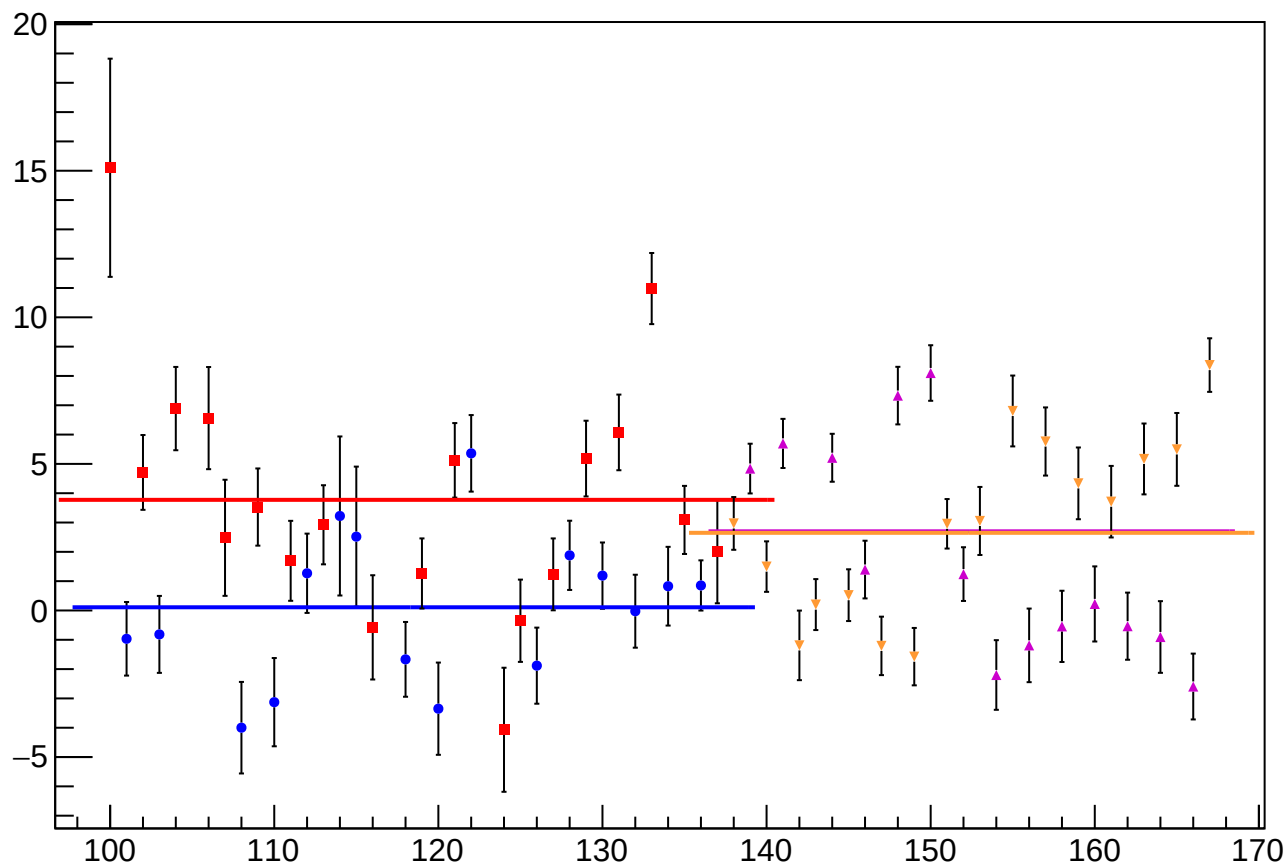
Left In: 836.845 $\pm$ 0.178 χ^2 /NDF: 673241.9/13

+ sign 800.964 $\pm$ 0.129 χ^2 /NDF: 969605.3/31

All: 805.983 $\pm$ 0.093 χ^2 /NDF: 1889715.4/64

- sign 811.356 $\pm$ 0.133 χ^2 /NDF: 916973.7/32

diff_bpm2i01Y_mean vs Slug



Right In: 0.109 $\pm$ 0.330 χ^2 /NDF: 45.4/15

Left Out: 2.649 $\pm$ 0.255 χ^2 /NDF:130.4/15

Right Out: 3.774 $\pm$ 0.326 χ^2 /NDF: 99.6/18

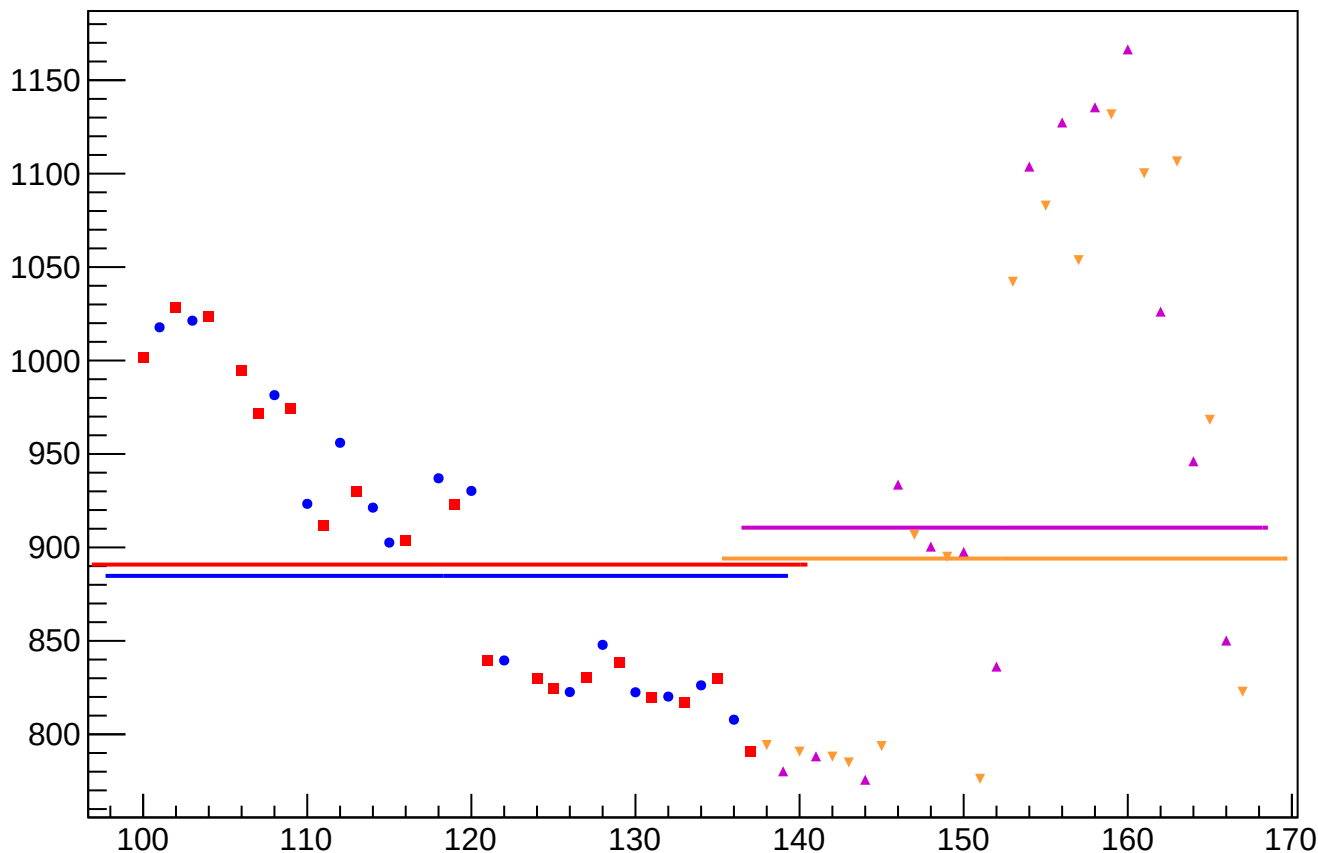
Left In: 2.700 $\pm$ 0.272 χ^2 /NDF:164.0/13

+ sign 1.699 $\pm$ 0.202 χ^2 /NDF: 212.9/31

All: 2.395 $\pm$ 0.145 χ^2 /NDF: 507.5/64

- sign 3.140 $\pm$ 0.209 χ^2 /NDF: 270.0/32

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF : 104494.1/15

Left Out: 894.053+/-0.180 χ^2/NDF : 498678.4/15

Right Out: 890.815+/-0.231 χ^2/NDF : 107763.6/18

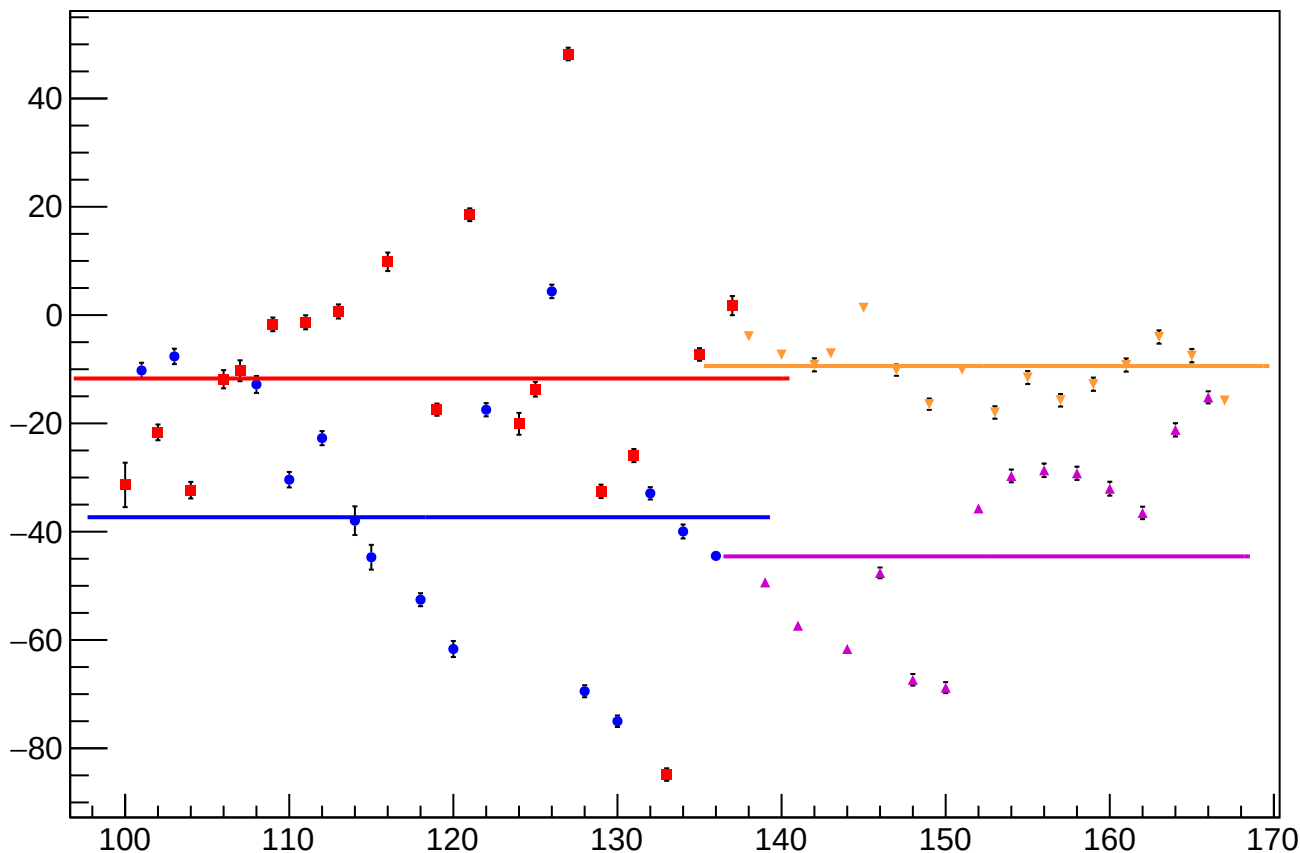
Left In: 910.570+/-0.192 χ^2/NDF : 447996.9/13

+ sign 890.584+/-0.143 χ^2/NDF : 604163.3/31

All: 896.324+/-0.103 χ^2/NDF : 1167610.4/64

- sign 902.472+/-0.148 χ^2/NDF : 560092.4/32

diff_bpm2i02X_mean vs Slug



Right In: -37.330 ± 0.322 χ^2/NDF : 5184.7/15

Left Out: -9.408 ± 0.258 χ^2/NDF : 403.0/15

Right Out: -11.706 ± 0.318 χ^2/NDF : 8463.6/18

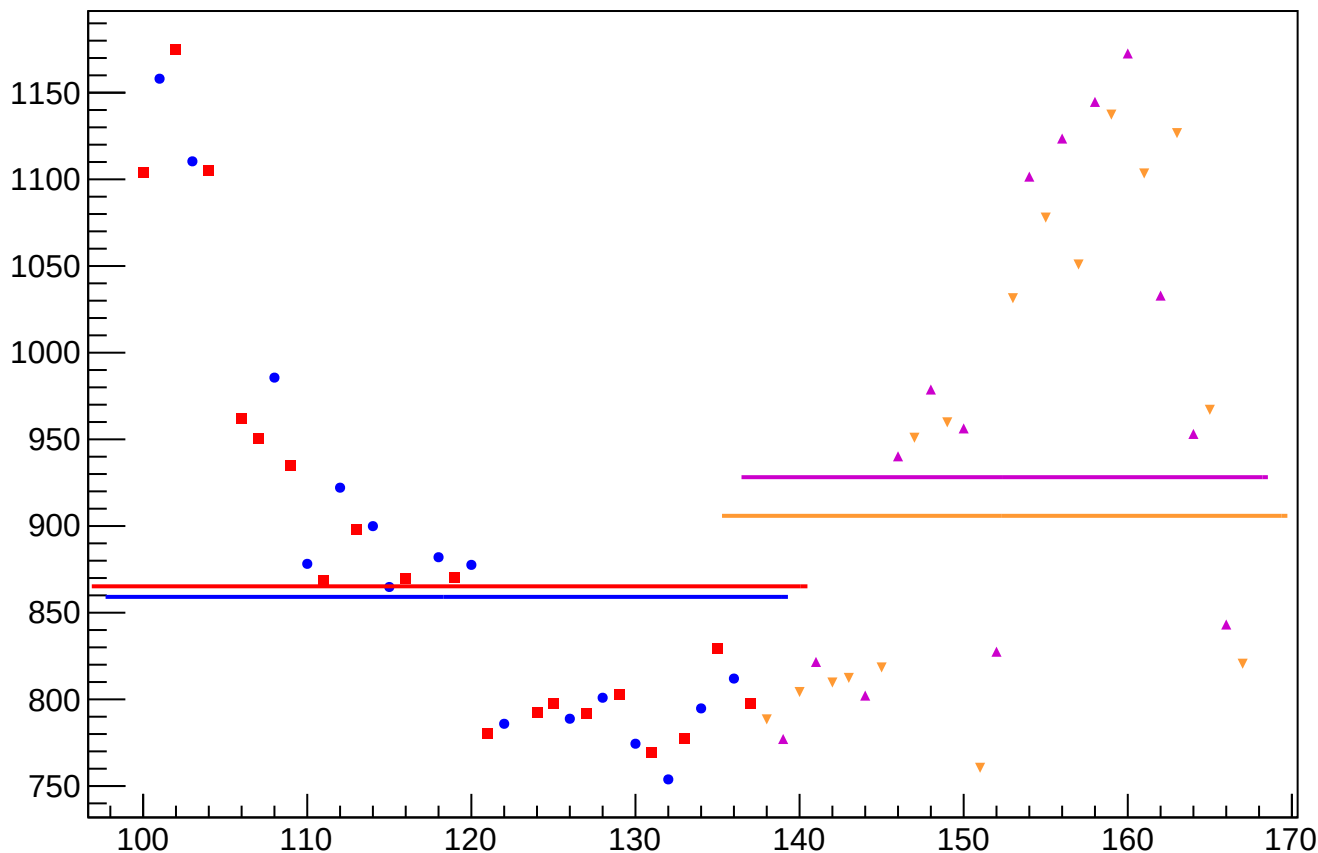
Left In: -44.563 ± 0.277 χ^2/NDF : 3464.2/13

+ sign -20.353 ± 0.201 χ^2/NDF : 10167.2/31

All: -25.188 ± 0.145 χ^2/NDF : 29363.5/64

- sign -30.386 ± 0.209 χ^2/NDF : 18000.5/32

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF : 228710.0/15

Left Out: 905.885+/-0.183 χ^2/NDF : 490184.9/15

Right Out: 865.213+/-0.225 χ^2/NDF : 223669.1/18

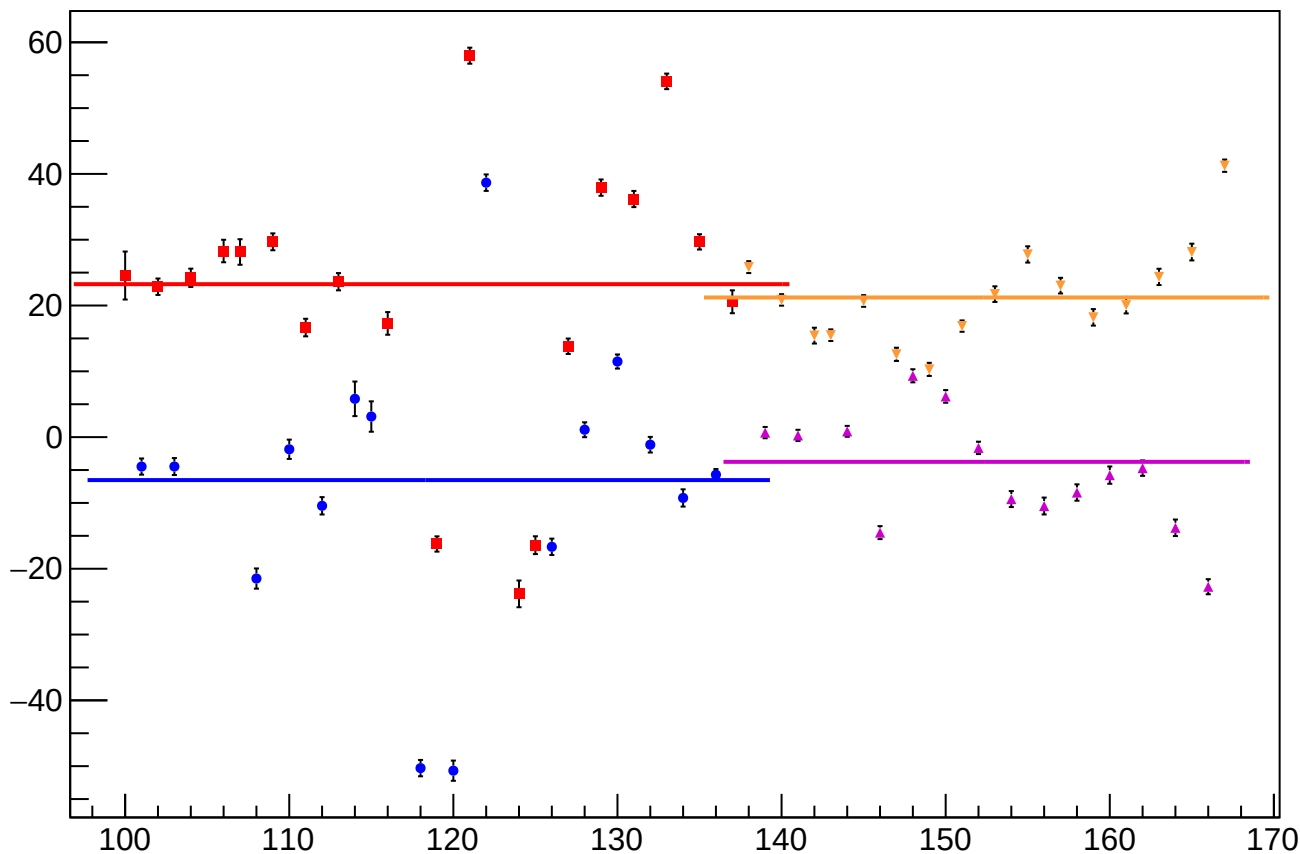
Left In: 928.181+/-0.196 χ^2/NDF : 423824.3/13

+ sign 887.557+/-0.142 χ^2/NDF : 744580.3/31

All: 894.041+/-0.103 χ^2/NDF : 1440979.2/64

- sign 901.011+/-0.148 χ^2/NDF : 692098.6/32

diff_bpm2i02Y_mean vs Slug



Right In: -6.529 ± 0.321 χ^2/NDF : 3946.1/15

Left Out: 21.223 ± 0.260 χ^2/NDF : 837.7/15

Right Out: 23.244 ± 0.317 χ^2/NDF : 4470.0/18

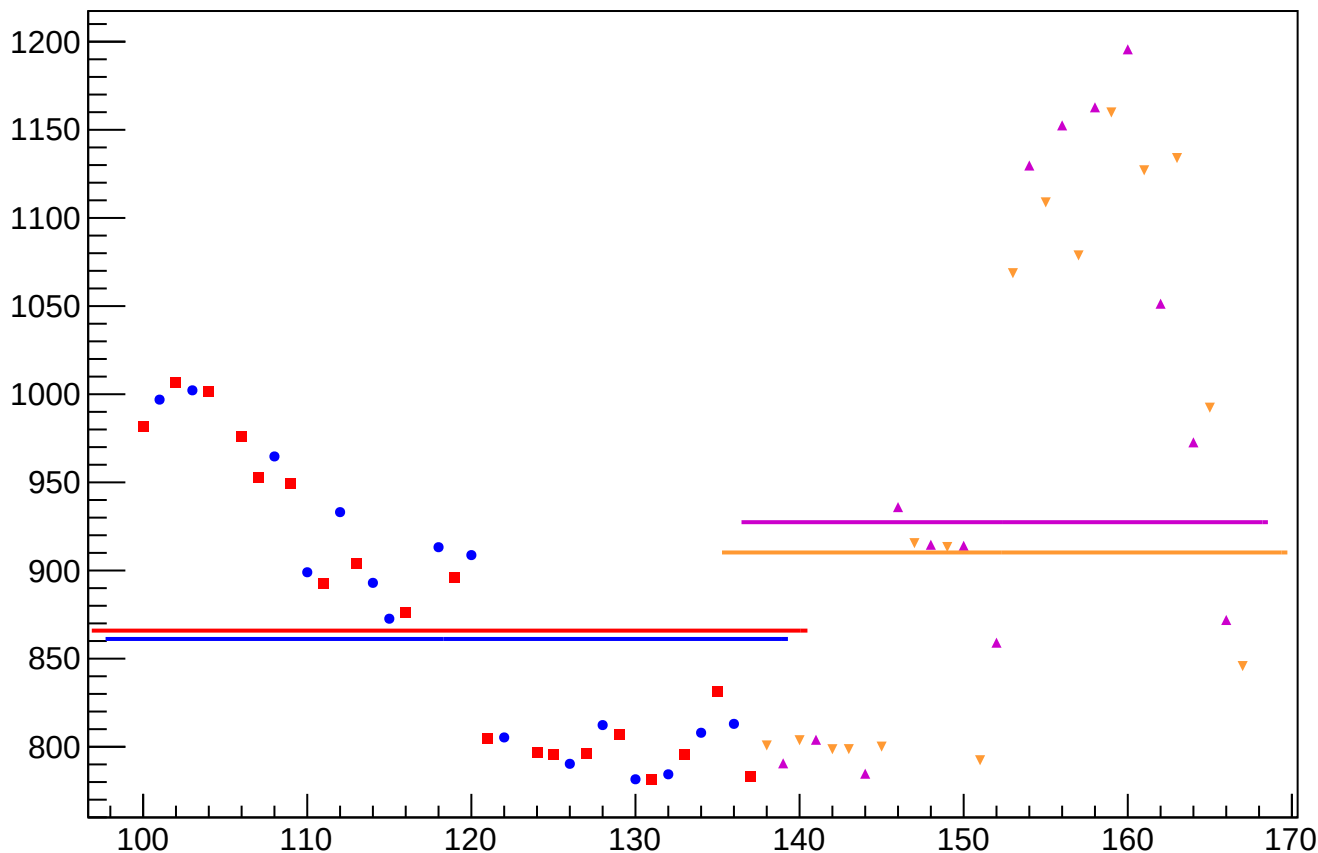
Left In: -3.754 ± 0.277 χ^2/NDF : 883.6/13

+ sign 10.255 ± 0.202 χ^2/NDF : 9298.6/31

All: 9.128 ± 0.145 χ^2/NDF : 18831.2/64

- sign 7.927 ± 0.209 χ^2/NDF : 9468.2/32

diff_bpm2i02Y_rms vs Slug



Right In: 861.169 $\pm$ 0.227 χ^2 /NDF: 113529.7/15

Left Out: 910.234 $\pm$ 0.184 χ^2 /NDF: 525457.2/15

Right Out: 865.907 $\pm$ 0.224 χ^2 /NDF: 118418.0/18

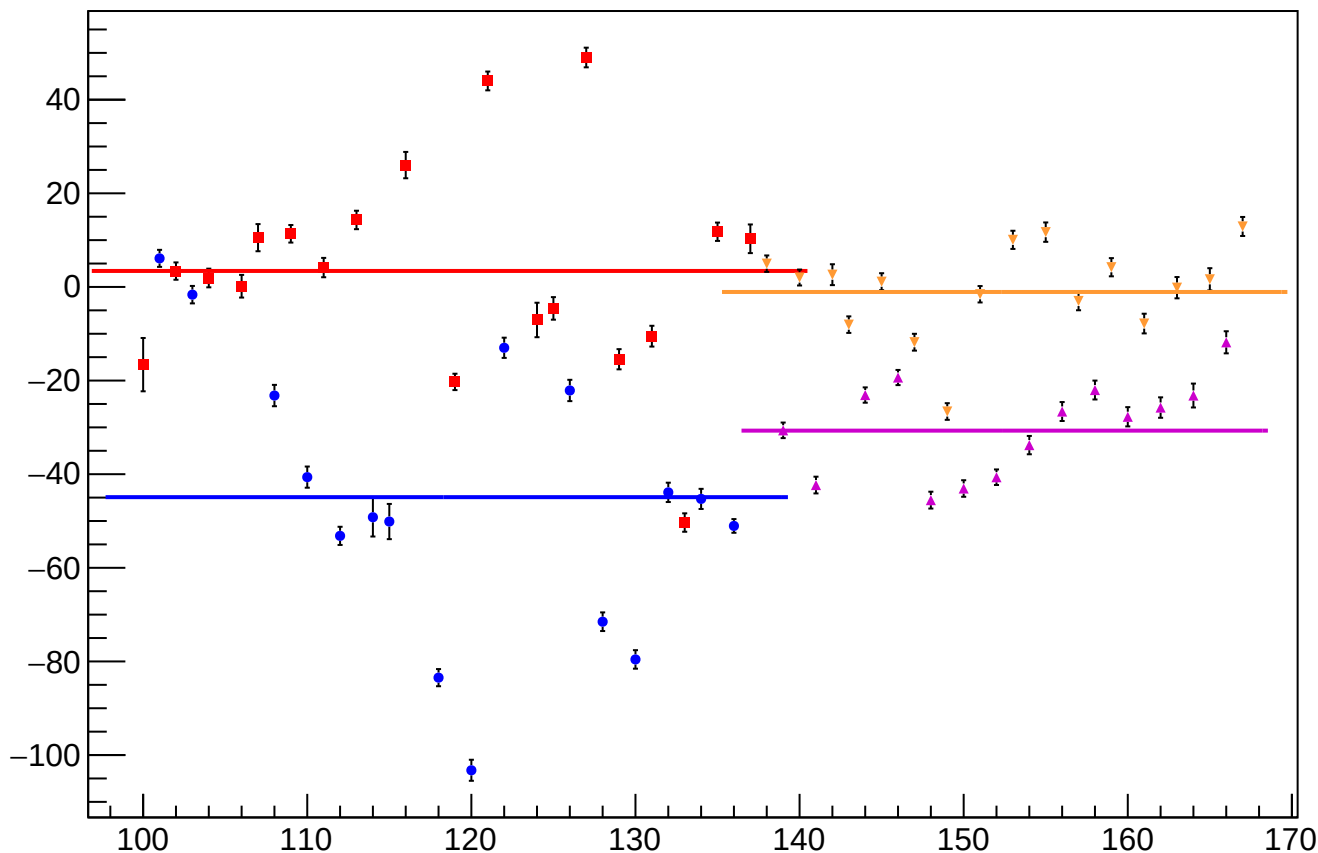
Left In: 927.414 $\pm$ 0.196 χ^2 /NDF: 464991.3/13

+ sign 890.843 $\pm$ 0.143 χ^2 /NDF: 667212.9/31

All: 895.663 $\pm$ 0.103 χ^2 /NDF: 1295688.3/64

- sign 900.803 $\pm$ 0.147 χ^2 /NDF: 626121.0/32

diff_bpm0i02X_mean vs Slug



Right In: -44.905 ± 0.520 χ^2/NDF : 3377.6/15

Left Out: -1.073 ± 0.482 χ^2/NDF : 415.6/15

Right Out: 3.416 ± 0.509 χ^2/NDF : 2102.1/18

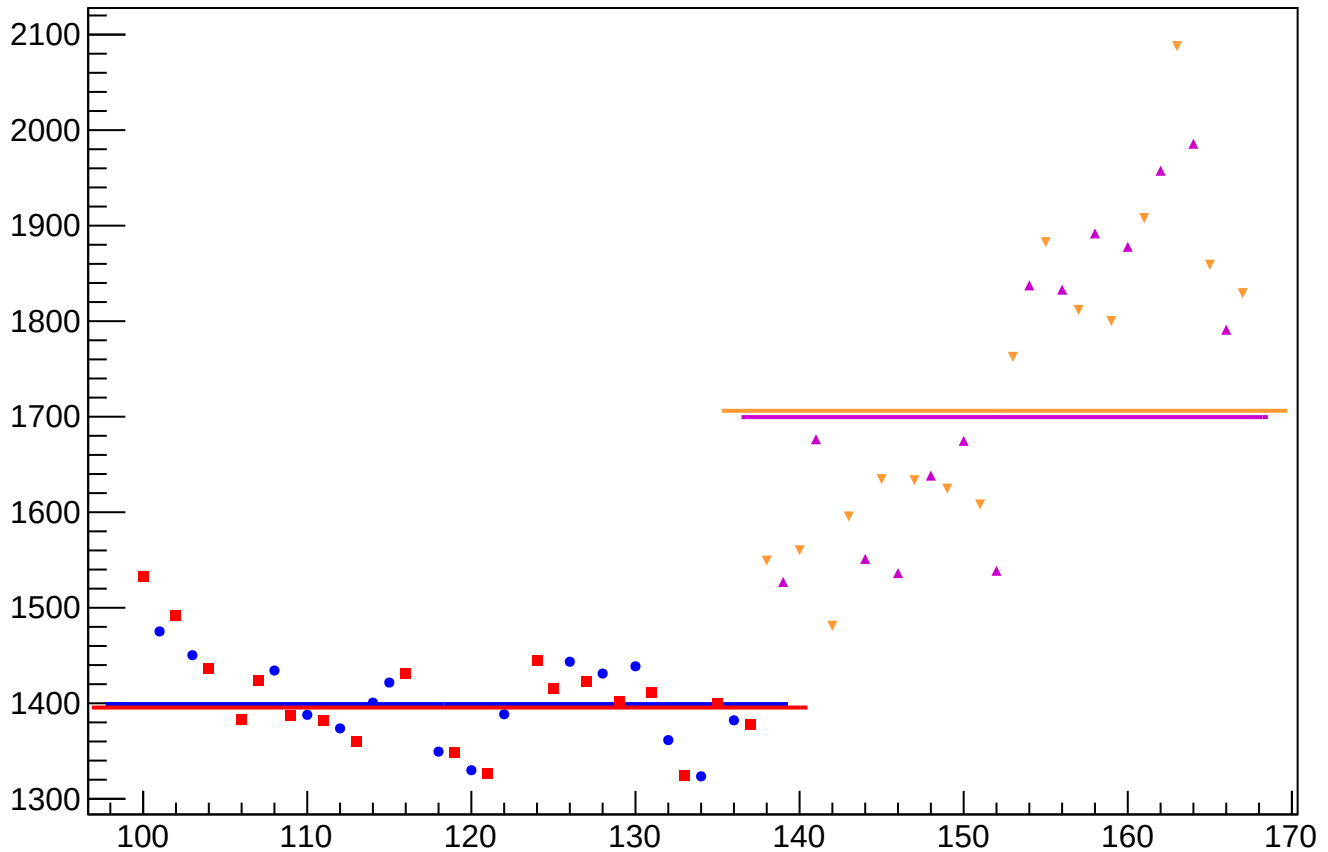
Left In: -30.695 ± 0.503 χ^2/NDF : 370.5/13

+ sign -21.334 ± 0.353 χ^2/NDF : 7615.5/31

All: -17.635 ± 0.251 χ^2/NDF : 12580.8/64

- sign -13.843 ± 0.358 χ^2/NDF : 4743.6/32

diff_bpm0i02X_rms vs Slug



Right In: 1399.172 $\pm$ 0.368 χ^2 /NDF: 14844.1/15

Left Out: 1706.202 $\pm$ 0.341 χ^2 /NDF:192647.0/15

Right Out: 1395.546 $\pm$ 0.360 χ^2 /NDF: 16240.9/18

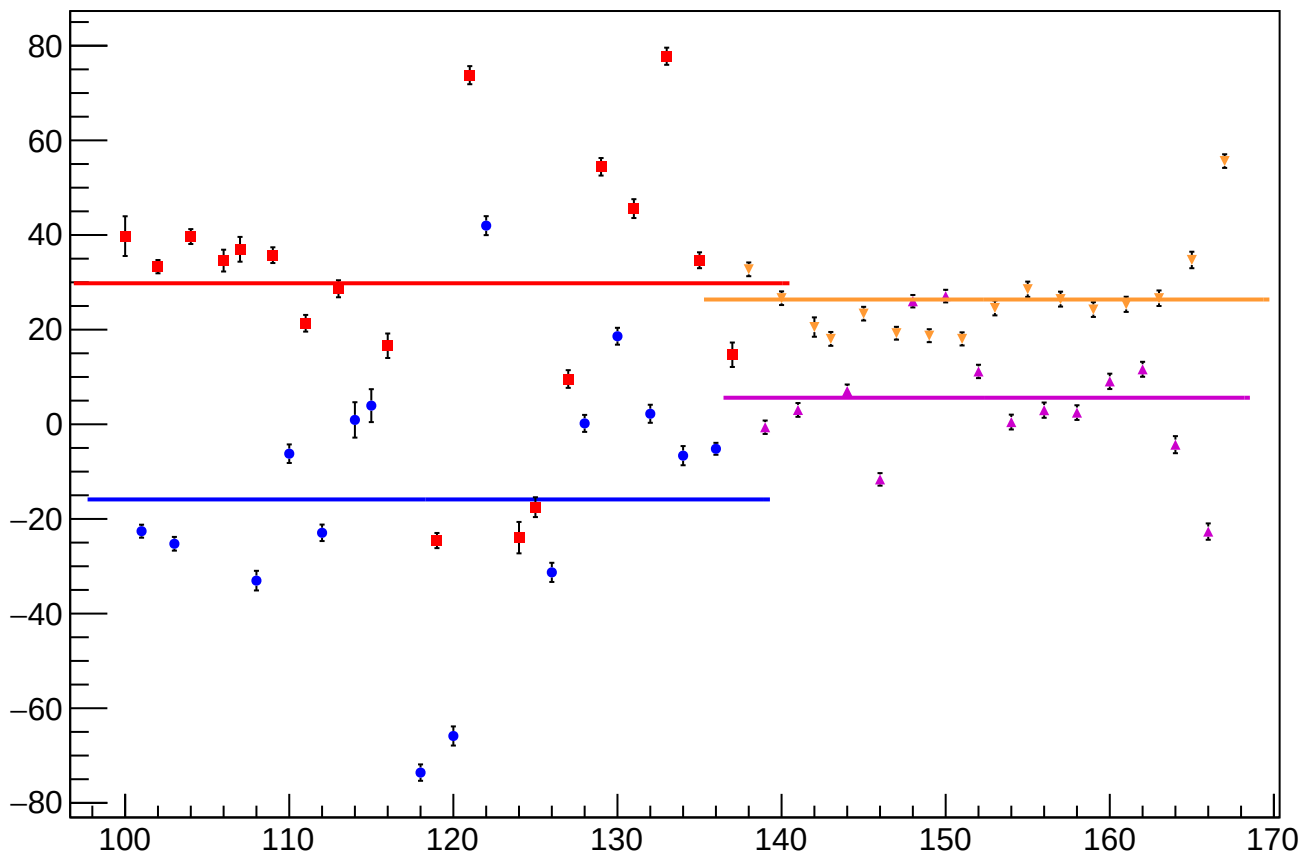
Left In: 1699.571 $\pm$ 0.356 χ^2 /NDF:188034.5/13

+ sign 1564.278 $\pm$ 0.250 χ^2 /NDF: 582582.9/31

All: 1556.918 $\pm$ 0.178 χ^2 /NDF: 1149419.9/64

- sign 1549.374 $\pm$ 0.253 χ^2 /NDF: 565081.1/32

diff_bpm0i02Y_mean vs Slug



Right In: -15.878 ± 0.455 χ^2/NDF : 3477.8/15

Left Out: 26.369 ± 0.381 χ^2/NDF : 599.7/15

Right Out: 29.801 ± 0.444 χ^2/NDF : 3681.2/18

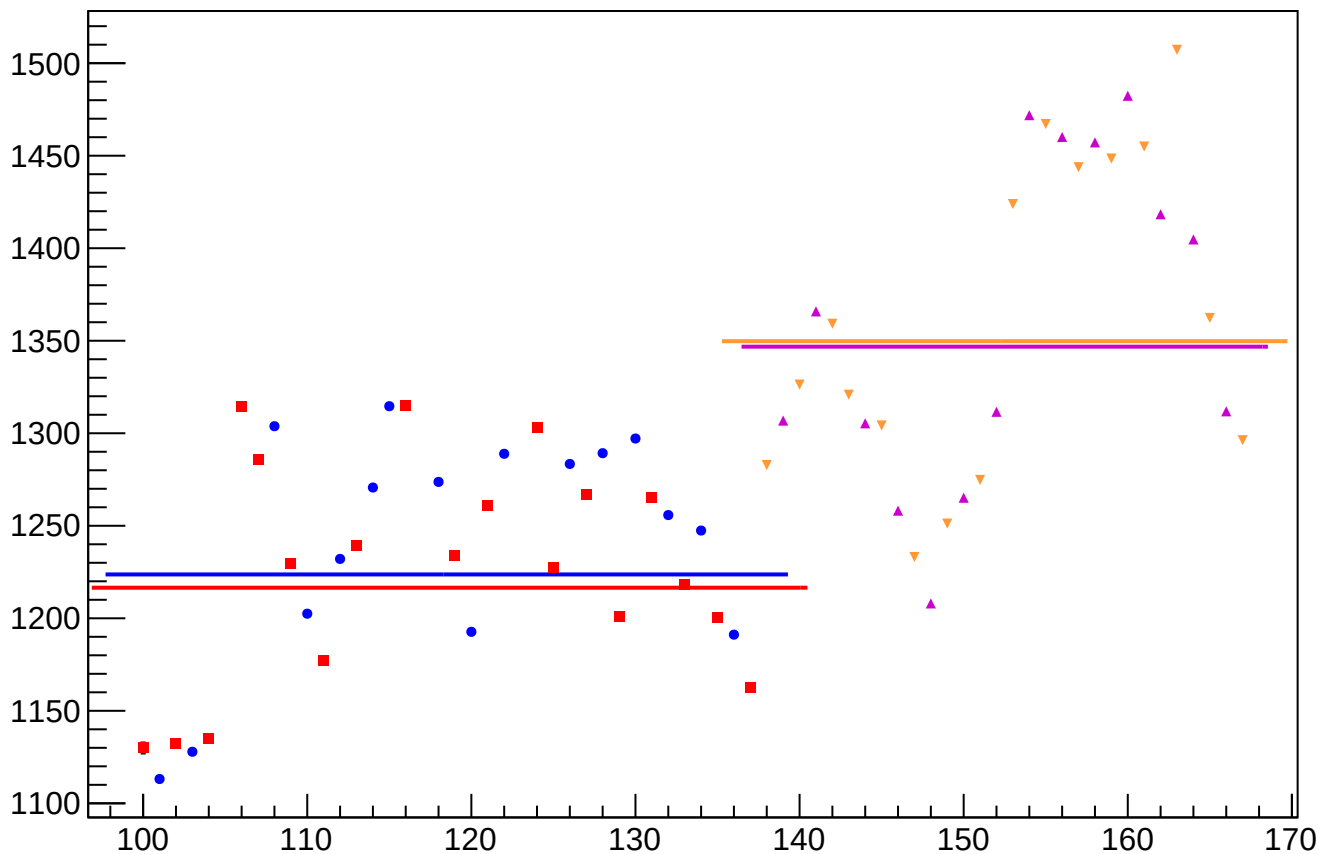
Left In: 5.612 ± 0.398 χ^2/NDF : 1041.3/13

+ sign 8.988 ± 0.292 χ^2/NDF : 9146.5/31

All: 12.623 ± 0.208 χ^2/NDF : 15829.3/64

- sign 16.366 ± 0.296 χ^2/NDF : 6368.2/32

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702 $\pm$ 0.322 χ^2 /NDF: 40883.8/15

Left Out: 1349.752 $\pm$ 0.269 χ^2 /NDF: 98549.1/15

Right Out: 1216.533 $\pm$ 0.314 χ^2 /NDF: 29381.0/18

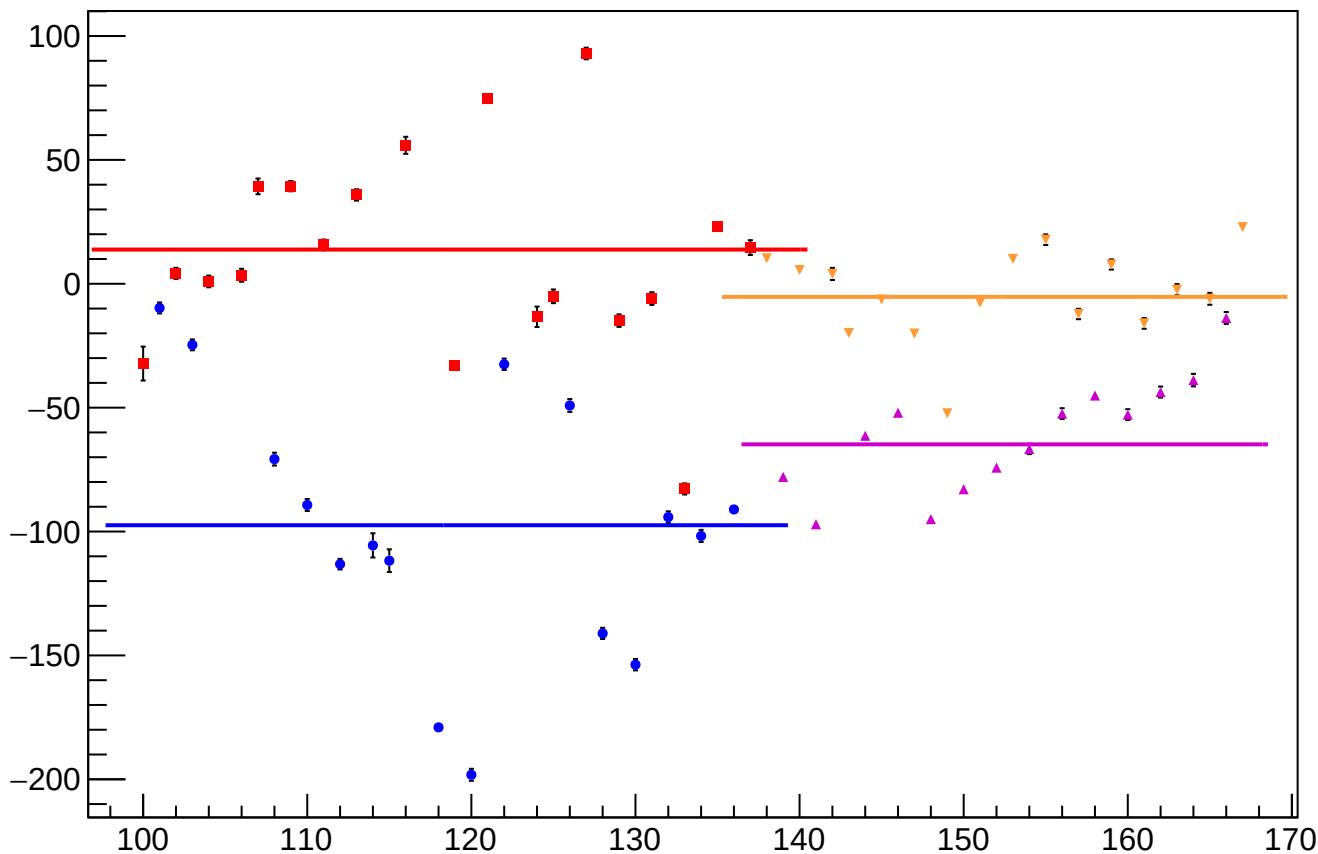
Left In: 1346.796 $\pm$ 0.281 χ^2 /NDF: 97230.4/13

+ sign 1297.895 $\pm$ 0.206 χ^2 /NDF: 229684.6/31

All: 1293.454 $\pm$ 0.147 χ^2 /NDF: 452692.5/64

- sign 1288.881 $\pm$ 0.210 χ^2 /NDF: 222068.7/32

diff_bpm0i02aX_mean vs Slug



Right In: -97.455 ± 0.579 χ^2/NDF : 8300.2/15

Left Out: -5.286 ± 0.495 χ^2/NDF : 1395.2/15

Right Out: 13.816 ± 0.566 χ^2/NDF : 5352.2/18

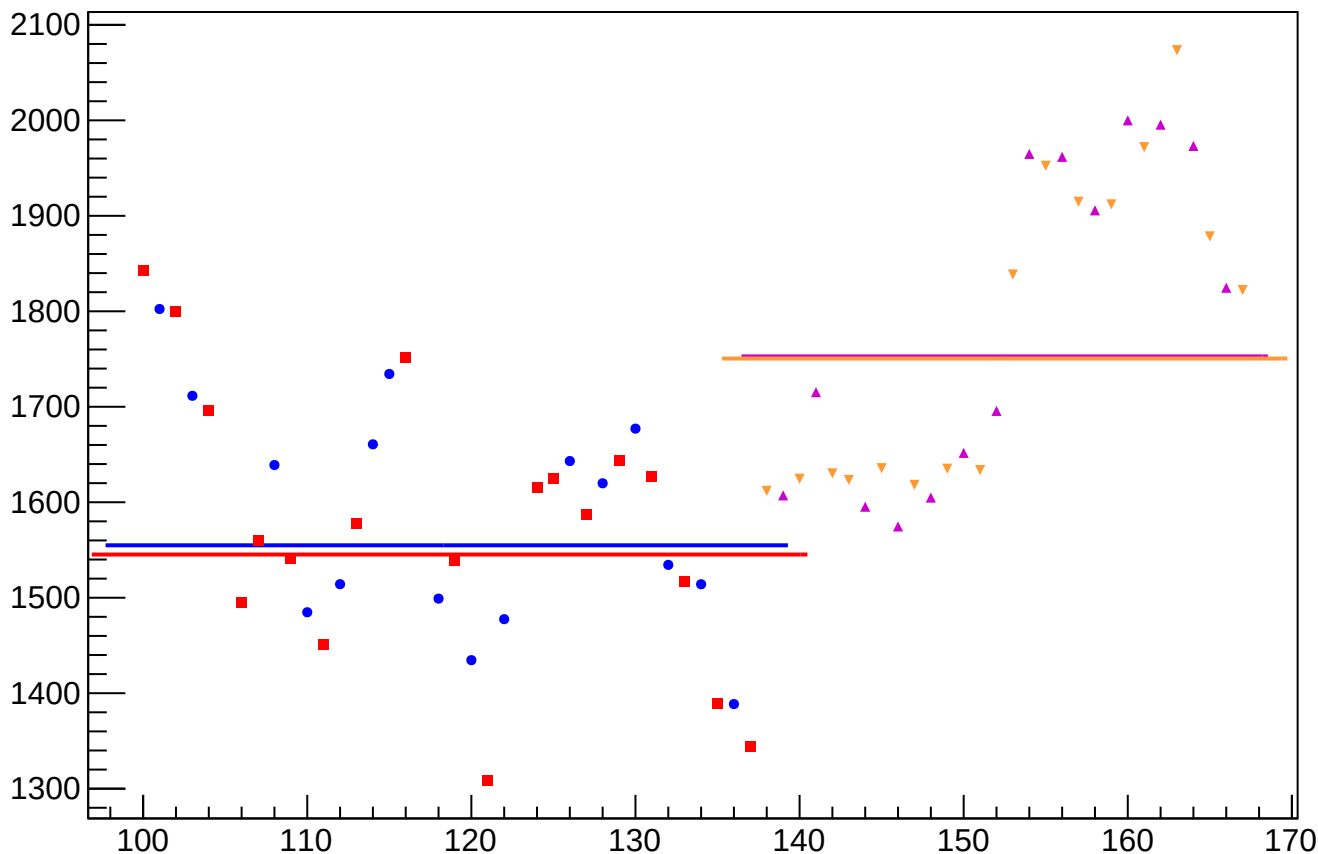
Left In: -64.814 ± 0.519 χ^2/NDF : 1663.4/13

+ sign -44.140 ± 0.376 χ^2/NDF : 24332.4/31

All: -36.644 ± 0.268 χ^2/NDF : 42653.0/64

- sign -28.905 ± 0.382 χ^2/NDF : 17513.8/32

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908 $\pm$ 0.410 χ^2 /NDF: 87920.1/15

Left Out: 1750.520 $\pm$ 0.350 χ^2 /NDF: 188162.6/15

Right Out: 1545.239 $\pm$ 0.400 χ^2 /NDF: 108789.4/18

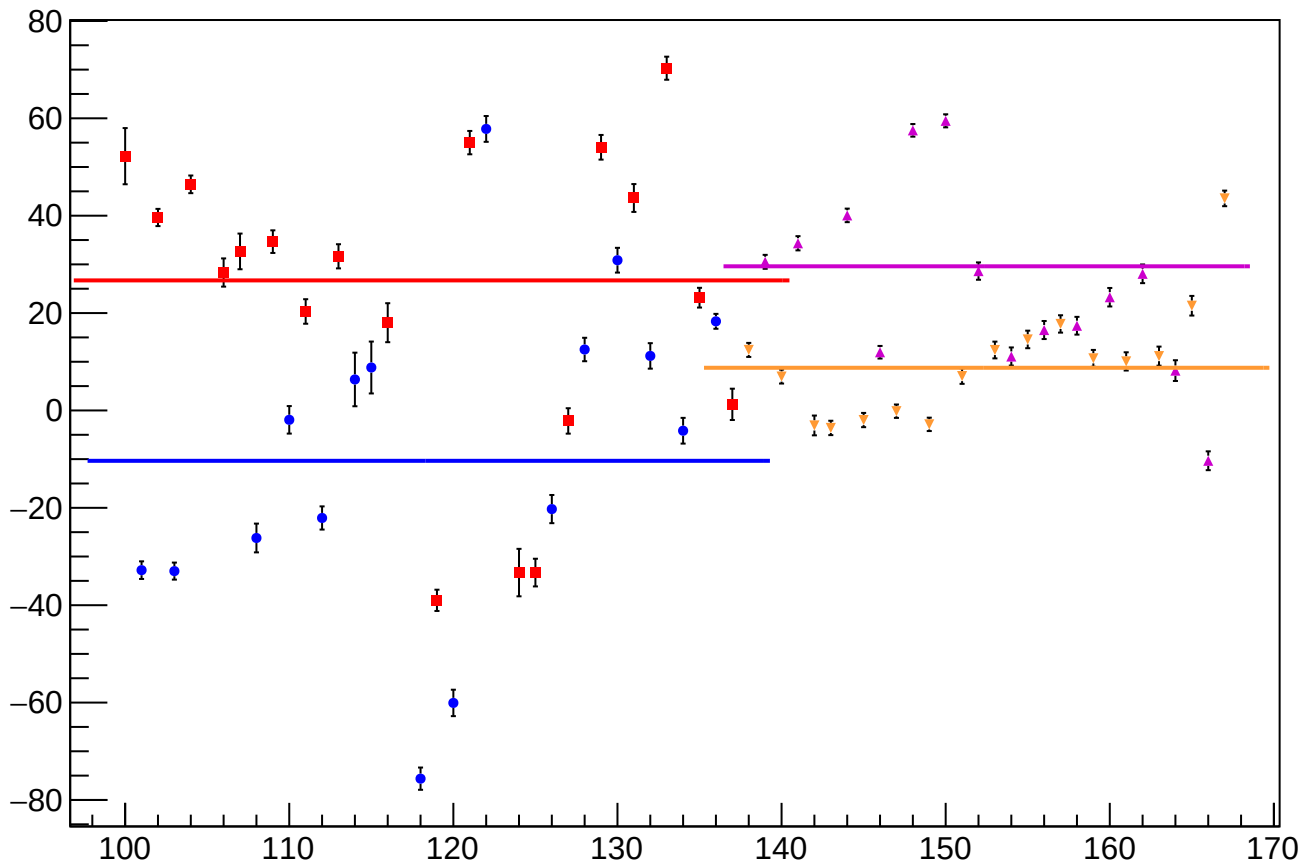
Left In: 1752.765 $\pm$ 0.367 χ^2 /NDF: 194817.1/13

+ sign 1668.061 $\pm$ 0.266 χ^2 /NDF: 407938.7/31

All: 1663.107 $\pm$ 0.190 χ^2 /NDF: 858504.1/64

- sign 1657.993 $\pm$ 0.270 χ^2 /NDF: 449860.7/32

diff_bpm0i02aY_mean vs Slug



Right In: -10.345 $\pm$ 0.603 χ^2 /NDF: 3007.0/15

Left Out: 8.765 $\pm$ 0.406 χ^2 /NDF:835.7/15

Right Out: 26.709 $\pm$ 0.586 χ^2 /NDF: 2540.7/18

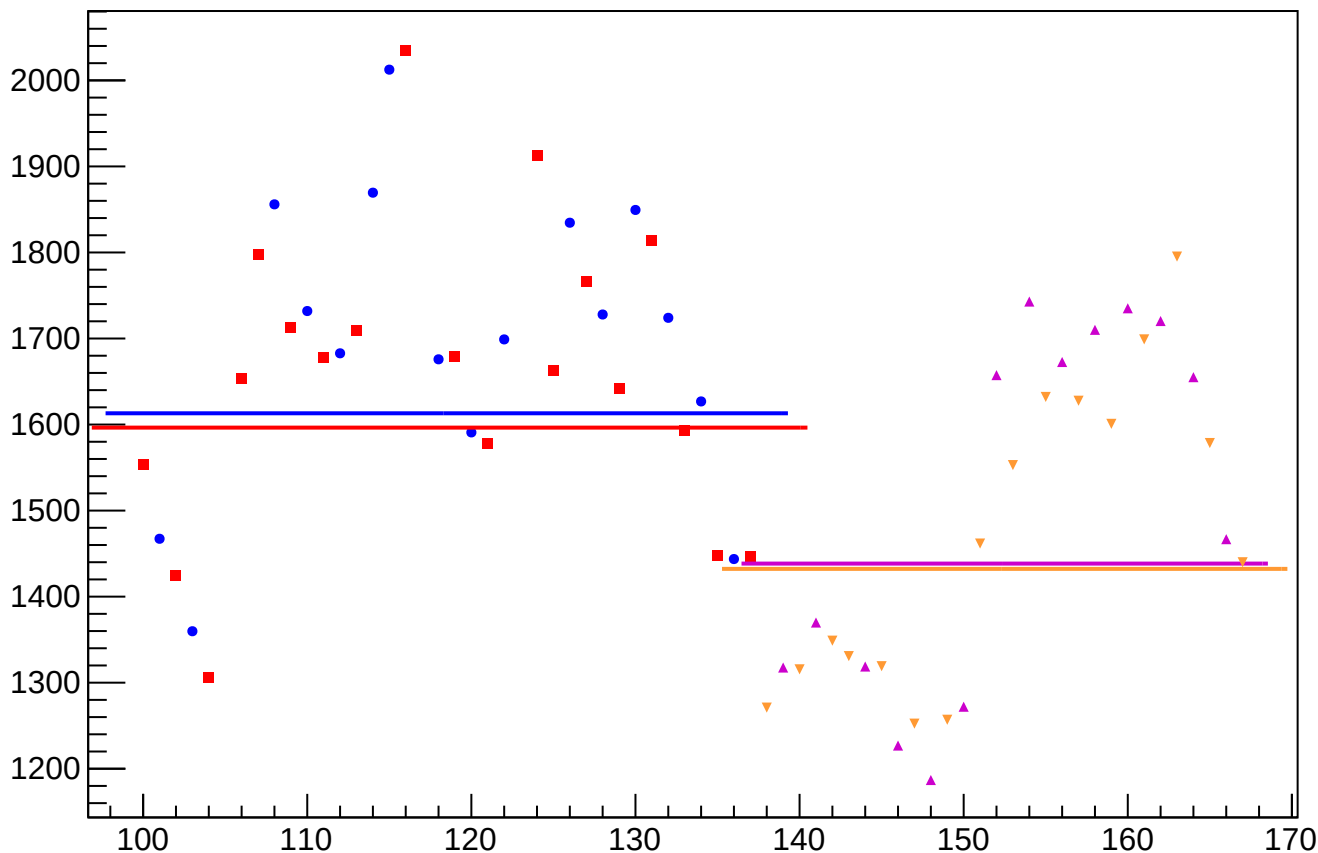
Left In: 29.605 $\pm$ 0.428 χ^2 /NDF:1945.1/13

+ sign 2.802 $\pm$ 0.337 χ^2 /NDF: 4533.3/31

All: 15.360 $\pm$ 0.241 χ^2 /NDF: 11888.8/64

- sign 28.597 $\pm$ 0.346 χ^2 /NDF: 4501.8/32

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094 ± 0.426 $\chi^2/\text{NDF}: 154710.6/15$

Left Out: 1432.262 ± 0.287 $\chi^2/\text{NDF}: 327707.9/15$

Right Out: 1596.442 ± 0.415 $\chi^2/\text{NDF}: 160714.8/18$

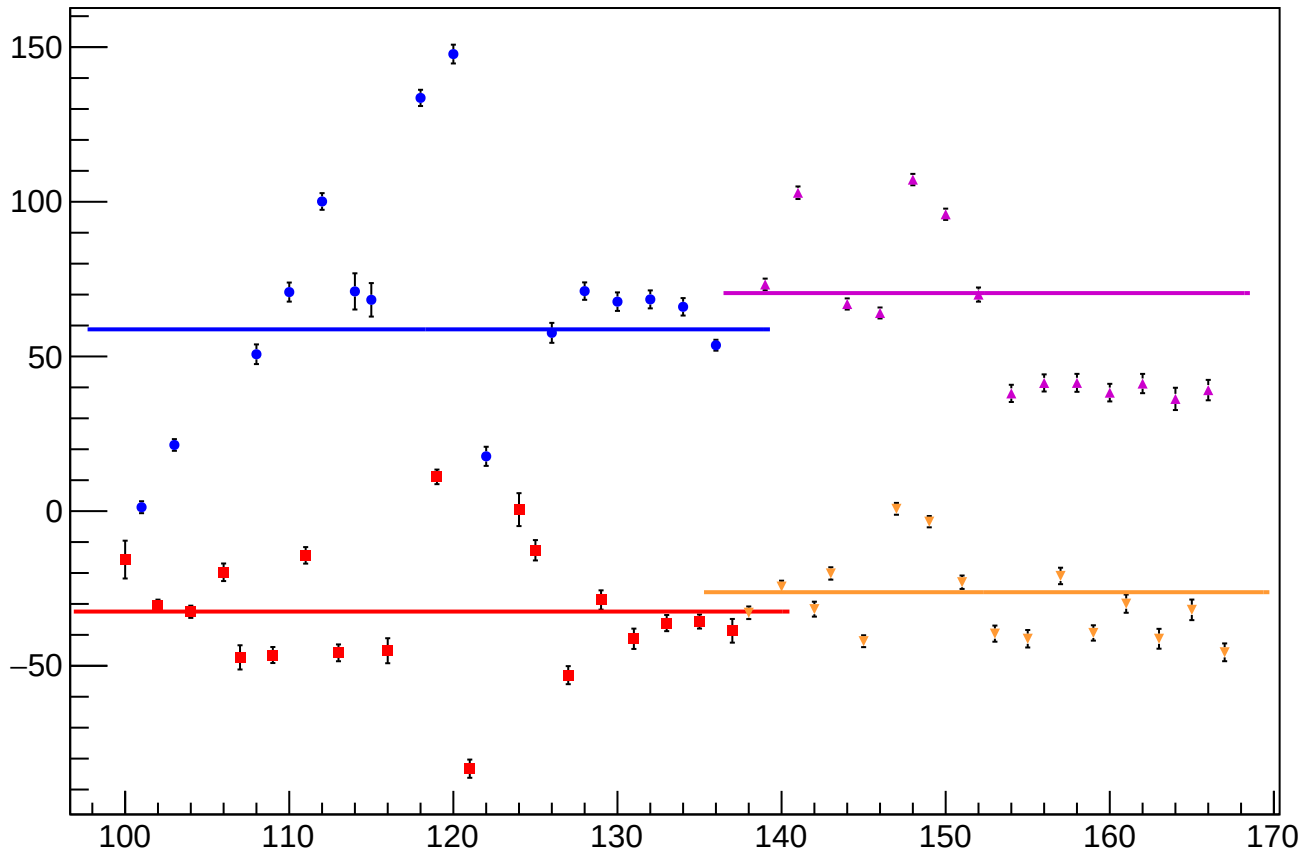
Left In: 1438.412 ± 0.303 $\chi^2/\text{NDF}: 465877.4/13$

+ sign 1488.689 ± 0.238 $\chi^2/\text{NDF}: 606102.5/31$

All: 1490.988 ± 0.171 $\chi^2/\text{NDF}: 1327599.4/64$

- sign 1493.411 ± 0.245 $\chi^2/\text{NDF}: 721305.6/32$

diff_bpm0i05X_mean vs Slug



Right In: 58.761 ± 0.672 χ^2/NDF : 3443.3/15

Left Out: -26.206 ± 0.578 χ^2/NDF : 608.4/15

Right Out: -32.467 ± 0.648 χ^2/NDF : 930.8/18

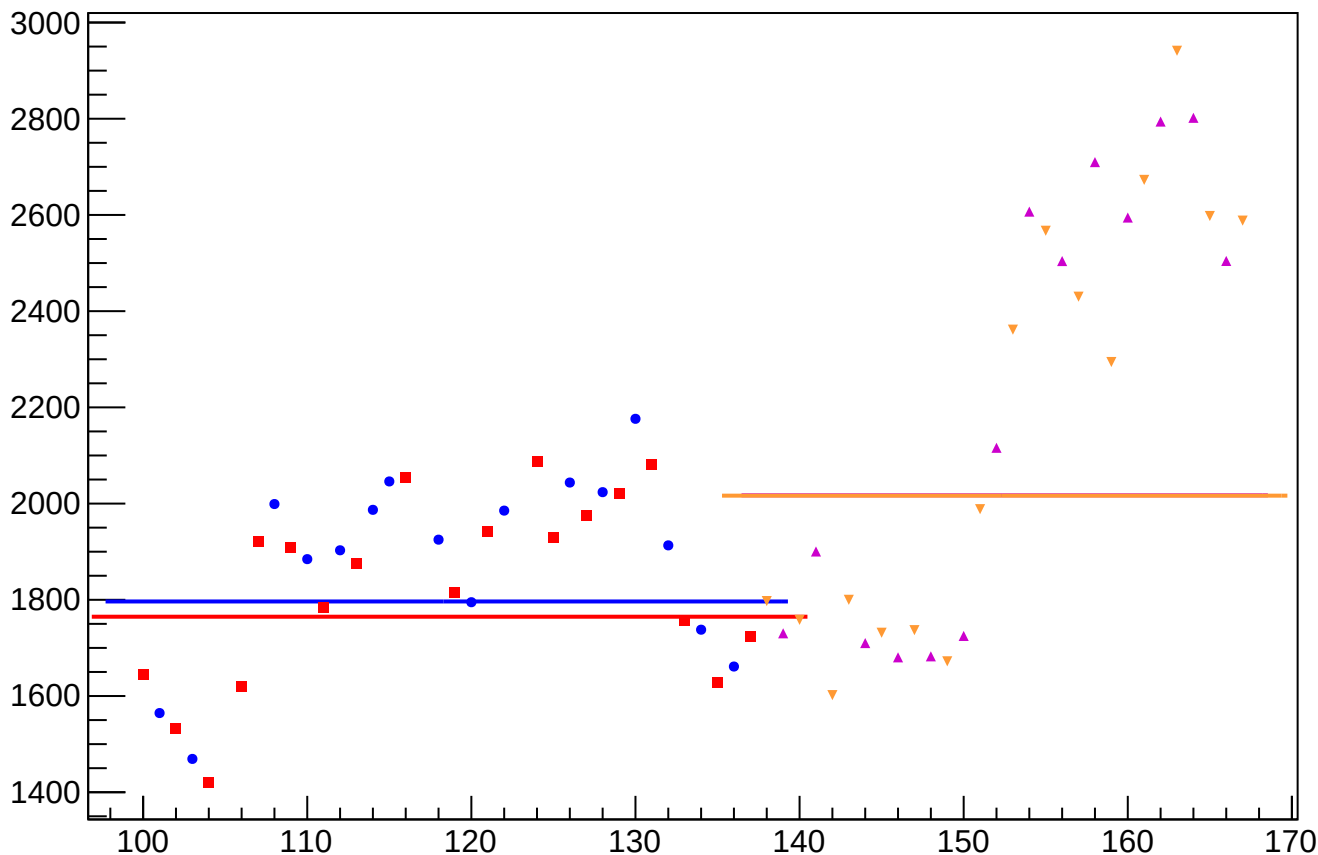
Left In: 70.484 ± 0.607 χ^2/NDF : 1609.3/13

+ sign 9.930 ± 0.439 χ^2/NDF : 13227.2/31

All: 16.086 ± 0.312 χ^2/NDF : 29593.6/64

- sign 22.376 ± 0.443 χ^2/NDF : 15968.0/32

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF : 193171.9/15

Left Out: 2016.490+/-0.409 χ^2/NDF : 889359.6/15

Right Out: 1764.860+/-0.459 χ^2/NDF : 189987.9/18

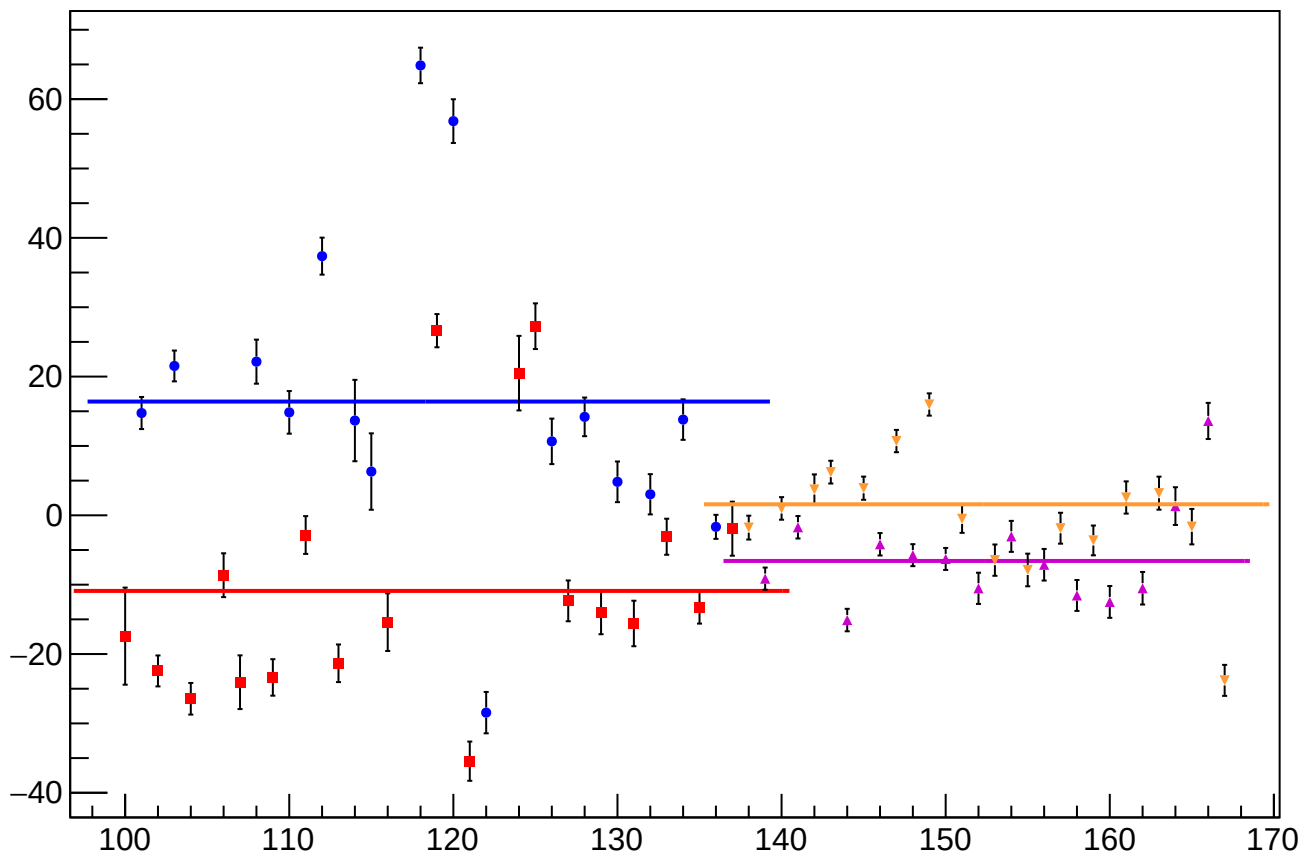
Left In: 2017.203+/-0.429 χ^2/NDF : 915260.3/13

+ sign 1922.952+/-0.310 χ^2/NDF : 1205484.8/31

All: 1911.246+/-0.220 χ^2/NDF : 2474962.3/64

- sign 1899.285+/-0.313 χ^2/NDF : 1266596.2/32

diff_bpm0i05Y_mean vs Slug



Right In: 16.400 ± 0.695 $\chi^2/\text{NDF}: 973.0/15$

Left Out: 1.590 ± 0.489 $\chi^2/\text{NDF}: 296.7/15$

Right Out: -10.899 ± 0.676 $\chi^2/\text{NDF}: 641.7/18$

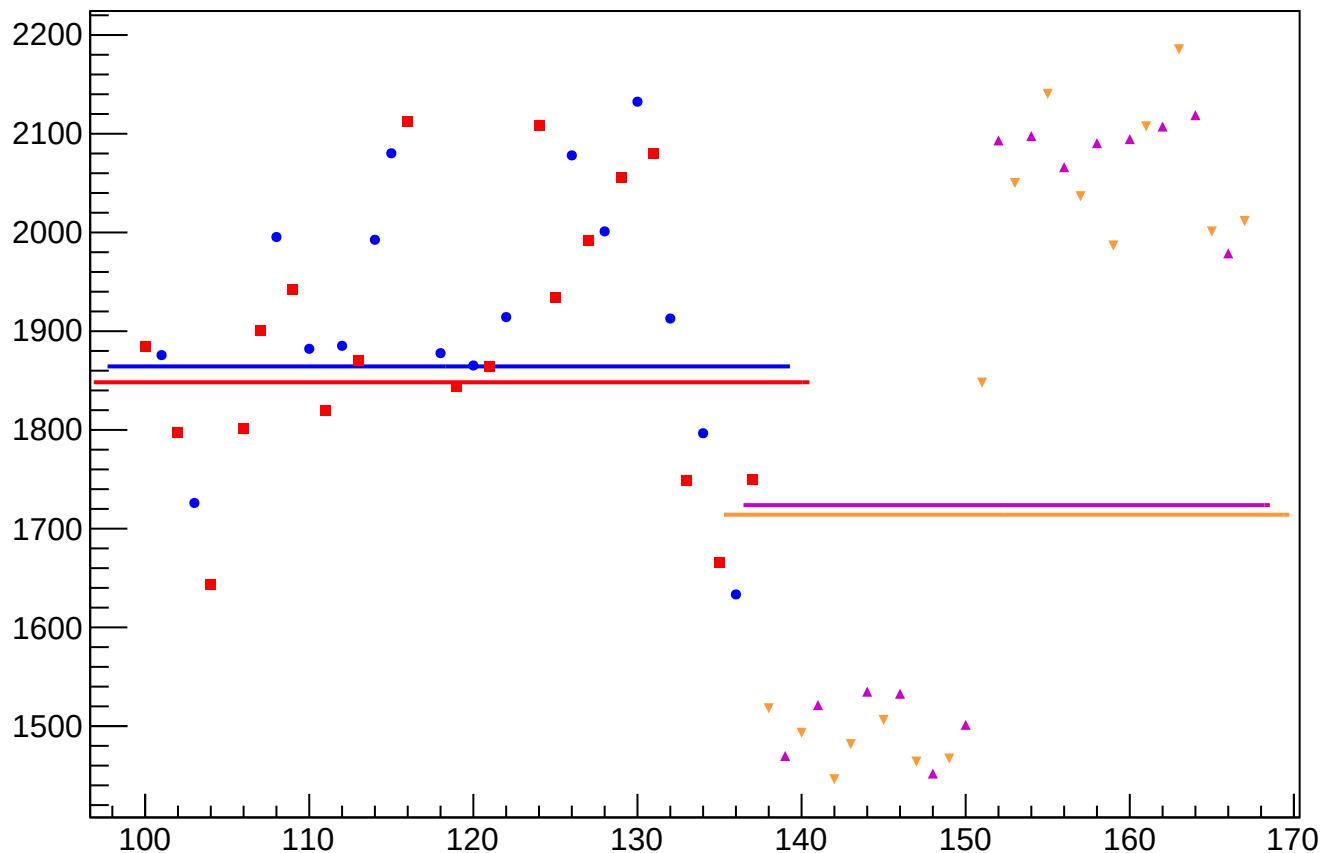
Left In: -6.579 ± 0.515 $\chi^2/\text{NDF}: 130.2/13$

+ sign 6.493 ± 0.400 $\chi^2/\text{NDF}: 1573.4/31$

All: -0.661 ± 0.286 $\chi^2/\text{NDF}: 3026.9/64$

- sign -8.163 ± 0.409 $\chi^2/\text{NDF}: 797.8/32$

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2 /NDF: 83311.5/15

Left Out: 1714.119+/-0.346 χ^2 /NDF: 649011.3/15

Right Out: 1848.284+/-0.478 χ^2 /NDF: 74956.9/18

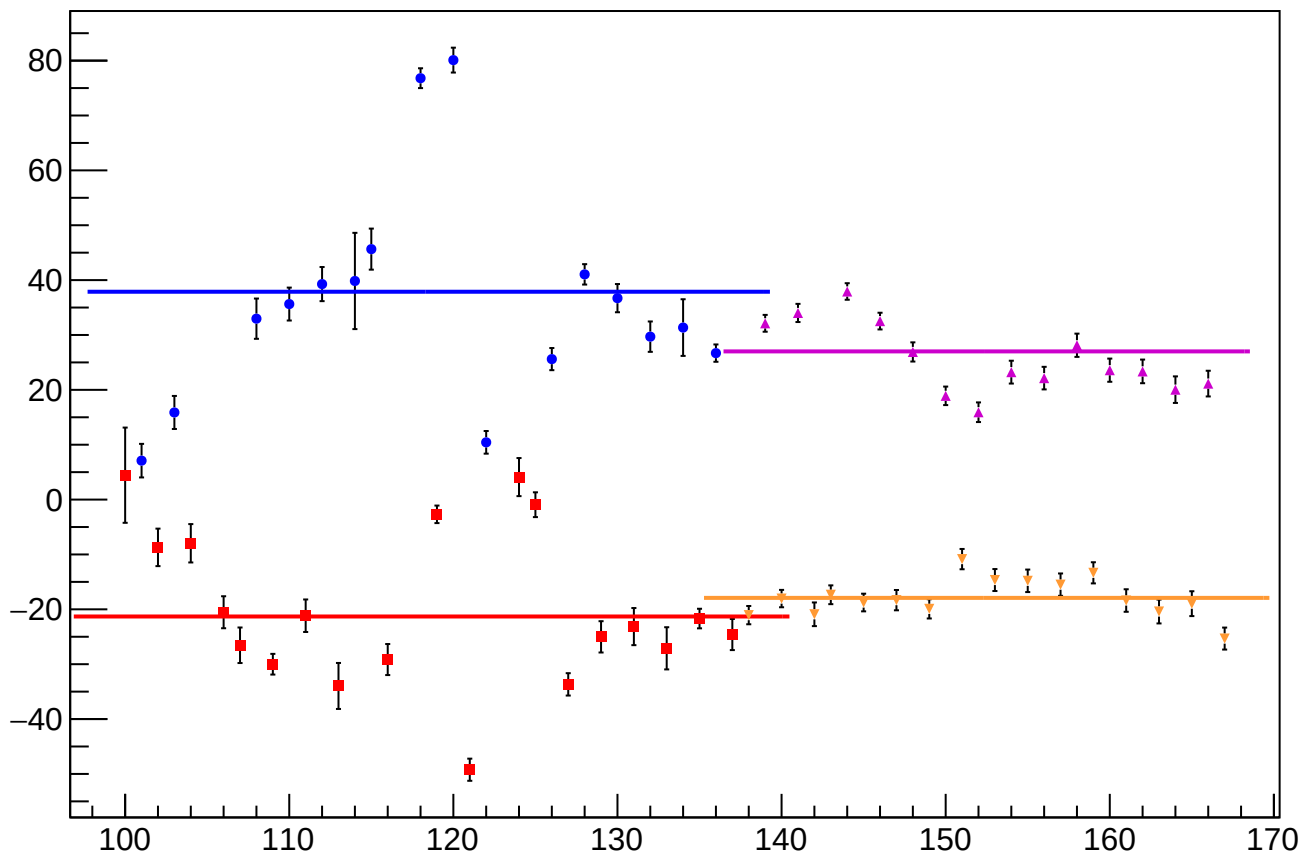
Left In: 1723.846+/-0.364 χ^2 /NDF: 611212.3/13

+ sign 1763.845+/-0.283 χ^2 /NDF: 794831.0/31

All: 1766.591+/-0.202 χ^2 /NDF: 1524084.4/64

- sign 1769.470+/-0.290 χ^2 /NDF: 729060.1/32

diff_bpm0i07X_mean vs Slug



Right In: 37.880 $\pm$ 0.622 χ^2/NDF : 1249.8/15

Left Out: -17.915 $\pm$ 0.471 χ^2/NDF : 49.1/15

Right Out: -21.306 $\pm$ 0.593 χ^2/NDF : 582.6/18

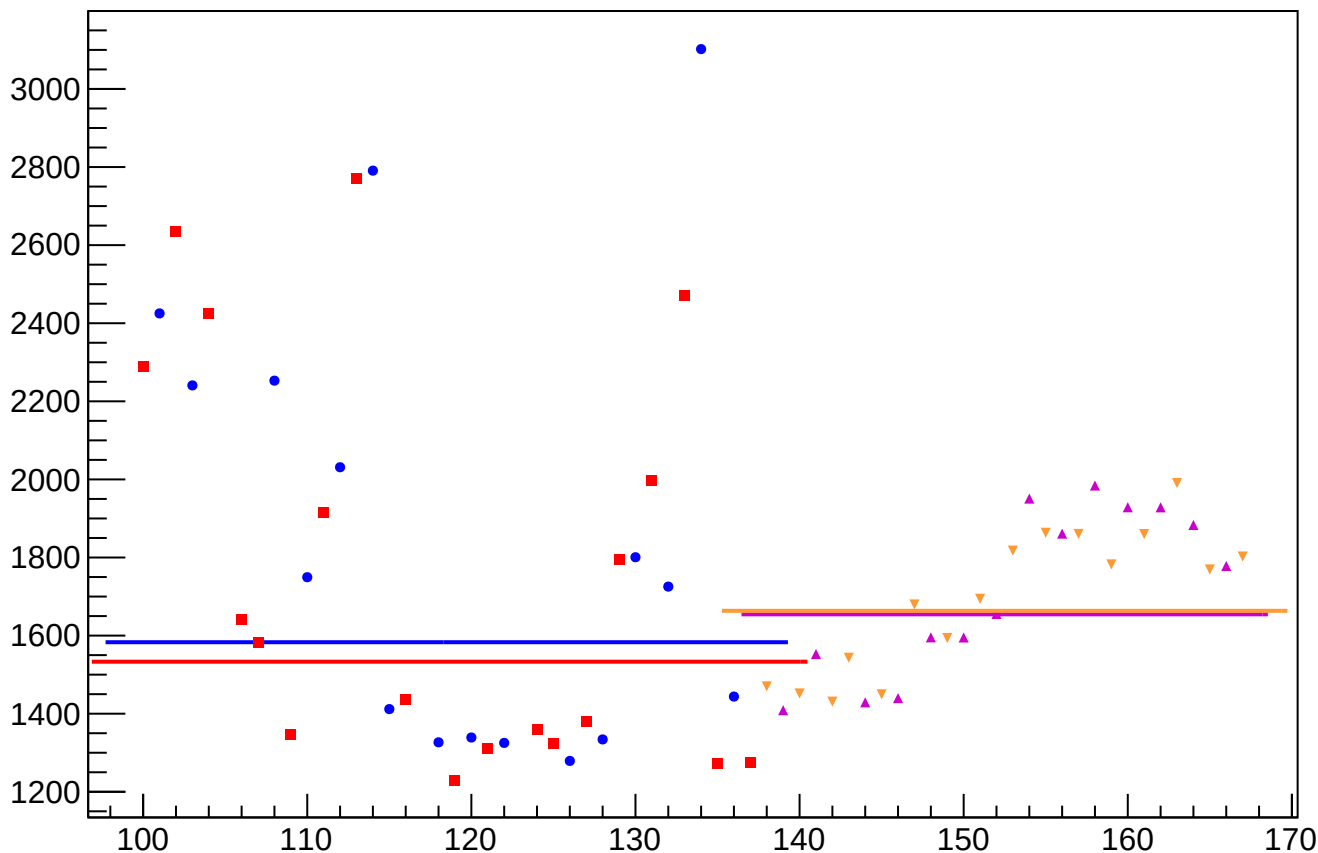
Left In: 27.007 $\pm$ 0.492 χ^2/NDF : 185.3/13

+ sign 2.420 $\pm$ 0.376 χ^2/NDF : 6406.9/31

All: 4.850 $\pm$ 0.267 χ^2/NDF : 11192.4/64

- sign 7.317 $\pm$ 0.379 χ^2/NDF : 4701.2/32

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF : 787672.4/15

Left Out: 1663.488+/-0.333 χ^2/NDF : 269962.5/15

Right Out: 1533.190+/-0.419 χ^2/NDF : 950777.4/18

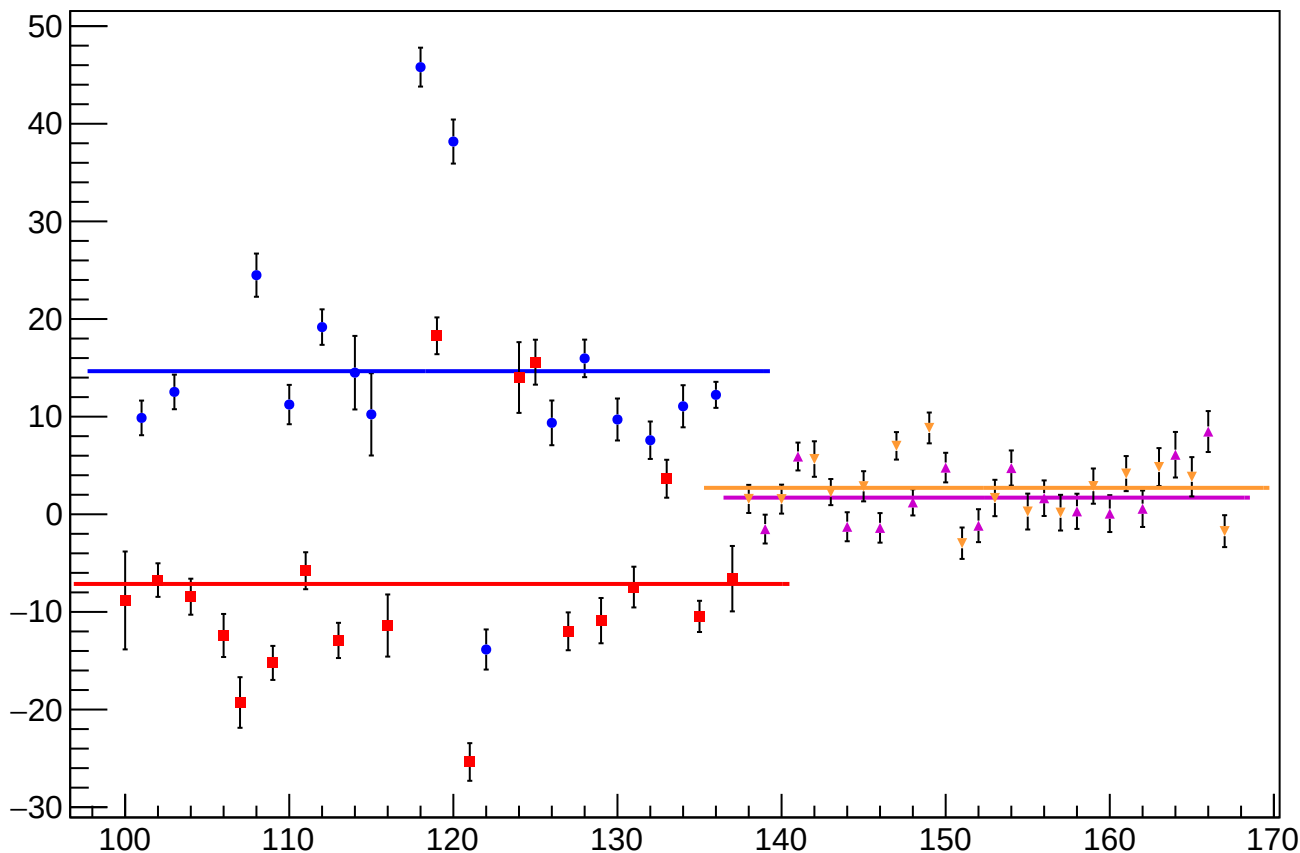
Left In: 1654.470+/-0.348 χ^2/NDF : 346717.1/13

+ sign 1634.172+/-0.266 χ^2/NDF : 1078868.1/31

All: 1619.715+/-0.189 χ^2/NDF : 2431902.3/64

- sign 1605.041+/-0.268 χ^2/NDF : 1347067.5/32

diff_bpm0i07Y_mean vs Slug



Right In: 14.658 ± 0.504 χ^2/NDF : 614.8/15

Left Out: 2.708 ± 0.412 χ^2/NDF : 54.4/15

Right Out: -7.135 ± 0.483 χ^2/NDF : 509.4/18

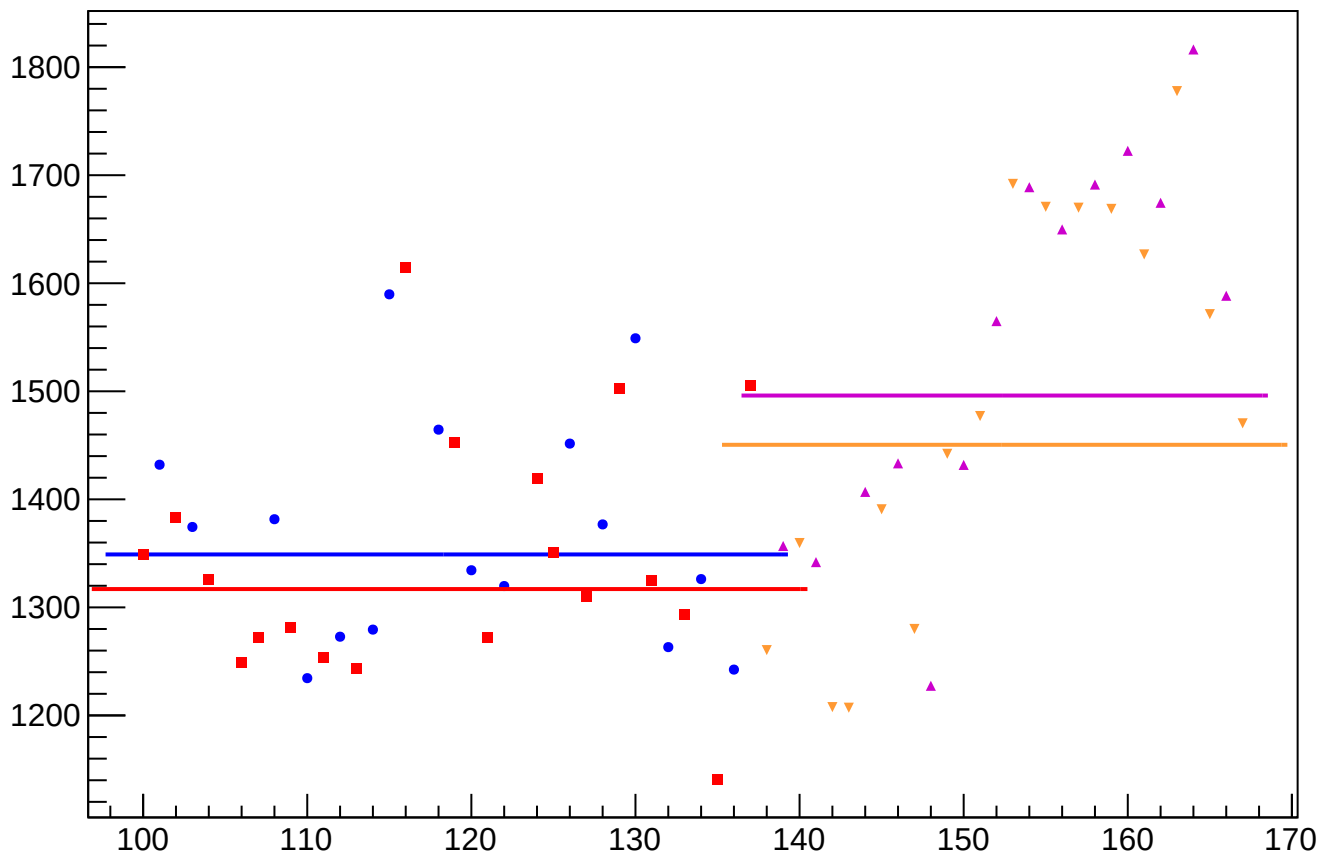
Left In: 1.705 ± 0.444 χ^2/NDF : 47.4/13

+ sign 7.486 ± 0.319 χ^2/NDF : 1005.9/31

All: 2.692 ± 0.228 χ^2/NDF : 2207.1/64

- sign -2.339 ± 0.327 χ^2/NDF : 738.3/32

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000 $\pm$ 0.357 χ^2 /NDF: 68383.7/15

Left Out: 1450.476 $\pm$ 0.291 χ^2 /NDF: 381276.2/15

Right Out: 1316.961 $\pm$ 0.342 χ^2 /NDF: 86873.7/18

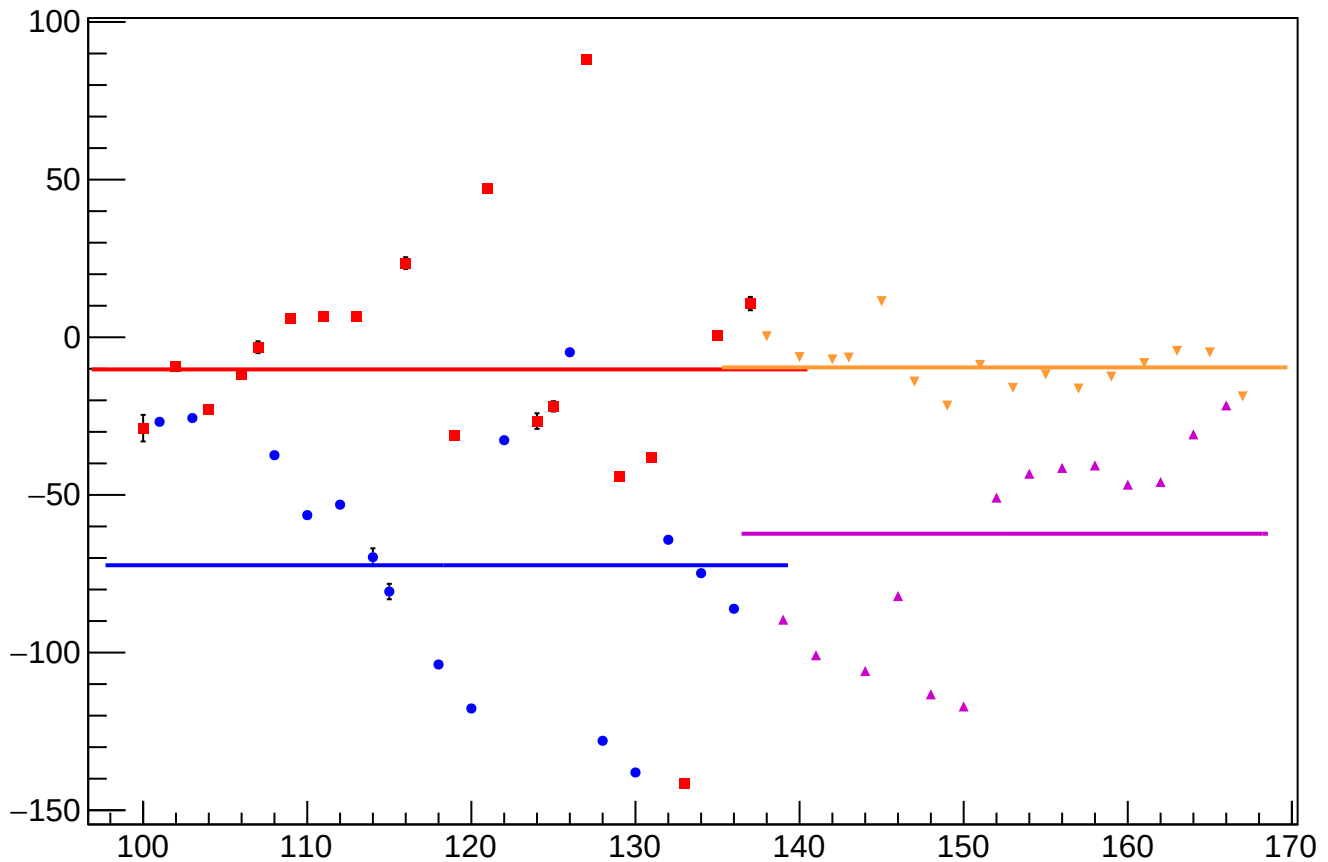
Left In: 1496.073 $\pm$ 0.314 χ^2 /NDF: 288263.9/13

+ sign 1409.900 $\pm$ 0.226 χ^2 /NDF: 498221.3/31

All: 1411.960 $\pm$ 0.161 χ^2 /NDF: 1022614.0/64

- sign 1414.122 $\pm$ 0.231 χ^2 /NDF: 524221.8/32

diff_bpm1i02X_mean vs Slug



Right In: -72.304 ± 0.349 χ^2/NDF : 12153.8/15

Left Out: -9.557 ± 0.238 χ^2/NDF : 977.5/15

Right Out: -10.188 ± 0.345 χ^2/NDF : 19045.9/18

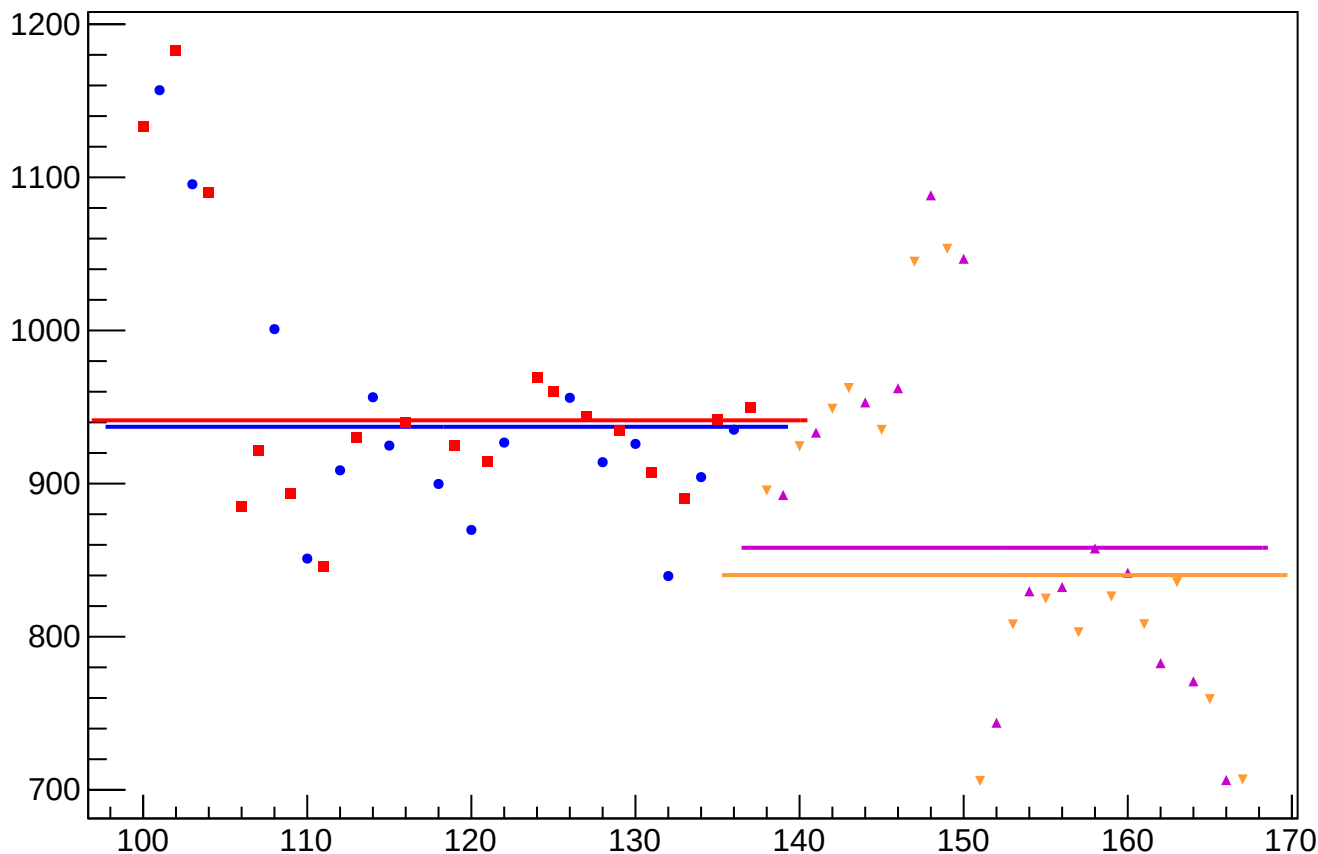
Left In: -62.304 ± 0.255 χ^2/NDF : 14151.1/13

+ sign -29.466 ± 0.197 χ^2/NDF : 35142.3/31

All: -36.399 ± 0.142 χ^2/NDF : 85721.5/64

- sign -43.899 ± 0.205 χ^2/NDF : 47997.1/32

diff_bpm1i02X_rms vs Slug



Right In: 937.097 $\pm$ 0.247 χ^2 /NDF: 104660.4/15

Left Out: 840.234 $\pm$ 0.168 χ^2 /NDF: 349188.1/15

Right Out: 941.323 $\pm$ 0.244 χ^2 /NDF: 101031.2/18

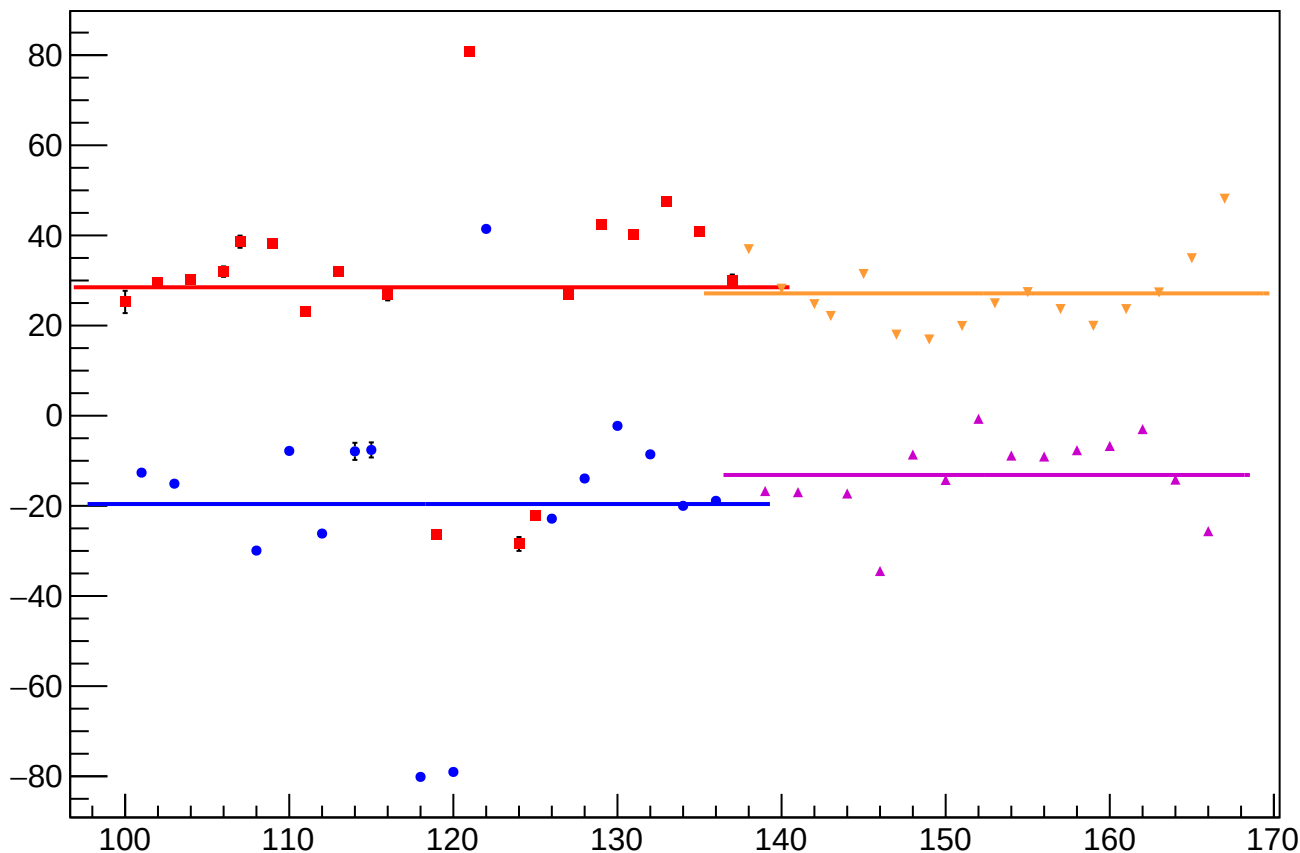
Left In: 858.108 $\pm$ 0.180 χ^2 /NDF: 314652.6/13

+ sign 870.969 $\pm$ 0.139 χ^2 /NDF: 558752.0/31

All: 878.907 $\pm$ 0.100 χ^2 /NDF: 1056675.2/64

- sign 887.496 $\pm$ 0.145 χ^2 /NDF: 491151.8/32

diff_bpm1i02Y_mean vs Slug



Right In: -19.597 ± 0.234 χ^2/NDF : 13170.1/15

Left Out: 27.140 ± 0.186 χ^2/NDF : 2042.6/15

Right Out: 28.496 ± 0.230 χ^2/NDF : 12971.2/18

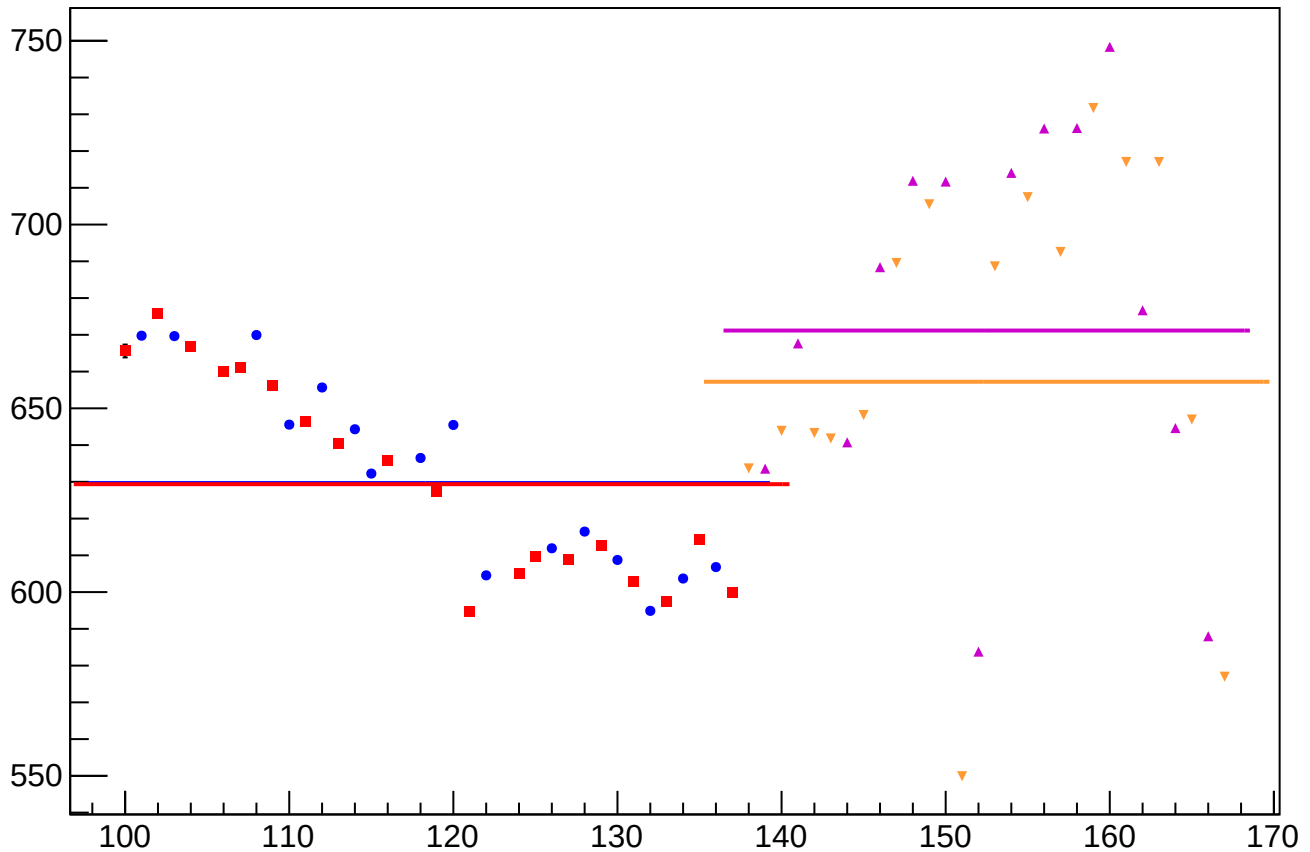
Left In: -13.148 ± 0.198 χ^2/NDF : 1991.0/13

+ sign 9.074 ± 0.146 χ^2/NDF : 39673.5/31

All: 6.934 ± 0.105 χ^2/NDF : 73904.6/64

- sign 4.654 ± 0.150 χ^2/NDF : 33784.2/32

diff_bpm1i02Y_rms vs Slug



Right In: 629.660 $\pm$ 0.166 χ^2 /NDF: 25315.5/15

Left Out: 657.231 $\pm$ 0.131 χ^2 /NDF:168815.2/15

Right Out: 629.361 $\pm$ 0.162 χ^2 /NDF: 26791.2/18

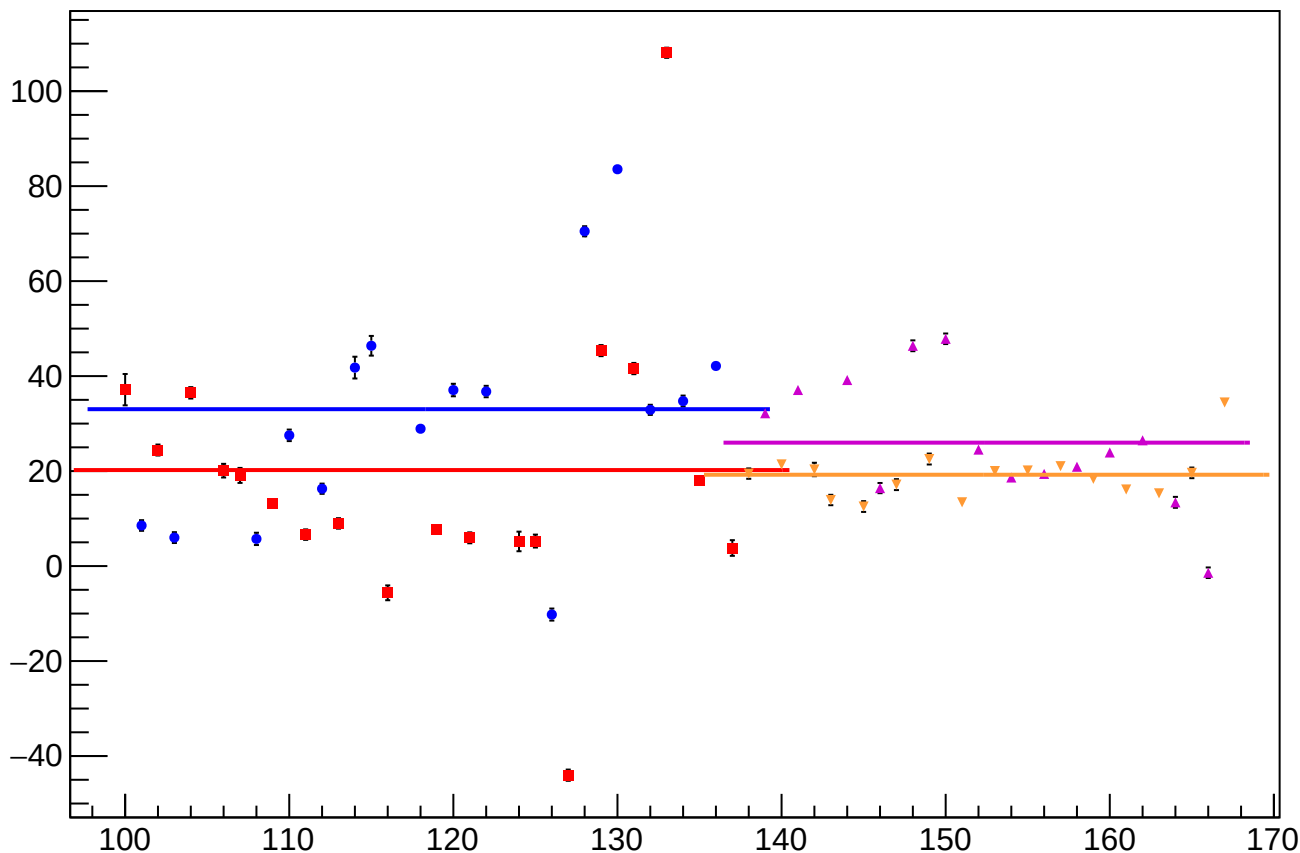
Left In: 671.161 $\pm$ 0.140 χ^2 /NDF:129133.6/13

+ sign 646.574 $\pm$ 0.103 χ^2 /NDF: 211155.3/31

All: 649.827 $\pm$ 0.074 χ^2 /NDF: 407071.3/64

- sign 653.293 $\pm$ 0.106 χ^2 /NDF: 193851.1/32

diff_bpm1i04X_mean vs Slug



Right In: 33.033 ± 0.289 χ^2/NDF : 6700.1/15

Left Out: 19.230 ± 0.264 χ^2/NDF : 411.5/15

Right Out: 20.215 ± 0.286 χ^2/NDF : 11869.7/18

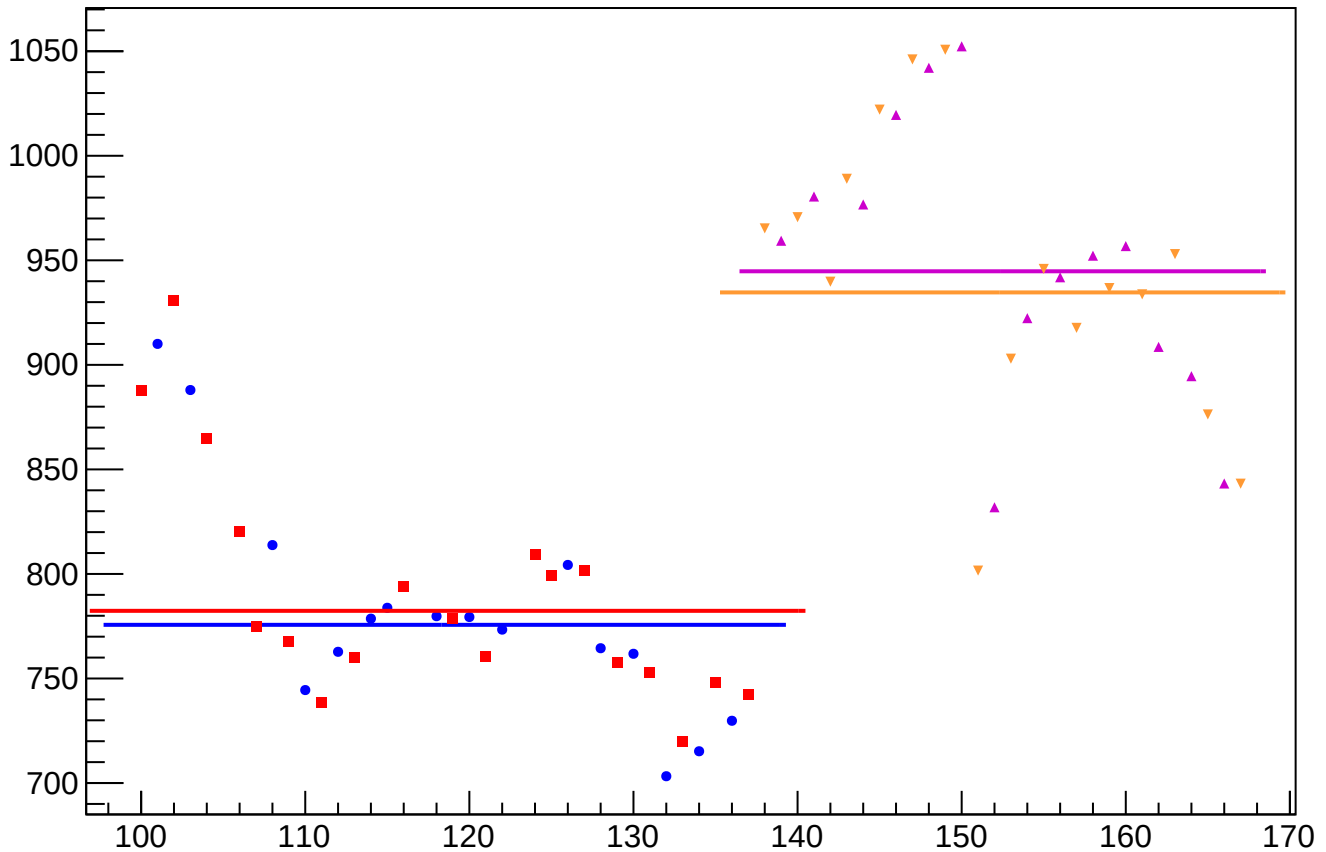
Left In: 25.986 ± 0.279 χ^2/NDF : 1953.6/13

+ sign 25.506 ± 0.195 χ^2/NDF : 8356.4/31

All: 24.368 ± 0.139 χ^2/NDF : 22458.3/64

- sign 23.172 ± 0.200 χ^2/NDF : 14031.9/32

diff_bpm1i04X_rms vs Slug



Right In: 775.664 $\pm$ 0.204 χ^2 /NDF: 74660.0/15

Left Out: 934.648 $\pm$ 0.187 χ^2 /NDF:134323.5/15

Right Out: 782.358 $\pm$ 0.202 χ^2 /NDF: 64566.3/18

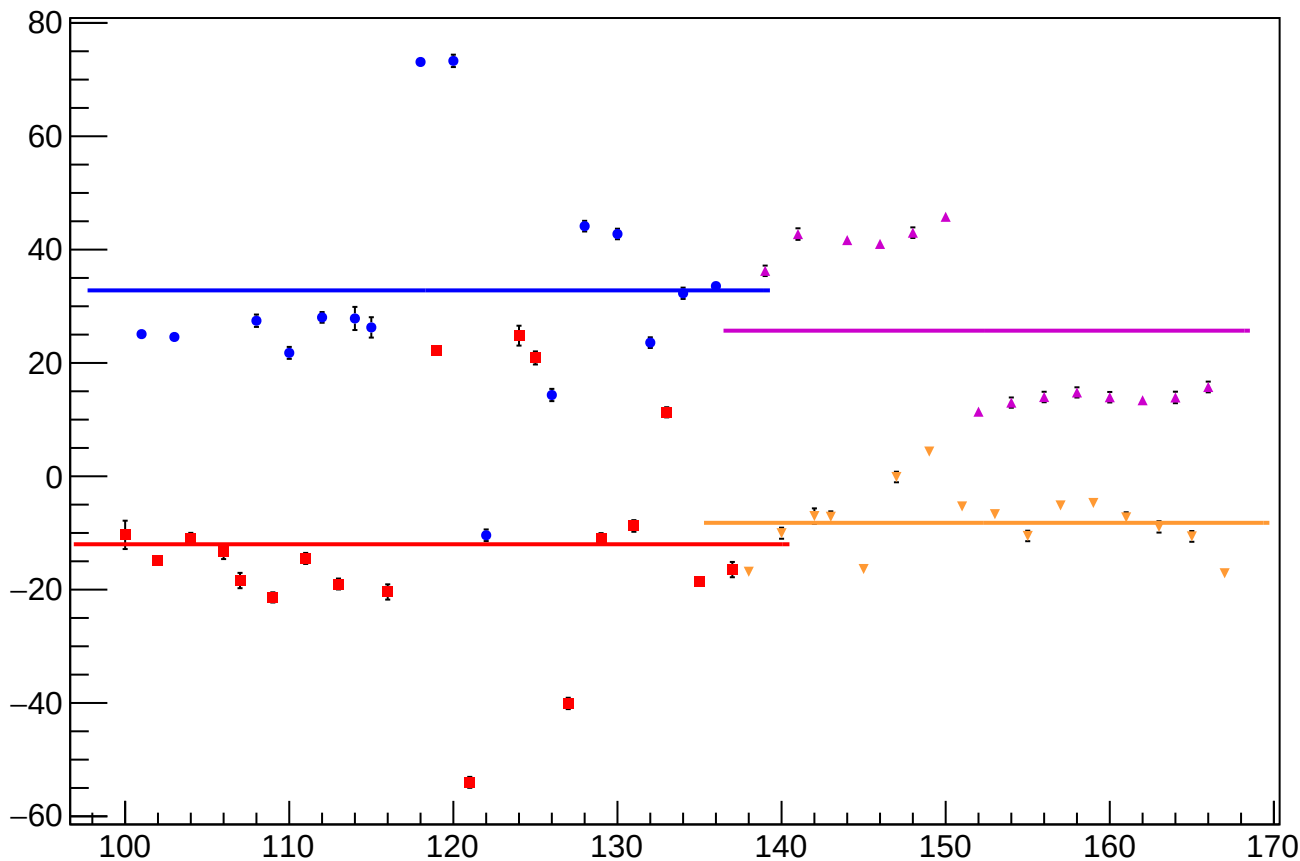
Left In: 944.752 $\pm$ 0.197 χ^2 /NDF:103872.6/13

+ sign 862.366 $\pm$ 0.138 χ^2 /NDF: 539271.2/31

All: 863.924 $\pm$ 0.099 χ^2 /NDF: 1038448.3/64

- sign 865.562 $\pm$ 0.141 χ^2 /NDF: 498914.4/32

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF : 6259.3/15

Left Out: -8.211+/-0.224 χ^2/NDF : 655.9/15

Right Out: -11.994+/-0.241 χ^2/NDF : 6559.7/18

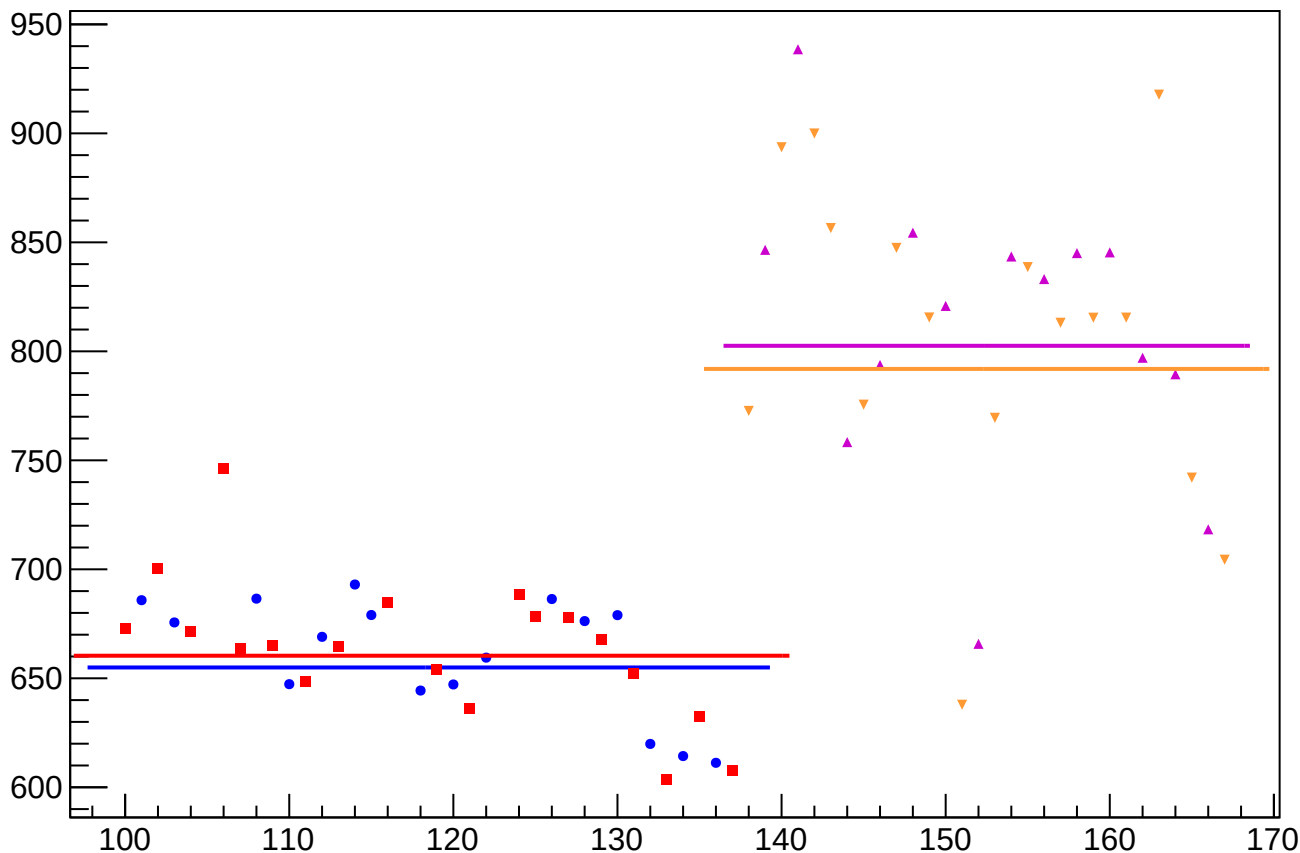
Left In: 25.697+/-0.238 χ^2/NDF : 3510.8/13

+ sign 10.621+/-0.165 χ^2/NDF : 22257.2/31

All: 8.902+/-0.118 χ^2/NDF : 44922.1/64

- sign 7.091+/-0.169 χ^2/NDF : 22442.0/32

diff_bpm1i04Y_rms vs Slug



Right In: 654.970 ± 0.172 $\chi^2/\text{NDF}: 26744.4/15$

Left Out: 791.932 ± 0.159 $\chi^2/\text{NDF}: 224756.3/15$

Right Out: 660.355 ± 0.171 $\chi^2/\text{NDF}: 30417.5/18$

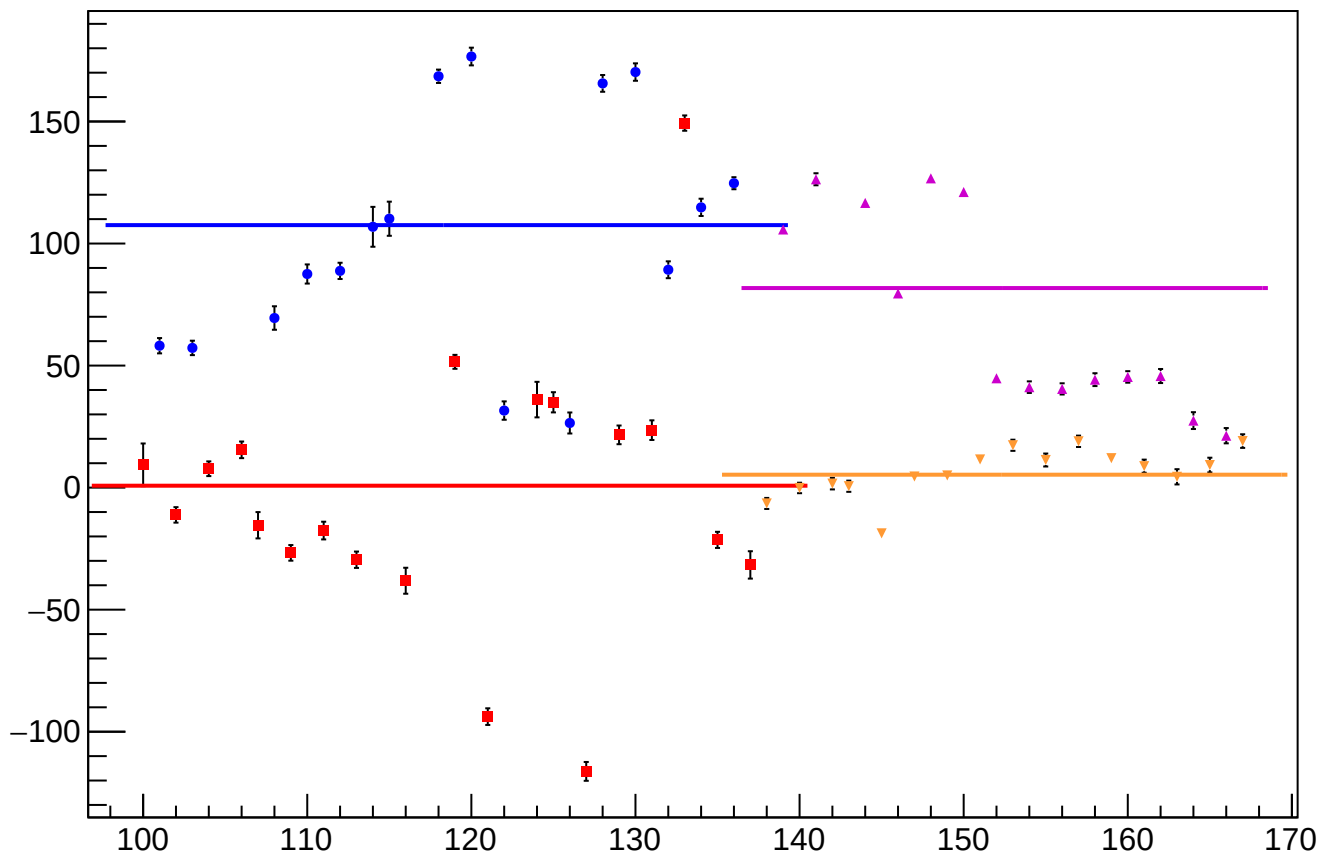
Left In: 802.539 ± 0.168 $\chi^2/\text{NDF}: 156462.1/13$

+ sign 729.046 ± 0.117 $\chi^2/\text{NDF}: 593672.8/31$

All: 730.654 ± 0.084 $\chi^2/\text{NDF}: 1133065.8/64$

- sign 732.349 ± 0.120 $\chi^2/\text{NDF}: 539002.7/32$

diff_bpm1i06X_mean vs Slug



Right In: 107.548 $\pm$ 0.885 χ^2 /NDF: 2955.8/15

Left Out: 5.297 $\pm$ 0.557 χ^2 /NDF: 306.9/15

Right Out: 0.788 $\pm$ 0.861 χ^2 /NDF: 4763.9/18

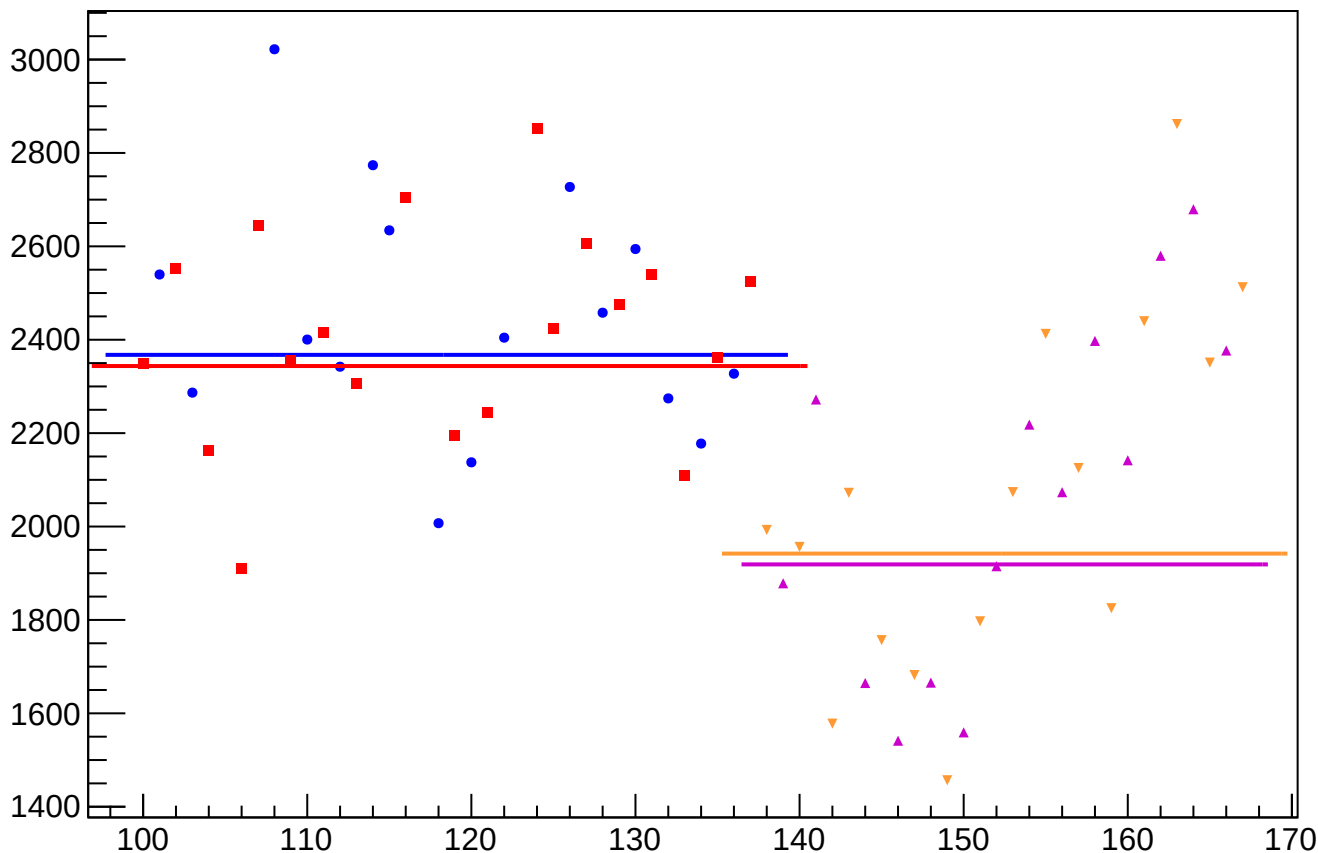
Left In: 81.763 $\pm$ 0.578 χ^2 /NDF: 4164.0/13

+ sign 34.290 $\pm$ 0.471 χ^2 /NDF: 12819.4/31

All: 45.228 $\pm$ 0.336 χ^2 /NDF: 28939.9/64

- sign 56.573 $\pm$ 0.480 χ^2 /NDF: 15023.9/32

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF : 126764.1/15

Left Out: 1942.079+/-0.394 χ^2/NDF : 757066.9/15

Right Out: 2343.704+/-0.609 χ^2/NDF : 112274.4/18

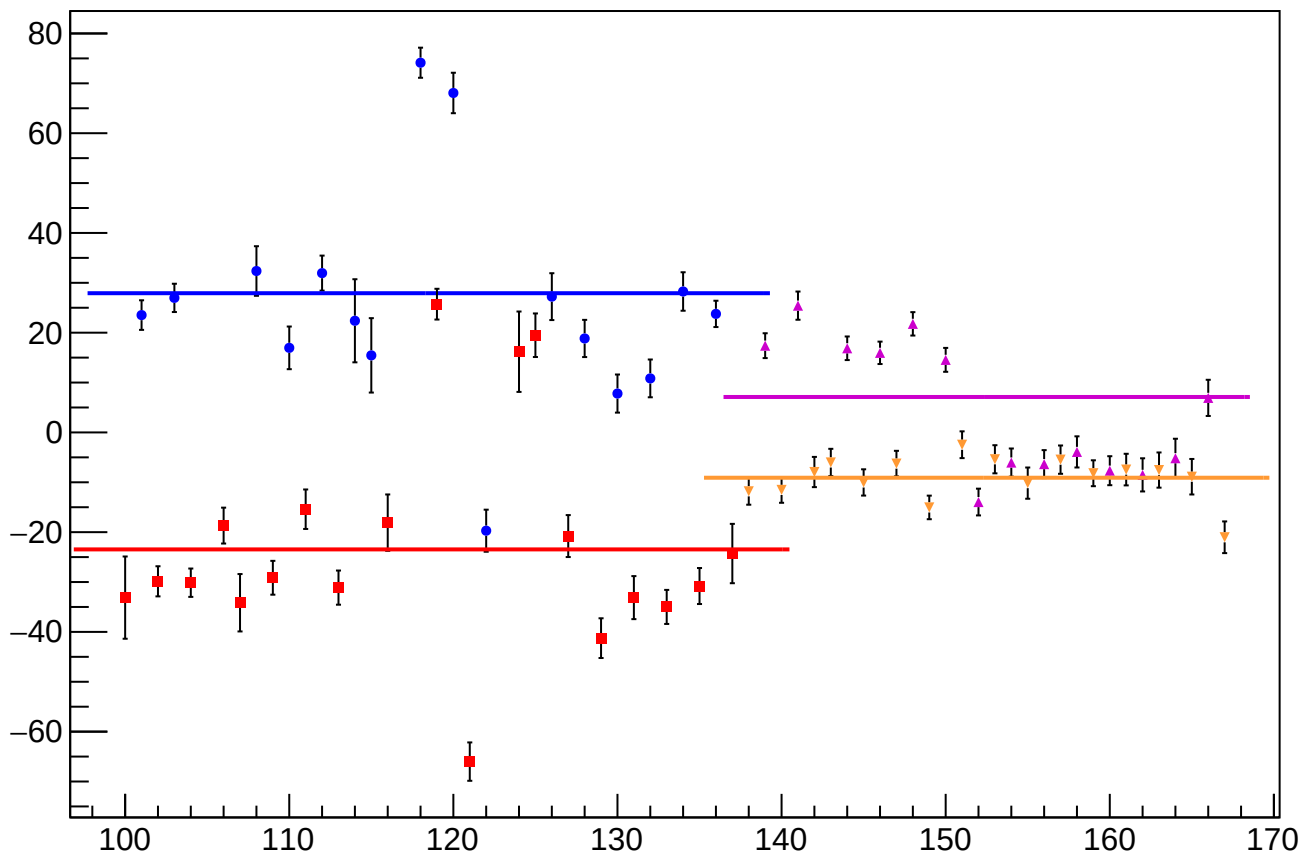
Left In: 1918.916+/-0.409 χ^2/NDF : 693481.2/13

+ sign 2062.745+/-0.333 χ^2/NDF : 1214891.8/31

All: 2057.010+/-0.238 χ^2/NDF : 2356767.1/64

- sign 2051.062+/-0.339 χ^2/NDF : 1141272.4/32

diff_bpm1i06Y_mean vs Slug



Right In: 27.916 ± 0.937 χ^2/NDF : 530.7/15

Left Out: -9.086 ± 0.707 χ^2/NDF : 35.3/15

Right Out: -23.457 ± 0.903 χ^2/NDF : 567.9/18

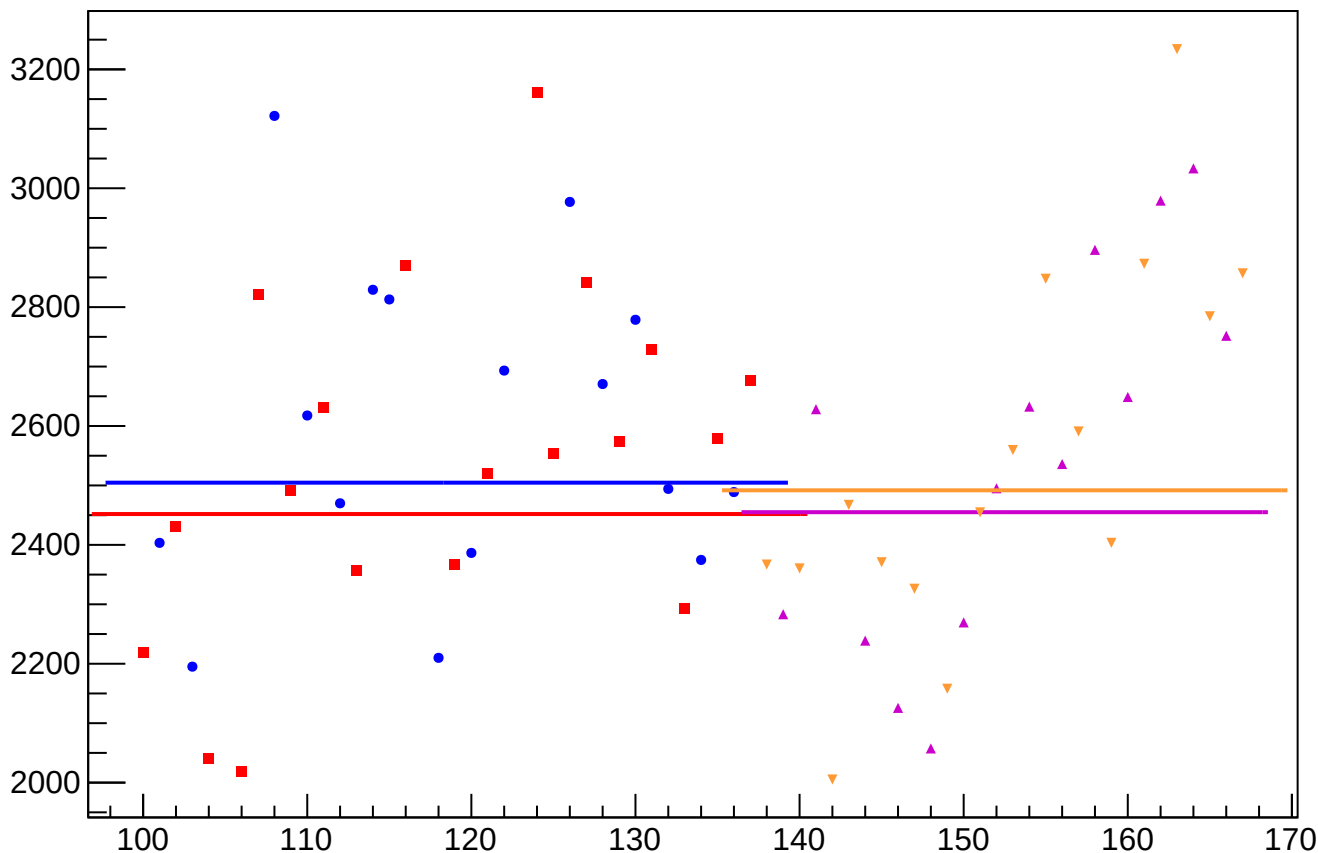
Left In: 7.107 ± 0.732 χ^2/NDF : 317.1/13

+ sign 4.330 ± 0.564 χ^2/NDF : 1560.5/31

All: -0.310 ± 0.401 χ^2/NDF : 3273.3/64

- sign -5.028 ± 0.569 χ^2/NDF : 1576.3/32

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654 ± 0.662 χ^2/NDF : 126599.1/15

Left Out: 2491.785 ± 0.500 χ^2/NDF : 303169.0/15

Right Out: 2451.880 ± 0.638 χ^2/NDF : 153237.1/18

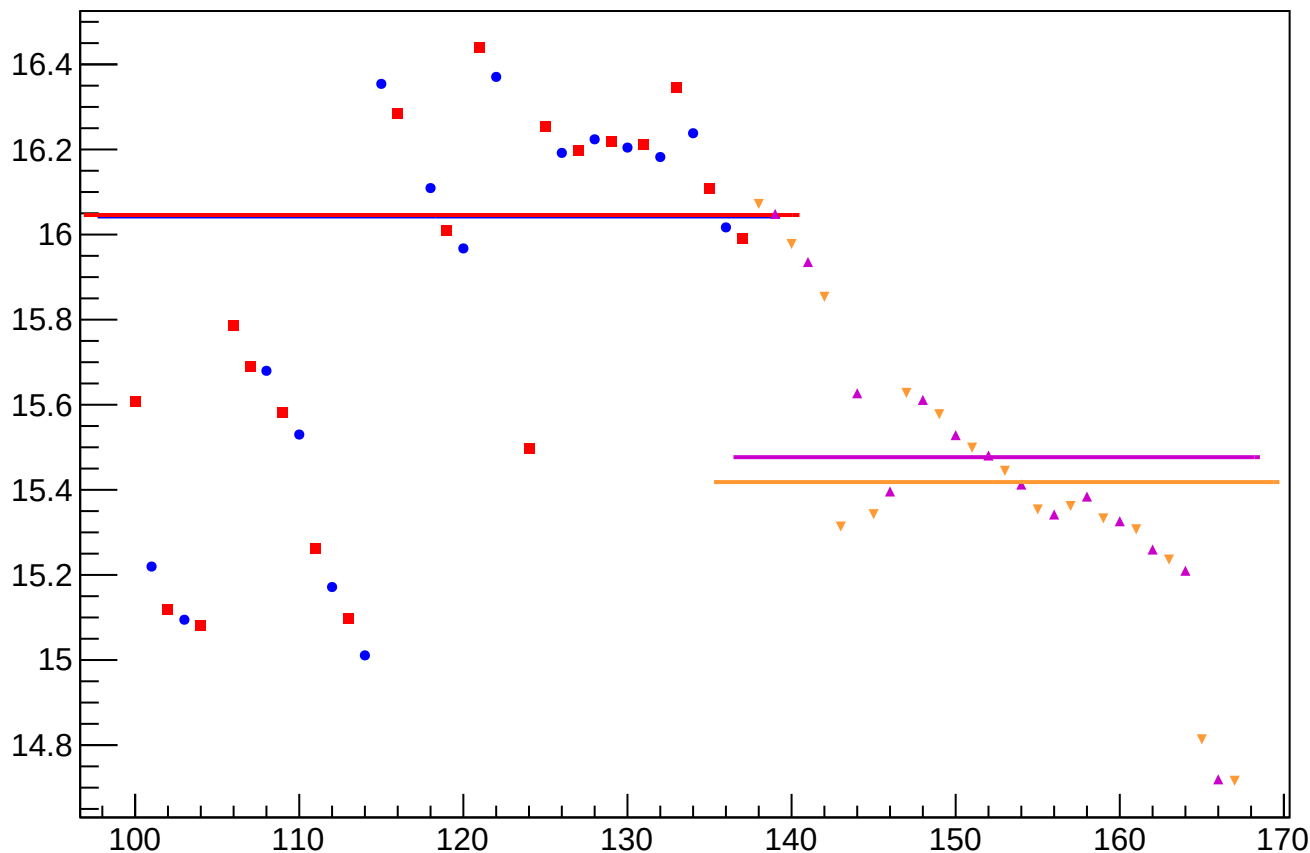
Left In: 2454.997 ± 0.518 χ^2/NDF : 311997.6/13

+ sign 2496.451 ± 0.399 χ^2/NDF : 430008.7/31

All: 2475.282 ± 0.283 χ^2/NDF : 900938.7/64

- sign 2453.759 ± 0.402 χ^2/NDF : 465249.1/32

yield_sam1_mean vs Slug



Right In: 16.043+/-0.000 χ^2/NDF : 2840540588.4/15

Left Out: 15.418+/-0.000 χ^2/NDF : 12956900997.3/15

Right Out: 16.046+/-0.000 χ^2/NDF : 3552158387.5/18

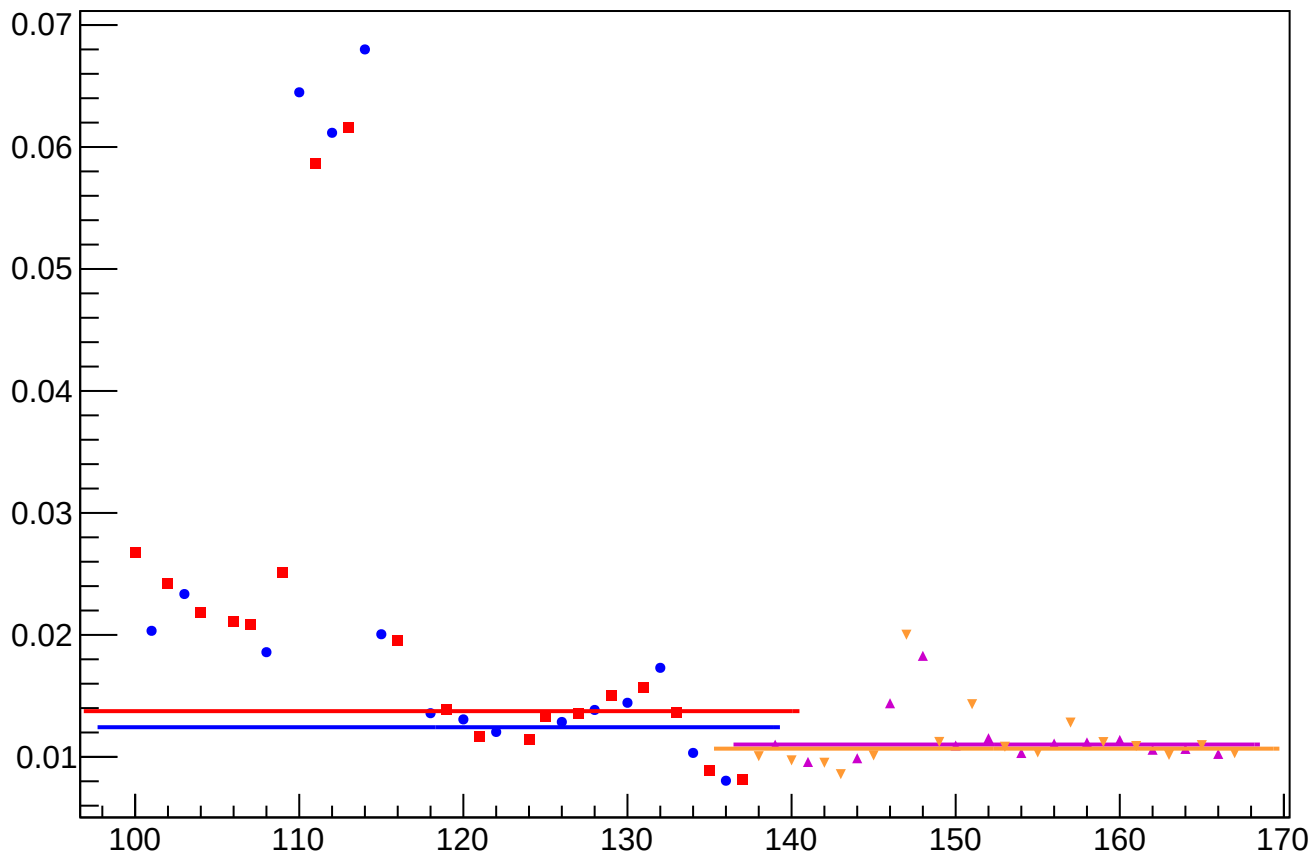
Left In: 15.477+/-0.000 χ^2/NDF : 8371951314.8/13

+ sign 15.579+/-0.000 χ^2/NDF : 26104169285.8/31

All: 15.599+/-0.000 χ^2/NDF : 45413747311.1

- sign 15.621+/-0.000 χ^2/NDF : 19195421073.2/32

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF : 638291.9/15

Right Out: 0.014+/-0.000 χ^2/NDF : 2230614.9/18

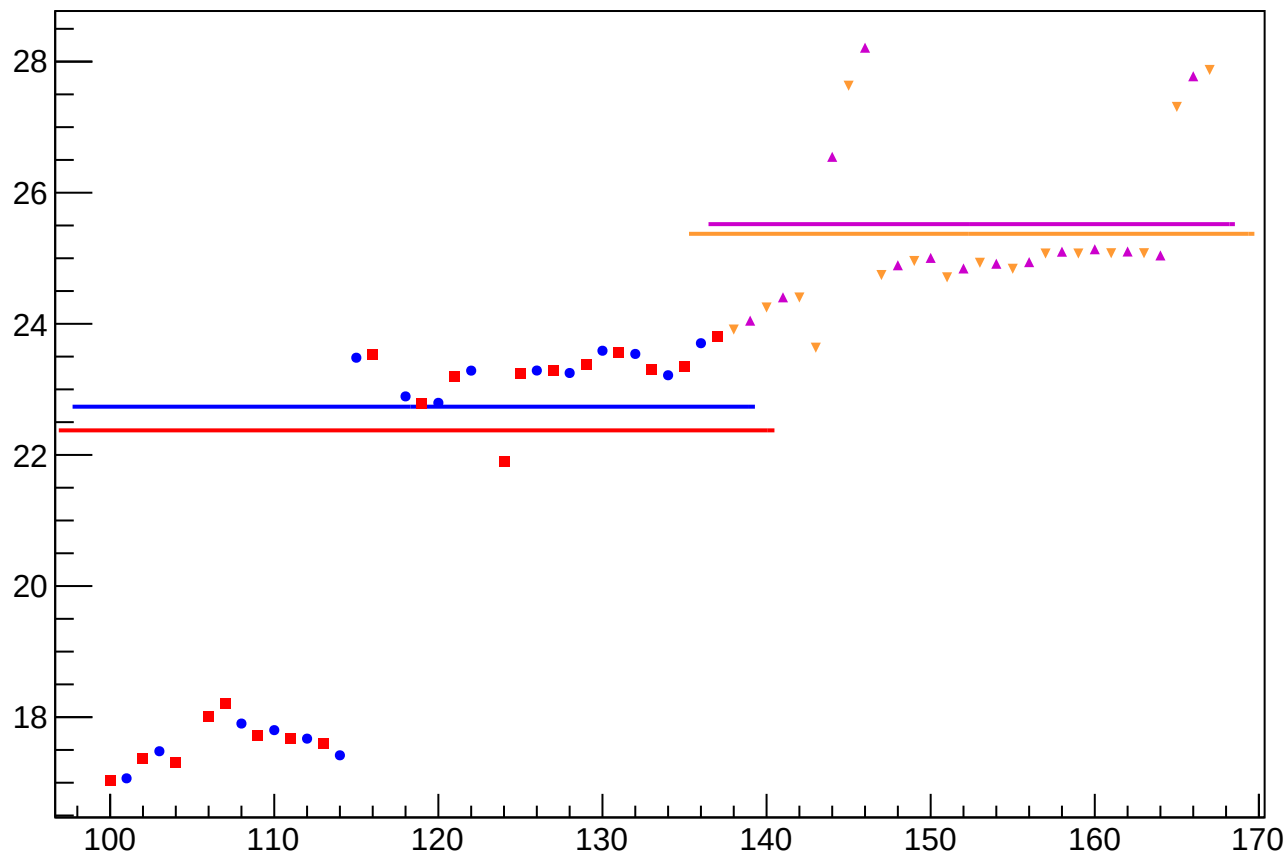
Left In: 0.011+/-0.000 χ^2/NDF : 421034.5/13

+ sign 0.011+/-0.000 χ^2/NDF : 3118431.9/31

All: 0.011+/-0.000 χ^2/NDF : 6149497.6/64

- sign 0.012+/-0.000 χ^2/NDF : 2988139.3/32

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2 /NDF: 1220713728.0/15

Left Out: 25.373+/-0.000 χ^2 /NDF: 1524369059.2/15

Right Out: 22.375+/-0.000 χ^2 /NDF: 1215661430.7/18

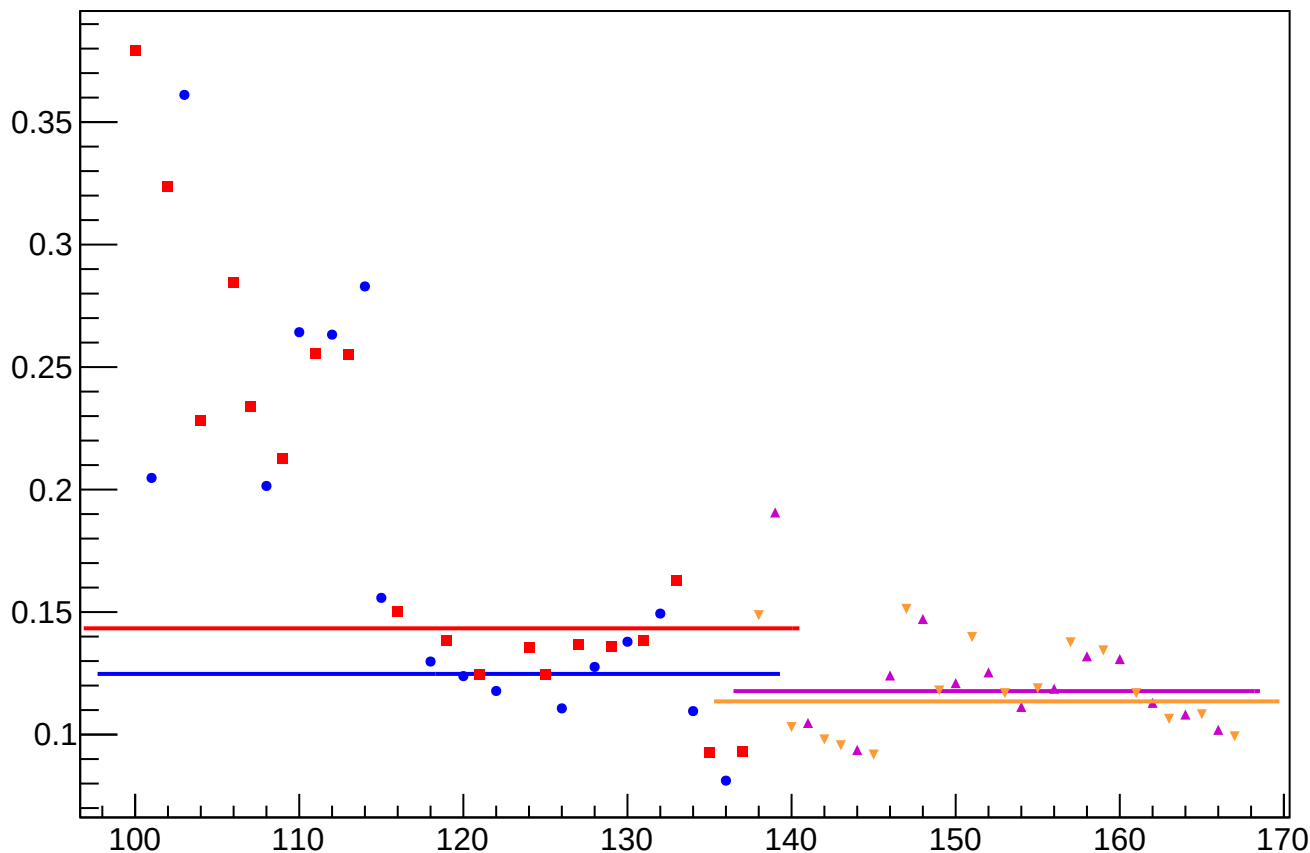
Left In: 25.521+/-0.000 χ^2 /NDF: 959769913.3/13

+ sign 24.600+/-0.000 χ^2 /NDF: 4434110013.5/31

All: 24.615+/-0.000 χ^2 /NDF: 8594675536.9/6

- sign 24.632+/-0.000 χ^2 /NDF: 4160042100.8/32

yield_sam2_rms vs Slug



Right In: 0.125 $\pm$ 0.000 χ^2 /NDF: 1749818.7/15

Left Out: 0.114 $\pm$ 0.000 χ^2 /NDF:503511.3/15

Right Out: 0.143 $\pm$ 0.000 χ^2 /NDF: 1570103.9/18

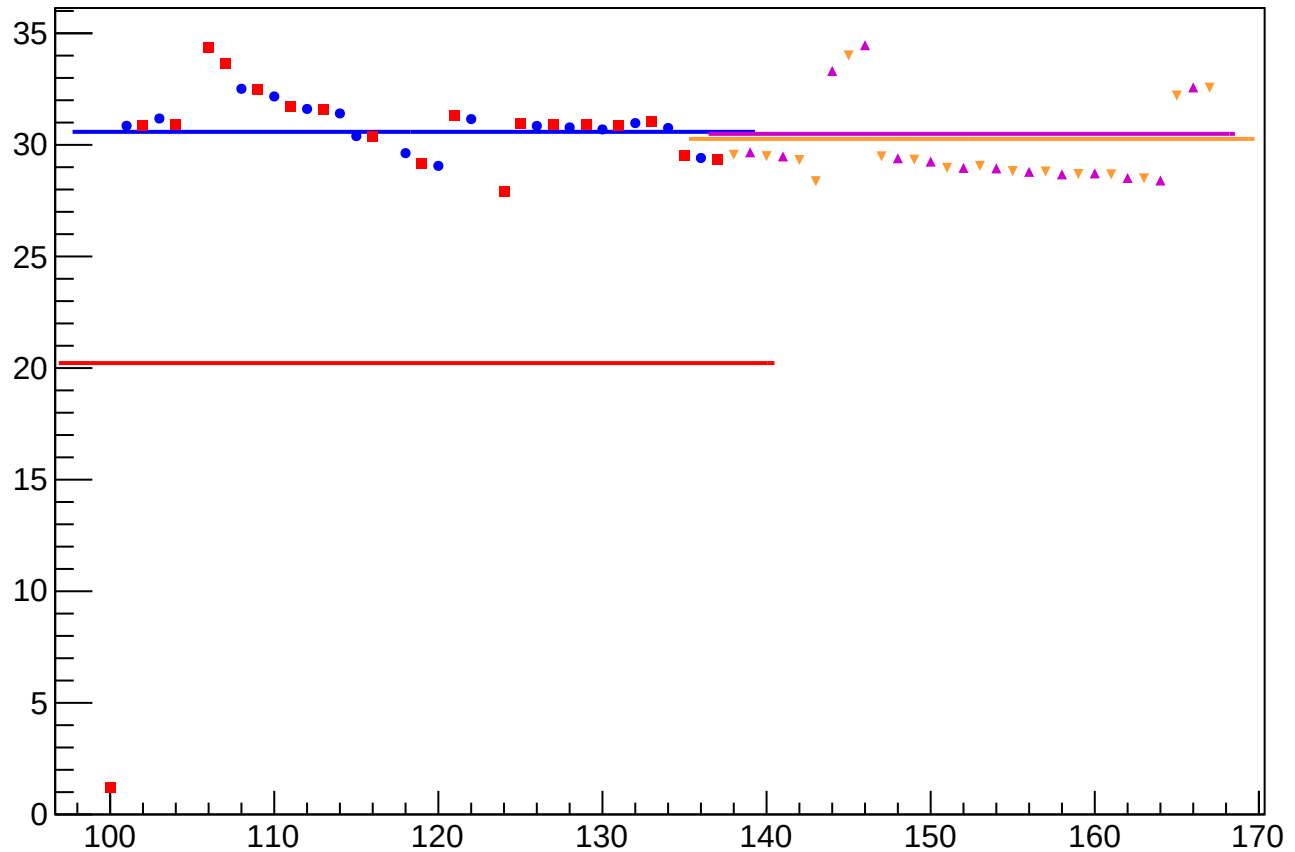
Left In: 0.118 $\pm$ 0.000 χ^2 /NDF:509865.2/13

+ sign 0.117 $\pm$ 0.000 χ^2 /NDF: 2314483.7/31

All: 0.121 $\pm$ 0.000 χ^2 /NDF: 4729183.8/64

- sign 0.125 $\pm$ 0.000 χ^2 /NDF: 2343381.0/32

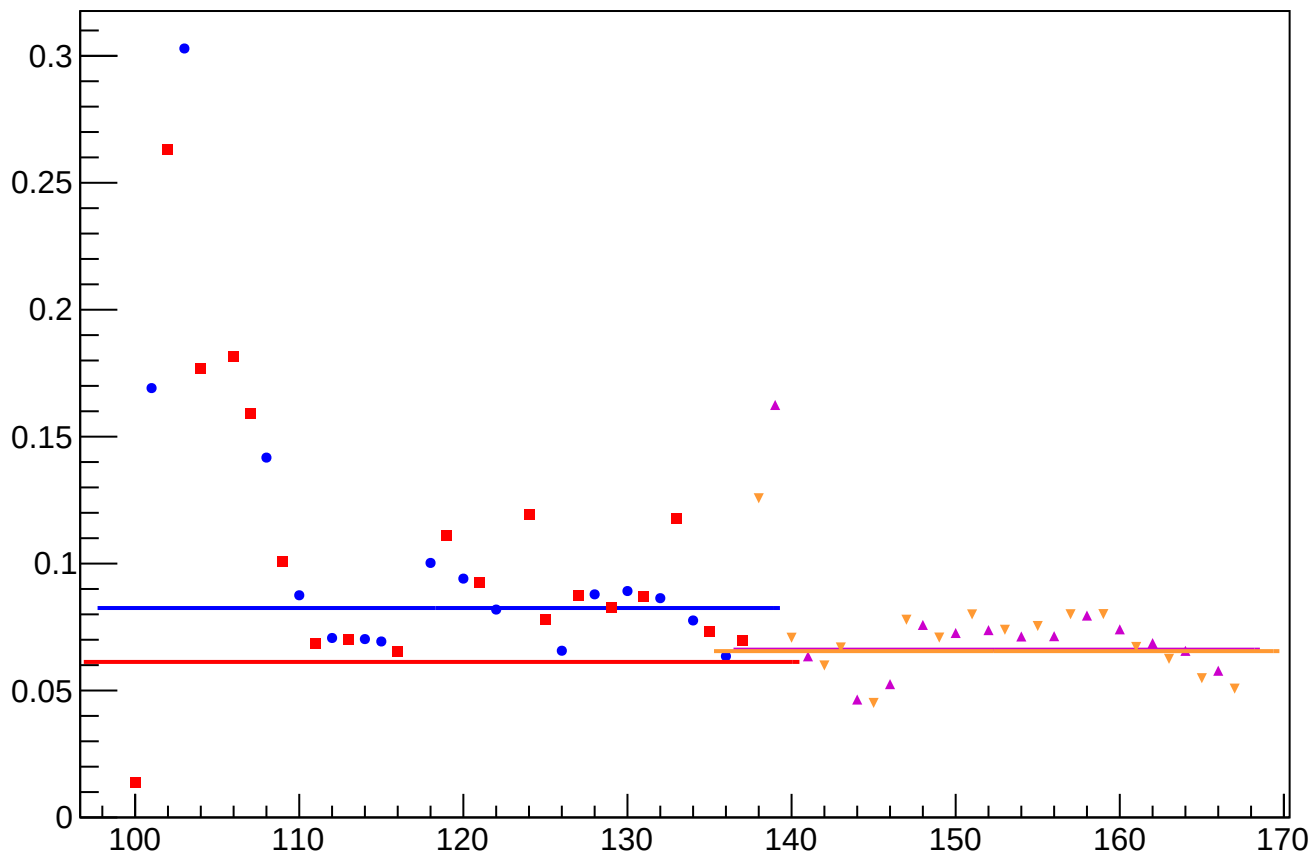
yield_sam3_mean vs Slug



Right In: 30.585 $\pm$ 0.000 χ^2 /NDF: 652266844.4/15
 Left Out: 30.268 $\pm$ 0.000 χ^2 /NDF: 8818593147.2/15
 Right Out: 20.224 $\pm$ 0.000 χ^2 /NDF: 221262816636.2/18
 Left In: 30.494 $\pm$ 0.000 χ^2 /NDF: 9997802514.9/13

+ sign 30.350 $\pm$ 0.000 χ^2 /NDF: 9528365685.2/31
 All: 28.580 $\pm$ 0.000 χ^2 /NDF: 333409498216.
 - sign 26.857 $\pm$ 0.000 χ^2 /NDF: 305384903183.6/32

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1261492.7/15

Left Out: 0.066 $\pm$ 0.000 χ^2 /NDF:922909.0/15

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 4014305.3/18

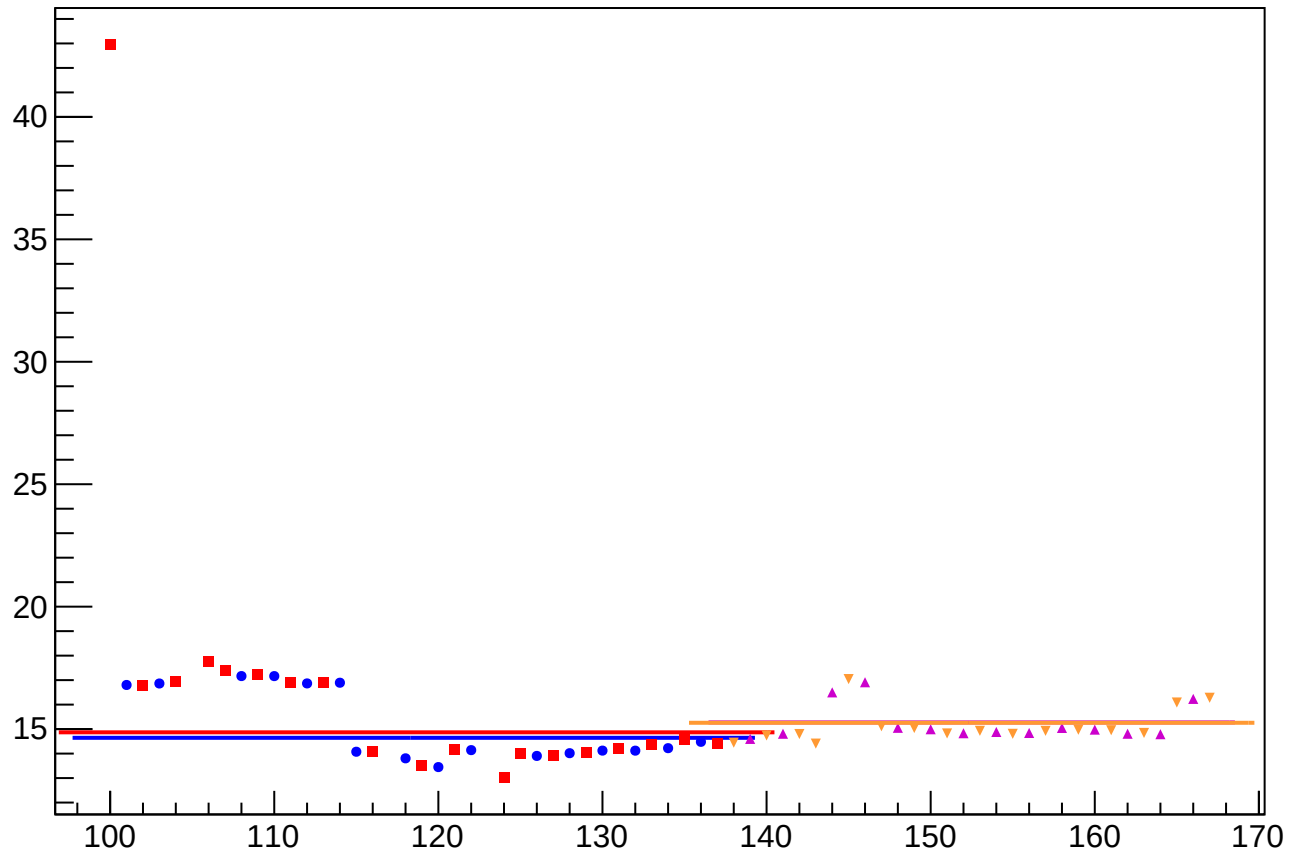
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF:1034190.3/13

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 2515233.1/31

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 7689088.4/64

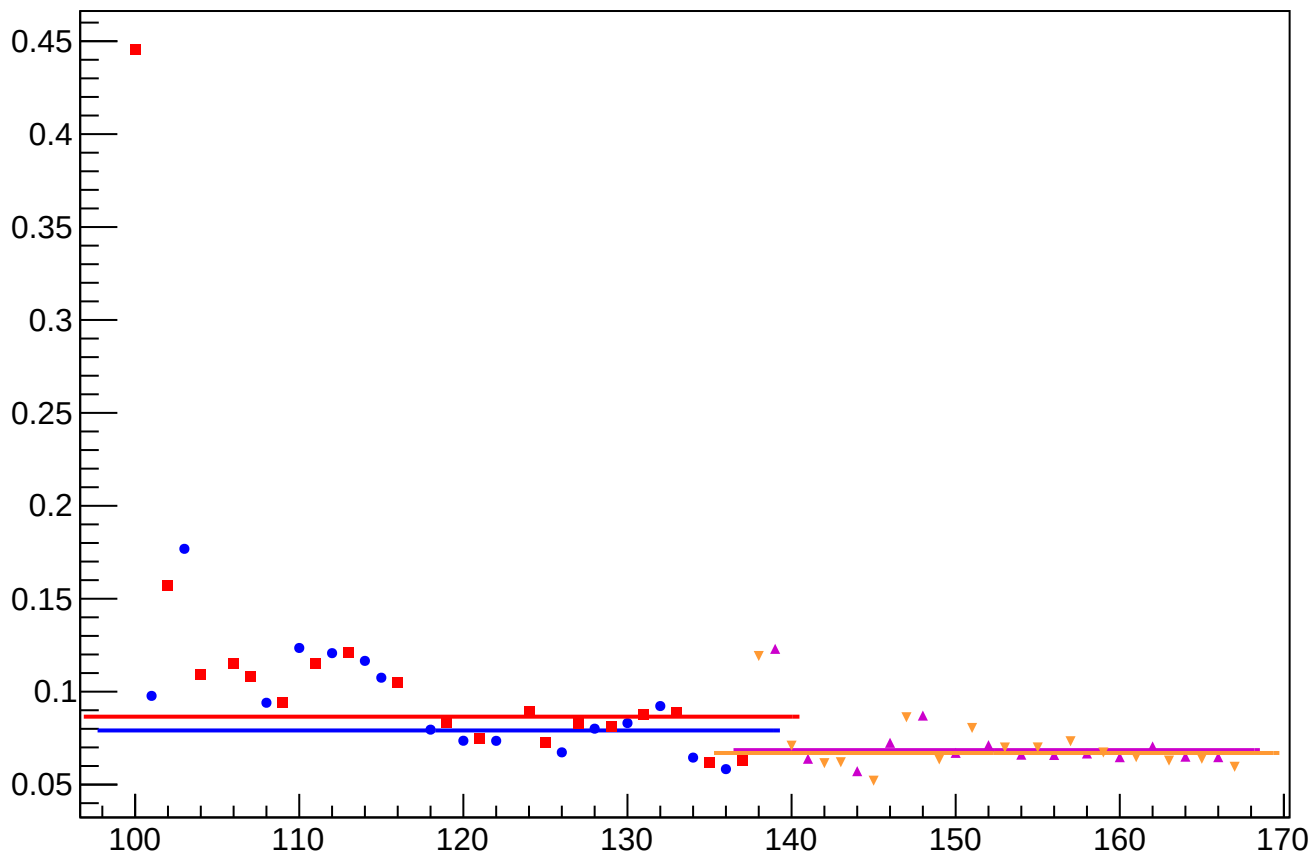
- sign 0.064 $\pm$ 0.000 χ^2 /NDF: 5081326.9/32

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000	χ^2/NDF : 1193913109.5/15	+ sign 15.083+/-0.000	χ^2/NDF : 2820434979.4/31
Left Out: 15.258+/-0.000	χ^2/NDF : 1374221539.6/15	All: 15.118+/-0.000	χ^2/NDF : 5708547331.2/6
Right Out: 14.868+/-0.000	χ^2/NDF : 1730040006.8/18	- sign 15.158+/-0.000	χ^2/NDF : 2879387563.9/32
Left In: 15.273+/-0.000	χ^2/NDF : 1053029824.5/13		

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF : 918198.7/15

Left Out: 0.067+/-0.000 χ^2/NDF : 561843.6/15

Right Out: 0.087+/-0.000 χ^2/NDF : 793345.8/18

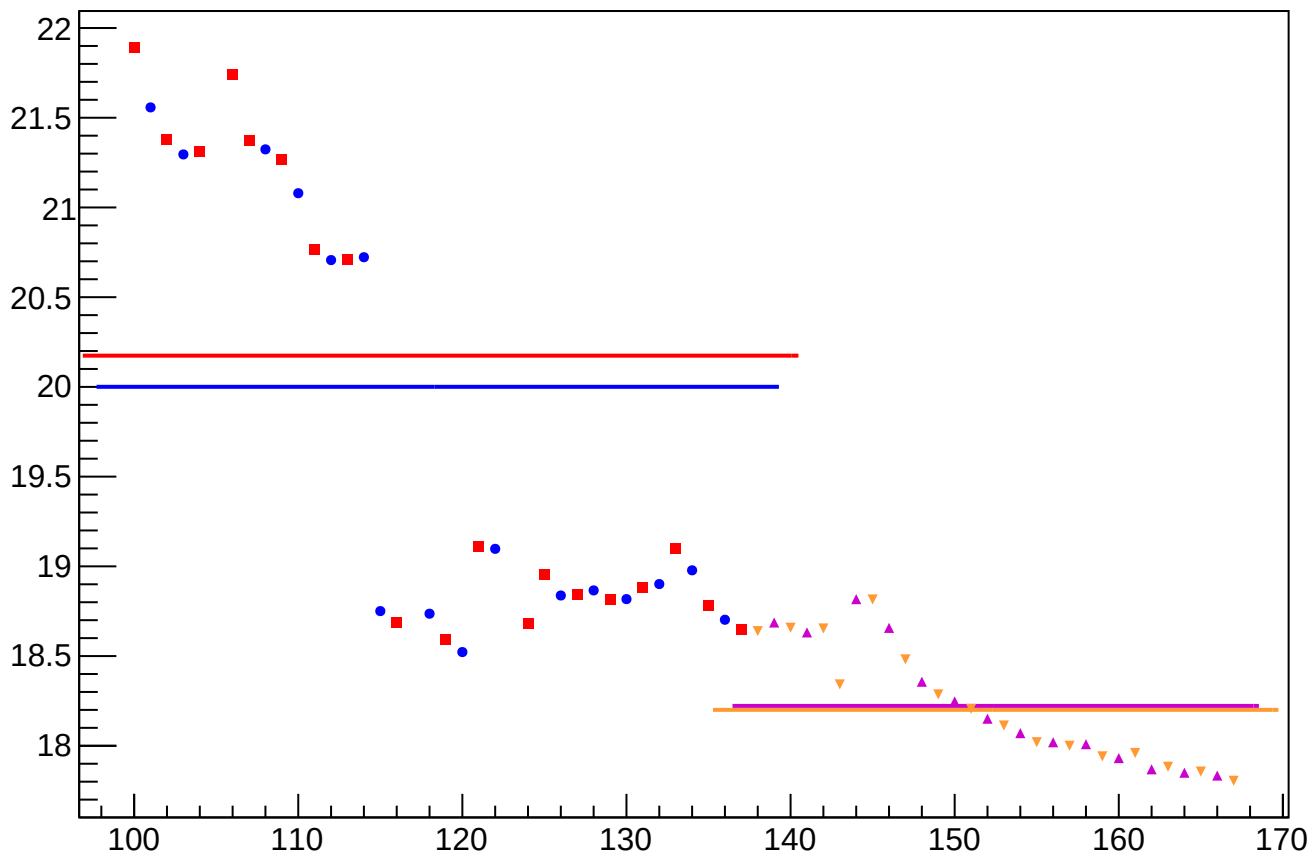
Left In: 0.069+/-0.000 χ^2/NDF : 476310.3/13

+ sign 0.070+/-0.000 χ^2/NDF : 1676879.3/31

All: 0.072+/-0.000 χ^2/NDF : 3358262.6/64

- sign 0.074+/-0.000 χ^2/NDF : 1649993.7/32

yield_sam5_mean vs Slug



Right In: 20.001 $\pm$ 0.000 χ^2 /NDF: 10878846617.7/15

Left Out: 18.200 $\pm$ 0.000 χ^2 /NDF: 1197450854.9/15

Right Out: 20.174 $\pm$ 0.000 χ^2 /NDF: 10426322430.8/18

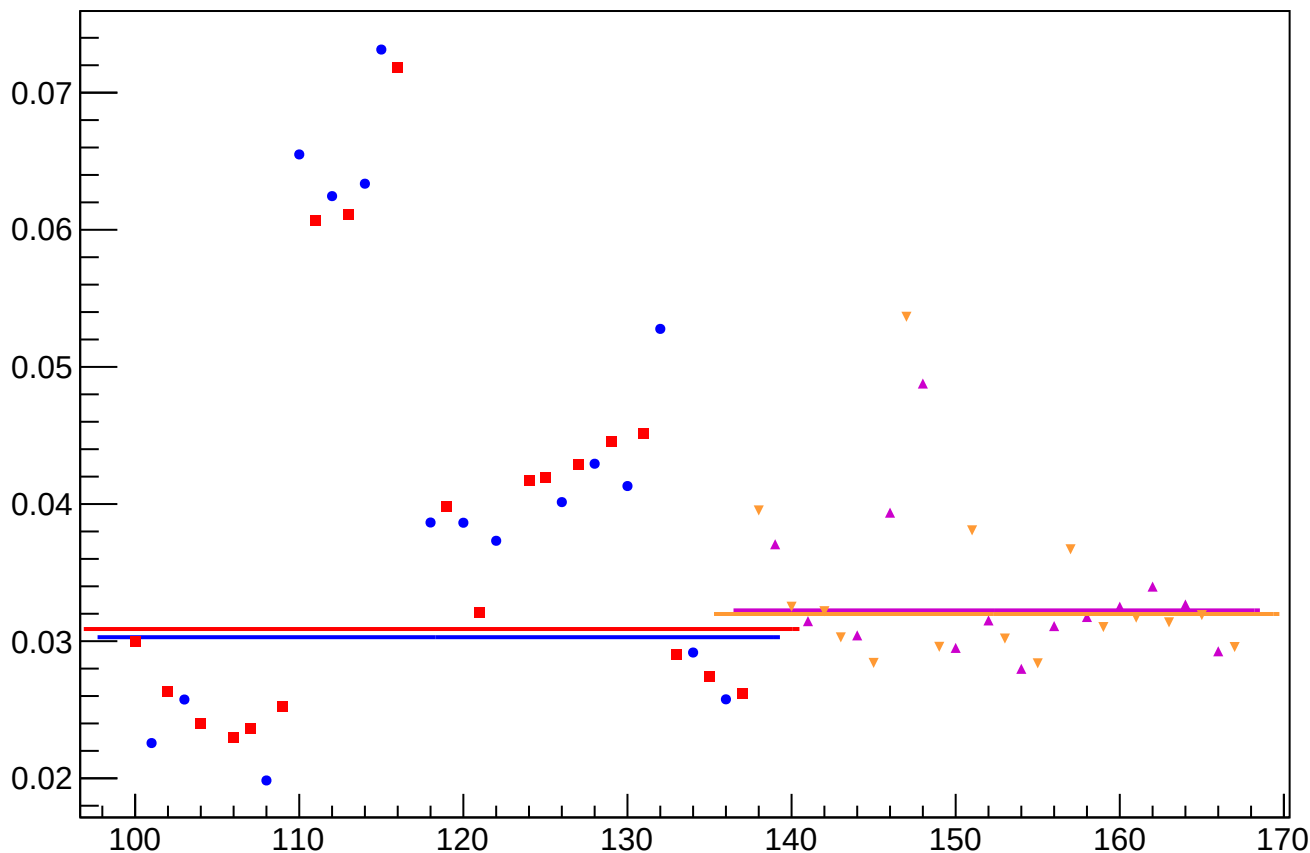
Left In: 18.222 $\pm$ 0.000 χ^2 /NDF: 1117212094.6/13

+ sign 18.847 $\pm$ 0.000 χ^2 /NDF: 25575809605.7/31

All: 18.908 $\pm$ 0.000 χ^2 /NDF: 52546725030.5

- sign 18.973 $\pm$ 0.000 χ^2 /NDF: 26831654102.7/32

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1447374.9/15

Left Out: 0.032 $\pm$ 0.000 χ^2 /NDF:465593.7/15

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1204729.6/18

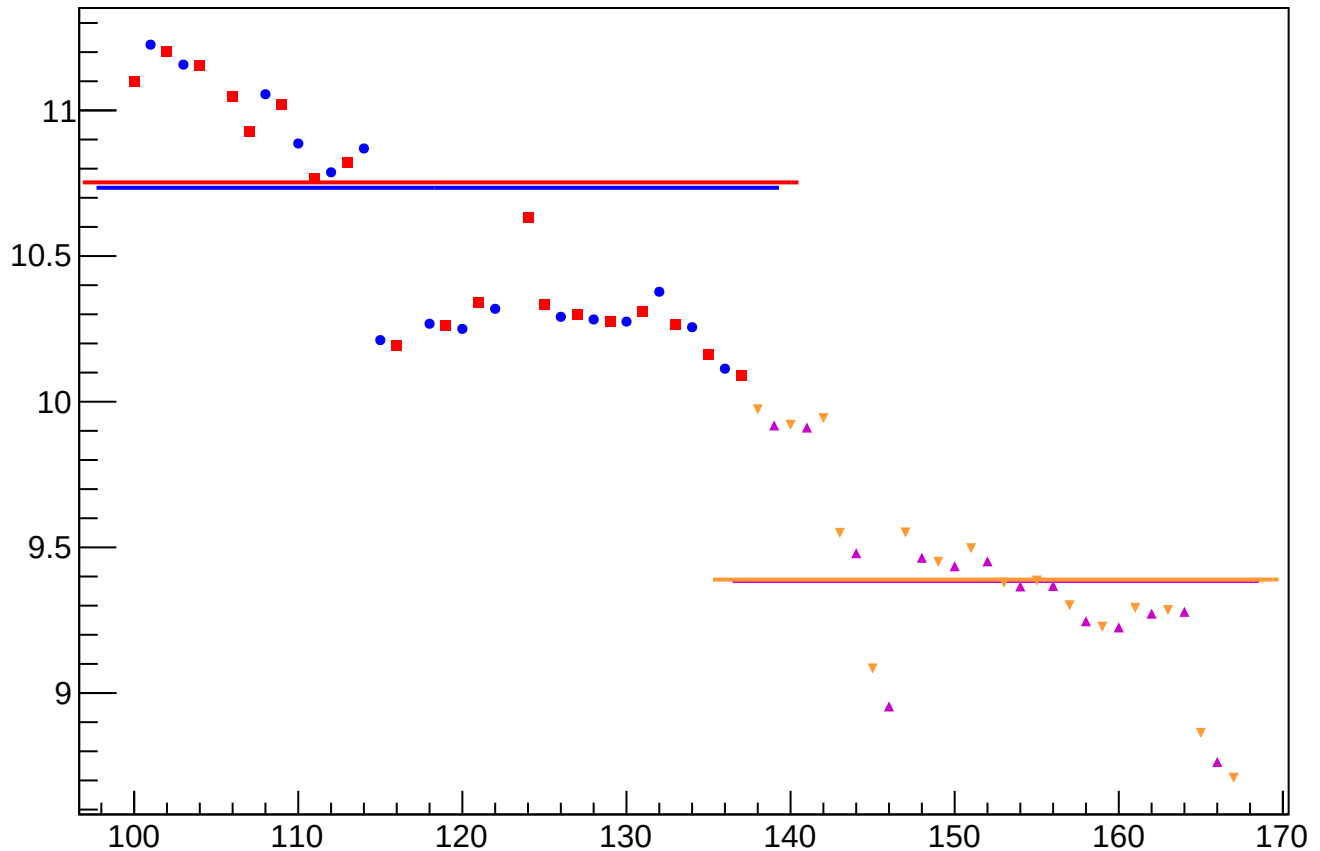
Left In: 0.032 $\pm$ 0.000 χ^2 /NDF:343603.7/13

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1936830.4/31

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 3502095.1/64

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 1563146.2/32

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2 /NDF: 5879444478.4/15

Left Out: 9.390+/-0.000 χ^2 /NDF: 3335535473.0/15

Right Out: 10.753+/-0.000 χ^2 /NDF: 4344265704.2/18

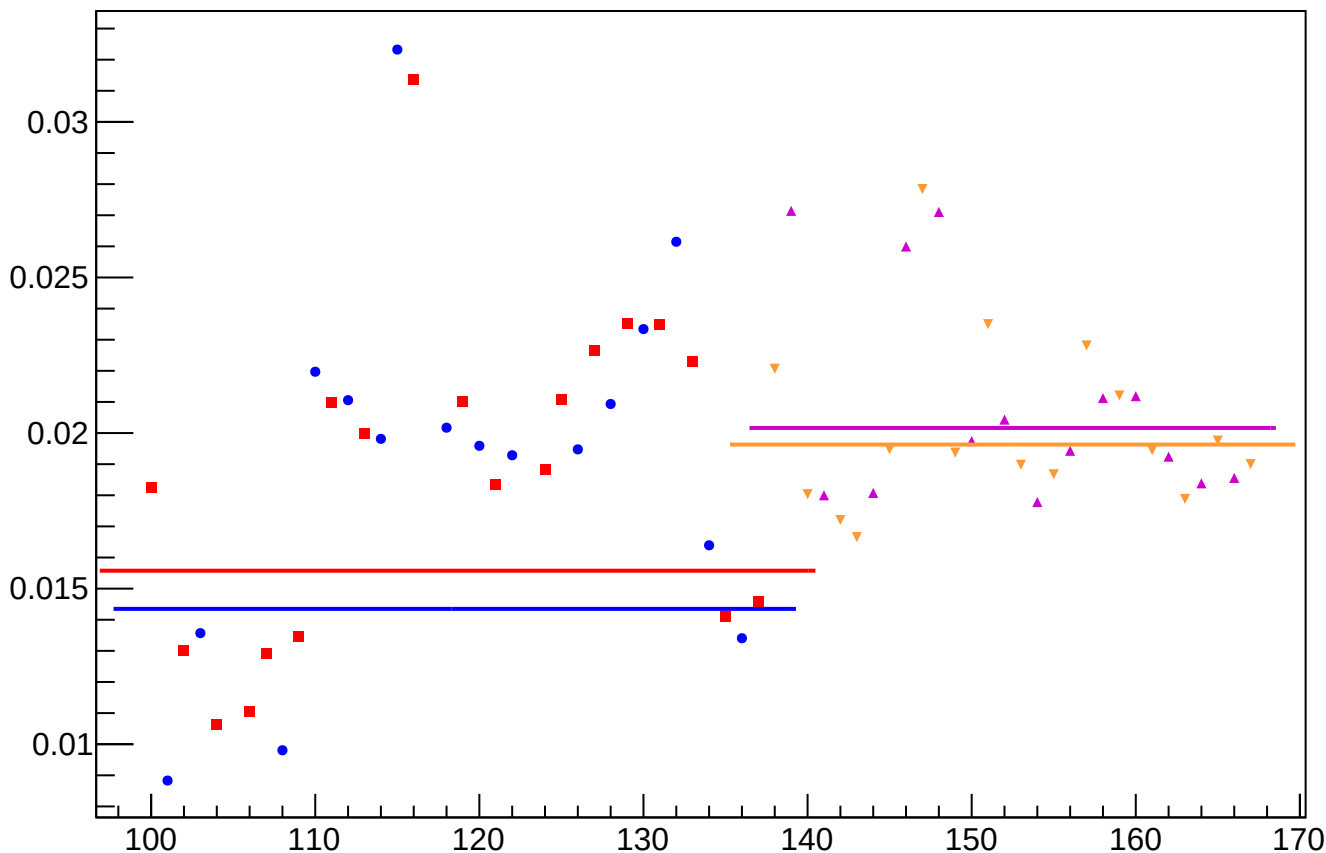
Left In: 9.385+/-0.000 χ^2 /NDF: 1976695443.7/13

+ sign 10.039+/-0.000 χ^2 /NDF: 35037527243.0/31

All: 10.053+/-0.000 χ^2 /NDF: 65293188757.5

- sign 10.068+/-0.000 χ^2 /NDF: 30233645502.0/32

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1481790.8/15

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:332106.7/15

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1071979.1/18

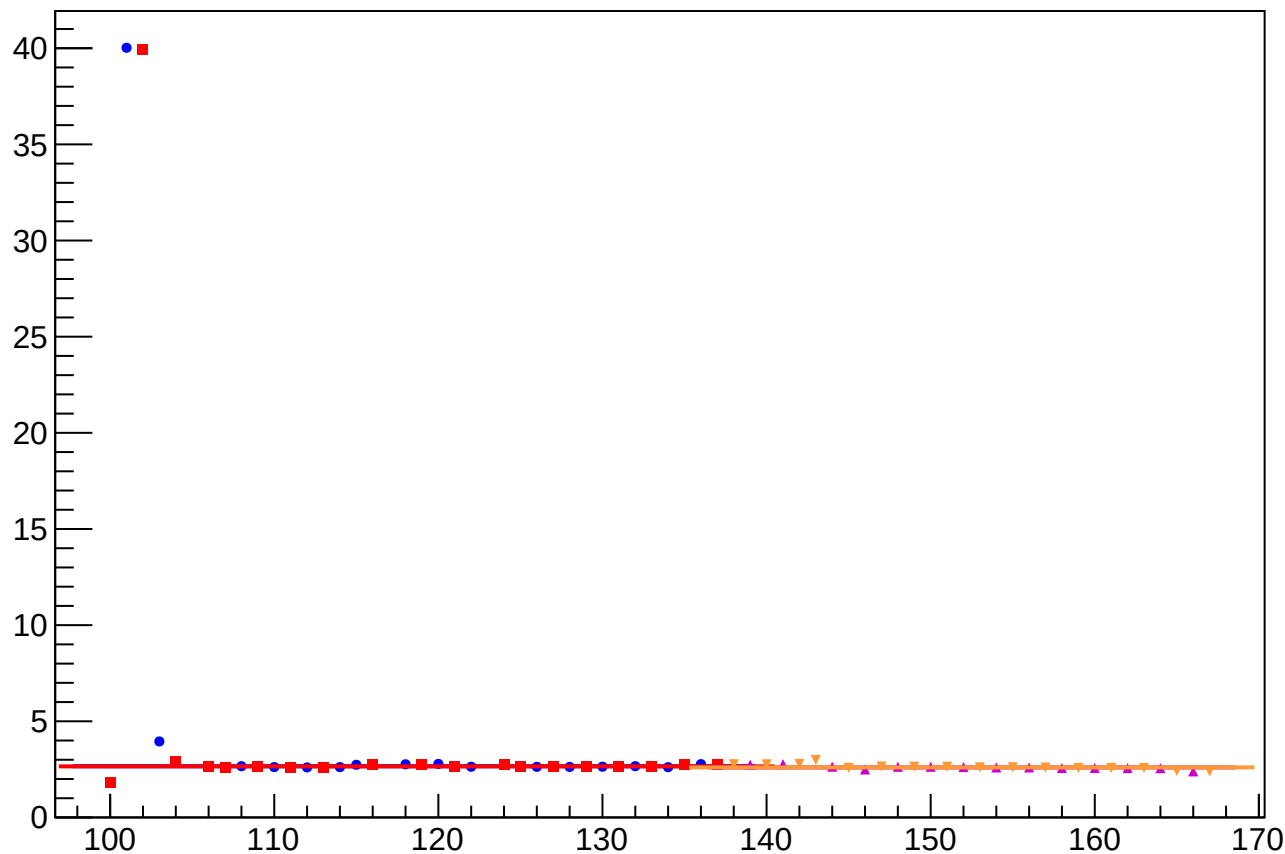
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:399937.9/13

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2610303.3/31

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4653893.3/64

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 2009555.7/32

yield_sam7_mean vs Slug



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 67839888284.3/15

Left Out: 2.602 $\pm$ 0.000 χ^2 /NDF: 37395062898.0/15

Right Out: 2.656 $\pm$ 0.000 χ^2 /NDF: 65056887880.1/18

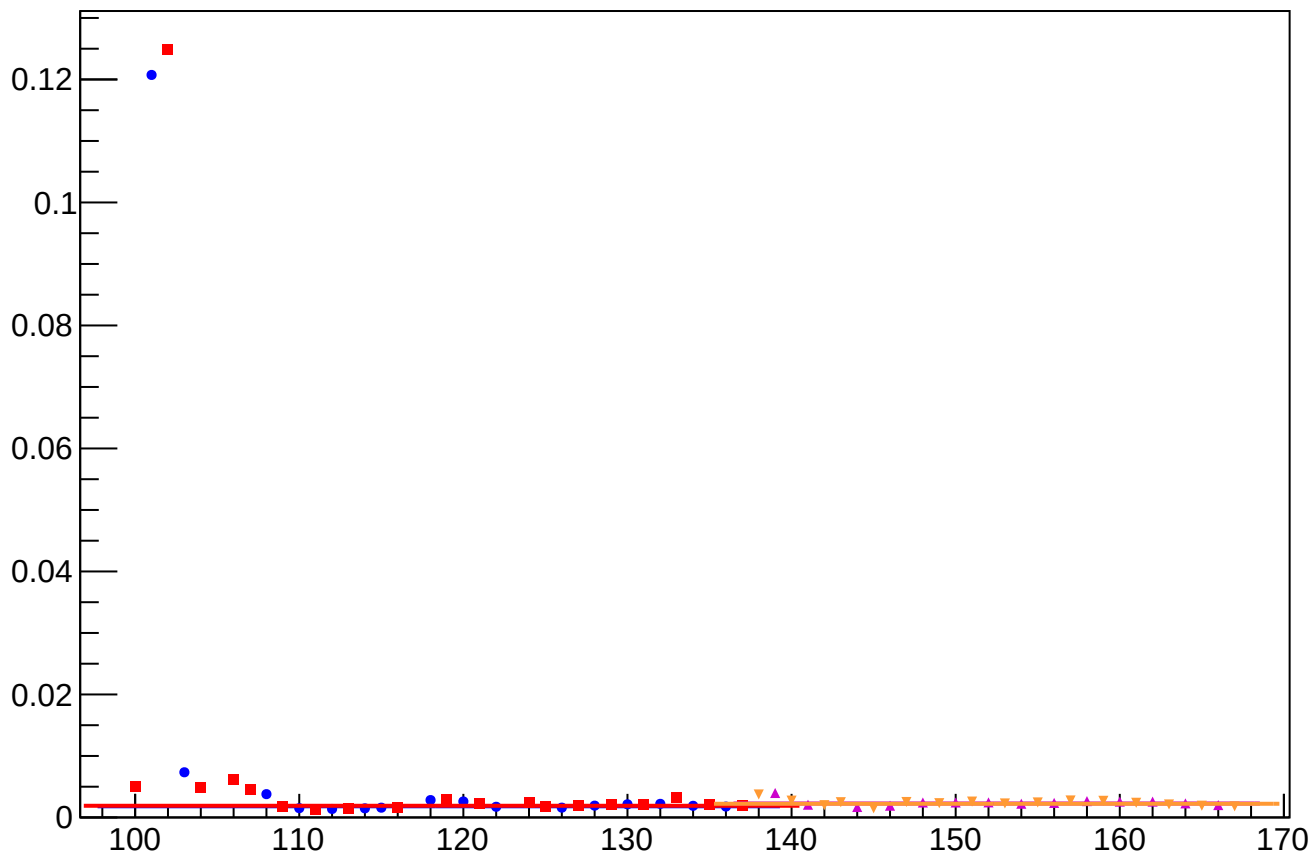
Left In: 2.601 $\pm$ 0.000 χ^2 /NDF: 13451951369.5/13

+ sign 2.628 $\pm$ 0.000 χ^2 /NDF: 108466190999.3/31

All: 2.626 $\pm$ 0.000 χ^2 /NDF: 189447506799.7

- sign 2.625 $\pm$ 0.000 χ^2 /NDF: 80971082126.3/32

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1822680.9/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 875661.8/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2525514.7/18

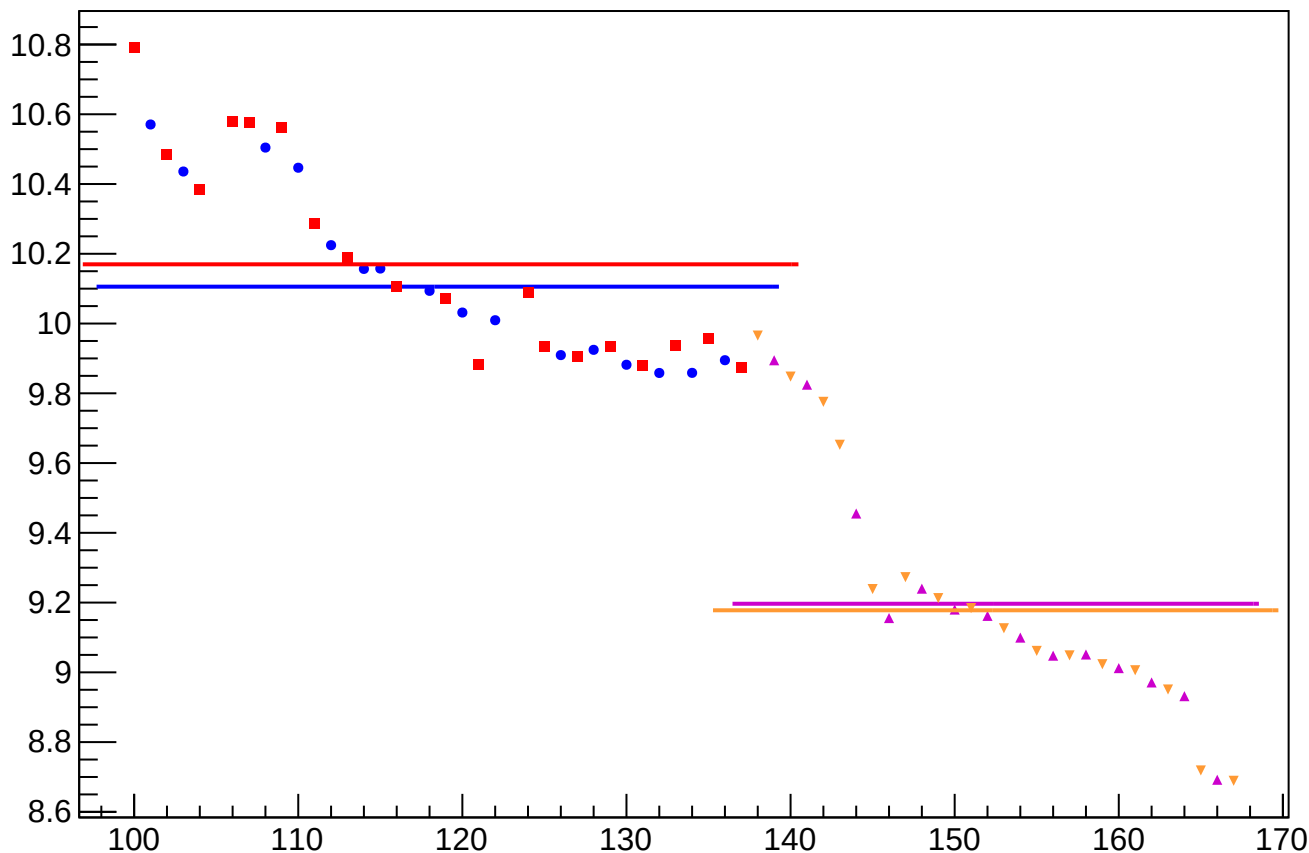
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 621954.0/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2983871.7/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6356271.7/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3363365.1/32

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF : 9126550621.3/15

Left Out: 9.178+/-0.000 χ^2/NDF : 26227906567.3/15

Right Out: 10.170+/-0.000 χ^2/NDF : 9135610954.1/18

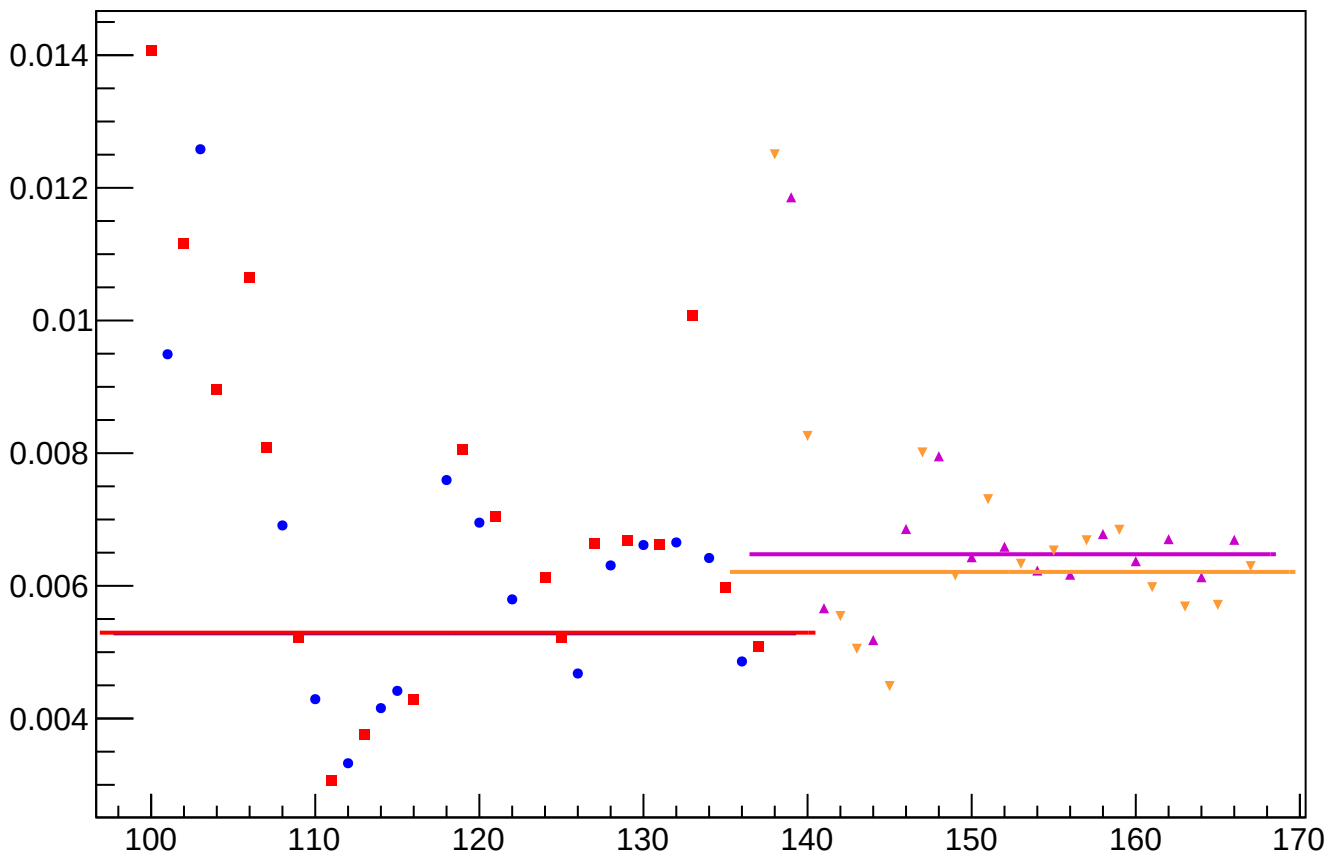
Left In: 9.197+/-0.000 χ^2/NDF : 17553916191.5/13

+ sign 9.574+/-0.000 χ^2/NDF : 130730648120.7/31

All: 9.614+/-0.000 χ^2/NDF : 257174945412.7

- sign 9.657+/-0.000 χ^2/NDF : 124969688593.1/32

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF : 825481.4/15

Right Out: 0.005+/-0.000 χ^2/NDF : 1792250.8/18

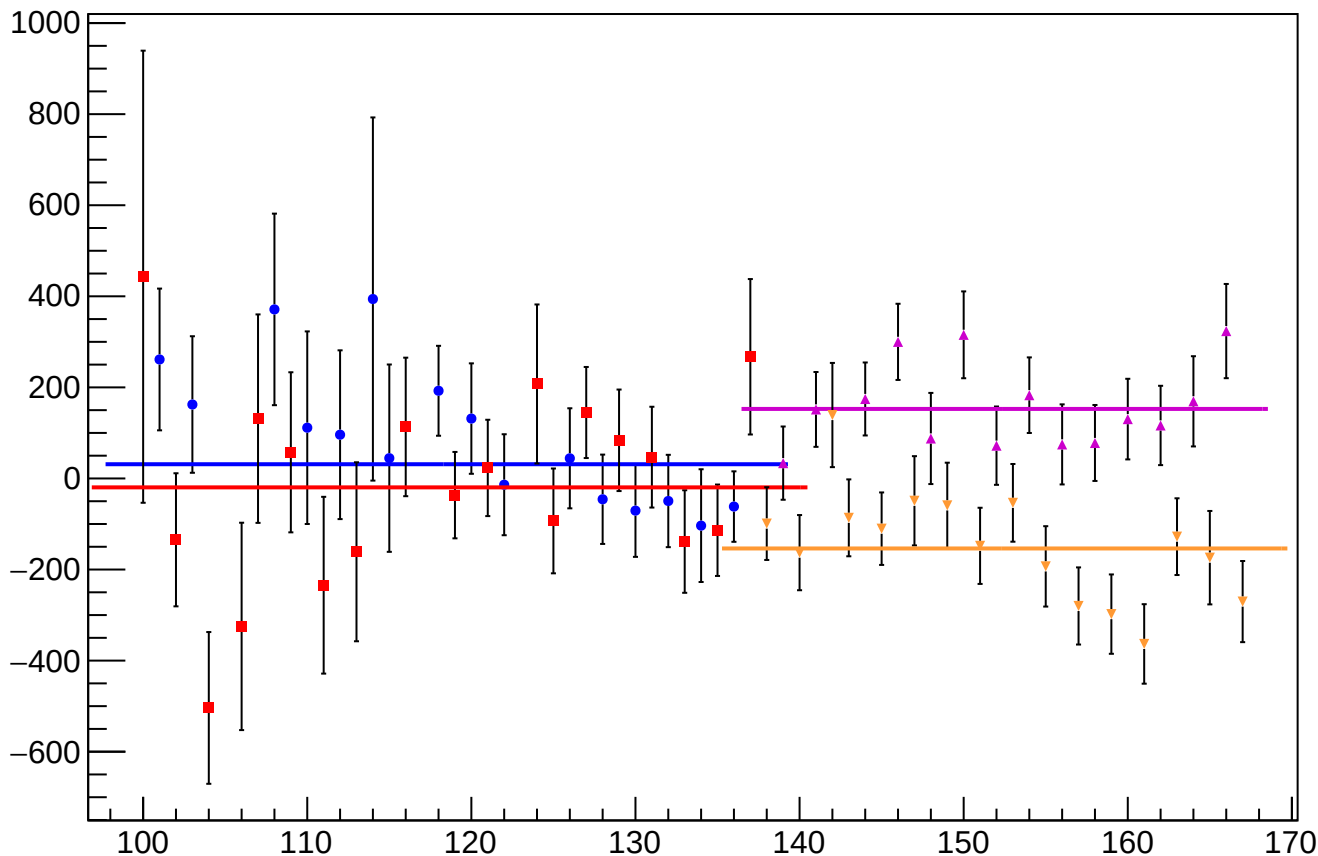
Left In: 0.006+/-0.000 χ^2/NDF : 501281.9/13

+ sign 0.006+/-0.000 χ^2/NDF : 2289367.6/31

All: 0.006+/-0.000 χ^2/NDF : 4877637.0/64

- sign 0.006+/-0.000 χ^2/NDF : 2583687.9/32

reg_asym_sam1_mean vs Slug



Right In: 31.249 ± 30.786 $\chi^2/\text{NDF}: 15.1/15$

Left Out: -153.736 ± 21.985 $\chi^2/\text{NDF}: 24.3/15$

Right Out: -19.573 ± 31.059 $\chi^2/\text{NDF}: 25.9/18$

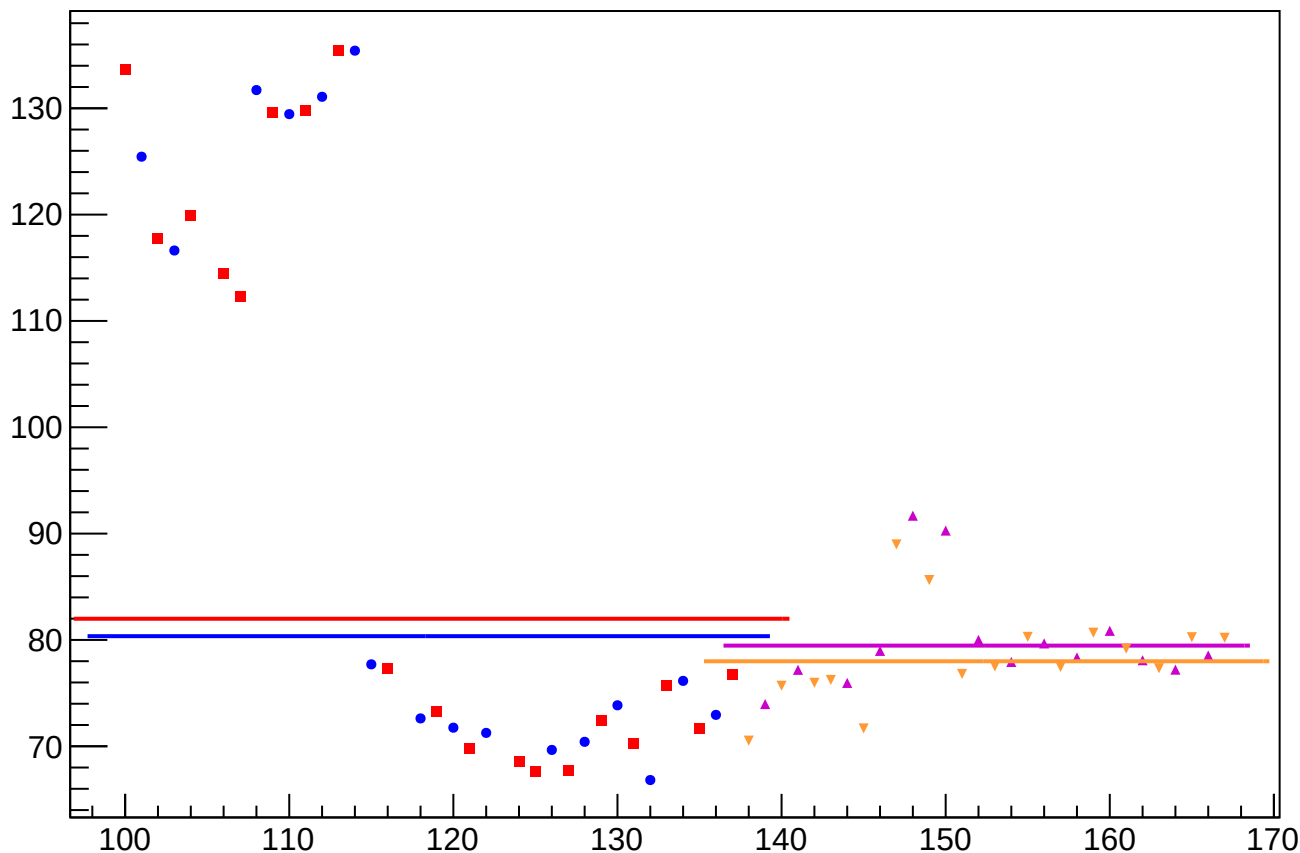
Left In: 152.687 ± 23.444 $\chi^2/\text{NDF}: 14.3/13$

+ sign -91.261 ± 17.891 $\chi^2/\text{NDF}: 63.3/31$

All: -4.614 ± 12.931 $\chi^2/\text{NDF}: 172.2/64$

- sign 90.163 ± 18.712 $\chi^2/\text{NDF}: 59.8/32$

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF : 840039.5/15

Left Out: 77.994+/-0.016 χ^2/NDF : 78030.9/15

Right Out: 81.993+/-0.022 χ^2/NDF : 932337.7/18

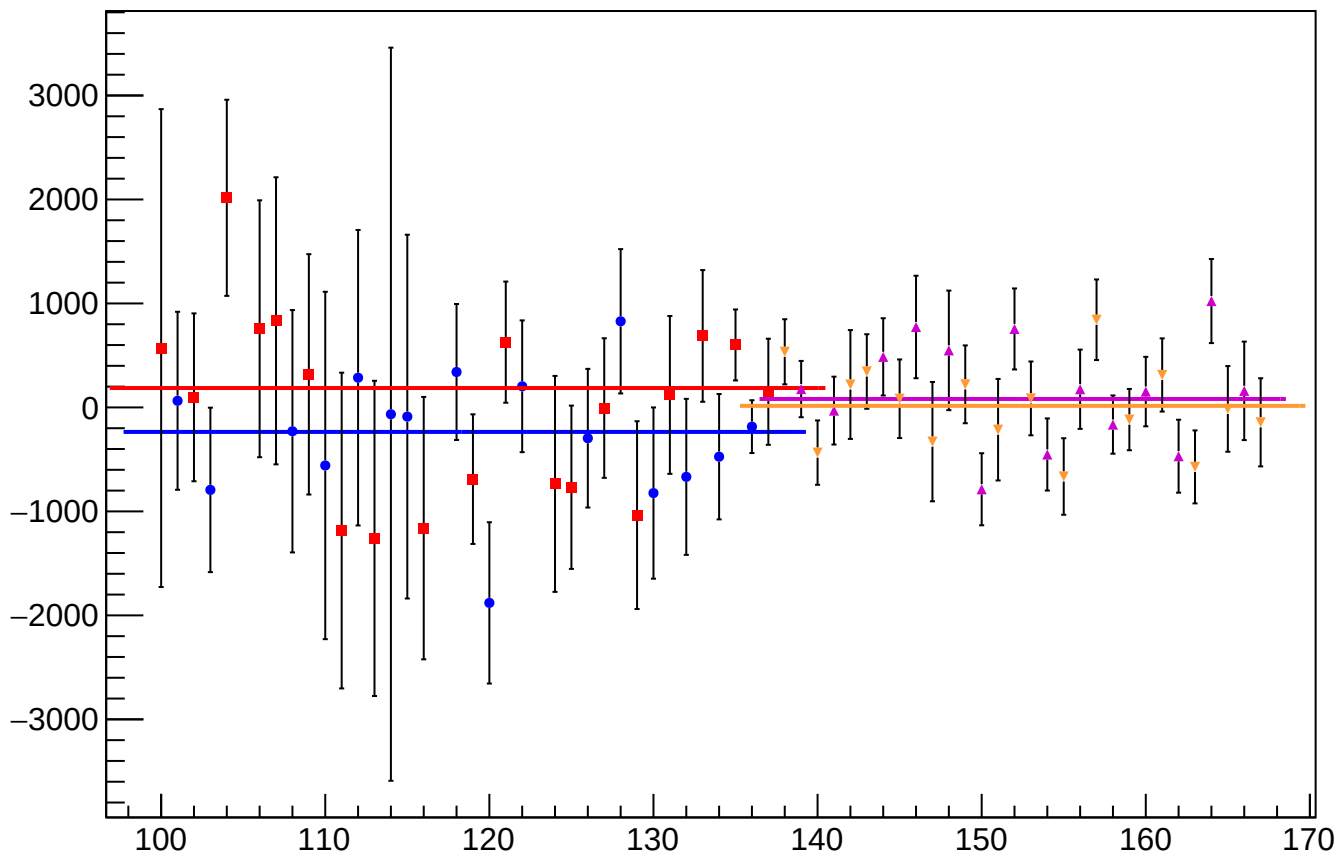
Left In: 79.467+/-0.017 χ^2/NDF : 73653.1/13

+ sign 78.791+/-0.013 χ^2/NDF : 925854.3/31

All: 79.552+/-0.009 χ^2/NDF : 1947843.5/64

- sign 80.384+/-0.013 χ^2/NDF : 1014419.8/32

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 15.053 ± 93.430 χ^2/NDF : 18.7/15

Right Out: 186.618 ± 170.394 χ^2/NDF : 16.0/18

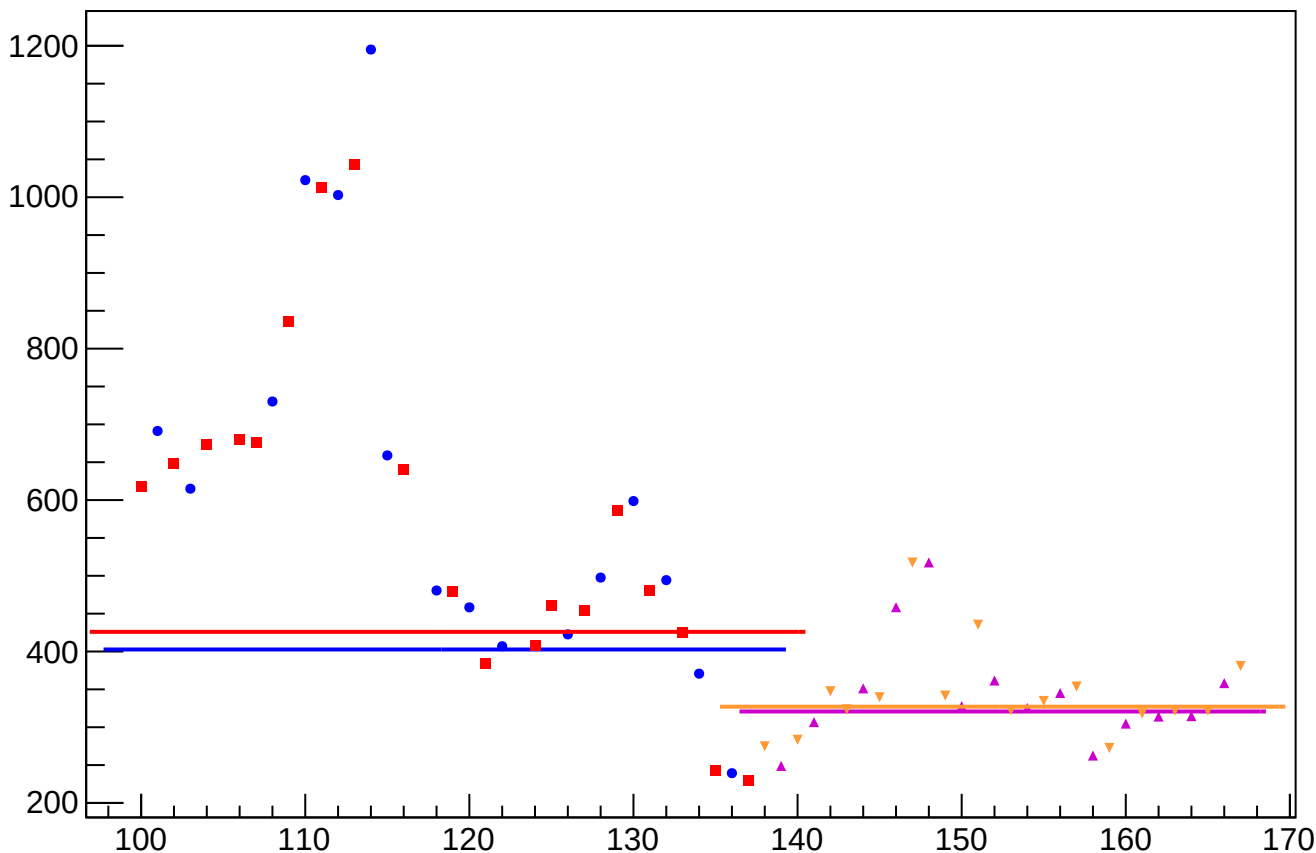
Left In: 81.152 ± 96.248 χ^2/NDF : 24.5/13

+ sign -46.477 ± 81.152 χ^2/NDF : 30.4/31

All: 27.632 ± 58.298 χ^2/NDF : 72.8/64

- sign 106.663 ± 83.803 χ^2/NDF : 40.7/32

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2 /NDF: 2360092.2/15

Left Out: 327.134 $\pm$ 0.066 χ^2 /NDF: 535591.7/15

Right Out: 425.980 $\pm$ 0.120 χ^2 /NDF: 2368792.4/18

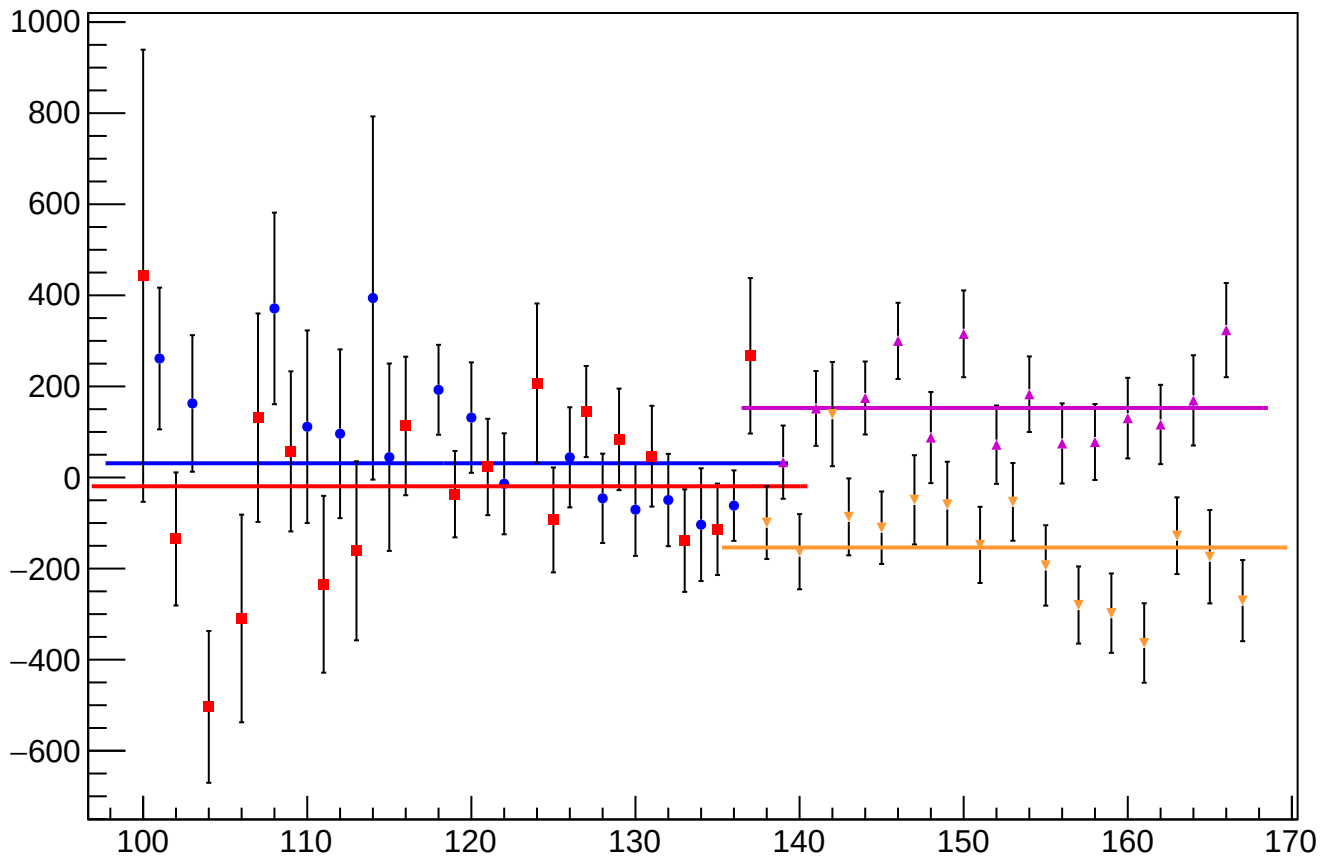
Left In: 320.779 $\pm$ 0.068 χ^2 /NDF: 685180.2/13

+ sign 345.680 $\pm$ 0.057 χ^2 /NDF: 3216590.1/31

All: 345.944 $\pm$ 0.041 χ^2 /NDF: 6848560.3/64

- sign 346.226 $\pm$ 0.059 χ^2 /NDF: 3631926.4/32

cor_asym_sam1_mean vs Slug



Right In: 31.260 ± 30.786 $\chi^2/\text{NDF}: 15.1/15$

Left Out: -153.732 ± 21.985 $\chi^2/\text{NDF}: 24.3/15$

Right Out: -19.282 ± 31.060 $\chi^2/\text{NDF}: 25.7/18$

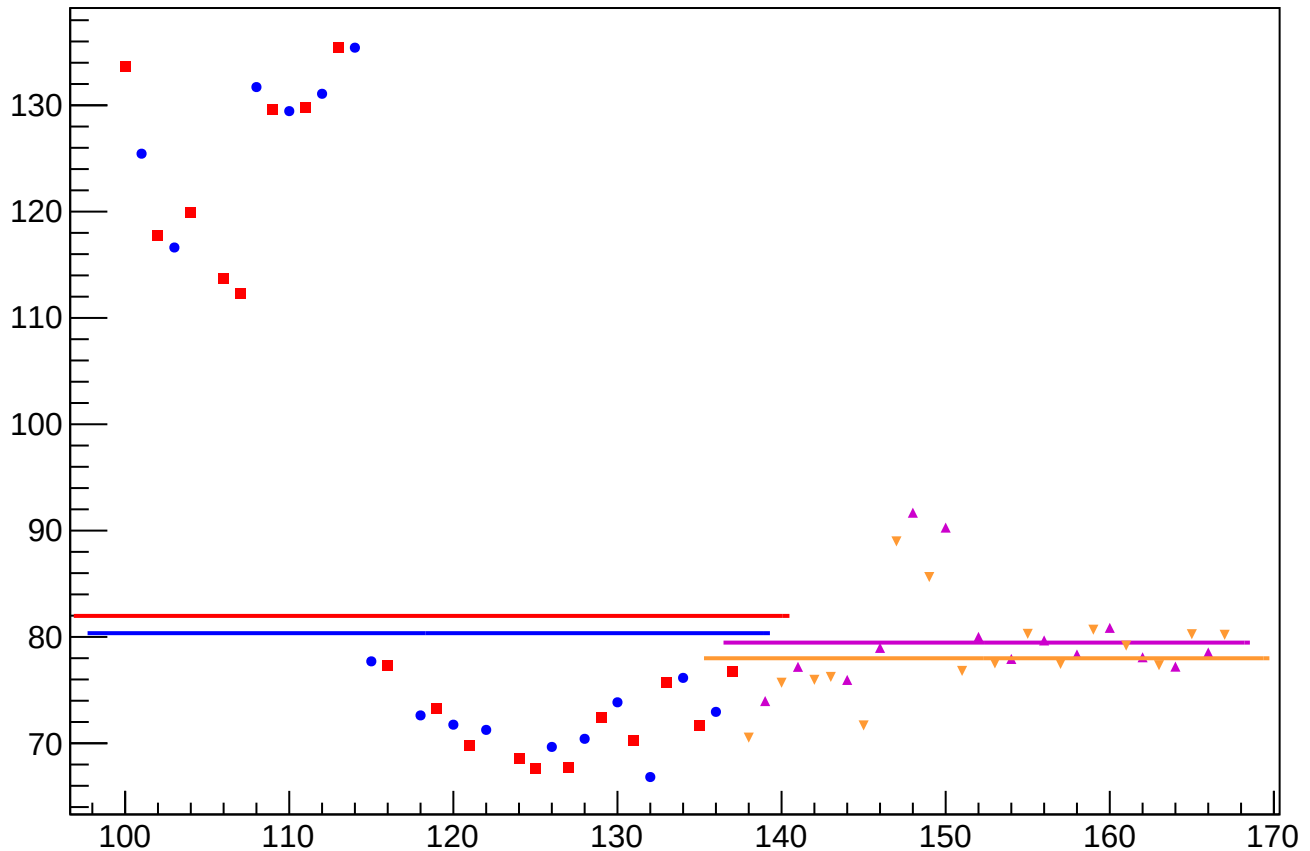
Left In: 152.691 ± 23.444 $\chi^2/\text{NDF}: 14.3/13$

+ sign -91.255 ± 17.891 $\chi^2/\text{NDF}: 63.3/31$

All: -4.559 ± 12.931 $\chi^2/\text{NDF}: 172.0/64$

- sign 90.273 ± 18.712 $\chi^2/\text{NDF}: 59.5/32$

cor_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.7/15

Left Out: 77.994 $\pm$ 0.016 χ^2 /NDF: 78030.9/15

Right Out: 81.978 $\pm$ 0.022 χ^2 /NDF: 930466.5/18

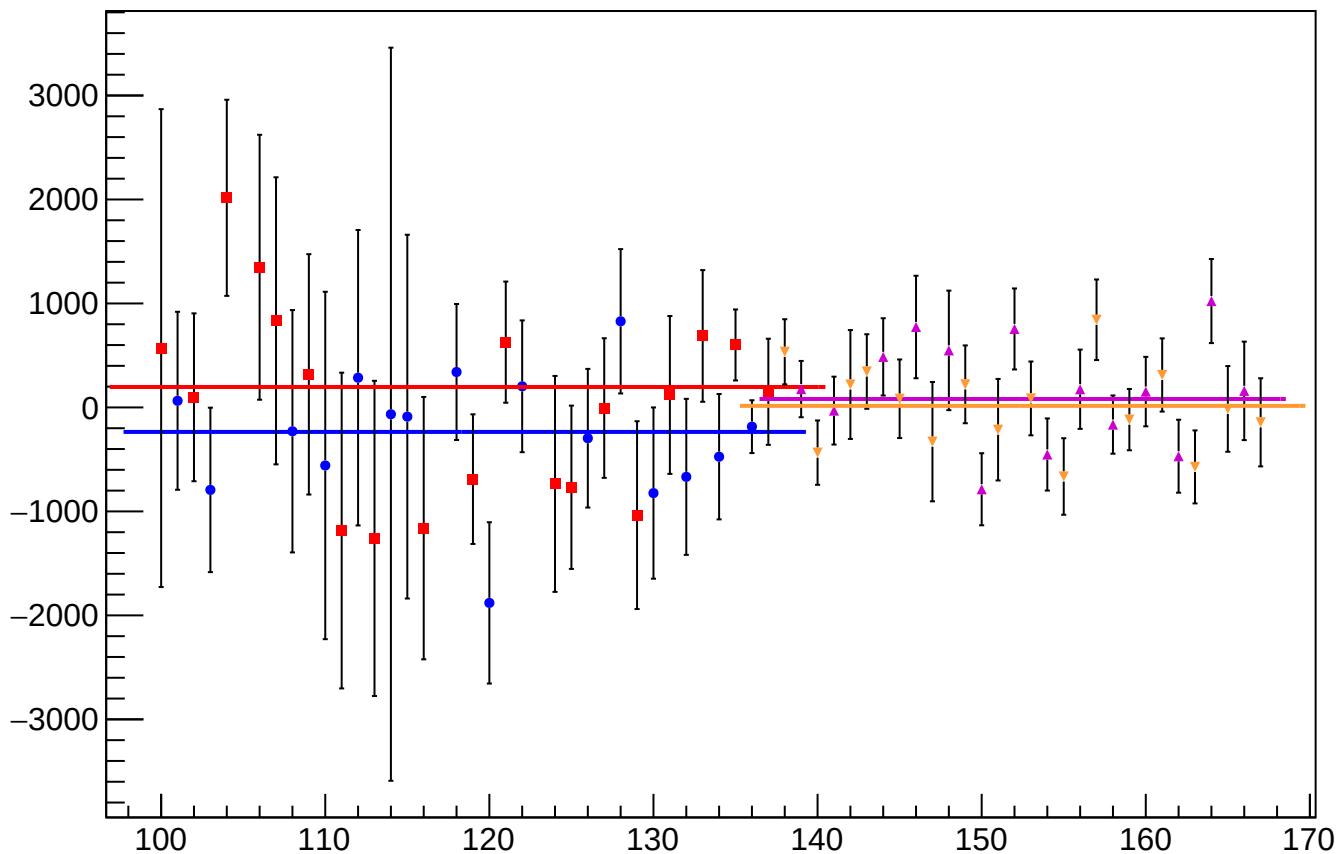
Left In: 79.467 $\pm$ 0.017 χ^2 /NDF: 73653.1/13

+ sign 78.791 $\pm$ 0.013 χ^2 /NDF: 925854.5/31

All: 79.549 $\pm$ 0.009 χ^2 /NDF: 1945819.9/64

- sign 80.378 $\pm$ 0.013 χ^2 /NDF: 1012448.2/32

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 15.055 ± 93.430 χ^2/NDF : 18.7/15

Right Out: 196.579 ± 170.492 χ^2/NDF : 16.6/18

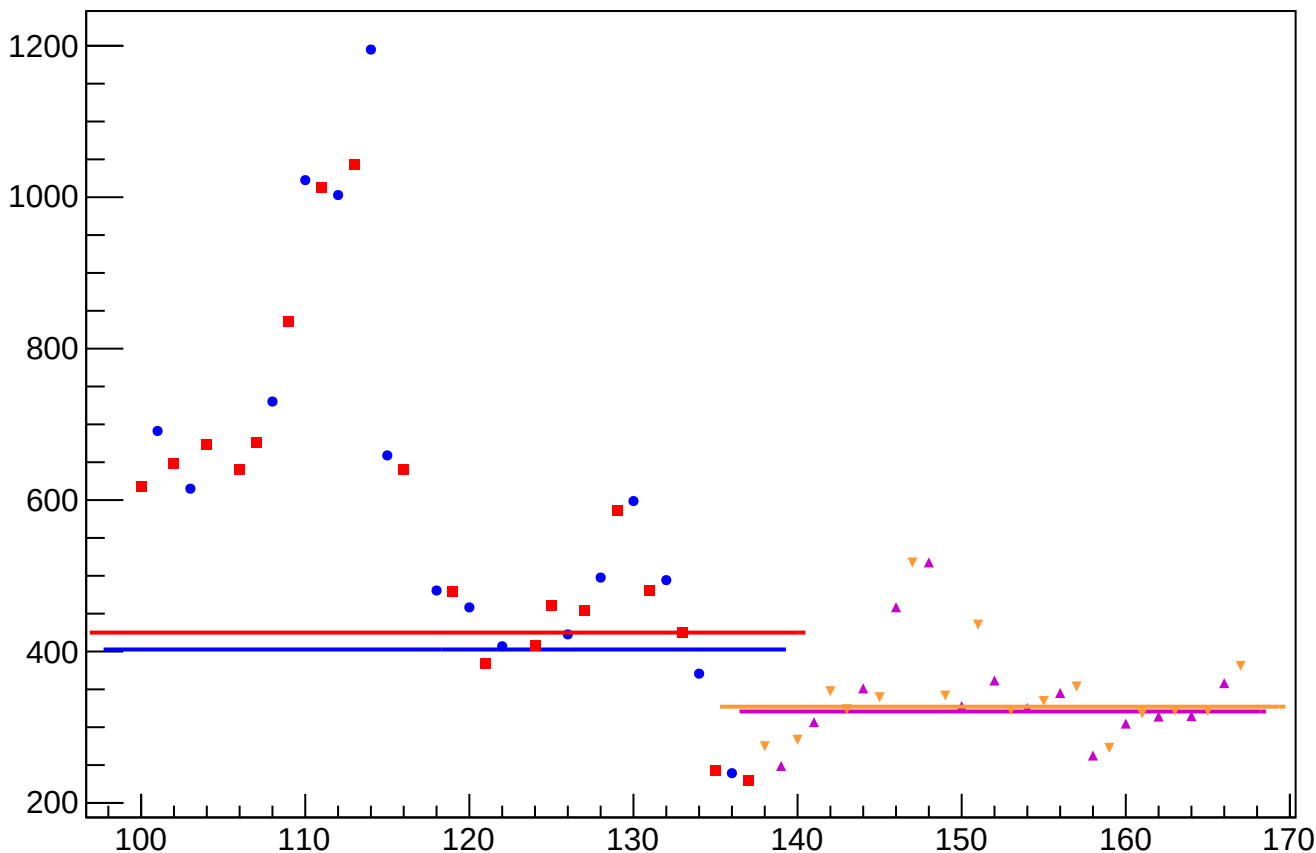
Left In: 81.157 ± 96.248 χ^2/NDF : 24.5/13

+ sign -46.475 ± 81.152 χ^2/NDF : 30.4/31

All: 28.778 ± 58.302 χ^2/NDF : 73.6/64

- sign 109.052 ± 83.815 χ^2/NDF : 41.4/32

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2 /NDF: 2360087.3/15

Left Out: 327.134 $\pm$ 0.066 χ^2 /NDF: 535599.7/15

Right Out: 424.988 $\pm$ 0.121 χ^2 /NDF: 2341027.2/18

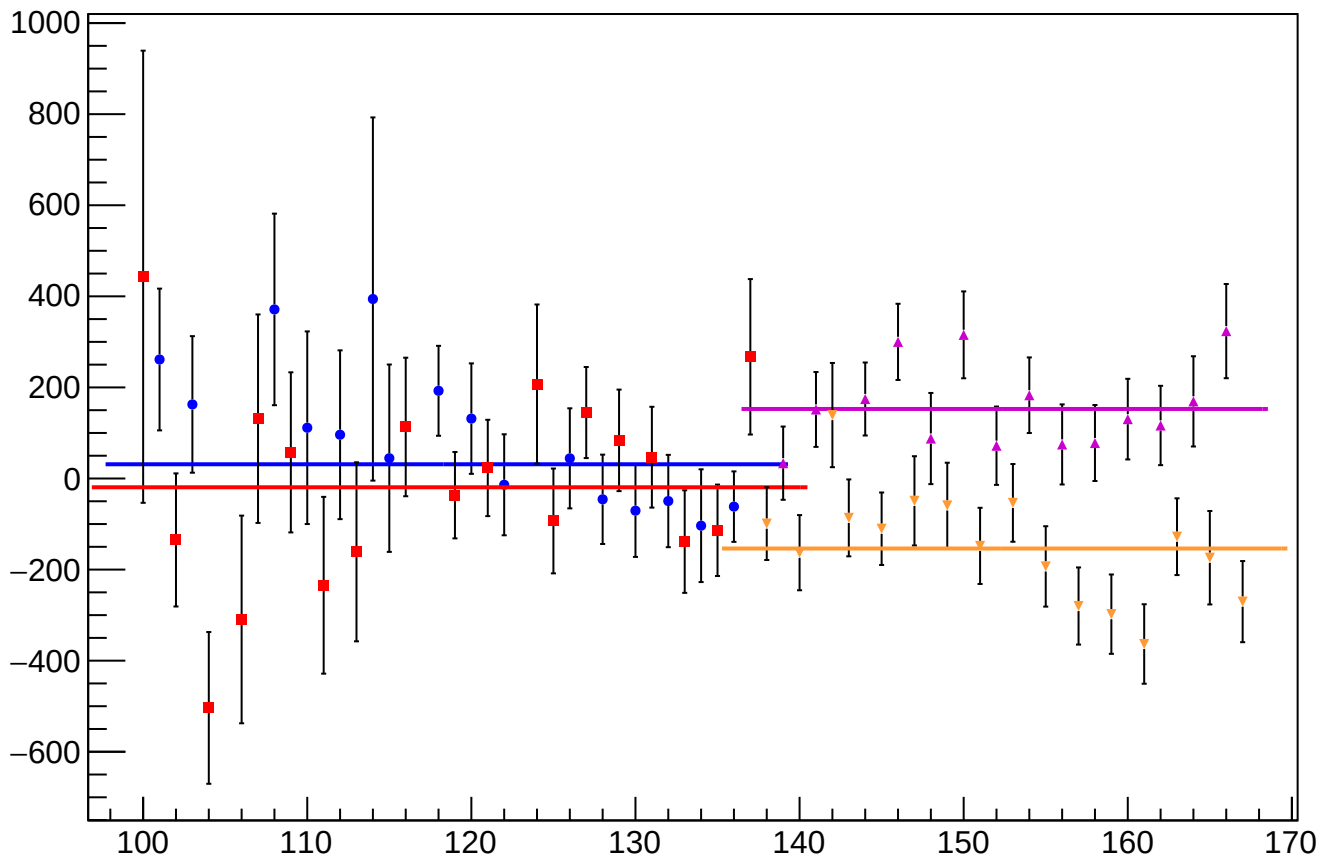
Left In: 320.779 $\pm$ 0.068 χ^2 /NDF: 685180.4/13

+ sign 345.680 $\pm$ 0.057 χ^2 /NDF: 3216596.1/31

All: 345.817 $\pm$ 0.041 χ^2 /NDF: 6809425.2/64

- sign 345.964 $\pm$ 0.059 χ^2 /NDF: 3592817.2/32

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF : 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF : 24.3/15

Right Out: -19.282+/-31.060 χ^2/NDF : 25.7/18

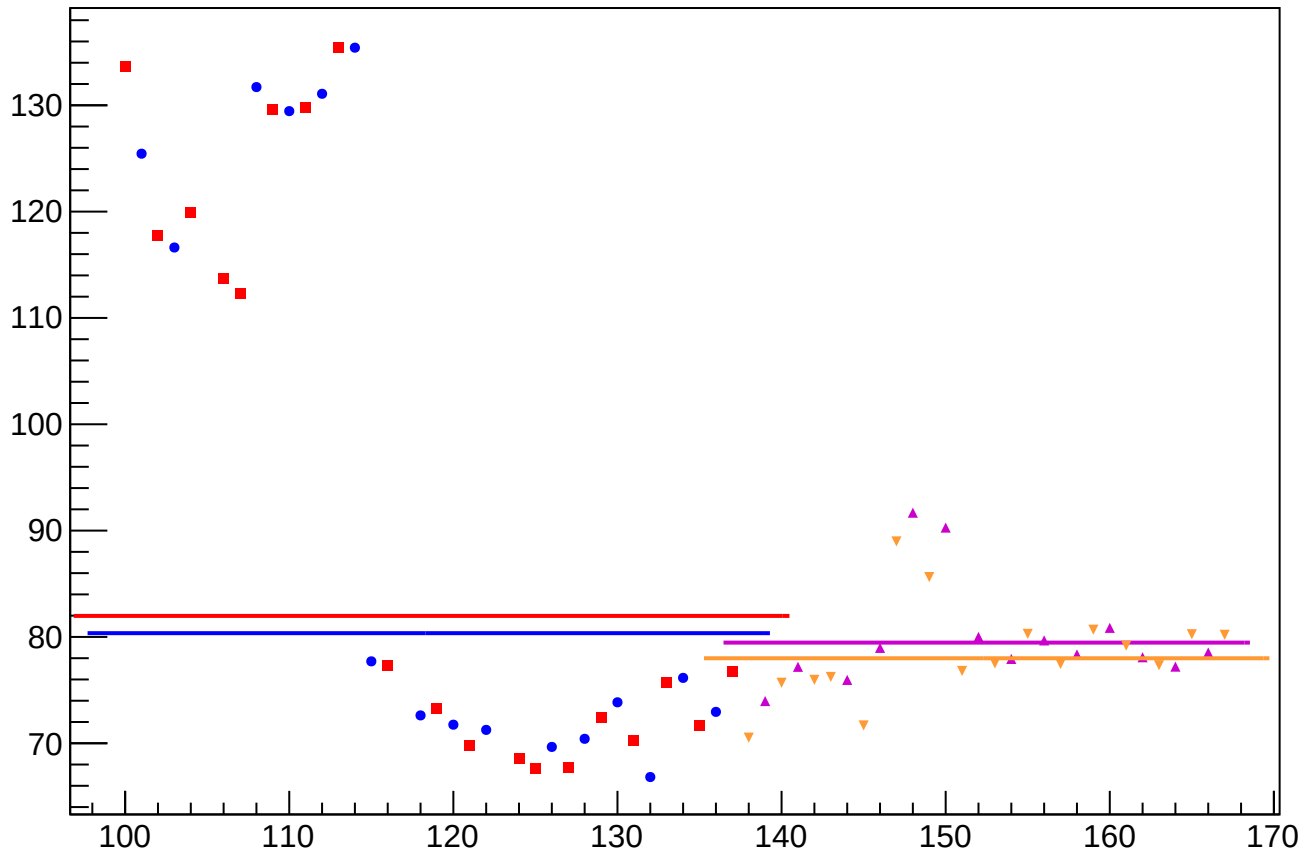
Left In: 152.691+/-23.444 χ^2/NDF : 14.3/13

+ sign -91.255+/-17.891 χ^2/NDF : 63.3/31

All: -4.559+/-12.931 χ^2/NDF : 172.0/64

- sign 90.273+/-18.712 χ^2/NDF : 59.5/32

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF : 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF : 78030.9/15

Right Out: 81.978+/-0.022 χ^2/NDF : 930466.5/18

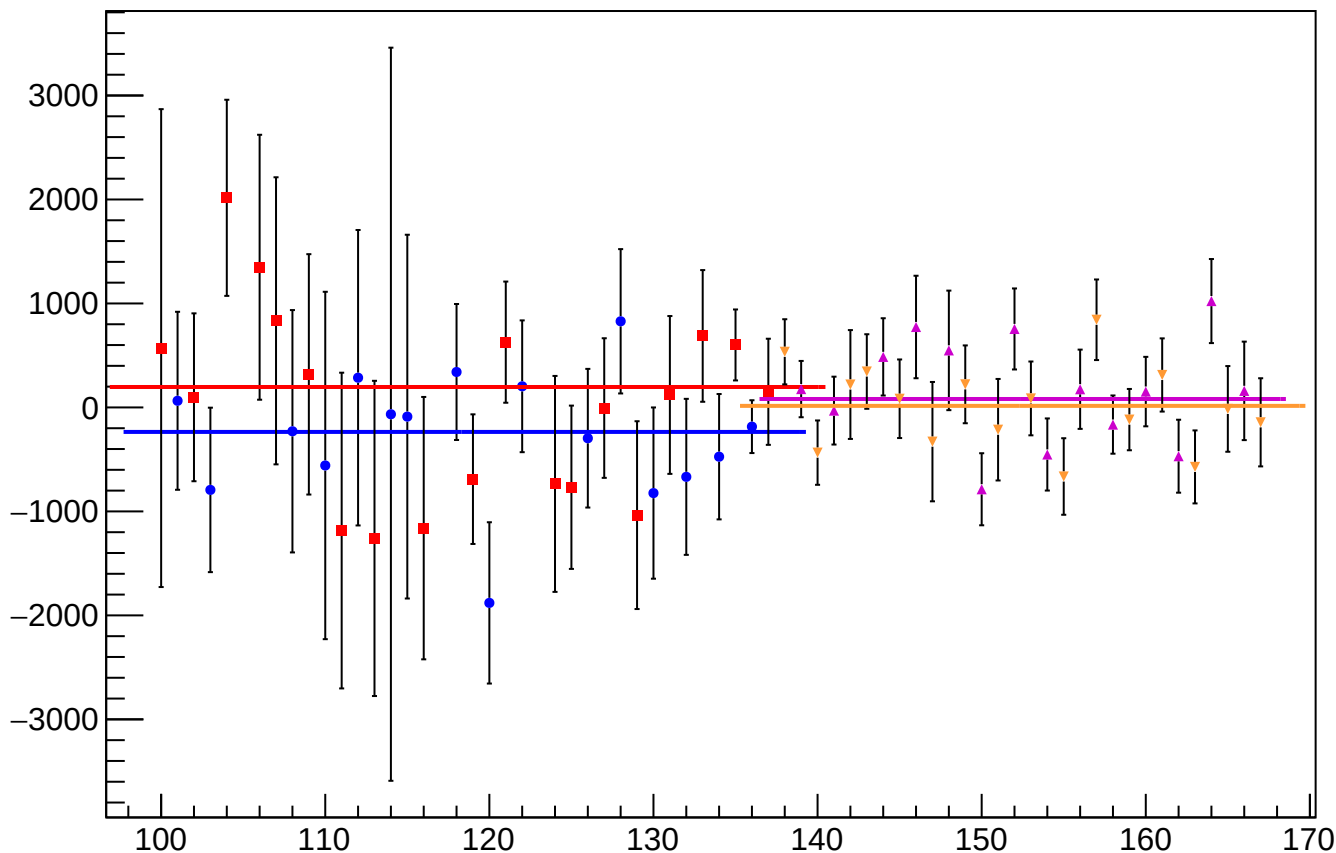
Left In: 79.467+/-0.017 χ^2/NDF : 73653.1/13

+ sign 78.791+/-0.013 χ^2/NDF : 925854.5/31

All: 79.549+/-0.009 χ^2/NDF : 1945819.9/64

- sign 80.378+/-0.013 χ^2/NDF : 1012448.2/32

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 15.055 ± 93.430 χ^2/NDF : 18.7/15

Right Out: 196.579 ± 170.492 χ^2/NDF : 16.6/18

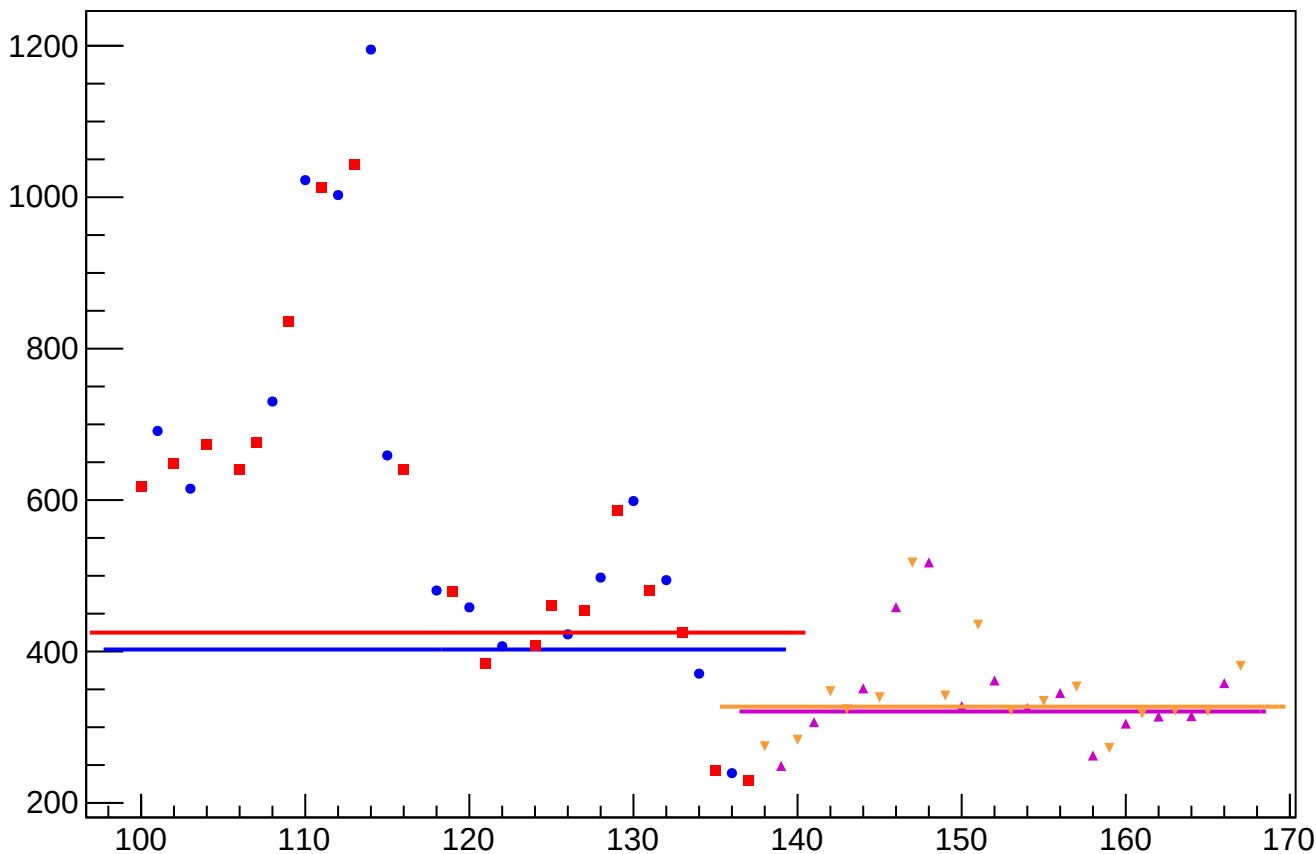
Left In: 81.157 ± 96.248 χ^2/NDF : 24.5/13

+ sign -46.475 ± 81.152 χ^2/NDF : 30.4/31

All: 28.778 ± 58.302 χ^2/NDF : 73.6/64

- sign 109.052 ± 83.815 χ^2/NDF : 41.4/32

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2 /NDF: 2360087.3/15

Left Out: 327.134 $\pm$ 0.066 χ^2 /NDF: 535599.7/15

Right Out: 424.988 $\pm$ 0.121 χ^2 /NDF: 2341027.2/18

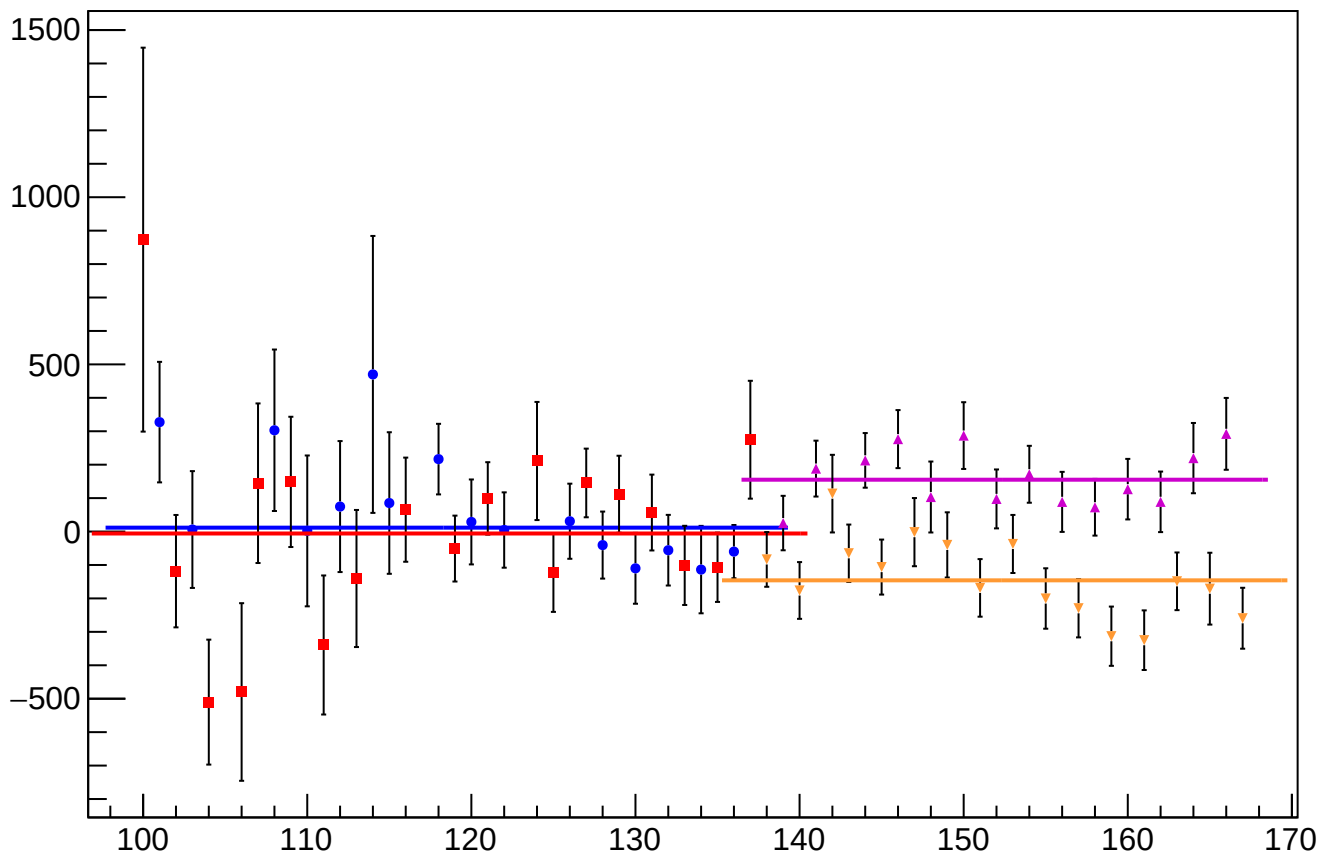
Left In: 320.779 $\pm$ 0.068 χ^2 /NDF: 685180.4/13

+ sign 345.680 $\pm$ 0.057 χ^2 /NDF: 3216596.1/31

All: 345.817 $\pm$ 0.041 χ^2 /NDF: 6809425.2/64

- sign 345.964 $\pm$ 0.059 χ^2 /NDF: 3592817.2/32

dit_asym_sam1_mean vs Slug



Right In: 11.651 ± 32.297 χ^2/NDF : 13.5/15

Left Out: -145.934 ± 22.570 χ^2/NDF : 22.1/15

Right Out: -5.817 ± 32.444 χ^2/NDF : 28.8/18

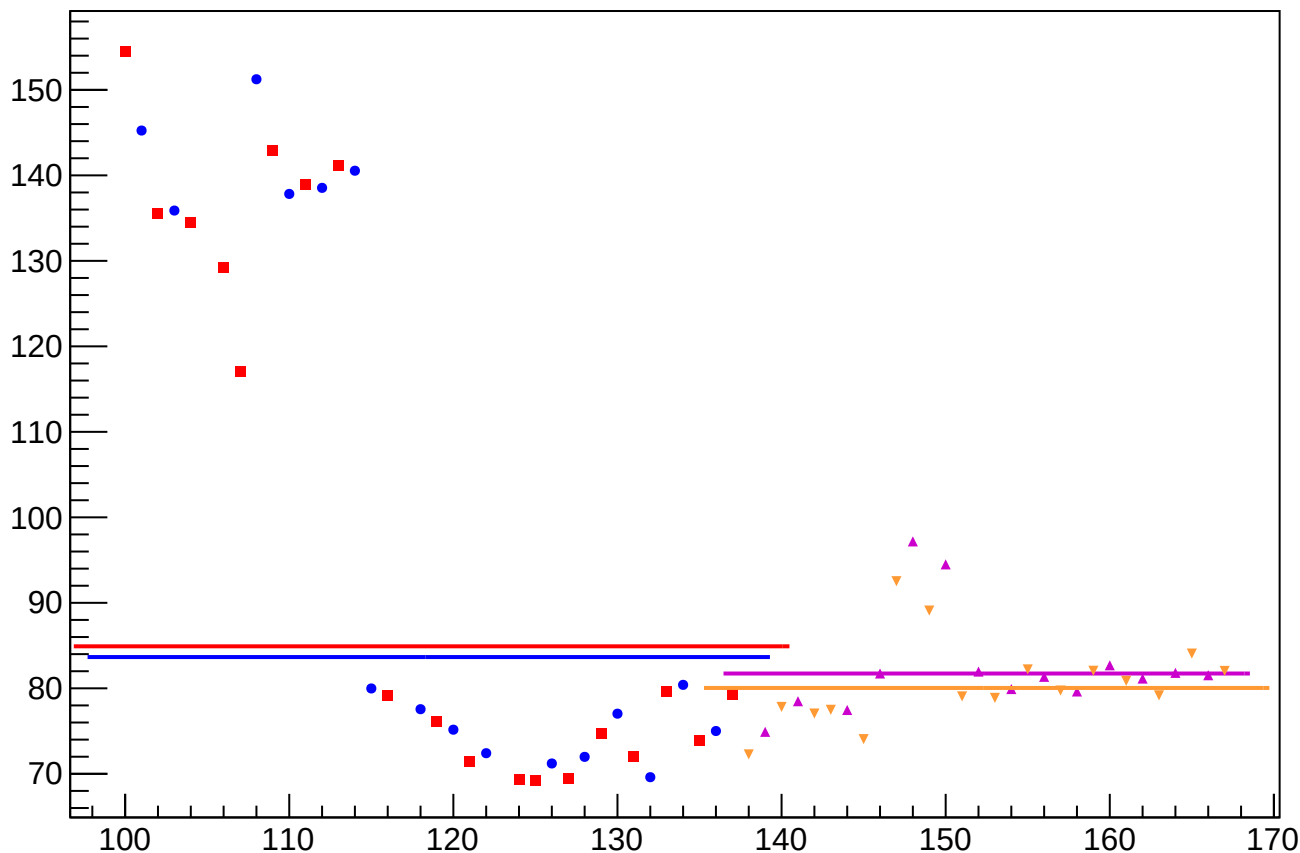
Left In: 155.051 ± 24.136 χ^2/NDF : 11.7/13

+ sign -94.227 ± 18.500 χ^2/NDF : 51.6/31

All: -2.624 ± 13.377 χ^2/NDF : 159.3/64

- sign 97.740 ± 19.365 χ^2/NDF : 56.3/32

dit_asym_sam1_rms vs Slug



Right In: 83.657 ± 0.023 χ^2/NDF : 1034794.6/15

Left Out: 80.044 ± 0.016 χ^2/NDF : 87259.2/15

Right Out: 84.913 ± 0.023 χ^2/NDF : 1121669.5/18

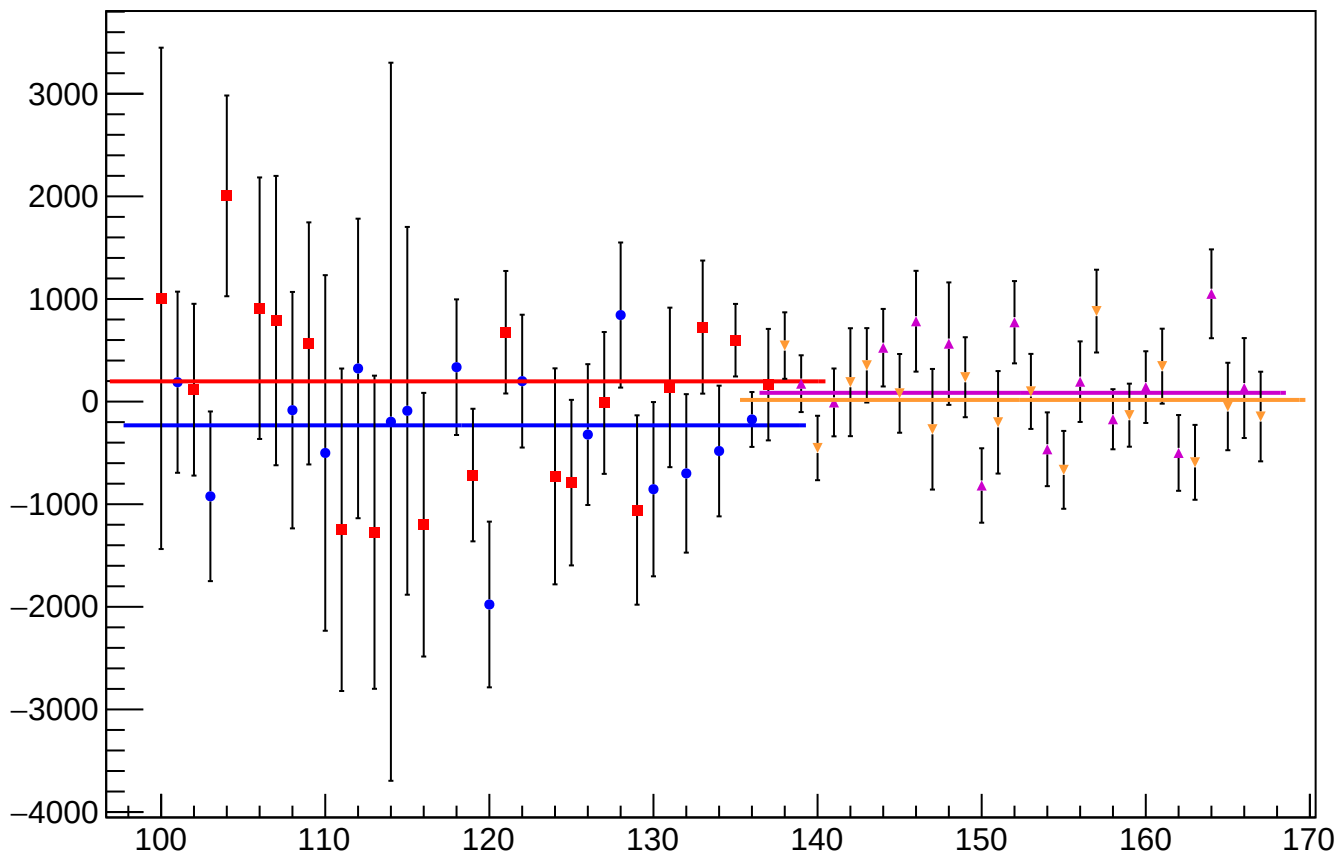
Left In: 81.732 ± 0.017 χ^2/NDF : 100134.6/13

+ sign 81.230 ± 0.013 χ^2/NDF : 1138868.1/31

All: 82.010 ± 0.009 χ^2/NDF : 2380509.0/64

- sign 82.865 ± 0.014 χ^2/NDF : 1234184.4/32

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407 ± 170.133 χ^2/NDF : 10.4/15

Left Out: 16.257 ± 96.182 χ^2/NDF : 18.5/15

Right Out: 197.206 ± 176.091 χ^2/NDF : 15.9/18

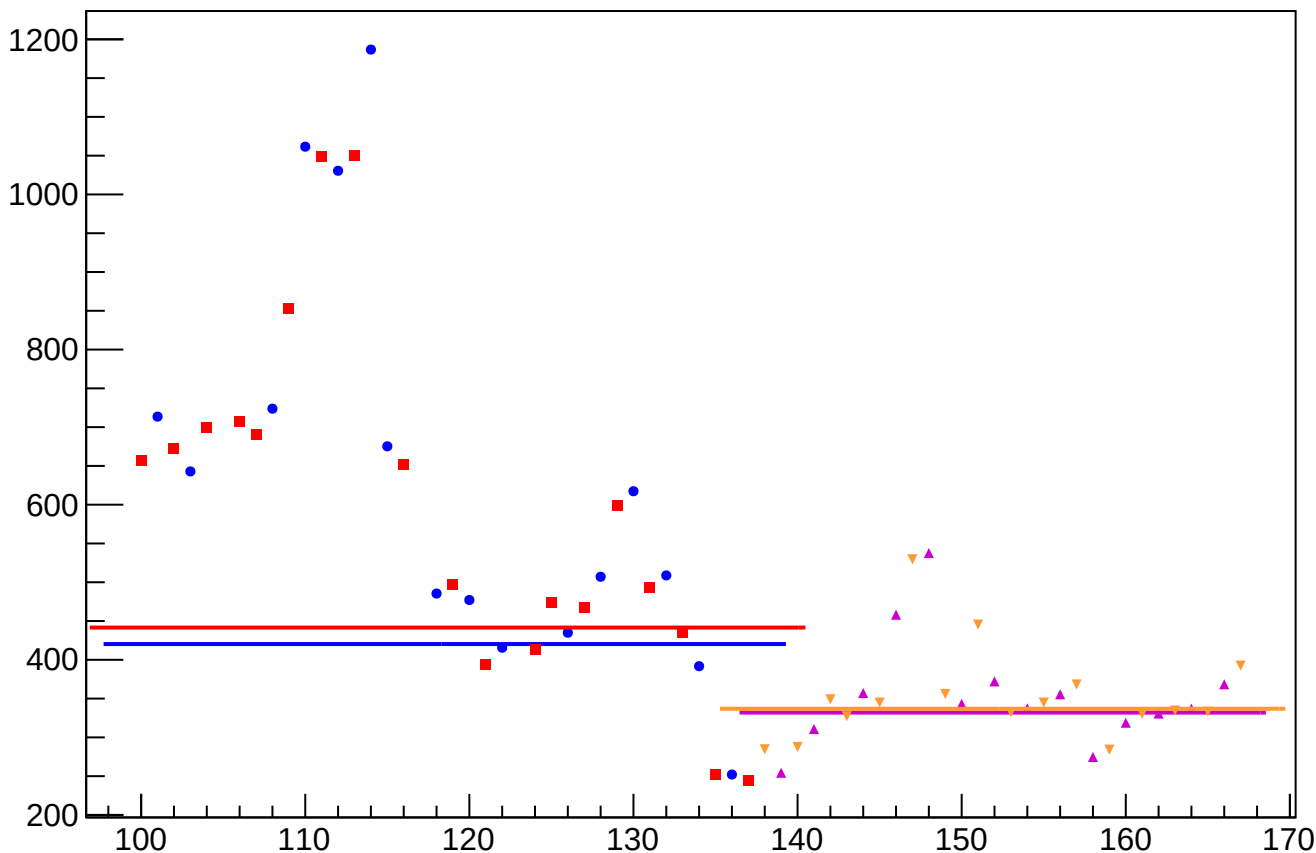
Left In: 85.478 ± 99.530 χ^2/NDF : 24.1/13

+ sign -43.726 ± 83.728 χ^2/NDF : 30.5/31

All: 31.726 ± 60.210 χ^2/NDF : 72.5/64

- sign 112.529 ± 86.647 χ^2/NDF : 40.2/32

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329 $\pm$ 0.120 χ^2 /NDF: 2254610.0/15

Left Out: 336.913 $\pm$ 0.068 χ^2 /NDF: 524401.9/15

Right Out: 441.598 $\pm$ 0.125 χ^2 /NDF: 2307588.5/18

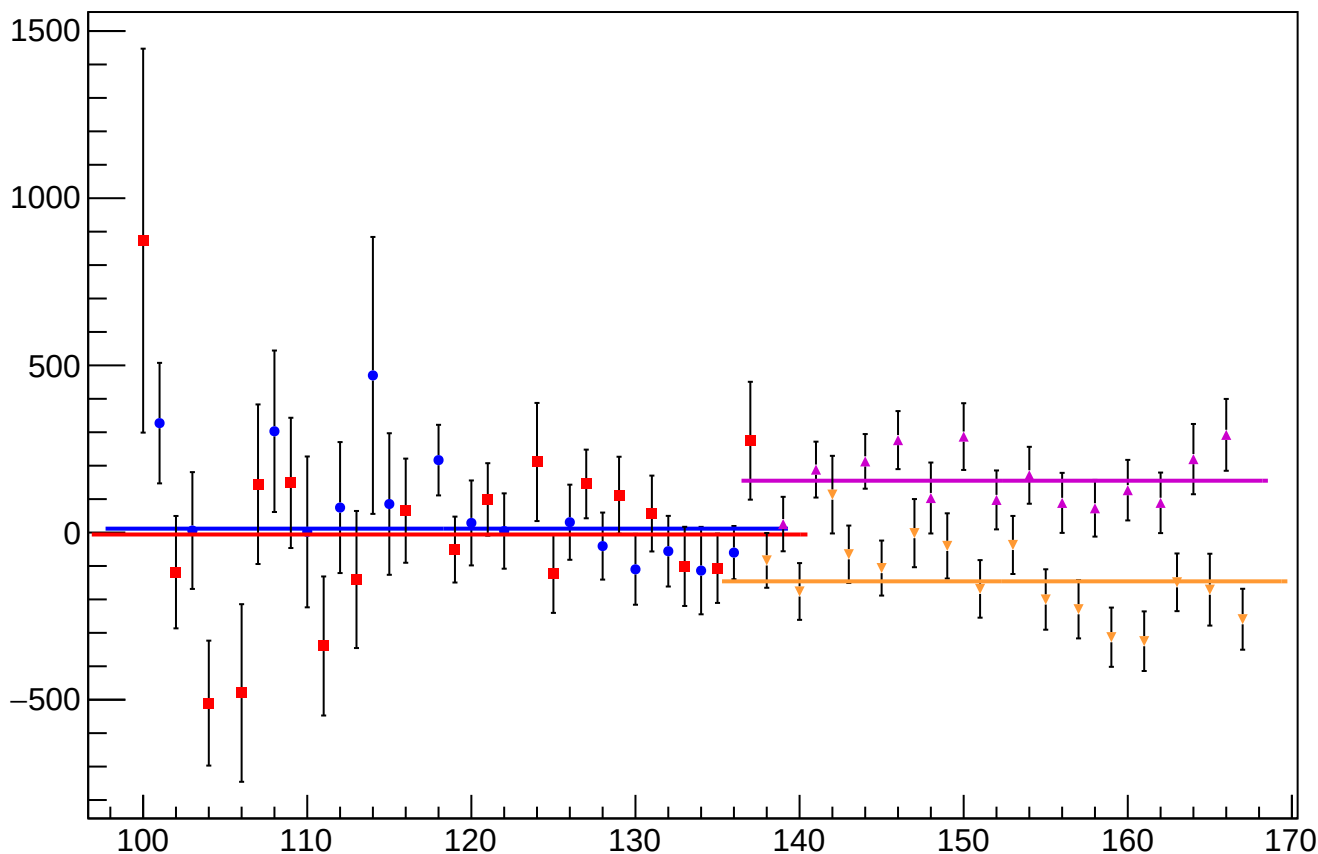
Left In: 331.977 $\pm$ 0.070 χ^2 /NDF: 664618.9/13

+ sign 357.116 $\pm$ 0.059 χ^2 /NDF: 3143360.4/31

All: 357.793 $\pm$ 0.043 χ^2 /NDF: 6703250.8/64

- sign 358.518 $\pm$ 0.061 χ^2 /NDF: 3559619.6/32

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652 ± 32.297 χ^2/NDF : 13.5/15

Left Out: -145.933 ± 22.570 χ^2/NDF : 22.1/15

Right Out: -5.816 ± 32.444 χ^2/NDF : 28.8/18

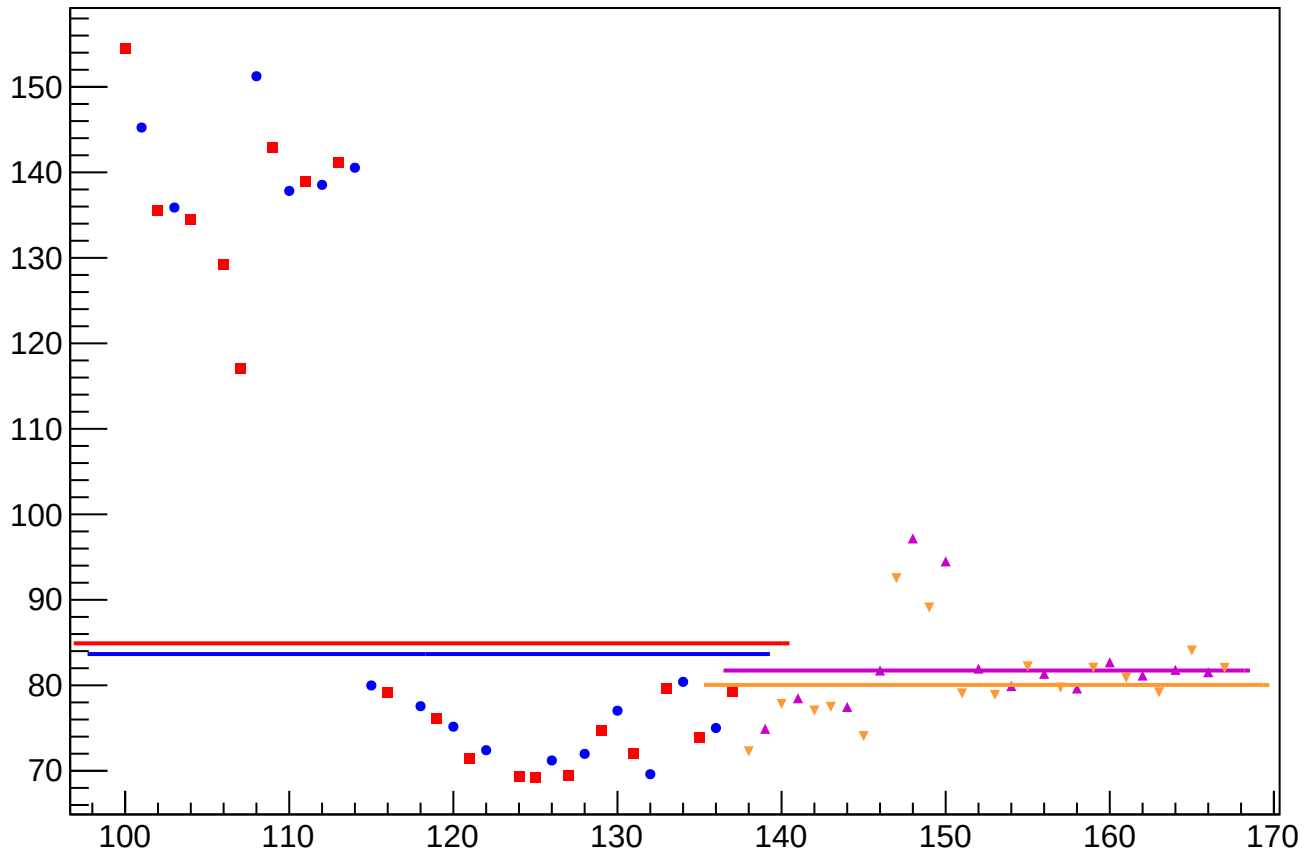
Left In: 155.051 ± 24.136 χ^2/NDF : 11.7/13

+ sign -94.227 ± 18.500 χ^2/NDF : 51.6/31

All: -2.623 ± 13.377 χ^2/NDF : 159.3/64

- sign 97.741 ± 19.365 χ^2/NDF : 56.3/32

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF : 1034794.1/15

Left Out: 80.044+/-0.016 χ^2/NDF : 87258.6/15

Right Out: 84.913+/-0.023 χ^2/NDF : 1121668.5/18

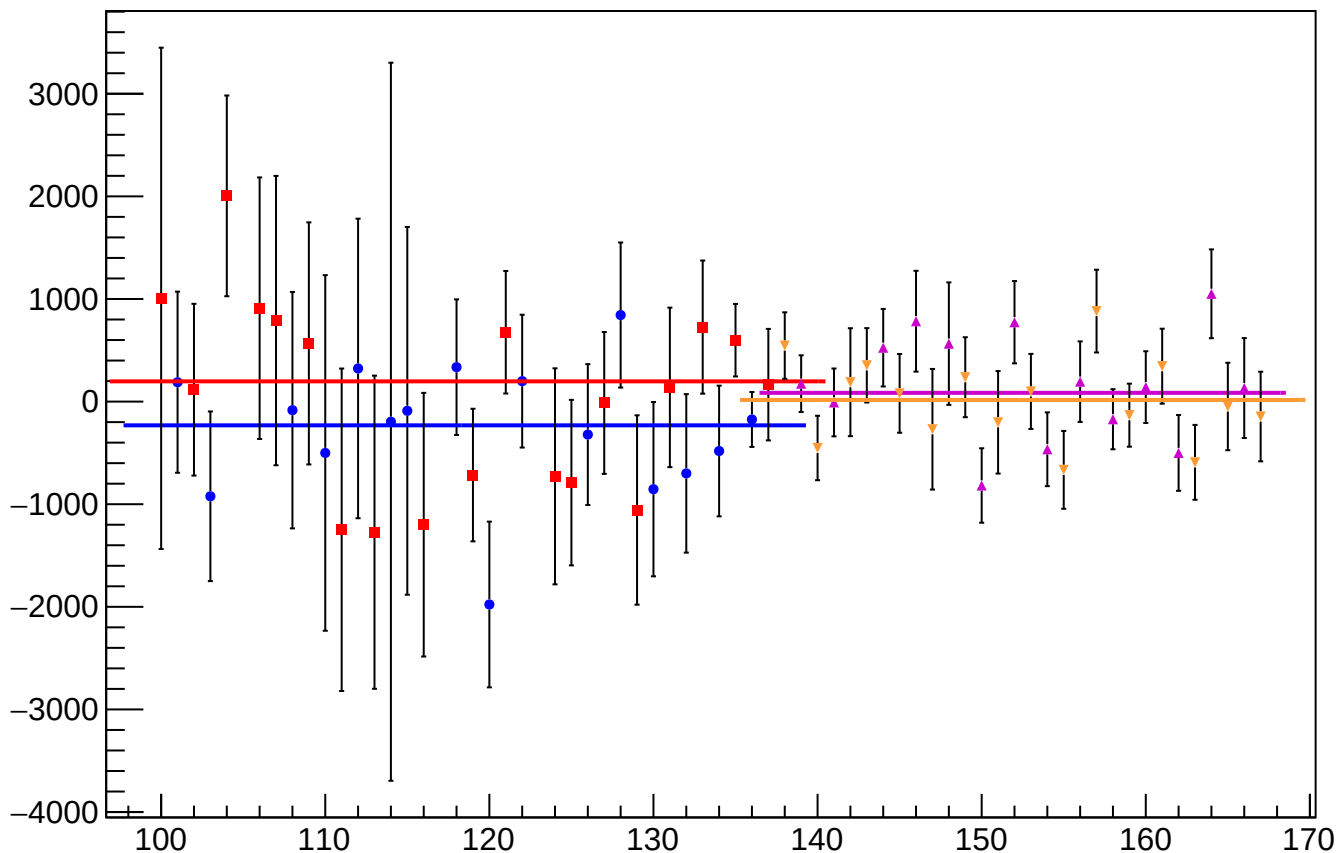
Left In: 81.732+/-0.017 χ^2/NDF : 100133.8/13

+ sign 81.230+/-0.013 χ^2/NDF : 1138866.5/31

All: 82.010+/-0.009 χ^2/NDF : 2380505.0/64

- sign 82.865+/-0.014 χ^2/NDF : 1234182.2/32

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405 ± 170.132 χ^2/NDF : 10.4/15

Left Out: 16.258 ± 96.182 χ^2/NDF : 18.5/15

Right Out: 197.207 ± 176.091 χ^2/NDF : 15.9/18

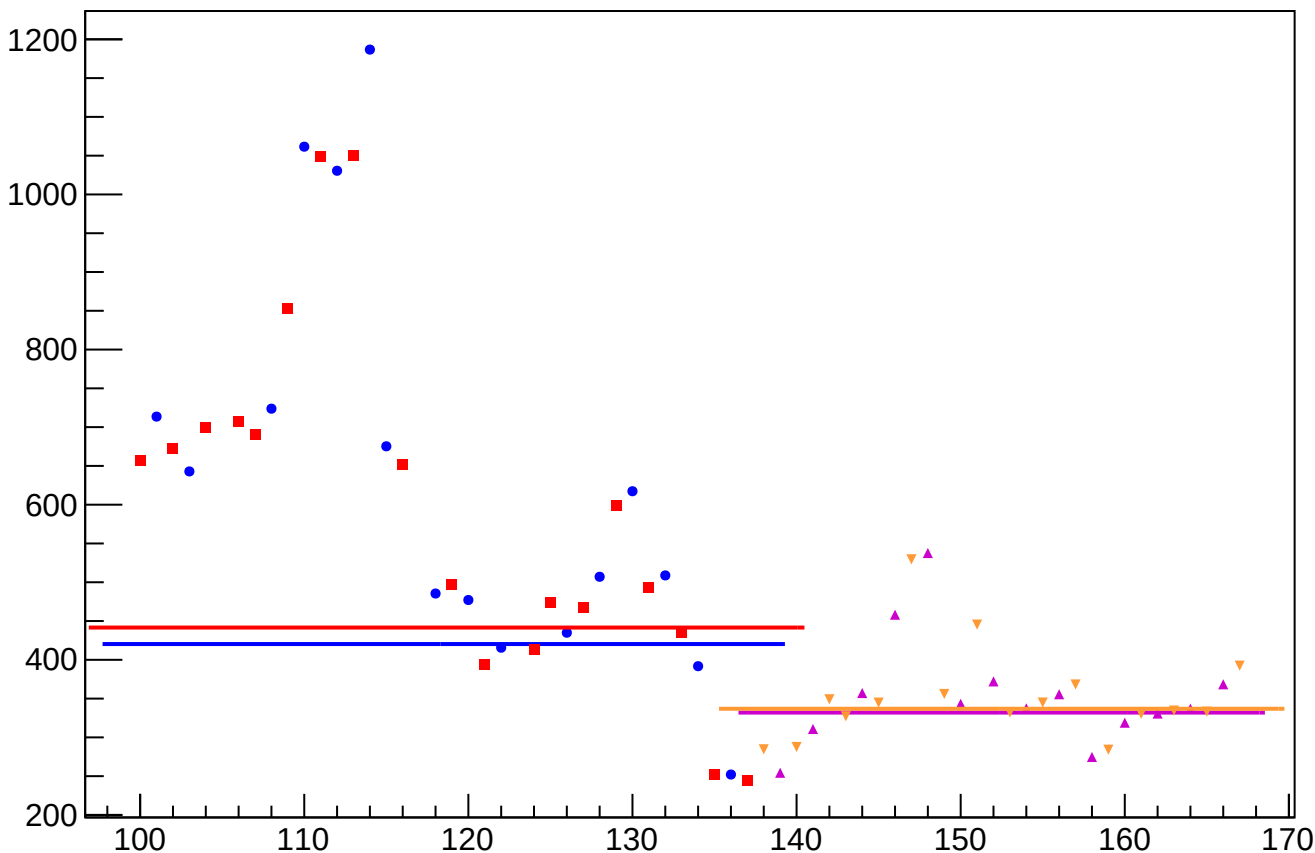
Left In: 85.478 ± 99.530 χ^2/NDF : 24.1/13

+ sign -43.725 ± 83.728 χ^2/NDF : 30.5/31

All: 31.726 ± 60.210 χ^2/NDF : 72.5/64

- sign 112.530 ± 86.647 χ^2/NDF : 40.2/32

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329 $\pm$ 0.120 χ^2 /NDF: 2254614.9/15

Left Out: 336.912 $\pm$ 0.068 χ^2 /NDF: 524401.9/15

Right Out: 441.597 $\pm$ 0.125 χ^2 /NDF: 2307595.1/18

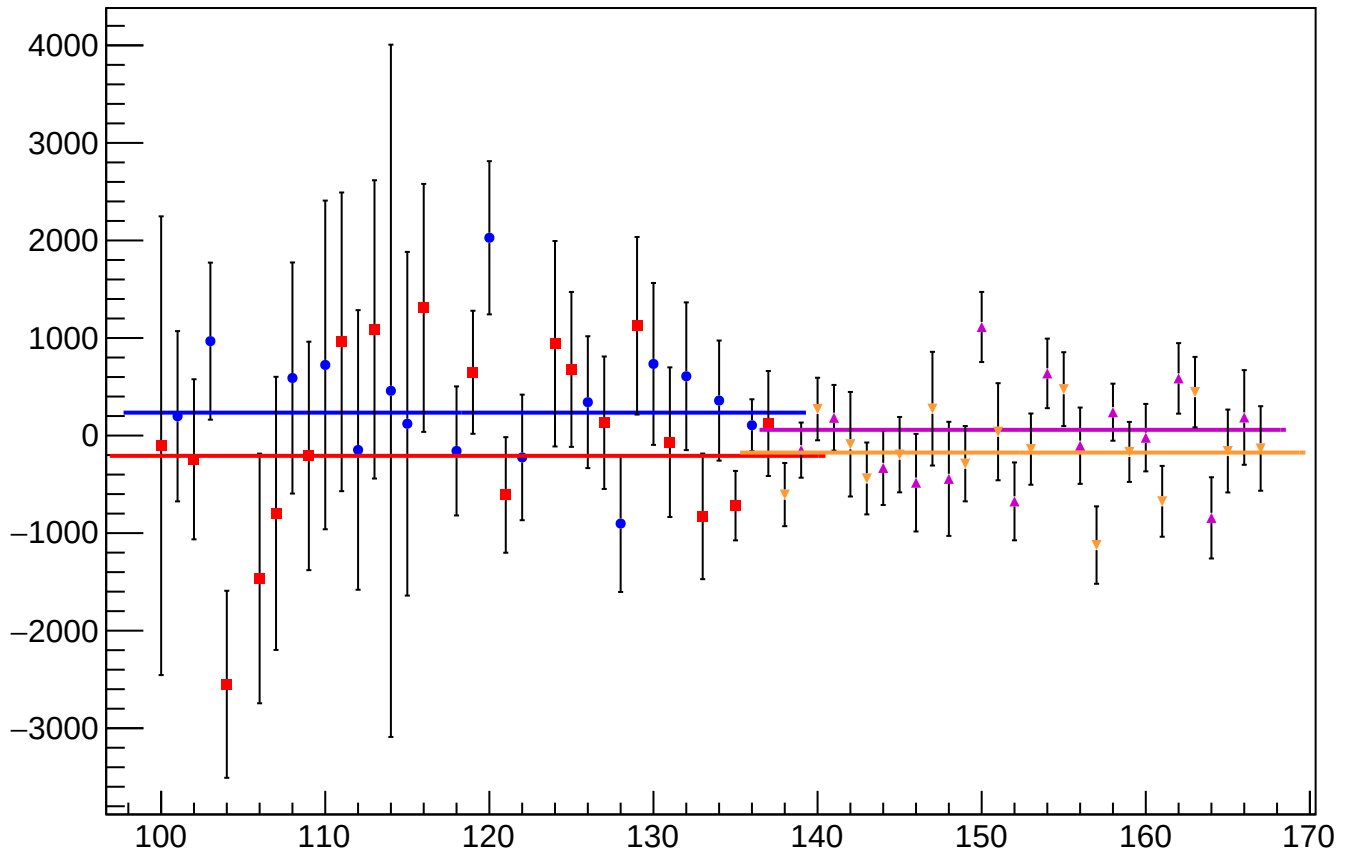
Left In: 331.977 $\pm$ 0.070 χ^2 /NDF: 664620.3/13

+ sign 357.116 $\pm$ 0.059 χ^2 /NDF: 3143361.4/31

All: 357.793 $\pm$ 0.043 χ^2 /NDF: 6703253.9/64

- sign 358.518 $\pm$ 0.061 χ^2 /NDF: 3559621.7/32

asym_sam1_mean vs Slug



Right In: 235.054 $\pm$ 168.199 χ^2 /NDF: 10.7/15

Left Out: -174.440 $\pm$ 96.212 χ^2 /NDF:18.6/15

Right Out: -207.936 $\pm$ 174.716 χ^2 /NDF: 20.4/18

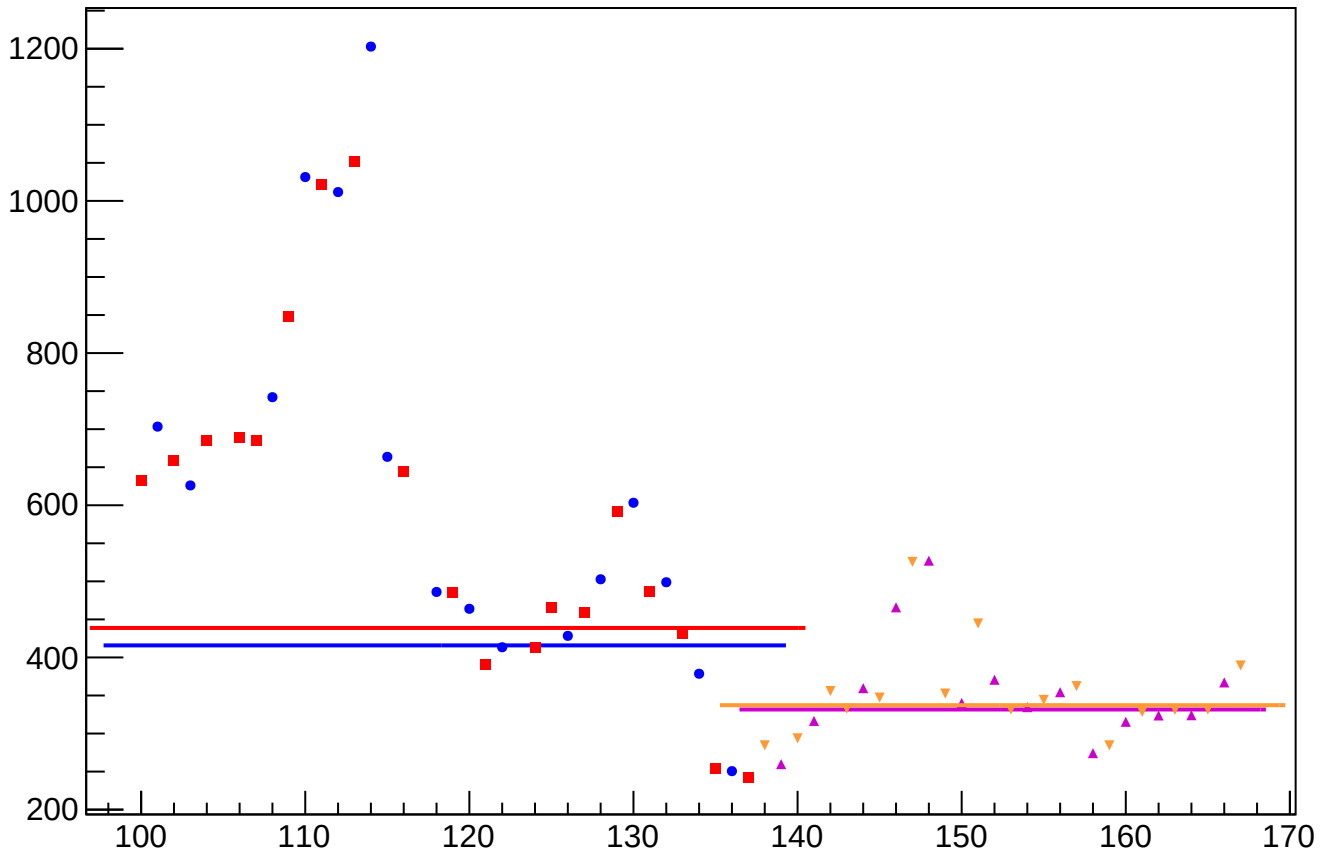
Left In: 58.841 $\pm$ 99.346 χ^2 /NDF:25.8/13

+ sign -73.485 $\pm$ 83.515 χ^2 /NDF: 33.8/31

All: -41.037 $\pm$ 60.035 χ^2 /NDF: 82.0/64

- sign -6.340 $\pm$ 86.361 χ^2 /NDF: 47.9/32

asym_sam1_rms vs Slug



Right In: 415.840 $\pm$ 0.119 χ^2 /NDF: 2223949.6/15

Left Out: 337.256 $\pm$ 0.068 χ^2 /NDF: 498467.9/15

Right Out: 438.773 $\pm$ 0.124 χ^2 /NDF: 2234776.6/18

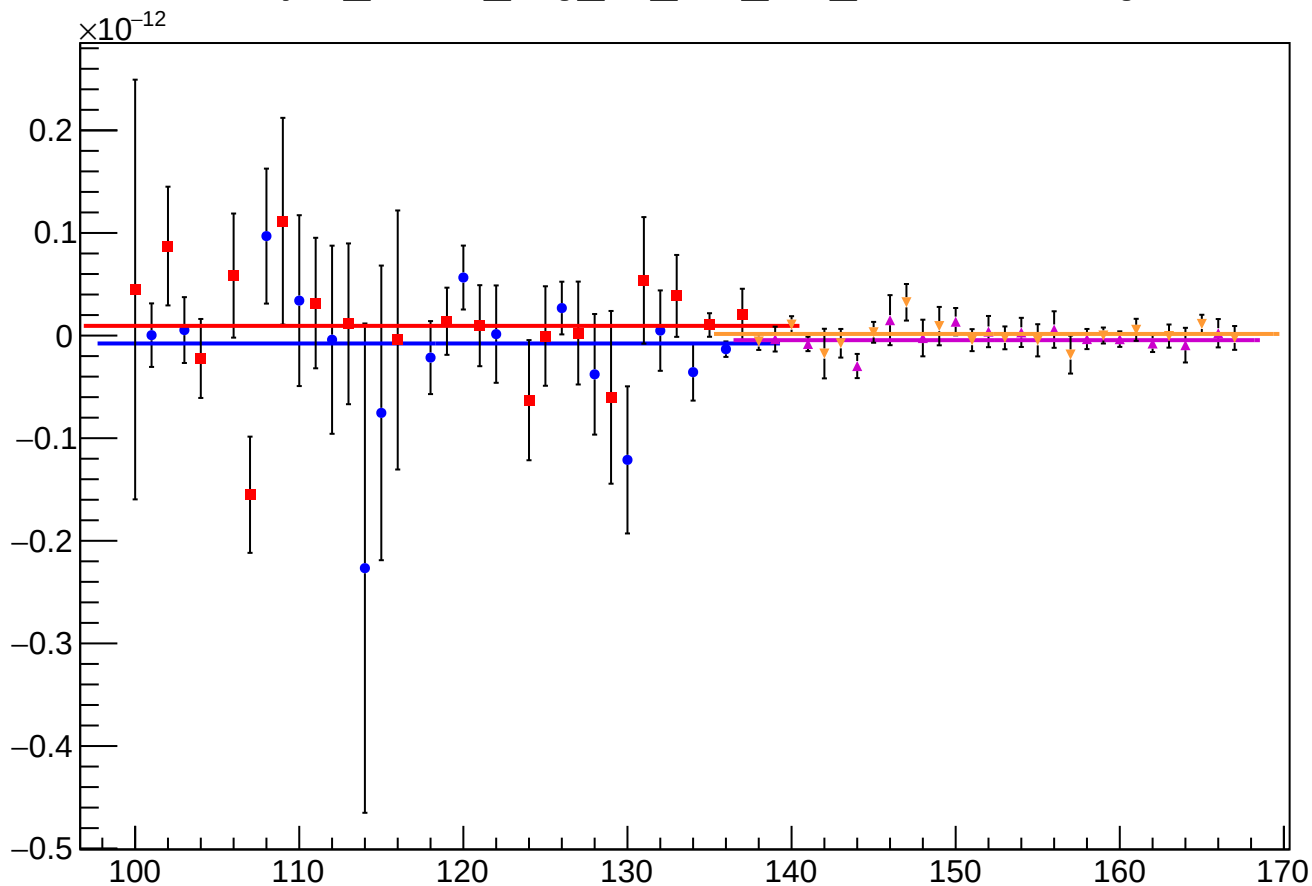
Left In: 331.581 $\pm$ 0.070 χ^2 /NDF: 632631.9/13

+ sign 356.630 $\pm$ 0.059 χ^2 /NDF: 3051353.1/31

All: 357.181 $\pm$ 0.042 χ^2 /NDF: 6487825.8/64

- sign 357.771 $\pm$ 0.061 χ^2 /NDF: 3436292.1/32

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 9.5/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.3/18

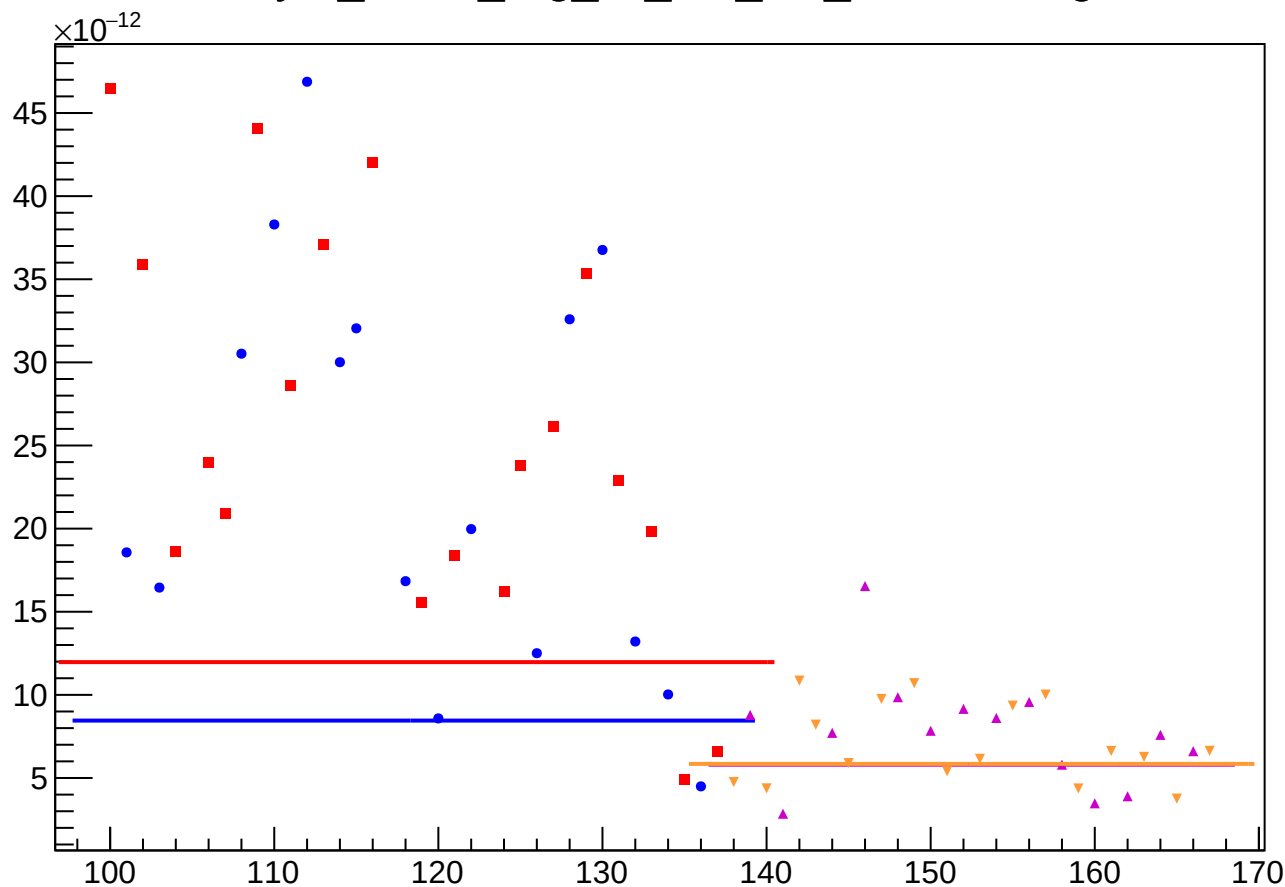
Left In: -0.000 ± 0.000 χ^2/NDF : 8.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 26.2/31

All: -0.000 ± 0.000 χ^2/NDF : 54.3/64

- sign -0.000 ± 0.000 χ^2/NDF : 27.6/32

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 881996.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2760154.9/18

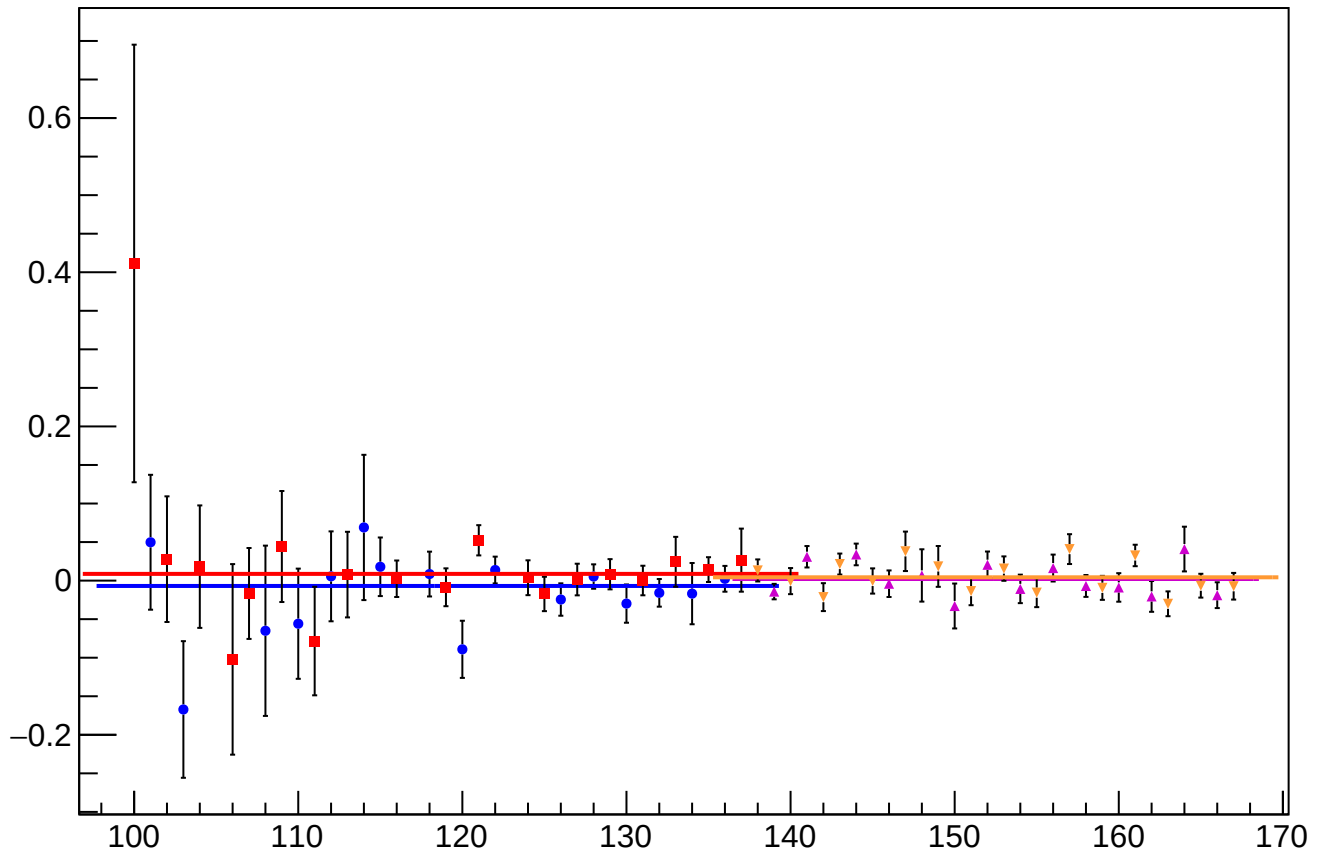
Left In: 0.000+/-0.000 χ^2/NDF : 1652755.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 3934953.7/31

All: 0.000+/-0.000 χ^2/NDF : 9363090.1/64

- sign 0.000+/-0.000 χ^2/NDF : 5418653.0/32

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 $\chi^2/\text{NDF}: 14.9/15$

Left Out: 0.004 ± 0.004 $\chi^2/\text{NDF}: 22.8/15$

Right Out: 0.009 ± 0.006 $\chi^2/\text{NDF}: 12.6/18$

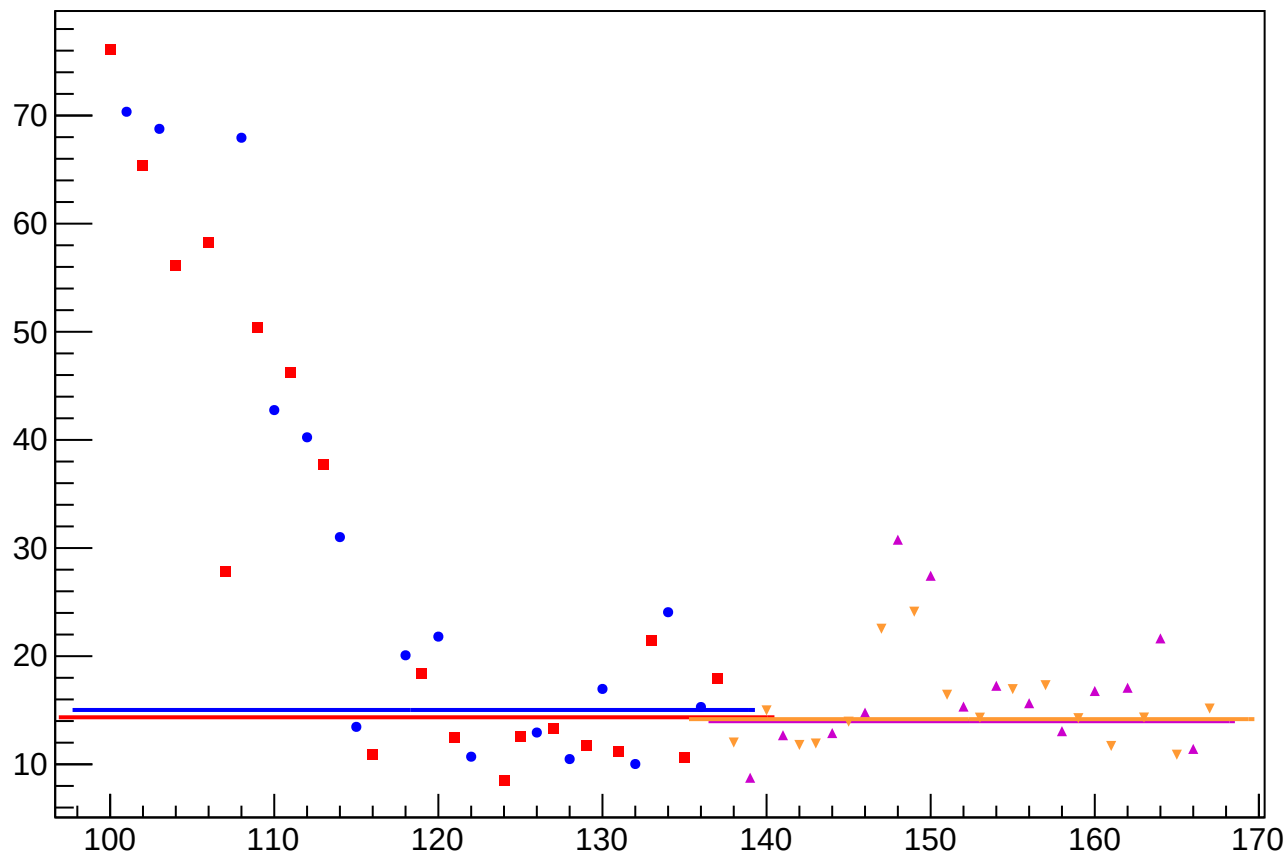
Left In: 0.002 ± 0.004 $\chi^2/\text{NDF}: 21.4/13$

+ sign 0.001 ± 0.004 $\chi^2/\text{NDF}: 39.7/31$

All: 0.003 ± 0.003 $\chi^2/\text{NDF}: 74.9/64$

- sign 0.004 ± 0.004 $\chi^2/\text{NDF}: 34.8/32$

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026 $\pm$ 0.005 χ^2 /NDF: 3438260.9/15

Left Out: 14.177 $\pm$ 0.003 χ^2 /NDF: 923215.1/15

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629014.9/18

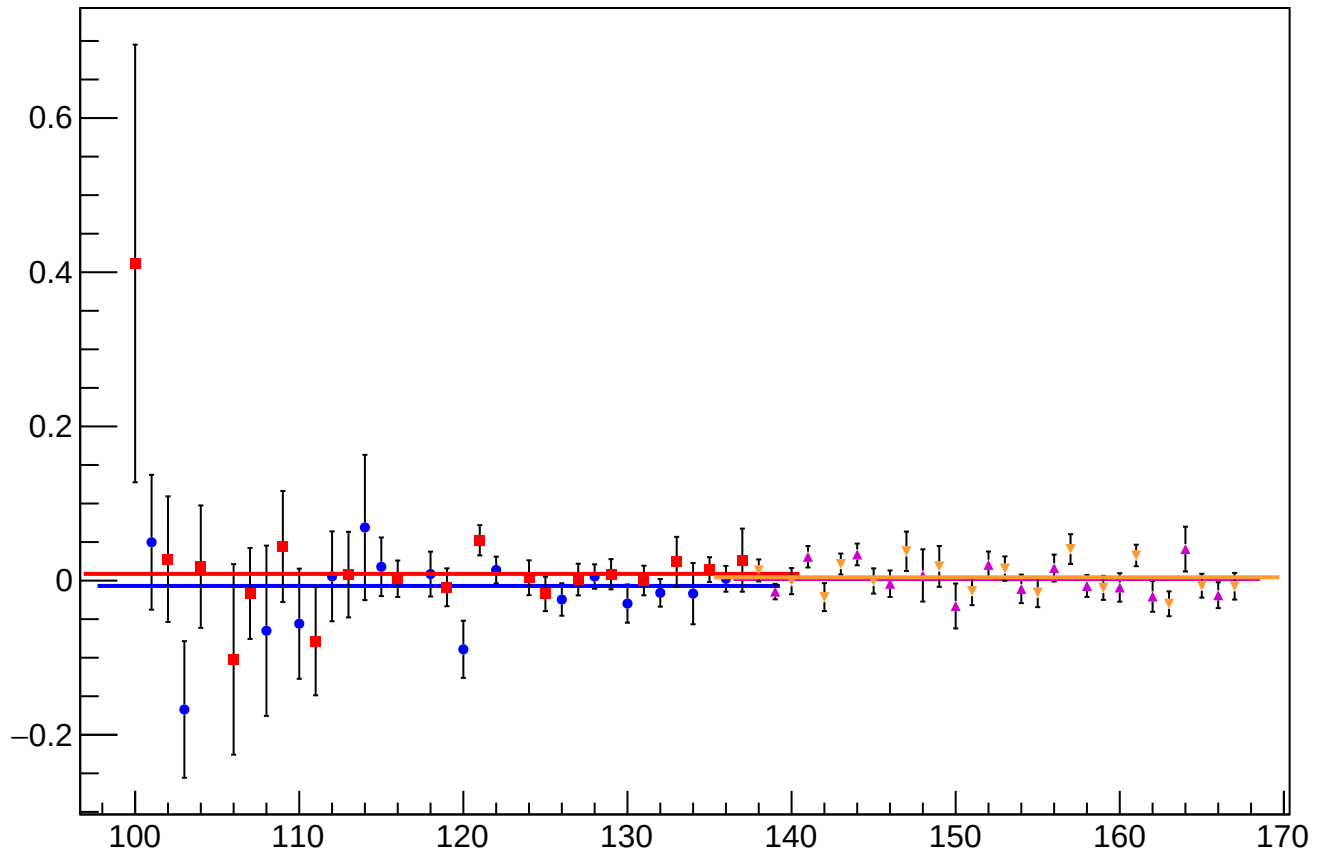
Left In: 13.985 $\pm$ 0.003 χ^2 /NDF: 1874226.3/13

+ sign 14.414 $\pm$ 0.003 χ^2 /NDF: 4384370.3/31

All: 14.263 $\pm$ 0.002 χ^2 /NDF: 9899340.0/64

- sign 14.104 $\pm$ 0.003 χ^2 /NDF: 5507583.0/32

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: 0.004 ± 0.004 χ^2/NDF : 22.8/15

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

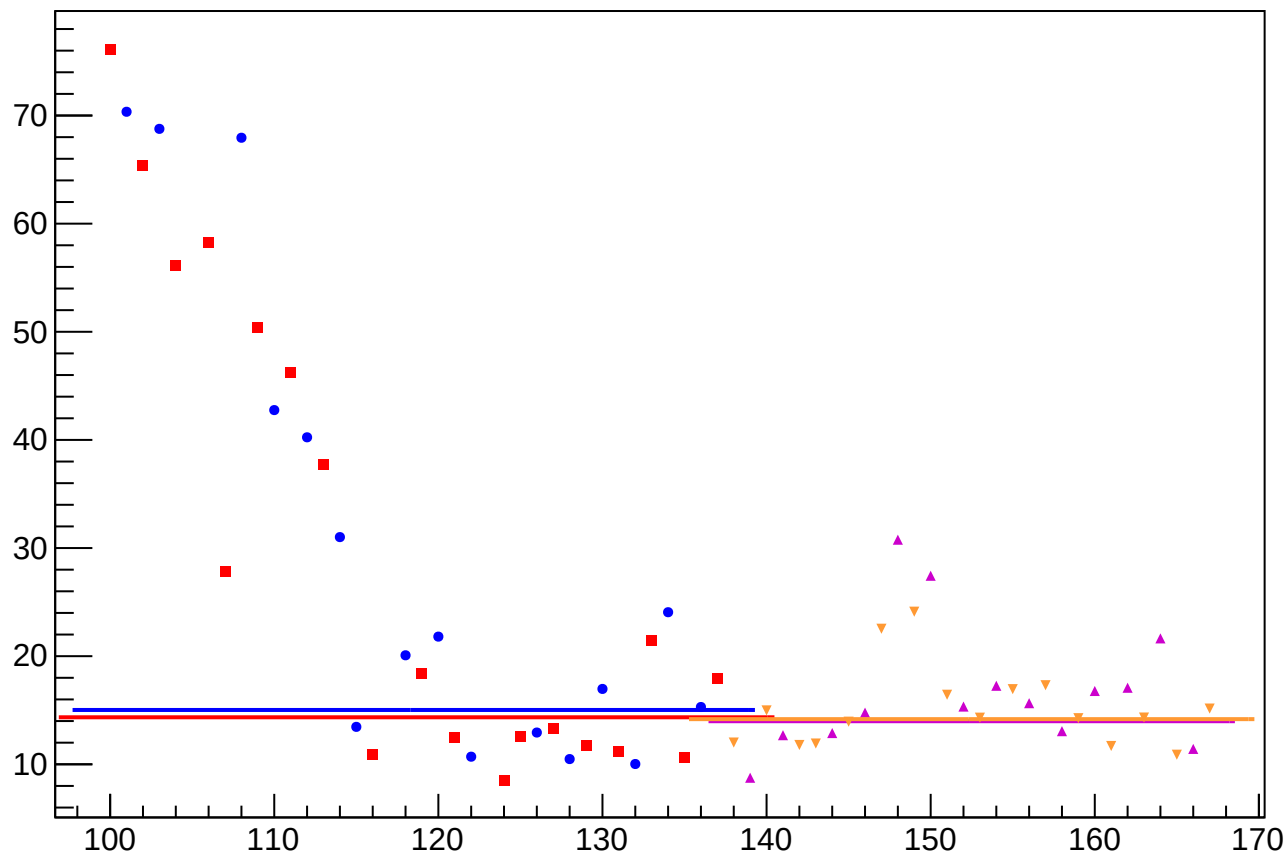
Left In: 0.002 ± 0.004 χ^2/NDF : 21.4/13

+ sign 0.001 ± 0.004 χ^2/NDF : 39.7/31

All: 0.003 ± 0.003 χ^2/NDF : 74.9/64

- sign 0.004 ± 0.004 χ^2/NDF : 34.8/32

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: 14.177 $\pm$ 0.003 χ^2/NDF : 923215.1/15

Right Out: 14.348 $\pm$ 0.005 χ^2/NDF : 3629014.9/18

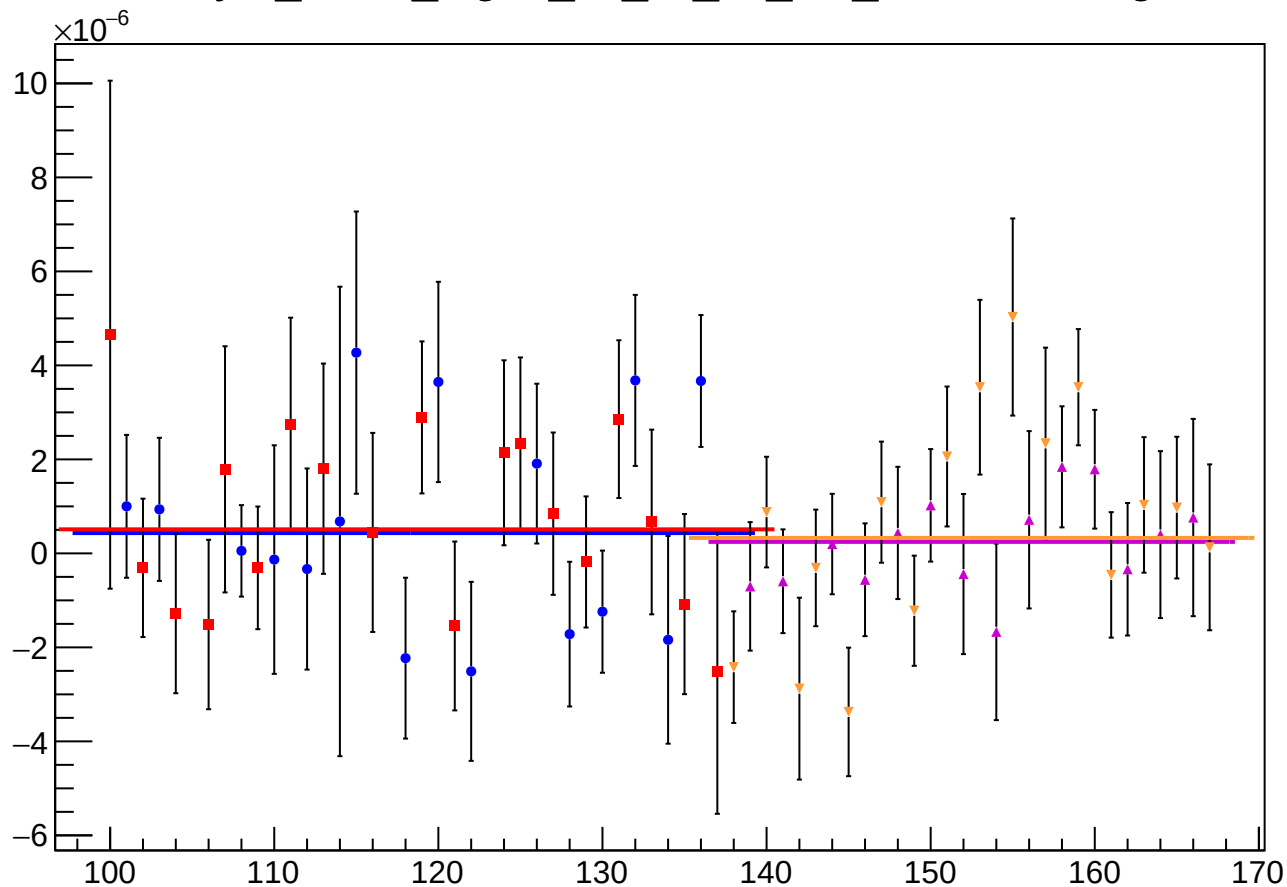
Left In: 13.985 $\pm$ 0.003 χ^2/NDF : 1874226.3/13

+ sign 14.414 $\pm$ 0.003 χ^2/NDF : 4384370.3/31

All: 14.263 $\pm$ 0.002 χ^2/NDF : 9899340.0/64

- sign 14.104 $\pm$ 0.003 χ^2/NDF : 5507583.0/32

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

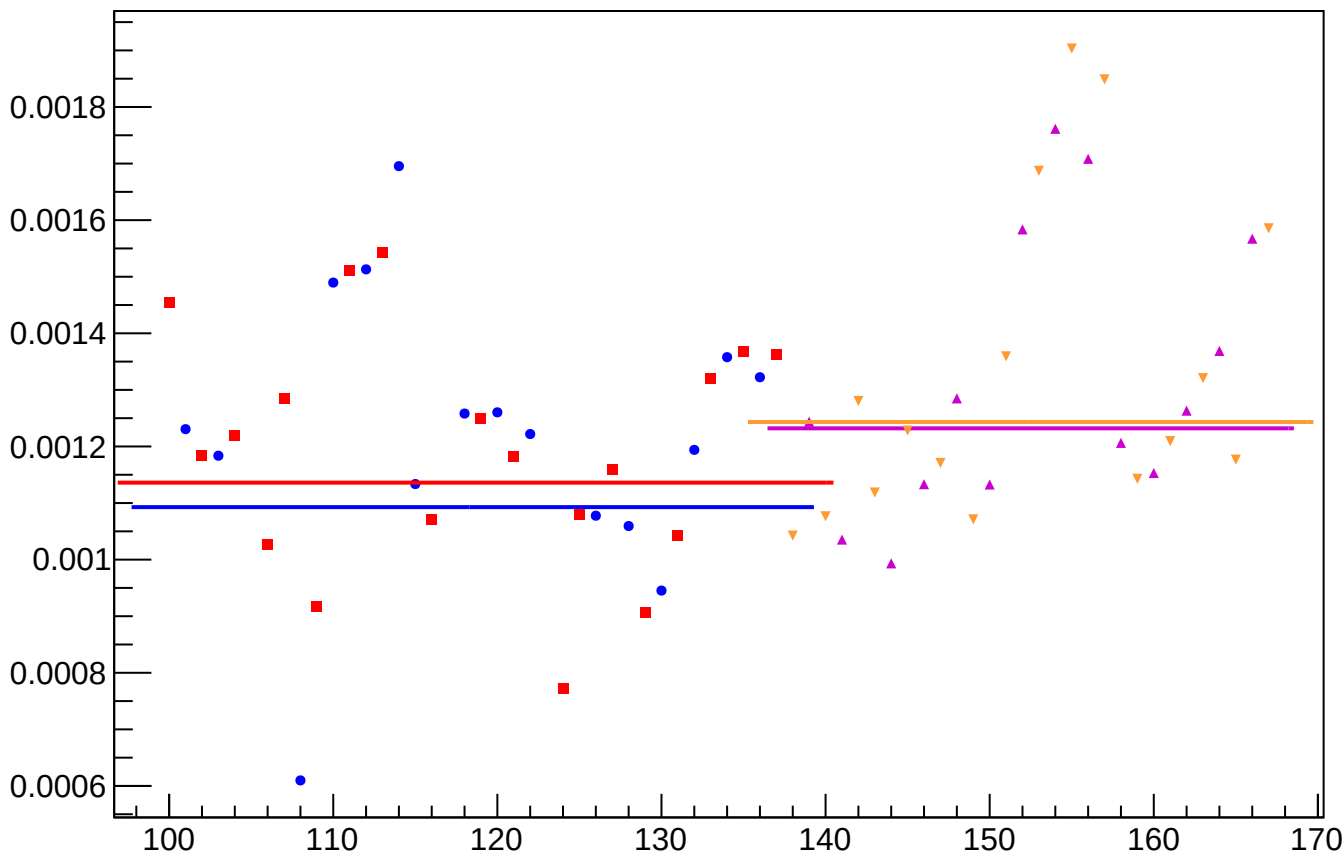
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:6.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.1/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/32

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 : 768638.4/15

Right Out: 0.001+/-0.000 χ^2/NDF : 407257.8/18

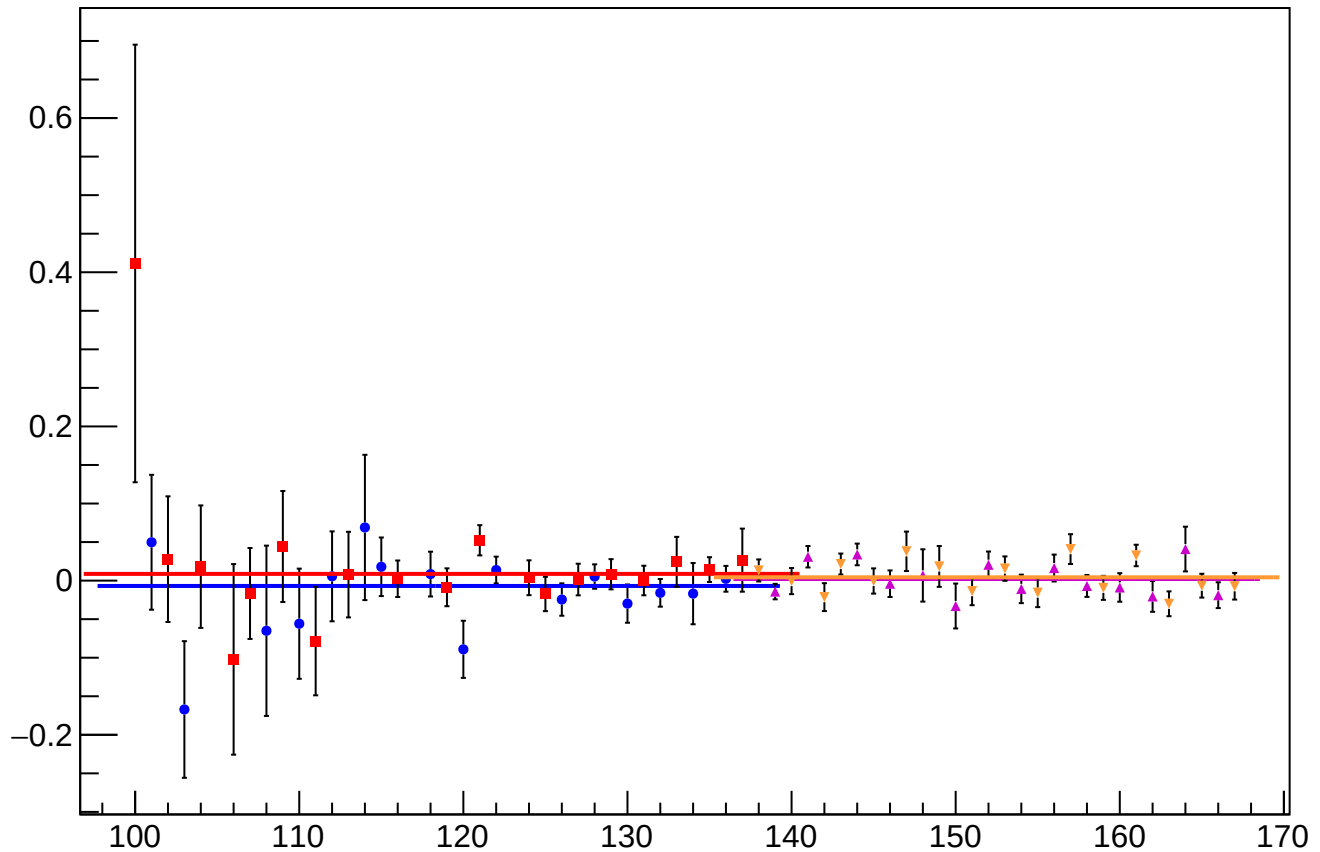
Left In: 0.001+/-0.000 χ^2/NDF : 637450.0/13

+ sign 0.001+/-0.000 χ^2/NDF : 1749621.8/31

All: 0.001+/-0.000 χ^2/NDF : 2854080.1/64

- sign 0.001+/-0.000 χ^2/NDF : 1103078.8/32

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: 0.004 ± 0.004 χ^2/NDF : 22.8/15

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

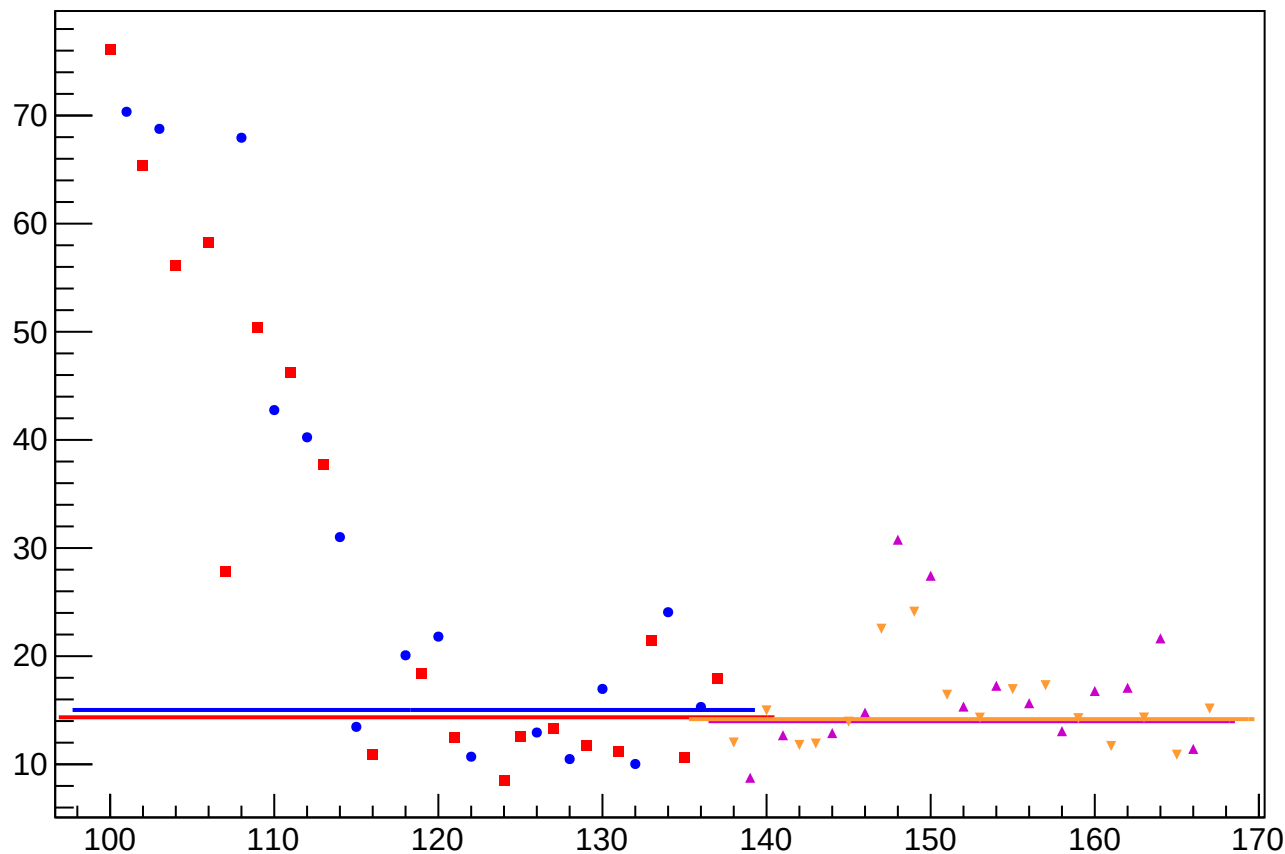
Left In: 0.002 ± 0.004 χ^2/NDF : 21.4/13

+ sign 0.001 ± 0.004 χ^2/NDF : 39.7/31

All: 0.003 ± 0.003 χ^2/NDF : 74.9/64

- sign 0.004 ± 0.004 χ^2/NDF : 34.8/32

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025 $\pm$ 0.005 χ^2 /NDF: 3438279.3/15

Left Out: 14.176 $\pm$ 0.003 χ^2 /NDF: 923275.4/15

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

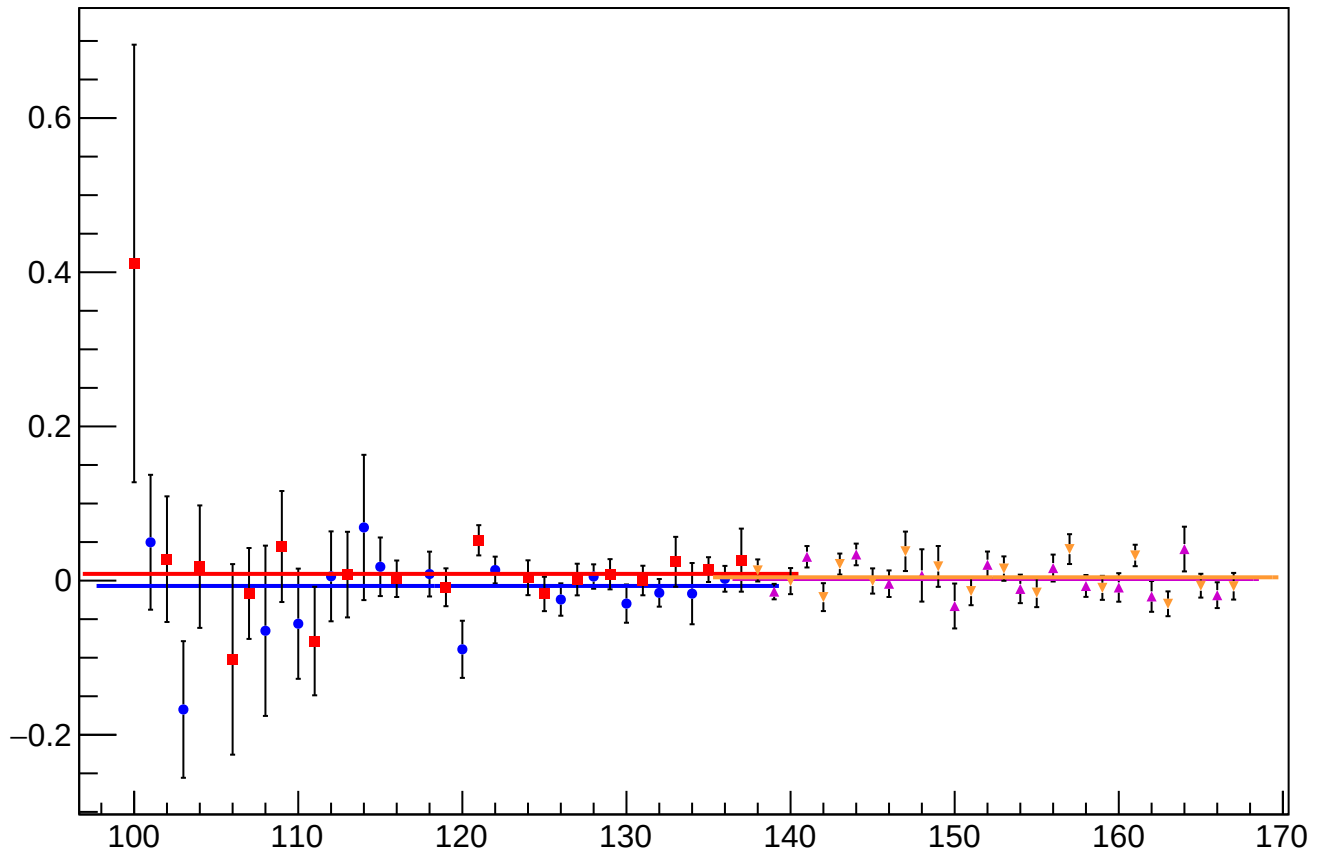
Left In: 13.985 $\pm$ 0.003 χ^2 /NDF: 1874295.8/13

+ sign 14.414 $\pm$ 0.003 χ^2 /NDF: 4384445.1/31

All: 14.263 $\pm$ 0.002 χ^2 /NDF: 9899472.4/64

- sign 14.104 $\pm$ 0.003 χ^2 /NDF: 5507642.3/32

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: 0.004 ± 0.004 χ^2/NDF : 22.8/15

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

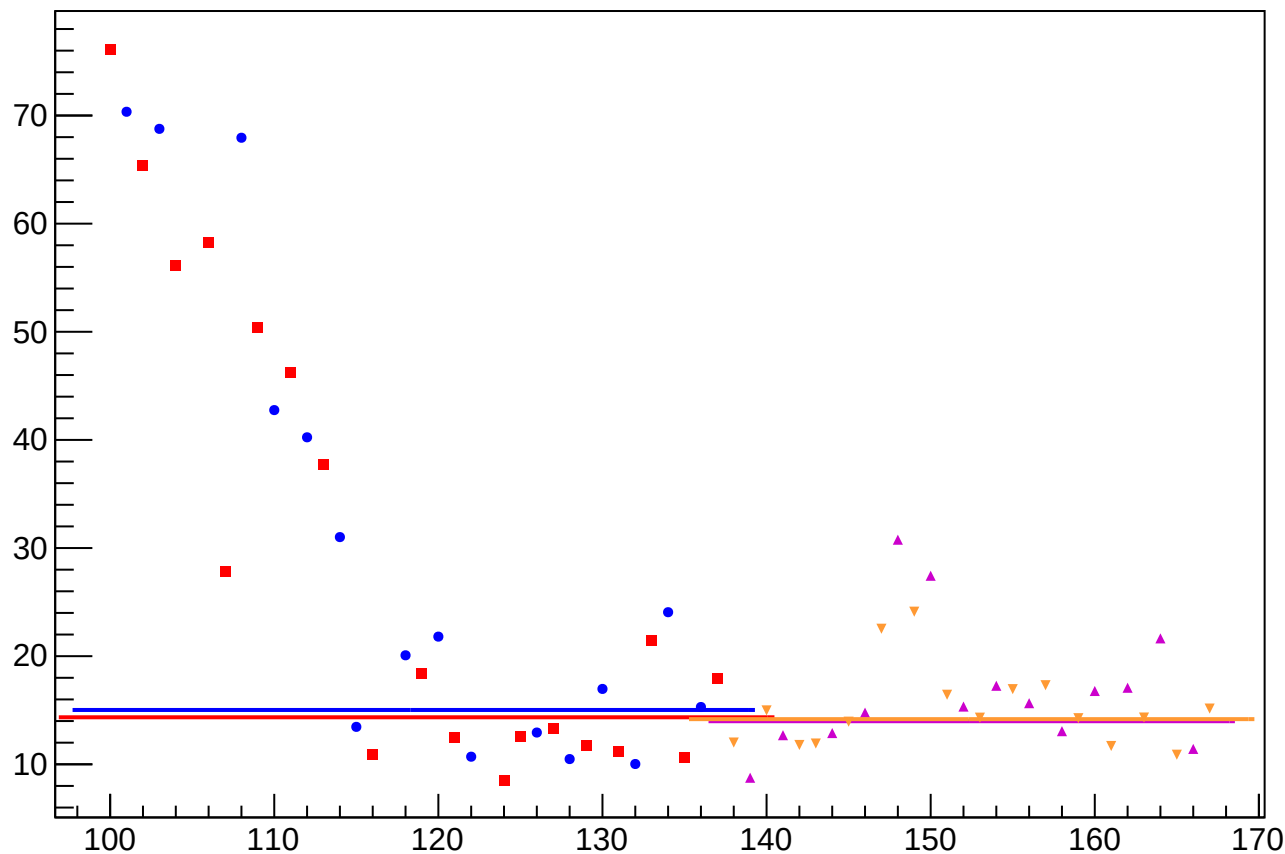
Left In: 0.002 ± 0.004 χ^2/NDF : 21.4/13

+ sign 0.001 ± 0.004 χ^2/NDF : 39.7/31

All: 0.003 ± 0.003 χ^2/NDF : 74.9/64

- sign 0.004 ± 0.004 χ^2/NDF : 34.8/32

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025 ± 0.005 χ^2/NDF : 3438279.3/15

Left Out: 14.176 ± 0.003 χ^2/NDF : 923275.4/15

Right Out: 14.348 ± 0.005 χ^2/NDF : 3629004.9/18

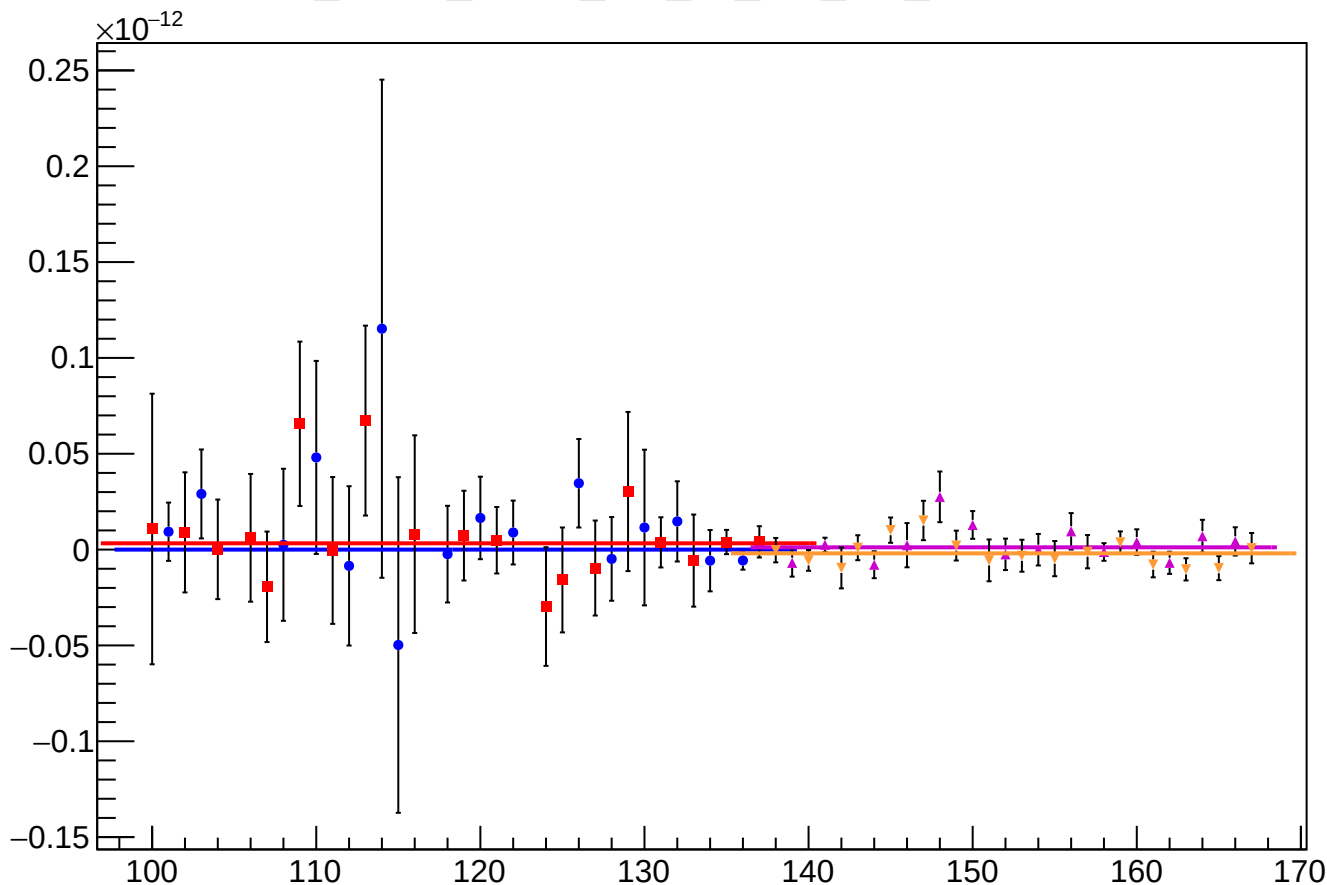
Left In: 13.985 ± 0.003 χ^2/NDF : 1874295.8/13

+ sign 14.414 ± 0.003 χ^2/NDF : 4384445.1/31

All: 14.263 ± 0.002 χ^2/NDF : 9899472.4/64

- sign 14.104 ± 0.003 χ^2/NDF : 5507642.3/32

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 9.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.4/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 7.0/18

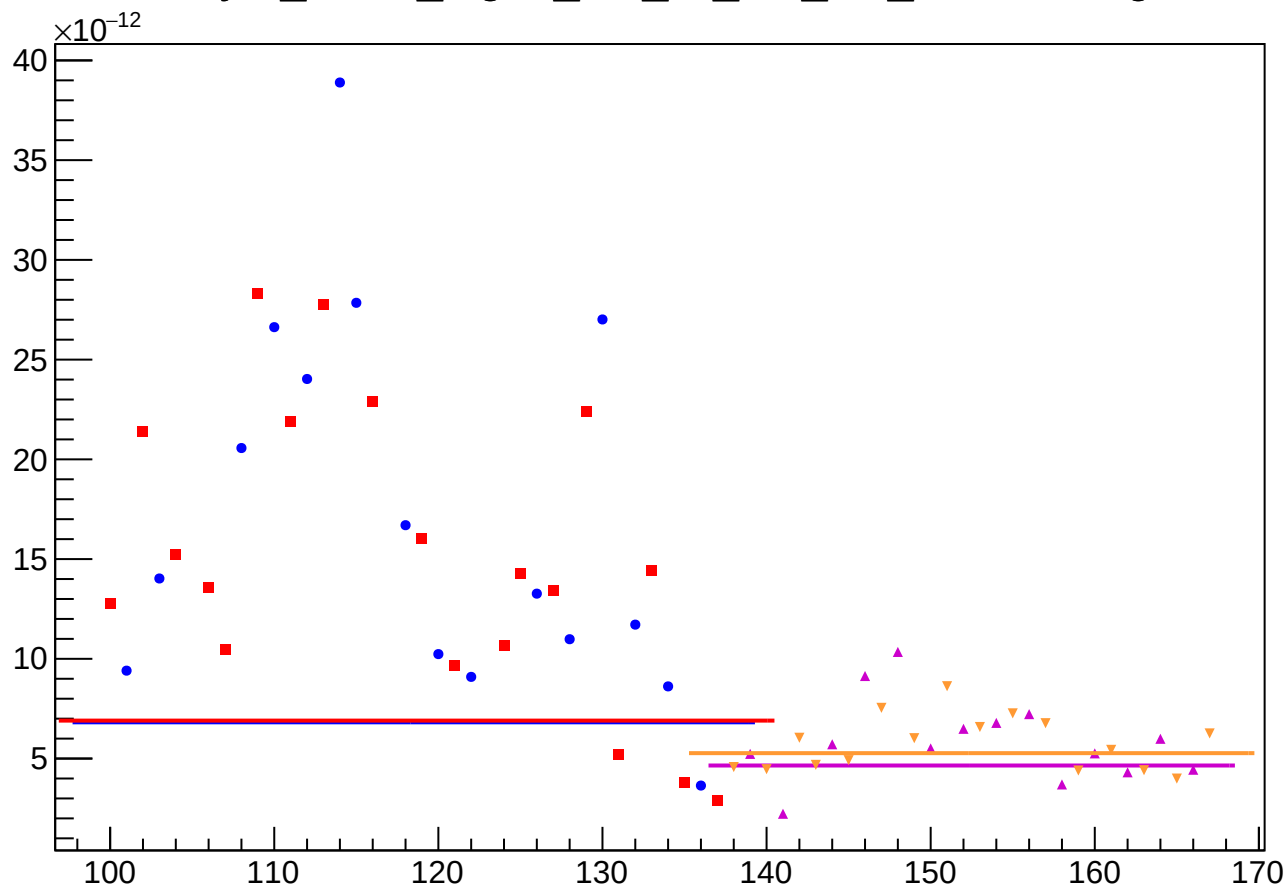
Left In: 0.000 ± 0.000 χ^2/NDF : 13.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 22.9/31

All: -0.000 ± 0.000 χ^2/NDF : 45.7/64

- sign 0.000 ± 0.000 χ^2/NDF : 20.9/32

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 : 814192.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4241227.1/18

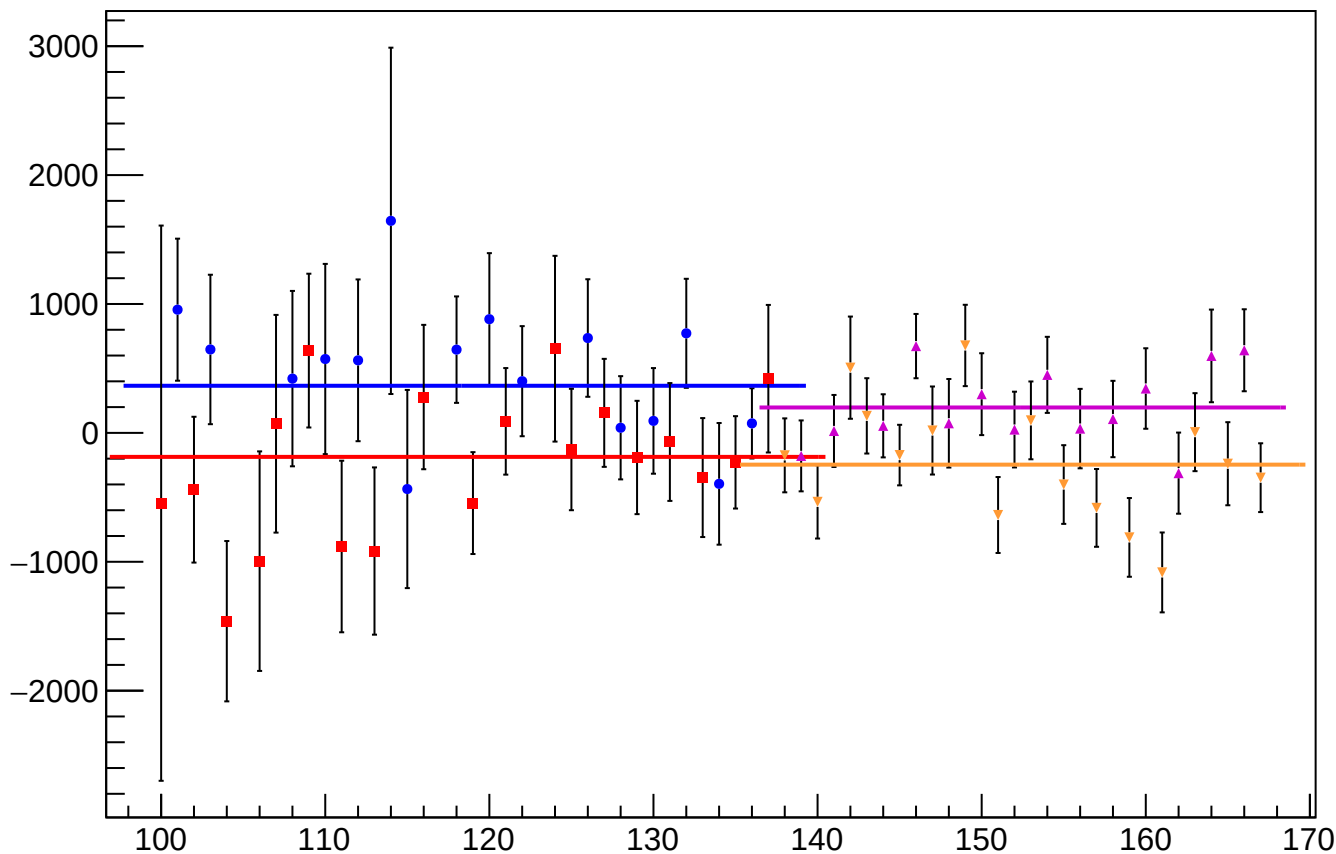
Left In: 0.000+/-0.000 χ^2/NDF : 2155716.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 4597740.5/31

All: 0.000+/-0.000 χ^2/NDF : 11639866.3/64

- sign 0.000+/-0.000 χ^2/NDF : 6937896.3/32

reg_asym_sam2_mean vs Slug



Right In: 365.540 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -246.352 ± 74.689 χ^2/NDF : 31.7/15

Right Out: -186.141 ± 120.188 χ^2/NDF : 15.0/18

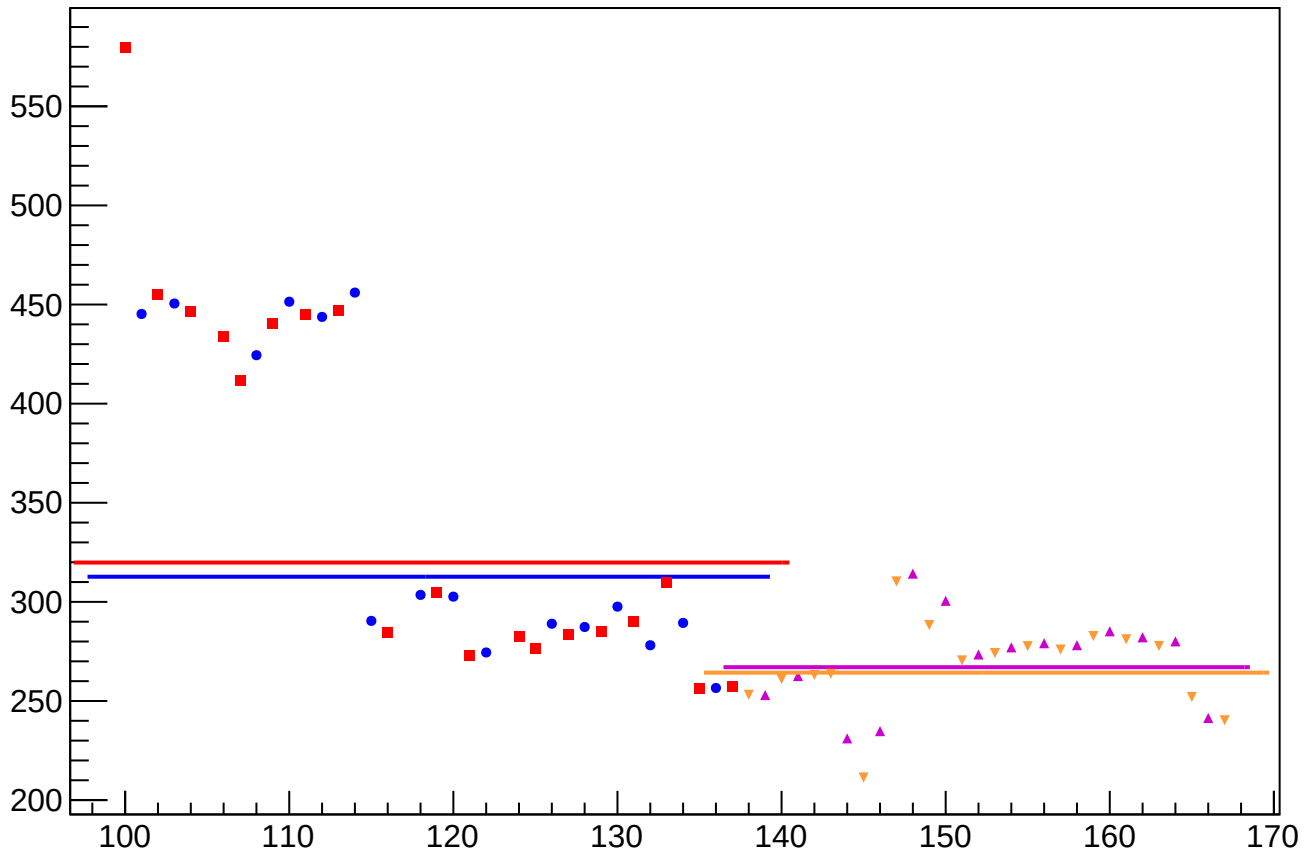
Left In: 197.090 ± 79.013 χ^2/NDF : 14.0/13

+ sign -73.163 ± 63.242 χ^2/NDF : 62.2/31

All: 0.814 ± 45.671 χ^2/NDF : 101.2/64

- sign 81.442 ± 66.024 χ^2/NDF : 36.1/32

reg_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602207.7/15

Left Out: 264.304 $\pm$ 0.053 χ^2 /NDF:198666.6/15

Right Out: 319.841 $\pm$ 0.085 χ^2 /NDF: 697878.1/18

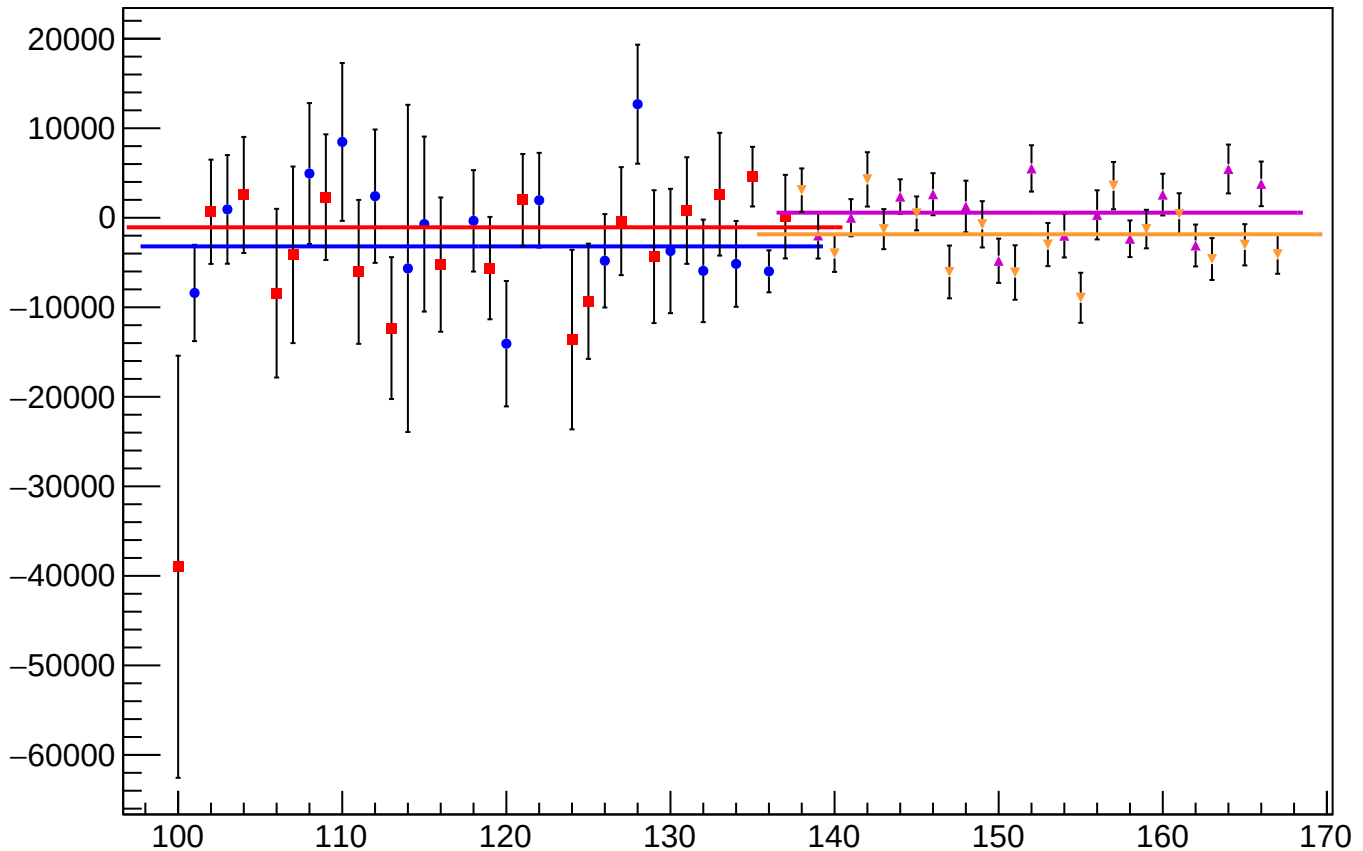
Left In: 267.053 $\pm$ 0.056 χ^2 /NDF:178348.6/13

+ sign 277.997 $\pm$ 0.045 χ^2 /NDF: 1038373.7/31

All: 280.383 $\pm$ 0.032 χ^2 /NDF: 2189929.9/64

- sign 282.983 $\pm$ 0.047 χ^2 /NDF: 1145608.5/32

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742 ± 1353.814 χ^2/NDF : 16.1/15

Left Out: -1846.236 ± 598.959 χ^2/NDF : 29.6/15

Right Out: -1065.939 ± 1443.326 χ^2/NDF : 14.4/18

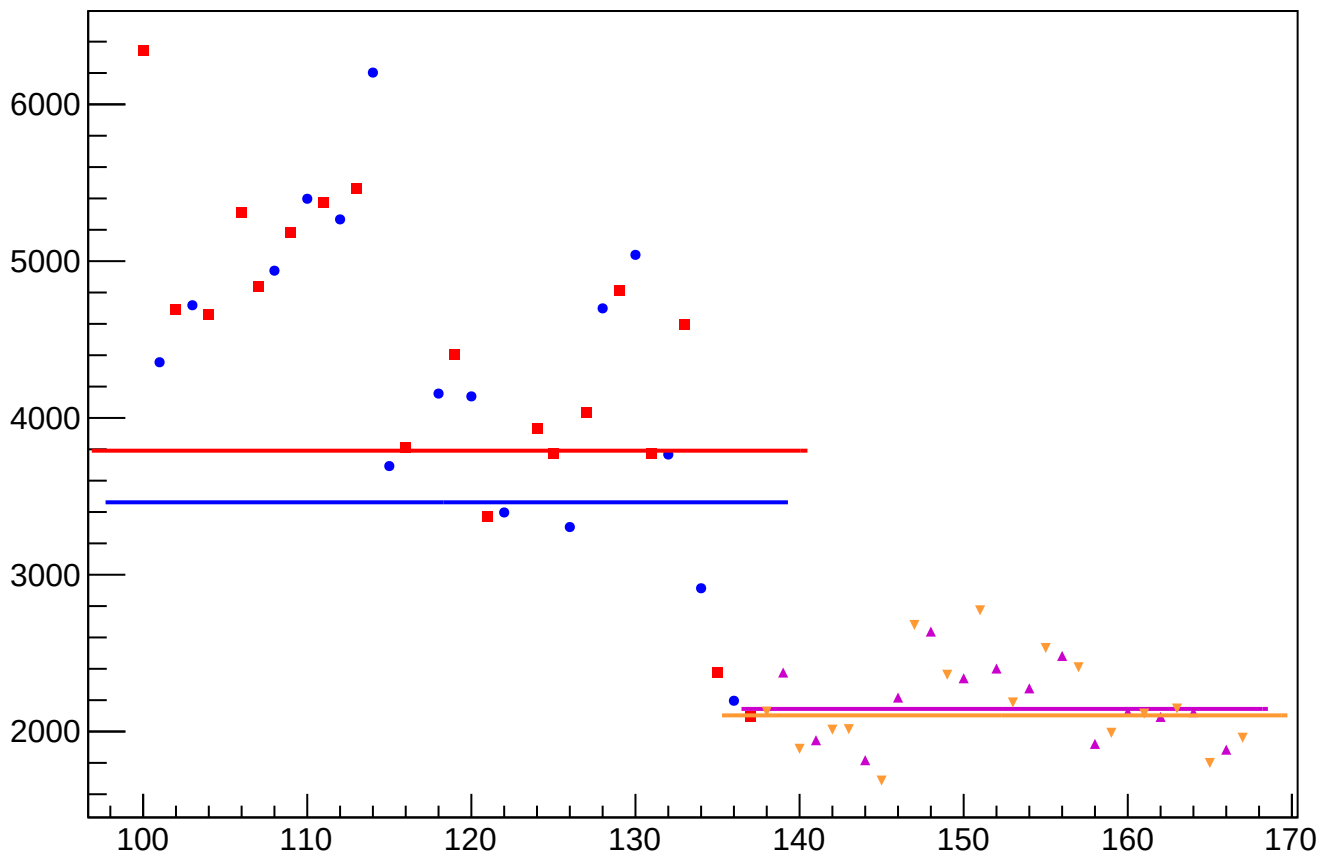
Left In: 567.951 ± 636.488 χ^2/NDF : 22.3/13

+ sign -2067.637 ± 547.746 χ^2/NDF : 46.6/31

All: -955.388 ± 398.995 χ^2/NDF : 93.1/64

- sign 301.940 ± 582.375 χ^2/NDF : 37.8/32

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927 $\pm$ 0.957 χ^2 /NDF: 1309580.1/15

Left Out: 2103.006 $\pm$ 0.424 χ^2 /NDF: 442401.0/15

Right Out: 3791.207 $\pm$ 1.021 χ^2 /NDF: 1155755.9/18

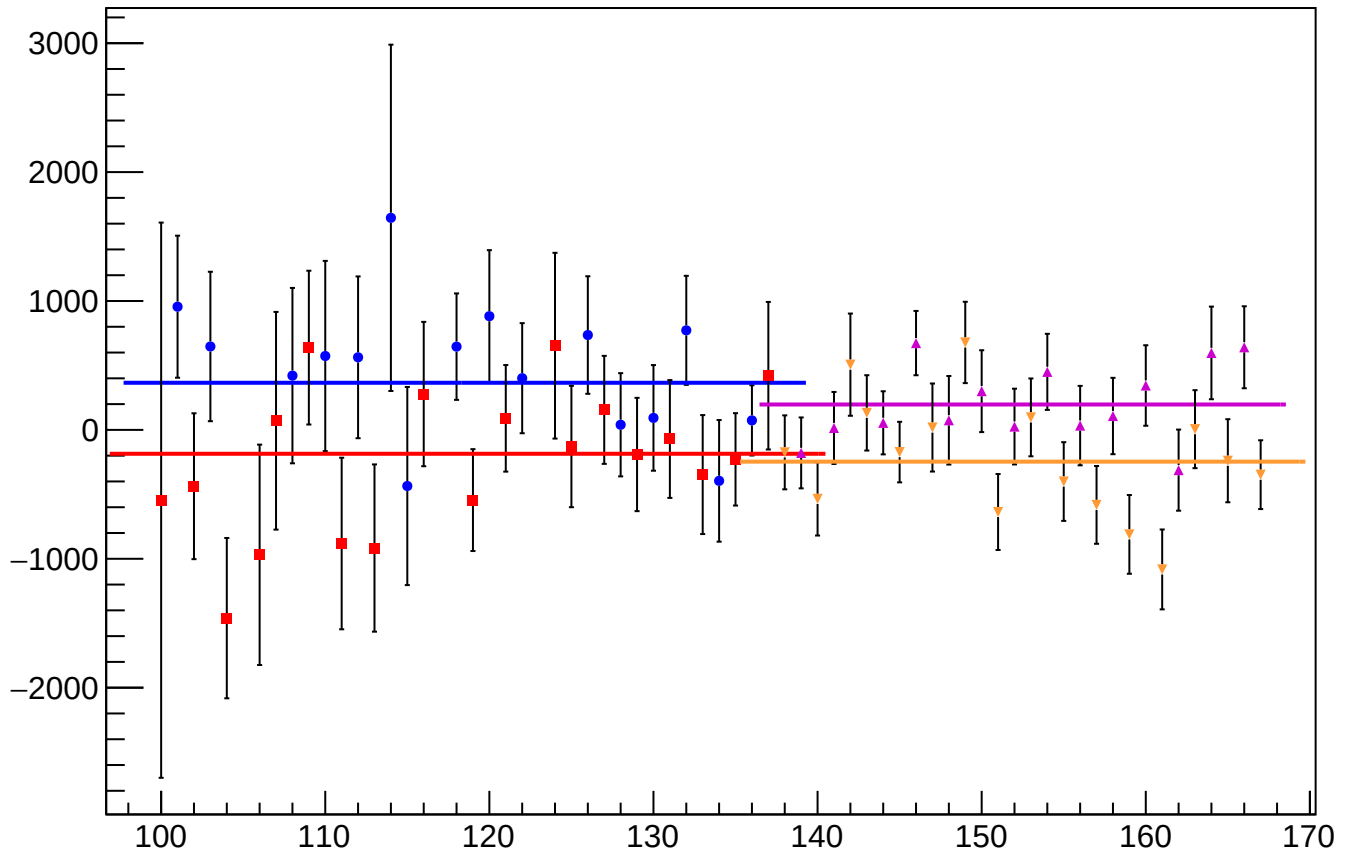
Left In: 2144.199 $\pm$ 0.450 χ^2 /NDF: 267709.7/13

+ sign 2325.457 $\pm$ 0.387 χ^2 /NDF: 3437232.1/31

All: 2366.241 $\pm$ 0.282 χ^2 /NDF: 7064628.3/64

- sign 2412.345 $\pm$ 0.412 χ^2 /NDF: 3603774.0/32

cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -246.345 ± 74.689 χ^2/NDF : 31.7/15

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

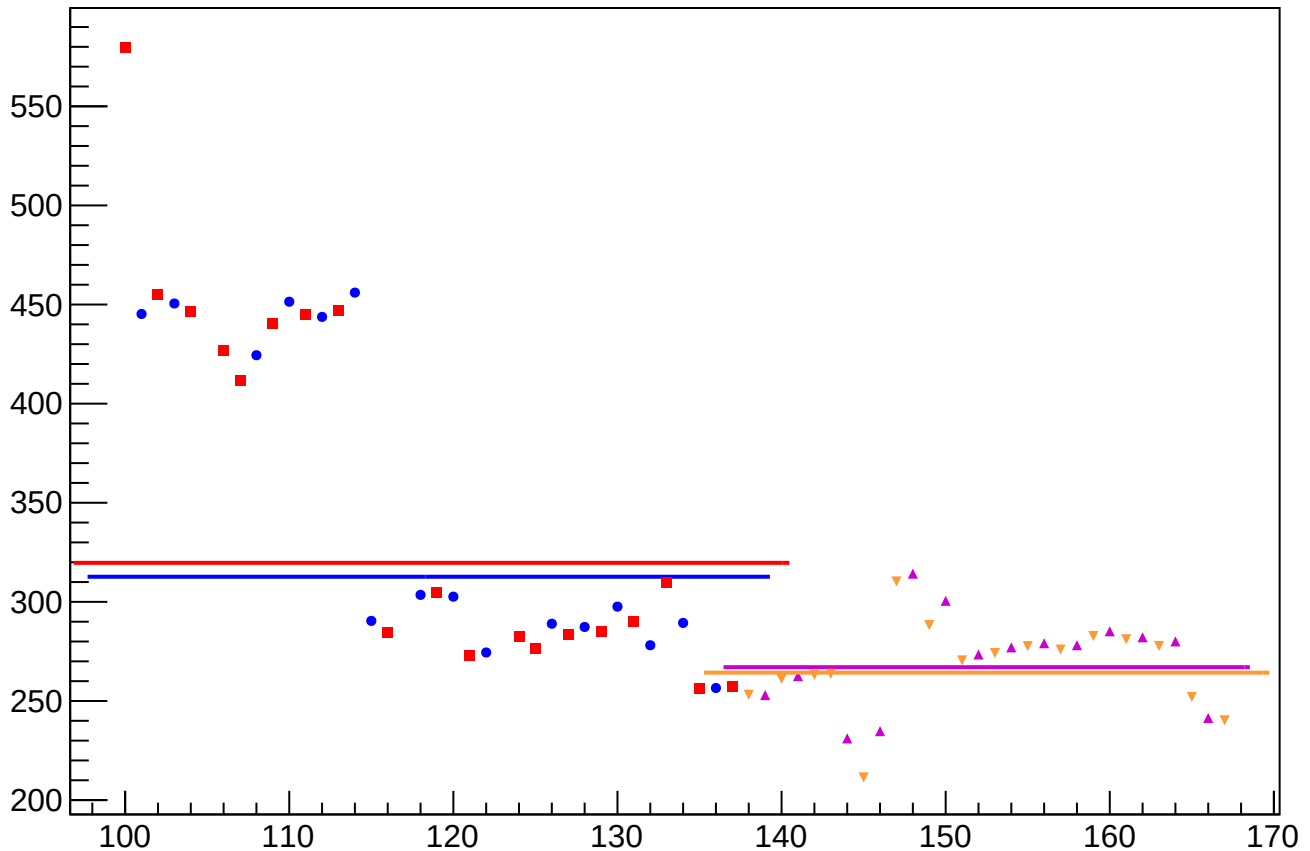
Left In: 197.089 ± 79.013 χ^2/NDF : 14.0/13

+ sign -73.163 ± 63.242 χ^2/NDF : 62.2/31

All: 0.936 ± 45.671 χ^2/NDF : 101.1/64

- sign 81.700 ± 66.026 χ^2/NDF : 36.0/32

cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 264.304 $\pm$ 0.053 χ^2 /NDF:198666.6/15

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

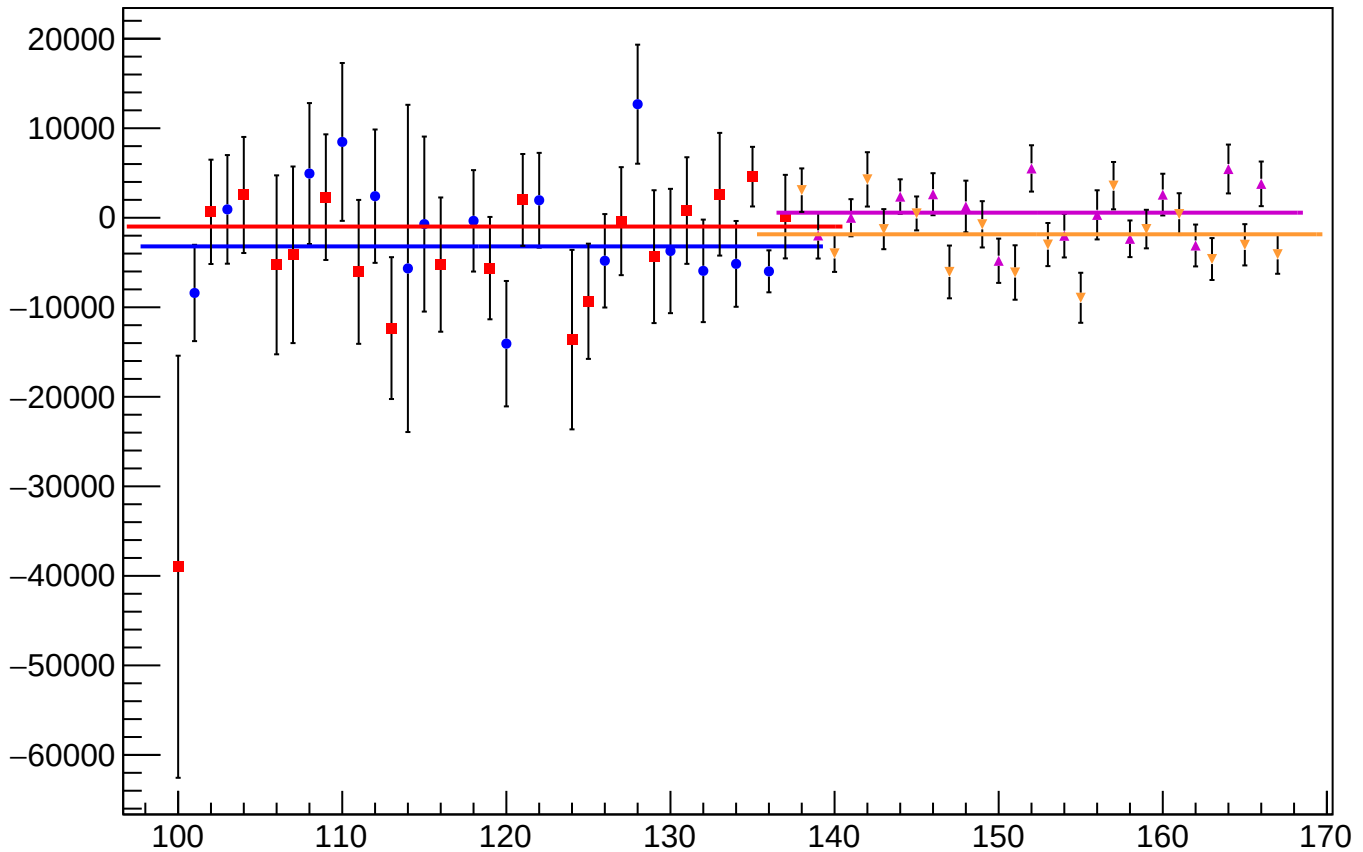
Left In: 267.053 $\pm$ 0.056 χ^2 /NDF:178348.6/13

+ sign 277.997 $\pm$ 0.045 χ^2 /NDF: 1038375.3/31

All: 280.360 $\pm$ 0.032 χ^2 /NDF: 2184111.9/64

- sign 282.936 $\pm$ 0.047 χ^2 /NDF: 1139900.1/32

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673 ± 1353.816 χ^2/NDF : 16.1/15

Left Out: -1846.227 ± 598.959 χ^2/NDF : 29.6/15

Right Out: -980.937 ± 1445.265 χ^2/NDF : 14.0/18

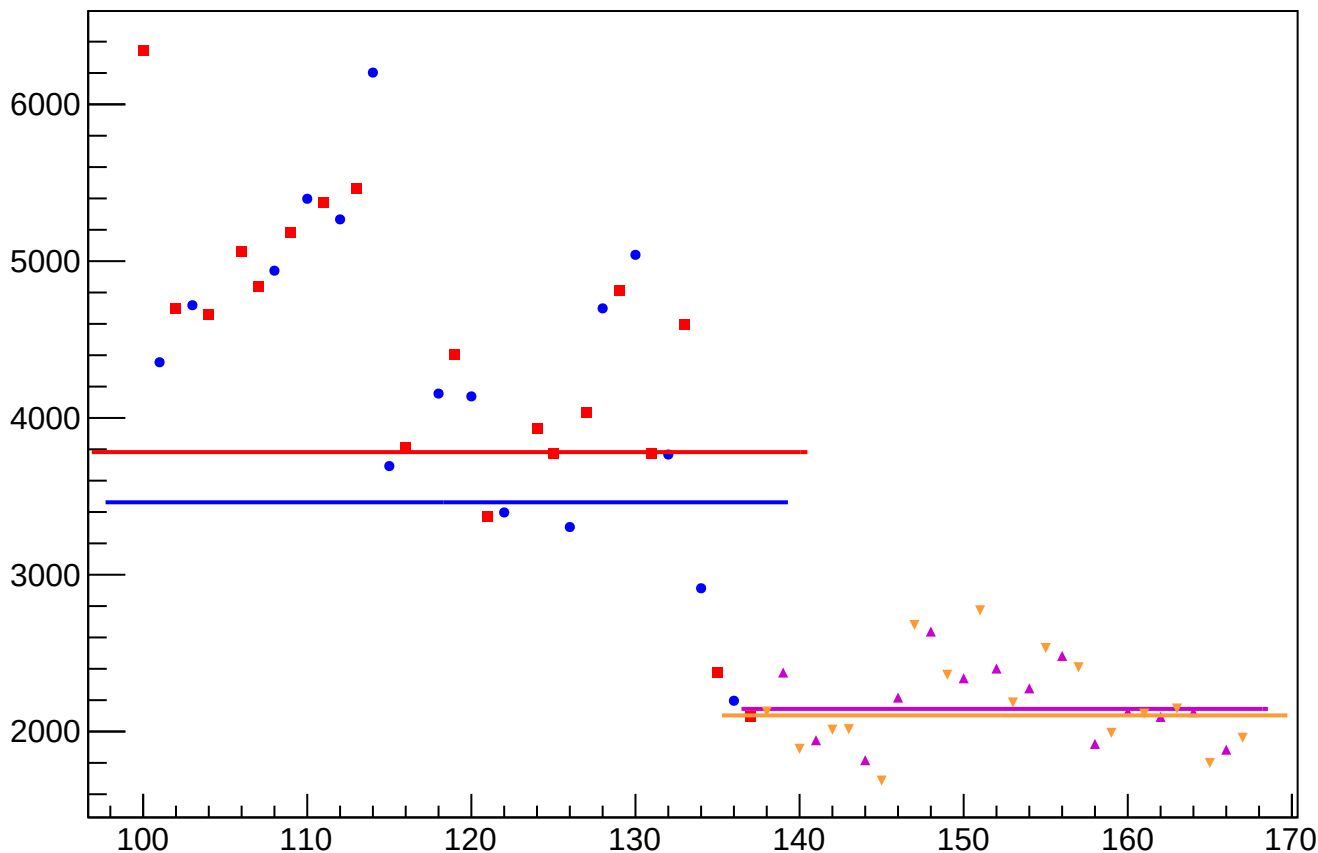
Left In: 567.939 ± 636.488 χ^2/NDF : 22.3/13

+ sign -2067.618 ± 547.746 χ^2/NDF : 46.6/31

All: -948.880 ± 399.036 χ^2/NDF : 92.7/64

- sign 316.336 ± 582.502 χ^2/NDF : 37.2/32

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932 $\pm$ 0.957 χ^2 /NDF: 1309596.2/15

Left Out: 2103.006 $\pm$ 0.424 χ^2 /NDF: 442401.5/15

Right Out: 3782.176 $\pm$ 1.022 χ^2 /NDF: 1136342.8/18

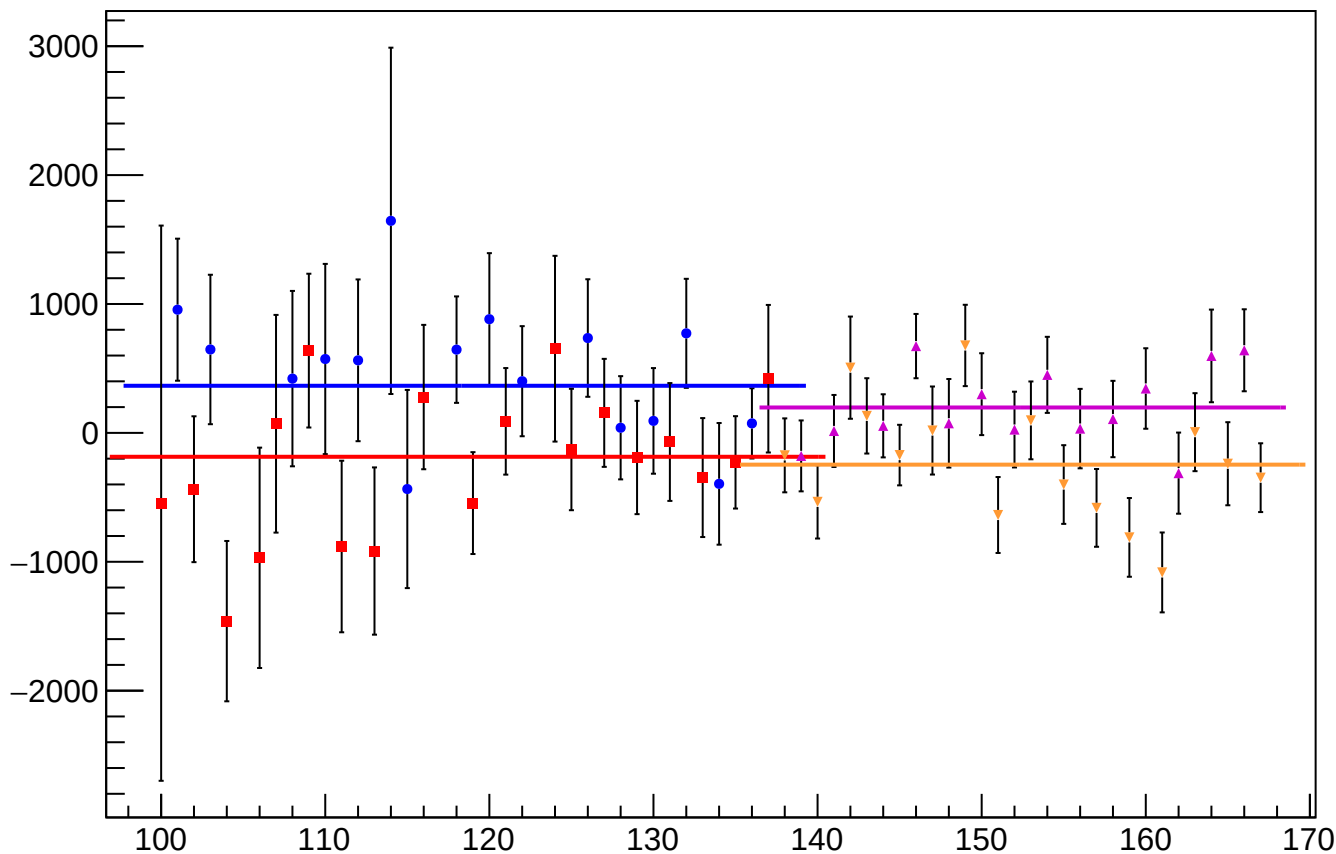
Left In: 2144.199 $\pm$ 0.450 χ^2 /NDF: 267710.2/13

+ sign 2325.457 $\pm$ 0.387 χ^2 /NDF: 3437253.0/31

All: 2365.261 $\pm$ 0.282 χ^2 /NDF: 7015430.4/64

- sign 2410.276 $\pm$ 0.412 χ^2 /NDF: 3555671.8/32

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -246.345 ± 74.689 χ^2/NDF : 31.7/15

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

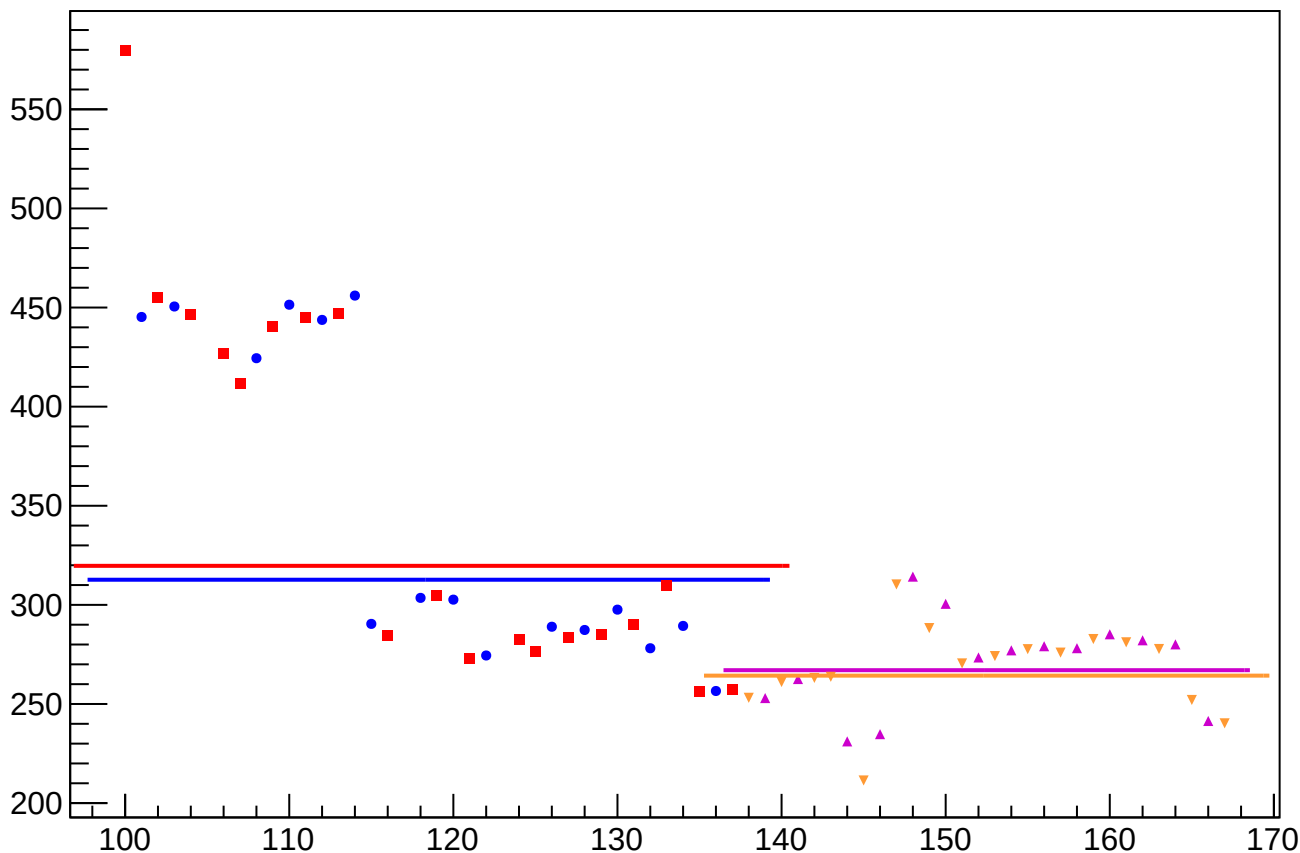
Left In: 197.089 ± 79.013 χ^2/NDF : 14.0/13

+ sign -73.163 ± 63.242 χ^2/NDF : 62.2/31

All: 0.936 ± 45.671 χ^2/NDF : 101.1/64

- sign 81.700 ± 66.026 χ^2/NDF : 36.0/32

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 264.304 $\pm$ 0.053 χ^2 /NDF:198666.6/15

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

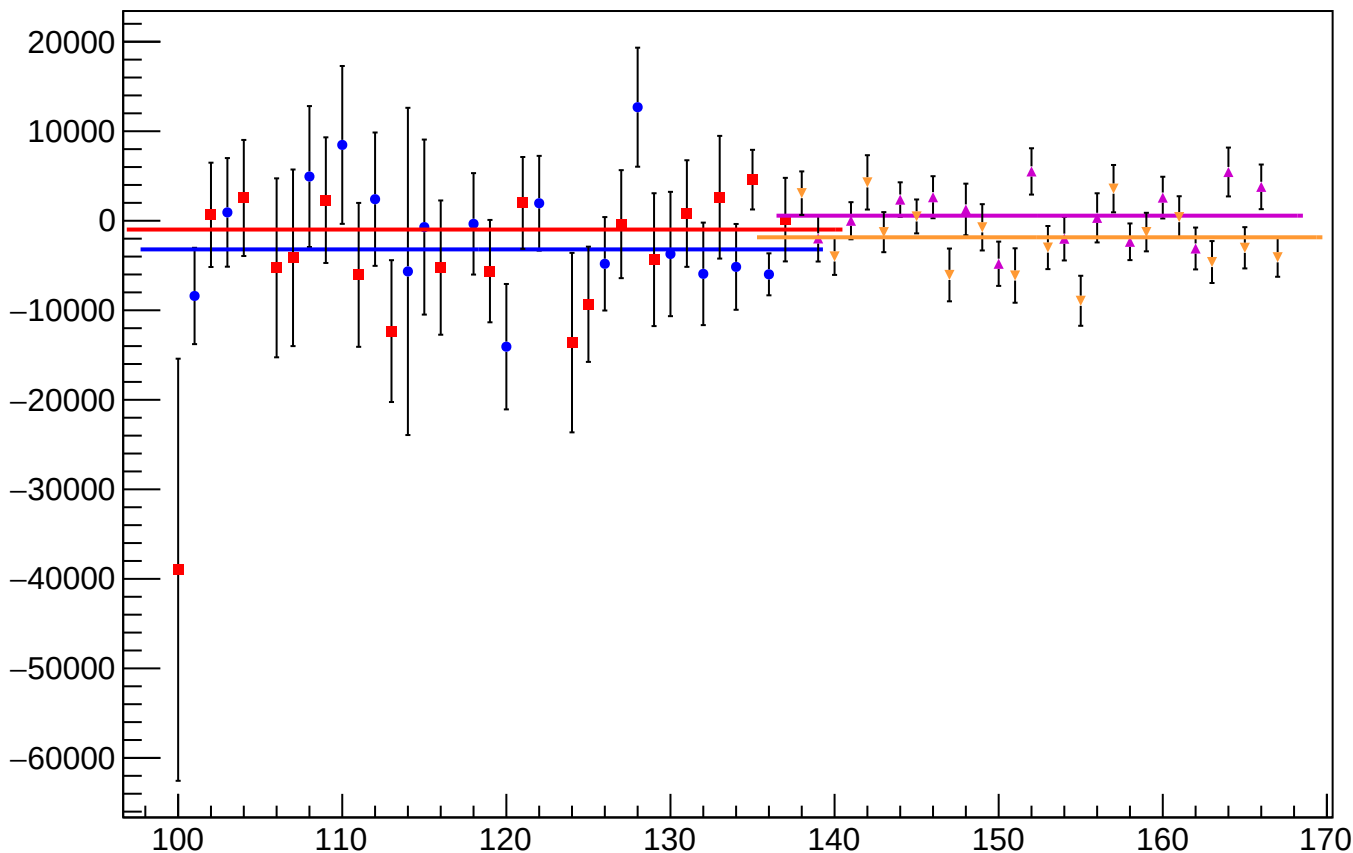
Left In: 267.053 $\pm$ 0.056 χ^2 /NDF:178348.6/13

+ sign 277.997 $\pm$ 0.045 χ^2 /NDF: 1038375.3/31

All: 280.360 $\pm$ 0.032 χ^2 /NDF: 2184111.9/64

- sign 282.936 $\pm$ 0.047 χ^2 /NDF: 1139900.1/32

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673 $\pm$ 1353.816 χ^2 /NDF: 16.1/15

Left Out: -1846.227 $\pm$ 598.959 χ^2 /NDF: 29.6/15

Right Out: -980.937 $\pm$ 1445.265 χ^2 /NDF: 14.0/18

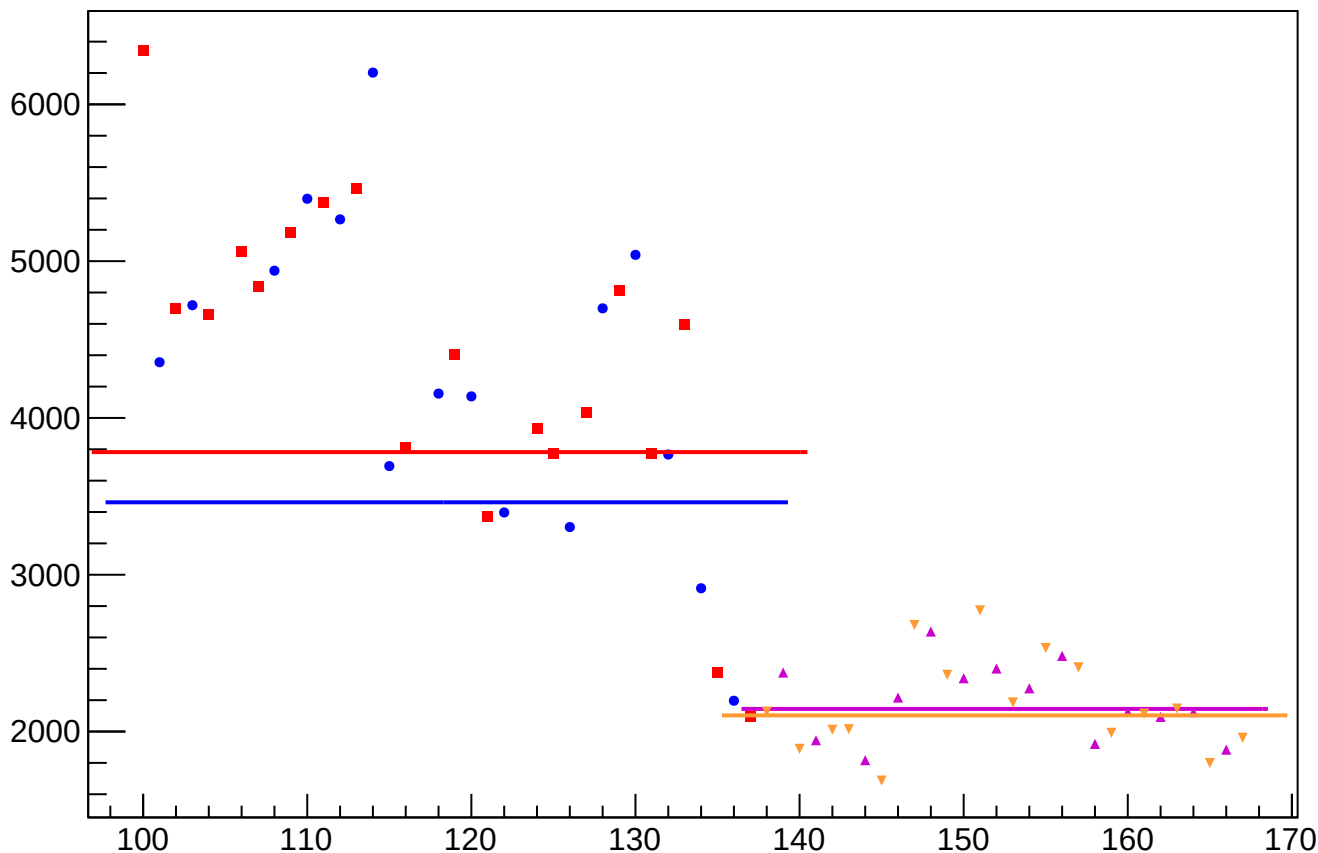
Left In: 567.939 $\pm$ 636.488 χ^2 /NDF: 22.3/13

+ sign -2067.618 $\pm$ 547.746 χ^2 /NDF: 46.6/31

All: -948.880 $\pm$ 399.036 χ^2 /NDF: 92.7/64

- sign 316.336 $\pm$ 582.502 χ^2 /NDF: 37.2/32

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932 $\pm$ 0.957 χ^2/NDF : 1309596.2/15

Left Out: 2103.006 $\pm$ 0.424 χ^2/NDF : 442401.5/15

Right Out: 3782.176 $\pm$ 1.022 χ^2/NDF : 1136342.8/18

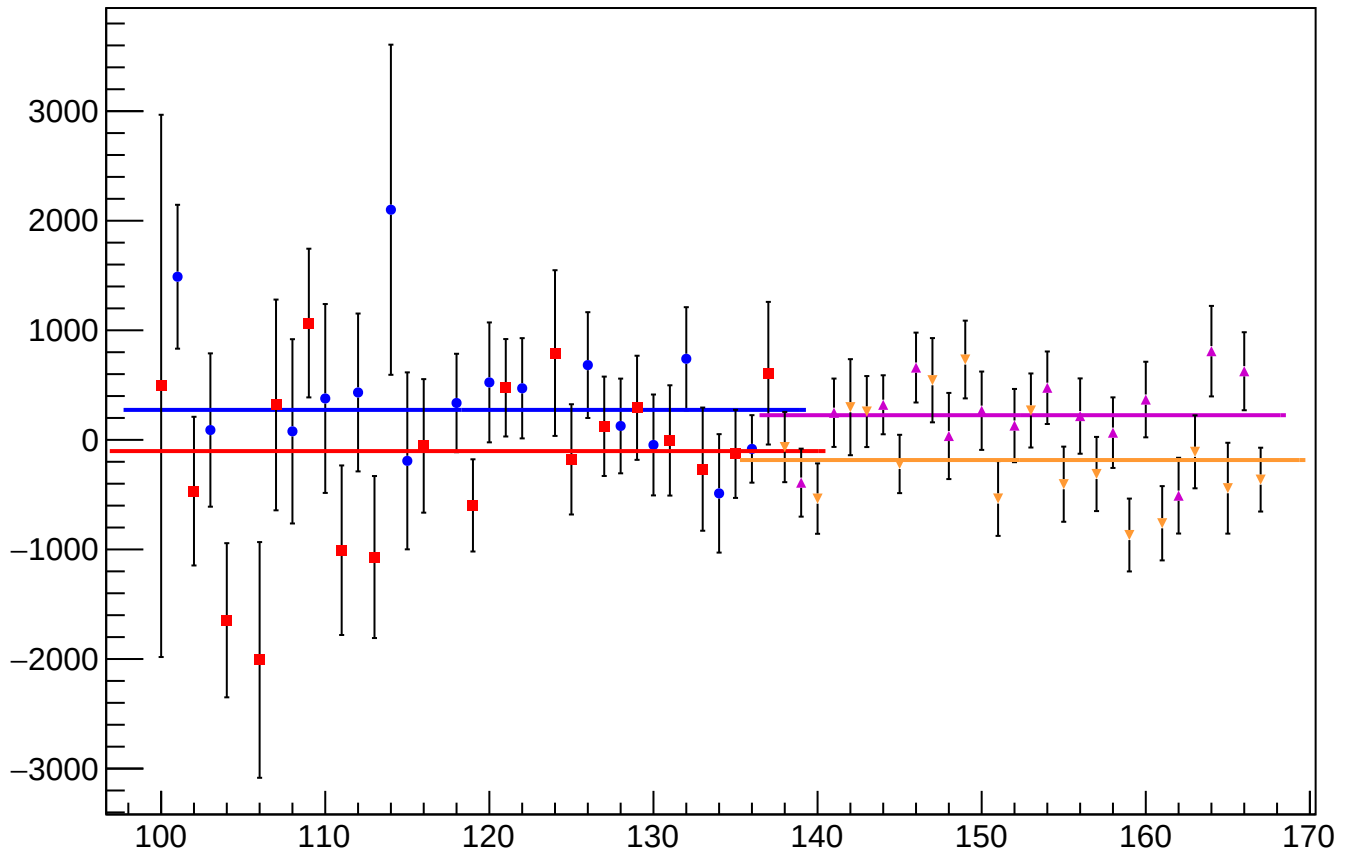
Left In: 2144.199 $\pm$ 0.450 χ^2/NDF : 267710.2/13

+ sign 2325.457 $\pm$ 0.387 χ^2/NDF : 3437253.0/31

All: 2365.261 $\pm$ 0.282 χ^2/NDF : 7015430.4/64

- sign 2410.276 $\pm$ 0.412 χ^2/NDF : 3555671.8/32

dit_asym_sam2_mean vs Slug



Right In: 273.578 ± 132.537 χ^2/NDF : 11.4/15

Left Out: -184.065 ± 83.939 χ^2/NDF : 26.1/15

Right Out: -102.369 ± 133.606 χ^2/NDF : 21.3/18

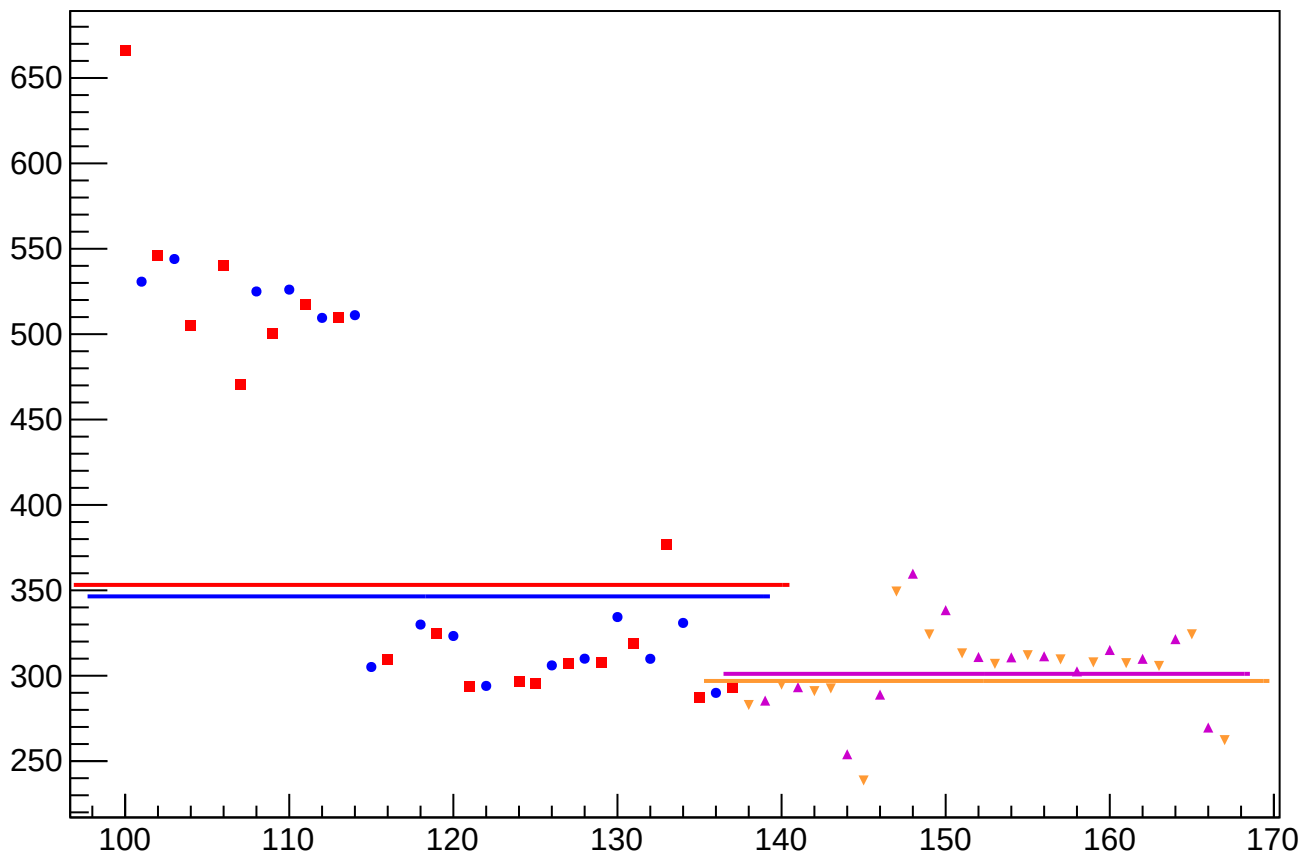
Left In: 225.189 ± 89.337 χ^2/NDF : 15.0/13

+ sign -53.053 ± 70.914 χ^2/NDF : 46.0/31

All: 31.382 ± 51.287 χ^2/NDF : 89.5/64

- sign 123.985 ± 74.264 χ^2/NDF : 40.5/32

dit_asym_sam2_rms vs Slug



Right In: 346.455 $\pm$ 0.094 χ^2 /NDF: 768763.1/15

Left Out: 296.936 $\pm$ 0.059 χ^2 /NDF:204730.4/15

Right Out: 353.178 $\pm$ 0.094 χ^2 /NDF: 866364.3/18

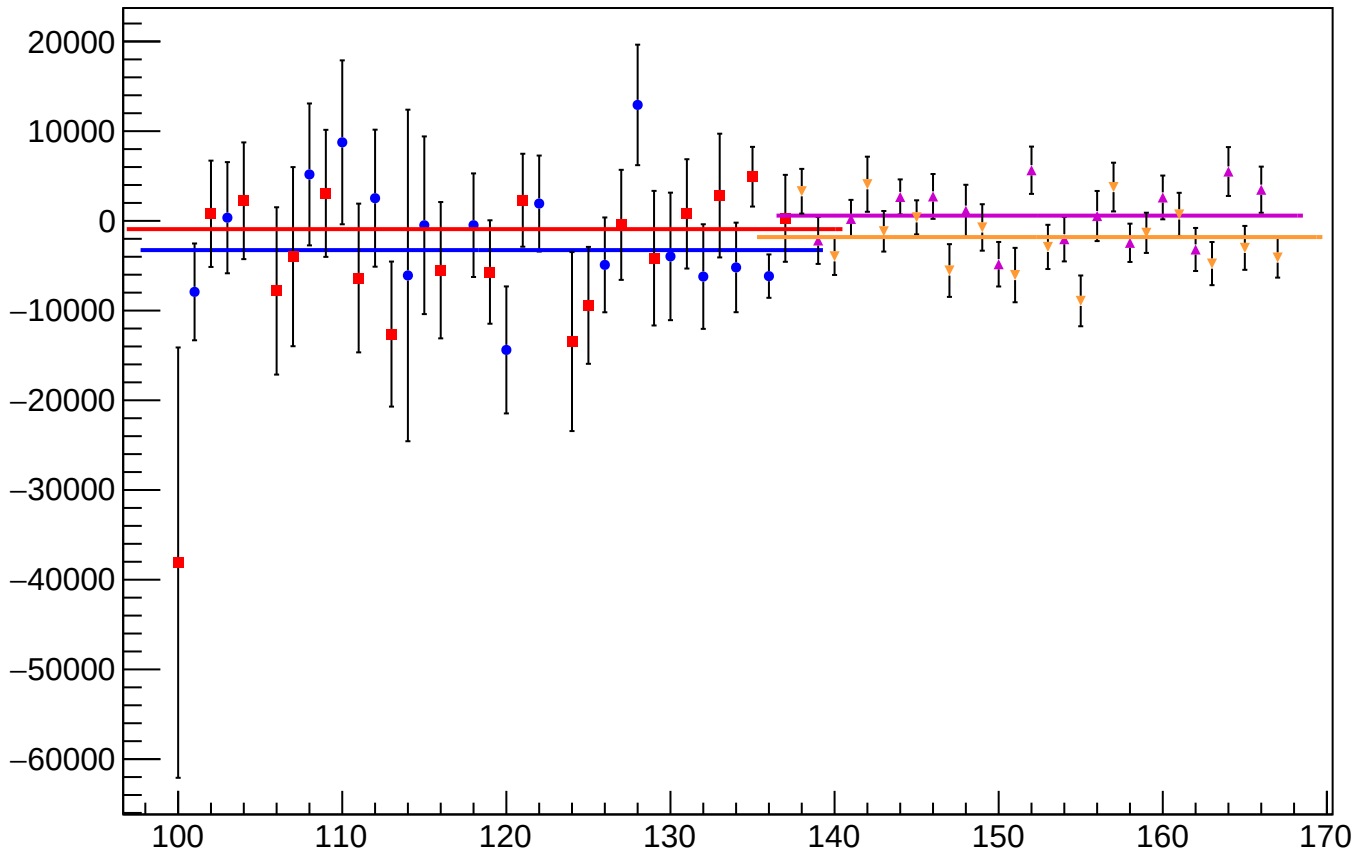
Left In: 301.104 $\pm$ 0.063 χ^2 /NDF:166962.9/13

+ sign 311.112 $\pm$ 0.050 χ^2 /NDF: 1172755.6/31

All: 314.012 $\pm$ 0.036 χ^2 /NDF: 2423045.7/64

- sign 317.193 $\pm$ 0.053 χ^2 /NDF: 1243276.4/32

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837 ± 1384.139 χ^2/NDF : 16.0/15

Left Out: -1806.783 ± 610.893 χ^2/NDF : 28.7/15

Right Out: -921.196 ± 1460.727 χ^2/NDF : 14.6/18

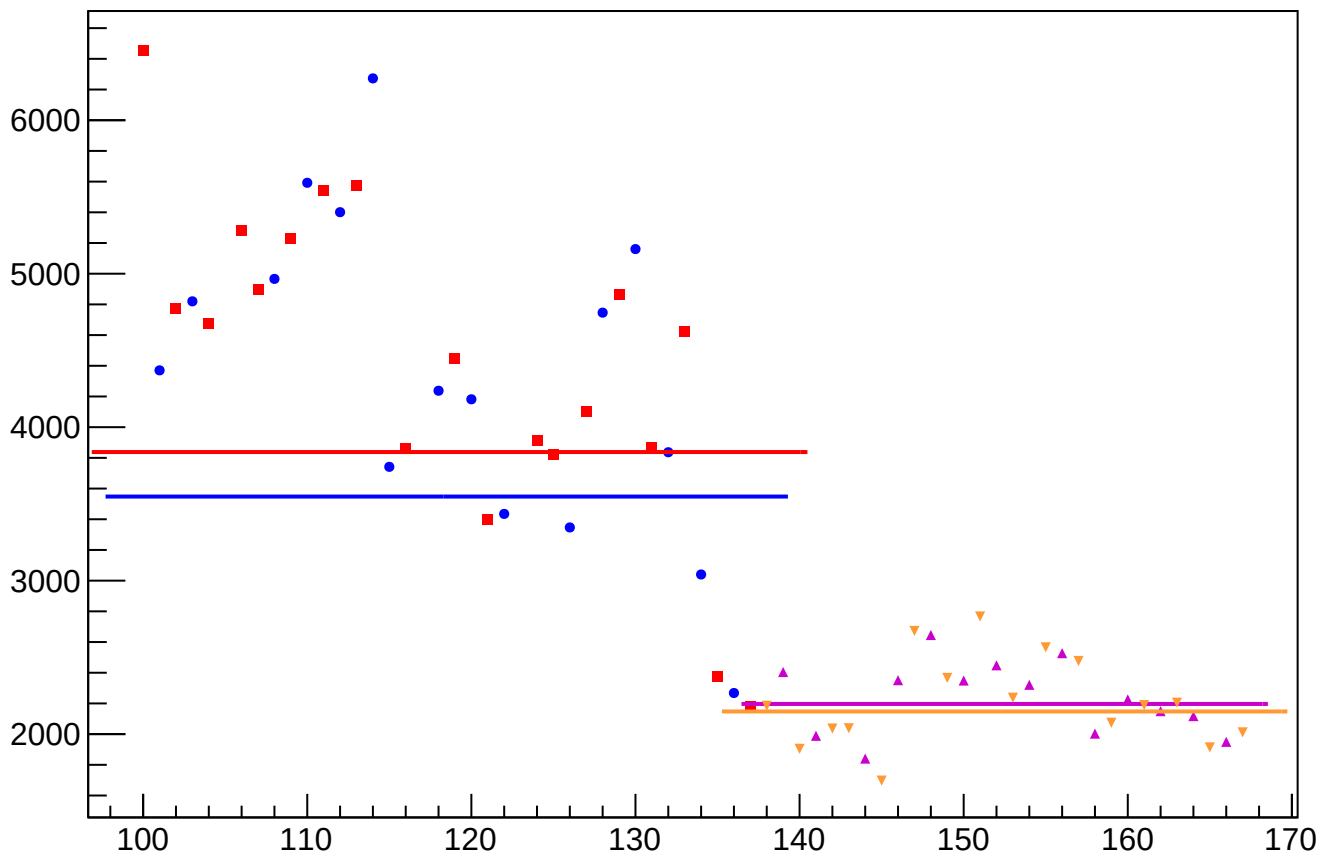
Left In: 585.455 ± 651.734 χ^2/NDF : 22.3/13

+ sign -2043.517 ± 558.880 χ^2/NDF : 45.7/31

All: -928.848 ± 407.417 χ^2/NDF : 92.0/64

- sign 335.322 ± 595.180 χ^2/NDF : 37.8/32

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969 ± 0.979 $\chi^2/\text{NDF}: 1258486.8/15$

Left Out: 2147.610 ± 0.432 $\chi^2/\text{NDF}: 414078.5/15$

Right Out: 3837.970 ± 1.033 $\chi^2/\text{NDF}: 1155831.8/18$

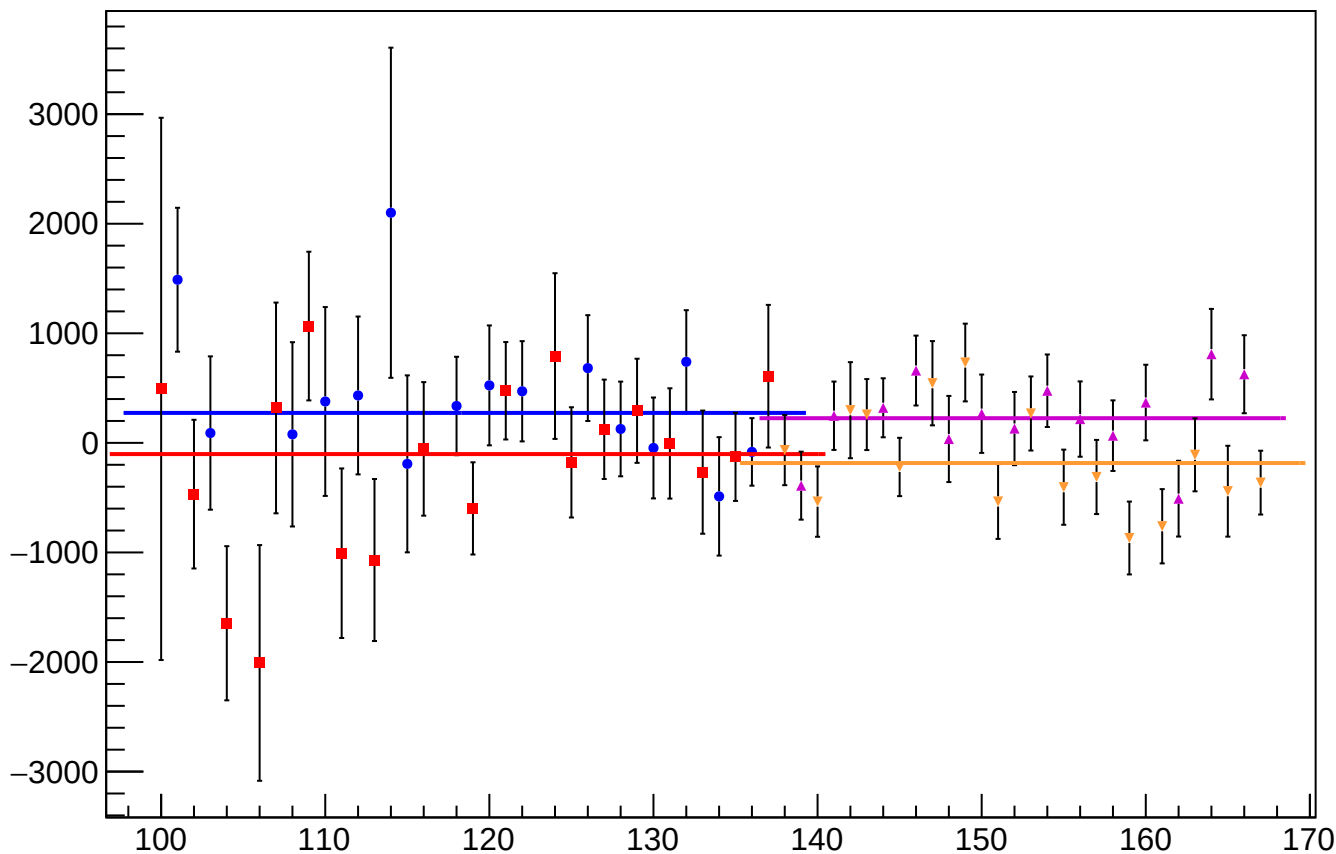
Left In: 2196.562 ± 0.461 $\chi^2/\text{NDF}: 250598.3/13$

+ sign 2375.916 ± 0.395 $\chi^2/\text{NDF}: 3385959.6/31$

All: 2419.564 ± 0.288 $\chi^2/\text{NDF}: 6924533.0/64$

- sign 2469.067 ± 0.421 $\chi^2/\text{NDF}: 3512538.7/32$

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582 ± 132.536 χ^2/NDF : 11.4/15

Left Out: -184.067 ± 83.939 χ^2/NDF : 26.1/15

Right Out: -102.368 ± 133.606 χ^2/NDF : 21.3/18

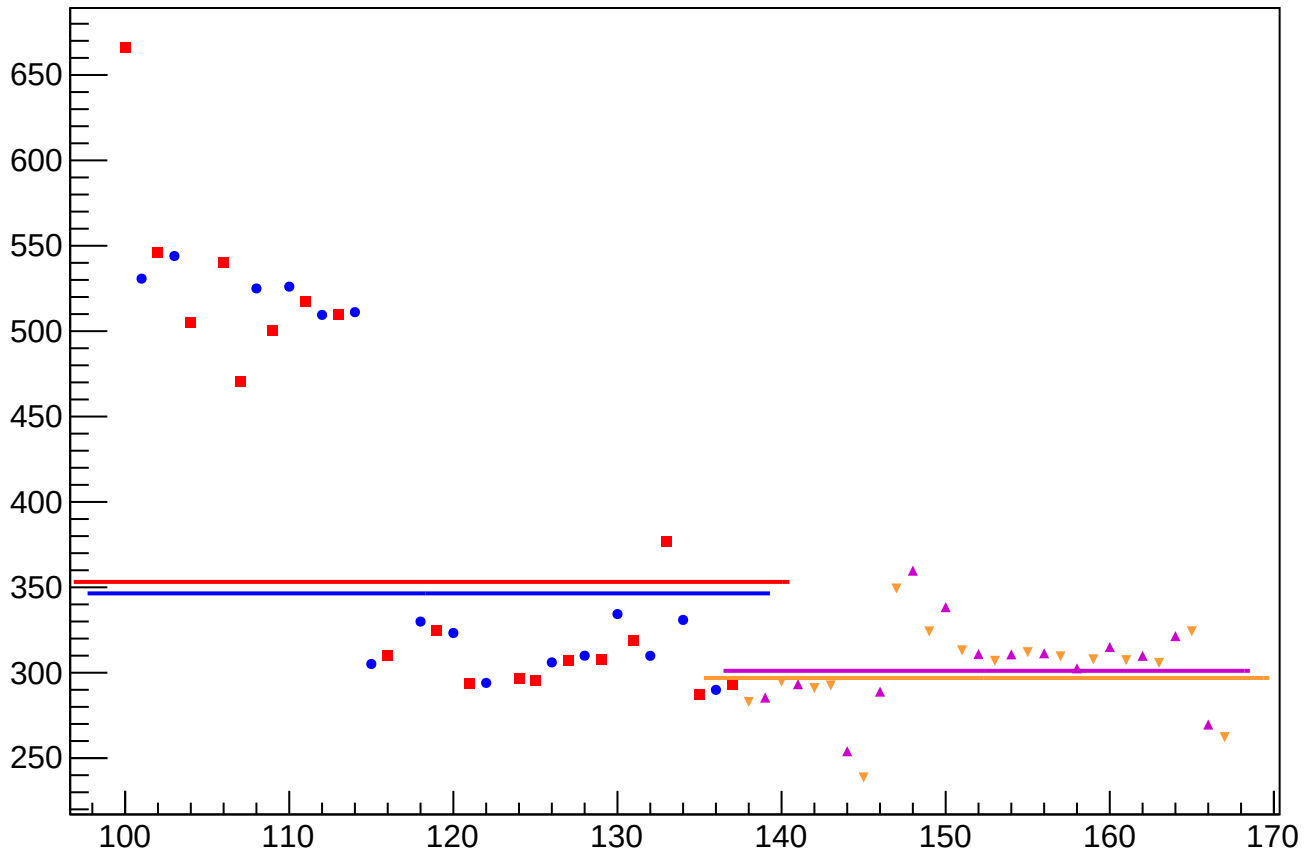
Left In: 225.194 ± 89.337 χ^2/NDF : 15.0/13

+ sign -53.052 ± 70.914 χ^2/NDF : 46.0/31

All: 31.384 ± 51.287 χ^2/NDF : 89.5/64

- sign 123.989 ± 74.264 χ^2/NDF : 40.5/32

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF : 768754.7/15

Left Out: 296.936+/-0.059 χ^2/NDF :204735.6/15

Right Out: 353.176+/-0.094 χ^2/NDF : 866353.6/18

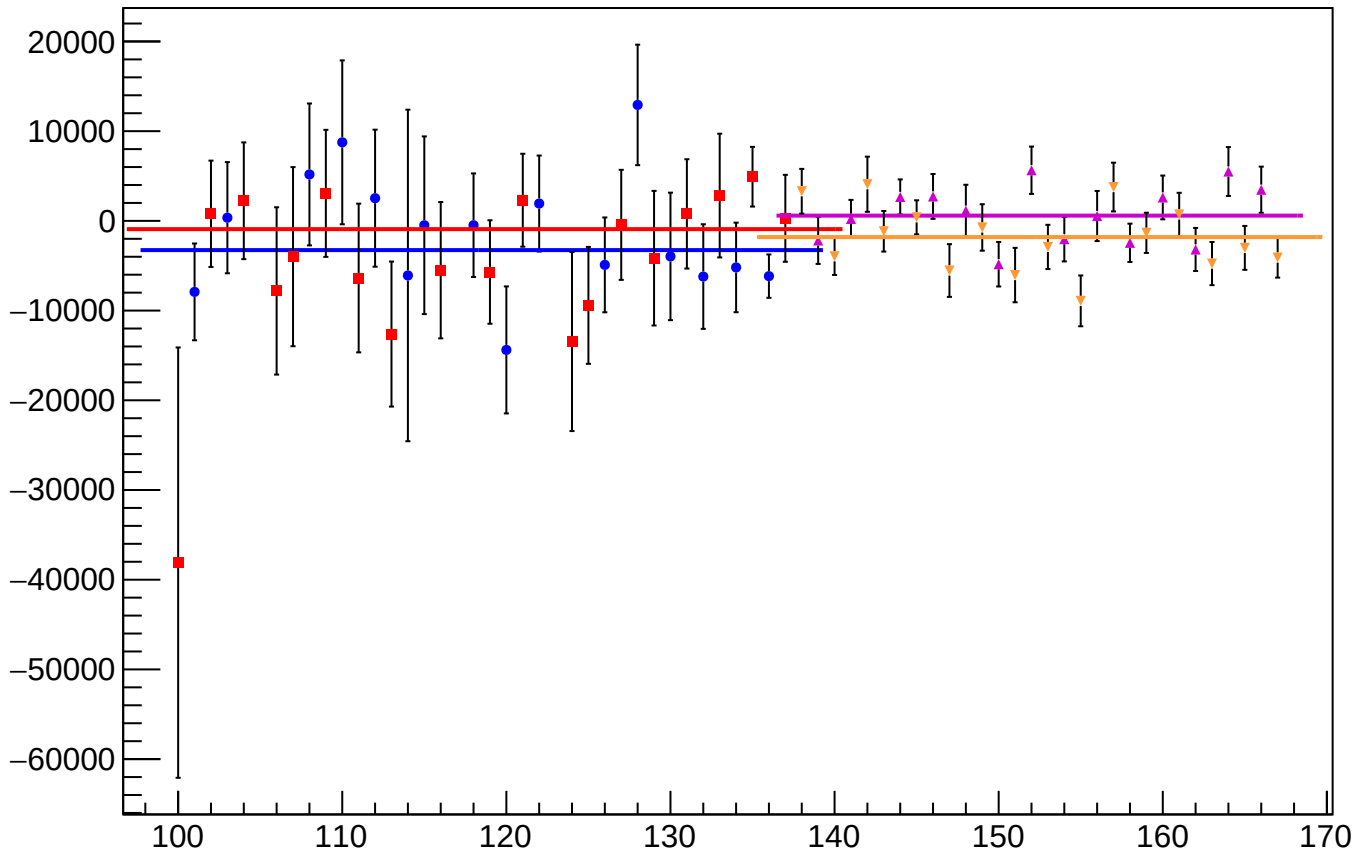
Left In: 301.104+/-0.063 χ^2/NDF :166966.0/13

+ sign 311.112+/-0.050 χ^2/NDF : 1172737.3/31

All: 314.012+/-0.036 χ^2/NDF : 2423011.5/64

- sign 317.193+/-0.053 χ^2/NDF : 1243260.3/32

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828 $\pm$ 1384.137 χ^2/NDF : 16.0/15

Left Out: -1806.781 $\pm$ 610.893 χ^2/NDF : 28.7/15

Right Out: -921.200 $\pm$ 1460.725 χ^2/NDF : 14.6/18

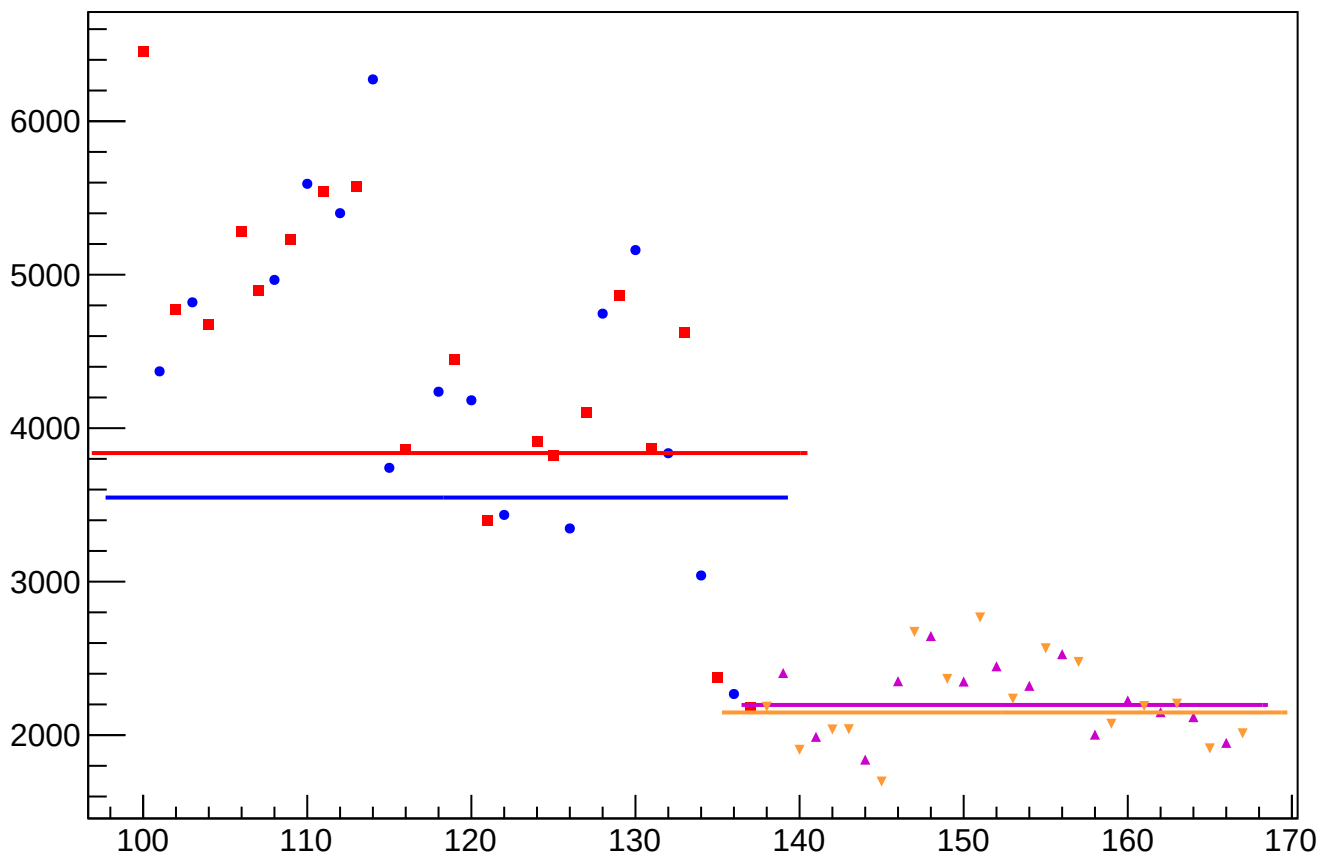
Left In: 585.455 $\pm$ 651.734 χ^2/NDF : 22.3/13

+ sign -2043.515 $\pm$ 558.880 χ^2/NDF : 45.7/31

All: -928.847 $\pm$ 407.417 χ^2/NDF : 92.0/64

- sign 335.320 $\pm$ 595.180 χ^2/NDF : 37.8/32

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966 $\pm$ 0.979 χ^2/NDF : 1258472.8/15

Left Out: 2147.609 $\pm$ 0.432 χ^2/NDF : 414084.9/15

Right Out: 3837.965 $\pm$ 1.033 χ^2/NDF : 1155821.5/18

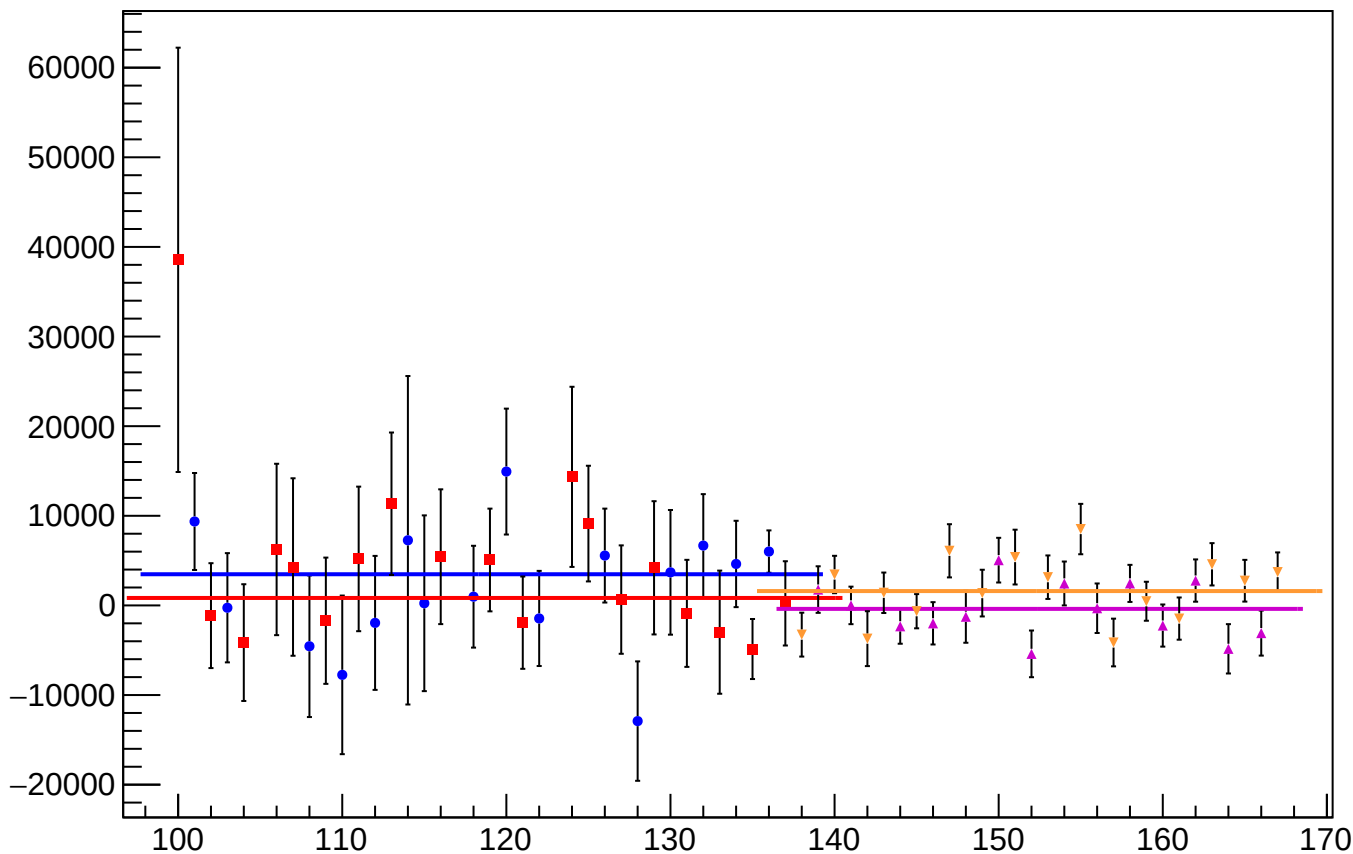
Left In: 2196.561 $\pm$ 0.461 χ^2/NDF : 250599.8/13

+ sign 2375.915 $\pm$ 0.395 χ^2/NDF : 3385949.9/31

All: 2419.564 $\pm$ 0.288 χ^2/NDF : 6924509.8/64

- sign 2469.067 $\pm$ 0.421 χ^2/NDF : 3512525.1/32

asym_sam2_mean vs Slug



Right In: 3478.372 $\pm$ 1360.356 χ^2 /NDF: 16.3/15

Left Out: 1600.586 $\pm$ 603.826 χ^2 /NDF: 28.8/15

Right Out: 832.583 $\pm$ 1449.649 χ^2 /NDF: 14.0/18

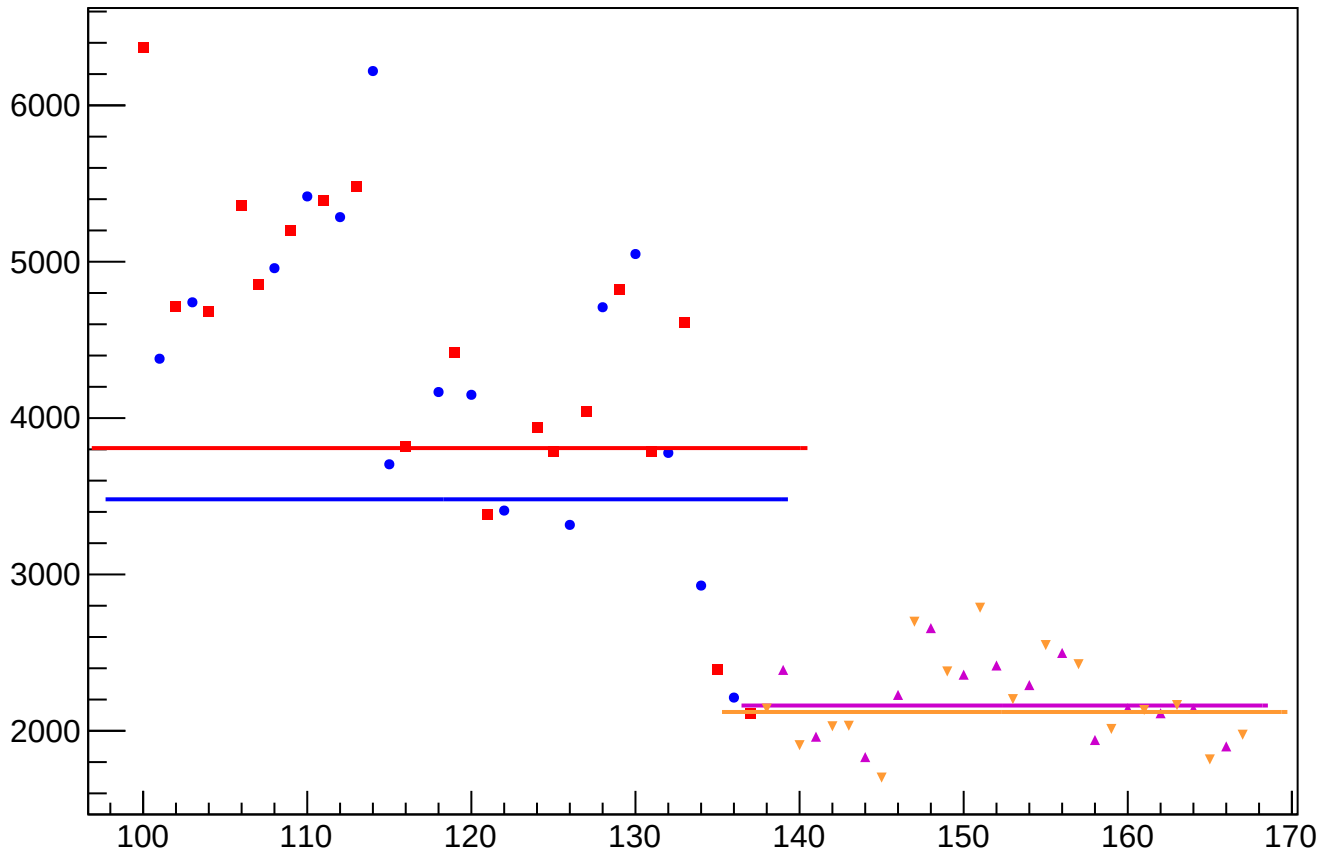
Left In: -386.591 $\pm$ 641.619 χ^2 /NDF: 20.2/13

+ sign 1909.659 $\pm$ 551.900 χ^2 /NDF: 46.7/31

All: 925.442 $\pm$ 401.998 χ^2 /NDF: 88.3/64

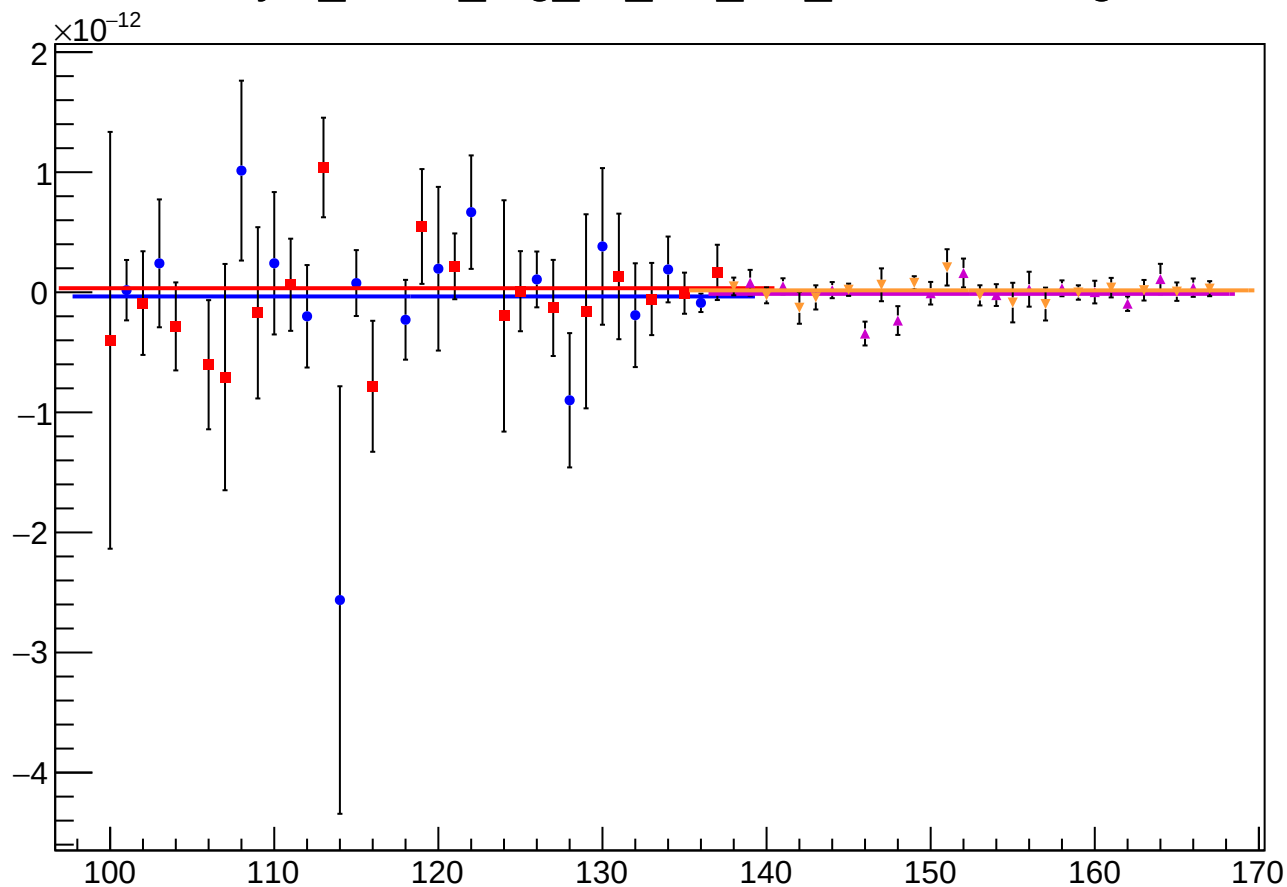
- sign -186.880 $\pm$ 586.719 χ^2 /NDF: 34.8/32

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962	χ^2/NDF : 1296641.6/15	+ sign 2344.370+/-0.390	χ^2/NDF : 3403138.9/31
Left Out: 2120.514+/-0.427	χ^2/NDF : 436449.3/15	All: 2385.269+/-0.284	χ^2/NDF : 6994426.5/64
Right Out: 3808.151+/-1.025	χ^2/NDF : 1147564.2/18	- sign 2431.491+/-0.415	χ^2/NDF : 3567891.9/32
Left In: 2161.806+/-0.454	χ^2/NDF : 263317.0/13		

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 : 6.6/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.5/18

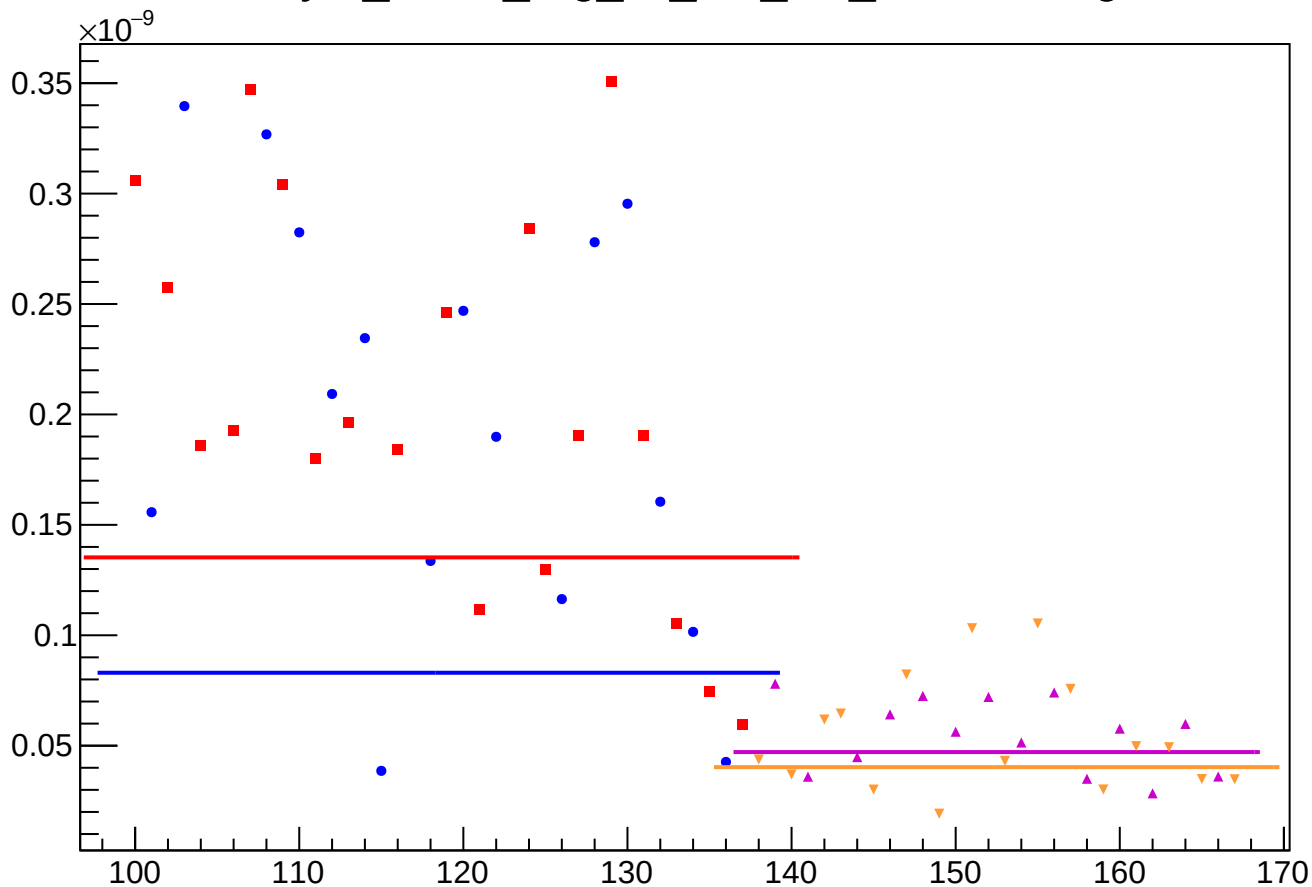
Left In: -0.000 ± 0.000 χ^2/NDF : 22.3/13

+ sign 0.000 ± 0.000 χ^2/NDF : 19.2/31

All: 0.000 ± 0.000 χ^2/NDF : 55.8/64

- sign -0.000 ± 0.000 χ^2/NDF : 36.1/32

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 : 1656948.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1401659.7/18

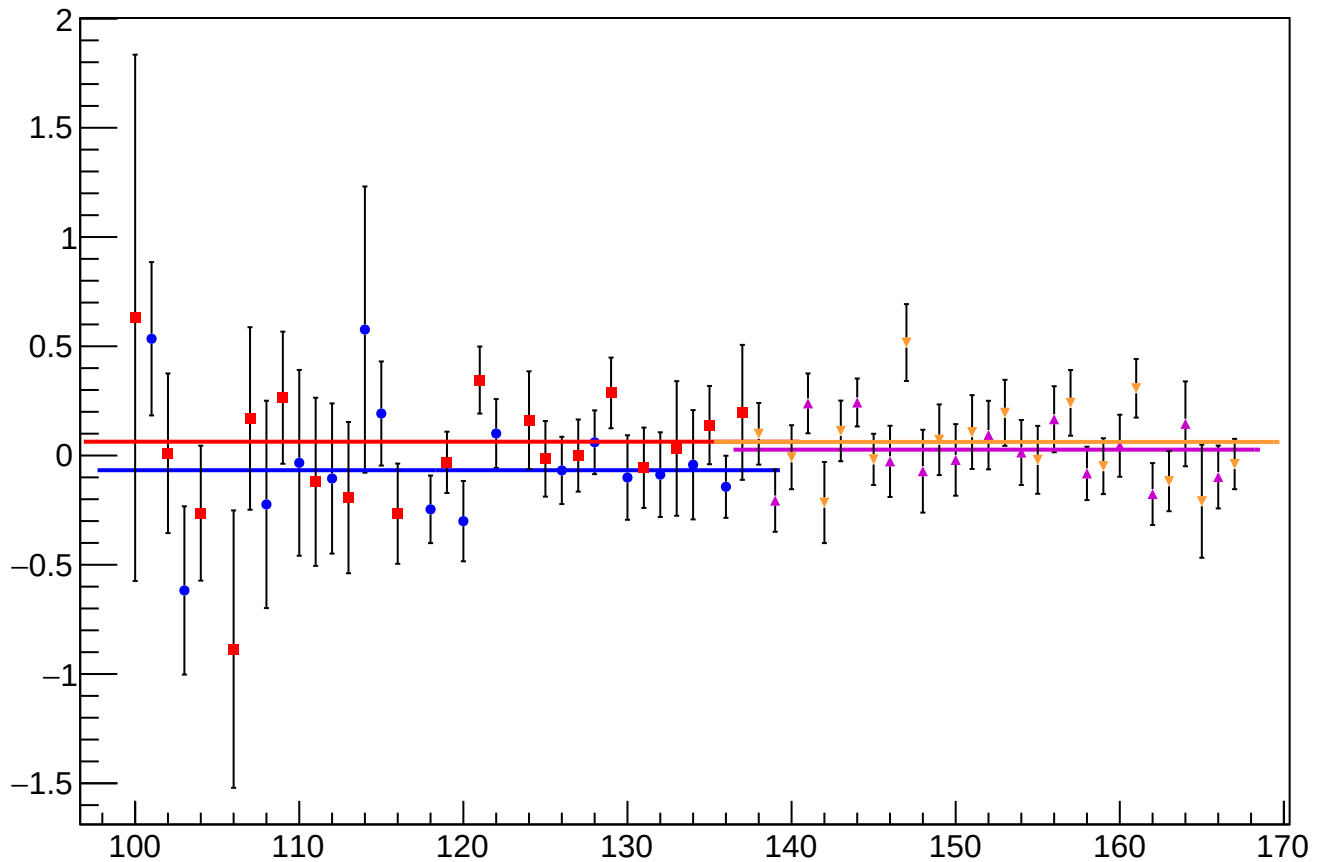
Left In: 0.000+/-0.000 χ^2/NDF : 897979.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 5259468.2/31

All: 0.000+/-0.000 χ^2/NDF : 9753757.9/64

- sign 0.000+/-0.000 χ^2/NDF : 4311643.8/32

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.062 ± 0.037 χ^2/NDF : 20.0/15

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

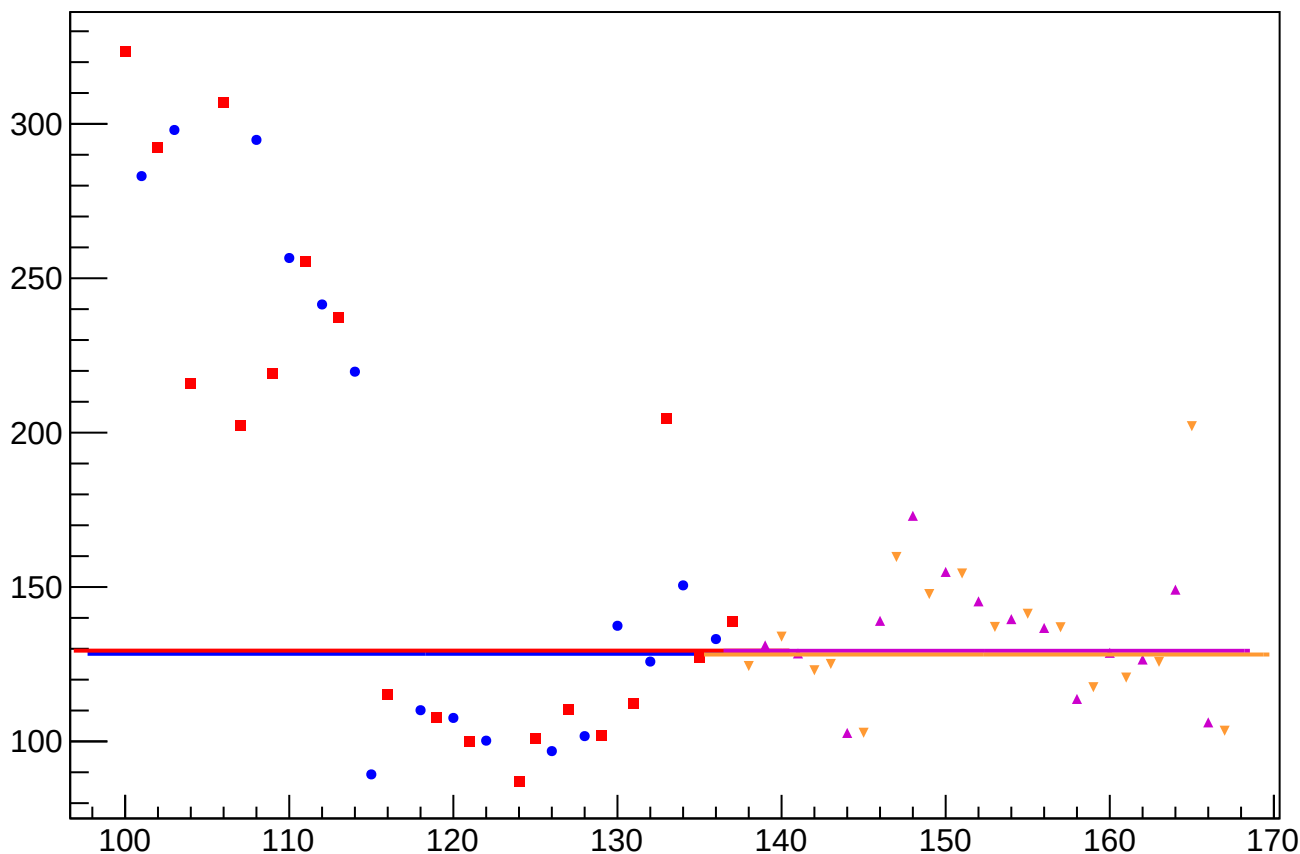
Left In: 0.027 ± 0.039 χ^2/NDF : 14.4/13

+ sign 0.019 ± 0.030 χ^2/NDF : 36.7/31

All: 0.029 ± 0.022 χ^2/NDF : 65.7/64

- sign 0.040 ± 0.031 χ^2/NDF : 28.8/32

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 0.037 χ^2 /NDF: 1805078.6/15

Left Out: 128.142 $\pm$ 0.026 χ^2 /NDF: 546267.5/15

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

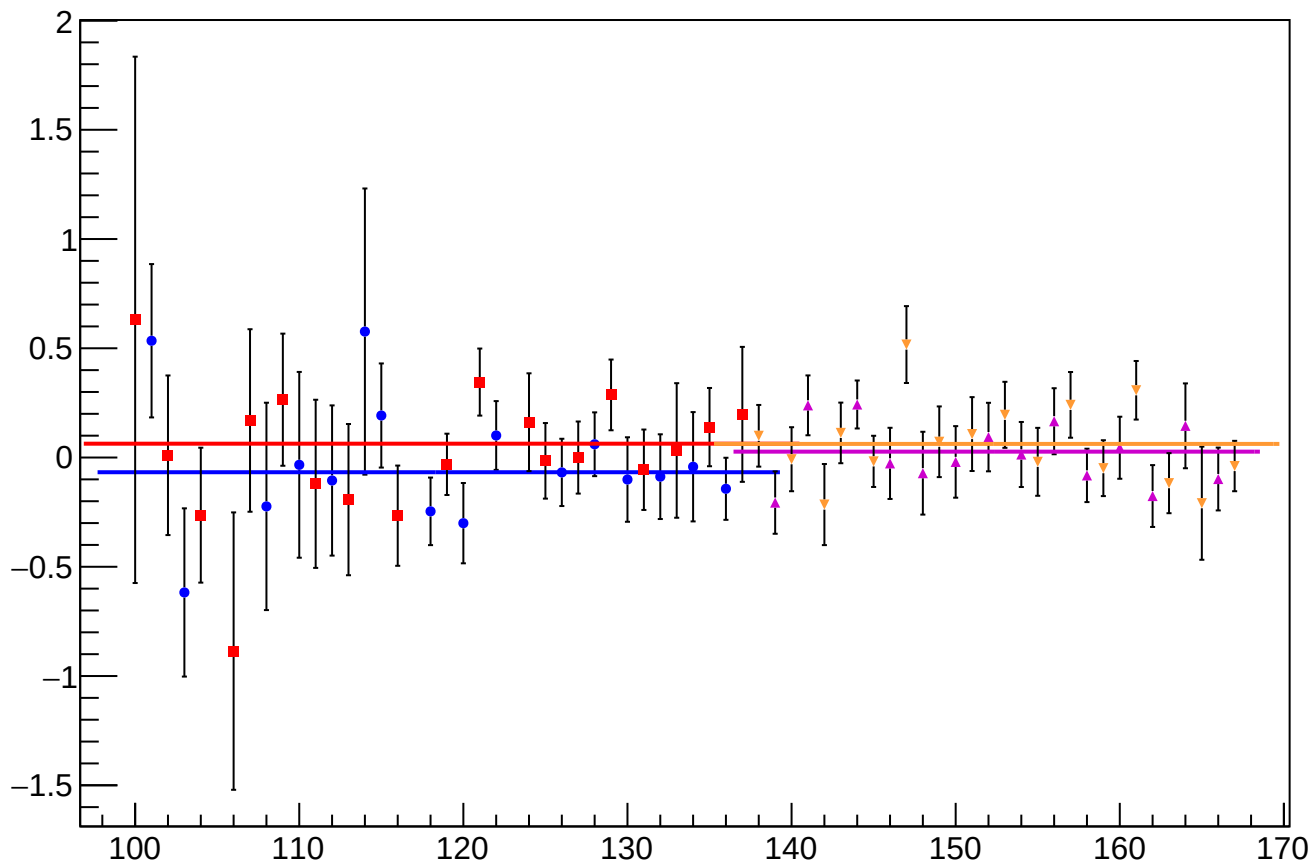
Left In: 129.339 $\pm$ 0.028 χ^2 /NDF: 421331.9/13

+ sign 128.221 $\pm$ 0.021 χ^2 /NDF: 2351374.2/31

All: 128.769 $\pm$ 0.015 χ^2 /NDF: 4662375.1/64

- sign 129.361 $\pm$ 0.022 χ^2 /NDF: 2309605.2/32

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.062 ± 0.037 χ^2/NDF : 20.0/15

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

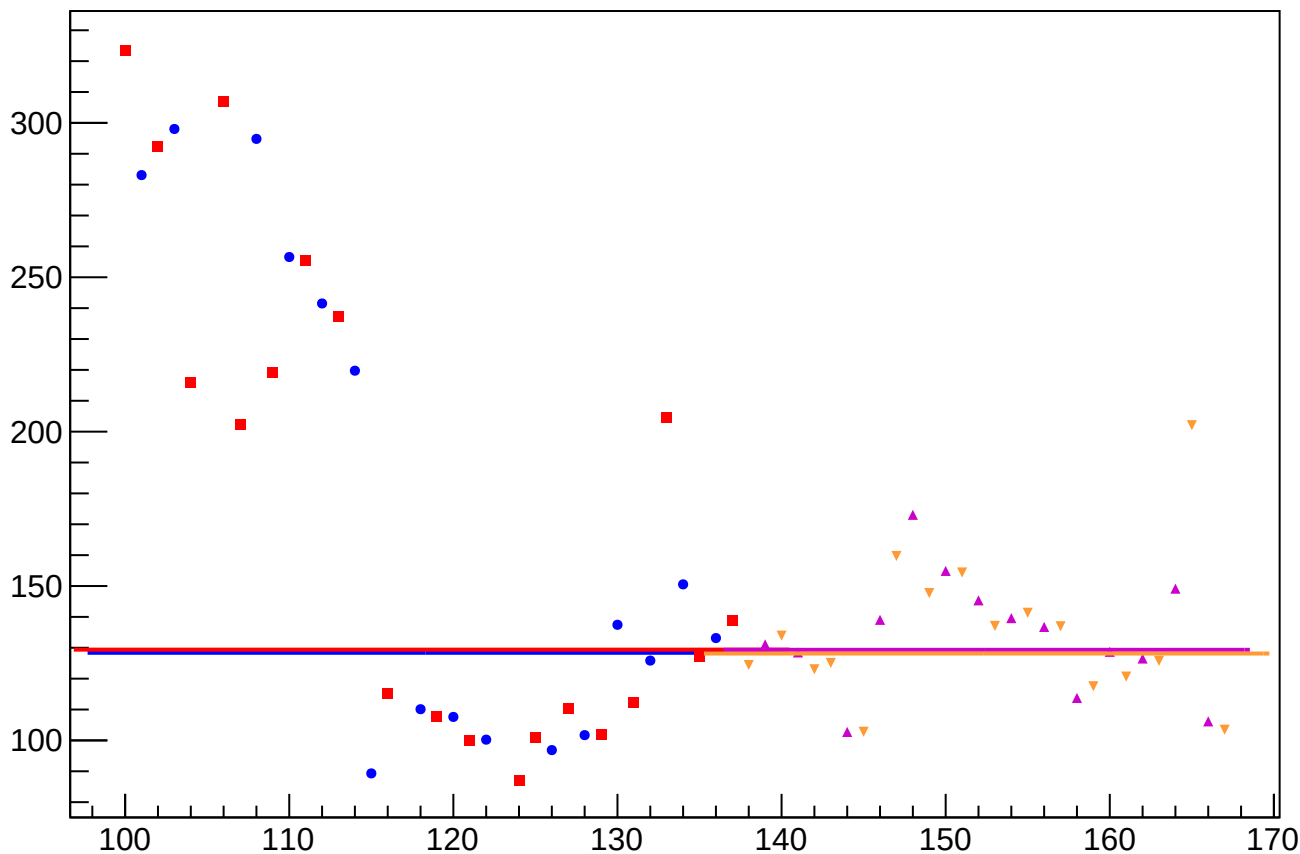
Left In: 0.027 ± 0.039 χ^2/NDF : 14.4/13

+ sign 0.019 ± 0.030 χ^2/NDF : 36.7/31

All: 0.029 ± 0.022 χ^2/NDF : 65.7/64

- sign 0.040 ± 0.031 χ^2/NDF : 28.8/32

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: 128.142 $\pm$ 0.026 χ^2 /NDF: 546267.5/15

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

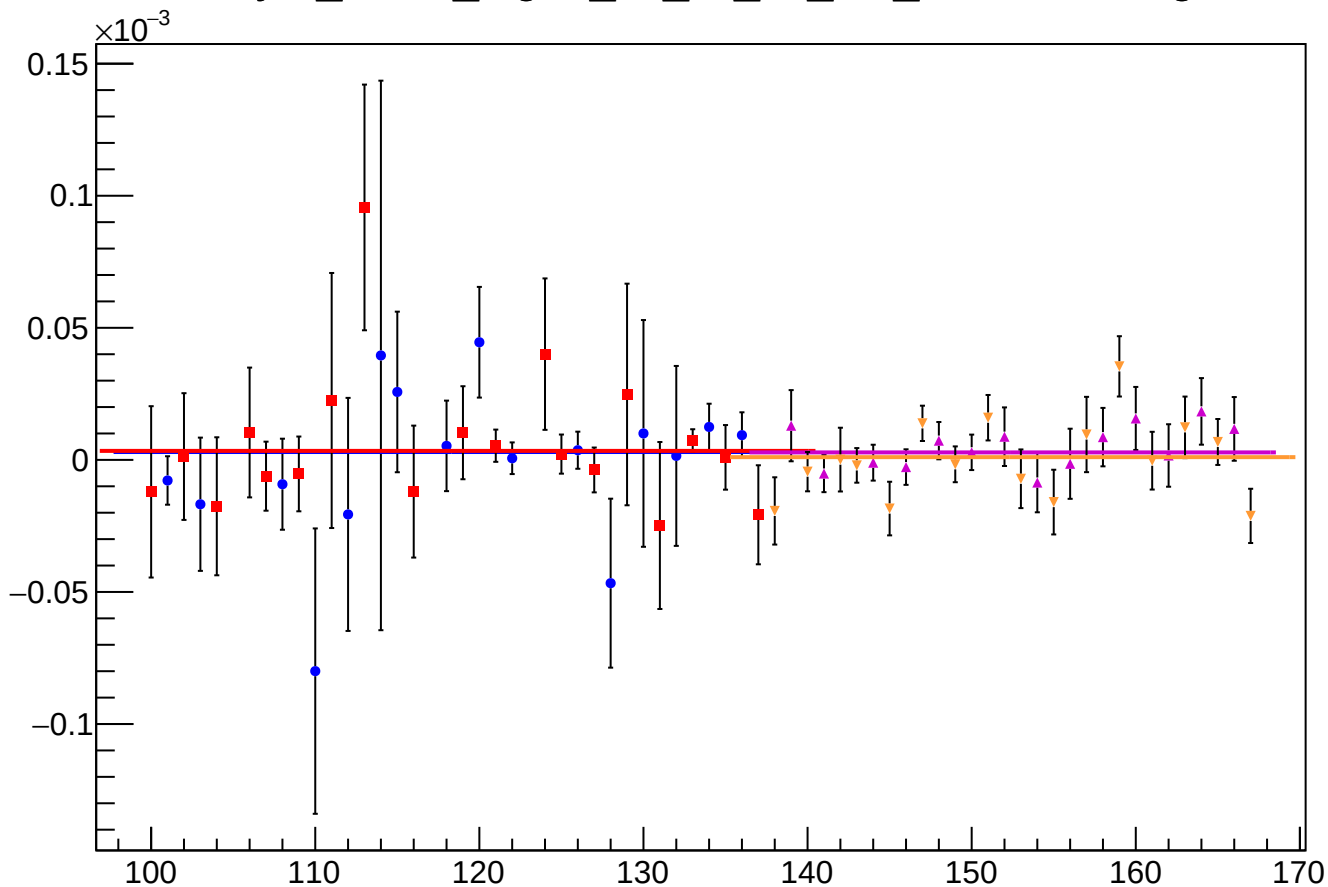
Left In: 129.339 $\pm$ 0.028 χ^2 /NDF: 421331.9/13

+ sign 128.221 $\pm$ 0.021 χ^2 /NDF: 2351374.2/31

All: 128.769 $\pm$ 0.015 χ^2 /NDF: 4662375.1/64

- sign 129.361 $\pm$ 0.022 χ^2 /NDF: 2309605.2/32

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 : 31.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 12.6/18

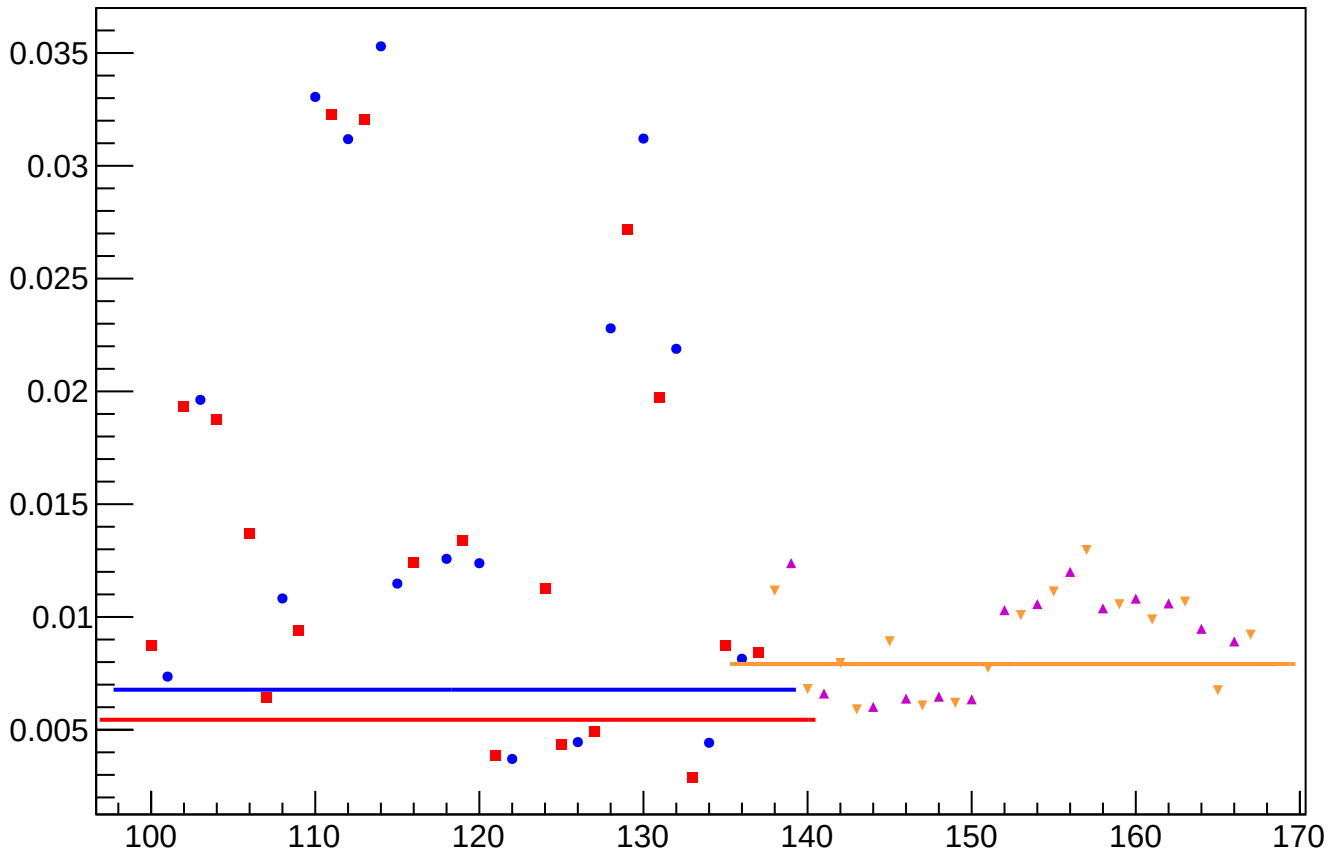
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 8.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 46.2/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 67.2/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 20.8/32

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 : 1482829.6/15

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 5572364.1/18

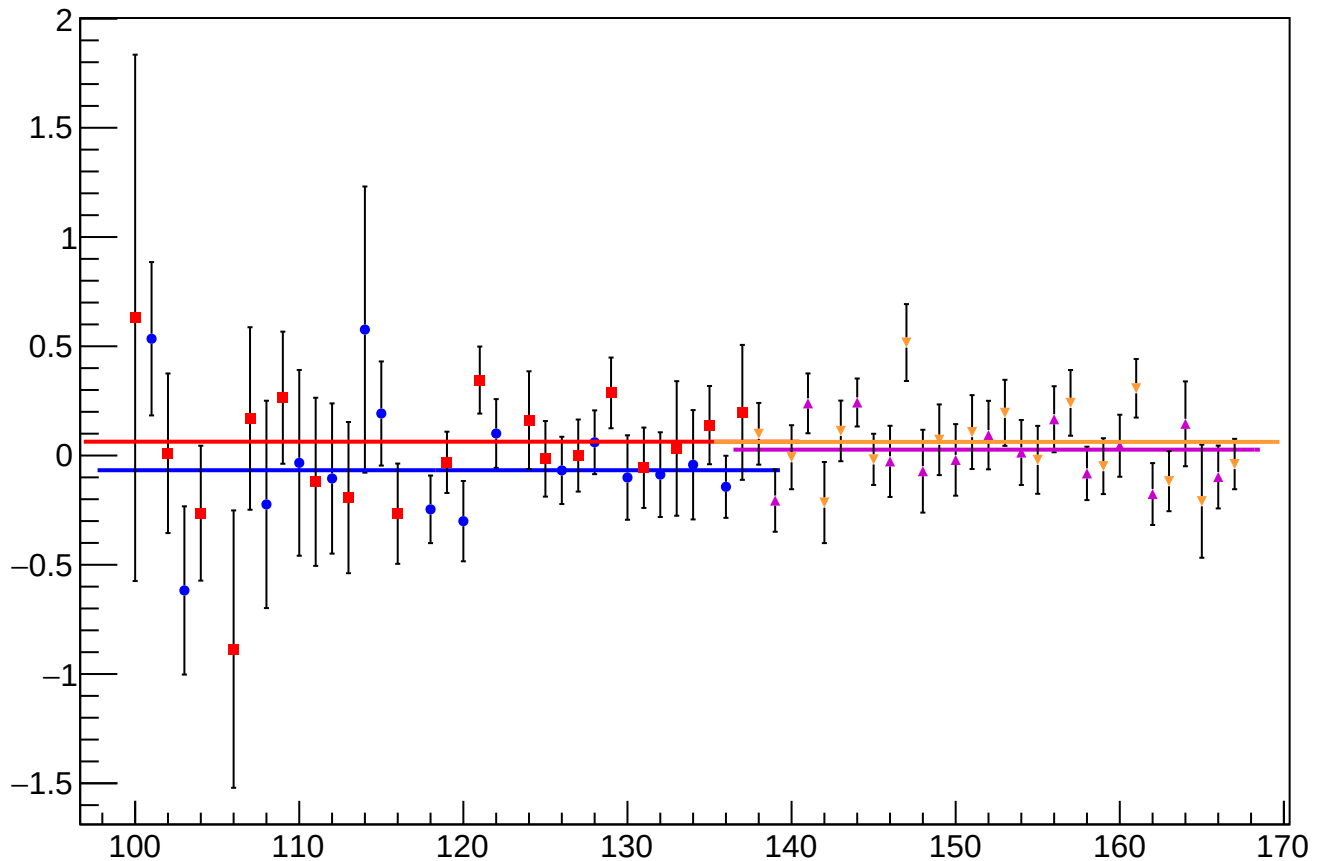
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1501049.6/13

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 6426600.8/31

All: 0.007 $\pm$ 0.000 χ^2/NDF : 14638421.0/64

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 8037122.9/32

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.062 ± 0.037 χ^2/NDF : 20.0/15

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

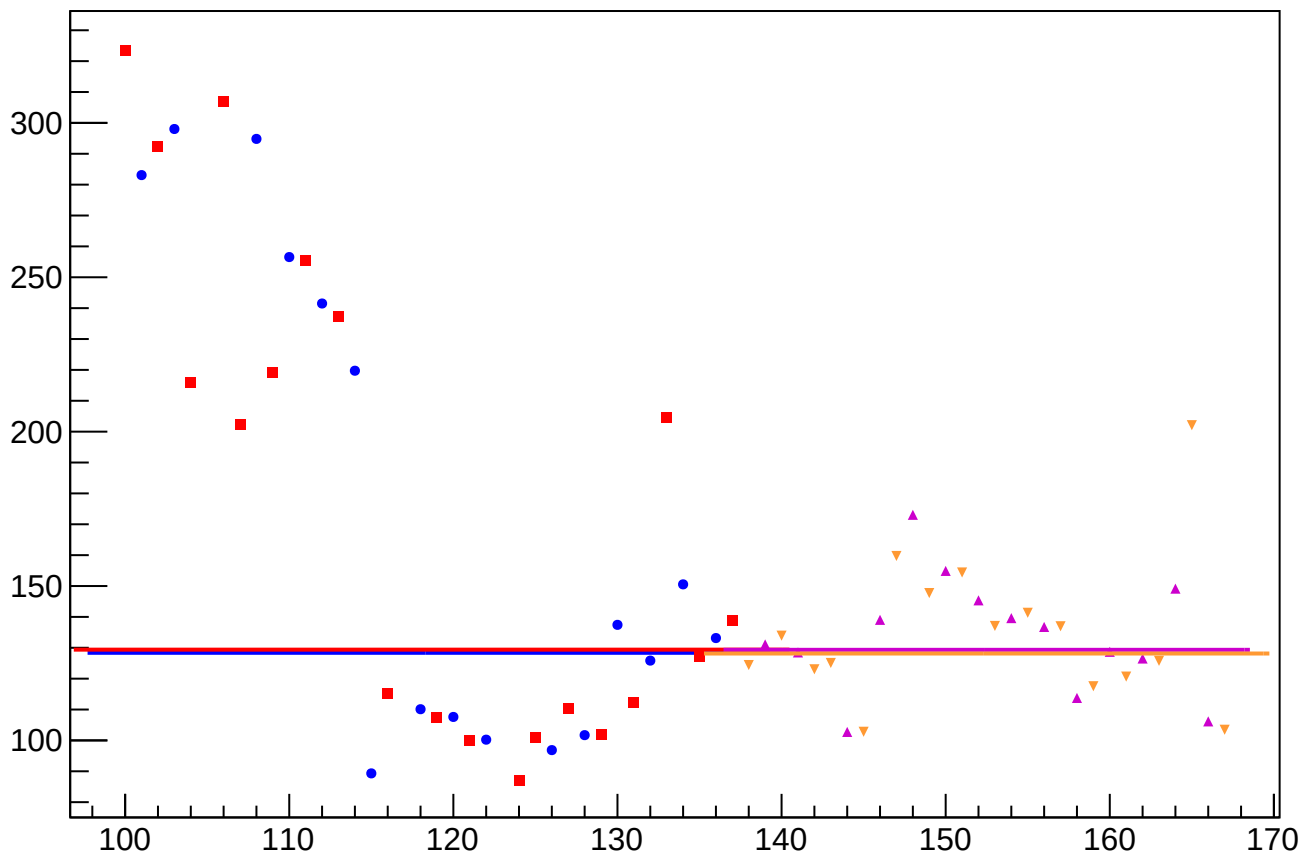
Left In: 0.027 ± 0.039 χ^2/NDF : 14.4/13

+ sign 0.019 ± 0.030 χ^2/NDF : 36.7/31

All: 0.029 ± 0.022 χ^2/NDF : 65.7/64

- sign 0.040 ± 0.031 χ^2/NDF : 28.8/32

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: 128.142 $\pm$ 0.026 χ^2 /NDF: 546320.1/15

Right Out: 129.396 $\pm$ 0.036 χ^2 /NDF: 1888272.8/18

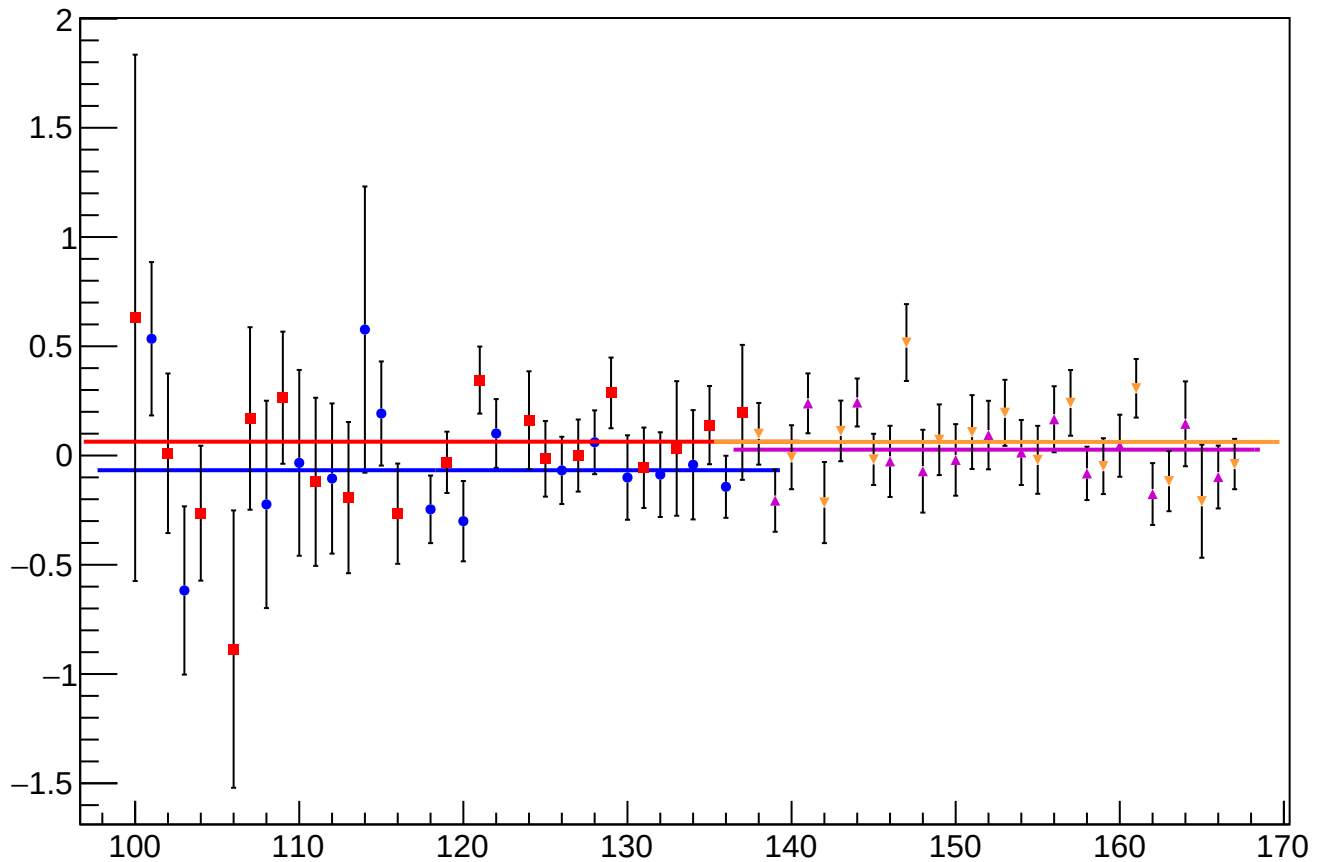
Left In: 129.339 $\pm$ 0.028 χ^2 /NDF: 421369.3/13

+ sign 128.220 $\pm$ 0.021 χ^2 /NDF: 2351374.3/31

All: 128.767 $\pm$ 0.015 χ^2 /NDF: 4662413.2/64

- sign 129.359 $\pm$ 0.022 χ^2 /NDF: 2309643.7/32

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: 0.062 ± 0.037 χ^2/NDF : 20.0/15

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

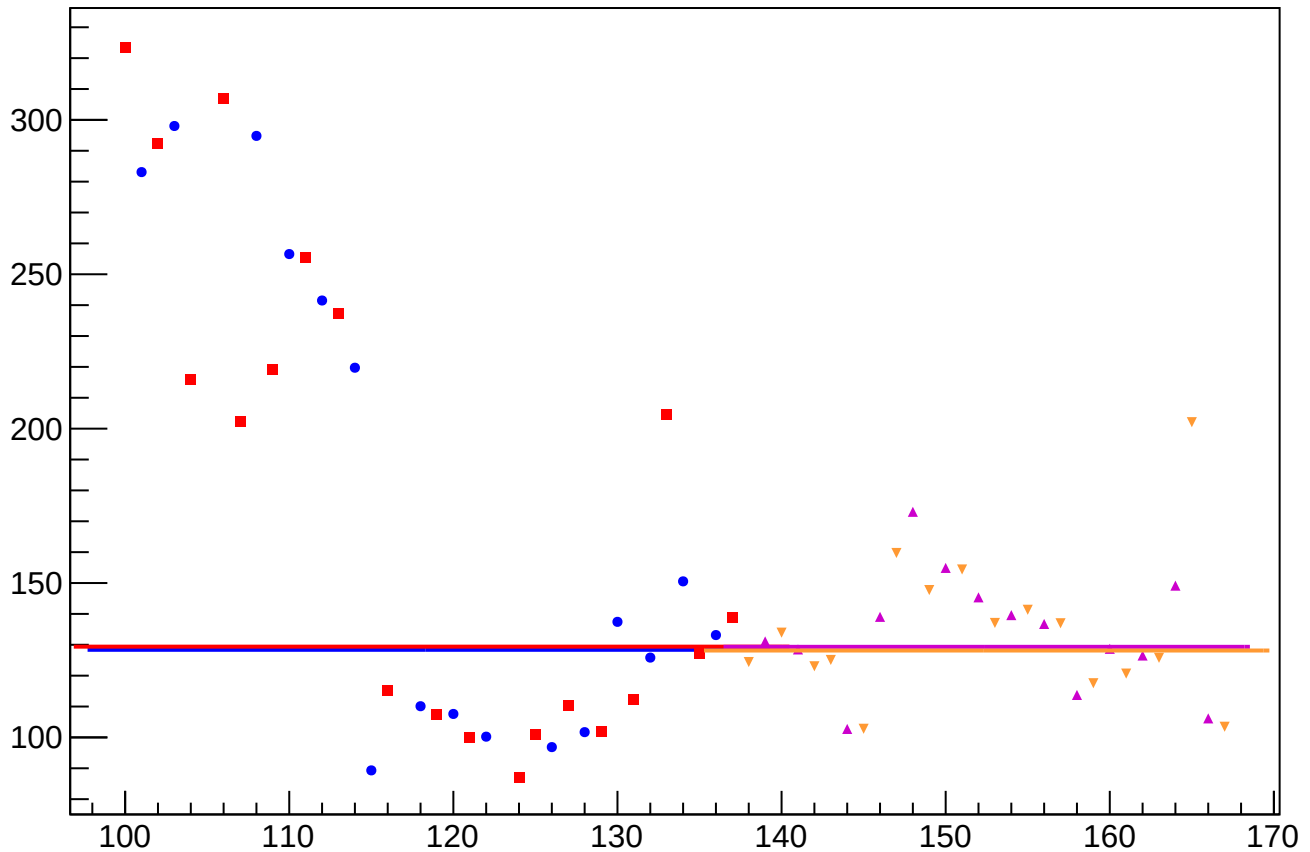
Left In: 0.027 ± 0.039 χ^2/NDF : 14.4/13

+ sign 0.019 ± 0.030 χ^2/NDF : 36.7/31

All: 0.029 ± 0.022 χ^2/NDF : 65.7/64

- sign 0.040 ± 0.031 χ^2/NDF : 28.8/32

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: 128.142 $\pm$ 0.026 χ^2 /NDF: 546320.1/15

Right Out: 129.396 $\pm$ 0.036 χ^2 /NDF: 1888272.8/18

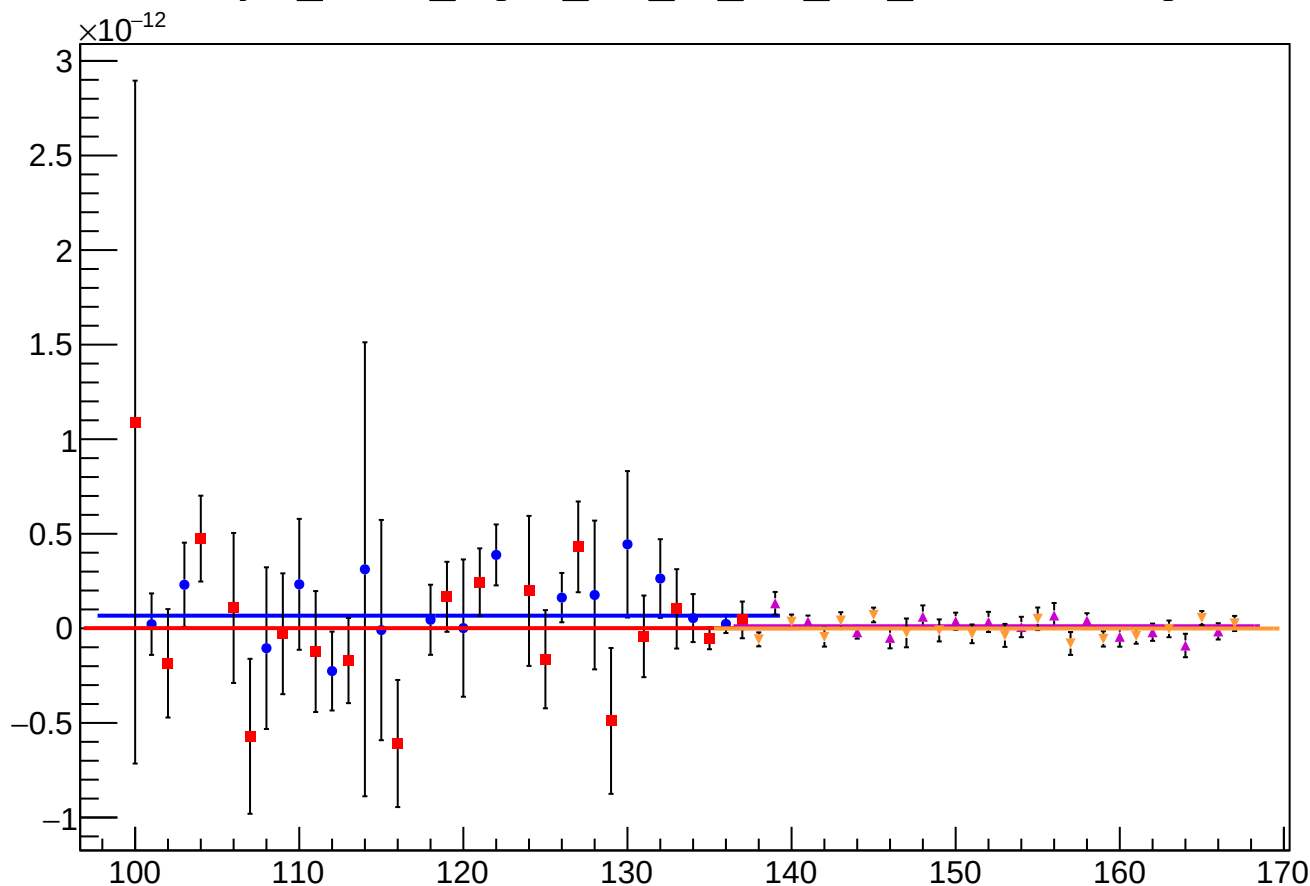
Left In: 129.339 $\pm$ 0.028 χ^2 /NDF: 421369.3/13

+ sign 128.220 $\pm$ 0.021 χ^2 /NDF: 2351374.3/31

All: 128.767 $\pm$ 0.015 χ^2 /NDF: 4662413.2/64

- sign 129.359 $\pm$ 0.022 χ^2 /NDF: 2309643.7/32

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.1/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.7/18

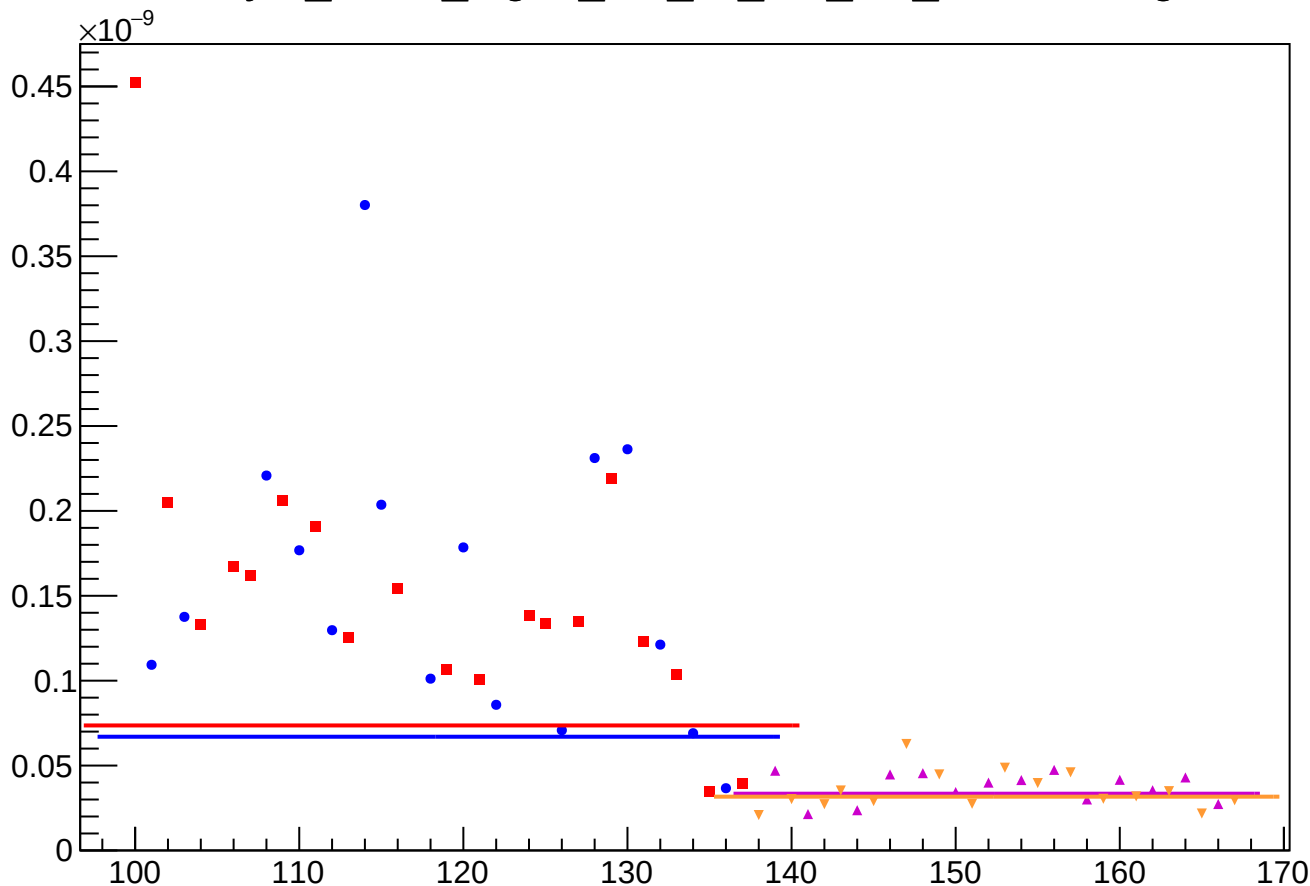
Left In: 0.000 ± 0.000 χ^2/NDF : 14.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 30.6/31

All: 0.000 ± 0.000 χ^2/NDF : 65.5/64

- sign 0.000 ± 0.000 χ^2/NDF : 34.8/32

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 : 1131819.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3653663.9/18

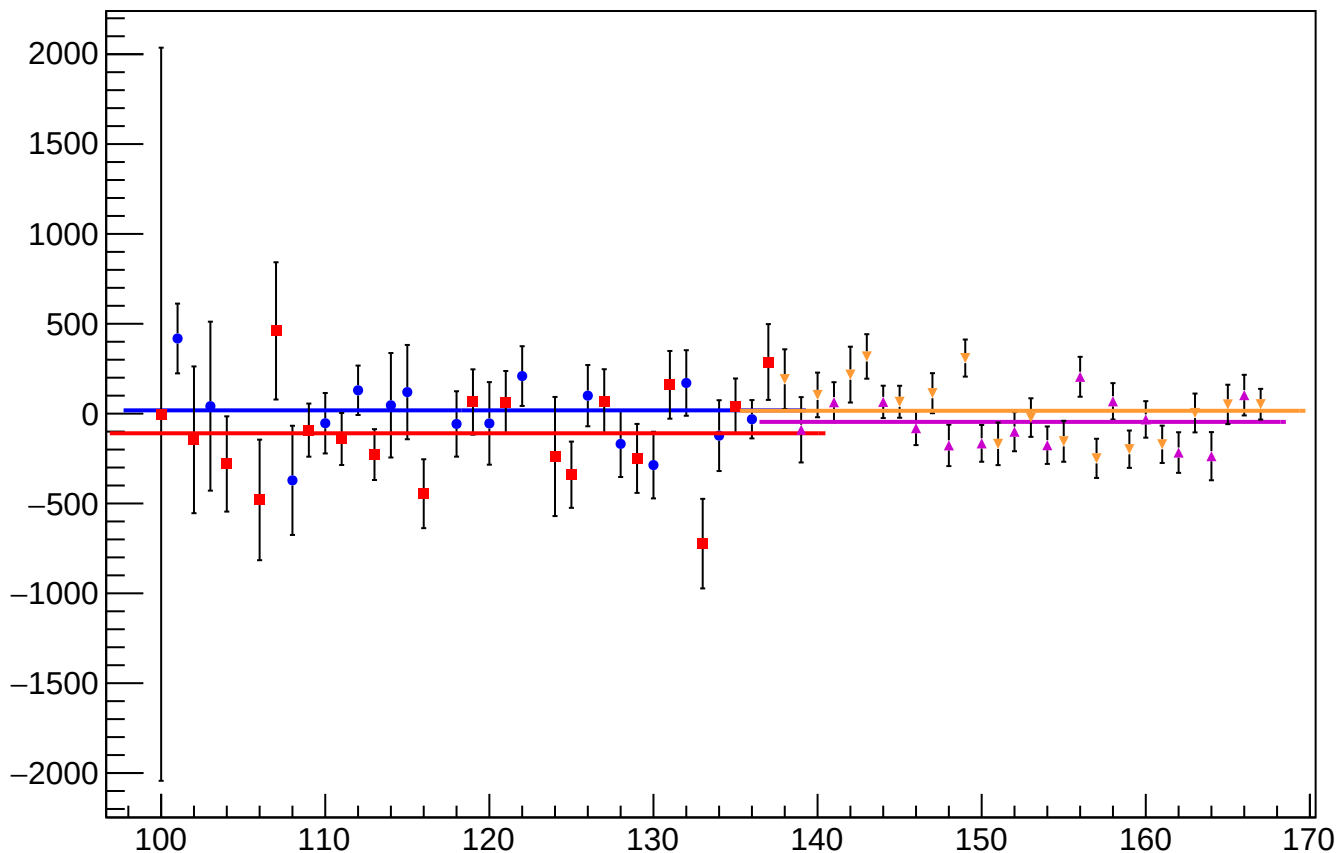
Left In: 0.000+/-0.000 χ^2/NDF : 1042642.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 6052285.1/31

All: 0.000+/-0.000 χ^2/NDF : 12681176.3/64

- sign 0.000+/-0.000 χ^2/NDF : 6590816.9/32

reg_asym_sam3_mean vs Slug



Right In: 18.204 $\pm$ 45.704 χ^2 /NDF: 13.9/15

Left Out: 15.803 $\pm$ 27.533 χ^2 /NDF: 36.9/15

Right Out: -109.432 $\pm$ 45.825 χ^2 /NDF: 25.5/18

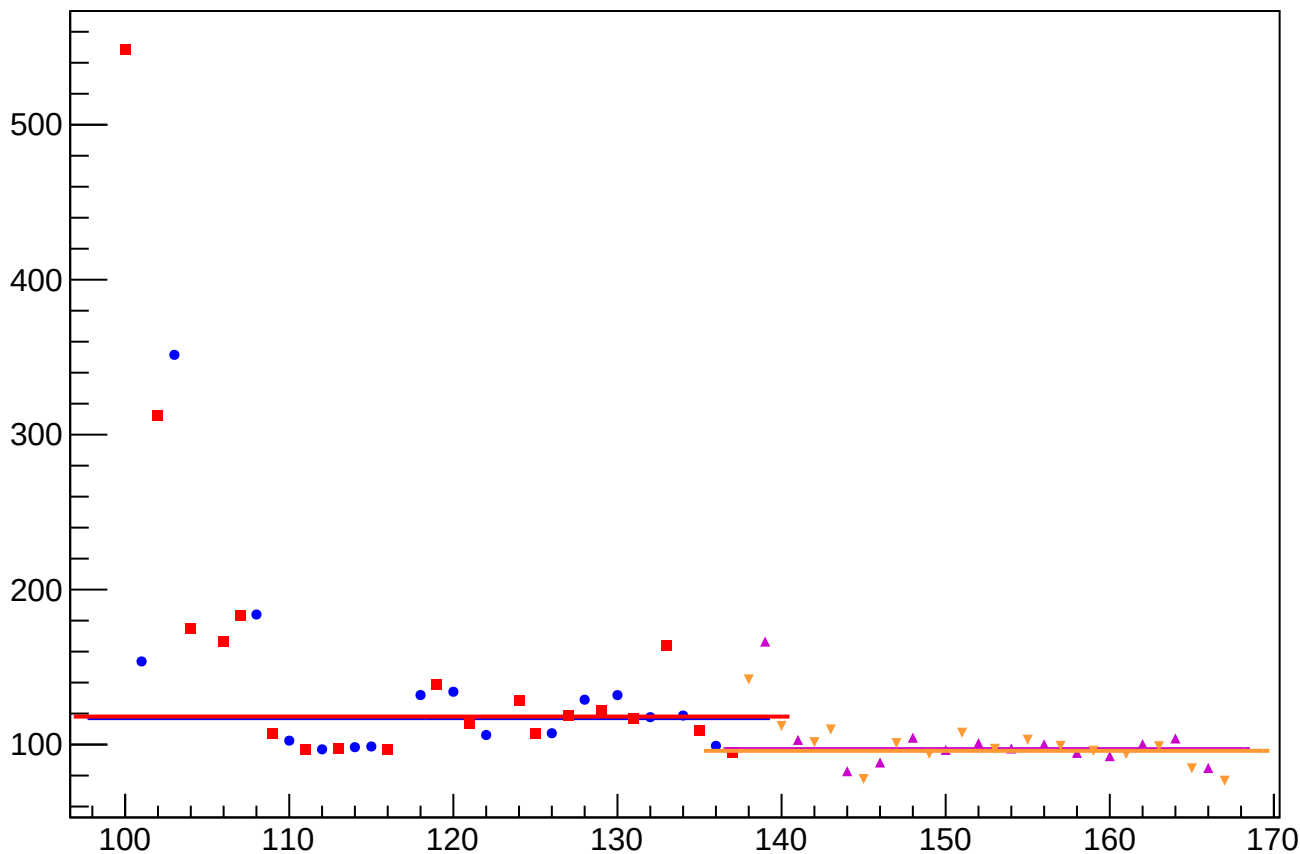
Left In: -46.027 $\pm$ 29.087 χ^2 /NDF: 19.6/13

+ sign 16.443 $\pm$ 23.584 χ^2 /NDF: 50.7/31

All: -22.266 $\pm$ 17.010 χ^2 /NDF: 102.8/64

- sign -64.237 $\pm$ 24.558 χ^2 /NDF: 46.4/32

reg_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858400.8/15

Left Out: 95.956 $\pm$ 0.019 χ^2 /NDF: 457995.5/15

Right Out: 118.057 $\pm$ 0.032 χ^2 /NDF: 990748.0/18

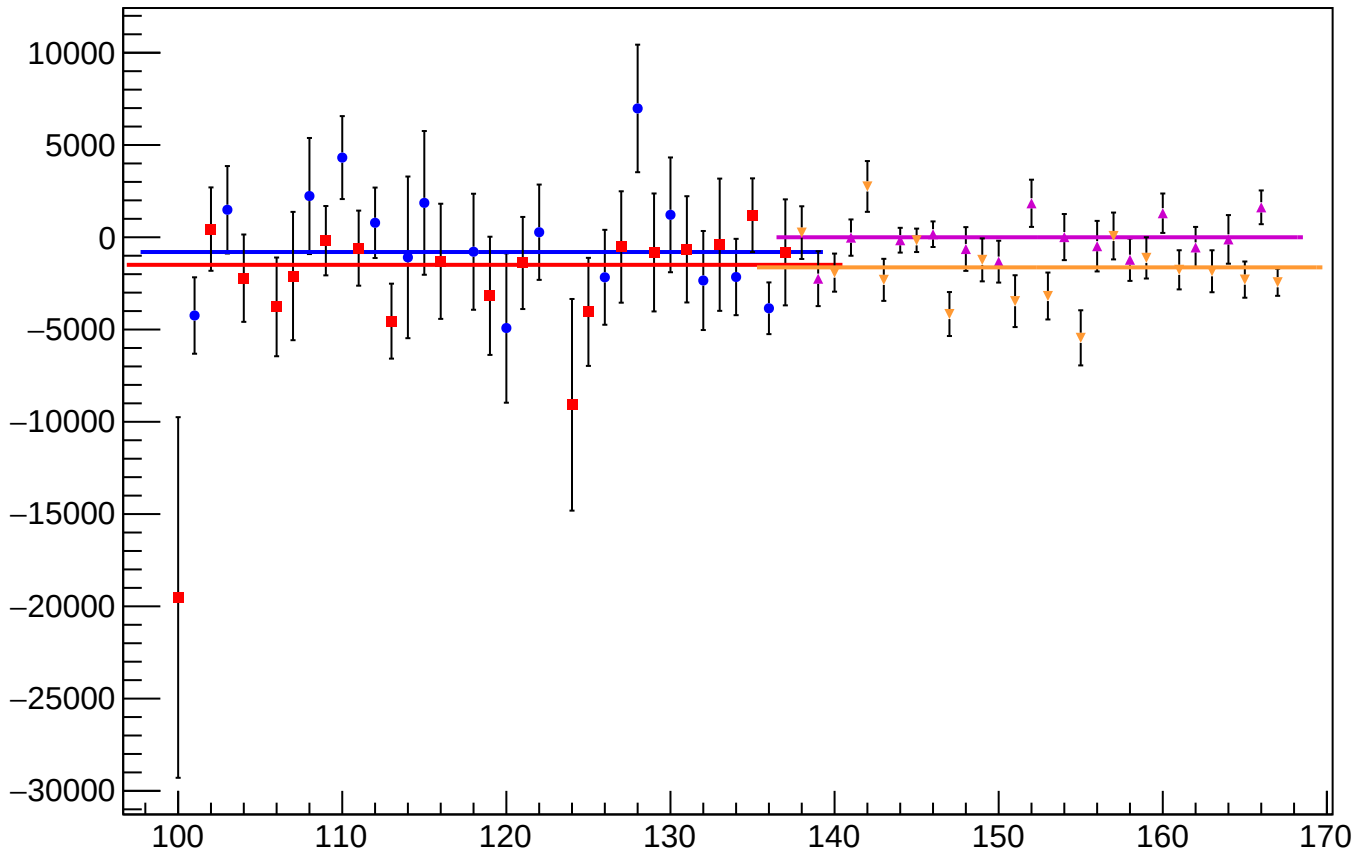
Left In: 97.054 $\pm$ 0.021 χ^2 /NDF: 411469.4/13

+ sign 101.576 $\pm$ 0.017 χ^2 /NDF: 1629364.2/31

All: 102.300 $\pm$ 0.012 χ^2 /NDF: 3335008.4/64

- sign 103.086 $\pm$ 0.017 χ^2 /NDF: 1701709.6/32

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133 ± 616.009 χ^2/NDF : 23.4/15

Left Out: -1630.674 ± 265.452 χ^2/NDF : 35.7/15

Right Out: -1493.897 ± 613.097 χ^2/NDF : 12.9/18

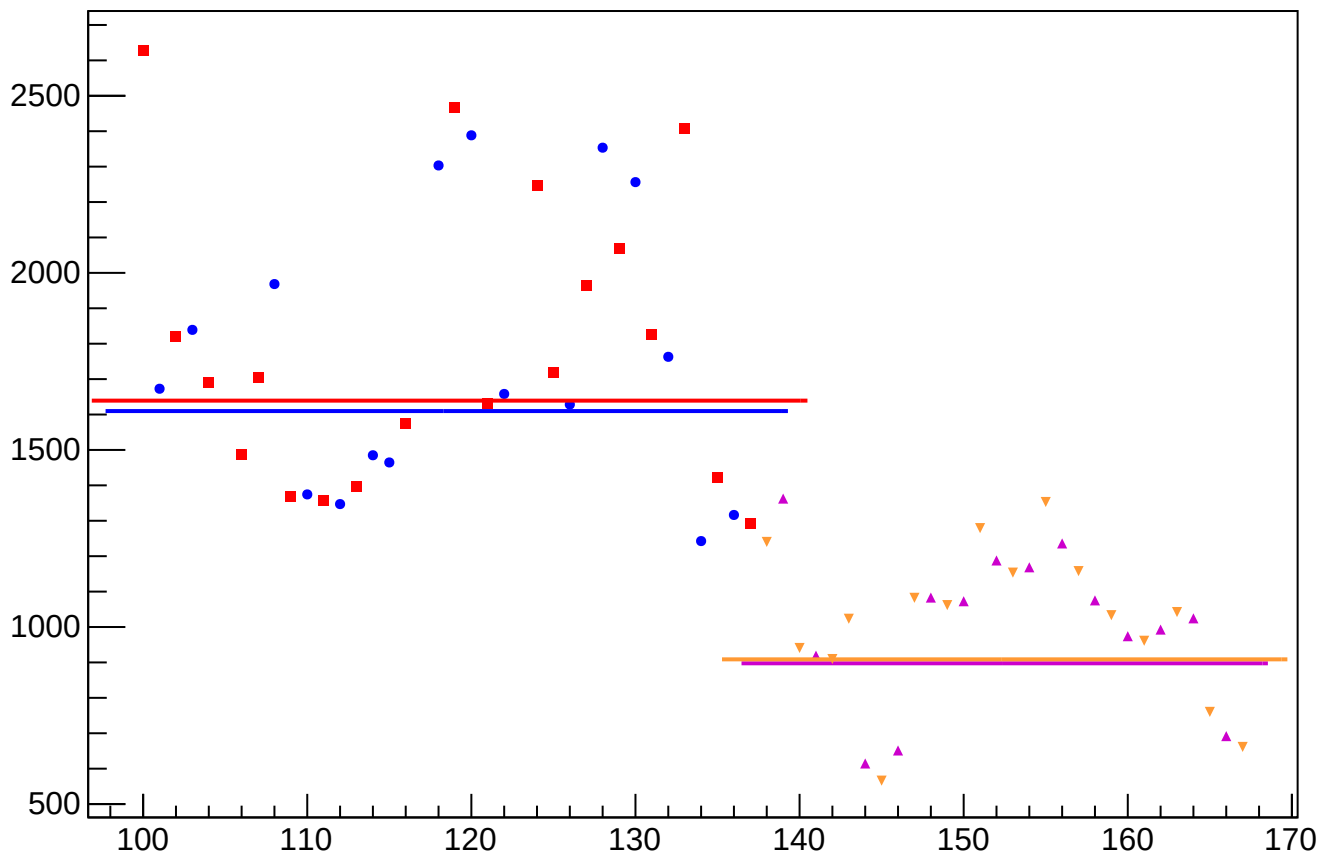
Left In: -0.012 ± 274.411 χ^2/NDF : 12.3/13

+ sign -1500.445 ± 243.781 χ^2/NDF : 60.7/31

All: -891.813 ± 174.695 χ^2/NDF : 103.6/64

- sign -249.335 ± 250.467 χ^2/NDF : 30.1/32

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782 +/- 0.436 χ^2/NDF : 619129.2/15

Left Out: 908.684 +/- 0.188 χ^2/NDF : 1585233.2/15

Right Out: 1639.241 +/- 0.434 χ^2/NDF : 520182.2/18

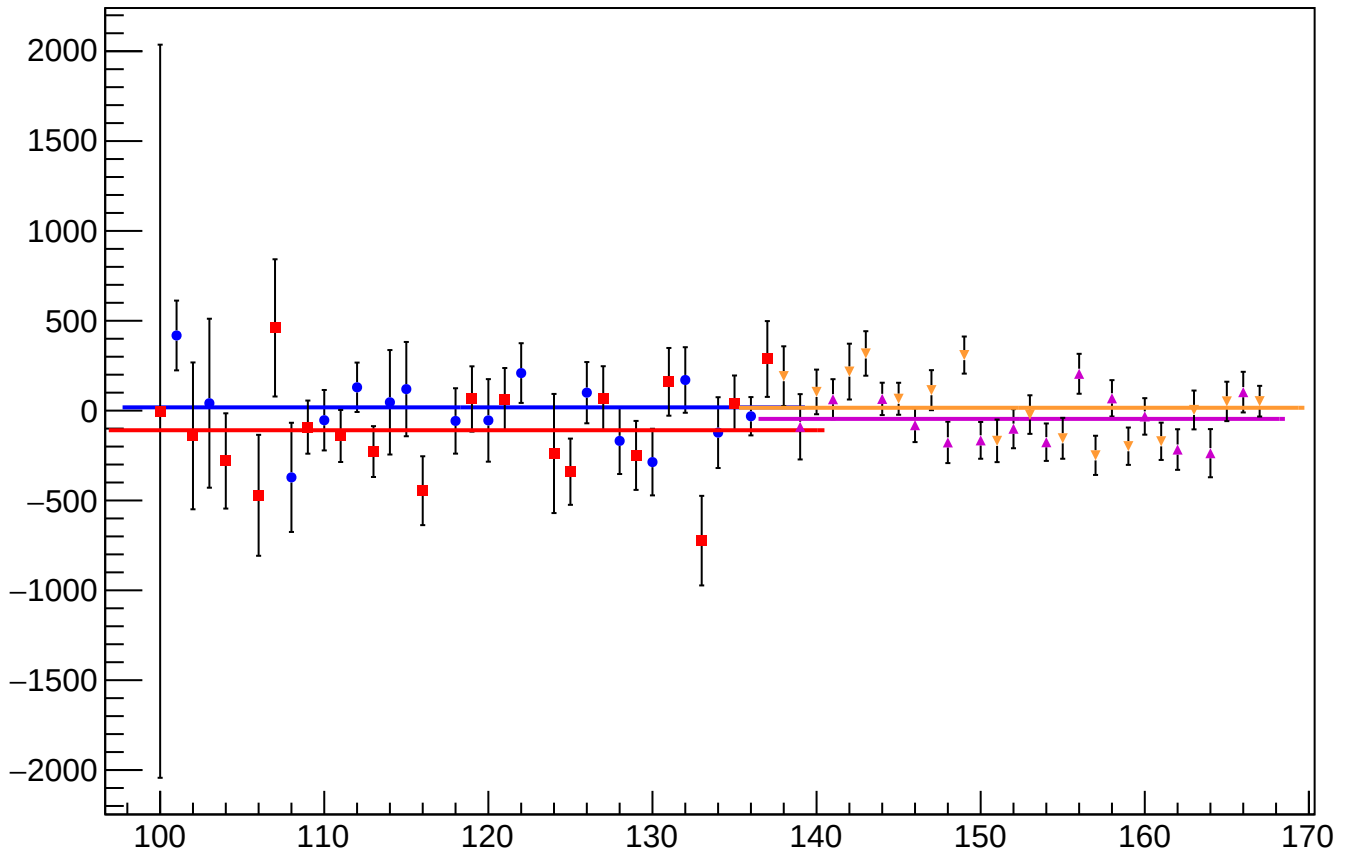
Left In: 897.524 +/- 0.194 χ^2/NDF : 1412506.5/13

+ sign 1018.484 +/- 0.172 χ^2/NDF : 4389303.7/31

All: 1019.861 +/- 0.124 χ^2/NDF : 8760763.5/64

- sign 1021.313 +/- 0.177 χ^2/NDF : 4371328.8/32

cor_asym_sam3_mean vs Slug



Right In: 18.191 ± 45.704 χ^2/NDF : 13.9/15

Left Out: 15.812 ± 27.533 χ^2/NDF : 36.9/15

Right Out: -109.151 ± 45.828 χ^2/NDF : 25.4/18

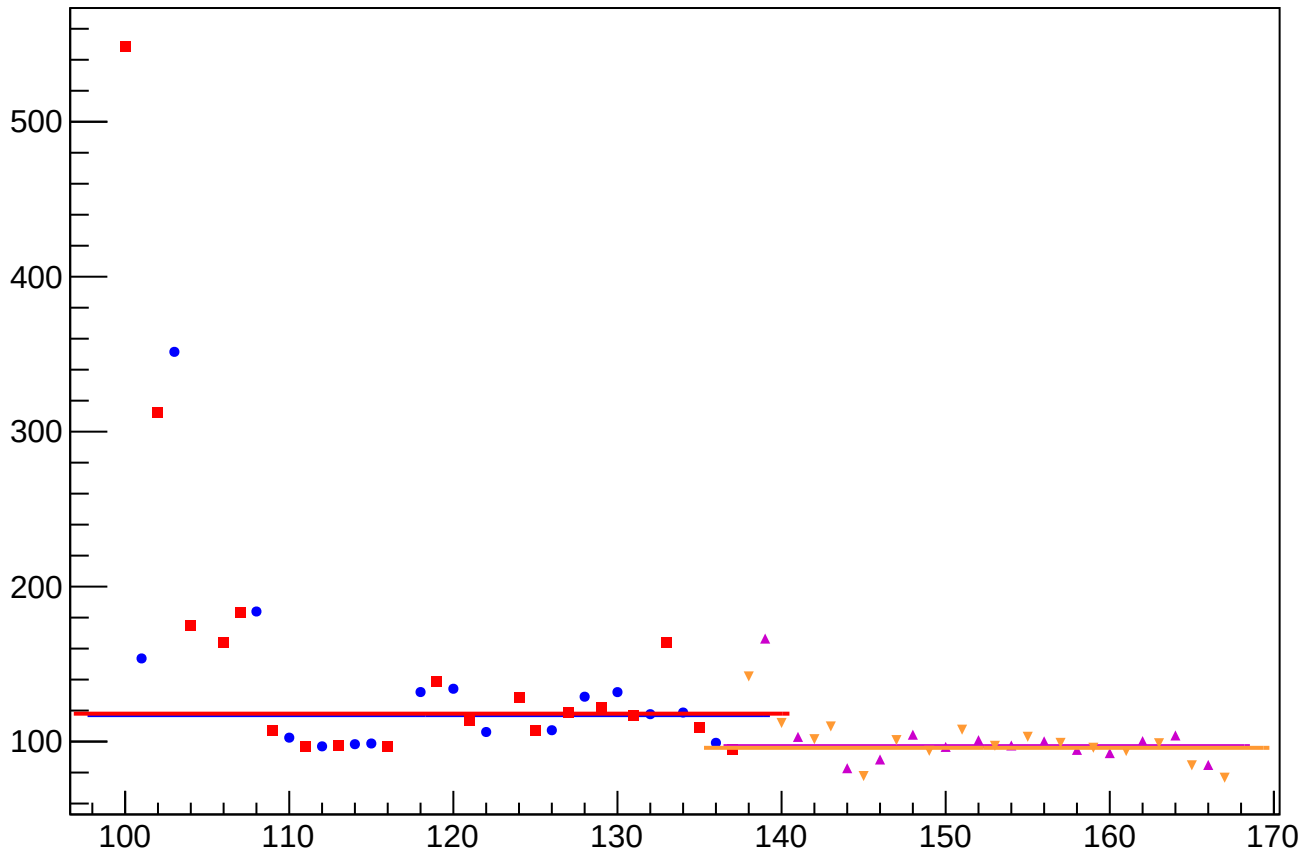
Left In: -46.029 ± 29.087 χ^2/NDF : 19.6/13

+ sign 16.446 ± 23.584 χ^2/NDF : 50.7/31

All: -22.225 ± 17.010 χ^2/NDF : 102.7/64

- sign -64.155 ± 24.558 χ^2/NDF : 46.3/32

cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 95.956 $\pm$ 0.019 χ^2 /NDF: 457995.4/15

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

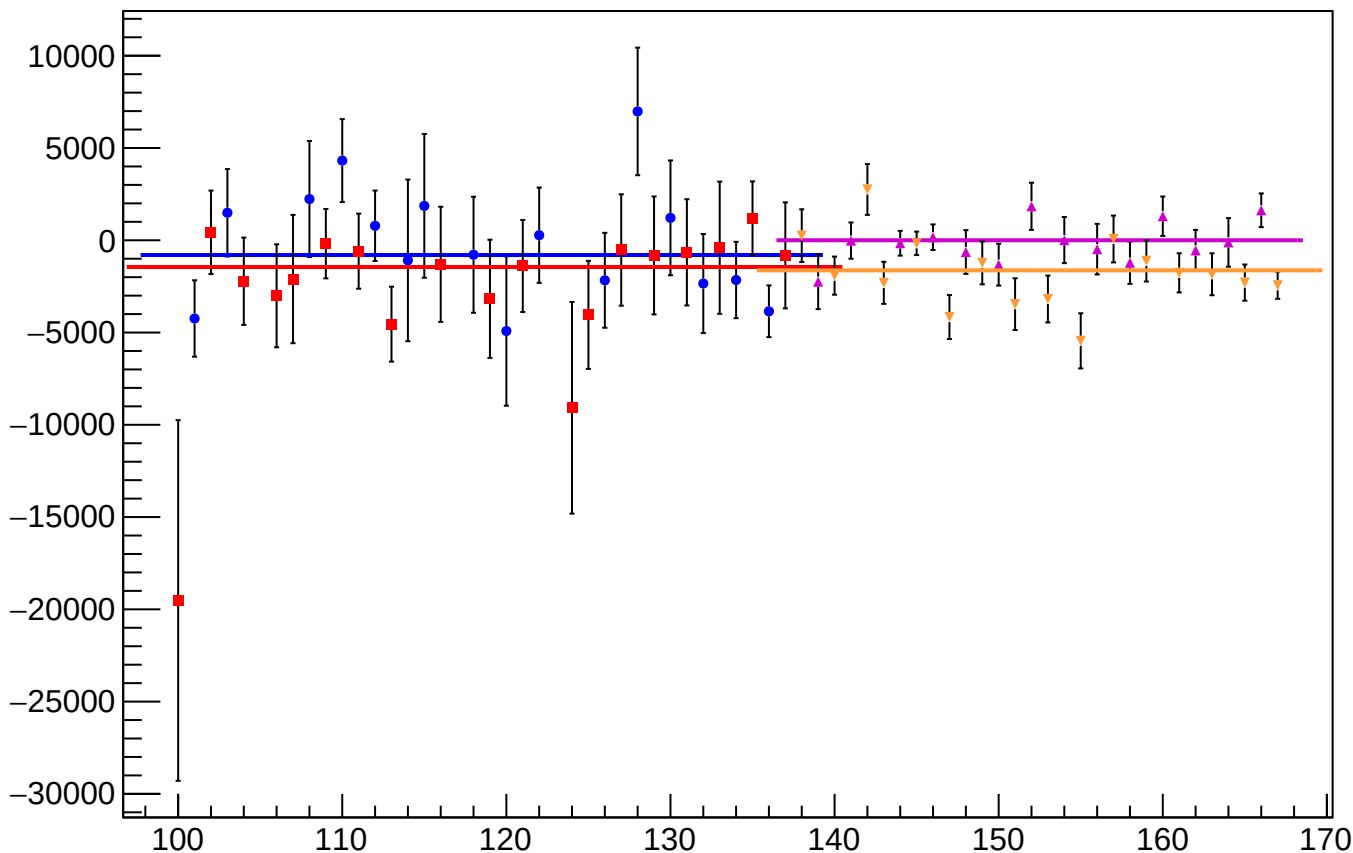
Left In: 97.054 $\pm$ 0.021 χ^2 /NDF: 411469.4/13

+ sign 101.576 $\pm$ 0.017 χ^2 /NDF: 1629365.8/31

All: 102.293 $\pm$ 0.012 χ^2 /NDF: 3329232.8/64

- sign 103.071 $\pm$ 0.017 χ^2 /NDF: 1696012.5/32

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116 ± 616.014 χ^2/NDF : 23.4/15

Left Out: -1630.661 ± 265.452 χ^2/NDF : 35.7/15

Right Out: -1448.433 ± 614.443 χ^2/NDF : 12.5/18

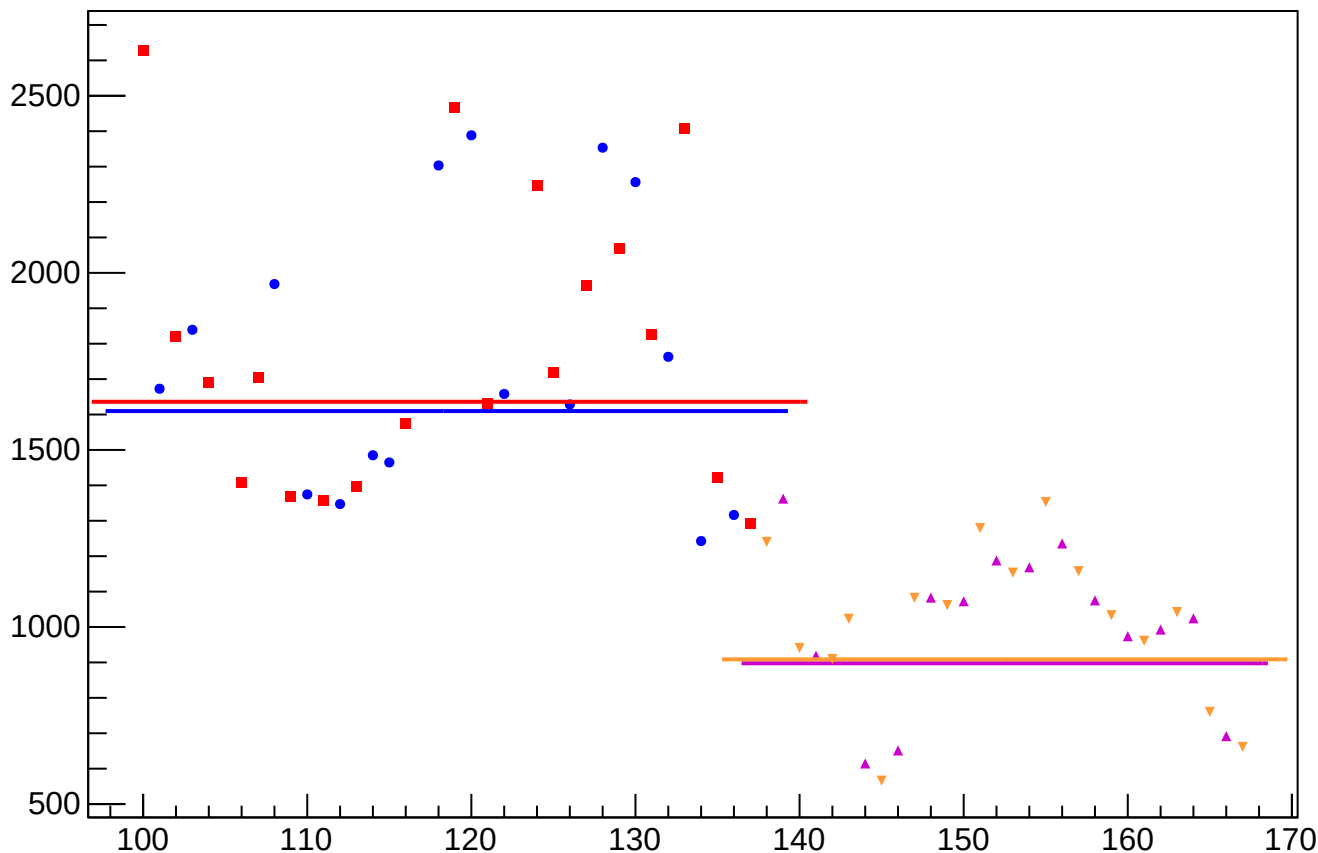
Left In: -0.016 ± 274.411 χ^2/NDF : 12.3/13

+ sign -1500.433 ± 243.781 χ^2/NDF : 60.7/31

All: -887.918 ± 174.726 χ^2/NDF : 103.0/64

- sign -240.868 ± 250.559 χ^2/NDF : 29.3/32

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF : 1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

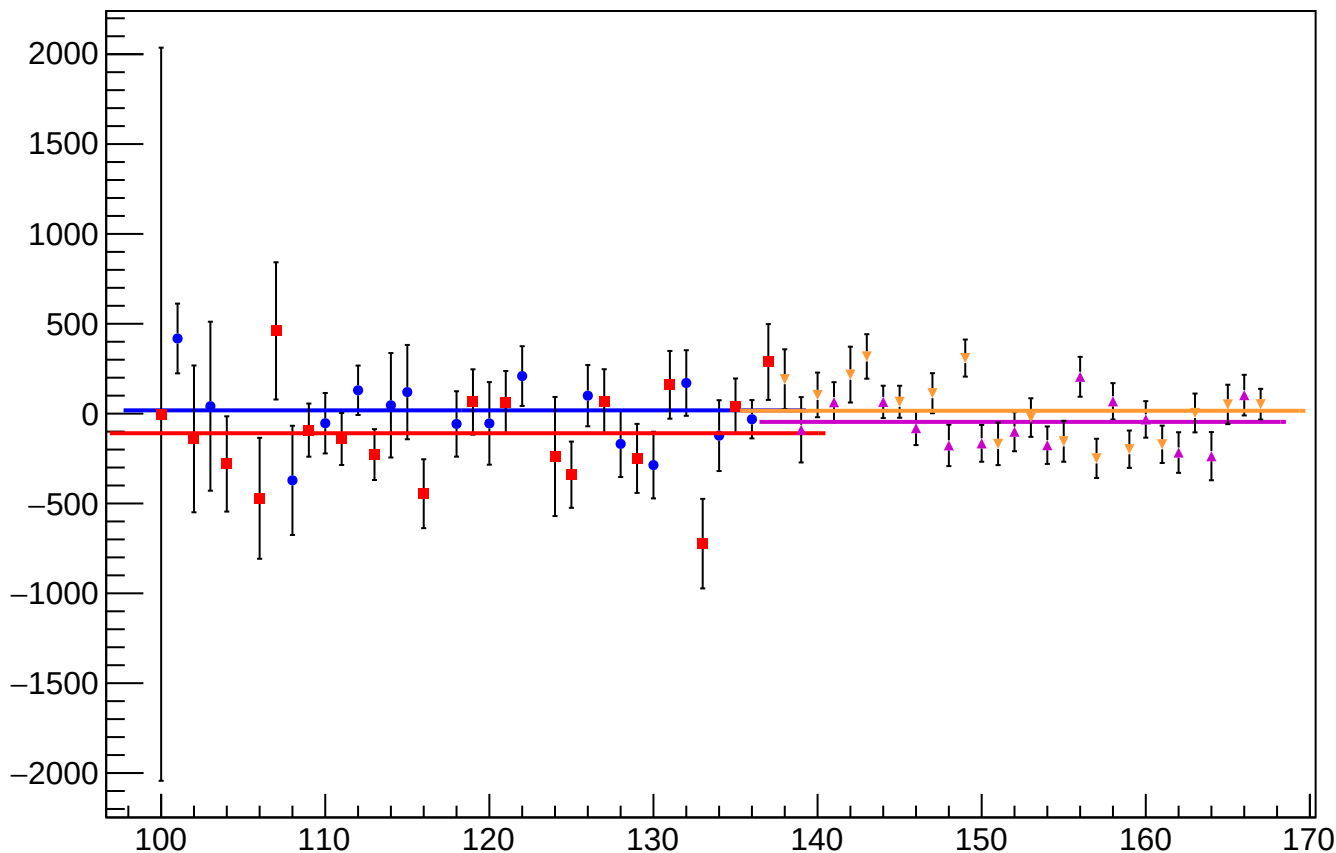
Left In: 897.524+/-0.194 χ^2/NDF : 1412507.9/13

+ sign 1018.484+/-0.172 χ^2/NDF : 4389374.2/31

All: 1019.382+/-0.124 χ^2/NDF : 8738603.3/64

- sign 1020.330+/-0.177 χ^2/NDF : 4349173.4/32

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191 ± 45.704 χ^2/NDF : 13.9/15

Left Out: 15.812 ± 27.533 χ^2/NDF : 36.9/15

Right Out: -109.151 ± 45.828 χ^2/NDF : 25.4/18

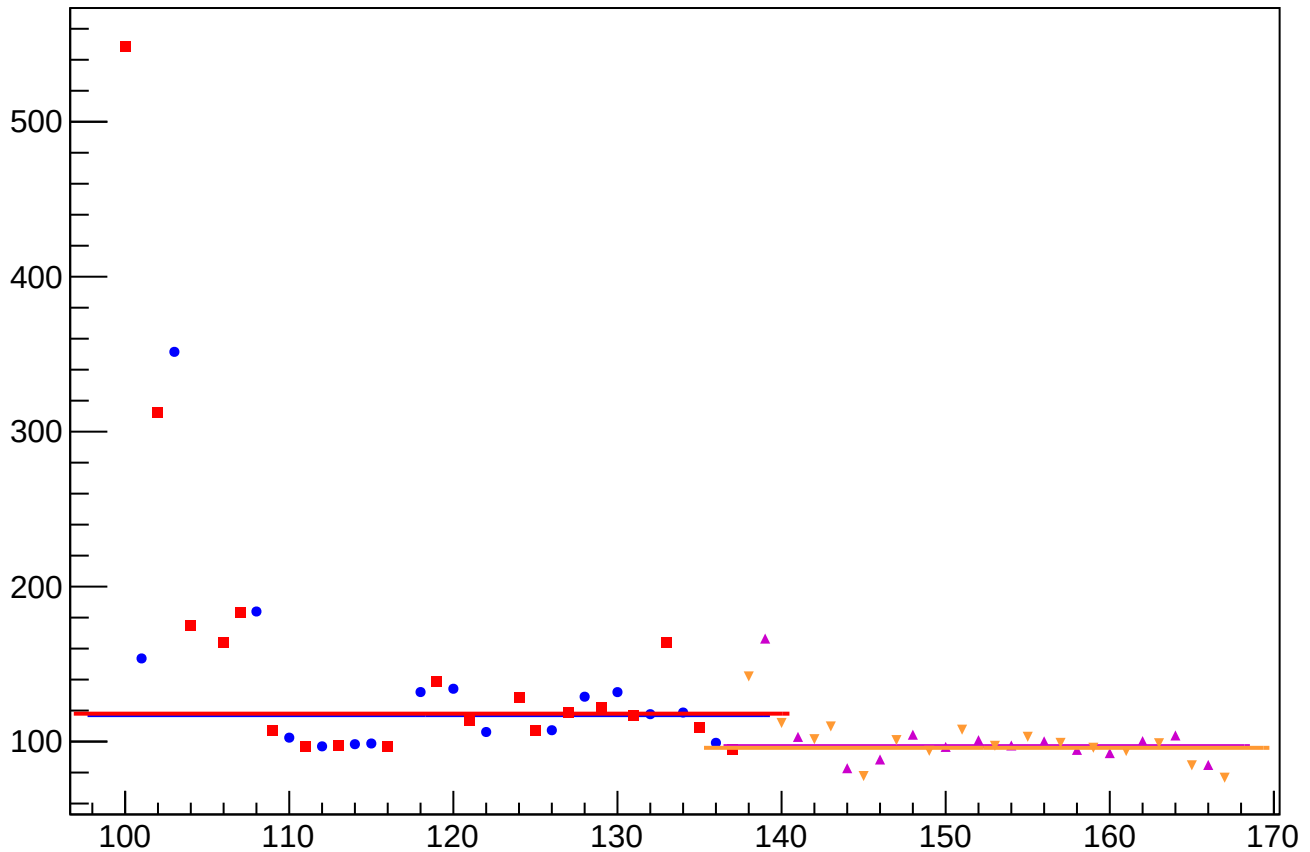
Left In: -46.029 ± 29.087 χ^2/NDF : 19.6/13

+ sign 16.446 ± 23.584 χ^2/NDF : 50.7/31

All: -22.225 ± 17.010 χ^2/NDF : 102.7/64

- sign -64.155 ± 24.558 χ^2/NDF : 46.3/32

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 95.956 $\pm$ 0.019 χ^2 /NDF:457995.4/15

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

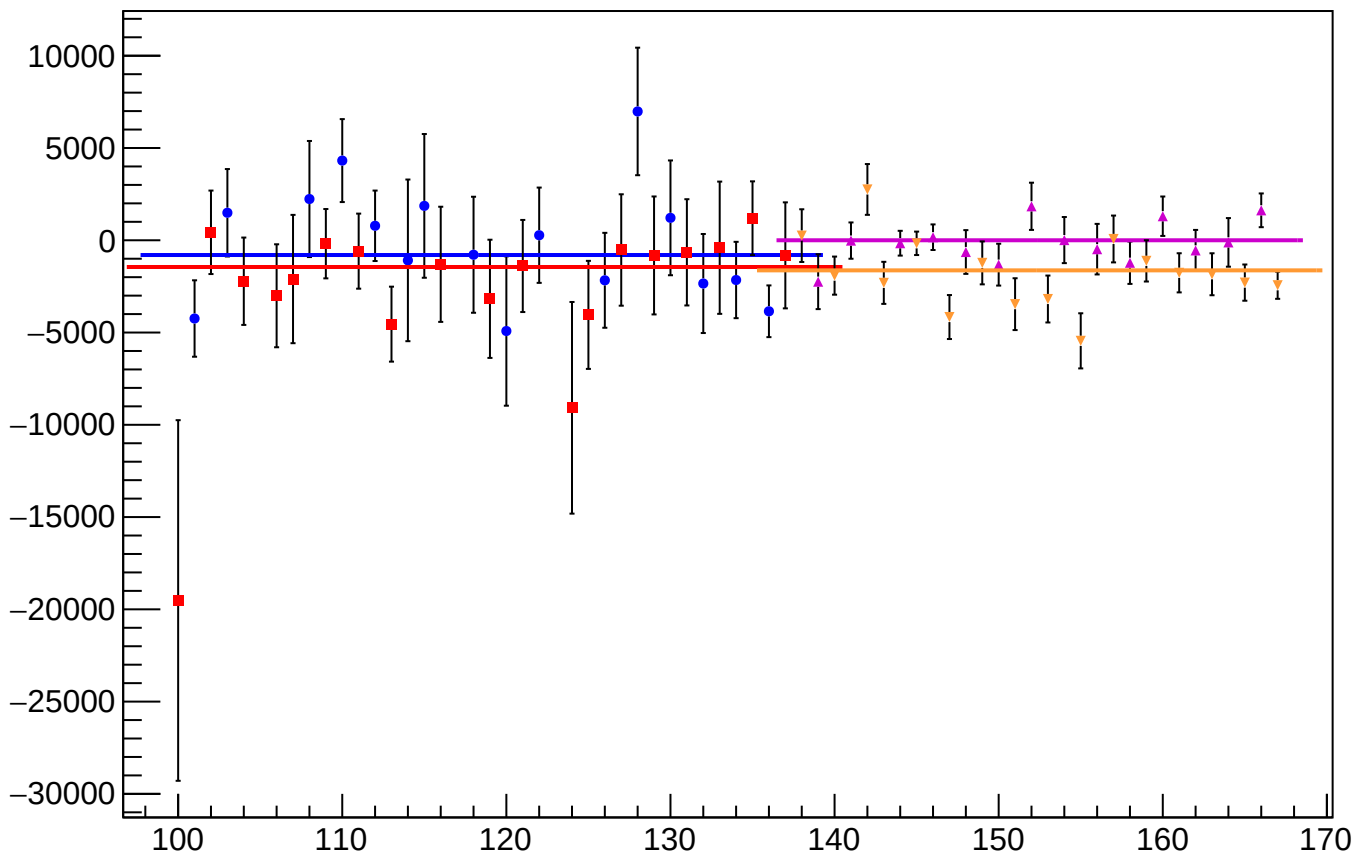
Left In: 97.054 $\pm$ 0.021 χ^2 /NDF:411469.4/13

+ sign 101.576 $\pm$ 0.017 χ^2 /NDF: 1629365.8/31

All: 102.293 $\pm$ 0.012 χ^2 /NDF: 3329232.8/64

- sign 103.071 $\pm$ 0.017 χ^2 /NDF: 1696012.5/32

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -799.116 $\pm$ 616.014 χ^2/NDF : 23.4/15

Left Out: -1630.661 $\pm$ 265.452 χ^2/NDF : 35.7/15

Right Out: -1448.433 $\pm$ 614.443 χ^2/NDF : 12.5/18

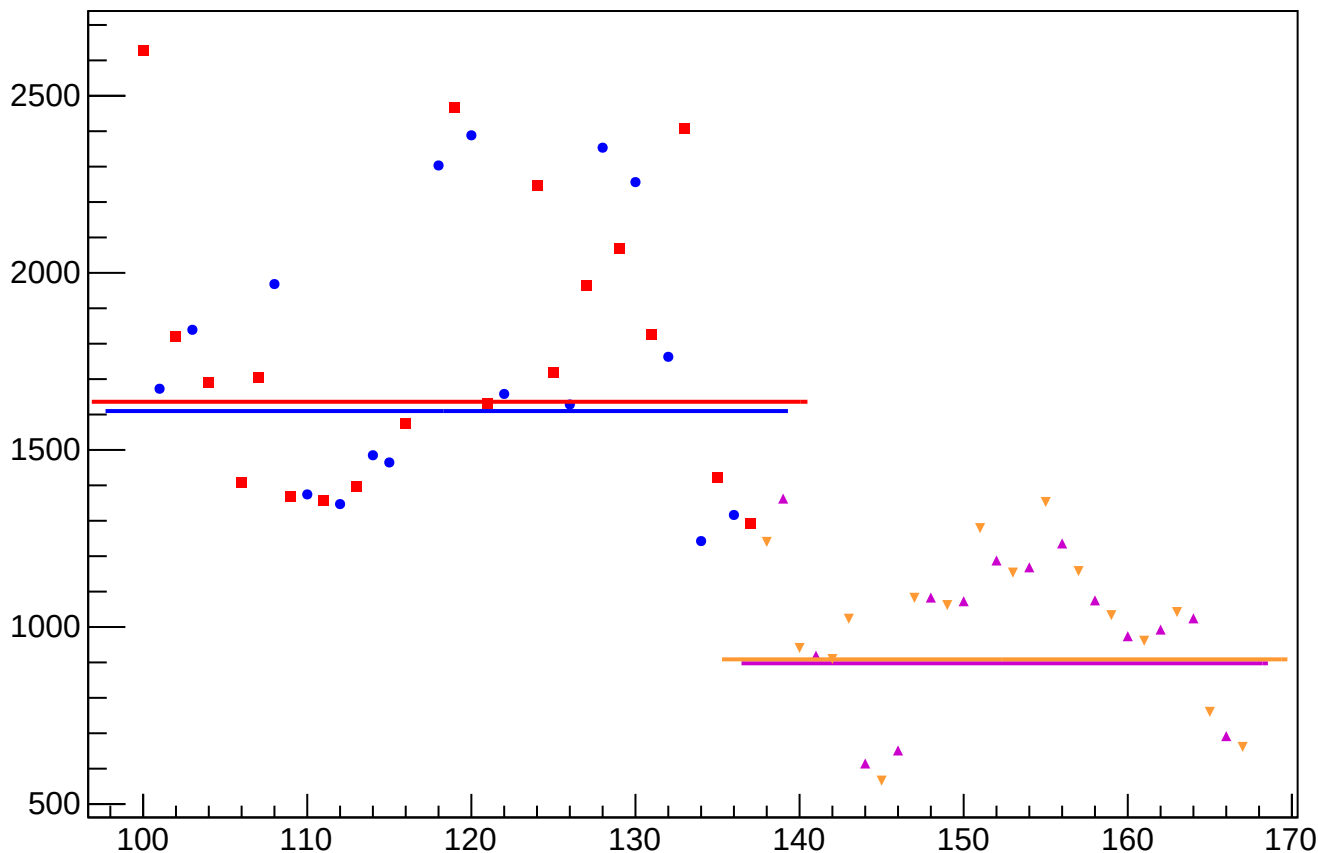
Left In: -0.016 $\pm$ 274.411 χ^2/NDF : 12.3/13

+ sign -1500.433 $\pm$ 243.781 χ^2/NDF : 60.7/31

All: -887.918 $\pm$ 174.726 χ^2/NDF : 103.0/64

- sign -240.868 $\pm$ 250.559 χ^2/NDF : 29.3/32

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791 ± 0.436 $\chi^2/\text{NDF}: 619158.3/15$

Left Out: 908.684 ± 0.188 $\chi^2/\text{NDF}: 1585238.7/15$

Right Out: 1636.046 ± 0.434 $\chi^2/\text{NDF}: 527809.9/18$

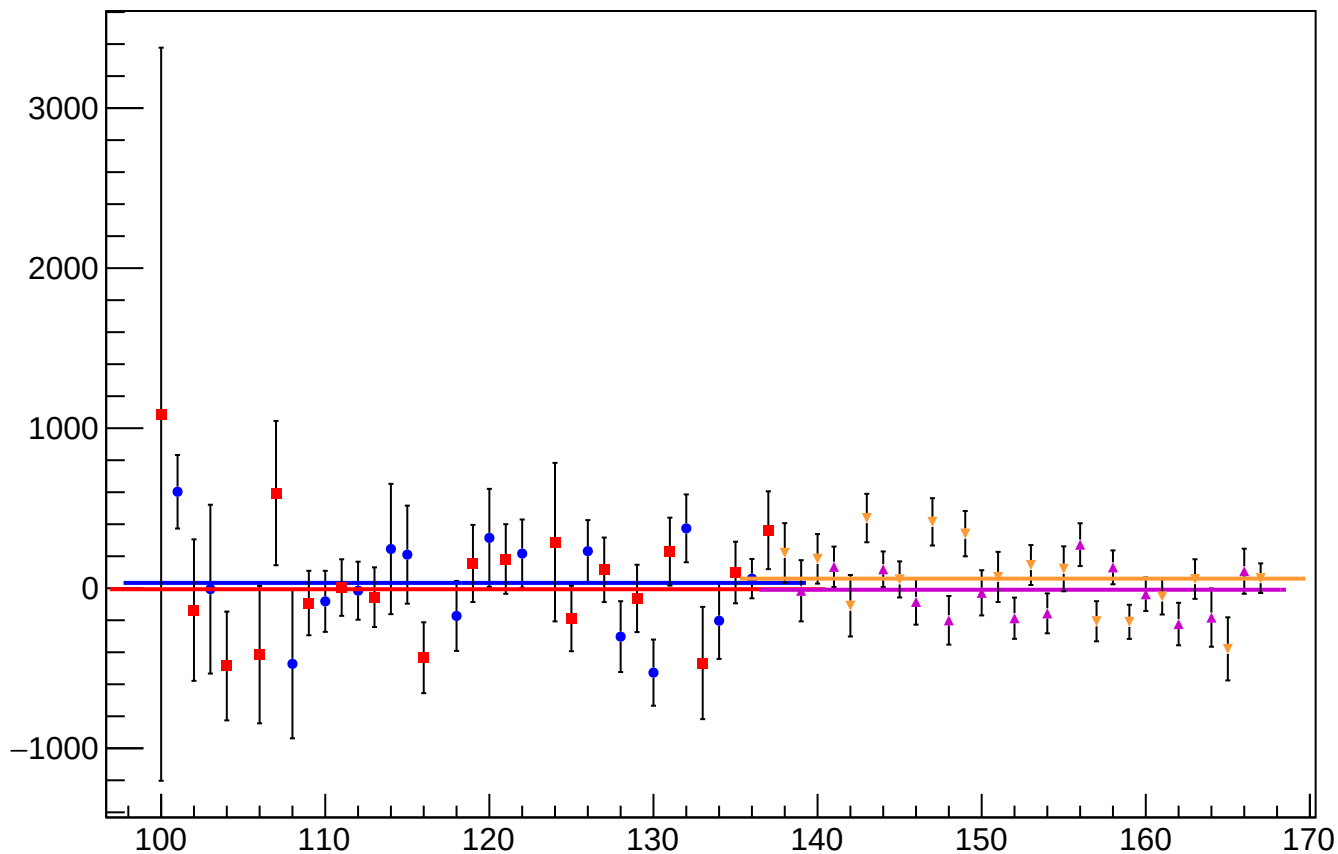
Left In: 897.524 ± 0.194 $\chi^2/\text{NDF}: 1412507.9/13$

+ sign 1018.484 ± 0.172 $\chi^2/\text{NDF}: 4389374.2/31$

All: 1019.382 ± 0.124 $\chi^2/\text{NDF}: 8738603.3/64$

- sign 1020.330 ± 0.177 $\chi^2/\text{NDF}: 4349173.4/32$

dit_asym_sam3_mean vs Slug



Right In: 33.471 ± 54.908 χ^2/NDF : 25.2/15

Left Out: 60.047 ± 33.148 χ^2/NDF : 35.7/15

Right Out: -6.107 ± 56.090 χ^2/NDF : 17.3/18

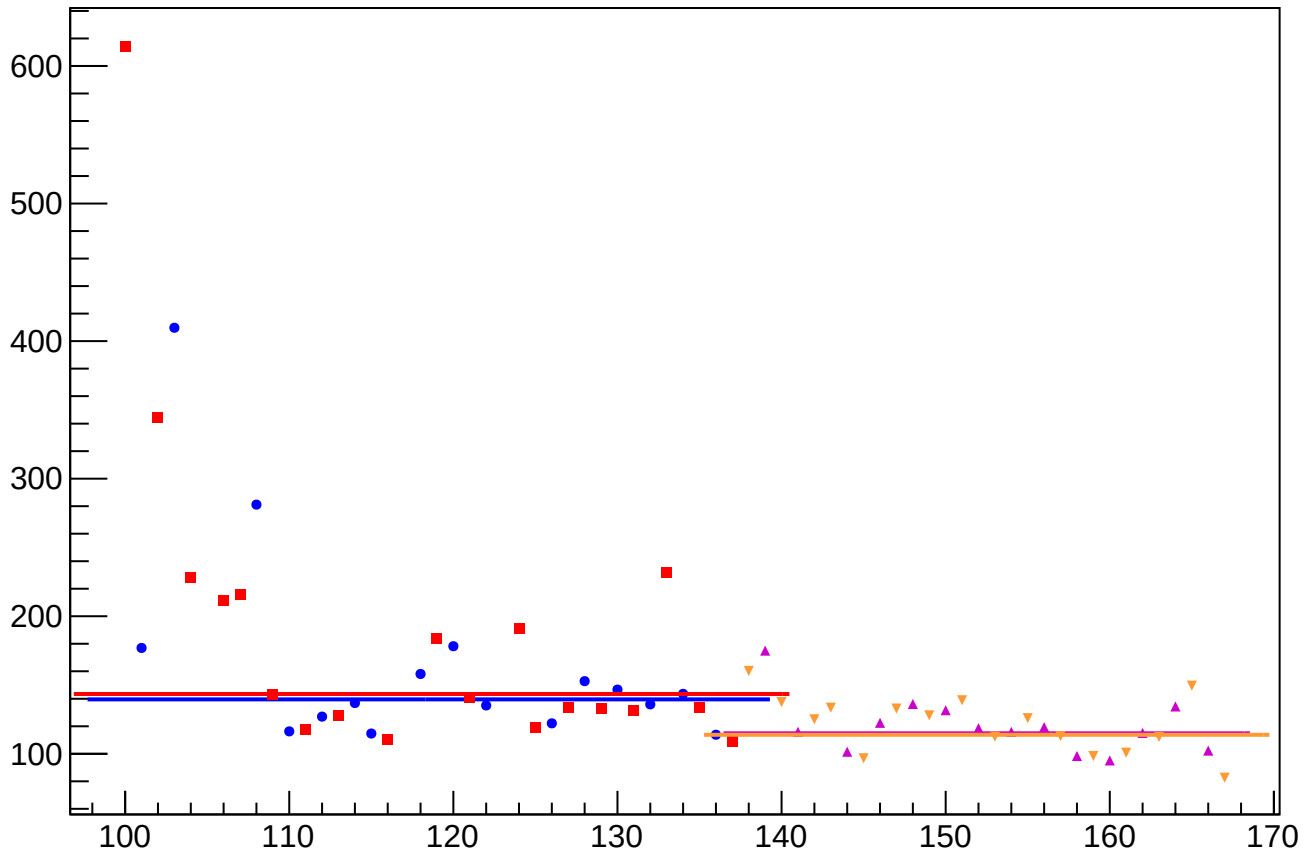
Left In: -9.372 ± 35.072 χ^2/NDF : 18.3/13

+ sign 52.948 ± 28.378 χ^2/NDF : 61.0/31

All: 23.682 ± 20.530 χ^2/NDF : 98.8/64

- sign -8.455 ± 29.737 χ^2/NDF : 35.6/32

dit_asym_sam3_rms vs Slug



Right In: 139.566 ± 0.039 χ^2/NDF : 976734.6/15

Left Out: 113.817 ± 0.023 χ^2/NDF : 739801.5/15

Right Out: 143.479 ± 0.040 χ^2/NDF : 1116671.9/18

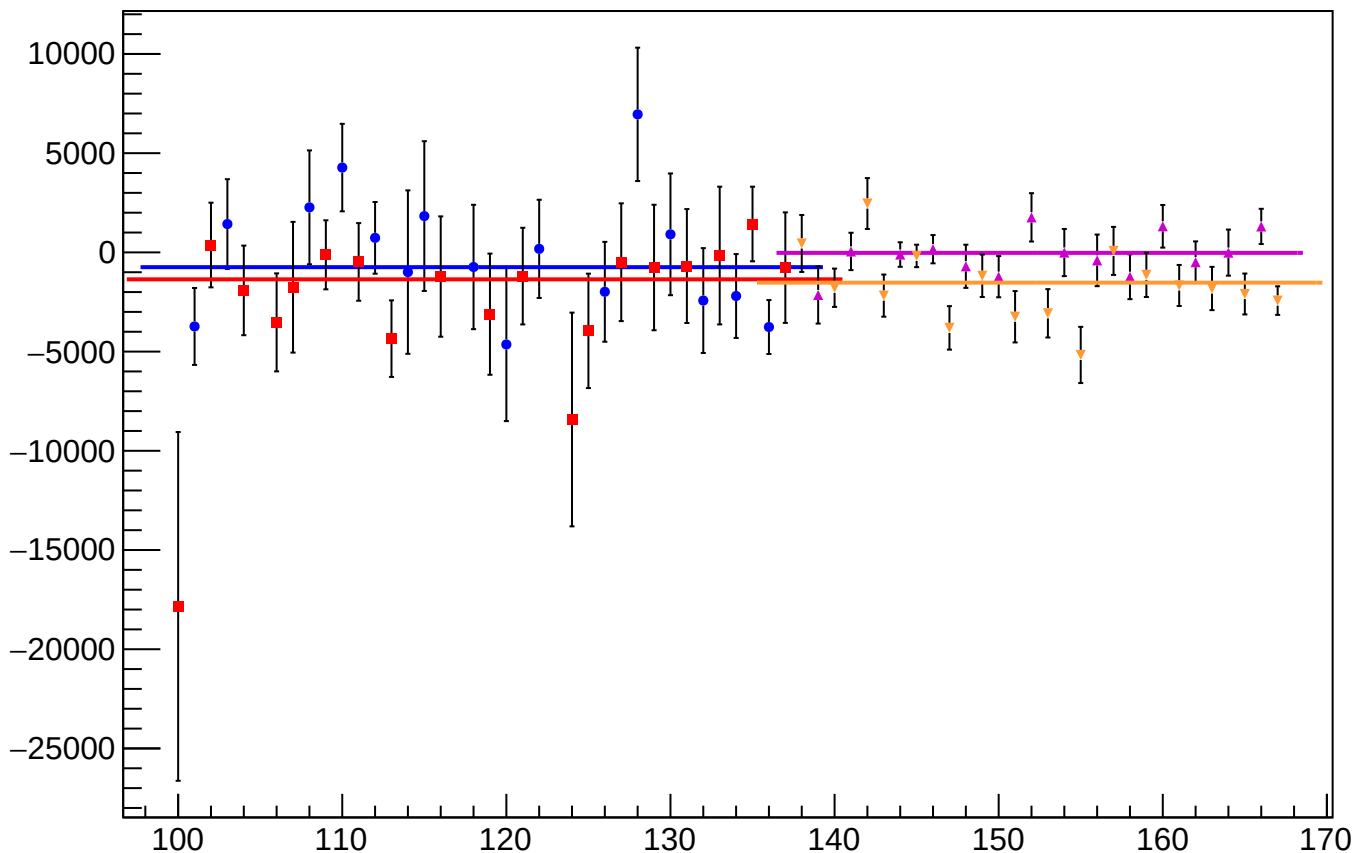
Left In: 114.907 ± 0.025 χ^2/NDF : 463495.7/13

+ sign 120.695 ± 0.020 χ^2/NDF : 2038886.2/31

All: 121.764 ± 0.015 χ^2/NDF : 3998118.9/64

- sign 122.938 ± 0.021 χ^2/NDF : 1953279.3/32

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681 ± 595.810 χ^2/NDF : 23.5/15

Left Out: -1525.464 ± 251.716 χ^2/NDF : 36.0/15

Right Out: -1357.874 ± 585.808 χ^2/NDF : 13.5/18

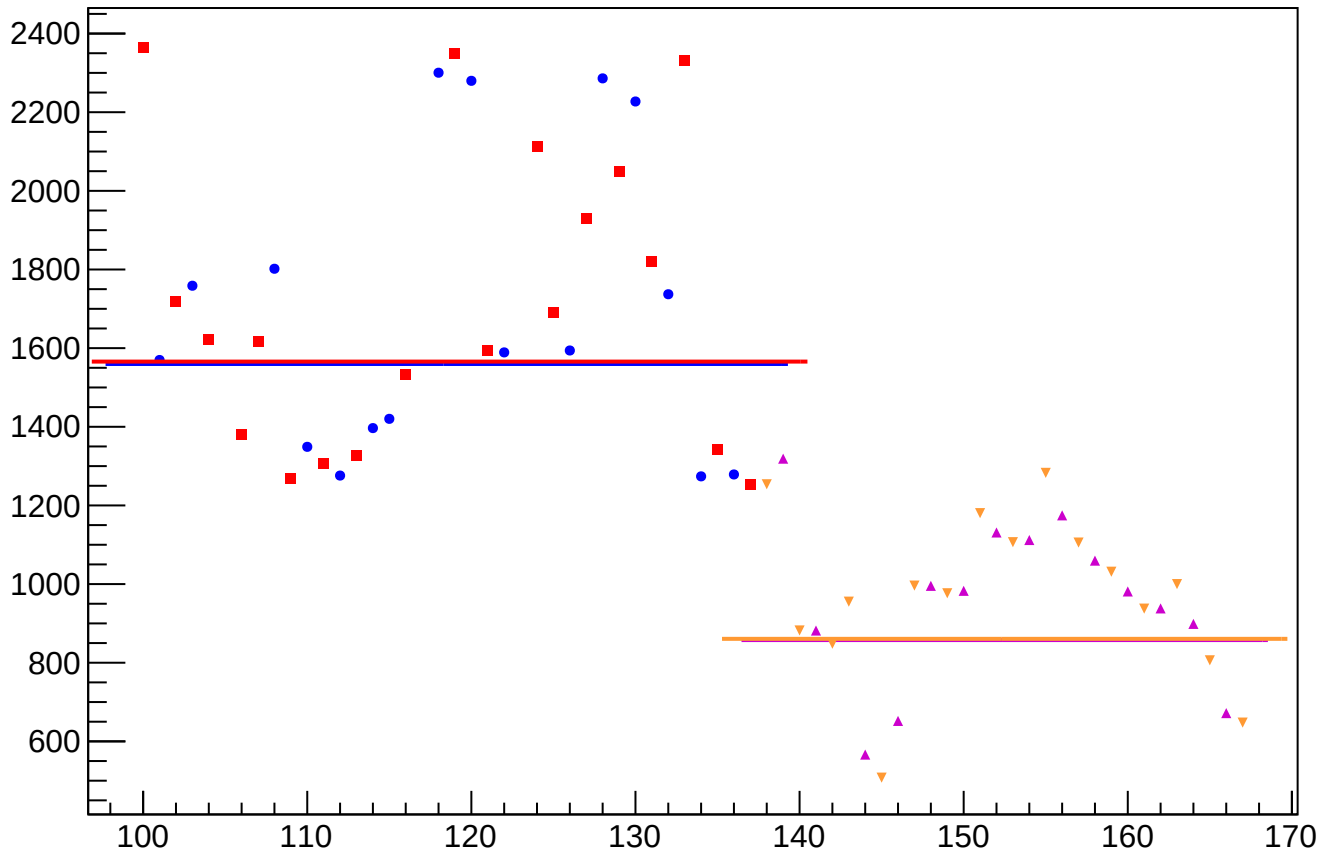
Left In: -24.381 ± 262.485 χ^2/NDF : 11.4/13

+ sign -1407.212 ± 231.872 χ^2/NDF : 60.9/31

All: -846.134 ± 166.602 χ^2/NDF : 102.2/64

- sign -247.342 ± 239.538 χ^2/NDF : 29.2/32

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735 $\pm$ 0.421 χ^2 /NDF: 604209.5/15

Left Out: 860.742 $\pm$ 0.178 χ^2 /NDF: 1732687.4/15

Right Out: 1565.808 $\pm$ 0.414 χ^2 /NDF: 563847.8/18

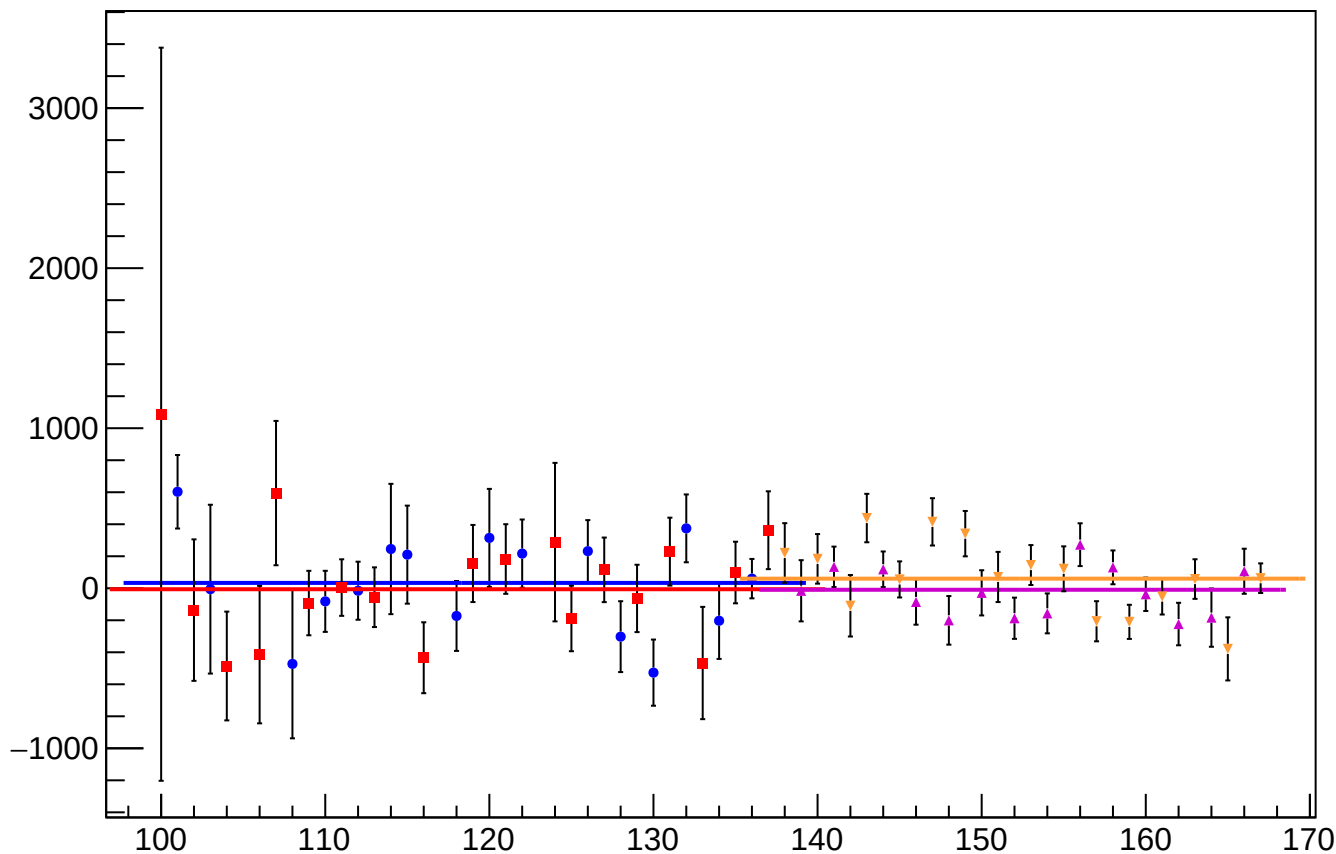
Left In: 857.631 $\pm$ 0.186 χ^2 /NDF: 1381992.8/13

+ sign 966.607 $\pm$ 0.164 χ^2 /NDF: 4672703.3/31

All: 971.169 $\pm$ 0.118 χ^2 /NDF: 9054273.3/64

- sign 976.038 $\pm$ 0.169 χ^2 /NDF: 4379969.3/32

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469 ± 54.908 χ^2/NDF : 25.2/15

Left Out: 60.049 ± 33.148 χ^2/NDF : 35.7/15

Right Out: -6.103 ± 56.090 χ^2/NDF : 17.3/18

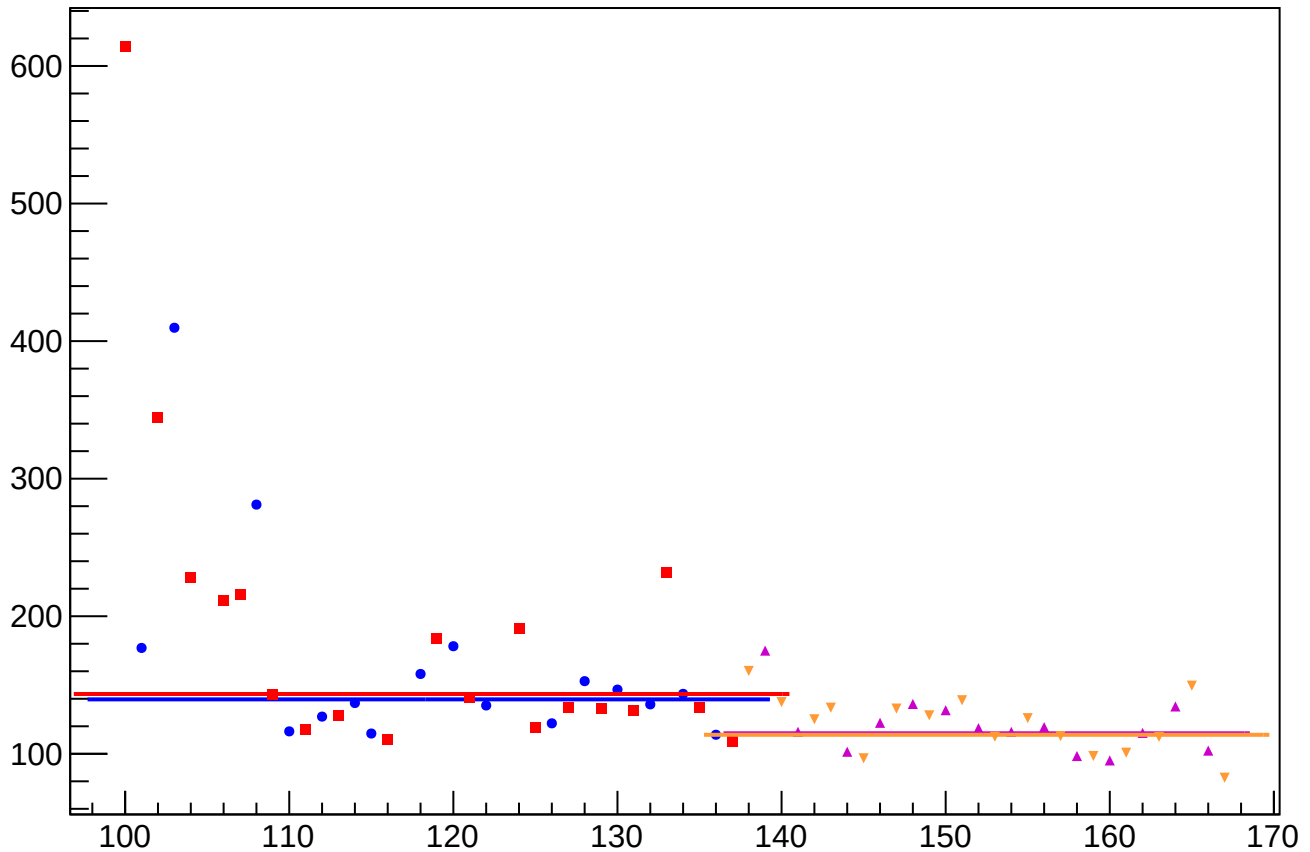
Left In: -9.371 ± 35.072 χ^2/NDF : 18.3/13

+ sign 52.950 ± 28.378 χ^2/NDF : 61.0/31

All: 23.684 ± 20.530 χ^2/NDF : 98.8/64

- sign -8.452 ± 29.737 χ^2/NDF : 35.6/32

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567 ± 0.039 χ^2/NDF : 976737.0/15

Left Out: 113.818 ± 0.023 χ^2/NDF : 739818.9/15

Right Out: 143.480 ± 0.040 χ^2/NDF : 1116678.4/18

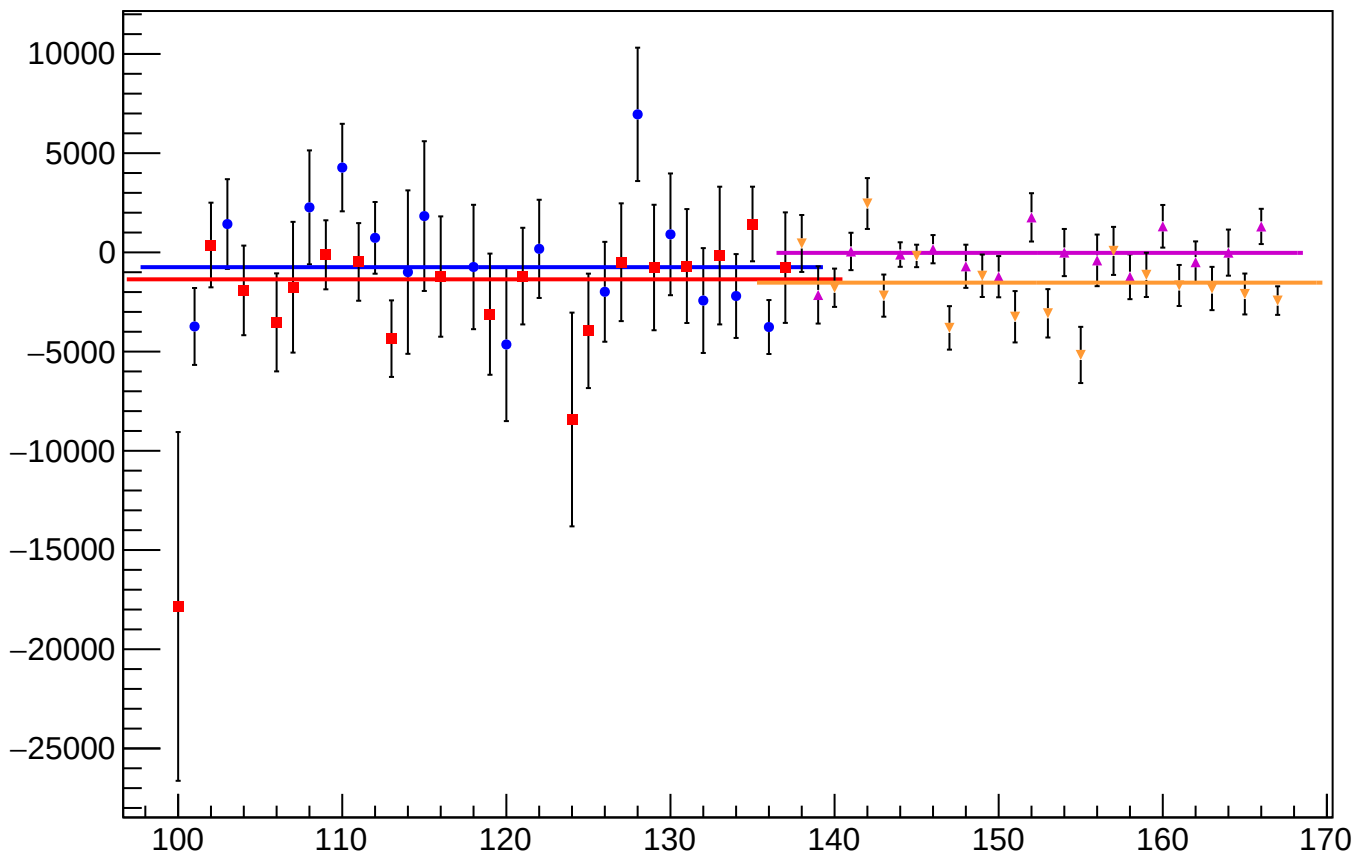
Left In: 114.907 ± 0.025 χ^2/NDF : 463505.9/13

+ sign 120.696 ± 0.020 χ^2/NDF : 2038900.0/31

All: 121.765 ± 0.015 χ^2/NDF : 3998148.2/64

- sign 122.938 ± 0.021 χ^2/NDF : 1953294.8/32

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678 $\pm$ 595.809 χ^2/NDF : 23.5/15

Left Out: -1525.464 $\pm$ 251.715 χ^2/NDF : 36.0/15

Right Out: -1357.874 $\pm$ 585.807 χ^2/NDF : 13.5/18

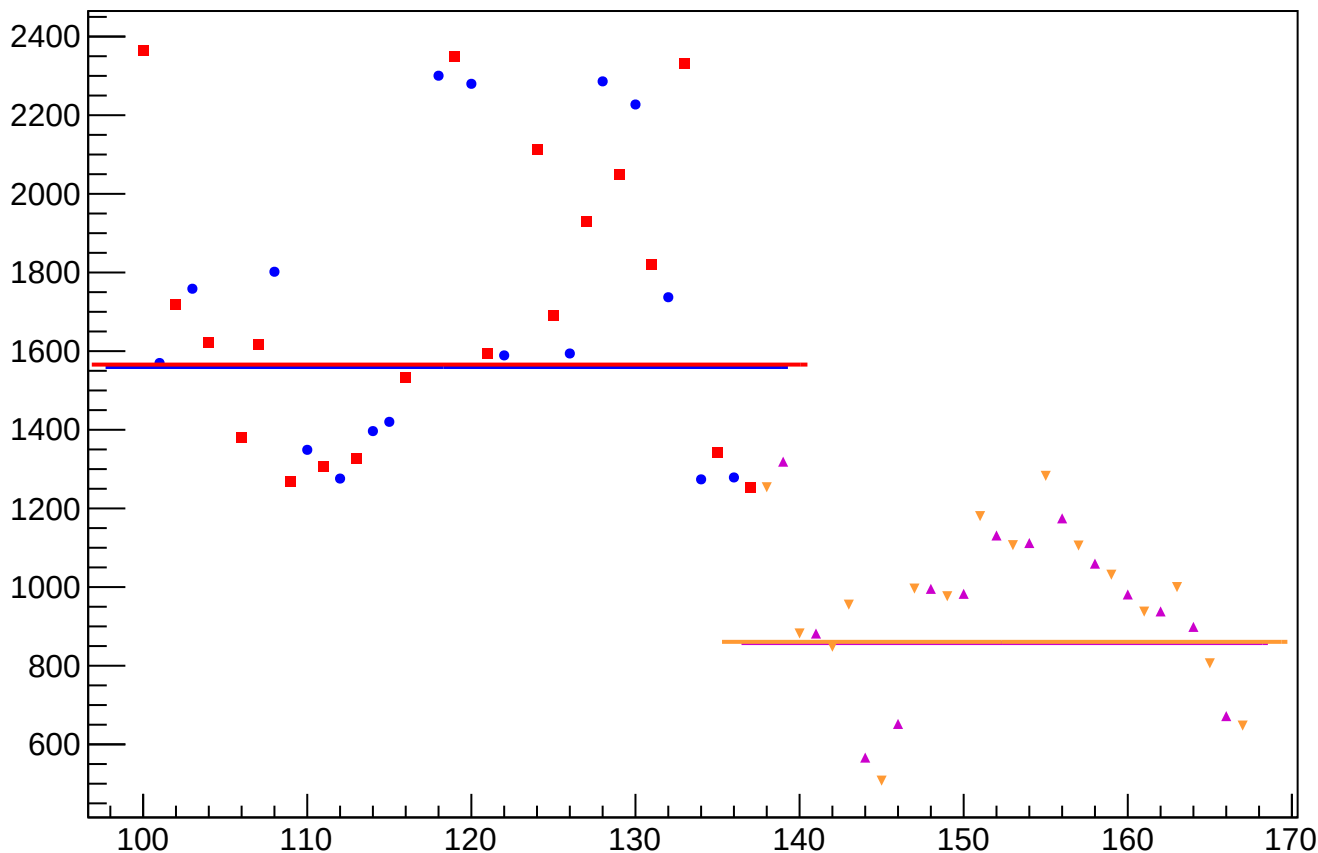
Left In: -24.380 $\pm$ 262.484 χ^2/NDF : 11.4/13

+ sign -1407.211 $\pm$ 231.871 χ^2/NDF : 60.9/31

All: -846.133 $\pm$ 166.602 χ^2/NDF : 102.2/64

- sign -247.341 $\pm$ 239.538 χ^2/NDF : 29.2/32

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734 $\pm$ 0.421 χ^2 /NDF: 604209.8/15

Left Out: 860.741 $\pm$ 0.178 χ^2 /NDF: 1732683.4/15

Right Out: 1565.806 $\pm$ 0.414 χ^2 /NDF: 563845.7/18

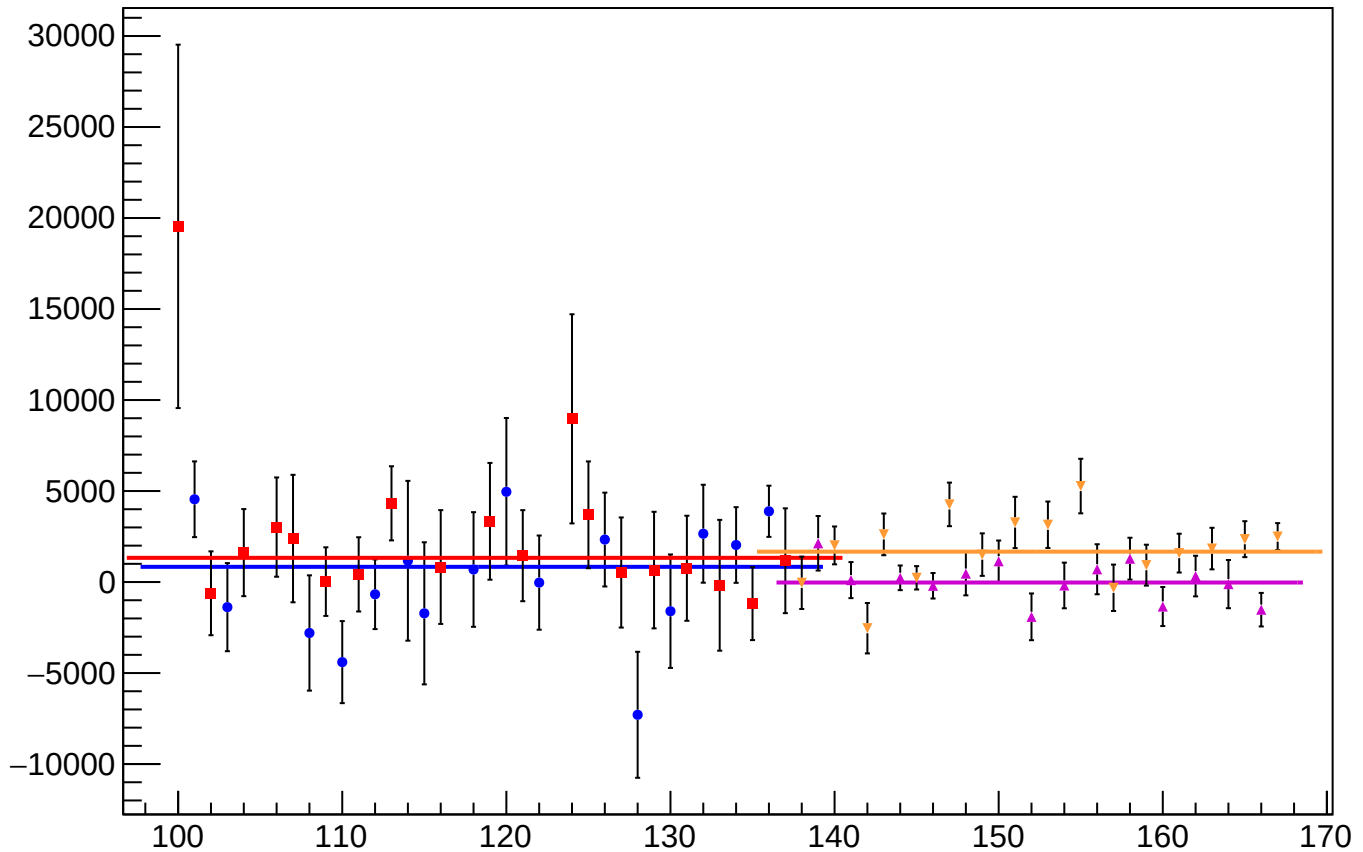
Left In: 857.630 $\pm$ 0.186 χ^2 /NDF: 1381989.4/13

+ sign 966.606 $\pm$ 0.164 χ^2 /NDF: 4672700.1/31

All: 971.168 $\pm$ 0.118 χ^2 /NDF: 9054263.3/64

- sign 976.037 $\pm$ 0.169 χ^2 /NDF: 4379962.4/32

asym_sam3_mean vs Slug



Right In: 835.496 ± 618.780 χ^2/NDF : 24.9/15

Left Out: 1669.974 ± 267.117 χ^2/NDF : 34.2/15

Right Out: 1329.538 ± 616.428 χ^2/NDF : 12.1/18

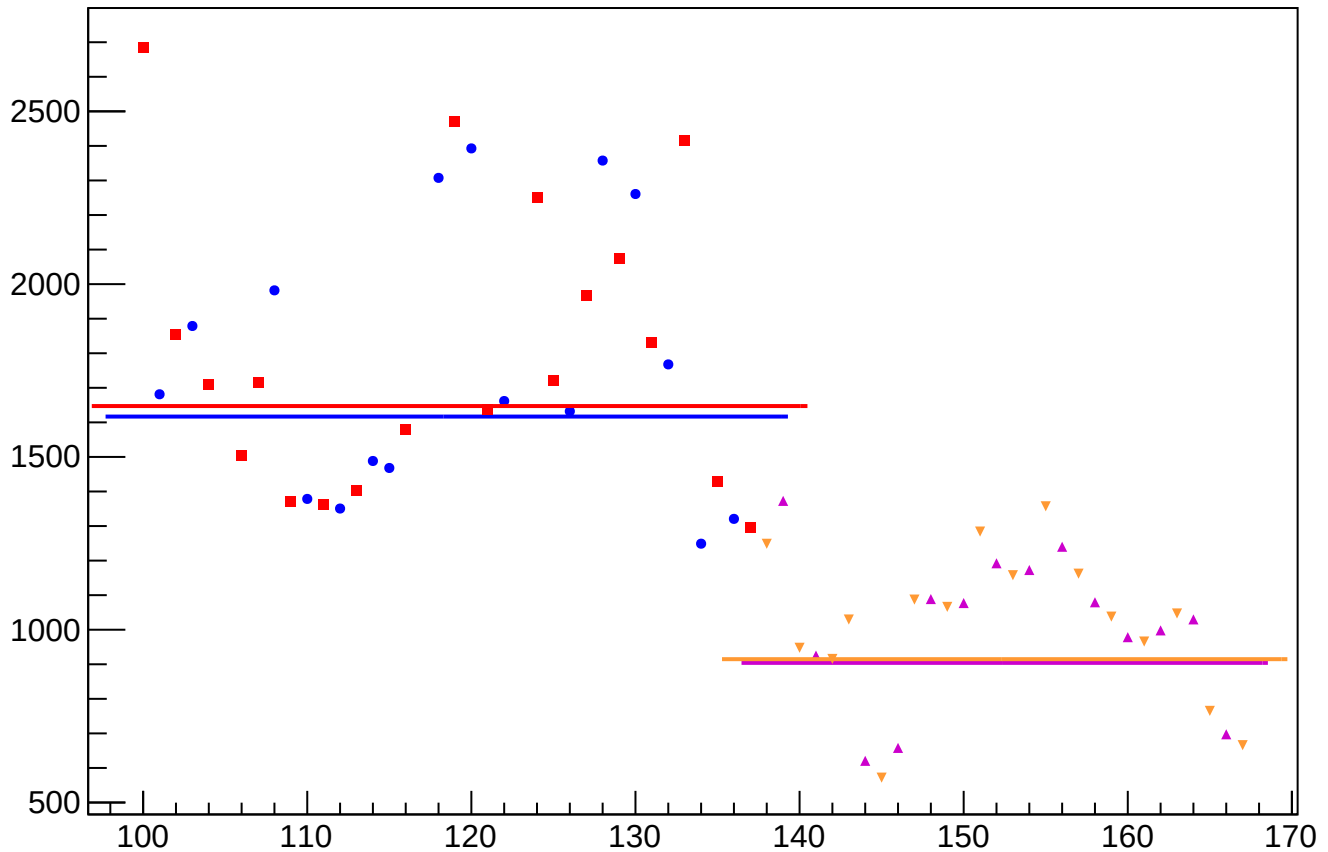
Left In: -26.605 ± 276.262 χ^2/NDF : 11.5/13

+ sign 1538.895 ± 245.242 χ^2/NDF : 60.6/31

All: 888.021 ± 175.788 χ^2/NDF : 102.8/64

- sign 200.222 ± 252.102 χ^2/NDF : 27.7/32

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF : 622271.0/15

Left Out: 914.788+/-0.189 χ^2/NDF : 1562133.6/15

Right Out: 1647.227+/-0.436 χ^2/NDF : 523860.9/18

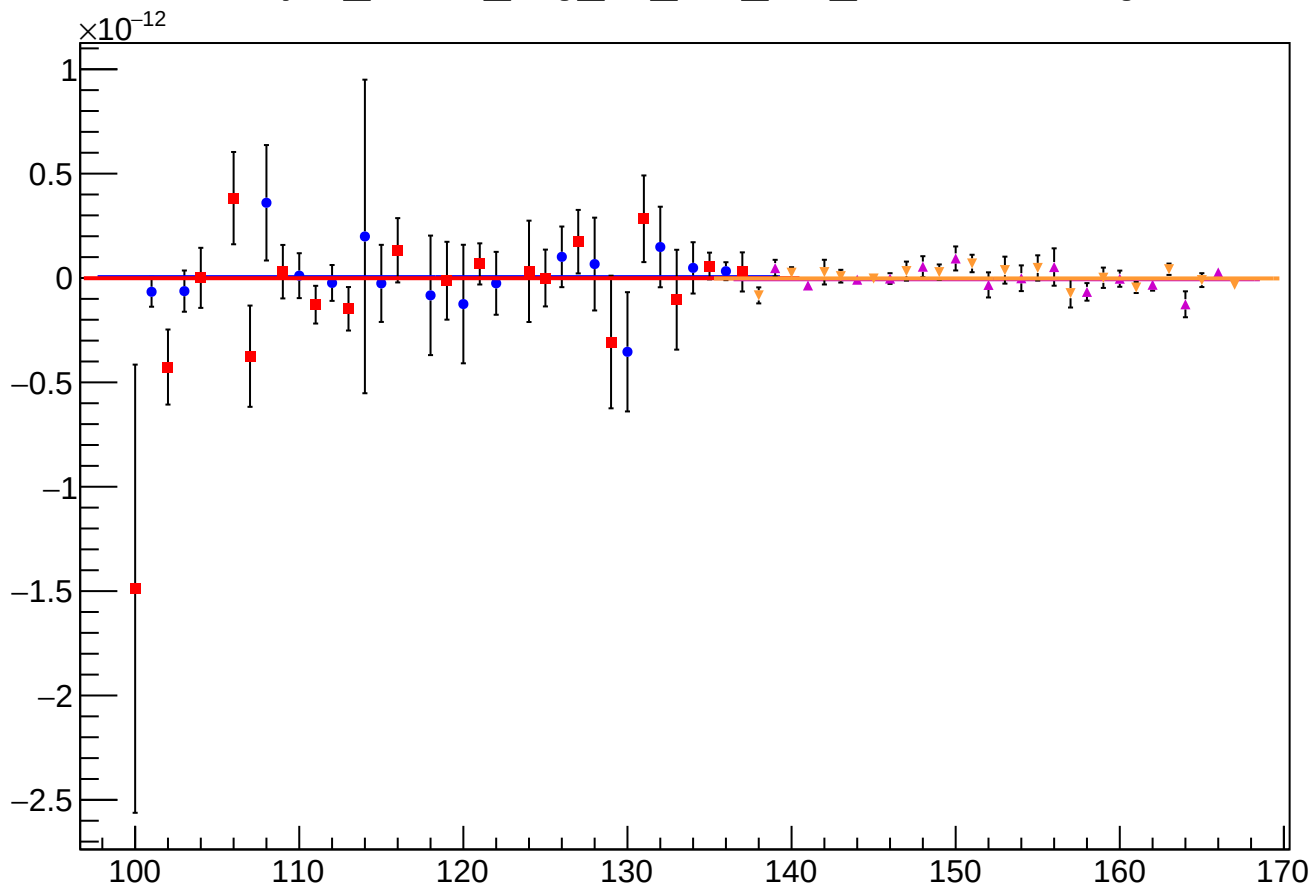
Left In: 904.092+/-0.195 χ^2/NDF : 1388423.6/13

+ sign 1025.059+/-0.173 χ^2/NDF : 4354298.5/31

All: 1026.678+/-0.124 χ^2/NDF : 8687296.2/64

- sign 1028.388+/-0.178 χ^2/NDF : 4332818.5/32

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6.9/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 20.1/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.4/18

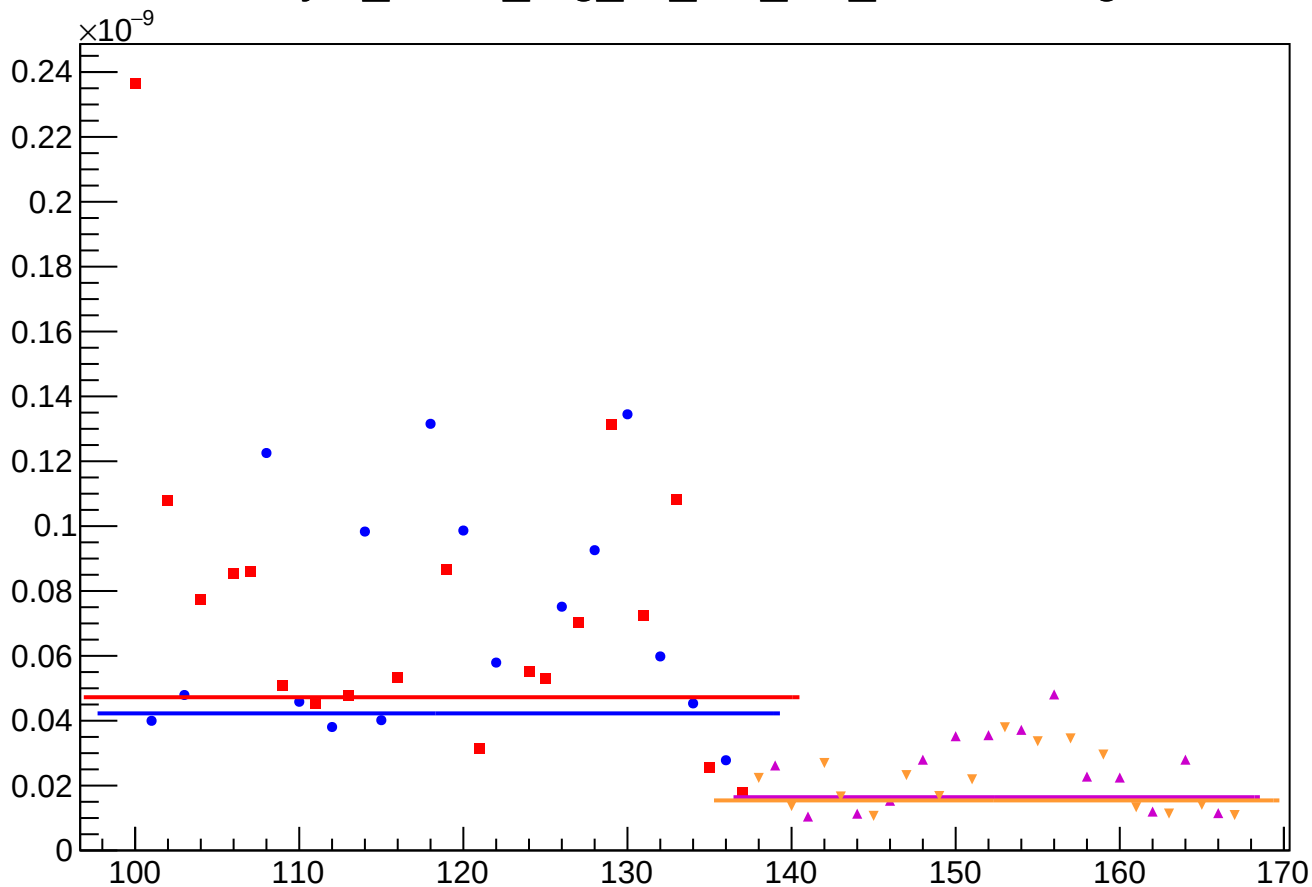
Left In: -0.000 ± 0.000 χ^2/NDF : 17.0/13

+ sign -0.000 ± 0.000 χ^2/NDF : 27.0/31

All: -0.000 ± 0.000 χ^2/NDF : 67.6/64

- sign -0.000 ± 0.000 χ^2/NDF : 40.5/32

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 : 1311092.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1410595.6/18

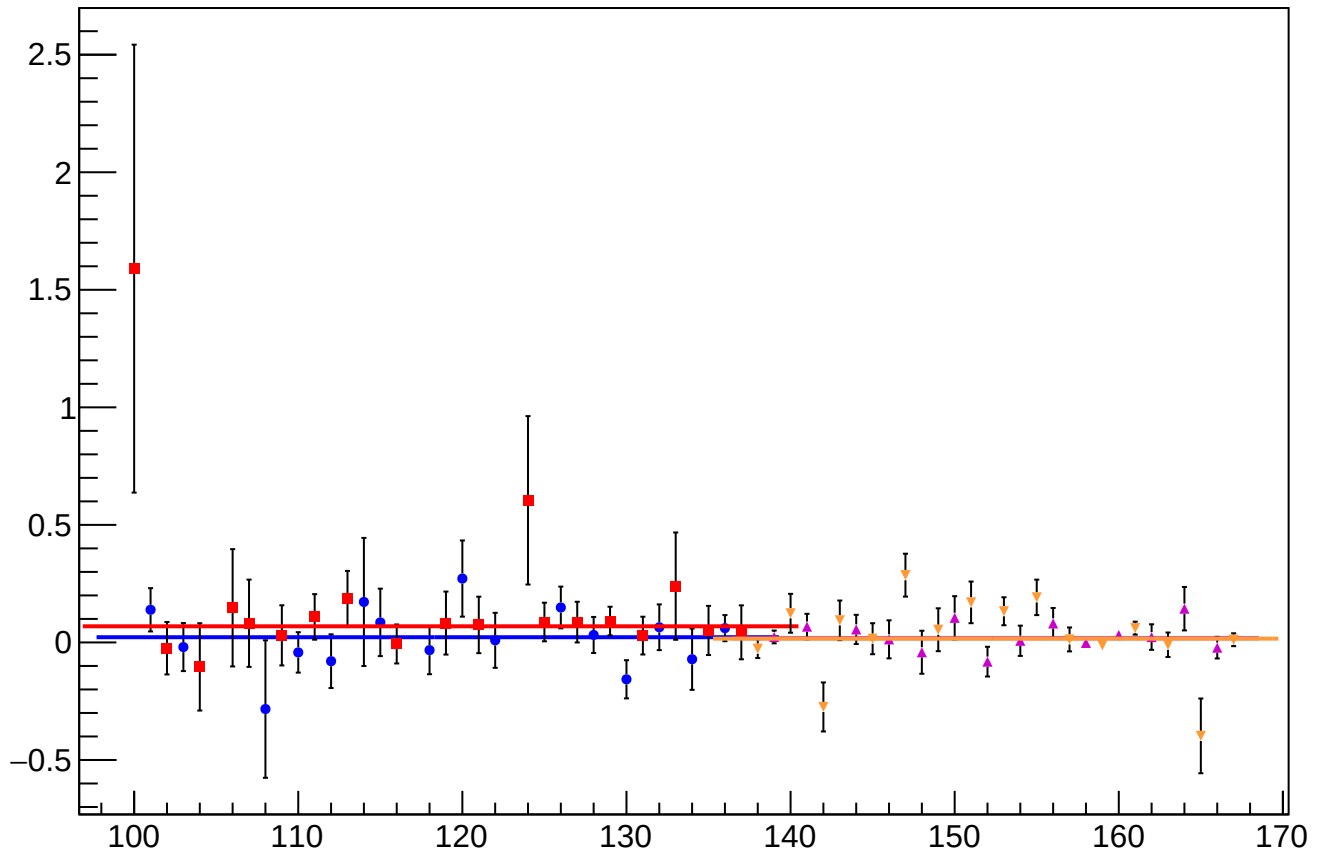
Left In: 0.000+/-0.000 χ^2/NDF : 1707700.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 4245886.6/31

All: 0.000+/-0.000 χ^2/NDF : 9297704.8/64

- sign 0.000+/-0.000 χ^2/NDF : 5027049.8/32

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.025 χ^2 /NDF: 15.5/15

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF: 45.7/15

Right Out: 0.069 $\pm$ 0.025 χ^2 /NDF: 9.6/18

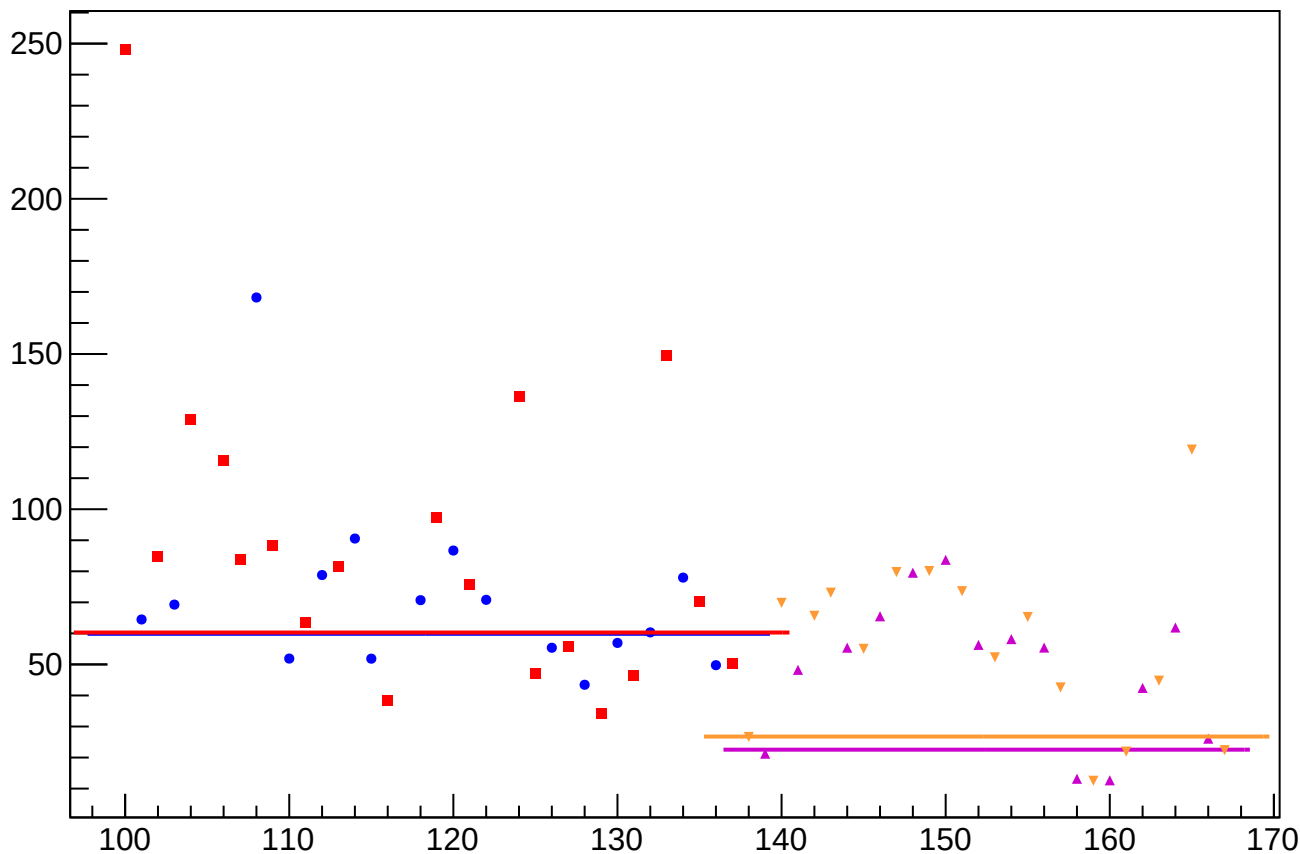
Left In: 0.018 $\pm$ 0.009 χ^2 /NDF: 10.8/13

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 61.2/31

All: 0.021 $\pm$ 0.006 χ^2 /NDF: 85.5/64

- sign 0.024 $\pm$ 0.009 χ^2 /NDF: 24.0/32

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 0.017 χ^2 /NDF: 698954.5/15

Left Out: 26.766 $\pm$ 0.007 χ^2 /NDF: 7520779.0/15

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

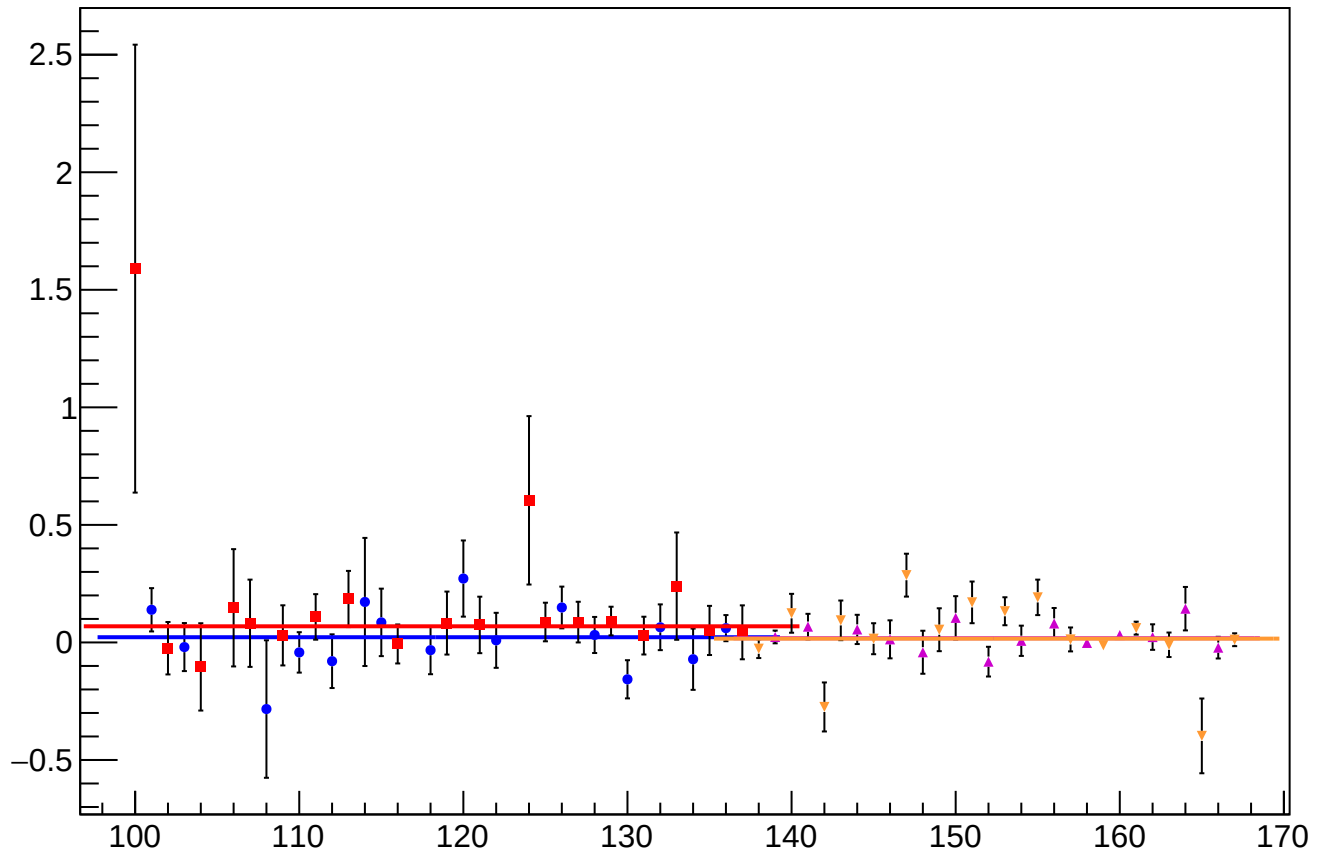
Left In: 22.537 $\pm$ 0.007 χ^2 /NDF: 6977469.3/13

+ sign 31.560 $\pm$ 0.007 χ^2 /NDF: 11297797.3/31

All: 29.110 $\pm$ 0.005 χ^2 /NDF: 24435869.0/64

- sign 27.007 $\pm$ 0.006 χ^2 /NDF: 12885019.8/32

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.025 χ^2 /NDF: 15.5/15

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF: 45.7/15

Right Out: 0.069 $\pm$ 0.025 χ^2 /NDF: 9.6/18

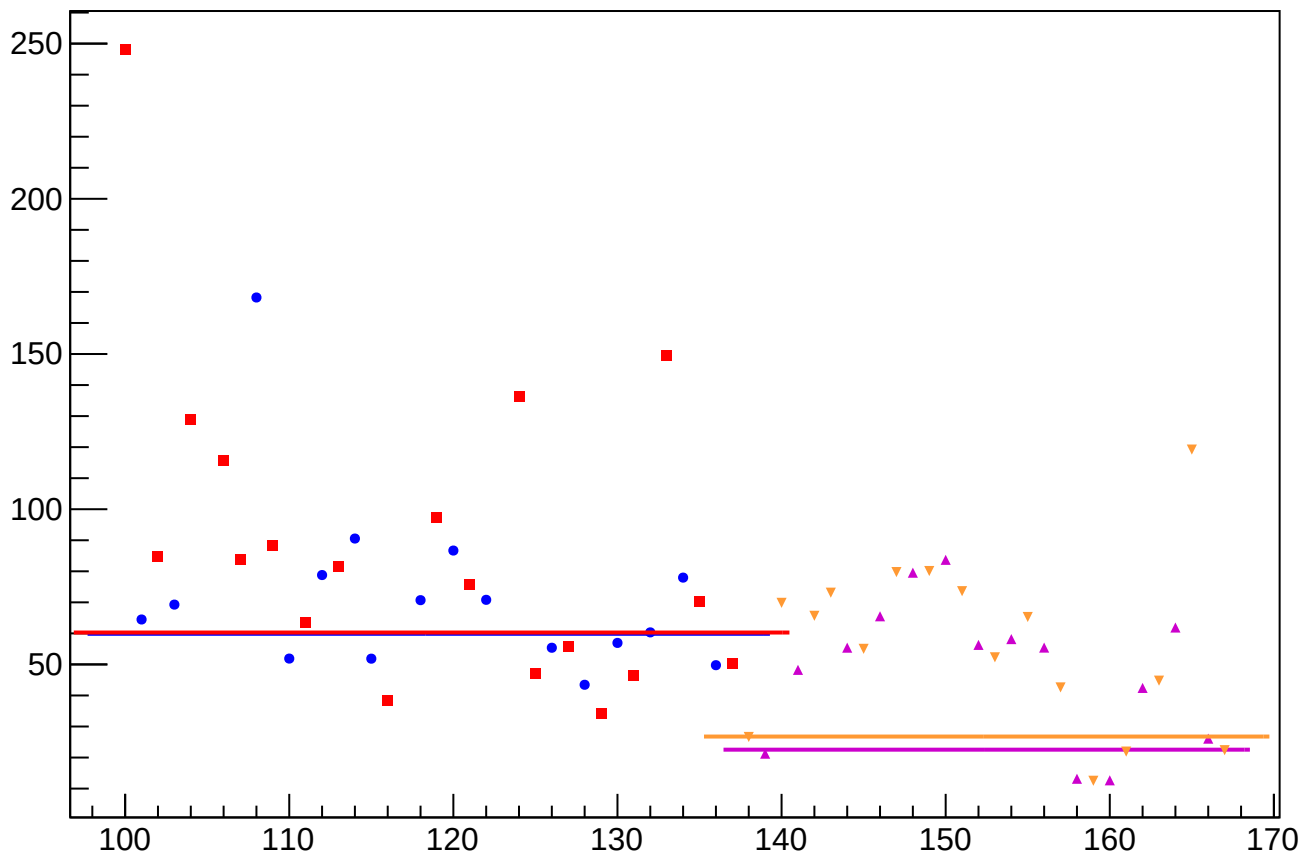
Left In: 0.018 $\pm$ 0.009 χ^2 /NDF: 10.8/13

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 61.2/31

All: 0.021 $\pm$ 0.006 χ^2 /NDF: 85.5/64

- sign 0.024 $\pm$ 0.009 χ^2 /NDF: 24.0/32

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: 26.766 $\pm$ 0.007 χ^2 /NDF: 7520779.0/15

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

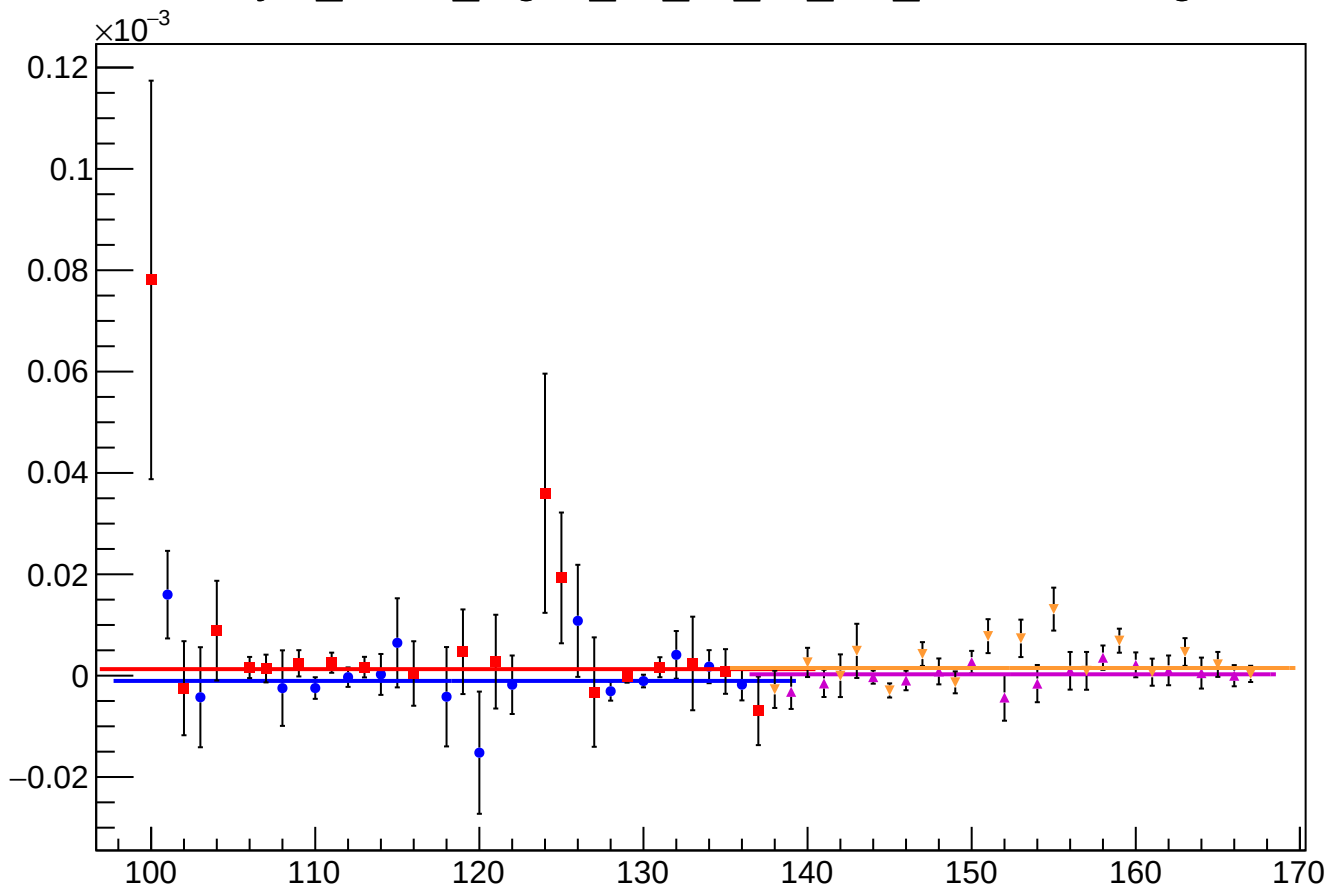
Left In: 22.537 $\pm$ 0.007 χ^2 /NDF: 6977469.3/13

+ sign 31.560 $\pm$ 0.007 χ^2 /NDF: 11297797.3/31

All: 29.110 $\pm$ 0.005 χ^2 /NDF: 24435869.0/64

- sign 27.007 $\pm$ 0.006 χ^2 /NDF: 12885019.8/32

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 : 35.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.5/18

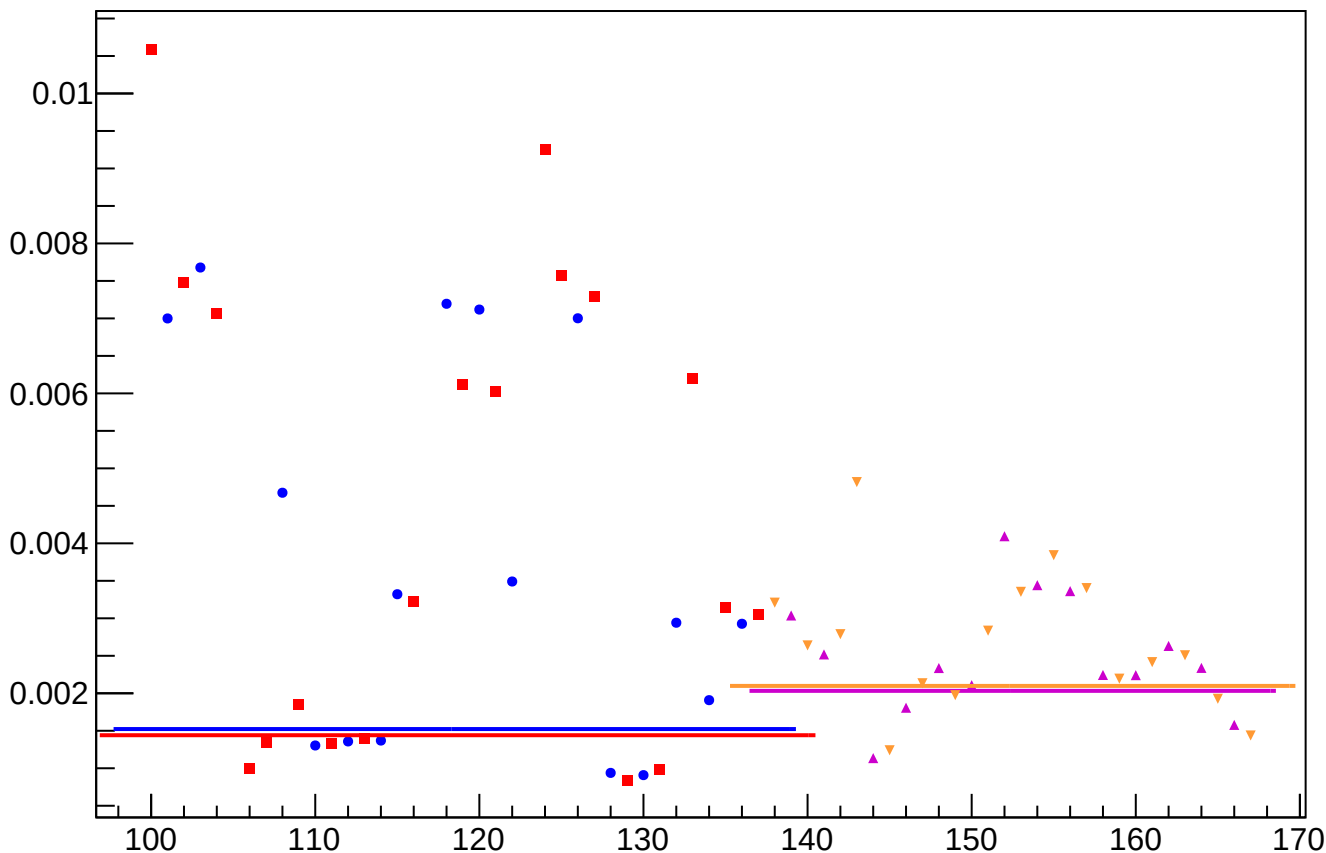
Left In: 0.000 ± 0.000 χ^2/NDF : 7.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 54.0/31

All: 0.000 ± 0.000 χ^2/NDF : 74.9/64

- sign 0.000 ± 0.000 χ^2/NDF : 20.7/32

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: 0.002 $\pm$ 0.000 χ^2 /NDF:2922315.4/15

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5789411.1/18

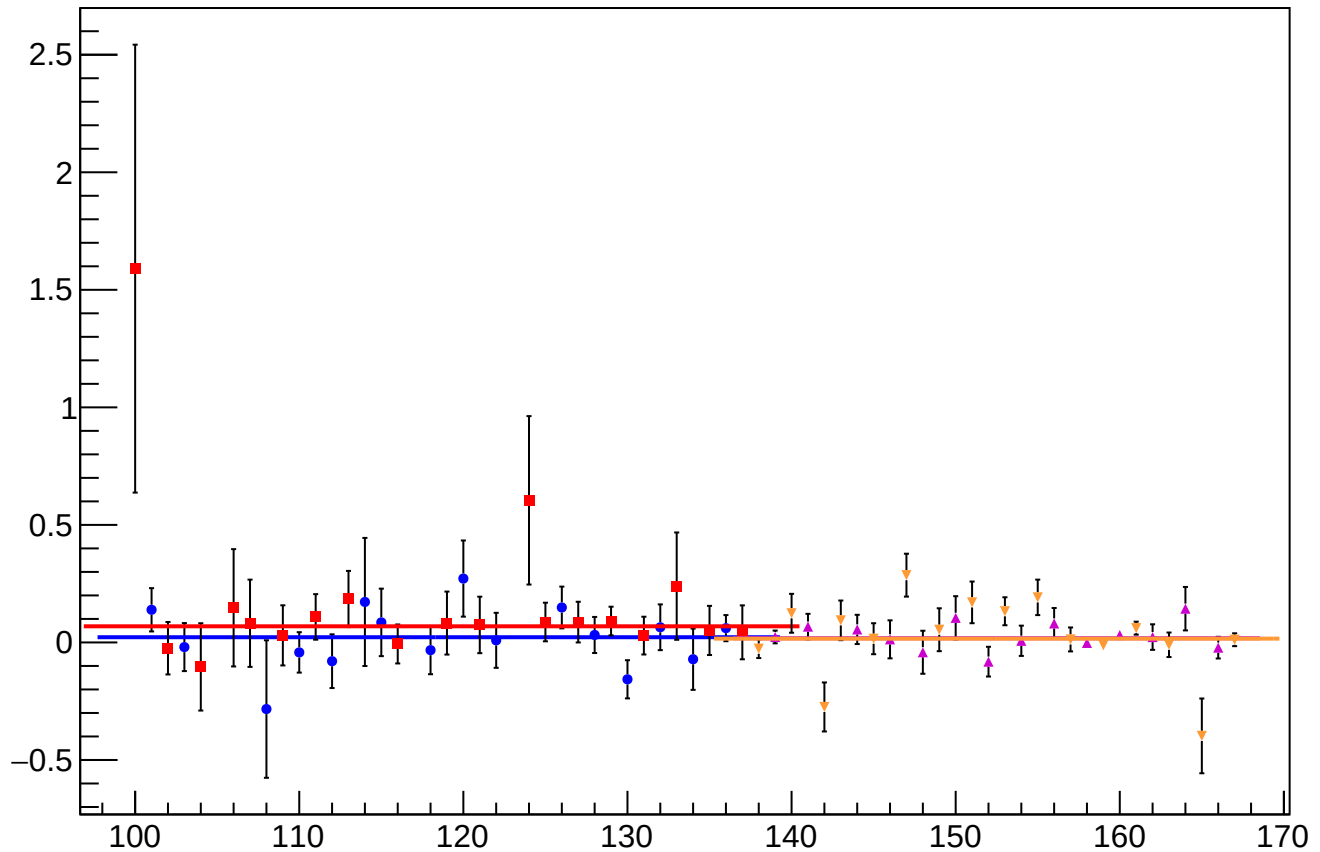
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:2425780.9/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8804465.0/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 17834343.7/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8991785.9/32

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.025 χ^2 /NDF: 15.5/15

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF: 45.7/15

Right Out: 0.069 $\pm$ 0.025 χ^2 /NDF: 9.6/18

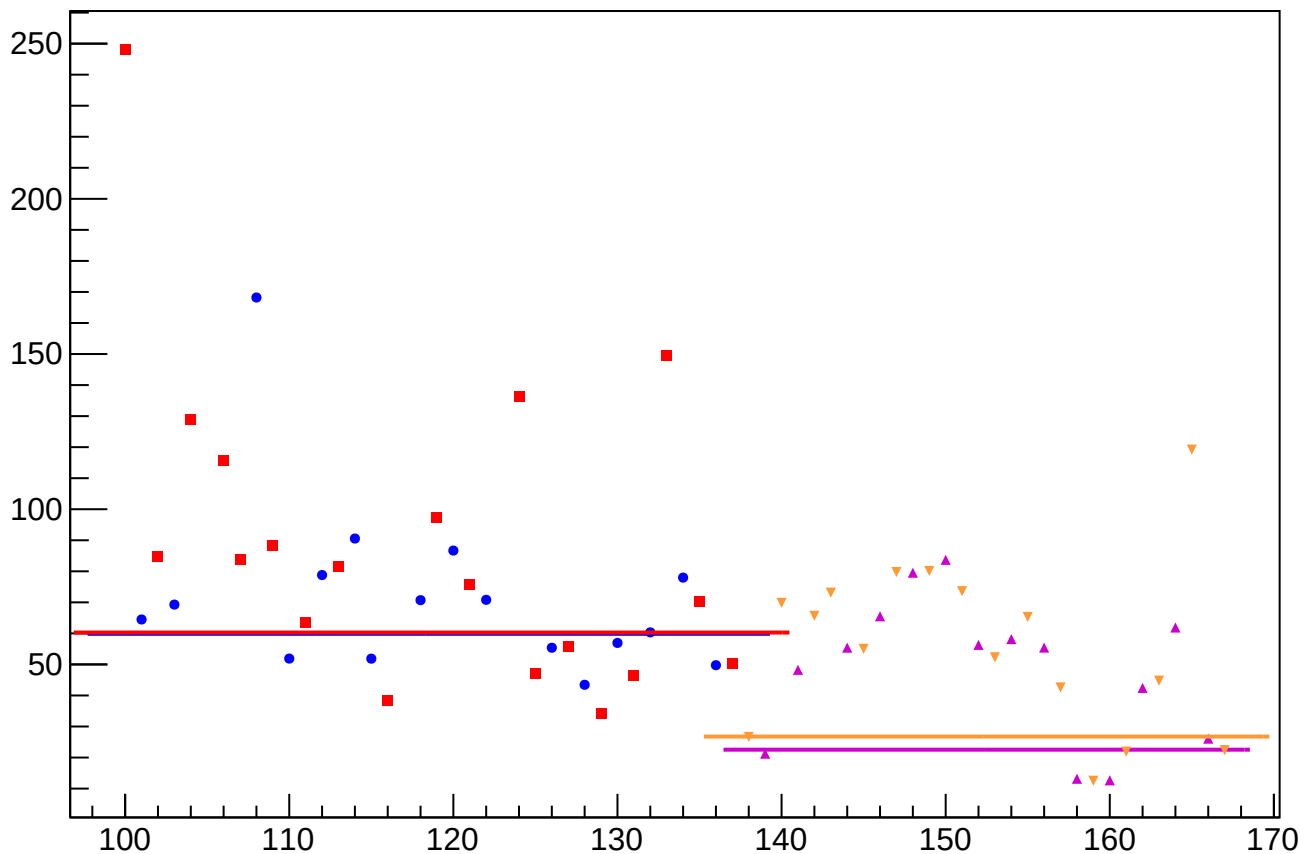
Left In: 0.018 $\pm$ 0.009 χ^2 /NDF: 10.8/13

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 61.2/31

All: 0.021 $\pm$ 0.006 χ^2 /NDF: 85.5/64

- sign 0.024 $\pm$ 0.009 χ^2 /NDF: 24.0/32

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: 26.765 $\pm$ 0.007 χ^2/NDF : 7521720.5/15

Right Out: 60.278 $\pm$ 0.018 χ^2/NDF : 1977294.2/18

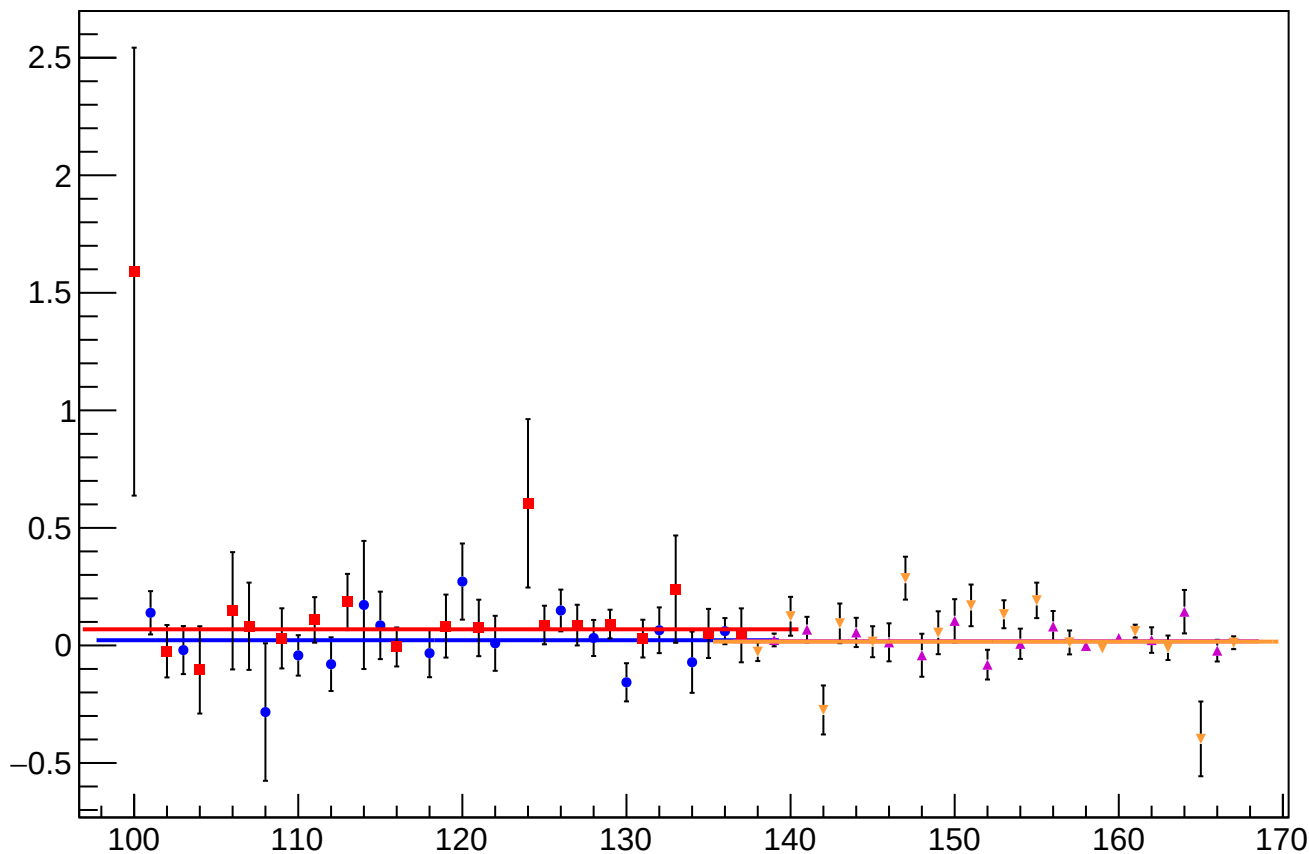
Left In: 22.537 $\pm$ 0.007 χ^2/NDF : 6977851.1/13

+ sign 31.558 $\pm$ 0.007 χ^2/NDF : 11299236.1/31

All: 29.109 $\pm$ 0.005 χ^2/NDF : 24437828.3/64

- sign 27.006 $\pm$ 0.006 χ^2/NDF : 12885651.9/32

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: 0.016 ± 0.010 χ^2/NDF : 45.7/15

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

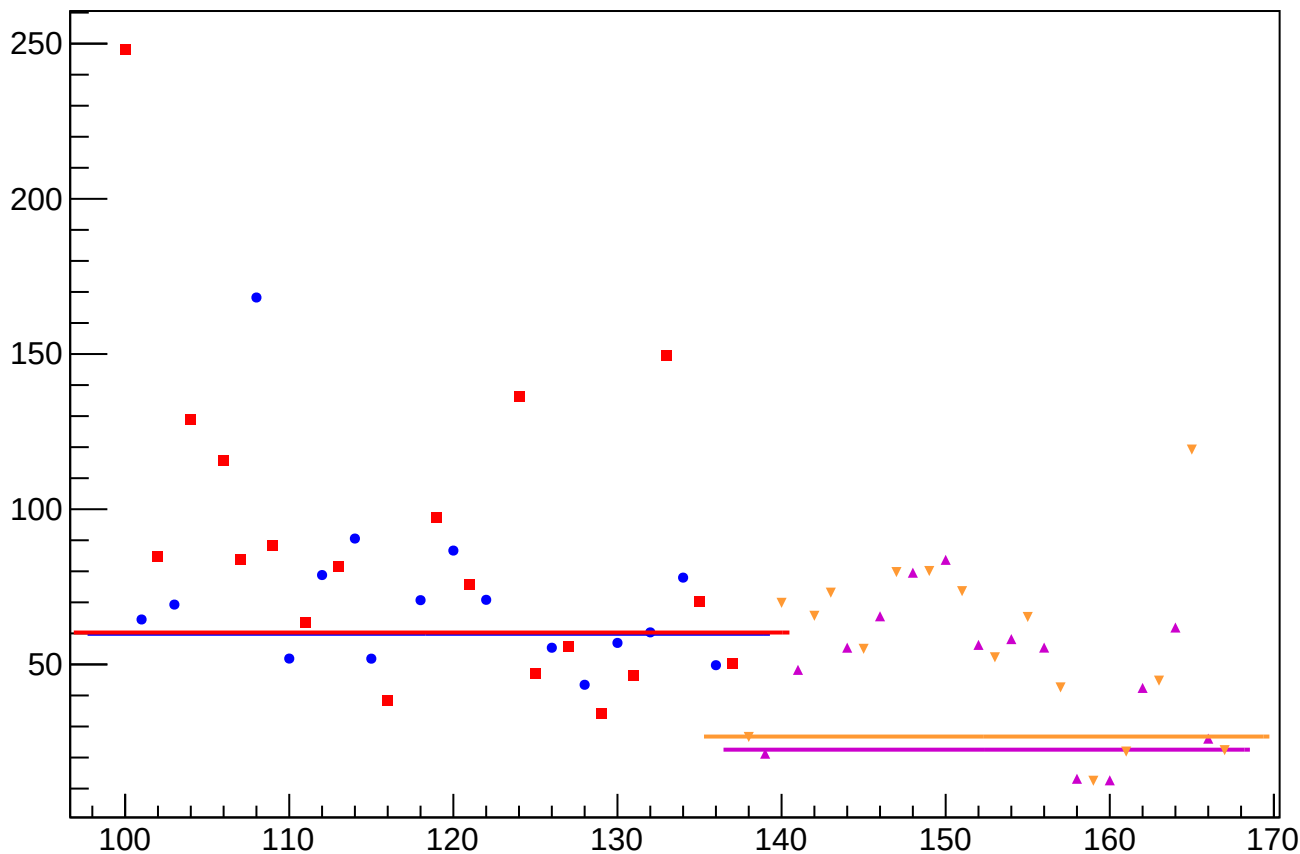
Left In: 0.018 ± 0.009 χ^2/NDF : 10.8/13

+ sign 0.017 ± 0.009 χ^2/NDF : 61.2/31

All: 0.021 ± 0.006 χ^2/NDF : 85.5/64

- sign 0.024 ± 0.009 χ^2/NDF : 24.0/32

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: 26.765 ± 0.007 χ^2/NDF : 7521720.5/15

Right Out: 60.278 ± 0.018 χ^2/NDF : 1977294.2/18

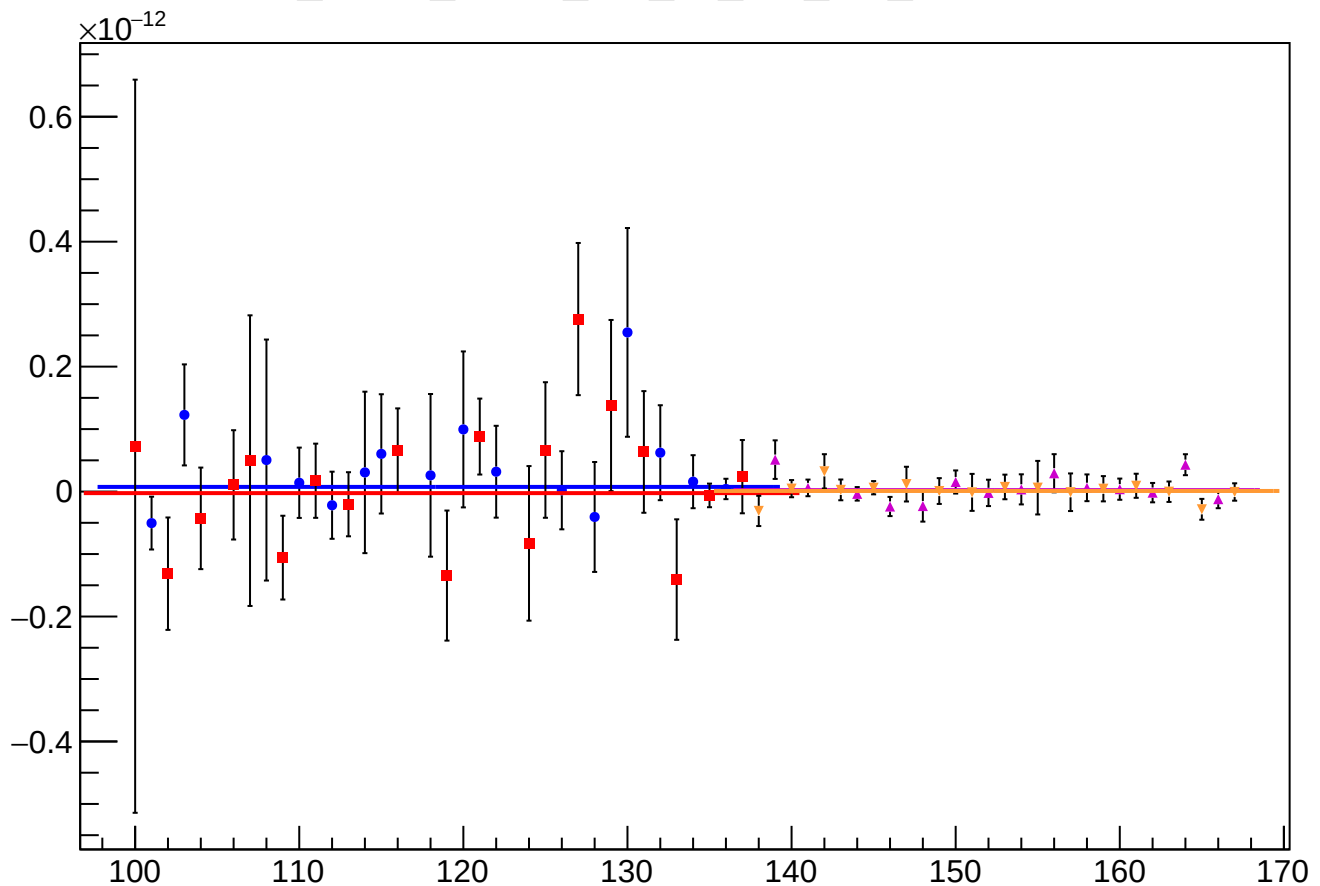
Left In: 22.537 ± 0.007 χ^2/NDF : 6977851.1/13

+ sign 31.558 ± 0.007 χ^2/NDF : 11299236.1/31

All: 29.109 ± 0.005 χ^2/NDF : 24437828.3/64

- sign 27.006 ± 0.006 χ^2/NDF : 12885651.9/32

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 8.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 7.0/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.7/18

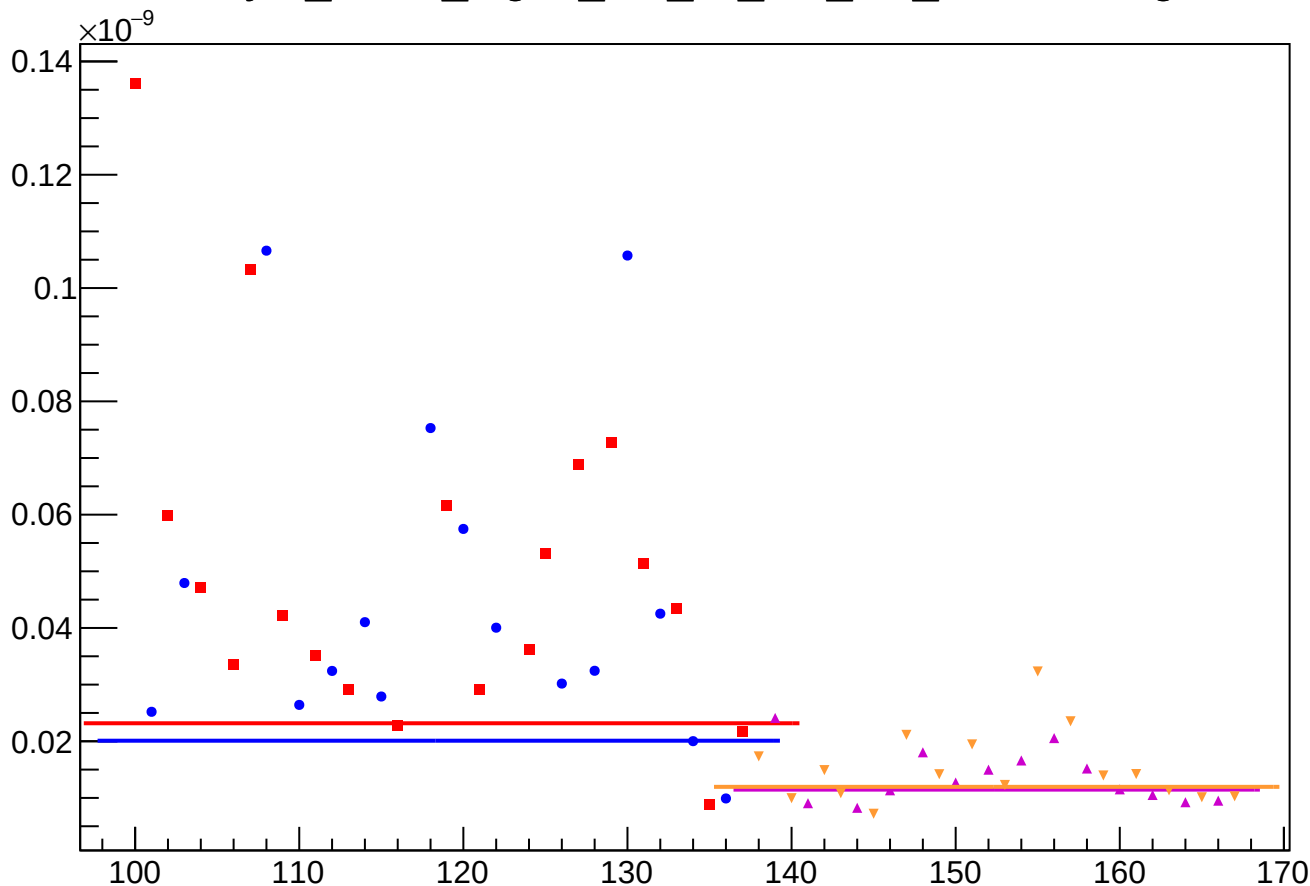
Left In: 0.000 ± 0.000 χ^2/NDF : 15.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 15.6/31

All: 0.000 ± 0.000 χ^2/NDF : 50.5/64

- sign 0.000 ± 0.000 χ^2/NDF : 34.9/32

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 $\chi^2/\text{NDF}: 3121422.6/15$

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 1793655.2/15$

Right Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 3530677.1/18$

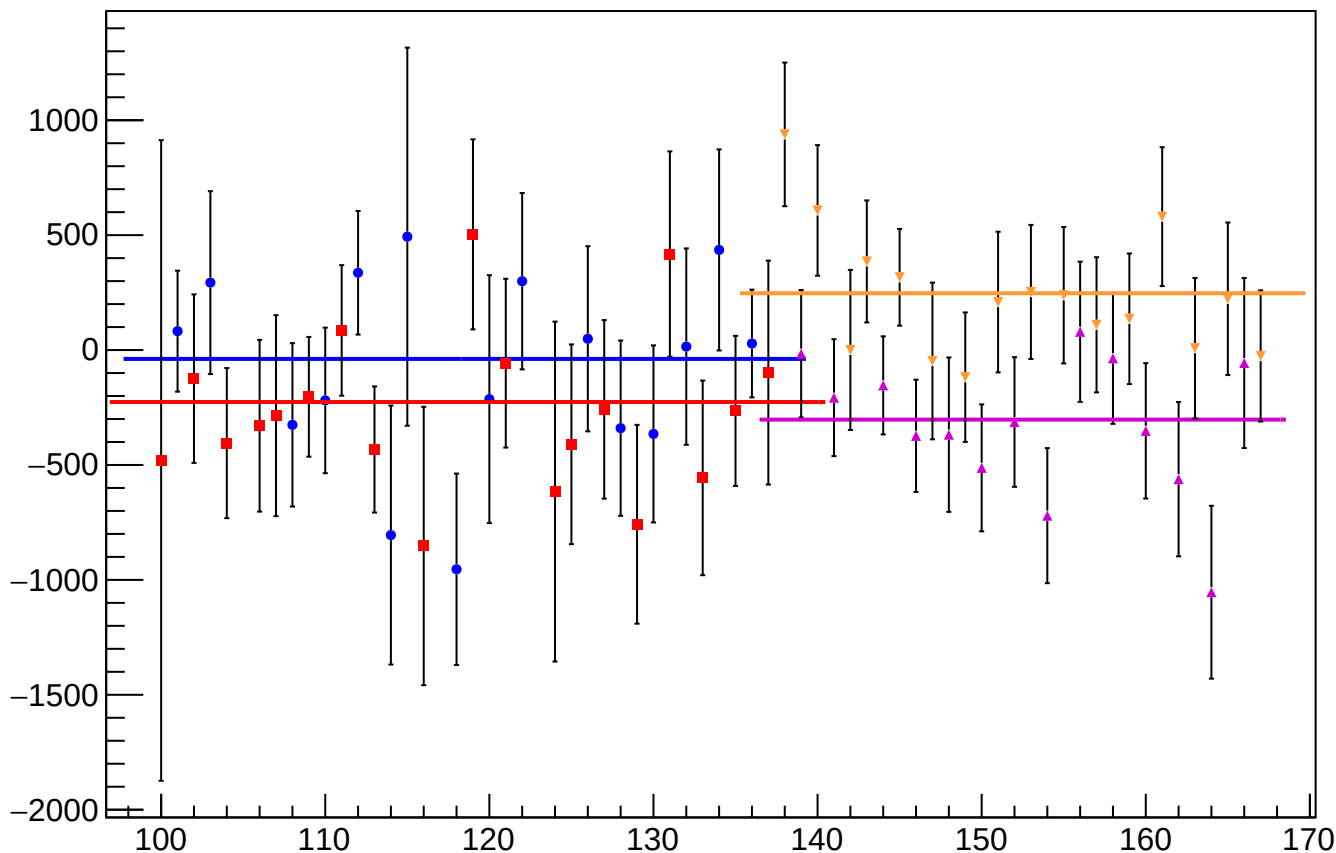
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 1187982.6/13$

+ sign 0.000+/-0.000 $\chi^2/\text{NDF}: 5701823.8/31$

All: 0.000+/-0.000 $\chi^2/\text{NDF}: 11769342.7/64$

- sign 0.000+/-0.000 $\chi^2/\text{NDF}: 6063019.2/32$

reg_asym_sam4_mean vs Slug



Right In: -38.498 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 247.292 ± 72.623 χ^2/NDF : 12.9/15

Right Out: -226.168 ± 87.908 χ^2/NDF : 11.4/18

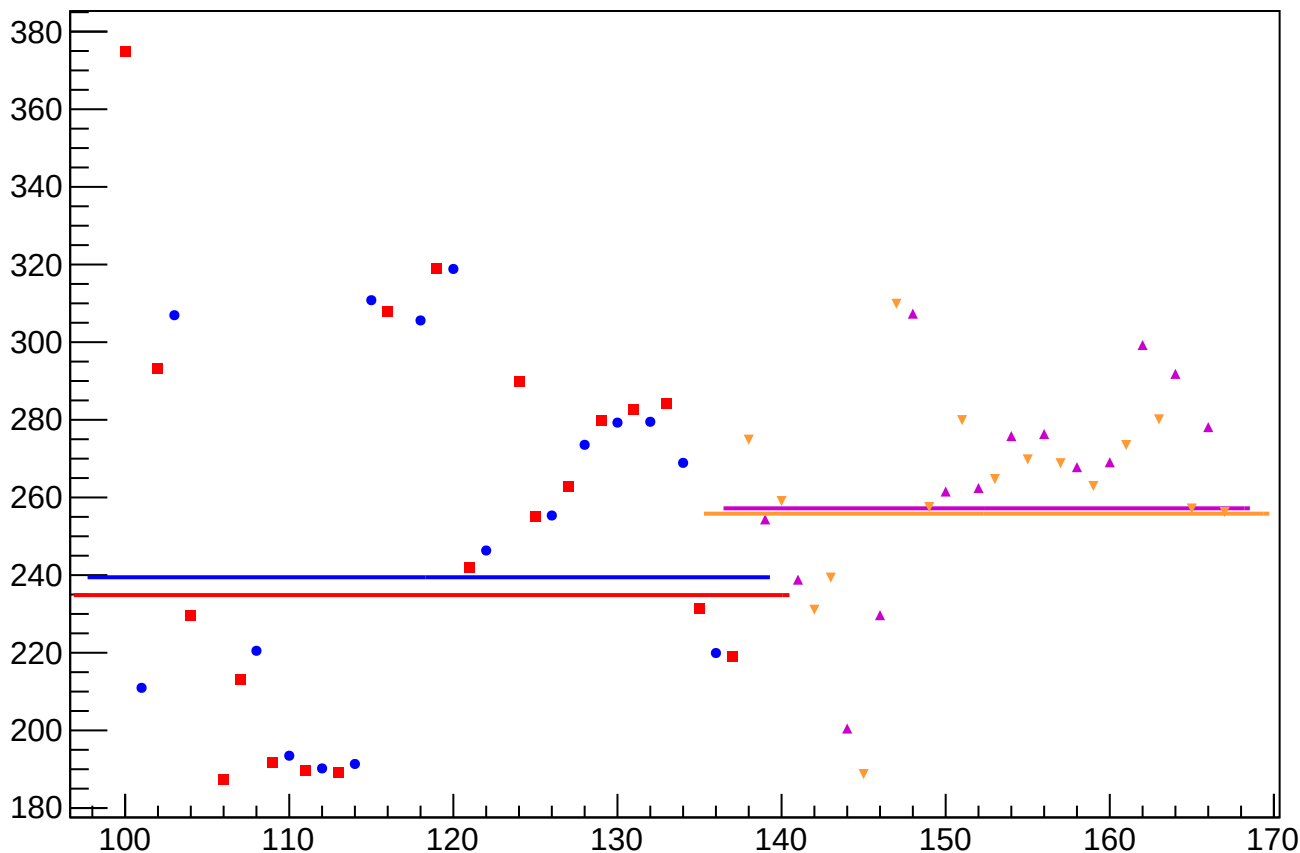
Left In: -302.620 ± 76.441 χ^2/NDF : 11.9/13

+ sign 135.524 ± 56.670 χ^2/NDF : 33.5/31

All: -63.499 ± 40.425 χ^2/NDF : 82.4/64

- sign -269.702 ± 57.683 χ^2/NDF : 23.8/32

reg_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400955.7/15

Left Out: 255.827 $\pm$ 0.051 χ^2 /NDF:322364.2/15

Right Out: 234.855 $\pm$ 0.062 χ^2 /NDF: 481715.3/18

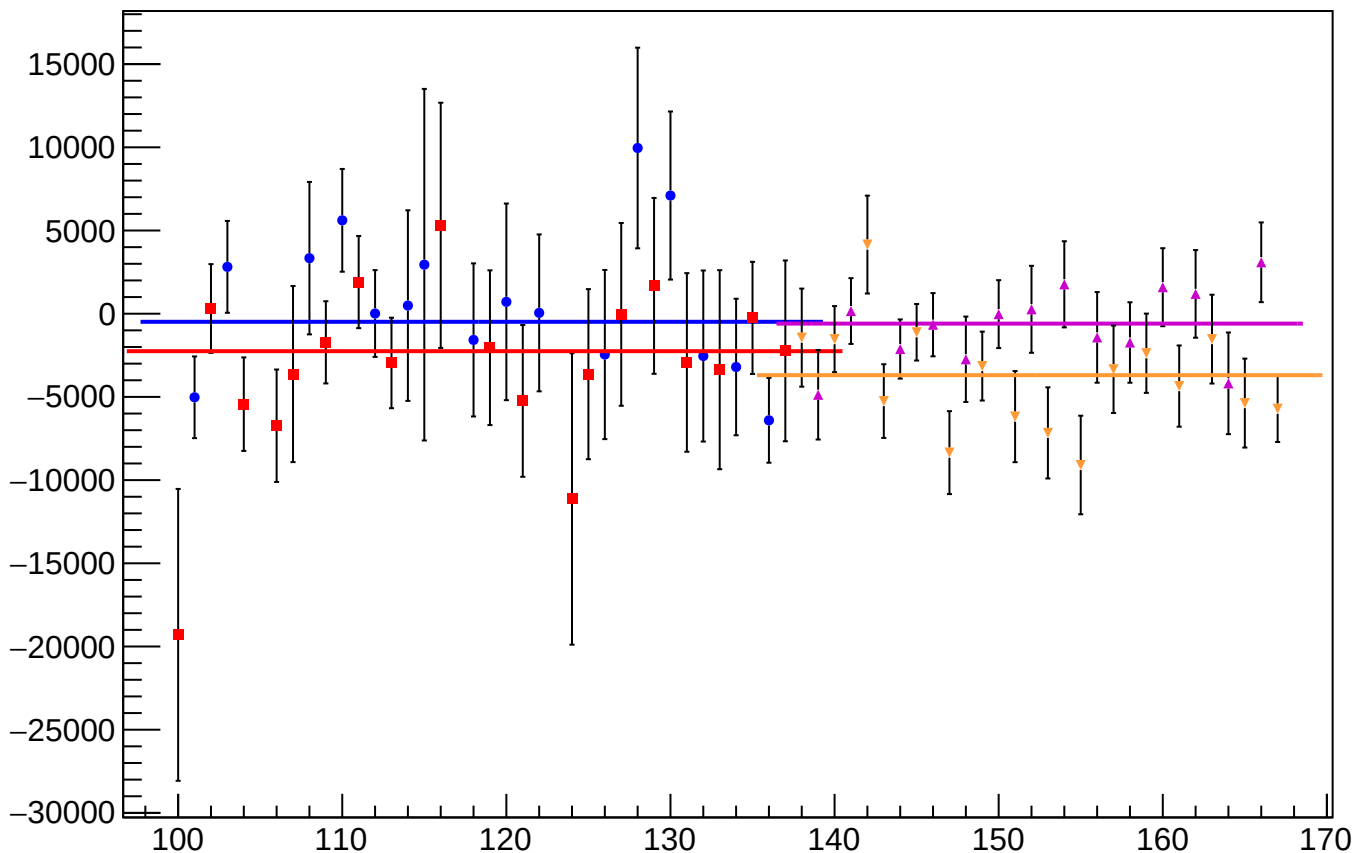
Left In: 257.202 $\pm$ 0.054 χ^2 /NDF:299585.8/13

+ sign 249.422 $\pm$ 0.040 χ^2 /NDF: 763100.5/31

All: 248.517 $\pm$ 0.029 χ^2 /NDF: 1619037.4/64

- sign 247.580 $\pm$ 0.041 χ^2 /NDF: 854899.1/32

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF : 21.1/15

Left Out: -3693.897+/-594.559 χ^2/NDF : 23.5/15

Right Out: -2251.898+/-894.171 χ^2/NDF : 13.9/18

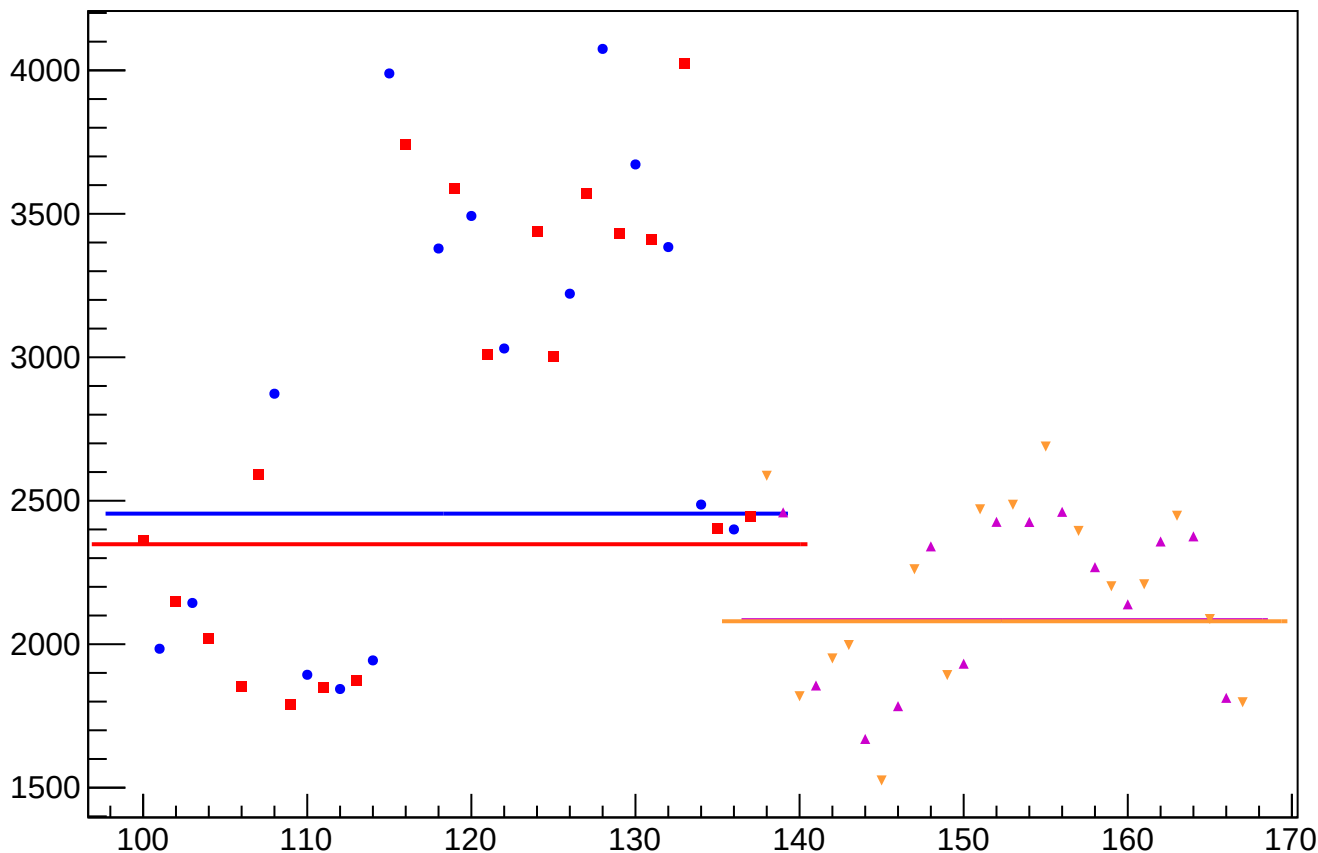
Left In: -595.033+/-621.620 χ^2/NDF : 10.5/13

+ sign -2787.539+/-503.611 χ^2/NDF : 52.8/31

All: -1972.274+/-358.484 χ^2/NDF : 84.9/64

- sign -1134.878+/-510.401 χ^2/NDF : 26.7/32

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103 $\pm$ 0.670 χ^2 /NDF: 894389.6/15

Left Out: 2080.008 $\pm$ 0.420 χ^2 /NDF: 627107.3/15

Right Out: 2348.446 $\pm$ 0.632 χ^2 /NDF: 1052421.6/18

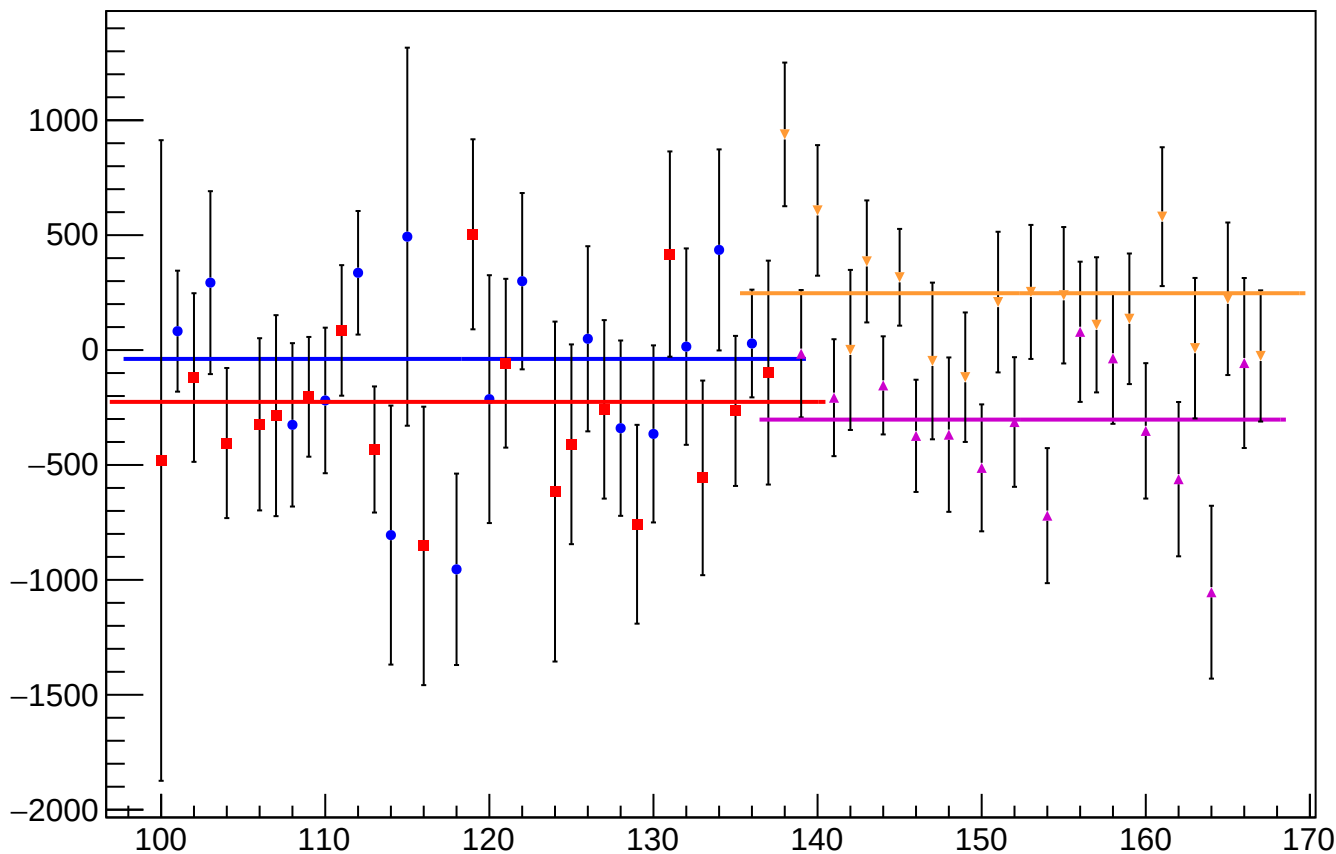
Left In: 2083.843 $\pm$ 0.440 χ^2 /NDF: 440721.2/13

+ sign 2185.985 $\pm$ 0.356 χ^2 /NDF: 1746398.1/31

All: 2178.128 $\pm$ 0.253 χ^2 /NDF: 3358601.2/64

- sign 2170.057 $\pm$ 0.361 χ^2 /NDF: 1611216.1/32

cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 247.303 ± 72.623 χ^2/NDF : 12.9/15

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

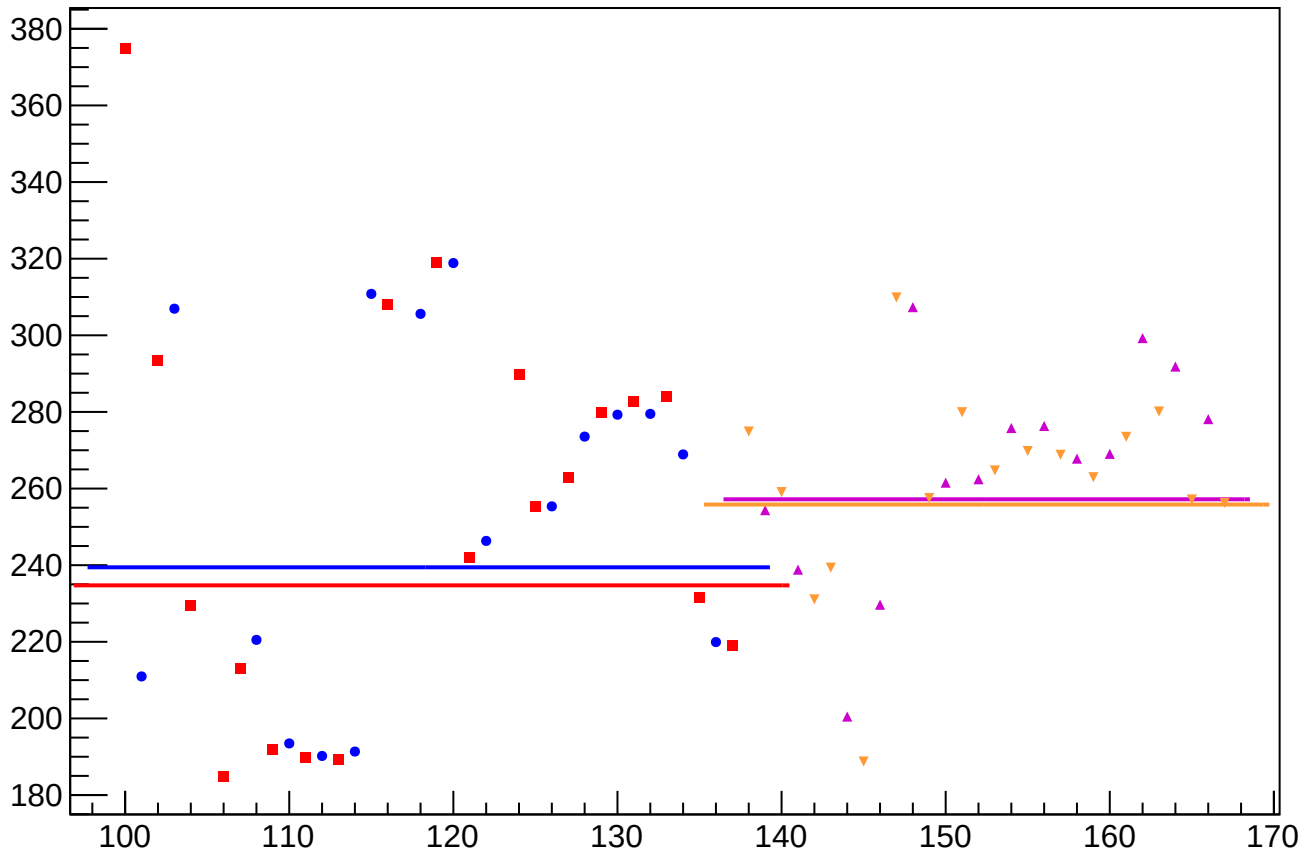
Left In: -302.622 ± 76.441 χ^2/NDF : 11.9/13

+ sign 135.523 ± 56.670 χ^2/NDF : 33.5/31

All: -63.351 ± 40.426 χ^2/NDF : 82.3/64

- sign -269.428 ± 57.687 χ^2/NDF : 23.8/32

cor_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400958.1/15

Left Out: 255.827 $\pm$ 0.051 χ^2 /NDF:322364.2/15

Right Out: 234.733 $\pm$ 0.062 χ^2 /NDF: 485238.4/18

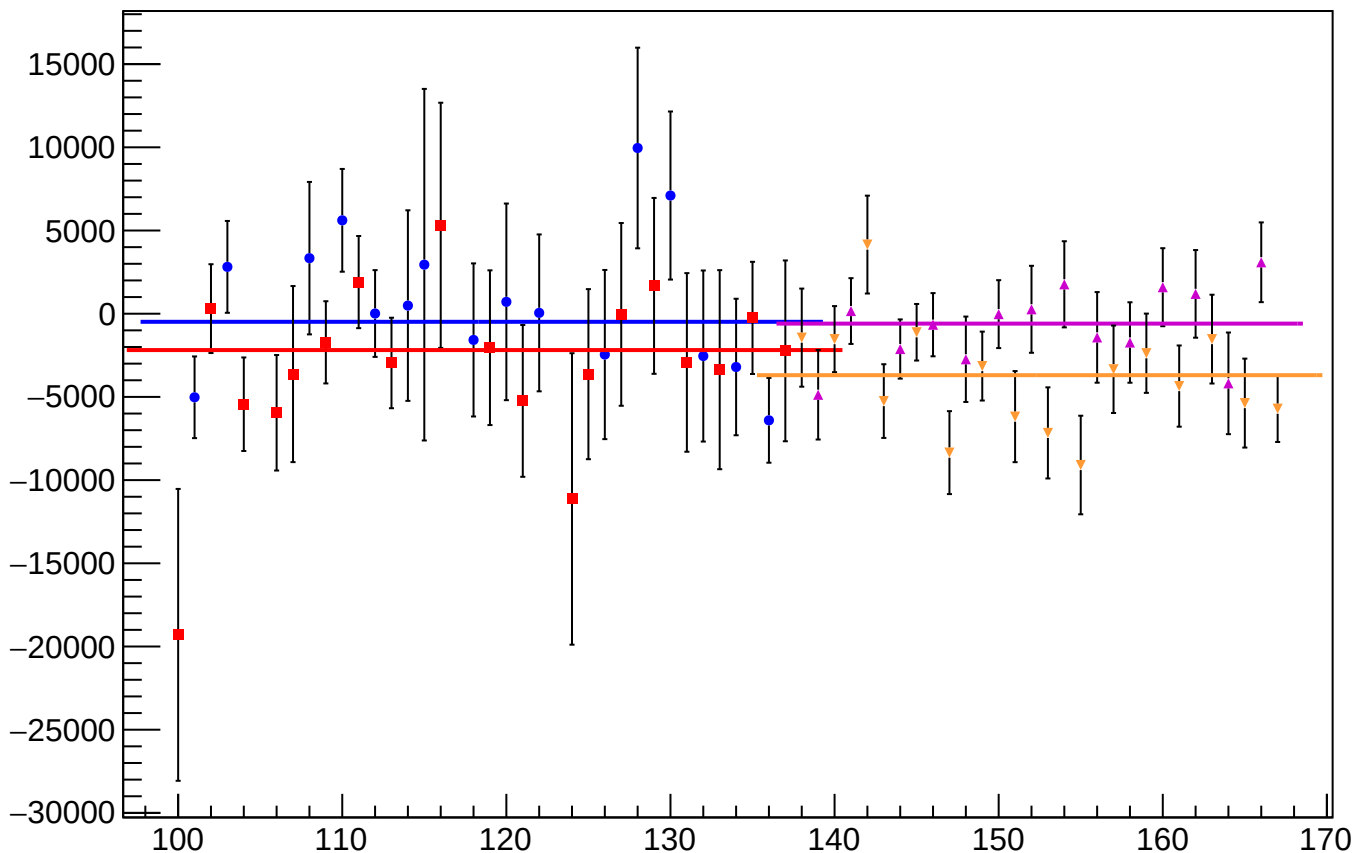
Left In: 257.202 $\pm$ 0.054 χ^2 /NDF:299585.8/13

+ sign 249.422 $\pm$ 0.040 χ^2 /NDF: 763102.6/31

All: 248.492 $\pm$ 0.029 χ^2 /NDF: 1623411.2/64

- sign 247.529 $\pm$ 0.041 χ^2 /NDF: 859212.9/32

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF : 23.5/15

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

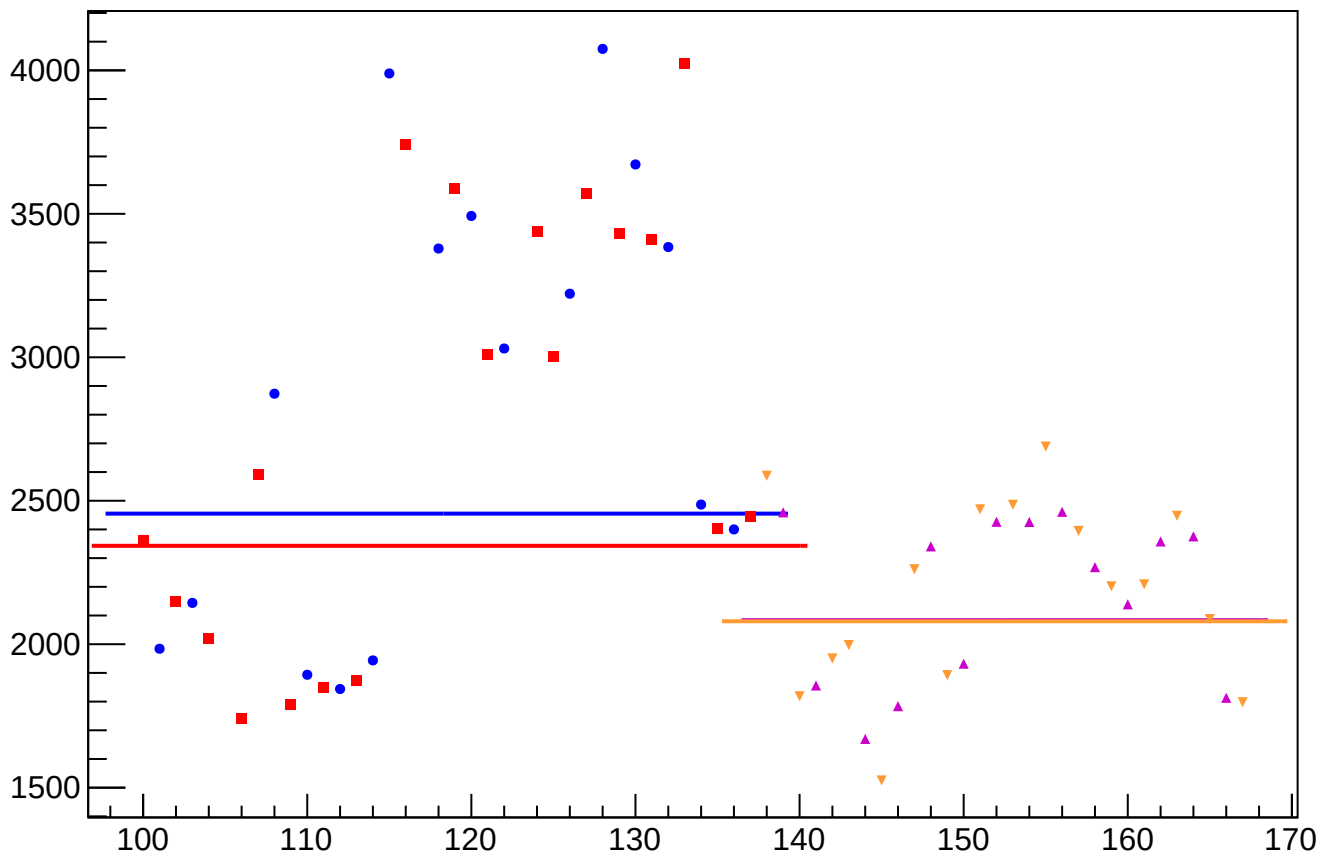
Left In: -595.046+/-621.620 χ^2/NDF : 10.5/13

+ sign -2787.587+/-503.613 χ^2/NDF : 52.8/31

All: -1961.387+/-358.593 χ^2/NDF : 84.2/64

- sign -1111.717+/-510.715 χ^2/NDF : 25.9/32

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF : 627109.6/15

Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

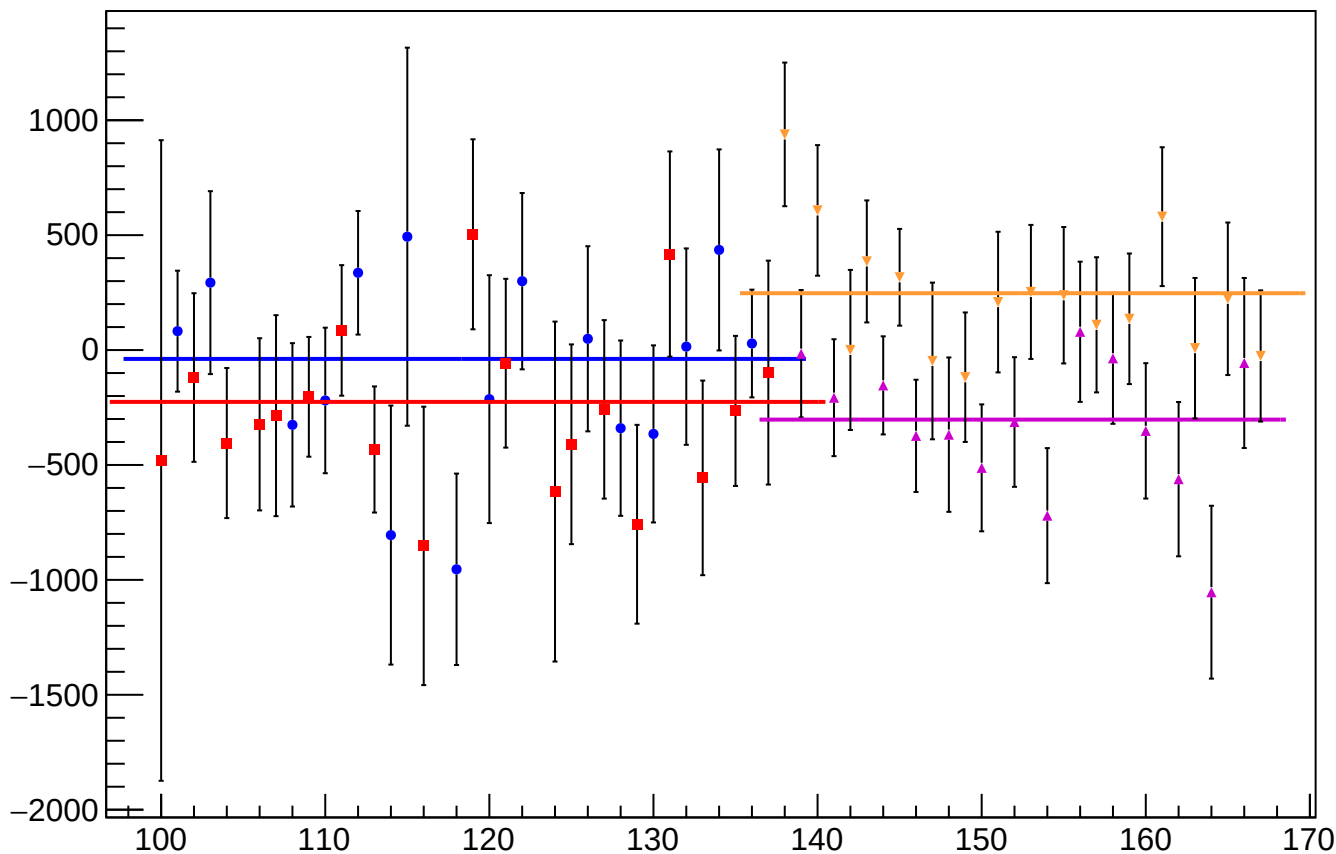
Left In: 2083.844+/-0.440 χ^2/NDF : 440718.9/13

+ sign 2185.990+/-0.356 χ^2/NDF : 1746396.4/31

All: 2177.148+/-0.254 χ^2/NDF : 3371688.6/64

- sign 2168.054+/-0.361 χ^2/NDF : 1624041.5/32

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 247.303 ± 72.623 χ^2/NDF : 12.9/15

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

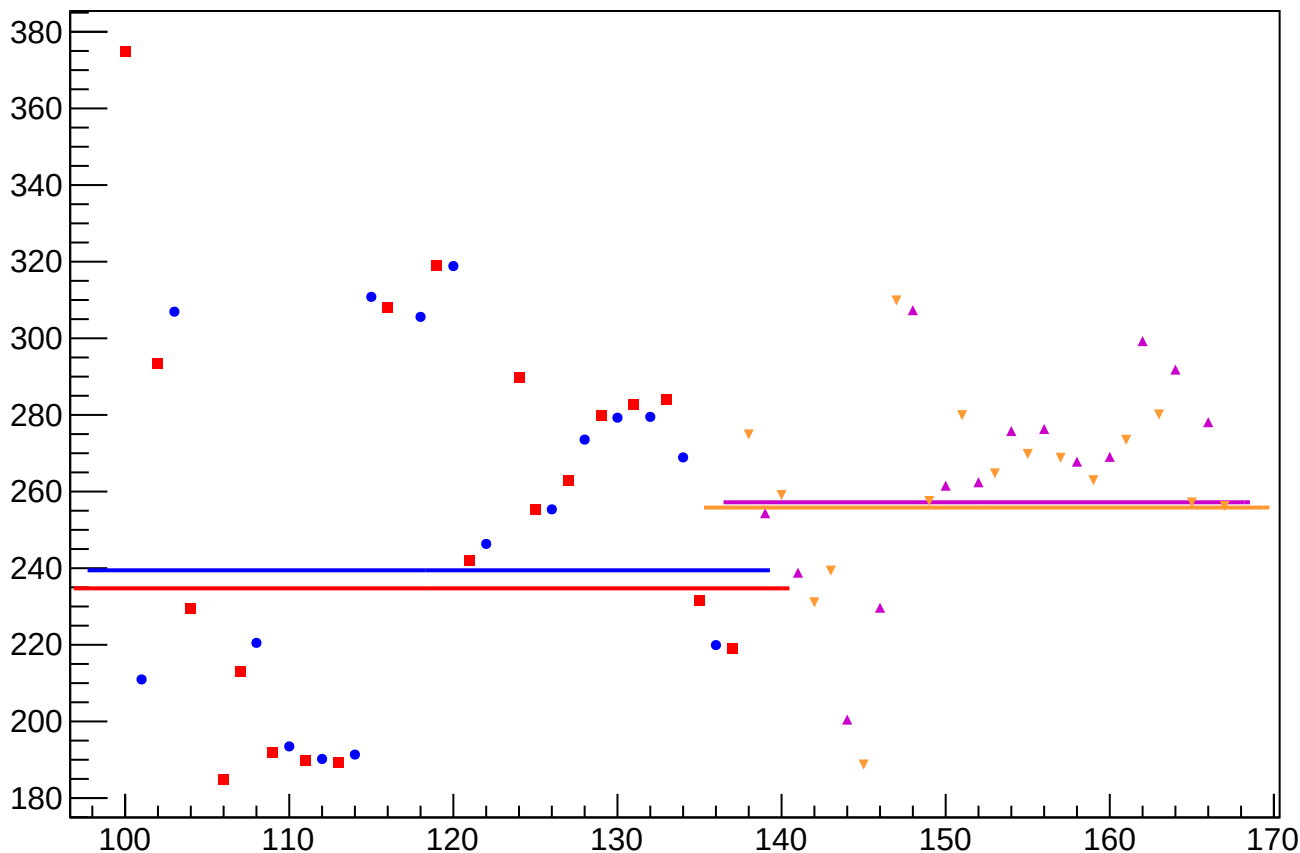
Left In: -302.622 ± 76.441 χ^2/NDF : 11.9/13

+ sign 135.523 ± 56.670 χ^2/NDF : 33.5/31

All: -63.351 ± 40.426 χ^2/NDF : 82.3/64

- sign -269.428 ± 57.687 χ^2/NDF : 23.8/32

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449 ± 0.064 χ^2/NDF : 400958.1/15

Left Out: 255.827 ± 0.051 χ^2/NDF : 322364.2/15

Right Out: 234.733 ± 0.062 χ^2/NDF : 485238.4/18

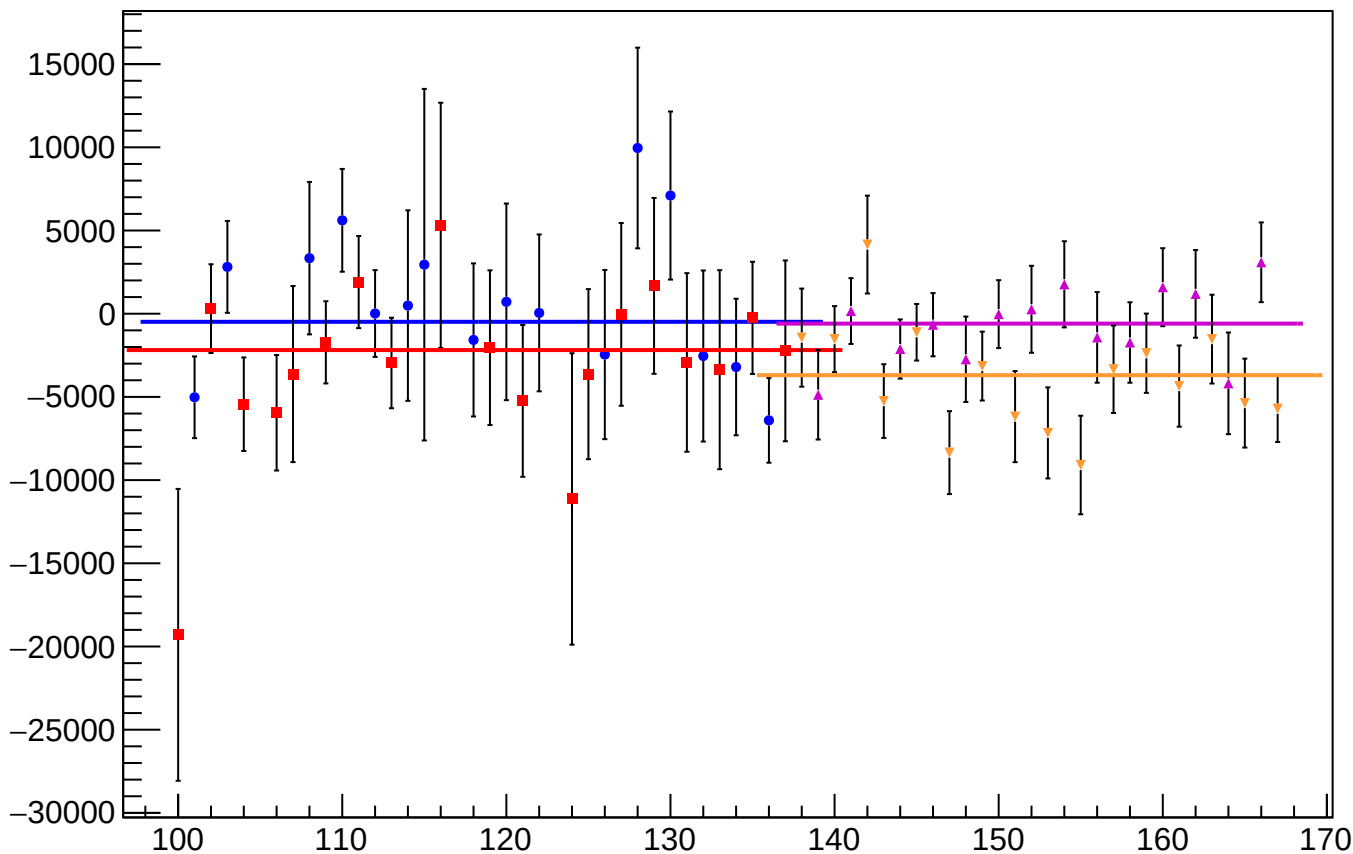
Left In: 257.202 ± 0.054 χ^2/NDF : 299585.8/13

+ sign 249.422 ± 0.040 χ^2/NDF : 763102.6/31

All: 248.492 ± 0.029 χ^2/NDF : 1623411.2/64

- sign 247.529 ± 0.041 χ^2/NDF : 859212.9/32

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF : 23.5/15

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

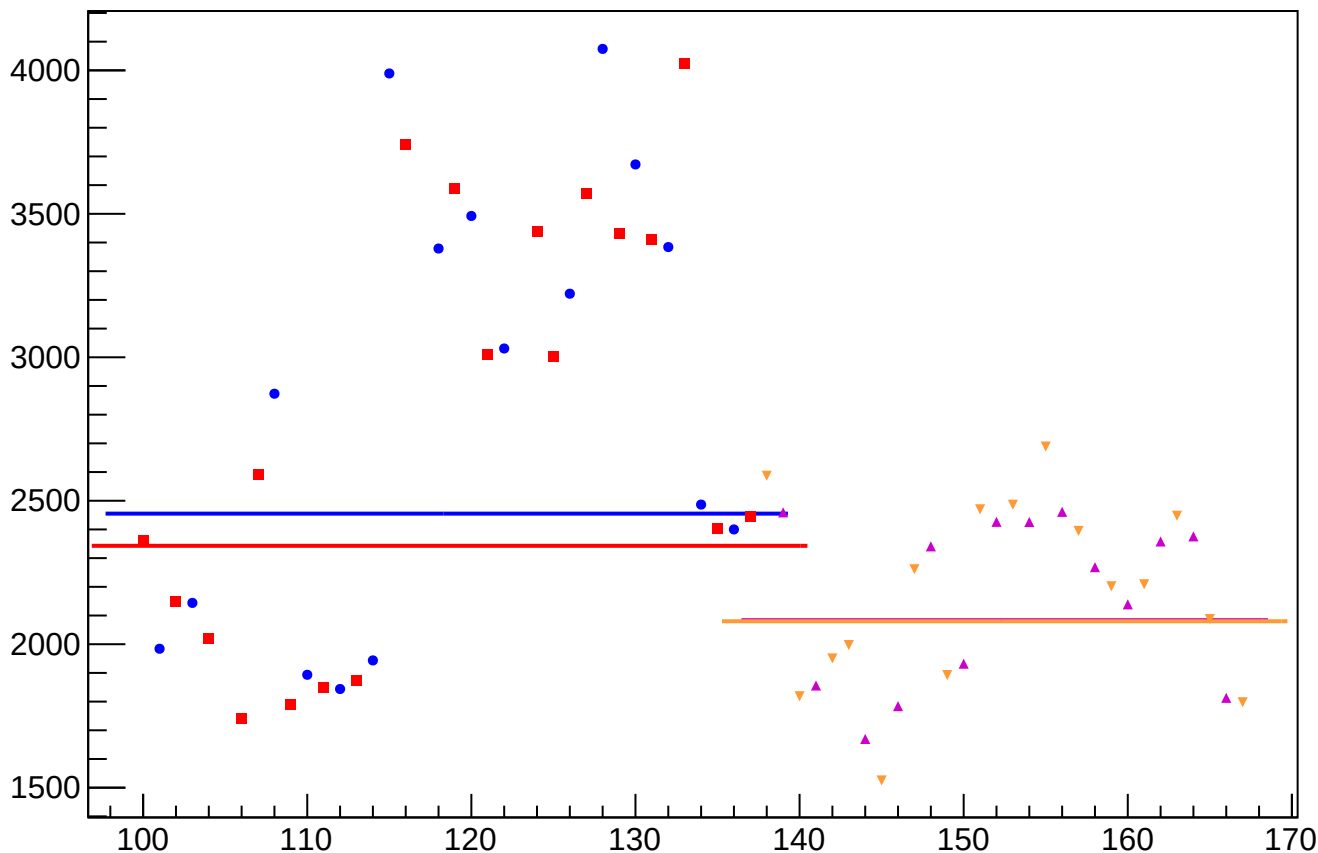
Left In: -595.046+/-621.620 χ^2/NDF : 10.5/13

+ sign -2787.587+/-503.613 χ^2/NDF : 52.8/31

All: -1961.387+/-358.593 χ^2/NDF : 84.2/64

- sign -1111.717+/-510.715 χ^2/NDF : 25.9/32

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127 $\pm$ 0.670 χ^2 /NDF: 894358.3/15

Left Out: 2080.008 $\pm$ 0.420 χ^2 /NDF: 627109.6/15

Right Out: 2342.955 $\pm$ 0.633 χ^2 /NDF: 1070387.8/18

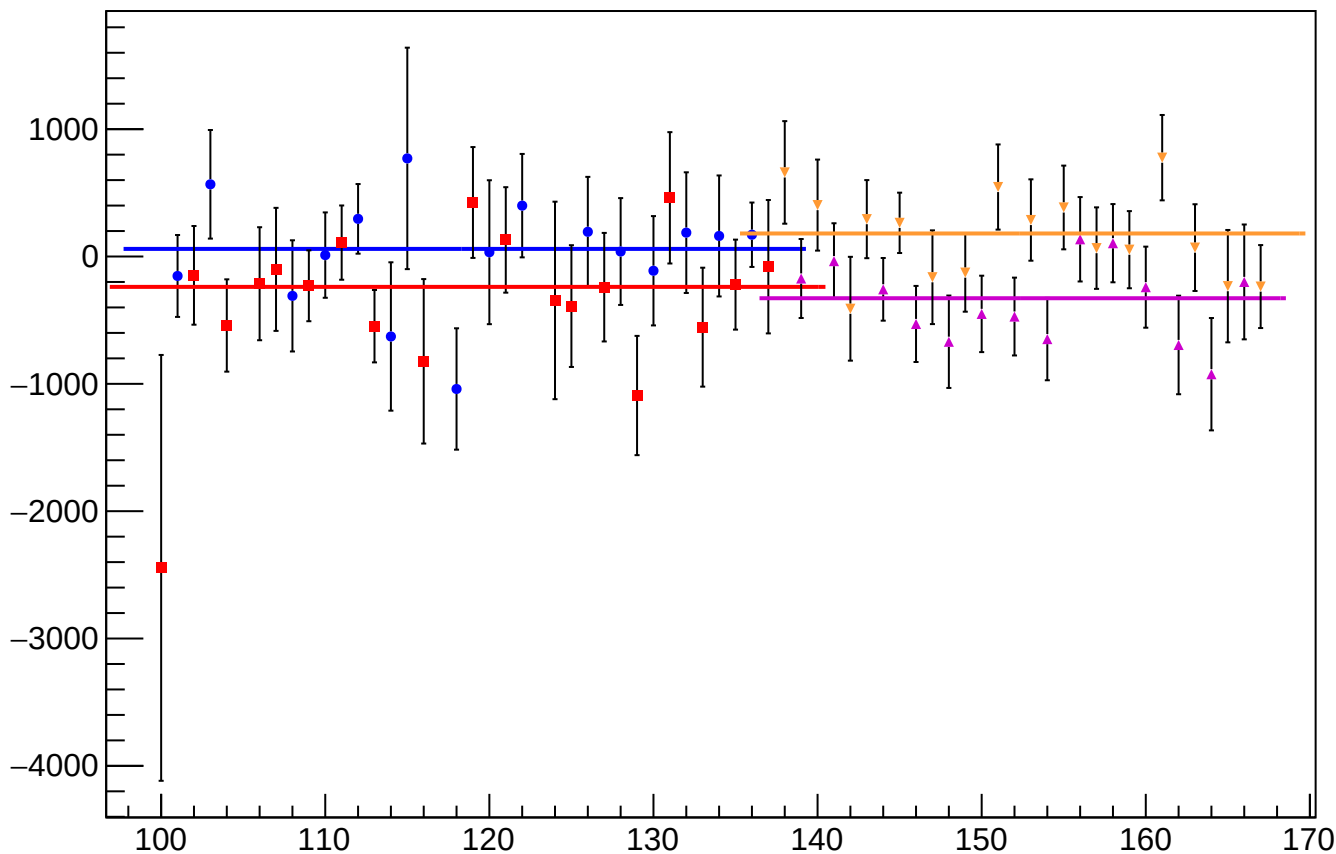
Left In: 2083.844 $\pm$ 0.440 χ^2 /NDF: 440718.9/13

+ sign 2185.990 $\pm$ 0.356 χ^2 /NDF: 1746396.4/31

All: 2177.148 $\pm$ 0.254 χ^2 /NDF: 3371688.6/64

- sign 2168.054 $\pm$ 0.361 χ^2 /NDF: 1624041.5/32

dit_asym_sam4_mean vs Slug



Right In: 59.728 ± 99.230 χ^2/NDF : 12.0/15

Left Out: 180.830 ± 82.428 χ^2/NDF : 13.8/15

Right Out: -238.516 ± 95.062 χ^2/NDF : 14.9/18

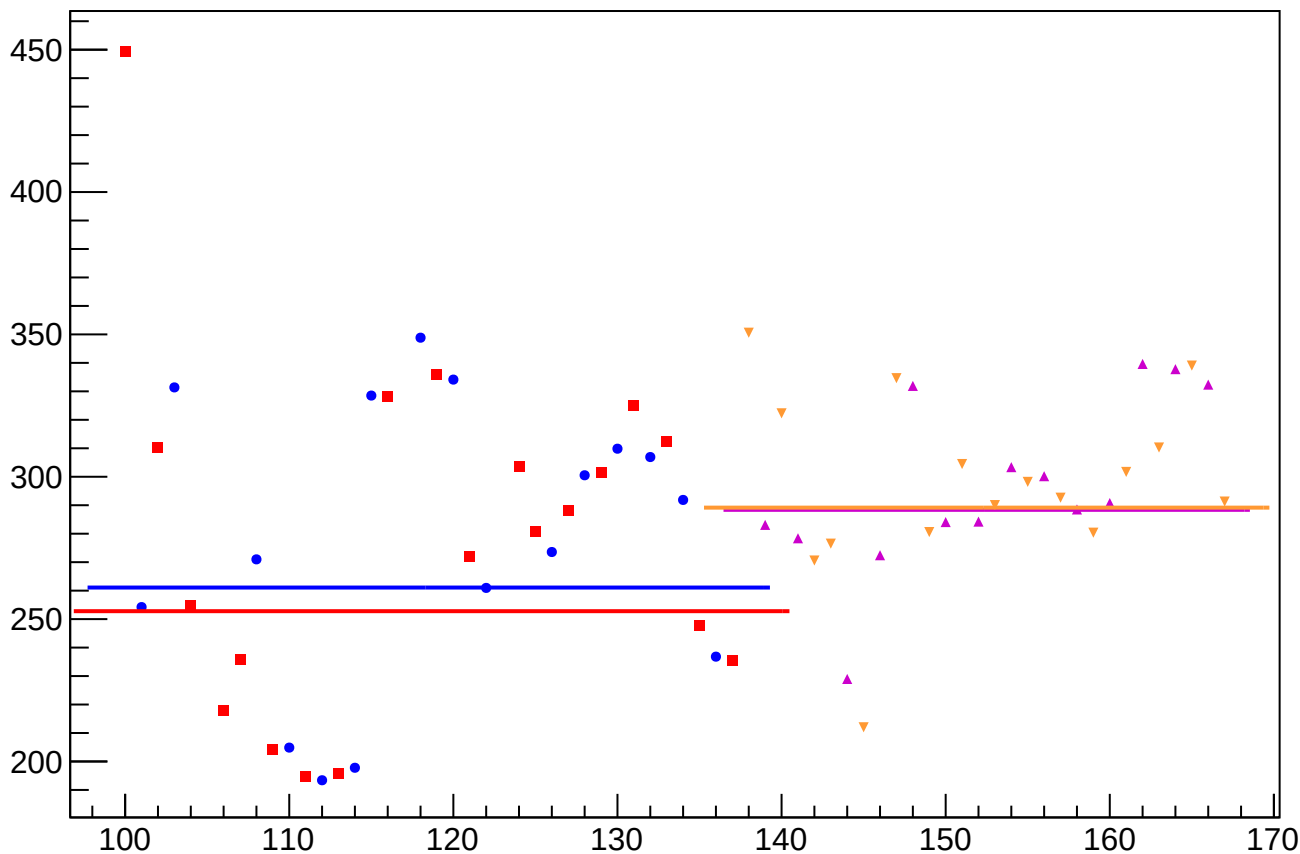
Left In: -327.687 ± 86.162 χ^2/NDF : 10.8/13

+ sign 131.385 ± 63.405 χ^2/NDF : 26.7/31

All: -76.610 ± 44.988 χ^2/NDF : 74.6/64

- sign -287.471 ± 63.841 χ^2/NDF : 26.3/32

dit_asym_sam4_rms vs Slug



Right In: 261.089 ± 0.070 $\chi^2/\text{NDF}: 462662.2/15$

Left Out: 289.157 ± 0.058 $\chi^2/\text{NDF}: 359169.1/15$

Right Out: 252.787 ± 0.067 $\chi^2/\text{NDF}: 537290.6/18$

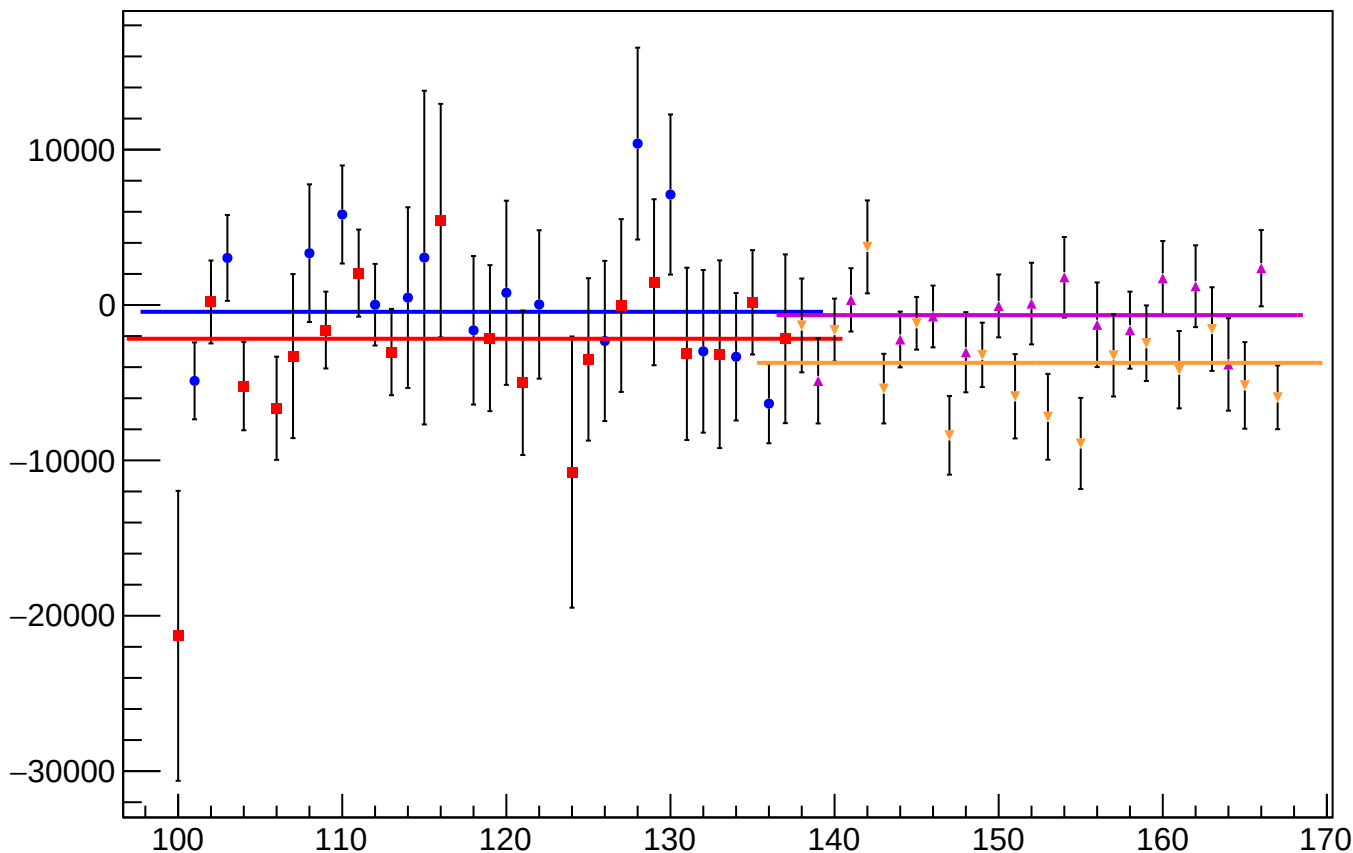
Left In: 288.382 ± 0.061 $\chi^2/\text{NDF}: 240713.9/13$

+ sign 277.697 ± 0.045 $\chi^2/\text{NDF}: 916514.4/31$

All: 275.031 ± 0.032 $\chi^2/\text{NDF}: 1855579.2/64$

- sign 272.328 ± 0.045 $\chi^2/\text{NDF}: 931945.3/32$

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732 ± 955.134 χ^2/NDF : 21.2/15

Left Out: -3719.876 ± 601.757 χ^2/NDF : 22.0/15

Right Out: -2172.091 ± 901.102 χ^2/NDF : 14.0/18

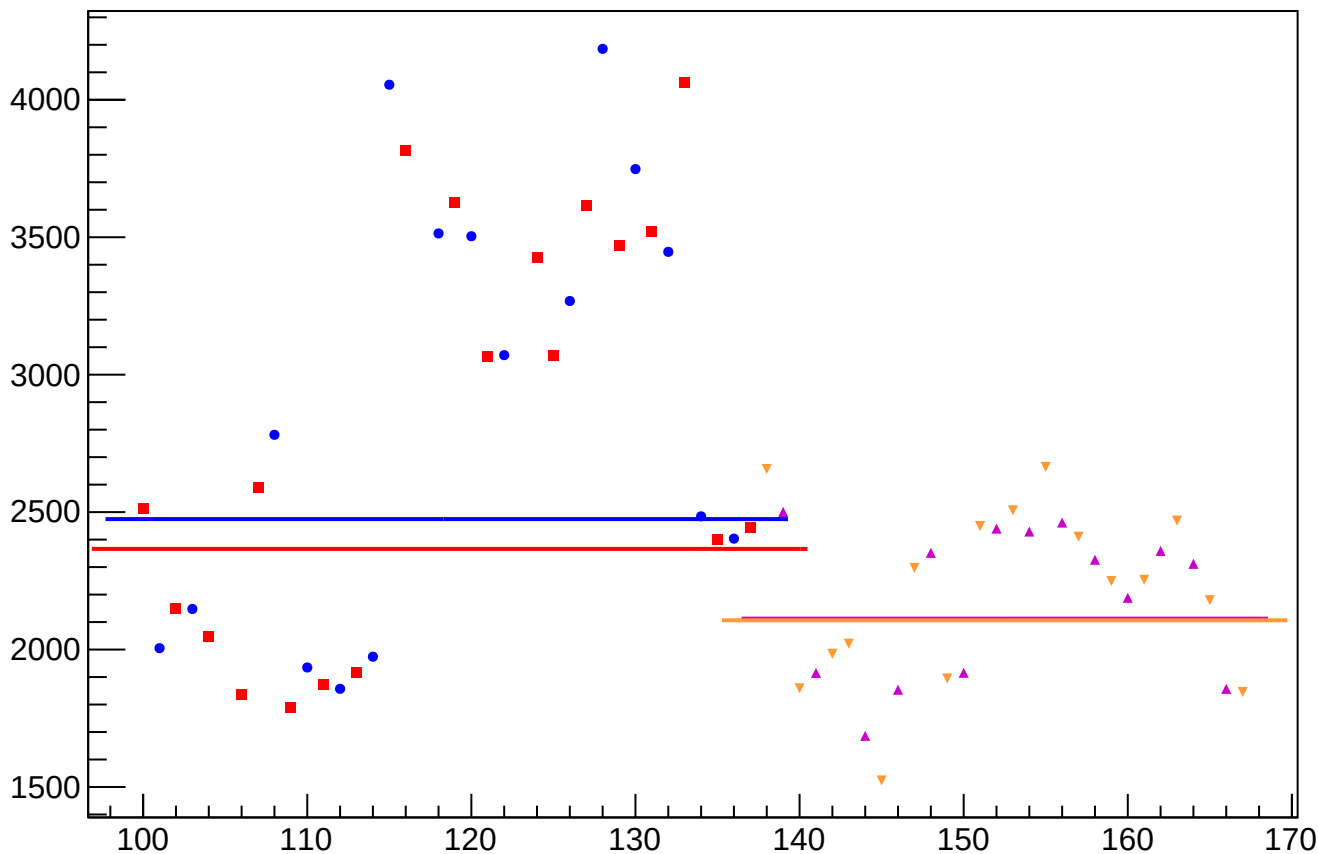
Left In: -649.974 ± 629.804 χ^2/NDF : 9.6/13

+ sign -2786.988 ± 509.136 χ^2/NDF : 51.6/31

All: -1979.552 ± 362.491 χ^2/NDF : 82.3/64

- sign -1149.505 ± 516.216 χ^2/NDF : 25.5/32

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF : 916250.9/15

Left Out: 2106.482+/-0.426 χ^2/NDF : 627330.9/15

Right Out: 2366.221+/-0.637 χ^2/NDF : 1077175.3/18

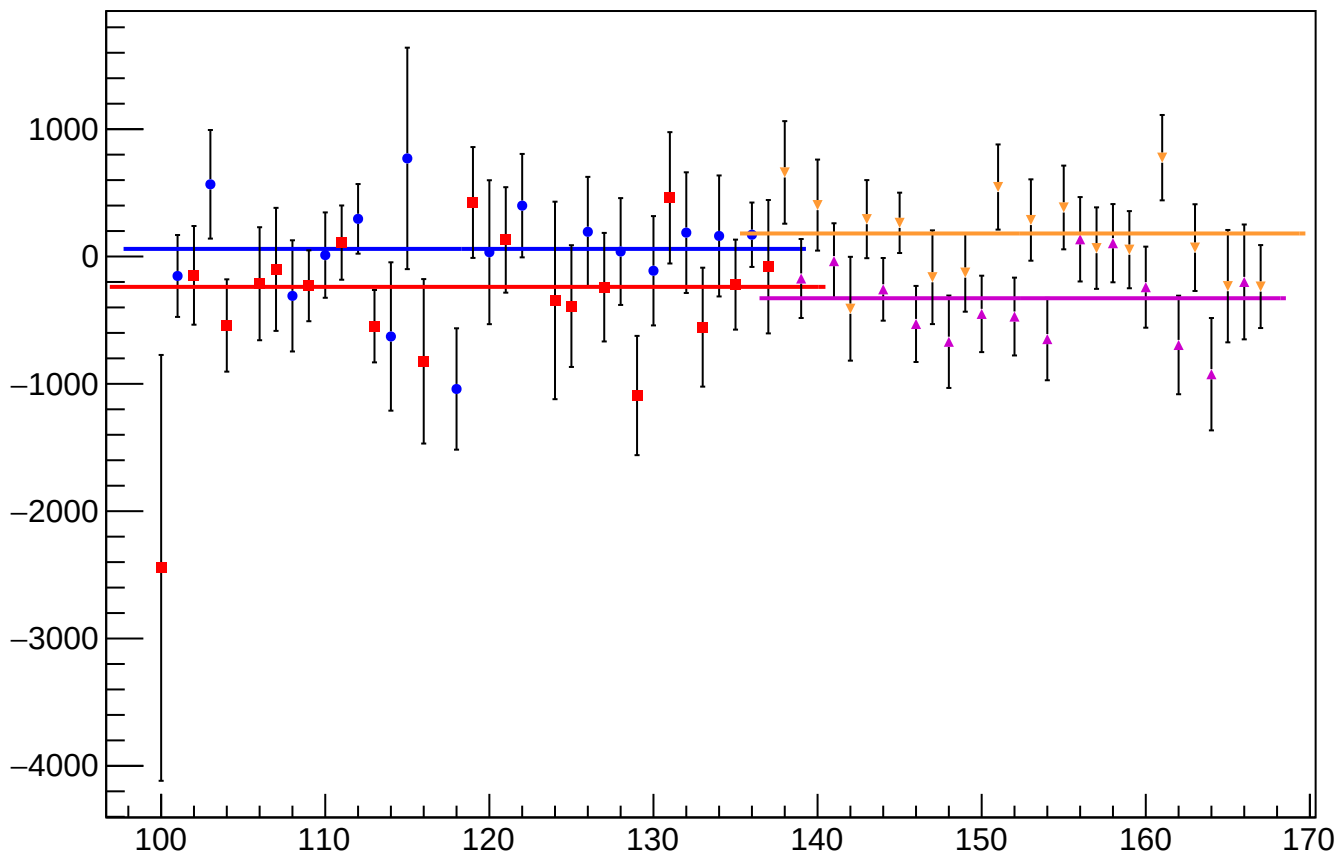
Left In: 2112.477+/-0.445 χ^2/NDF : 400871.1/13

+ sign 2211.087+/-0.360 χ^2/NDF : 1756274.9/31

All: 2203.525+/-0.256 χ^2/NDF : 3341758.9/64

- sign 2195.752+/-0.365 χ^2/NDF : 1584589.3/32

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734 ± 99.230 χ^2/NDF : 12.0/15

Left Out: 180.836 ± 82.428 χ^2/NDF : 13.8/15

Right Out: -238.515 ± 95.062 χ^2/NDF : 14.9/18

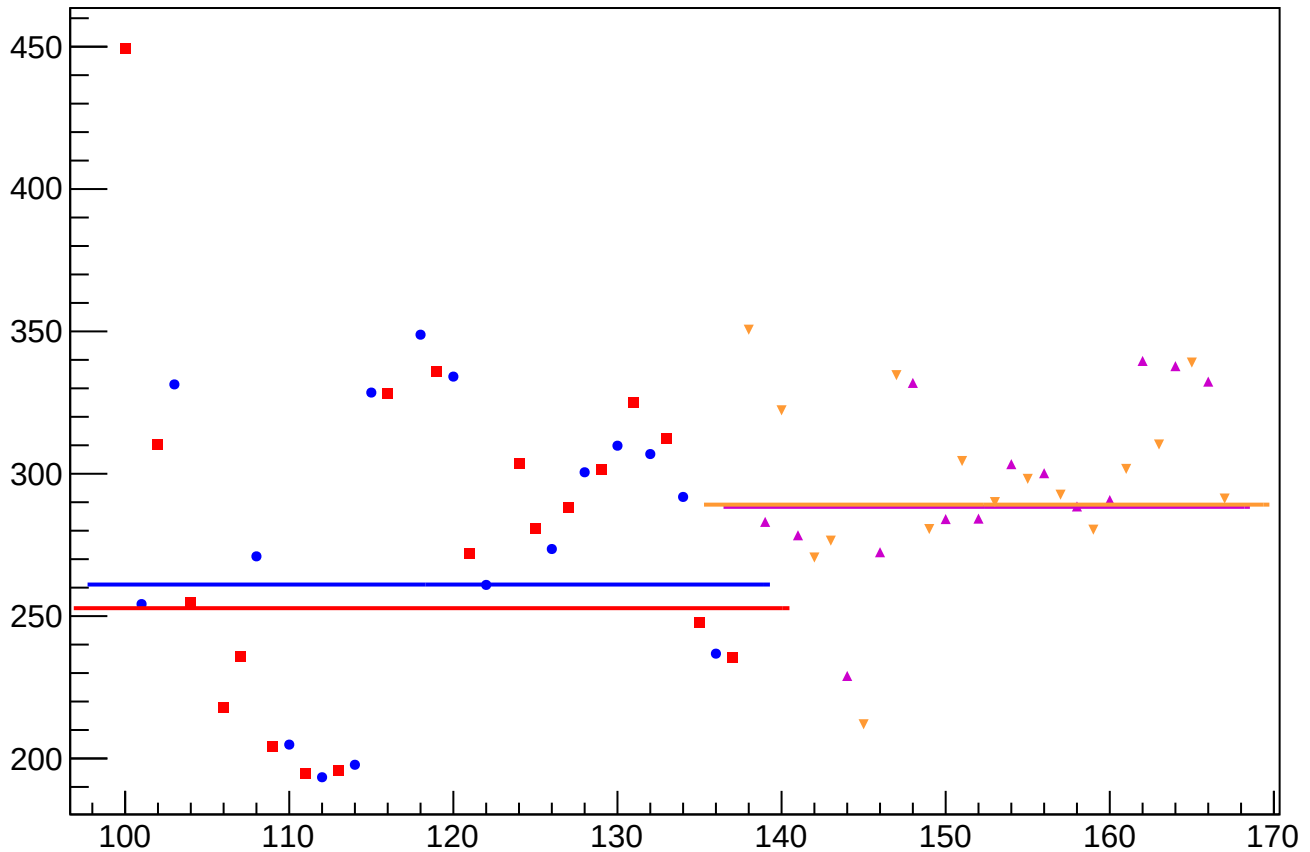
Left In: -327.688 ± 86.162 χ^2/NDF : 10.8/13

+ sign 131.390 ± 63.406 χ^2/NDF : 26.7/31

All: -76.607 ± 44.988 χ^2/NDF : 74.6/64

- sign -287.471 ± 63.841 χ^2/NDF : 26.3/32

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089 $\pm$ 0.070 χ^2 /NDF: 462665.3/15

Left Out: 289.157 $\pm$ 0.058 χ^2 /NDF: 359165.6/15

Right Out: 252.787 $\pm$ 0.067 χ^2 /NDF: 537293.8/18

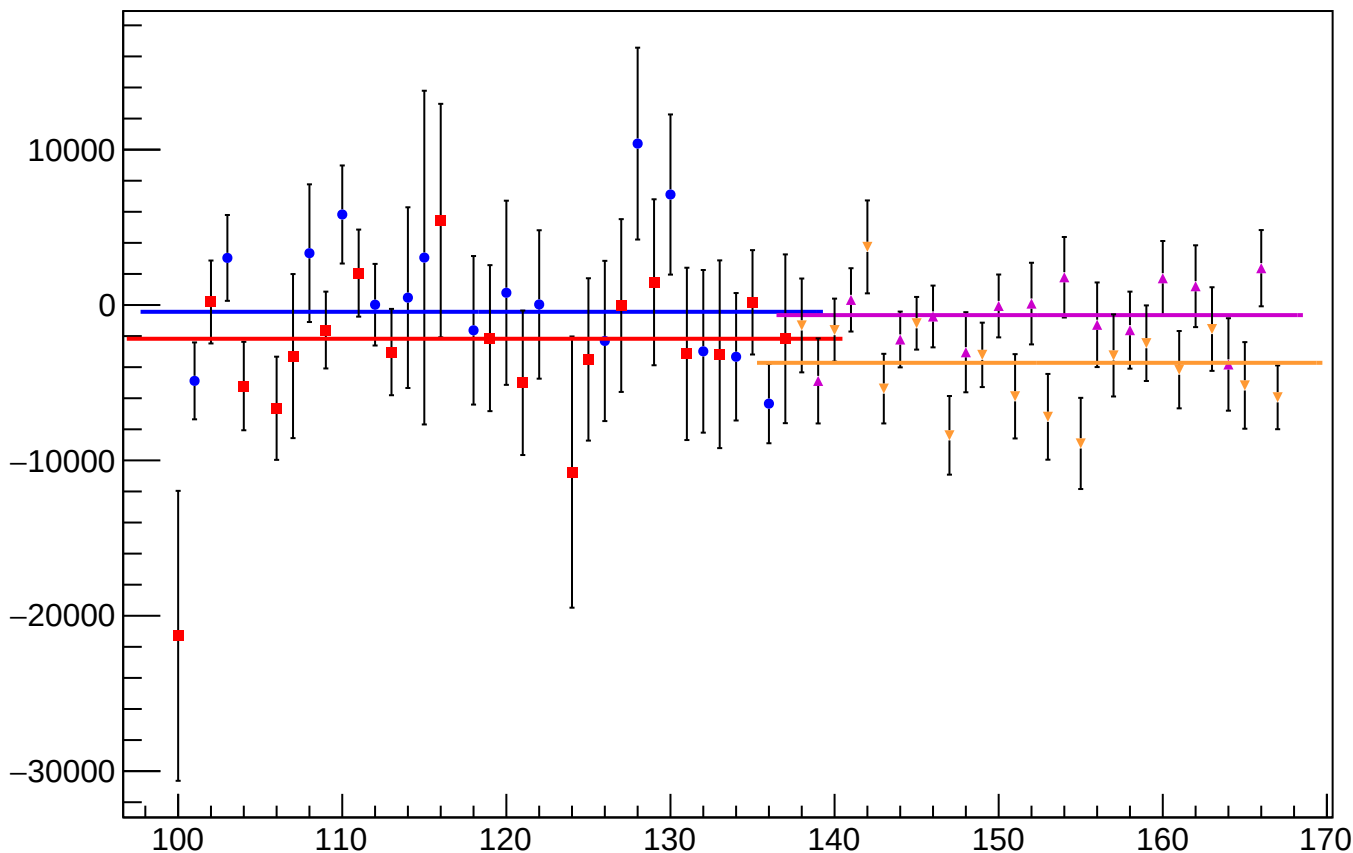
Left In: 288.382 $\pm$ 0.061 χ^2 /NDF: 240711.8/13

+ sign 277.697 $\pm$ 0.045 χ^2 /NDF: 916516.6/31

All: 275.031 $\pm$ 0.032 χ^2 /NDF: 1855586.8/64

- sign 272.329 $\pm$ 0.045 χ^2 /NDF: 931950.5/32

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731 $\pm$ 955.133 χ^2 /NDF: 21.2/15

Left Out: -3719.868 $\pm$ 601.757 χ^2 /NDF:22.0/15

Right Out: -2172.089 $\pm$ 901.101 χ^2 /NDF: 14.0/18

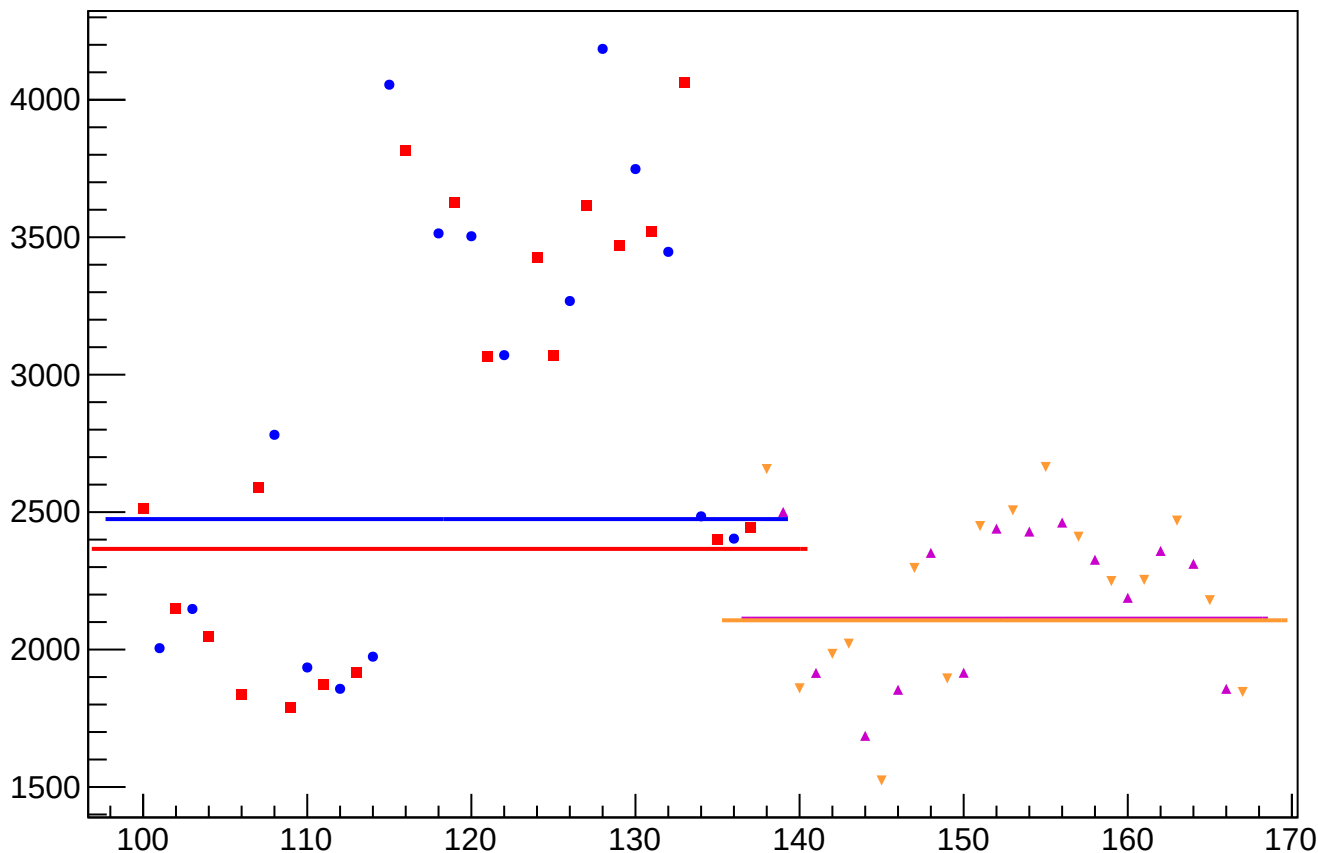
Left In: -649.972 $\pm$ 629.804 χ^2 /NDF:9.6/13

+ sign -2786.982 $\pm$ 509.136 χ^2 /NDF: 51.6/31

All: -1979.549 $\pm$ 362.490 χ^2 /NDF: 82.3/64

- sign -1149.503 $\pm$ 516.215 χ^2 /NDF: 25.5/32

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620 $\pm$ 0.675 χ^2/NDF : 916254.1/15

Left Out: 2106.479 $\pm$ 0.426 χ^2/NDF : 627335.8/15

Right Out: 2366.219 $\pm$ 0.637 χ^2/NDF : 1077177.7/18

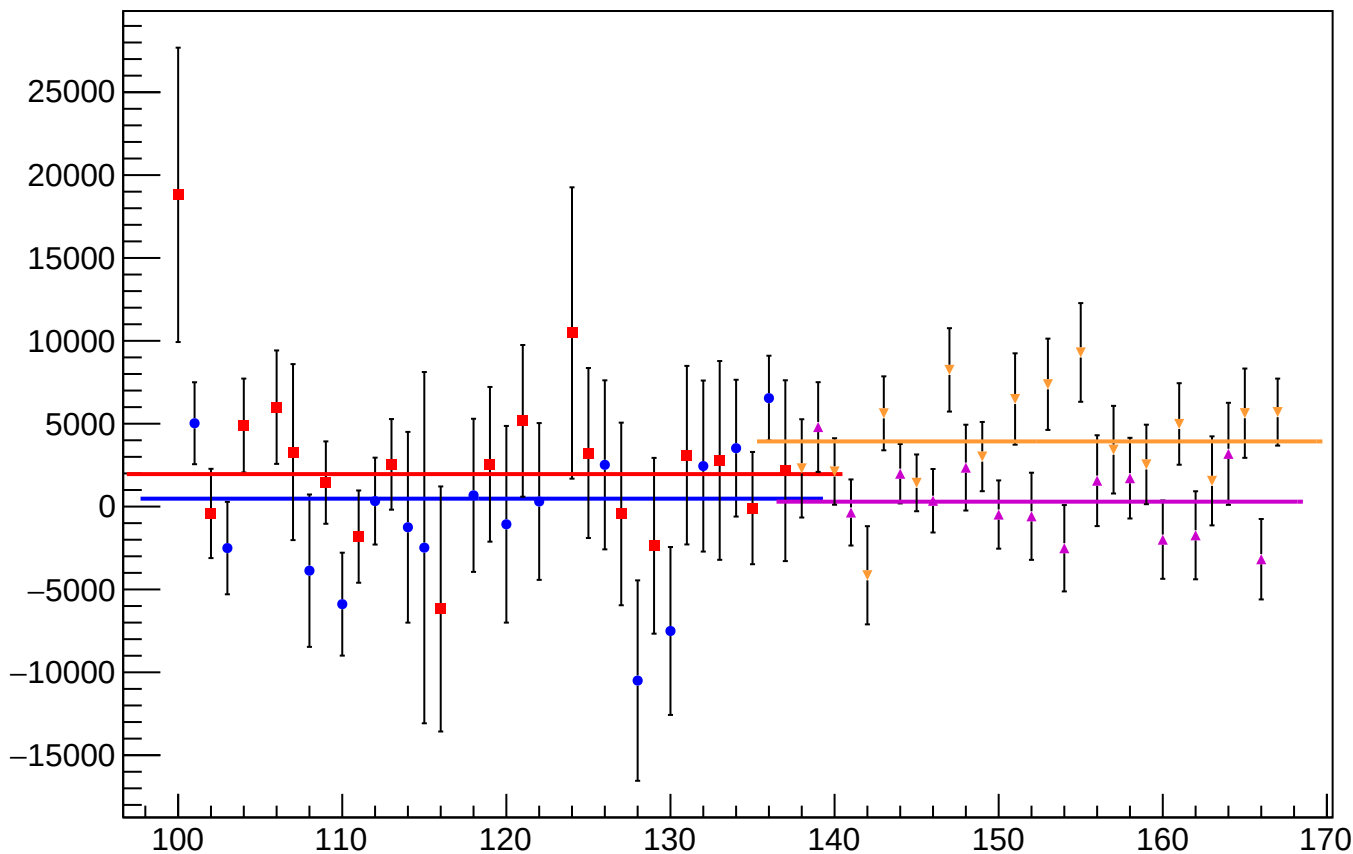
Left In: 2112.476 $\pm$ 0.445 χ^2/NDF : 400870.3/13

+ sign 2211.084 $\pm$ 0.360 χ^2/NDF : 1756284.6/31

All: 2203.523 $\pm$ 0.256 χ^2/NDF : 3341770.2/64

- sign 2195.750 $\pm$ 0.365 χ^2/NDF : 1584591.0/32

asym_sam4_mean vs Slug



Right In: 477.284 $\pm$ 952.752 χ^2/NDF : 22.1/15

Left Out: 3931.474 $\pm$ 599.271 χ^2/NDF : 22.6/15

Right Out: 1959.491 $\pm$ 899.702 χ^2/NDF : 12.8/18

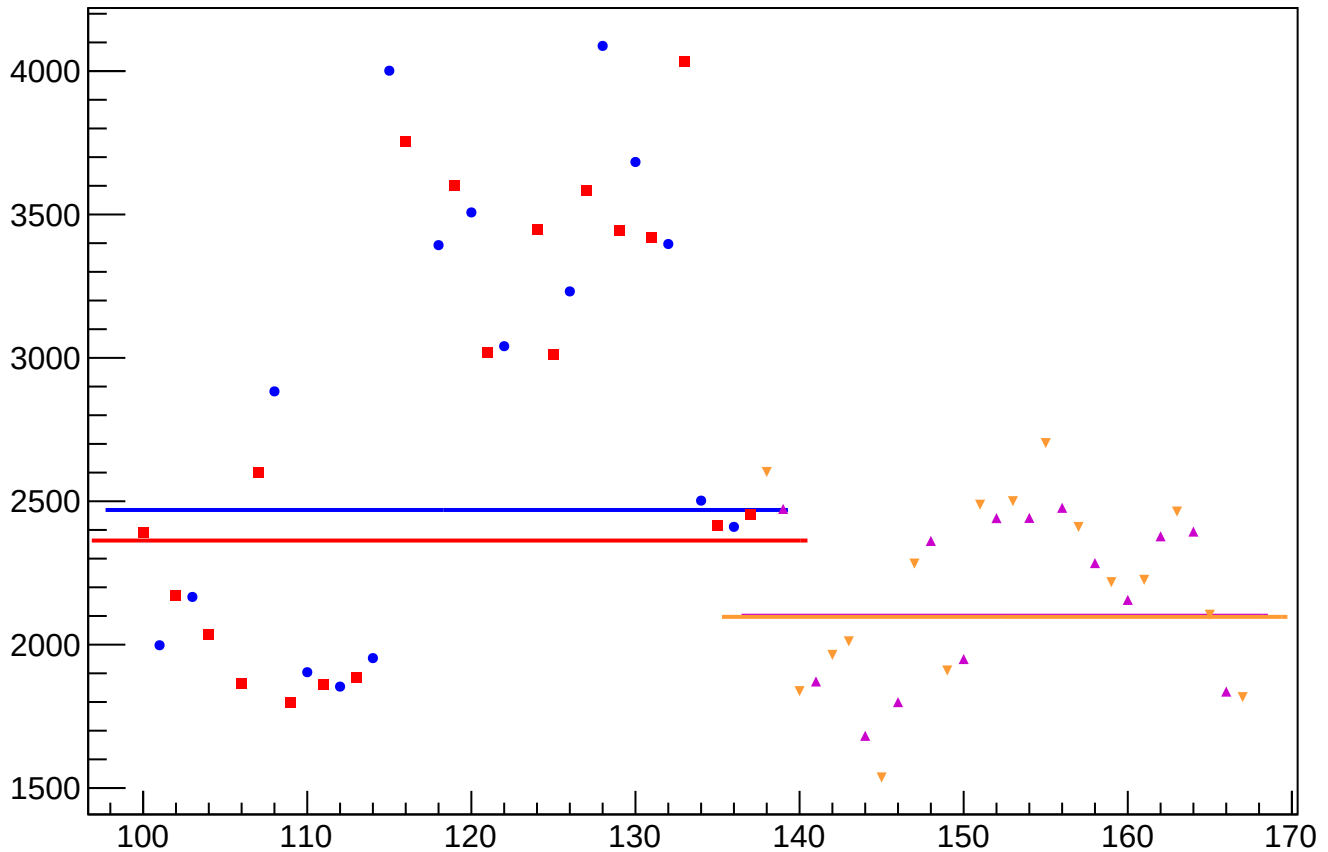
Left In: 295.298 $\pm$ 626.591 χ^2/NDF : 10.8/13

+ sign 2952.291 $\pm$ 507.269 χ^2/NDF : 54.1/31

All: 1909.868 $\pm$ 361.112 χ^2/NDF : 88.6/64

- sign 838.847 $\pm$ 514.181 χ^2/NDF : 26.0/32

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF : 886179.0/15

Left Out: 2096.928+/-0.424 χ^2/NDF : 619540.9/15

+ sign 2202.583+/-0.359 χ^2/NDF : 1725022.6/31

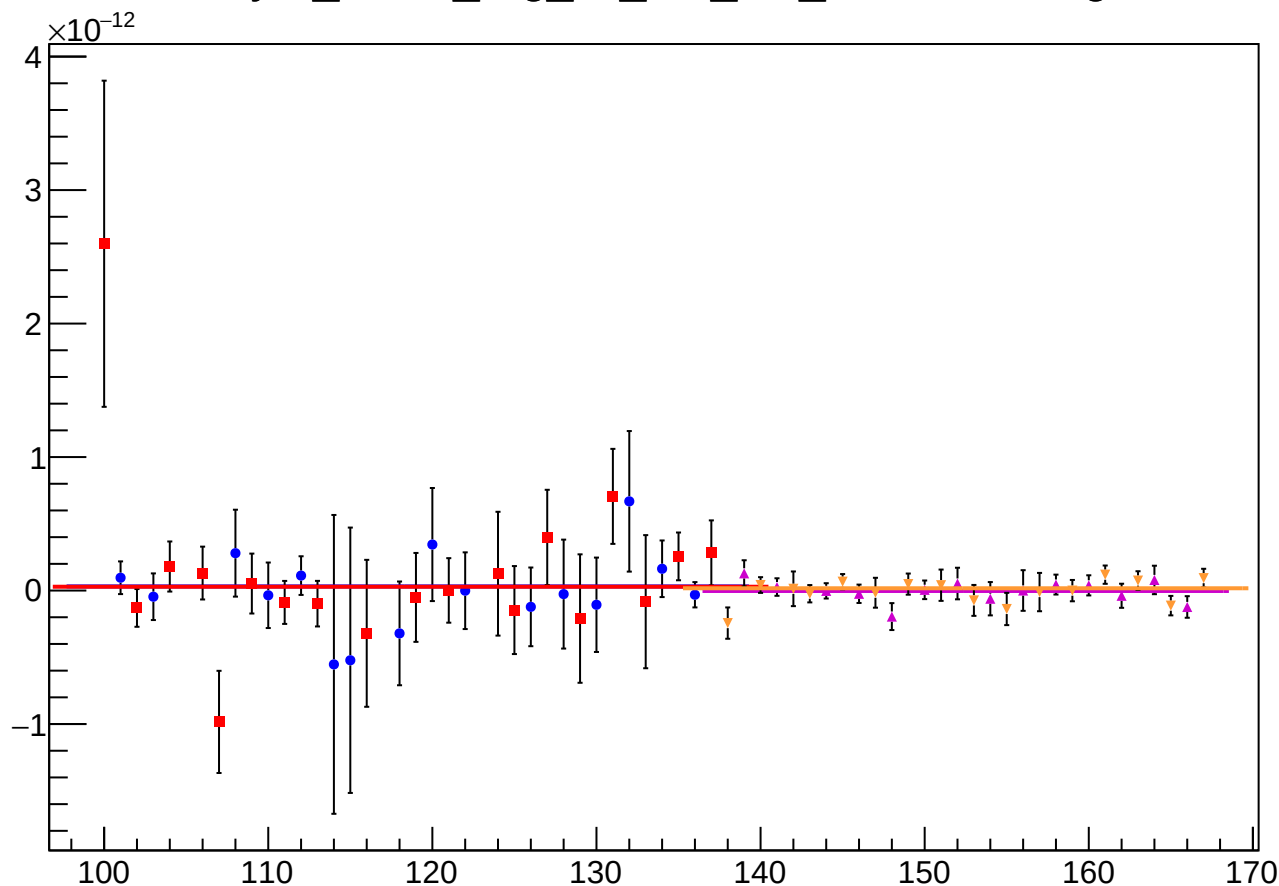
Right Out: 2363.052+/-0.636 χ^2/NDF : 1043344.3/18

All: 2194.641+/-0.255 χ^2/NDF : 3319432.6/64

- sign 2186.482+/-0.364 χ^2/NDF : 1593416.2/32

Left In: 2100.840+/-0.443 χ^2/NDF : 435677.4/13

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 : 16.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 23.2/18

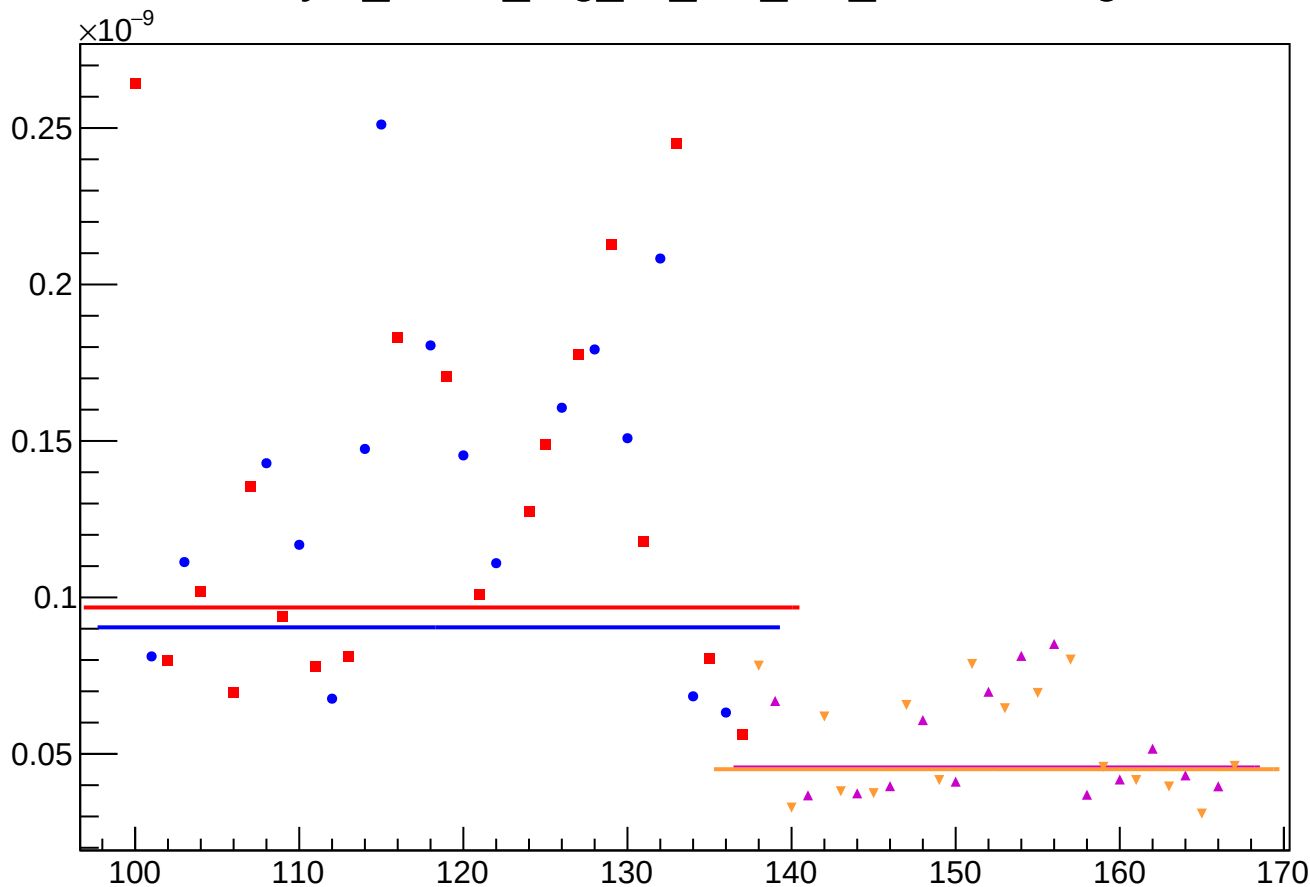
Left In: -0.000+/-0.000 χ^2/NDF : 9.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 22.3/31

All: 0.000+/-0.000 χ^2/NDF : 56.1/64

- sign 0.000+/-0.000 χ^2/NDF : 33.3/32

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 : 925531.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 851500.3/18

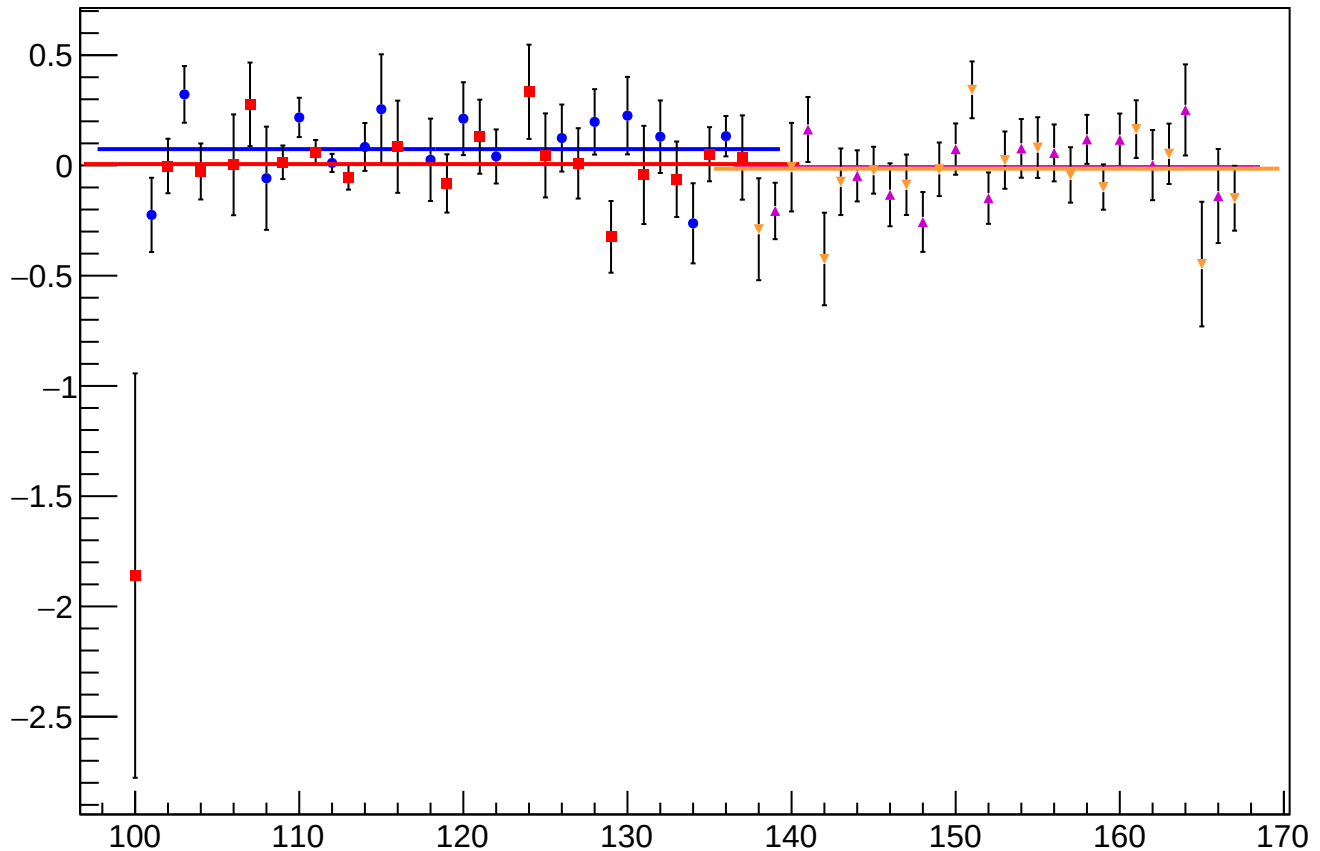
Left In: 0.000+/-0.000 χ^2/NDF : 675577.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 3147210.8/31

All: 0.000+/-0.000 χ^2/NDF : 6126428.8/64

- sign 0.000+/-0.000 χ^2/NDF : 2972827.4/32

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 $\chi^2/\text{NDF}: 19.0/15$

Left Out: -0.015 ± 0.035 $\chi^2/\text{NDF}: 20.0/15$

Right Out: 0.006 ± 0.027 $\chi^2/\text{NDF}: 16.4/18$

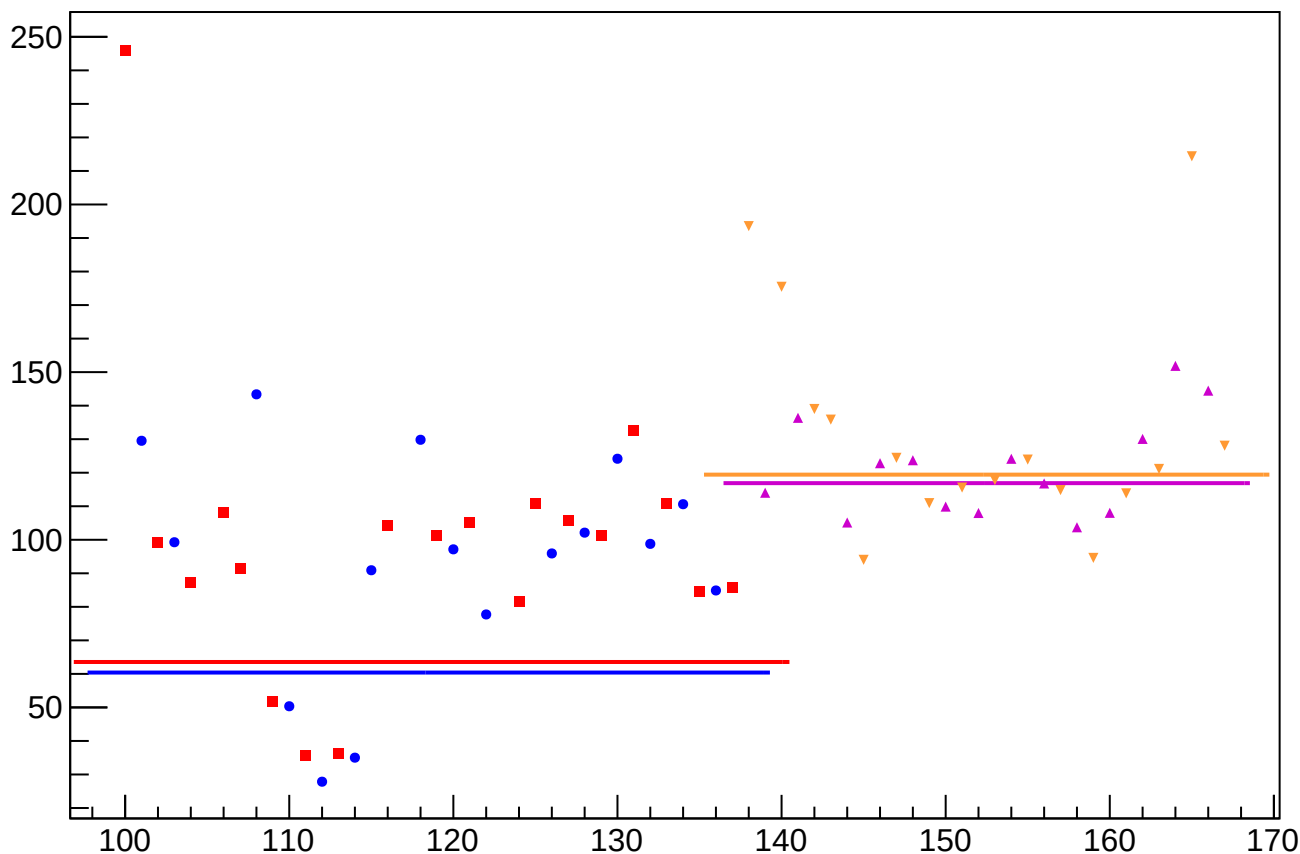
Left In: -0.008 ± 0.036 $\chi^2/\text{NDF}: 14.9/13$

+ sign 0.041 ± 0.021 $\chi^2/\text{NDF}: 42.9/31$

All: 0.021 ± 0.015 $\chi^2/\text{NDF}: 76.1/64$

- sign 0.001 ± 0.021 $\chi^2/\text{NDF}: 31.5/32$

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF : 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF : 889103.5/15

Right Out: 63.553+/-0.019 χ^2/NDF : 2654516.9/18

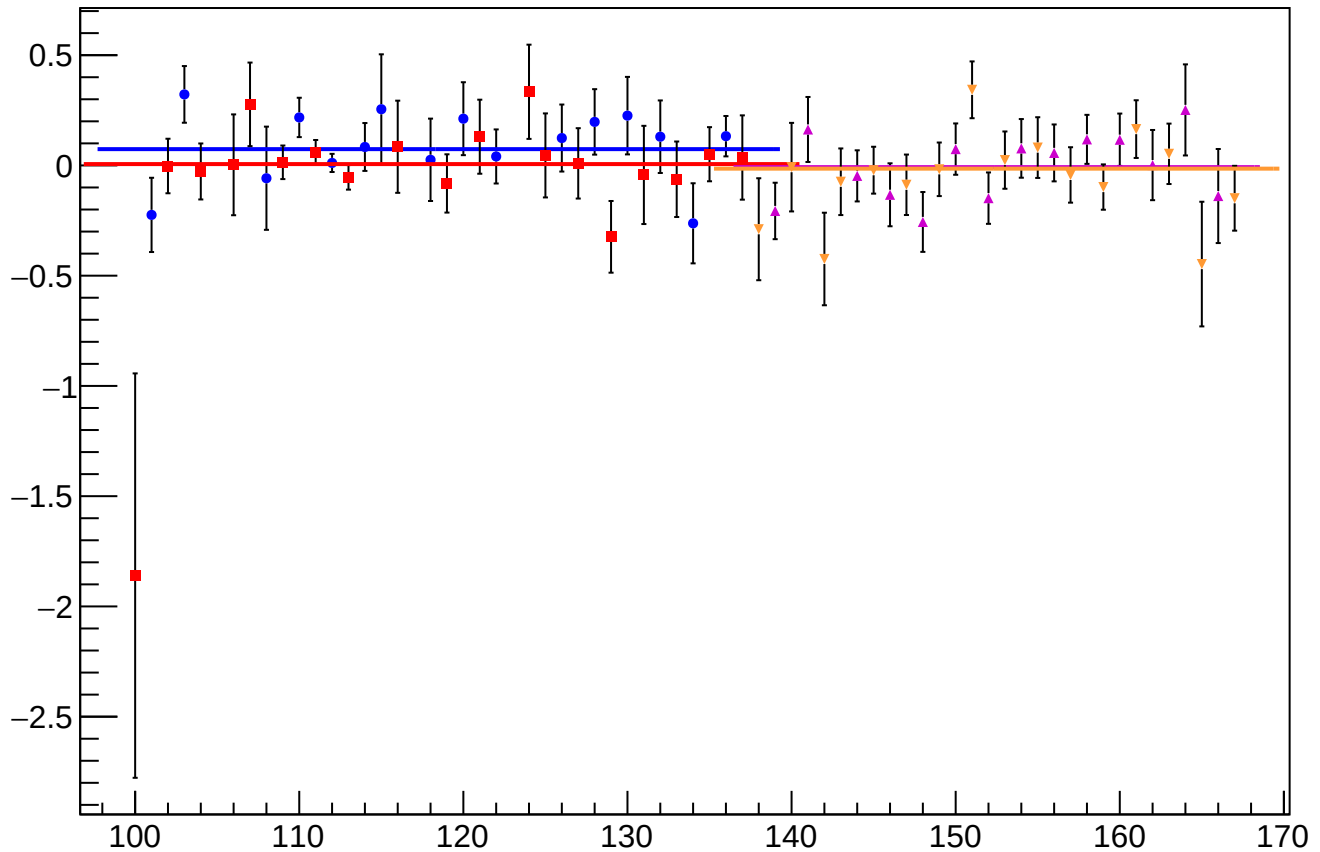
Left In: 116.891+/-0.025 χ^2/NDF : 233570.7/13

+ sign 82.502+/-0.015 χ^2/NDF : 8003078.5/31

All: 82.662+/-0.011 χ^2/NDF : 13746839.6/64

- sign 82.822+/-0.015 χ^2/NDF : 5743537.4/32

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 χ^2/NDF : 19.0/15

Left Out: -0.015 ± 0.035 χ^2/NDF : 20.0/15

Right Out: 0.006 ± 0.027 χ^2/NDF : 16.4/18

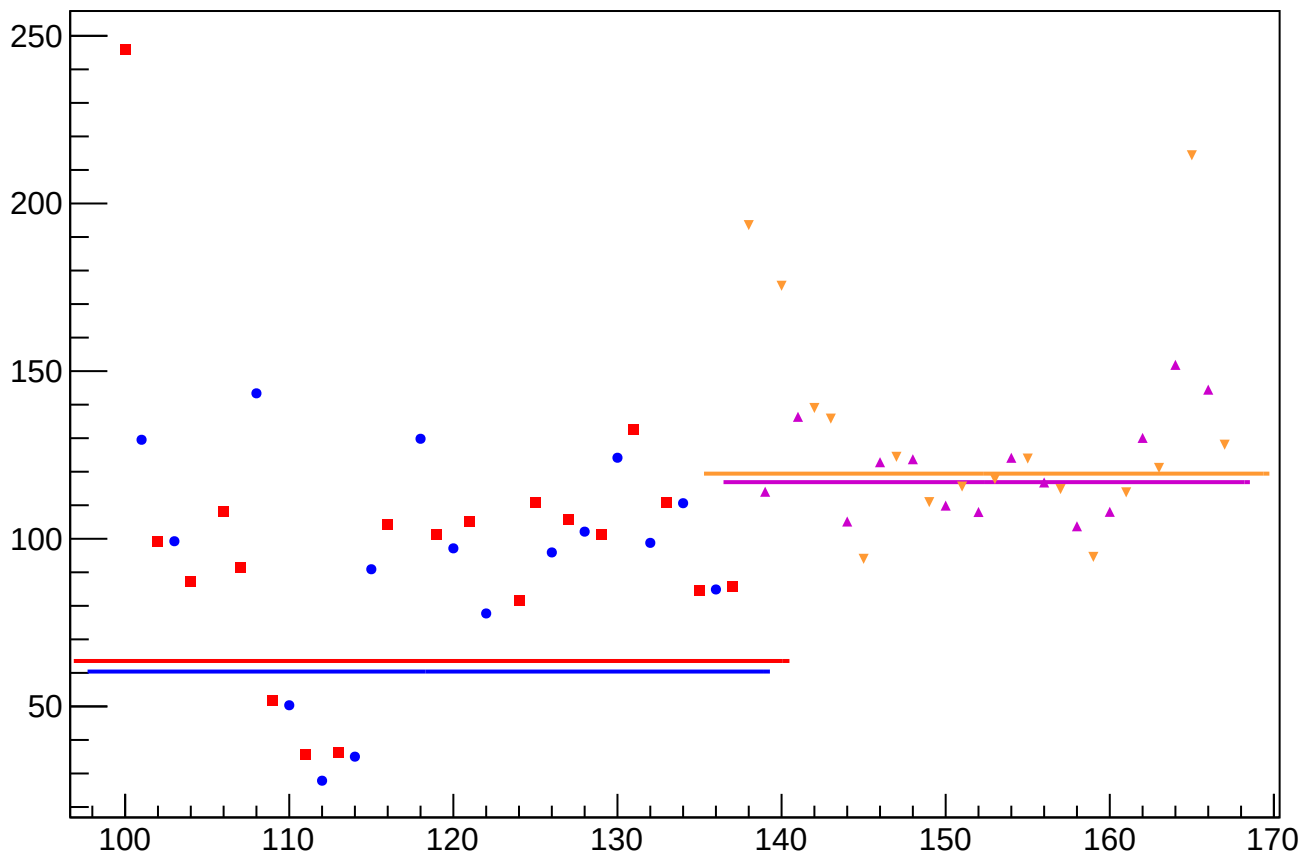
Left In: -0.008 ± 0.036 χ^2/NDF : 14.9/13

+ sign 0.041 ± 0.021 χ^2/NDF : 42.9/31

All: 0.021 ± 0.015 χ^2/NDF : 76.1/64

- sign 0.001 ± 0.021 χ^2/NDF : 31.5/32

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: 119.428 $\pm$ 0.025 χ^2/NDF : 889103.5/15

Right Out: 63.553 $\pm$ 0.019 χ^2/NDF : 2654516.9/18

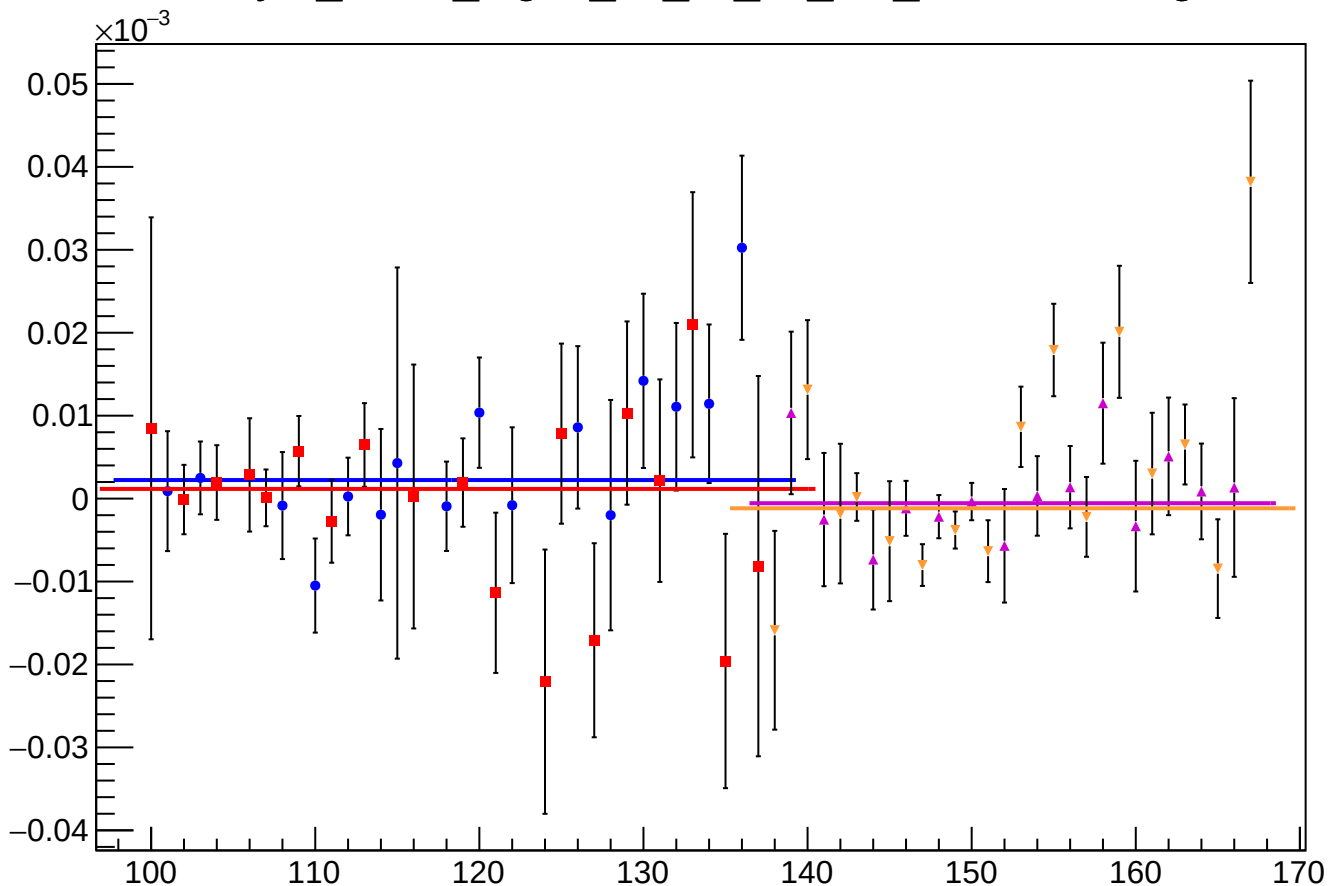
Left In: 116.891 $\pm$ 0.025 χ^2/NDF : 233570.7/13

+ sign 82.502 $\pm$ 0.015 χ^2/NDF : 8003078.5/31

All: 82.662 $\pm$ 0.011 χ^2/NDF : 13746839.6/64

- sign 82.822 $\pm$ 0.015 χ^2/NDF : 5743537.4/32

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 53.5/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.1/18

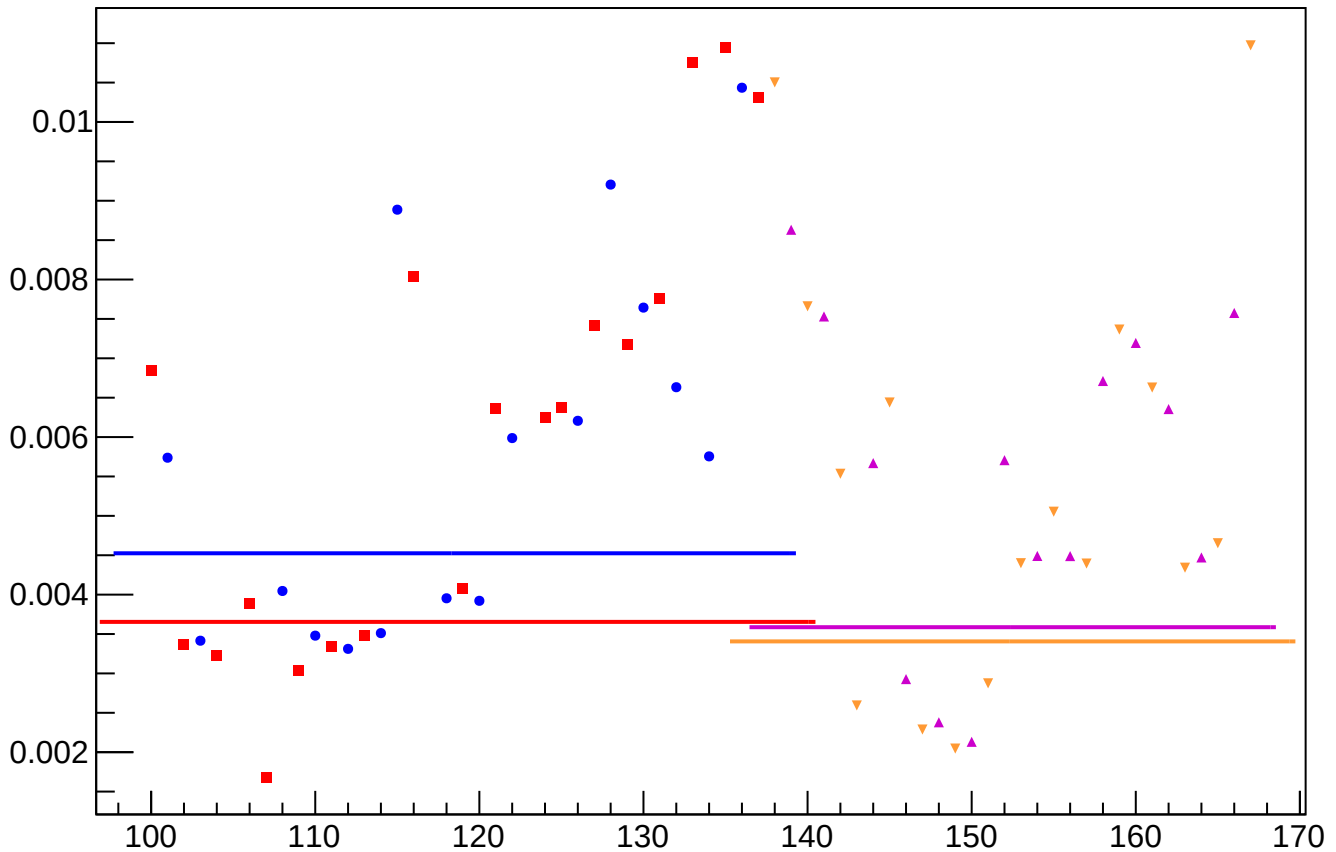
Left In: -0.000 ± 0.000 χ^2/NDF : 7.3/13

+ sign -0.000 ± 0.000 χ^2/NDF : 73.5/31

All: -0.000 ± 0.000 χ^2/NDF : 95.8/64

- sign 0.000 ± 0.000 χ^2/NDF : 22.2/32

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 +/- 0.000 χ^2/NDF : 1721333.3/15

Left Out: 0.003 +/- 0.000 χ^2/NDF : 5187261.3/15

Right Out: 0.004 +/- 0.000 χ^2/NDF : 2933246.9/18

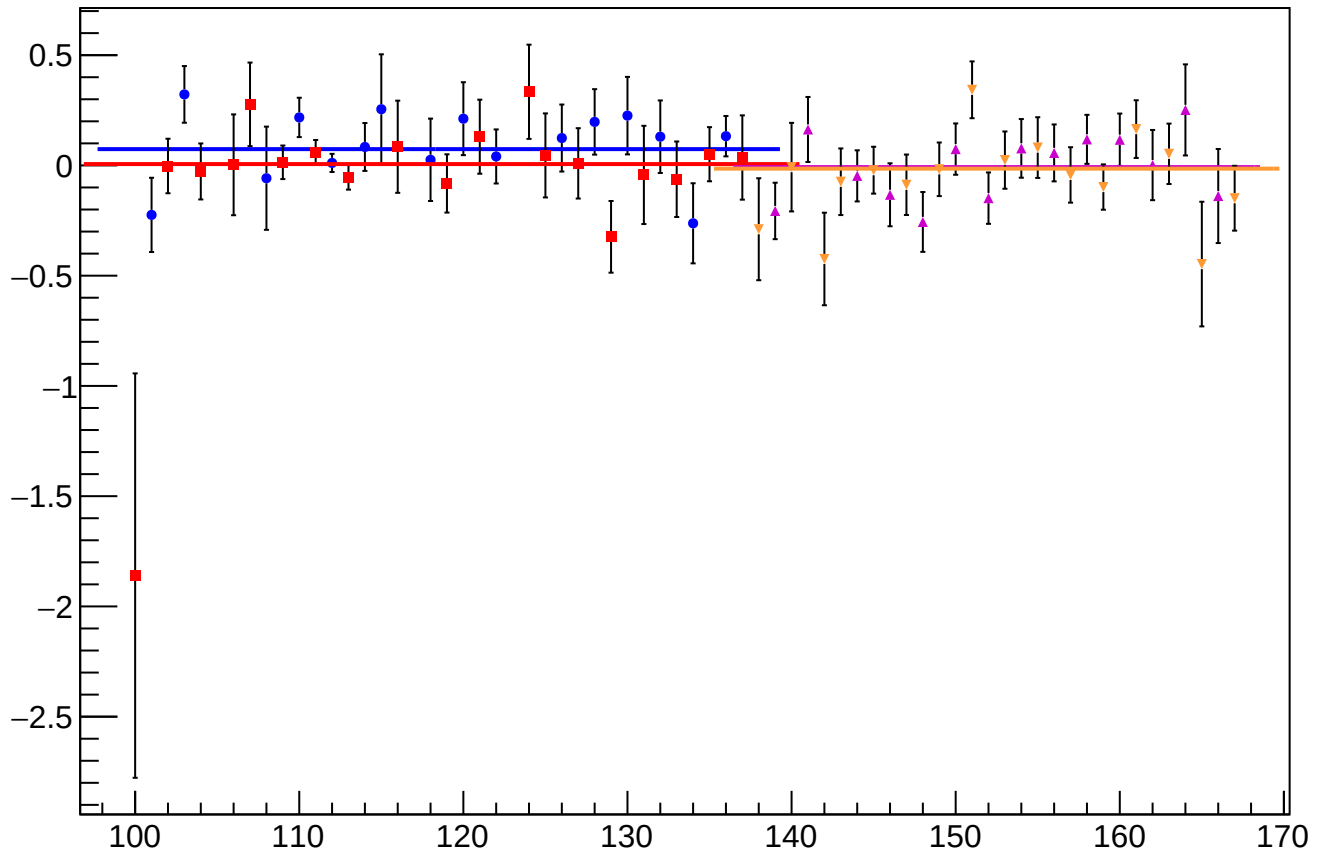
Left In: 0.004 +/- 0.000 χ^2/NDF : 4336379.2/13

+ sign 0.004 +/- 0.000 χ^2/NDF : 7467360.8/31

All: 0.004 +/- 0.000 χ^2/NDF : 14749130.2/64

- sign 0.004 +/- 0.000 χ^2/NDF : 7272080.9/32

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 χ^2/NDF : 19.0/15

Left Out: -0.015 ± 0.035 χ^2/NDF : 20.0/15

Right Out: 0.006 ± 0.027 χ^2/NDF : 16.4/18

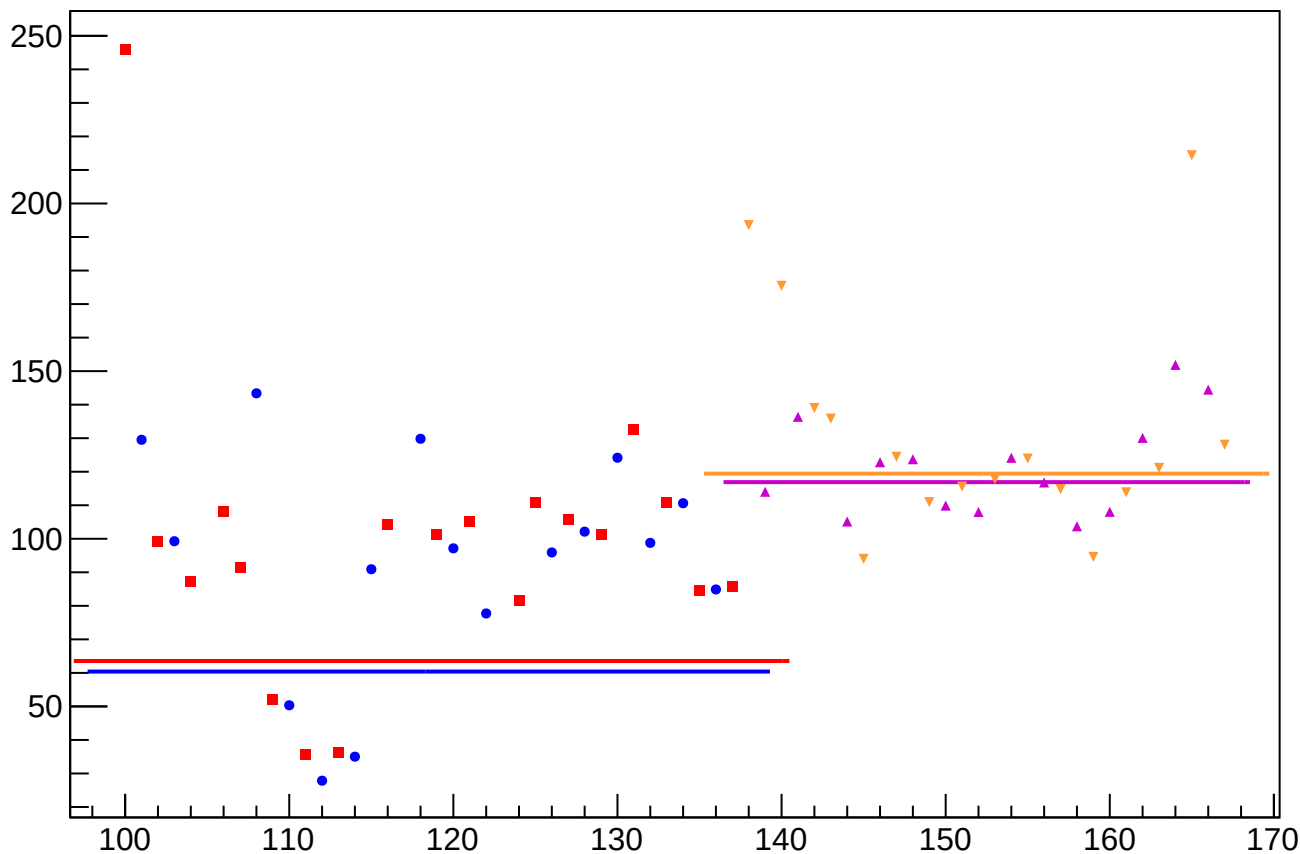
Left In: -0.008 ± 0.036 χ^2/NDF : 14.9/13

+ sign 0.041 ± 0.021 χ^2/NDF : 42.9/31

All: 0.021 ± 0.015 χ^2/NDF : 76.1/64

- sign 0.001 ± 0.021 χ^2/NDF : 31.5/32

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF : 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF : 889071.4/15

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

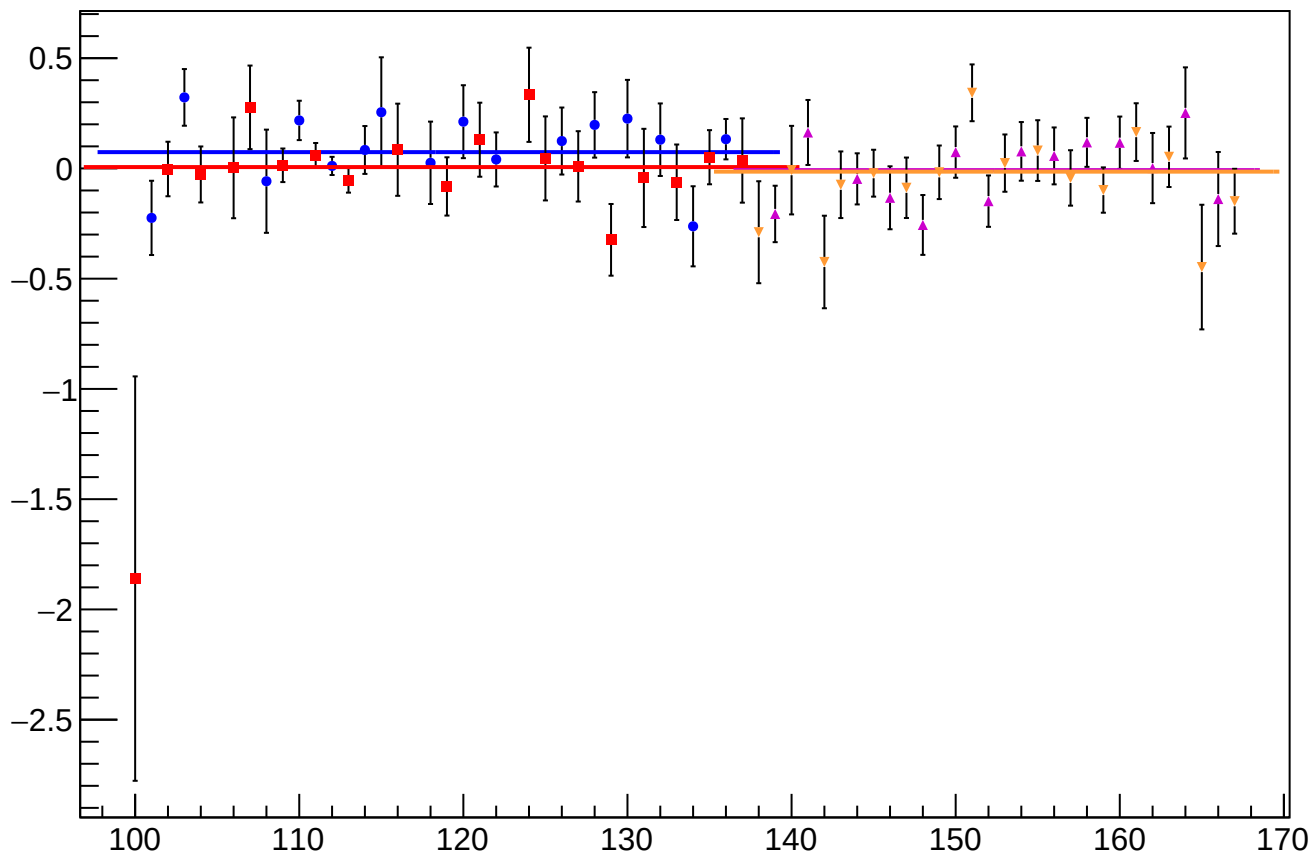
Left In: 116.892+/-0.025 χ^2/NDF : 233566.0/13

+ sign 82.500+/-0.015 χ^2/NDF : 8003720.3/31

All: 82.660+/-0.011 χ^2/NDF : 13748073.6/64

- sign 82.821+/-0.015 χ^2/NDF : 5744129.1/32

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: -0.015 ± 0.035 χ^2/NDF : 20.0/15

Right Out: 0.006 ± 0.027 χ^2/NDF : 16.4/18

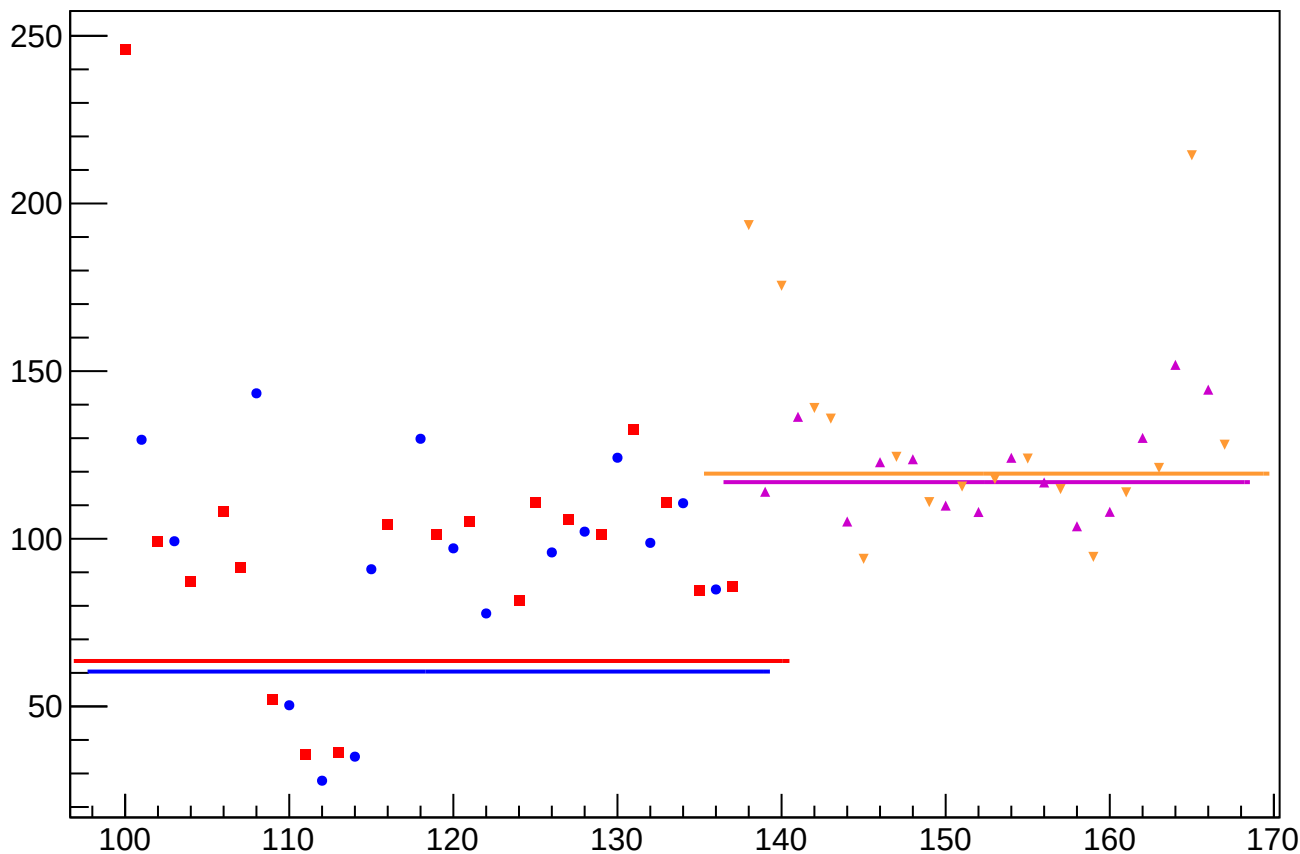
Left In: -0.008 ± 0.036 χ^2/NDF : 14.9/13

+ sign 0.041 ± 0.021 χ^2/NDF : 42.9/31

All: 0.021 ± 0.015 χ^2/NDF : 76.1/64

- sign 0.001 ± 0.021 χ^2/NDF : 31.5/32

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: 119.429 ± 0.025 χ^2/NDF : 889071.4/15

Right Out: 63.551 ± 0.019 χ^2/NDF : 2654786.8/18

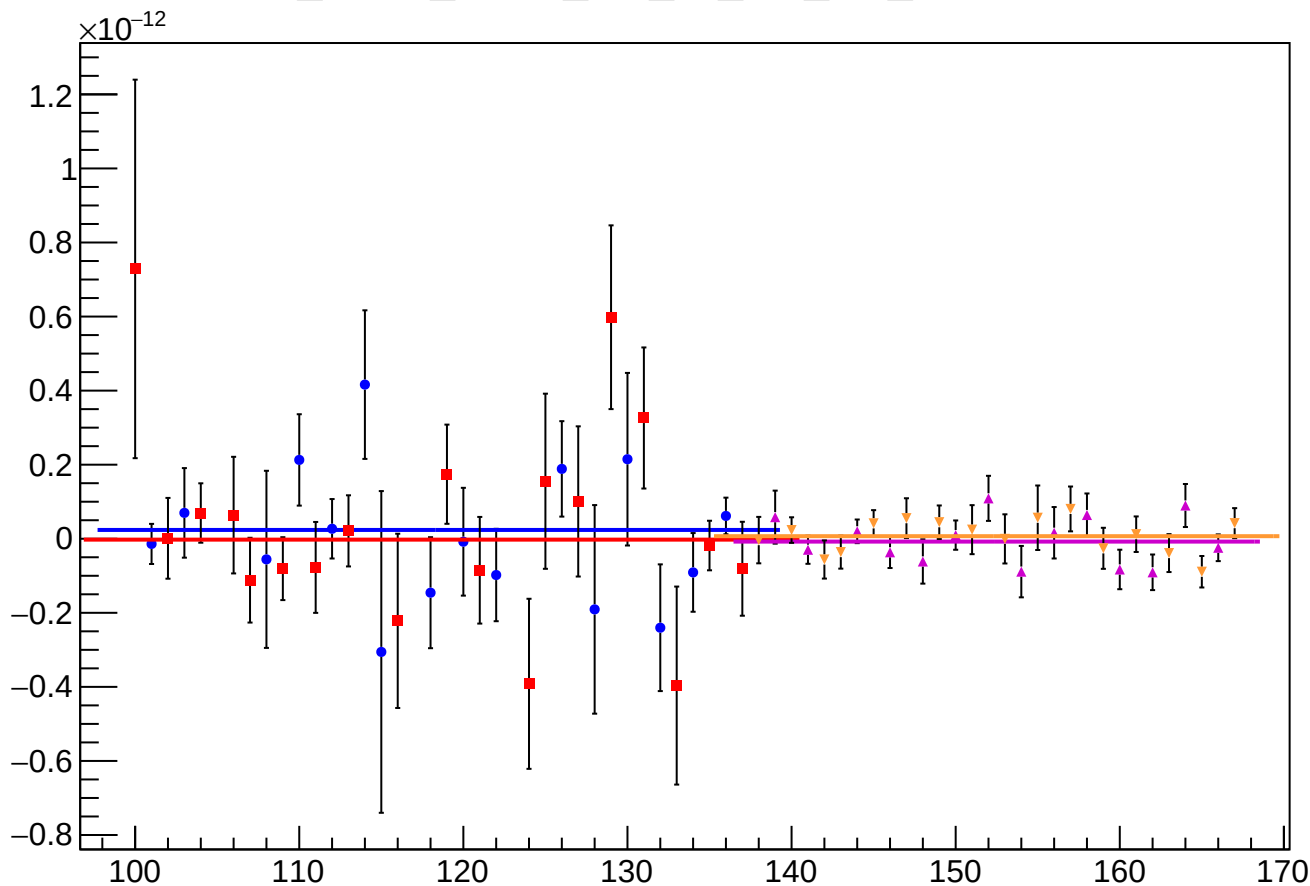
Left In: 116.892 ± 0.025 χ^2/NDF : 233566.0/13

+ sign 82.500 ± 0.015 χ^2/NDF : 8003720.3/31

All: 82.660 ± 0.011 χ^2/NDF : 13748073.6/64

- sign 82.821 ± 0.015 χ^2/NDF : 5744129.1/32

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 : 14.0/15

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 23.2/18

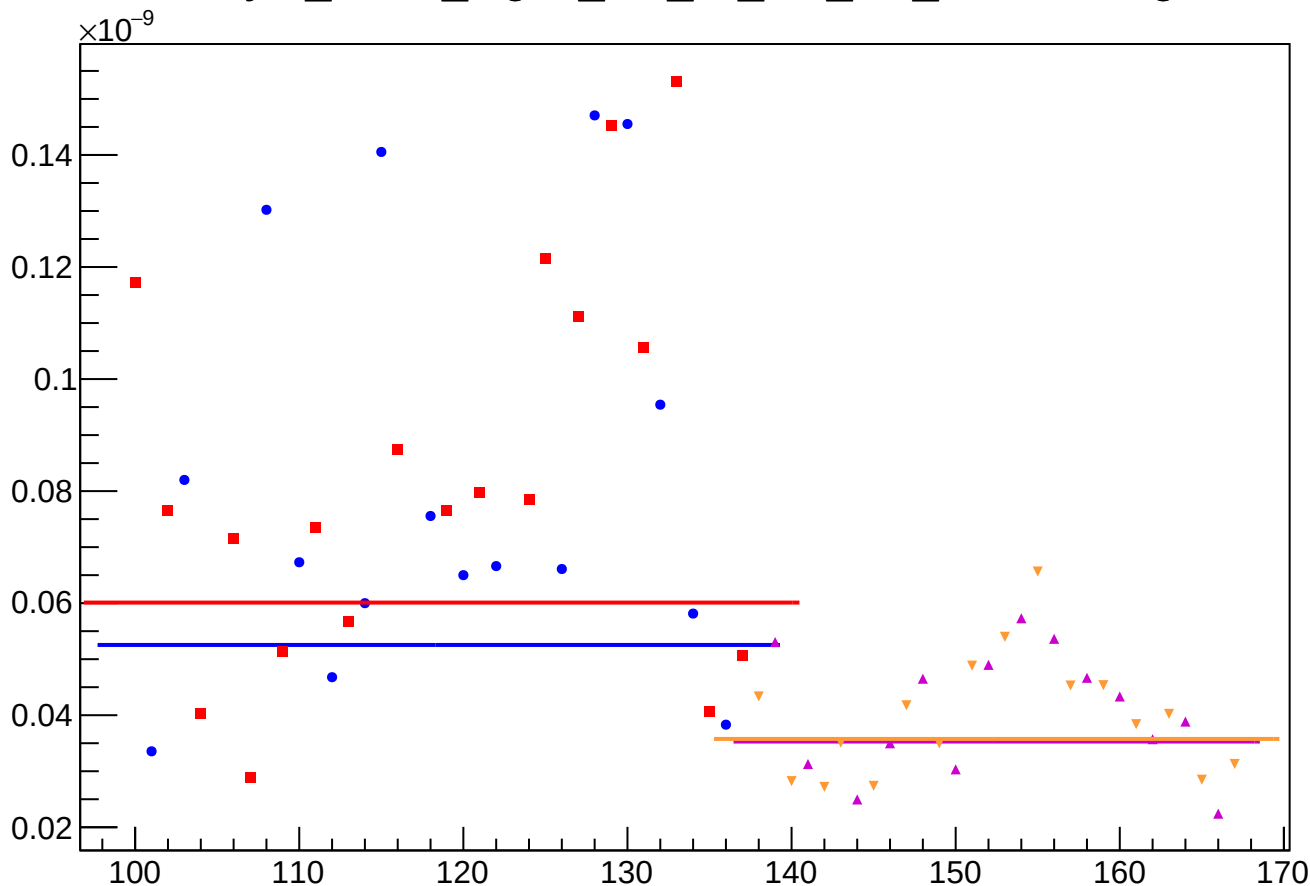
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 18.1/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 31.2/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 73.6/64

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 41.3/32

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 : 994312.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1539049.5/18

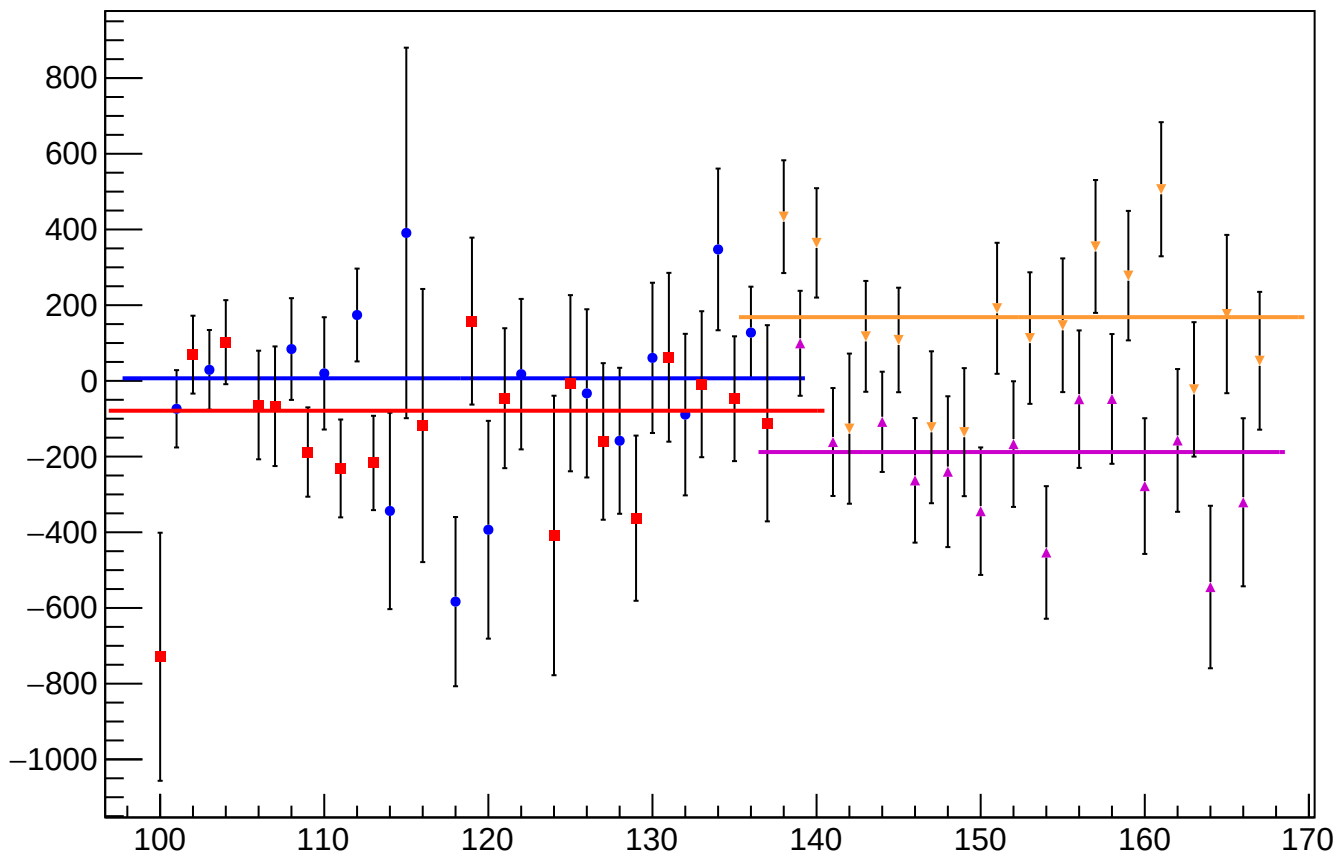
Left In: 0.000+/-0.000 χ^2/NDF : 1282361.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 3317886.4/31

All: 0.000+/-0.000 χ^2/NDF : 7378428.0/64

- sign 0.000+/-0.000 χ^2/NDF : 4057824.8/32

reg_asym_sam5_mean vs Slug



Right In: 6.811 ± 40.353 $\chi^2/\text{NDF}: 18.8/15$

Left Out: 168.357 ± 42.295 $\chi^2/\text{NDF}: 19.7/15$

Right Out: -78.883 ± 37.906 $\chi^2/\text{NDF}: 16.7/18$

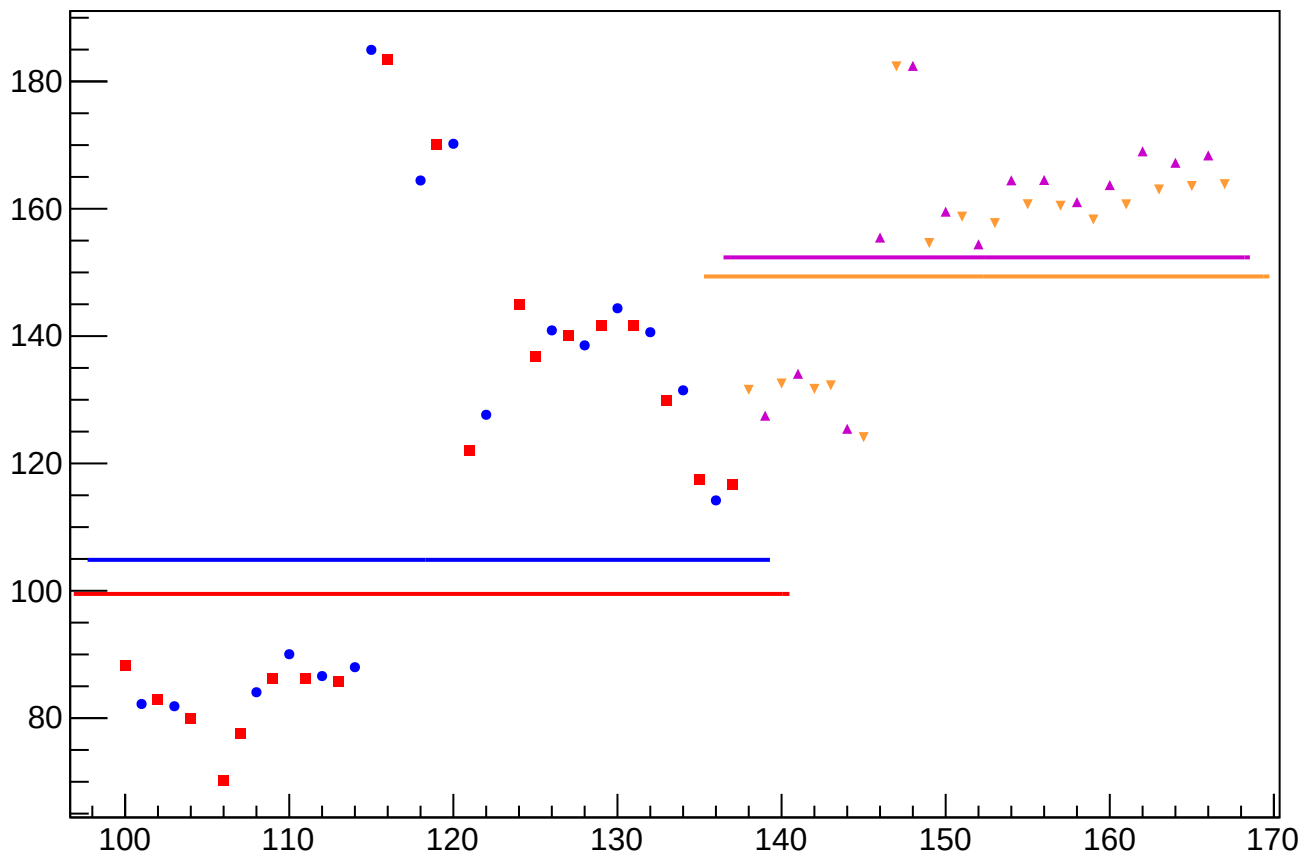
Left In: -188.057 ± 45.172 $\chi^2/\text{NDF}: 12.8/13$

+ sign 83.790 ± 29.196 $\chi^2/\text{NDF}: 46.2/31$

All: -20.671 ± 20.588 $\chi^2/\text{NDF}: 104.5/64$

- sign -123.994 ± 29.037 $\chi^2/\text{NDF}: 32.9/32$

reg_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931228.4/15

Left Out: 149.367 $\pm$ 0.030 χ^2 /NDF: 295719.4/15

Right Out: 99.508 $\pm$ 0.027 χ^2 /NDF: 1039037.0/18

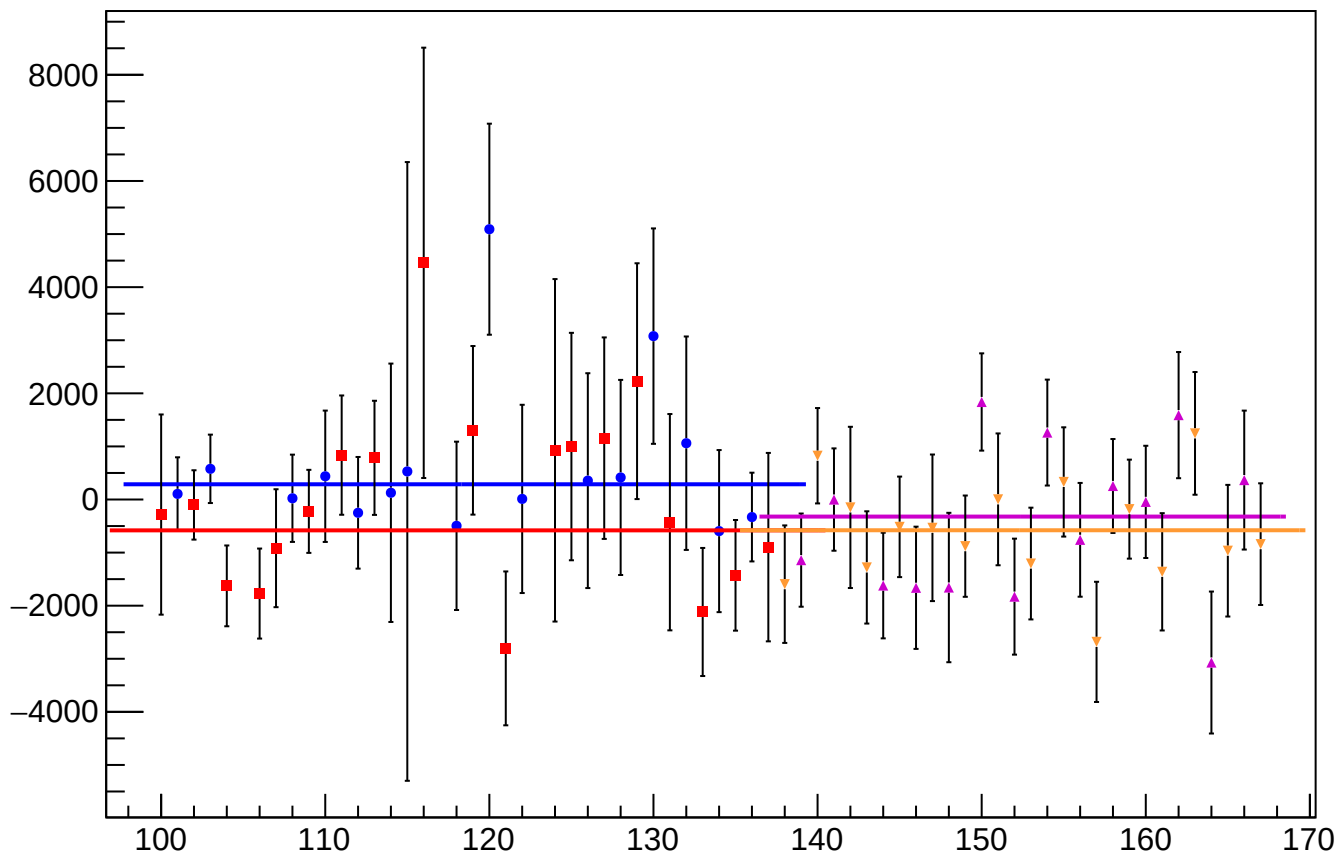
Left In: 152.366 $\pm$ 0.032 χ^2 /NDF: 297365.2/13

+ sign 126.068 $\pm$ 0.021 χ^2 /NDF: 2386319.4/31

All: 123.696 $\pm$ 0.015 χ^2 /NDF: 5355970.4/64

- sign 121.349 $\pm$ 0.021 χ^2 /NDF: 2943380.6/32

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915 ± 293.474 χ^2/NDF : 9.7/15

Left Out: -579.227 ± 271.879 χ^2/NDF : 12.0/15

Right Out: -581.217 ± 269.775 χ^2/NDF : 18.8/18

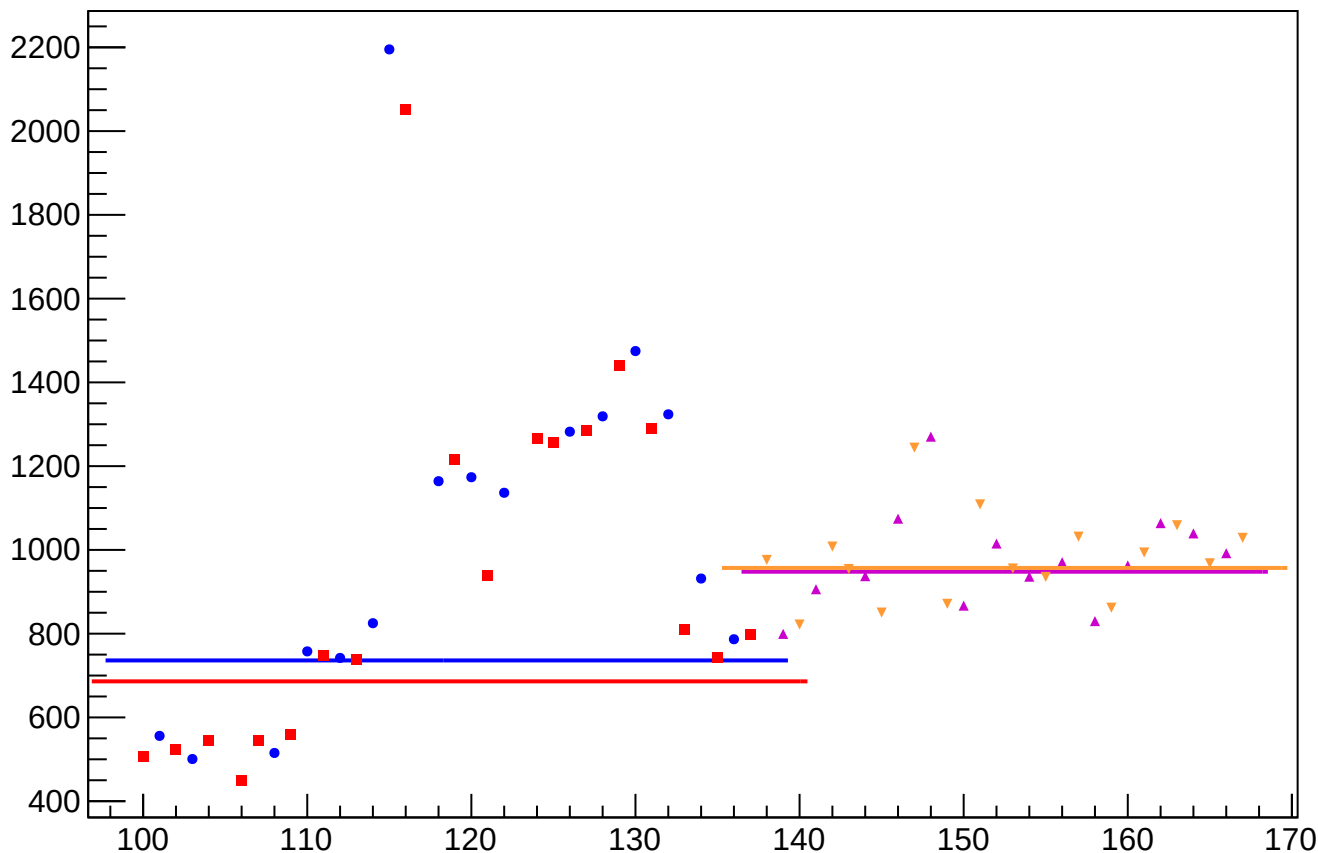
Left In: -321.669 ± 282.014 χ^2/NDF : 22.7/13

+ sign -179.192 ± 199.445 χ^2/NDF : 26.4/31

All: -321.368 ± 139.410 χ^2/NDF : 69.3/64

- sign -457.197 ± 194.943 χ^2/NDF : 41.9/32

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084 $\pm$ 0.208 χ^2 /NDF: 1844496.2/15

Left Out: 956.945 $\pm$ 0.192 χ^2 /NDF: 262095.6/15

Right Out: 686.108 $\pm$ 0.191 χ^2 /NDF: 1819176.0/18

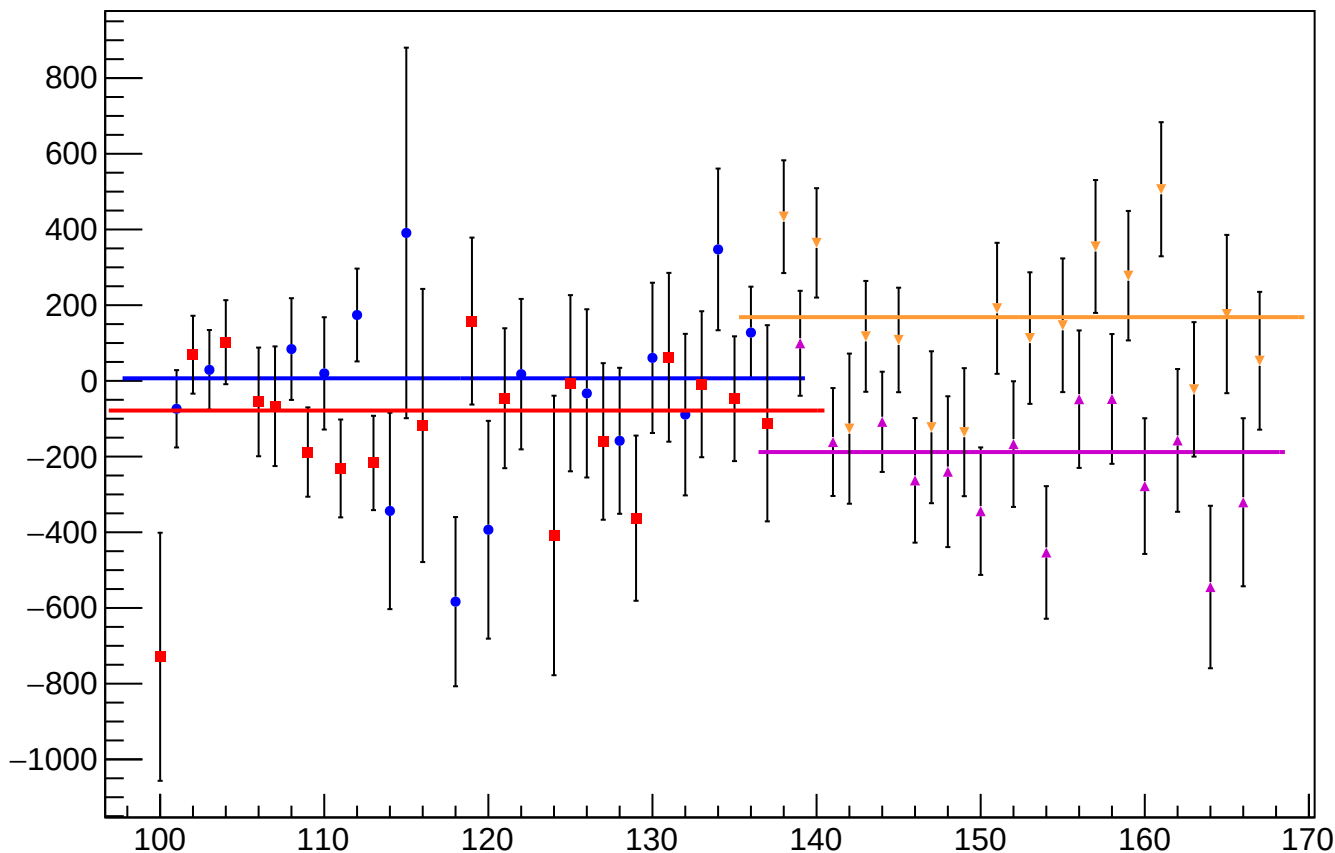
Left In: 947.907 $\pm$ 0.199 χ^2 /NDF: 281515.2/13

+ sign 854.939 $\pm$ 0.141 χ^2 /NDF: 2716168.1/31

All: 832.572 $\pm$ 0.099 χ^2 /NDF: 5766028.3/64

- sign 811.204 $\pm$ 0.138 χ^2 /NDF: 3000677.7/32

cor_asym_sam5_mean vs Slug



Right In: 6.799 ± 40.353 $\chi^2/\text{NDF}: 18.8/15$

Left Out: 168.355 ± 42.295 $\chi^2/\text{NDF}: 19.7/15$

Right Out: -78.347 ± 37.909 $\chi^2/\text{NDF}: 16.7/18$

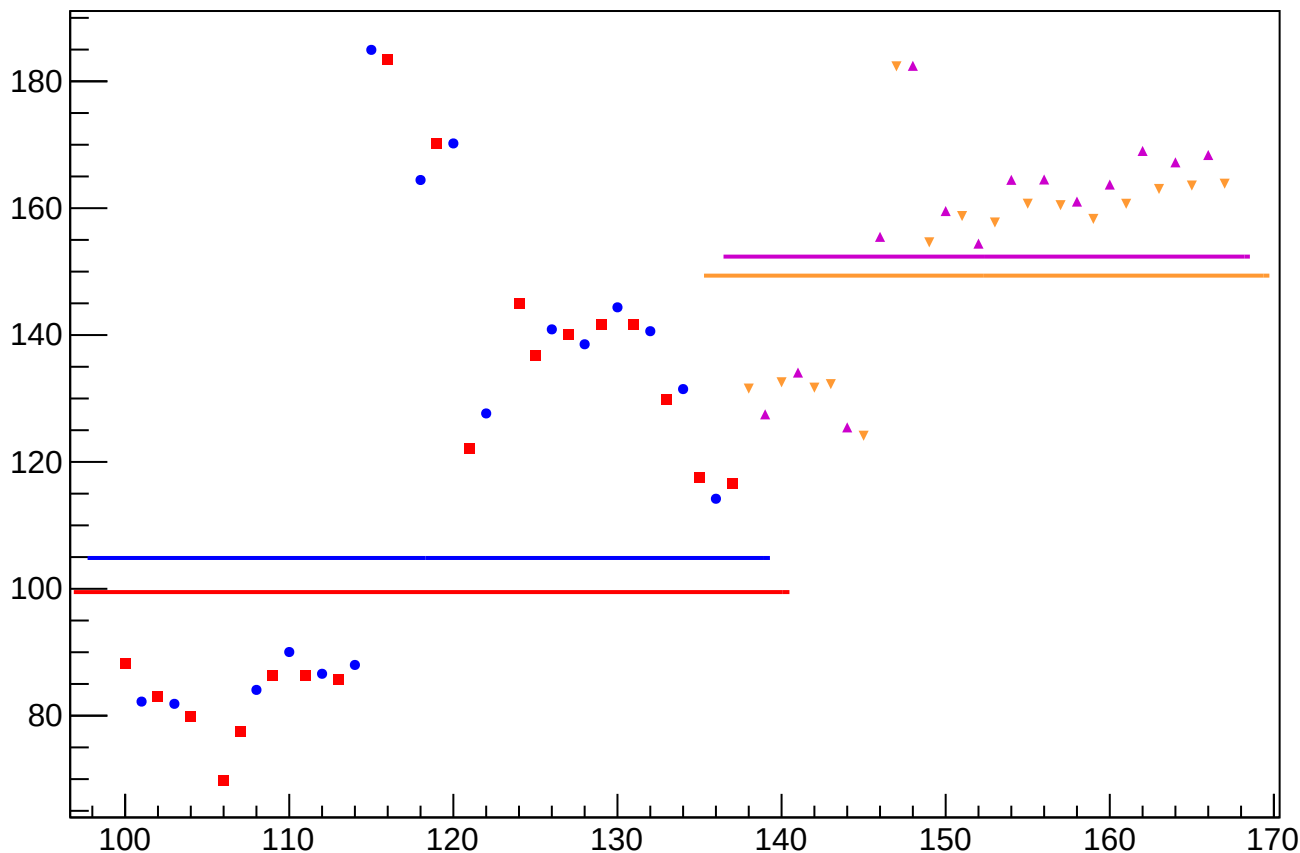
Left In: -188.058 ± 45.172 $\chi^2/\text{NDF}: 12.8/13$

+ sign 83.784 ± 29.196 $\chi^2/\text{NDF}: 46.2/31$

All: -20.514 ± 20.589 $\chi^2/\text{NDF}: 104.5/64$

- sign -123.684 ± 29.038 $\chi^2/\text{NDF}: 33.0/32$

cor_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931227.7/15

Left Out: 149.367 $\pm$ 0.030 χ^2 /NDF:295719.4/15

Right Out: 99.484 $\pm$ 0.027 χ^2 /NDF: 1041224.0/18

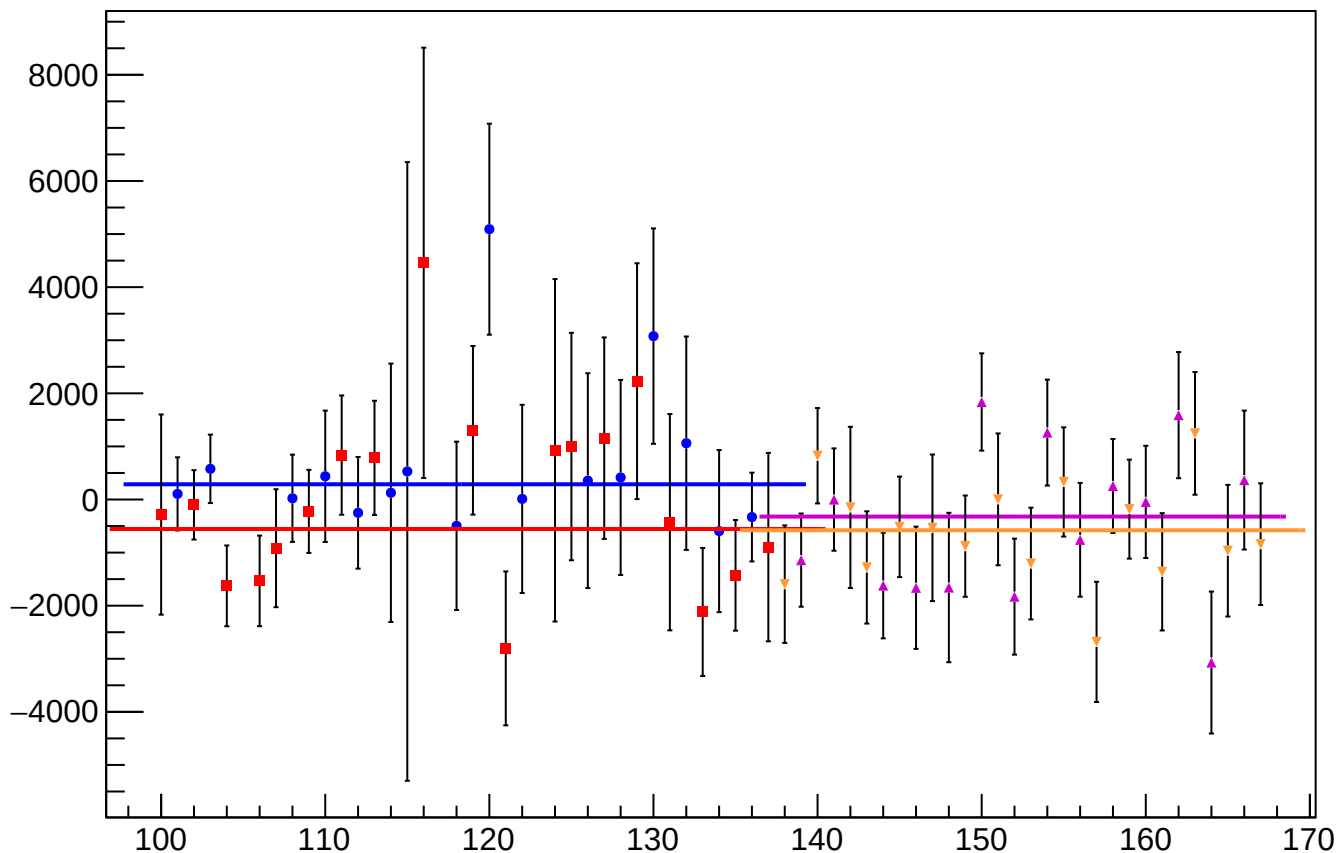
Left In: 152.366 $\pm$ 0.032 χ^2 /NDF:297365.3/13

+ sign 126.068 $\pm$ 0.021 χ^2 /NDF: 2386317.8/31

All: 123.690 $\pm$ 0.015 χ^2 /NDF: 5359649.4/64

- sign 121.337 $\pm$ 0.021 χ^2 /NDF: 2946926.2/32

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918 $\pm$ 293.473 χ^2/NDF : 9.7/15

Left Out: -579.224 $\pm$ 271.879 χ^2/NDF :12.0/15

Right Out: -555.436 $\pm$ 269.953 χ^2/NDF : 18.0/18

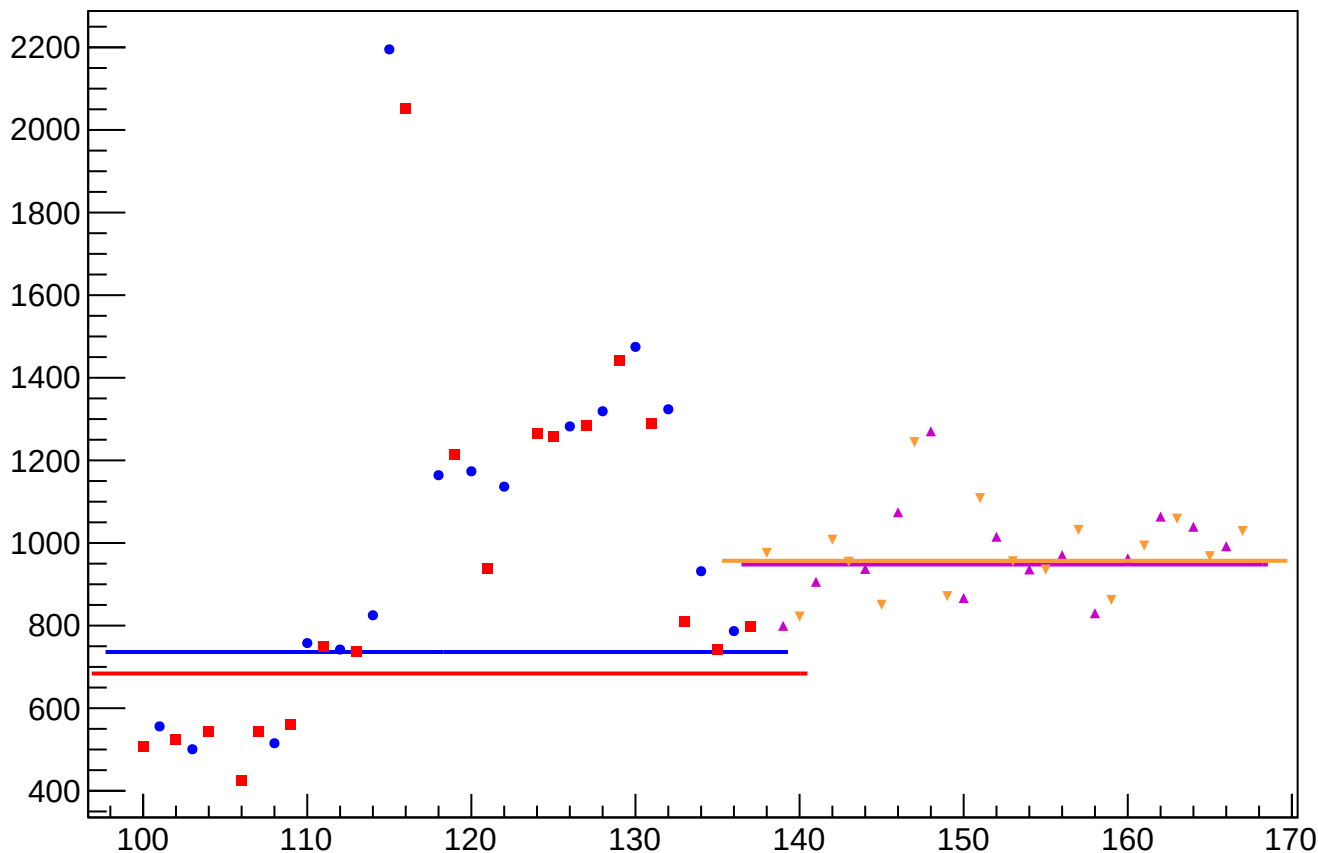
Left In: -321.669 $\pm$ 282.014 χ^2/NDF :22.7/13

+ sign -179.188 $\pm$ 199.445 χ^2/NDF : 26.4/31

All: -314.396 $\pm$ 139.435 χ^2/NDF : 68.4/64

- sign -443.658 $\pm$ 195.010 χ^2/NDF : 41.1/32

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF : 262095.1/15

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

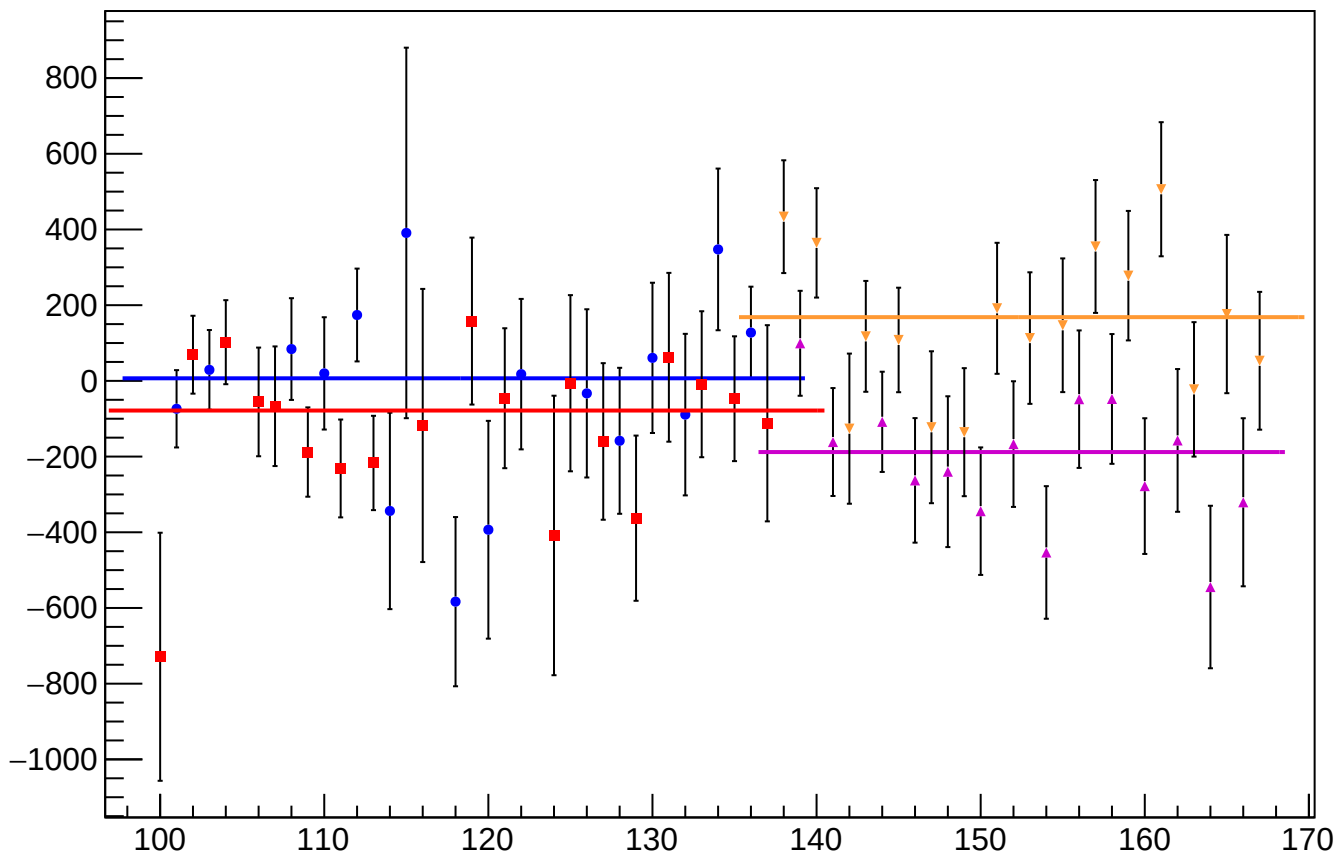
Left In: 947.907+/-0.199 χ^2/NDF : 281516.3/13

+ sign 854.938+/-0.141 χ^2/NDF : 2716174.8/31

All: 832.056+/-0.099 χ^2/NDF : 5813686.0/64

- sign 810.180+/-0.138 χ^2/NDF : 3046016.7/32

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799 ± 40.353 χ^2/NDF : 18.8/15

Left Out: 168.355 ± 42.295 χ^2/NDF : 19.7/15

Right Out: -78.347 ± 37.909 χ^2/NDF : 16.7/18

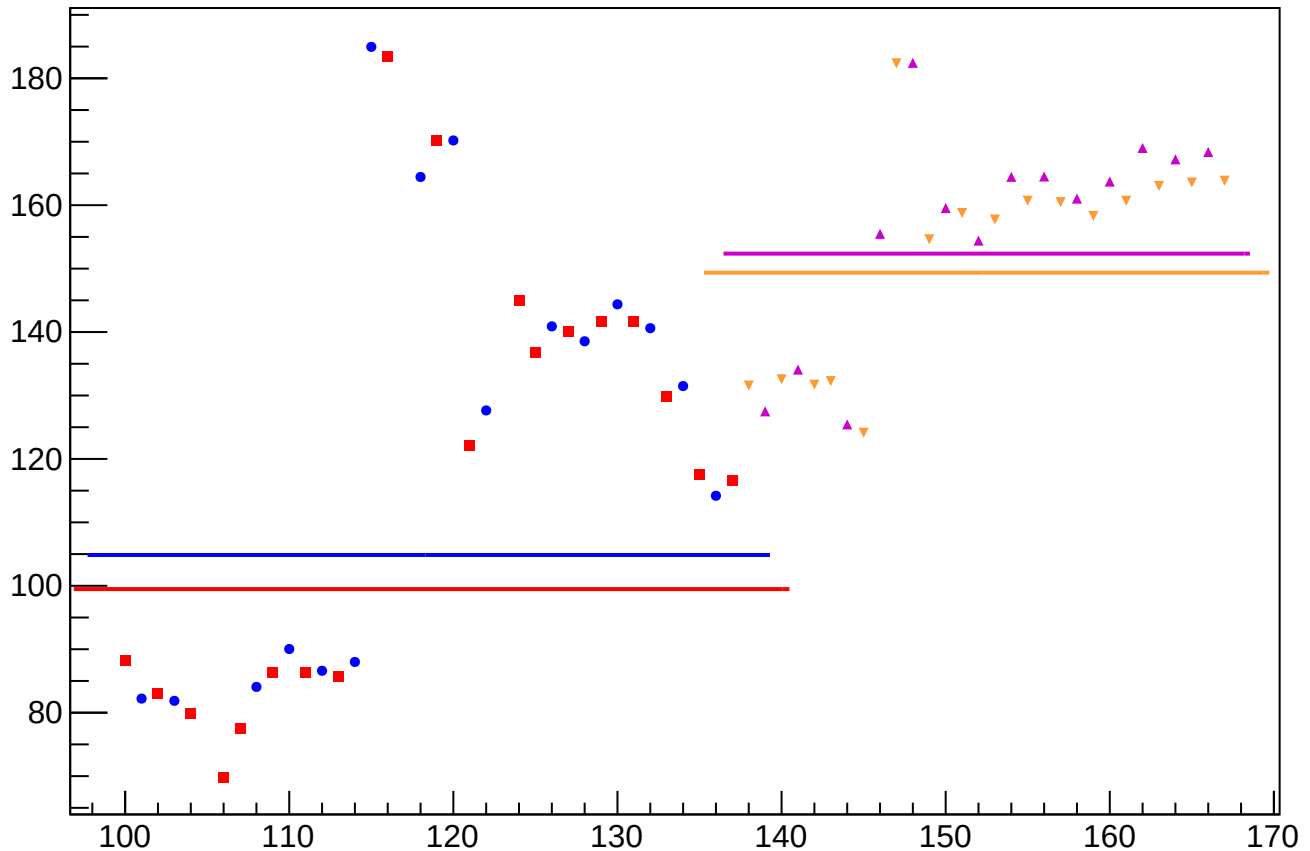
Left In: -188.058 ± 45.172 χ^2/NDF : 12.8/13

+ sign 83.784 ± 29.196 χ^2/NDF : 46.2/31

All: -20.514 ± 20.589 χ^2/NDF : 104.5/64

- sign -123.684 ± 29.038 χ^2/NDF : 33.0/32

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860 ± 0.029 χ^2/NDF : 931227.7/15

Left Out: 149.367 ± 0.030 χ^2/NDF : 295719.4/15

Right Out: 99.484 ± 0.027 χ^2/NDF : 1041224.0/18

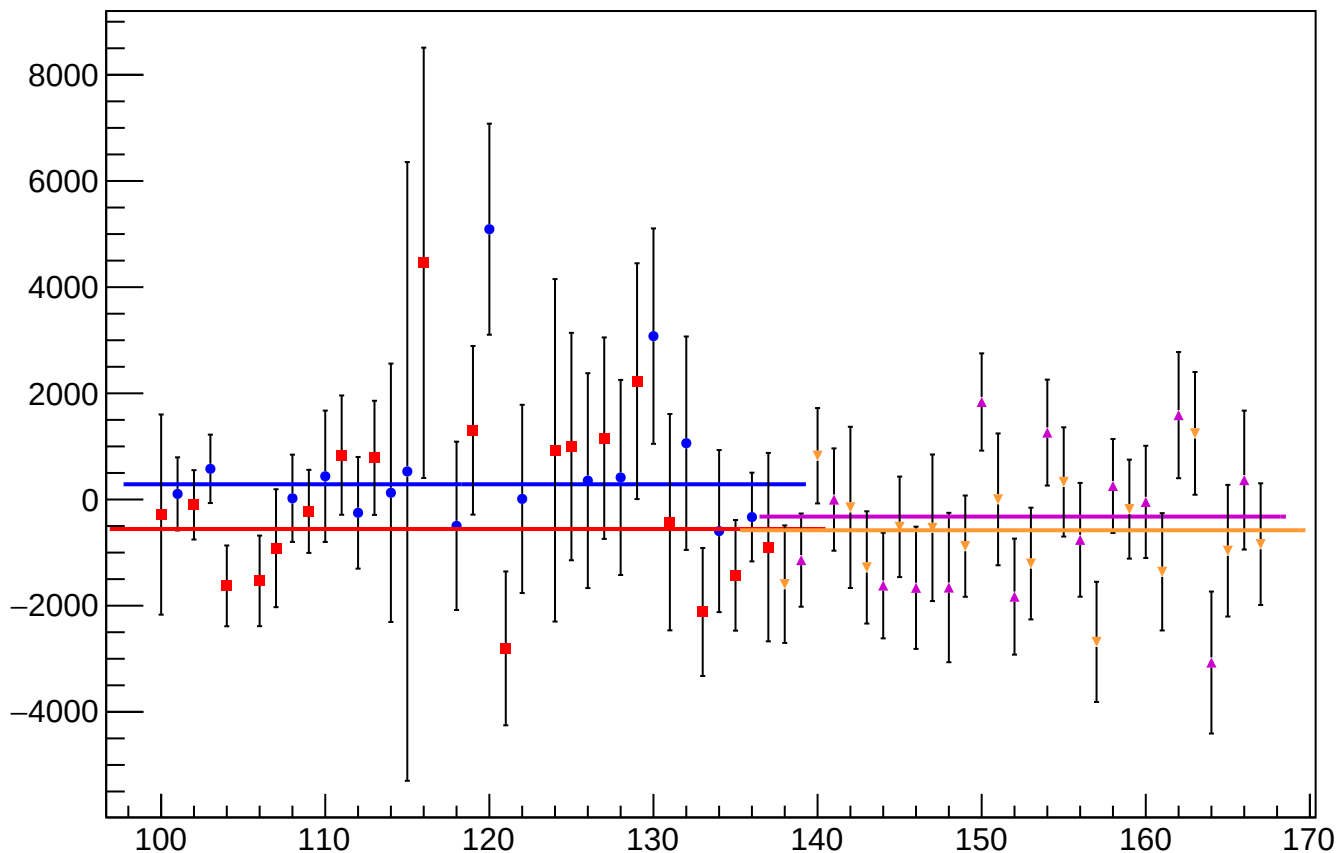
Left In: 152.366 ± 0.032 χ^2/NDF : 297365.3/13

+ sign 126.068 ± 0.021 χ^2/NDF : 2386317.8/31

All: 123.690 ± 0.015 χ^2/NDF : 5359649.4/64

- sign 121.337 ± 0.021 χ^2/NDF : 2946926.2/32

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918 ± 293.473 χ^2/NDF : 9.7/15

Left Out: -579.224 ± 271.879 χ^2/NDF : 12.0/15

Right Out: -555.436 ± 269.953 χ^2/NDF : 18.0/18

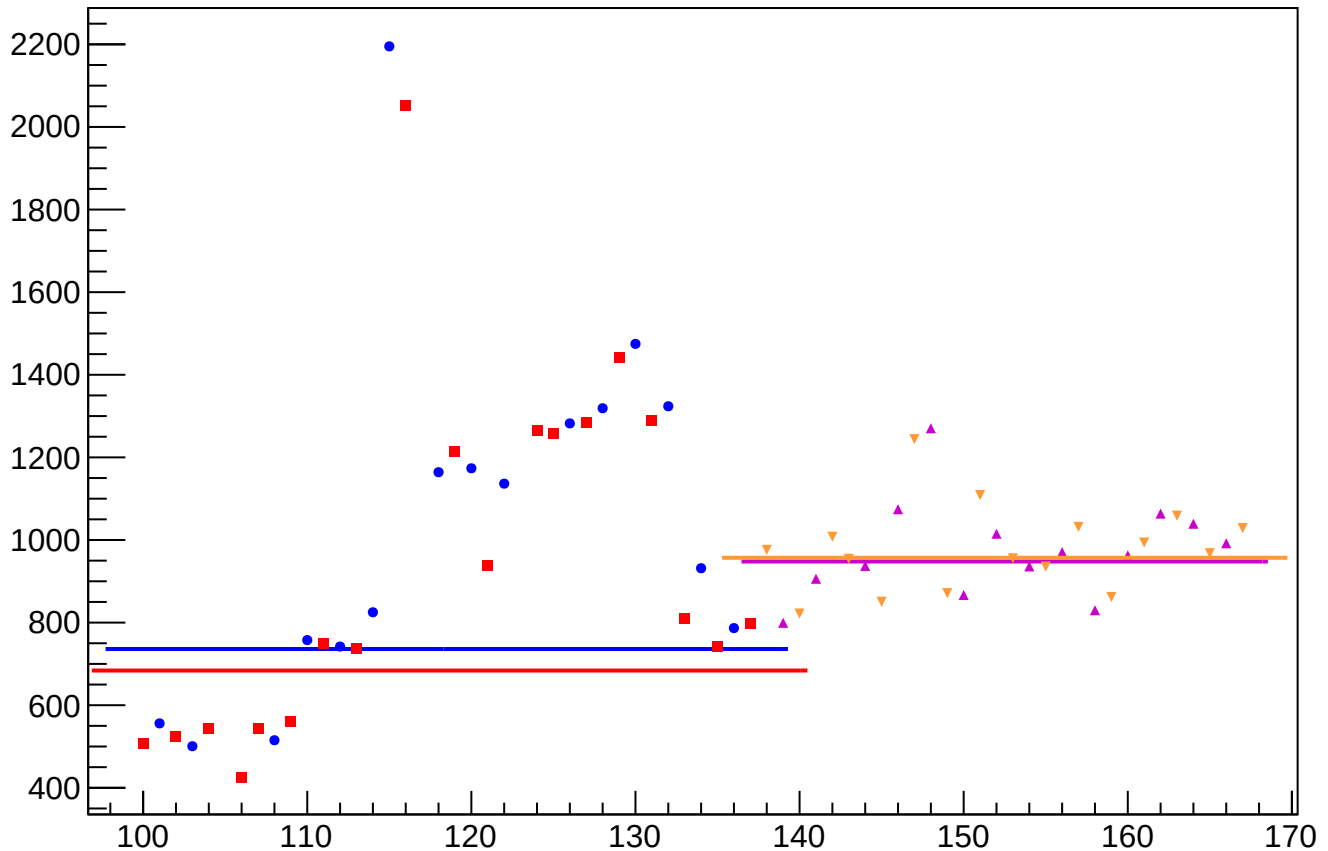
Left In: -321.669 ± 282.014 χ^2/NDF : 22.7/13

+ sign -179.188 ± 199.445 χ^2/NDF : 26.4/31

All: -314.396 ± 139.435 χ^2/NDF : 68.4/64

- sign -443.658 ± 195.010 χ^2/NDF : 41.1/32

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083 $\pm$ 0.208 χ^2/NDF : 1844498.2/15

Left Out: 956.946 $\pm$ 0.192 χ^2/NDF : 262095.1/15

Right Out: 683.981 $\pm$ 0.191 χ^2/NDF : 1850402.3/18

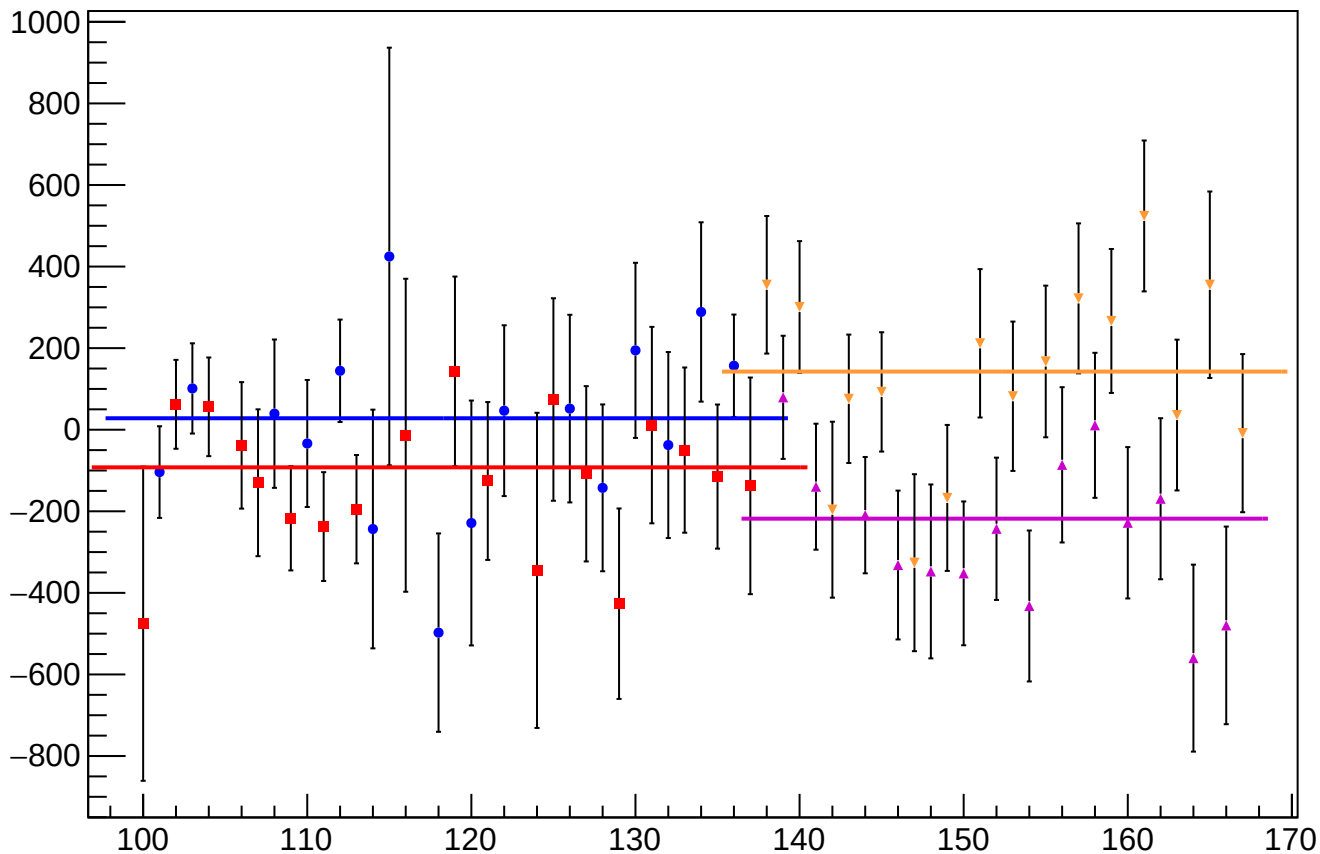
Left In: 947.907 $\pm$ 0.199 χ^2/NDF : 281516.3/13

+ sign 854.938 $\pm$ 0.141 χ^2/NDF : 2716174.8/31

All: 832.056 $\pm$ 0.099 χ^2/NDF : 5813686.0/64

- sign 810.180 $\pm$ 0.138 χ^2/NDF : 3046016.7/32

dit_asym_sam5_mean vs Slug



Right In: 28.094 ± 43.439 $\chi^2/\text{NDF}: 13.6/15$

Left Out: 142.563 ± 45.200 $\chi^2/\text{NDF}: 20.8/15$

Right Out: -92.247 ± 40.539 $\chi^2/\text{NDF}: 11.7/18$

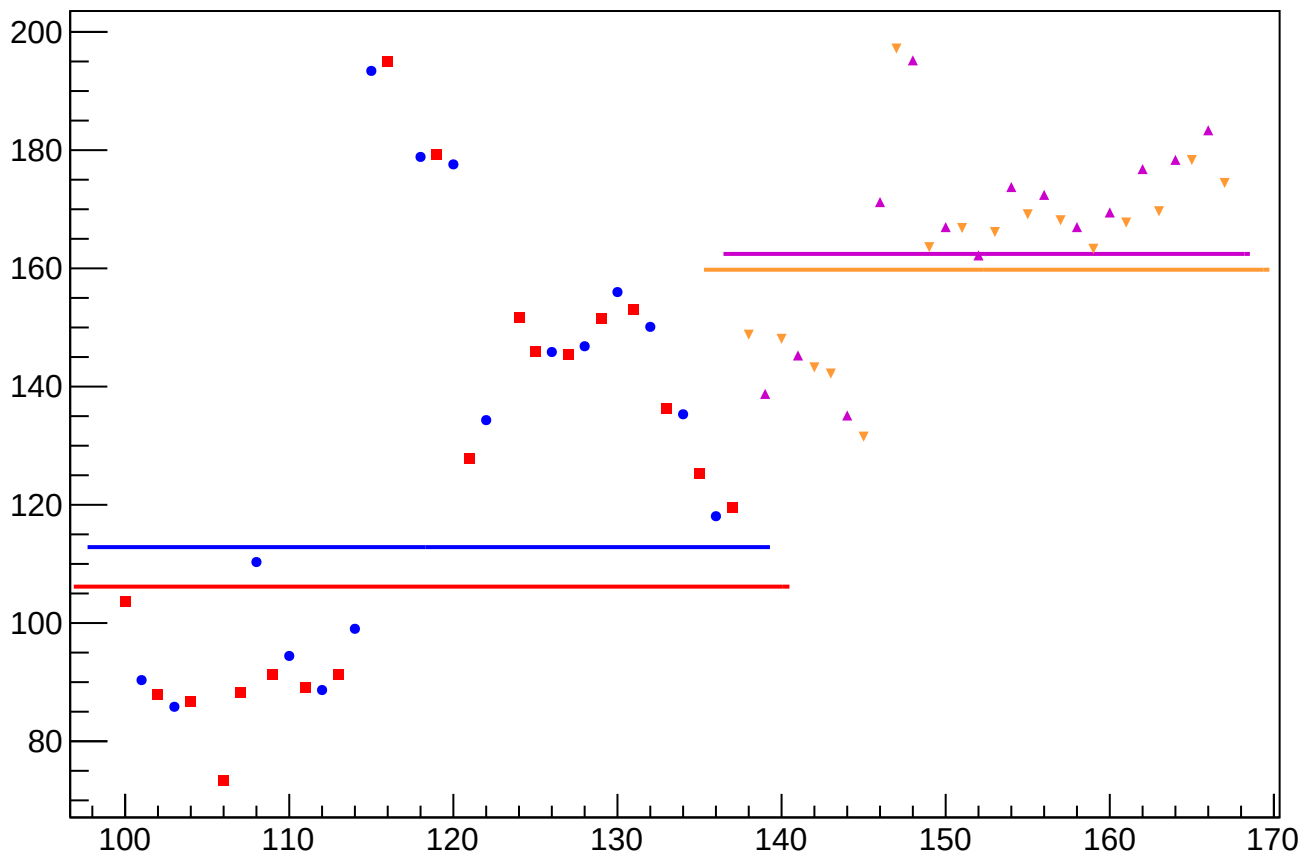
Left In: -218.072 ± 48.154 $\chi^2/\text{NDF}: 12.4/13$

+ sign 83.055 ± 31.320 $\chi^2/\text{NDF}: 37.6/31$

All: -31.814 ± 22.037 $\chi^2/\text{NDF}: 92.4/64$

- sign -144.435 ± 31.012 $\chi^2/\text{NDF}: 28.1/32$

dit_asym_sam5_rms vs Slug



Right In: 112.843 $\pm$ 0.031 χ^2 /NDF: 872225.9/15

Left Out: 159.771 $\pm$ 0.032 χ^2 /NDF: 240091.2/15

Right Out: 106.159 $\pm$ 0.029 χ^2 /NDF: 1002148.0/18

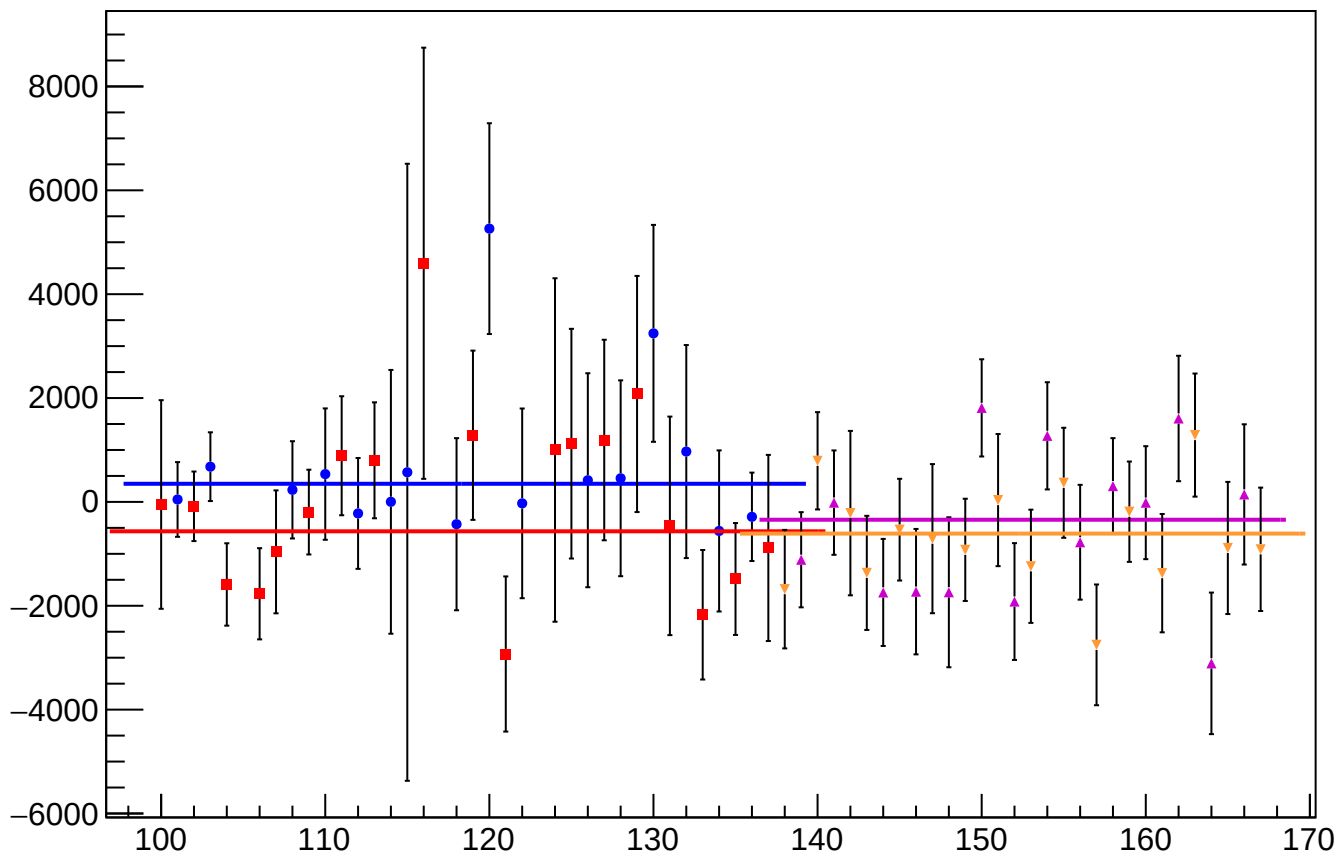
Left In: 162.446 $\pm$ 0.034 χ^2 /NDF: 252805.6/13

+ sign 135.375 $\pm$ 0.022 χ^2 /NDF: 2233085.2/31

All: 132.411 $\pm$ 0.016 χ^2 /NDF: 5122750.9/64

- sign 129.505 $\pm$ 0.022 χ^2 /NDF: 2854193.8/32

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112 ± 305.328 χ^2/NDF : 9.8/15

Left Out: -610.138 ± 281.012 χ^2/NDF : 11.9/15

Right Out: -566.026 ± 279.219 χ^2/NDF : 18.3/18

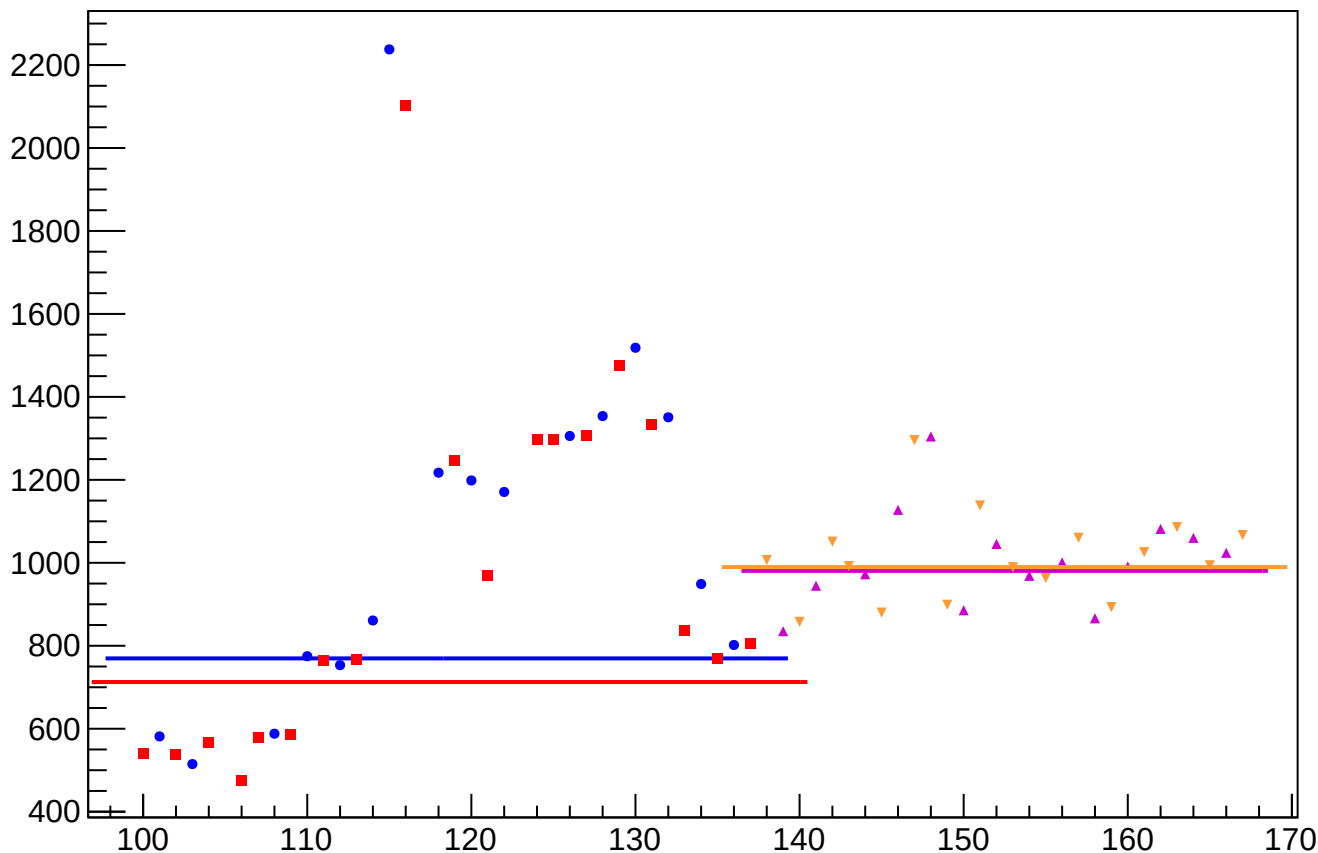
Left In: -343.348 ± 291.508 χ^2/NDF : 22.2/13

+ sign -170.225 ± 206.768 χ^2/NDF : 27.1/31

All: -318.483 ± 144.361 χ^2/NDF : 68.9/64

- sign -459.480 ± 201.642 χ^2/NDF : 40.8/32

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557 $\pm$ 0.216 χ^2 /NDF: 1739937.3/15

Left Out: 989.678 $\pm$ 0.199 χ^2 /NDF: 255675.9/15

Right Out: 712.628 $\pm$ 0.197 χ^2 /NDF: 1767226.6/18

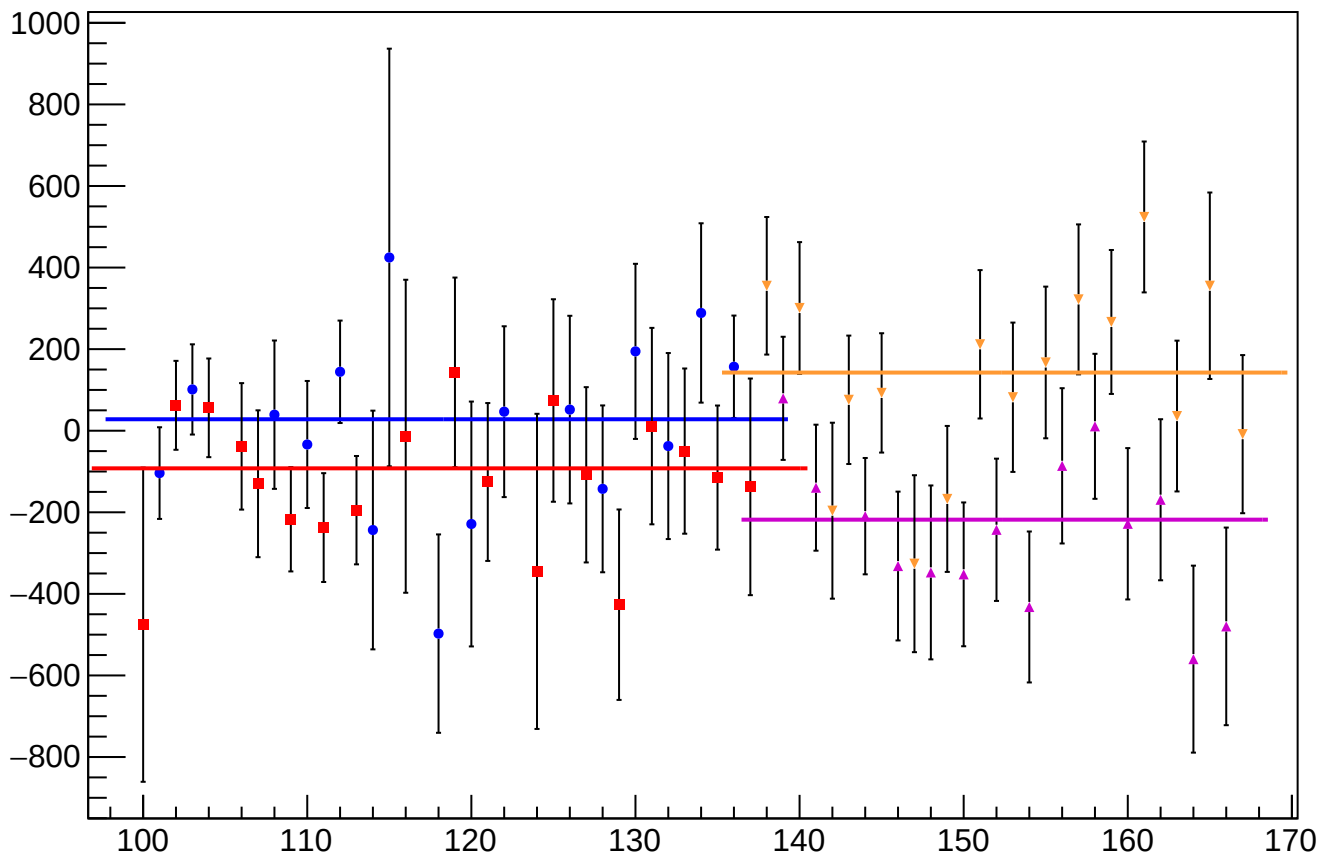
Left In: 980.538 $\pm$ 0.206 χ^2 /NDF: 265426.2/13

+ sign 888.731 $\pm$ 0.146 χ^2 /NDF: 2558392.1/31

All: 864.173 $\pm$ 0.102 χ^2 /NDF: 5527095.4/64

- sign 840.817 $\pm$ 0.143 χ^2 /NDF: 2913657.8/32

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093 ± 43.439 $\chi^2/\text{NDF}: 13.6/15$

Left Out: 142.564 ± 45.200 $\chi^2/\text{NDF}: 20.8/15$

Right Out: -92.247 ± 40.539 $\chi^2/\text{NDF}: 11.7/18$

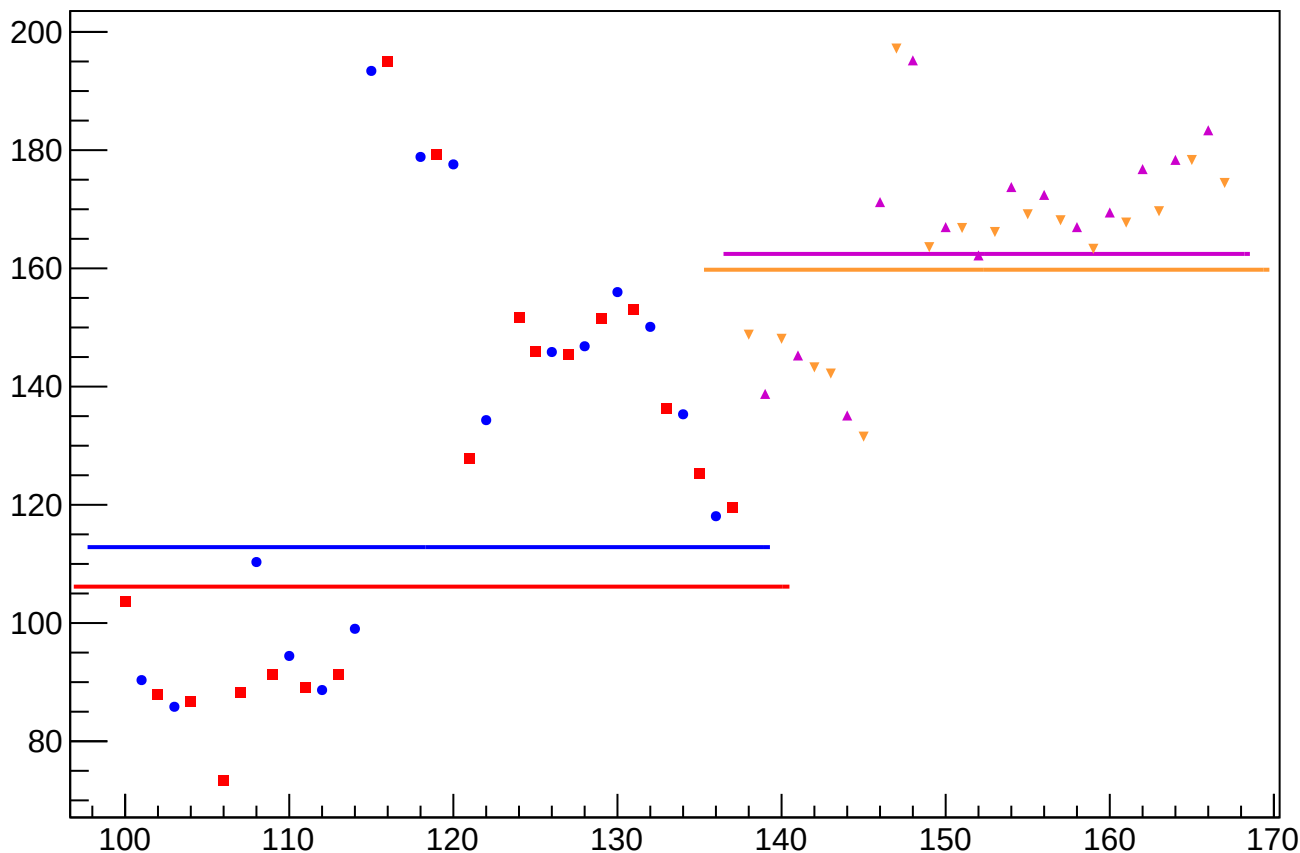
Left In: -218.073 ± 48.154 $\chi^2/\text{NDF}: 12.4/13$

+ sign 83.054 ± 31.320 $\chi^2/\text{NDF}: 37.6/31$

All: -31.814 ± 22.037 $\chi^2/\text{NDF}: 92.4/64$

- sign -144.436 ± 31.012 $\chi^2/\text{NDF}: 28.1/32$

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842 ± 0.031 χ^2/NDF : 872219.7/15

Left Out: 159.772 ± 0.032 χ^2/NDF : 240091.2/15

Right Out: 106.158 ± 0.029 χ^2/NDF : 1002136.6/18

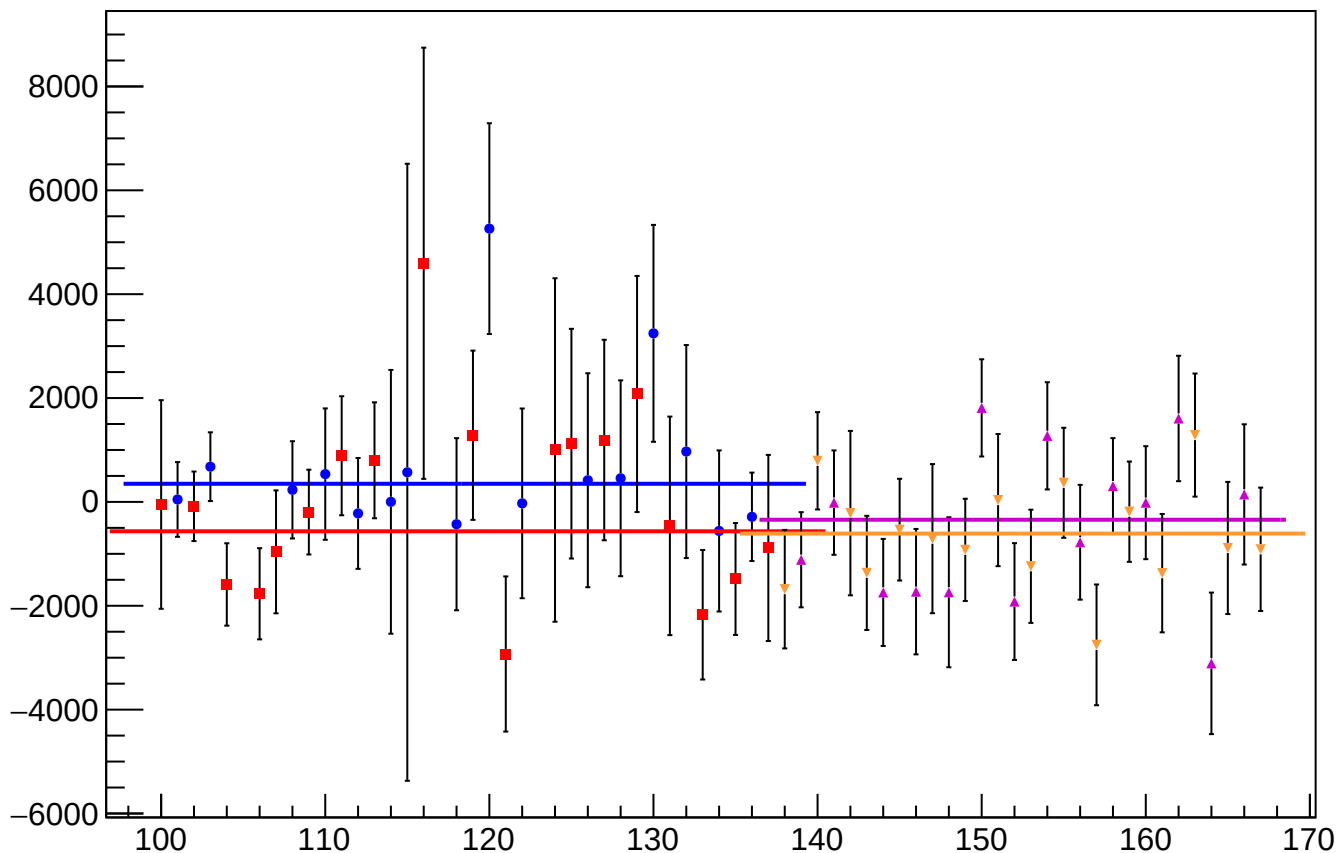
Left In: 162.446 ± 0.034 χ^2/NDF : 252800.0/13

+ sign 135.375 ± 0.022 χ^2/NDF : 2233103.0/31

All: 132.411 ± 0.016 χ^2/NDF : 5122778.7/64

- sign 129.505 ± 0.022 χ^2/NDF : 2854204.5/32

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111 $\pm$ 305.328 χ^2 /NDF: 9.8/15

Left Out: -610.137 $\pm$ 281.012 χ^2 /NDF:11.9/15

Right Out: -566.026 $\pm$ 279.218 χ^2 /NDF: 18.3/18

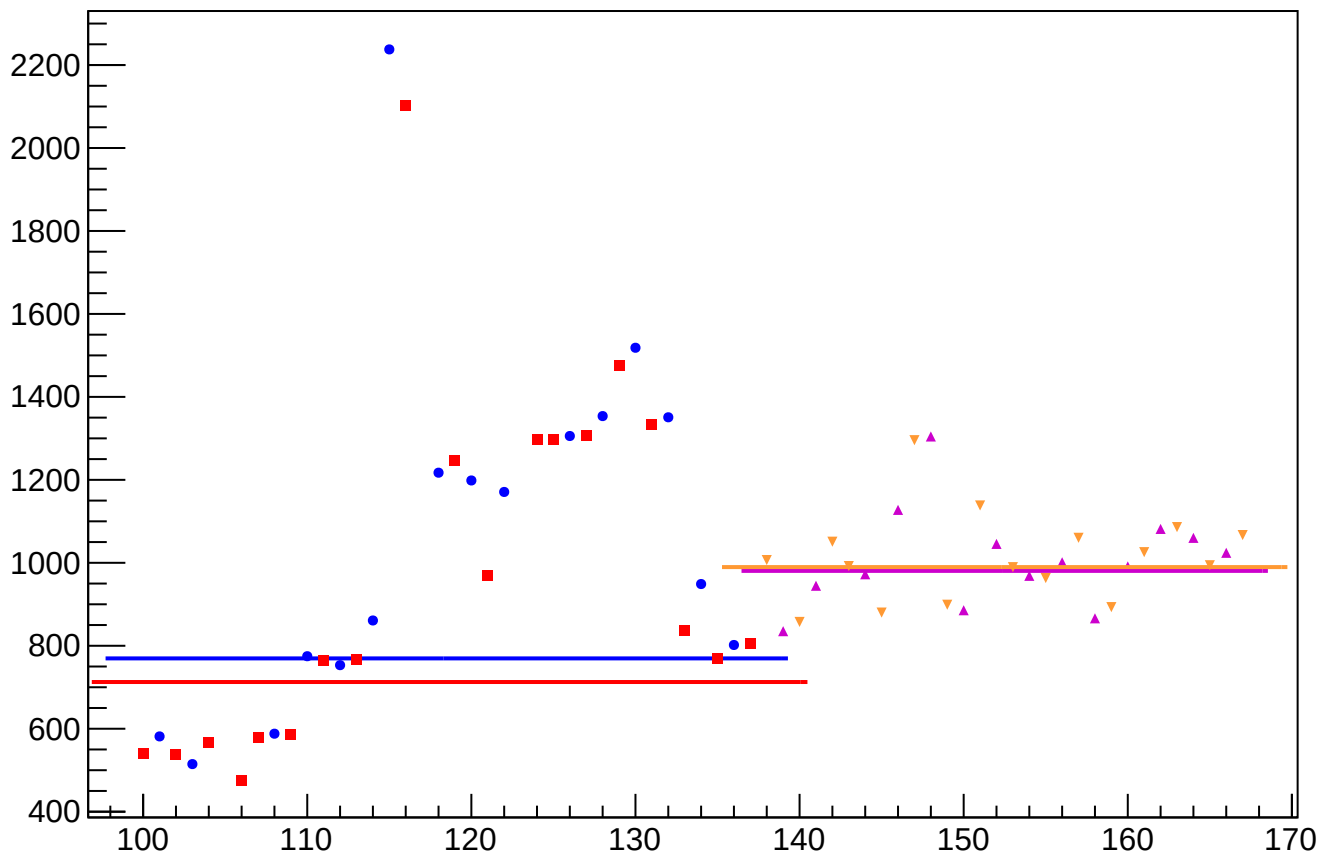
Left In: -343.348 $\pm$ 291.508 χ^2 /NDF:22.2/13

+ sign -170.224 $\pm$ 206.768 χ^2 /NDF: 27.1/31

All: -318.482 $\pm$ 144.361 χ^2 /NDF: 68.9/64

- sign -459.480 $\pm$ 201.642 χ^2 /NDF: 40.8/32

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556 $\pm$ 0.216 χ^2 /NDF: 1739933.9/15

Left Out: 989.680 $\pm$ 0.199 χ^2 /NDF: 255675.4/15

Right Out: 712.627 $\pm$ 0.197 χ^2 /NDF: 1767219.7/18

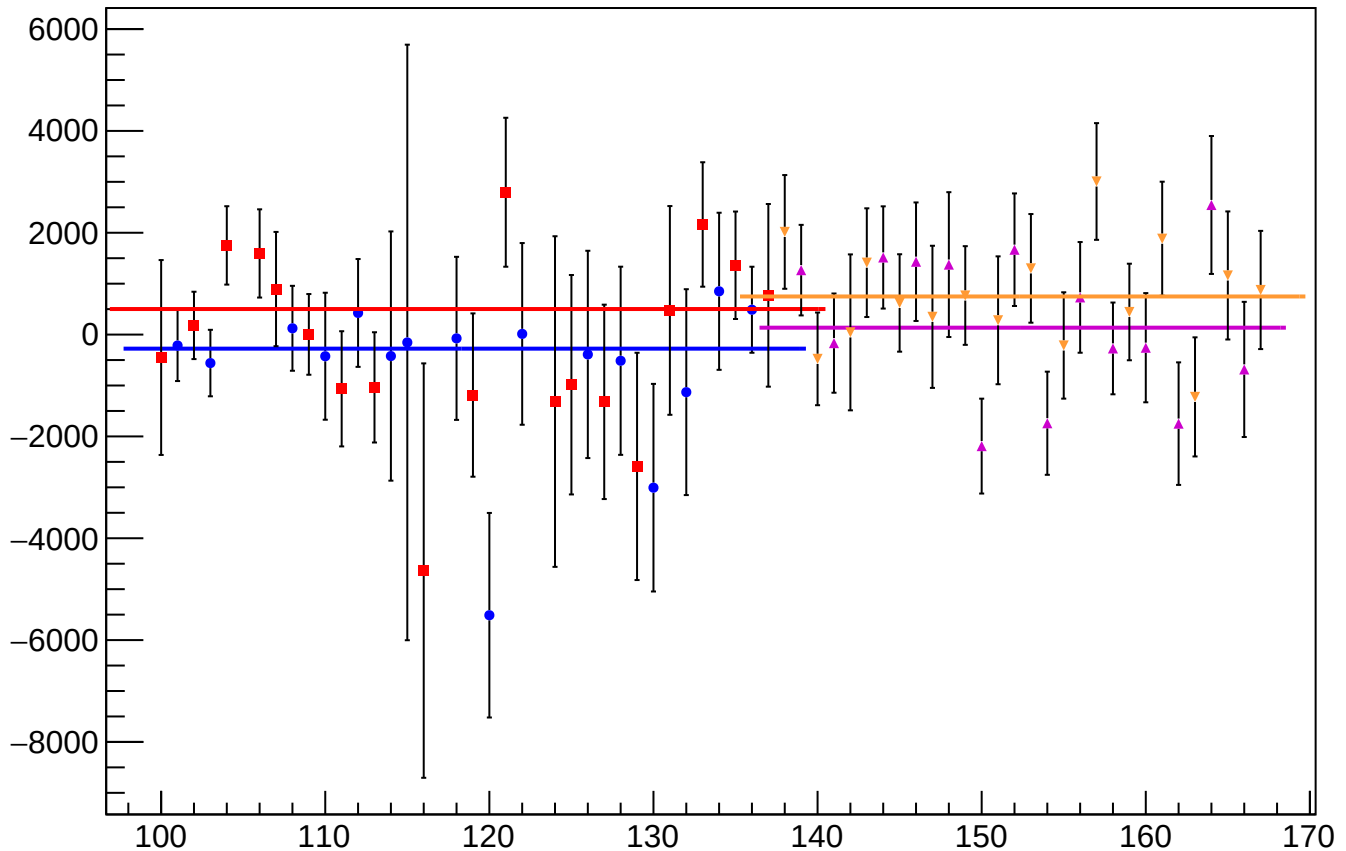
Left In: 980.539 $\pm$ 0.206 χ^2 /NDF: 265425.4/13

+ sign 888.731 $\pm$ 0.146 χ^2 /NDF: 2558402.2/31

All: 864.172 $\pm$ 0.102 χ^2 /NDF: 5527113.9/64

- sign 840.817 $\pm$ 0.143 χ^2 /NDF: 2913665.8/32

asym_sam5_mean vs Slug



Right In: -276.199 ± 296.708 $\chi^2/\text{NDF}: 11.1/15$

Left Out: 748.566 ± 275.350 $\chi^2/\text{NDF}: 13.0/15$

Right Out: 501.985 ± 272.991 $\chi^2/\text{NDF}: 20.5/18$

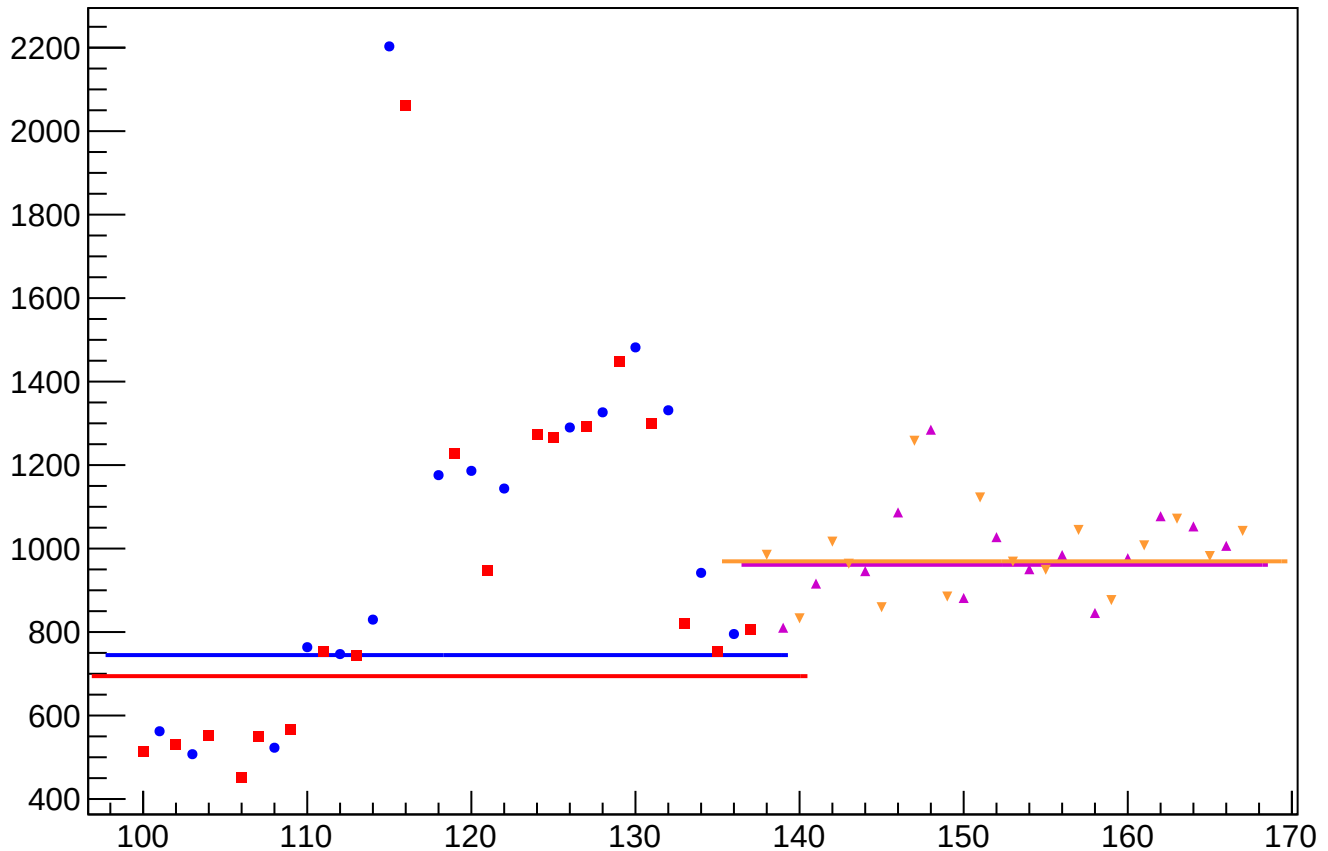
Left In: 135.596 ± 285.855 $\chi^2/\text{NDF}: 23.8/13$

+ sign 274.392 ± 201.831 $\chi^2/\text{NDF}: 30.5/31$

All: 301.389 ± 141.132 $\chi^2/\text{NDF}: 75.7/64$

- sign 327.220 ± 197.425 $\chi^2/\text{NDF}: 45.2/32$

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF : 1822553.5/15

Left Out: 969.404+/-0.195 χ^2/NDF : 258523.6/15

Right Out: 694.348+/-0.193 χ^2/NDF : 1803741.9/18

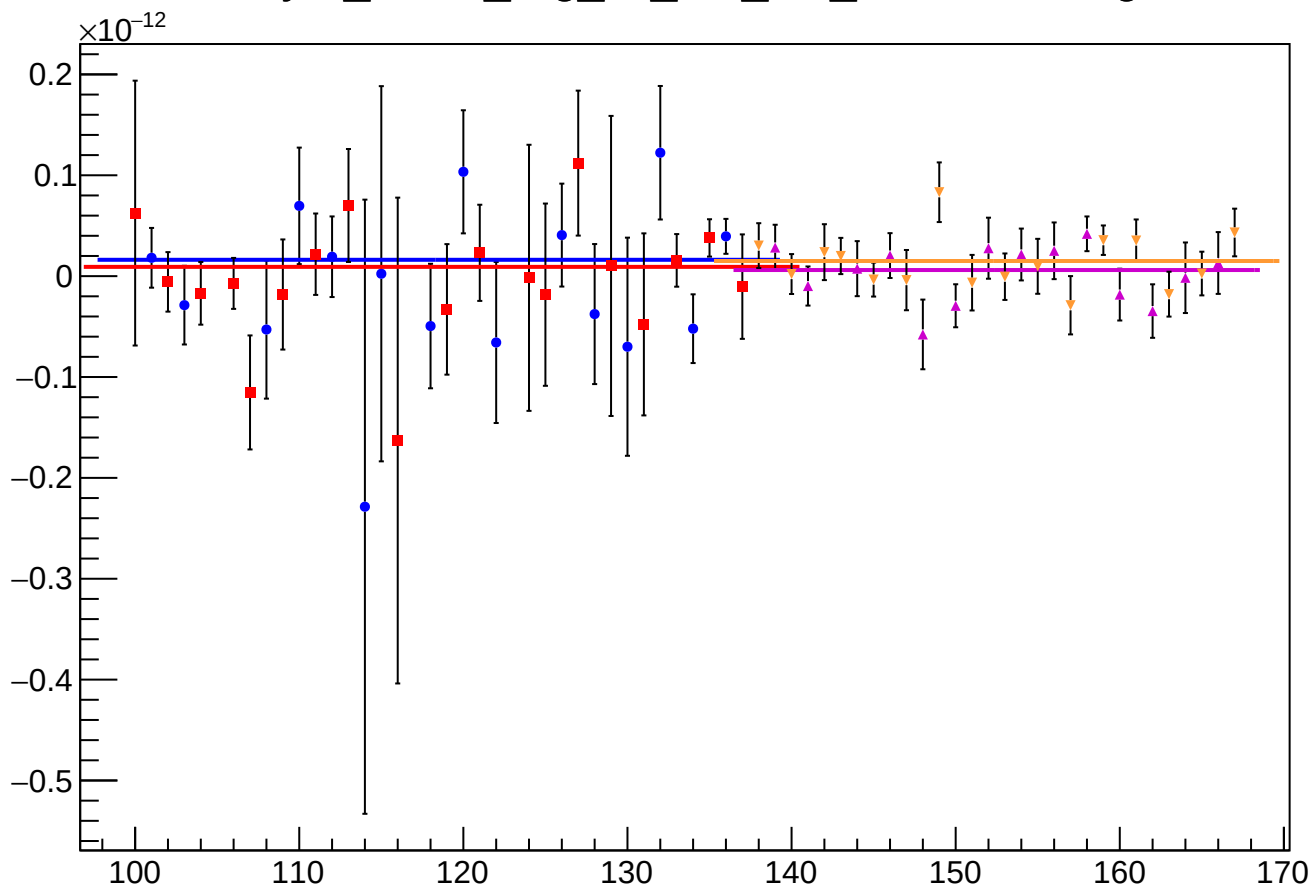
Left In: 961.097+/-0.202 χ^2/NDF : 275443.5/13

+ sign 865.468+/-0.143 χ^2/NDF : 2696926.9/31

All: 843.043+/-0.100 χ^2/NDF : 5735286.8/64

- sign 821.585+/-0.140 χ^2/NDF : 2990044.2/32

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/18

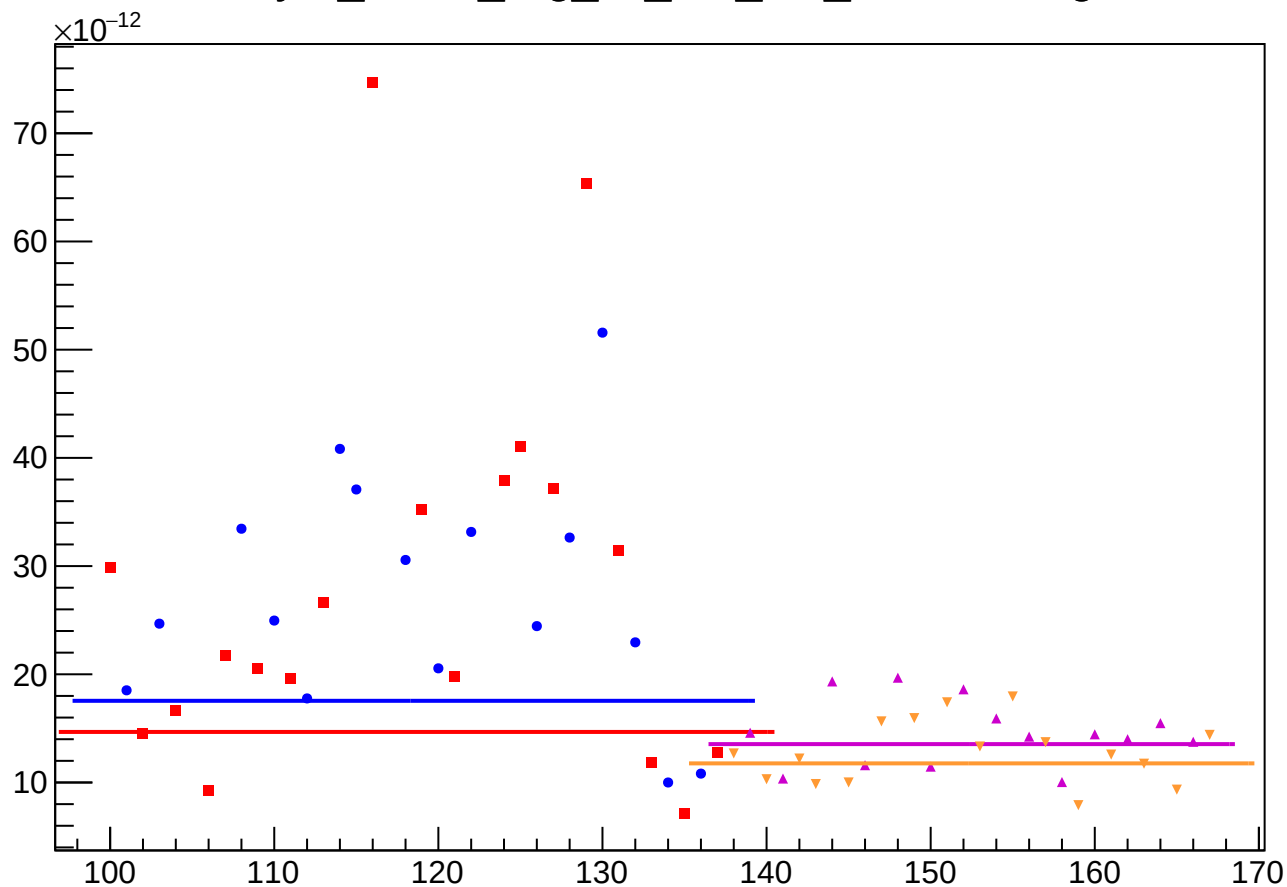
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.5/32

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 : 531400.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1741597.8/18

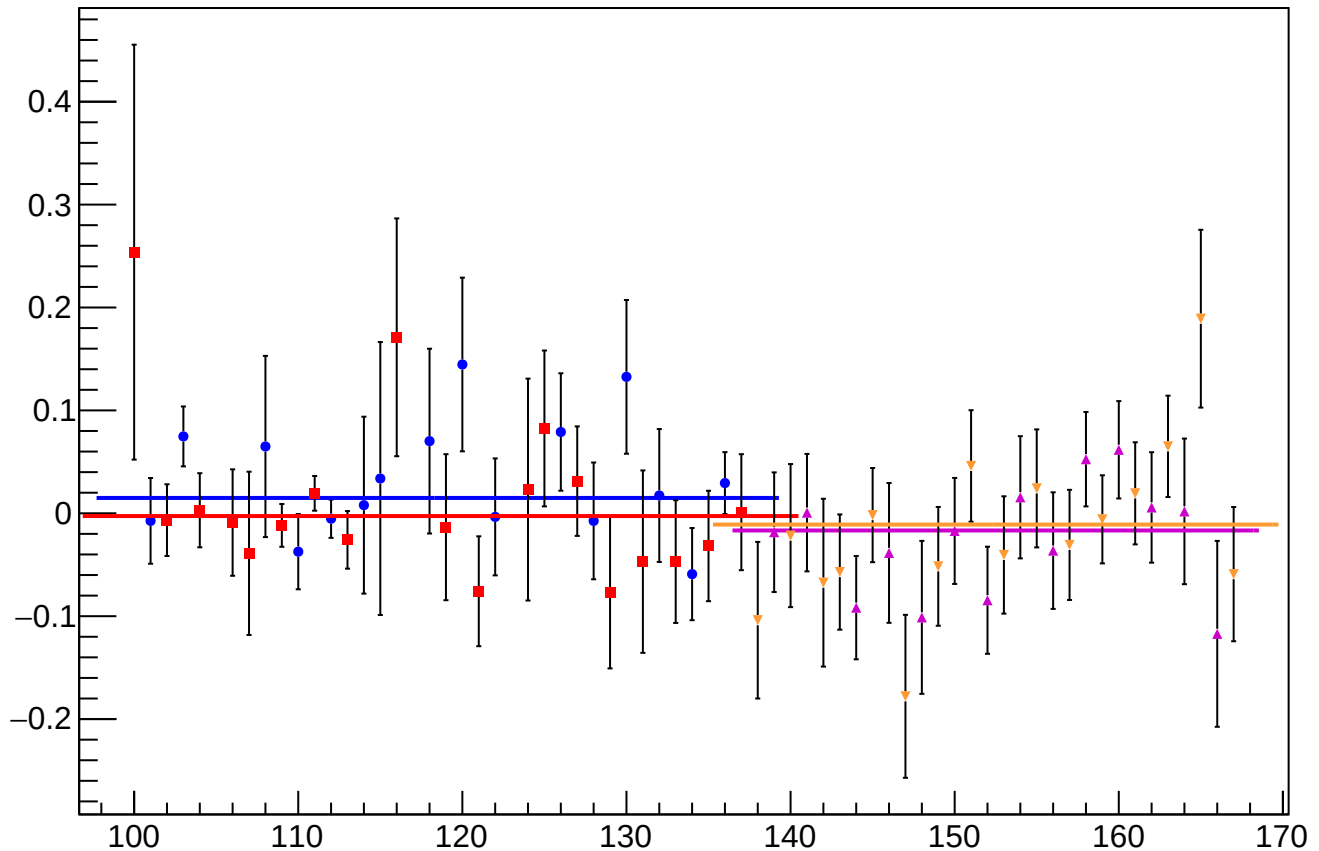
Left In: 0.000+/-0.000 χ^2/NDF : 412681.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 2152346.1/31

All: 0.000+/-0.000 χ^2/NDF : 4360304.1/64

- sign 0.000+/-0.000 χ^2/NDF : 2173589.8/32

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.011 ± 0.014 $\chi^2/\text{NDF}: 18.2/15$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

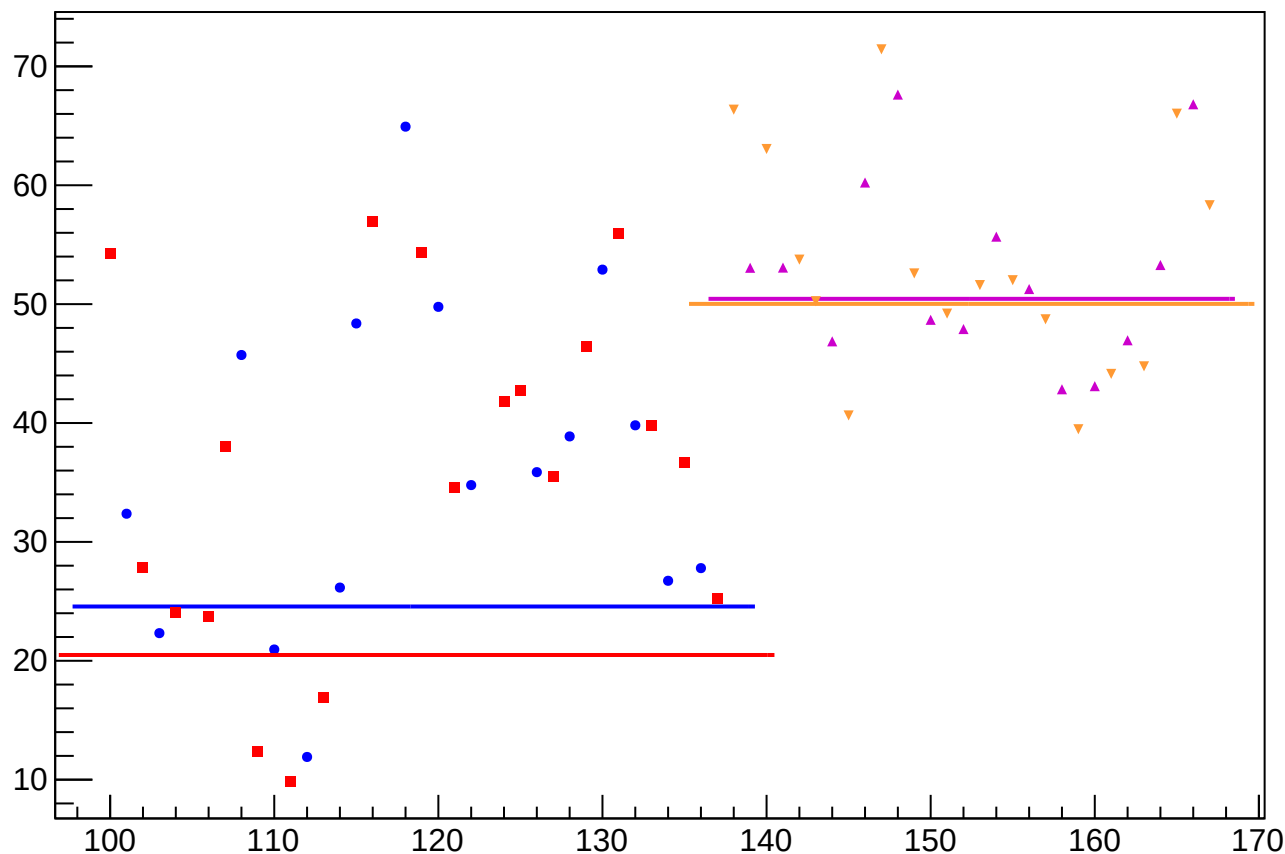
Left In: -0.017 ± 0.015 $\chi^2/\text{NDF}: 12.3/13$

+ sign 0.006 ± 0.009 $\chi^2/\text{NDF}: 38.1/31$

All: -0.001 ± 0.006 $\chi^2/\text{NDF}: 64.6/64$

- sign -0.006 ± 0.008 $\chi^2/\text{NDF}: 25.4/32$

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2/NDF : 2484530.5/15

Left Out: 50.021 $\pm$ 0.010 χ^2/NDF : 679719.3/15

Right Out: 20.488 $\pm$ 0.007 χ^2/NDF : 3583938.4/18

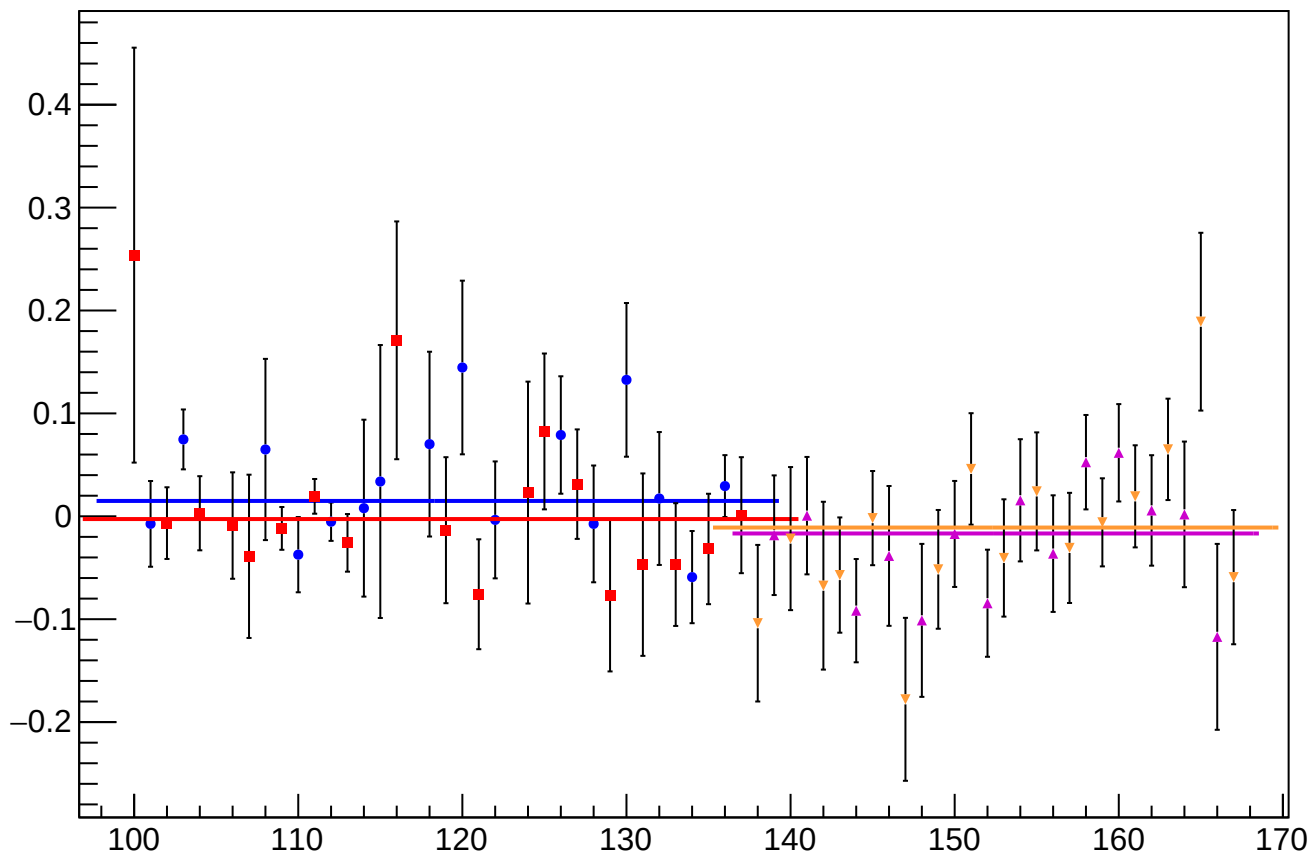
Left In: 50.446 $\pm$ 0.011 χ^2/NDF : 370330.2/13

+ sign 33.495 $\pm$ 0.006 χ^2/NDF : 7219741.1/31

All: 30.832 $\pm$ 0.004 χ^2/NDF : 17214582.3/64

- sign 28.556 $\pm$ 0.006 χ^2/NDF : 9633270.2/32

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.011 ± 0.014 $\chi^2/\text{NDF}: 18.2/15$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

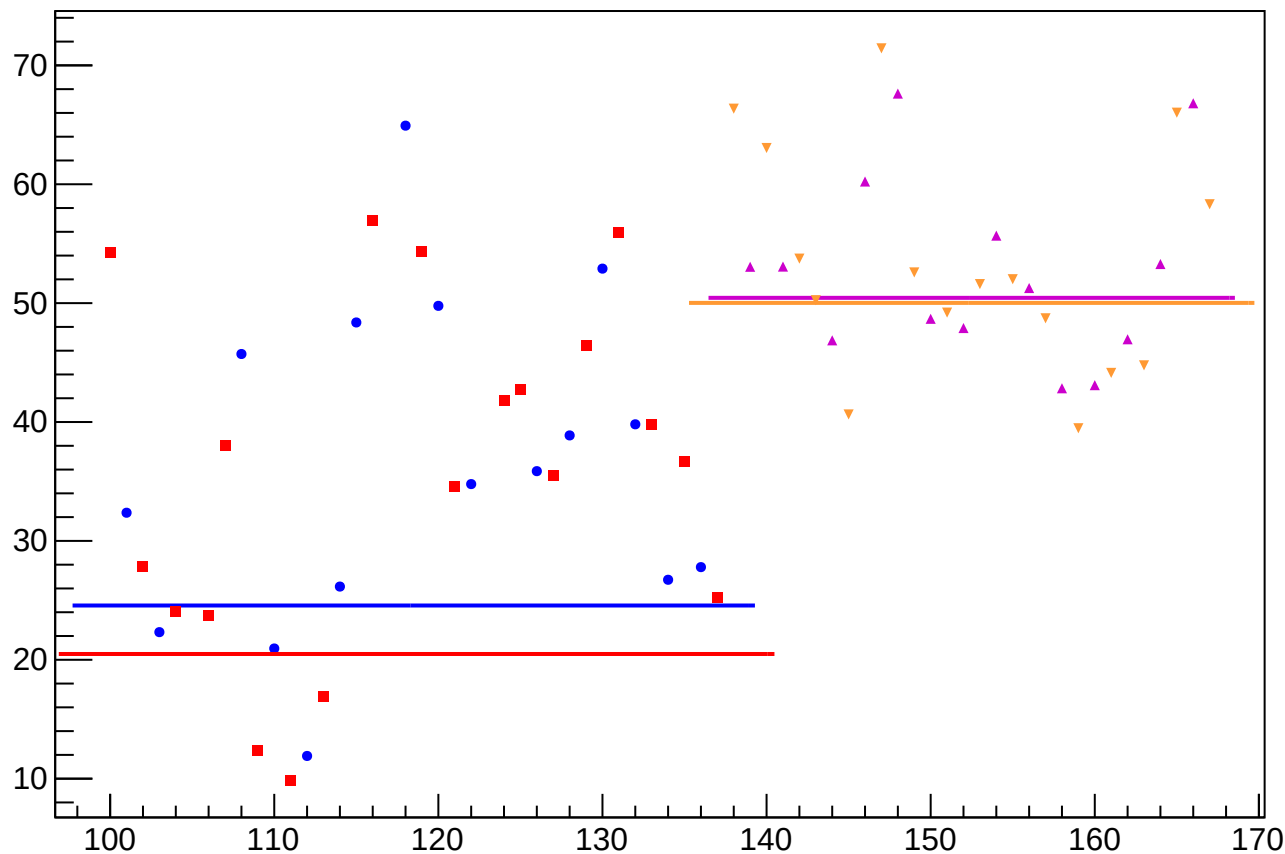
Left In: -0.017 ± 0.015 $\chi^2/\text{NDF}: 12.3/13$

+ sign 0.006 ± 0.009 $\chi^2/\text{NDF}: 38.1/31$

All: -0.001 ± 0.006 $\chi^2/\text{NDF}: 64.6/64$

- sign -0.006 ± 0.008 $\chi^2/\text{NDF}: 25.4/32$

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: 50.021 $\pm$ 0.010 χ^2/NDF : 679719.3/15

Right Out: 20.488 $\pm$ 0.007 χ^2/NDF : 3583938.4/18

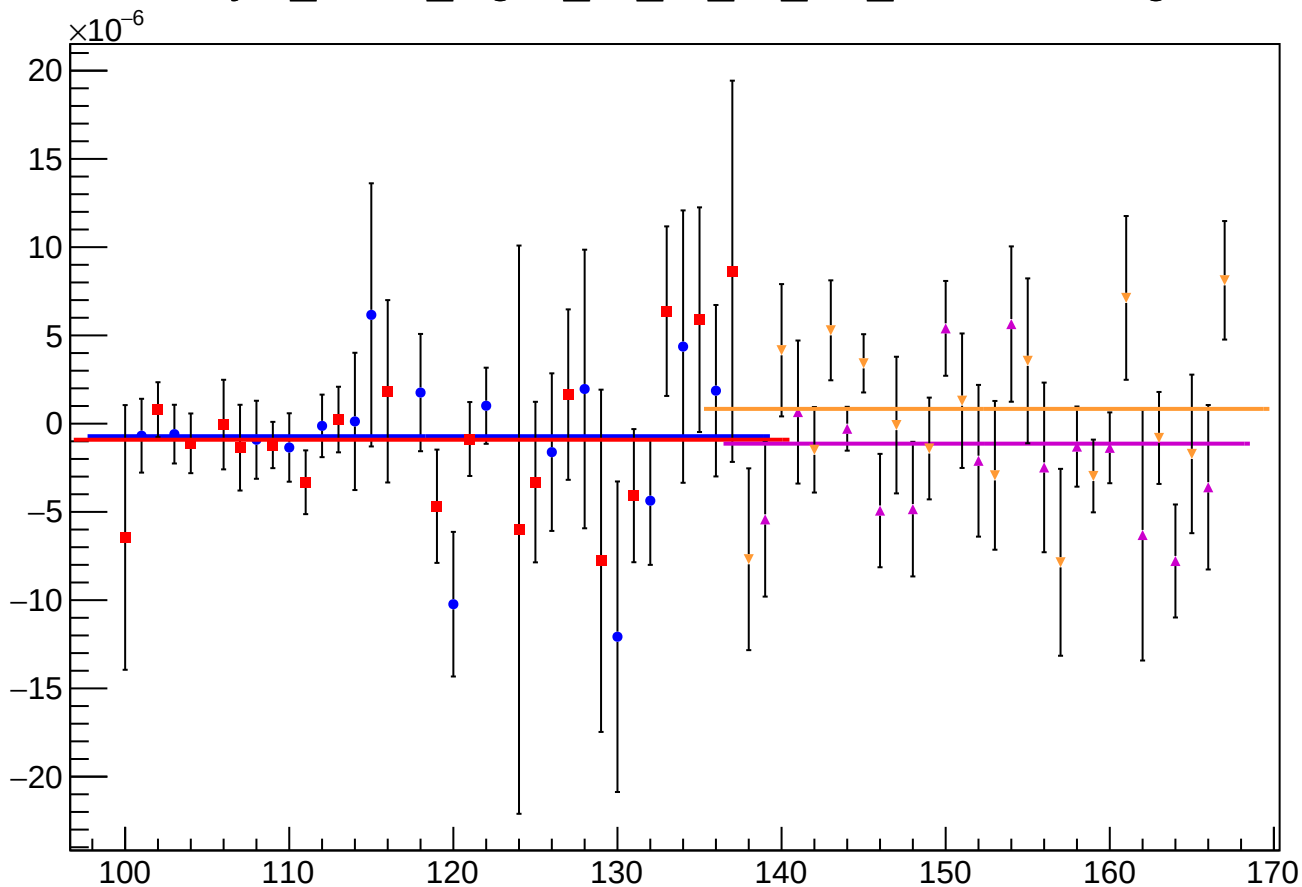
Left In: 50.446 $\pm$ 0.011 χ^2/NDF : 370330.2/13

+ sign 33.495 $\pm$ 0.006 χ^2/NDF : 7219741.1/31

All: 30.832 $\pm$ 0.004 χ^2/NDF : 17214582.3/64

- sign 28.556 $\pm$ 0.006 χ^2/NDF : 9633270.2/32

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 : 24.5/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.9/18

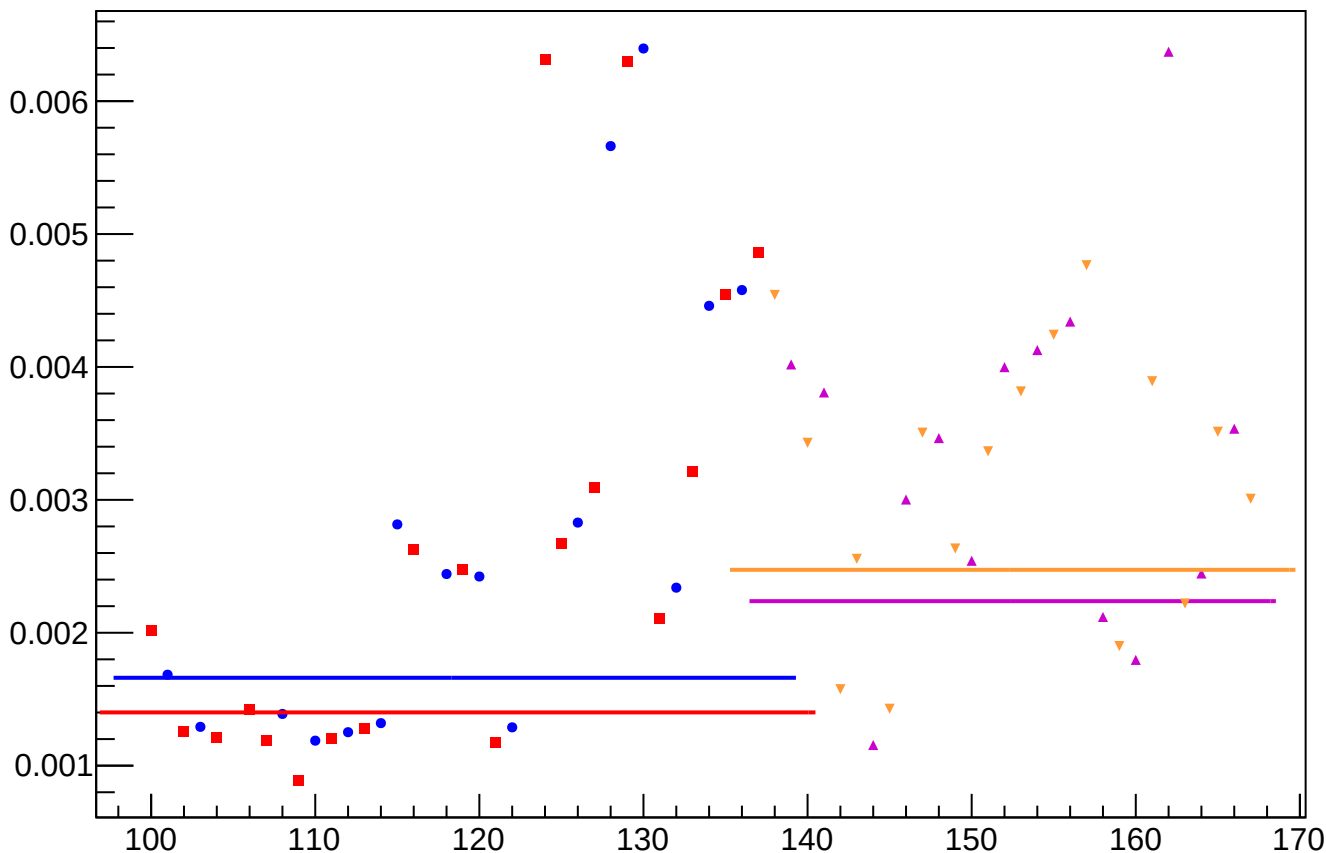
Left In: -0.000 ± 0.000 χ^2/NDF : 17.5/13

+ sign -0.000 ± 0.000 χ^2/NDF : 38.0/31

All: -0.000 ± 0.000 χ^2/NDF : 69.6/64

- sign -0.000 ± 0.000 χ^2/NDF : 29.4/32

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 2942035.6/15

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 3172503.1/15

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 2915624.2/18

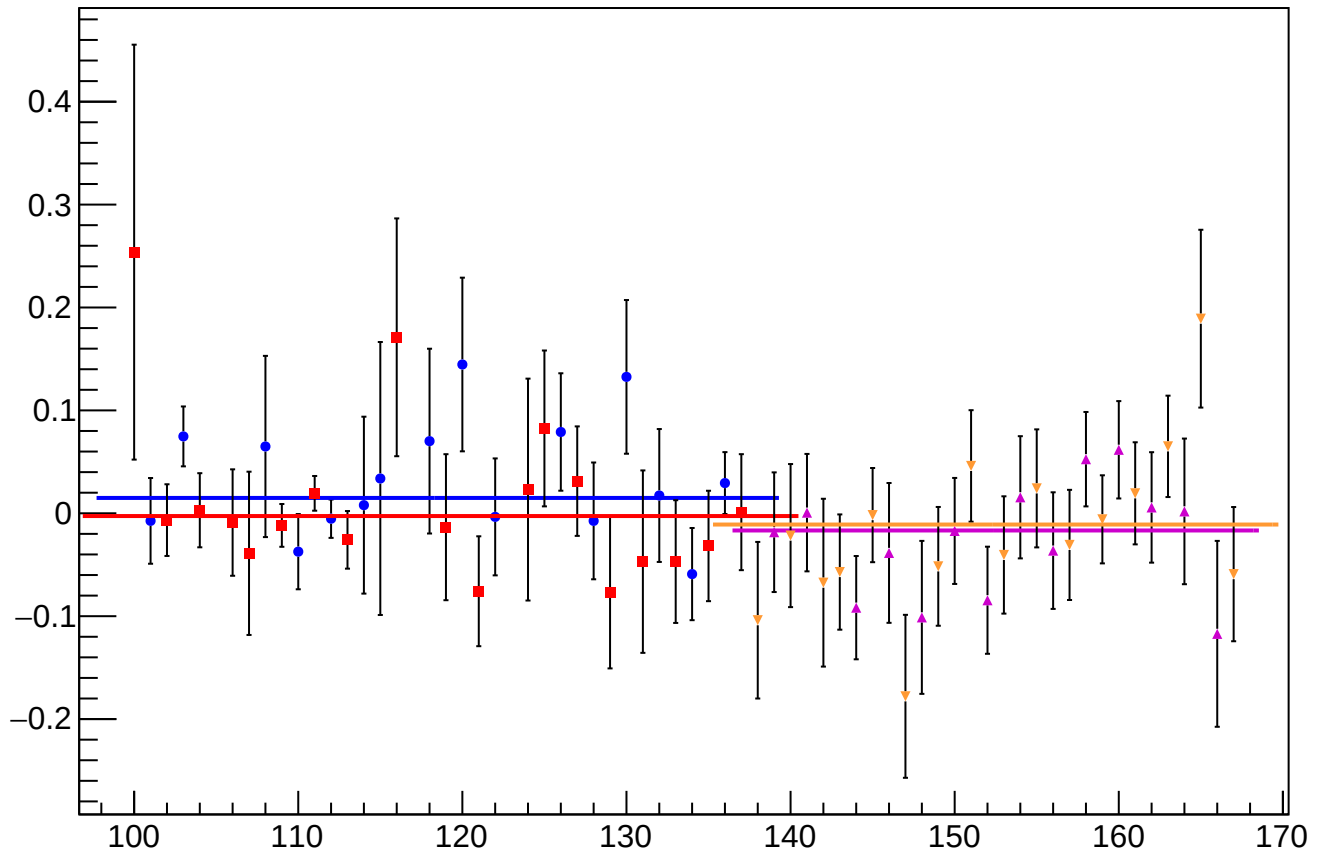
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 4526248.2/13

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 7351708.1/31

All: 0.002 $\pm$ 0.000 χ^2/NDF : 16764926.1/64

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 9009549.3/32

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.011 ± 0.014 χ^2/NDF : 18.2/15

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

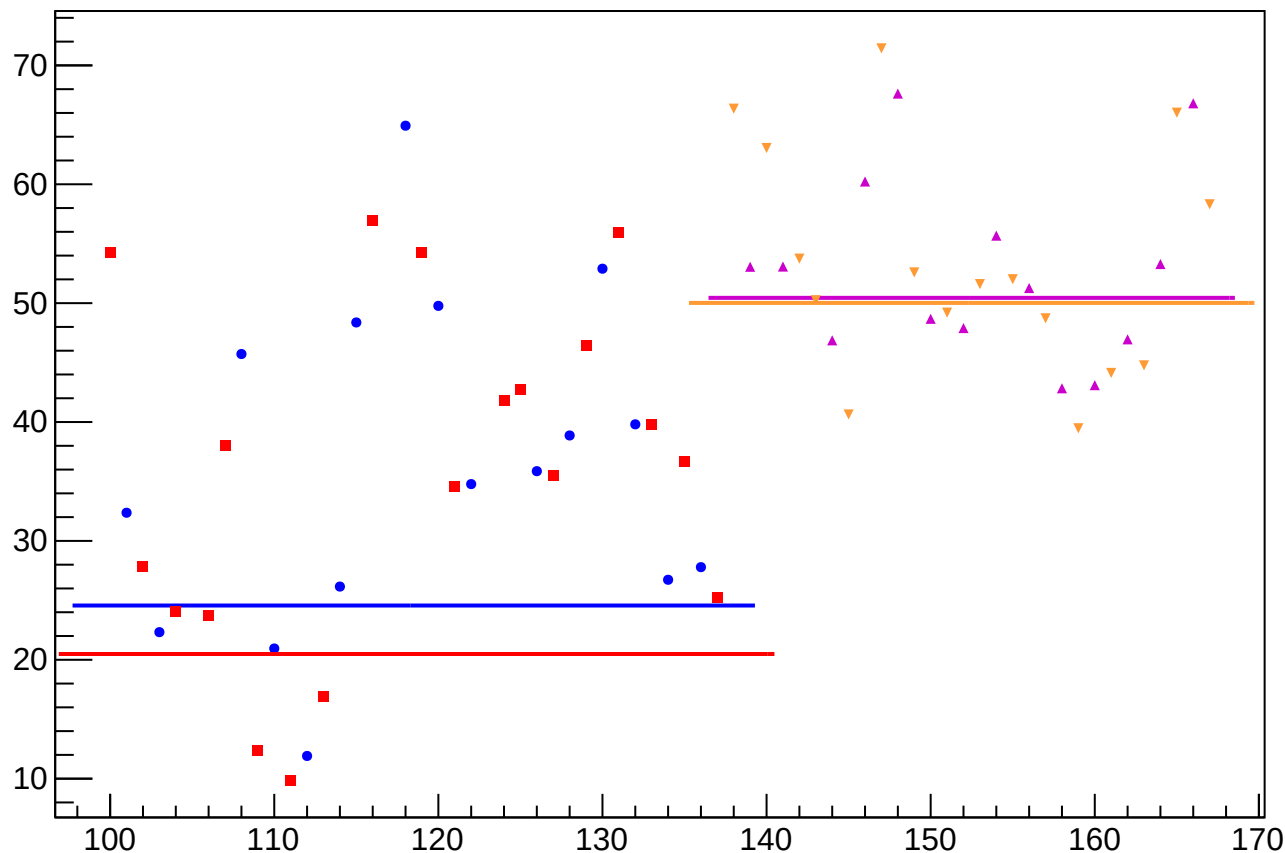
Left In: -0.017 ± 0.015 χ^2/NDF : 12.3/13

+ sign 0.006 ± 0.009 χ^2/NDF : 38.1/31

All: -0.001 ± 0.006 χ^2/NDF : 64.6/64

- sign -0.006 ± 0.008 χ^2/NDF : 25.4/32

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF : 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF : 679845.4/15

Right Out: 20.487+/-0.007 χ^2/NDF : 3583888.1/18

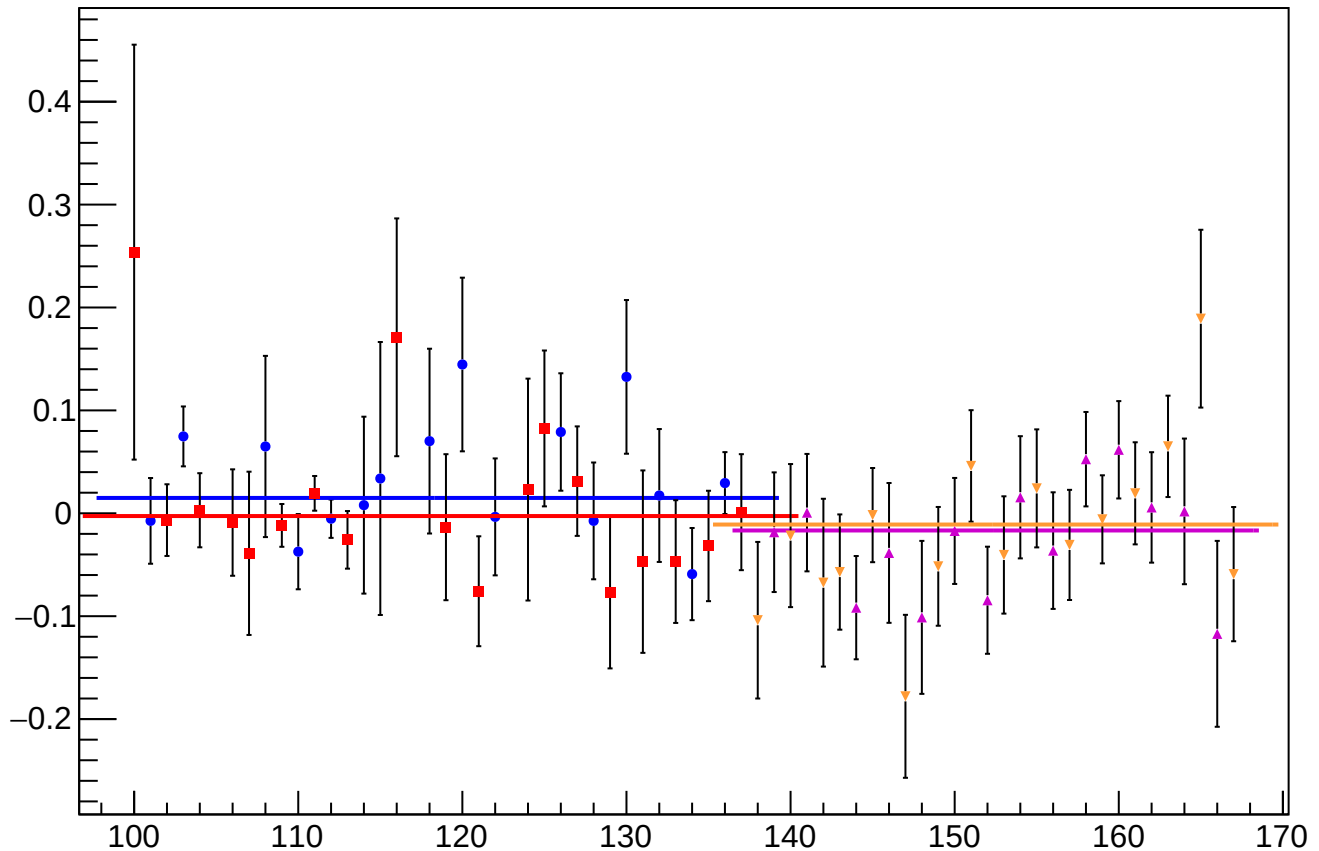
Left In: 50.446+/-0.011 χ^2/NDF : 370428.9/13

+ sign 33.495+/-0.006 χ^2/NDF : 7219972.1/31

All: 30.831+/-0.004 χ^2/NDF : 17215113.5/64

- sign 28.555+/-0.006 χ^2/NDF : 9633547.1/32

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.011 ± 0.014 $\chi^2/\text{NDF}: 18.2/15$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

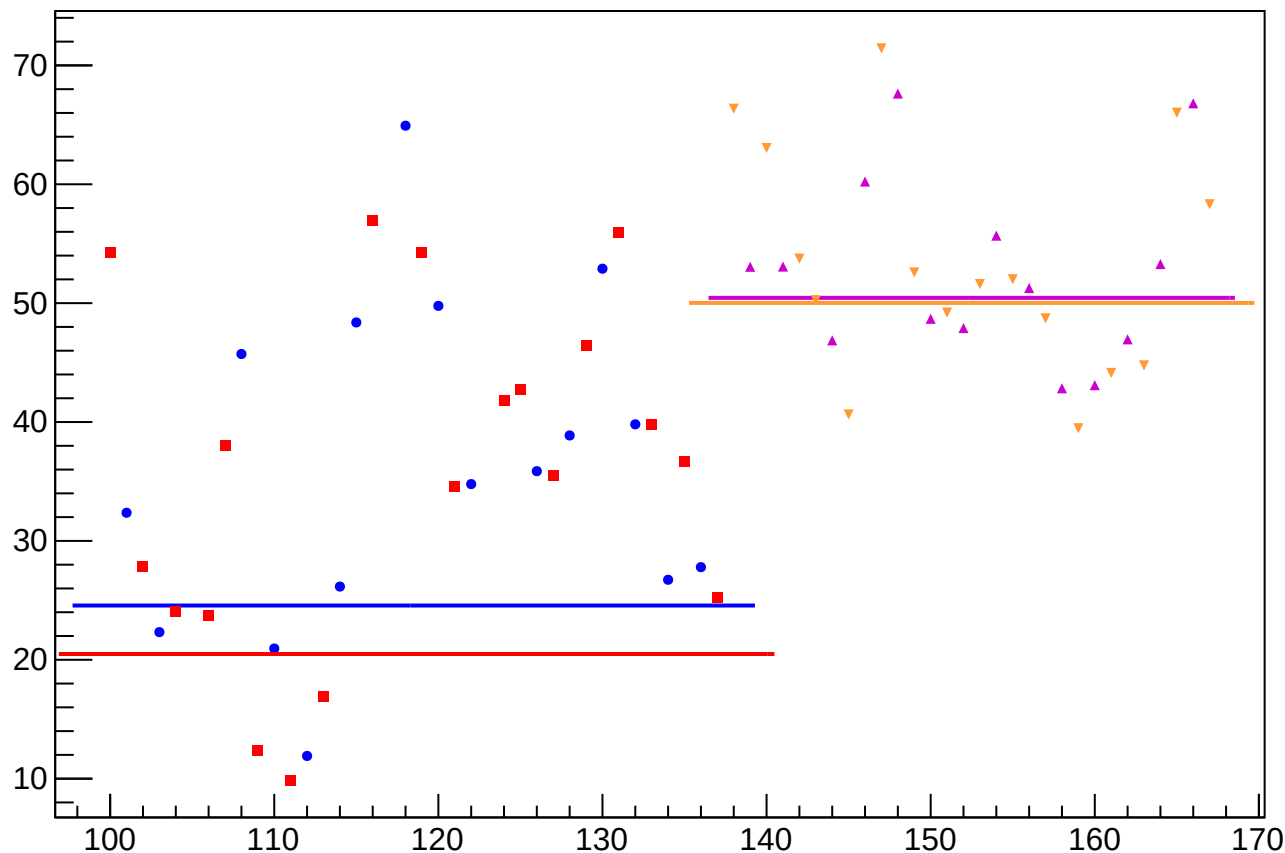
Left In: -0.017 ± 0.015 $\chi^2/\text{NDF}: 12.3/13$

+ sign 0.006 ± 0.009 $\chi^2/\text{NDF}: 38.1/31$

All: -0.001 ± 0.006 $\chi^2/\text{NDF}: 64.6/64$

- sign -0.006 ± 0.008 $\chi^2/\text{NDF}: 25.4/32$

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566 ± 0.007 $\chi^2/\text{NDF}: 2484434.5/15$

Left Out: 50.020 ± 0.010 $\chi^2/\text{NDF}: 679845.4/15$

Right Out: 20.487 ± 0.007 $\chi^2/\text{NDF}: 3583888.1/18$

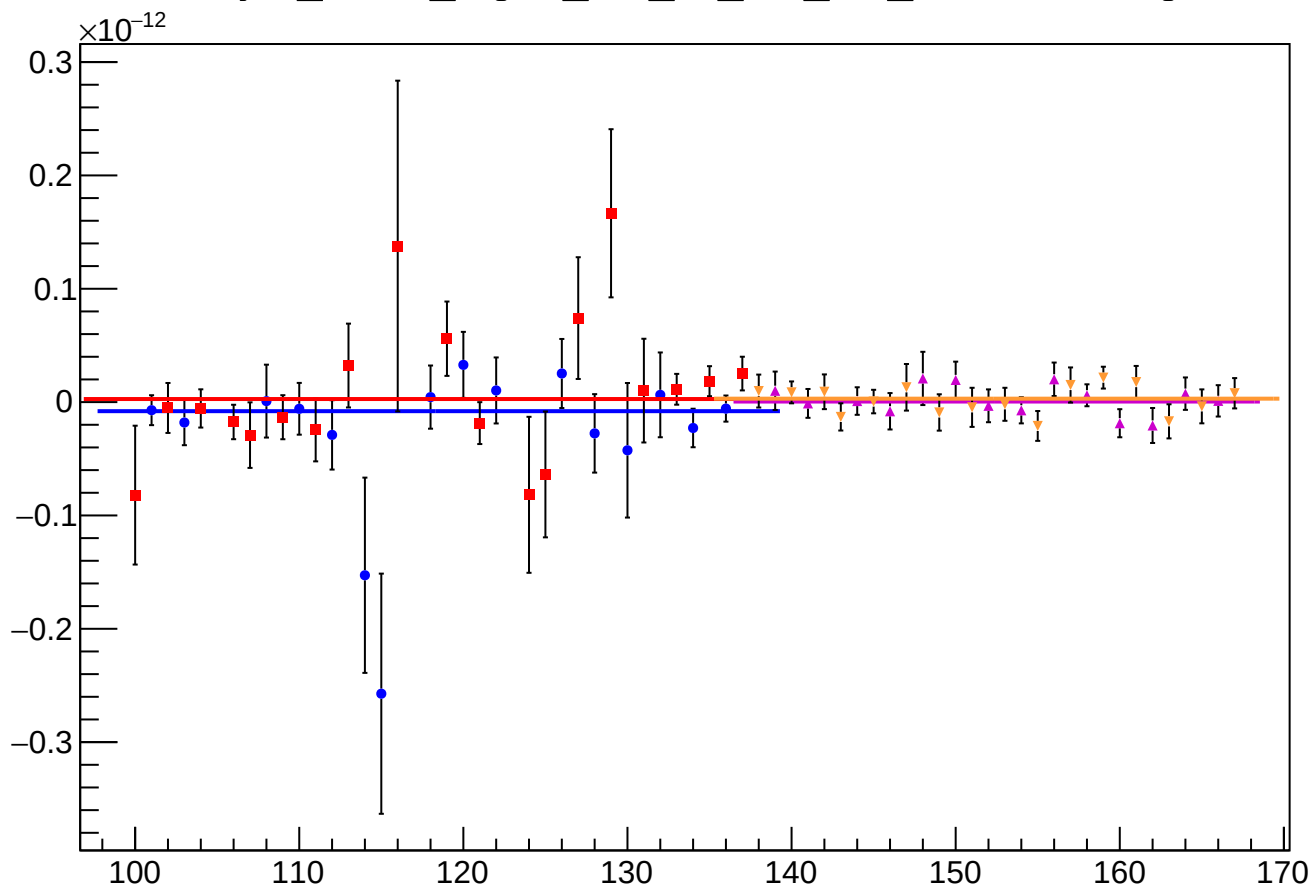
Left In: 50.446 ± 0.011 $\chi^2/\text{NDF}: 370428.9/13$

+ sign 33.495 ± 0.006 $\chi^2/\text{NDF}: 7219972.1/31$

All: 30.831 ± 0.004 $\chi^2/\text{NDF}: 17215113.5/64$

- sign 28.555 ± 0.006 $\chi^2/\text{NDF}: 9633547.1/32$

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:14.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/18

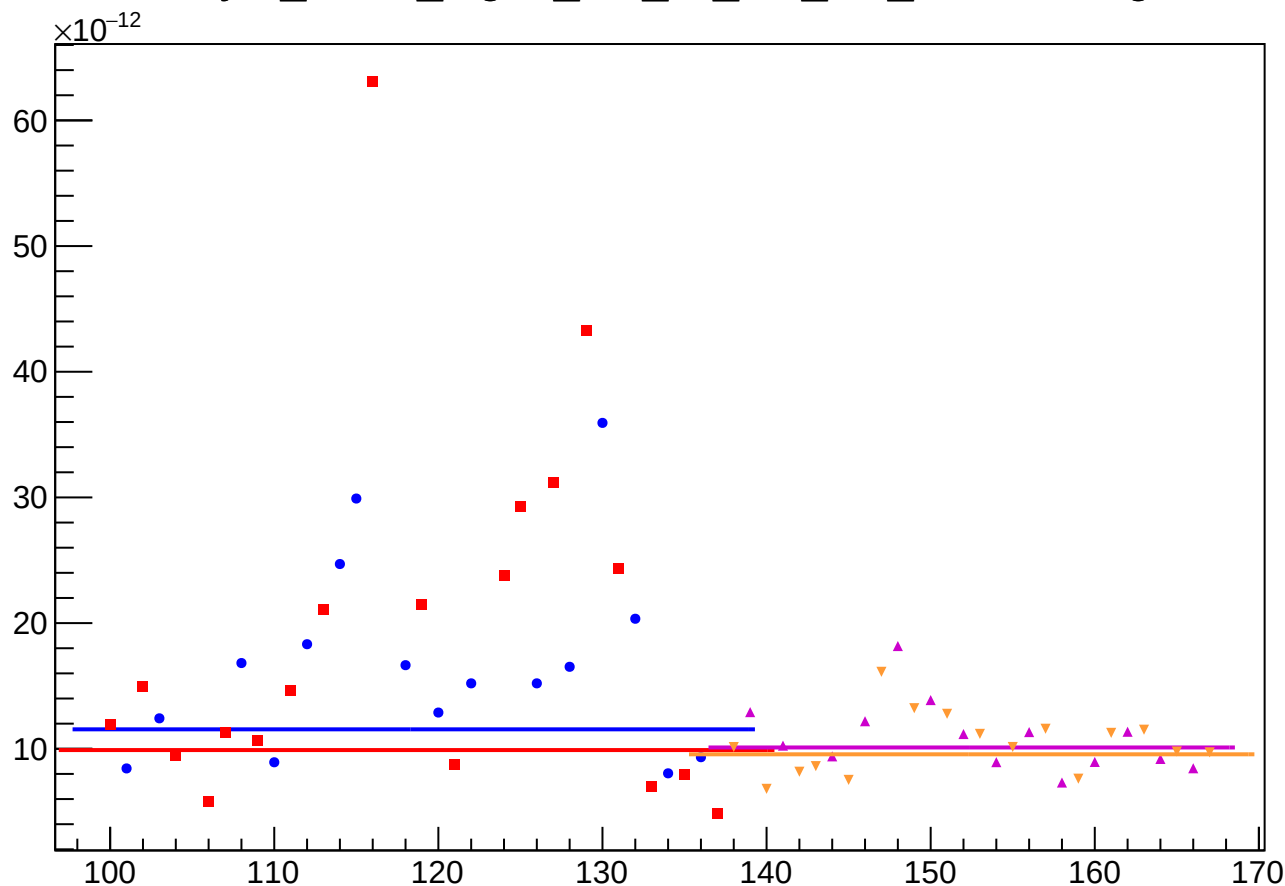
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.1/32

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 : 856581.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2635766.2/18

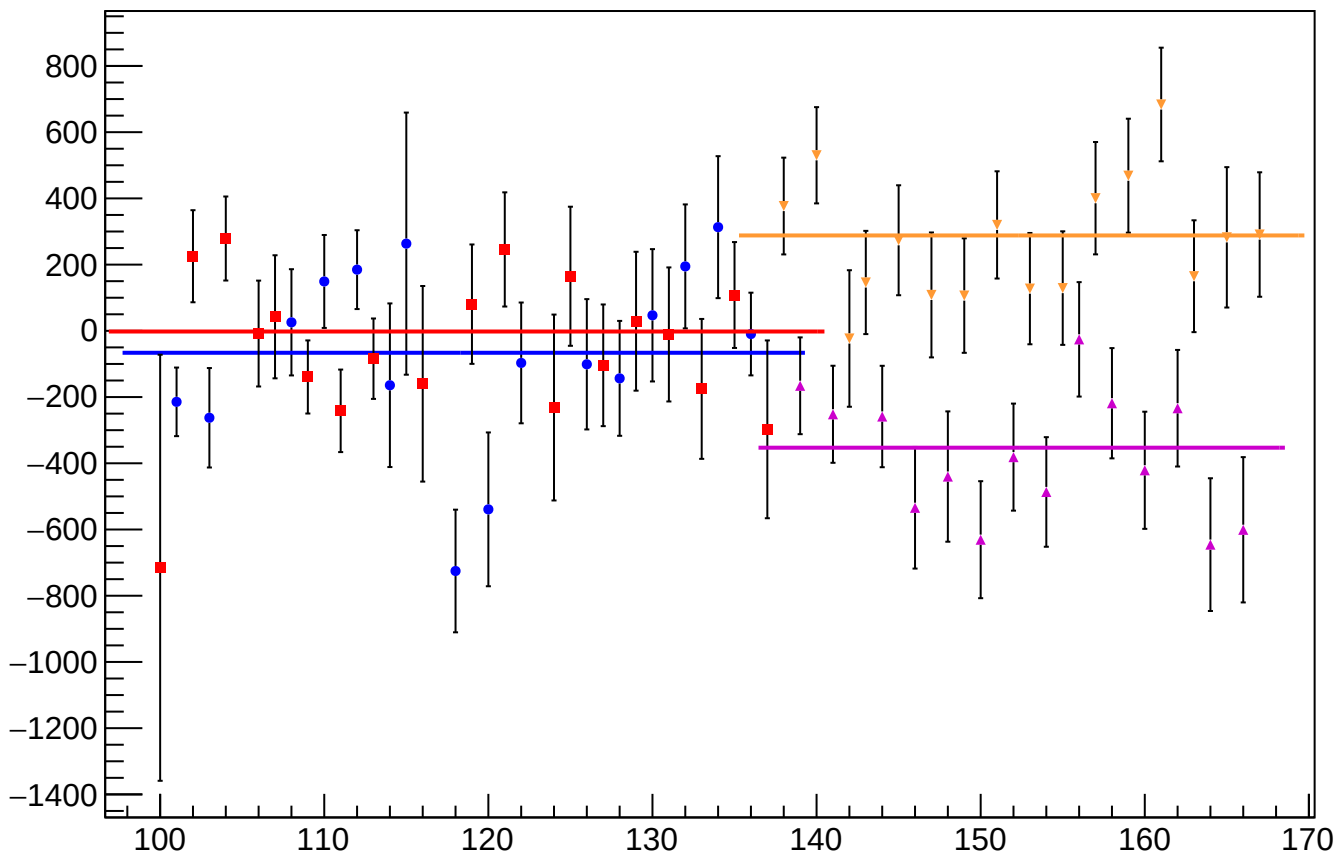
Left In: 0.000+/-0.000 χ^2/NDF : 720016.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 2214178.0/31

All: 0.000+/-0.000 χ^2/NDF : 5572110.5/64

- sign 0.000+/-0.000 χ^2/NDF : 3357888.5/32

reg_asym_sam6_mean vs Slug



Right In: -66.230 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 288.103 ± 42.553 χ^2/NDF : 17.5/15

Right Out: -2.017 ± 38.866 χ^2/NDF : 21.1/18

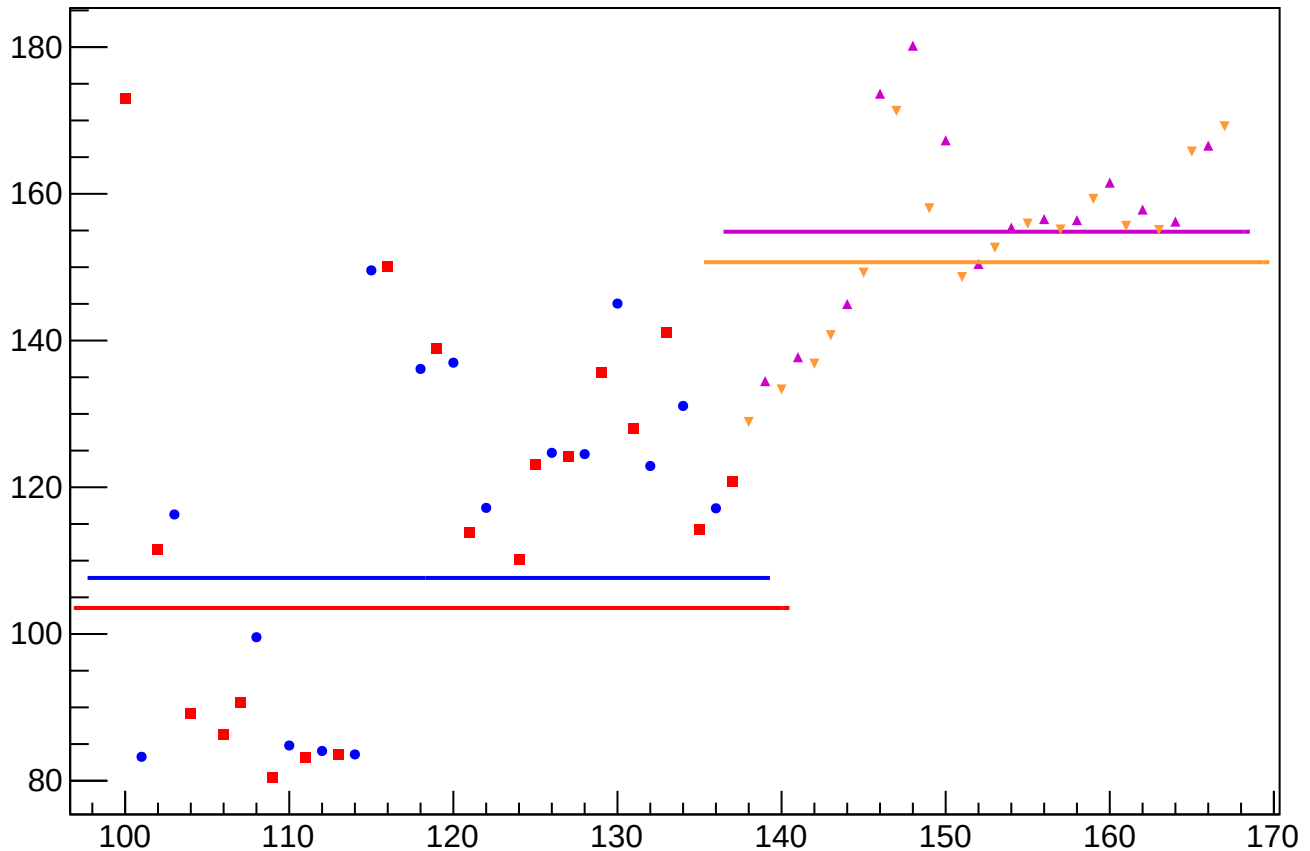
Left In: -352.917 ± 45.752 χ^2/NDF : 15.1/13

+ sign 104.080 ± 29.502 χ^2/NDF : 87.9/31

All: -21.998 ± 20.903 χ^2/NDF : 194.9/64

- sign -149.100 ± 29.621 χ^2/NDF : 70.4/32

reg_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532821.7/15

Left Out: 150.678 $\pm$ 0.030 χ^2 /NDF: 159137.8/15

Right Out: 103.550 $\pm$ 0.027 χ^2 /NDF: 617345.0/18

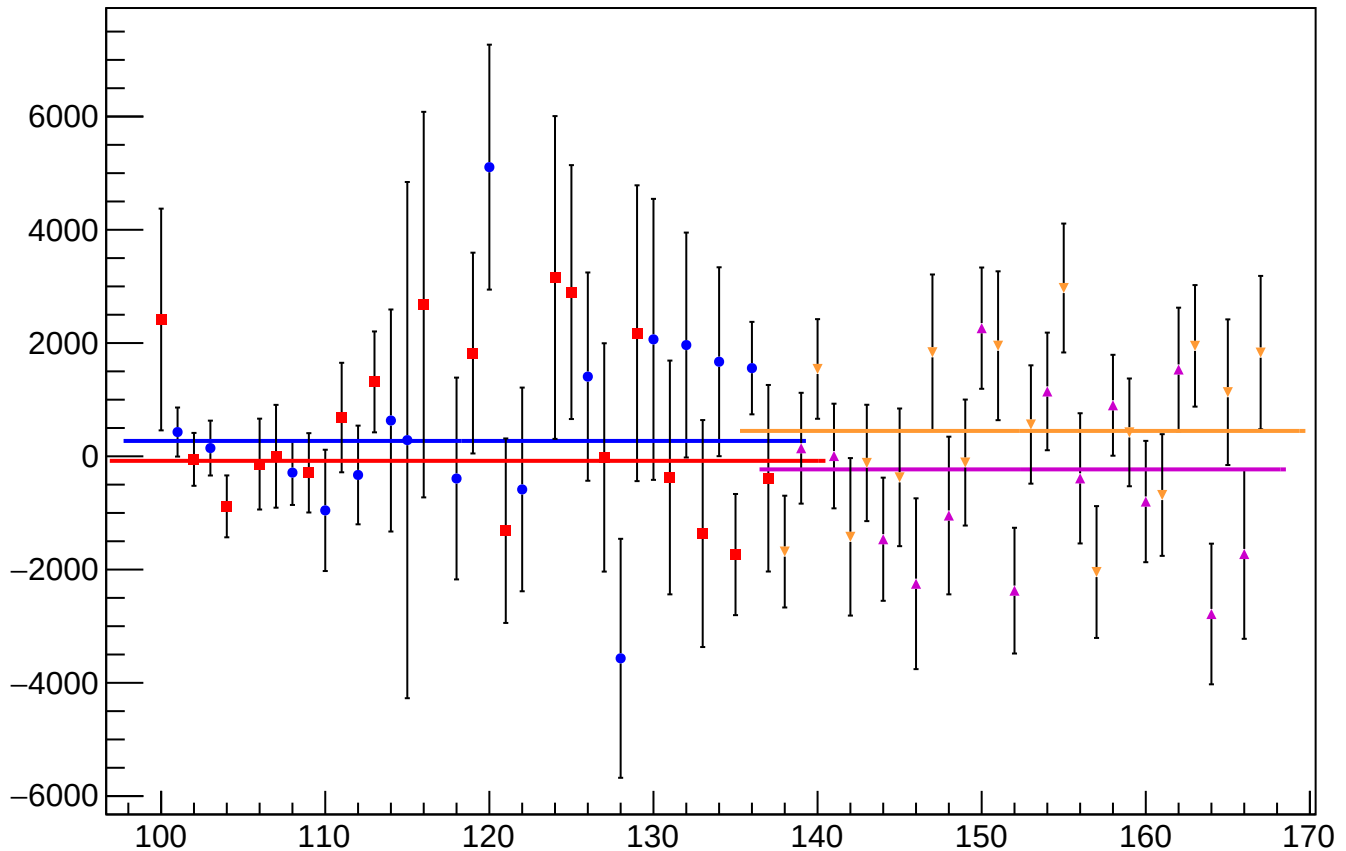
Left In: 154.833 $\pm$ 0.032 χ^2 /NDF: 149635.6/13

+ sign 128.328 $\pm$ 0.021 χ^2 /NDF: 1754236.7/31

All: 126.693 $\pm$ 0.015 χ^2 /NDF: 3993060.3/64

- sign 125.045 $\pm$ 0.021 χ^2 /NDF: 2226492.6/32

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505 ± 230.663 $\chi^2/\text{NDF}: 16.5/15$

Left Out: 448.207 ± 279.596 $\chi^2/\text{NDF}: 25.3/15$

Right Out: -80.094 ± 232.154 $\chi^2/\text{NDF}: 16.0/18$

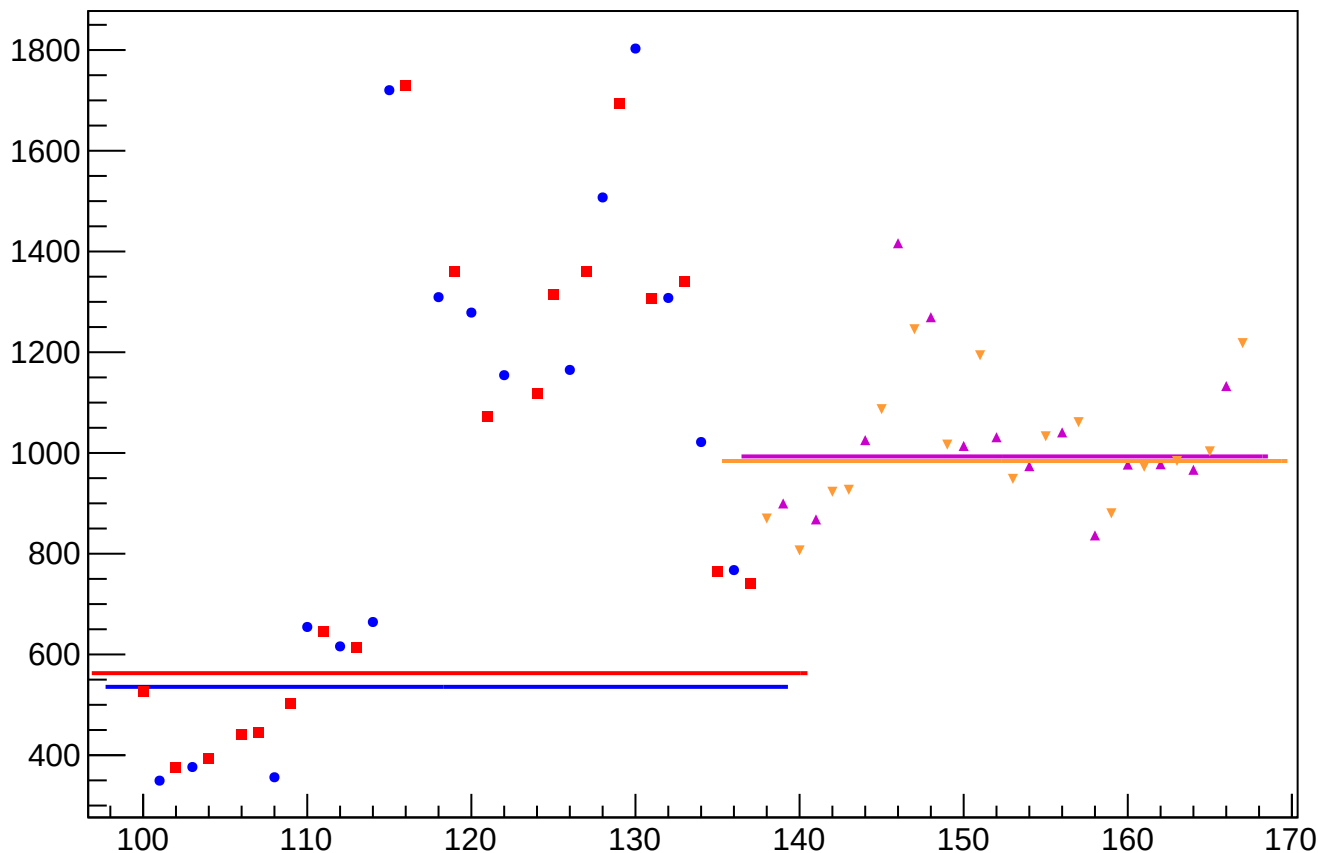
Left In: -230.959 ± 295.541 $\chi^2/\text{NDF}: 24.3/13$

+ sign 343.065 ± 177.928 $\chi^2/\text{NDF}: 42.0/31$

All: 108.882 ± 127.422 $\chi^2/\text{NDF}: 86.0/64$

- sign -137.663 ± 182.564 $\chi^2/\text{NDF}: 40.5/32$

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683 $\pm$ 0.163 χ^2 /NDF: 3632390.5/15

Left Out: 984.053 $\pm$ 0.198 χ^2 /NDF: 356722.0/15

Right Out: 562.845 $\pm$ 0.164 χ^2 /NDF: 3111031.5/18

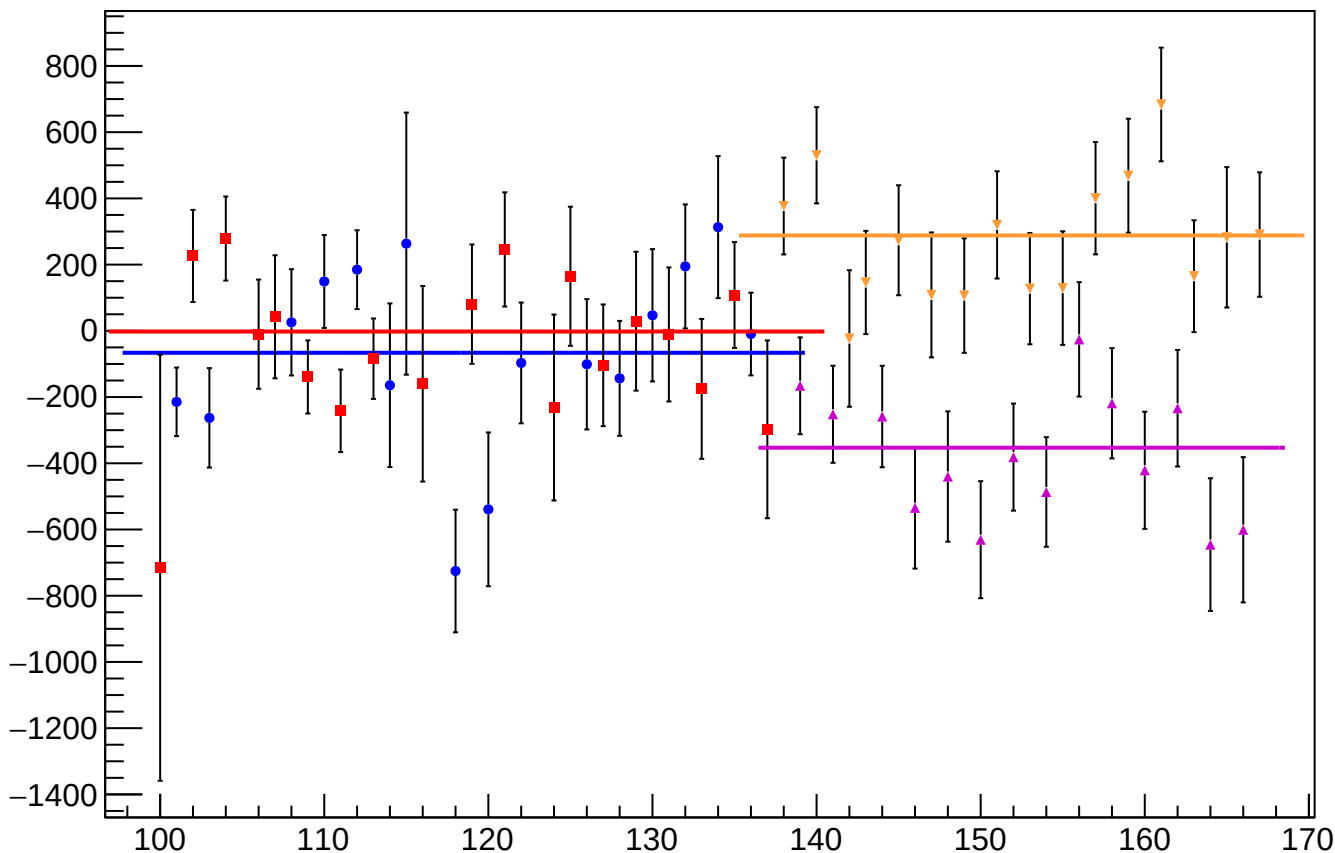
Left In: 993.163 $\pm$ 0.209 χ^2 /NDF: 381367.9/13

+ sign 717.261 $\pm$ 0.126 χ^2 /NDF: 7049495.3/31

All: 722.030 $\pm$ 0.090 χ^2 /NDF: 13166958.6/64

- sign 727.049 $\pm$ 0.129 χ^2 /NDF: 6114514.9/32

cor_asym_sam6_mean vs Slug



Right In: -66.256 $\pm$ 40.937 χ^2 /NDF: 34.4/15

Left Out: 288.099 $\pm$ 42.553 χ^2 /NDF:17.5/15

Right Out: -2.062 $\pm$ 38.937 χ^2 /NDF: 21.1/18

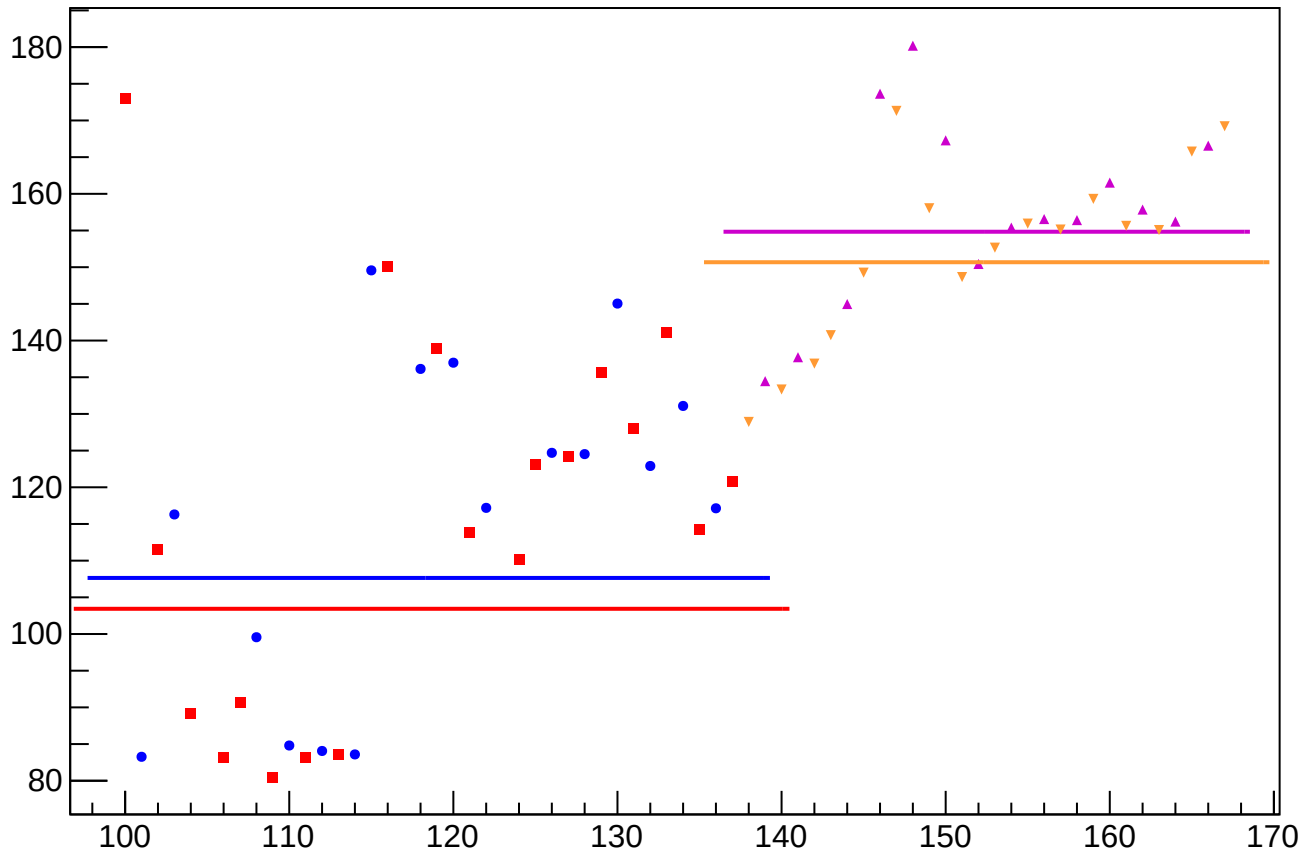
Left In: -352.920 $\pm$ 45.752 χ^2 /NDF:15.1/13

+ sign 104.065 $\pm$ 29.502 χ^2 /NDF: 87.9/31

All: -22.040 $\pm$ 20.914 χ^2 /NDF: 194.9/64

- sign -149.436 $\pm$ 29.652 χ^2 /NDF: 70.3/32

cor_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532822.8/15

Left Out: 150.678 $\pm$ 0.030 χ^2 /NDF: 159137.8/15

Right Out: 103.438 $\pm$ 0.028 χ^2 /NDF: 624750.2/18

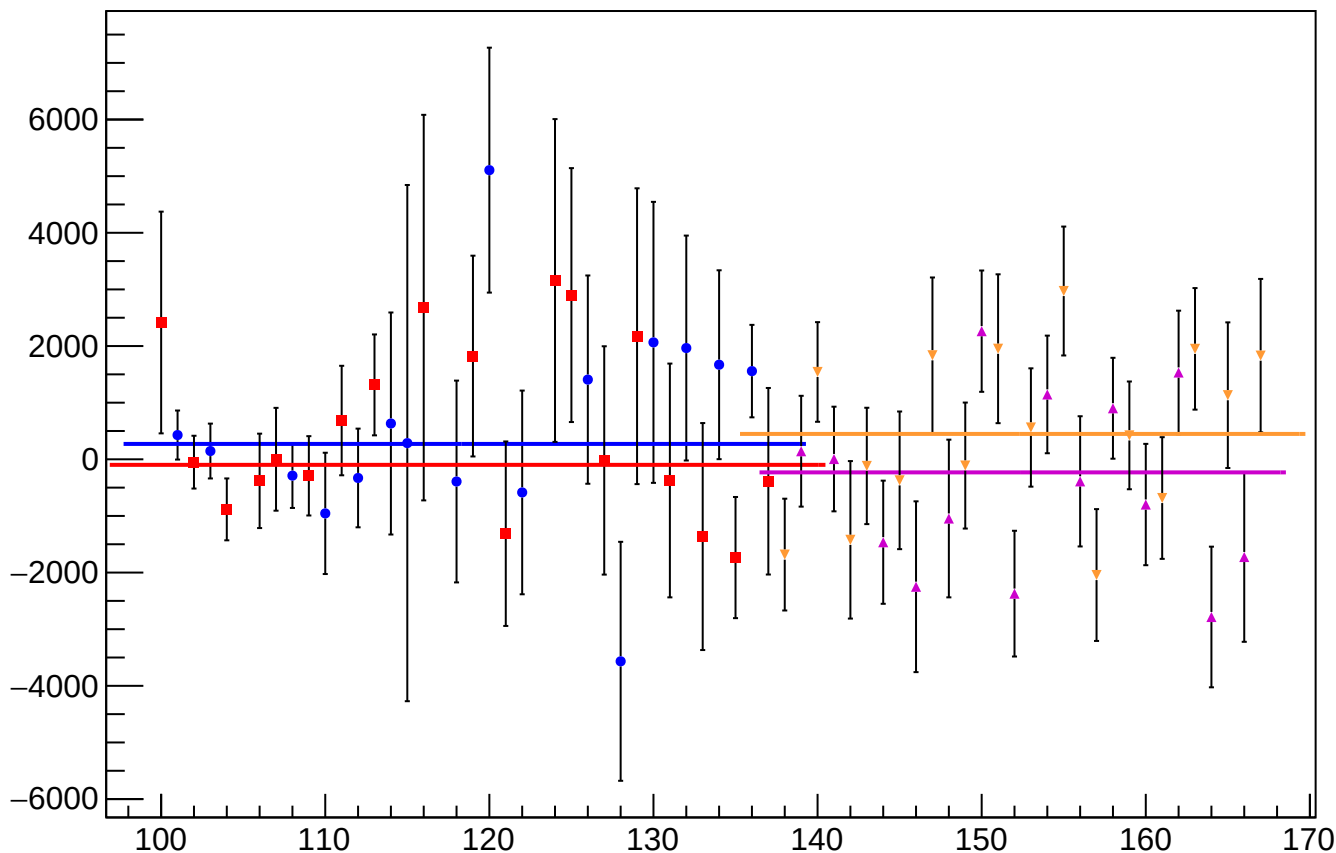
Left In: 154.833 $\pm$ 0.032 χ^2 /NDF: 149635.6/13

+ sign 128.328 $\pm$ 0.021 χ^2 /NDF: 1754234.9/31

All: 126.685 $\pm$ 0.015 χ^2 /NDF: 4004769.7/64

- sign 125.026 $\pm$ 0.021 χ^2 /NDF: 2238066.3/32

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645 ± 230.655 χ^2/NDF : 16.5/15

Left Out: 448.211 ± 279.596 χ^2/NDF : 25.3/15

Right Out: -97.847 ± 232.781 χ^2/NDF : 16.1/18

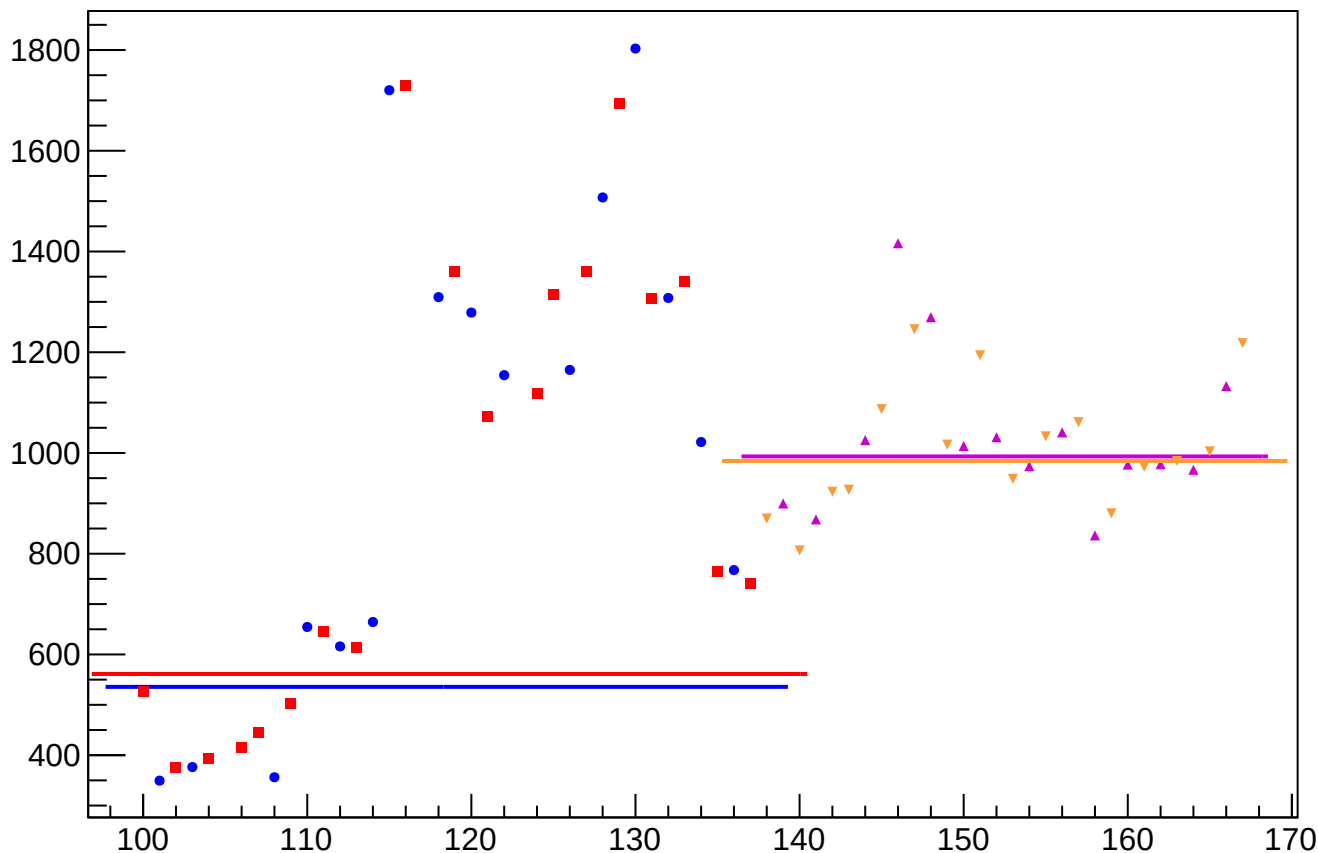
Left In: -230.957 ± 295.541 χ^2/NDF : 24.3/13

+ sign 343.147 ± 177.925 χ^2/NDF : 42.0/31

All: 103.908 ± 127.524 χ^2/NDF : 86.2/64

- sign -148.810 ± 182.869 χ^2/NDF : 40.5/32

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF : 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF : 356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF : 3130760.7/18

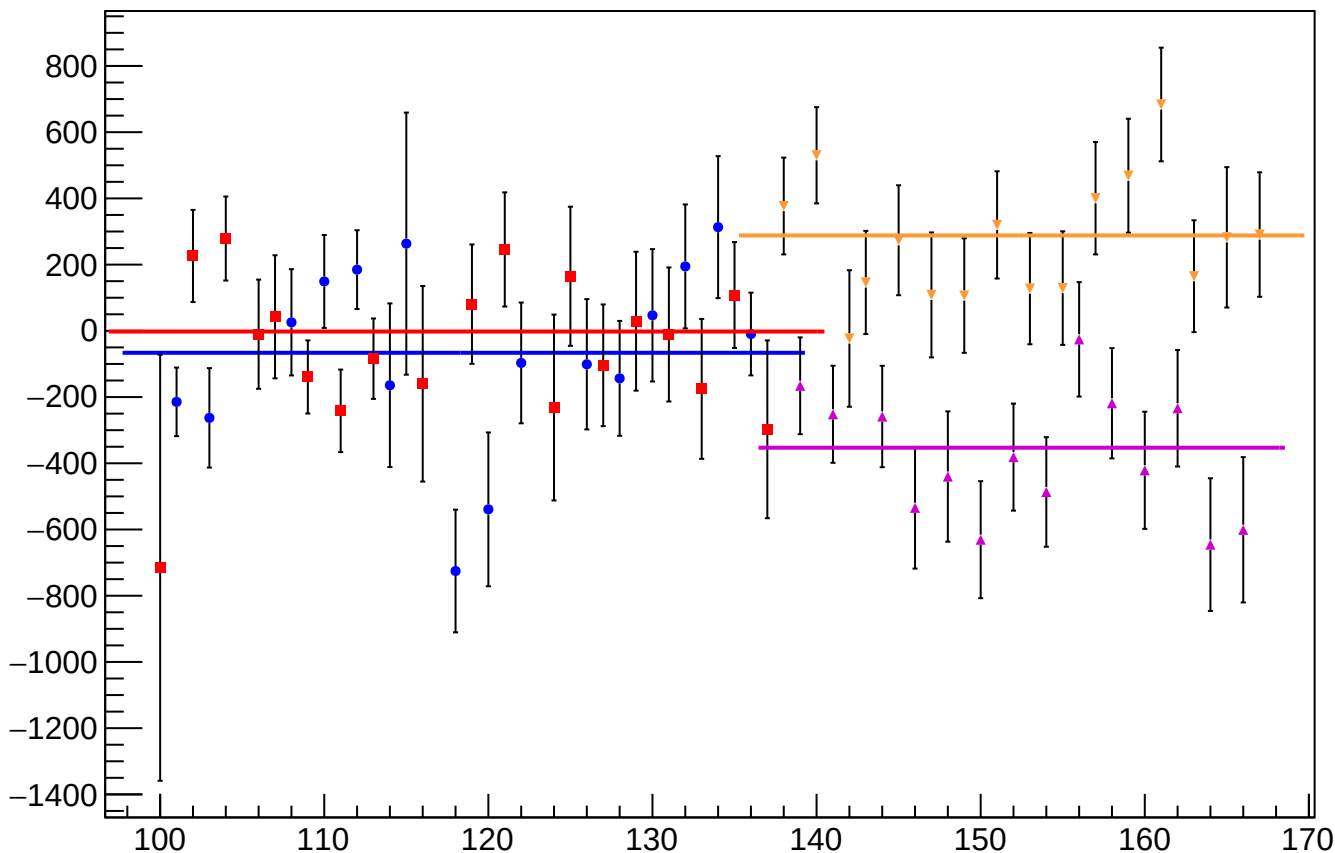
Left In: 993.164+/-0.209 χ^2/NDF : 381366.6/13

+ sign 717.242+/-0.126 χ^2/NDF : 7050072.0/31

All: 721.805+/-0.090 χ^2/NDF : 13200818.7/64

- sign 726.625+/-0.129 χ^2/NDF : 6148041.6/32

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 288.099 ± 42.553 χ^2/NDF : 17.5/15

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

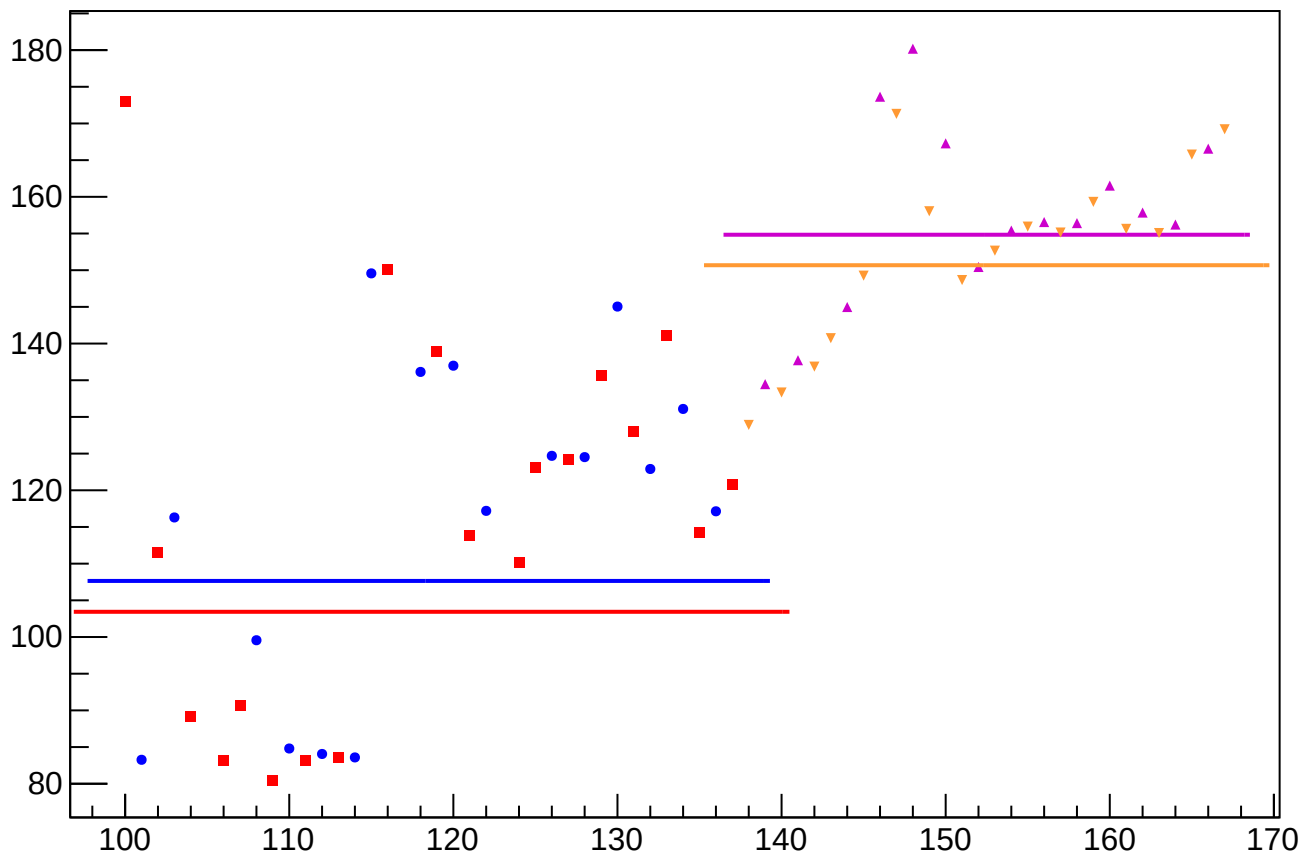
Left In: -352.920 ± 45.752 χ^2/NDF : 15.1/13

+ sign 104.065 ± 29.502 χ^2/NDF : 87.9/31

All: -22.040 ± 20.914 χ^2/NDF : 194.9/64

- sign -149.436 ± 29.652 χ^2/NDF : 70.3/32

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF : 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF : 159137.8/15

Right Out: 103.438+/-0.028 χ^2/NDF : 624750.2/18

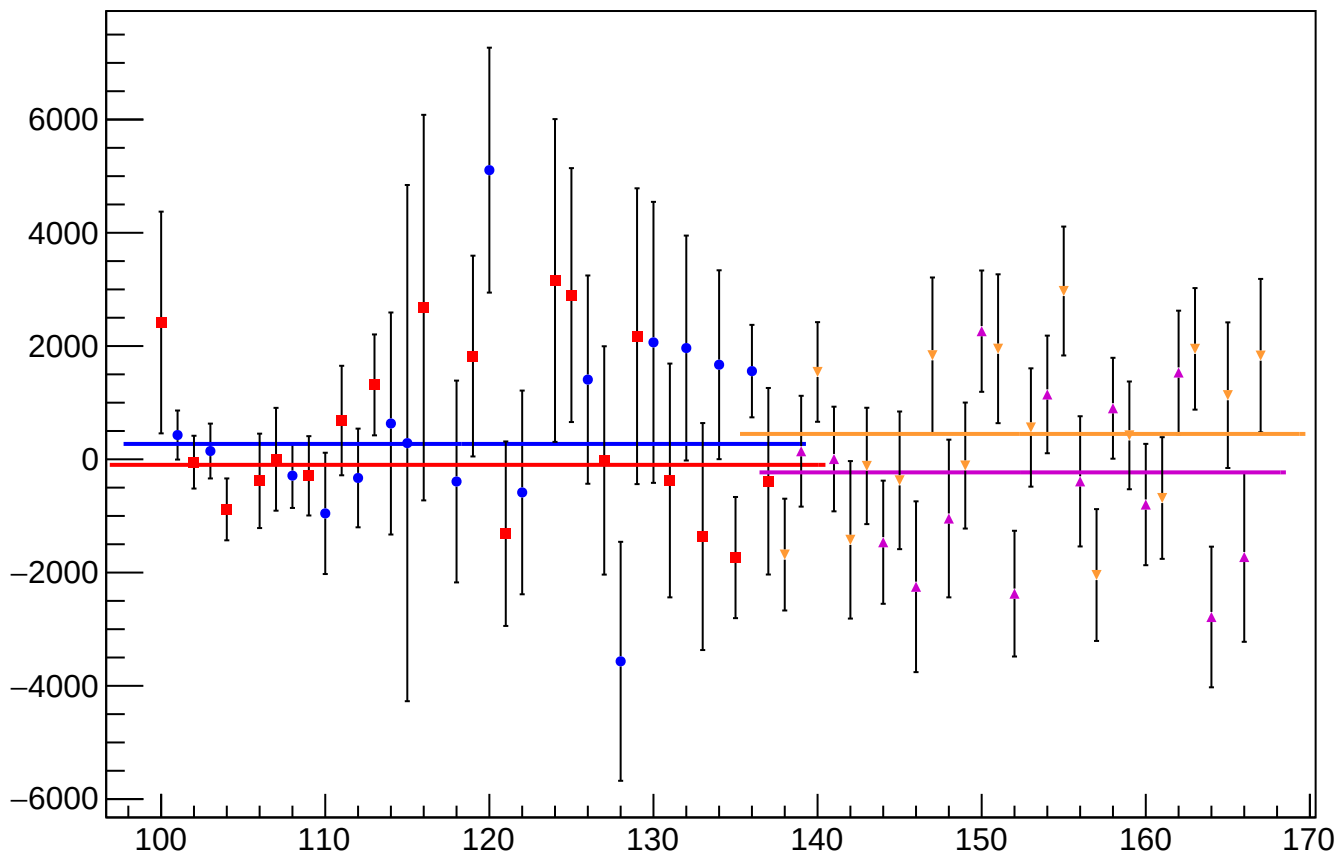
Left In: 154.833+/-0.032 χ^2/NDF : 149635.6/13

+ sign 128.328+/-0.021 χ^2/NDF : 1754234.9/31

All: 126.685+/-0.015 χ^2/NDF : 4004769.7/64

- sign 125.026+/-0.021 χ^2/NDF : 2238066.3/32

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: 448.211 $\pm$ 279.596 χ^2 /NDF:25.3/15

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

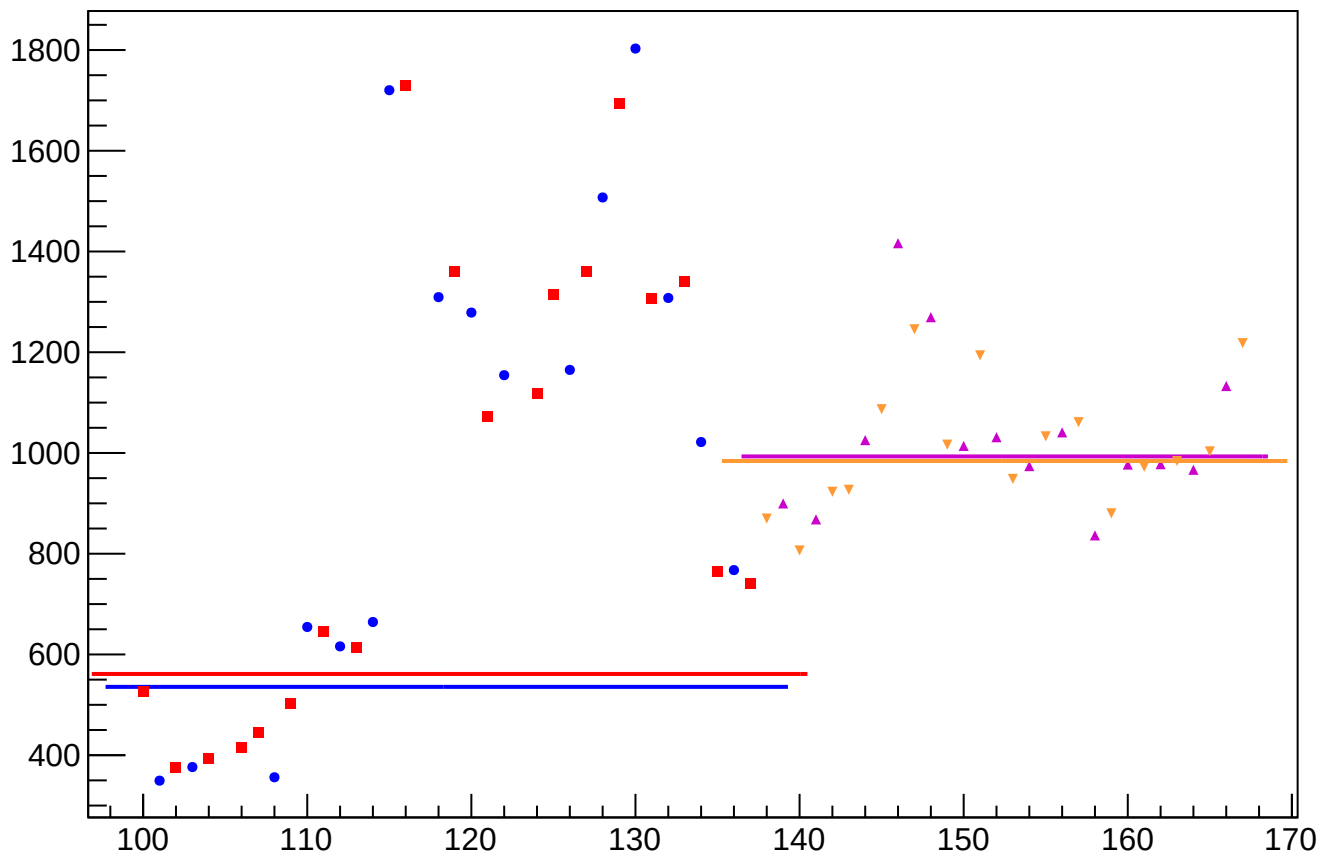
Left In: -230.957 $\pm$ 295.541 χ^2 /NDF:24.3/13

+ sign 343.147 $\pm$ 177.925 χ^2 /NDF: 42.0/31

All: 103.908 $\pm$ 127.524 χ^2 /NDF: 86.2/64

- sign -148.810 $\pm$ 182.869 χ^2 /NDF: 40.5/32

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661 $\pm$ 0.163 χ^2 /NDF: 3632591.0/15

Left Out: 984.053 $\pm$ 0.198 χ^2 /NDF: 356722.0/15

Right Out: 561.270 $\pm$ 0.165 χ^2 /NDF: 3130760.7/18

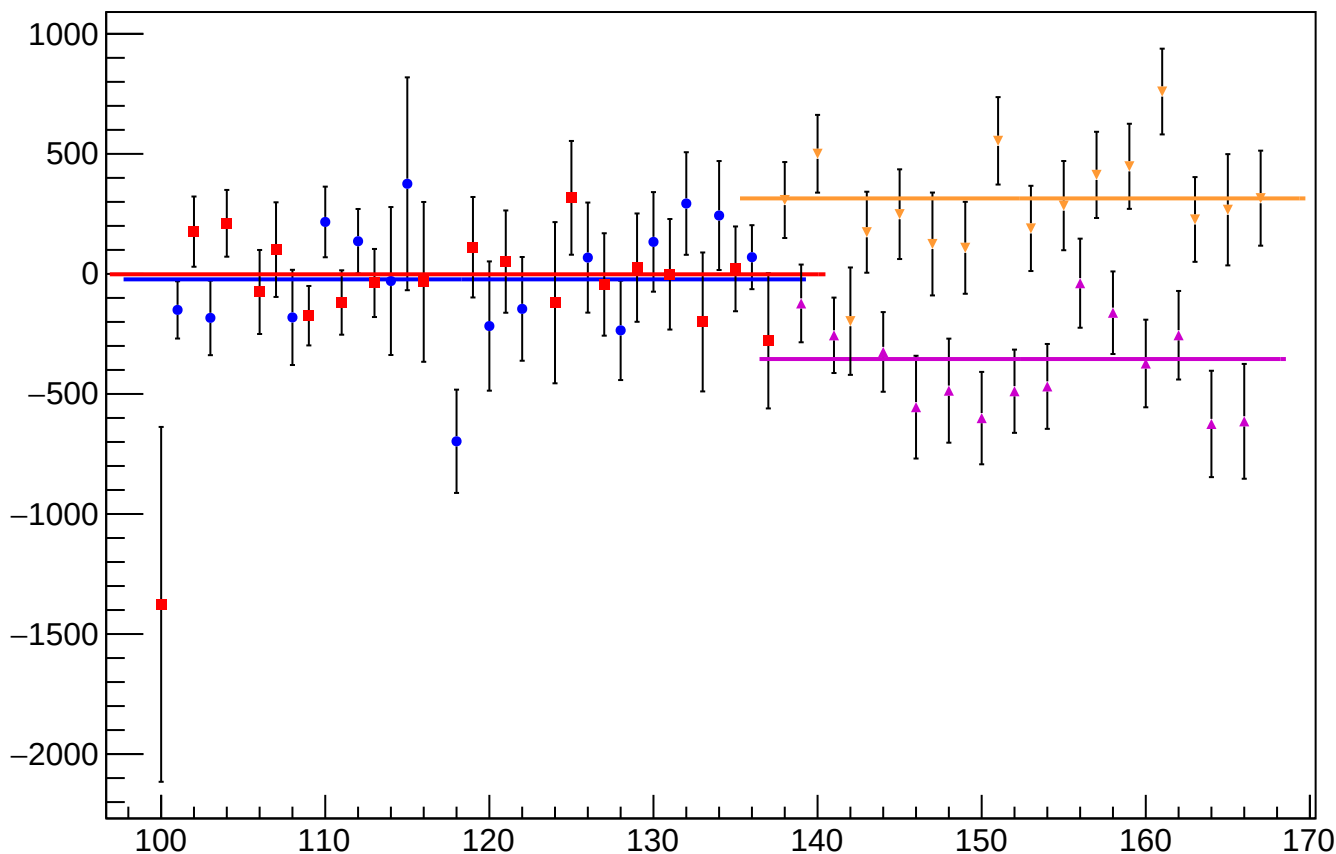
Left In: 993.164 $\pm$ 0.209 χ^2 /NDF: 381366.6/13

+ sign 717.242 $\pm$ 0.126 χ^2 /NDF: 7050072.0/31

All: 721.805 $\pm$ 0.090 χ^2 /NDF: 13200818.7/64

- sign 726.625 $\pm$ 0.129 χ^2 /NDF: 6148041.6/32

dit_asym_sam6_mean vs Slug



Right In: -22.678 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 314.534 ± 46.019 χ^2/NDF : 18.9/15

Right Out: -1.600 ± 43.563 χ^2/NDF : 14.3/18

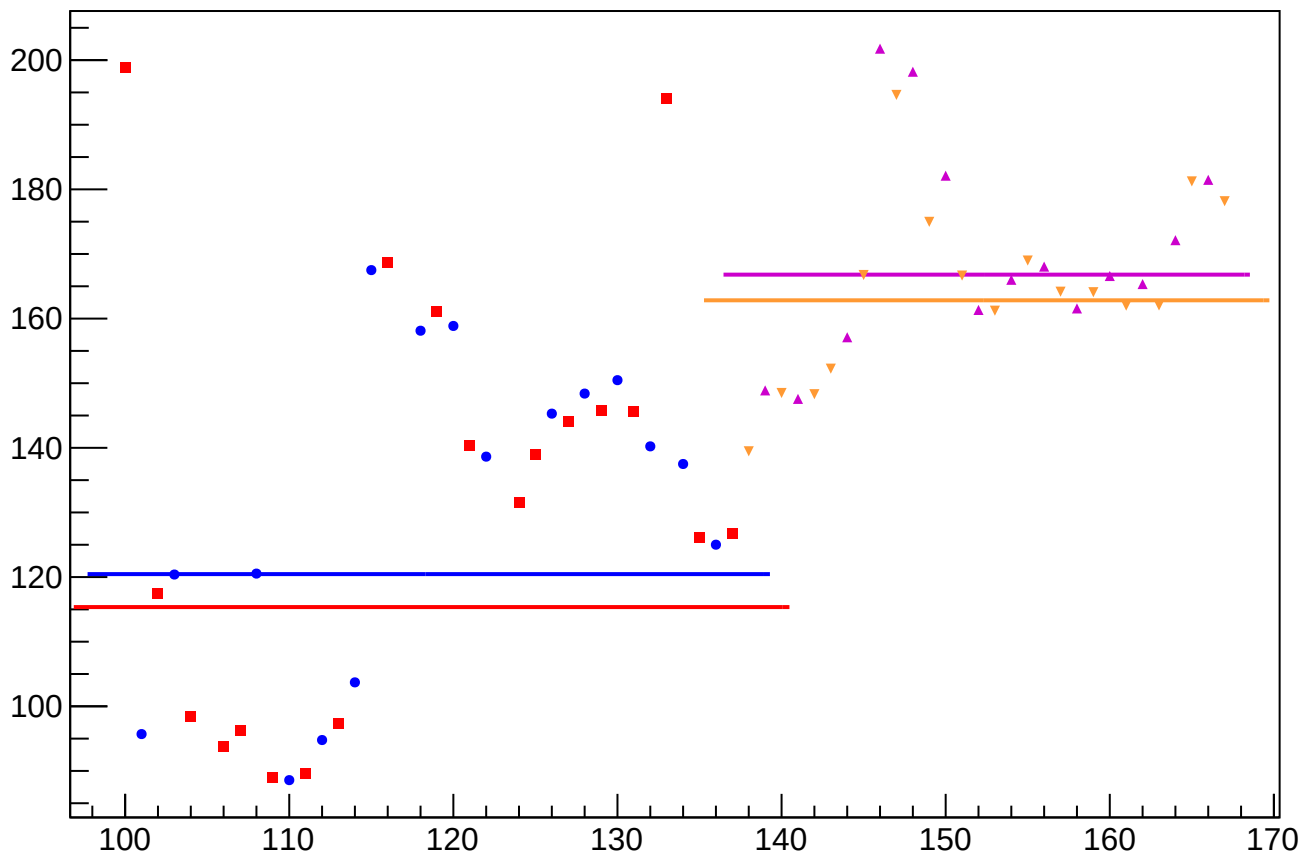
Left In: -354.553 ± 49.352 χ^2/NDF : 13.5/13

+ sign 145.520 ± 32.501 χ^2/NDF : 70.0/31

All: -4.592 ± 23.038 χ^2/NDF : 169.4/64

- sign -156.171 ± 32.660 χ^2/NDF : 56.5/32

dit_asym_sam6_rms vs Slug



Right In: 120.458 $\pm$ 0.032 χ^2 /NDF: 530331.6/15

Left Out: 162.830 $\pm$ 0.033 χ^2 /NDF: 156698.1/15

Right Out: 115.357 $\pm$ 0.031 χ^2 /NDF: 767236.0/18

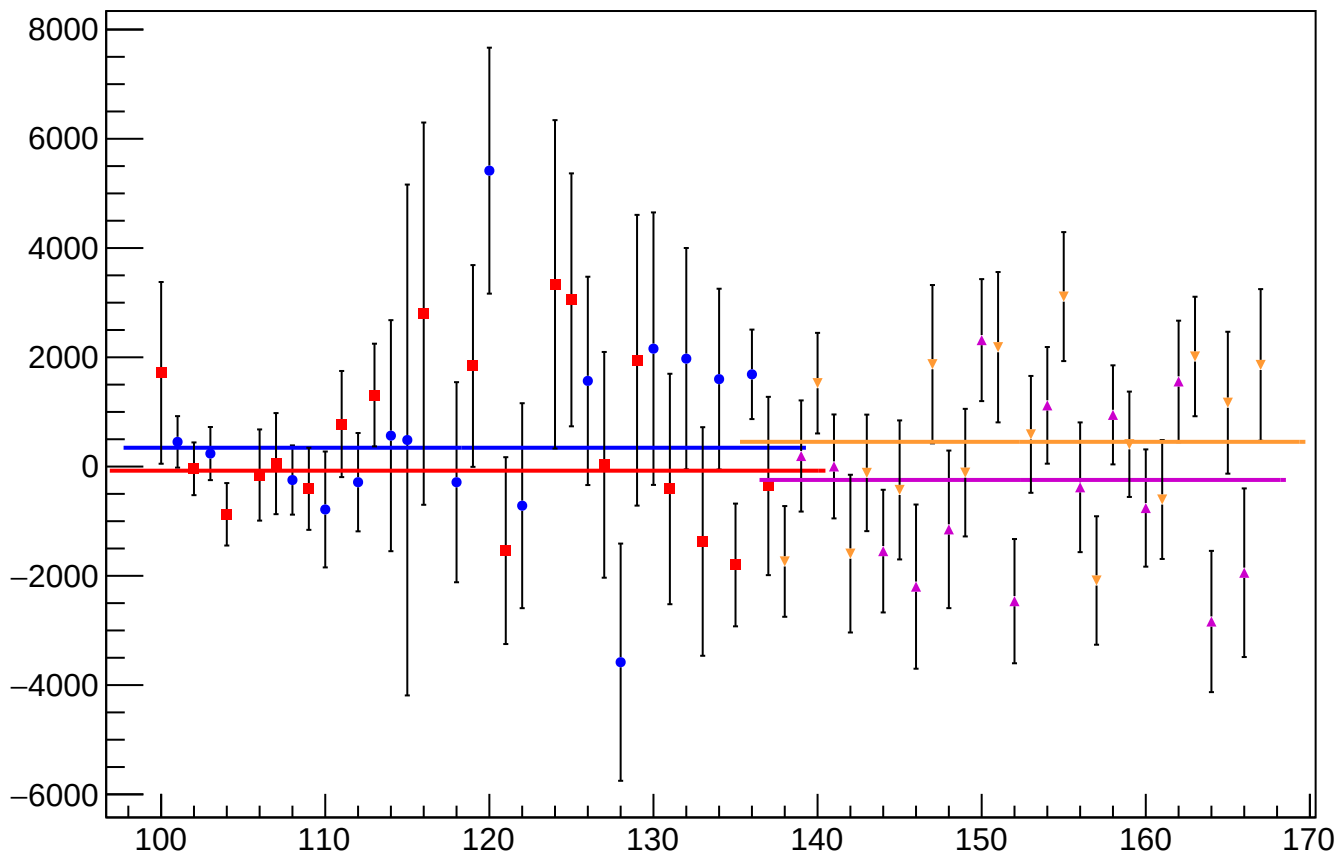
Left In: 166.802 $\pm$ 0.035 χ^2 /NDF: 182131.0/13

+ sign 141.593 $\pm$ 0.023 χ^2 /NDF: 1536816.1/31

All: 139.749 $\pm$ 0.016 χ^2 /NDF: 3720606.8/64

- sign 137.887 $\pm$ 0.023 χ^2 /NDF: 2170850.4/32

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437 ± 241.532 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 452.824 ± 288.078 $\chi^2/\text{NDF}: 25.6/15$

Right Out: -75.434 ± 240.479 $\chi^2/\text{NDF}: 15.3/18$

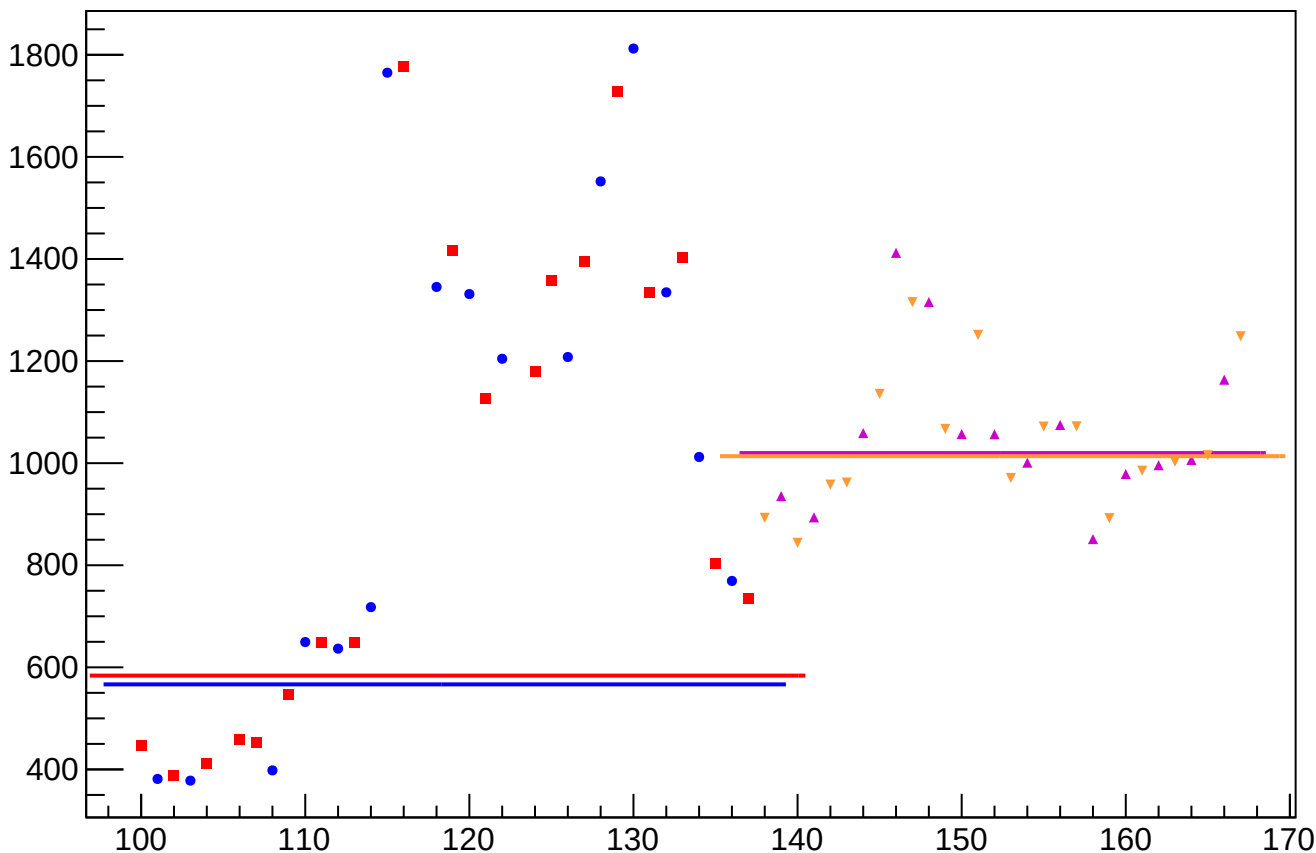
Left In: -244.792 ± 303.433 $\chi^2/\text{NDF}: 24.2/13$

+ sign 389.178 ± 185.086 $\chi^2/\text{NDF}: 42.0/31$

All: 129.001 ± 132.055 $\chi^2/\text{NDF}: 85.6/64$

- sign -140.770 ± 188.468 $\chi^2/\text{NDF}: 39.7/32$

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603 $\pm$ 0.171 χ^2 /NDF: 3432440.2/15

Left Out: 1013.642 $\pm$ 0.204 χ^2 /NDF: 376483.0/15

Right Out: 583.794 $\pm$ 0.170 χ^2 /NDF: 3107513.6/18

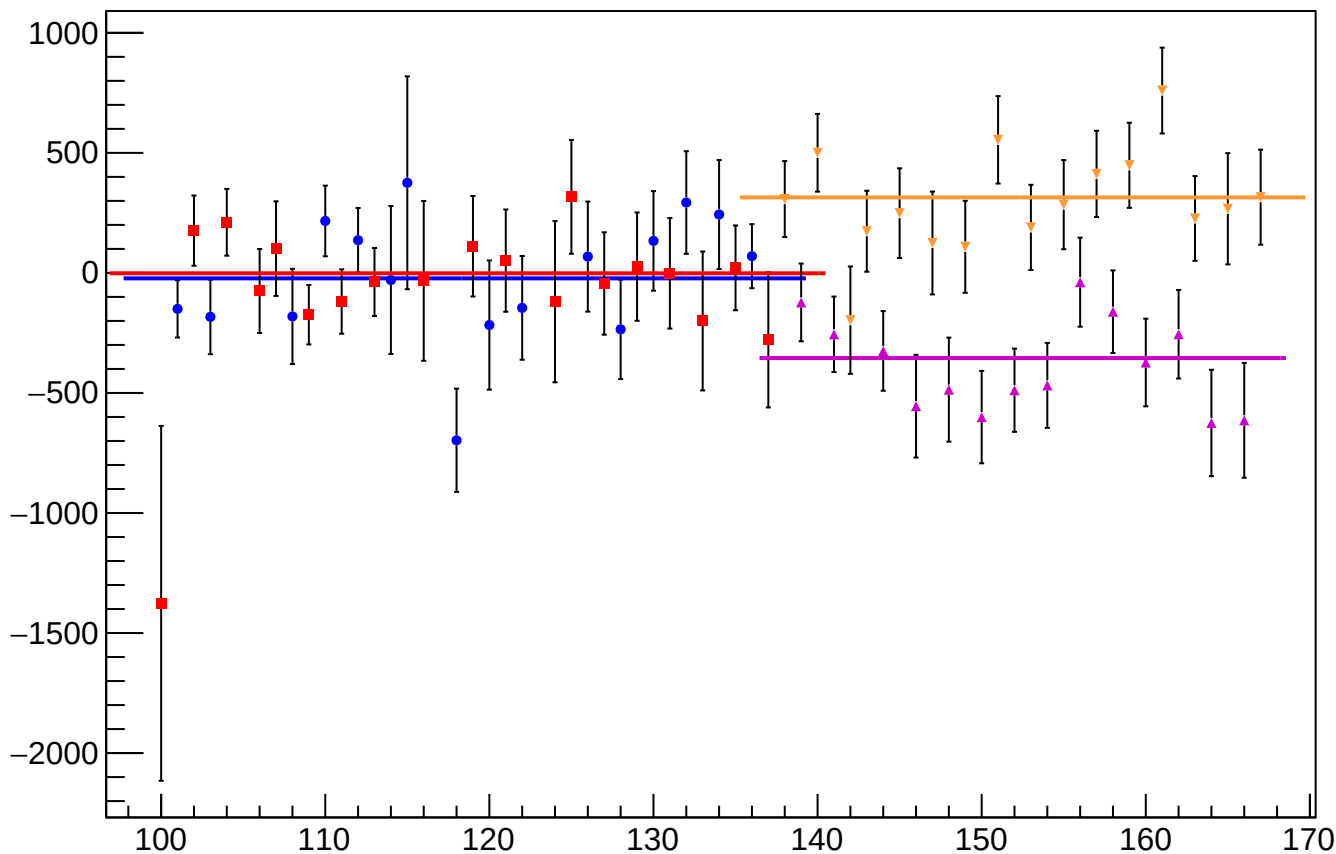
Left In: 1019.772 $\pm$ 0.215 χ^2 /NDF: 371424.6/13

+ sign 751.134 $\pm$ 0.131 χ^2 /NDF: 6637035.8/31

All: 751.554 $\pm$ 0.093 χ^2 /NDF: 12652017.8/64

- sign 751.989 $\pm$ 0.133 χ^2 /NDF: 6014961.0/32

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 314.534 ± 46.019 χ^2/NDF : 18.9/15

Right Out: -1.601 ± 43.563 χ^2/NDF : 14.3/18

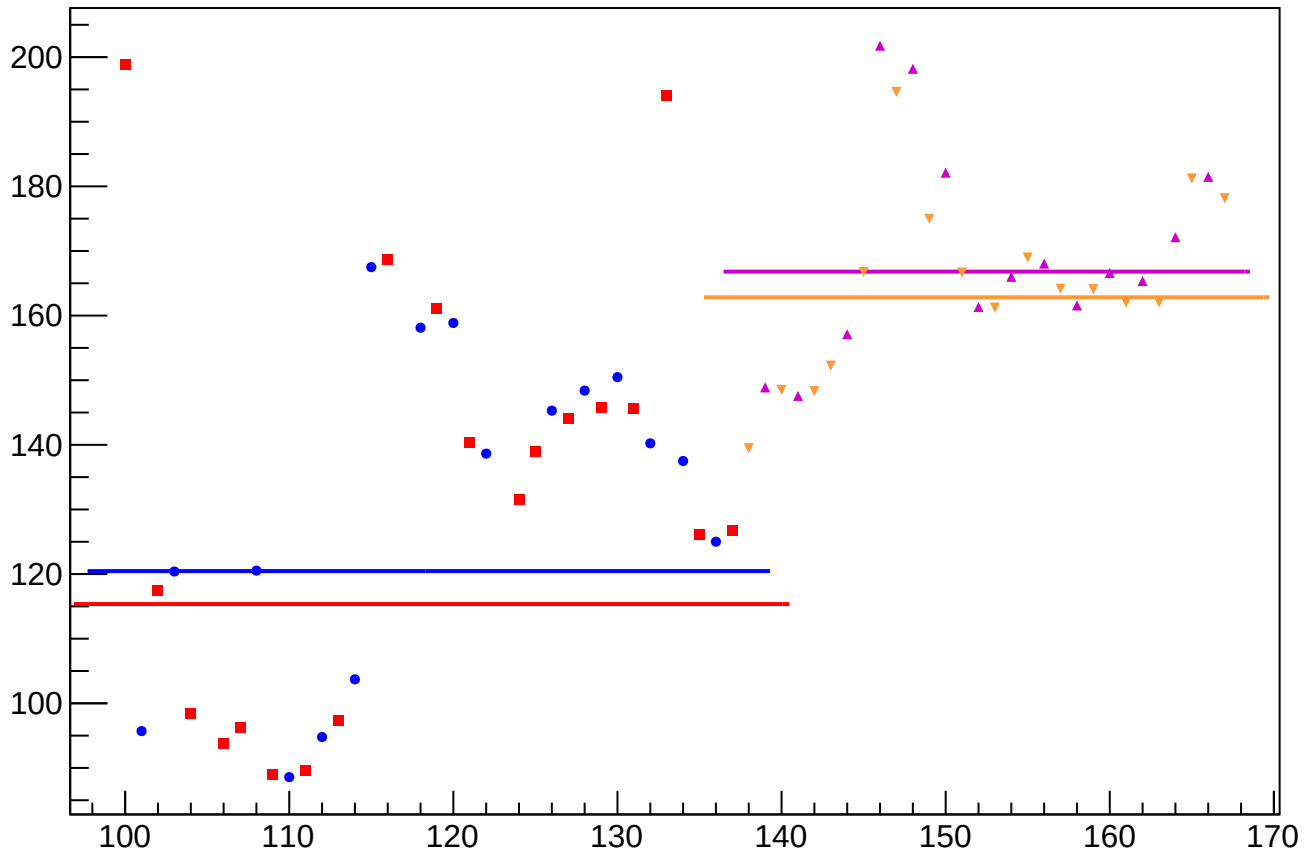
Left In: -354.554 ± 49.352 χ^2/NDF : 13.5/13

+ sign 145.520 ± 32.501 χ^2/NDF : 70.0/31

All: -4.593 ± 23.038 χ^2/NDF : 169.4/64

- sign -156.172 ± 32.660 χ^2/NDF : 56.5/32

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458 $\pm$ 0.032 χ^2 /NDF: 530335.0/15

Left Out: 162.829 $\pm$ 0.033 χ^2 /NDF:156696.6/15

Right Out: 115.357 $\pm$ 0.031 χ^2 /NDF: 767234.8/18

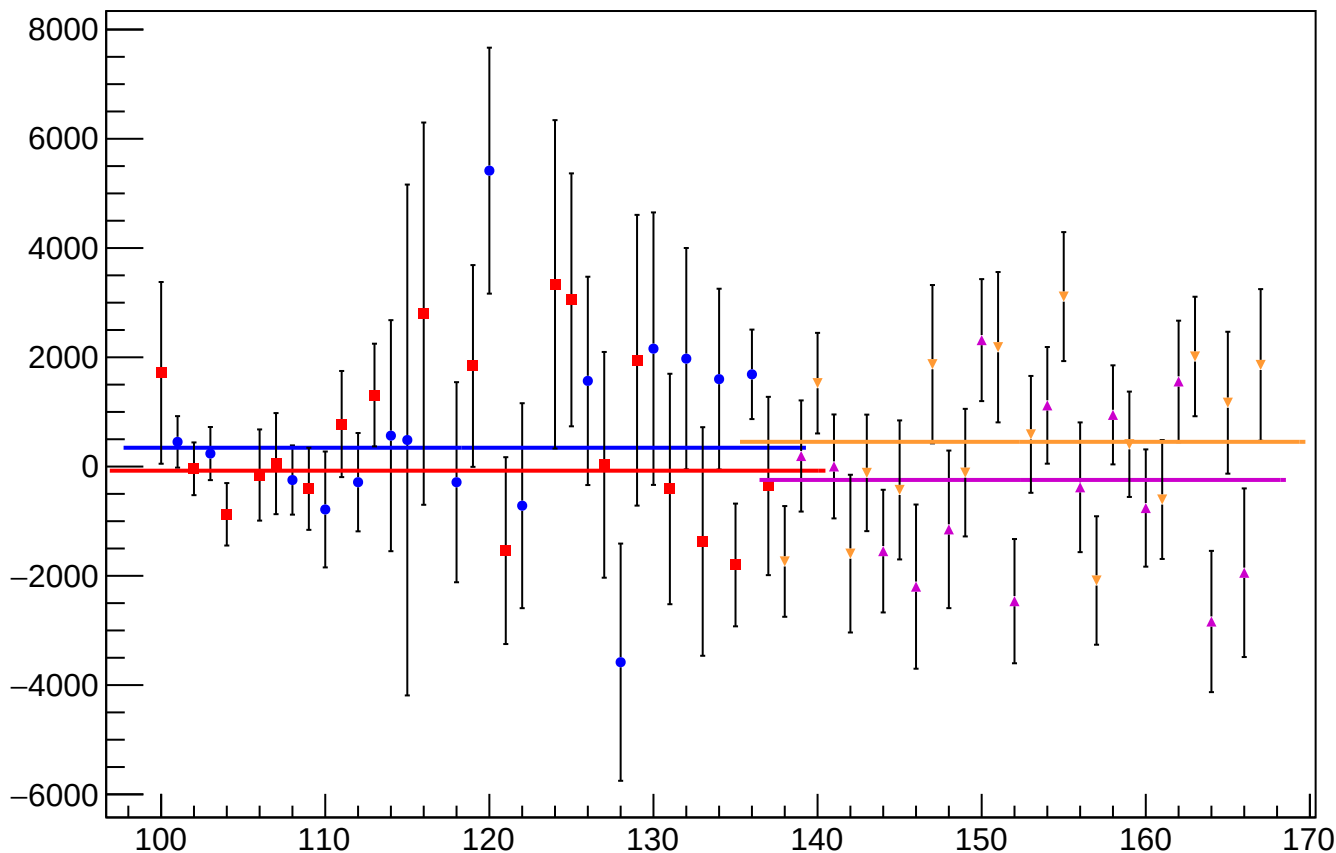
Left In: 166.801 $\pm$ 0.035 χ^2 /NDF:182130.9/13

+ sign 141.592 $\pm$ 0.023 χ^2 /NDF: 1536822.5/31

All: 139.748 $\pm$ 0.016 χ^2 /NDF: 3720615.3/64

- sign 137.886 $\pm$ 0.023 χ^2 /NDF: 2170852.9/32

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436 ± 241.531 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 452.825 ± 288.078 $\chi^2/\text{NDF}: 25.6/15$

Right Out: -75.435 ± 240.479 $\chi^2/\text{NDF}: 15.3/18$

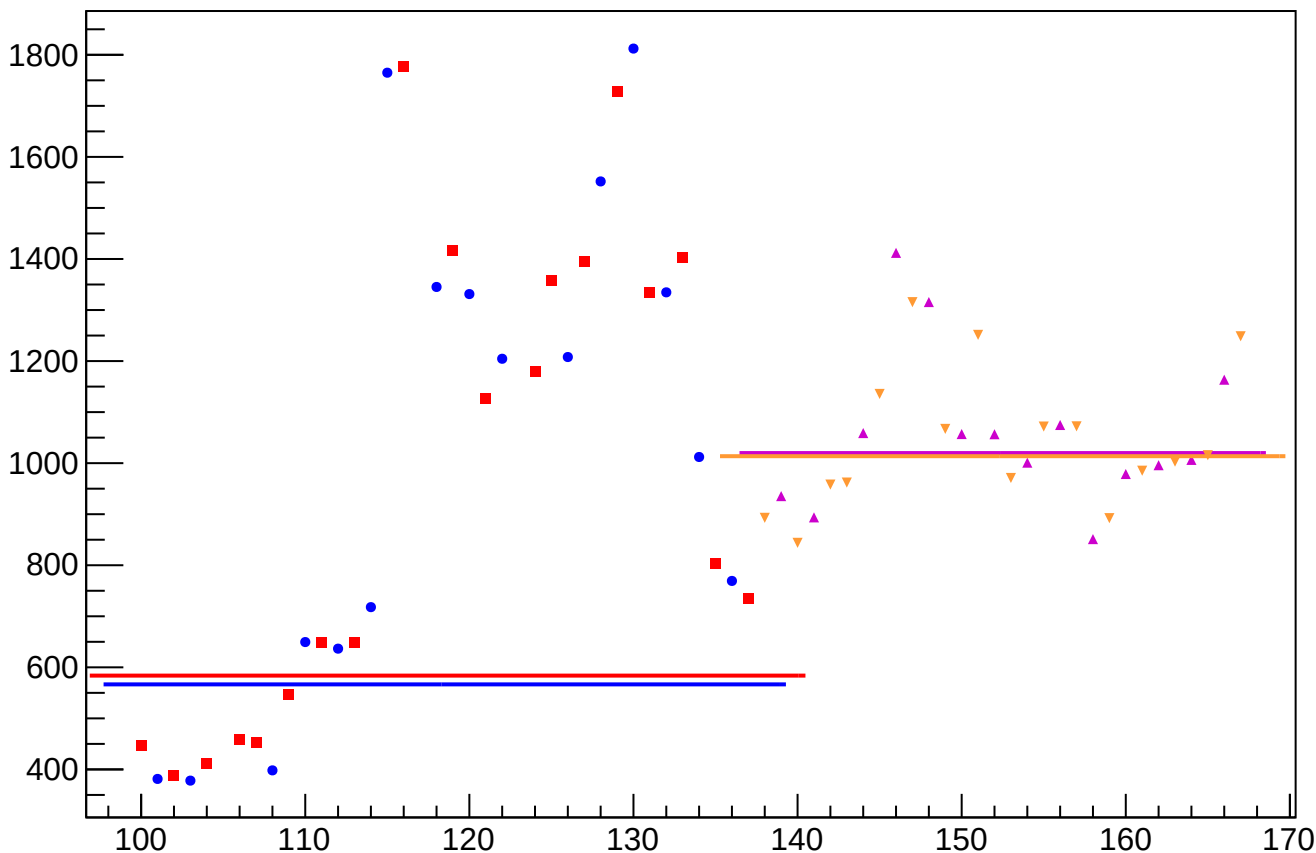
Left In: -244.792 ± 303.433 $\chi^2/\text{NDF}: 24.2/13$

+ sign 389.178 ± 185.085 $\chi^2/\text{NDF}: 42.0/31$

All: 129.001 ± 132.055 $\chi^2/\text{NDF}: 85.6/64$

- sign -140.771 ± 188.467 $\chi^2/\text{NDF}: 39.7/32$

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603 $\pm$ 0.171 χ^2 /NDF: 3432444.7/15

Left Out: 1013.642 $\pm$ 0.204 χ^2 /NDF: 376484.8/15

Right Out: 583.794 $\pm$ 0.170 χ^2 /NDF: 3107513.8/18

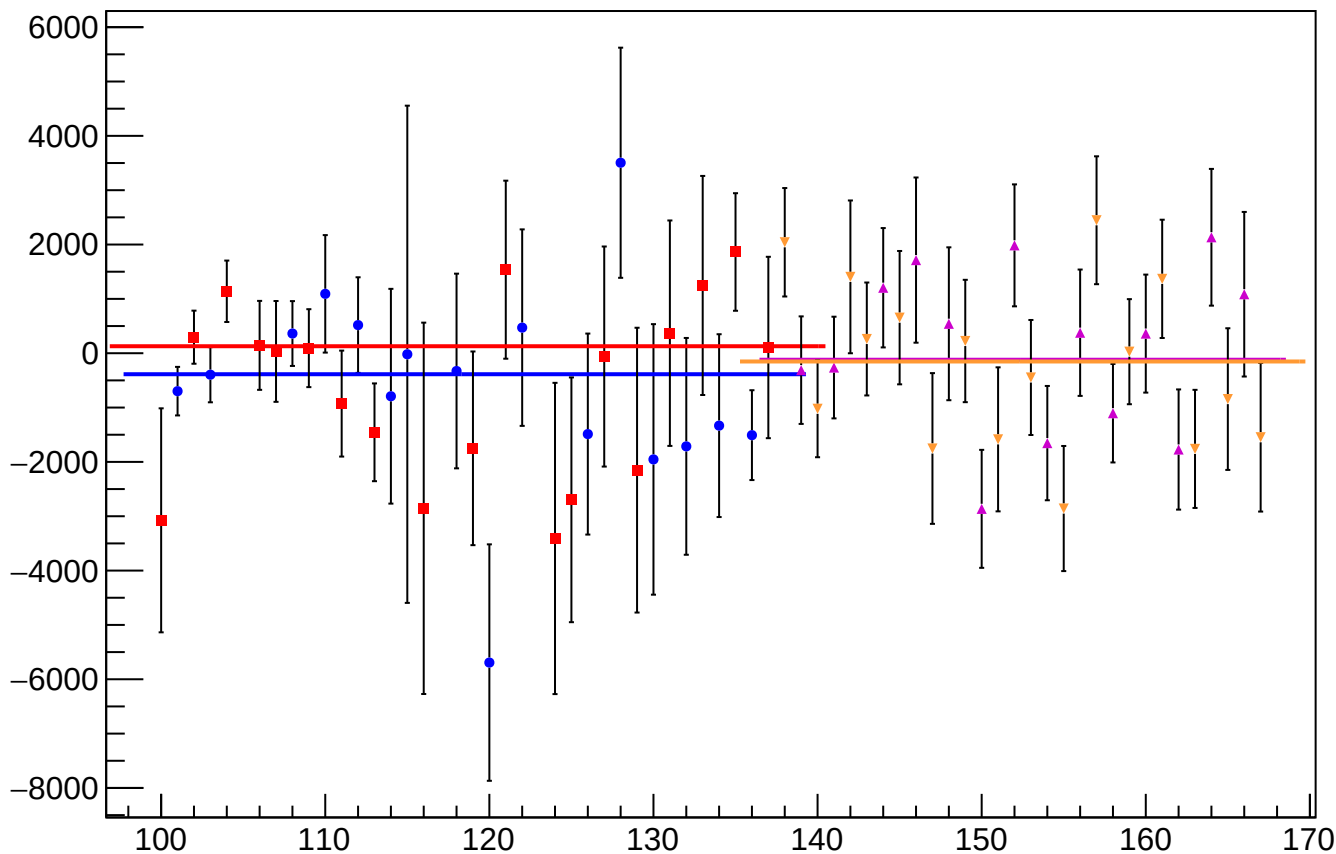
Left In: 1019.772 $\pm$ 0.215 χ^2 /NDF: 371427.4/13

+ sign 751.134 $\pm$ 0.131 χ^2 /NDF: 6637053.1/31

All: 751.553 $\pm$ 0.093 χ^2 /NDF: 12652043.0/64

- sign 751.989 $\pm$ 0.133 χ^2 /NDF: 6014968.9/32

asym_sam6_mean vs Slug



Right In: -386.522 ± 237.525 χ^2/NDF : 17.9/15

Left Out: -152.143 ± 282.960 χ^2/NDF : 26.2/15

Right Out: 128.583 ± 238.241 χ^2/NDF : 19.4/18

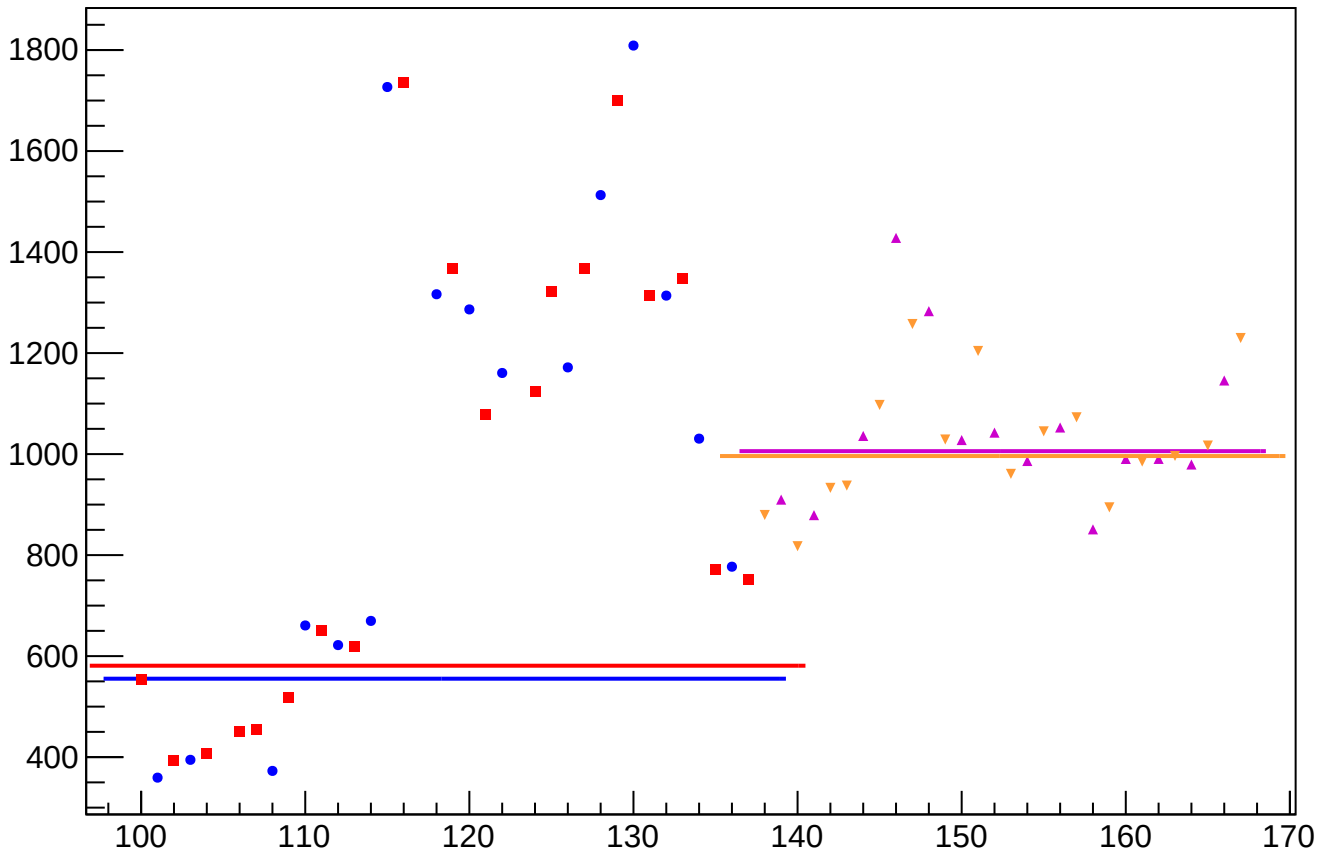
Left In: -119.975 ± 299.230 χ^2/NDF : 22.9/13

+ sign -289.638 ± 181.925 χ^2/NDF : 44.5/31

All: -132.637 ± 130.187 χ^2/NDF : 88.7/64

- sign 32.151 ± 186.382 χ^2/NDF : 42.7/32

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF : 3482531.0/15

Left Out: 996.133+/-0.200 χ^2/NDF : 349028.8/15

Right Out: 580.996+/-0.168 χ^2/NDF : 2983560.8/18

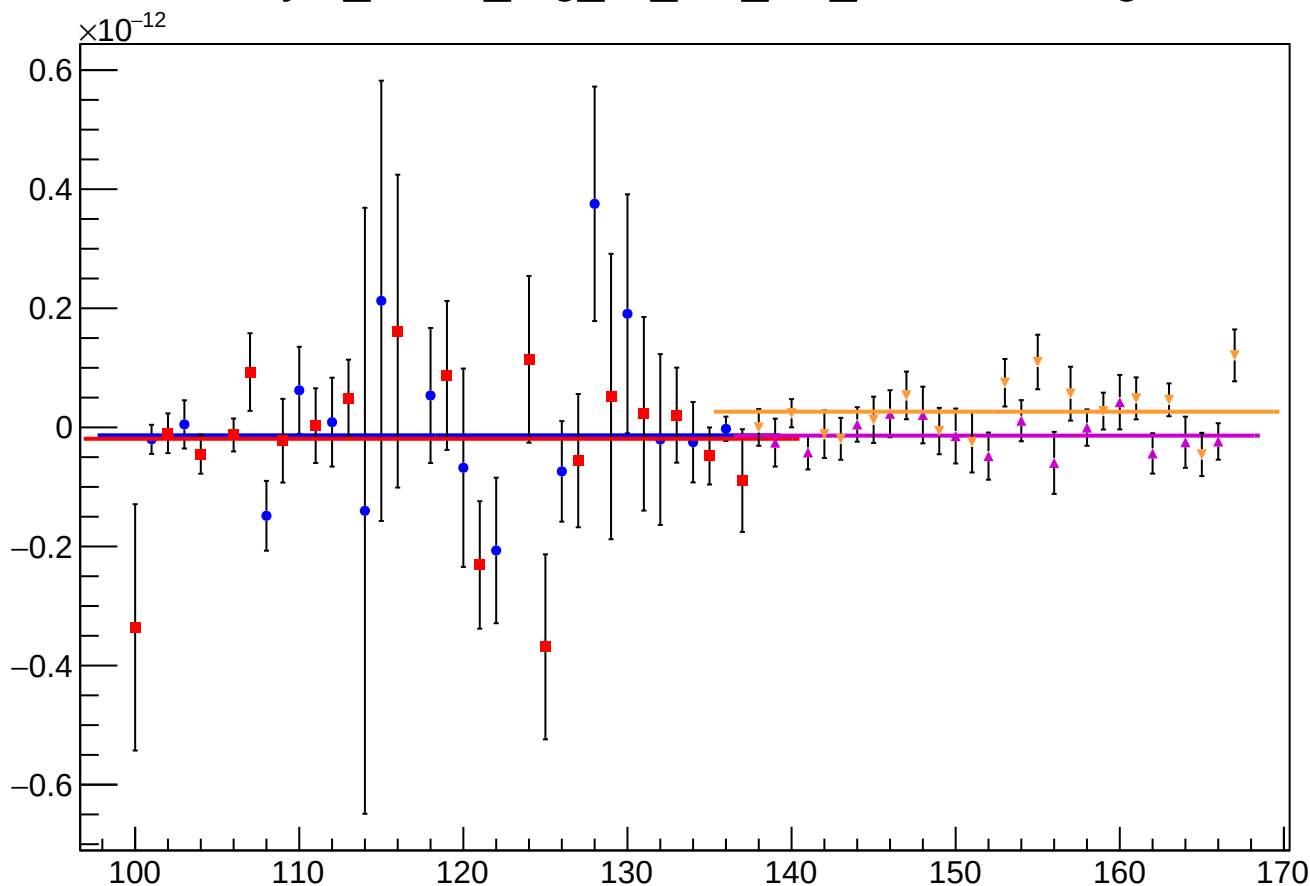
Left In: 1005.835+/-0.212 χ^2/NDF : 372950.9/13

+ sign 737.521+/-0.129 χ^2/NDF : 6679377.1/31

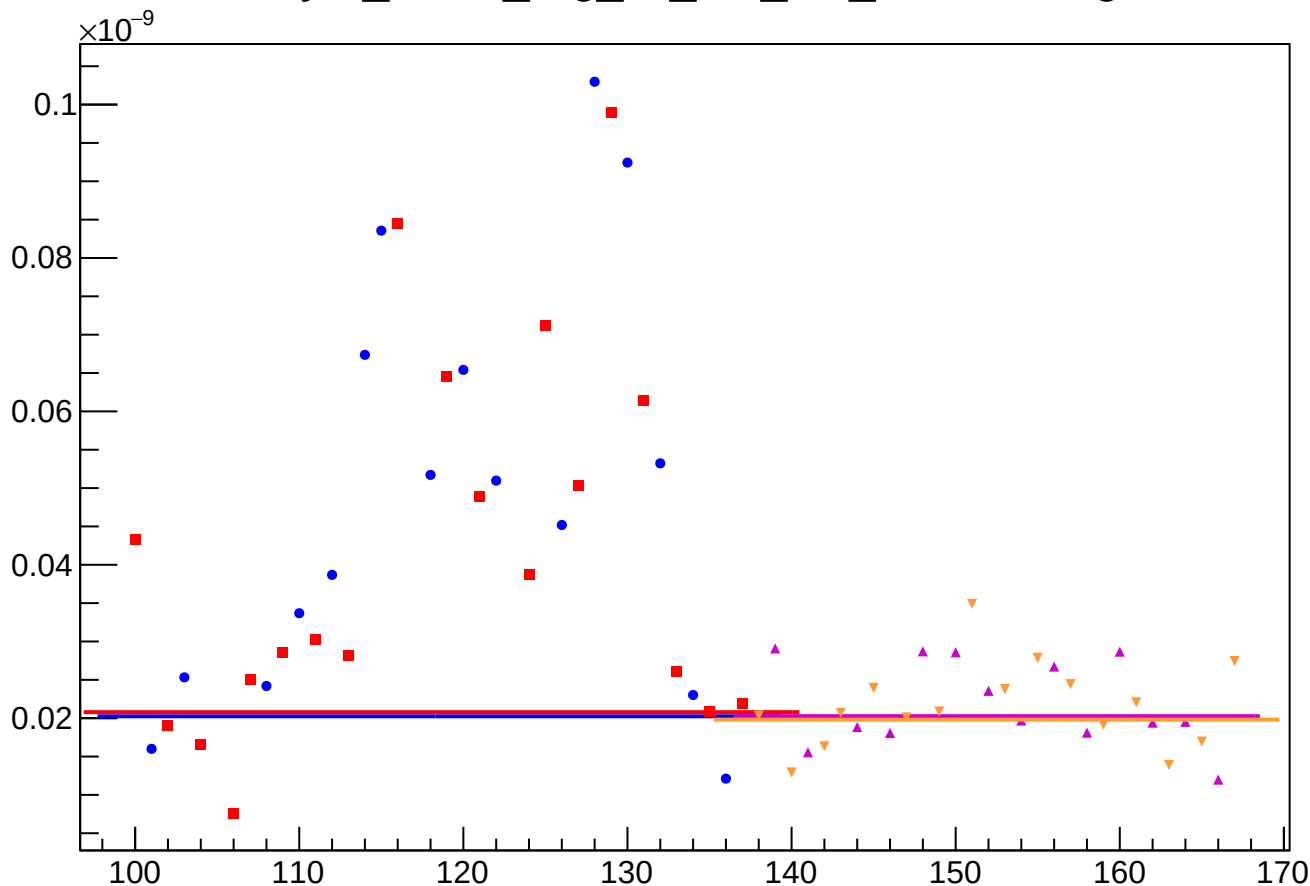
All: 741.570+/-0.092 χ^2/NDF : 12505341.0/64

- sign 745.820+/-0.132 χ^2/NDF : 5823933.3/32

asym_sam6_reg_vs_cor_diff_mean vs Slug



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 : 661009.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1855885.9/18

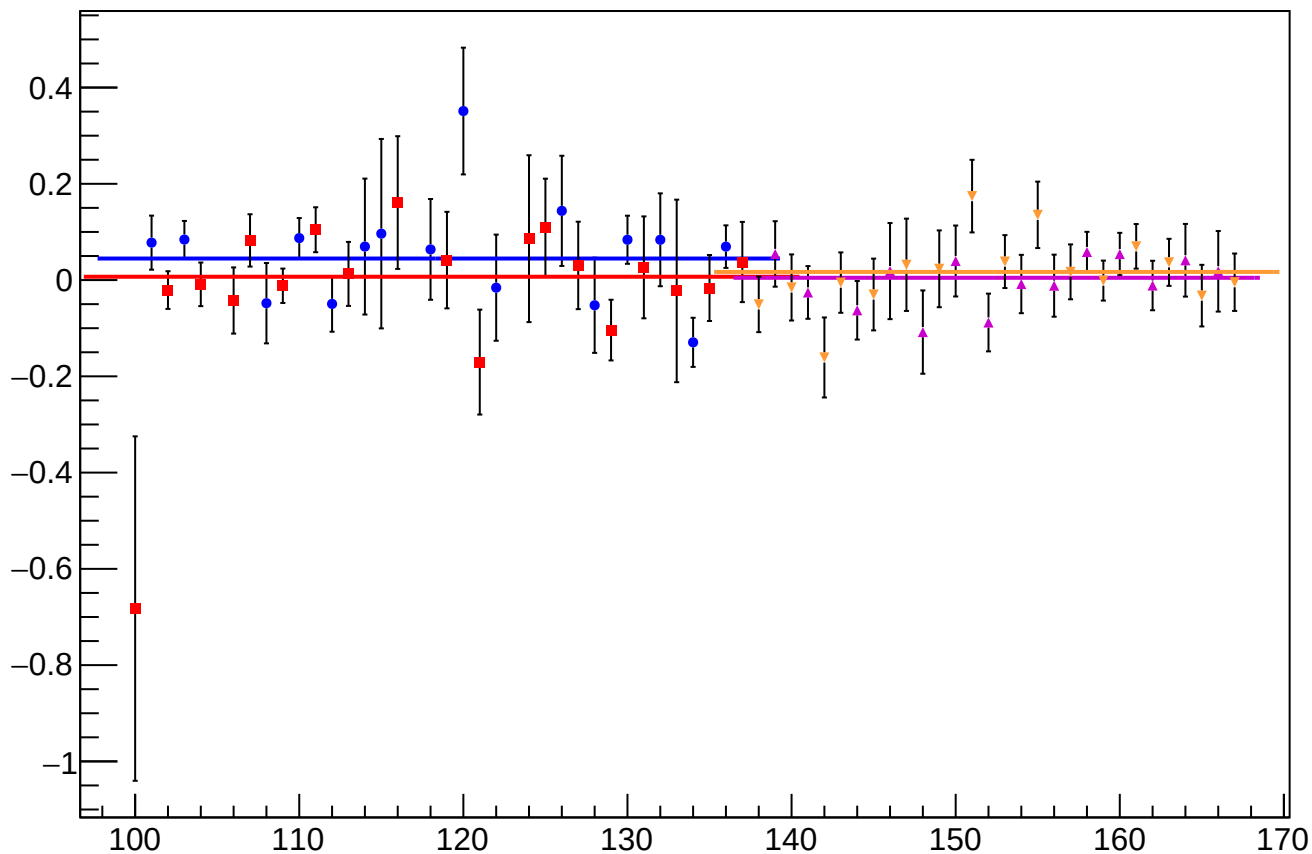
Left In: 0.000+/-0.000 χ^2/NDF : 561386.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 2667241.1/31

All: 0.000+/-0.000 χ^2/NDF : 5090474.3/64

- sign 0.000+/-0.000 χ^2/NDF : 2419172.2/32

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 χ^2/NDF : 26.6/15

Left Out: 0.017 ± 0.015 χ^2/NDF : 16.6/15

Right Out: 0.007 ± 0.015 χ^2/NDF : 20.2/18

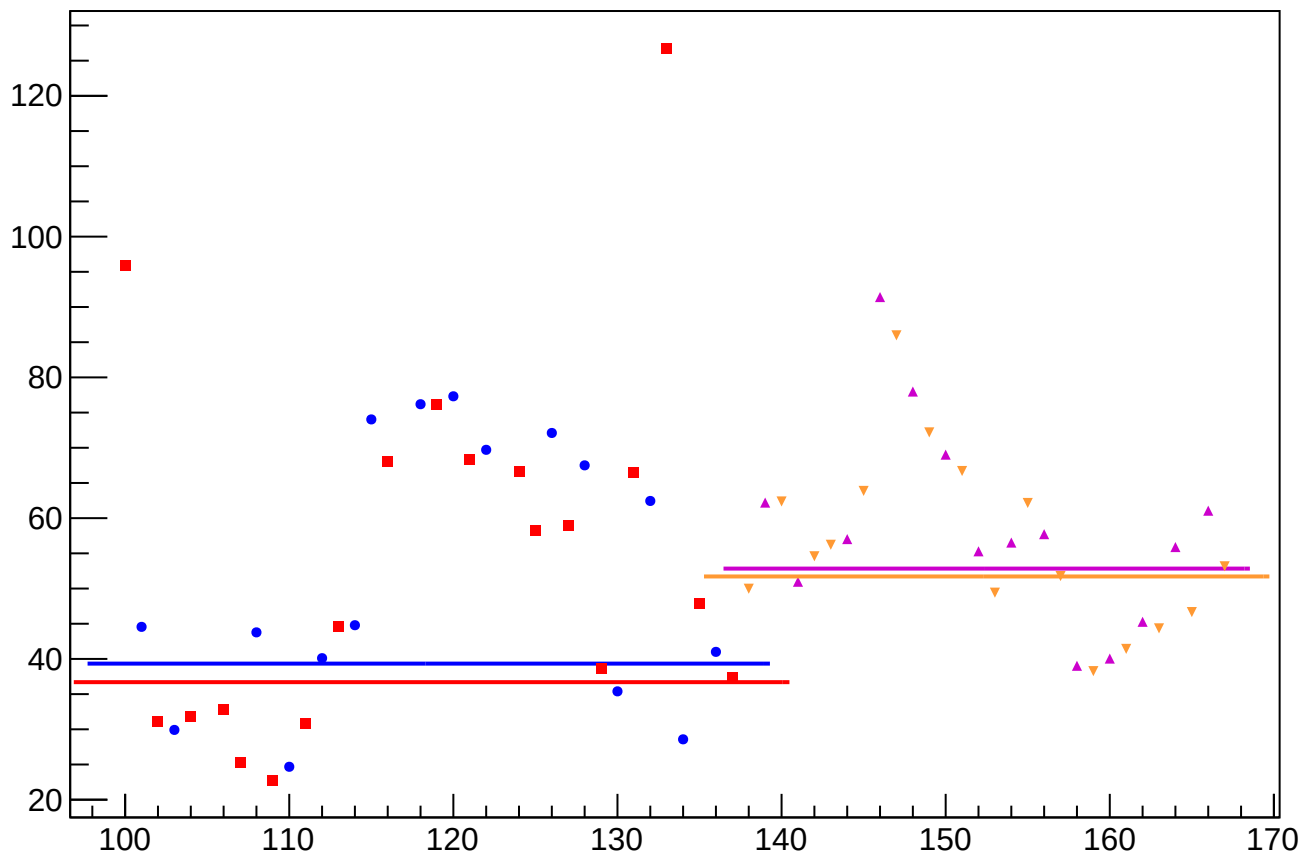
Left In: 0.005 ± 0.016 χ^2/NDF : 9.8/13

+ sign 0.030 ± 0.011 χ^2/NDF : 44.8/31

All: 0.018 ± 0.008 χ^2/NDF : 77.1/64

- sign 0.006 ± 0.011 χ^2/NDF : 29.9/32

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF : 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF : 998530.4/15

Right Out: 36.700+/-0.011 χ^2/NDF : 2096756.0/18

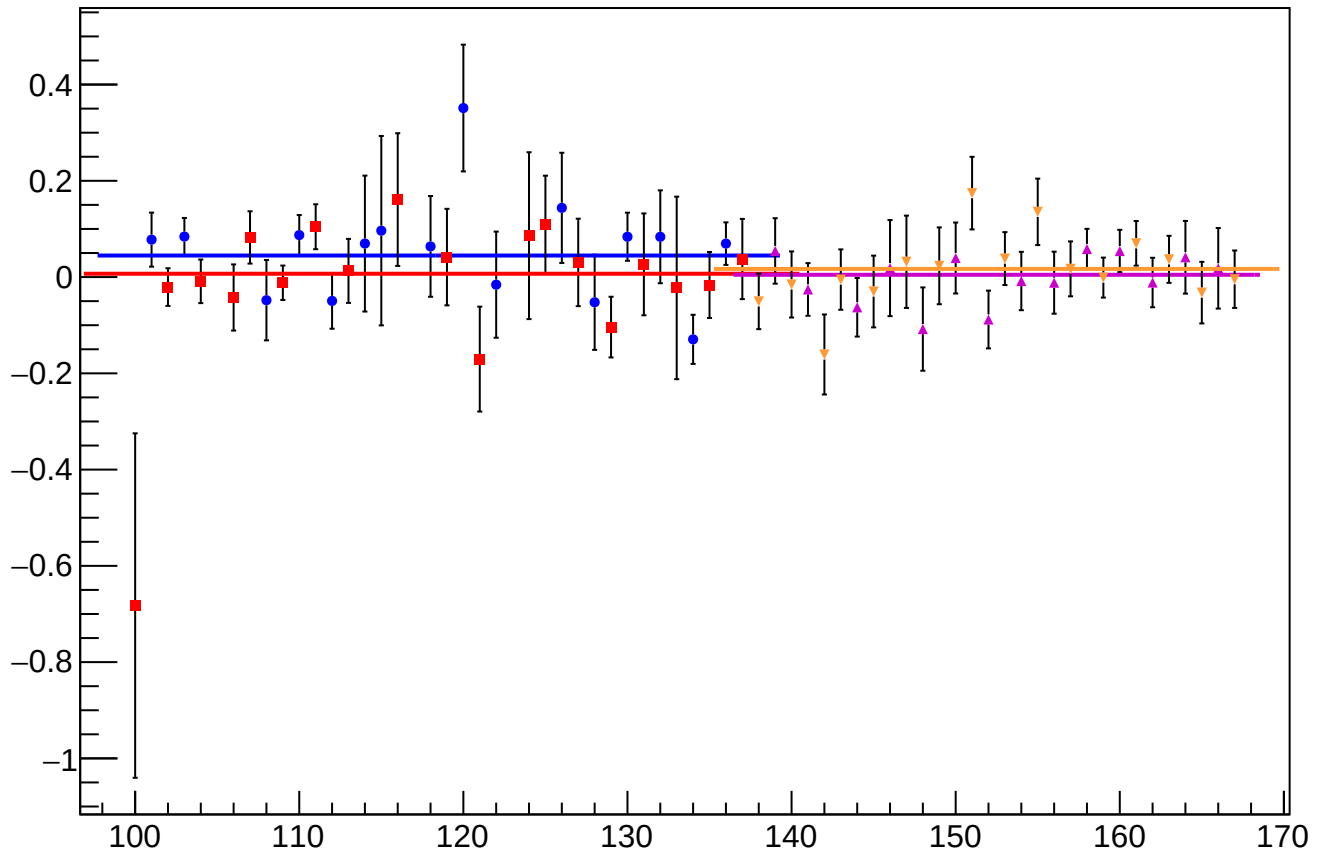
Left In: 52.834+/-0.011 χ^2/NDF : 1087893.9/13

+ sign 45.881+/-0.008 χ^2/NDF : 3196589.5/31

All: 45.048+/-0.006 χ^2/NDF : 7465299.2/64

- sign 44.207+/-0.008 χ^2/NDF : 4245667.5/32

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 $\chi^2/\text{NDF}: 26.6/15$

Left Out: 0.017 ± 0.015 $\chi^2/\text{NDF}: 16.6/15$

Right Out: 0.007 ± 0.015 $\chi^2/\text{NDF}: 20.2/18$

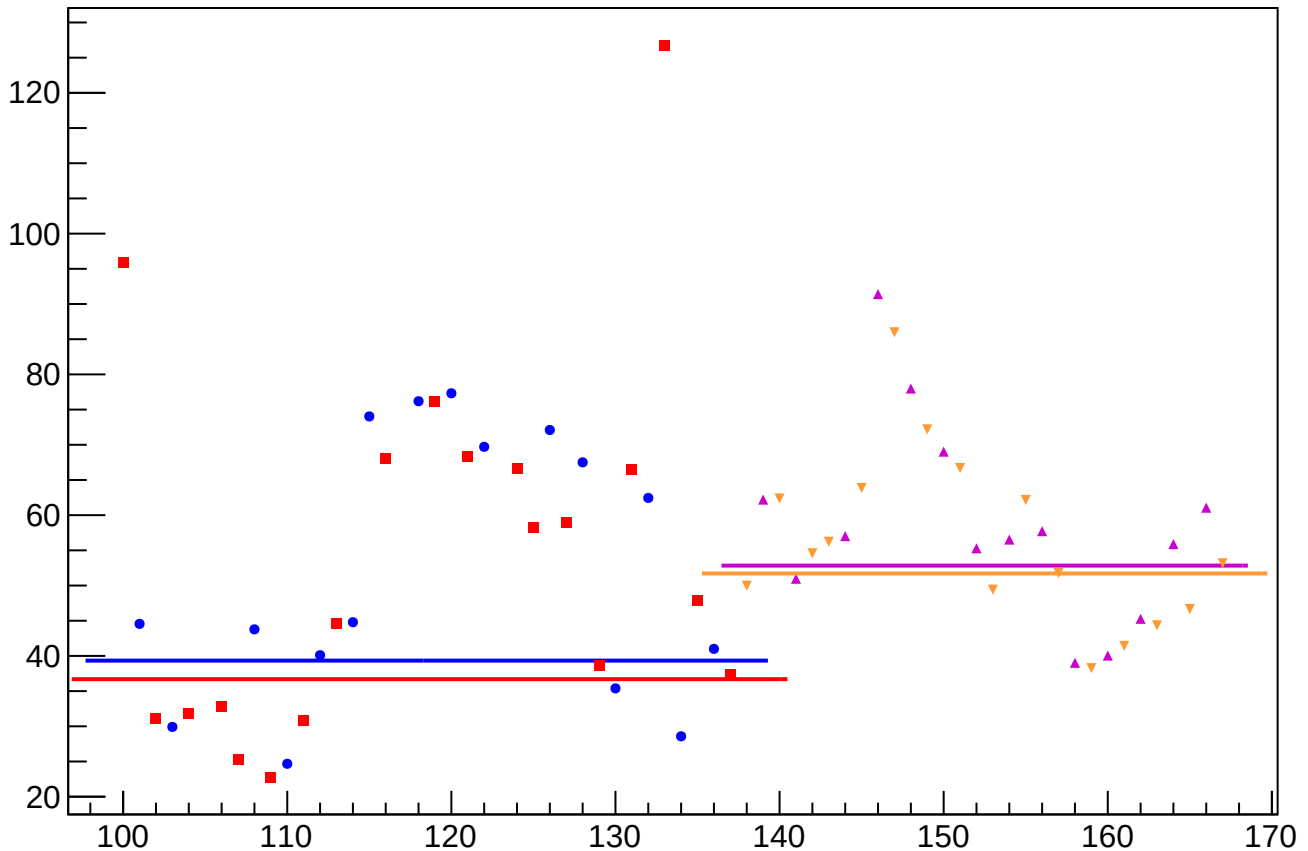
Left In: 0.005 ± 0.016 $\chi^2/\text{NDF}: 9.8/13$

+ sign 0.030 ± 0.011 $\chi^2/\text{NDF}: 44.8/31$

All: 0.018 ± 0.008 $\chi^2/\text{NDF}: 77.1/64$

- sign 0.006 ± 0.011 $\chi^2/\text{NDF}: 29.9/32$

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335 ± 0.011 $\chi^2/\text{NDF}: 1566525.1/15$

Left Out: 51.717 ± 0.011 $\chi^2/\text{NDF}: 998530.4/15$

Right Out: 36.700 ± 0.011 $\chi^2/\text{NDF}: 2096756.0/18$

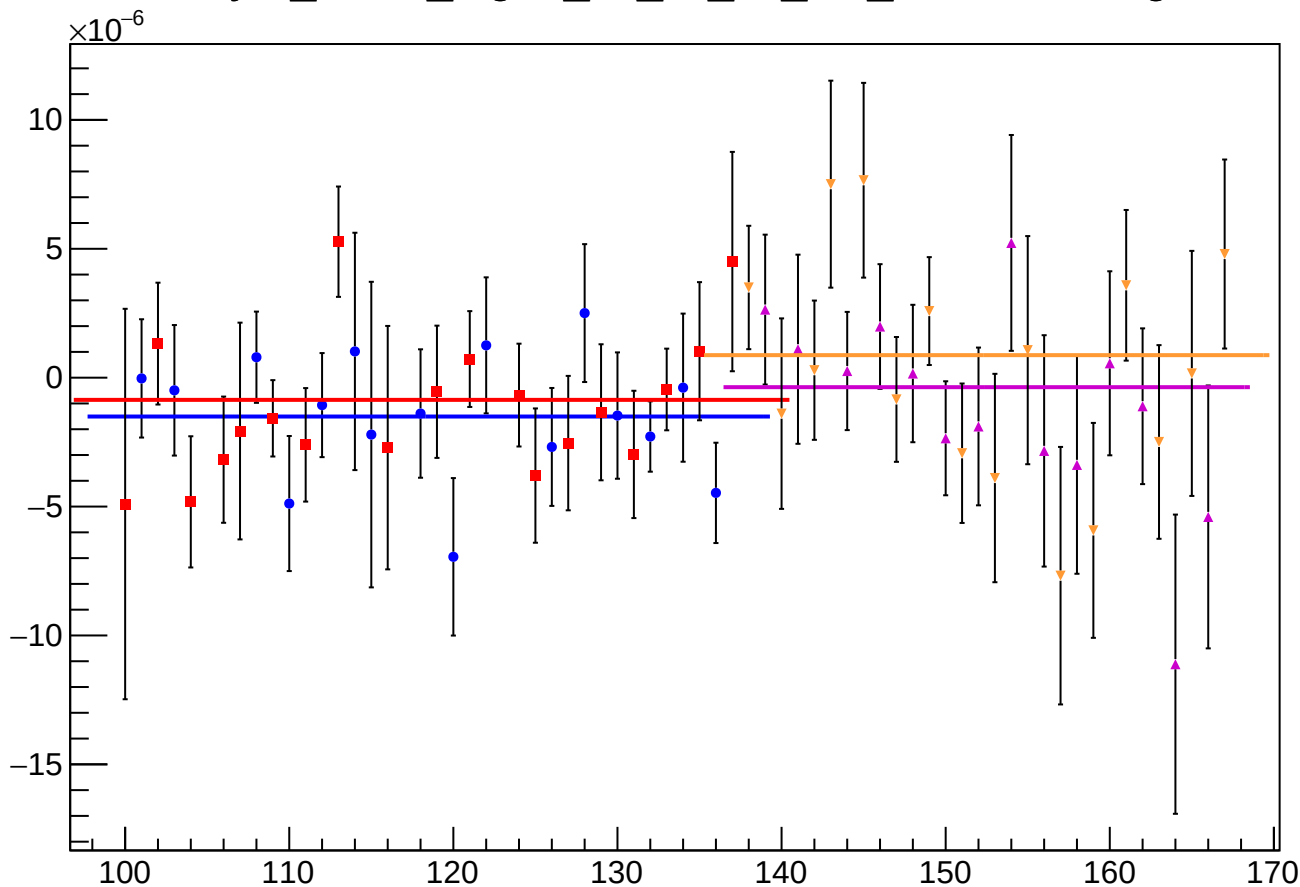
Left In: 52.834 ± 0.011 $\chi^2/\text{NDF}: 1087893.9/13$

+ sign 45.881 ± 0.008 $\chi^2/\text{NDF}: 3196589.5/31$

All: 45.048 ± 0.006 $\chi^2/\text{NDF}: 7465299.2/64$

- sign 44.207 ± 0.008 $\chi^2/\text{NDF}: 4245667.5/32$

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 : 20.5/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.1/18

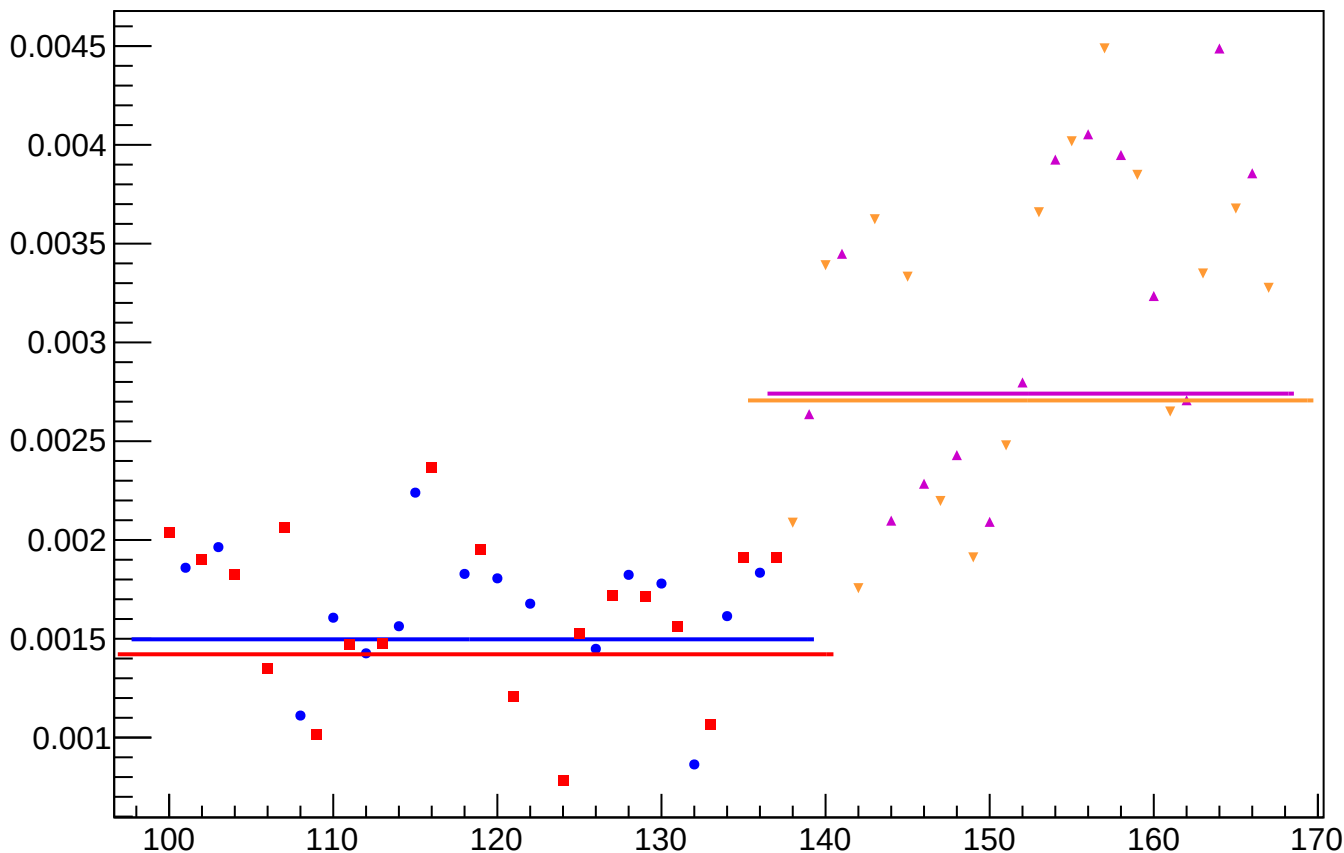
Left In: -0.000 ± 0.000 χ^2/NDF : 10.5/13

+ sign -0.000 ± 0.000 χ^2/NDF : 40.2/31

All: -0.000 ± 0.000 χ^2/NDF : 70.1/64

- sign -0.000 ± 0.000 χ^2/NDF : 29.8/32

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF :1882482.2/15

Right Out: 0.001+/-0.000 χ^2/NDF : 998047.4/18

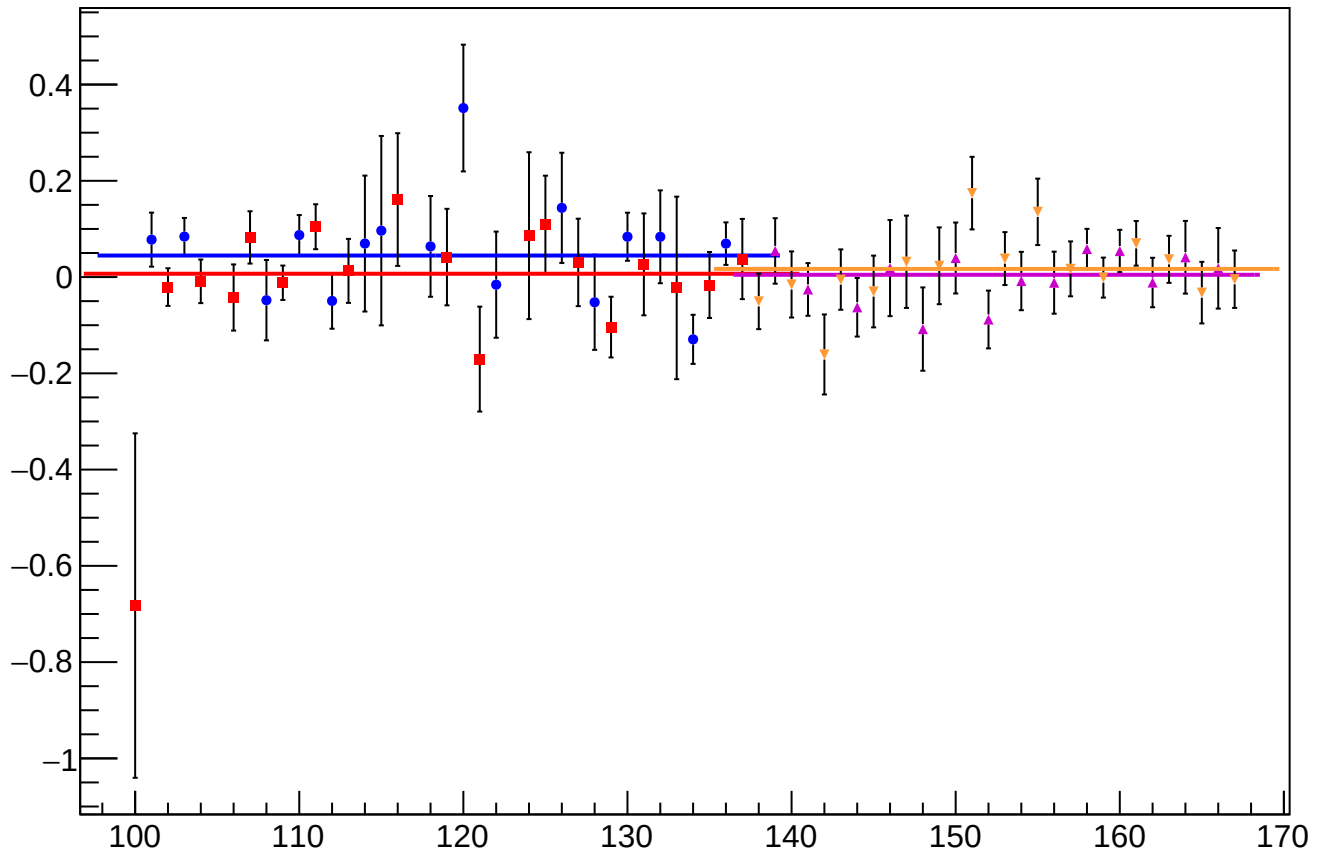
Left In: 0.003+/-0.000 χ^2/NDF :1315713.6/13

+ sign 0.002+/-0.000 χ^2/NDF : 5749959.2/31

All: 0.002+/-0.000 χ^2/NDF : 11605814.1/64

- sign 0.002+/-0.000 χ^2/NDF : 5805661.3/32

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 $\chi^2/\text{NDF}: 26.6/15$

Left Out: 0.017 ± 0.015 $\chi^2/\text{NDF}: 16.6/15$

Right Out: 0.007 ± 0.015 $\chi^2/\text{NDF}: 20.2/18$

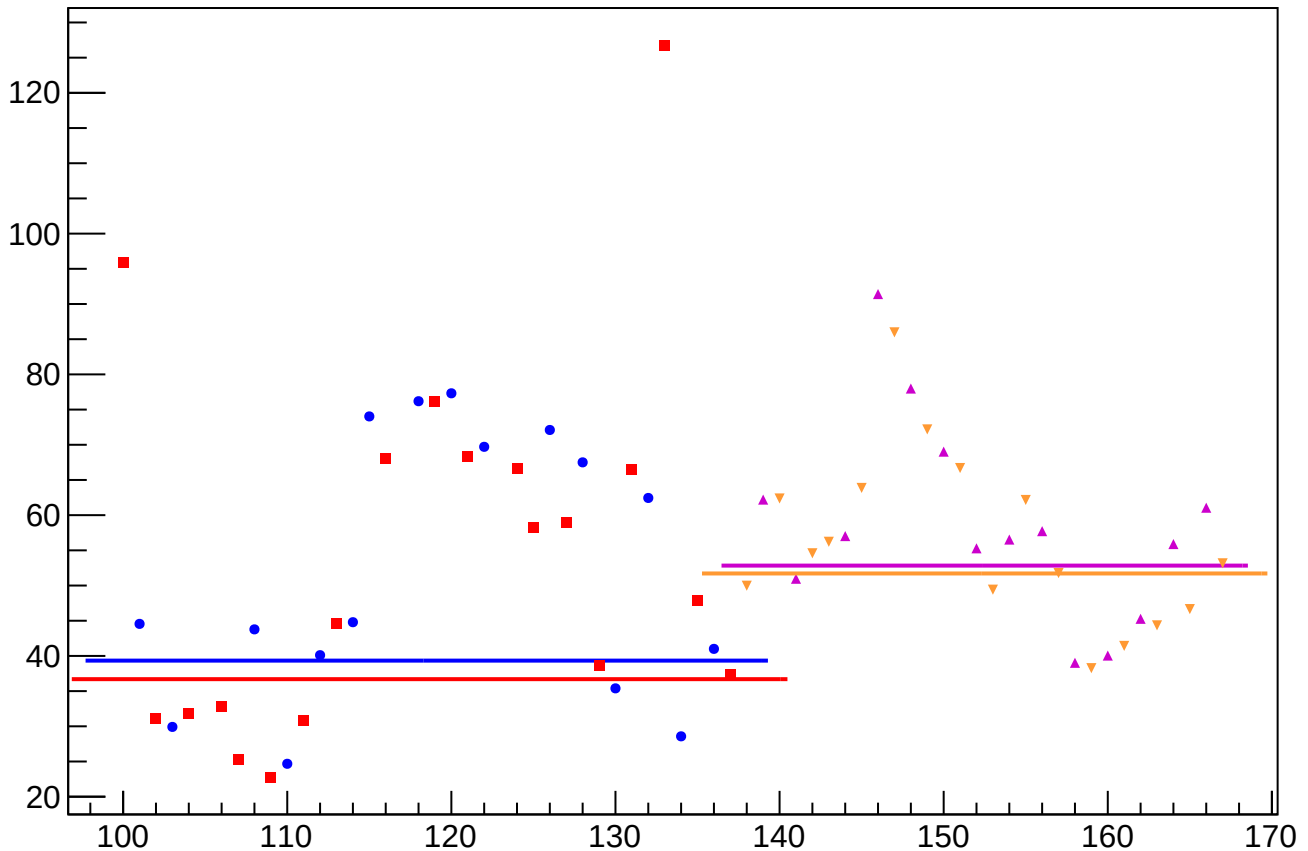
Left In: 0.005 ± 0.016 $\chi^2/\text{NDF}: 9.8/13$

+ sign 0.030 ± 0.011 $\chi^2/\text{NDF}: 44.8/31$

All: 0.018 ± 0.008 $\chi^2/\text{NDF}: 77.1/64$

- sign 0.006 ± 0.011 $\chi^2/\text{NDF}: 29.9/32$

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: 51.715 $\pm$ 0.011 χ^2 /NDF:998602.8/15

Right Out: 36.699 $\pm$ 0.011 χ^2 /NDF: 2096748.4/18

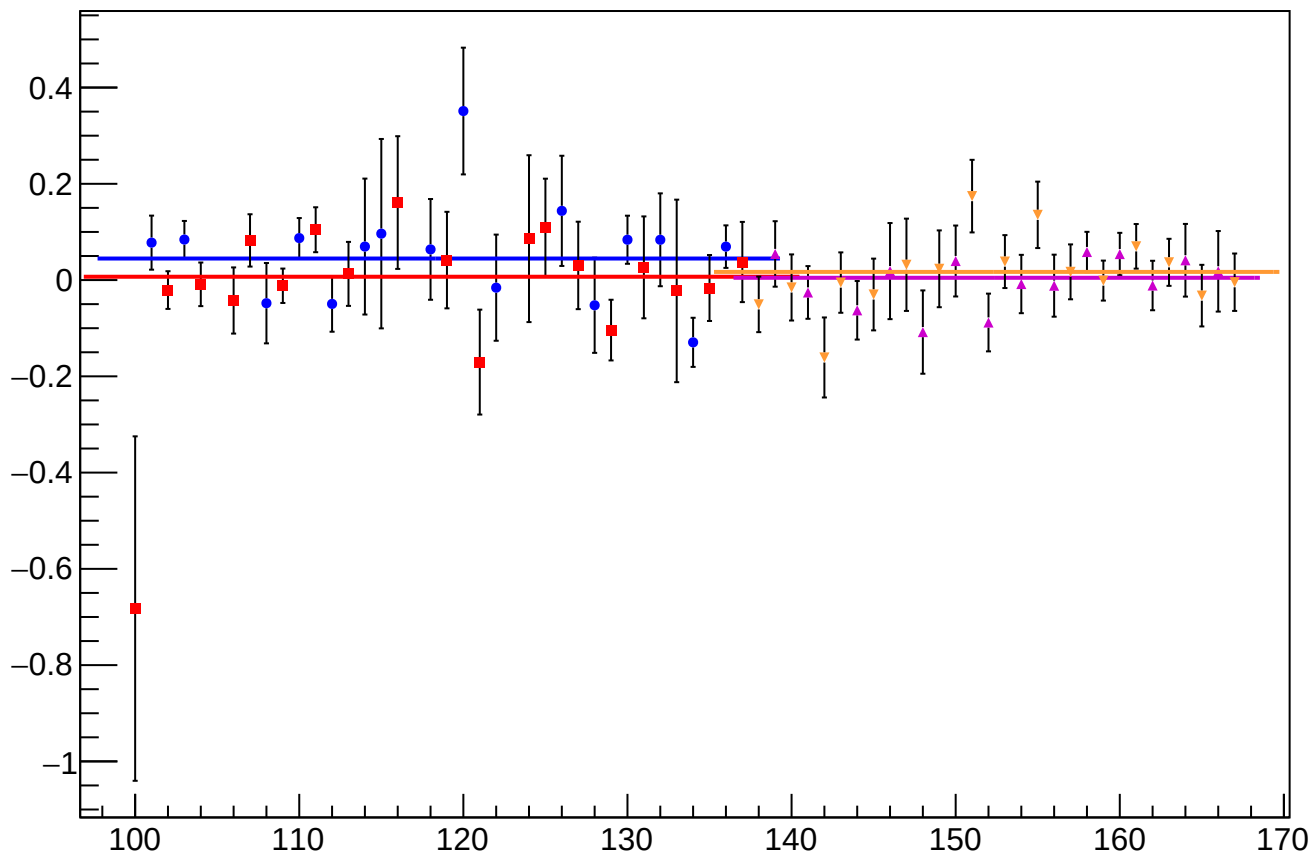
Left In: 52.833 $\pm$ 0.011 χ^2 /NDF:1088016.5/13

+ sign 45.880 $\pm$ 0.008 χ^2 /NDF: 3196643.7/31

All: 45.047 $\pm$ 0.006 χ^2 /NDF: 7465362.6/64

- sign 44.207 $\pm$ 0.008 χ^2 /NDF: 4245680.7/32

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: 0.017 $\pm$ 0.015 χ^2 /NDF:16.6/15

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

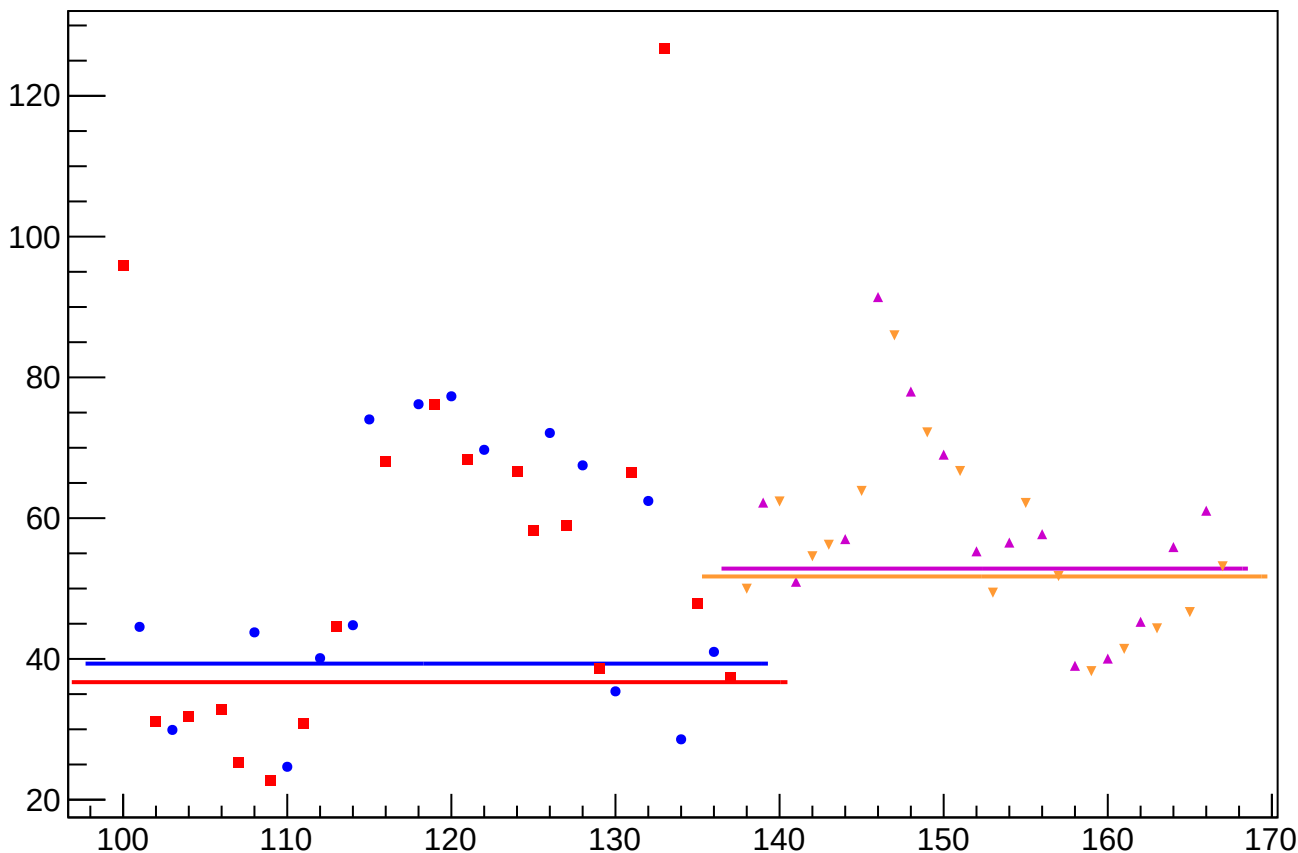
Left In: 0.005 $\pm$ 0.016 χ^2 /NDF:9.8/13

+ sign 0.030 $\pm$ 0.011 χ^2 /NDF: 44.8/31

All: 0.018 $\pm$ 0.008 χ^2 /NDF: 77.1/64

- sign 0.006 $\pm$ 0.011 χ^2 /NDF: 29.9/32

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: 51.715 $\pm$ 0.011 χ^2 /NDF: 998602.8/15

Right Out: 36.699 $\pm$ 0.011 χ^2 /NDF: 2096748.4/18

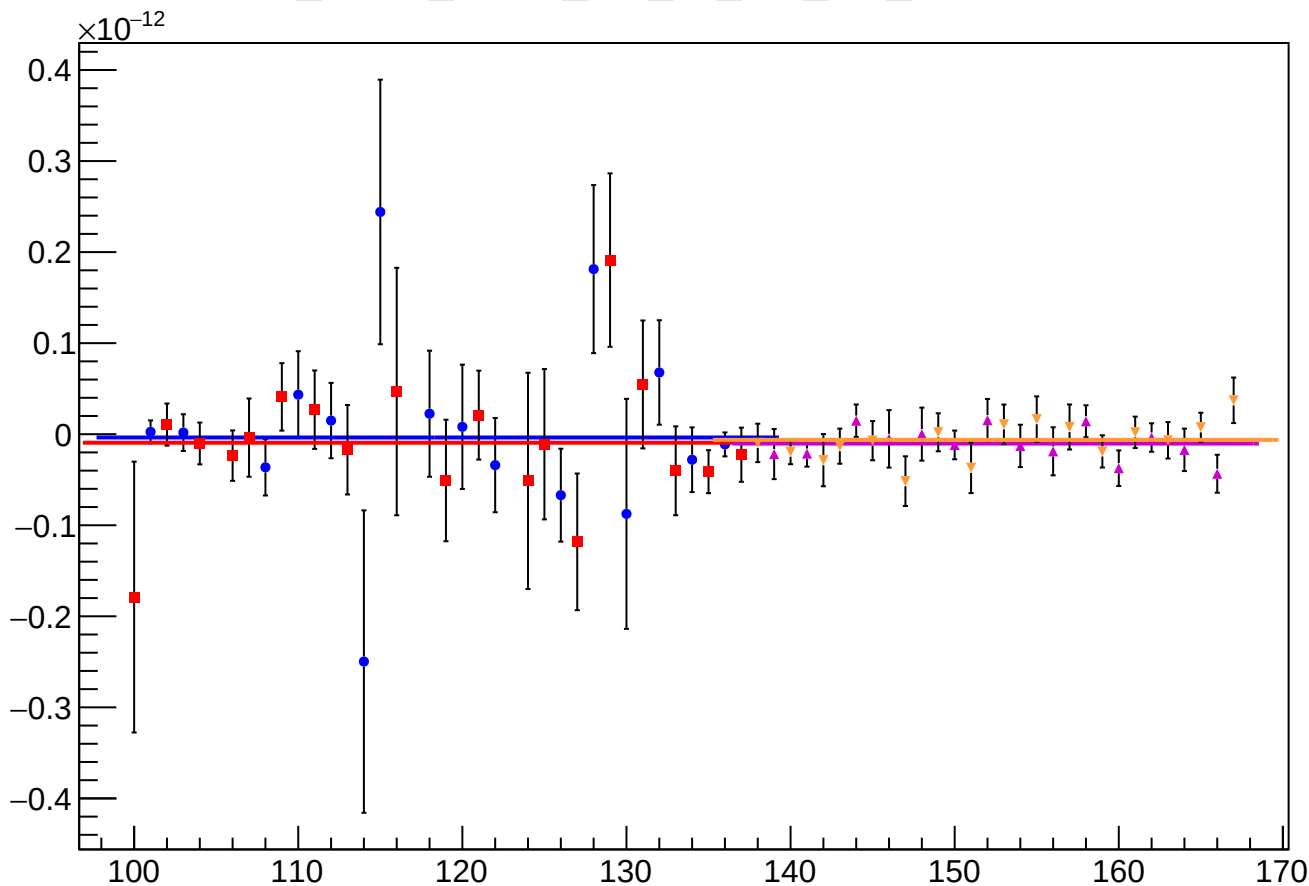
Left In: 52.833 $\pm$ 0.011 χ^2 /NDF: 1088016.5/13

+ sign 45.880 $\pm$ 0.008 χ^2 /NDF: 3196643.7/31

All: 45.047 $\pm$ 0.006 χ^2 /NDF: 7465362.6/64

- sign 44.207 $\pm$ 0.008 χ^2 /NDF: 4245680.7/32

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 : 12.0/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.7/18

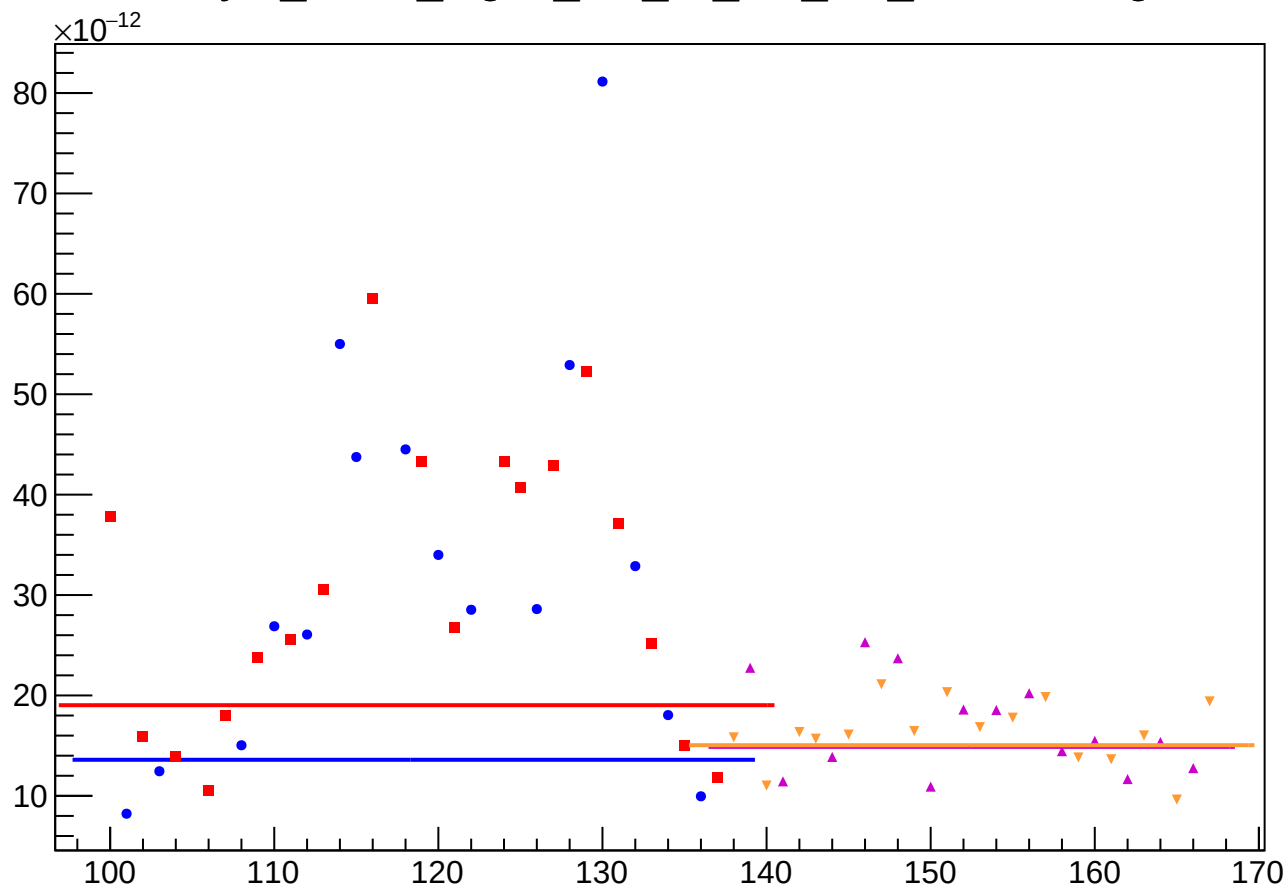
Left In: -0.000 ± 0.000 χ^2/NDF : 10.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 28.7/31

All: -0.000 ± 0.000 χ^2/NDF : 56.0/64

- sign -0.000 ± 0.000 χ^2/NDF : 26.7/32

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 : 795242.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2049385.6/18

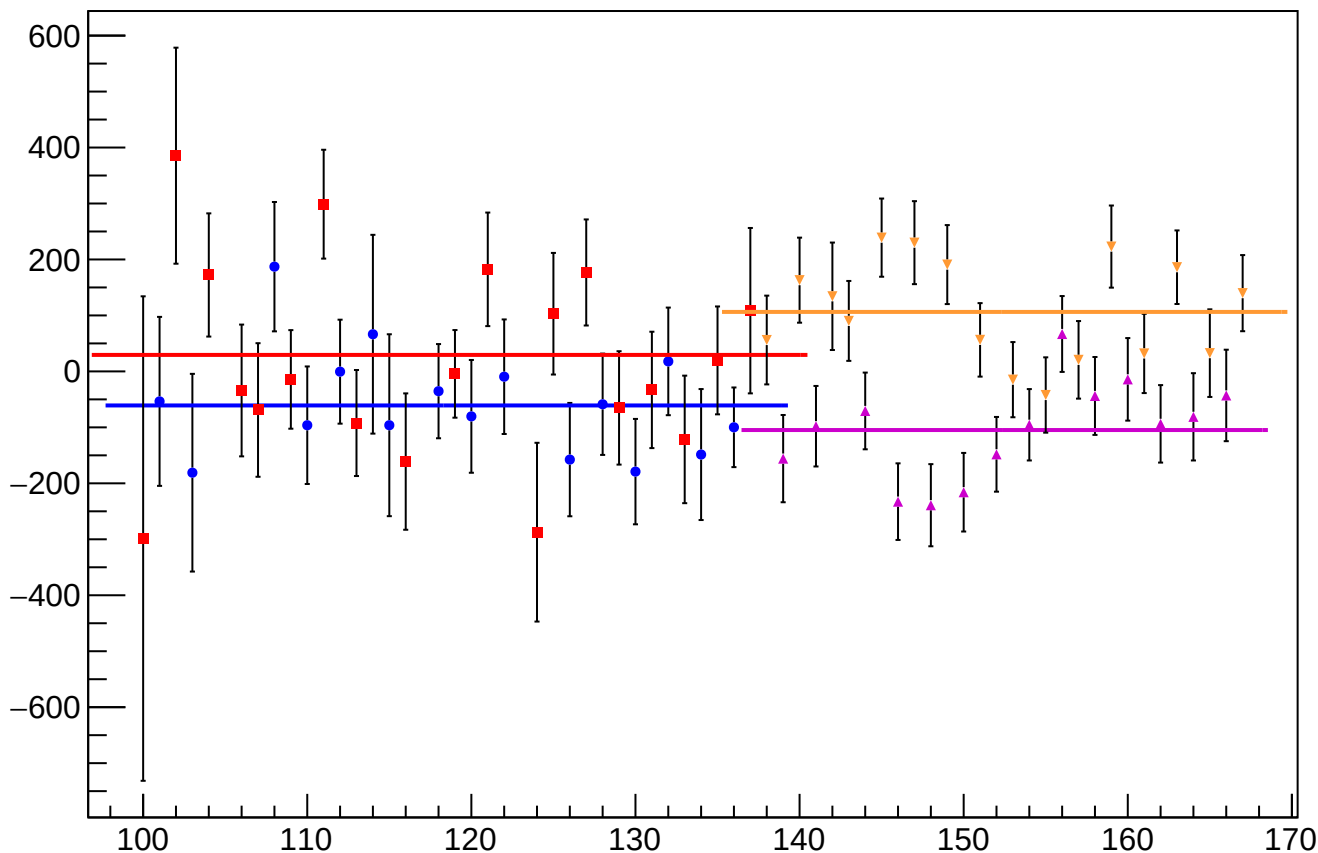
Left In: 0.000+/-0.000 χ^2/NDF : 1103889.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 4036185.6/31

All: 0.000+/-0.000 χ^2/NDF : 7598284.0/64

- sign 0.000+/-0.000 χ^2/NDF : 3462582.5/32

reg_asym_sam7_mean vs Slug



Right In: -60.846 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 106.279 ± 17.952 χ^2/NDF : 25.4/15

Right Out: 29.453 ± 25.105 χ^2/NDF : 31.2/18

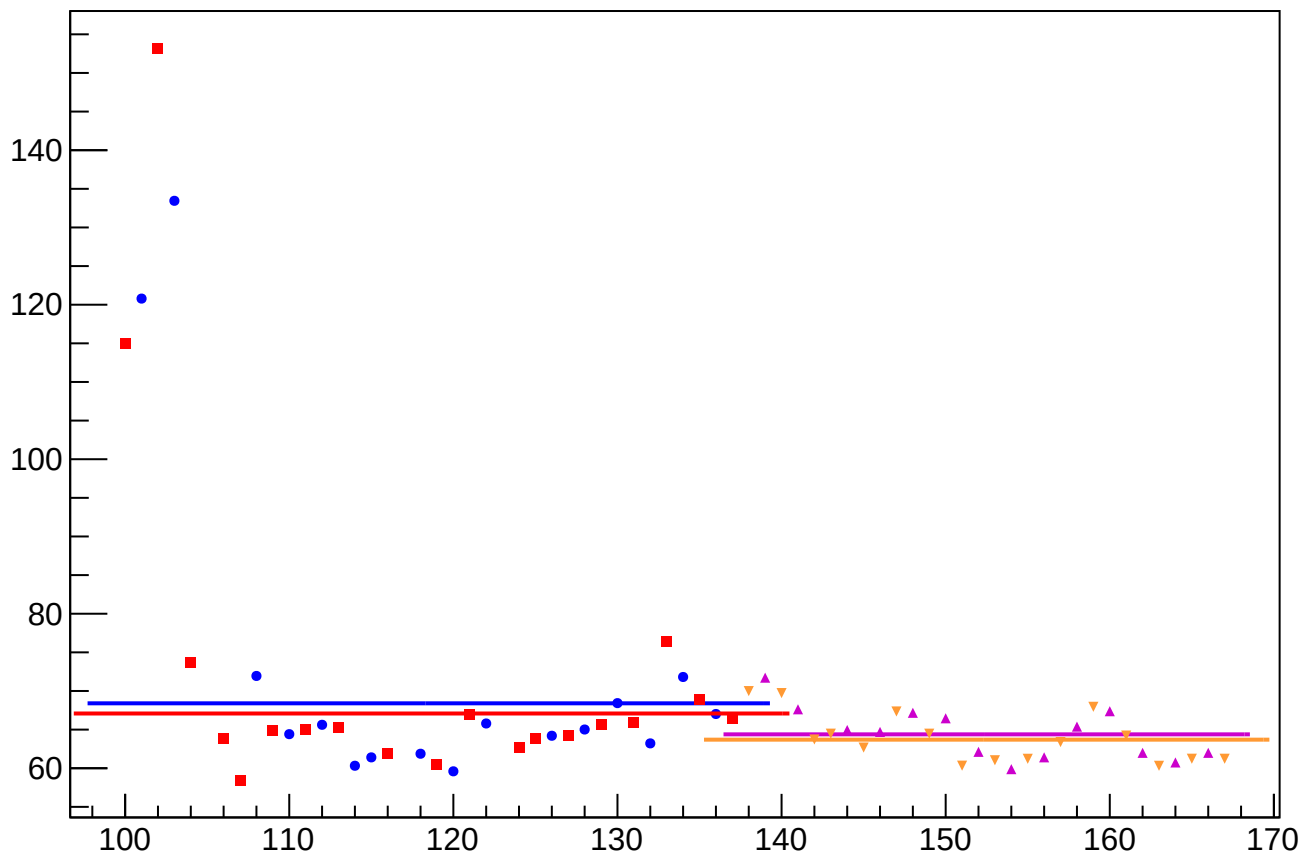
Left In: -104.782 ± 18.988 χ^2/NDF : 19.9/13

+ sign 52.474 ± 14.783 χ^2/NDF : 63.8/31

All: -0.421 ± 10.579 χ^2/NDF : 159.3/64

- sign -55.935 ± 15.144 χ^2/NDF : 69.2/32

reg_asym_sam7_rms vs Slug



Right In: 68.403 ± 0.018 χ^2/NDF : 569557.5/15

Left Out: 63.699 ± 0.013 χ^2/NDF : 58817.7/15

Right Out: 67.086 ± 0.018 χ^2/NDF : 481815.1/18

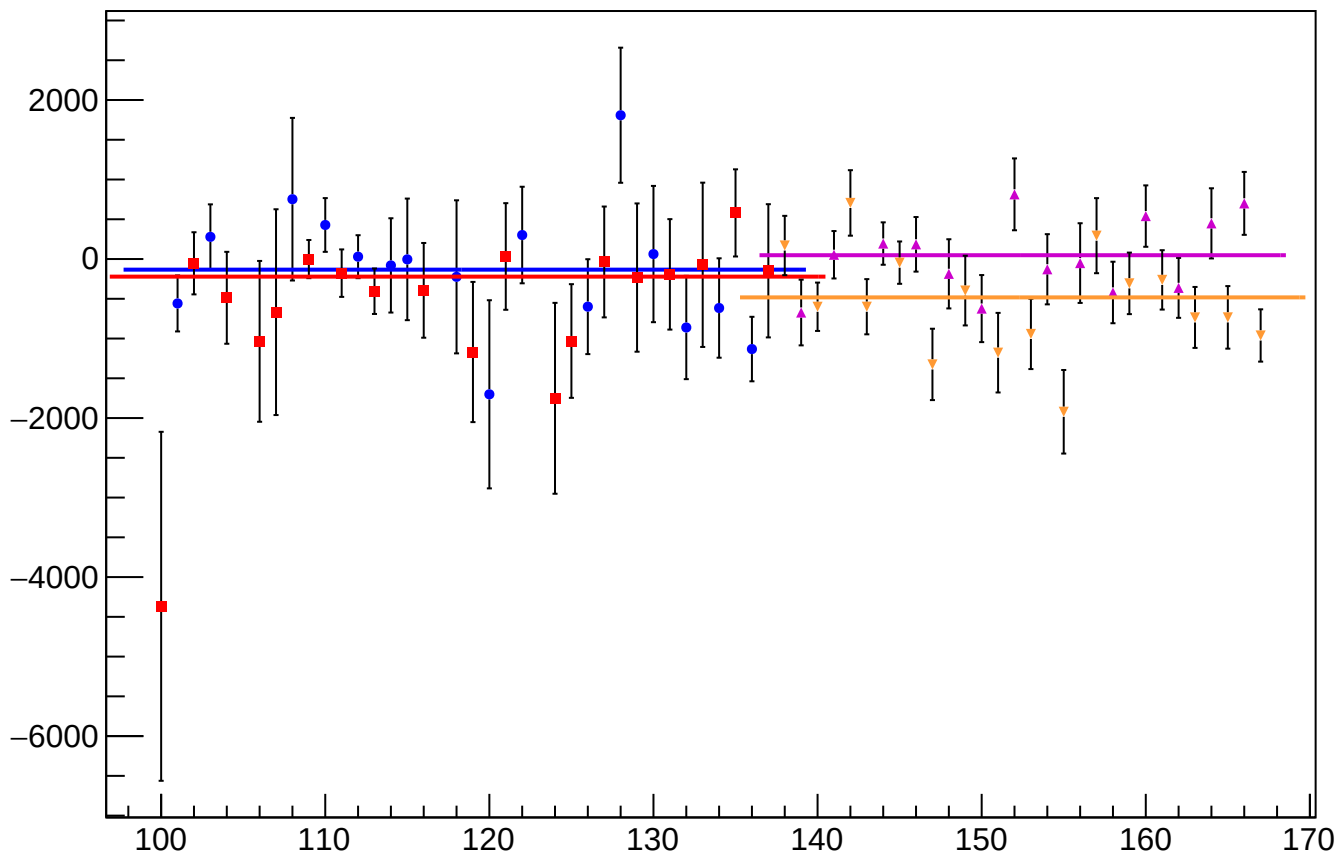
Left In: 64.387 ± 0.013 χ^2/NDF : 54889.2/13

+ sign 65.213 ± 0.010 χ^2/NDF : 672597.1/31

All: 65.289 ± 0.007 χ^2/NDF : 1224114.2/64

- sign 65.369 ± 0.011 χ^2/NDF : 551409.0/32

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590 $\pm$ 125.904 χ^2 /NDF: 22.5/15

Left Out: -482.424 $\pm$ 95.317 χ^2 /NDF:34.6/15

Right Out: -221.324 $\pm$ 117.783 χ^2 /NDF: 12.5/18

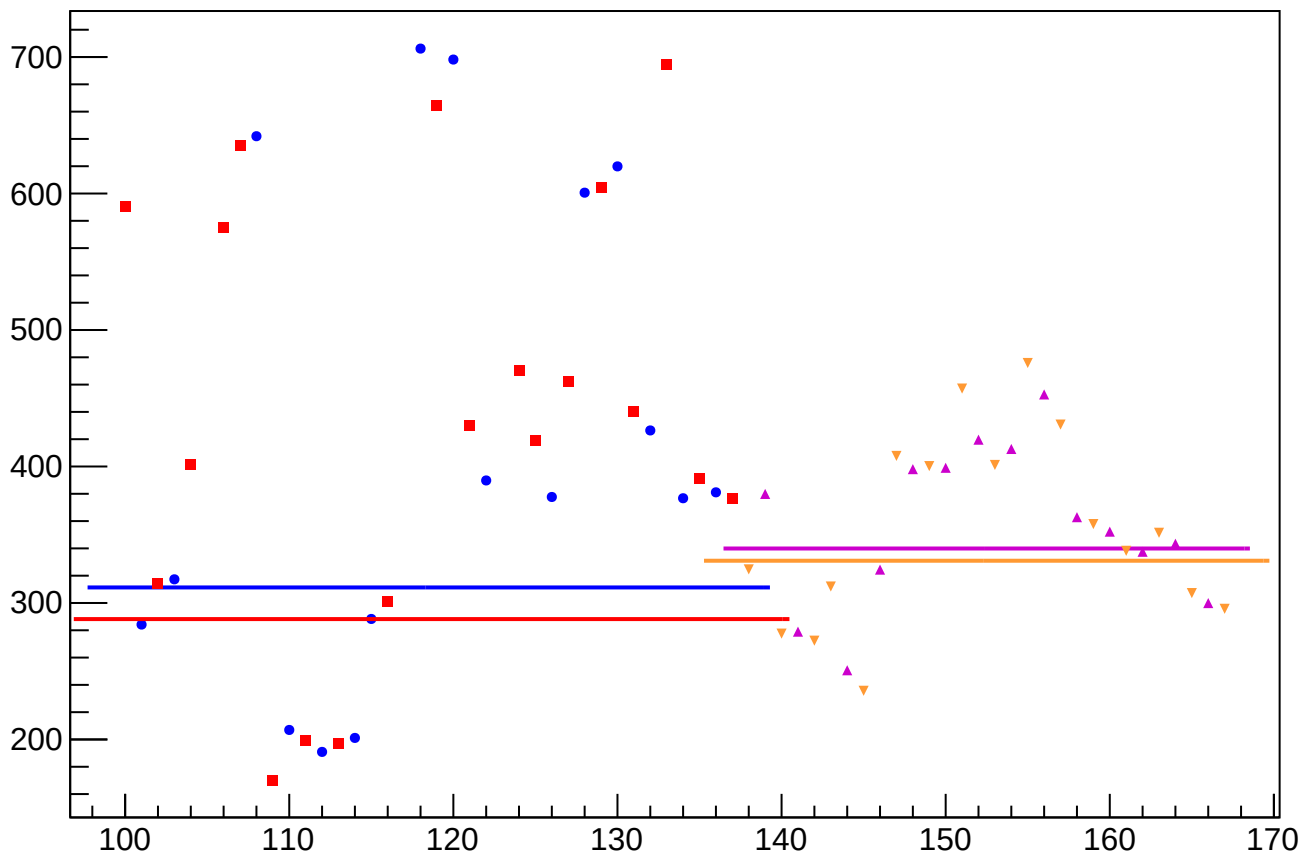
Left In: 48.000 $\pm$ 101.783 χ^2 /NDF:17.2/13

+ sign -355.334 $\pm$ 75.995 χ^2 /NDF: 62.0/31

All: -213.152 $\pm$ 54.093 χ^2 /NDF: 101.8/64

- sign -67.141 $\pm$ 77.012 χ^2 /NDF: 32.8/32

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386 ± 0.089 χ^2/NDF : 2123797.6/15

Left Out: 330.957 ± 0.067 χ^2/NDF : 938580.0/15

Right Out: 288.205 ± 0.083 χ^2/NDF : 2715380.6/18

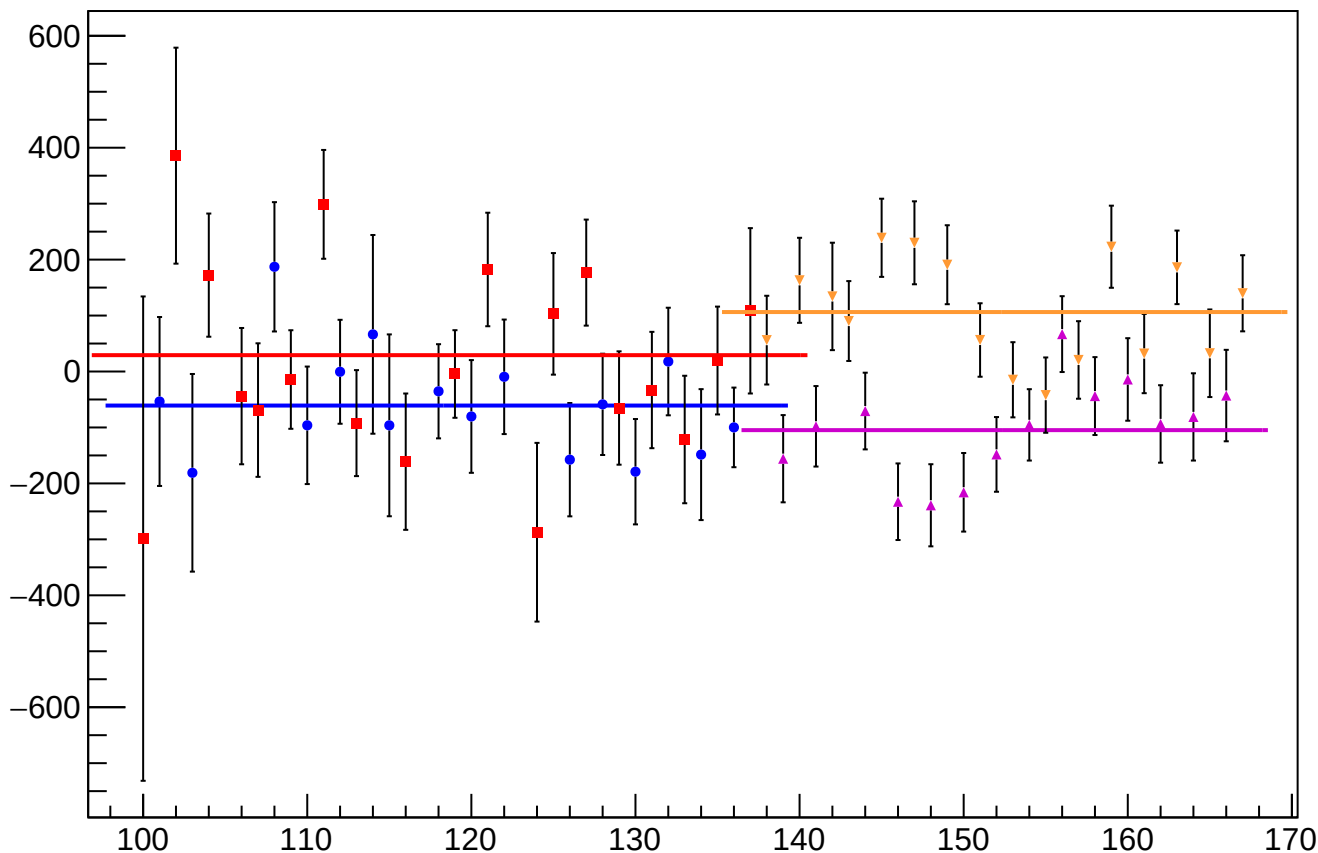
Left In: 339.917 ± 0.072 χ^2/NDF : 653236.1/13

+ sign 323.826 ± 0.054 χ^2/NDF : 3093095.0/31

All: 320.858 ± 0.038 χ^2/NDF : 6688604.4/64

- sign 317.809 ± 0.054 χ^2/NDF : 3589323.0/32

cor_asym_sam7_mean vs Slug



Right In: -60.848 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 106.280 ± 17.952 χ^2/NDF : 25.4/15

Right Out: 29.221 ± 25.143 χ^2/NDF : 31.3/18

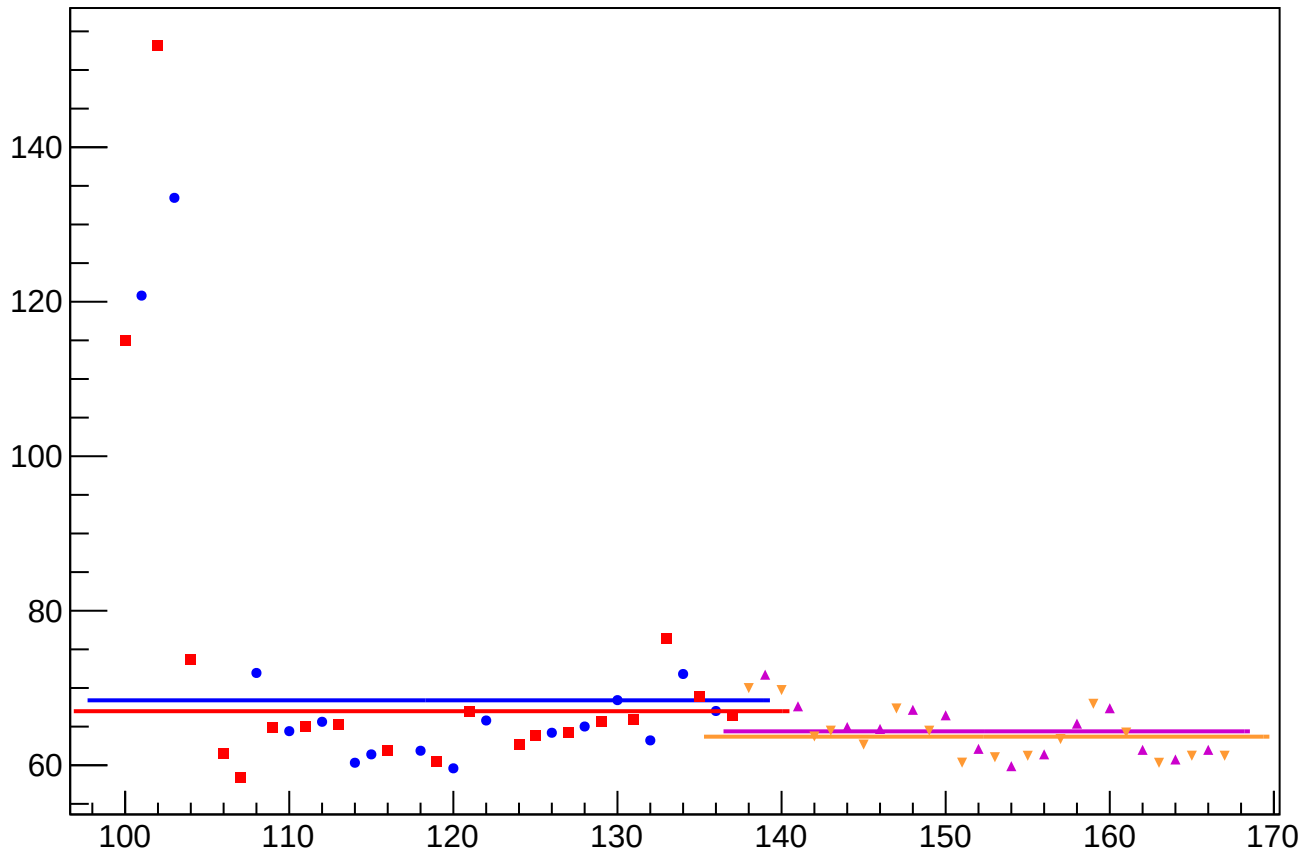
Left In: -104.782 ± 18.988 χ^2/NDF : 19.9/13

+ sign 52.474 ± 14.783 χ^2/NDF : 63.9/31

All: -0.478 ± 10.581 χ^2/NDF : 159.4/64

- sign -56.113 ± 15.153 χ^2/NDF : 69.2/32

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF : 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF : 58817.7/15

Right Out: 66.995+/-0.018 χ^2/NDF : 484487.7/18

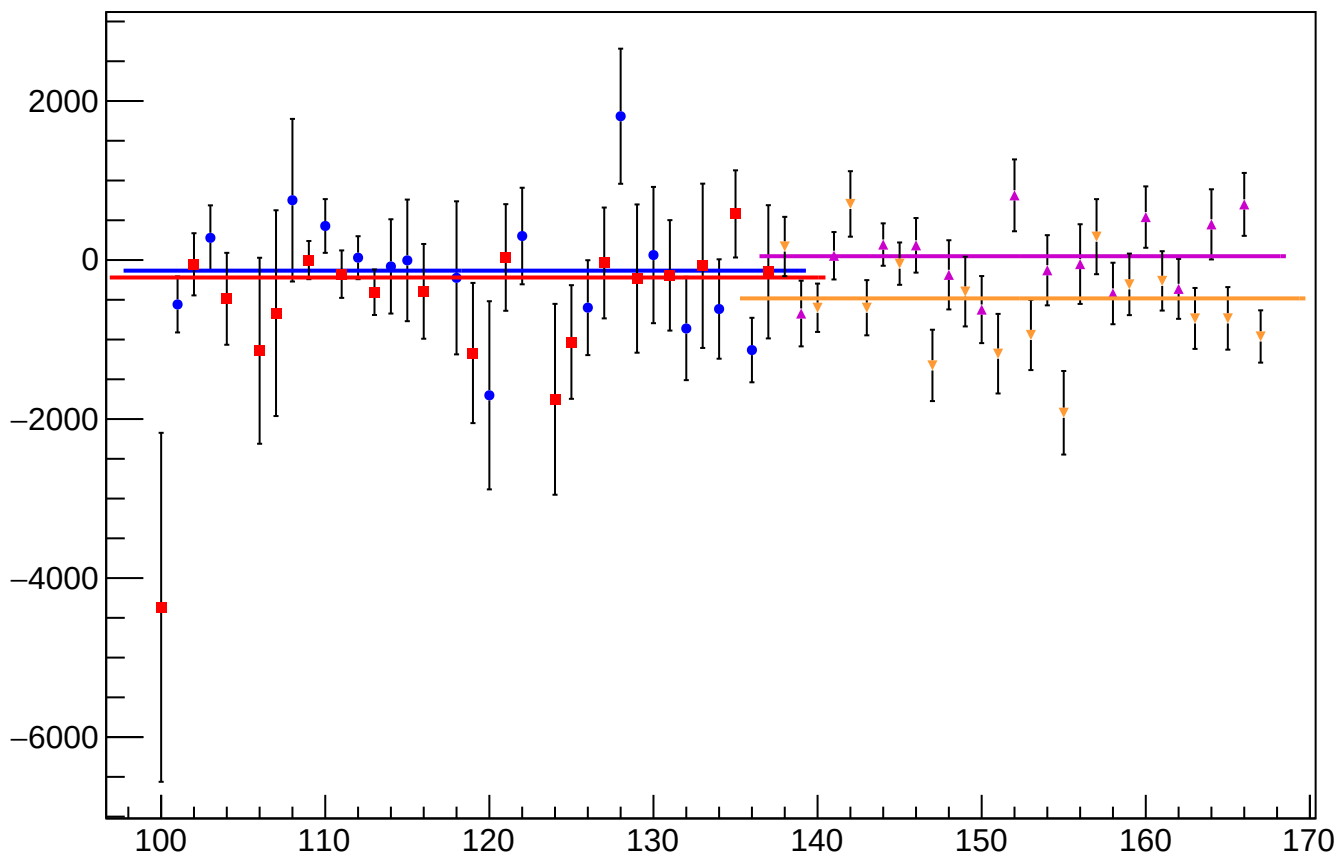
Left In: 64.387+/-0.013 χ^2/NDF : 54889.2/13

+ sign 65.213+/-0.010 χ^2/NDF : 672597.4/31

All: 65.272+/-0.007 χ^2/NDF : 1225741.8/64

- sign 65.334+/-0.011 χ^2/NDF : 553079.4/32

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -482.424 ± 95.317 χ^2/NDF : 34.6/15

Right Out: -219.615 ± 117.989 χ^2/NDF : 12.5/18

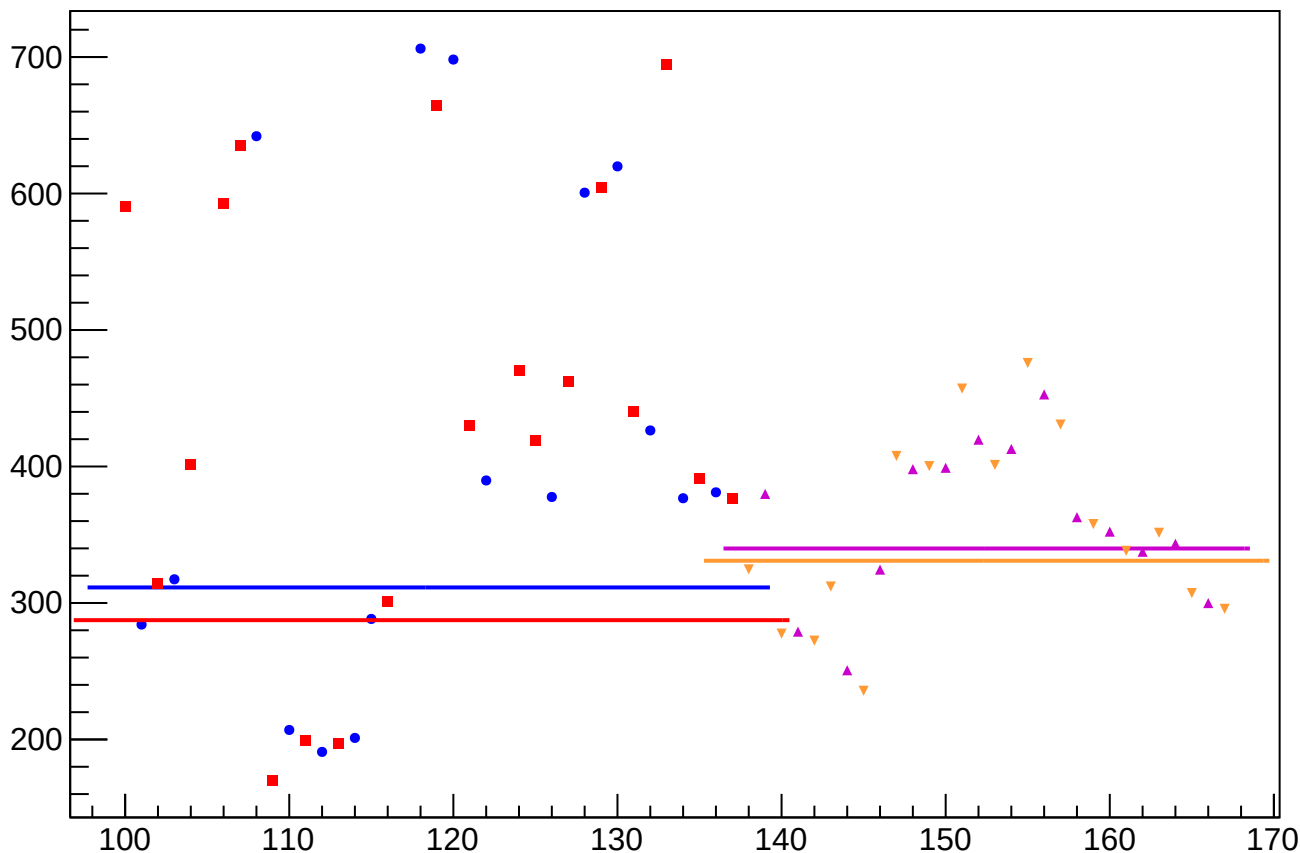
Left In: 48.003 ± 101.783 χ^2/NDF : 17.2/13

+ sign -355.333 ± 75.995 χ^2/NDF : 62.0/31

All: -212.785 ± 54.113 χ^2/NDF : 101.8/64

- sign -66.178 ± 77.070 χ^2/NDF : 32.7/32

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388 ± 0.089 χ^2/NDF : 2123799.0/15

Left Out: 330.956 ± 0.067 χ^2/NDF : 938585.0/15

Right Out: 287.413 ± 0.083 χ^2/NDF : 2690258.0/18

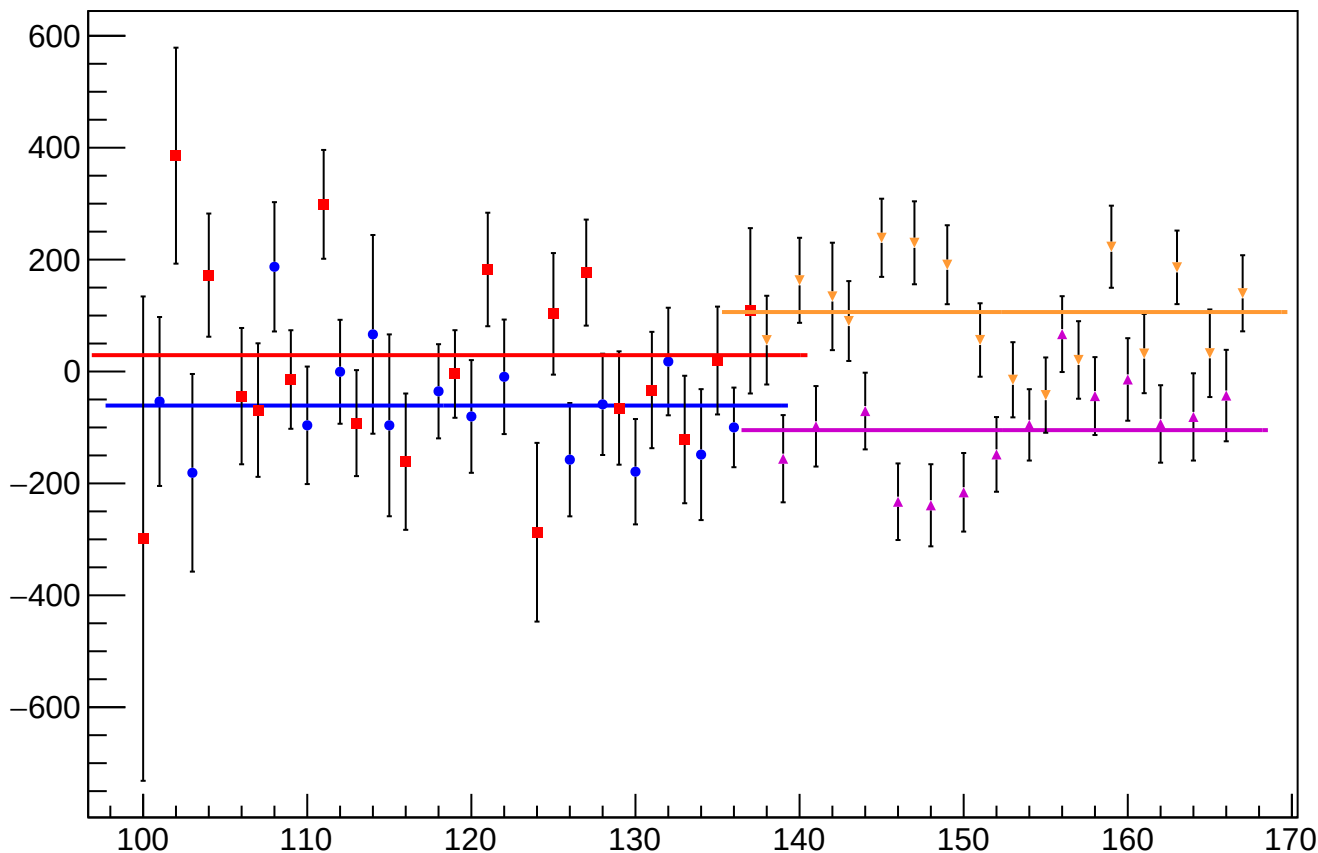
Left In: 339.917 ± 0.072 χ^2/NDF : 653234.0/13

+ sign 323.827 ± 0.054 χ^2/NDF : 3093094.5/31

All: 320.716 ± 0.038 χ^2/NDF : 6670447.3/64

- sign 317.516 ± 0.054 χ^2/NDF : 3570552.6/32

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 106.280 ± 17.952 χ^2/NDF : 25.4/15

Right Out: 29.221 ± 25.143 χ^2/NDF : 31.3/18

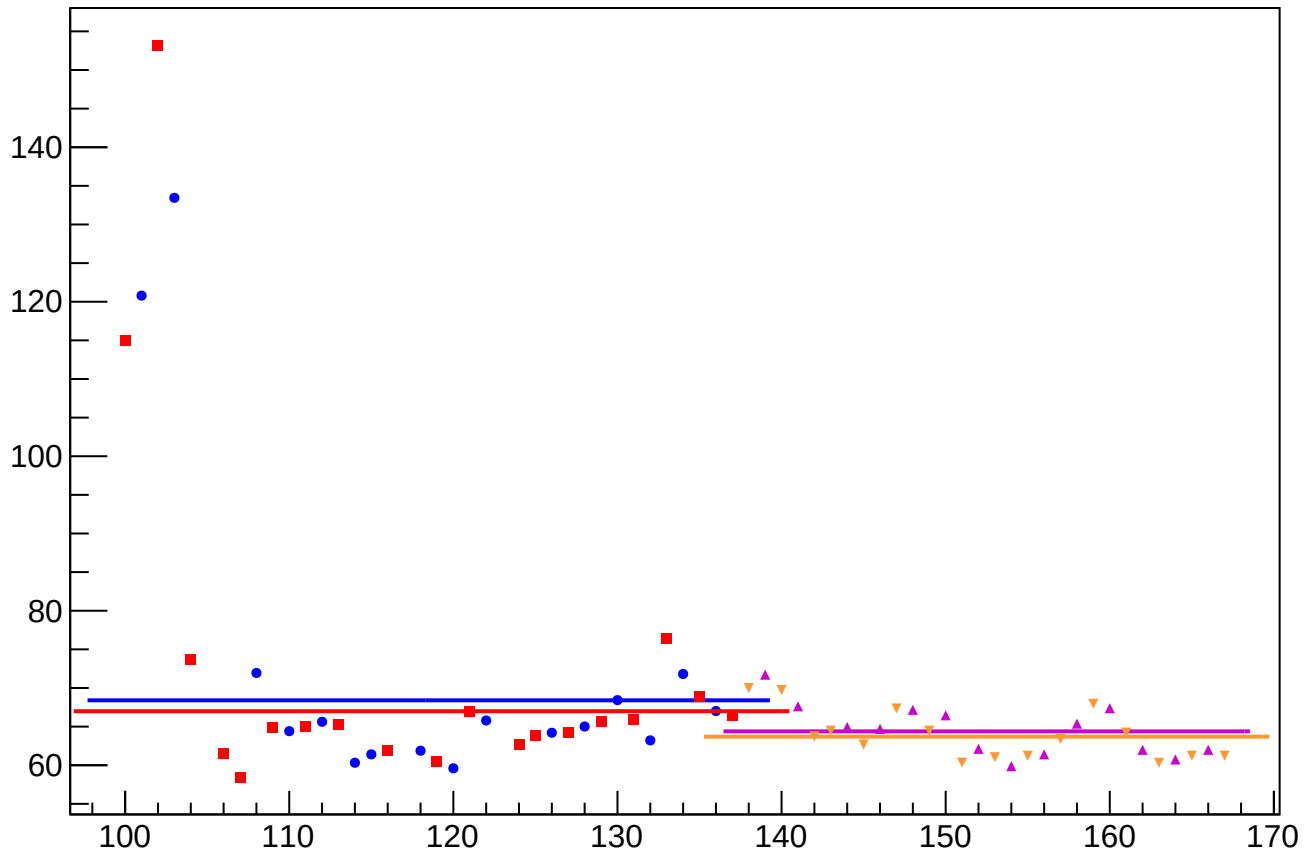
Left In: -104.782 ± 18.988 χ^2/NDF : 19.9/13

+ sign 52.474 ± 14.783 χ^2/NDF : 63.9/31

All: -0.478 ± 10.581 χ^2/NDF : 159.4/64

- sign -56.113 ± 15.153 χ^2/NDF : 69.2/32

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403 ± 0.018 χ^2/NDF : 569557.9/15

Left Out: 63.699 ± 0.013 χ^2/NDF : 58817.7/15

Right Out: 66.995 ± 0.018 χ^2/NDF : 484487.7/18

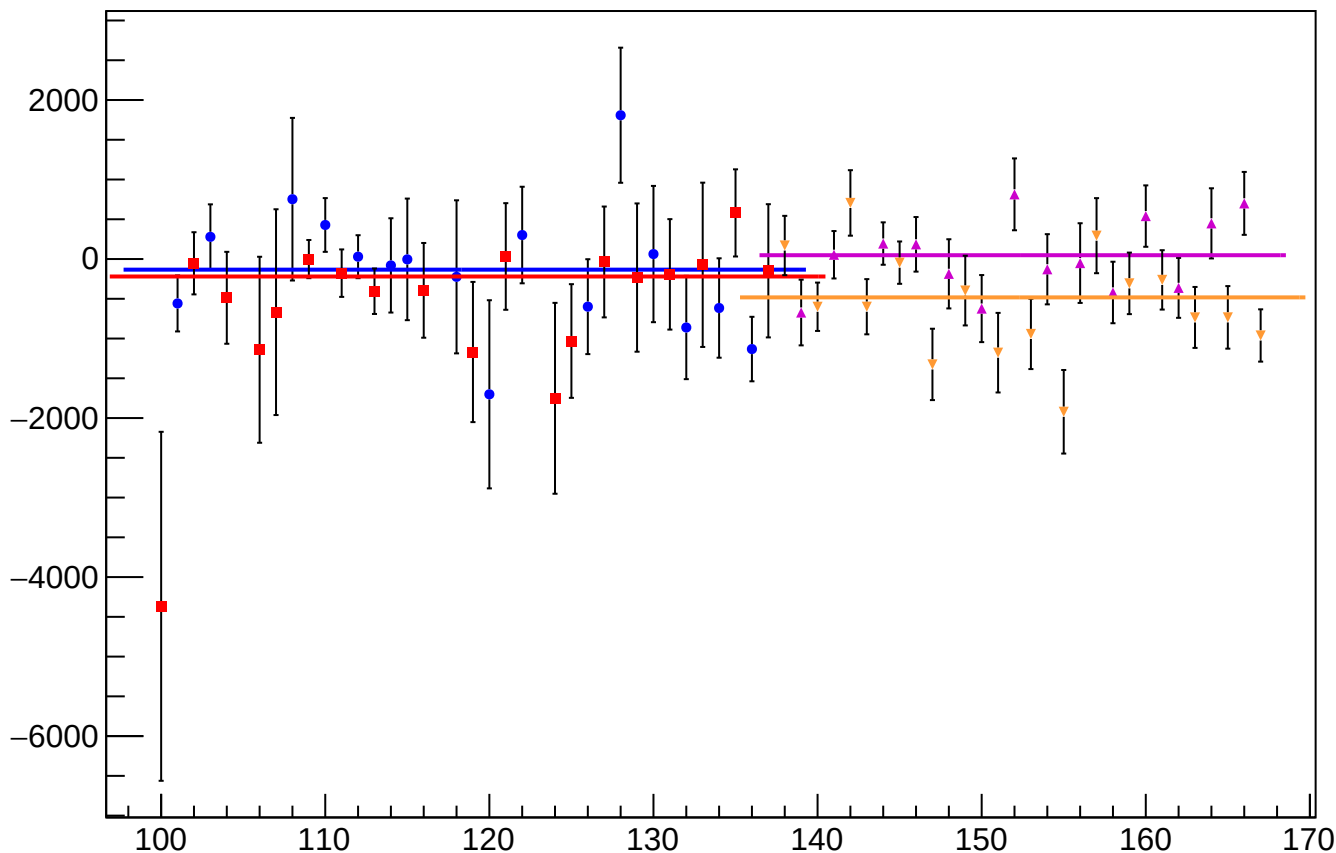
Left In: 64.387 ± 0.013 χ^2/NDF : 54889.2/13

+ sign 65.213 ± 0.010 χ^2/NDF : 672597.4/31

All: 65.272 ± 0.007 χ^2/NDF : 1225741.8/64

- sign 65.334 ± 0.011 χ^2/NDF : 553079.4/32

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587 $\pm$ 125.904 χ^2/NDF : 22.5/15

Left Out: -482.424 $\pm$ 95.317 χ^2/NDF : 34.6/15

Right Out: -219.615 $\pm$ 117.989 χ^2/NDF : 12.5/18

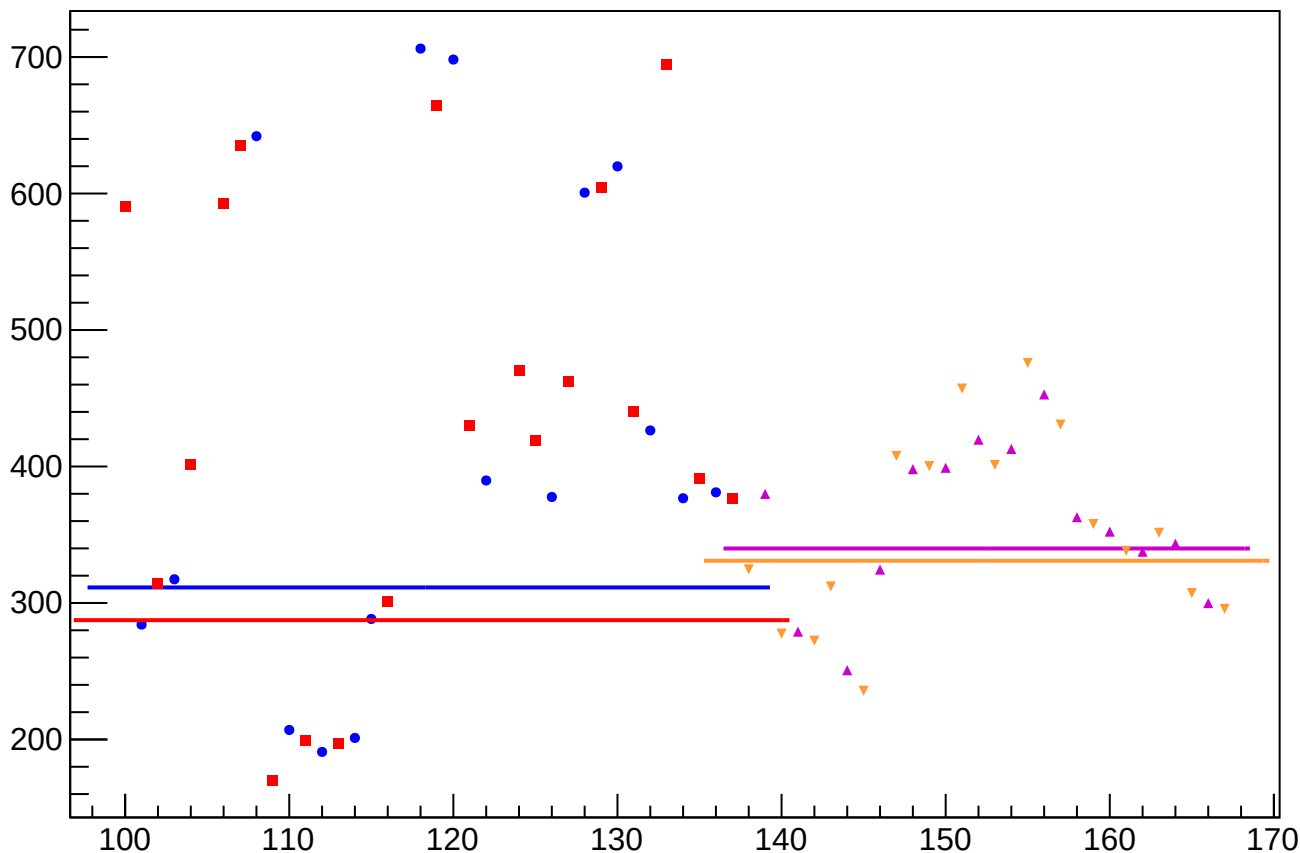
Left In: 48.003 $\pm$ 101.783 χ^2/NDF : 17.2/13

+ sign -355.333 $\pm$ 75.995 χ^2/NDF : 62.0/31

All: -212.785 $\pm$ 54.113 χ^2/NDF : 101.8/64

- sign -66.178 $\pm$ 77.070 χ^2/NDF : 32.7/32

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388 ± 0.089 χ^2/NDF : 2123799.0/15

Left Out: 330.956 ± 0.067 χ^2/NDF : 938585.0/15

Right Out: 287.413 ± 0.083 χ^2/NDF : 2690258.0/18

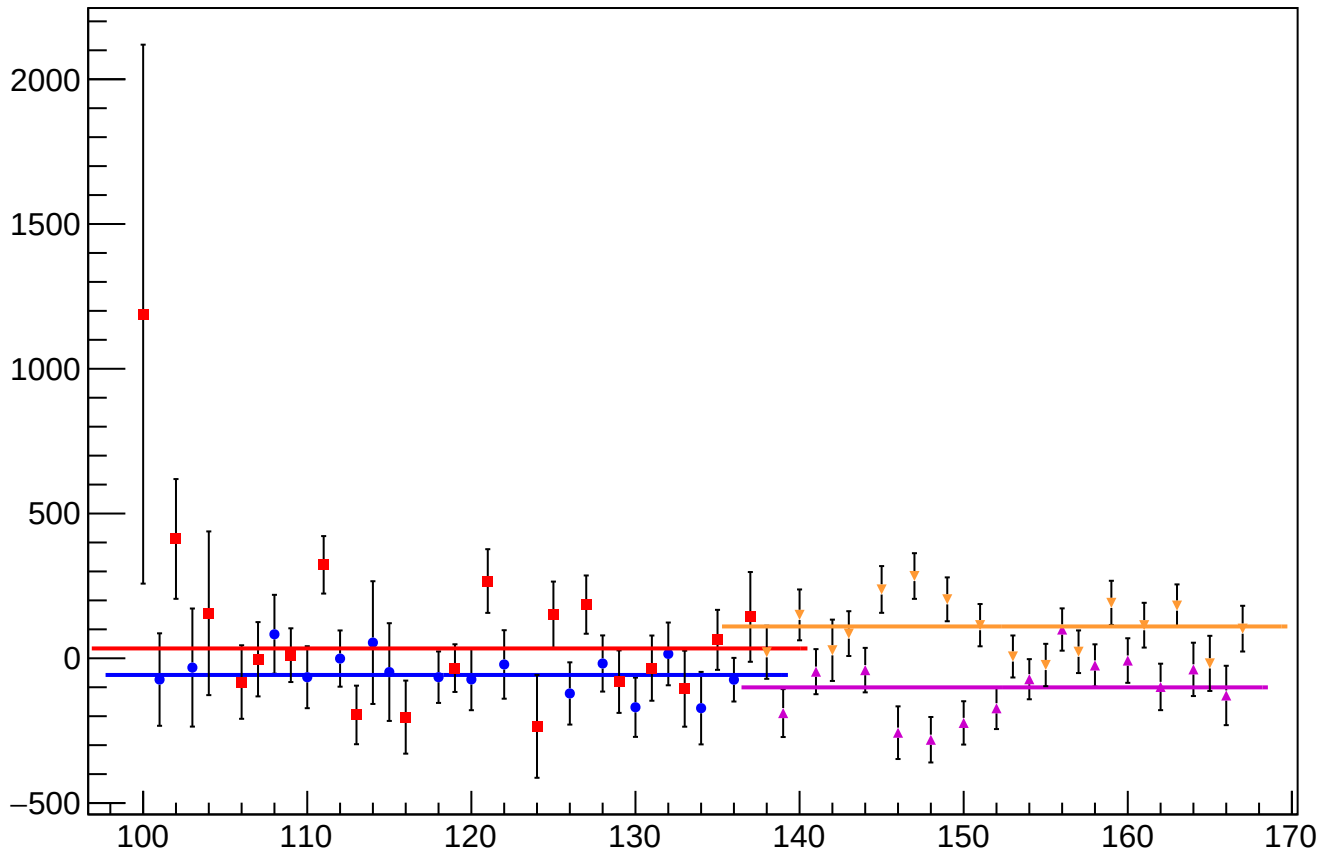
Left In: 339.917 ± 0.072 χ^2/NDF : 653234.0/13

+ sign 323.827 ± 0.054 χ^2/NDF : 3093094.5/31

All: 320.716 ± 0.038 χ^2/NDF : 6670447.3/64

- sign 317.516 ± 0.054 χ^2/NDF : 3570552.6/32

dit_asym_sam7_mean vs Slug



Right In: -57.533 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 109.966 ± 19.850 χ^2/NDF : 21.5/15

Right Out: 34.033 ± 27.398 χ^2/NDF : 37.1/18

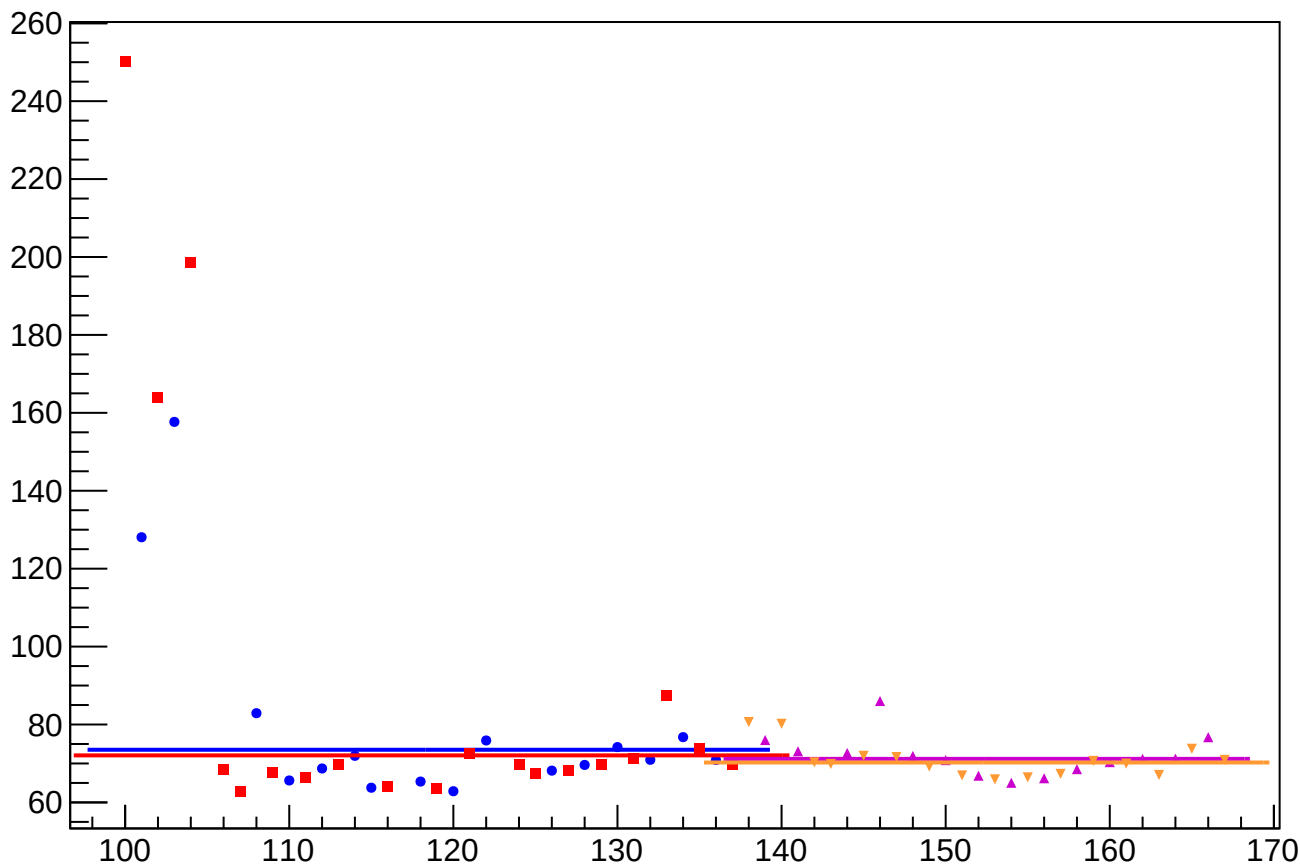
Left In: -100.396 ± 21.056 χ^2/NDF : 24.9/13

+ sign 54.170 ± 16.211 χ^2/NDF : 50.1/31

All: 3.386 ± 11.630 χ^2/NDF : 147.5/64

- sign -50.481 ± 16.695 χ^2/NDF : 77.2/32

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656847.5/15

Left Out: 70.249+/-0.014 χ^2/NDF : 79791.8/15

Right Out: 72.074+/-0.019 χ^2/NDF : 958495.0/18

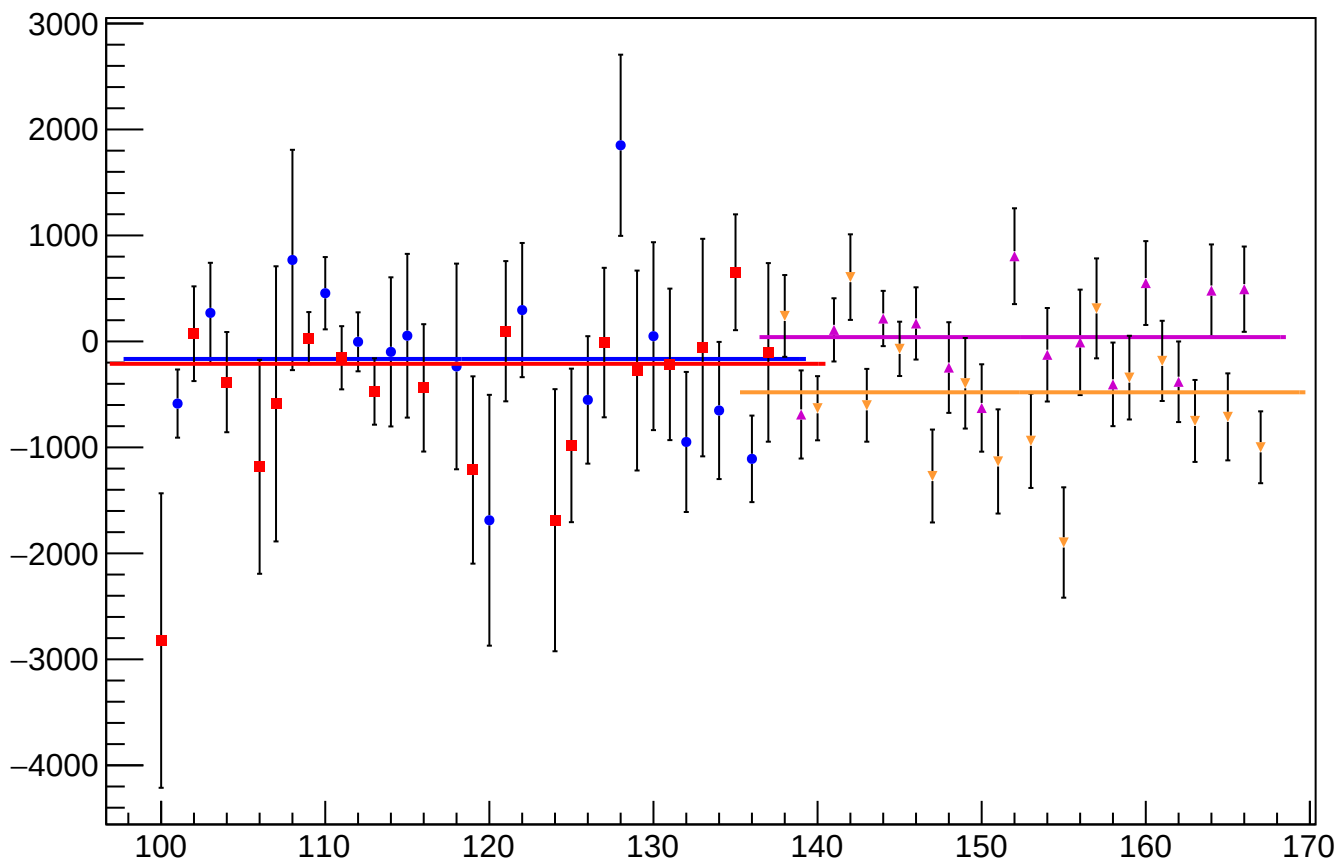
Left In: 71.179+/-0.015 χ^2/NDF : 103243.6/13

+ sign 71.338+/-0.011 χ^2/NDF : 754715.0/31

All: 71.422+/-0.008 χ^2/NDF : 1817904.6/64

- sign 71.512+/-0.012 χ^2/NDF : 1063078.9/32

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500 ± 128.438 χ^2/NDF : 22.6/15

Left Out: -480.103 ± 95.256 χ^2/NDF : 33.9/15

Right Out: -211.347 ± 120.122 χ^2/NDF : 13.6/18

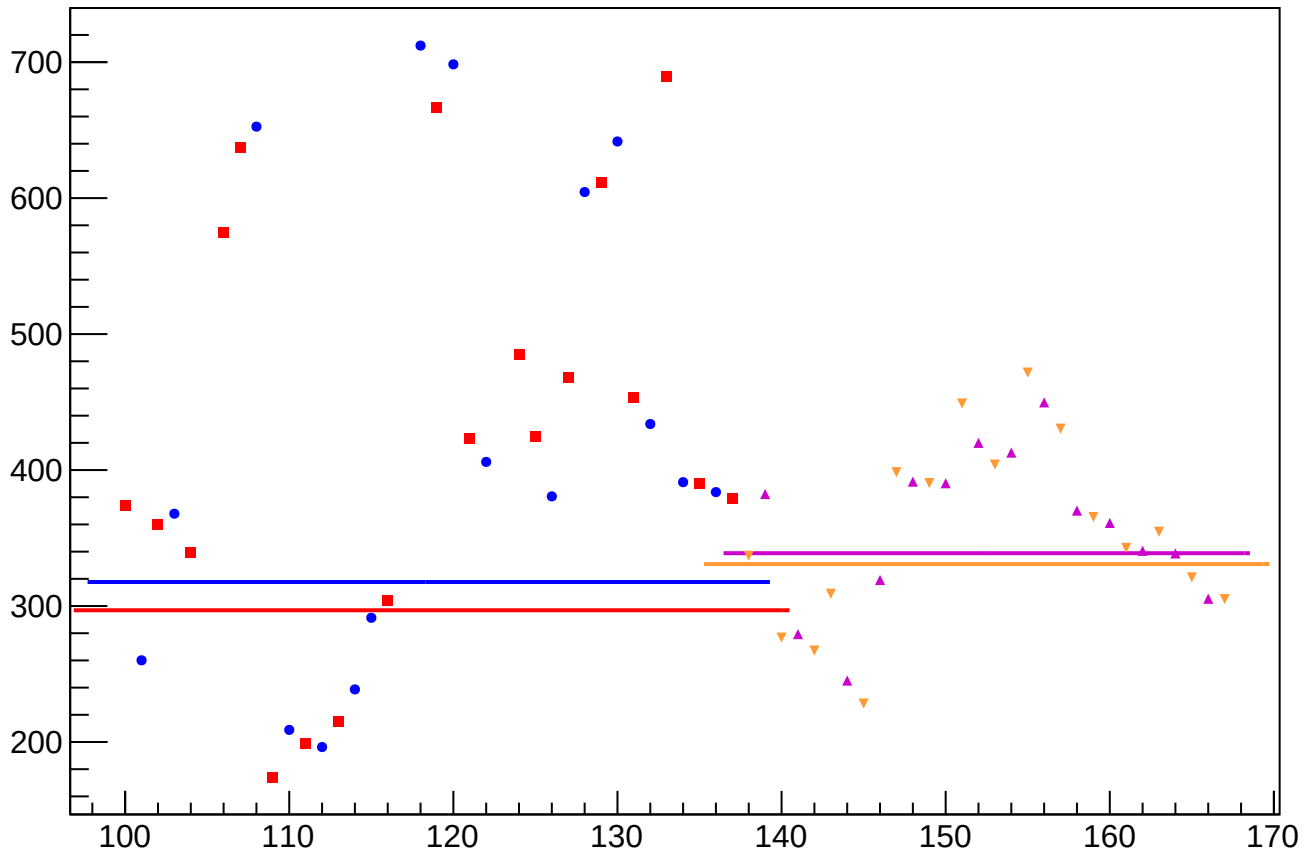
Left In: 40.654 ± 101.565 χ^2/NDF : 16.3/13

+ sign -368.463 ± 76.510 χ^2/NDF : 60.4/31

All: -218.499 ± 54.468 χ^2/NDF : 100.6/64

- sign -64.400 ± 77.558 χ^2/NDF : 32.4/32

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF : 2136192.8/15

Left Out: 330.849+/-0.067 χ^2/NDF : 971391.5/15

Right Out: 296.888+/-0.085 χ^2/NDF : 2541040.3/18

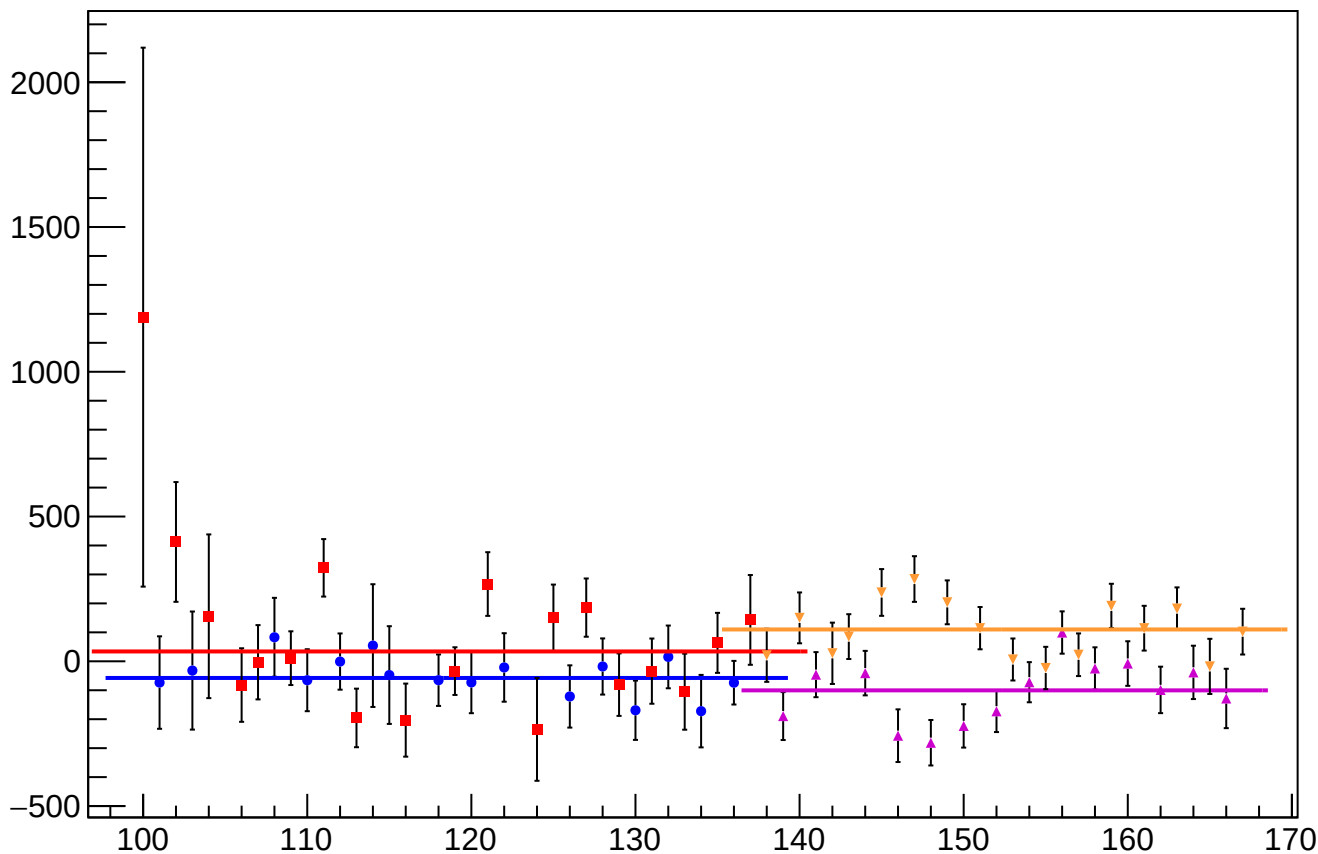
Left In: 338.850+/-0.072 χ^2/NDF : 680666.5/13

+ sign 326.170+/-0.054 χ^2/NDF : 3121181.6/31

All: 323.796+/-0.039 χ^2/NDF : 6489106.4/64

- sign 321.357+/-0.055 χ^2/NDF : 3364021.0/32

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 109.966 ± 19.850 χ^2/NDF : 21.5/15

Right Out: 34.034 ± 27.398 χ^2/NDF : 37.1/18

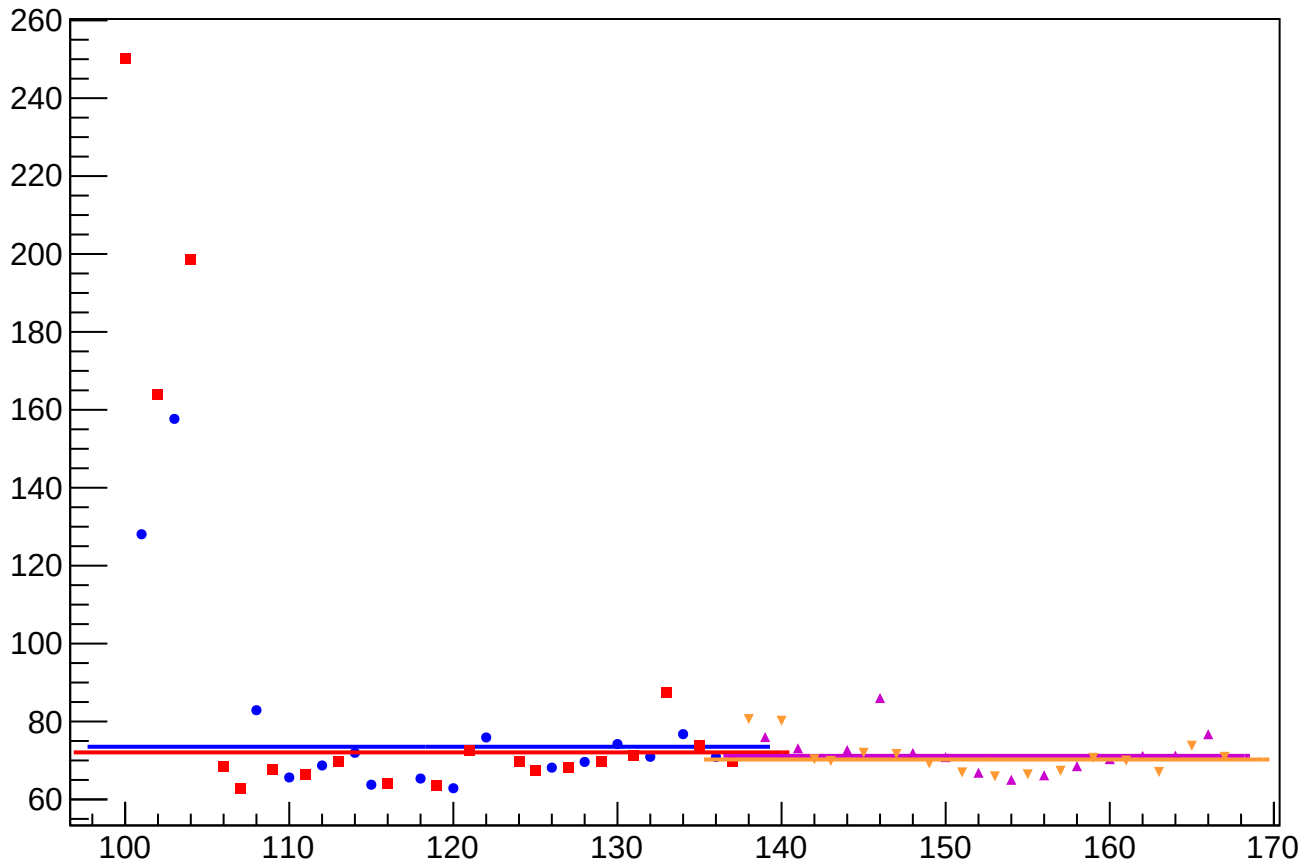
Left In: -100.395 ± 21.056 χ^2/NDF : 24.9/13

+ sign 54.171 ± 16.211 χ^2/NDF : 50.1/31

All: 3.386 ± 11.630 χ^2/NDF : 147.5/64

- sign -50.480 ± 16.695 χ^2/NDF : 77.2/32

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656849.2/15

Left Out: 70.249+/-0.014 χ^2/NDF : 79791.1/15

Right Out: 72.074+/-0.019 χ^2/NDF : 958496.3/18

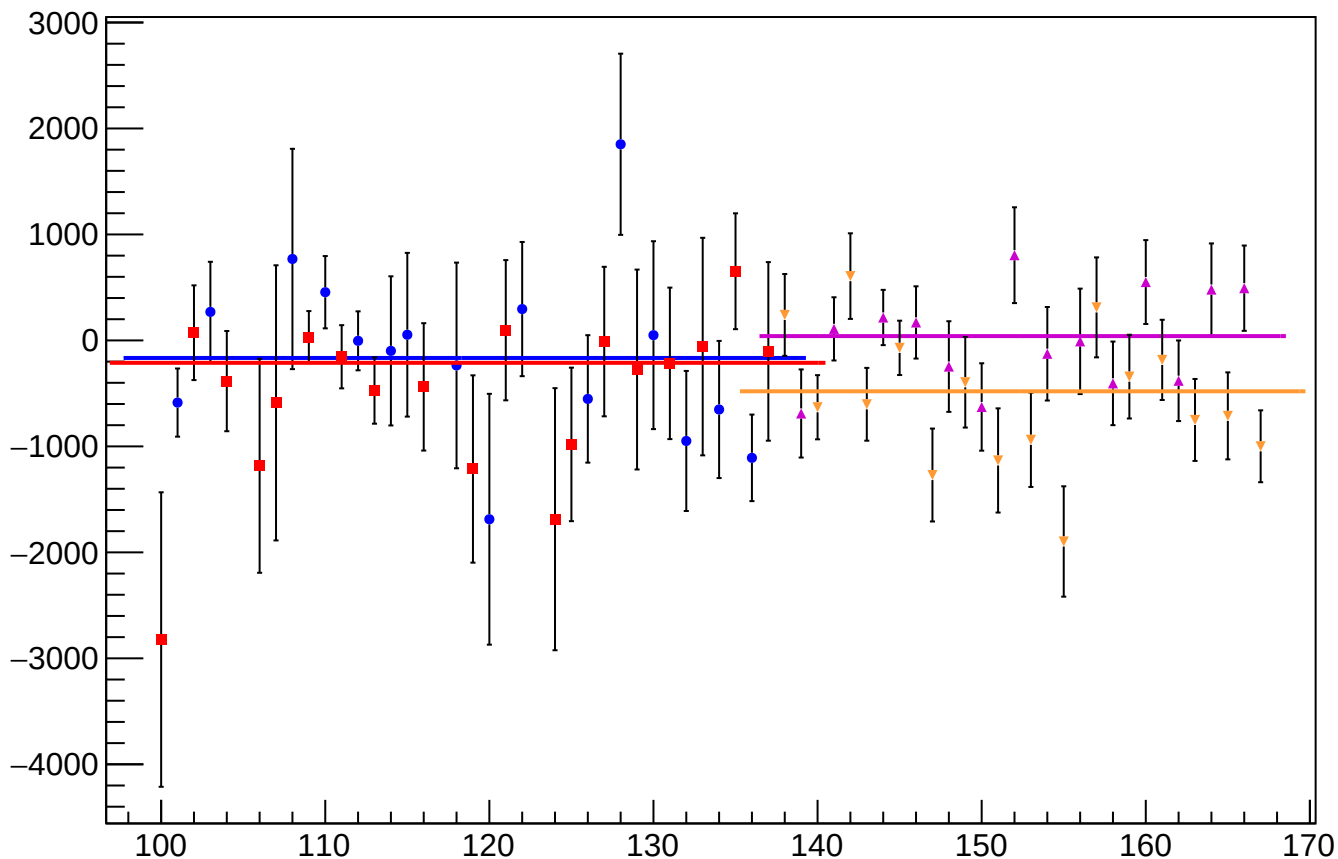
Left In: 71.179+/-0.015 χ^2/NDF : 103244.1/13

+ sign 71.338+/-0.011 χ^2/NDF : 754714.5/31

All: 71.422+/-0.008 χ^2/NDF : 1817905.6/64

- sign 71.512+/-0.012 χ^2/NDF : 1063080.4/32

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498 ± 128.437 χ^2/NDF : 22.6/15

Left Out: -480.103 ± 95.256 χ^2/NDF : 33.9/15

Right Out: -211.347 ± 120.121 χ^2/NDF : 13.6/18

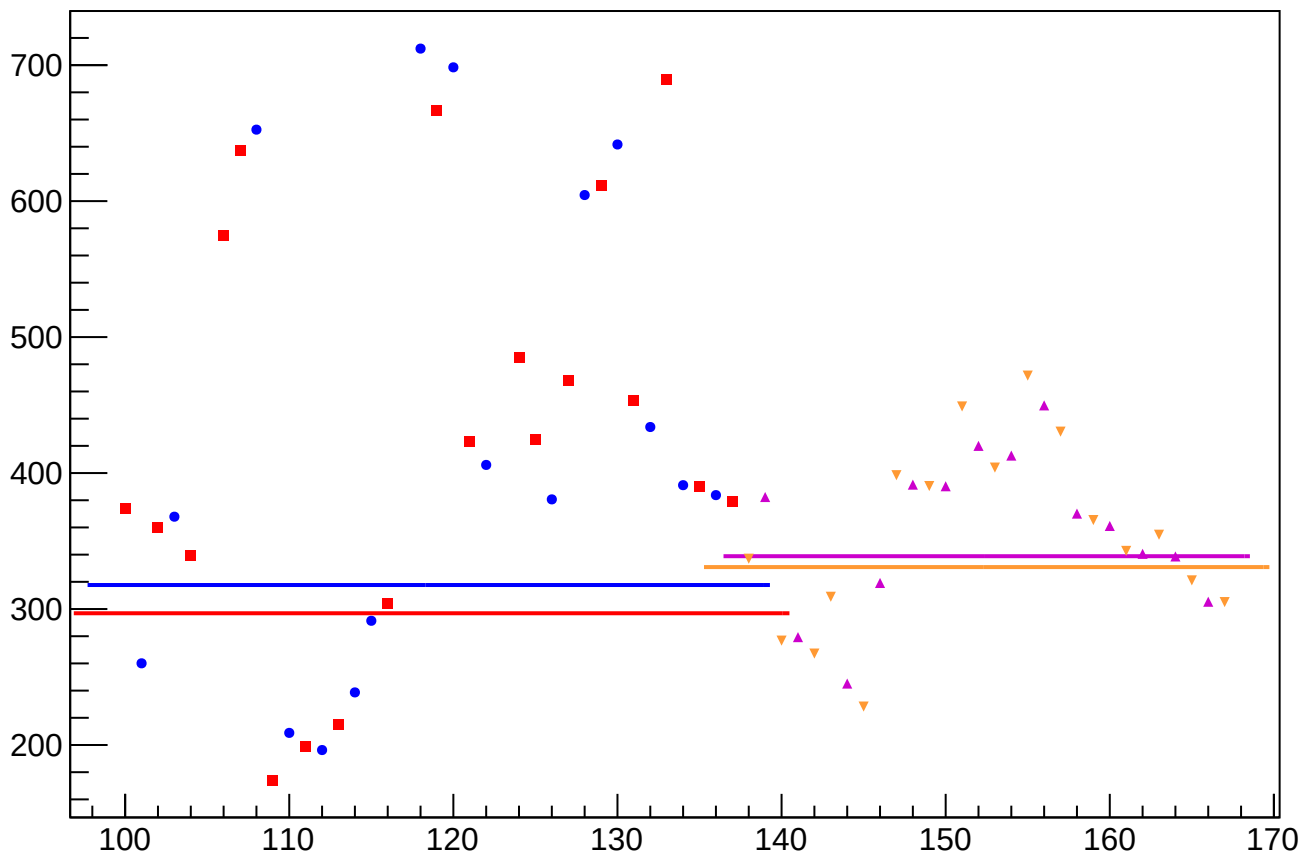
Left In: 40.655 ± 101.565 χ^2/NDF : 16.3/13

+ sign -368.461 ± 76.510 χ^2/NDF : 60.4/31

All: -218.498 ± 54.467 χ^2/NDF : 100.6/64

- sign -64.399 ± 77.558 χ^2/NDF : 32.4/32

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF : 2136224.4/15

Left Out: 330.848+/-0.067 χ^2/NDF : 971401.4/15

Right Out: 296.887+/-0.085 χ^2/NDF : 2541051.2/18

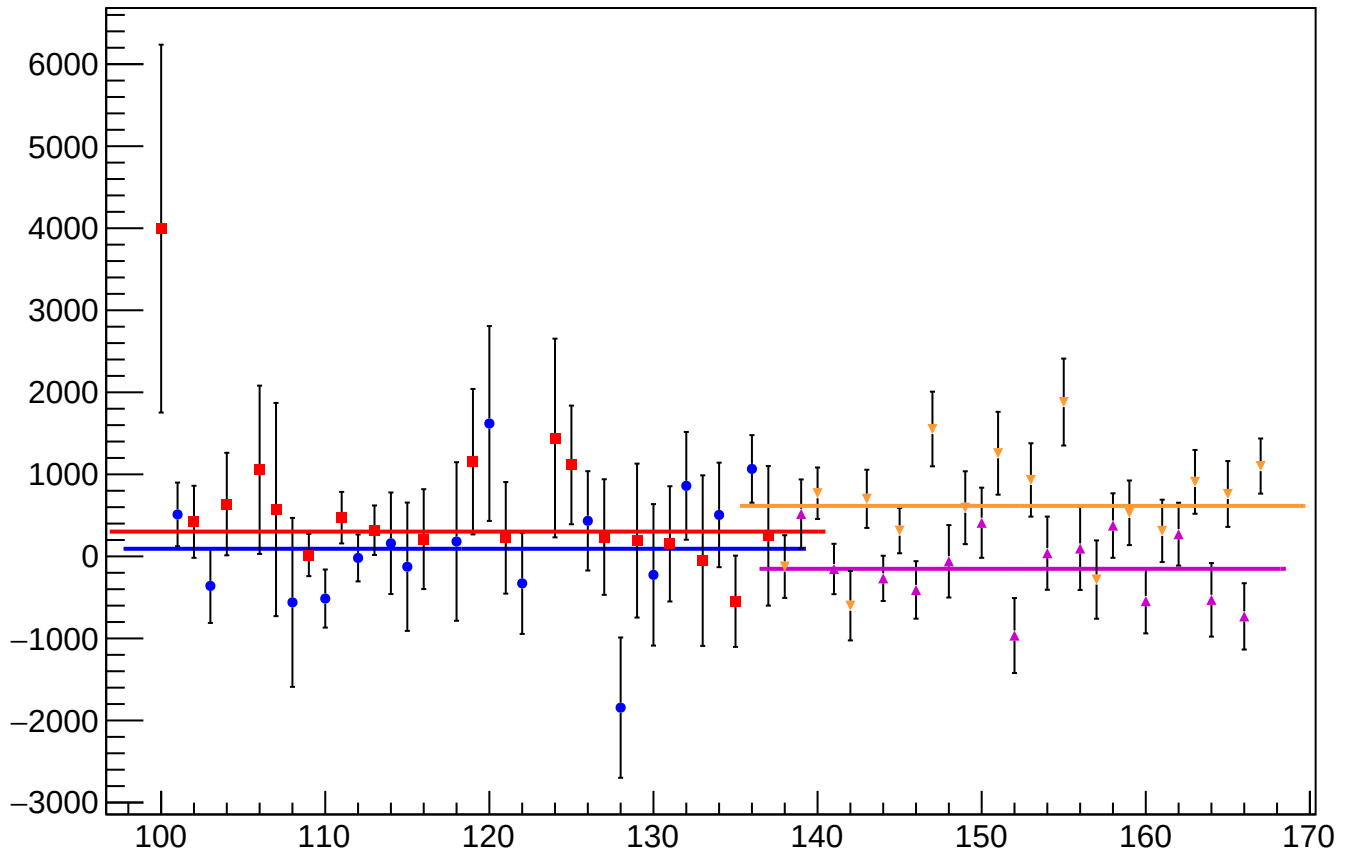
Left In: 338.849+/-0.072 χ^2/NDF : 680672.0/13

+ sign 326.169+/-0.054 χ^2/NDF : 3121227.6/31

All: 323.795+/-0.039 χ^2/NDF : 6489178.3/64

- sign 321.356+/-0.055 χ^2/NDF : 3364047.3/32

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF : 20.8/15

Left Out: 615.489+/-97.344 χ^2/NDF : 32.6/15

Right Out: 302.273+/-123.916 χ^2/NDF : 10.8/18

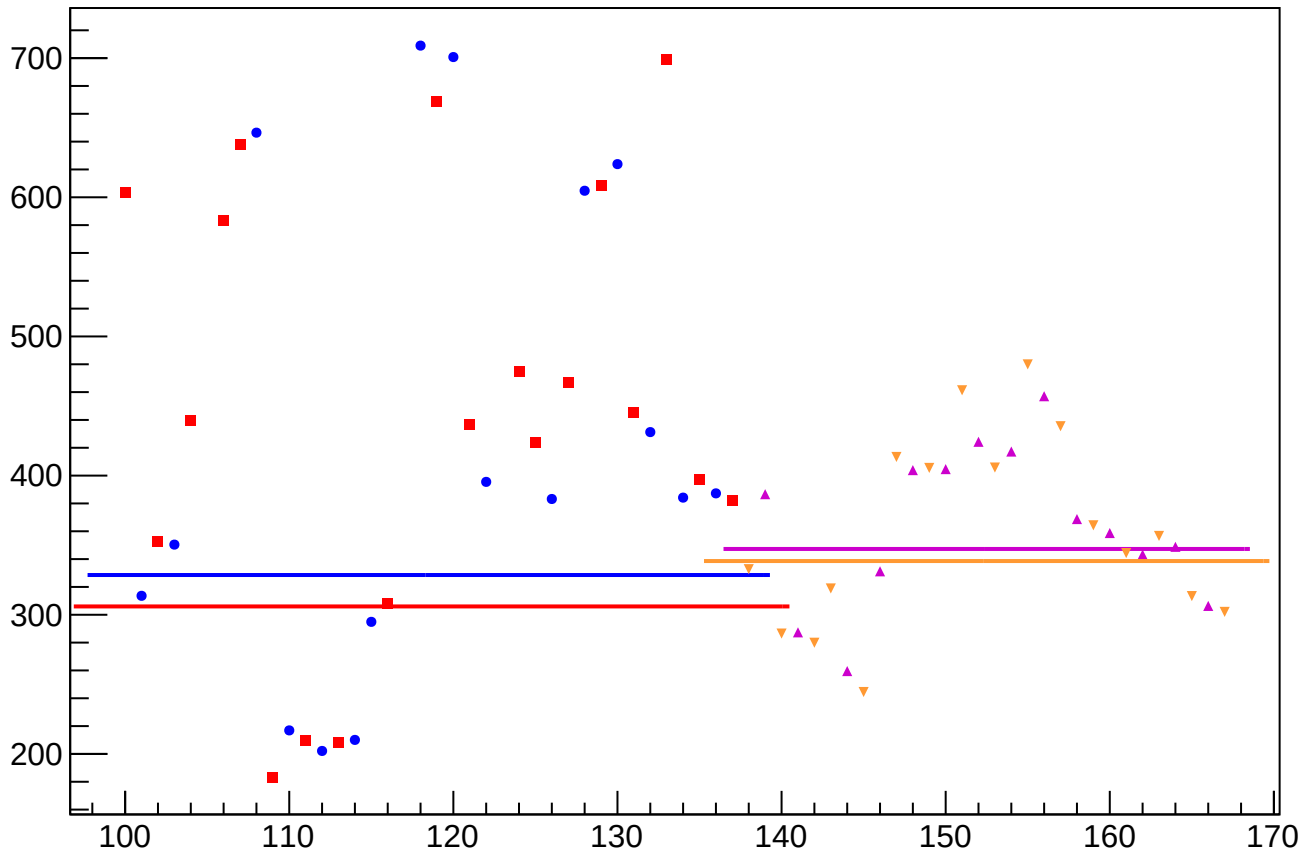
Left In: -151.306+/-103.843 χ^2/NDF : 15.4/13

+ sign 431.234+/-78.329 χ^2/NDF : 63.6/31

All: 236.685+/-55.828 χ^2/NDF : 110.2/64

- sign 35.816+/-79.591 χ^2/NDF : 34.1/32

asym_sam7_rms vs Slug



Right In: 328.567 $\pm$ 0.093 χ^2 /NDF: 1958873.4/15

Left Out: 338.604 $\pm$ 0.069 χ^2 /NDF: 865346.9/15

+ sign 335.066 $\pm$ 0.055 χ^2 /NDF: 2831716.9/31

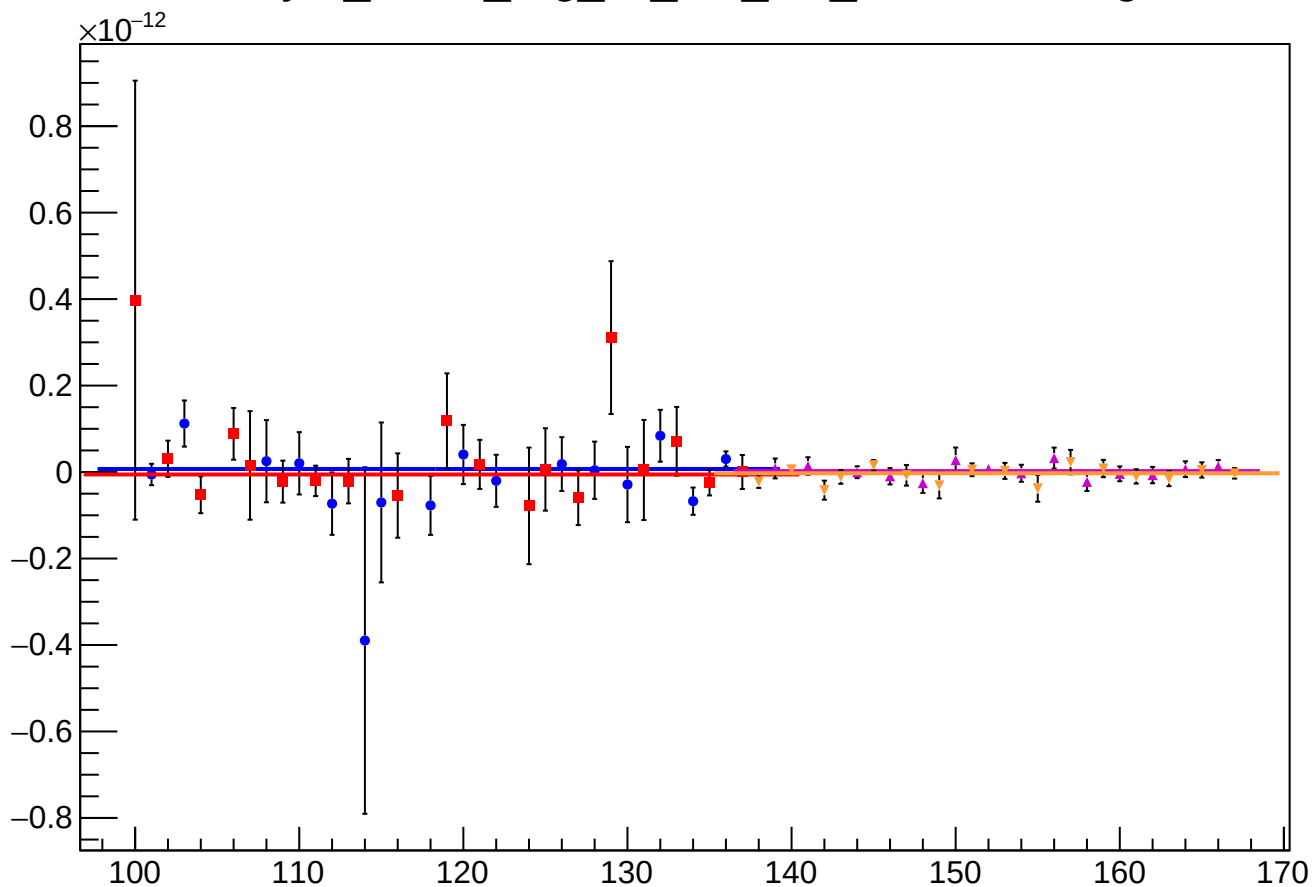
Right Out: 305.988 $\pm$ 0.088 χ^2 /NDF: 2527463.5/18

All: 332.697 $\pm$ 0.039 χ^2 /NDF: 6091397.4/64

- sign 330.251 $\pm$ 0.056 χ^2 /NDF: 3255963.0/32

Left In: 347.290 $\pm$ 0.073 χ^2 /NDF: 597974.9/13

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 : 12.9/15

Right Out: -0.000+/-0.000 χ^2/NDF : 12.8/18

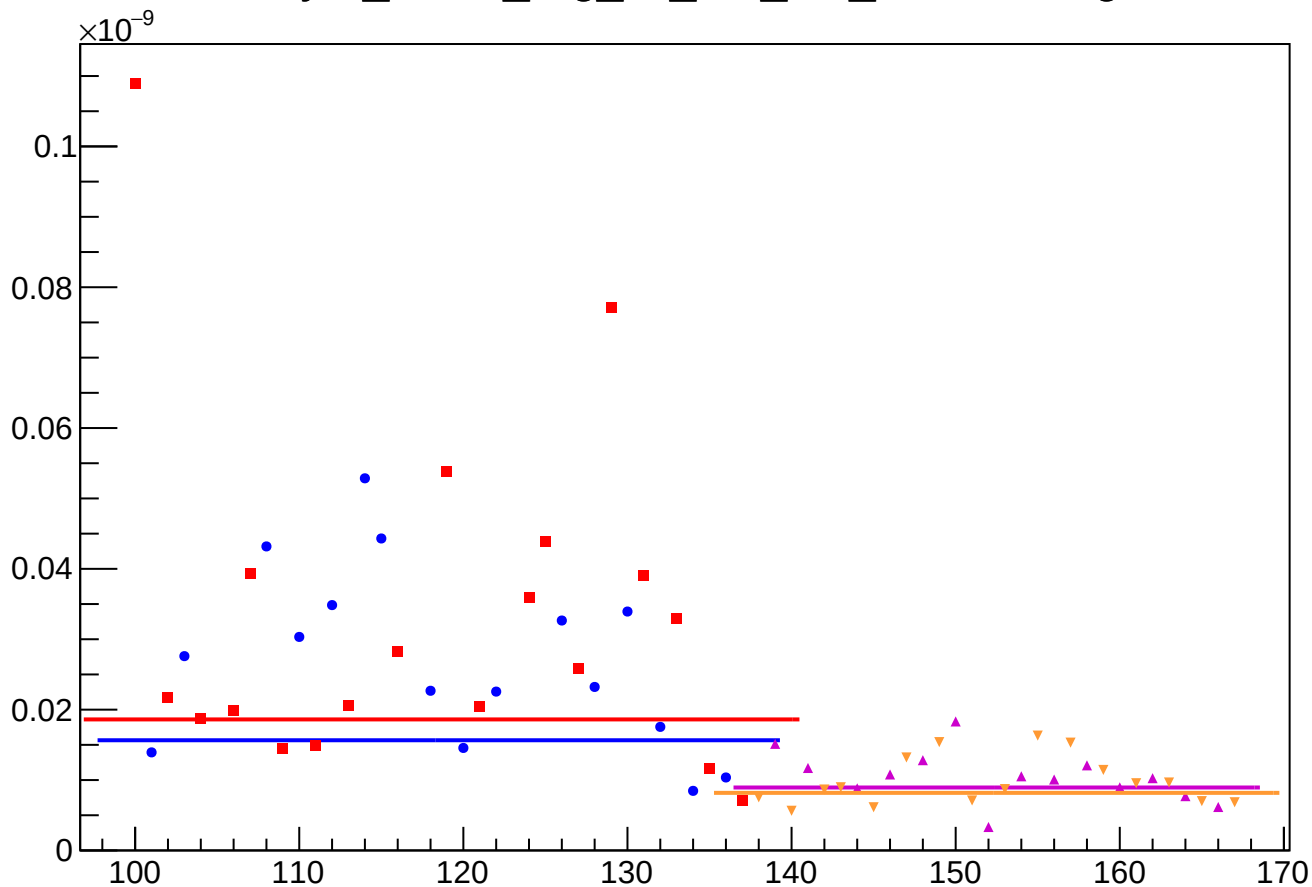
Left In: 0.000+/-0.000 χ^2/NDF : 7.3/13

+ sign -0.000+/-0.000 χ^2/NDF : 31.3/31

All: -0.000+/-0.000 χ^2/NDF : 51.9/64

- sign 0.000+/-0.000 χ^2/NDF : 20.4/32

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1164380.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 779403.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1228542.0/18

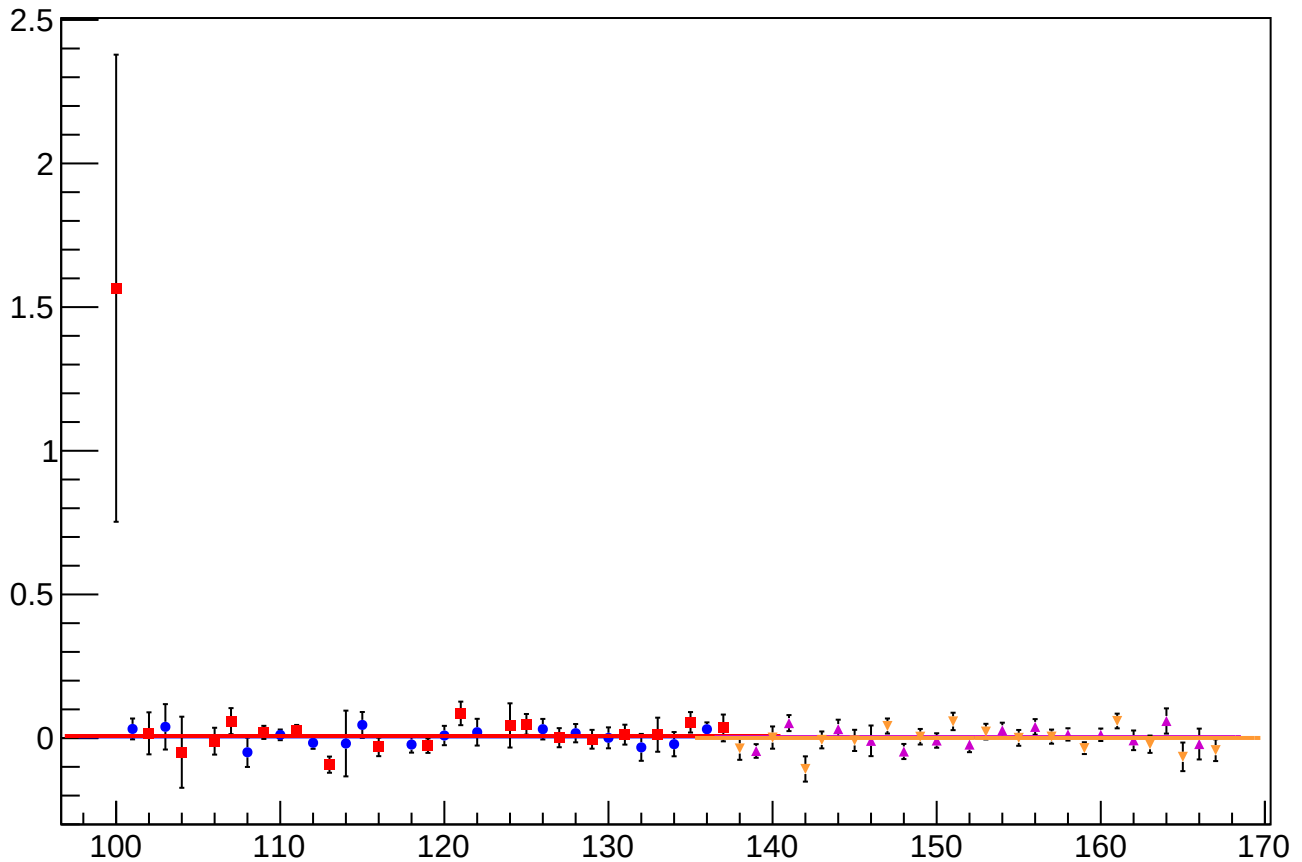
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1091308.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2758823.5/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6133625.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3316194.9/32

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF:25.6/15

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

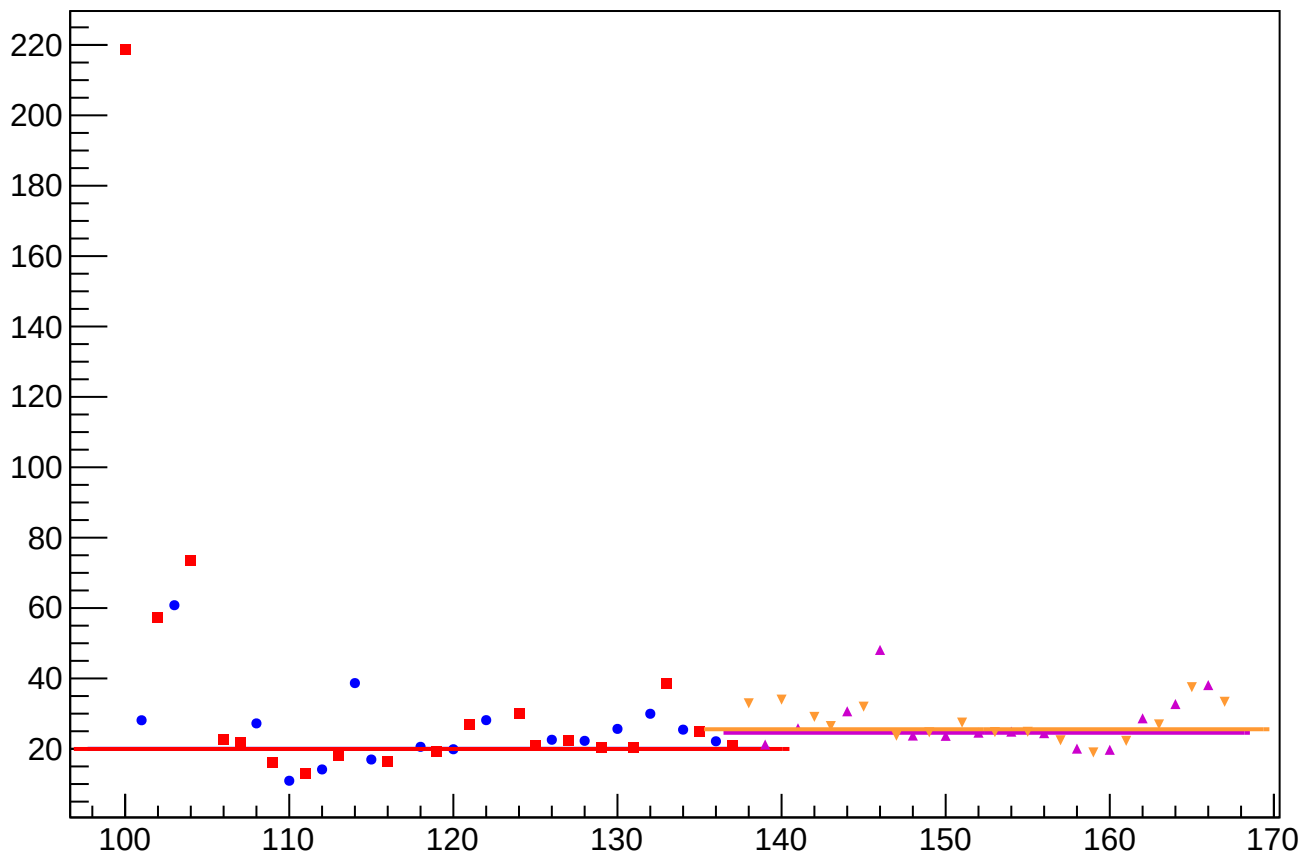
Left In: 0.004 $\pm$ 0.008 χ^2 /NDF:17.6/13

+ sign 0.003 $\pm$ 0.006 χ^2 /NDF: 33.7/31

All: 0.004 $\pm$ 0.004 χ^2 /NDF: 81.3/64

- sign 0.005 $\pm$ 0.006 χ^2 /NDF: 47.5/32

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641371.9/15

Left Out: 25.566 $\pm$ 0.005 χ^2 /NDF: 737214.9/15

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716895.2/18

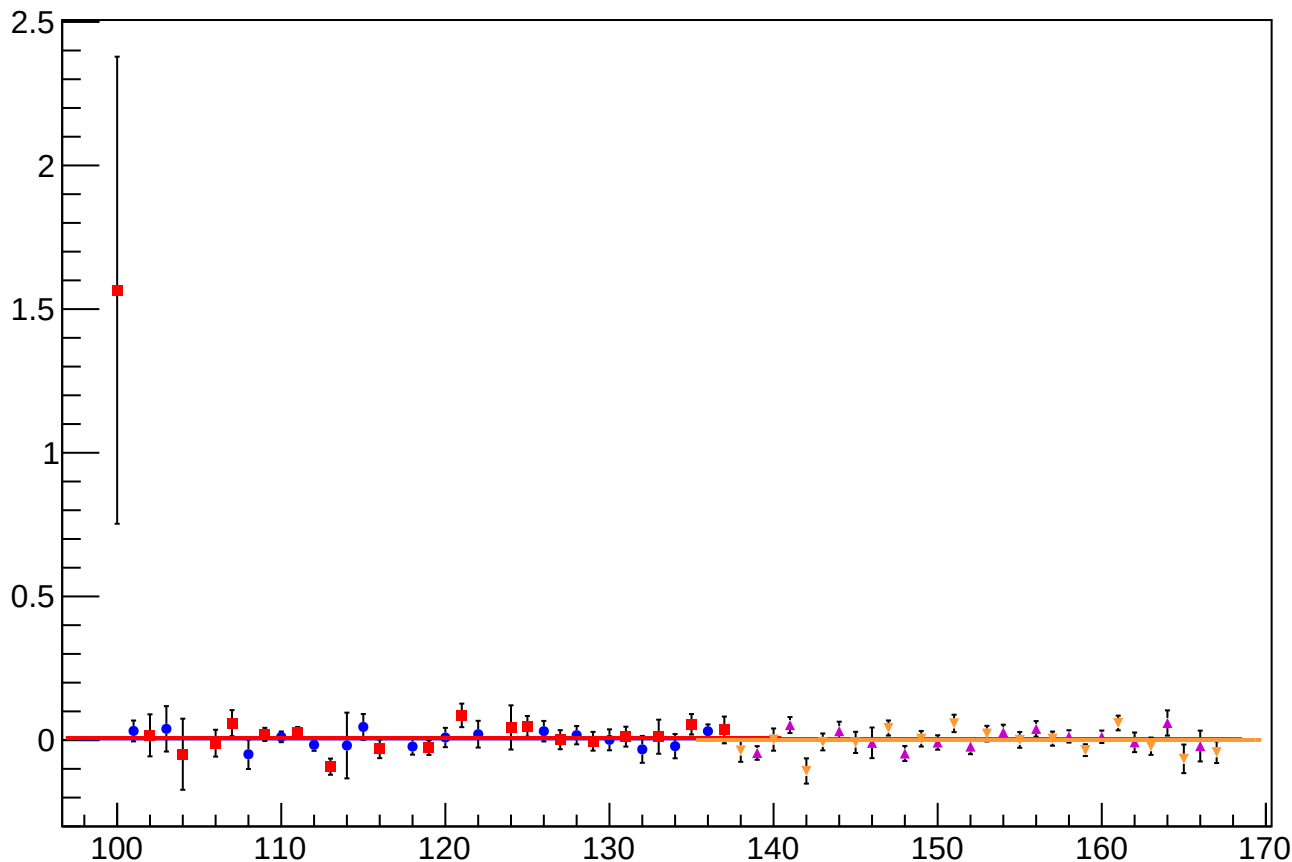
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 920191.9/13

+ sign 23.039 $\pm$ 0.004 χ^2 /NDF: 2885651.0/31

All: 22.734 $\pm$ 0.003 χ^2 /NDF: 5881176.7/64

- sign 22.426 $\pm$ 0.004 χ^2 /NDF: 2983152.9/32

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF:25.6/15

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

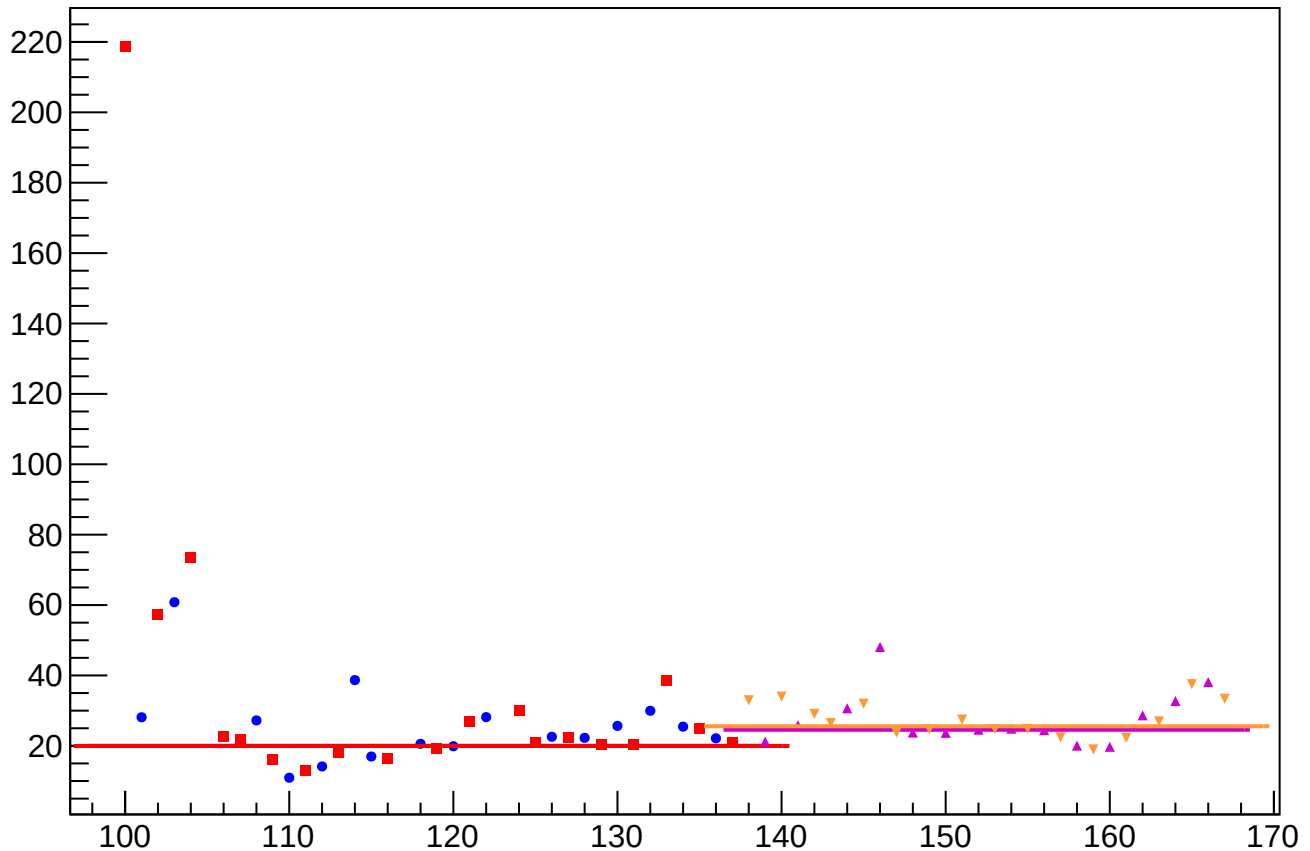
Left In: 0.004 $\pm$ 0.008 χ^2 /NDF:17.6/13

+ sign 0.003 $\pm$ 0.006 χ^2 /NDF: 33.7/31

All: 0.004 $\pm$ 0.004 χ^2 /NDF: 81.3/64

- sign 0.005 $\pm$ 0.006 χ^2 /NDF: 47.5/32

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2 /NDF: 1641371.9/15

Left Out: 25.566+/-0.005 χ^2 /NDF: 737214.9/15

Right Out: 19.963+/-0.006 χ^2 /NDF: 1716895.2/18

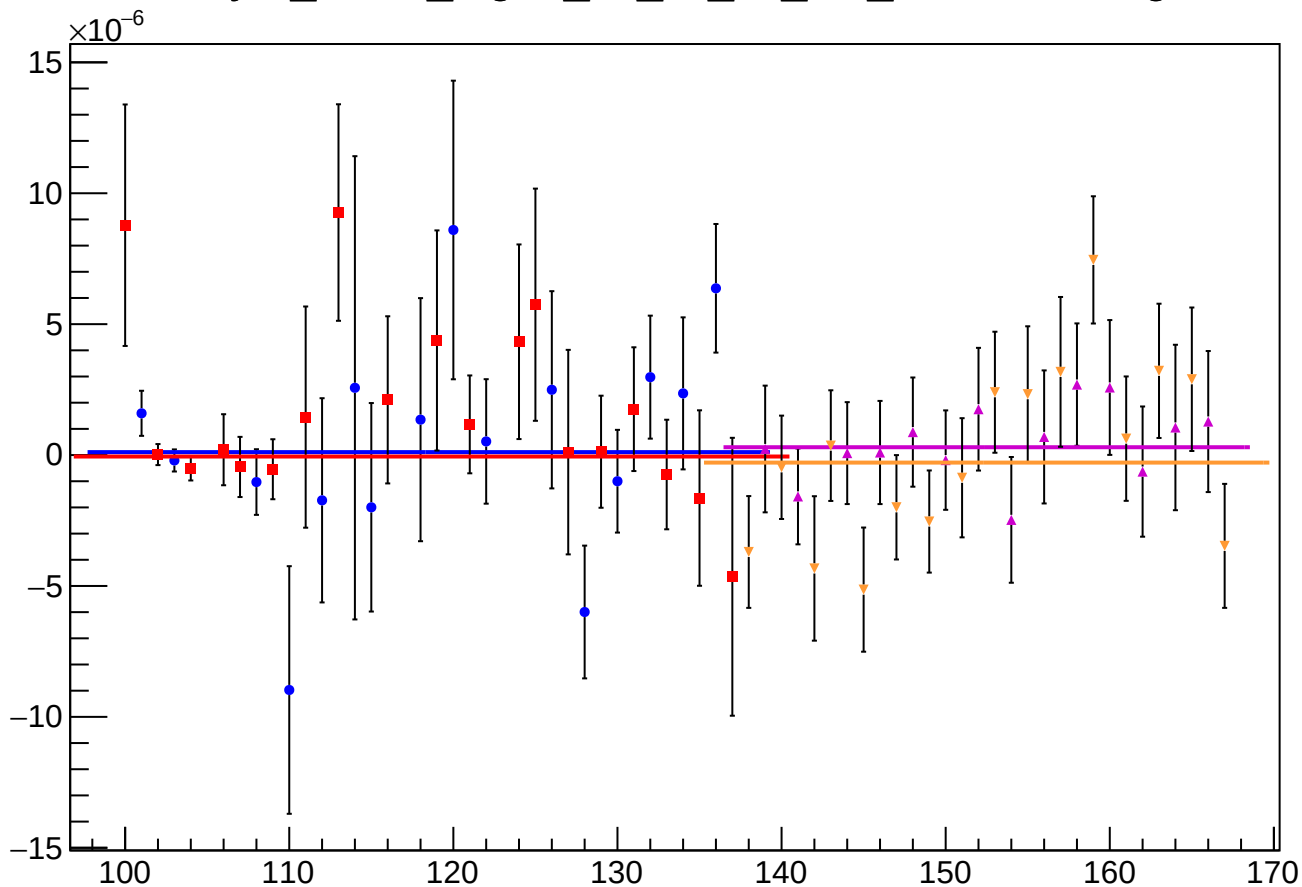
Left In: 24.565+/-0.005 χ^2 /NDF: 920191.9/13

+ sign 23.039+/-0.004 χ^2 /NDF: 2885651.0/31

All: 22.734+/-0.003 χ^2 /NDF: 5881176.7/64

- sign 22.426+/-0.004 χ^2 /NDF: 2983152.9/32

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 30.3/15

Right Out: -0.000+/-0.000 χ^2/NDF : 17.1/18

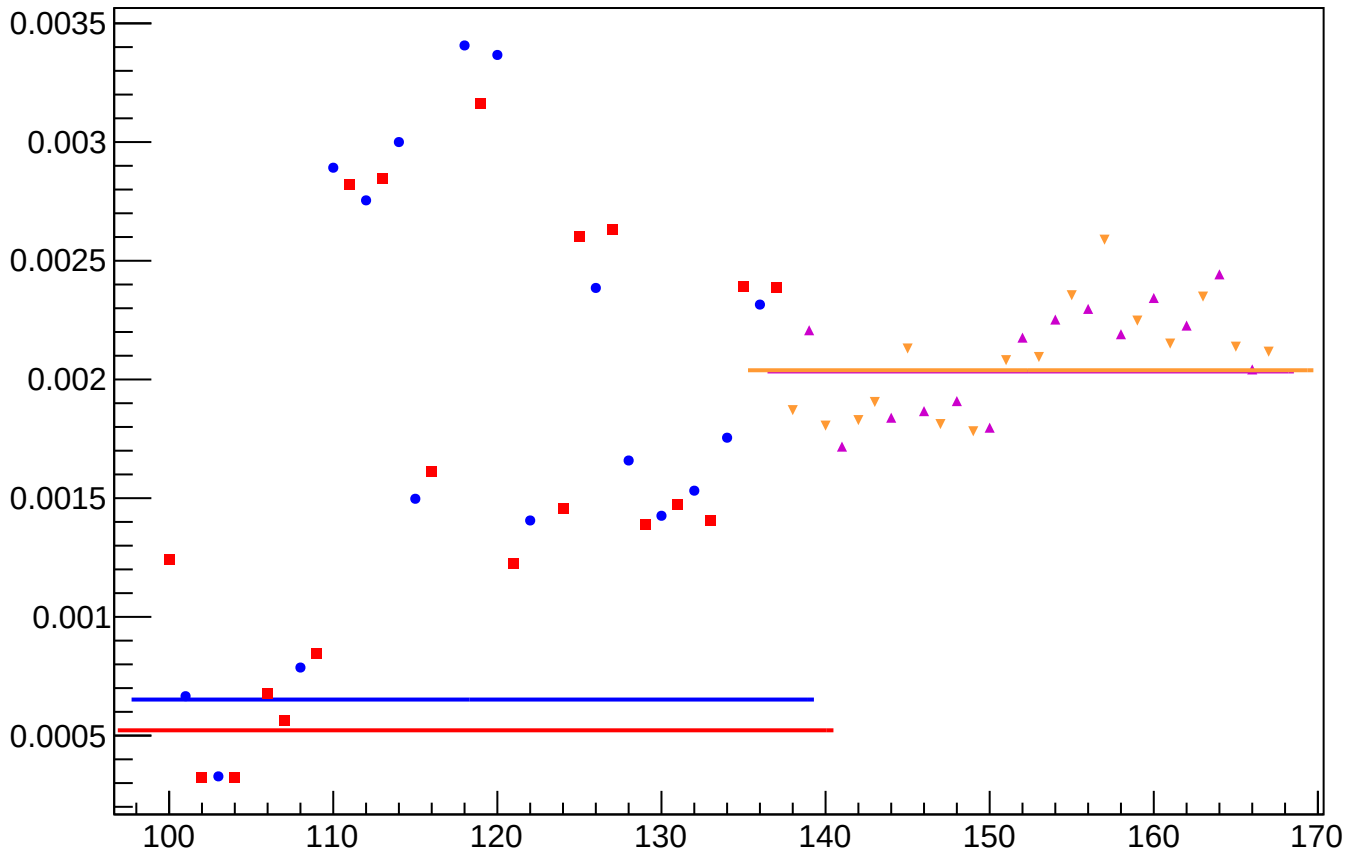
Left In: 0.000+/-0.000 χ^2/NDF : 5.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 56.7/31

All: 0.000+/-0.000 χ^2/NDF : 79.2/64

- sign -0.000+/-0.000 χ^2/NDF : 22.5/32

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 :282284.1/15

Right Out: 0.001+/-0.000 χ^2/NDF : 6676790.5/18

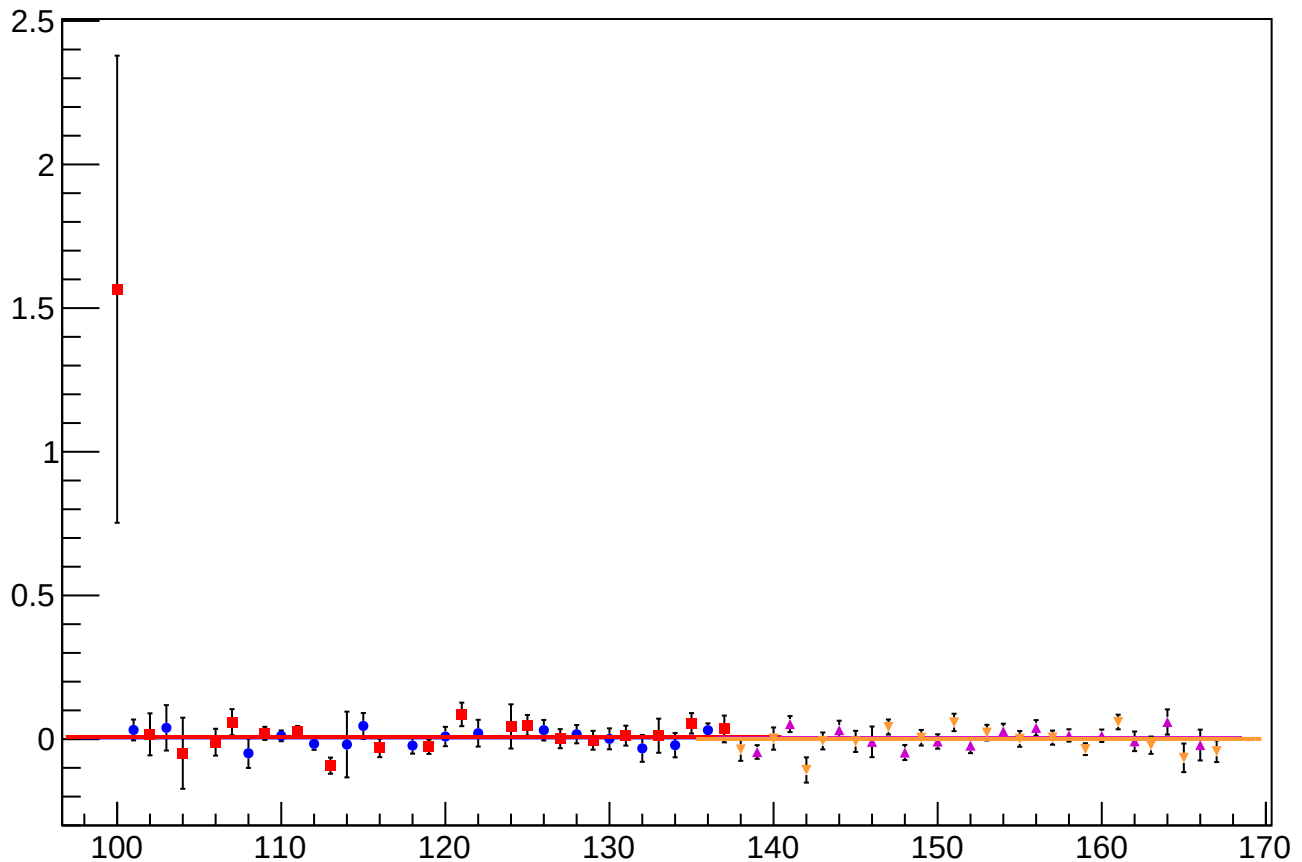
Left In: 0.002+/-0.000 χ^2/NDF :271780.8/13

+ sign 0.001+/-0.000 χ^2/NDF : 15262683.1/31

All: 0.001+/-0.000 χ^2/NDF : 33584990.9/64

- sign 0.001+/-0.000 χ^2/NDF : 17514417.8/32

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF:25.6/15

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

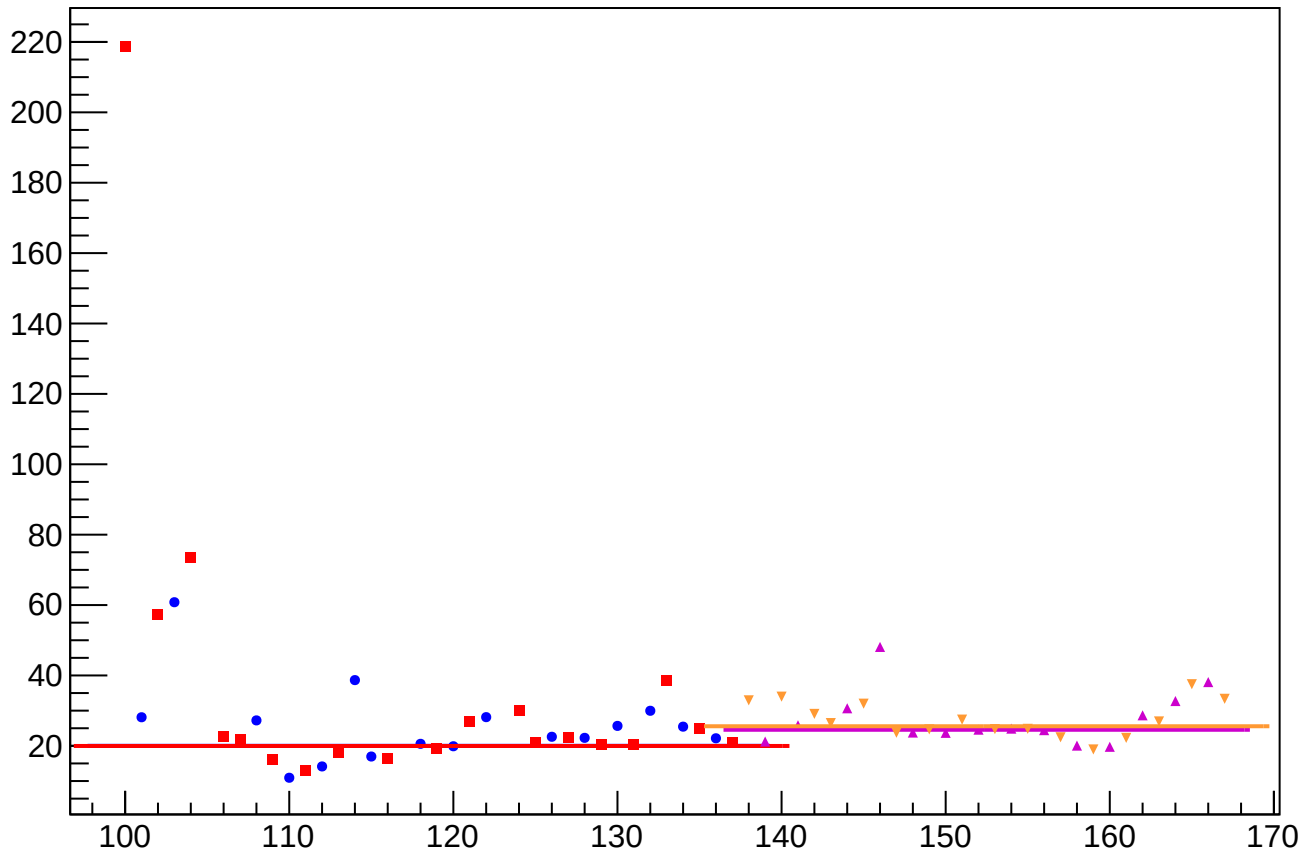
Left In: 0.004 $\pm$ 0.008 χ^2 /NDF:17.6/13

+ sign 0.003 $\pm$ 0.006 χ^2 /NDF: 33.7/31

All: 0.004 $\pm$ 0.004 χ^2 /NDF: 81.3/64

- sign 0.005 $\pm$ 0.006 χ^2 /NDF: 47.5/32

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: 25.565 $\pm$ 0.005 χ^2 /NDF: 737259.0/15

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716830.0/18

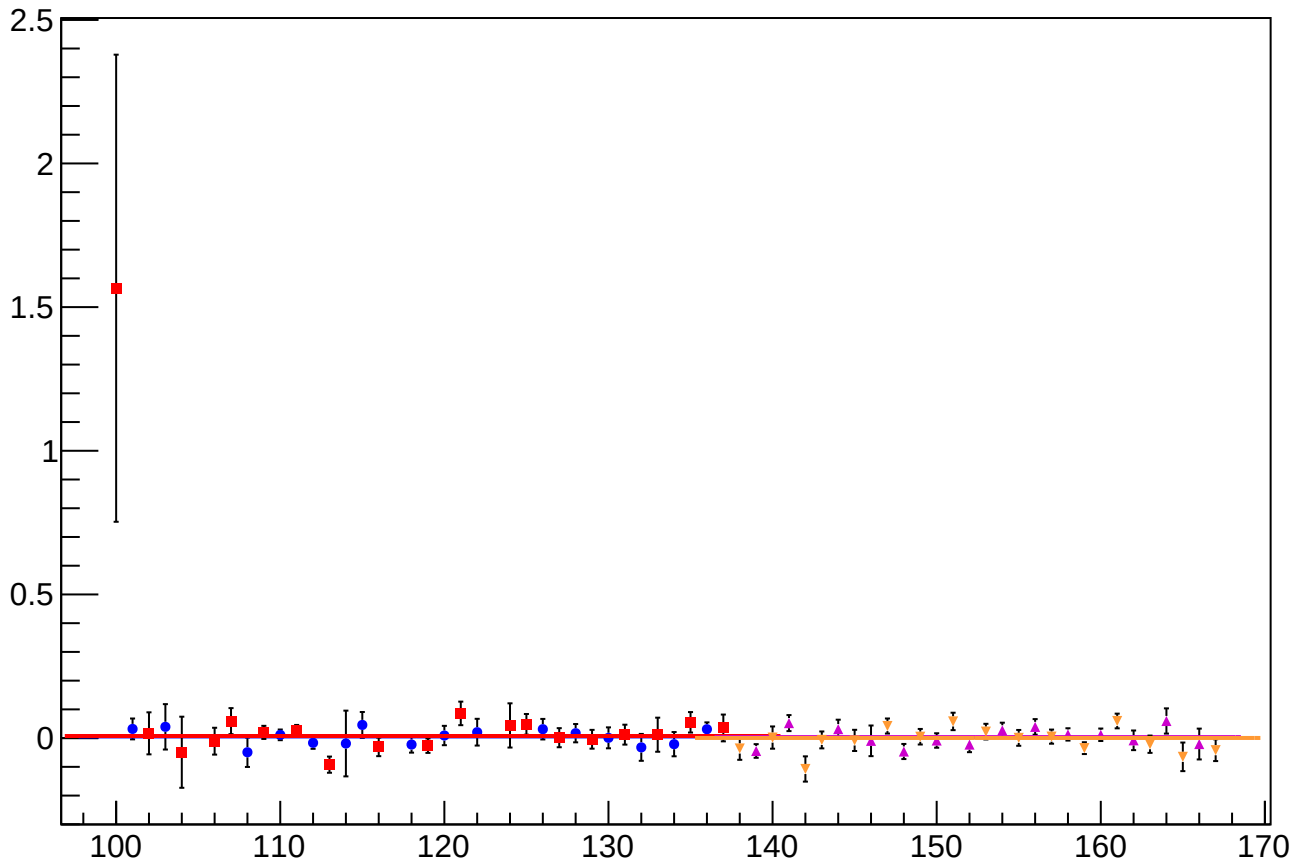
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 920232.8/13

+ sign 23.040 $\pm$ 0.004 χ^2 /NDF: 2885418.6/31

All: 22.734 $\pm$ 0.003 χ^2 /NDF: 5880894.7/64

- sign 22.426 $\pm$ 0.004 χ^2 /NDF: 2983094.9/32

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF:25.6/15

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

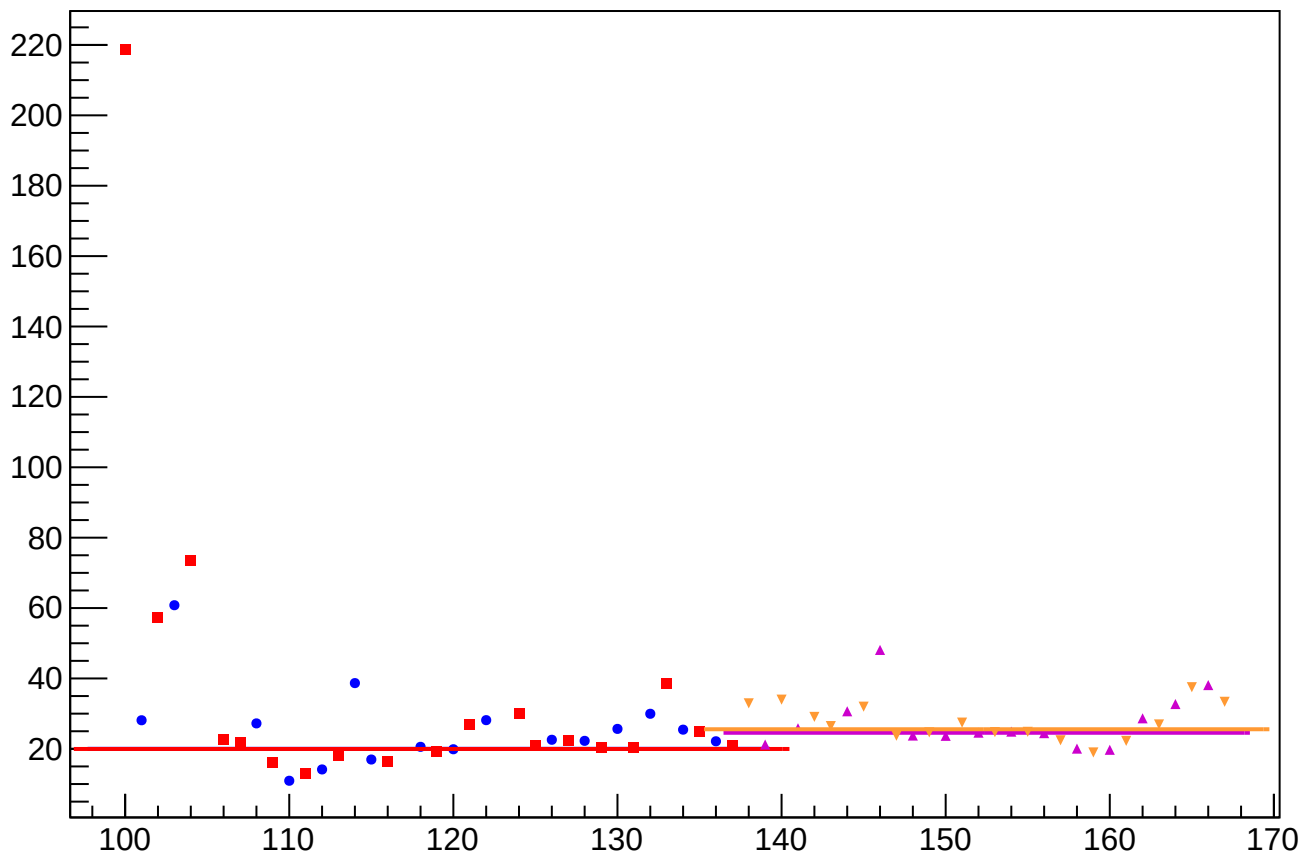
Left In: 0.004 $\pm$ 0.008 χ^2 /NDF:17.6/13

+ sign 0.003 $\pm$ 0.006 χ^2 /NDF: 33.7/31

All: 0.004 $\pm$ 0.004 χ^2 /NDF: 81.3/64

- sign 0.005 $\pm$ 0.006 χ^2 /NDF: 47.5/32

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: 25.565 $\pm$ 0.005 χ^2/NDF : 737259.0/15

Right Out: 19.963 $\pm$ 0.006 χ^2/NDF : 1716830.0/18

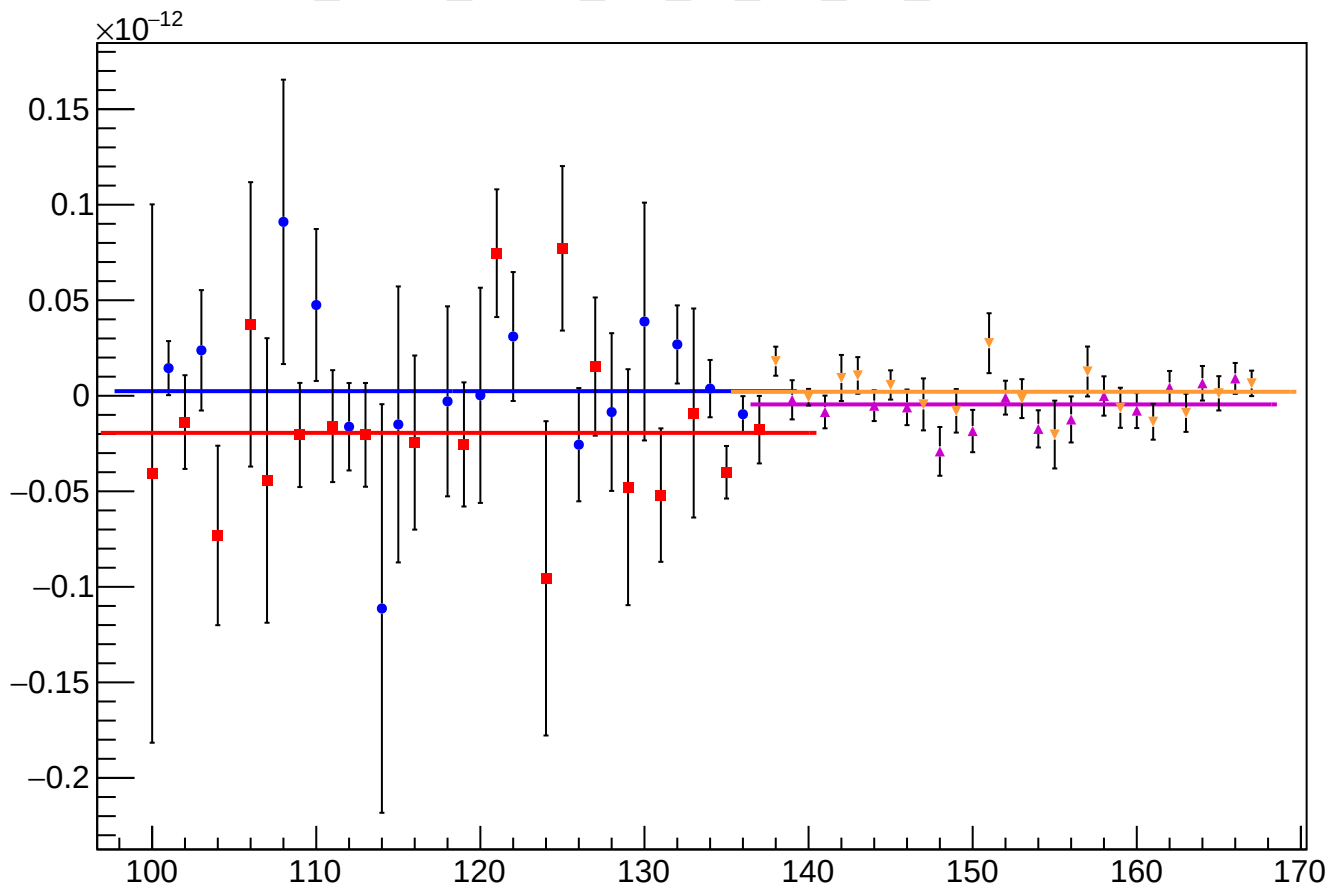
Left In: 24.565 $\pm$ 0.005 χ^2/NDF : 920232.8/13

+ sign 23.040 $\pm$ 0.004 χ^2/NDF : 2885418.6/31

All: 22.734 $\pm$ 0.003 χ^2/NDF : 5880894.7/64

- sign 22.426 $\pm$ 0.004 χ^2/NDF : 2983094.9/32

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 : 17.3/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.2/18

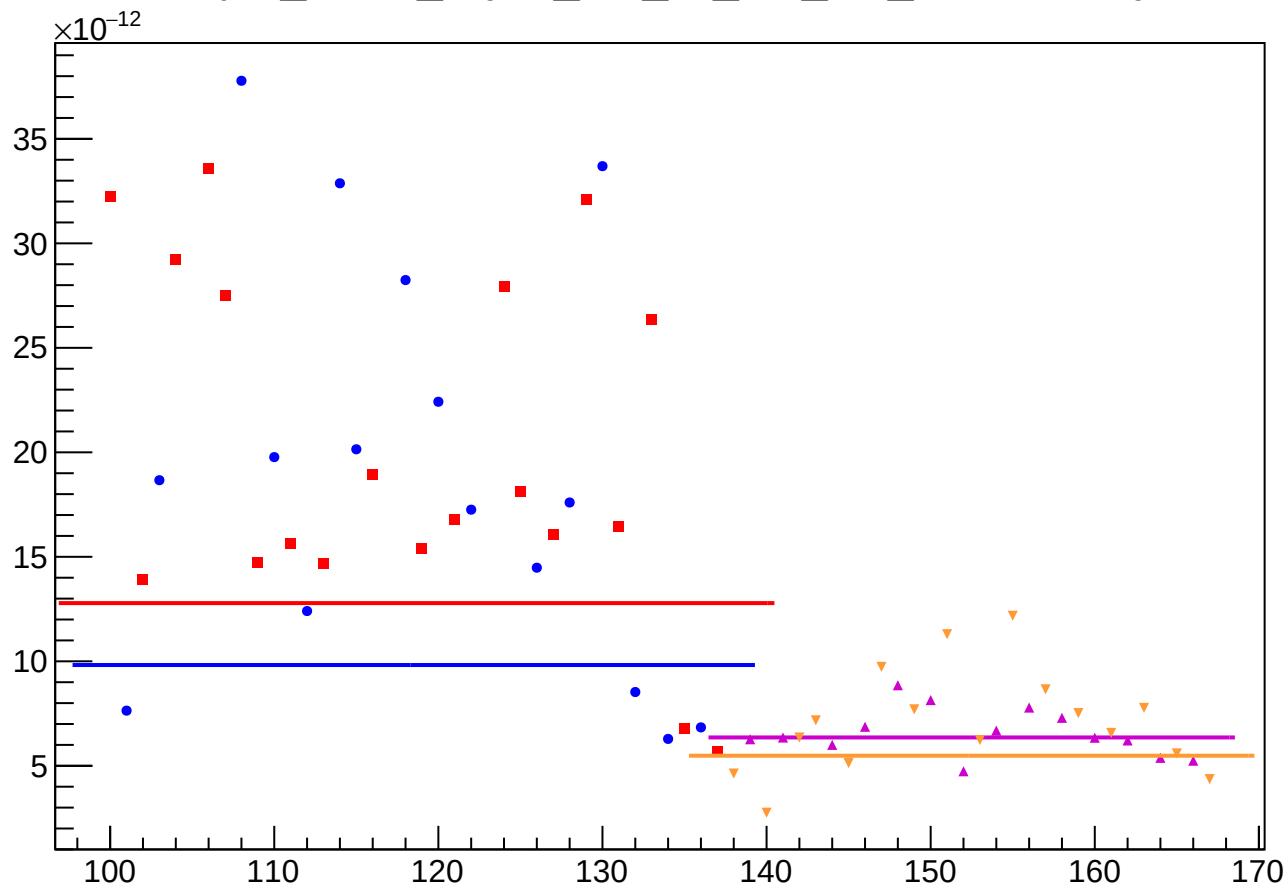
Left In: -0.000 ± 0.000 χ^2/NDF : 13.6/13

+ sign 0.000 ± 0.000 χ^2/NDF : 28.2/31

All: -0.000 ± 0.000 χ^2/NDF : 73.1/64

- sign -0.000 ± 0.000 χ^2/NDF : 37.8/32

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 : 2116240.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1798852.4/18

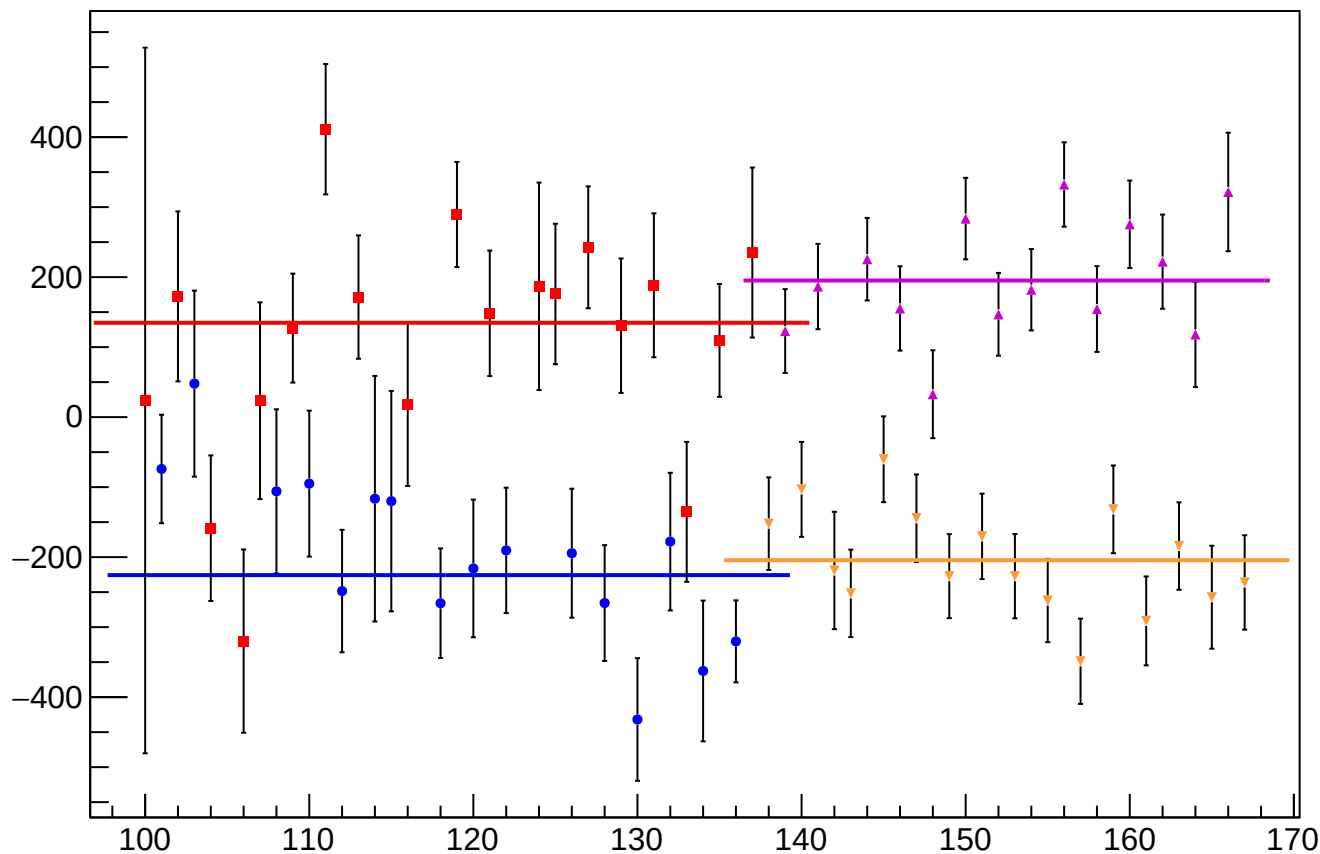
Left In: 0.000+/-0.000 χ^2/NDF : 314044.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 5098171.8/31

All: 0.000+/-0.000 χ^2/NDF : 8902435.2/64

- sign 0.000+/-0.000 χ^2/NDF : 3584085.7/32

reg_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -204.352 ± 15.999 χ^2/NDF : 21.1/15

Right Out: 134.762 ± 23.192 χ^2/NDF : 45.3/18

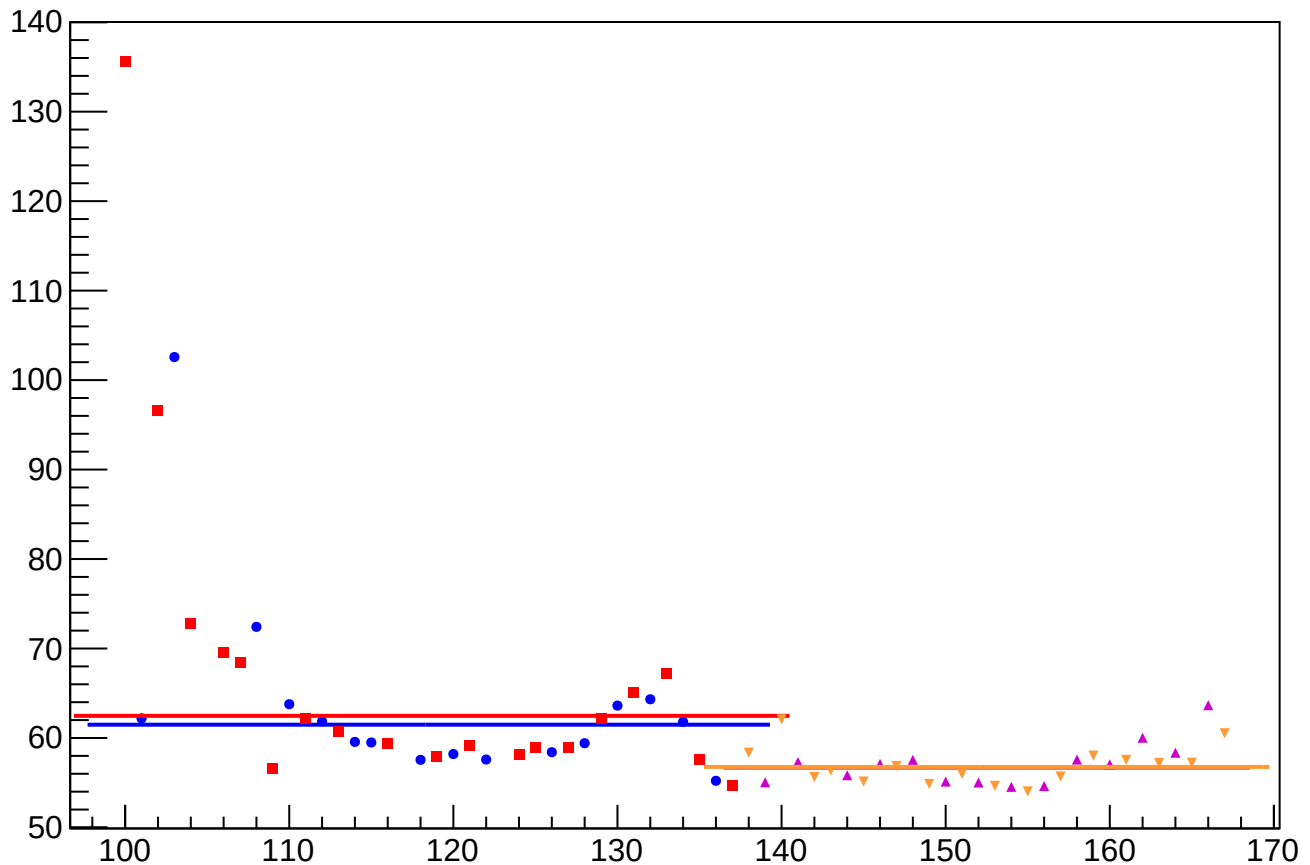
Left In: 195.151 ± 16.719 χ^2/NDF : 22.6/13

+ sign -211.263 ± 13.156 χ^2/NDF : 44.3/31

All: -24.239 ± 9.443 χ^2/NDF : 533.5/64

- sign 174.500 ± 13.562 χ^2/NDF : 72.3/32

reg_asym_sam8_rms vs Slug



Right In: 61.486 ± 0.016 χ^2/NDF : 250669.2/15

Left Out: 56.767 ± 0.011 χ^2/NDF : 32529.9/15

Right Out: 62.476 ± 0.016 χ^2/NDF : 281148.3/18

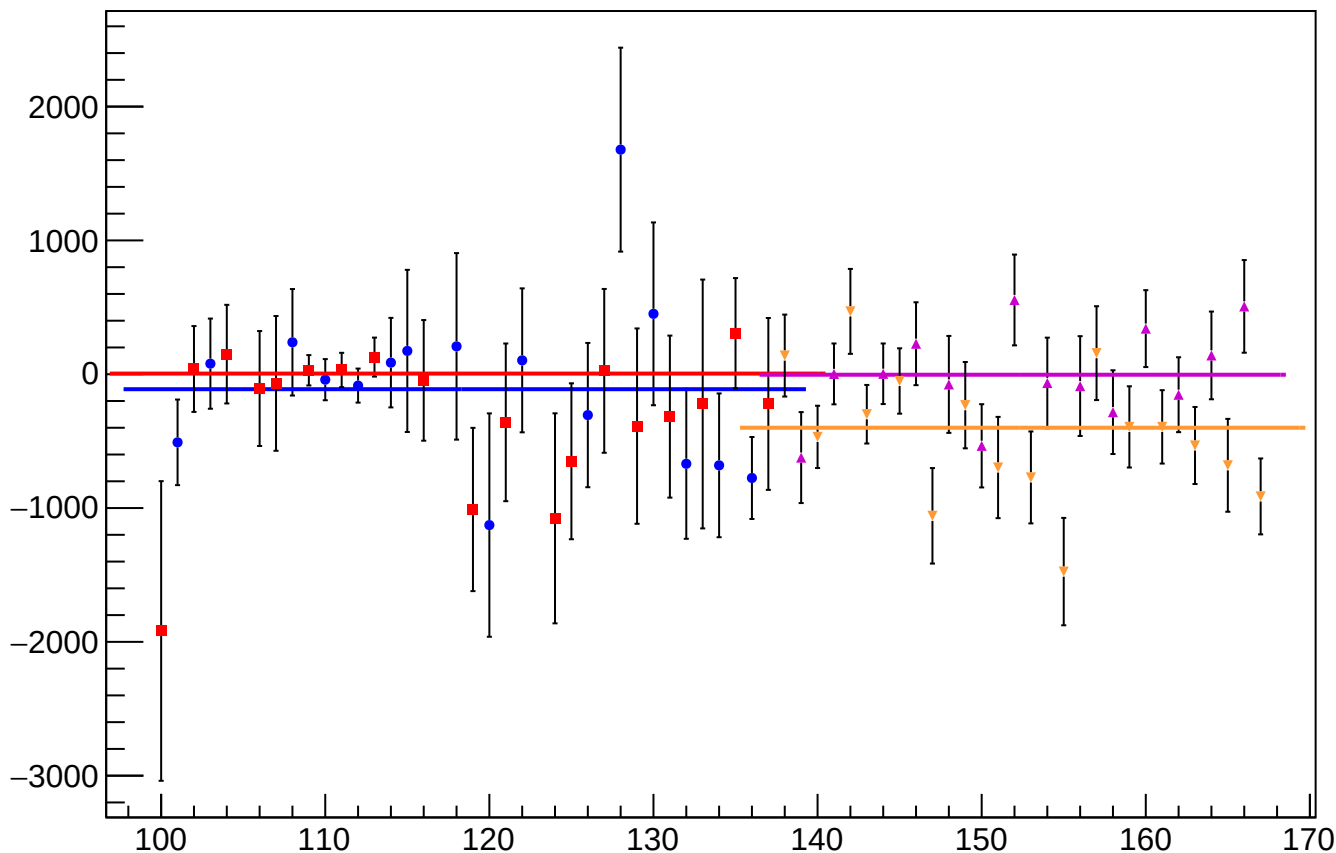
Left In: 56.692 ± 0.012 χ^2/NDF : 30666.2/13

+ sign 58.295 ± 0.009 χ^2/NDF : 339535.5/31

All: 58.477 ± 0.007 χ^2/NDF : 733991.6/64

- sign 58.670 ± 0.010 χ^2/NDF : 393670.9/32

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885 ± 76.212 χ^2/NDF : 18.5/15

Left Out: -399.740 ± 74.350 χ^2/NDF : 32.3/15

Right Out: 4.893 ± 63.933 χ^2/NDF : 11.6/18

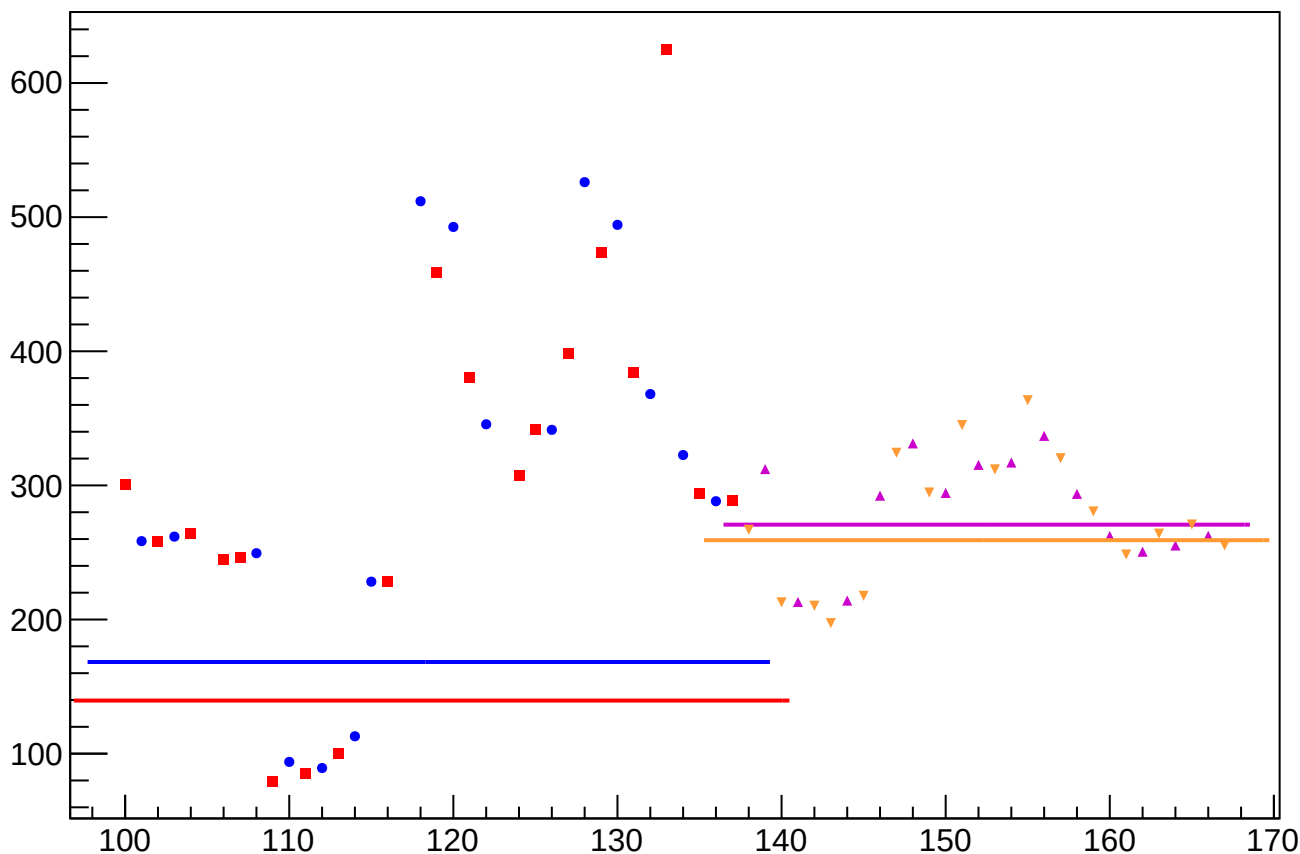
Left In: -3.801 ± 80.789 χ^2/NDF : 14.5/13

+ sign -259.373 ± 53.220 χ^2/NDF : 58.0/31

All: -121.131 ± 36.492 χ^2/NDF : 96.9/64

- sign 1.545 ± 50.134 χ^2/NDF : 26.2/32

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544046.8/15

Left Out: 259.144+/-0.053 χ^2/NDF : 798360.9/15

Right Out: 139.594+/-0.045 χ^2/NDF : 5154153.5/18

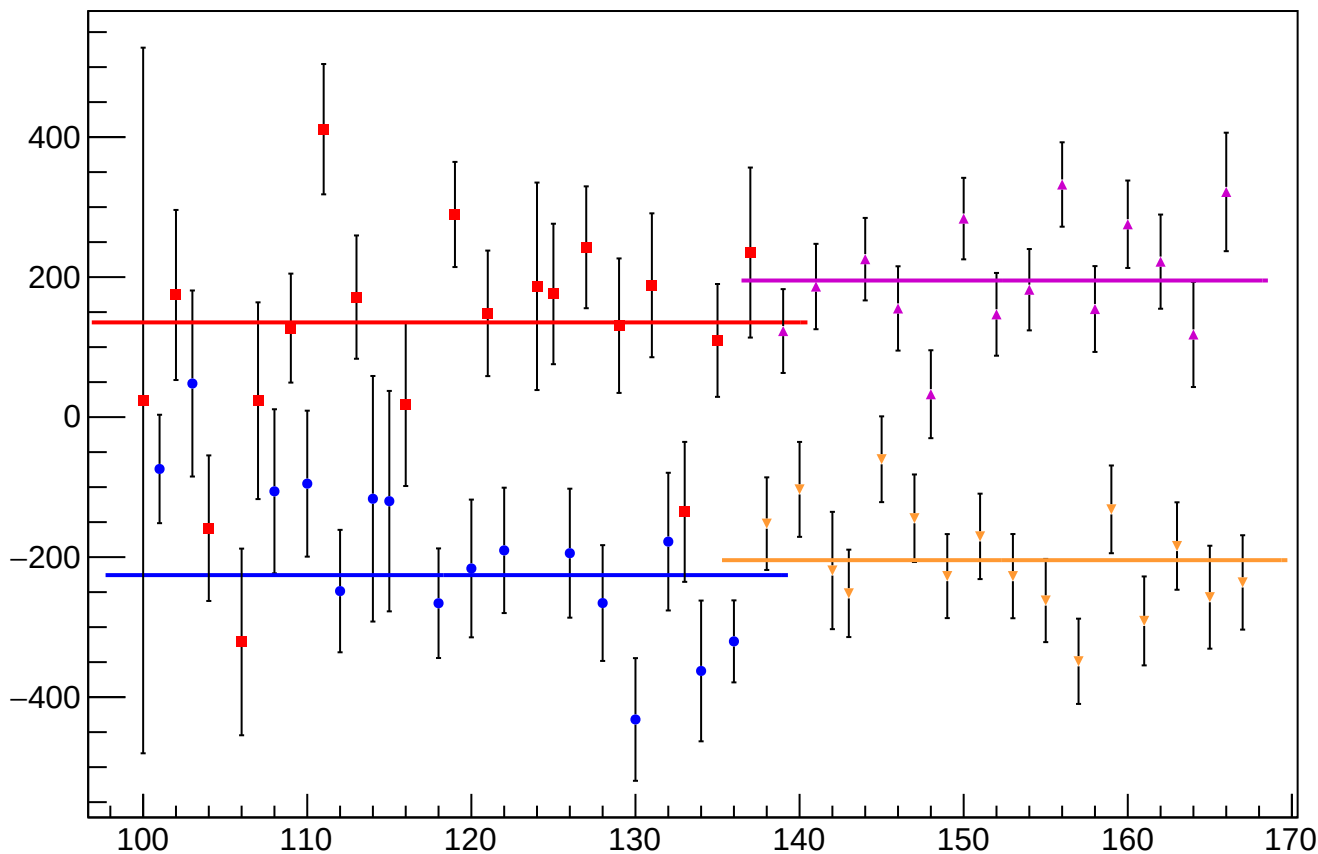
Left In: 270.732+/-0.057 χ^2/NDF : 524012.3/13

+ sign 214.860+/-0.038 χ^2/NDF : 6797442.4/31

All: 201.738+/-0.026 χ^2/NDF : 15945502.3/64

- sign 190.093+/-0.035 χ^2/NDF : 8918554.4/32

cor_asym_sam8_mean vs Slug



Right In: -225.692 $\pm$ 23.118 χ^2 /NDF: 22.6/15

Left Out: -204.349 $\pm$ 15.999 χ^2 /NDF:21.1/15

Right Out: 135.311 $\pm$ 23.205 χ^2 /NDF: 44.9/18

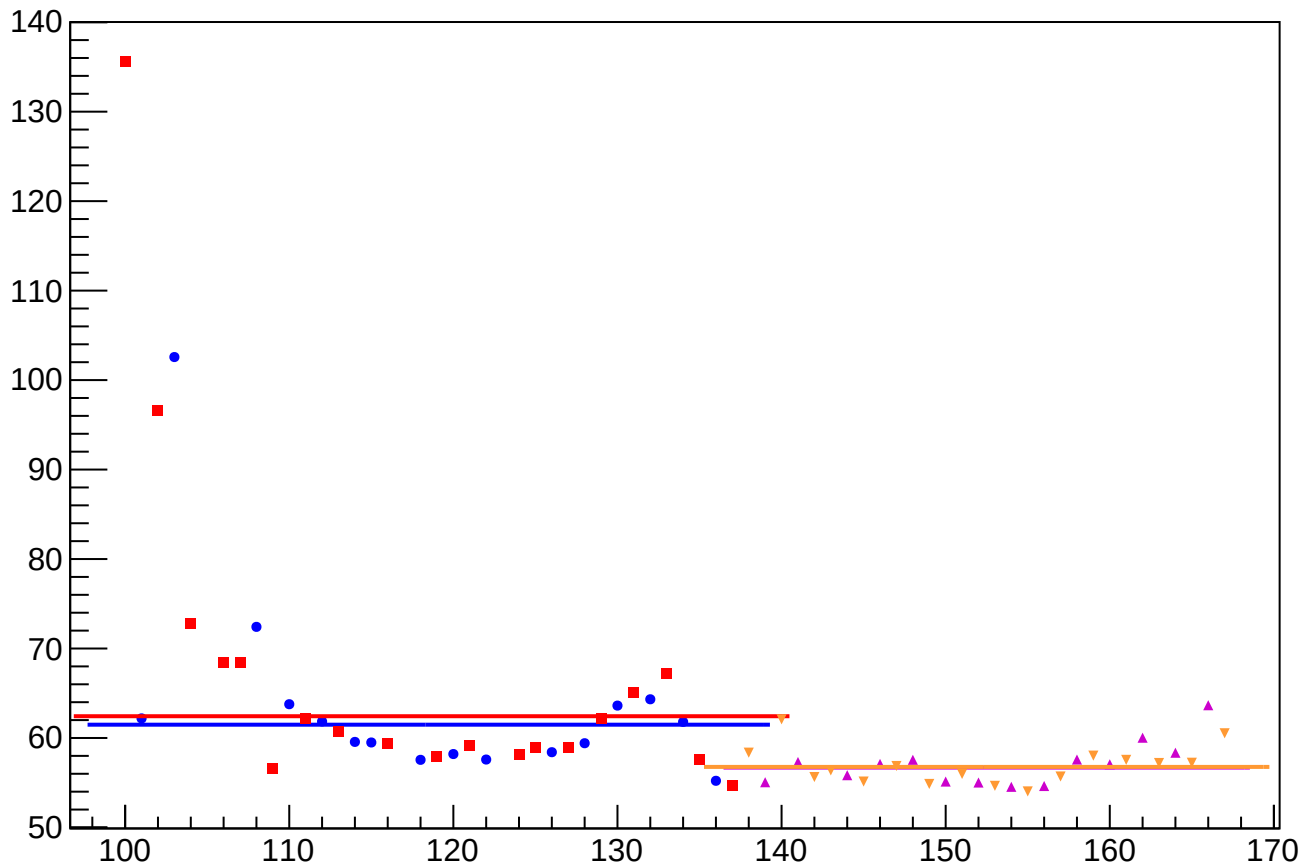
Left In: 195.152 $\pm$ 16.719 χ^2 /NDF:22.6/13

+ sign -211.261 $\pm$ 13.156 χ^2 /NDF: 44.3/31

All: -24.178 $\pm$ 9.444 χ^2 /NDF: 533.4/64

- sign 174.704 $\pm$ 13.565 χ^2 /NDF: 71.9/32

cor_asym_sam8_rms vs Slug



Right In: 61.486 ± 0.016 χ^2/NDF : 250671.7/15

Left Out: 56.767 ± 0.011 χ^2/NDF : 32529.9/15

Right Out: 62.433 ± 0.016 χ^2/NDF : 279408.8/18

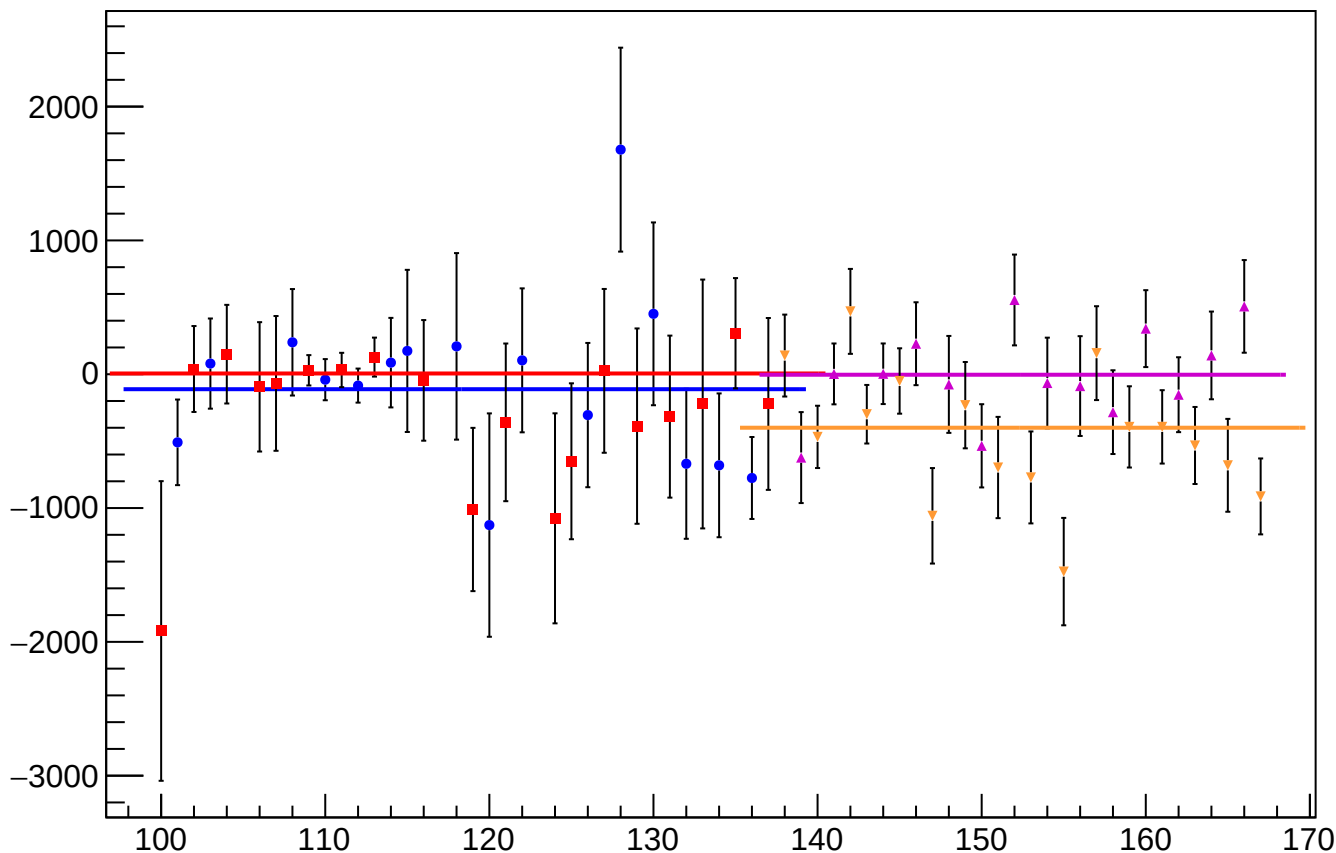
Left In: 56.692 ± 0.012 χ^2/NDF : 30666.2/13

+ sign 58.295 ± 0.009 χ^2/NDF : 339538.1/31

All: 58.469 ± 0.007 χ^2/NDF : 730911.9/64

- sign 58.654 ± 0.010 χ^2/NDF : 390655.3/32

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866 ± 76.213 χ^2/NDF : 18.5/15

Left Out: -399.736 ± 74.350 χ^2/NDF : 32.3/15

Right Out: 5.616 ± 64.085 χ^2/NDF : 11.6/18

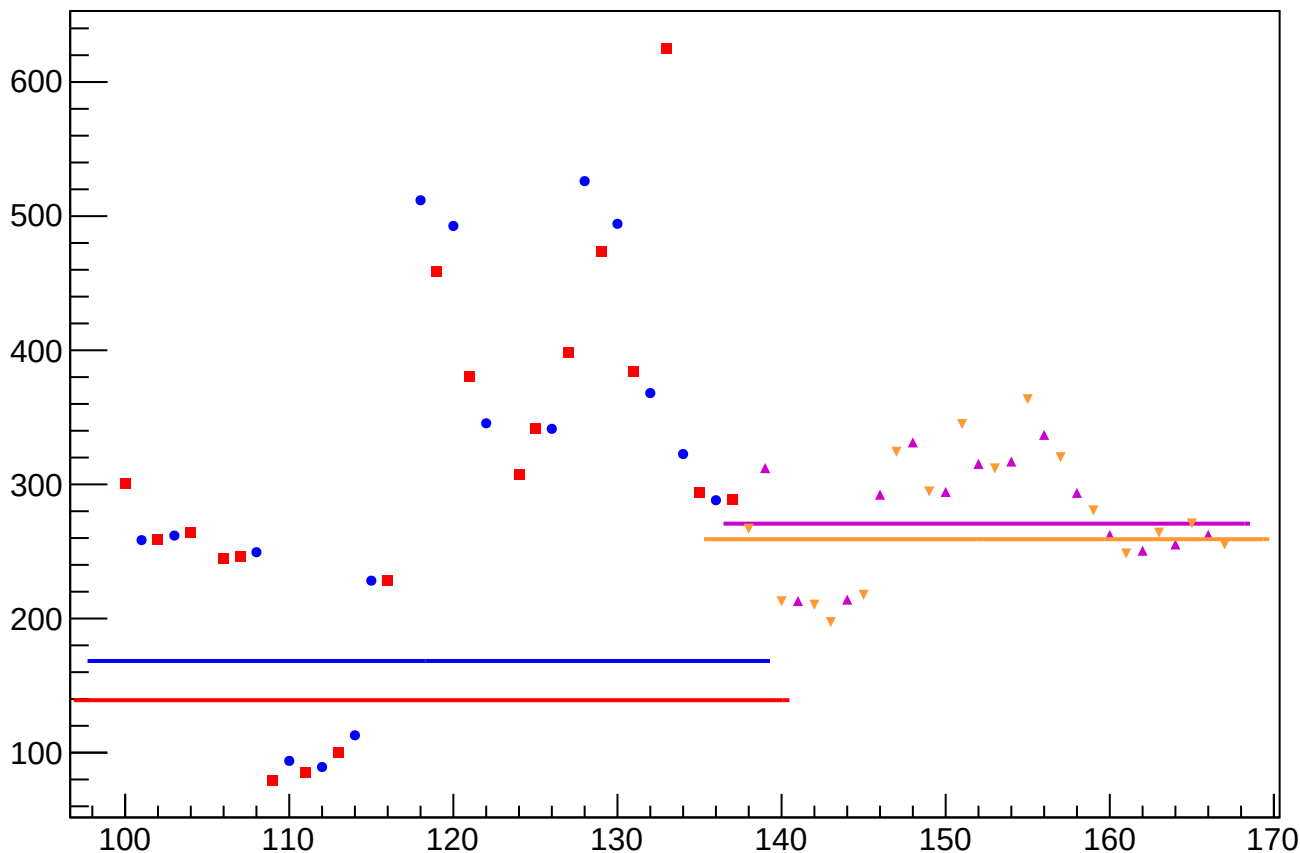
Left In: -3.797 ± 80.789 χ^2/NDF : 14.5/13

+ sign -259.363 ± 53.220 χ^2/NDF : 58.0/31

All: -121.085 ± 36.520 χ^2/NDF : 96.9/64

- sign 1.981 ± 50.207 χ^2/NDF : 26.1/32

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF : 798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

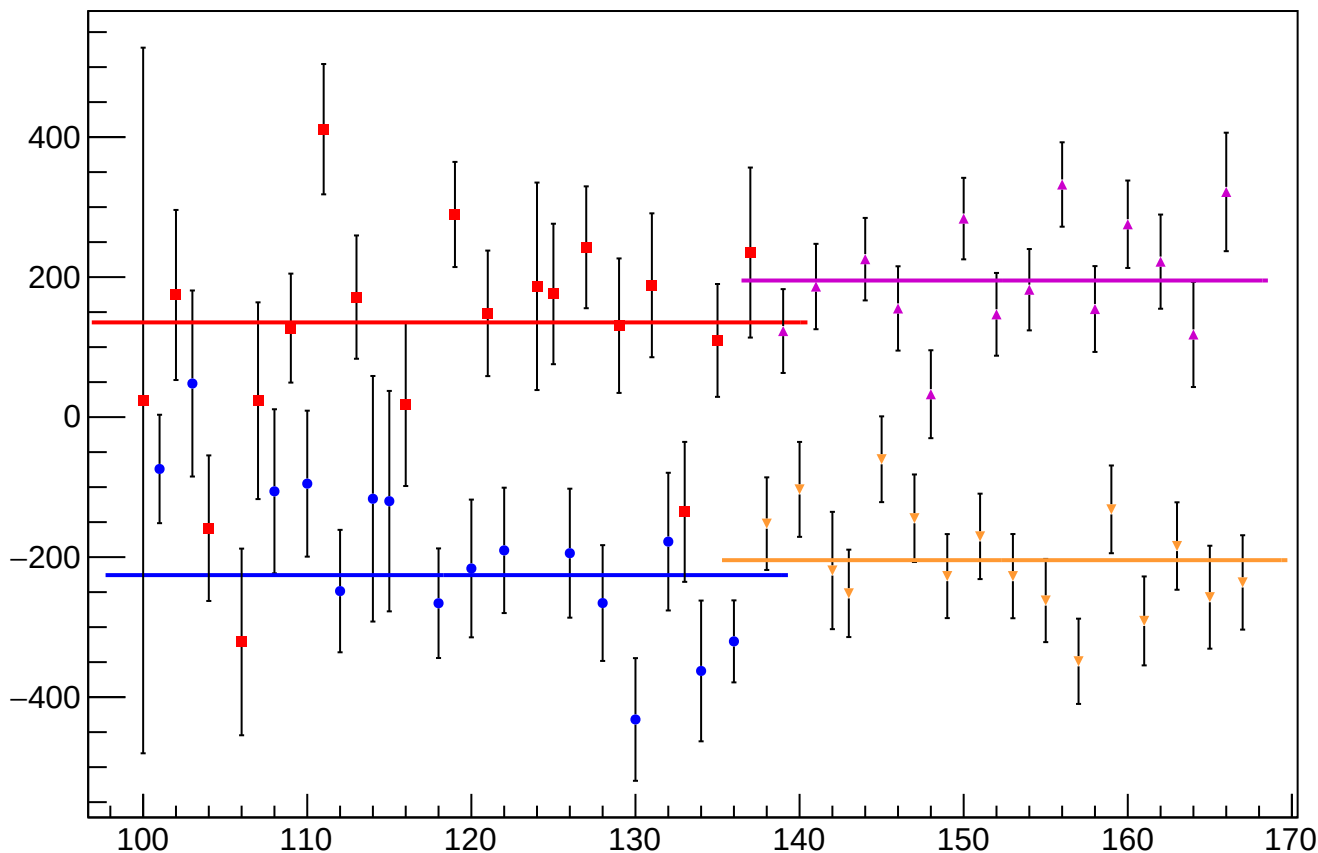
Left In: 270.732+/-0.057 χ^2/NDF : 524010.9/13

+ sign 214.860+/-0.038 χ^2/NDF : 6797478.3/31

All: 201.675+/-0.026 χ^2/NDF : 15942135.1/64

- sign 189.940+/-0.036 χ^2/NDF : 8912634.4/32

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -204.349 ± 15.999 χ^2/NDF : 21.1/15

Right Out: 135.311 ± 23.205 χ^2/NDF : 44.9/18

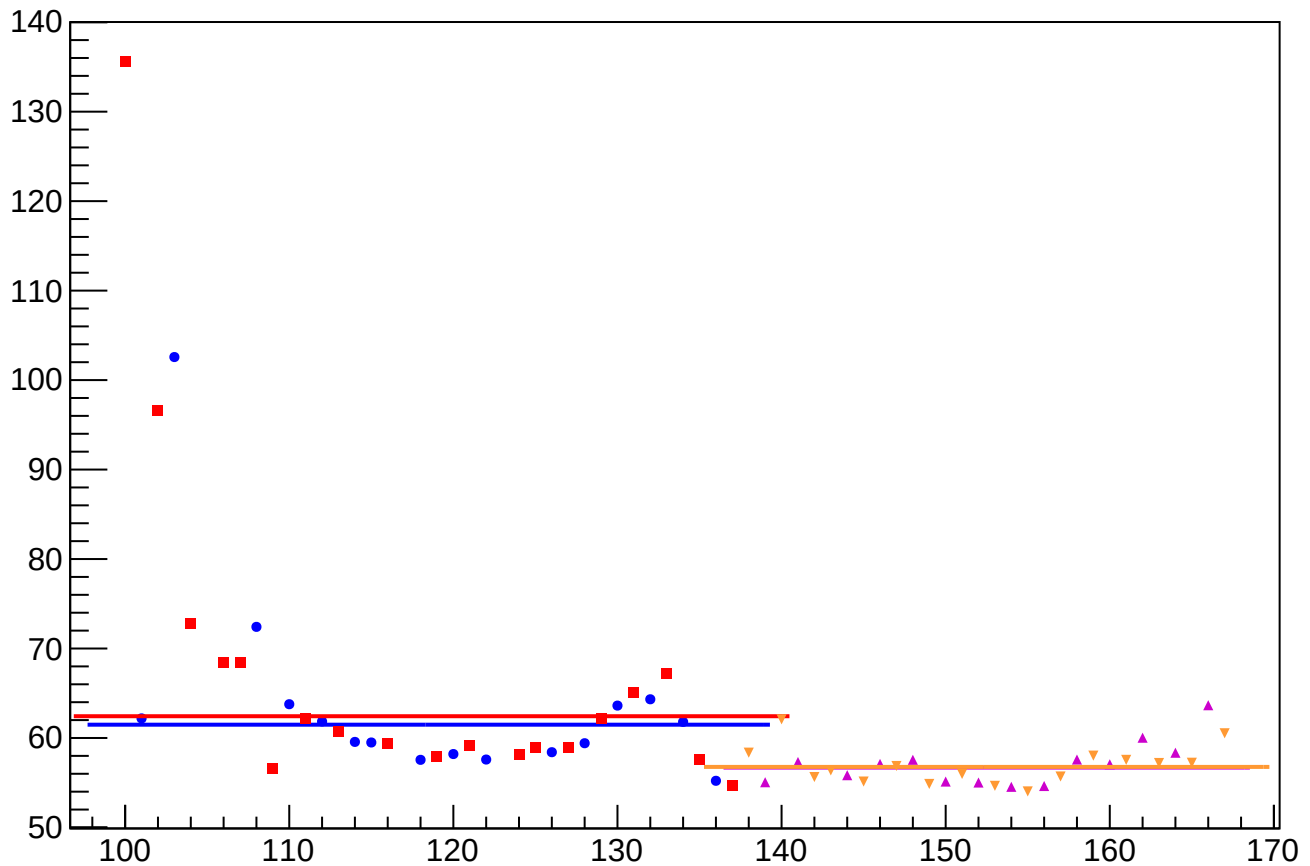
Left In: 195.152 ± 16.719 χ^2/NDF : 22.6/13

+ sign -211.261 ± 13.156 χ^2/NDF : 44.3/31

All: -24.178 ± 9.444 χ^2/NDF : 533.4/64

- sign 174.704 ± 13.565 χ^2/NDF : 71.9/32

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250671.7/15

Left Out: 56.767 $\pm$ 0.011 χ^2 /NDF:32529.9/15

Right Out: 62.433 $\pm$ 0.016 χ^2 /NDF: 279408.8/18

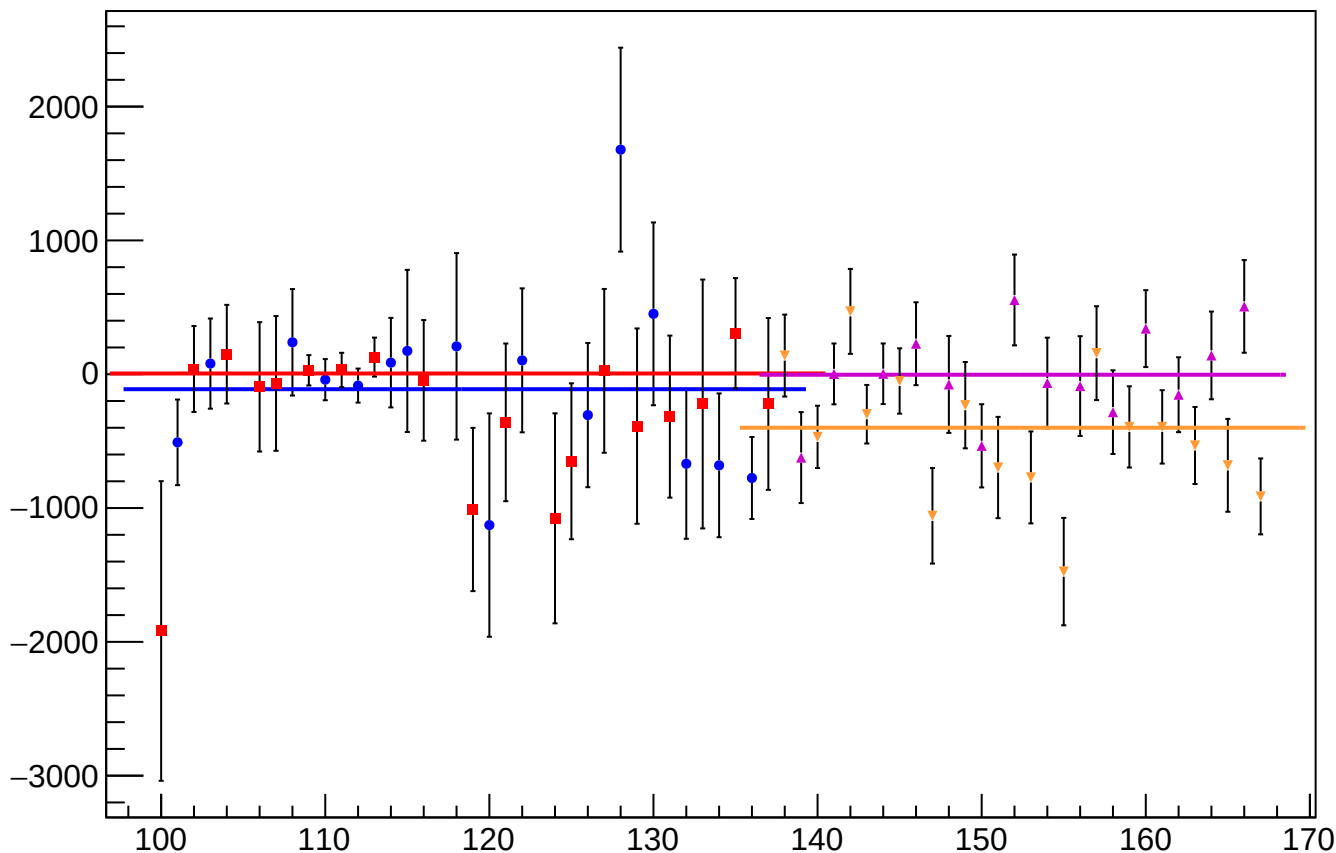
Left In: 56.692 $\pm$ 0.012 χ^2 /NDF:30666.2/13

+ sign 58.295 $\pm$ 0.009 χ^2 /NDF: 339538.1/31

All: 58.469 $\pm$ 0.007 χ^2 /NDF: 730911.9/64

- sign 58.654 $\pm$ 0.010 χ^2 /NDF: 390655.3/32

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF : 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF : 32.3/15

Right Out: 5.616+/-64.085 χ^2/NDF : 11.6/18

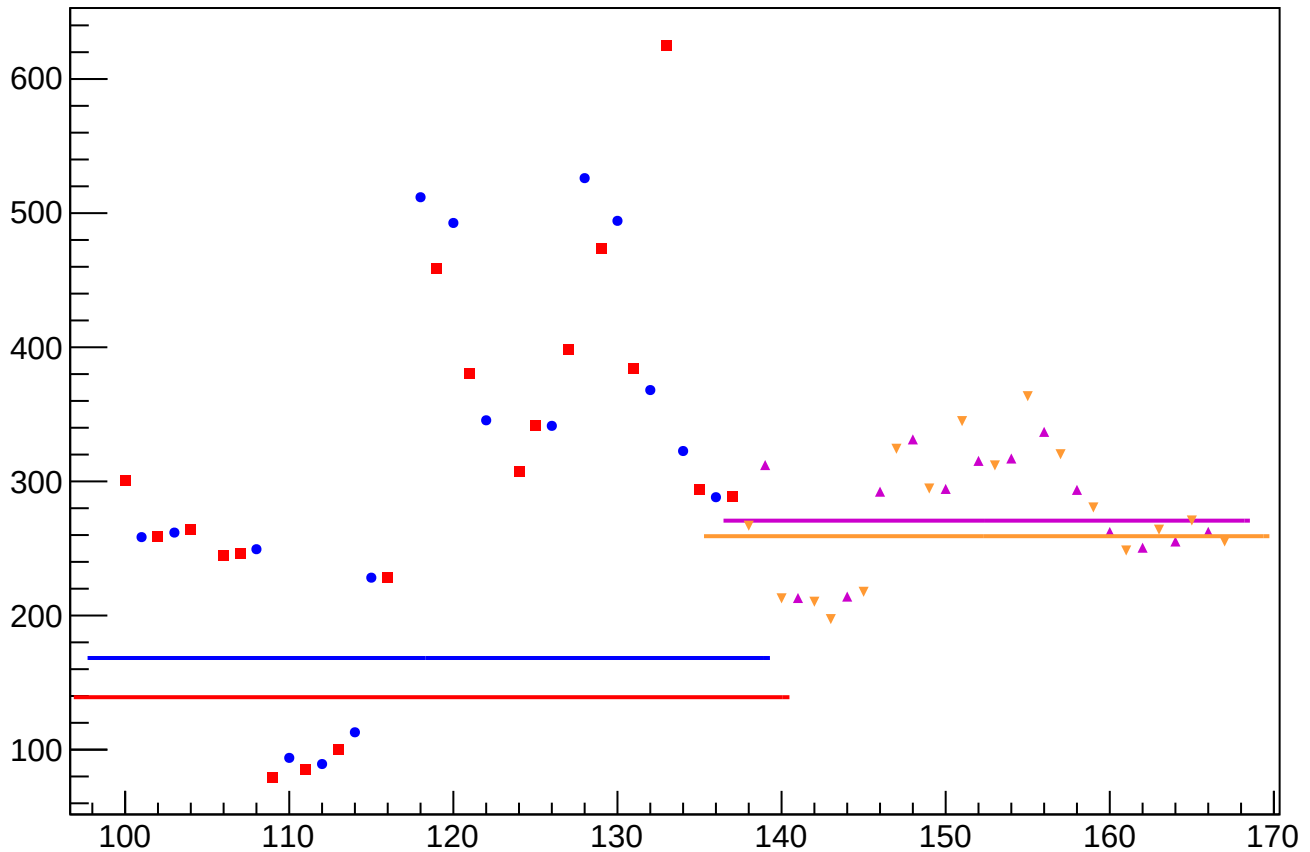
Left In: -3.797+/-80.789 χ^2/NDF : 14.5/13

+ sign -259.363+/-53.220 χ^2/NDF : 58.0/31

All: -121.085+/-36.520 χ^2/NDF : 96.9/64

- sign 1.981+/-50.207 χ^2/NDF : 26.1/32

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF : 798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

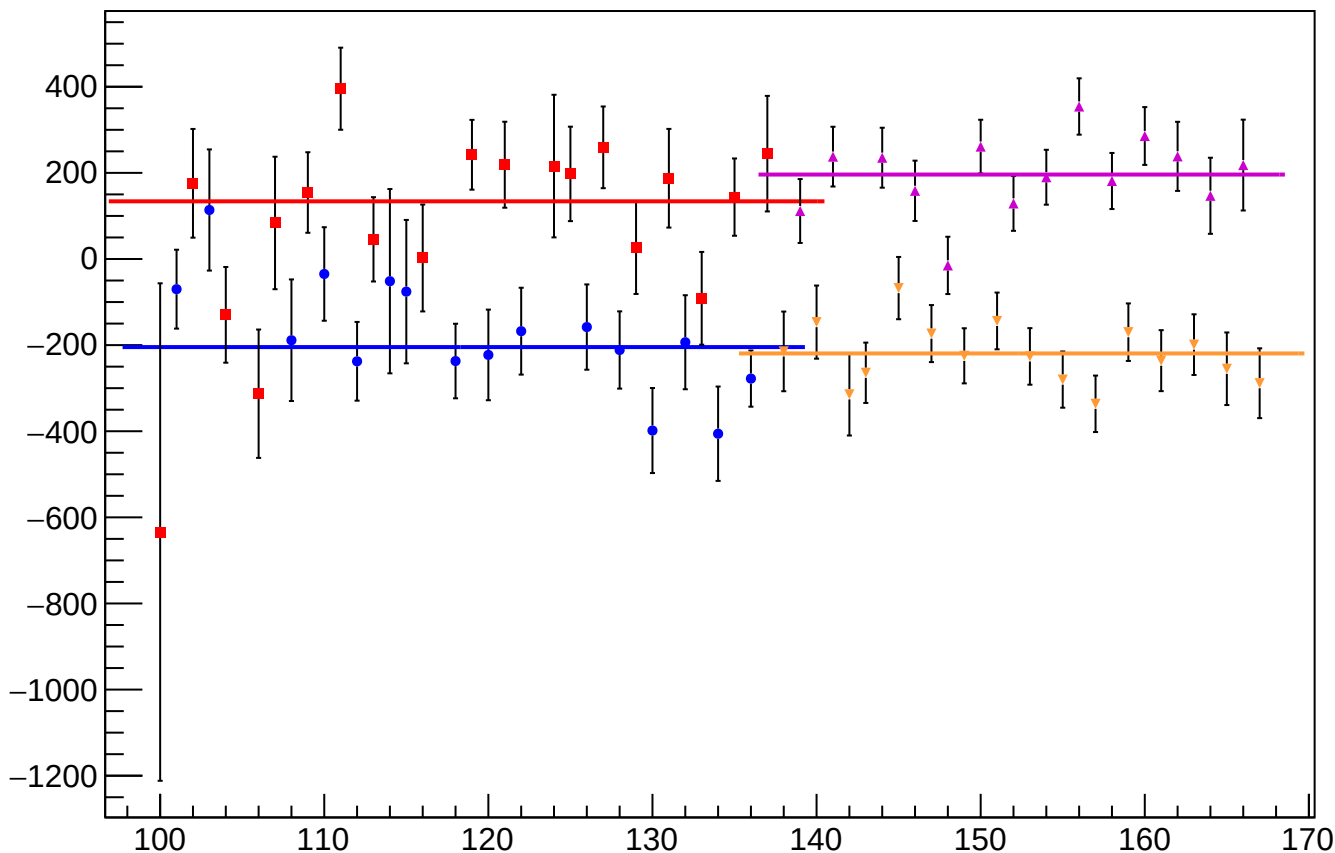
Left In: 270.732+/-0.057 χ^2/NDF : 524010.9/13

+ sign 214.860+/-0.038 χ^2/NDF : 6797478.3/31

All: 201.675+/-0.026 χ^2/NDF : 15942135.1/64

- sign 189.940+/-0.036 χ^2/NDF : 8912634.4/32

dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -219.346 ± 18.021 χ^2/NDF : 14.0/15

Right Out: 133.924 ± 25.484 χ^2/NDF : 37.2/18

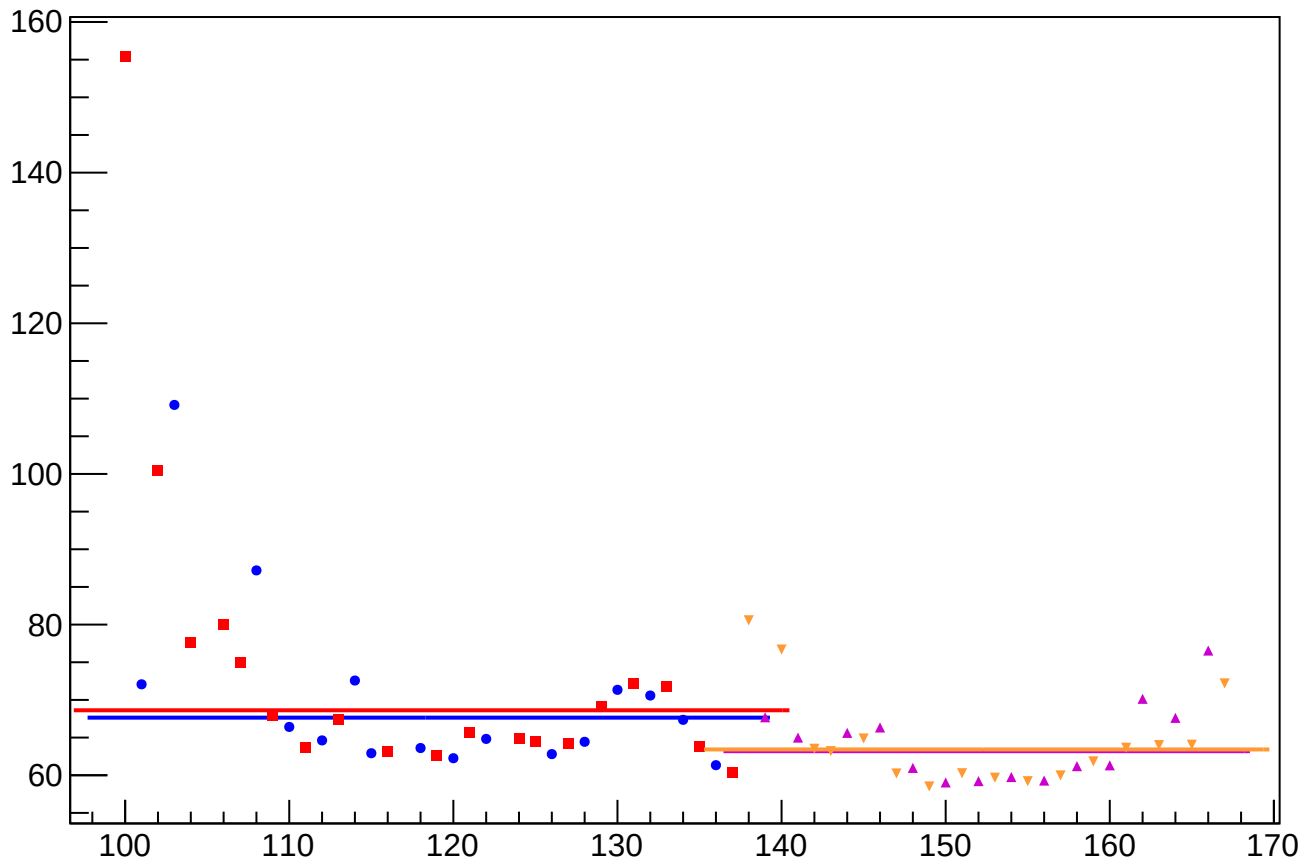
Left In: 196.120 ± 18.763 χ^2/NDF : 22.8/13

+ sign -214.433 ± 14.722 χ^2/NDF : 34.2/31

All: -25.139 ± 10.544 χ^2/NDF : 437.6/64

- sign 174.256 ± 15.109 χ^2/NDF : 63.9/32

dit_asym_sam8_rms vs Slug



Right In: 67.647 ± 0.018 $\chi^2/\text{NDF}: 263669.9/15$

Left Out: 63.424 ± 0.013 $\chi^2/\text{NDF}: 184473.5/15$

Right Out: 68.624 ± 0.018 $\chi^2/\text{NDF}: 248164.6/18$

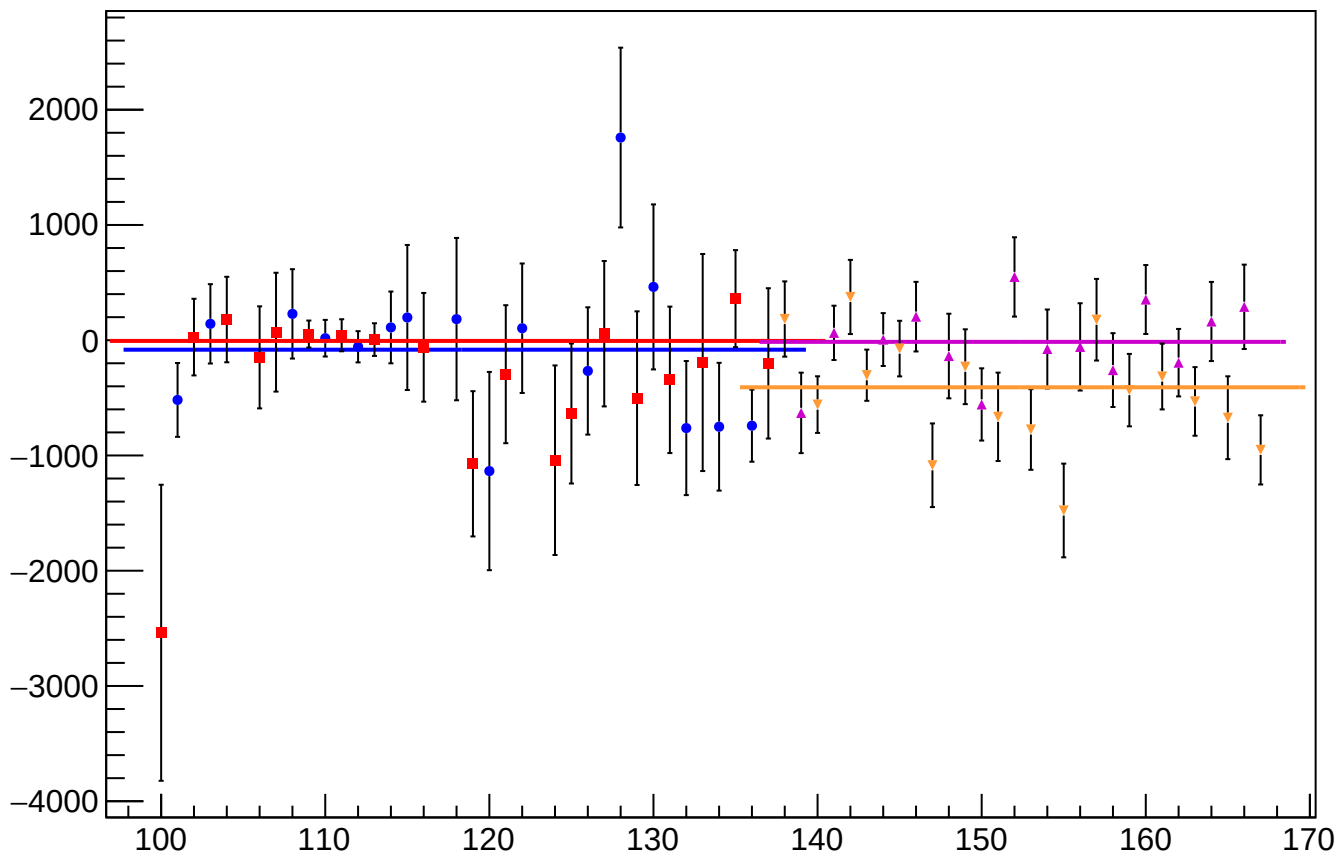
Left In: 63.193 ± 0.013 $\chi^2/\text{NDF}: 102560.0/13$

+ sign 64.829 ± 0.010 $\chi^2/\text{NDF}: 484686.7/31$

All: 64.962 ± 0.007 $\chi^2/\text{NDF}: 894645.8/64$

- sign 65.102 ± 0.011 $\chi^2/\text{NDF}: 409623.6/32$

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228 ± 78.676 χ^2/NDF : 19.2/15

Left Out: -408.402 ± 76.318 χ^2/NDF : 30.8/15

Right Out: -6.063 ± 65.910 χ^2/NDF : 12.0/18

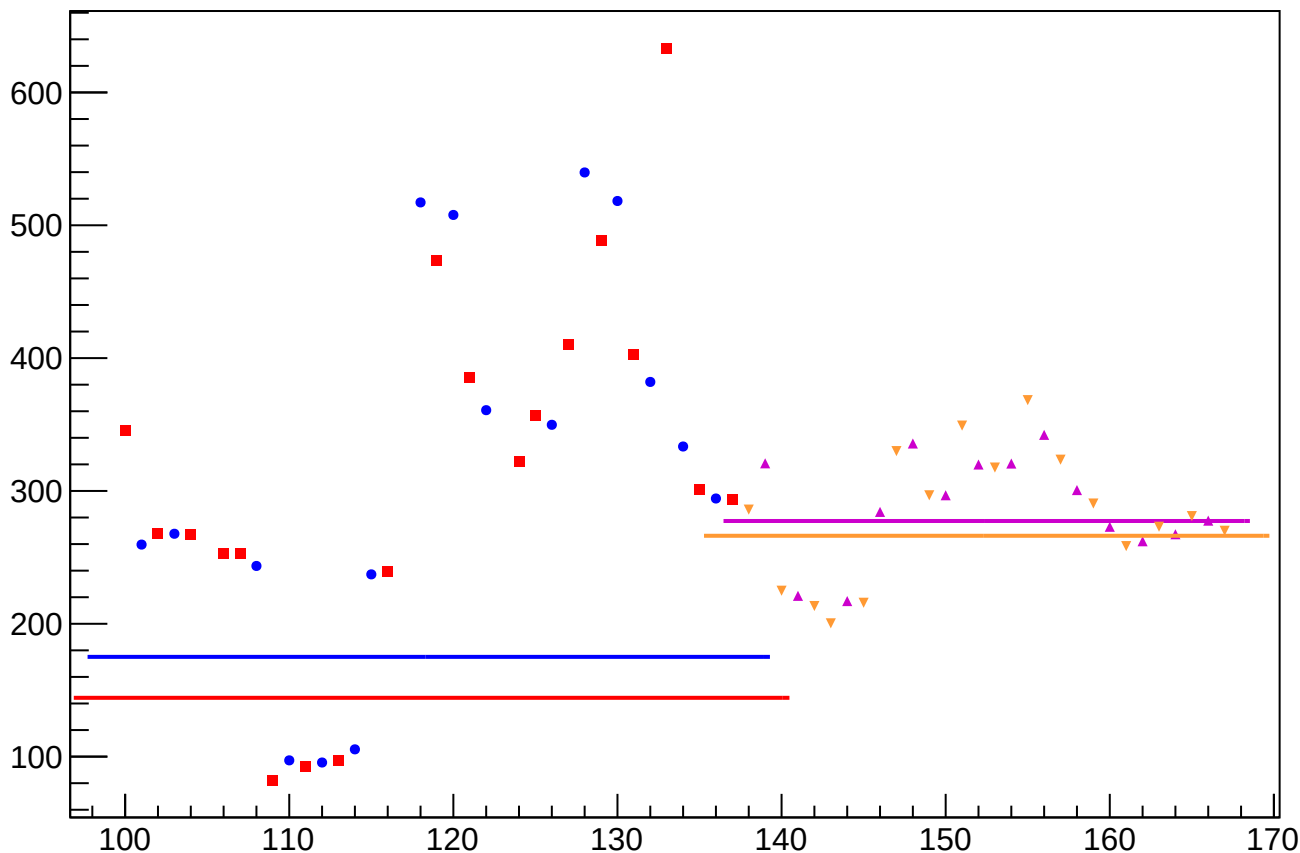
Left In: -14.242 ± 82.690 χ^2/NDF : 13.0/13

+ sign -250.276 ± 54.780 χ^2/NDF : 58.9/31

All: -122.422 ± 37.538 χ^2/NDF : 94.2/64

- sign -9.241 ± 51.541 χ^2/NDF : 25.1/32

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099 $\pm$ 0.056 χ^2 /NDF: 4429076.5/15

Left Out: 266.257 $\pm$ 0.054 χ^2 /NDF: 794266.2/15

Right Out: 144.276 $\pm$ 0.047 χ^2 /NDF: 5132432.2/18

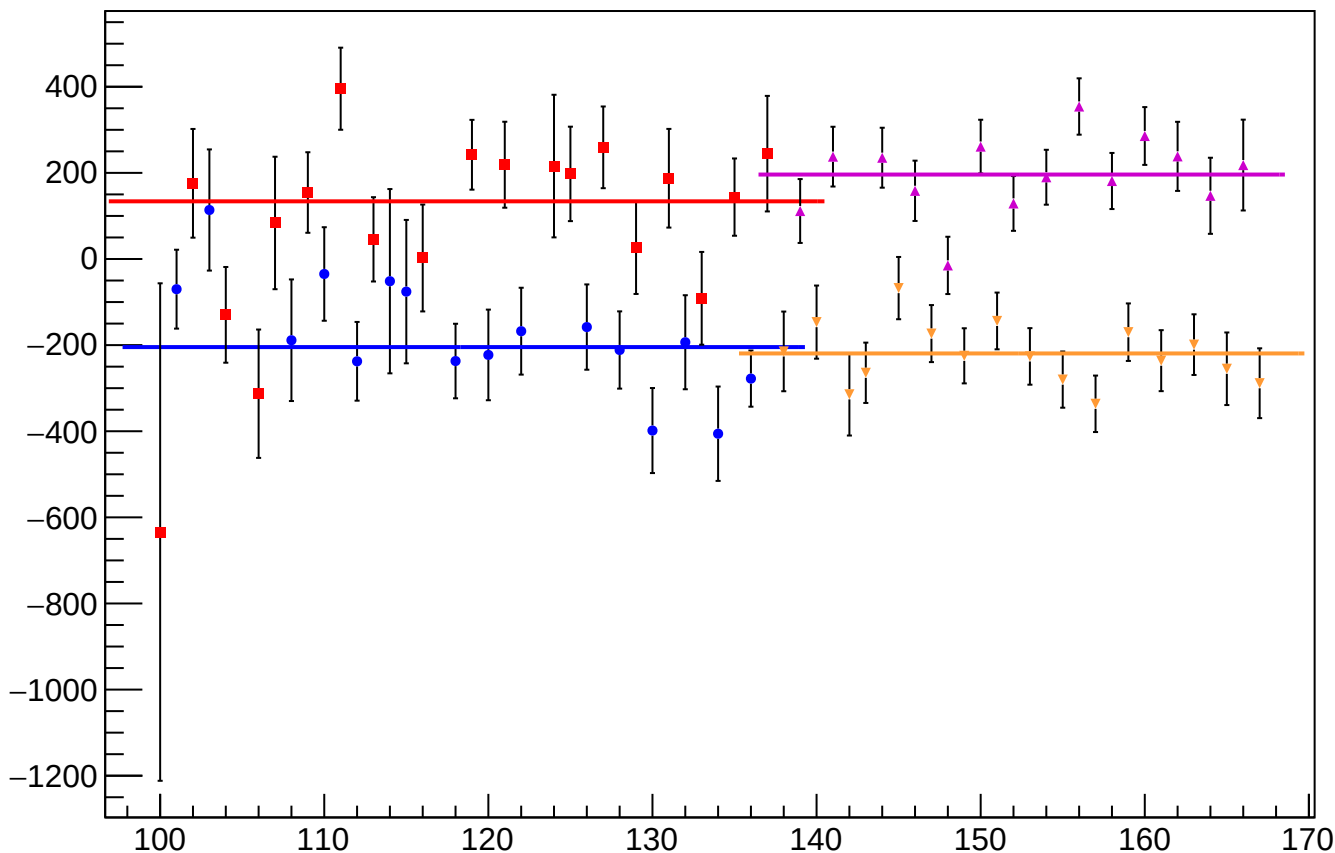
Left In: 277.387 $\pm$ 0.058 χ^2 /NDF: 481654.9/13

+ sign 222.065 $\pm$ 0.039 χ^2 /NDF: 6606635.0/31

All: 208.234 $\pm$ 0.027 χ^2 /NDF: 15630273.4/64

- sign 195.990 $\pm$ 0.036 χ^2 /NDF: 8783288.3/32

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -219.345 ± 18.021 χ^2/NDF : 14.0/15

Right Out: 133.926 ± 25.483 χ^2/NDF : 37.2/18

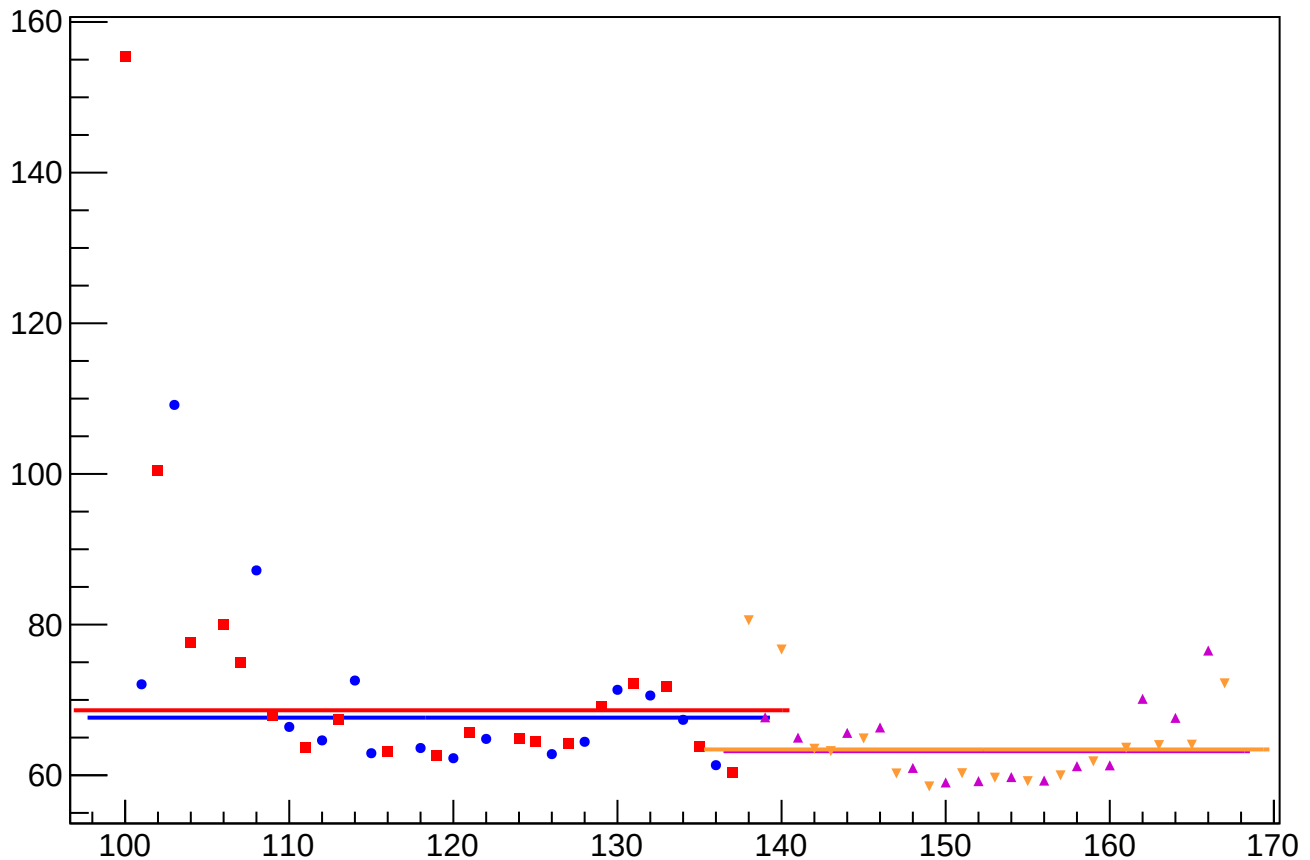
Left In: 196.121 ± 18.763 χ^2/NDF : 22.8/13

+ sign -214.432 ± 14.722 χ^2/NDF : 34.2/31

All: -25.139 ± 10.544 χ^2/NDF : 437.6/64

- sign 174.257 ± 15.109 χ^2/NDF : 63.9/32

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647 ± 0.018 χ^2/NDF : 263668.9/15

Left Out: 63.424 ± 0.013 χ^2/NDF : 184472.4/15

Right Out: 68.624 ± 0.018 χ^2/NDF : 248166.1/18

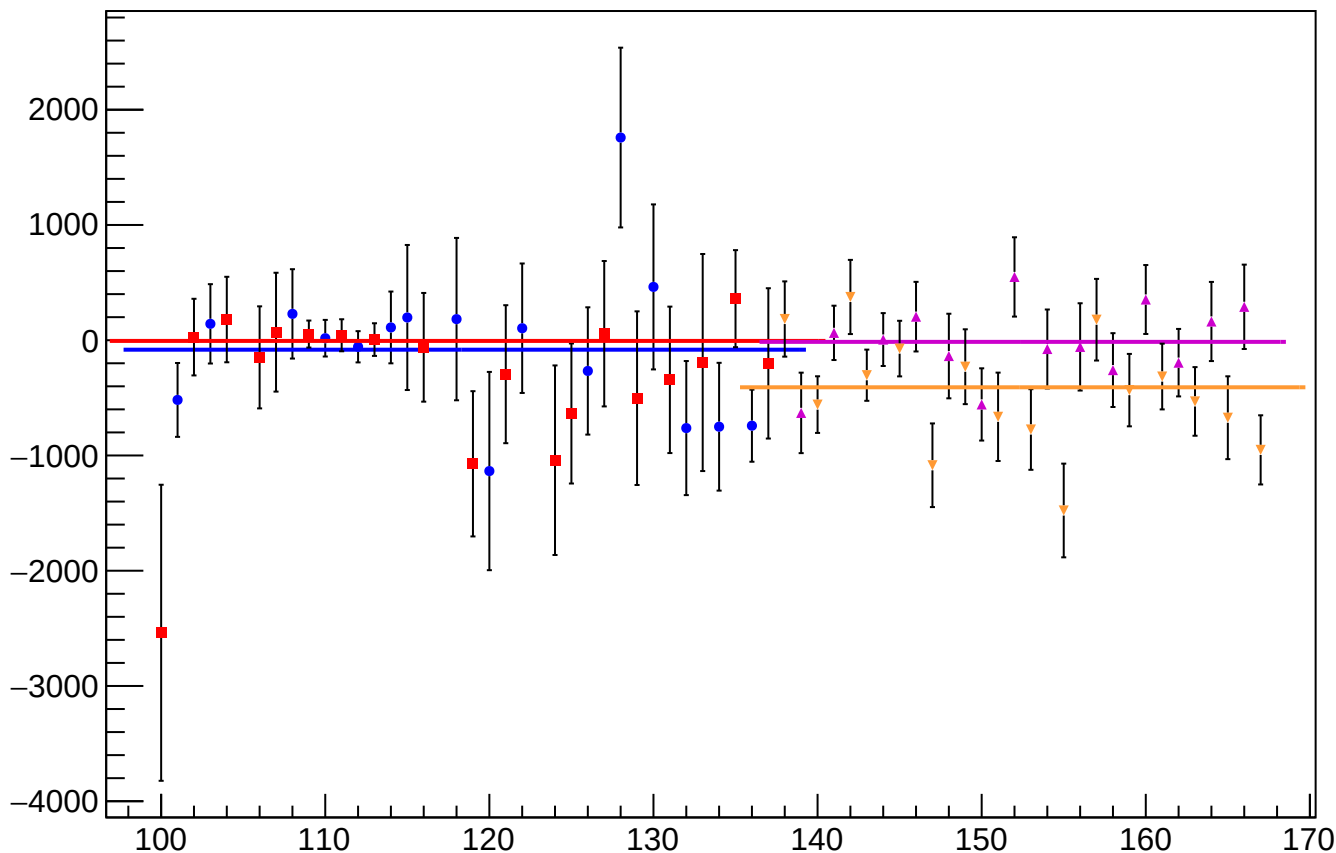
Left In: 63.193 ± 0.013 χ^2/NDF : 102560.2/13

+ sign 64.829 ± 0.010 χ^2/NDF : 484681.2/31

All: 64.962 ± 0.007 χ^2/NDF : 894636.7/64

- sign 65.102 ± 0.011 χ^2/NDF : 409620.0/32

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226 ± 78.675 χ^2/NDF : 19.2/15

Left Out: -408.400 ± 76.318 χ^2/NDF : 30.8/15

Right Out: -6.062 ± 65.910 χ^2/NDF : 12.0/18

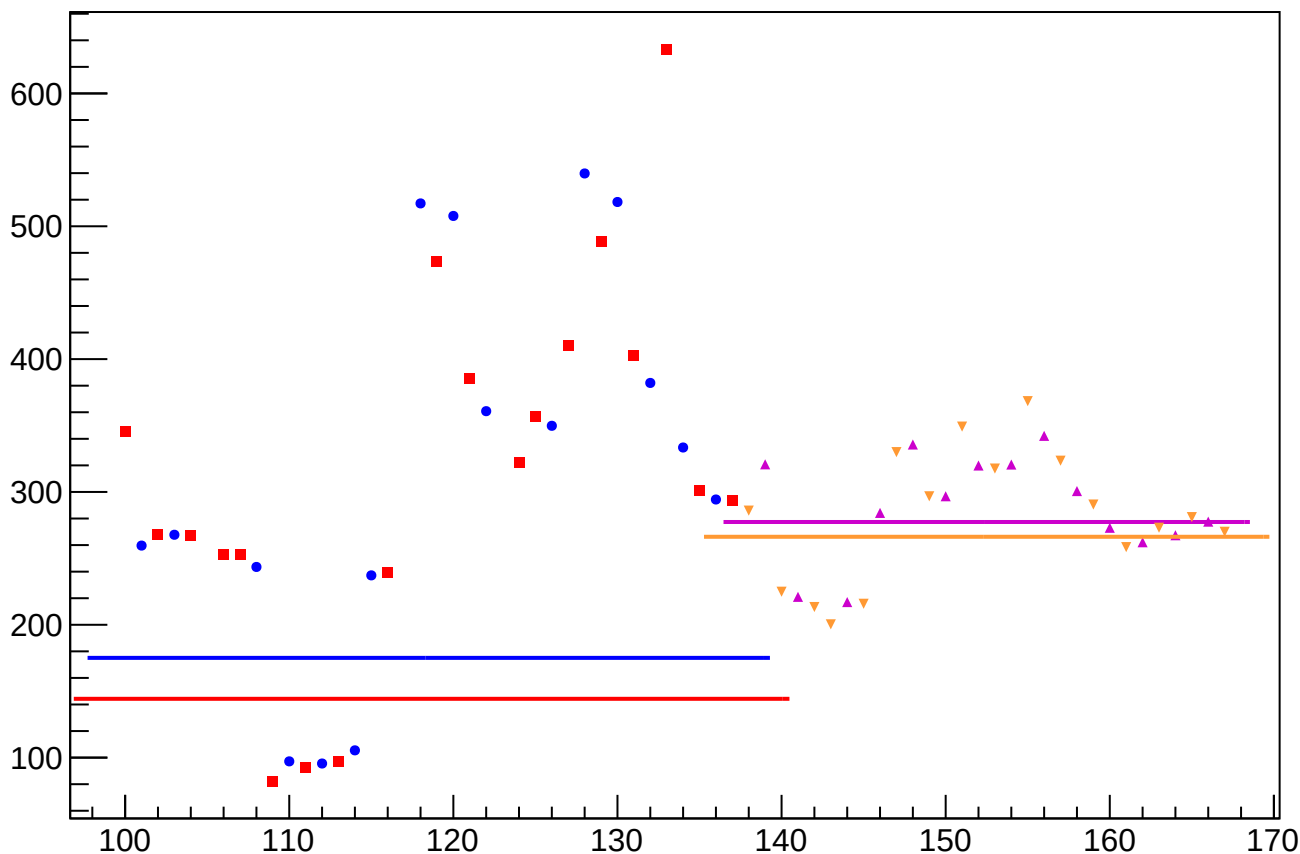
Left In: -14.242 ± 82.689 χ^2/NDF : 13.0/13

+ sign -250.274 ± 54.779 χ^2/NDF : 58.9/31

All: -122.421 ± 37.537 χ^2/NDF : 94.2/64

- sign -9.240 ± 51.540 χ^2/NDF : 25.1/32

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098 $\pm$ 0.056 χ^2 /NDF: 4429098.4/15

Left Out: 266.256 $\pm$ 0.054 χ^2 /NDF: 794274.9/15

Right Out: 144.276 $\pm$ 0.047 χ^2 /NDF: 5132412.3/18

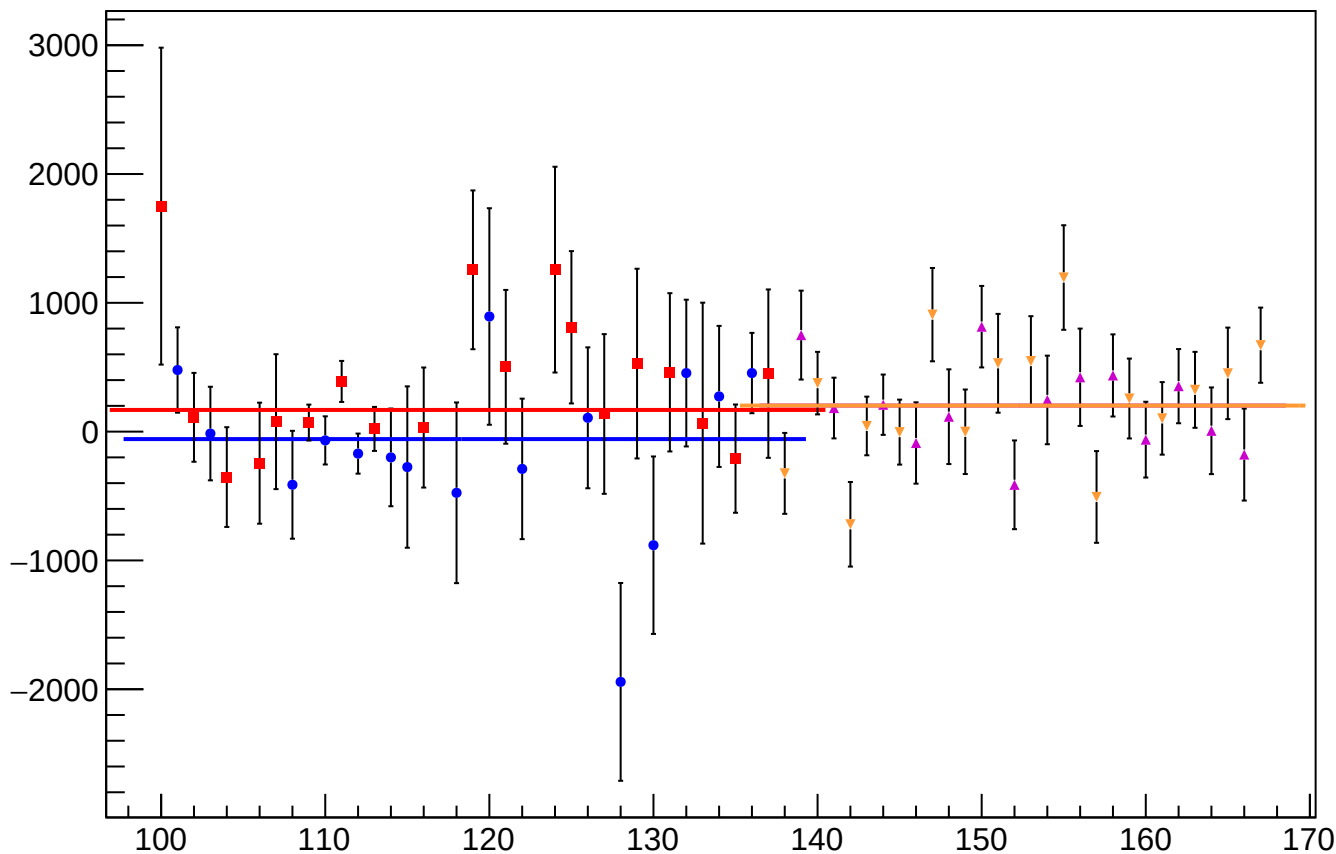
Left In: 277.386 $\pm$ 0.058 χ^2 /NDF: 481656.2/13

+ sign 222.063 $\pm$ 0.039 χ^2 /NDF: 6606691.5/31

All: 208.233 $\pm$ 0.027 χ^2 /NDF: 15630289.3/64

- sign 195.990 $\pm$ 0.036 χ^2 /NDF: 8783260.5/32

asym_sam8_mean vs Slug



Right In: -57.970 ± 86.890 $\chi^2/\text{NDF}: 17.4/15$

Left Out: 202.193 ± 76.372 $\chi^2/\text{NDF}: 31.6/15$

Right Out: 168.322 ± 74.598 $\chi^2/\text{NDF}: 15.5/18$

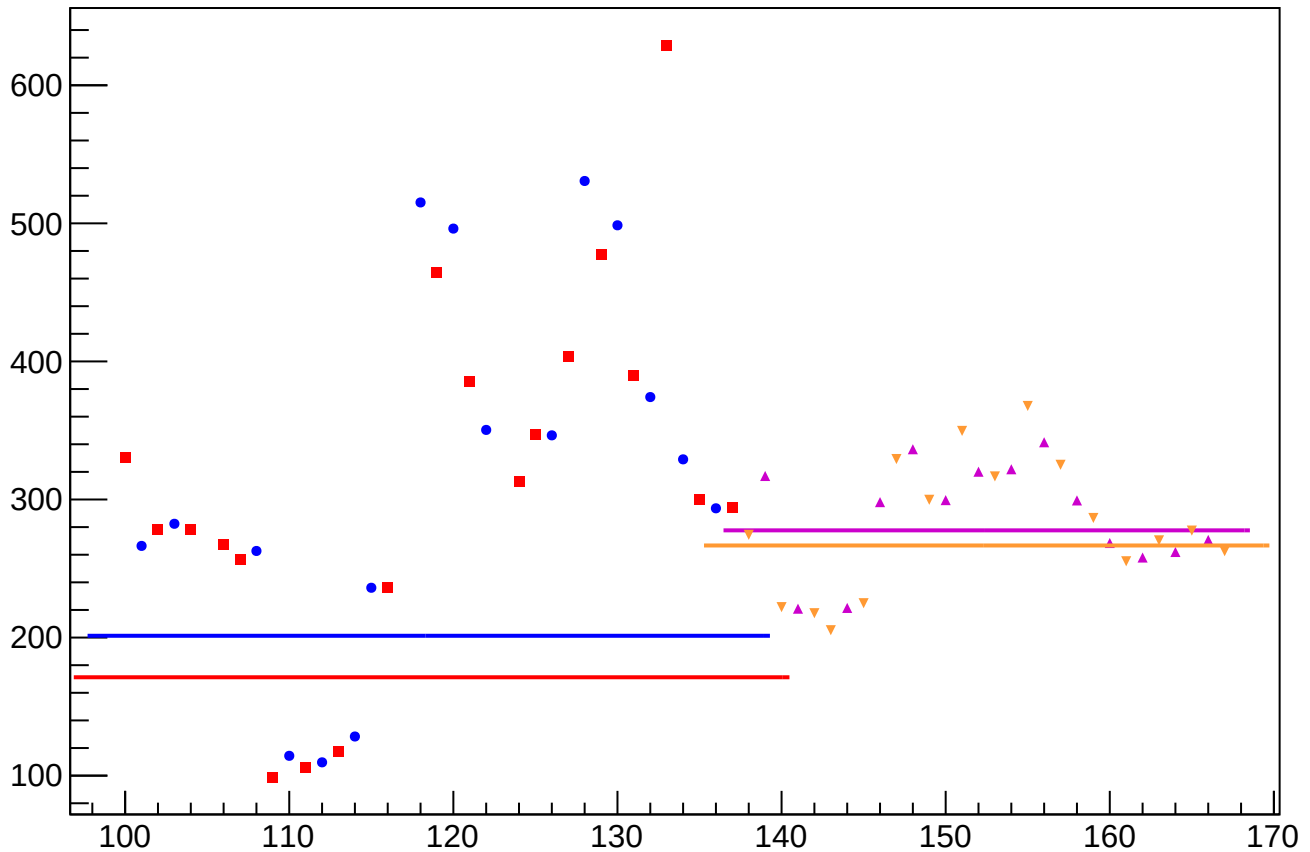
Left In: 202.338 ± 82.747 $\chi^2/\text{NDF}: 13.8/13$

+ sign 88.804 ± 57.364 $\chi^2/\text{NDF}: 54.1/31$

All: 137.833 ± 39.852 $\chi^2/\text{NDF}: 84.9/64$

- sign 183.573 ± 55.406 $\chi^2/\text{NDF}: 29.4/32$

asym_sam8_rms vs Slug



Right In: 201.301 $\pm$ 0.061 χ^2 /NDF: 3572199.4/15

Left Out: 266.698 $\pm$ 0.054 χ^2 /NDF: 720592.7/15

Right Out: 171.252 $\pm$ 0.053 χ^2 /NDF: 4192554.2/18

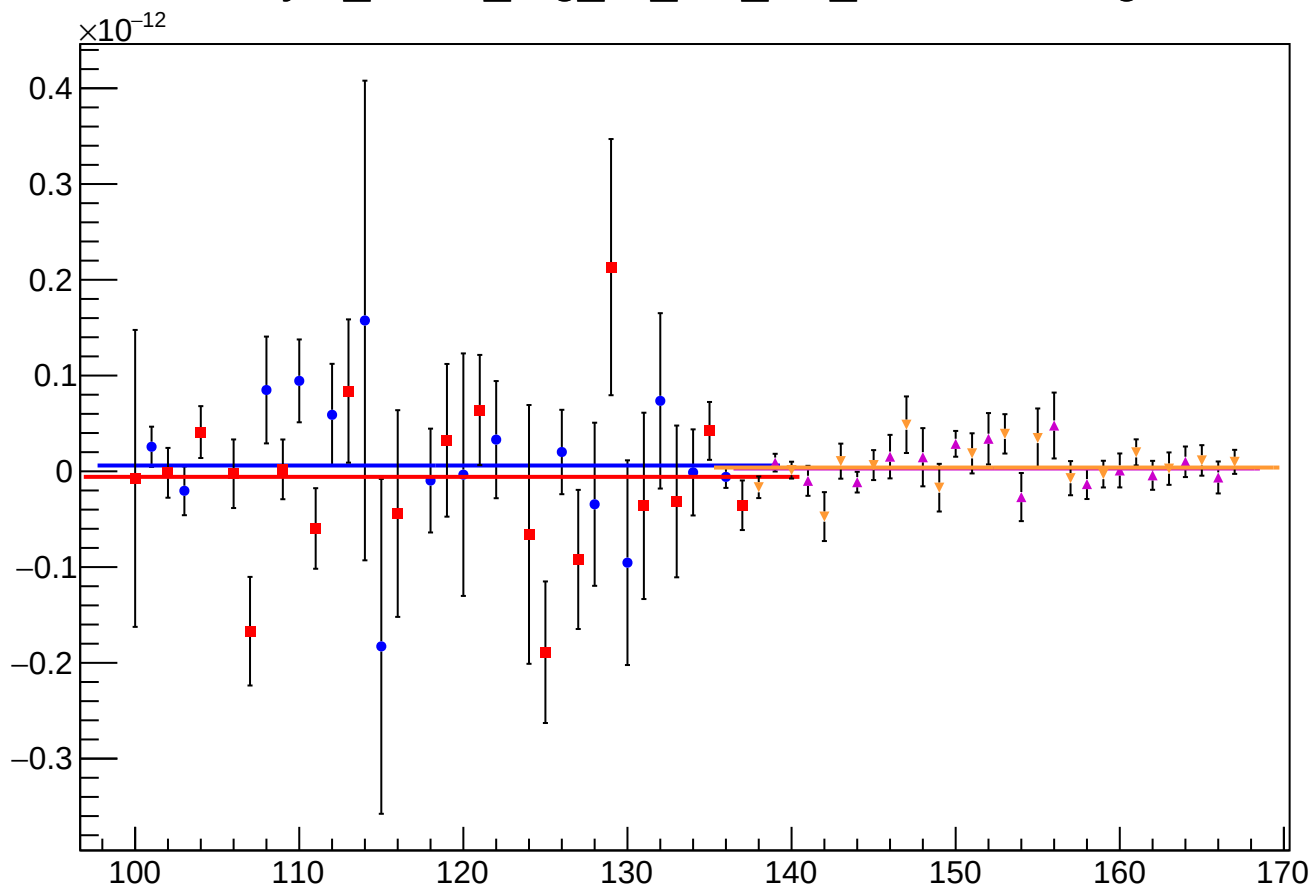
Left In: 277.653 $\pm$ 0.059 χ^2 /NDF: 472159.4/13

+ sign 238.195 $\pm$ 0.041 χ^2 /NDF: 4931932.2/31

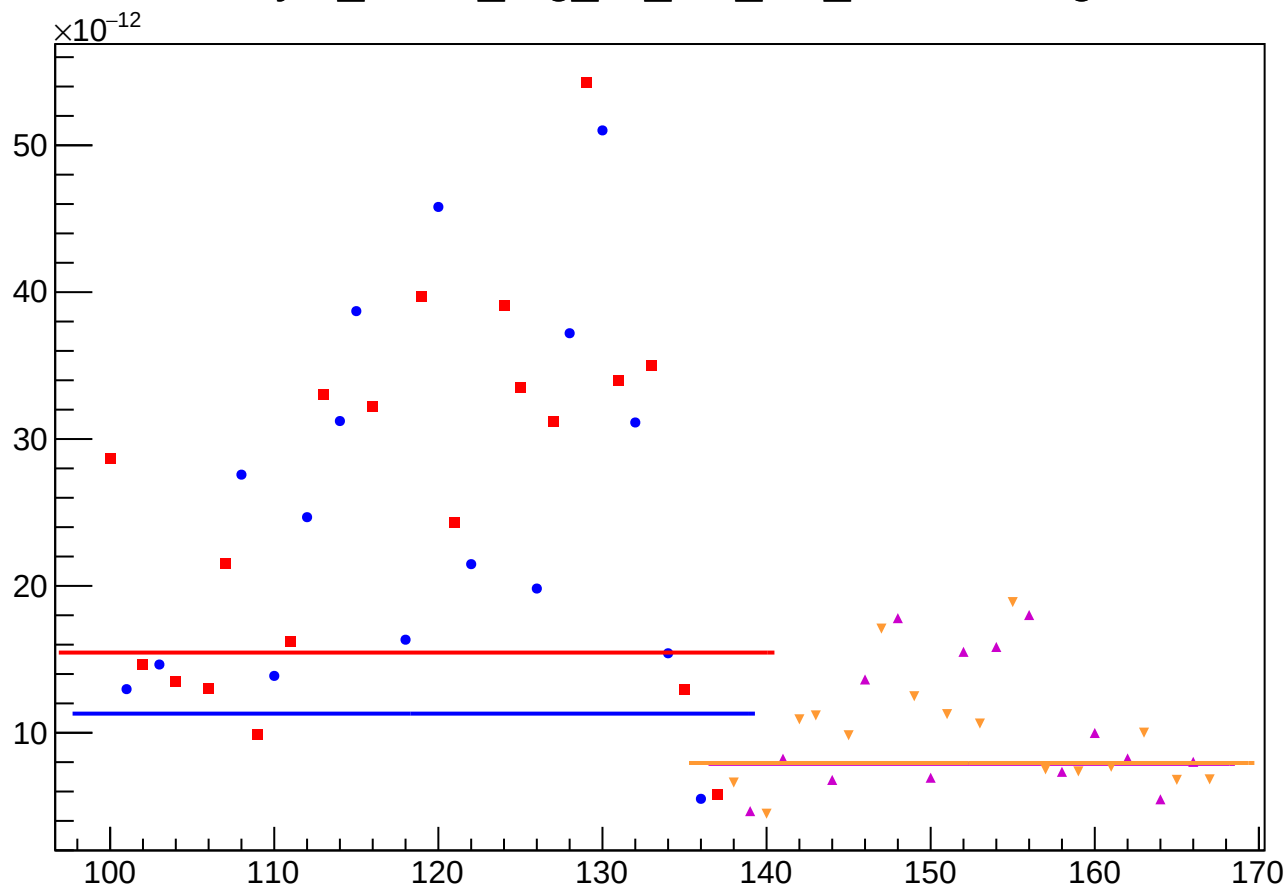
All: 228.242 $\pm$ 0.028 χ^2 /NDF: 11537296.6/64

- sign 218.956 $\pm$ 0.039 χ^2 /NDF: 6488976.8/32

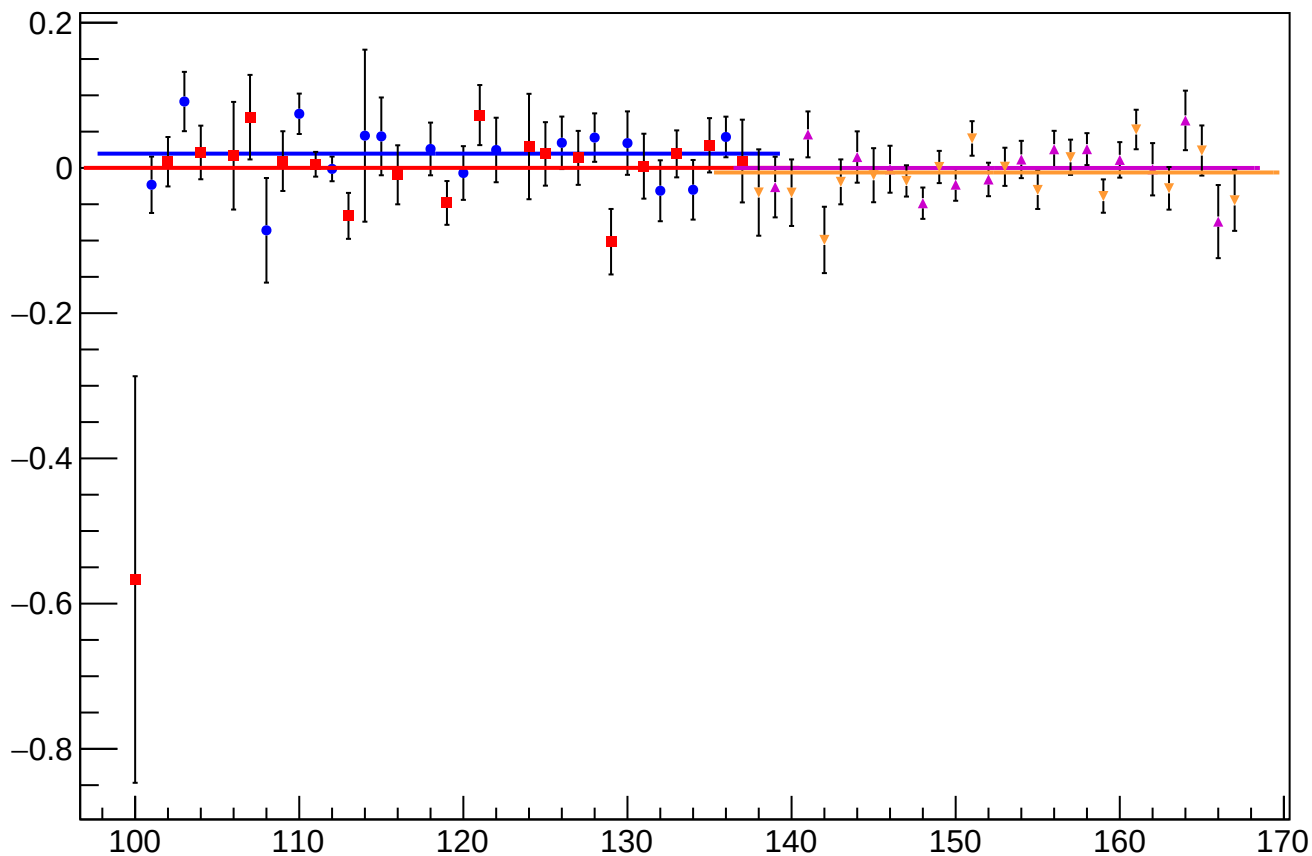
asym_sam8_reg_vs_cor_diff_mean vs Slug



asym_sam8_reg_vs_cor_diff_rms vs Slug



asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.006 ± 0.007 $\chi^2/\text{NDF}: 19.8/15$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

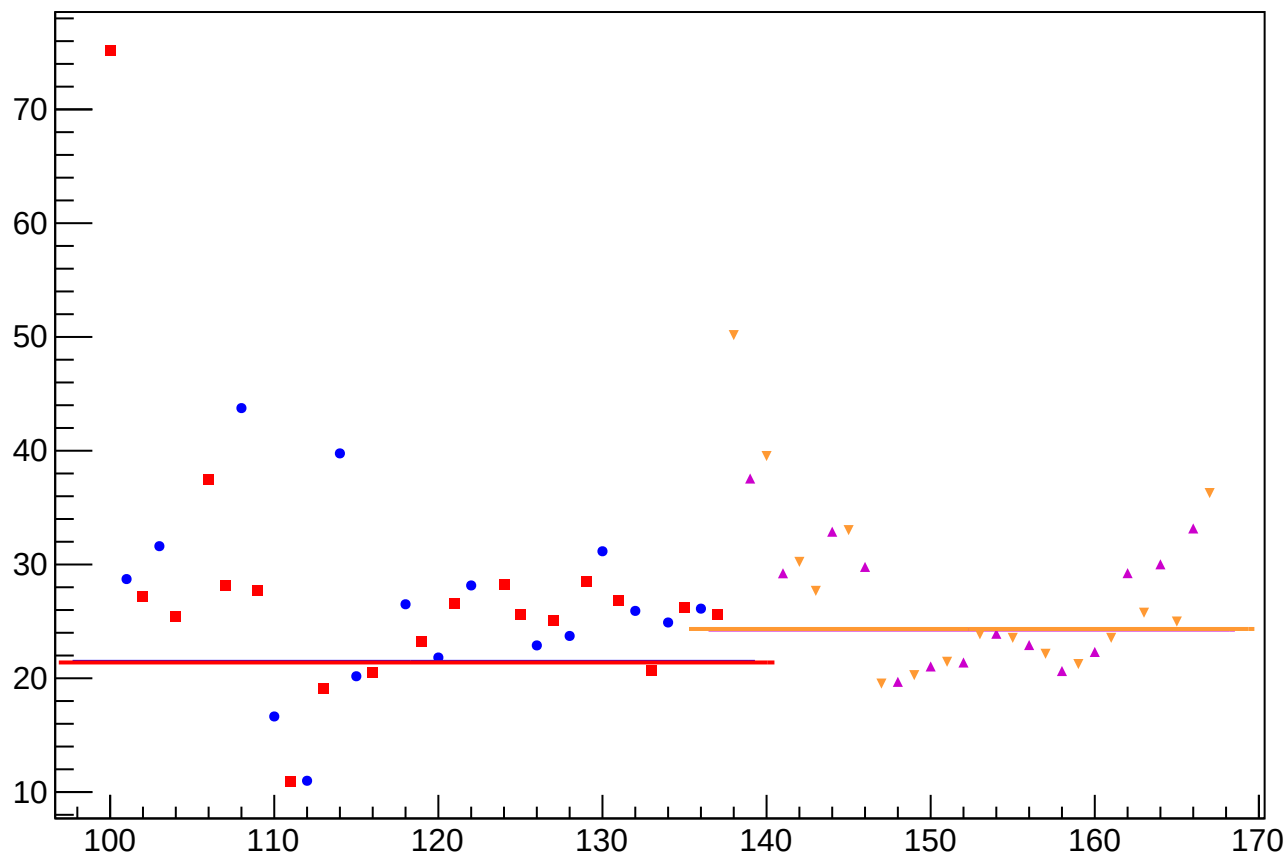
Left In: -0.000 ± 0.007 $\chi^2/\text{NDF}: 16.9/13$

+ sign 0.004 ± 0.006 $\chi^2/\text{NDF}: 42.1/31$

All: 0.002 ± 0.004 $\chi^2/\text{NDF}: 82.1/64$

- sign 0.000 ± 0.006 $\chi^2/\text{NDF}: 39.7/32$

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2/NDF : 1540713.8/15

Left Out: 24.334 $\pm$ 0.005 χ^2/NDF : 1182033.6/15

Right Out: 21.389 $\pm$ 0.006 χ^2/NDF : 1311934.3/18

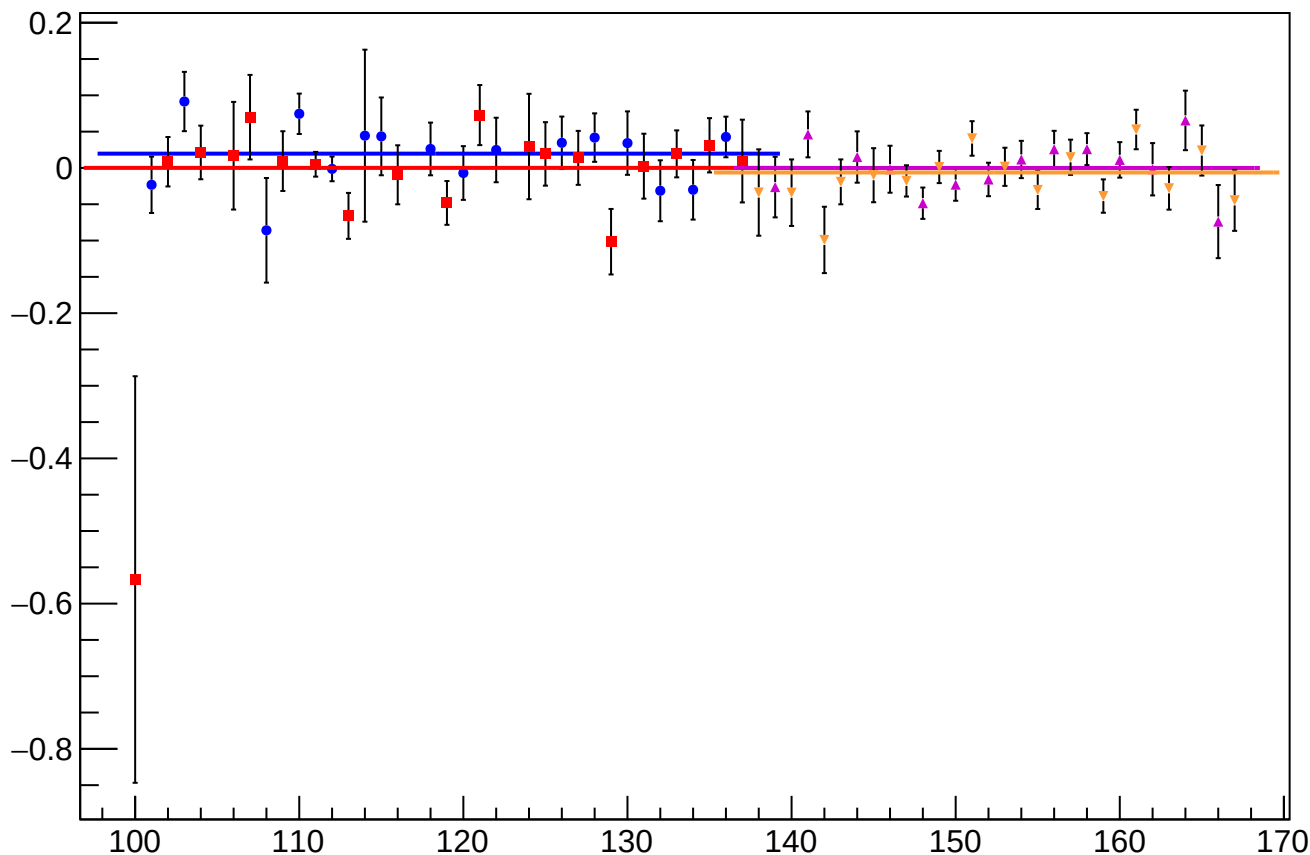
Left In: 24.287 $\pm$ 0.005 χ^2/NDF : 805582.7/13

+ sign 23.160 $\pm$ 0.004 χ^2/NDF : 2854256.1/31

All: 23.094 $\pm$ 0.003 χ^2/NDF : 5103445.4/64

- sign 23.027 $\pm$ 0.004 χ^2/NDF : 2248619.4/32

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 χ^2/NDF : 17.0/15

Left Out: -0.006 ± 0.007 χ^2/NDF : 19.8/15

Right Out: 0.000 ± 0.009 χ^2/NDF : 22.8/18

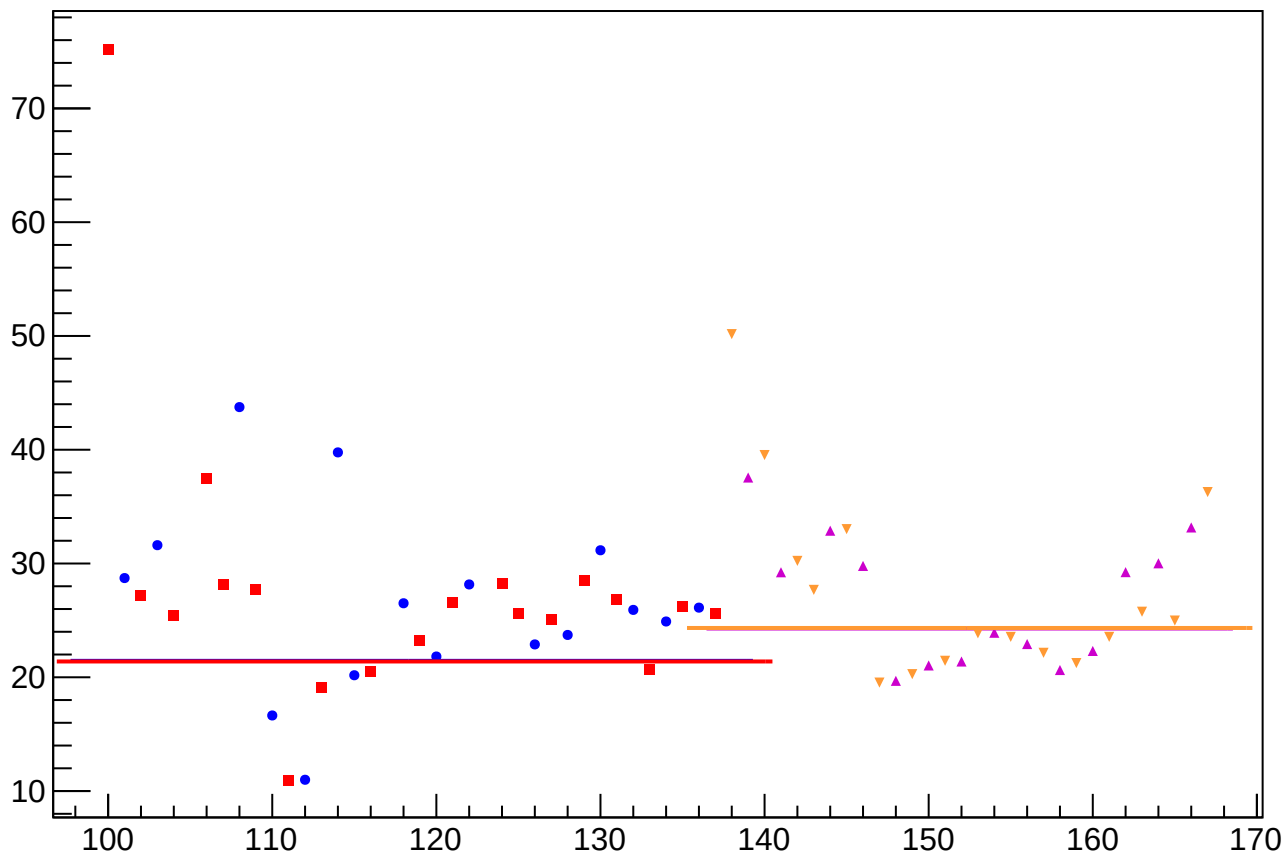
Left In: -0.000 ± 0.007 χ^2/NDF : 16.9/13

+ sign 0.004 ± 0.006 χ^2/NDF : 42.1/31

All: 0.002 ± 0.004 χ^2/NDF : 82.1/64

- sign 0.000 ± 0.006 χ^2/NDF : 39.7/32

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2 /NDF: 1540713.8/15

Left Out: 24.334 $\pm$ 0.005 χ^2 /NDF: 1182033.6/15

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1311934.3/18

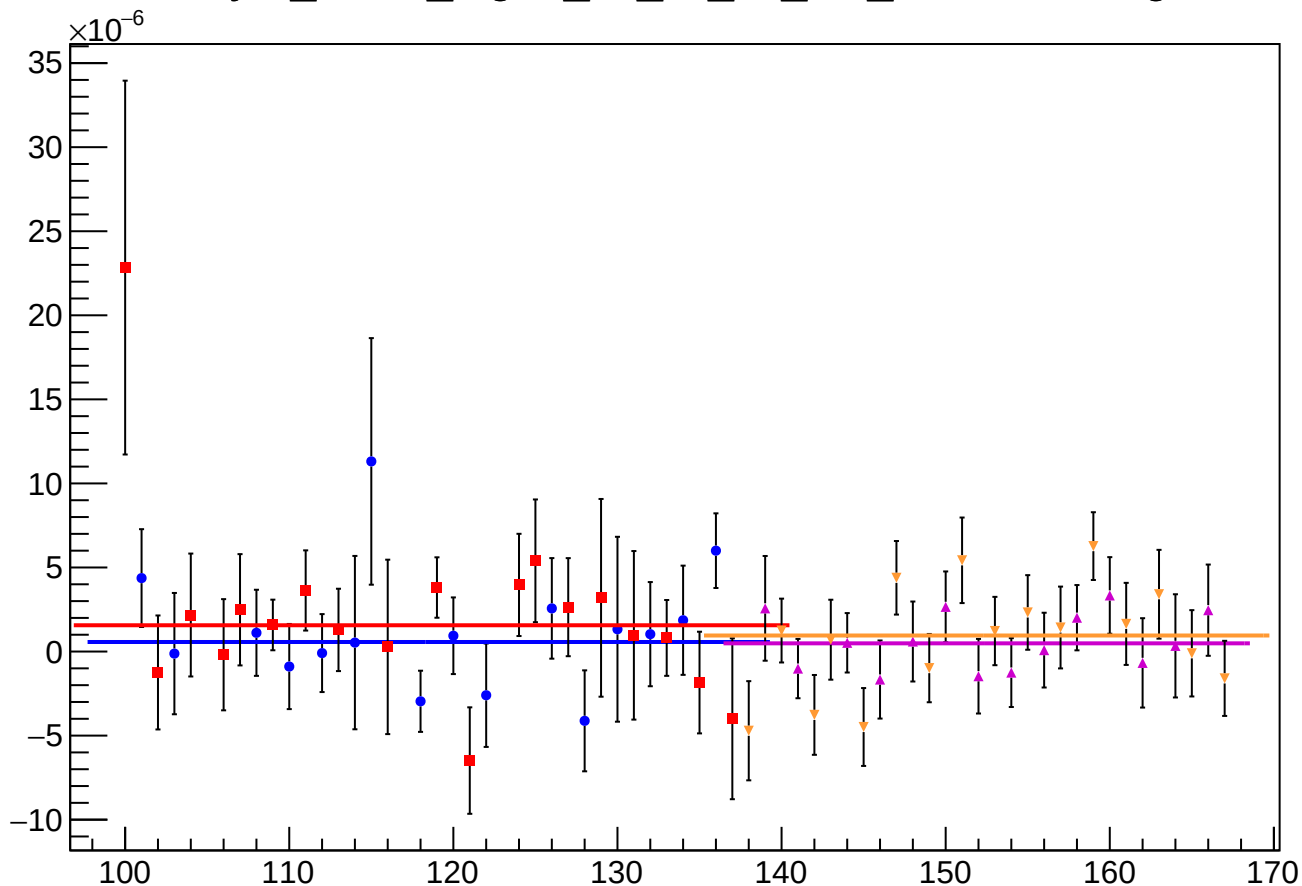
Left In: 24.287 $\pm$ 0.005 χ^2 /NDF: 805582.7/13

+ sign 23.160 $\pm$ 0.004 χ^2 /NDF: 2854256.1/31

All: 23.094 $\pm$ 0.003 χ^2 /NDF: 5103445.4/64

- sign 23.027 $\pm$ 0.004 χ^2 /NDF: 2248619.4/32

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 : 29.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 18.3/18

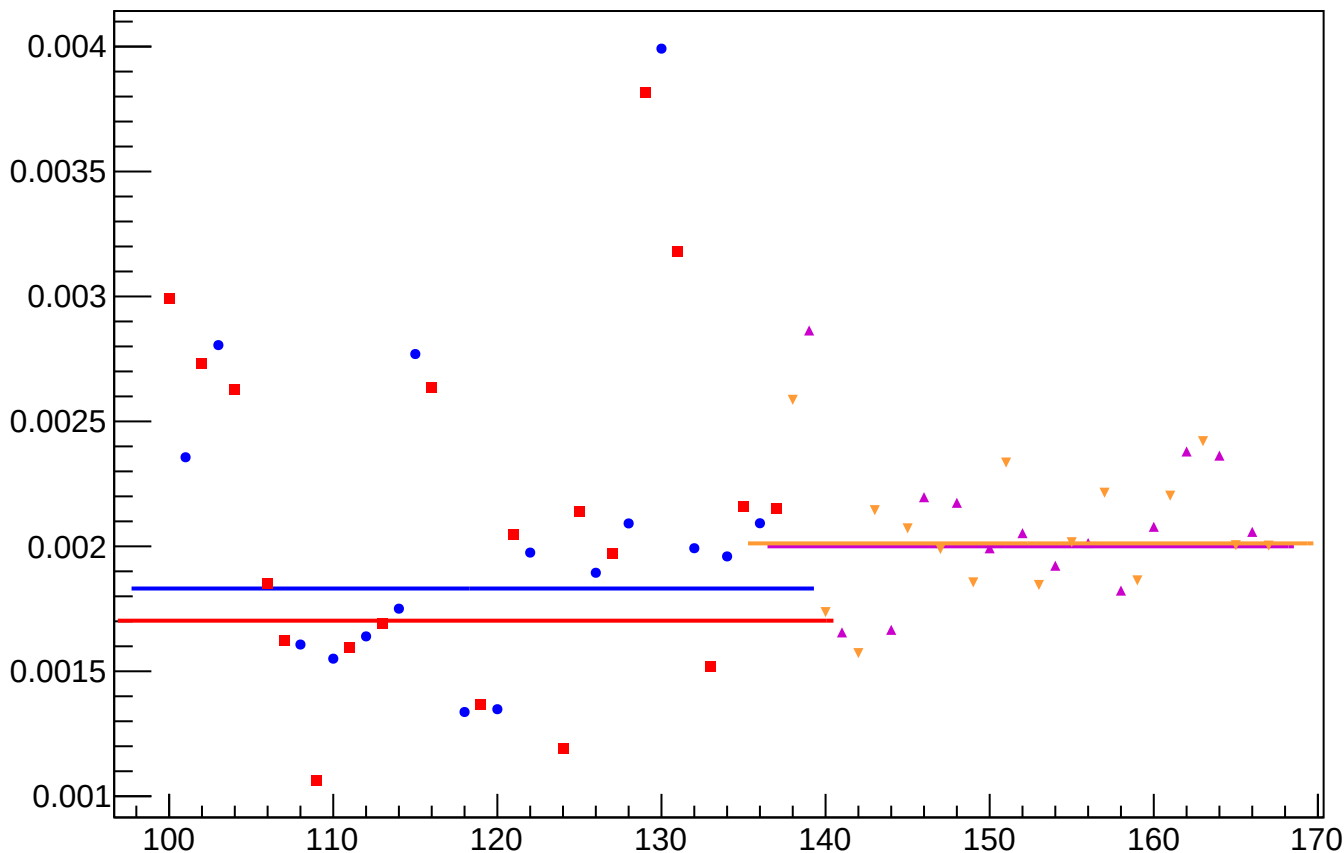
Left In: 0.000+/-0.000 χ^2/NDF : 7.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 47.9/31

All: 0.000+/-0.000 χ^2/NDF : 75.3/64

- sign 0.000+/-0.000 χ^2/NDF : 27.3/32

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 900406.1/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:336607.8/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1478057.9/18

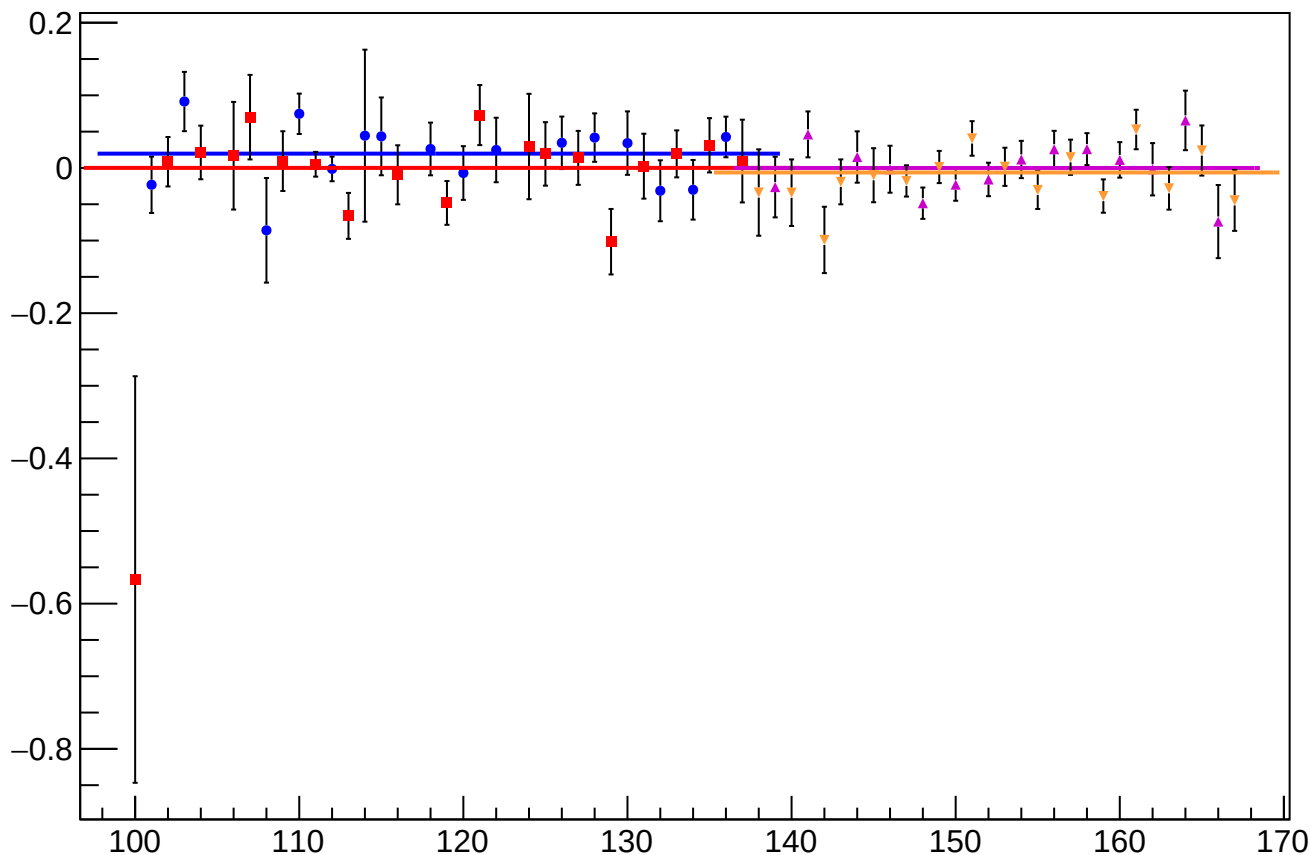
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:419394.6/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1316017.3/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3465849.7/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2121837.2/32

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: -0.006 ± 0.007 $\chi^2/\text{NDF}: 19.8/15$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

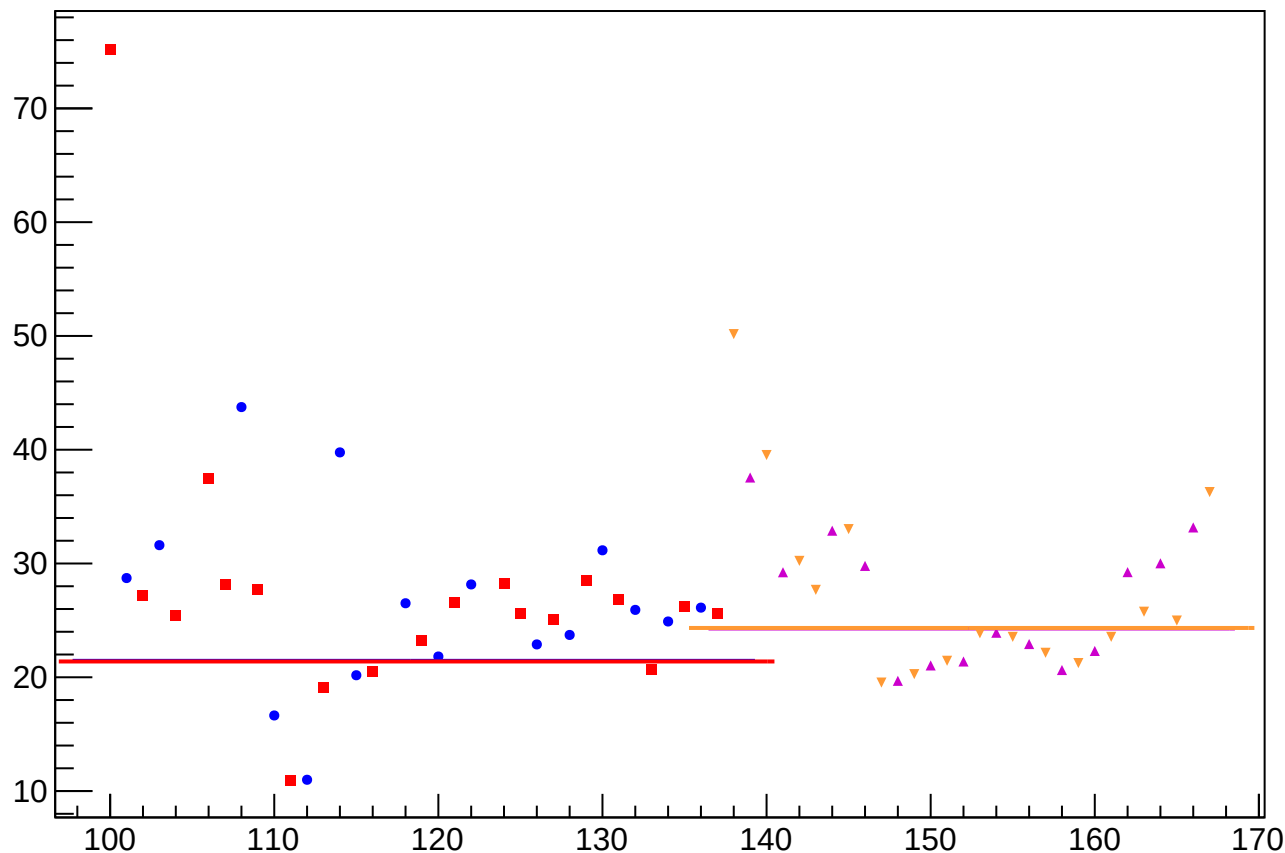
Left In: -0.000 ± 0.007 $\chi^2/\text{NDF}: 16.9/13$

+ sign 0.004 ± 0.006 $\chi^2/\text{NDF}: 42.1/31$

All: 0.002 ± 0.004 $\chi^2/\text{NDF}: 82.1/64$

- sign 0.000 ± 0.006 $\chi^2/\text{NDF}: 39.7/32$

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF : 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF : 1182033.9/15

Right Out: 21.389+/-0.006 χ^2/NDF : 1312055.7/18

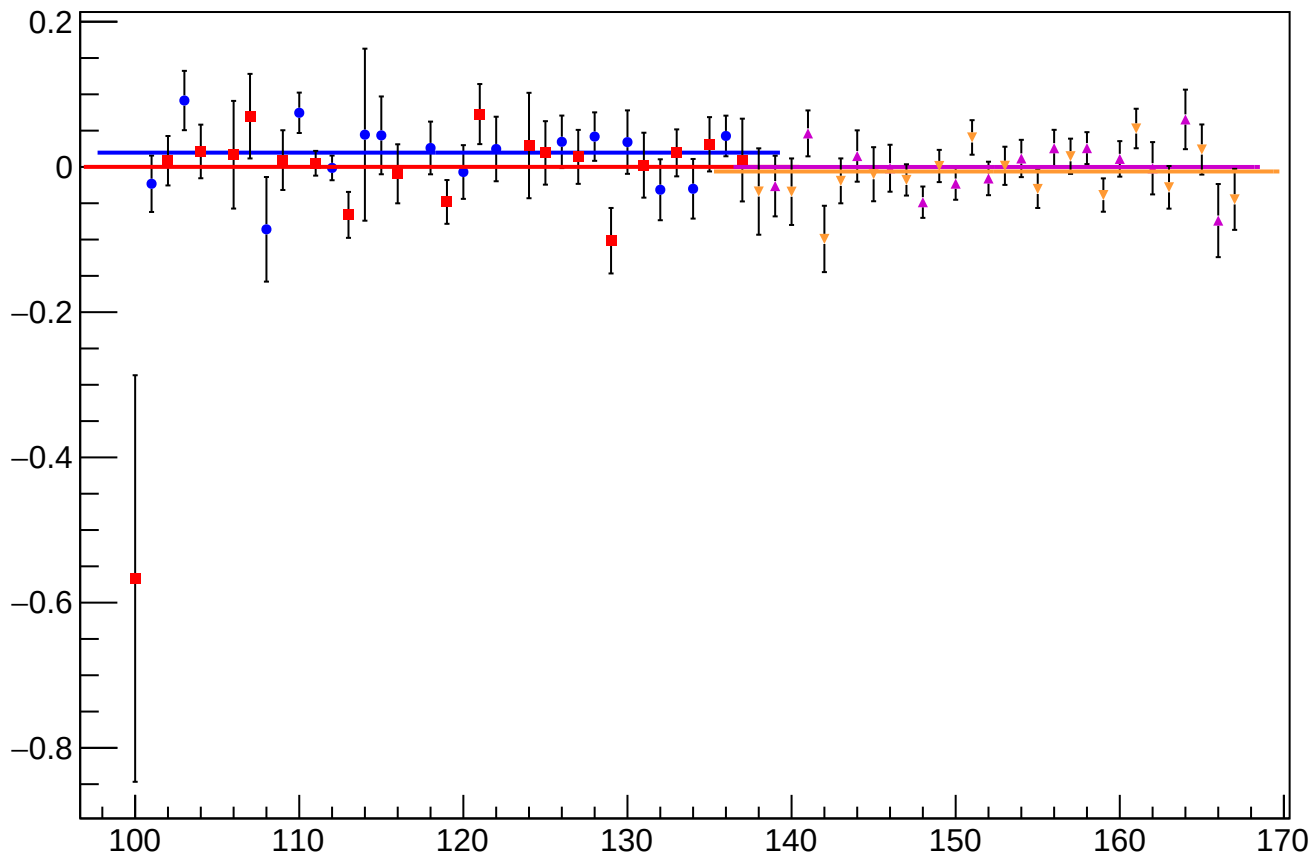
Left In: 24.287+/-0.005 χ^2/NDF : 805582.3/13

+ sign 23.160+/-0.004 χ^2/NDF : 2854477.1/31

All: 23.094+/-0.003 χ^2/NDF : 5103860.1/64

- sign 23.026+/-0.004 χ^2/NDF : 2248812.9/32

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.006 ± 0.007 $\chi^2/\text{NDF}: 19.8/15$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

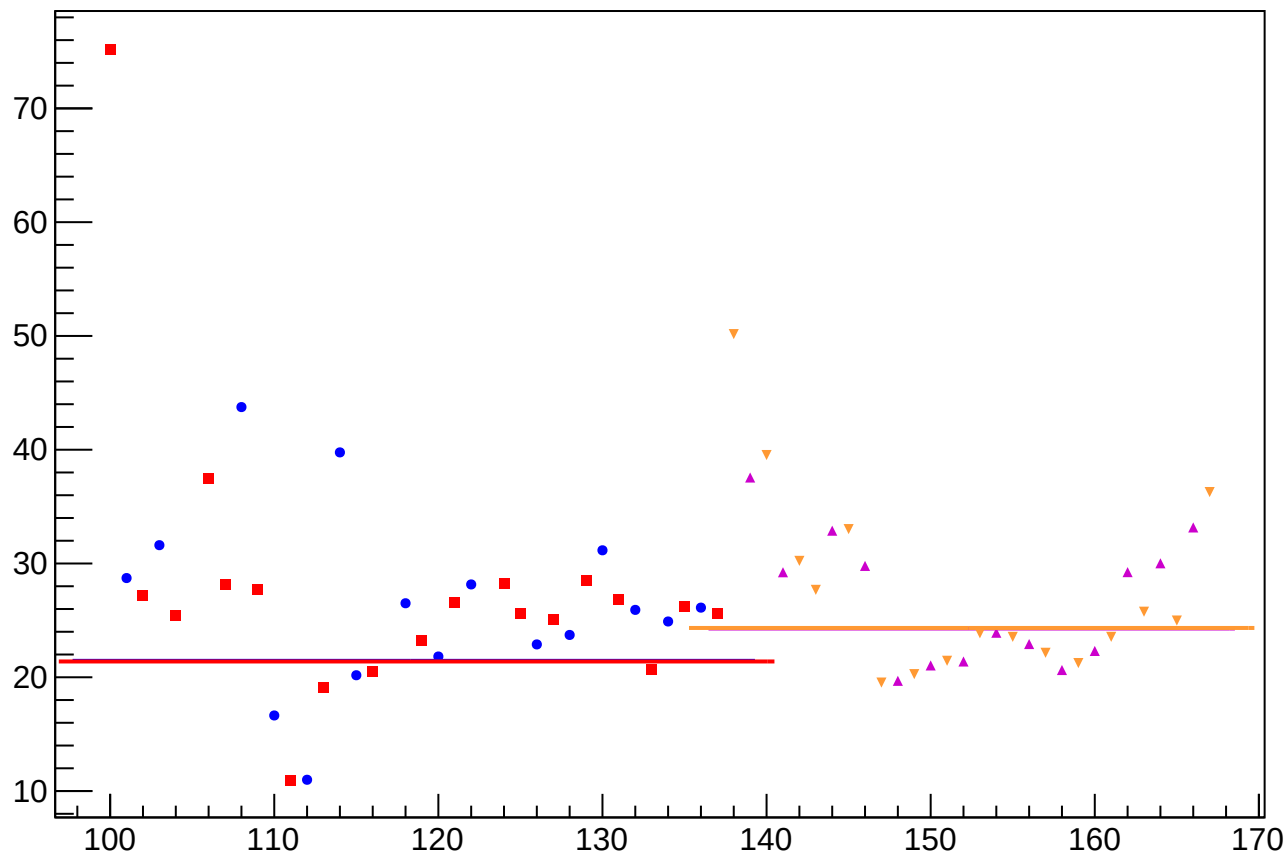
Left In: -0.000 ± 0.007 $\chi^2/\text{NDF}: 16.9/13$

+ sign 0.004 ± 0.006 $\chi^2/\text{NDF}: 42.1/31$

All: 0.002 ± 0.004 $\chi^2/\text{NDF}: 82.1/64$

- sign 0.000 ± 0.006 $\chi^2/\text{NDF}: 39.7/32$

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443 $\pm$ 0.006 χ^2 /NDF: 1540859.8/15

Left Out: 24.334 $\pm$ 0.005 χ^2 /NDF: 1182033.9/15

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1312055.7/18

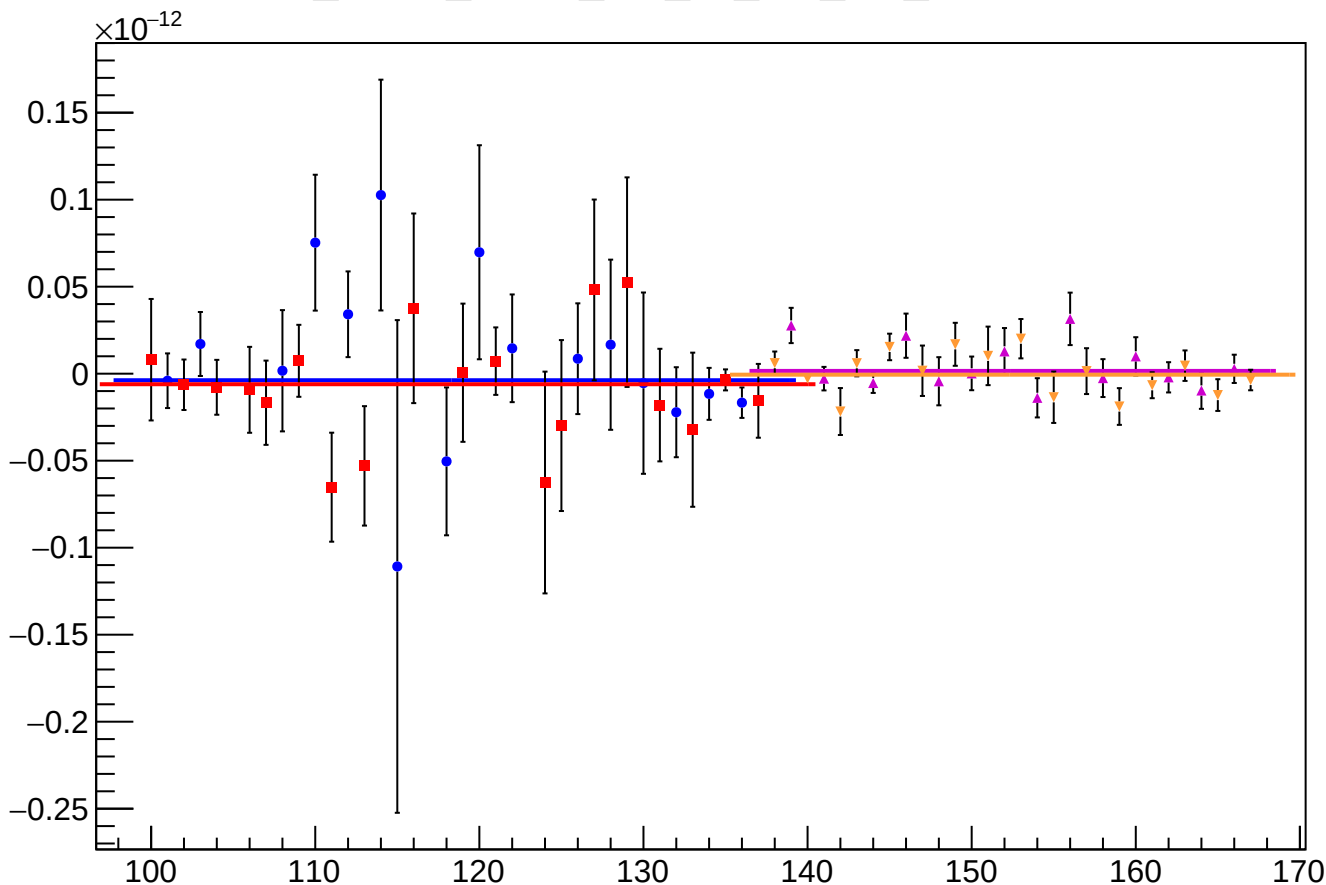
Left In: 24.287 $\pm$ 0.005 χ^2 /NDF: 805582.3/13

+ sign 23.160 $\pm$ 0.004 χ^2 /NDF: 2854477.1/31

All: 23.094 $\pm$ 0.003 χ^2 /NDF: 5103860.1/64

- sign 23.026 $\pm$ 0.004 χ^2 /NDF: 2248812.9/32

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: 21.7/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 11.3/18

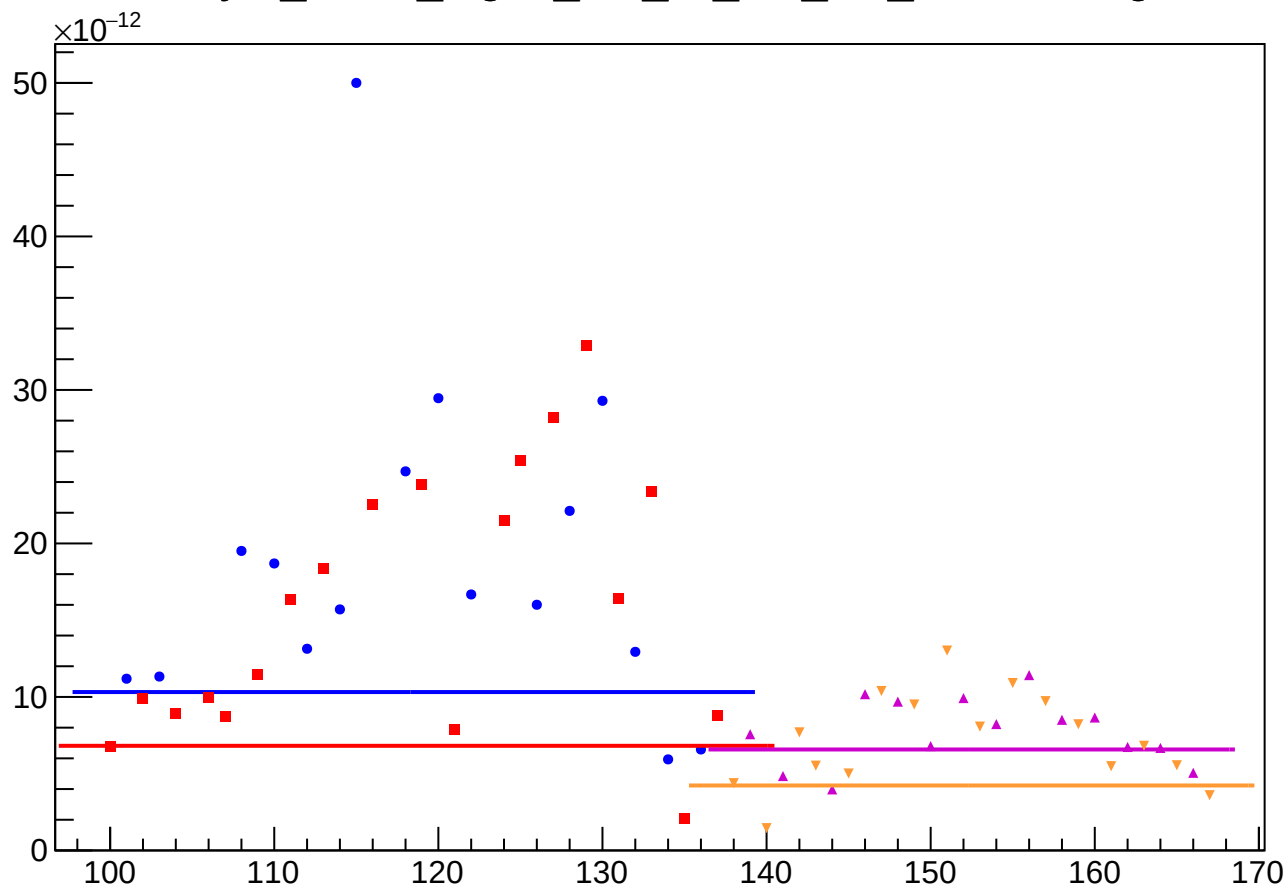
Left In: 0.000+/-0.000 χ^2 /NDF: 19.9/13

+ sign -0.000+/-0.000 χ^2 /NDF: 39.2/31

All: -0.000+/-0.000 χ^2 /NDF: 72.7/64

- sign -0.000+/-0.000 χ^2 /NDF: 33.5/32

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 : 4918839.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4021812.9/18

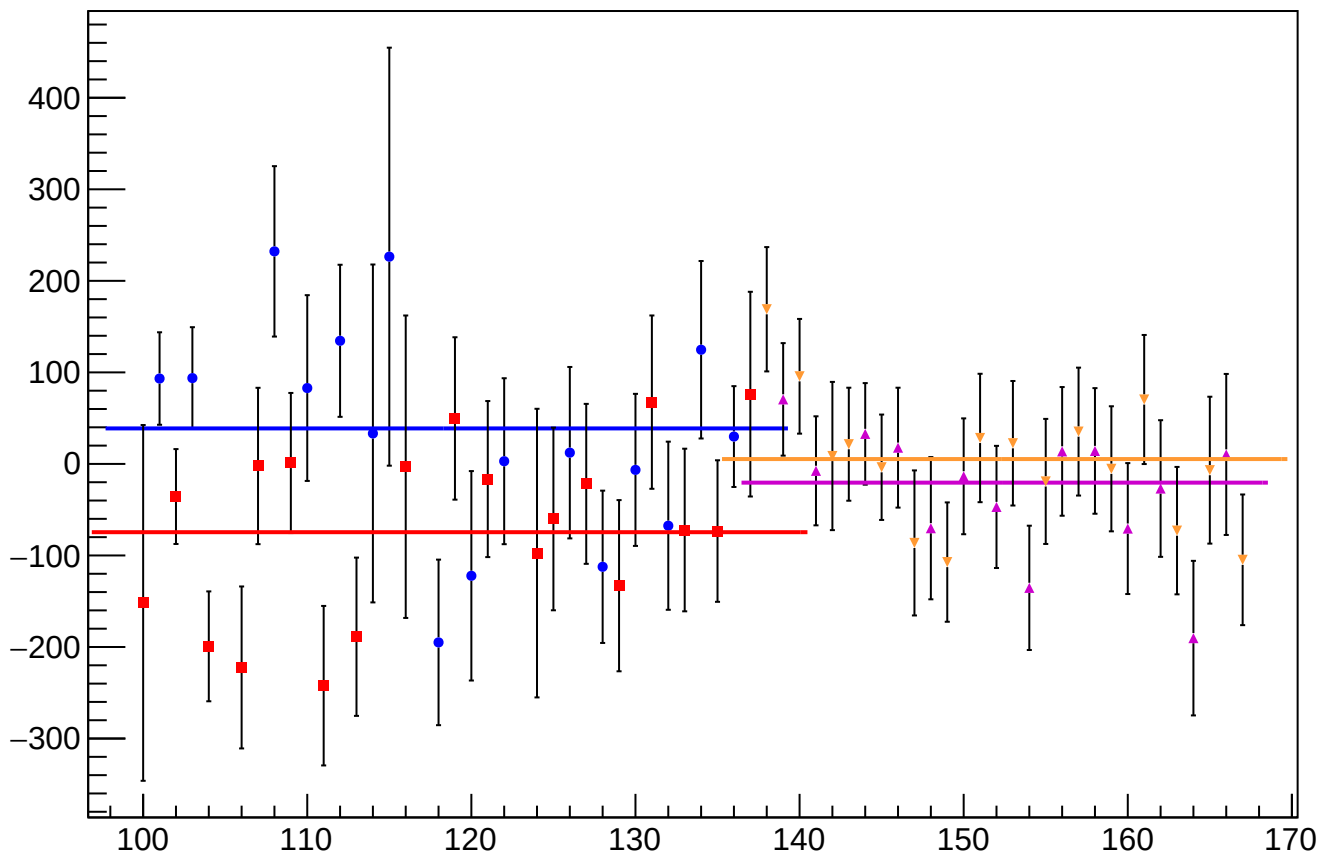
Left In: 0.000+/-0.000 χ^2/NDF : 1406454.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 9075959.6/31

All: 0.000+/-0.000 χ^2/NDF : 15335178.2/64

- sign 0.000+/-0.000 χ^2/NDF : 5432809.0/32

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782 ± 20.413 χ^2/NDF : 23.3/15

Left Out: 5.311 ± 17.162 χ^2/NDF : 17.3/15

Right Out: -74.578 ± 19.802 χ^2/NDF : 22.5/18

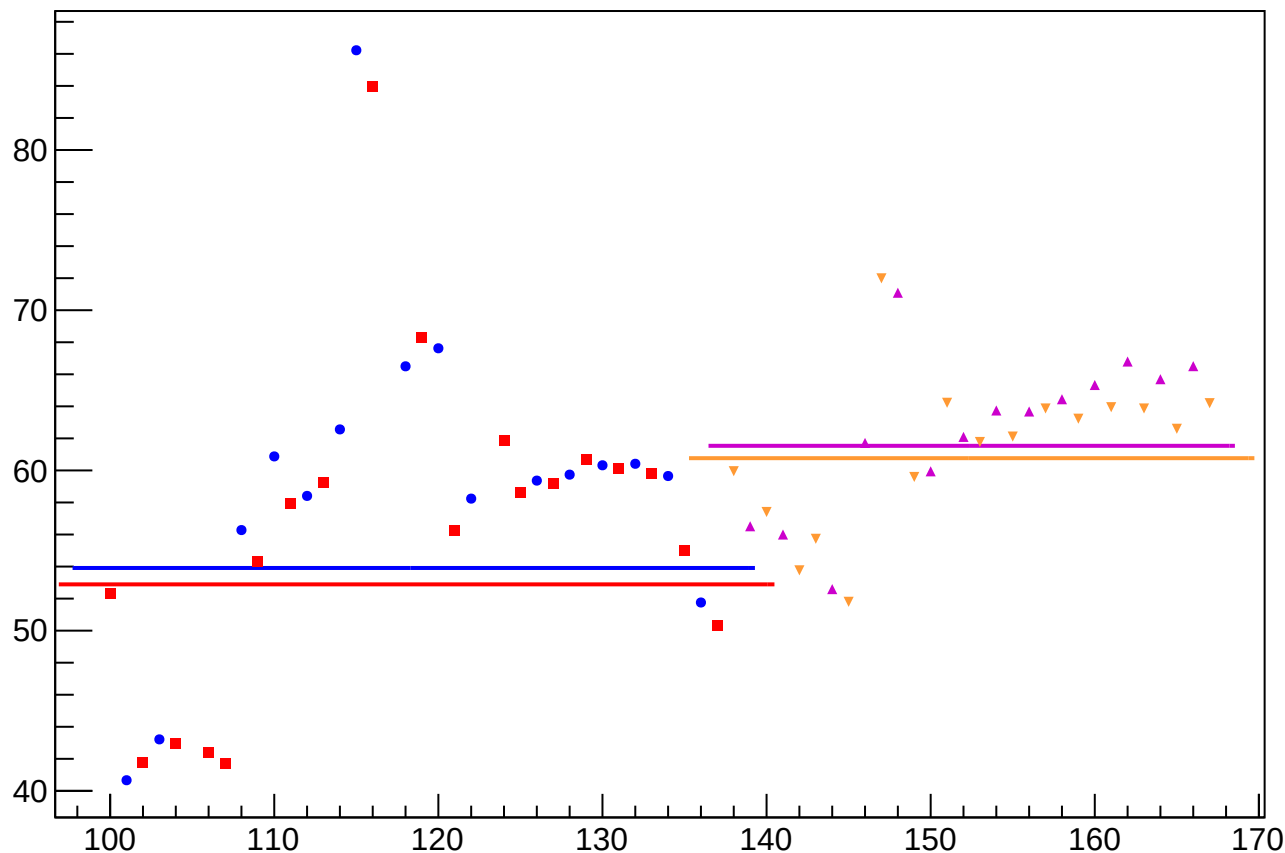
Left In: -20.455 ± 18.193 χ^2/NDF : 12.1/13

+ sign 19.173 ± 13.136 χ^2/NDF : 42.2/31

All: -12.396 ± 9.380 χ^2/NDF : 92.6/64

- sign -45.230 ± 13.397 χ^2/NDF : 38.6/32

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393261.4/15

Left Out: 60.765 $\pm$ 0.012 χ^2 /NDF: 149915.6/15

Right Out: 52.889 $\pm$ 0.014 χ^2 /NDF: 425226.7/18

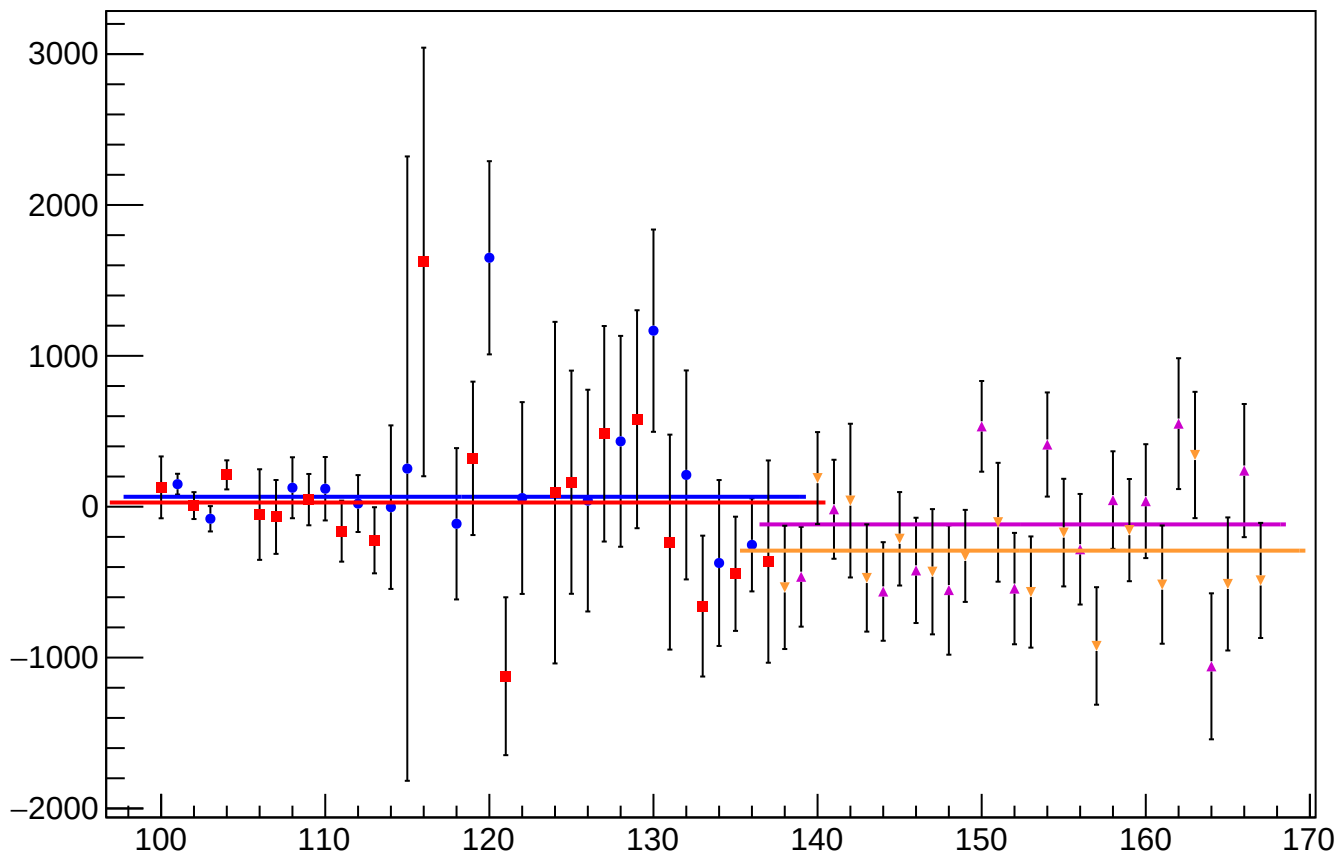
Left In: 61.537 $\pm$ 0.013 χ^2 /NDF: 148648.5/13

+ sign 57.927 $\pm$ 0.009 χ^2 /NDF: 675218.1/31

All: 57.756 $\pm$ 0.007 χ^2 /NDF: 1456632.6/64

- sign 57.578 $\pm$ 0.009 χ^2 /NDF: 780724.4/32

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853 ± 46.478 χ^2/NDF : 15.7/15

Left Out: -291.169 ± 92.575 χ^2/NDF : 10.5/15

Right Out: 27.850 ± 50.291 χ^2/NDF : 18.0/18

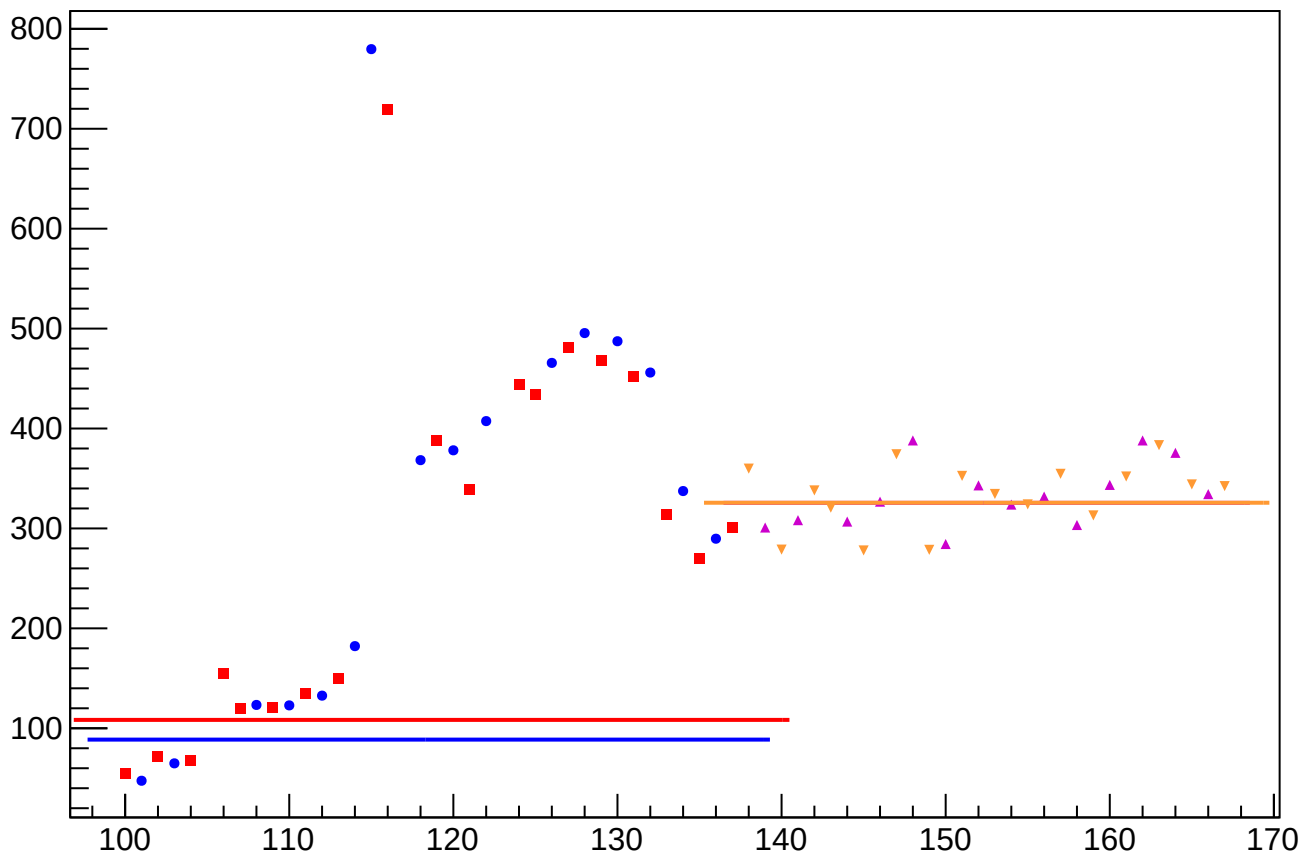
Left In: -117.235 ± 96.672 χ^2/NDF : 20.6/13

+ sign -6.023 ± 41.537 χ^2/NDF : 38.1/31

All: -4.644 ± 30.401 χ^2/NDF : 78.5/64

- sign -3.052 ± 44.615 χ^2/NDF : 40.4/32

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2 /NDF: 6648055.6/15

Left Out: 325.713+/-0.065 χ^2 /NDF: 263905.7/15

Right Out: 108.385+/-0.036 χ^2 /NDF: 5362841.6/18

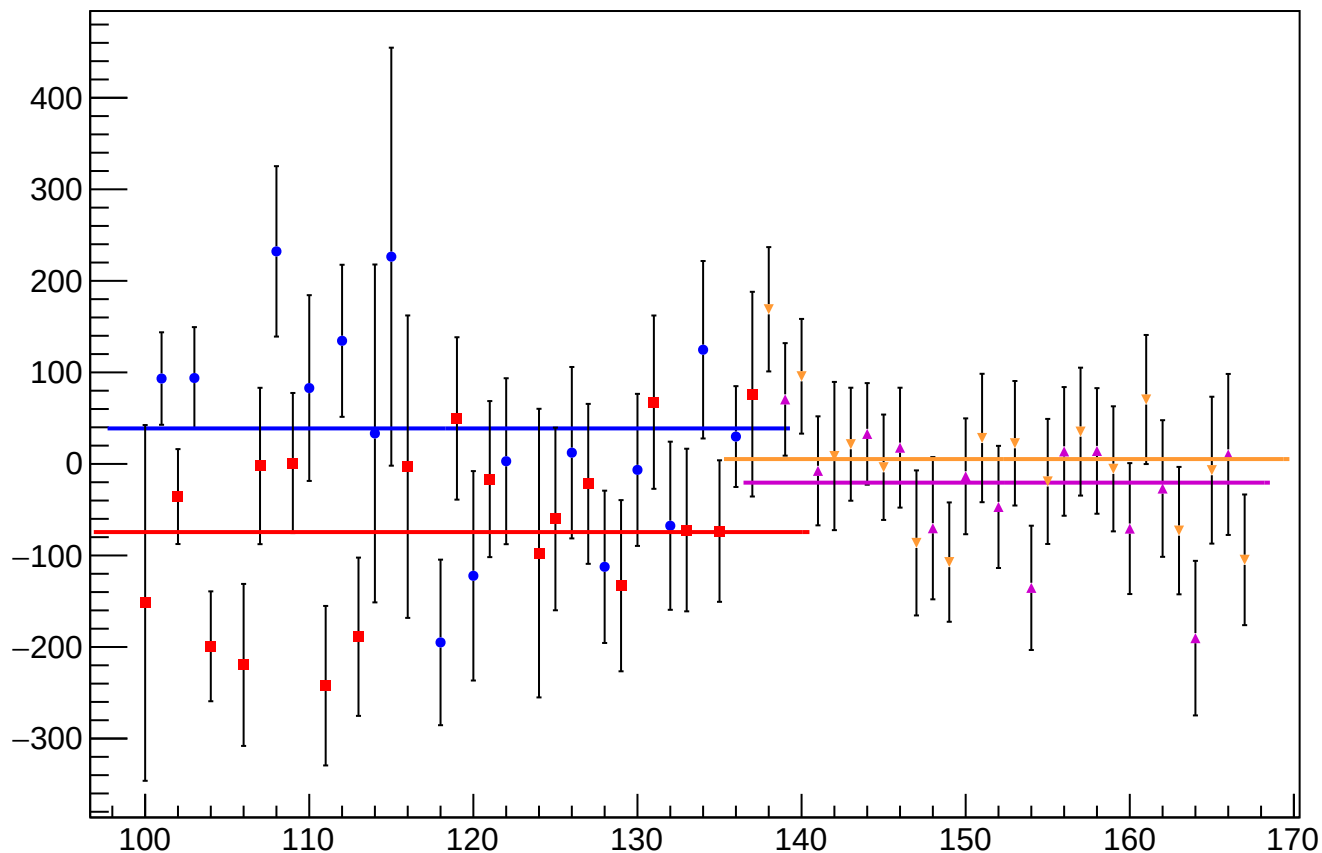
Left In: 325.585+/-0.068 χ^2 /NDF: 186079.5/13

+ sign 136.382+/-0.029 χ^2 /NDF: 17386047.3/31

All: 144.863+/-0.021 χ^2 /NDF: 31060042.6/64

- sign 154.647+/-0.032 χ^2 /NDF: 13494444.1/32

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 ± 20.413 χ^2/NDF : 23.3/15

Left Out: 5.313 ± 17.162 χ^2/NDF : 17.3/15

Right Out: -74.442 ± 19.803 χ^2/NDF : 22.3/18

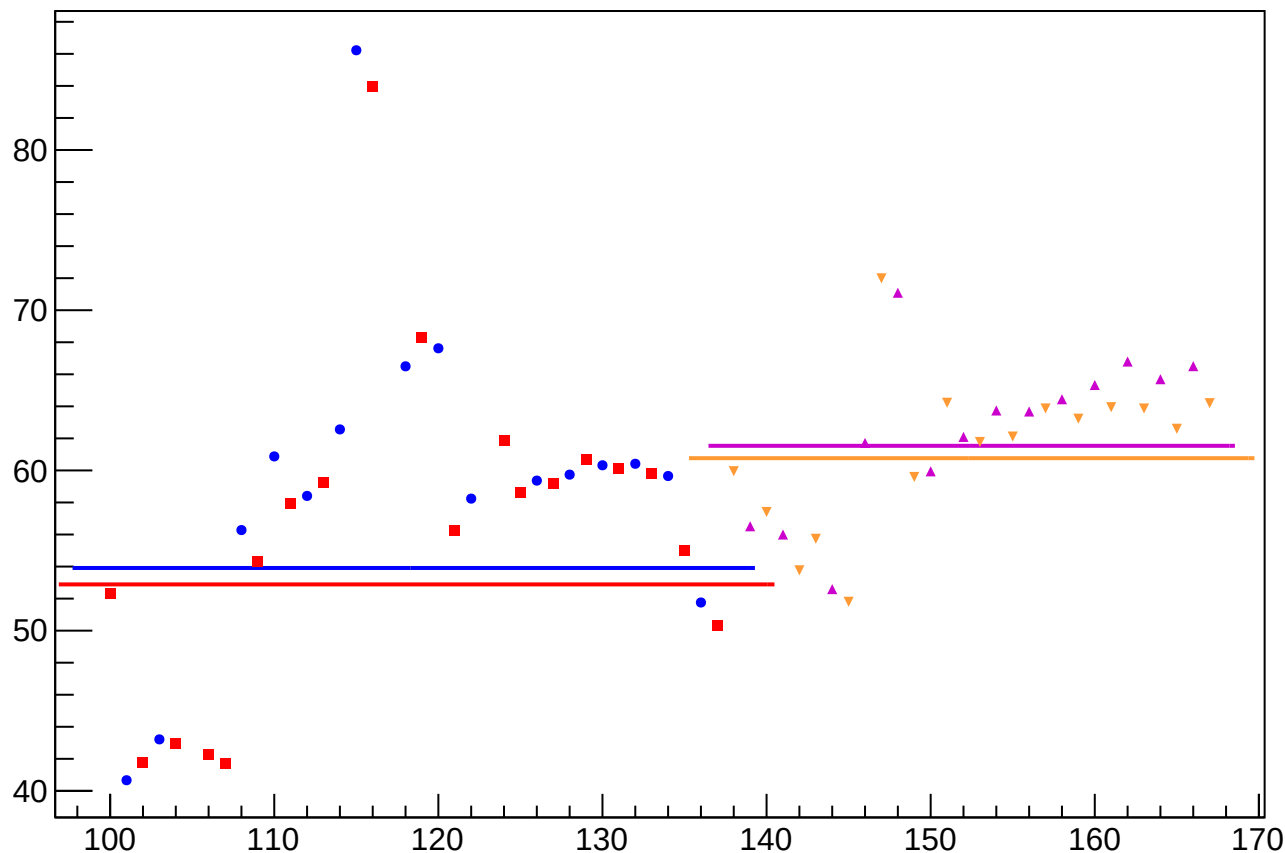
Left In: -20.454 ± 18.193 χ^2/NDF : 12.1/13

+ sign 19.178 ± 13.136 χ^2/NDF : 42.2/31

All: -12.360 ± 9.380 χ^2/NDF : 92.5/64

- sign -45.165 ± 13.398 χ^2/NDF : 38.5/32

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 ± 0.014 χ^2/NDF : 393260.8/15

Left Out: 60.765 ± 0.012 χ^2/NDF : 149915.6/15

Right Out: 52.887 ± 0.014 χ^2/NDF : 425534.3/18

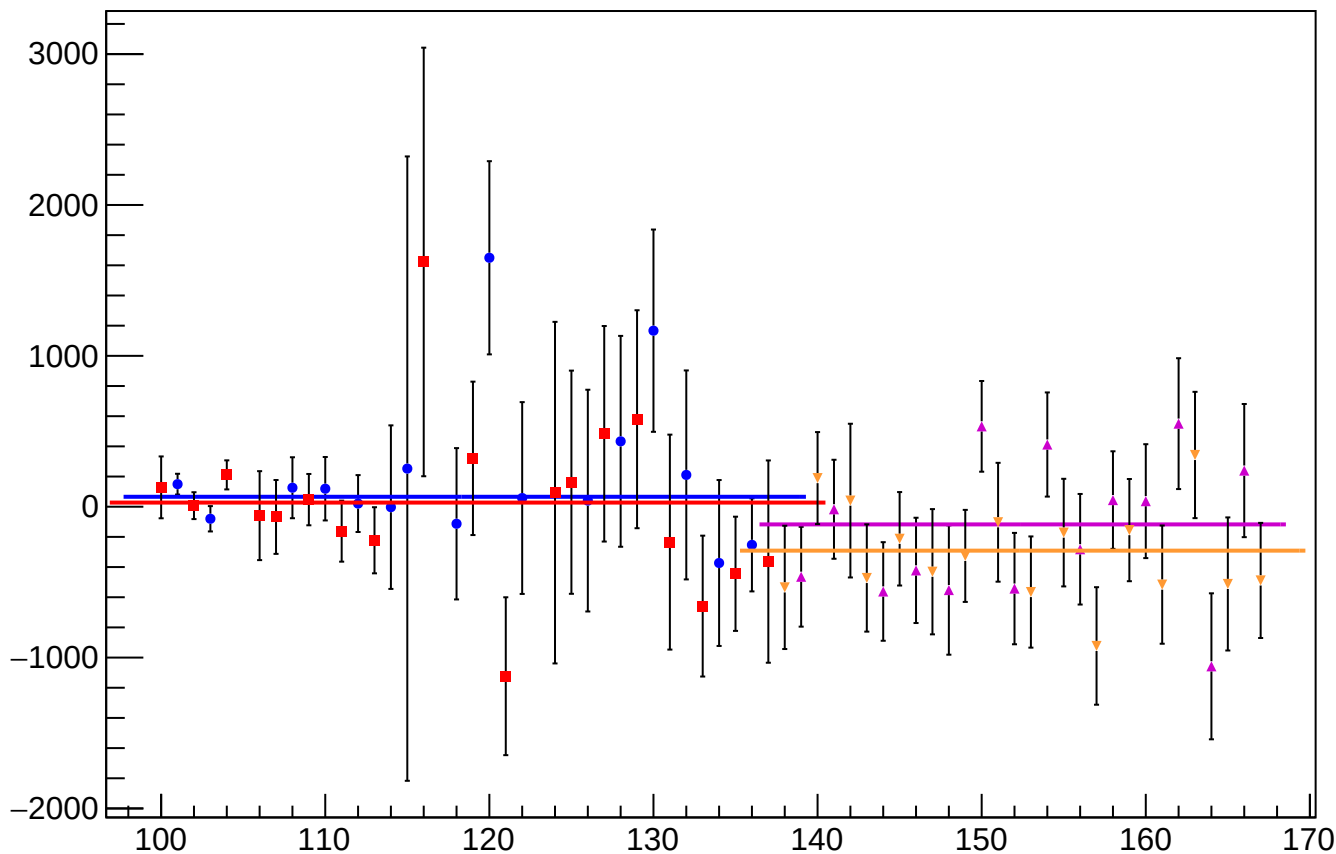
Left In: 61.537 ± 0.013 χ^2/NDF : 148648.5/13

+ sign 57.927 ± 0.009 χ^2/NDF : 675217.2/31

All: 57.756 ± 0.007 χ^2/NDF : 1457033.6/64

- sign 57.578 ± 0.009 χ^2/NDF : 781123.5/32

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857 ± 46.477 χ^2/NDF : 15.7/15

Left Out: -291.167 ± 92.575 χ^2/NDF : 10.5/15

Right Out: 27.406 ± 50.249 χ^2/NDF : 18.0/18

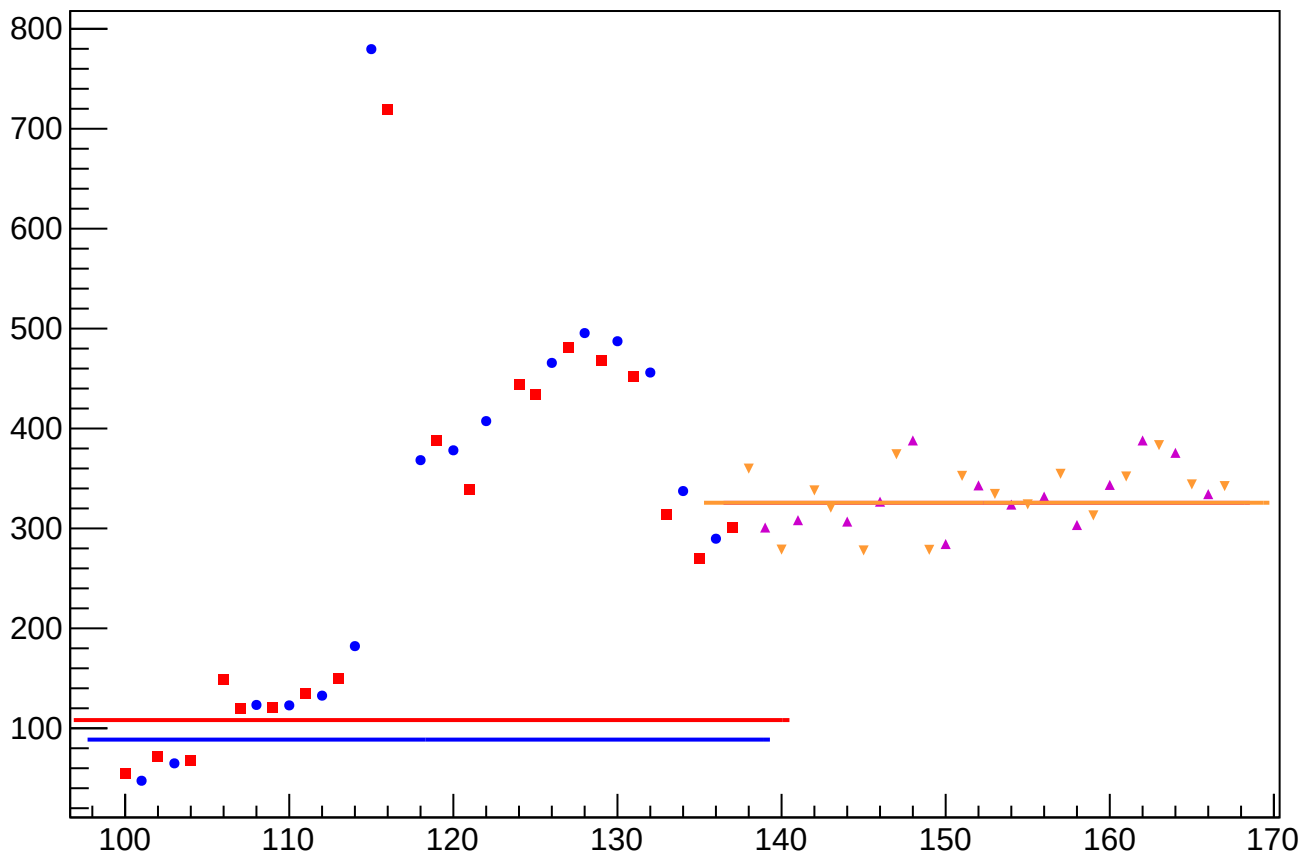
Left In: -117.234 ± 96.672 χ^2/NDF : 20.6/13

+ sign -6.017 ± 41.537 χ^2/NDF : 38.1/31

All: -4.783 ± 30.391 χ^2/NDF : 78.5/64

- sign -3.360 ± 44.585 χ^2/NDF : 40.4/32

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 325.713+/-0.065 χ^2/NDF : 263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

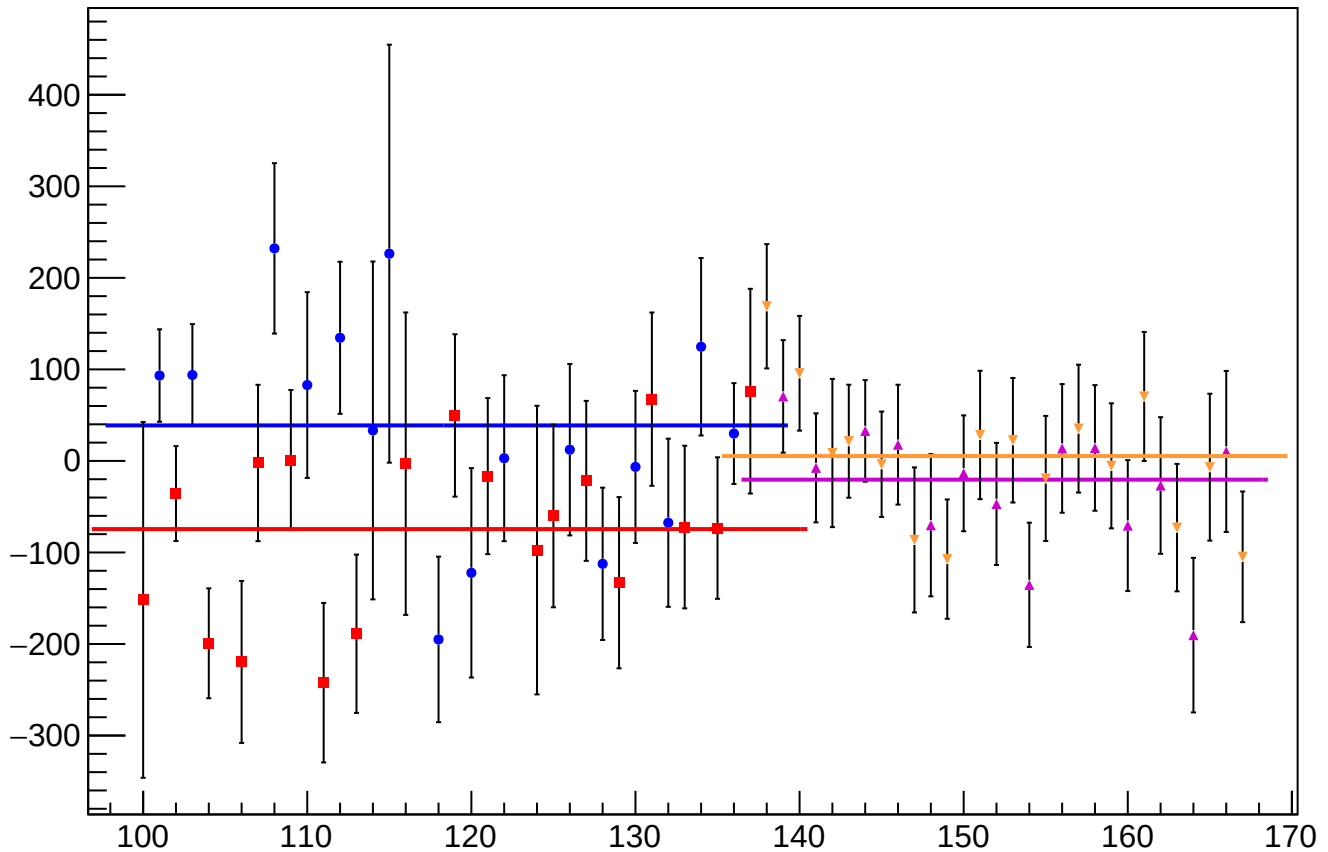
Left In: 325.584+/-0.068 χ^2/NDF : 186083.9/13

+ sign 136.378+/-0.029 χ^2/NDF : 17386445.9/31

All: 144.773+/-0.021 χ^2/NDF : 31064655.9/64

- sign 154.444+/-0.032 χ^2/NDF : 13502417.5/32

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 $\pm$ 20.413 χ^2 /NDF: 23.3/15

Left Out: 5.313 $\pm$ 17.162 χ^2 /NDF: 17.3/15

Right Out: -74.442 $\pm$ 19.803 χ^2 /NDF: 22.3/18

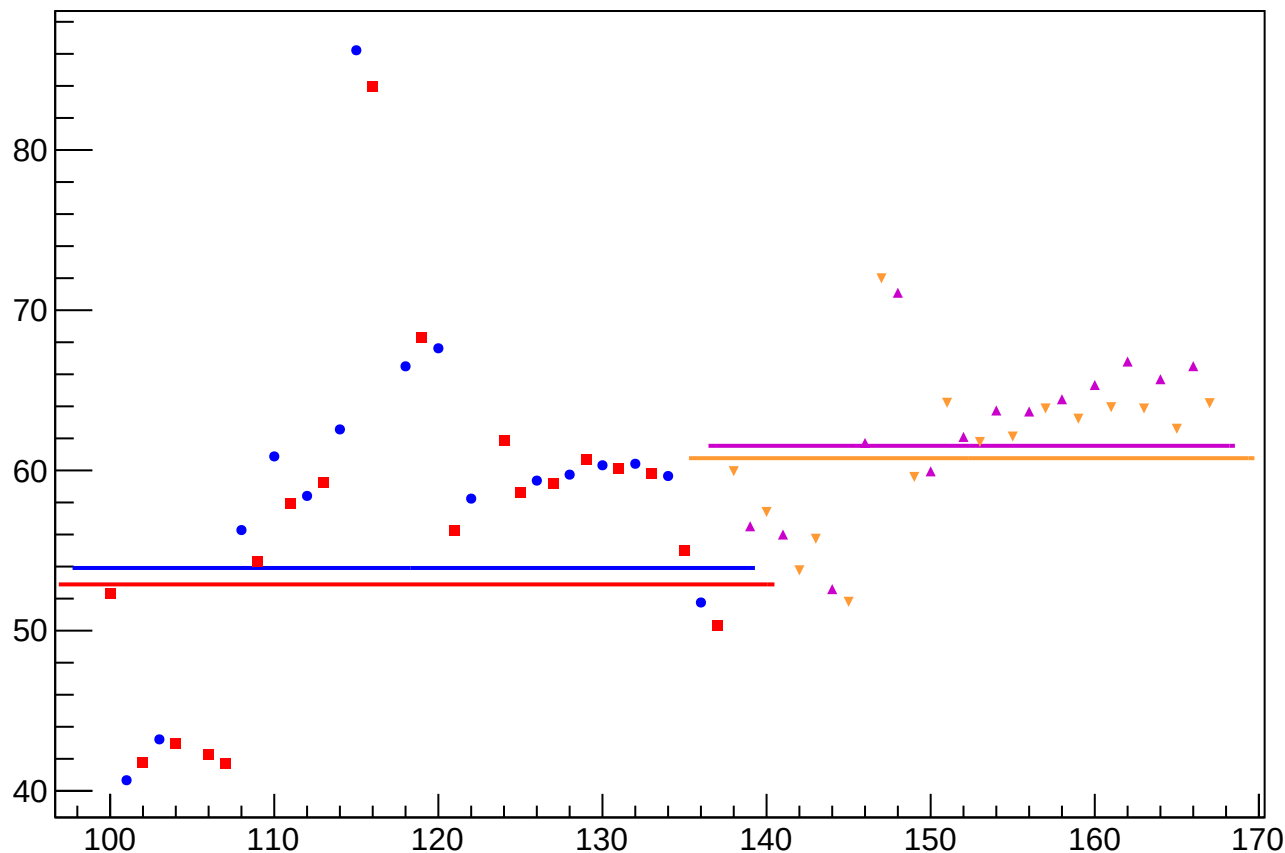
Left In: -20.454 $\pm$ 18.193 χ^2 /NDF: 12.1/13

+ sign 19.178 $\pm$ 13.136 χ^2 /NDF: 42.2/31

All: -12.360 $\pm$ 9.380 χ^2 /NDF: 92.5/64

- sign -45.165 $\pm$ 13.398 χ^2 /NDF: 38.5/32

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393260.8/15

Left Out: 60.765 $\pm$ 0.012 χ^2 /NDF:149915.6/15

Right Out: 52.887 $\pm$ 0.014 χ^2 /NDF: 425534.3/18

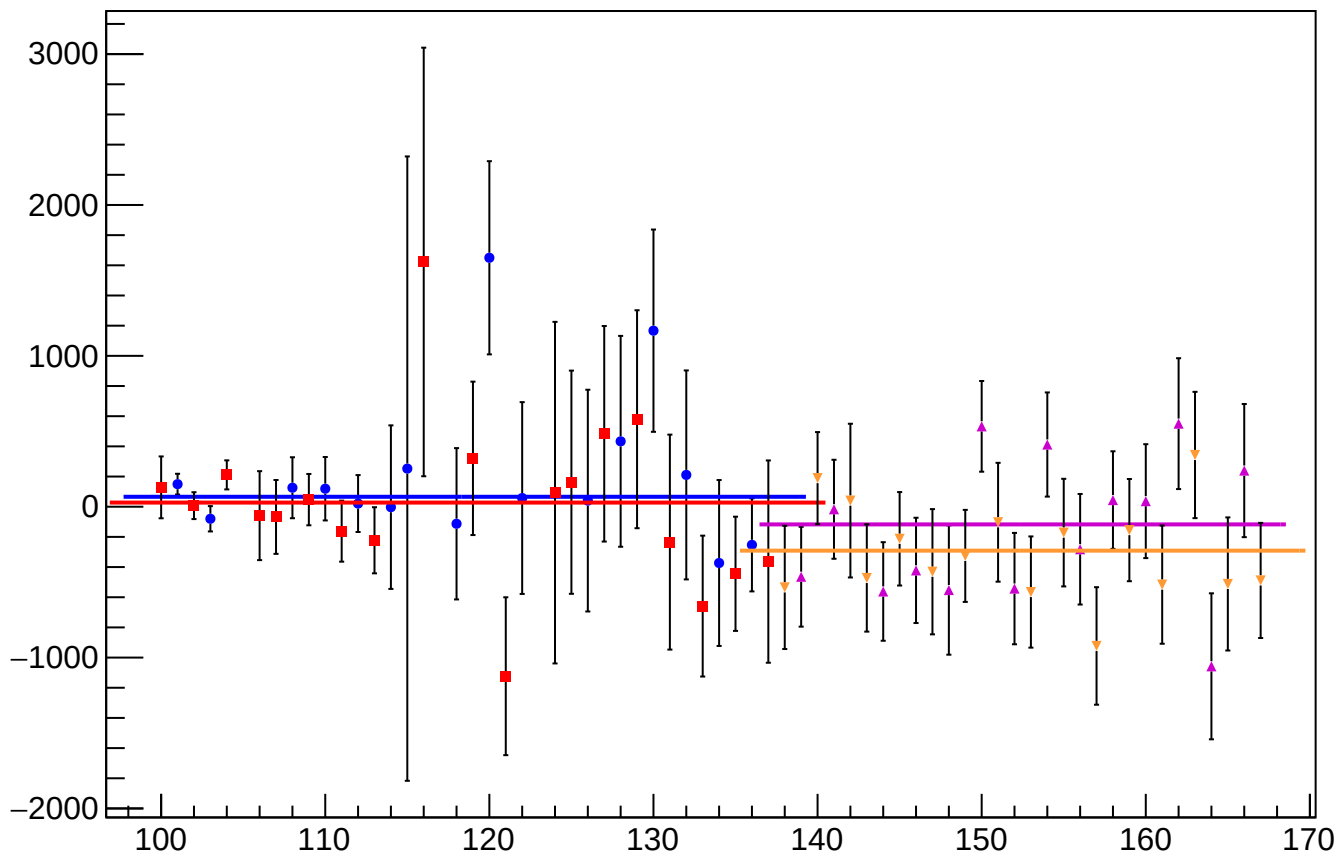
Left In: 61.537 $\pm$ 0.013 χ^2 /NDF:148648.5/13

+ sign 57.927 $\pm$ 0.009 χ^2 /NDF: 675217.2/31

All: 57.756 $\pm$ 0.007 χ^2 /NDF: 1457033.6/64

- sign 57.578 $\pm$ 0.009 χ^2 /NDF: 781123.5/32

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 65.857 ± 46.477 χ^2/NDF : 15.7/15

Left Out: -291.167 ± 92.575 χ^2/NDF : 10.5/15

Right Out: 27.406 ± 50.249 χ^2/NDF : 18.0/18

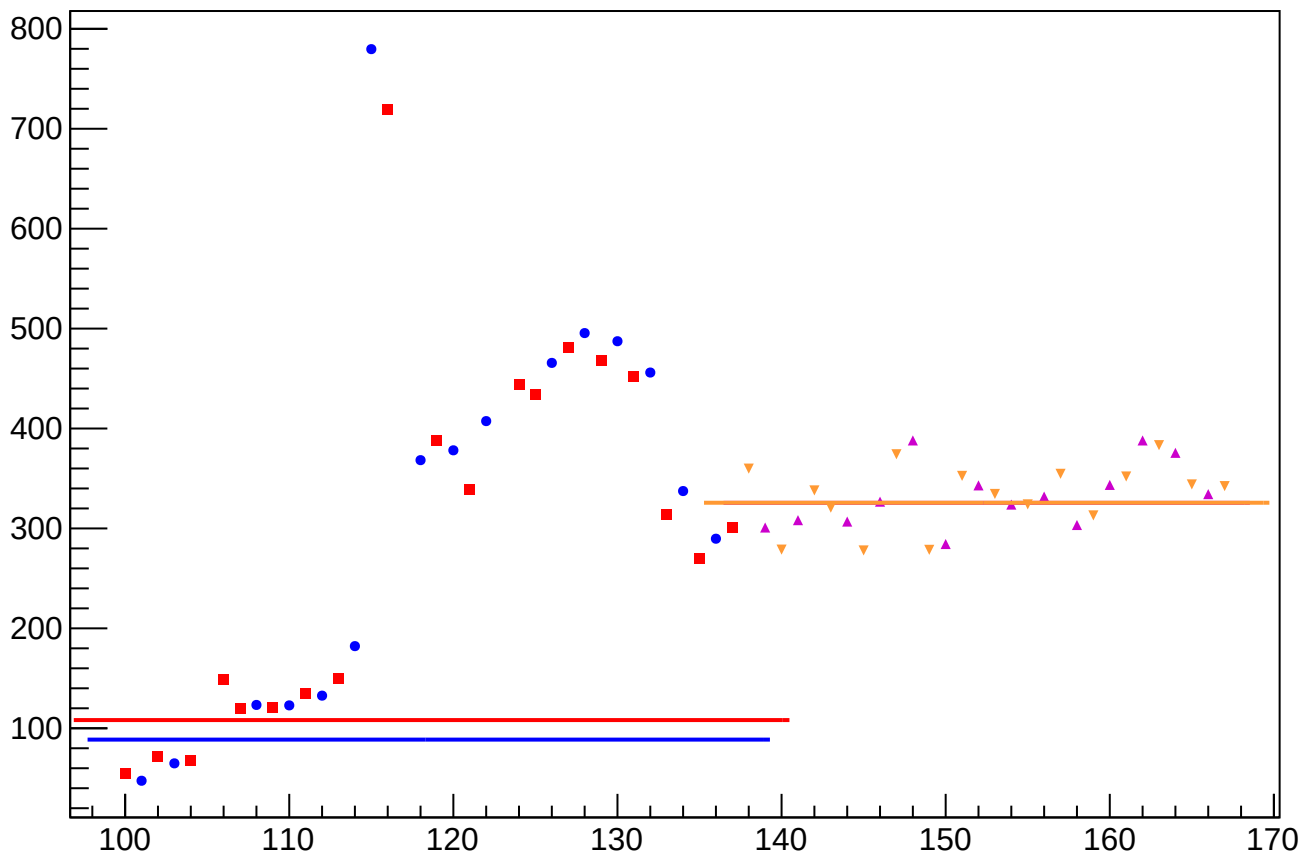
Left In: -117.234 ± 96.672 χ^2/NDF : 20.6/13

+ sign -6.017 ± 41.537 χ^2/NDF : 38.1/31

All: -4.783 ± 30.391 χ^2/NDF : 78.5/64

- sign -3.360 ± 44.585 χ^2/NDF : 40.4/32

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2 /NDF: 6648135.5/15

Left Out: 325.713+/-0.065 χ^2 /NDF: 263904.5/15

Right Out: 108.207+/-0.036 χ^2 /NDF: 5354864.8/18

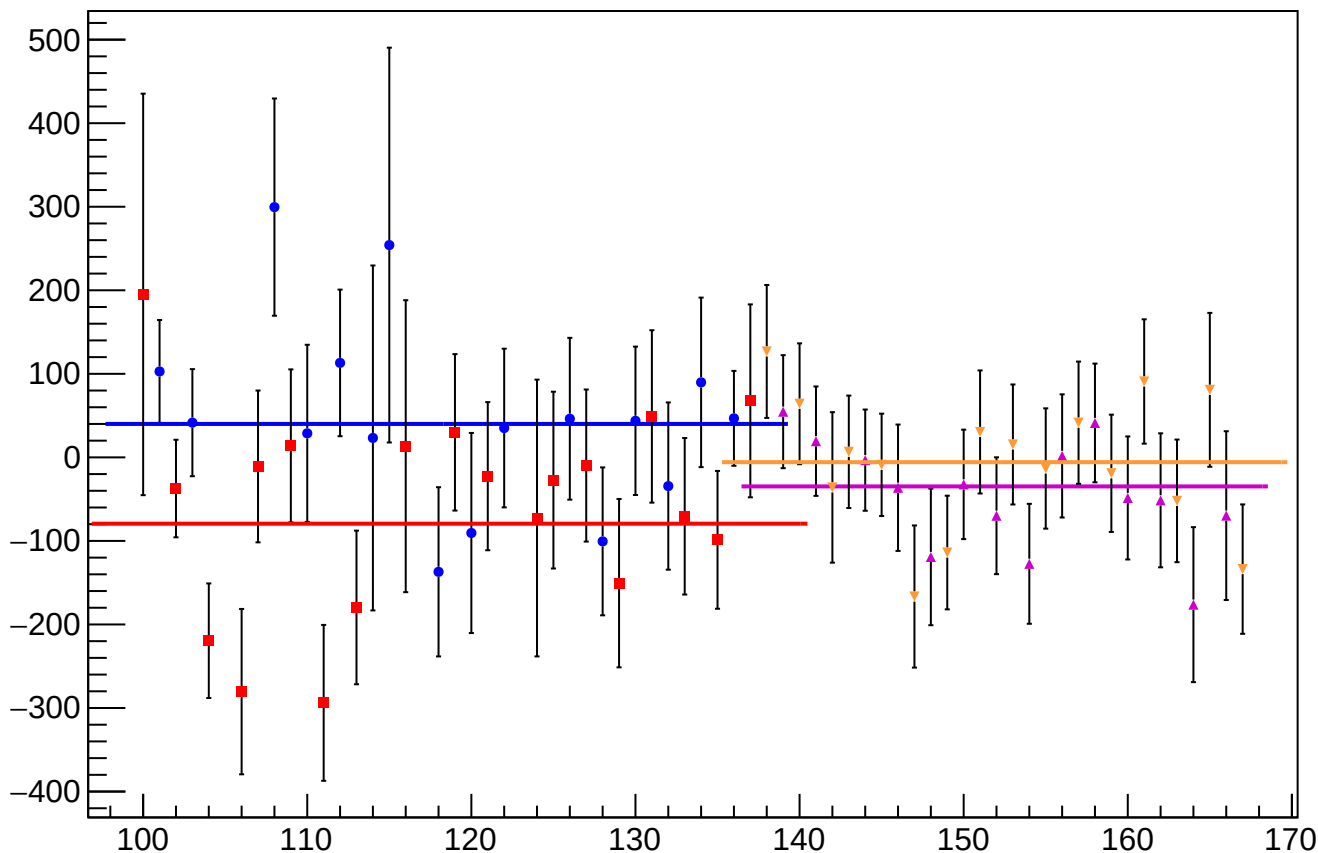
Left In: 325.584+/-0.068 χ^2 /NDF: 186083.9/13

+ sign 136.378+/-0.029 χ^2 /NDF: 17386445.9/31

All: 144.773+/-0.021 χ^2 /NDF: 31064655.9/64

- sign 154.444+/-0.032 χ^2 /NDF: 13502417.5/32

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 $\pm$ 22.515 χ^2 /NDF: 14.1/15

Left Out: -5.741 $\pm$ 18.488 χ^2 /NDF: 16.4/15

Right Out: -79.378 $\pm$ 21.577 χ^2 /NDF: 24.8/18

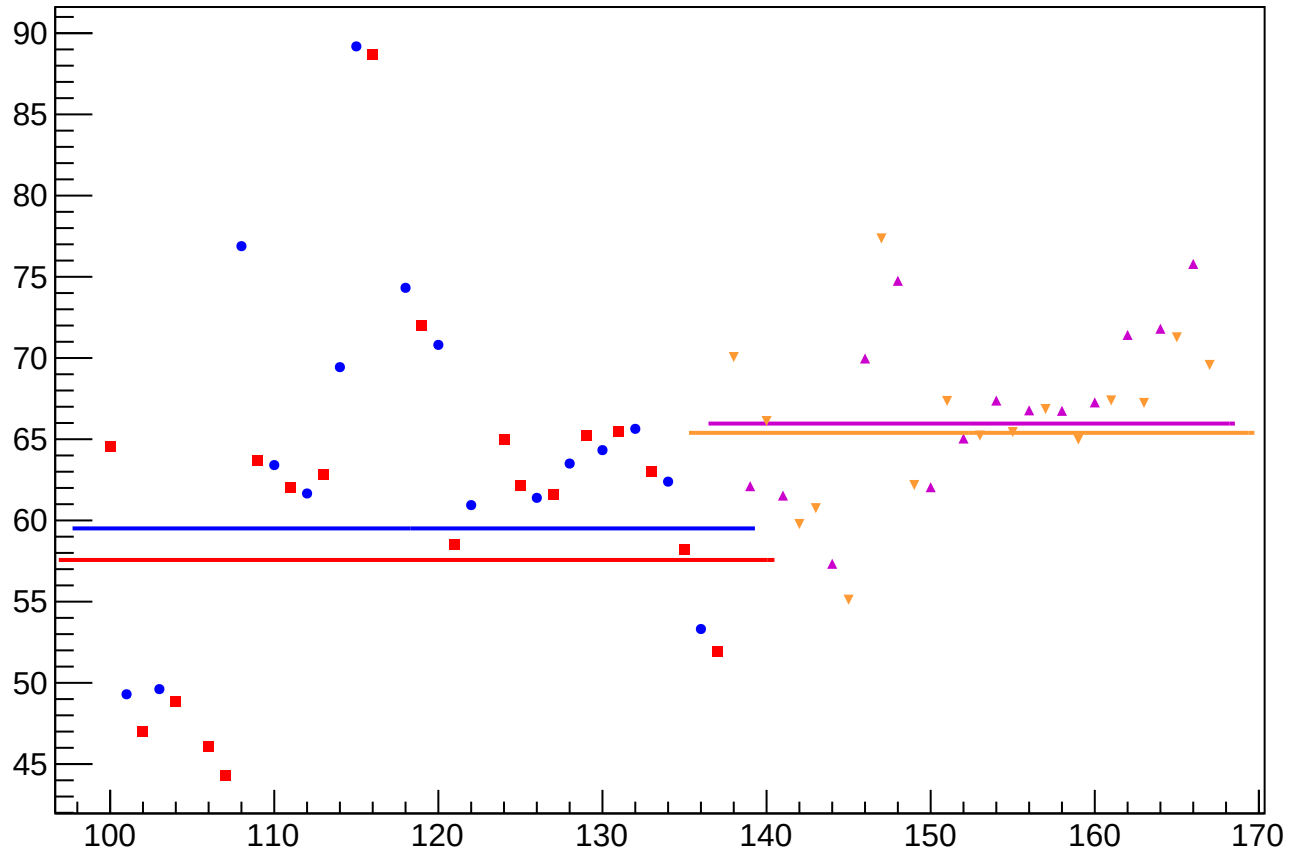
Left In: -34.764 $\pm$ 19.548 χ^2 /NDF: 9.6/13

+ sign 12.692 $\pm$ 14.288 χ^2 /NDF: 33.1/31

All: -20.624 $\pm$ 10.173 χ^2 /NDF: 80.9/64

- sign -54.875 $\pm$ 14.487 χ^2 /NDF: 36.8/32

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509 $\pm$ 0.016 χ^2 /NDF: 283192.7/15

Left Out: 65.393 $\pm$ 0.013 χ^2 /NDF: 143628.3/15

Right Out: 57.567 $\pm$ 0.015 χ^2 /NDF: 347377.8/18

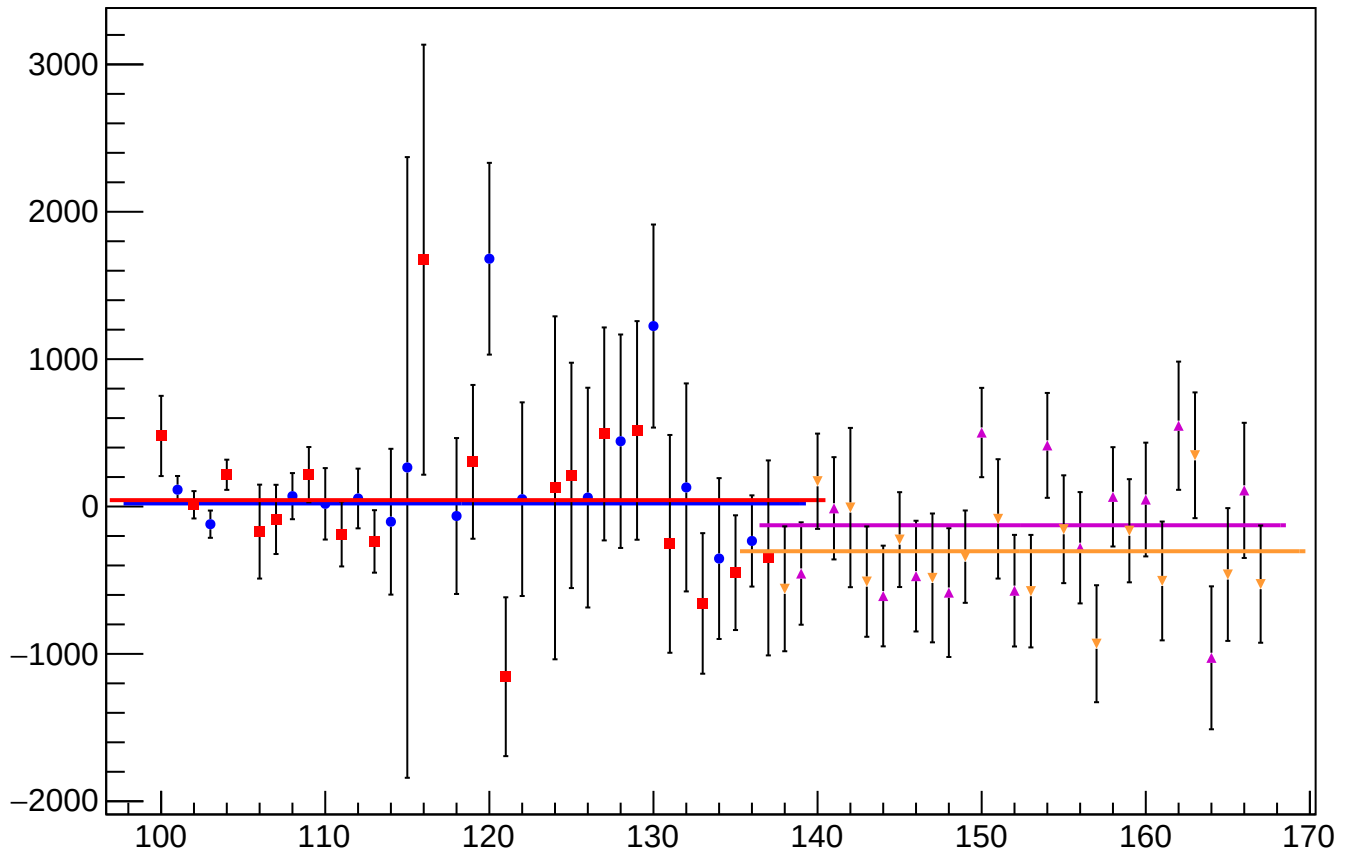
Left In: 65.964 $\pm$ 0.014 χ^2 /NDF: 130547.0/13

+ sign 63.023 $\pm$ 0.010 χ^2 /NDF: 508420.1/31

All: 62.607 $\pm$ 0.007 χ^2 /NDF: 1156152.7/64

- sign 62.179 $\pm$ 0.010 χ^2 /NDF: 644286.0/32

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840 ± 53.585 $\chi^2/\text{NDF}: 14.6/15$

Left Out: -303.453 ± 95.959 $\chi^2/\text{NDF}: 10.0/15$

Right Out: 43.262 ± 53.210 $\chi^2/\text{NDF}: 21.5/18$

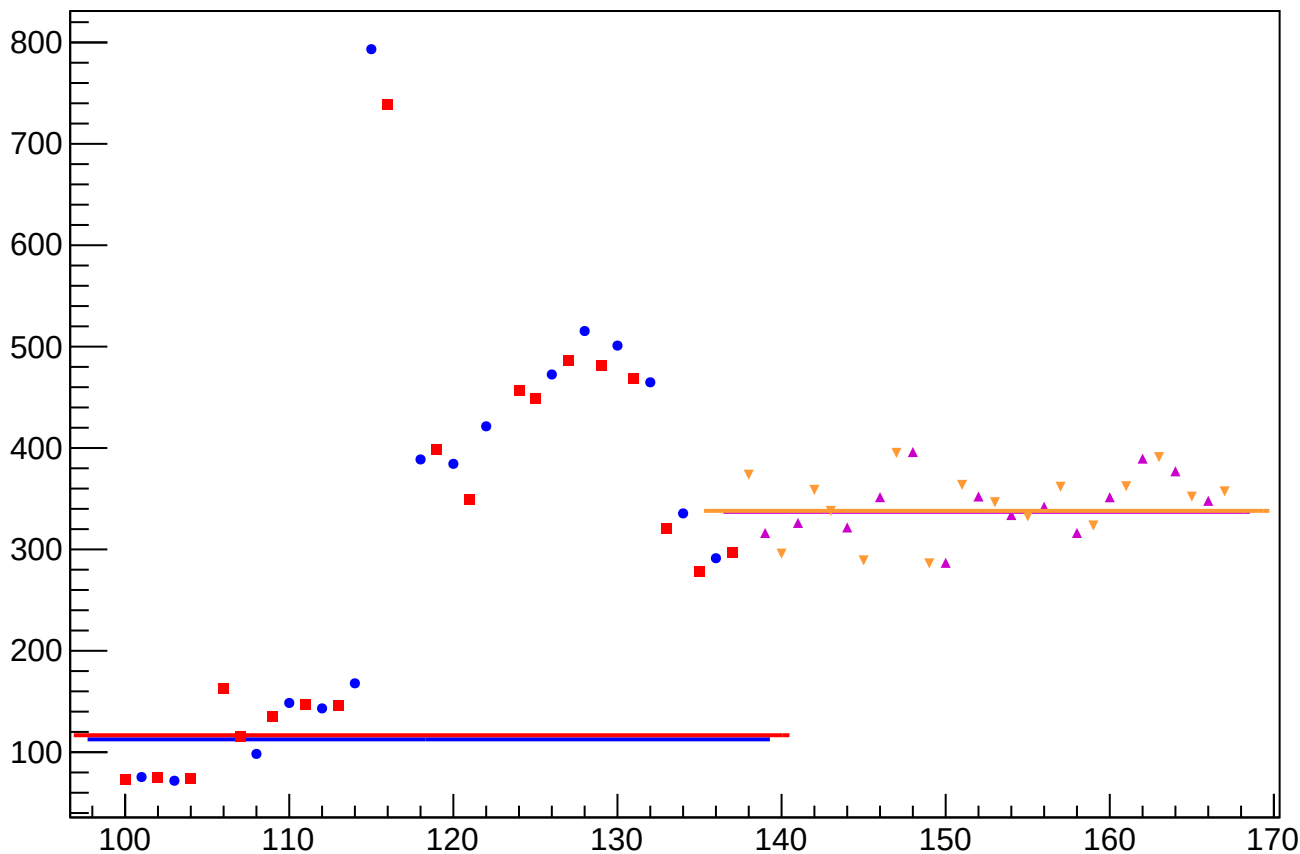
Left In: -127.184 ± 99.974 $\chi^2/\text{NDF}: 19.7/13$

+ sign -56.246 ± 46.785 $\chi^2/\text{NDF}: 33.3/31$

All: -25.428 ± 33.148 $\chi^2/\text{NDF}: 77.7/64$

- sign 5.636 ± 46.971 $\chi^2/\text{NDF}: 43.5/32$

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668 $\pm$ 0.038 χ^2 /NDF: 5599655.1/15

Left Out: 338.029 $\pm$ 0.068 χ^2 /NDF: 250768.5/15

Right Out: 116.733 $\pm$ 0.038 χ^2 /NDF: 5141387.7/18

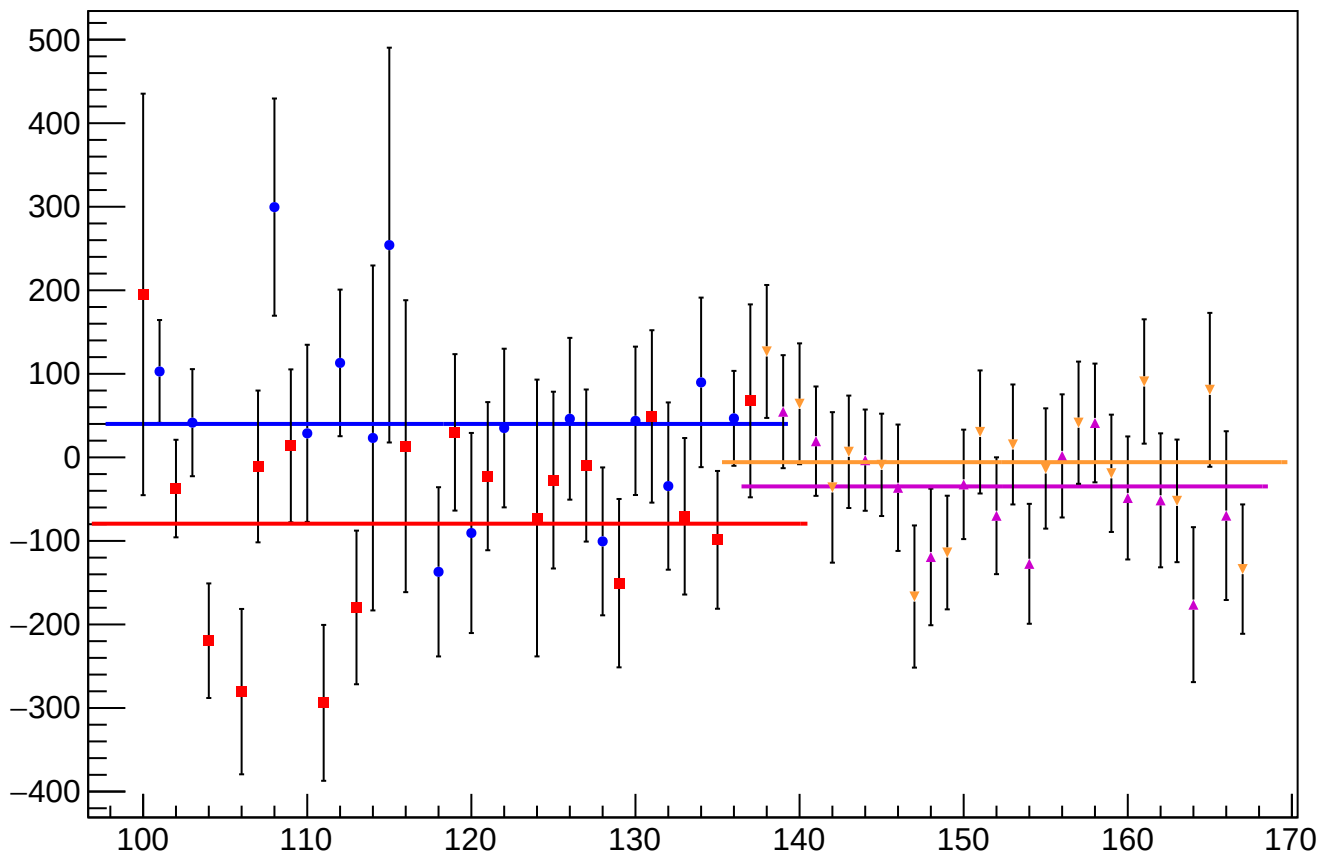
Left In: 337.039 $\pm$ 0.071 χ^2 /NDF: 165648.9/13

+ sign 166.238 $\pm$ 0.033 χ^2 /NDF: 14259287.4/31

All: 165.803 $\pm$ 0.023 χ^2 /NDF: 27134844.8/64

- sign 165.365 $\pm$ 0.033 χ^2 /NDF: 12875210.8/32

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 $\pm$ 22.515 χ^2 /NDF: 14.1/15

Left Out: -5.741 $\pm$ 18.488 χ^2 /NDF:16.4/15

Right Out: -79.378 $\pm$ 21.577 χ^2 /NDF: 24.8/18

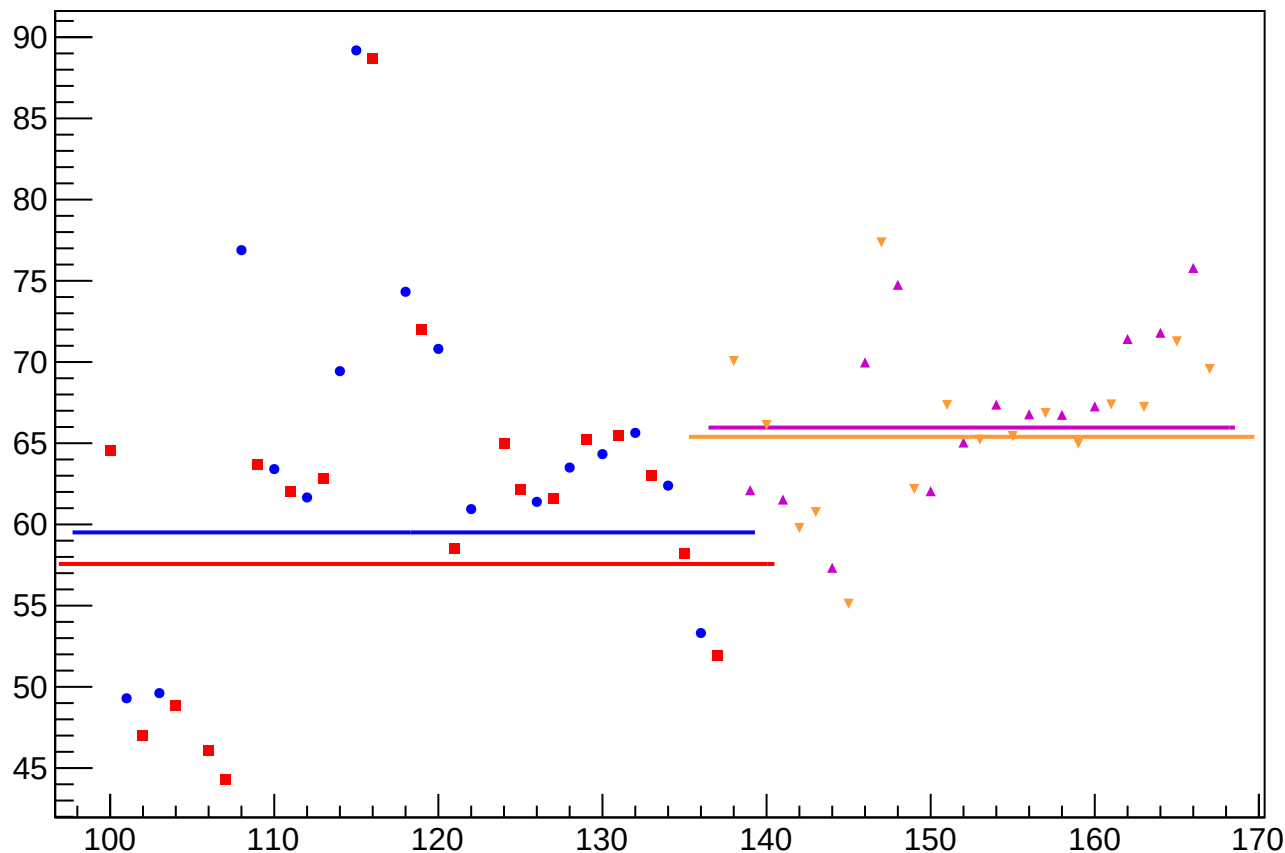
Left In: -34.764 $\pm$ 19.548 χ^2 /NDF:9.6/13

+ sign 12.692 $\pm$ 14.288 χ^2 /NDF: 33.1/31

All: -20.624 $\pm$ 10.173 χ^2 /NDF: 80.9/64

- sign -54.875 $\pm$ 14.487 χ^2 /NDF: 36.8/32

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509 ± 0.016 $\chi^2/\text{NDF}: 283190.4/15$

Left Out: 65.393 ± 0.013 $\chi^2/\text{NDF}: 143630.8/15$

Right Out: 57.567 ± 0.015 $\chi^2/\text{NDF}: 347374.2/18$

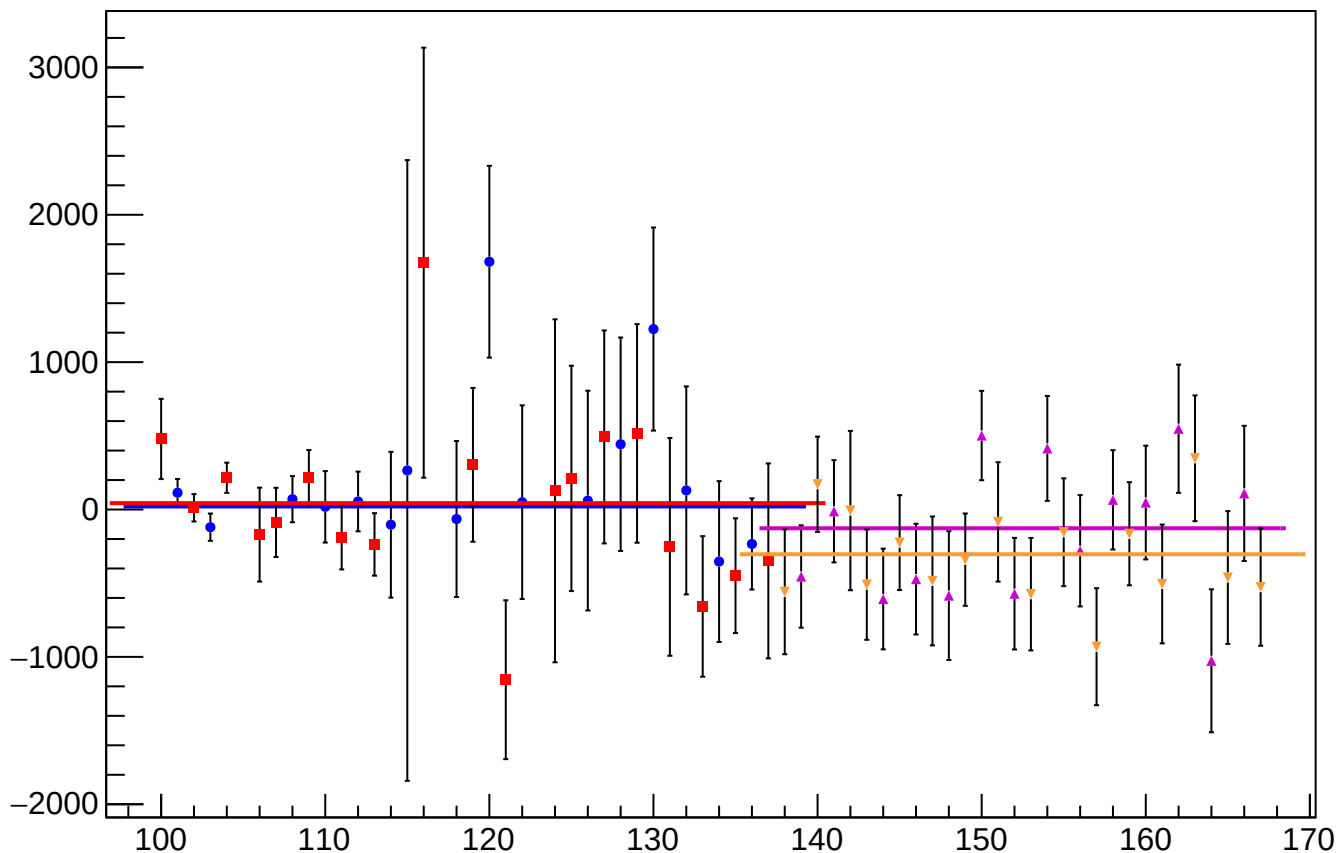
Left In: 65.964 ± 0.014 $\chi^2/\text{NDF}: 130543.2/13$

+ sign 63.023 ± 0.010 $\chi^2/\text{NDF}: 508425.7/31$

All: 62.607 ± 0.007 $\chi^2/\text{NDF}: 1156159.5/64$

- sign 62.179 ± 0.010 $\chi^2/\text{NDF}: 644287.3/32$

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: -303.453 $\pm$ 95.959 χ^2 /NDF:10.0/15

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

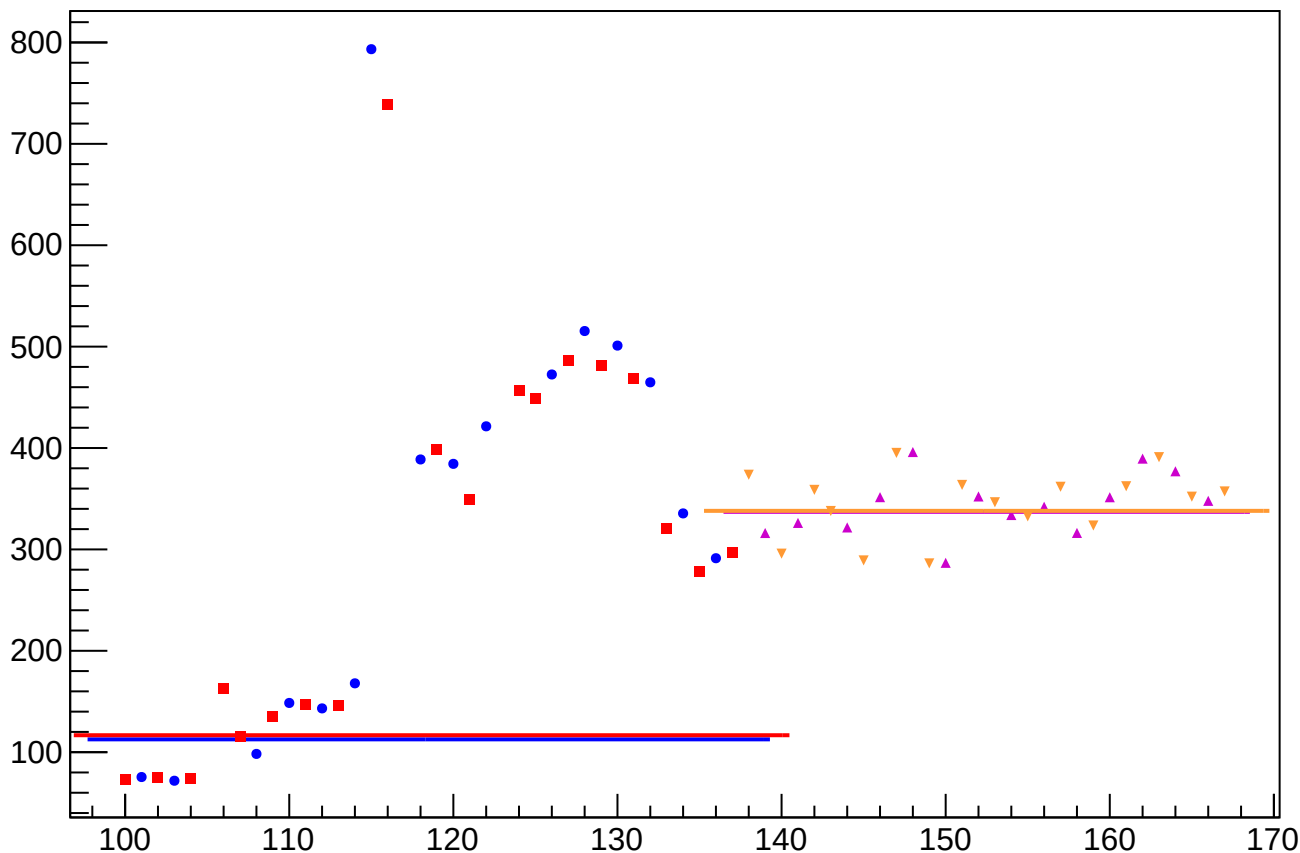
Left In: -127.184 $\pm$ 99.974 χ^2 /NDF:19.7/13

+ sign -56.246 $\pm$ 46.785 χ^2 /NDF: 33.3/31

All: -25.428 $\pm$ 33.148 χ^2 /NDF: 77.7/64

- sign 5.636 $\pm$ 46.971 χ^2 /NDF: 43.5/32

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668 $\pm$ 0.038 χ^2 /NDF: 5599653.6/15

Left Out: 338.030 $\pm$ 0.068 χ^2 /NDF: 250766.6/15

Right Out: 116.732 $\pm$ 0.038 χ^2 /NDF: 5141390.3/18

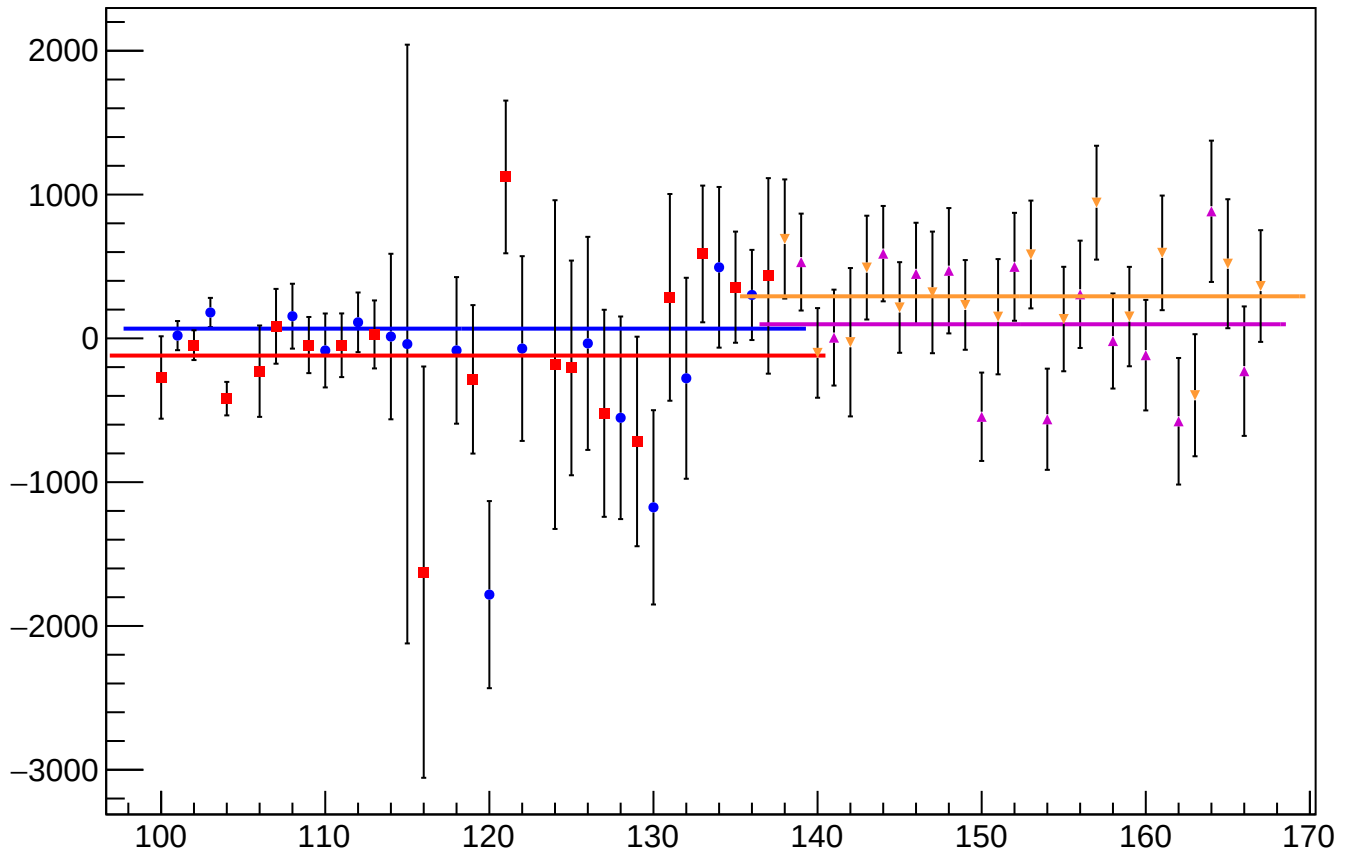
Left In: 337.040 $\pm$ 0.071 χ^2 /NDF: 165644.7/13

+ sign 166.237 $\pm$ 0.033 χ^2 /NDF: 14259334.1/31

All: 165.803 $\pm$ 0.023 χ^2 /NDF: 27134944.4/64

- sign 165.365 $\pm$ 0.033 χ^2 /NDF: 12875263.6/32

asym_sam_15_avg_mean vs Slug



Right In: 67.621 ± 59.169 χ^2/NDF : 15.8/15

Left Out: 292.487 ± 94.231 χ^2/NDF : 10.6/15

Right Out: -119.635 ± 57.941 χ^2/NDF : 21.1/18

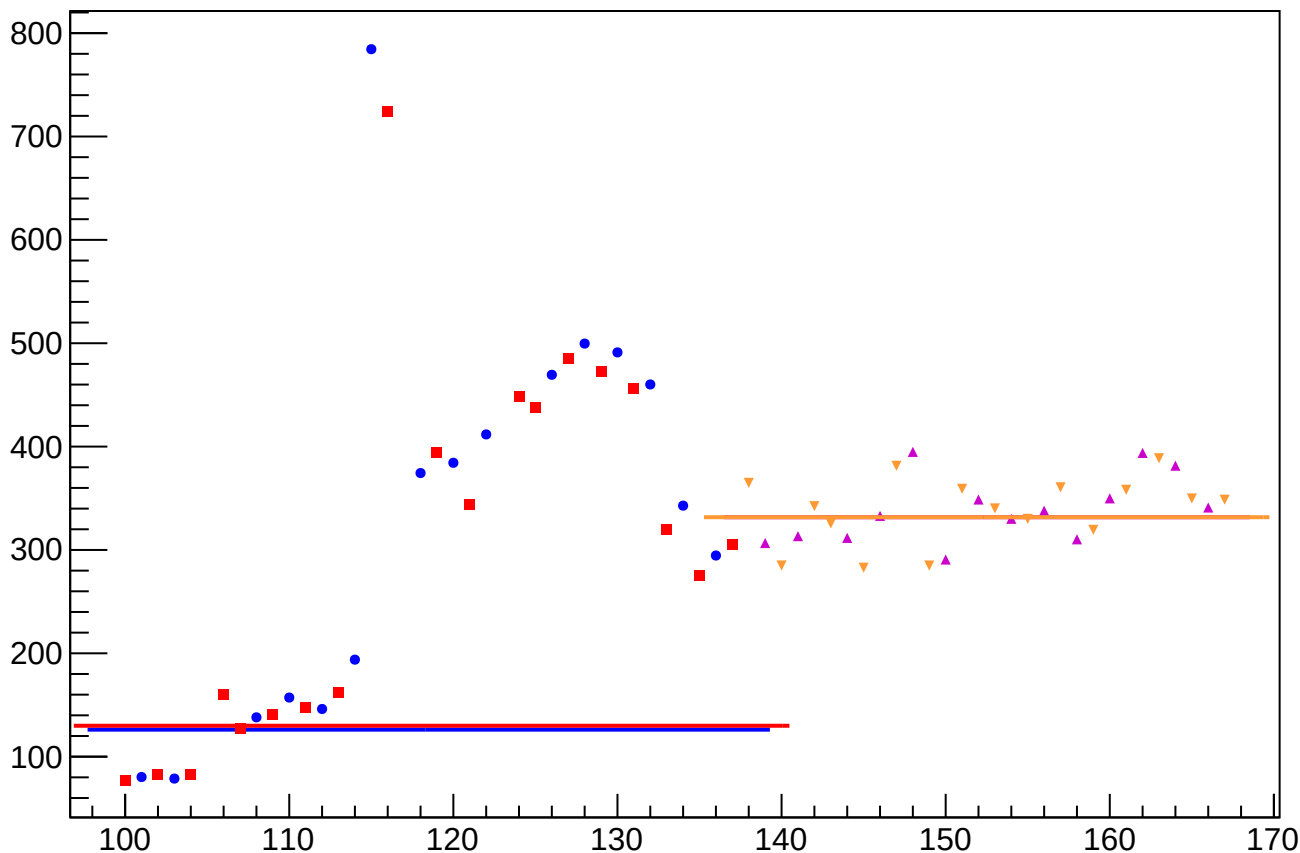
Left In: 98.105 ± 98.445 χ^2/NDF : 20.8/13

+ sign 131.209 ± 50.109 χ^2/NDF : 30.5/31

All: 33.456 ± 35.371 χ^2/NDF : 83.6/64

- sign -63.614 ± 49.934 χ^2/NDF : 45.6/32

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF : 5220128.2/15

Left Out: 331.681+/-0.067 χ^2/NDF : 255667.0/15

Right Out: 129.914+/-0.041 χ^2/NDF : 4647677.8/18

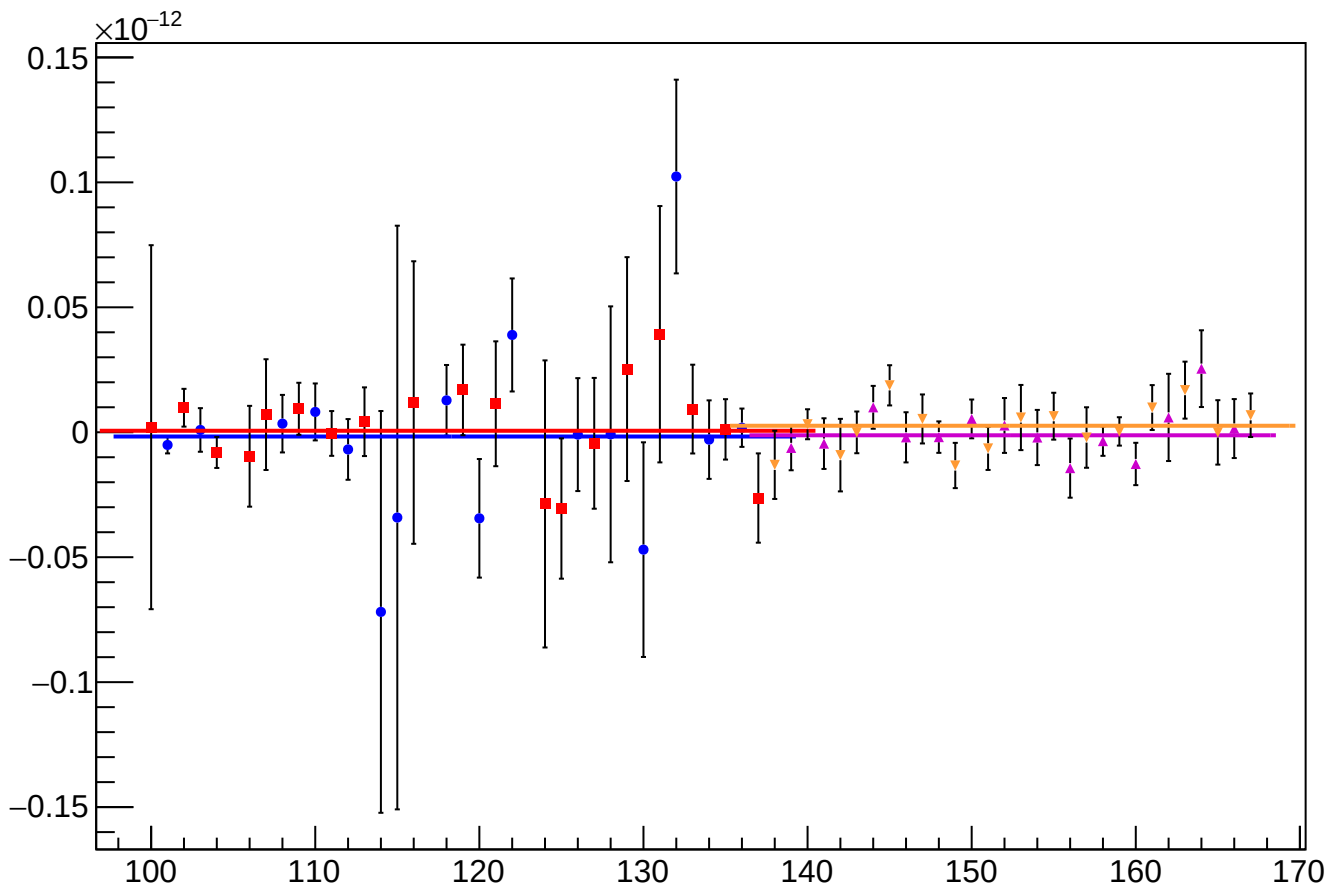
Left In: 331.669+/-0.070 χ^2/NDF : 180980.4/13

+ sign 184.273+/-0.035 χ^2/NDF : 12299646.1/31

All: 183.043+/-0.025 χ^2/NDF : 23369620.1/64

- sign 181.822+/-0.035 χ^2/NDF : 11067573.8/32

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 13.4/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 10.5/18

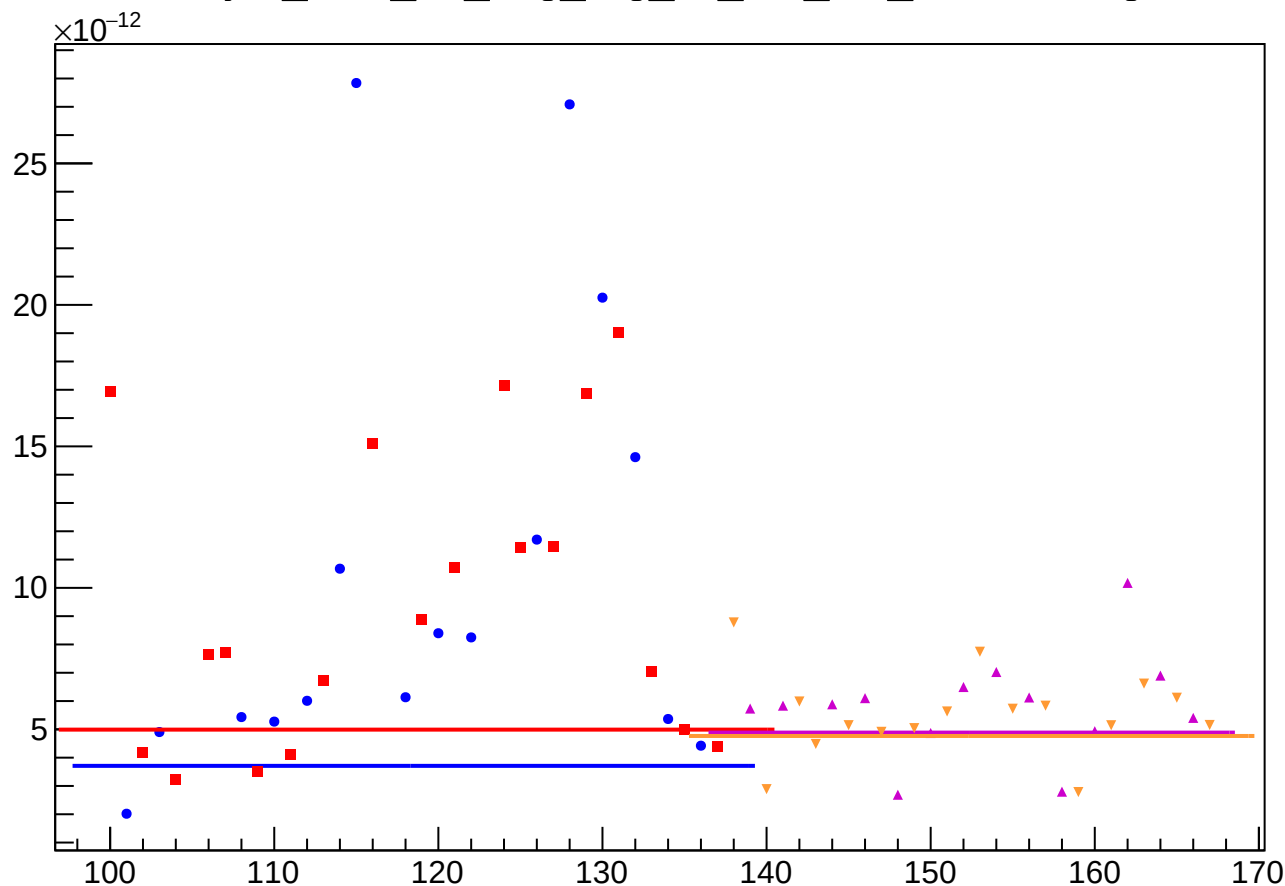
Left In: -0.000 ± 0.000 χ^2/NDF : 9.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 32.8/31

All: 0.000 ± 0.000 χ^2/NDF : 53.2/64

- sign -0.000 ± 0.000 χ^2/NDF : 20.2/32

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 : 879139.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1295374.6/18

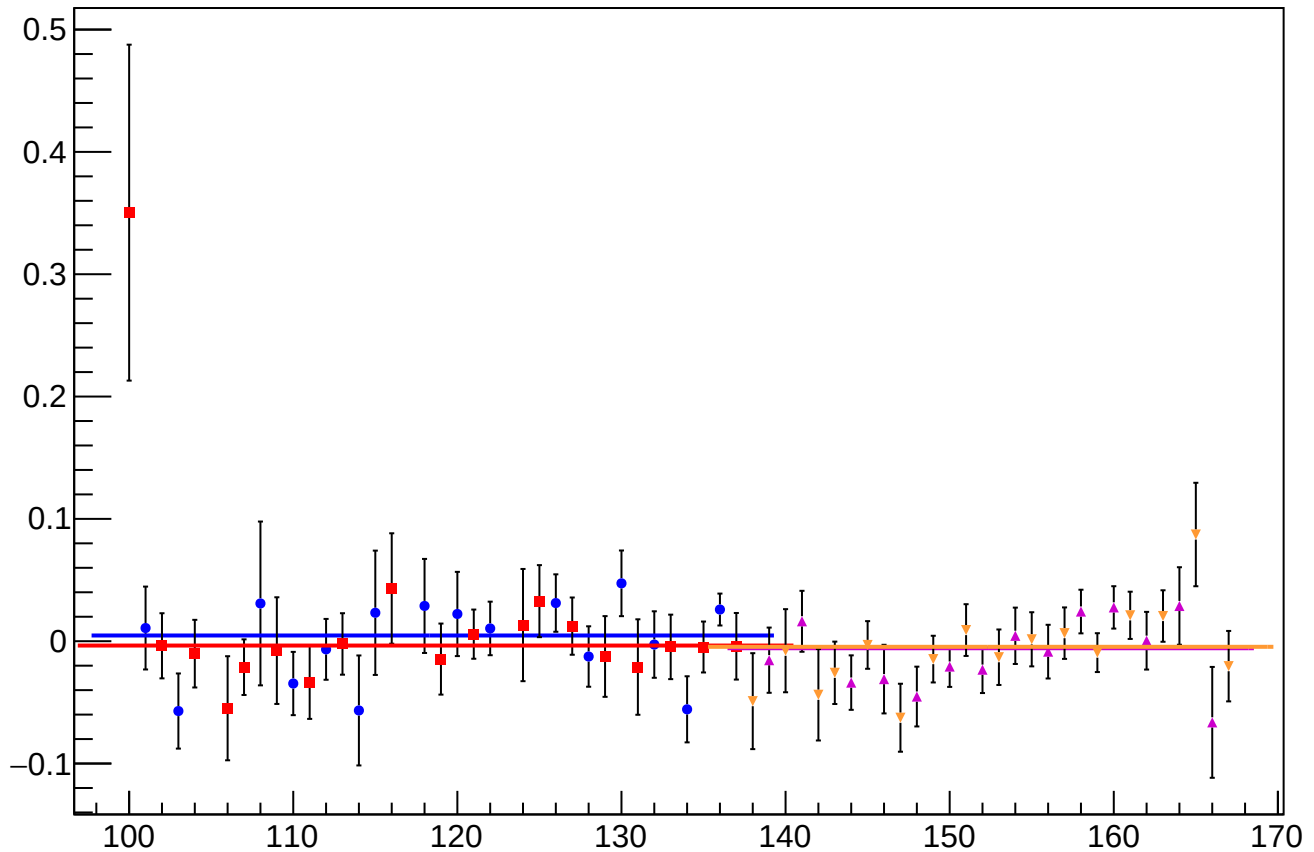
Left In: 0.000+/-0.000 χ^2/NDF : 948790.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 3246492.0/31

All: 0.000+/-0.000 χ^2/NDF : 5610038.7/64

- sign 0.000+/-0.000 χ^2/NDF : 2245526.8/32

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: -0.005 ± 0.006 χ^2/NDF : 17.0/15

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

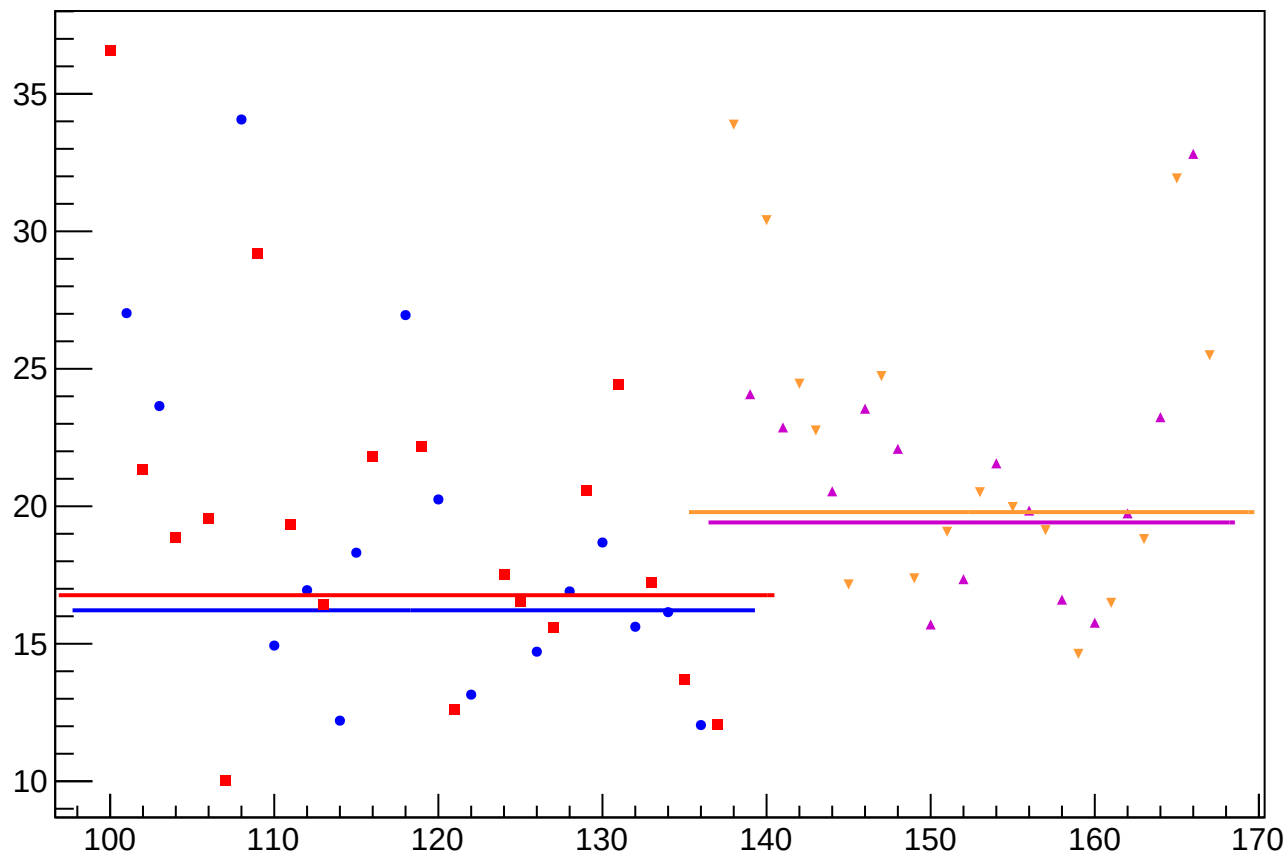
Left In: -0.006 ± 0.006 χ^2/NDF : 17.4/13

+ sign -0.001 ± 0.004 χ^2/NDF : 39.5/31

All: -0.003 ± 0.003 χ^2/NDF : 71.0/64

- sign -0.005 ± 0.004 χ^2/NDF : 31.1/32

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: 19.788 $\pm$ 0.004 χ^2 /NDF: 1166793.5/15

Right Out: 16.766 $\pm$ 0.005 χ^2 /NDF: 866715.7/18

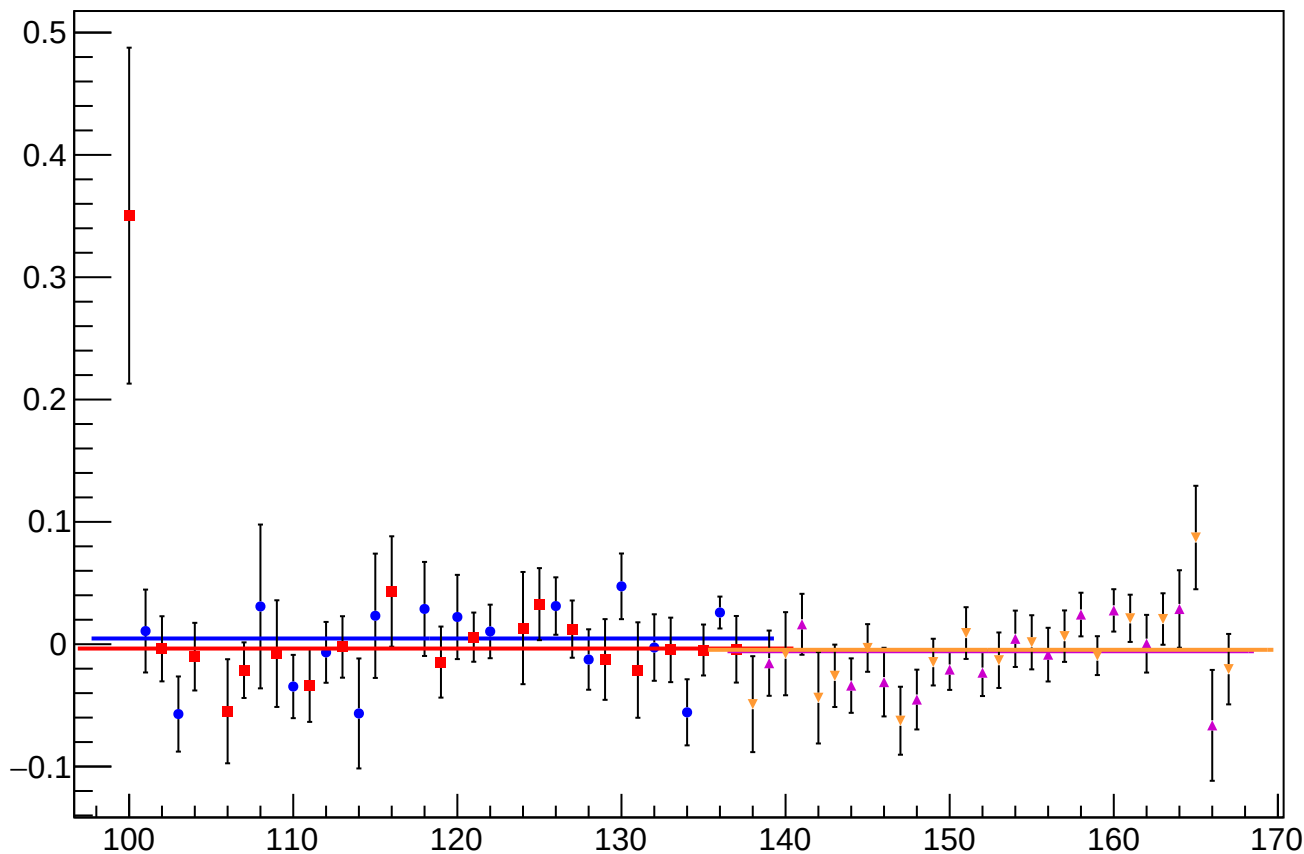
Left In: 19.413 $\pm$ 0.004 χ^2 /NDF: 656164.9/13

+ sign 18.219 $\pm$ 0.003 χ^2 /NDF: 2442488.3/31

All: 18.223 $\pm$ 0.002 χ^2 /NDF: 4141454.4/64

- sign 18.227 $\pm$ 0.003 χ^2 /NDF: 1698962.7/32

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.007 χ^2 /NDF: 21.5/15

Left Out: -0.005 $\pm$ 0.006 χ^2 /NDF: 17.0/15

Right Out: -0.004 $\pm$ 0.007 χ^2 /NDF: 13.6/18

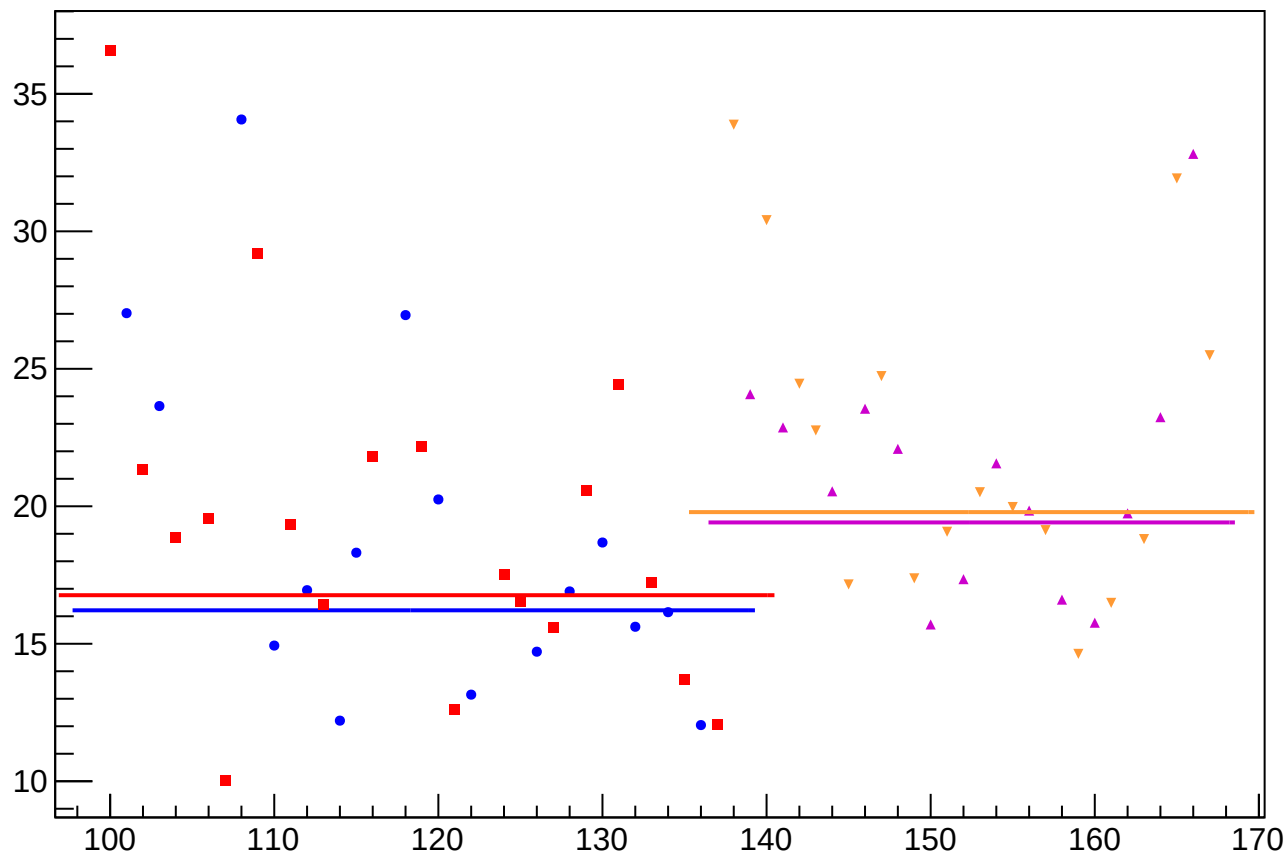
Left In: -0.006 $\pm$ 0.006 χ^2 /NDF: 17.4/13

+ sign -0.001 $\pm$ 0.004 χ^2 /NDF: 39.5/31

All: -0.003 $\pm$ 0.003 χ^2 /NDF: 71.0/64

- sign -0.005 $\pm$ 0.004 χ^2 /NDF: 31.1/32

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: 19.788 $\pm$ 0.004 χ^2/NDF : 1166793.5/15

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866715.7/18

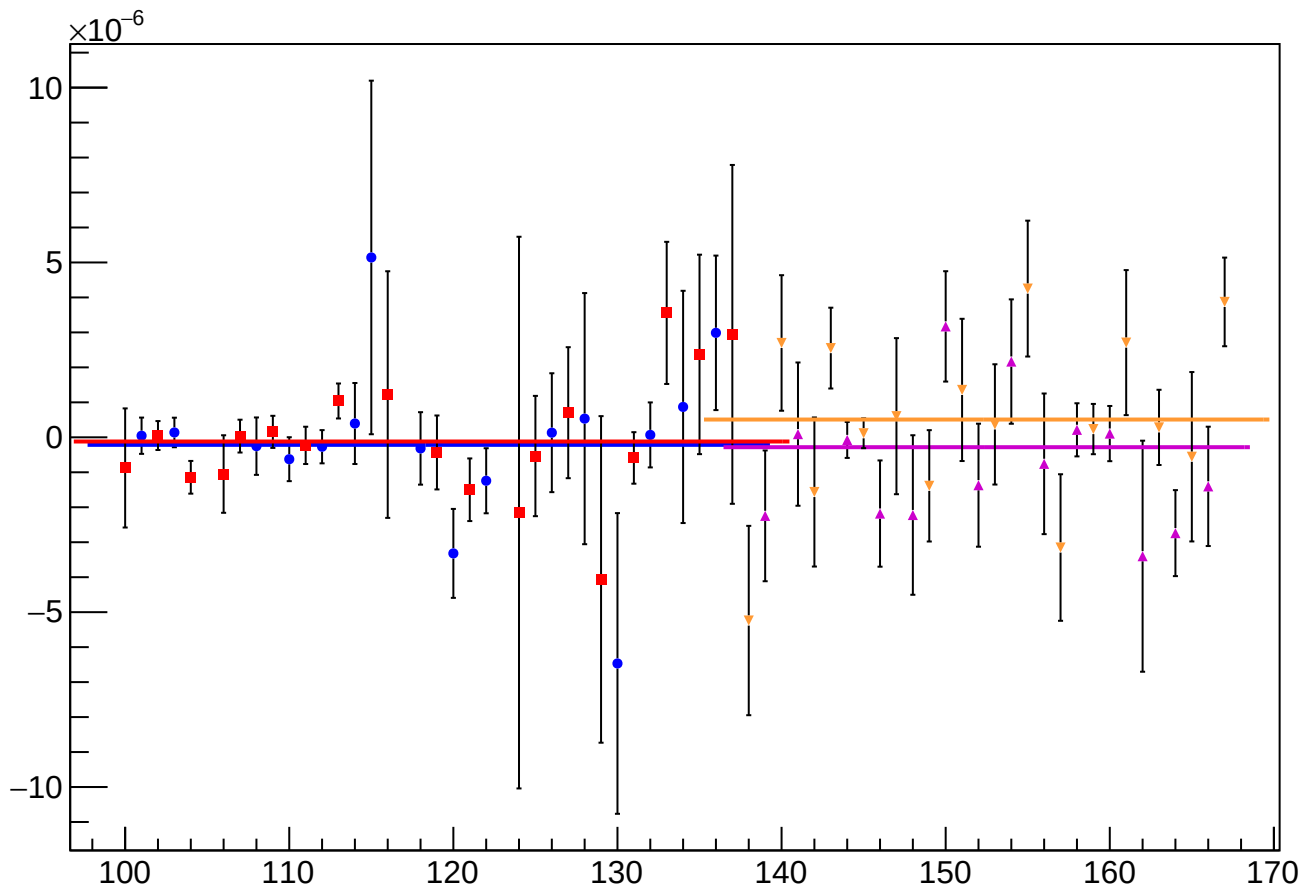
Left In: 19.413 $\pm$ 0.004 χ^2/NDF : 656164.9/13

+ sign 18.219 $\pm$ 0.003 χ^2/NDF : 2442488.3/31

All: 18.223 $\pm$ 0.002 χ^2/NDF : 4141454.4/64

- sign 18.227 $\pm$ 0.003 χ^2/NDF : 1698962.7/32

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 : 27.6/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.2/18

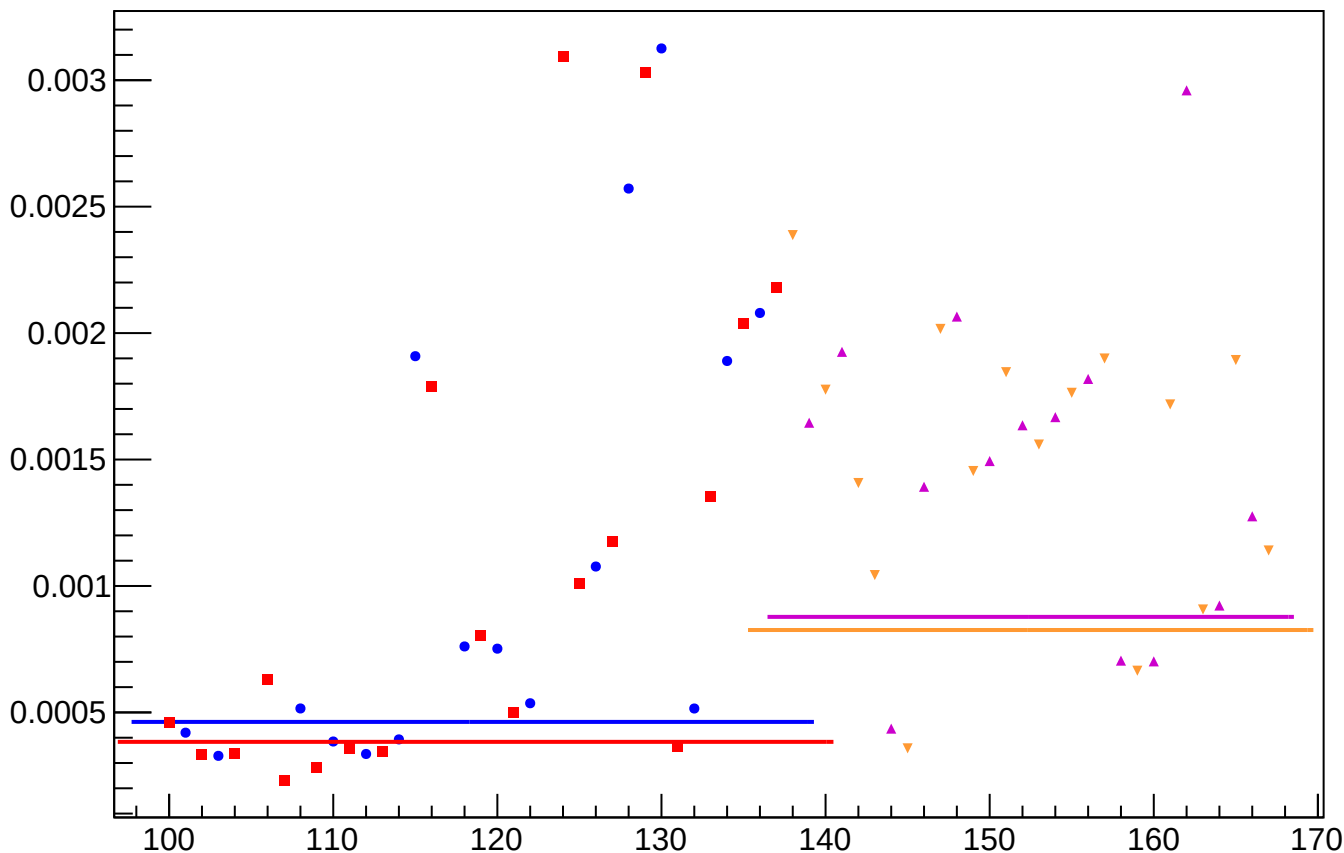
Left In: -0.000 ± 0.000 χ^2/NDF : 16.7/13

+ sign 0.000 ± 0.000 χ^2/NDF : 46.3/31

All: -0.000 ± 0.000 χ^2/NDF : 84.2/64

- sign -0.000 ± 0.000 χ^2/NDF : 37.1/32

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4015939.2/15

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:7508194.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4058129.5/18

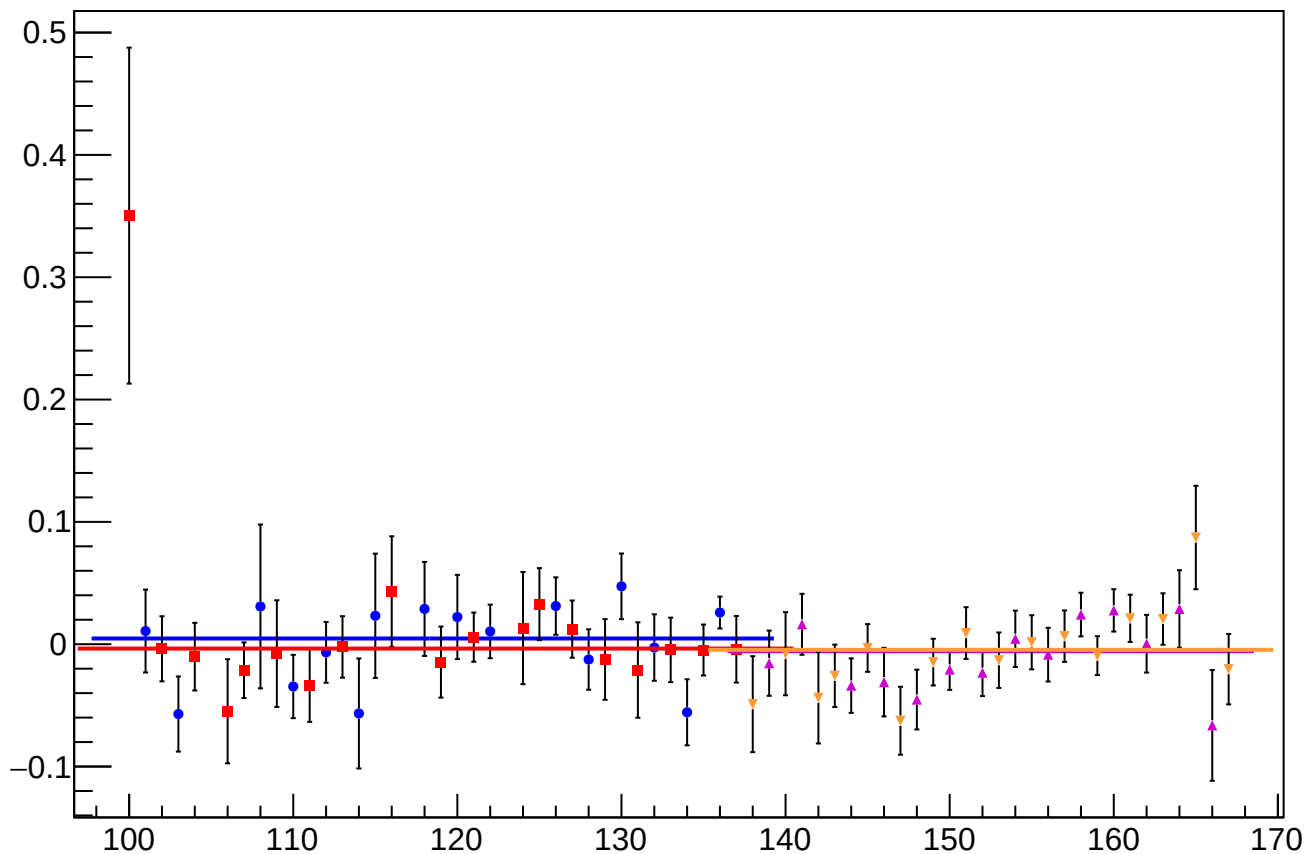
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:5725525.7/13

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 13654012.7/31

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 27678936.6/64

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 13732760.8/32

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: -0.005 ± 0.006 χ^2/NDF : 17.0/15

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

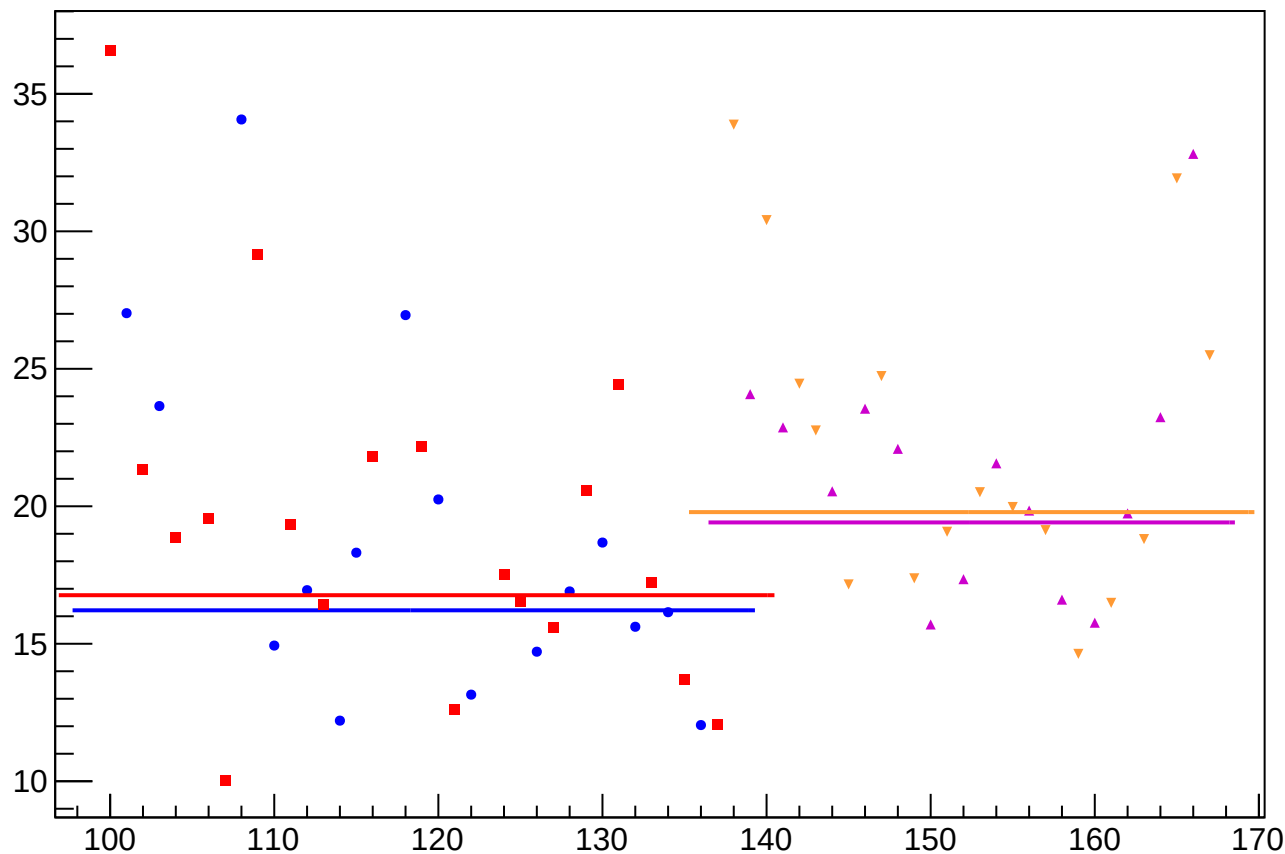
Left In: -0.006 ± 0.006 χ^2/NDF : 17.4/13

+ sign -0.001 ± 0.004 χ^2/NDF : 39.5/31

All: -0.003 ± 0.003 χ^2/NDF : 71.0/64

- sign -0.005 ± 0.004 χ^2/NDF : 31.1/32

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: 19.788 $\pm$ 0.004 χ^2 /NDF: 1166905.2/15

Right Out: 16.766 $\pm$ 0.005 χ^2 /NDF: 866705.3/18

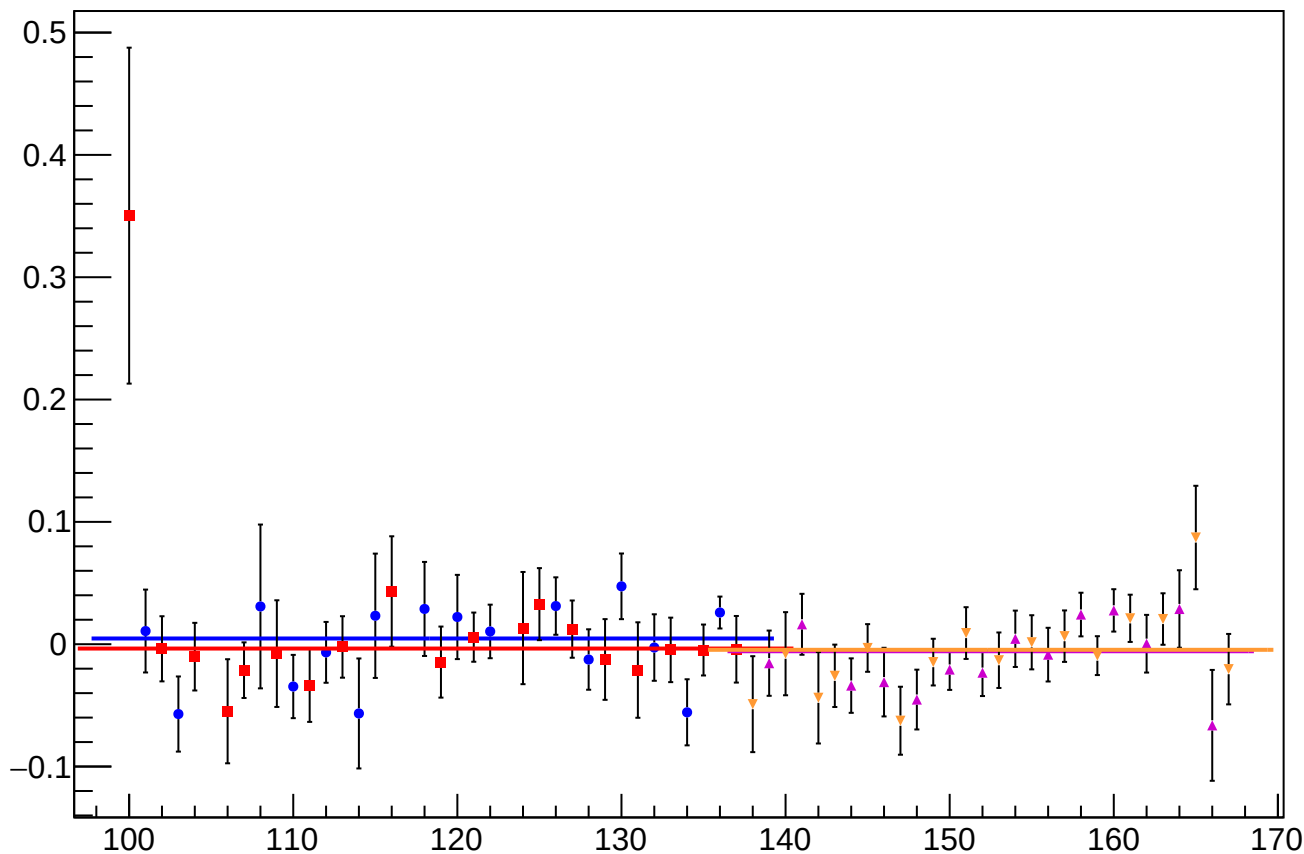
Left In: 19.413 $\pm$ 0.004 χ^2 /NDF: 656265.7/13

+ sign 18.219 $\pm$ 0.003 χ^2 /NDF: 2442600.6/31

All: 18.223 $\pm$ 0.002 χ^2 /NDF: 4141676.6/64

- sign 18.227 $\pm$ 0.003 χ^2 /NDF: 1699072.6/32

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 χ^2/NDF : 21.5/15

Left Out: -0.005 ± 0.006 χ^2/NDF : 17.0/15

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

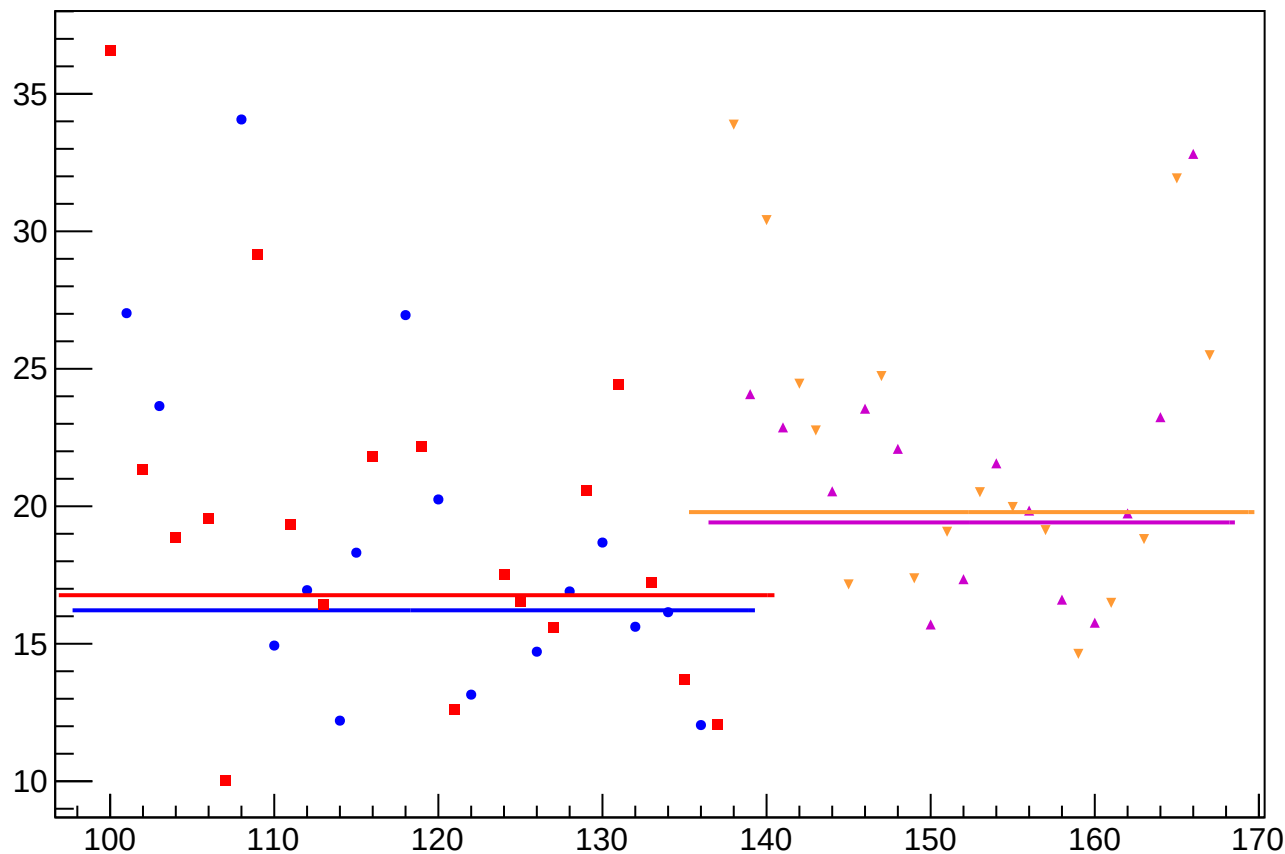
Left In: -0.006 ± 0.006 χ^2/NDF : 17.4/13

+ sign -0.001 ± 0.004 χ^2/NDF : 39.5/31

All: -0.003 ± 0.003 χ^2/NDF : 71.0/64

- sign -0.005 ± 0.004 χ^2/NDF : 31.1/32

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF : 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF : 1166905.2/15

Right Out: 16.766+/-0.005 χ^2/NDF : 866705.3/18

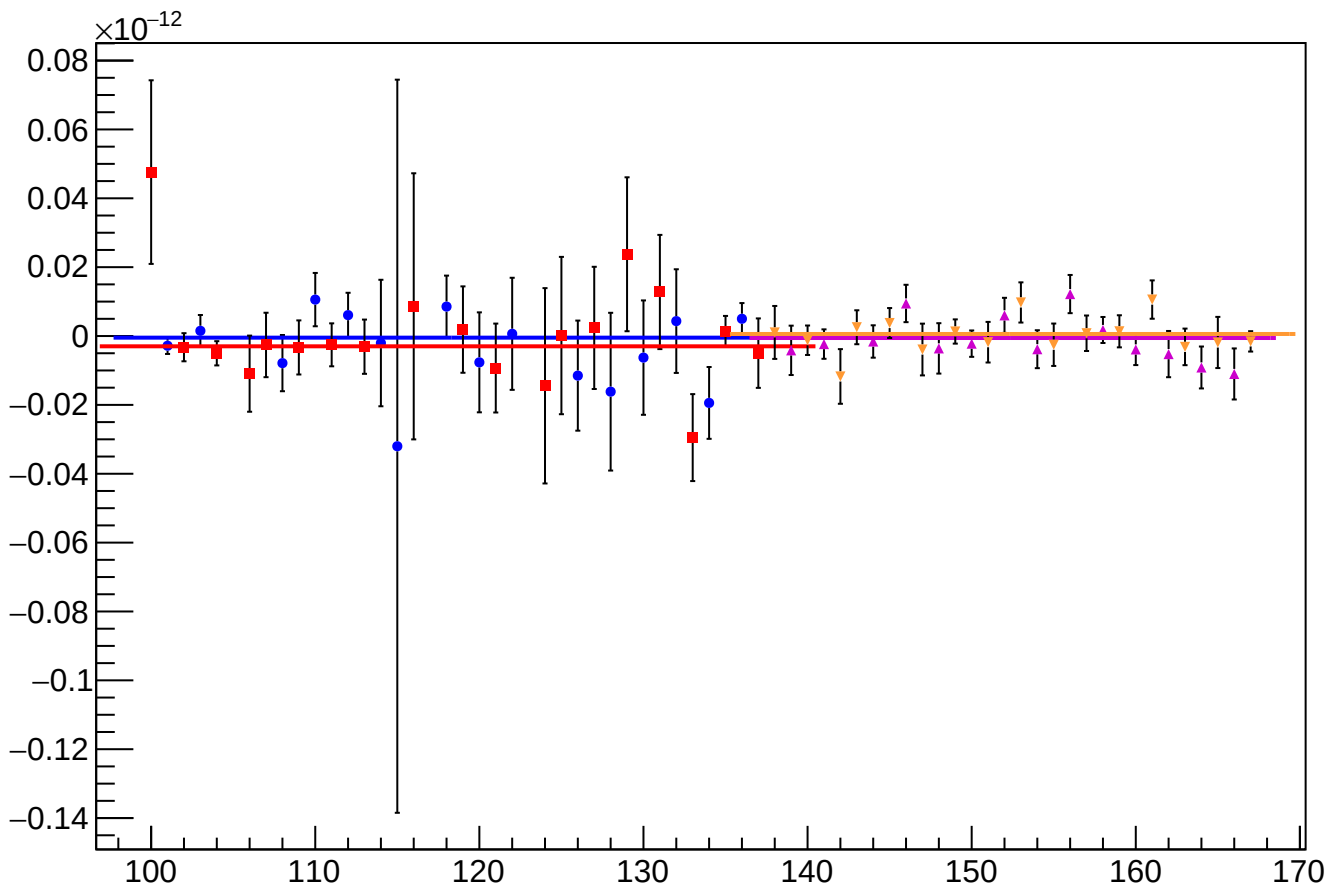
Left In: 19.413+/-0.004 χ^2/NDF : 656265.7/13

+ sign 18.219+/-0.003 χ^2/NDF : 2442600.6/31

All: 18.223+/-0.002 χ^2/NDF : 4141676.6/64

- sign 18.227+/-0.003 χ^2/NDF : 1699072.6/32

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 : 11.0/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.0/18

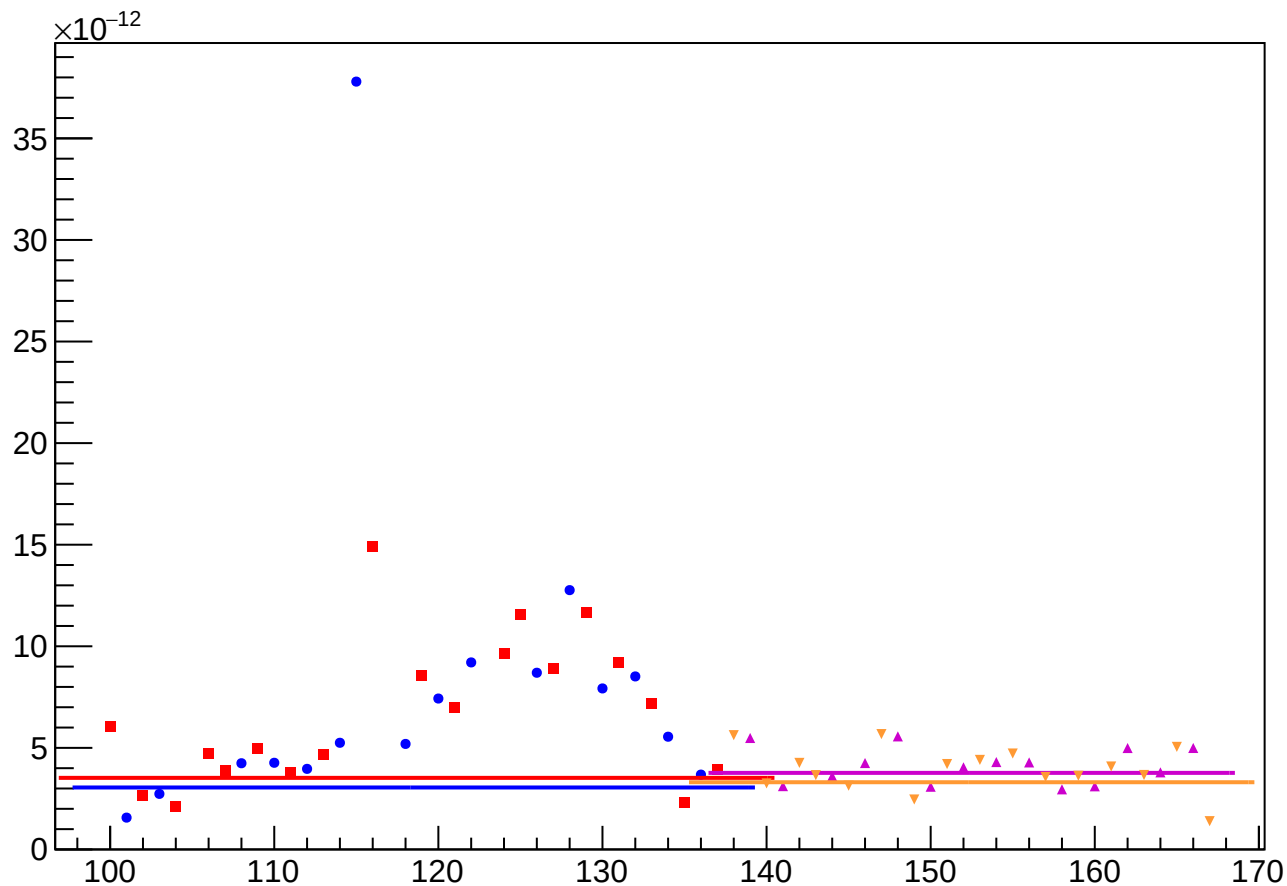
Left In: -0.000 ± 0.000 χ^2/NDF : 16.9/13

+ sign 0.000 ± 0.000 χ^2/NDF : 23.5/31

All: -0.000 ± 0.000 χ^2/NDF : 55.9/64

- sign -0.000 ± 0.000 χ^2/NDF : 31.1/32

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 :1773533.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2559080.1/18

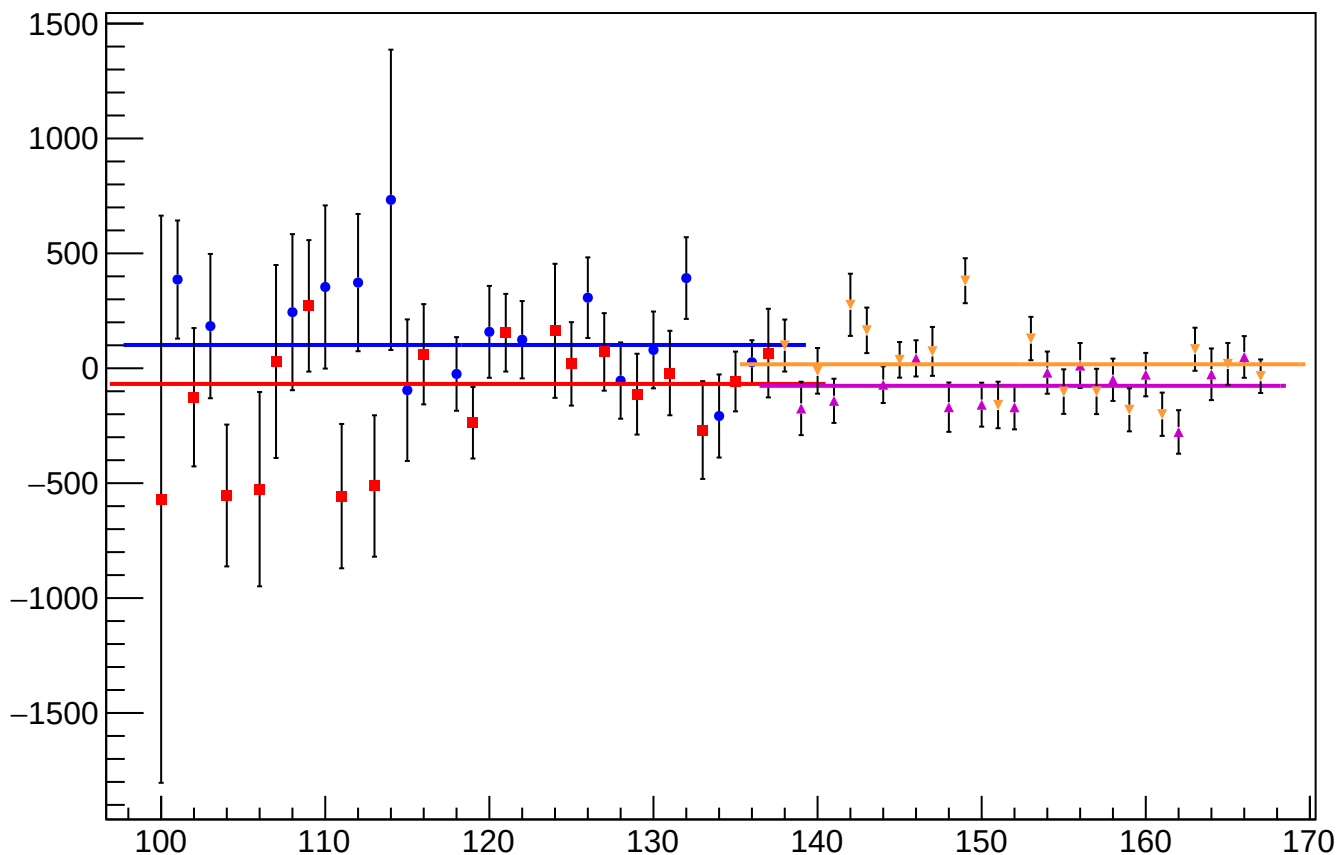
Left In: 0.000+/-0.000 χ^2/NDF :660812.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 4742380.9/31

All: 0.000+/-0.000 χ^2/NDF : 8184720.8/64

- sign 0.000+/-0.000 χ^2/NDF : 3243546.8/32

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460 $\pm$ 47.631 χ^2 /NDF: 13.4/15

Left Out: 17.426 $\pm$ 23.815 χ^2 /NDF:38.9/15

Right Out: -68.108 $\pm$ 49.327 χ^2 /NDF: 16.1/18

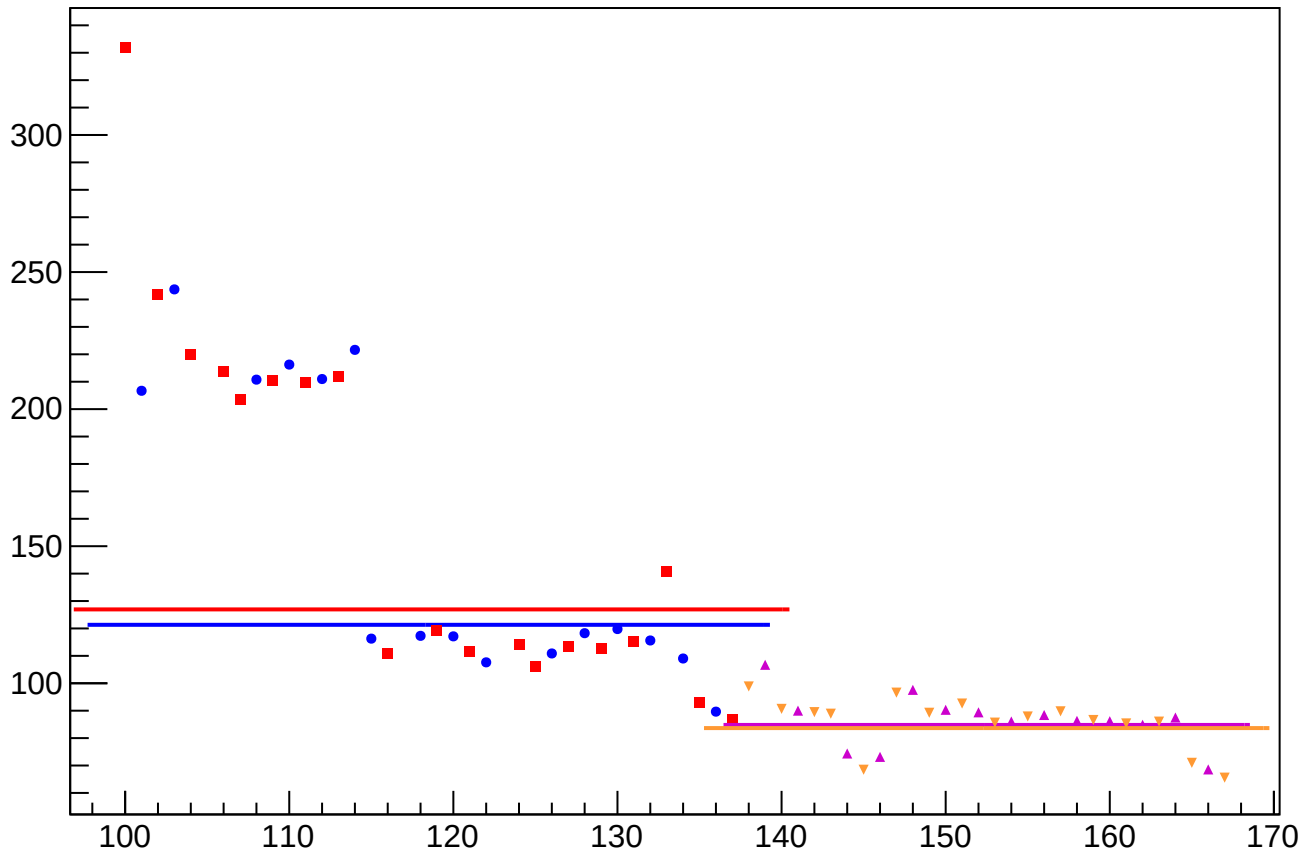
Left In: -76.296 $\pm$ 25.236 χ^2 /NDF:14.1/13

+ sign 34.233 $\pm$ 21.301 χ^2 /NDF: 54.7/31

All: -17.286 $\pm$ 15.458 χ^2 /NDF: 97.3/64

- sign -74.597 $\pm$ 22.466 χ^2 /NDF: 30.2/32

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF : 1286651.5/15

Left Out: 83.654+/-0.017 χ^2/NDF : 361748.1/15

Right Out: 126.945+/-0.035 χ^2/NDF : 1471592.1/18

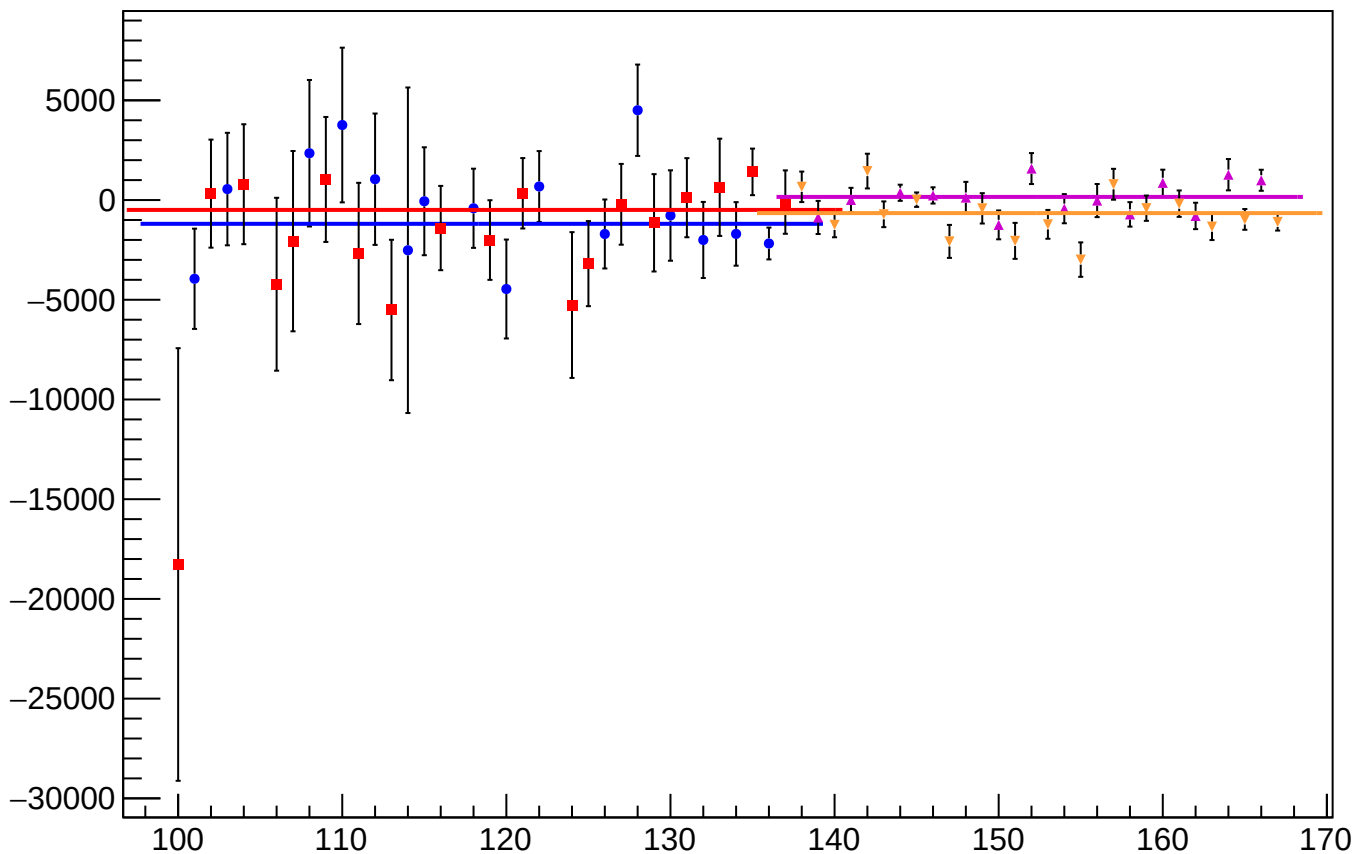
Left In: 84.800+/-0.018 χ^2/NDF : 263995.2/13

+ sign 91.188+/-0.015 χ^2/NDF : 2649286.3/31

All: 92.302+/-0.011 χ^2/NDF : 5553549.3/64

- sign 93.542+/-0.016 χ^2/NDF : 2892692.9/32

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1192.168 $\pm$ 478.908 χ^2/NDF : 15.9/15

Left Out: -654.692 $\pm$ 156.208 χ^2/NDF : 33.1/15

Right Out: -494.627 $\pm$ 521.756 χ^2/NDF : 13.9/18

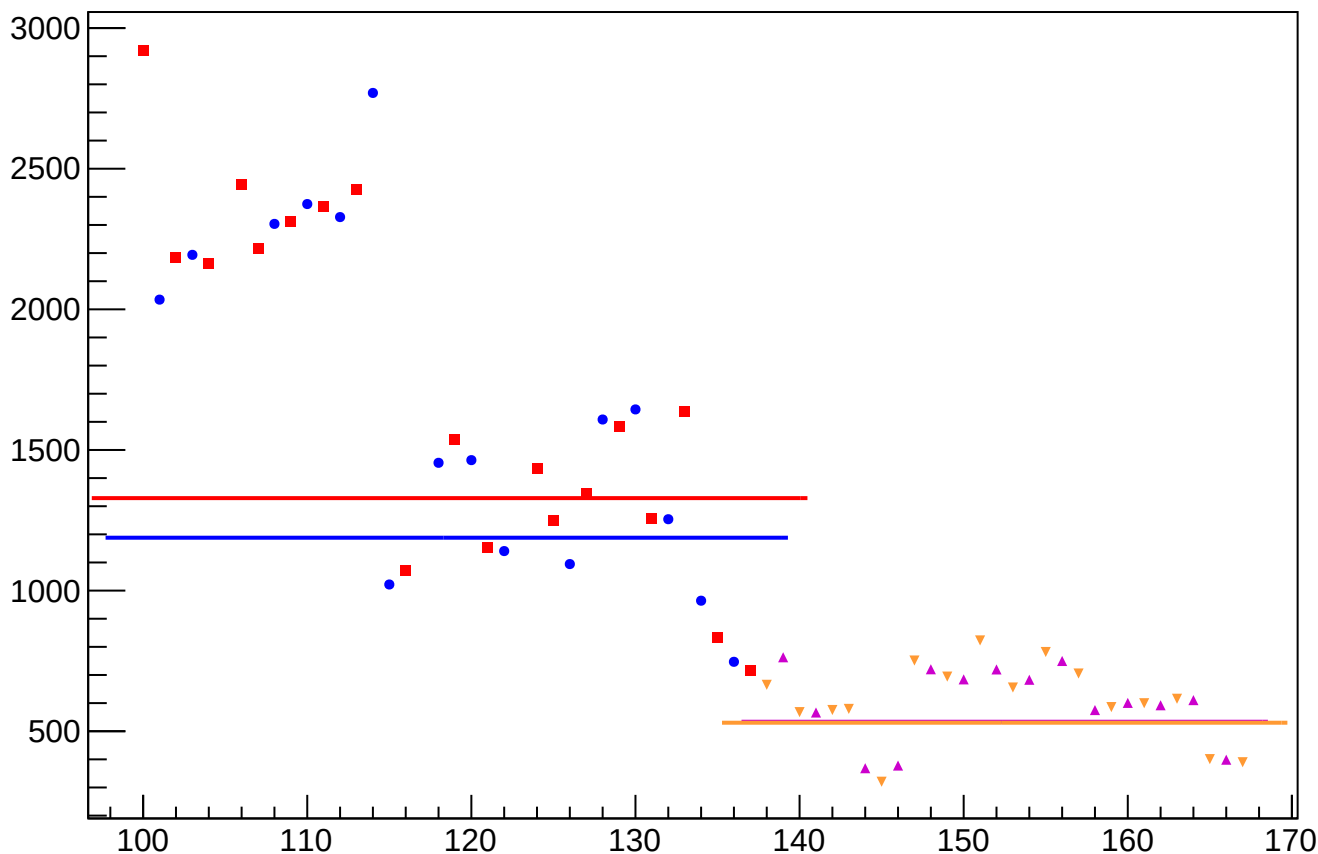
Left In: 157.119 $\pm$ 163.784 χ^2/NDF : 19.5/13

+ sign -706.376 $\pm$ 148.508 χ^2/NDF : 50.1/31

All: -324.338 $\pm$ 107.649 χ^2/NDF : 98.9/64

- sign 98.657 $\pm$ 156.266 χ^2/NDF : 34.8/32

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044635.7/15

Left Out: 530.288+/-0.110 χ^2/NDF : 1938546.6/15

Right Out: 1328.816+/-0.369 χ^2/NDF : 1957758.3/18

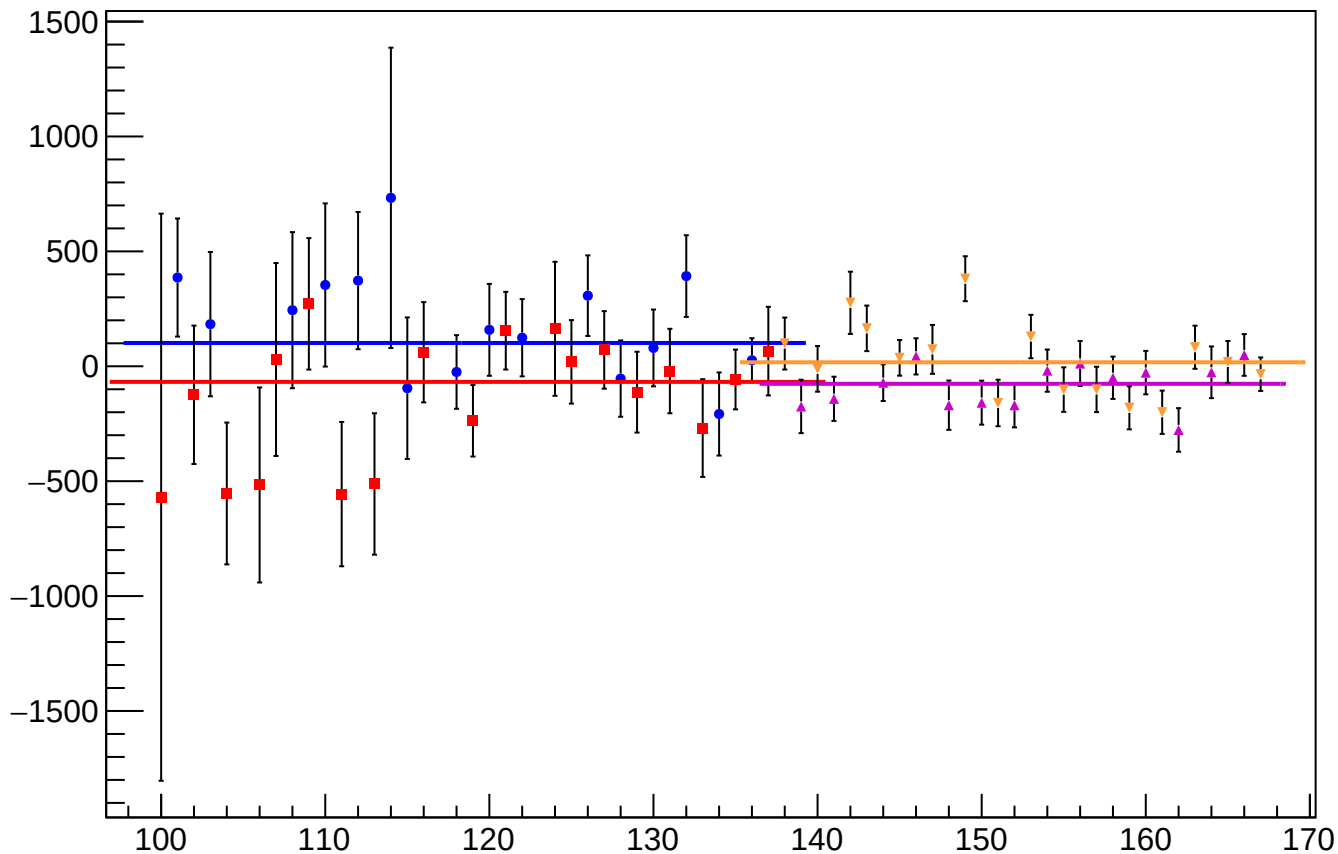
Left In: 533.783+/-0.116 χ^2/NDF : 1512802.2/13

+ sign 593.540+/-0.105 χ^2/NDF : 7393388.3/31

All: 599.025+/-0.076 χ^2/NDF : 15096878.4/64

- sign 605.098+/-0.110 χ^2/NDF : 7697741.8/32

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 17.428 $\pm$ 23.815 χ^2 /NDF:38.9/15

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

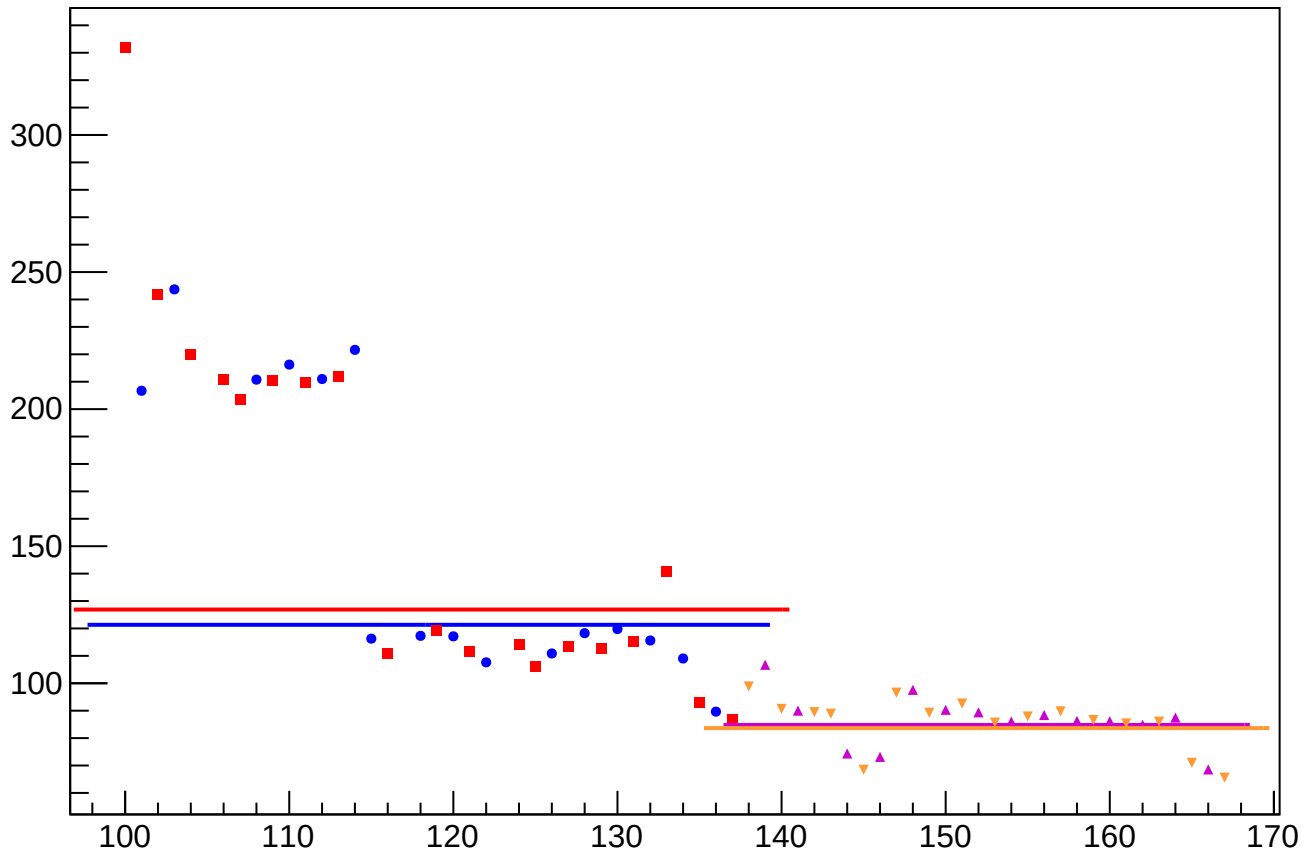
Left In: -76.297 $\pm$ 25.236 χ^2 /NDF:14.1/13

+ sign 34.231 $\pm$ 21.301 χ^2 /NDF: 54.7/31

All: -17.265 $\pm$ 15.458 χ^2 /NDF: 97.2/64

- sign -74.552 $\pm$ 22.467 χ^2 /NDF: 30.2/32

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286654.0/15

Left Out: 83.654 $\pm$ 0.017 χ^2 /NDF:361748.0/15

Right Out: 126.895 $\pm$ 0.035 χ^2 /NDF: 1465478.6/18

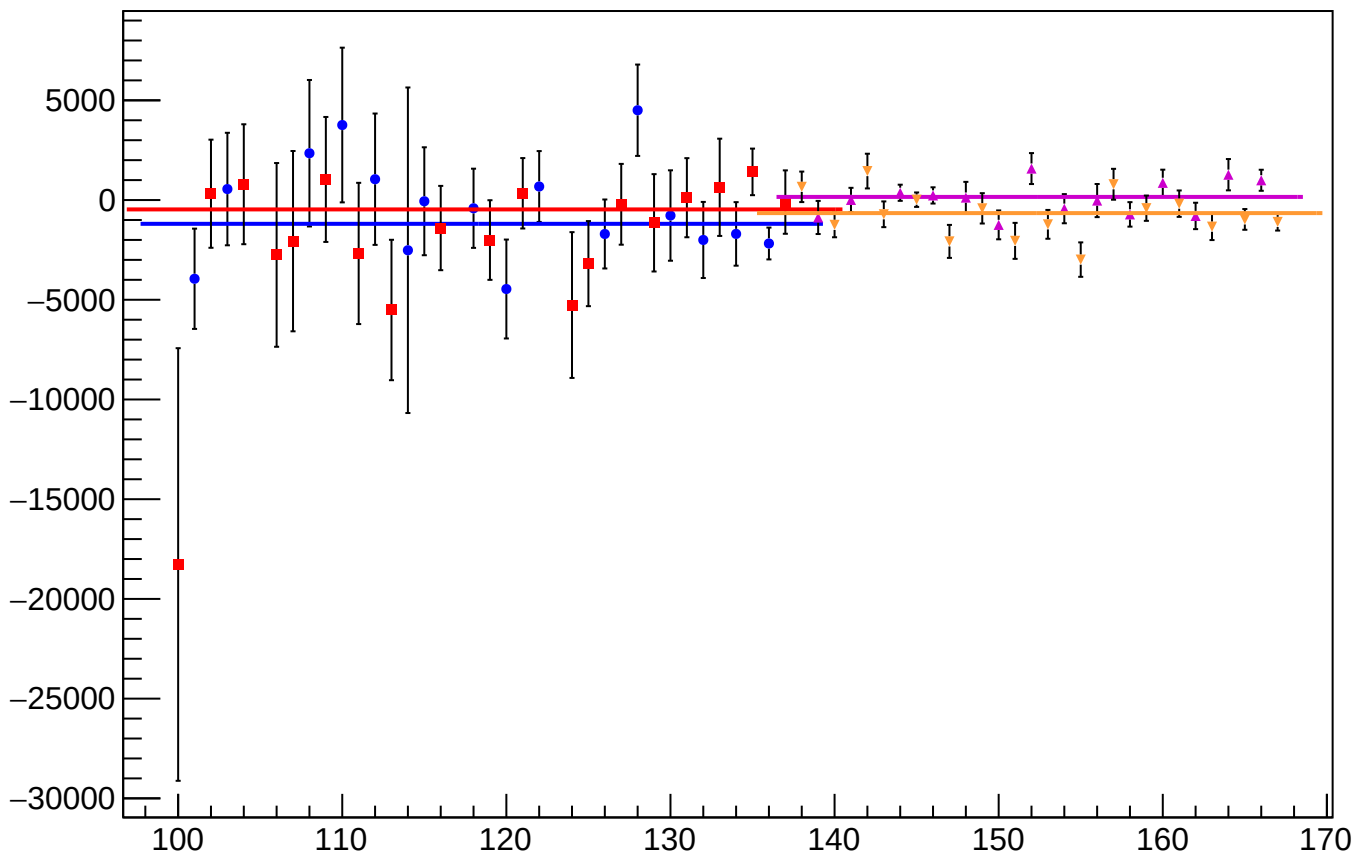
Left In: 84.800 $\pm$ 0.018 χ^2 /NDF:263995.2/13

+ sign 91.188 $\pm$ 0.015 χ^2 /NDF: 2649288.4/31

All: 92.297 $\pm$ 0.011 χ^2 /NDF: 5544468.6/64

- sign 93.531 $\pm$ 0.016 χ^2 /NDF: 2883720.4/32

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145 $\pm$ 478.909 χ^2/NDF : 15.9/15

Left Out: -654.687 $\pm$ 156.208 χ^2/NDF : 33.1/15

Right Out: -469.736 $\pm$ 522.203 χ^2/NDF : 13.4/18

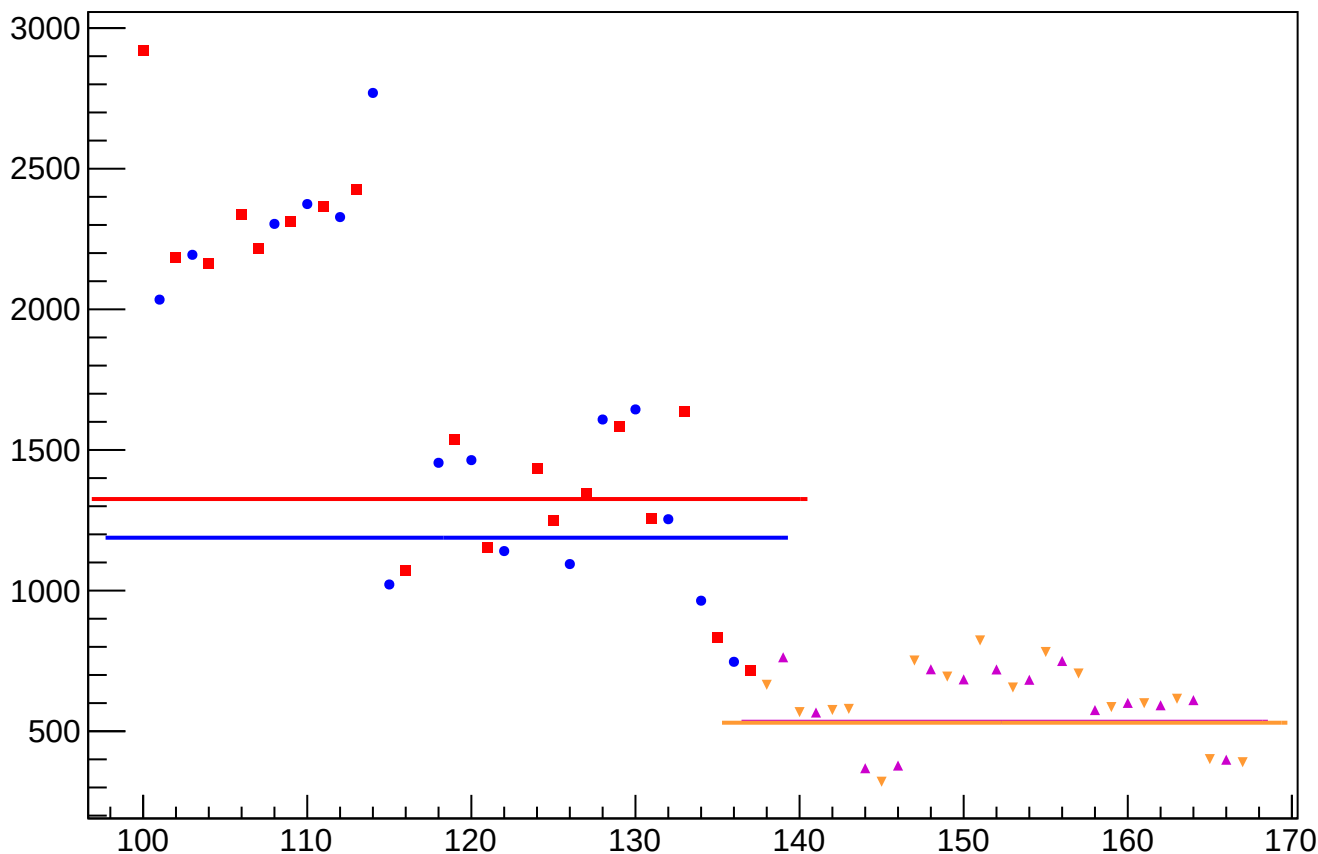
Left In: 157.114 $\pm$ 163.784 χ^2/NDF : 19.5/13

+ sign -706.369 $\pm$ 148.508 χ^2/NDF : 50.2/31

All: -323.266 $\pm$ 107.653 χ^2/NDF : 98.4/64

- sign 100.973 $\pm$ 156.278 χ^2/NDF : 34.2/32

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069 $\pm$ 0.339 χ^2 /NDF: 2044666.3/15

Left Out: 530.288 $\pm$ 0.110 χ^2 /NDF:1938555.3/15

Right Out: 1325.564 $\pm$ 0.369 χ^2 /NDF: 1920986.7/18

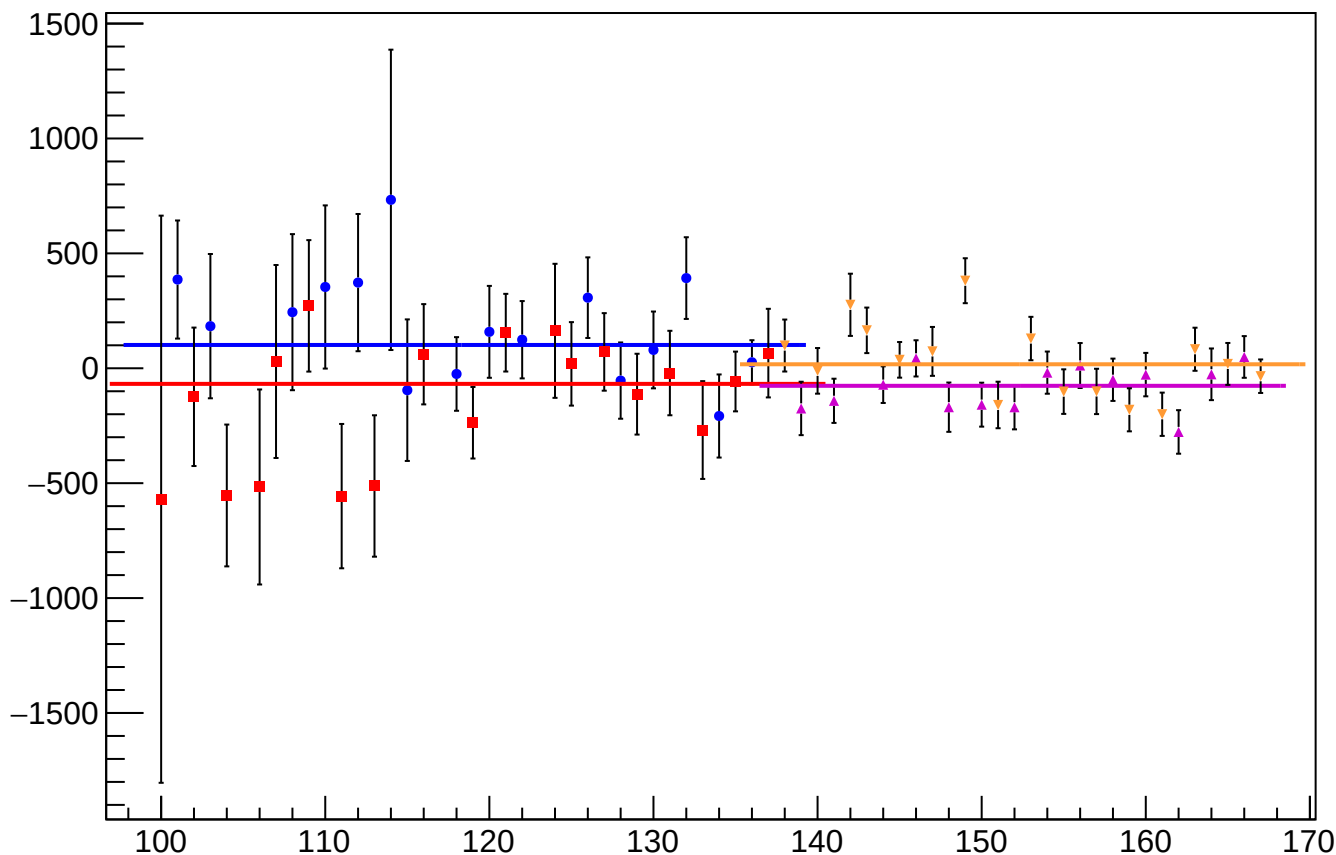
Left In: 533.783 $\pm$ 0.116 χ^2 /NDF:1512806.2/13

+ sign 593.540 $\pm$ 0.105 χ^2 /NDF: 7393421.3/31

All: 598.833 $\pm$ 0.076 χ^2 /NDF: 15018697.5/64

- sign 604.695 $\pm$ 0.111 χ^2 /NDF: 7619921.3/32

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 ± 47.631 χ^2/NDF : 13.3/15

Left Out: 17.428 ± 23.815 χ^2/NDF : 38.9/15

Right Out: -67.881 ± 49.331 χ^2/NDF : 16.1/18

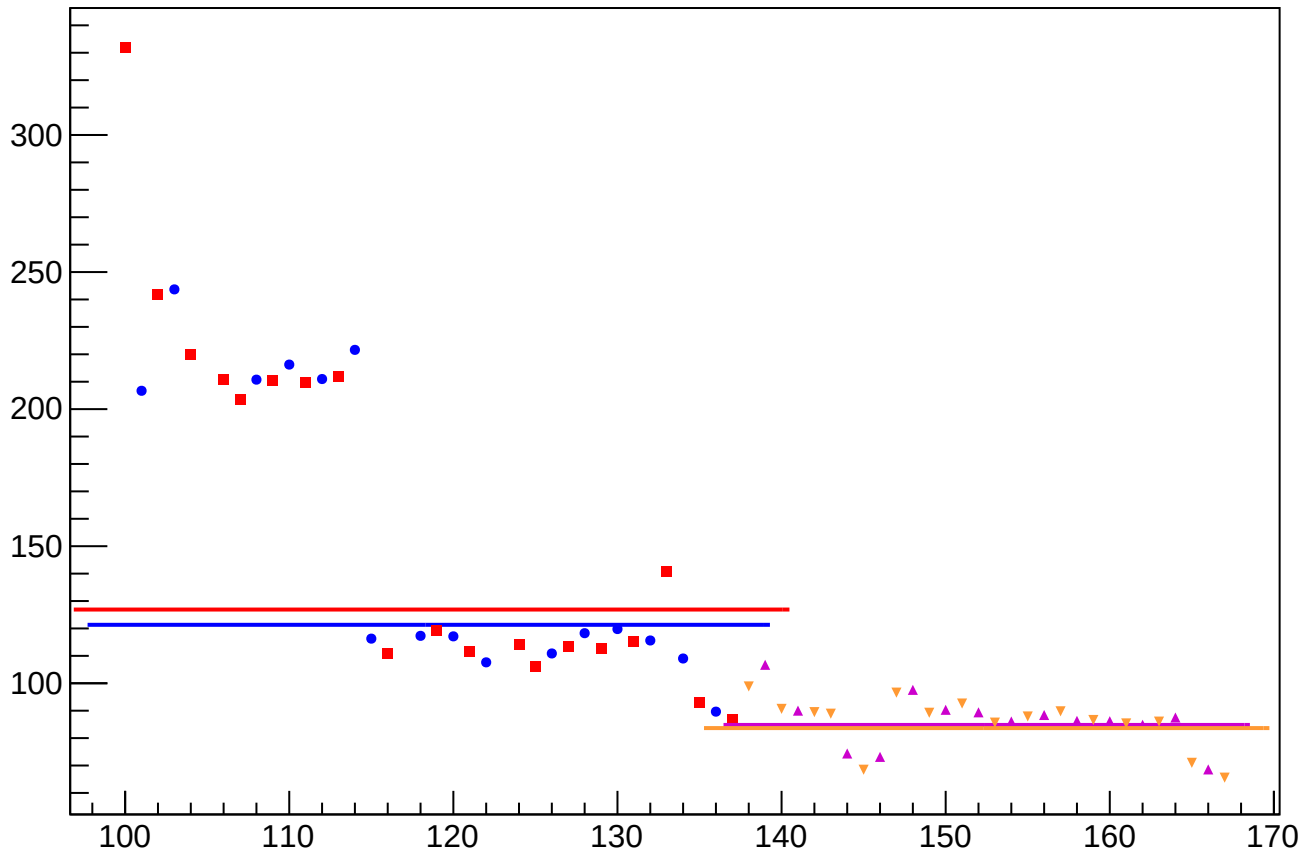
Left In: -76.297 ± 25.236 χ^2/NDF : 14.1/13

+ sign 34.231 ± 21.301 χ^2/NDF : 54.7/31

All: -17.265 ± 15.458 χ^2/NDF : 97.2/64

- sign -74.552 ± 22.467 χ^2/NDF : 30.2/32

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286654.0/15

Left Out: 83.654 $\pm$ 0.017 χ^2 /NDF: 361748.0/15

Right Out: 126.895 $\pm$ 0.035 χ^2 /NDF: 1465478.6/18

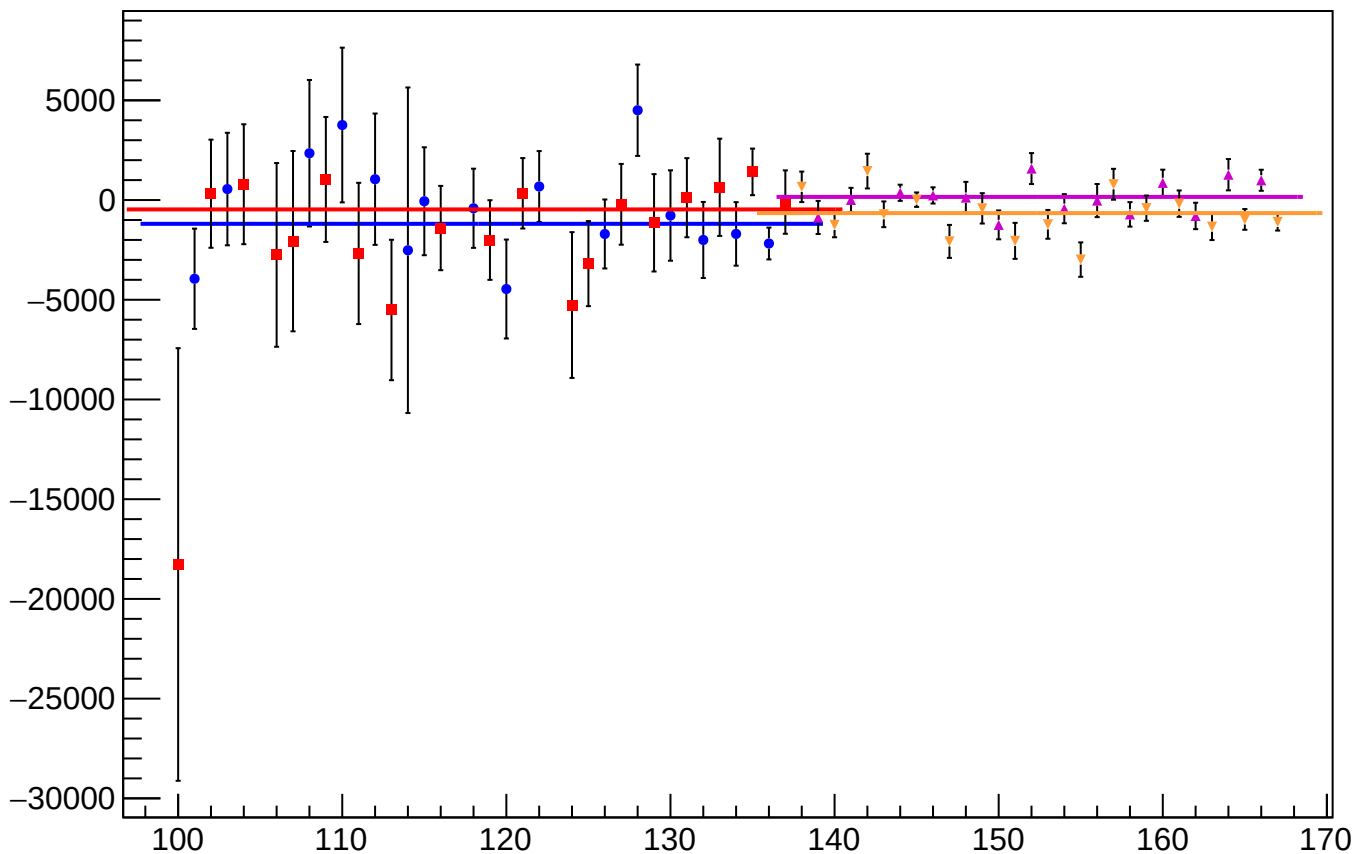
Left In: 84.800 $\pm$ 0.018 χ^2 /NDF: 263995.2/13

+ sign 91.188 $\pm$ 0.015 χ^2 /NDF: 2649288.4/31

All: 92.297 $\pm$ 0.011 χ^2 /NDF: 5544468.6/64

- sign 93.531 $\pm$ 0.016 χ^2 /NDF: 2883720.4/32

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: -654.687 $\pm$ 156.208 χ^2/NDF : 33.1/15

Right Out: -469.736 $\pm$ 522.203 χ^2/NDF : 13.4/18

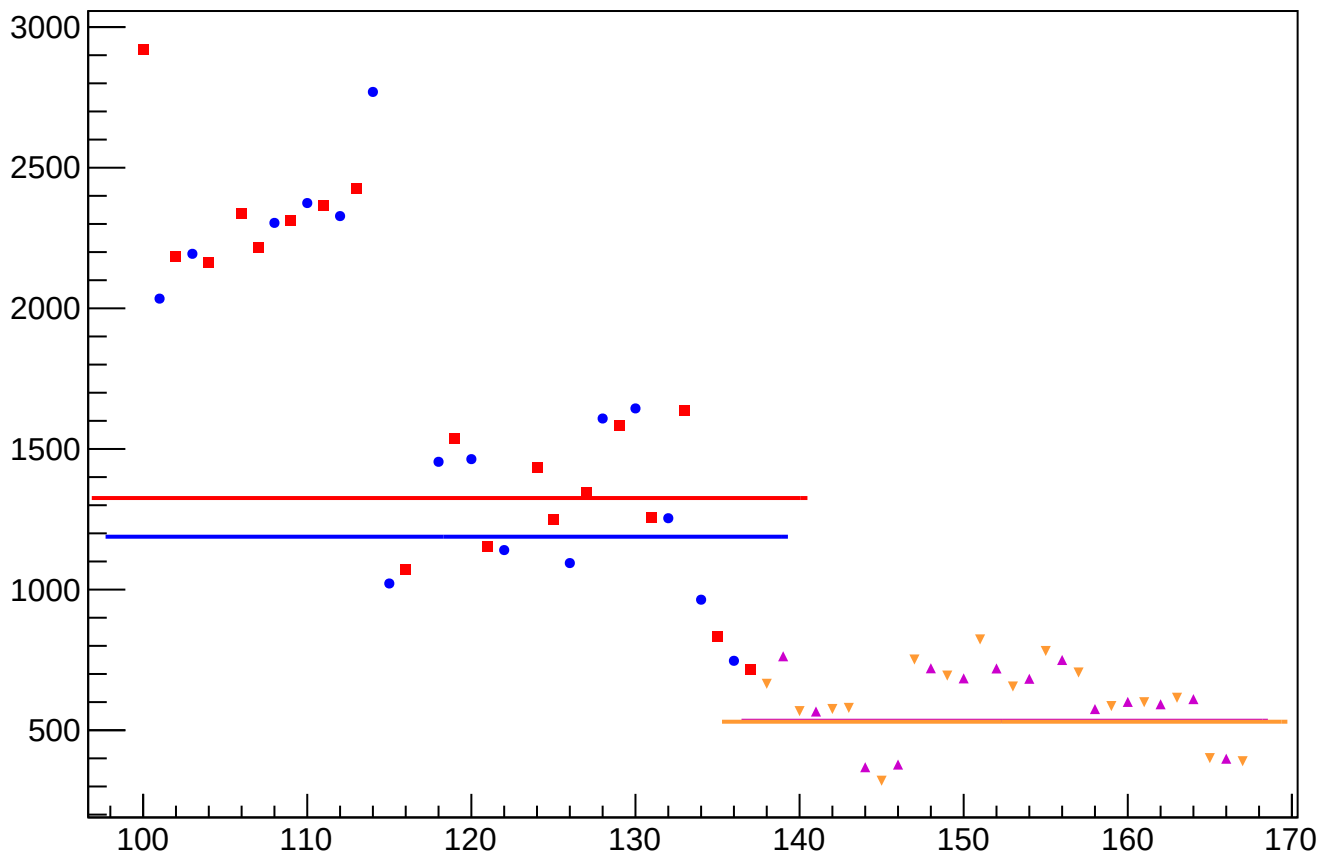
Left In: 157.114 $\pm$ 163.784 χ^2/NDF : 19.5/13

+ sign -706.369 $\pm$ 148.508 χ^2/NDF : 50.2/31

All: -323.266 $\pm$ 107.653 χ^2/NDF : 98.4/64

- sign 100.973 $\pm$ 156.278 χ^2/NDF : 34.2/32

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069 ± 0.339 $\chi^2/\text{NDF}: 2044666.3/15$

Left Out: 530.288 ± 0.110 $\chi^2/\text{NDF}: 1938555.3/15$

Right Out: 1325.564 ± 0.369 $\chi^2/\text{NDF}: 1920986.7/18$

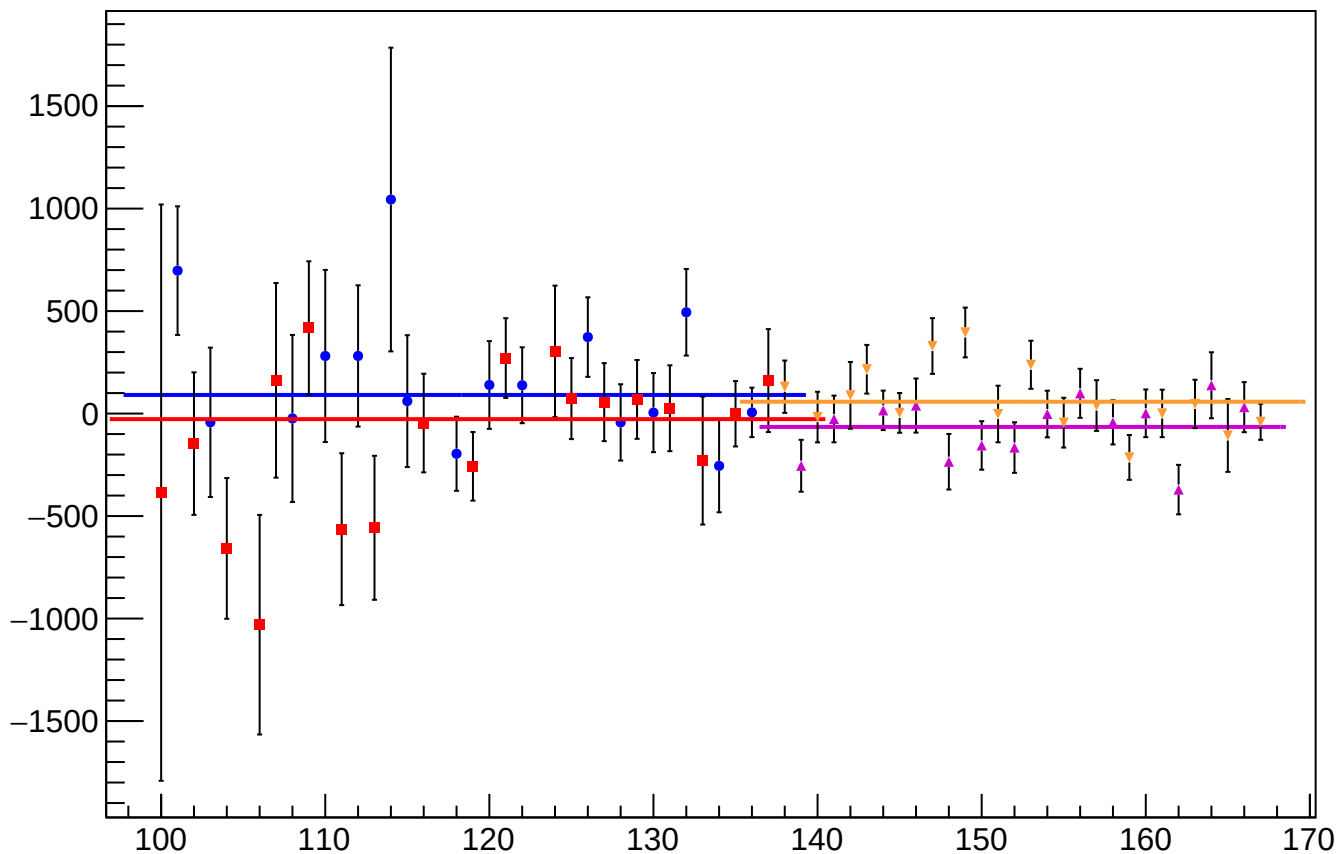
Left In: 533.783 ± 0.116 $\chi^2/\text{NDF}: 1512806.2/13$

+ sign 593.540 ± 0.105 $\chi^2/\text{NDF}: 7393421.3/31$

All: 598.833 ± 0.076 $\chi^2/\text{NDF}: 15018697.5/64$

- sign 604.695 ± 0.111 $\chi^2/\text{NDF}: 7619921.3/32$

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908 ± 55.565 $\chi^2/\text{NDF}: 18.1/15$

Left Out: 57.781 ± 29.974 $\chi^2/\text{NDF}: 26.4/15$

Right Out: -27.170 ± 57.015 $\chi^2/\text{NDF}: 20.6/18$

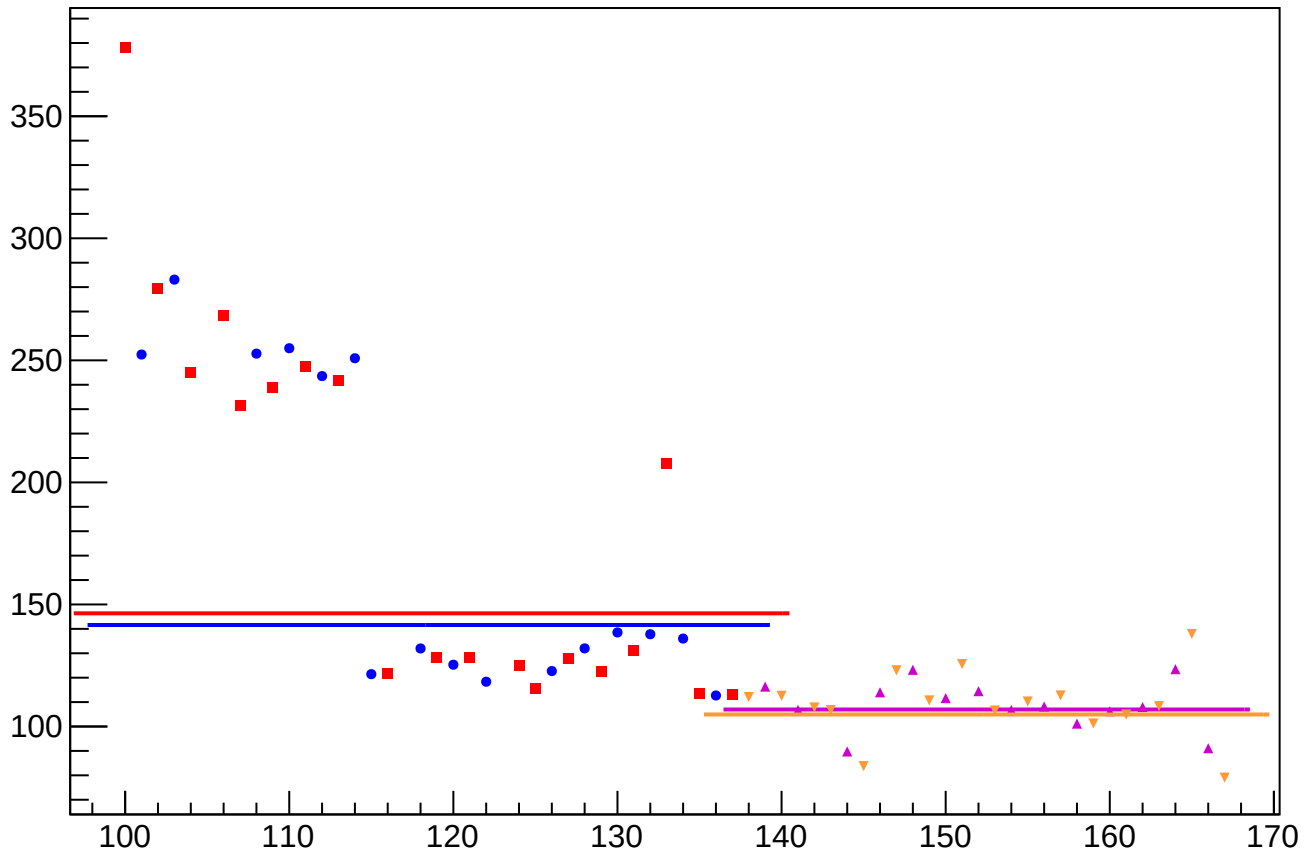
Left In: -65.109 ± 31.980 $\chi^2/\text{NDF}: 17.7/13$

+ sign 65.249 ± 26.381 $\chi^2/\text{NDF}: 44.7/31$

All: 7.984 ± 19.166 $\chi^2/\text{NDF}: 93.3/64$

- sign -56.029 ± 27.892 $\chi^2/\text{NDF}: 38.6/32$

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586 $\pm$ 0.039 χ^2 /NDF: 1262366.8/15

Left Out: 104.925 $\pm$ 0.021 χ^2 /NDF: 453287.9/15

Right Out: 146.368 $\pm$ 0.040 χ^2 /NDF: 1513656.0/18

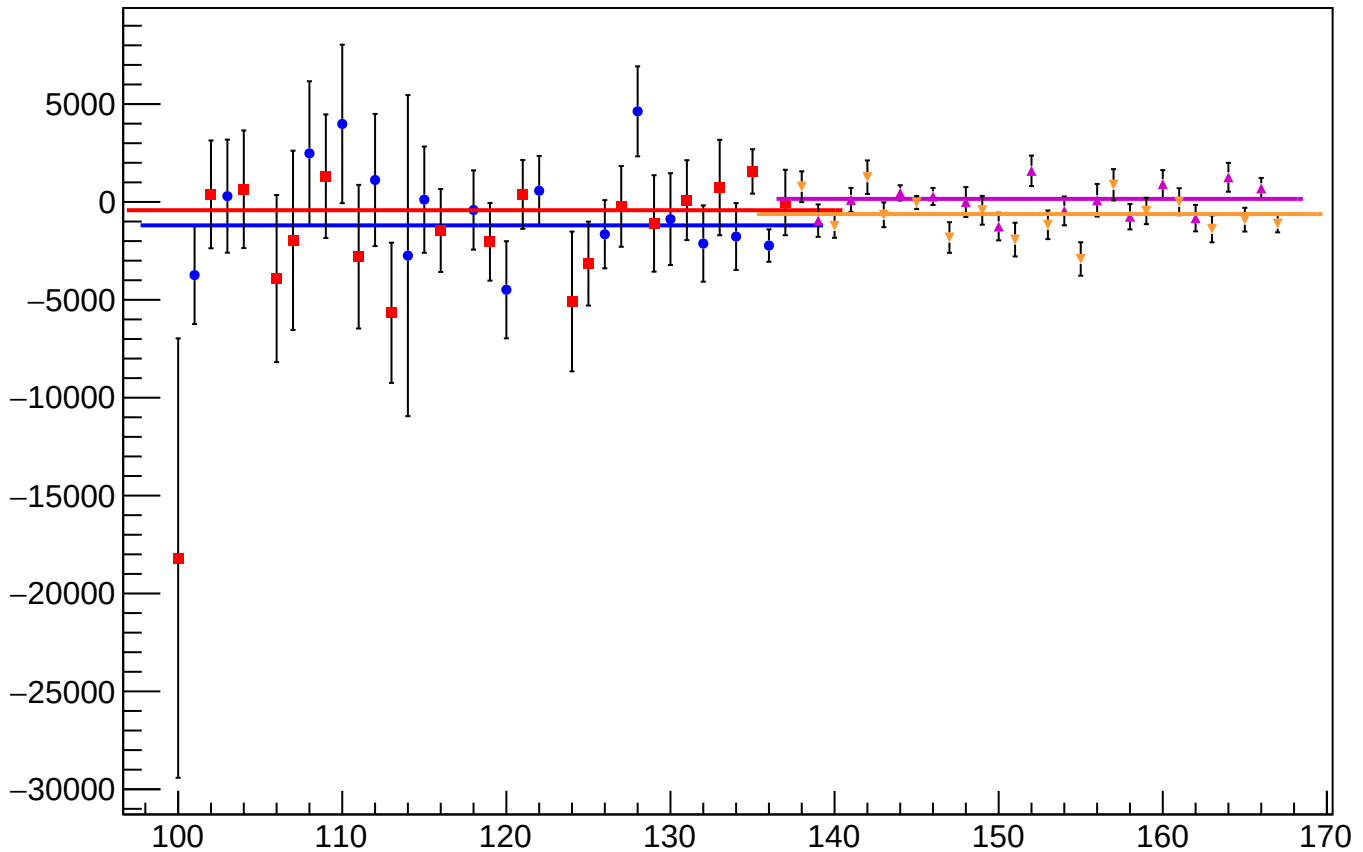
Left In: 106.967 $\pm$ 0.023 χ^2 /NDF: 180807.3/13

+ sign 113.189 $\pm$ 0.019 χ^2 /NDF: 2390062.0/31

All: 114.703 $\pm$ 0.014 χ^2 /NDF: 4825065.7/64

- sign 116.396 $\pm$ 0.020 χ^2 /NDF: 2421044.1/32

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663 $\pm$ 491.384 χ^2/NDF : 16.0/15

Left Out: -618.555 $\pm$ 156.246 χ^2/NDF : 31.6/15

Right Out: -422.161 $\pm$ 523.834 χ^2/NDF : 14.3/18

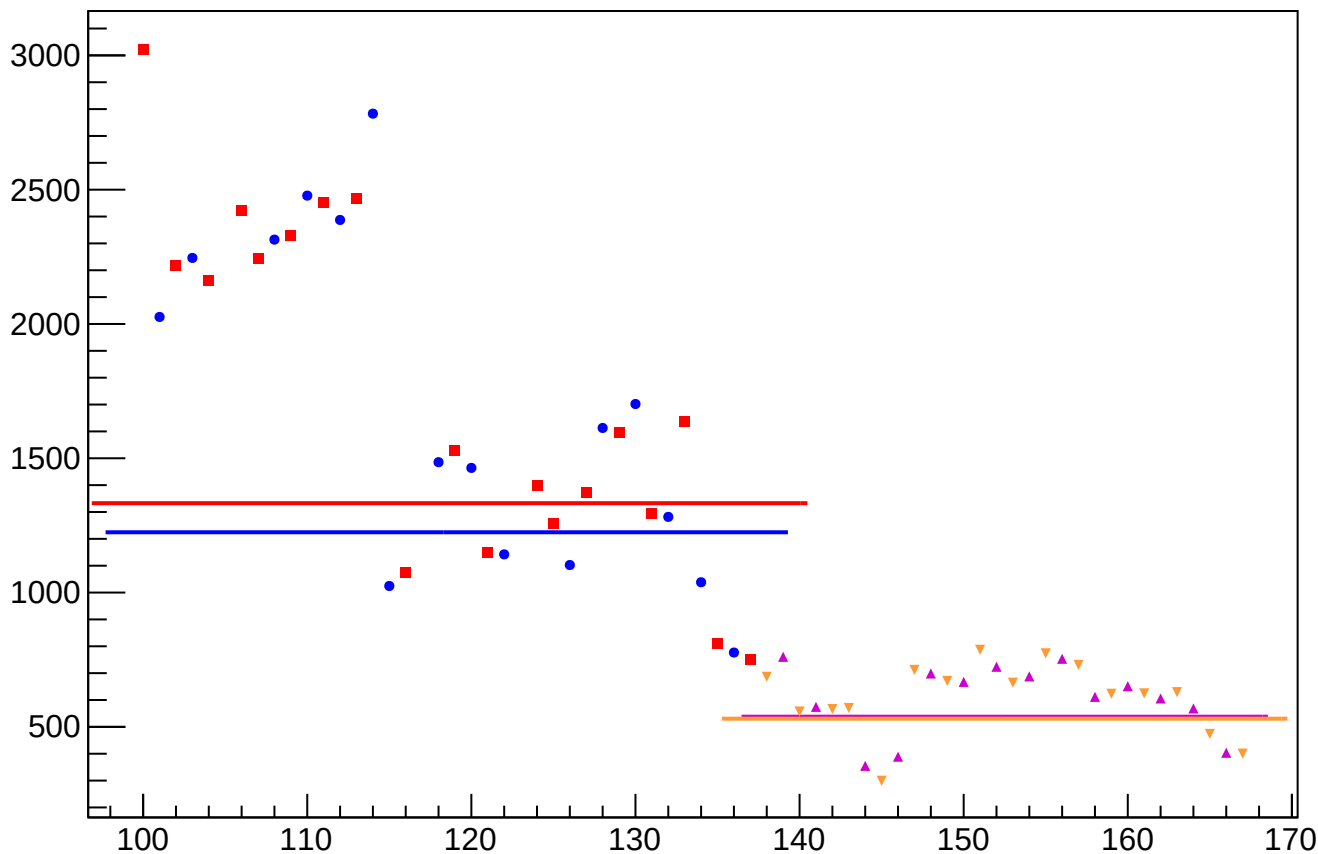
Left In: 157.037 $\pm$ 165.572 χ^2/NDF : 19.1/13

+ sign -671.638 $\pm$ 148.900 χ^2/NDF : 48.8/31

All: -306.288 $\pm$ 108.322 χ^2/NDF : 96.1/64

- sign 104.428 $\pm$ 157.874 χ^2/NDF : 34.5/32

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470 $\pm$ 0.347 χ^2 /NDF: 1959362.3/15

Left Out: 530.473 $\pm$ 0.110 χ^2 /NDF: 2068514.6/15

Right Out: 1332.785 $\pm$ 0.370 χ^2 /NDF: 1994811.5/18

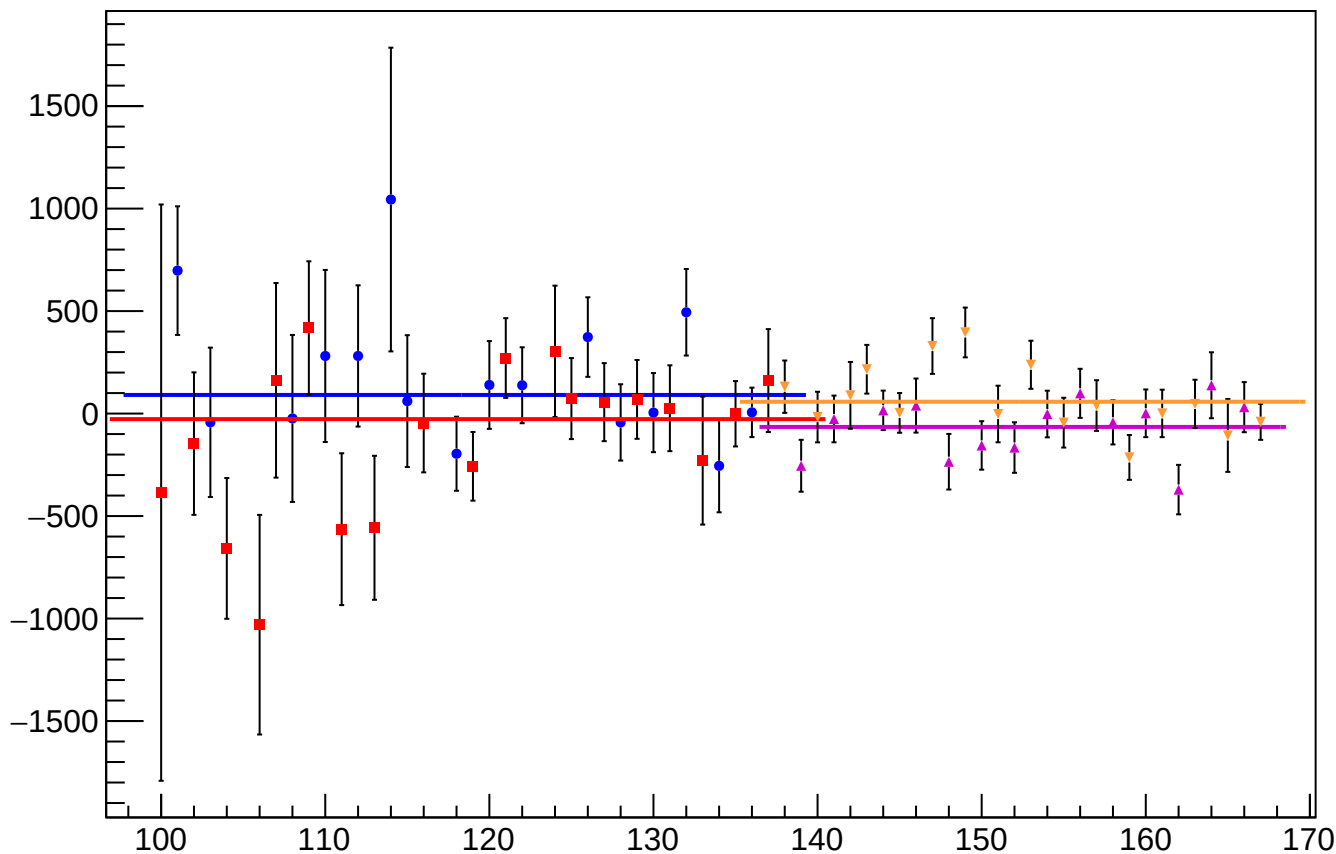
Left In: 537.857 $\pm$ 0.117 χ^2 /NDF: 1539257.1/13

+ sign 594.197 $\pm$ 0.105 χ^2 /NDF: 7650927.1/31

All: 601.666 $\pm$ 0.077 χ^2 /NDF: 15383062.7/64

- sign 610.061 $\pm$ 0.112 χ^2 /NDF: 7721448.0/32

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910 $\pm$ 55.564 χ^2 /NDF: 18.1/15

Left Out: 57.781 $\pm$ 29.975 χ^2 /NDF:26.4/15

Right Out: -27.170 $\pm$ 57.015 χ^2 /NDF: 20.6/18

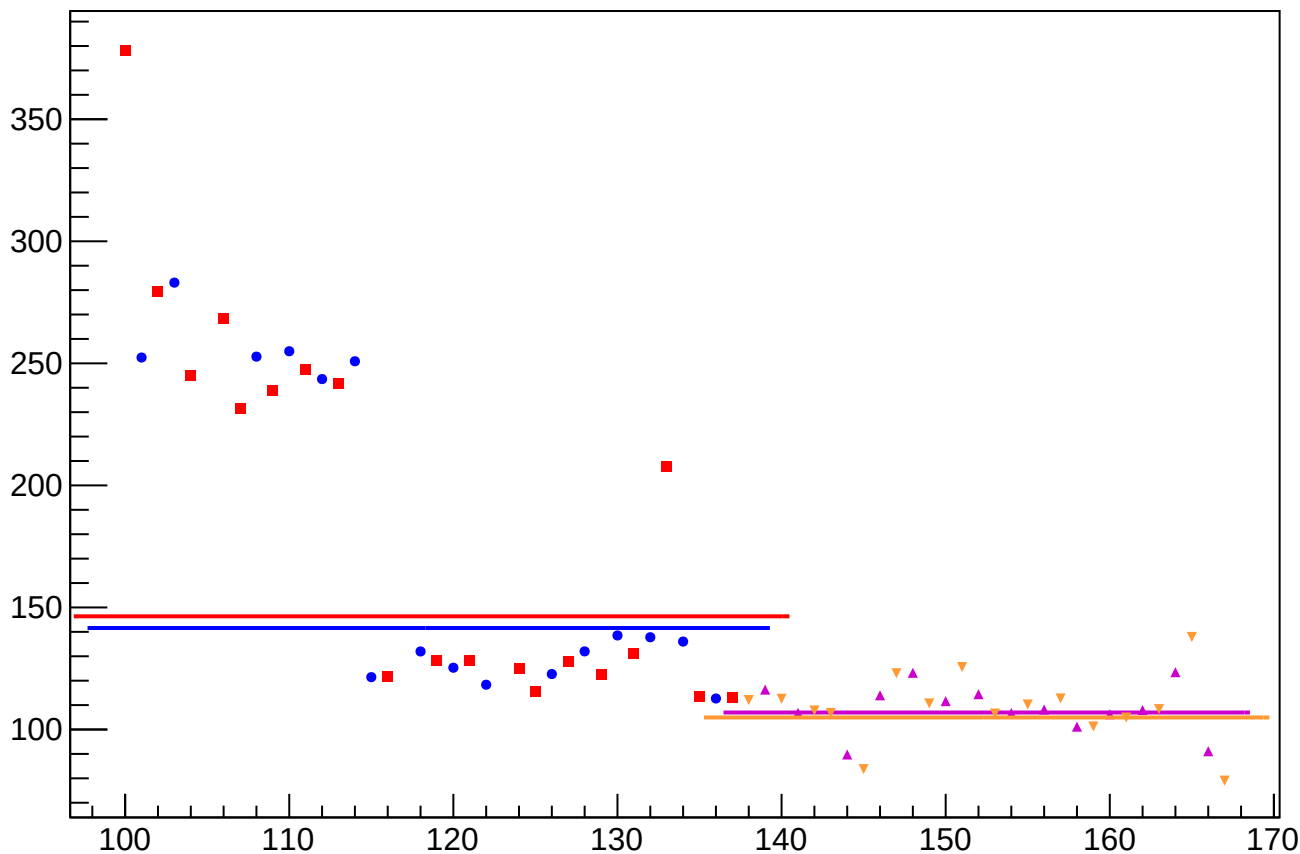
Left In: -65.107 $\pm$ 31.980 χ^2 /NDF:17.7/13

+ sign 65.249 $\pm$ 26.381 χ^2 /NDF: 44.7/31

All: 7.985 $\pm$ 19.166 χ^2 /NDF: 93.3/64

- sign -56.028 $\pm$ 27.892 χ^2 /NDF: 38.6/32

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF : 1262350.2/15

Left Out: 104.925+/-0.021 χ^2/NDF : 453282.9/15

Right Out: 146.368+/-0.040 χ^2/NDF : 1513641.5/18

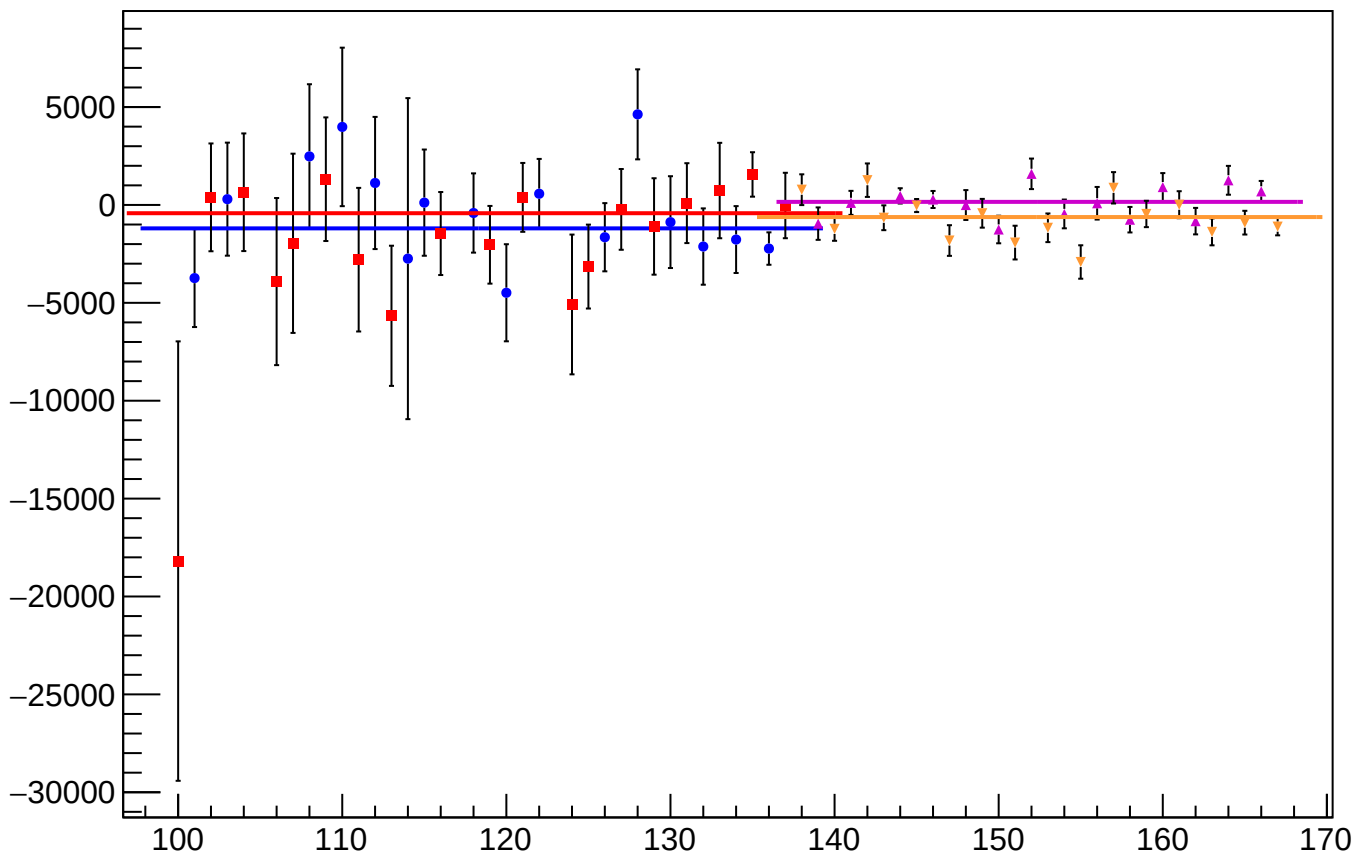
Left In: 106.967+/-0.023 χ^2/NDF : 180808.1/13

+ sign 113.189+/-0.019 χ^2/NDF : 2390009.8/31

All: 114.703+/-0.014 χ^2/NDF : 4824977.8/64

- sign 116.396+/-0.020 χ^2/NDF : 2421007.8/32

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: -618.553 $\pm$ 156.246 χ^2/NDF : 31.6/15

Right Out: -422.163 $\pm$ 523.833 χ^2/NDF : 14.3/18

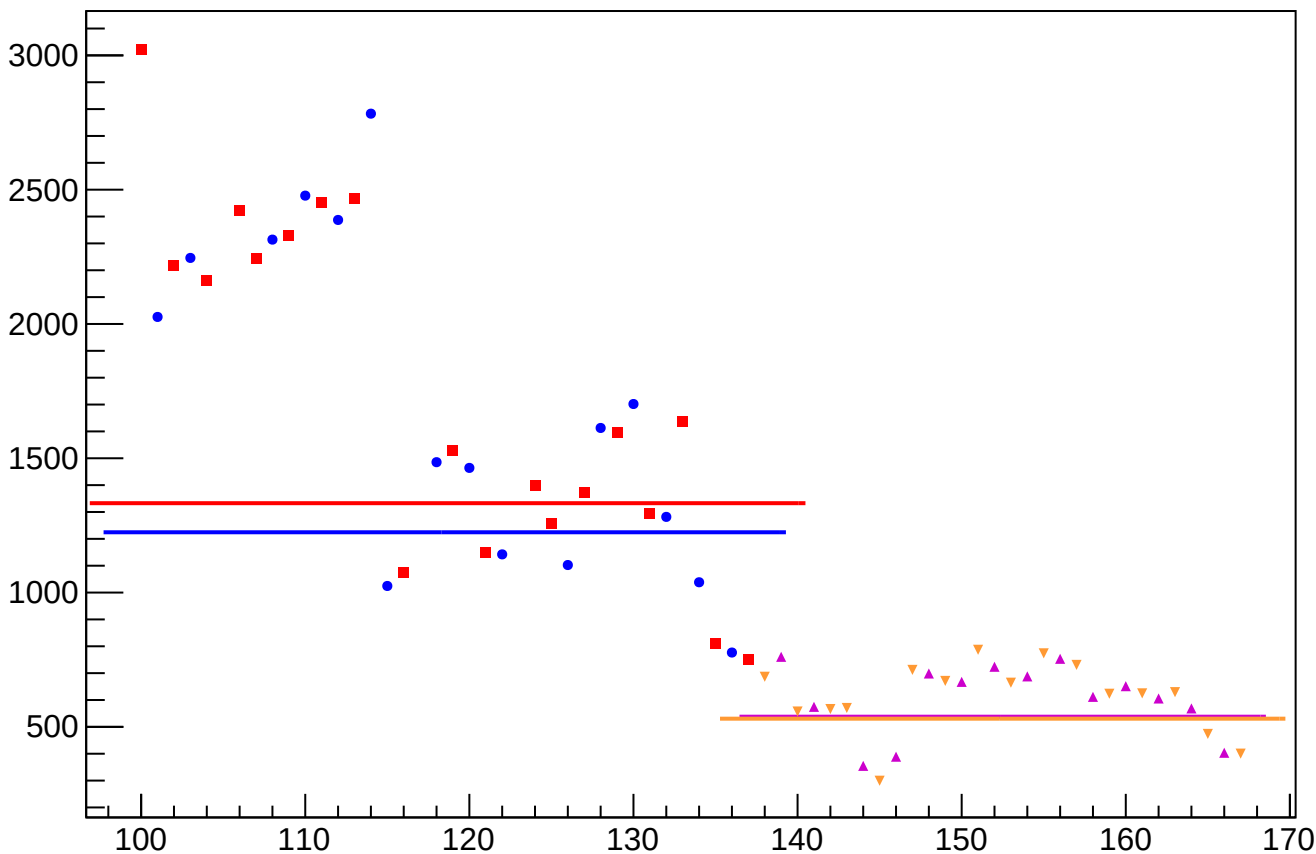
Left In: 157.037 $\pm$ 165.572 χ^2/NDF : 19.1/13

+ sign -671.636 $\pm$ 148.900 χ^2/NDF : 48.8/31

All: -306.287 $\pm$ 108.322 χ^2/NDF : 96.1/64

- sign 104.428 $\pm$ 157.874 χ^2/NDF : 34.5/32

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470 $\pm$ 0.347 χ^2 /NDF: 1959341.1/15

Left Out: 530.472 $\pm$ 0.110 χ^2 /NDF: 2068556.0/15

+ sign 594.196 $\pm$ 0.105 χ^2 /NDF: 7650964.8/31

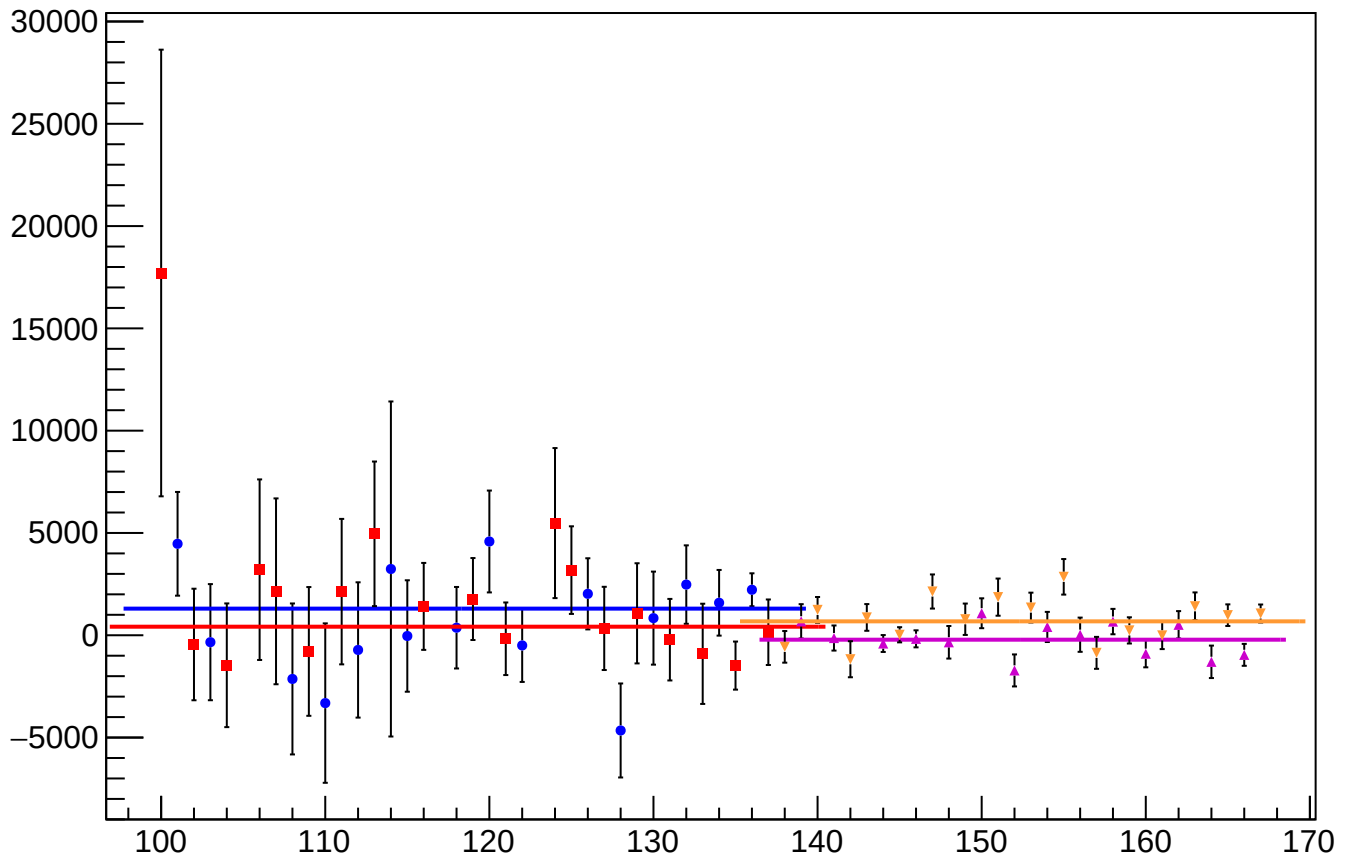
Right Out: 1332.784 $\pm$ 0.370 χ^2 /NDF: 1994794.3/18

All: 601.664 $\pm$ 0.077 χ^2 /NDF: 15383111.1/64

Left In: 537.856 $\pm$ 0.117 χ^2 /NDF: 1539273.3/13

- sign 610.060 $\pm$ 0.112 χ^2 /NDF: 7721458.0/32

asym_sam_26_avg_mean vs Slug



Right In: 1301.623 $\pm$ 481.959 χ^2 /NDF: 16.5/15

Left Out: 679.604 $\pm$ 158.339 χ^2 /NDF:30.6/15

Right Out: 418.283 $\pm$ 524.515 χ^2 /NDF: 13.0/18

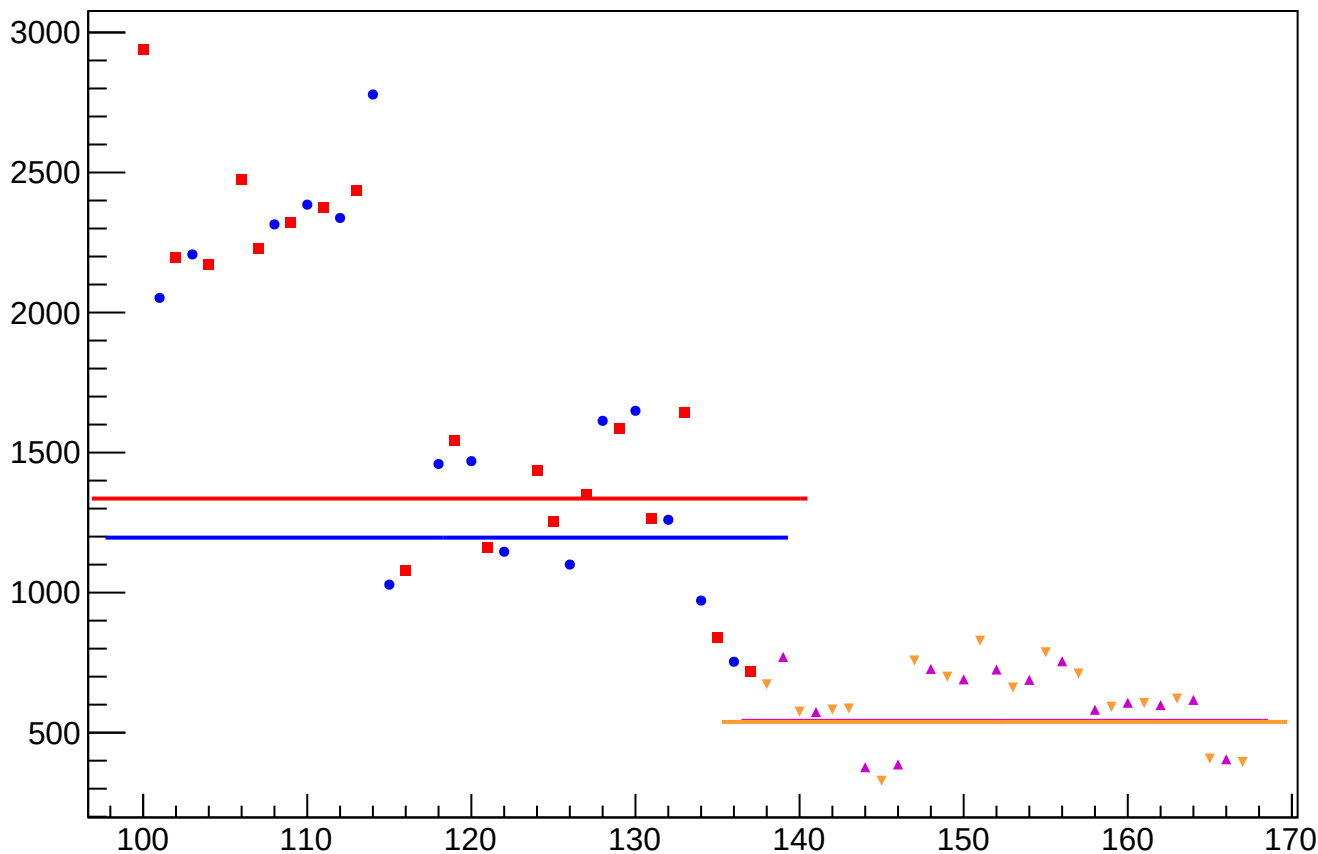
Left In: -217.219 $\pm$ 166.117 χ^2 /NDF:17.1/13

+ sign 740.200 $\pm$ 150.429 χ^2 /NDF: 48.6/31

All: 313.557 $\pm$ 109.067 χ^2 /NDF: 97.0/64

- sign -159.288 $\pm$ 158.364 χ^2 /NDF: 31.5/32

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF : 2031710.2/15

Left Out: 538.341+/-0.112 χ^2/NDF : 1871828.3/15

Right Out: 1335.809+/-0.371 χ^2/NDF : 1951472.1/18

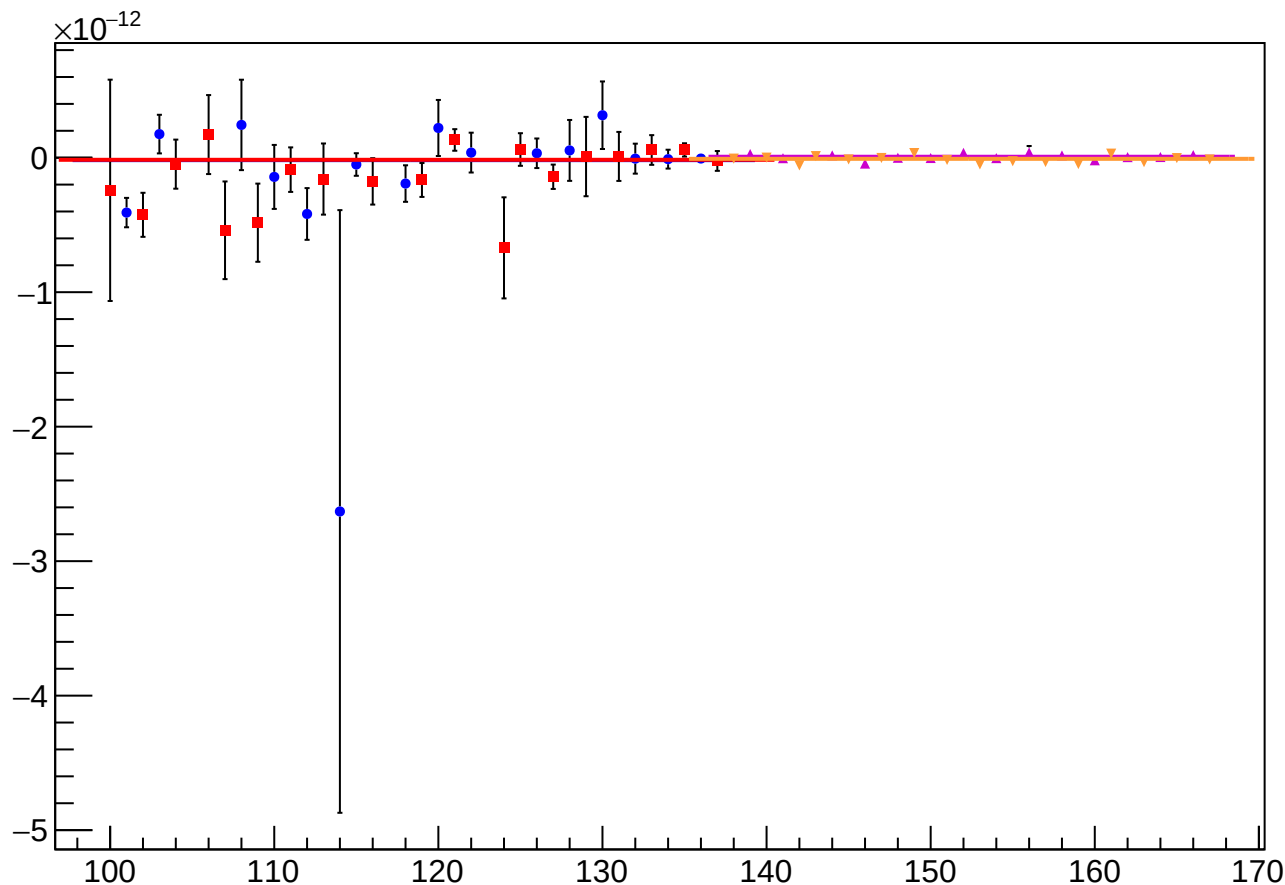
Left In: 542.204+/-0.117 χ^2/NDF : 1453676.6/13

+ sign 602.444+/-0.106 χ^2/NDF : 7268372.6/31

All: 608.185+/-0.077 χ^2/NDF : 14840786.5/64

- sign 614.548+/-0.112 χ^2/NDF : 7566272.1/32

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:14.6/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 25.6/18

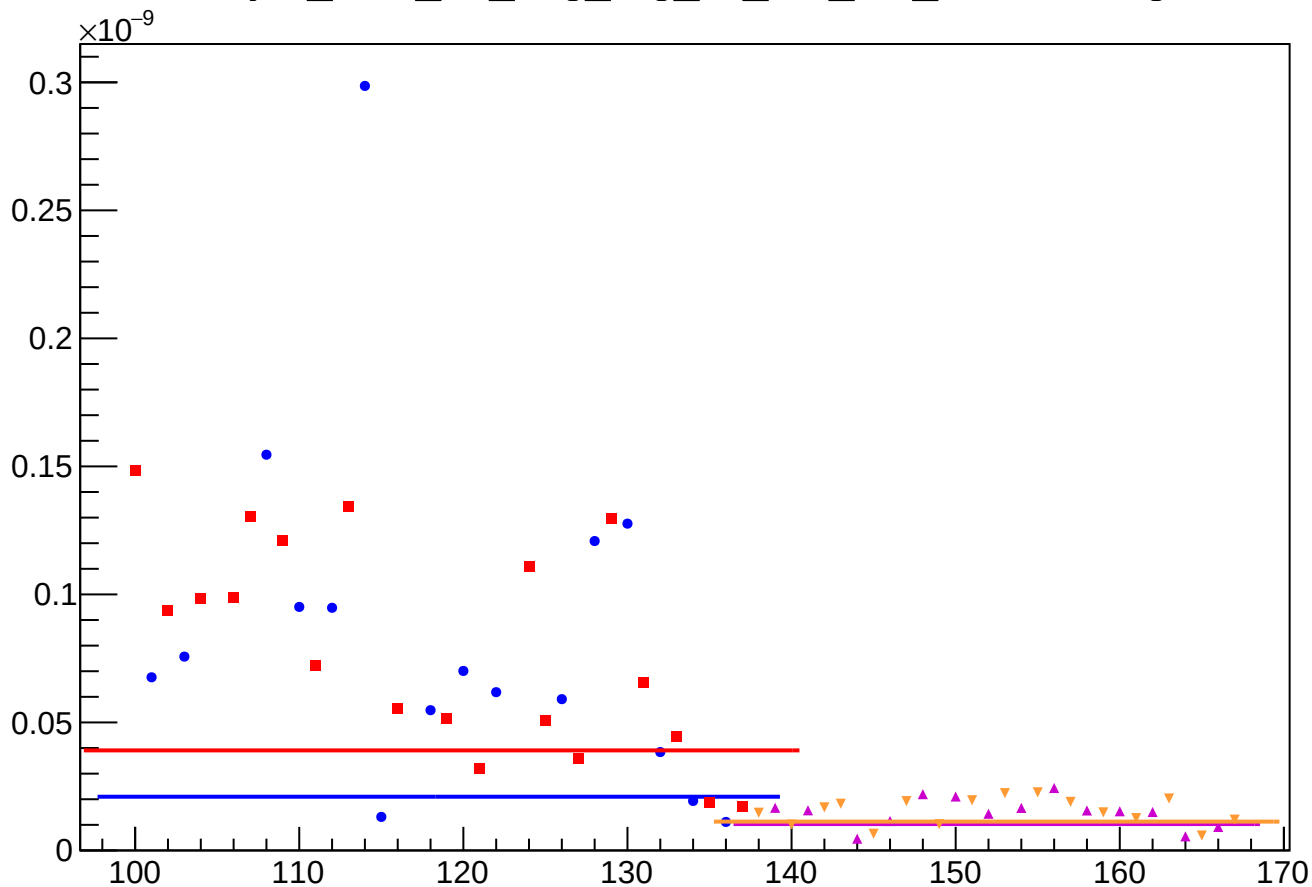
Left In: 0.000+/-0.000 χ^2 /NDF:13.0/13

+ sign -0.000+/-0.000 χ^2 /NDF: 41.6/31

All: -0.000+/-0.000 χ^2 /NDF: 85.0/64

- sign 0.000+/-0.000 χ^2 /NDF: 39.3/32

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 : 1806620.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2073862.3/18

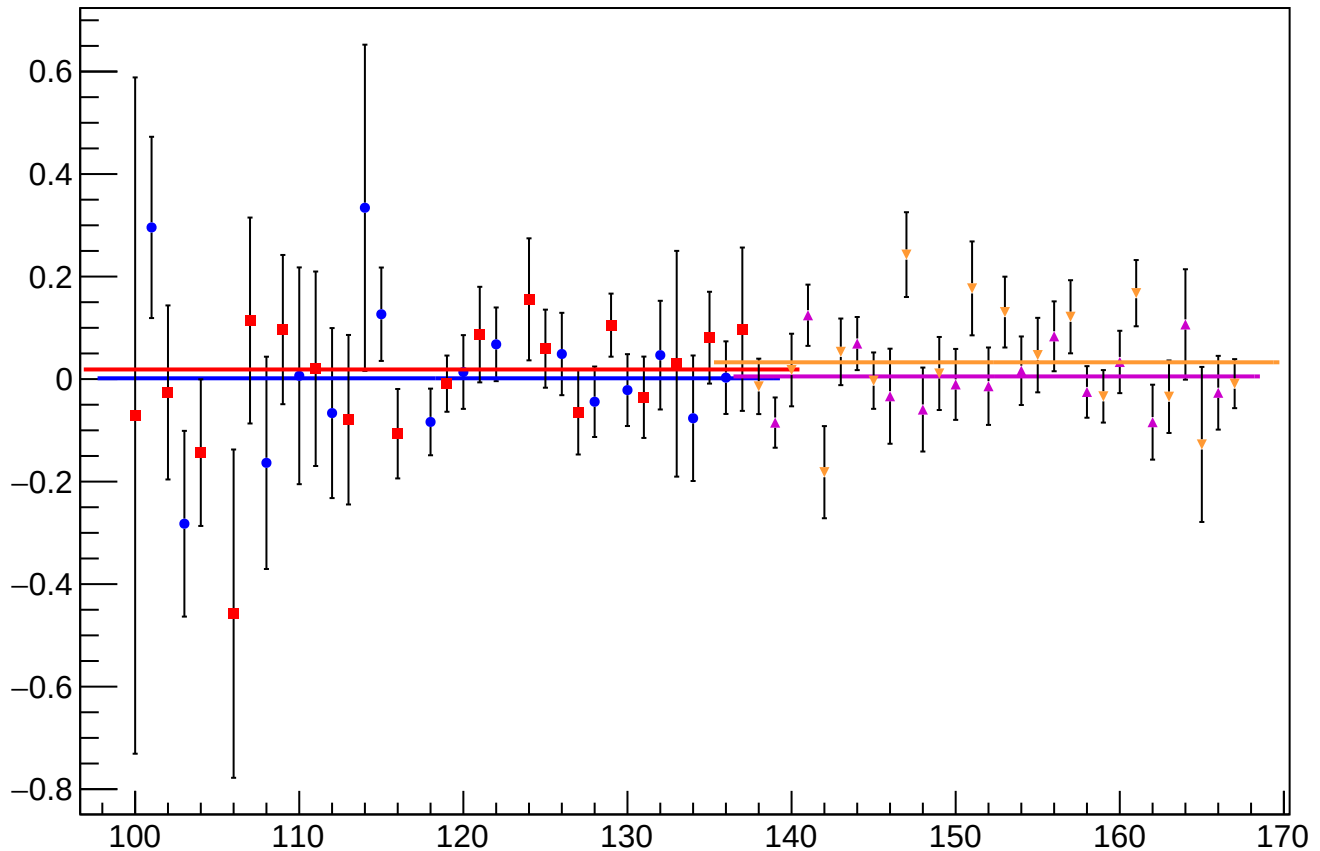
Left In: 0.000+/-0.000 χ^2/NDF : 2017809.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5732757.0/31

All: 0.000+/-0.000 χ^2/NDF : 11929285.6/64

- sign 0.000+/-0.000 χ^2/NDF : 6182182.9/32

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 $\chi^2/\text{NDF}: 13.1/15$

Left Out: 0.033 ± 0.017 $\chi^2/\text{NDF}: 28.4/15$

Right Out: 0.019 ± 0.024 $\chi^2/\text{NDF}: 13.1/18$

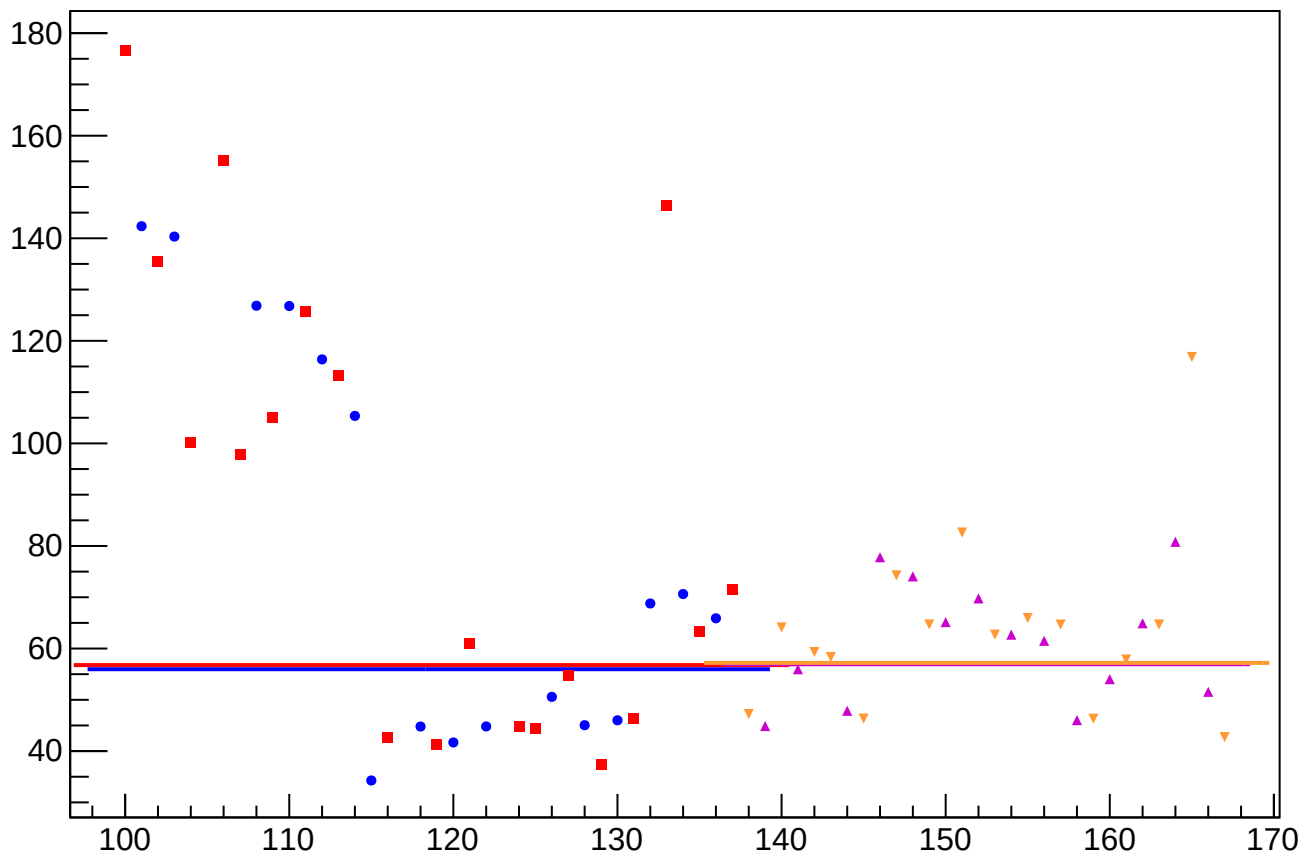
Left In: 0.005 ± 0.017 $\chi^2/\text{NDF}: 14.3/13$

+ sign 0.022 ± 0.014 $\chi^2/\text{NDF}: 42.7/31$

All: 0.016 ± 0.010 $\chi^2/\text{NDF}: 70.7/64$

- sign 0.010 ± 0.014 $\chi^2/\text{NDF}: 27.6/32$

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF : 2179829.3/15

Left Out: 57.196+/-0.012 χ^2/NDF : 1099192.8/15

Right Out: 56.770+/-0.017 χ^2/NDF : 2553223.5/18

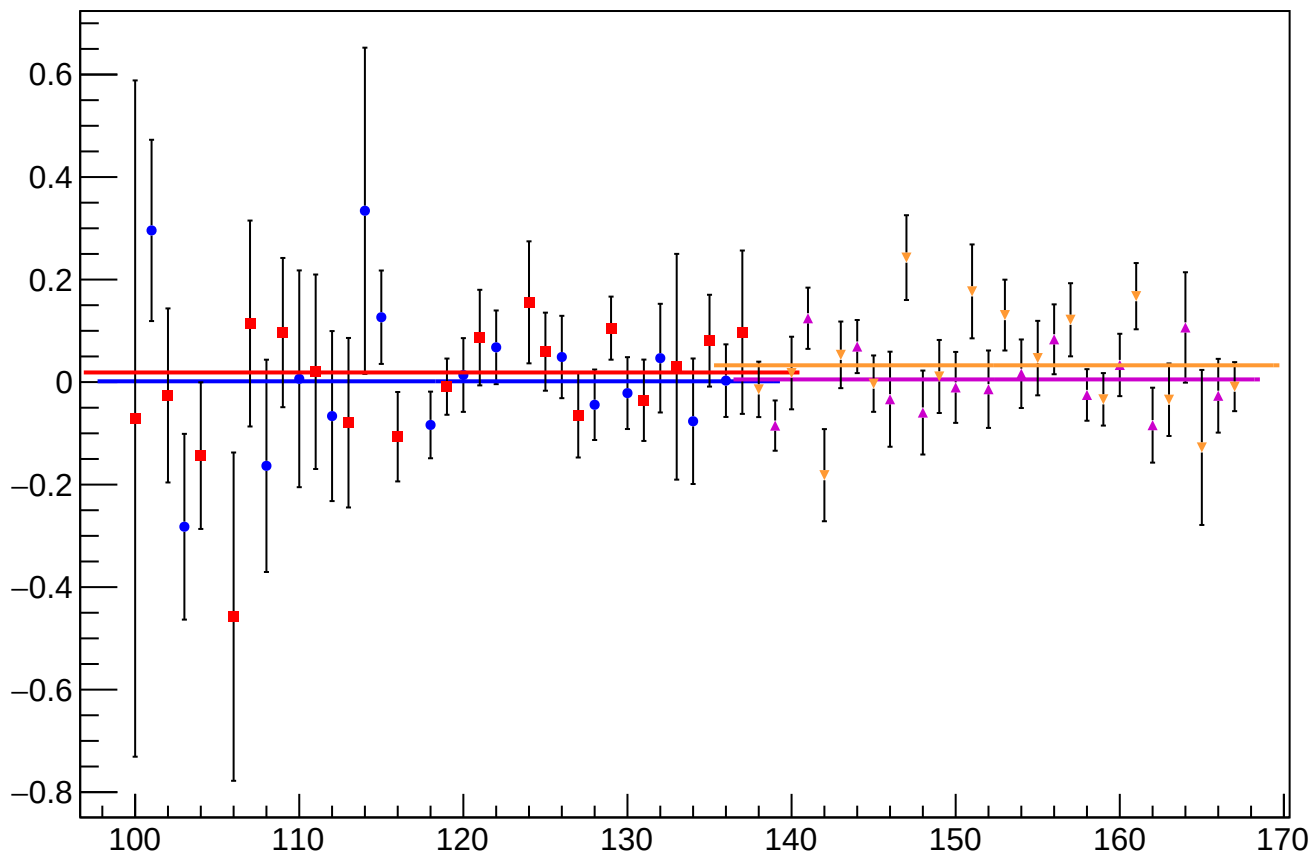
Left In: 56.932+/-0.012 χ^2/NDF : 712990.5/13

+ sign 56.782+/-0.010 χ^2/NDF : 3282666.8/31

All: 56.827+/-0.007 χ^2/NDF : 6548987.0/64

- sign 56.875+/-0.010 χ^2/NDF : 3266275.3/32

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 $\chi^2/\text{NDF}: 13.1/15$

Left Out: 0.033 ± 0.017 $\chi^2/\text{NDF}: 28.4/15$

Right Out: 0.019 ± 0.024 $\chi^2/\text{NDF}: 13.1/18$

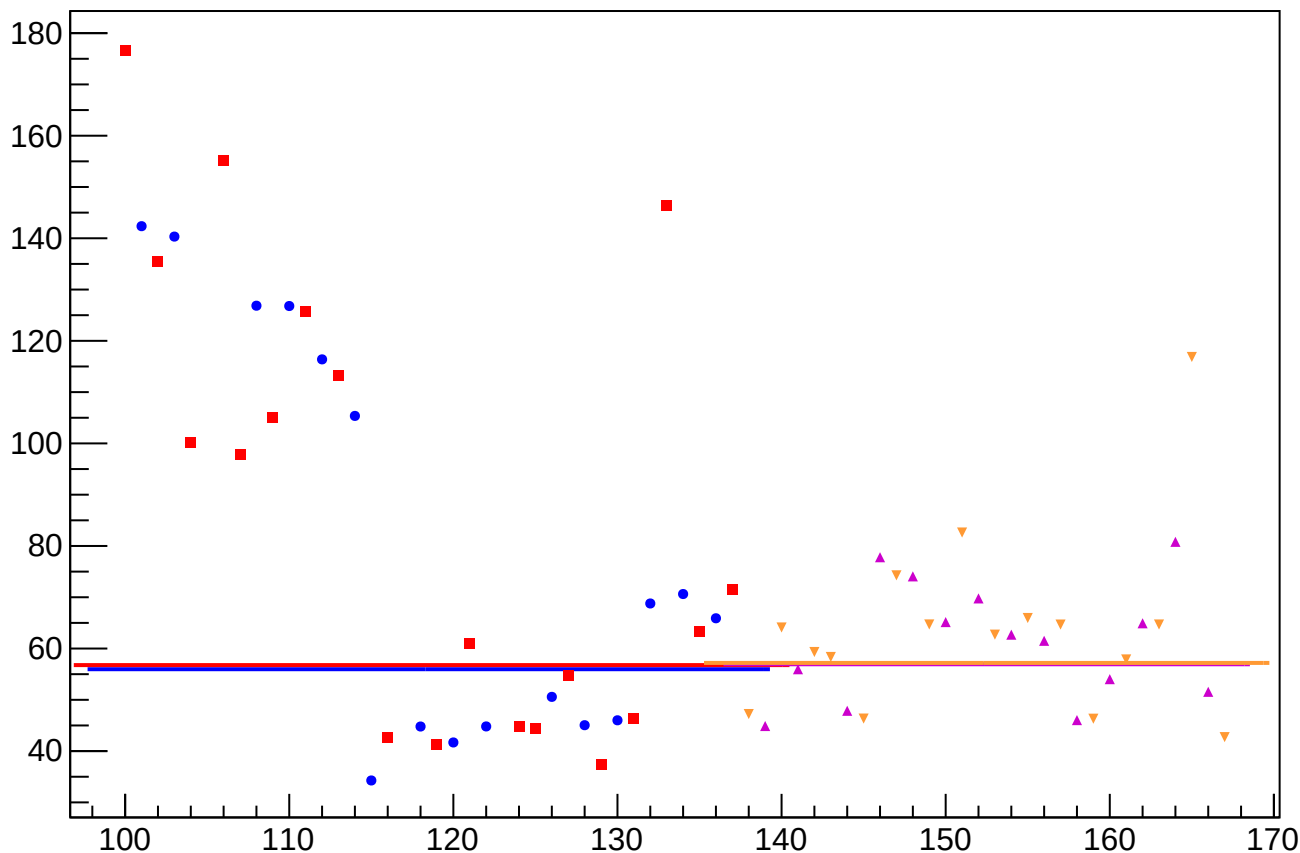
Left In: 0.005 ± 0.017 $\chi^2/\text{NDF}: 14.3/13$

+ sign 0.022 ± 0.014 $\chi^2/\text{NDF}: 42.7/31$

All: 0.016 ± 0.010 $\chi^2/\text{NDF}: 70.7/64$

- sign 0.010 ± 0.014 $\chi^2/\text{NDF}: 27.6/32$

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: 57.196+/-0.012 χ^2/NDF : 1099192.8/15

Right Out: 56.770+/-0.017 χ^2/NDF : 2553223.5/18

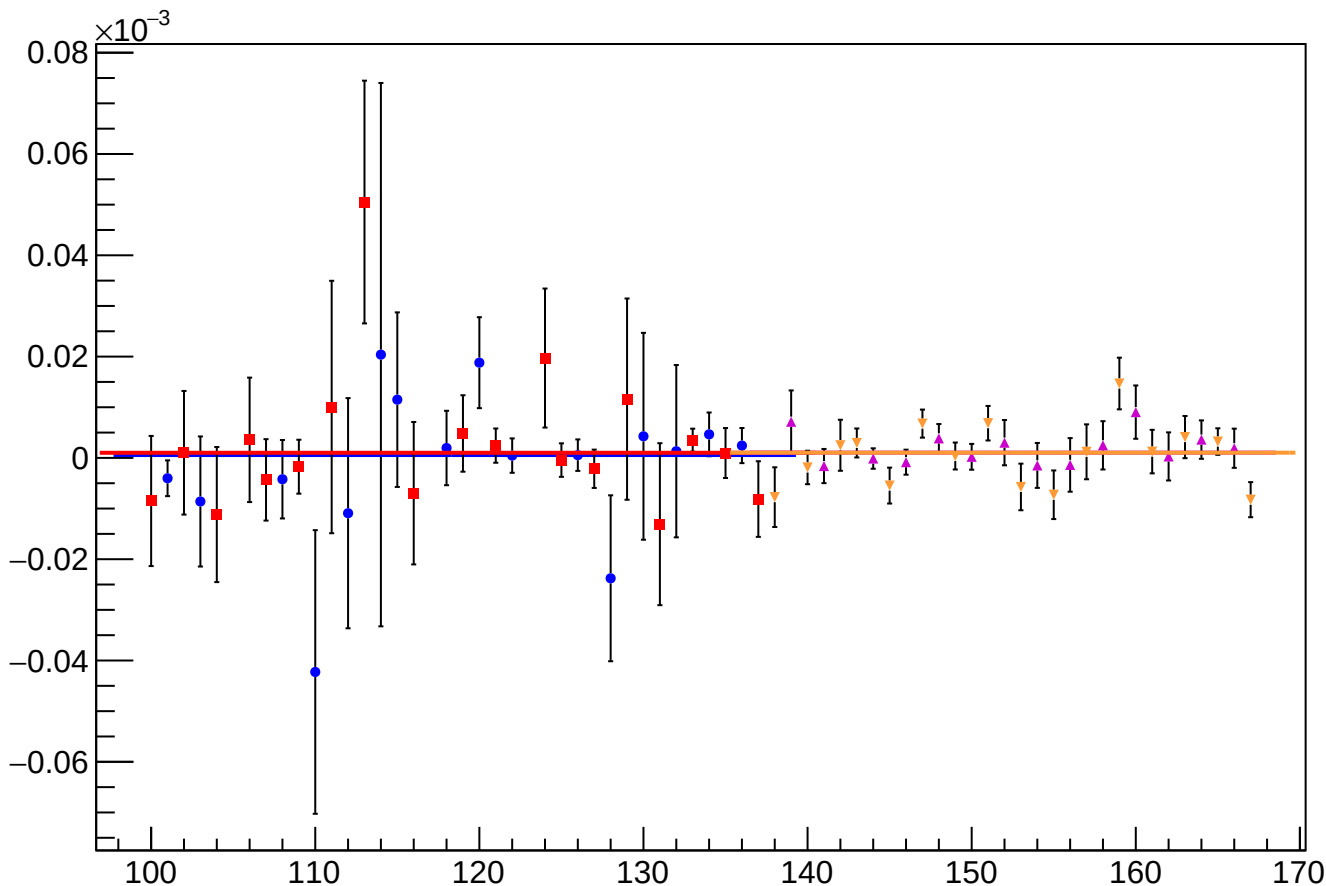
Left In: 56.932+/-0.012 χ^2/NDF : 712990.5/13

+ sign 56.782+/-0.010 χ^2/NDF : 3282666.8/31

All: 56.827+/-0.007 χ^2/NDF : 6548987.0/64

- sign 56.875+/-0.010 χ^2/NDF : 3266275.3/32

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:34.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

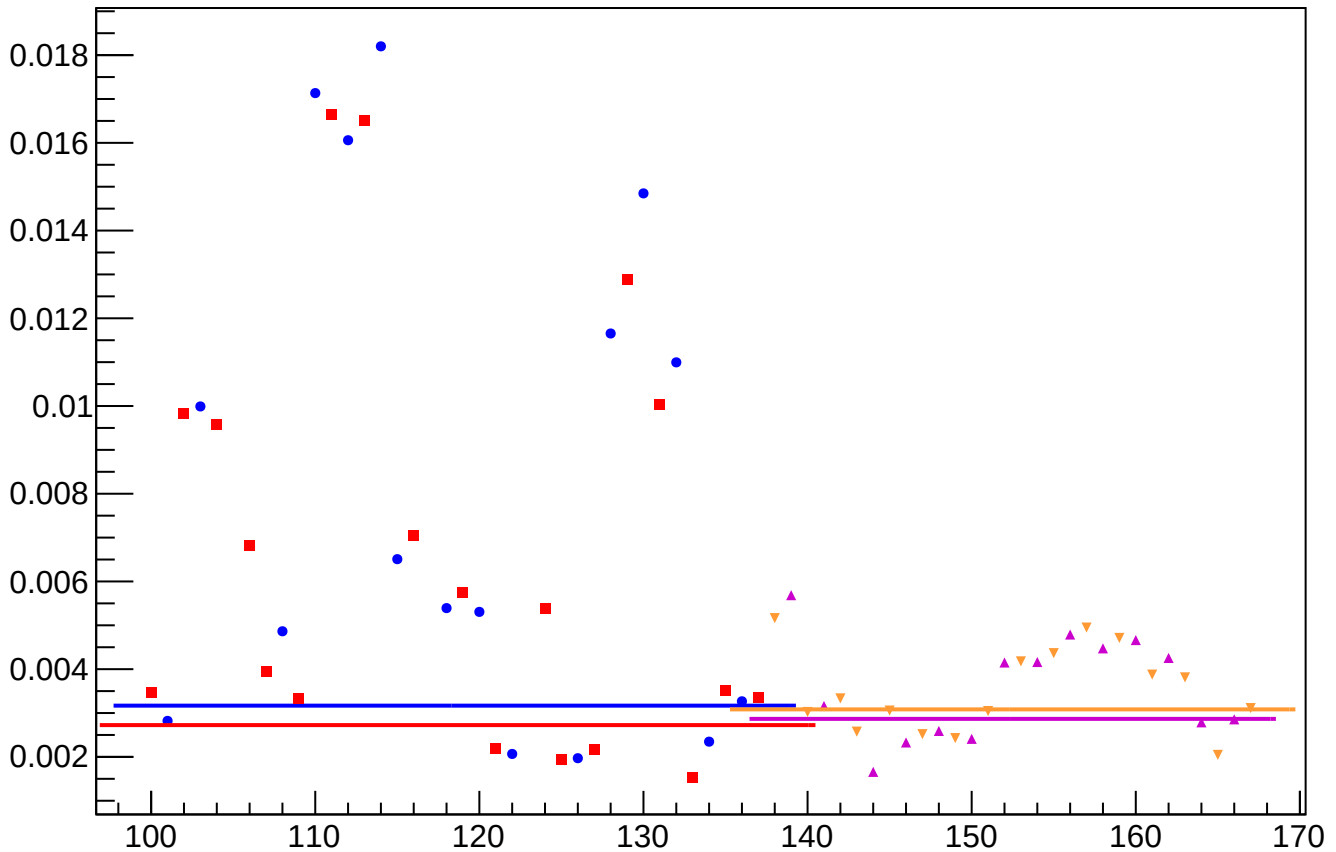
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.4/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/32

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 4545616.6/15

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 1662876.1/15

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 5153213.6/18

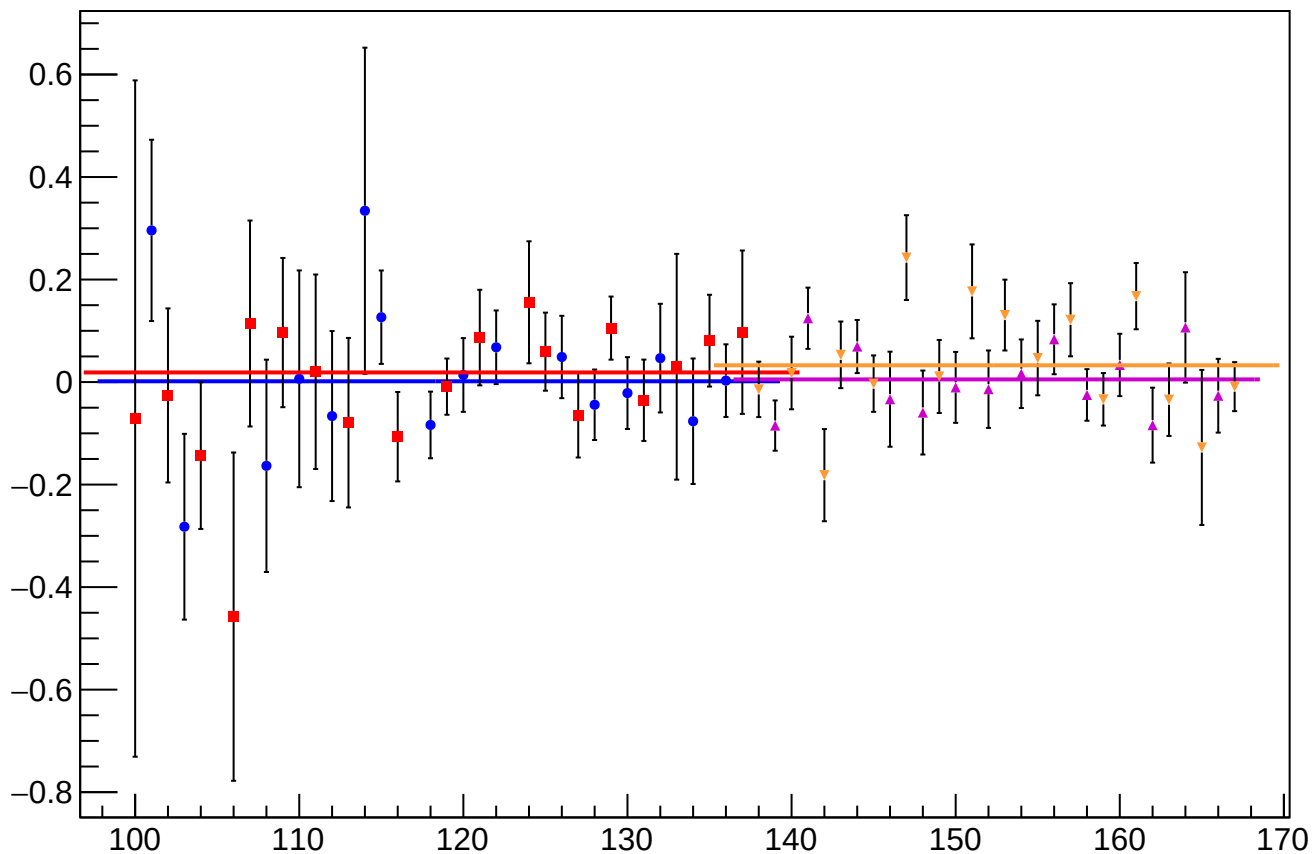
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 2559582.5/13

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 6213473.8/31

All: 0.003 $\pm$ 0.000 χ^2/NDF : 14089063.1/64

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 7729218.2/32

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 $\chi^2/\text{NDF}: 13.1/15$

Left Out: 0.033 ± 0.017 $\chi^2/\text{NDF}: 28.4/15$

Right Out: 0.019 ± 0.024 $\chi^2/\text{NDF}: 13.1/18$

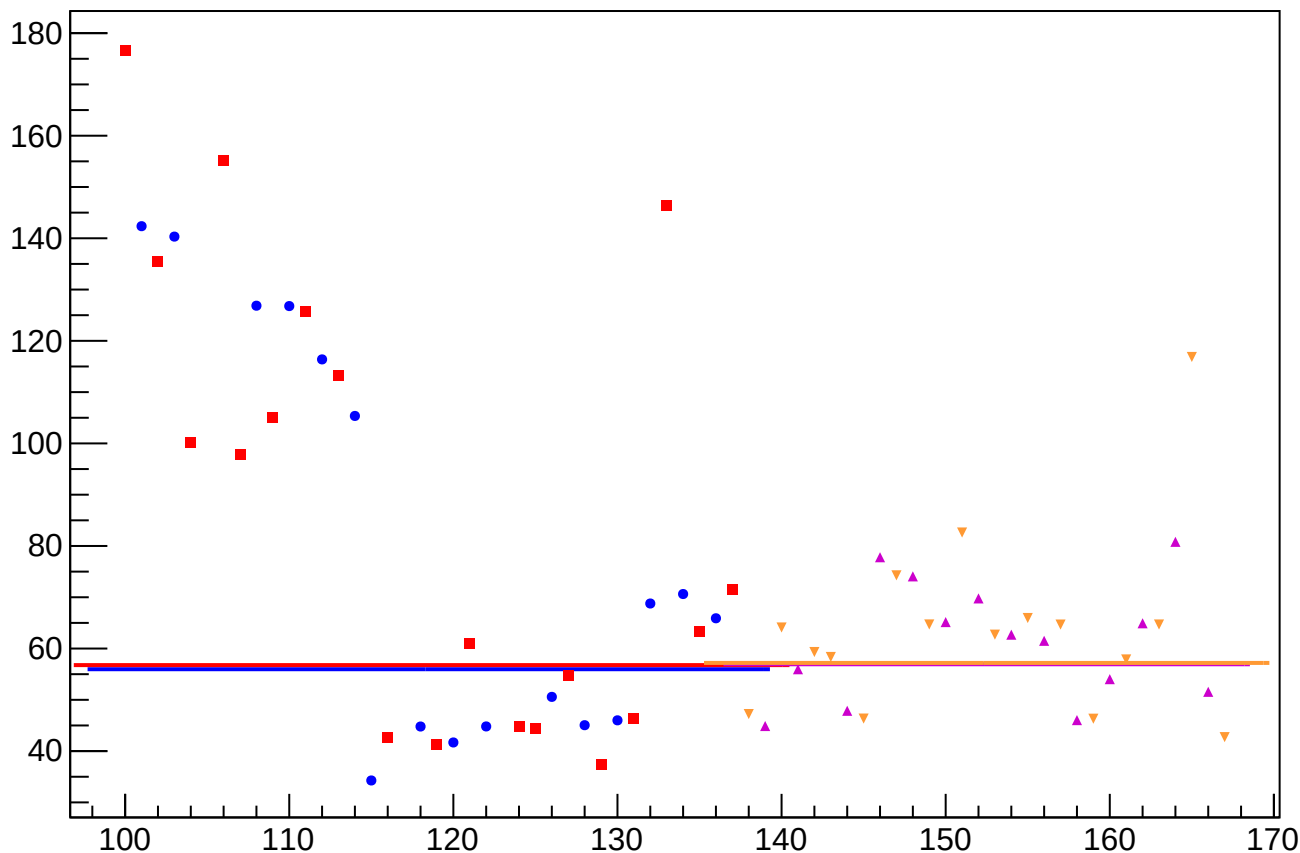
Left In: 0.005 ± 0.017 $\chi^2/\text{NDF}: 14.3/13$

+ sign 0.022 ± 0.014 $\chi^2/\text{NDF}: 42.7/31$

All: 0.016 ± 0.010 $\chi^2/\text{NDF}: 70.7/64$

- sign 0.010 ± 0.014 $\chi^2/\text{NDF}: 27.6/32$

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF : 2179757.6/15

Left Out: 57.196+/-0.012 χ^2/NDF : 1099196.2/15

Right Out: 56.770+/-0.017 χ^2/NDF : 2553168.3/18

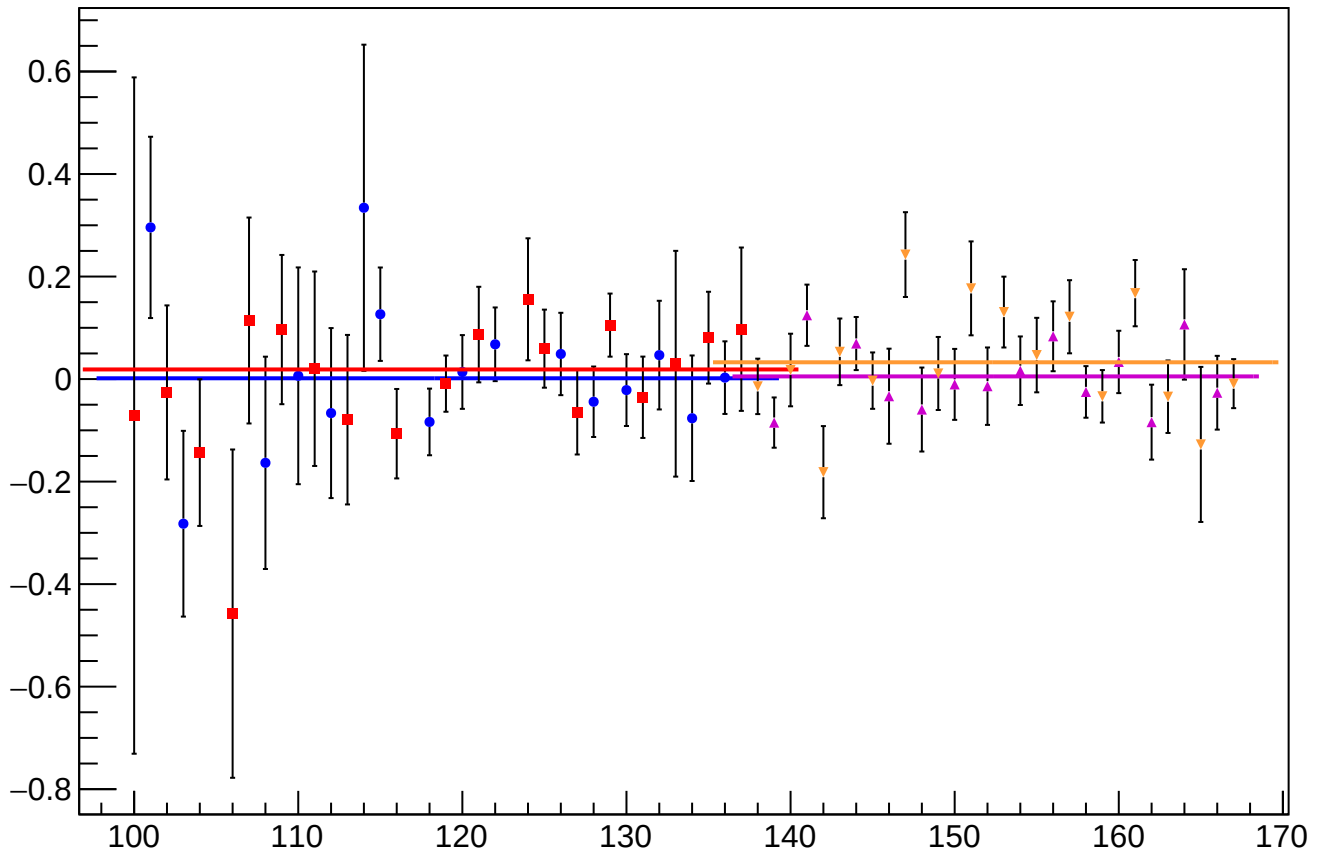
Left In: 56.933+/-0.012 χ^2/NDF : 712994.4/13

+ sign 56.783+/-0.010 χ^2/NDF : 3282602.9/31

All: 56.827+/-0.007 χ^2/NDF : 6548872.6/64

- sign 56.875+/-0.010 χ^2/NDF : 3266224.8/32

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: 0.033 ± 0.017 $\chi^2/\text{NDF}: 28.4/15$

Right Out: 0.019 ± 0.024 $\chi^2/\text{NDF}: 13.1/18$

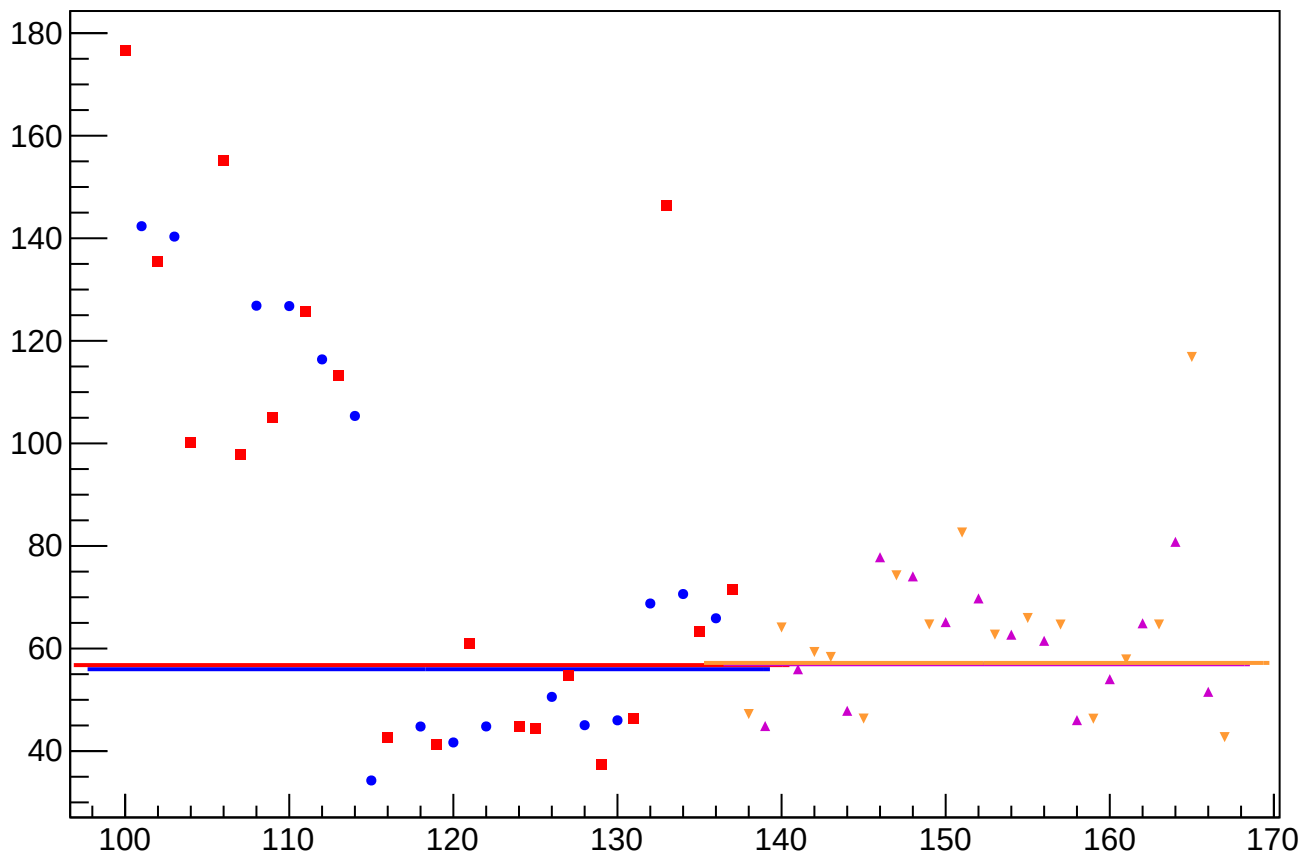
Left In: 0.005 ± 0.017 $\chi^2/\text{NDF}: 14.3/13$

+ sign 0.022 ± 0.014 $\chi^2/\text{NDF}: 42.7/31$

All: 0.016 ± 0.010 $\chi^2/\text{NDF}: 70.7/64$

- sign 0.010 ± 0.014 $\chi^2/\text{NDF}: 27.6/32$

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: 57.196 $\pm$ 0.012 χ^2 /NDF: 1099196.2/15

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553168.3/18

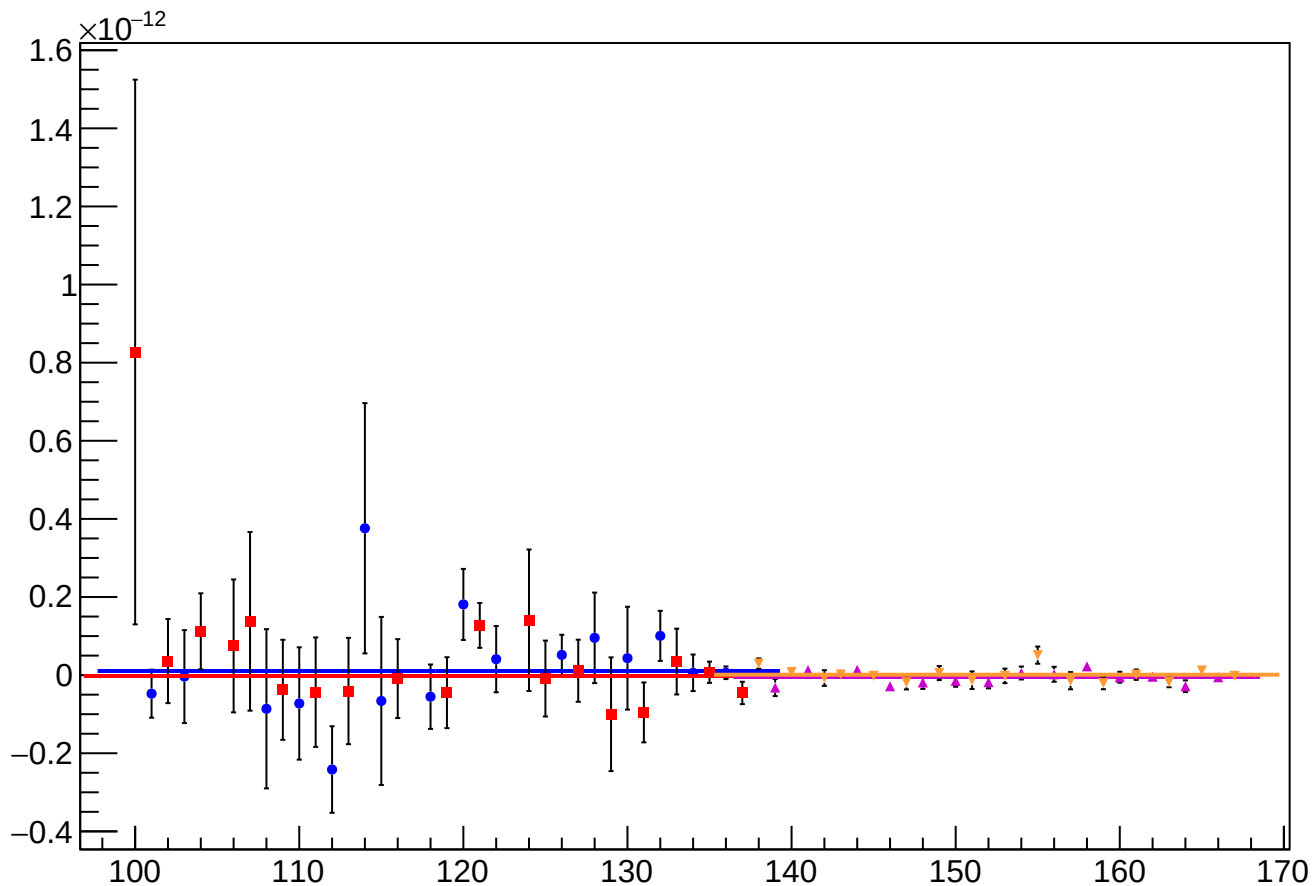
Left In: 56.933 $\pm$ 0.012 χ^2 /NDF: 712994.4/13

+ sign 56.783 $\pm$ 0.010 χ^2 /NDF: 3282602.9/31

All: 56.827 $\pm$ 0.007 χ^2 /NDF: 6548872.6/64

- sign 56.875 $\pm$ 0.010 χ^2 /NDF: 3266224.8/32

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: 18.2/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

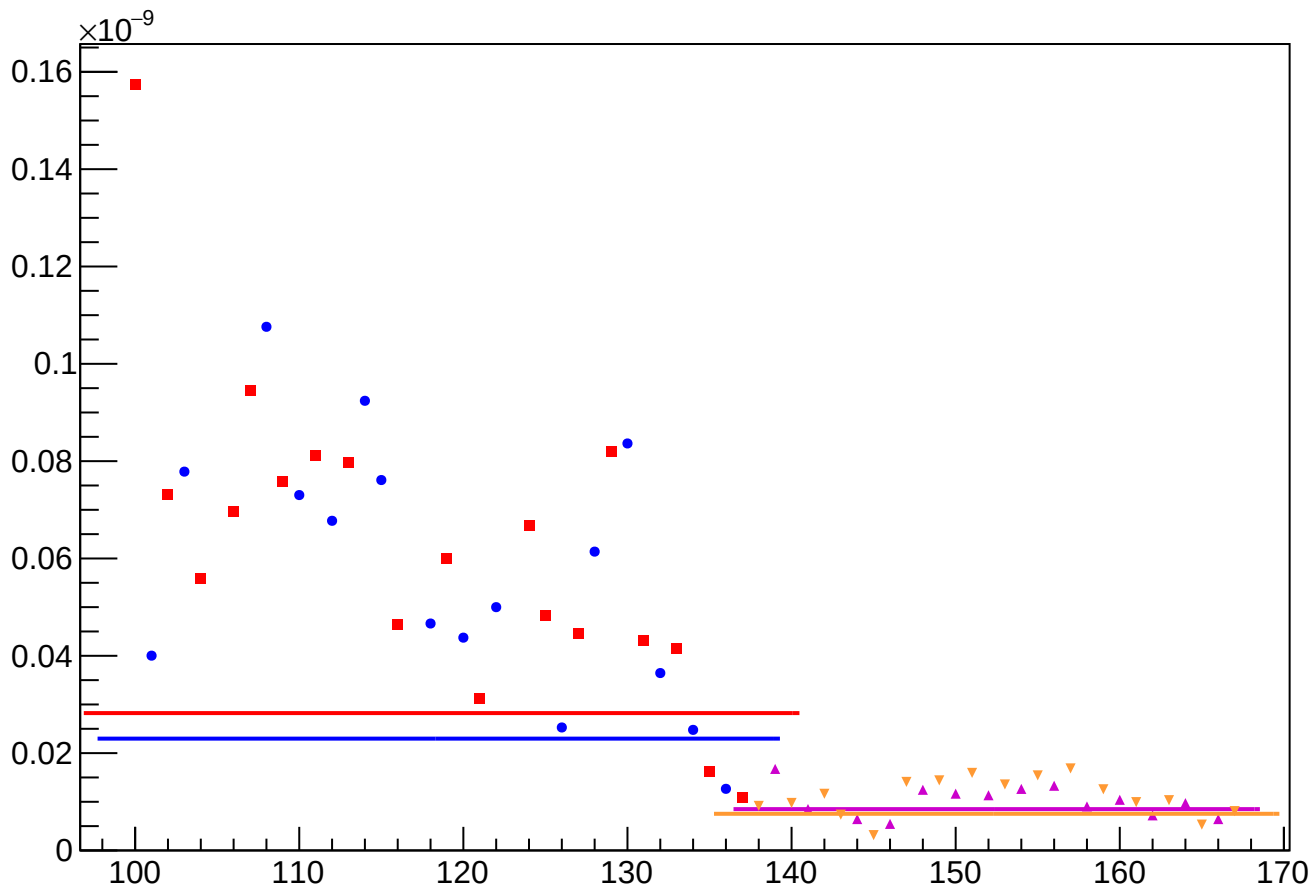
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.4/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 78.0/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.5/32

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3731982.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3818002.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3820523.4/18

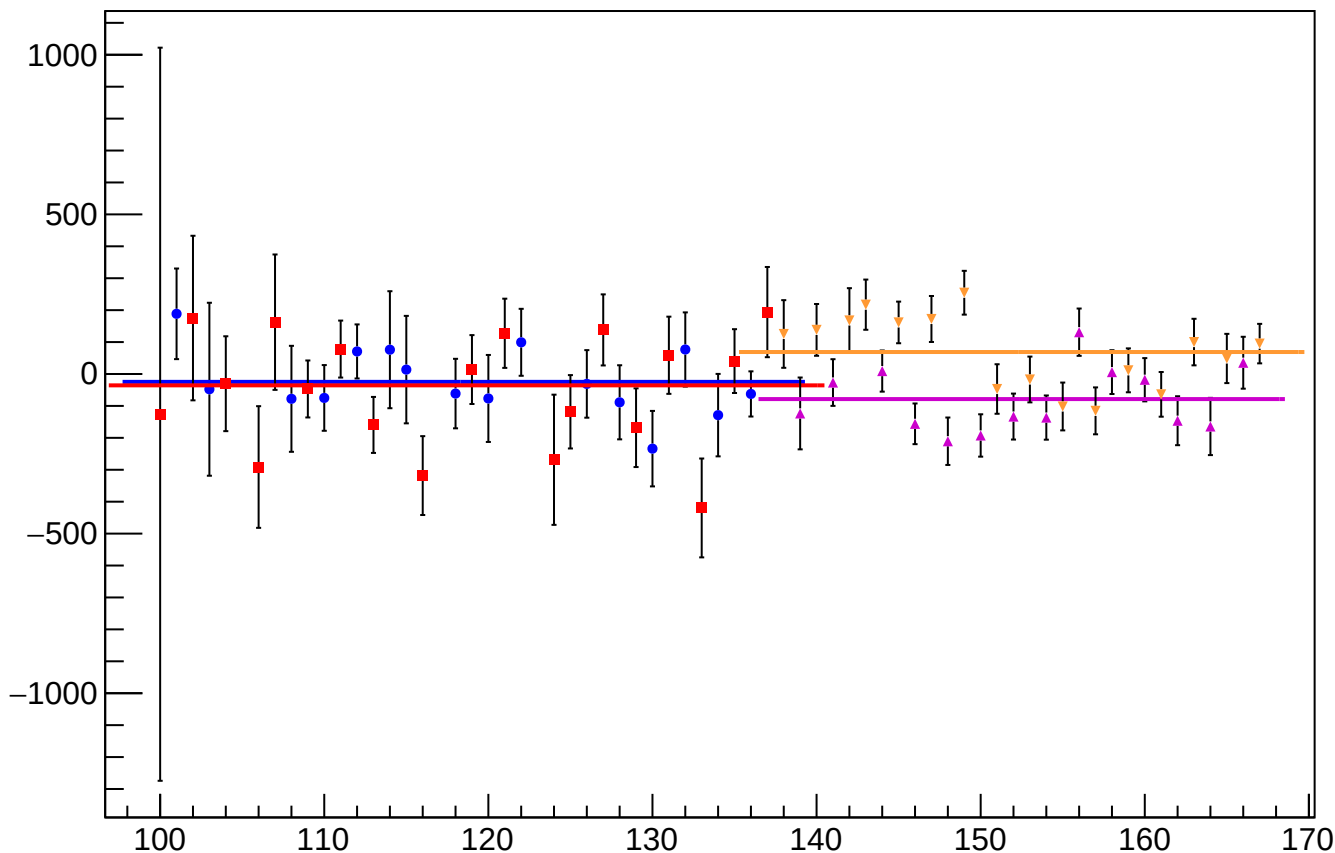
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1359992.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10251996.2/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 18654298.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8283086.7/32

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 68.852 ± 18.575 χ^2/NDF : 36.8/15

Right Out: -35.582 ± 28.454 χ^2/NDF : 30.1/18

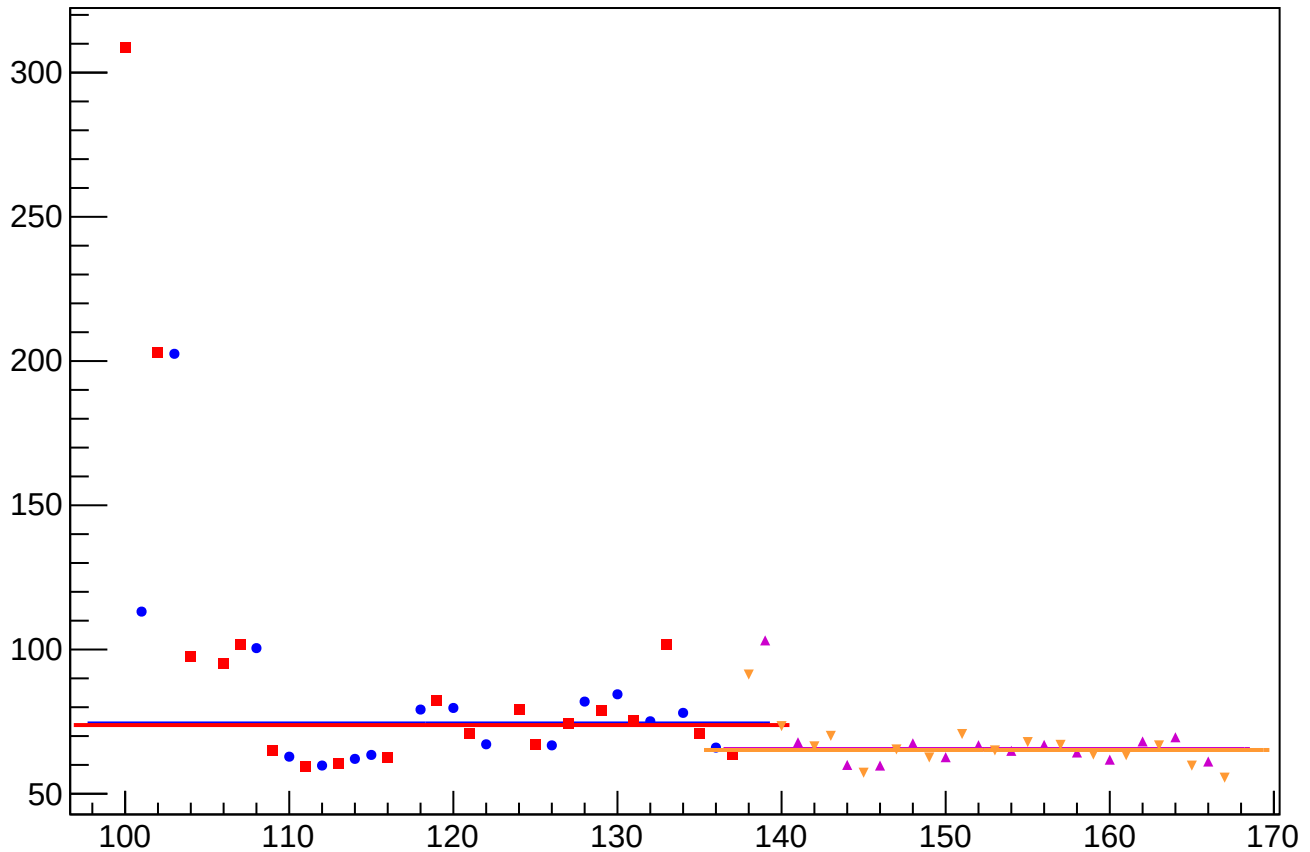
Left In: -78.572 ± 19.532 χ^2/NDF : 25.4/13

+ sign 41.539 ± 15.628 χ^2/NDF : 55.2/31

All: -10.038 ± 11.215 χ^2/NDF : 134.7/64

- sign -64.803 ± 16.103 χ^2/NDF : 57.0/32

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827583.1/15

Left Out: 65.174 $\pm$ 0.013 χ^2 /NDF: 258129.3/15

Right Out: 73.815 $\pm$ 0.020 χ^2 /NDF: 931949.0/18

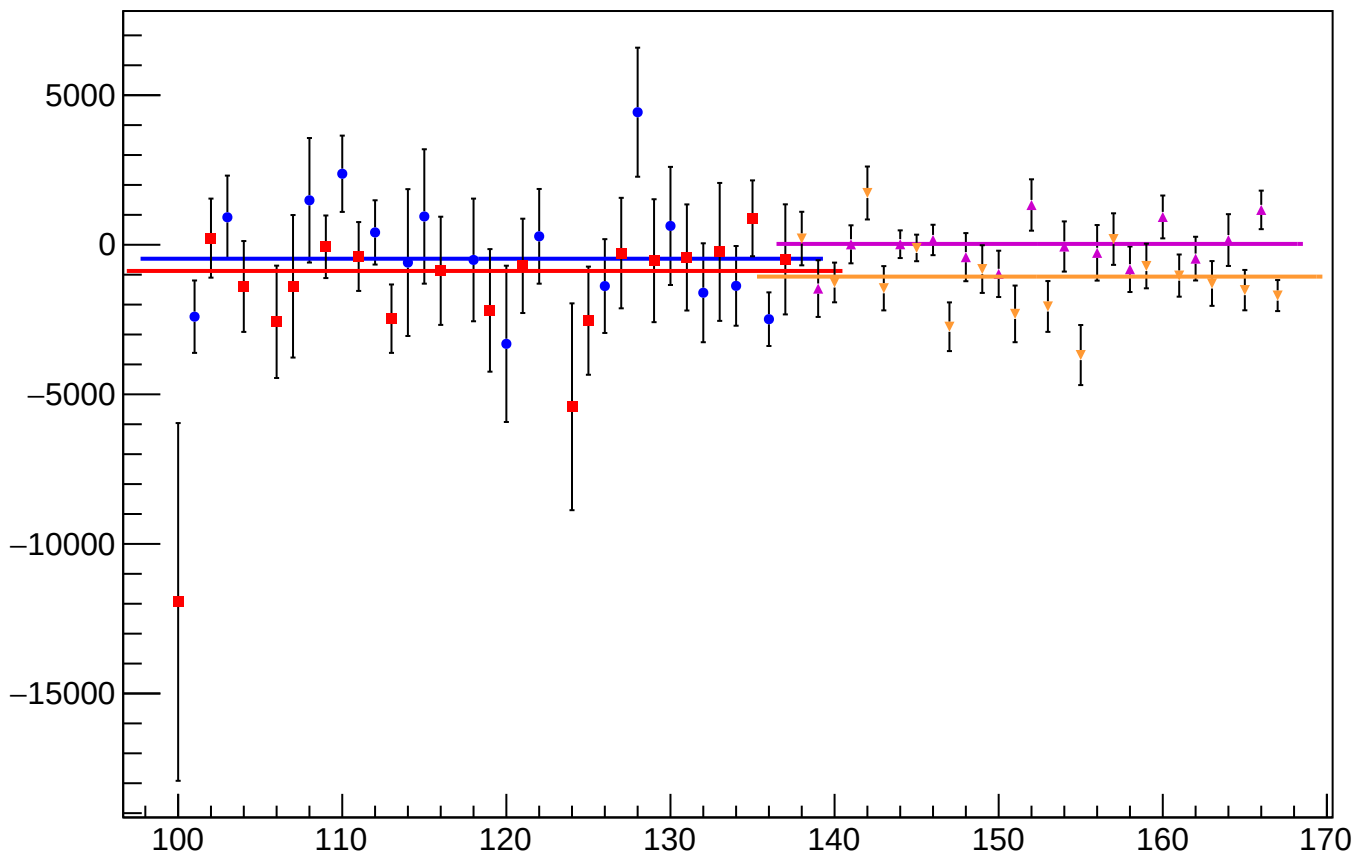
Left In: 65.518 $\pm$ 0.014 χ^2 /NDF: 282259.7/13

+ sign 67.861 $\pm$ 0.011 χ^2 /NDF: 1228882.6/31

All: 68.013 $\pm$ 0.008 χ^2 /NDF: 2559054.7/64

- sign 68.176 $\pm$ 0.011 χ^2 /NDF: 1329778.1/32

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524 $\pm$ 375.030 χ^2 /NDF: 23.7/15

Left Out: -1064.684 $\pm$ 179.235 χ^2 /NDF:35.7/15

Right Out: -875.351 $\pm$ 372.239 χ^2 /NDF: 13.1/18

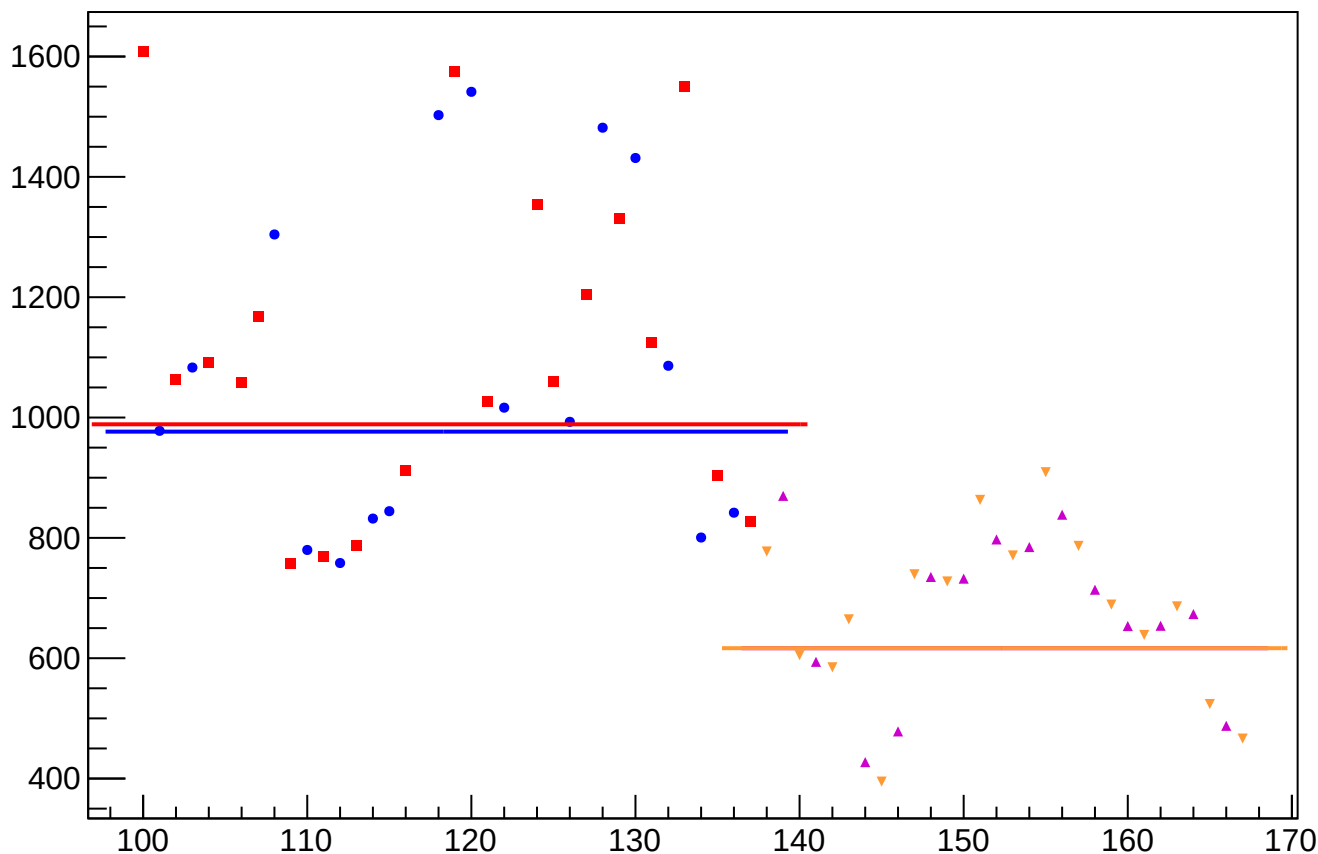
Left In: 28.404 $\pm$ 187.092 χ^2 /NDF:13.3/13

+ sign -953.462 $\pm$ 161.716 χ^2 /NDF: 61.4/31

All: -566.908 $\pm$ 116.229 χ^2 /NDF: 104.4/64

- sign -153.860 $\pm$ 167.165 χ^2 /NDF: 31.1/32

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583 $\pm$ 0.265 χ^2 /NDF: 736605.1/15

Left Out: 616.668 $\pm$ 0.127 χ^2 /NDF:1351936.2/15

Right Out: 988.763 $\pm$ 0.263 χ^2 /NDF: 715703.4/18

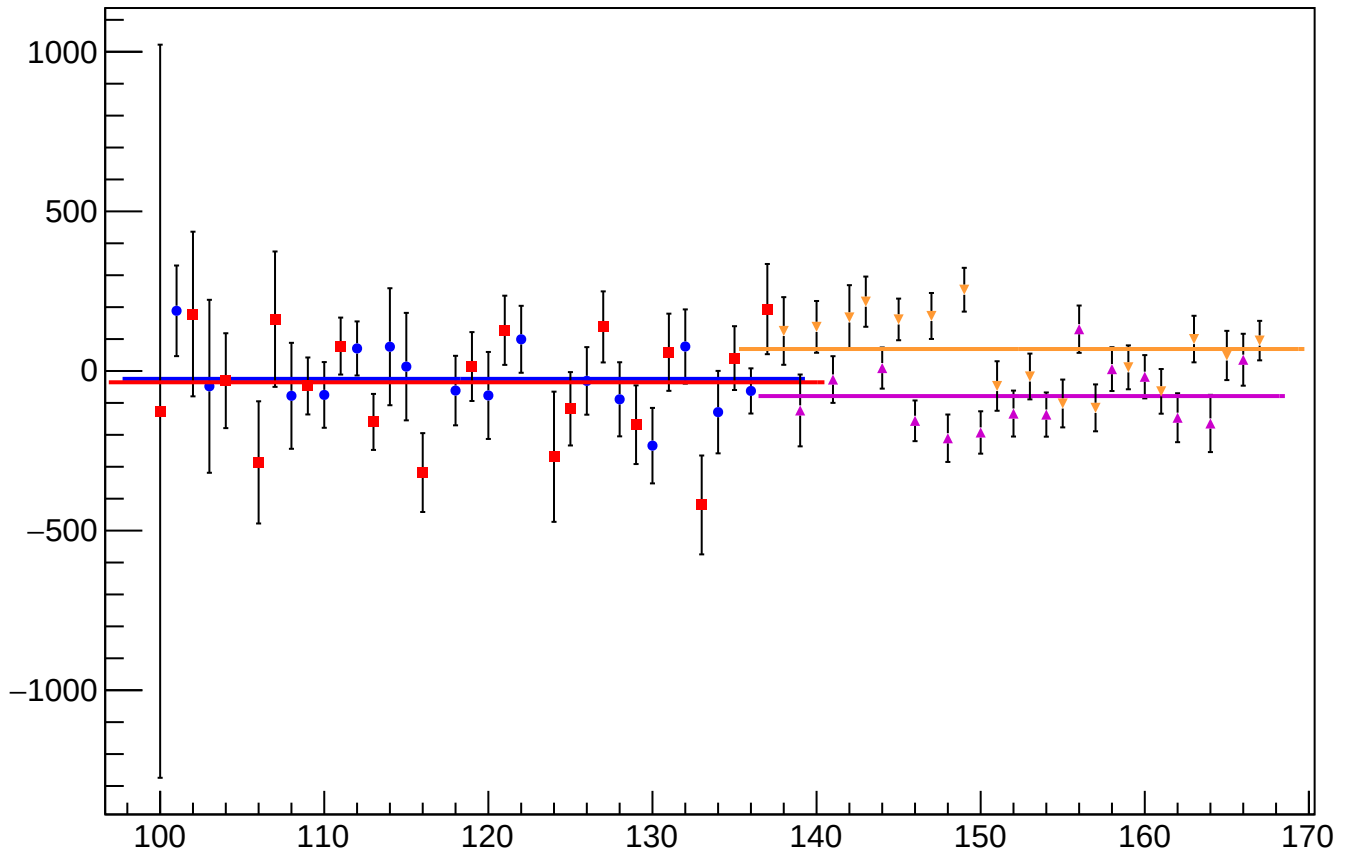
Left In: 616.586 $\pm$ 0.132 χ^2 /NDF:1130766.7/13

+ sign 683.590 $\pm$ 0.114 χ^2 /NDF: 3588068.4/31

All: 687.484 $\pm$ 0.082 χ^2 /NDF: 7033057.9/64

- sign 691.645 $\pm$ 0.118 χ^2 /NDF: 3442590.8/32

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 68.857 ± 18.575 χ^2/NDF : 36.8/15

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

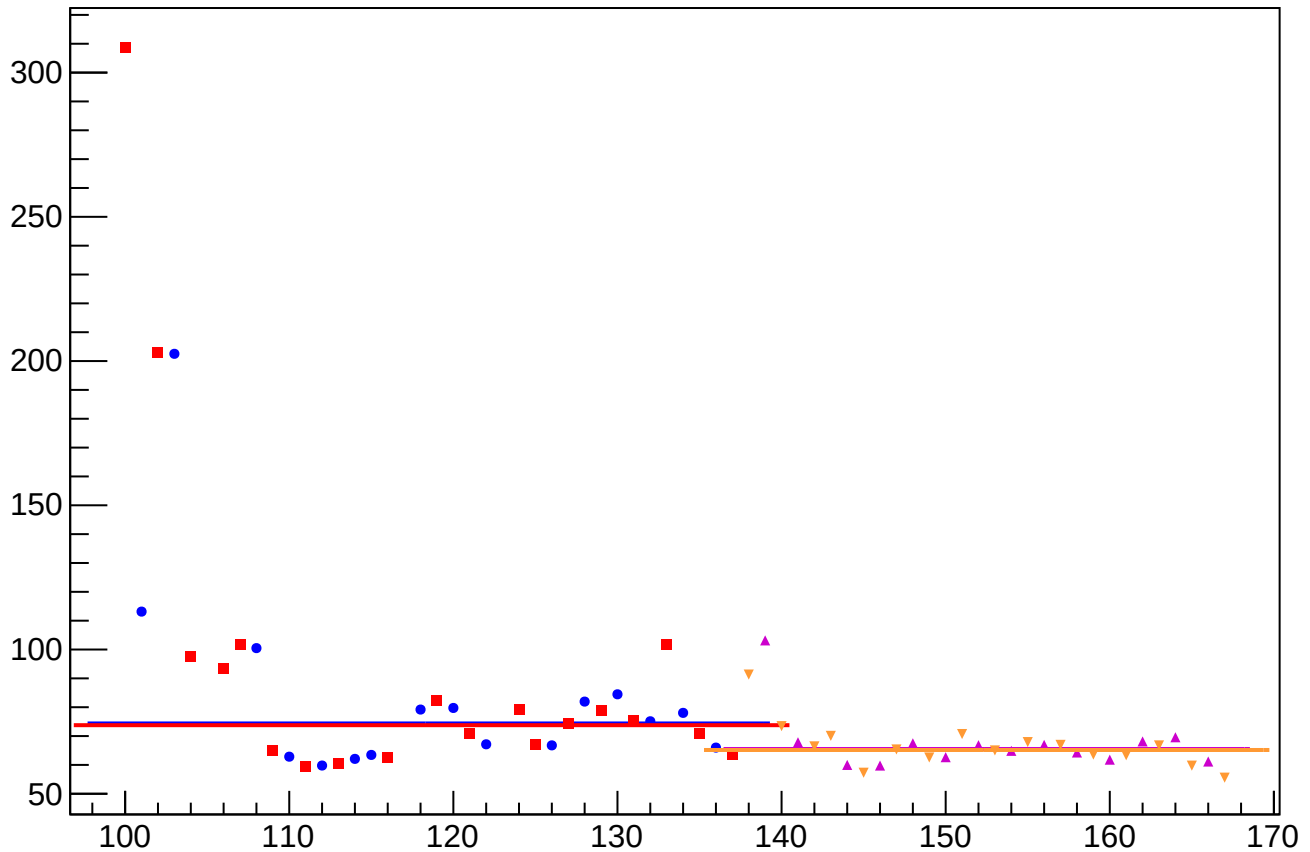
Left In: -78.573 ± 19.532 χ^2/NDF : 25.4/13

+ sign 41.541 ± 15.628 χ^2/NDF : 55.2/31

All: -10.006 ± 11.215 χ^2/NDF : 134.6/64

- sign -64.742 ± 16.104 χ^2/NDF : 56.9/32

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827585.2/15

Left Out: 65.174 $\pm$ 0.013 χ^2 /NDF: 258129.3/15

Right Out: 73.773 $\pm$ 0.020 χ^2 /NDF: 928163.8/18

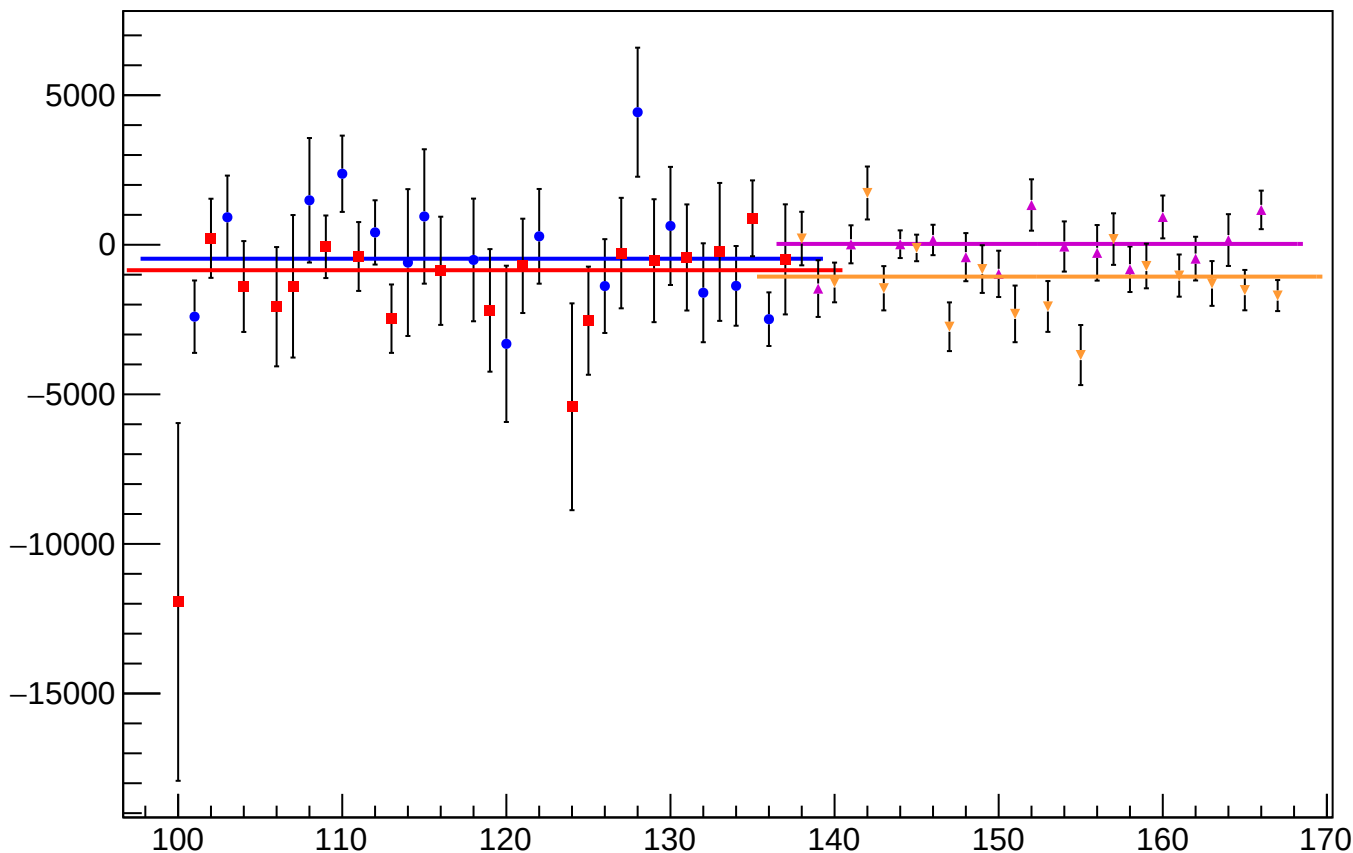
Left In: 65.518 $\pm$ 0.014 χ^2 /NDF: 282259.7/13

+ sign 67.861 $\pm$ 0.011 χ^2 /NDF: 1228884.5/31

All: 68.007 $\pm$ 0.008 χ^2 /NDF: 2554058.7/64

- sign 68.162 $\pm$ 0.011 χ^2 /NDF: 1324813.9/32

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -466.511 ± 375.033 χ^2/NDF : 23.7/15

Left Out: -1064.678 ± 179.235 χ^2/NDF : 35.7/15

Right Out: -850.757 ± 373.092 χ^2/NDF : 12.6/18

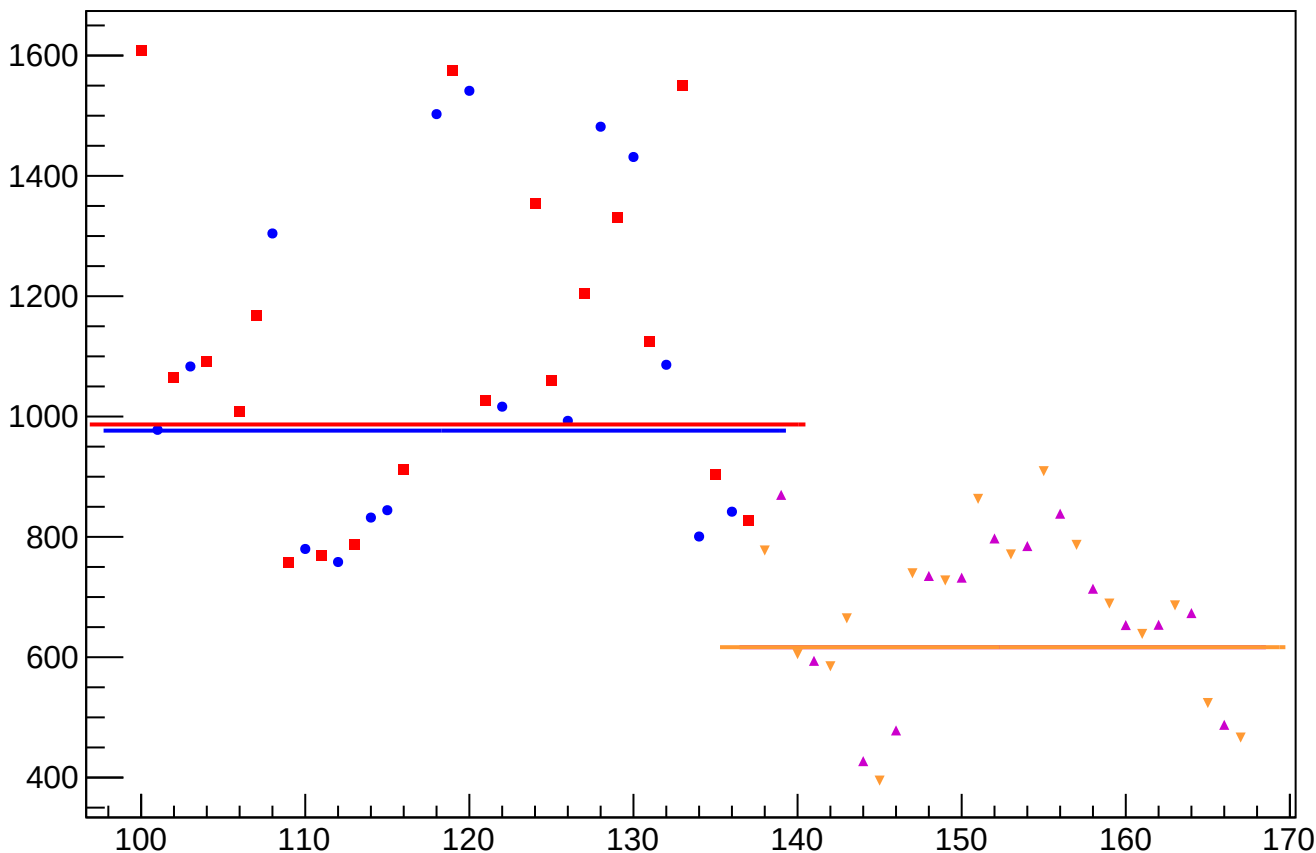
Left In: 28.403 ± 187.092 χ^2/NDF : 13.3/13

+ sign -953.457 ± 161.716 χ^2/NDF : 61.4/31

All: -564.380 ± 116.255 χ^2/NDF : 103.8/64

- sign -148.253 ± 167.243 χ^2/NDF : 30.4/32

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589 $\pm$ 0.265 χ^2 /NDF: 736628.5/15

Left Out: 616.667 $\pm$ 0.127 χ^2 /NDF: 1351939.1/15

Right Out: 986.823 $\pm$ 0.264 χ^2 /NDF: 713316.0/18

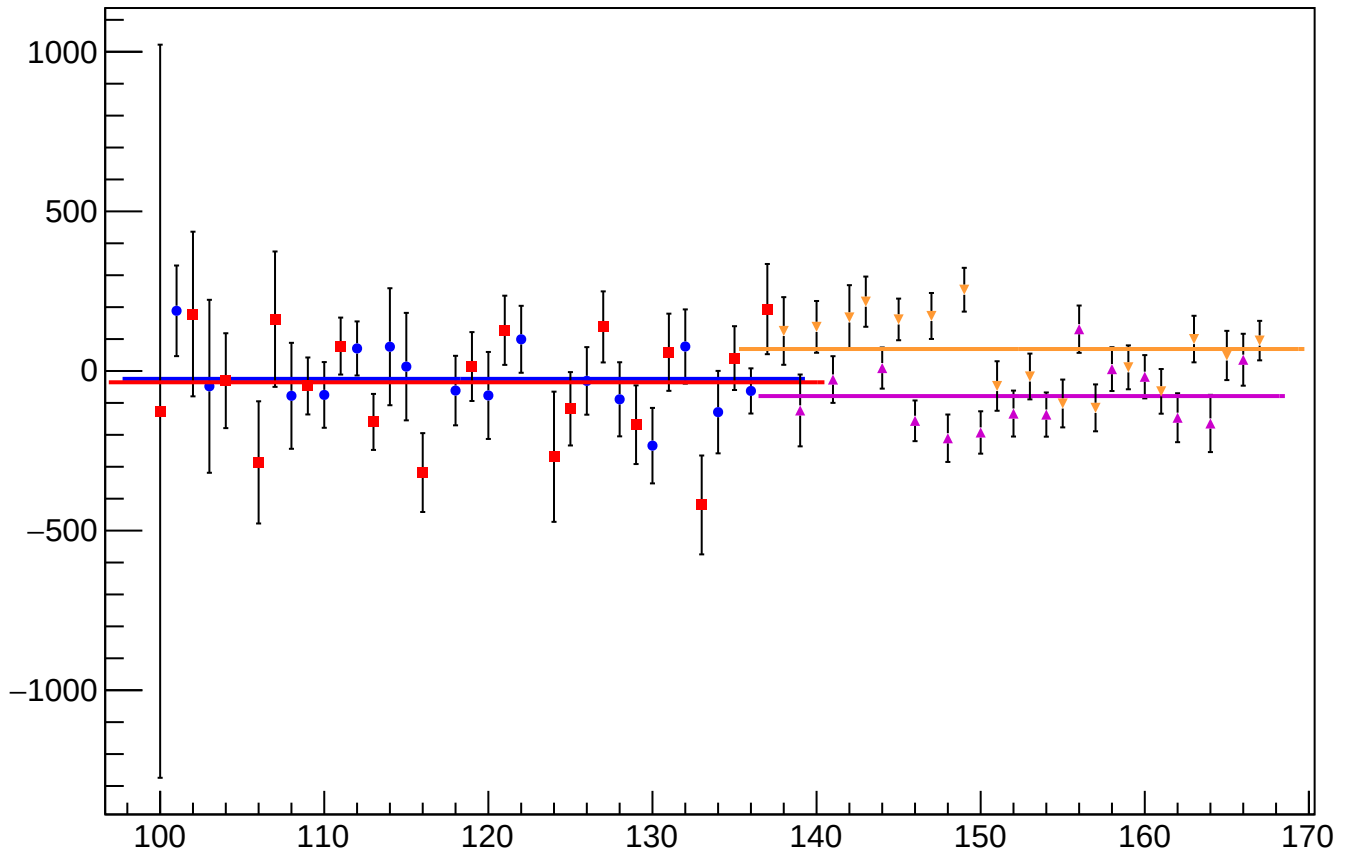
Left In: 616.586 $\pm$ 0.132 χ^2 /NDF: 1130767.4/13

+ sign 683.590 $\pm$ 0.114 χ^2 /NDF: 3588130.2/31

All: 687.161 $\pm$ 0.082 χ^2 /NDF: 7007991.6/64

- sign 690.981 $\pm$ 0.118 χ^2 /NDF: 3417842.8/32

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 68.857 ± 18.575 χ^2/NDF : 36.8/15

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

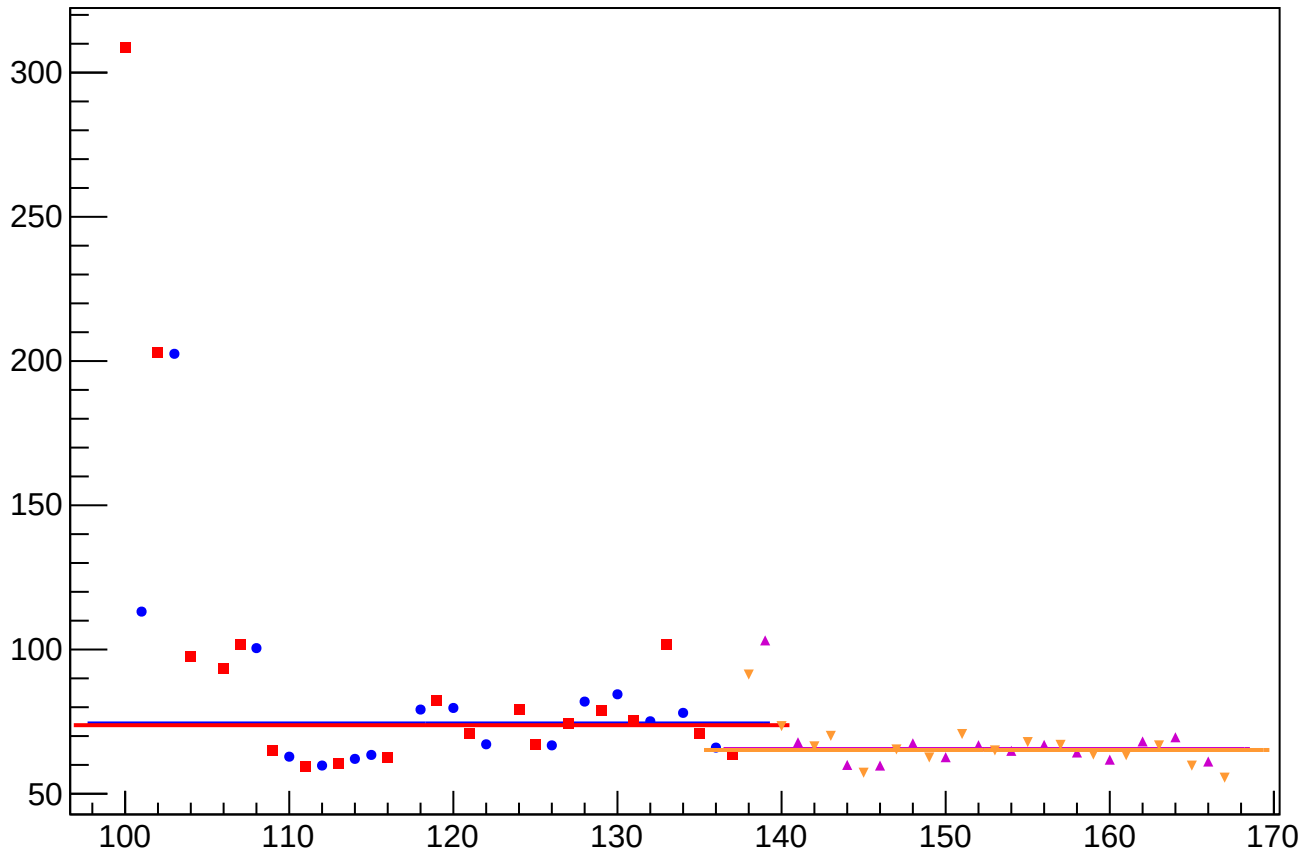
Left In: -78.573 ± 19.532 χ^2/NDF : 25.4/13

+ sign 41.541 ± 15.628 χ^2/NDF : 55.2/31

All: -10.006 ± 11.215 χ^2/NDF : 134.6/64

- sign -64.742 ± 16.104 χ^2/NDF : 56.9/32

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827585.2/15

Left Out: 65.174 $\pm$ 0.013 χ^2 /NDF: 258129.3/15

Right Out: 73.773 $\pm$ 0.020 χ^2 /NDF: 928163.8/18

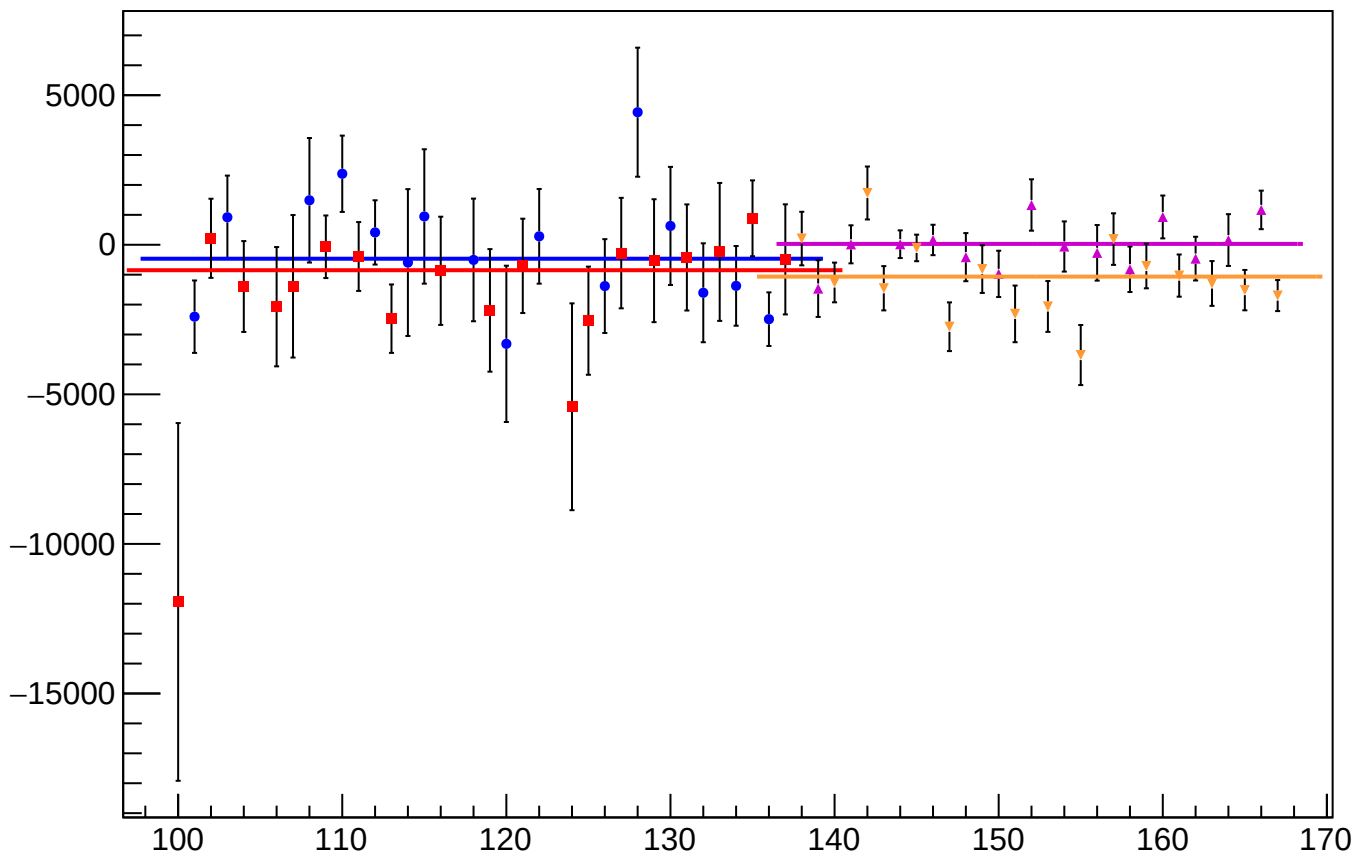
Left In: 65.518 $\pm$ 0.014 χ^2 /NDF: 282259.7/13

+ sign 67.861 $\pm$ 0.011 χ^2 /NDF: 1228884.5/31

All: 68.007 $\pm$ 0.008 χ^2 /NDF: 2554058.7/64

- sign 68.162 $\pm$ 0.011 χ^2 /NDF: 1324813.9/32

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -466.511 $\pm$ 375.033 χ^2 /NDF: 23.7/15

Left Out: -1064.678 $\pm$ 179.235 χ^2 /NDF: 35.7/15

Right Out: -850.757 $\pm$ 373.092 χ^2 /NDF: 12.6/18

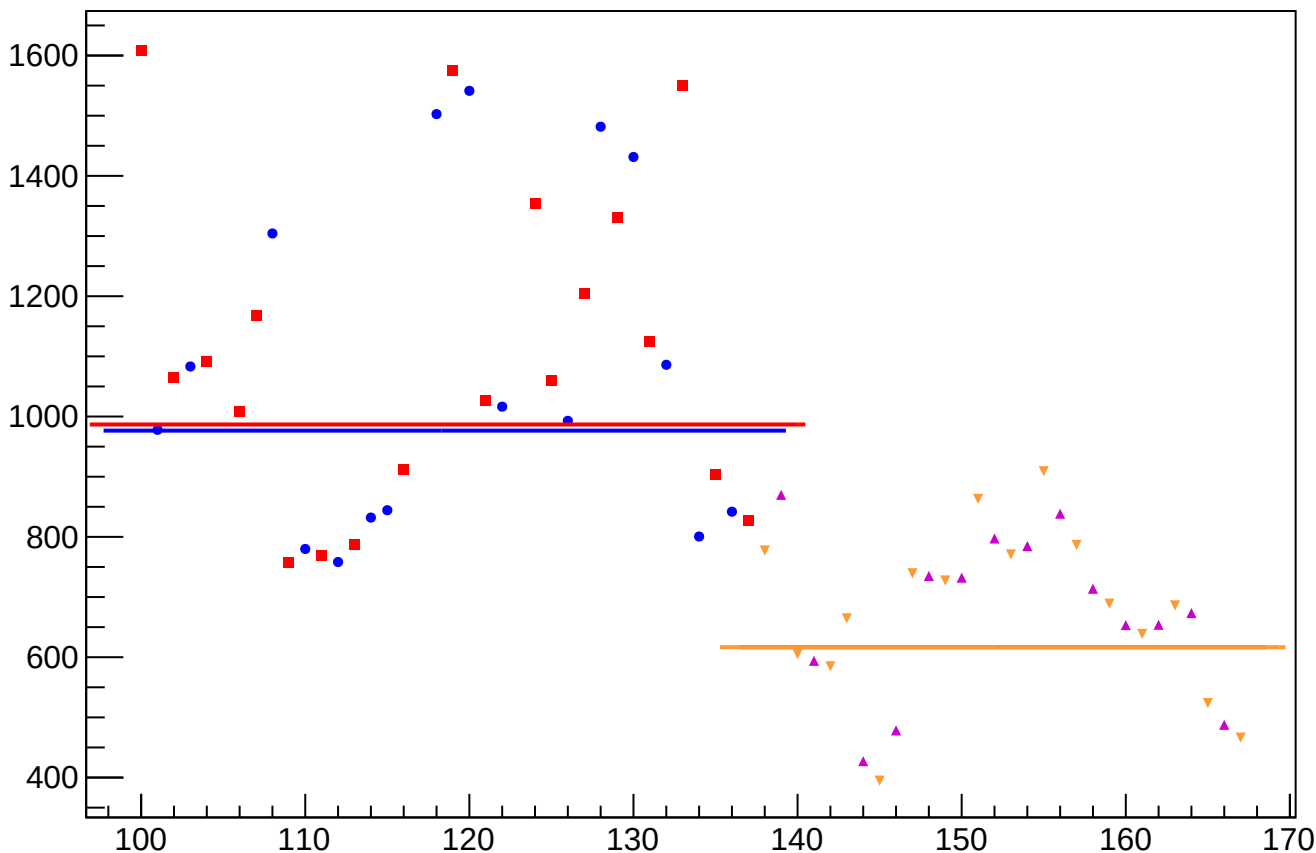
Left In: 28.403 $\pm$ 187.092 χ^2 /NDF: 13.3/13

+ sign -953.457 $\pm$ 161.716 χ^2 /NDF: 61.4/31

All: -564.380 $\pm$ 116.255 χ^2 /NDF: 103.8/64

- sign -148.253 $\pm$ 167.243 χ^2 /NDF: 30.4/32

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589 $\pm$ 0.265 χ^2 /NDF: 736628.5/15

Left Out: 616.667 $\pm$ 0.127 χ^2 /NDF: 1351939.1/15

Right Out: 986.823 $\pm$ 0.264 χ^2 /NDF: 713316.0/18

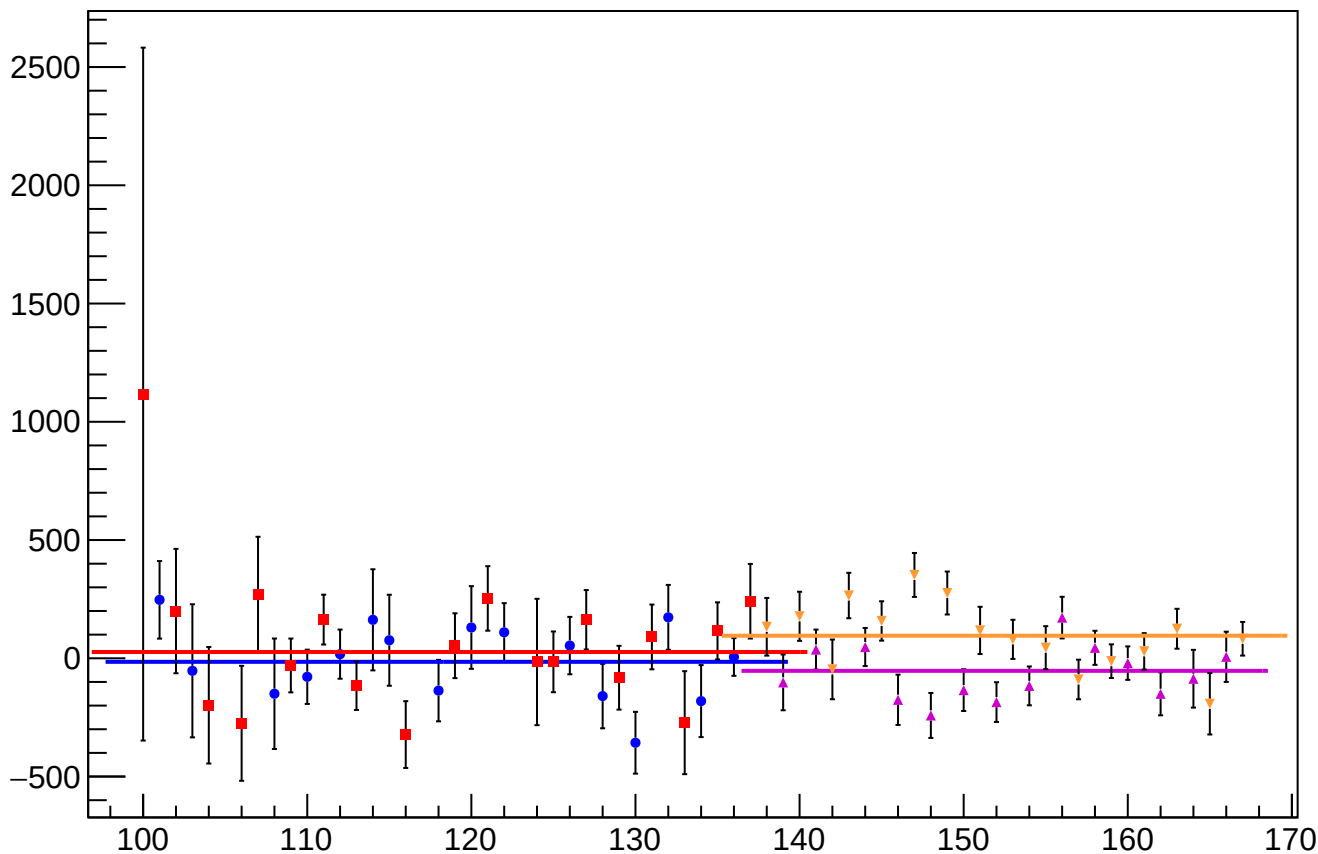
Left In: 616.586 $\pm$ 0.132 χ^2 /NDF: 1130767.4/13

+ sign 683.590 $\pm$ 0.114 χ^2 /NDF: 3588130.2/31

All: 687.161 $\pm$ 0.082 χ^2 /NDF: 7007991.6/64

- sign 690.981 $\pm$ 0.118 χ^2 /NDF: 3417842.8/32

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 95.427 ± 22.433 χ^2/NDF : 30.7/15

Right Out: 26.654 ± 34.073 χ^2/NDF : 23.6/18

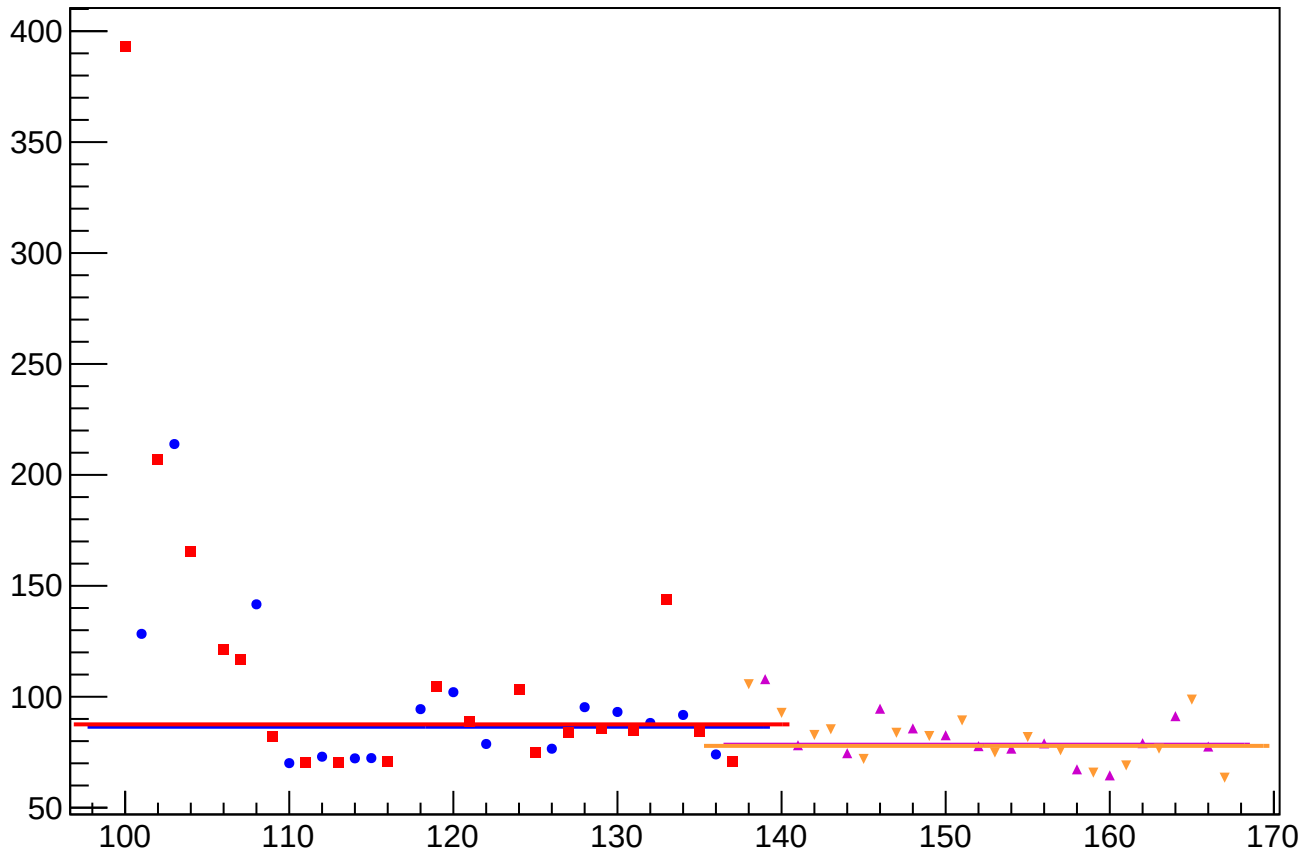
Left In: -53.073 ± 23.690 χ^2/NDF : 22.2/13

+ sign 61.620 ± 18.684 χ^2/NDF : 56.3/31

All: 19.047 ± 13.475 χ^2/NDF : 116.6/64

- sign -27.092 ± 19.451 χ^2/NDF : 49.5/32

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF : 856257.9/15

Left Out: 77.863+/-0.016 χ^2/NDF : 433916.5/15

Right Out: 87.555+/-0.024 χ^2/NDF : 1129794.0/18

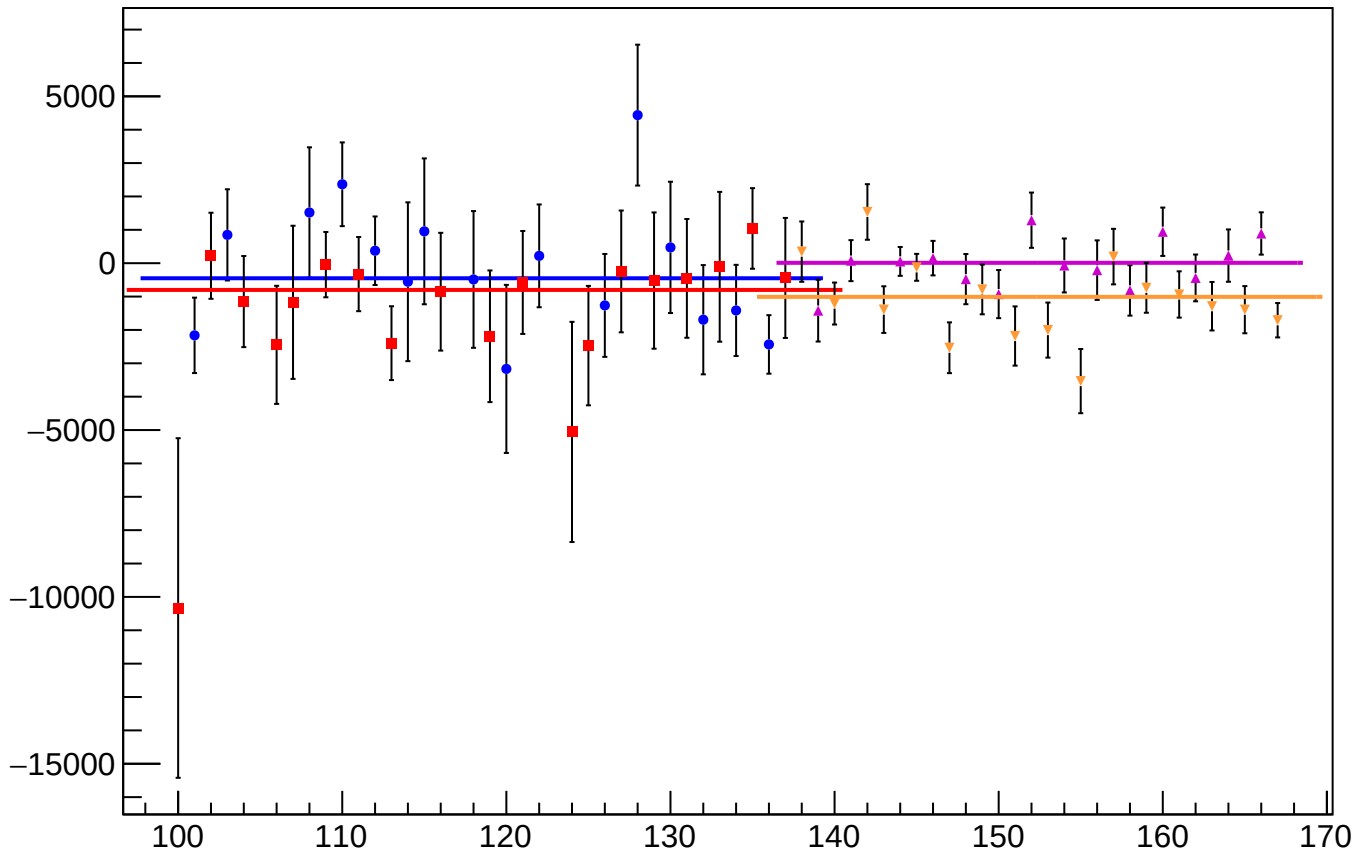
Left In: 78.388+/-0.017 χ^2/NDF : 340713.4/13

+ sign 80.505+/-0.013 χ^2/NDF : 1380738.0/31

All: 80.923+/-0.010 χ^2/NDF : 2950906.1/64

- sign 81.375+/-0.014 χ^2/NDF : 1568087.7/32

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380±/365.605 χ^2/NDF : 23.7/15

Left Out: -1008.705±/172.206 χ^2/NDF : 35.5/15

Right Out: -801.206±/357.866 χ^2/NDF : 13.6/18

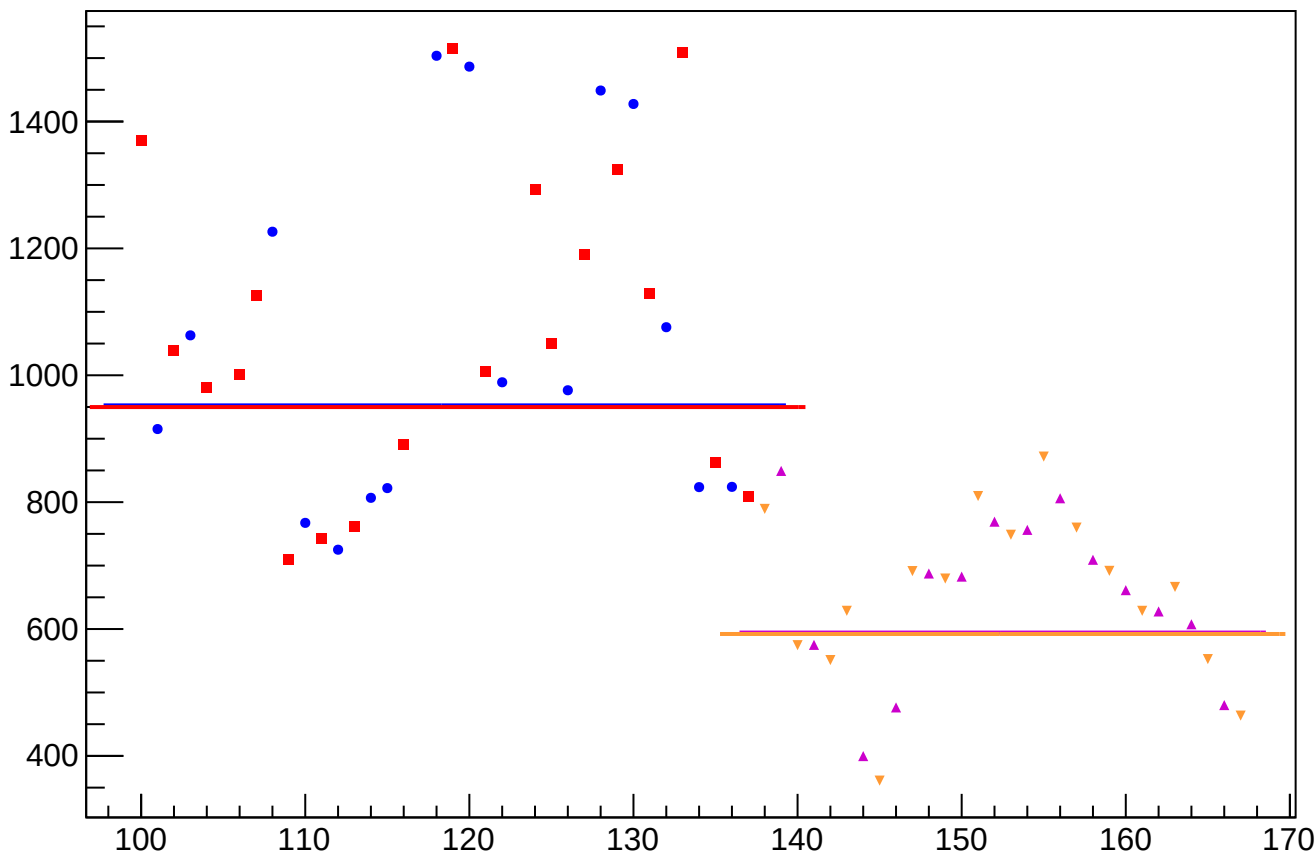
Left In: 11.216±/180.636 χ^2/NDF : 12.3/13

+ sign -907.509±/155.790 χ^2/NDF : 61.1/31

All: -543.623±/112.043 χ^2/NDF : 102.5/64

- sign -153.746±/161.258 χ^2/NDF : 30.0/32

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551 $\pm$ 0.259 χ^2 /NDF: 746346.9/15

Left Out: 592.192 $\pm$ 0.122 χ^2 /NDF: 1460812.2/15

Right Out: 949.891 $\pm$ 0.253 χ^2 /NDF: 751675.2/18

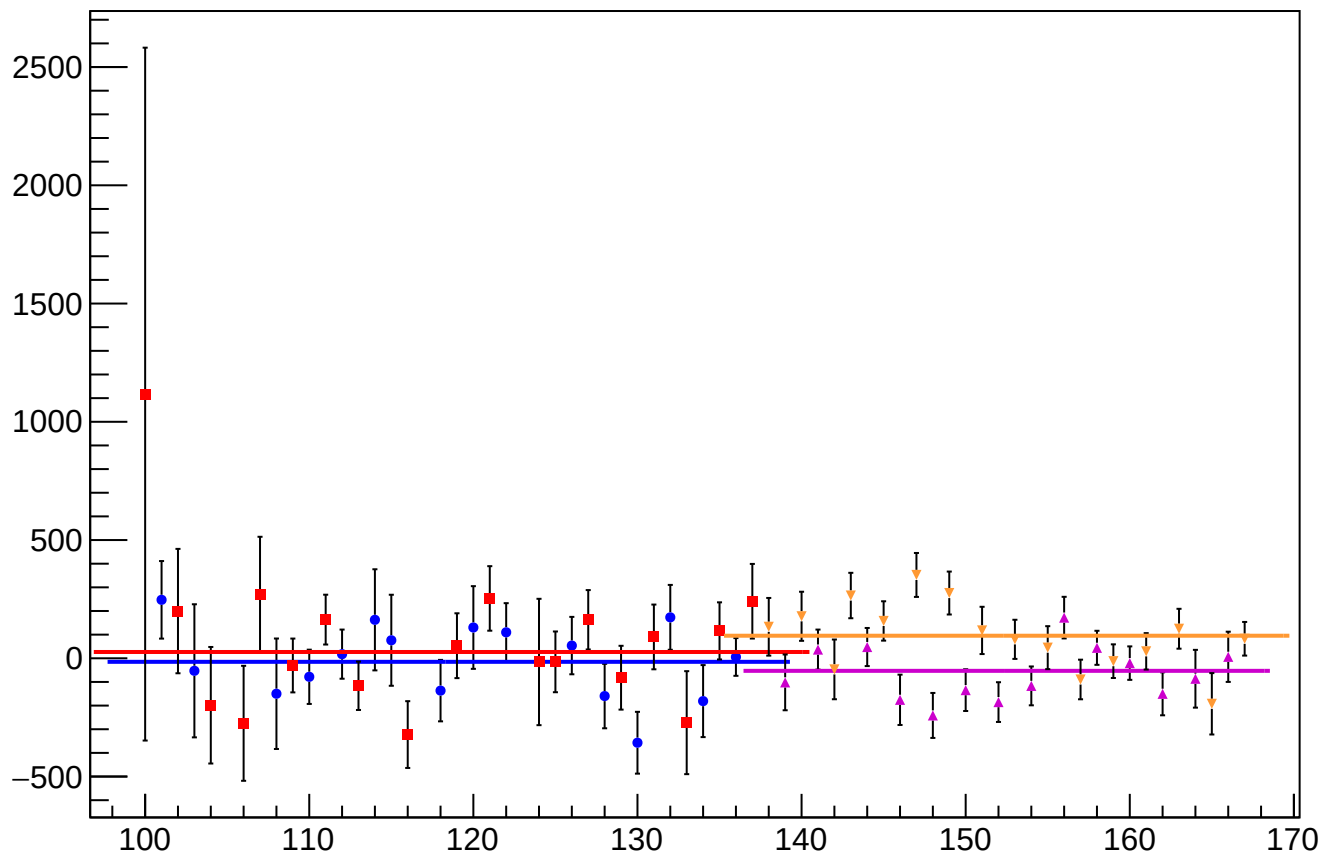
Left In: 594.430 $\pm$ 0.128 χ^2 /NDF: 1138434.8/13

+ sign 657.624 $\pm$ 0.110 χ^2 /NDF: 3797369.0/31

All: 661.960 $\pm$ 0.079 χ^2 /NDF: 7263243.4/64

- sign 666.606 $\pm$ 0.114 χ^2 /NDF: 3462664.8/32

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 95.429 ± 22.433 χ^2/NDF : 30.7/15

Right Out: 26.658 ± 34.073 χ^2/NDF : 23.6/18

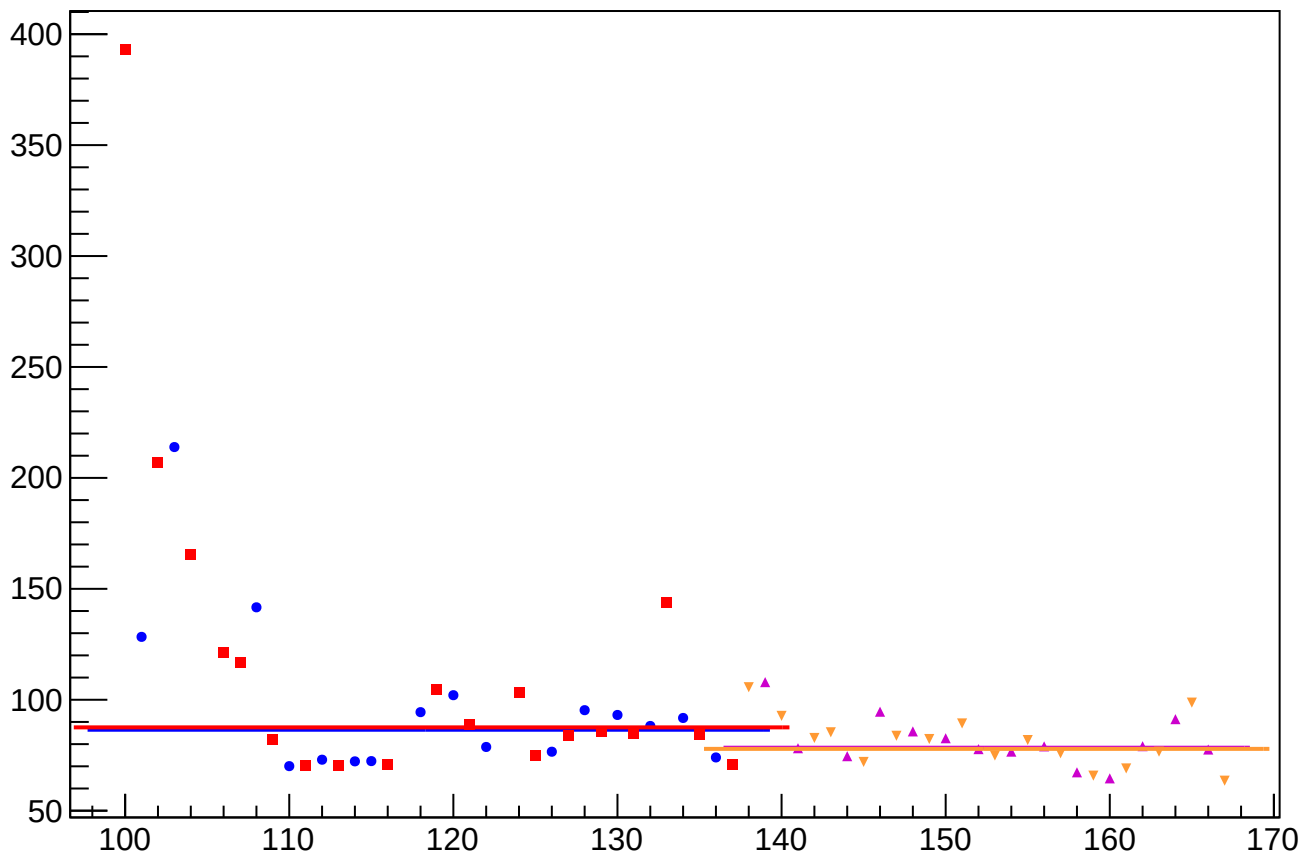
Left In: -53.072 ± 23.690 χ^2/NDF : 22.2/13

+ sign 61.620 ± 18.684 χ^2/NDF : 56.3/31

All: 19.048 ± 13.475 χ^2/NDF : 116.6/64

- sign -27.090 ± 19.451 χ^2/NDF : 49.5/32

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF : 856249.6/15

Left Out: 77.864+/-0.016 χ^2/NDF : 433921.4/15

Right Out: 87.555+/-0.024 χ^2/NDF : 1129791.7/18

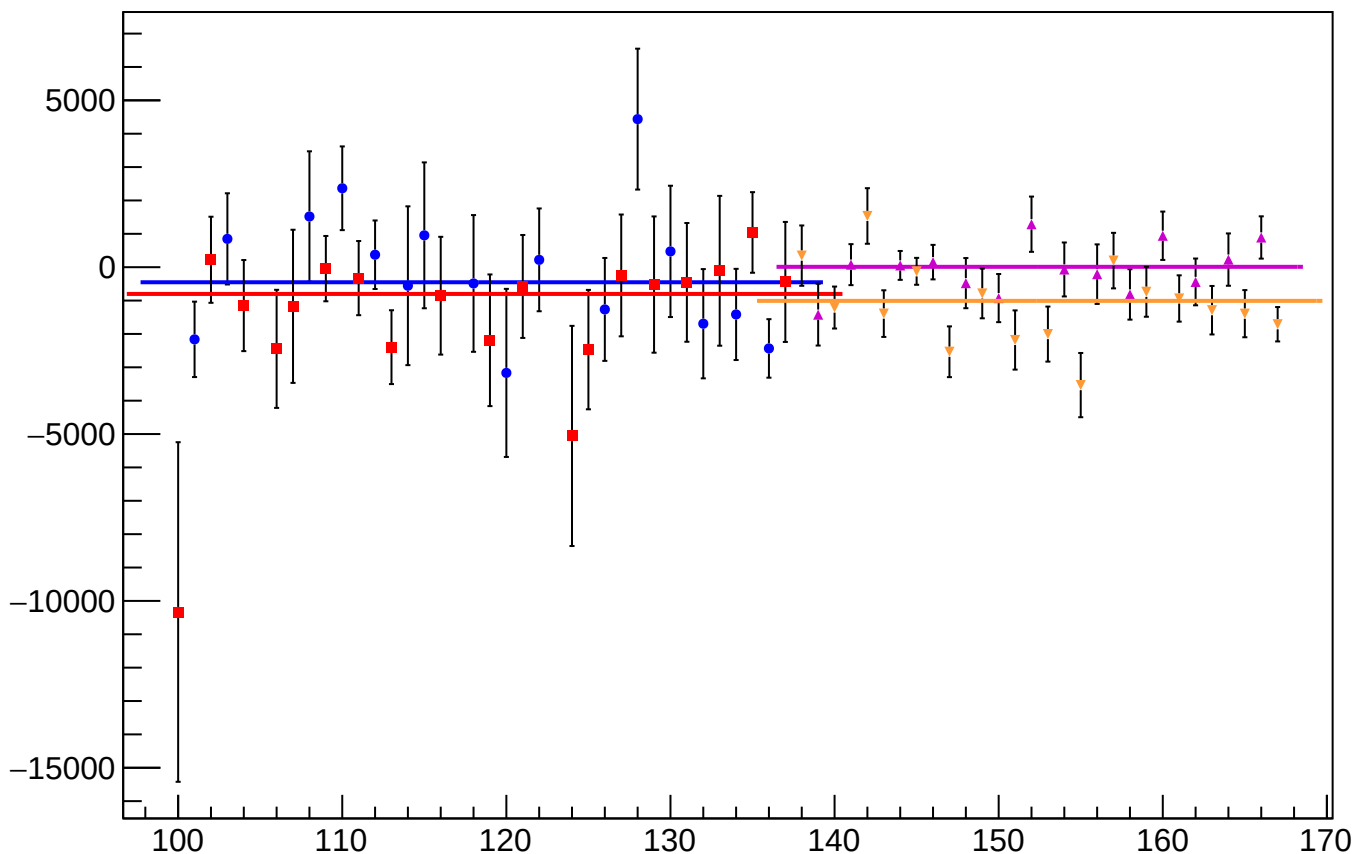
Left In: 78.388+/-0.017 χ^2/NDF : 340719.2/13

+ sign 80.506+/-0.013 χ^2/NDF : 1380735.4/31

All: 80.923+/-0.010 χ^2/NDF : 2950910.5/64

- sign 81.376+/-0.014 χ^2/NDF : 1568094.8/32

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -451.378 $\pm$ 365.605 χ^2 /NDF: 23.7/15

Left Out: -1008.705 $\pm$ 172.206 χ^2 /NDF:35.5/15

Right Out: -801.205 $\pm$ 357.865 χ^2 /NDF: 13.6/18

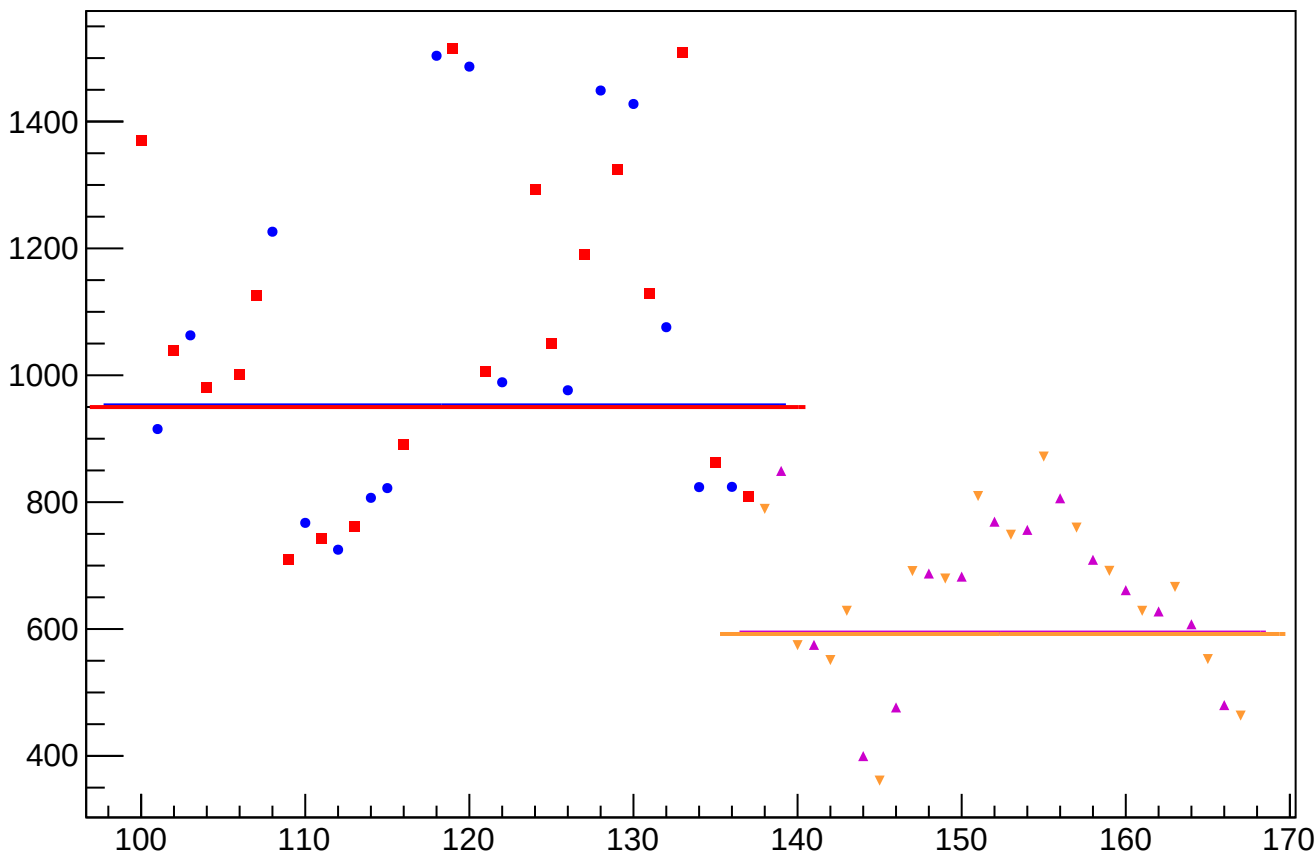
Left In: 11.217 $\pm$ 180.636 χ^2 /NDF:12.3/13

+ sign -907.508 $\pm$ 155.790 χ^2 /NDF: 61.1/31

All: -543.623 $\pm$ 112.043 χ^2 /NDF: 102.5/64

- sign -153.745 $\pm$ 161.258 χ^2 /NDF: 30.0/32

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: 592.192 $\pm$ 0.122 χ^2 /NDF:1460811.2/15

Right Out: 949.890 $\pm$ 0.253 χ^2 /NDF: 751674.5/18

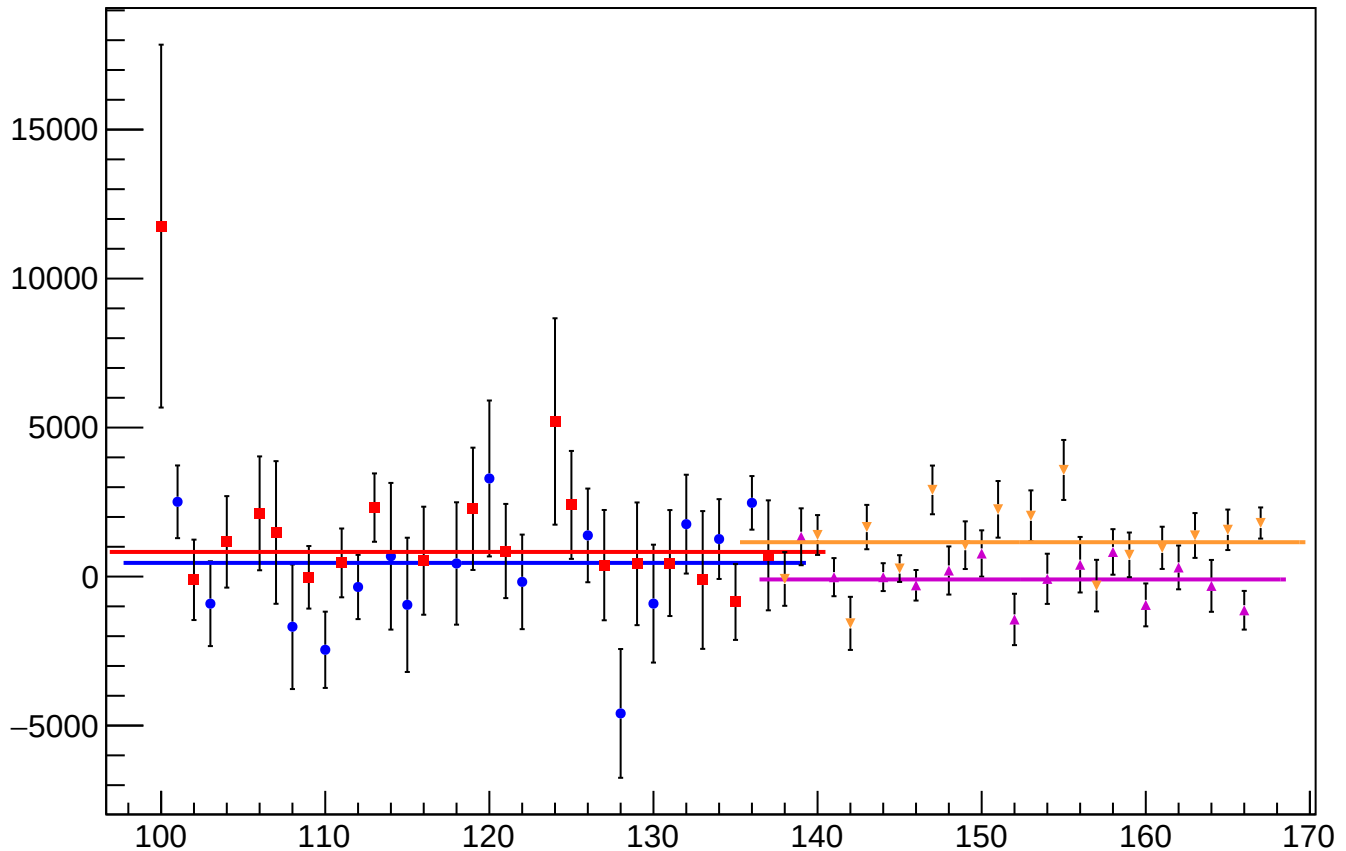
Left In: 594.430 $\pm$ 0.128 χ^2 /NDF:1138433.5/13

+ sign 657.623 $\pm$ 0.110 χ^2 /NDF: 3797365.6/31

All: 661.959 $\pm$ 0.079 χ^2 /NDF: 7263232.5/64

- sign 666.605 $\pm$ 0.114 χ^2 /NDF: 3462657.2/32

asym_sam_37_avg_mean vs Slug



Right In: 459.137 ± 376.873 $\chi^2/\text{NDF}: 24.6/15$

Left Out: 1153.472 ± 180.378 $\chi^2/\text{NDF}: 33.8/15$

Right Out: 826.531 ± 374.244 $\chi^2/\text{NDF}: 11.7/18$

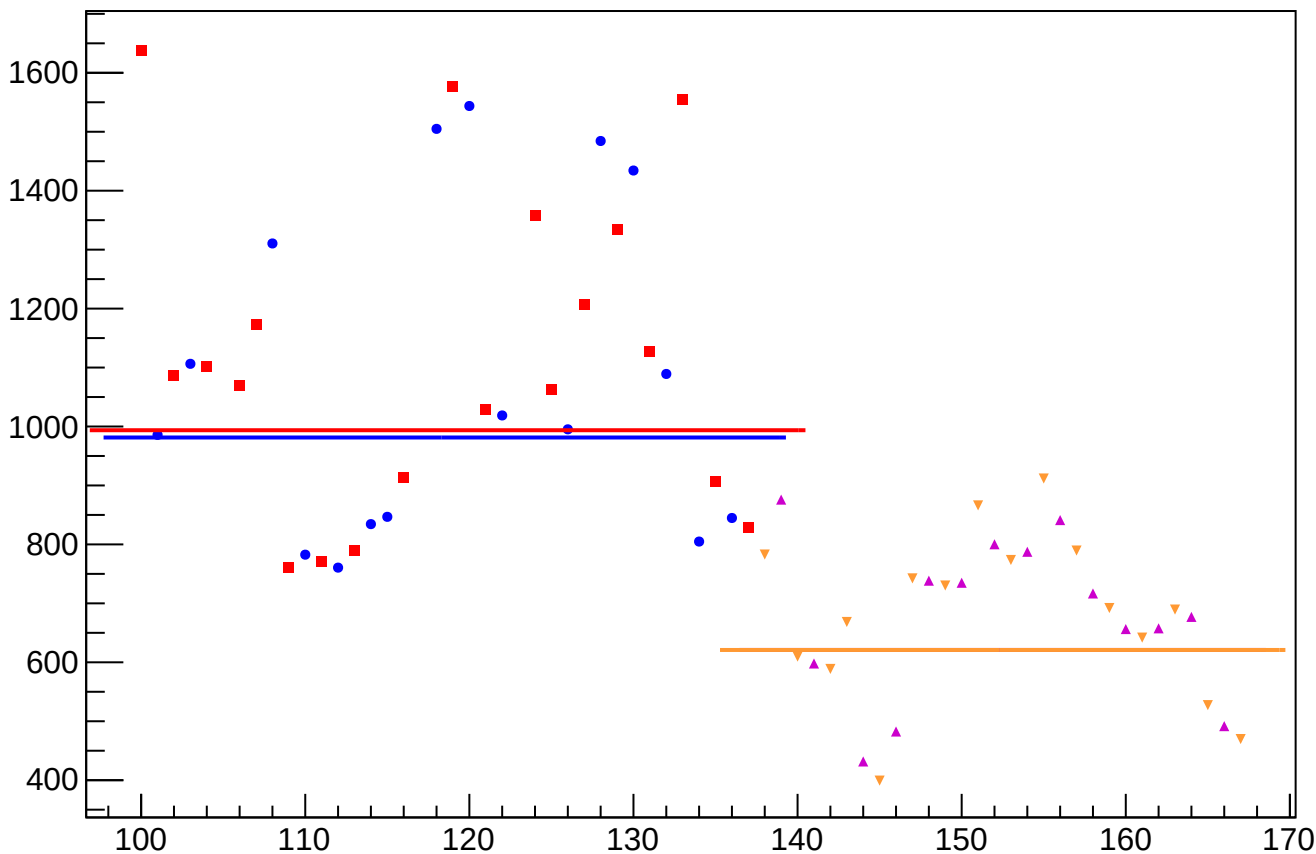
Left In: -96.231 ± 188.318 $\chi^2/\text{NDF}: 12.3/13$

+ sign 1024.061 ± 162.703 $\chi^2/\text{NDF}: 61.1/31$

All: 572.704 ± 116.951 $\chi^2/\text{NDF}: 105.8/64$

- sign 90.210 ± 168.221 $\chi^2/\text{NDF}: 28.8/32$

asym_sam_37_avg_rms vs Slug



Right In: 981.349 $\pm$ 0.266 χ^2 /NDF: 737627.4/15

Left Out: 620.917 $\pm$ 0.128 χ^2 /NDF:1326770.5/15

Right Out: 993.684 $\pm$ 0.265 χ^2 /NDF: 719799.0/18

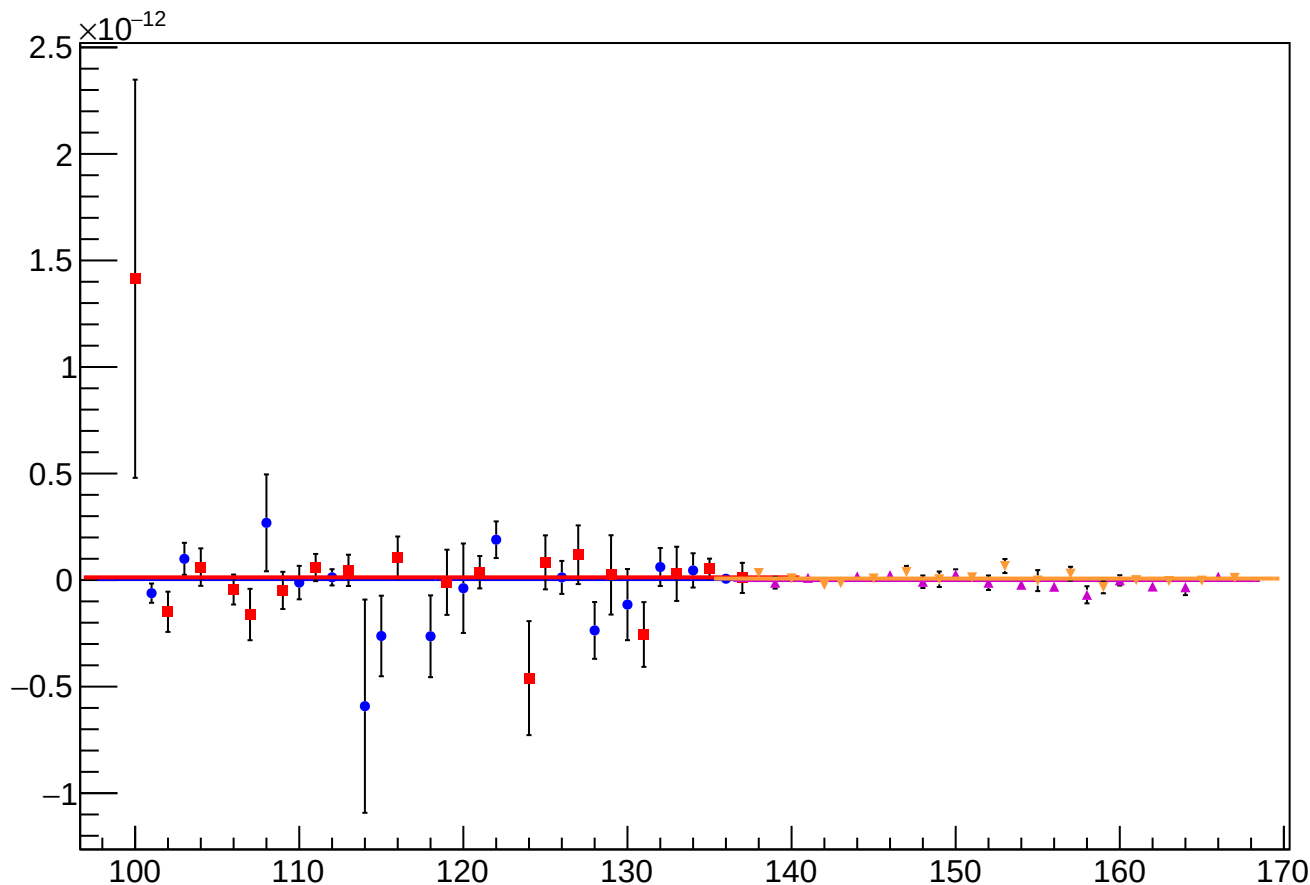
Left In: 620.954 $\pm$ 0.133 χ^2 /NDF:1108709.3/13

+ sign 688.095 $\pm$ 0.115 χ^2 /NDF: 3552754.0/31

All: 692.043 $\pm$ 0.083 χ^2 /NDF: 6966725.3/64

- sign 696.263 $\pm$ 0.119 χ^2 /NDF: 3411535.1/32

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:12.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

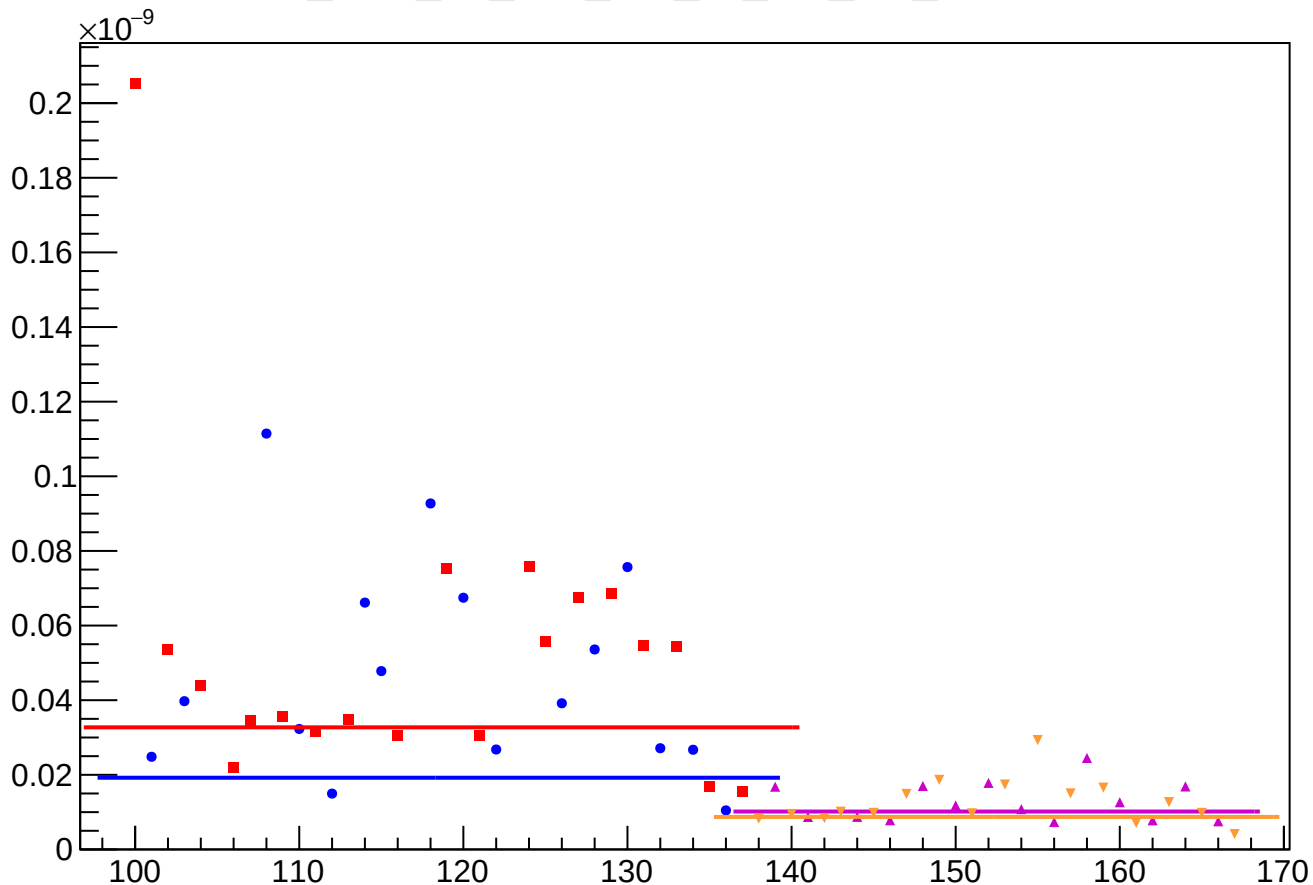
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 68.3/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/32

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 : 1608143.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1181327.3/18

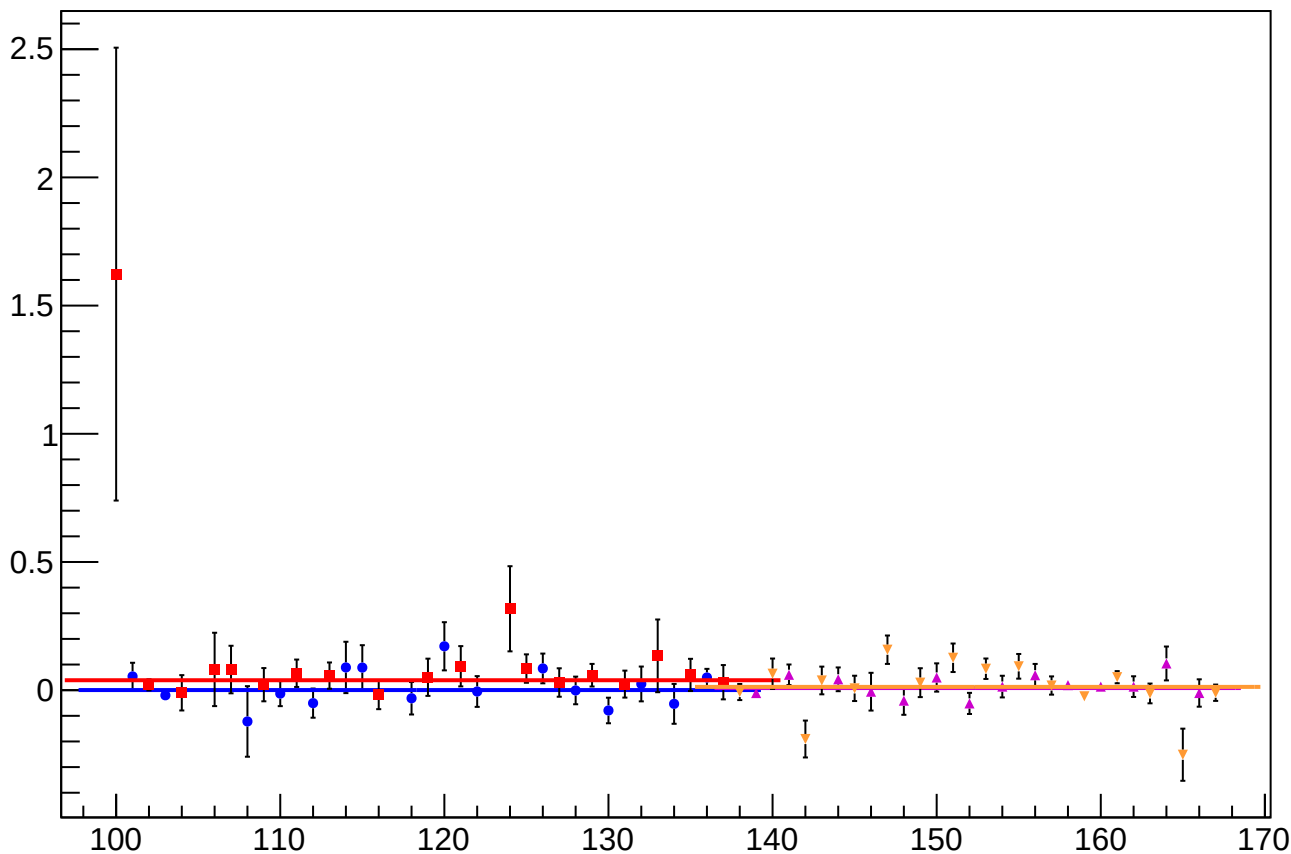
Left In: 0.000+/-0.000 χ^2/NDF : 881716.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 4540896.4/31

All: 0.000+/-0.000 χ^2/NDF : 8961857.6/64

- sign 0.000+/-0.000 χ^2/NDF : 4266833.1/32

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.013 $\pm$ 0.009 χ^2 /NDF:41.7/15

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

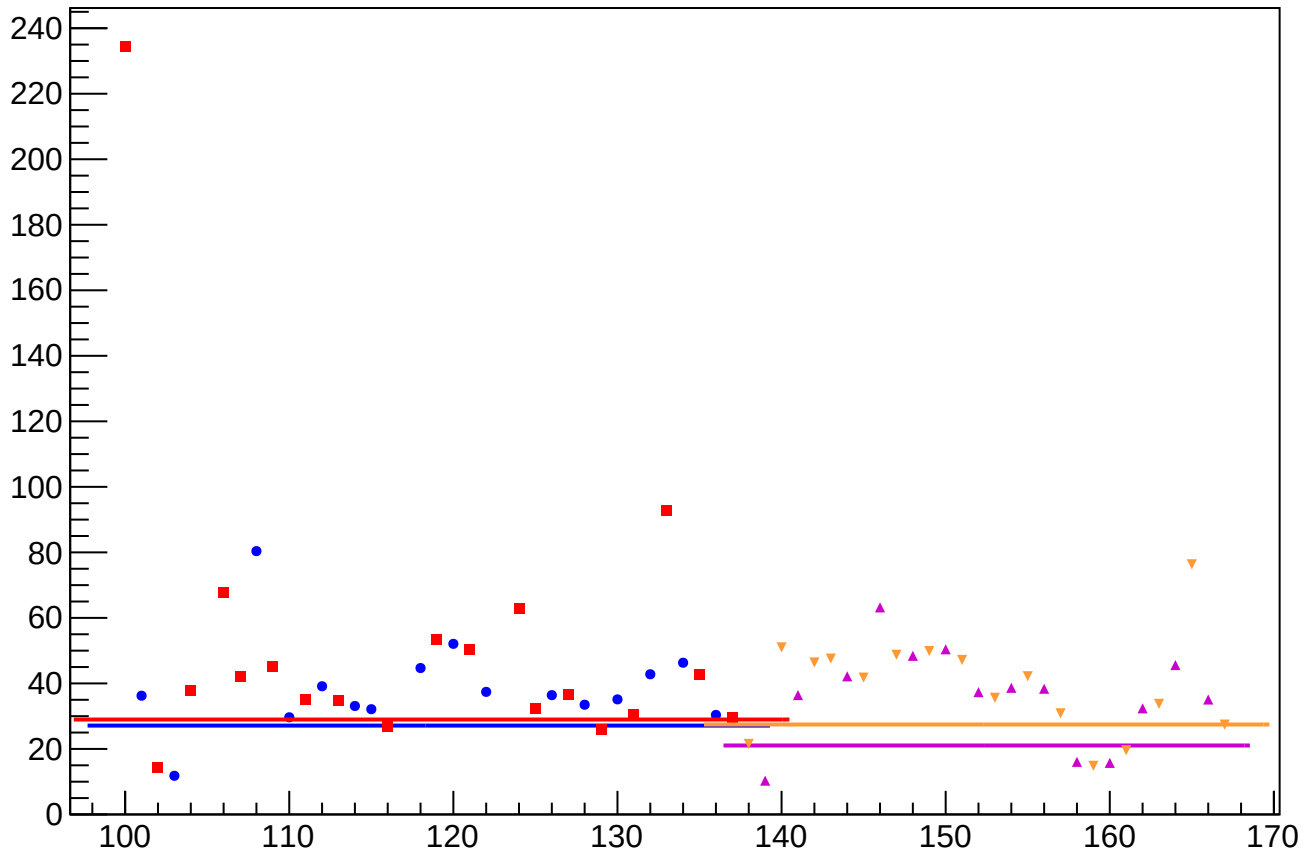
Left In: 0.008 $\pm$ 0.008 χ^2 /NDF:11.9/13

+ sign 0.008 $\pm$ 0.007 χ^2 /NDF: 58.8/31

All: 0.013 $\pm$ 0.005 χ^2 /NDF: 86.7/64

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 27.2/32

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF : 2415316.1/15

Left Out: 27.458+/-0.006 χ^2/NDF : 4037922.1/15

Right Out: 28.979+/-0.009 χ^2/NDF : 2456254.0/18

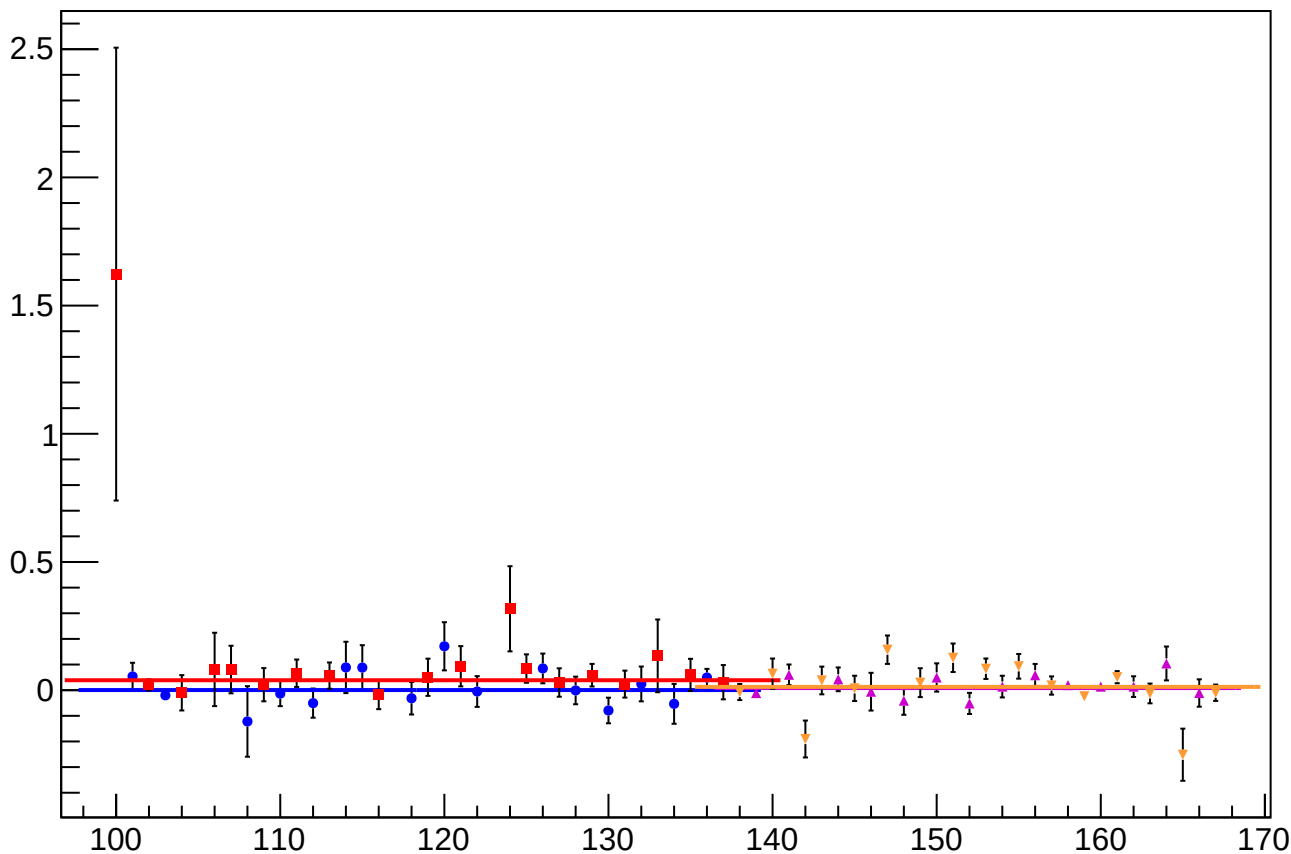
Left In: 21.052+/-0.005 χ^2/NDF : 5576777.4/13

+ sign 27.339+/-0.005 χ^2/NDF : 6454201.1/31

All: 25.102+/-0.003 χ^2/NDF : 15412289.0/64

- sign 23.223+/-0.005 χ^2/NDF : 8604456.2/32

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.013 $\pm$ 0.009 χ^2 /NDF:41.7/15

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

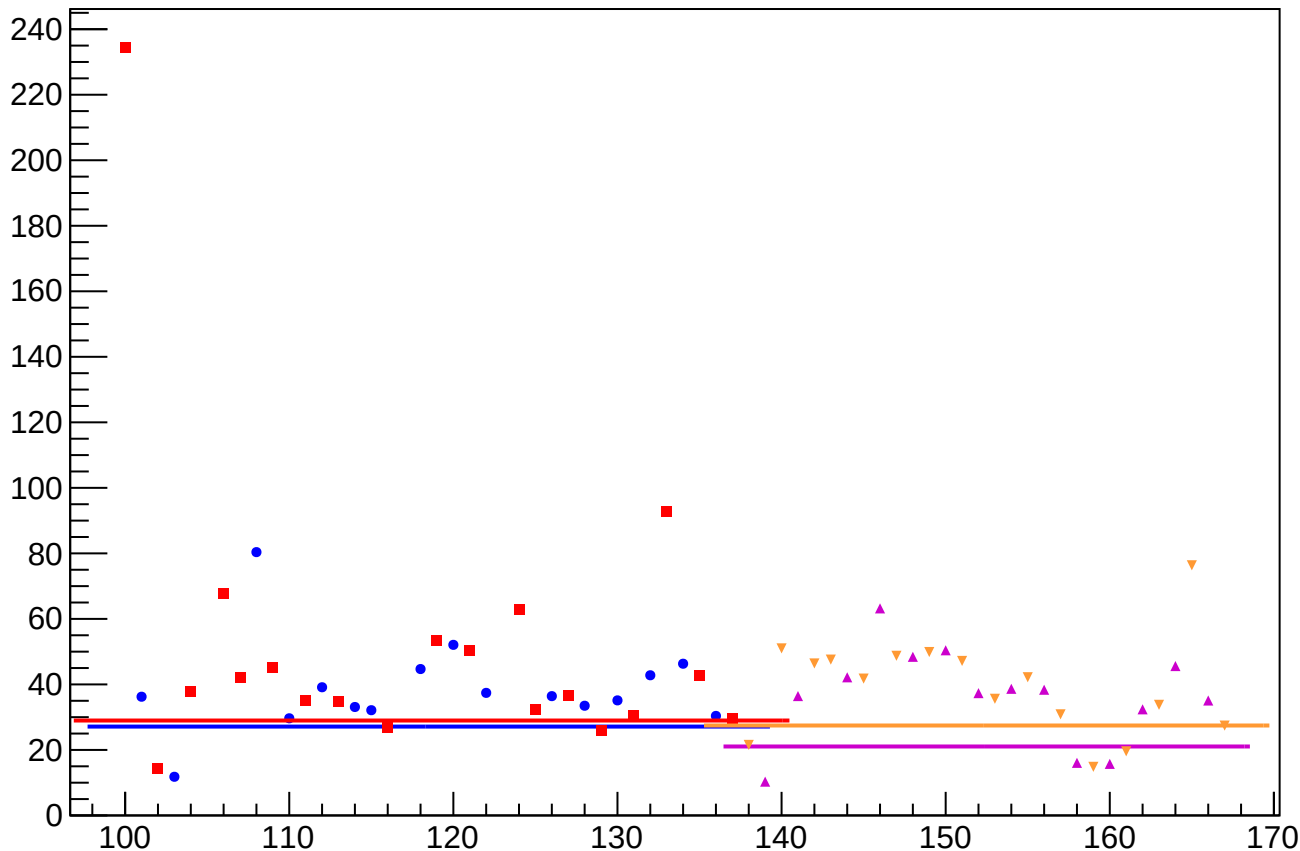
Left In: 0.008 $\pm$ 0.008 χ^2 /NDF:11.9/13

+ sign 0.008 $\pm$ 0.007 χ^2 /NDF: 58.8/31

All: 0.013 $\pm$ 0.005 χ^2 /NDF: 86.7/64

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 27.2/32

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128 $\pm$ 0.009 χ^2/NDF : 2415316.1/15

Left Out: 27.458 $\pm$ 0.006 χ^2/NDF : 4037922.1/15

Right Out: 28.979 $\pm$ 0.009 χ^2/NDF : 2456254.0/18

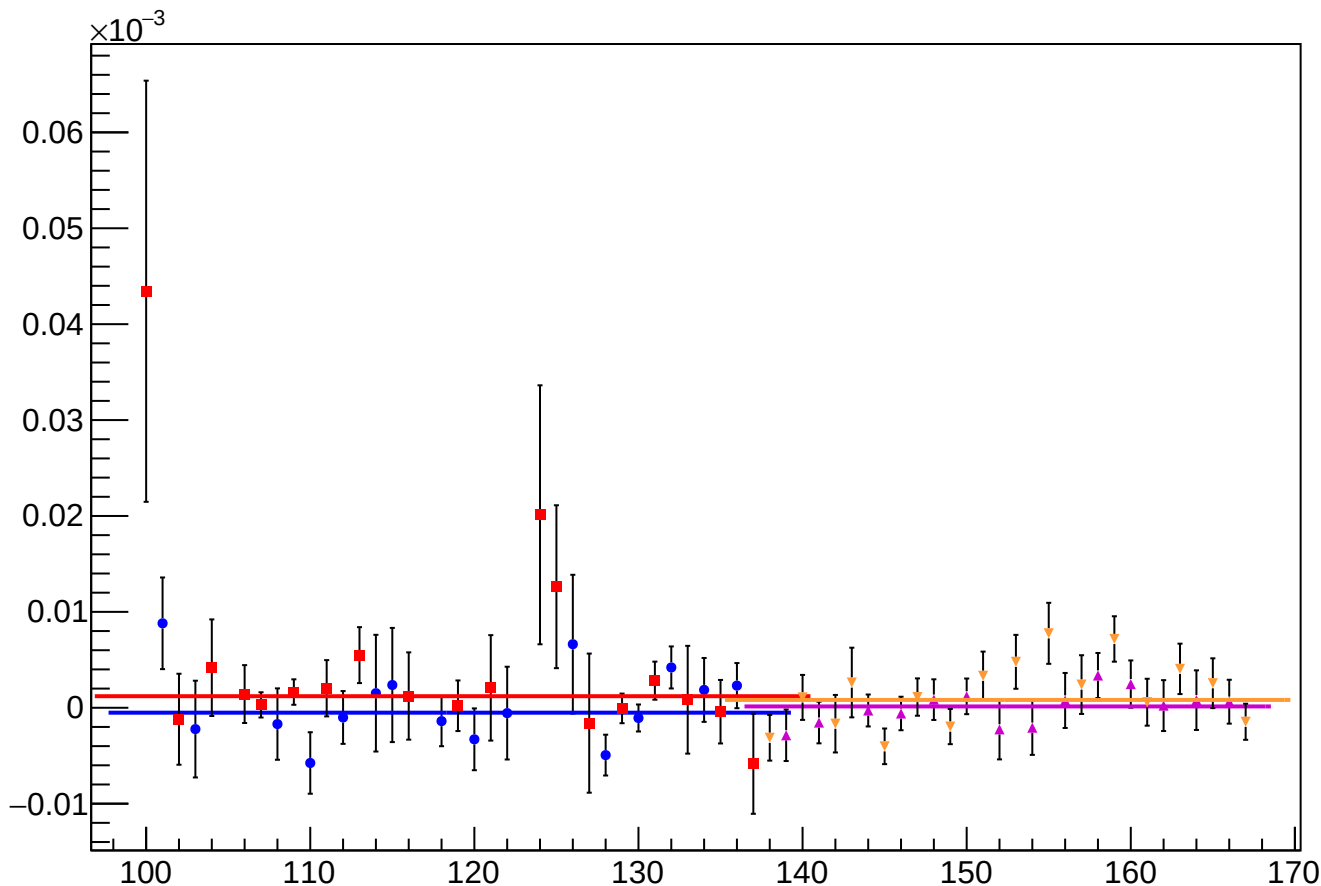
Left In: 21.052 $\pm$ 0.005 χ^2/NDF : 5576777.4/13

+ sign 27.339 $\pm$ 0.005 χ^2/NDF : 6454201.1/31

All: 25.102 $\pm$ 0.003 χ^2/NDF : 15412289.0/64

- sign 23.223 $\pm$ 0.005 χ^2/NDF : 8604456.2/32

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 : 31.5/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.6/18

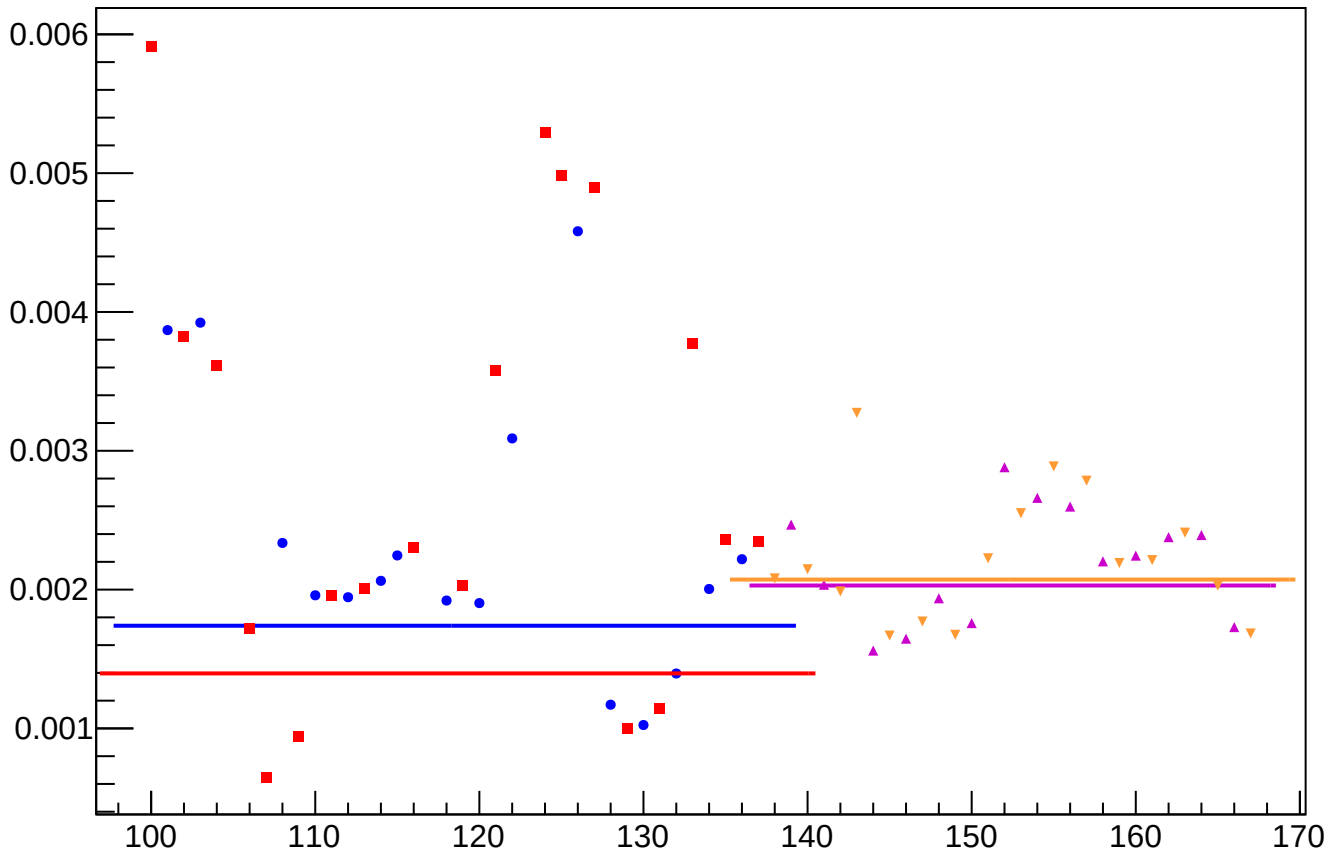
Left In: 0.000 ± 0.000 χ^2/NDF : 6.6/13

+ sign 0.000 ± 0.000 χ^2/NDF : 53.5/31

All: 0.000 ± 0.000 χ^2/NDF : 76.6/64

- sign 0.000 ± 0.000 χ^2/NDF : 22.8/32

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: 894372.6/15

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4323193.2/18

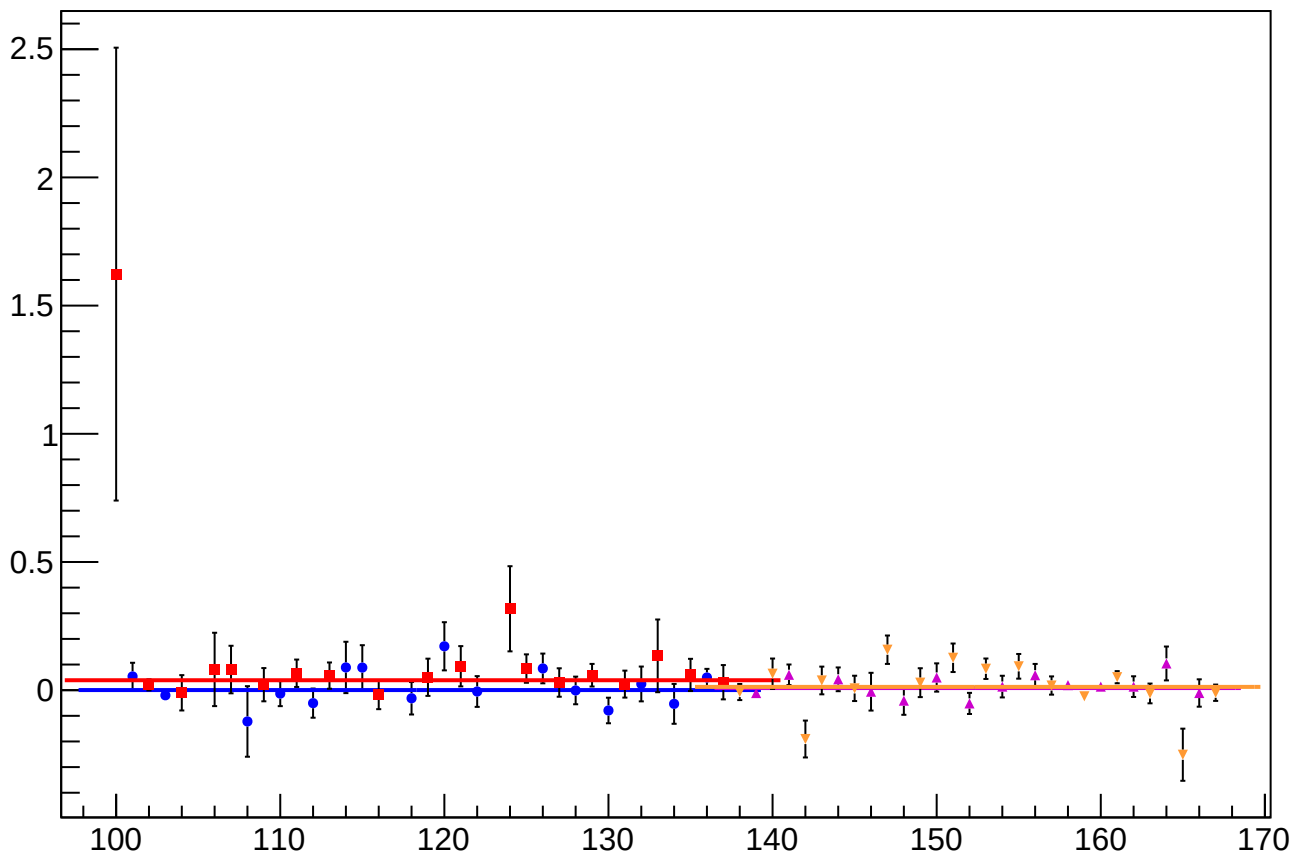
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 801766.9/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3295492.3/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9742963.0/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6198029.8/32

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.013 $\pm$ 0.009 χ^2 /NDF:41.7/15

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

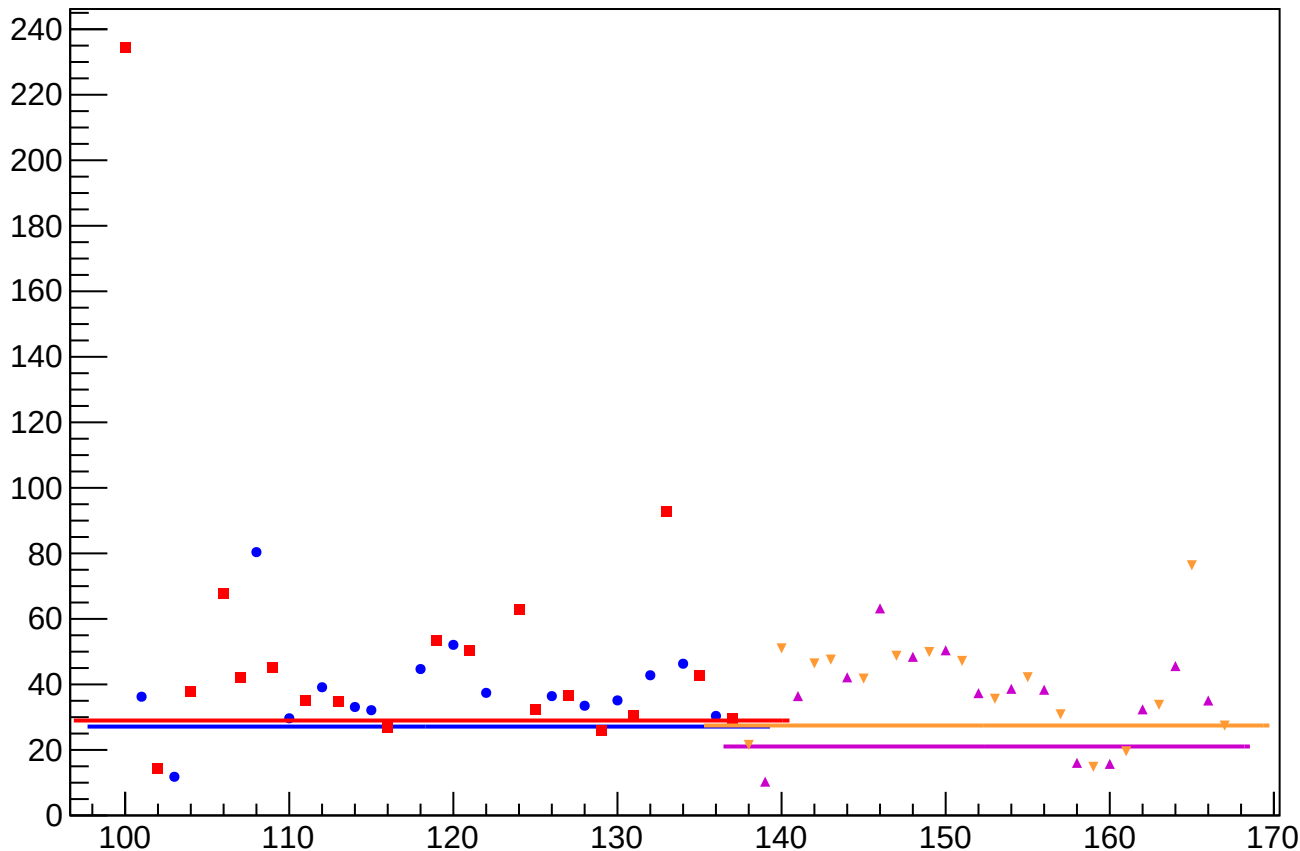
Left In: 0.008 $\pm$ 0.008 χ^2 /NDF:11.9/13

+ sign 0.008 $\pm$ 0.007 χ^2 /NDF: 58.8/31

All: 0.013 $\pm$ 0.005 χ^2 /NDF: 86.7/64

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 27.2/32

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: 27.457+/-0.006 χ^2/NDF : 4038360.0/15

Right Out: 28.982+/-0.009 χ^2/NDF : 2455659.1/18

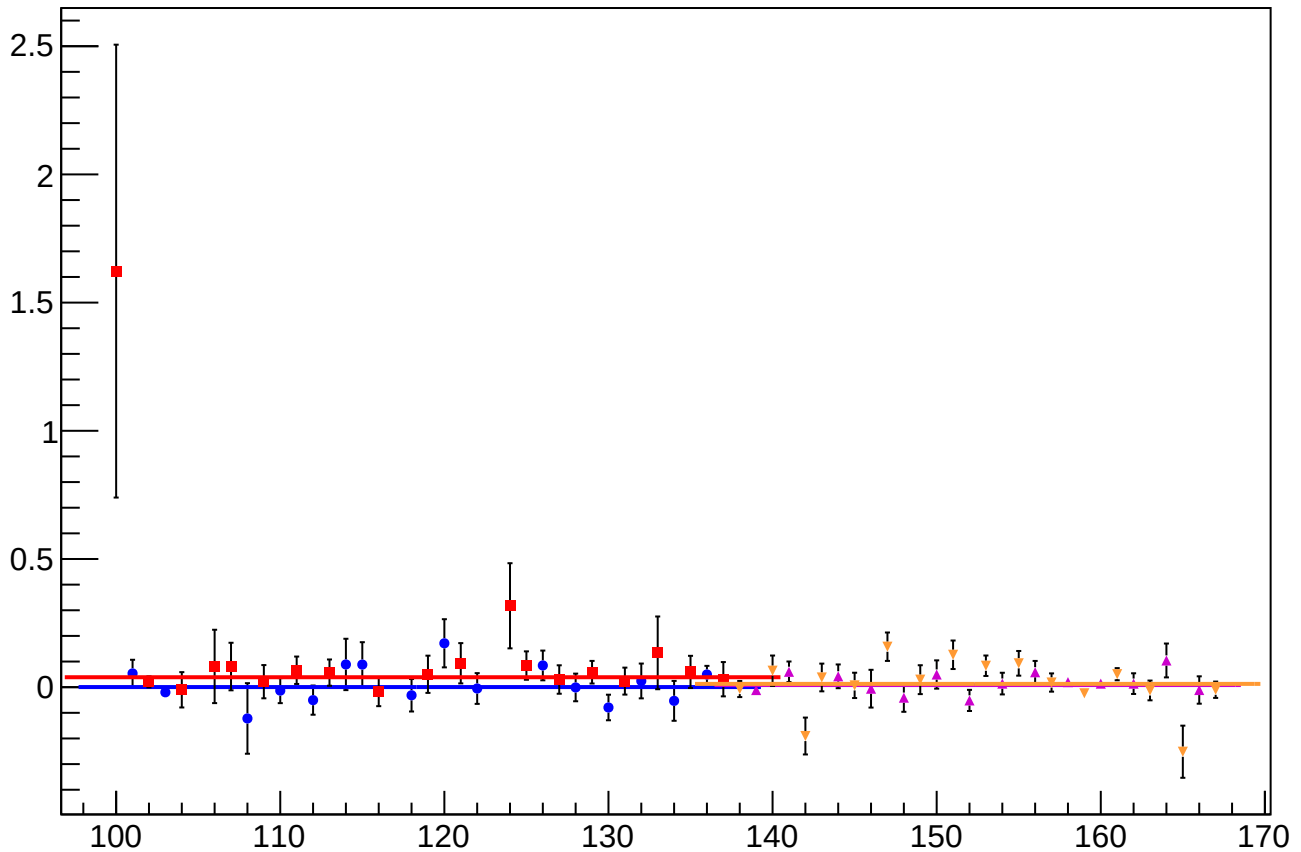
Left In: 21.051+/-0.005 χ^2/NDF : 5577551.7/13

+ sign 27.339+/-0.005 χ^2/NDF : 6454974.6/31

All: 25.101+/-0.003 χ^2/NDF : 15413780.3/64

- sign 23.223+/-0.005 χ^2/NDF : 8605183.9/32

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 χ^2/NDF : 16.5/15

Left Out: 0.013 ± 0.009 χ^2/NDF : 41.7/15

Right Out: 0.039 ± 0.013 χ^2/NDF : 11.1/18

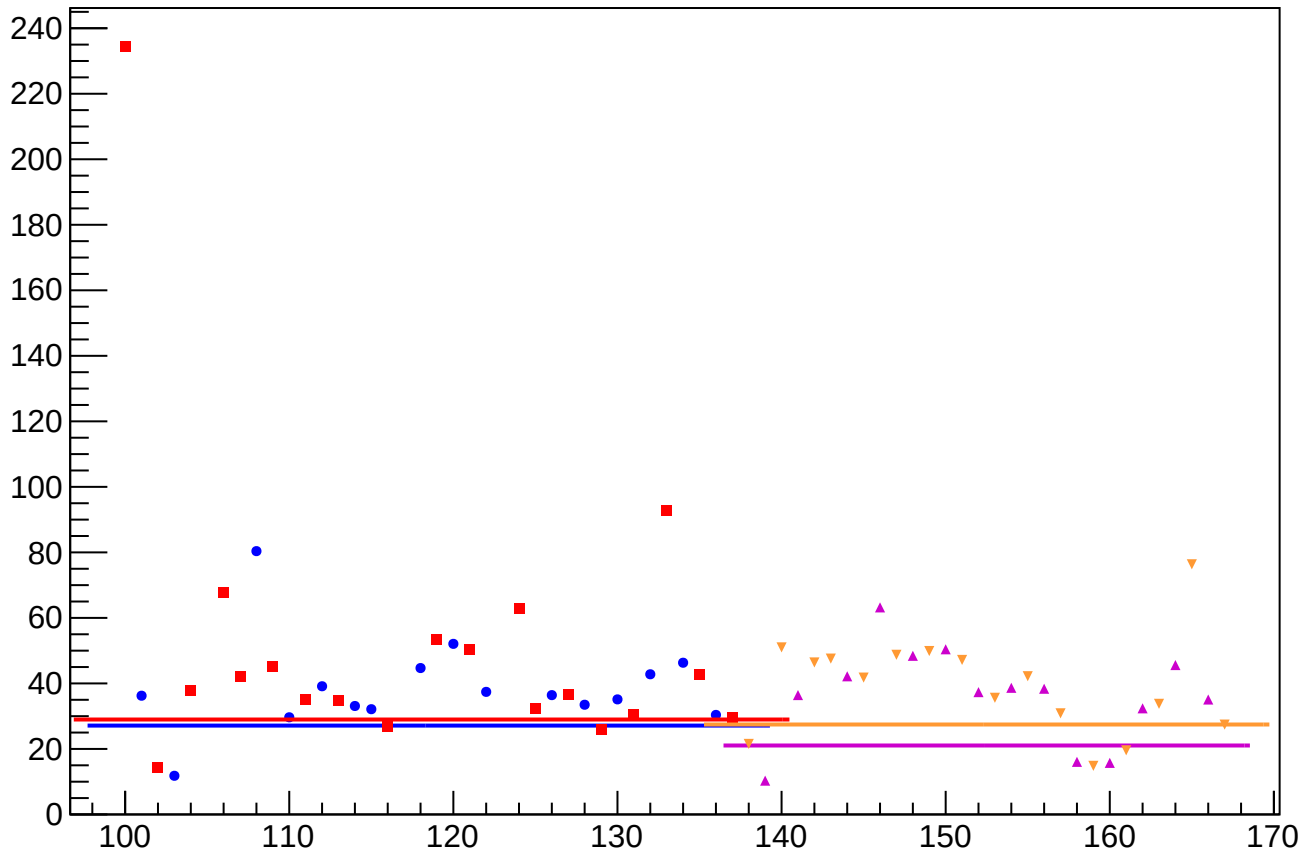
Left In: 0.008 ± 0.008 χ^2/NDF : 11.9/13

+ sign 0.008 ± 0.007 χ^2/NDF : 58.8/31

All: 0.013 ± 0.005 χ^2/NDF : 86.7/64

- sign 0.017 ± 0.007 χ^2/NDF : 27.2/32

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF : 2415651.3/15

Left Out: 27.457+/-0.006 χ^2/NDF : 4038360.0/15

Right Out: 28.982+/-0.009 χ^2/NDF : 2455659.1/18

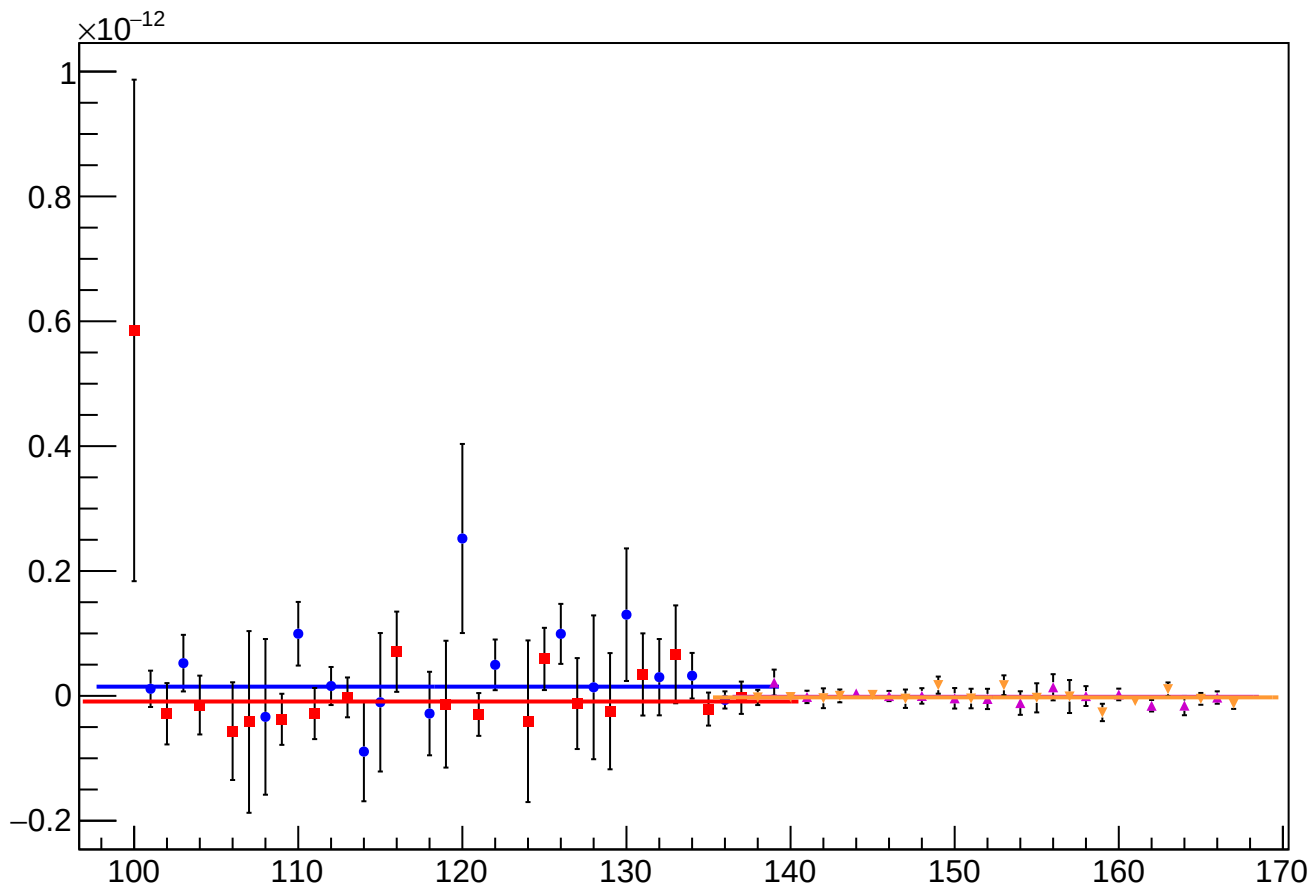
Left In: 21.051+/-0.005 χ^2/NDF : 5577551.7/13

+ sign 27.339+/-0.005 χ^2/NDF : 6454974.6/31

All: 25.101+/-0.003 χ^2/NDF : 15413780.3/64

- sign 23.223+/-0.005 χ^2/NDF : 8605183.9/32

asym_sam_37_avg_eigen_cor_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 : 10.6/15

Right Out: -0.000+/-0.000 χ^2/NDF : 9.0/18

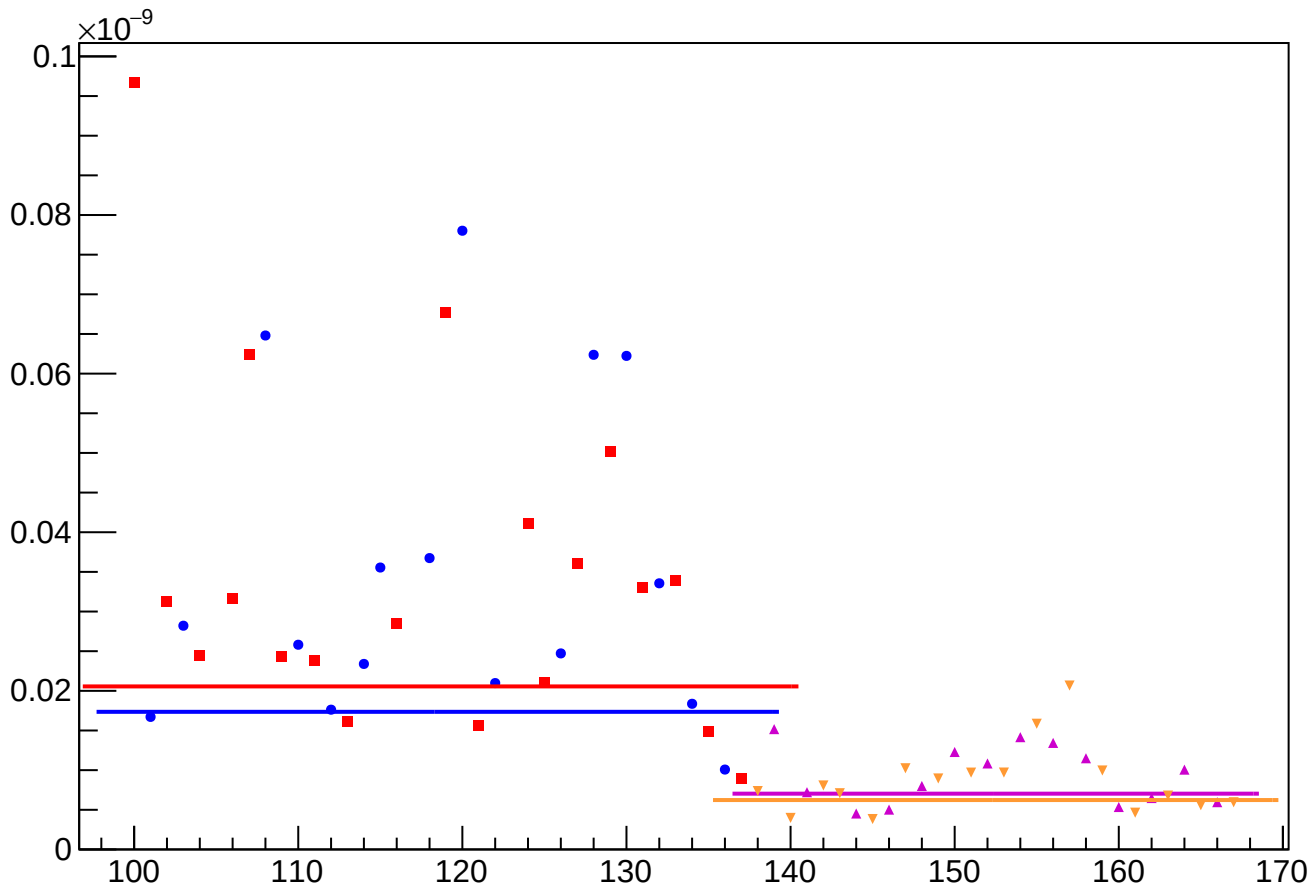
Left In: -0.000+/-0.000 χ^2/NDF : 6.2/13

+ sign -0.000+/-0.000 χ^2/NDF : 29.6/31

All: -0.000+/-0.000 χ^2/NDF : 45.3/64

- sign -0.000+/-0.000 χ^2/NDF : 15.7/32

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2165989.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1925673.6/18

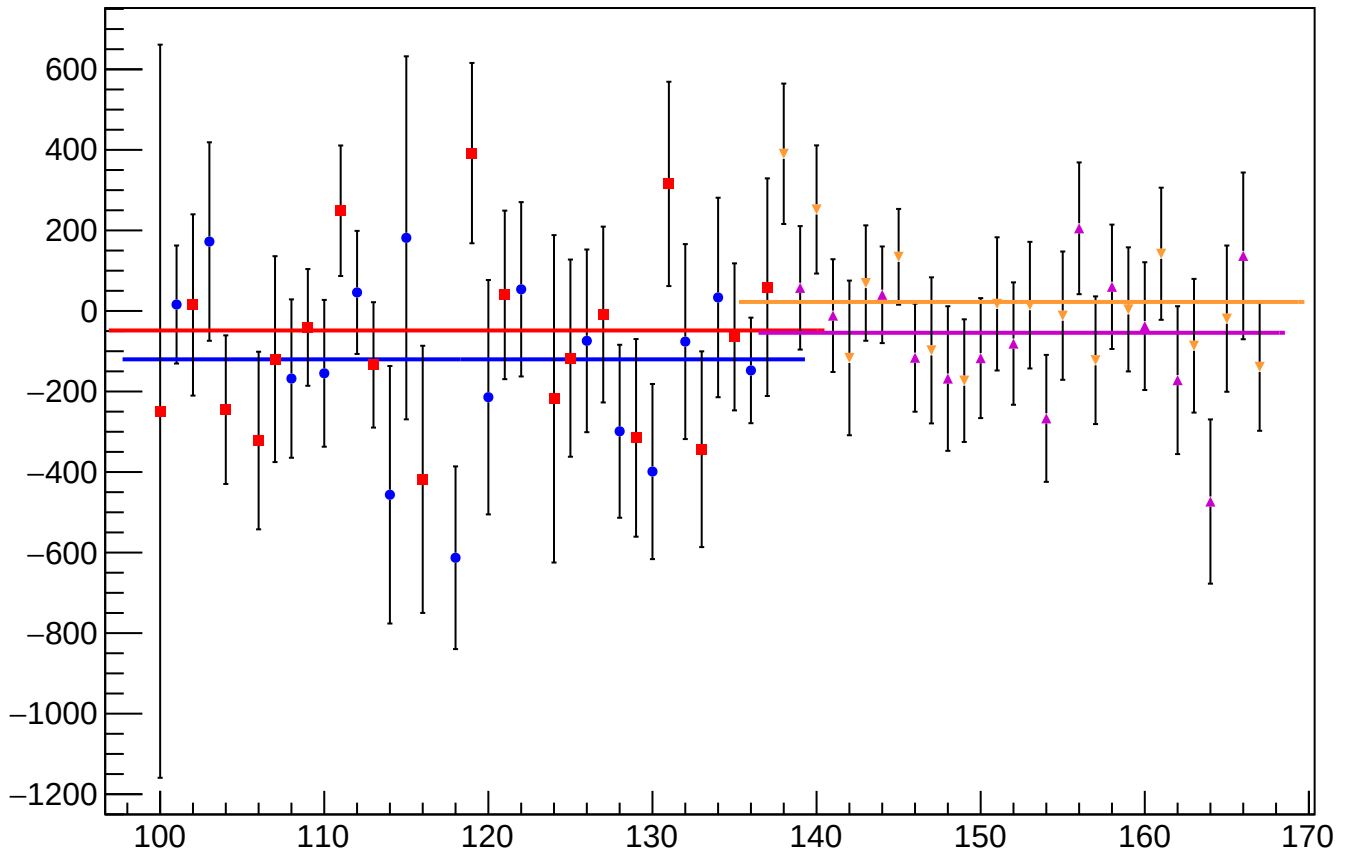
Left In: 0.000+/-0.000 χ^2/NDF : 1851508.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 7179168.0/31

All: 0.000+/-0.000 χ^2/NDF : 13980360.8/64

- sign 0.000+/-0.000 χ^2/NDF : 6675848.7/32

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 22.386 ± 39.708 χ^2/NDF : 13.1/15

Right Out: -48.449 ± 49.910 χ^2/NDF : 17.0/18

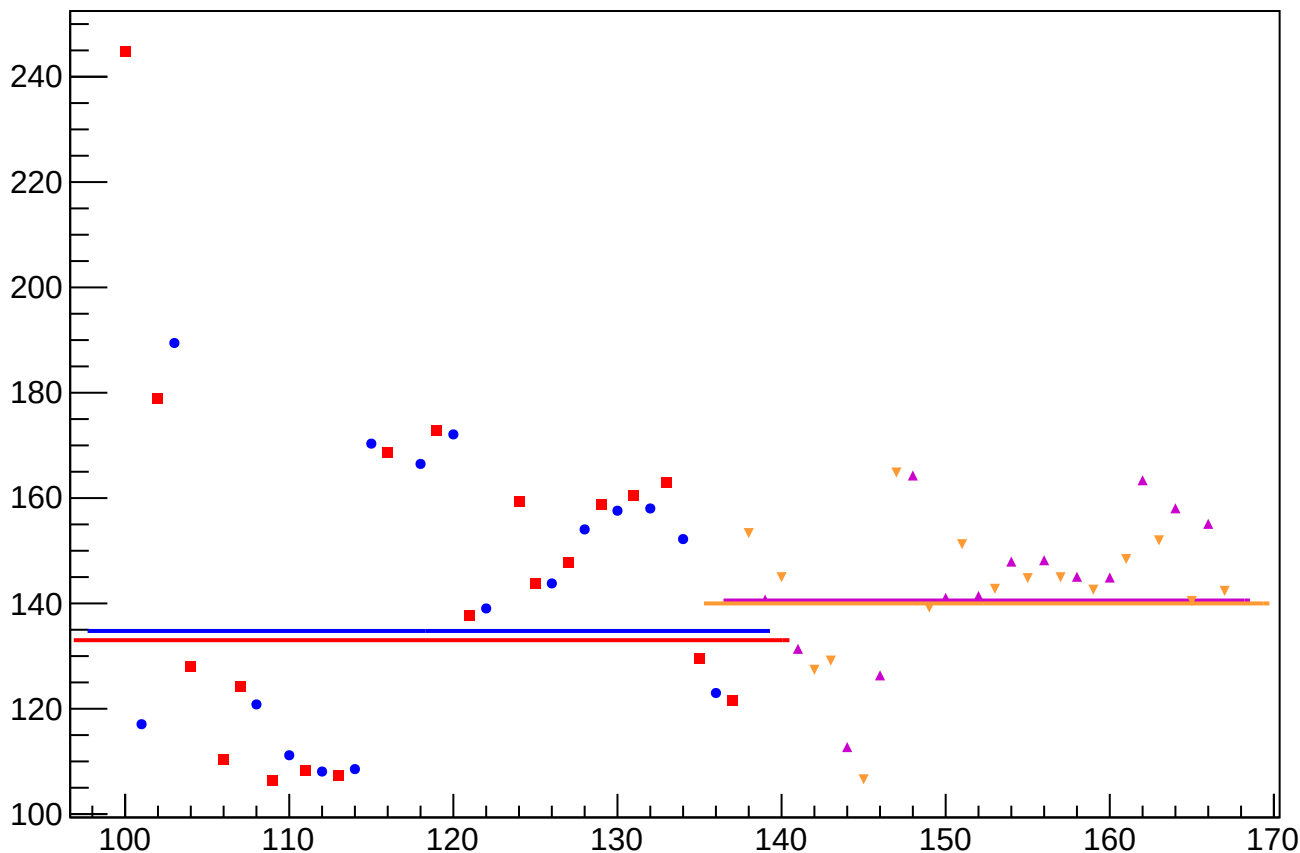
Left In: -54.209 ± 41.730 χ^2/NDF : 12.4/13

+ sign -31.277 ± 31.355 χ^2/NDF : 31.3/31

All: -41.344 ± 22.401 χ^2/NDF : 61.0/64

- sign -51.839 ± 32.014 χ^2/NDF : 29.4/32

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416778.7/15

Left Out: 139.997 $\pm$ 0.028 χ^2 /NDF: 259614.3/15

Right Out: 133.019 $\pm$ 0.035 χ^2 /NDF: 495717.0/18

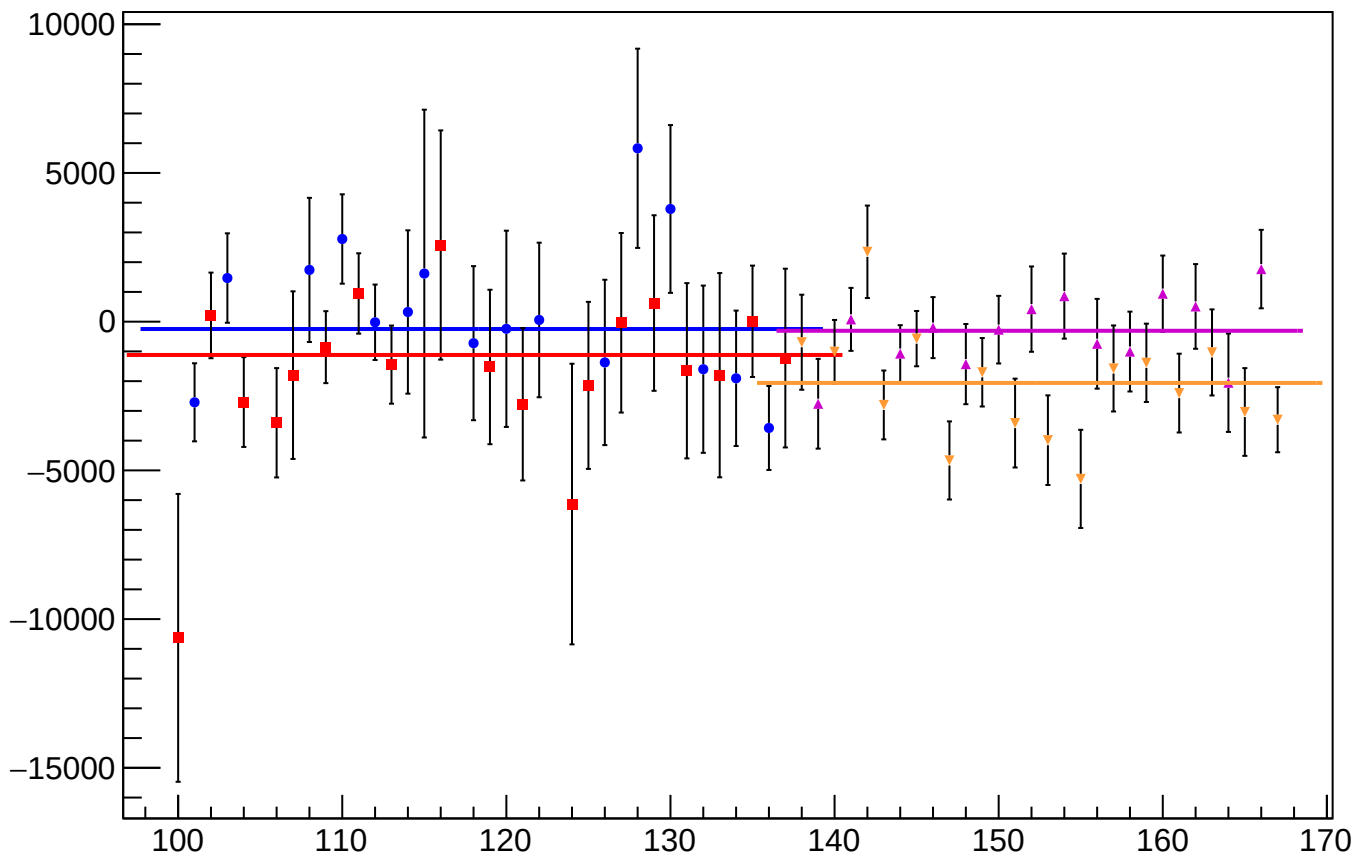
Left In: 140.551 $\pm$ 0.030 χ^2 /NDF: 241223.1/13

+ sign 138.029 $\pm$ 0.022 χ^2 /NDF: 689432.2/31

All: 137.747 $\pm$ 0.016 χ^2 /NDF: 1453506.9/64

- sign 137.452 $\pm$ 0.023 χ^2 /NDF: 763742.4/32

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF : 21.6/15

Left Out: -2059.209+/-323.231 χ^2/NDF : 25.7/15

Right Out: -1119.420+/-468.400 χ^2/NDF : 13.4/18

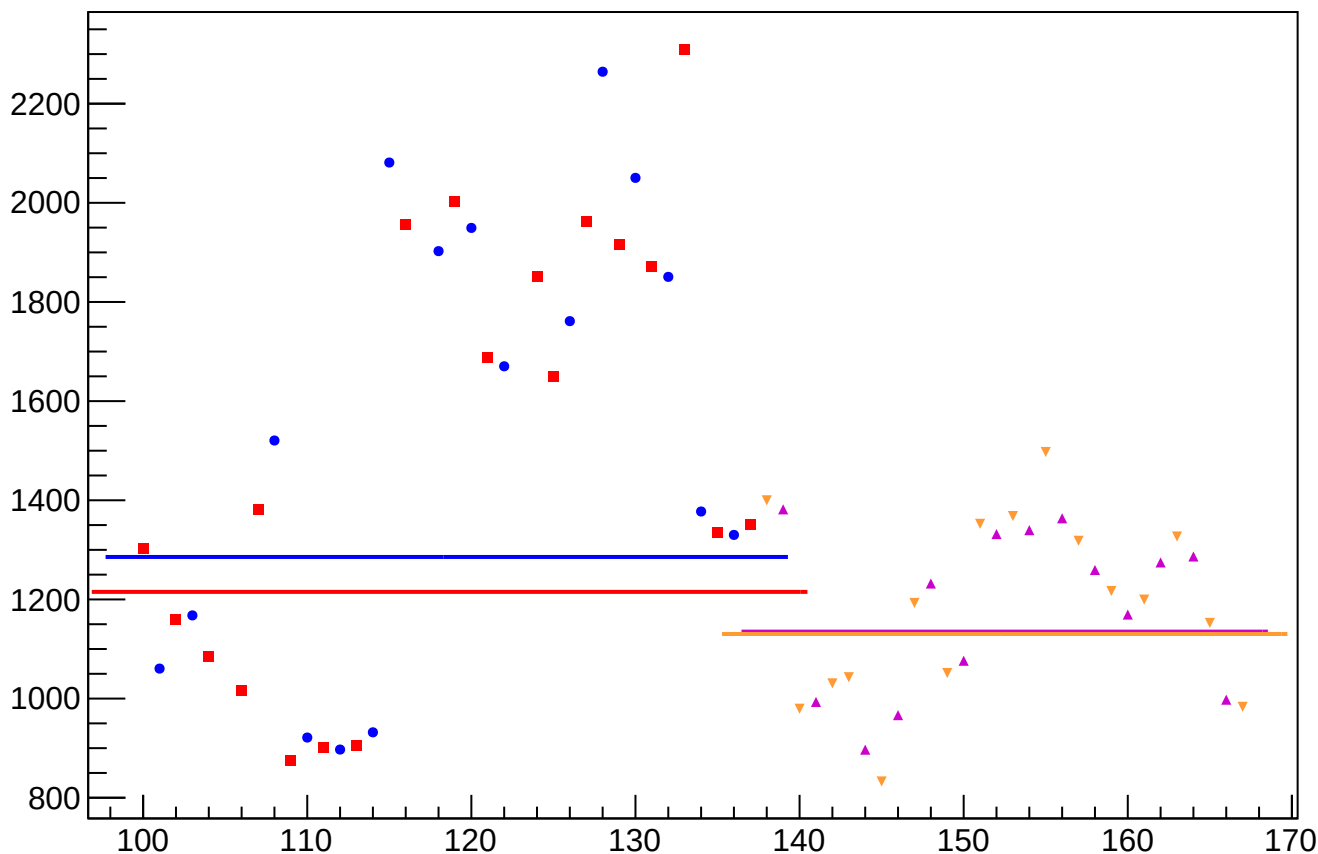
Left In: -306.380+/-338.768 χ^2/NDF : 10.3/13

+ sign -1527.017+/-271.674 χ^2/NDF : 56.5/31

All: -1061.181+/-193.094 χ^2/NDF : 88.1/64

- sign -585.609+/-274.499 χ^2/NDF : 25.6/32

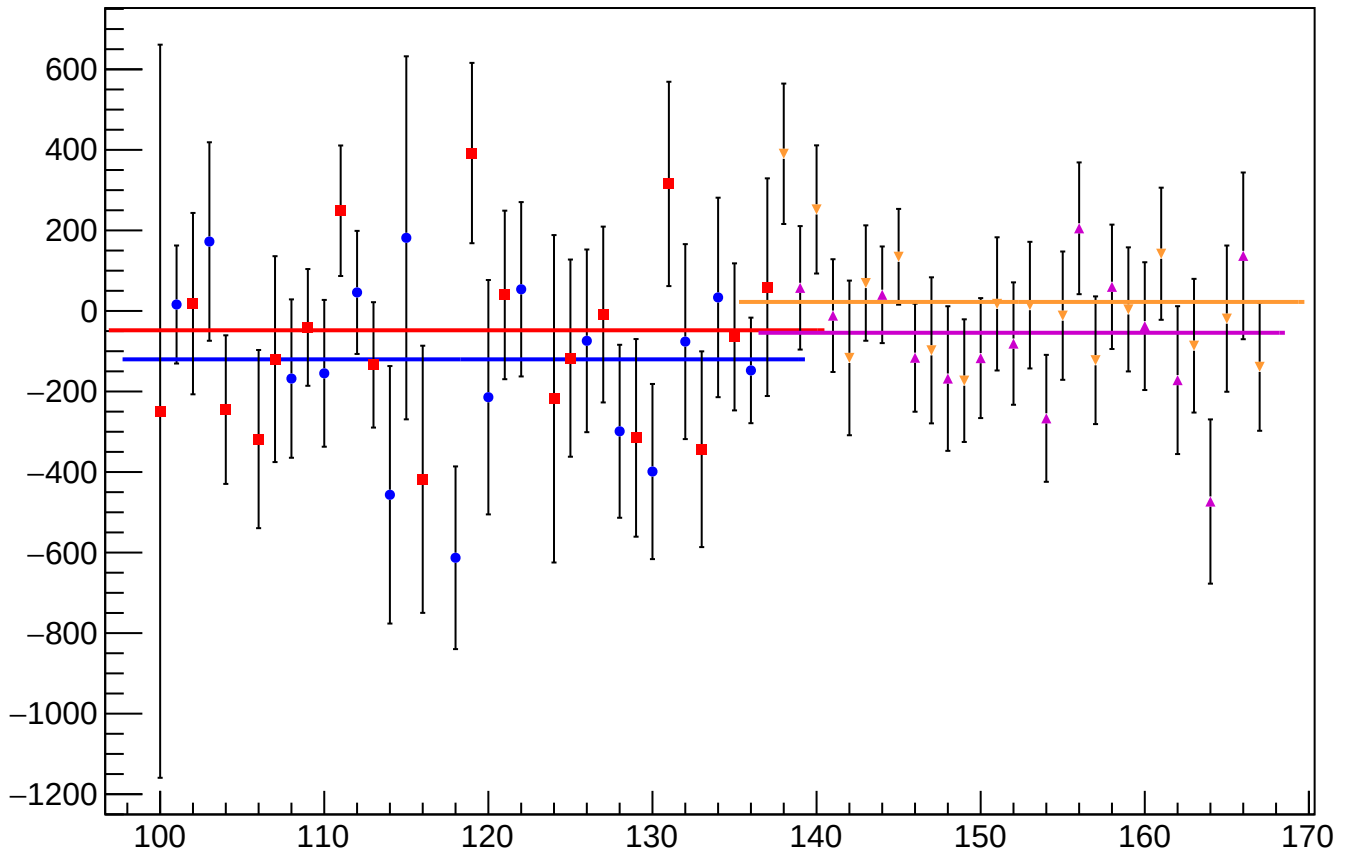
asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668 ± 0.355 $\chi^2/\text{NDF}: 1170437.4/15$
 Left Out: 1130.333 ± 0.229 $\chi^2/\text{NDF}: 649576.8/15$
 Right Out: 1215.237 ± 0.331 $\chi^2/\text{NDF}: 1386290.4/18$
 Left In: 1135.087 ± 0.240 $\chi^2/\text{NDF}: 484089.6/13$

+ sign 1175.934 ± 0.192 $\chi^2/\text{NDF}: 1955611.6/31$
 All: 1169.342 ± 0.137 $\chi^2/\text{NDF}: 3866819.7/64$
 - sign 1162.613 ± 0.194 $\chi^2/\text{NDF}: 1908828.9/32$

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 22.392 ± 39.708 χ^2/NDF : 13.1/15

Right Out: -48.013 ± 49.919 χ^2/NDF : 17.0/18

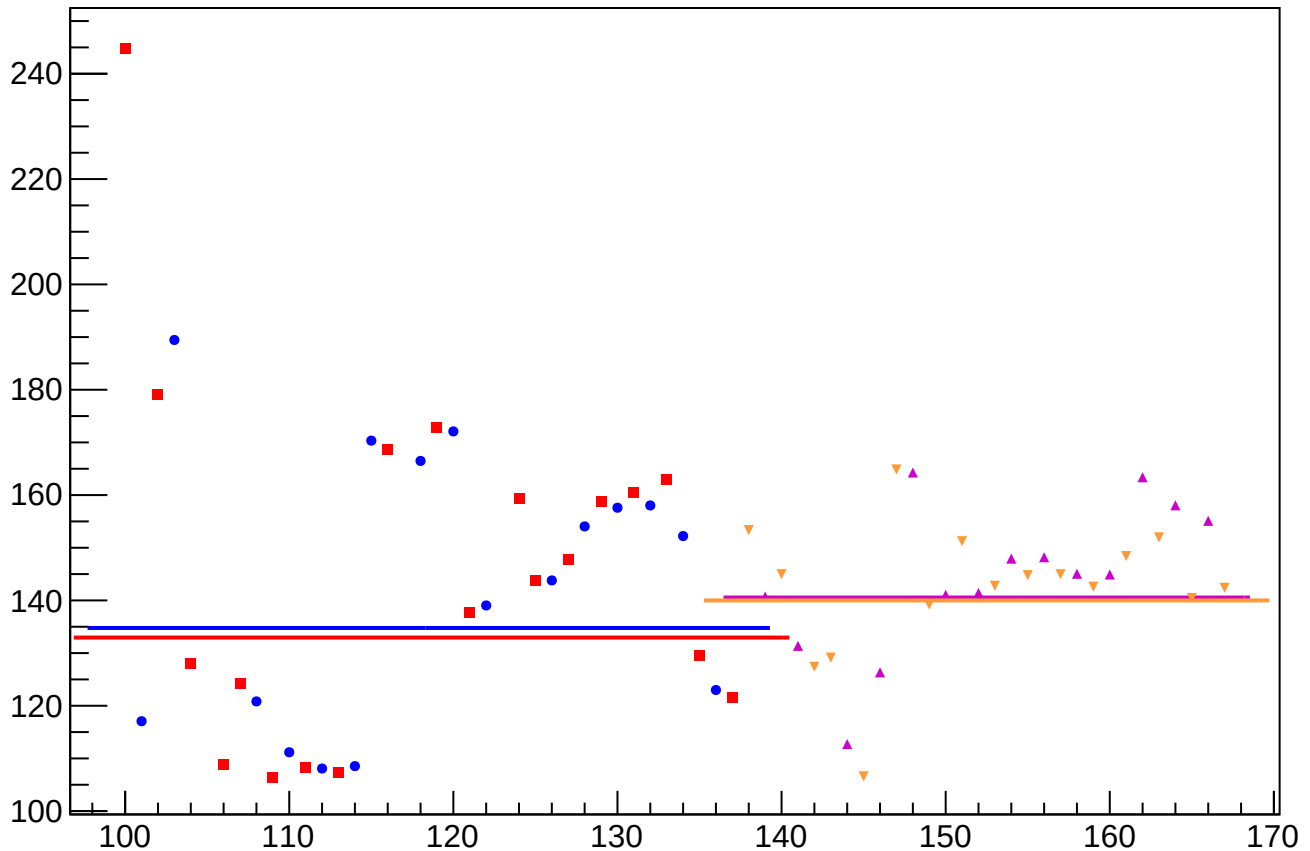
Left In: -54.210 ± 41.730 χ^2/NDF : 12.4/13

+ sign -31.276 ± 31.355 χ^2/NDF : 31.3/31

All: -41.256 ± 22.402 χ^2/NDF : 61.0/64

- sign -51.660 ± 32.016 χ^2/NDF : 29.4/32

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771 ± 0.036 χ^2/NDF : 416781.8/15

Left Out: 139.997 ± 0.028 χ^2/NDF : 259614.3/15

Right Out: 132.947 ± 0.035 χ^2/NDF : 498850.6/18

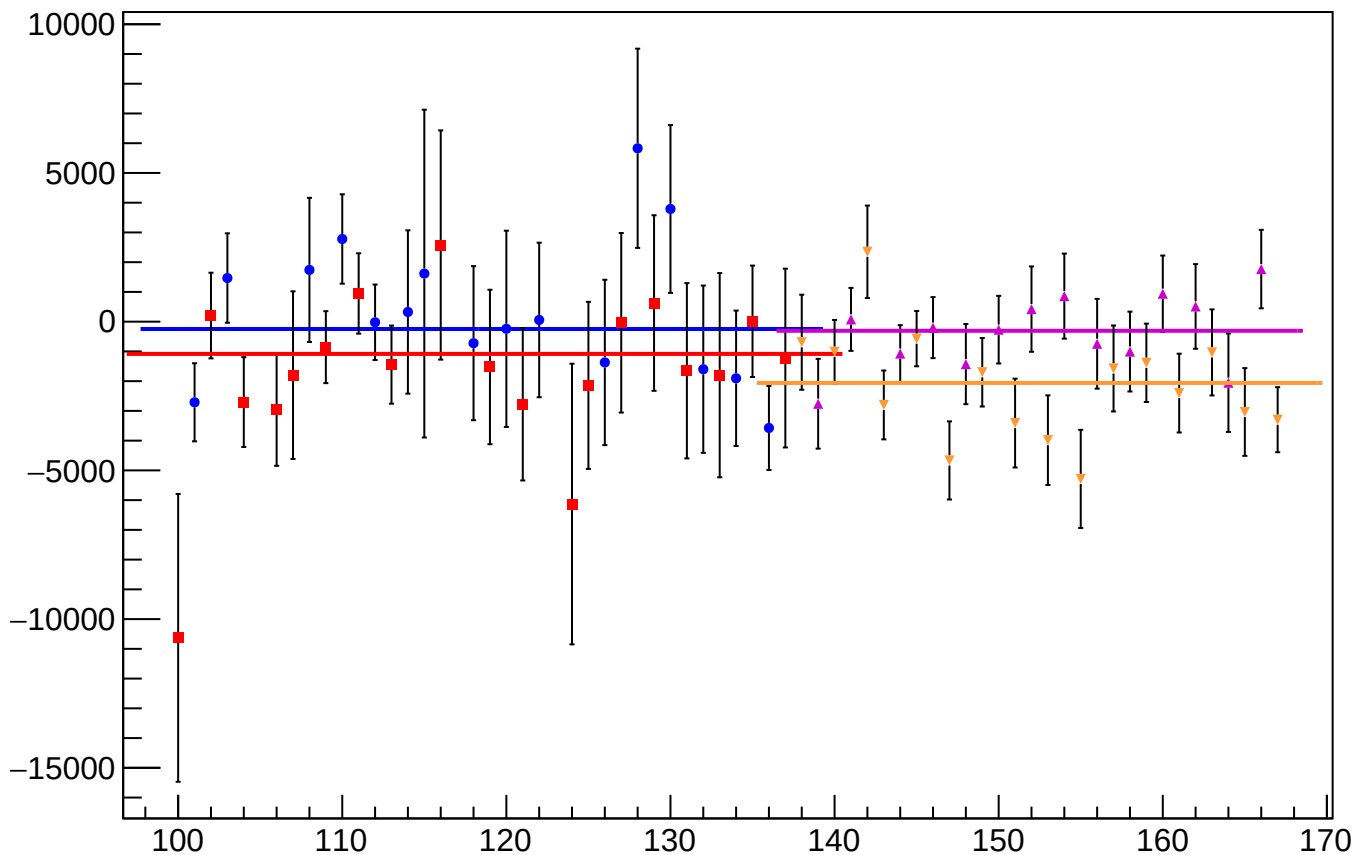
Left In: 140.551 ± 0.030 χ^2/NDF : 241223.2/13

+ sign 138.029 ± 0.022 χ^2/NDF : 689435.2/31

All: 137.732 ± 0.016 χ^2/NDF : 1457189.5/64

- sign 137.423 ± 0.023 χ^2/NDF : 767387.7/32

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428 ± 501.418 χ^2/NDF : 21.6/15

Left Out: -2059.198 ± 323.231 χ^2/NDF : 25.7/15

Right Out: -1084.094 ± 469.323 χ^2/NDF : 12.8/18

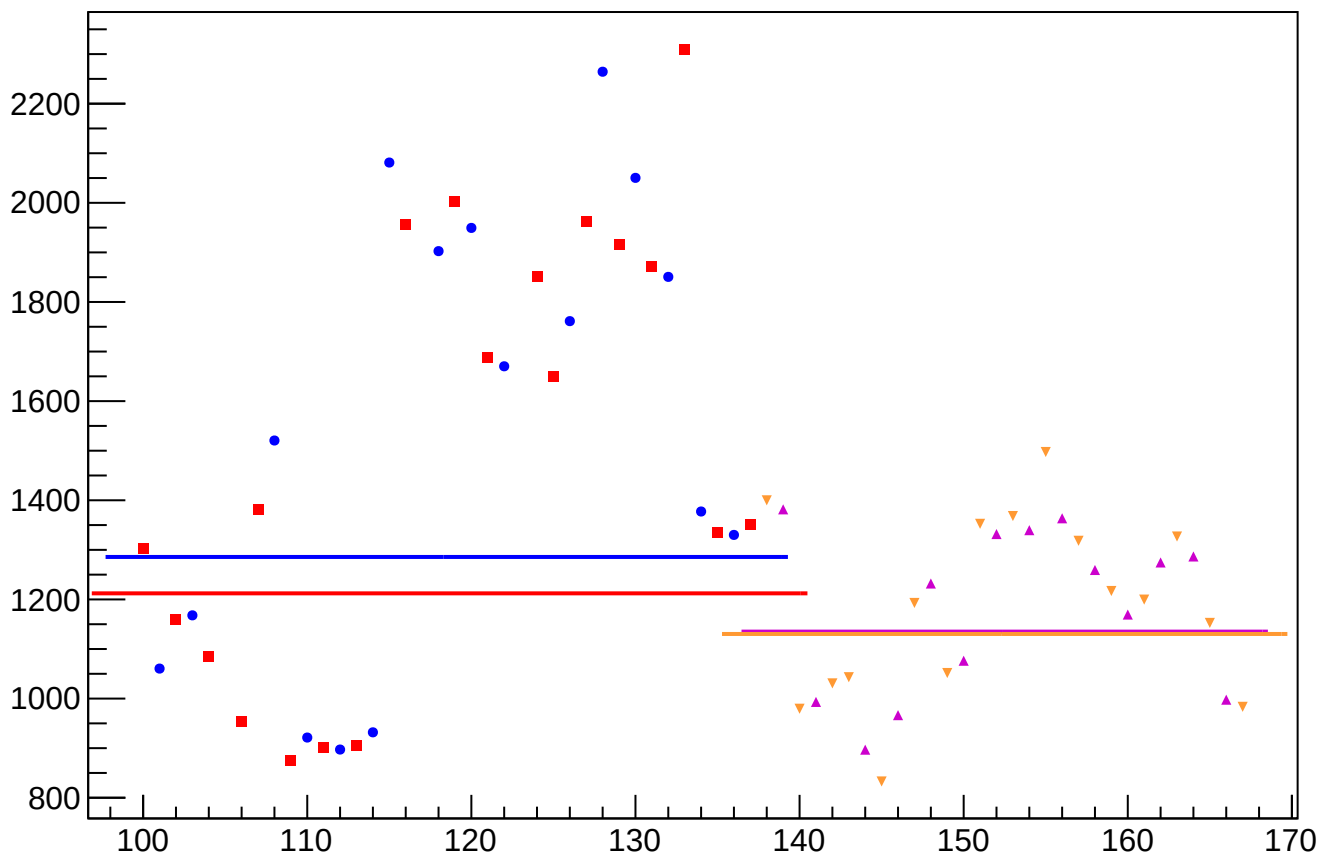
Left In: -306.387 ± 338.768 χ^2/NDF : 10.3/13

+ sign -1527.038 ± 271.675 χ^2/NDF : 56.5/31

All: -1055.170 ± 193.159 χ^2/NDF : 87.5/64

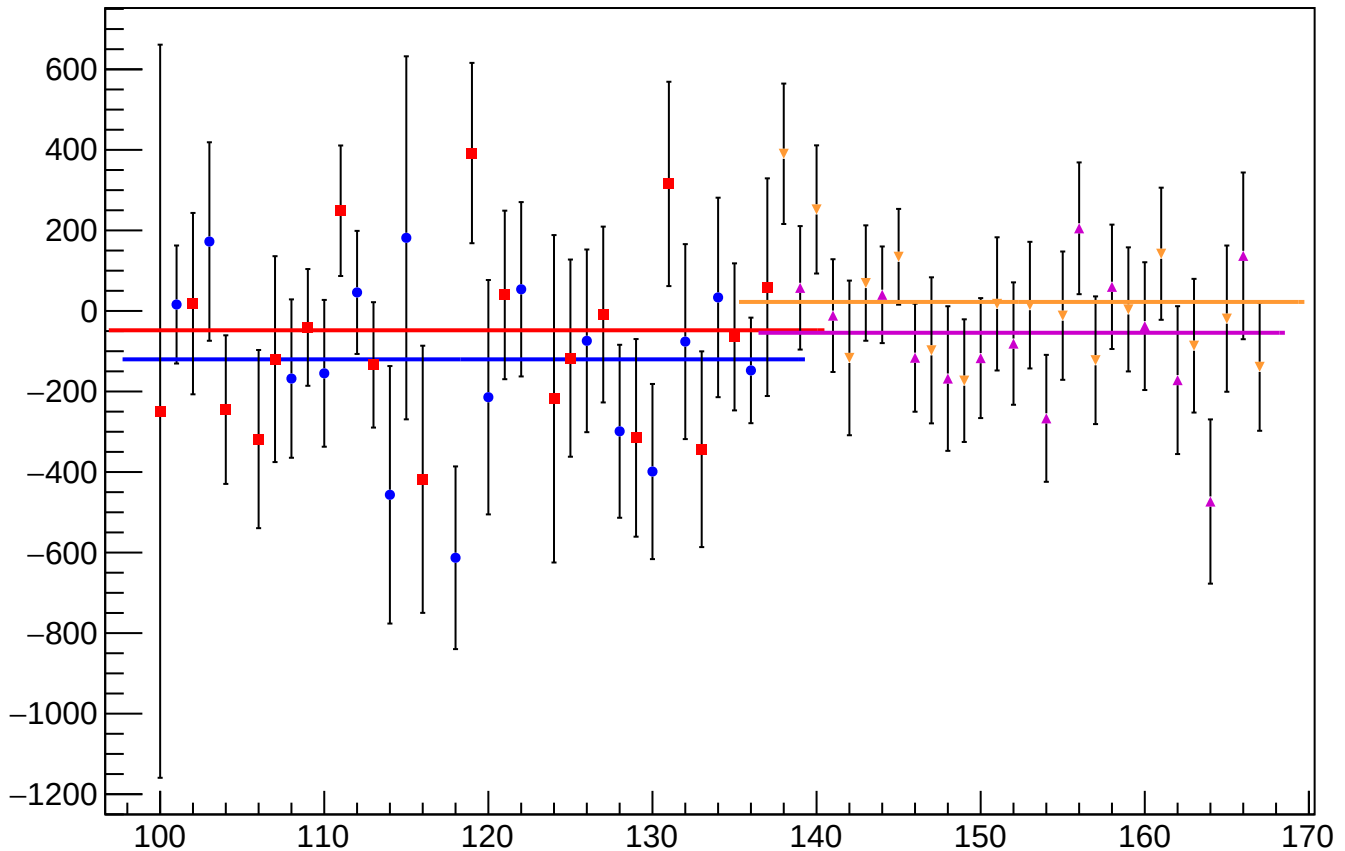
- sign -572.791 ± 274.685 χ^2/NDF : 24.9/32

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355	χ^2/NDF : 1170412.5/15	+ sign 1175.937+/-0.192	χ^2/NDF : 1955611.6/31
Left Out: 1130.332+/-0.229	χ^2/NDF : 649579.2/15		
Right Out: 1212.276+/-0.332	χ^2/NDF : 1400635.5/18	All: 1168.812+/-0.137	χ^2/NDF : 3878683.9/64
Left In: 1135.087+/-0.240	χ^2/NDF : 484087.2/13	- sign 1161.528+/-0.194	χ^2/NDF : 1920290.3/32

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF : 13.4/15

Left Out: 22.392+/-39.708 χ^2/NDF : 13.1/15

Right Out: -48.013+/-49.919 χ^2/NDF : 17.0/18

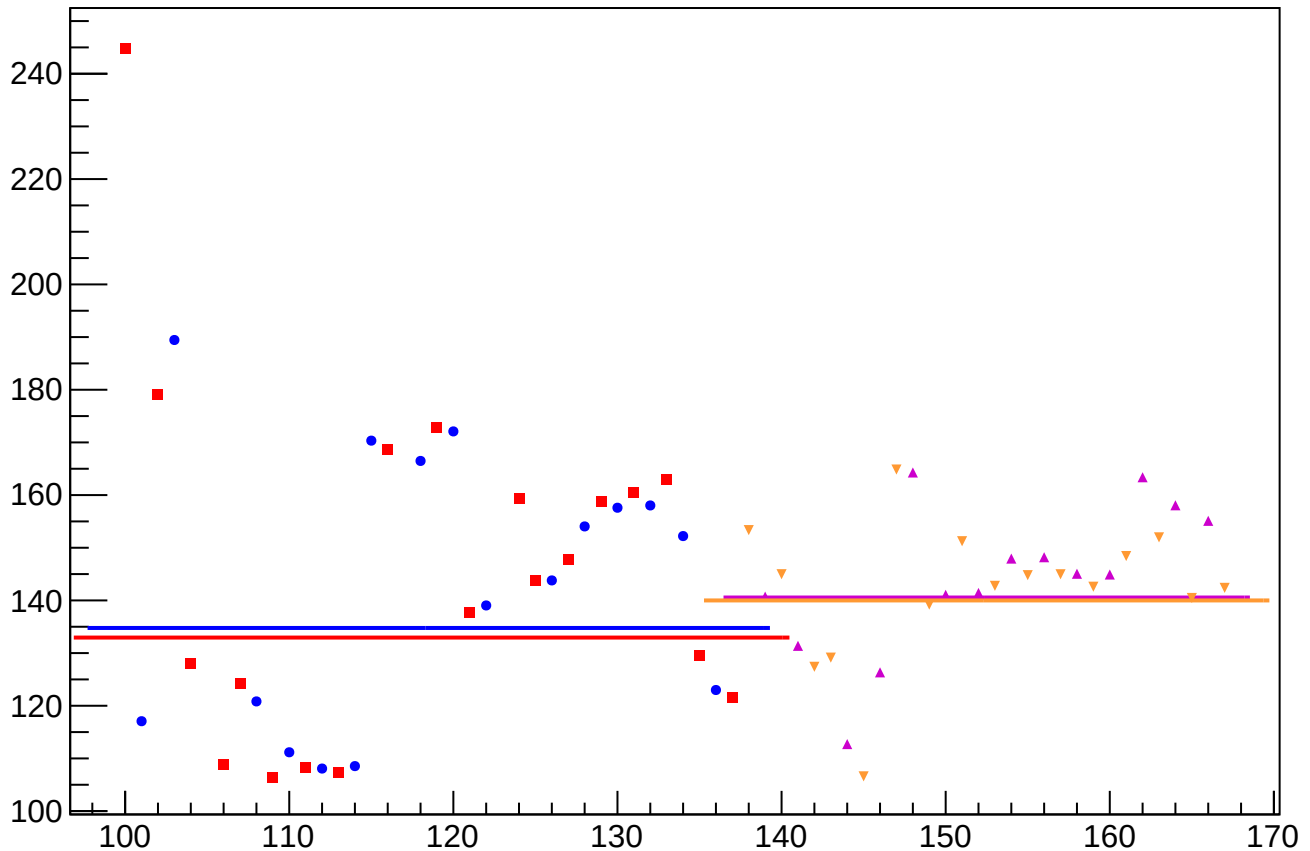
Left In: -54.210+/-41.730 χ^2/NDF : 12.4/13

+ sign -31.276+/-31.355 χ^2/NDF : 31.3/31

All: -41.256+/-22.402 χ^2/NDF : 61.0/64

- sign -51.660+/-32.016 χ^2/NDF : 29.4/32

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416781.8/15

Left Out: 139.997 $\pm$ 0.028 χ^2 /NDF: 259614.3/15

Right Out: 132.947 $\pm$ 0.035 χ^2 /NDF: 498850.6/18

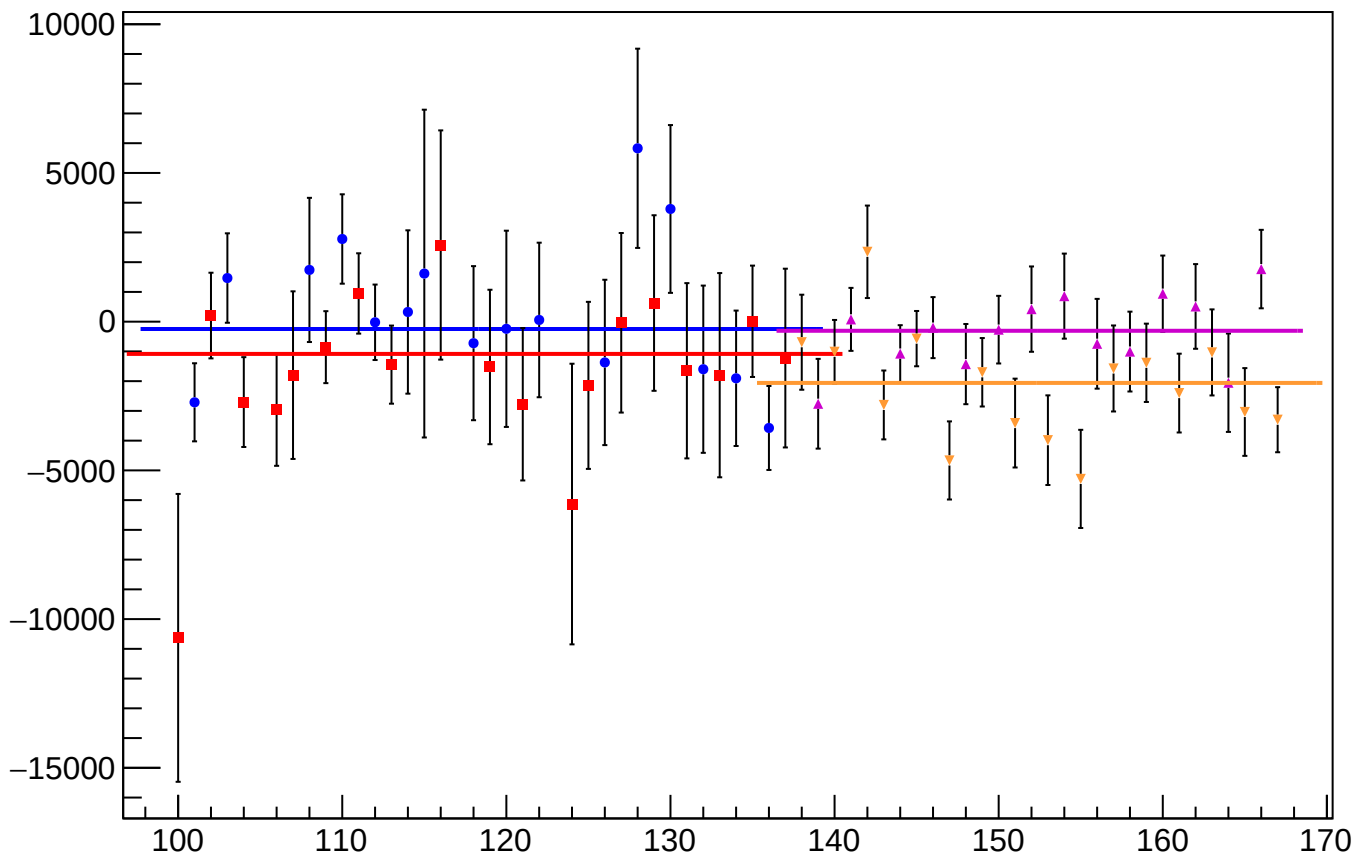
Left In: 140.551 $\pm$ 0.030 χ^2 /NDF: 241223.2/13

+ sign 138.029 $\pm$ 0.022 χ^2 /NDF: 689435.2/31

All: 137.732 $\pm$ 0.016 χ^2 /NDF: 1457189.5/64

- sign 137.423 $\pm$ 0.023 χ^2 /NDF: 767387.7/32

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF : 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF : 25.7/15

Right Out: -1084.094+/-469.323 χ^2/NDF : 12.8/18

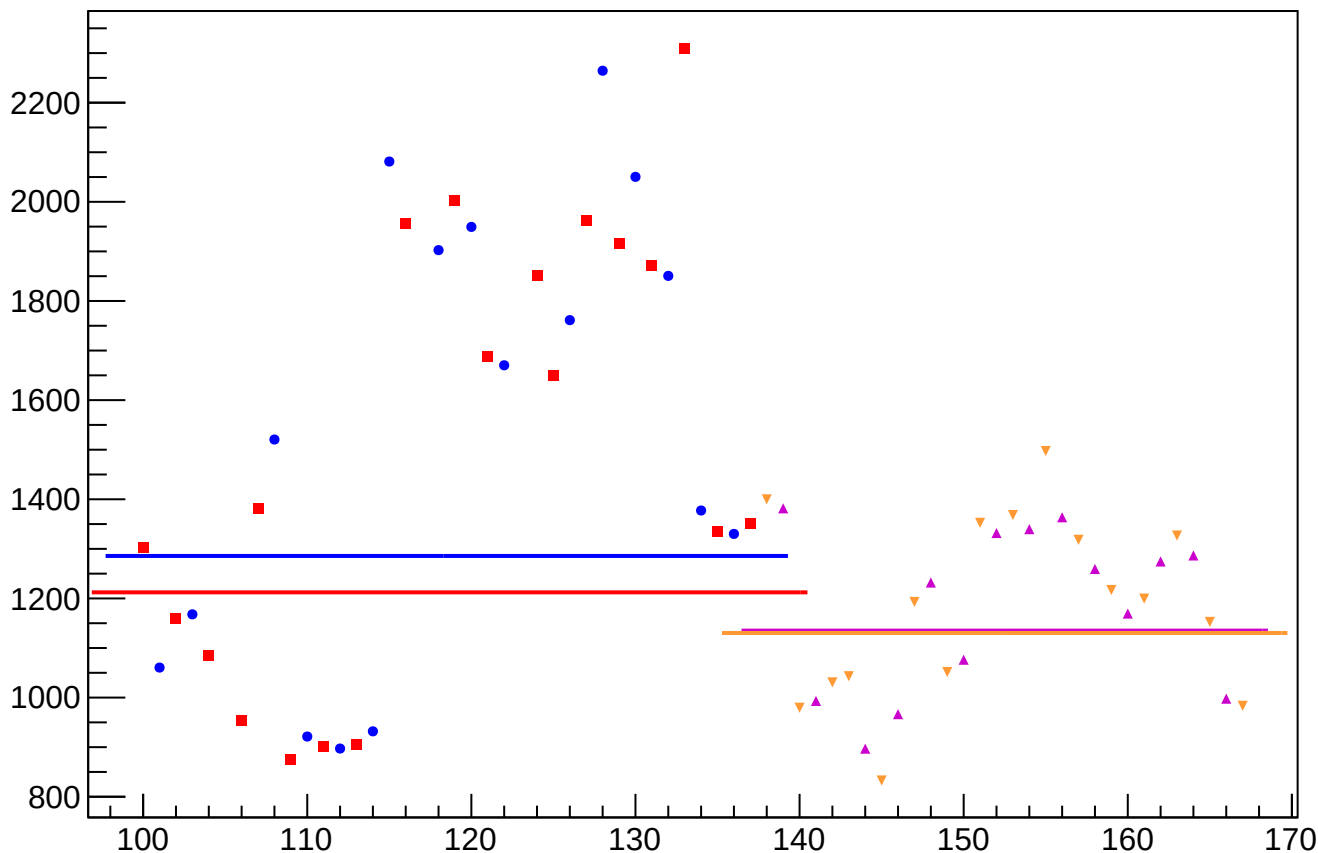
Left In: -306.387+/-338.768 χ^2/NDF : 10.3/13

+ sign -1527.038+/-271.675 χ^2/NDF : 56.5/31

All: -1055.170+/-193.159 χ^2/NDF : 87.5/64

- sign -572.791+/-274.685 χ^2/NDF : 24.9/32

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1285.682 $\pm$ 0.355 χ^2 /NDF: 1170412.5/15

Left Out: 1130.332 $\pm$ 0.229 χ^2 /NDF: 649579.2/15

Right Out: 1212.276 $\pm$ 0.332 χ^2 /NDF: 1400635.5/18

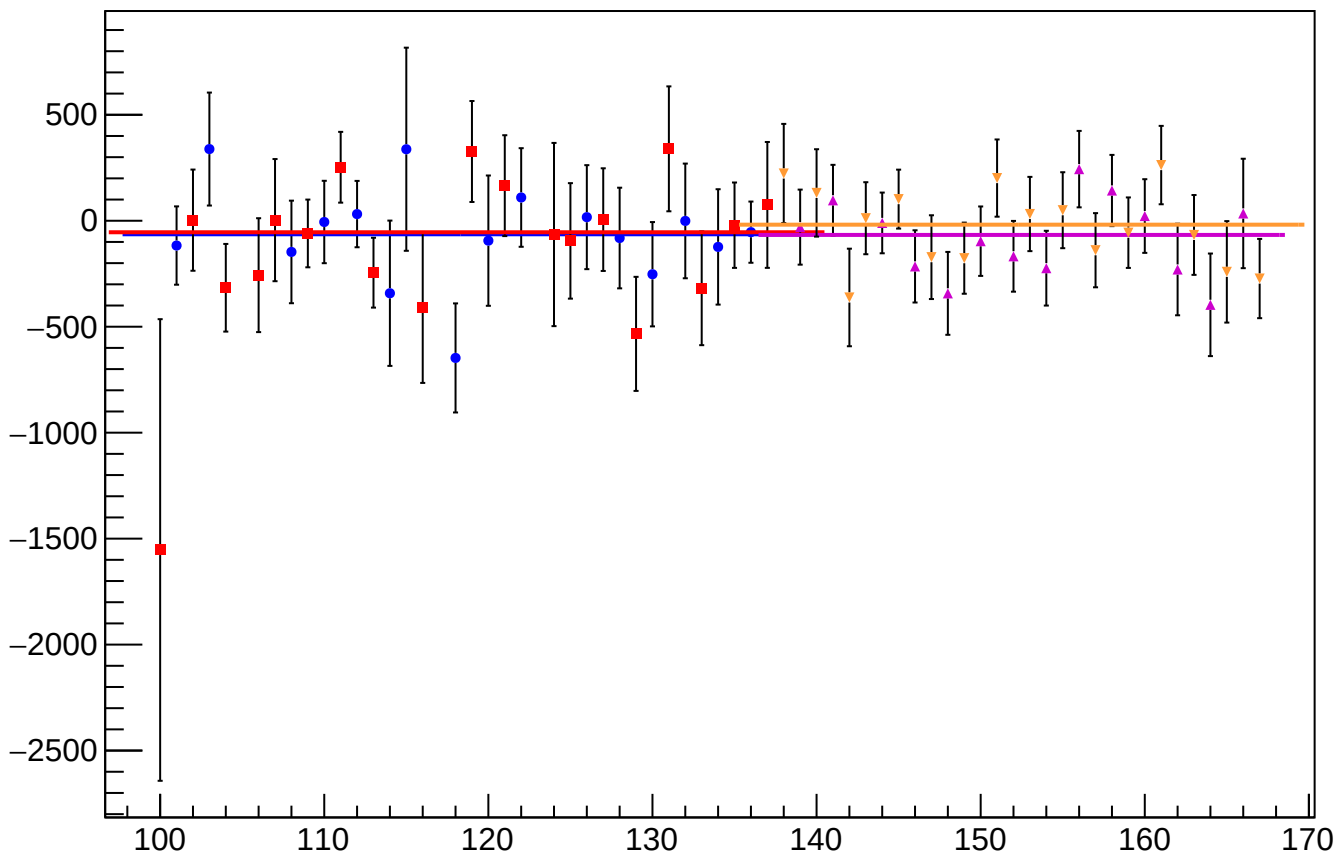
Left In: 1135.087 $\pm$ 0.240 χ^2 /NDF: 484087.2/13

+ sign 1175.937 $\pm$ 0.192 χ^2 /NDF: 1955611.6/31

All: 1168.812 $\pm$ 0.137 χ^2 /NDF: 3878683.9/64

- sign 1161.528 $\pm$ 0.194 χ^2 /NDF: 1920290.3/32

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781 $\pm$ 56.734 χ^2/NDF : 10.8/15

Left Out: -18.506 $\pm$ 45.922 χ^2/NDF : 13.4/15

Right Out: -54.305 $\pm$ 54.743 χ^2/NDF : 19.5/18

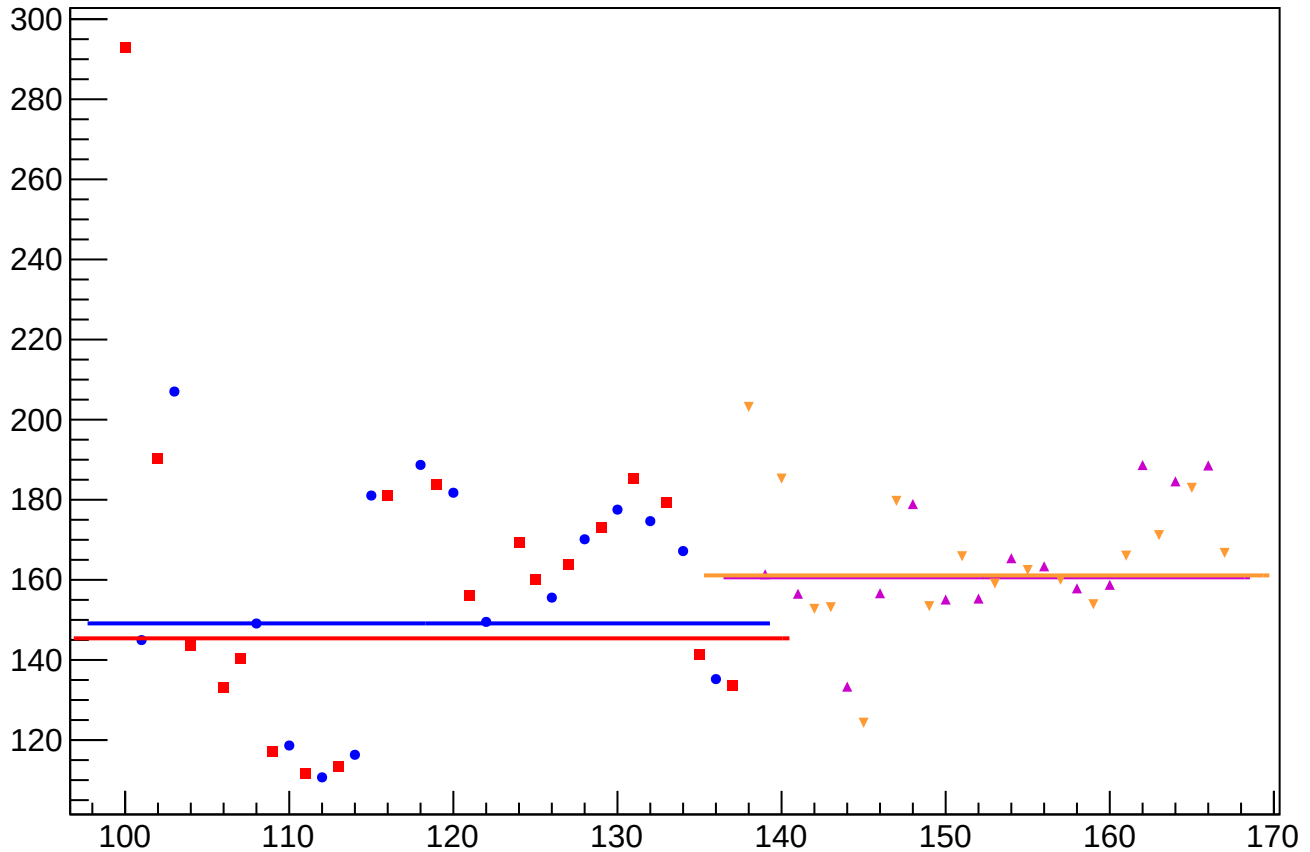
Left In: -66.897 $\pm$ 47.950 χ^2/NDF : 12.4/13

+ sign -36.428 $\pm$ 35.694 χ^2/NDF : 24.6/31

All: -48.798 $\pm$ 25.371 χ^2/NDF : 56.8/64

- sign -61.430 $\pm$ 36.070 χ^2/NDF : 32.0/32

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130 $\pm$ 0.040 χ^2/NDF : 451003.6/15

Left Out: 161.111 $\pm$ 0.032 χ^2/NDF : 292177.4/15

Right Out: 145.399 $\pm$ 0.039 χ^2/NDF : 525820.0/18

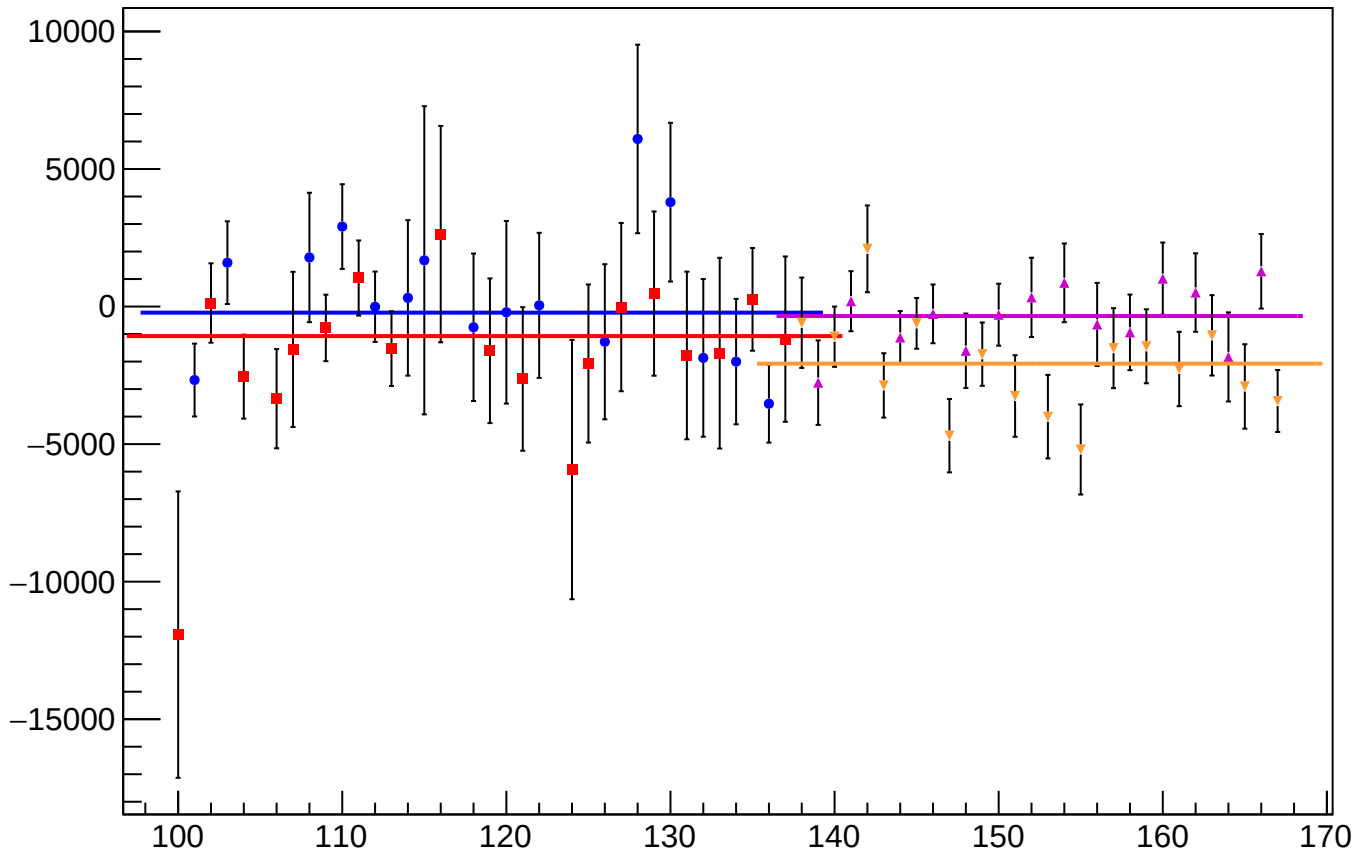
Left In: 160.636 $\pm$ 0.034 χ^2/NDF : 176092.2/13

+ sign 156.368 $\pm$ 0.025 χ^2/NDF : 797064.2/31

All: 155.207 $\pm$ 0.018 χ^2/NDF : 1590936.0/64

- sign 154.021 $\pm$ 0.026 χ^2/NDF : 789593.1/32

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240 ± 506.202 χ^2/NDF : 21.9/15

Left Out: -2074.669 ± 327.110 χ^2/NDF : 24.0/15

Right Out: -1074.433 ± 472.816 χ^2/NDF : 13.6/18

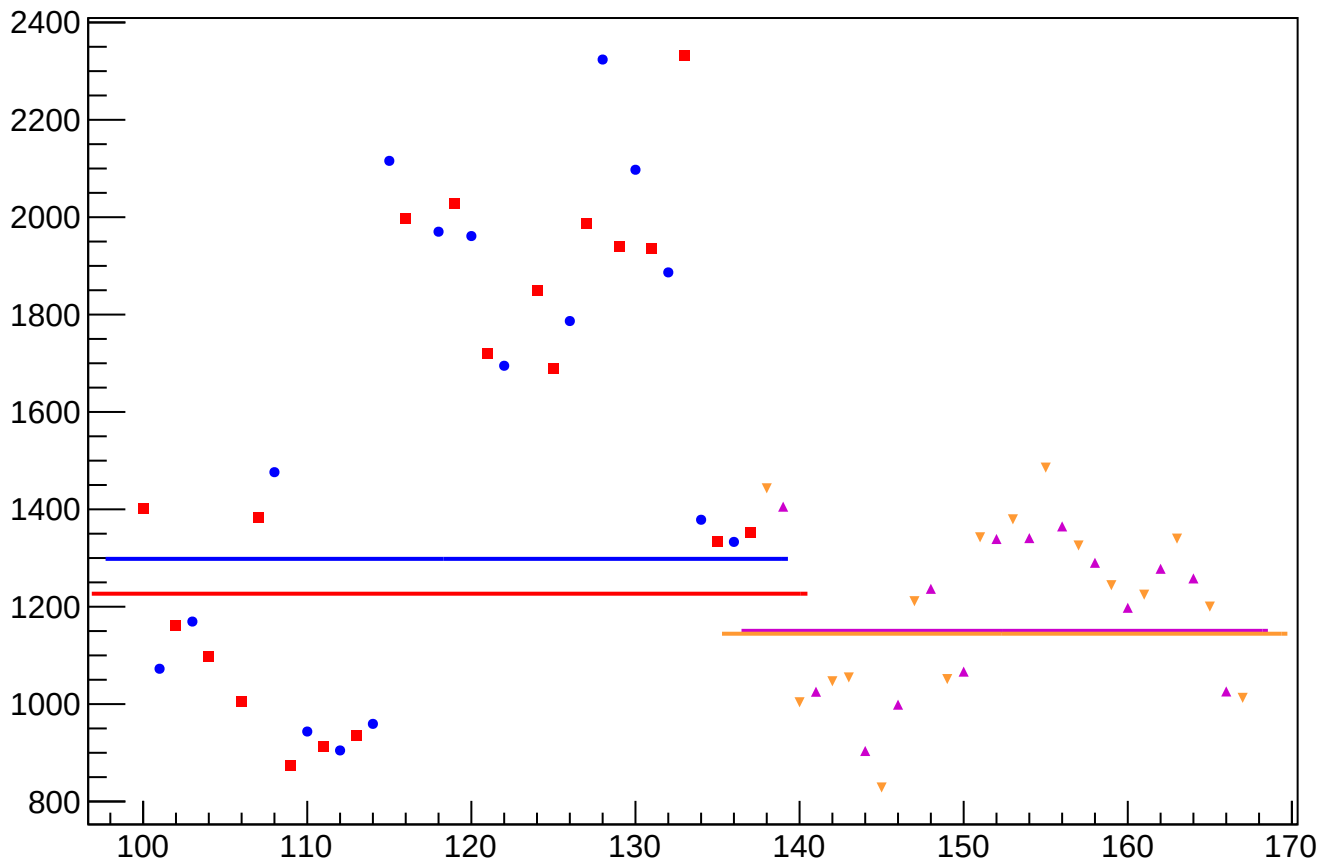
Left In: -345.390 ± 343.174 χ^2/NDF : 9.1/13

+ sign -1528.699 ± 274.739 χ^2/NDF : 55.4/31

All: -1067.862 ± 195.319 χ^2/NDF : 85.4/64

- sign -596.935 ± 277.730 χ^2/NDF : 24.3/32

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2 /NDF: 1182123.0/15

Left Out: 1144.556+/-0.231 χ^2 /NDF: 656270.1/15

Right Out: 1226.729+/-0.334 χ^2 /NDF: 1404521.7/18

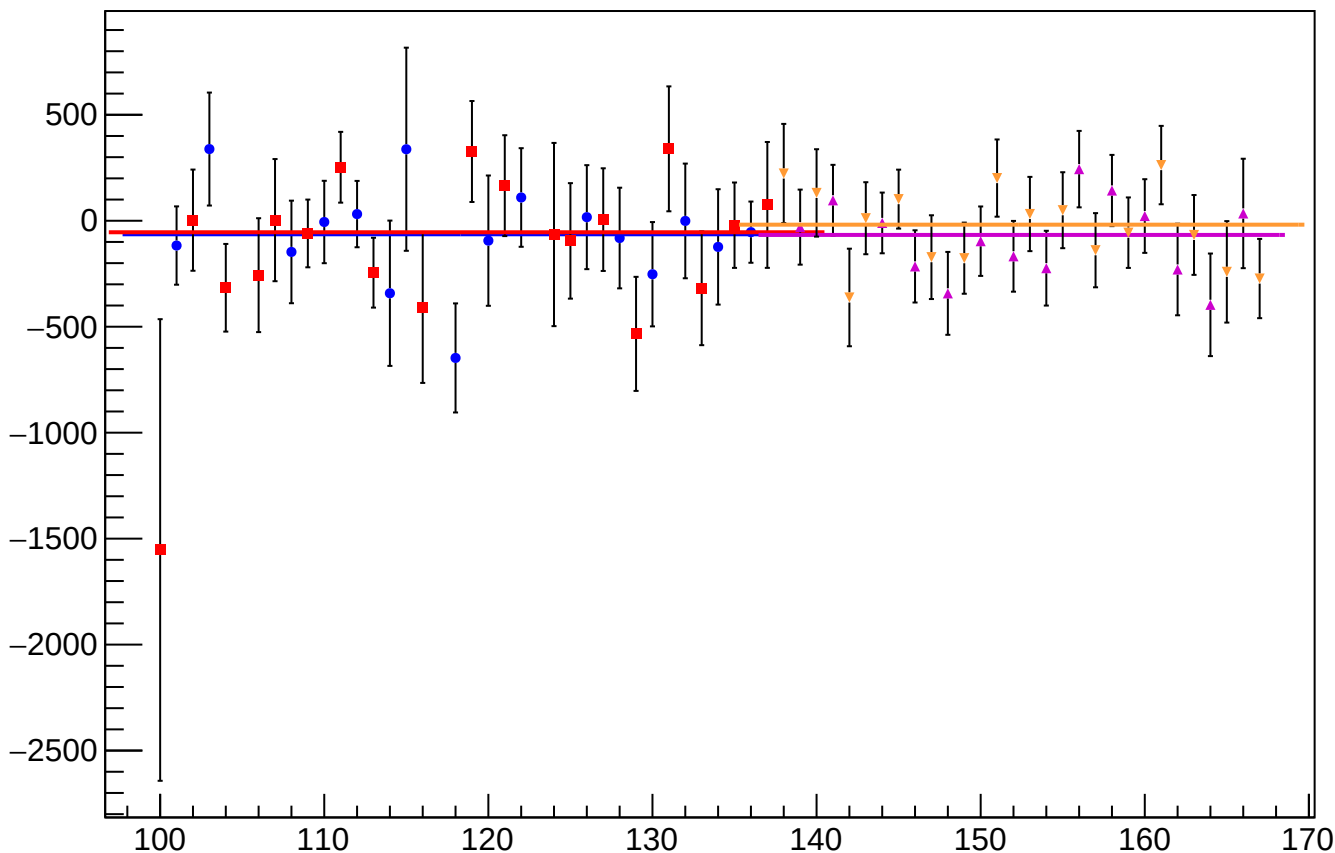
Left In: 1150.454+/-0.243 χ^2 /NDF: 447740.2/13

+ sign 1189.843+/-0.194 χ^2 /NDF: 1968527.7/31

All: 1183.378+/-0.138 χ^2 /NDF: 3857118.1/64

- sign 1176.771+/-0.196 χ^2 /NDF: 1886351.4/32

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778 ± 56.734 χ^2/NDF : 10.8/15

Left Out: -18.503 ± 45.922 χ^2/NDF : 13.4/15

Right Out: -54.304 ± 54.743 χ^2/NDF : 19.5/18

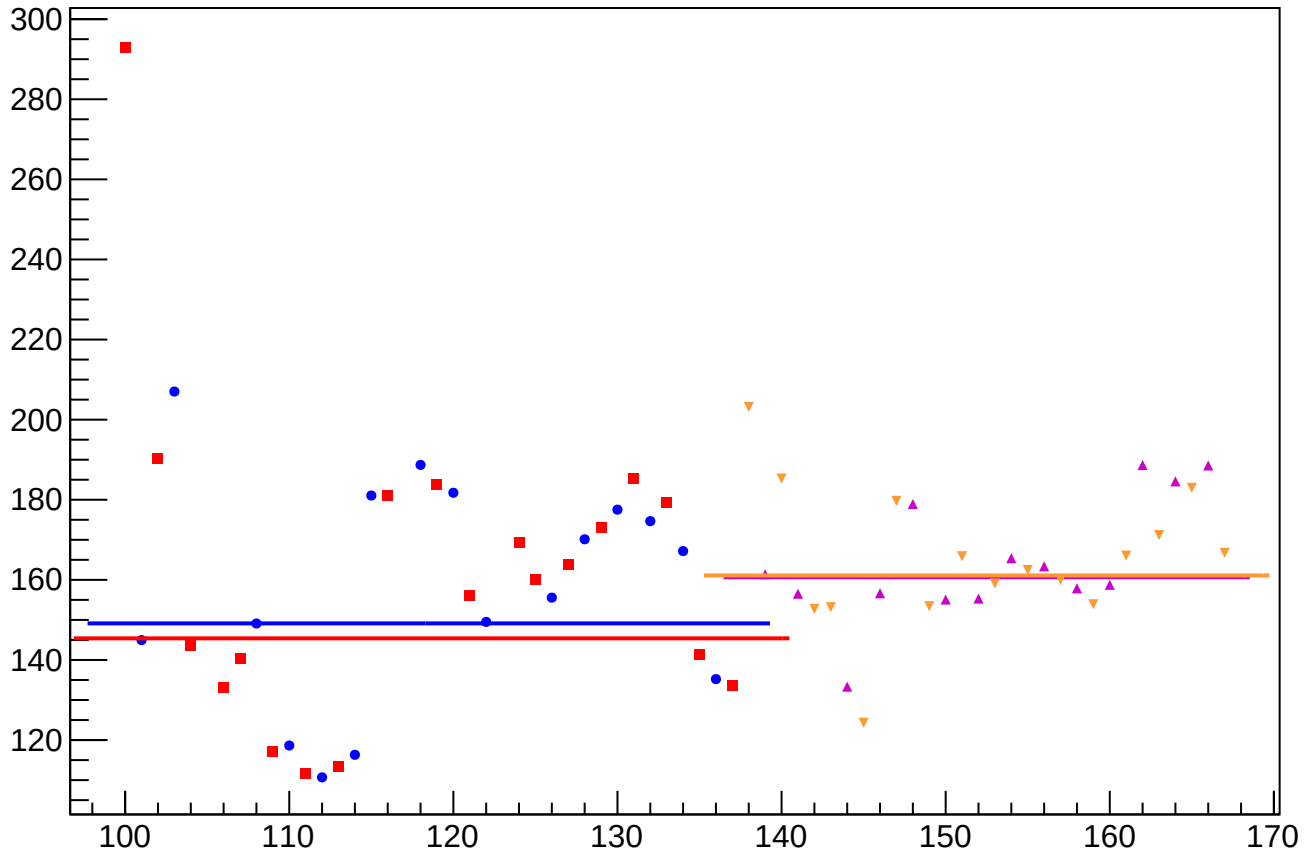
Left In: -66.897 ± 47.950 χ^2/NDF : 12.4/13

+ sign -36.425 ± 35.694 χ^2/NDF : 24.6/31

All: -48.796 ± 25.371 χ^2/NDF : 56.8/64

- sign -61.430 ± 36.070 χ^2/NDF : 32.0/32

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF : 451005.1/15

Left Out: 161.111+/-0.032 χ^2/NDF : 292171.6/15

Right Out: 145.399+/-0.039 χ^2/NDF : 525822.2/18

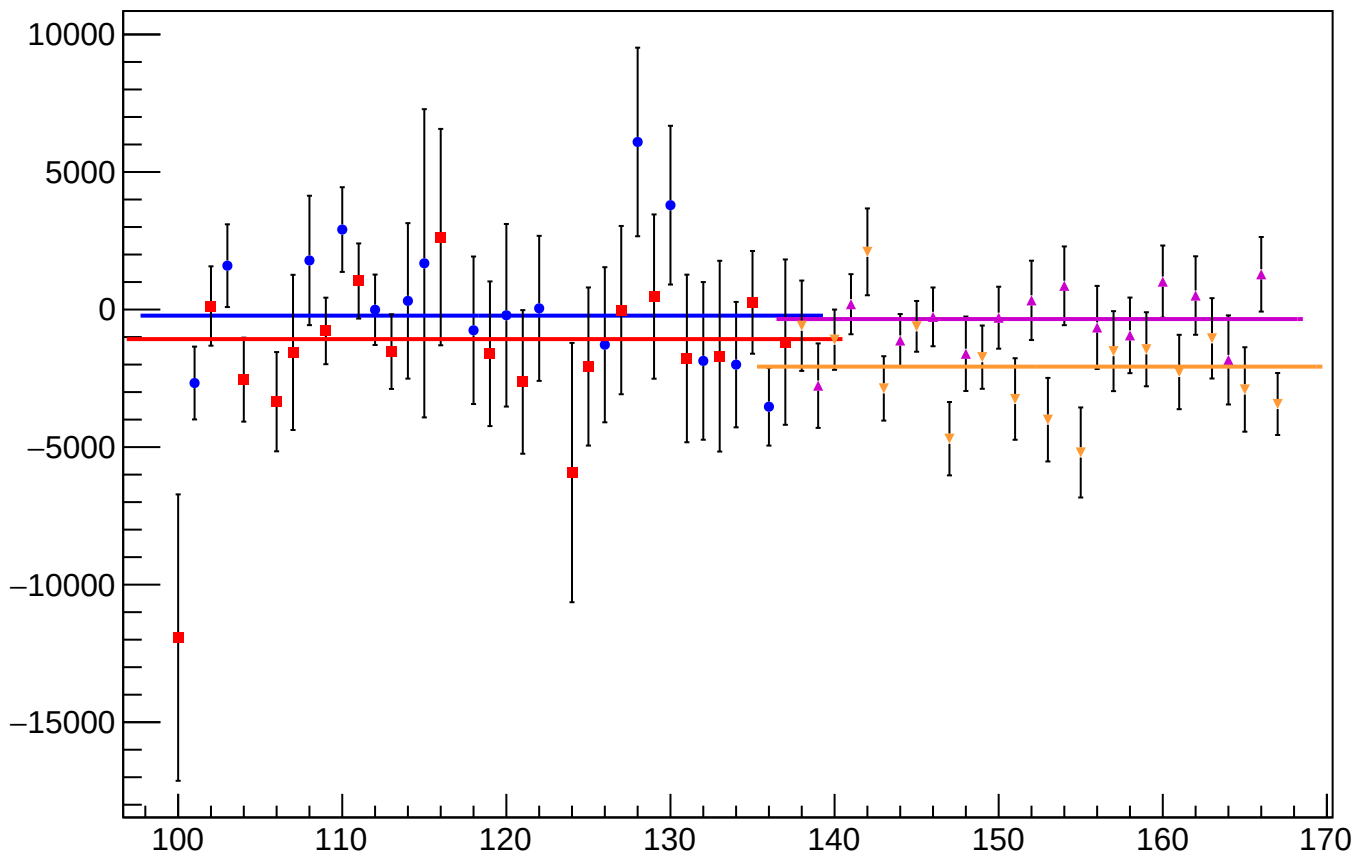
Left In: 160.637+/-0.034 χ^2/NDF : 176090.1/13

+ sign 156.369+/-0.025 χ^2/NDF : 797063.2/31

All: 155.207+/-0.018 χ^2/NDF : 1590939.6/64

- sign 154.022+/-0.026 χ^2/NDF : 789597.7/32

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF : 21.9/15

Left Out: -2074.664+/-327.109 χ^2/NDF : 24.0/15

Right Out: -1074.432+/-472.816 χ^2/NDF : 13.6/18

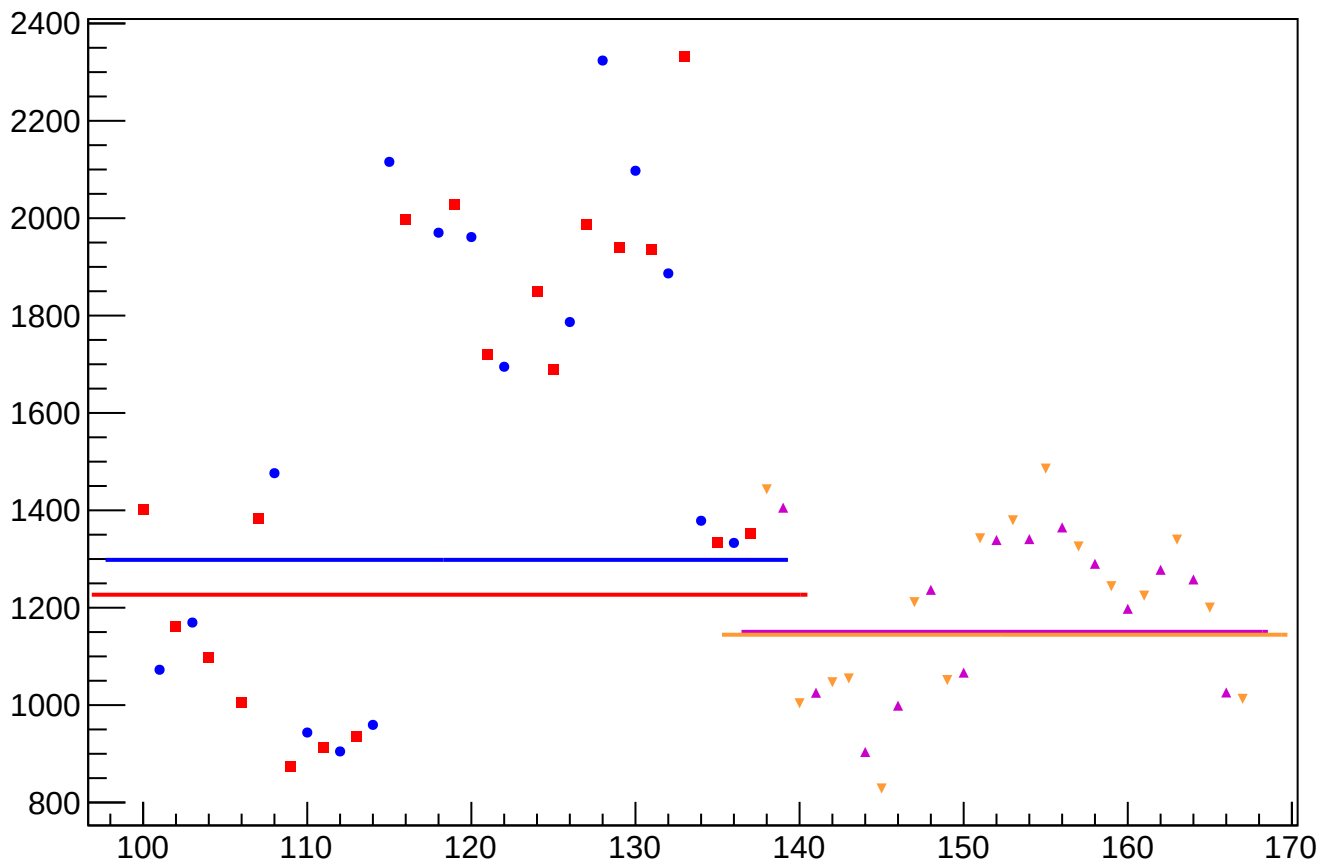
Left In: -345.389+/-343.174 χ^2/NDF : 9.1/13

+ sign -1528.696+/-274.738 χ^2/NDF : 55.4/31

All: -1067.860+/-195.319 χ^2/NDF : 85.4/64

- sign -596.933+/-277.730 χ^2/NDF : 24.3/32

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292 $\pm$ 0.358 χ^2/NDF : 1182127.2/15

Left Out: 1144.554 $\pm$ 0.231 χ^2/NDF : 656274.3/15

Right Out: 1226.727 $\pm$ 0.334 χ^2/NDF : 1404524.7/18

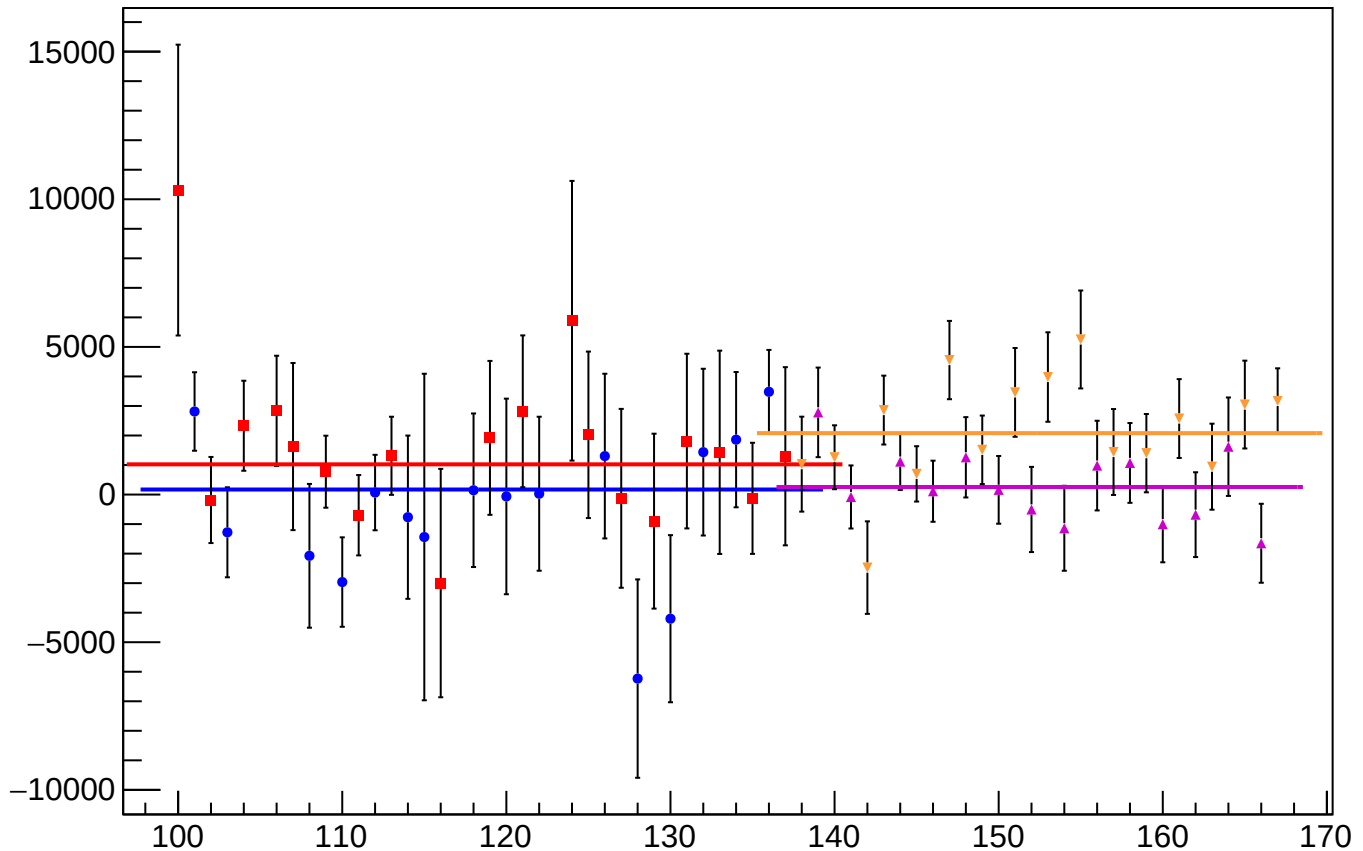
Left In: 1150.453 $\pm$ 0.243 χ^2/NDF : 447739.4/13

+ sign 1189.841 $\pm$ 0.194 χ^2/NDF : 1968536.9/31

All: 1183.376 $\pm$ 0.138 χ^2/NDF : 3857129.3/64

- sign 1176.770 $\pm$ 0.196 χ^2/NDF : 1886353.5/32

asym_sam_48_avg_mean vs Slug



Right In: 171.056 $\pm$ 505.136 χ^2 /NDF: 22.6/15

Left Out: 2080.746 $\pm$ 325.852 χ^2 /NDF:24.4/15

Right Out: 1023.699 $\pm$ 472.008 χ^2 /NDF: 11.6/18

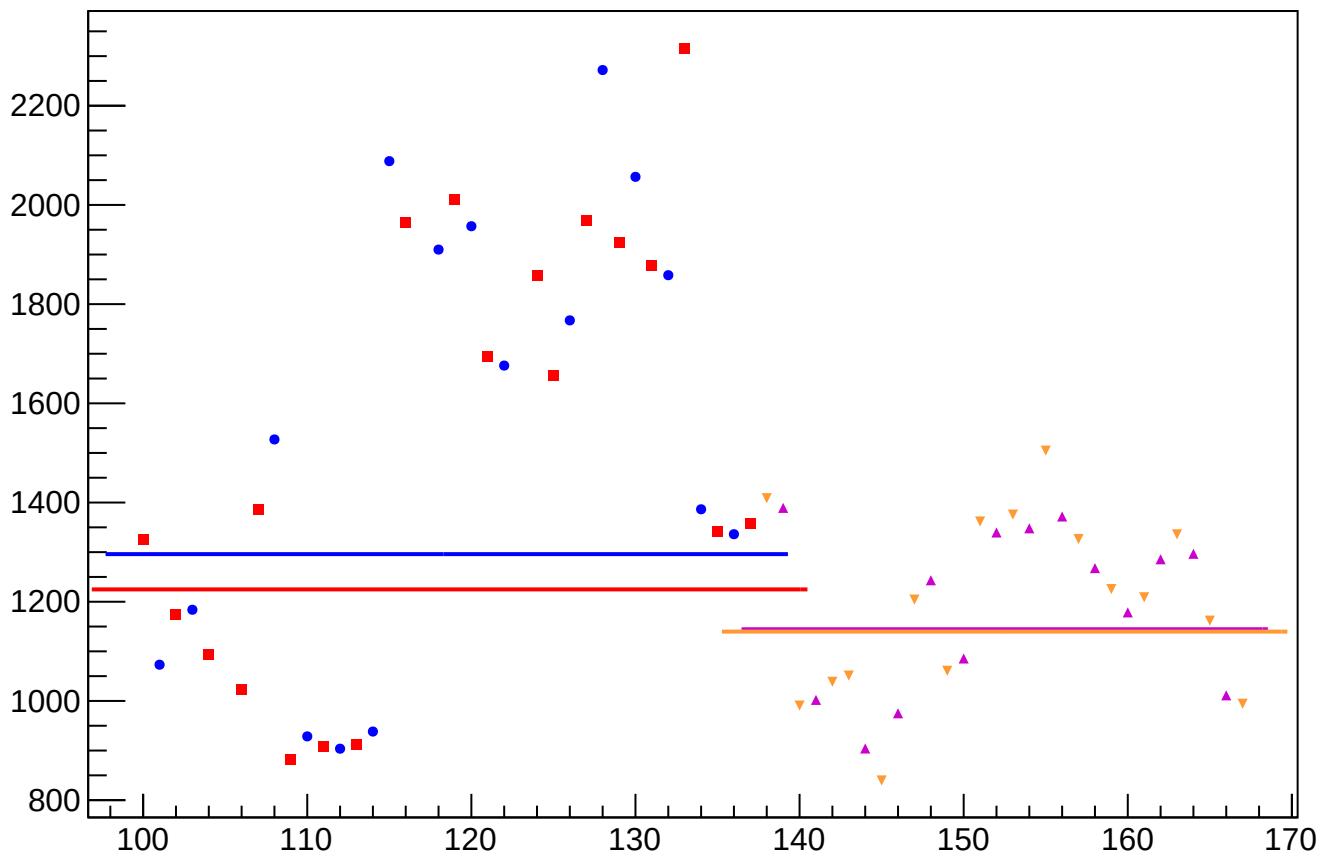
Left In: 256.511 $\pm$ 341.515 χ^2 /NDF:10.1/13

+ sign 1519.587 $\pm$ 273.823 χ^2 /NDF: 57.1/31

All: 1025.057 $\pm$ 194.627 χ^2 /NDF: 87.1/64

- sign 520.131 $\pm$ 276.686 χ^2 /NDF: 23.4/32

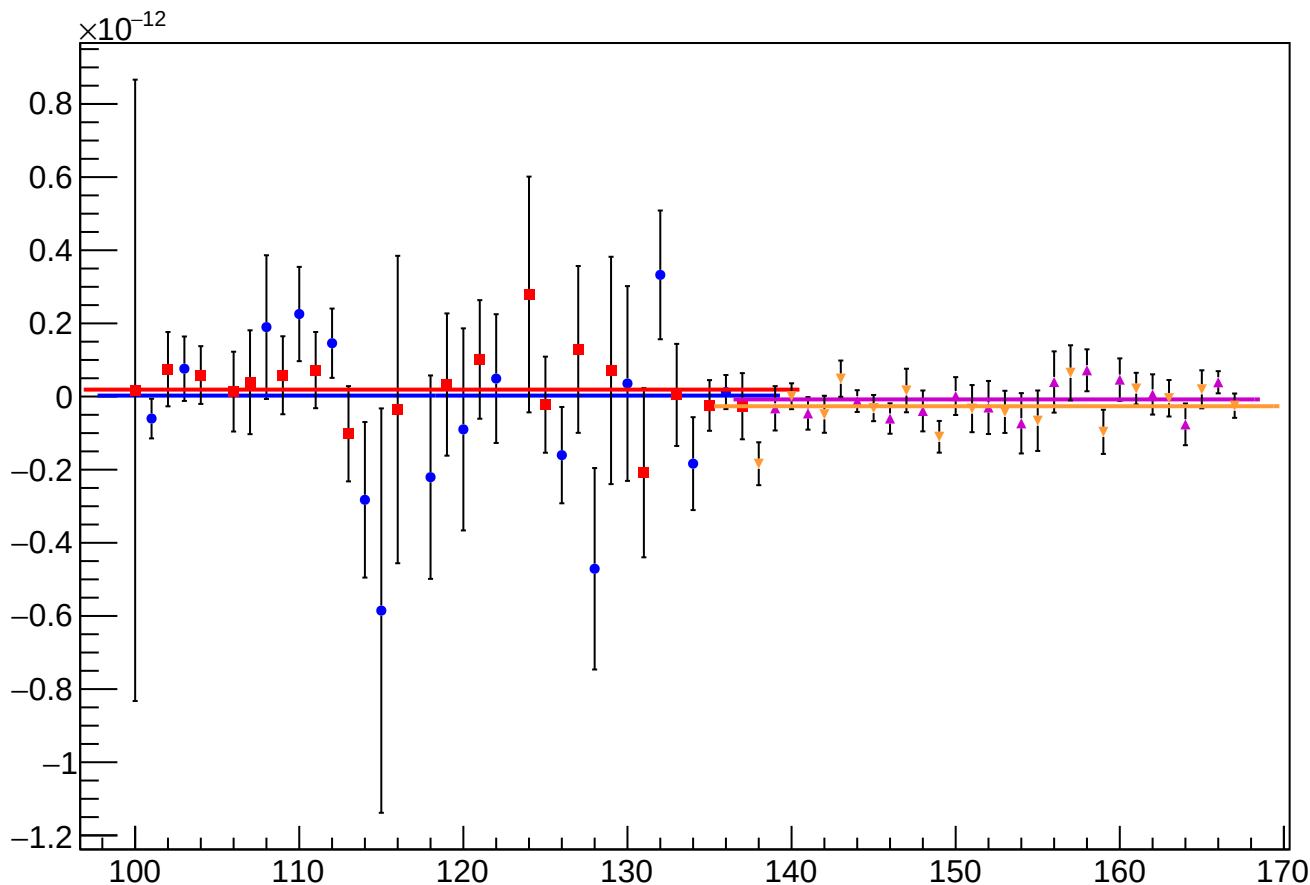
asym_sam_48_avg_rms vs Slug



Right In: 1295.987 $\pm$ 0.357 χ^2 /NDF: 1154185.9/15
 Left Out: 1139.781 $\pm$ 0.230 χ^2 /NDF: 639811.7/15
 Right Out: 1224.872 $\pm$ 0.334 χ^2 /NDF: 1371285.2/18
 Left In: 1144.515 $\pm$ 0.241 χ^2 /NDF: 477010.3/13

+ sign 1185.682 $\pm$ 0.194 χ^2 /NDF: 1929052.3/31
 All: 1178.975 $\pm$ 0.138 χ^2 /NDF: 3817821.3/64
 - sign 1172.127 $\pm$ 0.196 χ^2 /NDF: 1886344.0/32

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 : 19.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4.7/18

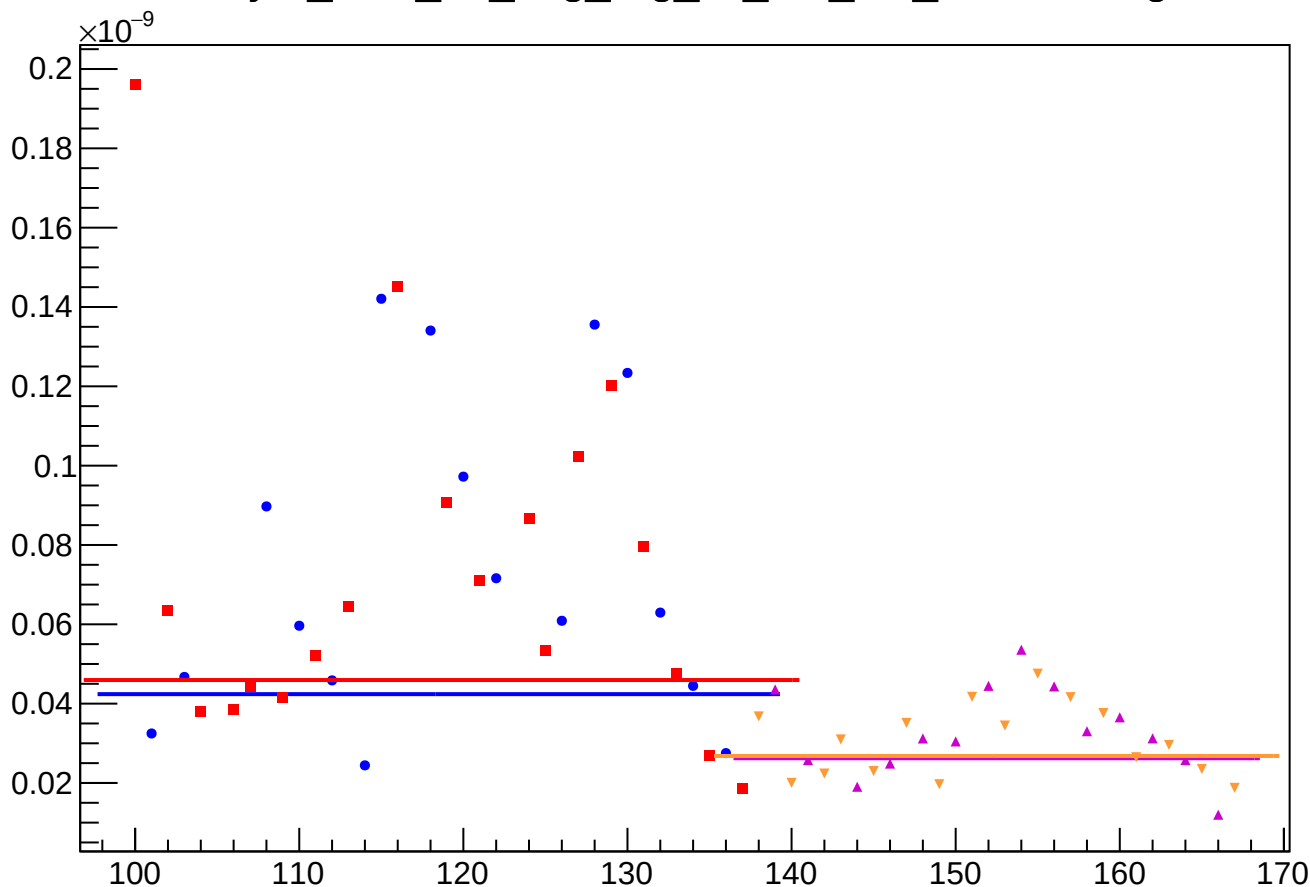
Left In: -0.000+/-0.000 χ^2/NDF : 10.6/13

+ sign -0.000+/-0.000 χ^2/NDF : 43.0/31

All: -0.000+/-0.000 χ^2/NDF : 60.4/64

- sign -0.000+/-0.000 χ^2/NDF : 16.0/32

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 : 817852.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1118551.4/18

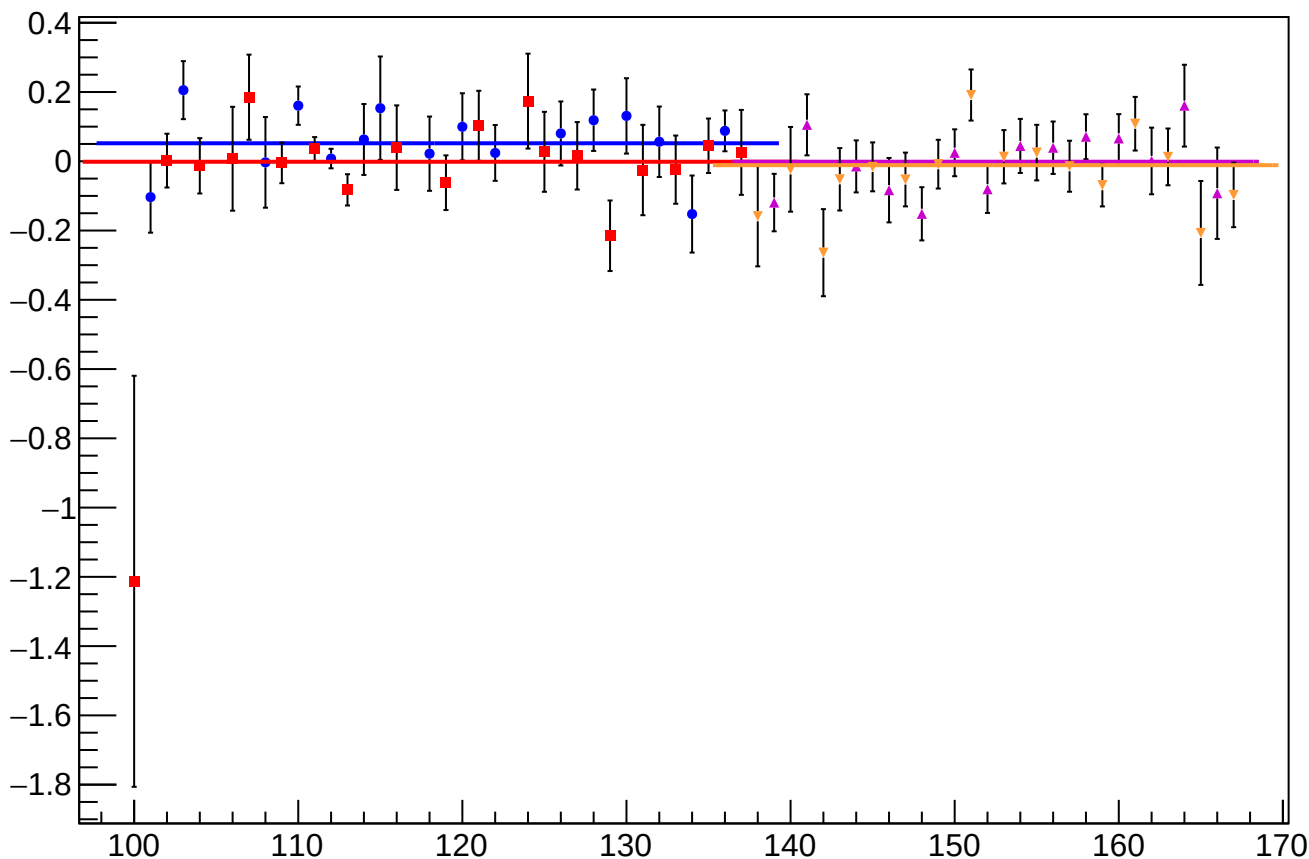
Left In: 0.000+/-0.000 χ^2/NDF : 1301722.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 2720143.9/31

All: 0.000+/-0.000 χ^2/NDF : 5917234.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3197039.5/32

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2 /NDF: 18.0/15

Left Out: -0.011 $\pm$ 0.021 χ^2 /NDF: 19.3/15

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

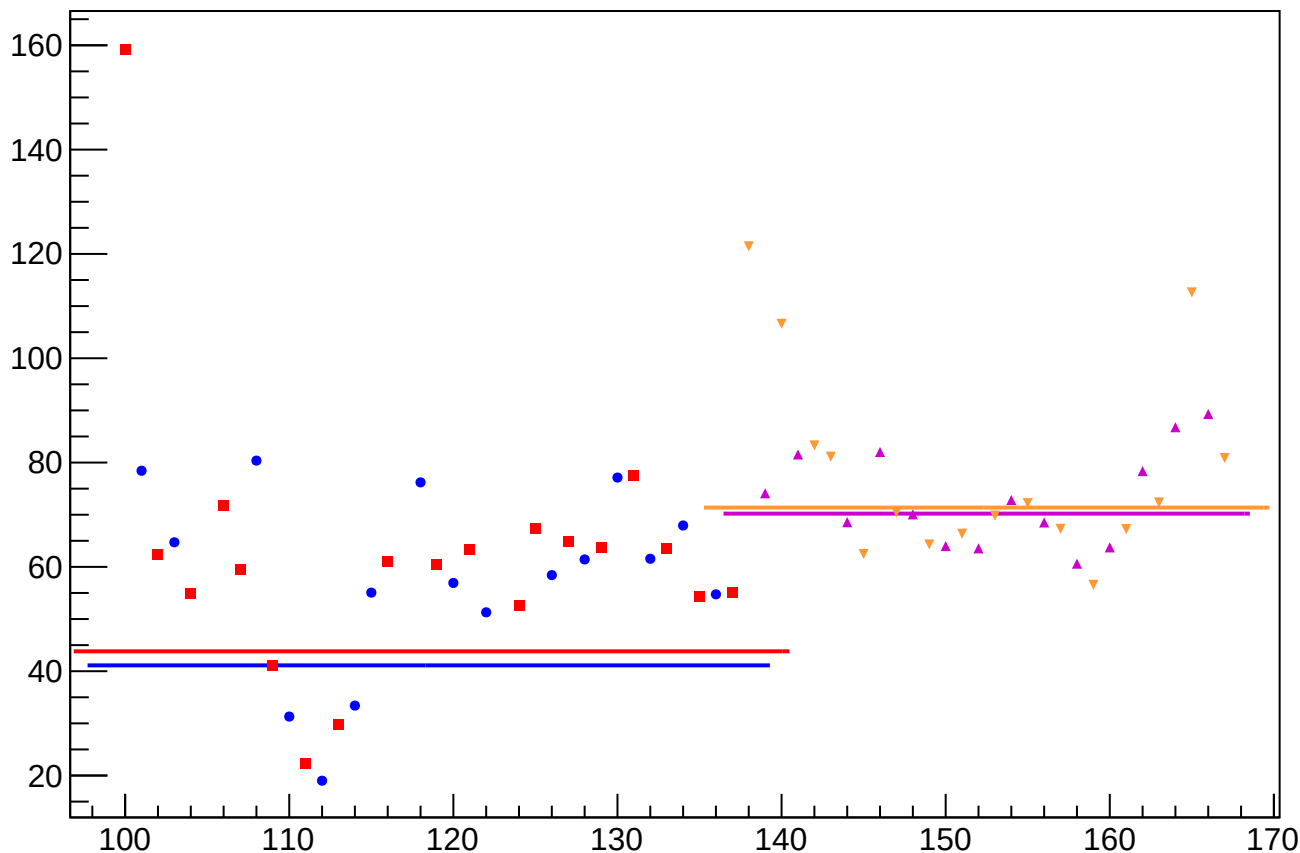
Left In: -0.001 $\pm$ 0.021 χ^2 /NDF: 14.8/13

+ sign 0.025 $\pm$ 0.014 χ^2 /NDF: 42.6/31

All: 0.012 $\pm$ 0.010 χ^2 /NDF: 78.6/64

- sign -0.001 $\pm$ 0.014 χ^2 /NDF: 34.0/32

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: 71.368 $\pm$ 0.015 χ^2 /NDF: 809842.1/15

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048452.0/18

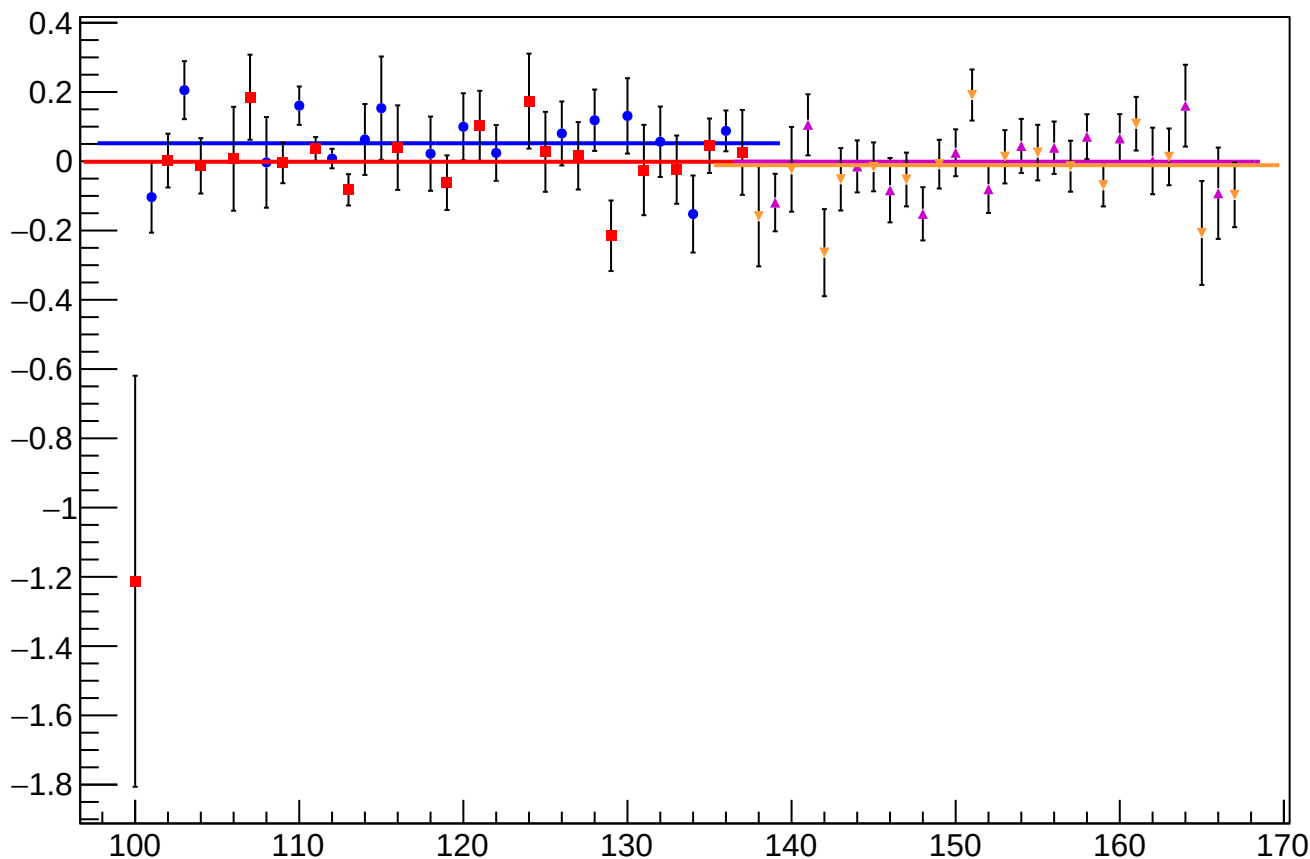
Left In: 70.213 $\pm$ 0.015 χ^2 /NDF: 266275.2/13

+ sign 53.854 $\pm$ 0.010 χ^2 /NDF: 6174047.8/31

All: 54.272 $\pm$ 0.007 χ^2 /NDF: 10281753.4/64

- sign 54.704 $\pm$ 0.010 χ^2 /NDF: 4103816.9/32

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: -0.011 $\pm$ 0.021 χ^2 /NDF: 19.3/15

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

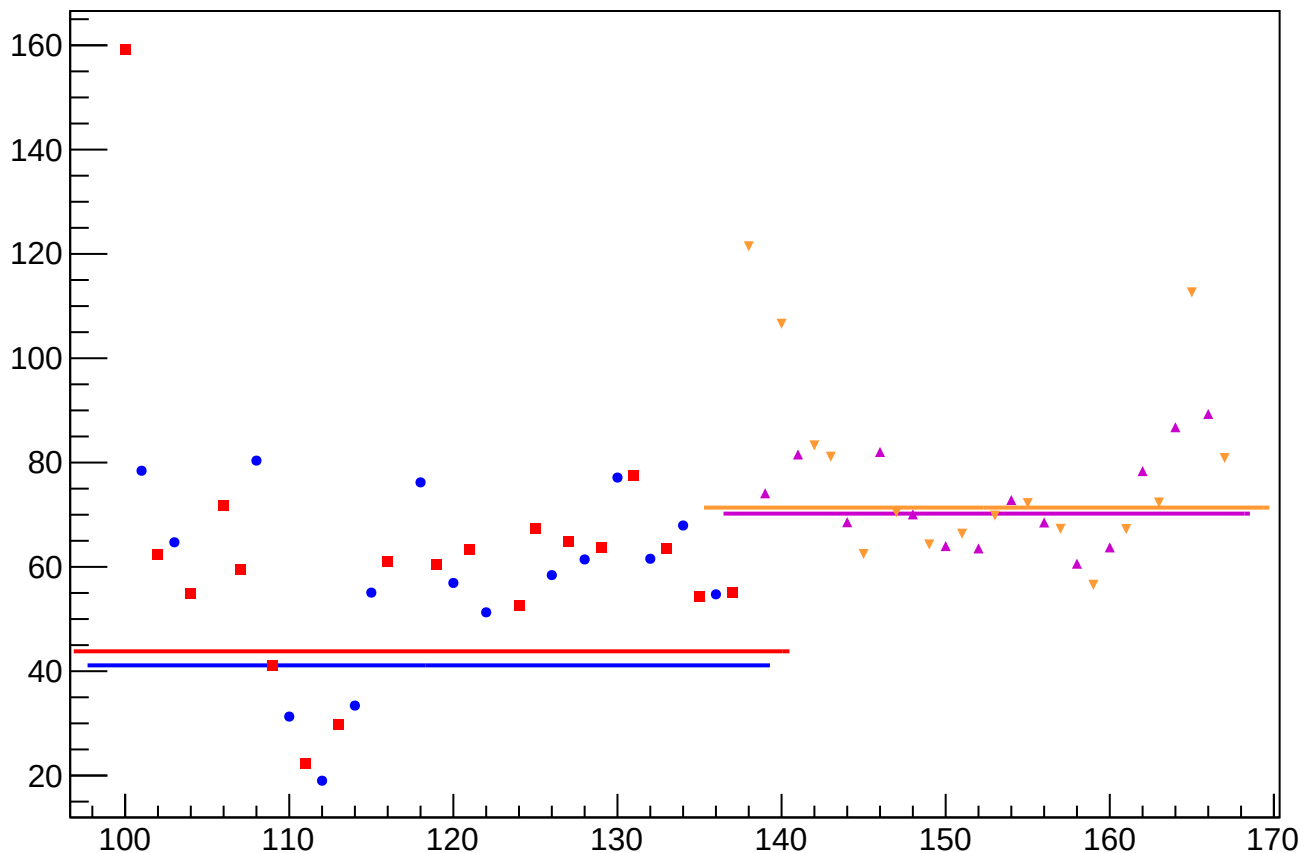
Left In: -0.001 $\pm$ 0.021 χ^2 /NDF: 14.8/13

+ sign 0.025 $\pm$ 0.014 χ^2 /NDF: 42.6/31

All: 0.012 $\pm$ 0.010 χ^2 /NDF: 78.6/64

- sign -0.001 $\pm$ 0.014 χ^2 /NDF: 34.0/32

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120 $\pm$ 0.013 χ^2/NDF : 2925302.3/15

Left Out: 71.368 $\pm$ 0.015 χ^2/NDF : 809842.1/15

Right Out: 43.813 $\pm$ 0.013 χ^2/NDF : 2048452.0/18

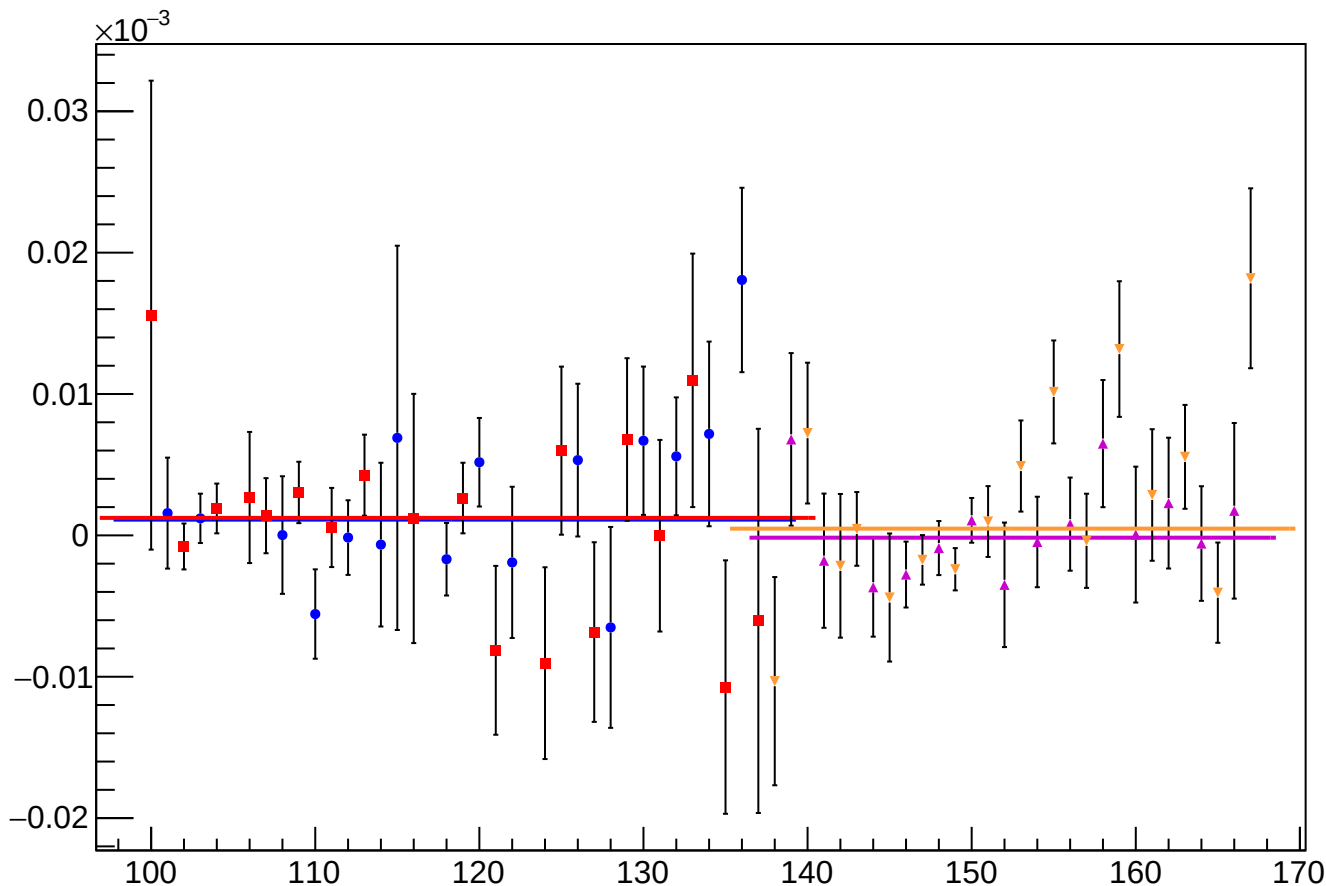
Left In: 70.213 $\pm$ 0.015 χ^2/NDF : 266275.2/13

+ sign 53.854 $\pm$ 0.010 χ^2/NDF : 6174047.8/31

All: 54.272 $\pm$ 0.007 χ^2/NDF : 10281753.4/64

- sign 54.704 $\pm$ 0.010 χ^2/NDF : 4103816.9/32

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:38.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

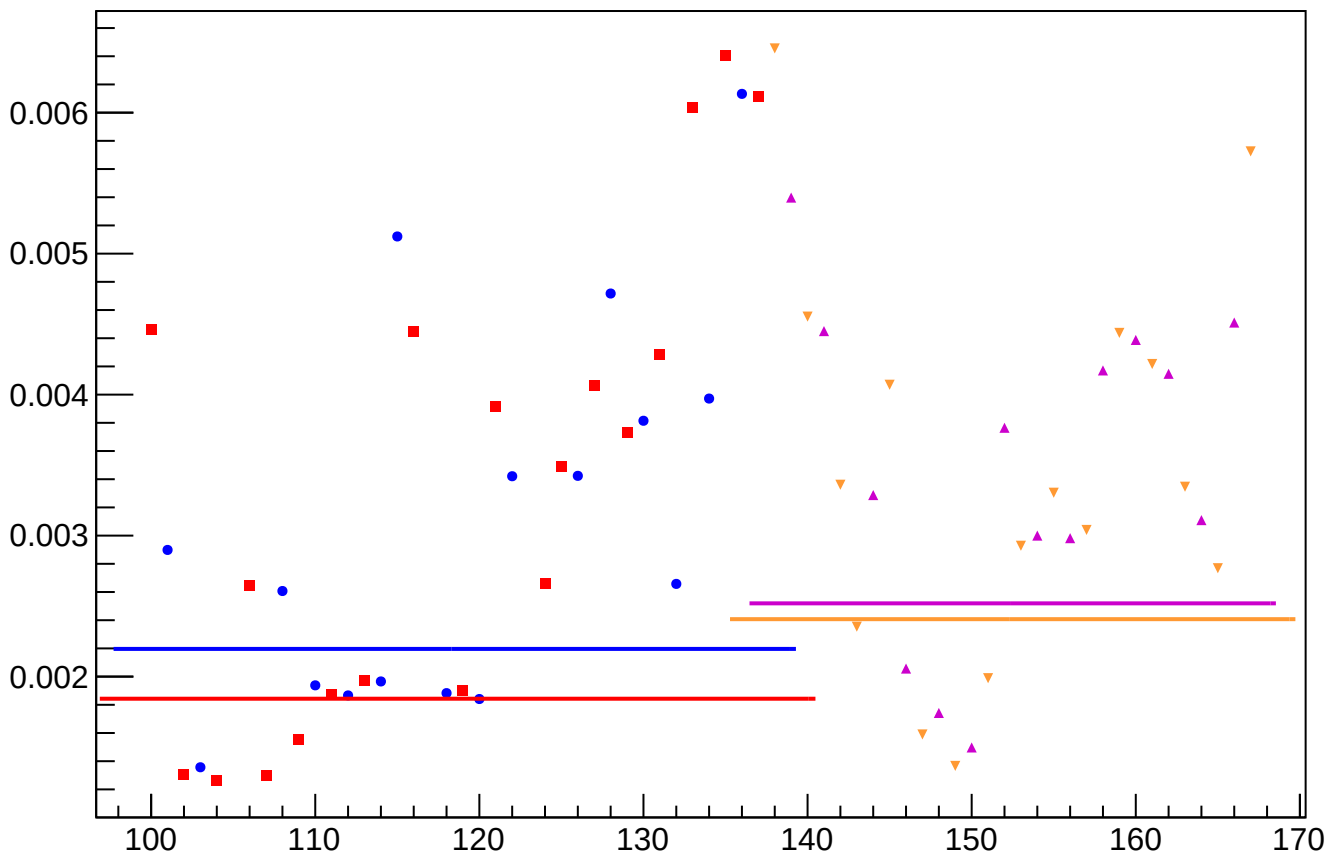
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:7.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.5/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83.7/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/32

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: 0.002+/-0.000 χ^2/NDF : 4377823.4/15

Right Out: 0.002+/-0.000 χ^2/NDF : 3137598.0/18

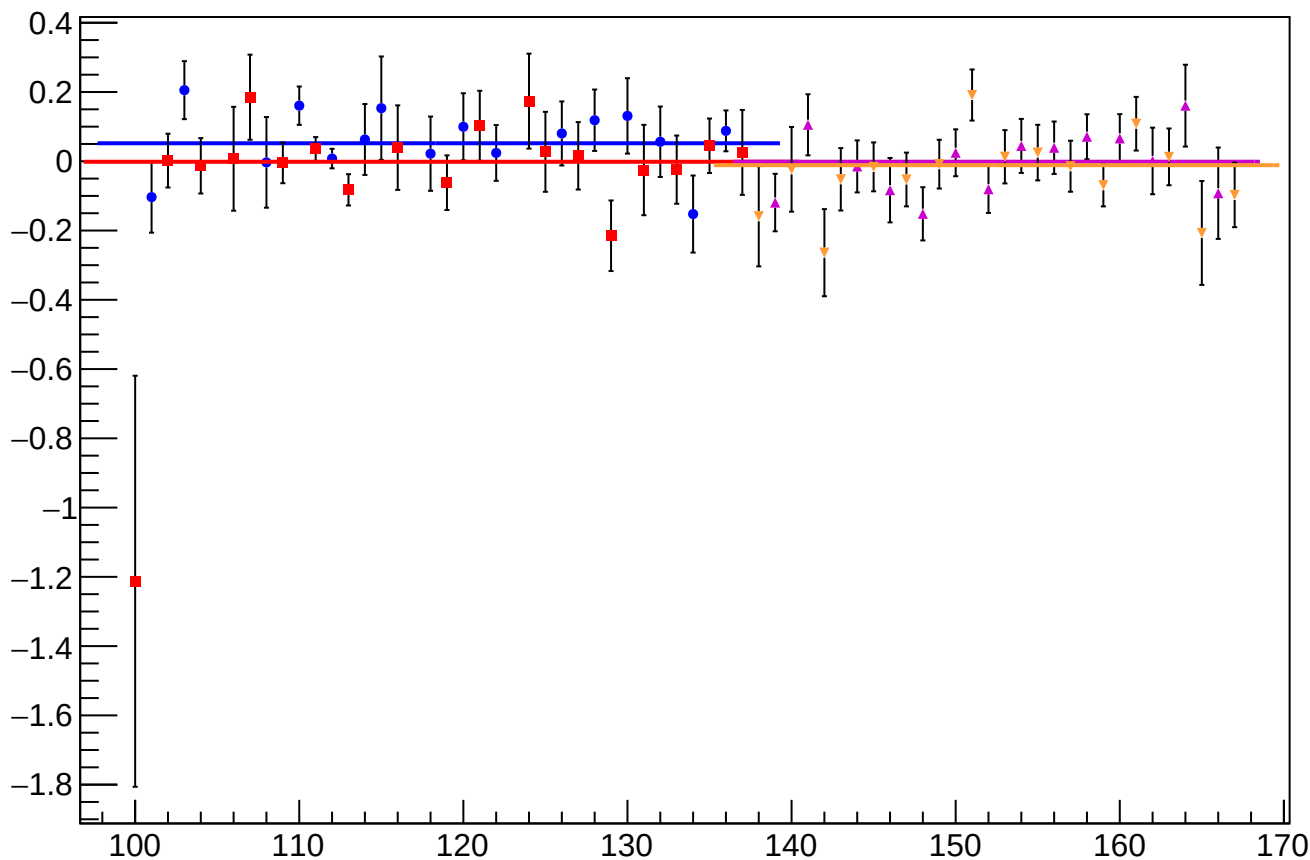
Left In: 0.003+/-0.000 χ^2/NDF : 3427449.6/13

+ sign 0.002+/-0.000 χ^2/NDF : 6734568.3/31

All: 0.002+/-0.000 χ^2/NDF : 14109054.4/64

- sign 0.002+/-0.000 χ^2/NDF : 7290957.7/32

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2 /NDF: 18.0/15

Left Out: -0.011 $\pm$ 0.021 χ^2 /NDF: 19.3/15

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

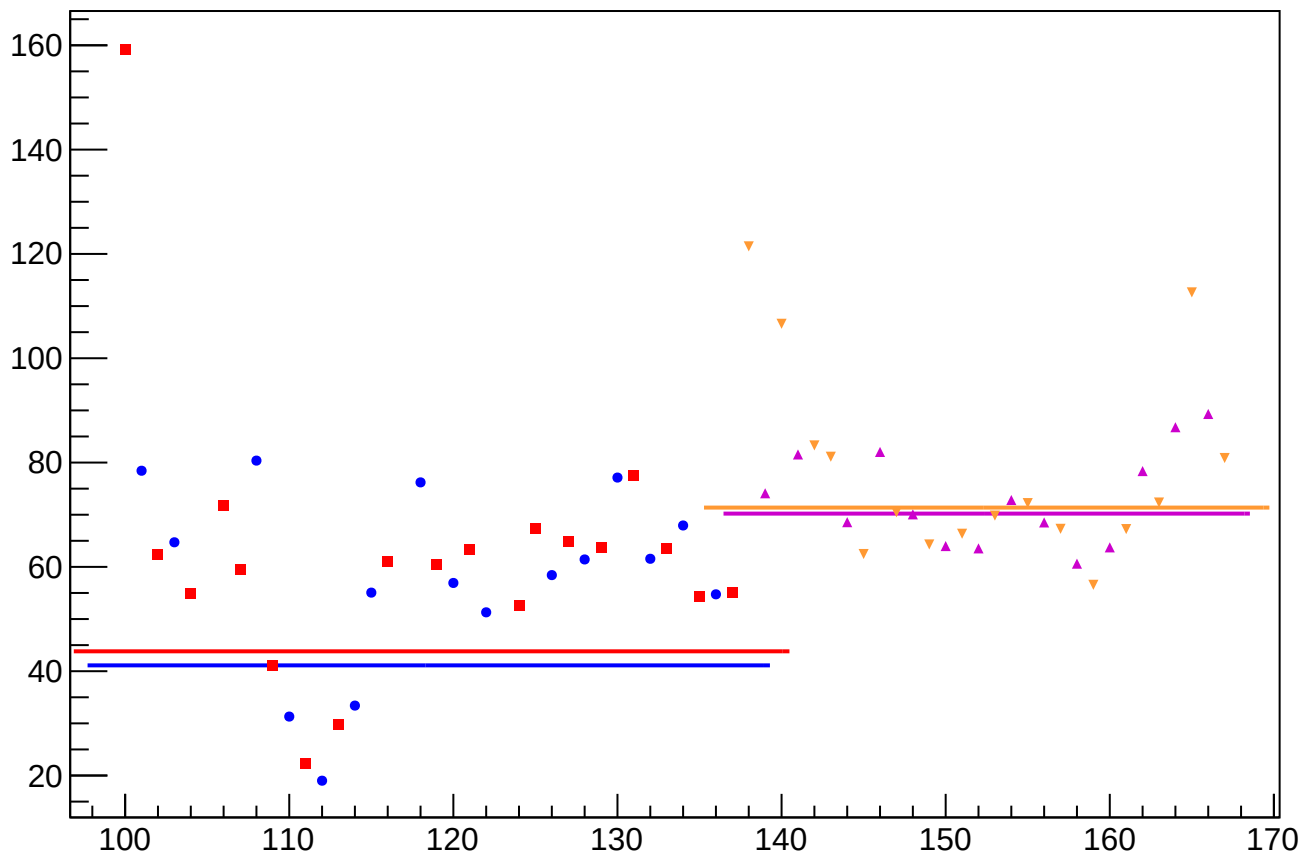
Left In: -0.001 $\pm$ 0.021 χ^2 /NDF: 14.8/13

+ sign 0.025 $\pm$ 0.014 χ^2 /NDF: 42.6/31

All: 0.012 $\pm$ 0.010 χ^2 /NDF: 78.6/64

- sign -0.001 $\pm$ 0.014 χ^2 /NDF: 34.0/32

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF : 2925464.8/15

Left Out: 71.369+/-0.015 χ^2/NDF : 809816.9/15

Right Out: 43.813+/-0.013 χ^2/NDF : 2048627.9/18

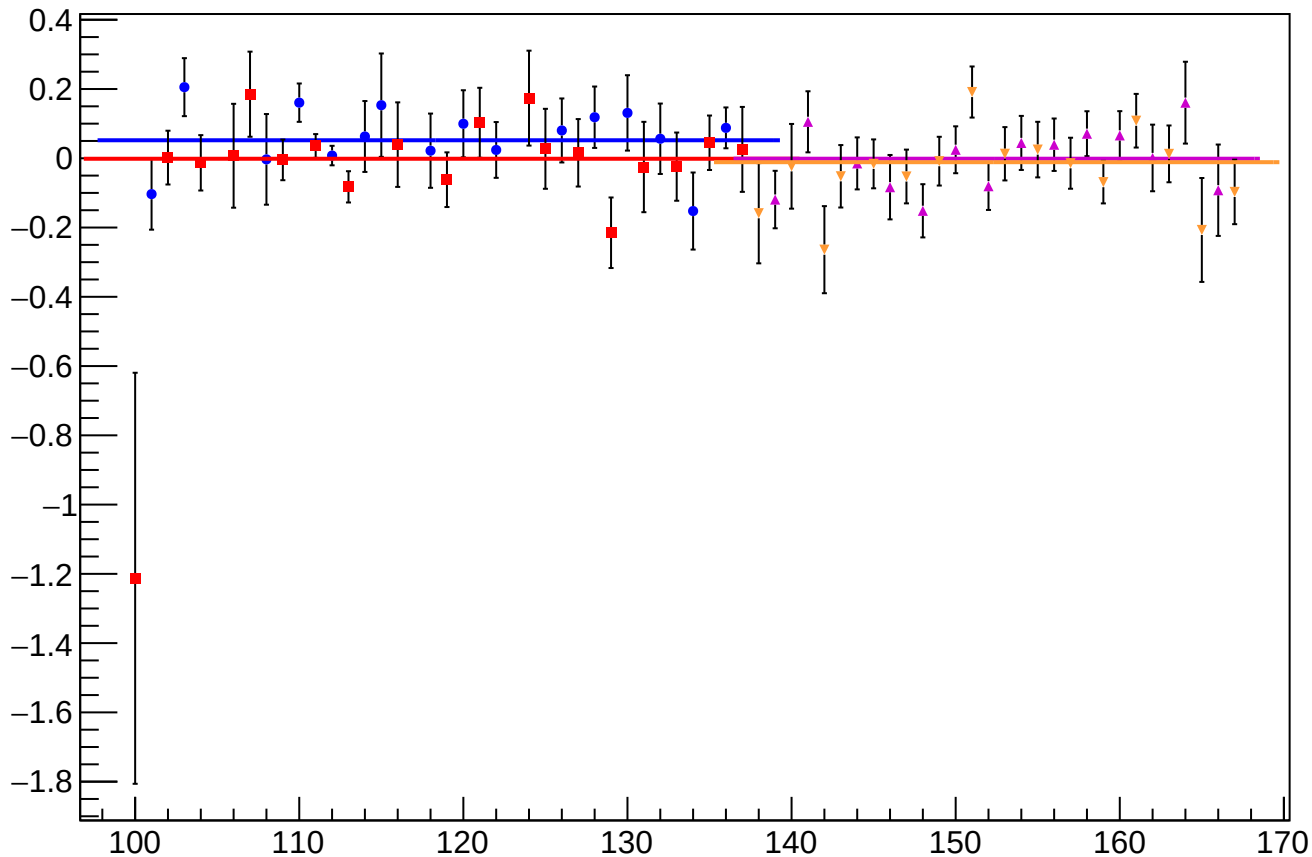
Left In: 70.214+/-0.015 χ^2/NDF : 266271.8/13

+ sign 53.853+/-0.010 χ^2/NDF : 6174450.6/31

All: 54.271+/-0.007 χ^2/NDF : 10282546.0/64

- sign 54.703+/-0.010 χ^2/NDF : 4104206.0/32

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: -0.011 ± 0.021 χ^2/NDF : 19.3/15

Right Out: -0.001 ± 0.018 χ^2/NDF : 19.2/18

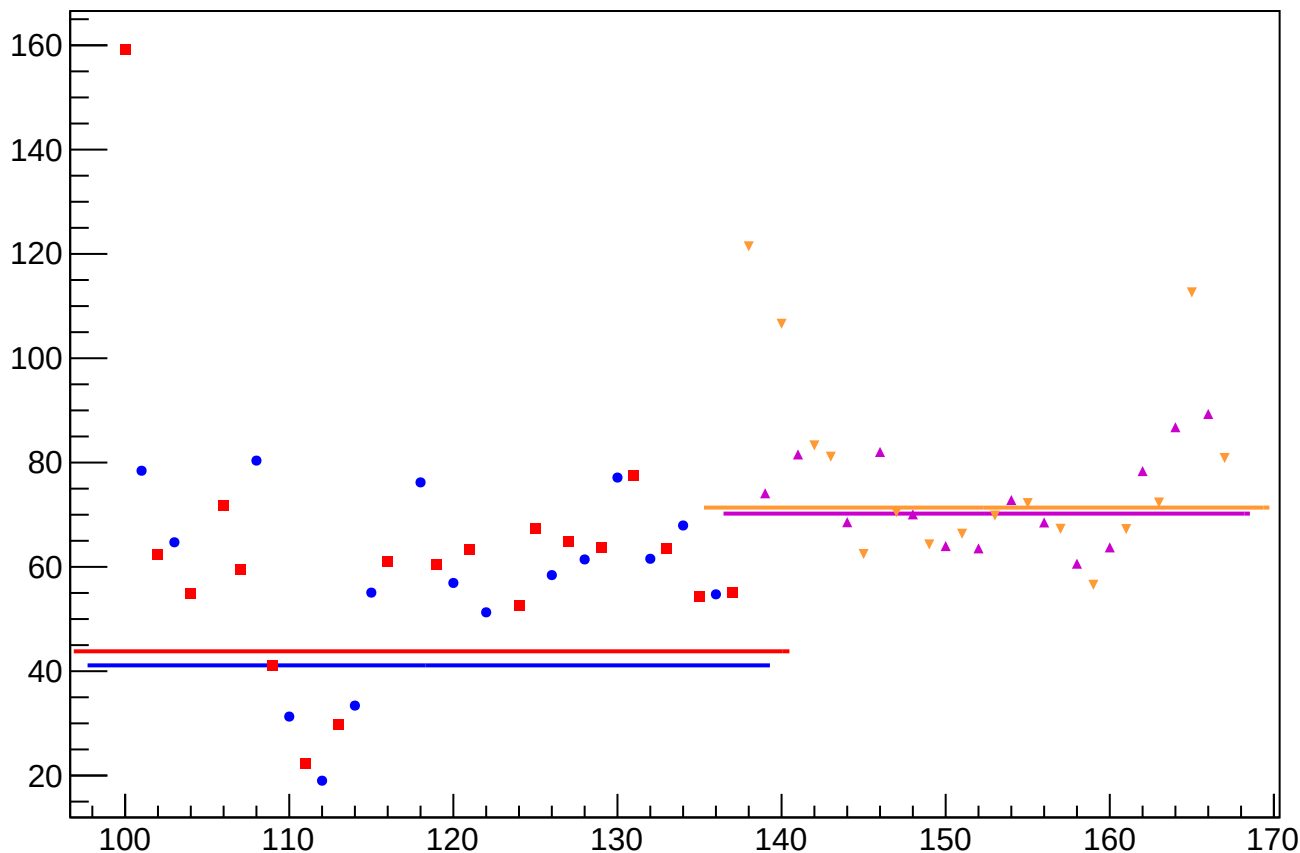
Left In: -0.001 ± 0.021 χ^2/NDF : 14.8/13

+ sign 0.025 ± 0.014 χ^2/NDF : 42.6/31

All: 0.012 ± 0.010 χ^2/NDF : 78.6/64

- sign -0.001 ± 0.014 χ^2/NDF : 34.0/32

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: 71.369 $\pm$ 0.015 χ^2 /NDF: 809816.9/15

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048627.9/18

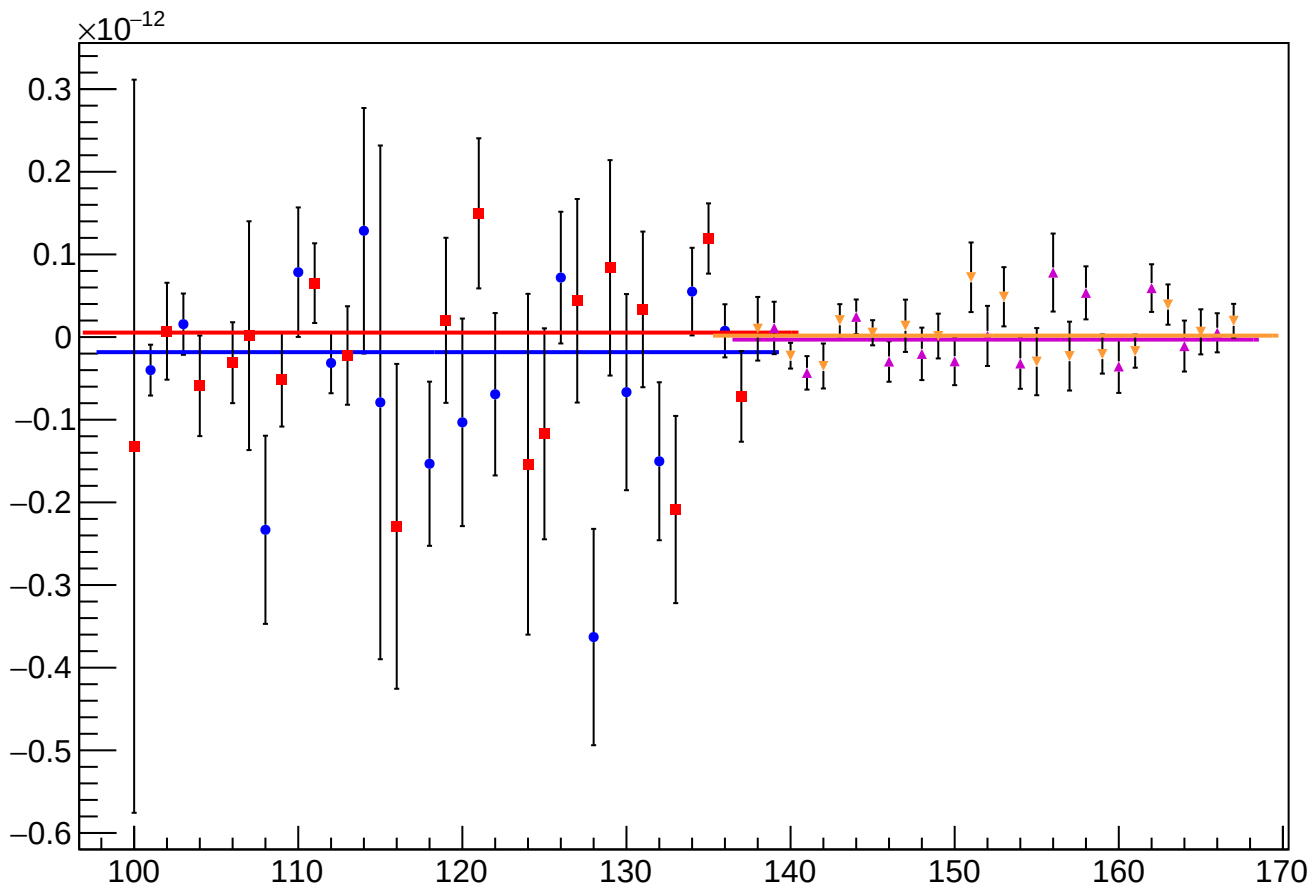
Left In: 70.214 $\pm$ 0.015 χ^2 /NDF: 266271.8/13

+ sign 53.853 $\pm$ 0.010 χ^2 /NDF: 6174450.6/31

All: 54.271 $\pm$ 0.007 χ^2 /NDF: 10282546.0/64

- sign 54.703 $\pm$ 0.010 χ^2 /NDF: 4104206.0/32

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: 15.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/18

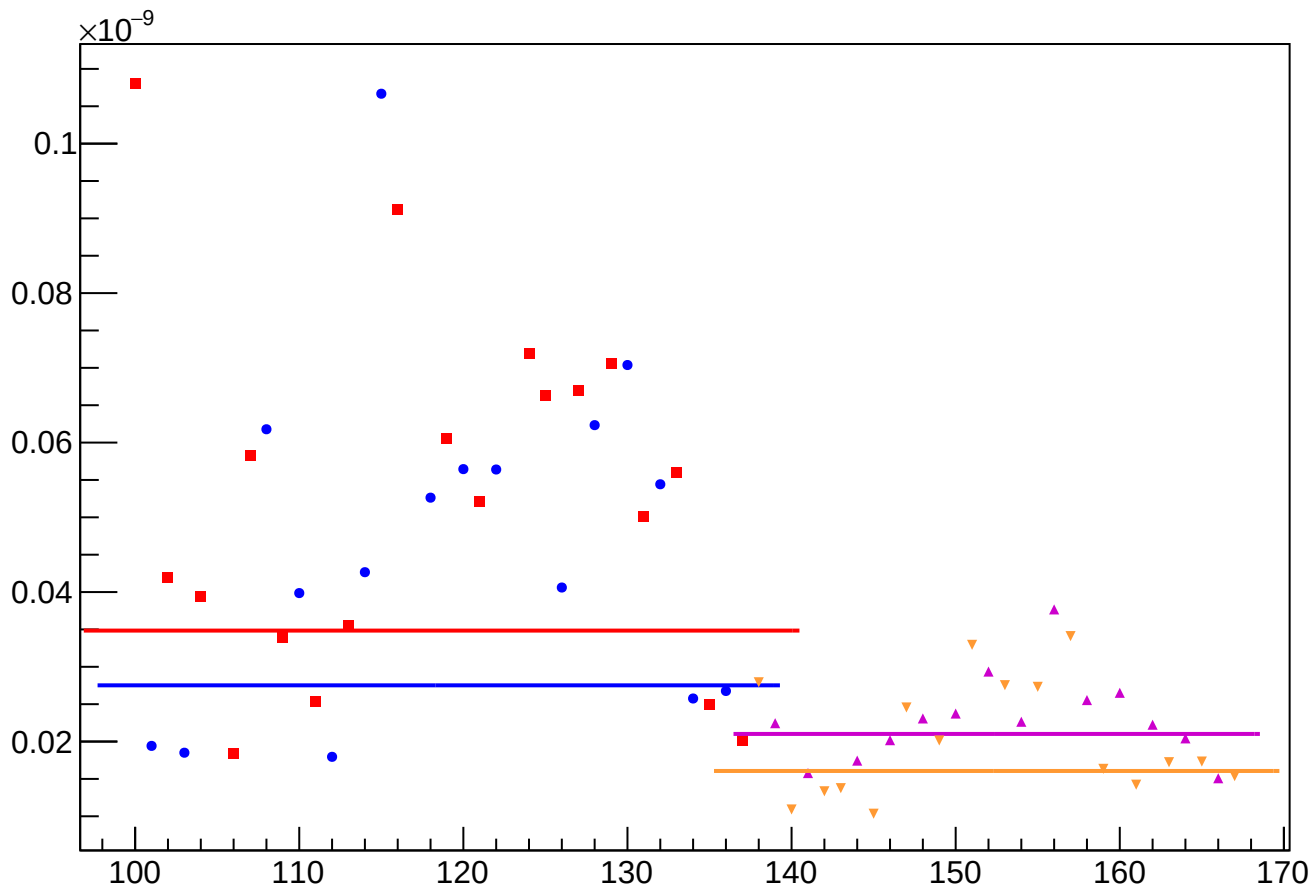
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 40.5/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 85.0/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.5/32

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2012038.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1676246.7/18

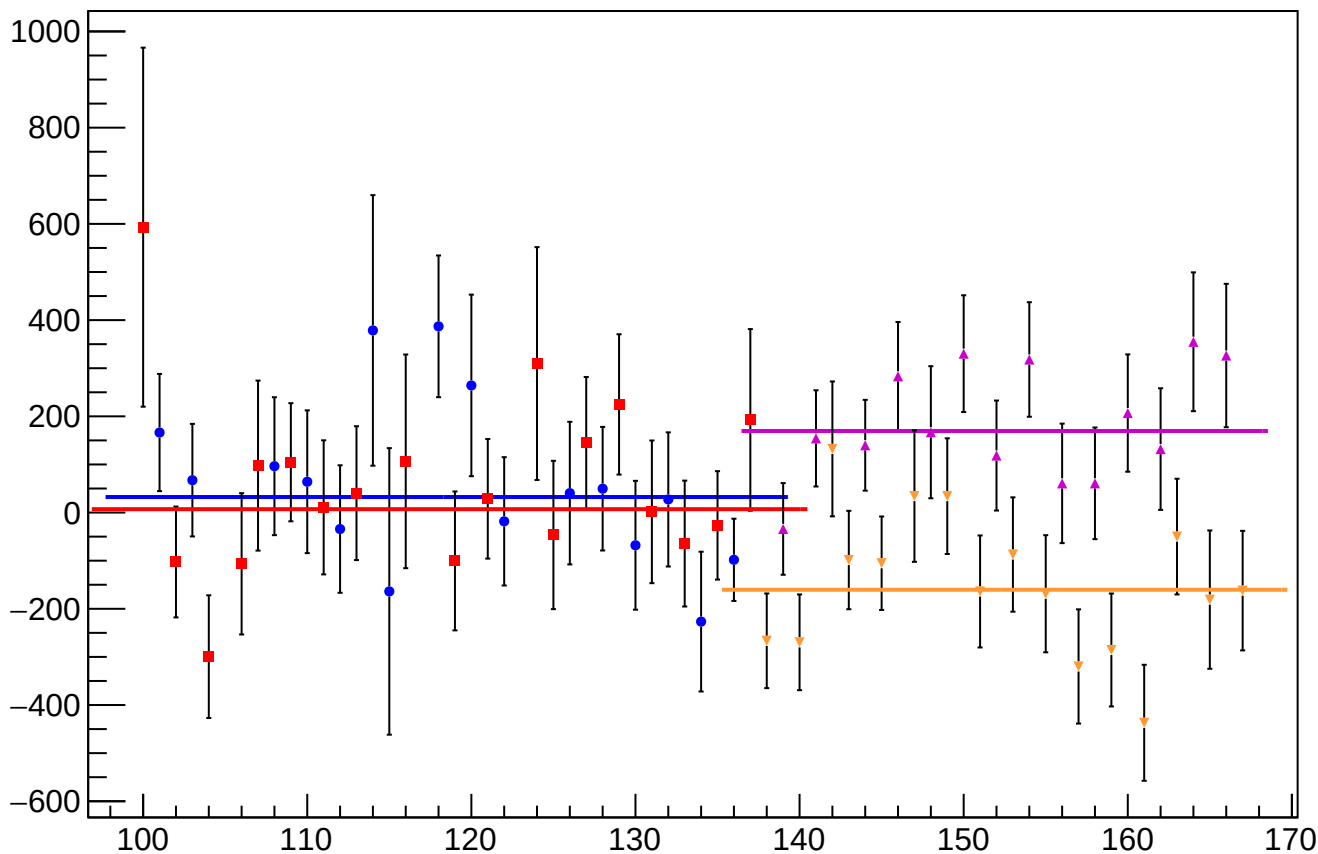
Left In: 0.000+/-0.000 χ^2/NDF : 813800.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 4888850.3/31

All: 0.000+/-0.000 χ^2/NDF : 9324421.7/64

- sign 0.000+/-0.000 χ^2/NDF : 3632929.2/32

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297 ± 34.429 $\chi^2/\text{NDF}: 17.3/15$

Left Out: -160.416 ± 29.033 $\chi^2/\text{NDF}: 21.5/15$

Right Out: 7.070 ± 33.420 $\chi^2/\text{NDF}: 17.8/18$

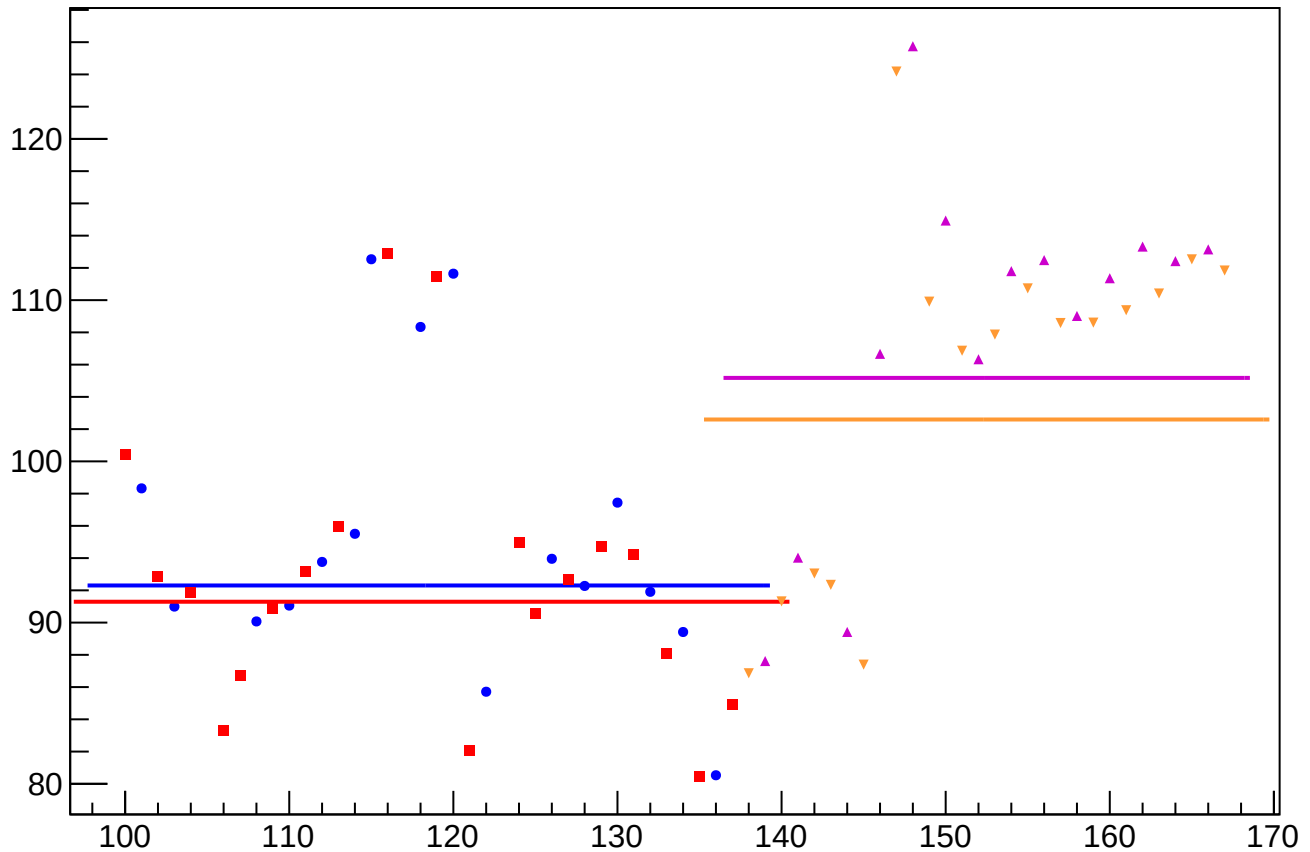
Left In: 169.541 ± 31.140 $\chi^2/\text{NDF}: 13.8/13$

+ sign -80.327 ± 22.195 $\chi^2/\text{NDF}: 57.1/31$

All: 4.575 ± 15.898 $\chi^2/\text{NDF}: 131.4/64$

- sign 94.036 ± 22.783 $\chi^2/\text{NDF}: 44.2/32$

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 102.597 $\pm$ 0.021 χ^2 /NDF: 273831.5/15

Right Out: 91.294 $\pm$ 0.024 χ^2 /NDF: 105096.6/18

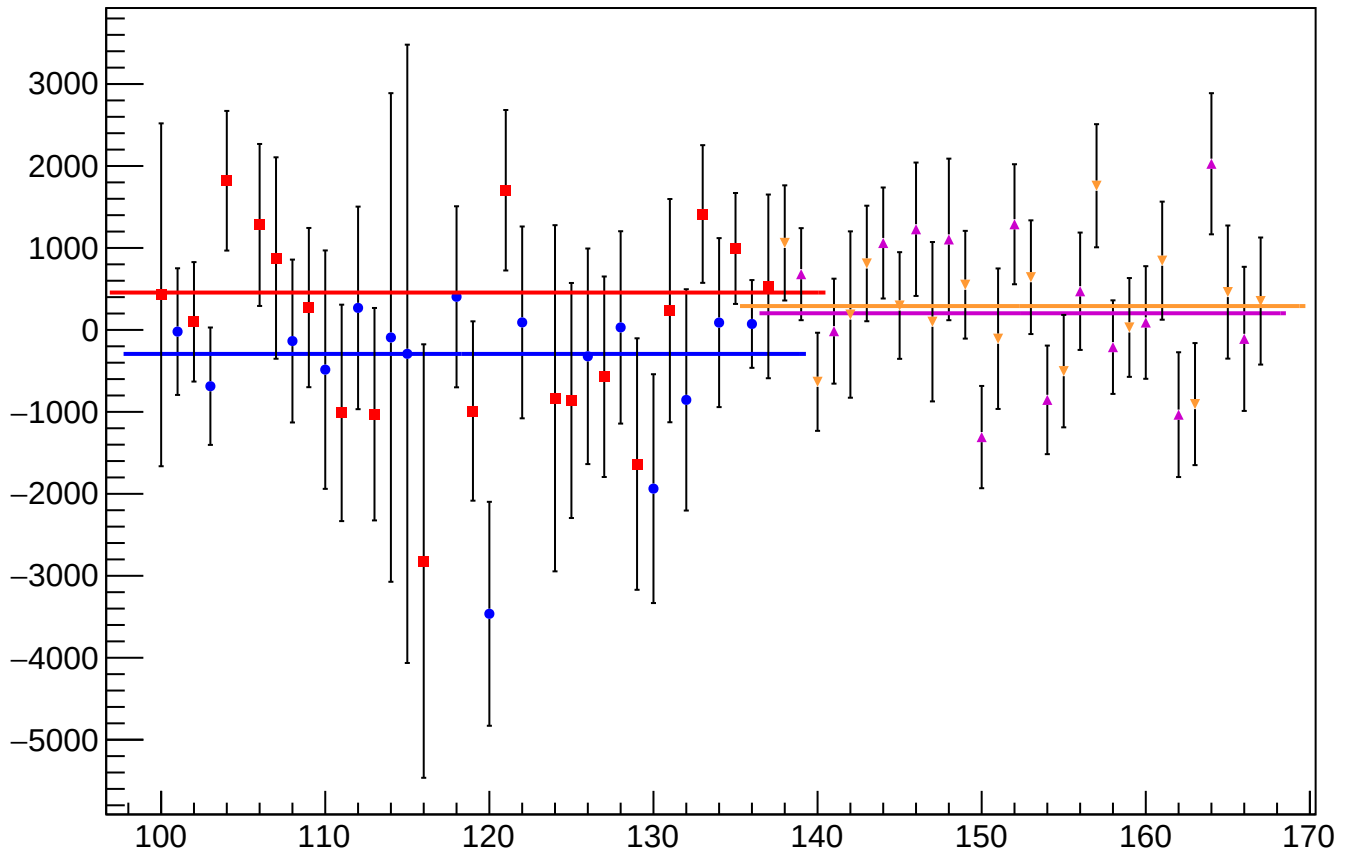
Left In: 105.177 $\pm$ 0.022 χ^2 /NDF: 246532.0/13

+ sign 98.319 $\pm$ 0.016 χ^2 /NDF: 485400.8/31

All: 98.517 $\pm$ 0.011 χ^2 /NDF: 1022106.3/64

- sign 98.725 $\pm$ 0.016 χ^2 /NDF: 536379.3/32

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756 ± 259.692 χ^2/NDF : 8.8/15

Left Out: 291.013 ± 180.964 χ^2/NDF : 13.4/15

Right Out: 455.830 ± 248.717 χ^2/NDF : 16.9/18

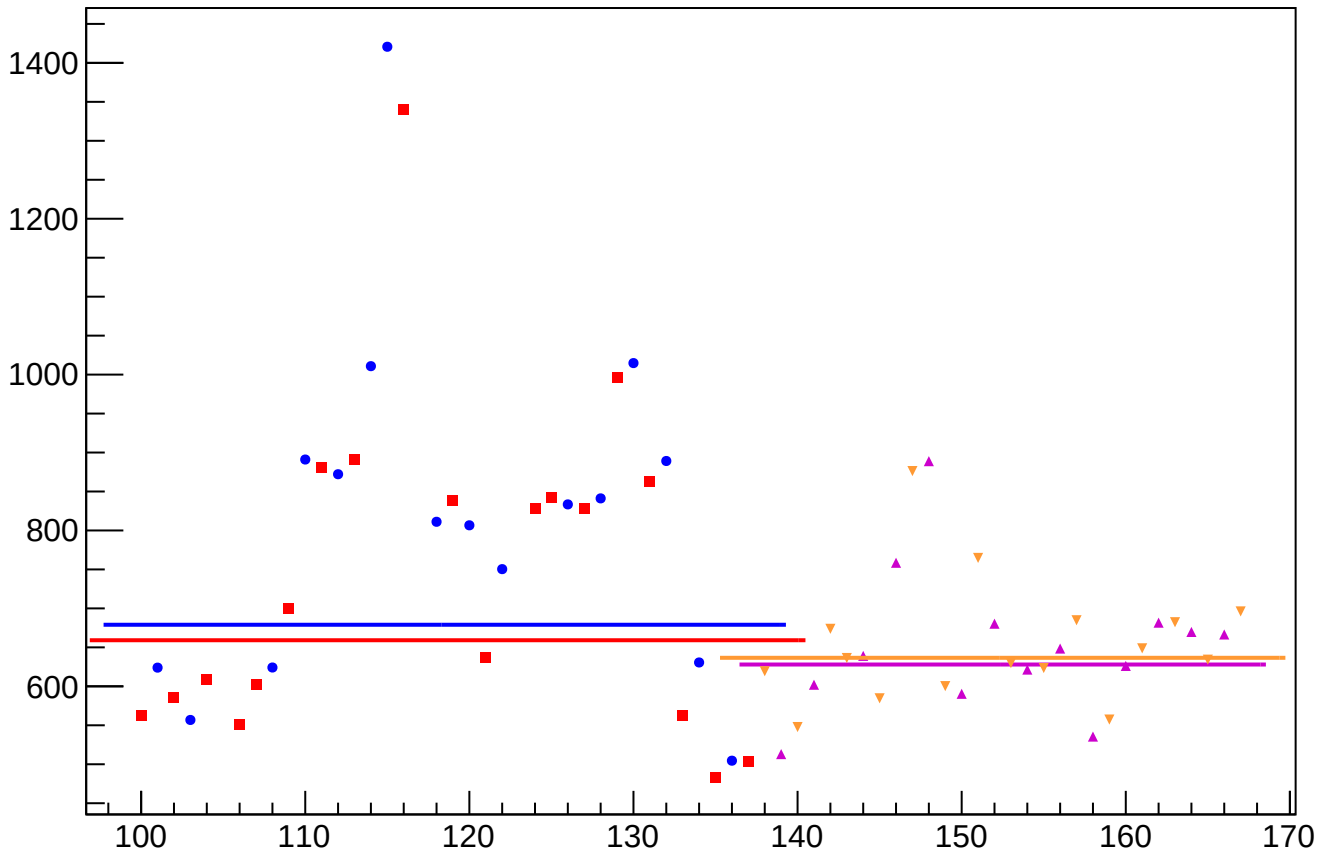
Left In: 203.202 ± 187.152 χ^2/NDF : 23.4/13

+ sign 100.199 ± 148.472 χ^2/NDF : 25.6/31

All: 196.666 ± 105.362 χ^2/NDF : 67.4/64

- sign 294.531 ± 149.544 χ^2/NDF : 40.9/32

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2 /NDF: 767983.3/15

Left Out: 636.601 $\pm$ 0.128 χ^2 /NDF: 296608.3/15

Right Out: 659.133 $\pm$ 0.176 χ^2 /NDF: 795877.7/18

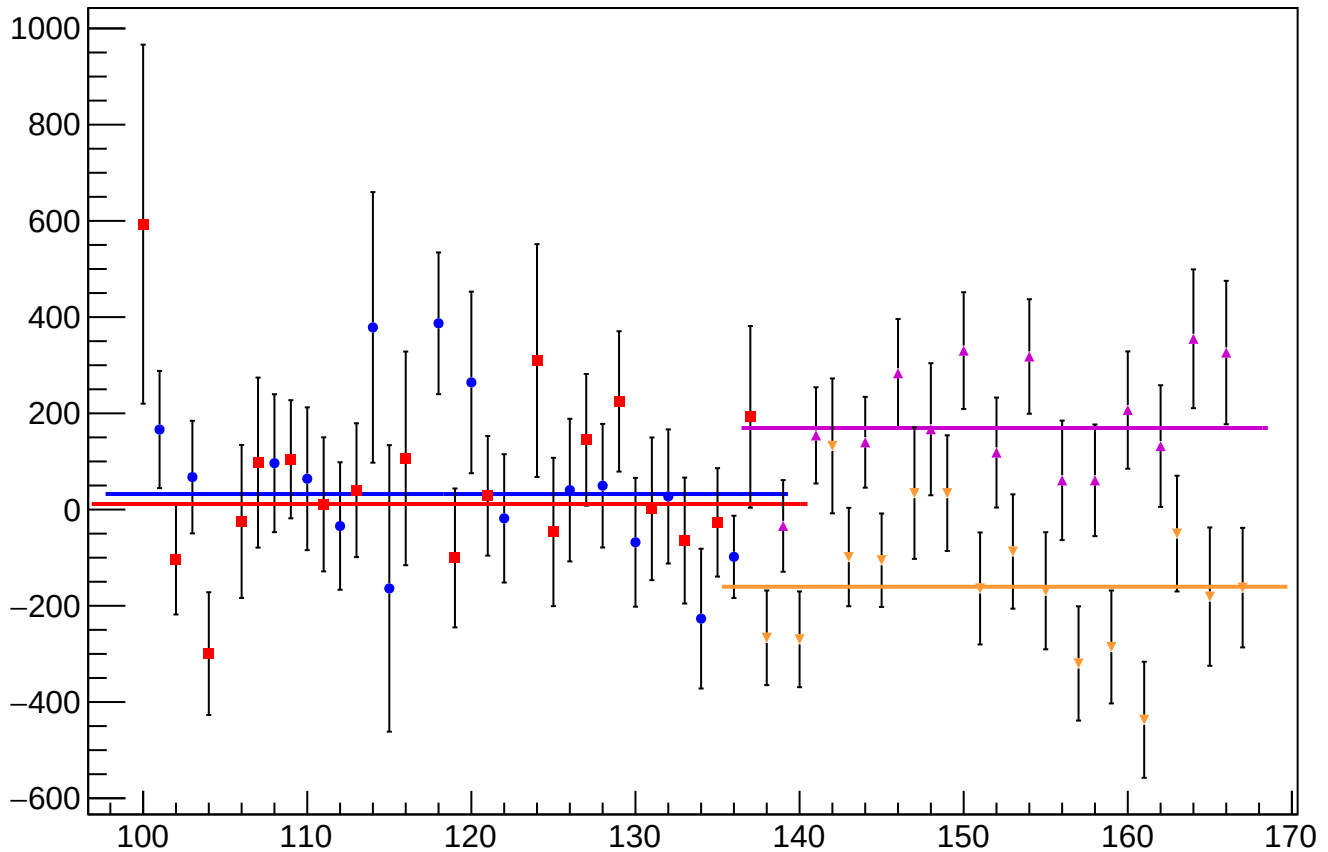
Left In: 627.981 $\pm$ 0.132 χ^2 /NDF: 369651.2/13

+ sign 650.461 $\pm$ 0.105 χ^2 /NDF: 1100483.2/31

All: 644.892 $\pm$ 0.075 χ^2 /NDF: 2291711.8/64

- sign 639.243 $\pm$ 0.106 χ^2 /NDF: 1185561.6/32

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312 ± 34.429 χ^2/NDF : 17.3/15

Left Out: -160.413 ± 29.033 χ^2/NDF : 21.5/15

Right Out: 11.576 ± 33.548 χ^2/NDF : 17.2/18

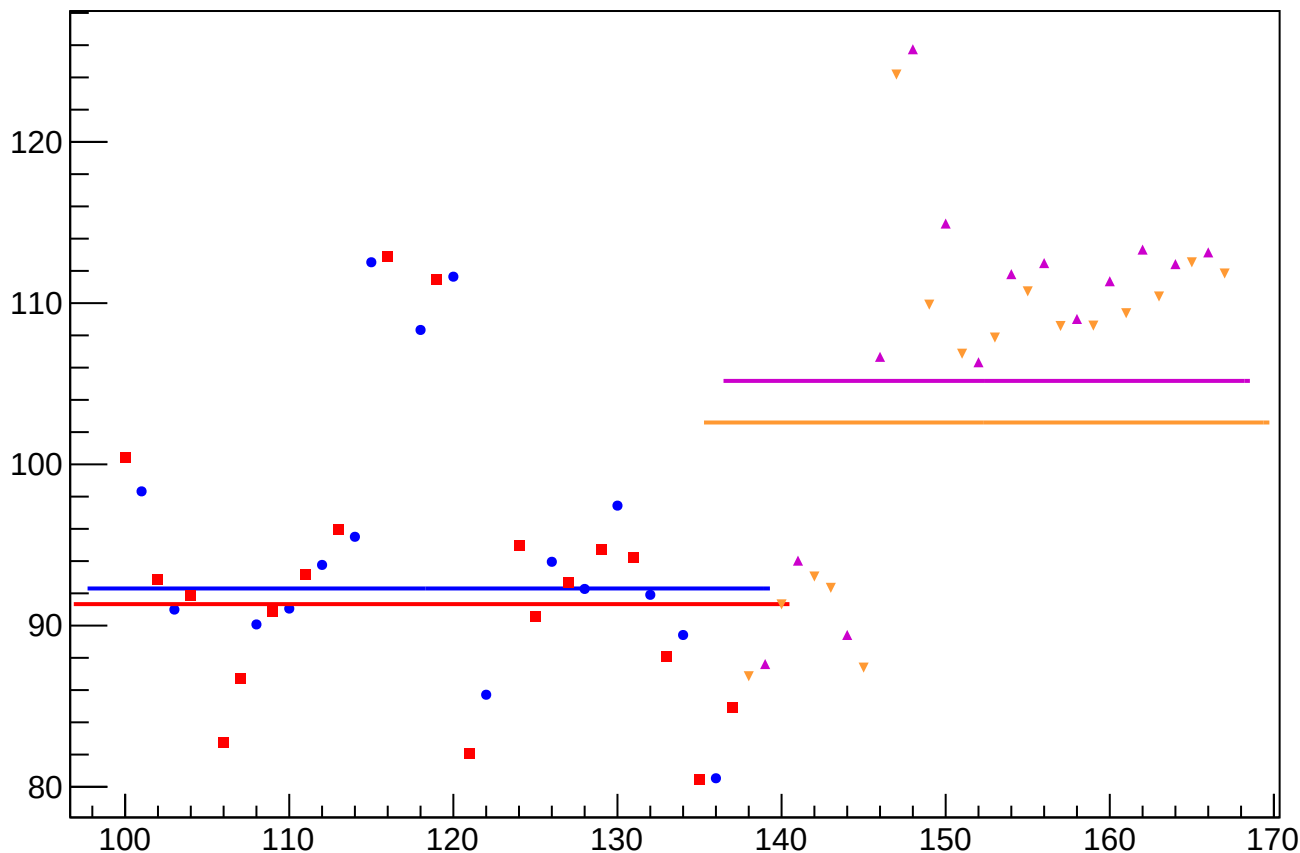
Left In: 169.543 ± 31.140 χ^2/NDF : 13.8/13

+ sign -80.320 ± 22.195 χ^2/NDF : 57.1/31

All: 5.589 ± 15.912 χ^2/NDF : 130.9/64

- sign 96.432 ± 22.823 χ^2/NDF : 42.9/32

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 102.597 $\pm$ 0.021 χ^2 /NDF: 273831.5/15

Right Out: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

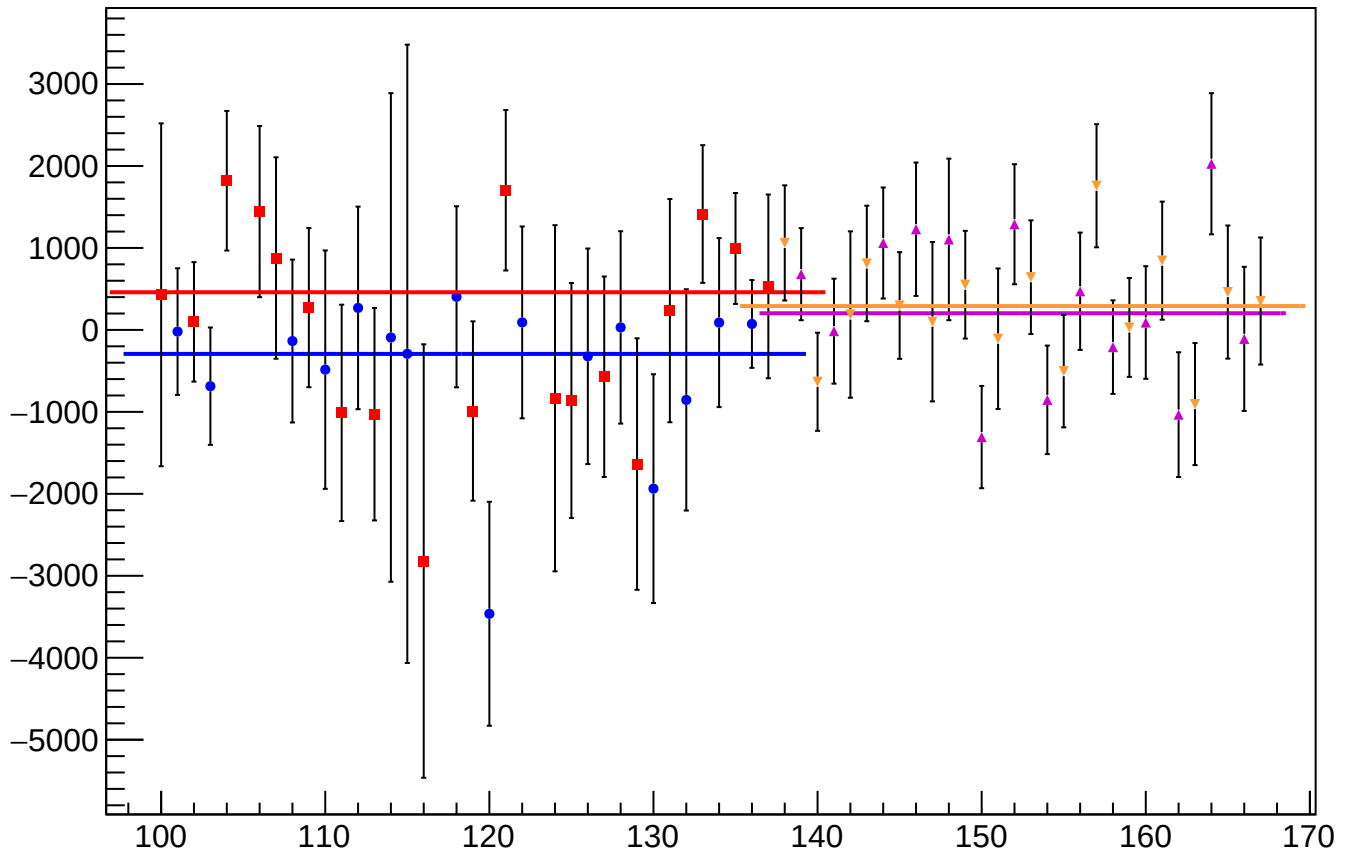
Left In: 105.177 $\pm$ 0.022 χ^2 /NDF: 246532.0/13

+ sign 98.319 $\pm$ 0.016 χ^2 /NDF: 485400.7/31

All: 98.538 $\pm$ 0.011 χ^2 /NDF: 1020228.1/64

- sign 98.769 $\pm$ 0.016 χ^2 /NDF: 534426.9/32

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF : 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF : 13.4/15

Right Out: 459.595+/-249.543 χ^2/NDF : 17.1/18

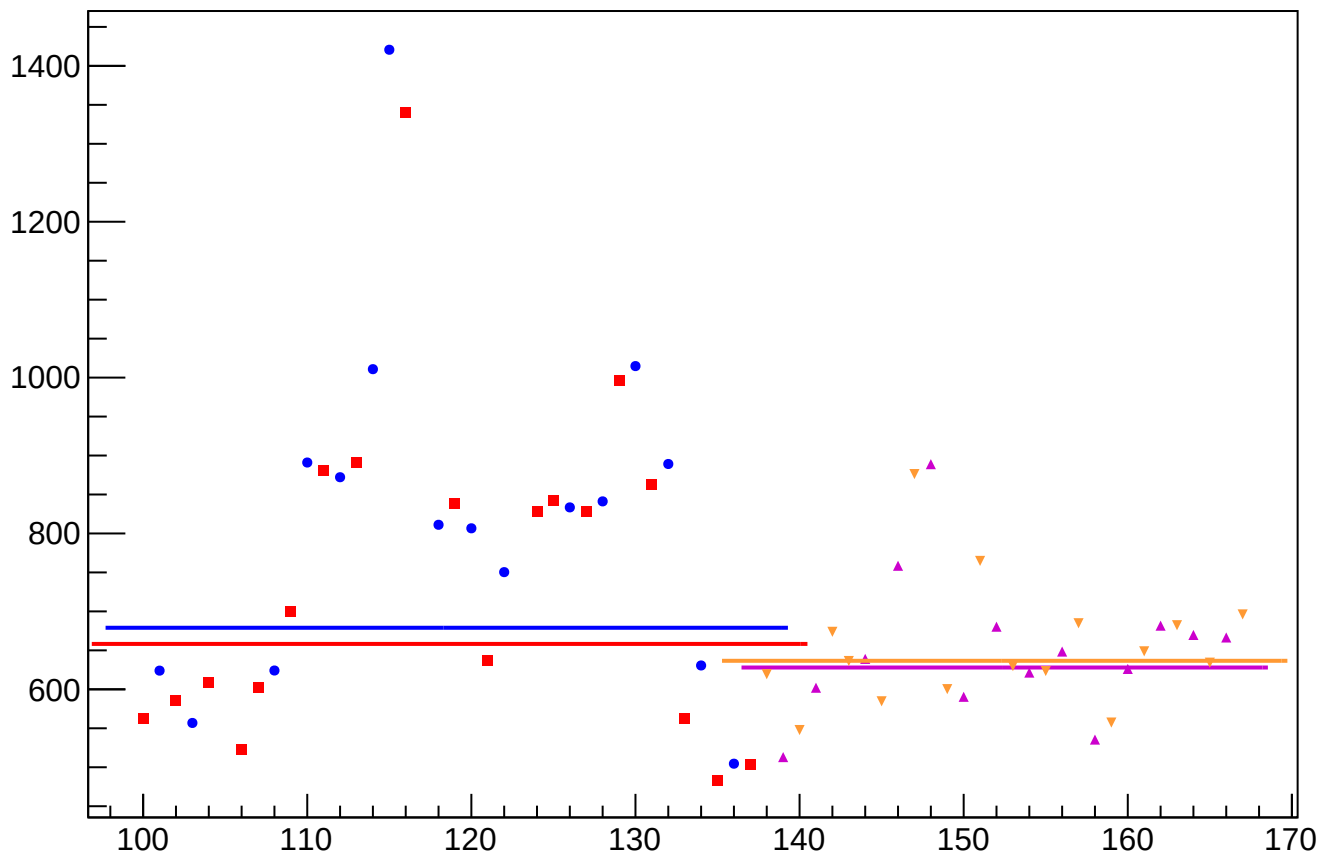
Left In: 203.204+/-187.152 χ^2/NDF : 23.4/13

+ sign 100.199+/-148.472 χ^2/NDF : 25.6/31

All: 197.031+/-105.425 χ^2/NDF : 67.6/64

- sign 295.501+/-149.723 χ^2/NDF : 41.1/32

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2/NDF : 767985.6/15

Left Out: 636.601 $\pm$ 0.128 χ^2/NDF : 296609.2/15

Right Out: 658.262 $\pm$ 0.176 χ^2/NDF : 805898.2/18

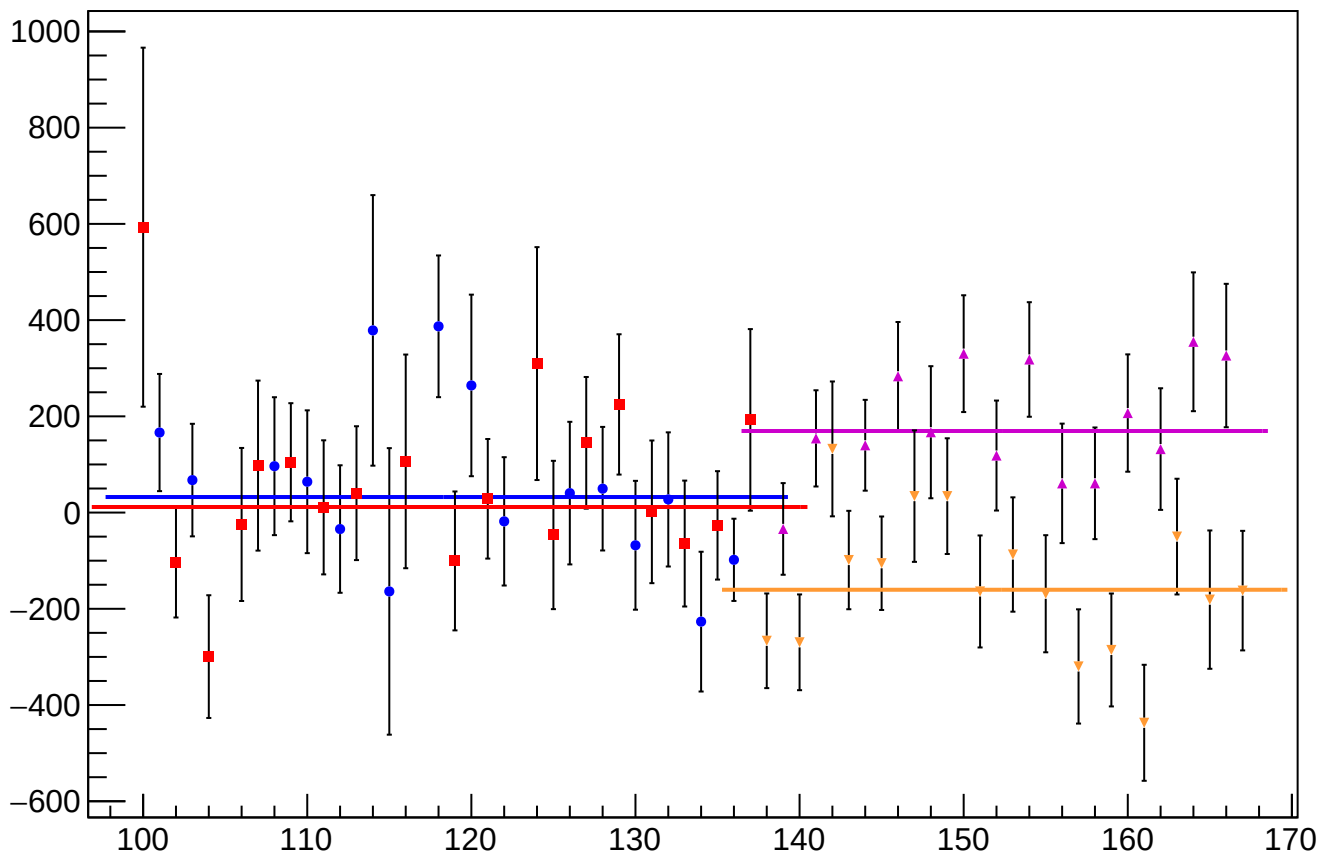
Left In: 627.982 $\pm$ 0.132 χ^2/NDF : 369651.2/13

+ sign 650.461 $\pm$ 0.105 χ^2/NDF : 1100485.4/31

All: 644.720 $\pm$ 0.075 χ^2/NDF : 2300912.1/64

- sign 638.882 $\pm$ 0.106 χ^2/NDF : 1194396.3/32

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312 ± 34.429 χ^2/NDF : 17.3/15

Left Out: -160.413 ± 29.033 χ^2/NDF : 21.5/15

Right Out: 11.576 ± 33.548 χ^2/NDF : 17.2/18

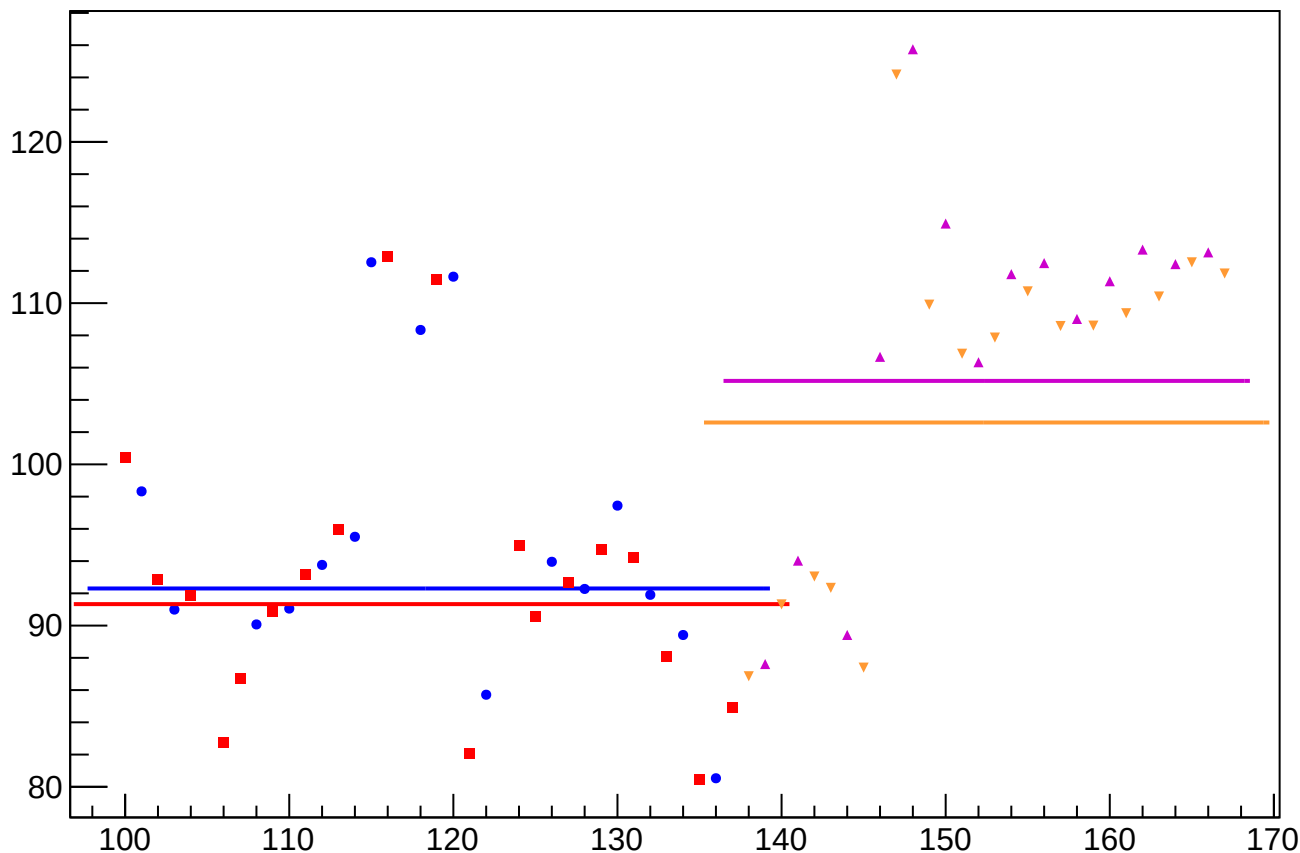
Left In: 169.543 ± 31.140 χ^2/NDF : 13.8/13

+ sign -80.320 ± 22.195 χ^2/NDF : 57.1/31

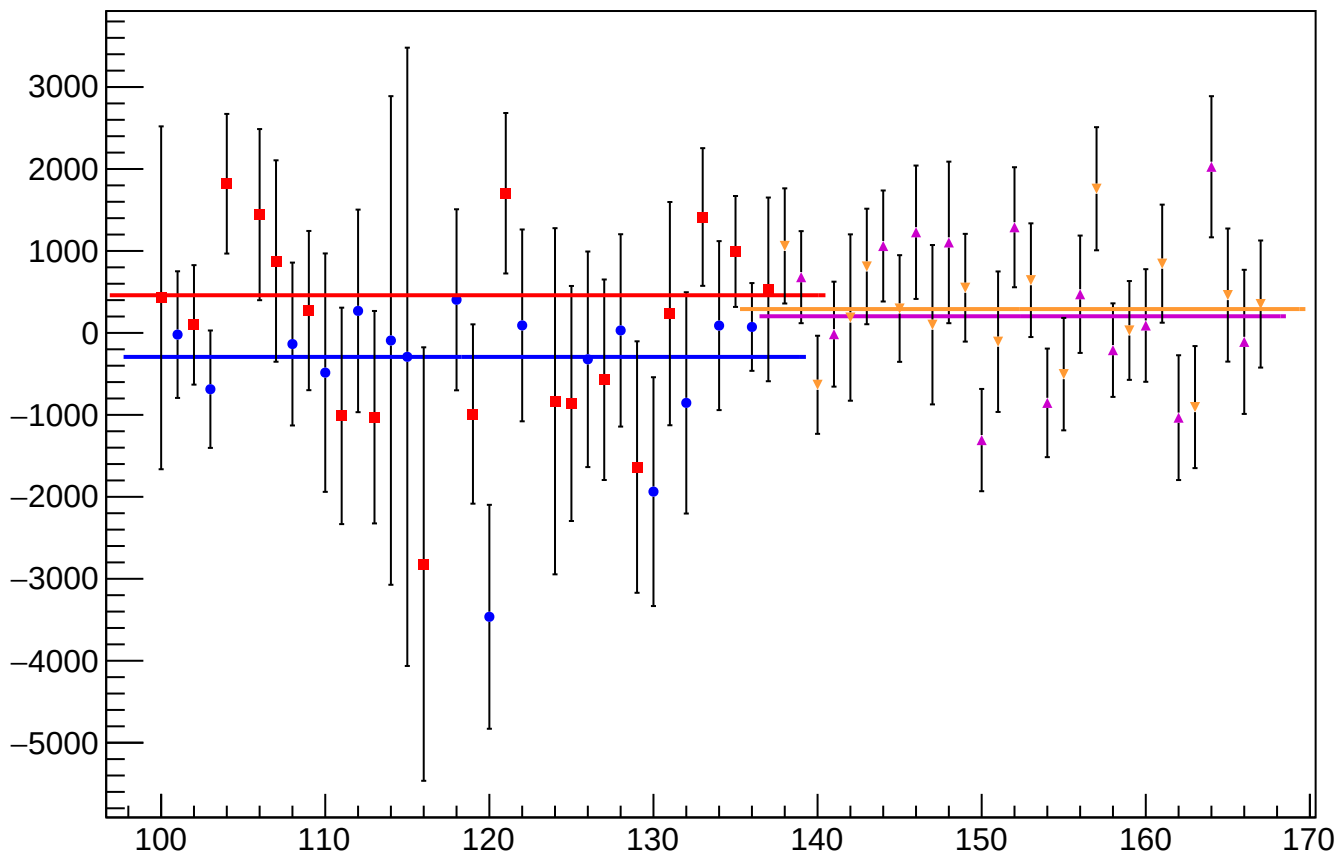
All: 5.589 ± 15.912 χ^2/NDF : 130.9/64

- sign 96.432 ± 22.823 χ^2/NDF : 42.9/32

eigen_cor_asym_sam_15_dd_rms vs Slug



asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -292.753 ± 259.692 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 291.012 ± 180.965 $\chi^2/\text{NDF}: 13.4/15$

Right Out: 459.595 ± 249.543 $\chi^2/\text{NDF}: 17.1/18$

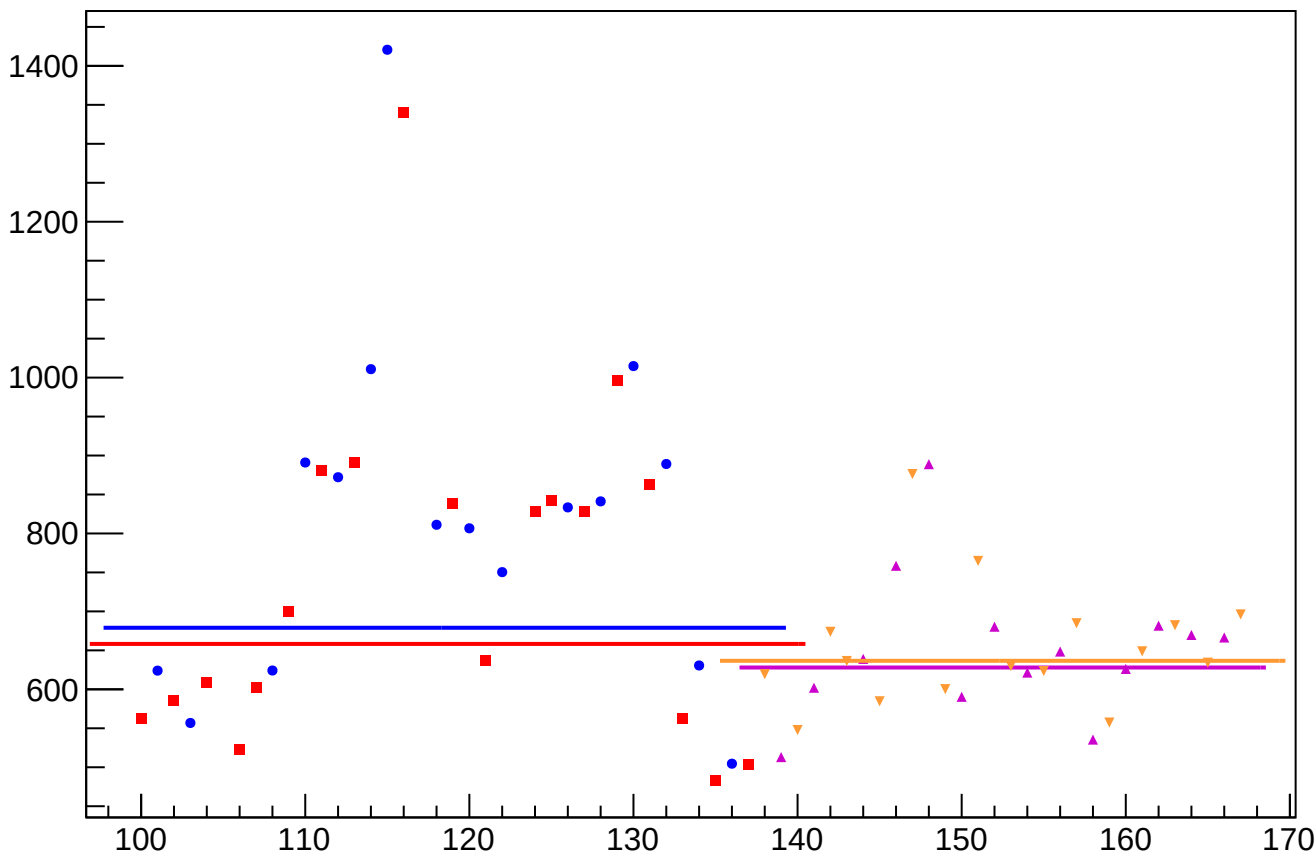
Left In: 203.204 ± 187.152 $\chi^2/\text{NDF}: 23.4/13$

+ sign 100.199 ± 148.472 $\chi^2/\text{NDF}: 25.6/31$

All: 197.031 ± 105.425 $\chi^2/\text{NDF}: 67.6/64$

- sign 295.501 ± 149.723 $\chi^2/\text{NDF}: 41.1/32$

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: 636.601 $\pm$ 0.128 χ^2/NDF : 296609.2/15

Right Out: 658.262 $\pm$ 0.176 χ^2/NDF : 805898.2/18

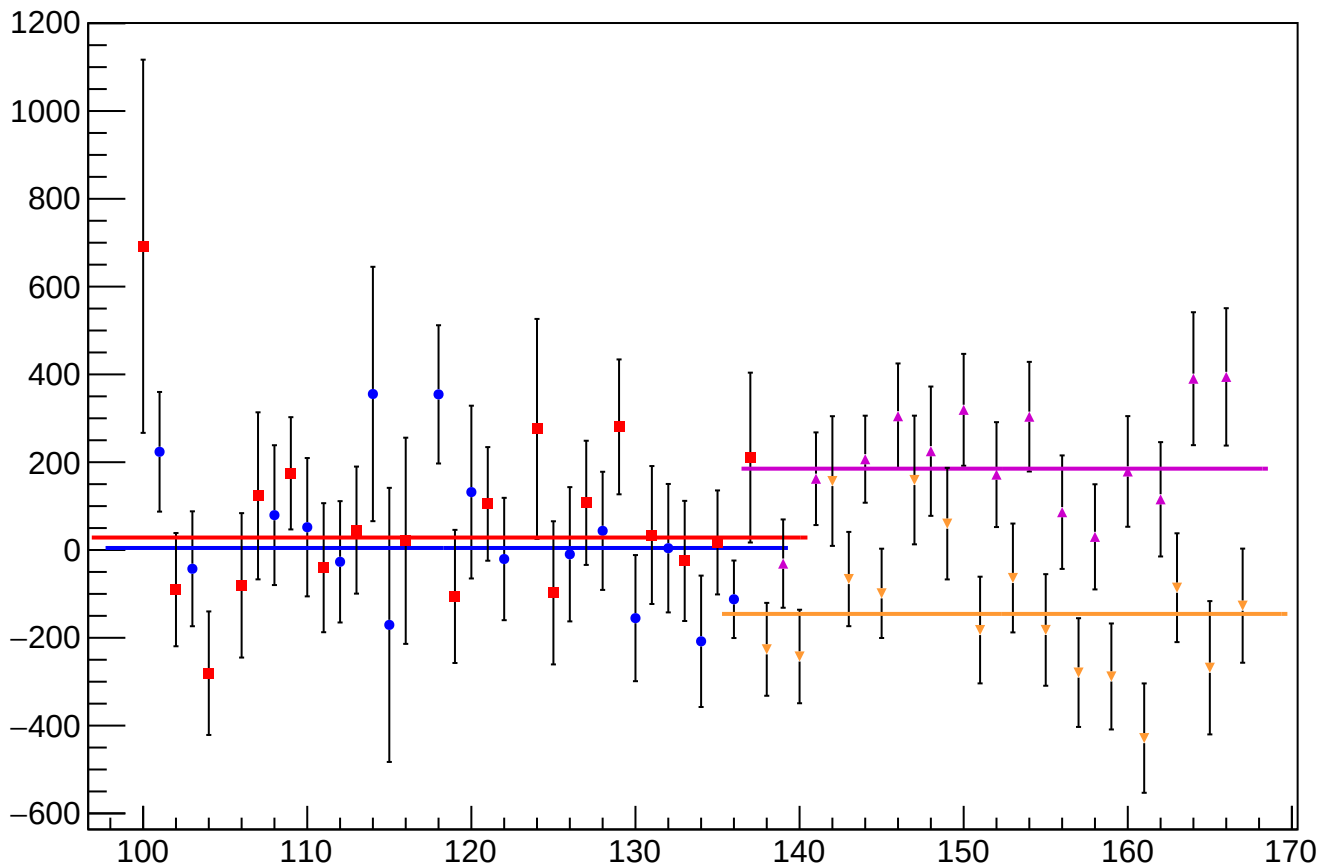
Left In: 627.982 $\pm$ 0.132 χ^2/NDF : 369651.2/13

+ sign 650.461 $\pm$ 0.105 χ^2/NDF : 1100485.4/31

All: 644.720 $\pm$ 0.075 χ^2/NDF : 2300912.1/64

- sign 638.882 $\pm$ 0.106 χ^2/NDF : 1194396.3/32

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619 ± 36.509 χ^2/NDF : 15.3/15

Left Out: -145.579 ± 30.489 χ^2/NDF : 22.5/15

Right Out: 28.407 ± 35.465 χ^2/NDF : 17.1/18

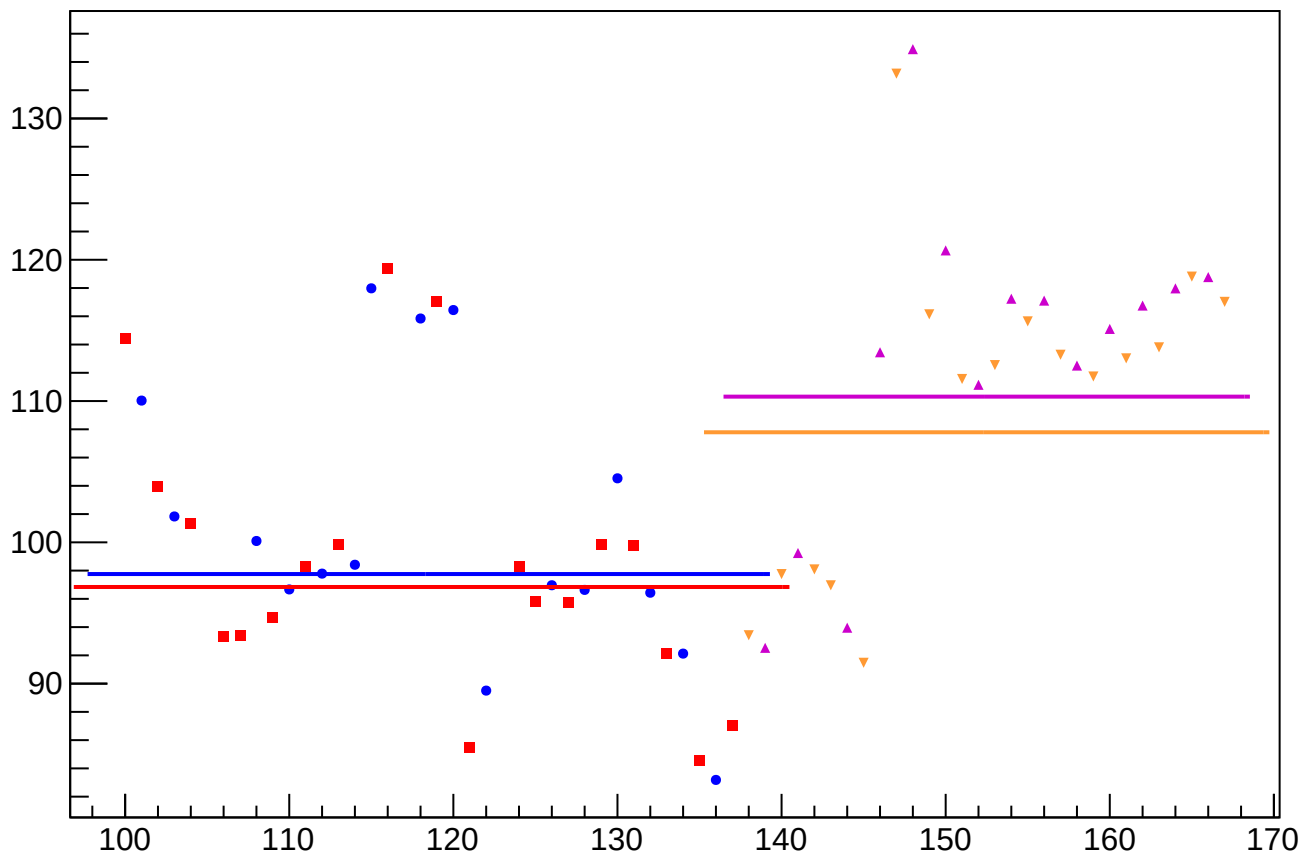
Left In: 185.275 ± 32.662 χ^2/NDF : 14.0/13

+ sign -83.867 ± 23.402 χ^2/NDF : 47.9/31

All: 12.119 ± 16.764 χ^2/NDF : 124.1/64

- sign 113.285 ± 24.025 χ^2/NDF : 41.7/32

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2 /NDF: 140654.4/15

Left Out: 107.791 $\pm$ 0.022 χ^2 /NDF: 251111.7/15

Right Out: 96.840 $\pm$ 0.025 χ^2 /NDF: 115170.9/18

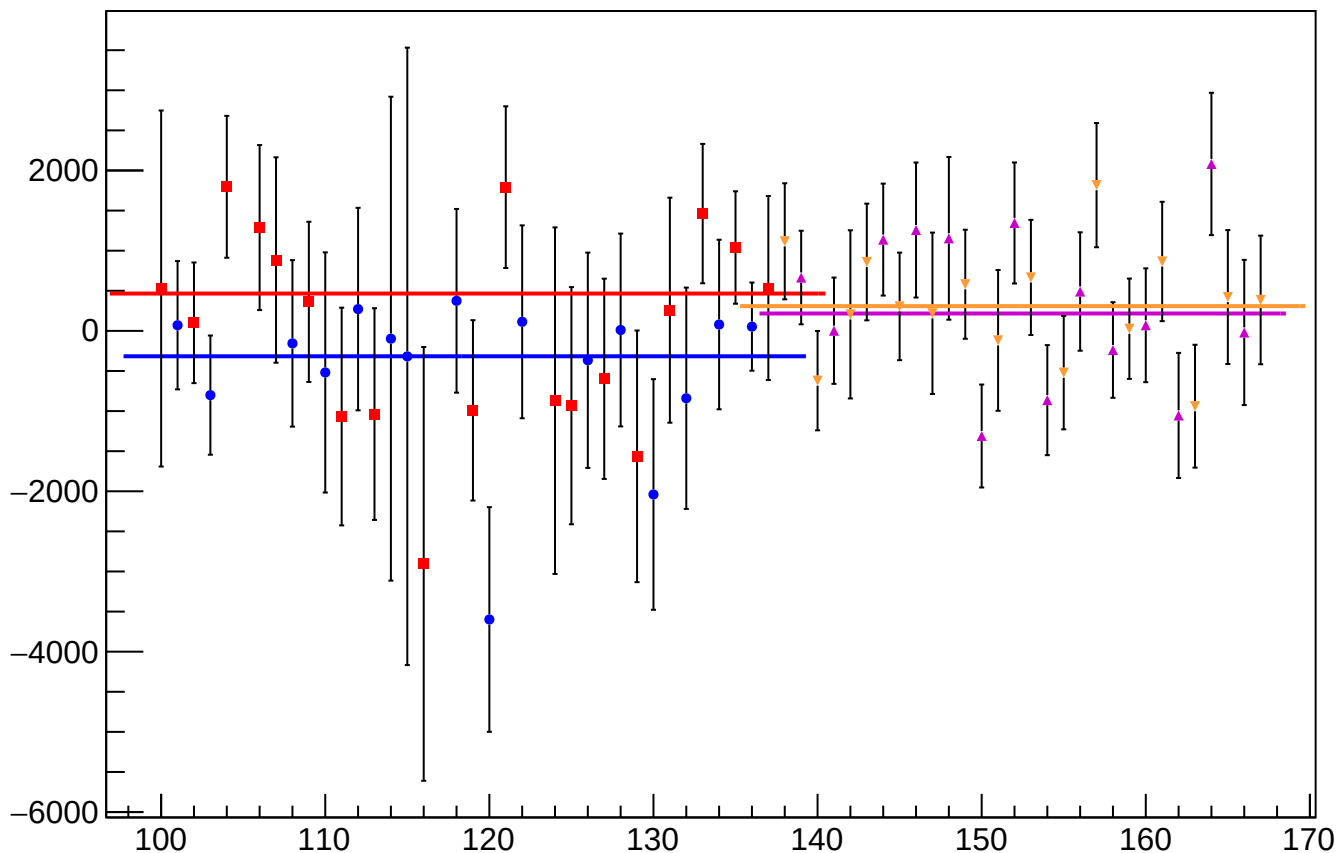
Left In: 110.313 $\pm$ 0.023 χ^2 /NDF: 240454.3/13

+ sign 103.668 $\pm$ 0.017 χ^2 /NDF: 480778.1/31

All: 103.893 $\pm$ 0.012 χ^2 /NDF: 992961.7/64

- sign 104.130 $\pm$ 0.017 χ^2 /NDF: 511804.1/32

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572 ± 267.515 $\chi^2/\text{NDF}: 9.2/15$

Left Out: 308.615 ± 186.805 $\chi^2/\text{NDF}: 13.4/15$

Right Out: 465.576 ± 256.646 $\chi^2/\text{NDF}: 16.5/18$

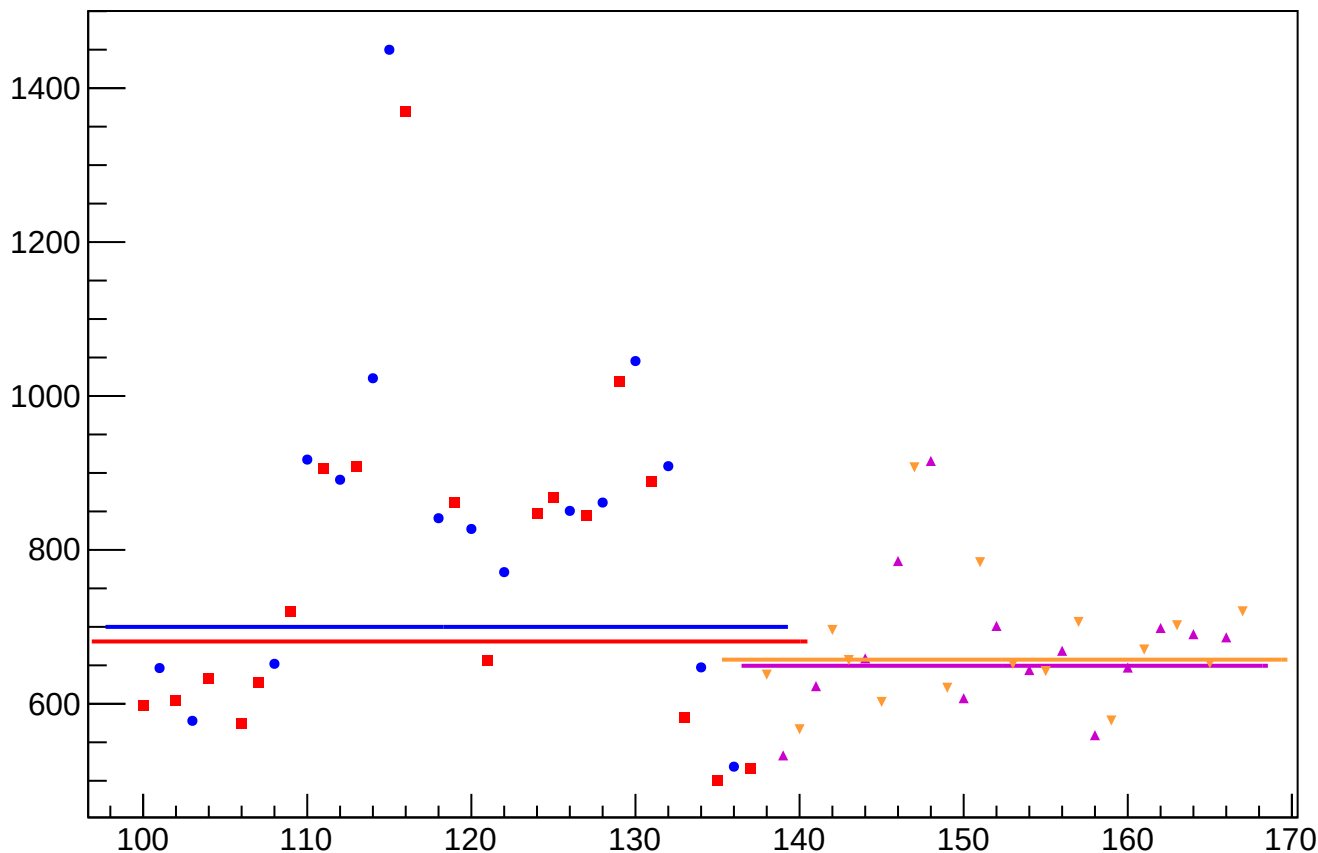
Left In: 216.844 ± 193.424 $\chi^2/\text{NDF}: 23.1/13$

+ sign 103.689 ± 153.159 $\chi^2/\text{NDF}: 26.2/31$

All: 204.453 ± 108.759 $\chi^2/\text{NDF}: 67.2/64$

- sign 306.947 ± 154.467 $\chi^2/\text{NDF}: 40.2/32$

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973 $\pm$ 0.189 χ^2 /NDF: 753665.4/15

Left Out: 657.408 $\pm$ 0.132 χ^2 /NDF: 291751.6/15

Right Out: 681.016 $\pm$ 0.181 χ^2 /NDF: 769397.2/18

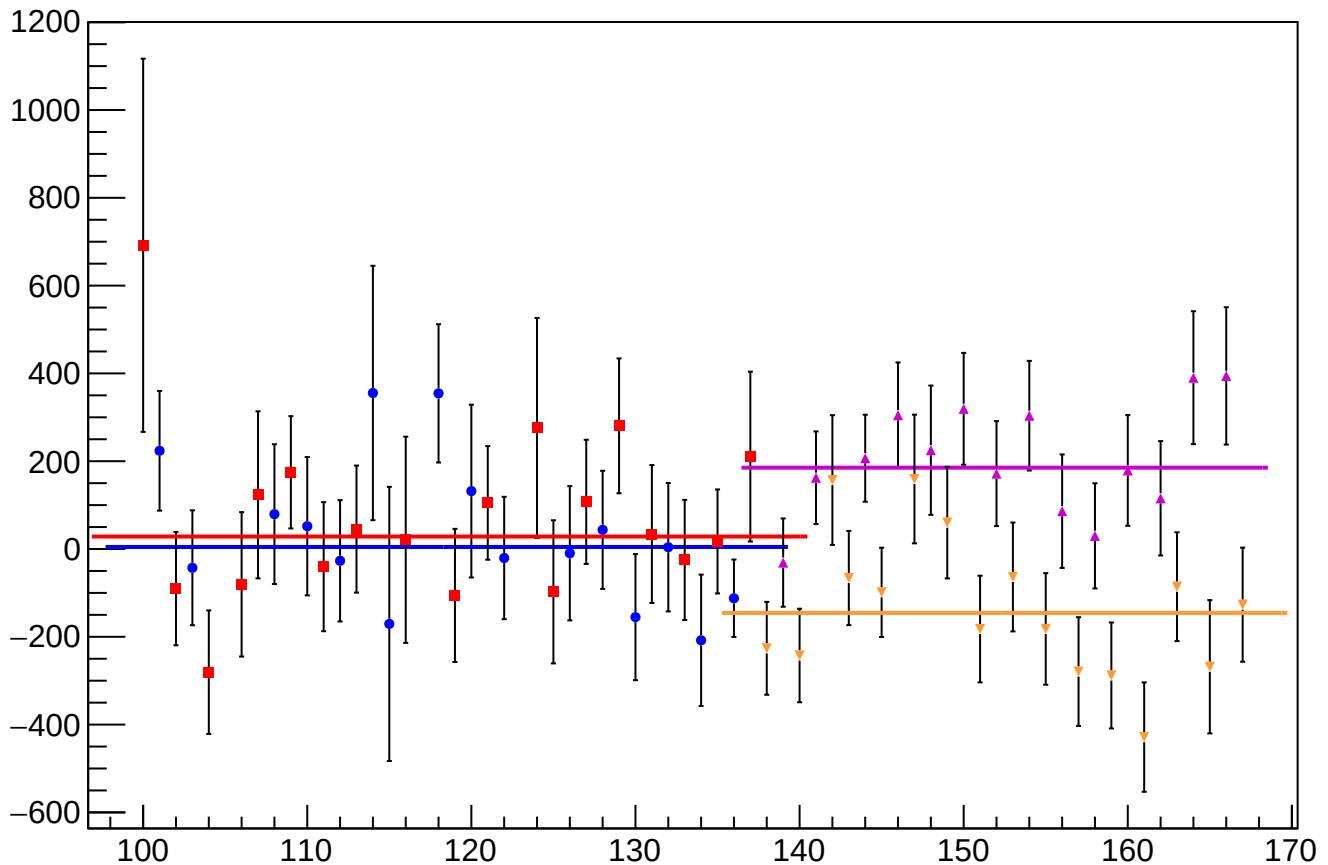
Left In: 649.447 $\pm$ 0.137 χ^2 /NDF: 354143.4/13

+ sign 671.360 $\pm$ 0.108 χ^2 /NDF: 1079453.5/31

All: 666.166 $\pm$ 0.077 χ^2 /NDF: 2226933.7/64

- sign 660.883 $\pm$ 0.109 χ^2 /NDF: 1142840.4/32

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620 ± 36.509 χ^2/NDF : 15.3/15

Left Out: -145.579 ± 30.489 χ^2/NDF : 22.5/15

Right Out: 28.407 ± 35.465 χ^2/NDF : 17.1/18

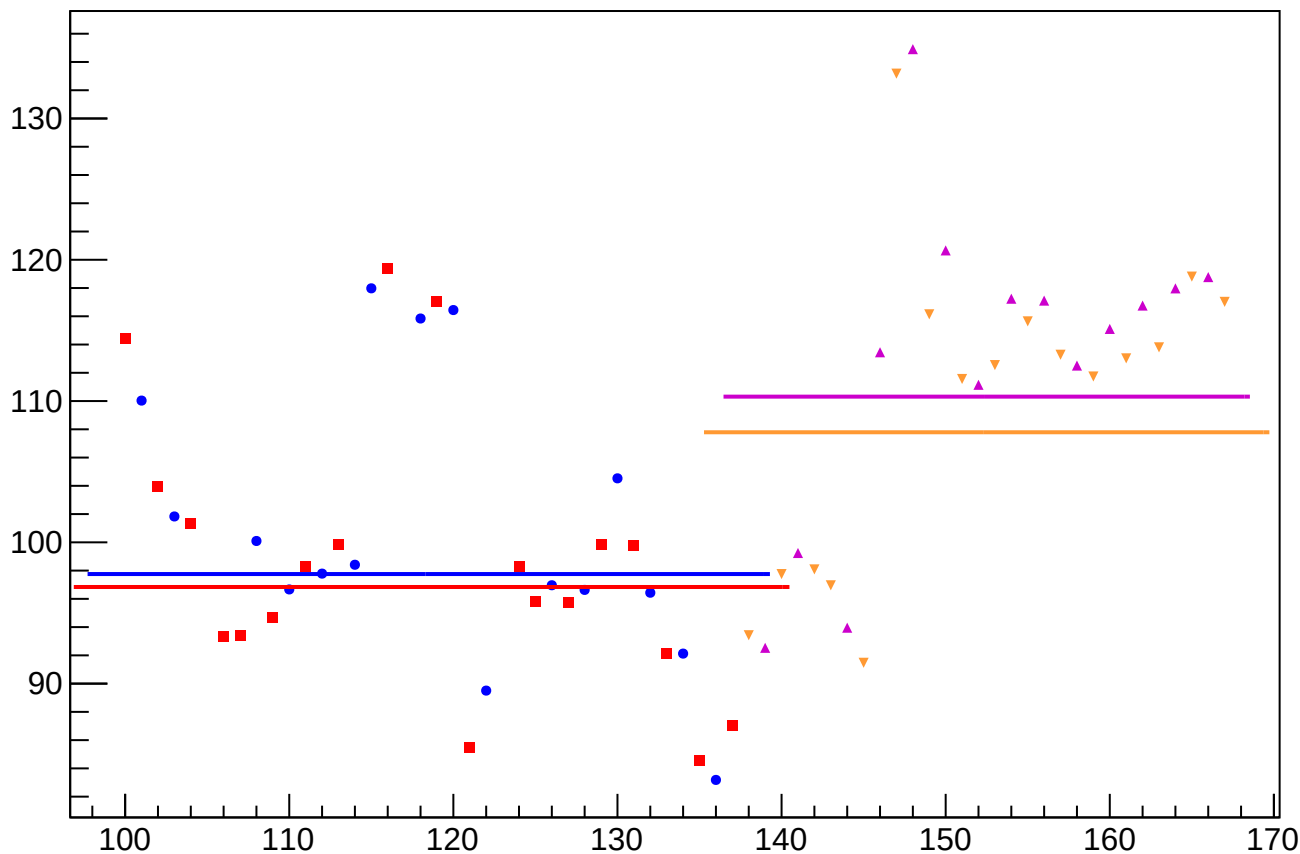
Left In: 185.276 ± 32.662 χ^2/NDF : 14.0/13

+ sign -83.866 ± 23.402 χ^2/NDF : 47.9/31

All: 12.120 ± 16.764 χ^2/NDF : 124.1/64

- sign 113.285 ± 24.025 χ^2/NDF : 41.7/32

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2 /NDF: 140654.8/15

Left Out: 107.791 $\pm$ 0.022 χ^2 /NDF: 251110.5/15

Right Out: 96.839 $\pm$ 0.025 χ^2 /NDF: 115173.1/18

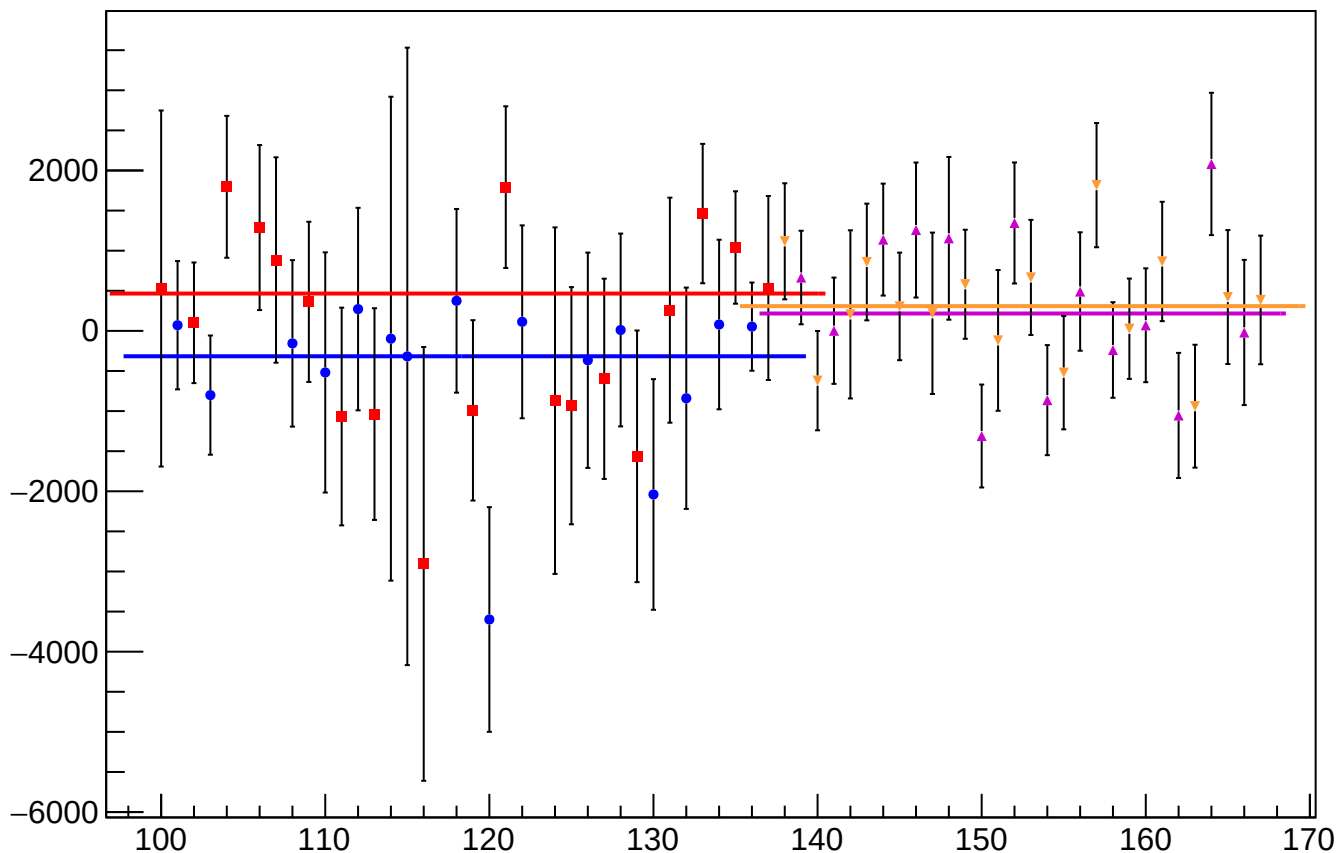
Left In: 110.313 $\pm$ 0.023 χ^2 /NDF: 240451.7/13

+ sign 103.668 $\pm$ 0.017 χ^2 /NDF: 480783.7/31

All: 103.892 $\pm$ 0.012 χ^2 /NDF: 992976.7/64

- sign 104.130 $\pm$ 0.017 χ^2 /NDF: 511813.6/32

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -316.570 ± 267.515 χ^2/NDF : 9.2/15

Left Out: 308.615 ± 186.805 χ^2/NDF : 13.4/15

Right Out: 465.576 ± 256.645 χ^2/NDF : 16.5/18

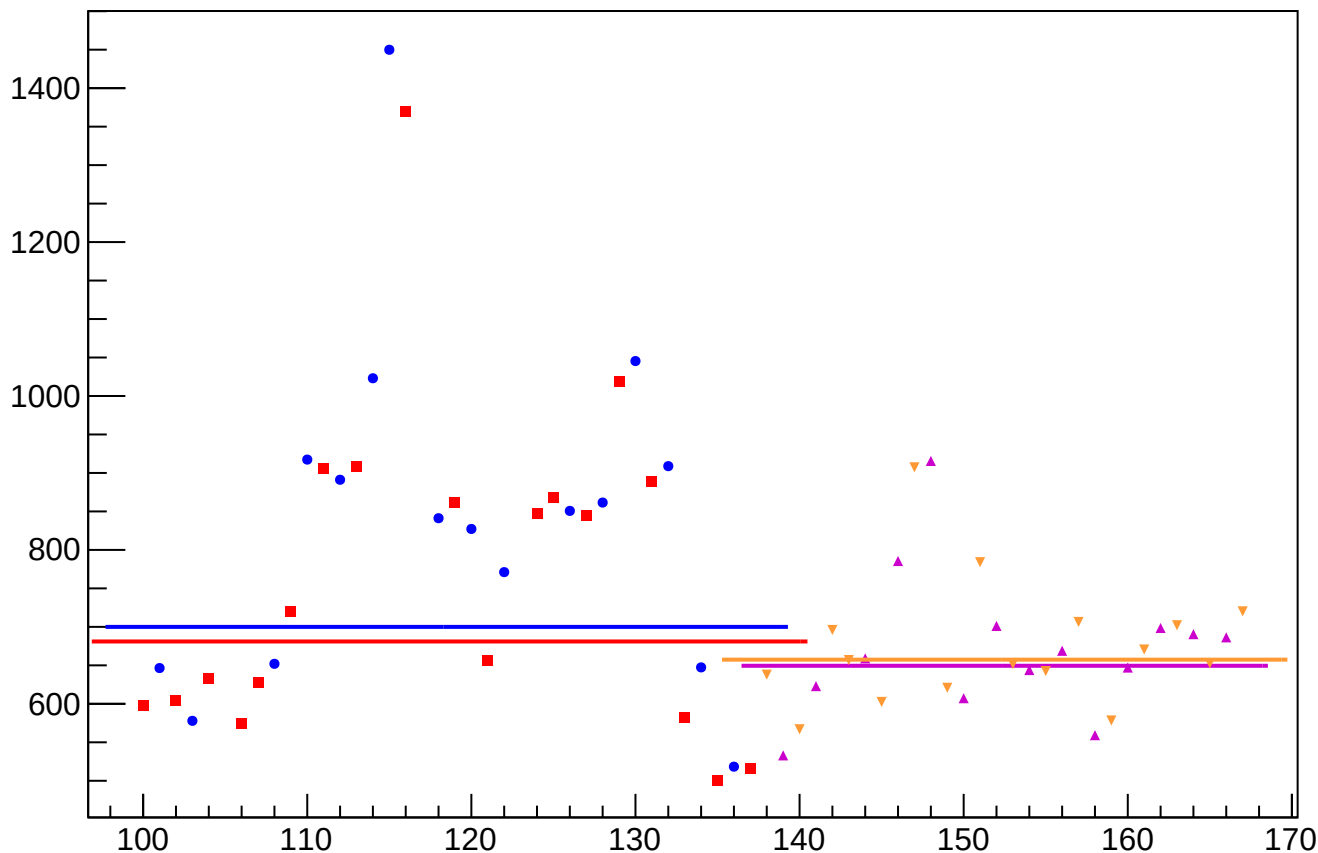
Left In: 216.845 ± 193.424 χ^2/NDF : 23.1/13

+ sign 103.688 ± 153.159 χ^2/NDF : 26.2/31

All: 204.453 ± 108.759 χ^2/NDF : 67.2/64

- sign 306.947 ± 154.467 χ^2/NDF : 40.2/32

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971 $\pm$ 0.189 χ^2 /NDF: 753668.1/15

Left Out: 657.409 $\pm$ 0.132 χ^2 /NDF: 291751.3/15

Right Out: 681.015 $\pm$ 0.181 χ^2 /NDF: 769400.5/18

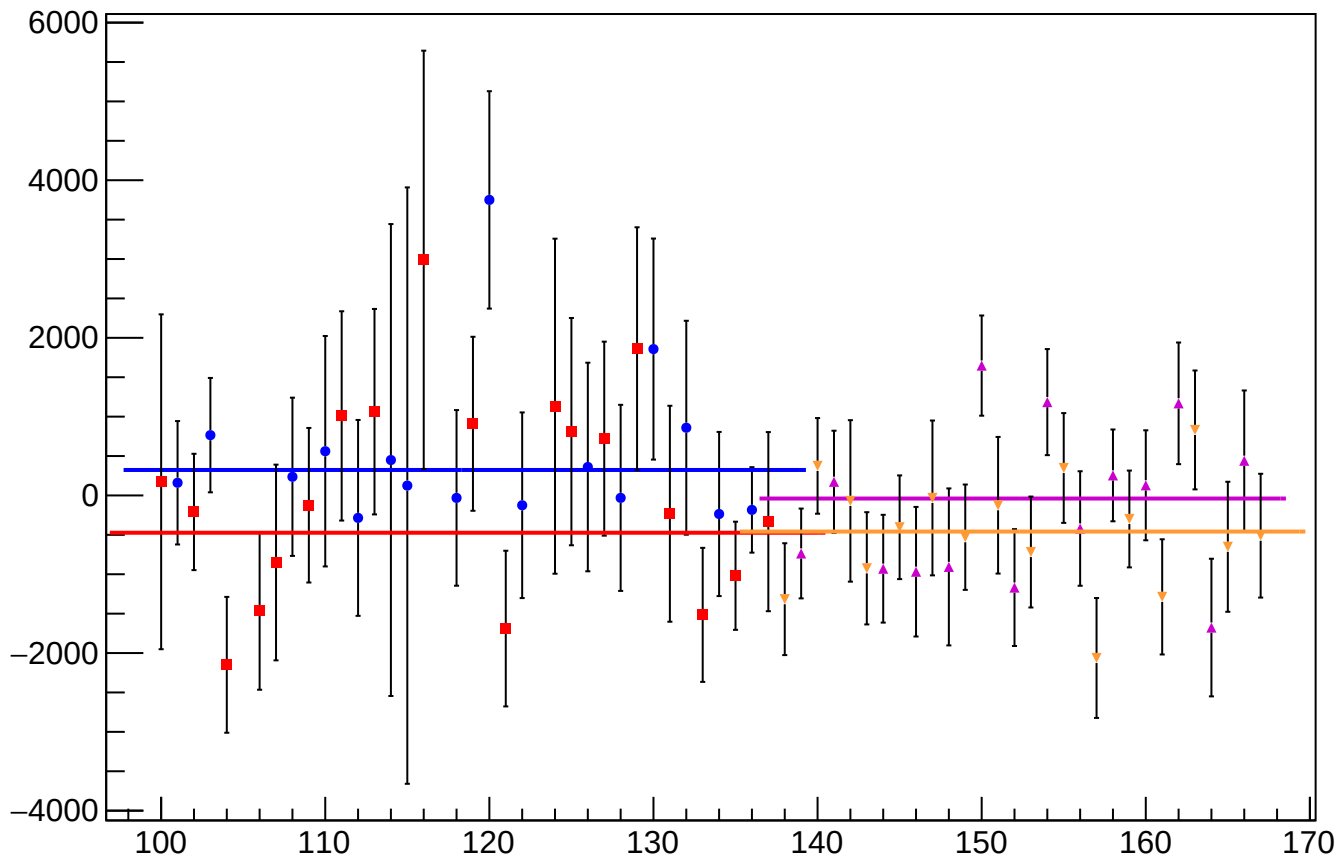
Left In: 649.447 $\pm$ 0.137 χ^2 /NDF: 354143.7/13

+ sign 671.360 $\pm$ 0.108 χ^2 /NDF: 1079452.5/31

All: 666.166 $\pm$ 0.077 χ^2 /NDF: 2226933.8/64

- sign 660.883 $\pm$ 0.109 χ^2 /NDF: 1142841.3/32

asym_sam_15_dd_mean vs Slug



Right In: 323.198 ± 262.332 χ^2/NDF : 9.7/15

Left Out: -458.414 ± 183.439 χ^2/NDF : 14.5/15

Right Out: -473.233 ± 251.330 χ^2/NDF : 19.4/18

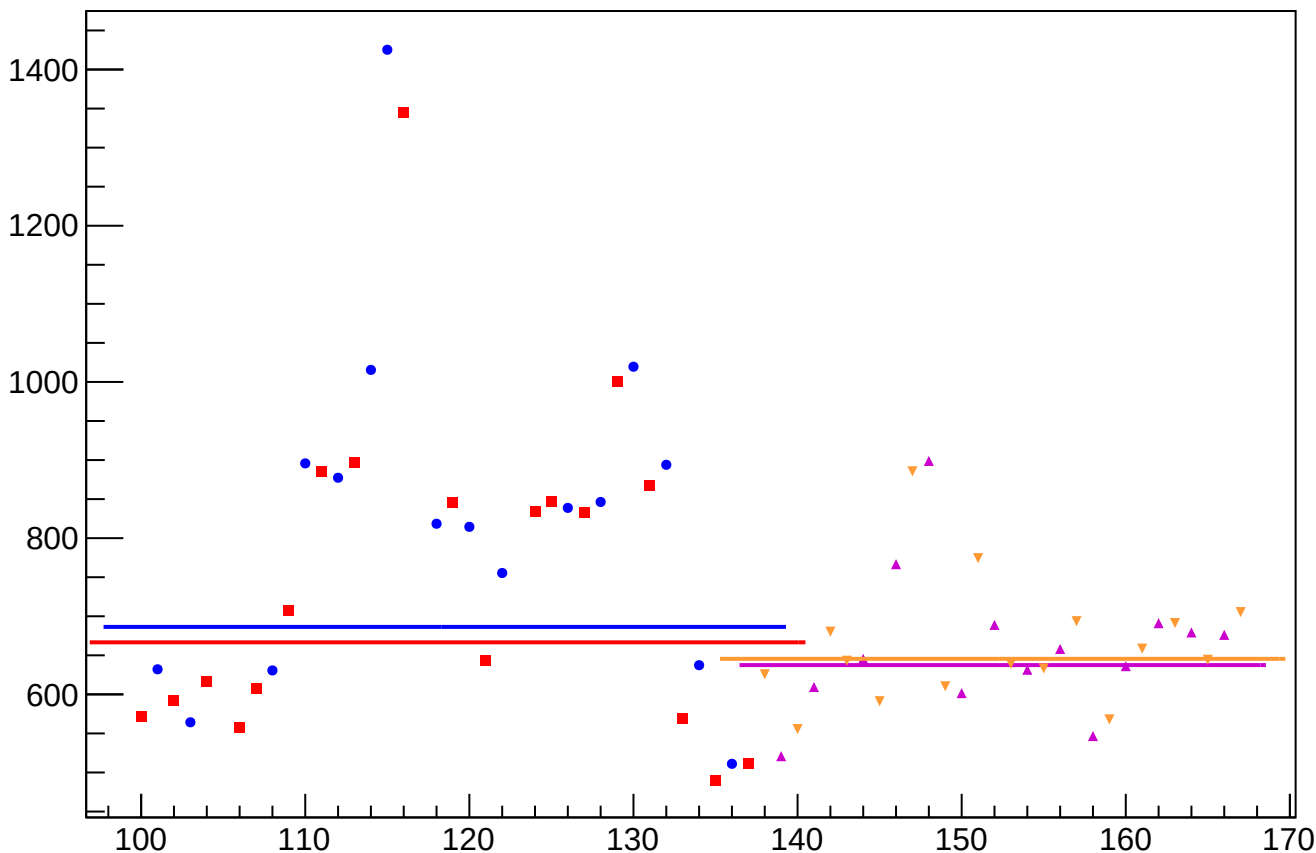
Left In: -39.286 ± 189.914 χ^2/NDF : 24.8/13

+ sign -201.738 ± 150.331 χ^2/NDF : 30.2/31

All: -199.391 ± 106.718 χ^2/NDF : 76.4/64

- sign -197.007 ± 151.520 χ^2/NDF : 46.1/32

asym_sam_15_dd_rms vs Slug



Right In: 686.394 $\pm$ 0.185 χ^2 /NDF: 749454.8/15

Left Out: 645.501 $\pm$ 0.130 χ^2 /NDF: 290952.3/15

Right Out: 666.634 $\pm$ 0.178 χ^2 /NDF: 777033.6/18

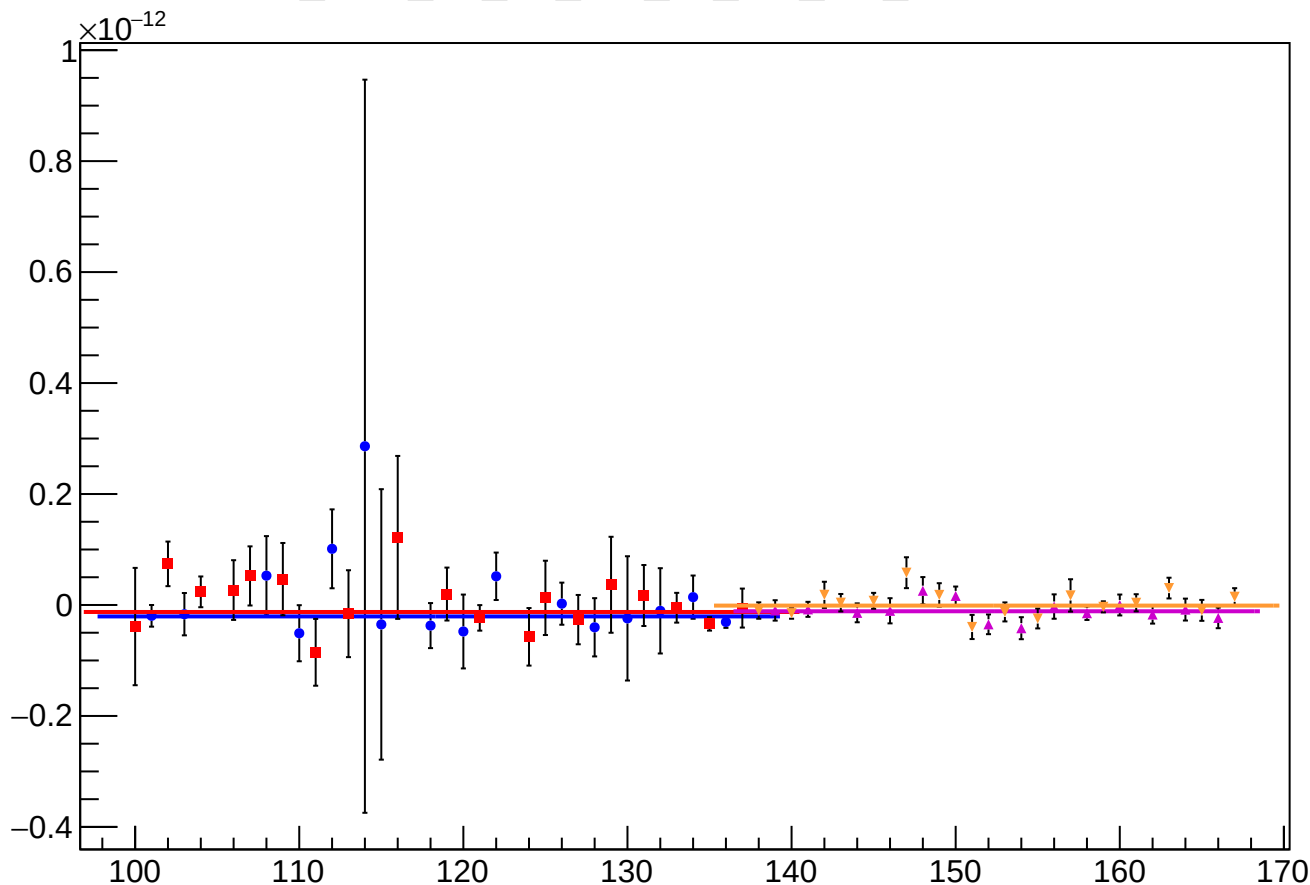
Left In: 637.497 $\pm$ 0.134 χ^2 /NDF: 359351.6/13

+ sign 658.930 $\pm$ 0.106 χ^2 /NDF: 1073046.7/31

All: 653.551 $\pm$ 0.075 χ^2 /NDF: 2231703.6/64

- sign 648.087 $\pm$ 0.107 χ^2 /NDF: 1153495.9/32

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 : 18.7/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.0/18

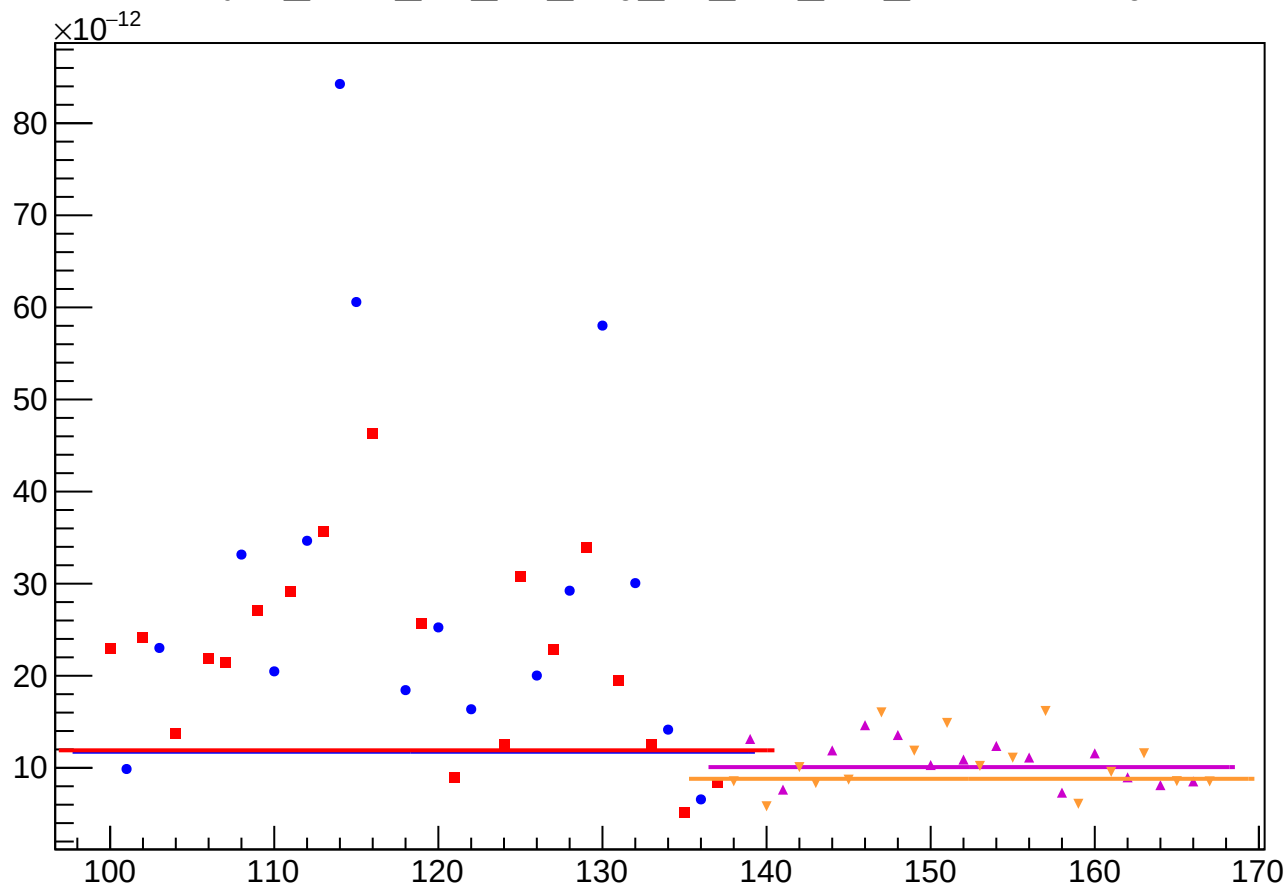
Left In: -0.000 ± 0.000 χ^2/NDF : 10.3/13

+ sign -0.000 ± 0.000 χ^2/NDF : 33.6/31

All: -0.000 ± 0.000 χ^2/NDF : 62.5/64

- sign -0.000 ± 0.000 χ^2/NDF : 27.4/32

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 : 890854.7/15

Right Out: 0.000 +/- 0.000 χ^2/NDF : 2202451.9/18

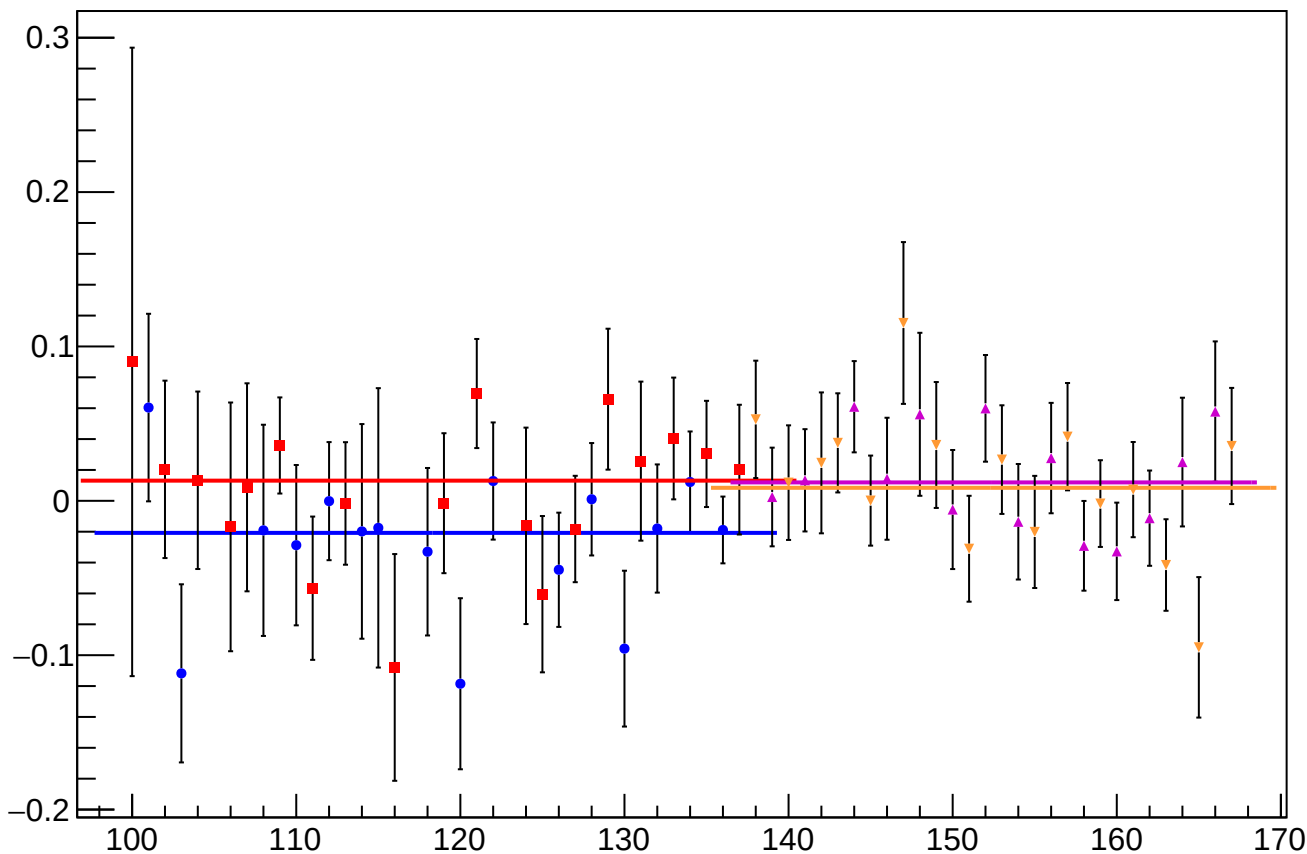
Left In: 0.000 +/- 0.000 χ^2/NDF : 457864.3/13

+ sign 0.000 +/- 0.000 χ^2/NDF : 3276298.0/31

All: 0.000 +/- 0.000 χ^2/NDF : 6106577.8/64

- sign 0.000 +/- 0.000 χ^2/NDF : 2739740.8/32

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: 0.008 ± 0.009 χ^2/NDF : 18.8/15

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

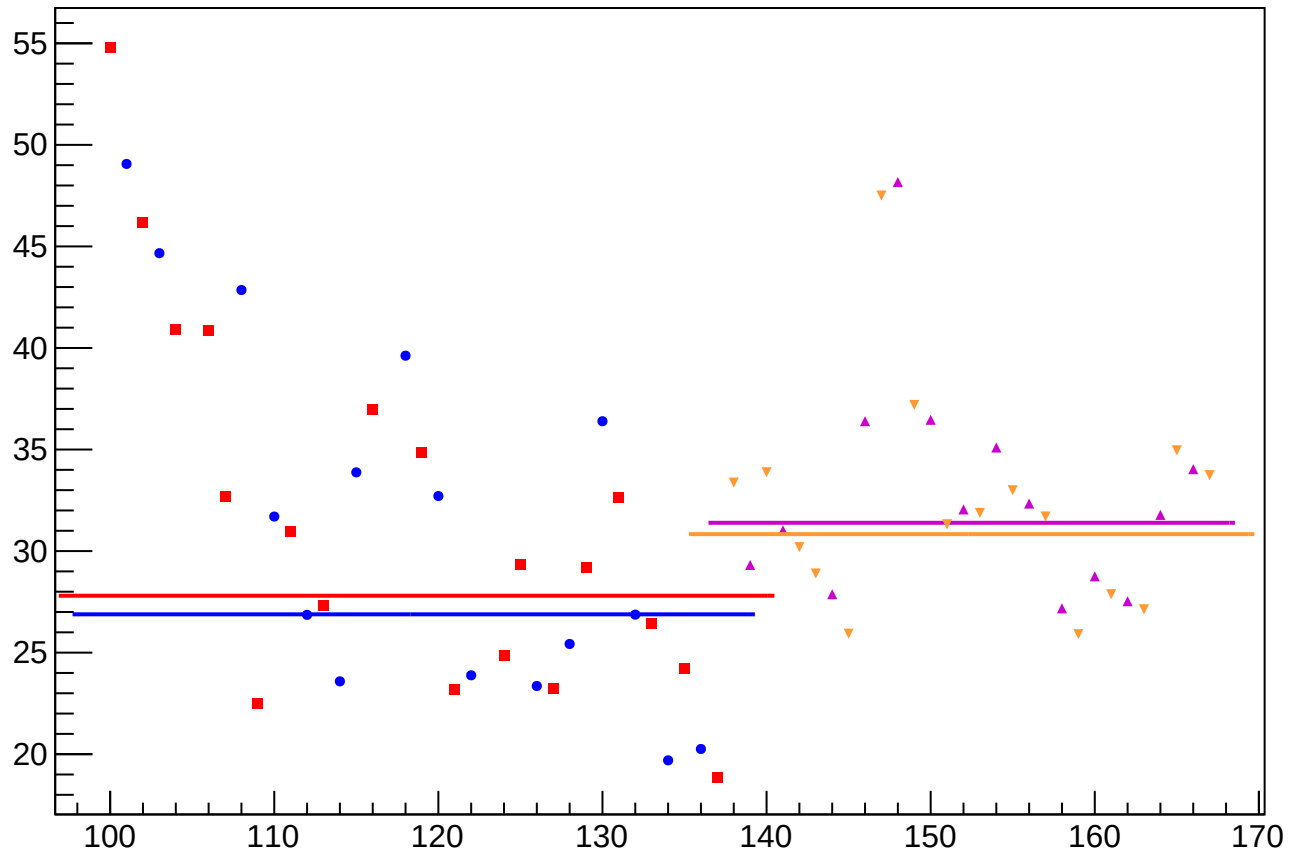
Left In: 0.012 ± 0.009 χ^2/NDF : 12.0/13

+ sign -0.004 ± 0.007 χ^2/NDF : 35.9/31

All: 0.004 ± 0.005 χ^2/NDF : 64.5/64

- sign 0.012 ± 0.007 χ^2/NDF : 25.9/32

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886 ± 0.007 $\chi^2/\text{NDF}: 1120557.7/15$

Left Out: 30.834 ± 0.006 $\chi^2/\text{NDF}: 487445.5/15$

Right Out: 27.802 ± 0.007 $\chi^2/\text{NDF}: 763106.1/18$

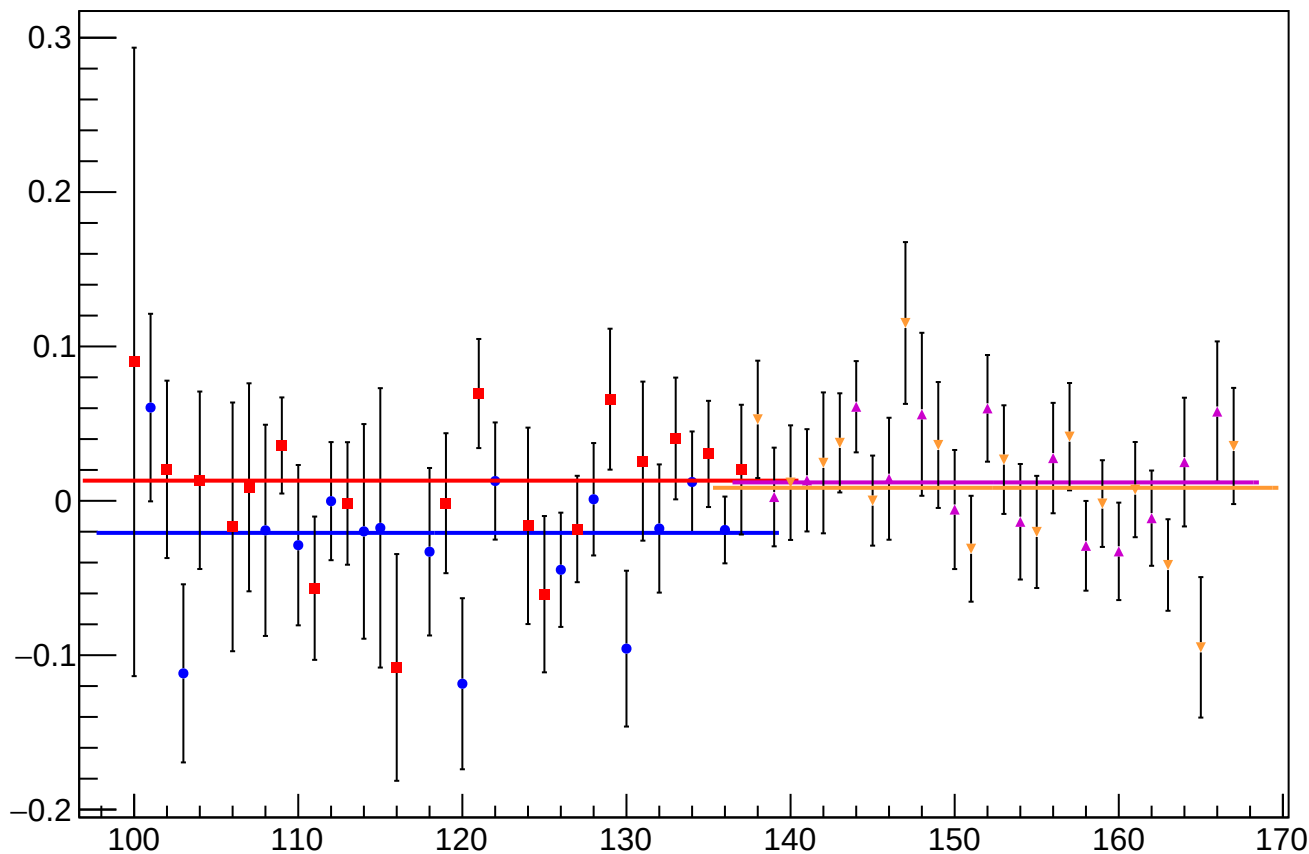
Left In: 31.393 ± 0.007 $\chi^2/\text{NDF}: 421662.0/13$

+ sign 29.205 ± 0.005 $\chi^2/\text{NDF}: 1773835.6/31$

All: 29.493 ± 0.003 $\chi^2/\text{NDF}: 3095596.6/64$

- sign 29.804 ± 0.005 $\chi^2/\text{NDF}: 1314193.7/32$

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: 0.008 ± 0.009 χ^2/NDF : 18.8/15

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

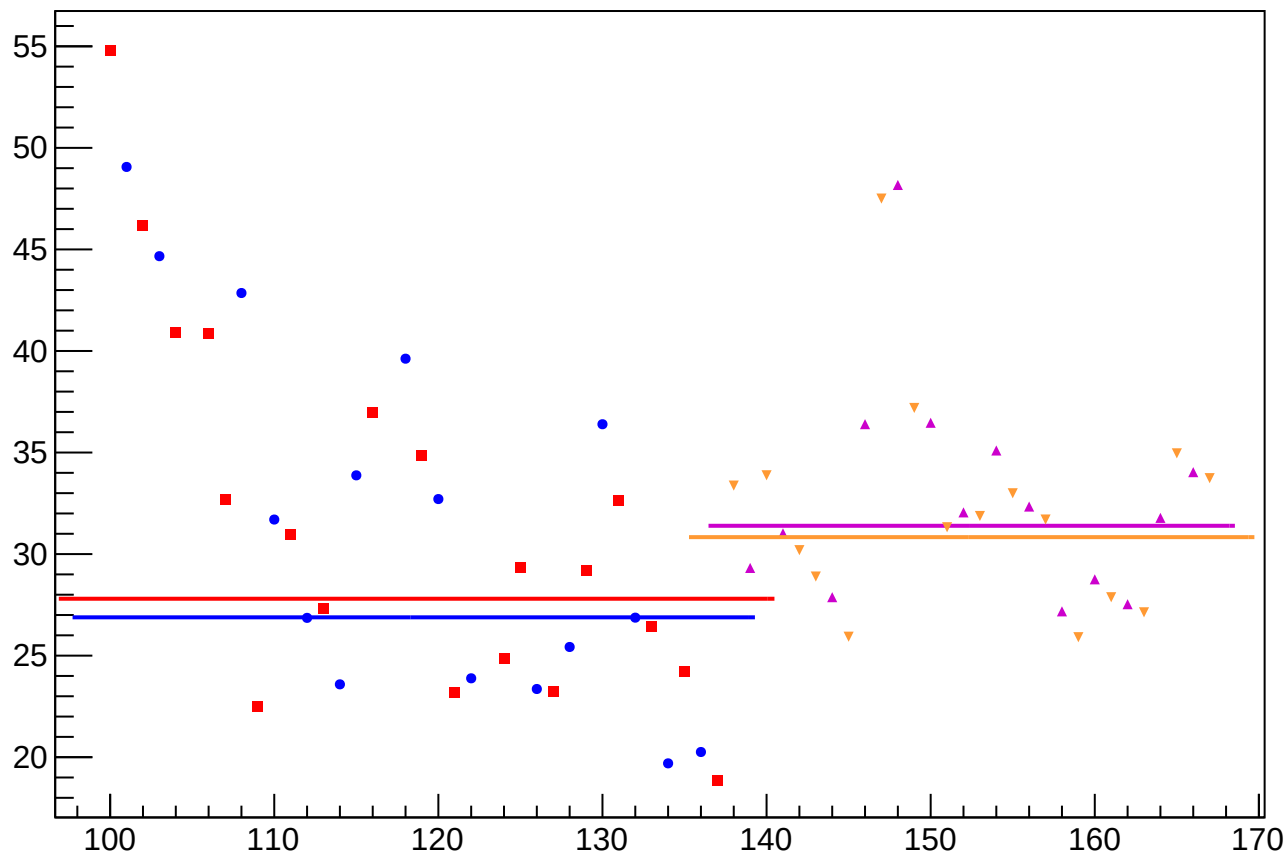
Left In: 0.012 ± 0.009 χ^2/NDF : 12.0/13

+ sign -0.004 ± 0.007 χ^2/NDF : 35.9/31

All: 0.004 ± 0.005 χ^2/NDF : 64.5/64

- sign 0.012 ± 0.007 χ^2/NDF : 25.9/32

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: 30.834 $\pm$ 0.006 χ^2/NDF : 487445.5/15

Right Out: 27.802 $\pm$ 0.007 χ^2/NDF : 763106.1/18

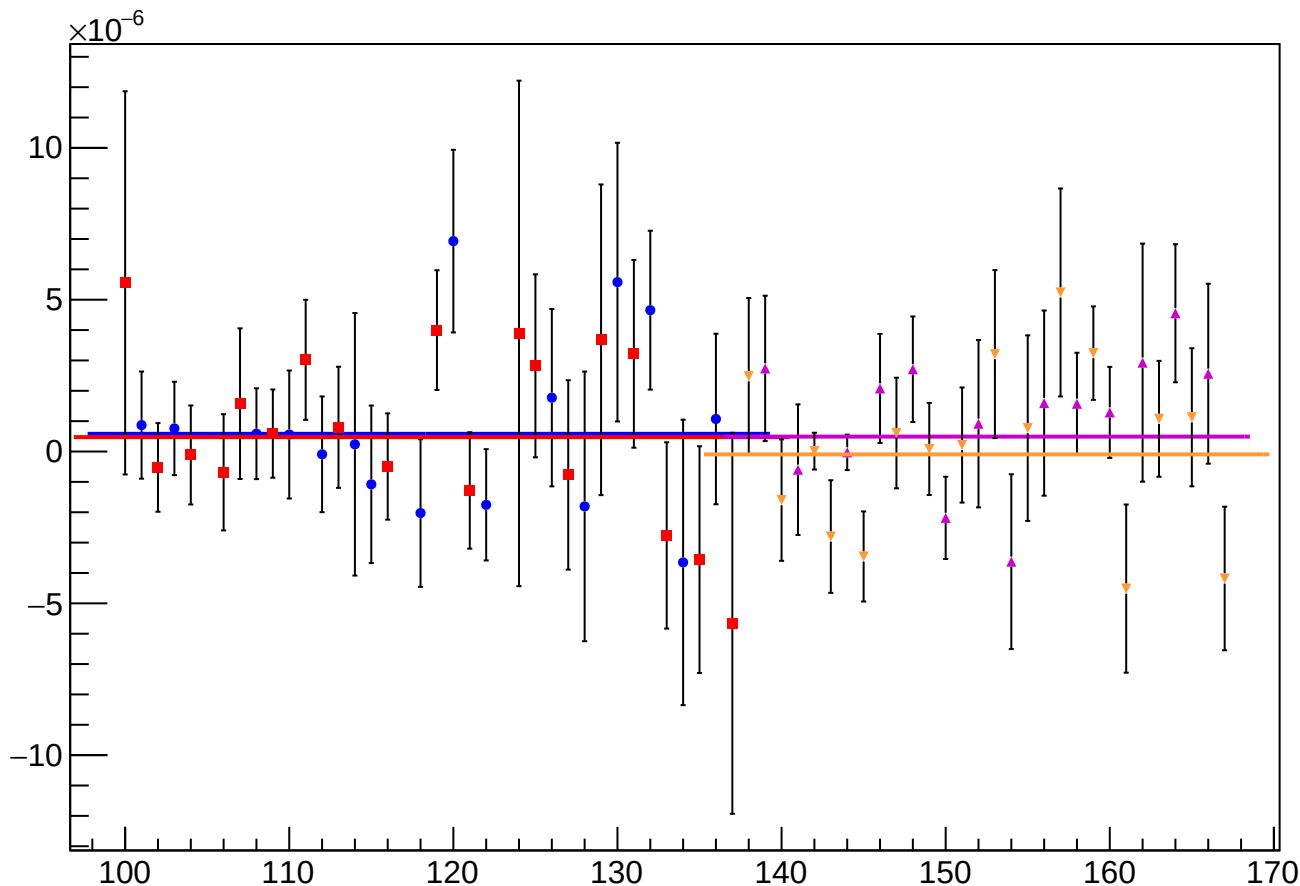
Left In: 31.393 $\pm$ 0.007 χ^2/NDF : 421662.0/13

+ sign 29.205 $\pm$ 0.005 χ^2/NDF : 1773835.6/31

All: 29.493 $\pm$ 0.003 χ^2/NDF : 3095596.6/64

- sign 29.804 $\pm$ 0.005 χ^2/NDF : 1314193.7/32

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: 23.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/18

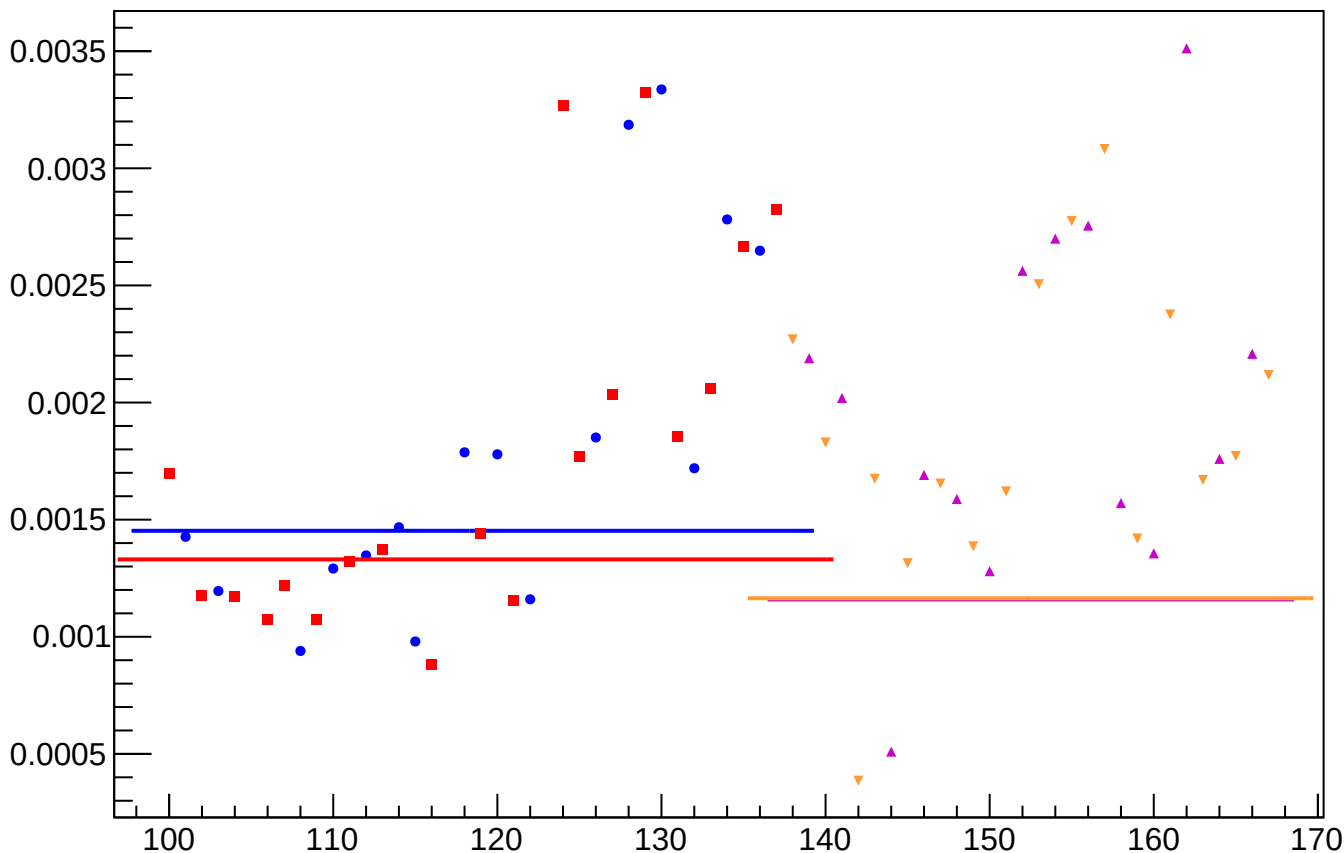
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.6/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/32

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2/NDF : 1710487.9/15

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 7068478.9/15

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 1402821.5/18

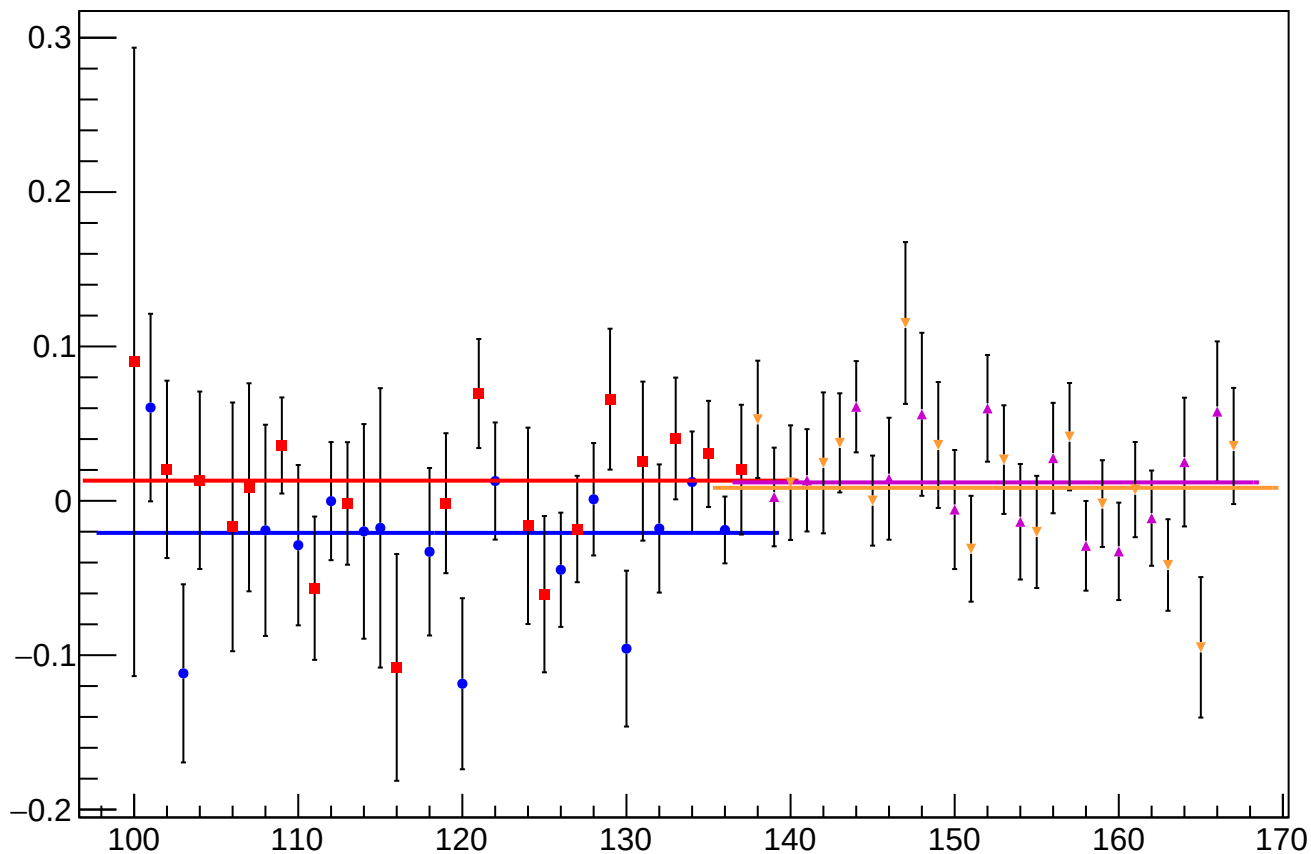
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 6379849.5/13

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 9118301.2/31

All: 0.001 $\pm$ 0.000 χ^2/NDF : 17045311.3/64

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 7917251.4/32

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: 0.008 ± 0.009 χ^2/NDF : 18.8/15

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

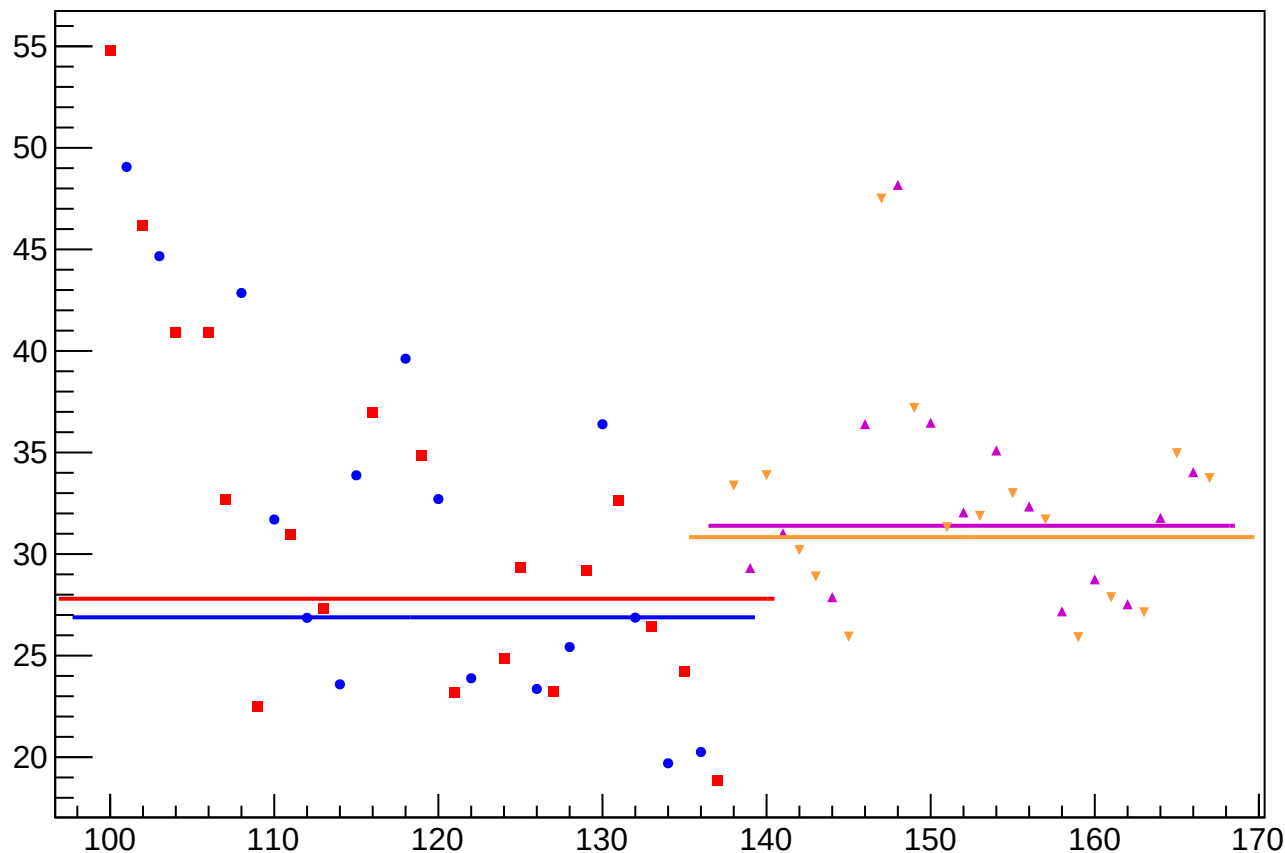
Left In: 0.012 ± 0.009 χ^2/NDF : 12.0/13

+ sign -0.004 ± 0.007 χ^2/NDF : 35.9/31

All: 0.004 ± 0.005 χ^2/NDF : 64.5/64

- sign 0.012 ± 0.007 χ^2/NDF : 25.9/32

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: 30.834 $\pm$ 0.006 χ^2 /NDF: 487560.5/15

Right Out: 27.800 $\pm$ 0.007 χ^2 /NDF: 763213.5/18

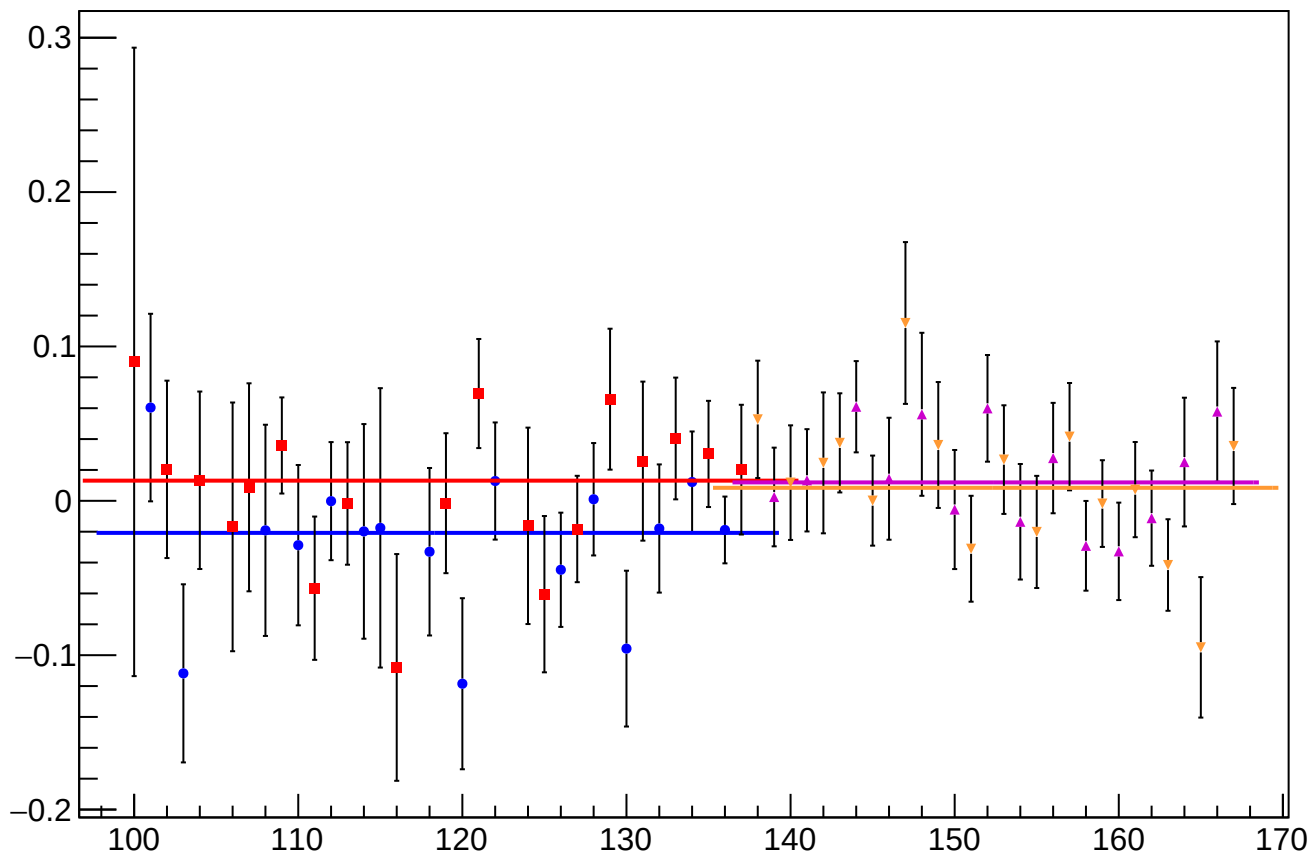
Left In: 31.393 $\pm$ 0.007 χ^2 /NDF: 421760.8/13

+ sign 29.205 $\pm$ 0.005 χ^2 /NDF: 1774026.3/31

All: 29.493 $\pm$ 0.003 χ^2 /NDF: 3096082.1/64

- sign 29.803 $\pm$ 0.005 χ^2 /NDF: 1314494.1/32

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: 0.008 ± 0.009 χ^2/NDF : 18.8/15

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

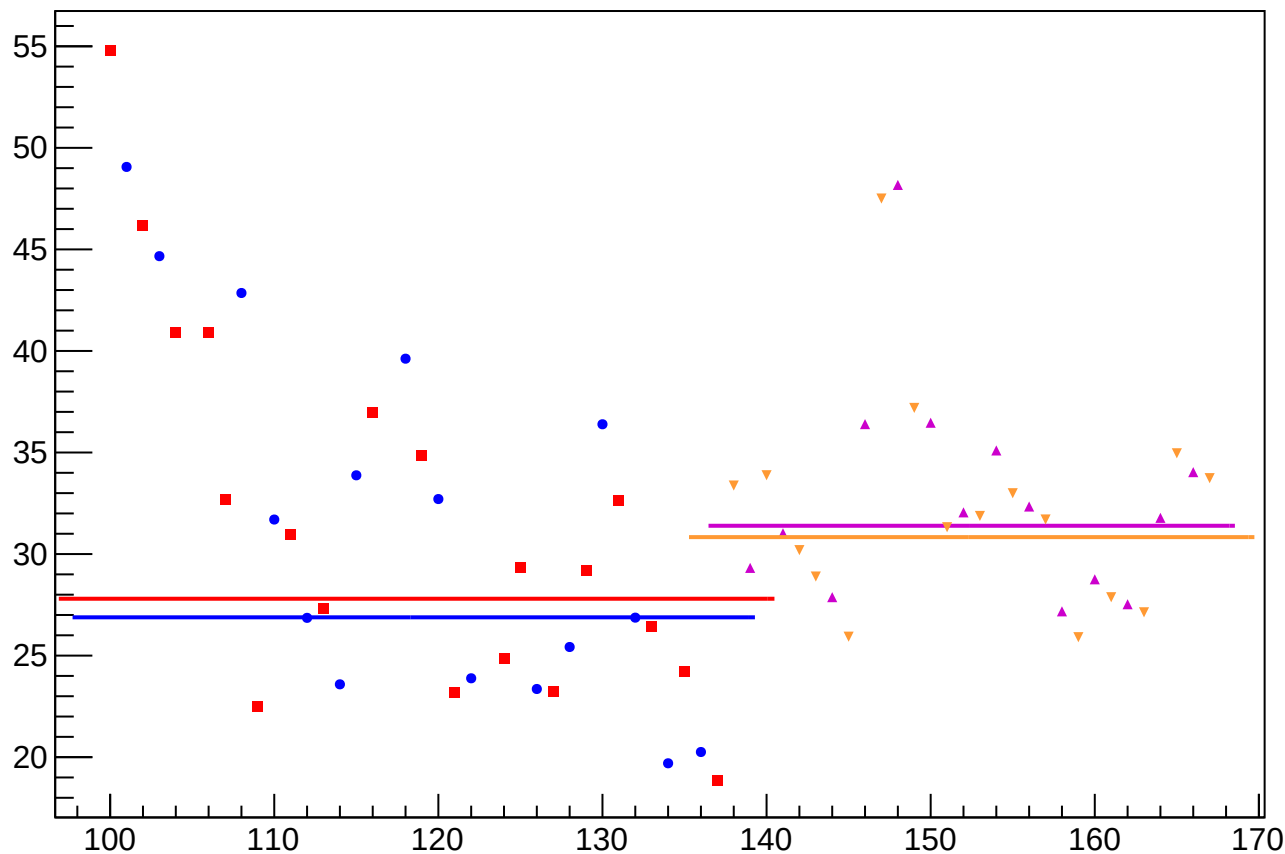
Left In: 0.012 ± 0.009 χ^2/NDF : 12.0/13

+ sign -0.004 ± 0.007 χ^2/NDF : 35.9/31

All: 0.004 ± 0.005 χ^2/NDF : 64.5/64

- sign 0.012 ± 0.007 χ^2/NDF : 25.9/32

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: 30.834 $\pm$ 0.006 χ^2/NDF : 487560.5/15

Right Out: 27.800 $\pm$ 0.007 χ^2/NDF : 763213.5/18

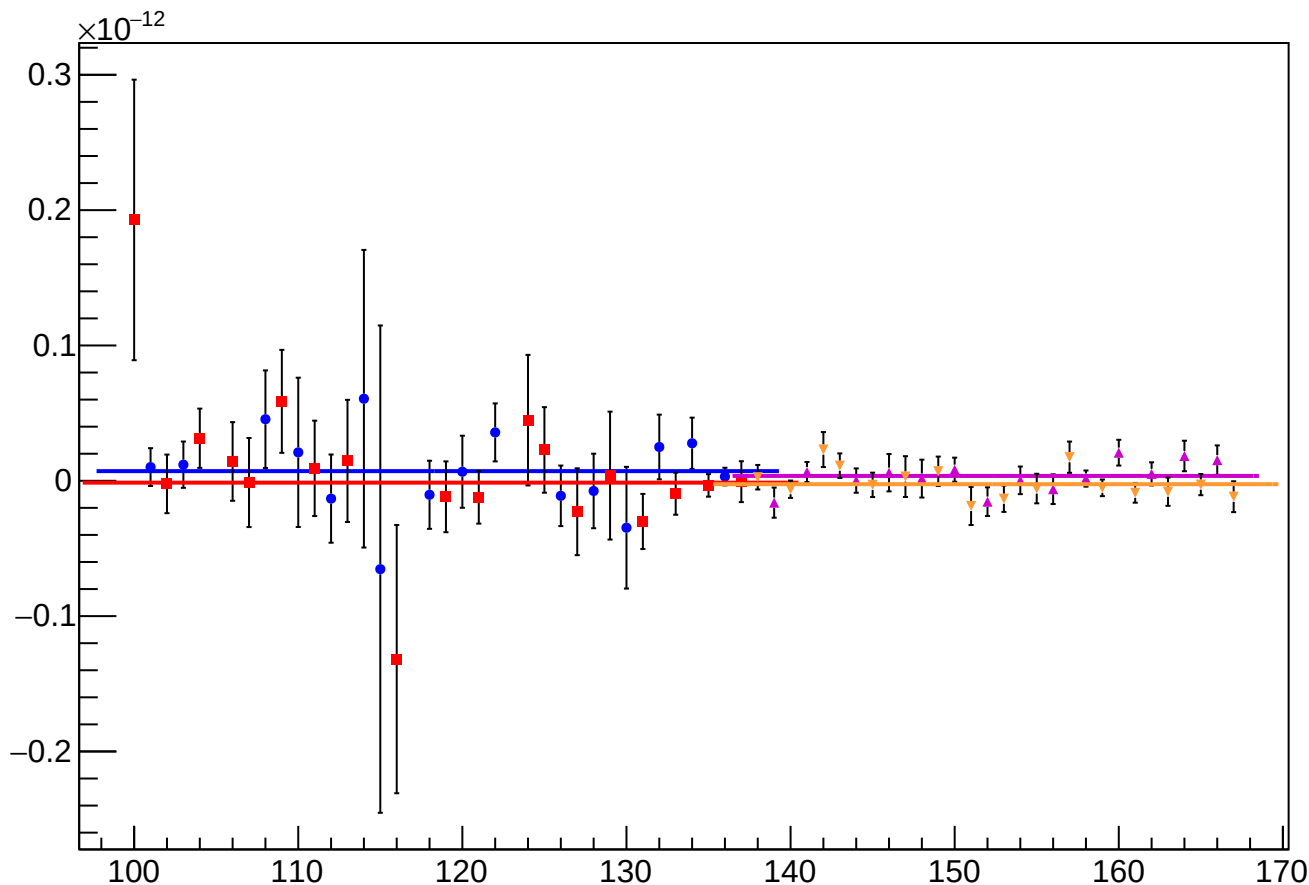
Left In: 31.393 $\pm$ 0.007 χ^2/NDF : 421760.8/13

+ sign 29.205 $\pm$ 0.005 χ^2/NDF : 1774026.3/31

All: 29.493 $\pm$ 0.003 χ^2/NDF : 3096082.1/64

- sign 29.803 $\pm$ 0.005 χ^2/NDF : 1314494.1/32

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:15.3/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/18

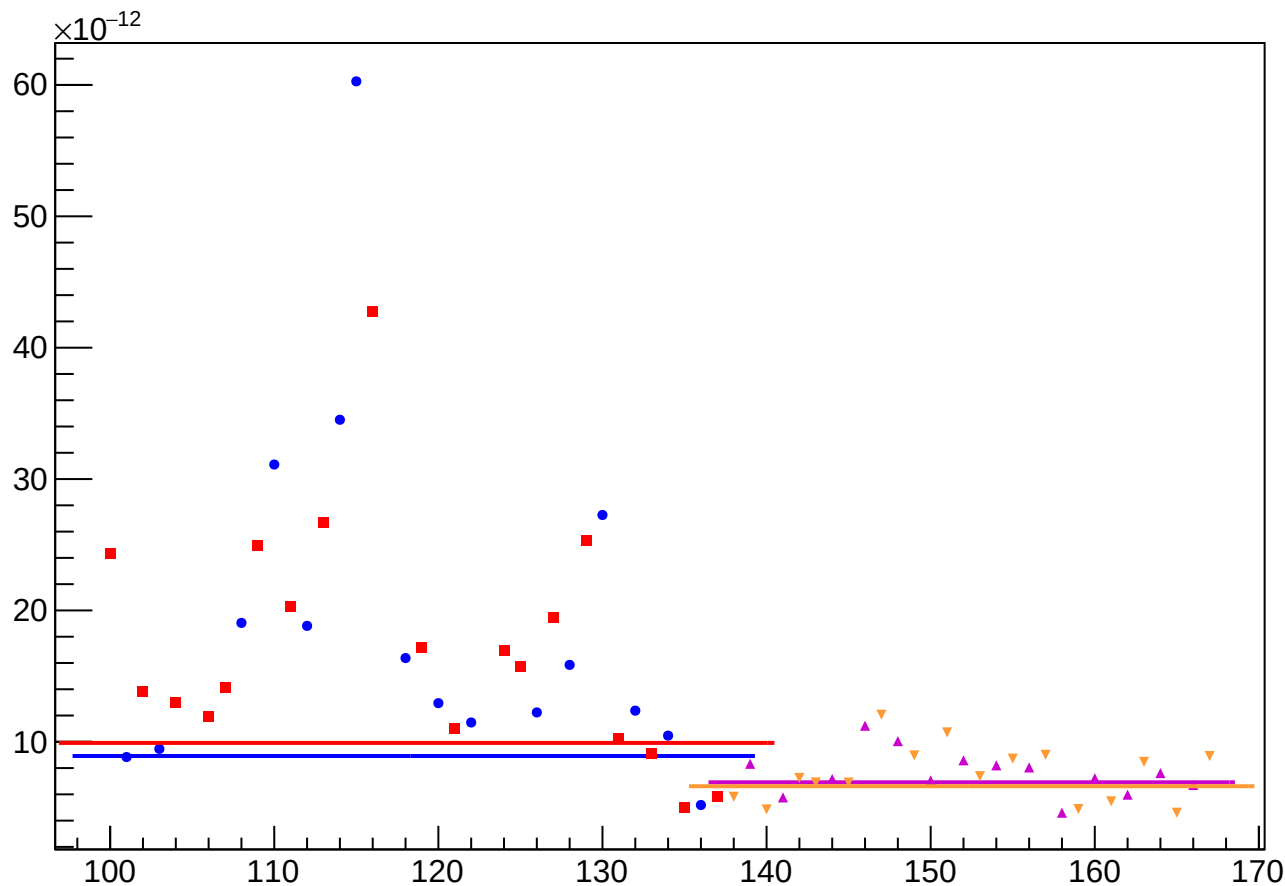
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.1/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 58.4/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.2/32

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 :1359207.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2669812.1/18

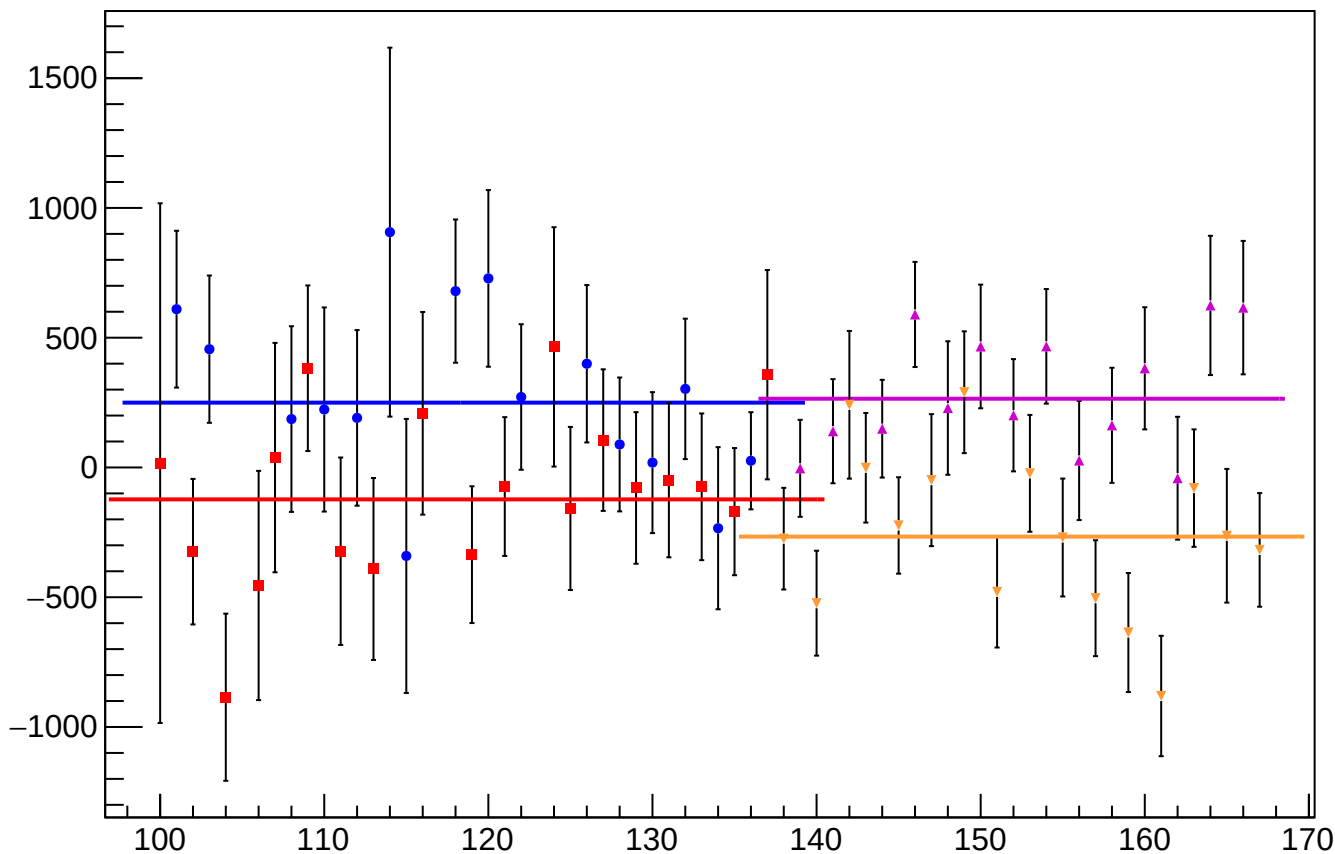
Left In: 0.000+/-0.000 χ^2/NDF :816545.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 4166167.0/31

All: 0.000+/-0.000 χ^2/NDF : 8280645.4/64

- sign 0.000+/-0.000 χ^2/NDF : 4069801.3/32

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761 $\pm$ 74.877 χ^2 /NDF: 13.8/15

Left Out: -266.471 $\pm$ 55.739 χ^2 /NDF:26.4/15

Right Out: -122.993 $\pm$ 74.370 χ^2 /NDF: 15.6/18

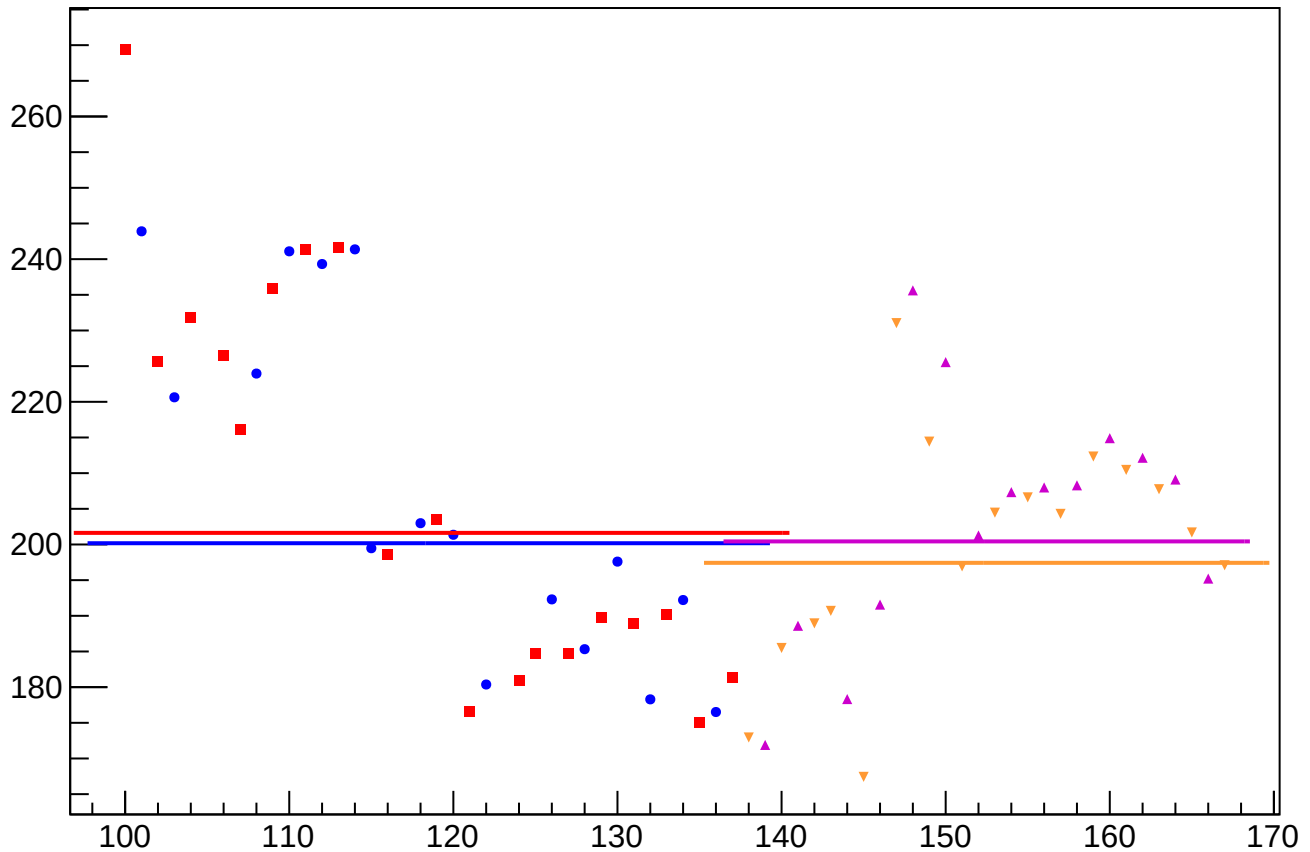
Left In: 264.844 $\pm$ 59.240 χ^2 /NDF:13.9/13

+ sign -82.406 $\pm$ 44.711 χ^2 /NDF: 70.8/31

All: 12.429 $\pm$ 32.175 χ^2 /NDF: 126.2/64

- sign 114.286 $\pm$ 46.337 χ^2 /NDF: 46.1/32

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.3/15

Left Out: 197.428 $\pm$ 0.039 χ^2 /NDF:166166.3/15

Right Out: 201.627 $\pm$ 0.053 χ^2 /NDF: 197245.7/18

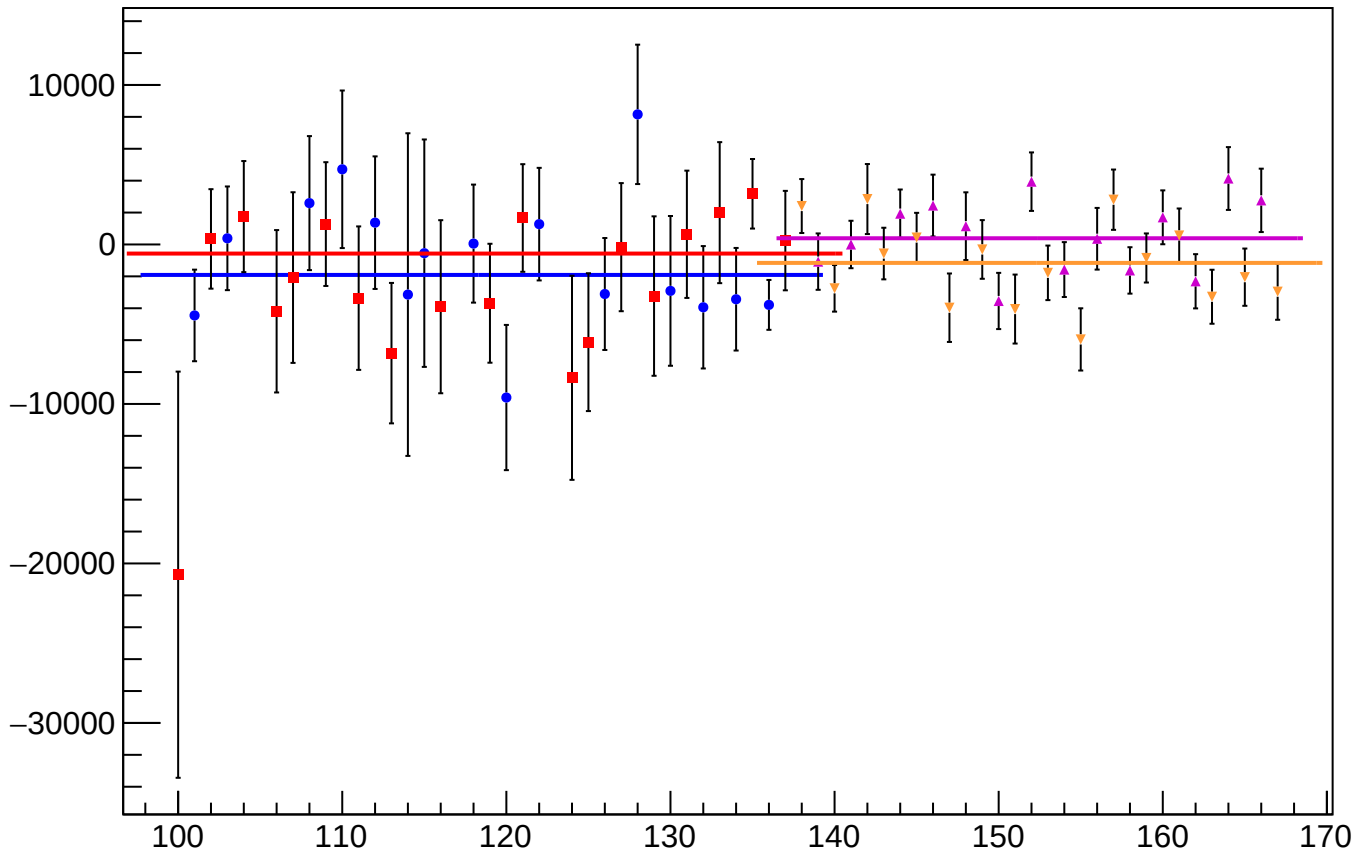
Left In: 200.431 $\pm$ 0.042 χ^2 /NDF:166745.0/13

+ sign 198.408 $\pm$ 0.032 χ^2 /NDF: 348902.0/31

All: 199.607 $\pm$ 0.023 χ^2 /NDF: 716193.6/64

- sign 200.895 $\pm$ 0.033 χ^2 /NDF: 364307.0/32

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348 ± 859.088 χ^2/NDF : 16.3/15

Left Out: -1155.812 ± 439.025 χ^2/NDF : 28.4/15

Right Out: -570.946 ± 900.451 χ^2/NDF : 14.6/18

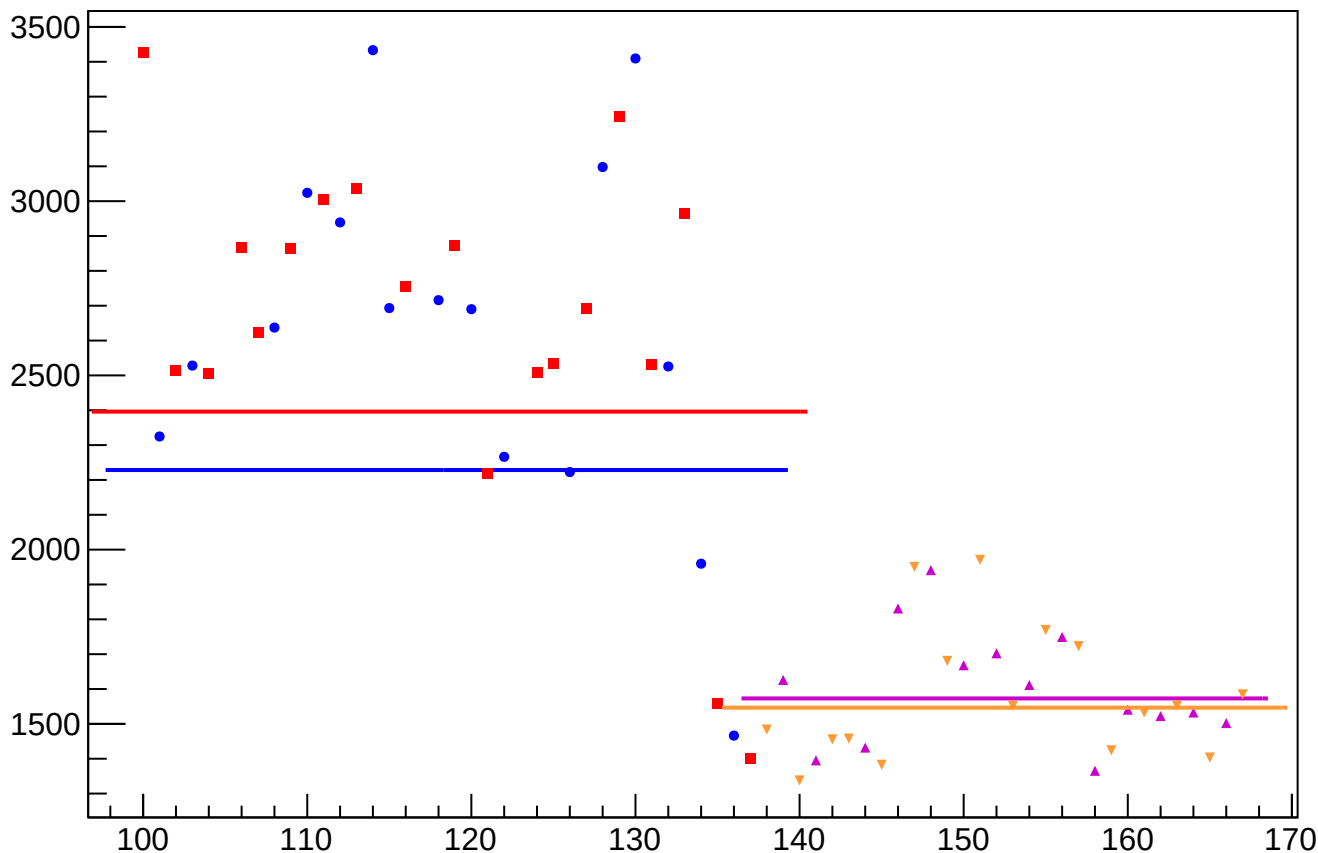
Left In: 388.760 ± 466.212 χ^2/NDF : 23.2/13

+ sign -1312.060 ± 390.935 χ^2/NDF : 45.2/31

All: -605.999 ± 284.241 χ^2/NDF : 90.8/64

- sign 185.879 ± 414.011 χ^2/NDF : 38.7/32

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431 $\pm$ 0.607 χ^2 /NDF: 947654.8/15

Left Out: 1546.562 $\pm$ 0.310 χ^2 /NDF: 303919.2/15

Right Out: 2396.080 $\pm$ 0.637 χ^2 /NDF: 799442.5/18

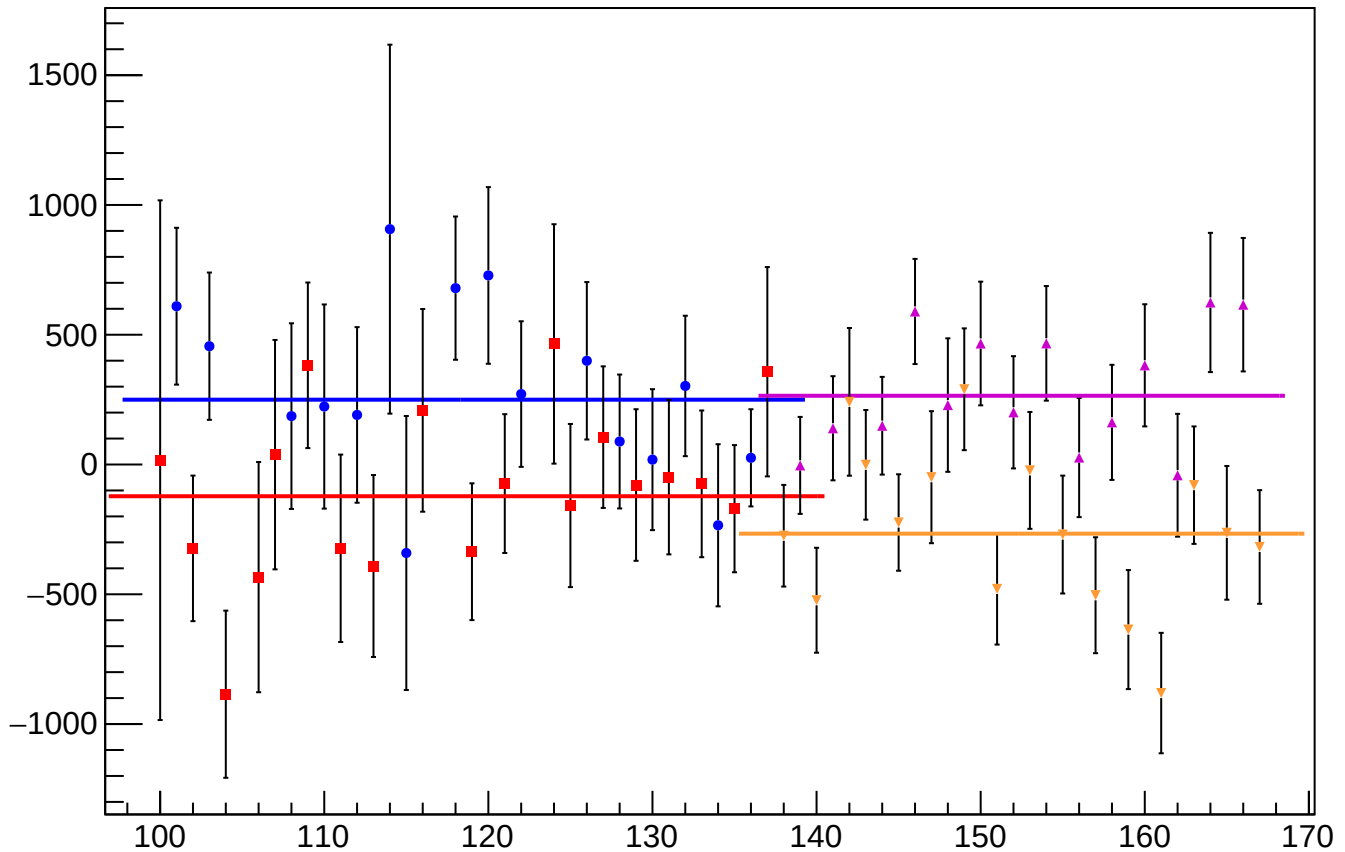
Left In: 1573.015 $\pm$ 0.330 χ^2 /NDF: 223403.6/13

+ sign 1687.762 $\pm$ 0.276 χ^2 /NDF: 2250624.9/31

All: 1715.689 $\pm$ 0.201 χ^2 /NDF: 4612879.9/64

- sign 1747.010 $\pm$ 0.293 χ^2 /NDF: 2340602.2/32

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 ± 74.877 χ^2/NDF : 13.8/15

Left Out: -266.465 ± 55.739 χ^2/NDF : 26.4/15

Right Out: -122.210 ± 74.380 χ^2/NDF : 15.5/18

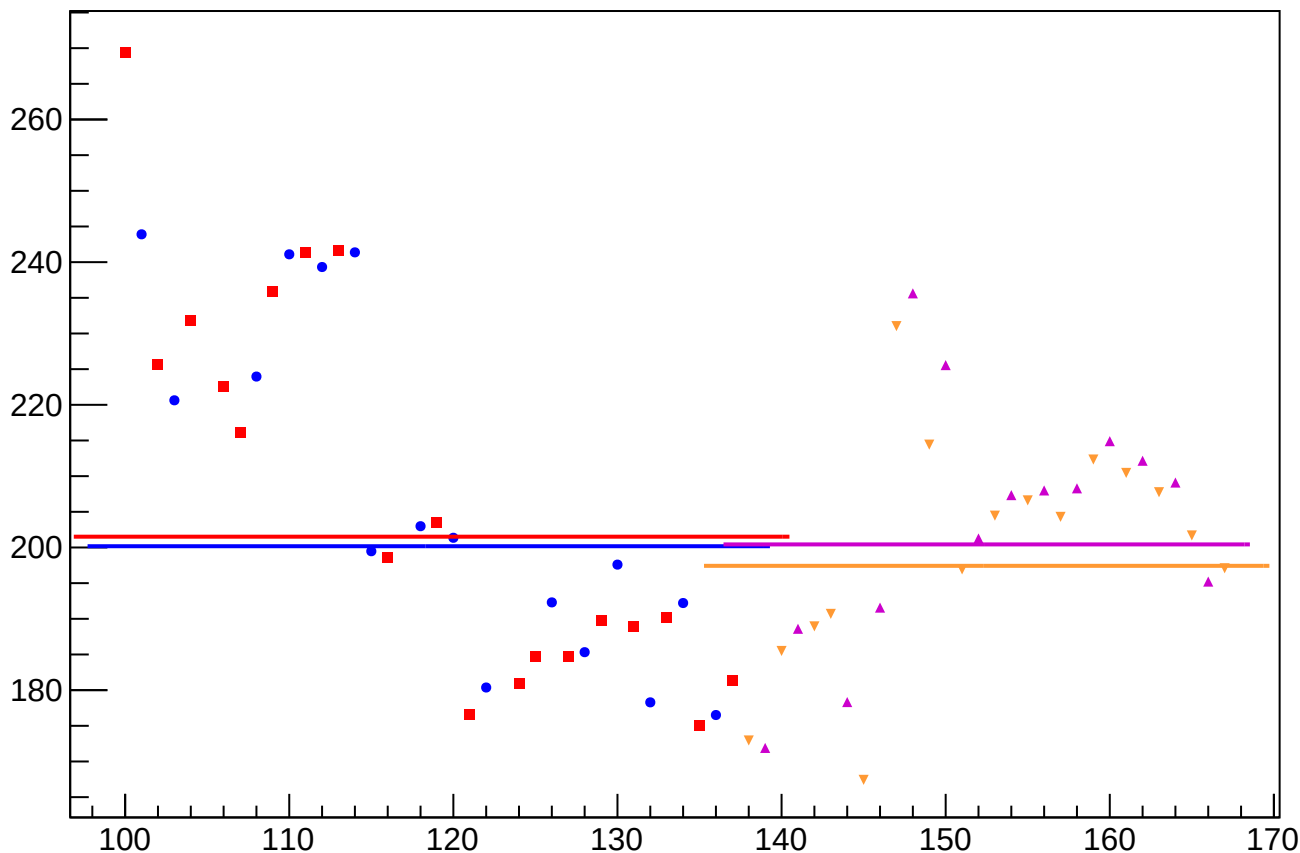
Left In: 264.844 ± 59.240 χ^2/NDF : 13.9/13

+ sign -82.401 ± 44.711 χ^2/NDF : 70.8/31

All: 12.585 ± 32.176 χ^2/NDF : 126.1/64

- sign 114.616 ± 46.339 χ^2/NDF : 46.0/32

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 197.428 $\pm$ 0.039 χ^2 /NDF: 166166.3/15

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

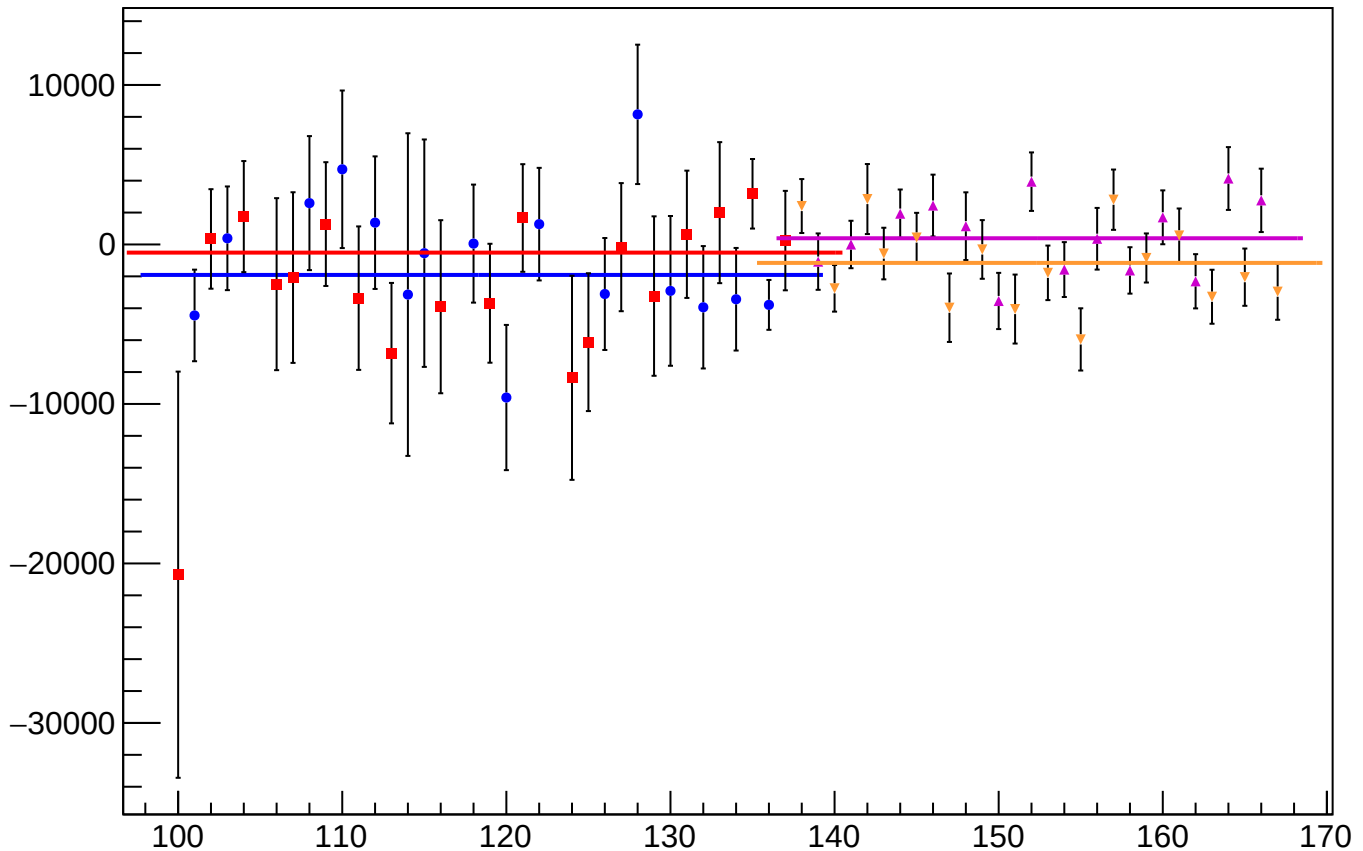
Left In: 200.431 $\pm$ 0.042 χ^2 /NDF: 166745.0/13

+ sign 198.408 $\pm$ 0.032 χ^2 /NDF: 348902.3/31

All: 199.586 $\pm$ 0.023 χ^2 /NDF: 714218.1/64

- sign 200.852 $\pm$ 0.033 χ^2 /NDF: 362435.6/32

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310 $\pm$ 859.089 χ^2/NDF : 16.3/15

Left Out: -1155.810 $\pm$ 439.025 χ^2/NDF : 28.4/15

Right Out: -511.276 $\pm$ 902.014 χ^2/NDF : 14.2/18

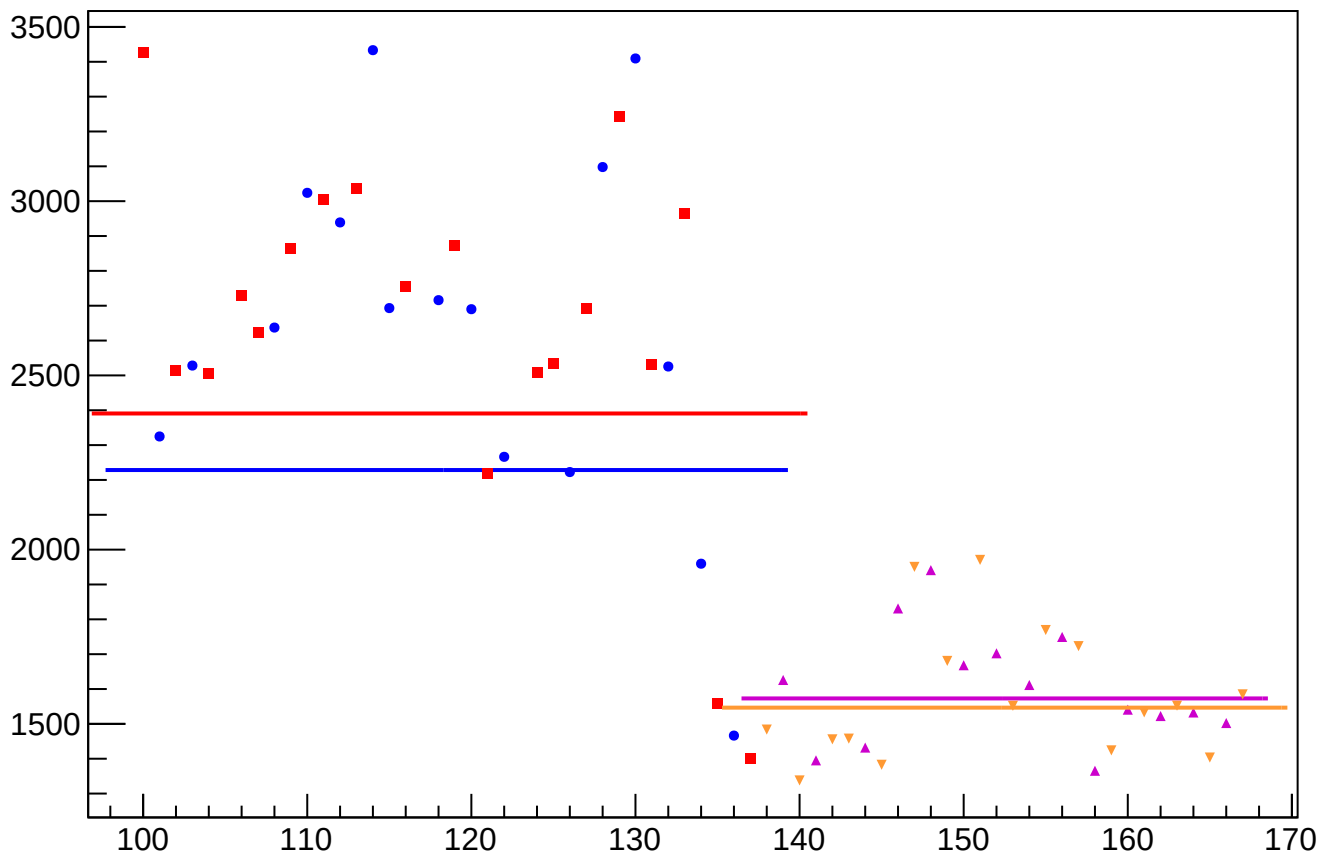
Left In: 388.753 $\pm$ 466.212 χ^2/NDF : 23.2/13

+ sign -1312.050 $\pm$ 390.935 χ^2/NDF : 45.2/31

All: -600.081 $\pm$ 284.290 χ^2/NDF : 90.5/64

- sign 199.007 $\pm$ 414.163 χ^2/NDF : 38.2/32

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF : 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF : 303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF : 790004.4/18

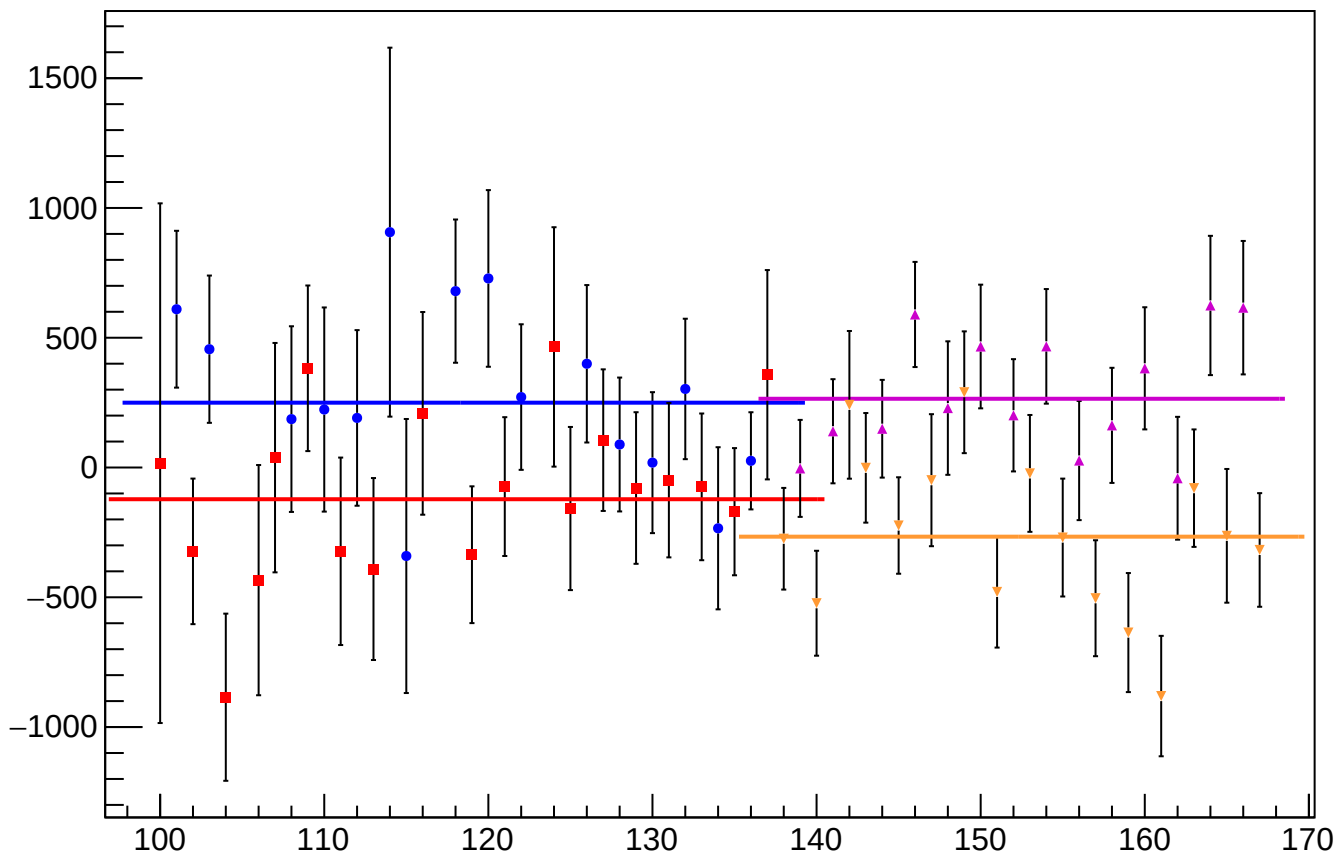
Left In: 1573.015+/-0.330 χ^2/NDF : 223403.7/13

+ sign 1687.763+/-0.276 χ^2/NDF : 2250636.0/31

All: 1714.923+/-0.201 χ^2/NDF : 4581661.6/64

- sign 1745.408+/-0.293 χ^2/NDF : 2310536.6/32

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 ± 74.877 χ^2/NDF : 13.8/15

Left Out: -266.465 ± 55.739 χ^2/NDF : 26.4/15

Right Out: -122.210 ± 74.380 χ^2/NDF : 15.5/18

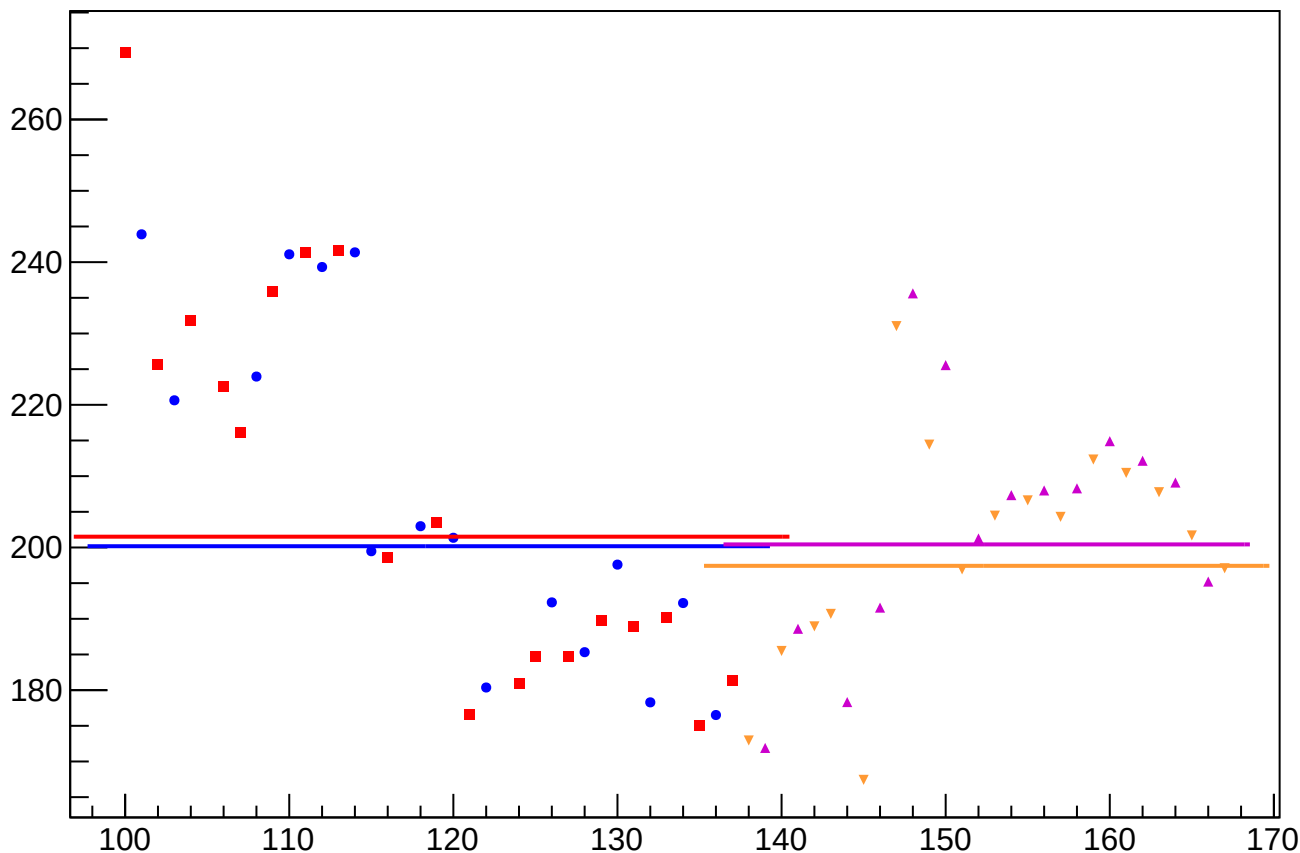
Left In: 264.844 ± 59.240 χ^2/NDF : 13.9/13

+ sign -82.401 ± 44.711 χ^2/NDF : 70.8/31

All: 12.585 ± 32.176 χ^2/NDF : 126.1/64

- sign 114.616 ± 46.339 χ^2/NDF : 46.0/32

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 197.428 $\pm$ 0.039 χ^2 /NDF:166166.3/15

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

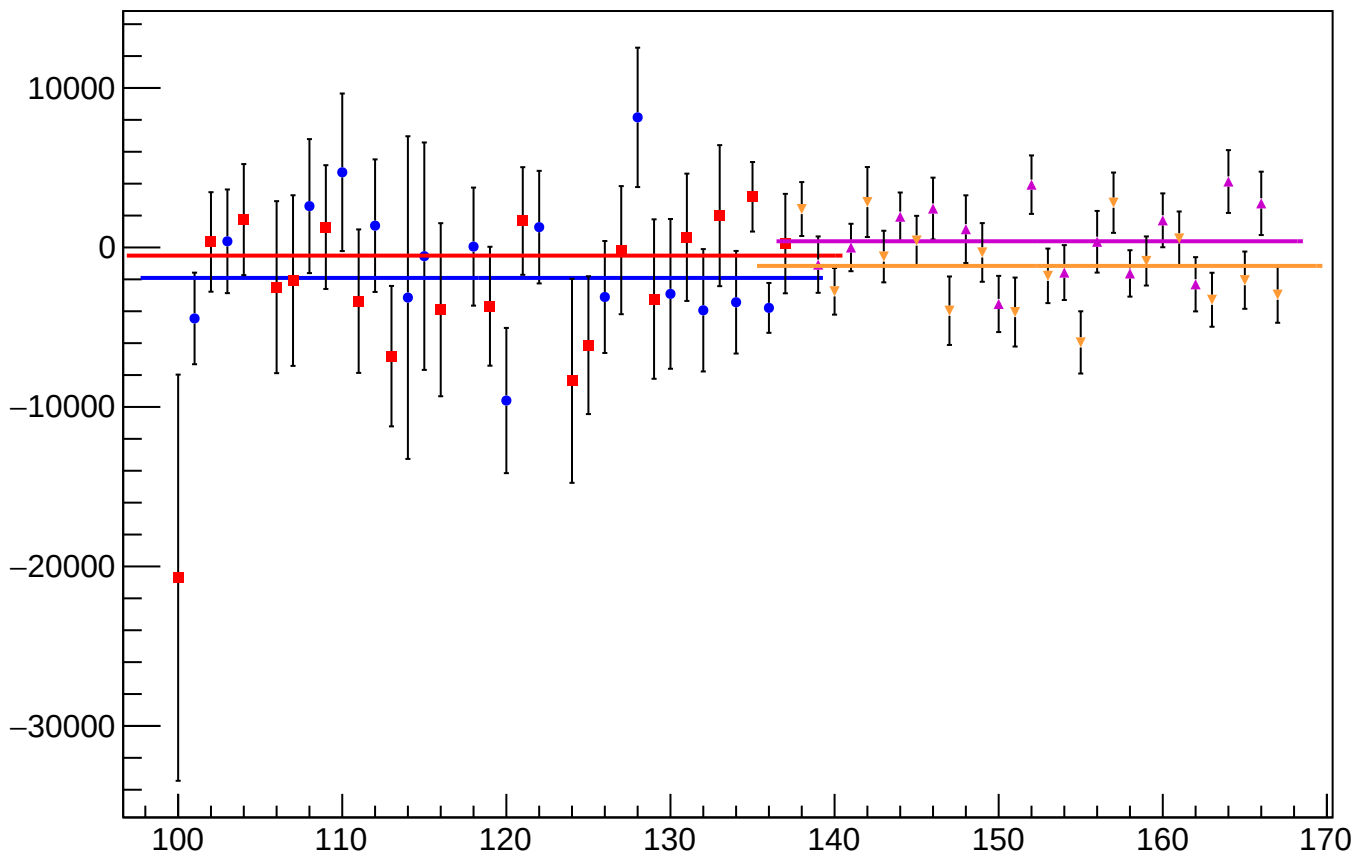
Left In: 200.431 $\pm$ 0.042 χ^2 /NDF:166745.0/13

+ sign 198.408 $\pm$ 0.032 χ^2 /NDF: 348902.3/31

All: 199.586 $\pm$ 0.023 χ^2 /NDF: 714218.1/64

- sign 200.852 $\pm$ 0.033 χ^2 /NDF: 362435.6/32

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: -1155.810 $\pm$ 439.025 χ^2 /NDF: 28.4/15

Right Out: -511.276 $\pm$ 902.014 χ^2 /NDF: 14.2/18

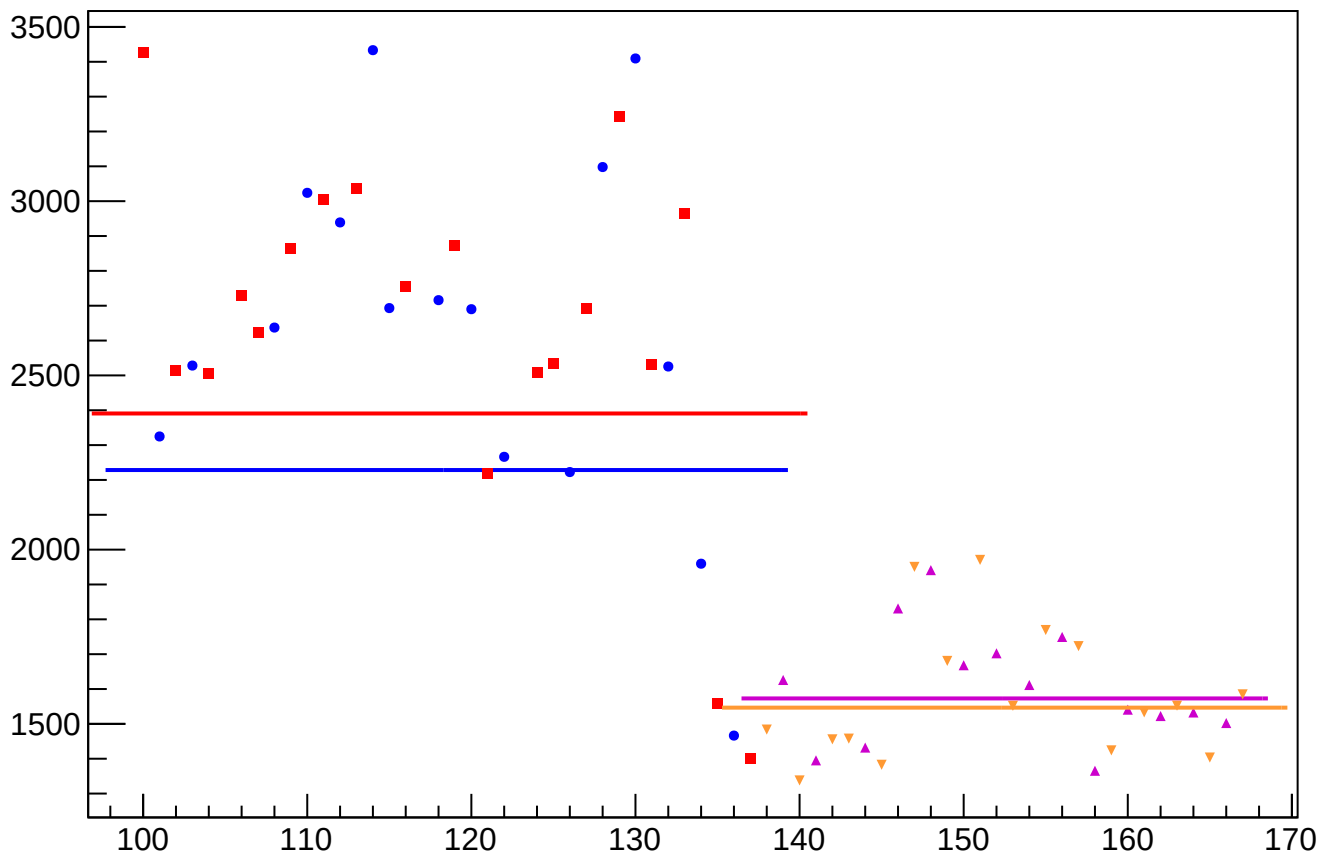
Left In: 388.753 $\pm$ 466.212 χ^2 /NDF: 23.2/13

+ sign -1312.050 $\pm$ 390.935 χ^2 /NDF: 45.2/31

All: -600.081 $\pm$ 284.290 χ^2 /NDF: 90.5/64

- sign 199.007 $\pm$ 414.163 χ^2 /NDF: 38.2/32

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF : 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF : 303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF : 790004.4/18

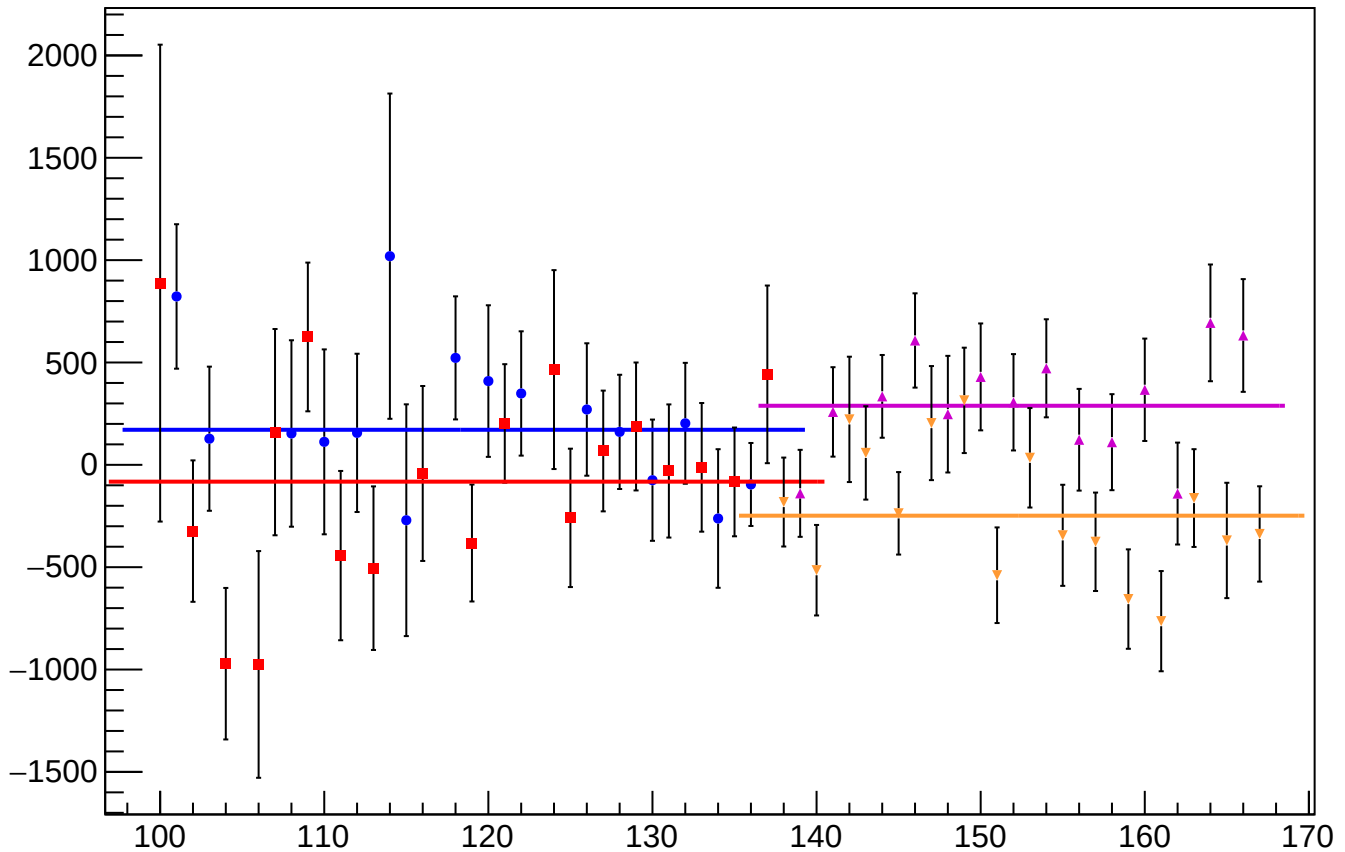
Left In: 1573.015+/-0.330 χ^2/NDF : 223403.7/13

+ sign 1687.763+/-0.276 χ^2/NDF : 2250636.0/31

All: 1714.923+/-0.201 χ^2/NDF : 4581661.6/64

- sign 1745.408+/-0.293 χ^2/NDF : 2310536.6/32

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258 ± 83.116 $\chi^2/\text{NDF}: 11.5/15$

Left Out: -248.376 ± 60.266 $\chi^2/\text{NDF}: 24.2/15$

Right Out: -82.152 ± 82.545 $\chi^2/\text{NDF}: 21.6/18$

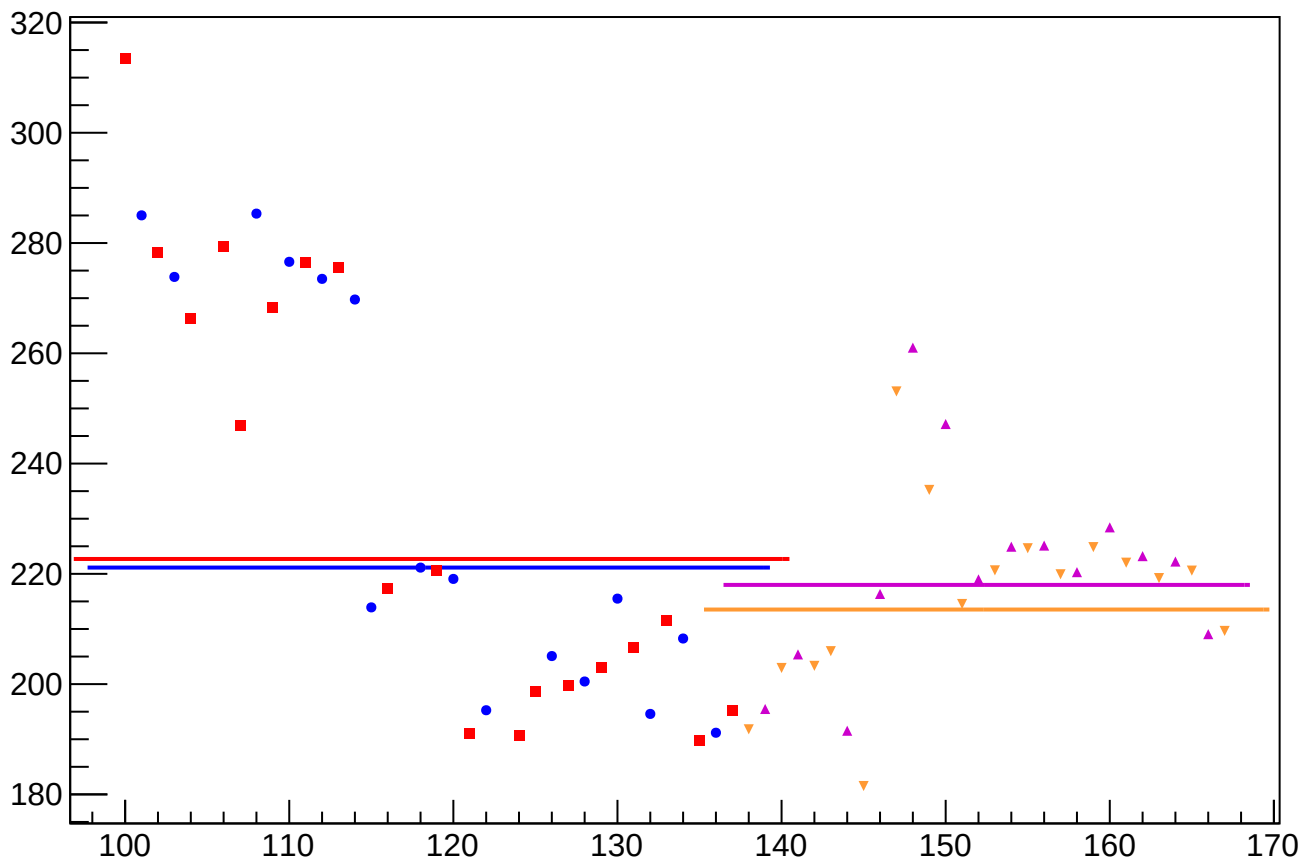
Left In: 288.609 ± 64.432 $\chi^2/\text{NDF}: 14.6/13$

+ sign -103.777 ± 48.790 $\chi^2/\text{NDF}: 52.4/31$

All: 17.168 ± 35.186 $\chi^2/\text{NDF}: 113.9/64$

- sign 148.236 ± 50.791 $\chi^2/\text{NDF}: 48.8/32$

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139 $\pm$ 0.059 χ^2 /NDF: 318702.0/15

Left Out: 213.527 $\pm$ 0.043 χ^2 /NDF:150930.9/15

Right Out: 222.697 $\pm$ 0.058 χ^2 /NDF: 327032.3/18

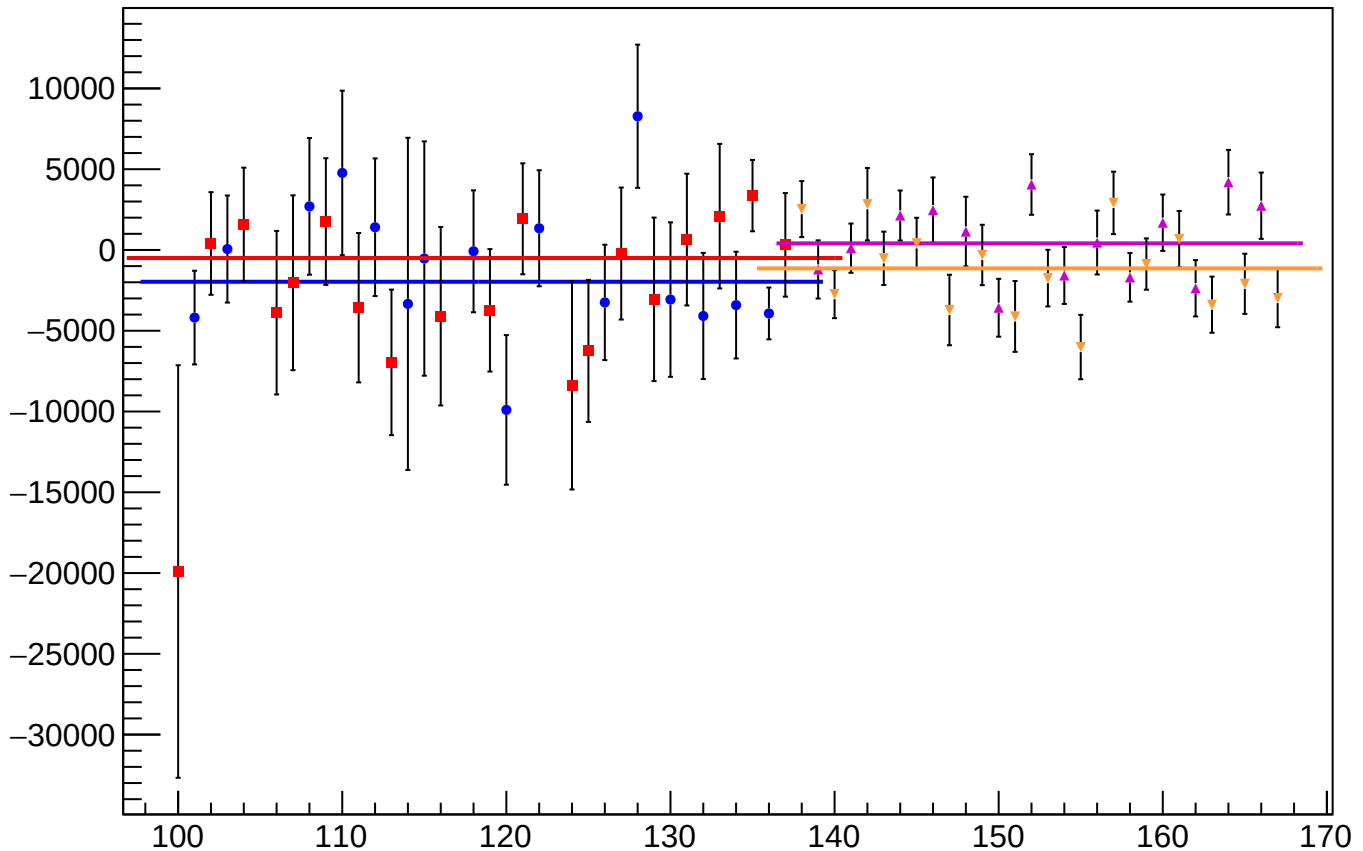
Left In: 217.994 $\pm$ 0.046 χ^2 /NDF:144491.7/13

+ sign 216.150 $\pm$ 0.034 χ^2 /NDF: 480626.7/31

All: 217.890 $\pm$ 0.025 χ^2 /NDF: 961482.6/64

- sign 219.775 $\pm$ 0.036 χ^2 /NDF: 475558.7/32

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414 ± 876.610 χ^2/NDF : 16.2/15

Left Out: -1139.384 ± 449.471 χ^2/NDF : 27.9/15

Right Out: -497.281 ± 914.759 χ^2/NDF : 14.8/18

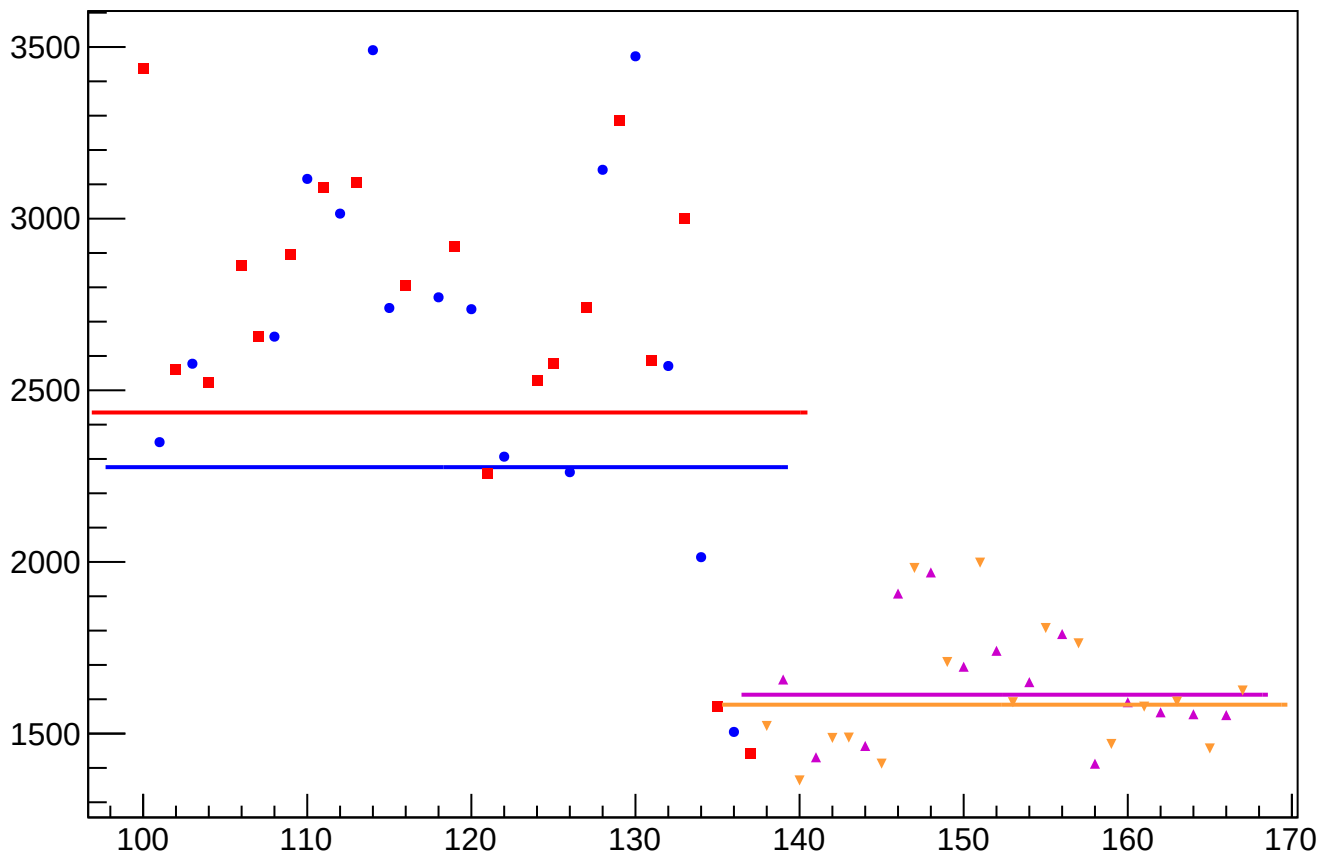
Left In: 408.612 ± 478.002 χ^2/NDF : 23.2/13

+ sign -1311.756 ± 399.961 χ^2/NDF : 44.7/31

All: -592.579 ± 290.829 χ^2/NDF : 90.3/64

- sign 214.310 ± 423.649 χ^2/NDF : 38.7/32

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF : 926982.8/15

Left Out: 1584.213+/-0.318 χ^2/NDF : 290421.3/15

Right Out: 2435.354+/-0.647 χ^2/NDF : 791515.5/18

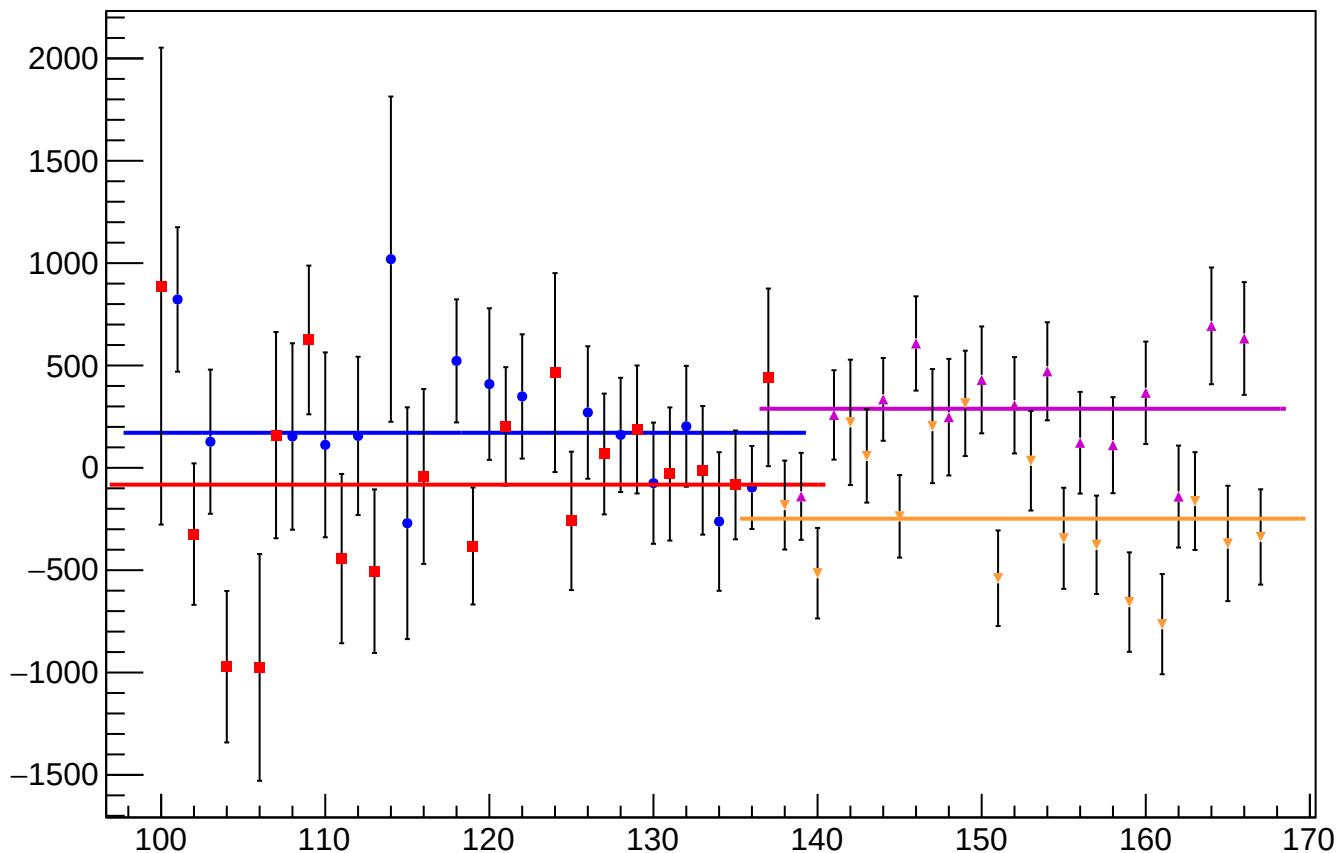
Left In: 1613.265+/-0.338 χ^2/NDF : 216991.9/13

+ sign 1728.251+/-0.283 χ^2/NDF : 2204051.5/31

All: 1757.159+/-0.206 χ^2/NDF : 4503573.9/64

- sign 1789.592+/-0.300 χ^2/NDF : 2277353.4/32

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260 ± 83.115 $\chi^2/\text{NDF}: 11.5/15$

Left Out: -248.377 ± 60.266 $\chi^2/\text{NDF}: 24.2/15$

Right Out: -82.150 ± 82.545 $\chi^2/\text{NDF}: 21.6/18$

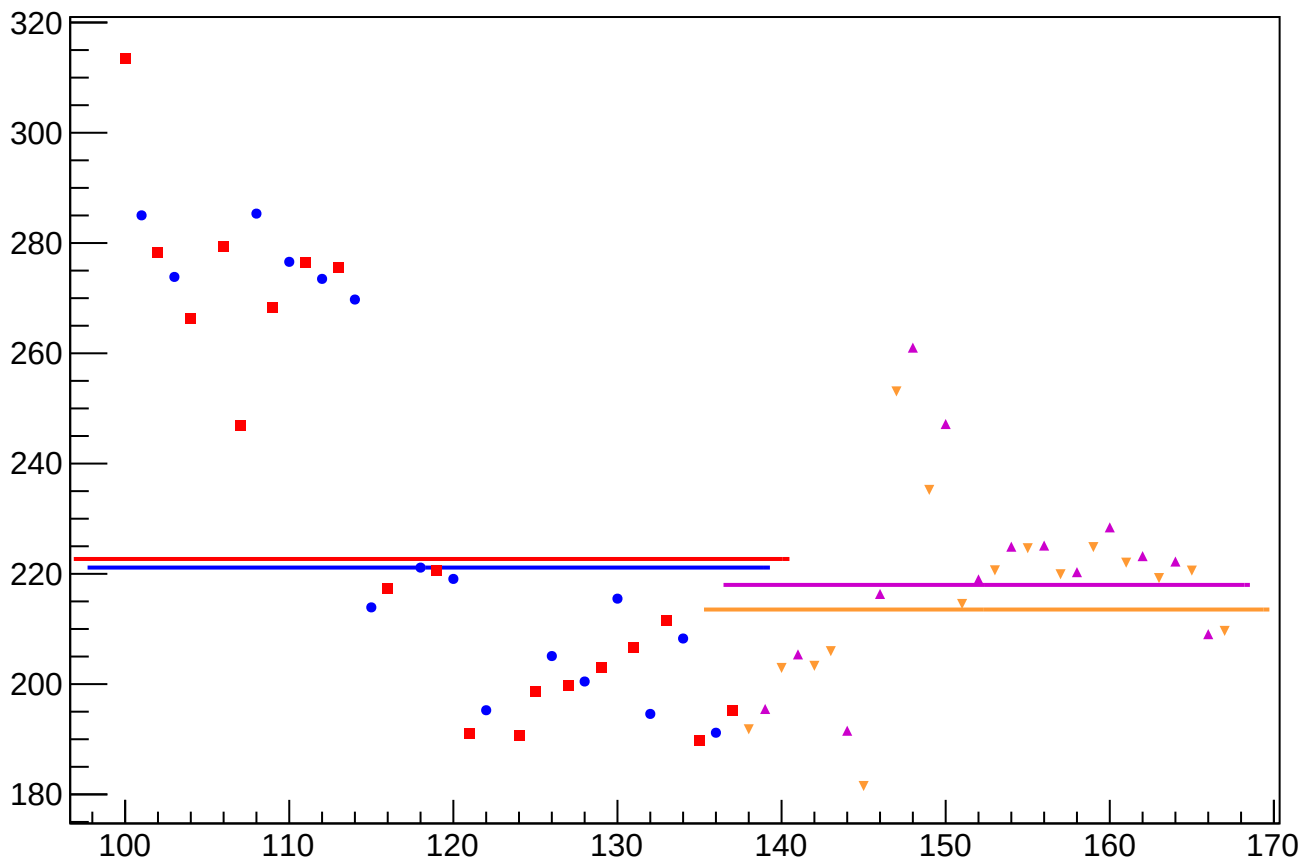
Left In: 288.612 ± 64.432 $\chi^2/\text{NDF}: 14.6/13$

+ sign -103.776 ± 48.790 $\chi^2/\text{NDF}: 52.4/31$

All: 17.169 ± 35.186 $\chi^2/\text{NDF}: 113.9/64$

- sign 148.238 ± 50.791 $\chi^2/\text{NDF}: 48.8/32$

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138 $\pm$ 0.059 χ^2 /NDF: 318696.9/15

Left Out: 213.527 $\pm$ 0.043 χ^2 /NDF:150935.0/15

Right Out: 222.696 $\pm$ 0.058 χ^2 /NDF: 327025.2/18

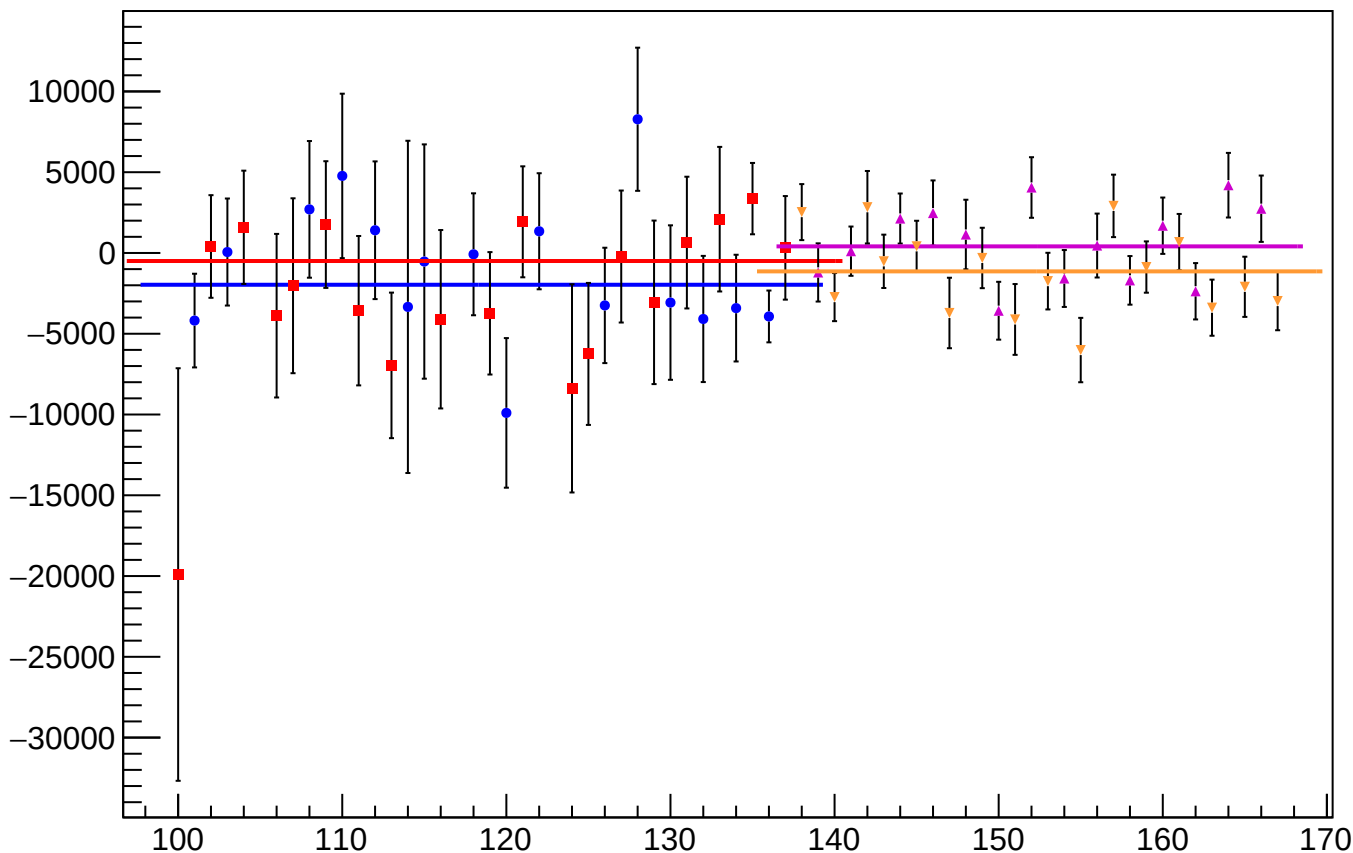
Left In: 217.994 $\pm$ 0.046 χ^2 /NDF:144494.0/13

+ sign 216.150 $\pm$ 0.034 χ^2 /NDF: 480622.7/31

All: 217.889 $\pm$ 0.025 χ^2 /NDF: 961472.7/64

- sign 219.774 $\pm$ 0.036 χ^2 /NDF: 475552.6/32

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -1967.409 ± 876.608 χ^2/NDF : 16.2/15

Left Out: -1139.383 ± 449.471 χ^2/NDF : 27.9/15

Right Out: -497.282 ± 914.757 χ^2/NDF : 14.8/18

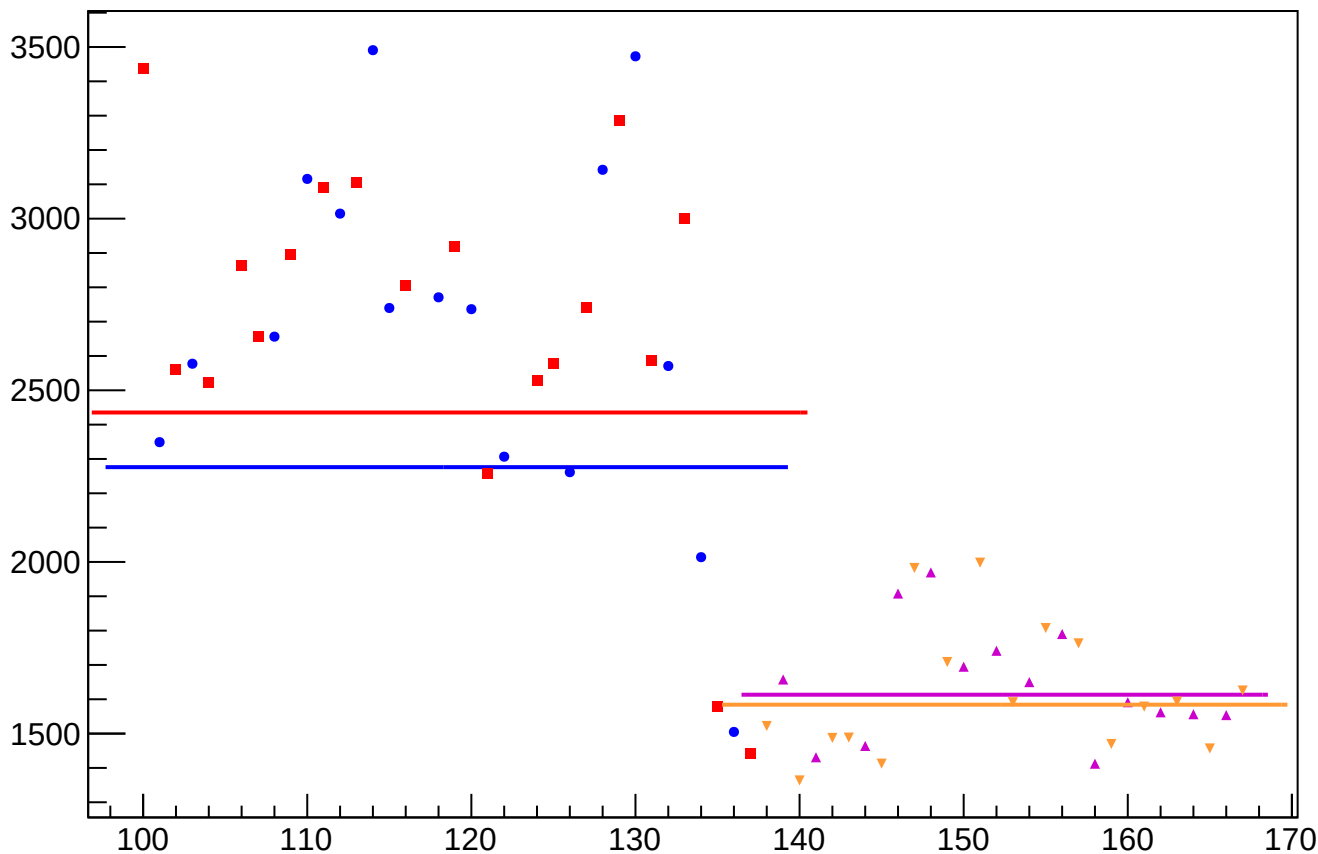
Left In: 408.612 ± 478.002 χ^2/NDF : 23.2/13

+ sign -1311.755 ± 399.961 χ^2/NDF : 44.7/31

All: -592.579 ± 290.829 χ^2/NDF : 90.3/64

- sign 214.309 ± 423.649 χ^2/NDF : 38.7/32

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: 1584.213 $\pm$ 0.318 χ^2 /NDF: 290424.4/15

Right Out: 2435.351 $\pm$ 0.647 χ^2 /NDF: 791509.5/18

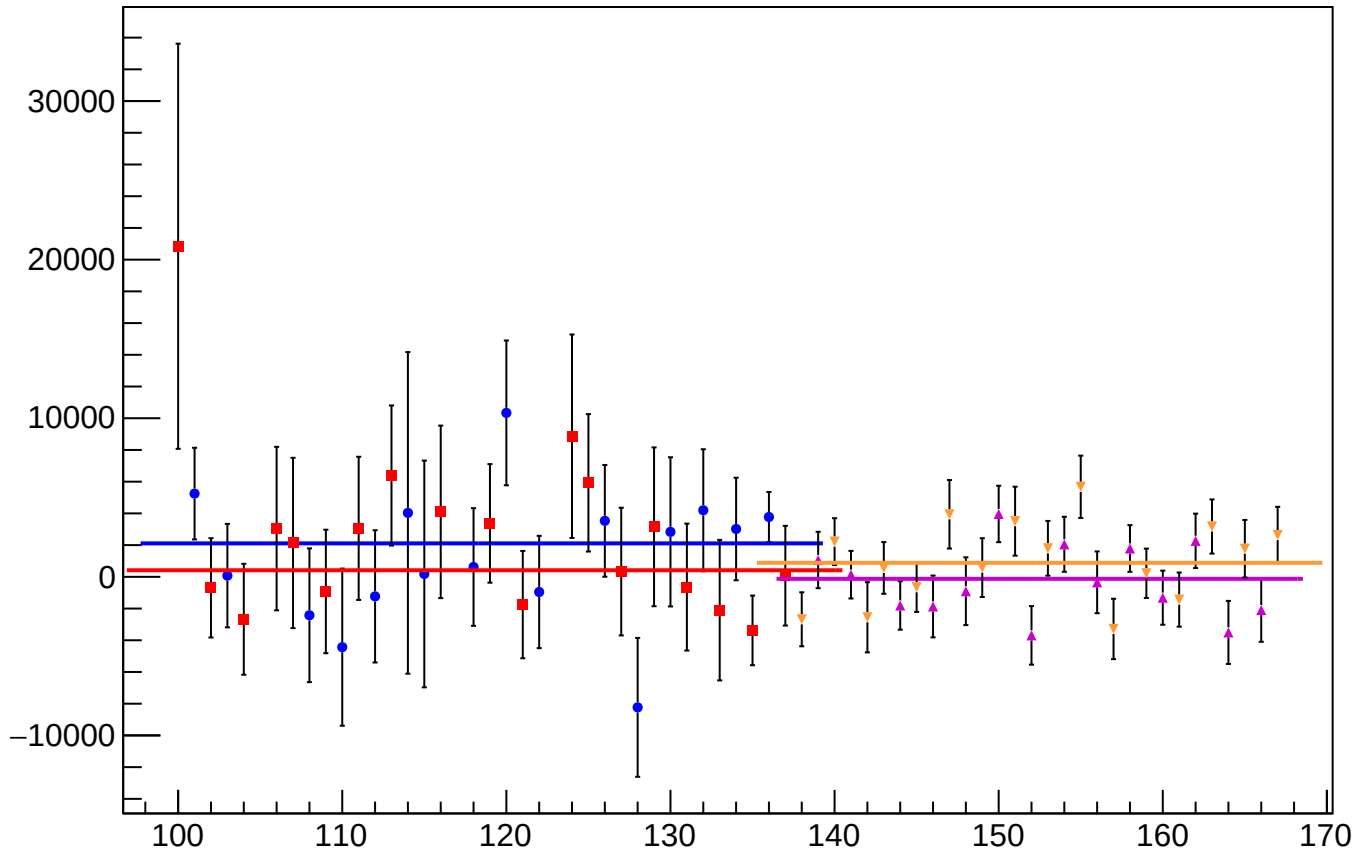
Left In: 1613.264 $\pm$ 0.338 χ^2 /NDF: 216993.2/13

+ sign 1728.251 $\pm$ 0.283 χ^2 /NDF: 2204040.3/31

All: 1757.158 $\pm$ 0.206 χ^2 /NDF: 4503550.9/64

- sign 1789.591 $\pm$ 0.300 χ^2 /NDF: 2277341.6/32

asym_sam_26_dd_mean vs Slug



Right In: 2109.537 ± 863.291 $\chi^2/\text{NDF}: 16.6/15$

Left Out: 884.104 ± 442.744 $\chi^2/\text{NDF}: 28.2/15$

Right Out: 414.095 ± 904.414 $\chi^2/\text{NDF}: 14.7/18$

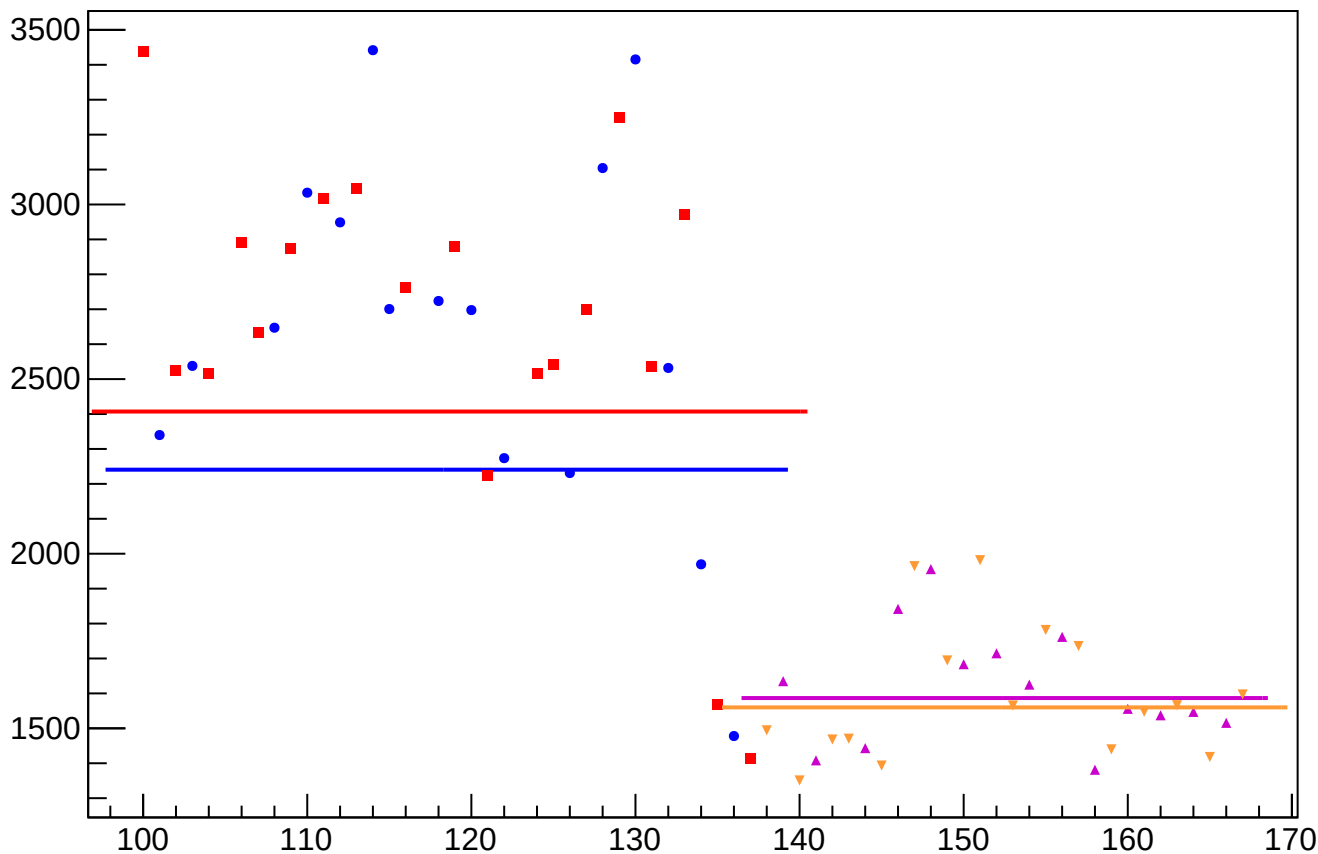
Left In: -127.071 ± 470.190 $\chi^2/\text{NDF}: 21.2/13$

+ sign 1139.297 ± 393.955 $\chi^2/\text{NDF}: 46.4/31$

All: 596.621 ± 286.427 $\chi^2/\text{NDF}: 86.6/64$

- sign -11.927 ± 417.180 $\chi^2/\text{NDF}: 36.1/32$

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF : 933590.8/15

Left Out: 1559.948+/-0.313 χ^2/NDF : 298837.6/15

Right Out: 2407.124+/-0.640 χ^2/NDF : 788976.1/18

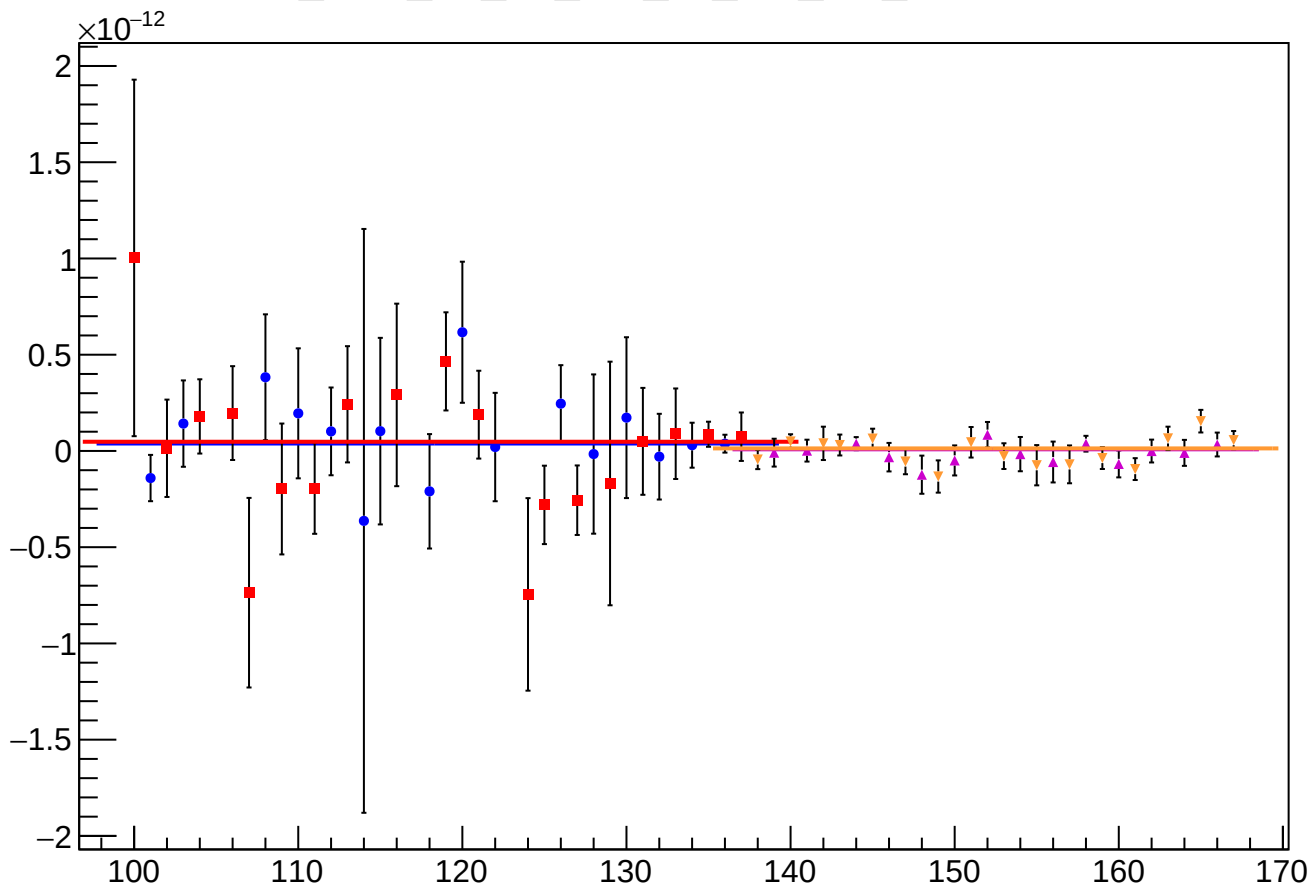
Left In: 1586.701+/-0.332 χ^2/NDF : 218530.0/13

+ sign 1701.697+/-0.279 χ^2/NDF : 2216867.5/31

All: 1729.776+/-0.203 χ^2/NDF : 4541529.7/64

- sign 1761.264+/-0.295 χ^2/NDF : 2303108.5/32

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:21.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

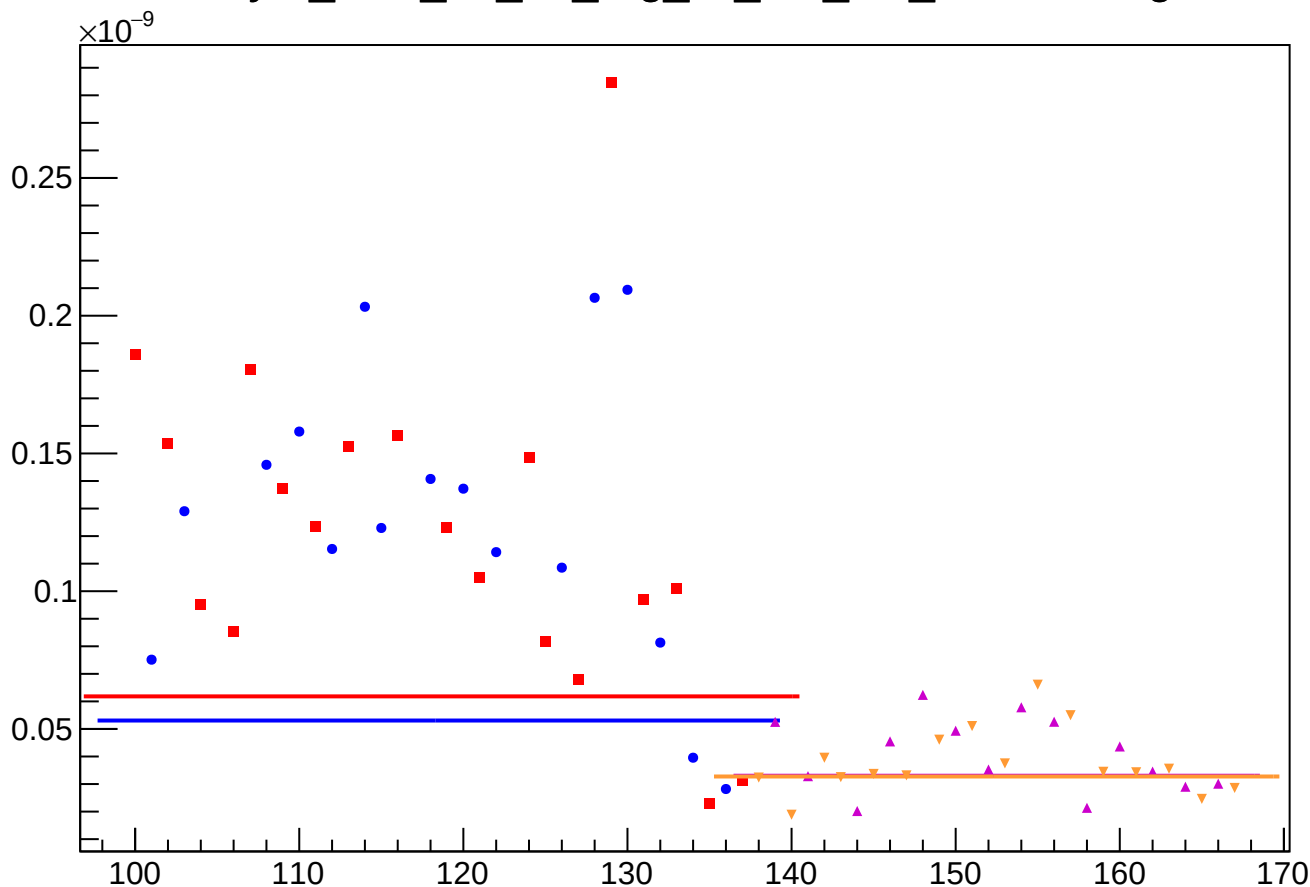
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/32

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 : 821893.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2416437.9/18

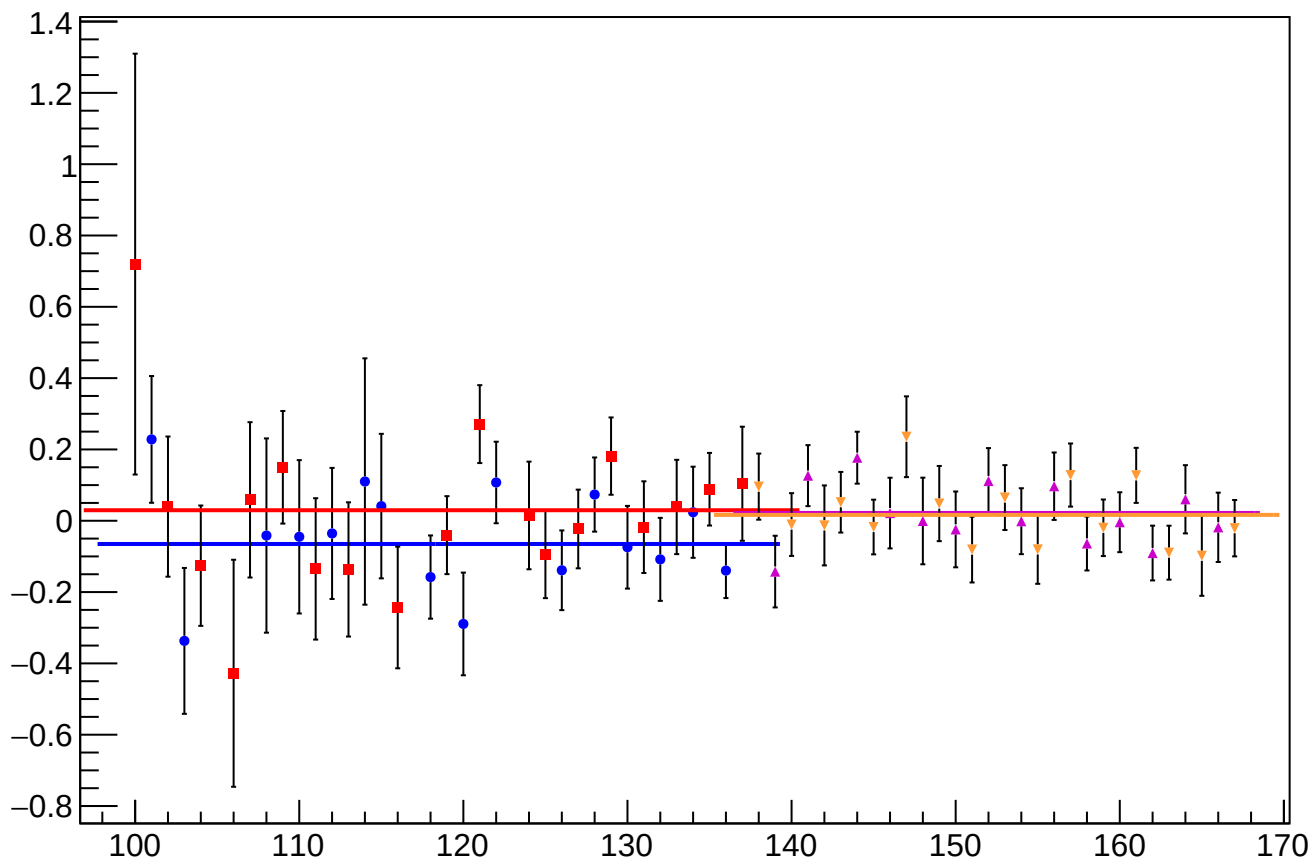
Left In: 0.000+/-0.000 χ^2/NDF : 1195778.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 3933659.9/31

All: 0.000+/-0.000 χ^2/NDF : 8324589.1/64

- sign 0.000+/-0.000 χ^2/NDF : 4387075.3/32

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: 0.016 ± 0.022 χ^2/NDF : 14.6/15

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

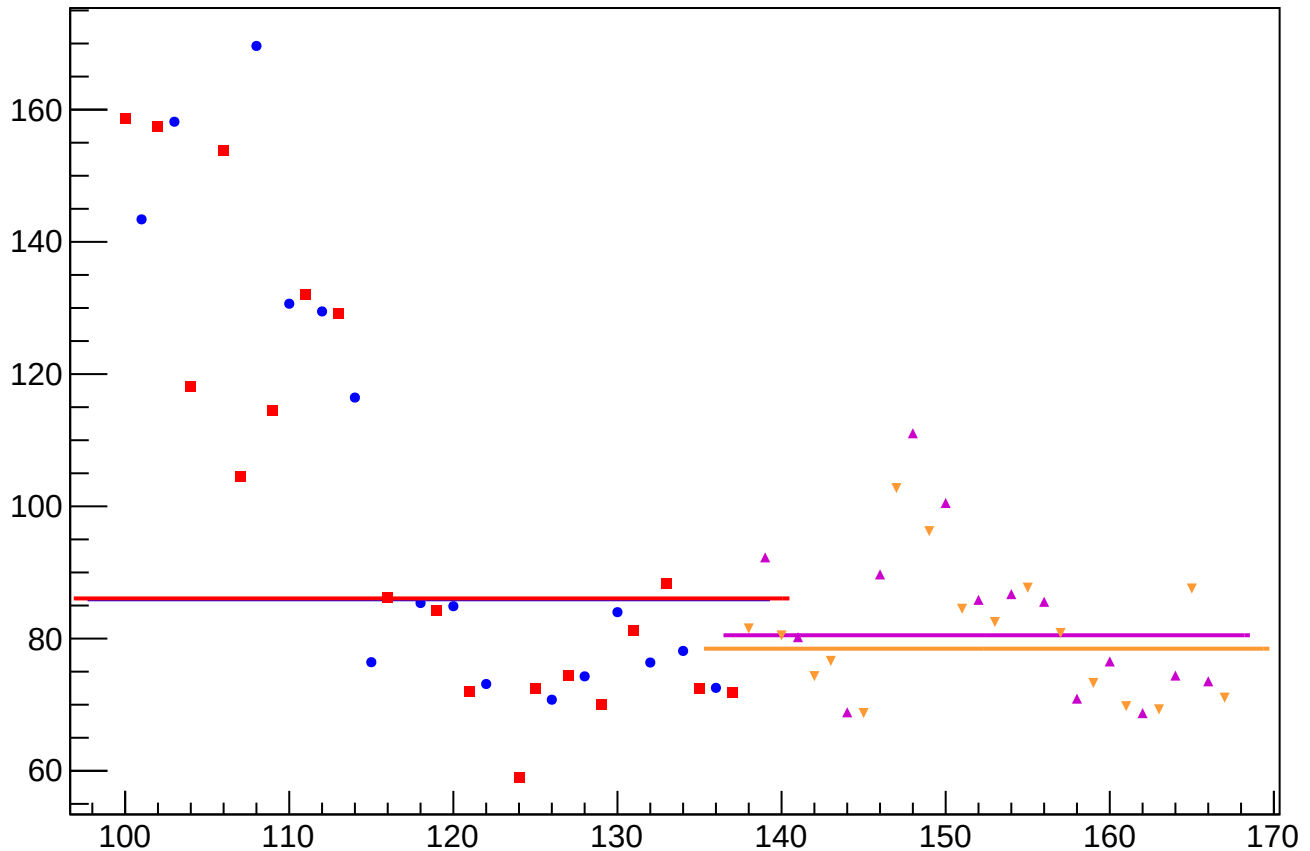
Left In: 0.022 ± 0.024 χ^2/NDF : 14.4/13

+ sign -0.009 ± 0.019 χ^2/NDF : 32.9/31

All: 0.007 ± 0.013 χ^2/NDF : 67.0/64

- sign 0.025 ± 0.019 χ^2/NDF : 32.5/32

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946 ± 0.024 $\chi^2/\text{NDF}: 1035004.5/15$

Left Out: 78.474 ± 0.016 $\chi^2/\text{NDF}: 314254.1/15$

Right Out: 86.073 ± 0.023 $\chi^2/\text{NDF}: 991371.4/18$

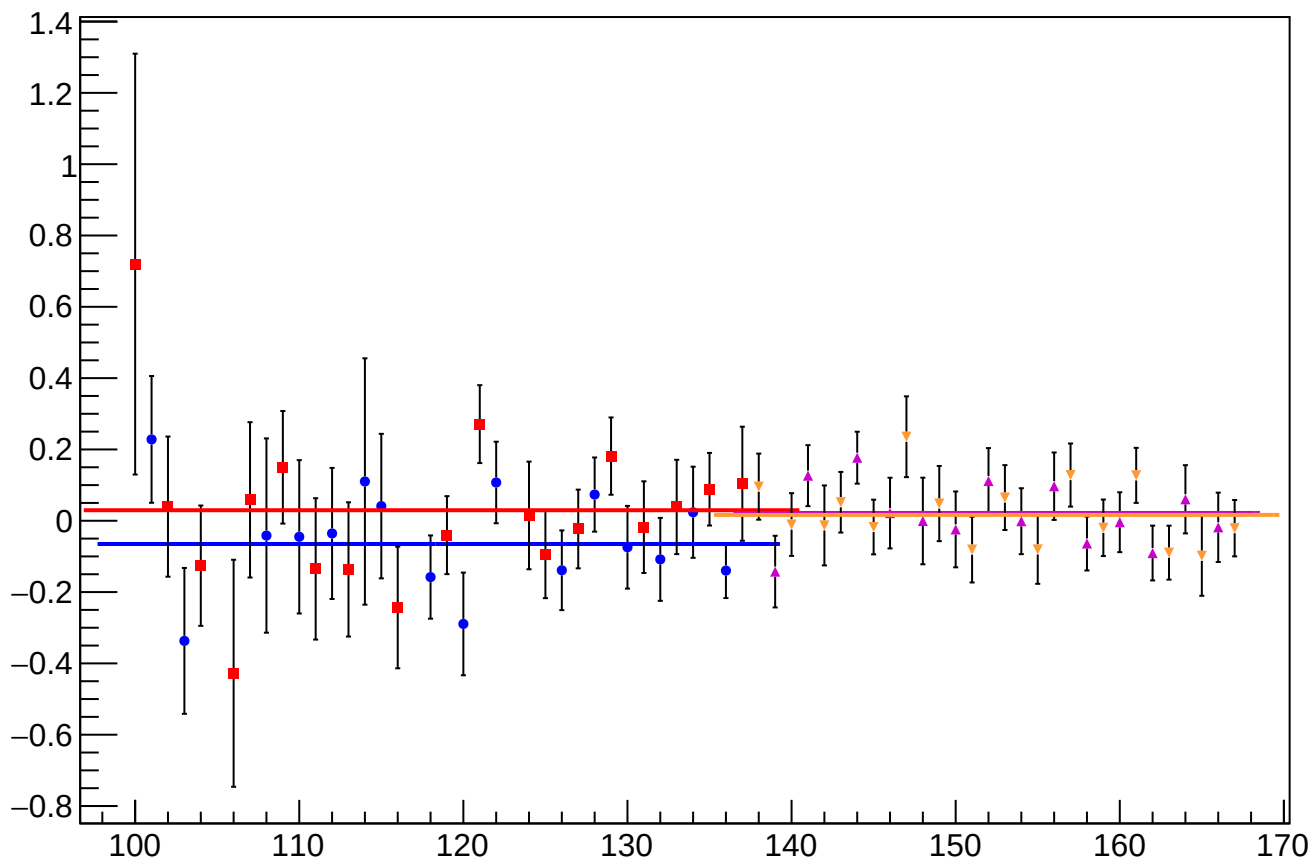
Left In: 80.503 ± 0.017 $\chi^2/\text{NDF}: 416798.7/13$

+ sign 80.783 ± 0.013 $\chi^2/\text{NDF}: 1418799.2/31$

All: 81.570 ± 0.009 $\chi^2/\text{NDF}: 2871841.8/64$

- sign 82.438 ± 0.014 $\chi^2/\text{NDF}: 1445435.9/32$

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: 0.016 ± 0.022 χ^2/NDF : 14.6/15

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

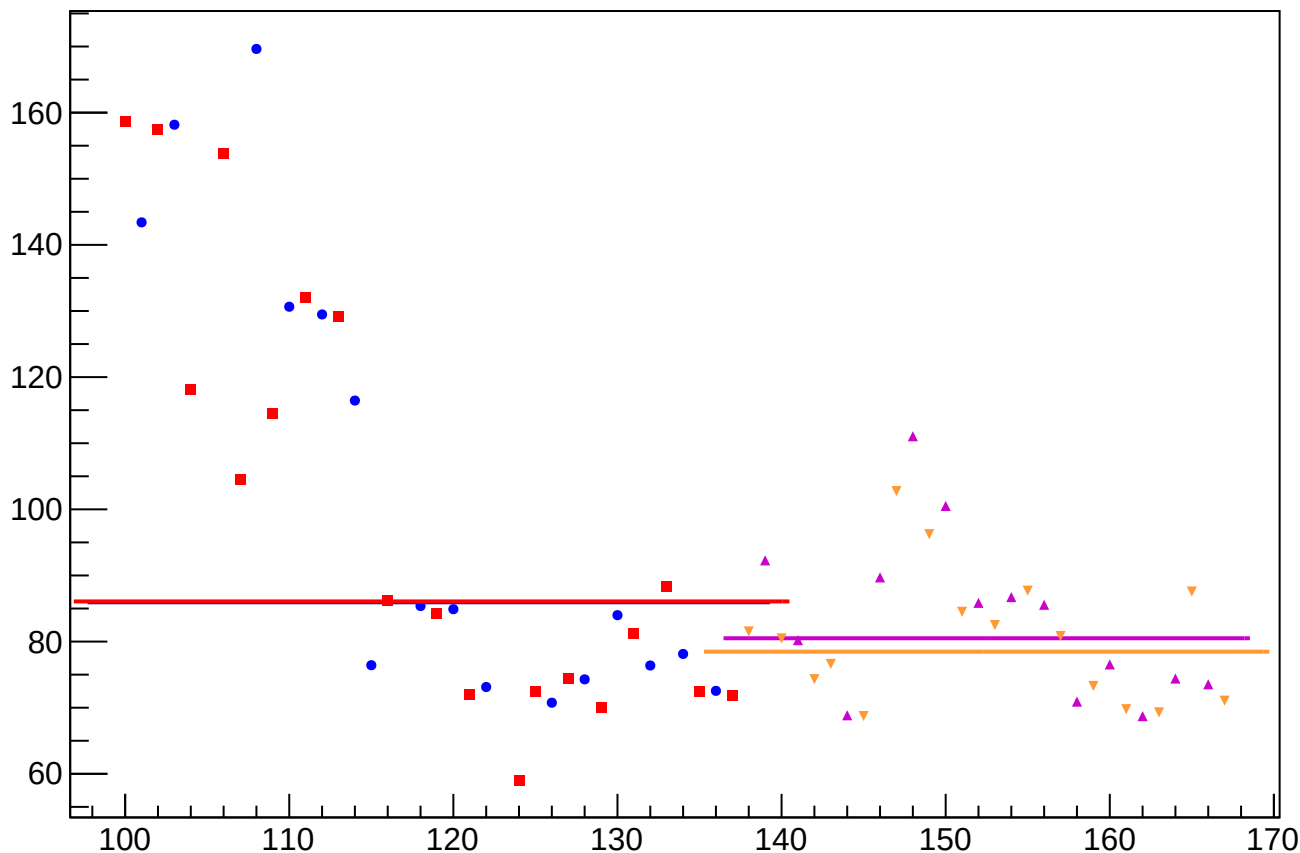
Left In: 0.022 ± 0.024 χ^2/NDF : 14.4/13

+ sign -0.009 ± 0.019 χ^2/NDF : 32.9/31

All: 0.007 ± 0.013 χ^2/NDF : 67.0/64

- sign 0.025 ± 0.019 χ^2/NDF : 32.5/32

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: 78.474 $\pm$ 0.016 χ^2/NDF : 314254.1/15

Right Out: 86.073 $\pm$ 0.023 χ^2/NDF : 991371.4/18

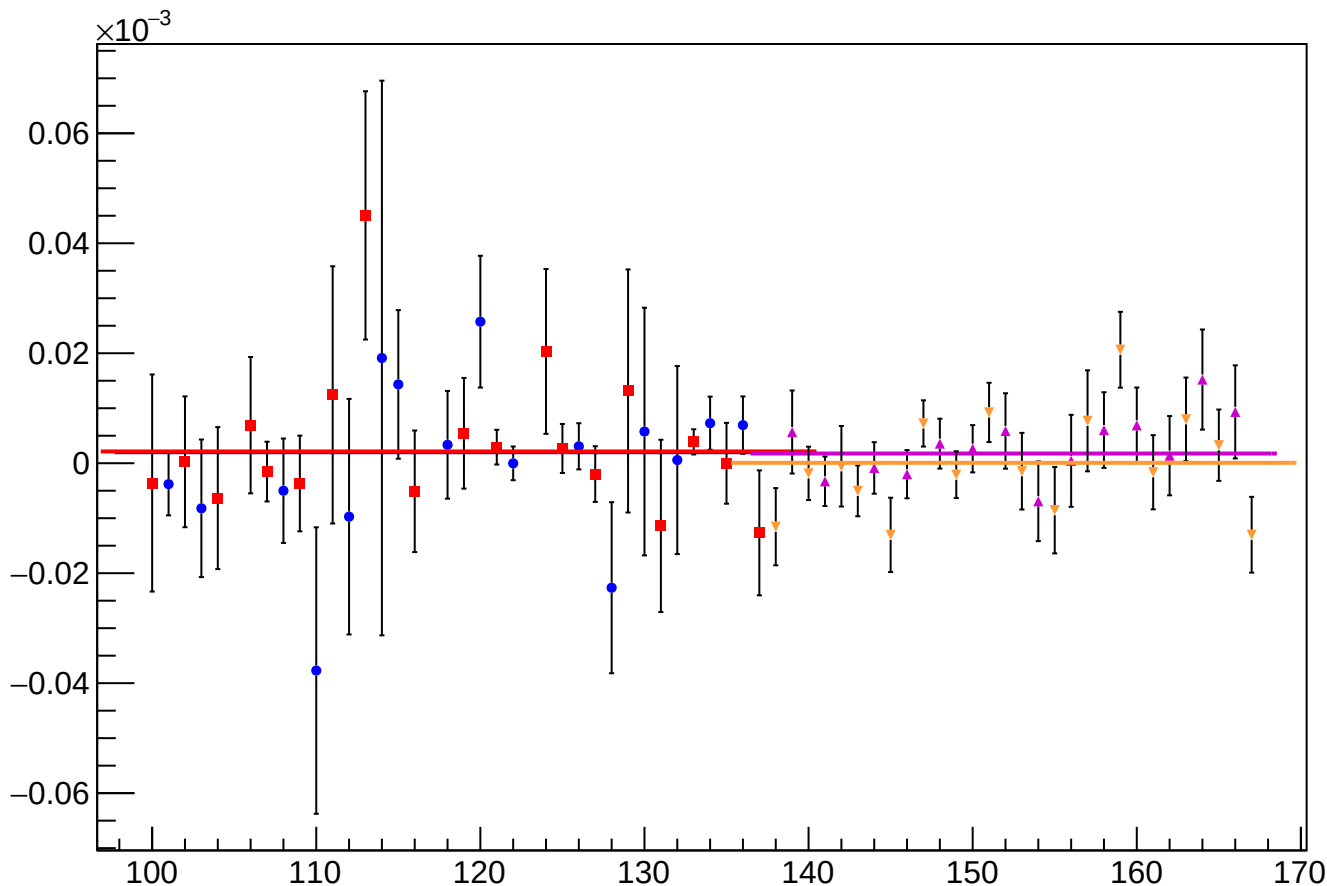
Left In: 80.503 $\pm$ 0.017 χ^2/NDF : 416798.7/13

+ sign 80.783 $\pm$ 0.013 χ^2/NDF : 1418799.2/31

All: 81.570 $\pm$ 0.009 χ^2/NDF : 2871841.8/64

- sign 82.438 $\pm$ 0.014 χ^2/NDF : 1445435.9/32

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:29.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.5/18

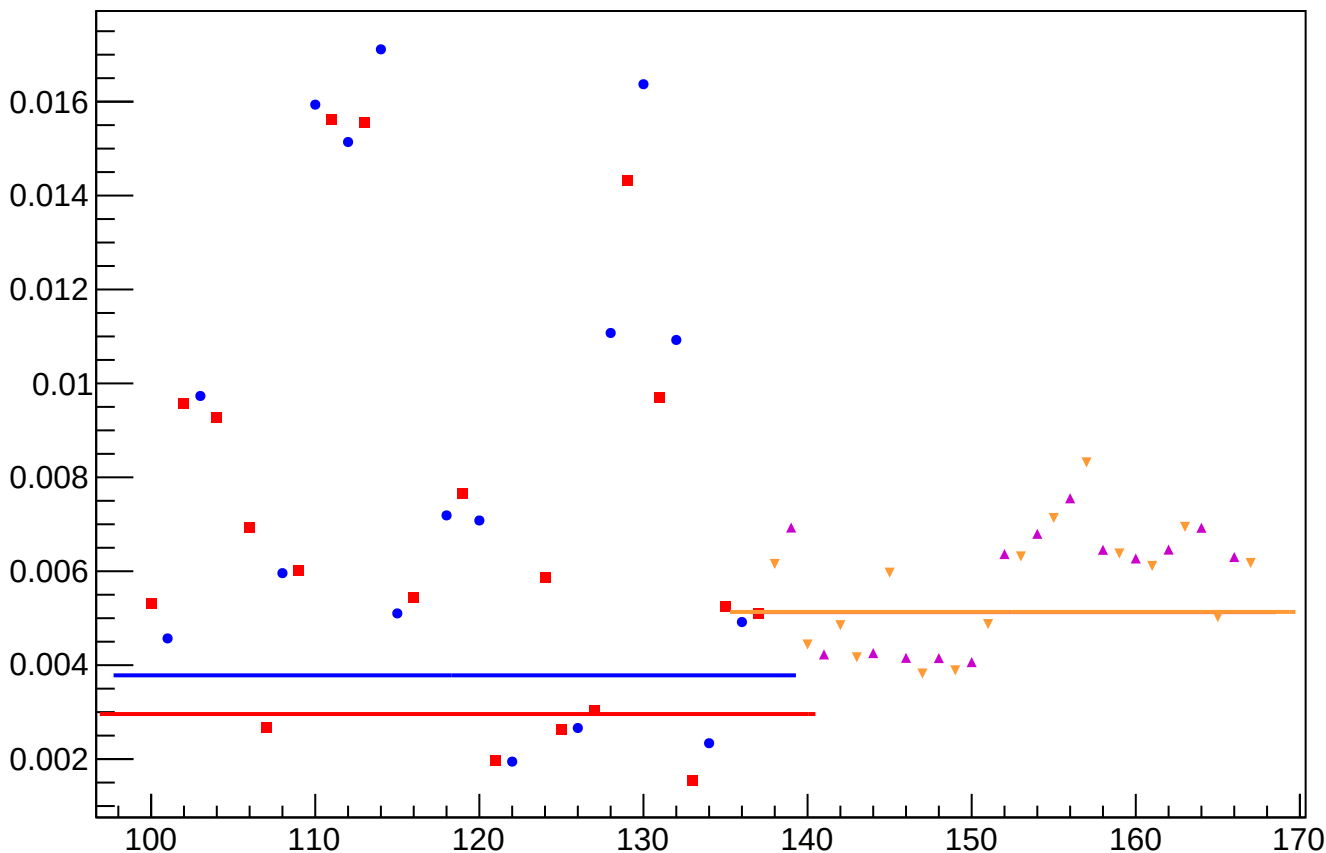
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:8.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.4/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 65.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/32

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF :1269881.7/15

Right Out: 0.003+/-0.000 χ^2/NDF : 5548113.4/18

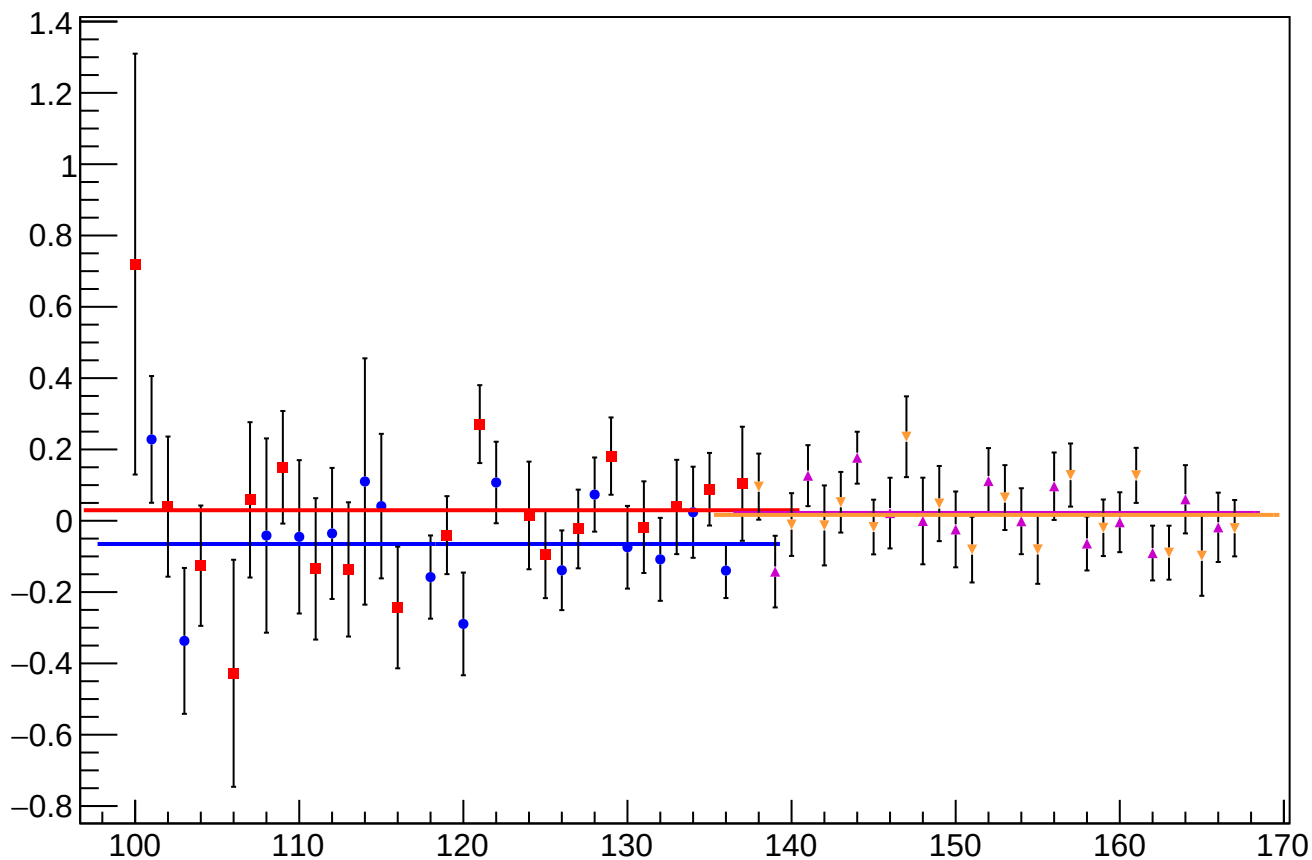
Left In: 0.005+/-0.000 χ^2/NDF :1230672.7/13

+ sign 0.005+/-0.000 χ^2/NDF : 6656018.8/31

All: 0.004+/-0.000 χ^2/NDF : 15915234.8/64

- sign 0.004+/-0.000 χ^2/NDF : 8916845.7/32

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065 ± 0.033 χ^2/NDF : 14.2/15

Left Out: 0.016 ± 0.022 χ^2/NDF : 14.6/15

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

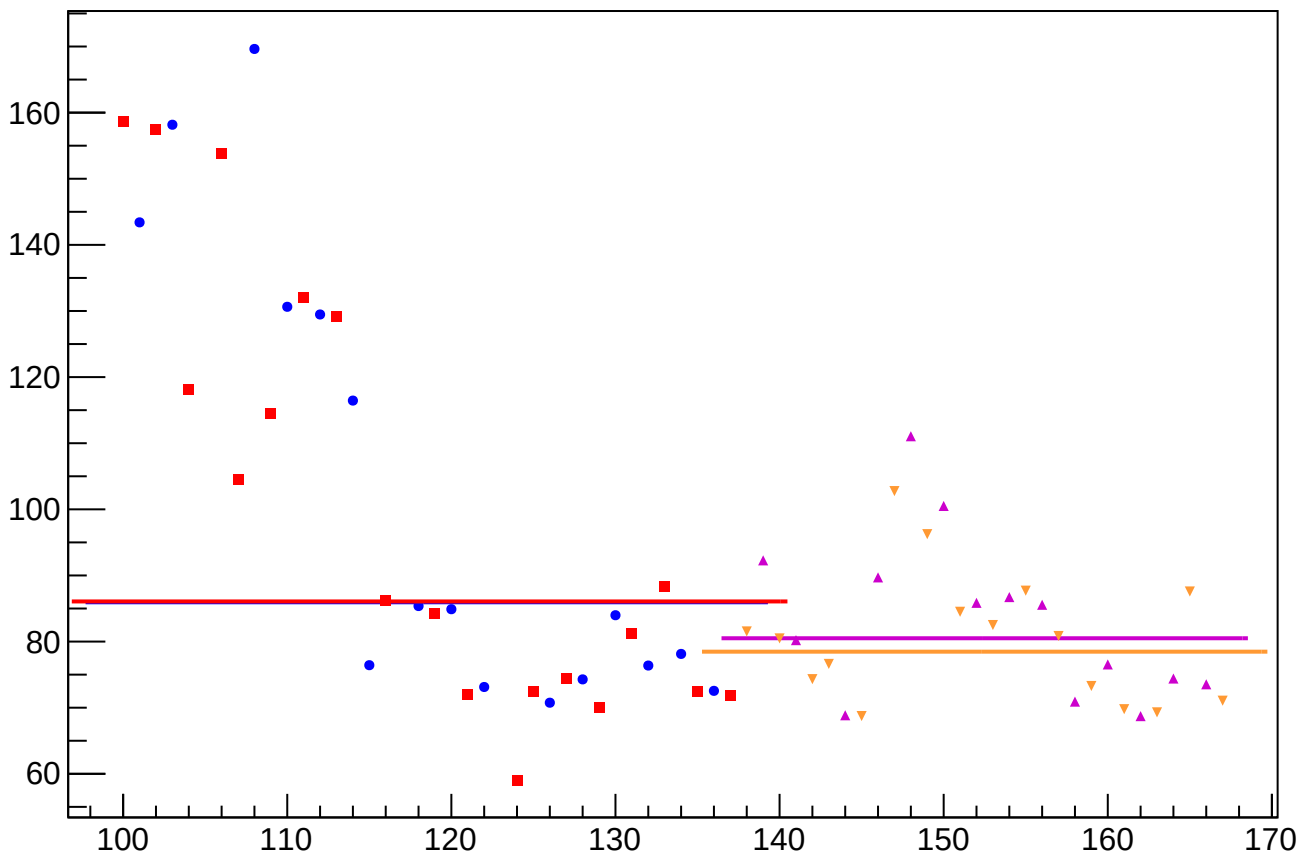
Left In: 0.022 ± 0.024 χ^2/NDF : 14.4/13

+ sign -0.009 ± 0.019 χ^2/NDF : 32.9/31

All: 0.007 ± 0.013 χ^2/NDF : 67.0/64

- sign 0.025 ± 0.019 χ^2/NDF : 32.5/32

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943 $\pm$ 0.024 χ^2 /NDF: 1034986.7/15

Left Out: 78.473 $\pm$ 0.016 χ^2 /NDF: 314299.9/15

Right Out: 86.070 $\pm$ 0.023 χ^2 /NDF: 991365.2/18

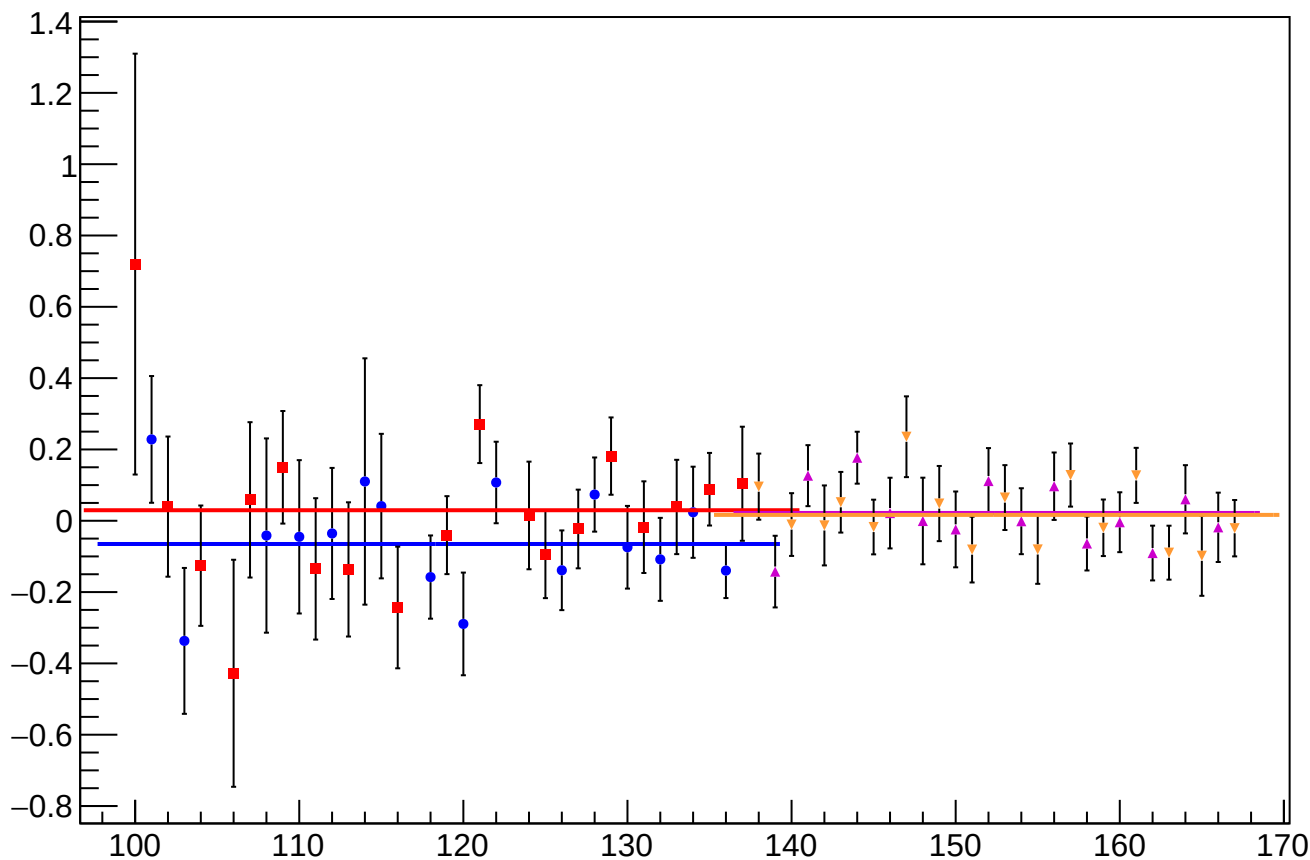
Left In: 80.502 $\pm$ 0.017 χ^2 /NDF: 416837.2/13

+ sign 80.782 $\pm$ 0.013 χ^2 /NDF: 1418795.0/31

All: 81.569 $\pm$ 0.009 χ^2 /NDF: 2871852.4/64

- sign 82.436 $\pm$ 0.014 χ^2 /NDF: 1445451.5/32

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: 0.016 ± 0.022 χ^2/NDF : 14.6/15

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

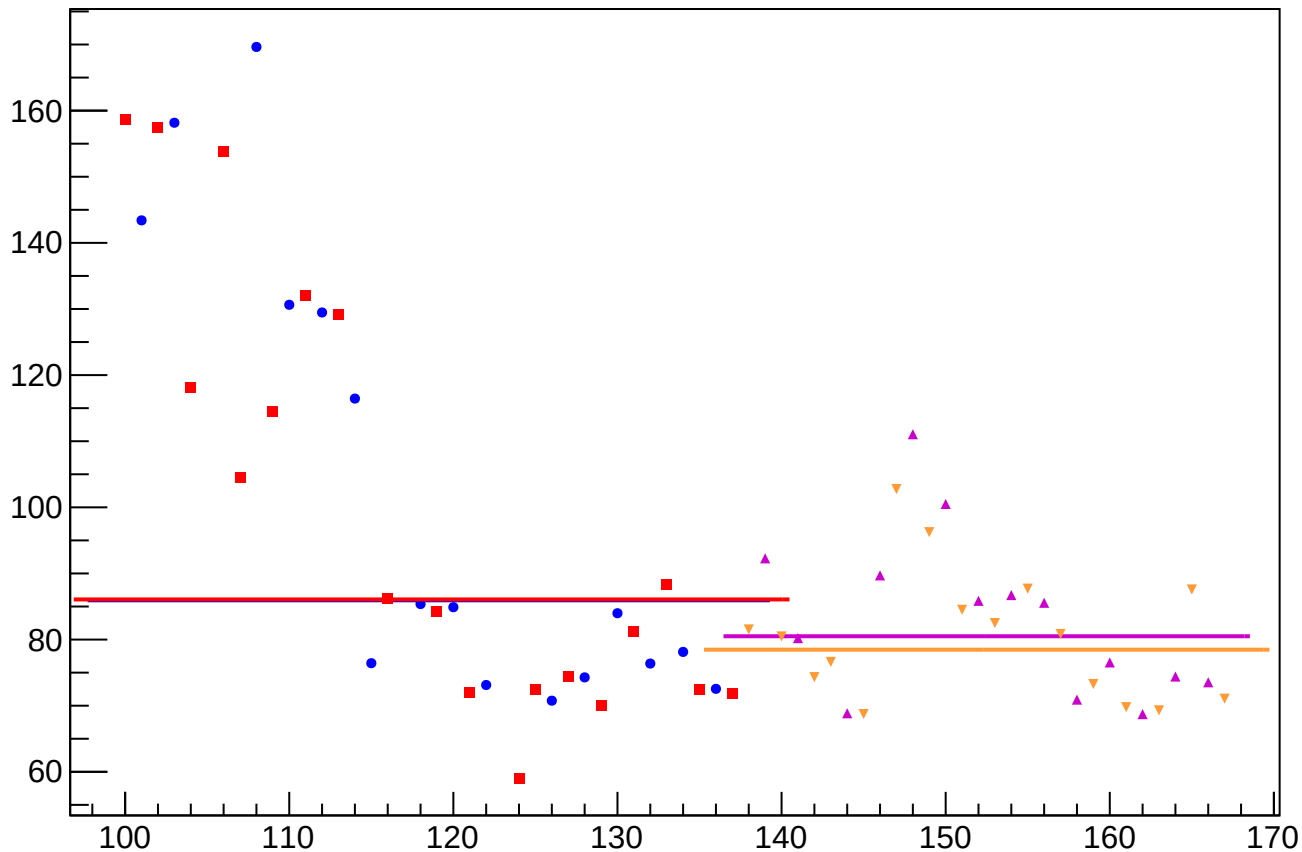
Left In: 0.022 ± 0.024 χ^2/NDF : 14.4/13

+ sign -0.009 ± 0.019 χ^2/NDF : 32.9/31

All: 0.007 ± 0.013 χ^2/NDF : 67.0/64

- sign 0.025 ± 0.019 χ^2/NDF : 32.5/32

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: 78.473 $\pm$ 0.016 χ^2/NDF : 314299.9/15

Right Out: 86.070 $\pm$ 0.023 χ^2/NDF : 991365.2/18

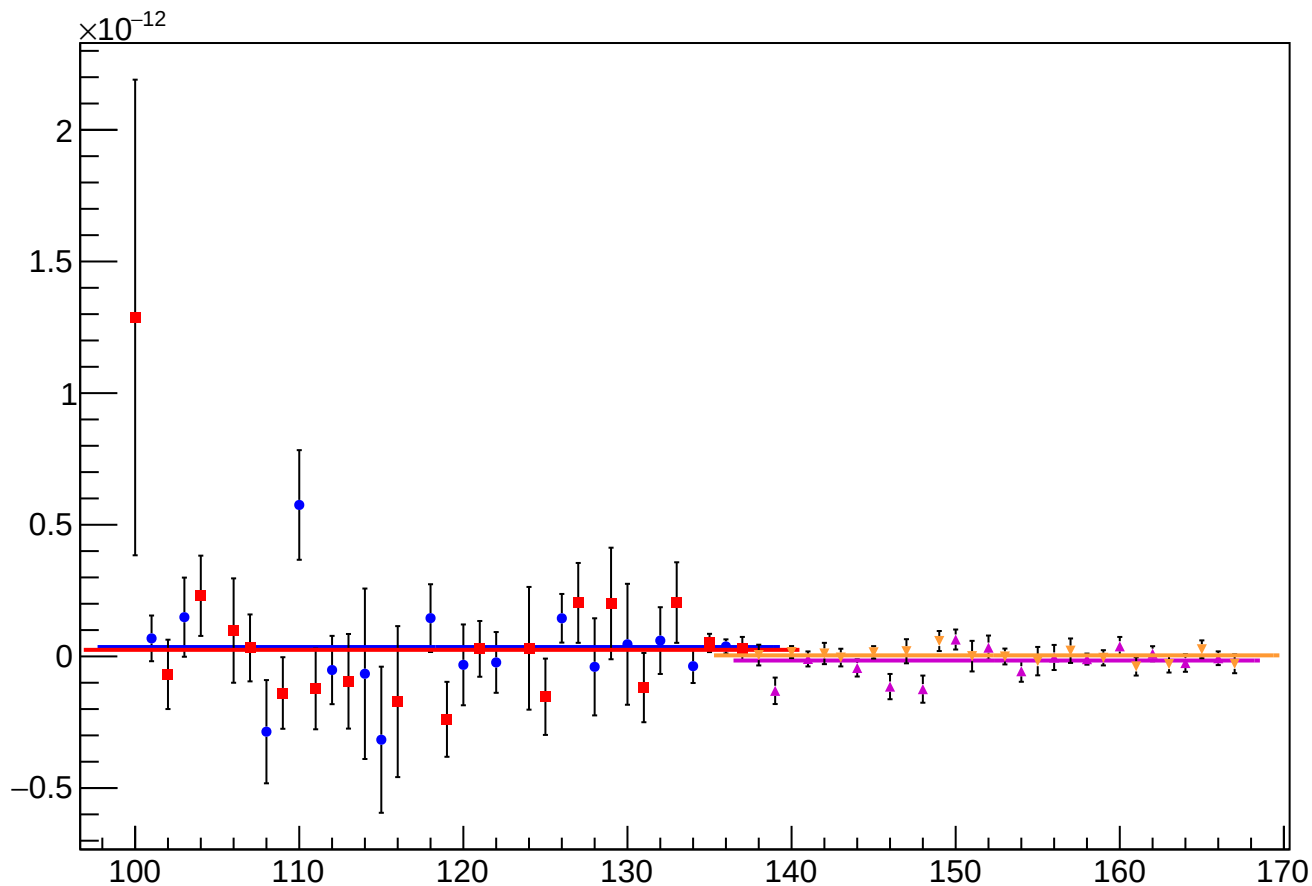
Left In: 80.502 $\pm$ 0.017 χ^2/NDF : 416837.2/13

+ sign 80.782 $\pm$ 0.013 χ^2/NDF : 1418795.0/31

All: 81.569 $\pm$ 0.009 χ^2/NDF : 2871852.4/64

- sign 82.436 $\pm$ 0.014 χ^2/NDF : 1445451.5/32

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: 7.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

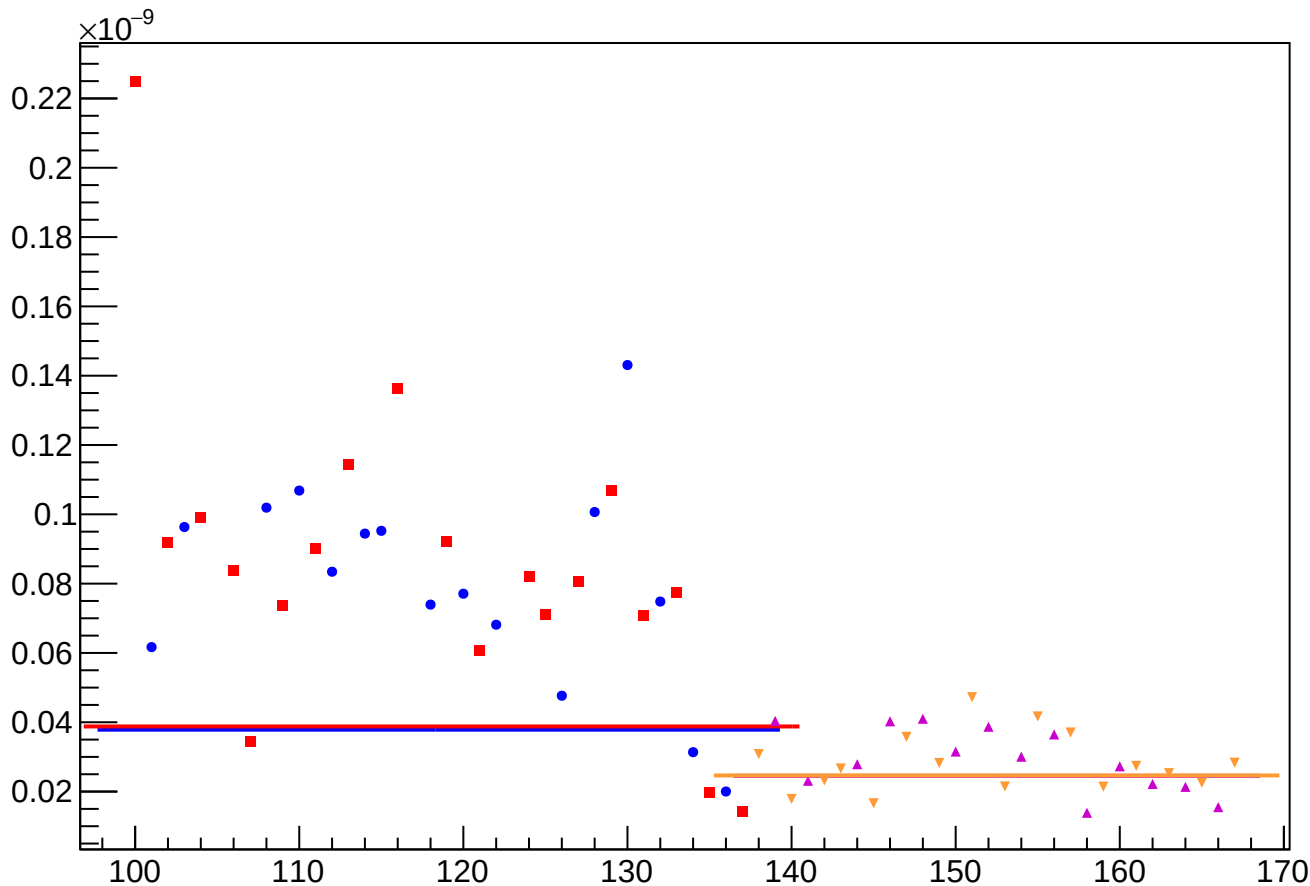
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 73.4/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 45.5/32

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :1338600.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4121603.1/18

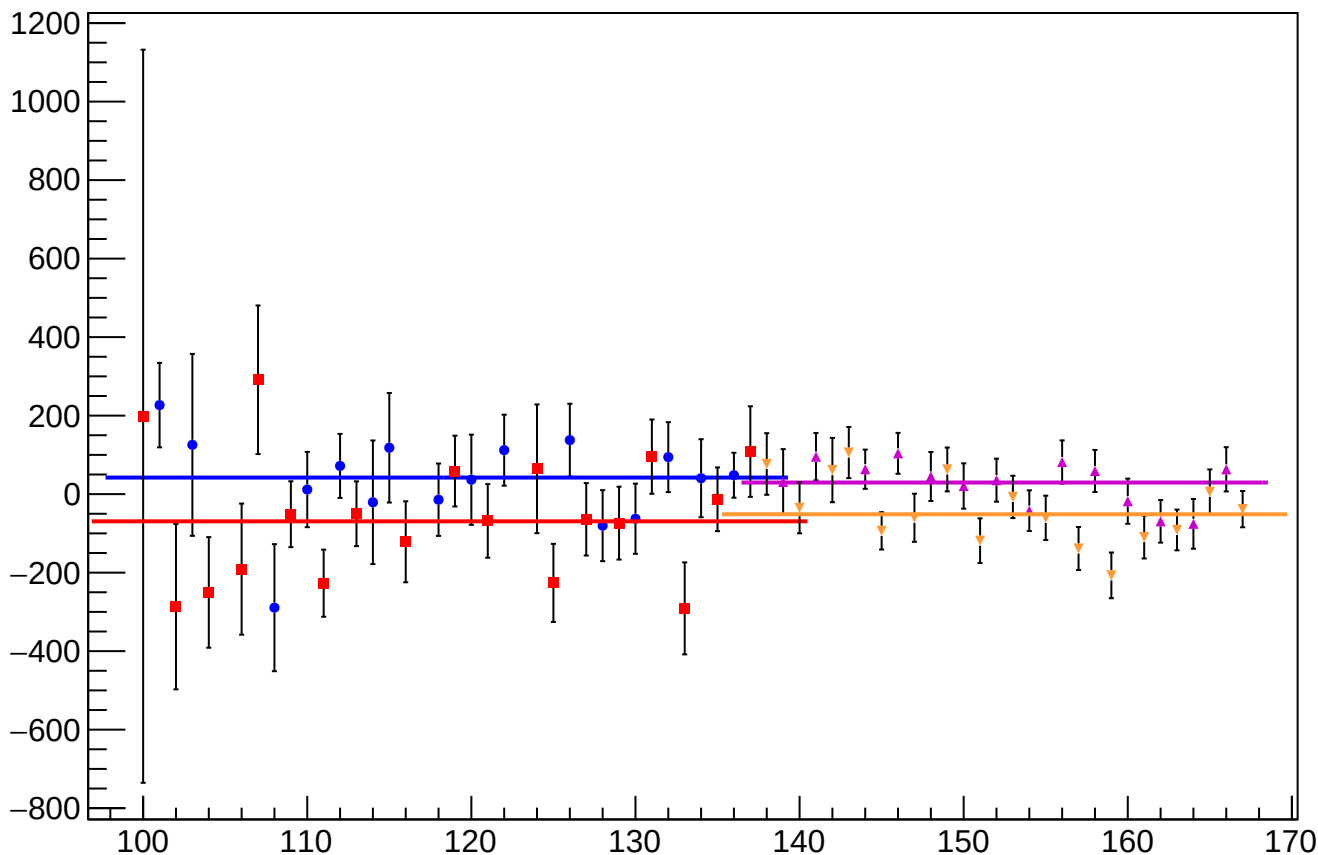
Left In: 0.000+/-0.000 χ^2/NDF :1864402.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 5496518.0/31

All: 0.000+/-0.000 χ^2/NDF : 12190610.0/64

- sign 0.000+/-0.000 χ^2/NDF : 6694091.4/32

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220 ± 24.207 χ^2/NDF : 13.6/15

Left Out: -51.273 ± 14.303 χ^2/NDF : 30.0/15

Right Out: -69.249 ± 24.418 χ^2/NDF : 25.4/18

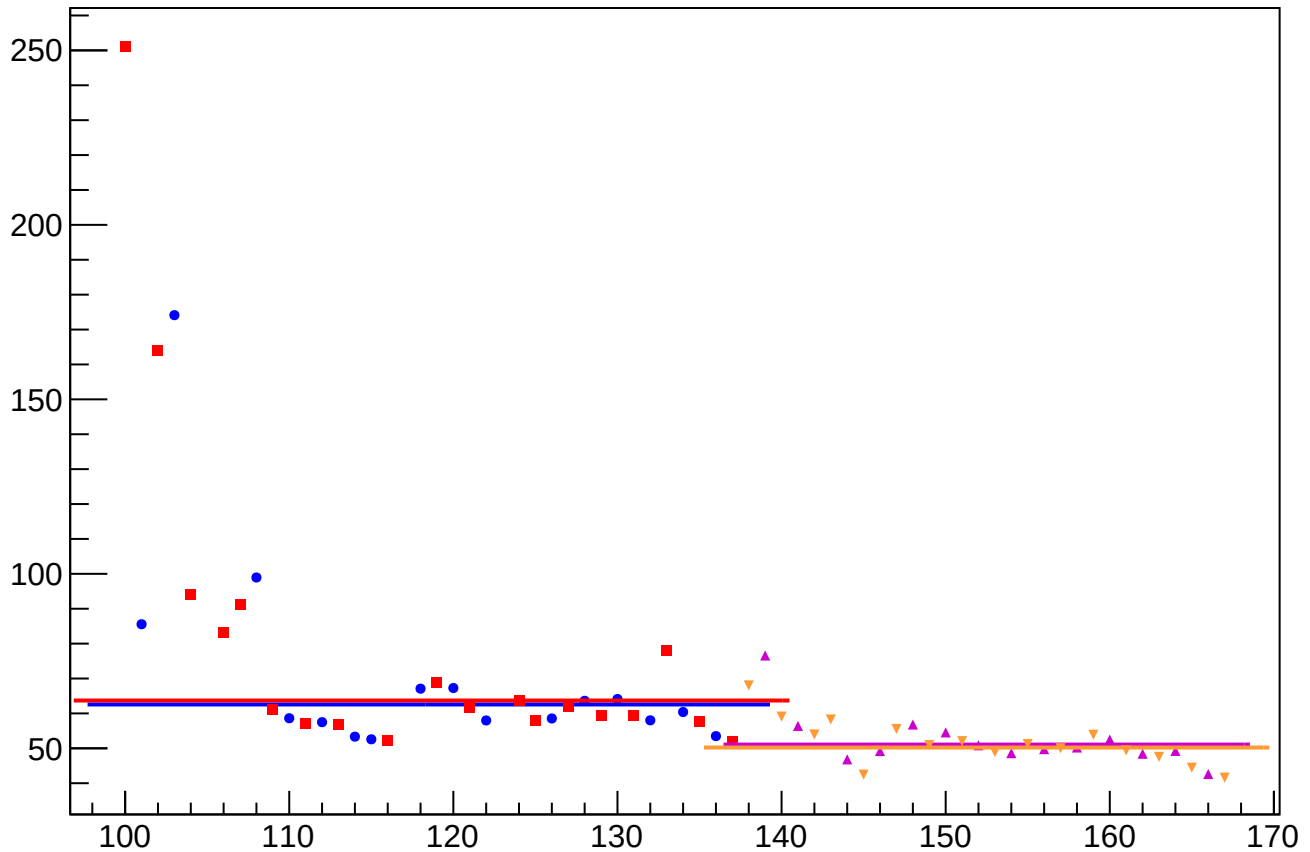
Left In: 29.542 ± 15.192 χ^2/NDF : 14.0/13

+ sign -27.080 ± 12.314 χ^2/NDF : 54.6/31

All: -13.228 ± 8.907 χ^2/NDF : 108.4/64

- sign 1.972 ± 12.899 χ^2/NDF : 51.2/32

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758603.5/15

Left Out: 50.224 $\pm$ 0.010 χ^2 /NDF: 351314.1/15

Right Out: 63.699 $\pm$ 0.017 χ^2 /NDF: 834180.2/18

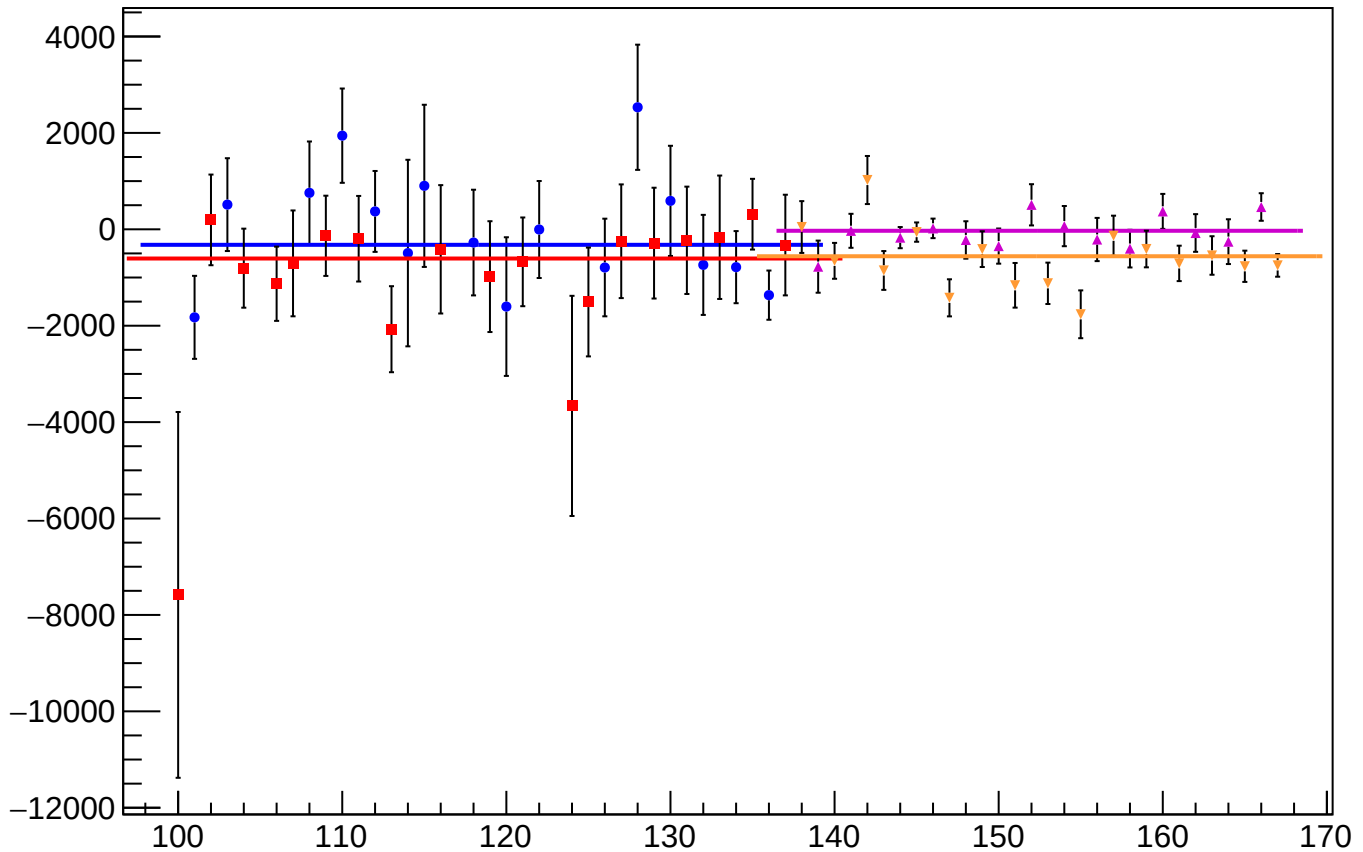
Left In: 51.074 $\pm$ 0.011 χ^2 /NDF: 302250.2/13

+ sign 53.417 $\pm$ 0.009 χ^2 /NDF: 1495280.2/31

All: 53.980 $\pm$ 0.006 χ^2 /NDF: 3025942.3/64

- sign 54.597 $\pm$ 0.009 χ^2 /NDF: 1521909.2/32

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663 $\pm$ 238.482 χ^2/NDF : 22.7/15

Left Out: -558.785 $\pm$ 88.408 χ^2/NDF : 35.1/15

Right Out: -605.859 $\pm$ 233.643 χ^2/NDF : 12.5/18

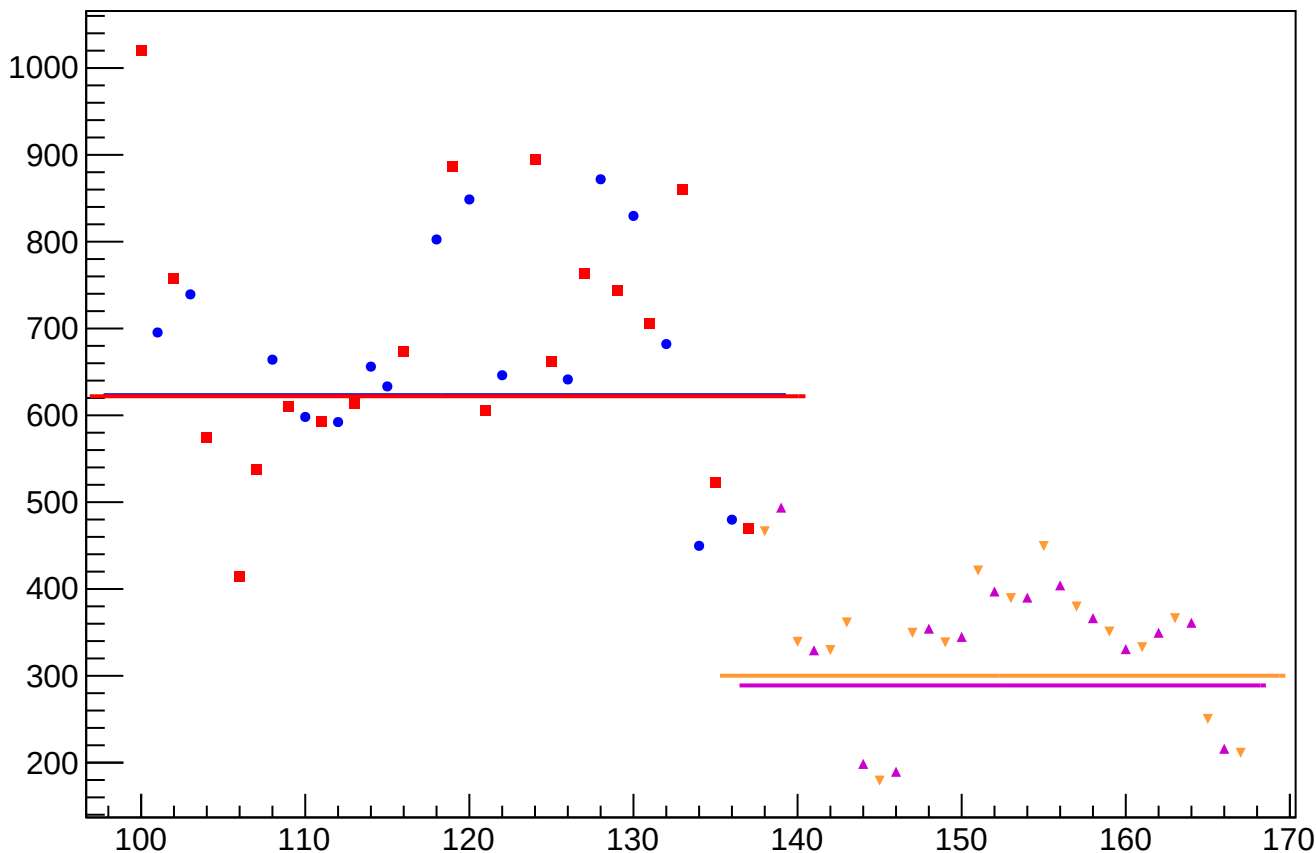
Left In: -30.456 $\pm$ 89.625 χ^2/NDF : 10.5/13

+ sign -530.135 $\pm$ 82.895 χ^2/NDF : 58.7/31

All: -319.206 $\pm$ 58.891 χ^2/NDF : 100.0/64

- sign -104.265 $\pm$ 83.680 χ^2/NDF : 28.3/32

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181 $\pm$ 0.169 χ^2 /NDF: 565524.7/15

Left Out: 300.106 $\pm$ 0.063 χ^2 /NDF: 1966198.6/15

Right Out: 621.975 $\pm$ 0.165 χ^2 /NDF: 582591.9/18

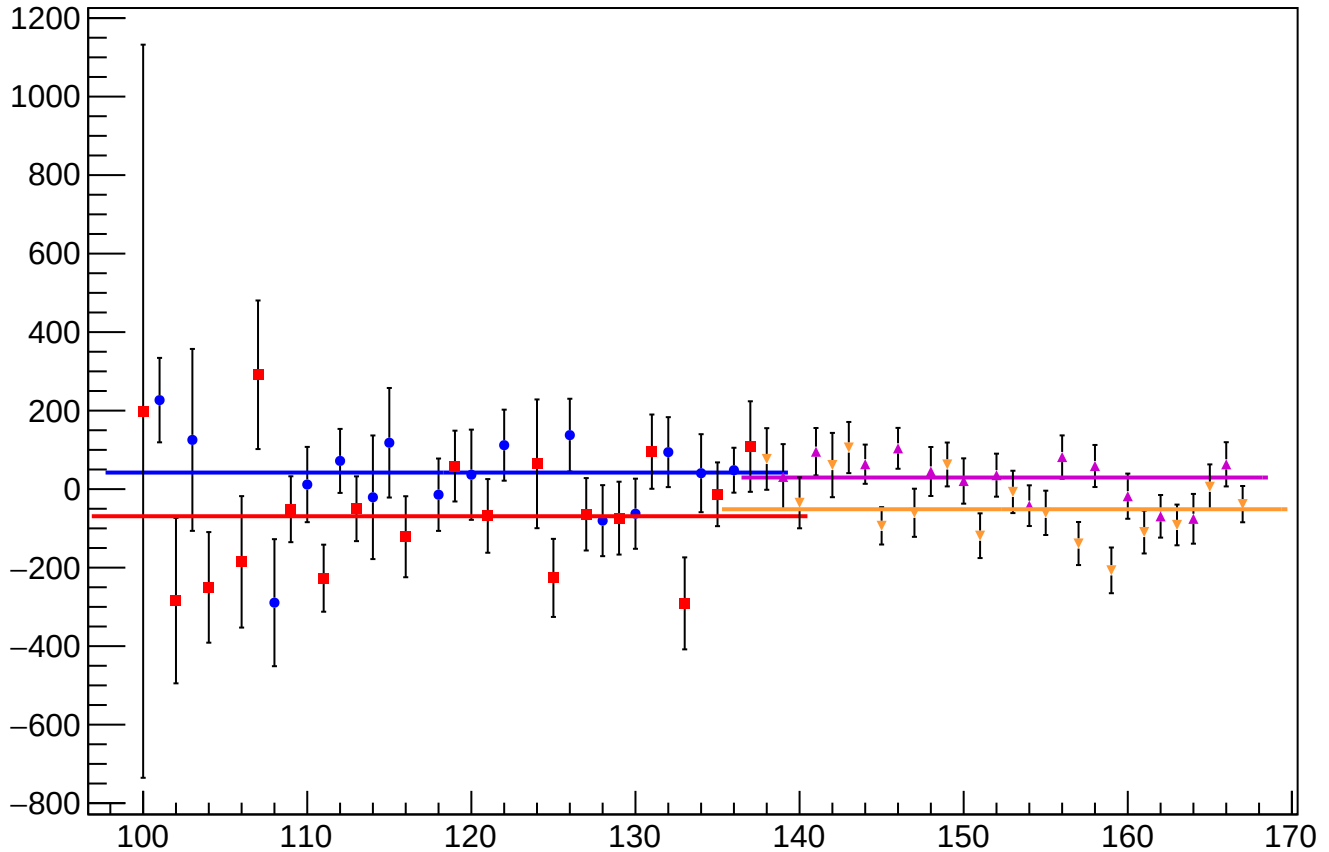
Left In: 288.907 $\pm$ 0.063 χ^2 /NDF: 1947482.1/13

+ sign 339.141 $\pm$ 0.059 χ^2 /NDF: 5758738.7/31

All: 335.421 $\pm$ 0.042 χ^2 /NDF: 11839924.4/64

- sign 331.631 $\pm$ 0.059 χ^2 /NDF: 6073055.9/32

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: -51.269 $\pm$ 14.303 χ^2 /NDF: 30.0/15

Right Out: -69.068 $\pm$ 24.420 χ^2 /NDF: 25.3/18

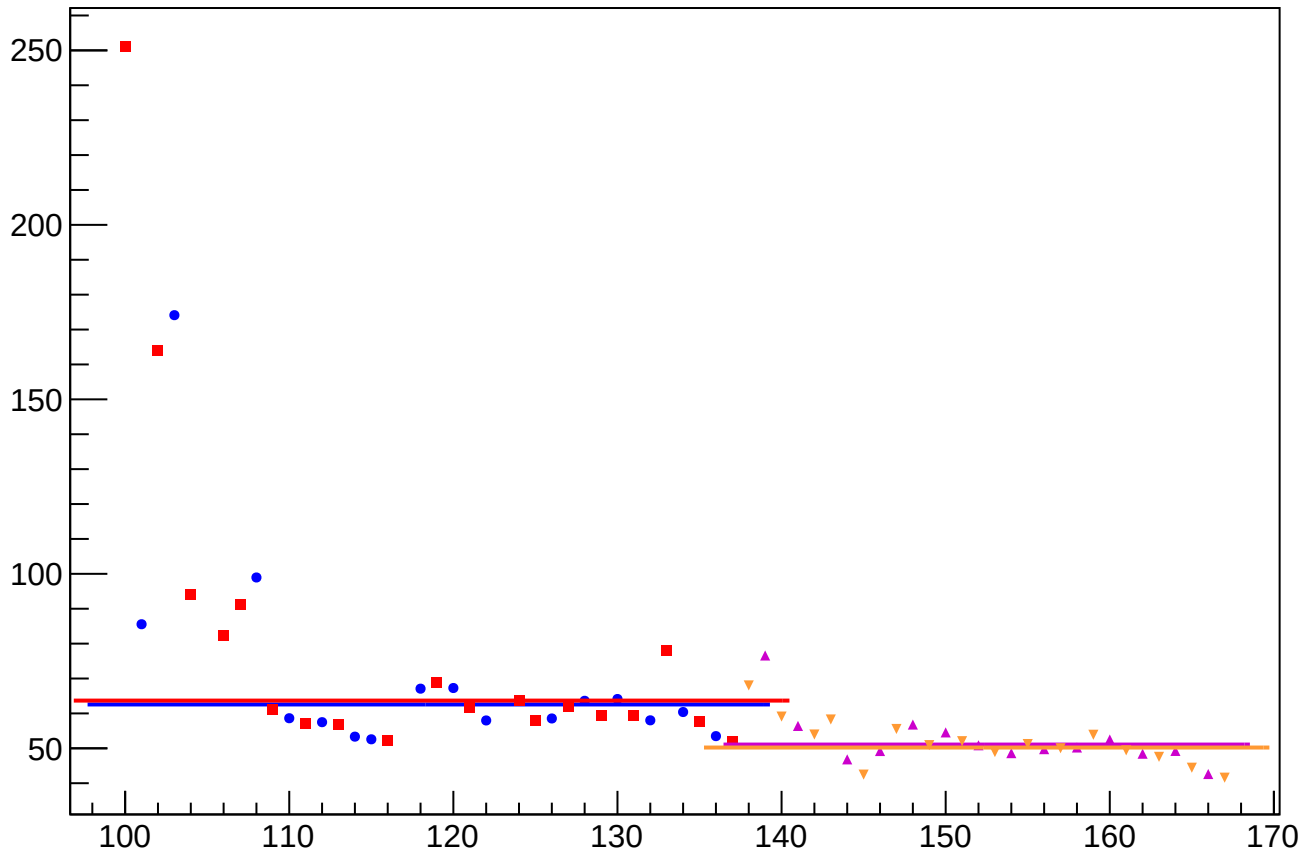
Left In: 29.542 $\pm$ 15.192 χ^2 /NDF: 14.0/13

+ sign -27.079 $\pm$ 12.314 χ^2 /NDF: 54.6/31

All: -13.203 $\pm$ 8.907 χ^2 /NDF: 108.3/64

- sign 2.025 $\pm$ 12.900 χ^2 /NDF: 51.0/32

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566 ± 0.017 $\chi^2/\text{NDF}: 758605.6/15$

Left Out: 50.224 ± 0.010 $\chi^2/\text{NDF}: 351314.0/15$

Right Out: 63.675 ± 0.017 $\chi^2/\text{NDF}: 831432.5/18$

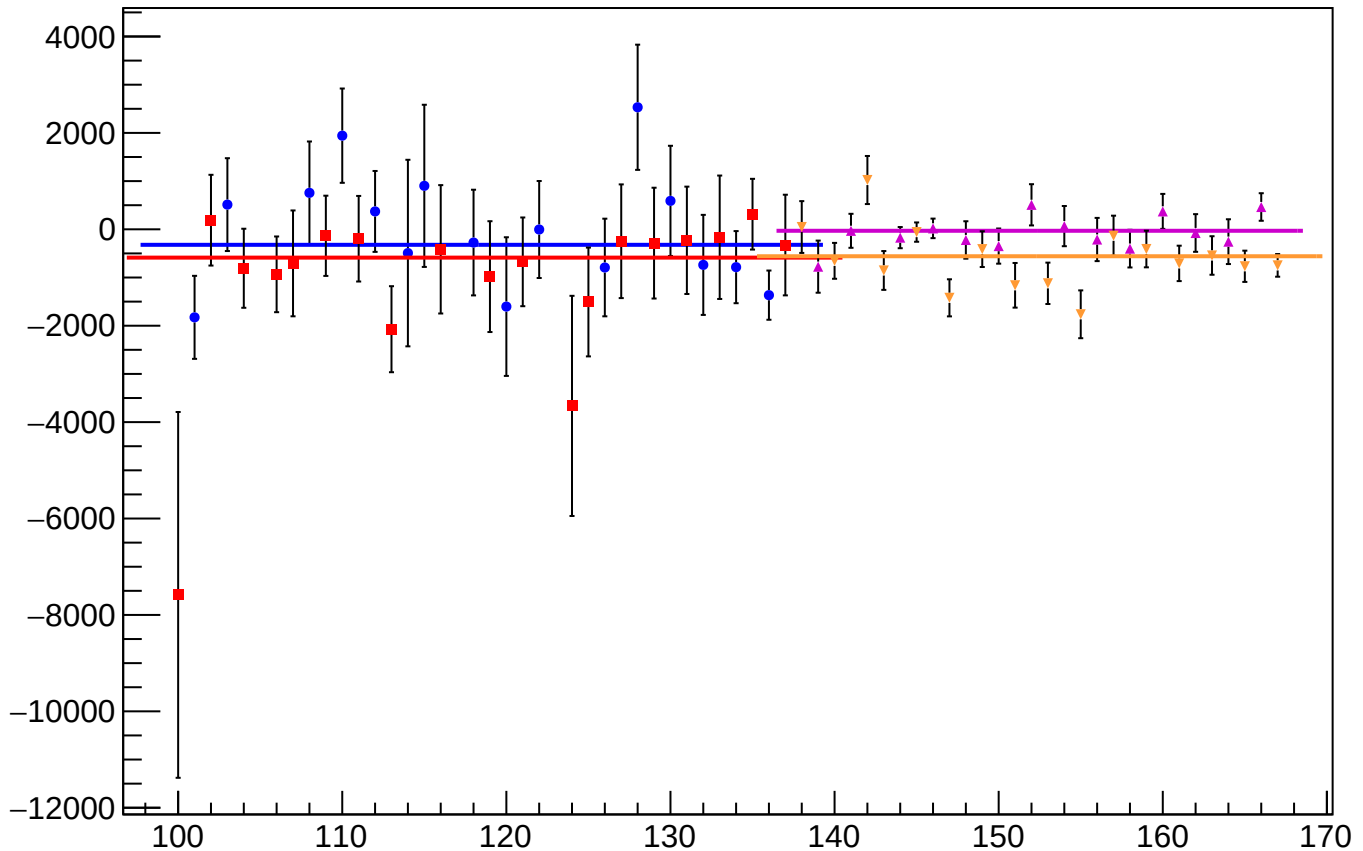
Left In: 51.074 ± 0.011 $\chi^2/\text{NDF}: 302250.2/13$

+ sign 53.417 ± 0.009 $\chi^2/\text{NDF}: 1495282.0/31$

All: 53.976 ± 0.006 $\chi^2/\text{NDF}: 3021585.8/64$

- sign 54.590 ± 0.009 $\chi^2/\text{NDF}: 1517655.3/32$

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660 ± 238.484 χ^2/NDF : 22.7/15

Left Out: -558.778 ± 88.408 χ^2/NDF : 35.1/15

Right Out: -587.224 ± 234.080 χ^2/NDF : 12.2/18

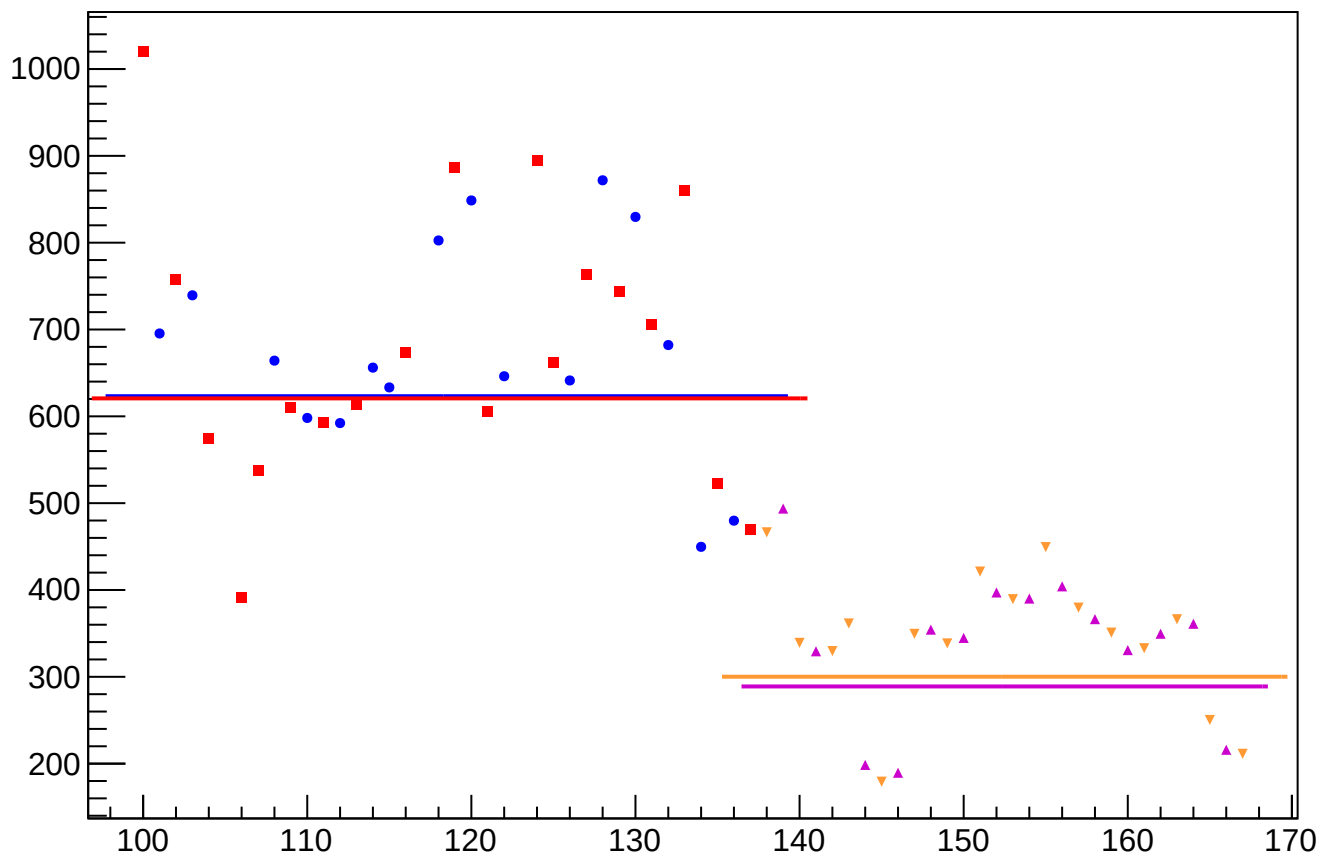
Left In: -30.458 ± 89.625 χ^2/NDF : 10.5/13

+ sign -530.129 ± 82.895 χ^2/NDF : 58.7/31

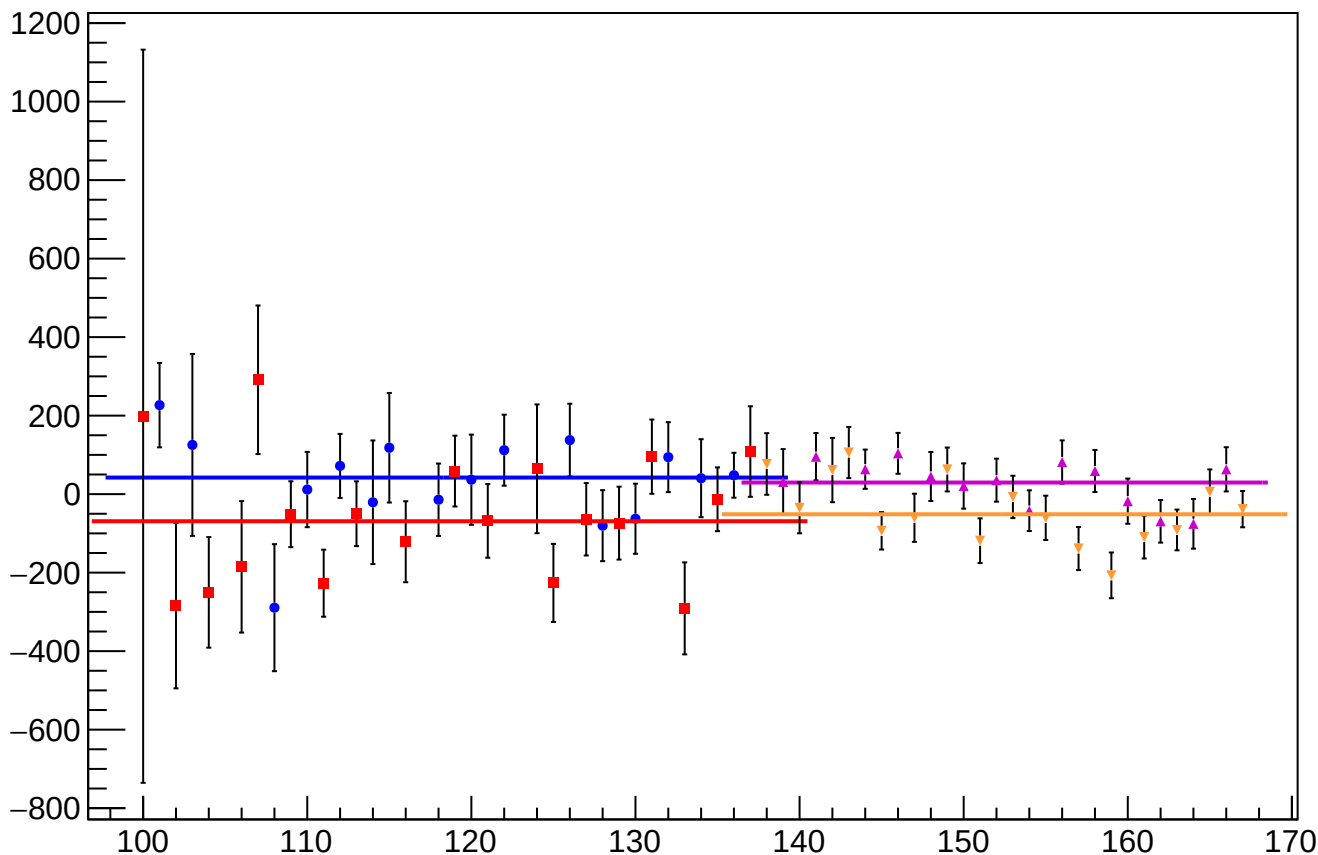
All: -317.956 ± 58.898 χ^2/NDF : 99.5/64

- sign -101.644 ± 83.700 χ^2/NDF : 27.6/32

asym_sam_37_dd_cor_correction_rms vs Slug



eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF : 13.6/15

Left Out: -51.269+/-14.303 χ^2/NDF : 30.0/15

Right Out: -69.068+/-24.420 χ^2/NDF : 25.3/18

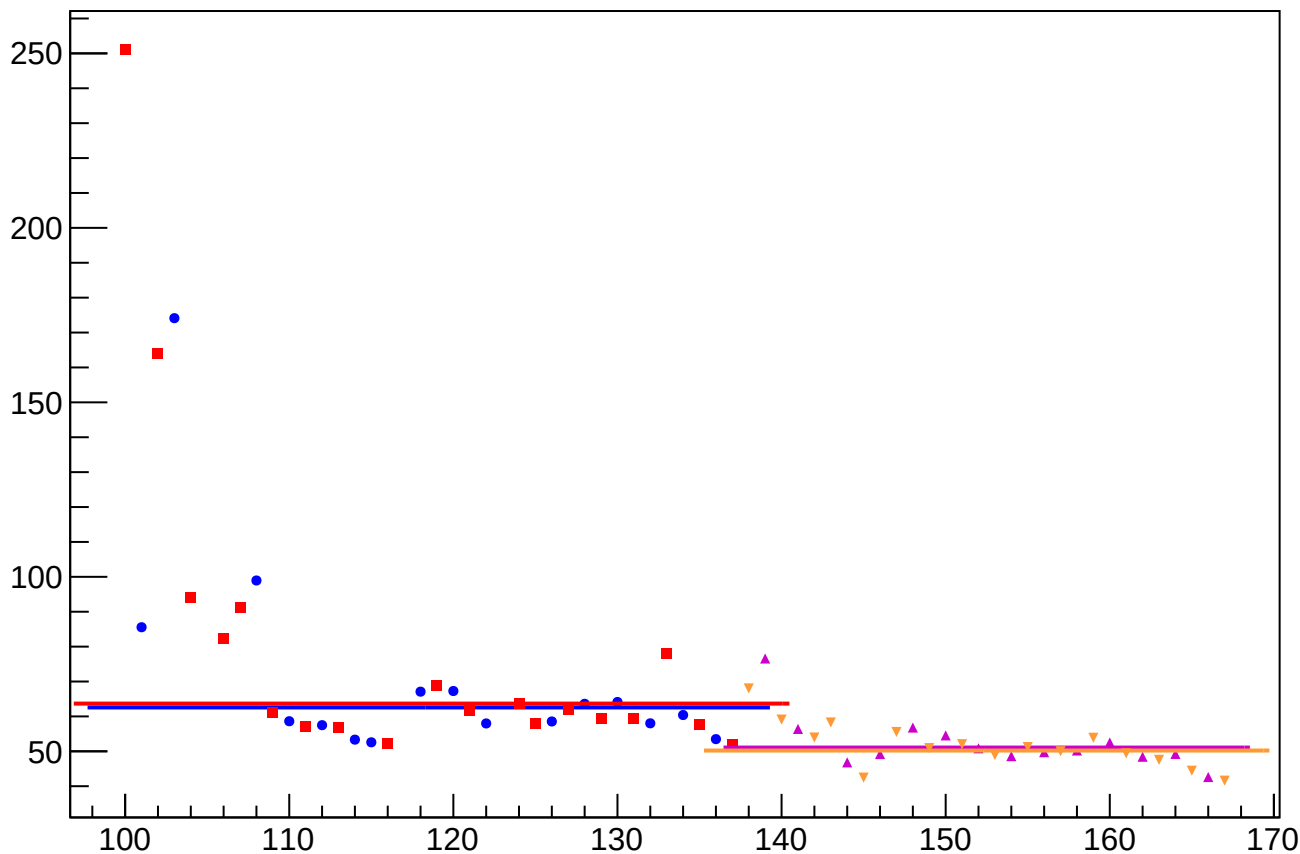
Left In: 29.542+/-15.192 χ^2/NDF : 14.0/13

+ sign -27.079+/-12.314 χ^2/NDF : 54.6/31

All: -13.203+/-8.907 χ^2/NDF : 108.3/64

- sign 2.025+/-12.900 χ^2/NDF : 51.0/32

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566 ± 0.017 χ^2/NDF : 758605.6/15

Left Out: 50.224 ± 0.010 χ^2/NDF : 351314.0/15

Right Out: 63.675 ± 0.017 χ^2/NDF : 831432.5/18

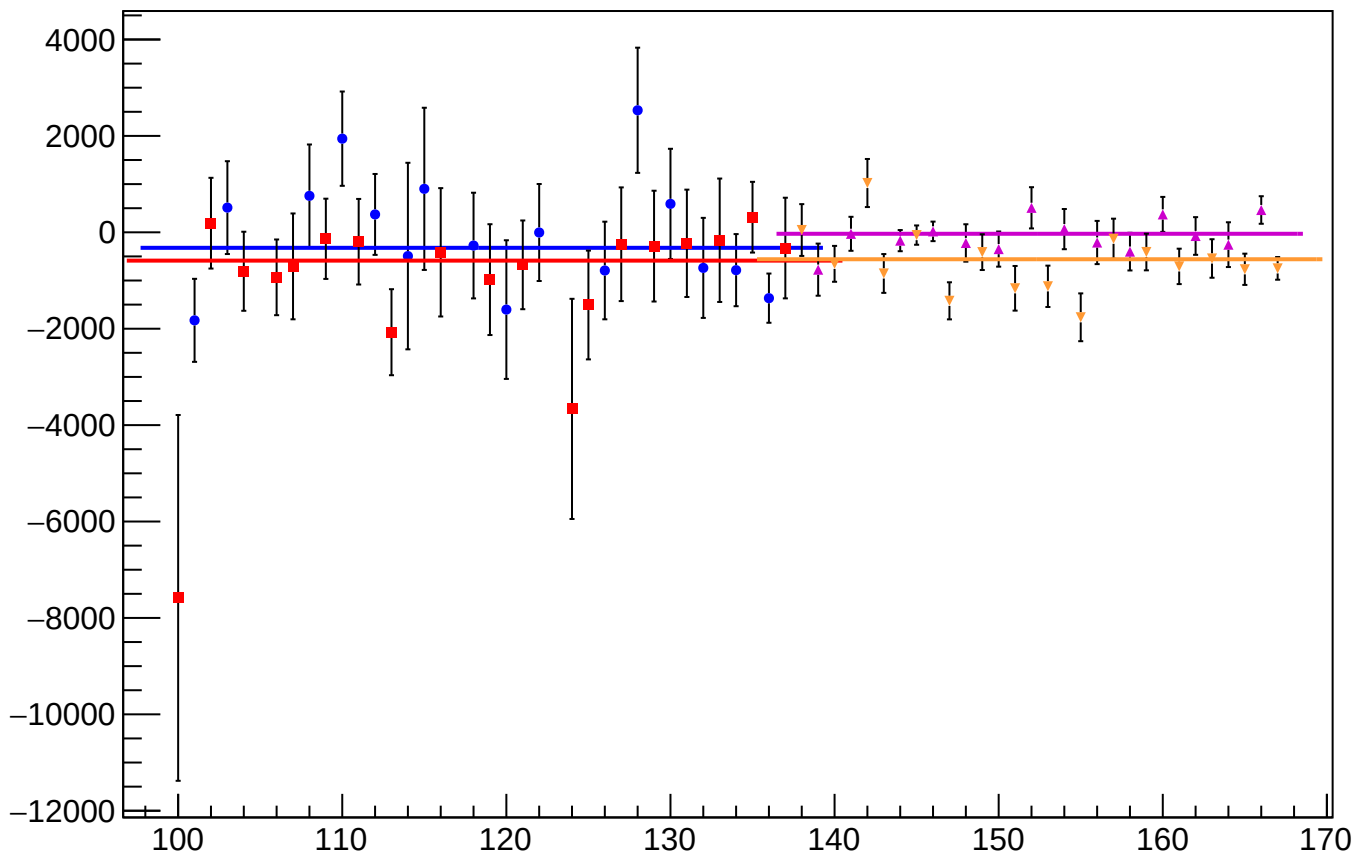
Left In: 51.074 ± 0.011 χ^2/NDF : 302250.2/13

+ sign 53.417 ± 0.009 χ^2/NDF : 1495282.0/31

All: 53.976 ± 0.006 χ^2/NDF : 3021585.8/64

- sign 54.590 ± 0.009 χ^2/NDF : 1517655.3/32

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -321.660 ± 238.484 χ^2/NDF : 22.7/15

Left Out: -558.778 ± 88.408 χ^2/NDF : 35.1/15

Right Out: -587.224 ± 234.080 χ^2/NDF : 12.2/18

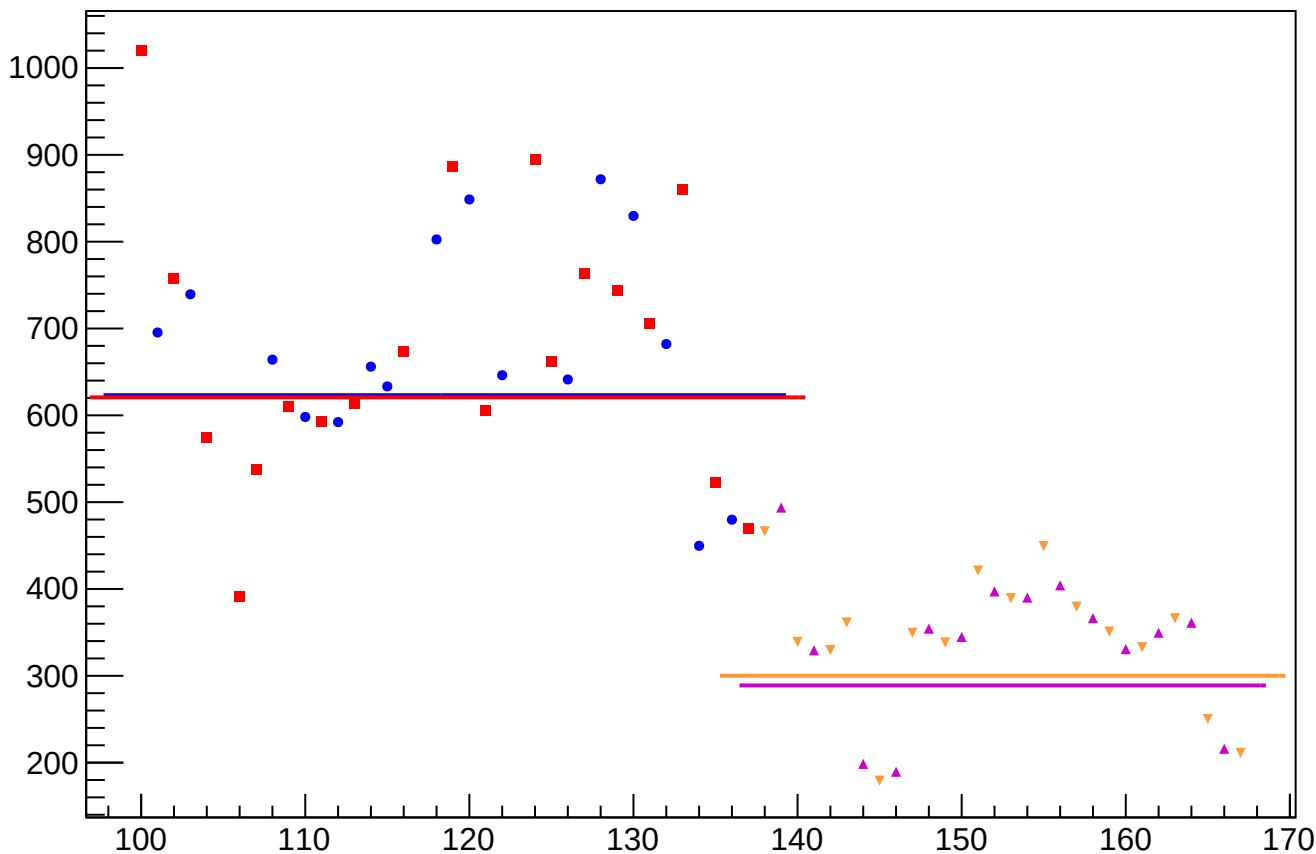
Left In: -30.458 ± 89.625 χ^2/NDF : 10.5/13

+ sign -530.129 ± 82.895 χ^2/NDF : 58.7/31

All: -317.956 ± 58.898 χ^2/NDF : 99.5/64

- sign -101.644 ± 83.700 χ^2/NDF : 27.6/32

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184 $\pm$ 0.169 χ^2 /NDF: 565557.0/15

Left Out: 300.105 $\pm$ 0.063 χ^2 /NDF: 1966214.7/15

Right Out: 620.673 $\pm$ 0.166 χ^2 /NDF: 610523.8/18

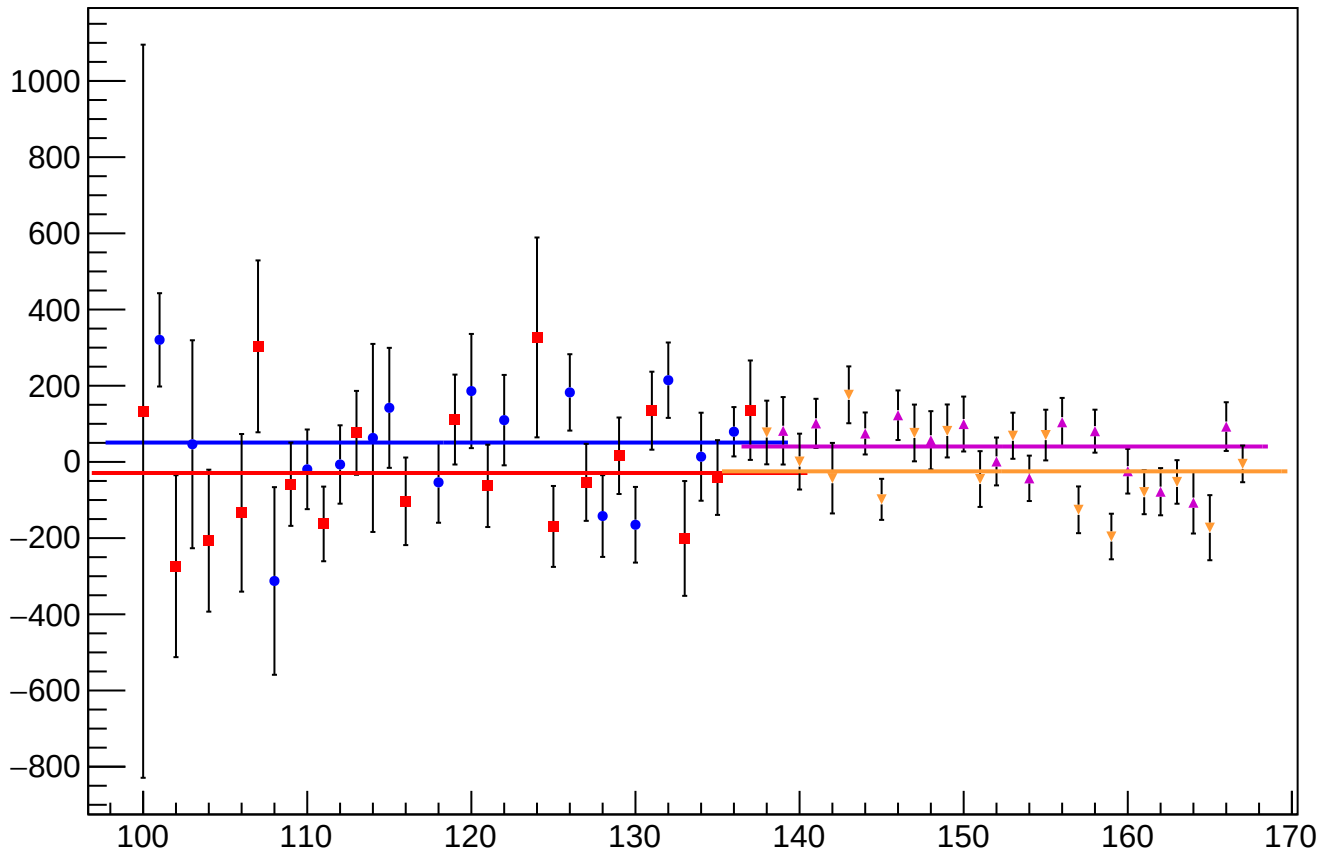
Left In: 288.907 $\pm$ 0.063 χ^2 /NDF: 1947486.1/13

+ sign 339.140 $\pm$ 0.059 χ^2 /NDF: 5758820.6/31

All: 335.270 $\pm$ 0.042 χ^2 /NDF: 11829544.0/64

- sign 331.325 $\pm$ 0.059 χ^2 /NDF: 6061922.0/32

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 ± 28.316 χ^2/NDF : 22.9/15

Left Out: -24.707 ± 16.306 χ^2/NDF : 34.6/15

Right Out: -29.040 ± 28.910 χ^2/NDF : 18.5/18

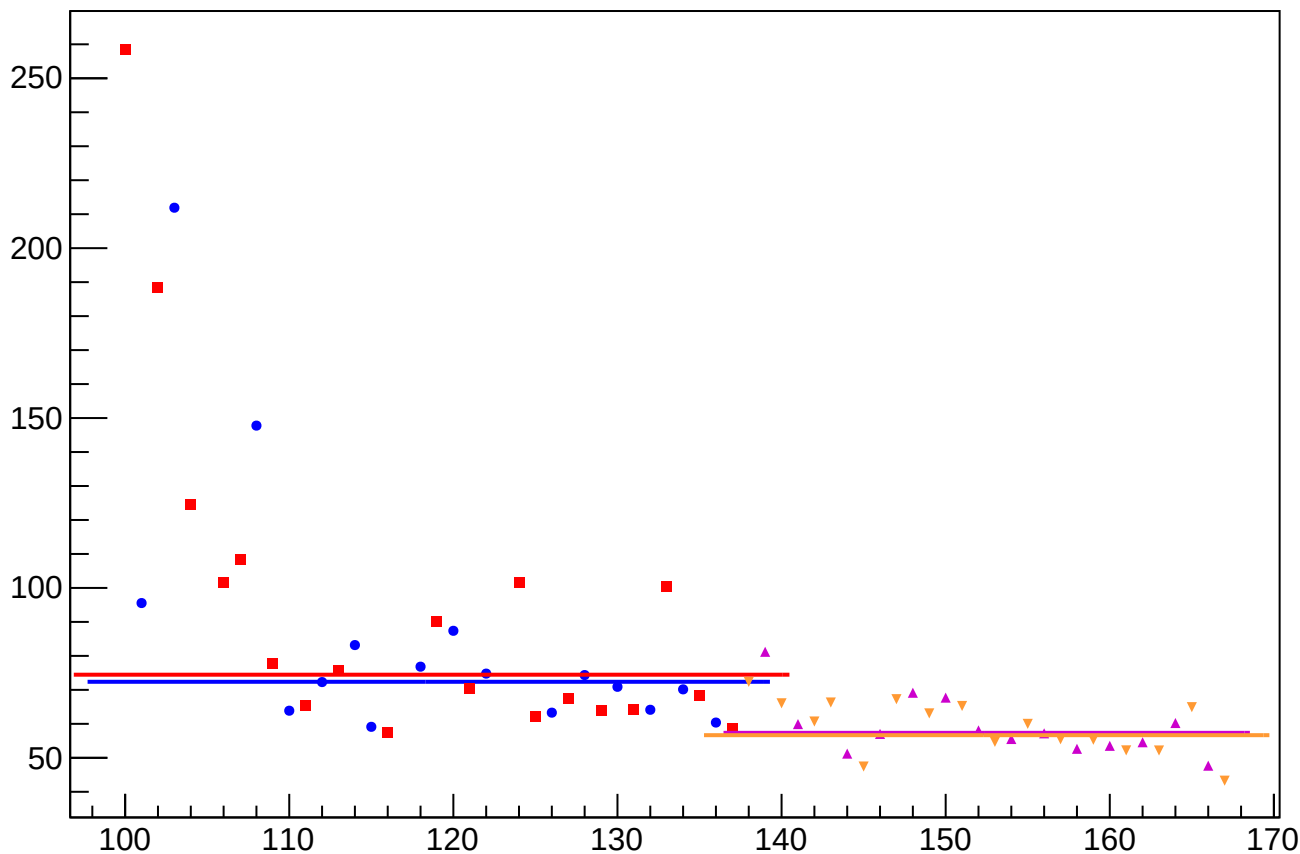
Left In: 40.488 ± 17.304 χ^2/NDF : 16.5/13

+ sign -5.894 ± 14.130 χ^2/NDF : 62.8/31

All: 7.434 ± 10.236 χ^2/NDF : 104.0/64

- sign 22.149 ± 14.848 χ^2/NDF : 39.3/32

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938175.3/15

Left Out: 56.664+/-0.012 χ^2/NDF : 490653.2/15

Right Out: 74.463+/-0.020 χ^2/NDF : 1052296.6/18

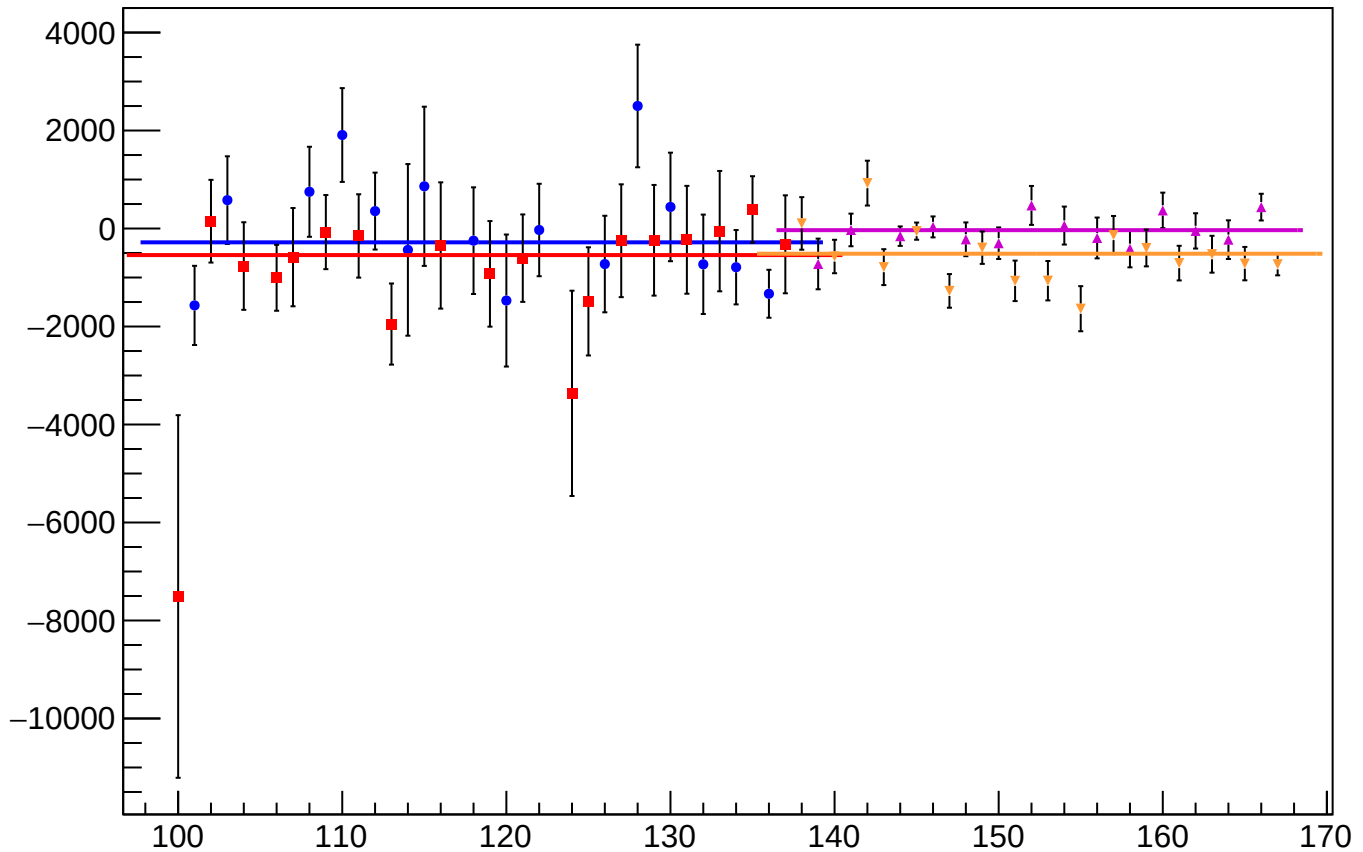
Left In: 57.352+/-0.012 χ^2/NDF : 338648.7/13

+ sign 60.577+/-0.010 χ^2/NDF : 1891381.9/31

All: 61.189+/-0.007 χ^2/NDF : 3806106.6/64

- sign 61.865+/-0.010 χ^2/NDF : 1906823.1/32

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039 $\pm$ 227.789 χ^2/NDF : 22.8/15

Left Out: -514.304 $\pm$ 82.163 χ^2/NDF : 36.0/15

Right Out: -542.028 $\pm$ 220.904 χ^2/NDF : 13.3/18

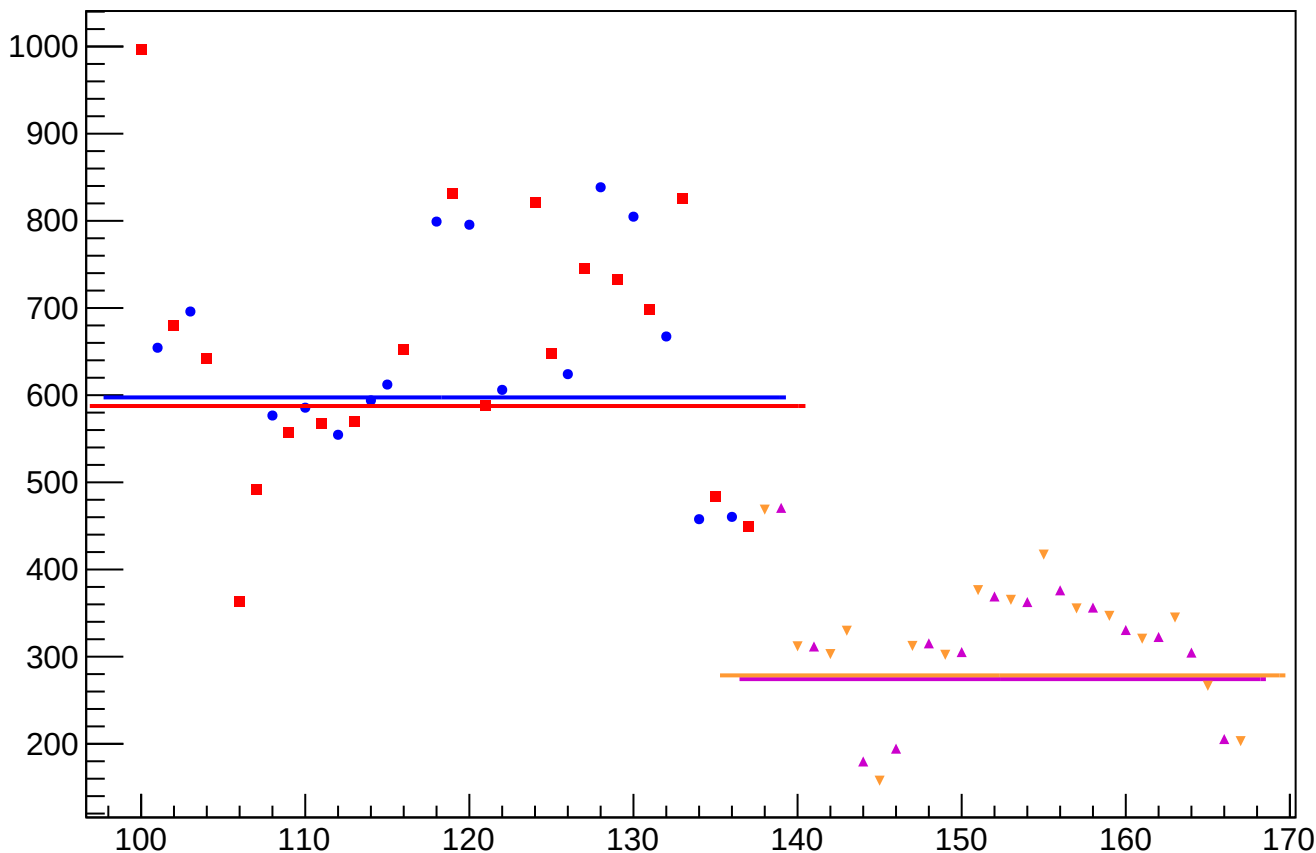
Left In: -33.447 $\pm$ 84.848 χ^2/NDF : 10.5/13

+ sign -487.565 $\pm$ 77.289 χ^2/NDF : 59.7/31

All: -297.959 $\pm$ 55.317 χ^2/NDF : 100.4/64

- sign -98.830 $\pm$ 79.206 χ^2/NDF : 28.4/32

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438 $\pm$ 0.161 χ^2 /NDF: 533791.9/15

Left Out: 278.536 $\pm$ 0.058 χ^2 /NDF: 2139796.3/15

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689035.8/18

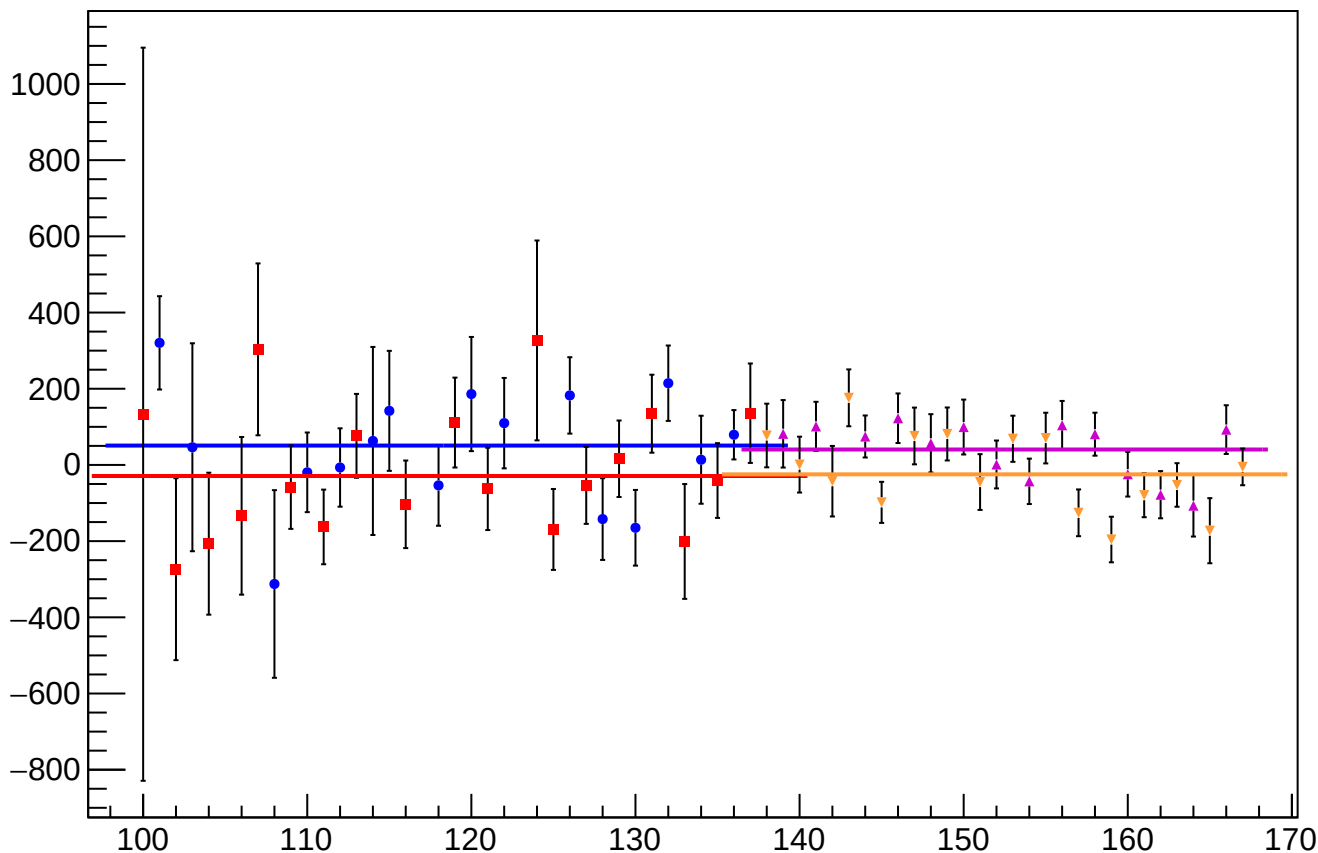
Left In: 274.246 $\pm$ 0.060 χ^2 /NDF: 1746036.5/13

+ sign 315.250 $\pm$ 0.055 χ^2 /NDF: 6142229.6/31

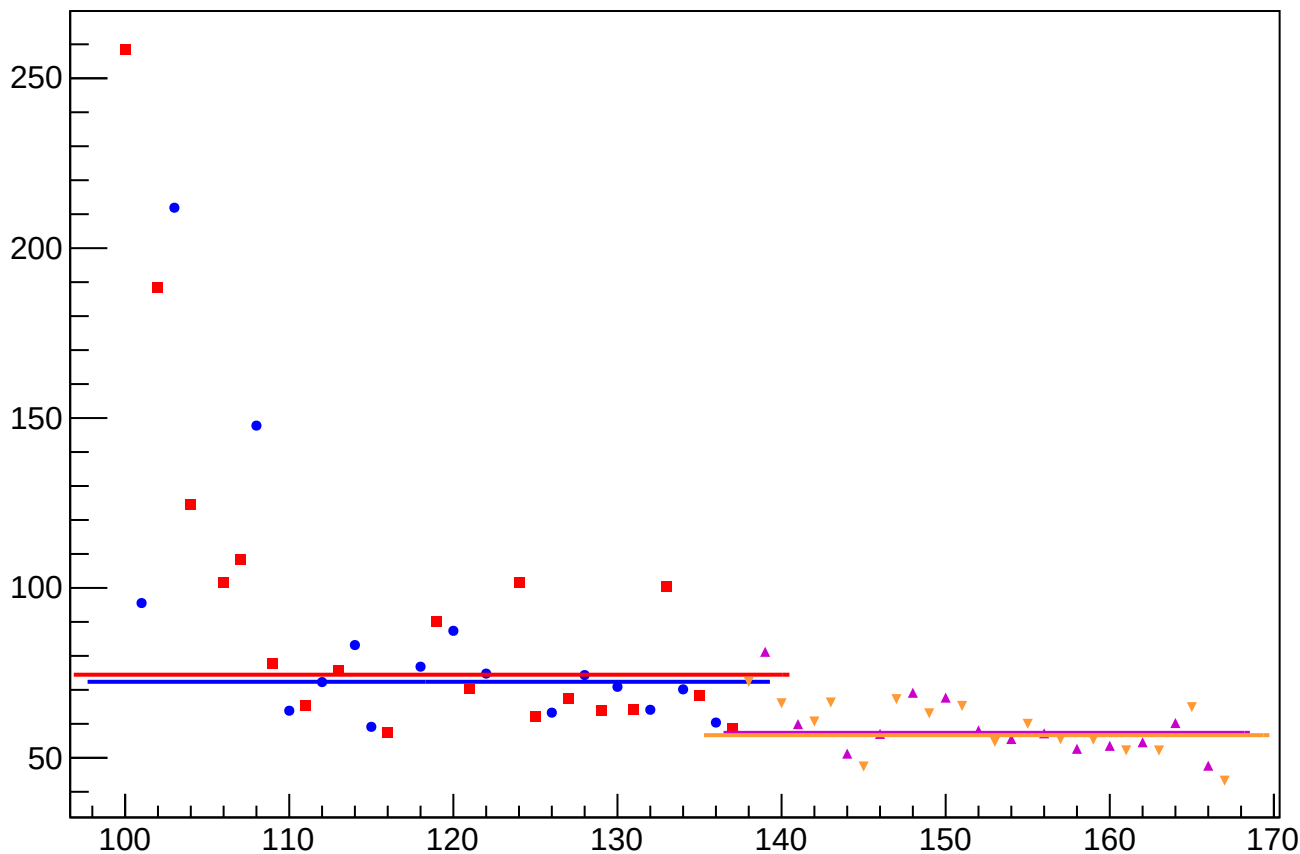
All: 314.897 $\pm$ 0.039 χ^2 /NDF: 12083562.0/64

- sign 314.526 $\pm$ 0.056 χ^2 /NDF: 5941247.0/32

eigen_dit_asym_sam_37_dd_mean vs Slug



eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938180.0/15

Left Out: 56.664+/-0.012 χ^2/NDF : 490669.0/15

Right Out: 74.463+/-0.020 χ^2/NDF : 1052290.0/18

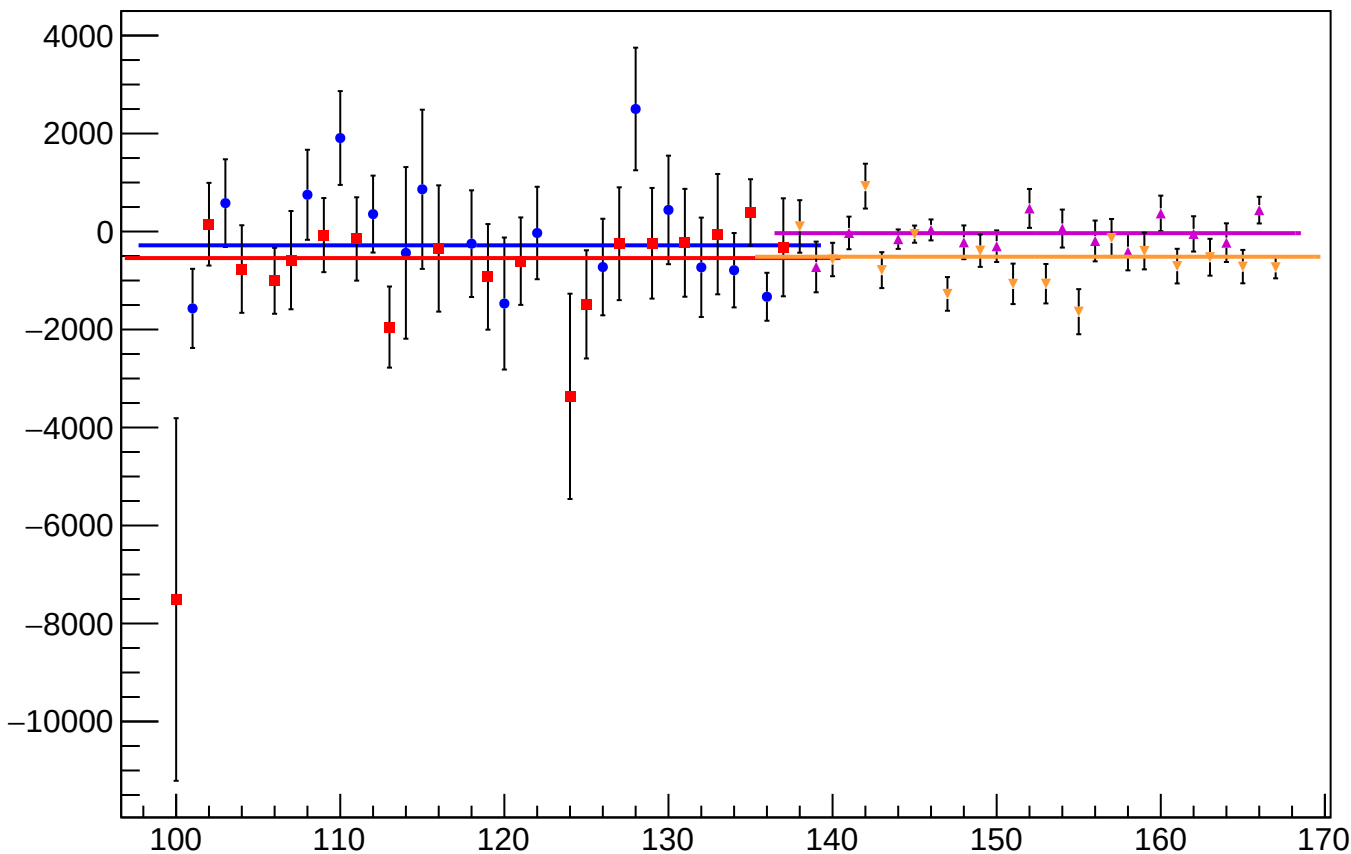
Left In: 57.352+/-0.012 χ^2/NDF : 338652.9/13

+ sign 60.577+/-0.010 χ^2/NDF : 1891385.6/31

All: 61.189+/-0.007 χ^2/NDF : 3806095.3/64

- sign 61.865+/-0.010 χ^2/NDF : 1906808.2/32

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -282.038 $\pm$ 227.789 χ^2/NDF : 22.8/15

Left Out: -514.304 $\pm$ 82.163 χ^2/NDF : 36.0/15

Right Out: -542.028 $\pm$ 220.904 χ^2/NDF : 13.3/18

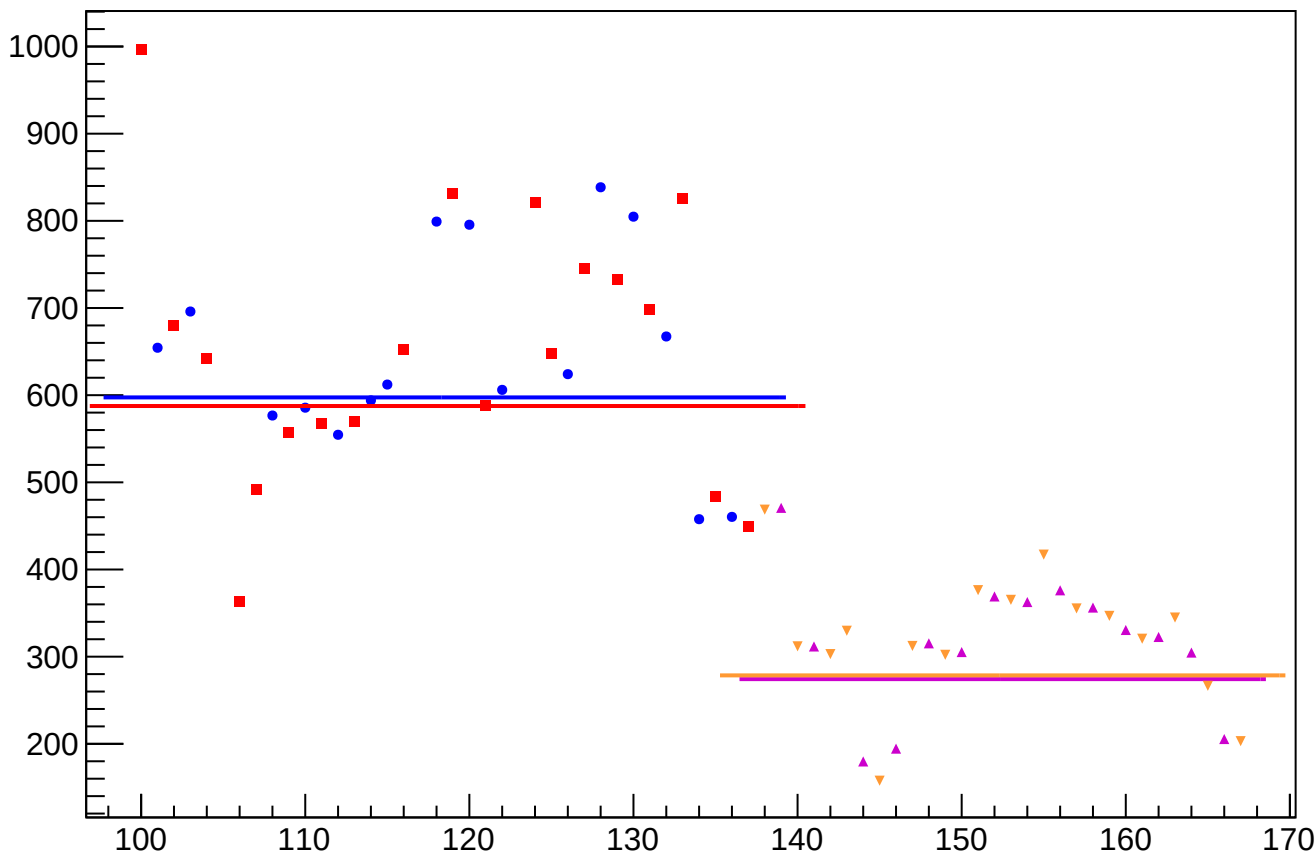
Left In: -33.447 $\pm$ 84.848 χ^2/NDF : 10.5/13

+ sign -487.565 $\pm$ 77.289 χ^2/NDF : 59.7/31

All: -297.959 $\pm$ 55.317 χ^2/NDF : 100.4/64

- sign -98.830 $\pm$ 79.206 χ^2/NDF : 28.4/32

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: 278.536 $\pm$ 0.058 χ^2 /NDF: 2139787.2/15

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689033.6/18

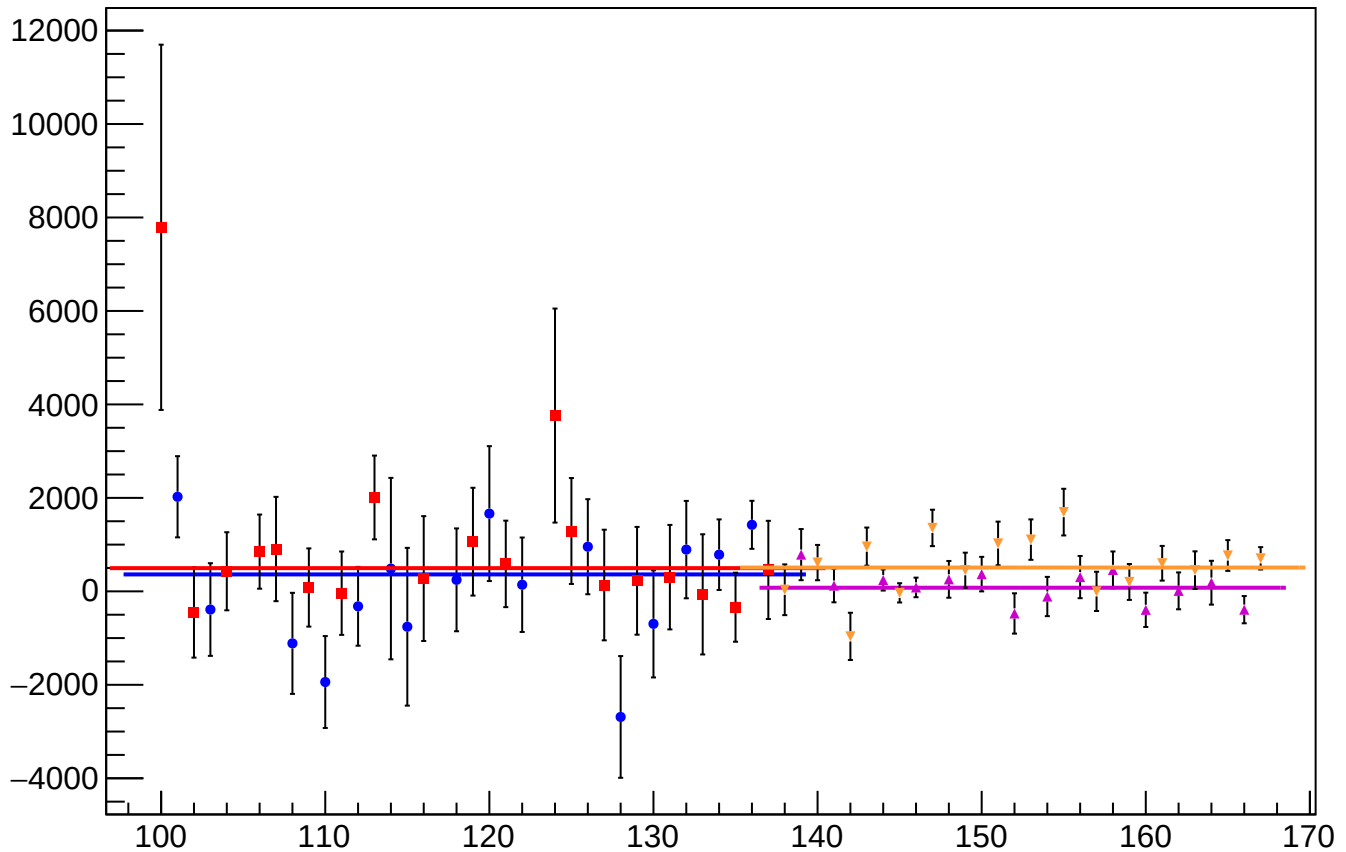
Left In: 274.246 $\pm$ 0.060 χ^2 /NDF: 1746030.9/13

+ sign 315.249 $\pm$ 0.055 χ^2 /NDF: 6142228.2/31

All: 314.897 $\pm$ 0.039 χ^2 /NDF: 12083557.5/64

- sign 314.526 $\pm$ 0.056 χ^2 /NDF: 5941243.8/32

asym_sam_37_dd_mean vs Slug



Right In: 362.384 ± 240.303 χ^2/NDF : 25.1/15

Left Out: 508.982 ± 89.810 χ^2/NDF : 34.5/15

Right Out: 496.639 ± 236.029 χ^2/NDF : 12.7/18

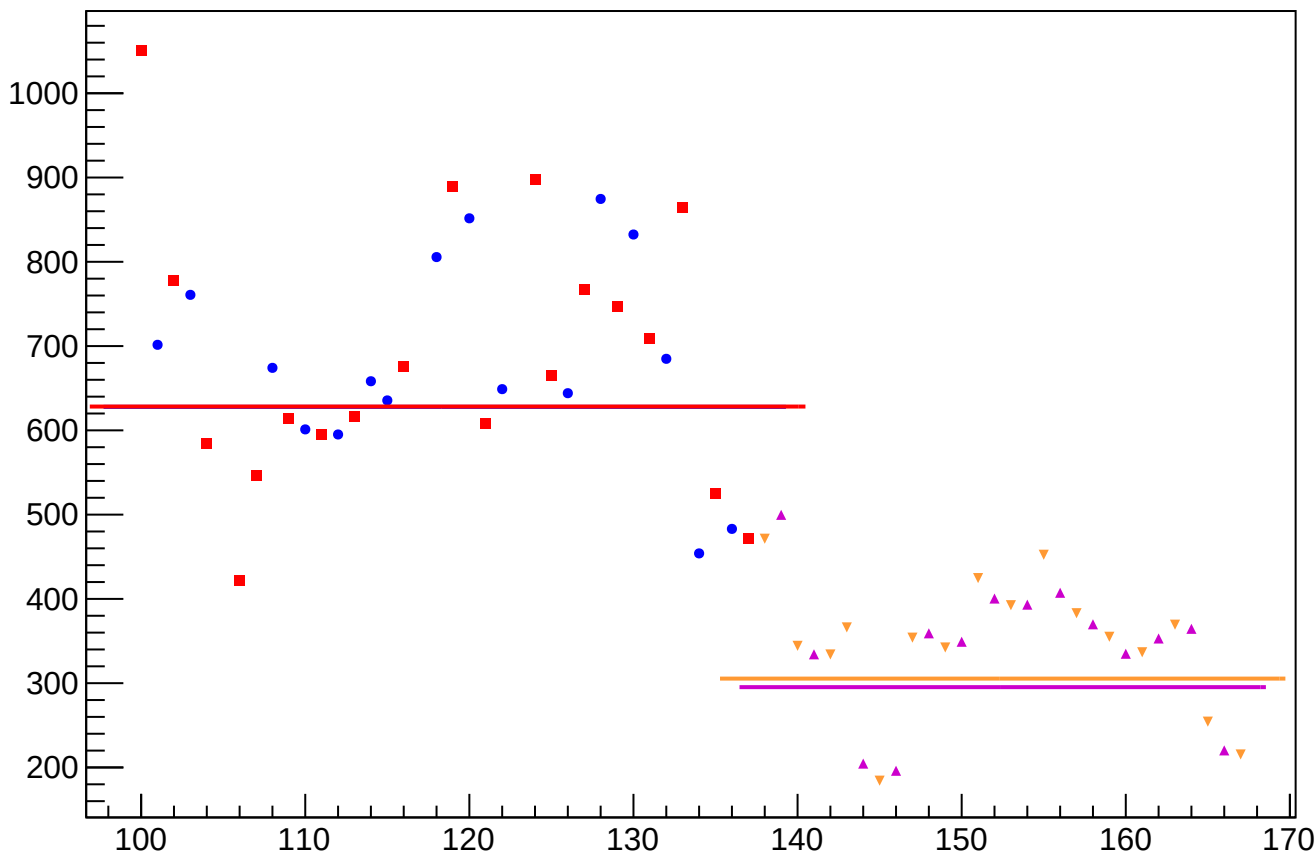
Left In: 77.291 ± 91.333 χ^2/NDF : 10.4/13

+ sign 491.015 ± 84.126 χ^2/NDF : 59.9/31

All: 313.691 ± 59.855 χ^2/NDF : 94.7/64

- sign 131.905 ± 85.178 χ^2/NDF : 25.9/32

asym_sam_37_dd_rms vs Slug



Right In: 627.896 $\pm$ 0.170 χ^2 /NDF: 566795.7/15

Left Out: 305.436 $\pm$ 0.064 χ^2 /NDF:1881837.4/15

Right Out: 628.250 $\pm$ 0.167 χ^2 /NDF: 570979.3/18

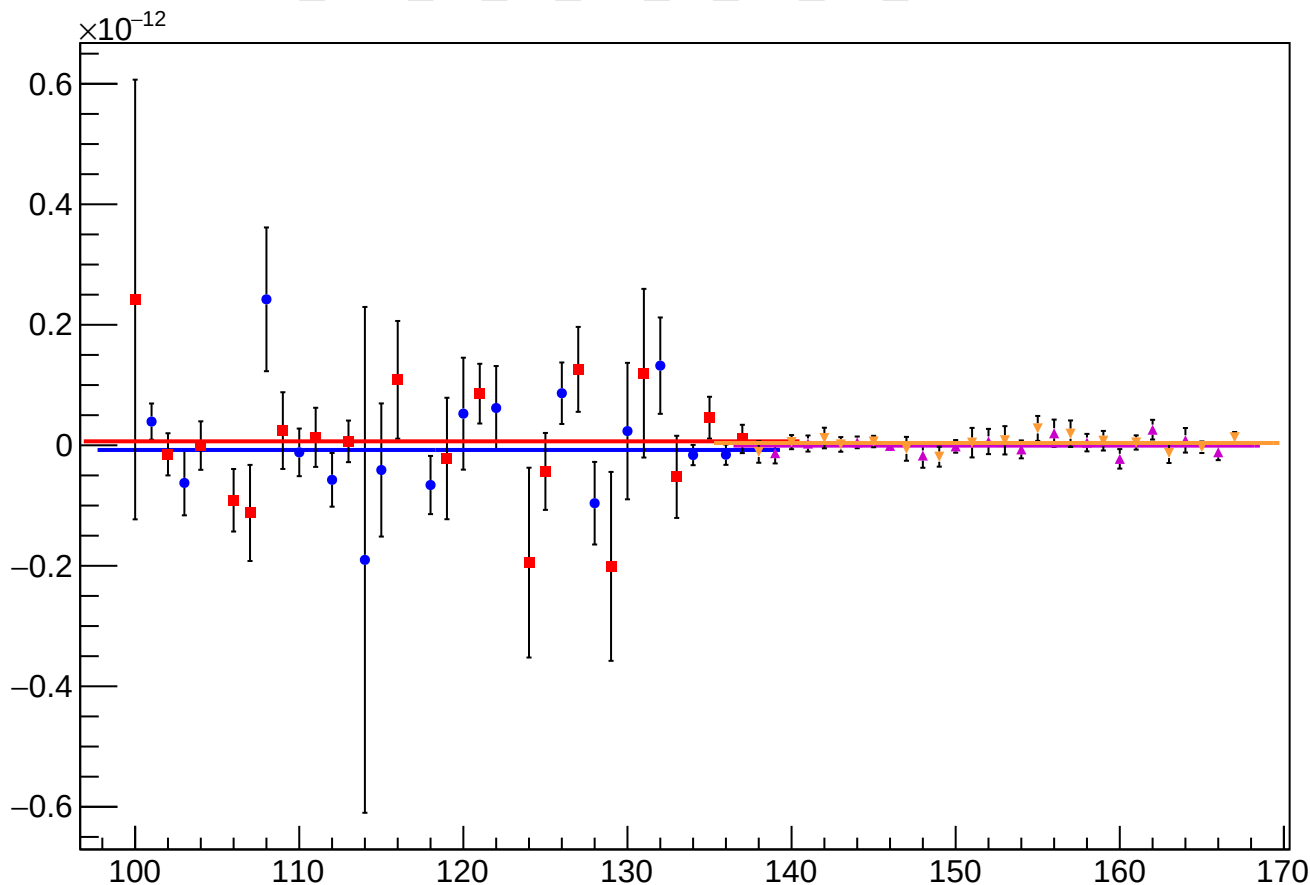
Left In: 295.292 $\pm$ 0.065 χ^2 /NDF:1833994.8/13

+ sign 344.957 $\pm$ 0.059 χ^2 /NDF: 5608582.6/31

All: 341.845 $\pm$ 0.042 χ^2 /NDF: 11480734.8/64

- sign 338.655 $\pm$ 0.060 χ^2 /NDF: 5866610.3/32

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 : 7.8/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.0/18

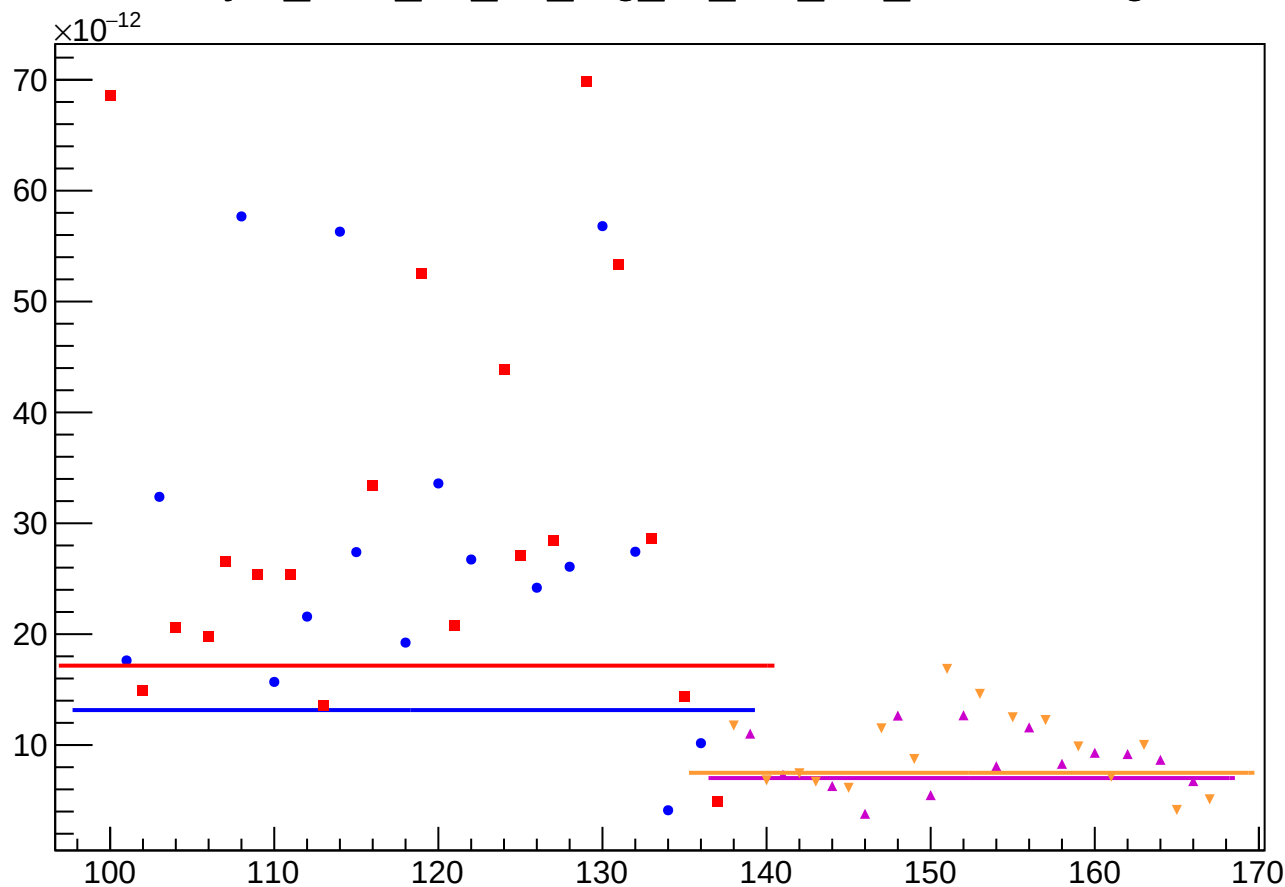
Left In: -0.000 ± 0.000 χ^2/NDF : 8.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 30.1/31

All: 0.000 ± 0.000 χ^2/NDF : 58.9/64

- sign 0.000 ± 0.000 χ^2/NDF : 28.5/32

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 : 1433975.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1646197.6/18

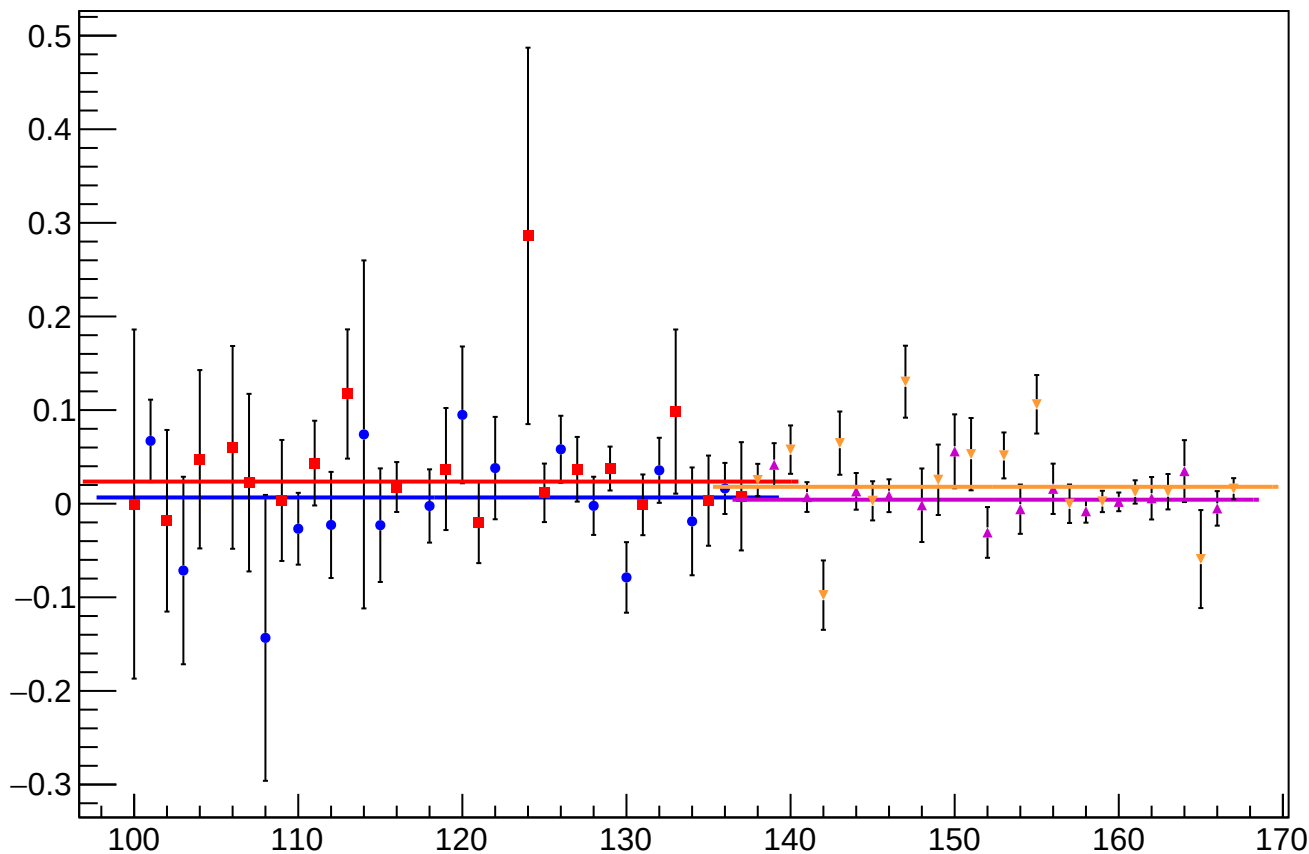
Left In: 0.000+/-0.000 χ^2/NDF : 1043483.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 4159121.4/31

All: 0.000+/-0.000 χ^2/NDF : 8266694.9/64

- sign 0.000+/-0.000 χ^2/NDF : 4101070.1/32

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.018 ± 0.005 $\chi^2/\text{NDF}: 39.0/15$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

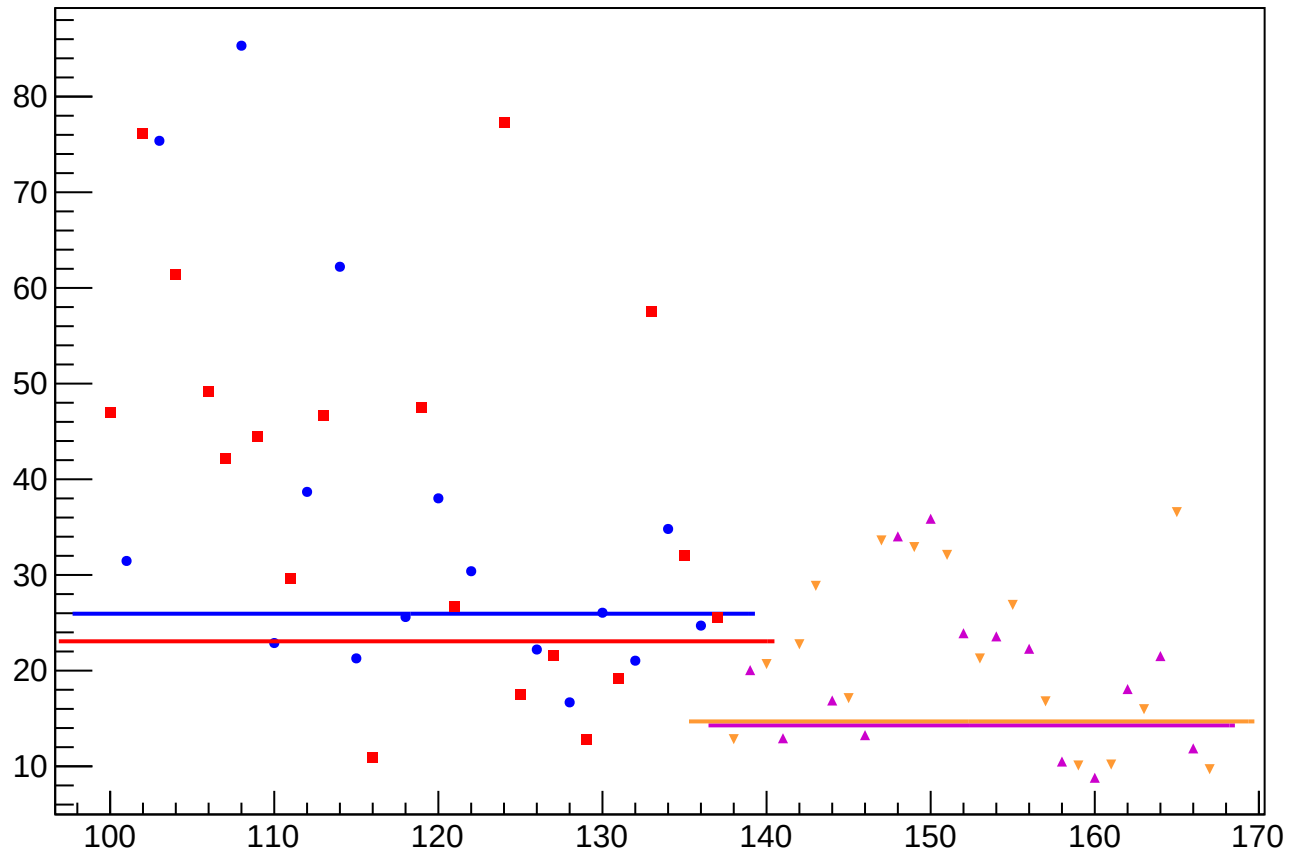
Left In: 0.004 ± 0.005 $\chi^2/\text{NDF}: 8.9/13$

+ sign 0.016 ± 0.005 $\chi^2/\text{NDF}: 54.9/31$

All: 0.012 ± 0.003 $\chi^2/\text{NDF}: 75.8/64$

- sign 0.008 ± 0.005 $\chi^2/\text{NDF}: 19.1/32$

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: 14.692 $\pm$ 0.003 χ^2/NDF : 3771761.8/15

Right Out: 23.065 $\pm$ 0.007 χ^2/NDF : 3360857.8/18

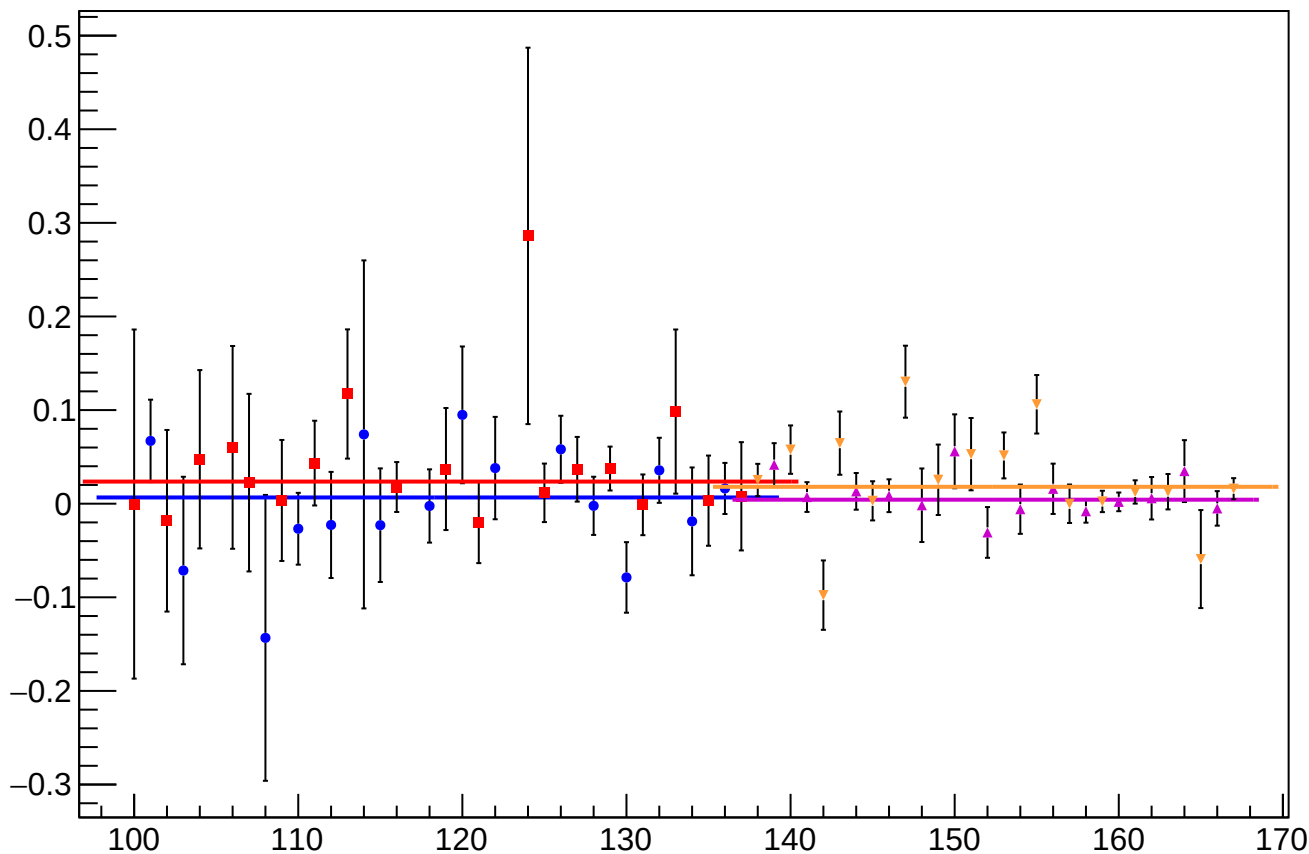
Left In: 14.278 $\pm$ 0.004 χ^2/NDF : 2945862.5/13

+ sign 16.551 $\pm$ 0.003 χ^2/NDF : 6870940.7/31

All: 16.232 $\pm$ 0.002 χ^2/NDF : 14337608.1/64

- sign 15.911 $\pm$ 0.003 χ^2/NDF : 7446630.7/32

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: 0.018 $\pm$ 0.005 χ^2 /NDF: 39.0/15

Right Out: 0.024 $\pm$ 0.011 χ^2 /NDF: 7.5/18

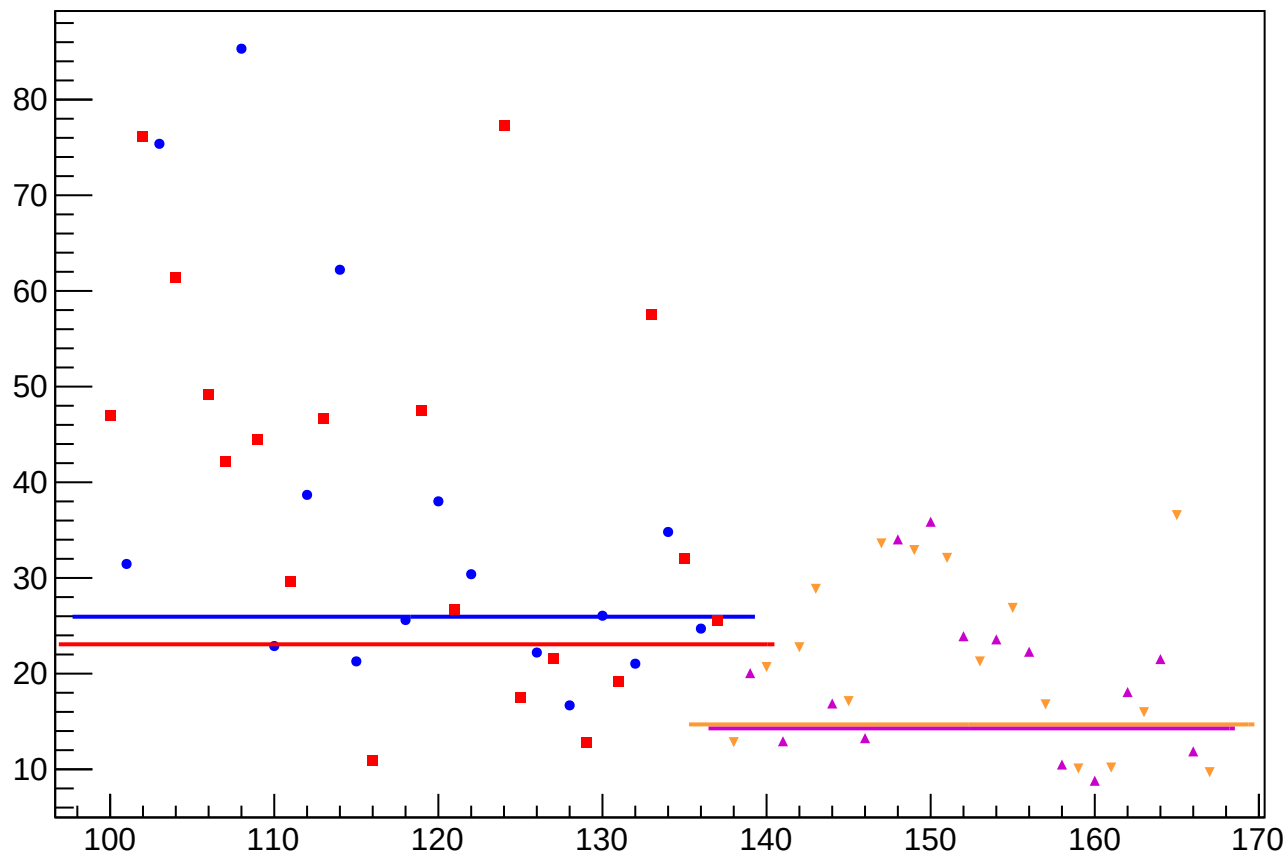
Left In: 0.004 $\pm$ 0.005 χ^2 /NDF: 8.9/13

+ sign 0.016 $\pm$ 0.005 χ^2 /NDF: 54.9/31

All: 0.012 $\pm$ 0.003 χ^2 /NDF: 75.8/64

- sign 0.008 $\pm$ 0.005 χ^2 /NDF: 19.1/32

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: 14.692 $\pm$ 0.003 χ^2 /NDF: 3771761.8/15

Right Out: 23.065 $\pm$ 0.007 χ^2 /NDF: 3360857.8/18

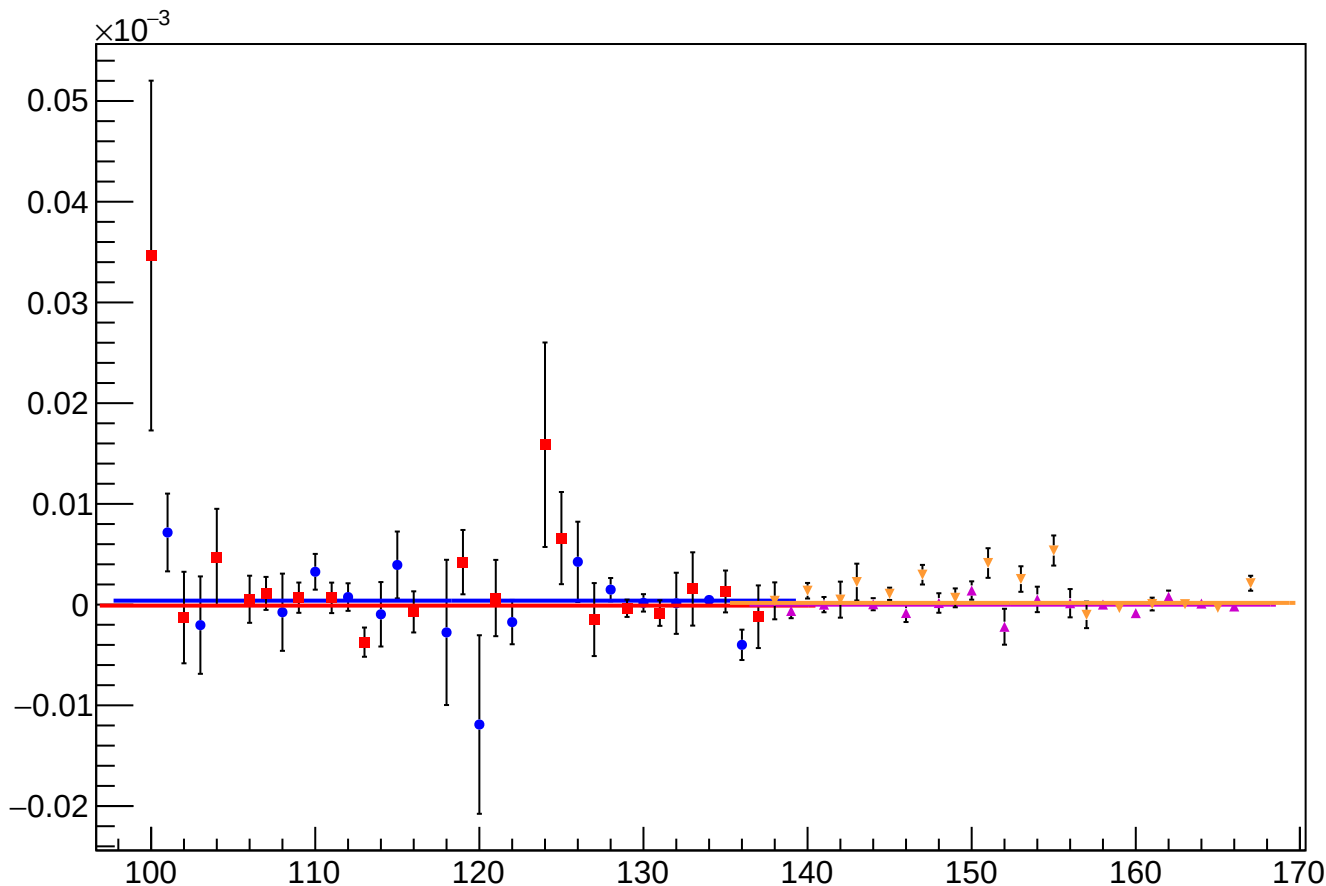
Left In: 14.278 $\pm$ 0.004 χ^2 /NDF: 2945862.5/13

+ sign 16.551 $\pm$ 0.003 χ^2 /NDF: 6870940.7/31

All: 16.232 $\pm$ 0.002 χ^2 /NDF: 14337608.1/64

- sign 15.911 $\pm$ 0.003 χ^2 /NDF: 7446630.7/32

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:52.0/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

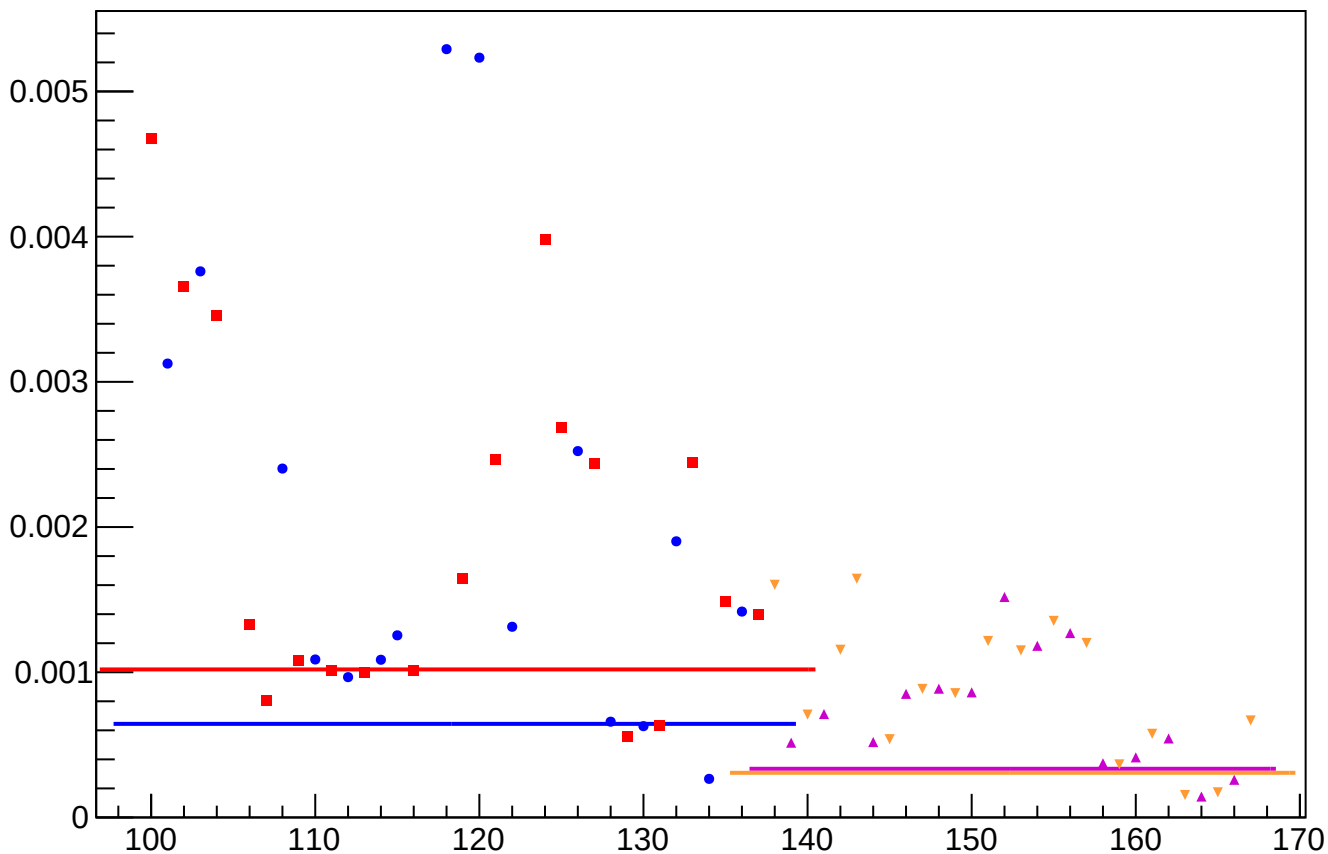
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.2/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.5/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/32

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: 0.000+/-0.000 χ^2/NDF : 11245526.6/15

Right Out: 0.001+/-0.000 χ^2/NDF : 3662501.2/18

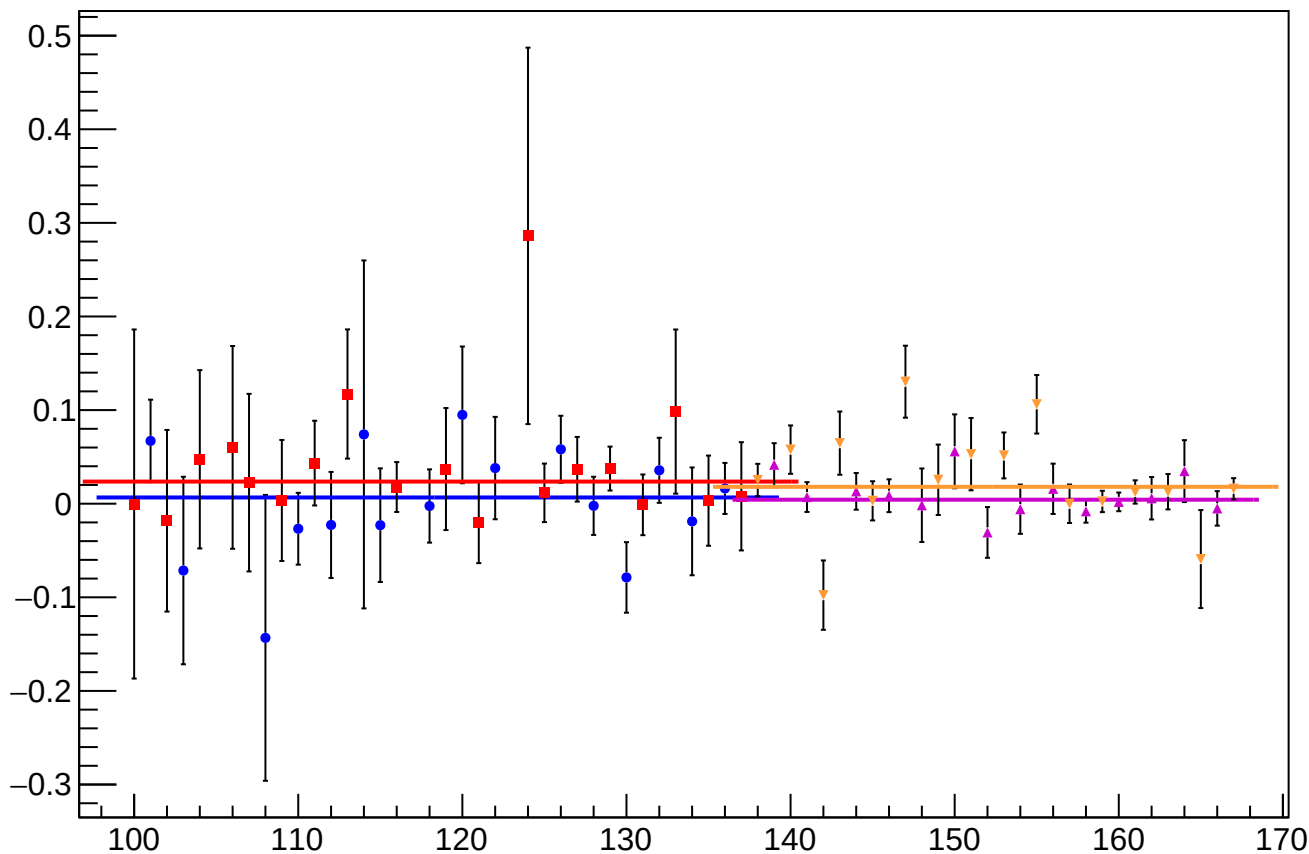
Left In: 0.000+/-0.000 χ^2/NDF : 7924208.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 19568175.1/31

All: 0.000+/-0.000 χ^2/NDF : 35552221.2/64

- sign 0.000+/-0.000 χ^2/NDF : 15852854.9/32

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: 0.018 $\pm$ 0.005 χ^2/NDF : 39.1/15

Right Out: 0.024 $\pm$ 0.011 χ^2/NDF : 7.5/18

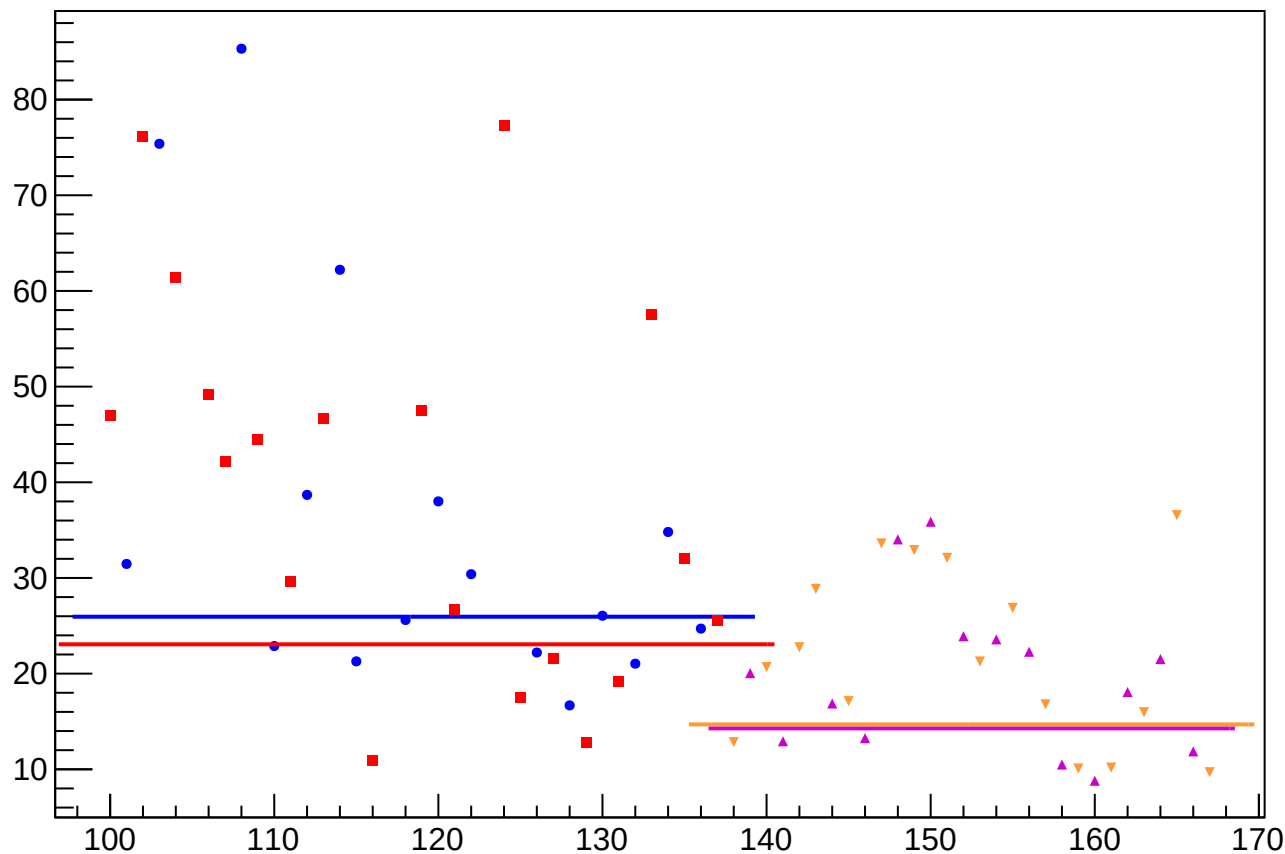
Left In: 0.004 $\pm$ 0.005 χ^2/NDF : 8.9/13

+ sign 0.016 $\pm$ 0.005 χ^2/NDF : 54.9/31

All: 0.012 $\pm$ 0.003 χ^2/NDF : 75.8/64

- sign 0.008 $\pm$ 0.005 χ^2/NDF : 19.1/32

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF : 1381591.4/15

Left Out: 14.692+/-0.003 χ^2/NDF : 3771935.1/15

Right Out: 23.066+/-0.007 χ^2/NDF : 3360688.5/18

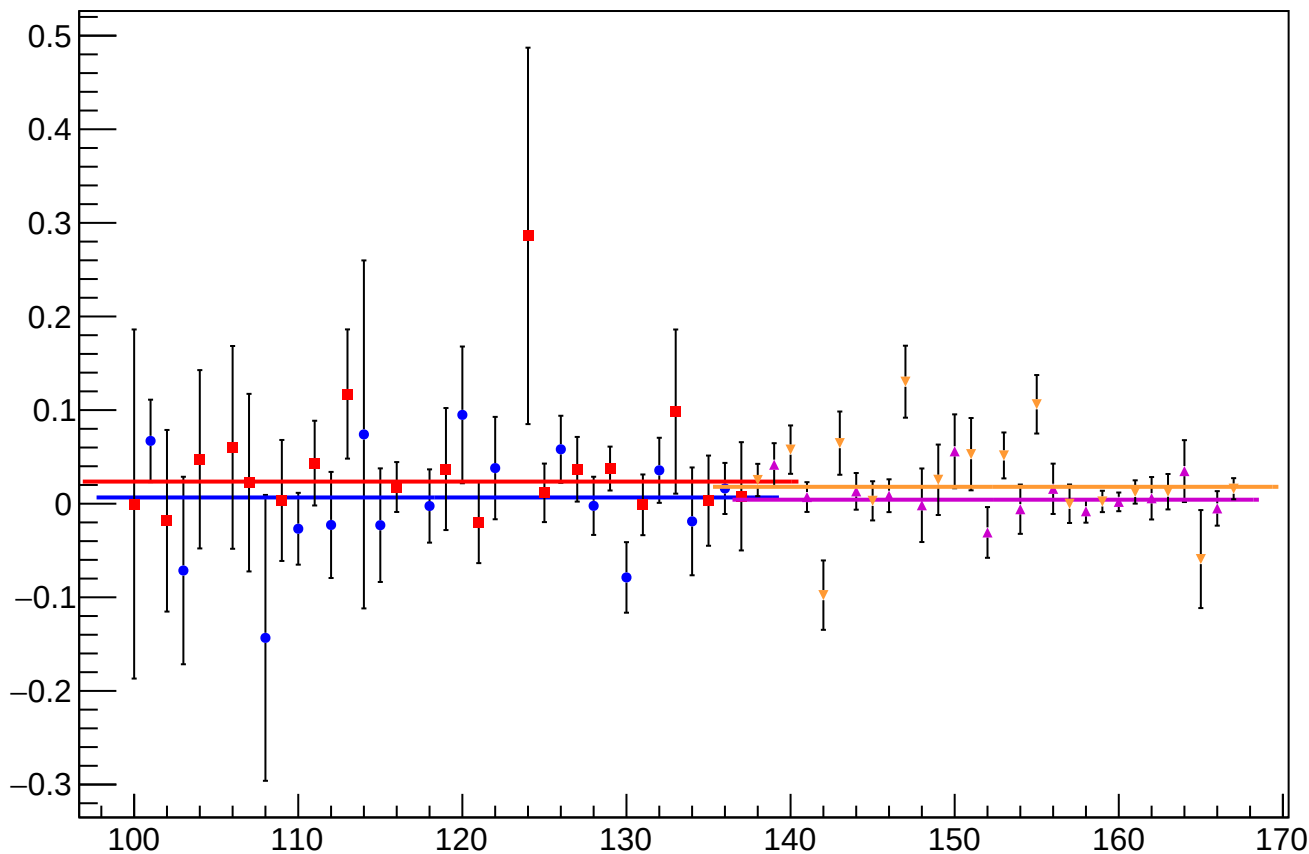
Left In: 14.279+/-0.004 χ^2/NDF : 2946017.8/13

+ sign 16.551+/-0.003 χ^2/NDF : 6871075.3/31

All: 16.232+/-0.002 χ^2/NDF : 14337816.6/64

- sign 15.911+/-0.003 χ^2/NDF : 7446697.9/32

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: 0.018 ± 0.005 $\chi^2/\text{NDF}: 39.1/15$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

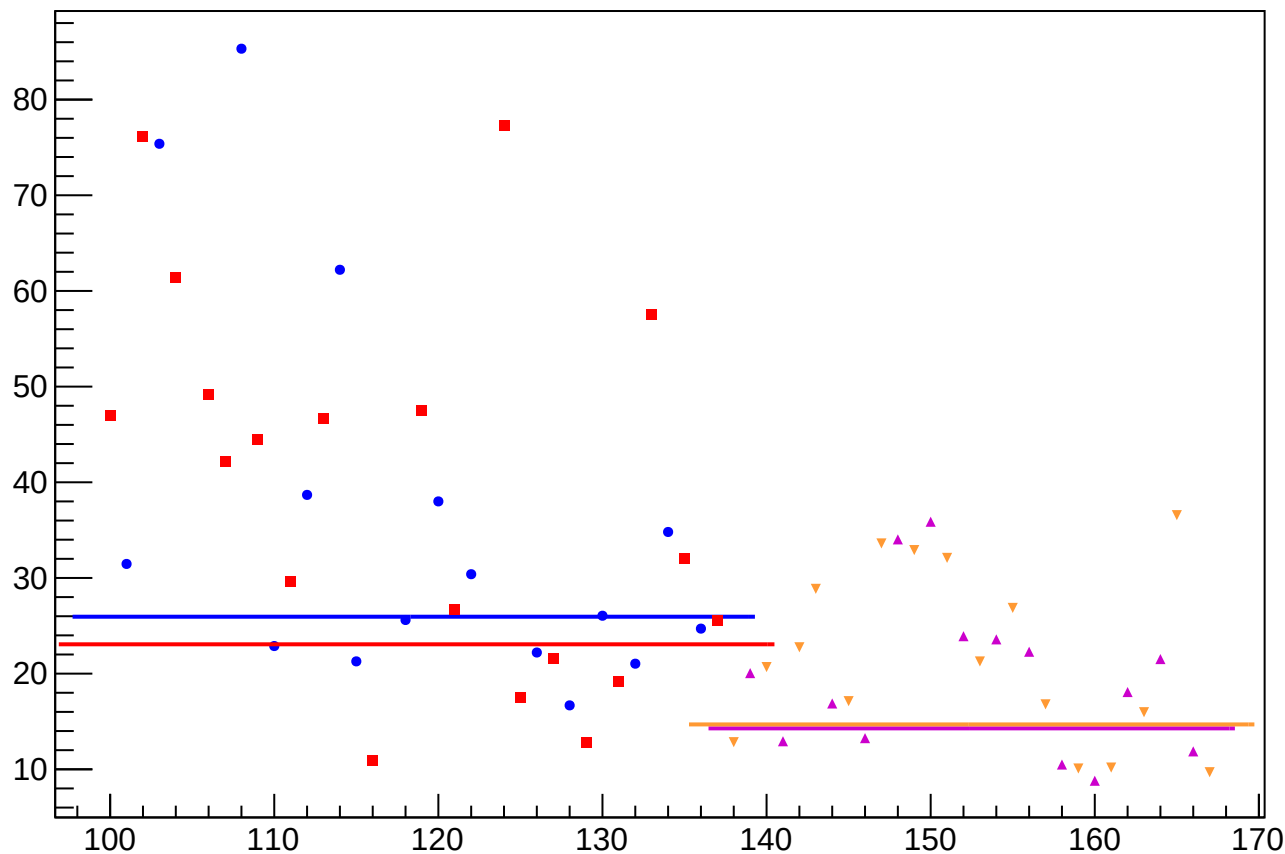
Left In: 0.004 ± 0.005 $\chi^2/\text{NDF}: 8.9/13$

+ sign 0.016 ± 0.005 $\chi^2/\text{NDF}: 54.9/31$

All: 0.012 ± 0.003 $\chi^2/\text{NDF}: 75.8/64$

- sign 0.008 ± 0.005 $\chi^2/\text{NDF}: 19.1/32$

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.950 ± 0.008 $\chi^2/\text{NDF}: 1381591.4/15$

Left Out: 14.692 ± 0.003 $\chi^2/\text{NDF}: 3771935.1/15$

Right Out: 23.066 ± 0.007 $\chi^2/\text{NDF}: 3360688.5/18$

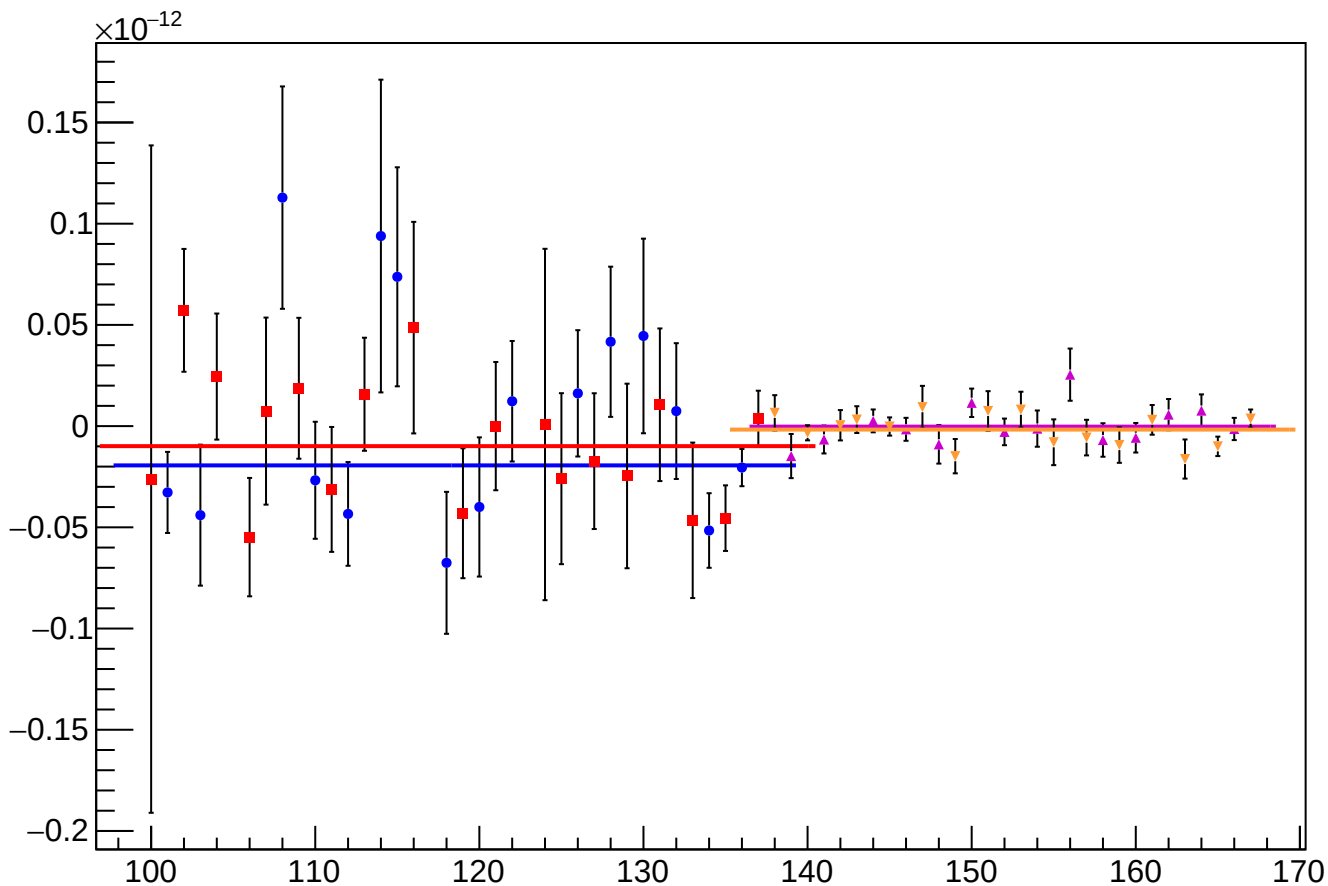
Left In: 14.279 ± 0.004 $\chi^2/\text{NDF}: 2946017.8/13$

+ sign 16.551 ± 0.003 $\chi^2/\text{NDF}: 6871075.3/31$

All: 16.232 ± 0.002 $\chi^2/\text{NDF}: 14337816.6/64$

- sign 15.911 ± 0.003 $\chi^2/\text{NDF}: 7446697.9/32$

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 : 15.8/15

Right Out: -0.000+/-0.000 χ^2/NDF : 20.3/18

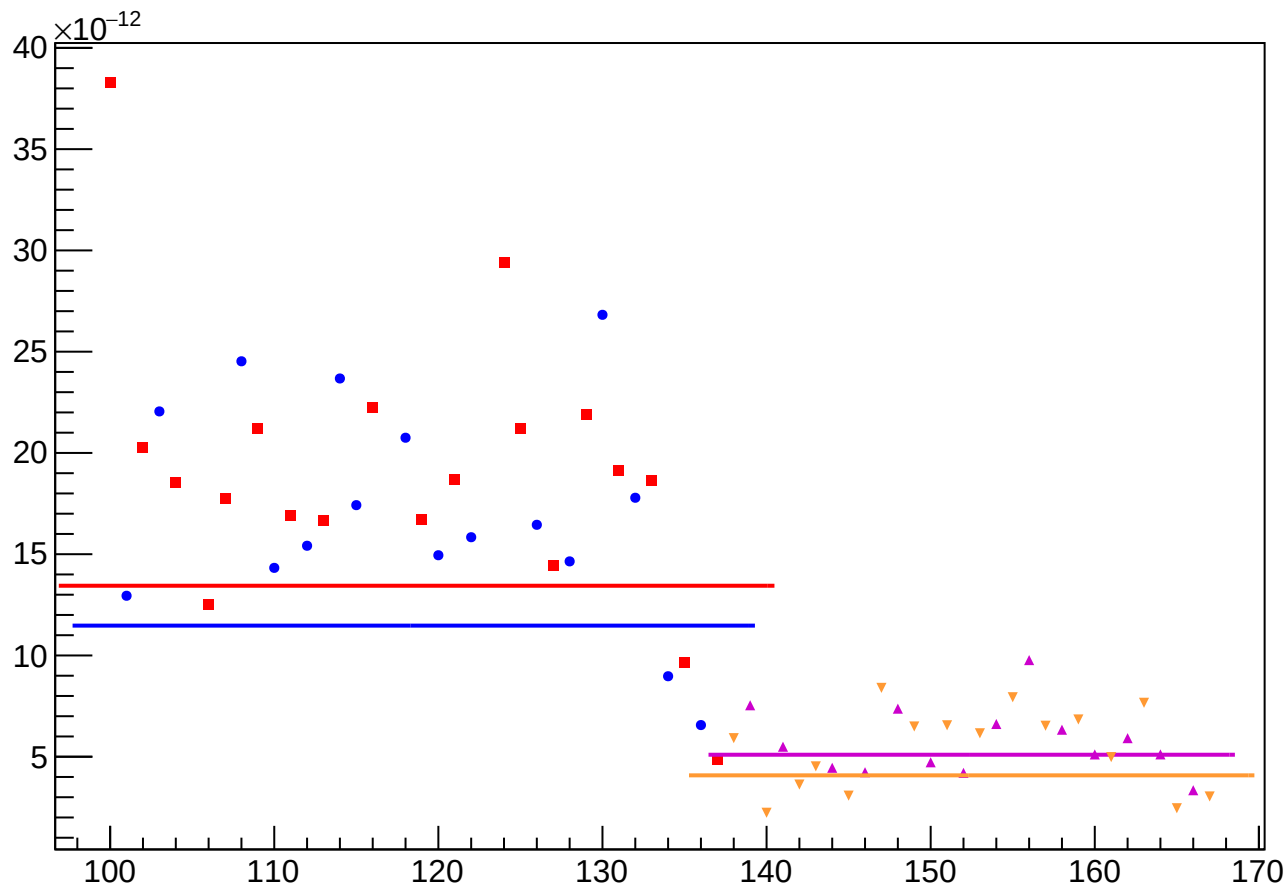
Left In: -0.000+/-0.000 χ^2/NDF : 13.5/13

+ sign -0.000+/-0.000 χ^2/NDF : 49.5/31

All: -0.000+/-0.000 χ^2/NDF : 85.8/64

- sign -0.000+/-0.000 χ^2/NDF : 35.7/32

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 : 2653845.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1672848.8/18

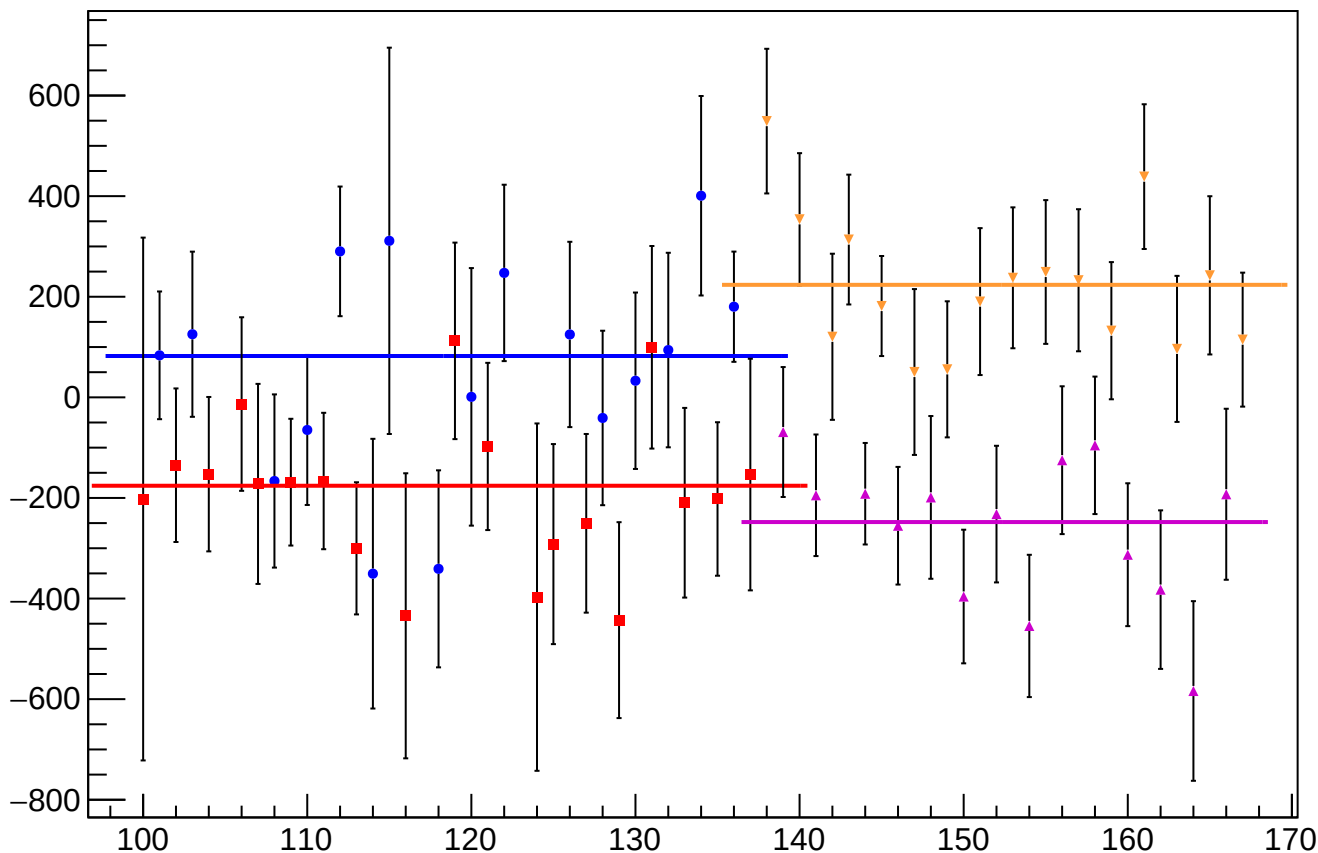
Left In: 0.000+/-0.000 χ^2/NDF : 927370.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 7052439.1/31

All: 0.000+/-0.000 χ^2/NDF : 12895747.7/64

- sign 0.000+/-0.000 χ^2/NDF : 5400573.7/32

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 223.687 ± 34.529 $\chi^2/\text{NDF}: 14.0/15$

Right Out: -175.732 ± 40.673 $\chi^2/\text{NDF}: 9.9/18$

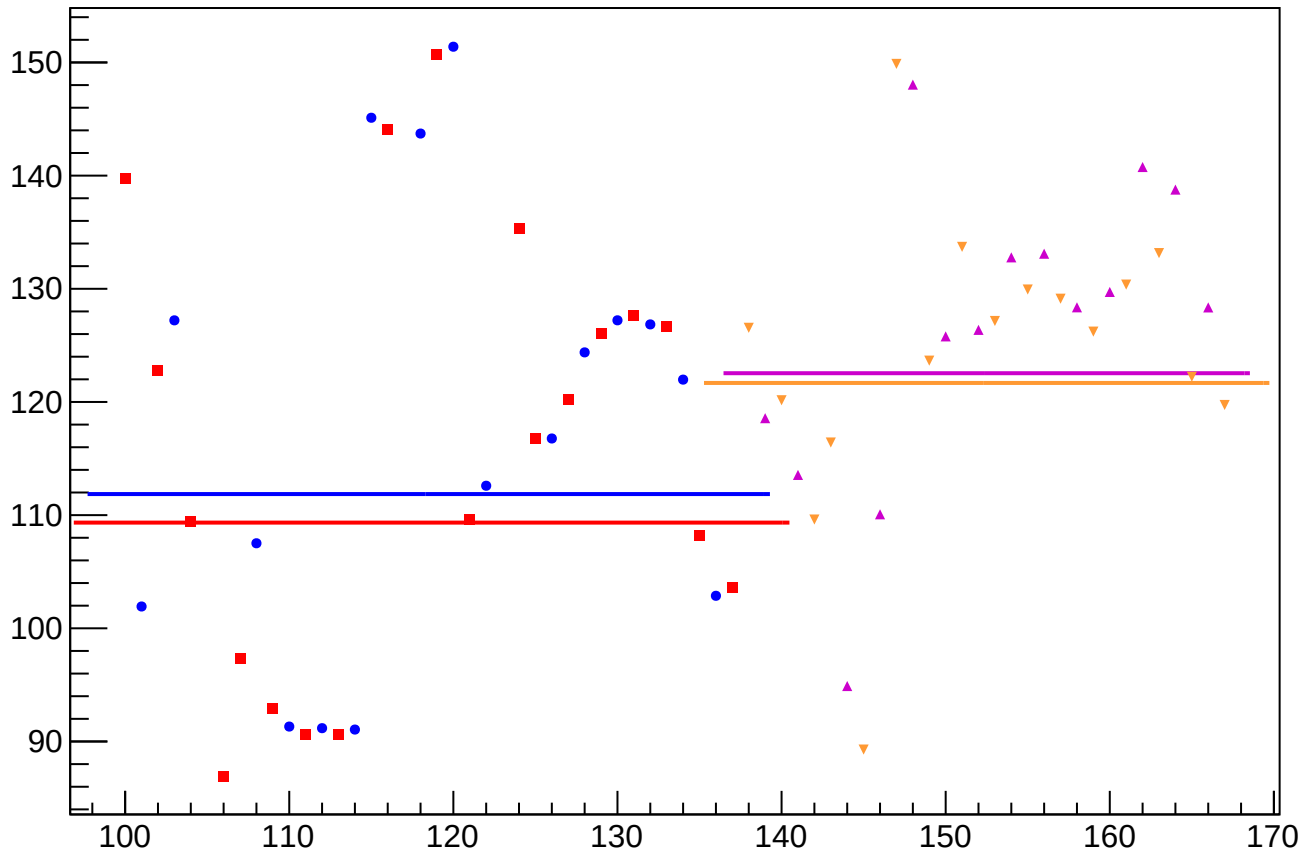
Left In: -247.927 ± 36.407 $\chi^2/\text{NDF}: 12.4/13$

+ sign 166.839 ± 26.706 $\chi^2/\text{NDF}: 39.2/31$

All: -21.501 ± 19.031 $\chi^2/\text{NDF}: 164.3/64$

- sign -215.813 ± 27.127 $\chi^2/\text{NDF}: 24.0/32$

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306023.8/15

Left Out: 121.681 $\pm$ 0.024 χ^2 /NDF:338941.7/15

Right Out: 109.340 $\pm$ 0.029 χ^2 /NDF: 367219.9/18

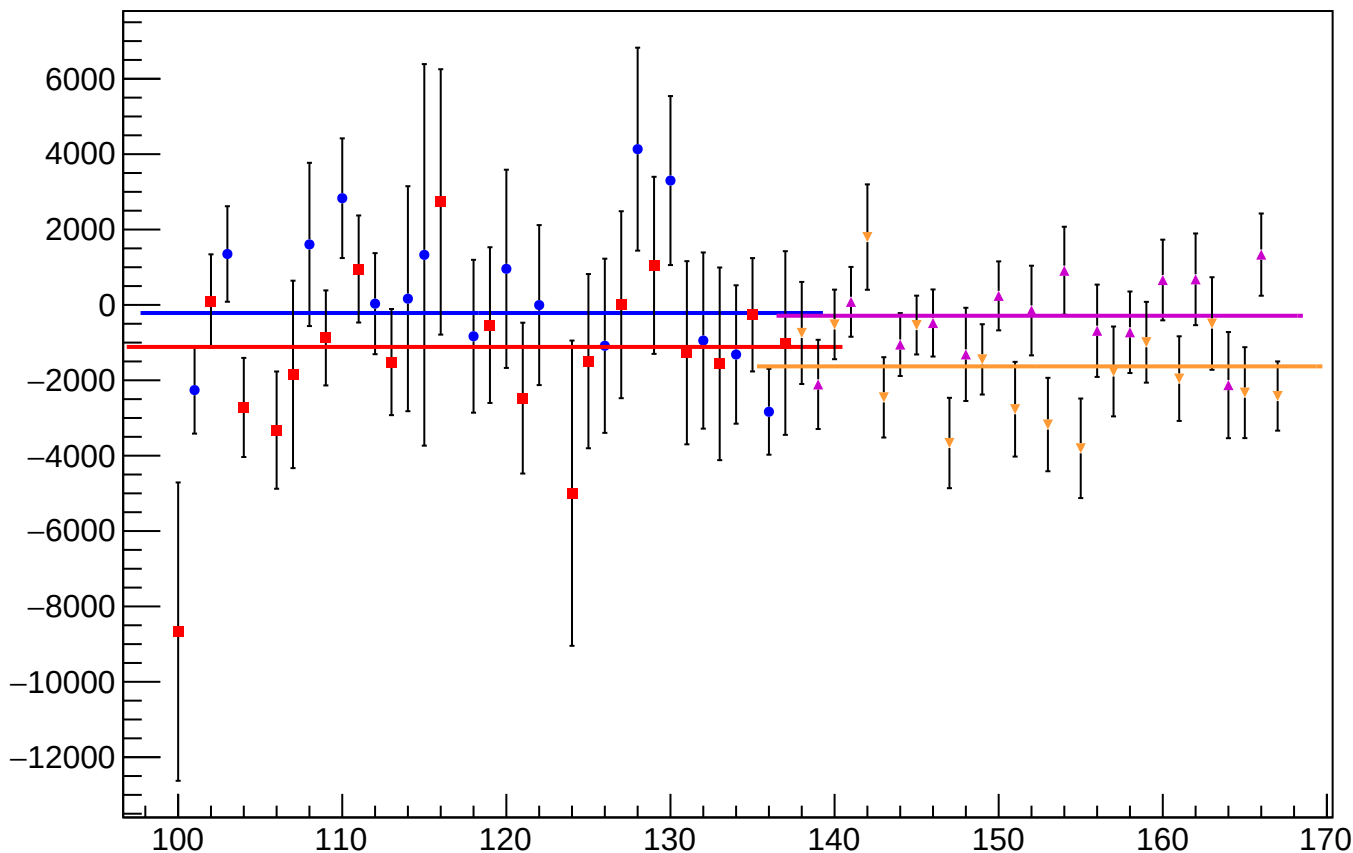
Left In: 122.541 $\pm$ 0.026 χ^2 /NDF:313334.3/13

+ sign 117.736 $\pm$ 0.019 χ^2 /NDF: 709940.0/31

All: 117.211 $\pm$ 0.013 χ^2 /NDF: 1509035.0/64

- sign 116.669 $\pm$ 0.019 χ^2 /NDF: 797525.2/32

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187 ± 443.962 $\chi^2/\text{NDF}: 20.4/15$

Left Out: -1630.890 ± 273.610 $\chi^2/\text{NDF}: 20.8/15$

Right Out: -1114.700 ± 423.039 $\chi^2/\text{NDF}: 14.5/18$

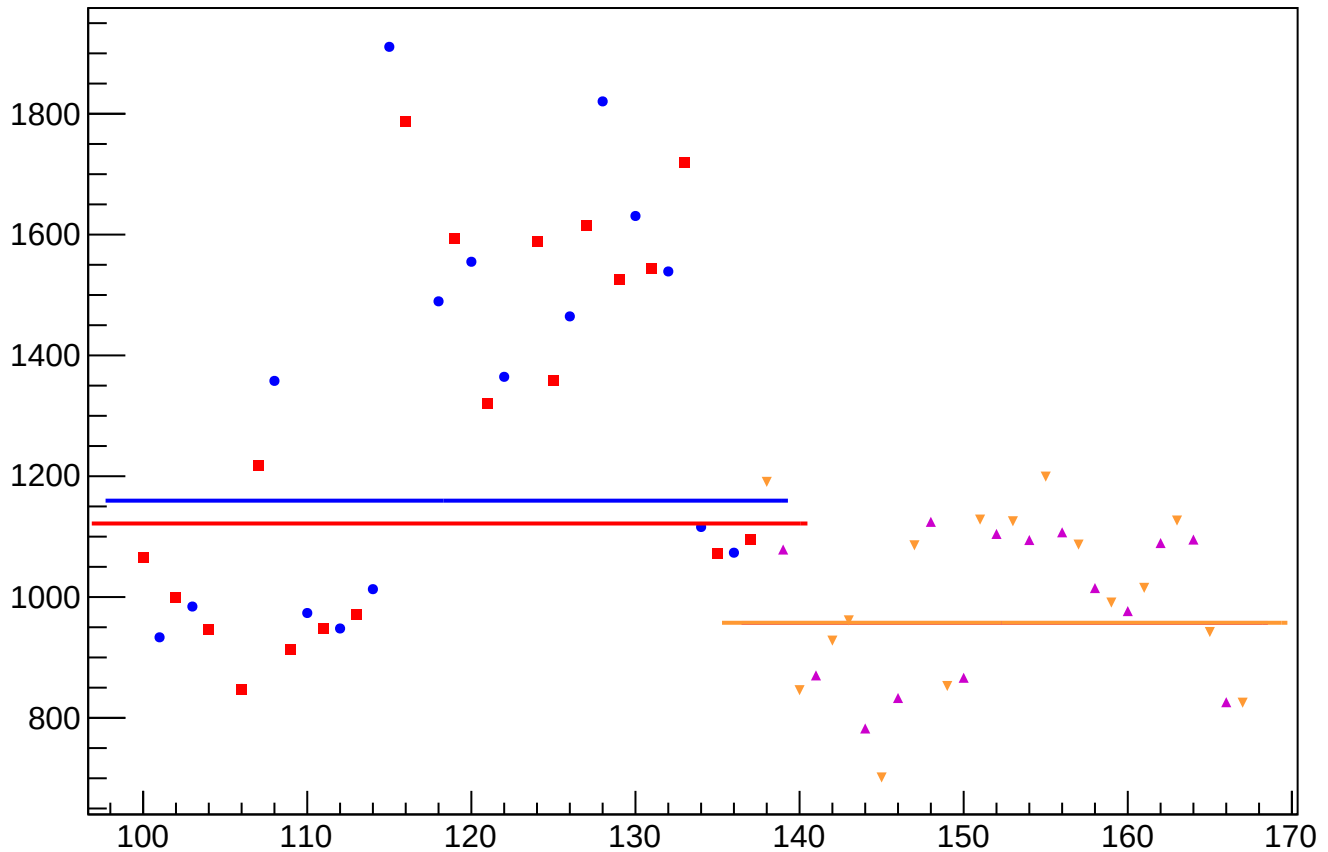
Left In: -287.558 ± 285.370 $\chi^2/\text{NDF}: 11.1/13$

+ sign -1240.921 ± 232.928 $\chi^2/\text{NDF}: 48.7/31$

All: -898.974 ± 165.979 $\chi^2/\text{NDF}: 81.3/64$

- sign -546.235 ± 236.575 $\chi^2/\text{NDF}: 28.3/32$

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567 ± 0.314 $\chi^2/\text{NDF}: 683693.3/15$

Left Out: 957.424 ± 0.193 $\chi^2/\text{NDF}: 604238.2/15$

Right Out: 1121.752 ± 0.299 $\chi^2/\text{NDF}: 782273.3/18$

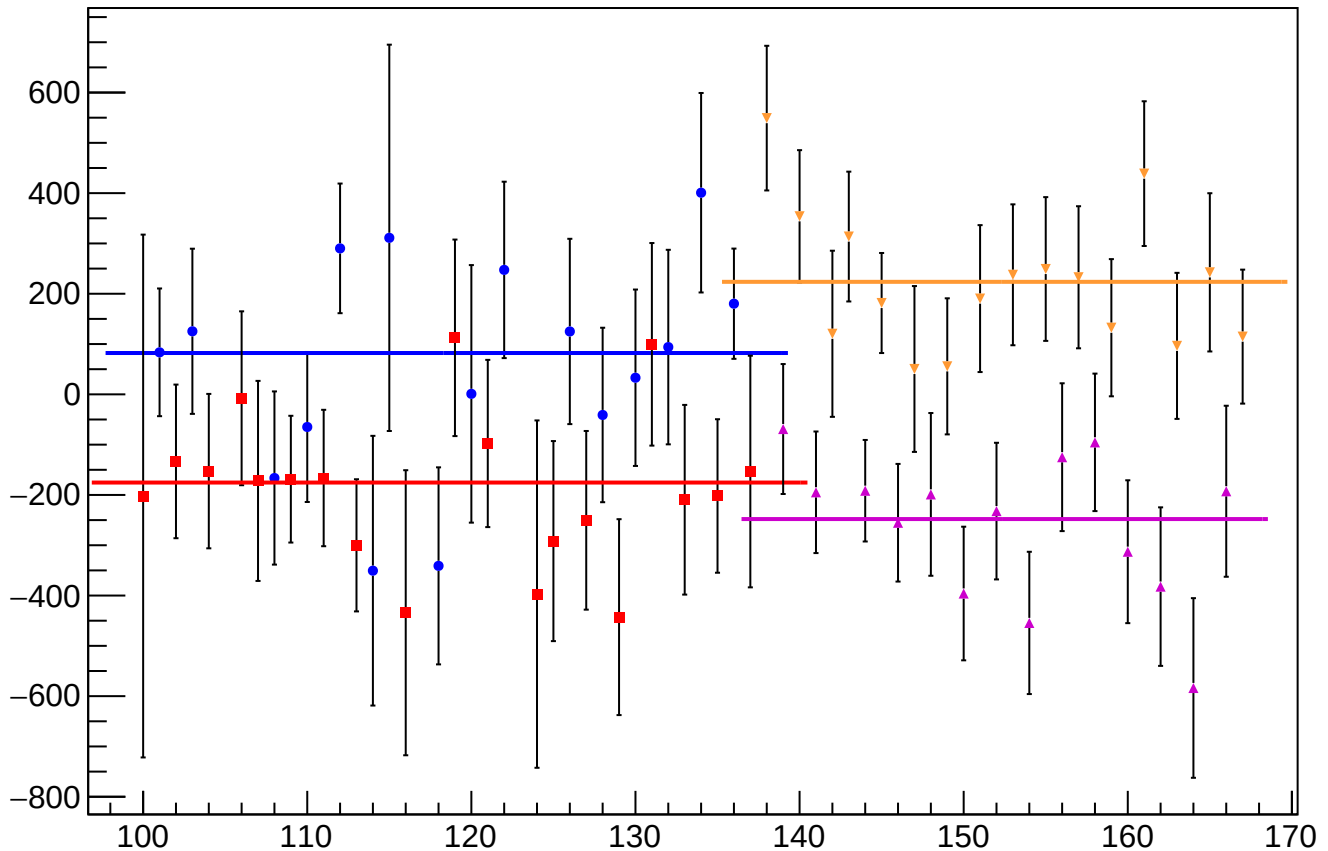
Left In: 957.098 ± 0.202 $\chi^2/\text{NDF}: 388039.4/13$

+ sign 1013.067 ± 0.165 $\chi^2/\text{NDF}: 1588423.4/31$

All: 1010.864 ± 0.117 $\chi^2/\text{NDF}: 2967326.1/64$

- sign 1008.591 ± 0.167 $\chi^2/\text{NDF}: 1378539.1/32$

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 223.691 ± 34.529 $\chi^2/\text{NDF}: 14.0/15$

Right Out: -175.338 ± 40.678 $\chi^2/\text{NDF}: 9.9/18$

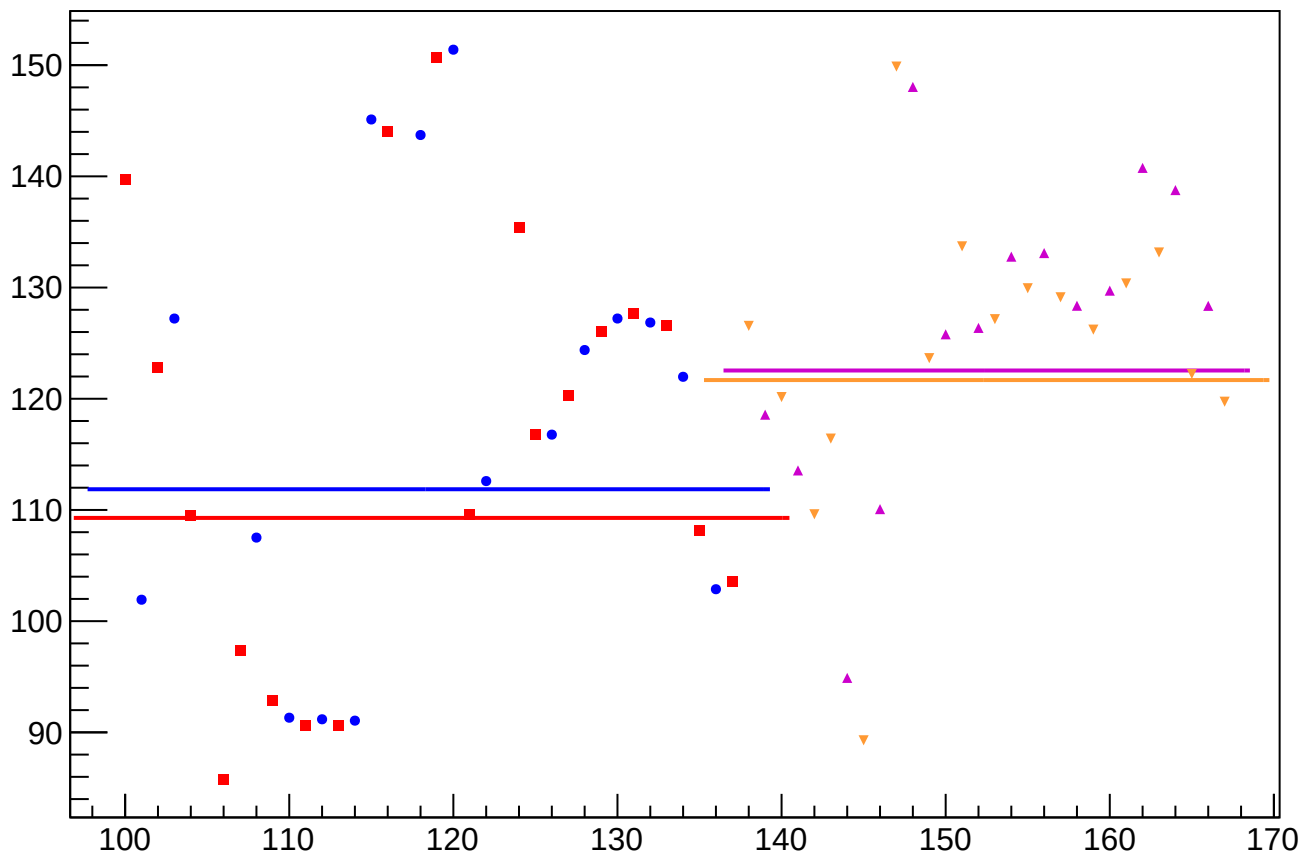
Left In: -247.928 ± 36.407 $\chi^2/\text{NDF}: 12.4/13$

+ sign 166.836 ± 26.706 $\chi^2/\text{NDF}: 39.2/31$

All: -21.407 ± 19.032 $\chi^2/\text{NDF}: 164.2/64$

- sign -215.644 ± 27.128 $\chi^2/\text{NDF}: 24.1/32$

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306025.0/15

Left Out: 121.681 $\pm$ 0.024 χ^2 /NDF:338941.7/15

Right Out: 109.284 $\pm$ 0.029 χ^2 /NDF: 370711.7/18

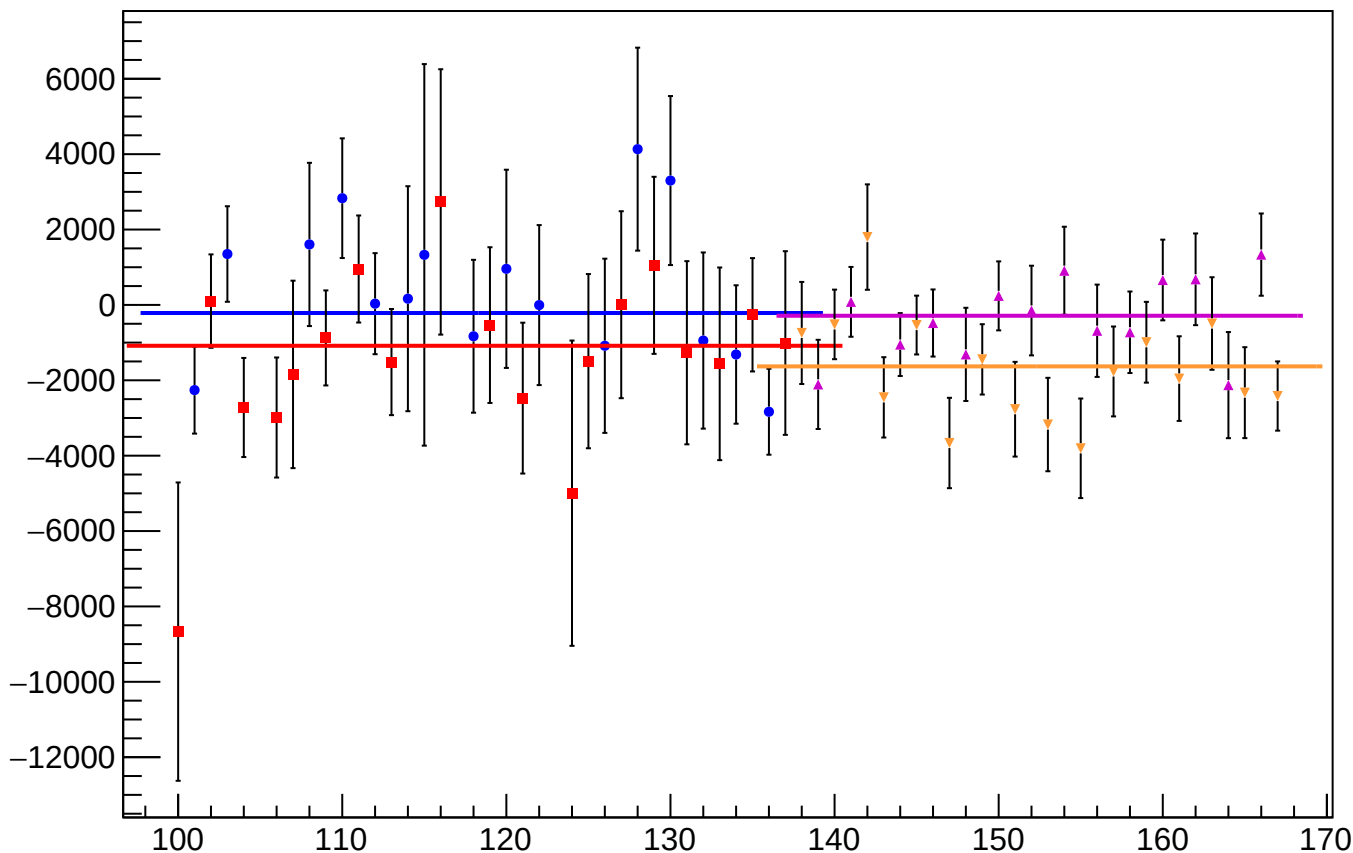
Left In: 122.541 $\pm$ 0.026 χ^2 /NDF:313334.4/13

+ sign 117.736 $\pm$ 0.019 χ^2 /NDF: 709940.8/31

All: 117.199 $\pm$ 0.013 χ^2 /NDF: 1513578.0/64

- sign 116.645 $\pm$ 0.019 χ^2 /NDF: 801995.8/32

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278 $\pm$ 443.965 χ^2/NDF : 20.4/15

Left Out: -1630.885 $\pm$ 273.610 χ^2/NDF : 20.8/15

Right Out: -1083.943 $\pm$ 423.774 χ^2/NDF : 13.9/18

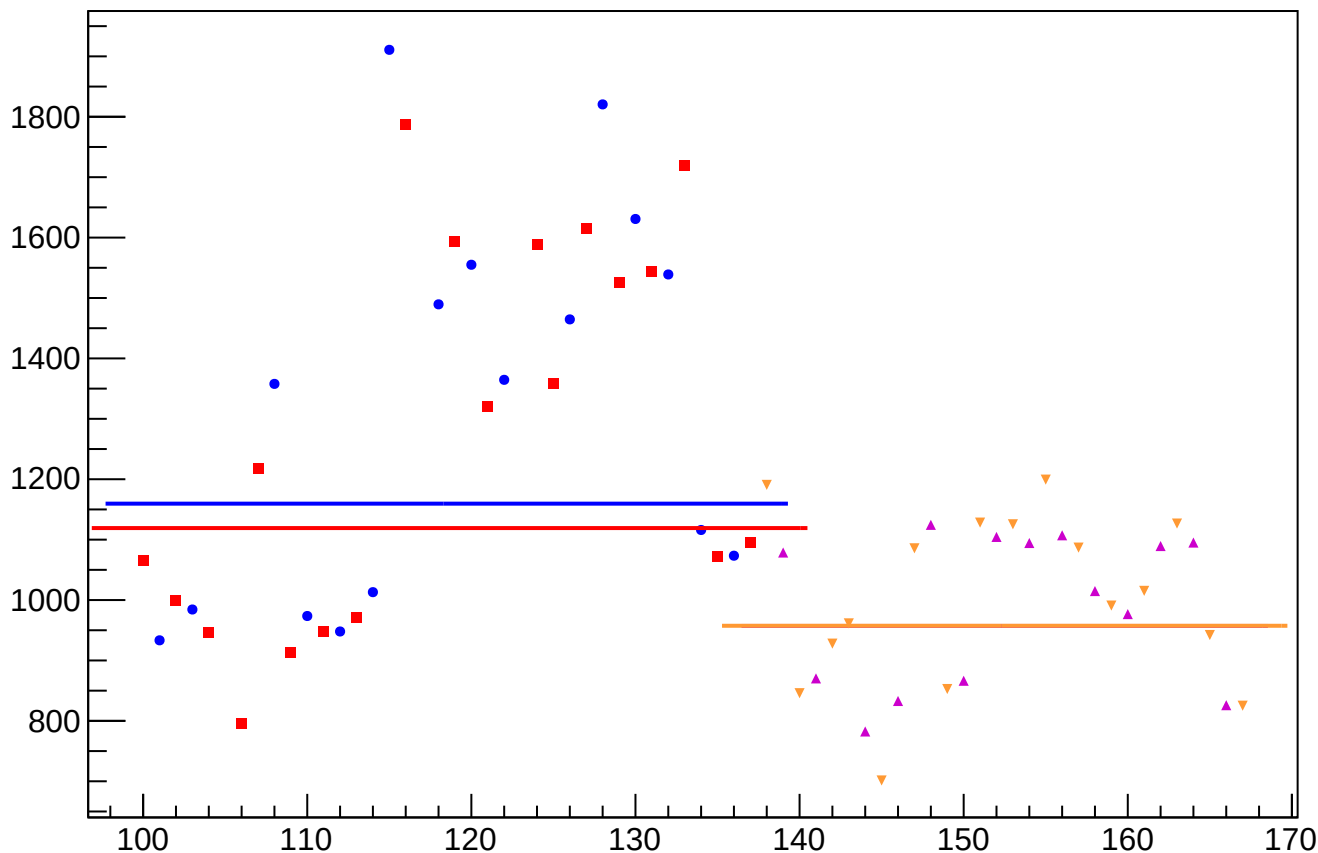
Left In: -287.564 $\pm$ 285.370 χ^2/NDF : 11.1/13

+ sign -1240.946 $\pm$ 232.928 χ^2/NDF : 48.7/31

All: -894.153 $\pm$ 166.024 χ^2/NDF : 80.6/64

- sign -536.027 $\pm$ 236.704 χ^2/NDF : 27.4/32

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576 $\pm$ 0.314 χ^2 /NDF: 683662.2/15

Left Out: 957.424 $\pm$ 0.193 χ^2 /NDF: 604240.1/15

Right Out: 1119.156 $\pm$ 0.300 χ^2 /NDF: 803154.6/18

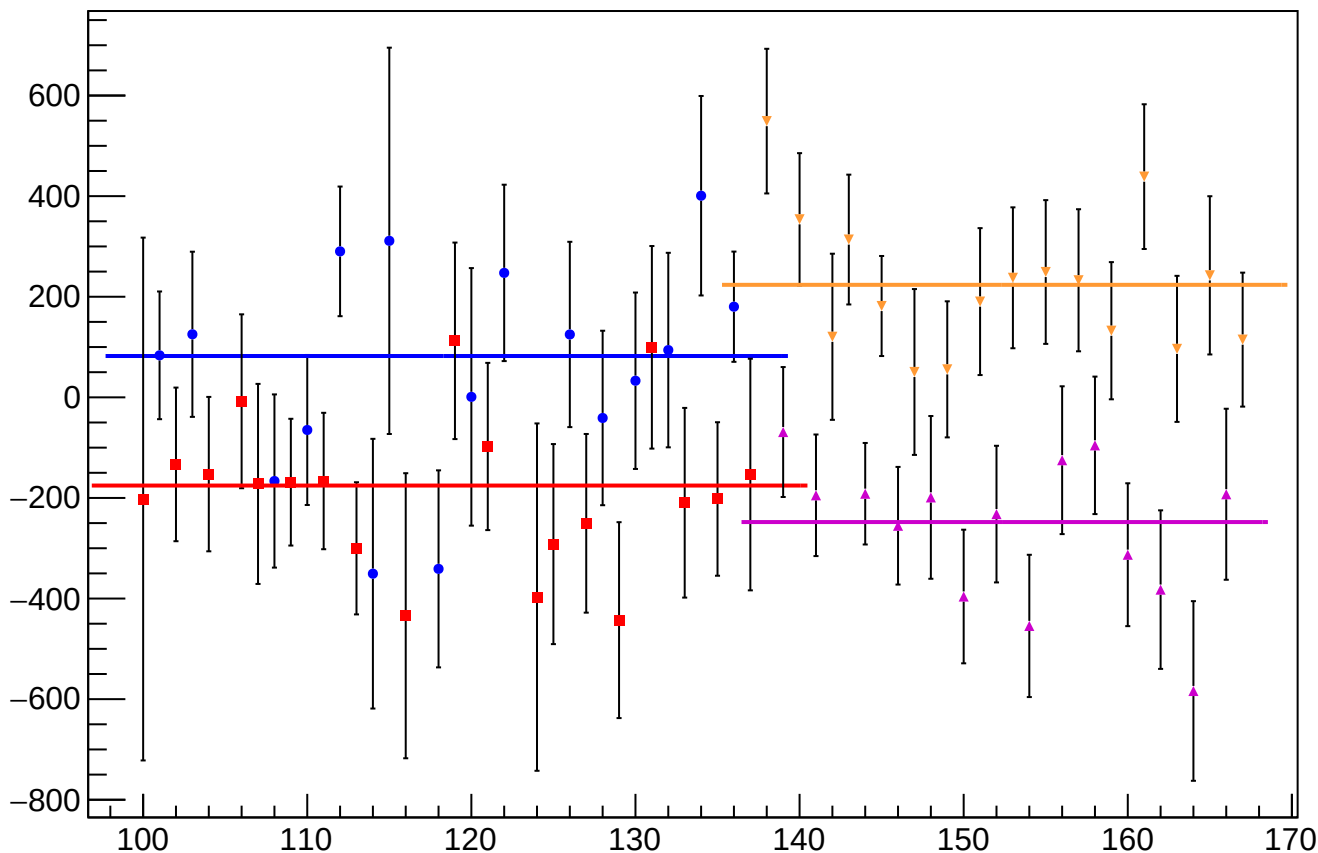
Left In: 957.098 $\pm$ 0.202 χ^2 /NDF: 388037.3/13

+ sign 1013.069 $\pm$ 0.165 χ^2 /NDF: 1588420.5/31

All: 1010.407 $\pm$ 0.117 χ^2 /NDF: 2981373.0/64

- sign 1007.659 $\pm$ 0.167 χ^2 /NDF: 1392421.6/32

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 223.691 ± 34.529 $\chi^2/\text{NDF}: 14.0/15$

Right Out: -175.338 ± 40.678 $\chi^2/\text{NDF}: 9.9/18$

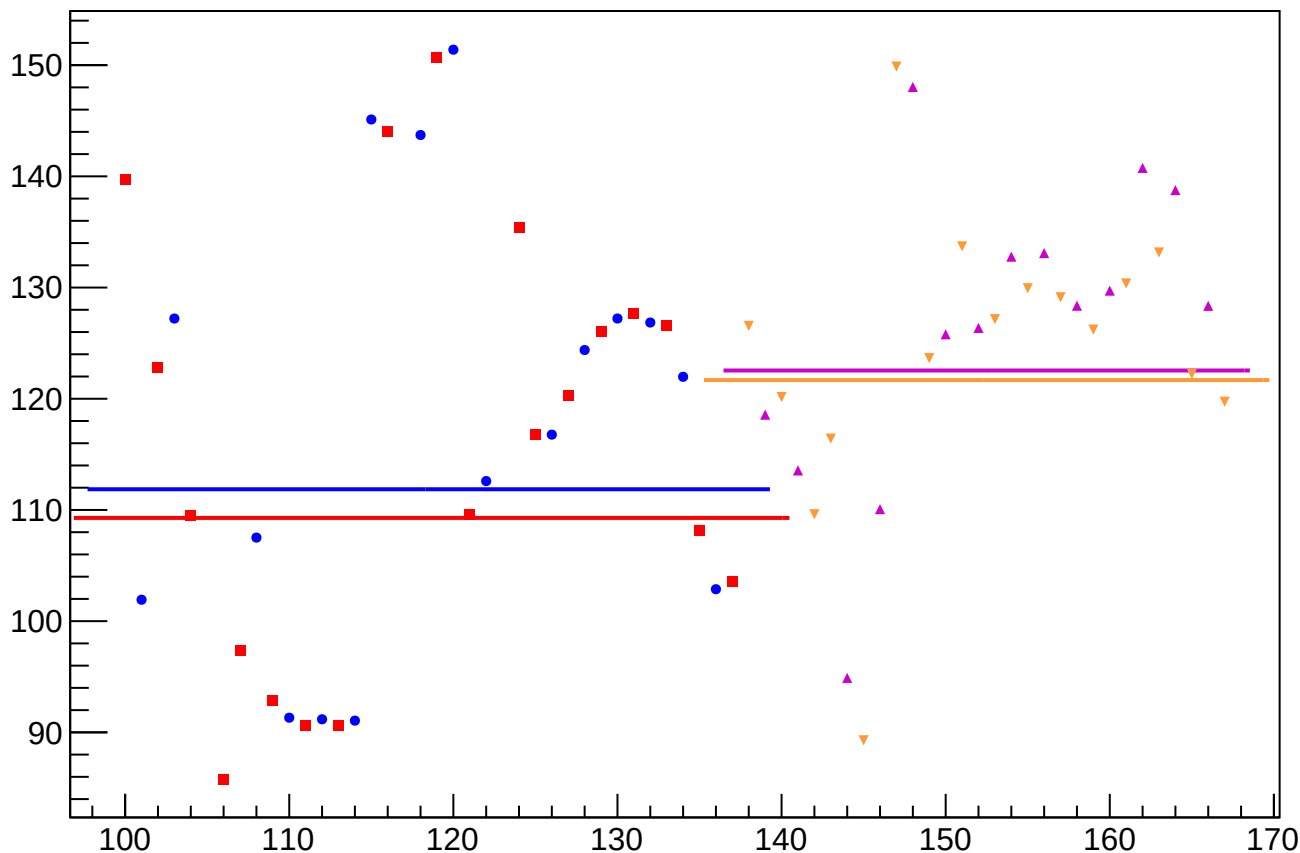
Left In: -247.928 ± 36.407 $\chi^2/\text{NDF}: 12.4/13$

+ sign 166.836 ± 26.706 $\chi^2/\text{NDF}: 39.2/31$

All: -21.407 ± 19.032 $\chi^2/\text{NDF}: 164.2/64$

- sign -215.644 ± 27.128 $\chi^2/\text{NDF}: 24.1/32$

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 ± 0.030 χ^2/NDF : 306025.0/15

Left Out: 121.681 ± 0.024 χ^2/NDF : 338941.7/15

Right Out: 109.284 ± 0.029 χ^2/NDF : 370711.7/18

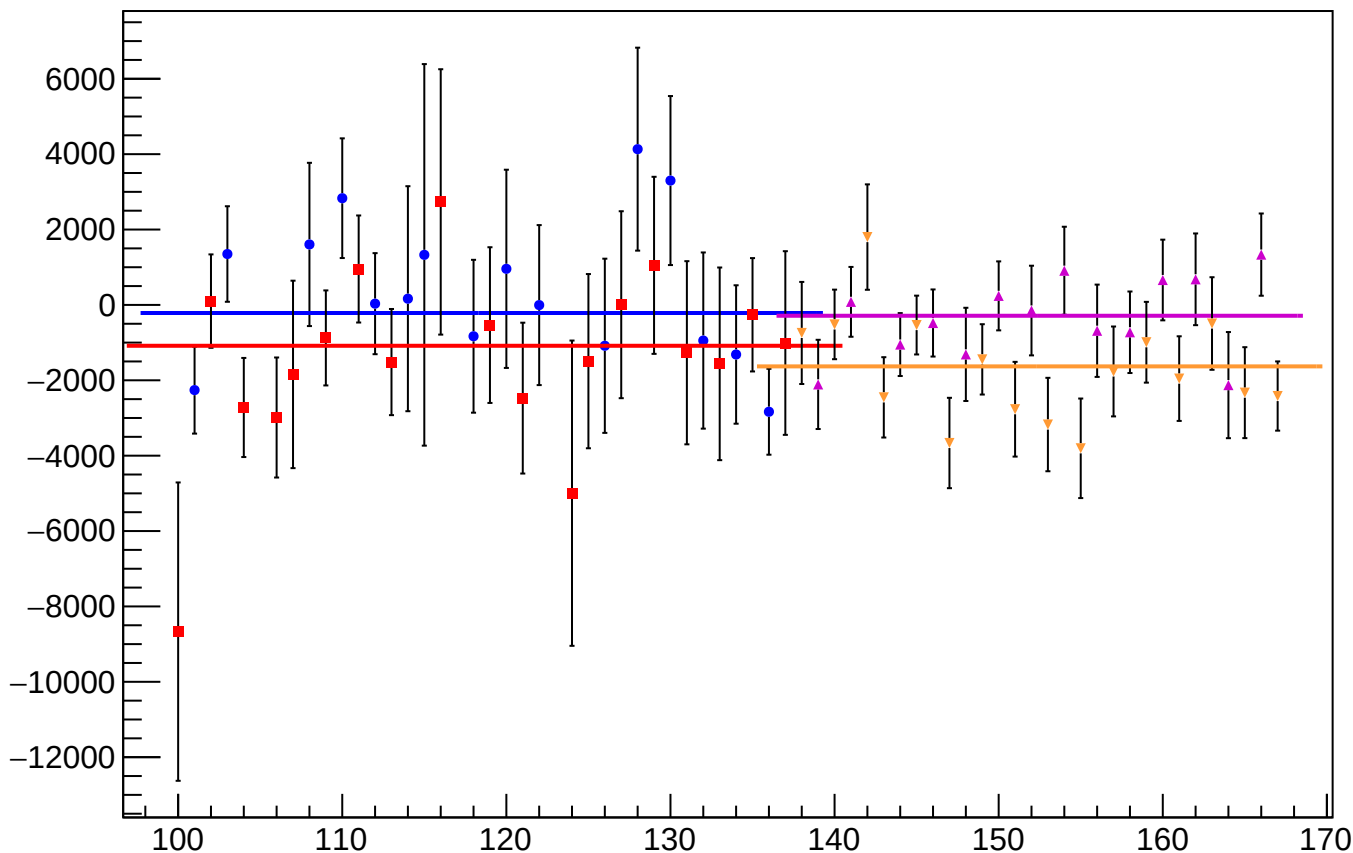
Left In: 122.541 ± 0.026 χ^2/NDF : 313334.4/13

+ sign 117.736 ± 0.019 χ^2/NDF : 709940.8/31

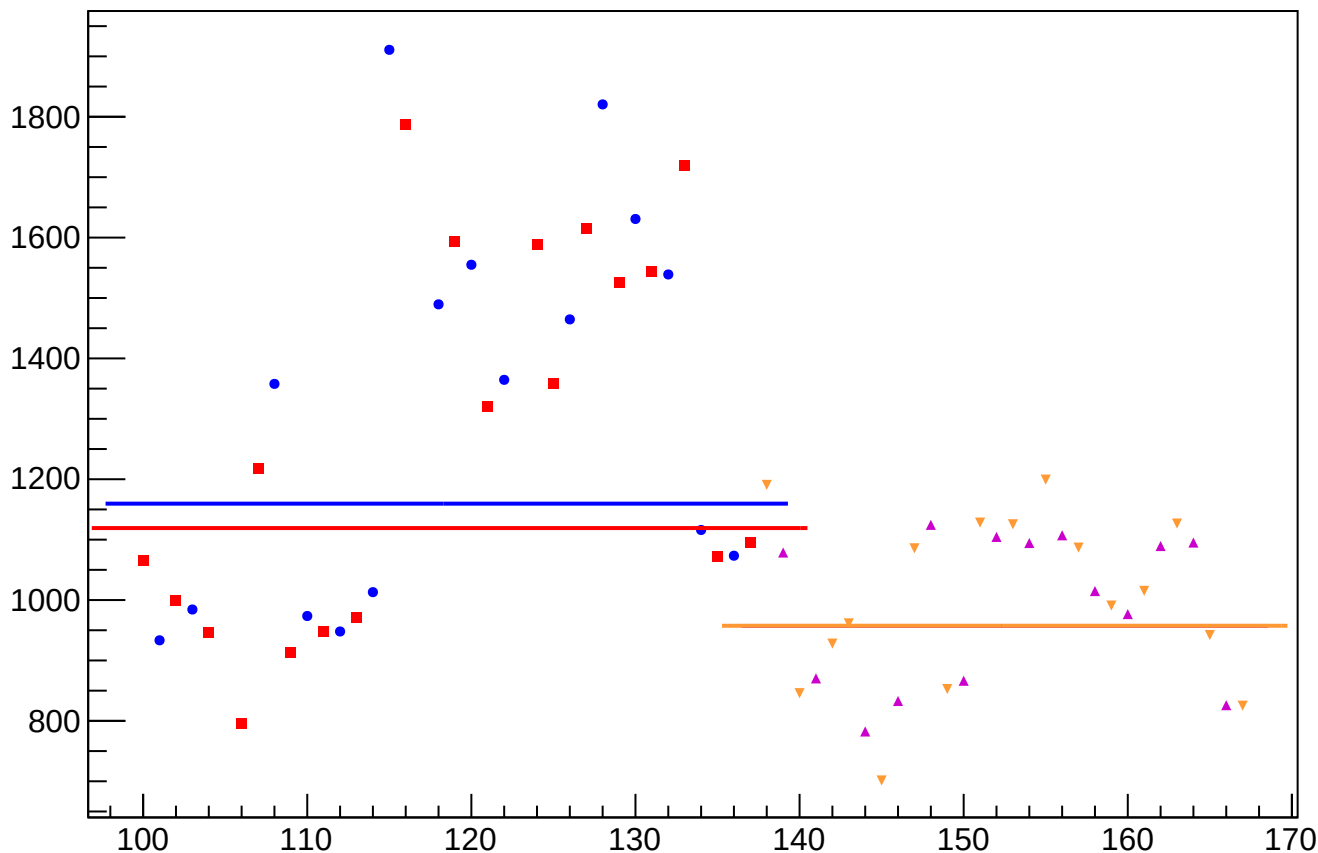
All: 117.199 ± 0.013 χ^2/NDF : 1513578.0/64

- sign 116.645 ± 0.019 χ^2/NDF : 801995.8/32

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



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: 957.424 $\pm$ 0.193 χ^2 /NDF: 604240.1/15

Right Out: 1119.156 $\pm$ 0.300 χ^2 /NDF: 803154.6/18

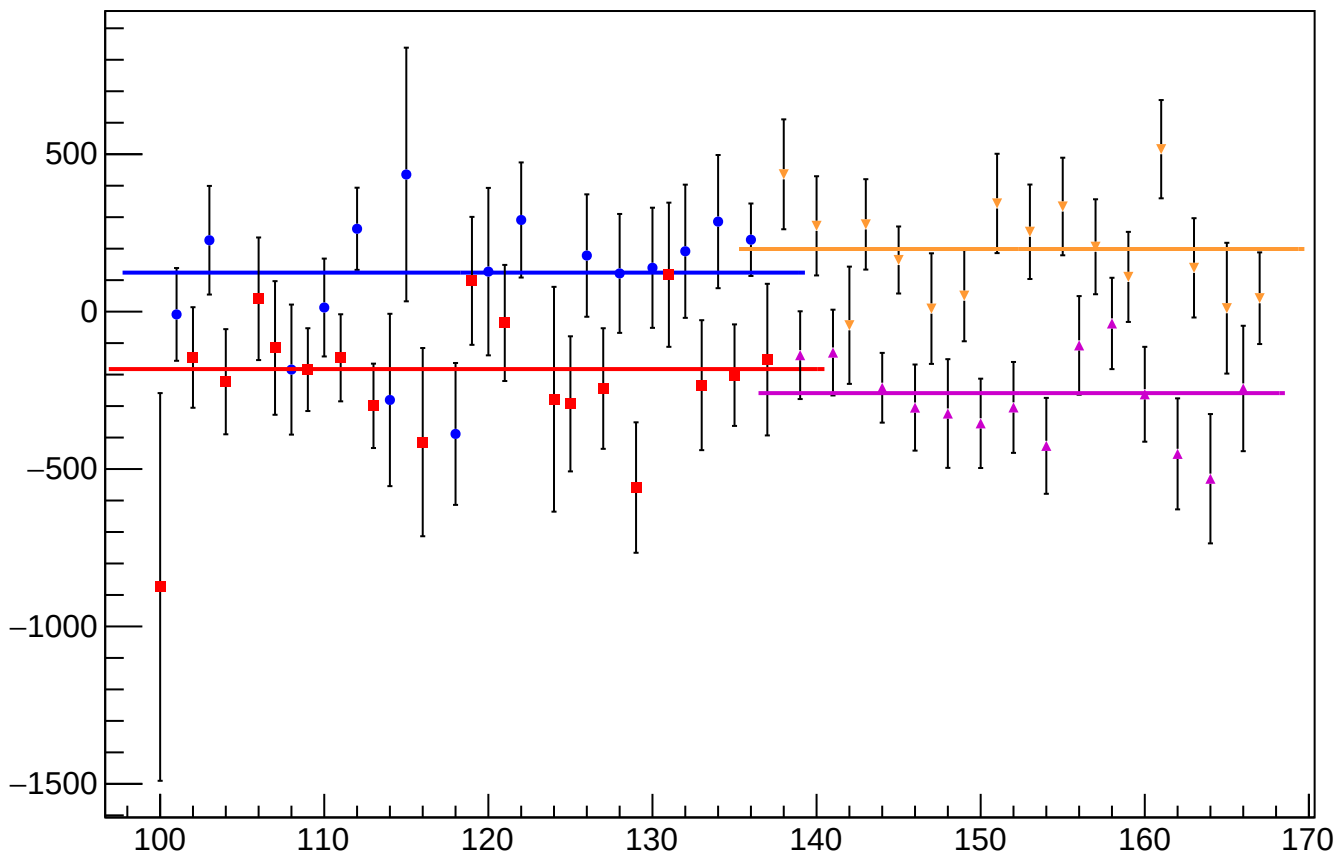
Left In: 957.098 $\pm$ 0.202 χ^2 /NDF: 388037.3/13

+ sign 1013.069 $\pm$ 0.165 χ^2 /NDF: 1588420.5/31

All: 1010.407 $\pm$ 0.117 χ^2 /NDF: 2981373.0/64

- sign 1007.659 $\pm$ 0.167 χ^2 /NDF: 1392421.6/32

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892 $\pm$ 45.238 χ^2/NDF : 15.4/15

Left Out: 198.929 $\pm$ 38.087 χ^2/NDF : 14.7/15

Right Out: -182.467 $\pm$ 43.224 χ^2/NDF : 12.3/18

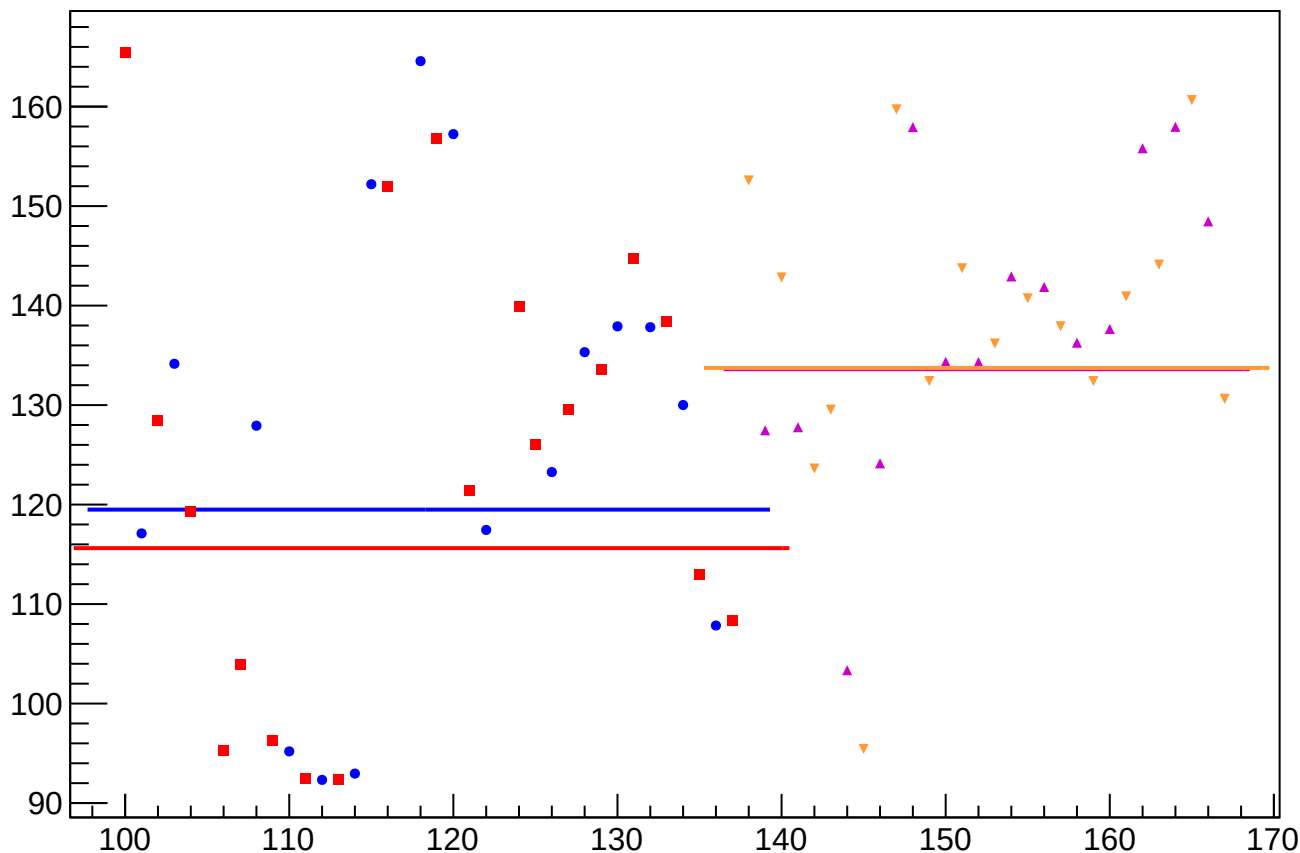
Left In: -258.863 $\pm$ 39.907 χ^2/NDF : 9.9/13

+ sign 167.804 $\pm$ 29.136 χ^2/NDF : 31.8/31

All: -26.711 $\pm$ 20.667 χ^2/NDF : 145.4/64

- sign -223.709 $\pm$ 29.321 χ^2/NDF : 23.9/32

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380250.8/15

Left Out: 133.738 $\pm$ 0.027 χ^2 /NDF: 402004.3/15

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426961.7/18

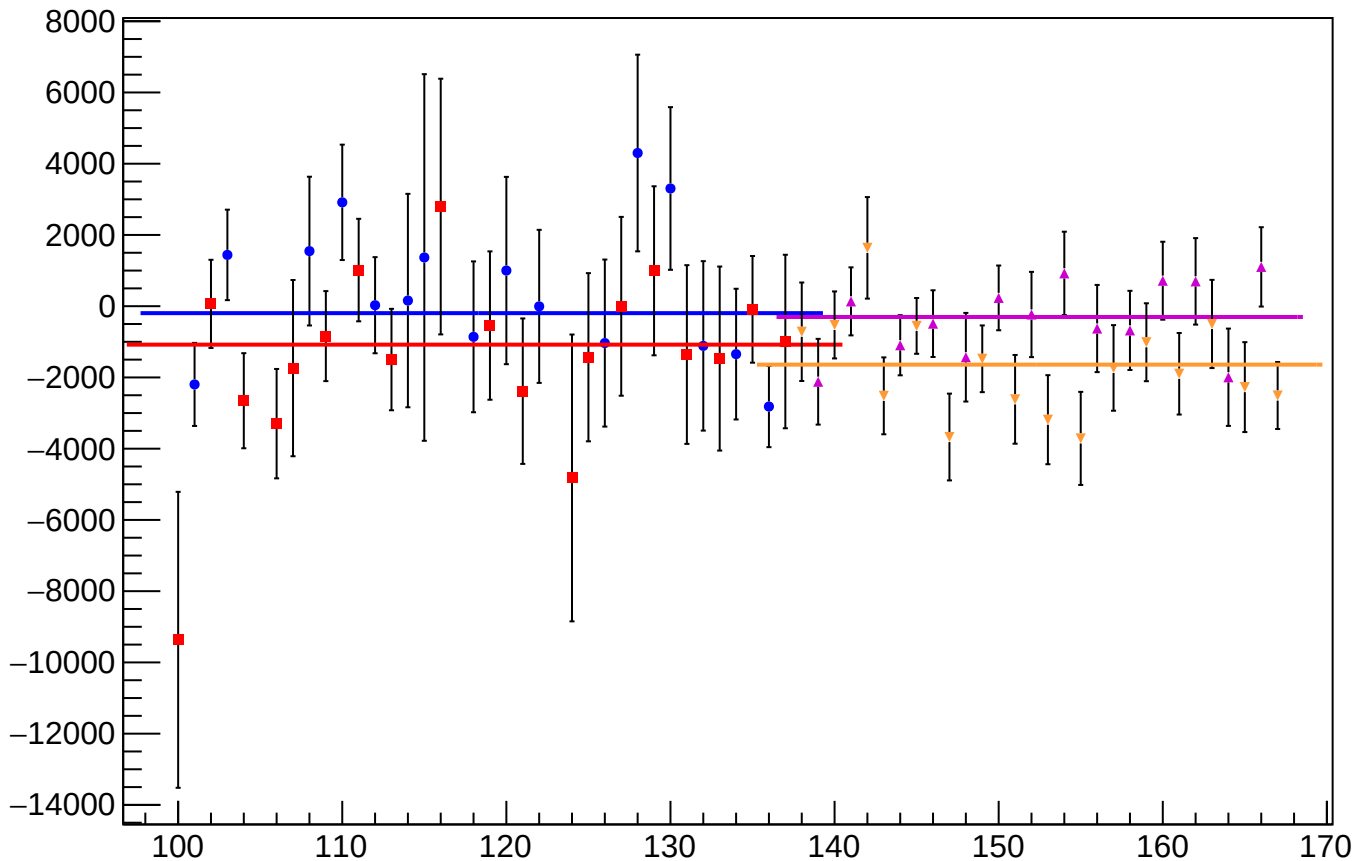
Left In: 133.603 $\pm$ 0.028 χ^2 /NDF: 292224.0/13

+ sign 127.830 $\pm$ 0.021 χ^2 /NDF: 898288.1/31

All: 126.587 $\pm$ 0.015 χ^2 /NDF: 1811639.7/64

- sign 125.329 $\pm$ 0.021 χ^2 /NDF: 906027.8/32

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086 ± 447.334 χ^2/NDF : 20.4/15

Left Out: -1640.659 ± 277.114 χ^2/NDF : 19.5/15

Right Out: -1079.393 ± 425.950 χ^2/NDF : 14.6/18

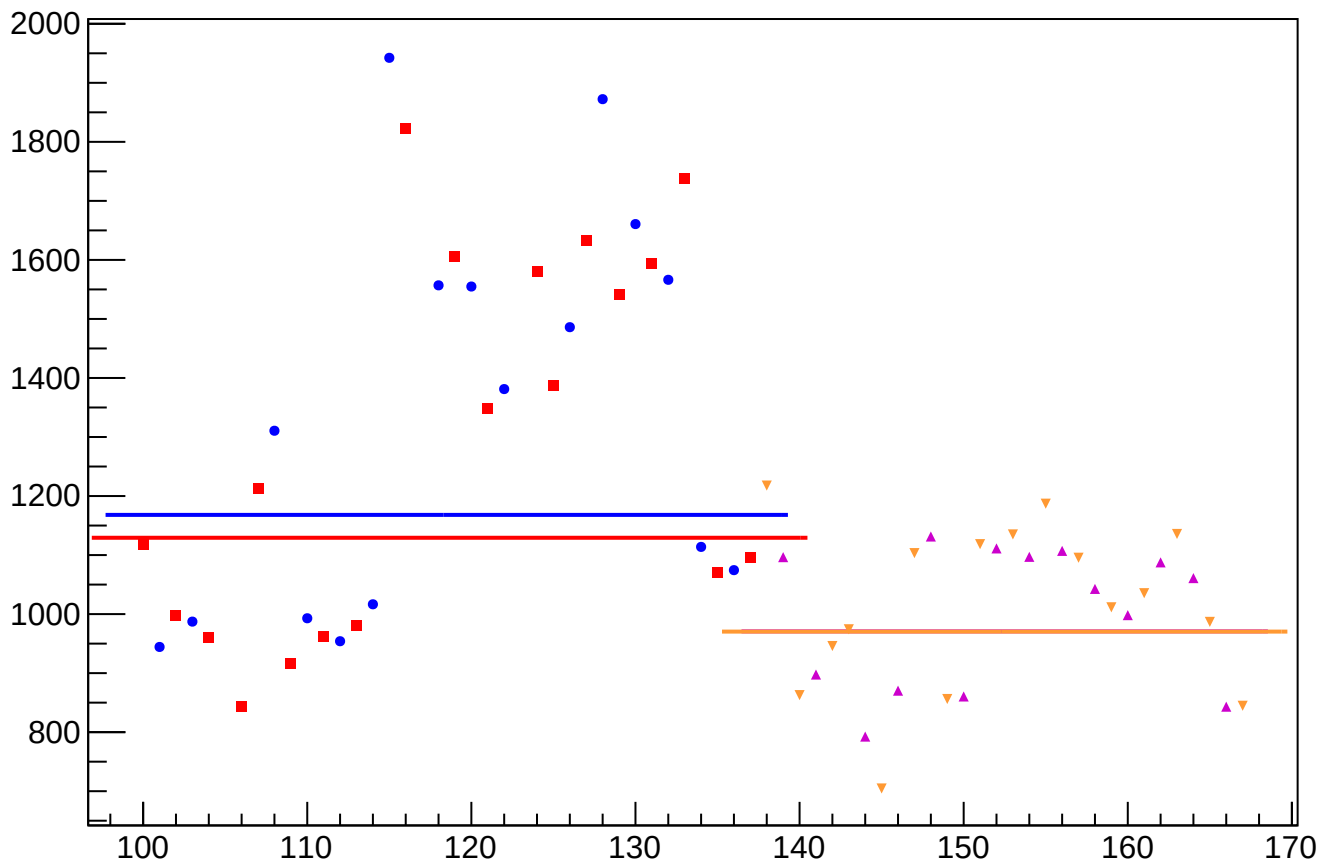
Left In: -303.022 ± 289.263 χ^2/NDF : 10.5/13

+ sign -1239.760 ± 235.575 χ^2/NDF : 47.5/31

All: -899.335 ± 167.878 χ^2/NDF : 79.1/64

- sign -548.060 ± 239.299 χ^2/NDF : 27.4/32

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063 $\pm$ 0.316 χ^2 /NDF: 709363.8/15

Left Out: 970.355 $\pm$ 0.196 χ^2 /NDF: 595374.4/15

Right Out: 1129.316 $\pm$ 0.301 χ^2 /NDF: 807222.5/18

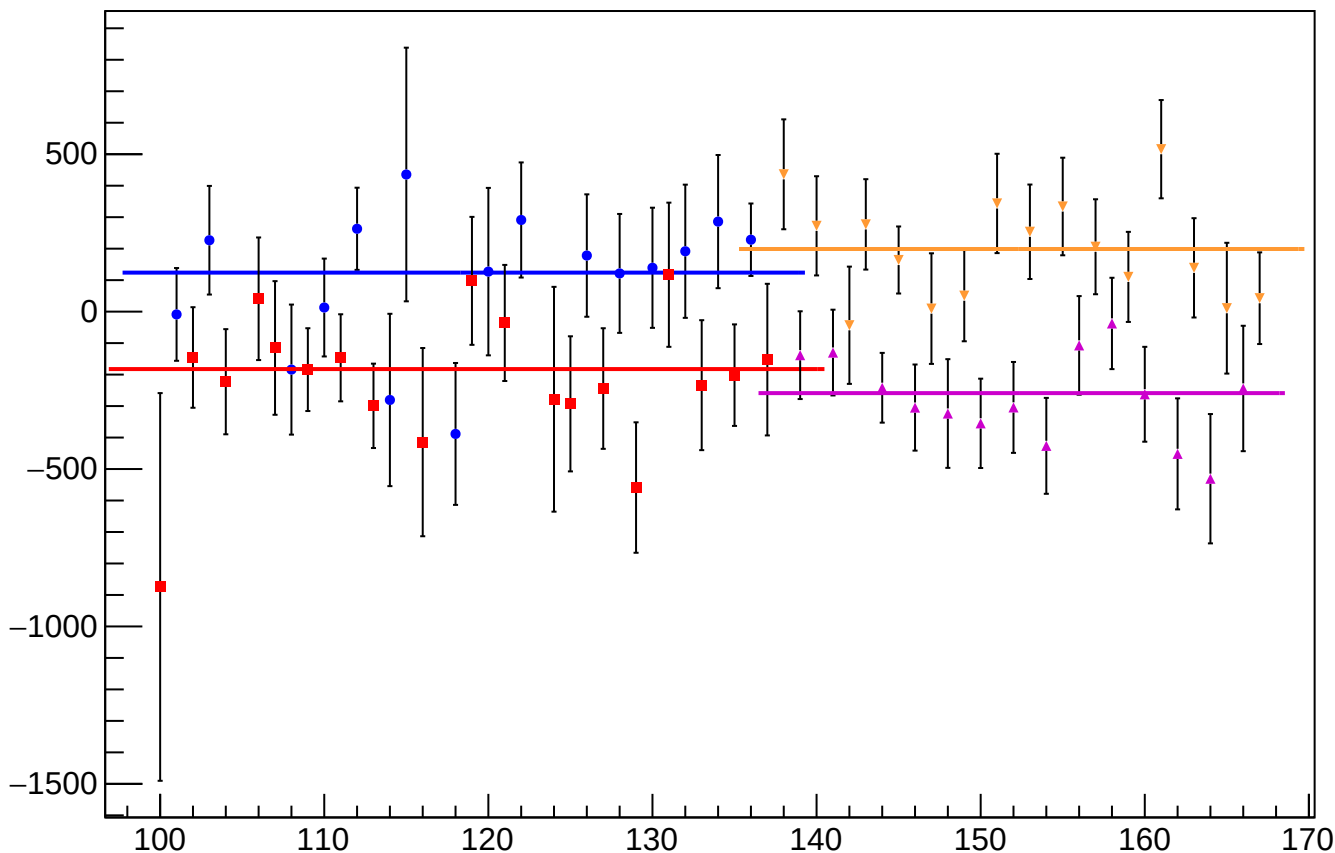
Left In: 970.722 $\pm$ 0.205 χ^2 /NDF: 347403.1/13

+ sign 1025.185 $\pm$ 0.167 χ^2 /NDF: 1587067.1/31

All: 1023.016 $\pm$ 0.119 χ^2 /NDF: 2931790.3/64

- sign 1020.777 $\pm$ 0.169 χ^2 /NDF: 1344378.6/32

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895 $\pm$ 45.238 χ^2/NDF : 15.4/15

Left Out: 198.932 $\pm$ 38.087 χ^2/NDF : 14.7/15

Right Out: -182.468 $\pm$ 43.224 χ^2/NDF : 12.3/18

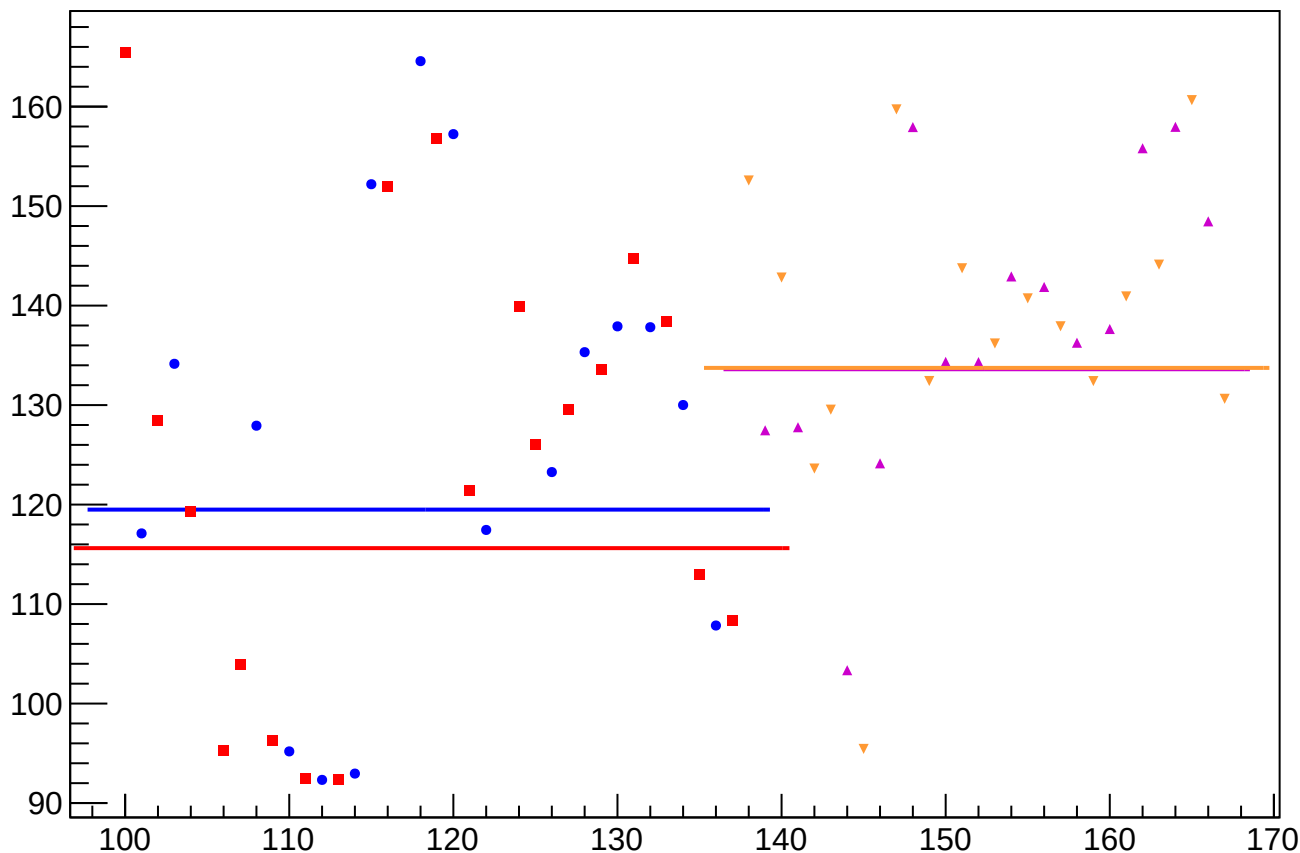
Left In: -258.864 $\pm$ 39.907 χ^2/NDF : 9.9/13

+ sign 167.806 $\pm$ 29.136 χ^2/NDF : 31.8/31

All: -26.710 $\pm$ 20.667 χ^2/NDF : 145.4/64

- sign -223.710 $\pm$ 29.321 χ^2/NDF : 23.9/32

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380254.2/15

Left Out: 133.739 $\pm$ 0.027 χ^2 /NDF: 402004.8/15

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426966.4/18

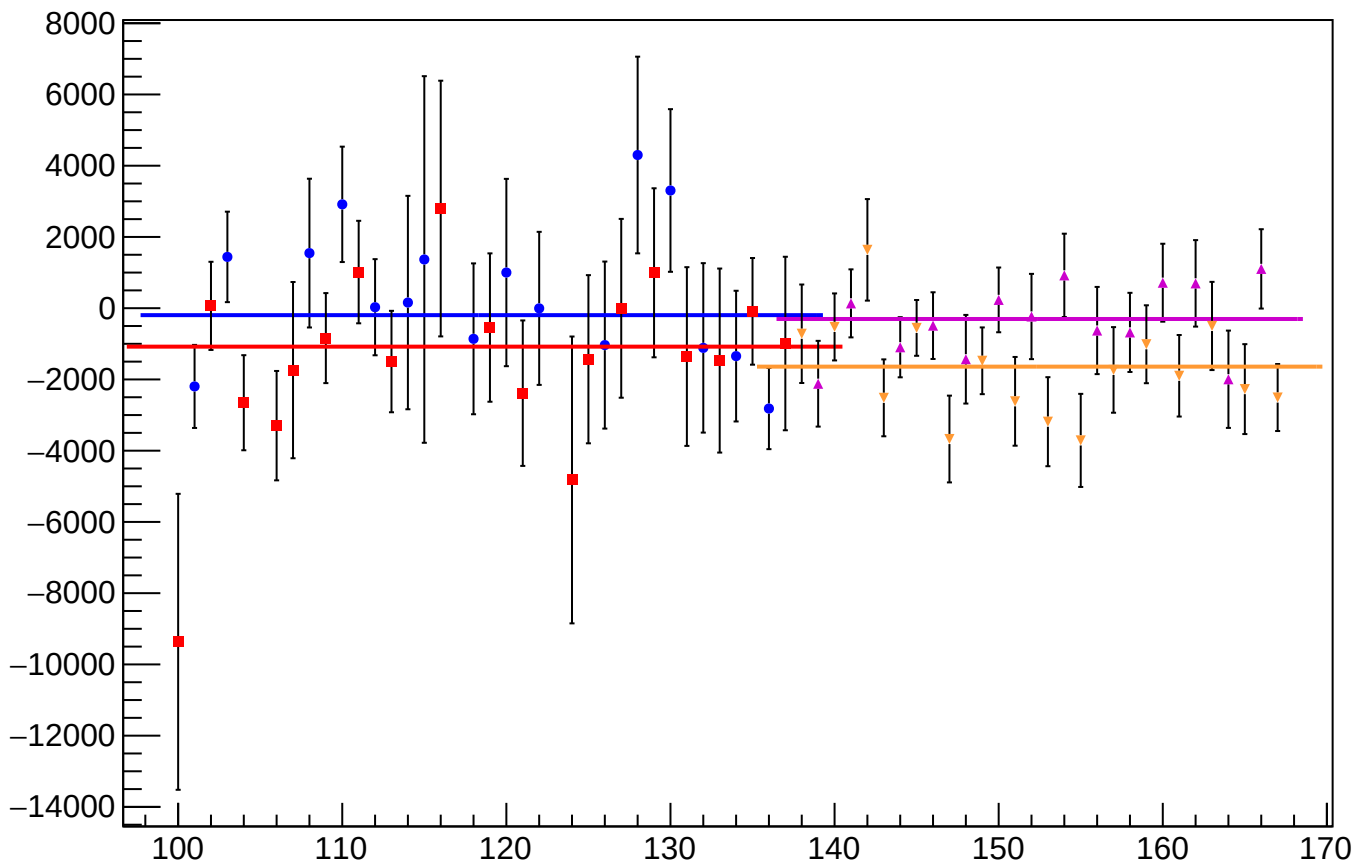
Left In: 133.603 $\pm$ 0.028 χ^2 /NDF: 292222.8/13

+ sign 127.830 $\pm$ 0.021 χ^2 /NDF: 898292.8/31

All: 126.587 $\pm$ 0.015 χ^2 /NDF: 1811650.8/64

- sign 125.329 $\pm$ 0.021 χ^2 /NDF: 906034.1/32

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -195.085 $\pm$ 447.334 χ^2 /NDF: 20.4/15

Left Out: -1640.655 $\pm$ 277.114 χ^2 /NDF:19.5/15

Right Out: -1079.393 $\pm$ 425.950 χ^2 /NDF: 14.6/18

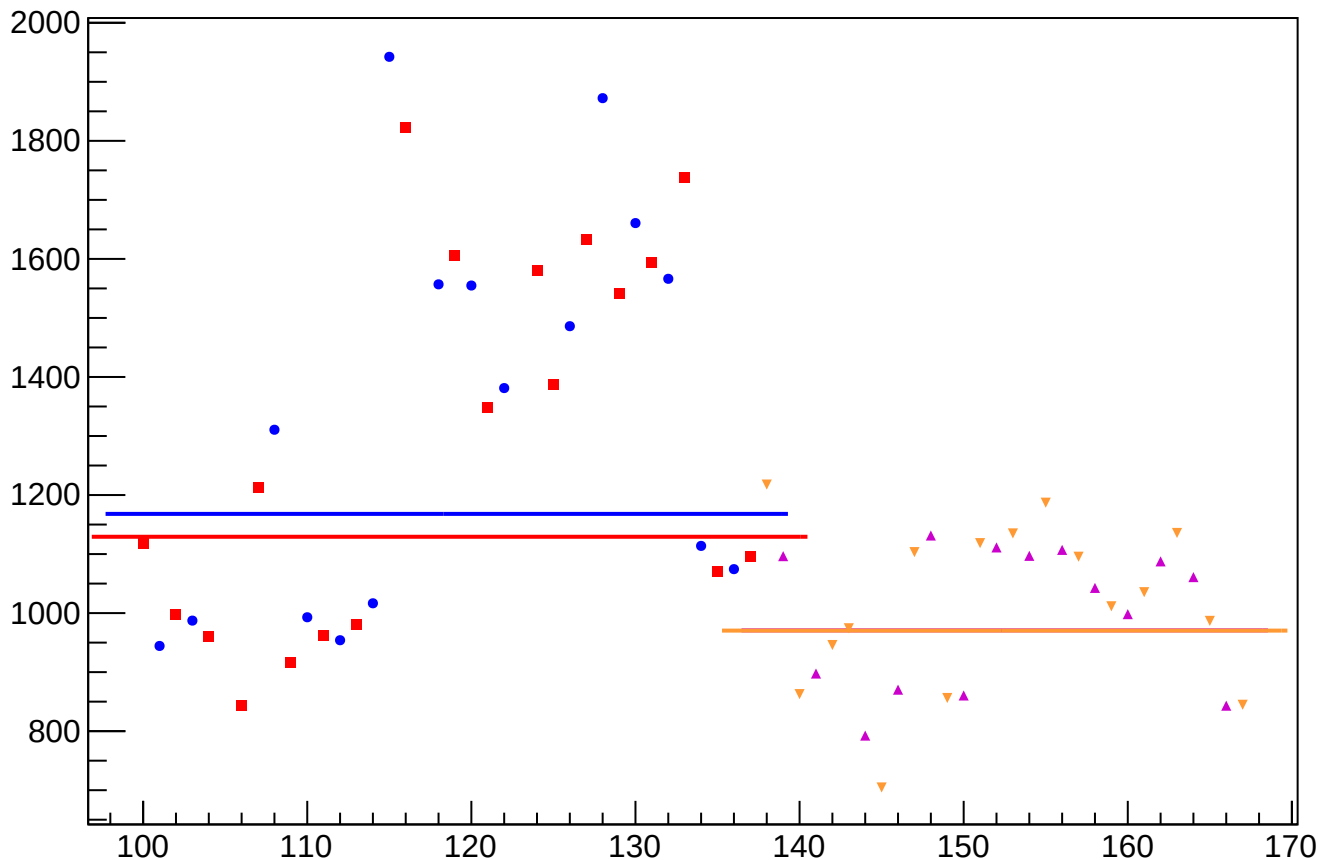
Left In: -303.021 $\pm$ 289.263 χ^2 /NDF:10.5/13

+ sign -1239.758 $\pm$ 235.575 χ^2 /NDF: 47.5/31

All: -899.333 $\pm$ 167.878 χ^2 /NDF: 79.1/64

- sign -548.060 $\pm$ 239.299 χ^2 /NDF: 27.4/32

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063 $\pm$ 0.316 χ^2/NDF : 709365.6/15

Left Out: 970.354 $\pm$ 0.196 χ^2/NDF : 595379.8/15

Right Out: 1129.316 $\pm$ 0.301 χ^2/NDF : 807224.0/18

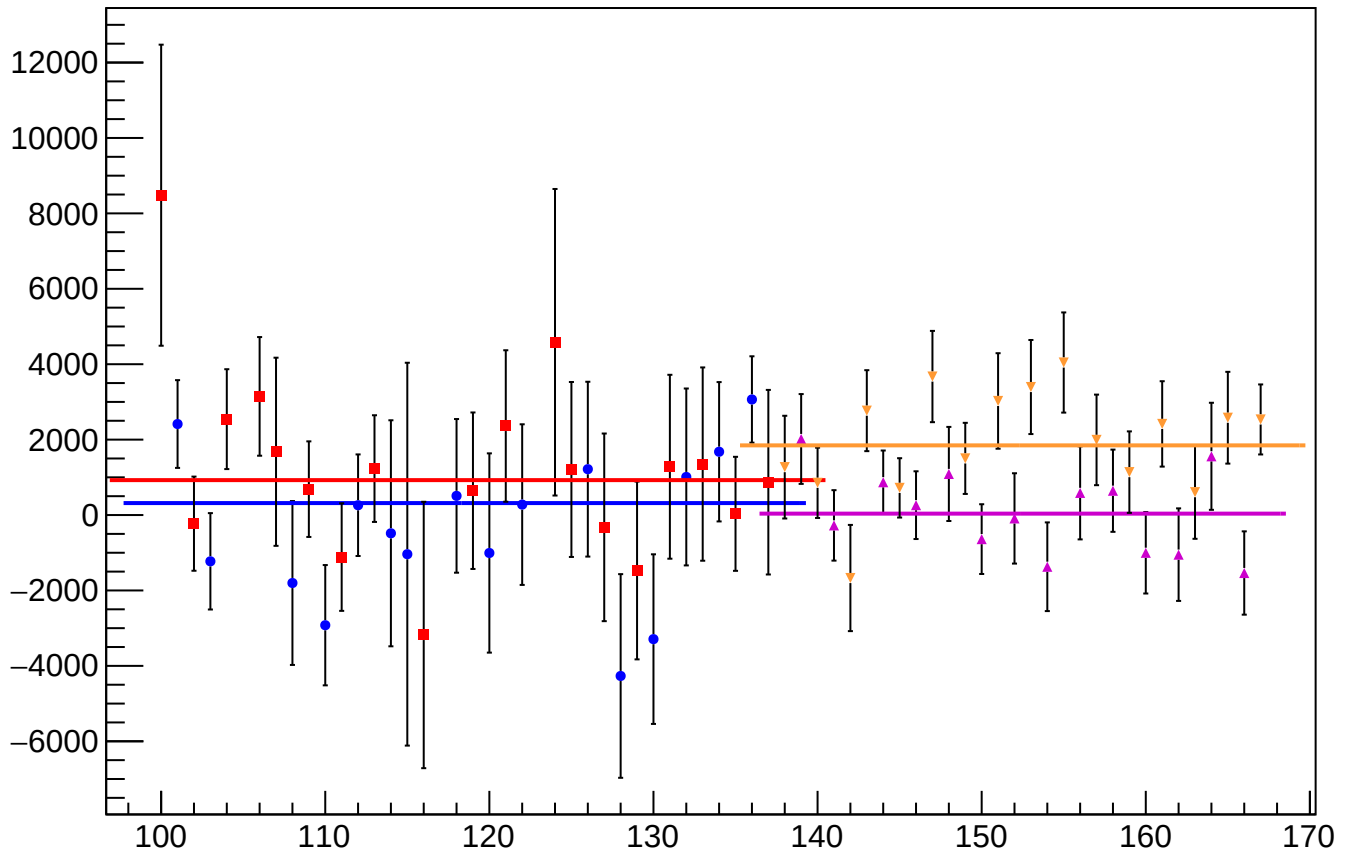
Left In: 970.721 $\pm$ 0.205 χ^2/NDF : 347402.6/13

+ sign 1025.184 $\pm$ 0.167 χ^2/NDF : 1587077.0/31

All: 1023.015 $\pm$ 0.119 χ^2/NDF : 2931801.5/64

- sign 1020.777 $\pm$ 0.169 χ^2/NDF : 1344380.0/32

asym_sam_48_dd_mean vs Slug



Right In: 317.365 ± 446.341 χ^2/NDF : 22.2/15

Left Out: 1847.682 ± 275.907 χ^2/NDF : 20.5/15

Right Out: 926.036 ± 425.405 χ^2/NDF : 14.5/18

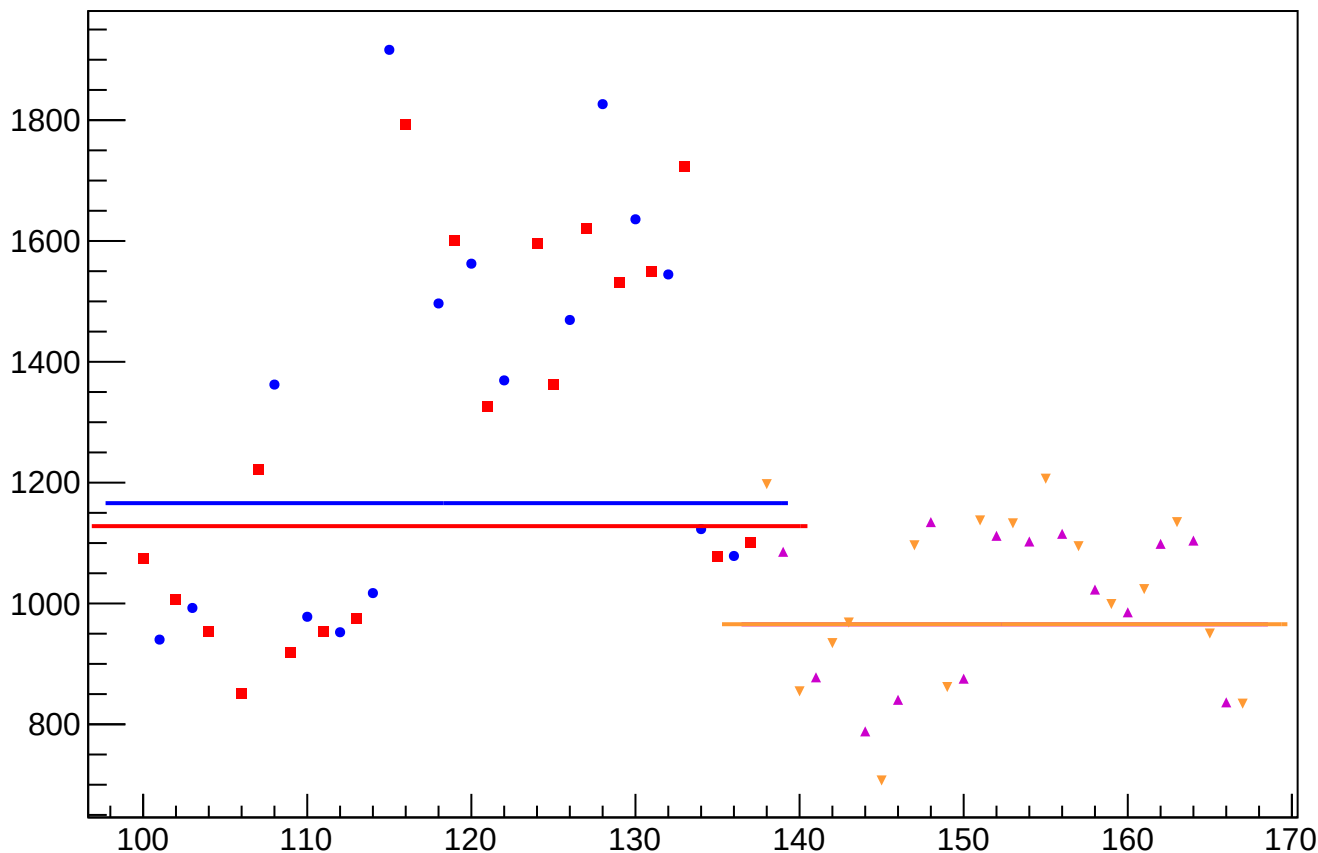
Left In: 37.286 ± 287.806 χ^2/NDF : 12.0/13

+ sign 1424.595 ± 234.688 χ^2/NDF : 51.2/31

All: 879.113 ± 167.238 χ^2/NDF : 91.7/64

- sign 316.348 ± 238.376 χ^2/NDF : 29.5/32

asym_sam_48_dd_rms vs Slug



Right In: 1166.056 $\pm$ 0.316 χ^2 /NDF: 677063.1/15

Left Out: 965.663 $\pm$ 0.195 χ^2 /NDF: 597436.9/15

Right Out: 1128.006 $\pm$ 0.301 χ^2 /NDF: 775766.7/18

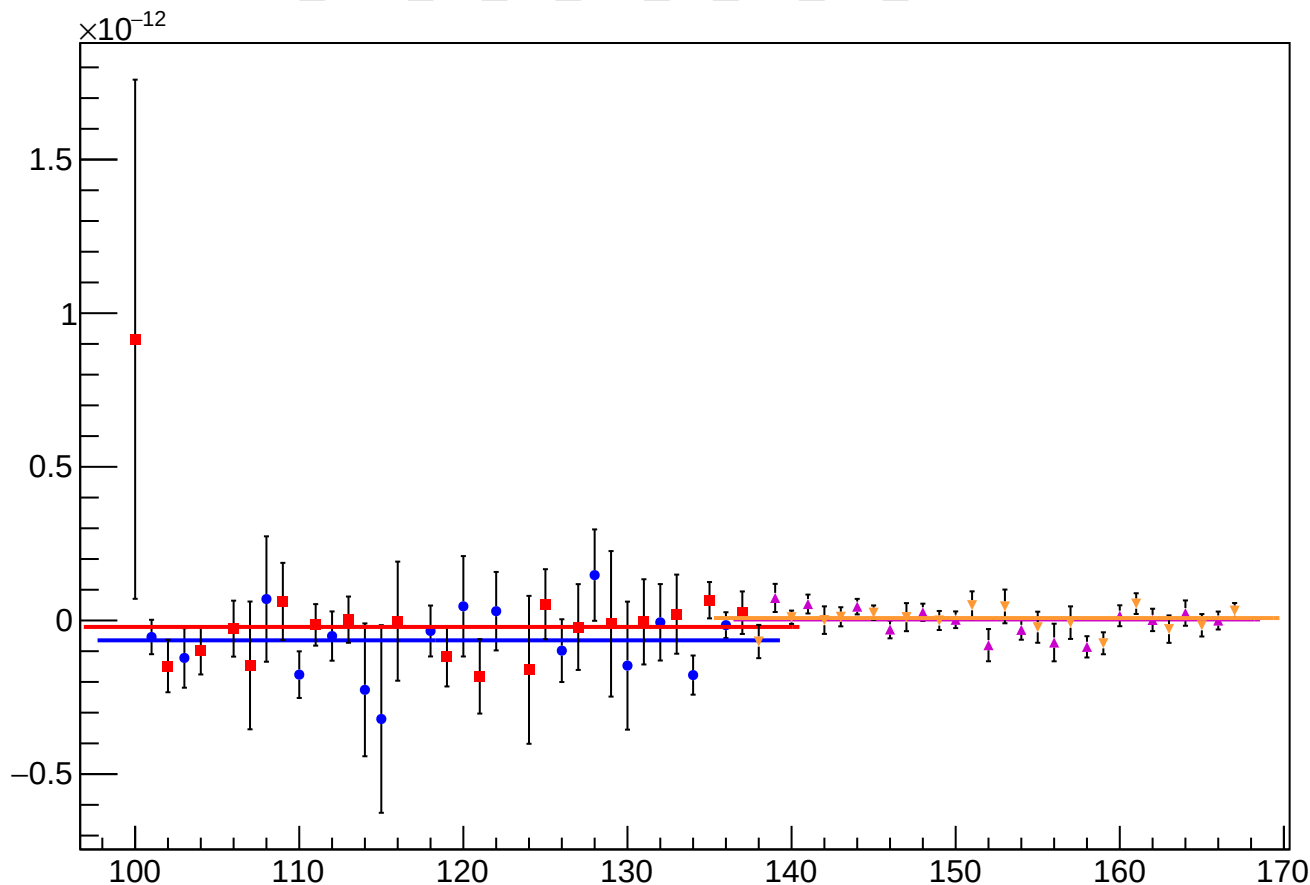
Left In: 965.420 $\pm$ 0.204 χ^2 /NDF: 384013.3/13

+ sign 1021.066 $\pm$ 0.166 χ^2 /NDF: 1566189.3/31

All: 1018.805 $\pm$ 0.118 χ^2 /NDF: 2926756.3/64

- sign 1016.472 $\pm$ 0.169 χ^2 /NDF: 1360189.8/32

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 : 13.6/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.5/18

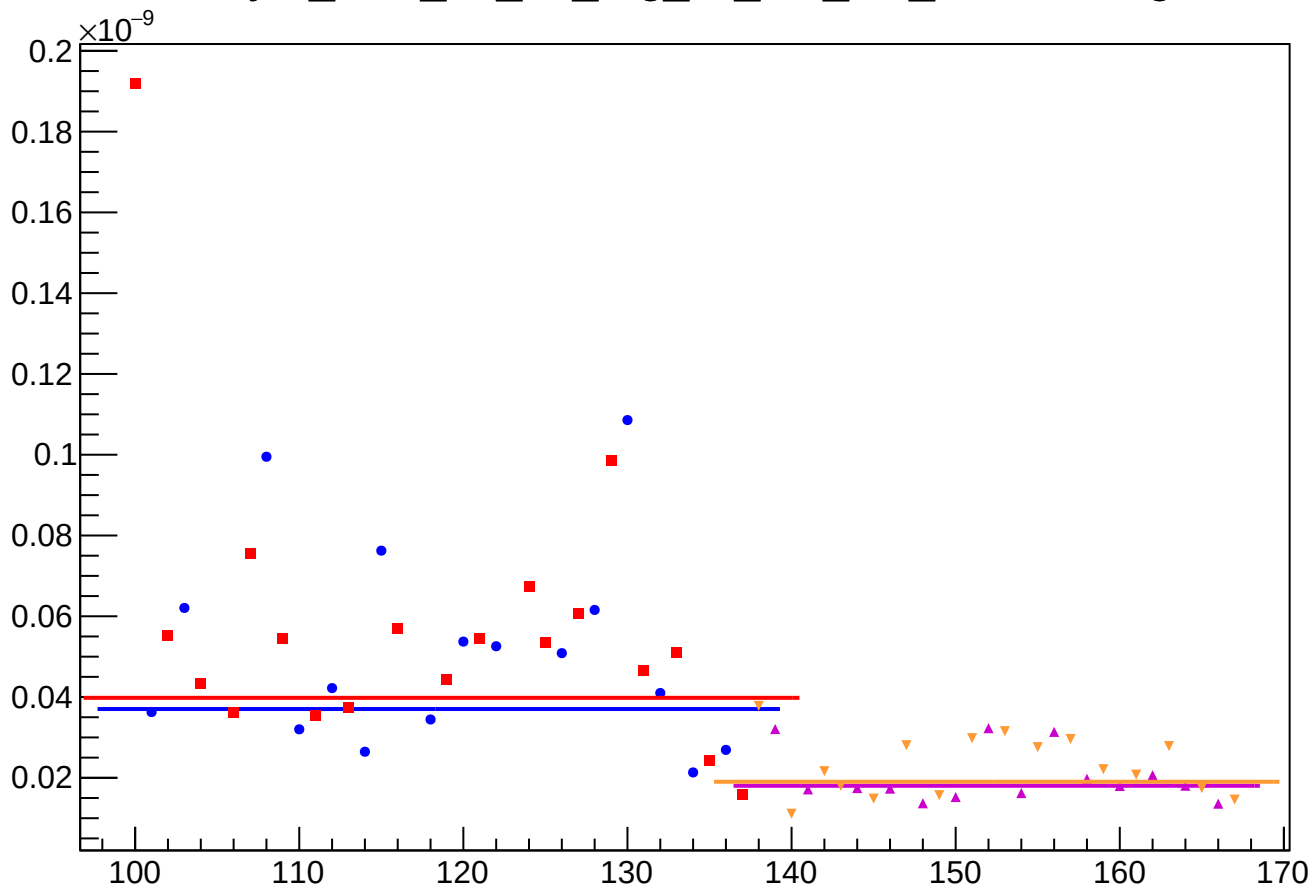
Left In: 0.000 ± 0.000 χ^2/NDF : 21.9/13

+ sign -0.000 ± 0.000 χ^2/NDF : 35.6/31

All: -0.000 ± 0.000 χ^2/NDF : 70.0/64

- sign 0.000 ± 0.000 χ^2/NDF : 34.4/32

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 : 1200221.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 903728.0/18

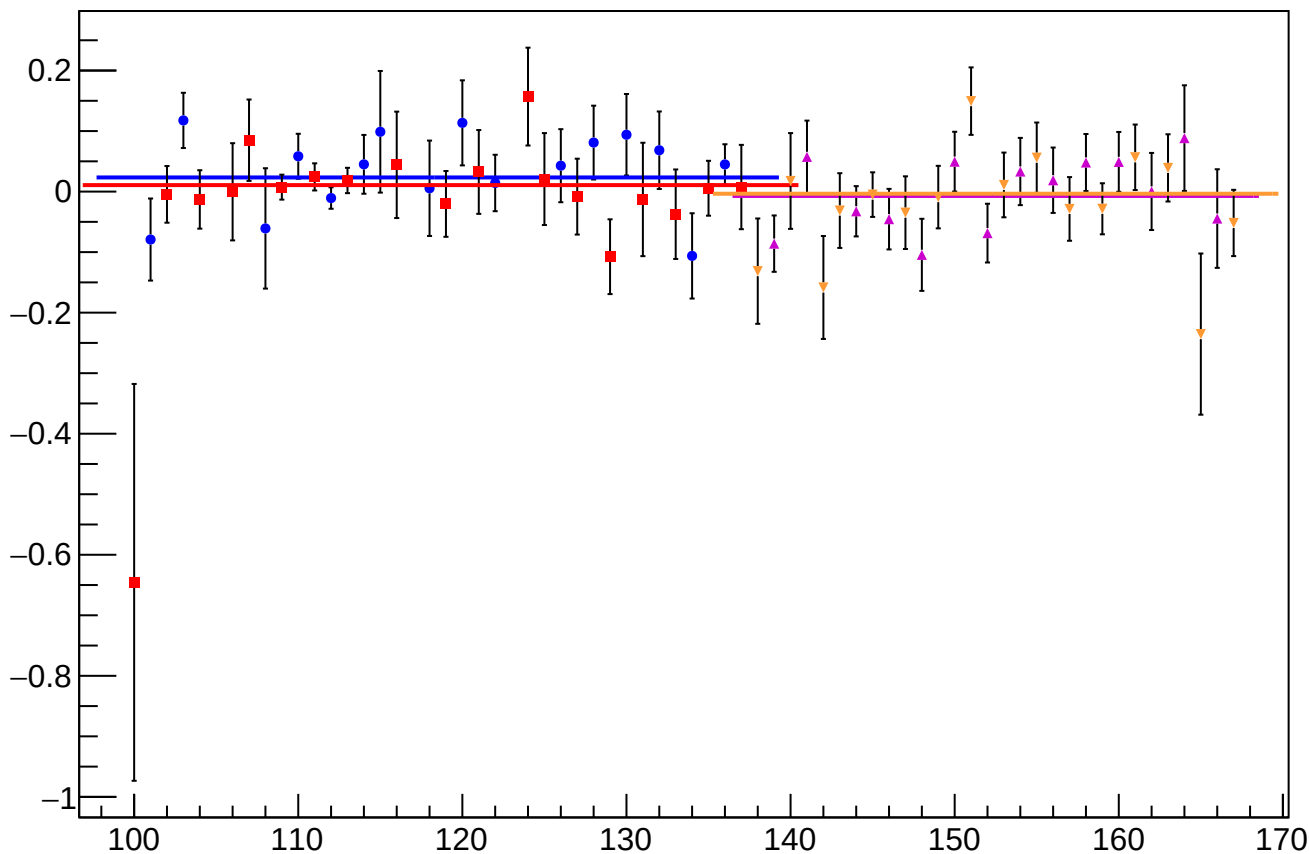
Left In: 0.000+/-0.000 χ^2/NDF : 571779.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 3371837.8/31

All: 0.000+/-0.000 χ^2/NDF : 6402626.3/64

- sign 0.000+/-0.000 χ^2/NDF : 3024426.9/32

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.011 χ^2/NDF : 20.7/15

Left Out: -0.004 ± 0.014 χ^2/NDF : 20.9/15

Right Out: 0.011 ± 0.010 χ^2/NDF : 14.2/18

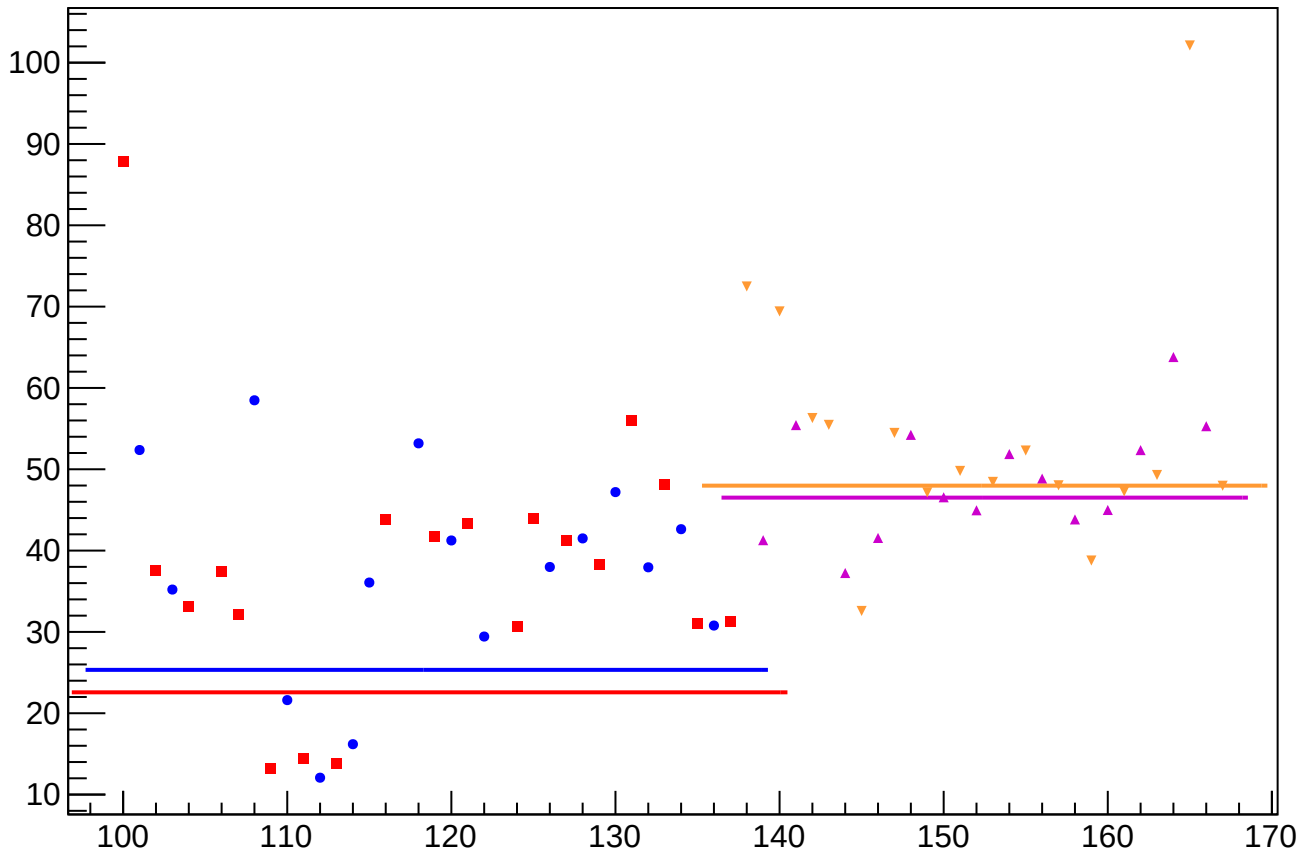
Left In: -0.007 ± 0.014 χ^2/NDF : 15.4/13

+ sign 0.013 ± 0.009 χ^2/NDF : 43.9/31

All: 0.009 ± 0.006 χ^2/NDF : 75.1/64

- sign 0.005 ± 0.008 χ^2/NDF : 30.7/32

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334 $\pm$ 0.008 χ^2 /NDF: 2925132.2/15

Left Out: 47.986 $\pm$ 0.010 χ^2 /NDF: 1168070.4/15

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3139937.1/18

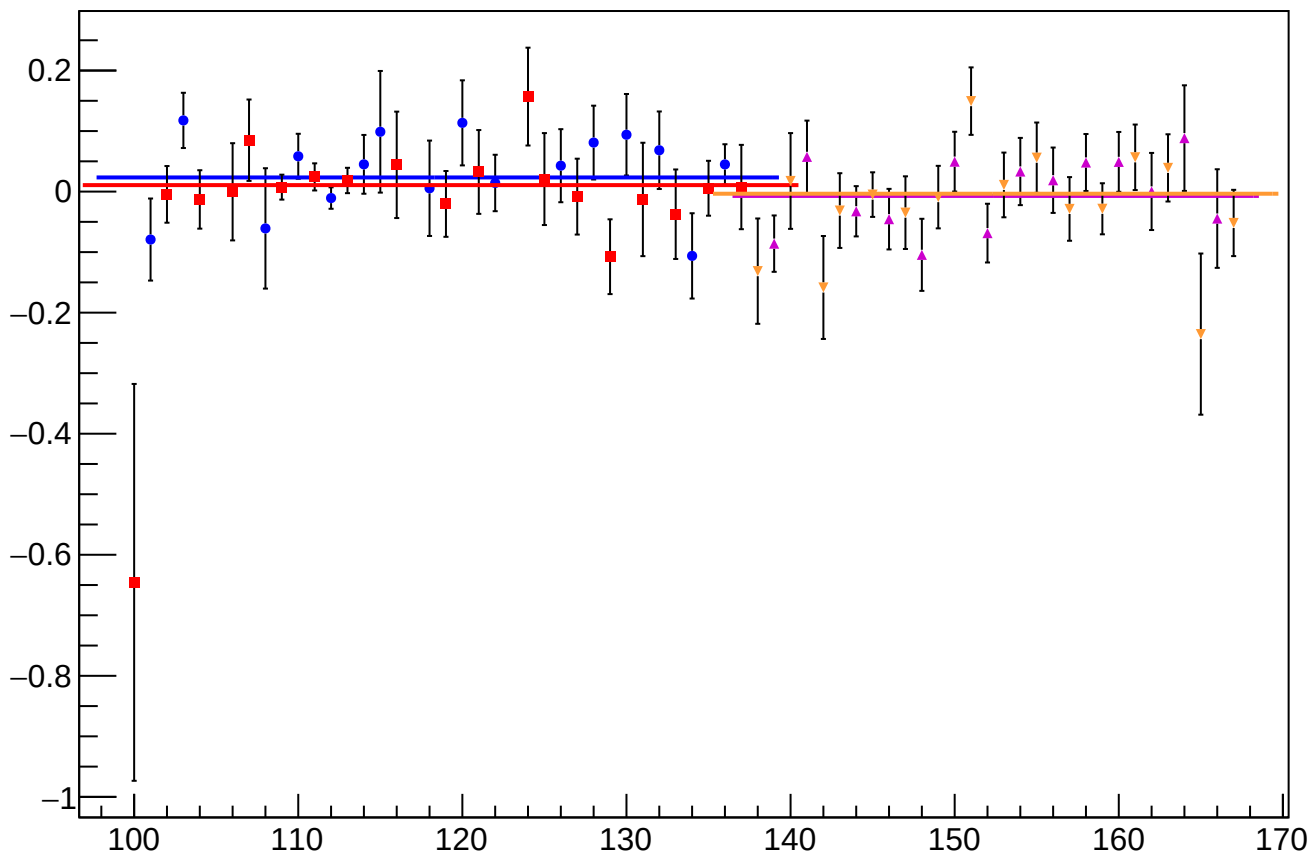
Left In: 46.513 $\pm$ 0.010 χ^2 /NDF: 373923.4/13

+ sign 33.970 $\pm$ 0.006 χ^2 /NDF: 7286787.1/31

All: 31.960 $\pm$ 0.004 χ^2 /NDF: 14814759.9/64

- sign 30.228 $\pm$ 0.006 χ^2 /NDF: 7329532.2/32

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.004 $\pm$ 0.014 χ^2 /NDF: 20.9/15

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

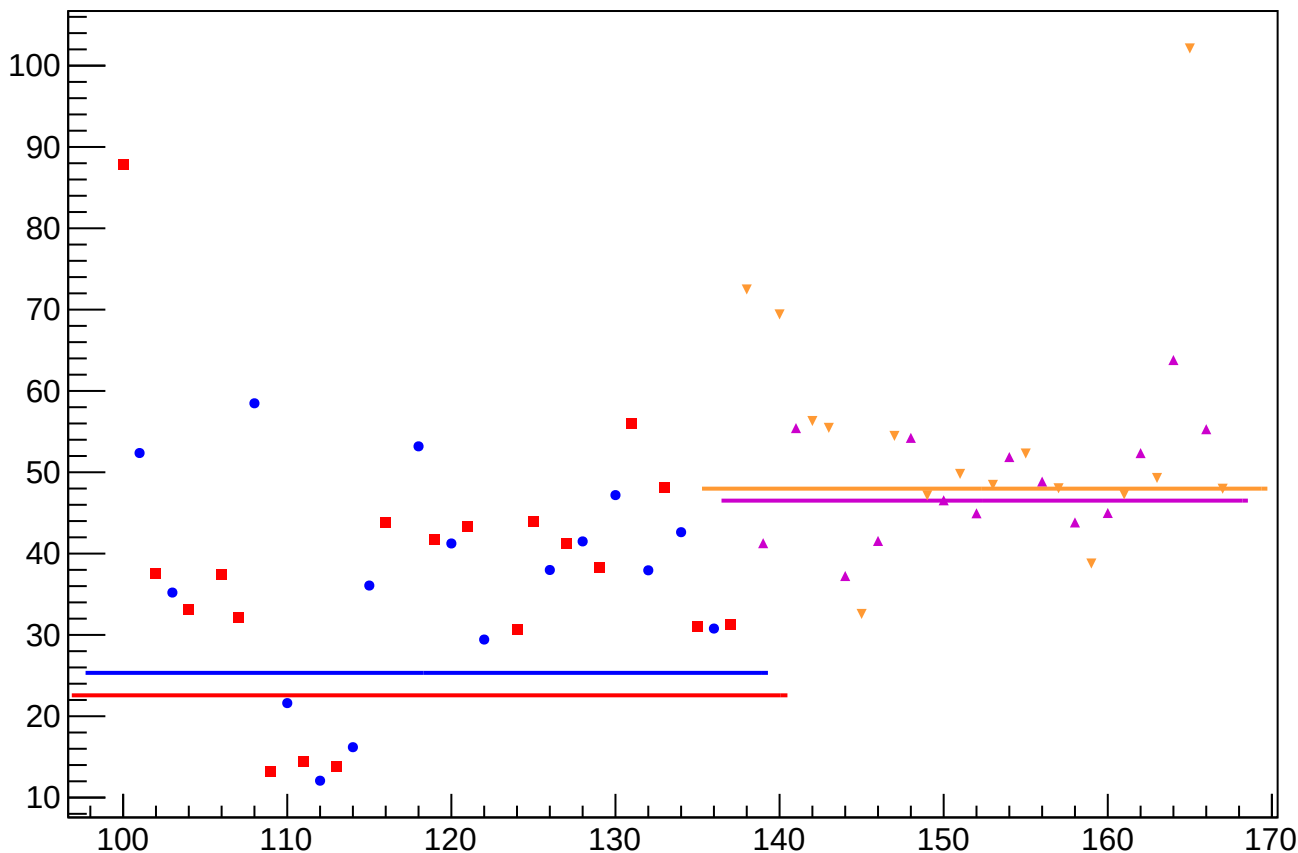
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF: 15.4/13

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 43.9/31

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 75.1/64

- sign 0.005 $\pm$ 0.008 χ^2 /NDF: 30.7/32

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: 47.986 $\pm$ 0.010 χ^2 /NDF: 1168070.4/15

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3139937.1/18

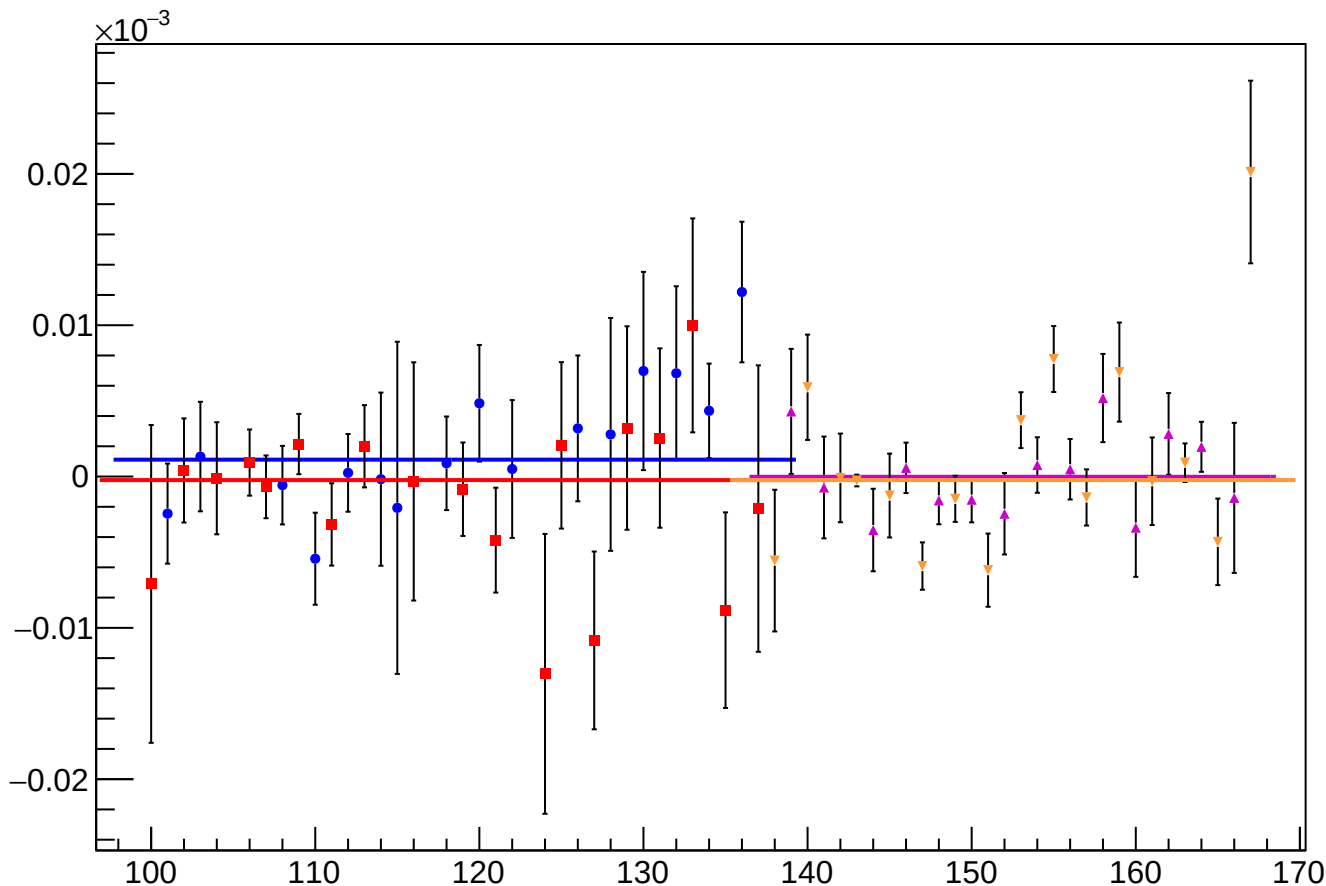
Left In: 46.513 $\pm$ 0.010 χ^2 /NDF: 373923.4/13

+ sign 33.970 $\pm$ 0.006 χ^2 /NDF: 7286787.1/31

All: 31.960 $\pm$ 0.004 χ^2 /NDF: 14814759.9/64

- sign 30.228 $\pm$ 0.006 χ^2 /NDF: 7329532.2/32

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: 61.9/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/18

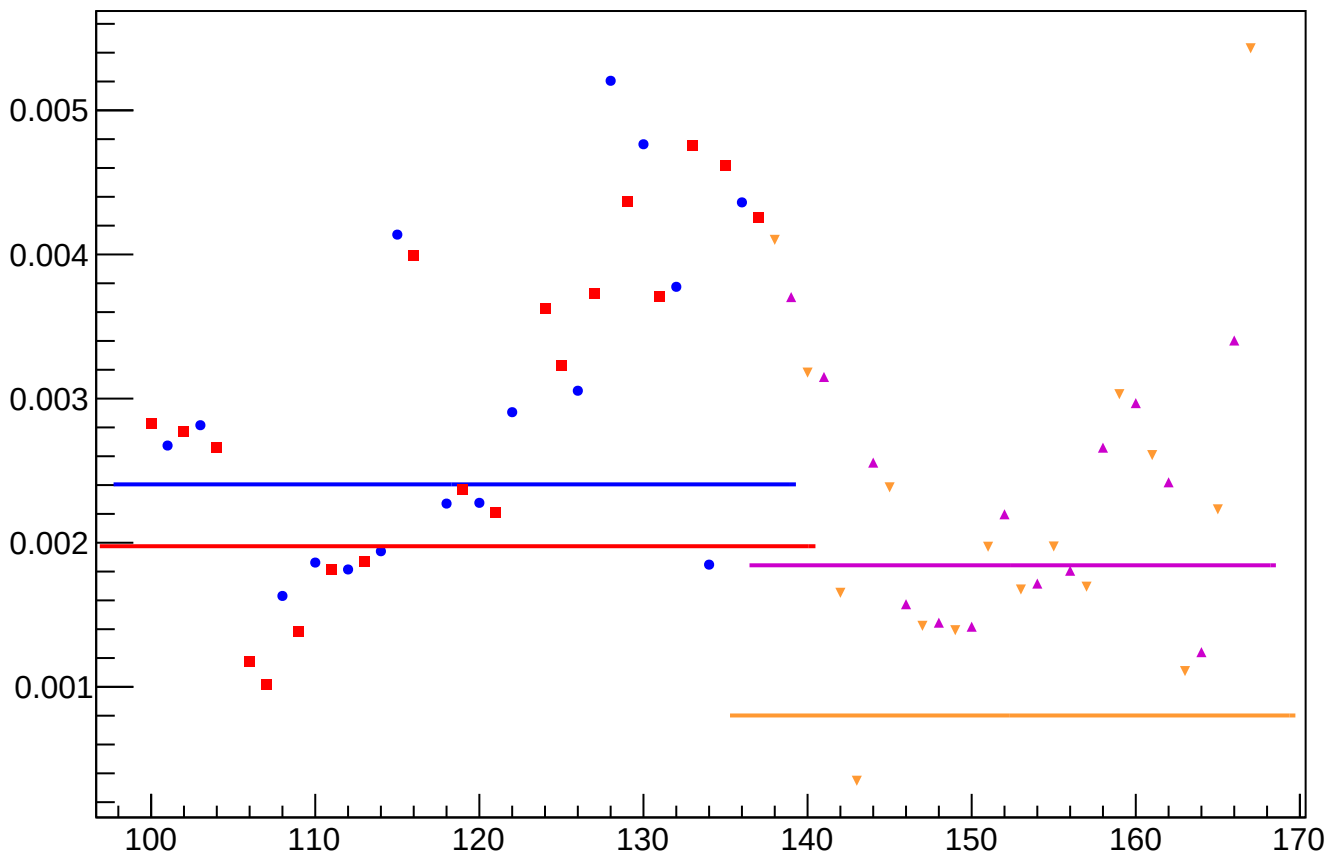
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 79.9/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 107.9/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.0/32

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: 0.001+/-0.000 χ^2/NDF : 11577117.9/15

Right Out: 0.002+/-0.000 χ^2/NDF : 2775363.3/18

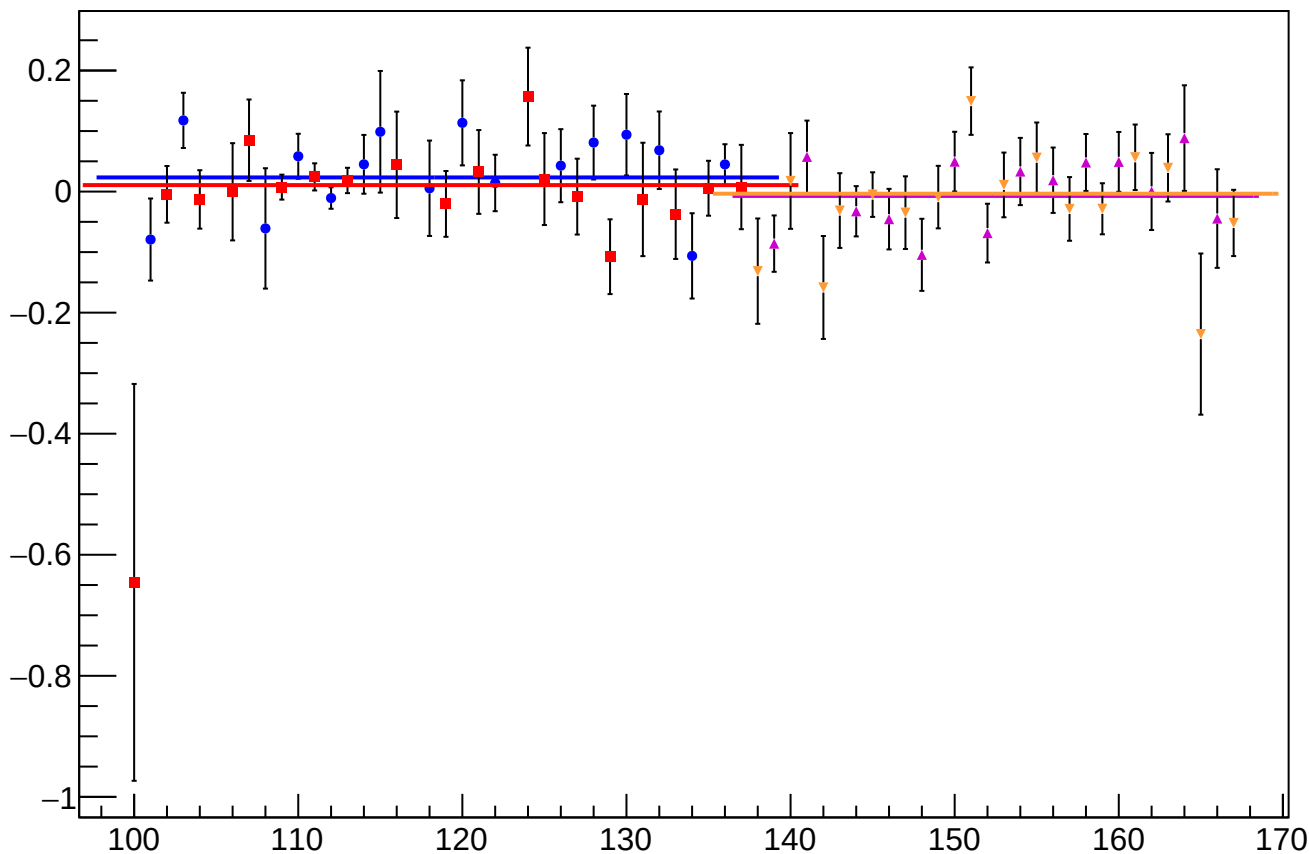
Left In: 0.002+/-0.000 χ^2/NDF : 2181226.9/13

+ sign 0.001+/-0.000 χ^2/NDF : 18226566.6/31

All: 0.001+/-0.000 χ^2/NDF : 28647689.3/64

- sign 0.002+/-0.000 χ^2/NDF : 4991547.1/32

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.004 $\pm$ 0.014 χ^2 /NDF: 20.9/15

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

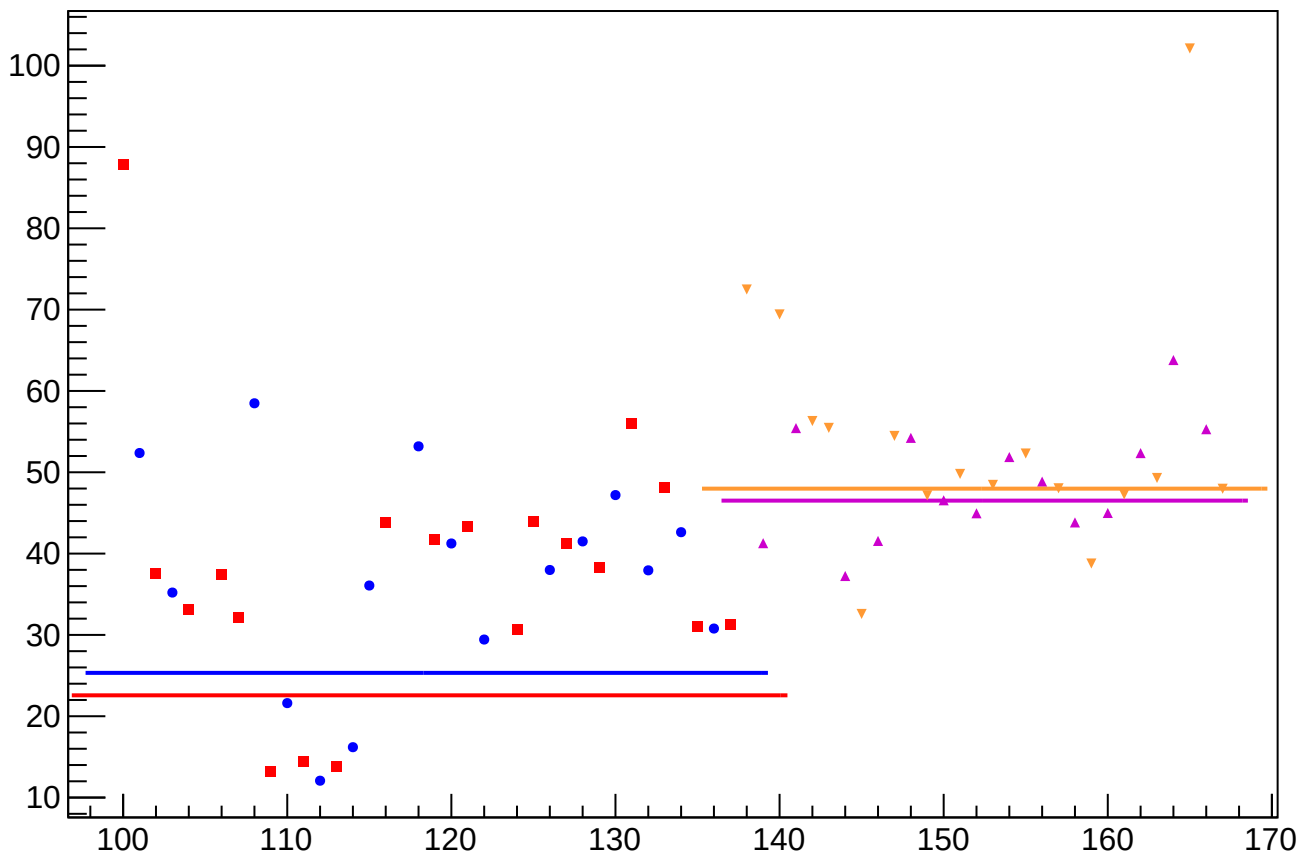
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF: 15.4/13

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 43.9/31

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 75.1/64

- sign 0.005 $\pm$ 0.008 χ^2 /NDF: 30.7/32

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: 47.987 $\pm$ 0.010 χ^2 /NDF: 1168029.7/15

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3140082.3/18

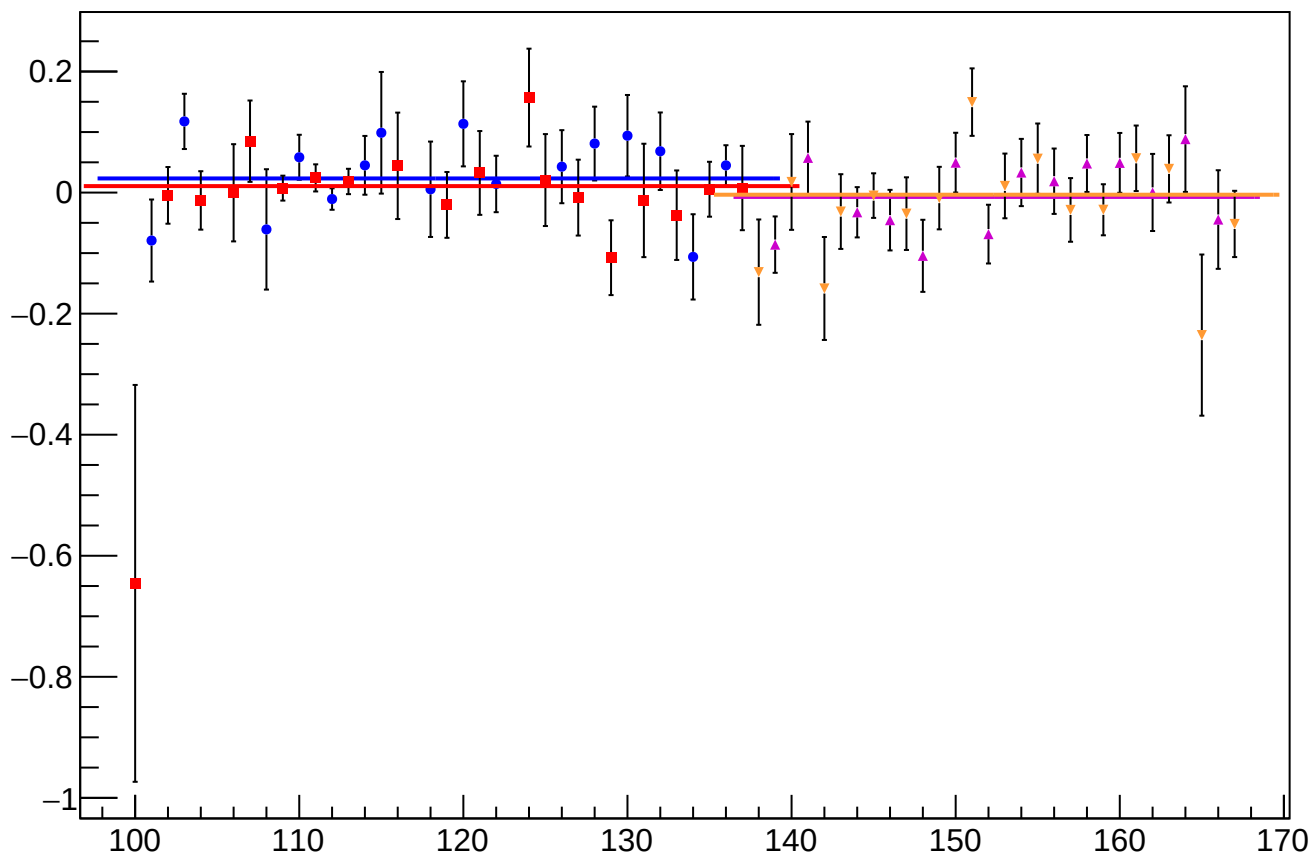
Left In: 46.513 $\pm$ 0.010 χ^2 /NDF: 373910.9/13

+ sign 33.969 $\pm$ 0.006 χ^2 /NDF: 7287702.5/31

All: 31.960 $\pm$ 0.004 χ^2 /NDF: 14815955.1/64

- sign 30.227 $\pm$ 0.006 χ^2 /NDF: 7329895.9/32

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.004 $\pm$ 0.014 χ^2 /NDF: 20.9/15

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

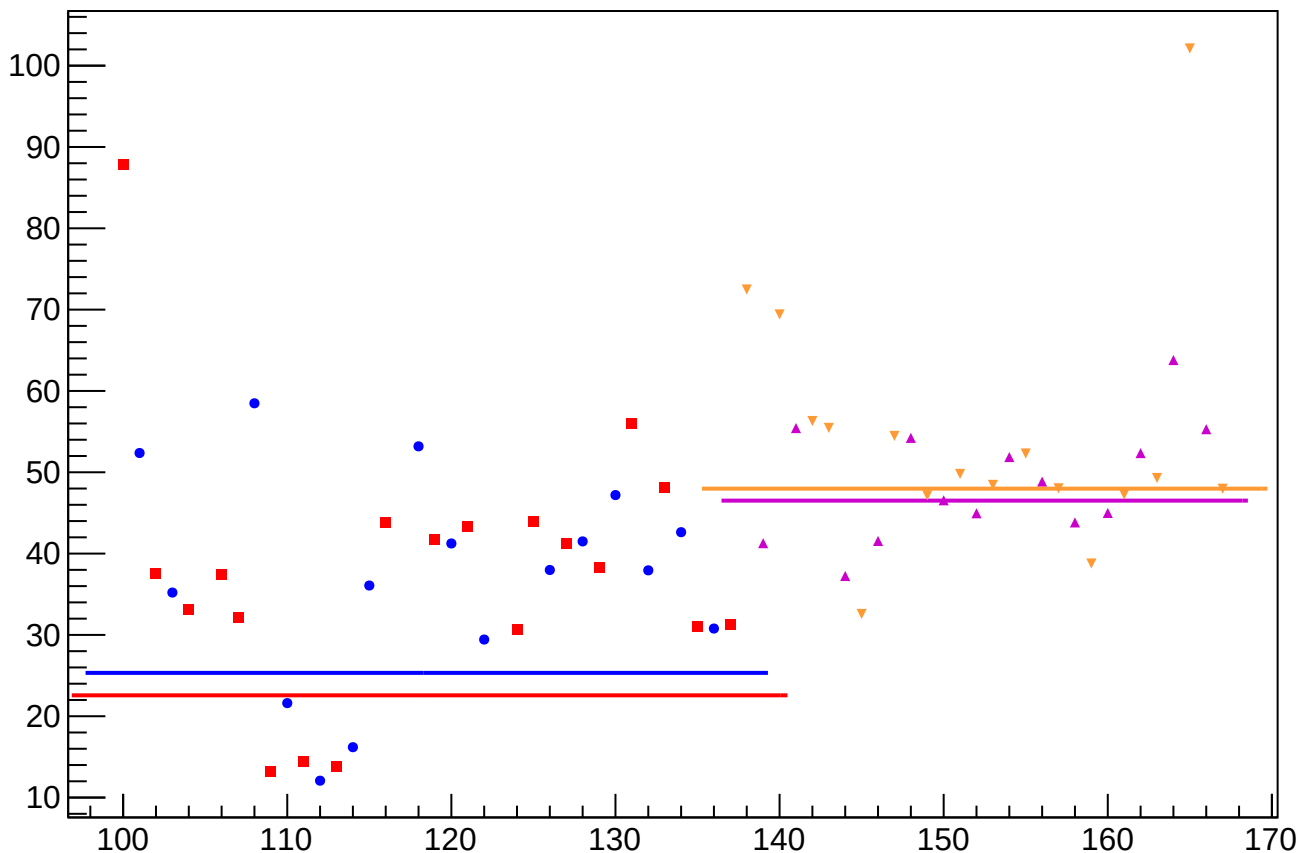
Left In: -0.007 $\pm$ 0.014 χ^2 /NDF: 15.4/13

+ sign 0.013 $\pm$ 0.009 χ^2 /NDF: 43.9/31

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 75.1/64

- sign 0.005 $\pm$ 0.008 χ^2 /NDF: 30.7/32

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: 47.987 $\pm$ 0.010 χ^2 /NDF: 1168029.7/15

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3140082.3/18

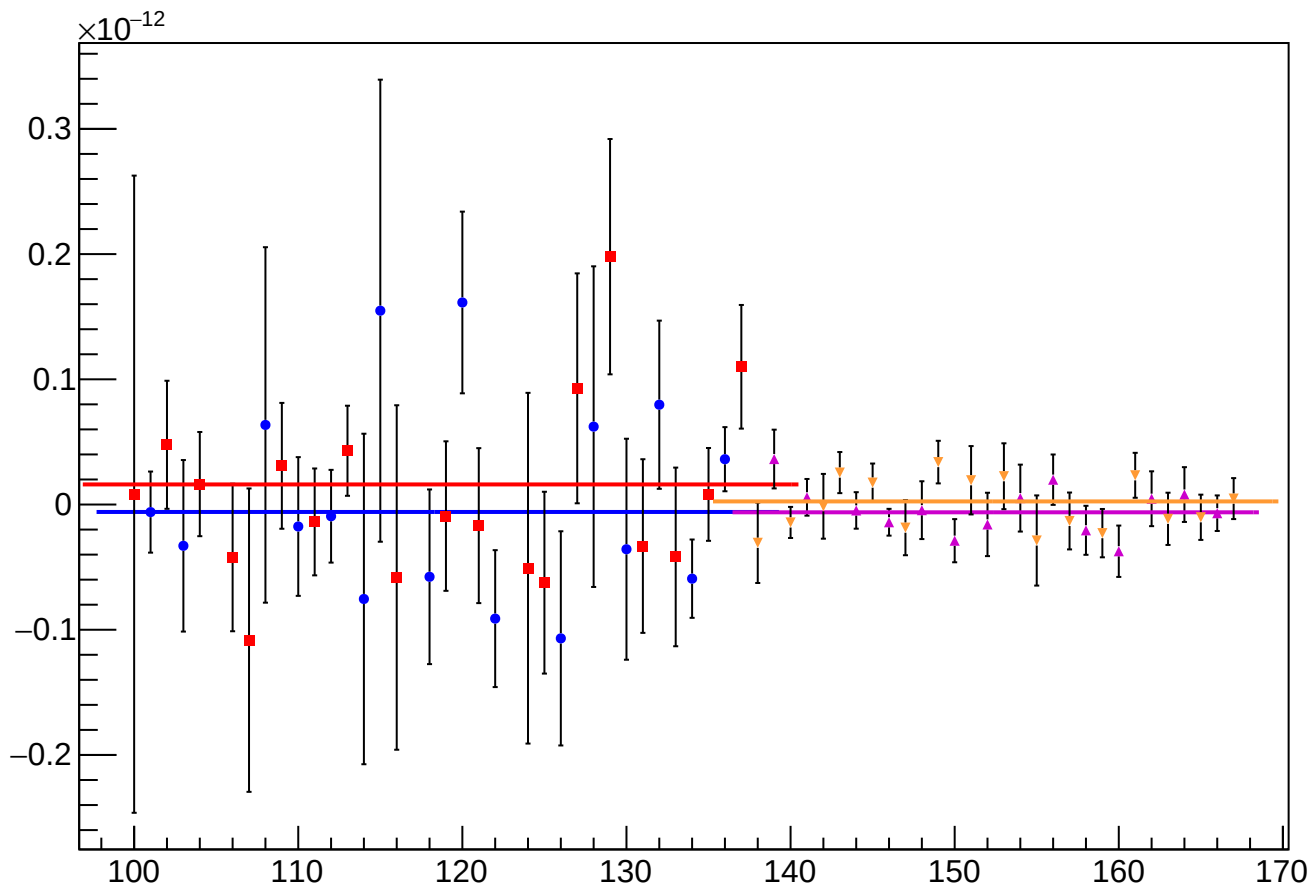
Left In: 46.513 $\pm$ 0.010 χ^2 /NDF: 373910.9/13

+ sign 33.969 $\pm$ 0.006 χ^2 /NDF: 7287702.5/31

All: 31.960 $\pm$ 0.004 χ^2 /NDF: 14815955.1/64

- sign 30.227 $\pm$ 0.006 χ^2 /NDF: 7329895.9/32

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 : 16.4/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.0/18

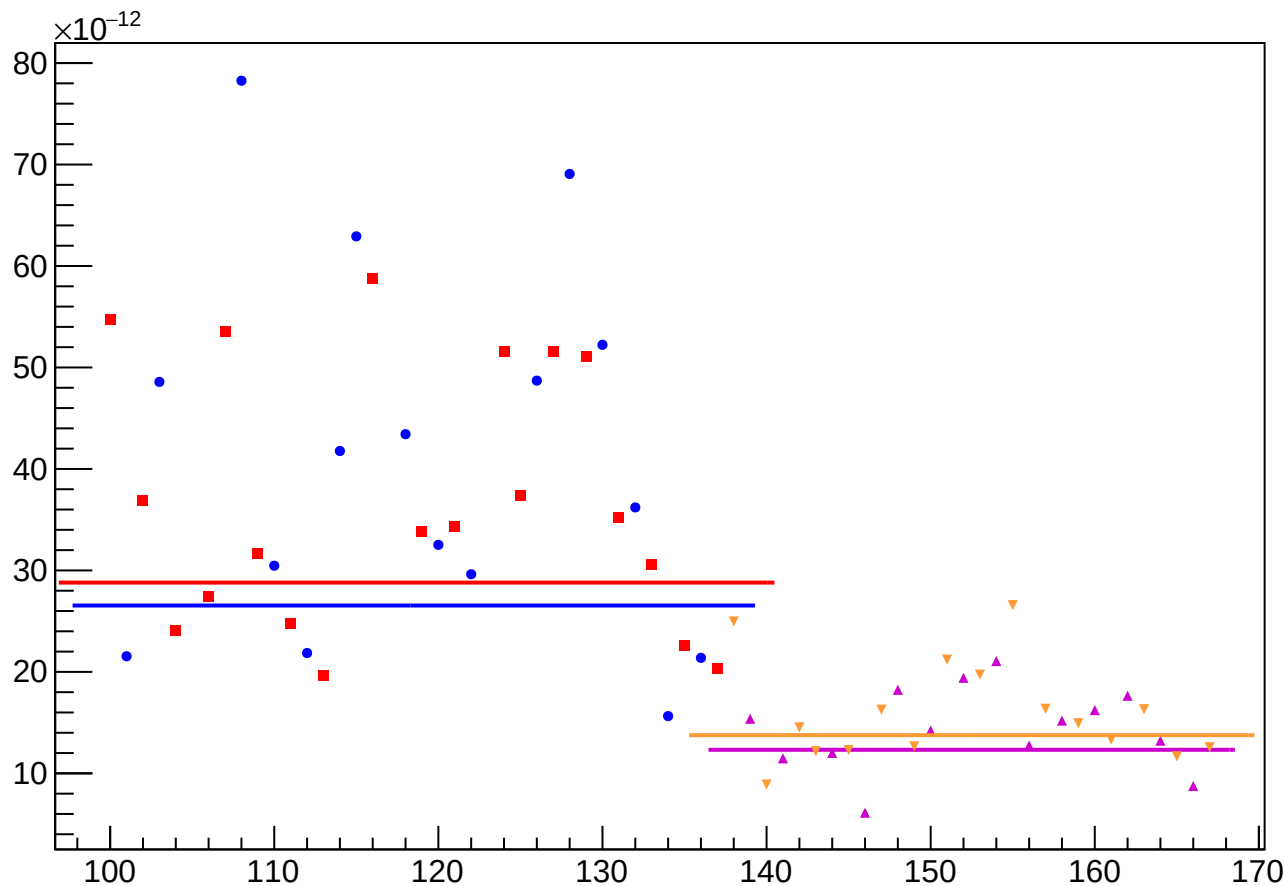
Left In: -0.000 ± 0.000 χ^2/NDF : 11.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 35.6/31

All: -0.000 ± 0.000 χ^2/NDF : 65.5/64

- sign -0.000 ± 0.000 χ^2/NDF : 29.2/32

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 :1231345.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 910681.7/18

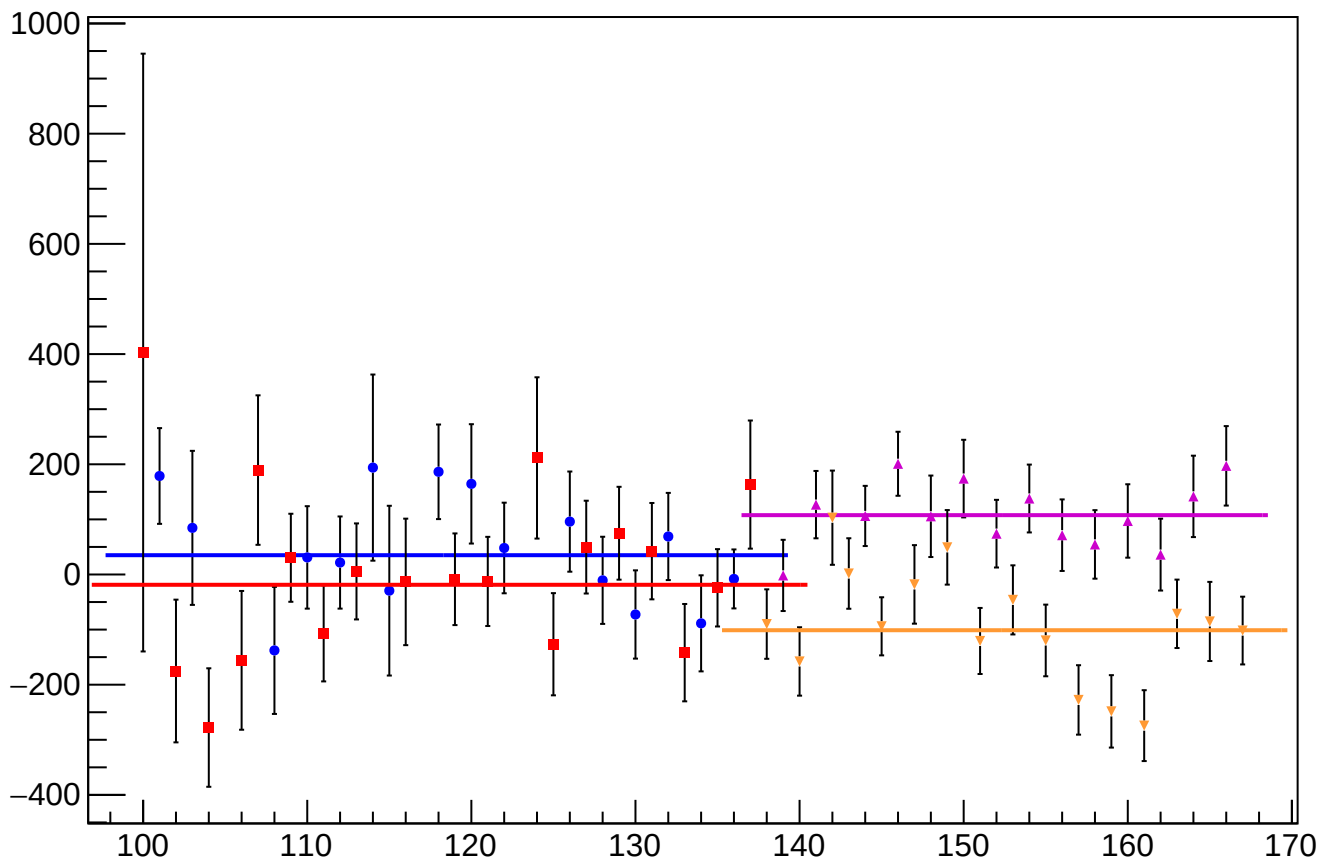
Left In: 0.000+/-0.000 χ^2/NDF :1605598.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 4689274.2/31

All: 0.000+/-0.000 χ^2/NDF : 10005645.1/64

- sign 0.000+/-0.000 χ^2/NDF : 5244471.6/32

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018 ± 22.134 χ^2/NDF : 16.2/15

Left Out: -101.158 ± 16.054 χ^2/NDF : 33.0/15

Right Out: -18.690 ± 22.137 χ^2/NDF : 23.5/18

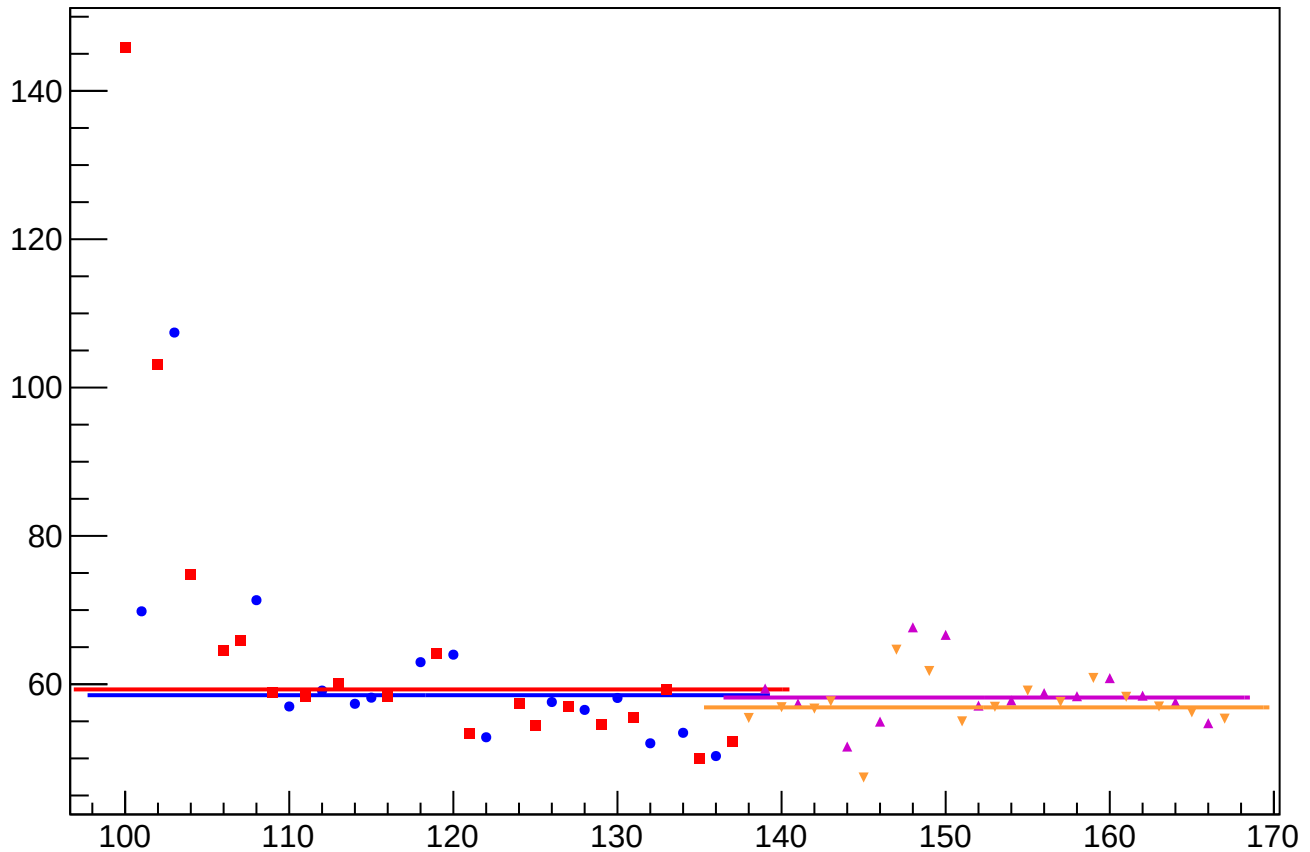
Left In: 107.682 ± 17.189 χ^2/NDF : 11.0/13

+ sign -54.215 ± 12.996 χ^2/NDF : 74.0/31

All: 0.466 ± 9.388 χ^2/NDF : 165.9/64

- sign 60.146 ± 13.577 χ^2/NDF : 54.8/32

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392742.4/15

Left Out: 56.880 $\pm$ 0.011 χ^2 /NDF: 114433.1/15

Right Out: 59.301 $\pm$ 0.016 χ^2 /NDF: 406611.5/18

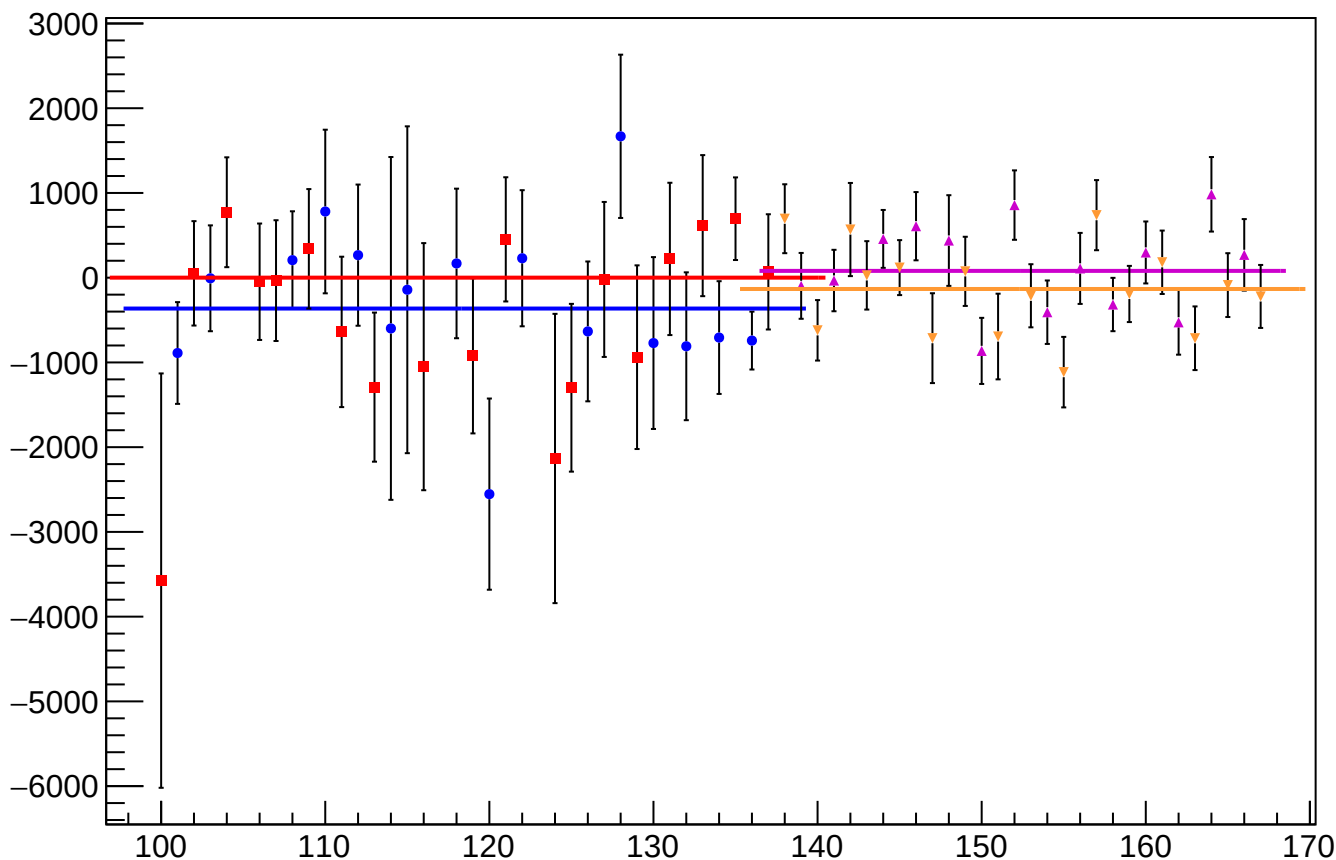
Left In: 58.209 $\pm$ 0.012 χ^2 /NDF: 106936.9/13

+ sign 57.446 $\pm$ 0.009 χ^2 /NDF: 514385.7/31

All: 58.007 $\pm$ 0.007 χ^2 /NDF: 1038776.2/64

- sign 58.620 $\pm$ 0.010 χ^2 /NDF: 516585.4/32

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: -133.212 ± 98.643 $\chi^2/\text{NDF}: 24.4/15$

Right Out: 0.570 ± 183.085 $\chi^2/\text{NDF}: 15.1/18$

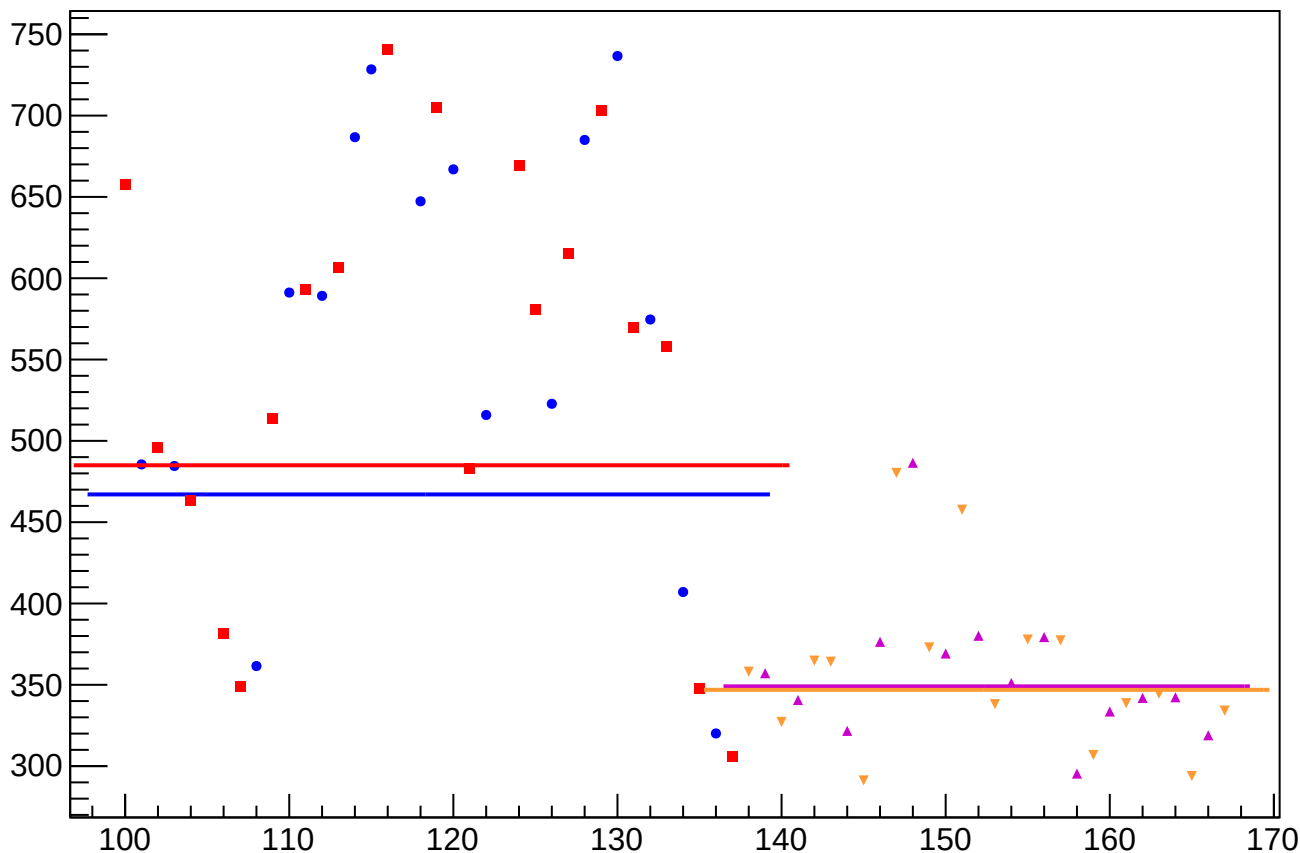
Left In: 80.370 ± 103.671 $\chi^2/\text{NDF}: 23.7/13$

+ sign -186.260 ± 86.572 $\chi^2/\text{NDF}: 40.8/31$

All: -67.722 ± 62.463 $\chi^2/\text{NDF}: 83.7/64$

- sign 60.996 ± 90.212 $\chi^2/\text{NDF}: 39.0/32$

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: 346.906 $\pm$ 0.070 χ^2 /NDF: 398308.3/15

Right Out: 484.982 $\pm$ 0.129 χ^2 /NDF: 874102.2/18

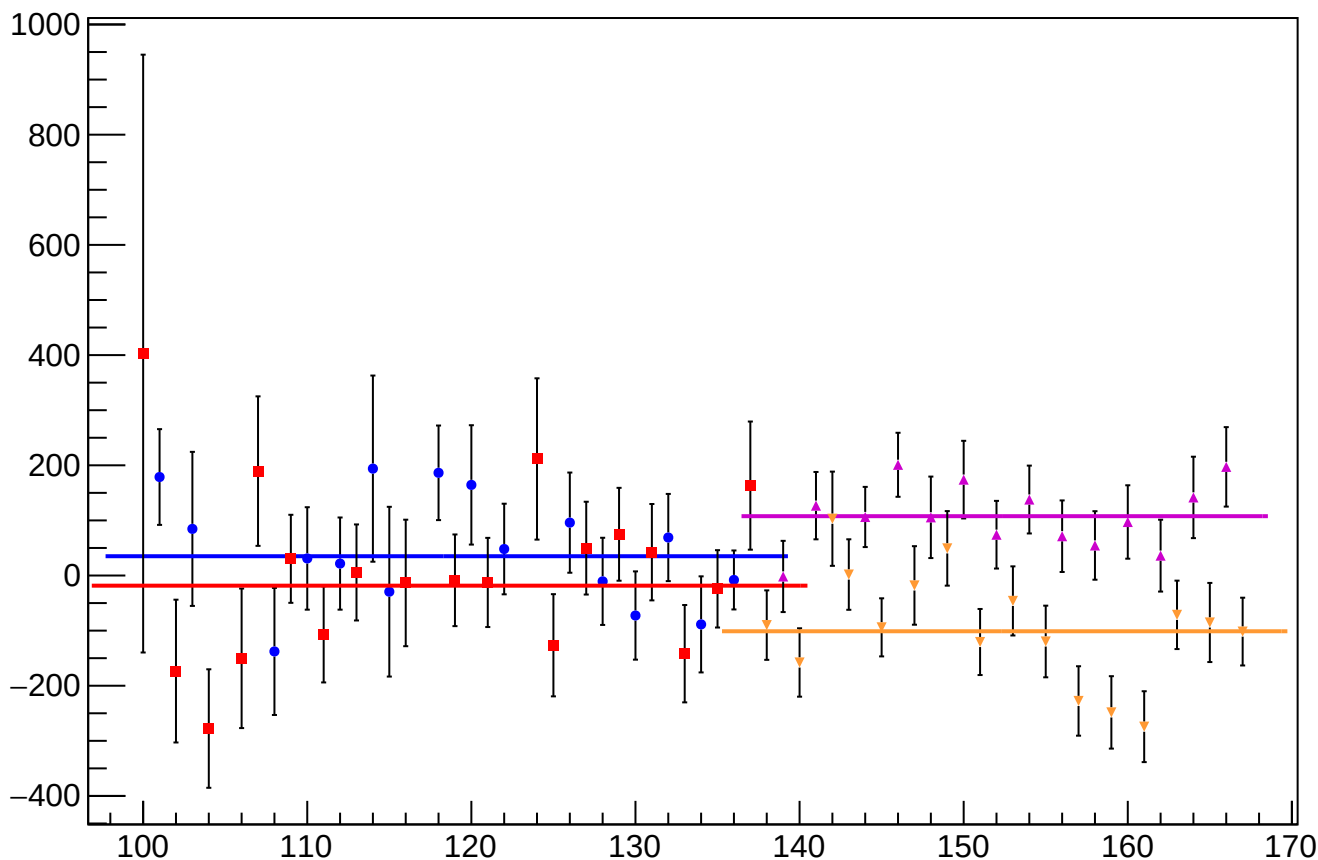
Left In: 349.049 $\pm$ 0.073 χ^2 /NDF: 256483.4/13

+ sign 374.517 $\pm$ 0.061 χ^2 /NDF: 2110513.1/31

All: 378.129 $\pm$ 0.044 χ^2 /NDF: 4083169.2/64

- sign 382.052 $\pm$ 0.064 χ^2 /NDF: 1965392.8/32

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 ± 22.134 χ^2/NDF : 16.2/15

Left Out: -101.155 ± 16.054 χ^2/NDF : 33.0/15

Right Out: -18.417 ± 22.141 χ^2/NDF : 23.4/18

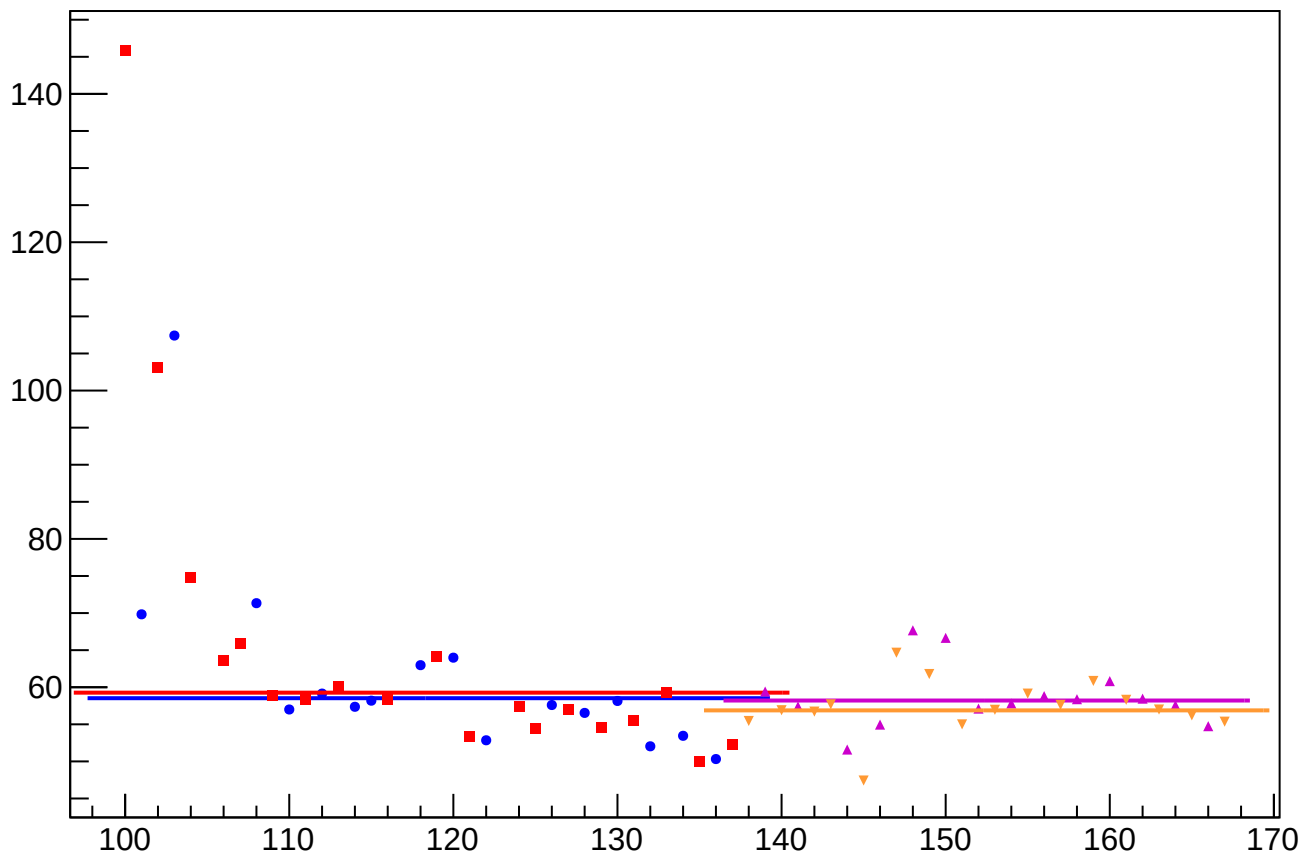
Left In: 107.683 ± 17.189 χ^2/NDF : 11.0/13

+ sign -54.213 ± 12.996 χ^2/NDF : 74.0/31

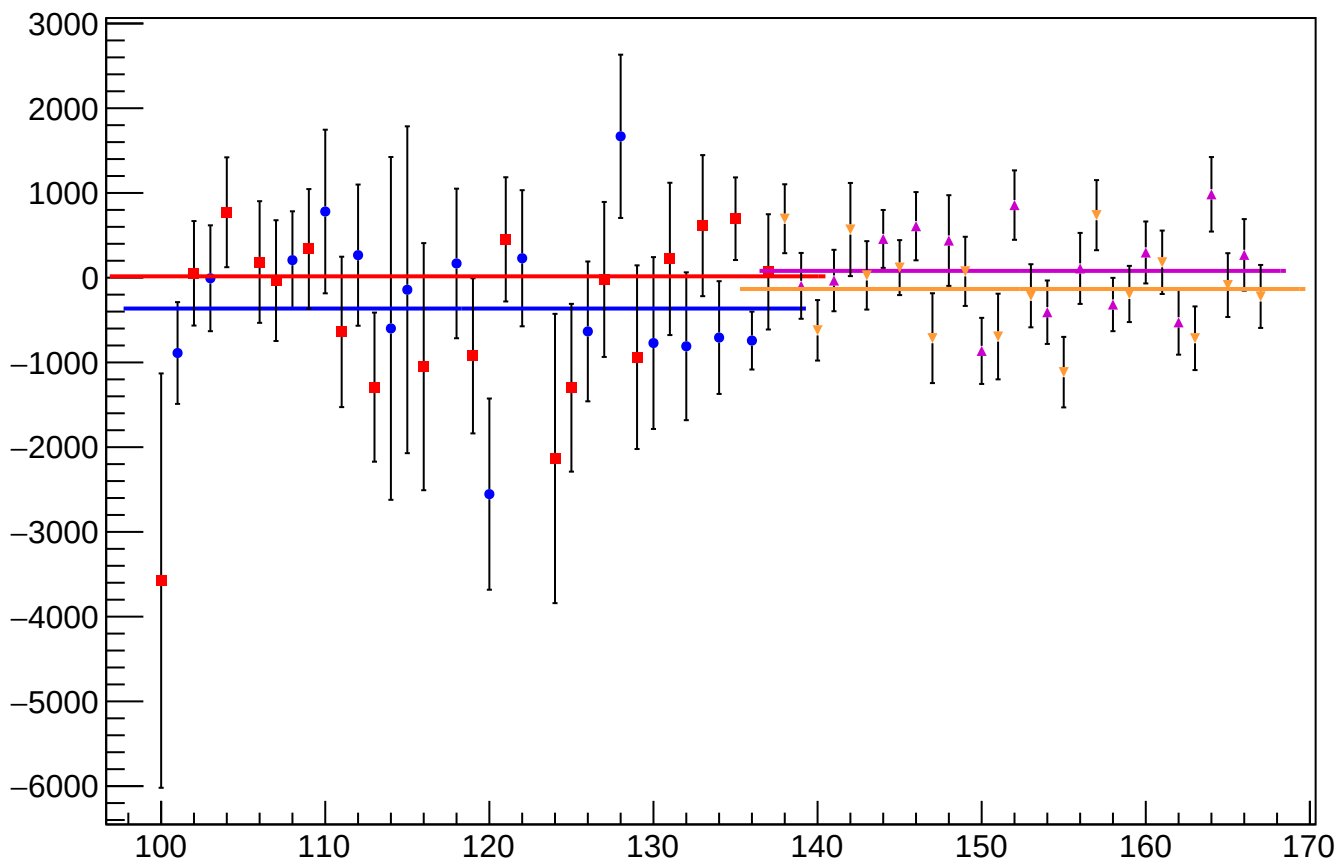
All: 0.517 ± 9.388 χ^2/NDF : 165.7/64

- sign 60.261 ± 13.578 χ^2/NDF : 54.6/32

cor_asym_sam_13_57_dd_rms vs Slug



asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040 ± 180.602 $\chi^2/\text{NDF}: 15.2/15$

Left Out: -133.211 ± 98.644 $\chi^2/\text{NDF}: 24.4/15$

Right Out: 16.087 ± 183.650 $\chi^2/\text{NDF}: 15.1/18$

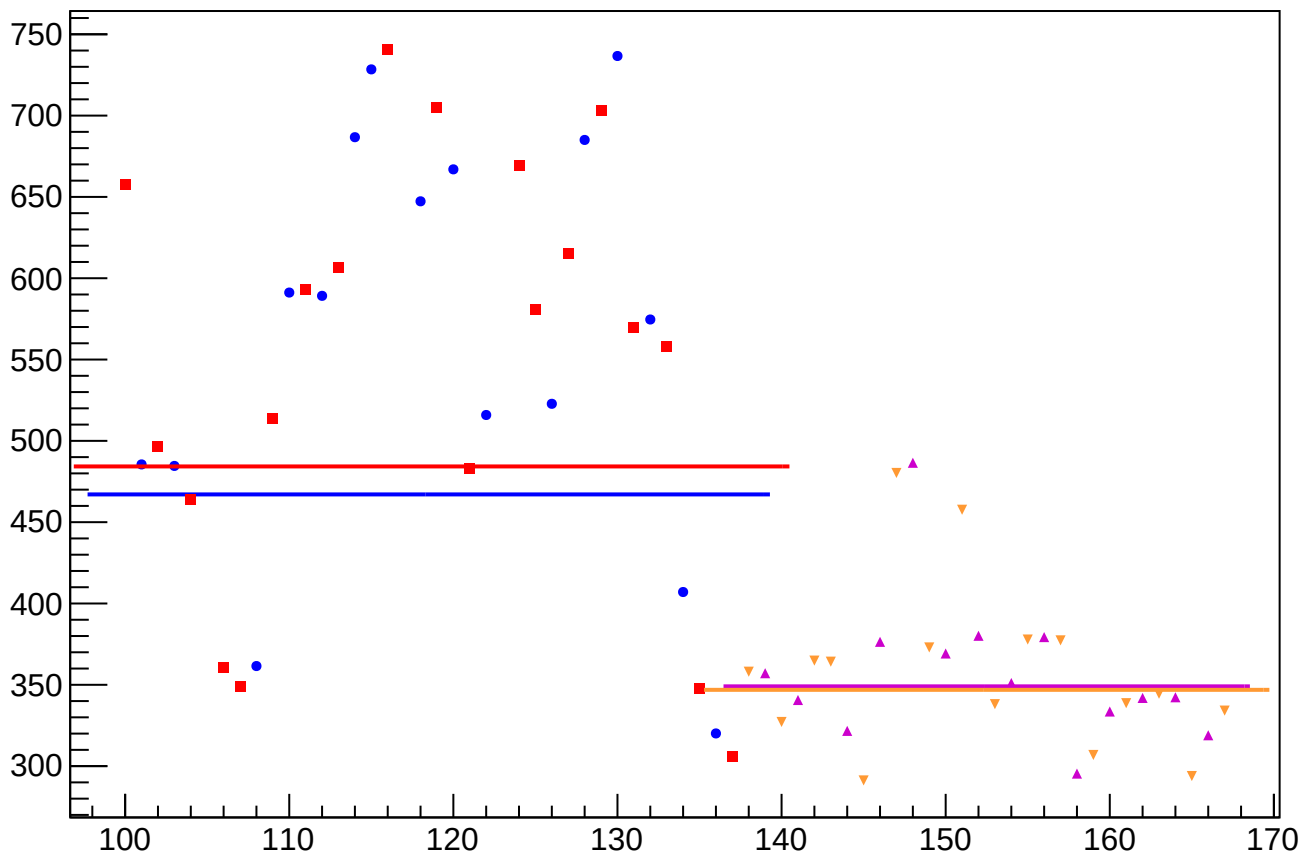
Left In: 80.371 ± 103.671 $\chi^2/\text{NDF}: 23.7/13$

+ sign -186.251 ± 86.572 $\chi^2/\text{NDF}: 40.8/31$

All: -65.969 ± 62.485 $\chi^2/\text{NDF}: 83.8/64$

- sign 64.836 ± 90.280 $\chi^2/\text{NDF}: 39.0/32$

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: 346.907 $\pm$ 0.070 χ^2 /NDF: 398307.9/15

Right Out: 484.274 $\pm$ 0.130 χ^2 /NDF: 888797.2/18

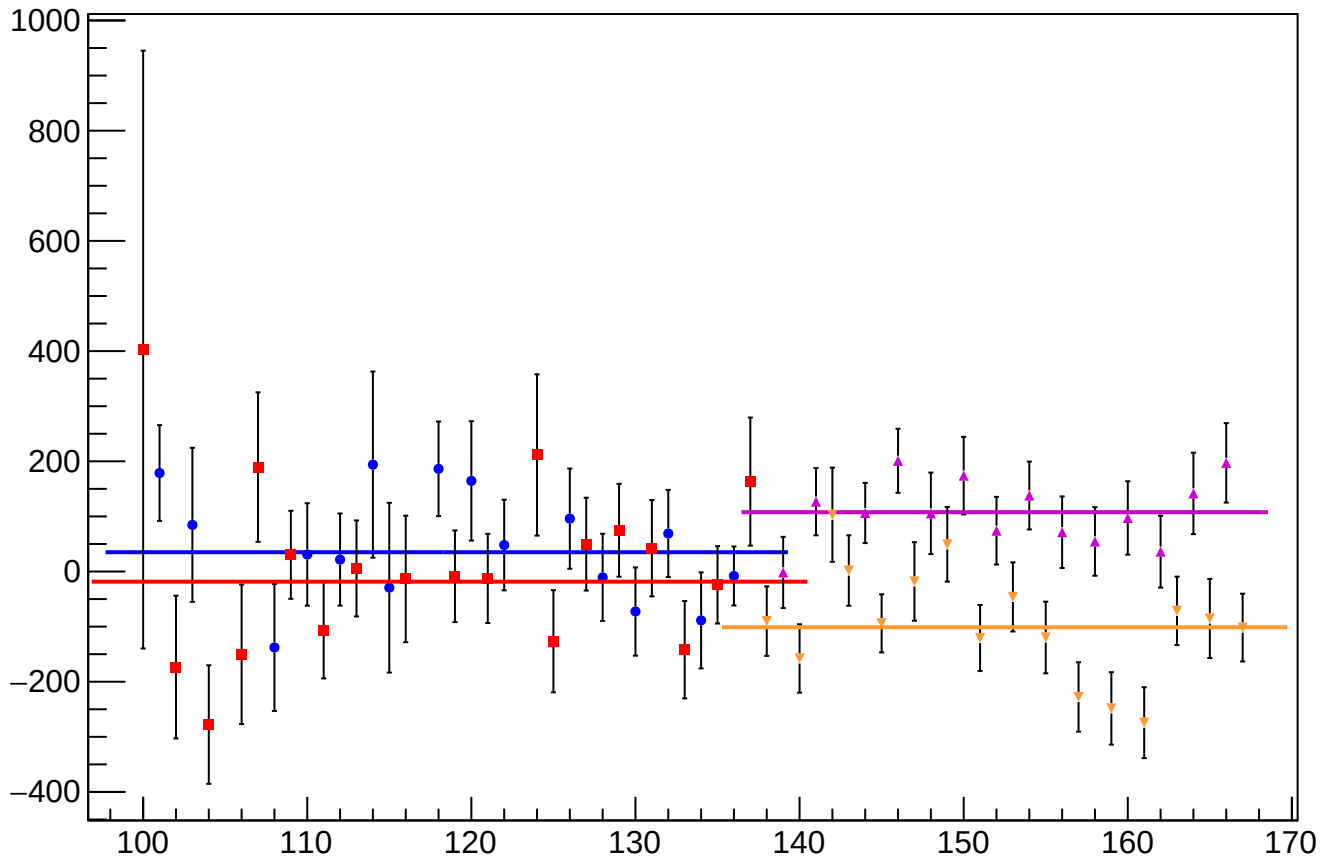
Left In: 349.050 $\pm$ 0.073 χ^2 /NDF: 256483.7/13

+ sign 374.518 $\pm$ 0.061 χ^2 /NDF: 2110537.1/31

All: 377.971 $\pm$ 0.044 χ^2 /NDF: 4084744.4/64

- sign 381.727 $\pm$ 0.064 χ^2 /NDF: 1967562.6/32

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 ± 22.134 χ^2/NDF : 16.2/15

Left Out: -101.155 ± 16.054 χ^2/NDF : 33.0/15

Right Out: -18.417 ± 22.141 χ^2/NDF : 23.4/18

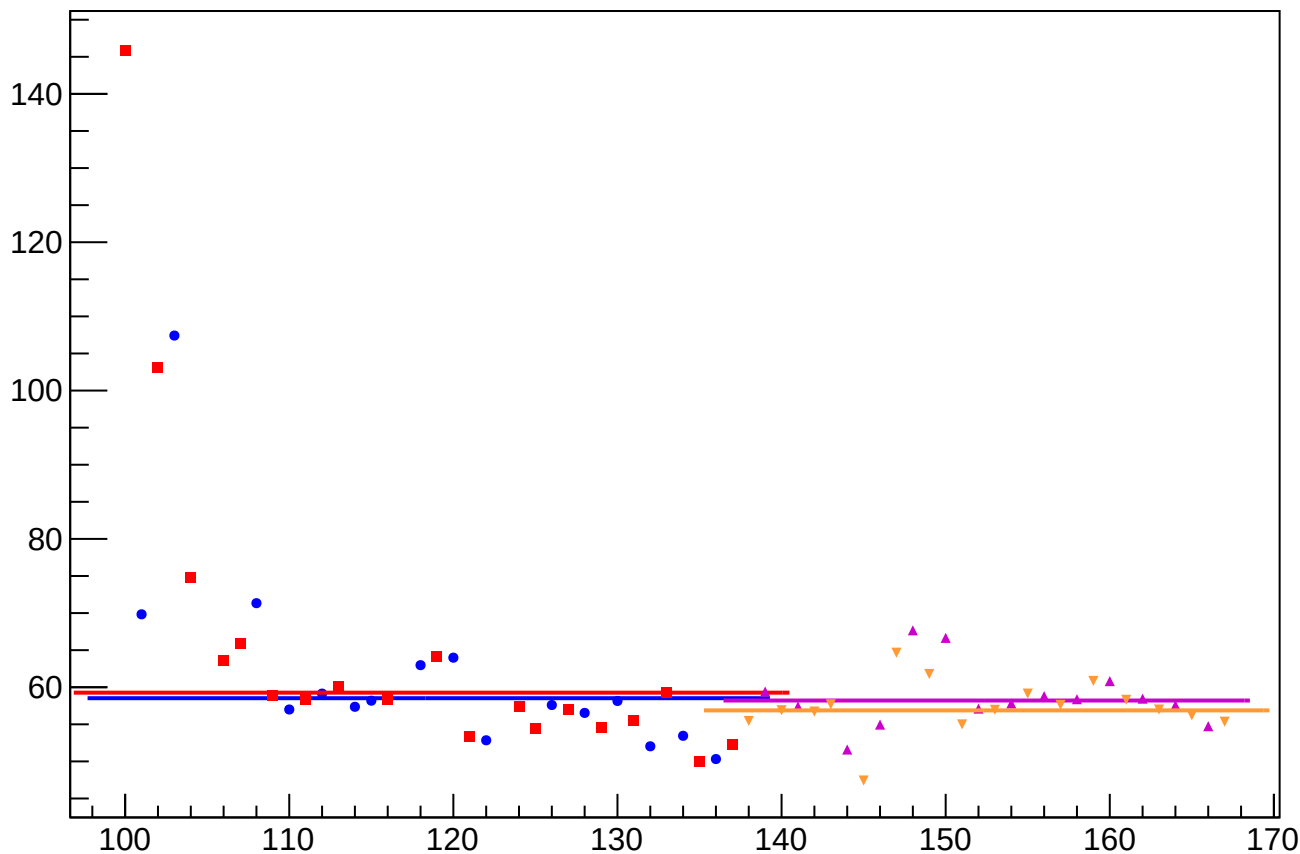
Left In: 107.683 ± 17.189 χ^2/NDF : 11.0/13

+ sign -54.213 ± 12.996 χ^2/NDF : 74.0/31

All: 0.517 ± 9.388 χ^2/NDF : 165.7/64

- sign 60.261 ± 13.578 χ^2/NDF : 54.6/32

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: 56.880 $\pm$ 0.011 χ^2 /NDF: 114433.2/15

Right Out: 59.269 $\pm$ 0.016 χ^2 /NDF: 405616.3/18

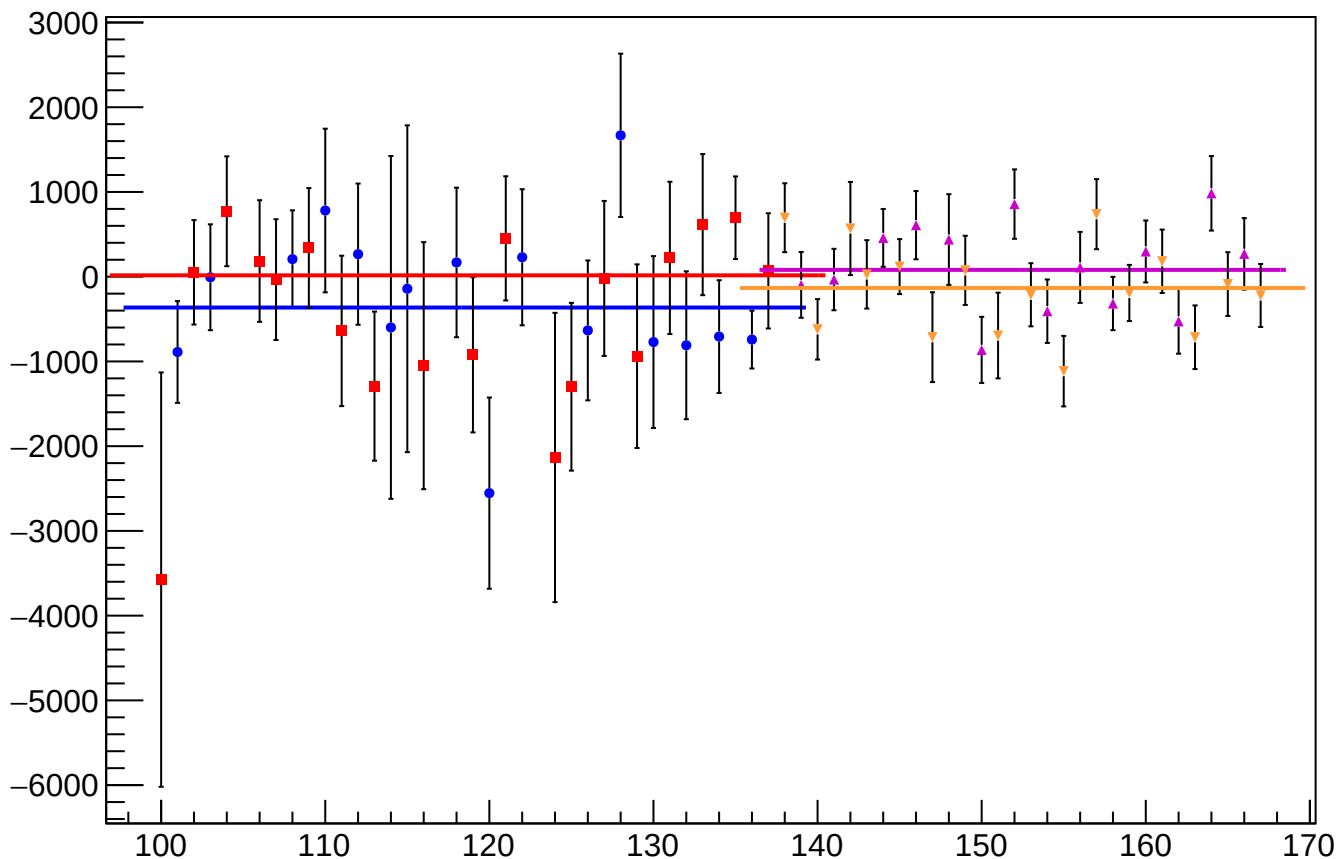
Left In: 58.209 $\pm$ 0.012 χ^2 /NDF: 106936.9/13

+ sign 57.446 $\pm$ 0.009 χ^2 /NDF: 514387.8/31

All: 58.001 $\pm$ 0.007 χ^2 /NDF: 1037447.9/64

- sign 58.608 $\pm$ 0.010 χ^2 /NDF: 515415.2/32

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF : 15.2/15

Left Out: -133.211+/-98.644 χ^2/NDF : 24.4/15

Right Out: 16.087+/-183.650 χ^2/NDF : 15.1/18

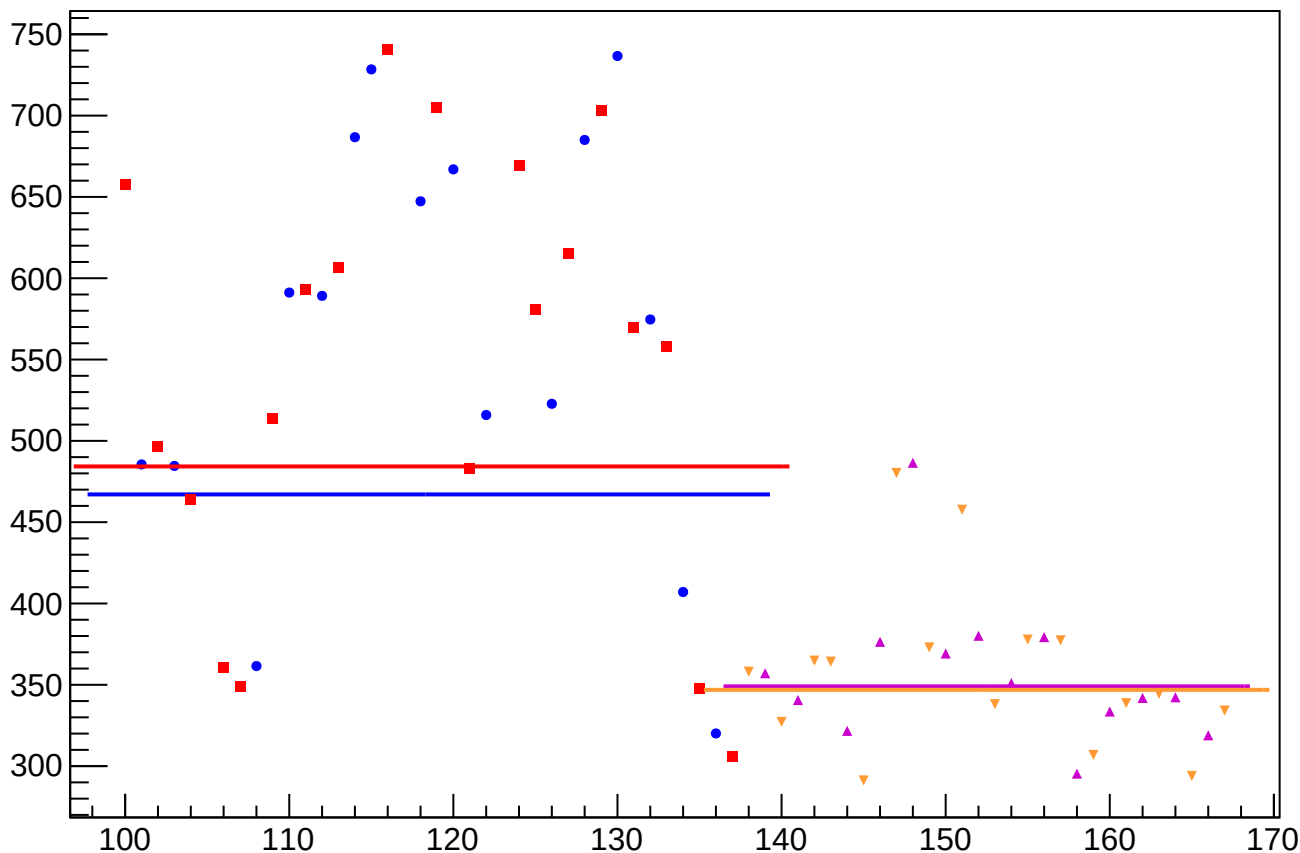
Left In: 80.371+/-103.671 χ^2/NDF : 23.7/13

+ sign -186.251+/-86.572 χ^2/NDF : 40.8/31

All: -65.969+/-62.485 χ^2/NDF : 83.8/64

- sign 64.836+/-90.280 χ^2/NDF : 39.0/32

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071 ± 0.128 χ^2/NDF : 1030281.3/15

Left Out: 346.907 ± 0.070 χ^2/NDF : 398307.9/15

Right Out: 484.274 ± 0.130 χ^2/NDF : 888797.2/18

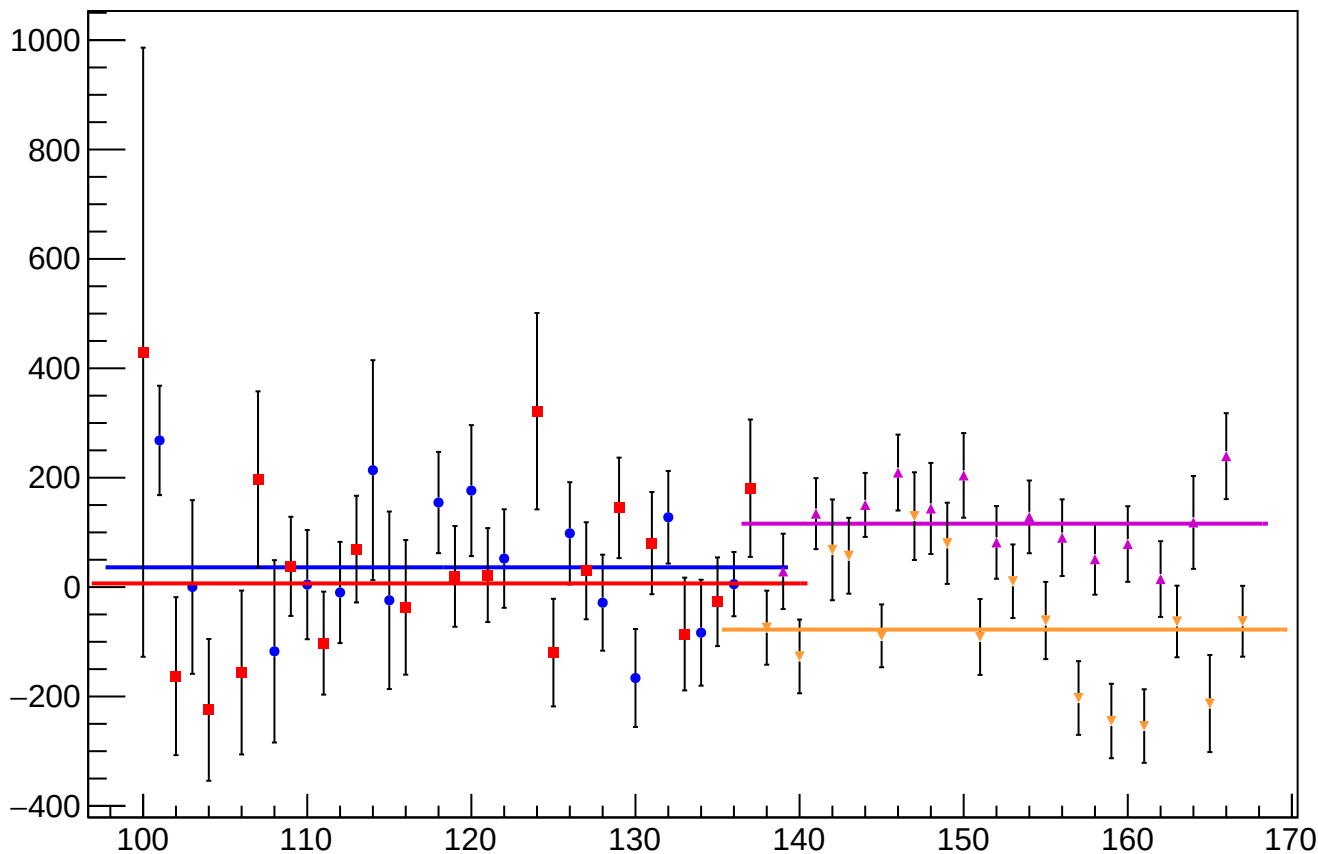
Left In: 349.050 ± 0.073 χ^2/NDF : 256483.7/13

+ sign 374.518 ± 0.061 χ^2/NDF : 2110537.1/31

All: 377.971 ± 0.044 χ^2/NDF : 4084744.4/64

- sign 381.727 ± 0.064 χ^2/NDF : 1967562.6/32

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157 ± 24.471 $\chi^2/\text{NDF}: 19.6/15$

Left Out: -77.666 ± 17.435 $\chi^2/\text{NDF}: 38.7/15$

Right Out: 6.734 ± 24.565 $\chi^2/\text{NDF}: 20.3/18$

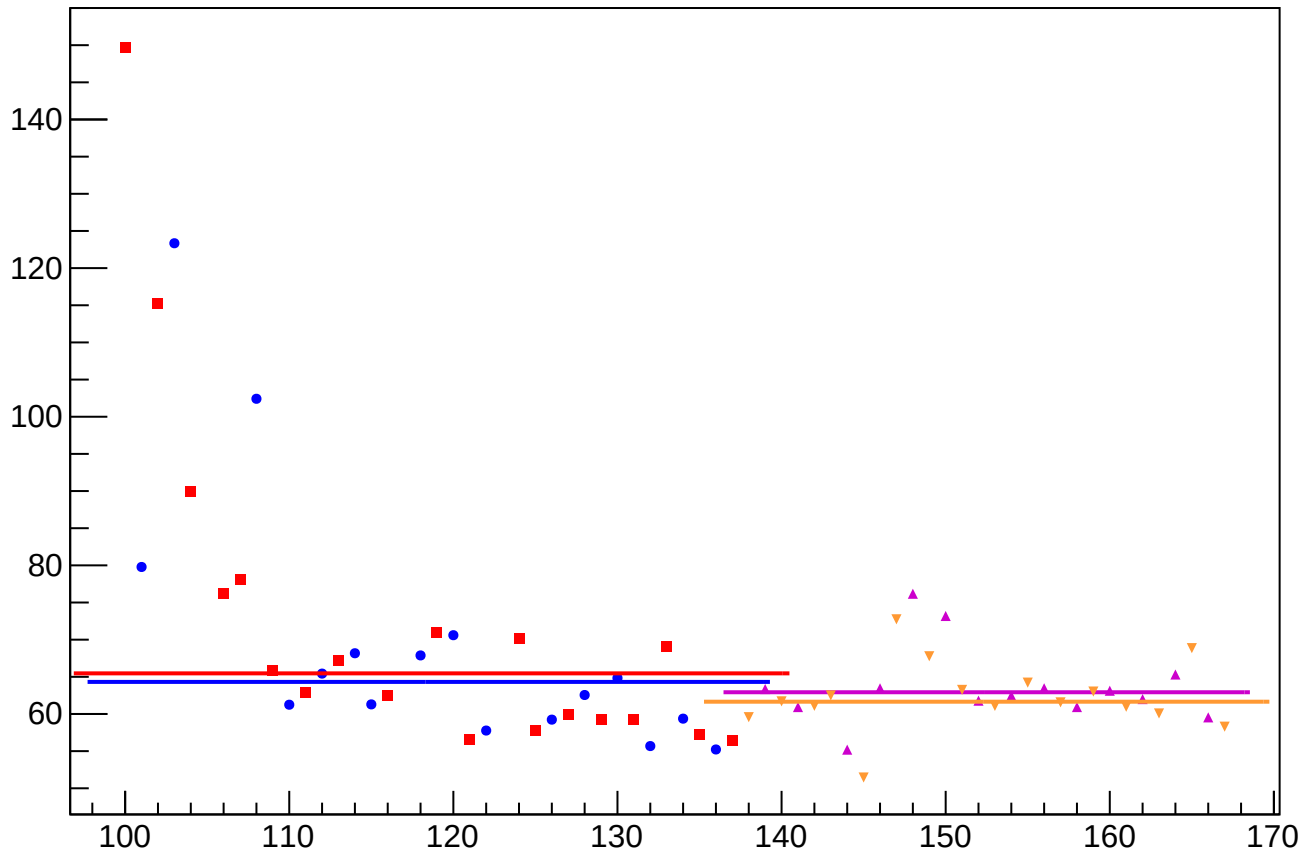
Left In: 115.956 ± 18.660 $\chi^2/\text{NDF}: 11.6/13$

+ sign -39.343 ± 14.199 $\chi^2/\text{NDF}: 72.7/31$

All: 15.706 ± 10.266 $\chi^2/\text{NDF}: 148.6/64$

- sign 75.991 ± 14.859 $\chi^2/\text{NDF}: 44.5/32$

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 ± 0.017 $\chi^2/\text{NDF}: 532065.0/15$

Left Out: 61.652 ± 0.012 $\chi^2/\text{NDF}: 141754.7/15$

Right Out: 65.466 ± 0.017 $\chi^2/\text{NDF}: 482361.0/18$

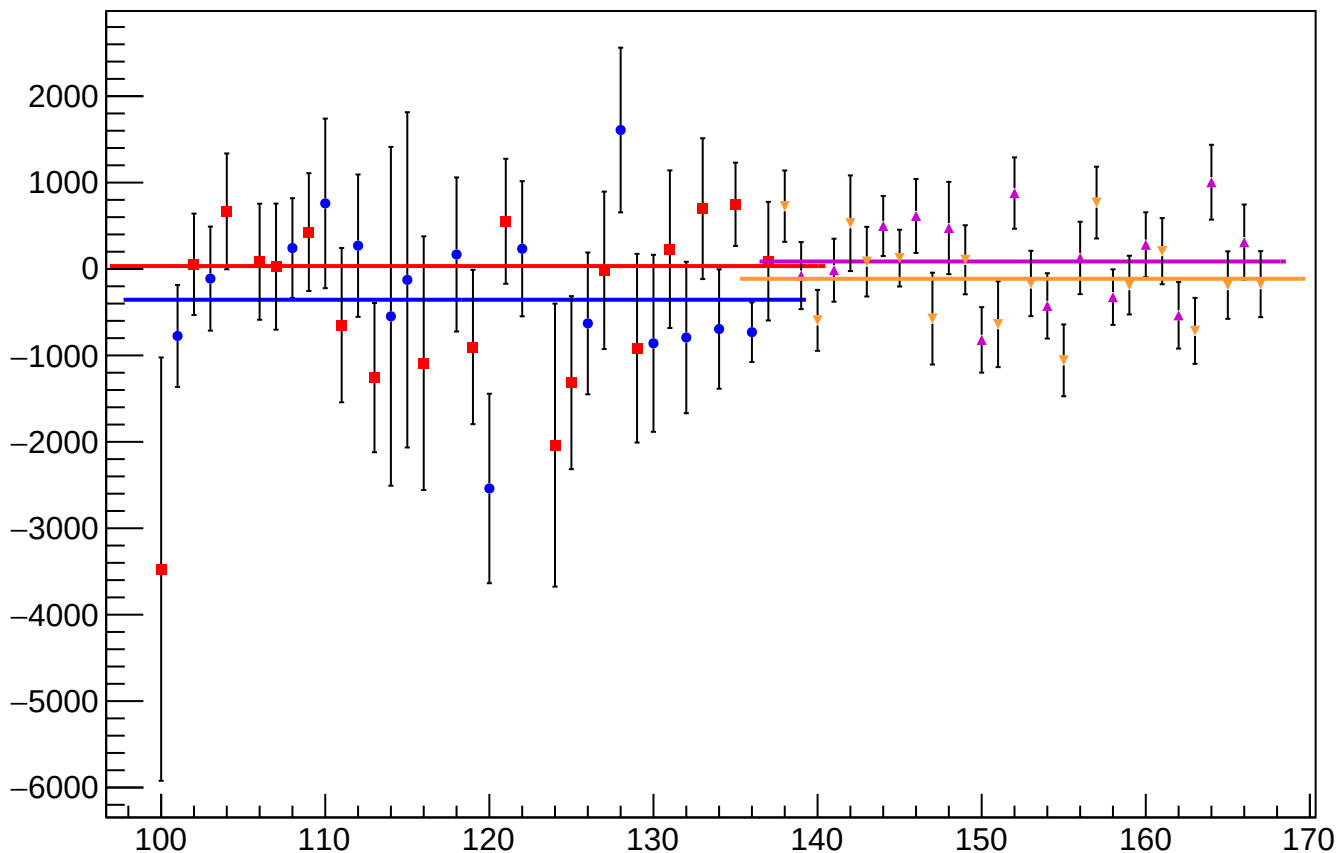
Left In: 62.924 ± 0.013 $\chi^2/\text{NDF}: 131190.9/13$

+ sign 62.549 ± 0.010 $\chi^2/\text{NDF}: 689540.9/31$

All: 63.172 ± 0.007 $\chi^2/\text{NDF}: 1324734.9/64$

- sign 63.854 ± 0.011 $\chi^2/\text{NDF}: 627131.1/32$

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529 ± 180.335 χ^2/NDF : 14.8/15

Left Out: -113.149 ± 99.597 χ^2/NDF : 23.3/15

Right Out: 33.786 ± 181.561 χ^2/NDF : 15.4/18

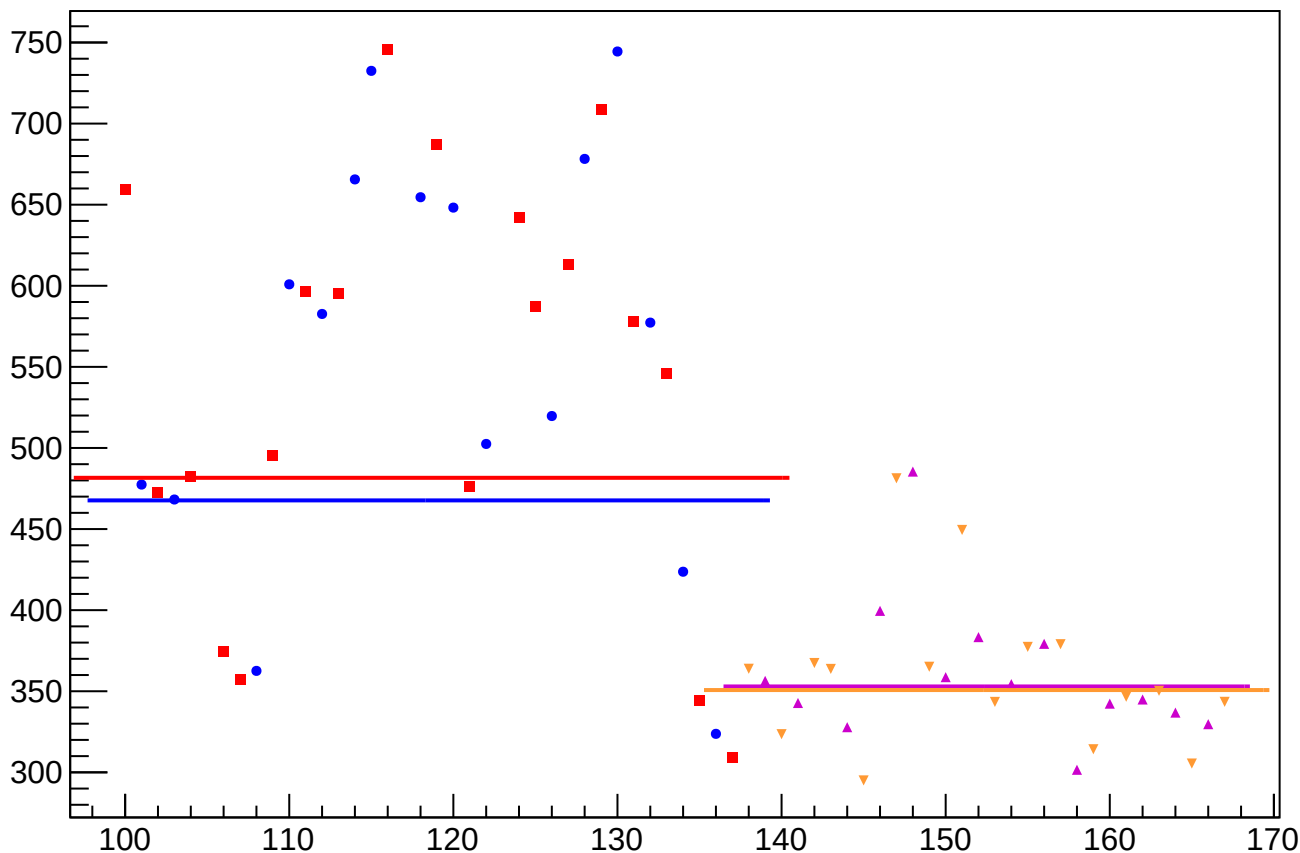
Left In: 86.983 ± 104.781 χ^2/NDF : 24.2/13

+ sign -169.801 ± 87.184 χ^2/NDF : 39.5/31

All: -52.935 ± 62.872 χ^2/NDF : 82.9/64

- sign 73.692 ± 90.752 χ^2/NDF : 39.7/32

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: 350.737 $\pm$ 0.070 χ^2/NDF : 346855.0/15

Right Out: 481.599 $\pm$ 0.128 χ^2/NDF : 854281.1/18

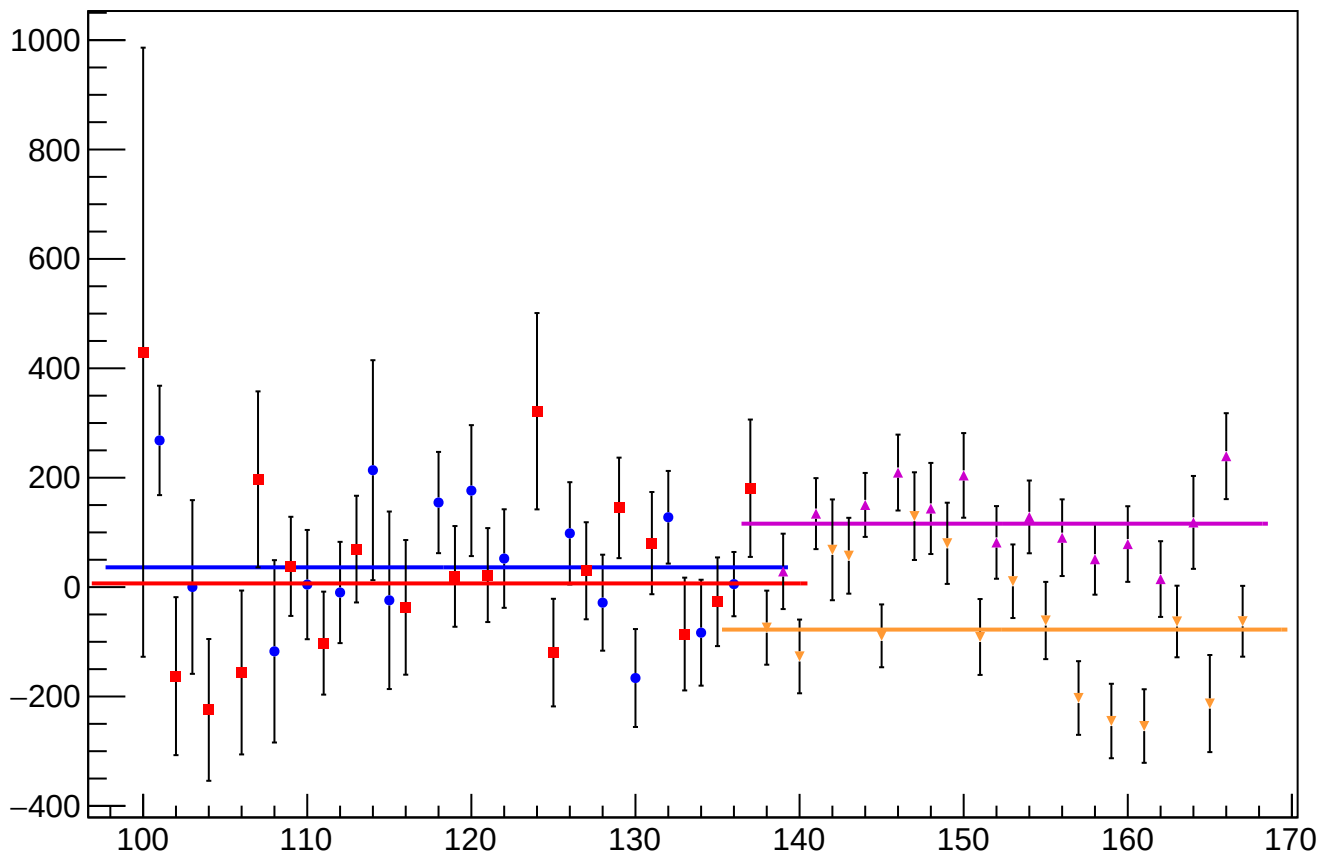
Left In: 352.959 $\pm$ 0.074 χ^2/NDF : 240218.6/13

+ sign 378.069 $\pm$ 0.062 χ^2/NDF : 1977210.2/31

All: 381.443 $\pm$ 0.044 χ^2/NDF : 3831125.9/64

- sign 385.099 $\pm$ 0.064 χ^2/NDF : 1847673.9/32

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157 ± 24.471 χ^2/NDF : 19.6/15

Left Out: -77.666 ± 17.435 χ^2/NDF : 38.7/15

Right Out: 6.735 ± 24.565 χ^2/NDF : 20.3/18

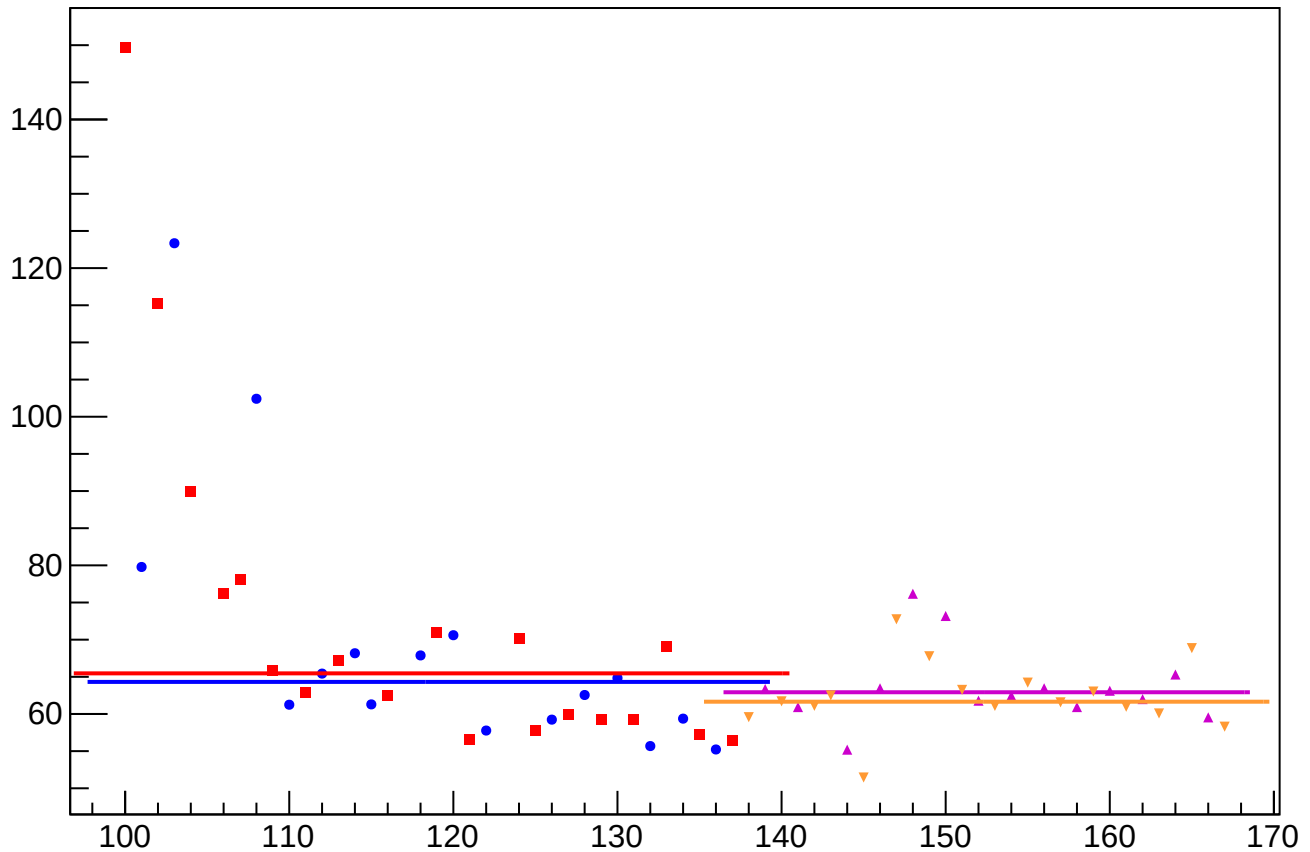
Left In: 115.956 ± 18.660 χ^2/NDF : 11.6/13

+ sign -39.343 ± 14.199 χ^2/NDF : 72.7/31

All: 15.707 ± 10.266 χ^2/NDF : 148.6/64

- sign 75.991 ± 14.859 χ^2/NDF : 44.5/32

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 $\pm$ 0.017 χ^2 /NDF: 532073.4/15

Left Out: 61.652 $\pm$ 0.012 χ^2 /NDF: 141759.1/15

Right Out: 65.466 $\pm$ 0.017 χ^2 /NDF: 482367.1/18

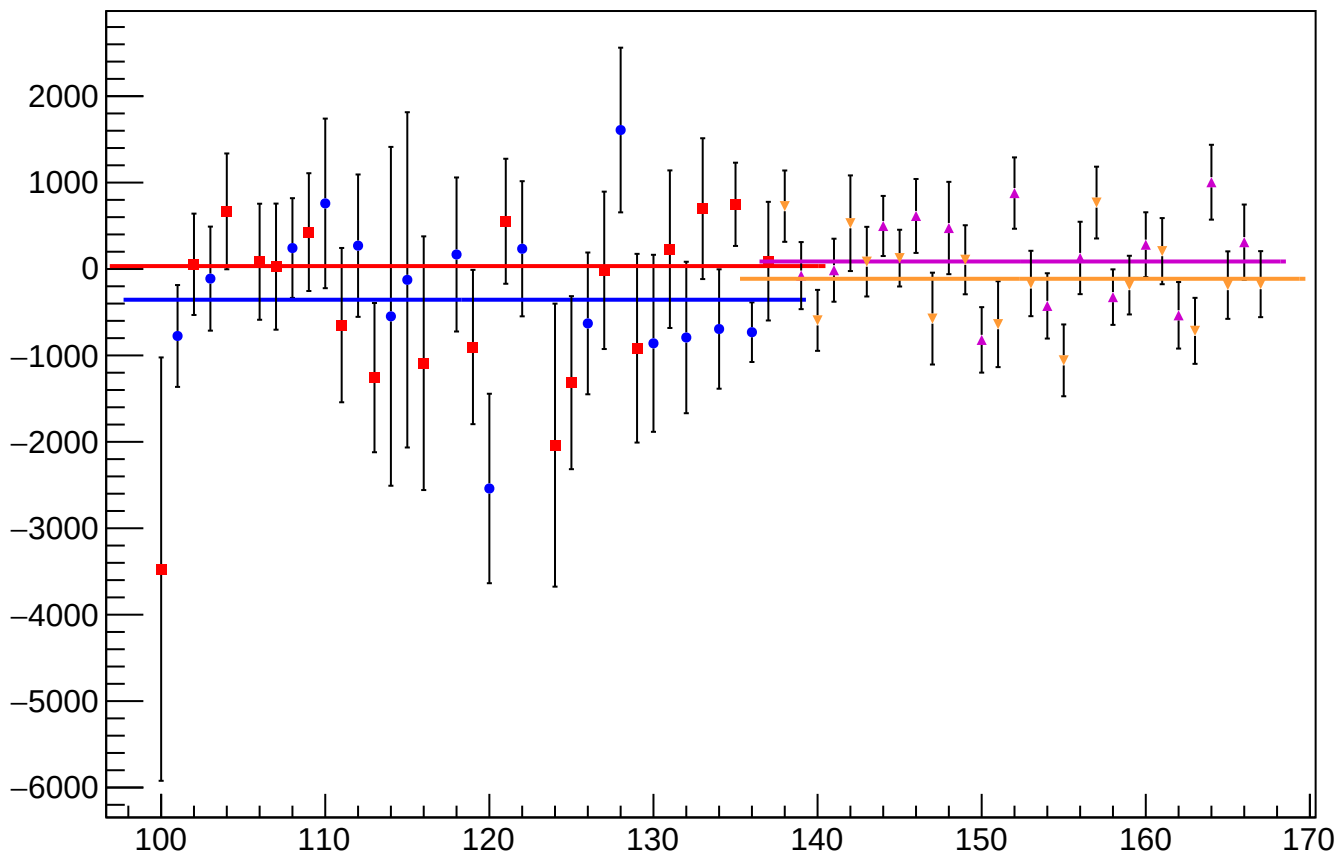
Left In: 62.924 $\pm$ 0.013 χ^2 /NDF: 131194.4/13

+ sign 62.549 $\pm$ 0.010 χ^2 /NDF: 689551.9/31

All: 63.172 $\pm$ 0.007 χ^2 /NDF: 1324753.9/64

- sign 63.854 $\pm$ 0.011 χ^2 /NDF: 627139.2/32

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -355.529 $\pm$ 180.334 χ^2 /NDF: 14.8/15

Left Out: -113.149 $\pm$ 99.597 χ^2 /NDF:23.3/15

Right Out: 33.787 $\pm$ 181.560 χ^2 /NDF: 15.4/18

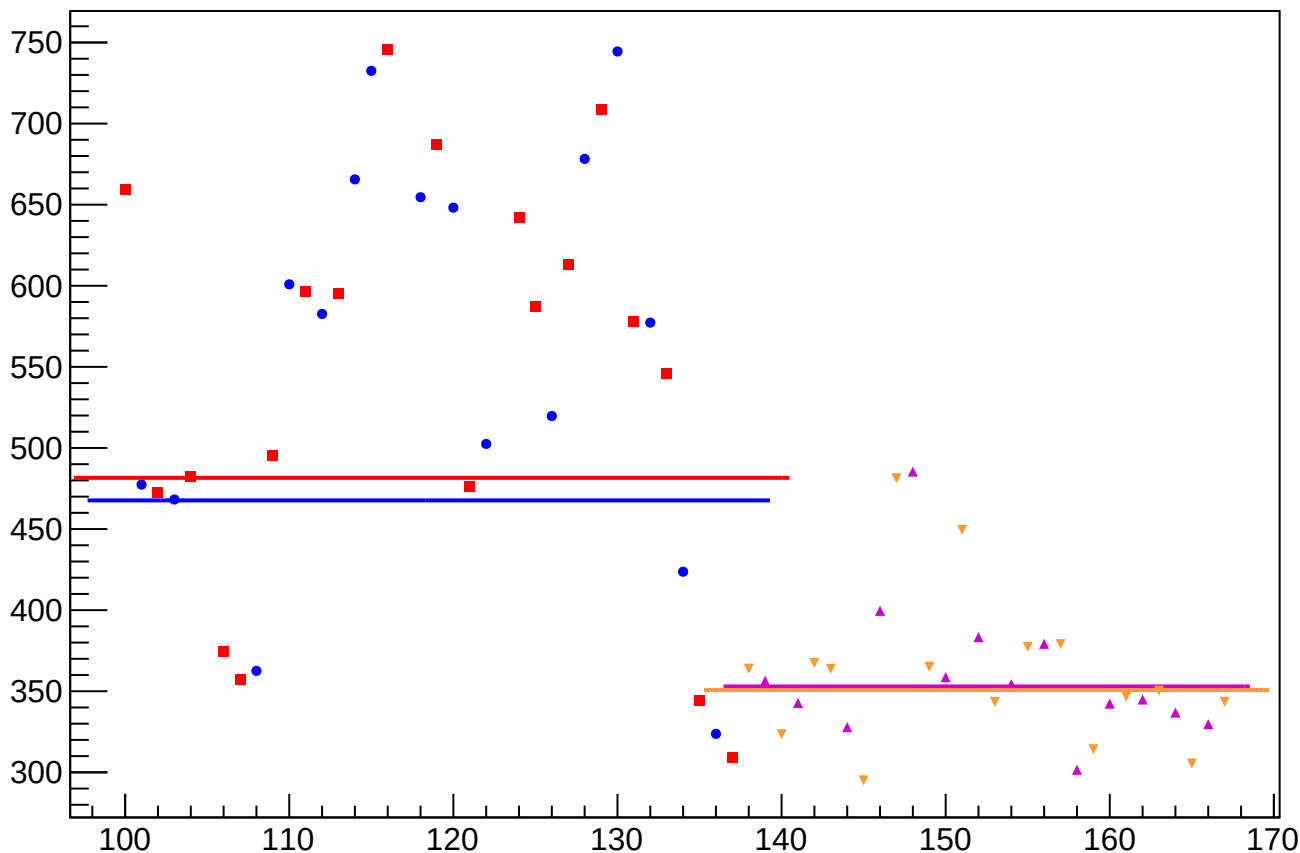
Left In: 86.983 $\pm$ 104.781 χ^2 /NDF:24.2/13

+ sign -169.801 $\pm$ 87.184 χ^2 /NDF: 39.5/31

All: -52.935 $\pm$ 62.872 χ^2 /NDF: 82.9/64

- sign 73.692 $\pm$ 90.752 χ^2 /NDF: 39.7/32

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674 $\pm$ 0.128 χ^2 /NDF: 985945.4/15

Left Out: 350.737 $\pm$ 0.070 χ^2 /NDF: 346854.7/15

Right Out: 481.599 $\pm$ 0.128 χ^2 /NDF: 854281.0/18

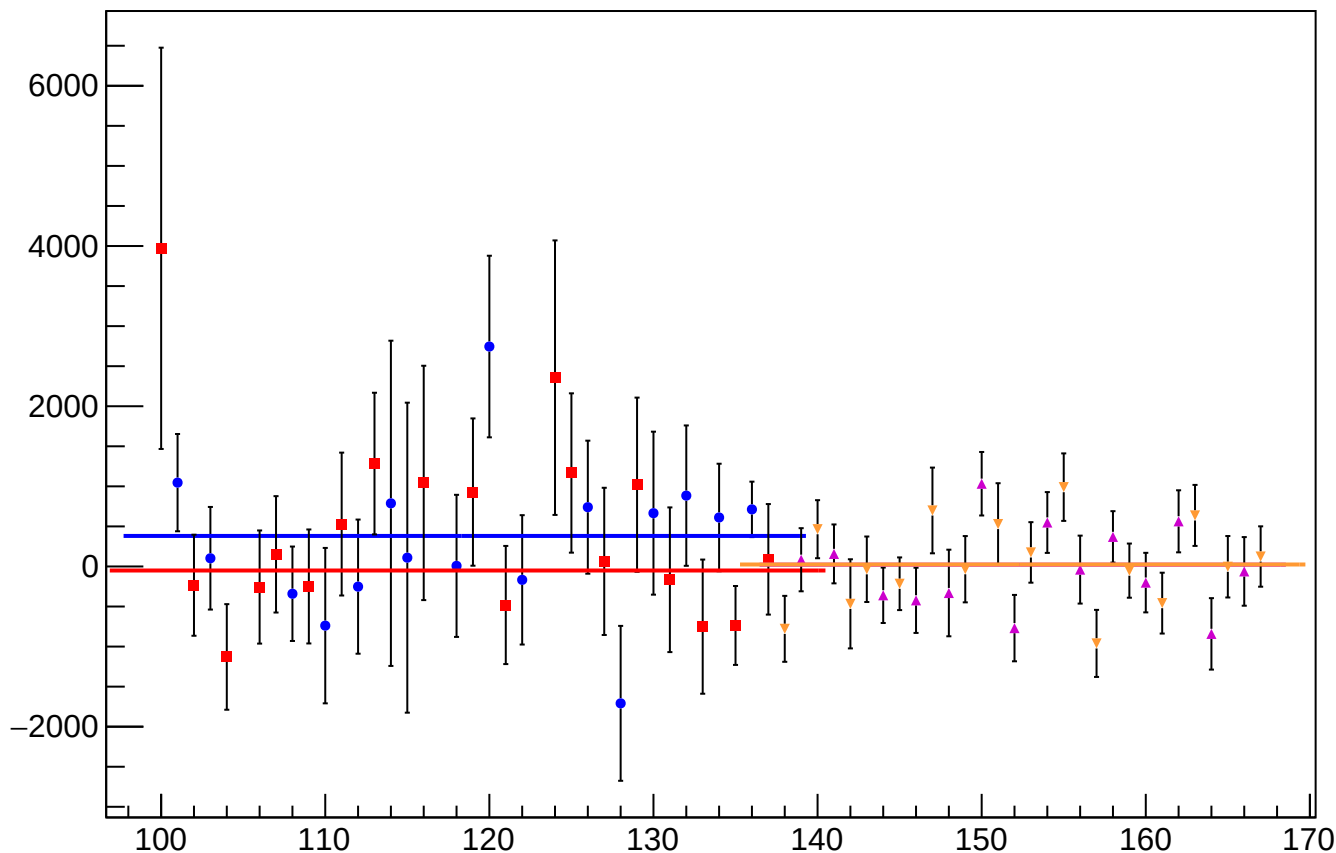
Left In: 352.959 $\pm$ 0.074 χ^2 /NDF: 240220.1/13

+ sign 378.068 $\pm$ 0.062 χ^2 /NDF: 1977205.6/31

All: 381.443 $\pm$ 0.044 χ^2 /NDF: 3831114.5/64

- sign 385.099 $\pm$ 0.064 χ^2 /NDF: 1847667.3/32

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086 ± 182.655 χ^2/NDF : 16.1/15

Left Out: 24.607 ± 100.022 χ^2/NDF : 24.5/15

Right Out: -50.392 ± 185.262 χ^2/NDF : 17.5/18

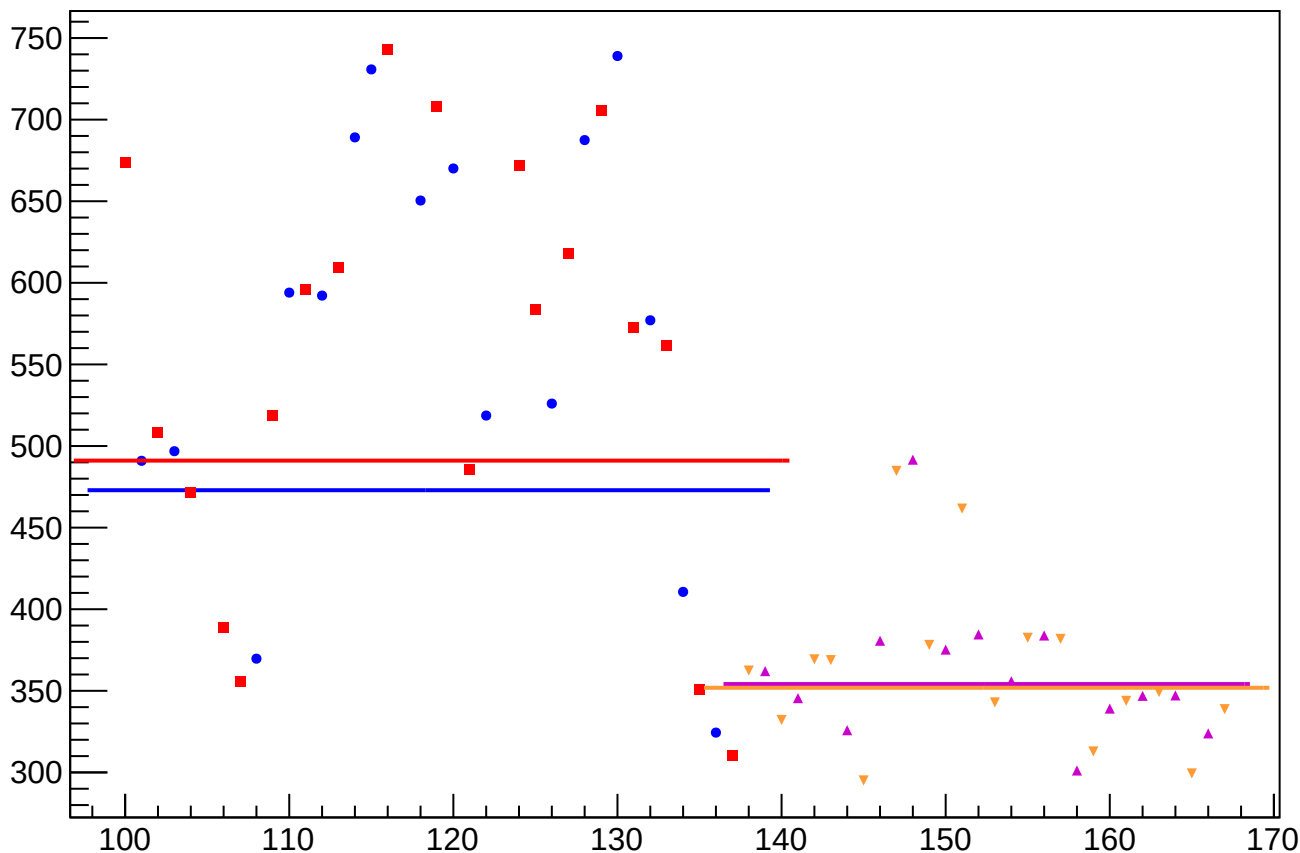
Left In: 22.286 ± 105.155 χ^2/NDF : 22.4/13

+ sign 106.843 ± 87.730 χ^2/NDF : 43.6/31

All: 57.832 ± 63.309 χ^2/NDF : 84.2/64

- sign 4.576 ± 91.450 χ^2/NDF : 40.0/32

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924 $\pm$ 0.129 χ^2 /NDF: 1000274.3/15

Left Out: 351.877 $\pm$ 0.071 χ^2 /NDF:386044.2/15

Right Out: 491.063 $\pm$ 0.131 χ^2 /NDF: 847493.6/18

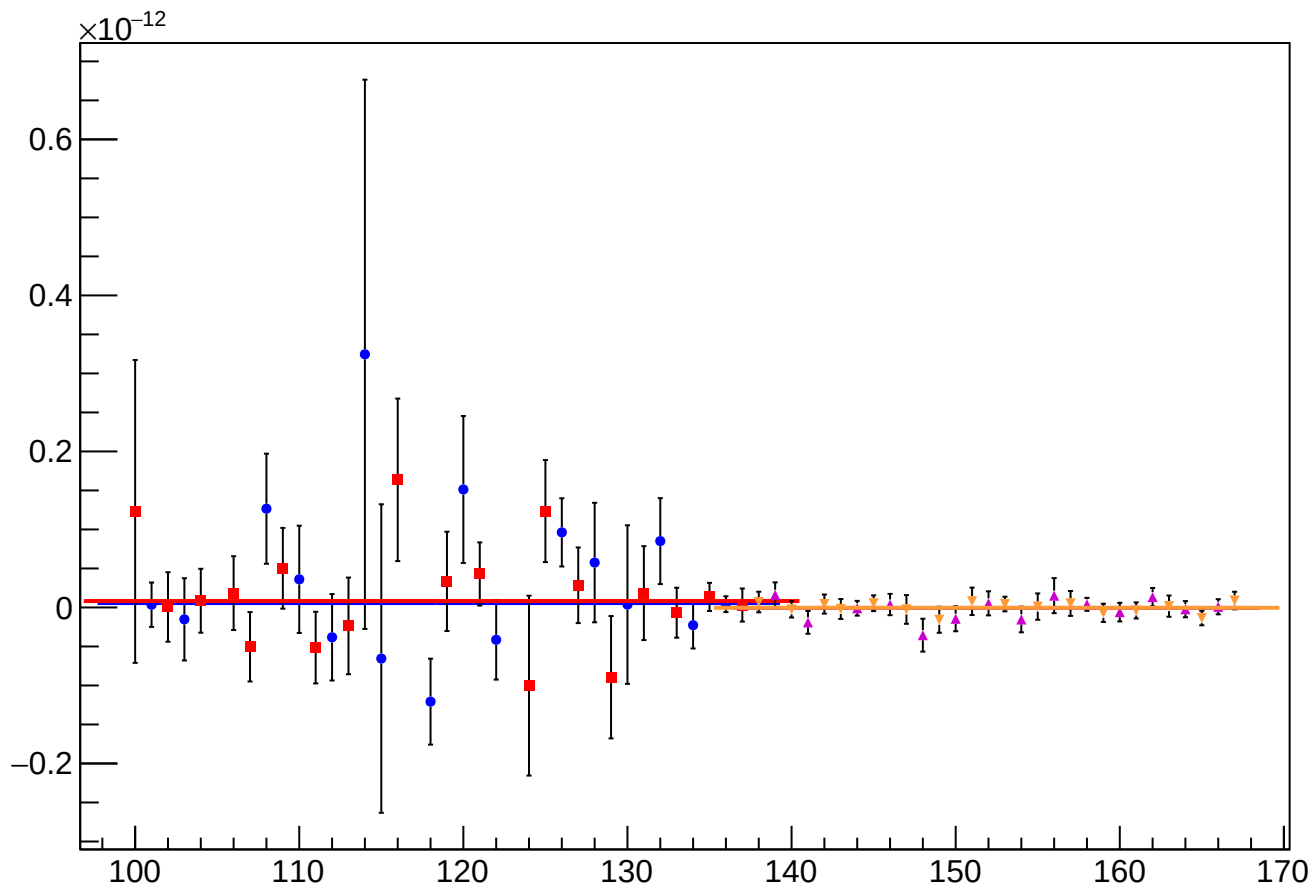
Left In: 354.145 $\pm$ 0.074 χ^2 /NDF:248456.3/13

+ sign 379.801 $\pm$ 0.062 χ^2 /NDF: 2062058.8/31

All: 383.494 $\pm$ 0.045 χ^2 /NDF: 3991612.4/64

- sign 387.508 $\pm$ 0.065 χ^2 /NDF: 1922157.4/32

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: 5.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/18

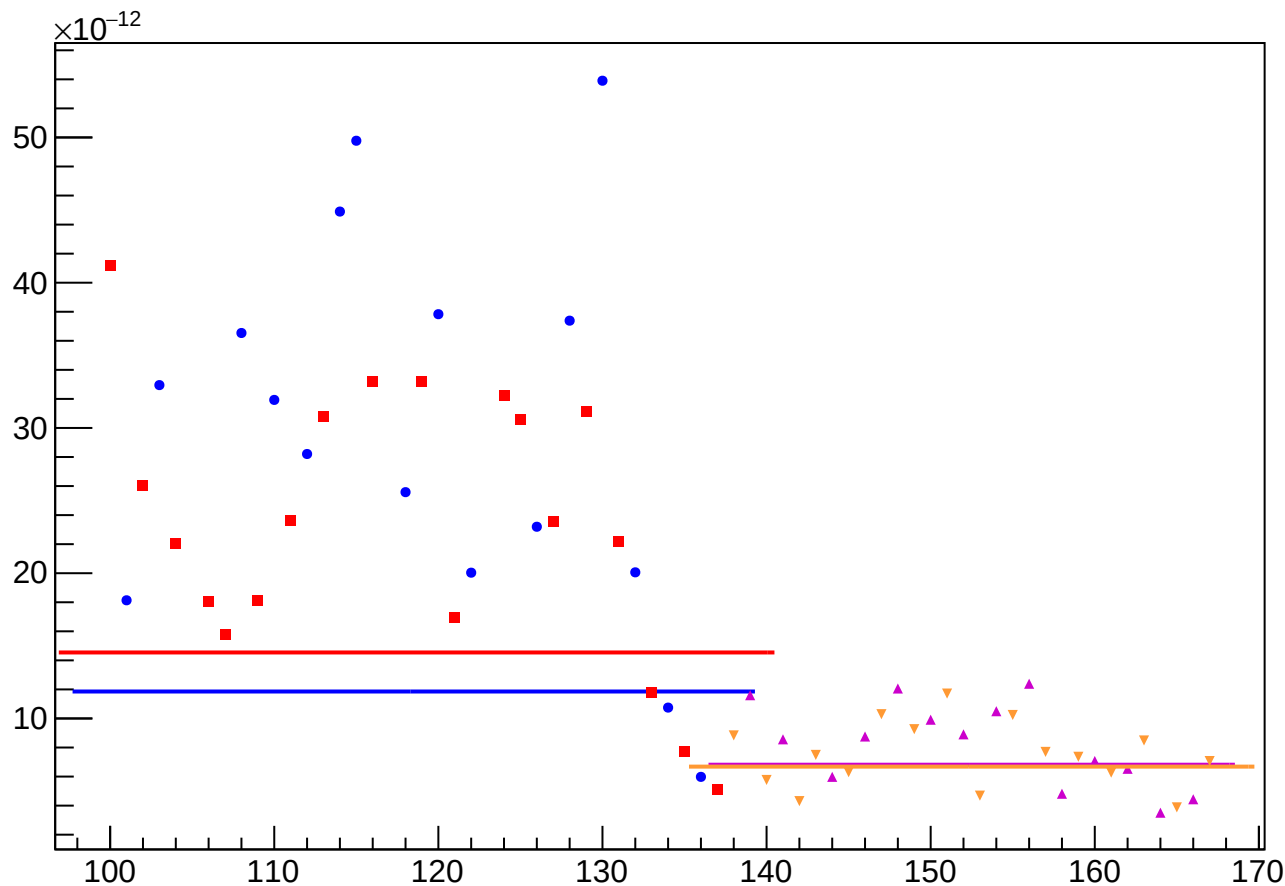
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.6/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/32

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2848478.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:862390.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1769864.5/18

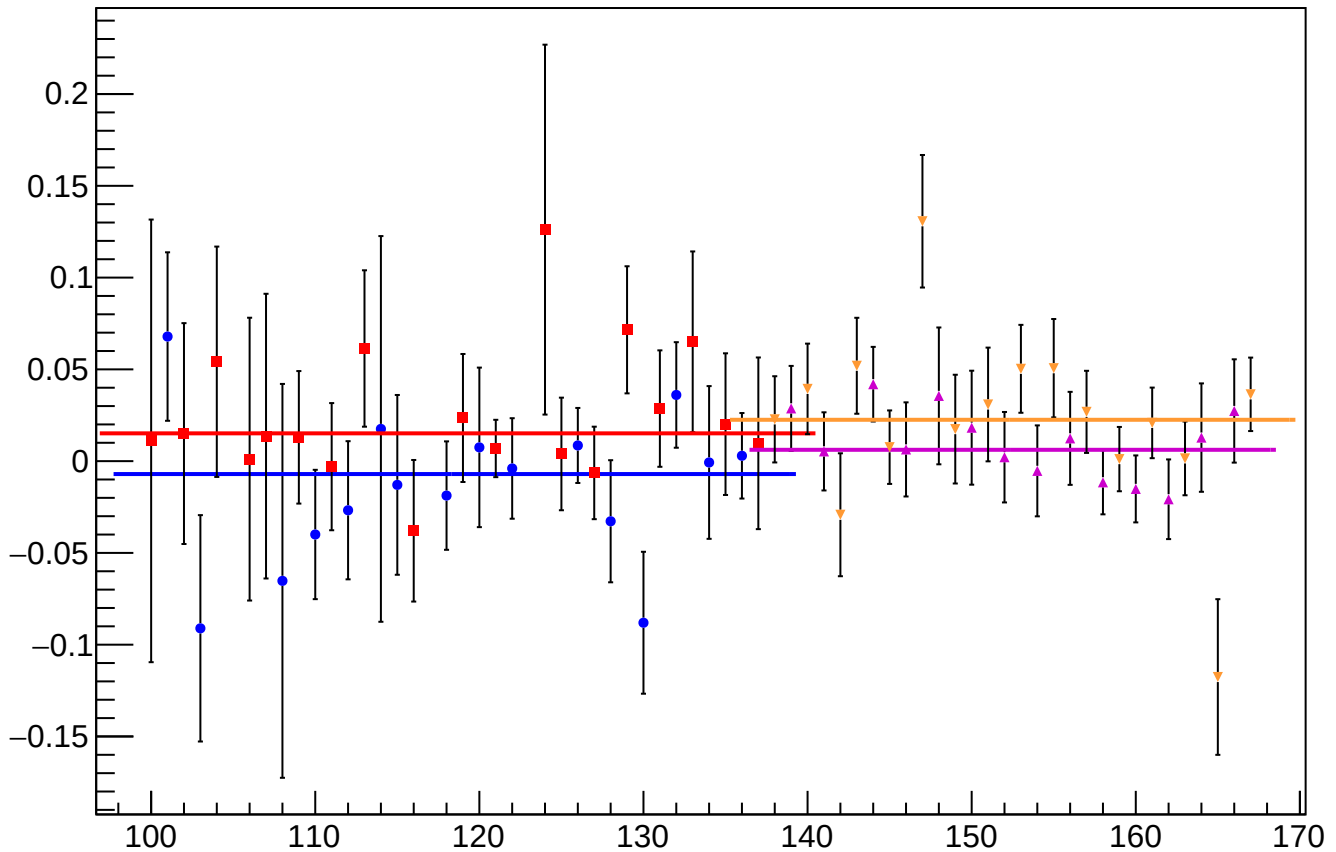
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1162830.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4424293.7/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8598013.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4158181.8/32

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 χ^2/NDF : 14.3/15

Left Out: 0.023 ± 0.006 χ^2/NDF : 30.2/15

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

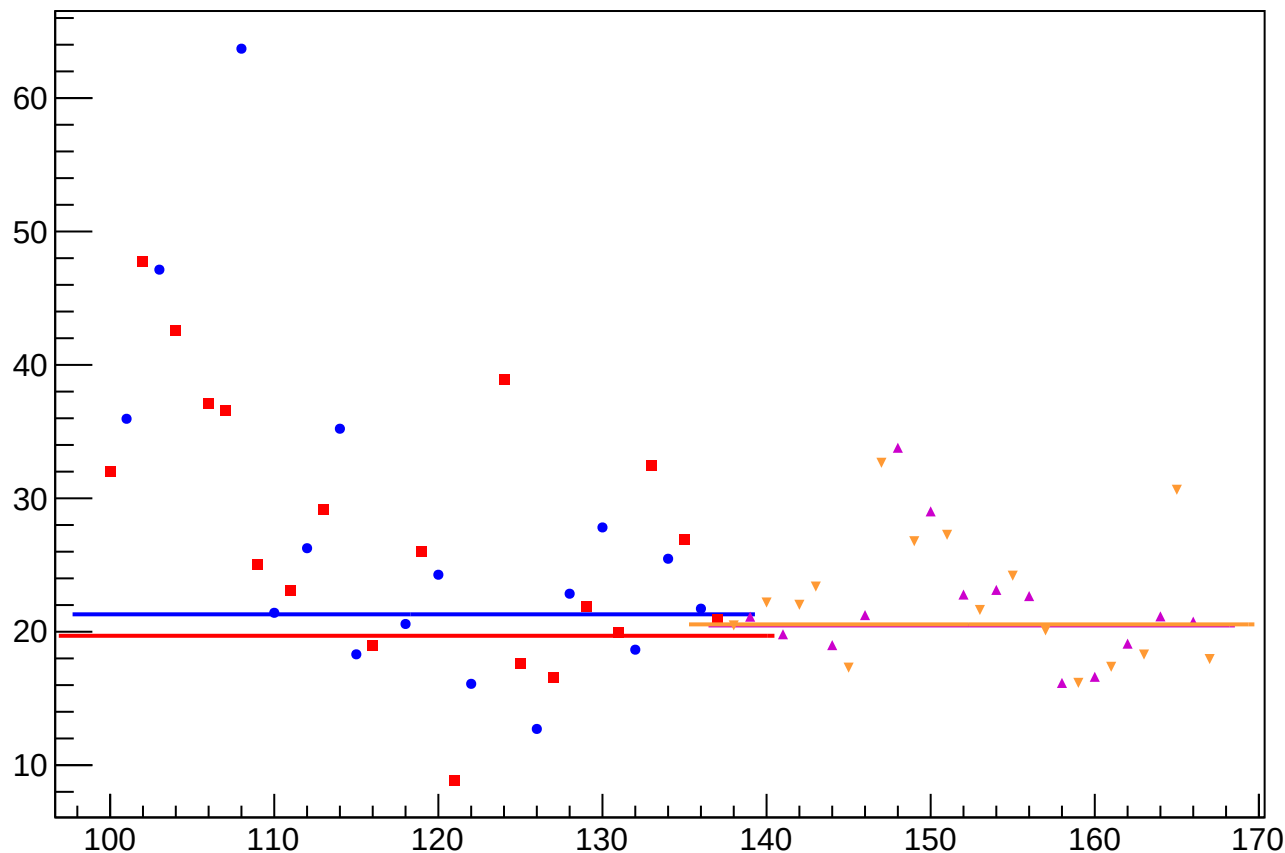
Left In: 0.006 ± 0.006 χ^2/NDF : 9.7/13

+ sign 0.013 ± 0.005 χ^2/NDF : 52.5/31

All: 0.011 ± 0.004 χ^2/NDF : 73.2/64

- sign 0.009 ± 0.005 χ^2/NDF : 20.5/32

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: 20.551 $\pm$ 0.004 χ^2 /NDF: 890225.3/15

Right Out: 19.697 $\pm$ 0.006 χ^2 /NDF: 2438979.3/18

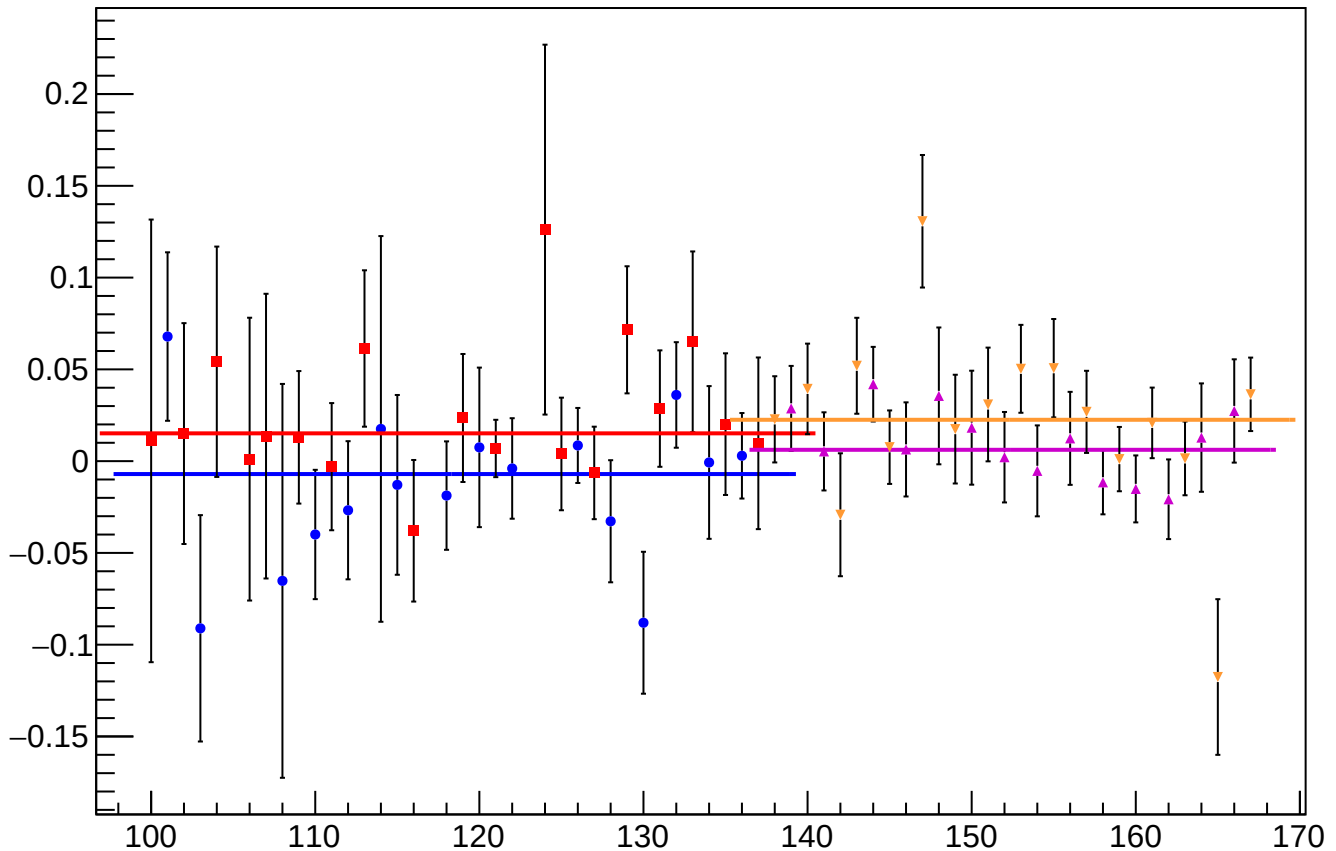
Left In: 20.471 $\pm$ 0.004 χ^2 /NDF: 698988.4/13

+ sign 20.797 $\pm$ 0.003 χ^2 /NDF: 2379940.0/31

All: 20.496 $\pm$ 0.002 χ^2 /NDF: 5544289.8/64

- sign 20.186 $\pm$ 0.004 χ^2 /NDF: 3149162.3/32

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: 0.023 ± 0.006 χ^2/NDF : 30.2/15

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

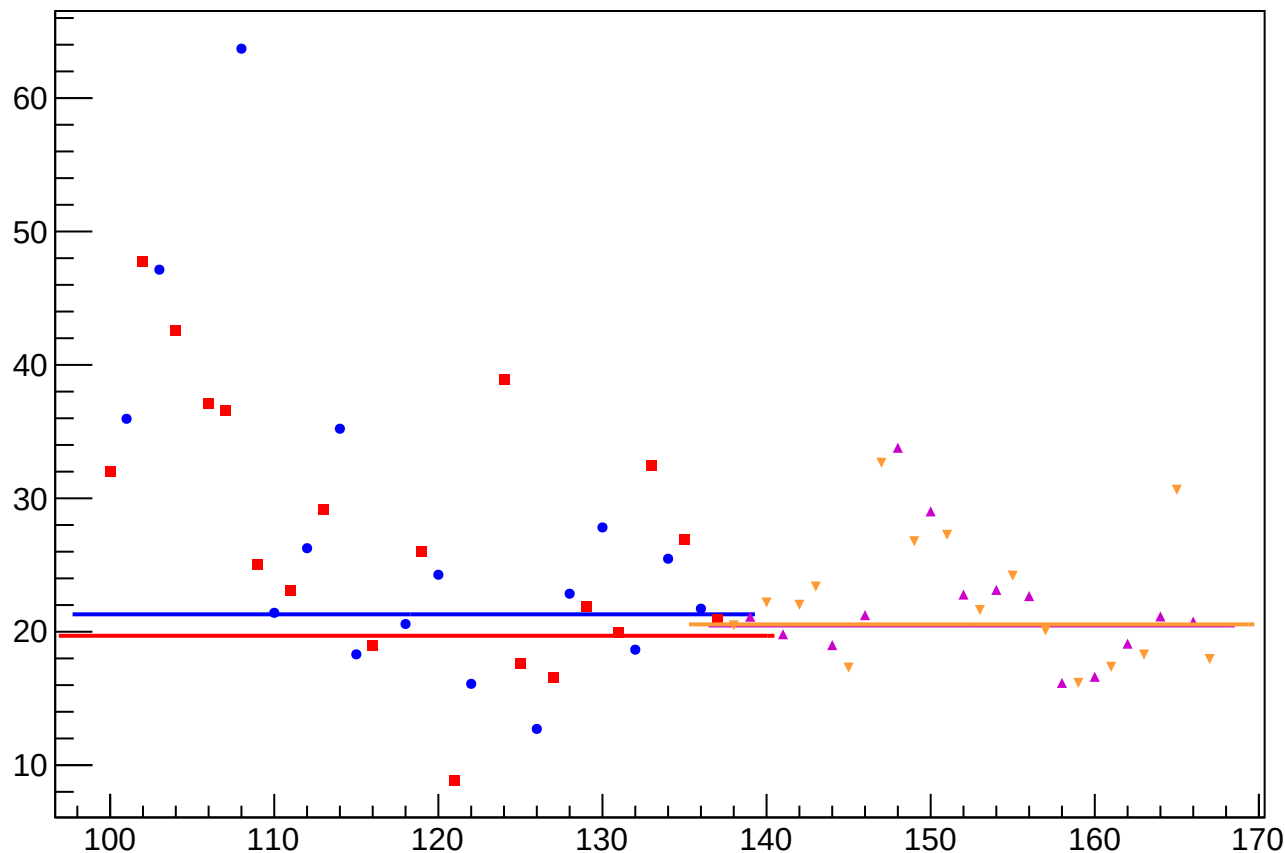
Left In: 0.006 ± 0.006 χ^2/NDF : 9.7/13

+ sign 0.013 ± 0.005 χ^2/NDF : 52.5/31

All: 0.011 ± 0.004 χ^2/NDF : 73.2/64

- sign 0.009 ± 0.005 χ^2/NDF : 20.5/32

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: 20.551 $\pm$ 0.004 χ^2 /NDF: 890225.3/15

Right Out: 19.697 $\pm$ 0.006 χ^2 /NDF: 2438979.3/18

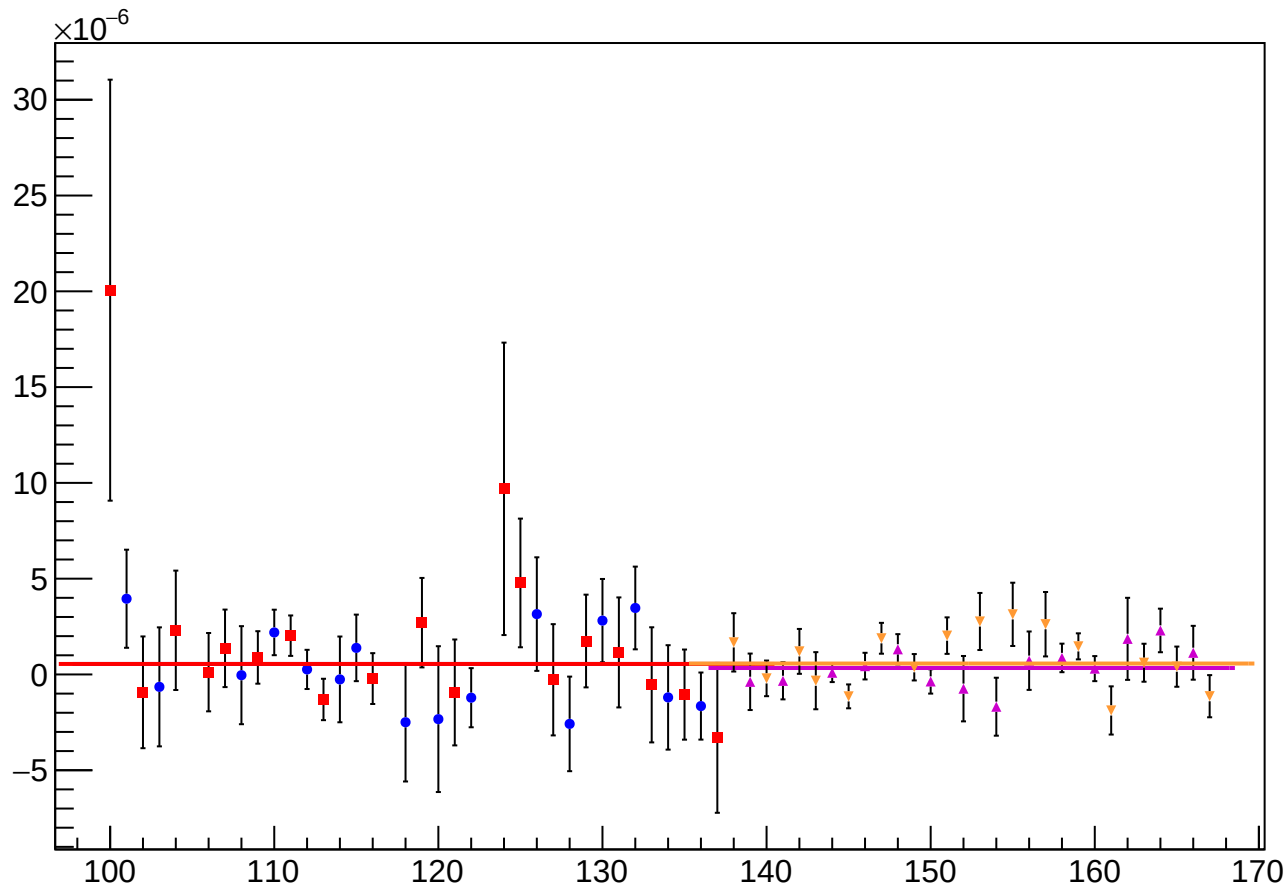
Left In: 20.471 $\pm$ 0.004 χ^2 /NDF: 698988.4/13

+ sign 20.797 $\pm$ 0.003 χ^2 /NDF: 2379940.0/31

All: 20.496 $\pm$ 0.002 χ^2 /NDF: 5544289.8/64

- sign 20.186 $\pm$ 0.004 χ^2 /NDF: 3149162.3/32

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:28.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/18

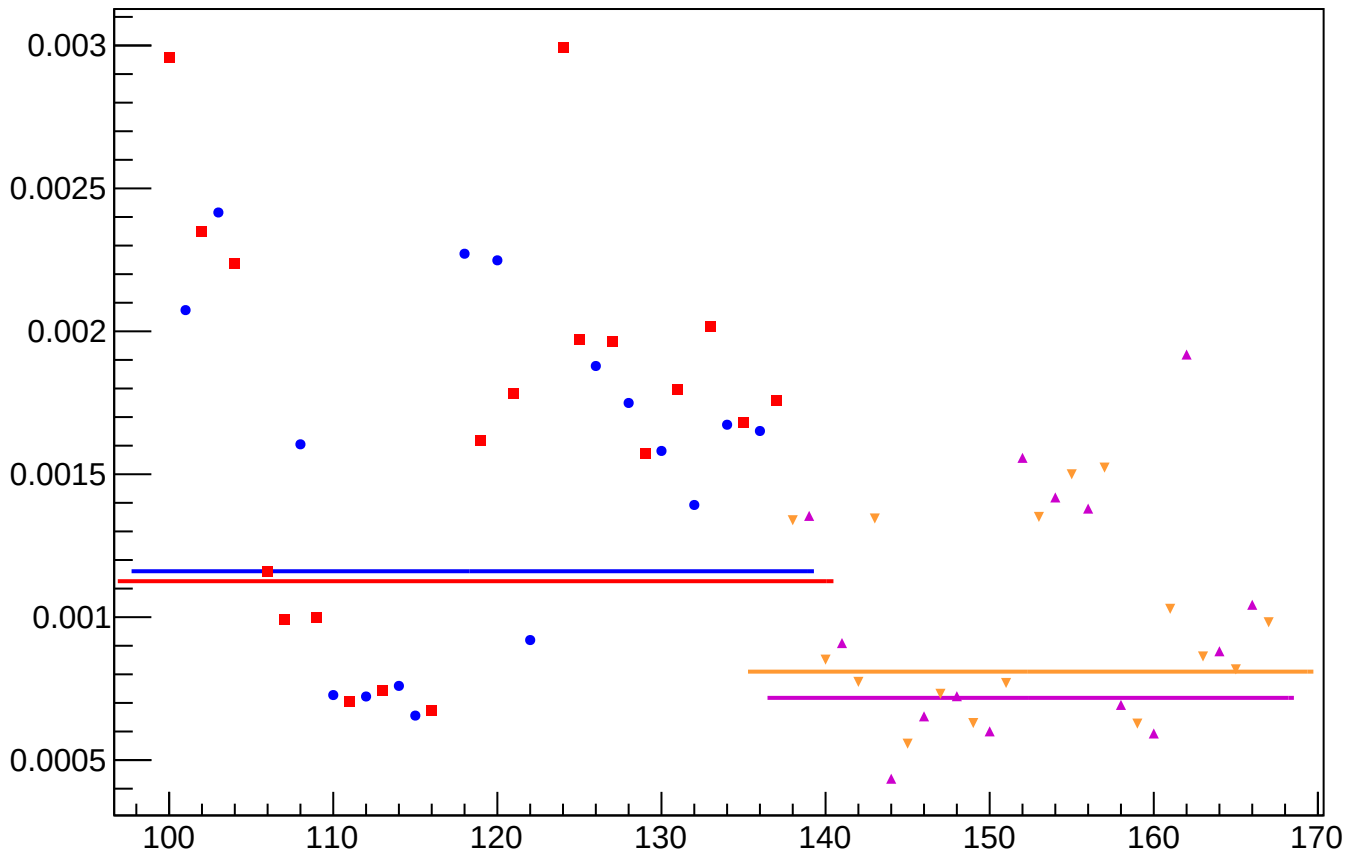
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.8/32

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 : 2224387.5/15

Right Out: 0.001+/-0.000 χ^2/NDF : 2623987.9/18

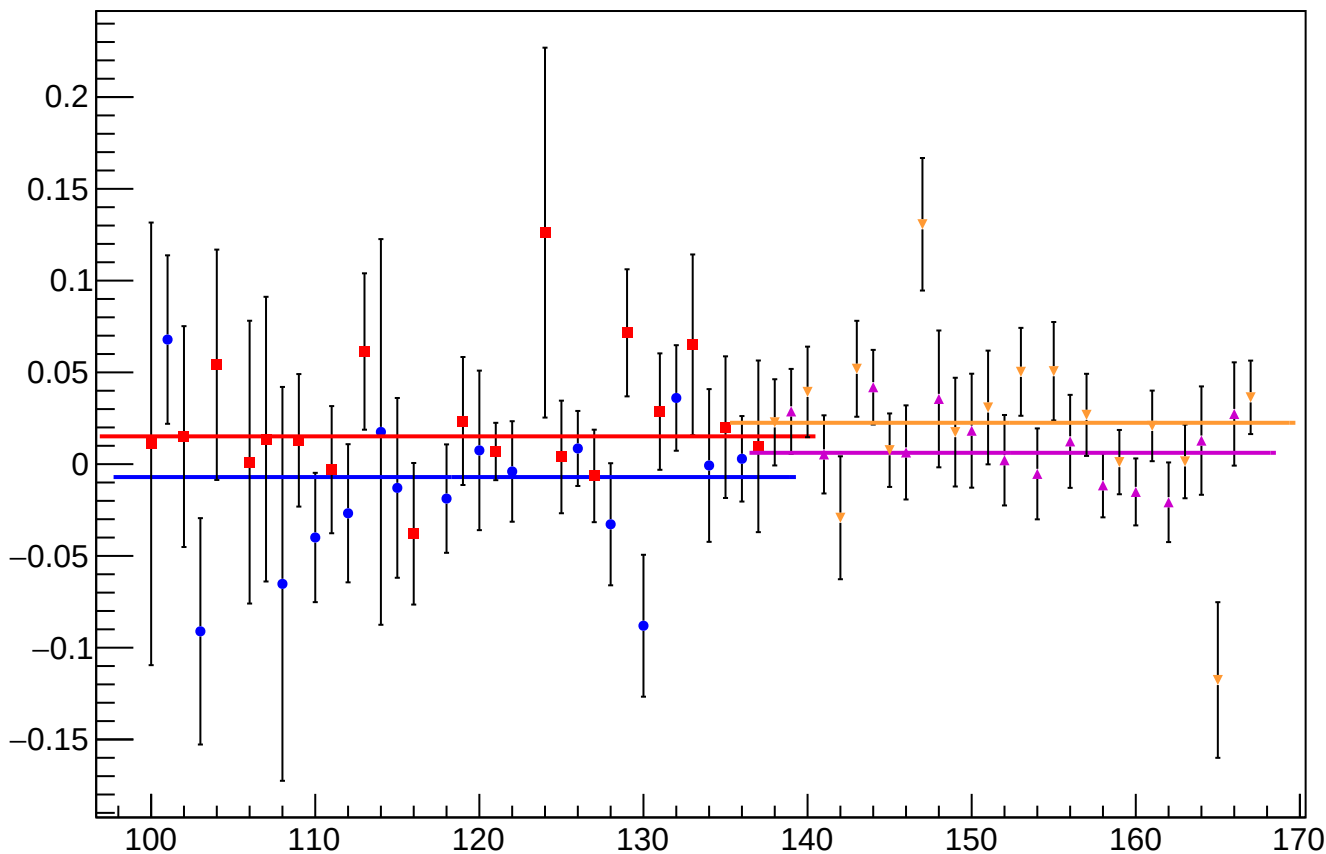
Left In: 0.001+/-0.000 χ^2/NDF : 3347880.6/13

+ sign 0.001+/-0.000 χ^2/NDF : 5613509.4/31

All: 0.001+/-0.000 χ^2/NDF : 12995755.3/64

- sign 0.001+/-0.000 χ^2/NDF : 7234918.0/32

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 χ^2/NDF : 14.3/15

Left Out: 0.023 ± 0.006 χ^2/NDF : 30.2/15

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

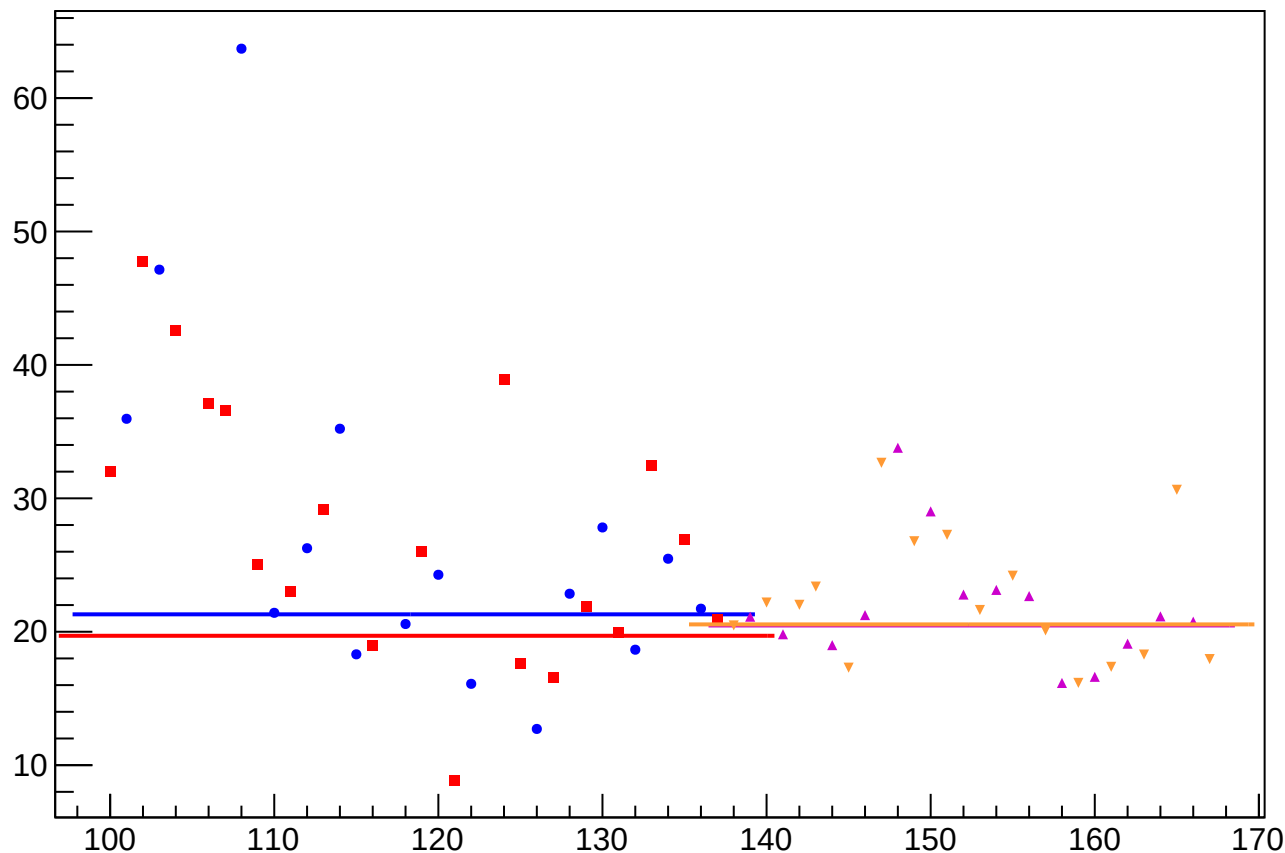
Left In: 0.006 ± 0.006 χ^2/NDF : 9.7/13

+ sign 0.013 ± 0.005 χ^2/NDF : 52.5/31

All: 0.011 ± 0.004 χ^2/NDF : 73.2/64

- sign 0.009 ± 0.005 χ^2/NDF : 20.5/32

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: 20.551 $\pm$ 0.004 χ^2 /NDF: 890374.8/15

Right Out: 19.698 $\pm$ 0.006 χ^2 /NDF: 2438612.4/18

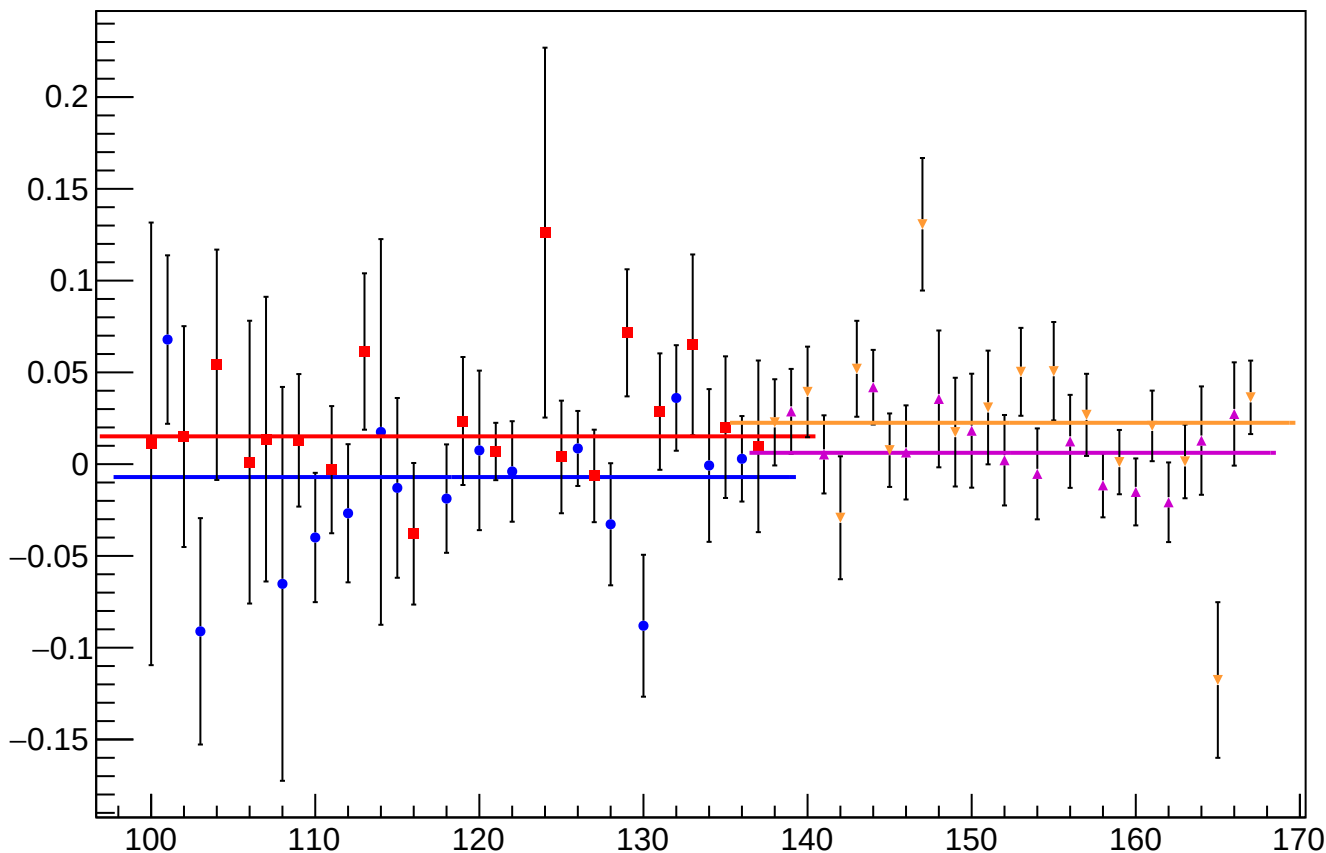
Left In: 20.471 $\pm$ 0.004 χ^2 /NDF: 699103.9/13

+ sign 20.797 $\pm$ 0.003 χ^2 /NDF: 2379934.0/31

All: 20.496 $\pm$ 0.002 χ^2 /NDF: 5544001.9/64

- sign 20.186 $\pm$ 0.004 χ^2 /NDF: 3148888.9/32

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: 0.023 ± 0.006 χ^2/NDF : 30.2/15

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

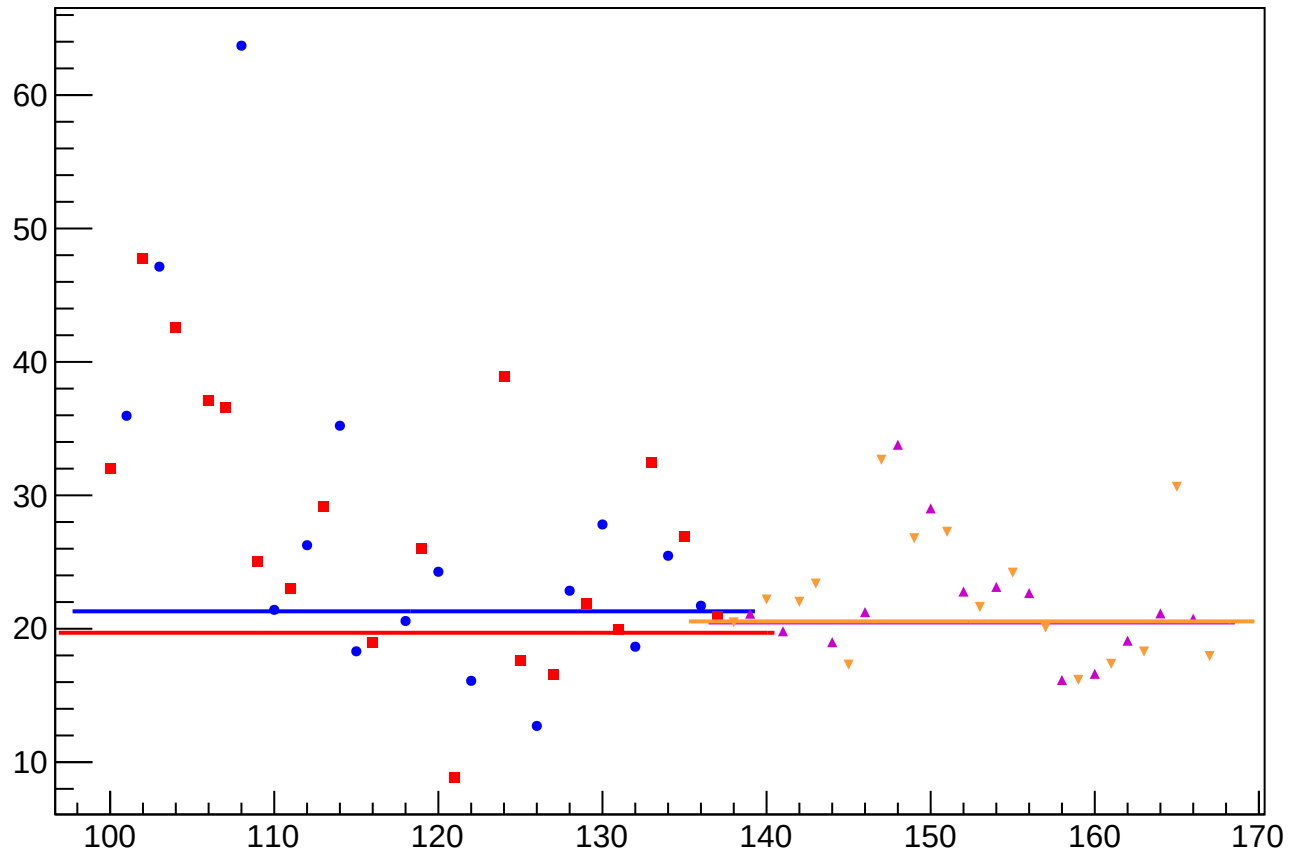
Left In: 0.006 ± 0.006 χ^2/NDF : 9.7/13

+ sign 0.013 ± 0.005 χ^2/NDF : 52.5/31

All: 0.011 ± 0.004 χ^2/NDF : 73.2/64

- sign 0.009 ± 0.005 χ^2/NDF : 20.5/32

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: 20.551 $\pm$ 0.004 χ^2 /NDF: 890374.8/15

Right Out: 19.698 $\pm$ 0.006 χ^2 /NDF: 2438612.4/18

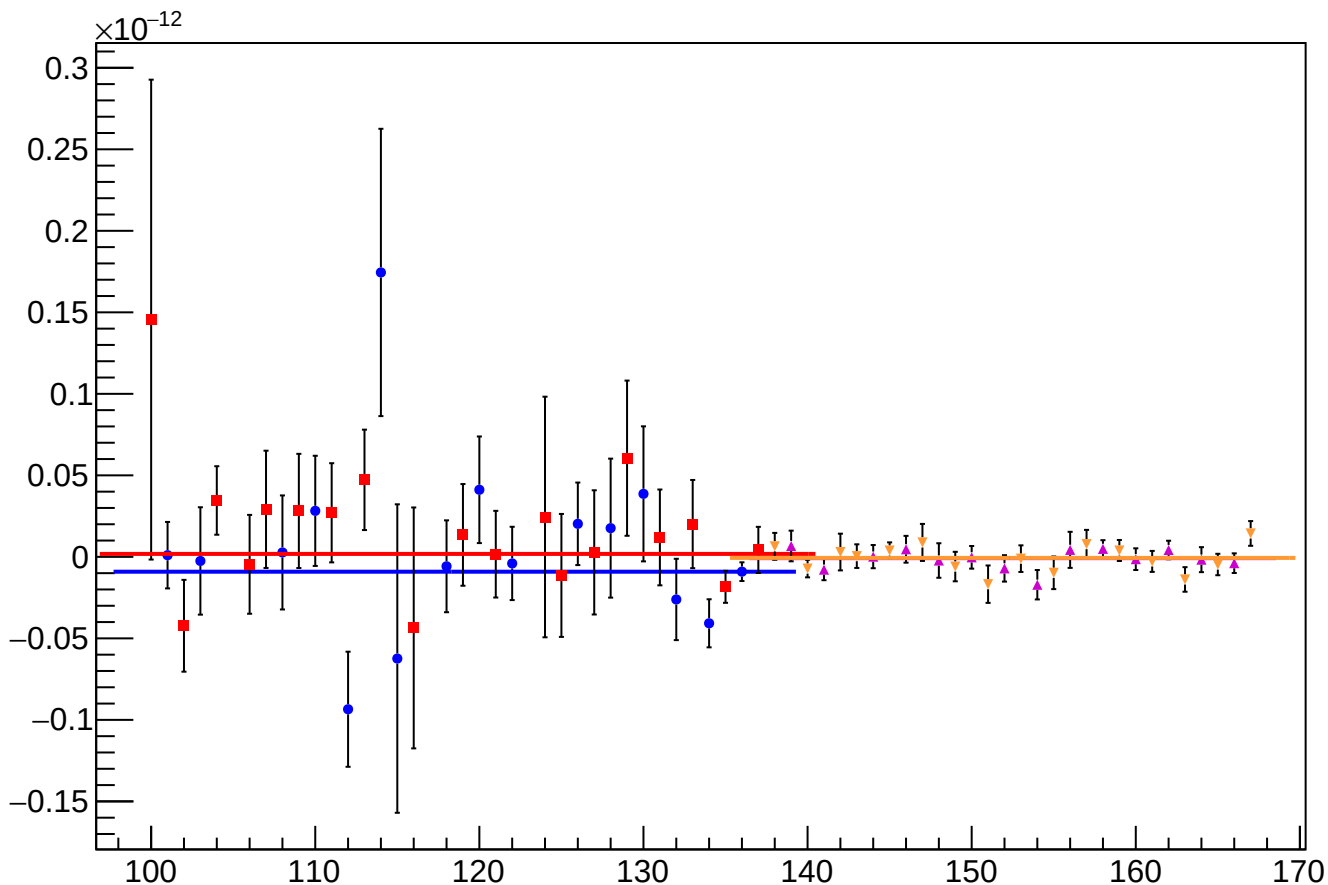
Left In: 20.471 $\pm$ 0.004 χ^2 /NDF: 699103.9/13

+ sign 20.797 $\pm$ 0.003 χ^2 /NDF: 2379934.0/31

All: 20.496 $\pm$ 0.002 χ^2 /NDF: 5544001.9/64

- sign 20.186 $\pm$ 0.004 χ^2 /NDF: 3148888.9/32

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:15.9/15

Right Out: 0.000+/-0.000 χ^2 /NDF: 17.0/18

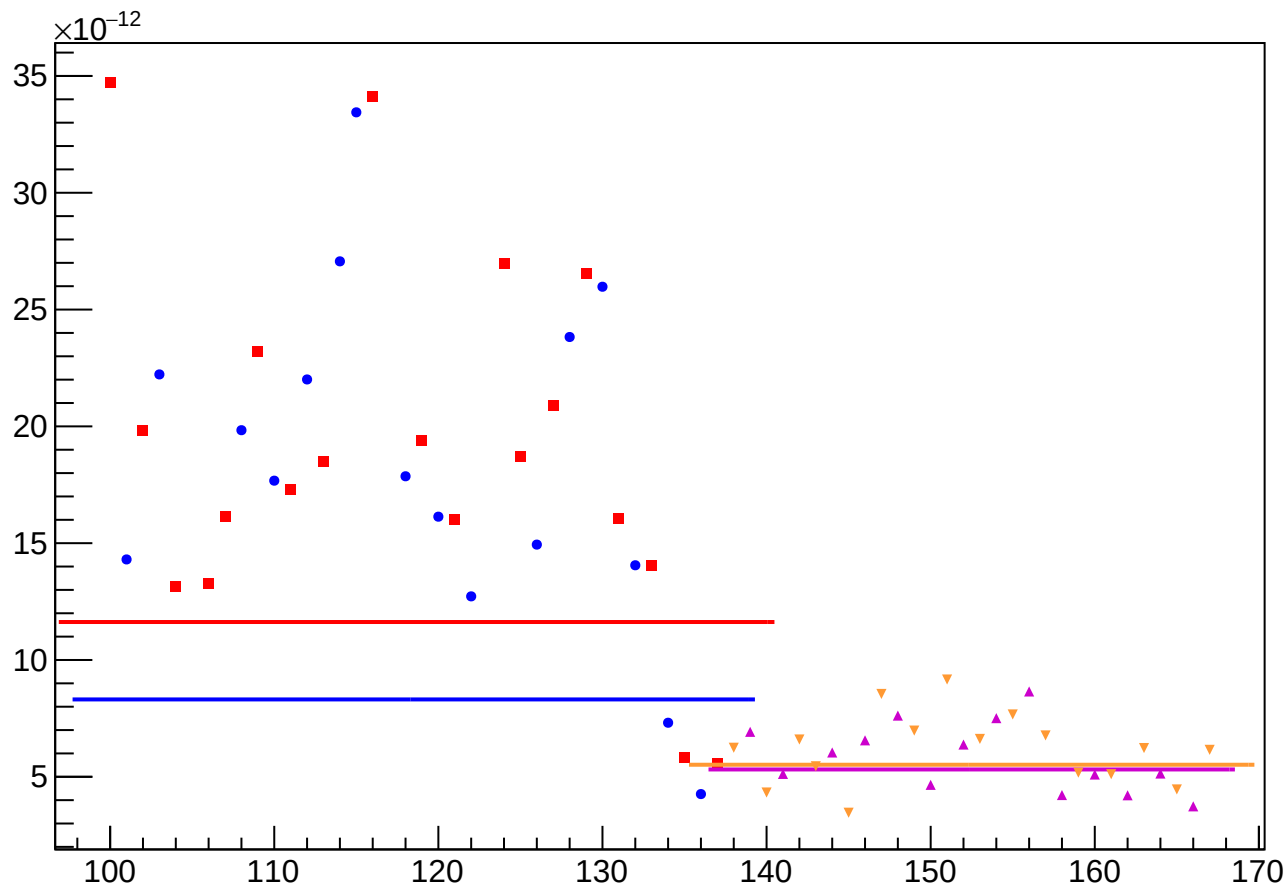
Left In: -0.000+/-0.000 χ^2 /NDF:8.6/13

+ sign -0.000+/-0.000 χ^2 /NDF: 41.5/31

All: -0.000+/-0.000 χ^2 /NDF: 67.6/64

- sign -0.000+/-0.000 χ^2 /NDF: 25.8/32

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1133159.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2610908.4/18

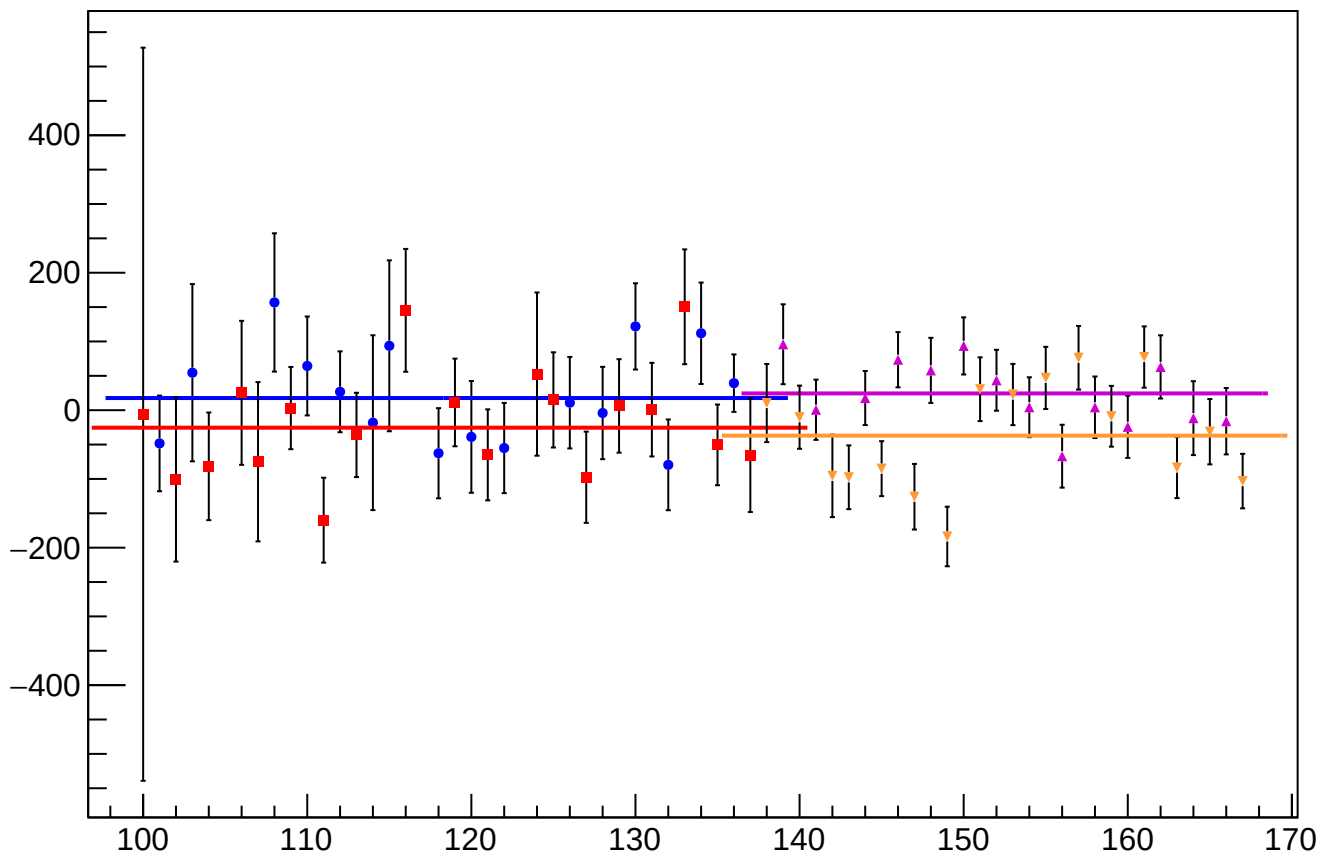
Left In: 0.000+/-0.000 χ^2/NDF : 876001.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 5525106.3/31

All: 0.000+/-0.000 χ^2/NDF : 11222945.5/64

- sign 0.000+/-0.000 χ^2/NDF : 5697319.8/32

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF : 13.9/15

Left Out: -36.993+/-11.437 χ^2/NDF : 44.3/15

Right Out: -25.440+/-17.337 χ^2/NDF : 17.8/18

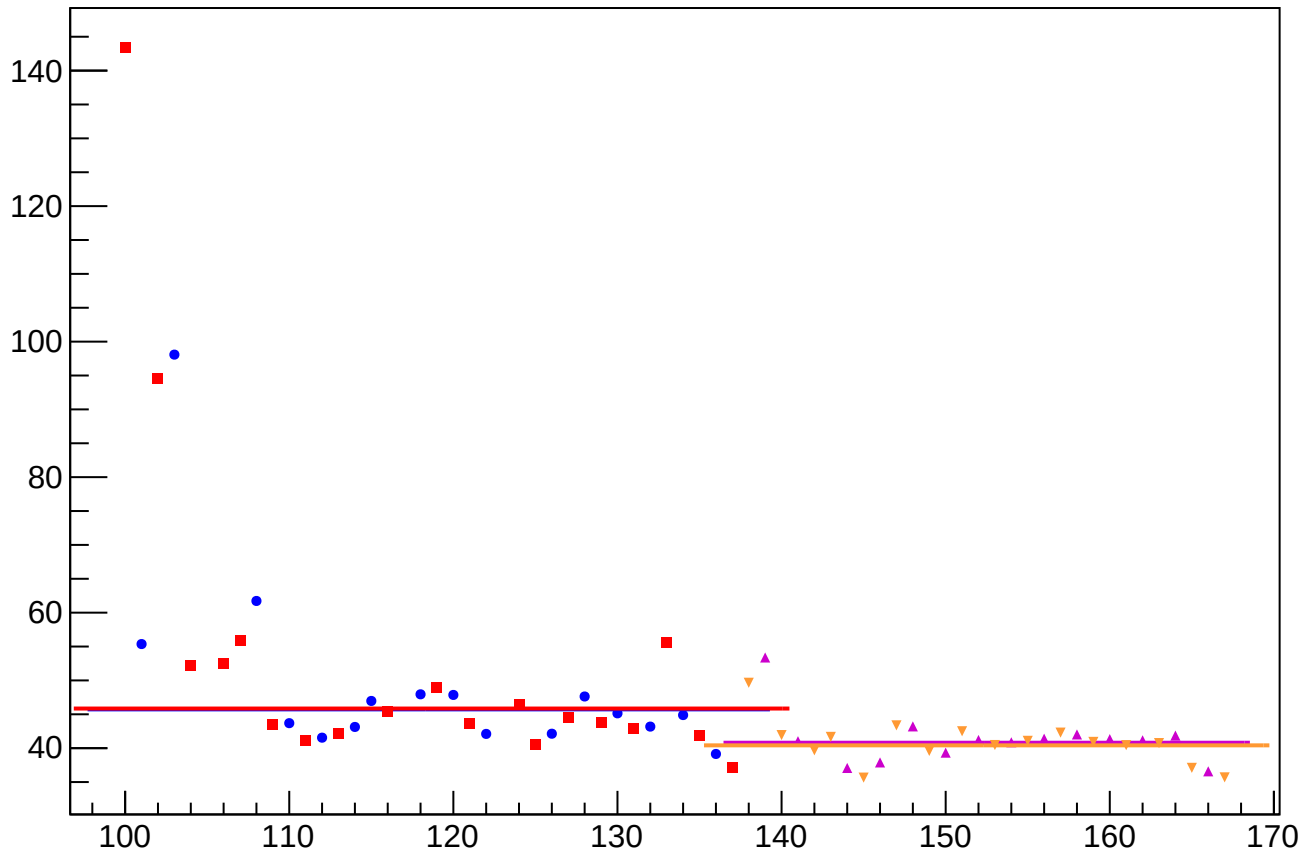
Left In: 24.409+/-12.077 χ^2/NDF : 14.2/13

+ sign -20.586+/-9.569 χ^2/NDF : 65.1/31

All: -6.733+/-6.883 χ^2/NDF : 107.1/64

- sign 8.123+/-9.909 χ^2/NDF : 37.6/32

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501460.7/15

Left Out: 40.416 $\pm$ 0.008 χ^2 /NDF: 139699.1/15

Right Out: 45.849 $\pm$ 0.012 χ^2 /NDF: 540156.7/18

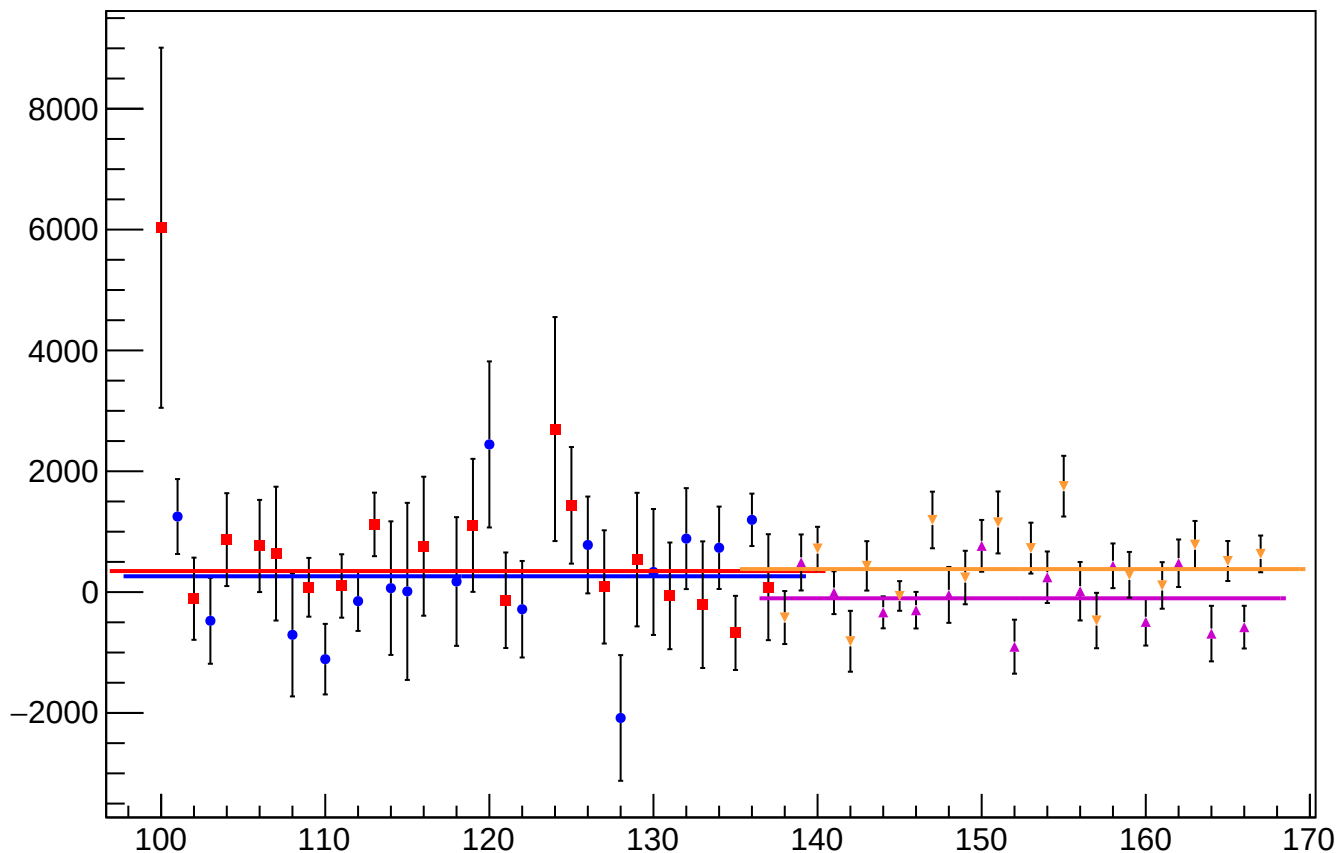
Left In: 40.803 $\pm$ 0.009 χ^2 /NDF: 148279.8/13

+ sign 42.009 $\pm$ 0.007 χ^2 /NDF: 770510.7/31

All: 42.223 $\pm$ 0.005 χ^2 /NDF: 1575104.7/64

- sign 42.451 $\pm$ 0.007 χ^2 /NDF: 802535.6/32

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: 381.246 $\pm$ 96.488 χ^2 /NDF:32.6/15

Right Out: 348.685 $\pm$ 180.682 χ^2 /NDF: 14.9/18

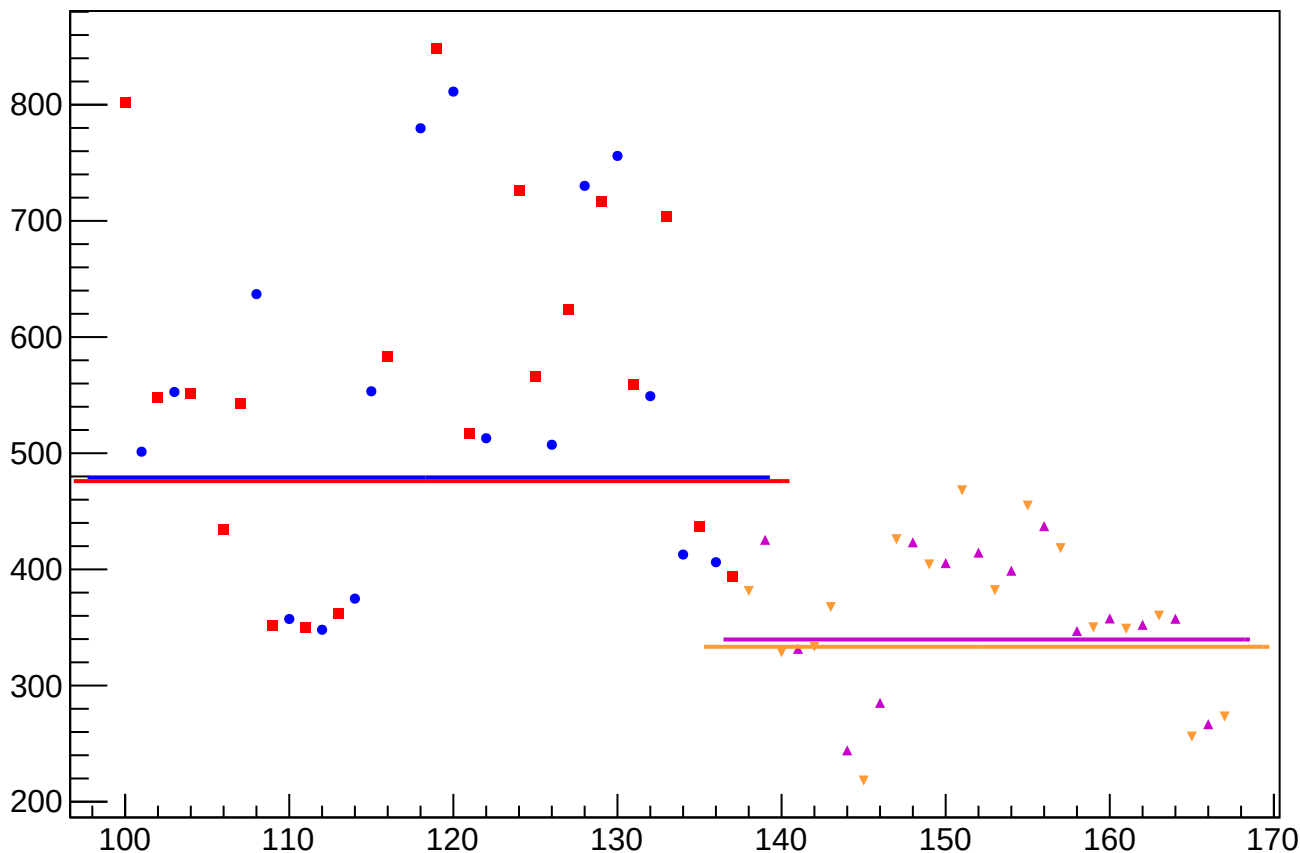
Left In: -102.622 $\pm$ 102.205 χ^2 /NDF:19.7/13

+ sign 355.779 $\pm$ 85.572 χ^2 /NDF: 57.9/31

All: 188.049 $\pm$ 61.671 χ^2 /NDF: 105.2/64

- sign 6.779 $\pm$ 88.959 χ^2 /NDF: 39.3/32

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178 $\pm$ 0.131 χ^2/NDF : 952693.7/15

Left Out: 333.362 $\pm$ 0.068 χ^2/NDF : 1161928.9/15

Right Out: 475.992 $\pm$ 0.128 χ^2/NDF : 1006487.7/18

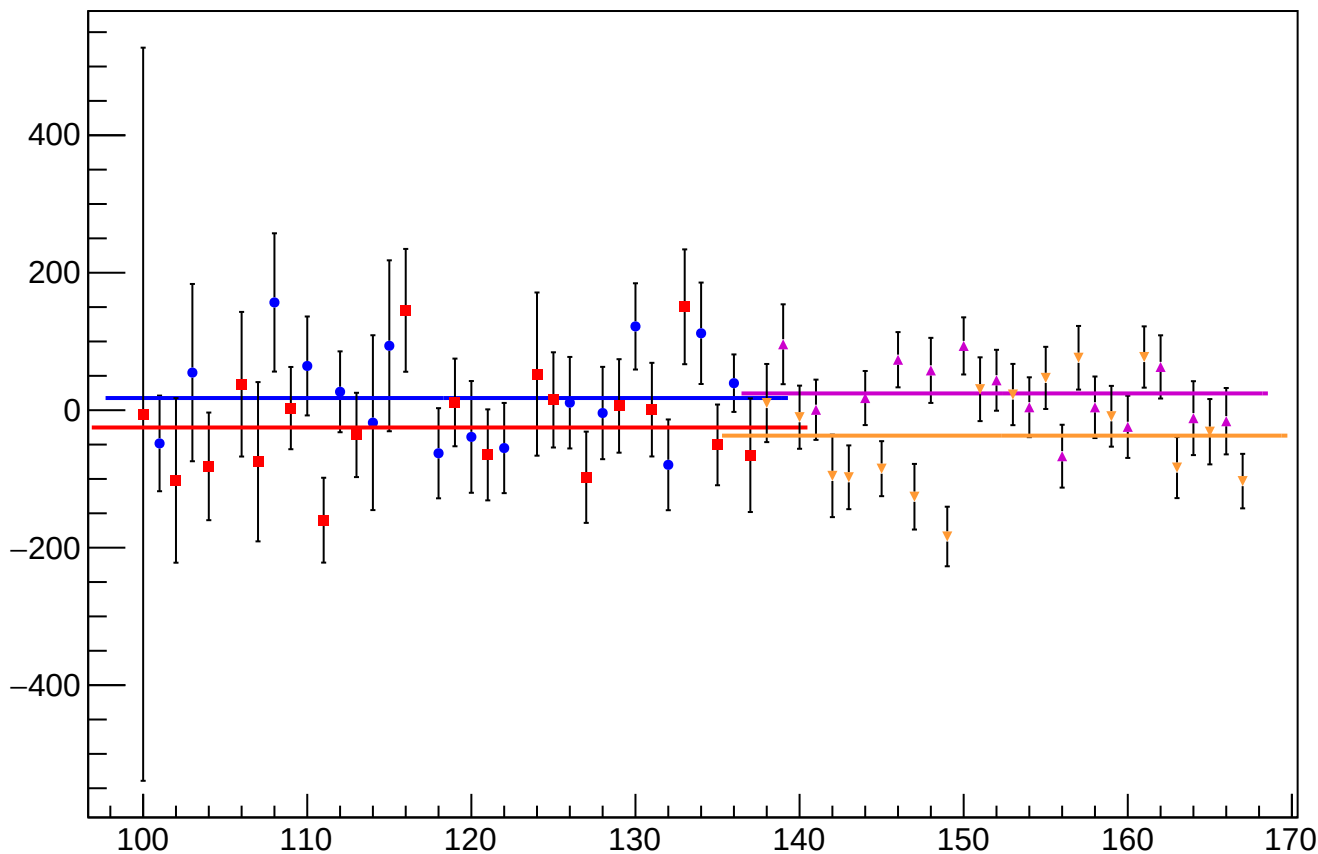
Left In: 339.646 $\pm$ 0.072 χ^2/NDF : 778482.5/13

+ sign 364.489 $\pm$ 0.061 χ^2/NDF : 3089659.5/31

All: 368.434 $\pm$ 0.044 χ^2/NDF : 5746292.5/64

- sign 372.697 $\pm$ 0.063 χ^2/NDF : 2647788.7/32

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706 ± 17.470 χ^2/NDF : 13.9/15

Left Out: -36.995 ± 11.437 χ^2/NDF : 44.3/15

Right Out: -25.145 ± 17.339 χ^2/NDF : 18.0/18

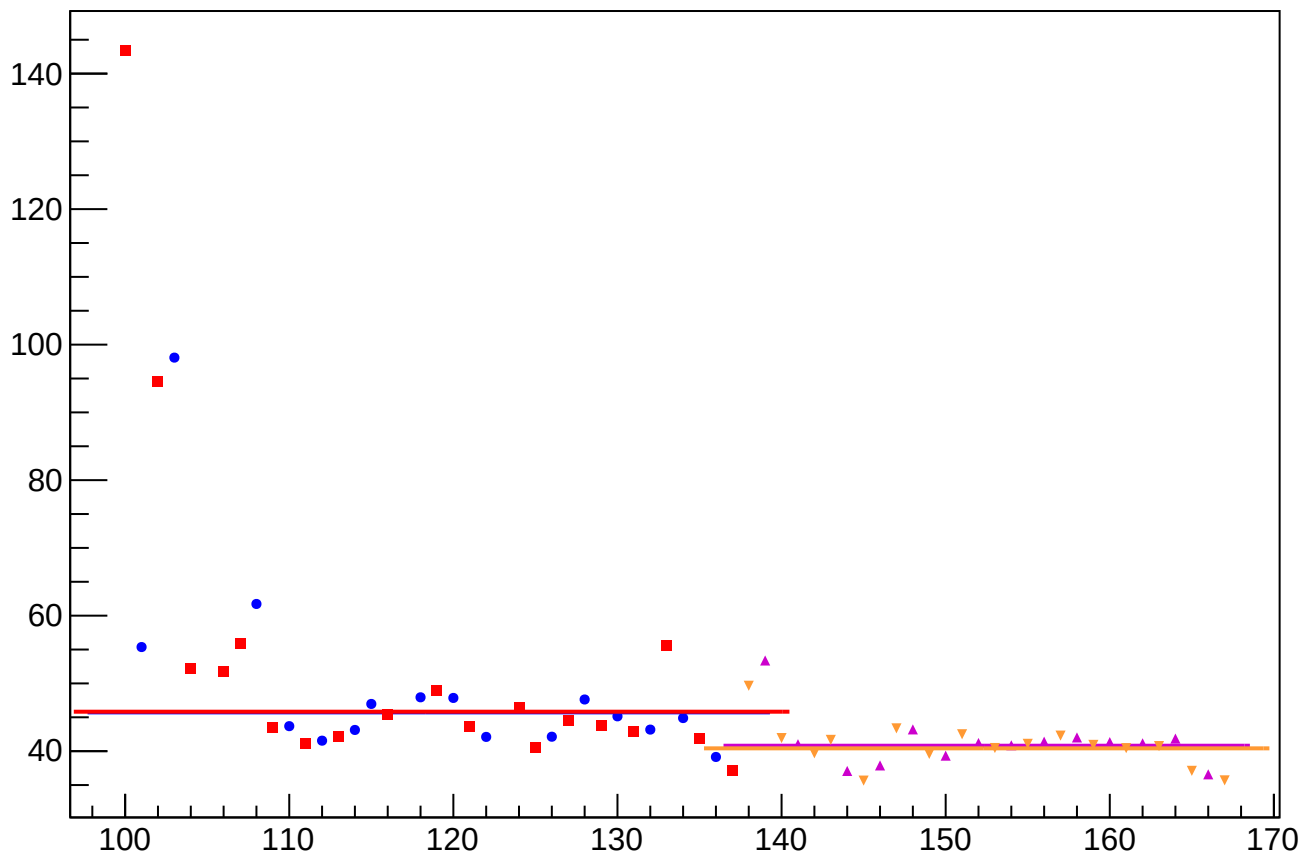
Left In: 24.410 ± 12.077 χ^2/NDF : 14.2/13

+ sign -20.585 ± 9.569 χ^2/NDF : 65.1/31

All: -6.685 ± 6.883 χ^2/NDF : 107.2/64

- sign 8.223 ± 9.910 χ^2/NDF : 37.7/32

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501463.8/15

Left Out: 40.416 $\pm$ 0.008 χ^2 /NDF: 139699.1/15

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

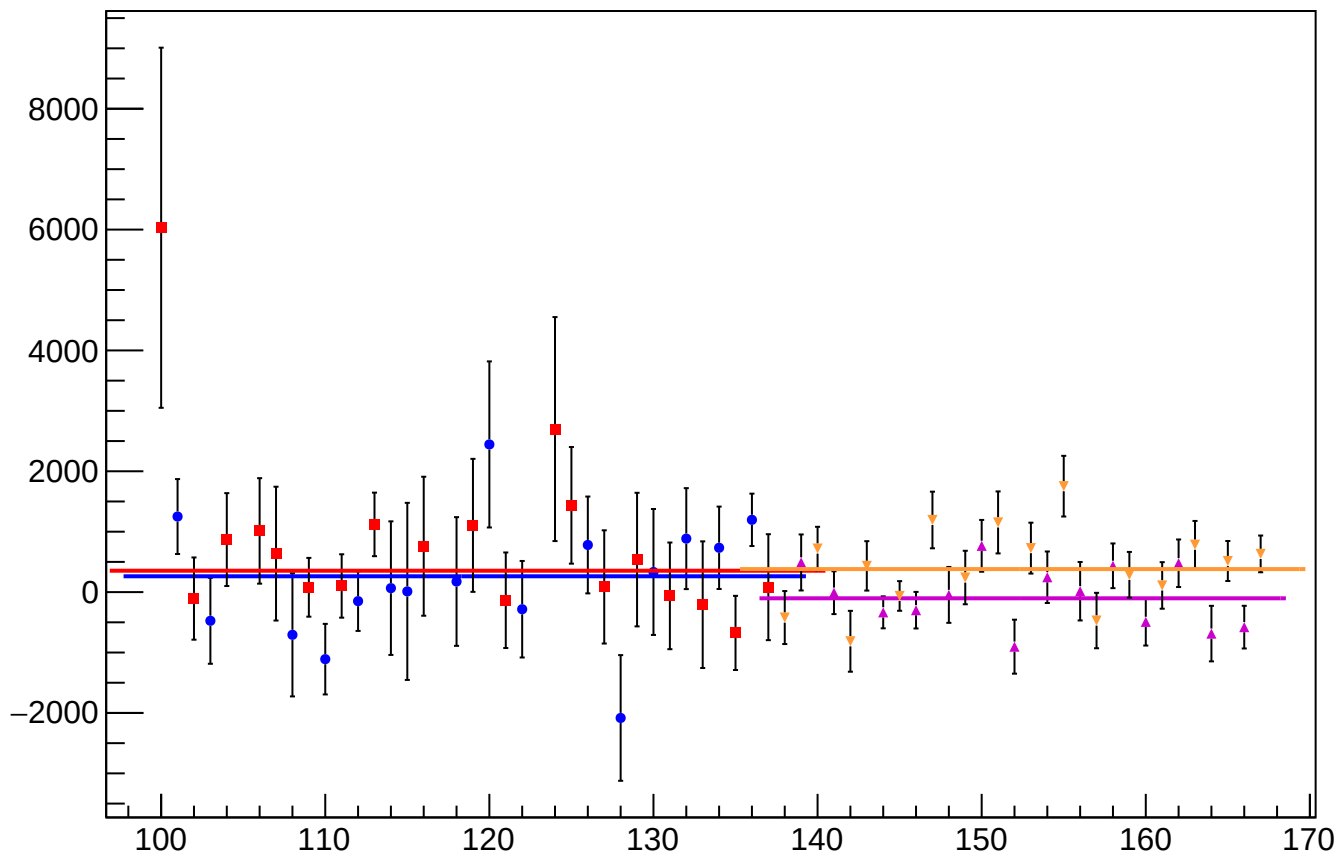
Left In: 40.803 $\pm$ 0.009 χ^2 /NDF: 148279.8/13

+ sign 42.009 $\pm$ 0.007 χ^2 /NDF: 770513.6/31

All: 42.219 $\pm$ 0.005 χ^2 /NDF: 1572250.4/64

- sign 42.443 $\pm$ 0.007 χ^2 /NDF: 799753.1/32

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: 381.244 $\pm$ 96.488 χ^2 /NDF:32.6/15

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

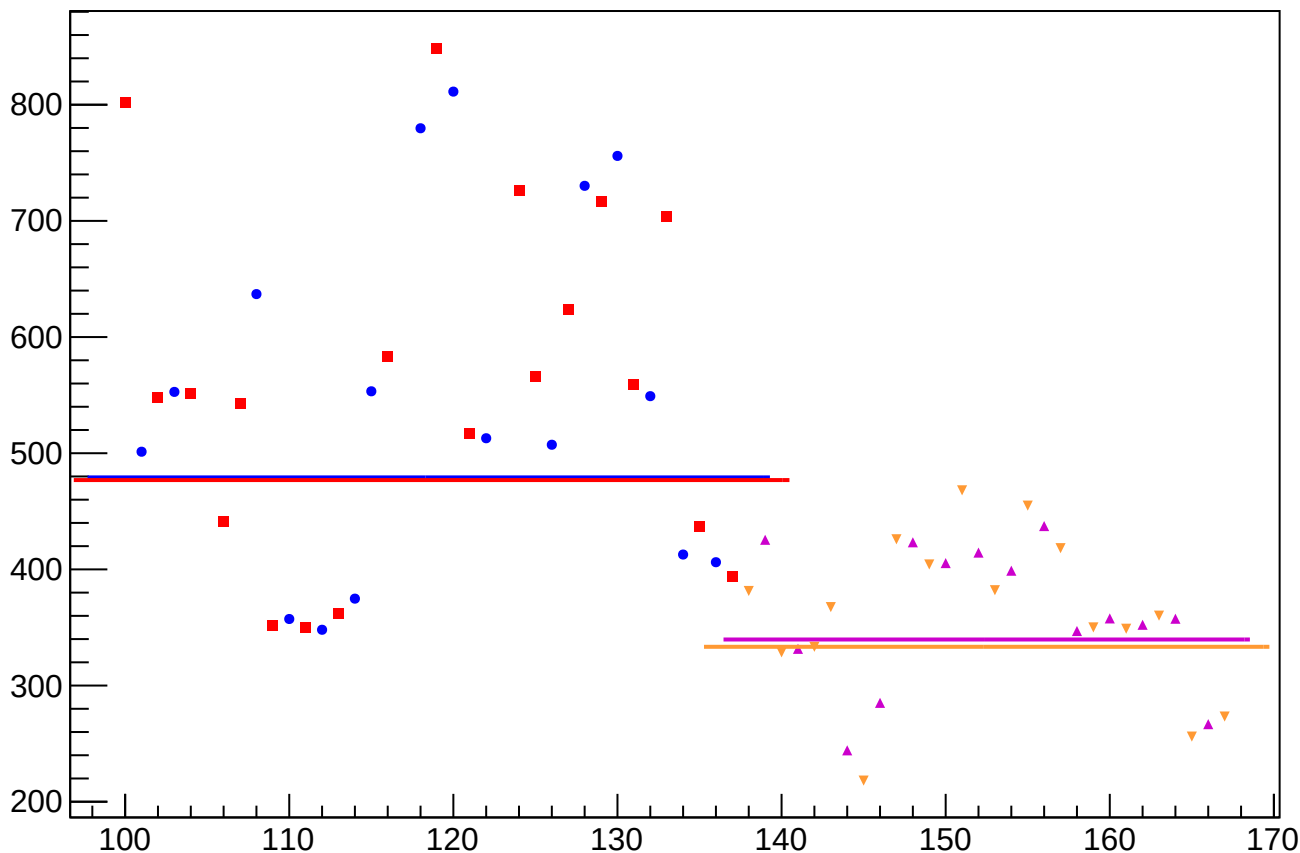
Left In: -102.622 $\pm$ 102.205 χ^2 /NDF:19.7/13

+ sign 355.778 $\pm$ 85.572 χ^2 /NDF: 57.9/31

All: 188.433 $\pm$ 61.719 χ^2 /NDF: 105.5/64

- sign 6.991 $\pm$ 89.104 χ^2 /NDF: 39.7/32

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: 333.362 $\pm$ 0.068 χ^2/NDF : 1161928.9/15

Right Out: 476.893 $\pm$ 0.129 χ^2/NDF : 1003767.4/18

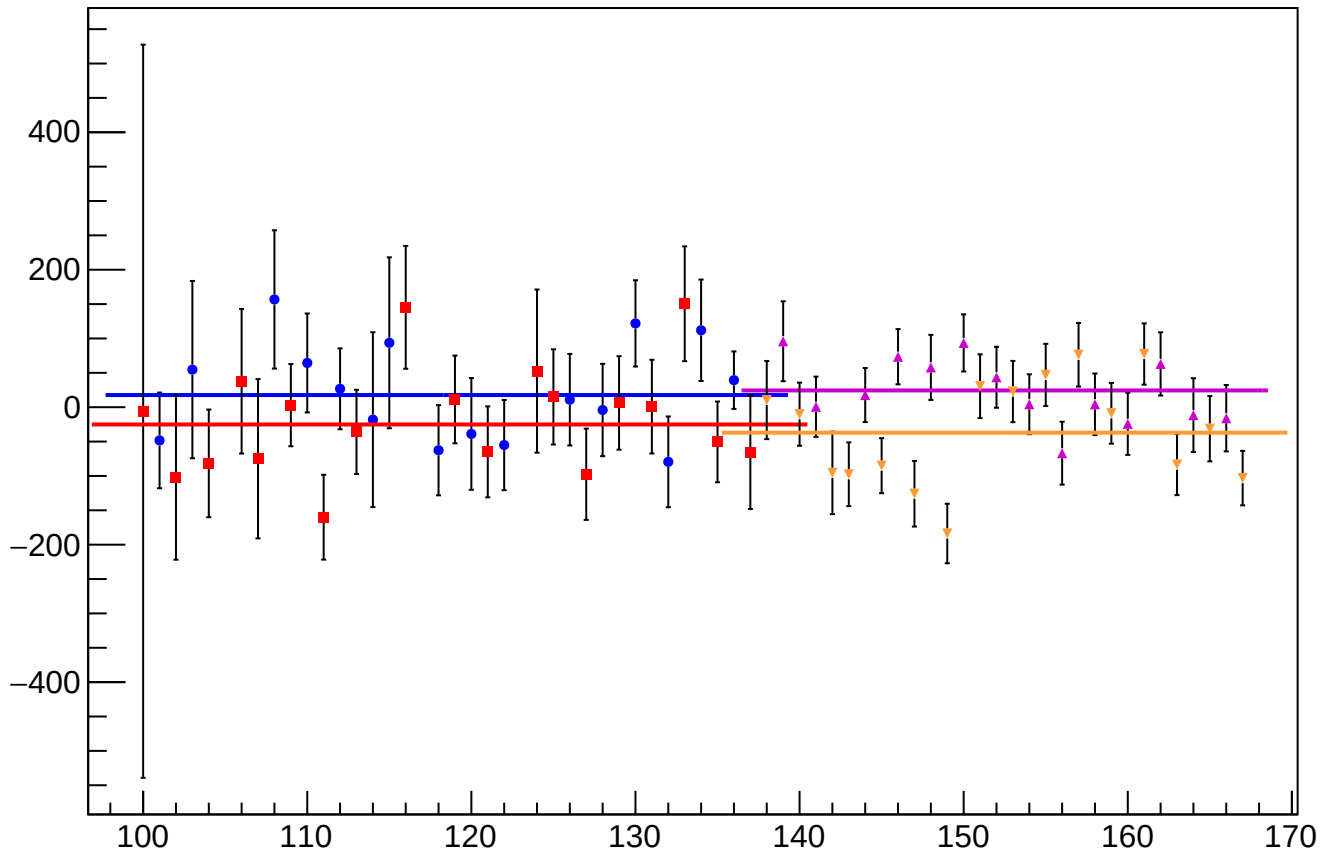
Left In: 339.646 $\pm$ 0.072 χ^2/NDF : 778484.6/13

+ sign 364.489 $\pm$ 0.061 χ^2/NDF : 3089709.8/31

All: 368.370 $\pm$ 0.044 χ^2/NDF : 5745905.1/64

- sign 372.578 $\pm$ 0.063 χ^2/NDF : 2647622.0/32

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706 ± 17.470 χ^2/NDF : 13.9/15

Left Out: -36.995 ± 11.437 χ^2/NDF : 44.3/15

Right Out: -25.145 ± 17.339 χ^2/NDF : 18.0/18

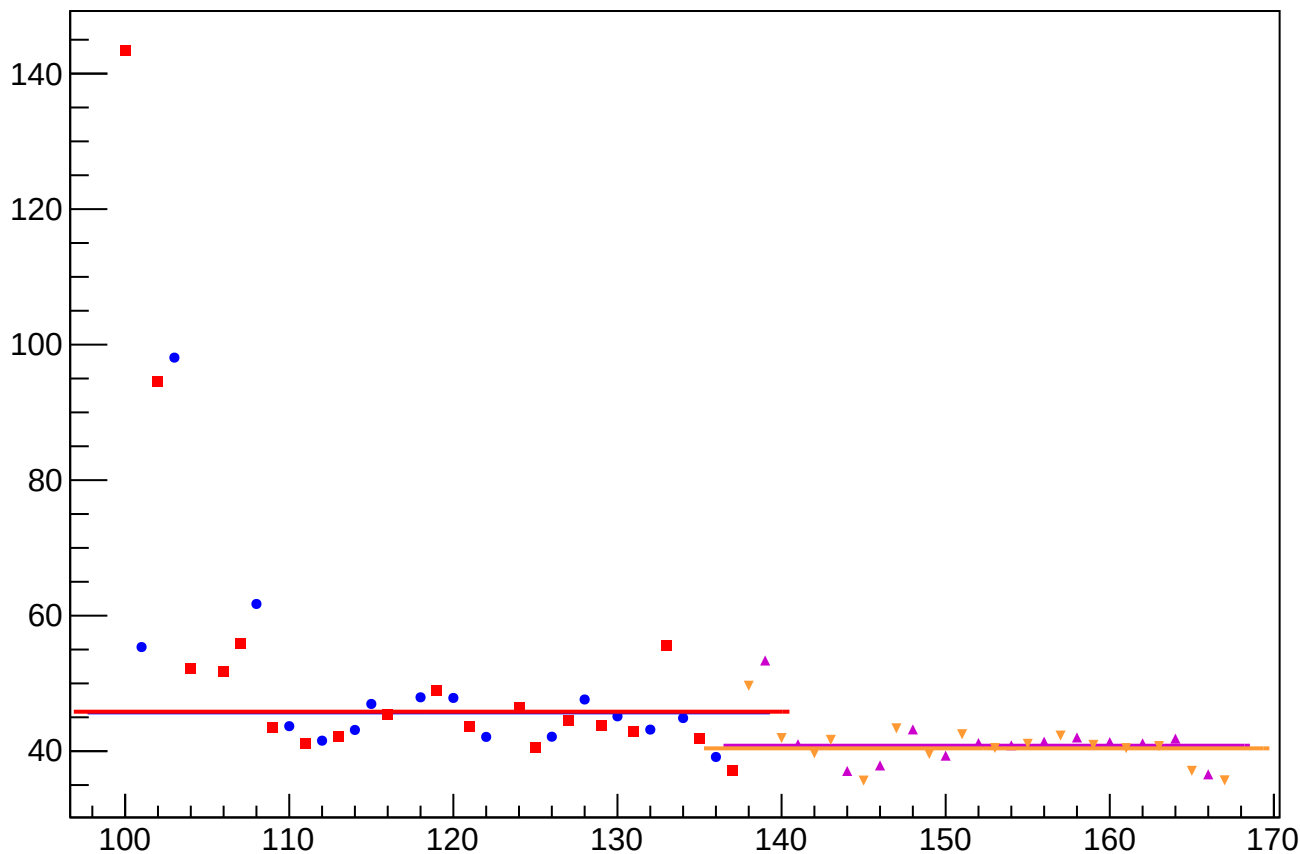
Left In: 24.410 ± 12.077 χ^2/NDF : 14.2/13

+ sign -20.585 ± 9.569 χ^2/NDF : 65.1/31

All: -6.685 ± 6.883 χ^2/NDF : 107.2/64

- sign 8.223 ± 9.910 χ^2/NDF : 37.7/32

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: 40.416 $\pm$ 0.008 χ^2 /NDF: 139699.1/15

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

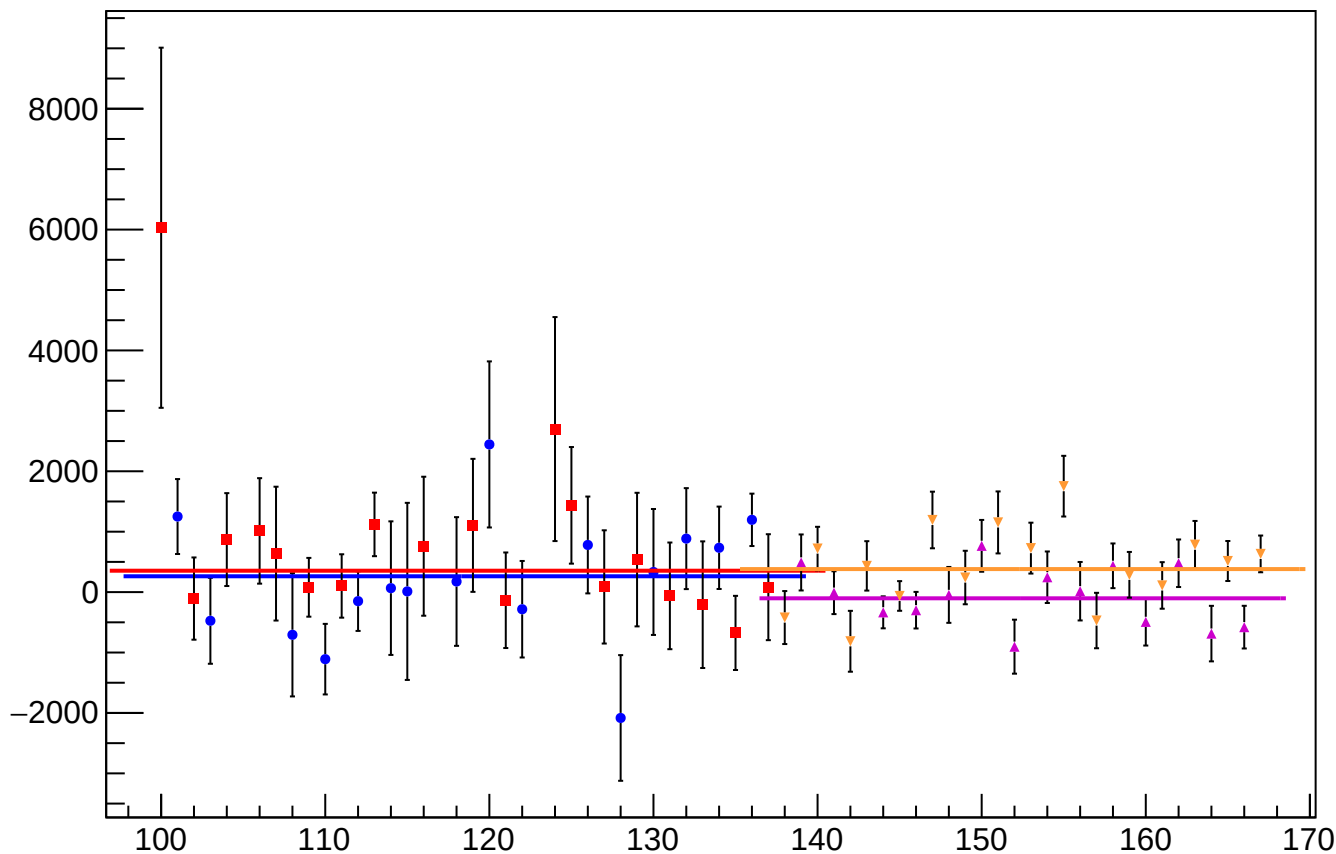
Left In: 40.803 $\pm$ 0.009 χ^2 /NDF: 148279.8/13

+ sign 42.009 $\pm$ 0.007 χ^2 /NDF: 770513.6/31

All: 42.219 $\pm$ 0.005 χ^2 /NDF: 1572250.4/64

- sign 42.443 $\pm$ 0.007 χ^2 /NDF: 799753.1/32

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: 381.244 $\pm$ 96.488 χ^2 /NDF:32.6/15

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

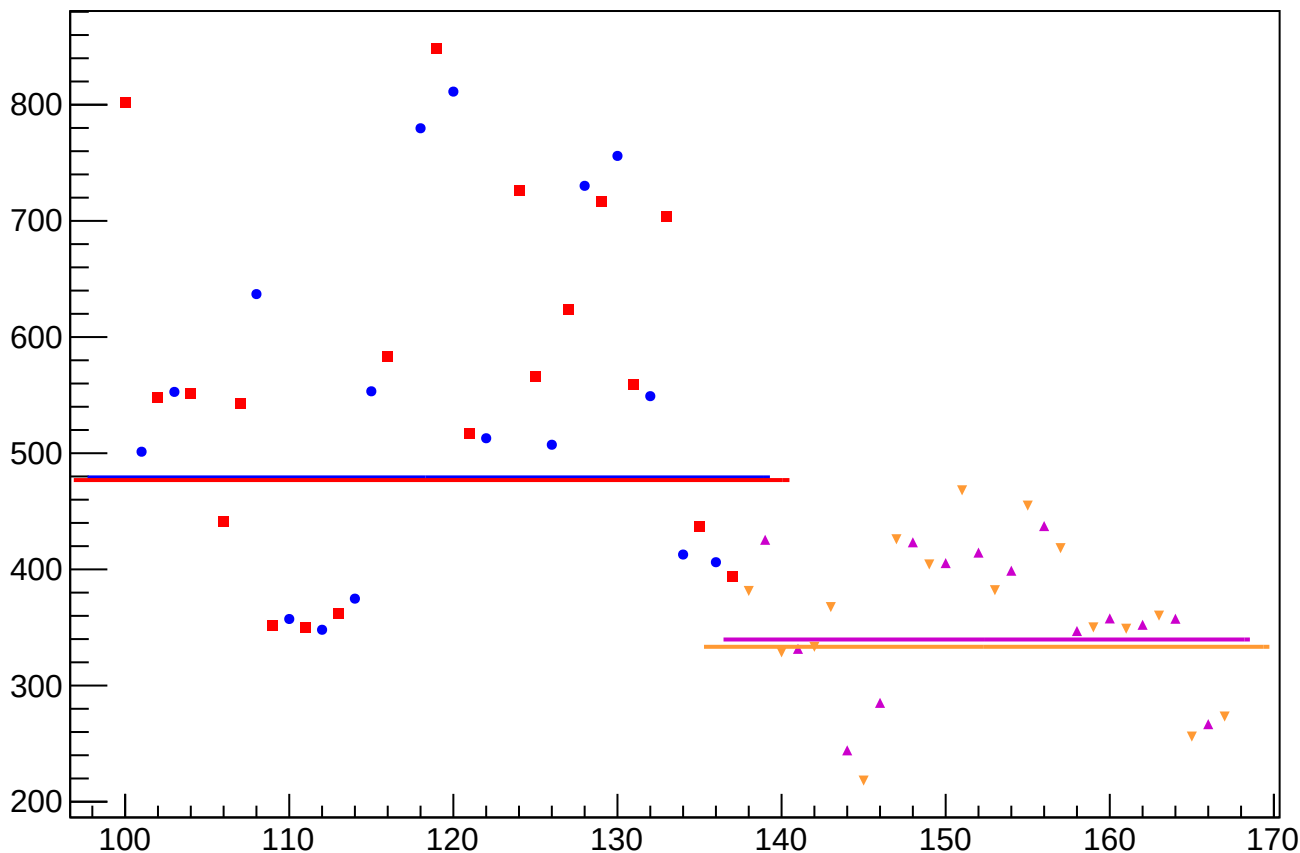
Left In: -102.622 $\pm$ 102.205 χ^2 /NDF:19.7/13

+ sign 355.778 $\pm$ 85.572 χ^2 /NDF: 57.9/31

All: 188.433 $\pm$ 61.719 χ^2 /NDF: 105.5/64

- sign 6.991 $\pm$ 89.104 χ^2 /NDF: 39.7/32

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 479.180 $\pm$ 0.131 χ^2 /NDF: 952722.6/15

Left Out: 333.362 $\pm$ 0.068 χ^2 /NDF:1161928.9/15

Right Out: 476.893 $\pm$ 0.129 χ^2 /NDF: 1003767.4/18

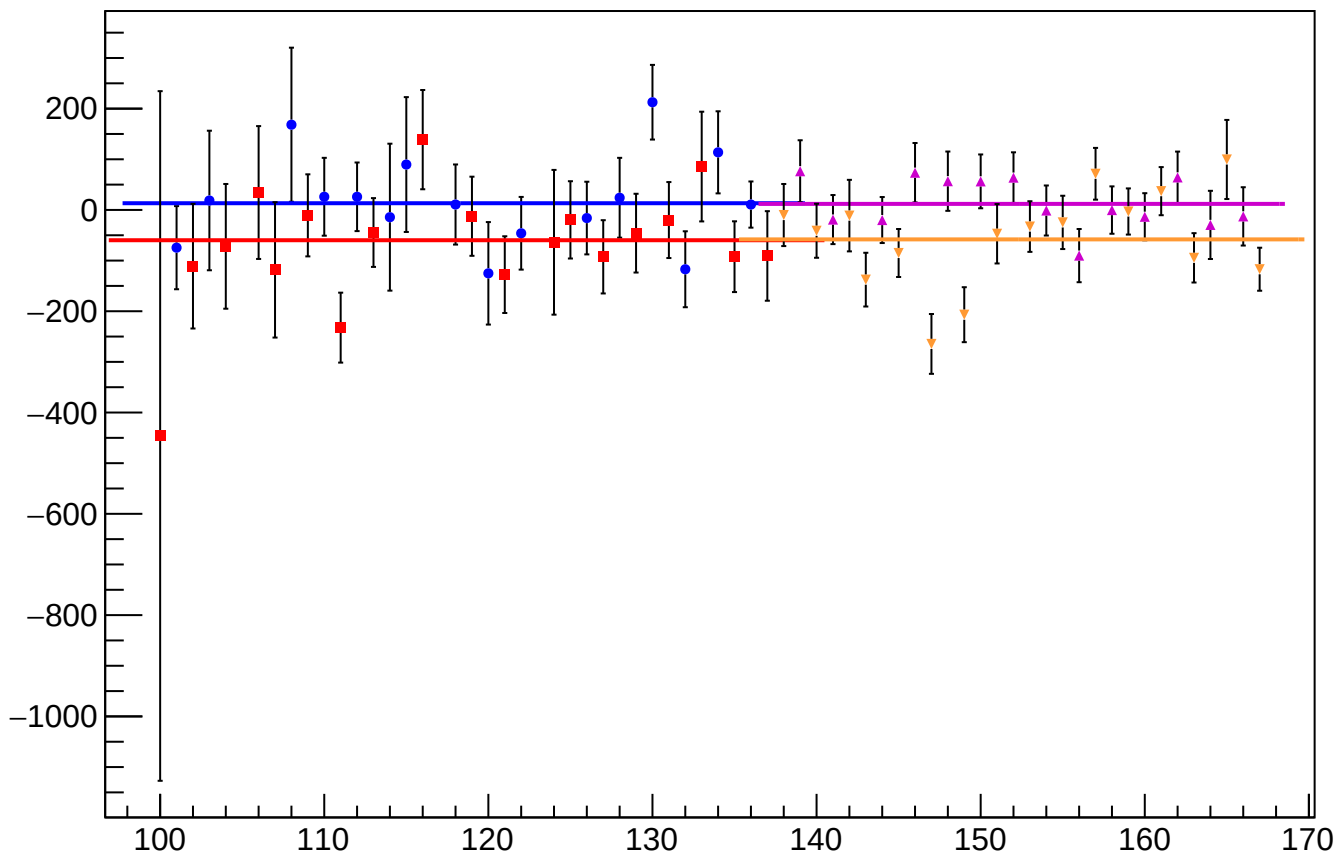
Left In: 339.646 $\pm$ 0.072 χ^2 /NDF:778484.6/13

+ sign 364.489 $\pm$ 0.061 χ^2 /NDF: 3089709.8/31

All: 368.370 $\pm$ 0.044 χ^2 /NDF: 5745905.1/64

- sign 372.578 $\pm$ 0.063 χ^2 /NDF: 2647622.0/32

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 ± 19.849 χ^2/NDF : 17.2/15

Left Out: -58.144 ± 13.194 χ^2/NDF : 42.6/15

Right Out: -59.810 ± 20.234 χ^2/NDF : 16.1/18

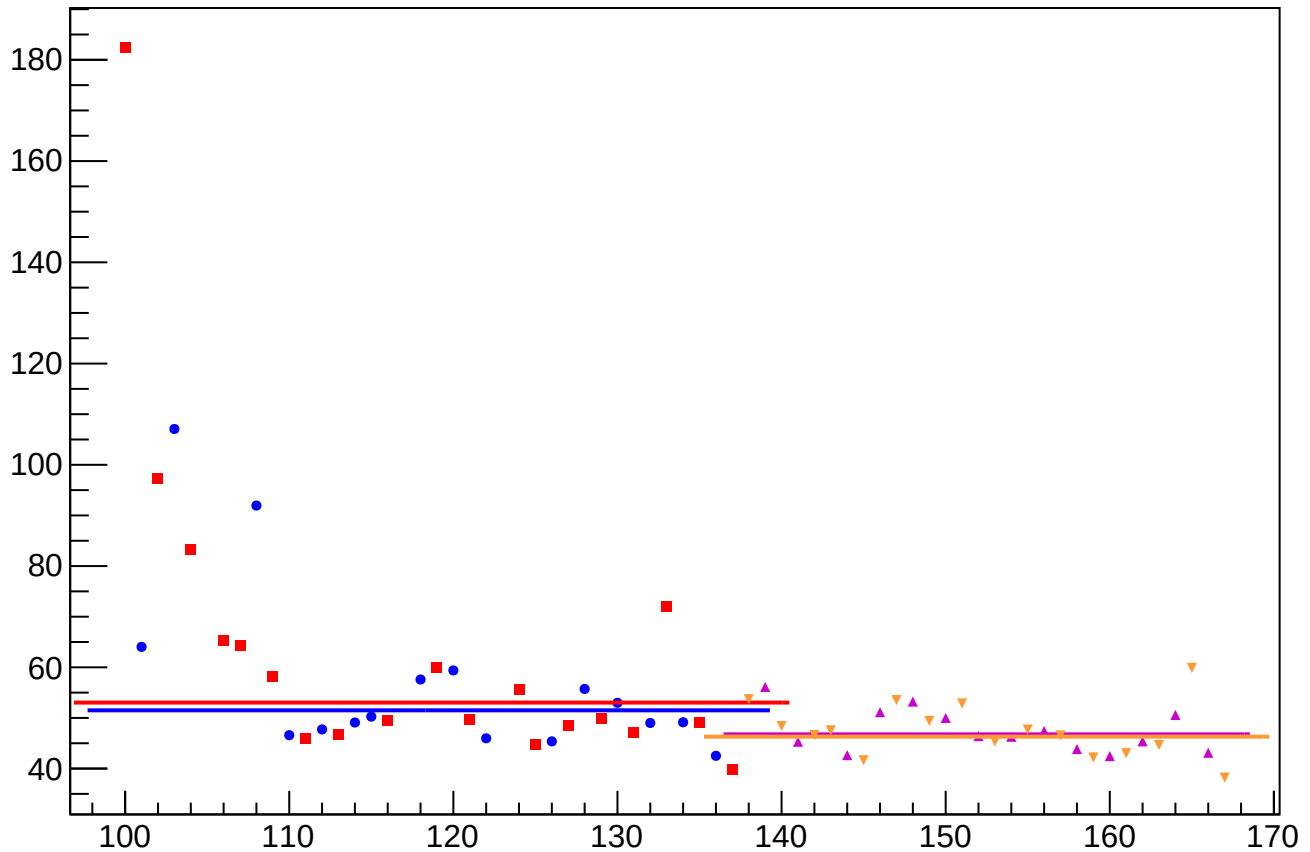
Left In: 11.940 ± 13.982 χ^2/NDF : 11.3/13

+ sign -36.262 ± 10.988 χ^2/NDF : 68.8/31

All: -24.328 ± 7.945 χ^2/NDF : 107.2/64

- sign -11.248 ± 11.503 χ^2/NDF : 35.9/32

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2 /NDF: 667059.0/15

Left Out: 46.303+/-0.009 χ^2 /NDF: 277941.5/15

Right Out: 53.037+/-0.014 χ^2 /NDF: 712908.4/18

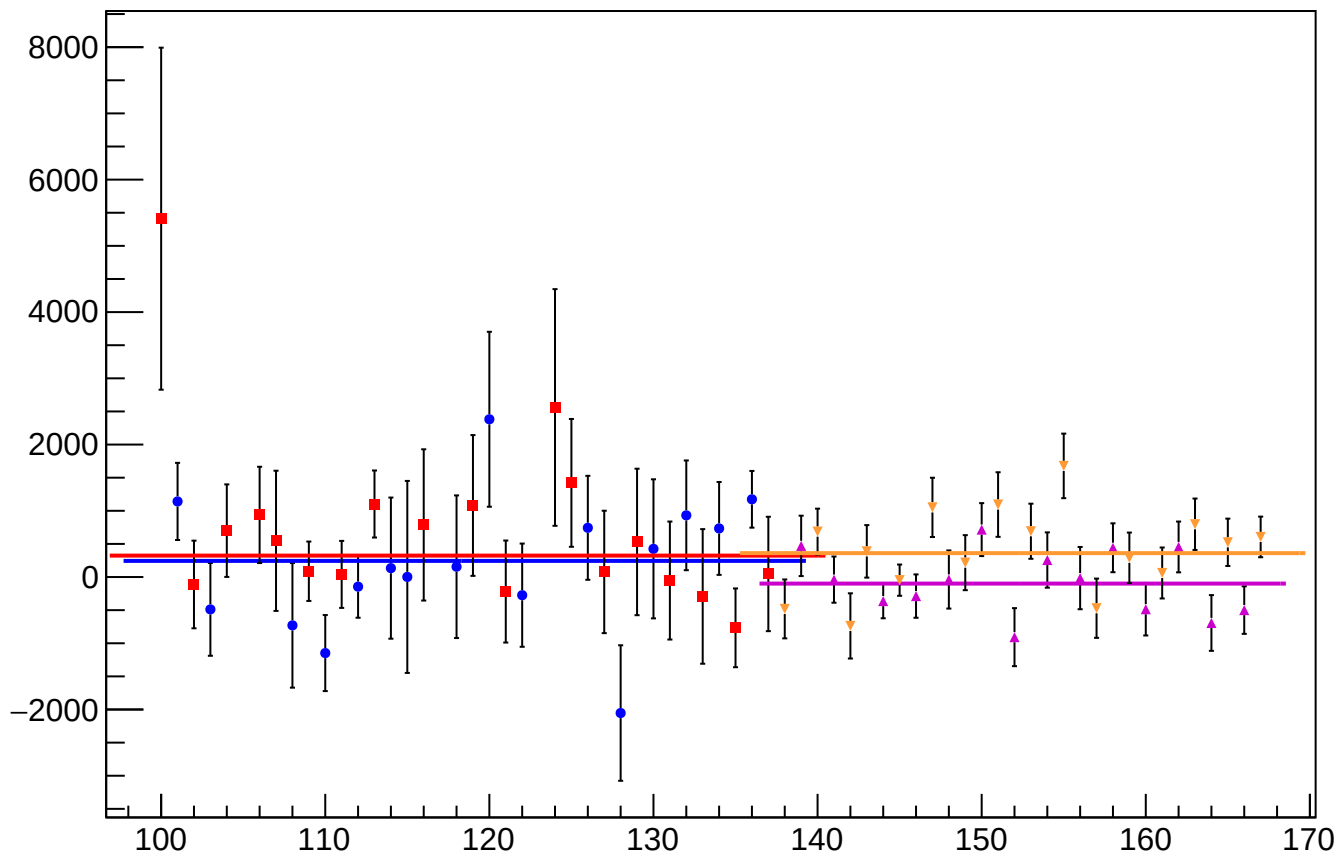
Left In: 46.763+/-0.010 χ^2 /NDF: 149509.9/13

+ sign 47.897+/-0.008 χ^2 /NDF: 1040281.4/31

All: 48.324+/-0.006 χ^2 /NDF: 2039177.0/64

- sign 48.791+/-0.008 χ^2 /NDF: 992591.3/32

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828 ± 180.872 χ^2/NDF : 25.6/15

Left Out: 360.979 ± 95.092 χ^2/NDF : 31.4/15

Right Out: 323.628 ± 173.632 χ^2/NDF : 16.5/18

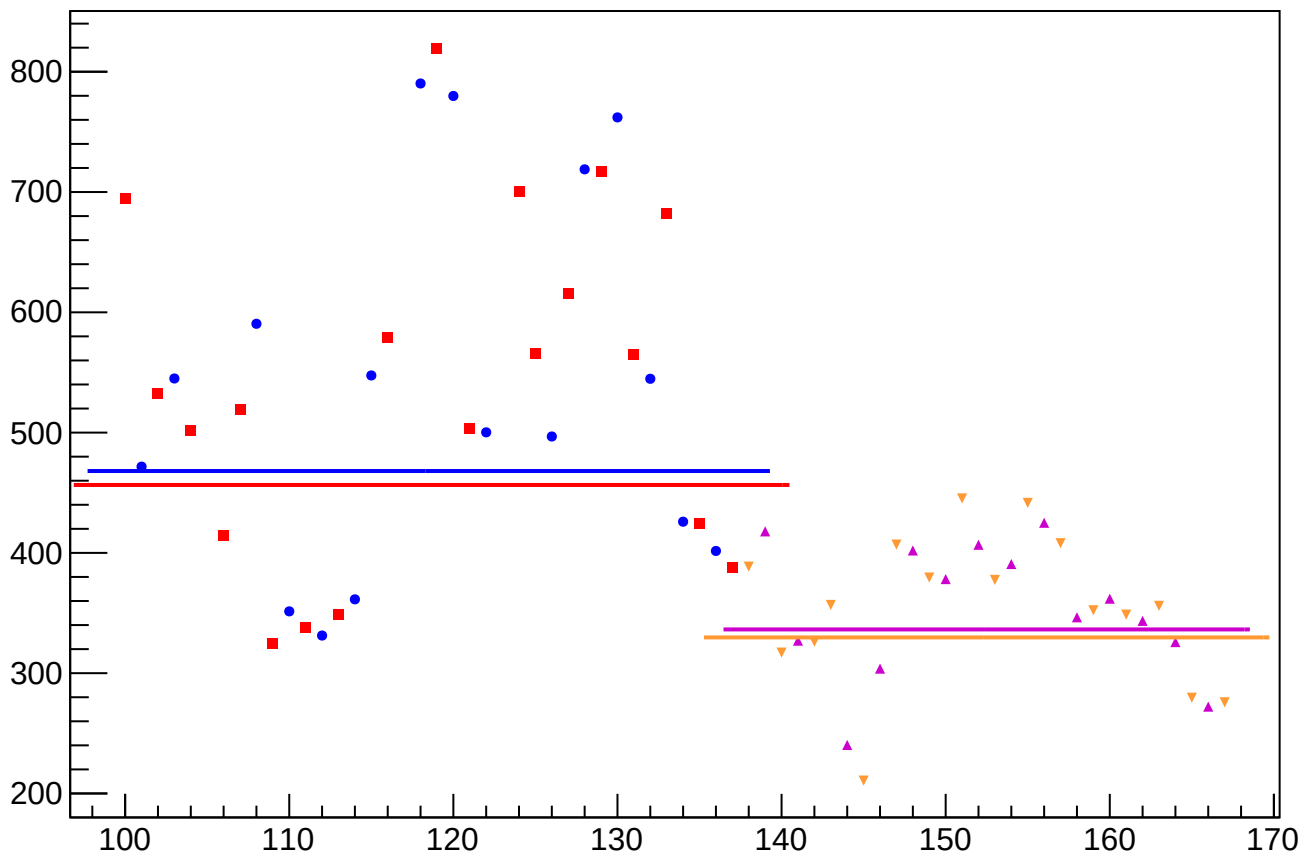
Left In: -98.948 ± 101.007 χ^2/NDF : 19.7/13

+ sign 335.610 ± 84.169 χ^2/NDF : 57.3/31

All: 177.753 ± 60.596 χ^2/NDF : 105.2/64

- sign 7.899 ± 87.309 χ^2/NDF : 40.6/32

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF : 982915.0/15

Left Out: 329.732+/-0.067 χ^2/NDF : 1072304.1/15

Right Out: 456.468+/-0.123 χ^2/NDF : 1082568.2/18

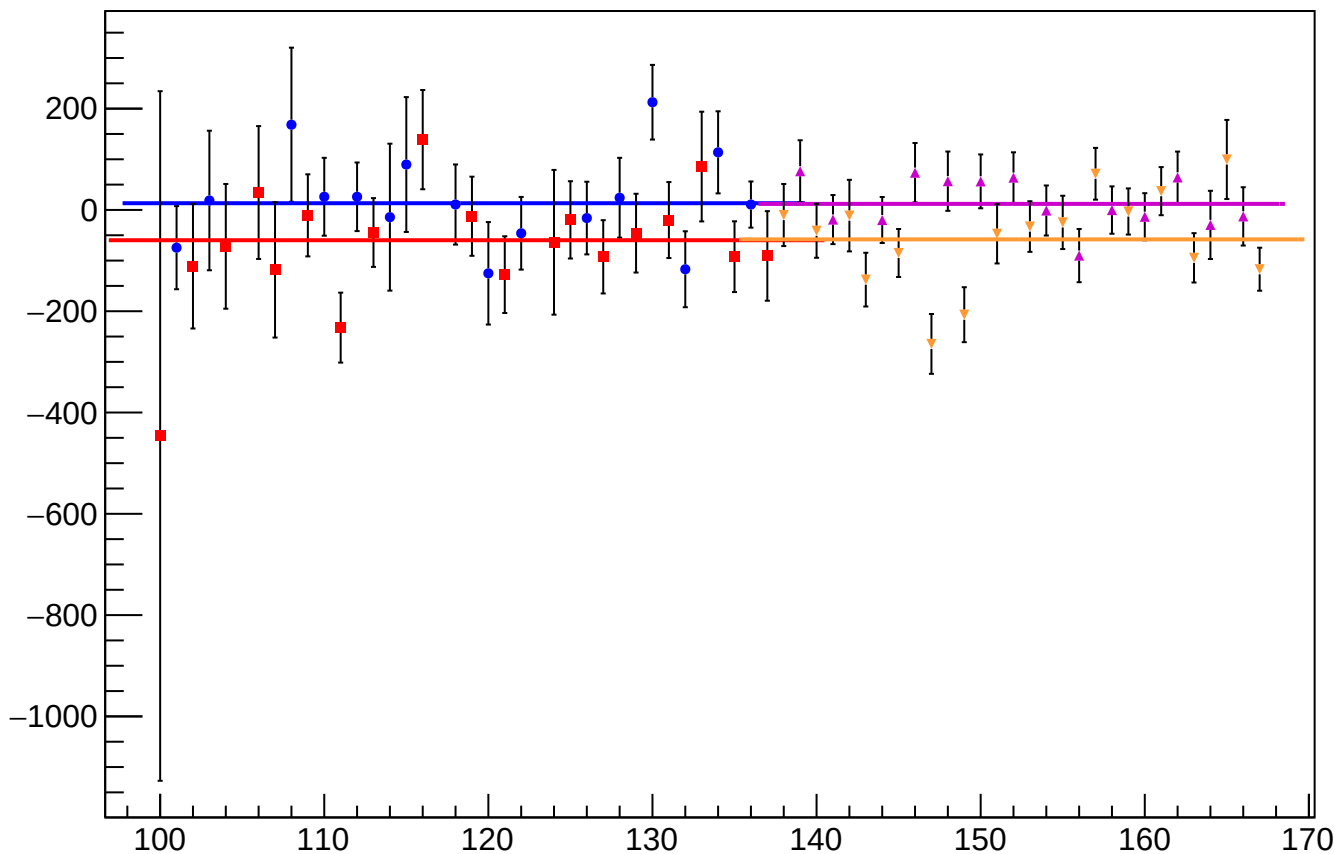
Left In: 336.371+/-0.071 χ^2/NDF : 657498.8/13

+ sign 359.688+/-0.060 χ^2/NDF : 2971761.3/31

All: 363.084+/-0.043 χ^2/NDF : 5433483.6/64

- sign 366.737+/-0.062 χ^2/NDF : 2454965.6/32

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 ± 19.849 χ^2/NDF : 17.2/15

Left Out: -58.145 ± 13.194 χ^2/NDF : 42.6/15

Right Out: -59.811 ± 20.234 χ^2/NDF : 16.1/18

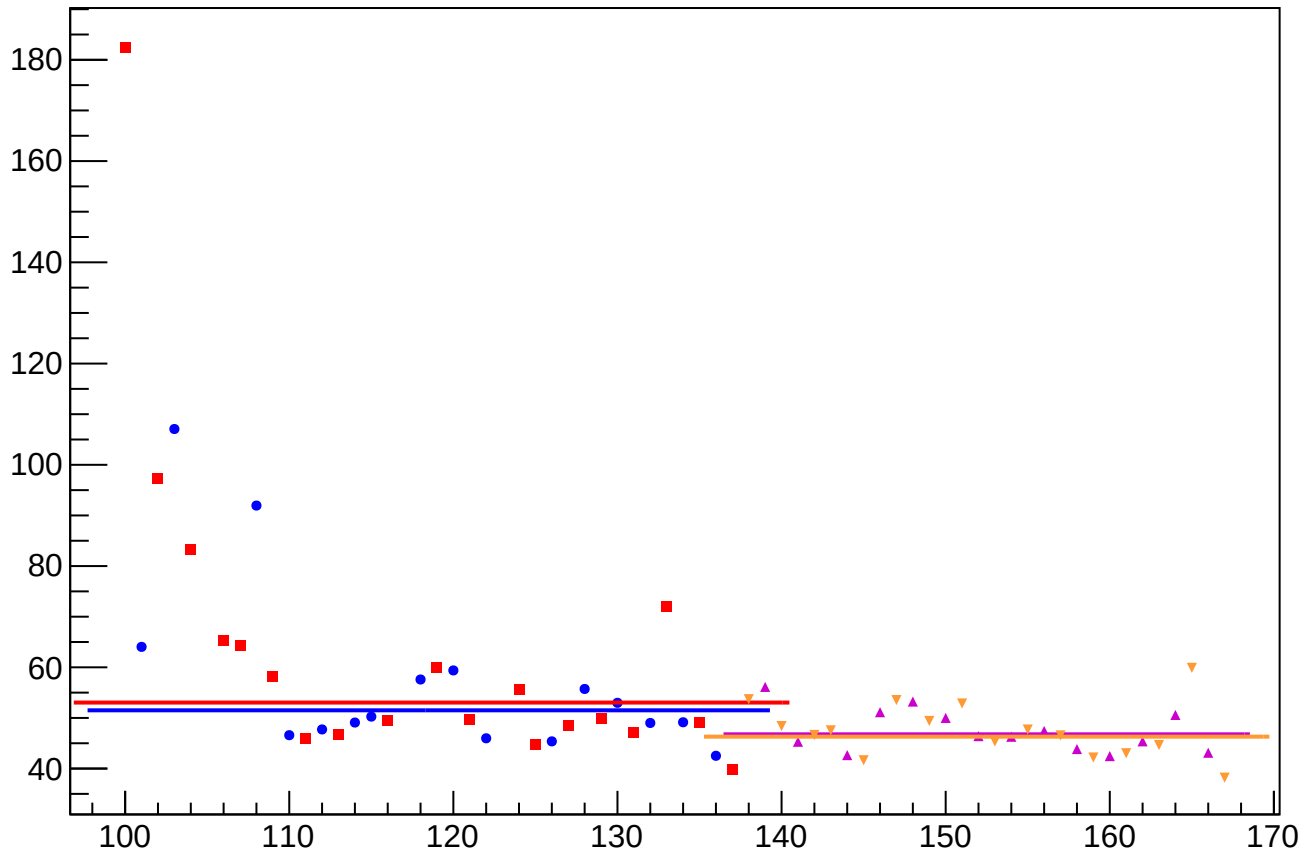
Left In: 11.940 ± 13.982 χ^2/NDF : 11.3/13

+ sign -36.262 ± 10.988 χ^2/NDF : 68.8/31

All: -24.328 ± 7.945 χ^2/NDF : 107.2/64

- sign -11.249 ± 11.503 χ^2/NDF : 35.9/32

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF : 667064.6/15

Left Out: 46.303+/-0.009 χ^2/NDF : 277946.0/15

Right Out: 53.037+/-0.014 χ^2/NDF : 712918.4/18

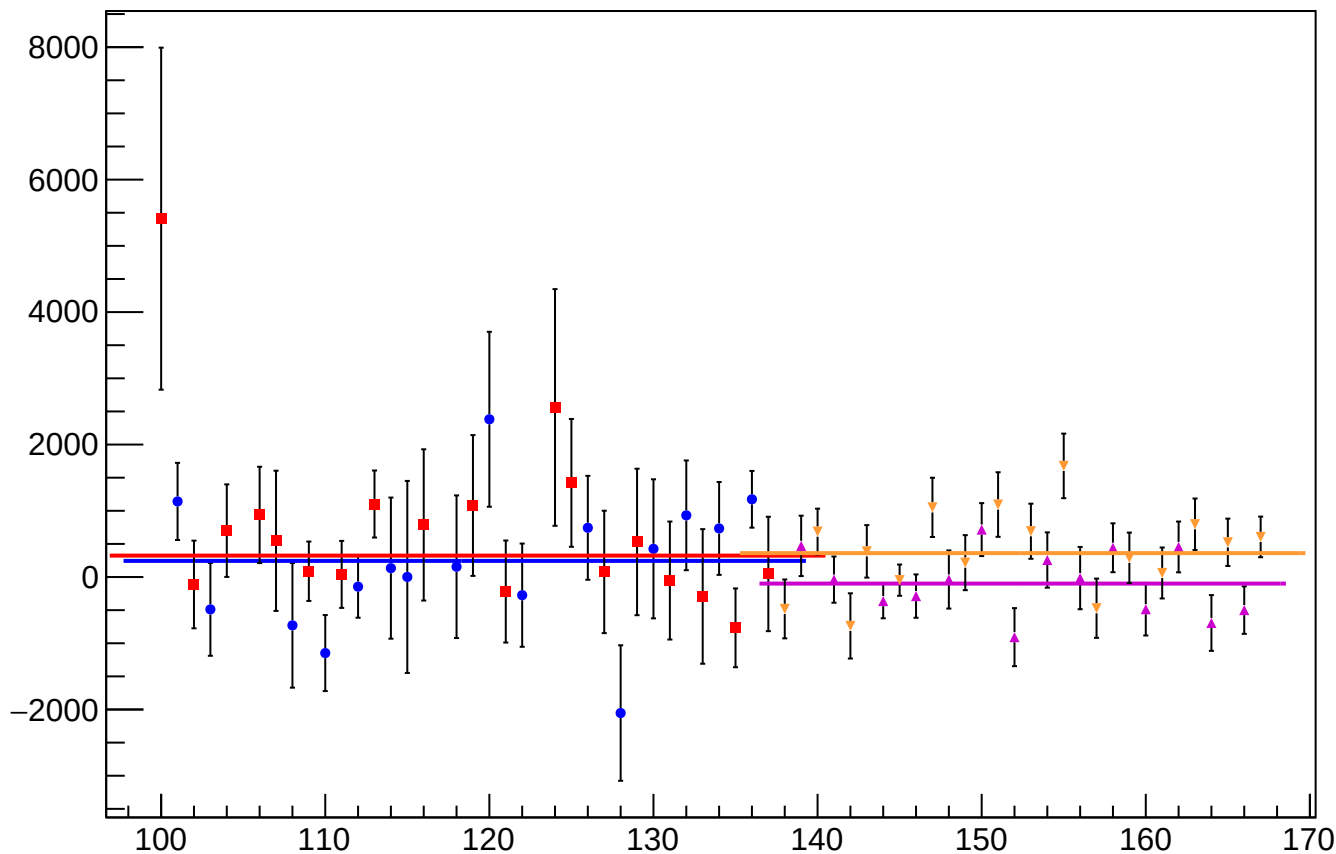
Left In: 46.763+/-0.010 χ^2/NDF : 149512.1/13

+ sign 47.898+/-0.008 χ^2/NDF : 1040291.0/31

All: 48.324+/-0.006 χ^2/NDF : 2039199.8/64

- sign 48.791+/-0.008 χ^2/NDF : 992604.5/32

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: 360.979 $\pm$ 95.092 χ^2/NDF :31.4/15

Right Out: 323.628 $\pm$ 173.631 χ^2/NDF : 16.5/18

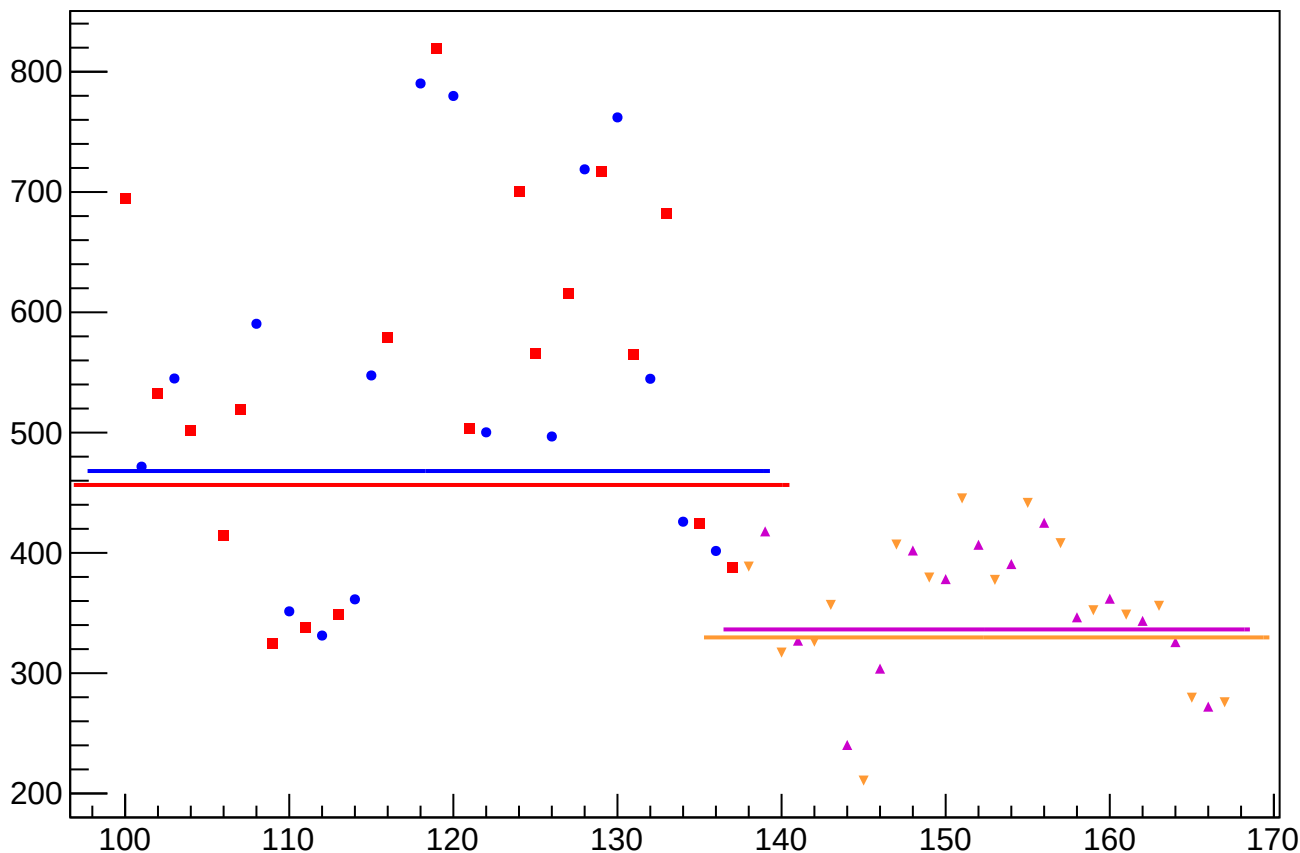
Left In: -98.949 $\pm$ 101.007 χ^2/NDF :19.7/13

+ sign 335.610 $\pm$ 84.169 χ^2/NDF : 57.3/31

All: 177.753 $\pm$ 60.596 χ^2/NDF : 105.2/64

- sign 7.898 $\pm$ 87.309 χ^2/NDF : 40.6/32

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: 329.732 $\pm$ 0.067 χ^2/NDF : 1072307.2/15

Right Out: 456.467 $\pm$ 0.123 χ^2/NDF : 1082565.2/18

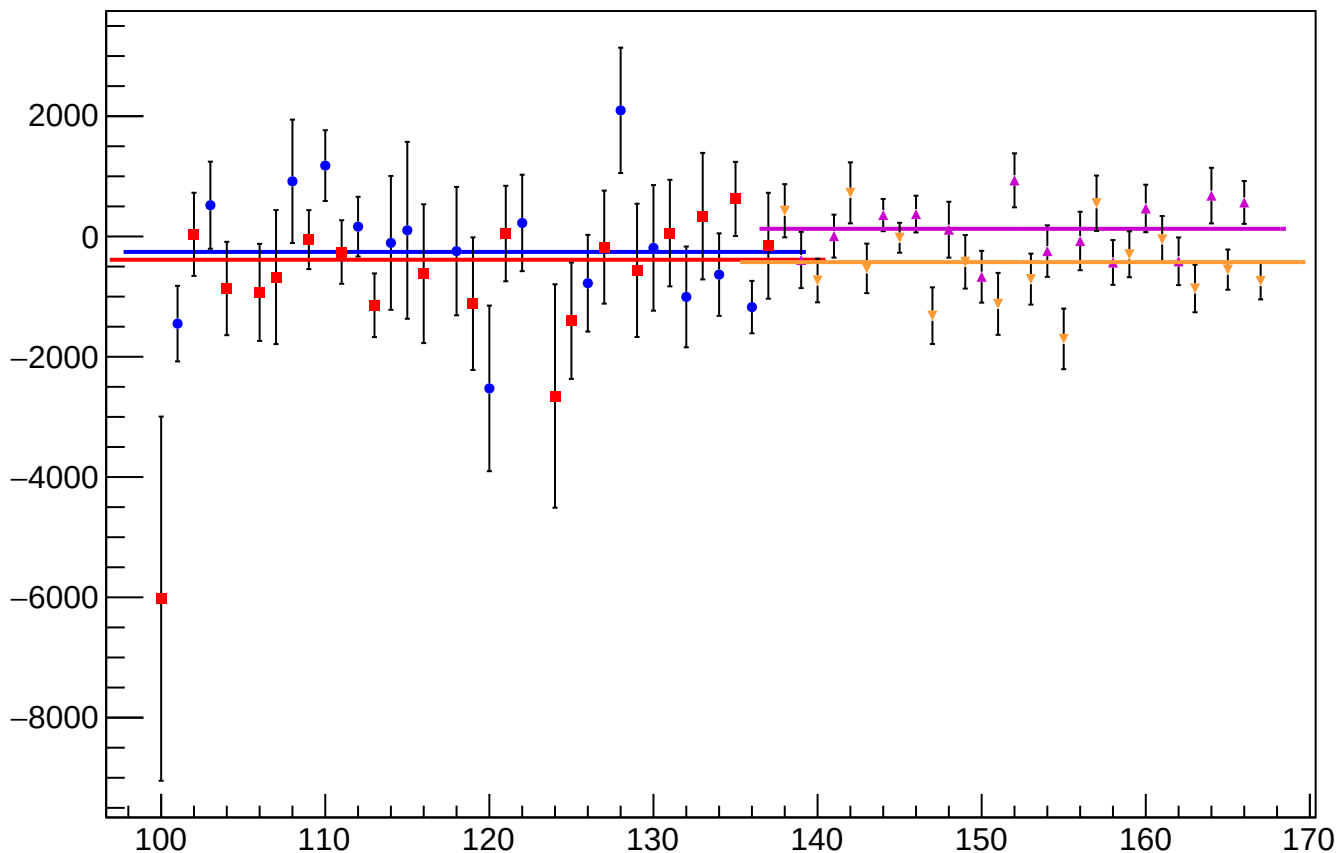
Left In: 336.371 $\pm$ 0.071 χ^2/NDF : 657500.5/13

+ sign 359.688 $\pm$ 0.060 χ^2/NDF : 2971756.7/31

All: 363.084 $\pm$ 0.043 χ^2/NDF : 5433469.4/64

- sign 366.737 $\pm$ 0.062 χ^2/NDF : 2454955.9/32

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748 ± 186.462 χ^2/NDF : 26.9/15

Left Out: -426.260 ± 97.258 χ^2/NDF : 32.5/15

Right Out: -386.449 ± 182.363 χ^2/NDF : 14.2/18

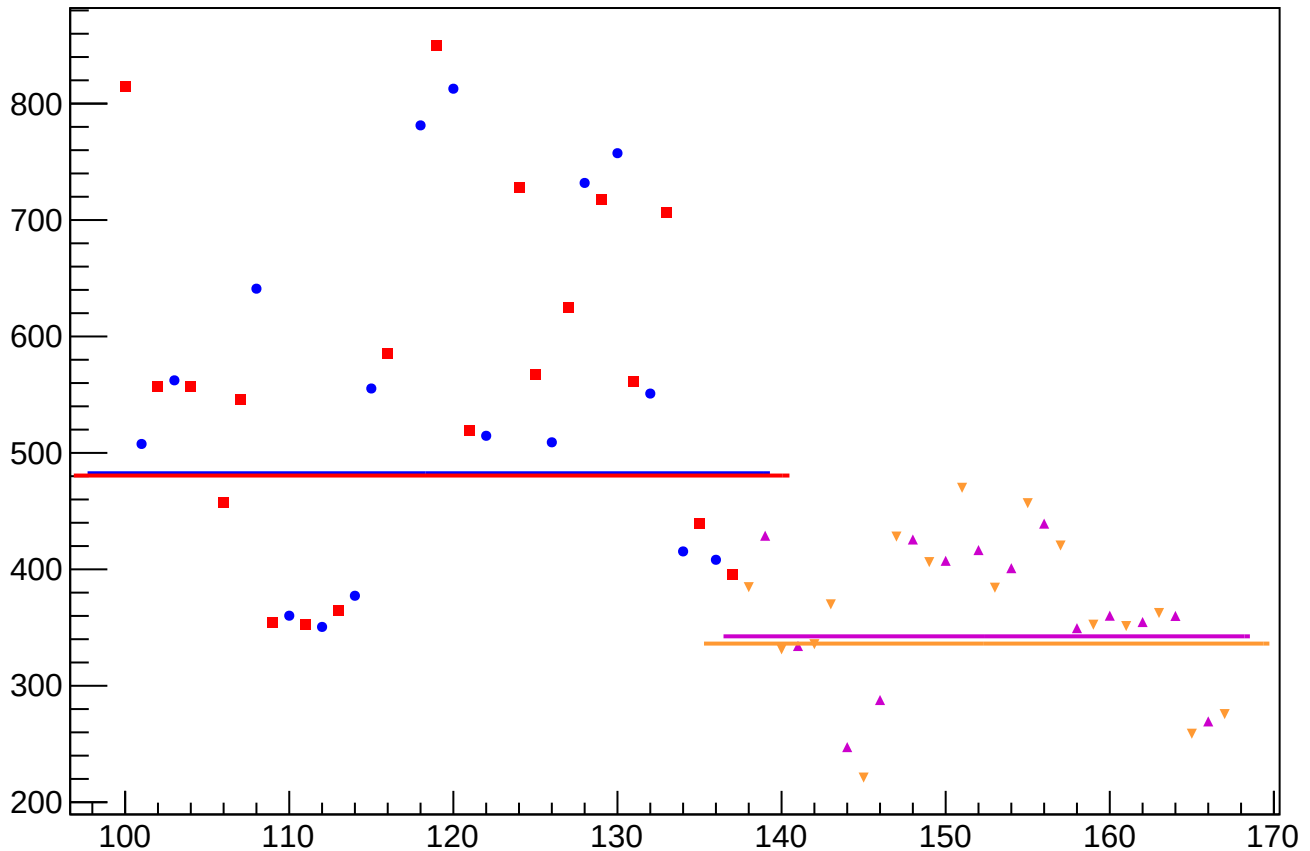
Left In: 127.234 ± 103.002 χ^2/NDF : 18.1/13

+ sign -390.005 ± 86.233 χ^2/NDF : 60.1/31

All: -201.215 ± 62.160 χ^2/NDF : 108.4/64

- sign 2.994 ± 89.685 χ^2/NDF : 38.3/32

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512 $\pm$ 0.132 χ^2 /NDF: 946526.1/15

Left Out: 336.235 $\pm$ 0.069 χ^2 /NDF:1133841.3/15

Right Out: 480.559 $\pm$ 0.129 χ^2 /NDF: 993796.3/18

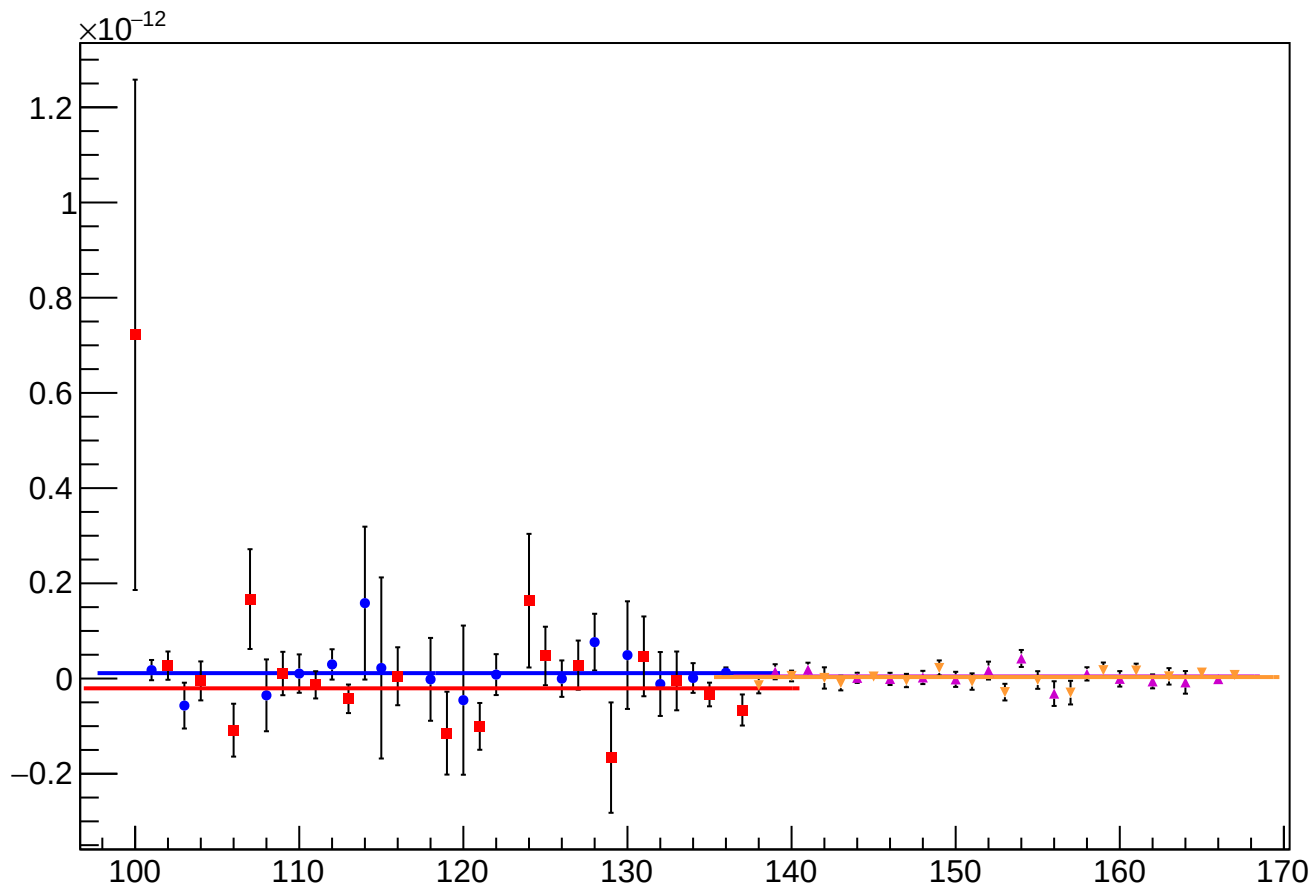
Left In: 342.468 $\pm$ 0.073 χ^2 /NDF:759812.3/13

+ sign 367.520 $\pm$ 0.061 χ^2 /NDF: 3047966.5/31

All: 371.530 $\pm$ 0.044 χ^2 /NDF: 5680015.0/64

- sign 375.867 $\pm$ 0.063 χ^2 /NDF: 2623047.7/32

asym_sam_15_37_dd_reg_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:11.6/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.7/18

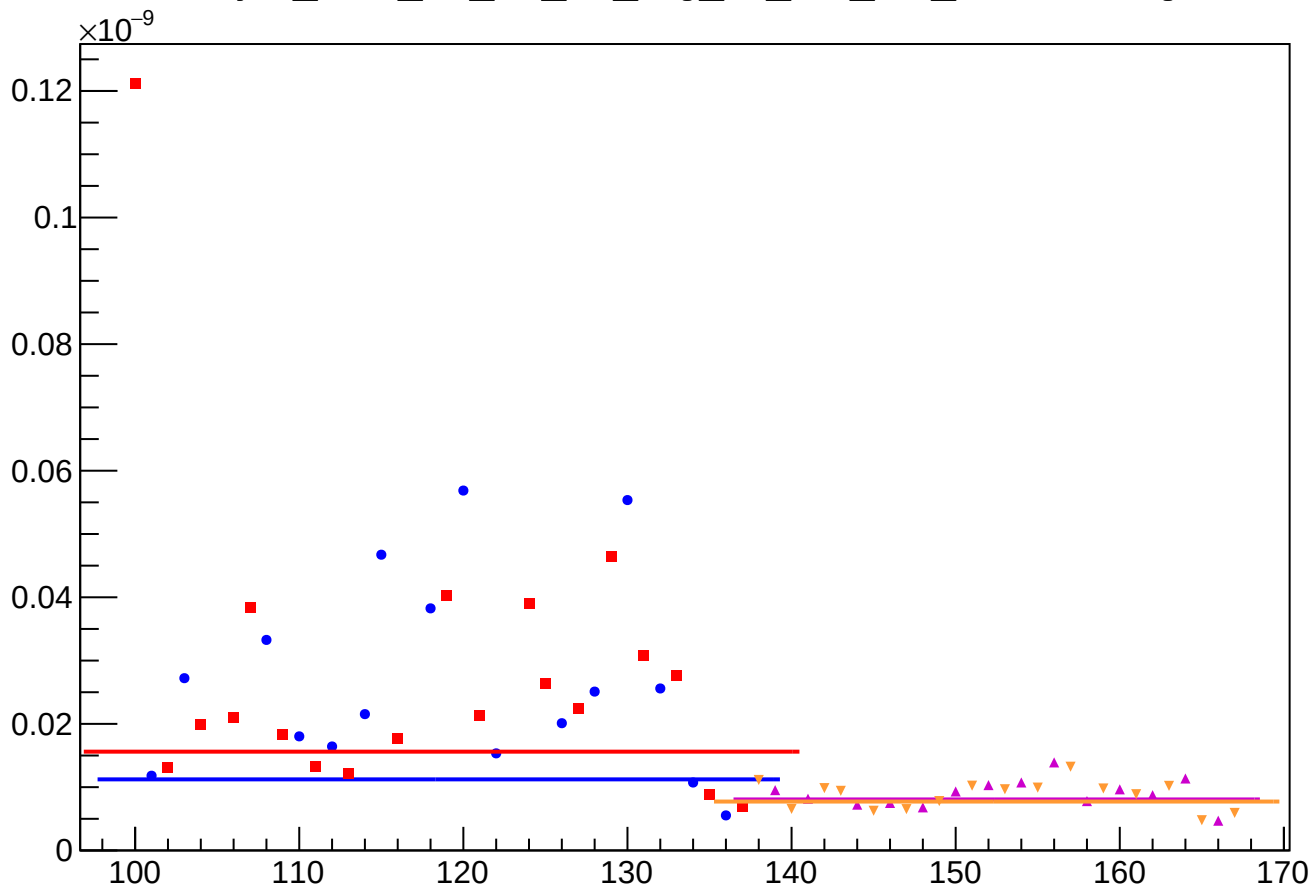
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.8/32

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 : 706572.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1184320.2/18

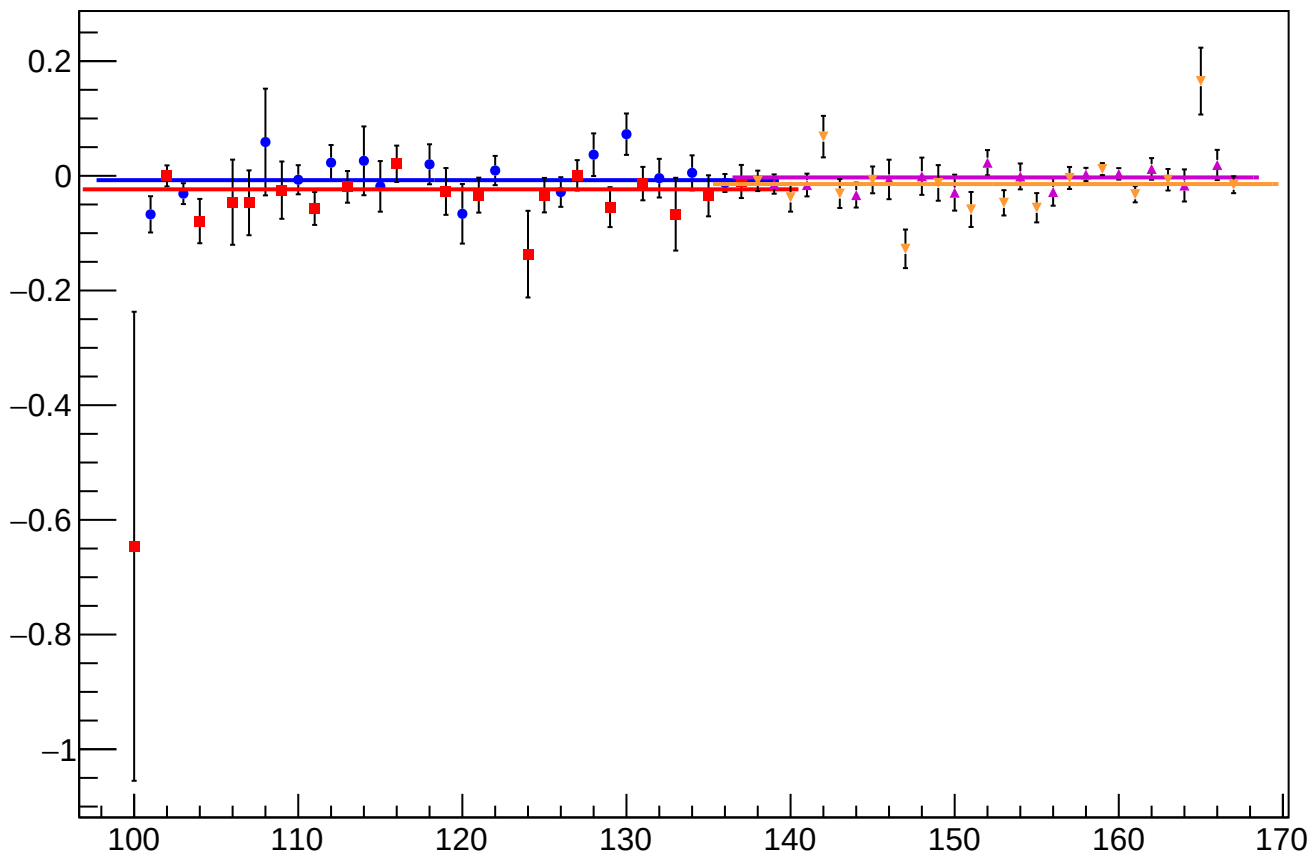
Left In: 0.000+/-0.000 χ^2/NDF : 513403.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 3131043.1/31

All: 0.000+/-0.000 χ^2/NDF : 5817611.2/64

- sign 0.000+/-0.000 χ^2/NDF : 2643071.2/32

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: -0.014 ± 0.005 χ^2/NDF : 42.7/15

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

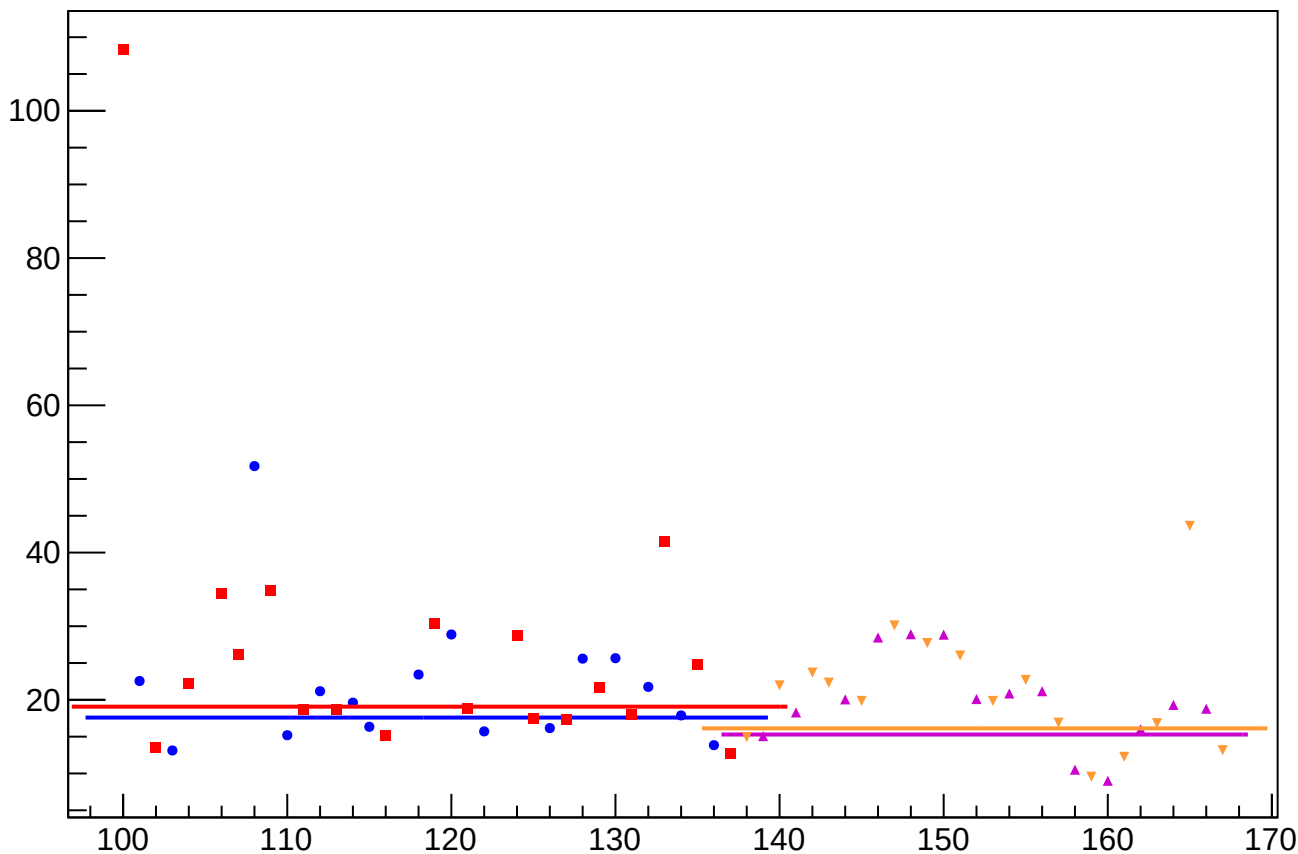
Left In: -0.003 ± 0.005 χ^2/NDF : 8.2/13

+ sign -0.012 ± 0.004 χ^2/NDF : 60.0/31

All: -0.011 ± 0.003 χ^2/NDF : 88.2/64

- sign -0.009 ± 0.004 χ^2/NDF : 27.9/32

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: 16.125 $\pm$ 0.004 χ^2/NDF : 2869946.5/15

Right Out: 19.072 $\pm$ 0.005 χ^2/NDF : 1247983.1/18

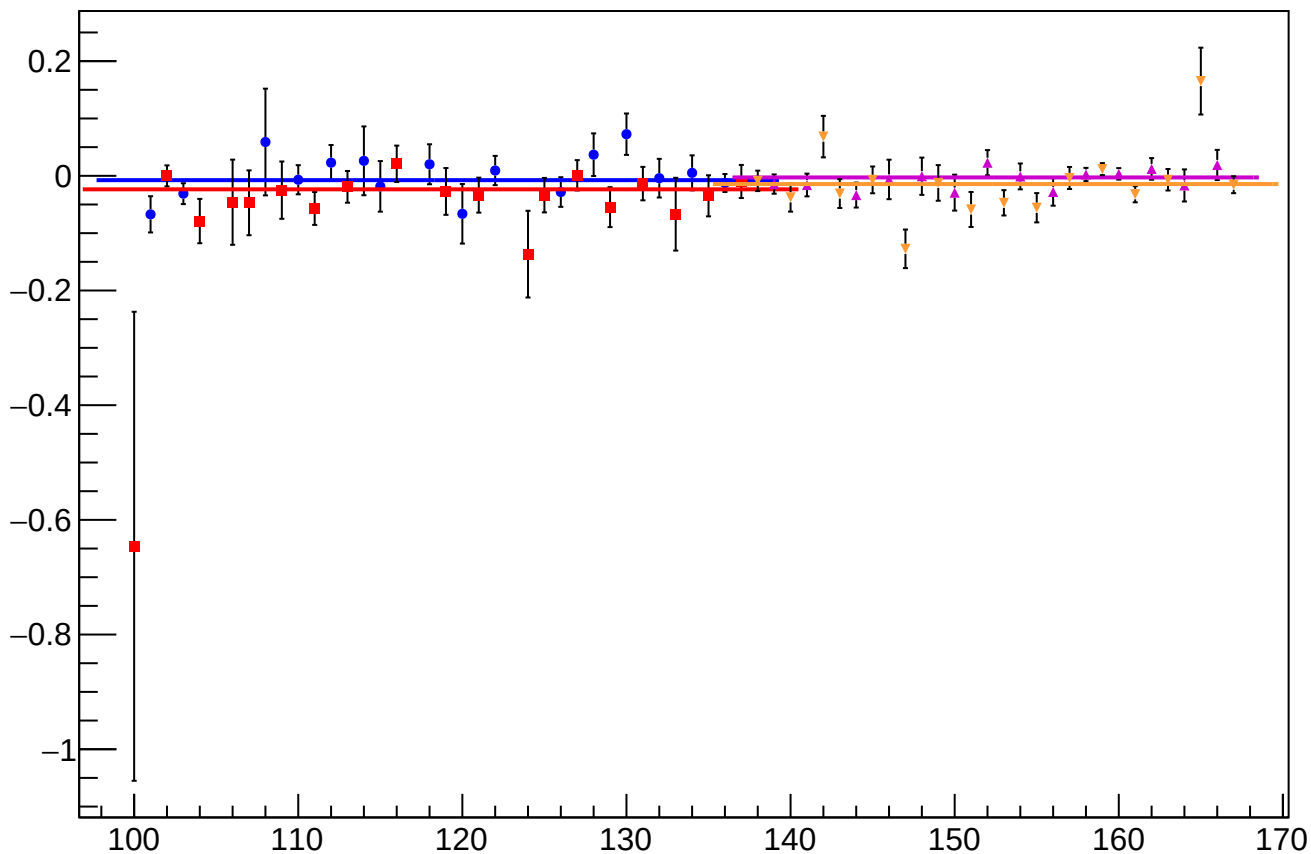
Left In: 15.290 $\pm$ 0.004 χ^2/NDF : 2704012.1/13

+ sign 16.601 $\pm$ 0.003 χ^2/NDF : 3919193.0/31

All: 16.507 $\pm$ 0.002 χ^2/NDF : 8209364.3/64

- sign 16.409 $\pm$ 0.003 χ^2/NDF : 4288023.6/32

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: -0.014 ± 0.005 χ^2/NDF : 42.7/15

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

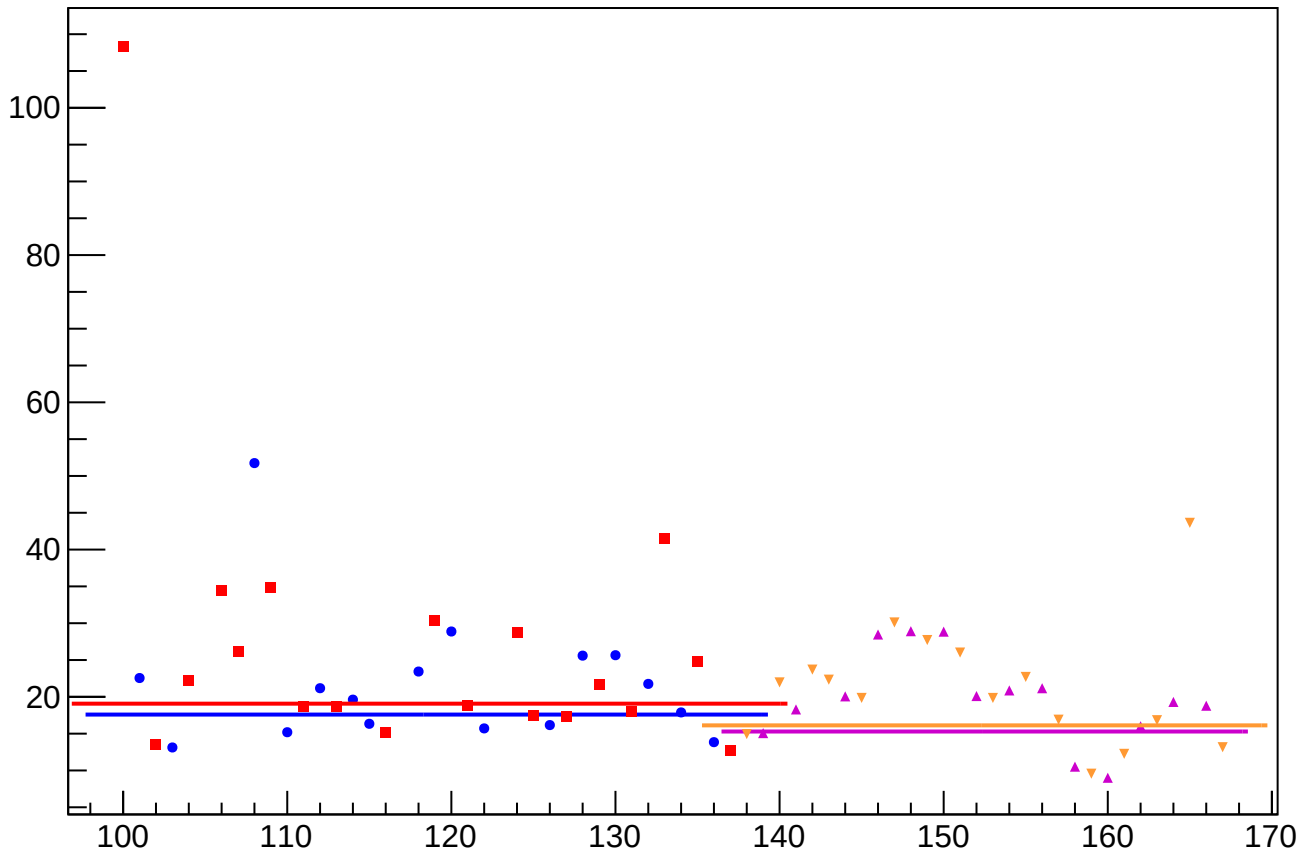
Left In: -0.003 ± 0.005 χ^2/NDF : 8.2/13

+ sign -0.012 ± 0.004 χ^2/NDF : 60.0/31

All: -0.011 ± 0.003 χ^2/NDF : 88.2/64

- sign -0.009 ± 0.004 χ^2/NDF : 27.9/32

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: 16.125 $\pm$ 0.004 χ^2 /NDF: 2869946.5/15

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247983.1/18

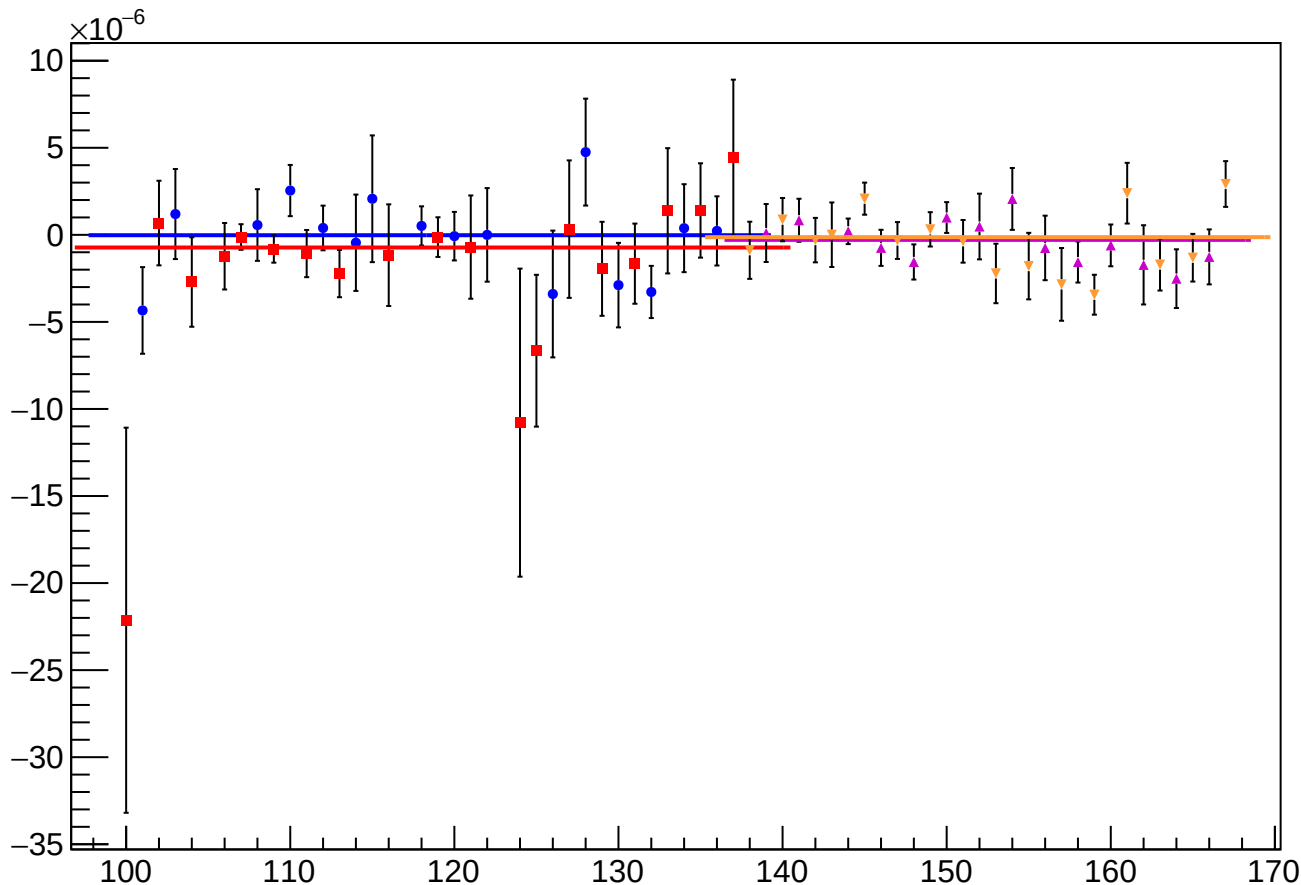
Left In: 15.290 $\pm$ 0.004 χ^2 /NDF: 2704012.1/13

+ sign 16.601 $\pm$ 0.003 χ^2 /NDF: 3919193.0/31

All: 16.507 $\pm$ 0.002 χ^2 /NDF: 8209364.3/64

- sign 16.409 $\pm$ 0.003 χ^2 /NDF: 4288023.6/32

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: 28.5/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 12.9/18

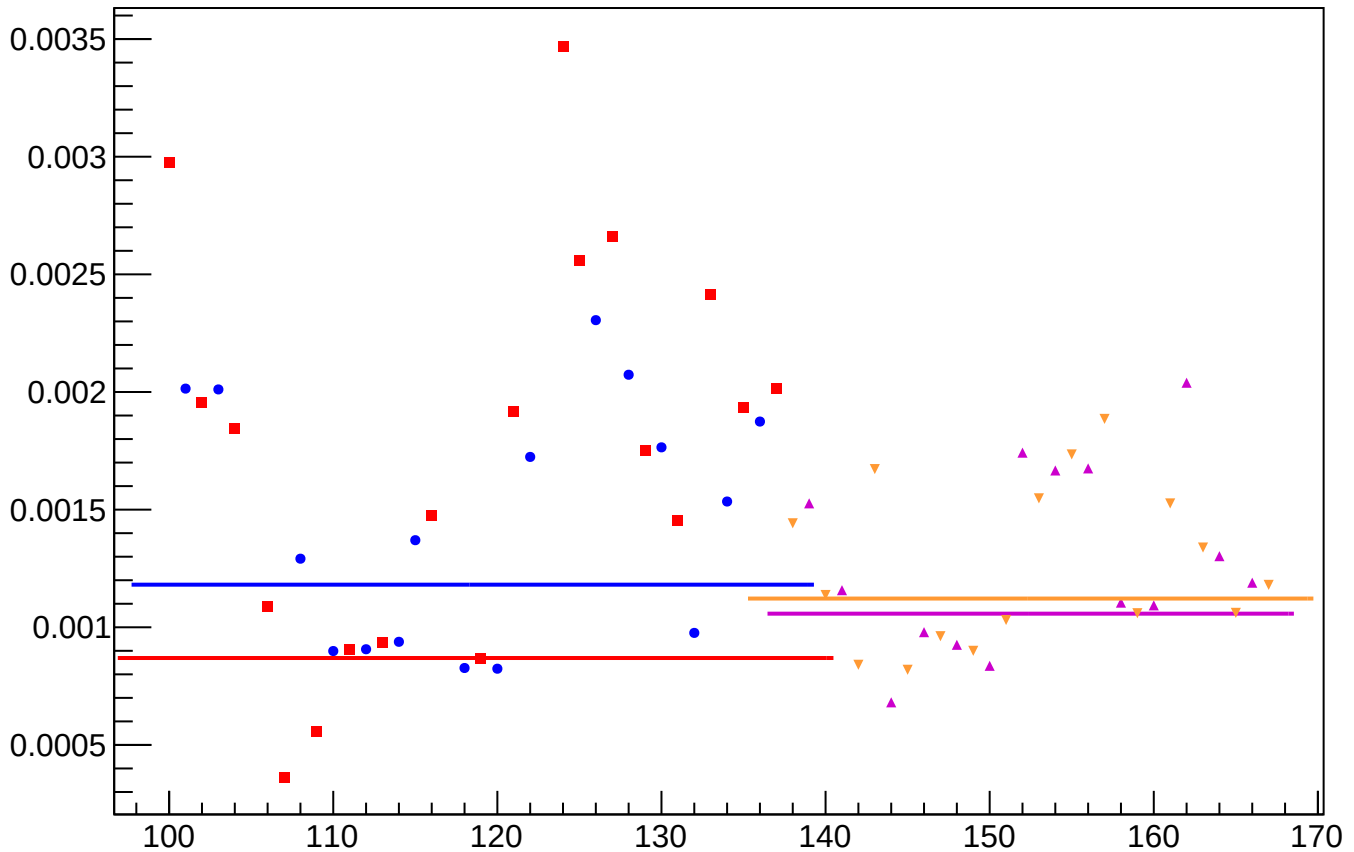
Left In: -0.000+/-0.000 χ^2 /NDF: 11.0/13

+ sign -0.000+/-0.000 χ^2 /NDF: 45.1/31

All: -0.000+/-0.000 χ^2 /NDF: 70.7/64

- sign -0.000+/-0.000 χ^2 /NDF: 24.6/32

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 1484561.2/15

Right Out: 0.001+/-0.000 χ^2/NDF : 4435351.6/18

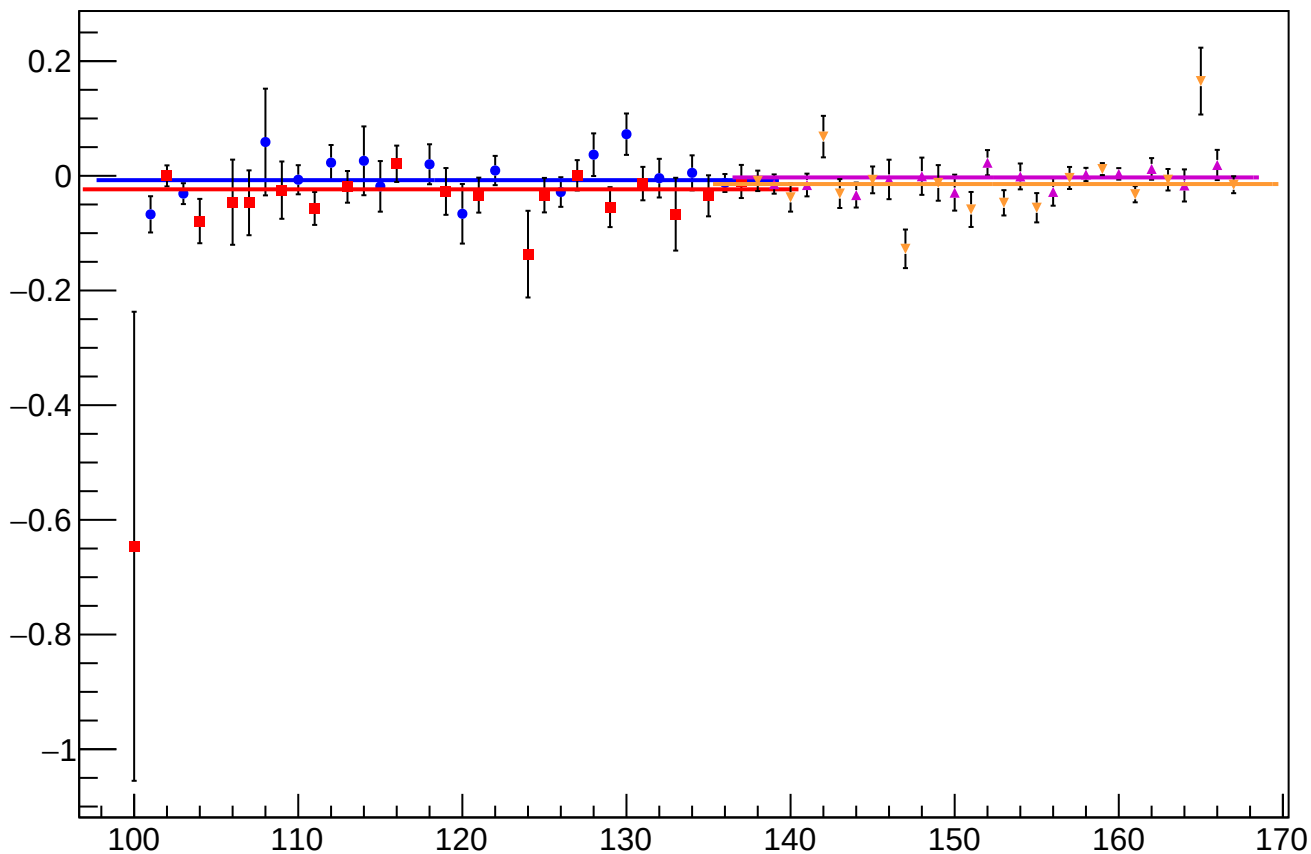
Left In: 0.001+/-0.000 χ^2/NDF : 2022841.9/13

+ sign 0.001+/-0.000 χ^2/NDF : 3333814.8/31

All: 0.001+/-0.000 χ^2/NDF : 10469960.0/64

- sign 0.001+/-0.000 χ^2/NDF : 6739321.7/32

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: -0.014 ± 0.005 χ^2/NDF : 42.7/15

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

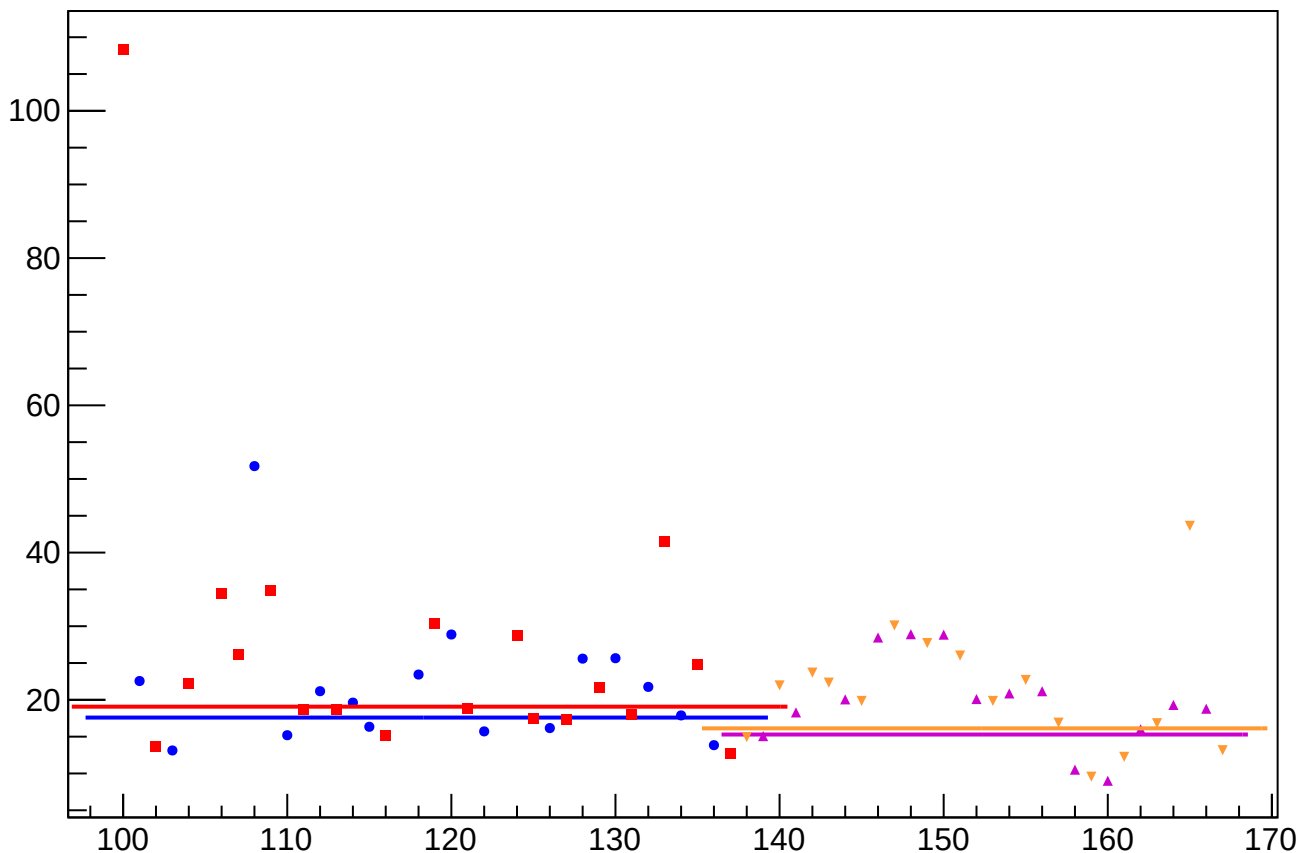
Left In: -0.003 ± 0.005 χ^2/NDF : 8.2/13

+ sign -0.012 ± 0.004 χ^2/NDF : 60.0/31

All: -0.011 ± 0.003 χ^2/NDF : 88.2/64

- sign -0.009 ± 0.004 χ^2/NDF : 27.9/32

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: 16.125 $\pm$ 0.004 χ^2/NDF : 2870242.1/15

Right Out: 19.072 $\pm$ 0.005 χ^2/NDF : 1247904.7/18

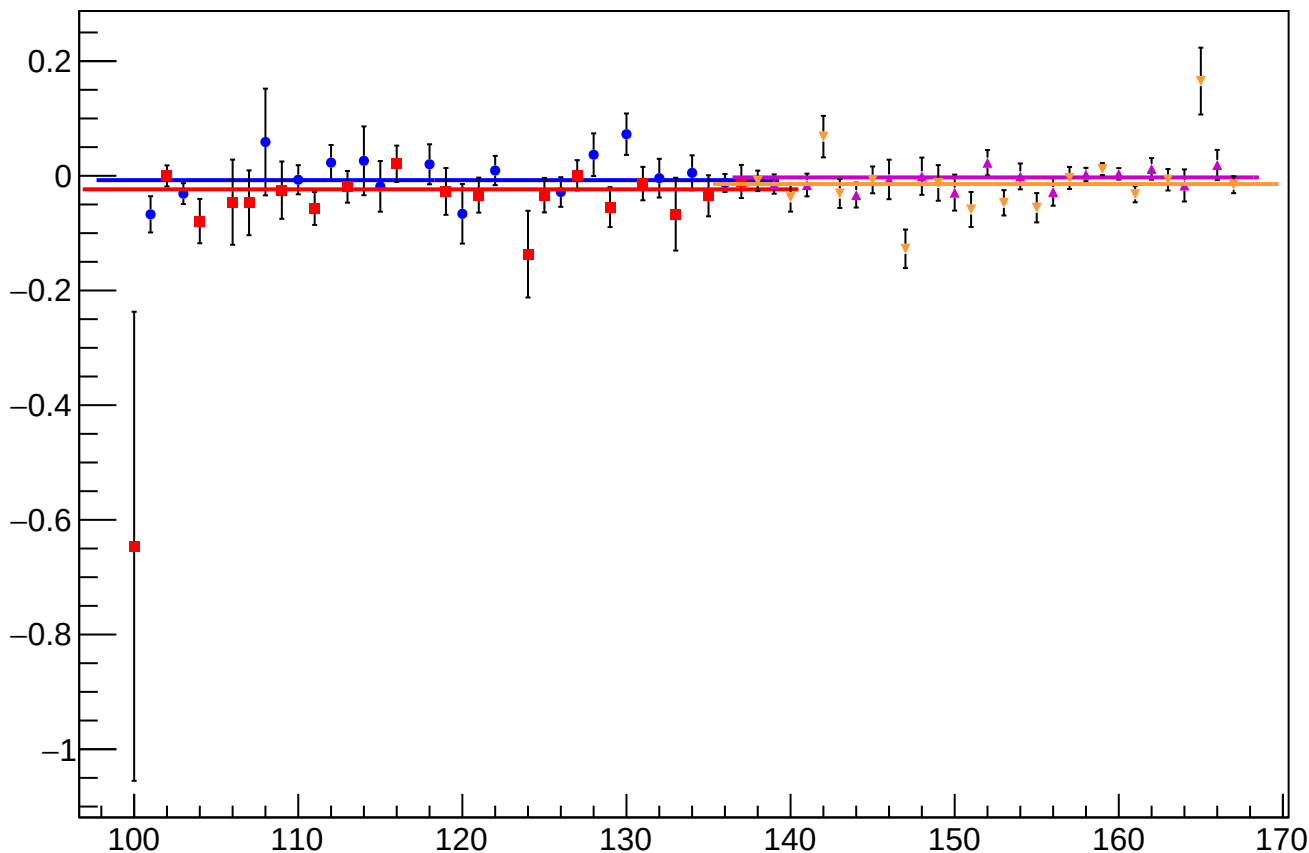
Left In: 15.289 $\pm$ 0.004 χ^2/NDF : 2704349.3/13

+ sign 16.601 $\pm$ 0.003 χ^2/NDF : 3919557.8/31

All: 16.507 $\pm$ 0.002 χ^2/NDF : 8210130.6/64

- sign 16.408 $\pm$ 0.003 χ^2/NDF : 4288423.8/32

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: -0.014 ± 0.005 χ^2/NDF : 42.7/15

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

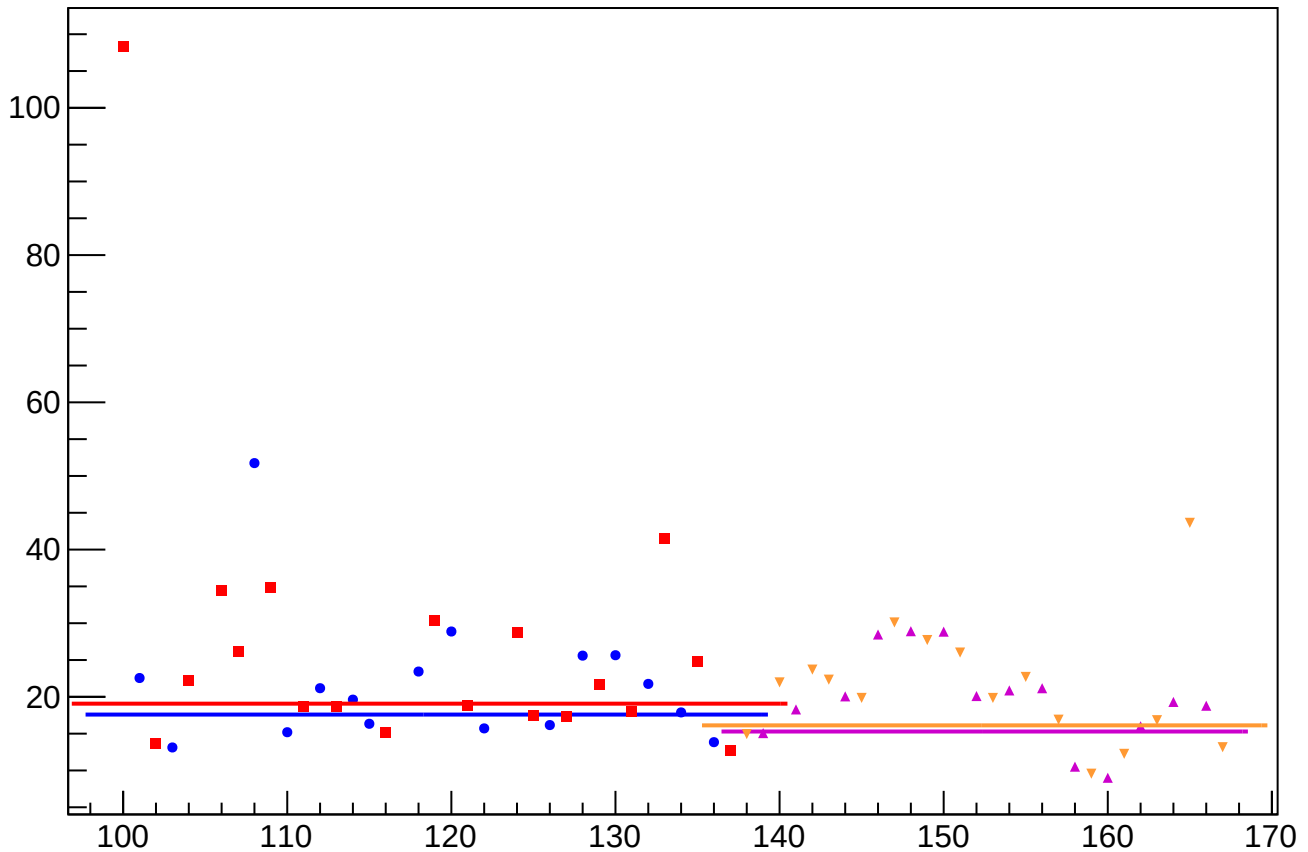
Left In: -0.003 ± 0.005 χ^2/NDF : 8.2/13

+ sign -0.012 ± 0.004 χ^2/NDF : 60.0/31

All: -0.011 ± 0.003 χ^2/NDF : 88.2/64

- sign -0.009 ± 0.004 χ^2/NDF : 27.9/32

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF : 993288.6/15

Left Out: 16.125+/-0.004 χ^2/NDF : 2870242.1/15

Right Out: 19.072+/-0.005 χ^2/NDF : 1247904.7/18

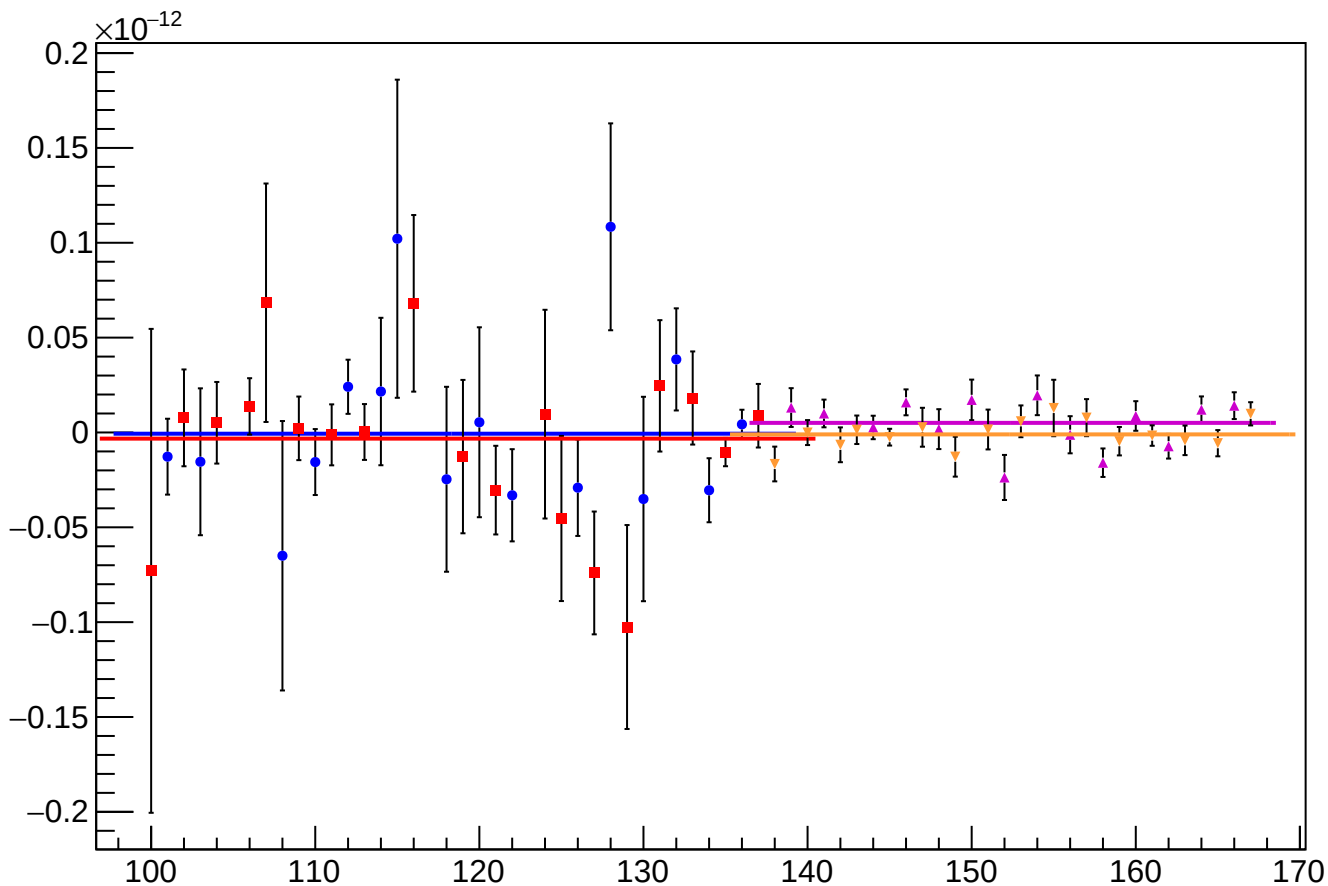
Left In: 15.289+/-0.004 χ^2/NDF : 2704349.3/13

+ sign 16.601+/-0.003 χ^2/NDF : 3919557.8/31

All: 16.507+/-0.002 χ^2/NDF : 8210130.6/64

- sign 16.408+/-0.003 χ^2/NDF : 4288423.8/32

asym_sam_15_37_dd_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:11.3/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/18

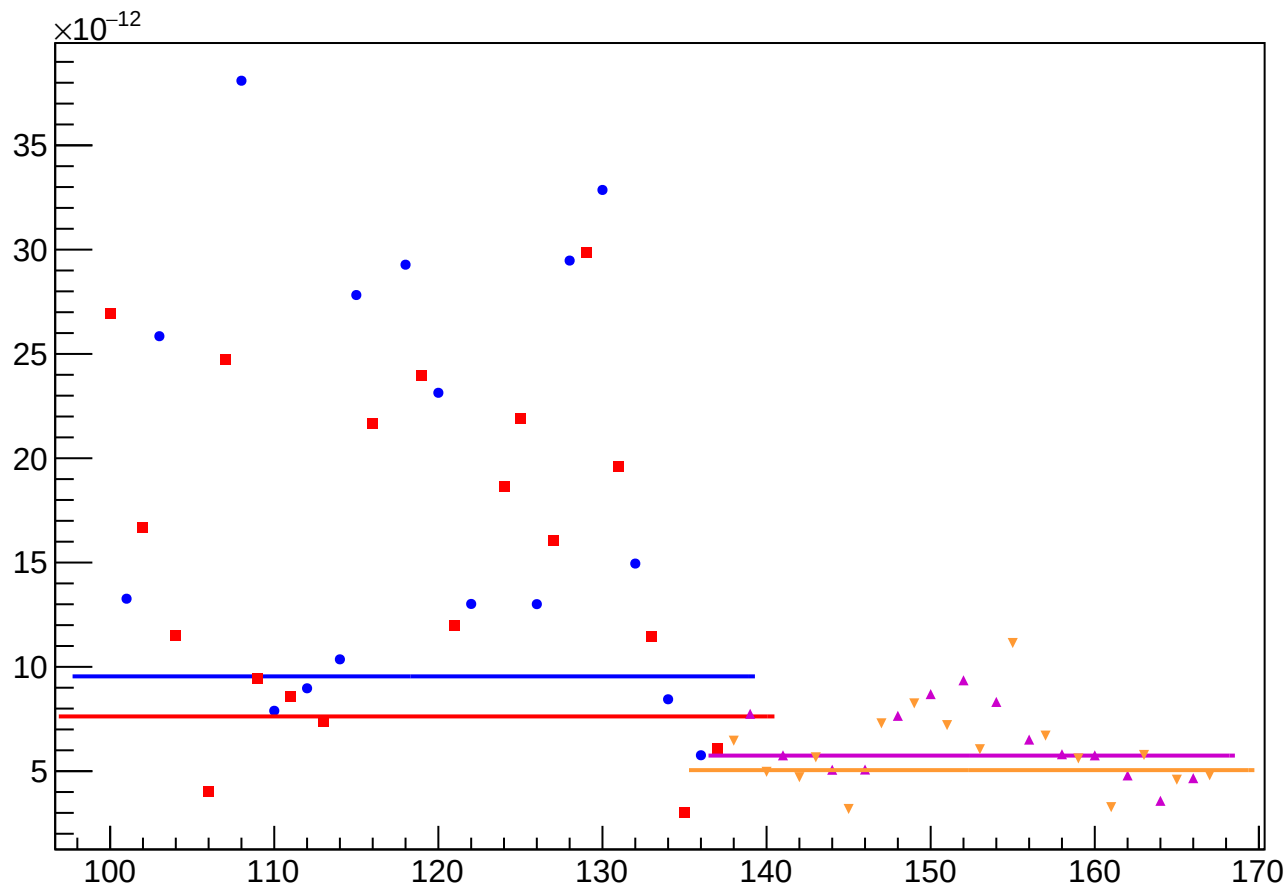
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.6/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 84.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.6/32

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2632531.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1463571.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3086000.4/18

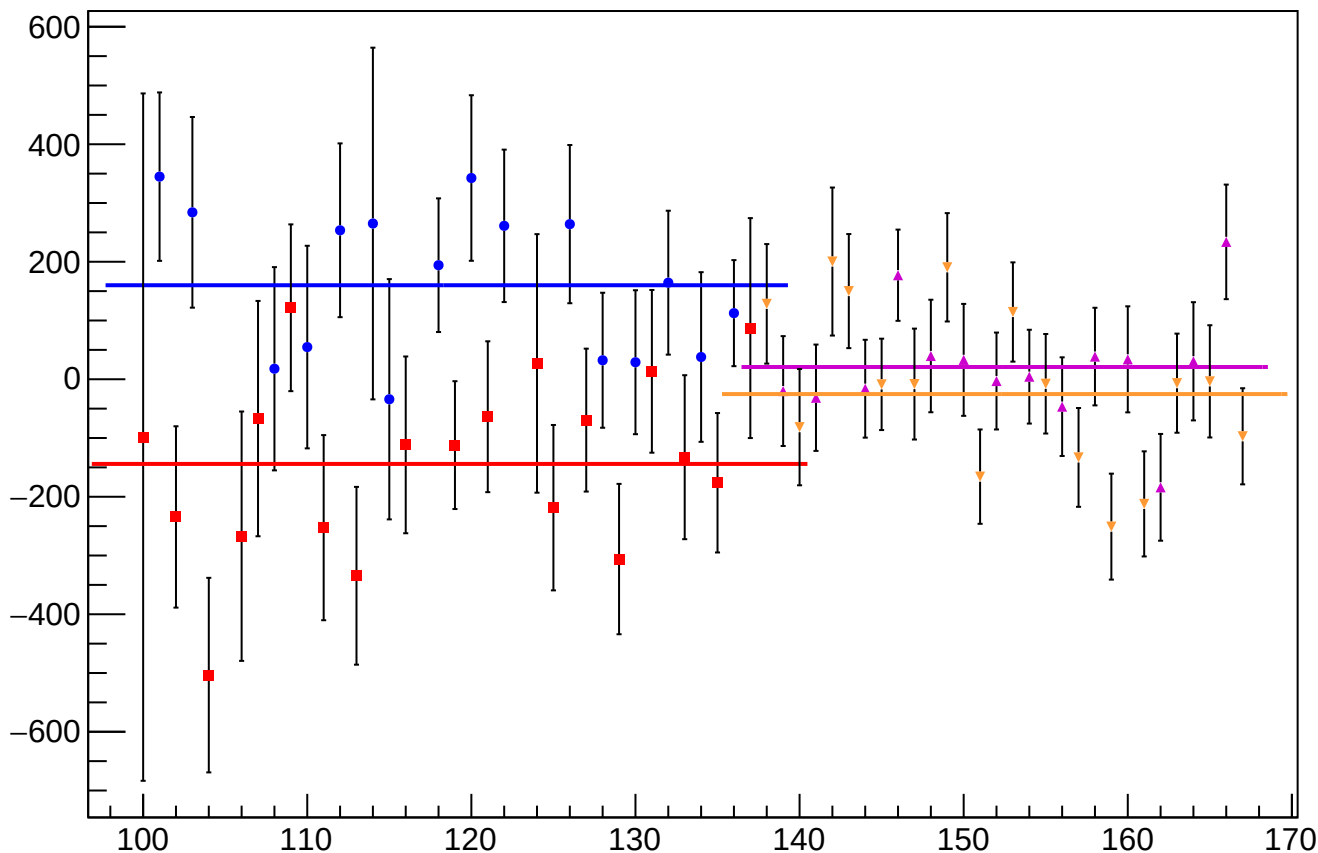
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:939117.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5482817.5/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9870406.4/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4310534.8/32

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: -25.207 $\pm$ 22.436 χ^2 /NDF:33.6/15

Right Out: -144.117 $\pm$ 34.213 χ^2 /NDF: 17.4/18

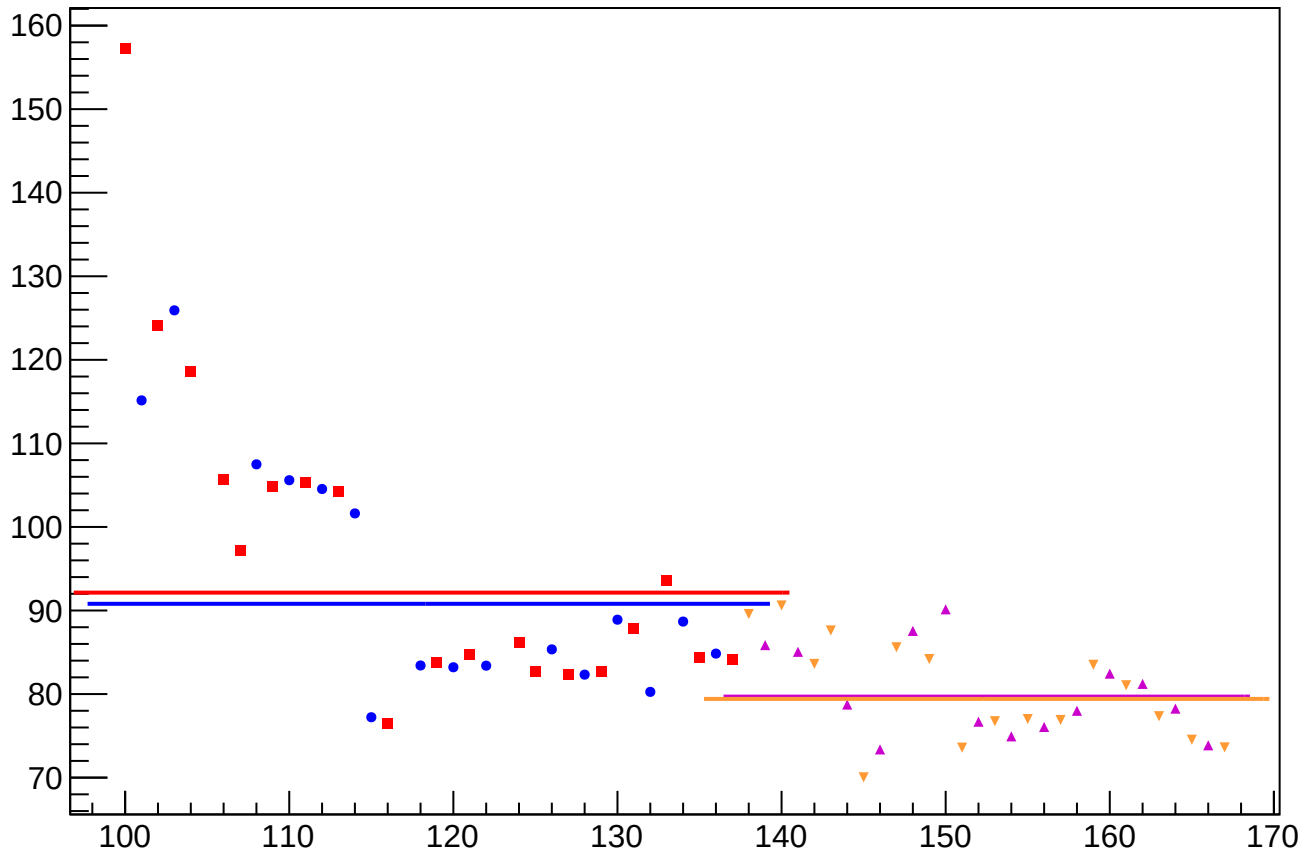
Left In: 20.839 $\pm$ 23.541 χ^2 /NDF:15.5/13

+ sign 30.594 $\pm$ 18.755 χ^2 /NDF: 65.2/31

All: 0.266 $\pm$ 13.482 χ^2 /NDF: 119.3/64

- sign -32.165 $\pm$ 19.394 χ^2 /NDF: 48.7/32

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272755.2/15

Left Out: 79.421 $\pm$ 0.016 χ^2 /NDF: 142195.3/15

Right Out: 92.141 $\pm$ 0.024 χ^2 /NDF: 302032.4/18

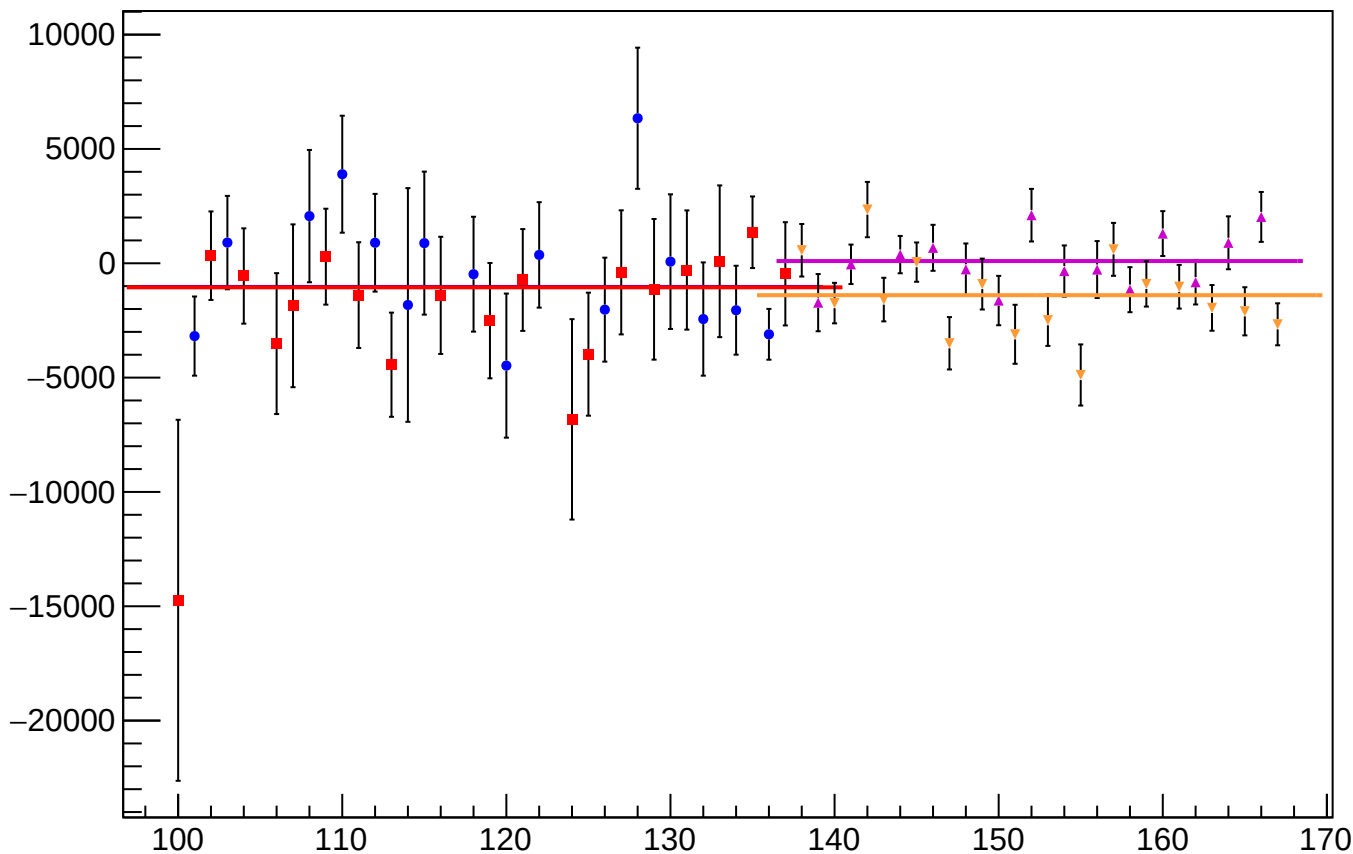
Left In: 79.696 $\pm$ 0.017 χ^2 /NDF: 91053.4/13

+ sign 82.849 $\pm$ 0.013 χ^2 /NDF: 569984.3/31

All: 83.258 $\pm$ 0.010 χ^2 /NDF: 1144625.9/64

- sign 83.695 $\pm$ 0.014 χ^2 /NDF: 572676.3/32

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032 ± 550.207 χ^2/NDF : 20.2/15

Left Out: -1395.545 ± 261.342 χ^2/NDF : 34.7/15

Right Out: -1051.517 ± 568.935 χ^2/NDF : 12.9/18

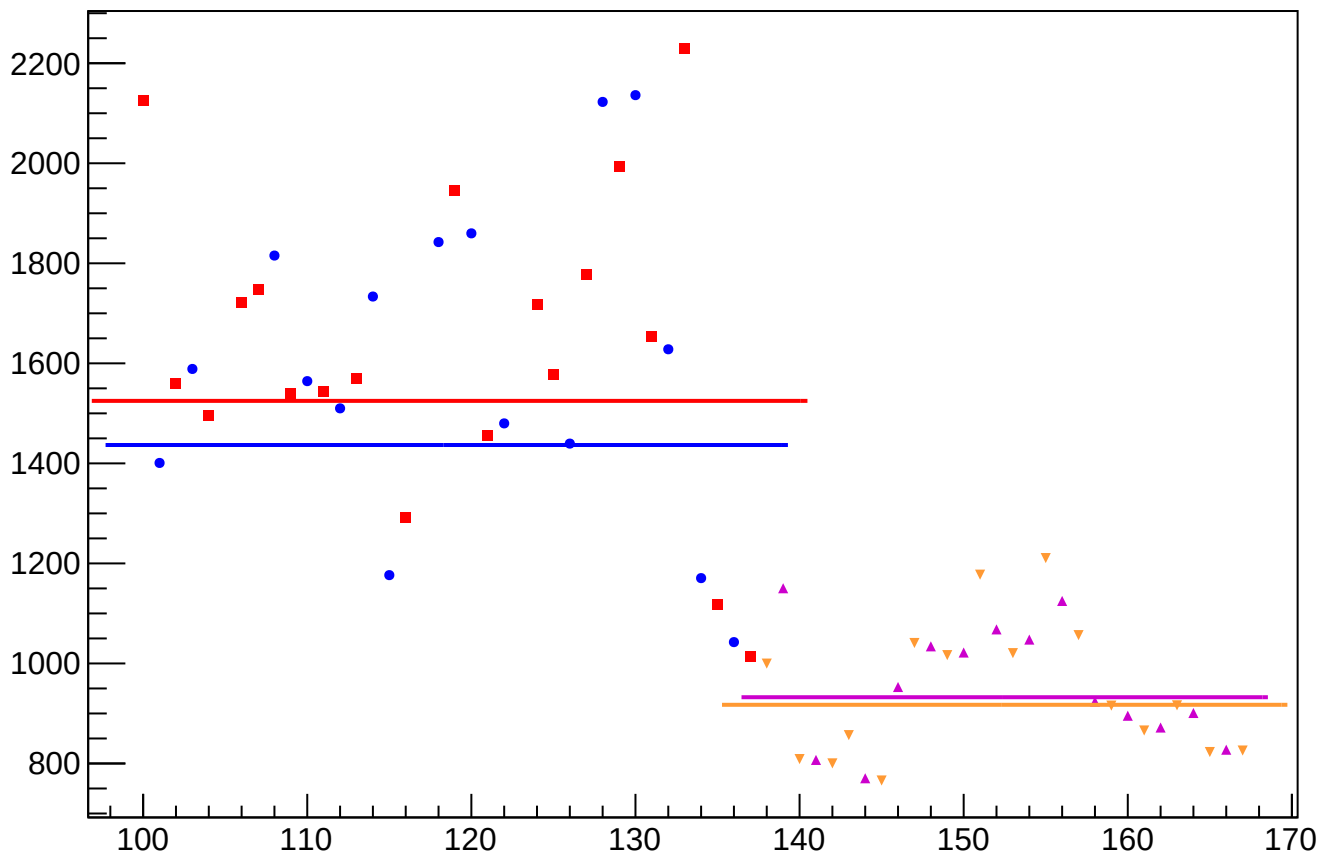
Left In: 97.649 ± 277.136 χ^2/NDF : 16.2/13

+ sign -1329.180 ± 236.066 χ^2/NDF : 55.3/31

All: -758.464 ± 171.362 χ^2/NDF : 100.0/64

- sign -122.734 ± 249.149 χ^2/NDF : 32.3/32

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF : 675672.3/15

Left Out: 917.334+/-0.185 χ^2/NDF : 433359.0/15

Right Out: 1524.955+/-0.402 χ^2/NDF : 504563.9/18

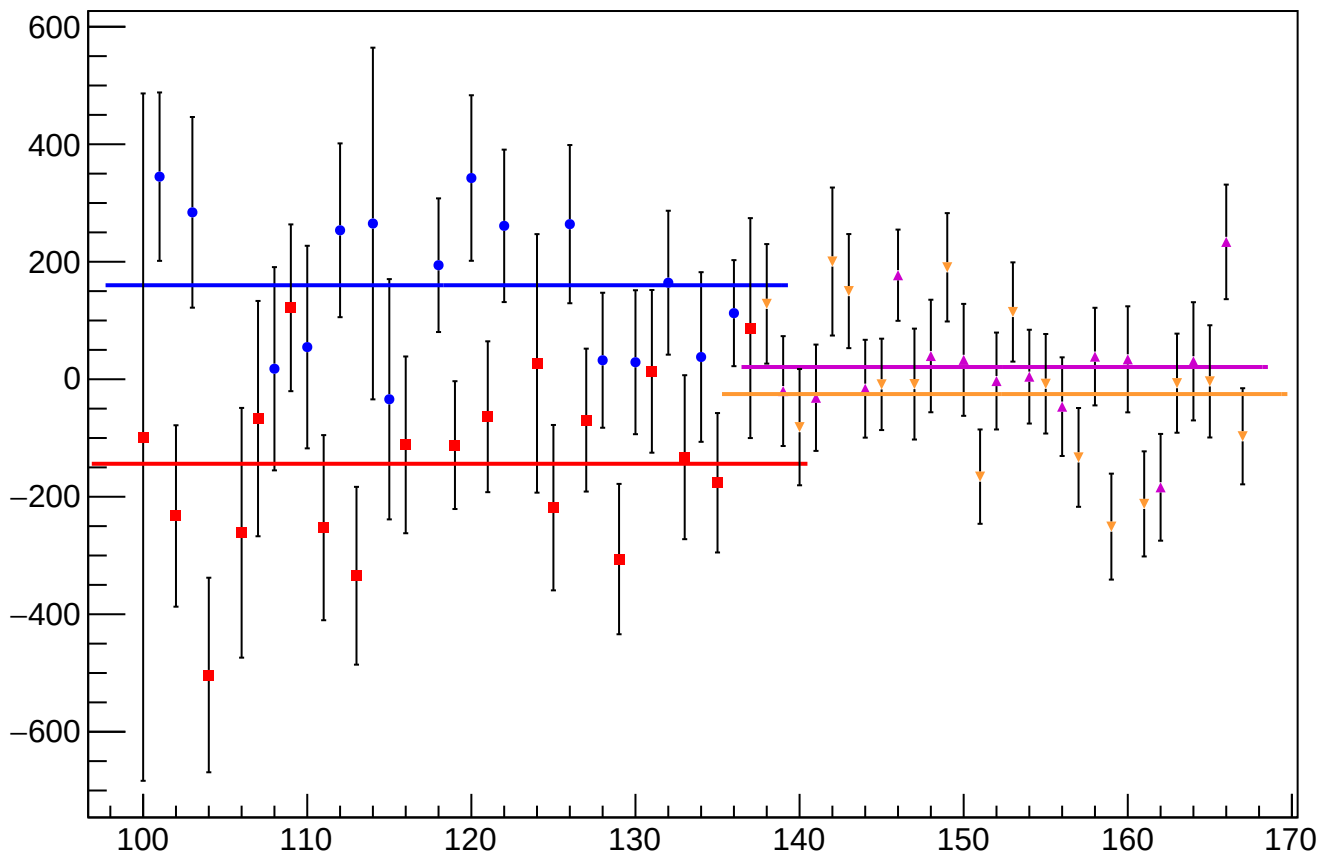
Left In: 932.476+/-0.196 χ^2/NDF : 339802.6/13

+ sign 1012.947+/-0.167 χ^2/NDF : 2563245.5/31

All: 1028.629+/-0.121 χ^2/NDF : 5179280.7/64

- sign 1046.099+/-0.176 χ^2/NDF : 2597375.5/32

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: -25.203 $\pm$ 22.436 χ^2 /NDF:33.6/15

Right Out: -143.862 $\pm$ 34.216 χ^2 /NDF: 17.3/18

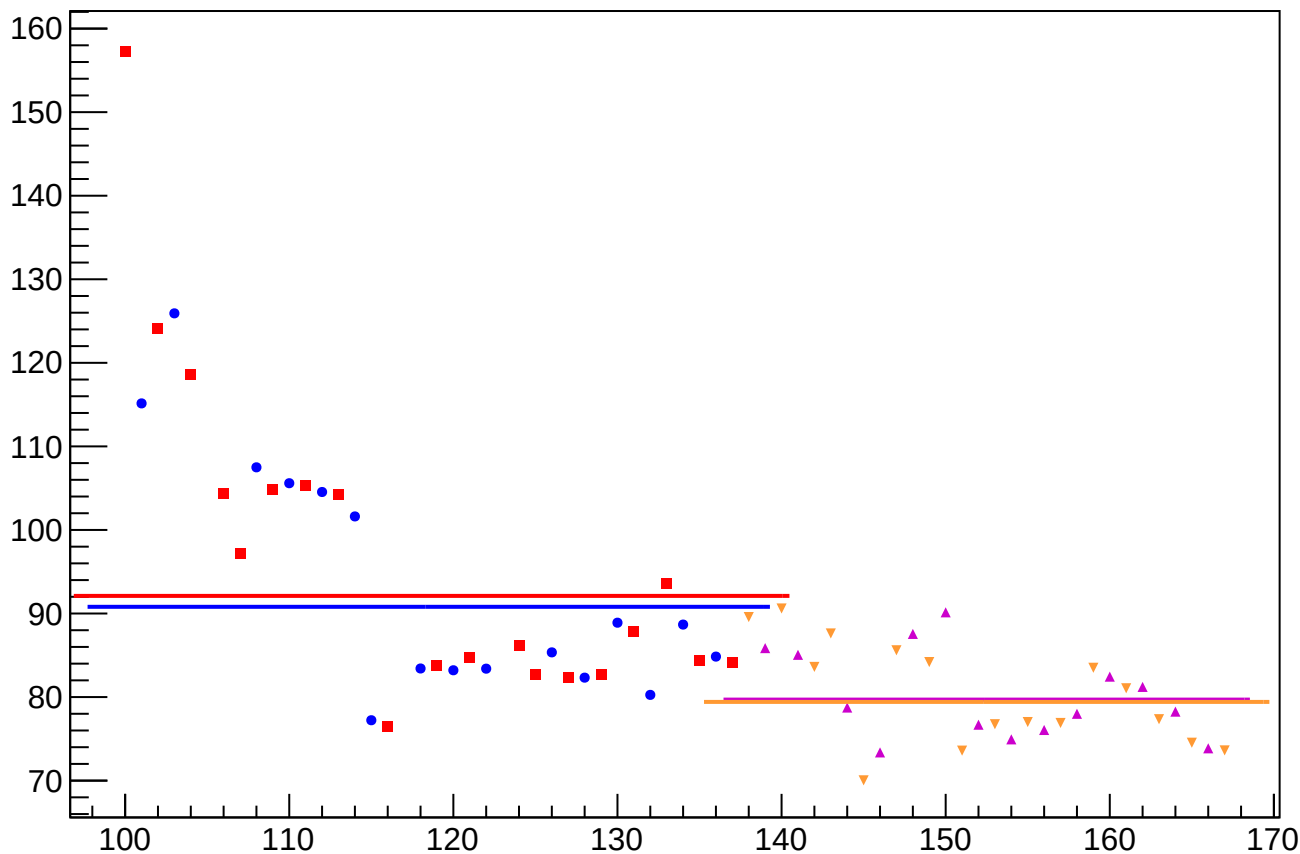
Left In: 20.839 $\pm$ 23.541 χ^2 /NDF:15.5/13

+ sign 30.596 $\pm$ 18.755 χ^2 /NDF: 65.2/31

All: 0.310 $\pm$ 13.482 χ^2 /NDF: 119.2/64

- sign -32.078 $\pm$ 19.394 χ^2 /NDF: 48.6/32

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272757.0/15

Left Out: 79.421 $\pm$ 0.016 χ^2 /NDF: 142195.3/15

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

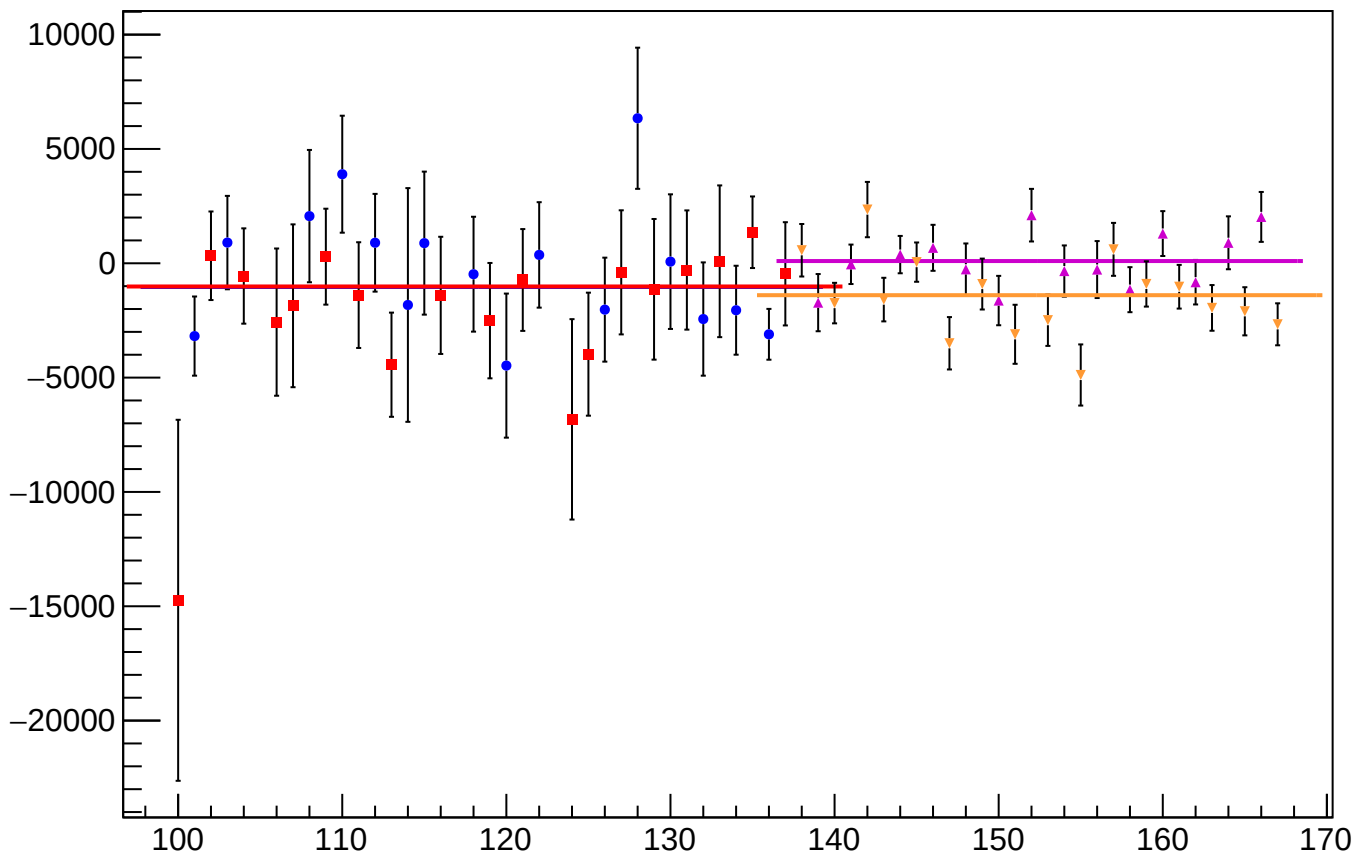
Left In: 79.696 $\pm$ 0.017 χ^2 /NDF: 91053.4/13

+ sign 82.849 $\pm$ 0.013 χ^2 /NDF: 569986.3/31

All: 83.253 $\pm$ 0.010 χ^2 /NDF: 1142344.1/64

- sign 83.684 $\pm$ 0.014 χ^2 /NDF: 570443.2/32

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: -1395.539 $\pm$ 261.342 χ^2/NDF : 34.7/15

Right Out: -1015.387 $\pm$ 569.773 χ^2/NDF : 12.5/18

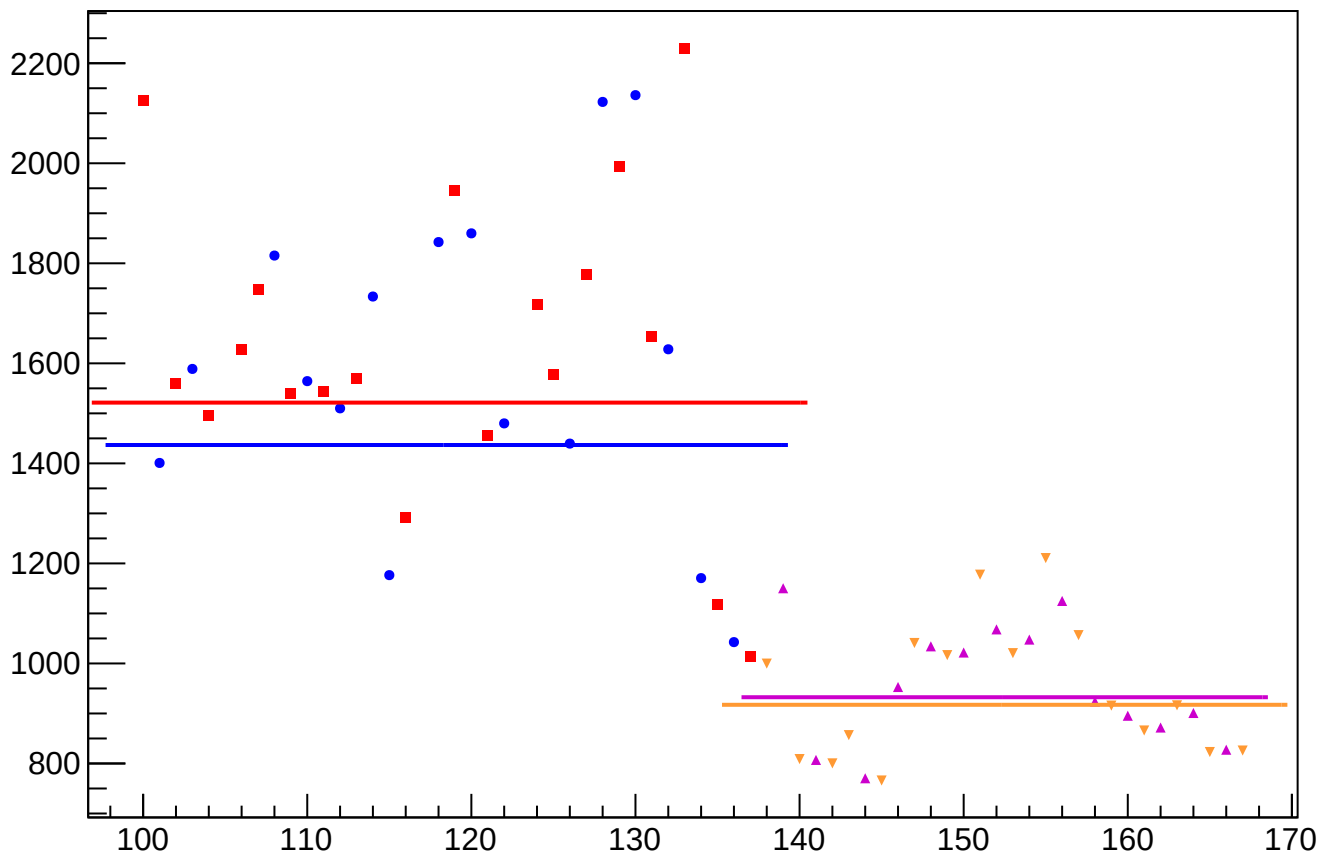
Left In: 97.646 $\pm$ 277.136 χ^2/NDF : 16.2/13

+ sign -1329.172 $\pm$ 236.066 χ^2/NDF : 55.3/31

All: -755.114 $\pm$ 171.385 χ^2/NDF : 99.5/64

- sign -115.300 $\pm$ 249.219 χ^2/NDF : 31.7/32

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: 917.334 $\pm$ 0.185 χ^2 /NDF: 433360.1/15

Right Out: 1521.496 $\pm$ 0.403 χ^2 /NDF: 498363.4/18

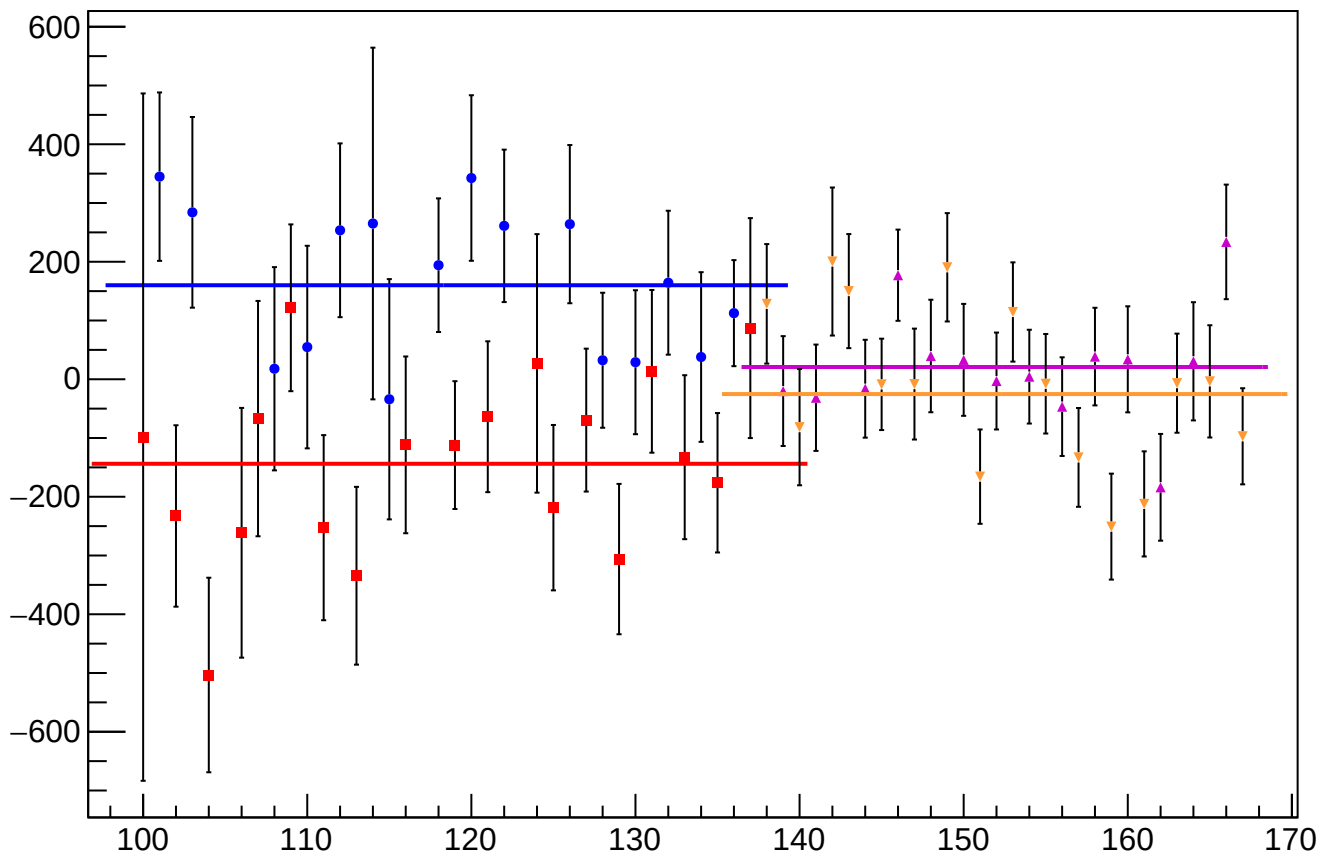
Left In: 932.476 $\pm$ 0.196 χ^2 /NDF: 339802.9/13

+ sign 1012.947 $\pm$ 0.167 χ^2 /NDF: 2563269.4/31

All: 1028.184 $\pm$ 0.121 χ^2 /NDF: 5147536.2/64

- sign 1045.167 $\pm$ 0.176 χ^2 /NDF: 2566646.6/32

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 ± 34.170 $\chi^2/\text{NDF}: 11.1/15$

Left Out: -25.203 ± 22.436 $\chi^2/\text{NDF}: 33.6/15$

Right Out: -143.862 ± 34.216 $\chi^2/\text{NDF}: 17.3/18$

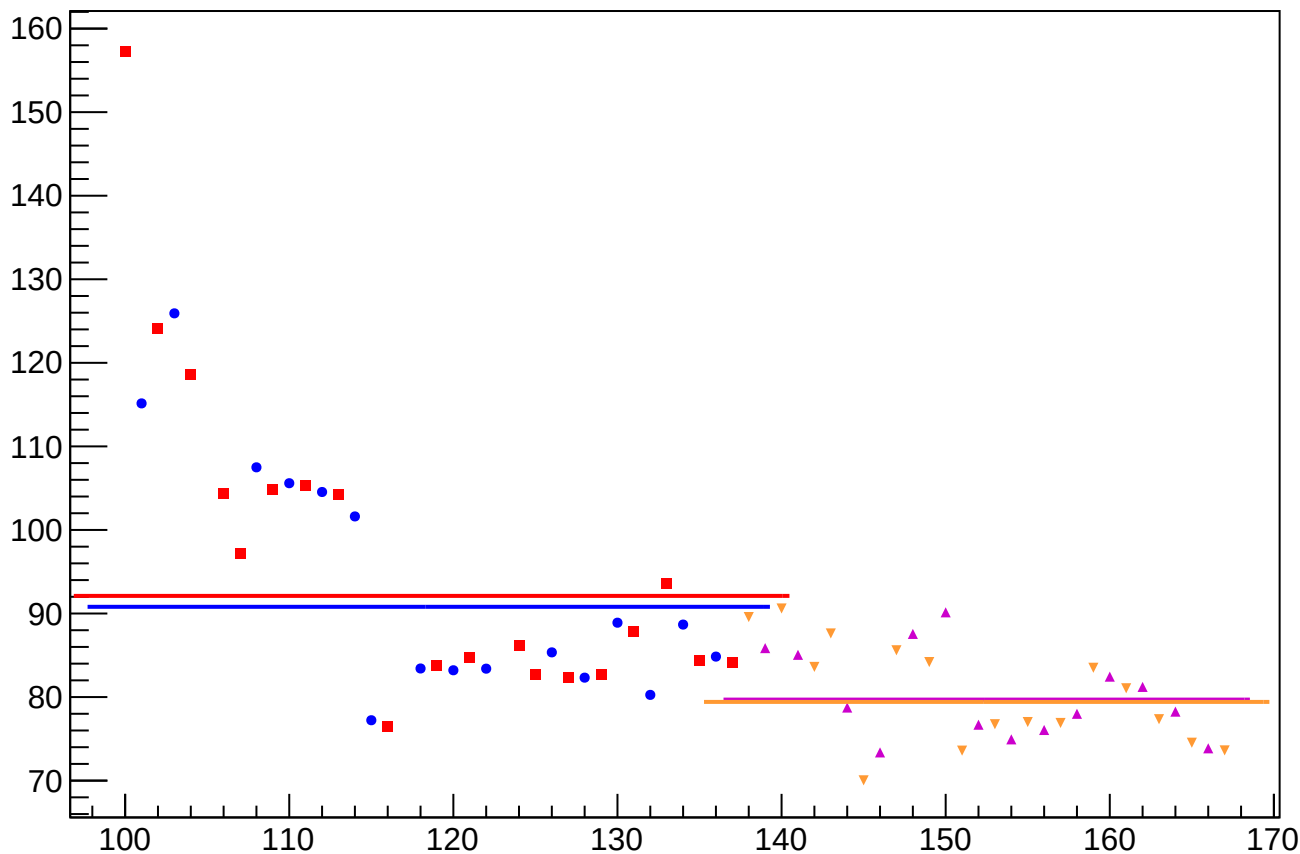
Left In: 20.839 ± 23.541 $\chi^2/\text{NDF}: 15.5/13$

+ sign 30.596 ± 18.755 $\chi^2/\text{NDF}: 65.2/31$

All: 0.310 ± 13.482 $\chi^2/\text{NDF}: 119.2/64$

- sign -32.078 ± 19.394 $\chi^2/\text{NDF}: 48.6/32$

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: 79.421 $\pm$ 0.016 χ^2 /NDF: 142195.3/15

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

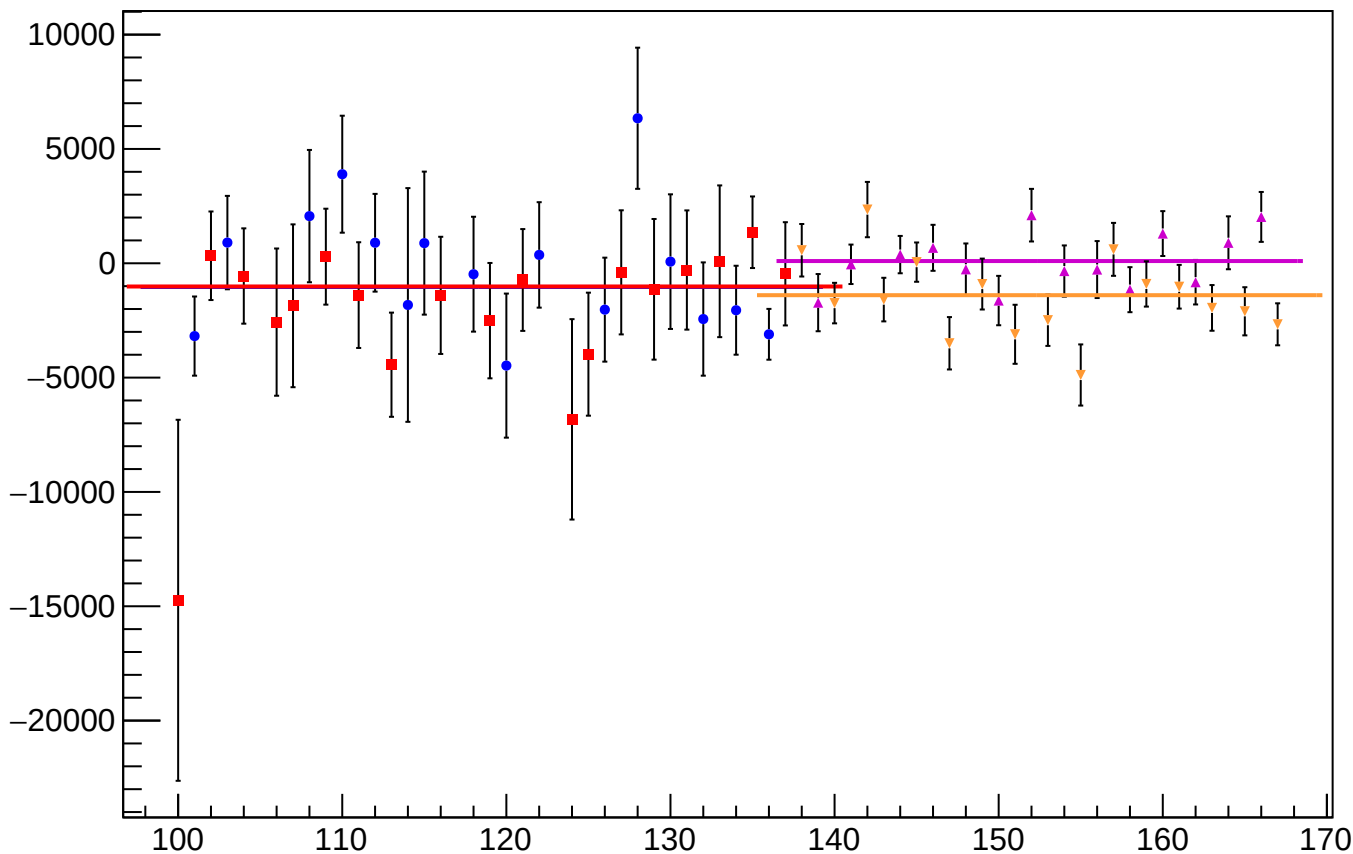
Left In: 79.696 $\pm$ 0.017 χ^2 /NDF: 91053.4/13

+ sign 82.849 $\pm$ 0.013 χ^2 /NDF: 569986.3/31

All: 83.253 $\pm$ 0.010 χ^2 /NDF: 1142344.1/64

- sign 83.684 $\pm$ 0.014 χ^2 /NDF: 570443.2/32

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1035.009 ± 550.208 χ^2/NDF : 20.2/15

Left Out: -1395.539 ± 261.342 χ^2/NDF : 34.7/15

Right Out: -1015.387 ± 569.773 χ^2/NDF : 12.5/18

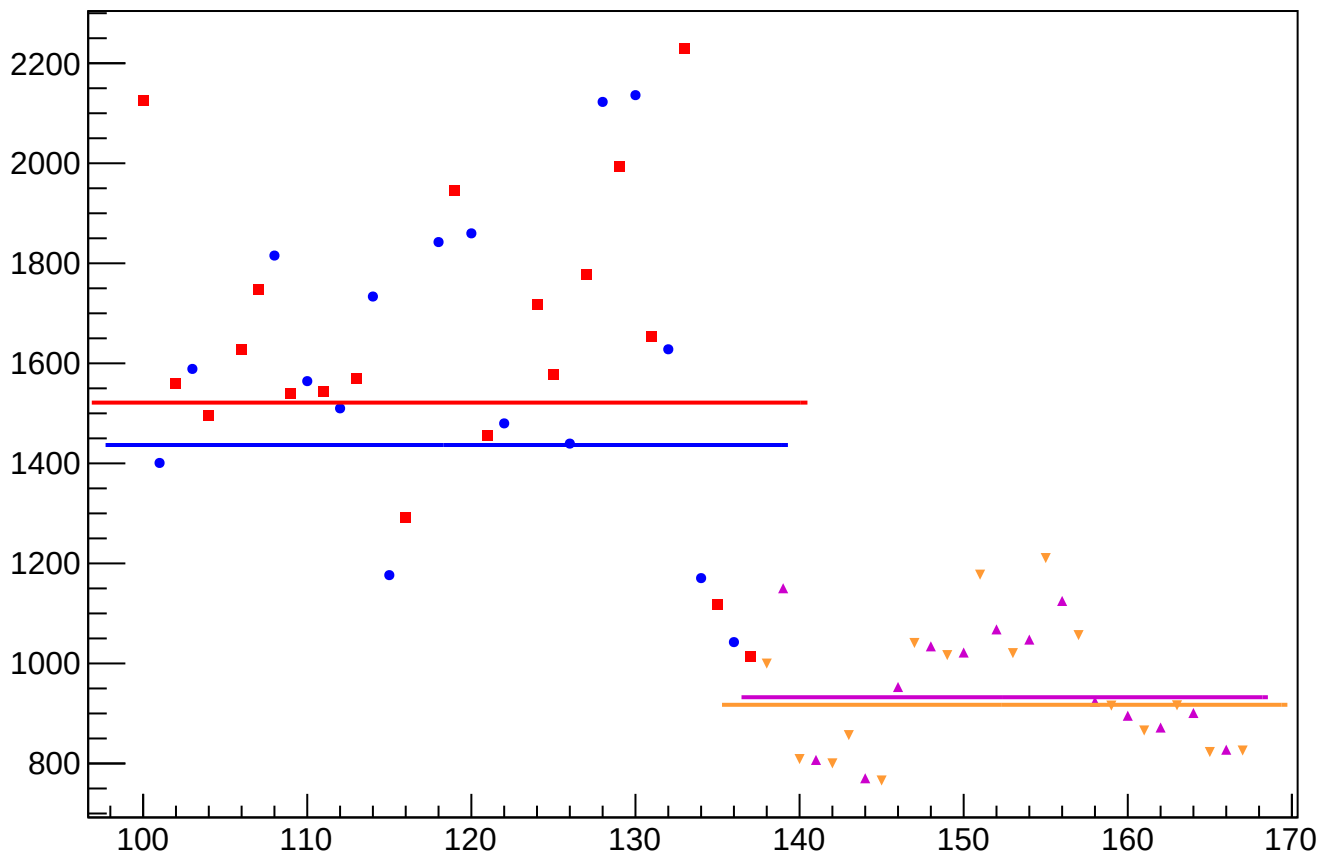
Left In: 97.646 ± 277.136 χ^2/NDF : 16.2/13

+ sign -1329.172 ± 236.066 χ^2/NDF : 55.3/31

All: -755.114 ± 171.385 χ^2/NDF : 99.5/64

- sign -115.300 ± 249.219 χ^2/NDF : 31.7/32

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738 $\pm$ 0.389 χ^2 /NDF: 675680.8/15

Left Out: 917.334 $\pm$ 0.185 χ^2 /NDF: 433360.1/15

Right Out: 1521.496 $\pm$ 0.403 χ^2 /NDF: 498363.4/18

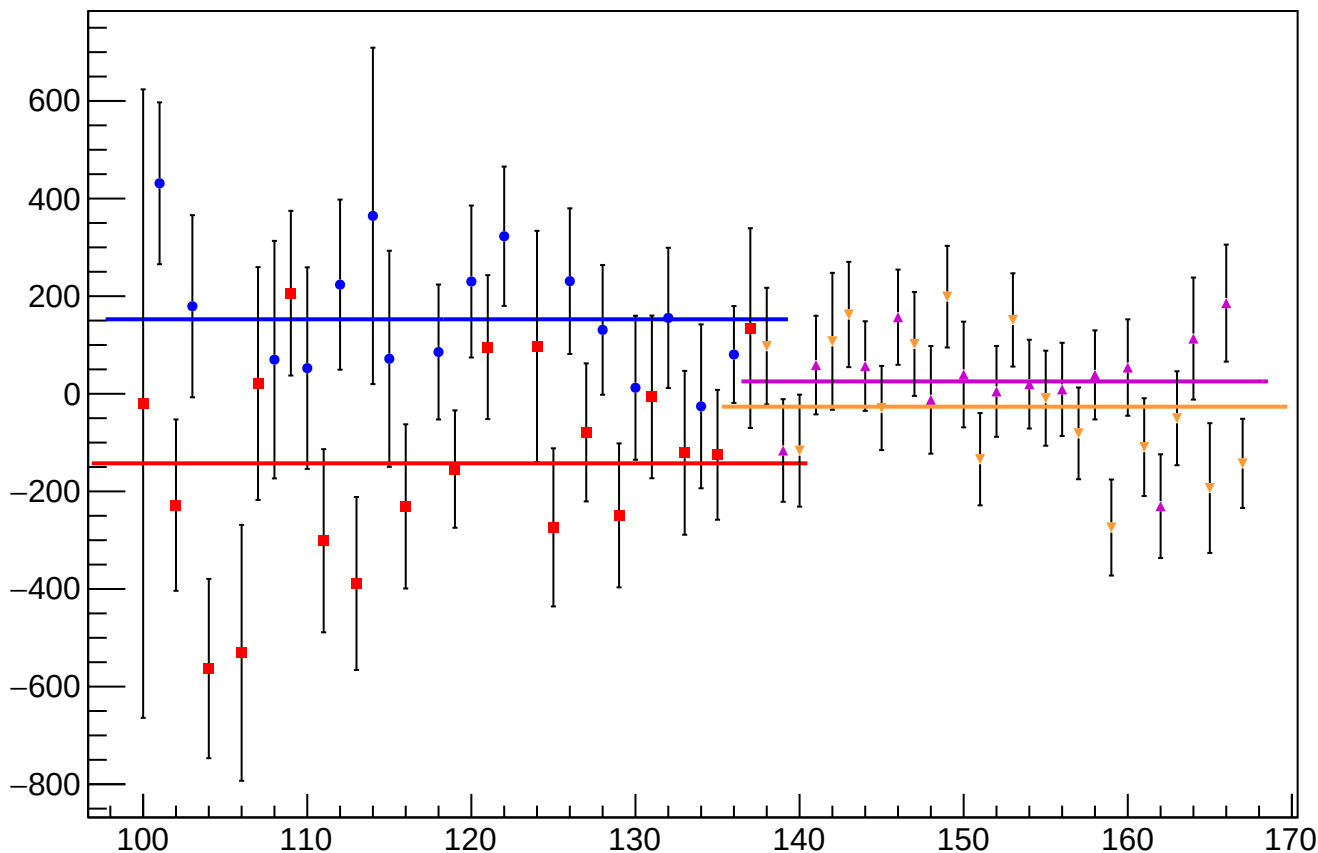
Left In: 932.476 $\pm$ 0.196 χ^2 /NDF: 339802.9/13

+ sign 1012.947 $\pm$ 0.167 χ^2 /NDF: 2563269.4/31

All: 1028.184 $\pm$ 0.121 χ^2 /NDF: 5147536.2/64

- sign 1045.167 $\pm$ 0.176 χ^2 /NDF: 2566646.6/32

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626 ± 39.446 $\chi^2/\text{NDF}: 8.6/15$

Left Out: -26.447 ± 25.607 $\chi^2/\text{NDF}: 27.2/15$

Right Out: -142.496 ± 39.340 $\chi^2/\text{NDF}: 22.9/18$

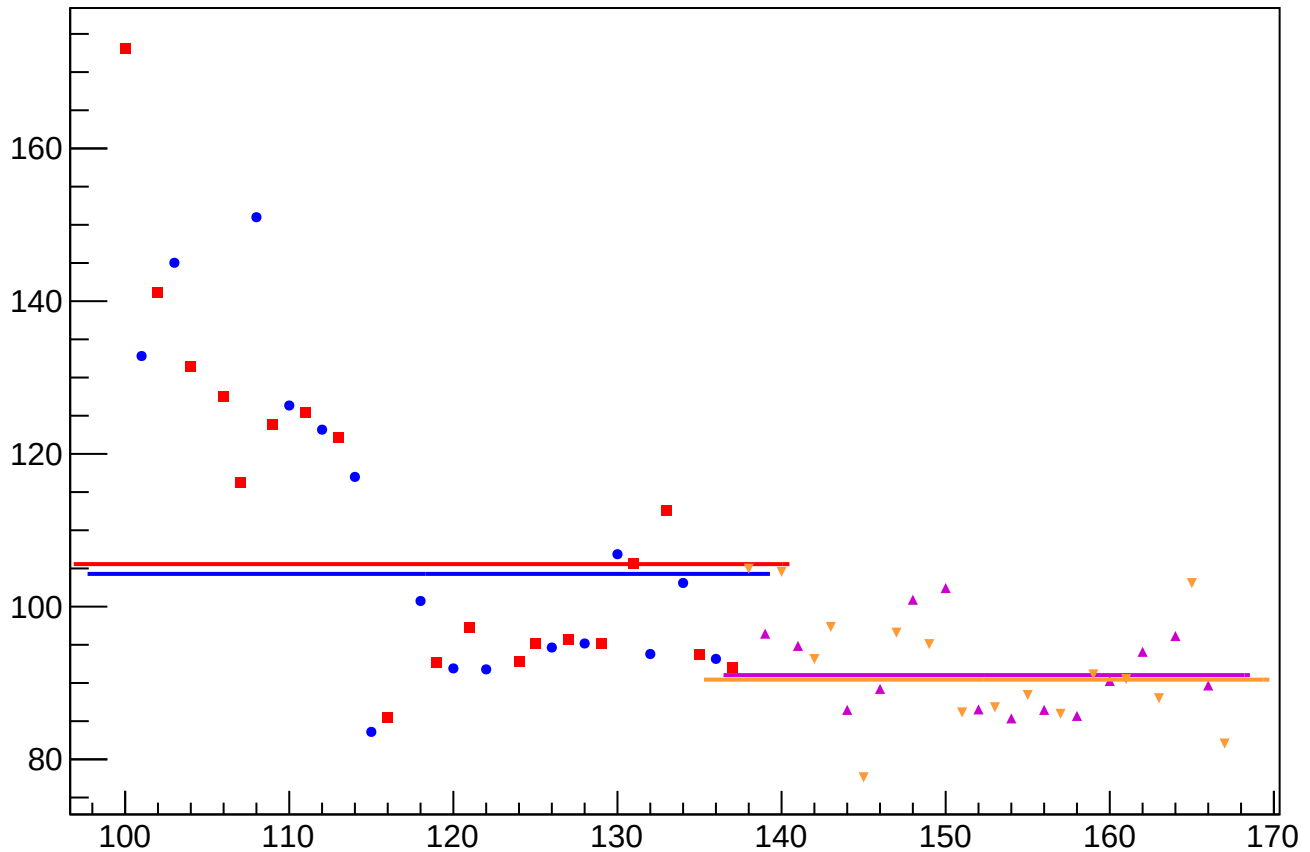
Left In: 25.349 ± 27.013 $\chi^2/\text{NDF}: 12.2/13$

+ sign 26.644 ± 21.479 $\chi^2/\text{NDF}: 50.3/31$

All: 0.101 ± 15.459 $\chi^2/\text{NDF}: 101.0/64$

- sign -28.431 ± 22.269 $\chi^2/\text{NDF}: 47.5/32$

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286 $\pm$ 0.028 χ^2 /NDF: 378310.9/15

Left Out: 90.439 $\pm$ 0.018 χ^2 /NDF:172064.8/15

Right Out: 105.568 $\pm$ 0.028 χ^2 /NDF: 344605.9/18

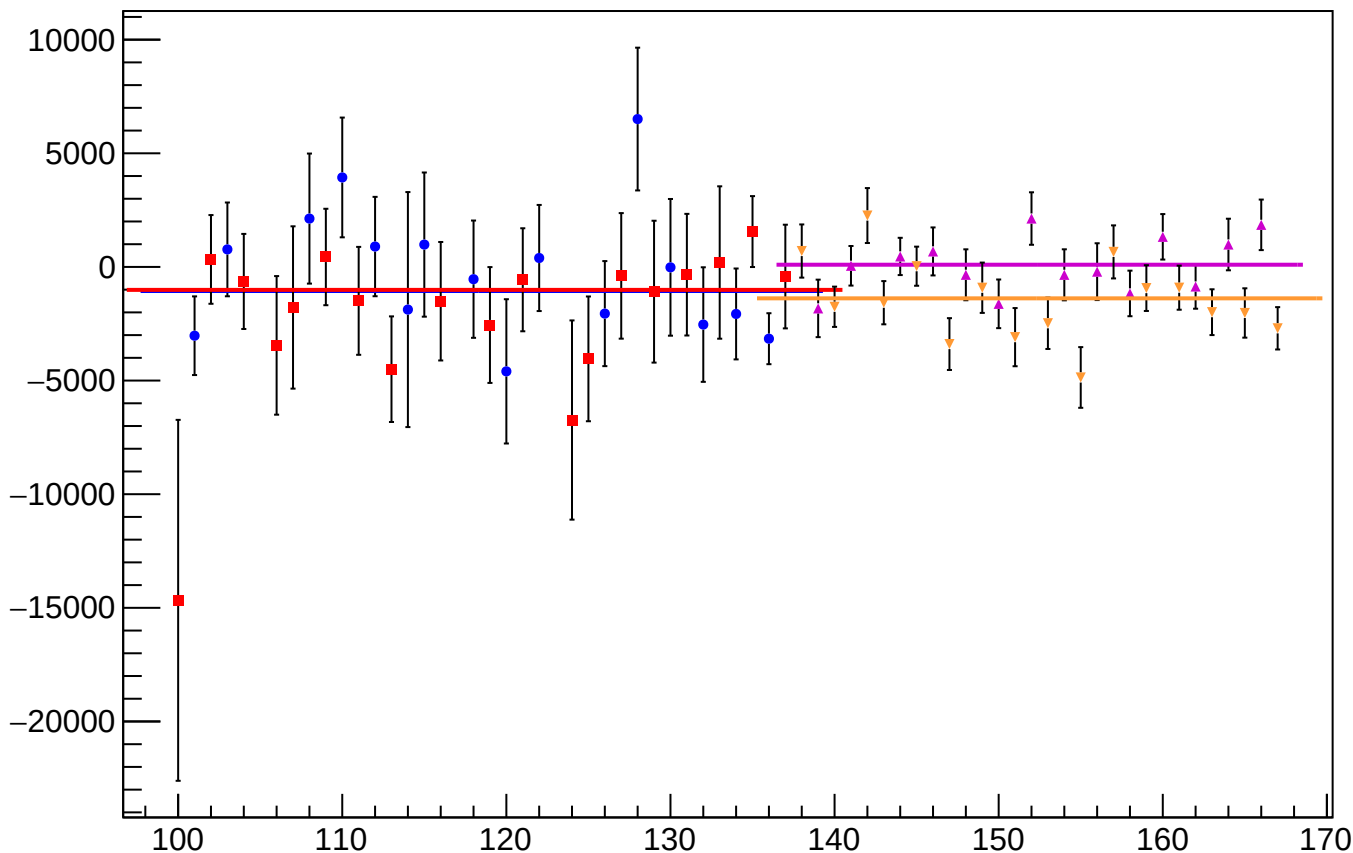
Left In: 91.032 $\pm$ 0.019 χ^2 /NDF:81210.2/13

+ sign 94.545 $\pm$ 0.015 χ^2 /NDF: 723756.1/31

All: 95.097 $\pm$ 0.011 χ^2 /NDF: 1337868.5/64

- sign 95.690 $\pm$ 0.016 χ^2 /NDF: 611371.9/32

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: -1382.301 $\pm$ 263.033 χ^2/NDF : 34.2/15

Right Out: -1009.907 $\pm$ 575.100 χ^2/NDF : 13.3/18

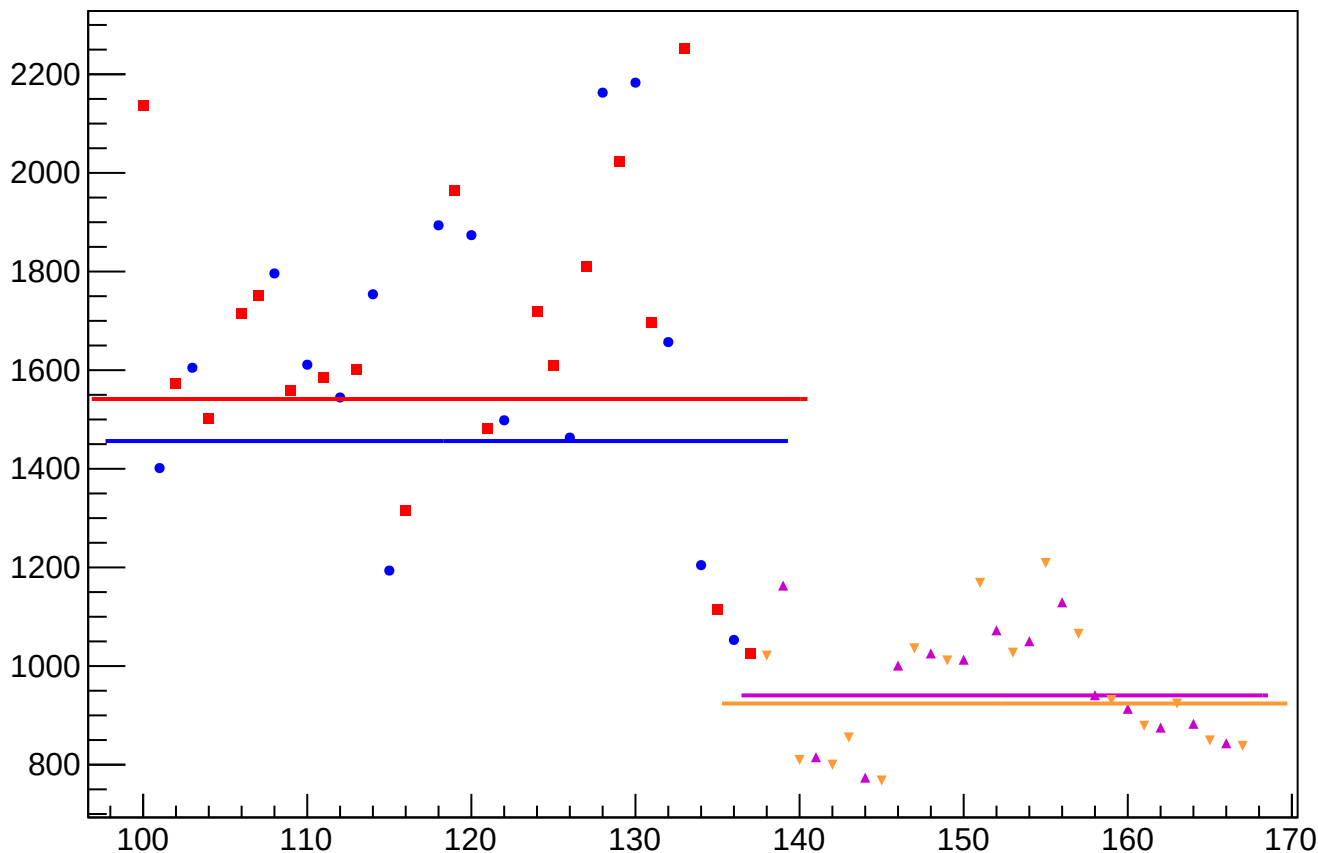
Left In: 97.196 $\pm$ 279.422 χ^2/NDF : 16.0/13

+ sign -1323.527 $\pm$ 237.896 χ^2/NDF : 54.5/31

All: -752.057 $\pm$ 172.771 χ^2/NDF : 99.0/64

- sign -114.240 $\pm$ 251.327 χ^2/NDF : 32.3/32

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF : 684806.5/15

Left Out: 924.060+/-0.186 χ^2/NDF : 417234.5/15

Right Out: 1541.522+/-0.407 χ^2/NDF : 519336.6/18

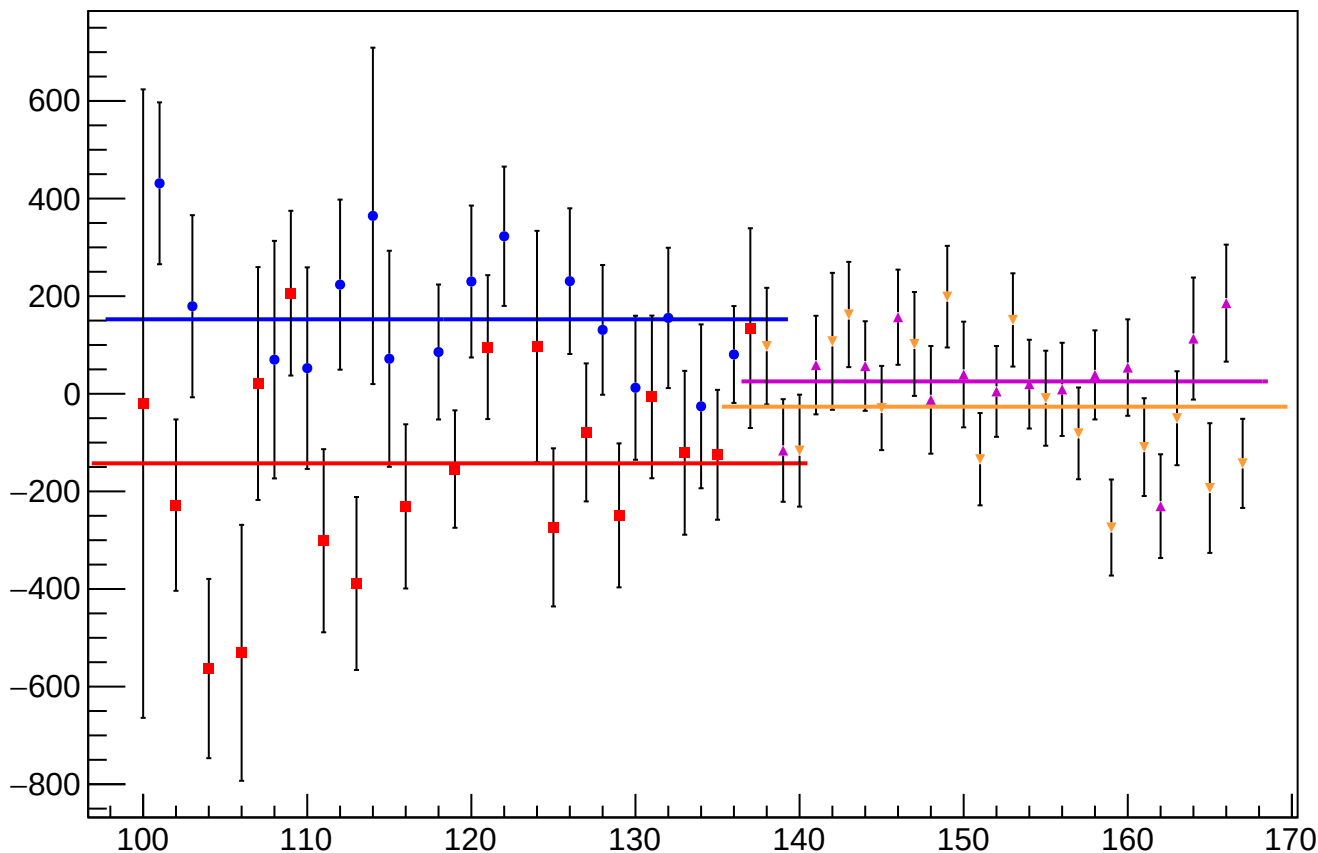
Left In: 940.526+/-0.198 χ^2/NDF : 335144.1/13

+ sign 1020.926+/-0.168 χ^2/NDF : 2592396.8/31

All: 1037.173+/-0.122 χ^2/NDF : 5233652.8/64

- sign 1055.305+/-0.178 χ^2/NDF : 2621517.7/32

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628 $\pm$ 39.446 χ^2 /NDF: 8.6/15

Left Out: -26.446 $\pm$ 25.608 χ^2 /NDF:27.2/15

Right Out: -142.494 $\pm$ 39.340 χ^2 /NDF: 22.9/18

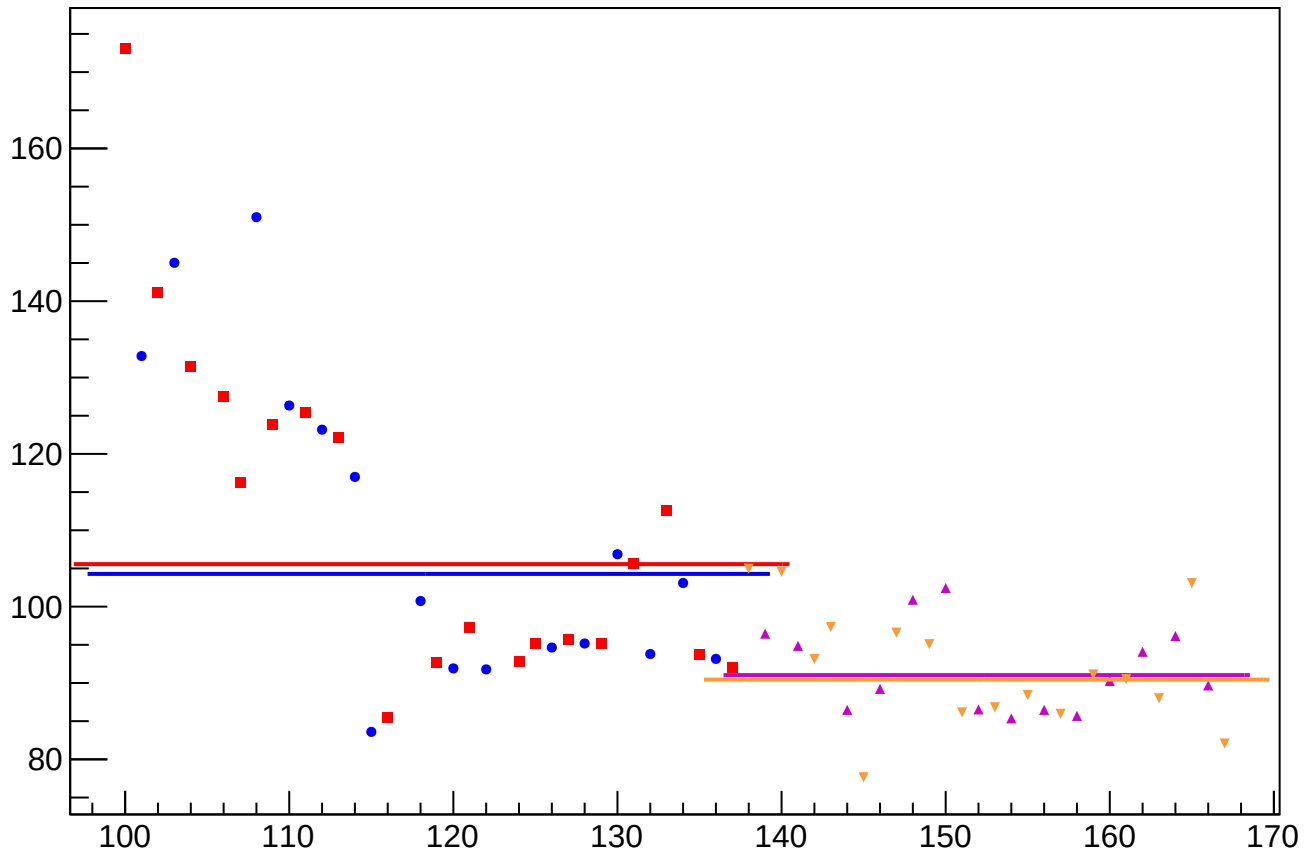
Left In: 25.350 $\pm$ 27.013 χ^2 /NDF:12.2/13

+ sign 26.647 $\pm$ 21.479 χ^2 /NDF: 50.3/31

All: 0.103 $\pm$ 15.459 χ^2 /NDF: 101.0/64

- sign -28.430 $\pm$ 22.269 χ^2 /NDF: 47.5/32

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: 90.439 $\pm$ 0.018 χ^2 /NDF:172062.4/15

Right Out: 105.567 $\pm$ 0.028 χ^2 /NDF: 344605.1/18

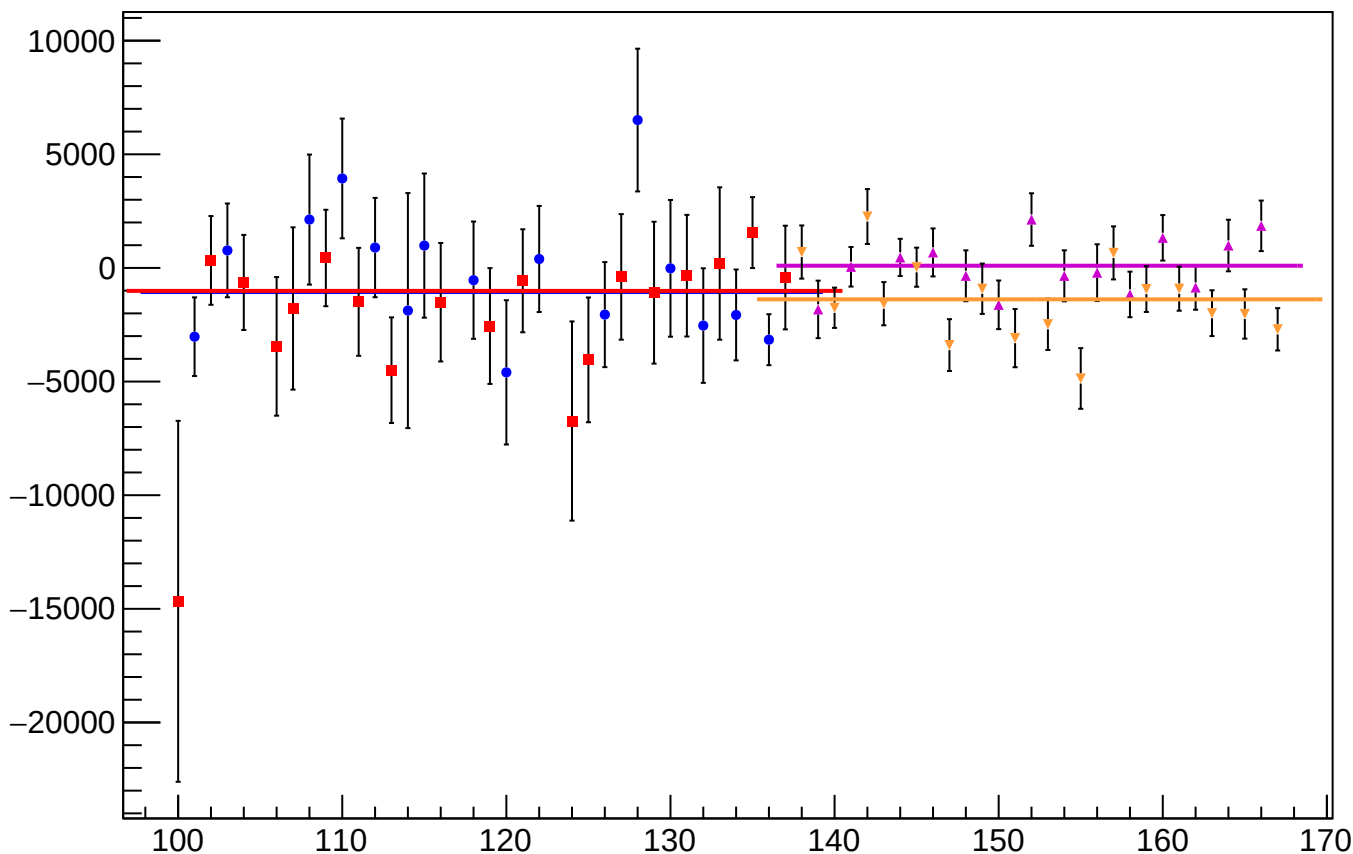
Left In: 91.032 $\pm$ 0.019 χ^2 /NDF:81209.3/13

+ sign 94.544 $\pm$ 0.015 χ^2 /NDF: 723730.7/31

All: 95.096 $\pm$ 0.011 χ^2 /NDF: 1337824.2/64

- sign 95.690 $\pm$ 0.016 χ^2 /NDF: 611353.2/32

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



Right In: -1059.353 ± 557.644 χ^2/NDF : 20.0/15

Left Out: -1382.299 ± 263.032 χ^2/NDF : 34.2/15

Right Out: -1009.907 ± 575.099 χ^2/NDF : 13.3/18

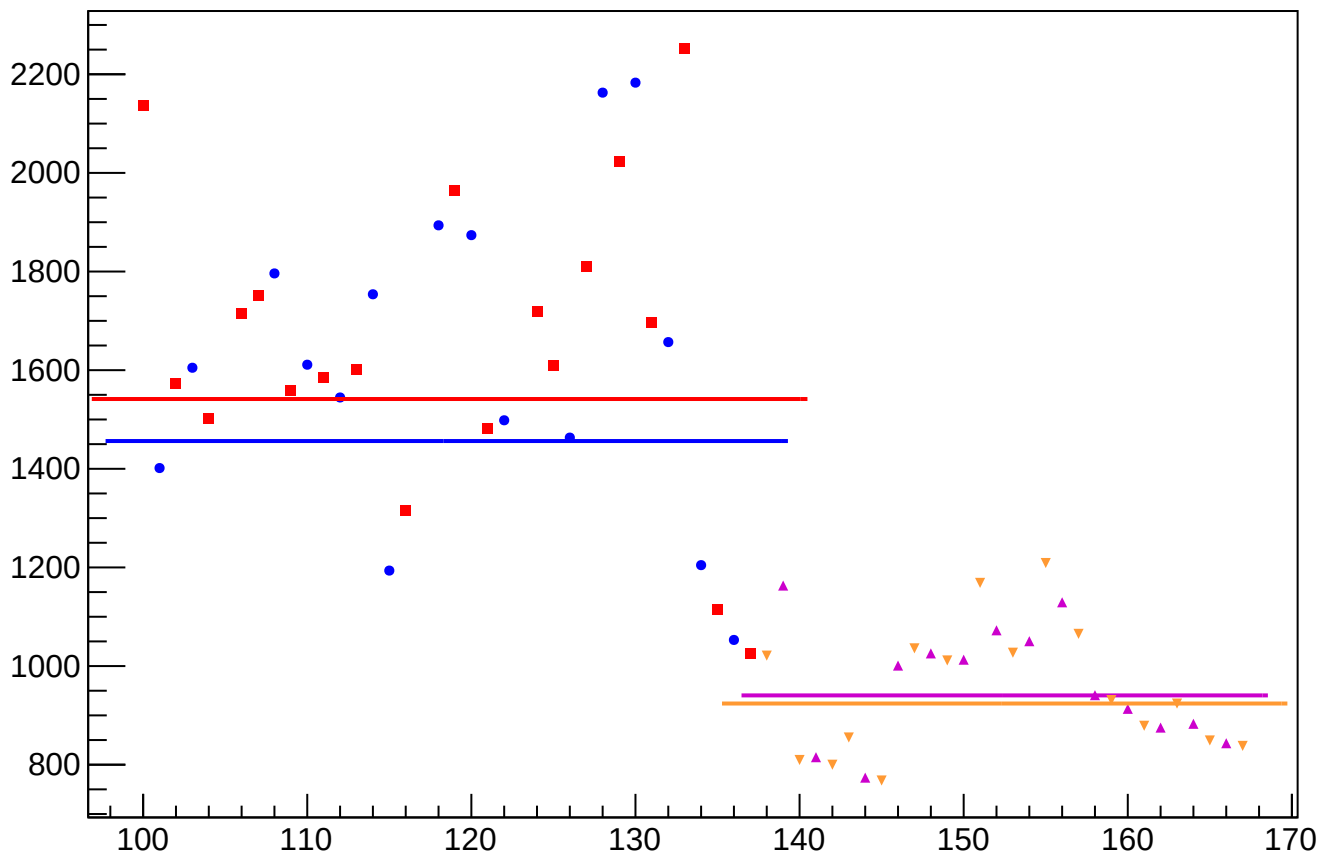
Left In: 97.197 ± 279.421 χ^2/NDF : 16.0/13

+ sign -1323.525 ± 237.896 χ^2/NDF : 54.5/31

All: -752.056 ± 172.771 χ^2/NDF : 99.0/64

- sign -114.240 ± 251.327 χ^2/NDF : 32.3/32

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1456.301+/-0.394 χ^2/NDF : 684803.6/15

Left Out: 924.059+/-0.186 χ^2/NDF : 417238.0/15

Right Out: 1541.520+/-0.407 χ^2/NDF : 519336.6/18

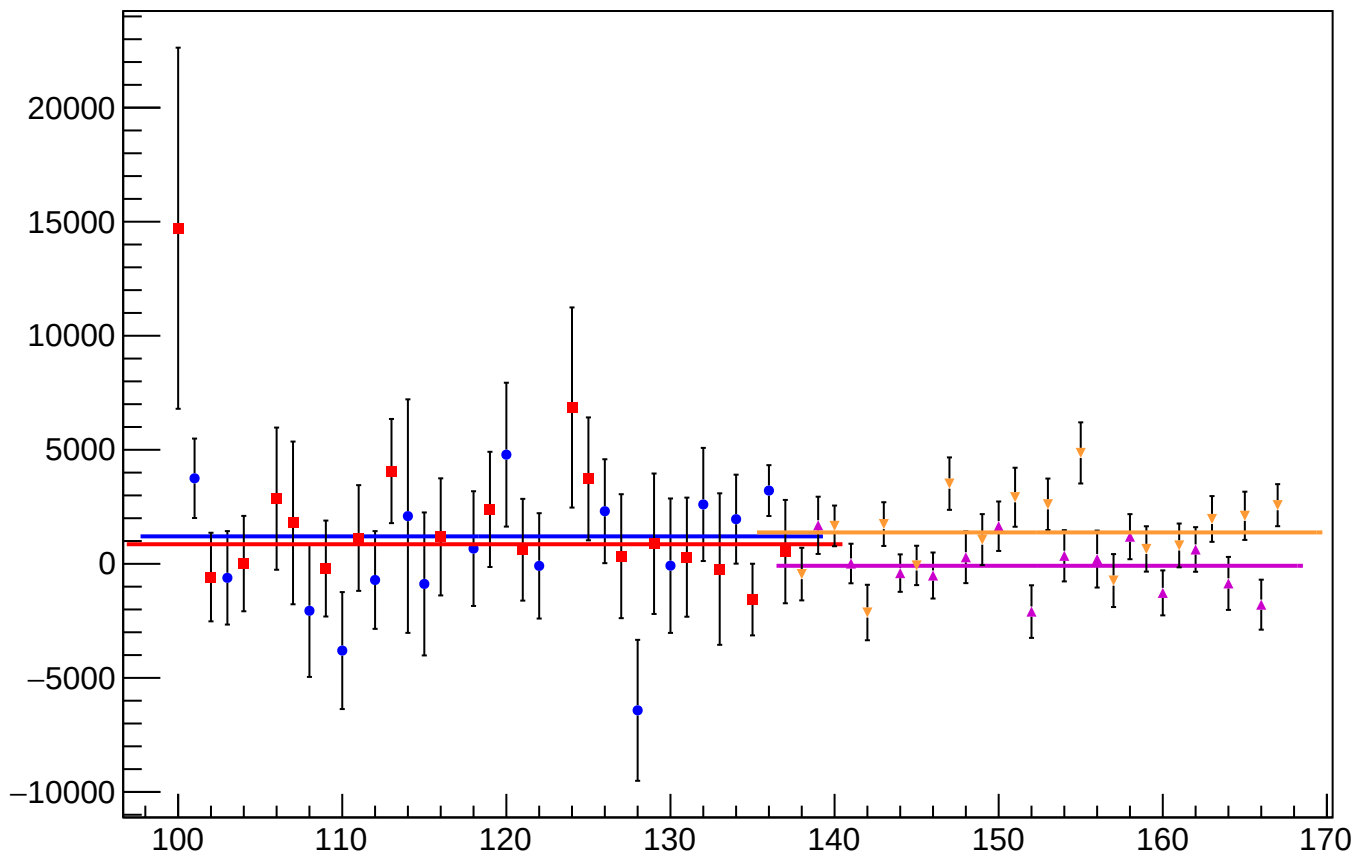
Left In: 940.525+/-0.198 χ^2/NDF : 335145.6/13

+ sign 1020.925+/-0.168 χ^2/NDF : 2592393.7/31

All: 1037.171+/-0.122 χ^2/NDF : 5233645.3/64

- sign 1055.304+/-0.178 χ^2/NDF : 2621513.3/32

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691 $\pm$ 551.729 χ^2 /NDF: 21.1/15

Left Out: 1377.270 $\pm$ 262.421 χ^2 /NDF:33.5/15

Right Out: 859.290 $\pm$ 570.391 χ^2 /NDF: 12.5/18

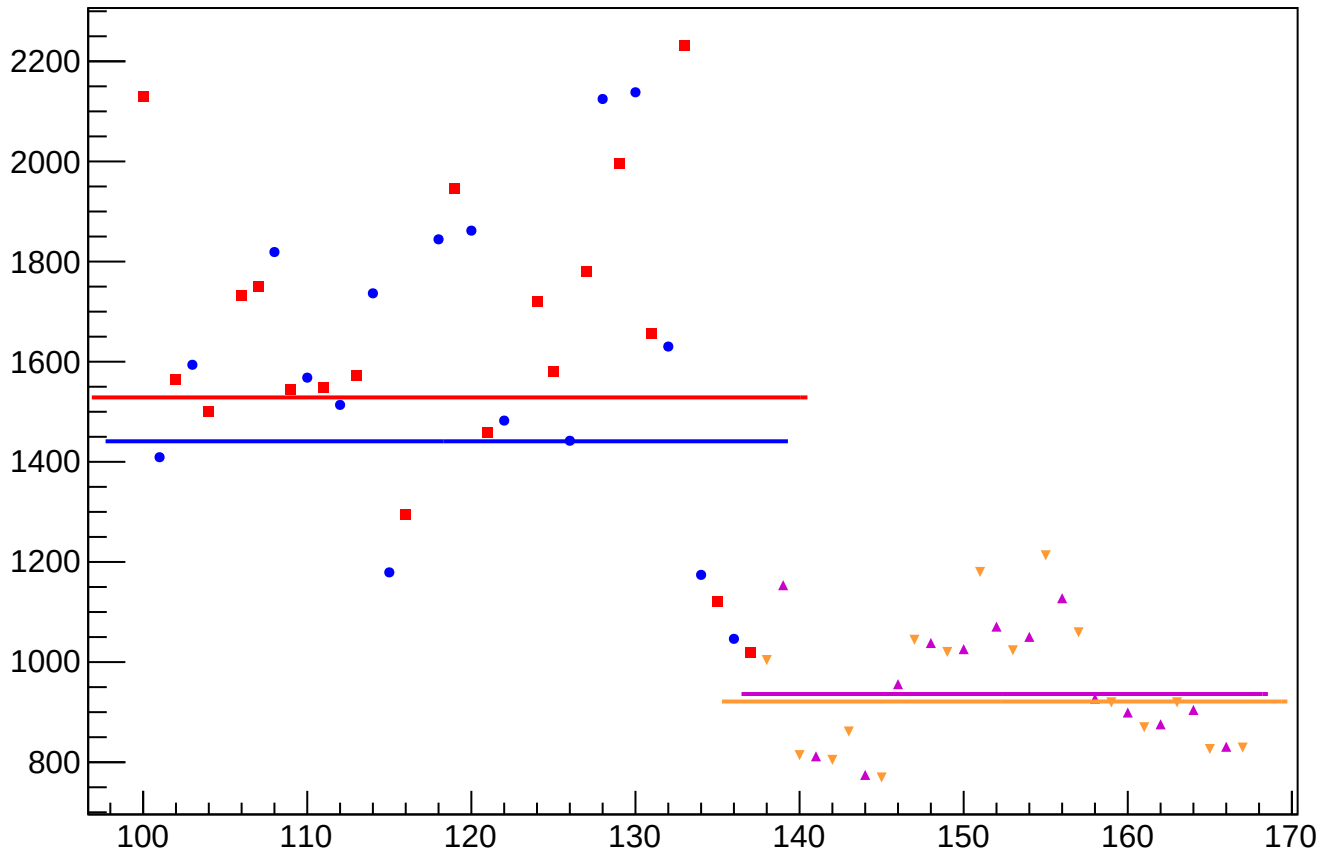
Left In: -85.238 $\pm$ 278.234 χ^2 /NDF:14.8/13

+ sign 1345.431 $\pm$ 236.981 χ^2 /NDF: 54.8/31

All: 754.411 $\pm$ 172.012 χ^2 /NDF: 97.4/64

- sign 96.308 $\pm$ 250.069 χ^2 /NDF: 29.5/32

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF : 670674.6/15

Left Out: 921.276+/-0.186 χ^2/NDF : 427498.9/15

Right Out: 1528.652+/-0.403 χ^2/NDF : 501717.6/18

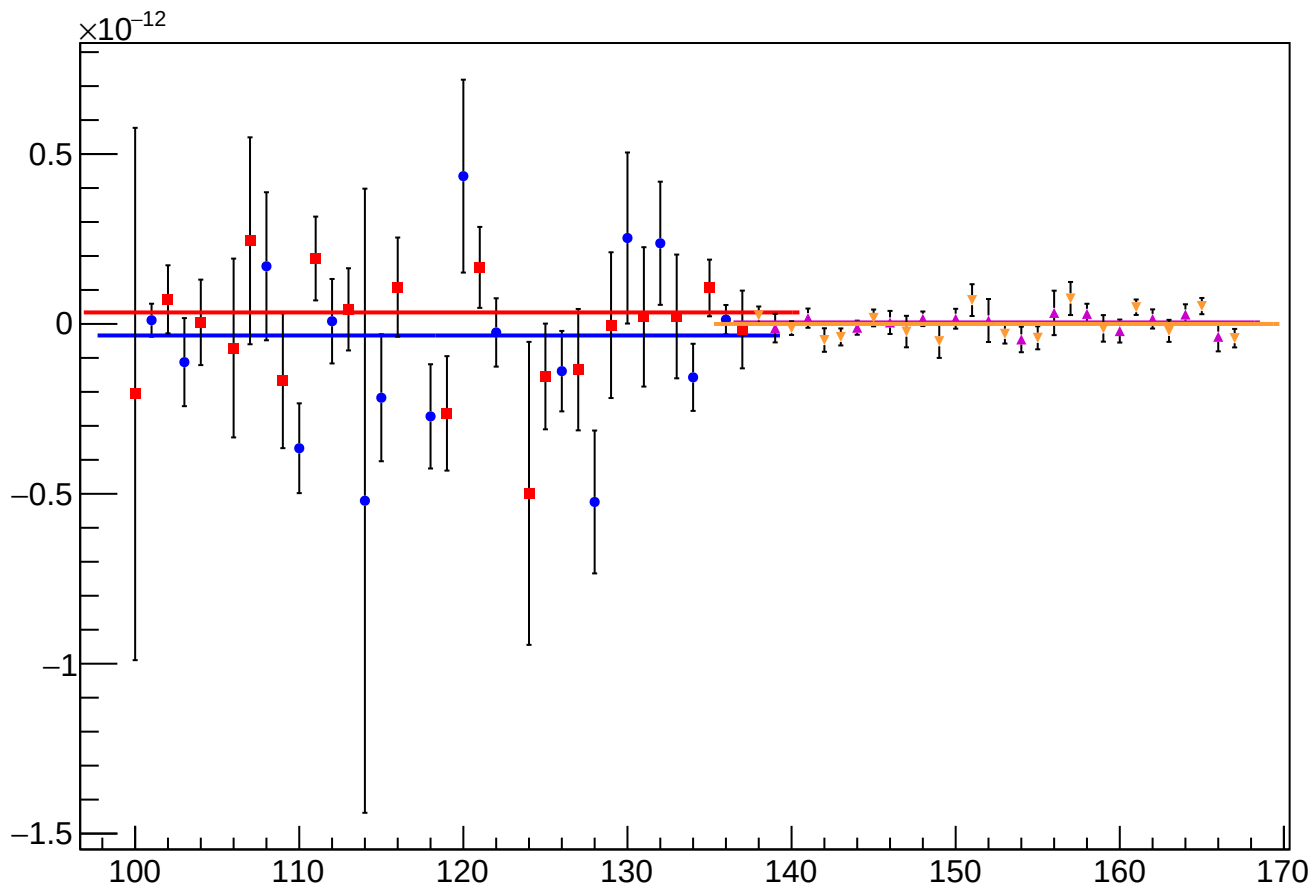
Left In: 936.297+/-0.197 χ^2/NDF : 334788.8/13

+ sign 1017.165+/-0.168 χ^2/NDF : 2545593.6/31

All: 1032.773+/-0.122 χ^2/NDF : 5142832.1/64

- sign 1050.153+/-0.177 χ^2/NDF : 2578902.4/32

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF : 26.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 13.0/18

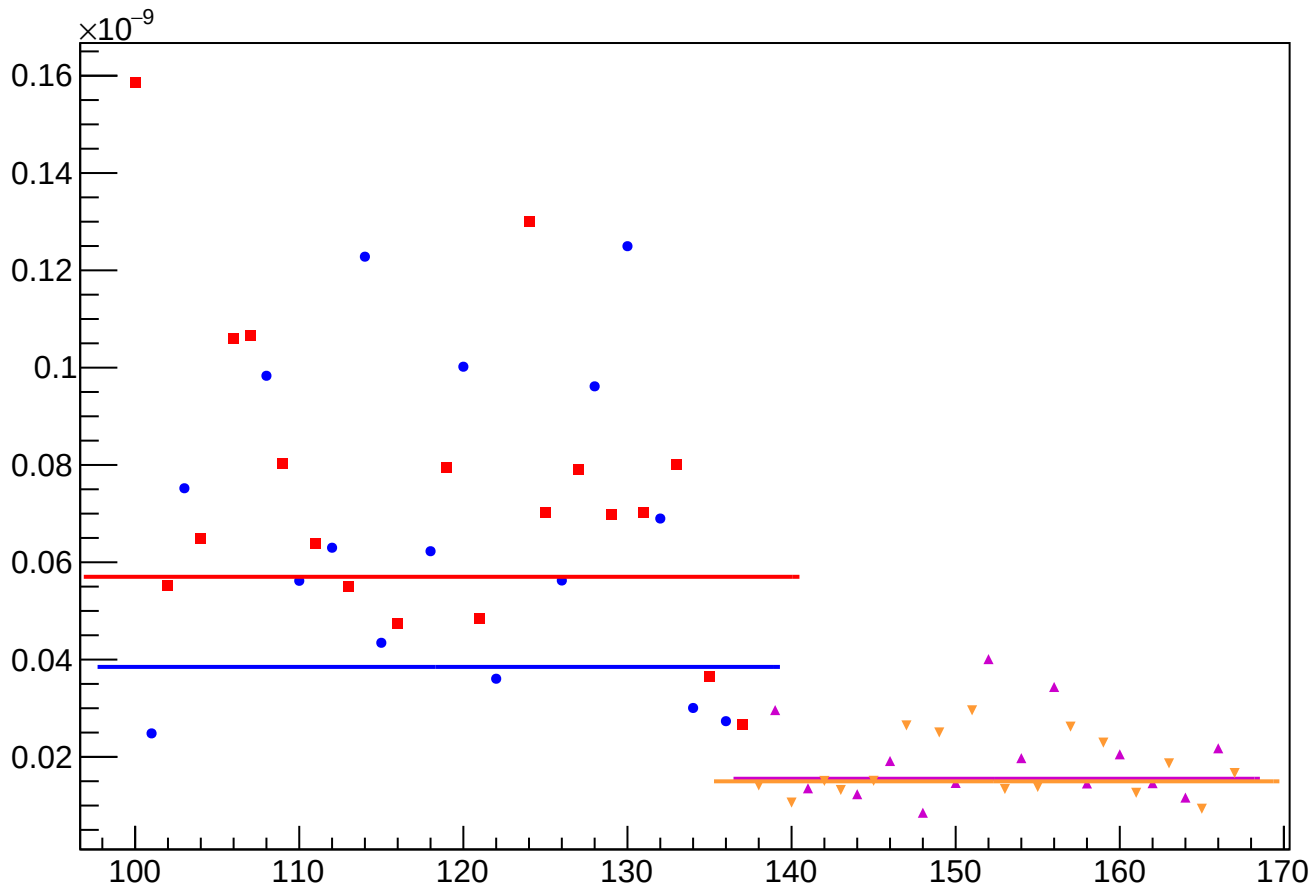
Left In: 0.000+/-0.000 χ^2/NDF : 6.2/13

+ sign -0.000+/-0.000 χ^2/NDF : 55.9/31

All: 0.000+/-0.000 χ^2/NDF : 76.5/64

- sign 0.000+/-0.000 χ^2/NDF : 19.9/32

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 : 871499.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 660994.1/18

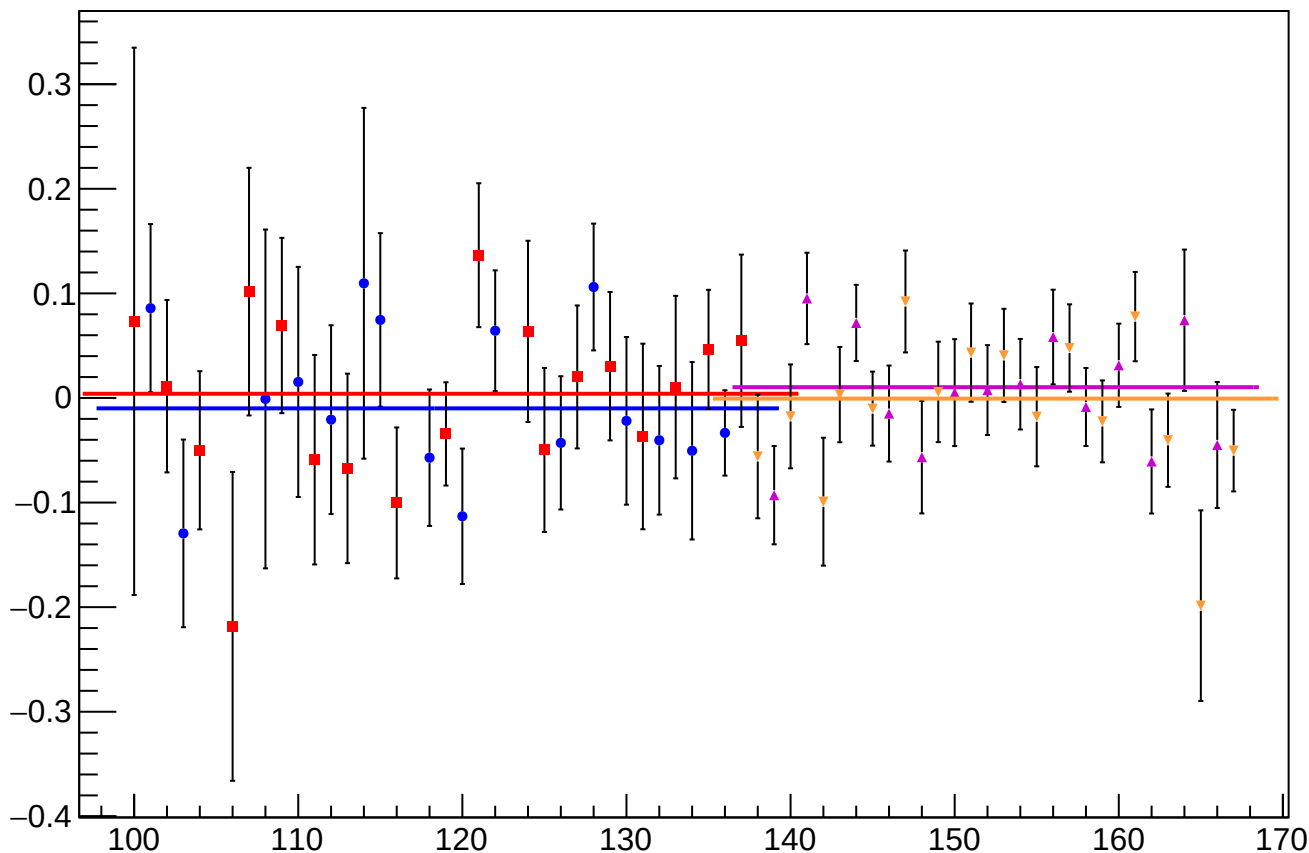
Left In: 0.000+/-0.000 χ^2/NDF : 1135421.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 3876454.6/31

All: 0.000+/-0.000 χ^2/NDF : 8535544.1/64

- sign 0.000+/-0.000 χ^2/NDF : 4640449.1/32

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 14.2/15$

Left Out: -0.001 ± 0.012 $\chi^2/\text{NDF}: 21.3/15$

Right Out: 0.004 ± 0.018 $\chi^2/\text{NDF}: 13.9/18$

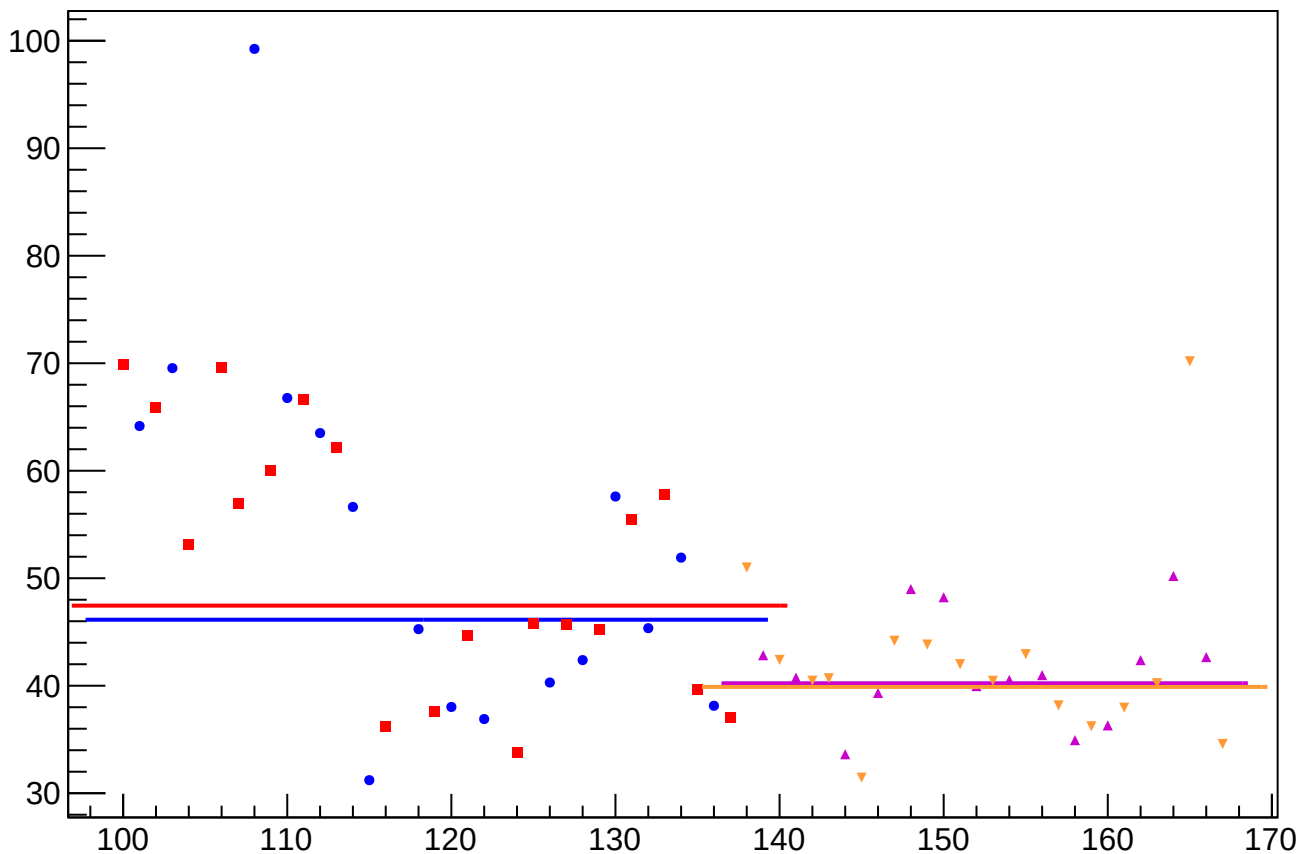
Left In: 0.010 ± 0.012 $\chi^2/\text{NDF}: 18.7/13$

+ sign -0.003 ± 0.010 $\chi^2/\text{NDF}: 35.8/31$

All: 0.002 ± 0.007 $\chi^2/\text{NDF}: 69.1/64$

- sign 0.008 ± 0.010 $\chi^2/\text{NDF}: 32.7/32$

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: 39.892 $\pm$ 0.008 χ^2/NDF : 514925.2/15

Right Out: 47.450 $\pm$ 0.013 χ^2/NDF : 654693.6/18

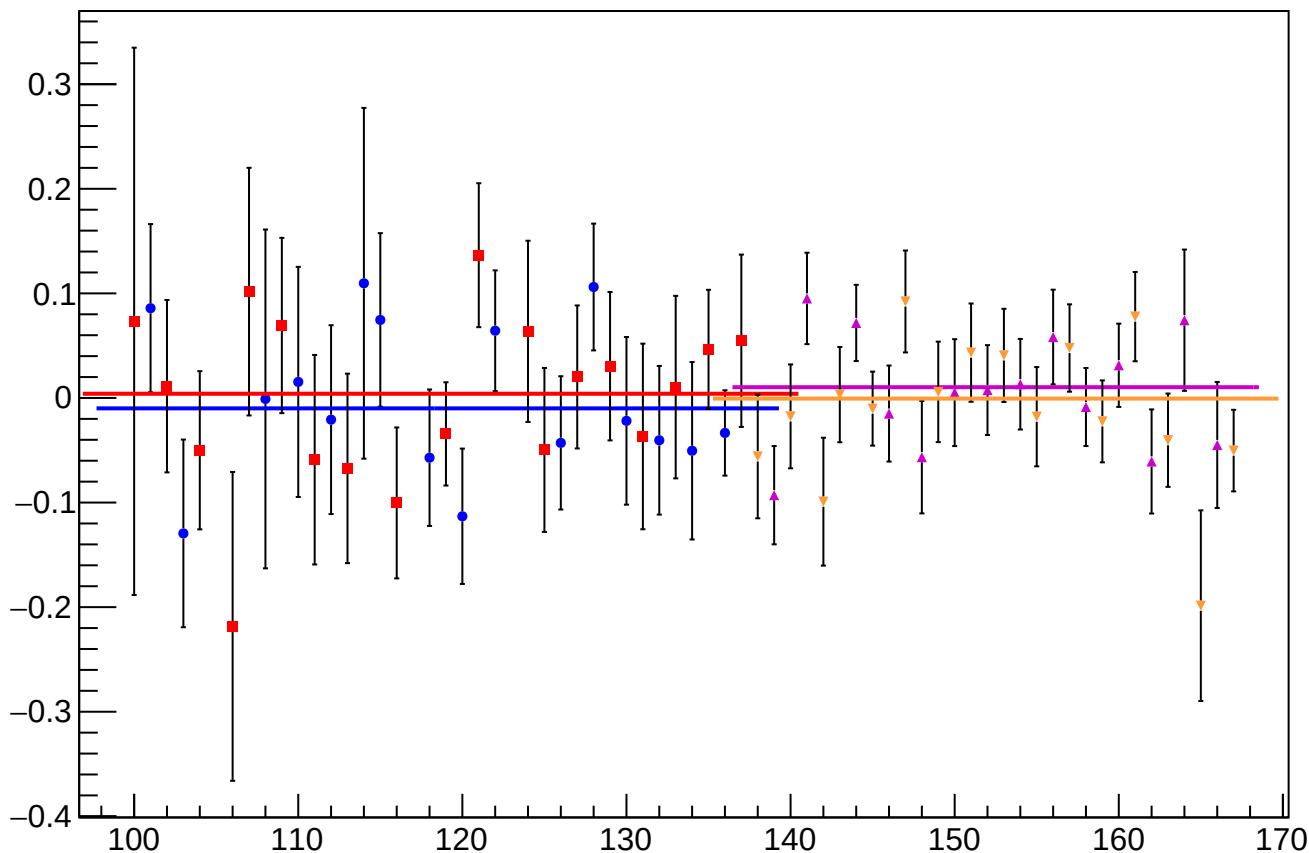
Left In: 40.228 $\pm$ 0.009 χ^2/NDF : 286174.7/13

+ sign 41.706 $\pm$ 0.007 χ^2/NDF : 1589442.3/31

All: 42.077 $\pm$ 0.005 χ^2/NDF : 2755684.1/64

- sign 42.480 $\pm$ 0.007 χ^2/NDF : 1160139.8/32

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: -0.001 ± 0.012 χ^2/NDF : 21.3/15

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

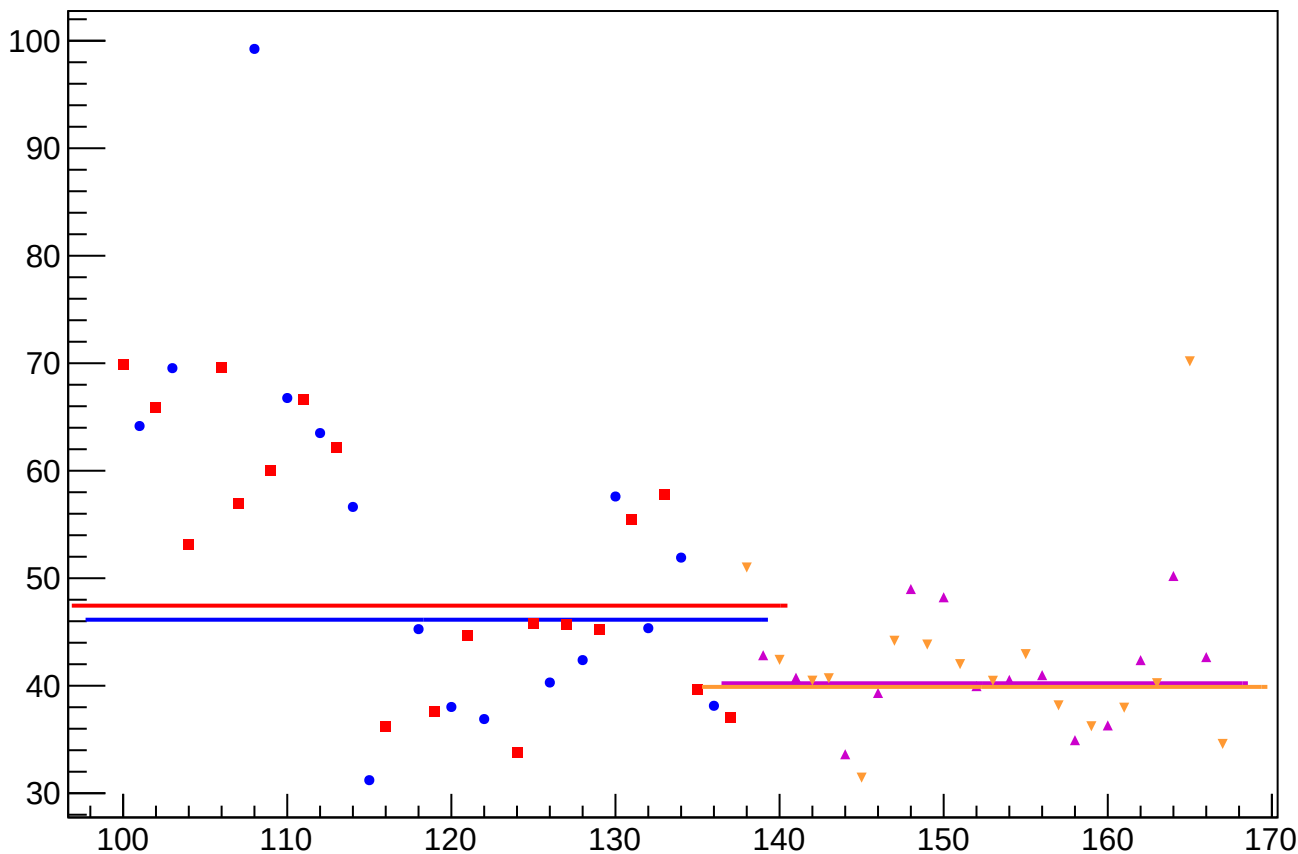
Left In: 0.010 ± 0.012 χ^2/NDF : 18.7/13

+ sign -0.003 ± 0.010 χ^2/NDF : 35.8/31

All: 0.002 ± 0.007 χ^2/NDF : 69.1/64

- sign 0.008 ± 0.010 χ^2/NDF : 32.7/32

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.141 $\pm$ 0.013 χ^2/NDF : 903280.2/15

Left Out: 39.892 $\pm$ 0.008 χ^2/NDF : 514925.2/15

Right Out: 47.450 $\pm$ 0.013 χ^2/NDF : 654693.6/18

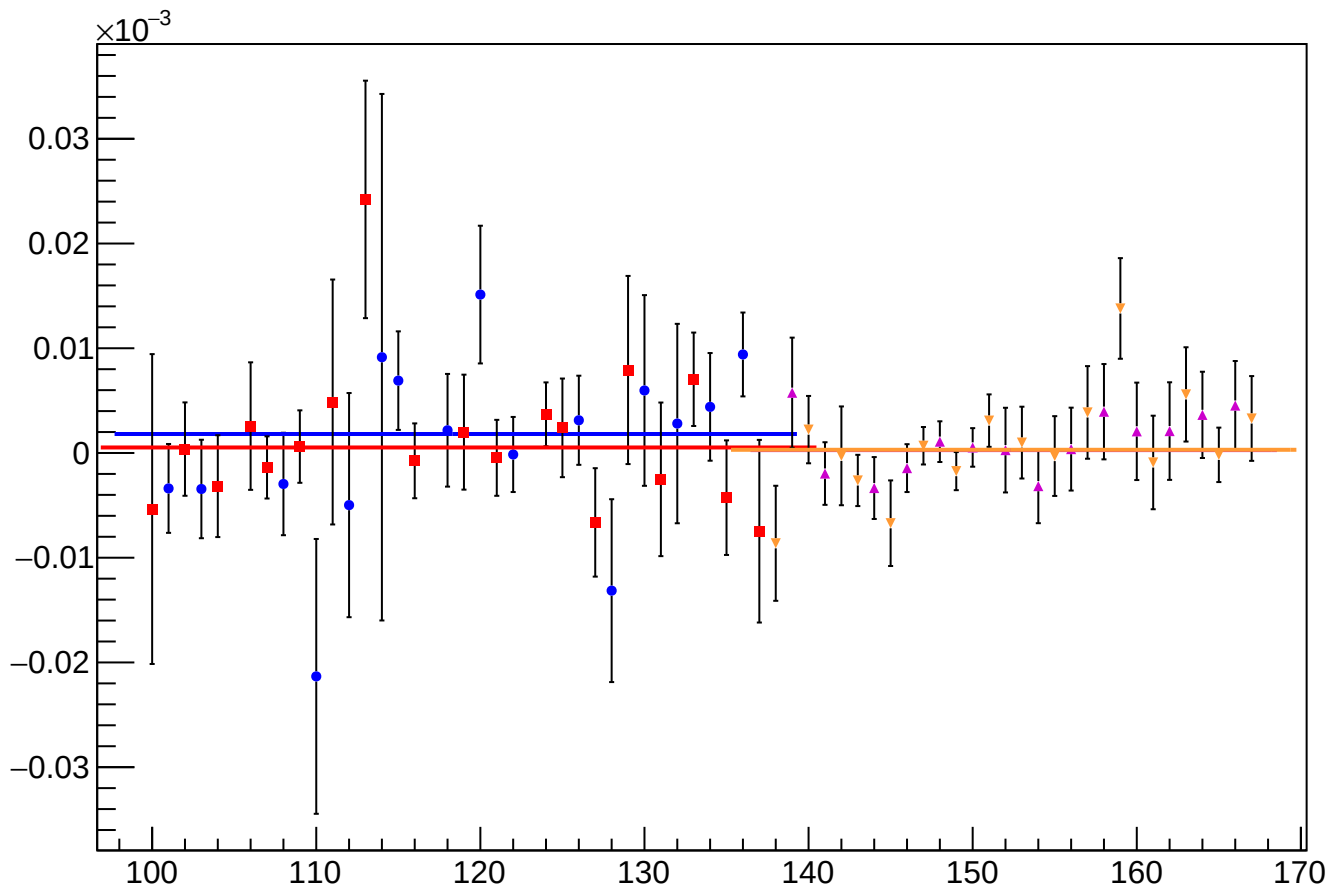
Left In: 40.228 $\pm$ 0.009 χ^2/NDF : 286174.7/13

+ sign 41.706 $\pm$ 0.007 χ^2/NDF : 1589442.3/31

All: 42.077 $\pm$ 0.005 χ^2/NDF : 2755684.1/64

- sign 42.480 $\pm$ 0.007 χ^2/NDF : 1160139.8/32

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:20.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

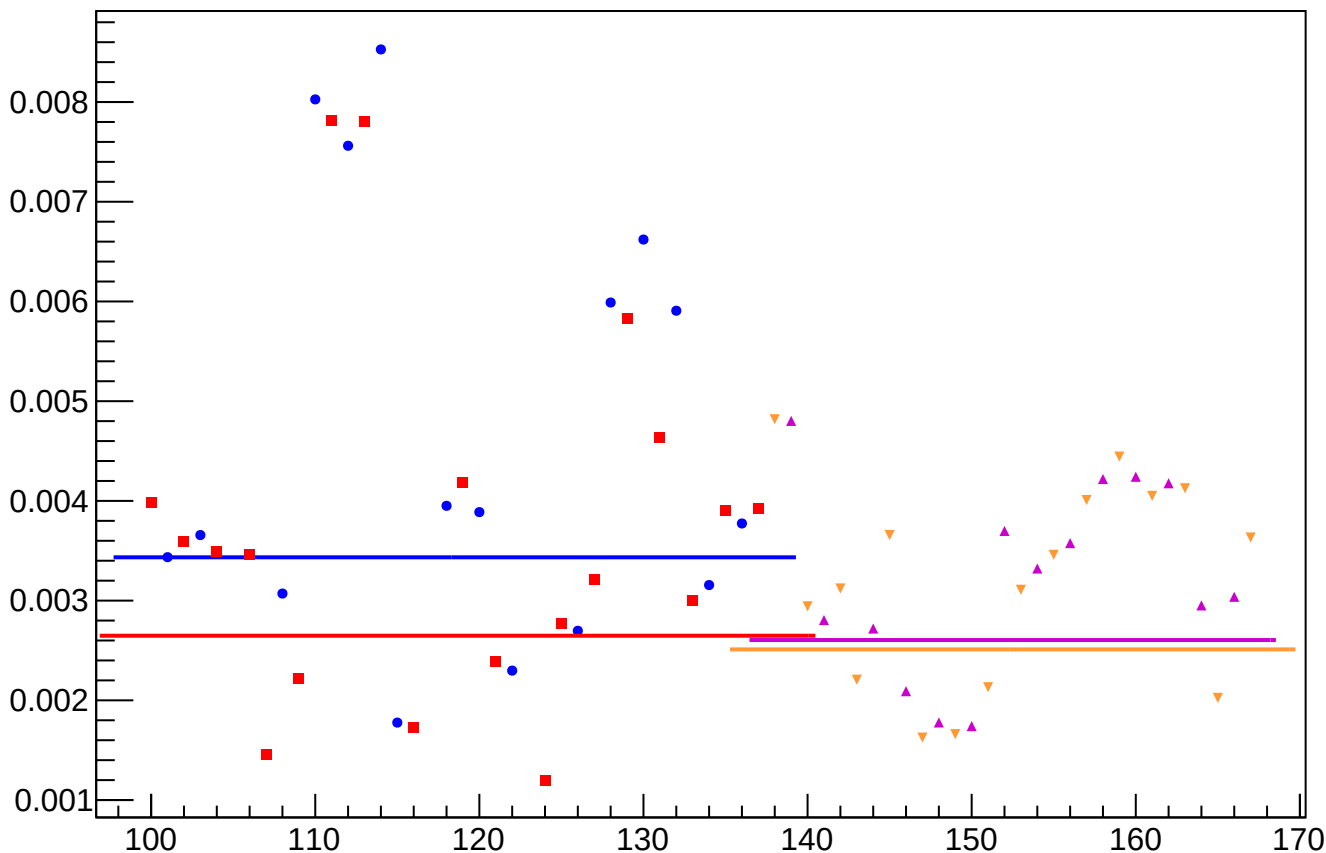
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.5/31

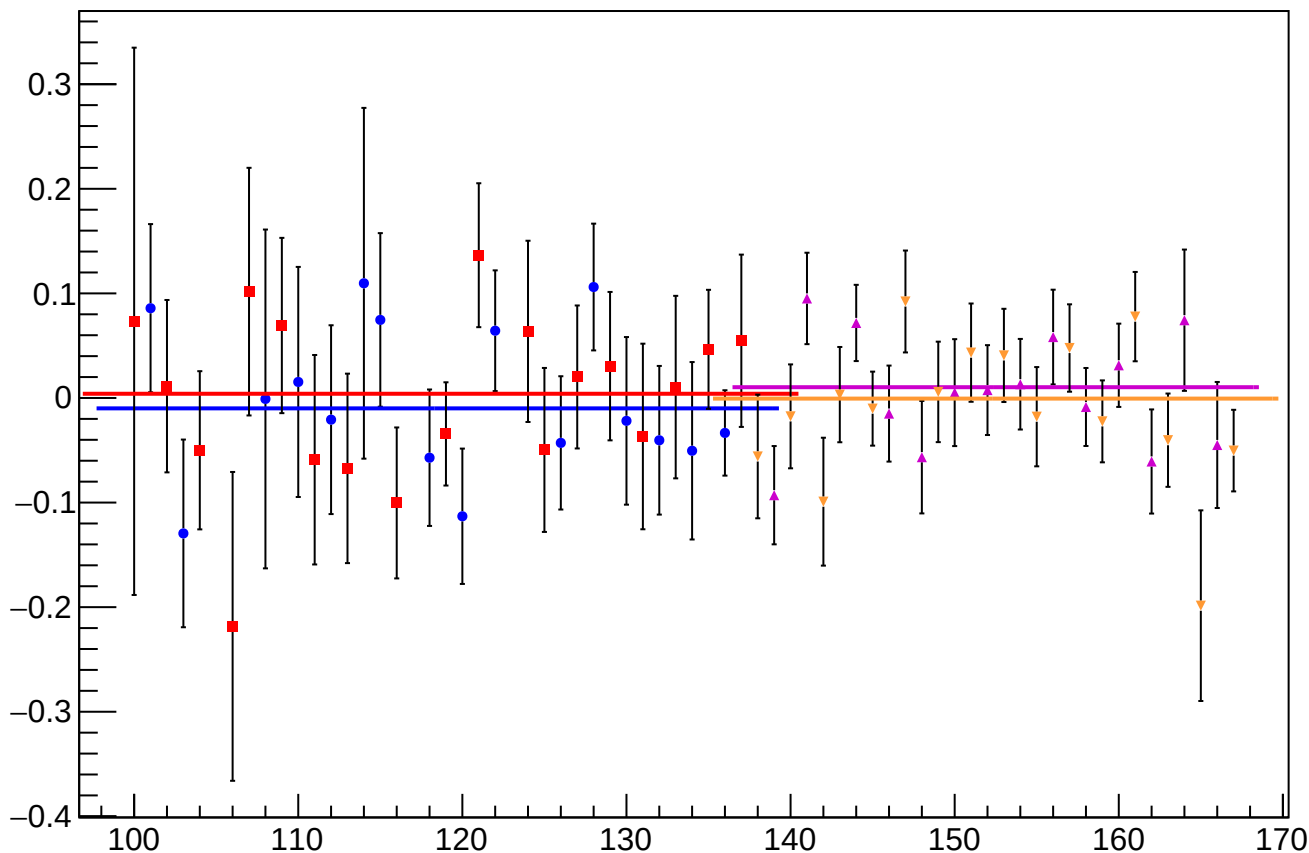
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 62.8/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/32

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



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: -0.001 ± 0.012 χ^2/NDF : 21.3/15

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

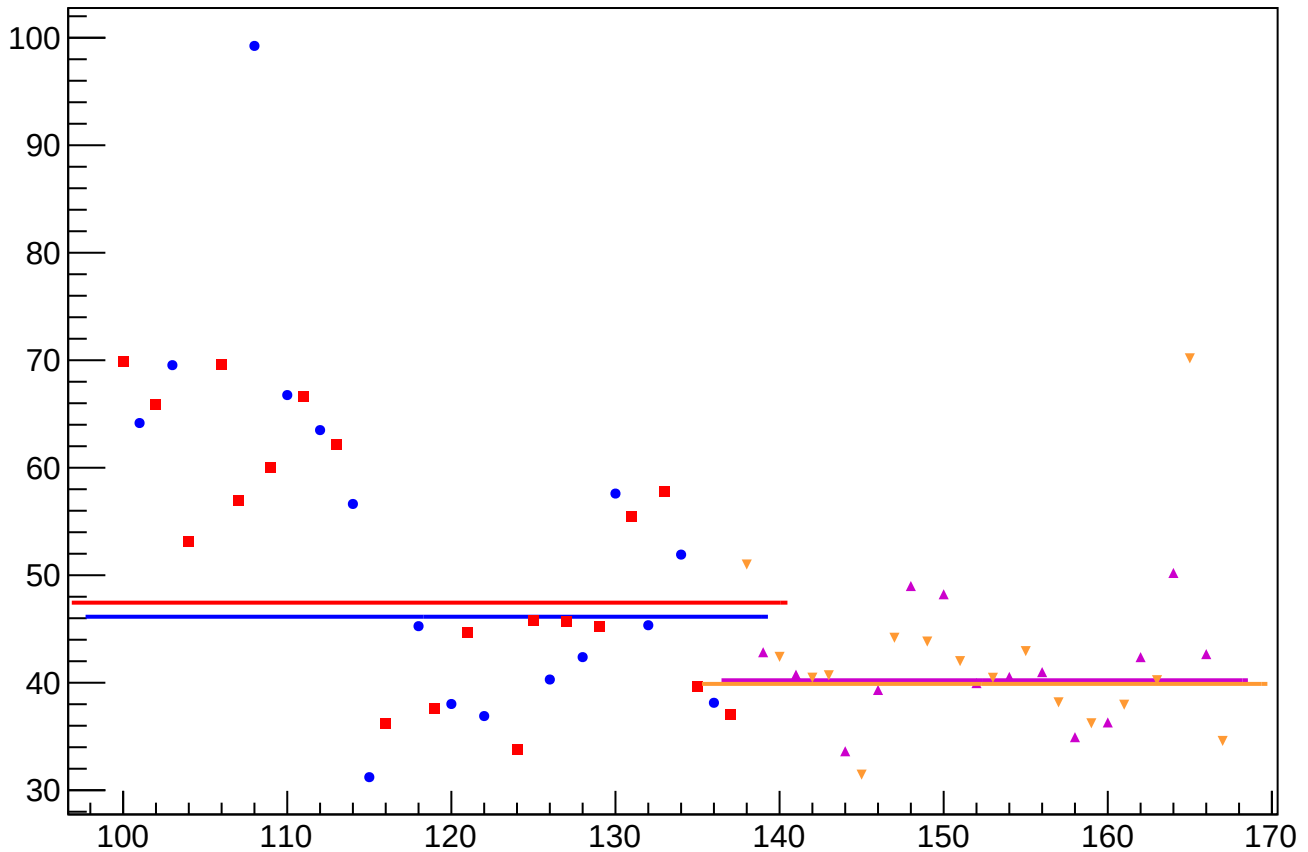
Left In: 0.010 ± 0.012 χ^2/NDF : 18.7/13

+ sign -0.003 ± 0.010 χ^2/NDF : 35.8/31

All: 0.002 ± 0.007 χ^2/NDF : 69.1/64

- sign 0.008 ± 0.010 χ^2/NDF : 32.7/32

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: 39.892 $\pm$ 0.008 χ^2/NDF : 514958.8/15

Right Out: 47.448 $\pm$ 0.013 χ^2/NDF : 654687.8/18

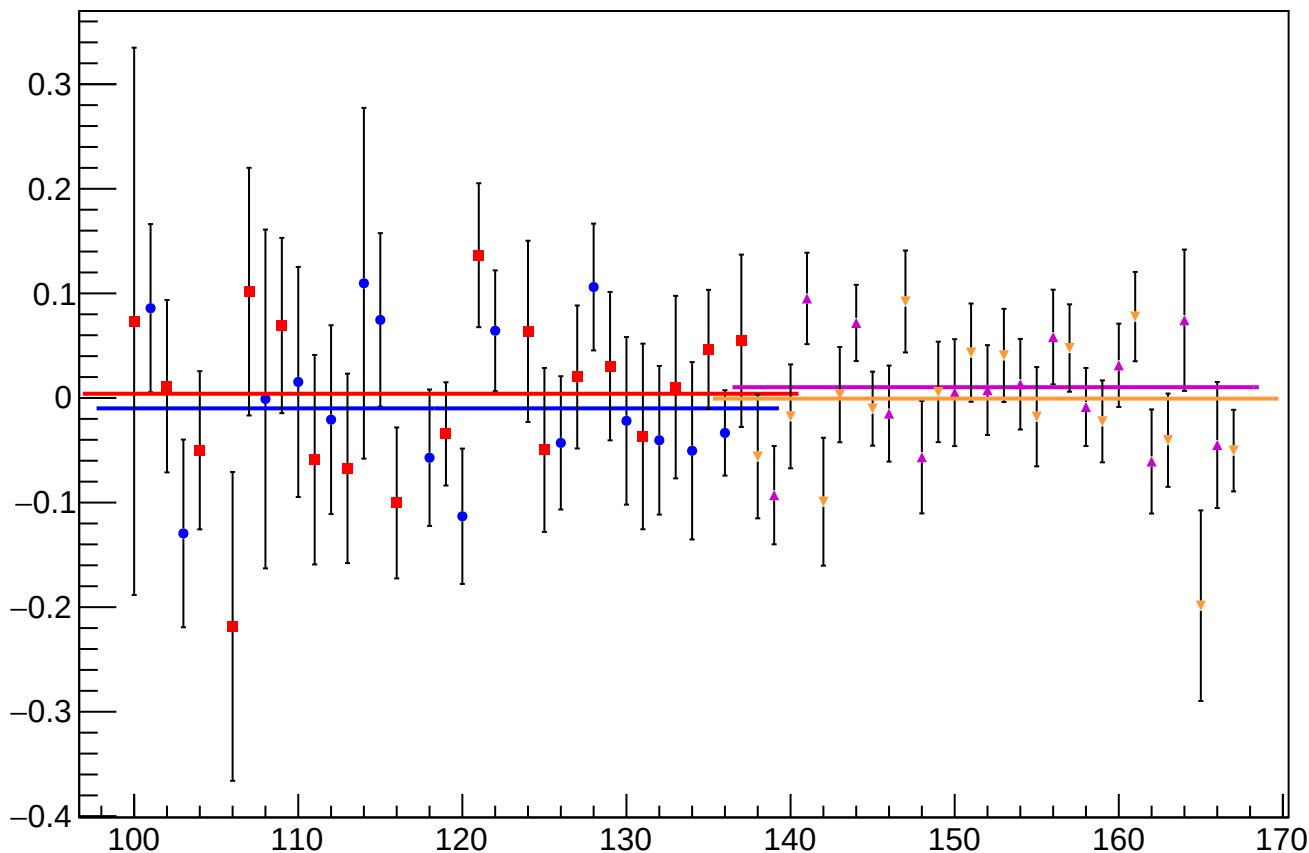
Left In: 40.228 $\pm$ 0.009 χ^2/NDF : 286217.5/13

+ sign 41.706 $\pm$ 0.007 χ^2/NDF : 1589364.4/31

All: 42.077 $\pm$ 0.005 χ^2/NDF : 2755586.4/64

- sign 42.479 $\pm$ 0.007 χ^2/NDF : 1160121.8/32

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: -0.001 ± 0.012 χ^2/NDF : 21.3/15

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

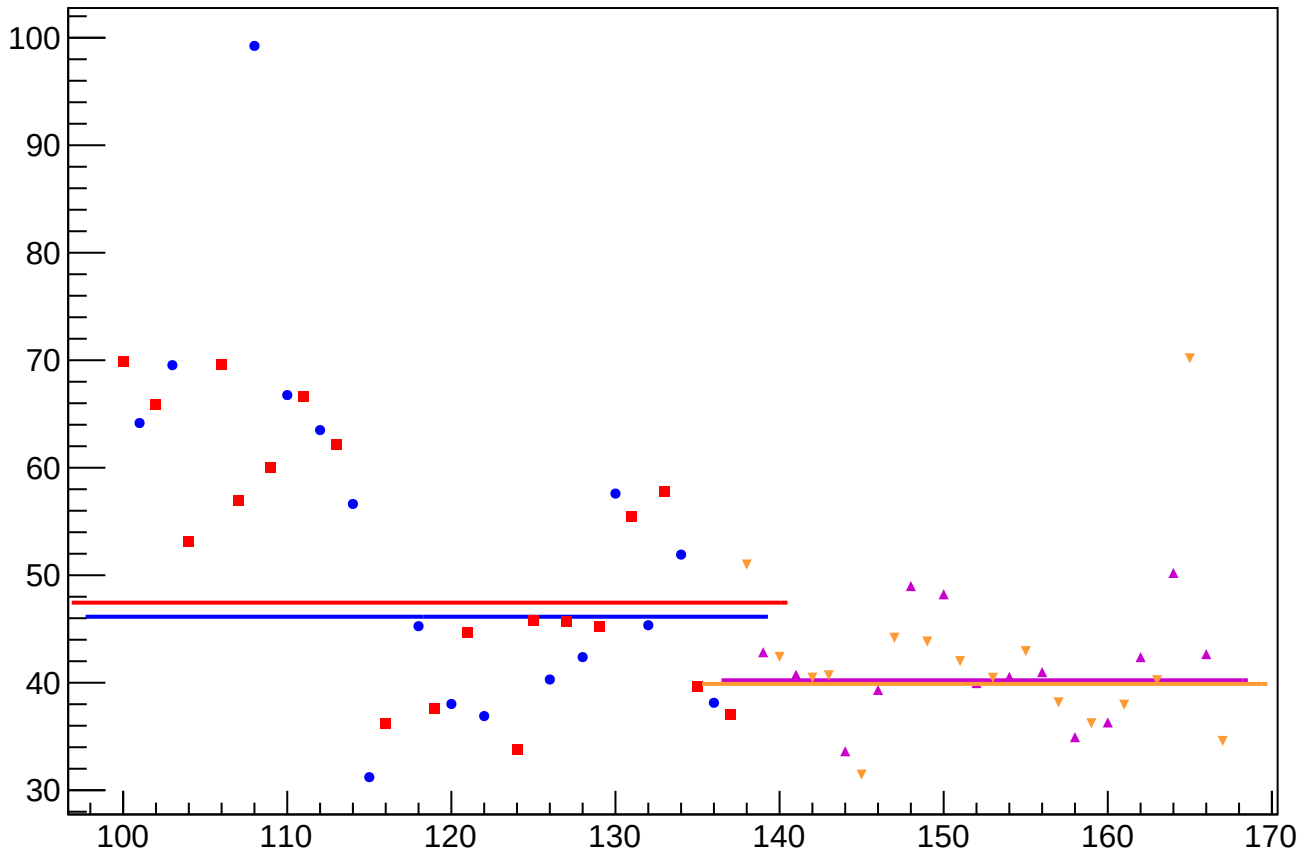
Left In: 0.010 ± 0.012 χ^2/NDF : 18.7/13

+ sign -0.003 ± 0.010 χ^2/NDF : 35.8/31

All: 0.002 ± 0.007 χ^2/NDF : 69.1/64

- sign 0.008 ± 0.010 χ^2/NDF : 32.7/32

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: 39.892 $\pm$ 0.008 χ^2 /NDF: 514958.8/15

Right Out: 47.448 $\pm$ 0.013 χ^2 /NDF: 654687.8/18

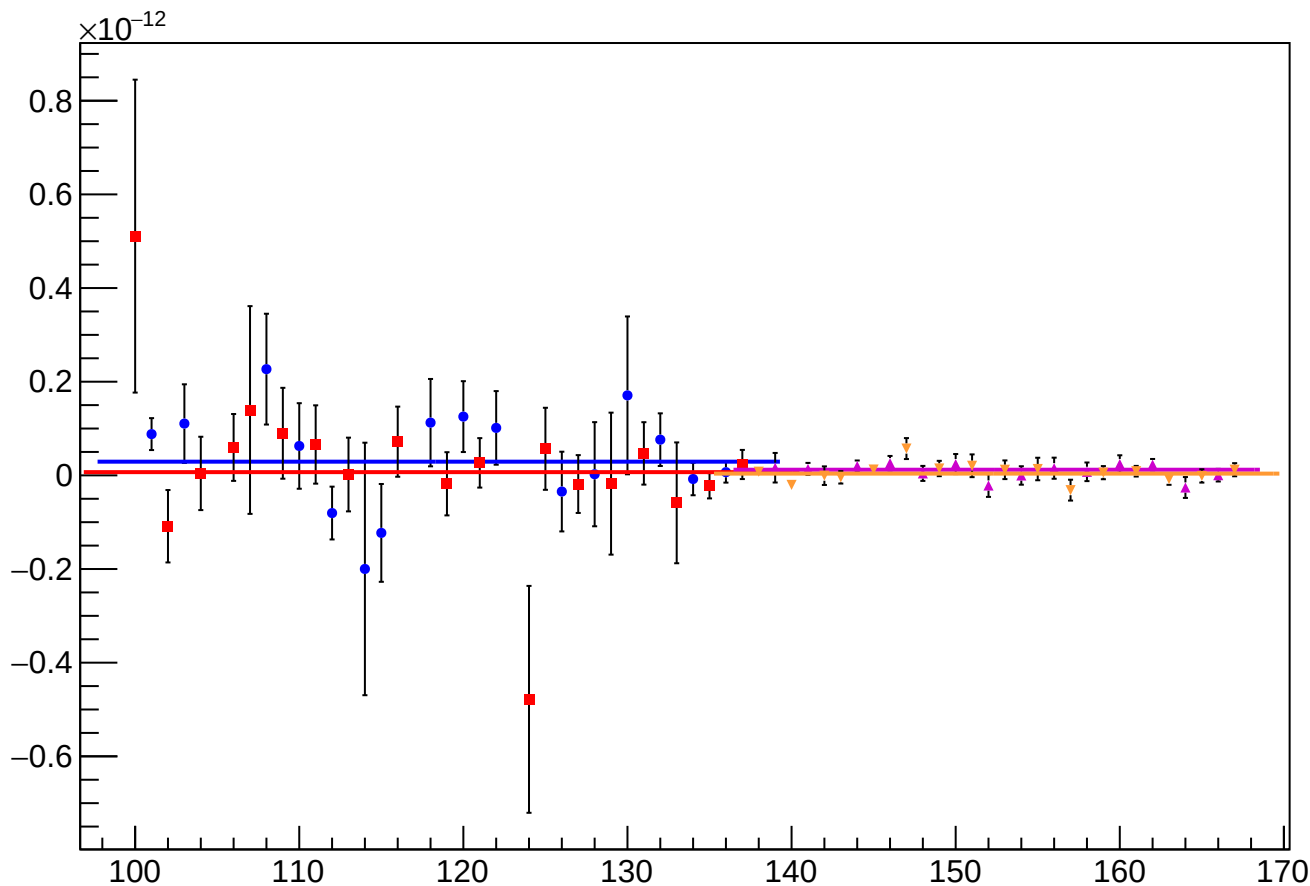
Left In: 40.228 $\pm$ 0.009 χ^2 /NDF: 286217.5/13

+ sign 41.706 $\pm$ 0.007 χ^2 /NDF: 1589364.4/31

All: 42.077 $\pm$ 0.005 χ^2 /NDF: 2755586.4/64

- sign 42.479 $\pm$ 0.007 χ^2 /NDF: 1160121.8/32

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:17.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

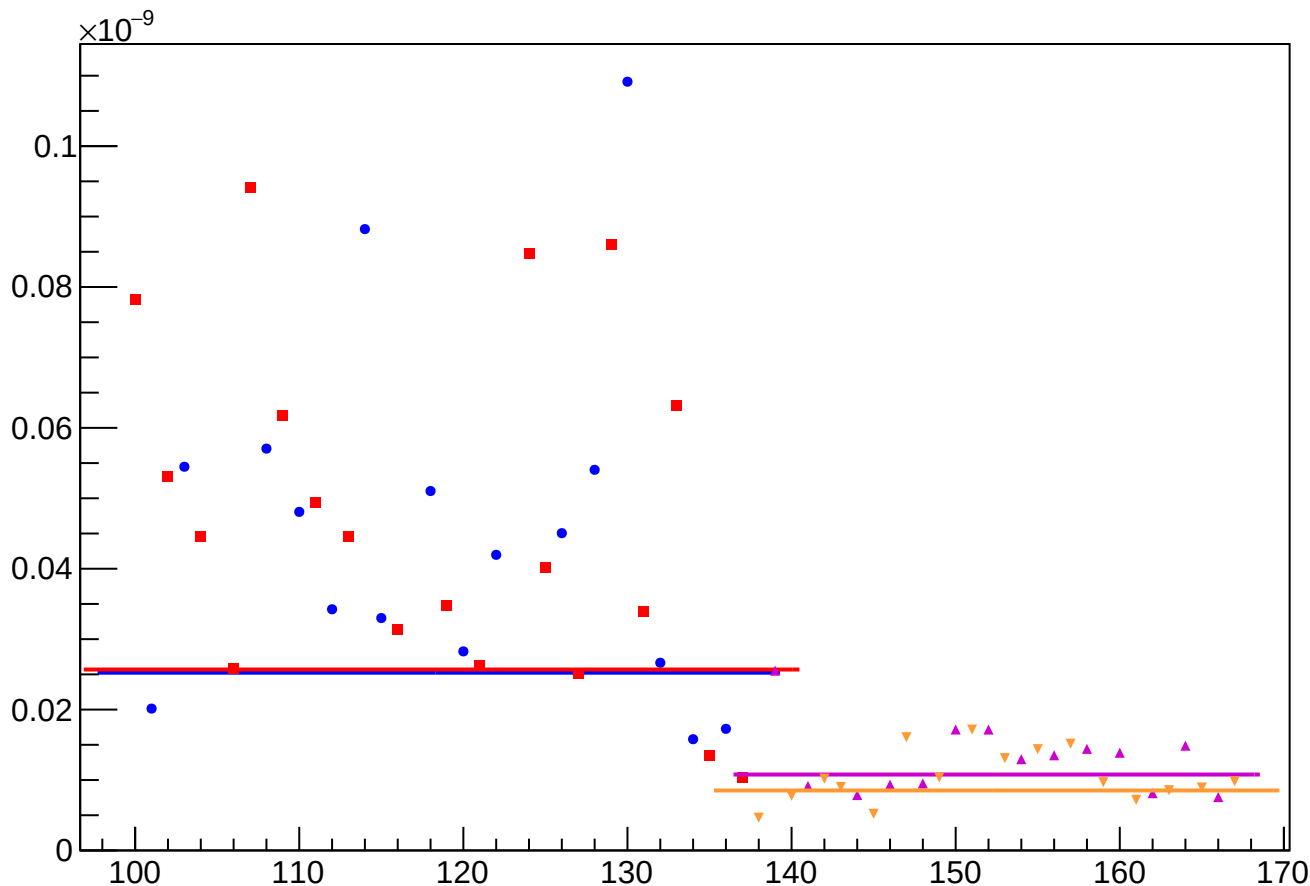
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.7/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/32

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF :1549416.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2790840.2/18

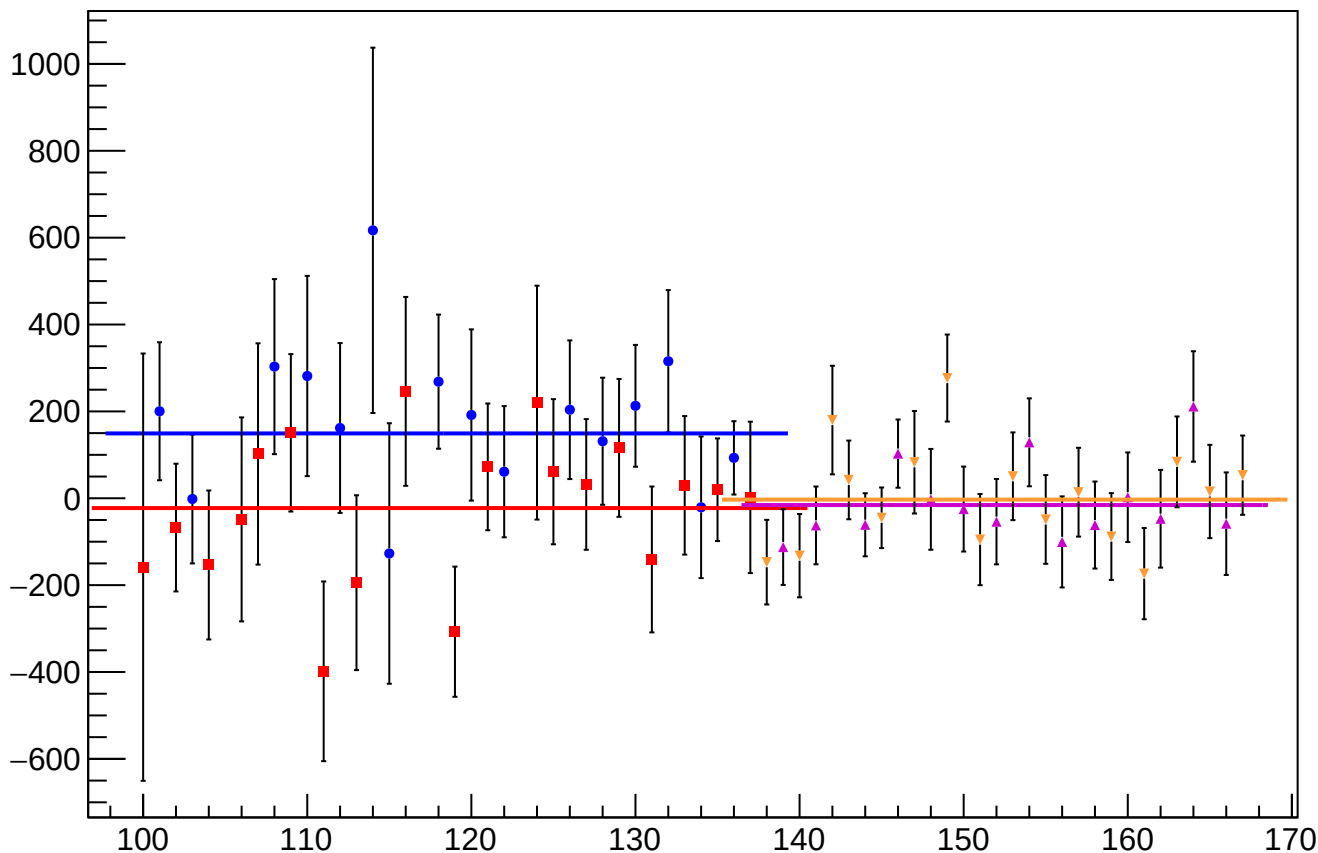
Left In: 0.000+/-0.000 χ^2/NDF :1386135.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 6535871.2/31

All: 0.000+/-0.000 χ^2/NDF : 13114110.9/64

- sign 0.000+/-0.000 χ^2/NDF : 6148165.9/32

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -3.060 $\pm$ 24.643 χ^2 /NDF:20.8/15

Right Out: -22.549 $\pm$ 40.100 χ^2 /NDF: 14.2/18

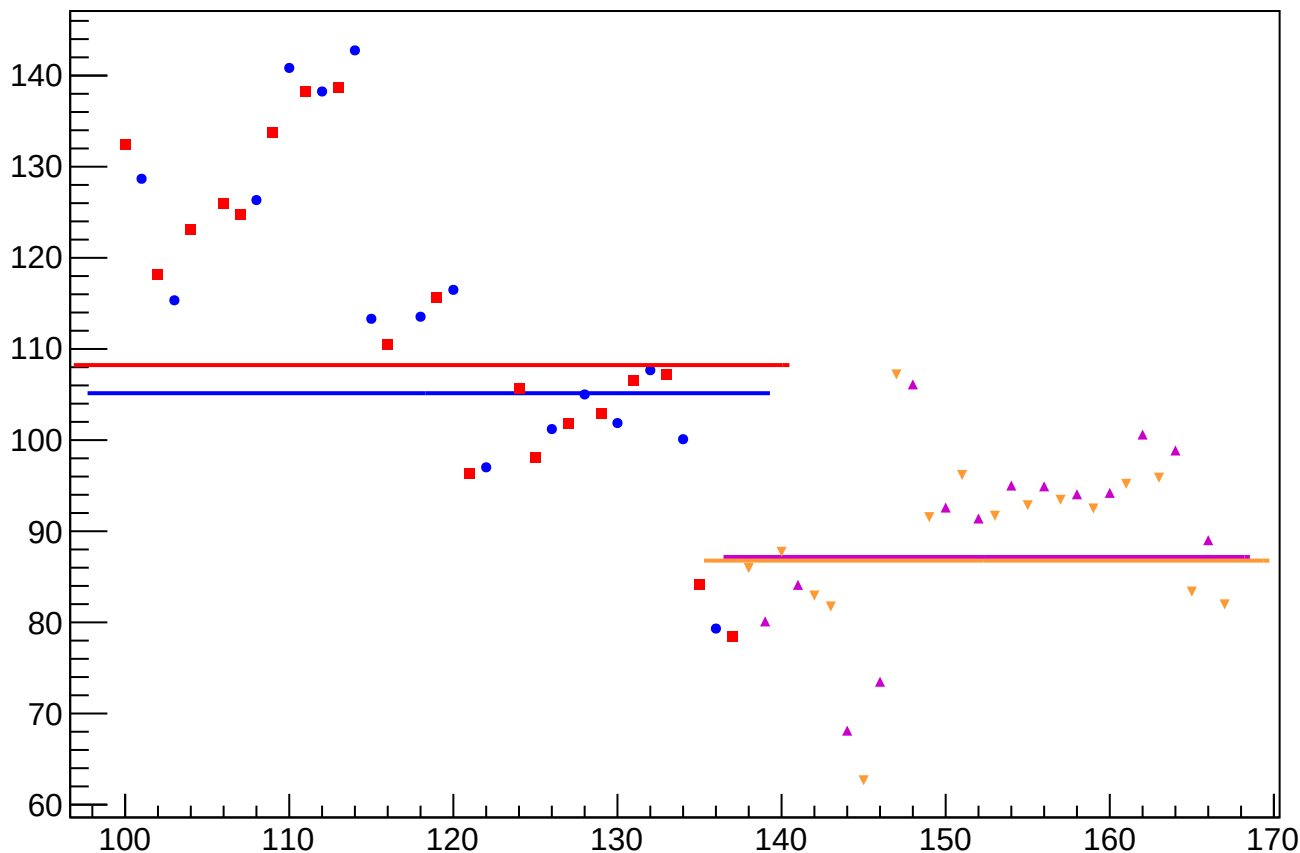
Left In: -15.592 $\pm$ 25.942 χ^2 /NDF:10.7/13

+ sign 39.339 $\pm$ 20.936 χ^2 /NDF: 39.5/31

All: 11.975 $\pm$ 15.094 χ^2 /NDF: 68.0/64

- sign -17.645 $\pm$ 21.781 χ^2 /NDF: 24.9/32

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.3/15

Left Out: 86.778 $\pm$ 0.017 χ^2 /NDF:390279.8/15

Right Out: 108.233 $\pm$ 0.028 χ^2 /NDF: 349936.1/18

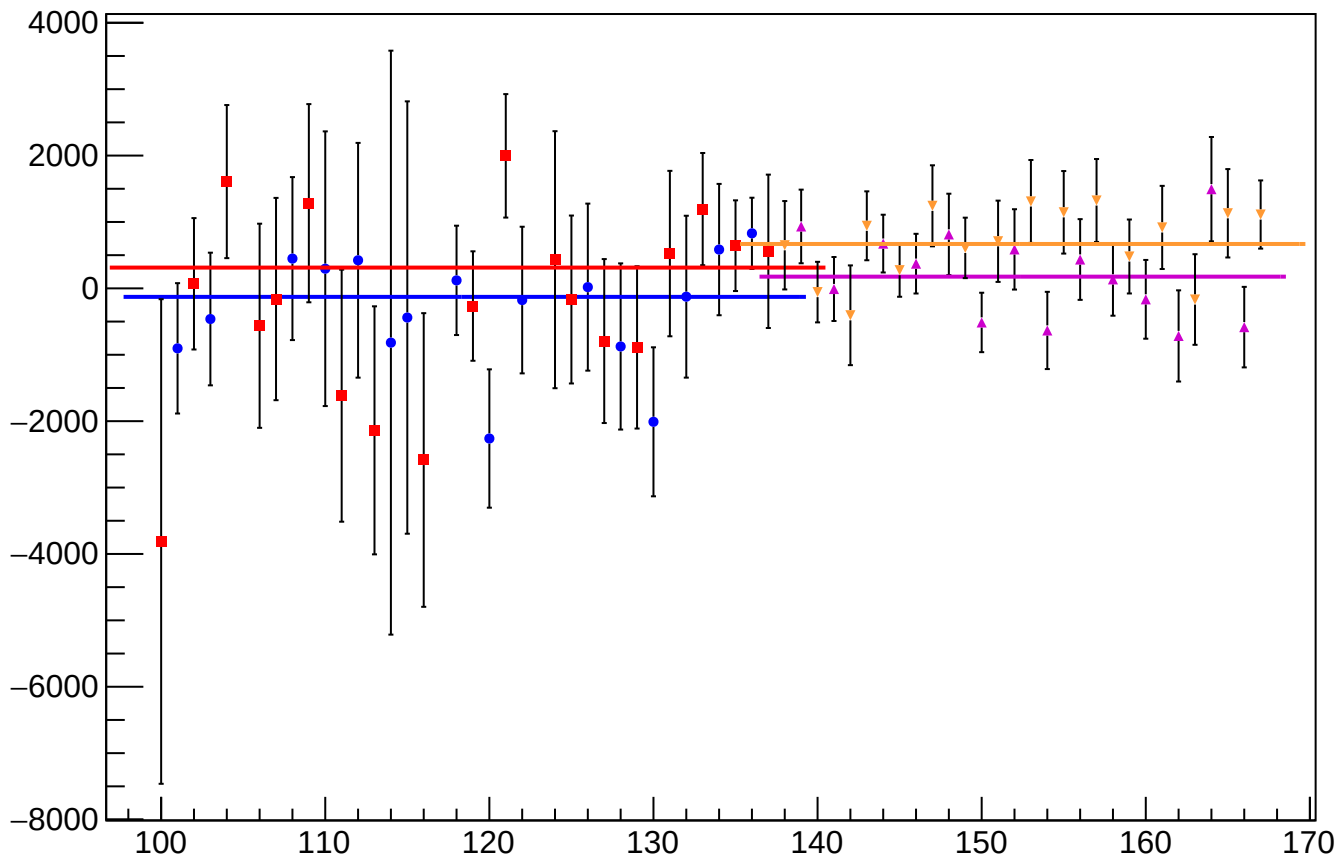
Left In: 87.176 $\pm$ 0.018 χ^2 /NDF:364756.2/13

+ sign 91.889 $\pm$ 0.015 χ^2 /NDF: 1107884.2/31

All: 92.609 $\pm$ 0.011 χ^2 /NDF: 2216275.0/64

- sign 93.388 $\pm$ 0.015 χ^2 /NDF: 1103468.5/32

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: 668.649 $\pm$ 140.488 χ^2 /NDF: 12.5/15

Right Out: 313.031 $\pm$ 270.131 χ^2 /NDF: 15.0/18

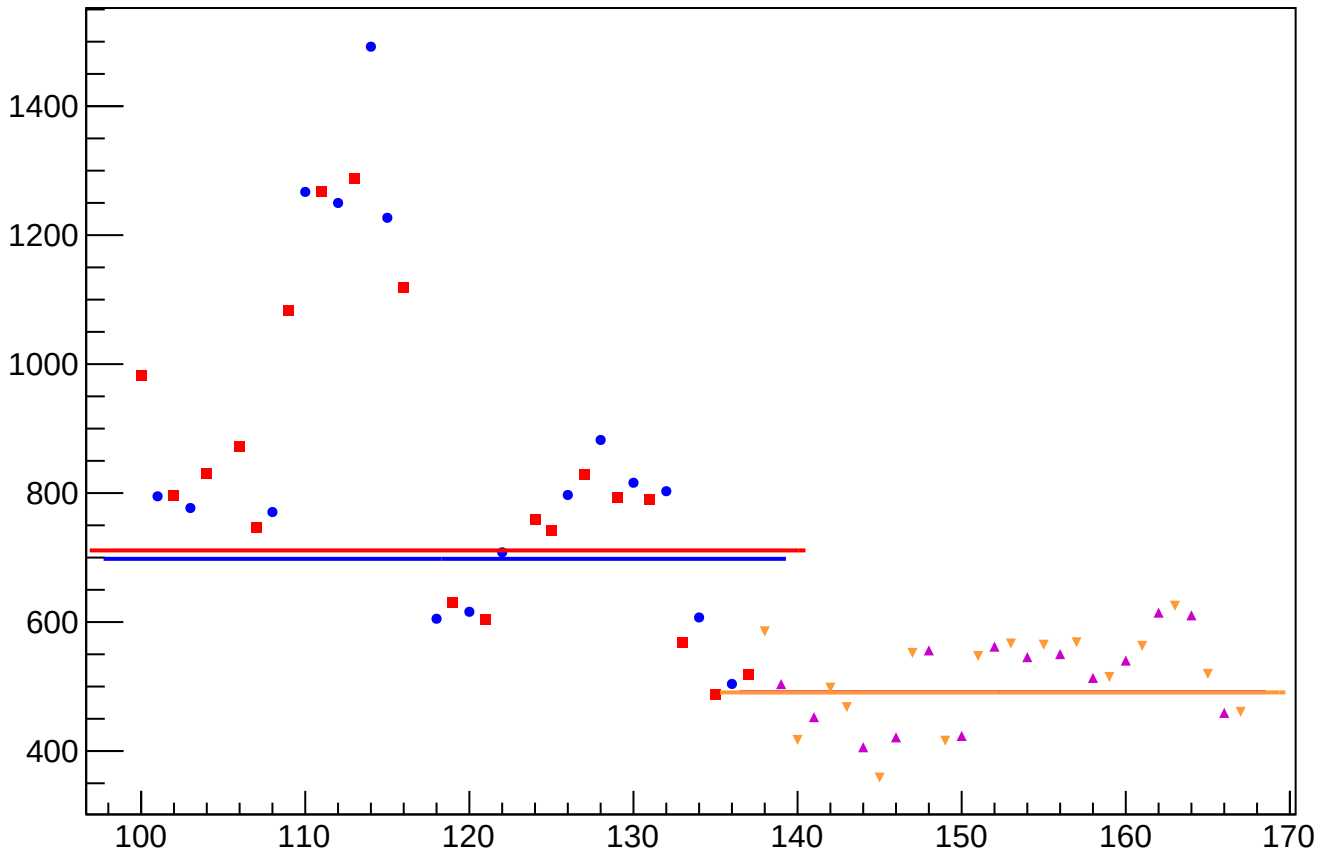
Left In: 176.541 $\pm$ 146.660 χ^2 /NDF: 16.0/13

+ sign 497.525 $\pm$ 124.489 χ^2 /NDF: 31.7/31

All: 357.603 $\pm$ 89.542 χ^2 /NDF: 65.5/64

- sign 207.614 $\pm$ 128.889 χ^2 /NDF: 31.2/32

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912851.5/15

Left Out: 490.906+/-0.099 χ^2/NDF : 613109.9/15

Right Out: 711.088+/-0.191 χ^2/NDF : 1035118.4/18

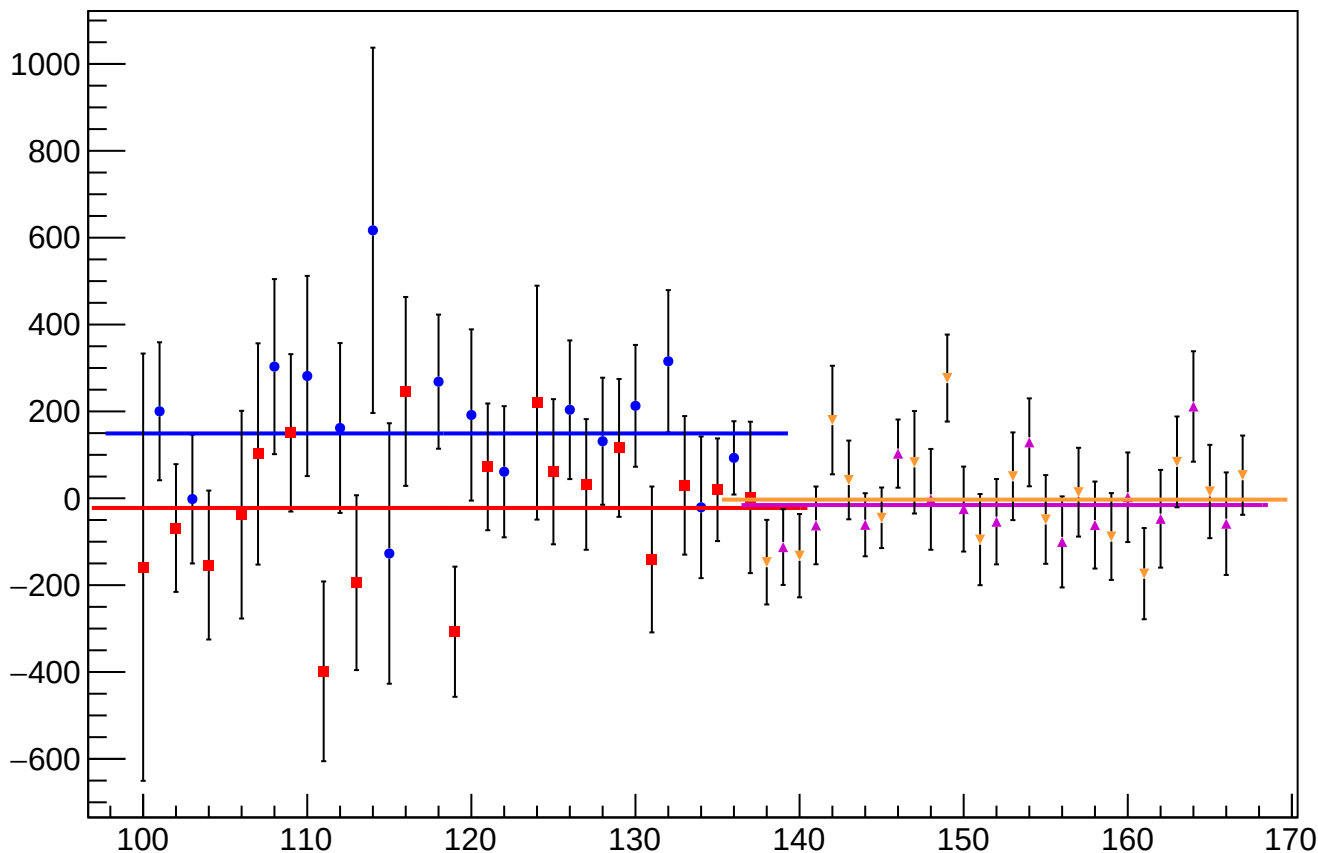
Left In: 491.344+/-0.104 χ^2/NDF : 404748.3/13

+ sign 535.400+/-0.088 χ^2/NDF : 2459927.0/31

All: 538.282+/-0.063 χ^2/NDF : 4924181.3/64

- sign 541.371+/-0.091 χ^2/NDF : 2462033.2/32

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 ± 39.687 χ^2/NDF : 8.0/15

Left Out: -3.062 ± 24.643 χ^2/NDF : 20.8/15

Right Out: -22.297 ± 40.123 χ^2/NDF : 14.2/18

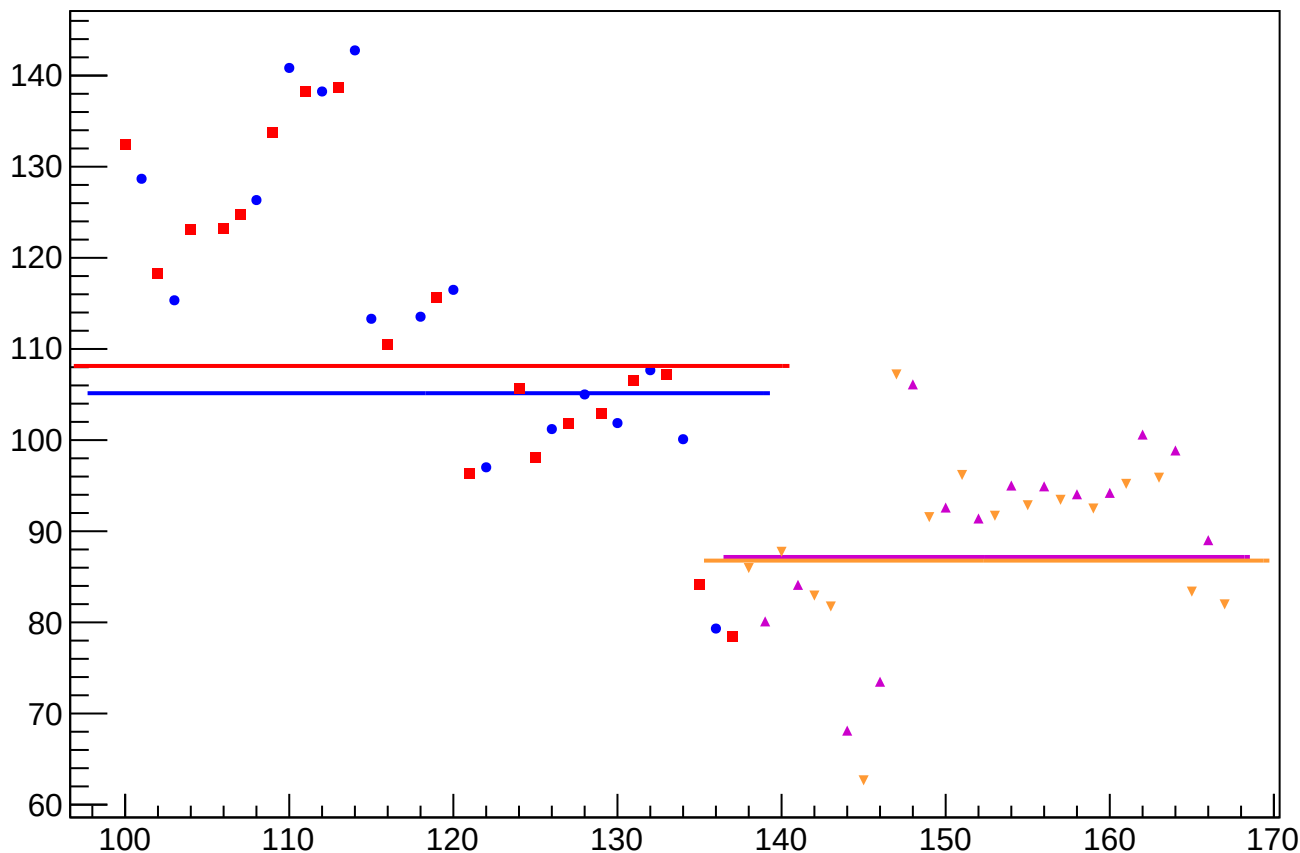
Left In: -15.593 ± 25.942 χ^2/NDF : 10.7/13

+ sign 39.335 ± 20.936 χ^2/NDF : 39.5/31

All: 12.013 ± 15.095 χ^2/NDF : 68.0/64

- sign -17.570 ± 21.785 χ^2/NDF : 24.9/32

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.5/15

Left Out: 86.778 $\pm$ 0.017 χ^2 /NDF: 390279.8/15

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

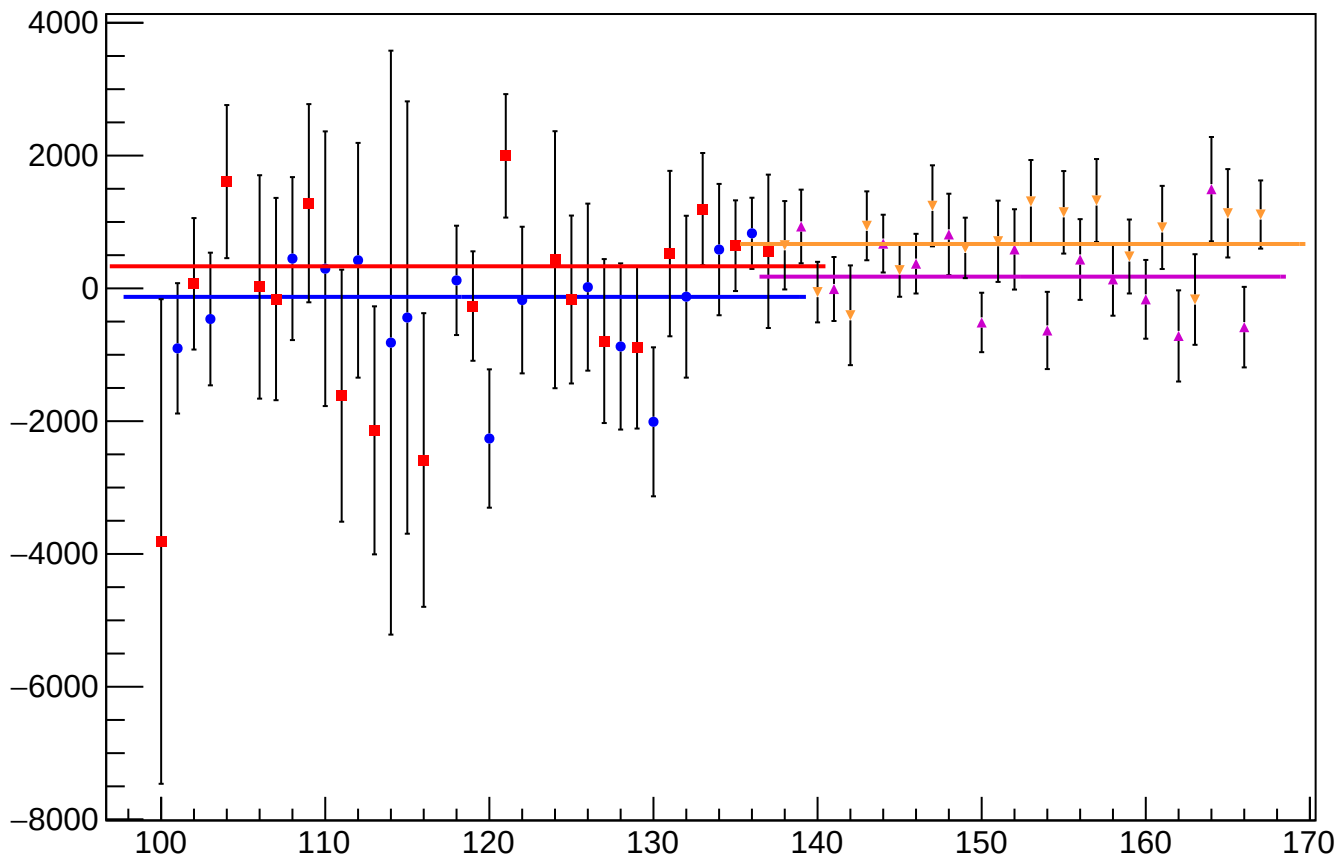
Left In: 87.176 $\pm$ 0.018 χ^2 /NDF: 364756.2/13

+ sign 91.889 $\pm$ 0.015 χ^2 /NDF: 1107884.5/31

All: 92.593 $\pm$ 0.011 χ^2 /NDF: 2208594.3/64

- sign 93.355 $\pm$ 0.015 χ^2 /NDF: 1096004.3/32

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: -128.047 $\pm$ 268.611 χ^2/NDF : 12.3/15

Left Out: 668.648 $\pm$ 140.488 χ^2/NDF : 12.5/15

Right Out: 332.665 $\pm$ 270.835 χ^2/NDF : 14.7/18

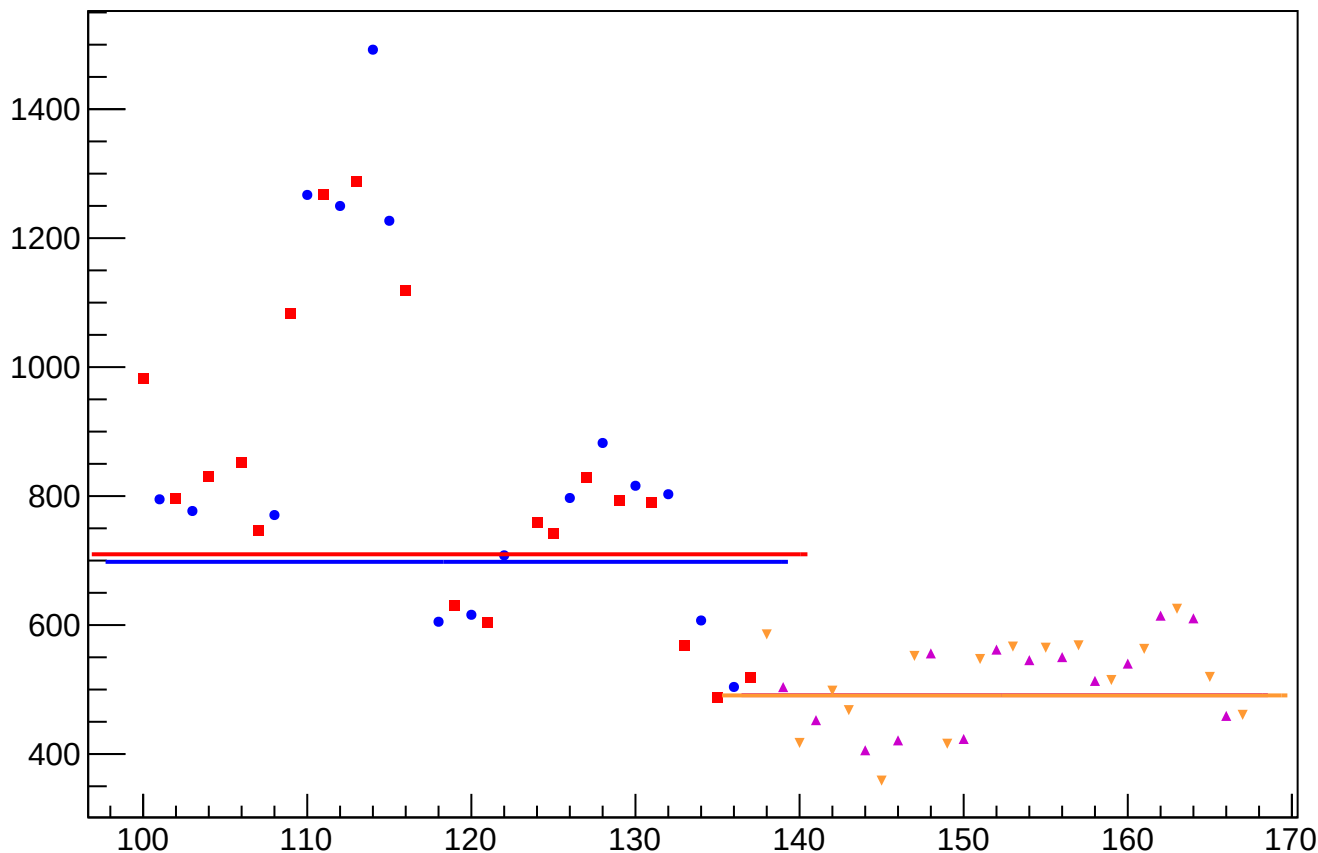
Left In: 176.540 $\pm$ 146.660 χ^2/NDF : 16.0/13

+ sign 497.527 $\pm$ 124.489 χ^2/NDF : 31.7/31

All: 359.776 $\pm$ 89.568 χ^2/NDF : 65.1/64

- sign 211.940 $\pm$ 128.966 χ^2/NDF : 30.9/32

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912861.2/15

Left Out: 490.906+/-0.099 χ^2/NDF : 613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF : 1027114.2/18

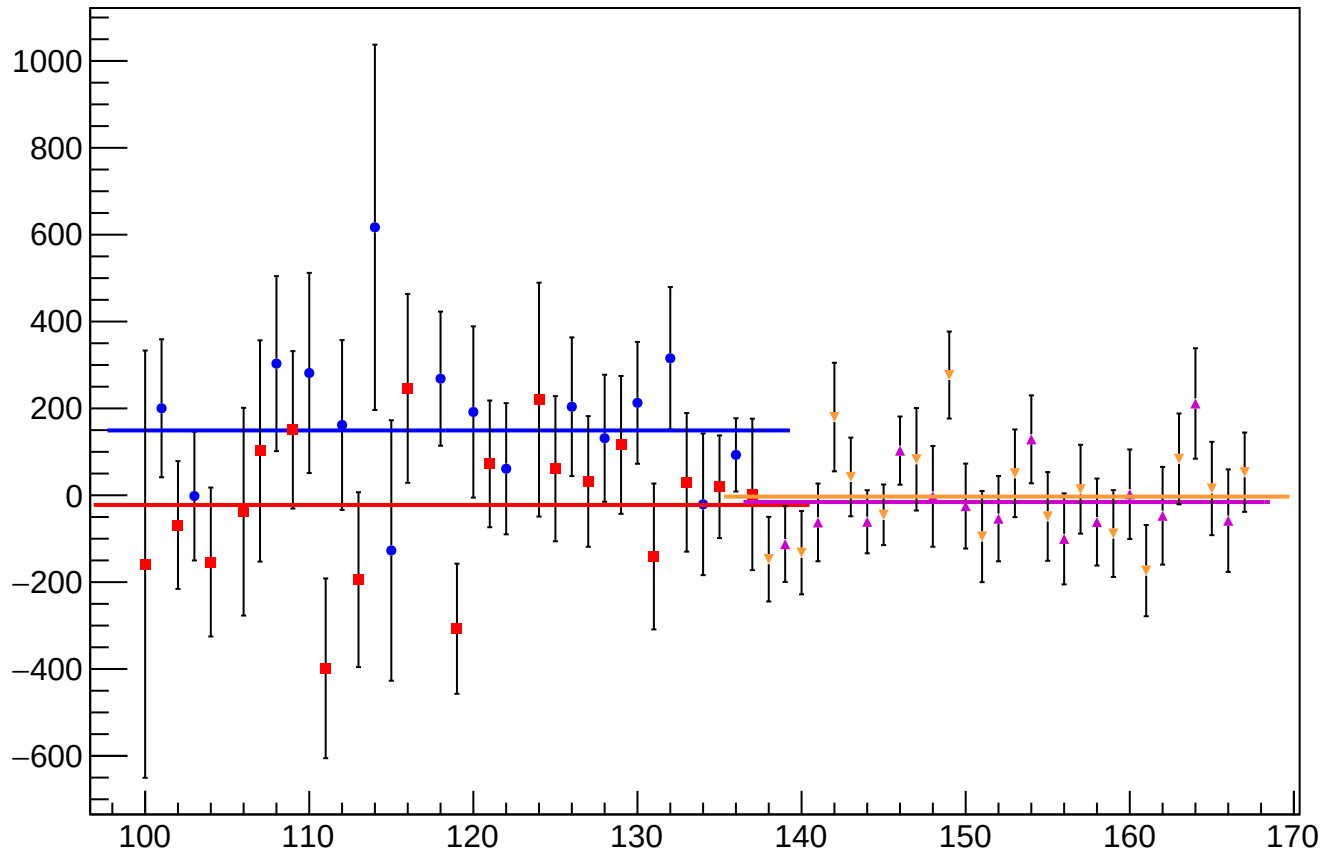
Left In: 491.345+/-0.104 χ^2/NDF : 404748.3/13

+ sign 535.400+/-0.088 χ^2/NDF : 2459939.8/31

All: 538.037+/-0.063 χ^2/NDF : 4899349.2/64

- sign 540.867+/-0.091 χ^2/NDF : 2437549.0/32

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: -3.062 $\pm$ 24.643 χ^2 /NDF:20.8/15

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

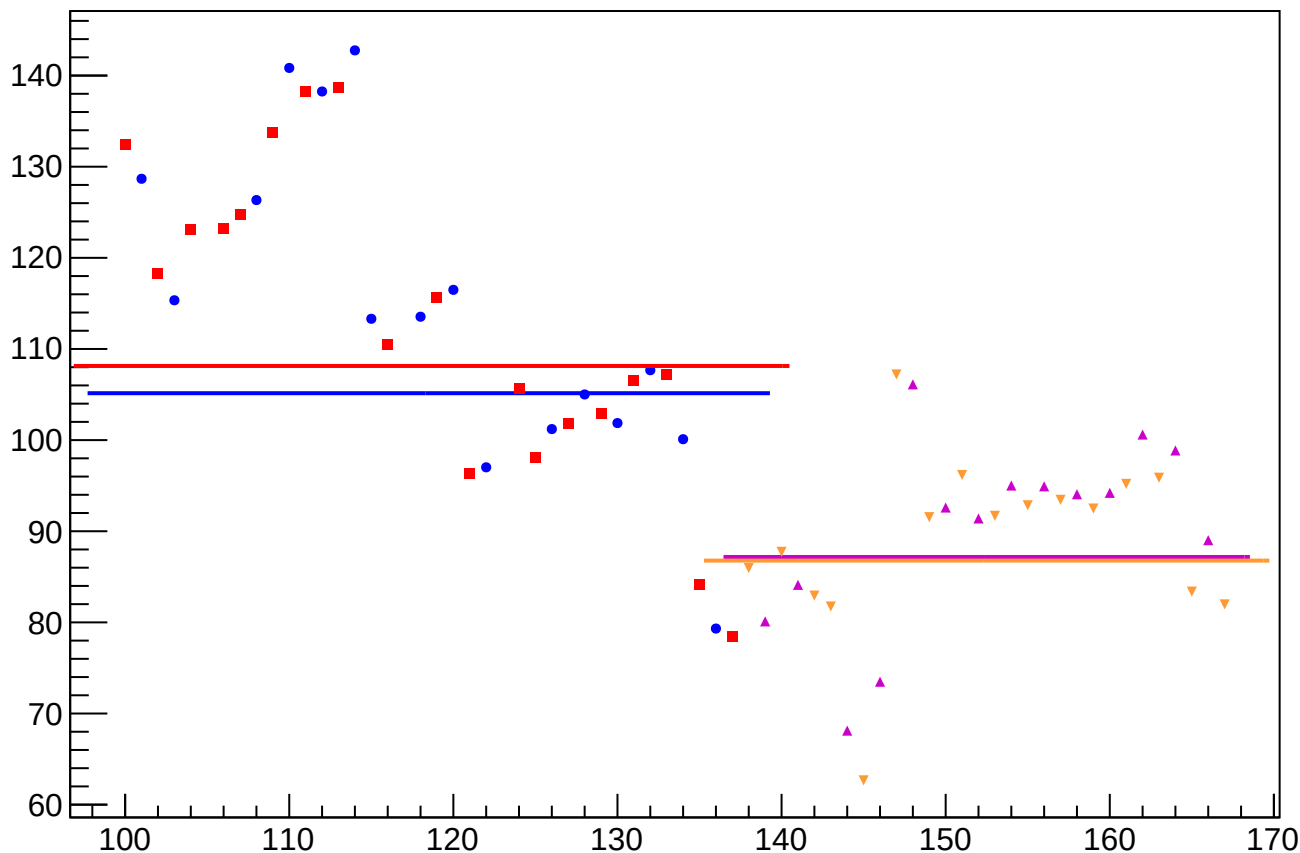
Left In: -15.593 $\pm$ 25.942 χ^2 /NDF:10.7/13

+ sign 39.335 $\pm$ 20.936 χ^2 /NDF: 39.5/31

All: 12.013 $\pm$ 15.095 χ^2 /NDF: 68.0/64

- sign -17.570 $\pm$ 21.785 χ^2 /NDF: 24.9/32

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: 86.778 $\pm$ 0.017 χ^2 /NDF: 390279.8/15

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

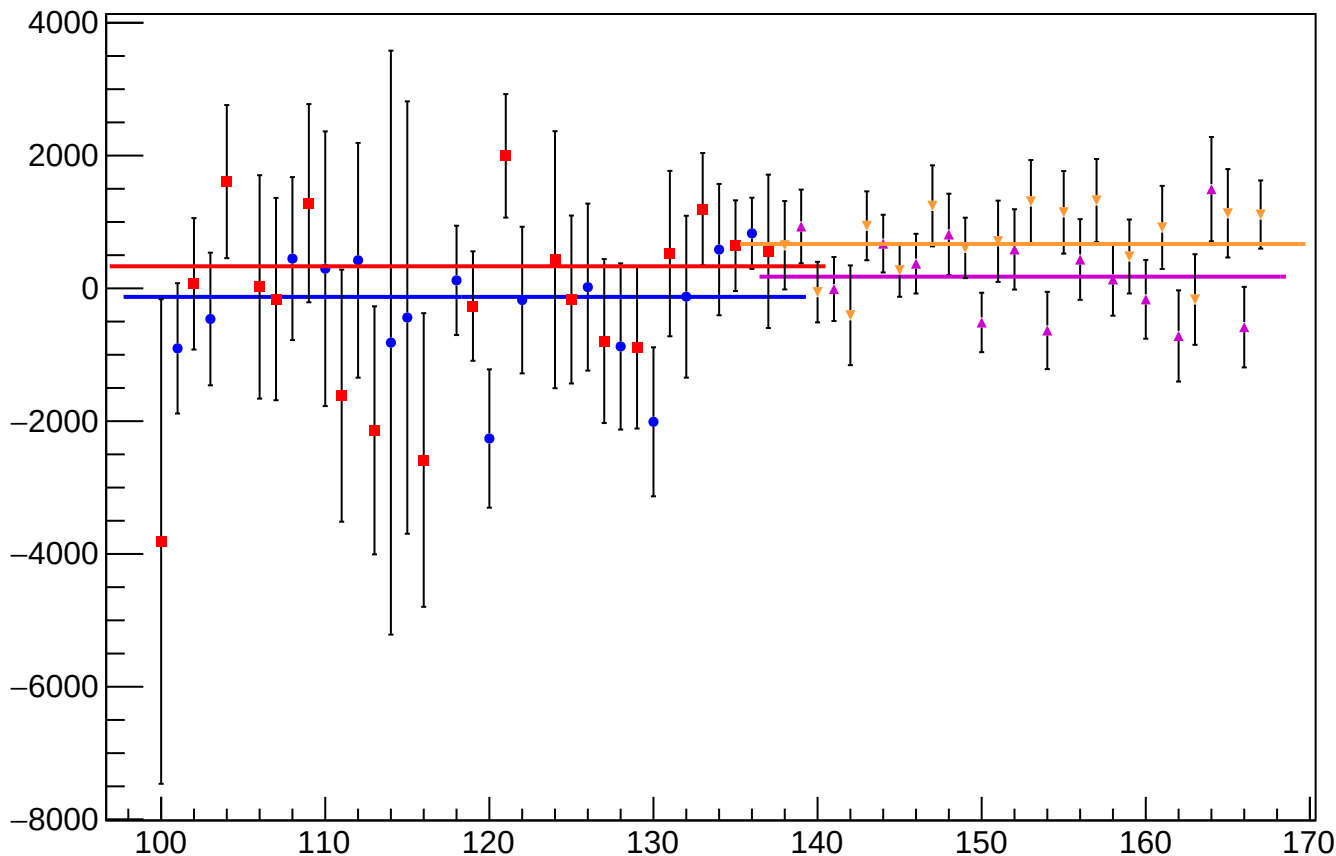
Left In: 87.176 $\pm$ 0.018 χ^2 /NDF: 364756.2/13

+ sign 91.889 $\pm$ 0.015 χ^2 /NDF: 1107884.5/31

All: 92.593 $\pm$ 0.011 χ^2 /NDF: 2208594.3/64

- sign 93.355 $\pm$ 0.015 χ^2 /NDF: 1096004.3/32

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: -128.047 $\pm$ 268.611 χ^2 /NDF: 12.3/15

Left Out: 668.648 $\pm$ 140.488 χ^2 /NDF: 12.5/15

Right Out: 332.665 $\pm$ 270.835 χ^2 /NDF: 14.7/18

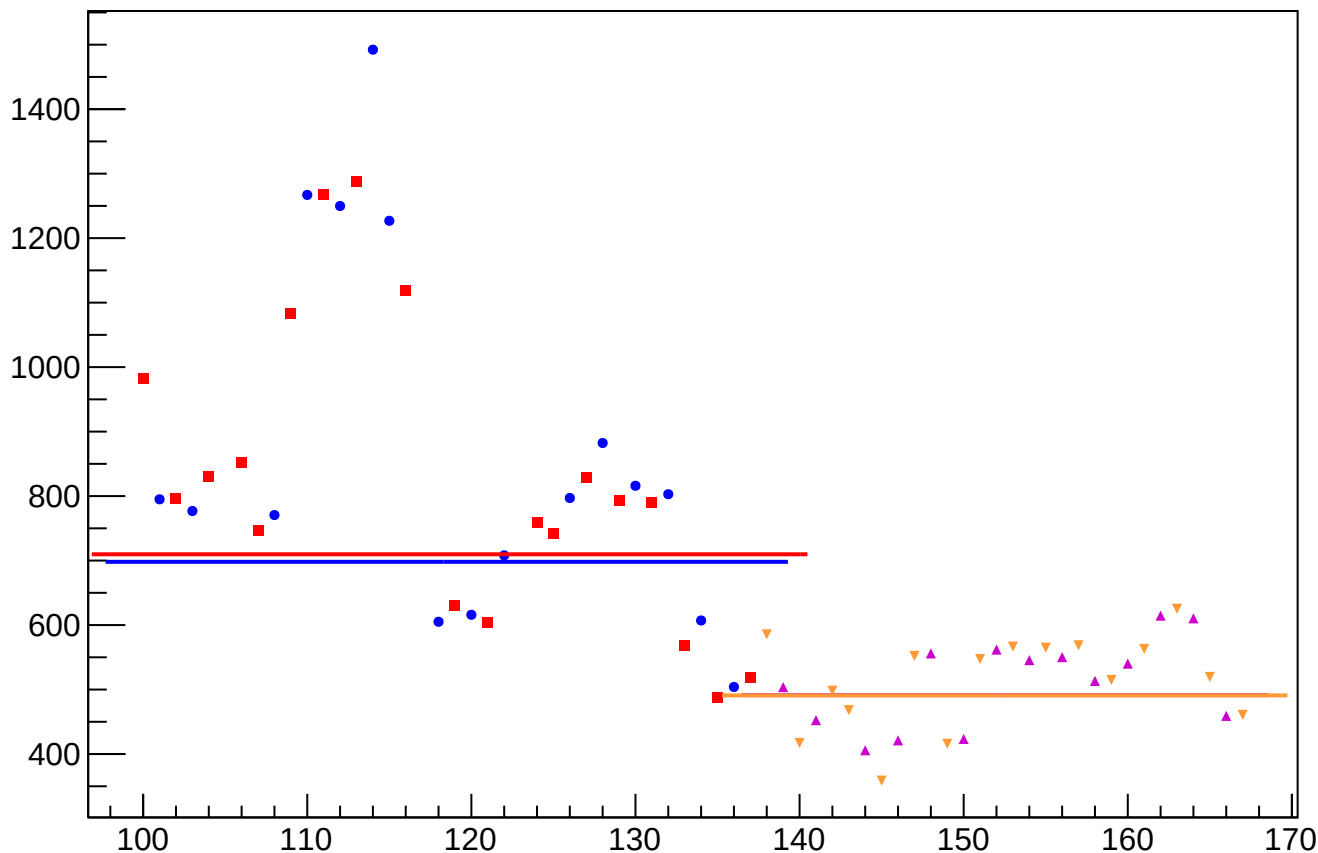
Left In: 176.540 $\pm$ 146.660 χ^2 /NDF: 16.0/13

+ sign 497.527 $\pm$ 124.489 χ^2 /NDF: 31.7/31

All: 359.776 $\pm$ 89.568 χ^2 /NDF: 65.1/64

- sign 211.940 $\pm$ 128.966 χ^2 /NDF: 30.9/32

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 698.055 $\pm$ 0.190 χ^2 /NDF: 912861.2/15

Left Out: 490.906 $\pm$ 0.099 χ^2 /NDF: 613110.1/15

Right Out: 709.748 $\pm$ 0.192 χ^2 /NDF: 1027114.2/18

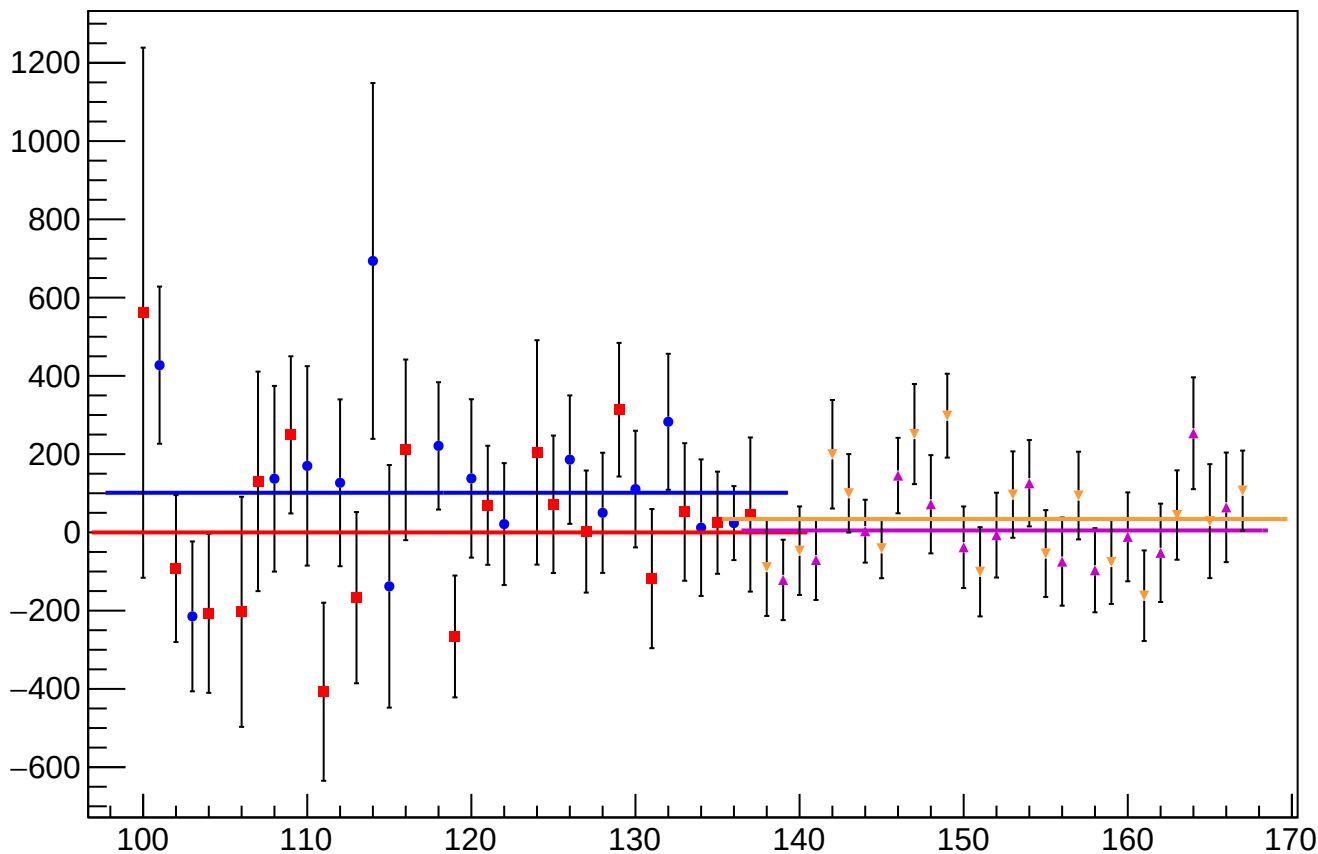
Left In: 491.345 $\pm$ 0.104 χ^2 /NDF: 404748.3/13

+ sign 535.400 $\pm$ 0.088 χ^2 /NDF: 2459939.8/31

All: 538.037 $\pm$ 0.063 χ^2 /NDF: 4899349.2/64

- sign 540.867 $\pm$ 0.091 χ^2 /NDF: 2437549.0/32

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF : 11.0/15

Left Out: 34.108+/-27.582 χ^2/NDF : 20.3/15

Right Out: -0.125+/-44.035 χ^2/NDF : 16.6/18

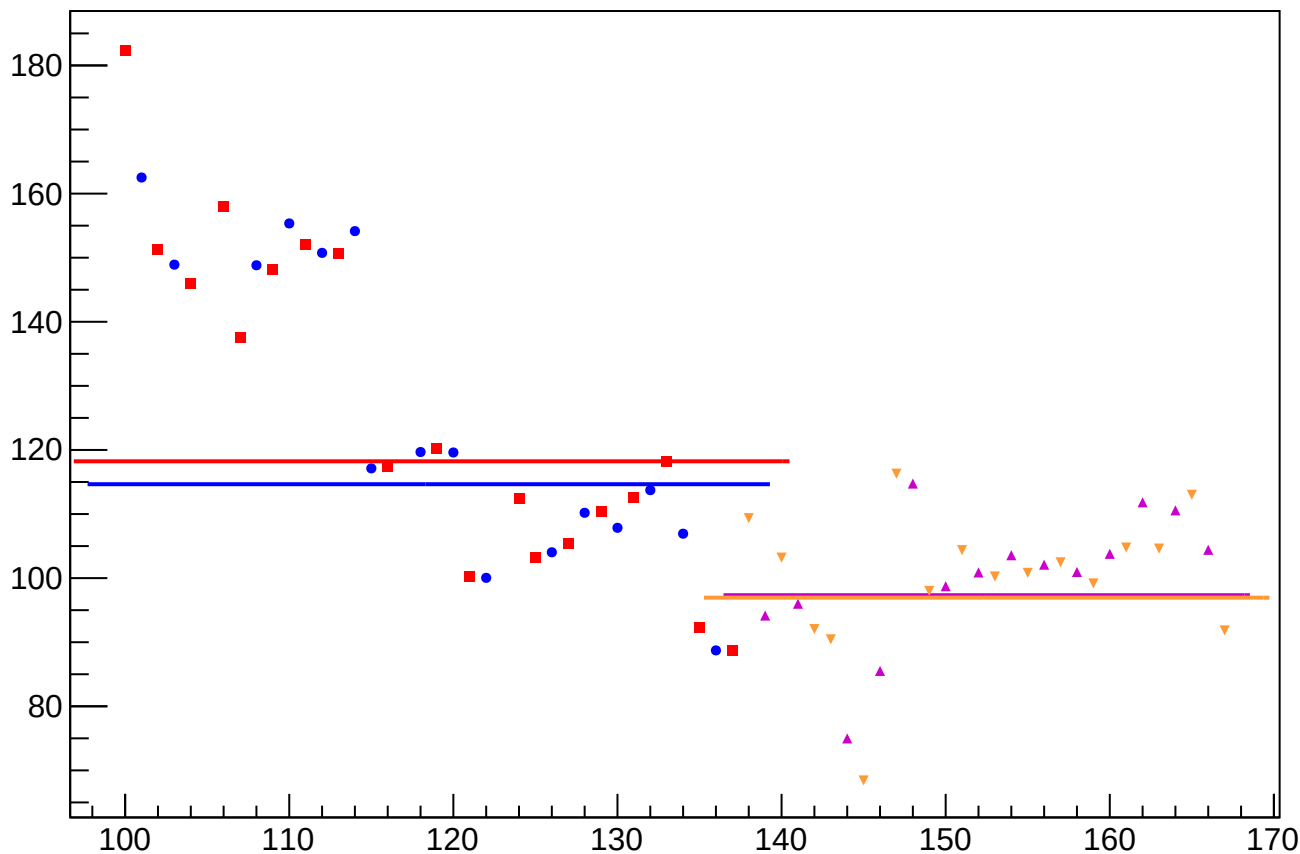
Left In: 4.940+/-29.089 χ^2/NDF : 10.7/13

+ sign 53.364+/-23.296 χ^2/NDF : 33.0/31

All: 29.408+/-16.807 χ^2/NDF : 62.5/64

- sign 3.401+/-24.271 χ^2/NDF : 27.3/32

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655 $\pm$ 0.031 χ^2 /NDF: 531976.2/15

Left Out: 96.950 $\pm$ 0.020 χ^2 /NDF: 427460.4/15

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483407.4/18

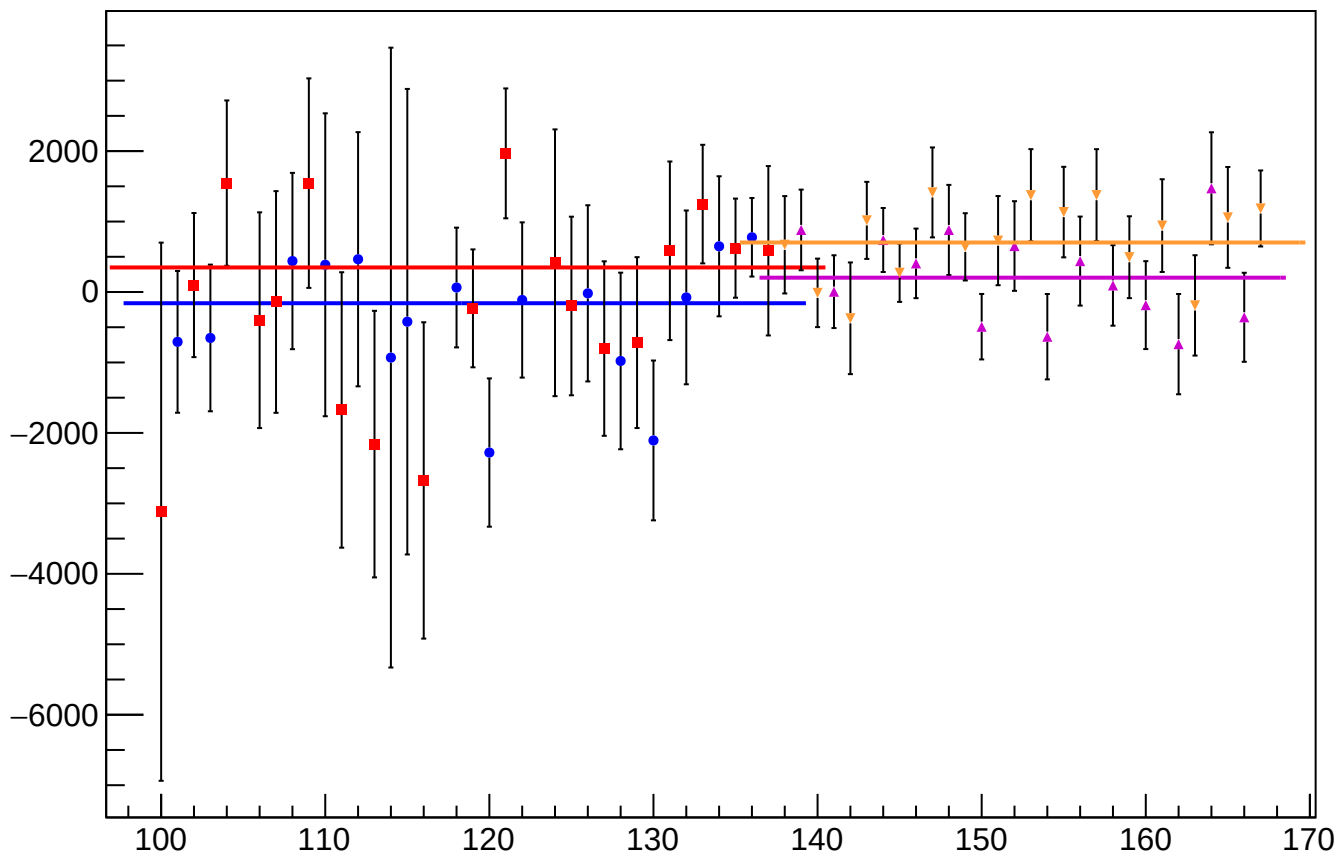
Left In: 97.339 $\pm$ 0.021 χ^2 /NDF: 295737.8/13

+ sign 102.025 $\pm$ 0.016 χ^2 /NDF: 1195657.7/31

All: 102.822 $\pm$ 0.012 χ^2 /NDF: 2293075.6/64

- sign 103.686 $\pm$ 0.017 χ^2 /NDF: 1092543.9/32

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -159.110 ± 274.558 χ^2/NDF : 12.0/15

Left Out: 702.752 ± 147.141 χ^2/NDF : 12.1/15

Right Out: 348.528 ± 273.595 χ^2/NDF : 14.3/18

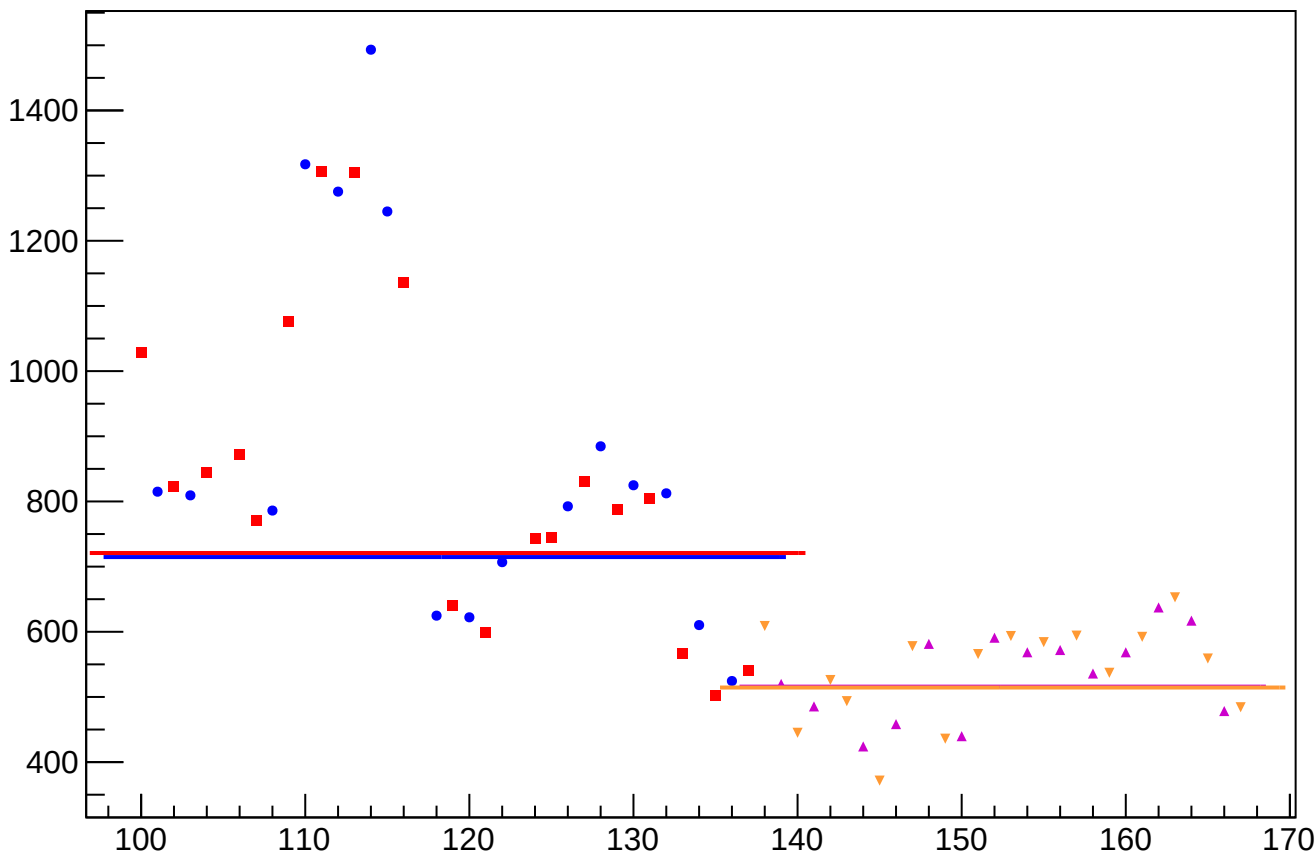
Left In: 203.336 ± 153.910 χ^2/NDF : 14.5/13

+ sign 510.448 ± 129.691 χ^2/NDF : 31.7/31

All: 378.934 ± 93.239 χ^2/NDF : 62.9/64

- sign 238.238 ± 134.142 χ^2/NDF : 29.1/32

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: 514.479 $\pm$ 0.104 χ^2 /NDF: 609959.2/15

+ sign 559.146 $\pm$ 0.092 χ^2 /NDF: 2312187.7/31

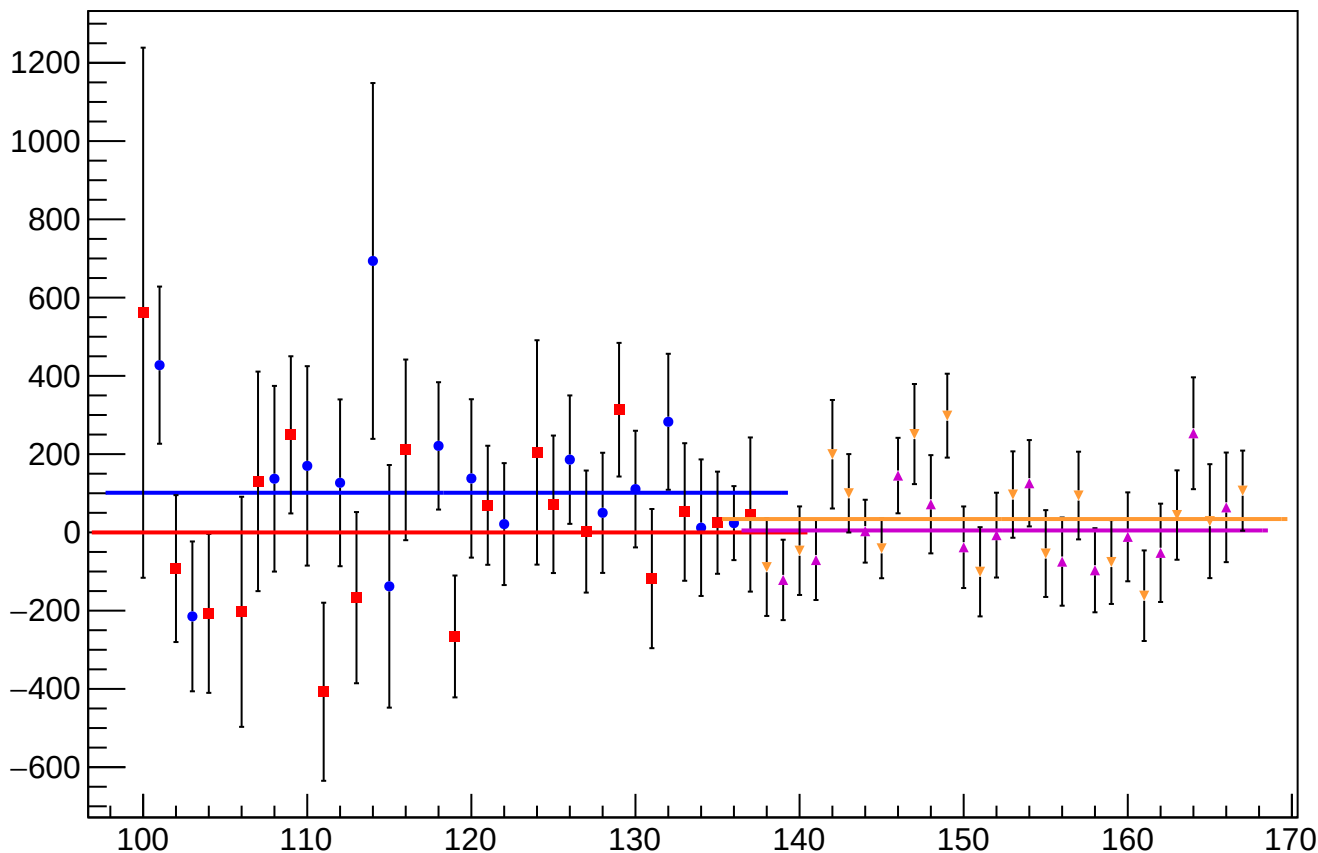
Right Out: 720.885 $\pm$ 0.193 χ^2 /NDF: 1018435.1/18

All: 562.040 $\pm$ 0.066 χ^2 /NDF: 4549553.7/64

Left In: 515.847 $\pm$ 0.109 χ^2 /NDF: 363625.3/13

- sign 565.135 $\pm$ 0.095 χ^2 /NDF: 2235305.2/32

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: 34.107 $\pm$ 27.582 χ^2 /NDF:20.3/15

Right Out: -0.125 $\pm$ 44.035 χ^2 /NDF: 16.6/18

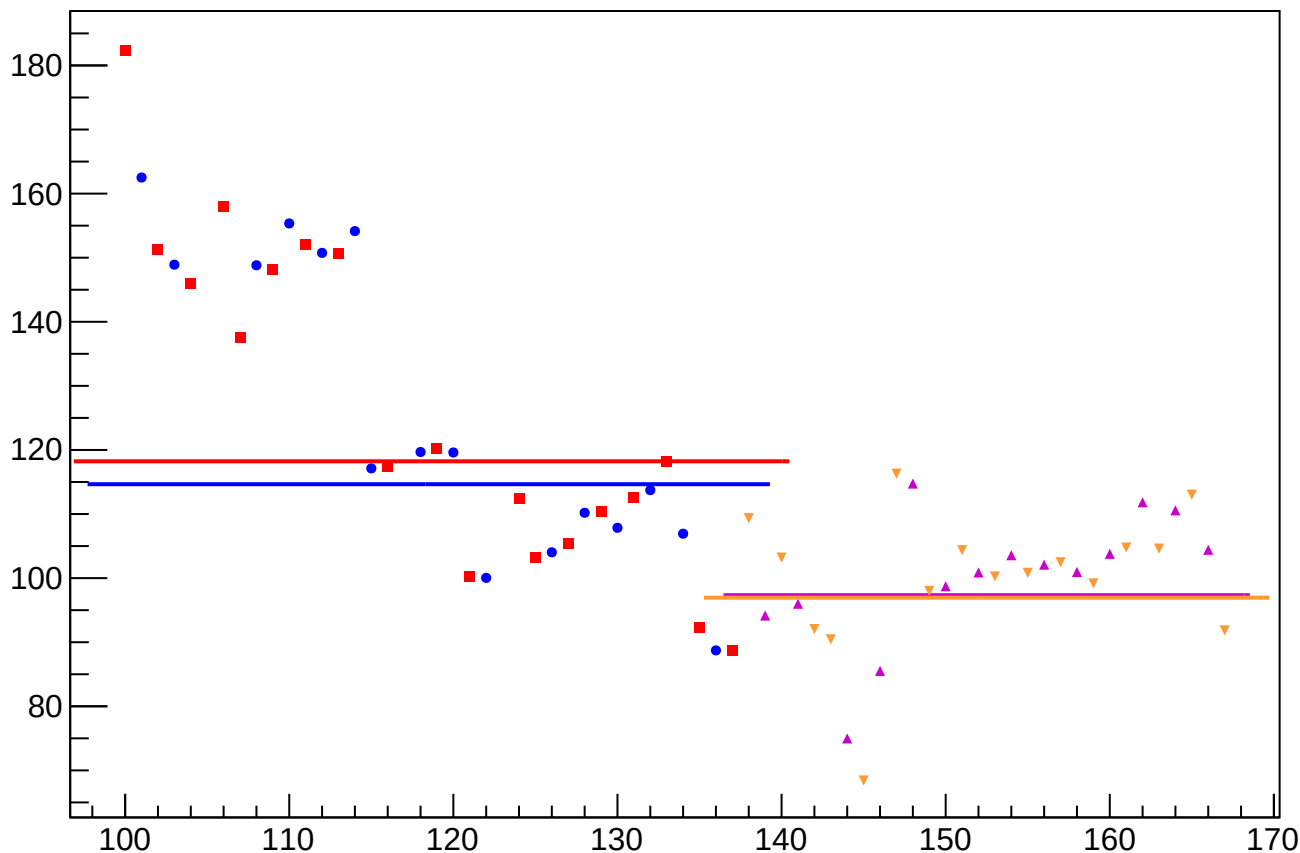
Left In: 4.941 $\pm$ 29.089 χ^2 /NDF:10.7/13

+ sign 53.363 $\pm$ 23.296 χ^2 /NDF: 33.0/31

All: 29.407 $\pm$ 16.807 χ^2 /NDF: 62.5/64

- sign 3.402 $\pm$ 24.271 χ^2 /NDF: 27.3/32

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: 96.950 $\pm$ 0.020 χ^2 /NDF: 427467.7/15

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483401.1/18

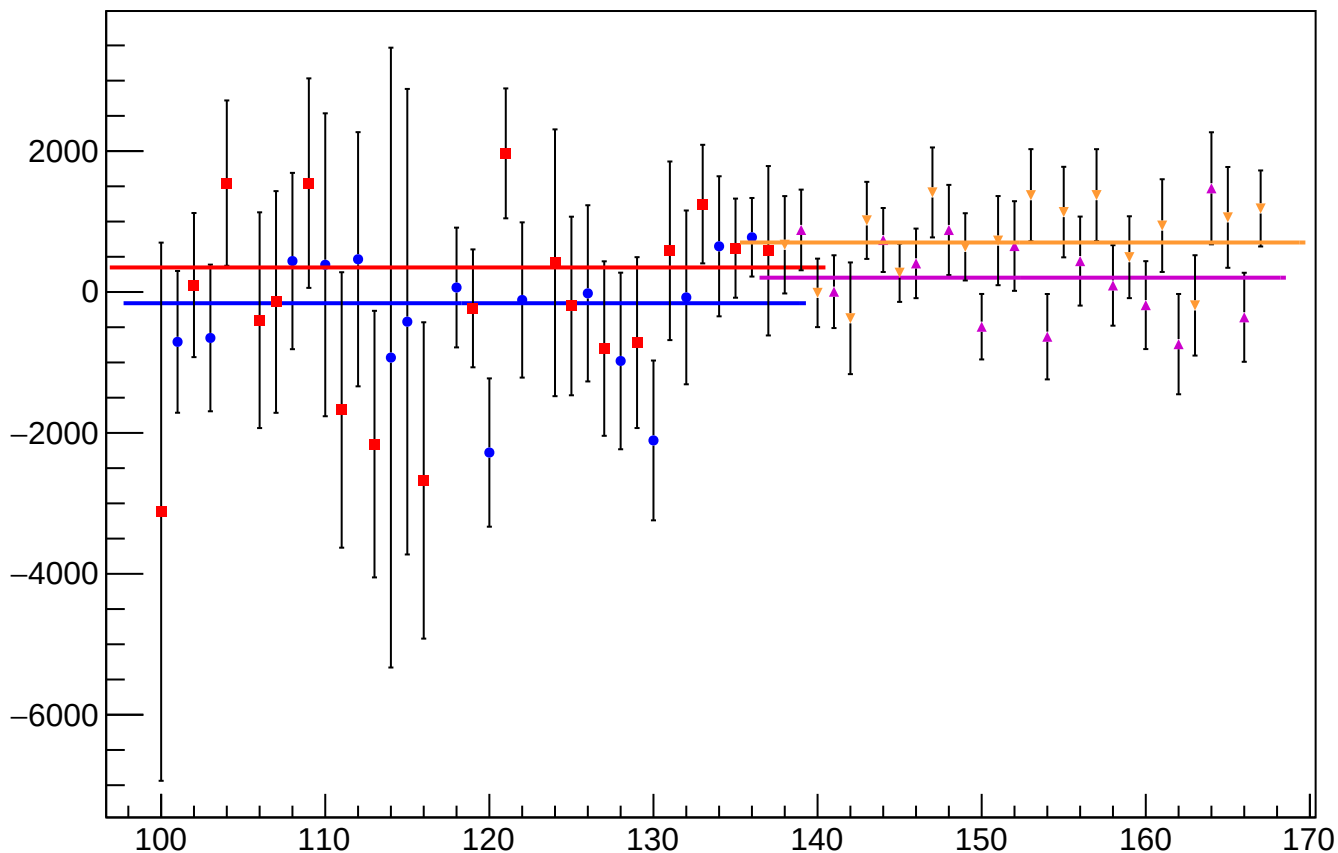
Left In: 97.339 $\pm$ 0.021 χ^2 /NDF: 295737.9/13

+ sign 102.025 $\pm$ 0.016 χ^2 /NDF: 1195655.7/31

All: 102.822 $\pm$ 0.012 χ^2 /NDF: 2293065.0/64

- sign 103.686 $\pm$ 0.017 χ^2 /NDF: 1092535.2/32

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: -159.112 $\pm$ 274.558 χ^2 /NDF: 12.0/15

Left Out: 702.751 $\pm$ 147.141 χ^2 /NDF:12.1/15

Right Out: 348.528 $\pm$ 273.595 χ^2 /NDF: 14.3/18

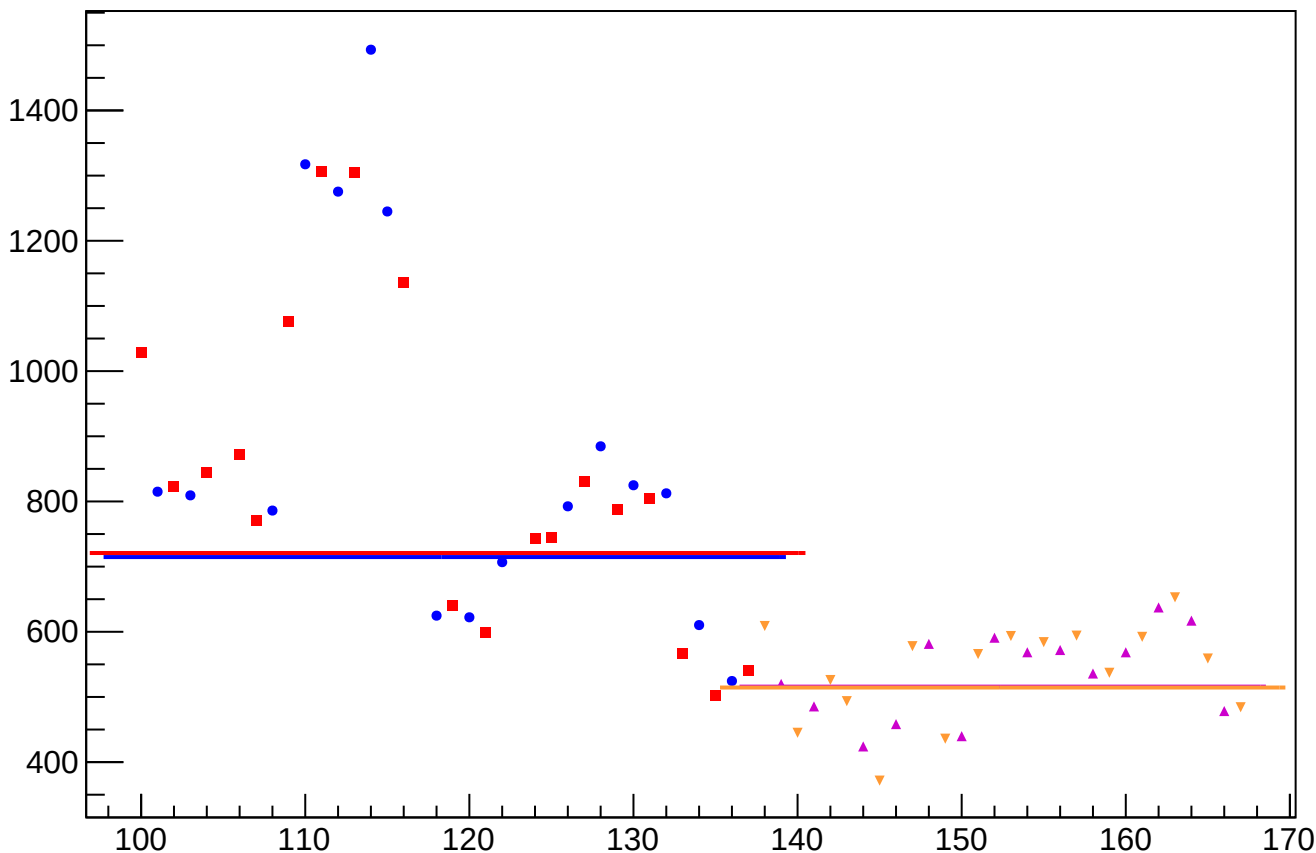
Left In: 203.336 $\pm$ 153.910 χ^2 /NDF:14.5/13

+ sign 510.446 $\pm$ 129.691 χ^2 /NDF: 31.7/31

All: 378.934 $\pm$ 93.239 χ^2 /NDF: 62.9/64

- sign 238.239 $\pm$ 134.142 χ^2 /NDF: 29.1/32

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: 514.479 $\pm$ 0.104 χ^2 /NDF: 609961.6/15

Right Out: 720.884 $\pm$ 0.193 χ^2 /NDF: 1018428.9/18

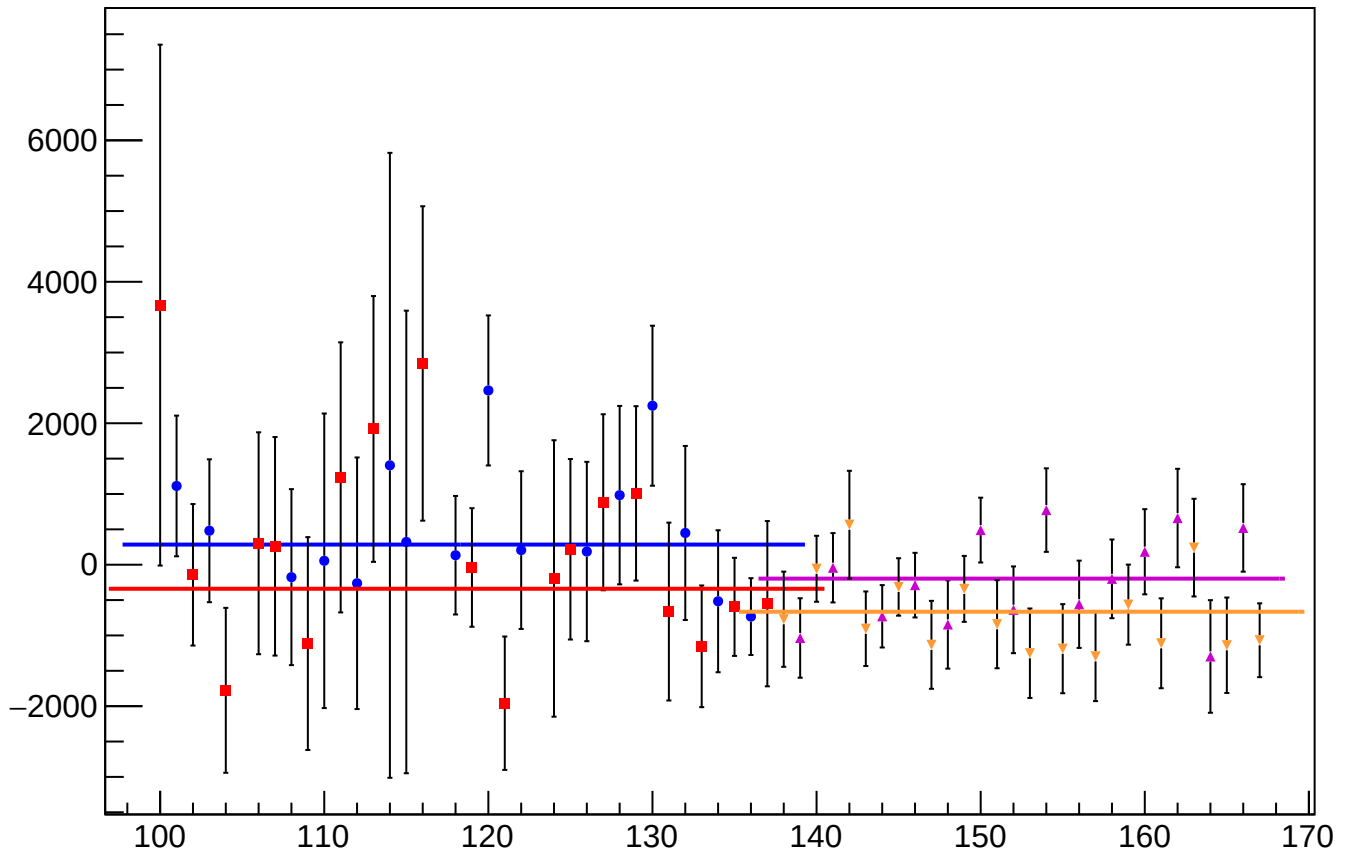
Left In: 515.847 $\pm$ 0.109 χ^2 /NDF: 363624.2/13

+ sign 559.146 $\pm$ 0.092 χ^2 /NDF: 2312185.1/31

All: 562.040 $\pm$ 0.066 χ^2 /NDF: 4549540.7/64

- sign 565.135 $\pm$ 0.095 χ^2 /NDF: 2235294.8/32

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780 ± 271.944 $\chi^2/\text{NDF}: 12.8/15$

Left Out: -664.937 ± 142.802 $\chi^2/\text{NDF}: 12.3/15$

Right Out: -340.018 ± 273.601 $\chi^2/\text{NDF}: 14.1/18$

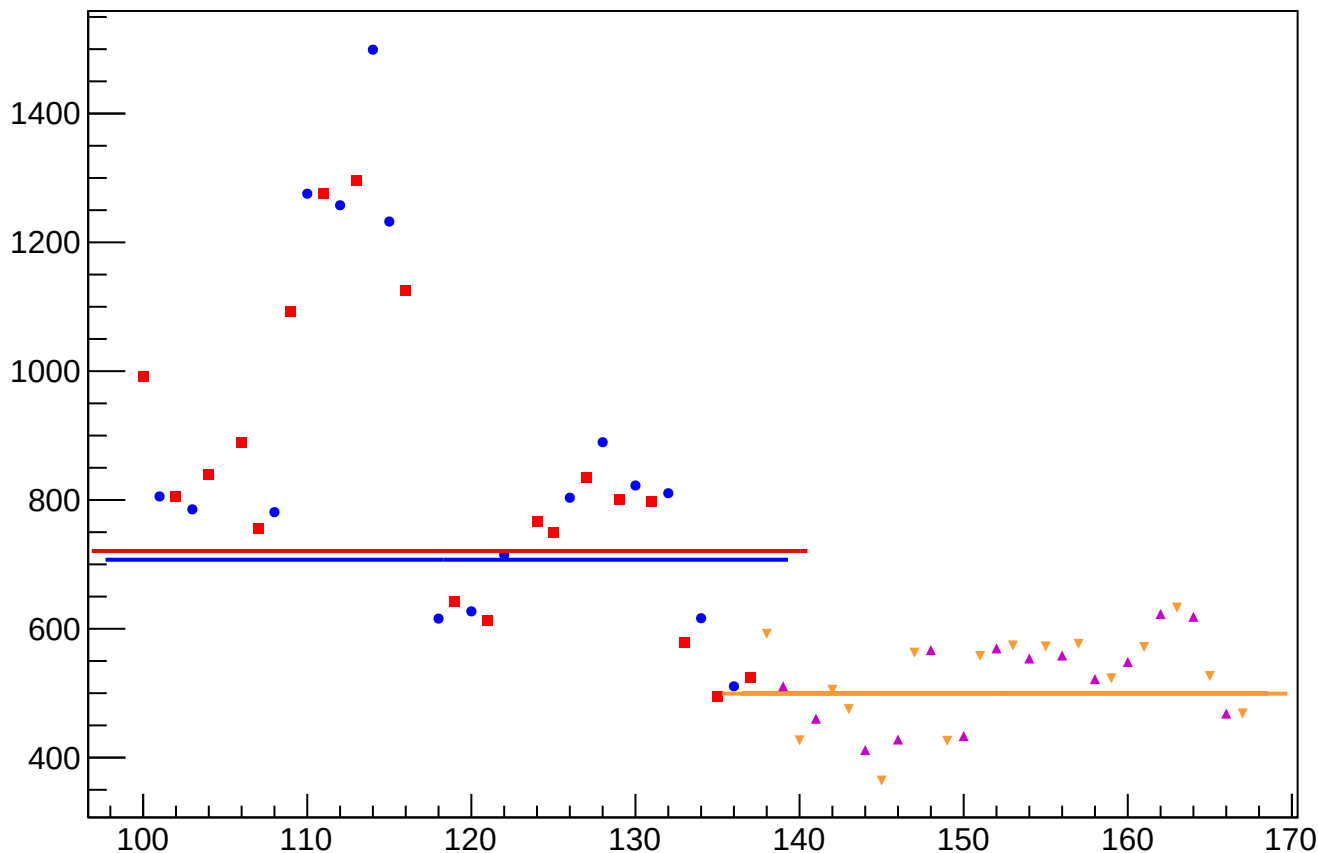
Left In: -196.571 ± 149.079 $\chi^2/\text{NDF}: 15.9/13$

+ sign -459.661 ± 126.430 $\chi^2/\text{NDF}: 34.6/31$

All: -348.541 ± 90.941 $\chi^2/\text{NDF}: 66.4/64$

- sign -229.410 ± 130.908 $\chi^2/\text{NDF}: 30.2/32$

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209 $\pm$ 0.192 χ^2/NDF : 896689.9/15

Left Out: 499.253 $\pm$ 0.101 χ^2/NDF : 598738.5/15

+ sign 544.202 $\pm$ 0.089 χ^2/NDF : 2412176.9/31

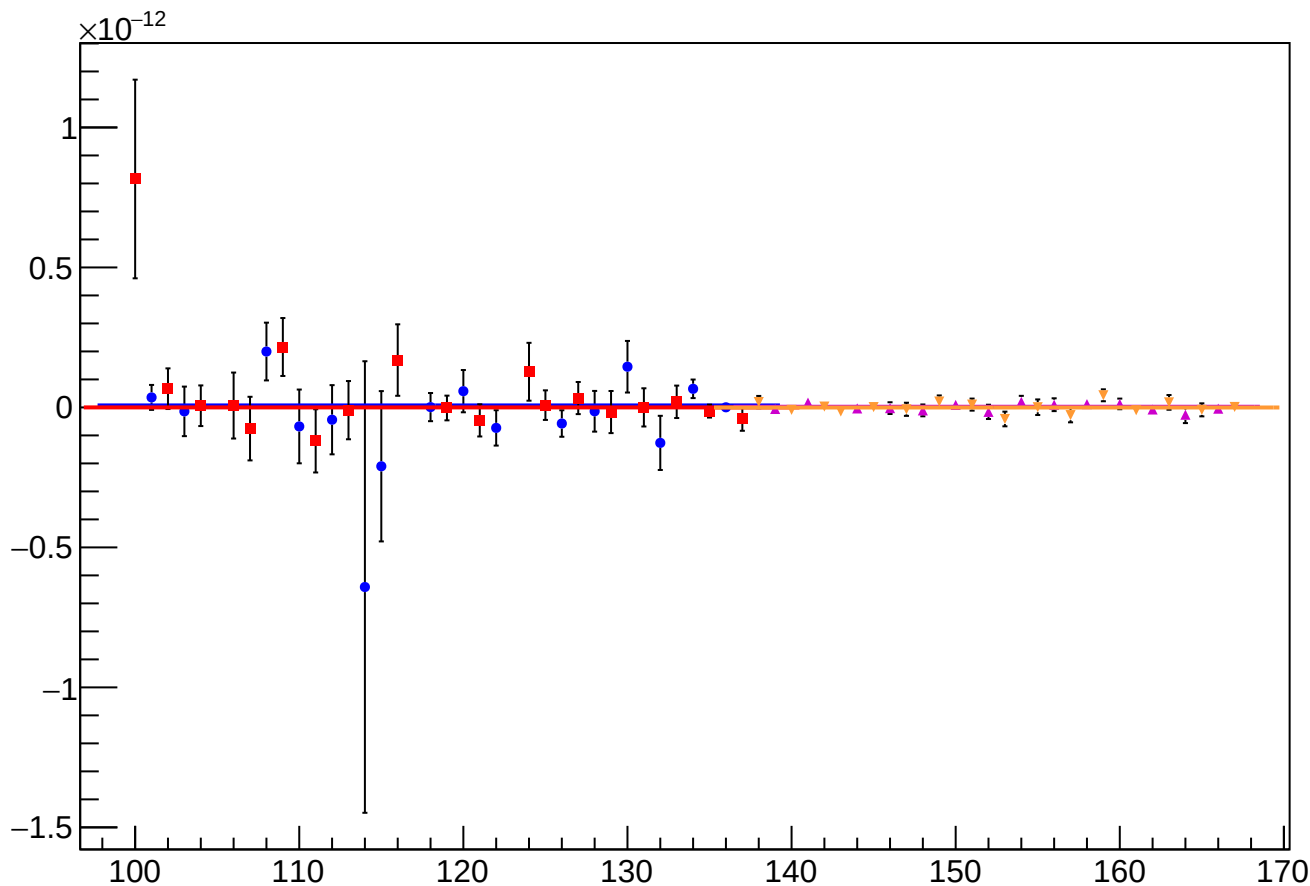
Right Out: 720.778 $\pm$ 0.193 χ^2/NDF : 1015277.9/18

All: 547.116 $\pm$ 0.064 χ^2/NDF : 4834717.2/64

- sign 550.241 $\pm$ 0.093 χ^2/NDF : 2420338.3/32

Left In: 499.610 $\pm$ 0.105 χ^2/NDF : 397351.8/13

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:12.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/18

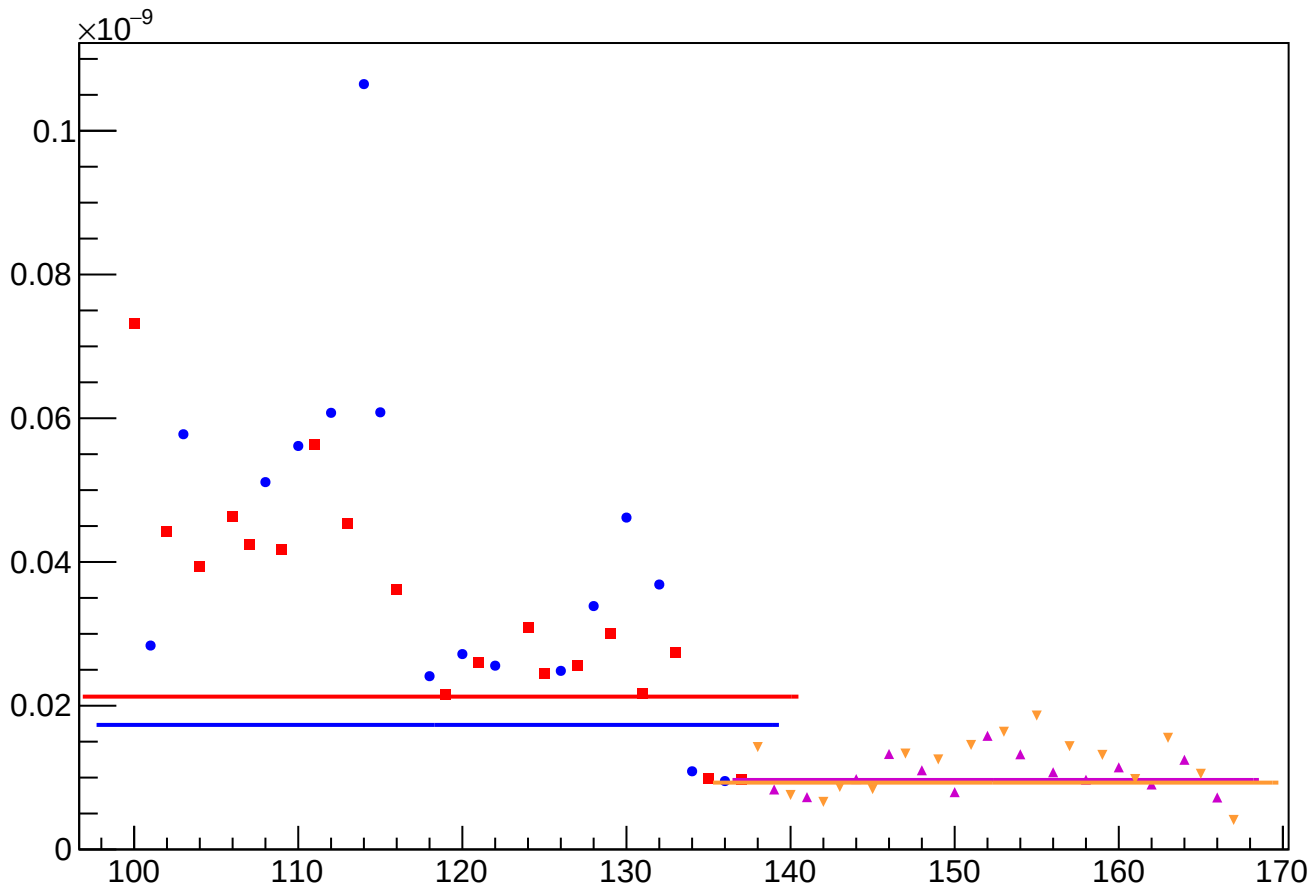
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:5.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 53.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/32

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2368825.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1675938.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1671050.7/18

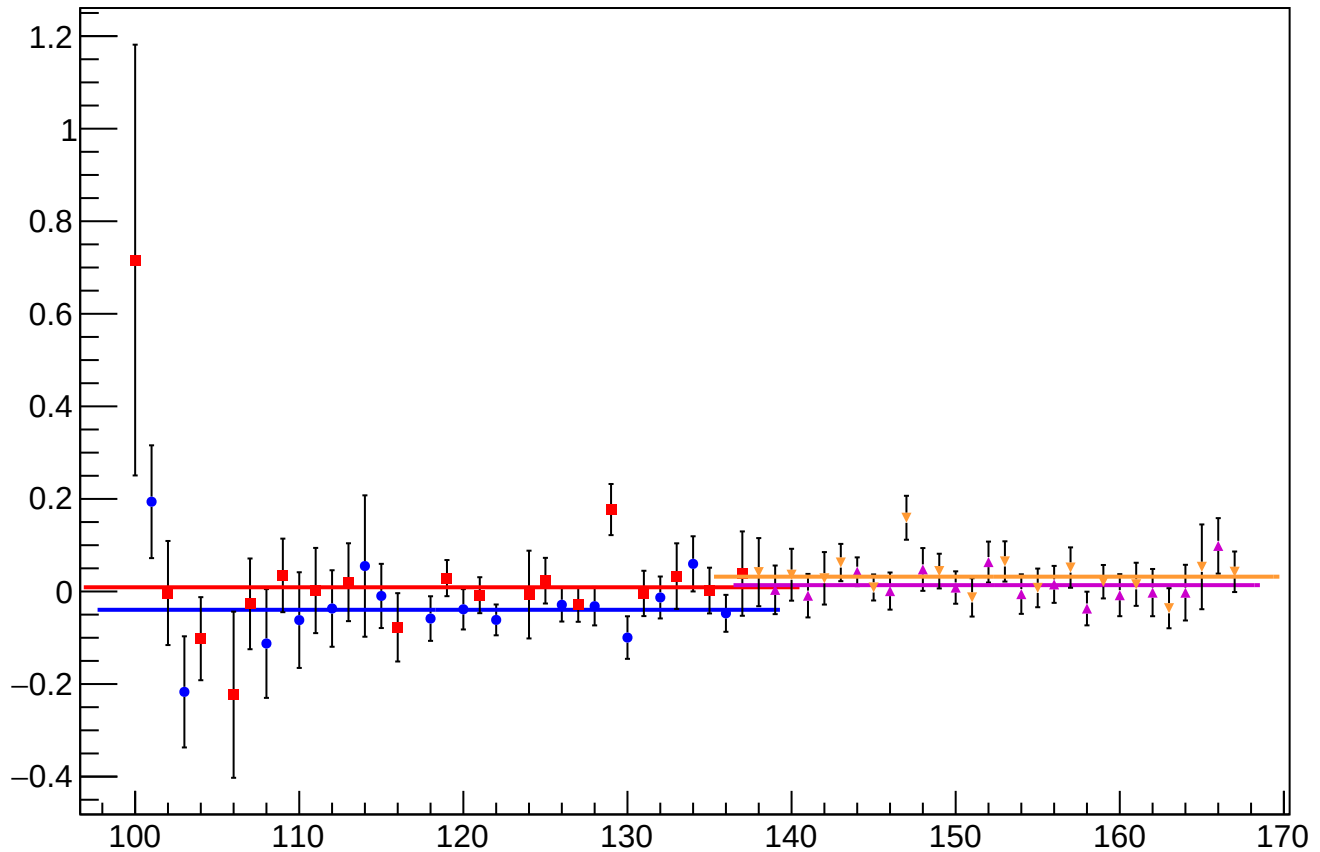
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:434580.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4899470.7/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8359284.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3437888.2/32

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 0.032 ± 0.011 $\chi^2/\text{NDF}: 13.7/15$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 18.3/18$

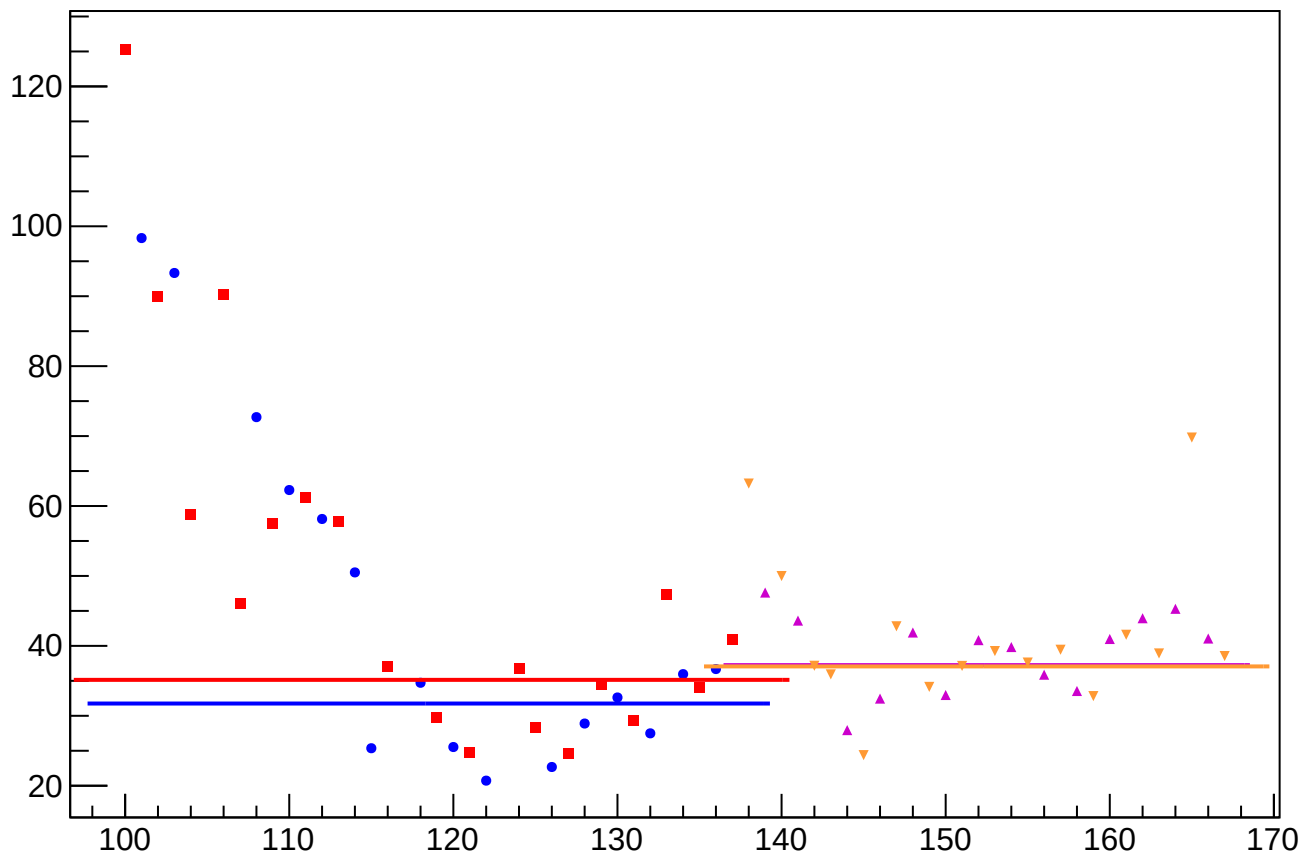
Left In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 7.6/13$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 43.7/31$

All: 0.007 ± 0.006 $\chi^2/\text{NDF}: 70.2/64$

- sign 0.012 ± 0.009 $\chi^2/\text{NDF}: 26.0/32$

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755 $\pm$ 0.009 χ^2 /NDF: 2252399.3/15

Left Out: 37.062 $\pm$ 0.008 χ^2 /NDF: 1127242.5/15

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844676.3/18

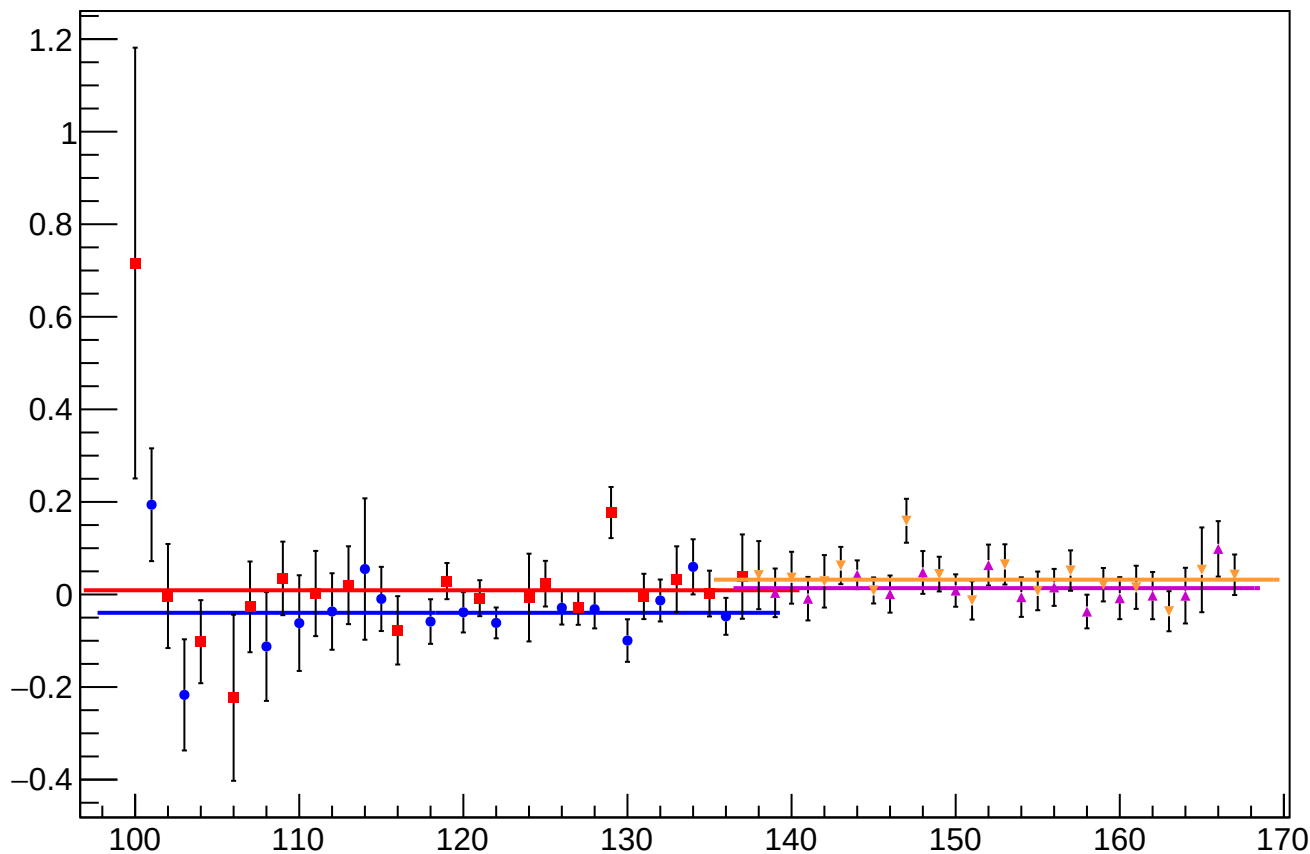
Left In: 37.248 $\pm$ 0.008 χ^2 /NDF: 507700.6/13

+ sign 34.910 $\pm$ 0.006 χ^2 /NDF: 3572887.4/31

All: 35.617 $\pm$ 0.004 χ^2 /NDF: 5982339.3/64

- sign 36.415 $\pm$ 0.006 χ^2 /NDF: 2379172.0/32

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 0.032 ± 0.011 $\chi^2/\text{NDF}: 13.7/15$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 18.3/18$

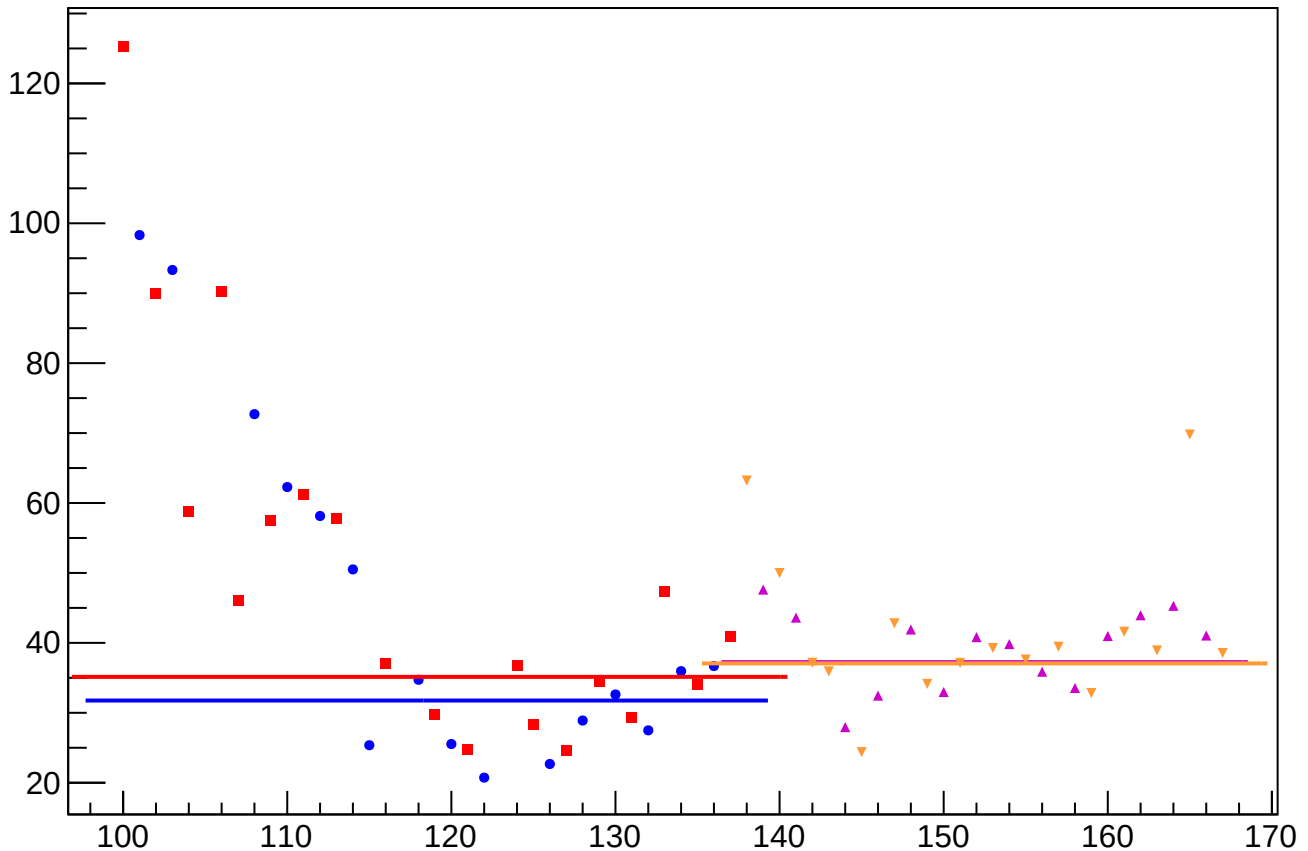
Left In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 7.6/13$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 43.7/31$

All: 0.007 ± 0.006 $\chi^2/\text{NDF}: 70.2/64$

- sign 0.012 ± 0.009 $\chi^2/\text{NDF}: 26.0/32$

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.755 ± 0.009 $\chi^2/\text{NDF}: 2252399.3/15$

Left Out: 37.062 ± 0.008 $\chi^2/\text{NDF}: 1127242.5/15$

Right Out: 35.140 ± 0.010 $\chi^2/\text{NDF}: 1844676.3/18$

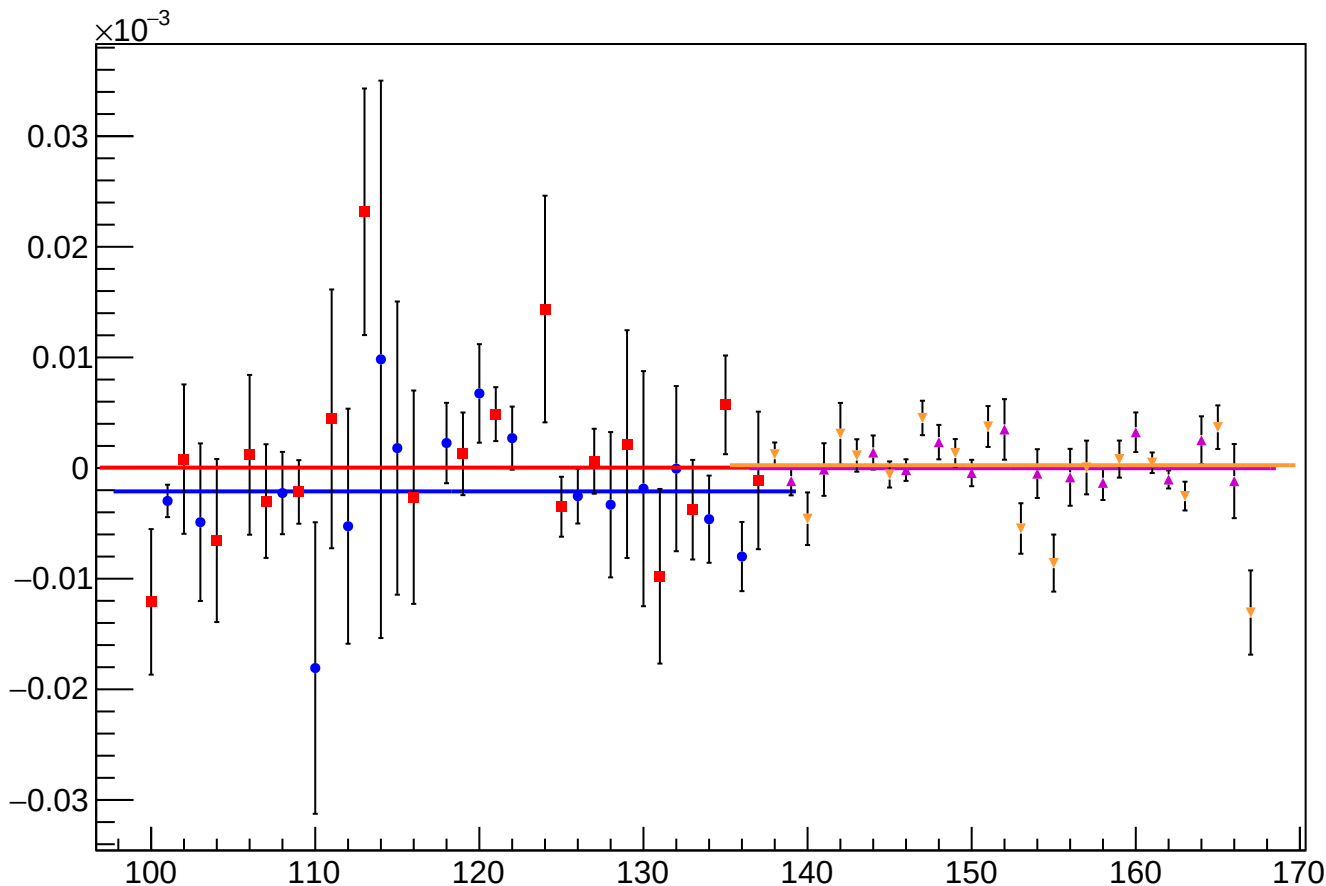
Left In: 37.248 ± 0.008 $\chi^2/\text{NDF}: 507700.6/13$

+ sign 34.910 ± 0.006 $\chi^2/\text{NDF}: 3572887.4/31$

All: 35.617 ± 0.004 $\chi^2/\text{NDF}: 5982339.3/64$

- sign 36.415 ± 0.006 $\chi^2/\text{NDF}: 2379172.0/32$

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.7/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 56.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.4/18

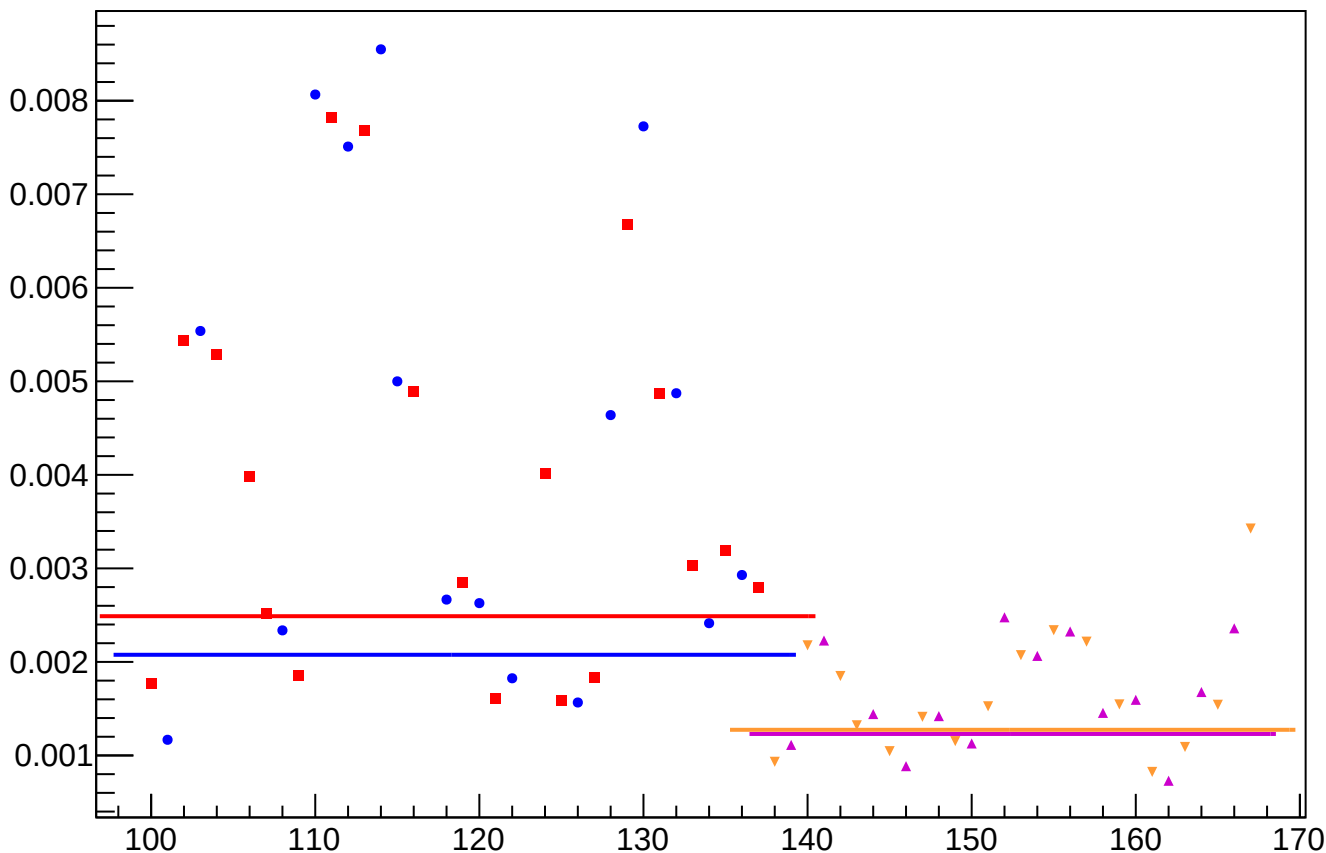
Left In: -0.000 ± 0.000 χ^2/NDF : 13.0/13

+ sign -0.000 ± 0.000 χ^2/NDF : 77.3/31

All: -0.000 ± 0.000 χ^2/NDF : 111.7/64

- sign -0.000 ± 0.000 χ^2/NDF : 34.4/32

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 3916668.9/15

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 2853145.1/15

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 3092230.7/18

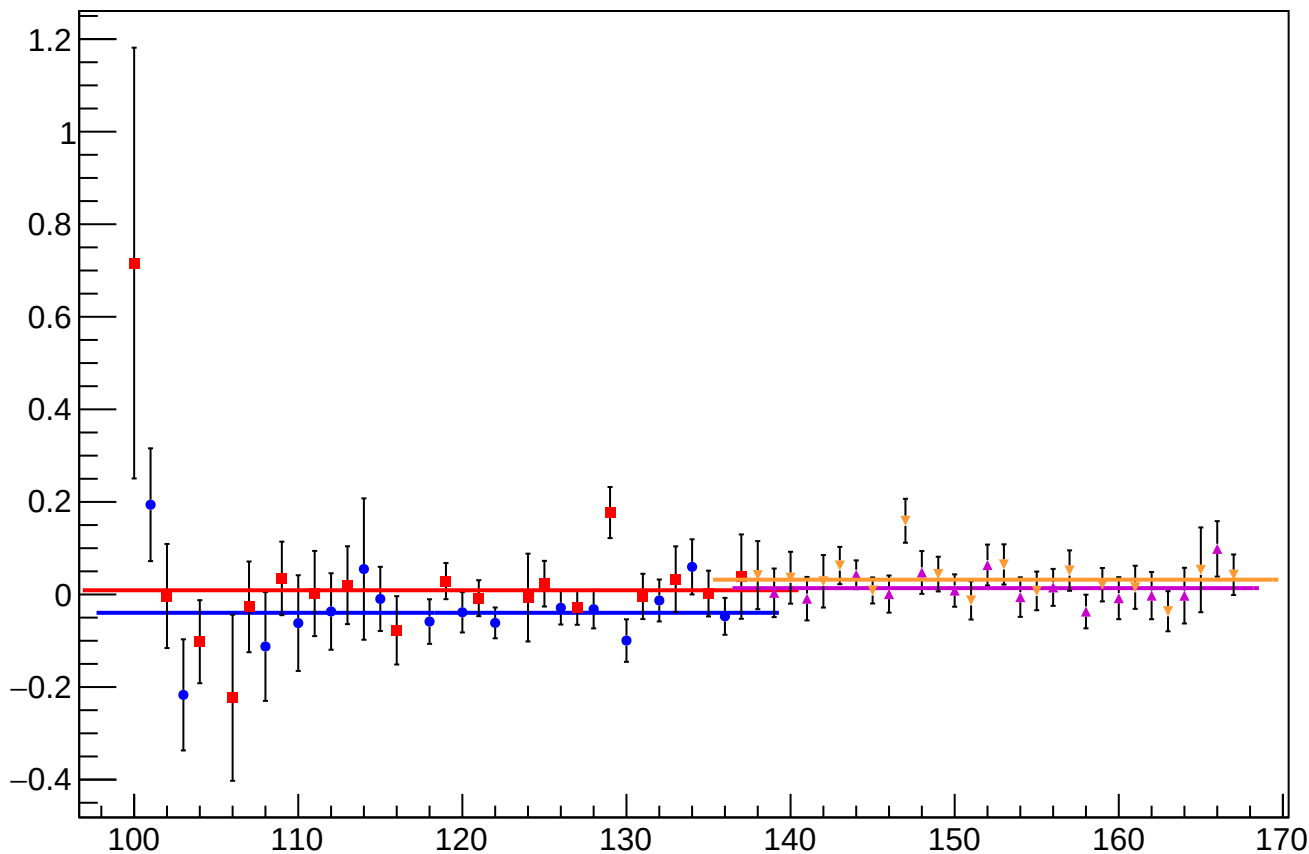
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 2956082.3/13

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 8086411.0/31

All: 0.001 $\pm$ 0.000 χ^2/NDF : 16687083.3/64

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 8600026.8/32

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: 0.032 ± 0.011 χ^2/NDF : 13.7/15

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

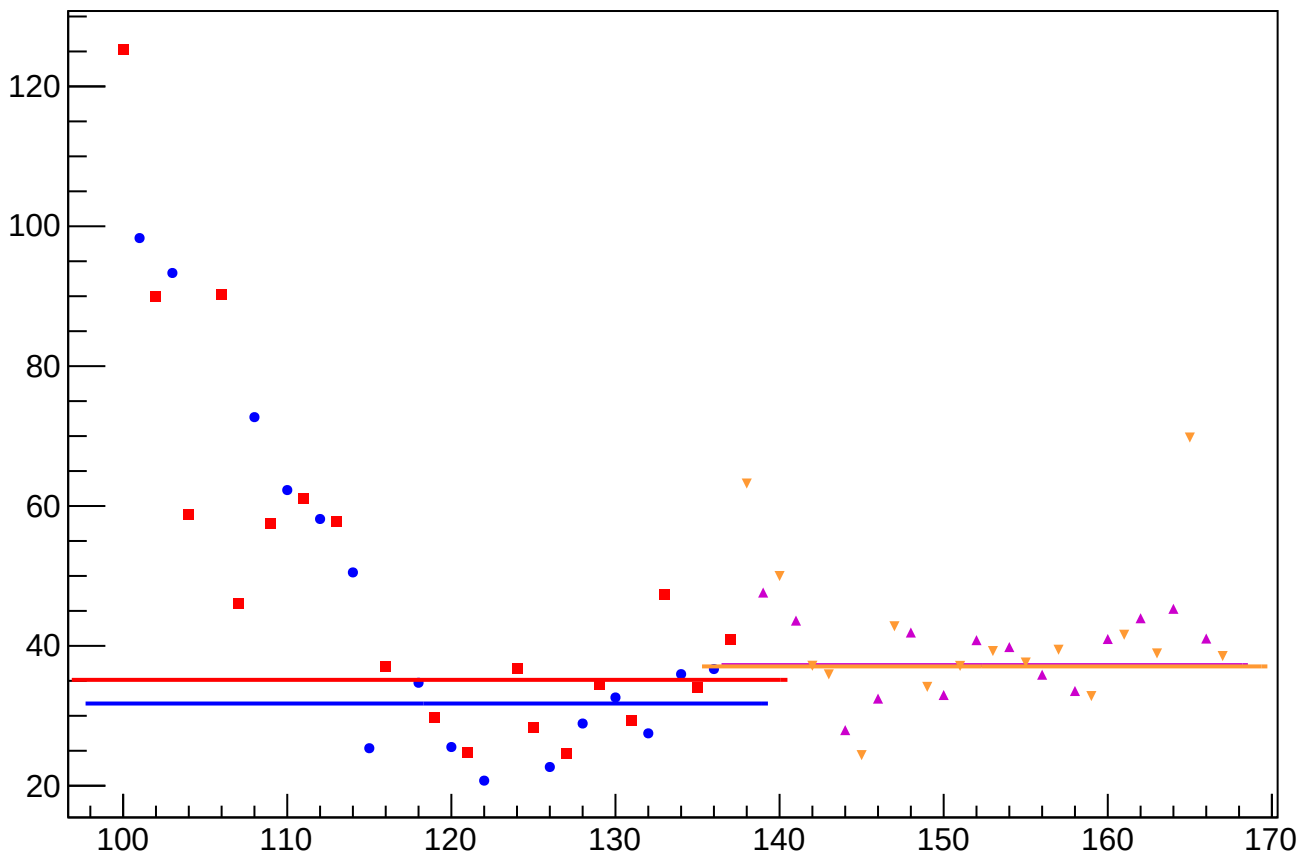
Left In: 0.014 ± 0.011 χ^2/NDF : 7.6/13

+ sign 0.003 ± 0.008 χ^2/NDF : 43.7/31

All: 0.007 ± 0.006 χ^2/NDF : 70.2/64

- sign 0.012 ± 0.009 χ^2/NDF : 26.0/32

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: 37.062+/-0.008 χ^2/NDF : 1127267.6/15

Right Out: 35.140+/-0.010 χ^2/NDF : 1844572.3/18

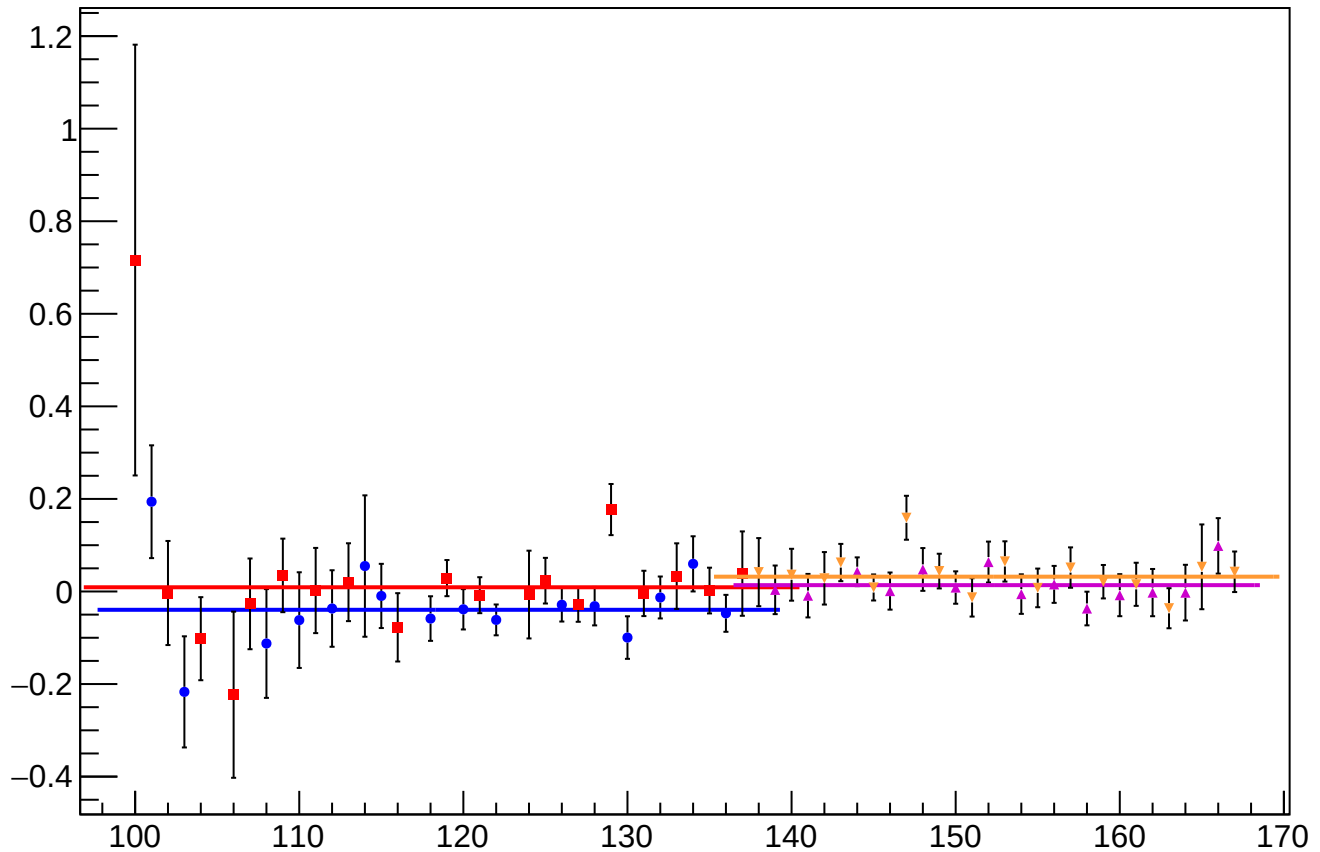
Left In: 37.248+/-0.008 χ^2/NDF : 507689.7/13

+ sign 34.910+/-0.006 χ^2/NDF : 3572858.4/31

All: 35.617+/-0.004 χ^2/NDF : 5982188.5/64

- sign 36.415+/-0.006 χ^2/NDF : 2379047.4/32

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 0.032 ± 0.011 $\chi^2/\text{NDF}: 13.7/15$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 18.3/18$

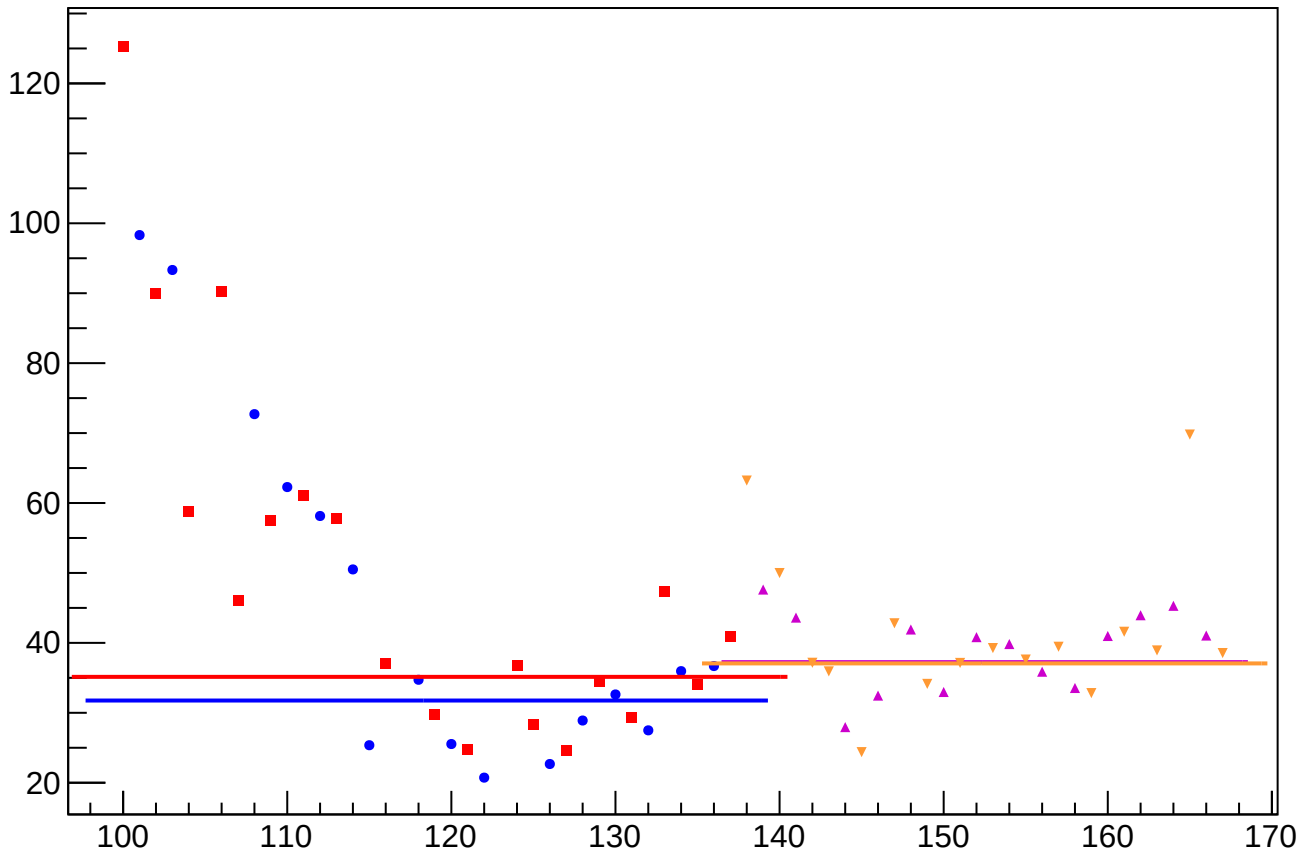
Left In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 7.6/13$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 43.7/31$

All: 0.007 ± 0.006 $\chi^2/\text{NDF}: 70.2/64$

- sign 0.012 ± 0.009 $\chi^2/\text{NDF}: 26.0/32$

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: 37.062 $\pm$ 0.008 χ^2 /NDF: 1127267.6/15

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844572.3/18

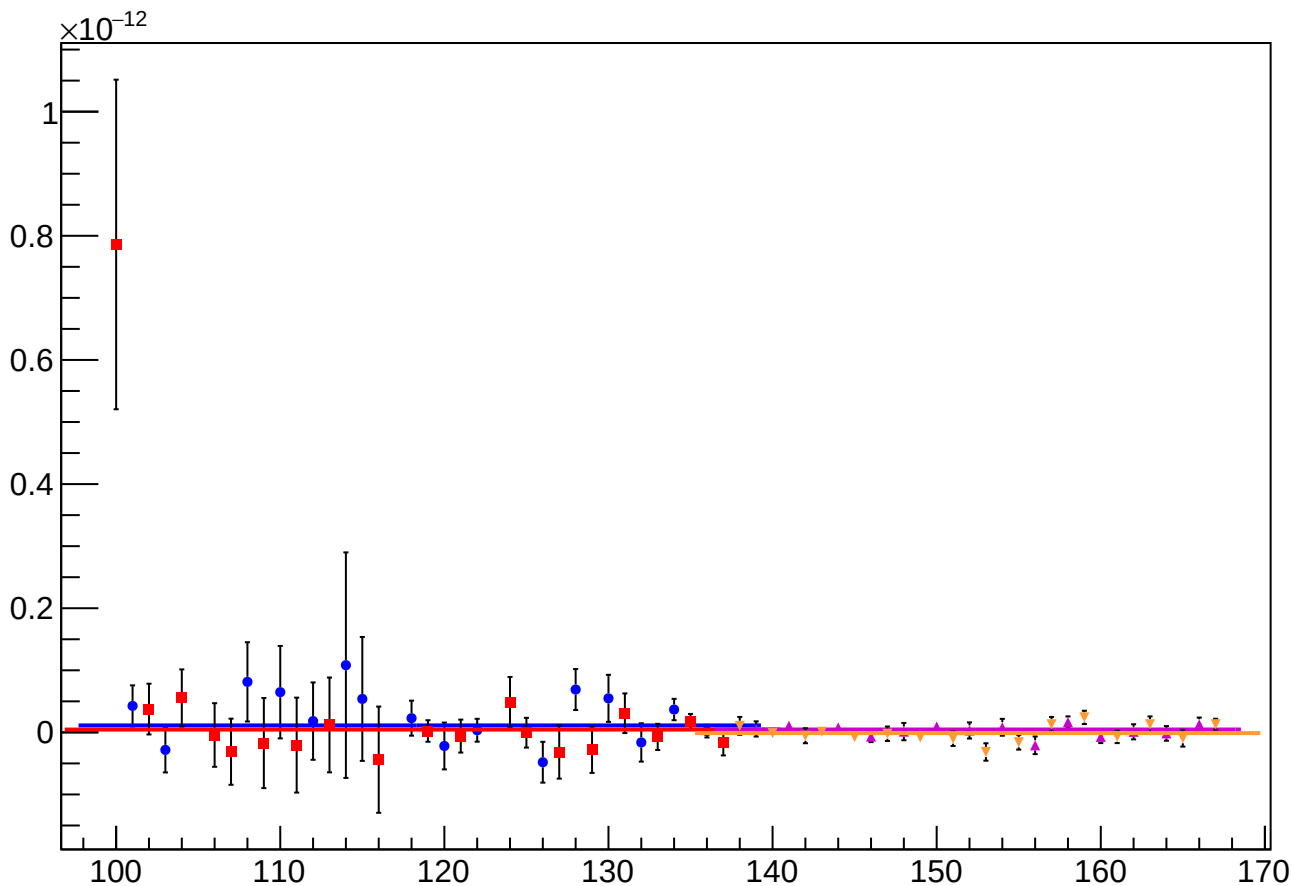
Left In: 37.248 $\pm$ 0.008 χ^2 /NDF: 507689.7/13

+ sign 34.910 $\pm$ 0.006 χ^2 /NDF: 3572858.4/31

All: 35.617 $\pm$ 0.004 χ^2 /NDF: 5982188.5/64

- sign 36.415 $\pm$ 0.006 χ^2 /NDF: 2379047.4/32

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:20.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/18

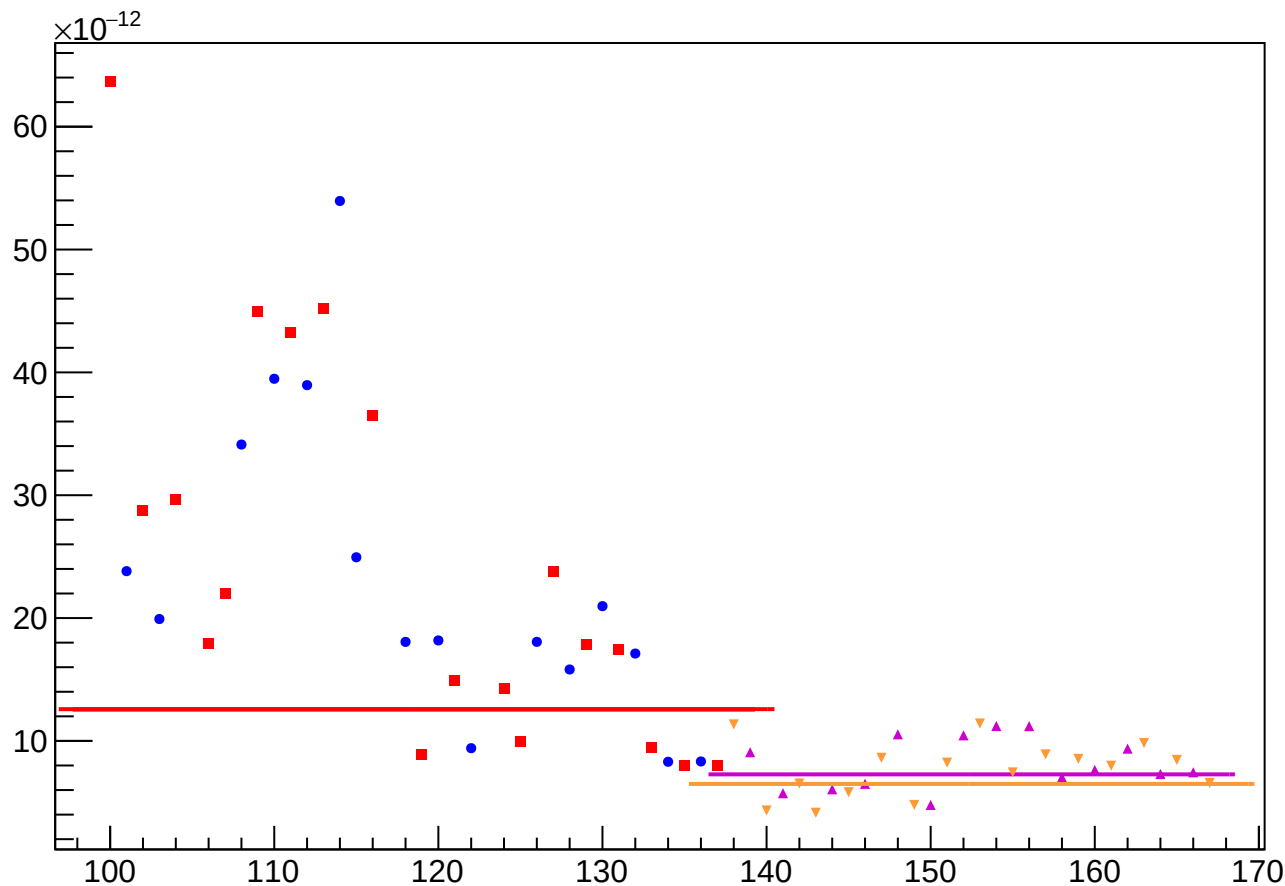
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 70.2/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.7/32

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1642742.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2747891.7/18

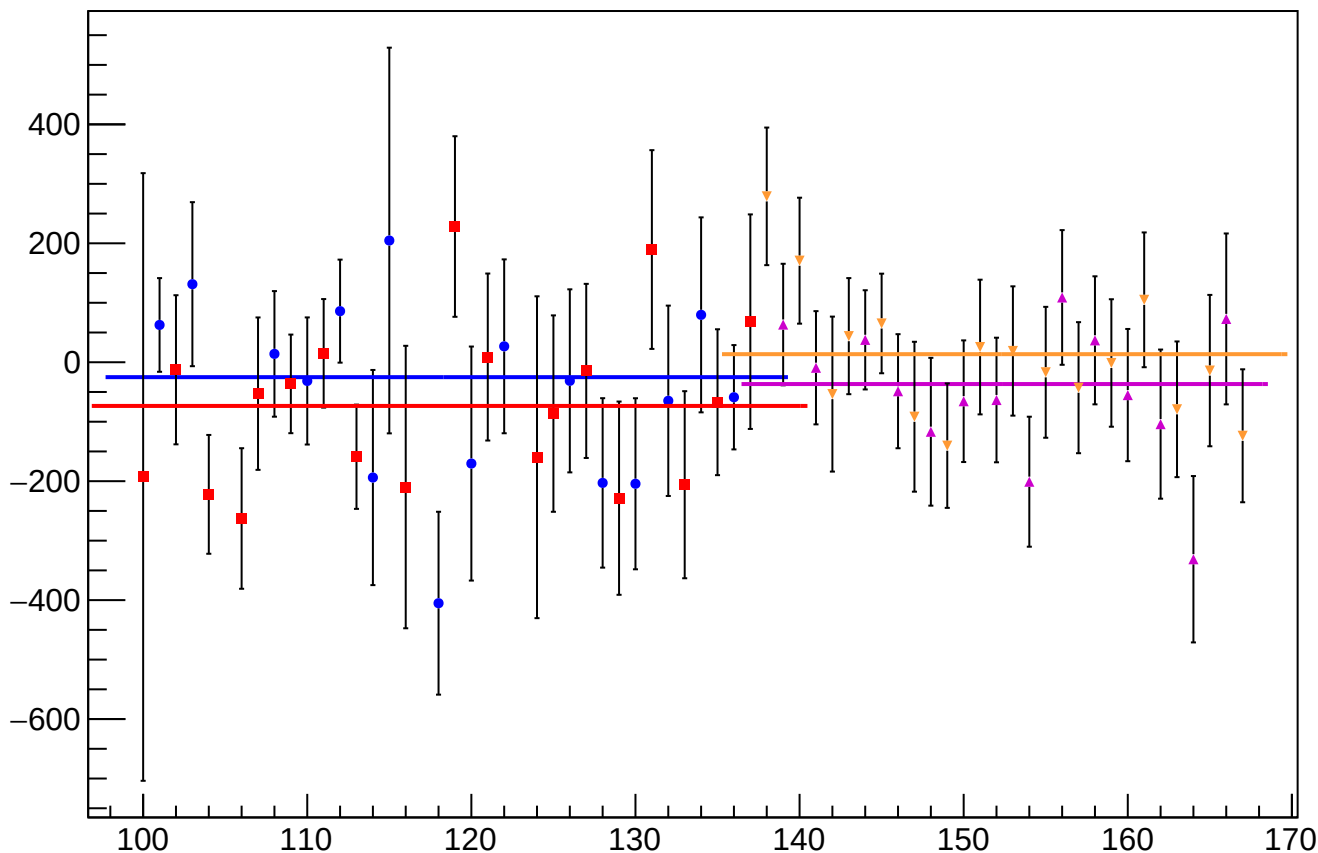
Left In: 0.000+/-0.000 χ^2/NDF : 1039725.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 5366778.2/31

All: 0.000+/-0.000 χ^2/NDF : 10365675.9/64

- sign 0.000+/-0.000 χ^2/NDF : 4884052.6/32

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 13.580 ± 27.362 χ^2/NDF : 14.3/15

Right Out: -73.458 ± 29.935 χ^2/NDF : 16.8/18

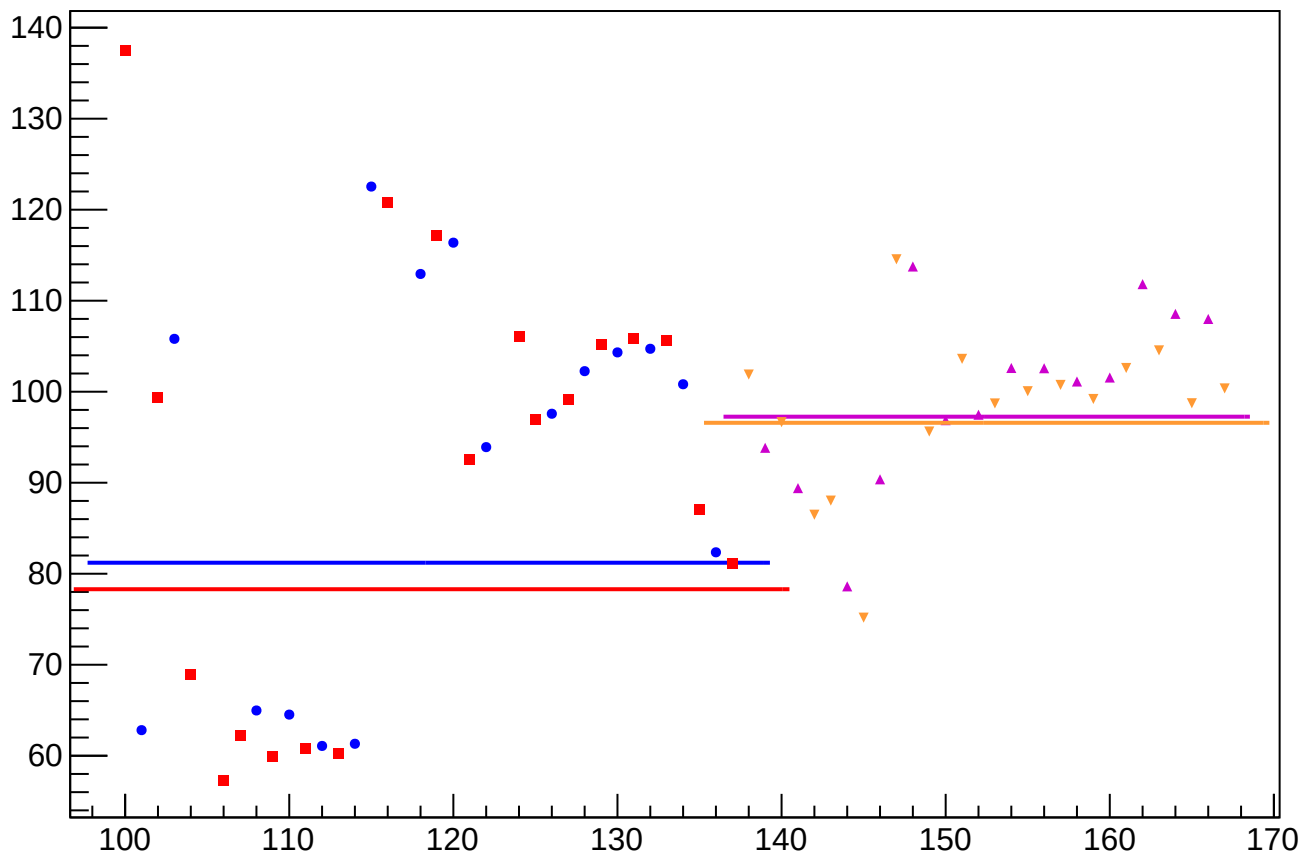
Left In: -36.660 ± 28.844 χ^2/NDF : 12.1/13

+ sign -3.206 ± 20.580 χ^2/NDF : 31.4/31

All: -28.556 ± 14.619 χ^2/NDF : 64.1/64

- sign -54.376 ± 20.771 χ^2/NDF : 29.7/32

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787676.9/15

Left Out: 96.585 $\pm$ 0.019 χ^2 /NDF: 235859.3/15

Right Out: 78.298 $\pm$ 0.021 χ^2 /NDF: 934673.9/18

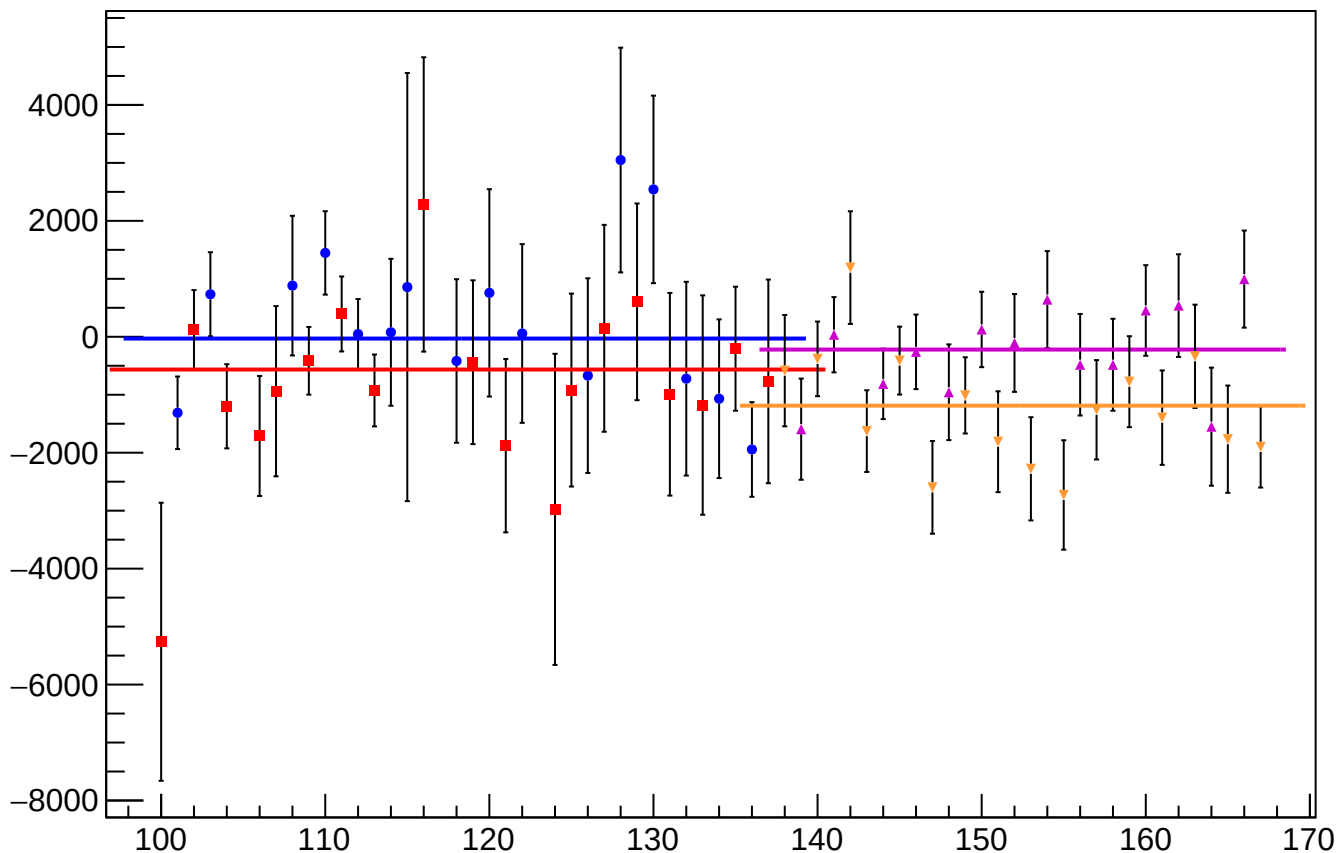
Left In: 97.256 $\pm$ 0.020 χ^2 /NDF: 227338.4/13

+ sign 89.908 $\pm$ 0.015 χ^2 /NDF: 1297772.6/31

All: 89.026 $\pm$ 0.010 χ^2 /NDF: 2883154.7/64

- sign 88.129 $\pm$ 0.015 χ^2 /NDF: 1577980.0/32

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407 ± 256.999 χ^2/NDF : 21.9/15

Left Out: -1188.123 ± 196.043 χ^2/NDF : 20.7/15

Right Out: -564.890 ± 238.492 χ^2/NDF : 13.3/18

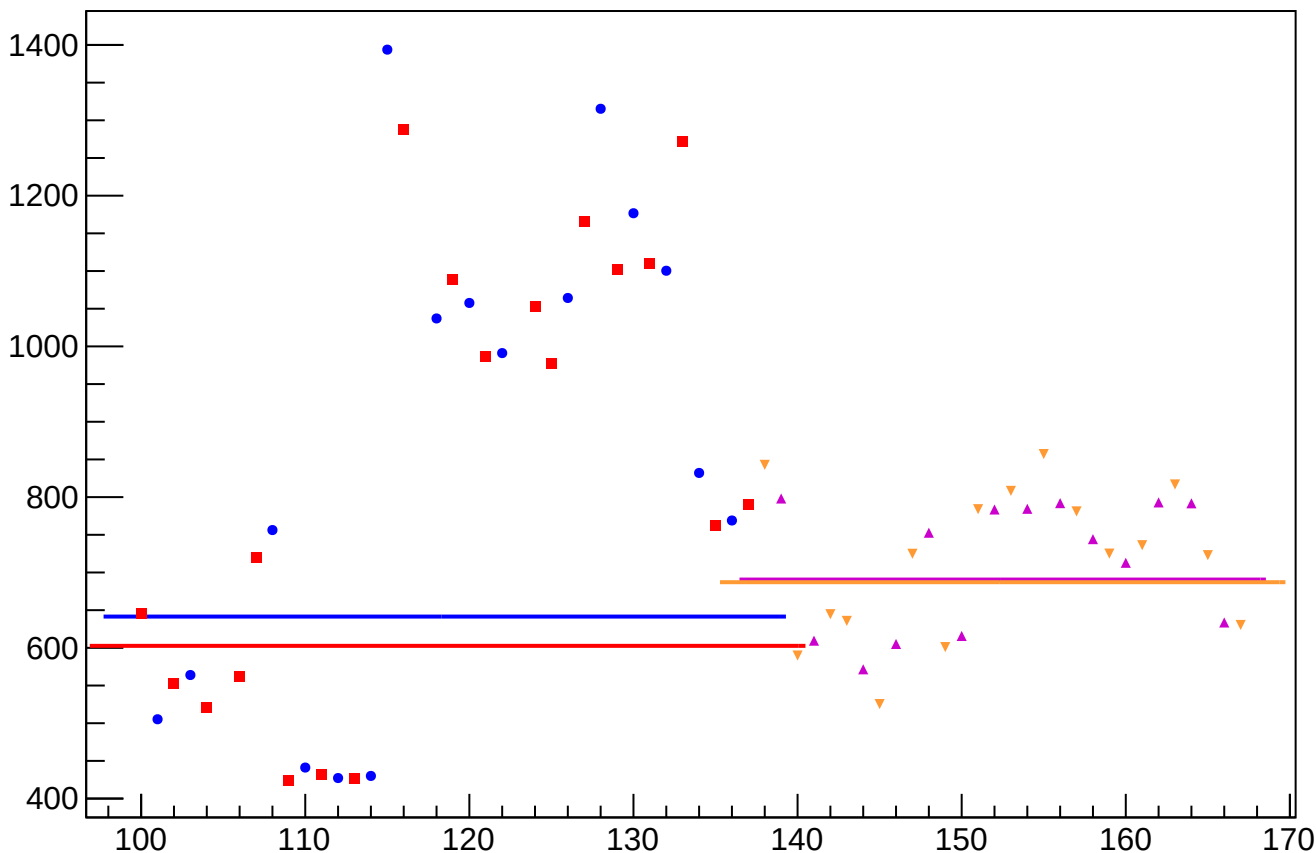
Left In: -220.514 ± 205.566 χ^2/NDF : 11.2/13

+ sign -762.263 ± 155.870 χ^2/NDF : 55.4/31

All: -564.579 ± 110.160 χ^2/NDF : 84.3/64

- sign -367.307 ± 155.708 χ^2/NDF : 25.7/32

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499 $\pm$ 0.182 χ^2/NDF : 1874990.8/15

Left Out: 687.110 $\pm$ 0.139 χ^2/NDF : 525162.6/15

Right Out: 602.654 $\pm$ 0.169 χ^2/NDF : 2070307.7/18

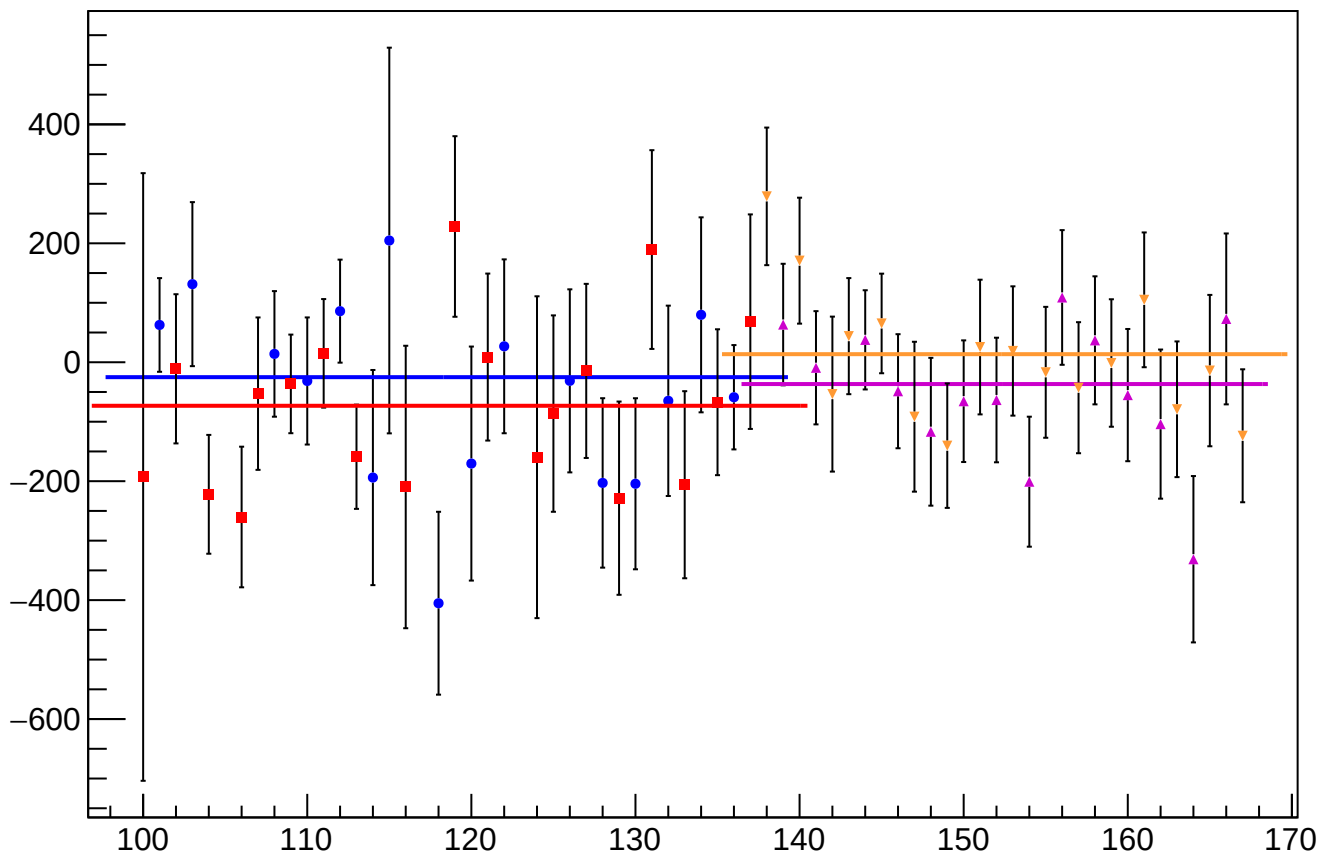
Left In: 690.617 $\pm$ 0.145 χ^2/NDF : 354167.6/13

+ sign 670.332 $\pm$ 0.110 χ^2/NDF : 2439977.2/31

All: 661.718 $\pm$ 0.078 χ^2/NDF : 5032756.8/64

- sign 653.122 $\pm$ 0.110 χ^2/NDF : 2580575.6/32

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075±/31.230 χ^2/NDF : 16.2/15

Left Out: 13.583±/27.362 χ^2/NDF :14.3/15

Right Out: -73.193±/29.937 χ^2/NDF : 16.7/18

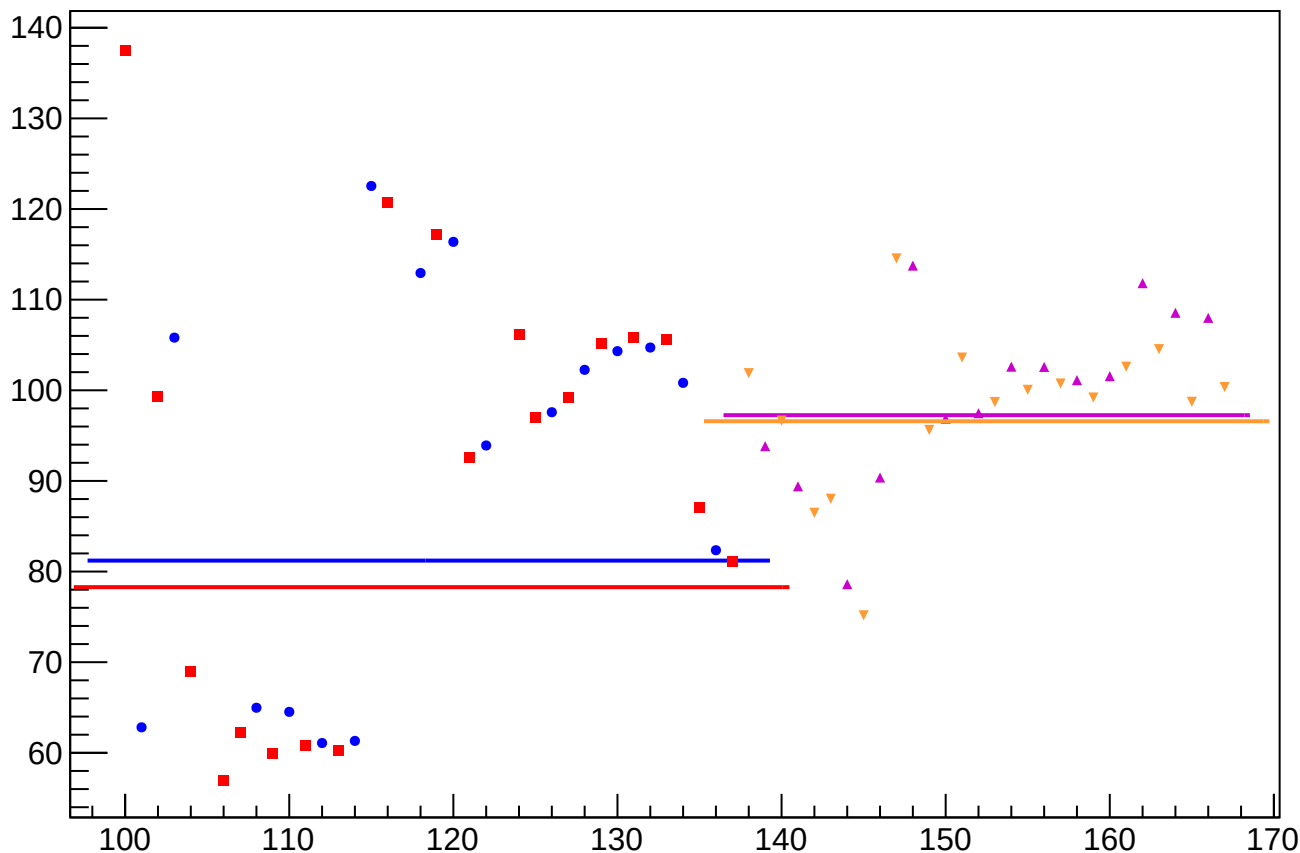
Left In: -36.659±/28.844 χ^2/NDF :12.1/13

+ sign -3.205±/20.580 χ^2/NDF : 31.4/31

All: -28.490±/14.619 χ^2/NDF : 64.0/64

- sign -54.247±/20.771 χ^2/NDF : 29.6/32

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2/NDF : 787679.3/15

Left Out: 96.585 $\pm$ 0.019 χ^2/NDF : 235859.3/15

Right Out: 78.279 $\pm$ 0.021 χ^2/NDF : 936812.2/18

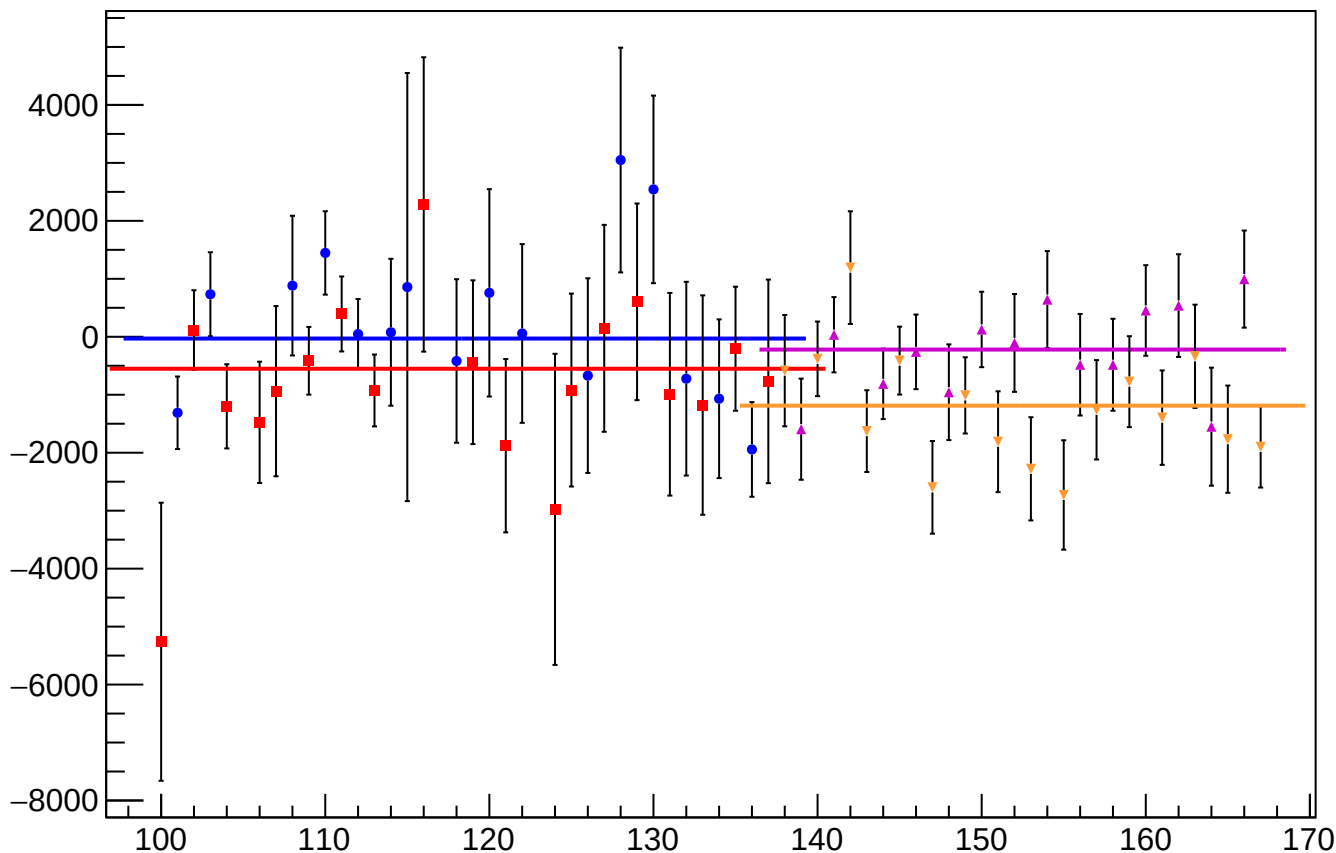
Left In: 97.256 $\pm$ 0.020 χ^2/NDF : 227338.5/13

+ sign 89.908 $\pm$ 0.015 χ^2/NDF : 1297774.2/31

All: 89.022 $\pm$ 0.010 χ^2/NDF : 2886156.7/64

- sign 88.120 $\pm$ 0.015 χ^2/NDF : 1580910.4/32

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434 $\pm$ 257.002 χ^2/NDF : 21.9/15

Left Out: -1188.116 $\pm$ 196.043 χ^2/NDF : 20.7/15

Right Out: -551.948 $\pm$ 238.640 χ^2/NDF : 12.8/18

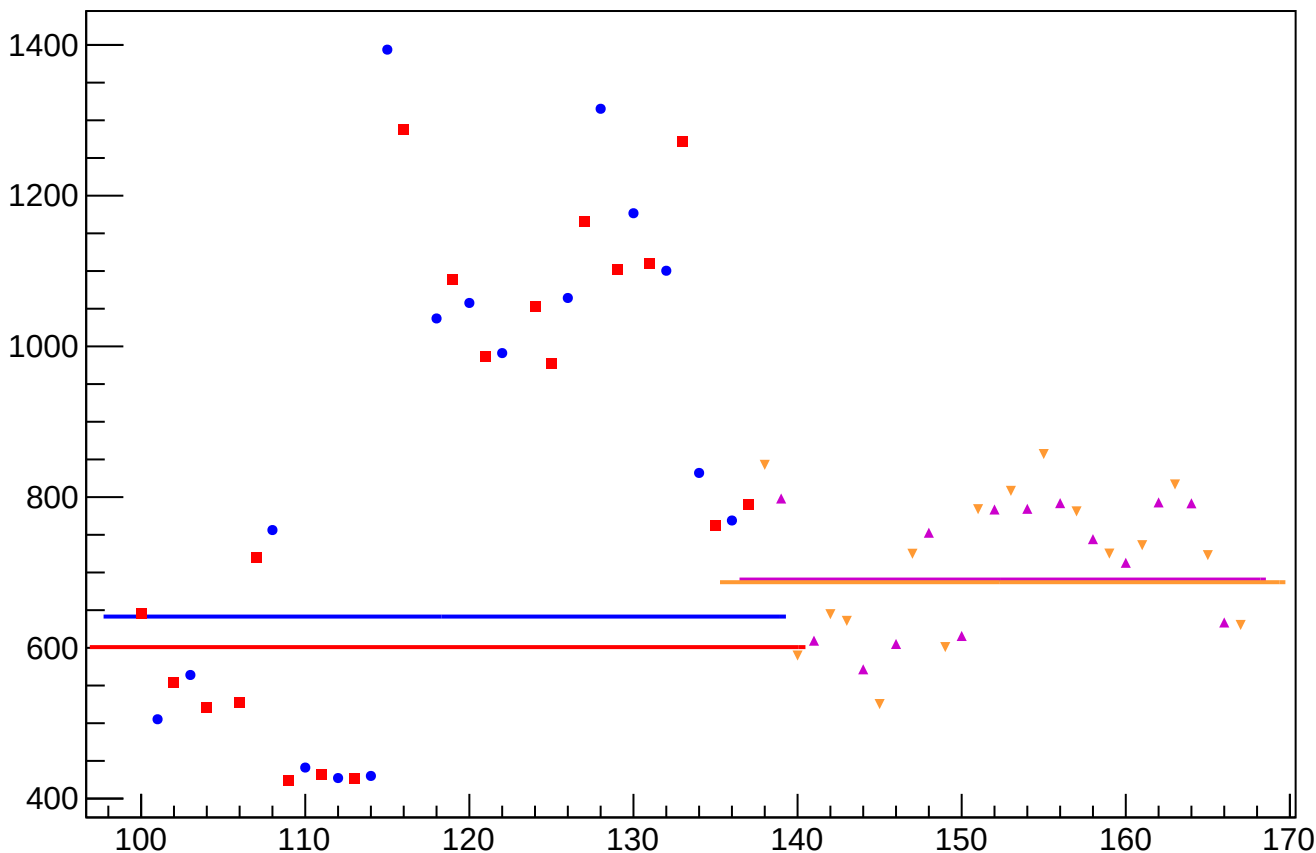
Left In: -220.518 $\pm$ 205.566 χ^2/NDF : 11.2/13

+ sign -762.276 $\pm$ 155.871 χ^2/NDF : 55.4/31

All: -561.827 $\pm$ 110.174 χ^2/NDF : 83.8/64

- sign -361.692 $\pm$ 155.749 χ^2/NDF : 25.2/32

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507 $\pm$ 0.182 χ^2 /NDF: 1874950.0/15

Left Out: 687.110 $\pm$ 0.139 χ^2 /NDF: 525164.0/15

Right Out: 600.975 $\pm$ 0.169 χ^2 /NDF: 2077232.5/18

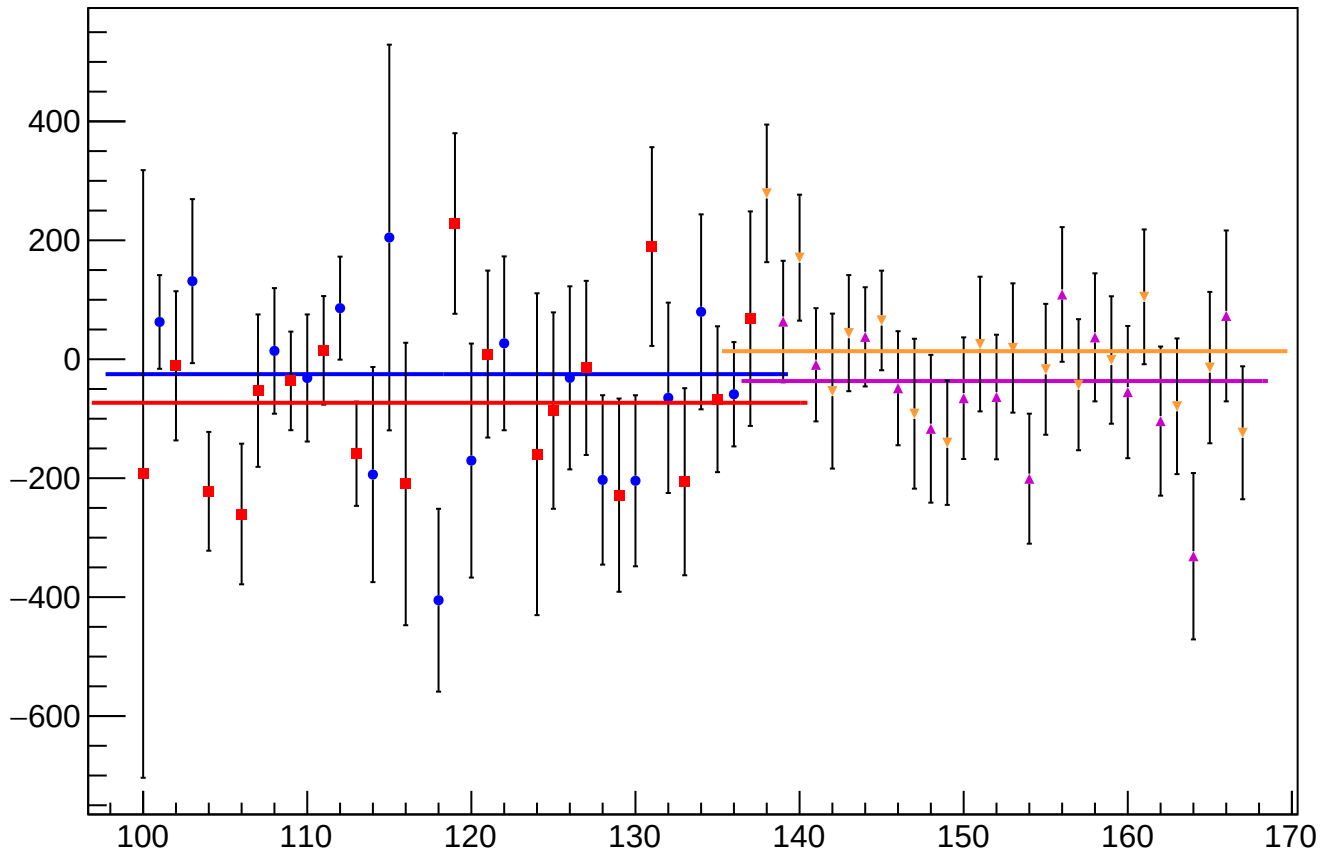
Left In: 690.617 $\pm$ 0.145 χ^2 /NDF: 354166.2/13

+ sign 670.336 $\pm$ 0.110 χ^2 /NDF: 2439921.4/31

All: 661.378 $\pm$ 0.078 χ^2 /NDF: 5046519.6/64

- sign 652.434 $\pm$ 0.110 χ^2 /NDF: 2593397.3/32

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 $\pm$ 31.230 χ^2/NDF : 16.2/15

Left Out: 13.583 $\pm$ 27.362 χ^2/NDF : 14.3/15

Right Out: -73.193 $\pm$ 29.937 χ^2/NDF : 16.7/18

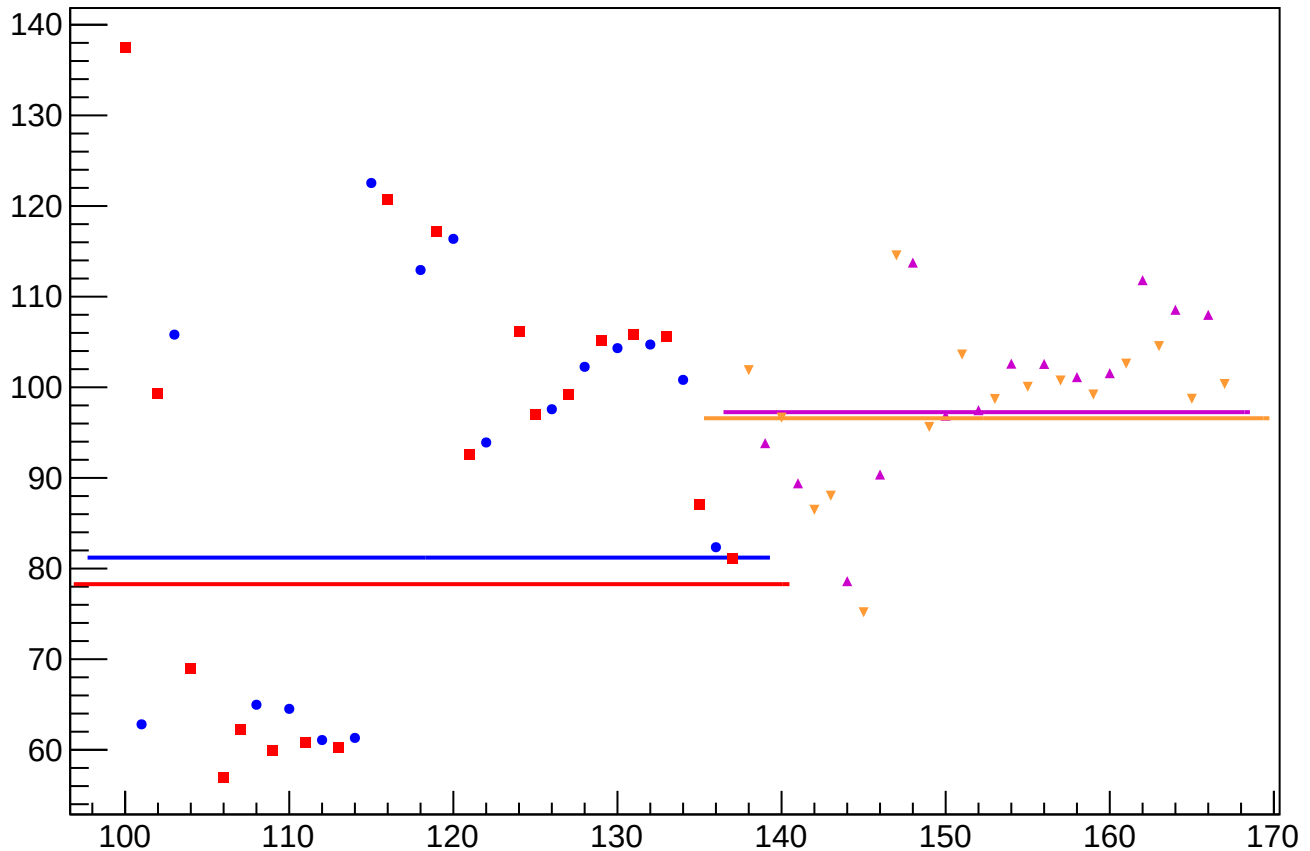
Left In: -36.659 $\pm$ 28.844 χ^2/NDF : 12.1/13

+ sign -3.205 $\pm$ 20.580 χ^2/NDF : 31.4/31

All: -28.490 $\pm$ 14.619 χ^2/NDF : 64.0/64

- sign -54.247 $\pm$ 20.771 χ^2/NDF : 29.6/32

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 ± 0.022 χ^2/NDF : 787679.3/15

Left Out: 96.585 ± 0.019 χ^2/NDF : 235859.3/15

Right Out: 78.279 ± 0.021 χ^2/NDF : 936812.2/18

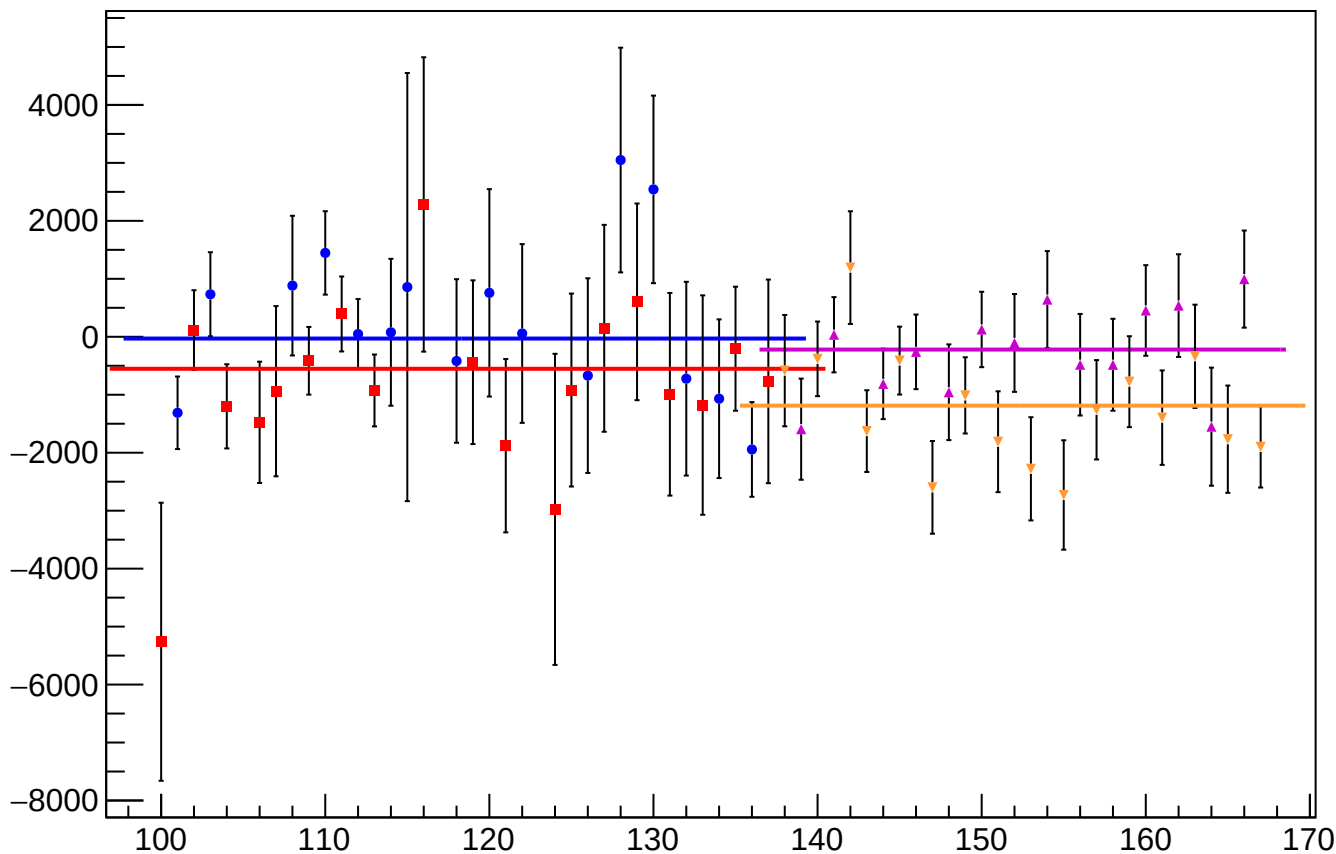
Left In: 97.256 ± 0.020 χ^2/NDF : 227338.5/13

+ sign 89.908 ± 0.015 χ^2/NDF : 1297774.2/31

All: 89.022 ± 0.010 χ^2/NDF : 2886156.7/64

- sign 88.120 ± 0.015 χ^2/NDF : 1580910.4/32

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -30.434 ± 257.002 χ^2/NDF : 21.9/15

Left Out: -1188.116 ± 196.043 χ^2/NDF : 20.7/15

Right Out: -551.948 ± 238.640 χ^2/NDF : 12.8/18

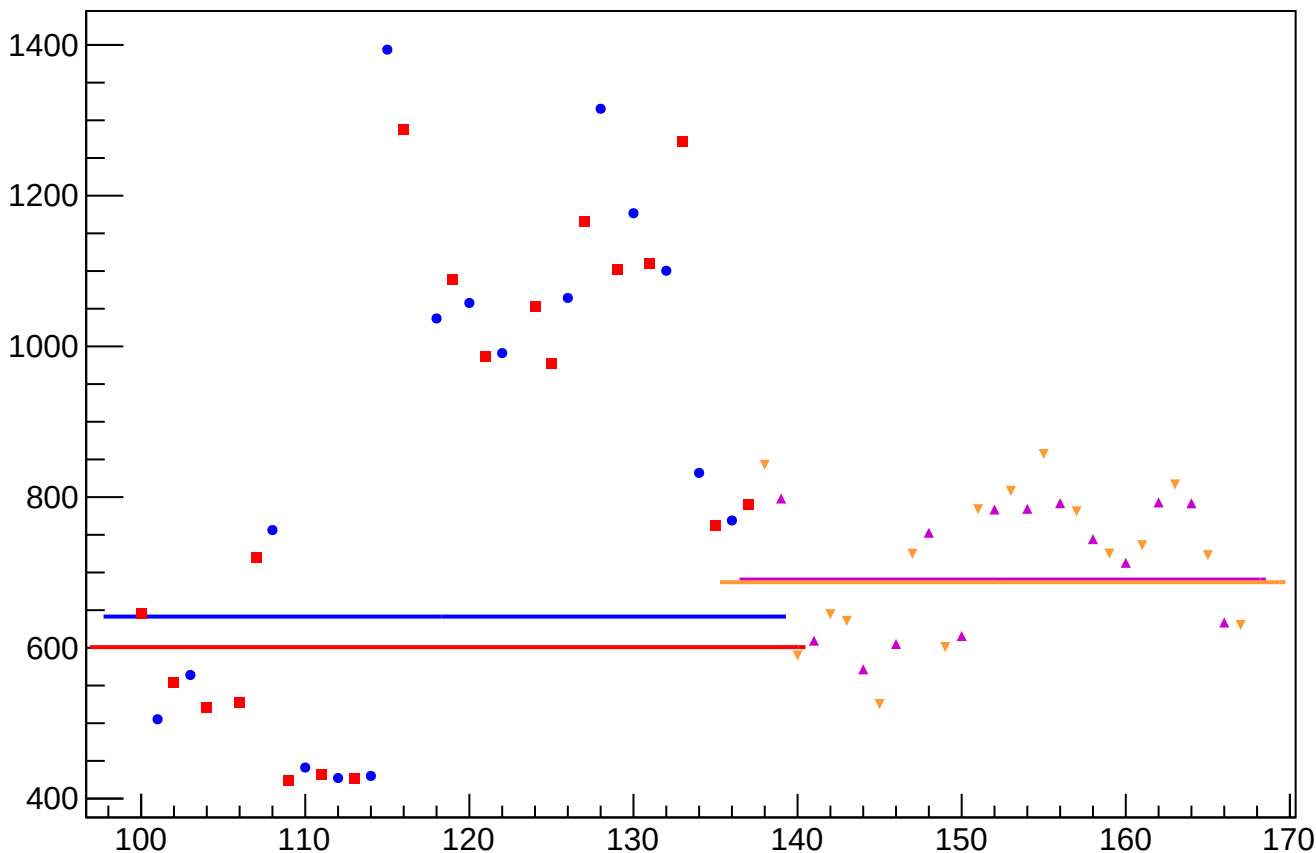
Left In: -220.518 ± 205.566 χ^2/NDF : 11.2/13

+ sign -762.276 ± 155.871 χ^2/NDF : 55.4/31

All: -561.827 ± 110.174 χ^2/NDF : 83.8/64

- sign -361.692 ± 155.749 χ^2/NDF : 25.2/32

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 641.507 $\pm$ 0.182 χ^2 /NDF: 1874950.0/15

Left Out: 687.110 $\pm$ 0.139 χ^2 /NDF: 525164.0/15

Right Out: 600.975 $\pm$ 0.169 χ^2 /NDF: 2077232.5/18

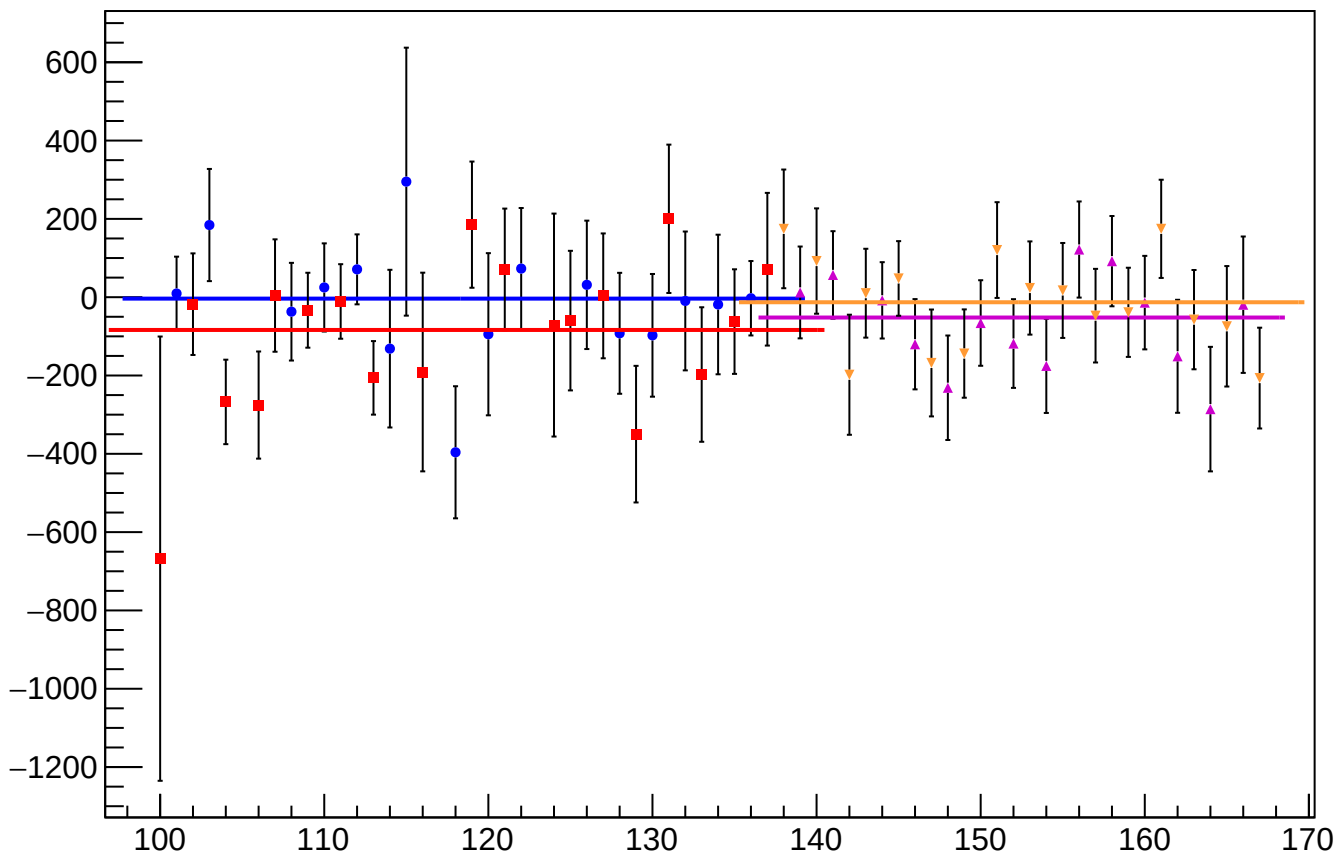
Left In: 690.617 $\pm$ 0.145 χ^2 /NDF: 354166.2/13

+ sign 670.336 $\pm$ 0.110 χ^2 /NDF: 2439921.4/31

All: 661.378 $\pm$ 0.078 χ^2 /NDF: 5046519.6/64

- sign 652.434 $\pm$ 0.110 χ^2 /NDF: 2593397.3/32

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635 ± 34.152 χ^2/NDF : 10.3/15

Left Out: -12.923 ± 30.974 χ^2/NDF : 12.9/15

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

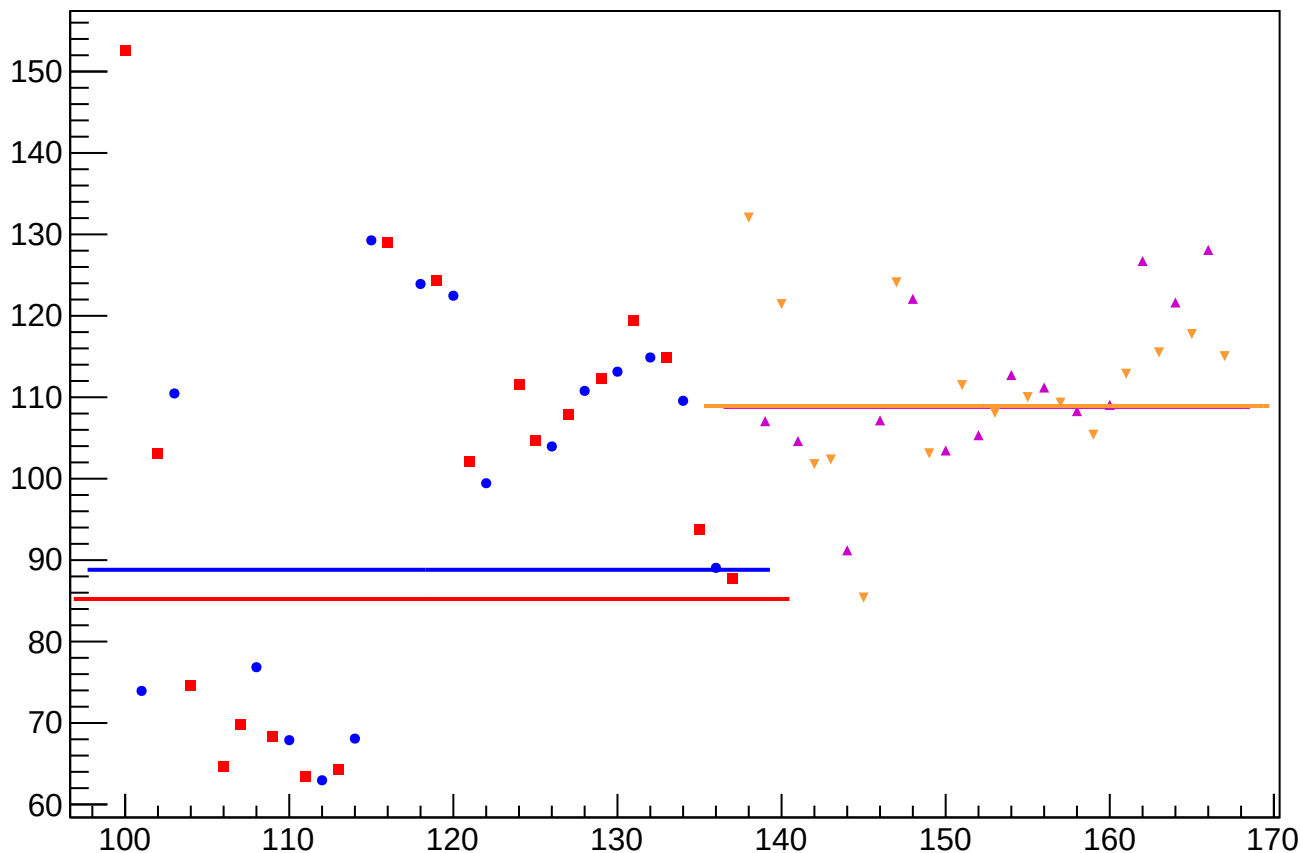
Left In: -51.936 ± 32.396 χ^2/NDF : 11.4/13

+ sign -8.731 ± 22.943 χ^2/NDF : 23.3/31

All: -38.150 ± 16.240 χ^2/NDF : 57.5/64

- sign -67.691 ± 22.991 χ^2/NDF : 30.9/32

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF : 724609.8/15

Left Out: 108.925+/-0.022 χ^2/NDF : 248555.8/15

Right Out: 85.225+/-0.023 χ^2/NDF : 884071.4/18

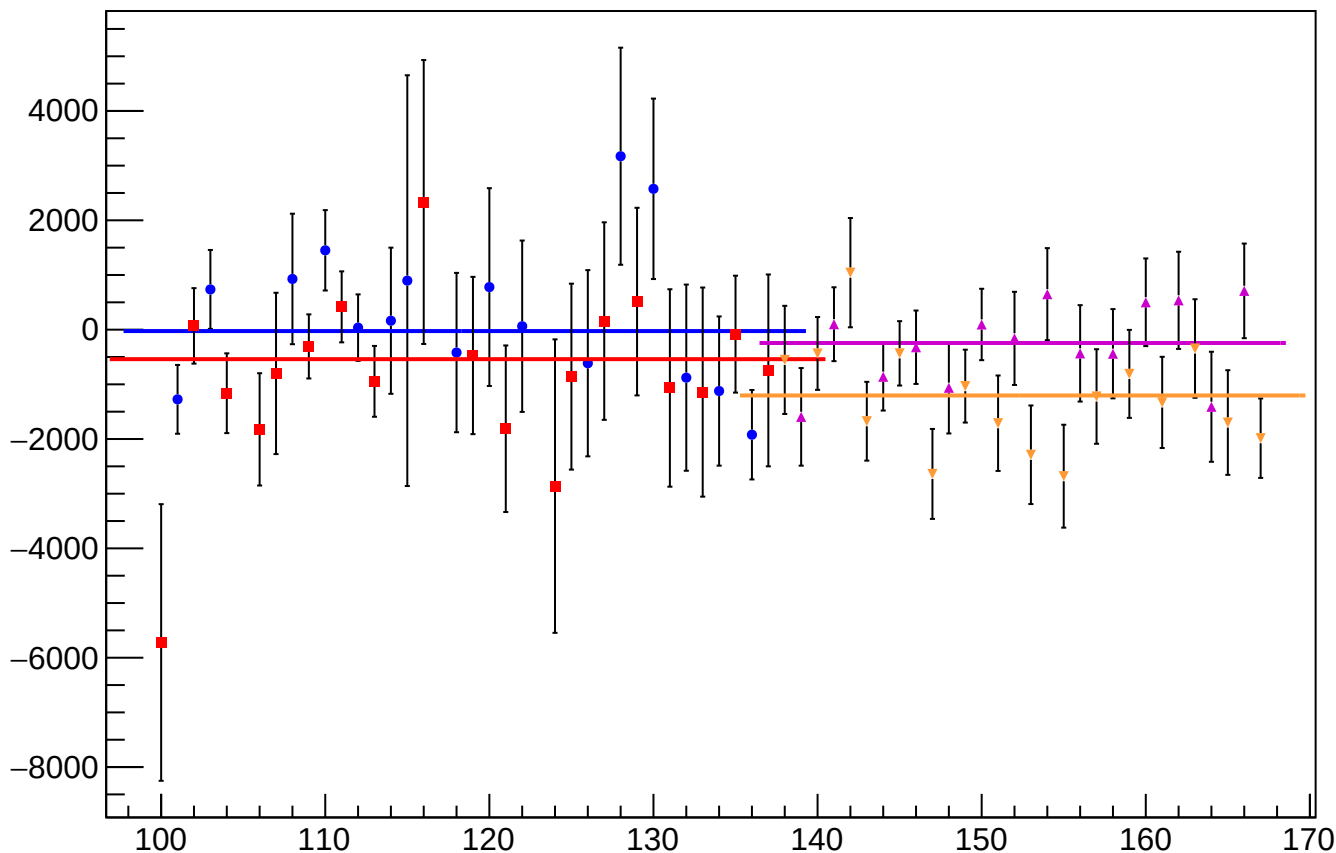
Left In: 108.815+/-0.023 χ^2/NDF : 166637.4/13

+ sign 99.848+/-0.016 χ^2/NDF : 1353701.5/31

All: 98.480+/-0.011 χ^2/NDF : 2945047.7/64

- sign 97.105+/-0.016 χ^2/NDF : 1577083.3/32

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770 $\pm$ 259.401 χ^2/NDF : 21.6/15

Left Out: -1203.618 $\pm$ 199.890 χ^2/NDF : 18.9/15

Right Out: -539.635 $\pm$ 241.238 χ^2/NDF : 13.6/18

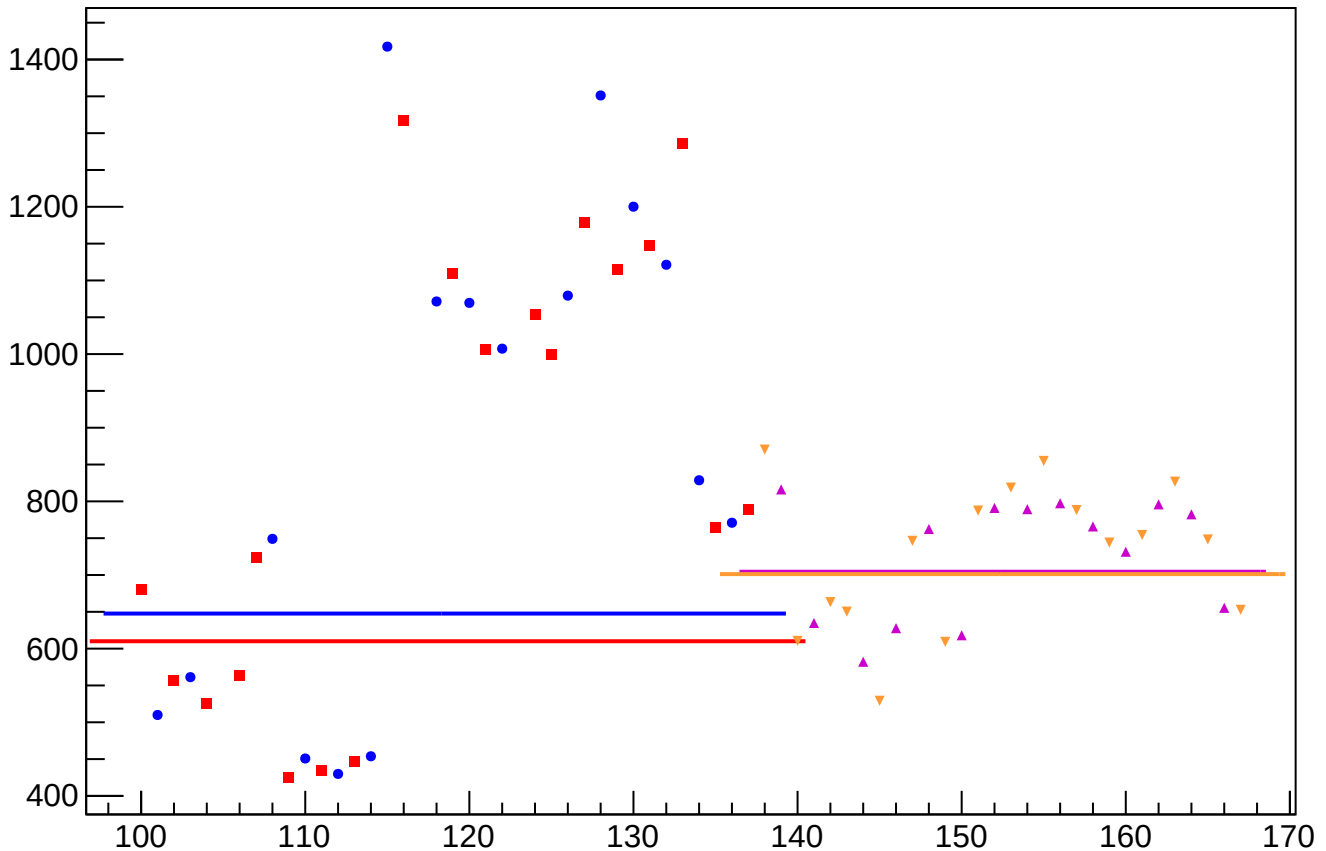
Left In: -243.724 $\pm$ 209.523 χ^2/NDF : 10.2/13

+ sign -764.790 $\pm$ 158.334 χ^2/NDF : 53.4/31

All: -567.694 $\pm$ 111.908 χ^2/NDF : 81.2/64

- sign -370.962 $\pm$ 158.188 χ^2/NDF : 24.7/32

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641 $\pm$ 0.183 χ^2 /NDF: 1887815.9/15

Left Out: 701.202 $\pm$ 0.141 χ^2 /NDF: 516771.8/15

Right Out: 610.061 $\pm$ 0.171 χ^2 /NDF: 2074248.2/18

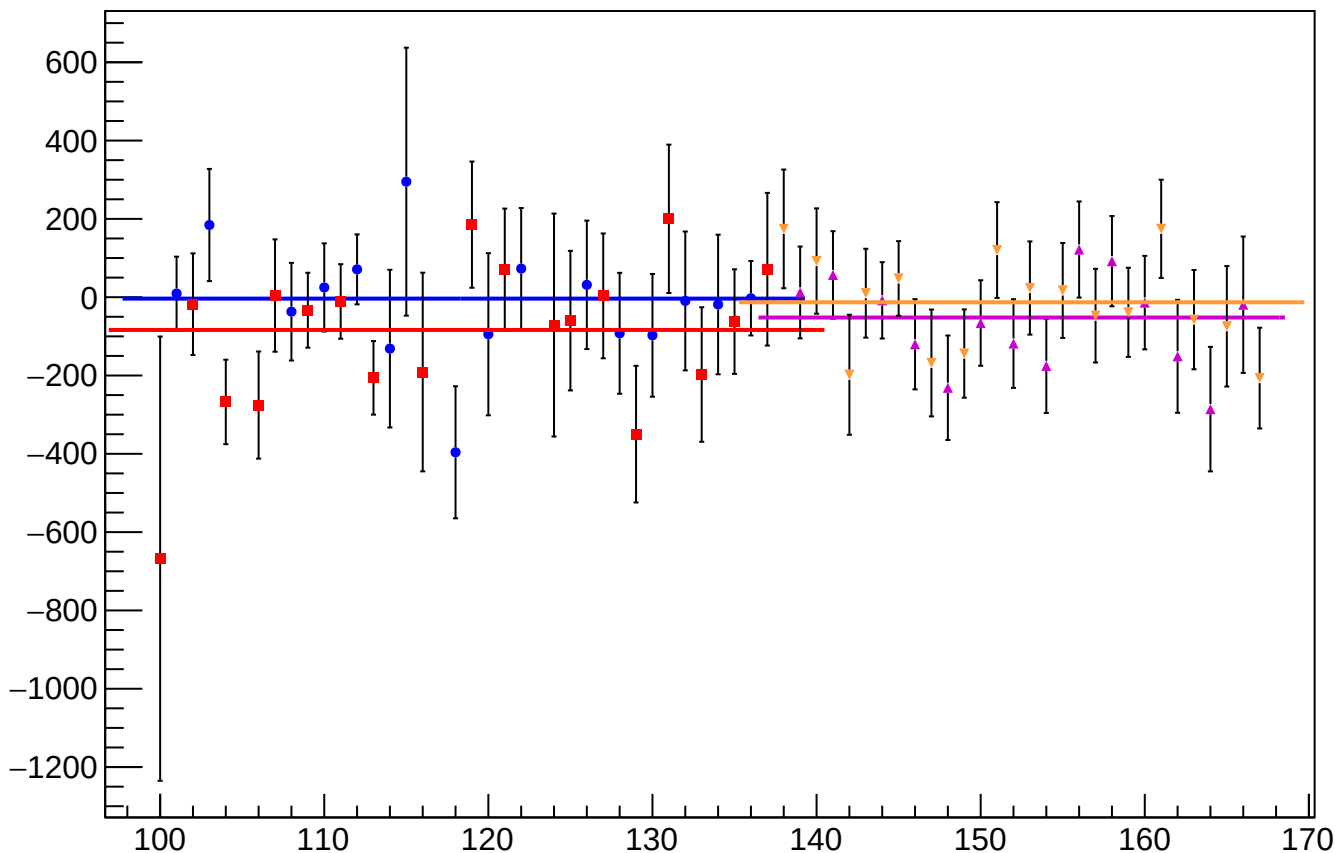
Left In: 704.424 $\pm$ 0.148 χ^2 /NDF: 317987.8/13

+ sign 681.247 $\pm$ 0.112 χ^2 /NDF: 2458087.6/31

All: 672.540 $\pm$ 0.079 χ^2 /NDF: 5036840.5/64

- sign 663.849 $\pm$ 0.112 χ^2 /NDF: 2566668.0/32

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633 ± 34.152 χ^2/NDF : 10.3/15

Left Out: -12.921 ± 30.974 χ^2/NDF : 12.9/15

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

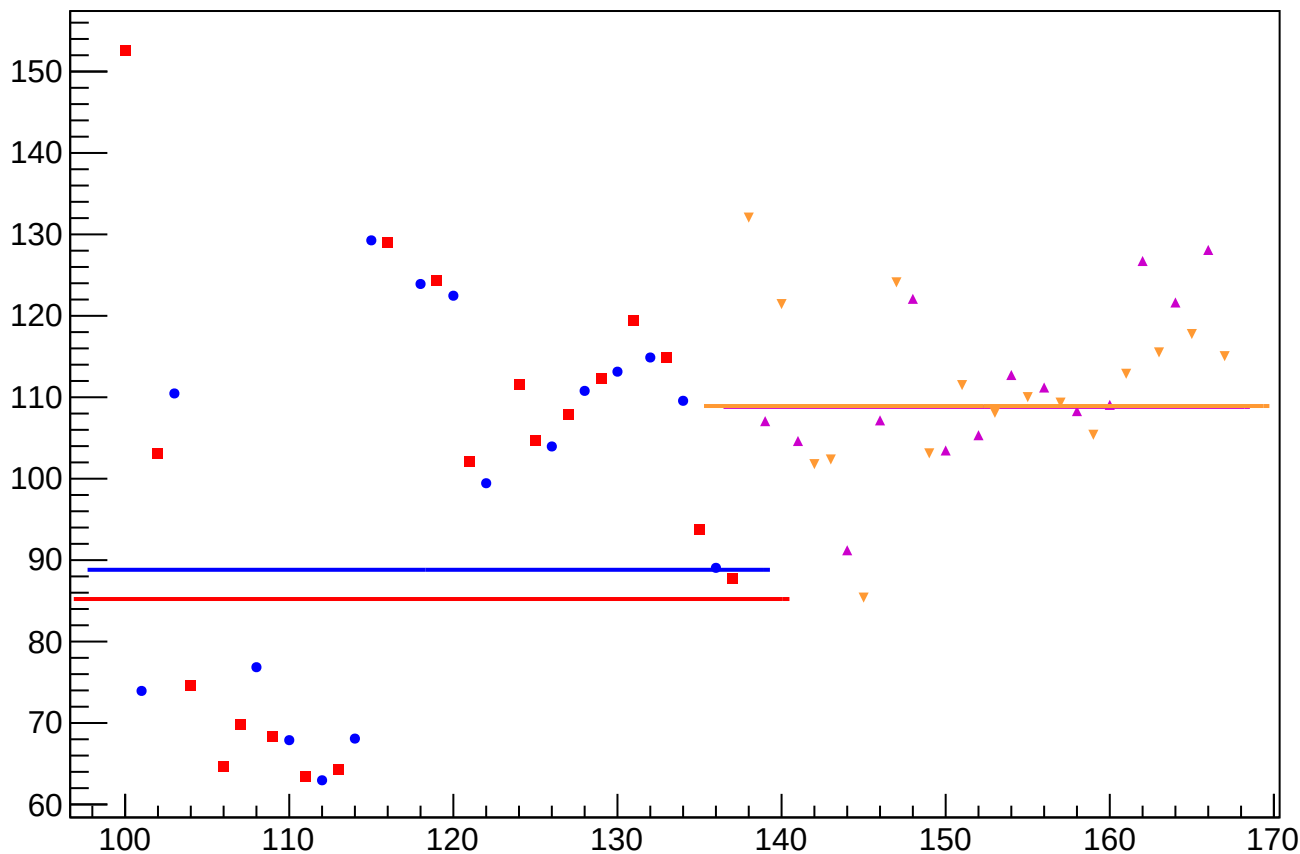
Left In: -51.937 ± 32.396 χ^2/NDF : 11.4/13

+ sign -8.730 ± 22.943 χ^2/NDF : 23.3/31

All: -38.150 ± 16.240 χ^2/NDF : 57.5/64

- sign -67.691 ± 22.991 χ^2/NDF : 30.9/32

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF : 724609.7/15

Left Out: 108.925+/-0.022 χ^2/NDF : 248553.7/15

Right Out: 85.225+/-0.023 χ^2/NDF : 884073.3/18

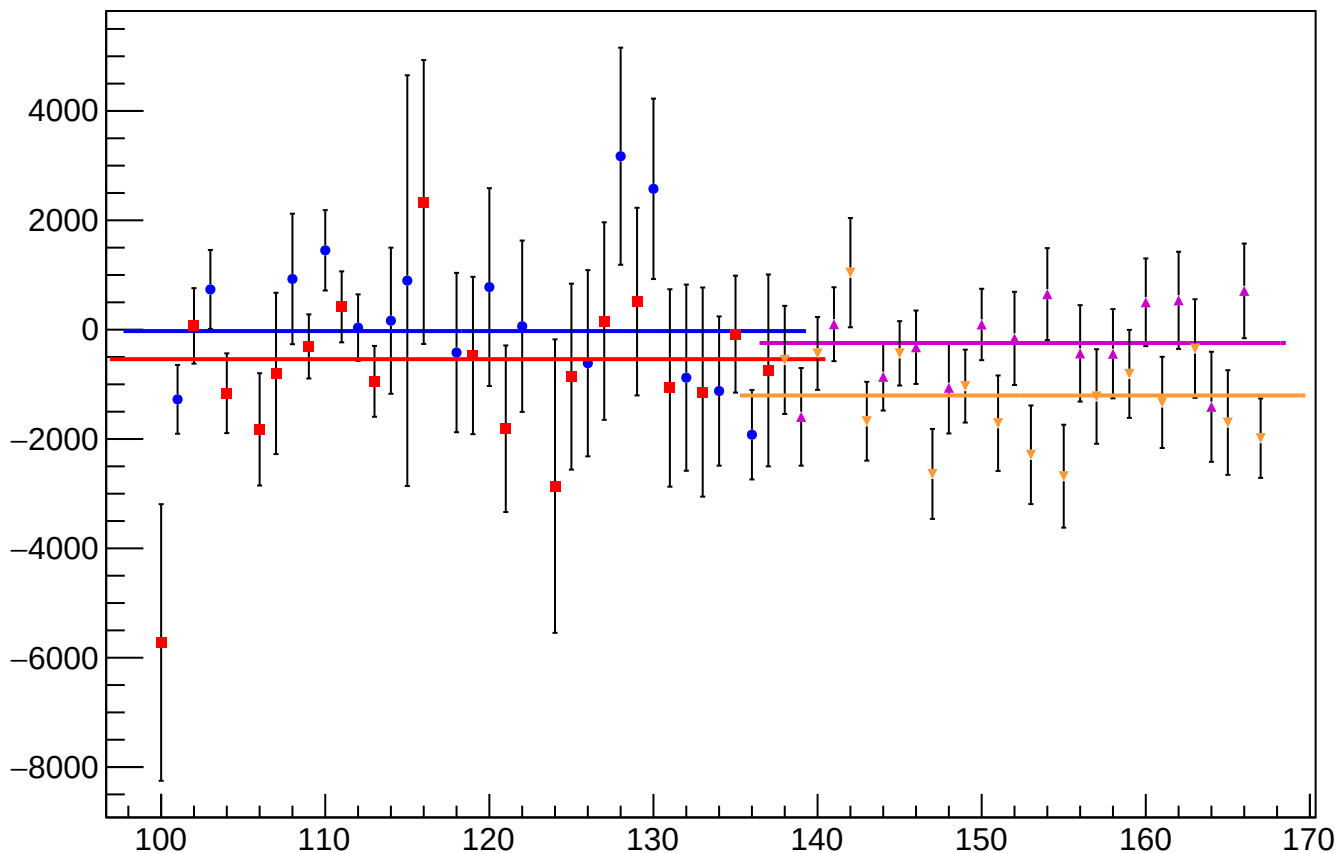
Left In: 108.815+/-0.023 χ^2/NDF : 166635.2/13

+ sign 99.848+/-0.016 χ^2/NDF : 1353706.5/31

All: 98.480+/-0.011 χ^2/NDF : 2945062.6/64

- sign 97.105+/-0.016 χ^2/NDF : 1577093.0/32

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -25.770 ± 259.401 χ^2/NDF : 21.6/15

Left Out: -1203.616 ± 199.890 χ^2/NDF : 18.9/15

Right Out: -539.635 ± 241.238 χ^2/NDF : 13.6/18

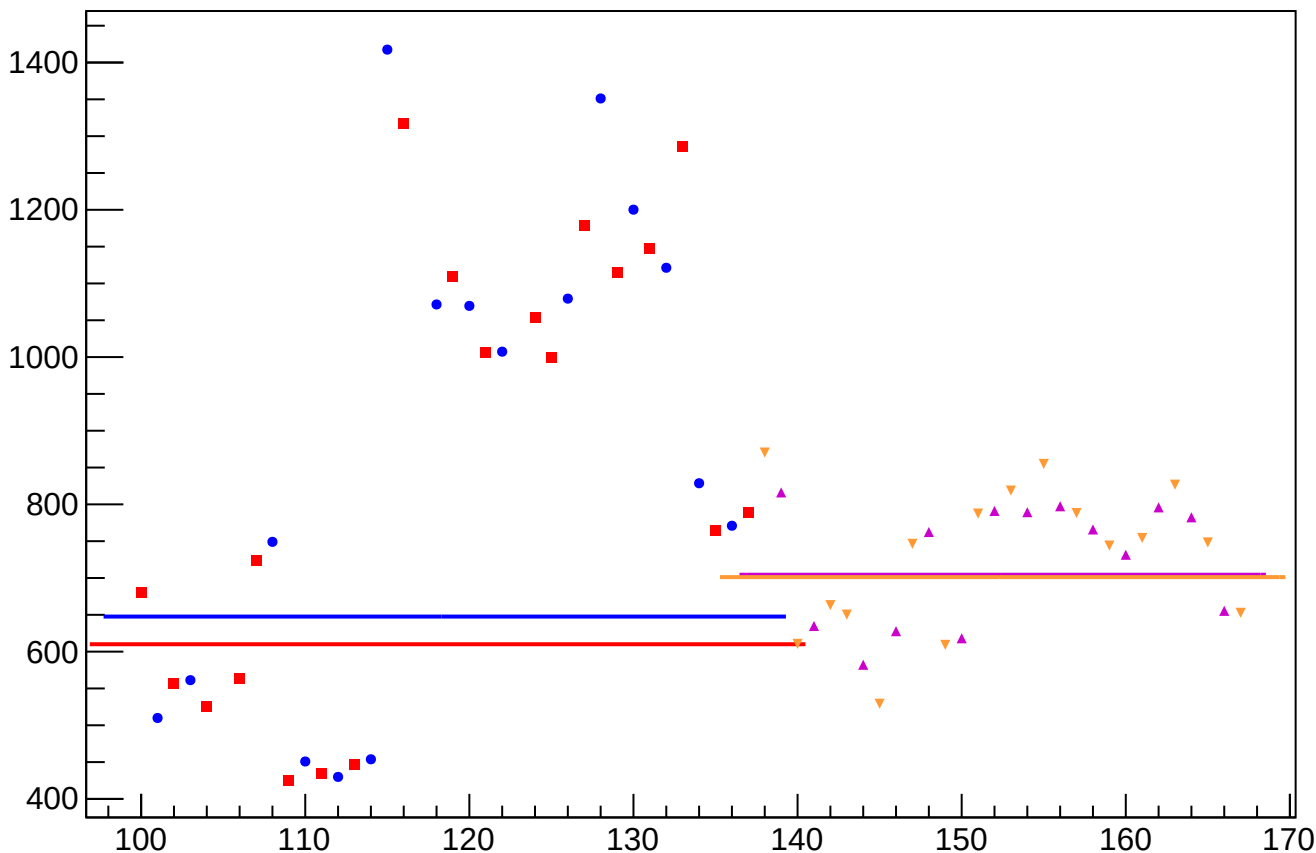
Left In: -243.724 ± 209.523 χ^2/NDF : 10.2/13

+ sign -764.788 ± 158.334 χ^2/NDF : 53.4/31

All: -567.693 ± 111.907 χ^2/NDF : 81.2/64

- sign -370.962 ± 158.188 χ^2/NDF : 24.7/32

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: 701.201 $\pm$ 0.141 χ^2 /NDF: 516773.3/15

Right Out: 610.060 $\pm$ 0.171 χ^2 /NDF: 2074251.1/18

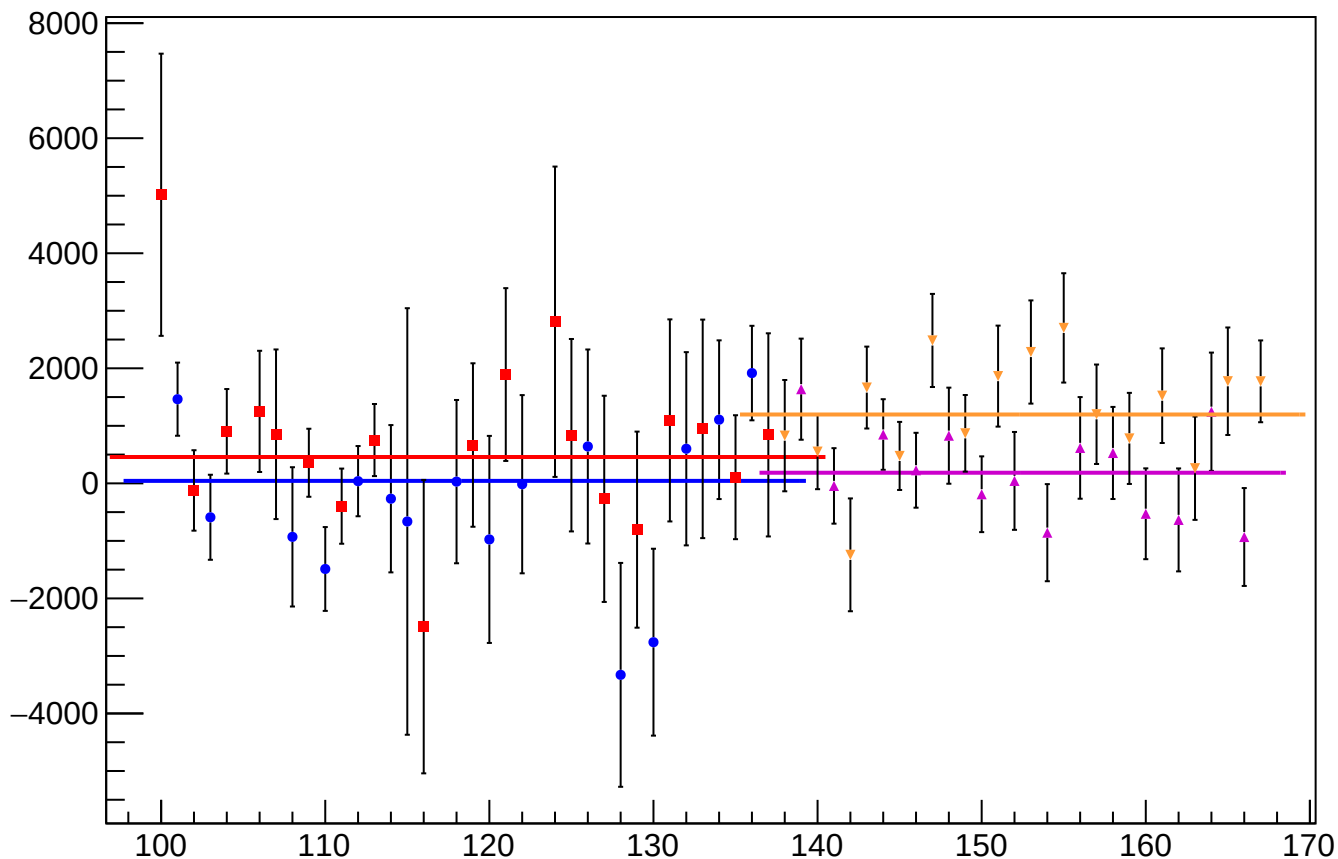
Left In: 704.423 $\pm$ 0.148 χ^2 /NDF: 317985.6/13

+ sign 681.246 $\pm$ 0.112 χ^2 /NDF: 2458094.4/31

All: 672.539 $\pm$ 0.079 χ^2 /NDF: 5036849.3/64

- sign 663.848 $\pm$ 0.112 χ^2 /NDF: 2566670.1/32

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF : 23.2/15

Left Out: 1197.140+/-198.071 χ^2/NDF : 19.1/15

Right Out: 458.111+/-241.118 χ^2/NDF : 11.3/18

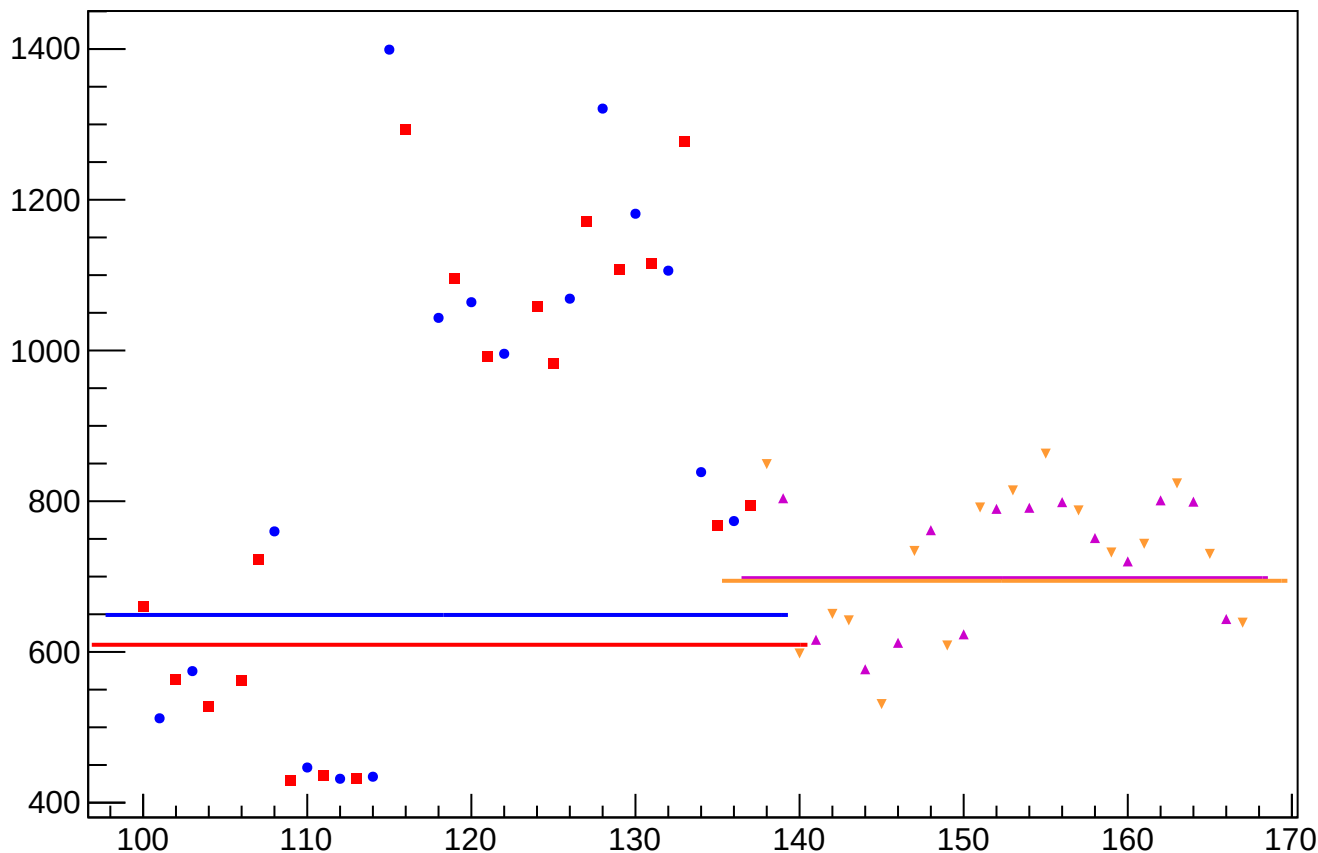
Left In: 184.625+/-207.696 χ^2/NDF : 11.4/13

+ sign 772.939+/-157.513 χ^2/NDF : 54.8/31

All: 536.803+/-111.326 χ^2/NDF : 82.7/64

- sign 301.115+/-157.364 χ^2/NDF : 23.4/32

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF : 1845815.6/15

Left Out: 694.409+/-0.140 χ^2/NDF : 515535.9/15

Right Out: 609.516+/-0.170 χ^2/NDF : 2043591.1/18

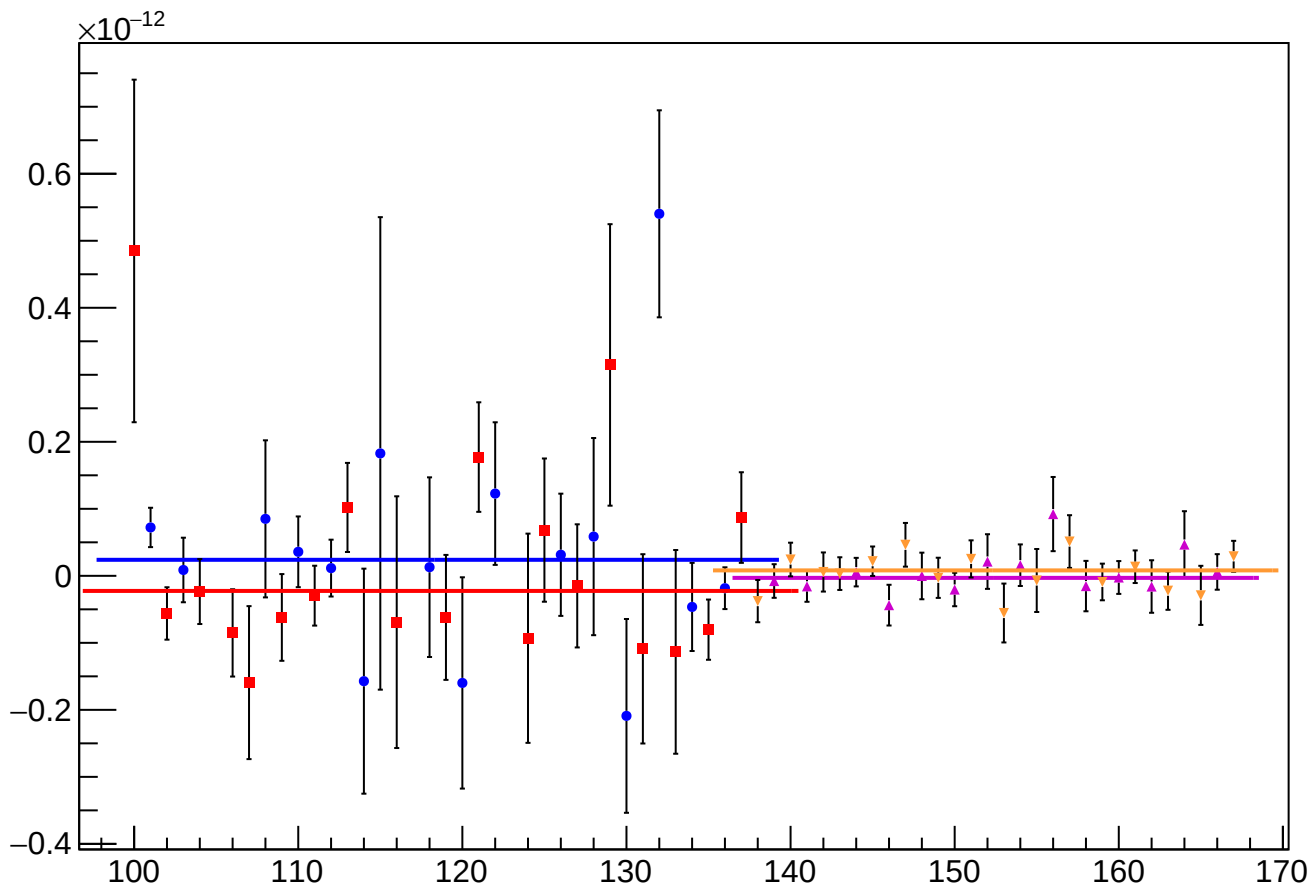
Left In: 697.910+/-0.147 χ^2/NDF : 348358.7/13

+ sign 677.750+/-0.111 χ^2/NDF : 2399837.7/31

All: 668.996+/-0.079 χ^2/NDF : 4958429.7/64

- sign 660.259+/-0.111 χ^2/NDF : 2546249.2/32

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 : 11.4/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.7/18

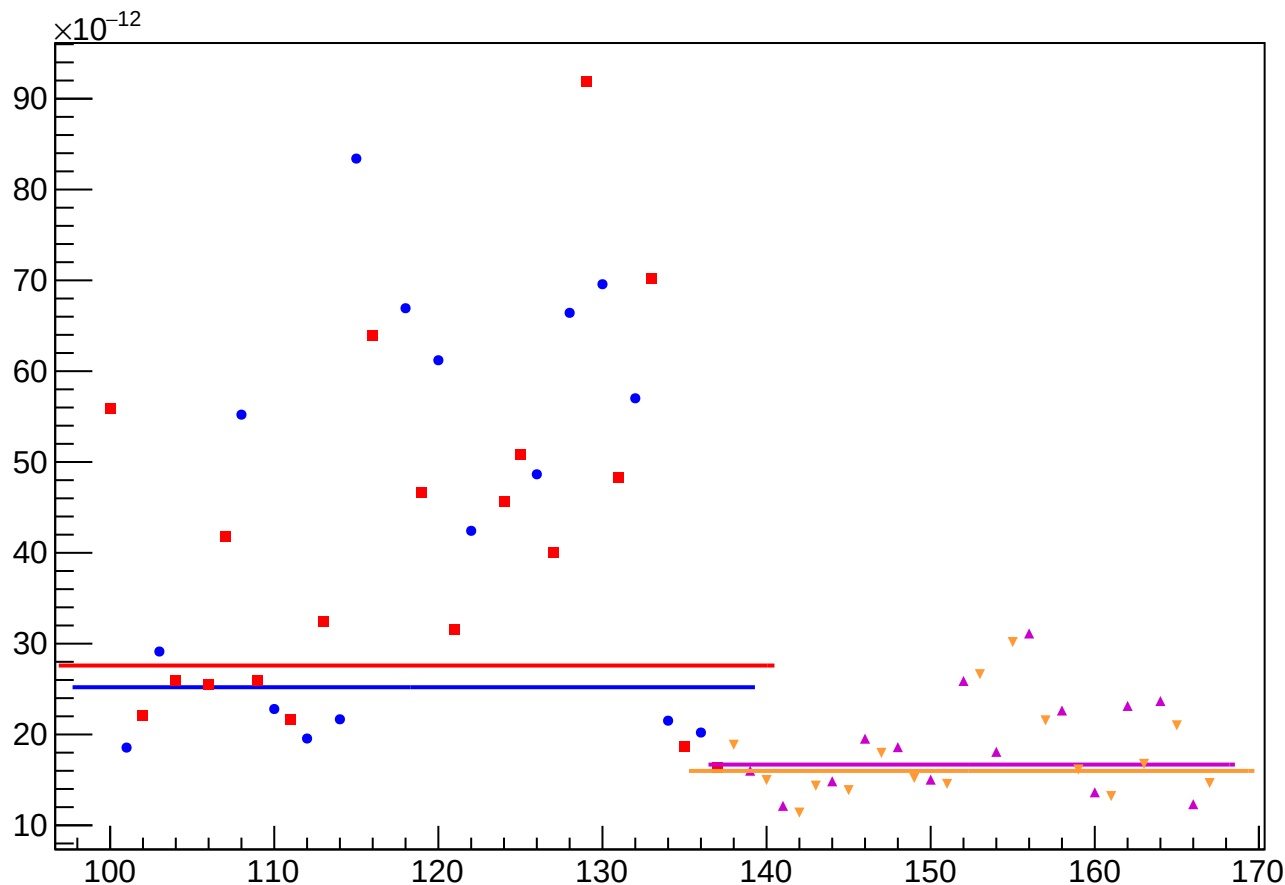
Left In: -0.000 ± 0.000 χ^2/NDF : 7.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 35.9/31

All: 0.000 ± 0.000 χ^2/NDF : 73.9/64

- sign -0.000 ± 0.000 χ^2/NDF : 34.6/32

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 : 510841.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 988490.8/18

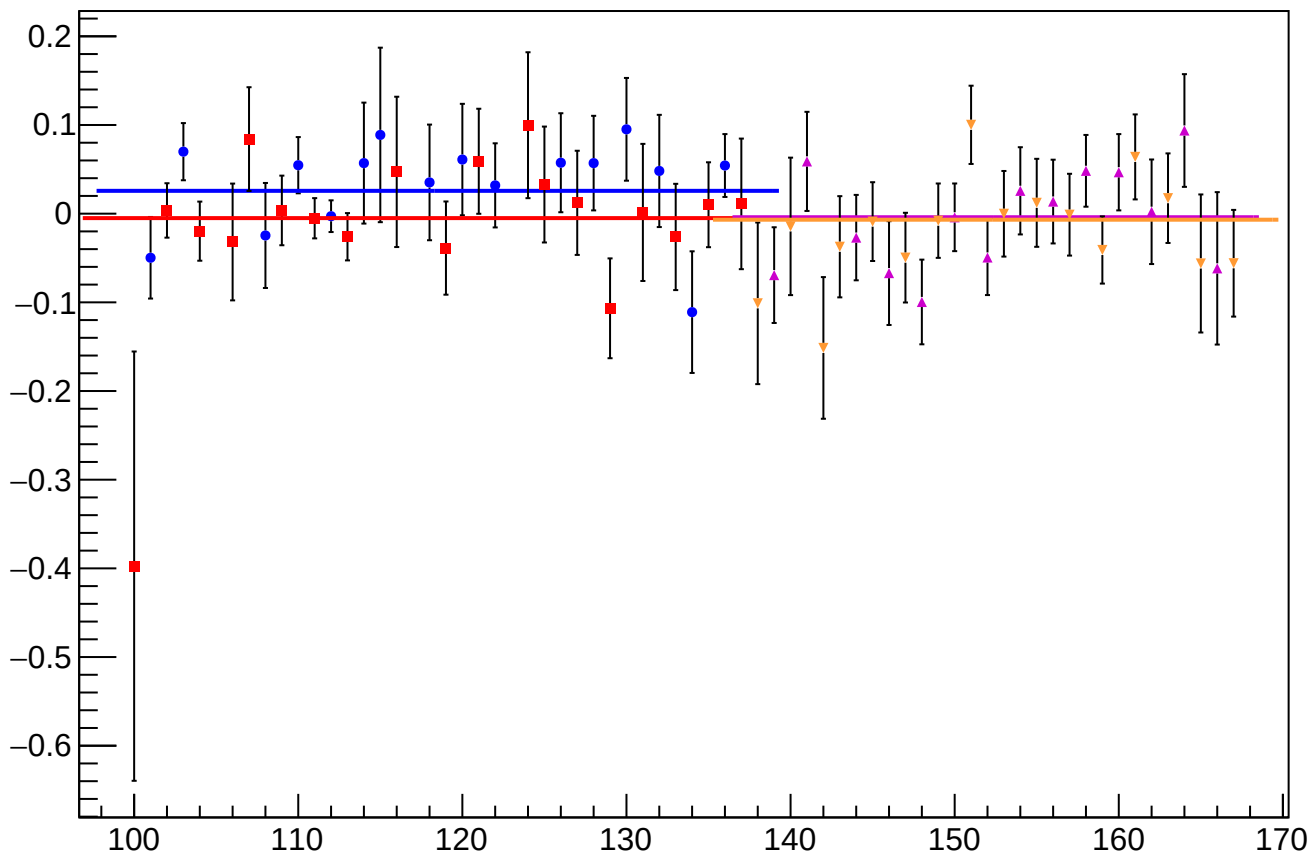
Left In: 0.000+/-0.000 χ^2/NDF : 597908.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 2421801.0/31

All: 0.000+/-0.000 χ^2/NDF : 4754212.8/64

- sign 0.000+/-0.000 χ^2/NDF : 2308003.4/32

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: -0.007 ± 0.013 χ^2/NDF : 15.7/15

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

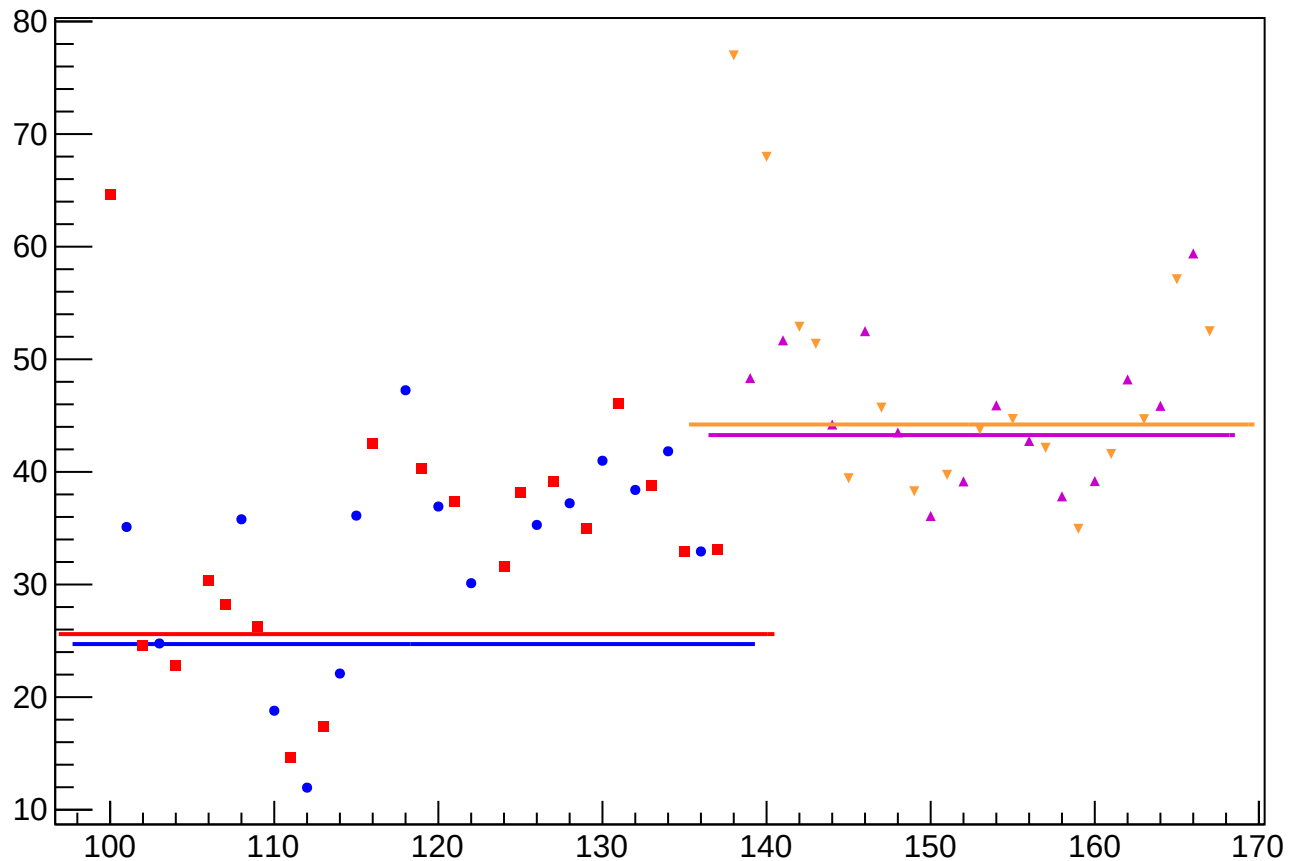
Left In: -0.004 ± 0.013 χ^2/NDF : 15.7/13

+ sign 0.013 ± 0.008 χ^2/NDF : 36.1/31

All: 0.004 ± 0.006 χ^2/NDF : 67.7/64

- sign -0.005 ± 0.008 χ^2/NDF : 29.3/32

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295174.7/15

Left Out: 44.212 $\pm$ 0.009 χ^2 /NDF: 809983.5/15

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605235.8/18

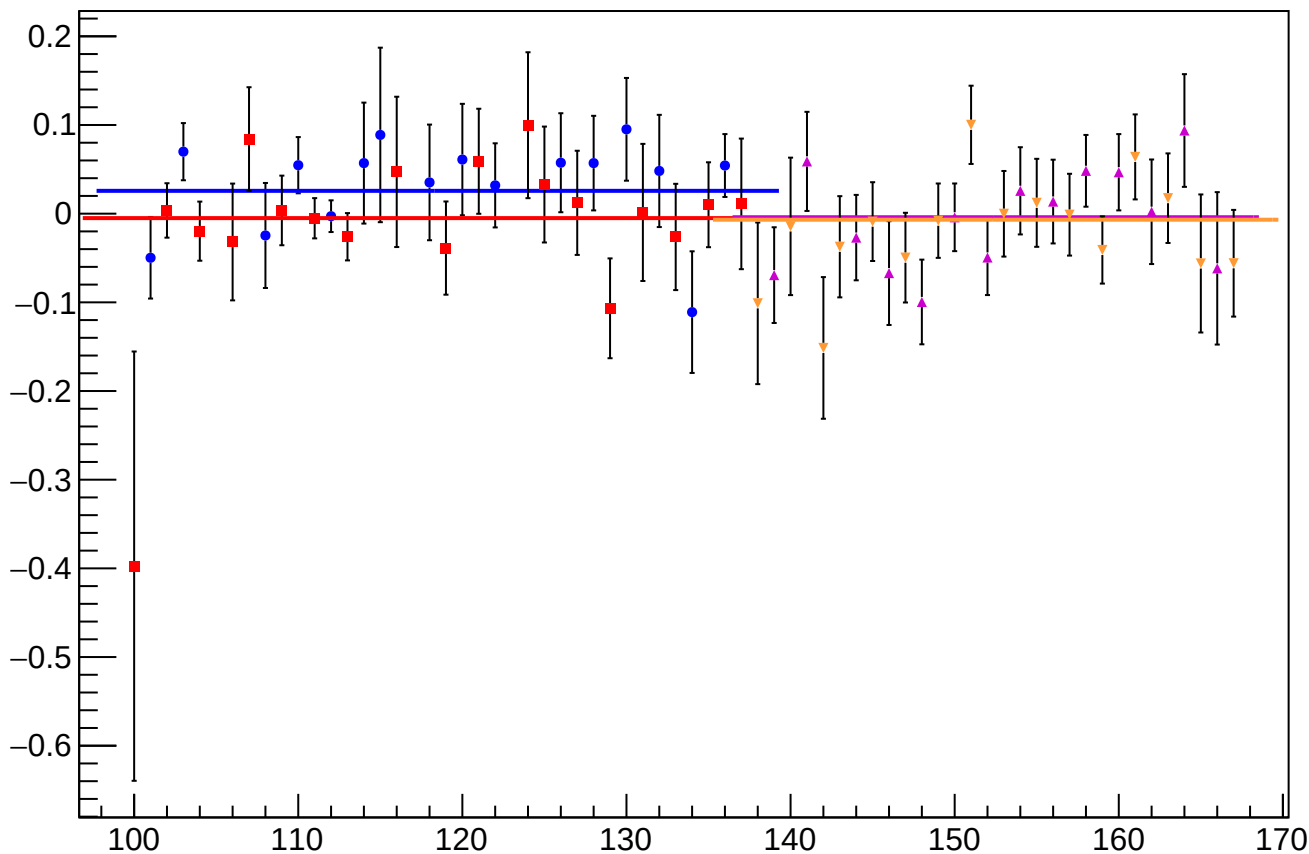
Left In: 43.270 $\pm$ 0.009 χ^2 /NDF: 351203.2/13

+ sign 32.348 $\pm$ 0.006 χ^2 /NDF: 5881488.6/31

All: 32.341 $\pm$ 0.004 χ^2 /NDF: 10061537.7/64

- sign 32.334 $\pm$ 0.006 χ^2 /NDF: 4180046.1/32

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 ± 0.010 χ^2/NDF : 16.5/15

Left Out: -0.007 ± 0.013 χ^2/NDF : 15.7/15

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

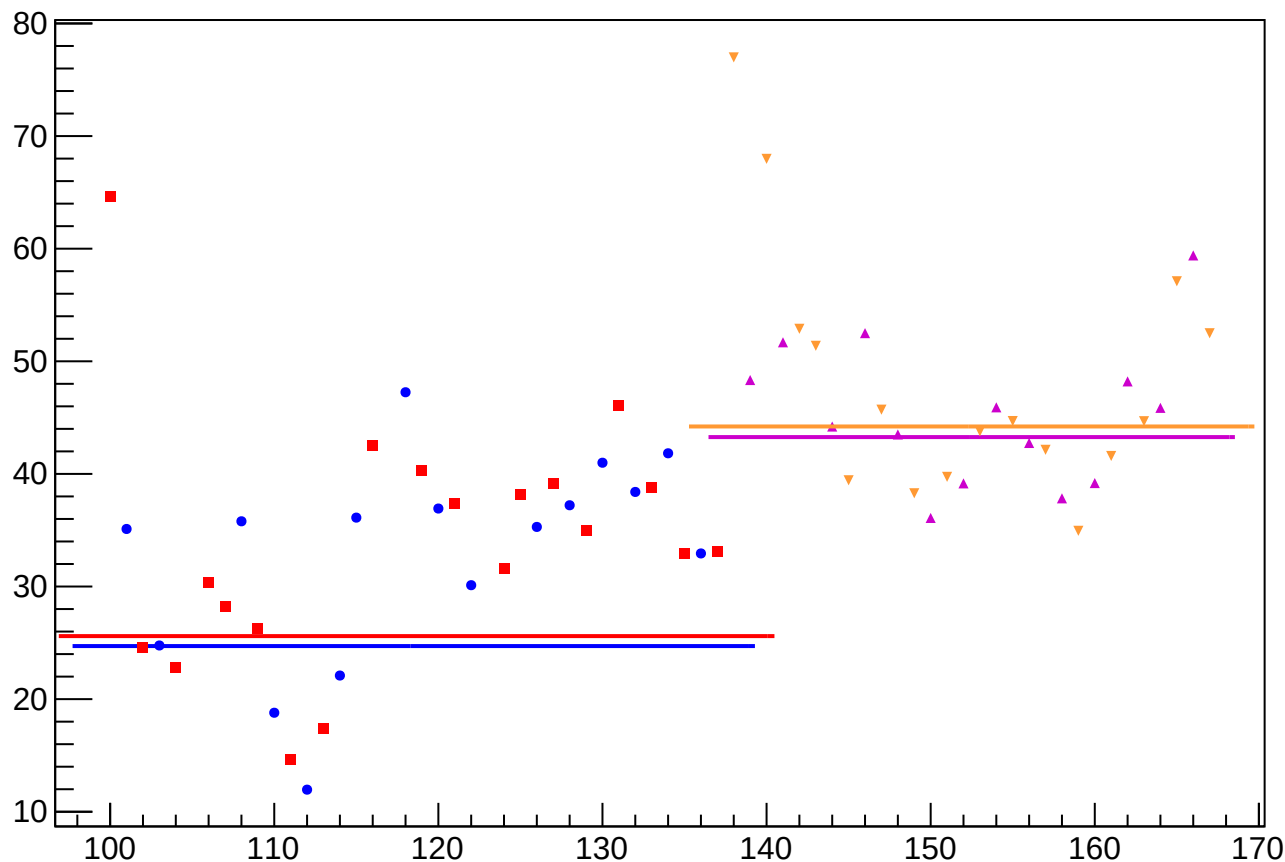
Left In: -0.004 ± 0.013 χ^2/NDF : 15.7/13

+ sign 0.013 ± 0.008 χ^2/NDF : 36.1/31

All: 0.004 ± 0.006 χ^2/NDF : 67.7/64

- sign -0.005 ± 0.008 χ^2/NDF : 29.3/32

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: 44.212 $\pm$ 0.009 χ^2 /NDF: 809983.5/15

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605235.8/18

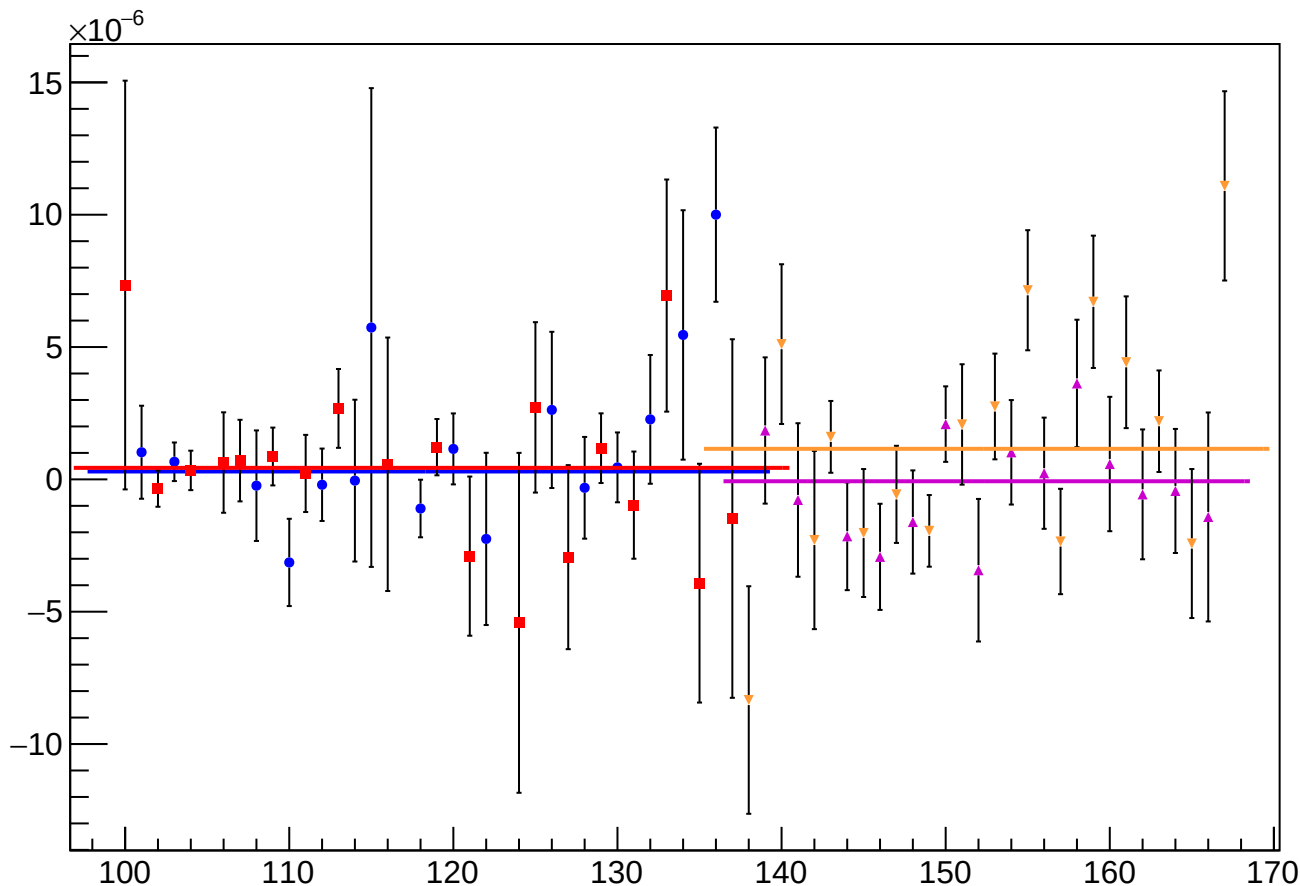
Left In: 43.270 $\pm$ 0.009 χ^2 /NDF: 351203.2/13

+ sign 32.348 $\pm$ 0.006 χ^2 /NDF: 5881488.6/31

All: 32.341 $\pm$ 0.004 χ^2 /NDF: 10061537.7/64

- sign 32.334 $\pm$ 0.006 χ^2 /NDF: 4180046.1/32

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:42.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

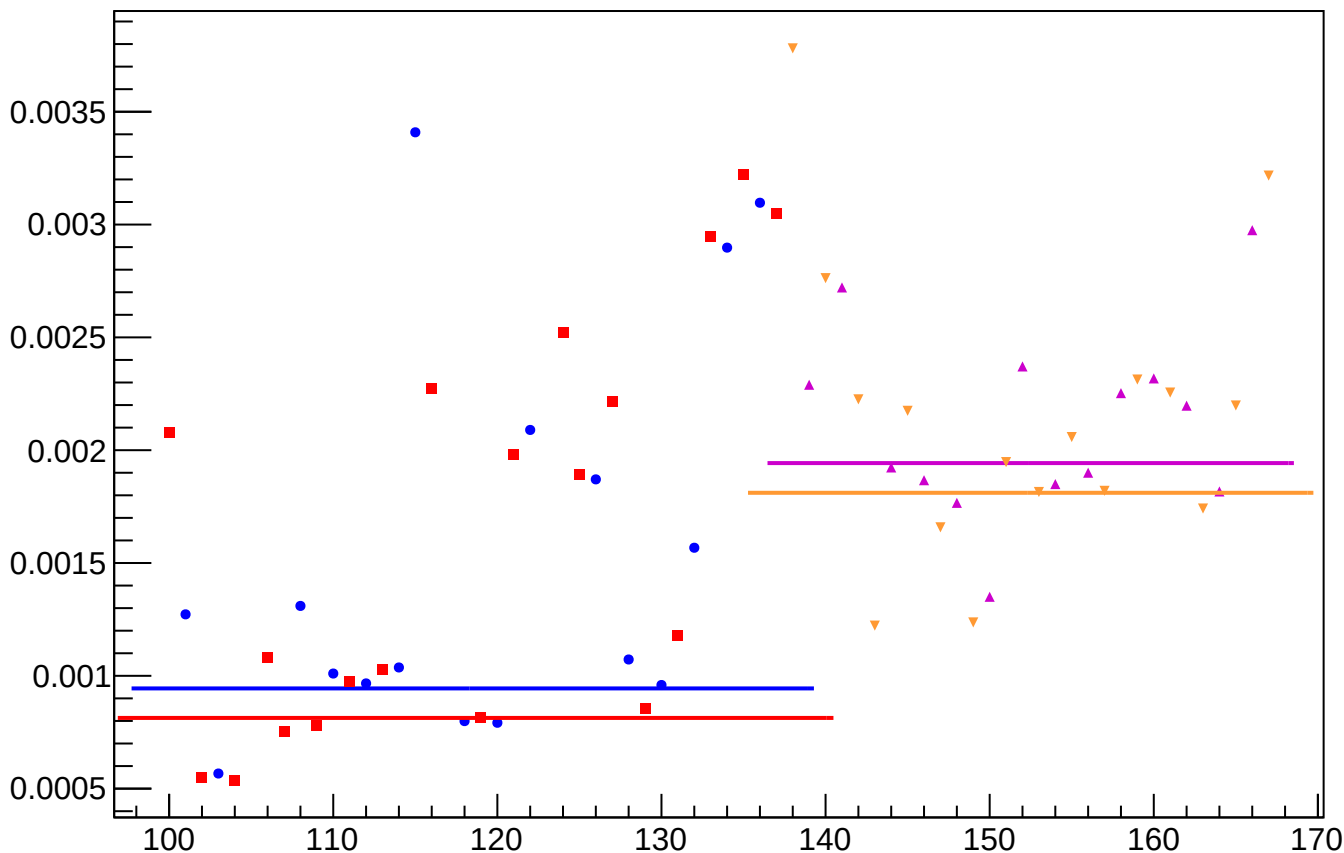
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.7/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.4/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.3/32

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: 0.002+/-0.000 χ^2/NDF :1969505.5/15

Right Out: 0.001+/-0.000 χ^2/NDF : 3244147.3/18

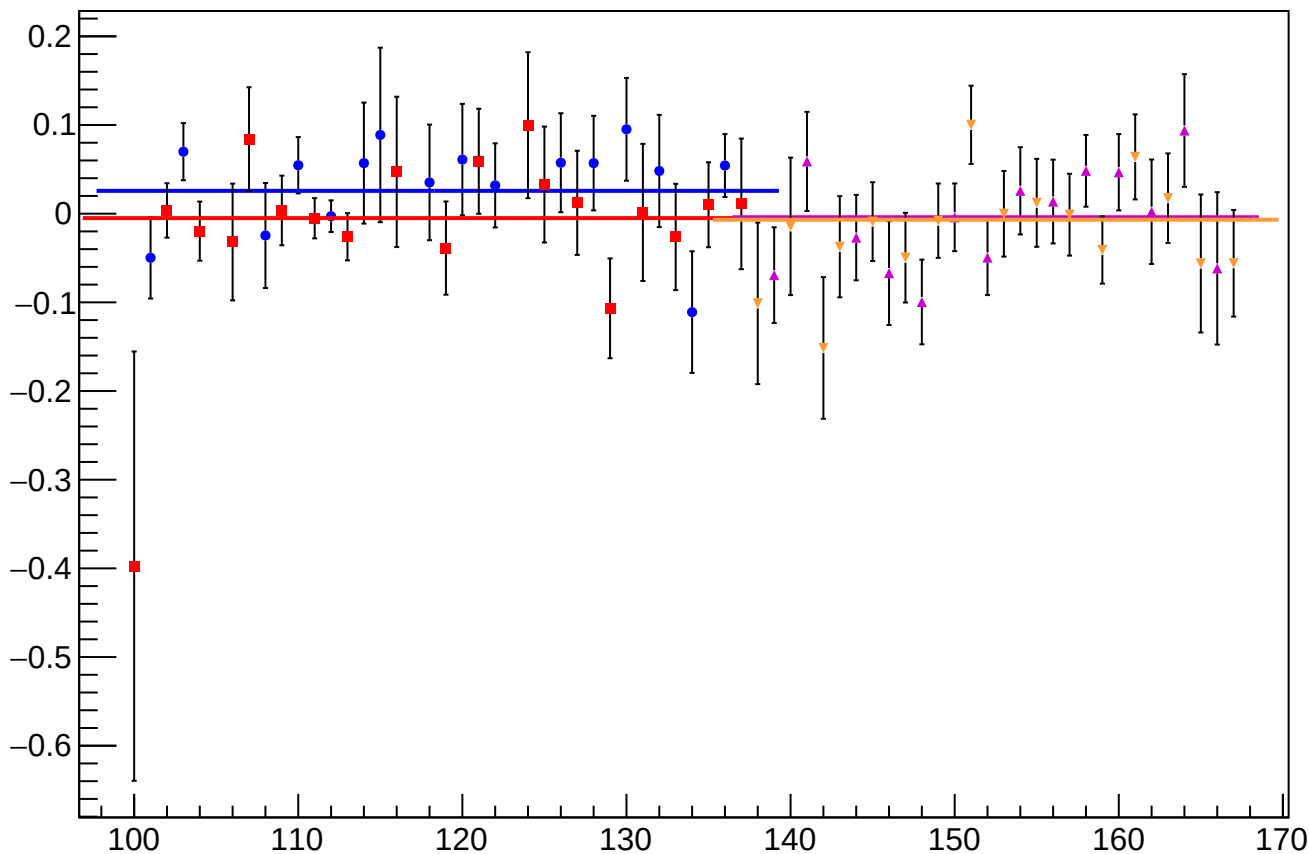
Left In: 0.002+/-0.000 χ^2/NDF :836721.0/13

+ sign 0.001+/-0.000 χ^2/NDF : 8000216.5/31

All: 0.001+/-0.000 χ^2/NDF : 17822623.2/64

- sign 0.001+/-0.000 χ^2/NDF : 9548846.8/32

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: -0.007 ± 0.013 χ^2/NDF : 15.7/15

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

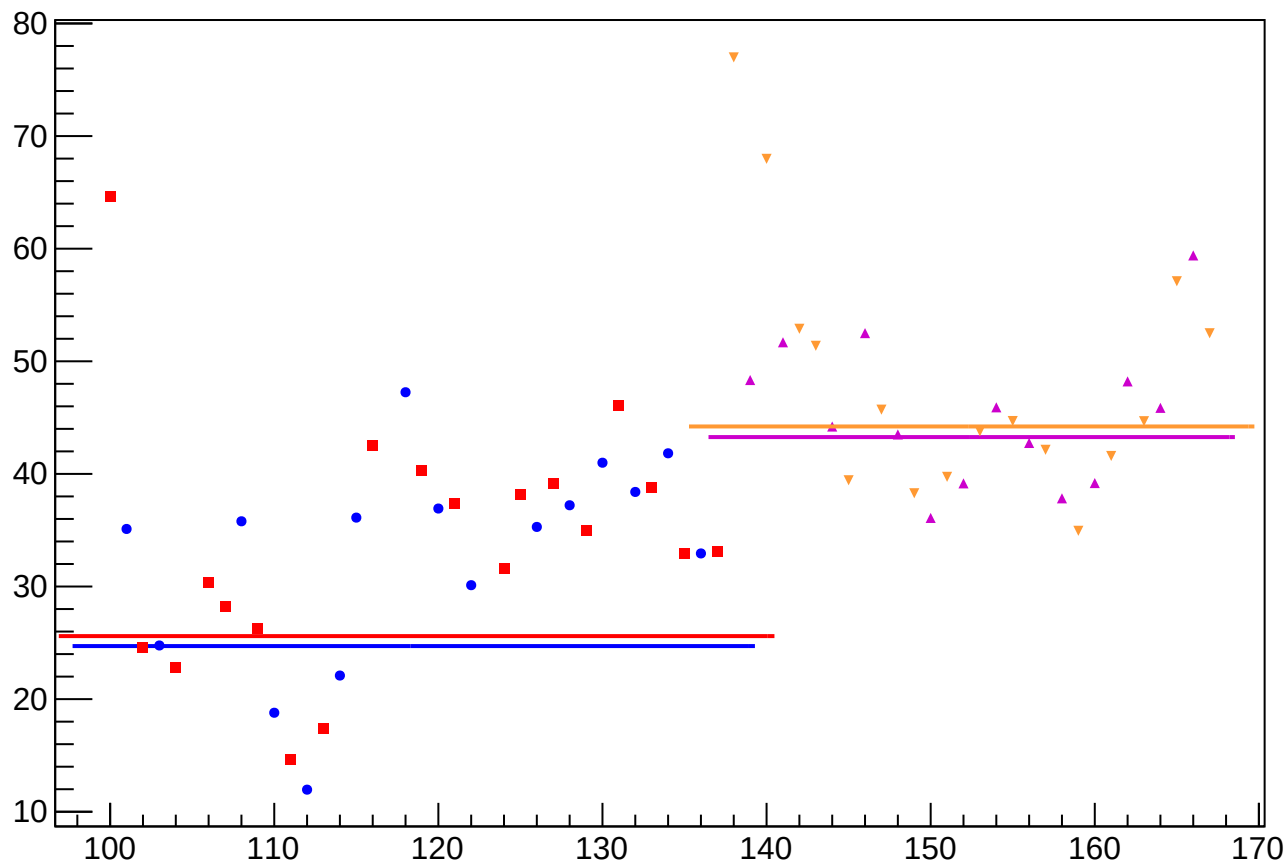
Left In: -0.004 ± 0.013 χ^2/NDF : 15.7/13

+ sign 0.013 ± 0.008 χ^2/NDF : 36.1/31

All: 0.004 ± 0.006 χ^2/NDF : 67.7/64

- sign -0.005 ± 0.008 χ^2/NDF : 29.3/32

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: 44.213 $\pm$ 0.009 χ^2 /NDF: 809973.0/15

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

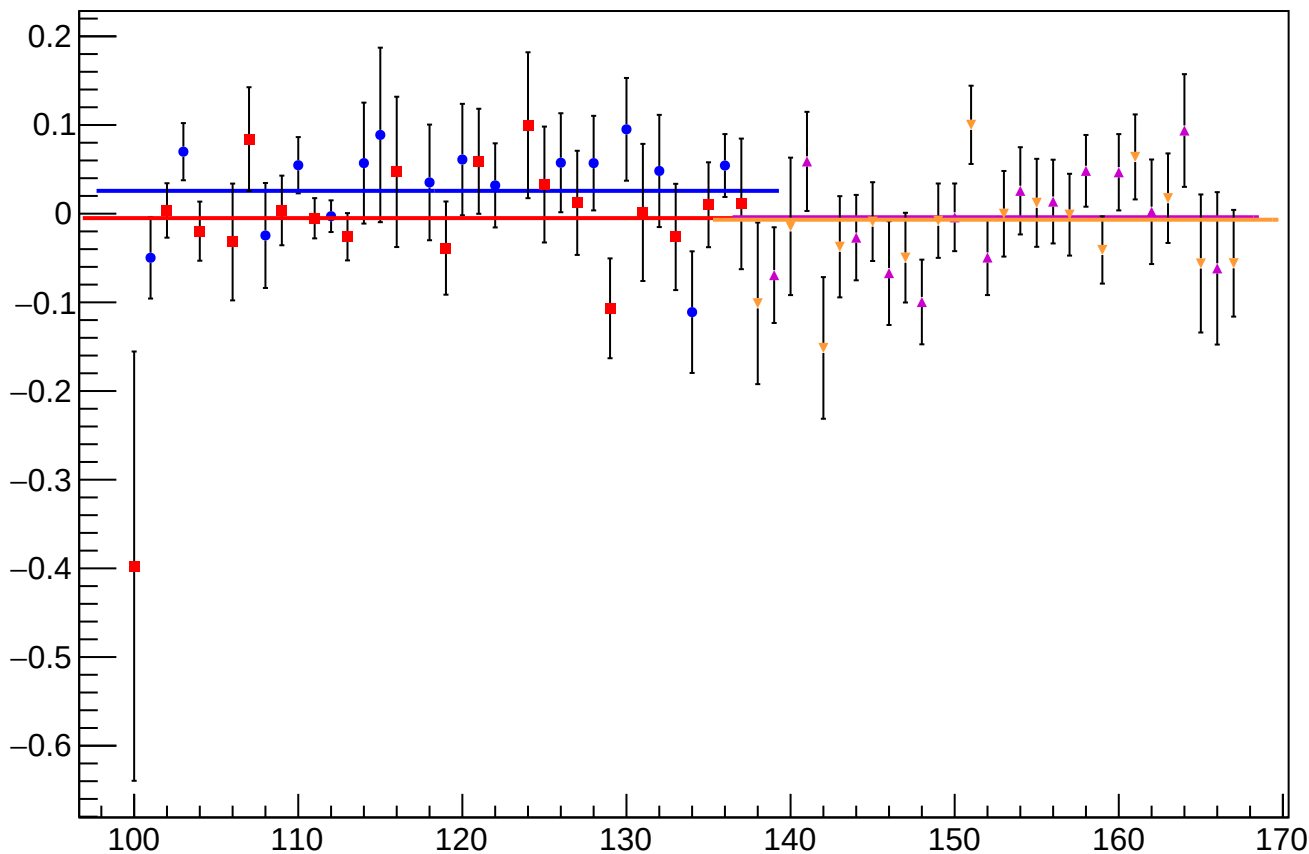
Left In: 43.270 $\pm$ 0.009 χ^2 /NDF: 351205.3/13

+ sign 32.348 $\pm$ 0.006 χ^2 /NDF: 5881928.1/31

All: 32.341 $\pm$ 0.004 χ^2 /NDF: 10062330.8/64

- sign 32.334 $\pm$ 0.006 χ^2 /NDF: 4180399.7/32

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: -0.007 ± 0.013 χ^2/NDF : 15.7/15

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

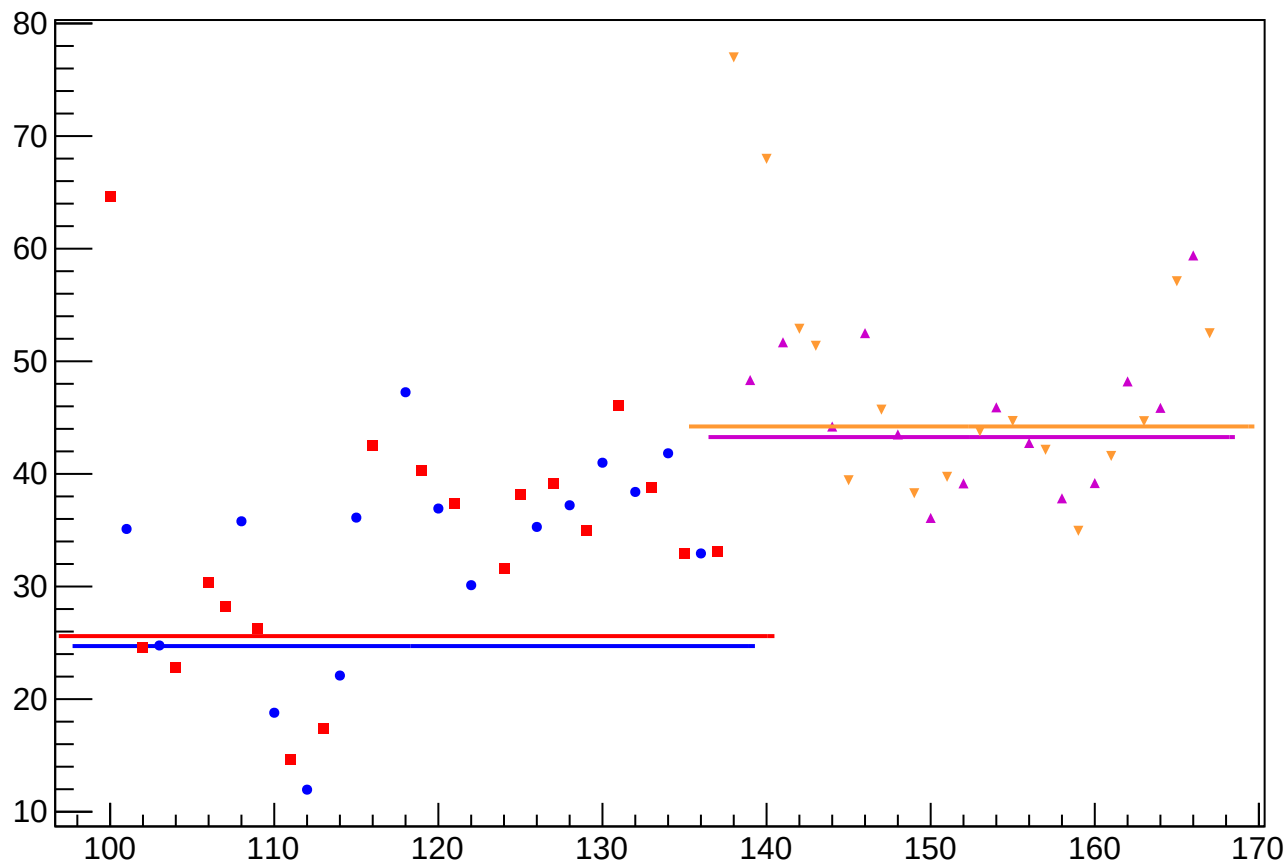
Left In: -0.004 ± 0.013 χ^2/NDF : 15.7/13

+ sign 0.013 ± 0.008 χ^2/NDF : 36.1/31

All: 0.004 ± 0.006 χ^2/NDF : 67.7/64

- sign -0.005 ± 0.008 χ^2/NDF : 29.3/32

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: 44.213 $\pm$ 0.009 χ^2 /NDF: 809973.0/15

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

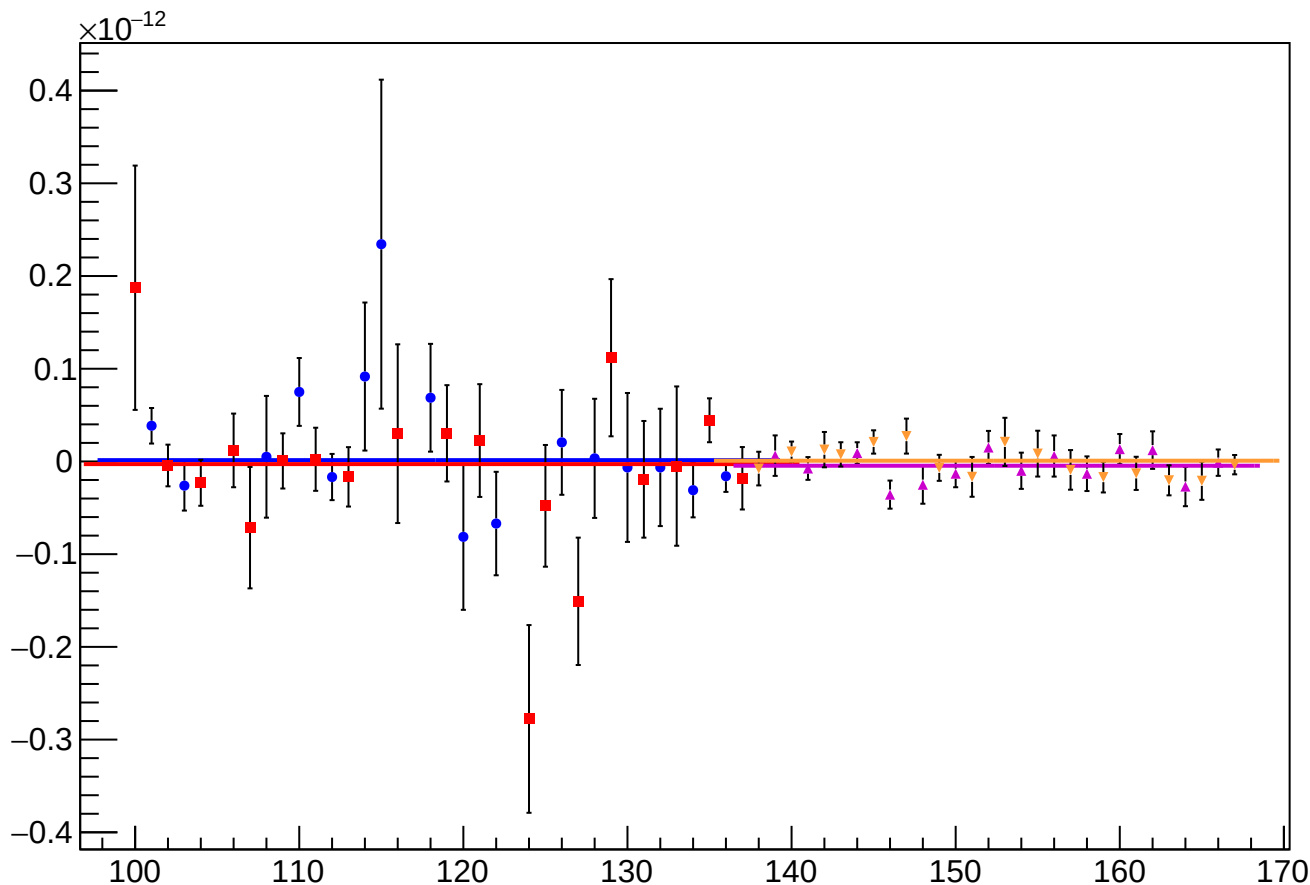
Left In: 43.270 $\pm$ 0.009 χ^2 /NDF: 351205.3/13

+ sign 32.348 $\pm$ 0.006 χ^2 /NDF: 5881928.1/31

All: 32.341 $\pm$ 0.004 χ^2 /NDF: 10062330.8/64

- sign 32.334 $\pm$ 0.006 χ^2 /NDF: 4180399.7/32

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:12.9/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/18

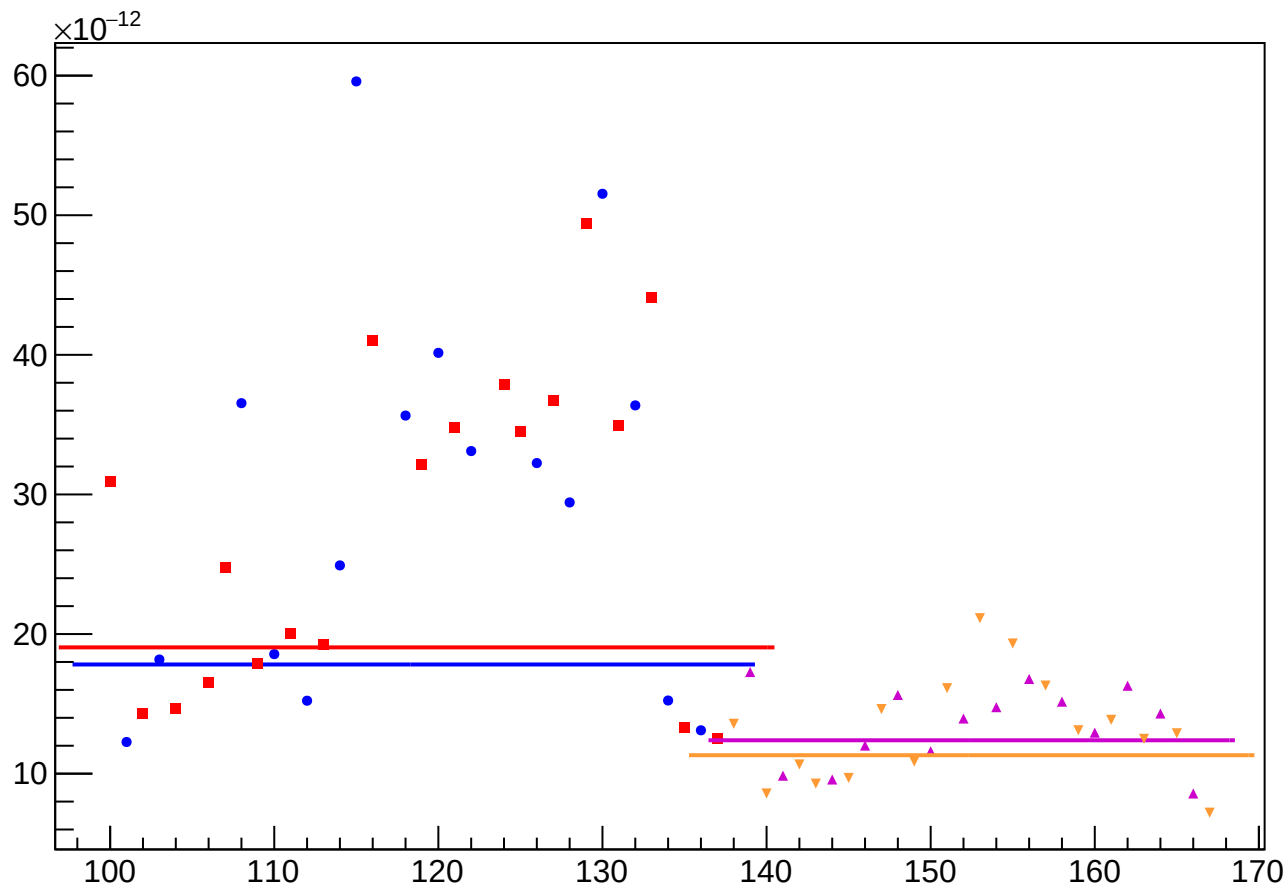
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:12.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 68.1/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 35.6/32

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 : 1408302.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1620721.2/18

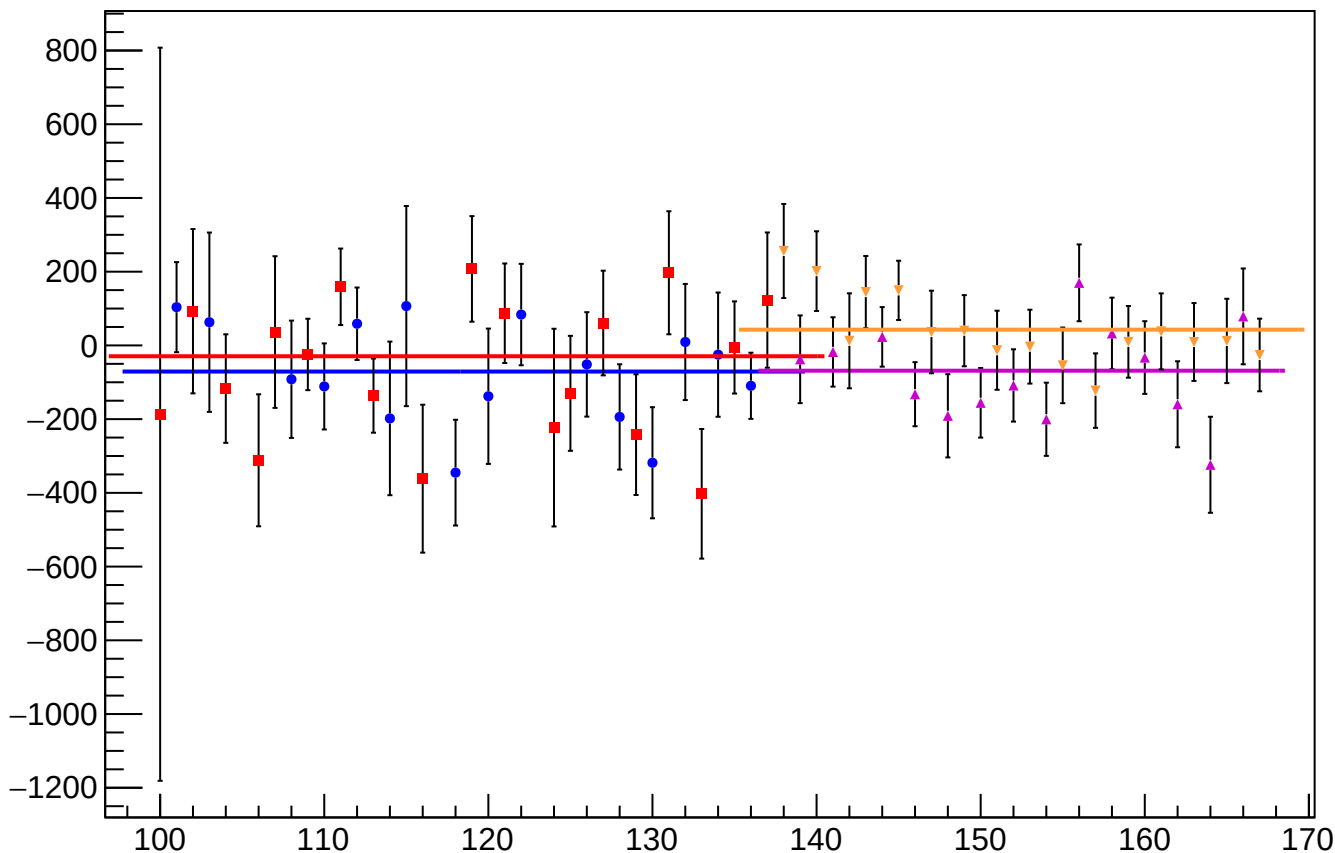
Left In: 0.000+/-0.000 χ^2/NDF : 762847.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 4207812.2/31

All: 0.000+/-0.000 χ^2/NDF : 7553824.7/64

- sign 0.000+/-0.000 χ^2/NDF : 3244390.8/32

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892 ± 35.122 χ^2/NDF : 14.1/15

Left Out: 42.759 ± 25.804 χ^2/NDF : 12.7/15

Right Out: -29.410 ± 34.243 χ^2/NDF : 24.0/18

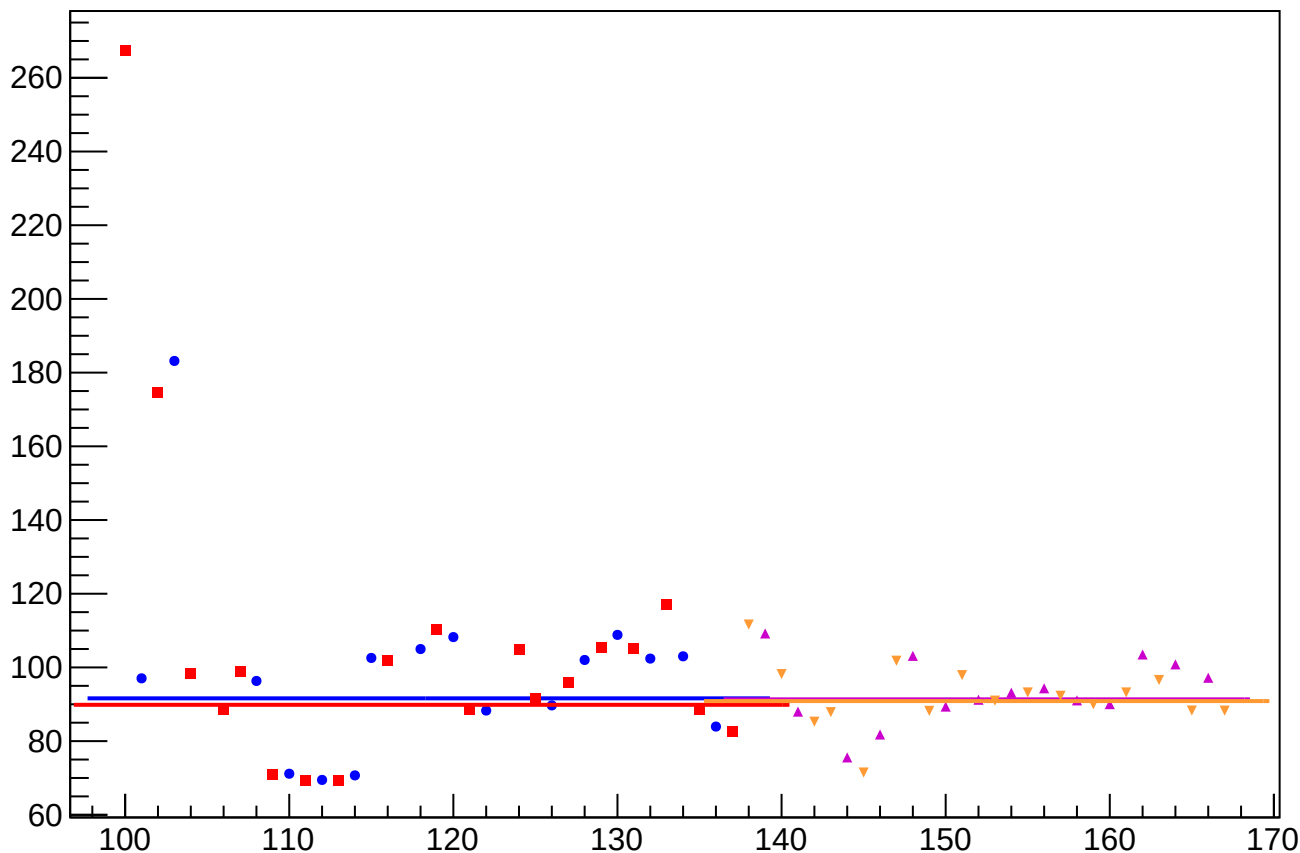
Left In: -68.585 ± 27.133 χ^2/NDF : 18.3/13

+ sign 2.919 ± 20.795 χ^2/NDF : 33.5/31

All: -24.646 ± 14.868 χ^2/NDF : 80.3/64

- sign -53.475 ± 21.266 χ^2/NDF : 43.2/32

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 ± 0.025 χ^2/NDF : 580672.8/15

Left Out: 90.868 ± 0.018 χ^2/NDF : 224382.1/15

Right Out: 89.854 ± 0.024 χ^2/NDF : 746289.1/18

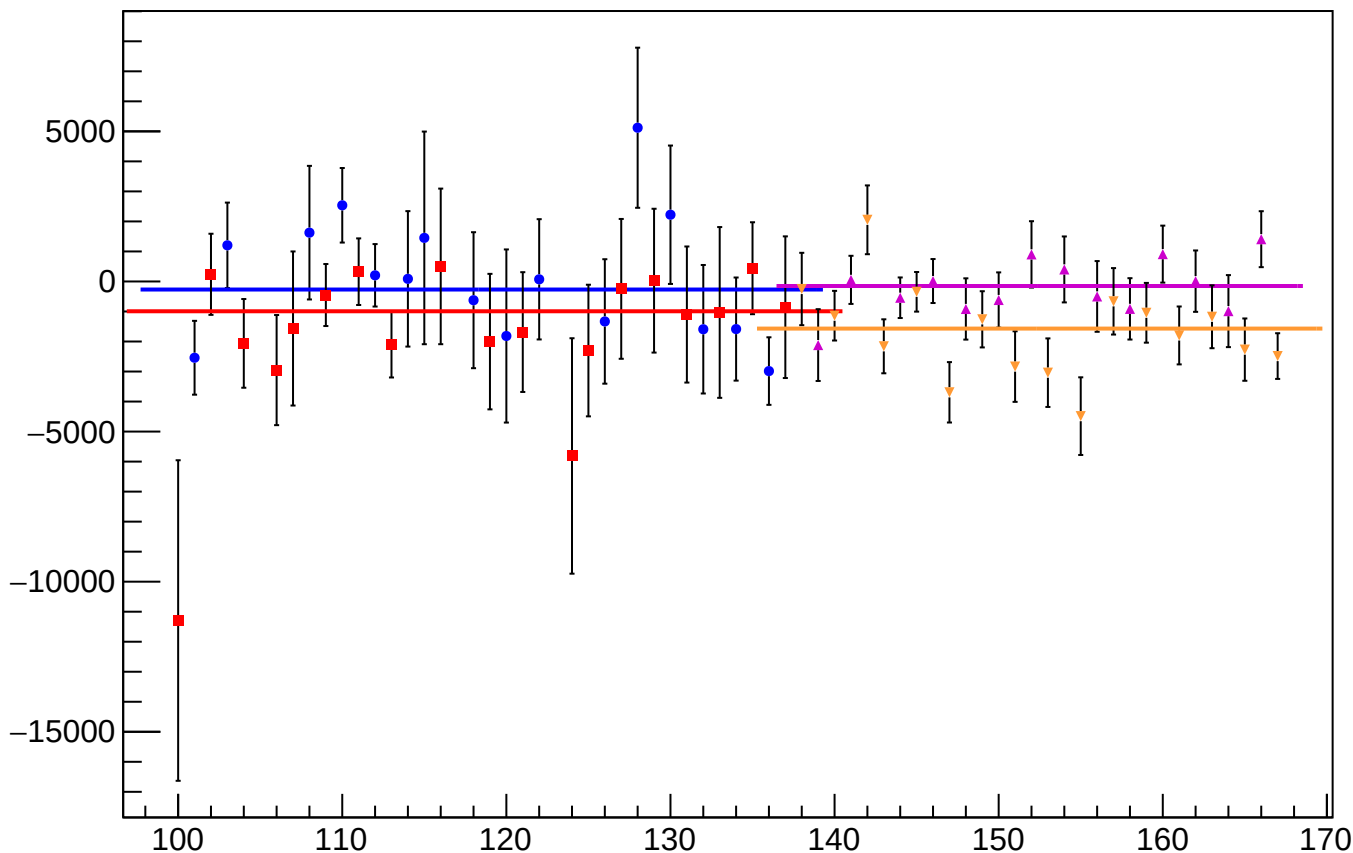
Left In: 91.339 ± 0.019 χ^2/NDF : 209700.7/13

+ sign 91.127 ± 0.015 χ^2/NDF : 805631.4/31

All: 90.951 ± 0.011 χ^2/NDF : 1764224.6/64

- sign 90.766 ± 0.015 χ^2/NDF : 958298.4/32

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -268.485 ± 419.578 $\chi^2/\text{NDF}: 23.4/15$

Left Out: -1569.543 ± 241.582 $\chi^2/\text{NDF}: 30.9/15$

Right Out: -992.670 ± 400.824 $\chi^2/\text{NDF}: 12.7/18$

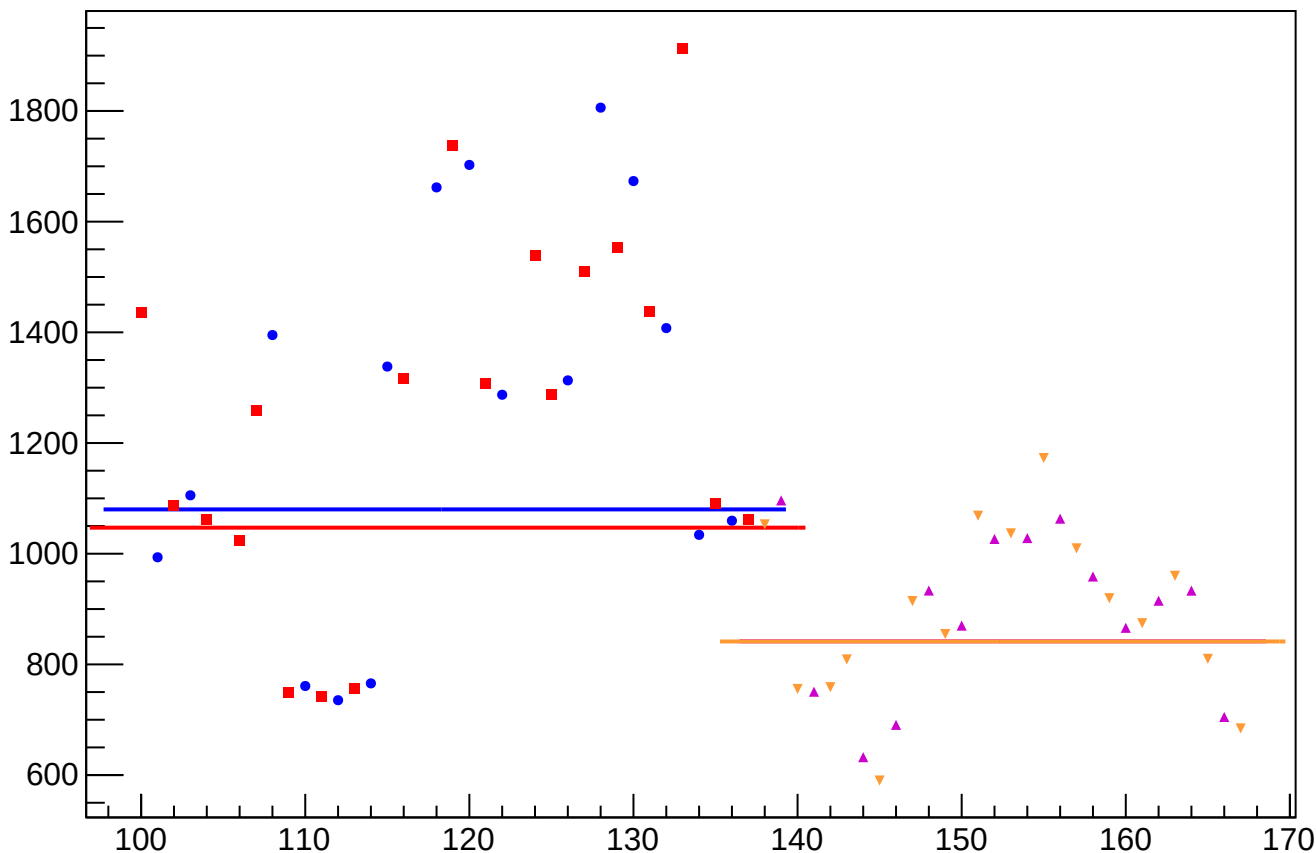
Left In: -151.202 ± 252.437 $\chi^2/\text{NDF}: 10.3/13$

+ sign -1245.610 ± 209.359 $\chi^2/\text{NDF}: 61.5/31$

All: -826.479 ± 149.518 $\chi^2/\text{NDF}: 95.9/64$

- sign -390.177 ± 213.605 $\chi^2/\text{NDF}: 26.2/32$

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045 $\pm$ 0.297 χ^2 /NDF: 1053468.5/15

Left Out: 841.394 $\pm$ 0.171 χ^2 /NDF: 835418.3/15

Right Out: 1047.068 $\pm$ 0.283 χ^2 /NDF: 1198646.2/18

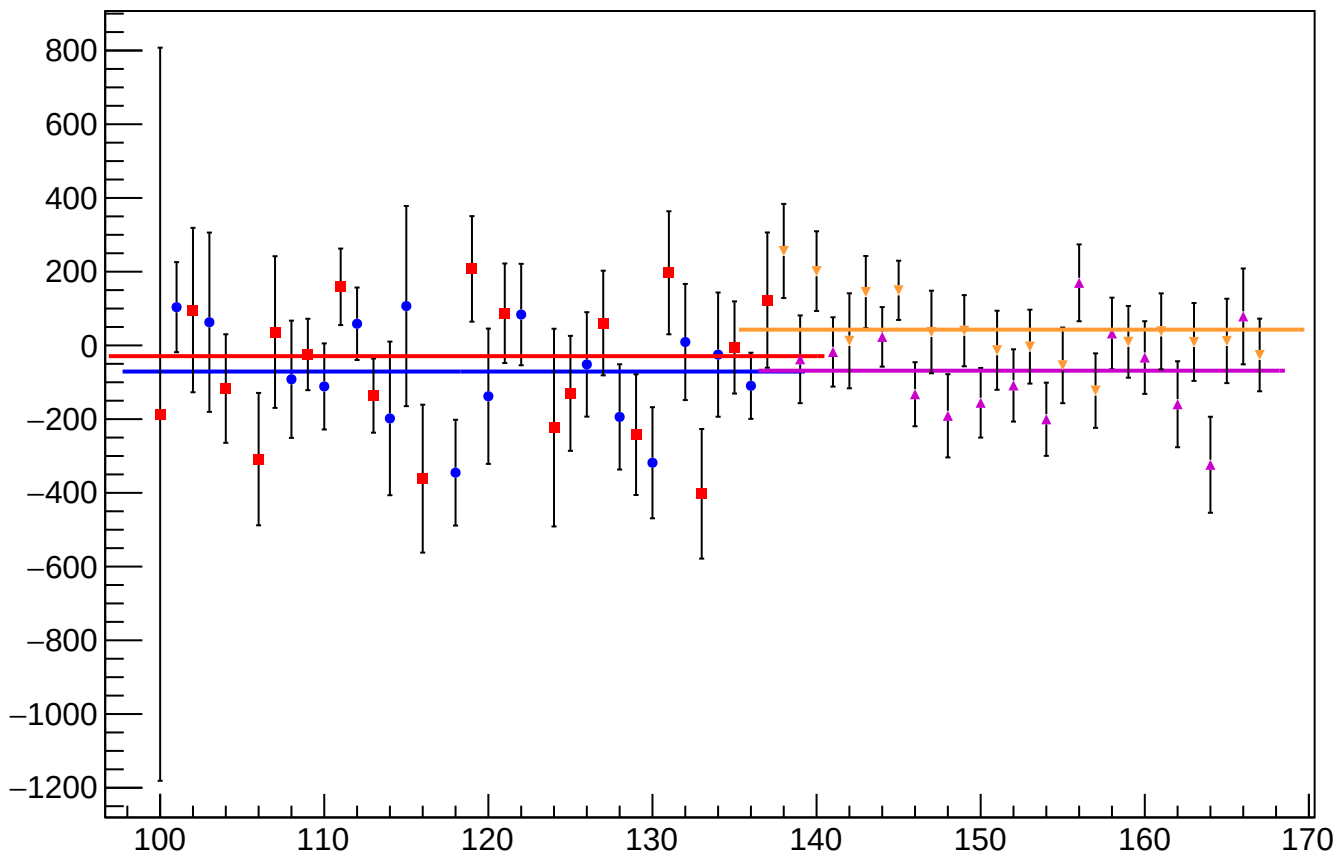
Left In: 841.704 $\pm$ 0.179 χ^2 /NDF: 688449.4/13

+ sign 900.812 $\pm$ 0.148 χ^2 /NDF: 2374831.9/31

All: 900.427 $\pm$ 0.106 χ^2 /NDF: 4637850.6/64

- sign 900.027 $\pm$ 0.151 χ^2 /NDF: 2263004.9/32

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903 ± 35.122 $\chi^2/\text{NDF}: 14.1/15$

Left Out: 42.765 ± 25.804 $\chi^2/\text{NDF}: 12.7/15$

Right Out: -29.159 ± 34.247 $\chi^2/\text{NDF}: 24.0/18$

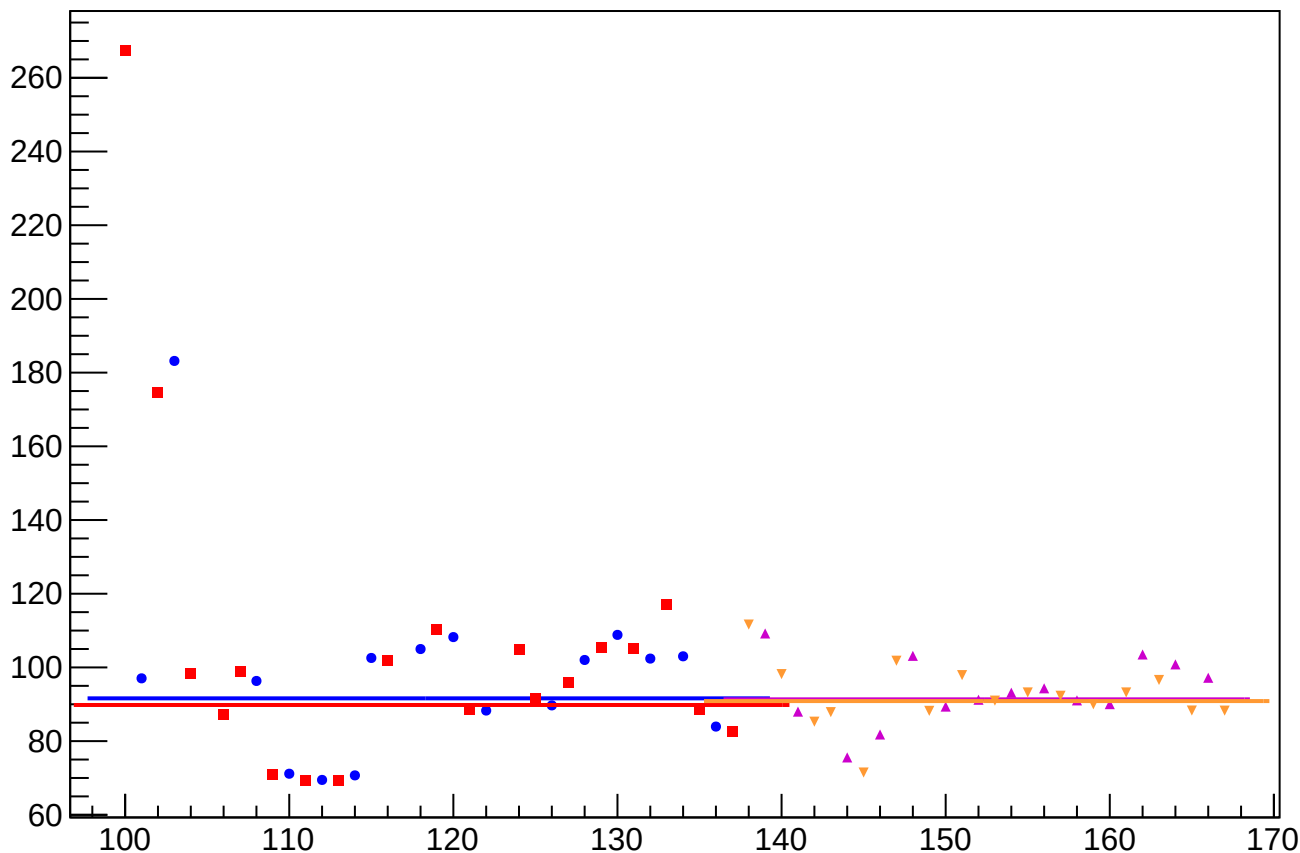
Left In: -68.586 ± 27.133 $\chi^2/\text{NDF}: 18.3/13$

+ sign 2.919 ± 20.795 $\chi^2/\text{NDF}: 33.5/31$

All: -24.599 ± 14.868 $\chi^2/\text{NDF}: 80.2/64$

- sign -53.381 ± 21.267 $\chi^2/\text{NDF}: 43.1/32$

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580675.9/15

Left Out: 90.868 $\pm$ 0.018 χ^2 /NDF: 224382.1/15

Right Out: 89.807 $\pm$ 0.024 χ^2 /NDF: 746833.4/18

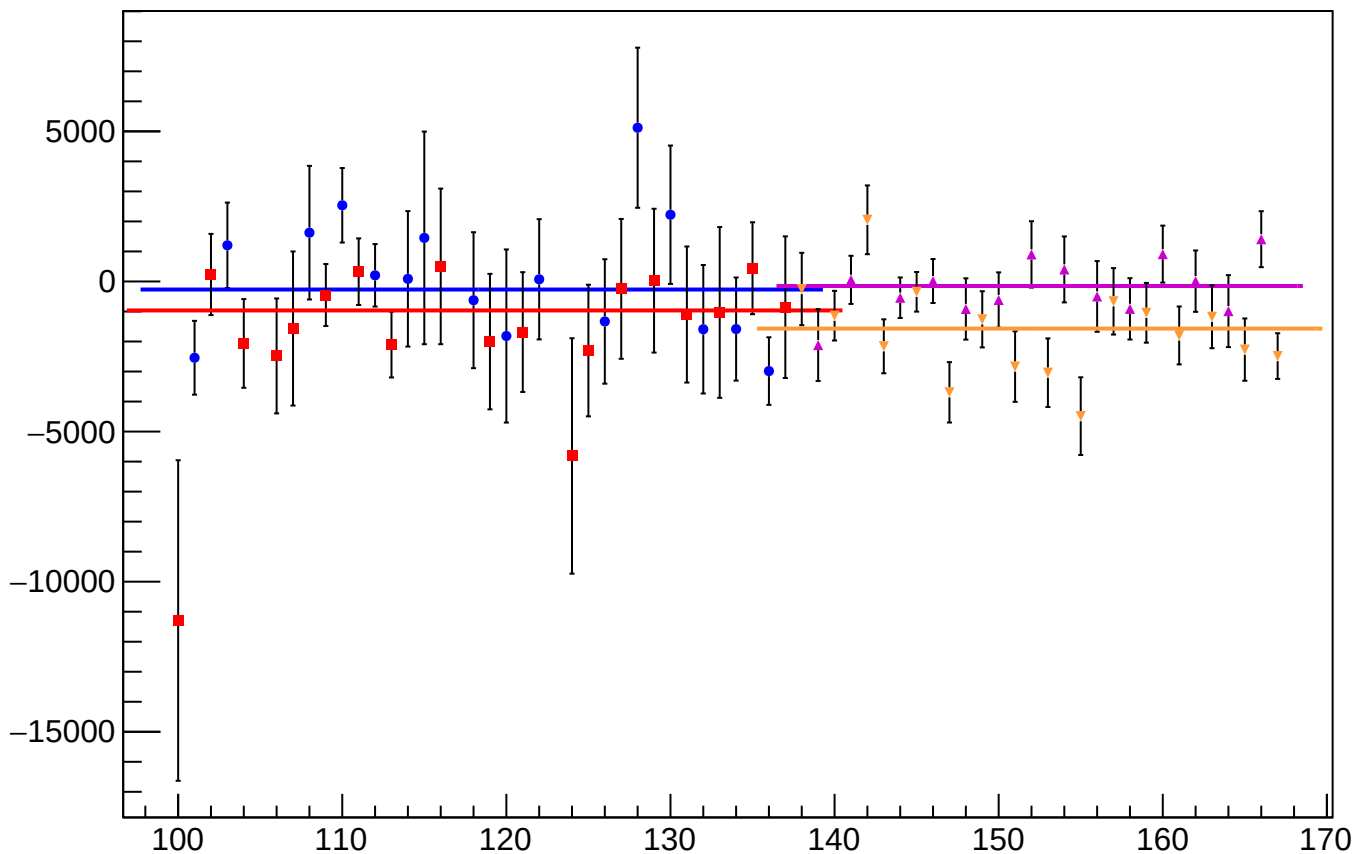
Left In: 91.339 $\pm$ 0.019 χ^2 /NDF: 209700.7/13

+ sign 91.127 $\pm$ 0.015 χ^2 /NDF: 805634.5/31

All: 90.942 $\pm$ 0.011 χ^2 /NDF: 1764952.1/64

- sign 90.748 $\pm$ 0.015 χ^2 /NDF: 958992.3/32

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -268.506 $\pm$ 419.581 χ^2 /NDF: 23.4/15

Left Out: -1569.535 $\pm$ 241.582 χ^2 /NDF:30.9/15

Right Out: -964.986 $\pm$ 401.633 χ^2 /NDF: 12.1/18

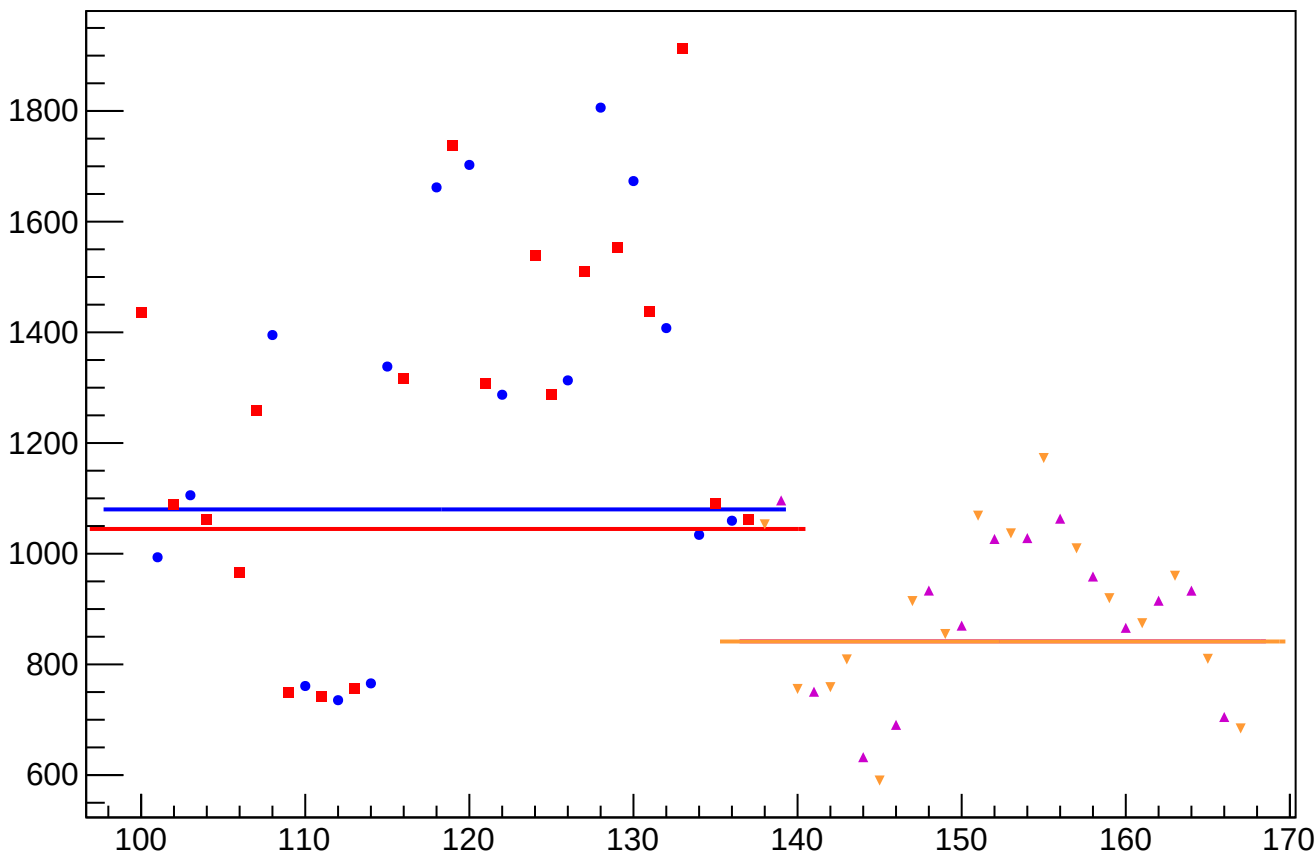
Left In: -151.206 $\pm$ 252.437 χ^2 /NDF:10.3/13

+ sign -1245.613 $\pm$ 209.359 χ^2 /NDF: 61.5/31

All: -822.550 $\pm$ 149.560 χ^2 /NDF: 95.3/64

- sign -381.651 $\pm$ 213.727 χ^2 /NDF: 25.4/32

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF : 835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

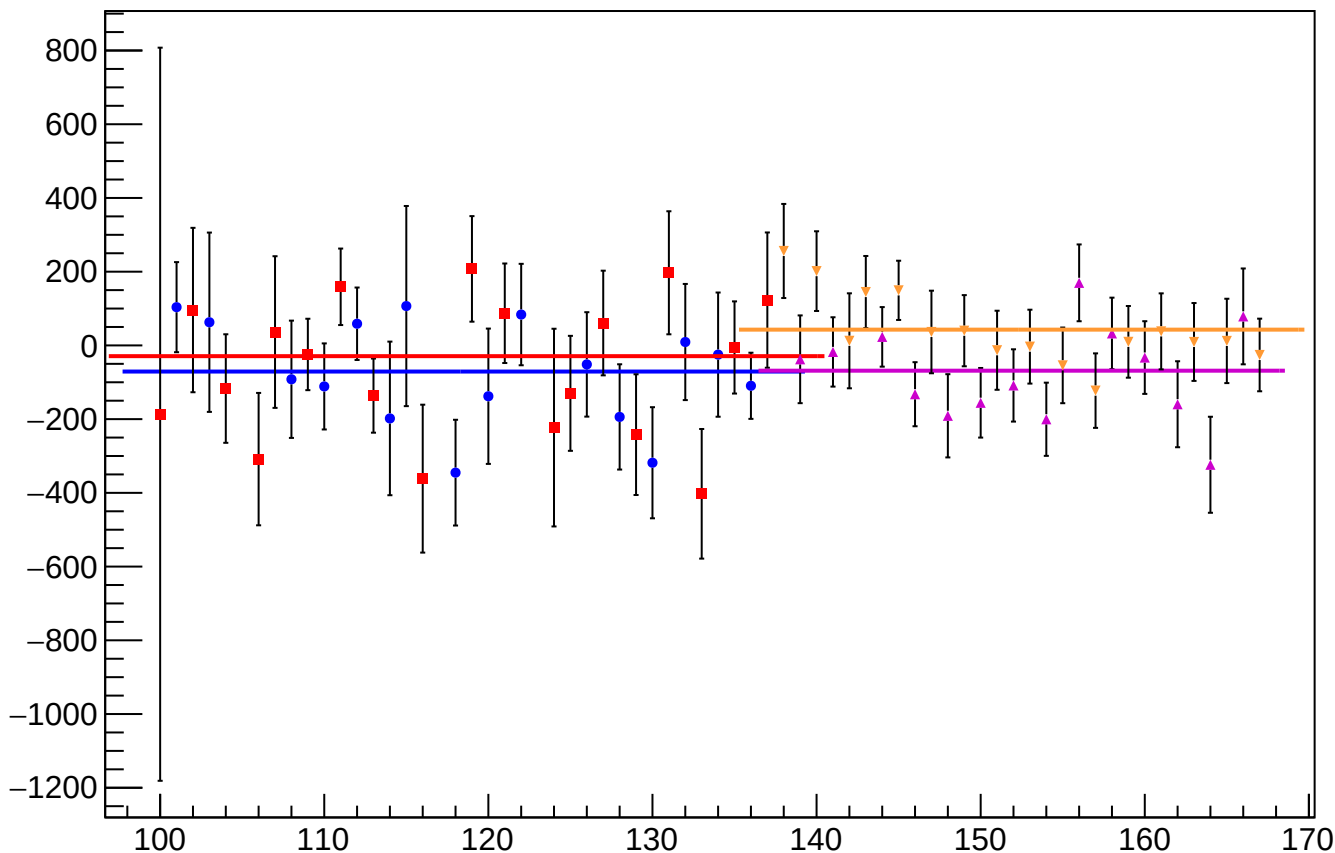
Left In: 841.704+/-0.179 χ^2/NDF : 688447.3/13

+ sign 900.813+/-0.148 χ^2/NDF : 2374872.7/31

All: 900.020+/-0.106 χ^2/NDF : 4631496.3/64

- sign 899.193+/-0.151 χ^2/NDF : 2256564.9/32

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903±/35.122 χ^2/NDF : 14.1/15

Left Out: 42.765±/25.804 χ^2/NDF :12.7/15

Right Out: -29.159±/34.247 χ^2/NDF : 24.0/18

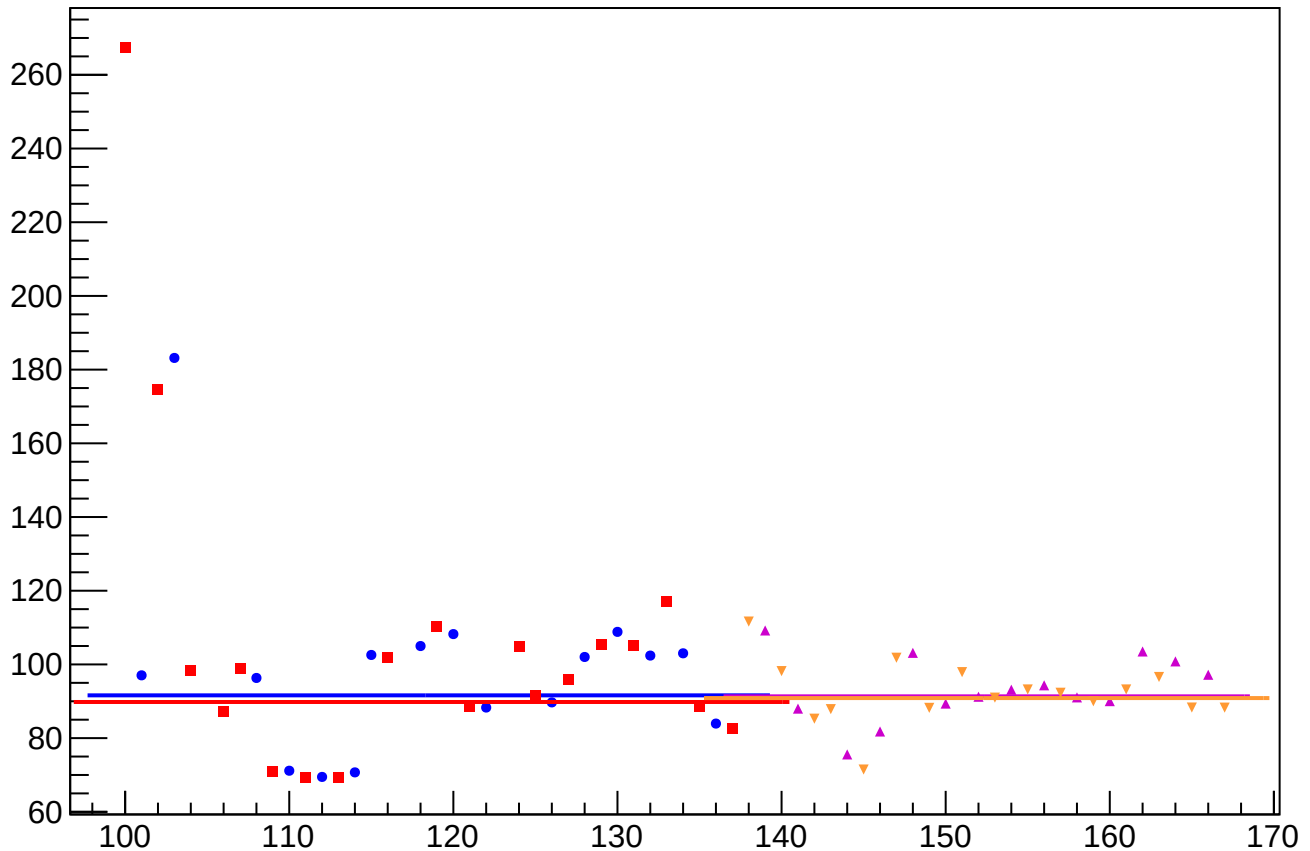
Left In: -68.586±/27.133 χ^2/NDF :18.3/13

+ sign 2.919±/20.795 χ^2/NDF : 33.5/31

All: -24.599±/14.868 χ^2/NDF : 80.2/64

- sign -53.381±/21.267 χ^2/NDF : 43.1/32

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580675.9/15

Left Out: 90.868 $\pm$ 0.018 χ^2 /NDF: 224382.1/15

Right Out: 89.807 $\pm$ 0.024 χ^2 /NDF: 746833.4/18

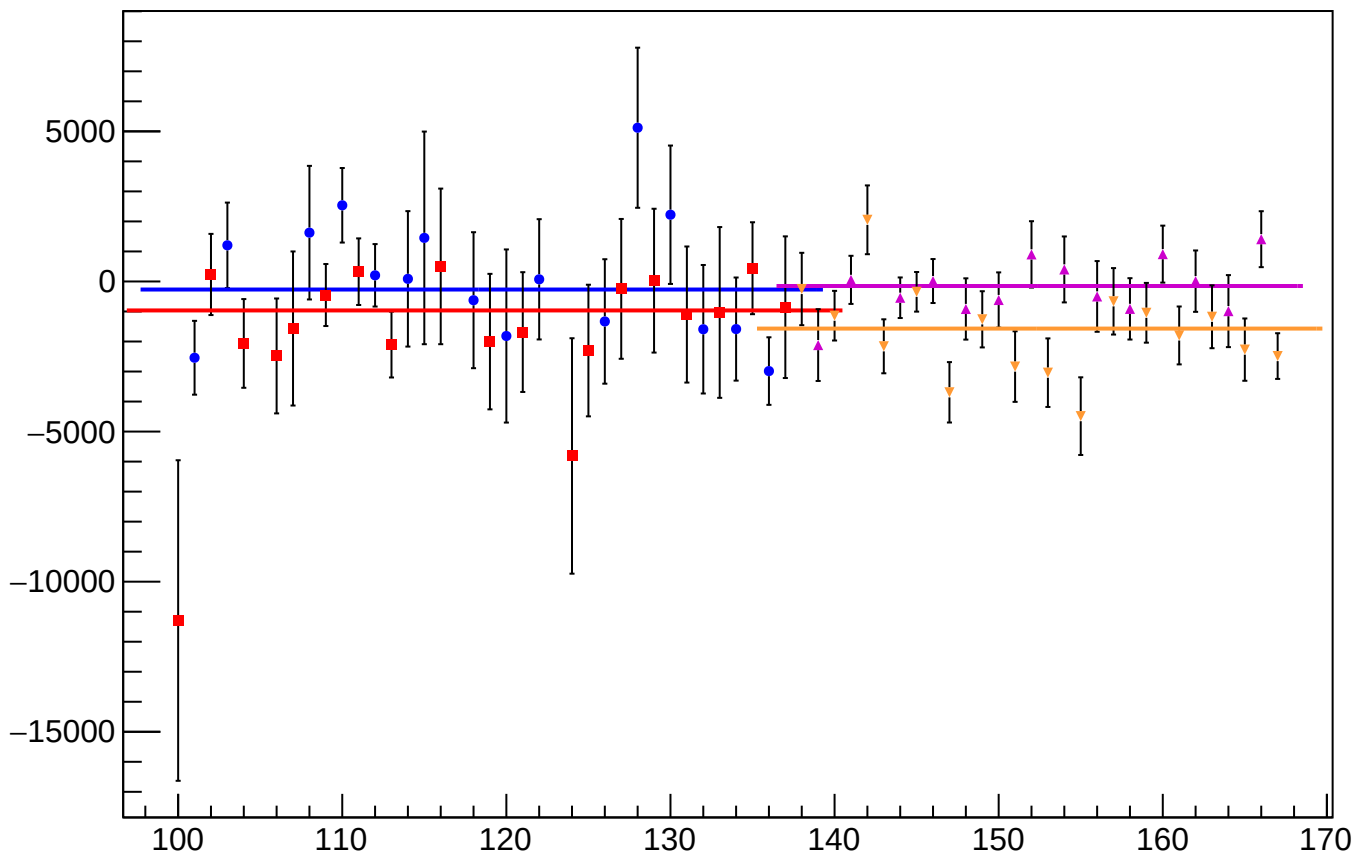
Left In: 91.339 $\pm$ 0.019 χ^2 /NDF: 209700.7/13

+ sign 91.127 $\pm$ 0.015 χ^2 /NDF: 805634.5/31

All: 90.942 $\pm$ 0.011 χ^2 /NDF: 1764952.1/64

- sign 90.748 $\pm$ 0.015 χ^2 /NDF: 958992.3/32

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -268.506 $\pm$ 419.581 χ^2 /NDF: 23.4/15

Left Out: -1569.535 $\pm$ 241.582 χ^2 /NDF:30.9/15

Right Out: -964.986 $\pm$ 401.633 χ^2 /NDF: 12.1/18

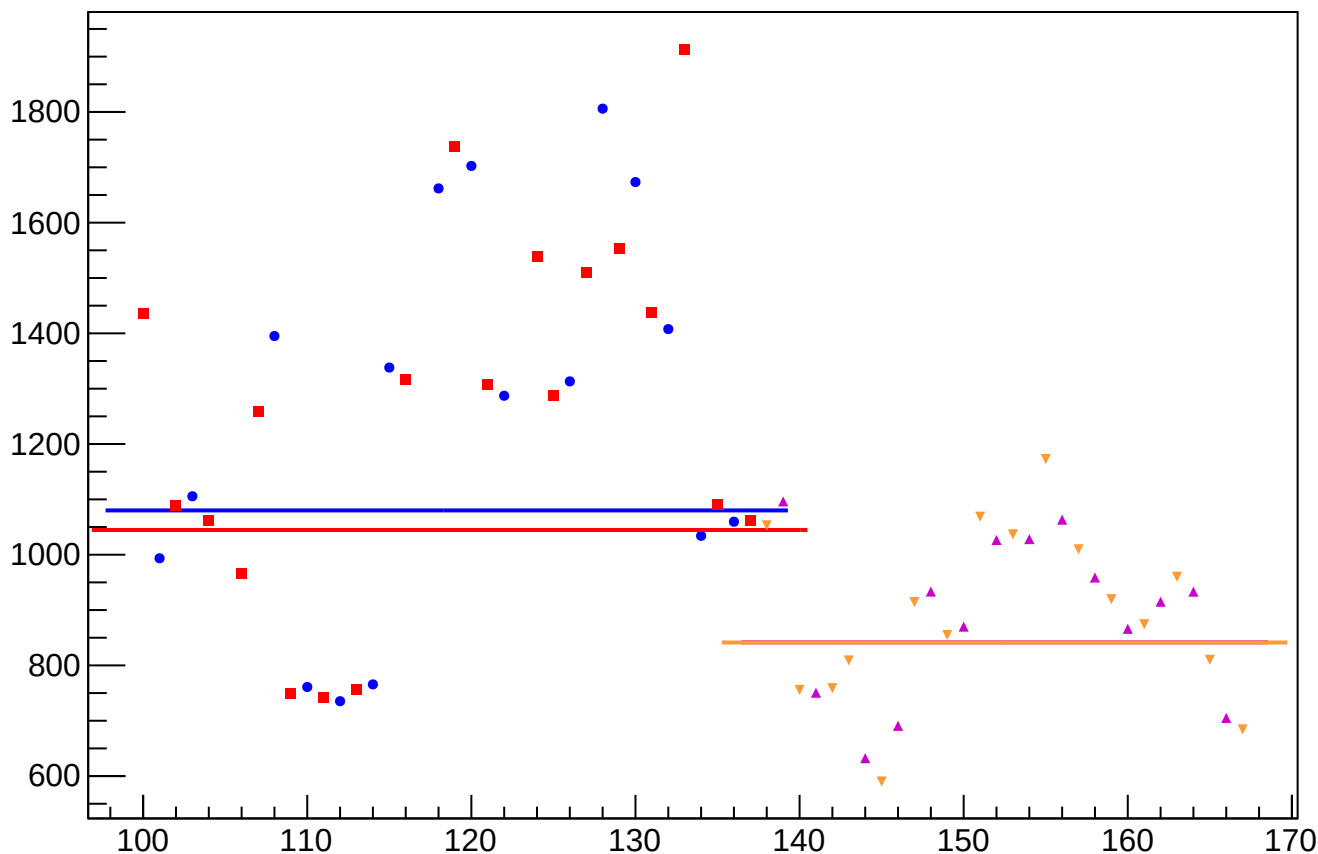
Left In: -151.206 $\pm$ 252.437 χ^2 /NDF:10.3/13

+ sign -1245.613 $\pm$ 209.359 χ^2 /NDF: 61.5/31

All: -822.550 $\pm$ 149.560 χ^2 /NDF: 95.3/64

- sign -381.651 $\pm$ 213.727 χ^2 /NDF: 25.4/32

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF : 835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

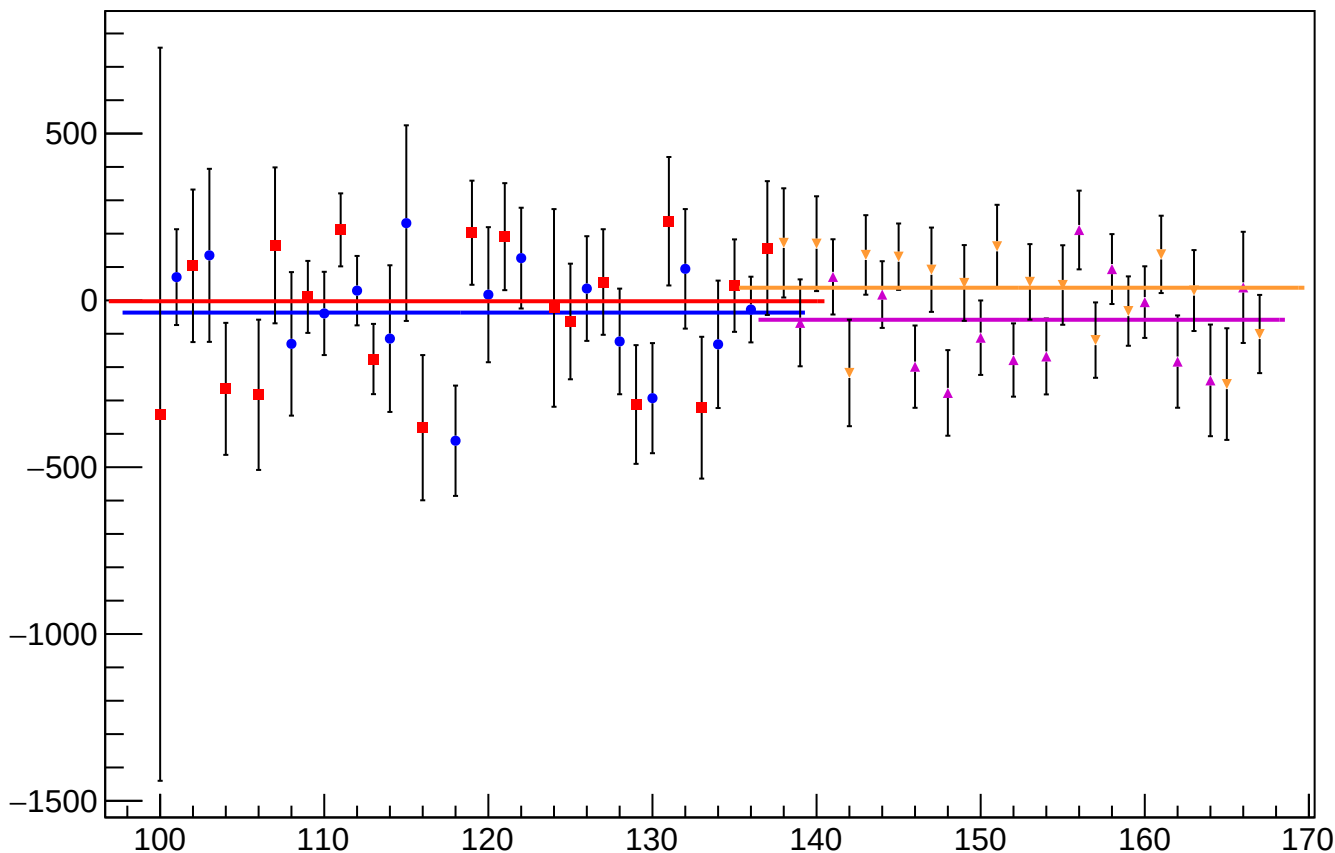
Left In: 841.704+/-0.179 χ^2/NDF : 688447.3/13

+ sign 900.813+/-0.148 χ^2/NDF : 2374872.7/31

All: 900.020+/-0.106 χ^2/NDF : 4631496.3/64

- sign 899.193+/-0.151 χ^2/NDF : 2256564.9/32

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 37.912 ± 30.536 χ^2/NDF : 14.4/15

Right Out: -2.568 ± 38.165 χ^2/NDF : 24.7/18

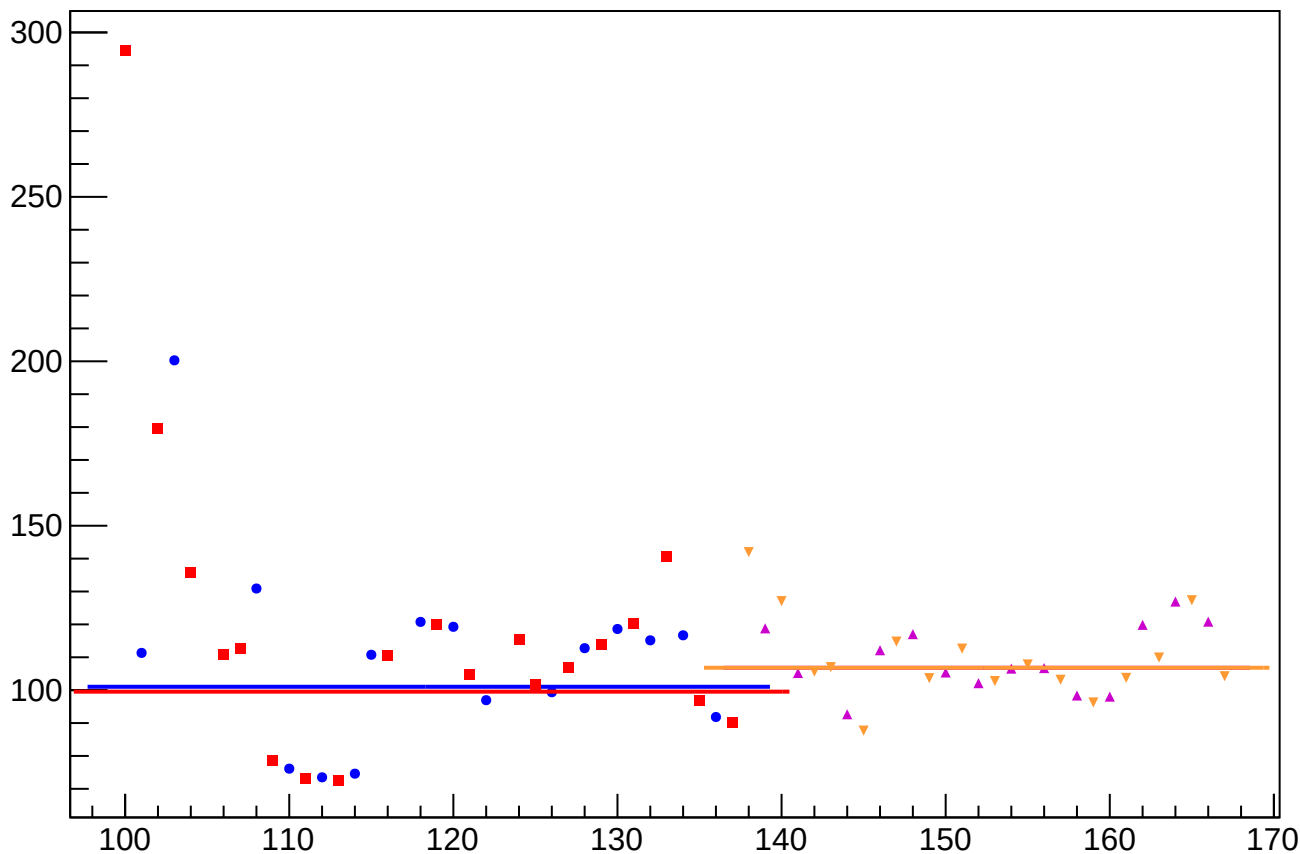
Left In: -58.099 ± 31.971 χ^2/NDF : 18.4/13

+ sign 9.589 ± 24.041 χ^2/NDF : 29.5/31

All: -12.374 ± 17.162 χ^2/NDF : 75.6/64

- sign -35.199 ± 24.508 χ^2/NDF : 44.3/32

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF : 716095.9/15

Left Out: 106.818+/-0.022 χ^2/NDF : 279959.7/15

Right Out: 99.547+/-0.027 χ^2/NDF : 880497.8/18

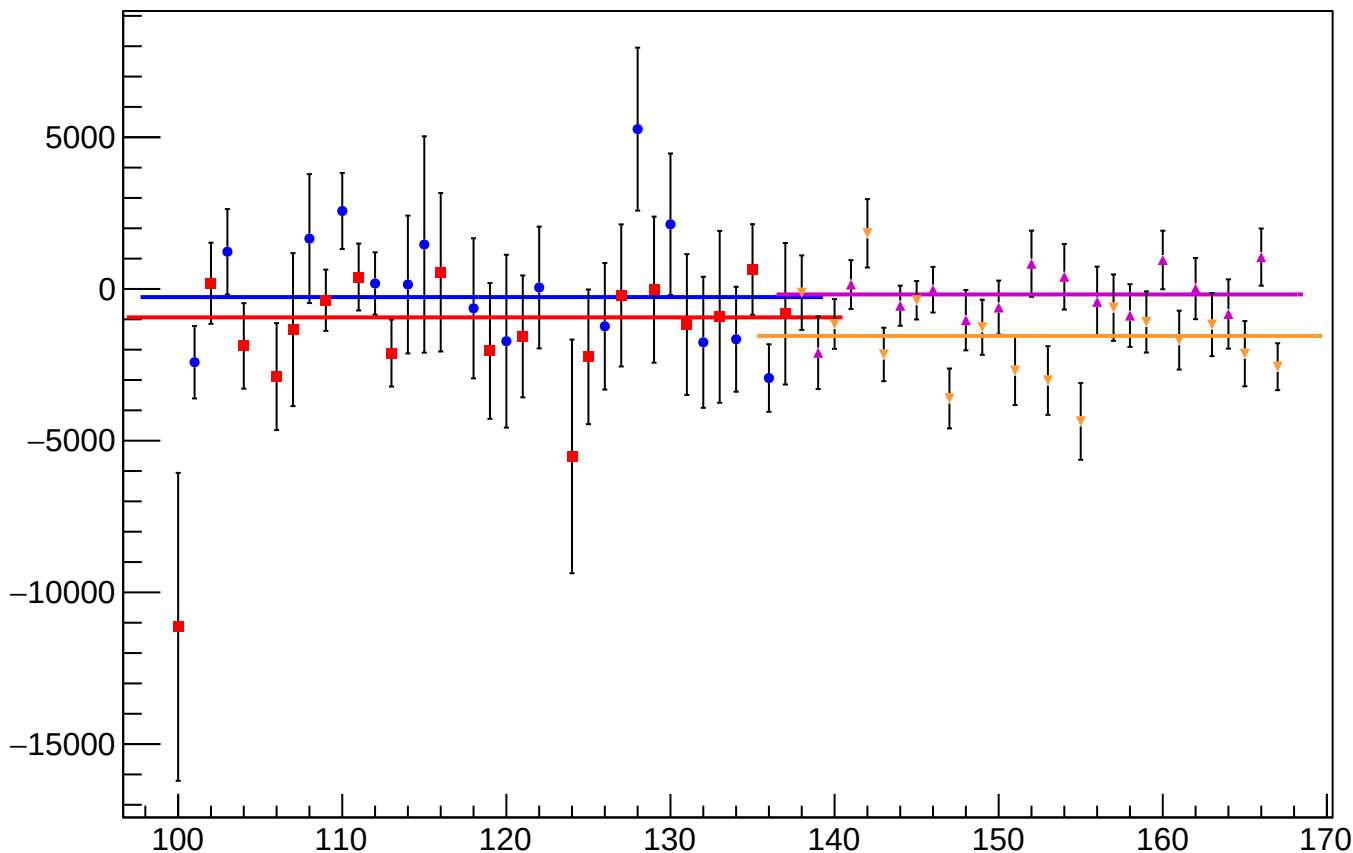
Left In: 106.798+/-0.023 χ^2/NDF : 164986.3/13

+ sign 104.618+/-0.017 χ^2/NDF : 1023362.0/31

All: 104.221+/-0.012 χ^2/NDF : 2112382.6/64

- sign 103.808+/-0.017 χ^2/NDF : 1087907.0/32

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886 ± 417.061 $\chi^2/\text{NDF}: 23.5/15$

Left Out: -1548.456 ± 239.178 $\chi^2/\text{NDF}: 29.7/15$

Right Out: -936.734 ± 396.234 $\chi^2/\text{NDF}: 13.1/18$

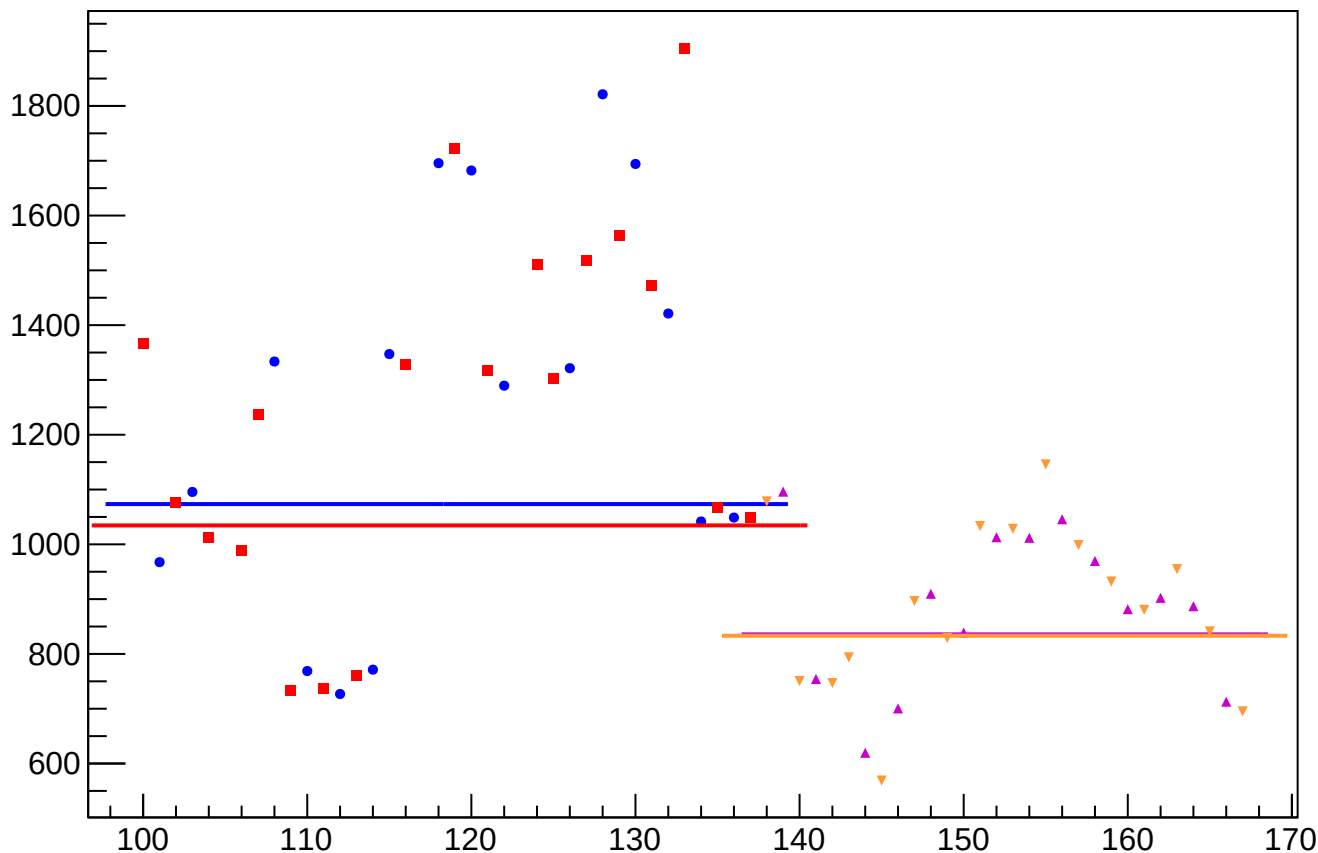
Left In: -180.314 ± 250.631 $\chi^2/\text{NDF}: 9.2/13$

+ sign -1231.529 ± 207.481 $\chi^2/\text{NDF}: 60.3/31$

All: -822.629 ± 148.220 $\chi^2/\text{NDF}: 93.1/64$

- sign -396.471 ± 211.814 $\chi^2/\text{NDF}: 24.9/32$

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF : 1077055.9/15

Left Out: 833.152+/-0.169 χ^2/NDF : 876242.5/15

Right Out: 1034.535+/-0.280 χ^2/NDF : 1229344.1/18

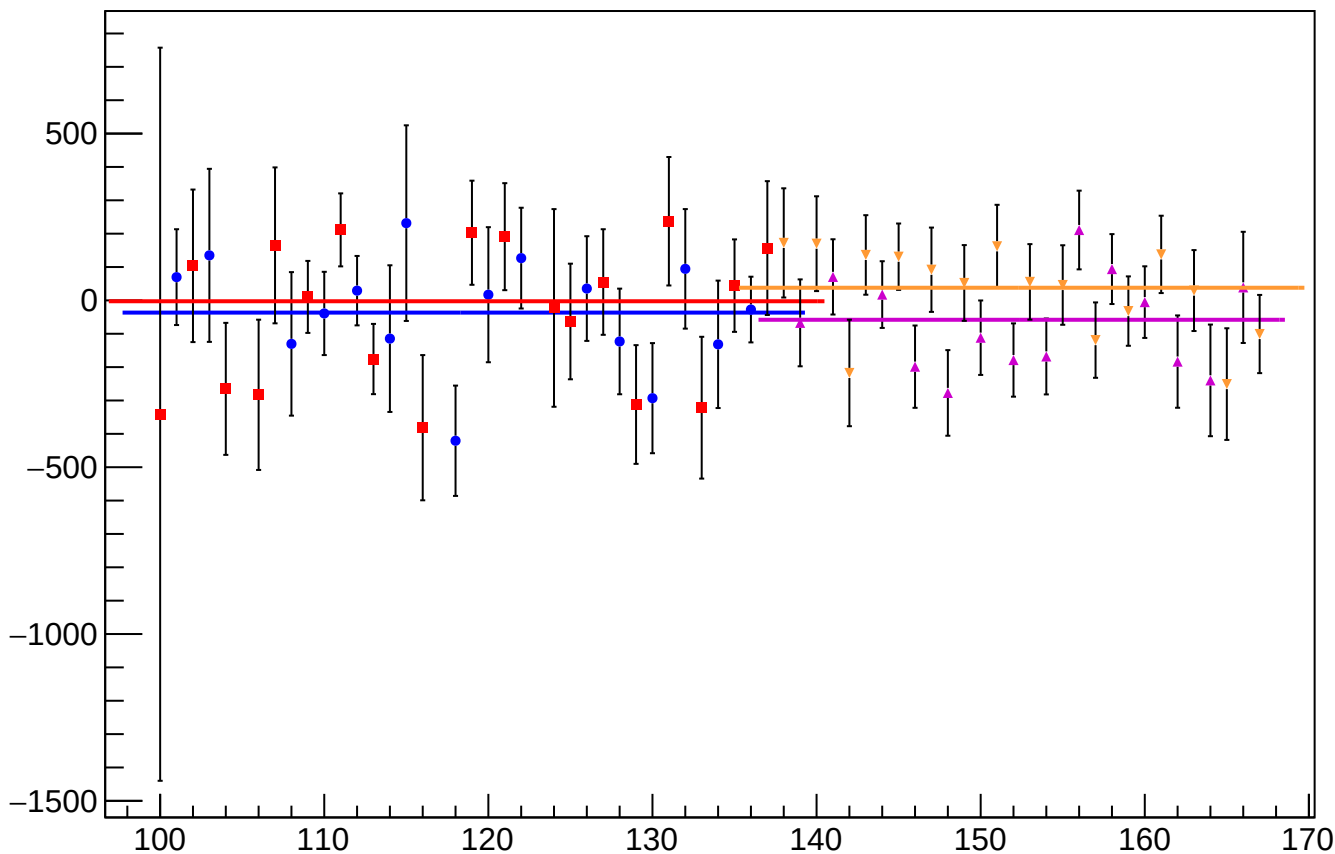
Left In: 835.723+/-0.177 χ^2/NDF : 661662.4/13

+ sign 892.625+/-0.147 χ^2/NDF : 2452944.7/31

All: 892.581+/-0.105 χ^2/NDF : 4703580.6/64

- sign 892.536+/-0.150 χ^2/NDF : 2250635.8/32

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 37.915 ± 30.536 χ^2/NDF : 14.4/15

Right Out: -2.566 ± 38.165 χ^2/NDF : 24.7/18

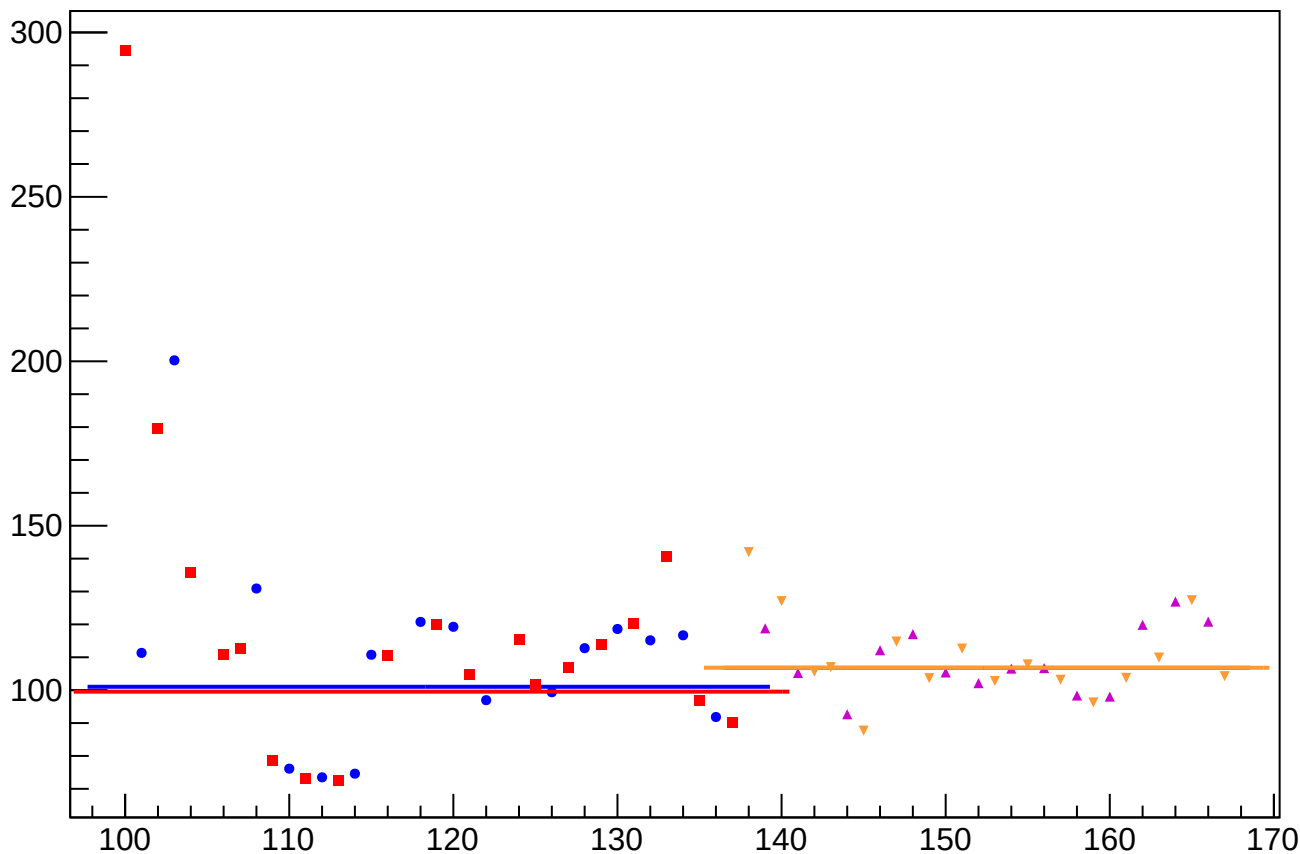
Left In: -58.099 ± 31.971 χ^2/NDF : 18.4/13

+ sign 9.591 ± 24.041 χ^2/NDF : 29.5/31

All: -12.372 ± 17.162 χ^2/NDF : 75.6/64

- sign -35.198 ± 24.508 χ^2/NDF : 44.3/32

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031 ± 0.028 χ^2/NDF : 716094.5/15

Left Out: 106.818 ± 0.022 χ^2/NDF : 279954.6/15

Right Out: 99.547 ± 0.027 χ^2/NDF : 880499.8/18

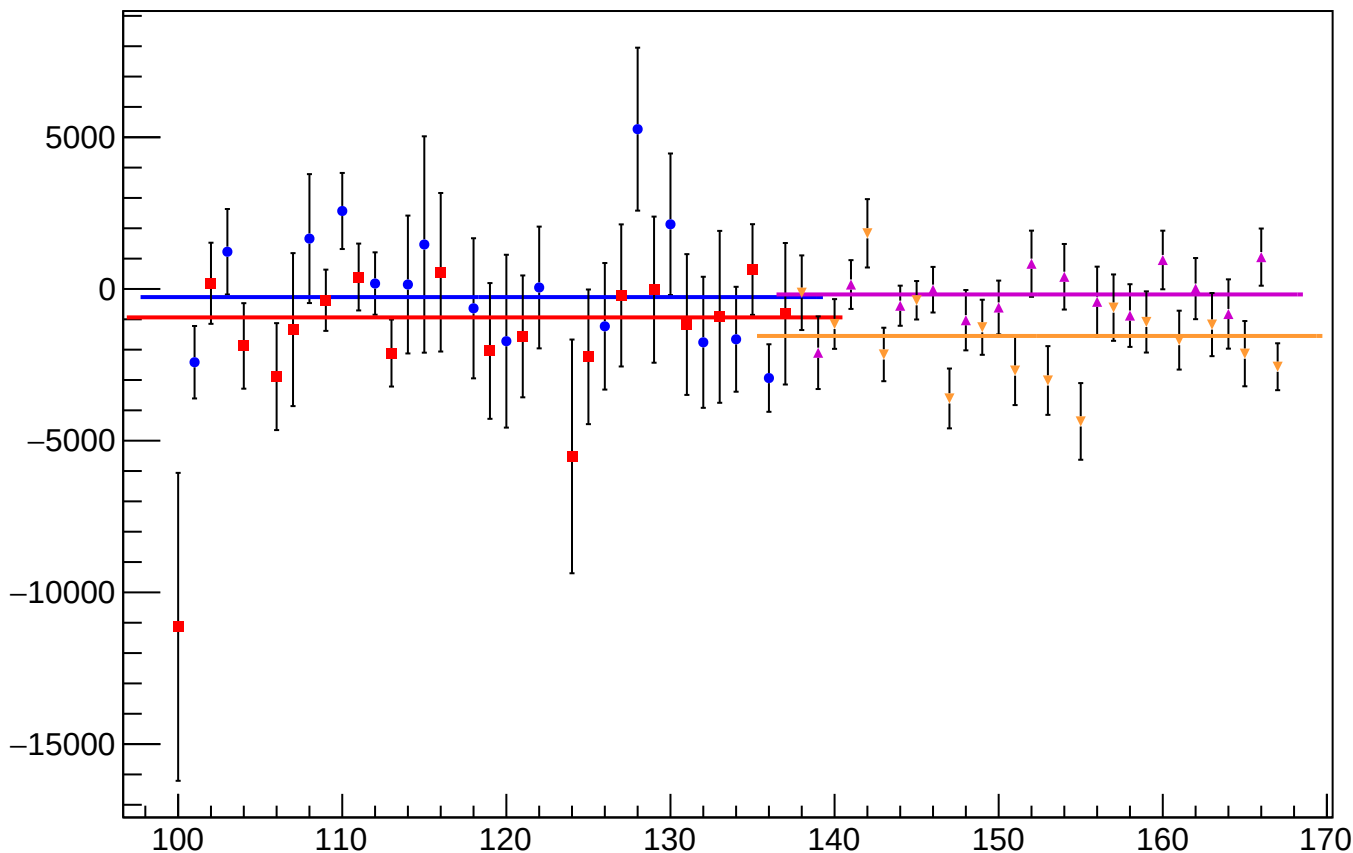
Left In: 106.798 ± 0.023 χ^2/NDF : 164985.0/13

+ sign 104.618 ± 0.017 χ^2/NDF : 1023357.9/31

All: 104.221 ± 0.012 χ^2/NDF : 2112382.0/64

- sign 103.808 ± 0.017 χ^2/NDF : 1087910.3/32

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -267.885 $\pm$ 417.061 χ^2 /NDF: 23.5/15

Left Out: -1548.454 $\pm$ 239.178 χ^2 /NDF:29.7/15

Right Out: -936.732 $\pm$ 396.234 χ^2 /NDF: 13.1/18

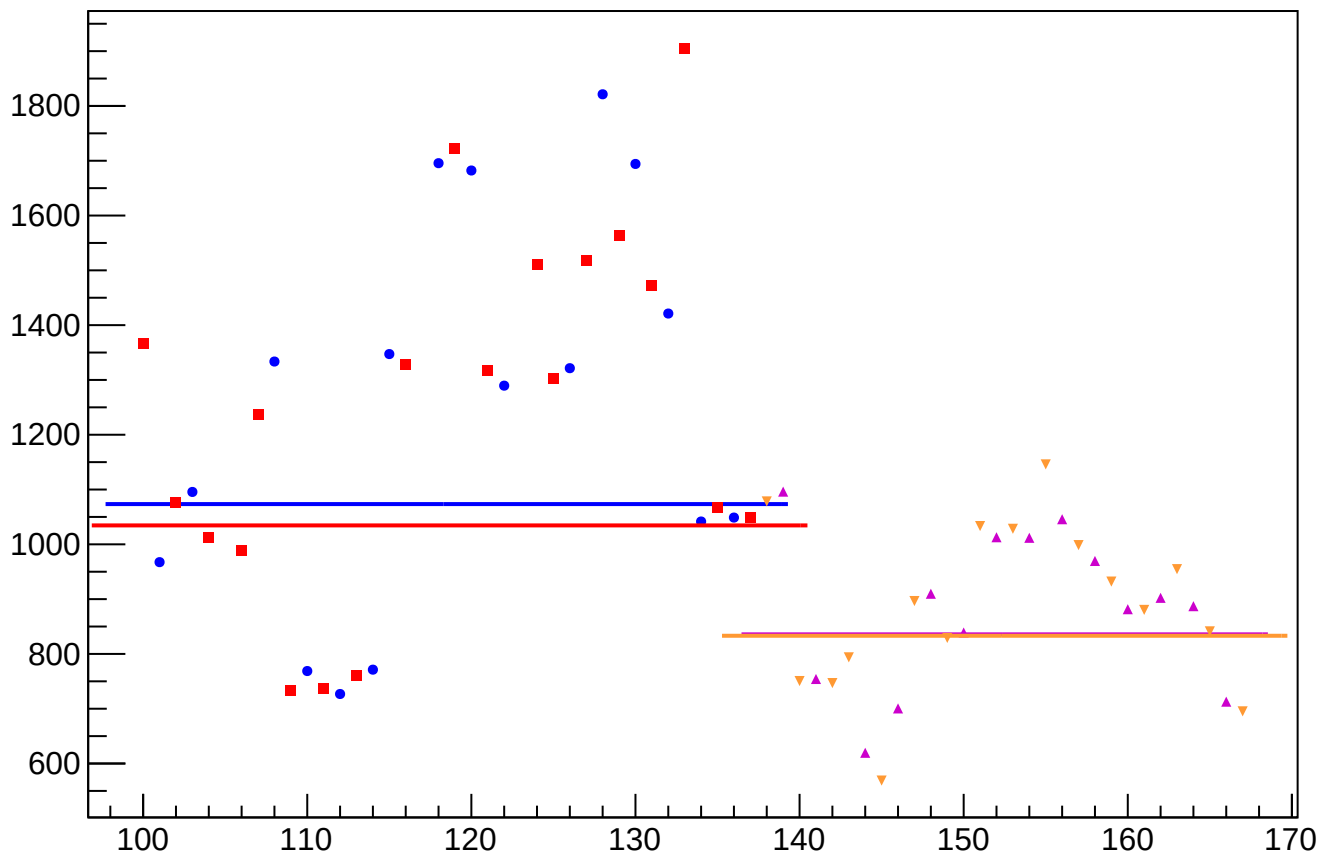
Left In: -180.313 $\pm$ 250.630 χ^2 /NDF:9.2/13

+ sign -1231.527 $\pm$ 207.481 χ^2 /NDF: 60.3/31

All: -822.627 $\pm$ 148.219 χ^2 /NDF: 93.1/64

- sign -396.470 $\pm$ 211.814 χ^2 /NDF: 24.9/32

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1073.454+/-0.295 χ^2/NDF : 1077061.8/15

Left Out: 833.151+/-0.169 χ^2/NDF : 876246.9/15

Right Out: 1034.533+/-0.280 χ^2/NDF : 1229346.7/18

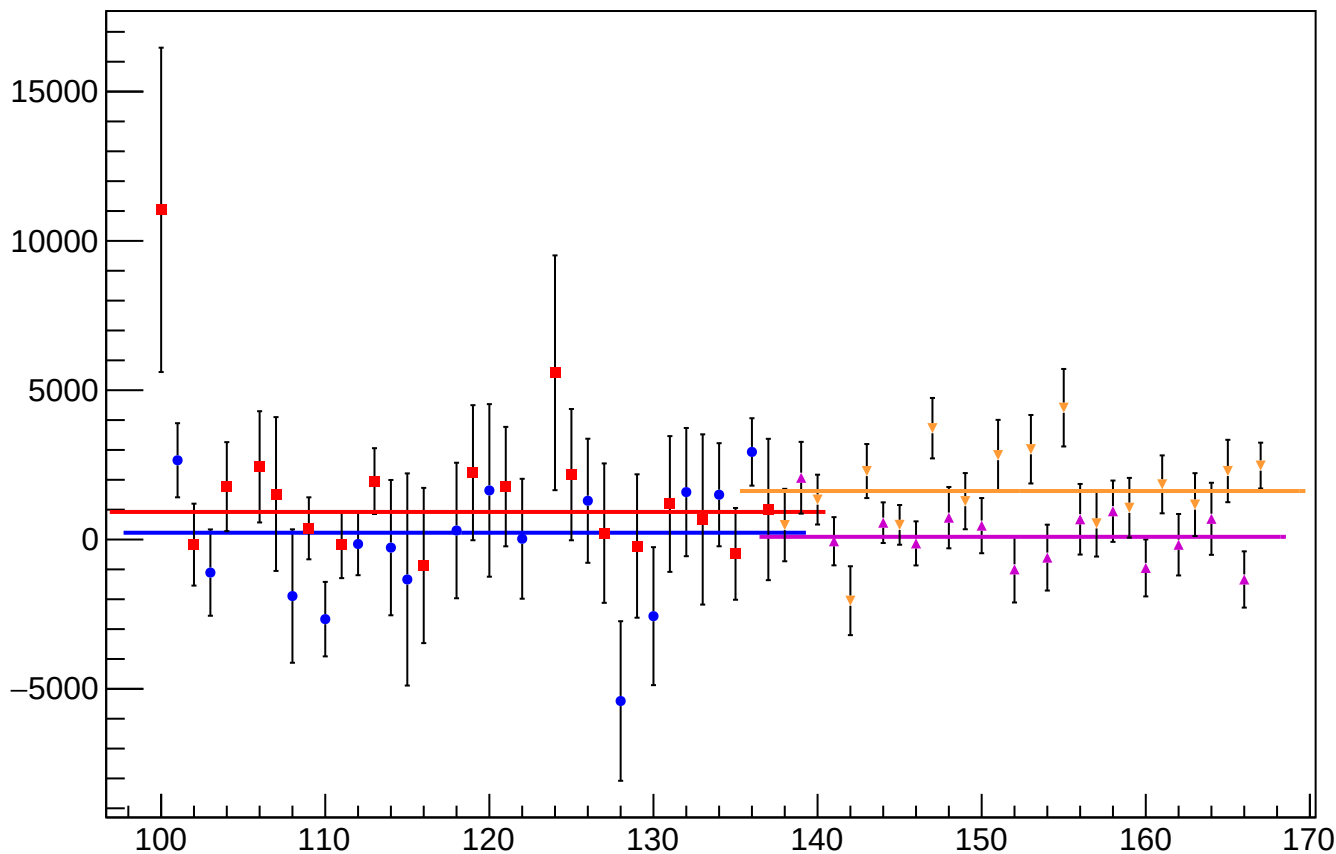
Left In: 835.721+/-0.177 χ^2/NDF : 661661.7/13

+ sign 892.623+/-0.147 χ^2/NDF : 2452954.2/31

All: 892.580+/-0.105 χ^2/NDF : 4703590.7/64

- sign 892.535+/-0.150 χ^2/NDF : 2250636.4/32

asym_sam_3748_avg_mean vs Slug



Right In: 227.502 $\pm$ 421.838 χ^2 /NDF: 24.4/15

Left Out: 1624.667 $\pm$ 243.097 χ^2 /NDF:29.3/15

Right Out: 923.649 $\pm$ 403.102 χ^2 /NDF: 11.2/18

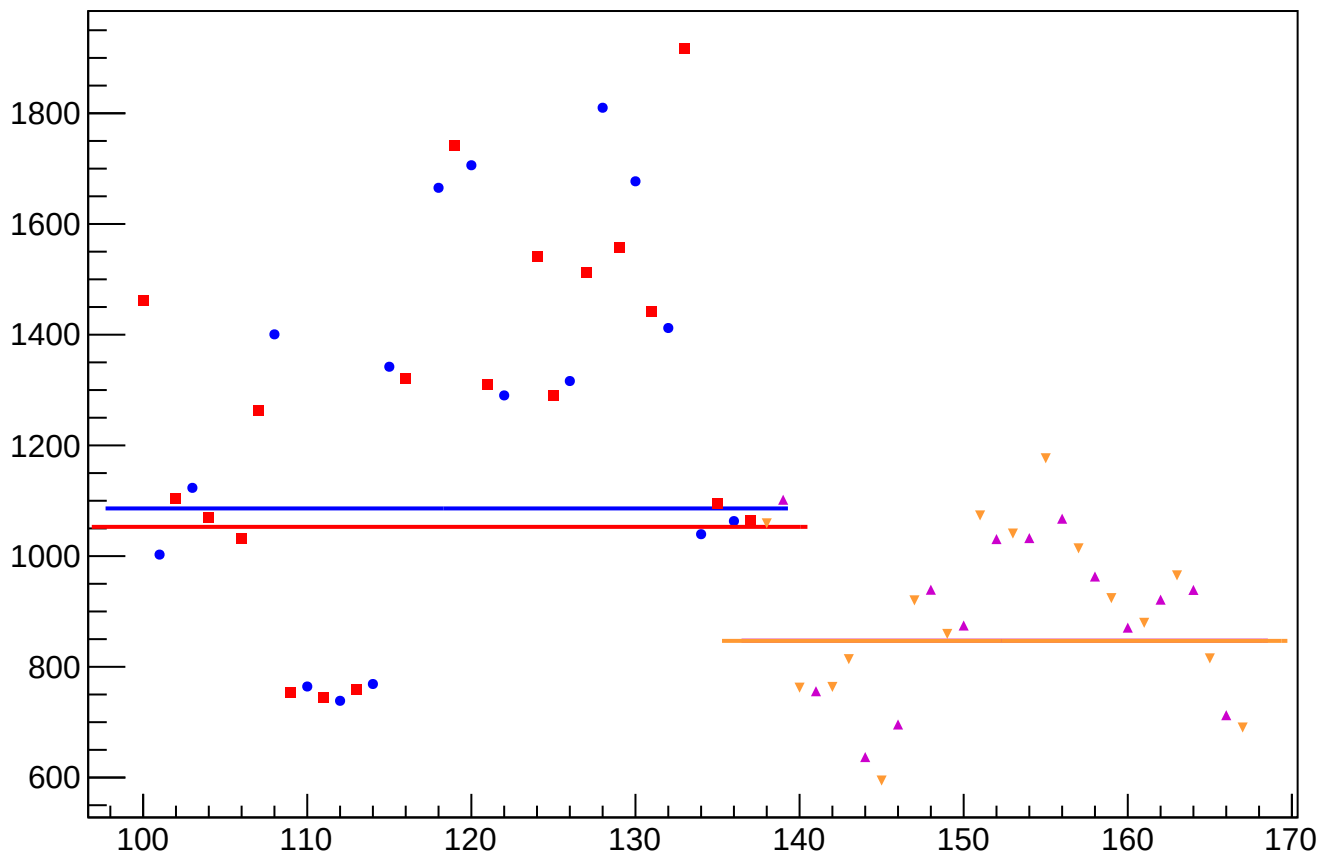
Left In: 90.352 $\pm$ 254.035 χ^2 /NDF:10.0/13

+ sign 1276.347 $\pm$ 210.625 χ^2 /NDF: 62.0/31

All: 811.358 $\pm$ 150.429 χ^2 /NDF: 96.2/64

- sign 327.224 $\pm$ 214.918 χ^2 /NDF: 24.2/32

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF : 1047479.6/15

Left Out: 846.885+/-0.172 χ^2/NDF : 823515.8/15

Right Out: 1052.831+/-0.285 χ^2/NDF : 1194420.8/18

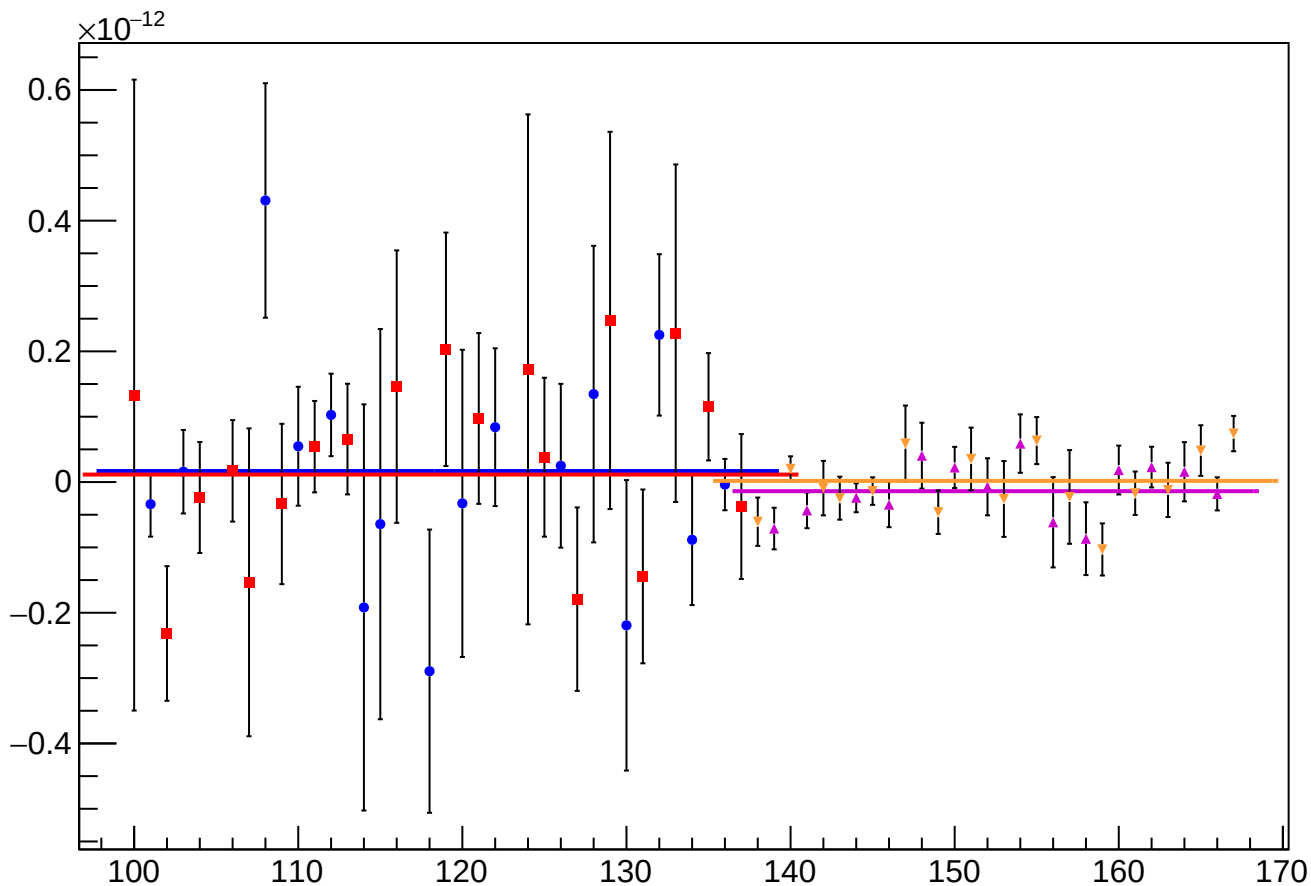
Left In: 847.238+/-0.180 χ^2/NDF : 678375.2/13

+ sign 906.532+/-0.149 χ^2/NDF : 2353959.4/31

All: 906.114+/-0.106 χ^2/NDF : 4599137.9/64

- sign 905.680+/-0.152 χ^2/NDF : 2245162.4/32

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: 27.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/18

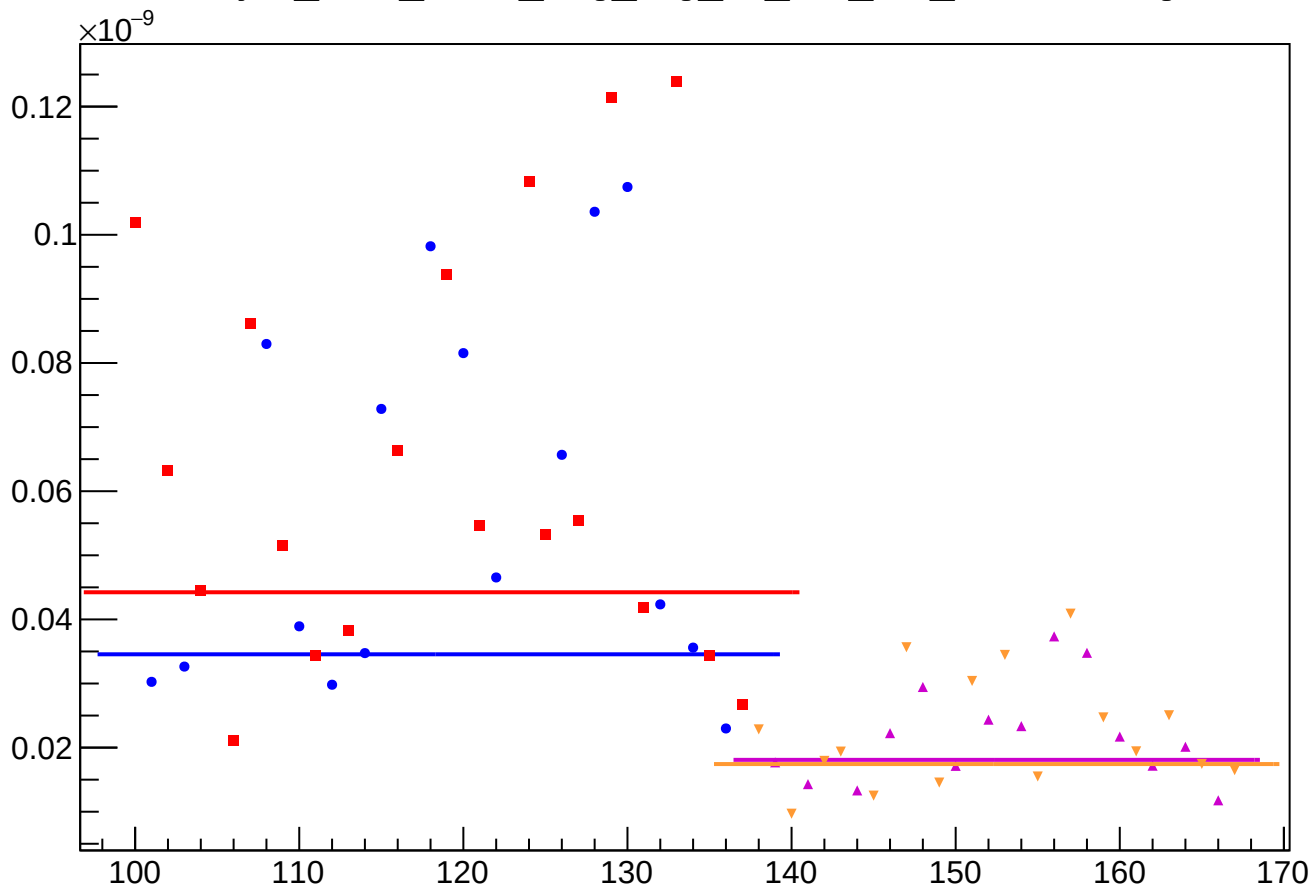
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 78.3/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.5/32

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1188815.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1376988.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1073061.4/18

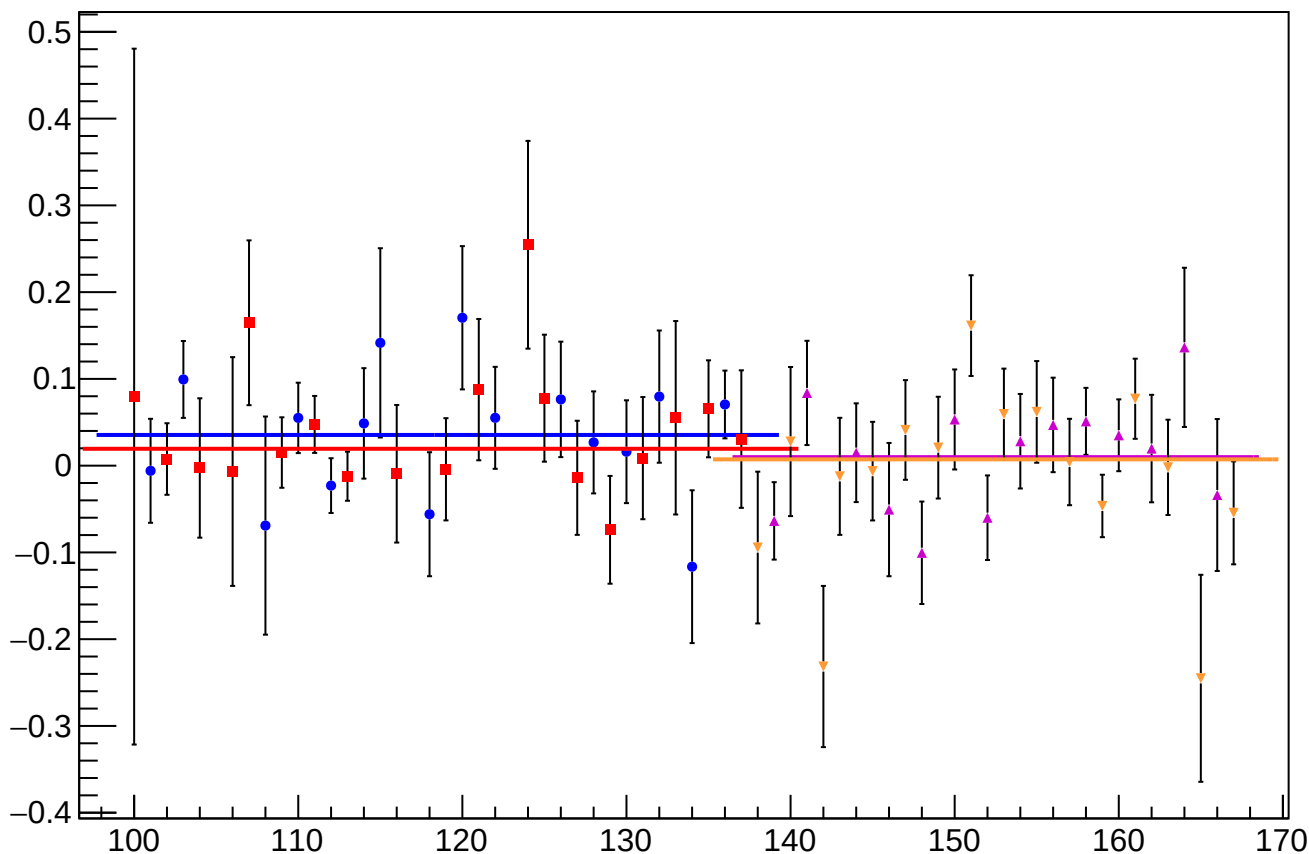
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 817129.2/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3638883.8/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7242979.0/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3584214.7/32

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 ± 0.014 $\chi^2/\text{NDF}: 16.9/15$

Left Out: 0.007 ± 0.014 $\chi^2/\text{NDF}: 27.6/15$

Right Out: 0.019 ± 0.013 $\chi^2/\text{NDF}: 13.4/18$

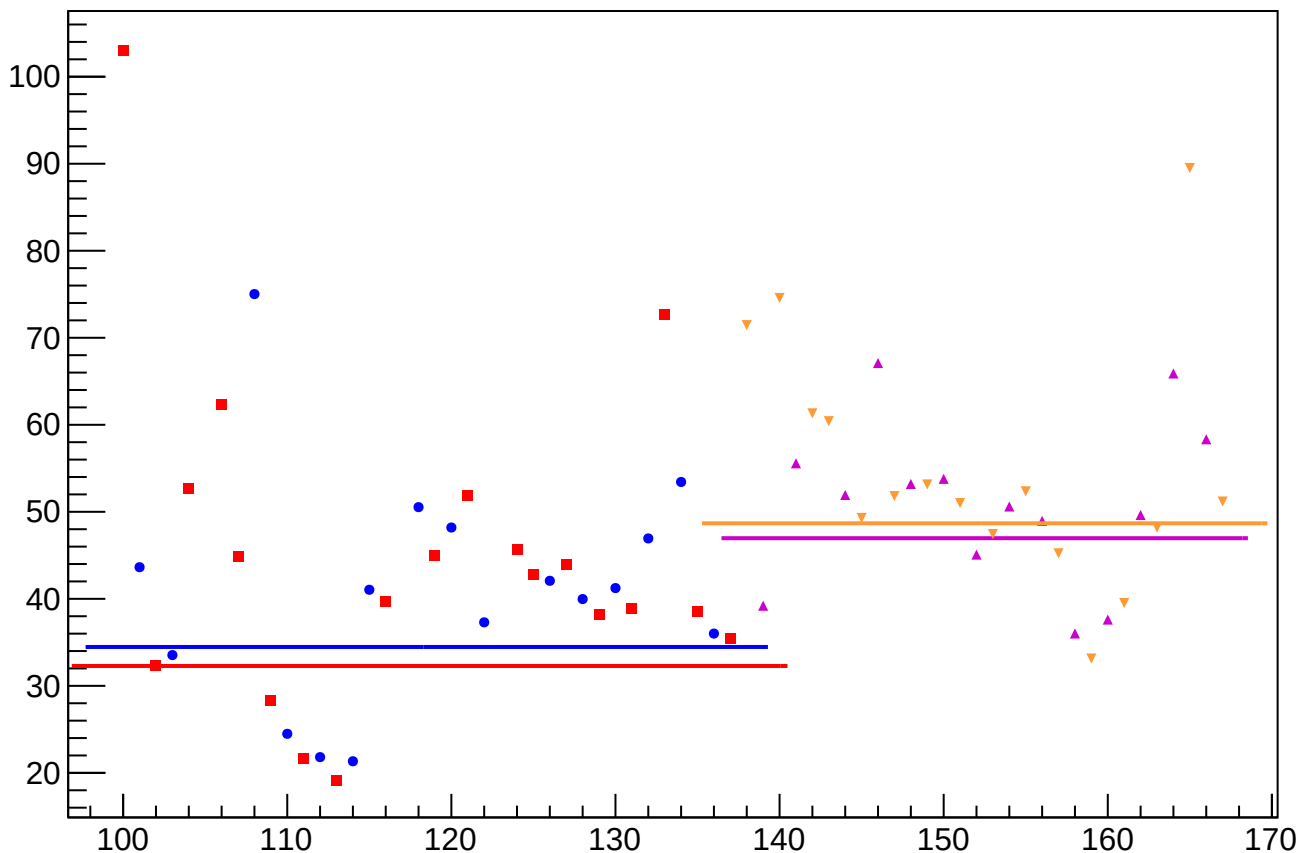
Left In: 0.010 ± 0.015 $\chi^2/\text{NDF}: 15.2/13$

+ sign 0.022 ± 0.010 $\chi^2/\text{NDF}: 46.5/31$

All: 0.018 ± 0.007 $\chi^2/\text{NDF}: 75.6/64$

- sign 0.015 ± 0.010 $\chi^2/\text{NDF}: 28.8/32$

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: 48.679 $\pm$ 0.010 χ^2/NDF : 1143734.6/15

Right Out: 32.285 $\pm$ 0.009 χ^2/NDF : 1672637.0/18

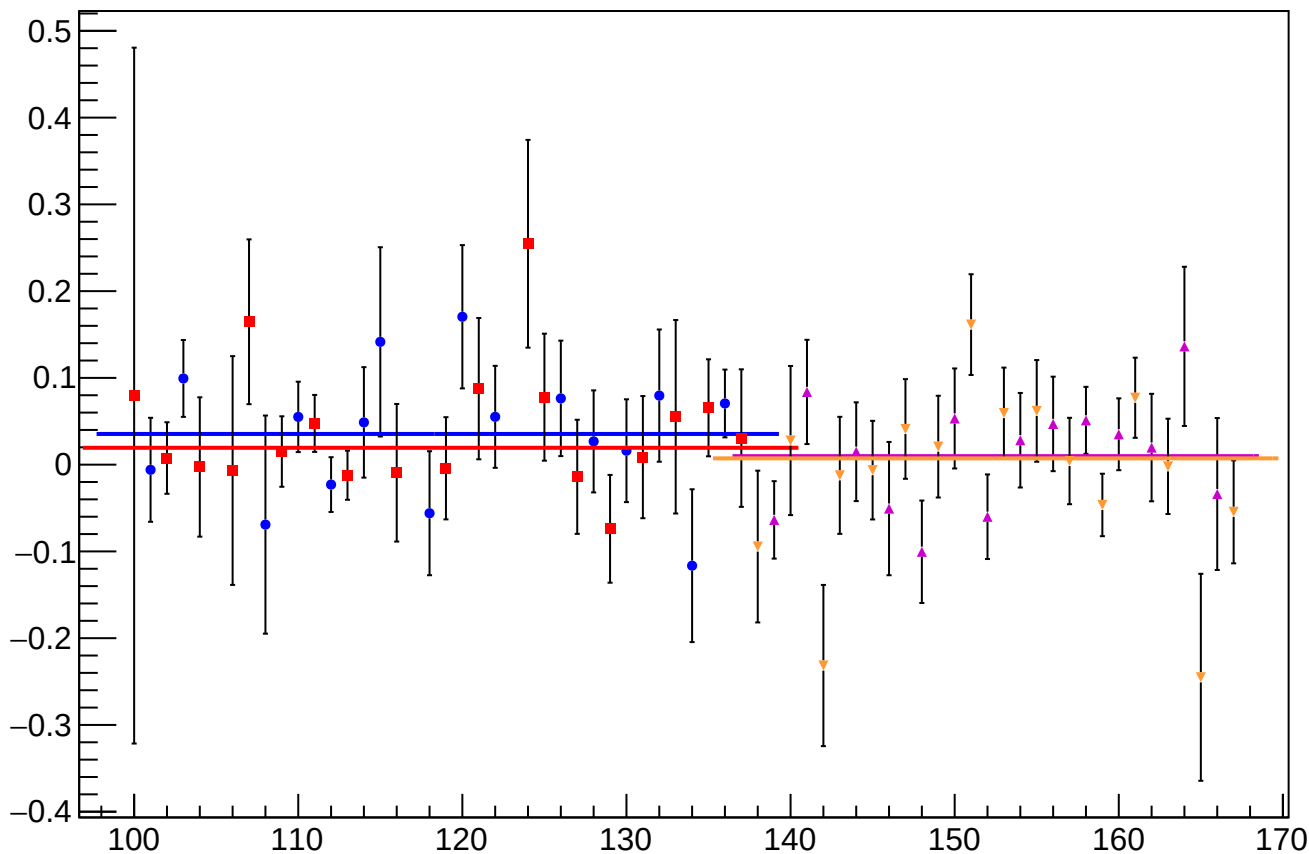
Left In: 46.968 $\pm$ 0.010 χ^2/NDF : 704576.0/13

+ sign 41.293 $\pm$ 0.007 χ^2/NDF : 3320180.1/31

All: 40.042 $\pm$ 0.005 χ^2/NDF : 6878823.9/64

- sign 38.857 $\pm$ 0.007 χ^2/NDF : 3497928.1/32

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 ± 0.014 $\chi^2/\text{NDF}: 16.9/15$

Left Out: 0.007 ± 0.014 $\chi^2/\text{NDF}: 27.6/15$

Right Out: 0.019 ± 0.013 $\chi^2/\text{NDF}: 13.4/18$

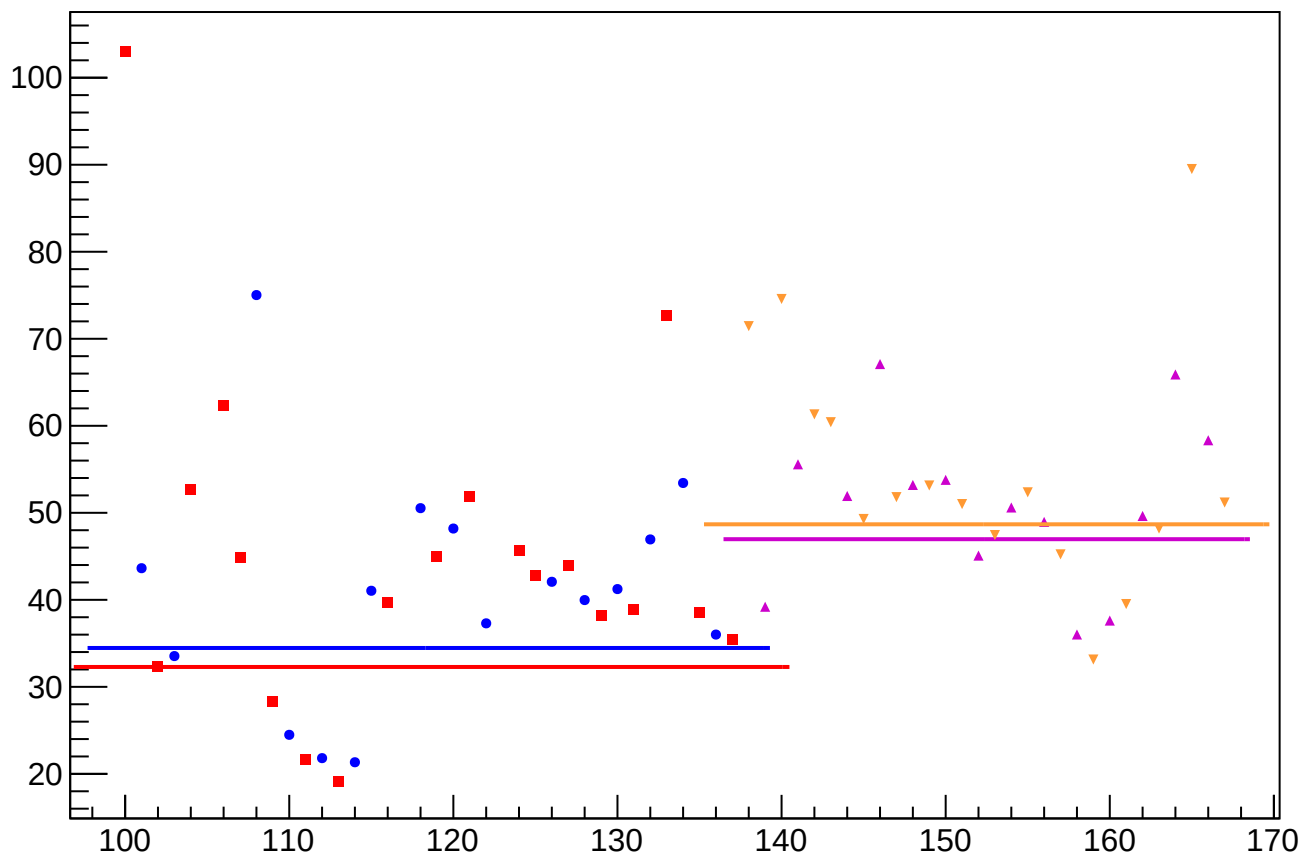
Left In: 0.010 ± 0.015 $\chi^2/\text{NDF}: 15.2/13$

+ sign 0.022 ± 0.010 $\chi^2/\text{NDF}: 46.5/31$

All: 0.018 ± 0.007 $\chi^2/\text{NDF}: 75.6/64$

- sign 0.015 ± 0.010 $\chi^2/\text{NDF}: 28.8/32$

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF : 1171203.3/15

Left Out: 48.679+/-0.010 χ^2/NDF : 1143734.6/15

Right Out: 32.285+/-0.009 χ^2/NDF : 1672637.0/18

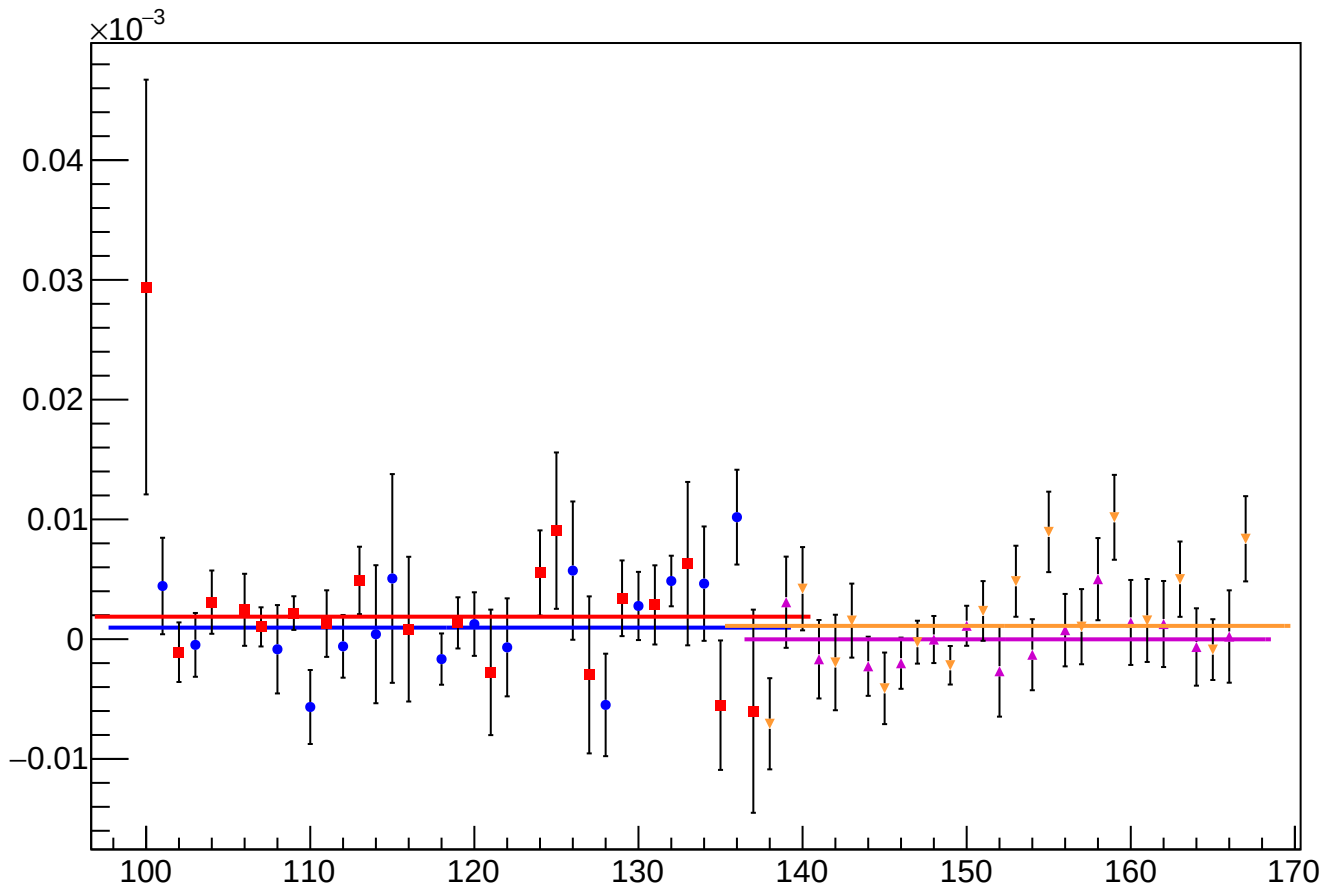
Left In: 46.968+/-0.010 χ^2/NDF : 704576.0/13

+ sign 41.293+/-0.007 χ^2/NDF : 3320180.1/31

All: 40.042+/-0.005 χ^2/NDF : 6878823.9/64

- sign 38.857+/-0.007 χ^2/NDF : 3497928.1/32

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:34.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/18

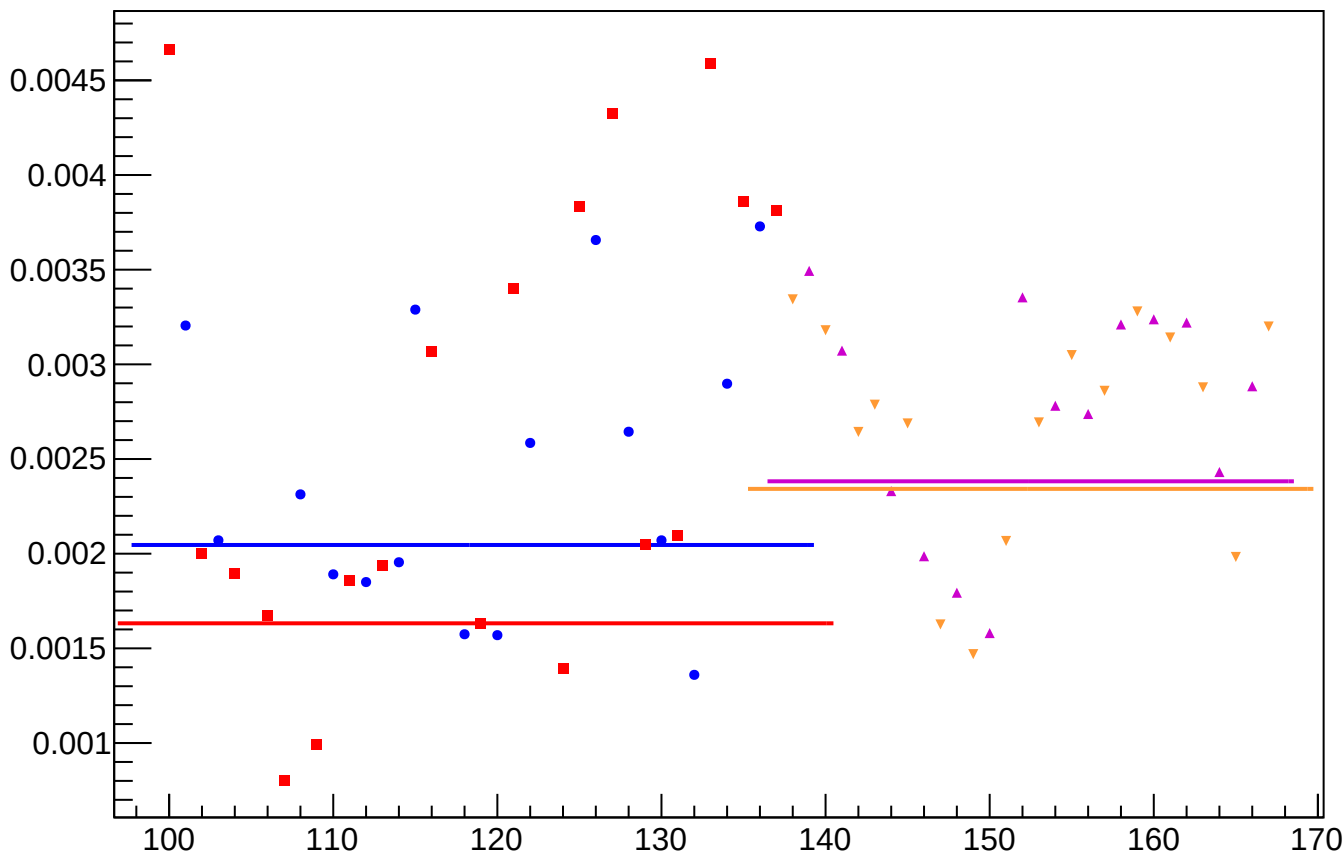
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:6.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.7/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.8/32

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF : 1898916.8/15

Right Out: 0.002+/-0.000 χ^2/NDF : 2928991.9/18

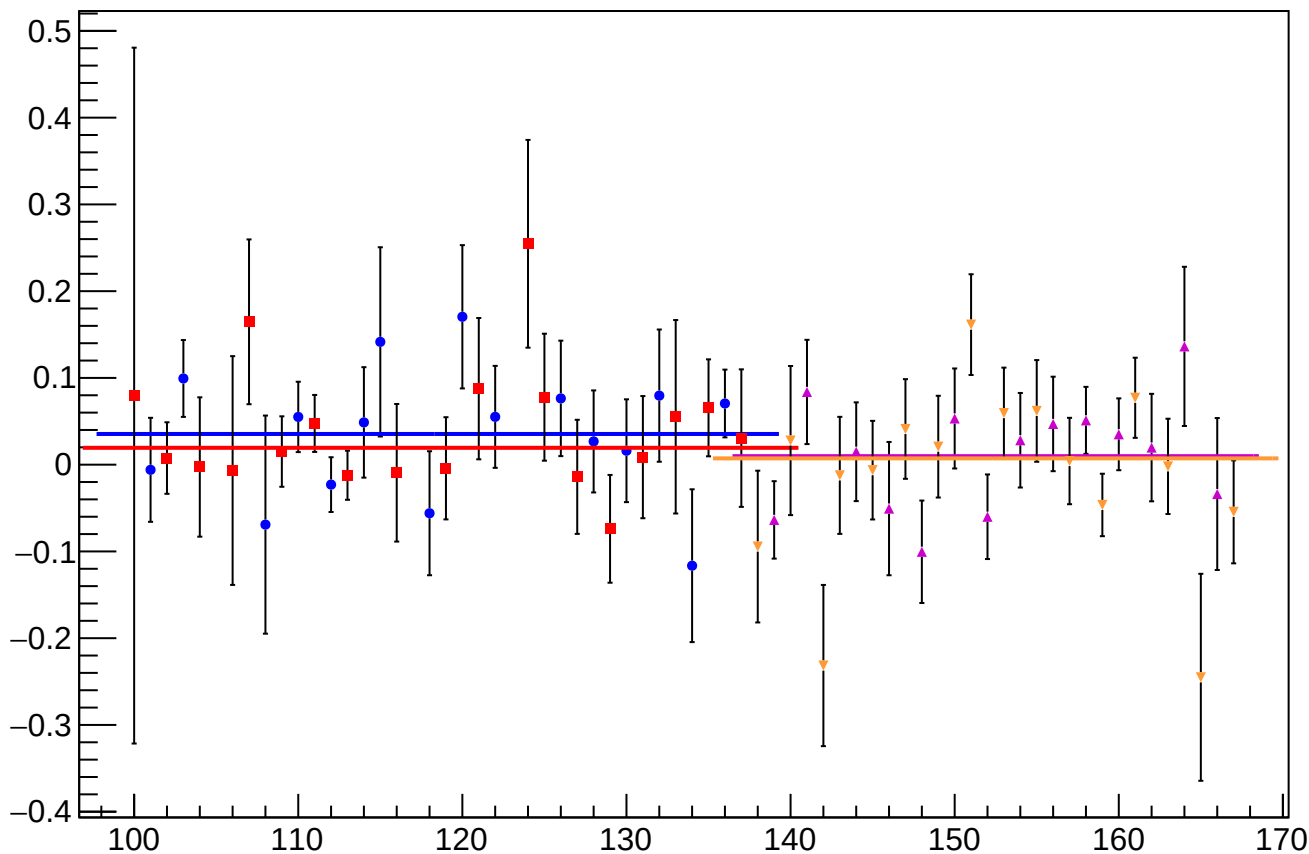
Left In: 0.002+/-0.000 χ^2/NDF : 1539314.8/13

+ sign 0.002+/-0.000 χ^2/NDF : 3314531.4/31

All: 0.002+/-0.000 χ^2/NDF : 9150377.3/64

- sign 0.002+/-0.000 χ^2/NDF : 5608143.7/32

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: 0.007 $\pm$ 0.014 χ^2 /NDF: 27.6/15

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

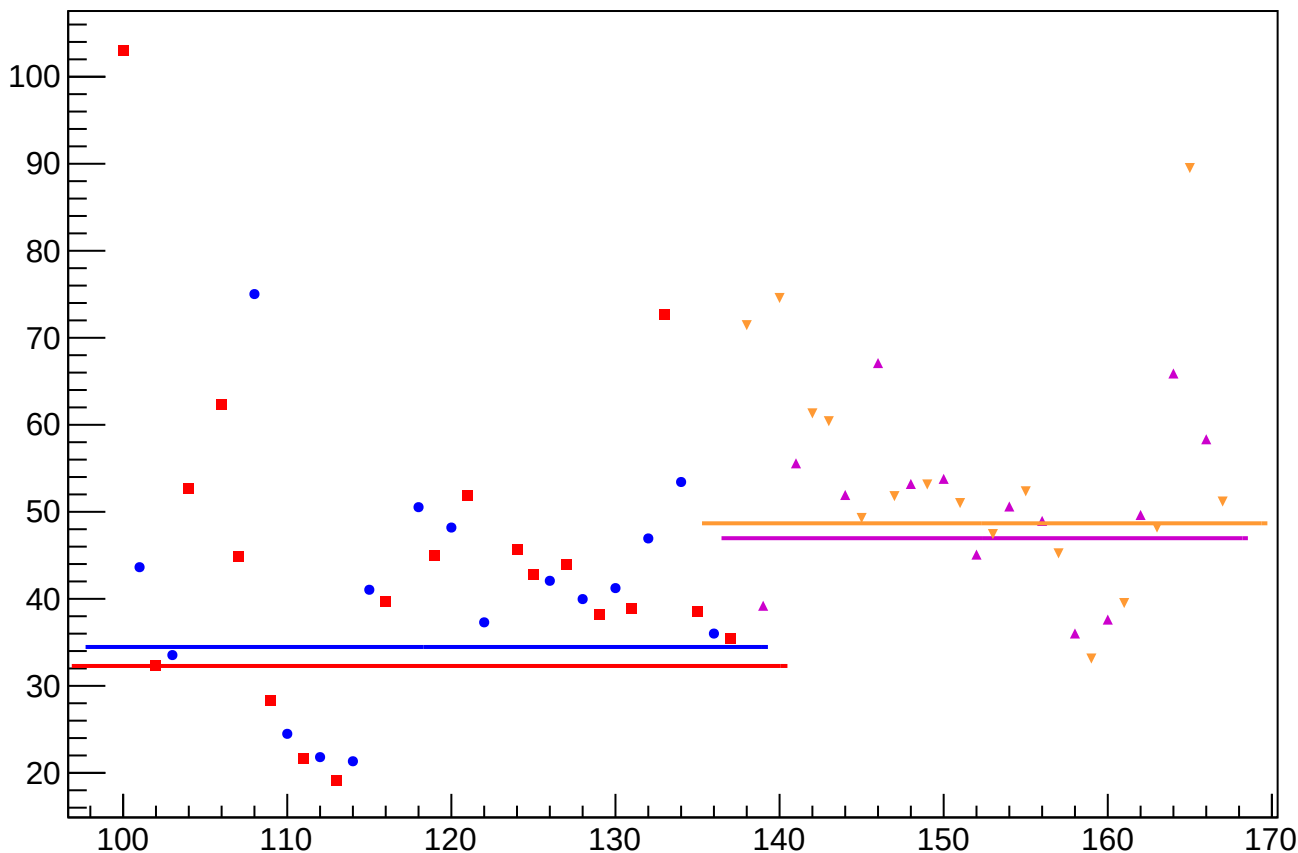
Left In: 0.010 $\pm$ 0.015 χ^2 /NDF: 15.2/13

+ sign 0.022 $\pm$ 0.010 χ^2 /NDF: 46.5/31

All: 0.018 $\pm$ 0.007 χ^2 /NDF: 75.6/64

- sign 0.015 $\pm$ 0.010 χ^2 /NDF: 28.8/32

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.469+/-0.010 χ^2/NDF : 1171158.4/15

Left Out: 48.680+/-0.010 χ^2/NDF : 1143742.3/15

Right Out: 32.285+/-0.009 χ^2/NDF : 1672606.5/18

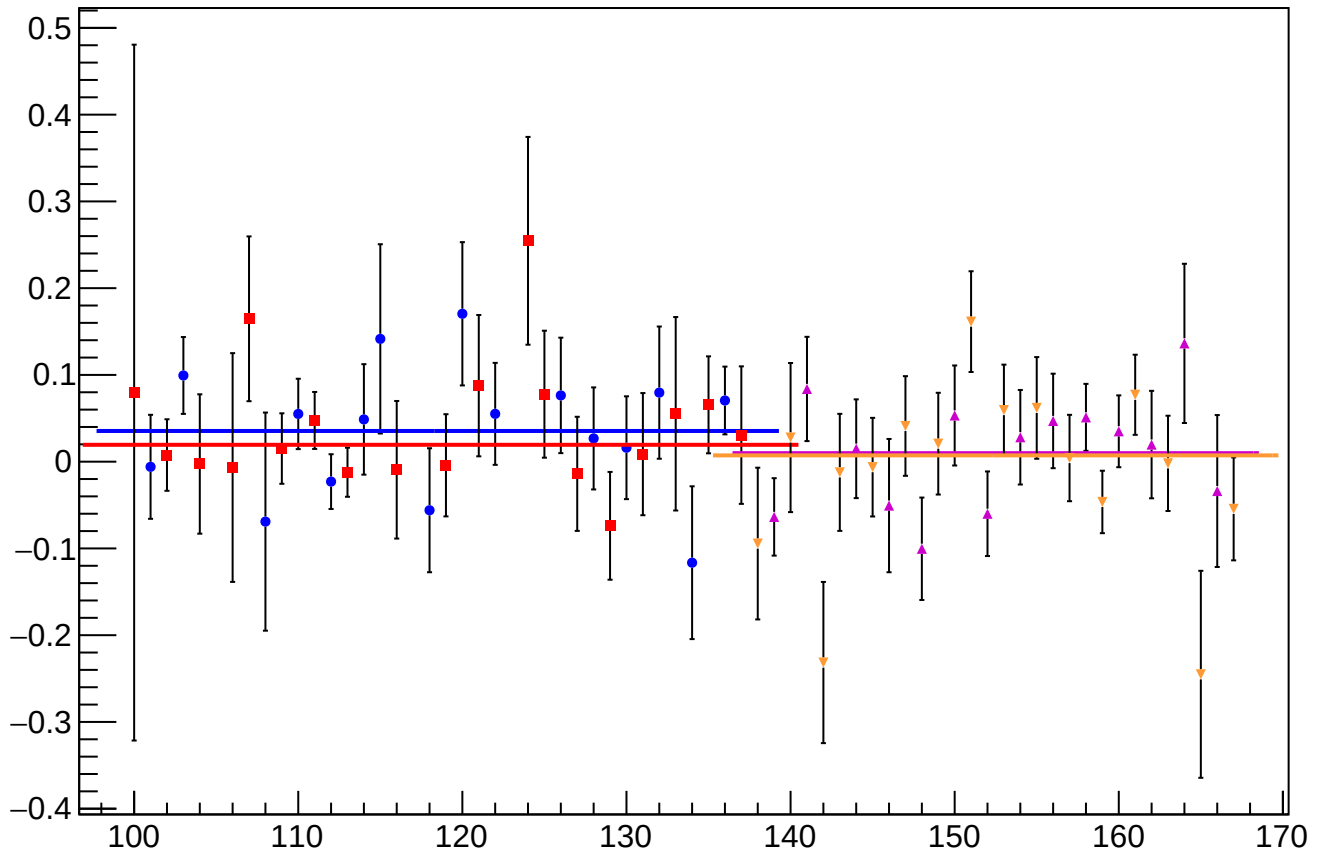
Left In: 46.969+/-0.010 χ^2/NDF : 704611.5/13

+ sign 41.293+/-0.007 χ^2/NDF : 3320164.4/31

All: 40.043+/-0.005 χ^2/NDF : 6878817.0/64

- sign 38.857+/-0.007 χ^2/NDF : 3497937.3/32

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: 0.007 $\pm$ 0.014 χ^2 /NDF: 27.6/15

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

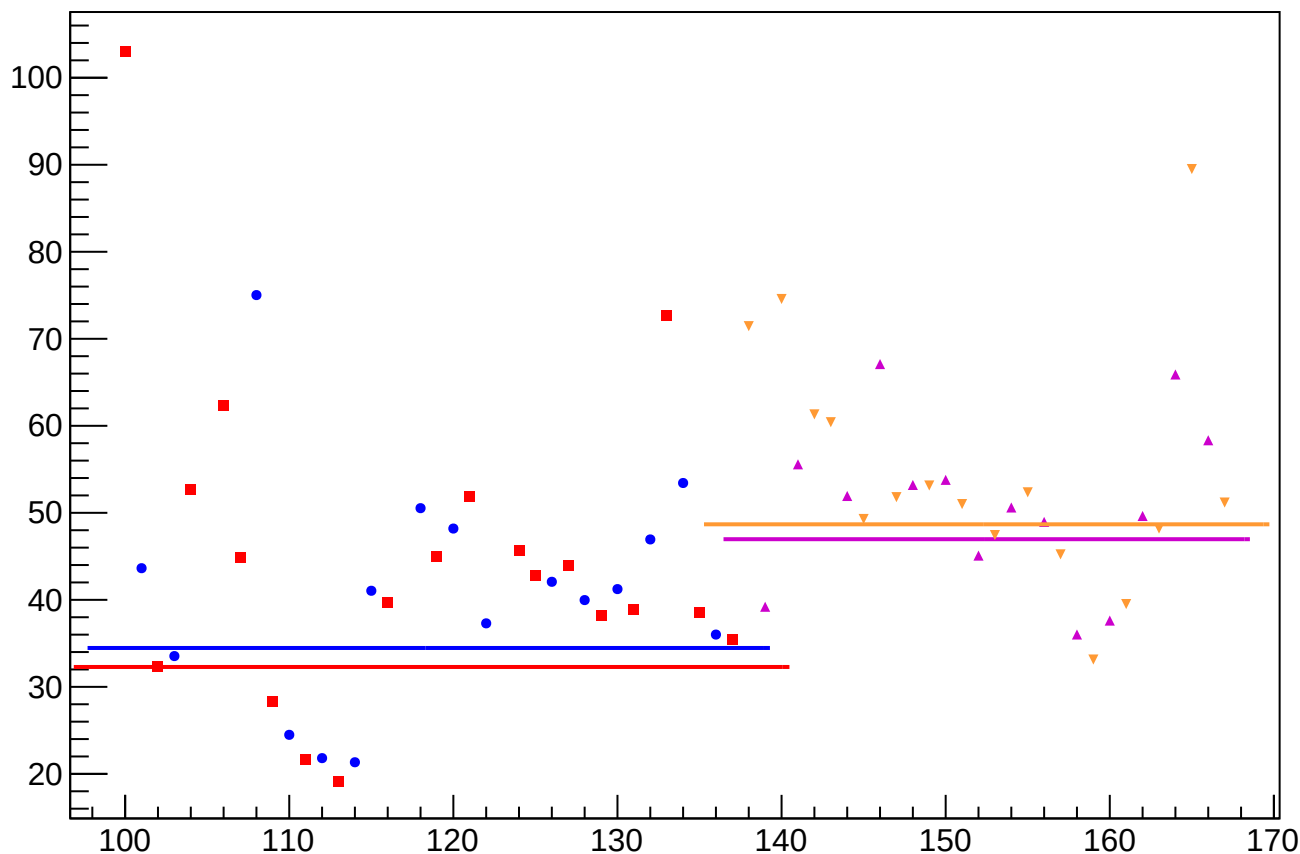
Left In: 0.010 $\pm$ 0.015 χ^2 /NDF: 15.2/13

+ sign 0.022 $\pm$ 0.010 χ^2 /NDF: 46.5/31

All: 0.018 $\pm$ 0.007 χ^2 /NDF: 75.6/64

- sign 0.015 $\pm$ 0.010 χ^2 /NDF: 28.8/32

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: 48.680 $\pm$ 0.010 χ^2 /NDF: 1143742.3/15

Right Out: 32.285 $\pm$ 0.009 χ^2 /NDF: 1672606.5/18

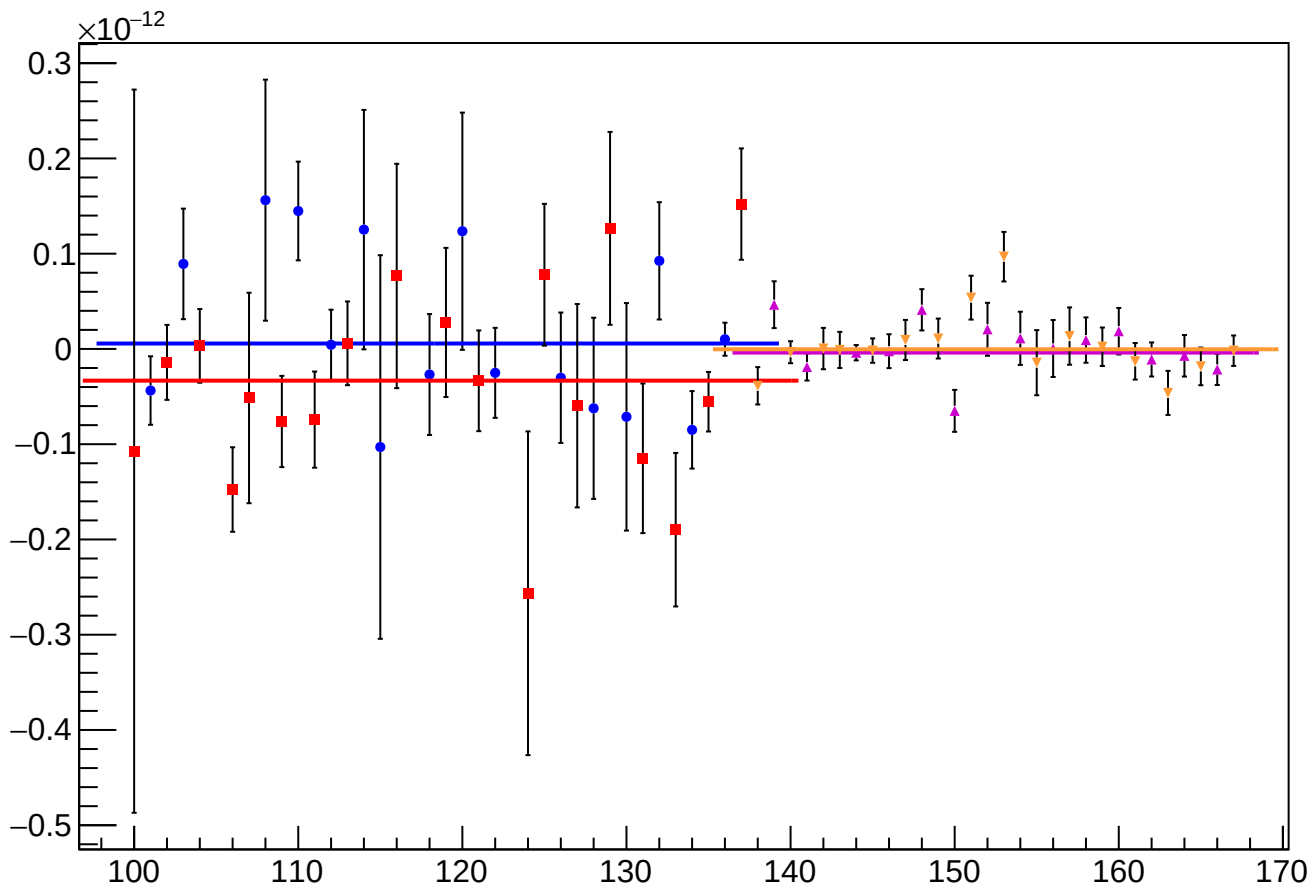
Left In: 46.969 $\pm$ 0.010 χ^2 /NDF: 704611.5/13

+ sign 41.293 $\pm$ 0.007 χ^2 /NDF: 3320164.4/31

All: 40.043 $\pm$ 0.005 χ^2 /NDF: 6878817.0/64

- sign 38.857 $\pm$ 0.007 χ^2 /NDF: 3497937.3/32

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: 29.5/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.5/18

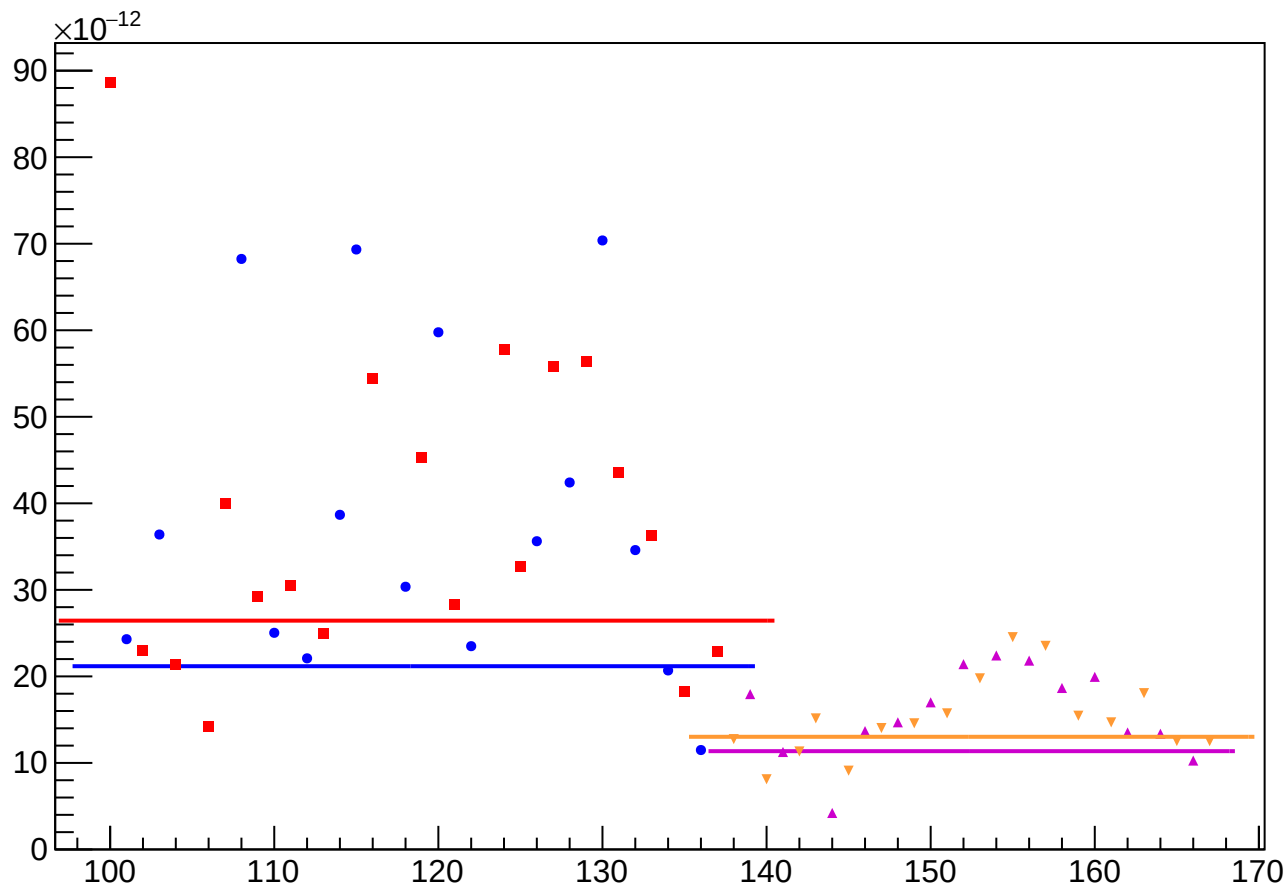
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.3/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 113.8/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.0/32

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 : 1377588.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1217987.6/18

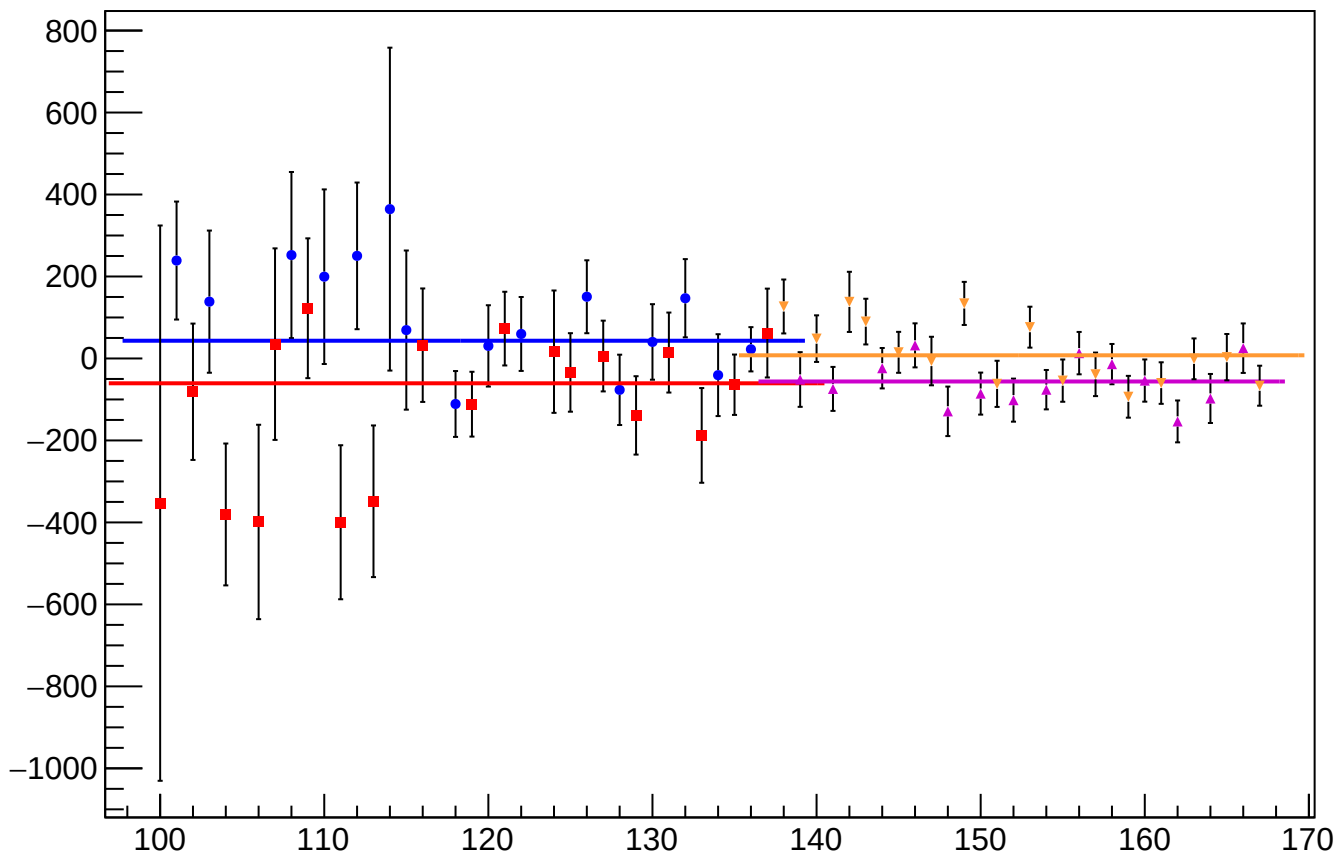
Left In: 0.000+/-0.000 χ^2/NDF : 3233674.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 4330129.1/31

All: 0.000+/-0.000 χ^2/NDF : 11218718.9/64

- sign 0.000+/-0.000 χ^2/NDF : 6822073.7/32

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF : 15.0/15

Left Out: 7.726+/-13.543 χ^2/NDF : 28.7/15

Right Out: -60.582+/-26.894 χ^2/NDF : 20.4/18

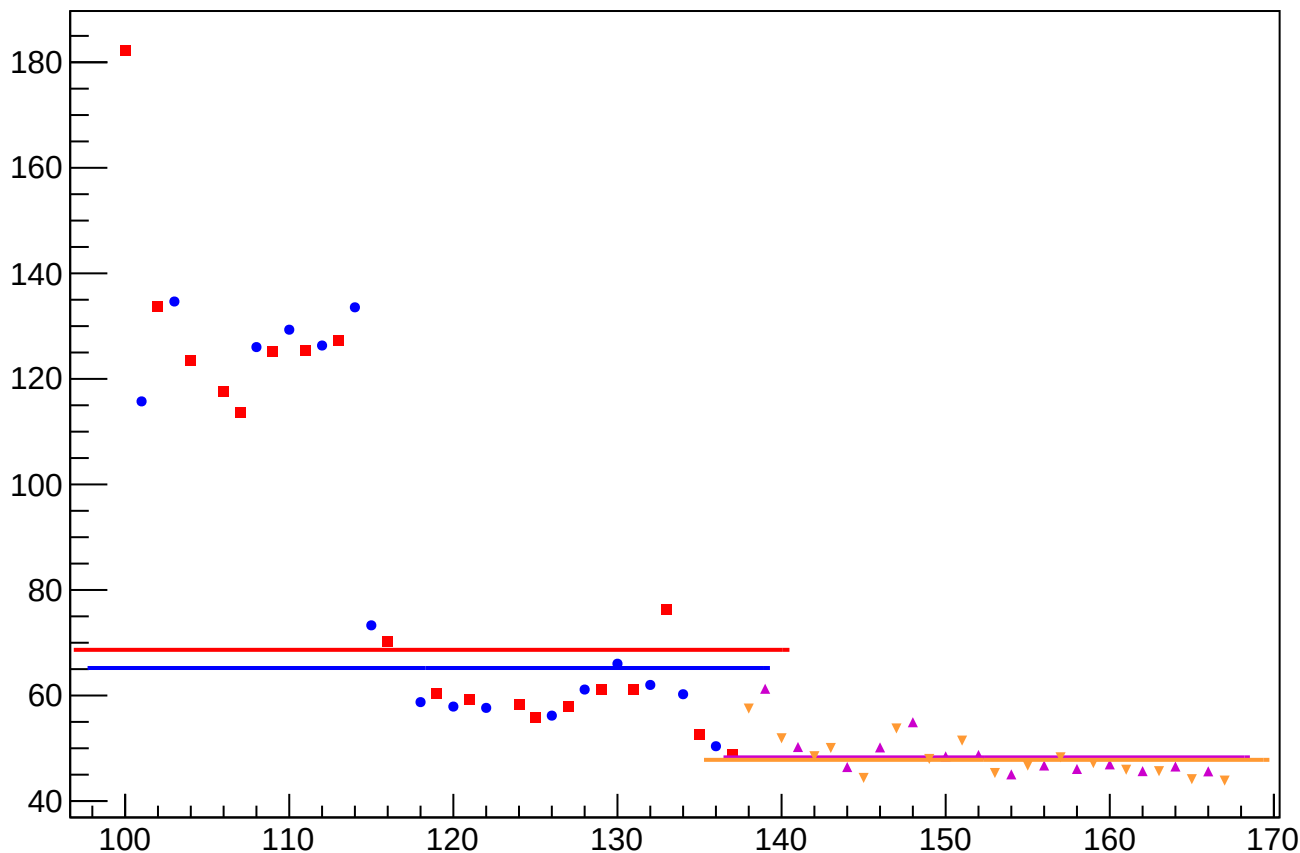
Left In: -56.174+/-14.310 χ^2/NDF : 14.4/13

+ sign 15.408+/-11.989 χ^2/NDF : 45.1/31

All: -18.972+/-8.696 χ^2/NDF : 97.3/64

- sign -57.146+/-12.633 χ^2/NDF : 34.9/32

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446504.6/15

Left Out: 47.810 $\pm$ 0.010 χ^2 /NDF: 129640.4/15

Right Out: 68.656 $\pm$ 0.019 χ^2 /NDF: 1640900.1/18

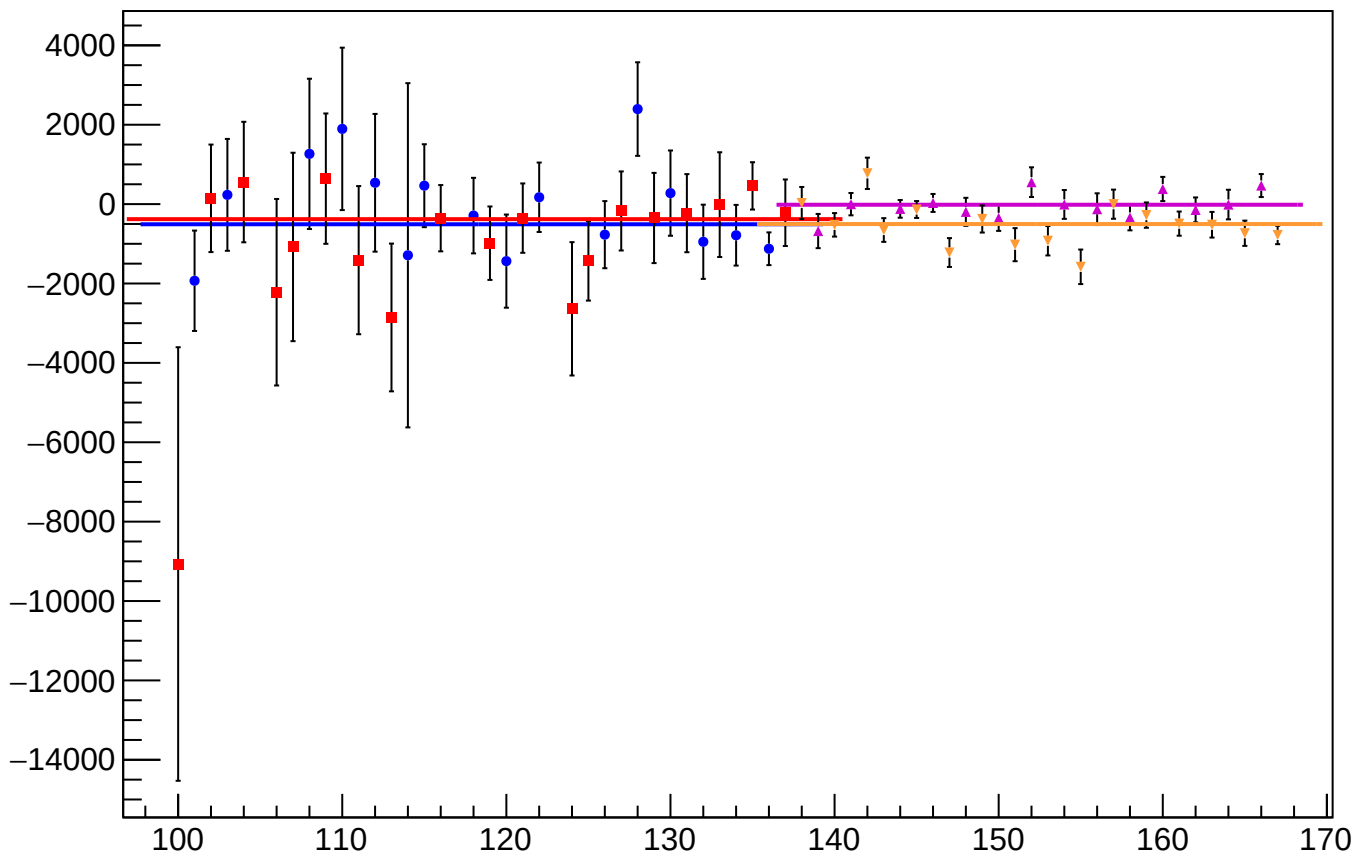
Left In: 48.276 $\pm$ 0.010 χ^2 /NDF: 135200.9/13

+ sign 51.574 $\pm$ 0.008 χ^2 /NDF: 2290342.1/31

All: 52.142 $\pm$ 0.006 χ^2 /NDF: 4970985.6/64

- sign 52.773 $\pm$ 0.009 χ^2 /NDF: 2671158.6/32

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -507.928 ± 236.945 χ^2/NDF : 15.6/15

Left Out: -502.520 ± 79.624 χ^2/NDF : 32.7/15

Right Out: -378.892 ± 256.407 χ^2/NDF : 11.7/18

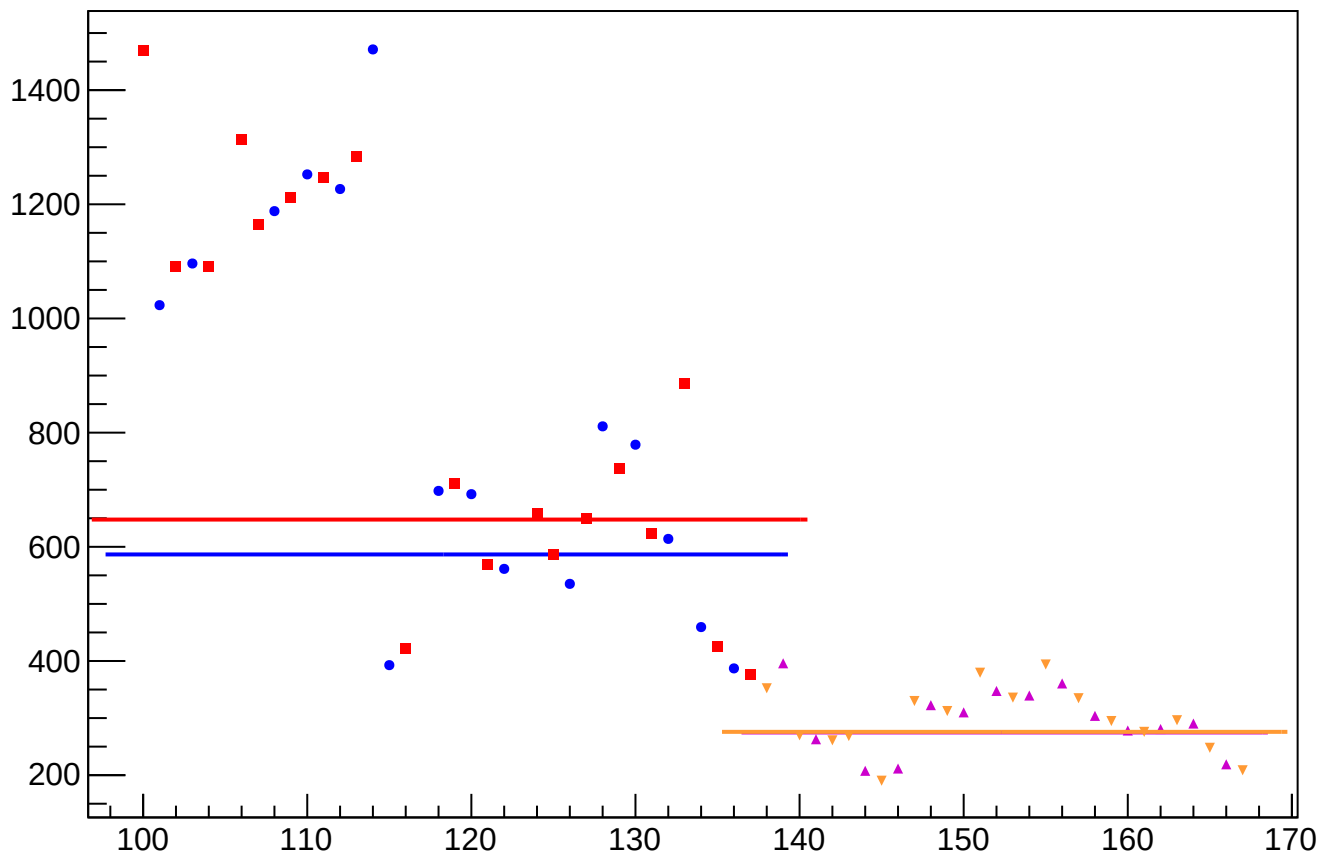
Left In: -15.913 ± 82.896 χ^2/NDF : 11.9/13

+ sign -503.069 ± 75.477 χ^2/NDF : 48.4/31

All: -286.634 ± 54.532 χ^2/NDF : 91.0/64

- sign -50.262 ± 78.876 χ^2/NDF : 25.5/32

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053133.2/15

Left Out: 275.883 $\pm$ 0.056 χ^2 /NDF:1039639.5/15

Right Out: 647.736 $\pm$ 0.181 χ^2 /NDF: 2105638.0/18

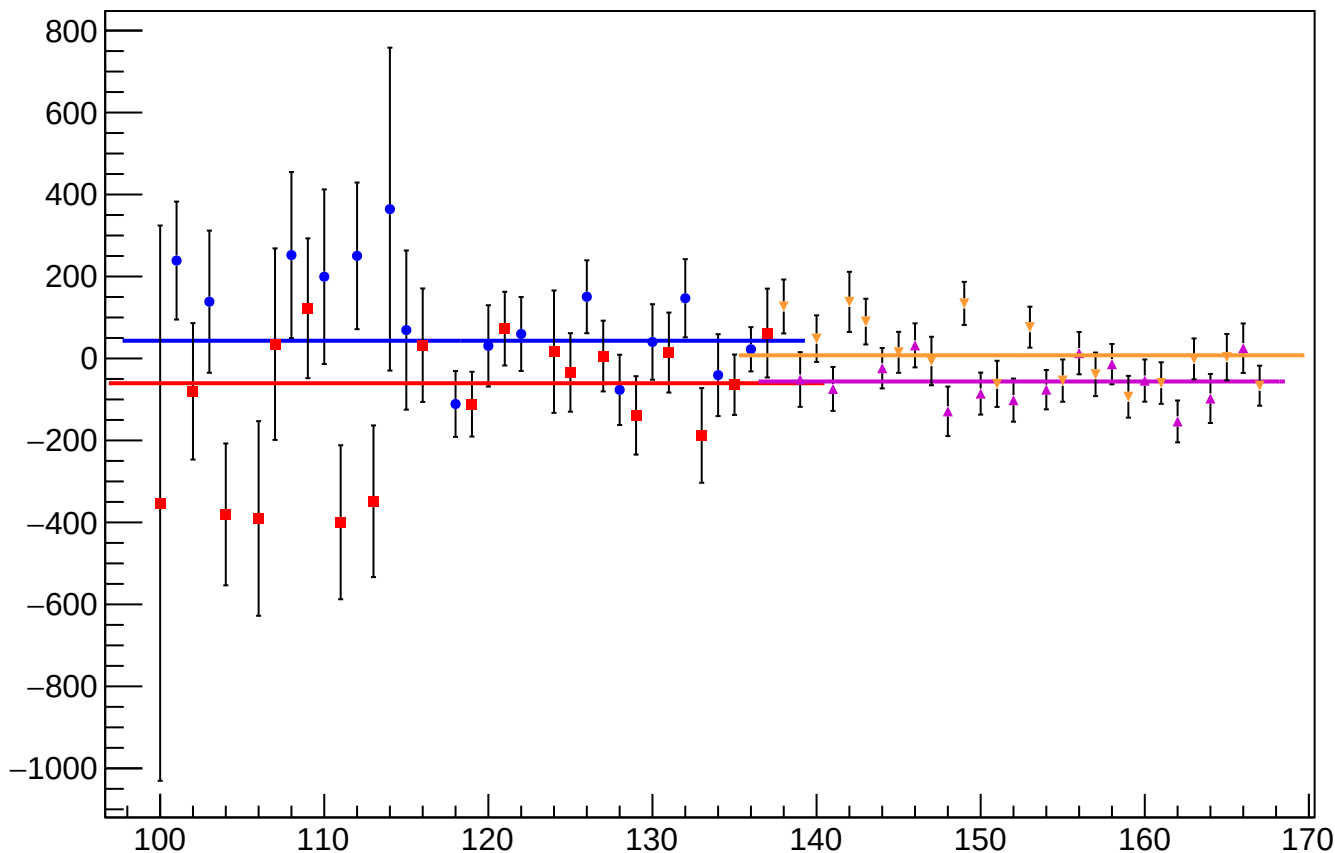
Left In: 274.781 $\pm$ 0.059 χ^2 /NDF:884848.7/13

+ sign 307.415 $\pm$ 0.053 χ^2 /NDF: 6183965.5/31

All: 308.686 $\pm$ 0.039 χ^2 /NDF: 13006603.7/64

- sign 310.074 $\pm$ 0.056 χ^2 /NDF: 6821451.9/32

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239 ± 25.781 χ^2/NDF : 15.0/15

Left Out: 7.728 ± 13.543 χ^2/NDF : 28.7/15

Right Out: -60.432 ± 26.895 χ^2/NDF : 20.3/18

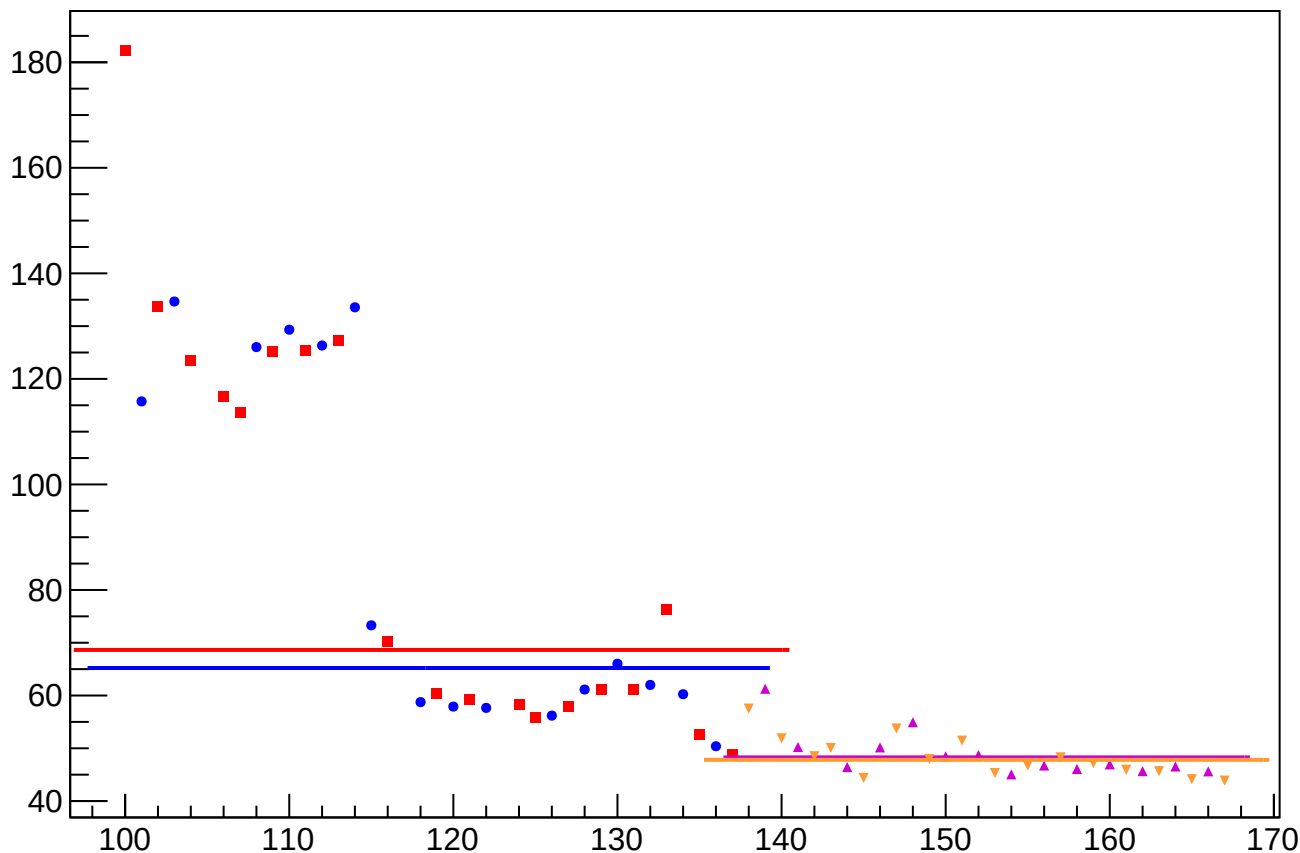
Left In: -56.173 ± 14.310 χ^2/NDF : 14.4/13

+ sign 15.408 ± 11.989 χ^2/NDF : 45.1/31

All: -18.956 ± 8.696 χ^2/NDF : 97.2/64

- sign -57.113 ± 12.633 χ^2/NDF : 34.7/32

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446506.9/15

Left Out: 47.810 $\pm$ 0.010 χ^2 /NDF: 129640.4/15

Right Out: 68.642 $\pm$ 0.019 χ^2 /NDF: 1637558.1/18

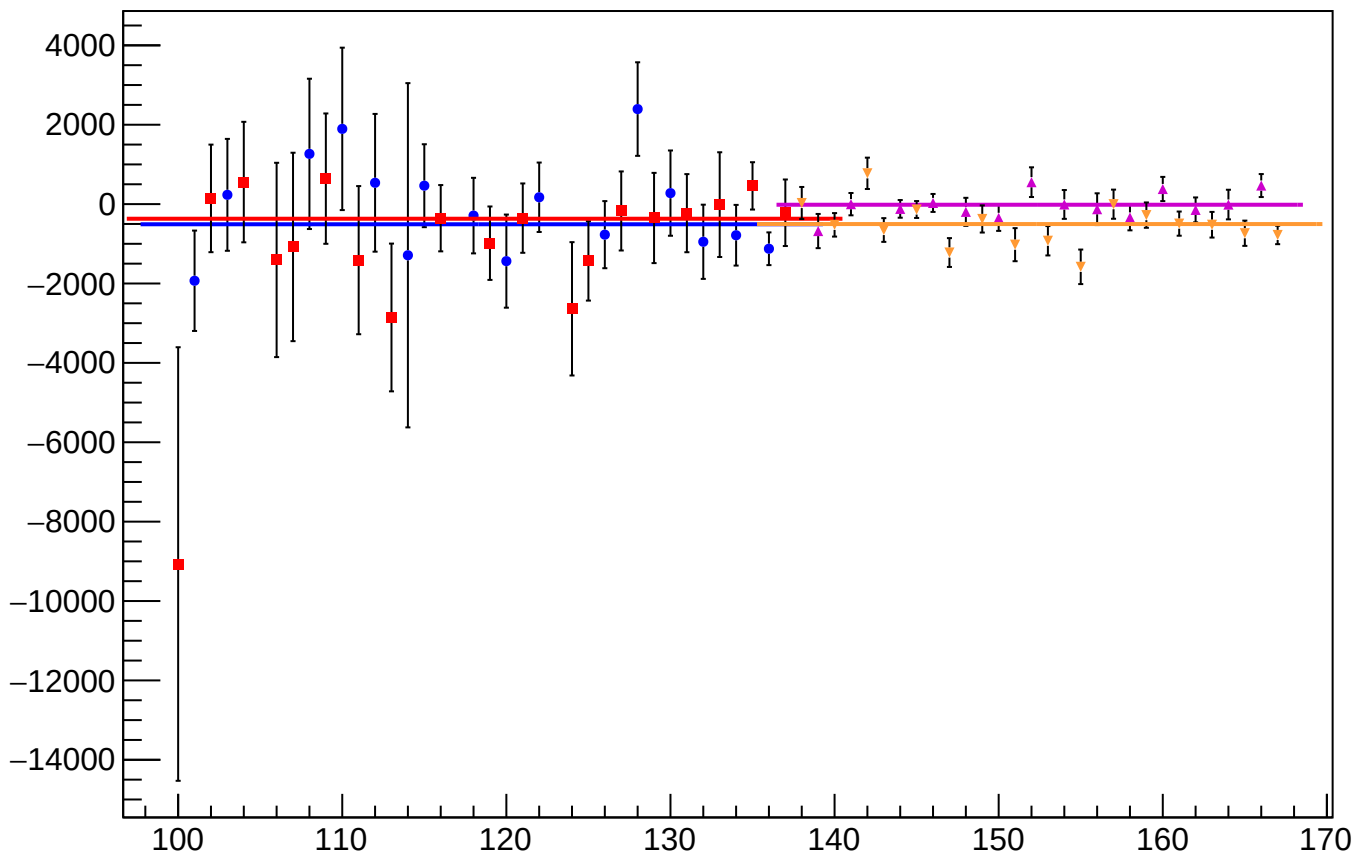
Left In: 48.276 $\pm$ 0.010 χ^2 /NDF: 135200.9/13

+ sign 51.574 $\pm$ 0.008 χ^2 /NDF: 2290344.2/31

All: 52.141 $\pm$ 0.006 χ^2 /NDF: 4966285.6/64

- sign 52.770 $\pm$ 0.009 χ^2 /NDF: 2666510.1/32

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911 ± 236.945 χ^2/NDF : 15.6/15

Left Out: -502.515 ± 79.624 χ^2/NDF : 32.7/15

Right Out: -368.334 ± 256.534 χ^2/NDF : 11.3/18

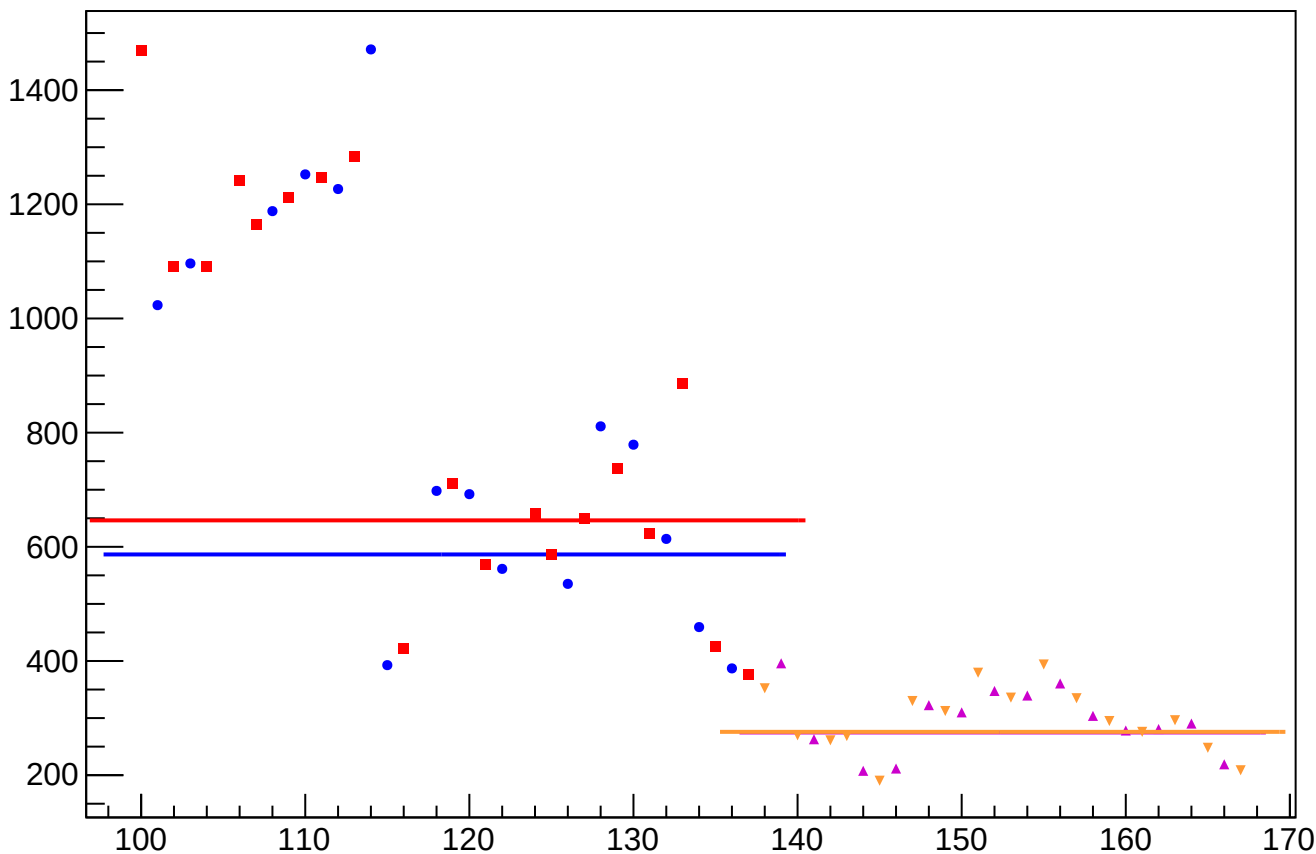
Left In: -15.912 ± 82.896 χ^2/NDF : 11.9/13

+ sign -503.063 ± 75.477 χ^2/NDF : 48.4/31

All: -286.149 ± 54.534 χ^2/NDF : 90.5/64

- sign -49.232 ± 78.880 χ^2/NDF : 24.9/32

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053169.7/15

Left Out: 275.883 $\pm$ 0.056 χ^2 /NDF:1039646.2/15

Right Out: 646.328 $\pm$ 0.181 χ^2 /NDF: 2063185.3/18

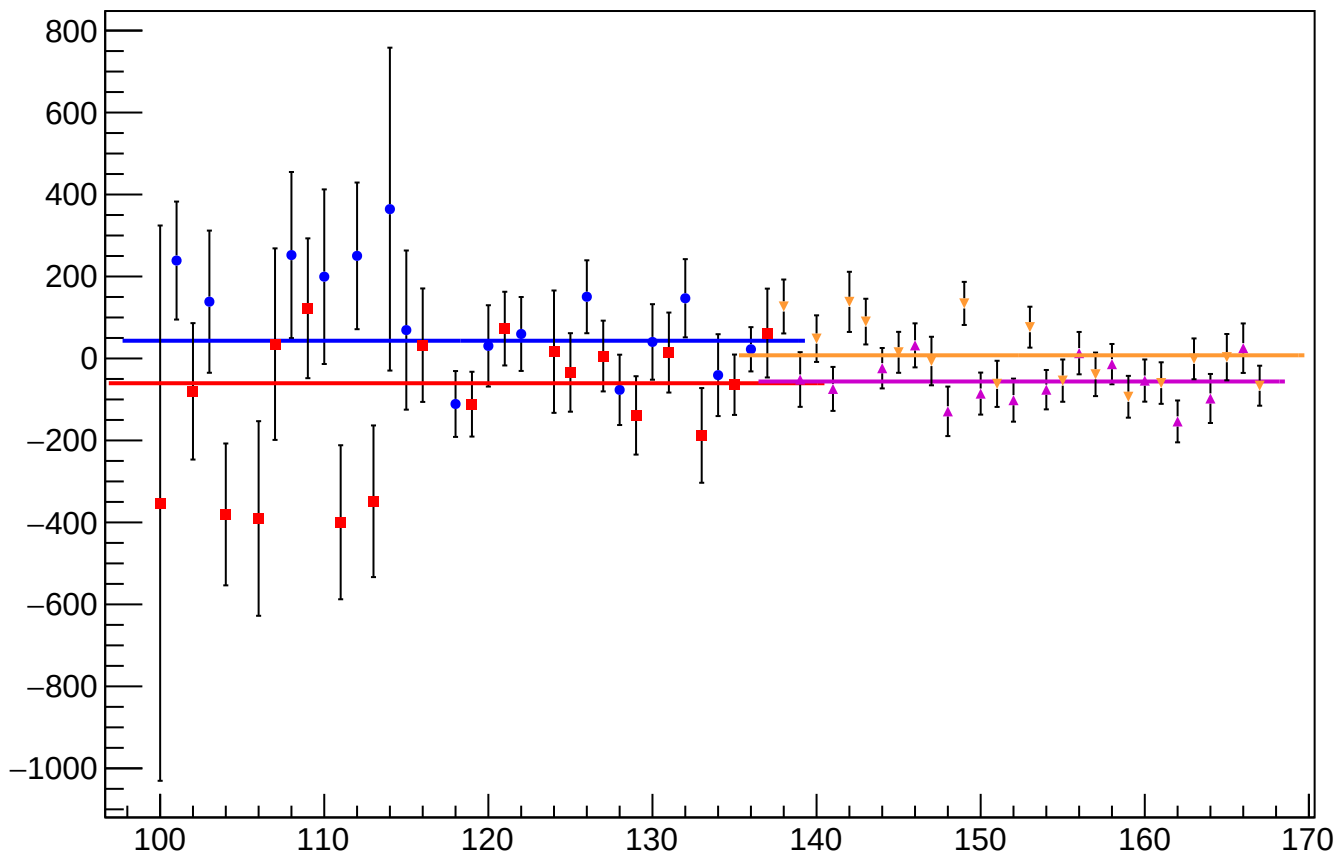
Left In: 274.781 $\pm$ 0.059 χ^2 /NDF:884845.9/13

+ sign 307.415 $\pm$ 0.053 χ^2 /NDF: 6183999.4/31

All: 308.607 $\pm$ 0.039 χ^2 /NDF: 12931761.1/64

- sign 309.909 $\pm$ 0.056 χ^2 /NDF: 6746717.7/32

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 7.728 $\pm$ 13.543 χ^2 /NDF: 28.7/15

Right Out: -60.432 $\pm$ 26.895 χ^2 /NDF: 20.3/18

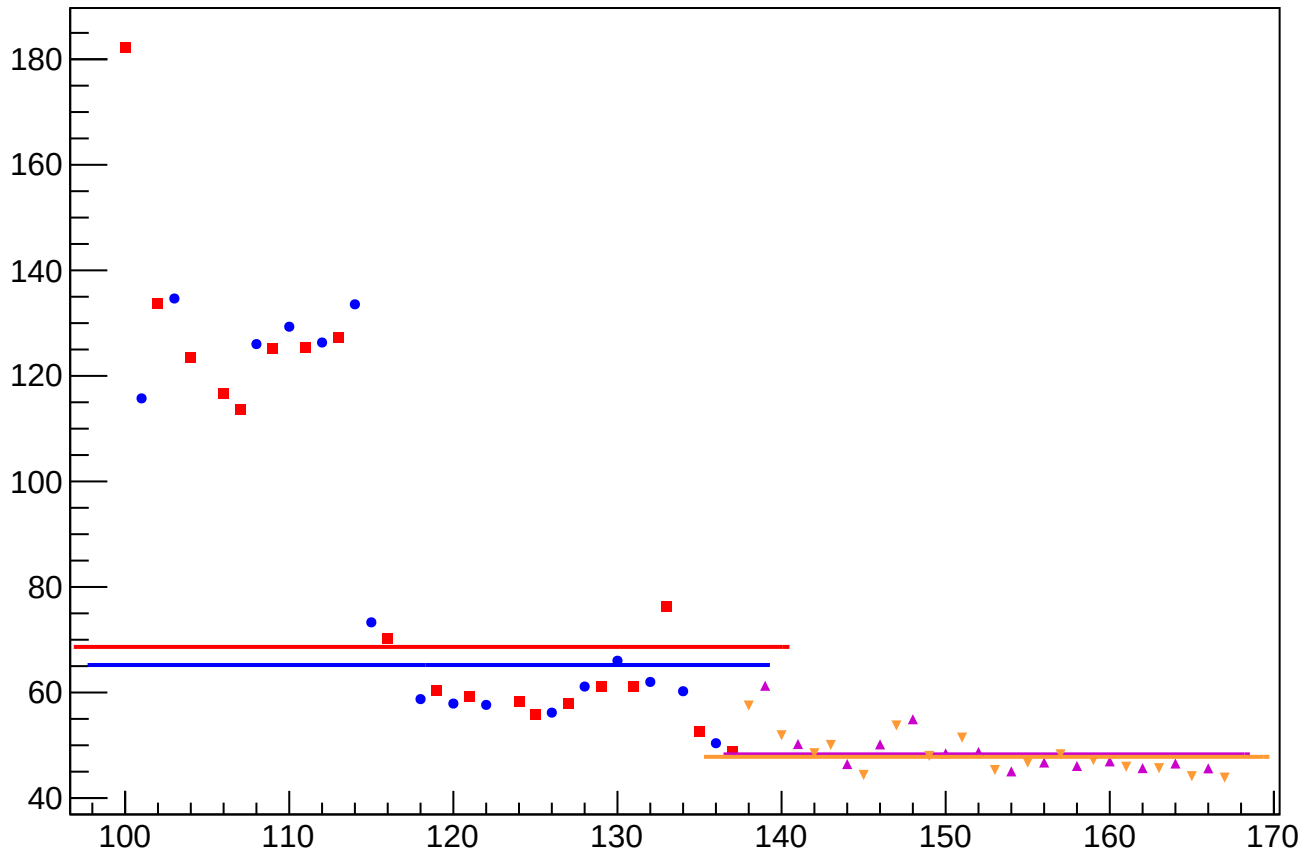
Left In: -56.173 $\pm$ 14.310 χ^2 /NDF: 14.4/13

+ sign 15.408 $\pm$ 11.989 χ^2 /NDF: 45.1/31

All: -18.956 $\pm$ 8.696 χ^2 /NDF: 97.2/64

- sign -57.113 $\pm$ 12.633 χ^2 /NDF: 34.7/32

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF : 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF : 129640.4/15

Right Out: 68.642+/-0.019 χ^2/NDF : 1637558.1/18

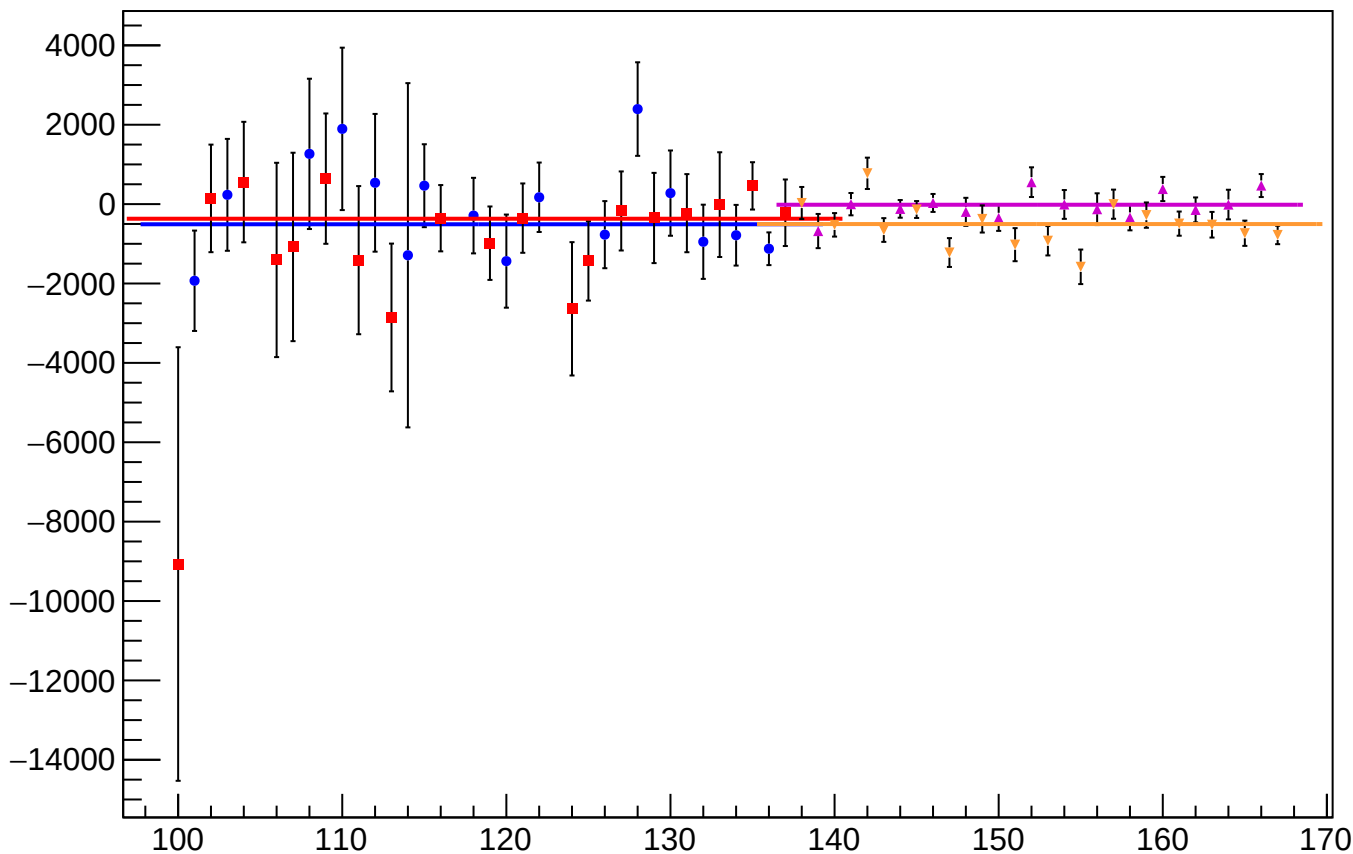
Left In: 48.276+/-0.010 χ^2/NDF : 135200.9/13

+ sign 51.574+/-0.008 χ^2/NDF : 2290344.2/31

All: 52.141+/-0.006 χ^2/NDF : 4966285.6/64

- sign 52.770+/-0.009 χ^2/NDF : 2666510.1/32

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: -502.515 $\pm$ 79.624 χ^2 /NDF:32.7/15

Right Out: -368.334 $\pm$ 256.534 χ^2 /NDF: 11.3/18

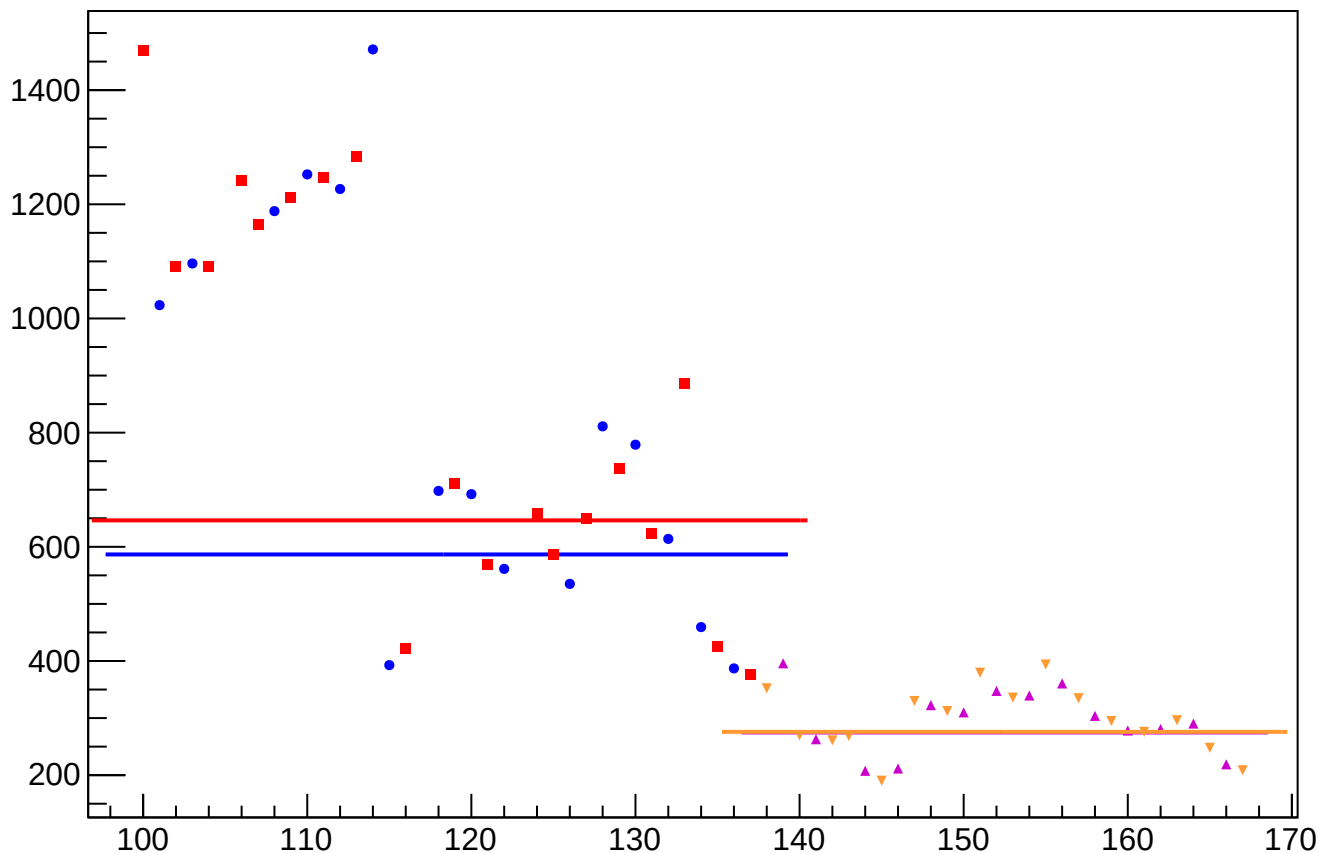
Left In: -15.912 $\pm$ 82.896 χ^2 /NDF:11.9/13

+ sign -503.063 $\pm$ 75.477 χ^2 /NDF: 48.4/31

All: -286.149 $\pm$ 54.534 χ^2 /NDF: 90.5/64

- sign -49.232 $\pm$ 78.880 χ^2 /NDF: 24.9/32

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: 275.883 $\pm$ 0.056 χ^2/NDF :1039646.2/15

Right Out: 646.328 $\pm$ 0.181 χ^2/NDF : 2063185.3/18

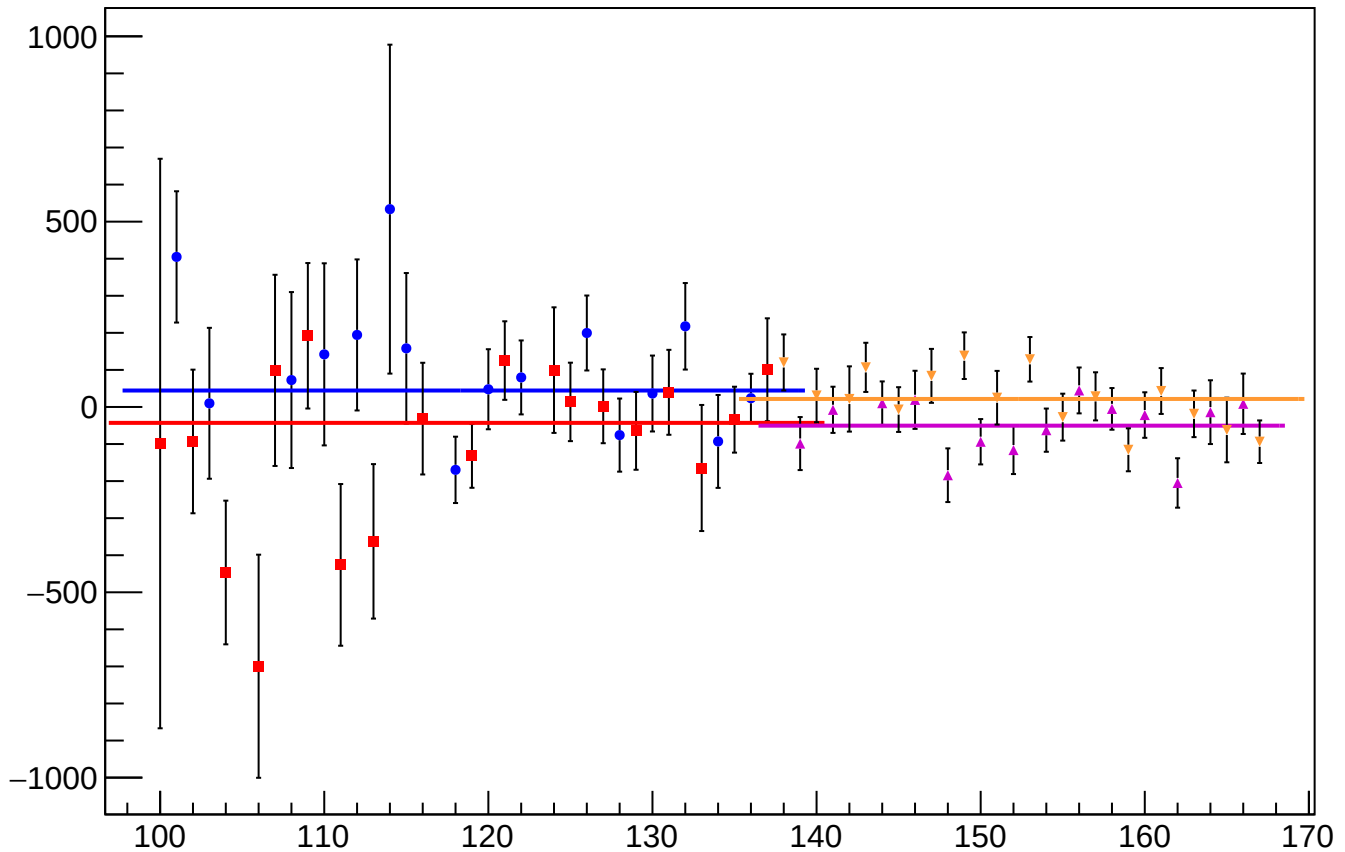
Left In: 274.781 $\pm$ 0.059 χ^2/NDF :884845.9/13

+ sign 307.415 $\pm$ 0.053 χ^2/NDF : 6183999.4/31

All: 308.607 $\pm$ 0.039 χ^2/NDF : 12931761.1/64

- sign 309.909 $\pm$ 0.056 χ^2/NDF : 6746717.7/32

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387 ± 29.909 χ^2/NDF : 19.6/15

Left Out: 21.631 ± 16.573 χ^2/NDF : 22.6/15

Right Out: -42.901 ± 31.248 χ^2/NDF : 23.3/18

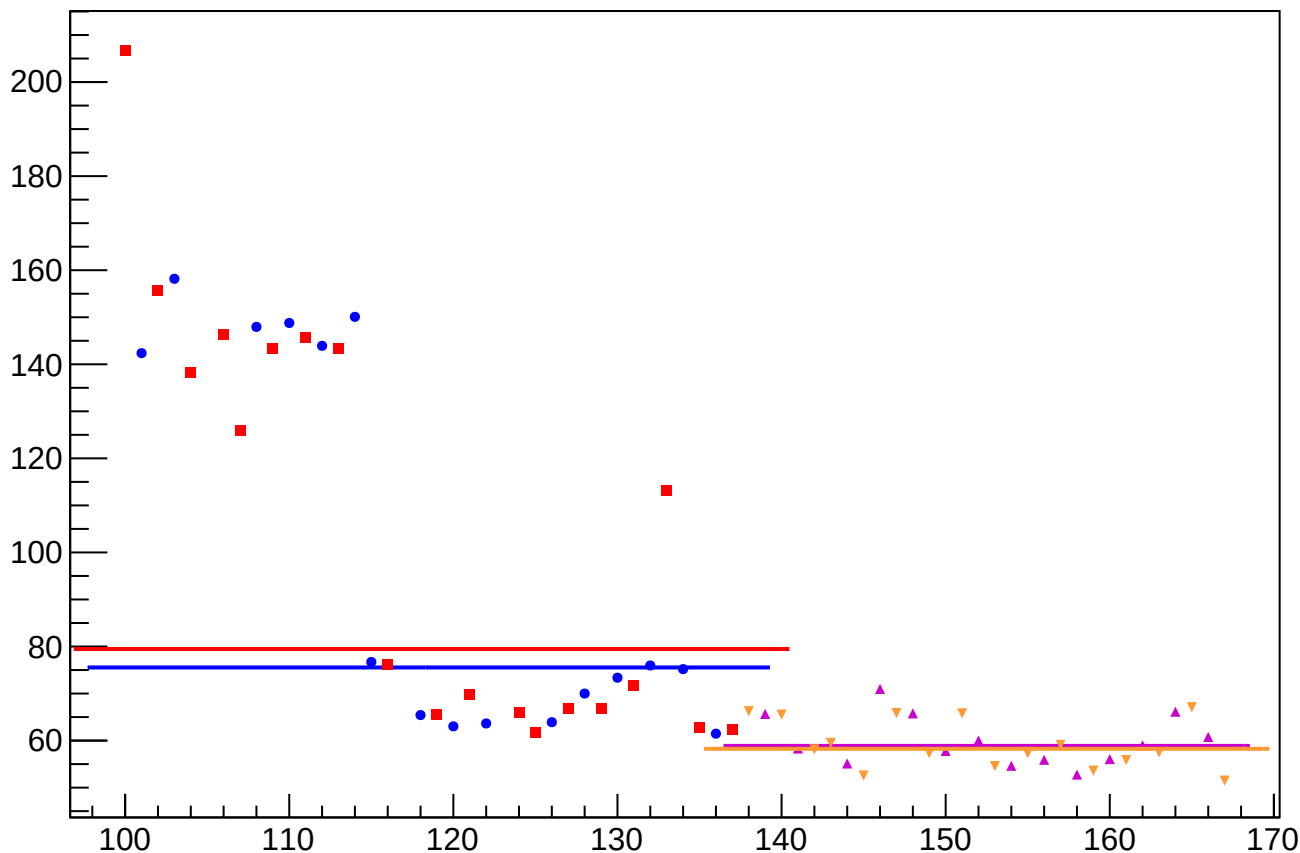
Left In: -50.432 ± 17.542 χ^2/NDF : 17.1/13

+ sign 26.977 ± 14.496 χ^2/NDF : 42.7/31

All: -8.795 ± 10.522 χ^2/NDF : 96.0/64

- sign -48.627 ± 15.296 χ^2/NDF : 40.4/32

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544 ± 0.021 χ^2/NDF : 1465550.9/15

Left Out: 58.252 ± 0.012 χ^2/NDF : 177738.4/15

Right Out: 79.465 ± 0.022 χ^2/NDF : 1683634.3/18

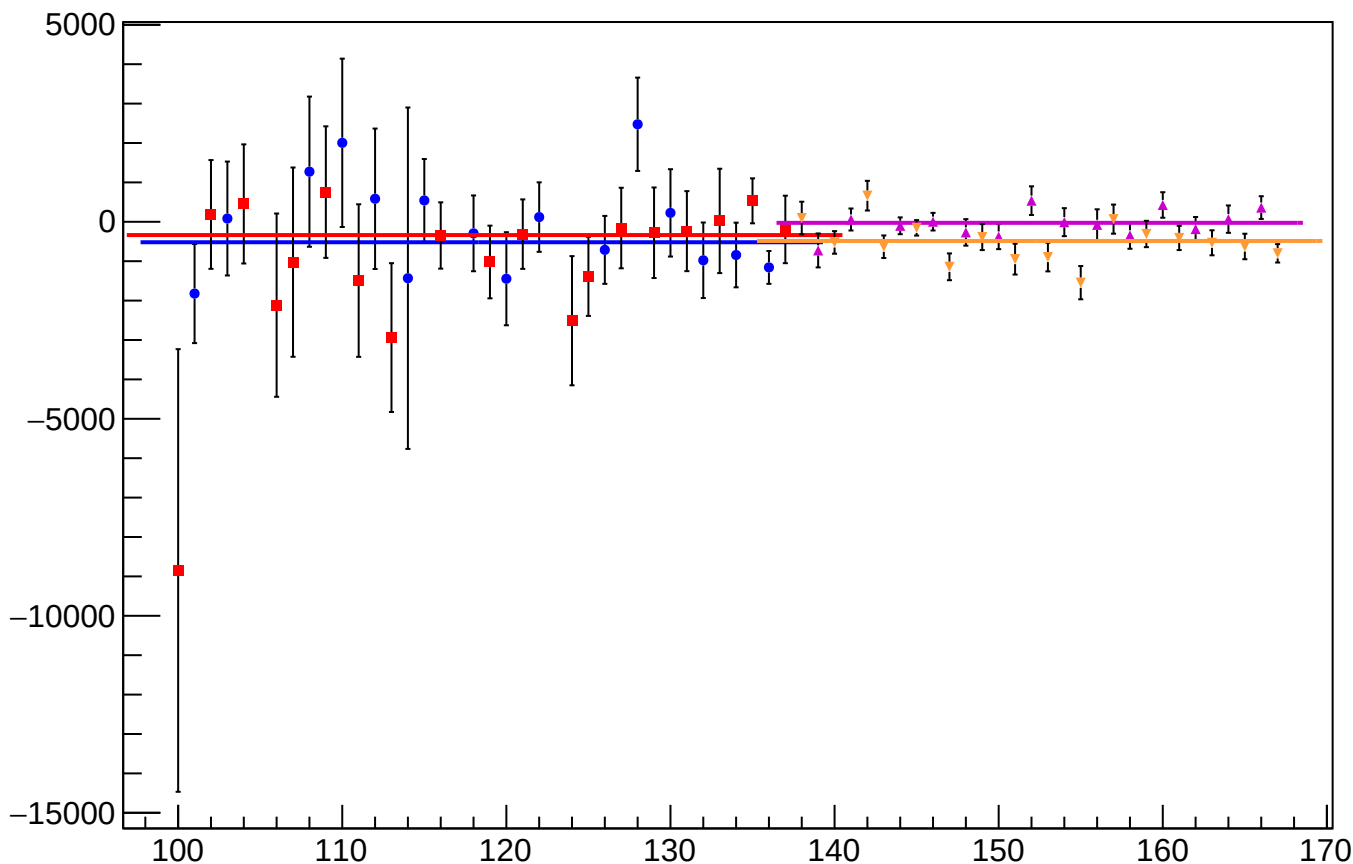
Left In: 58.870 ± 0.012 χ^2/NDF : 151692.3/13

+ sign 62.314 ± 0.010 χ^2/NDF : 2154794.4/31

All: 63.020 ± 0.007 χ^2/NDF : 4660721.5/64

- sign 63.806 ± 0.011 χ^2/NDF : 2495913.0/32

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250 $\pm$ 241.317 χ^2/NDF : 15.8/15

Left Out: -486.405 $\pm$ 77.735 χ^2/NDF :31.8/15

Right Out: -336.731 $\pm$ 256.618 χ^2/NDF : 11.9/18

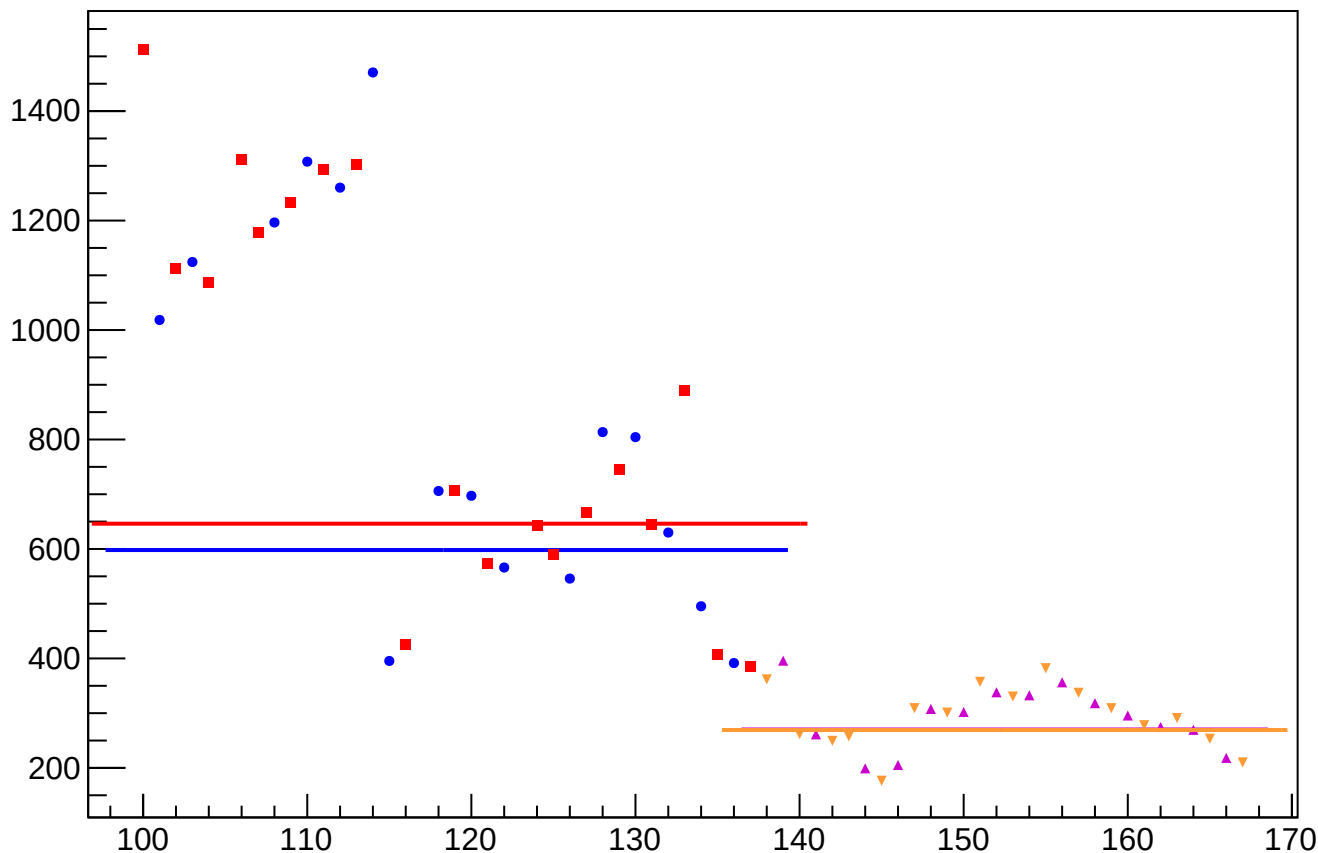
Left In: -26.032 $\pm$ 81.695 χ^2/NDF :12.0/13

+ sign -489.493 $\pm$ 73.991 χ^2/NDF : 47.6/31

All: -283.092 $\pm$ 53.630 χ^2/NDF : 89.3/64

- sign -54.623 $\pm$ 77.846 χ^2/NDF : 25.2/32

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044 $\pm$ 0.171 χ^2 /NDF: 2047825.1/15

Left Out: 269.214 $\pm$ 0.055 χ^2 /NDF:1143960.1/15

Right Out: 646.190 $\pm$ 0.181 χ^2 /NDF: 2205437.4/18

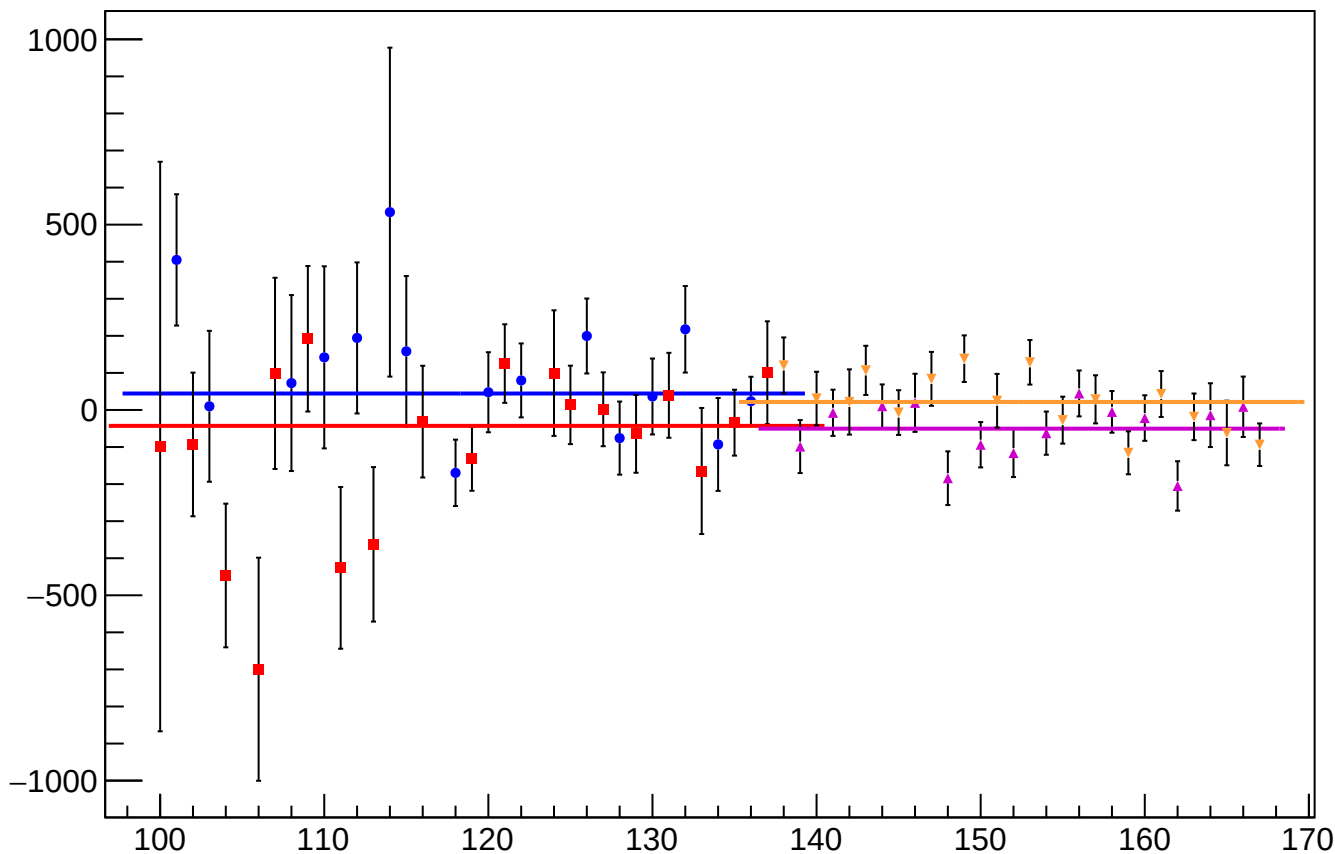
Left In: 270.210 $\pm$ 0.058 χ^2 /NDF:951104.0/13

+ sign 300.128 $\pm$ 0.052 χ^2 /NDF: 6556286.5/31

All: 302.350 $\pm$ 0.038 χ^2 /NDF: 13614800.7/64

- sign 304.809 $\pm$ 0.055 χ^2 /NDF: 7054715.4/32

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389 $\pm$ 29.908 χ^2 /NDF: 19.6/15

Left Out: 21.632 $\pm$ 16.573 χ^2 /NDF: 22.6/15

Right Out: -42.900 $\pm$ 31.248 χ^2 /NDF: 23.3/18

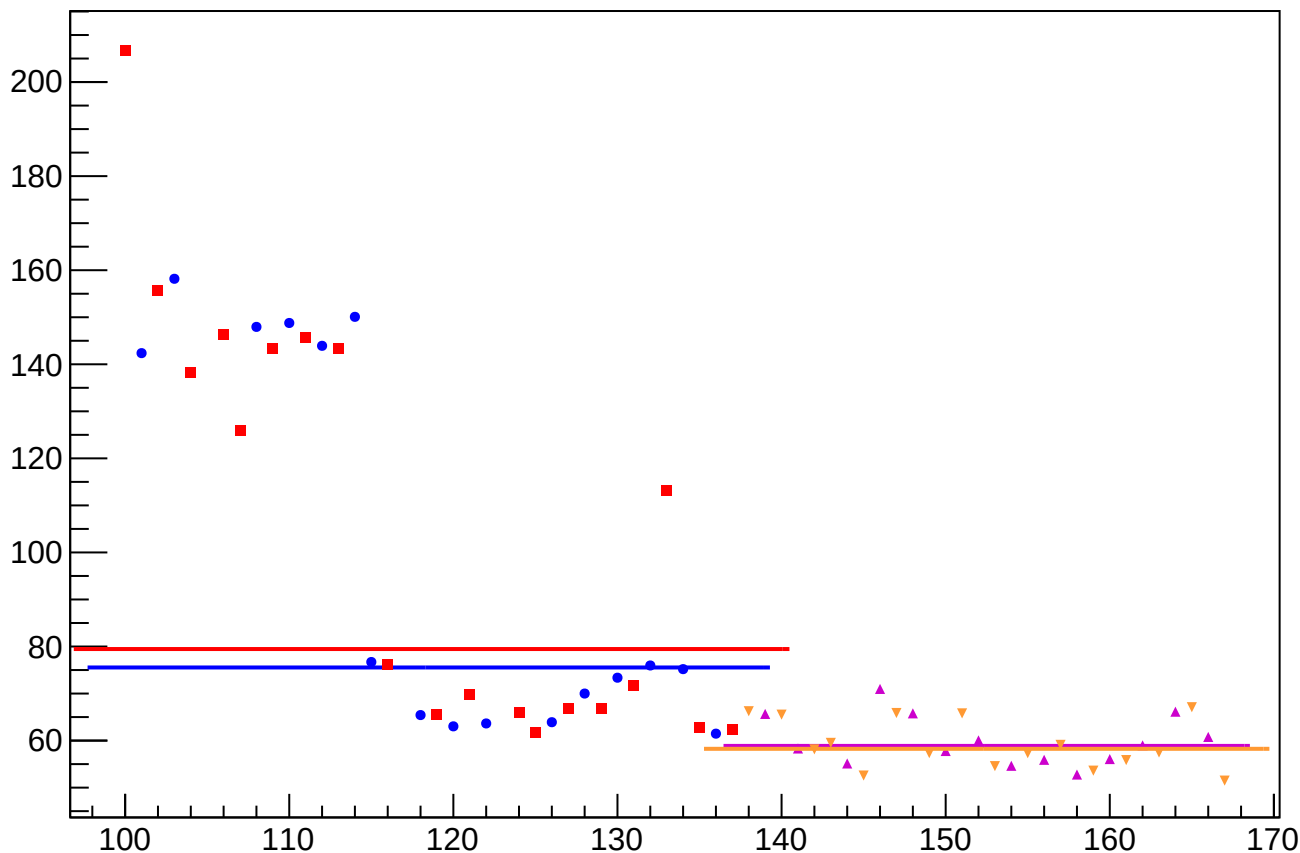
Left In: -50.431 $\pm$ 17.542 χ^2 /NDF: 17.1/13

+ sign 26.977 $\pm$ 14.496 χ^2 /NDF: 42.7/31

All: -8.794 $\pm$ 10.522 χ^2 /NDF: 96.0/64

- sign -48.626 $\pm$ 15.296 χ^2 /NDF: 40.4/32

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544 $\pm$ 0.021 χ^2 /NDF: 1465535.8/15

Left Out: 58.252 $\pm$ 0.012 χ^2 /NDF: 177736.5/15

Right Out: 79.465 $\pm$ 0.022 χ^2 /NDF: 1683627.3/18

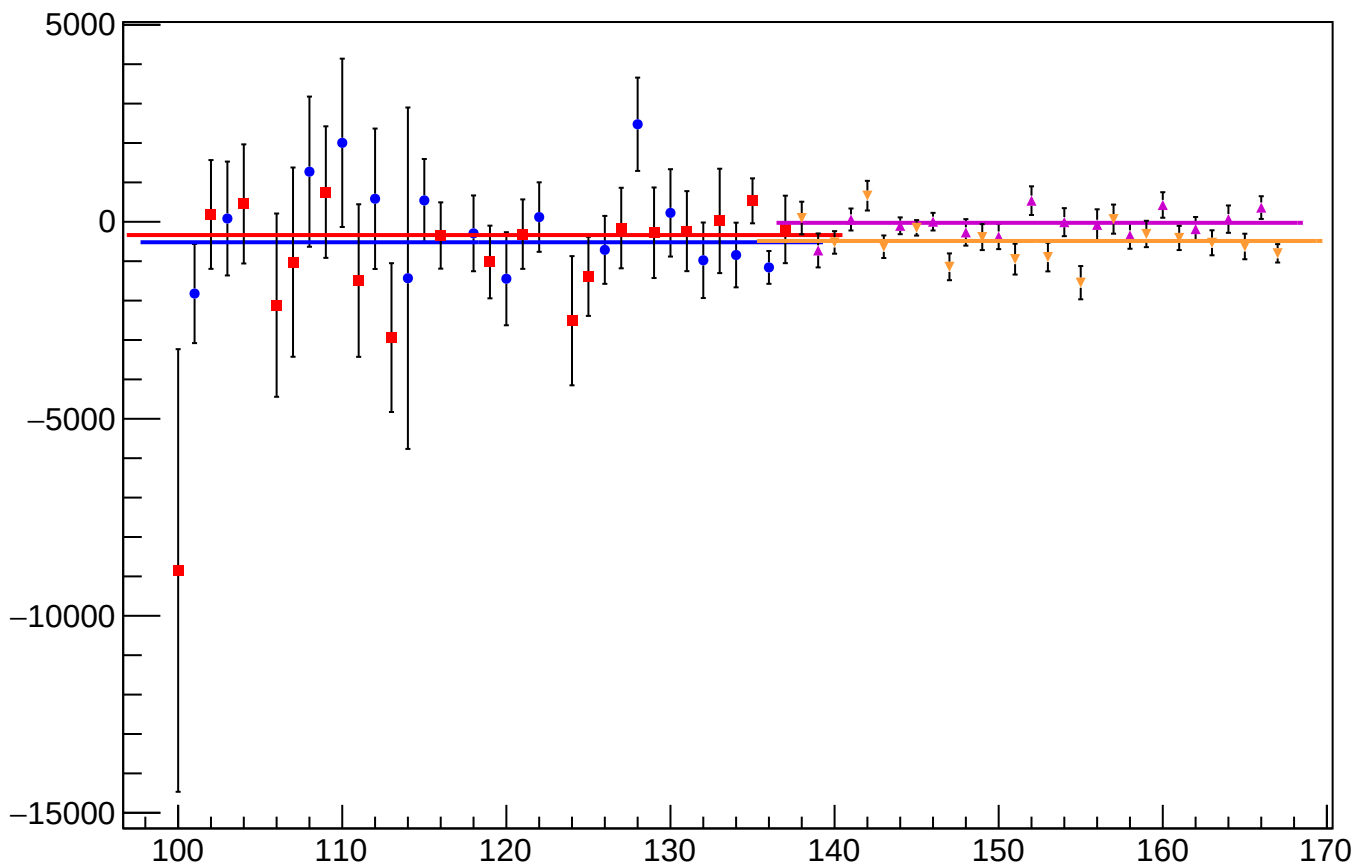
Left In: 58.871 $\pm$ 0.012 χ^2 /NDF: 151697.8/13

+ sign 62.314 $\pm$ 0.010 χ^2 /NDF: 2154754.5/31

All: 63.020 $\pm$ 0.007 χ^2 /NDF: 4660655.0/64

- sign 63.806 $\pm$ 0.011 χ^2 /NDF: 2495886.0/32

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -519.247 ± 241.316 χ^2/NDF : 15.8/15

Left Out: -486.404 ± 77.735 χ^2/NDF : 31.8/15

Right Out: -336.731 ± 256.617 χ^2/NDF : 11.9/18

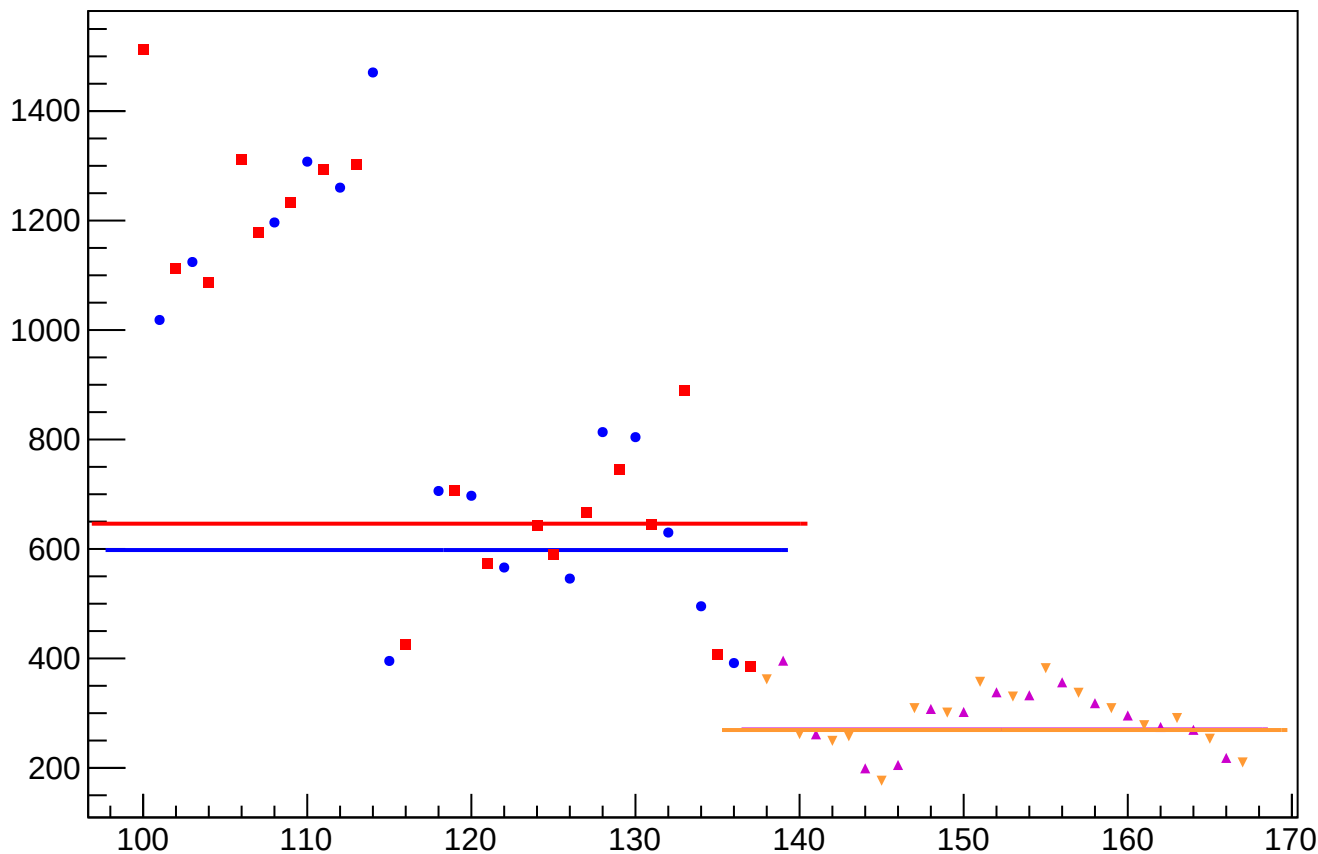
Left In: -26.031 ± 81.695 χ^2/NDF : 12.0/13

+ sign -489.492 ± 73.991 χ^2/NDF : 47.6/31

All: -283.091 ± 53.630 χ^2/NDF : 89.3/64

- sign -54.623 ± 77.846 χ^2/NDF : 25.2/32

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF : 2047806.5/15

Left Out: 269.214+/-0.055 χ^2/NDF : 1143963.6/15

Right Out: 646.190+/-0.181 χ^2/NDF : 2205421.4/18

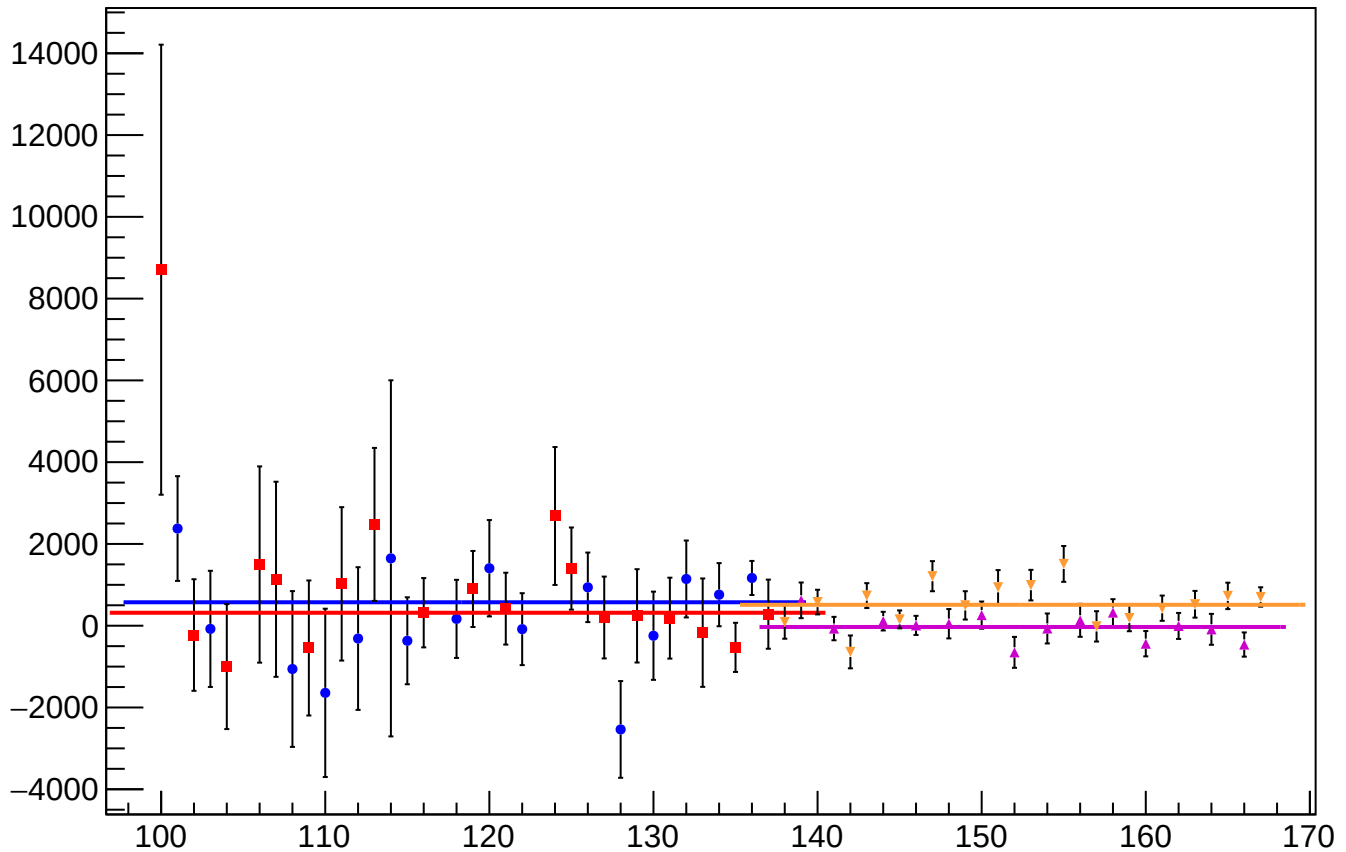
Left In: 270.210+/-0.058 χ^2/NDF : 951099.1/13

+ sign 300.128+/-0.052 χ^2/NDF : 6556278.8/31

All: 302.349+/-0.038 χ^2/NDF : 13614778.4/64

- sign 304.809+/-0.055 χ^2/NDF : 7054700.6/32

asym_sam_1526_avg_mean vs Slug



Right In: 573.374 ± 238.921 χ^2/NDF : 16.6/15

Left Out: 511.769 ± 80.948 χ^2/NDF : 28.2/15

Right Out: 316.830 ± 258.239 χ^2/NDF : 11.0/18

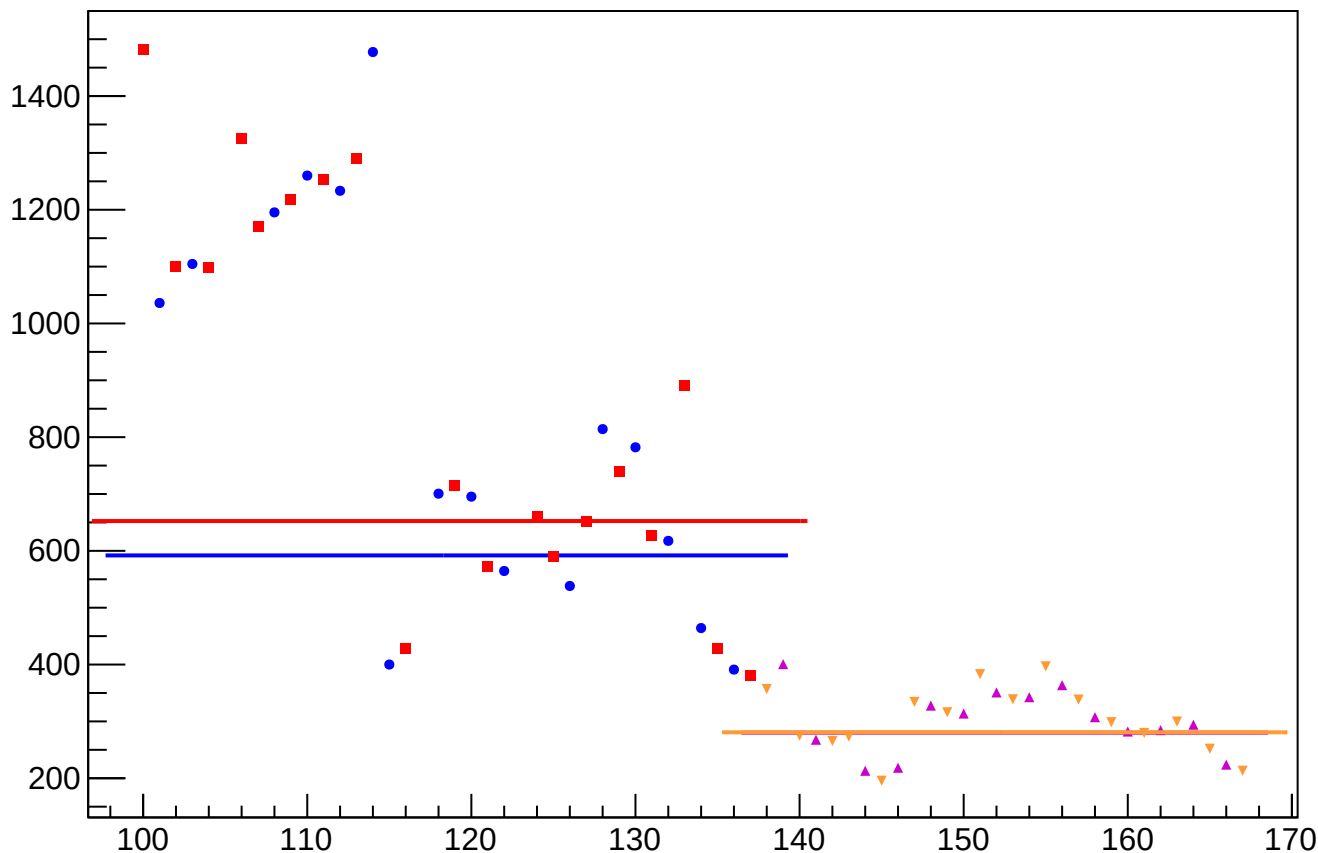
Left In: -30.863 ± 84.388 χ^2/NDF : 11.4/13

+ sign 518.112 ± 76.667 χ^2/NDF : 44.9/31

All: 272.045 ± 55.423 χ^2/NDF : 90.5/64

- sign 2.684 ± 80.214 χ^2/NDF : 24.0/32

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF : 2035700.6/15

Left Out: 280.797+/-0.057 χ^2/NDF : 985621.9/15

Right Out: 652.459+/-0.183 χ^2/NDF : 2089983.3/18

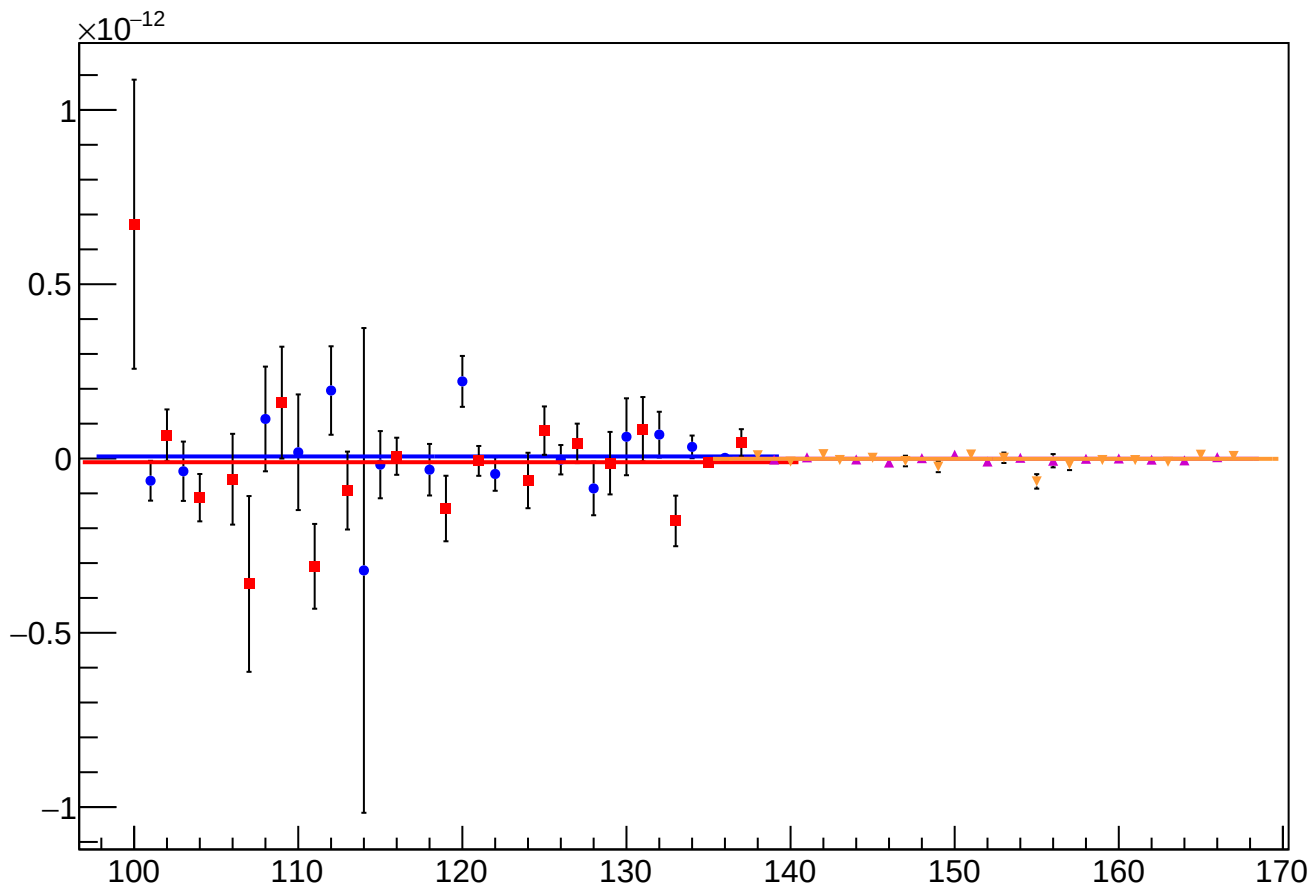
Left In: 280.121+/-0.060 χ^2/NDF : 826970.4/13

+ sign 312.839+/-0.054 χ^2/NDF : 6064607.9/31

All: 314.370+/-0.039 χ^2/NDF : 12739862.0/64

- sign 316.046+/-0.057 χ^2/NDF : 6673583.5/32

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 : 21.4/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.5/18

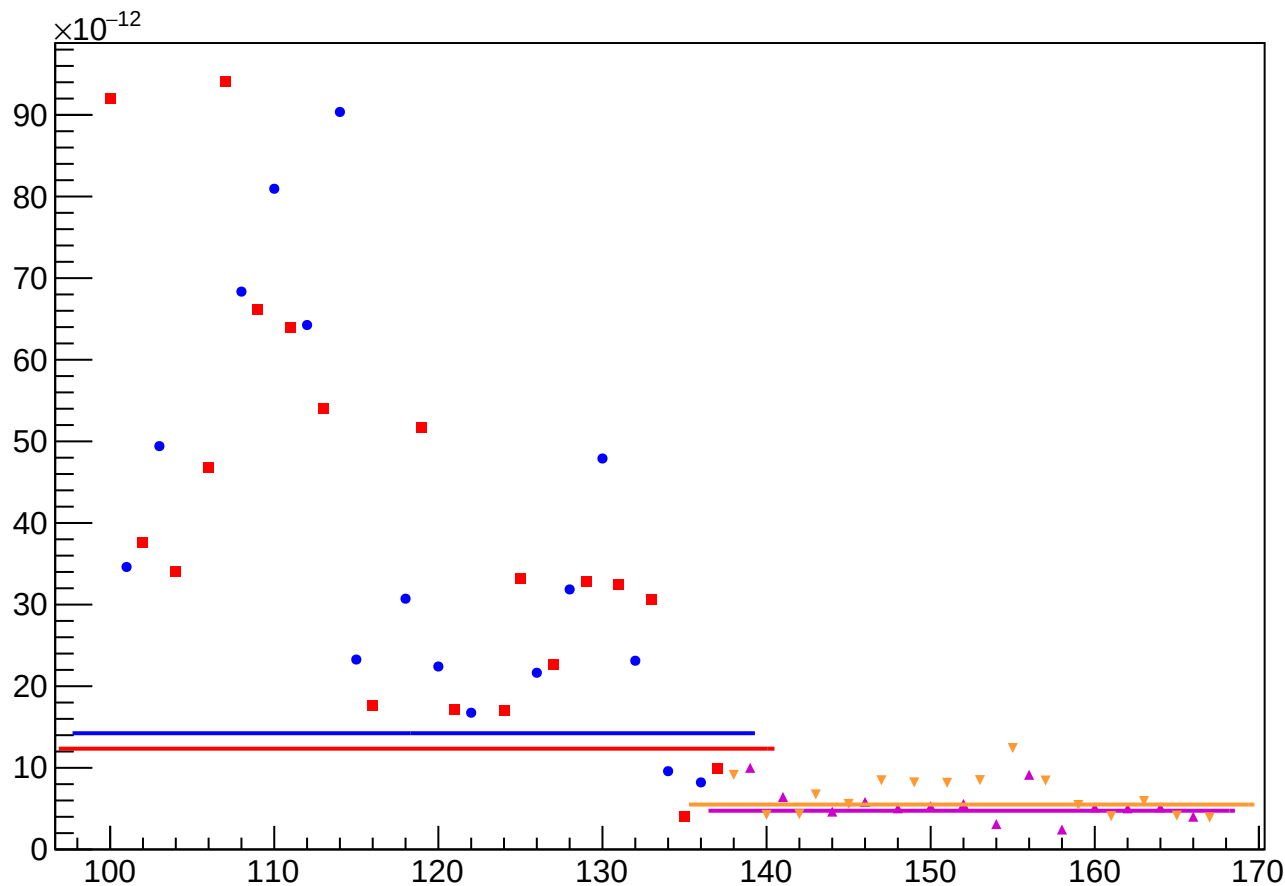
Left In: -0.000 ± 0.000 χ^2/NDF : 4.1/13

+ sign -0.000 ± 0.000 χ^2/NDF : 40.1/31

All: -0.000 ± 0.000 χ^2/NDF : 74.5/64

- sign -0.000 ± 0.000 χ^2/NDF : 34.3/32

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :1063364.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3472954.4/18

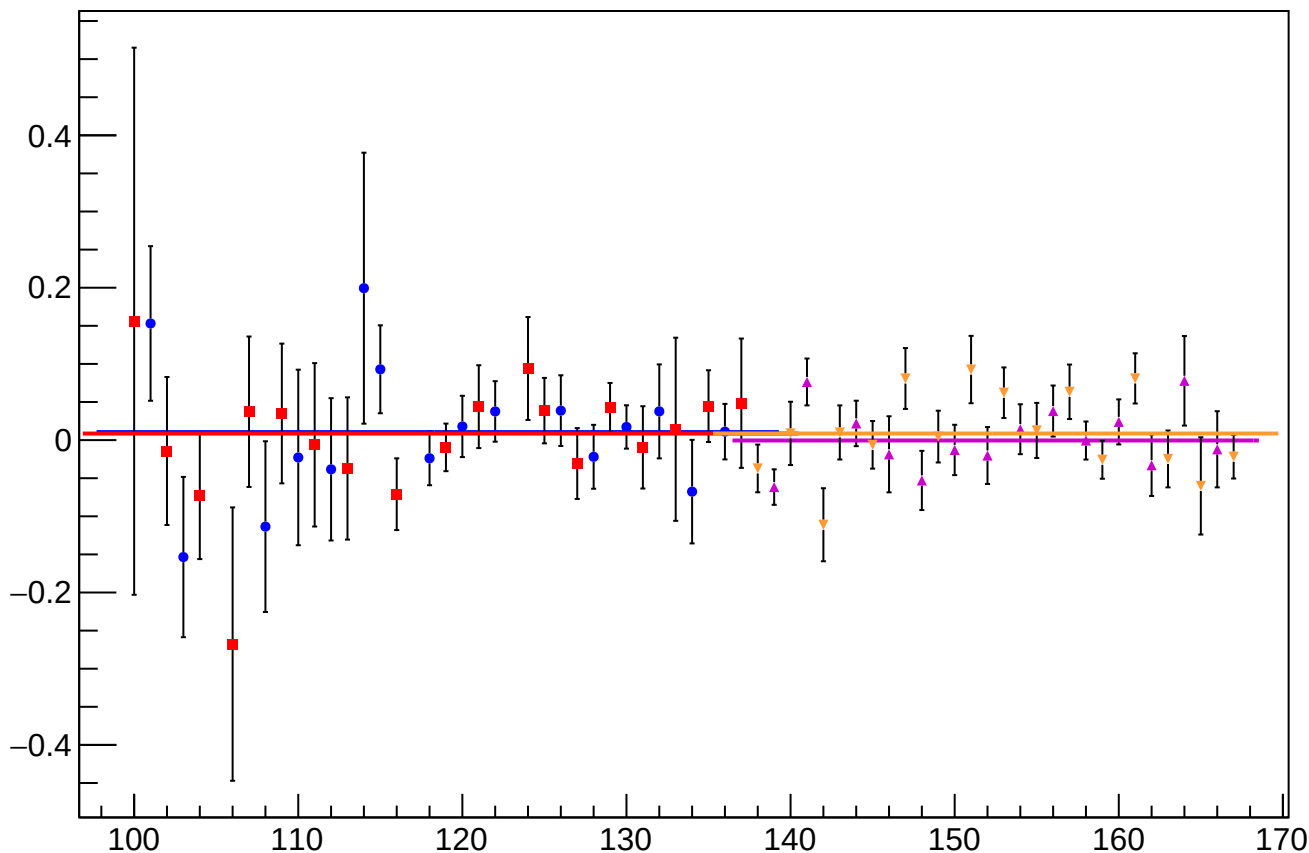
Left In: 0.000+/-0.000 χ^2/NDF :785766.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 4856335.8/31

All: 0.000+/-0.000 χ^2/NDF : 10209605.5/64

- sign 0.000+/-0.000 χ^2/NDF : 5241354.7/32

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: 0.009 $\pm$ 0.009 χ^2 /NDF:30.3/15

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

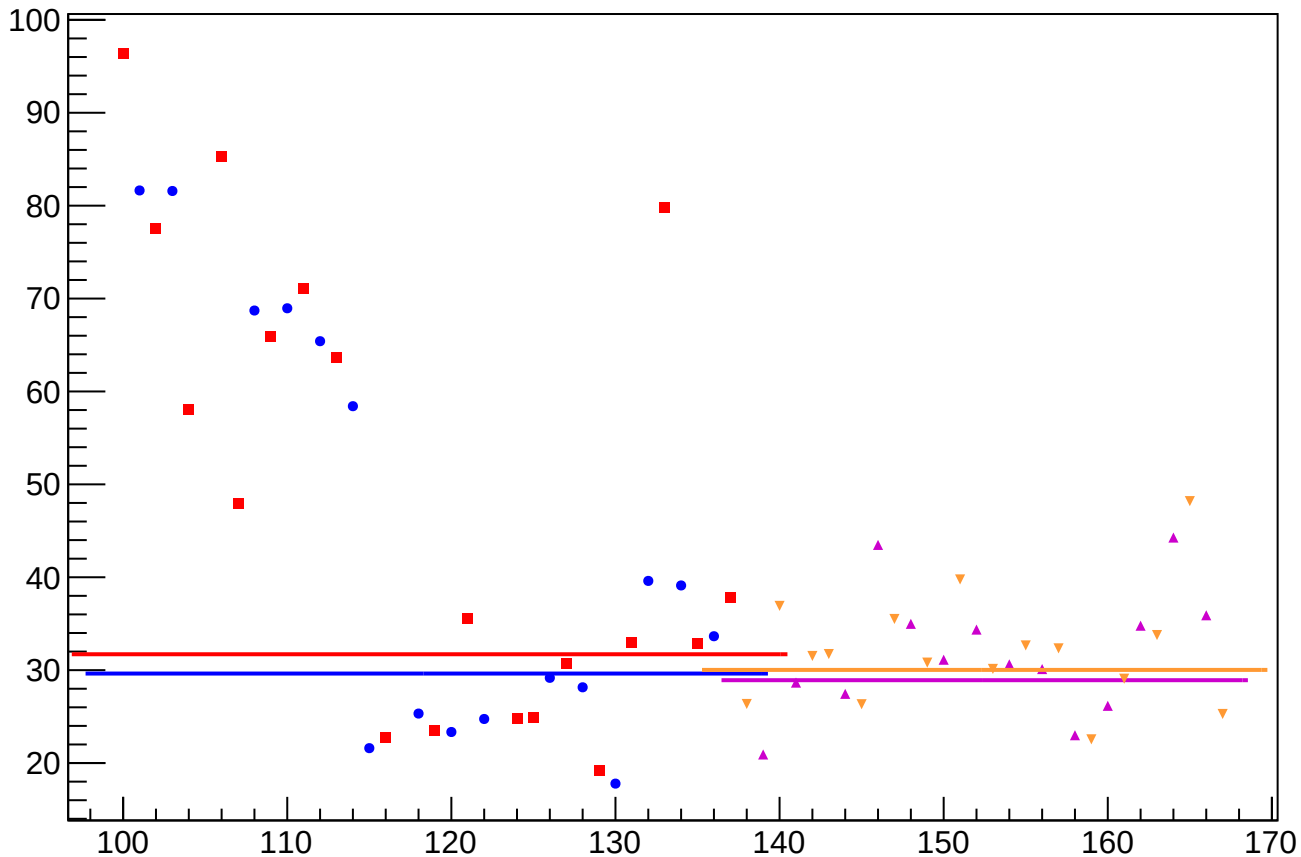
Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:20.8/13

+ sign 0.009 $\pm$ 0.007 χ^2 /NDF: 43.4/31

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 77.4/64

- sign 0.002 $\pm$ 0.007 χ^2 /NDF: 33.5/32

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: 30.027 $\pm$ 0.006 χ^2 /NDF:690474.5/15

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

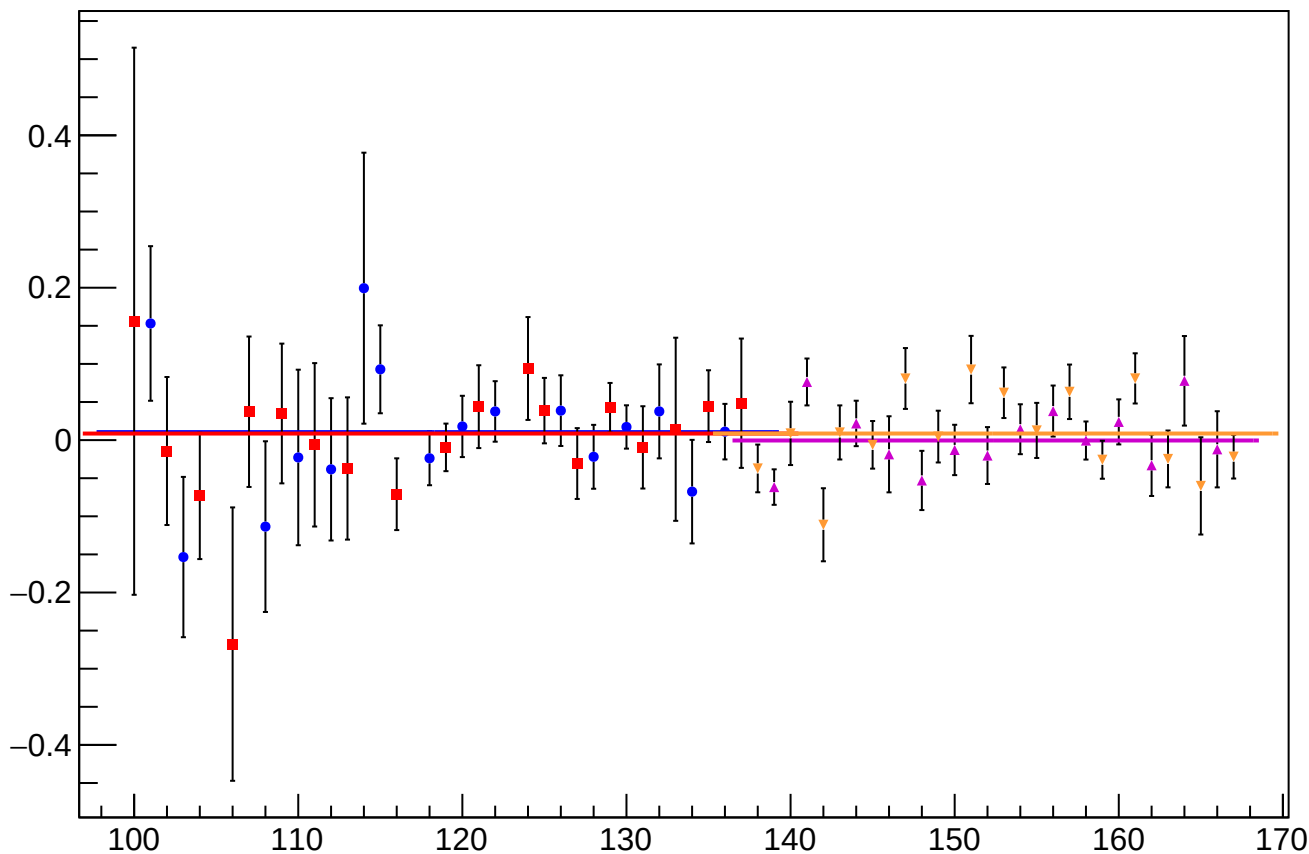
Left In: 28.919 $\pm$ 0.006 χ^2 /NDF:867069.5/13

+ sign 29.898 $\pm$ 0.005 χ^2 /NDF: 3140253.8/31

All: 29.846 $\pm$ 0.004 χ^2 /NDF: 6720273.9/64

- sign 29.790 $\pm$ 0.005 χ^2 /NDF: 3579798.0/32

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: 0.009 $\pm$ 0.009 χ^2 /NDF:30.3/15

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

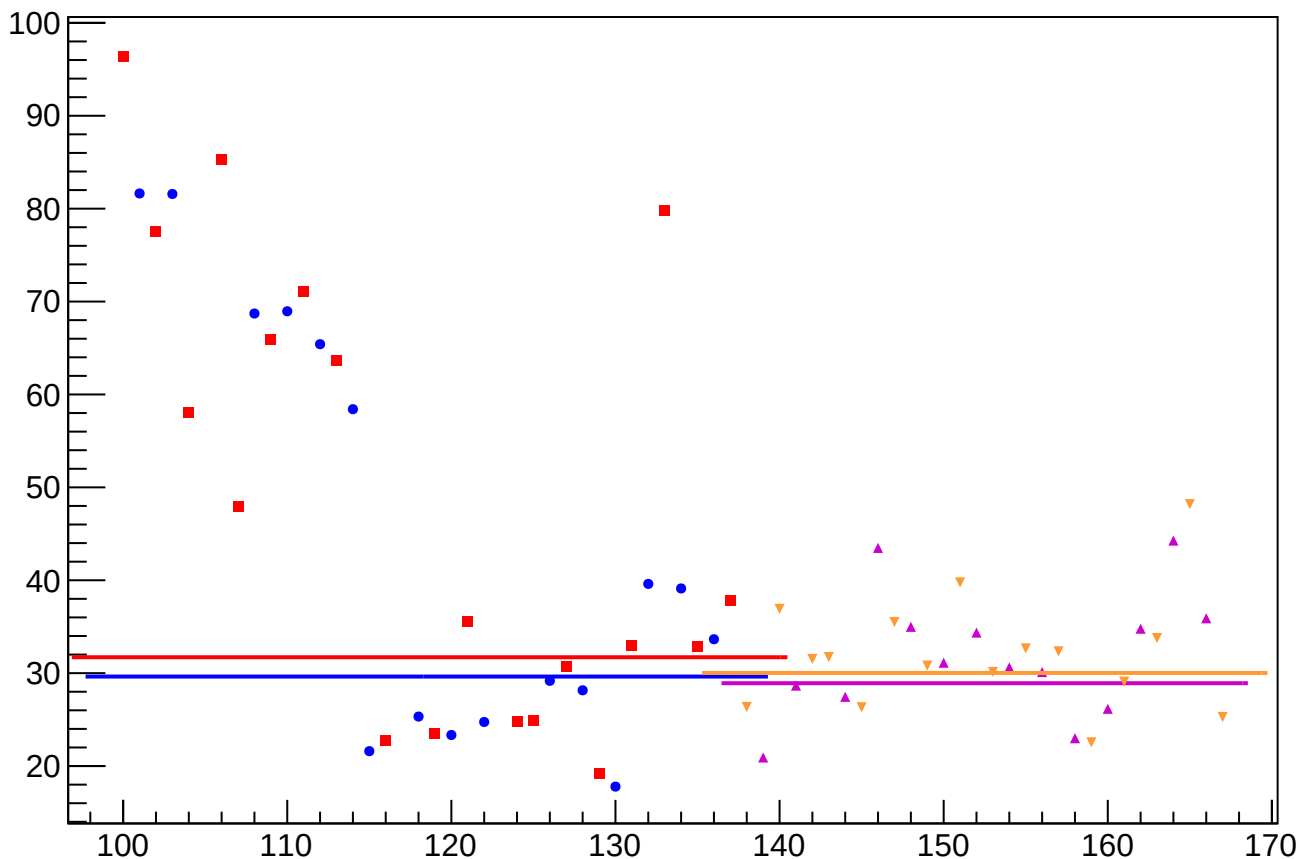
Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:20.8/13

+ sign 0.009 $\pm$ 0.007 χ^2 /NDF: 43.4/31

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 77.4/64

- sign 0.002 $\pm$ 0.007 χ^2 /NDF: 33.5/32

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: 30.027 $\pm$ 0.006 χ^2 /NDF: 690474.5/15

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

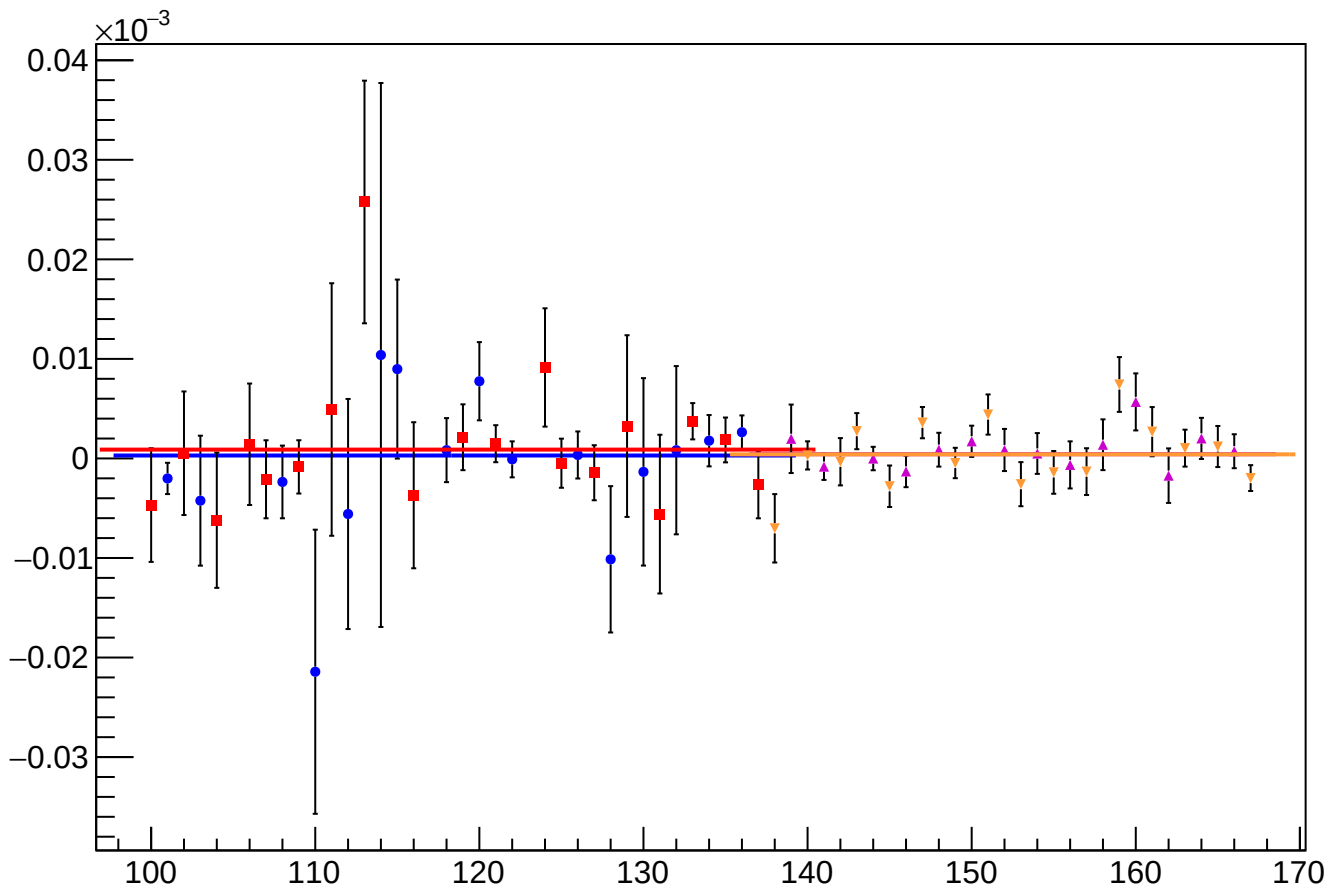
Left In: 28.919 $\pm$ 0.006 χ^2 /NDF: 867069.5/13

+ sign 29.898 $\pm$ 0.005 χ^2 /NDF: 3140253.8/31

All: 29.846 $\pm$ 0.004 χ^2 /NDF: 6720273.9/64

- sign 29.790 $\pm$ 0.005 χ^2 /NDF: 3579798.0/32

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:31.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/18

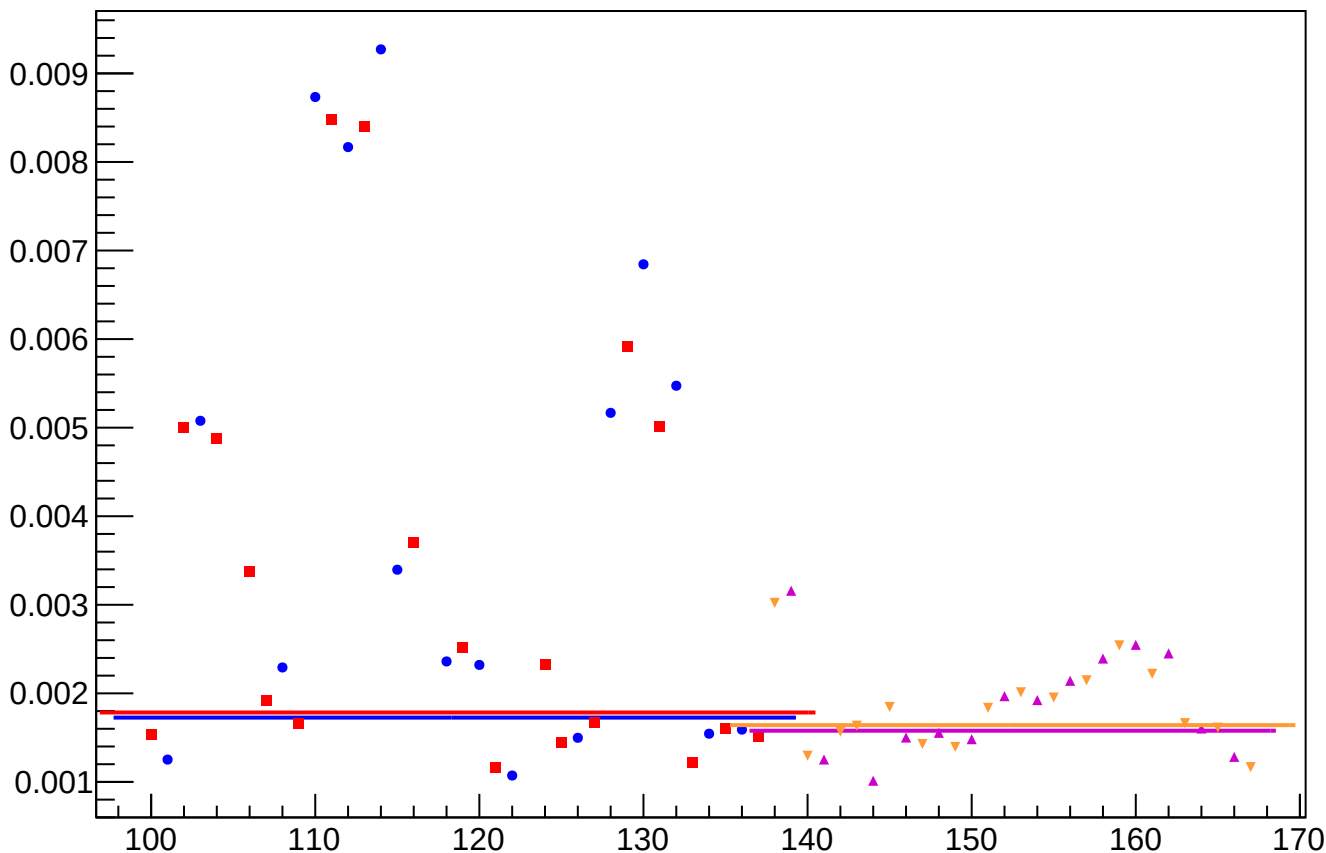
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:8.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/32

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:1353446.4/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3718778.6/18

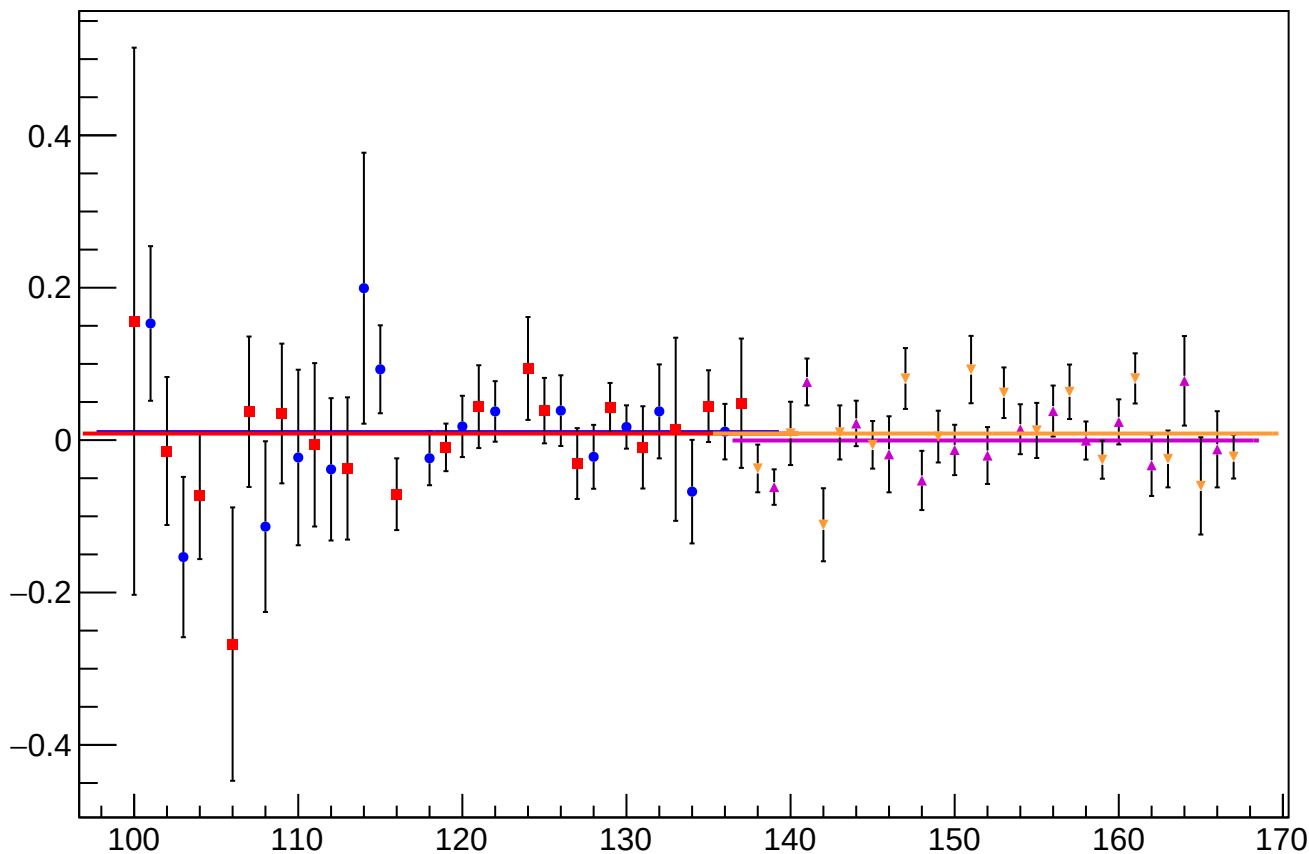
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1948963.7/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5303588.2/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 11076526.9/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5768186.6/32

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: 0.009 $\pm$ 0.009 χ^2 /NDF:30.3/15

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

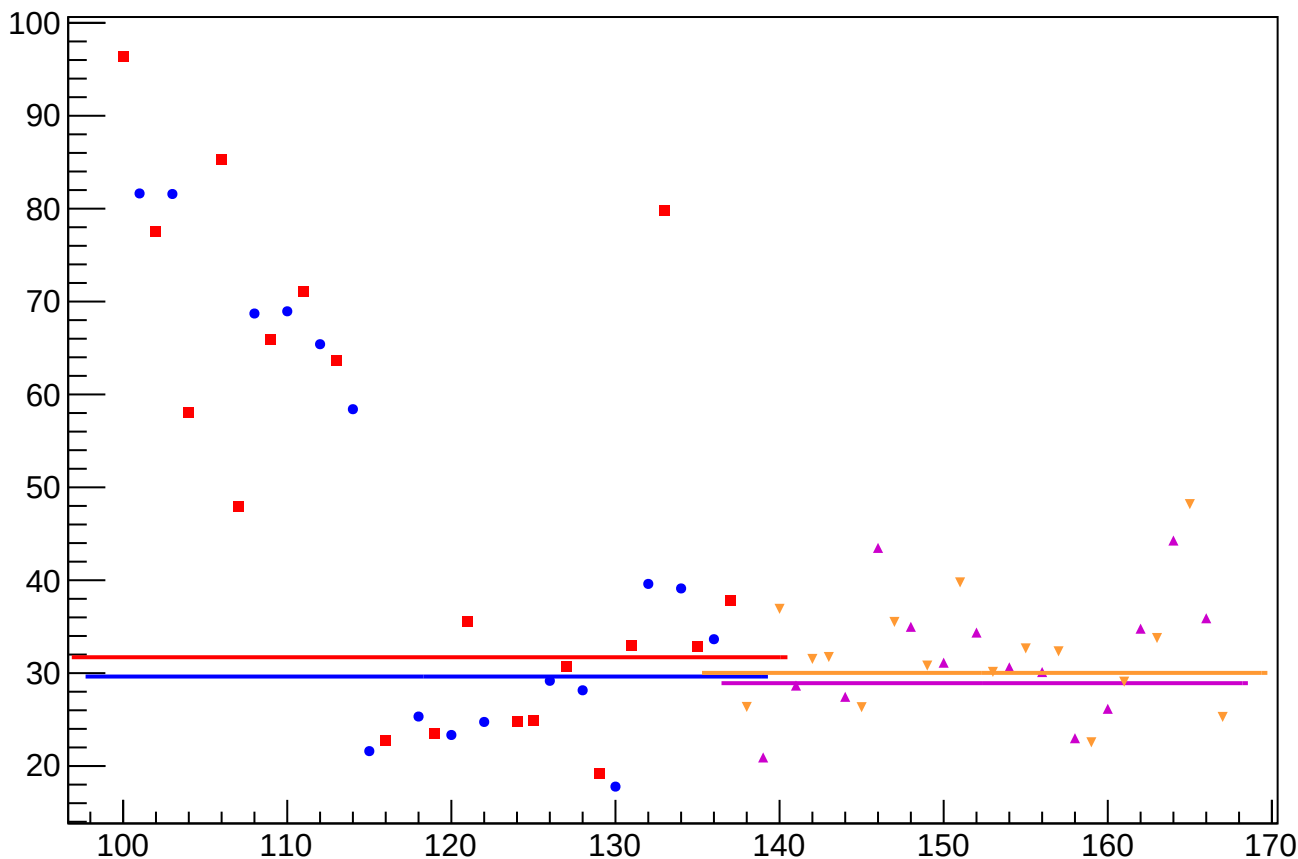
Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:20.8/13

+ sign 0.009 $\pm$ 0.007 χ^2 /NDF: 43.4/31

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 77.4/64

- sign 0.002 $\pm$ 0.007 χ^2 /NDF: 33.5/32

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.633+/-0.009 χ^2/NDF : 2448670.6/15

Left Out: 30.027+/-0.006 χ^2/NDF : 690486.0/15

Right Out: 31.711+/-0.009 χ^2/NDF : 2651638.6/18

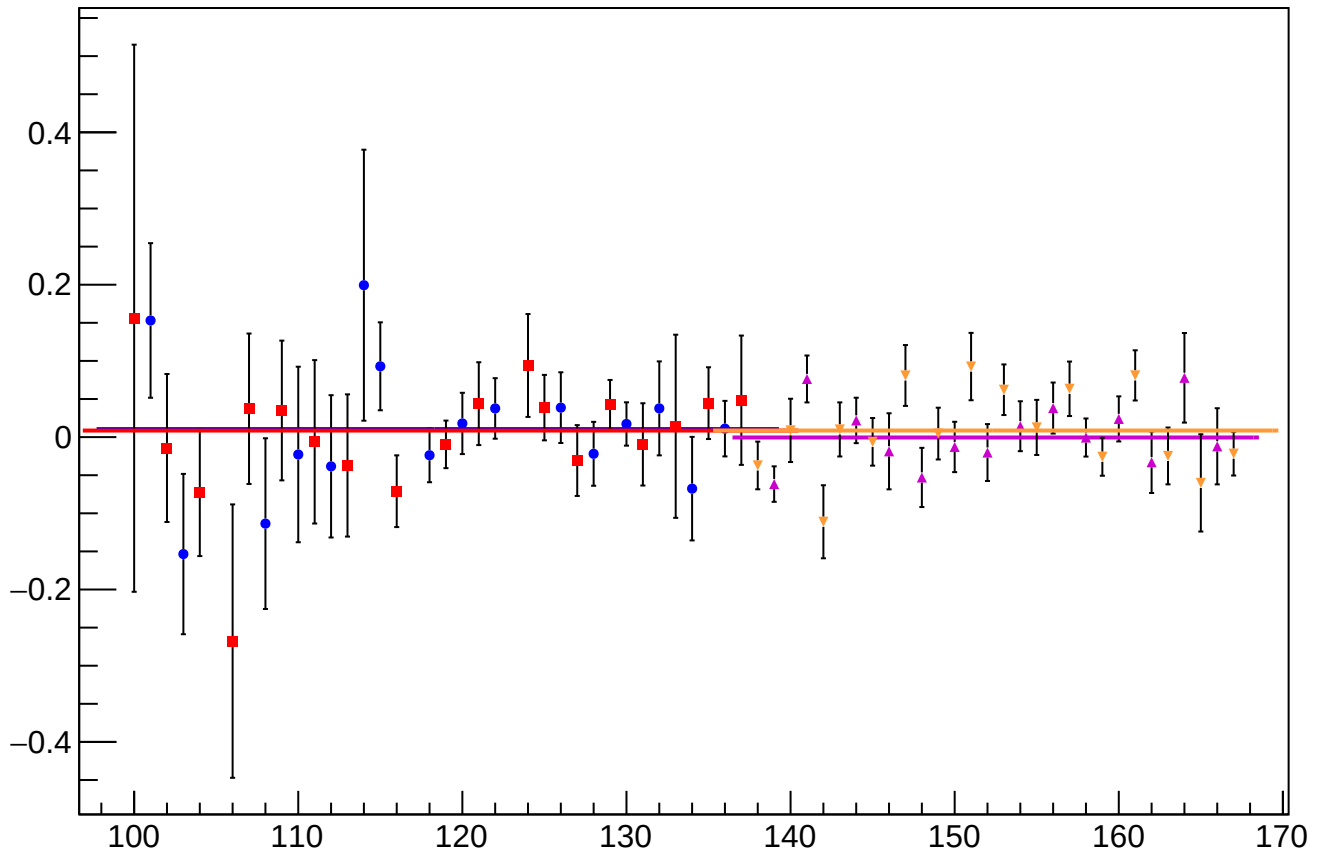
Left In: 28.919+/-0.006 χ^2/NDF : 867101.2/13

+ sign 29.898+/-0.005 χ^2/NDF : 3140478.0/31

All: 29.845+/-0.004 χ^2/NDF : 6720630.9/64

- sign 29.789+/-0.005 χ^2/NDF : 3579931.2/32

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: 0.009 $\pm$ 0.009 χ^2 /NDF:30.3/15

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

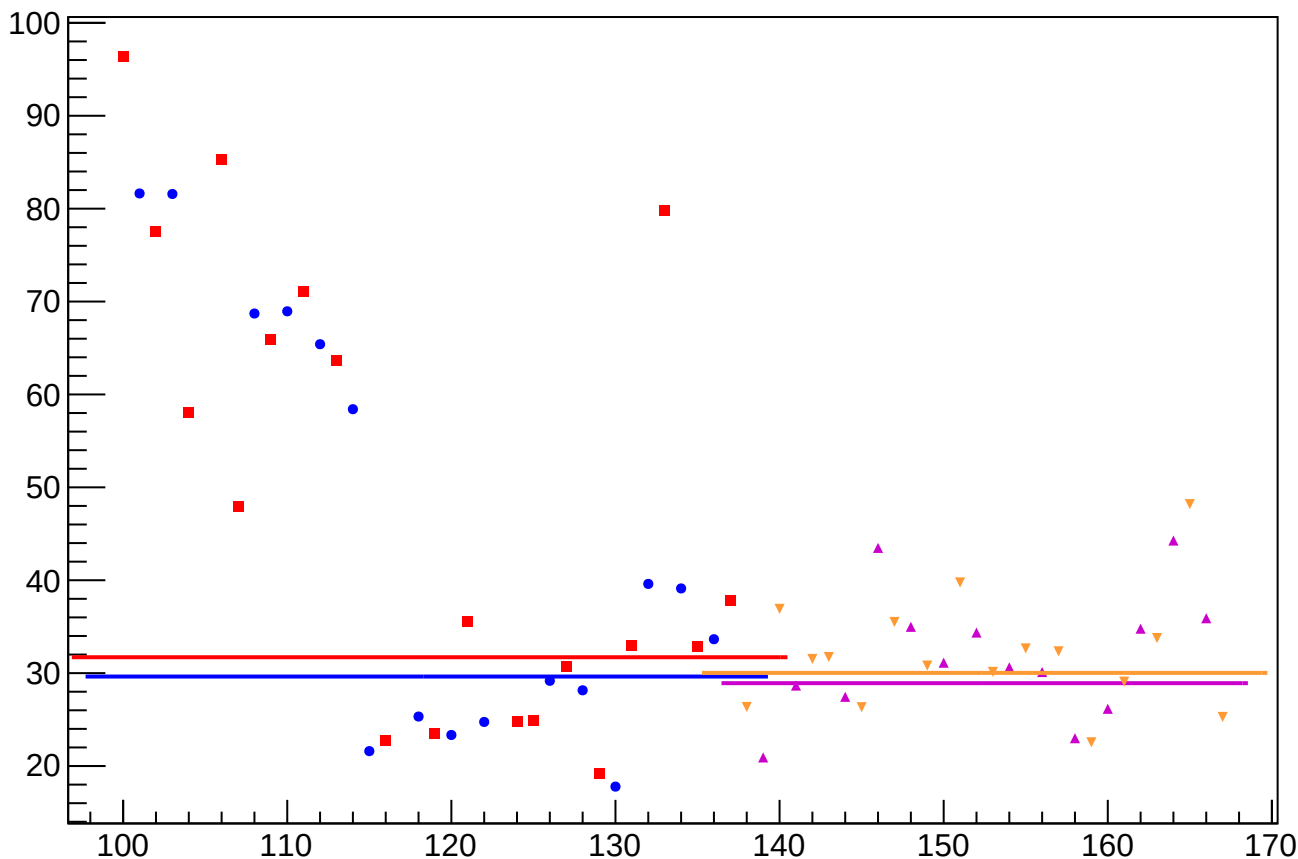
Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:20.8/13

+ sign 0.009 $\pm$ 0.007 χ^2 /NDF: 43.4/31

All: 0.006 $\pm$ 0.005 χ^2 /NDF: 77.4/64

- sign 0.002 $\pm$ 0.007 χ^2 /NDF: 33.5/32

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: 30.027 $\pm$ 0.006 χ^2 /NDF: 690486.0/15

Right Out: 31.711 $\pm$ 0.009 χ^2 /NDF: 2651638.6/18

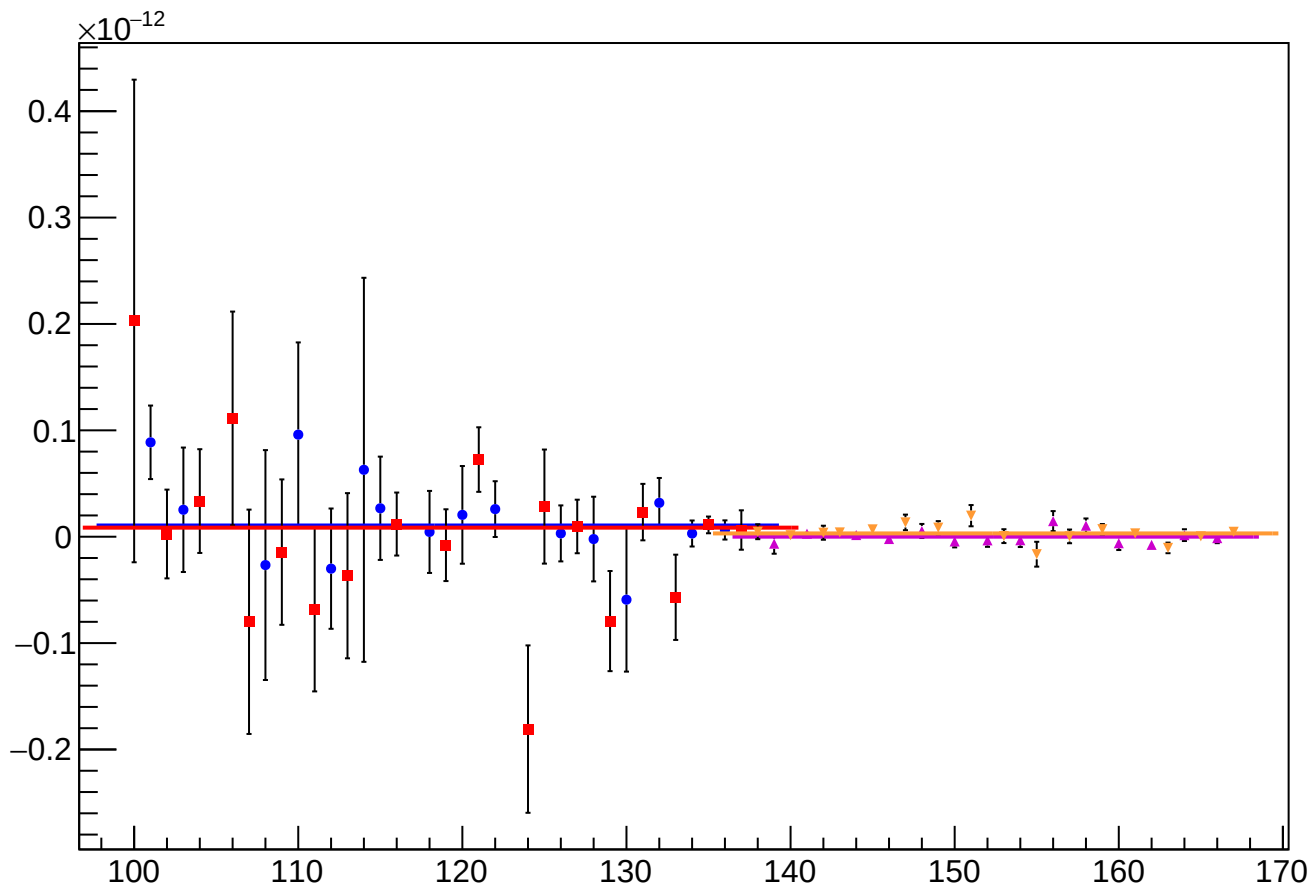
Left In: 28.919 $\pm$ 0.006 χ^2 /NDF: 867101.2/13

+ sign 29.898 $\pm$ 0.005 χ^2 /NDF: 3140478.0/31

All: 29.845 $\pm$ 0.004 χ^2 /NDF: 6720630.9/64

- sign 29.789 $\pm$ 0.005 χ^2 /NDF: 3579931.2/32

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:18.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

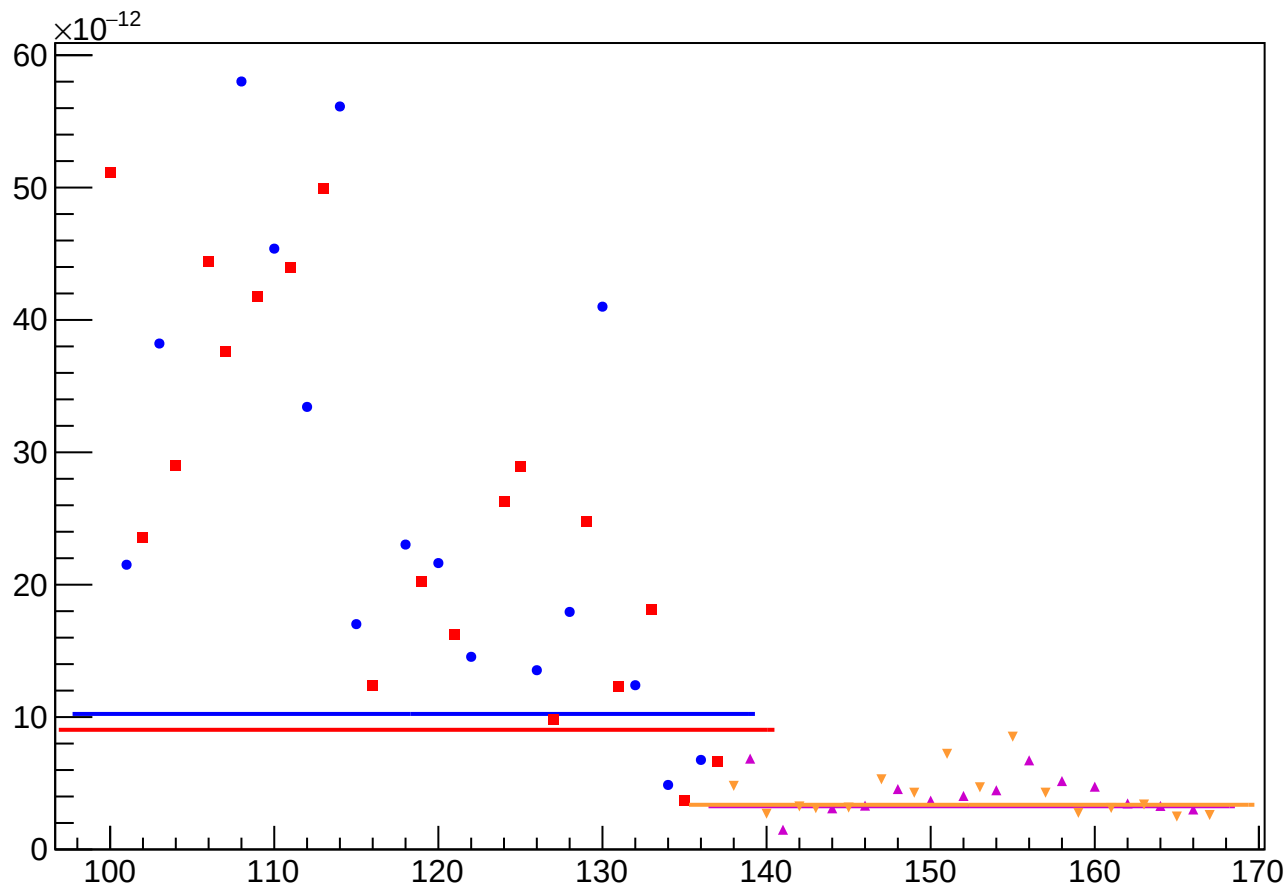
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:12.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 68.3/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.6/32

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 $\chi^2/\text{NDF}: 3511693.1/15$

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 1361446.1/15$

Right Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 4514368.5/18$

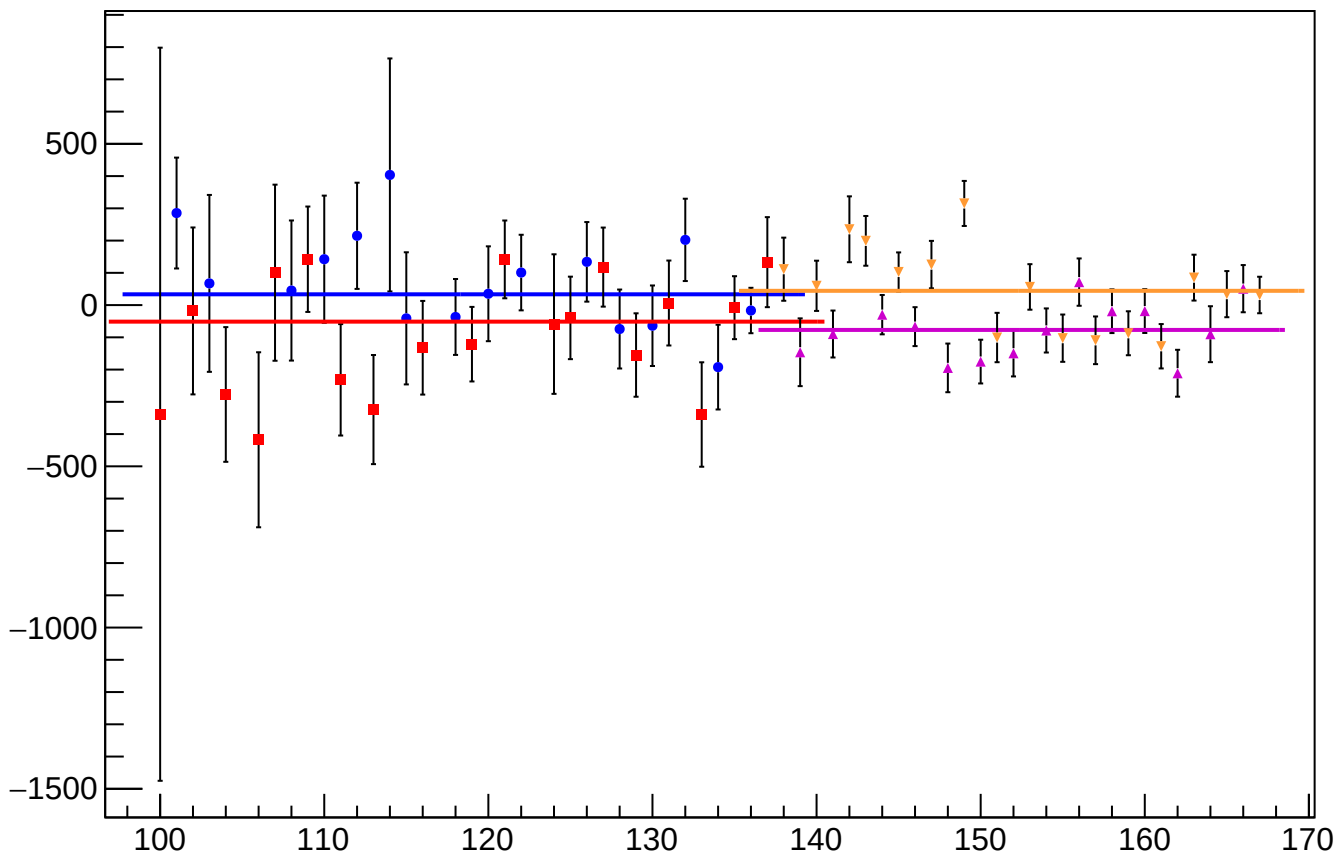
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 1894856.1/13$

+ sign 0.000+/-0.000 $\chi^2/\text{NDF}: 7374446.2/31$

All: 0.000+/-0.000 $\chi^2/\text{NDF}: 15601869.6/64$

- sign 0.000+/-0.000 $\chi^2/\text{NDF}: 8216756.9/32$

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431 $\pm$ 33.881 χ^2/NDF : 12.8/15

Left Out: 44.237 $\pm$ 18.059 χ^2/NDF : 47.5/15

Right Out: -51.335 $\pm$ 34.851 χ^2/NDF : 19.6/18

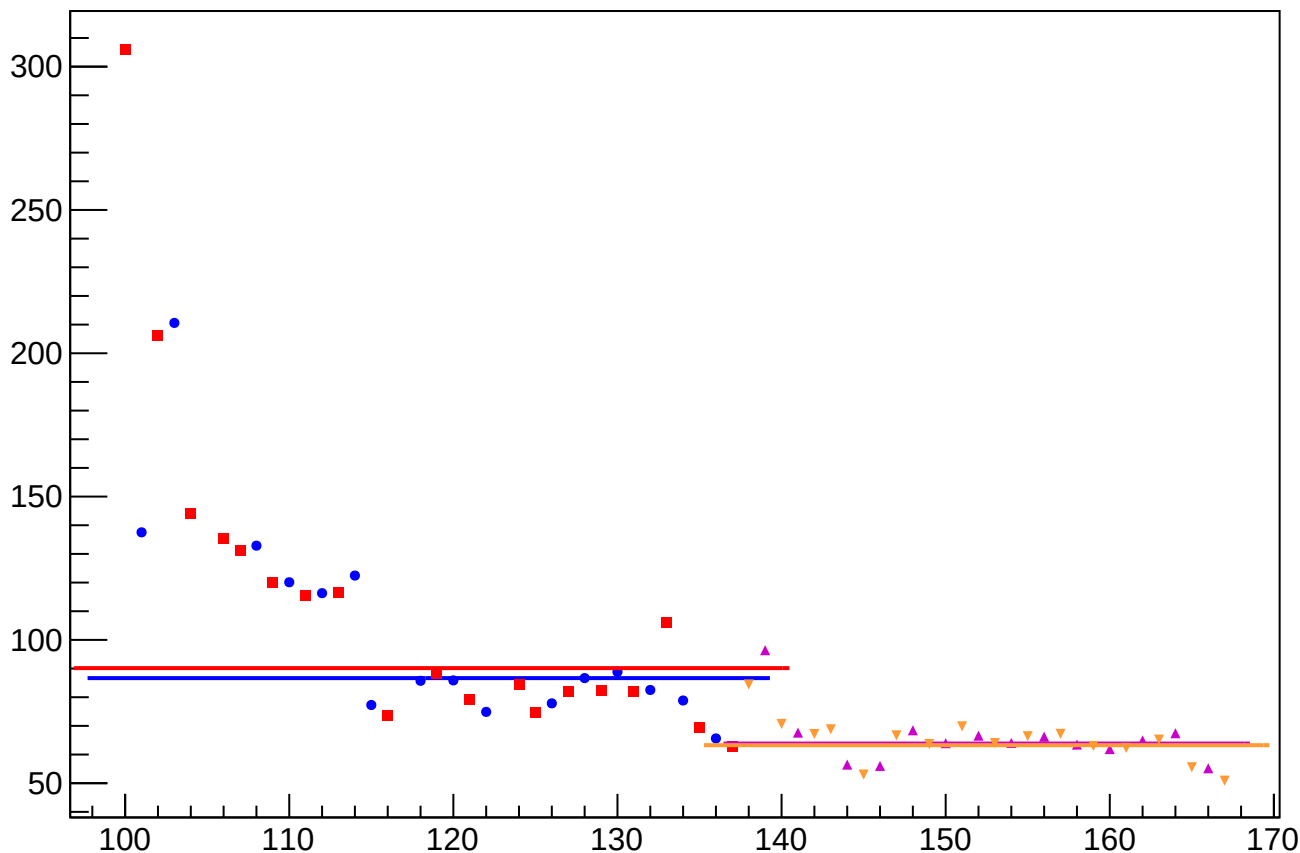
Left In: -77.035 $\pm$ 19.060 χ^2/NDF : 18.7/13

+ sign 41.846 $\pm$ 15.937 χ^2/NDF : 60.4/31

All: -11.920 $\pm$ 11.537 χ^2/NDF : 123.0/64

- sign -71.118 $\pm$ 16.723 χ^2/NDF : 38.7/32

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF : 1038813.4/15

Left Out: 63.263+/-0.013 χ^2/NDF : 331702.0/15

Right Out: 90.153+/-0.025 χ^2/NDF : 1149976.9/18

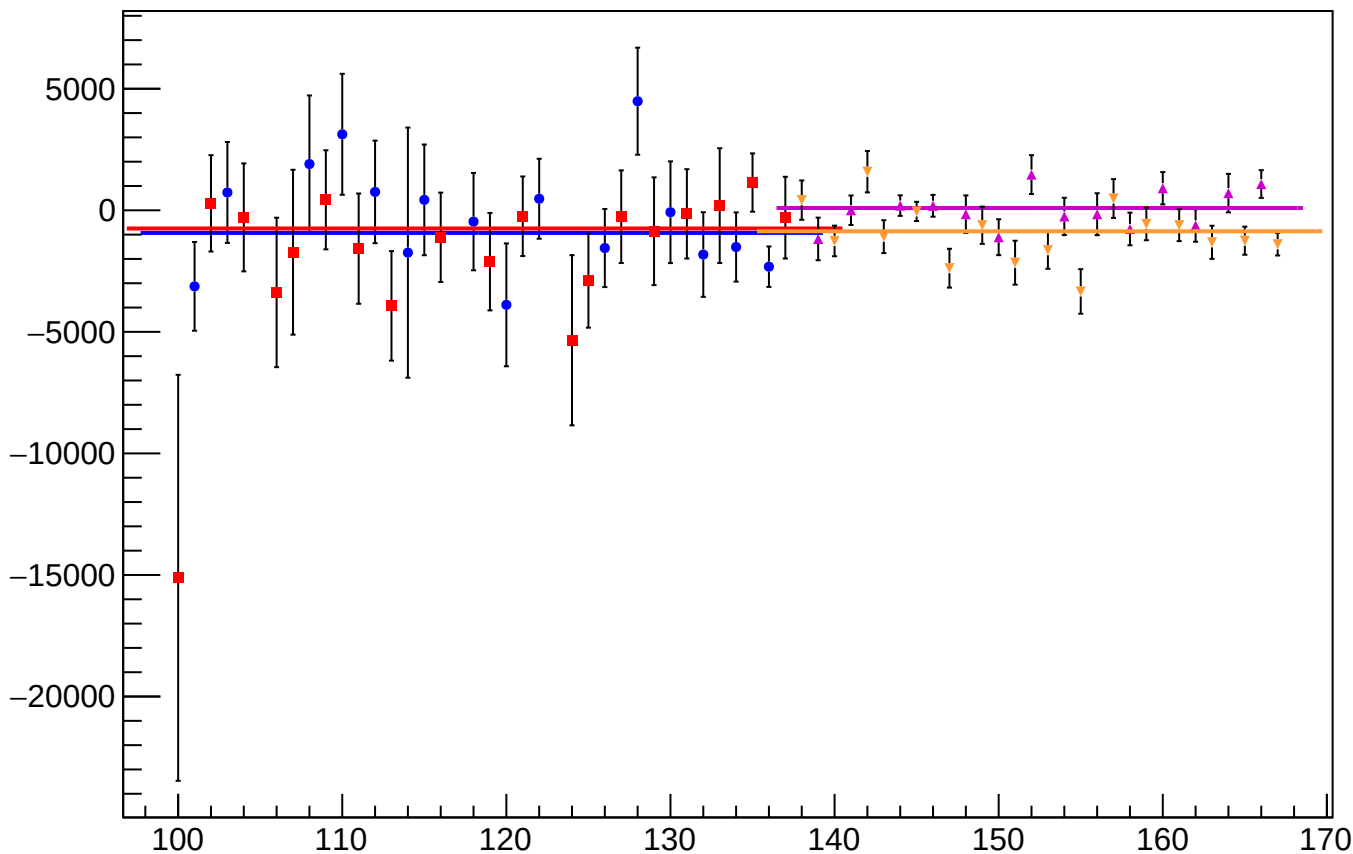
Left In: 63.842+/-0.013 χ^2/NDF : 305951.5/13

+ sign 68.441+/-0.011 χ^2/NDF : 2113680.9/31

All: 69.135+/-0.008 χ^2/NDF : 4455065.6/64

- sign 69.900+/-0.012 χ^2/NDF : 2333408.9/32

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -929.821 ± 440.893 χ^2/NDF : 18.5/15

Left Out: -861.937 ± 163.586 χ^2/NDF : 35.1/15

Right Out: -747.199 ± 467.902 χ^2/NDF : 13.0/18

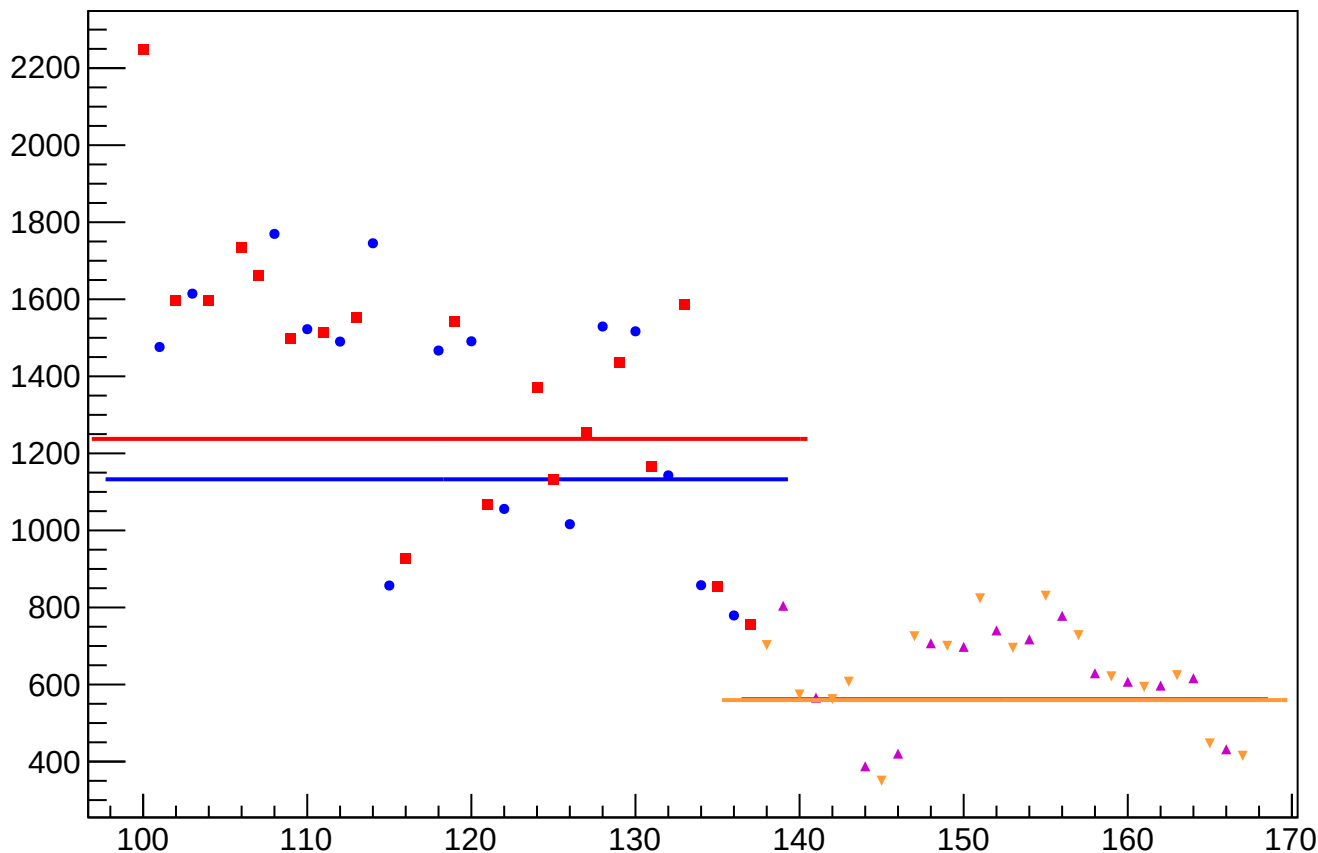
Left In: 94.886 ± 171.258 χ^2/NDF : 16.1/13

+ sign -870.152 ± 153.369 χ^2/NDF : 53.6/31

All: -457.900 ± 110.990 χ^2/NDF : 100.8/64

- sign -4.597 ± 160.824 χ^2/NDF : 32.0/32

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688 $\pm$ 0.312 χ^2 /NDF: 1124151.1/15

Left Out: 559.612 $\pm$ 0.116 χ^2 /NDF: 1597356.8/15

Right Out: 1237.591 $\pm$ 0.331 χ^2 /NDF: 895314.3/18

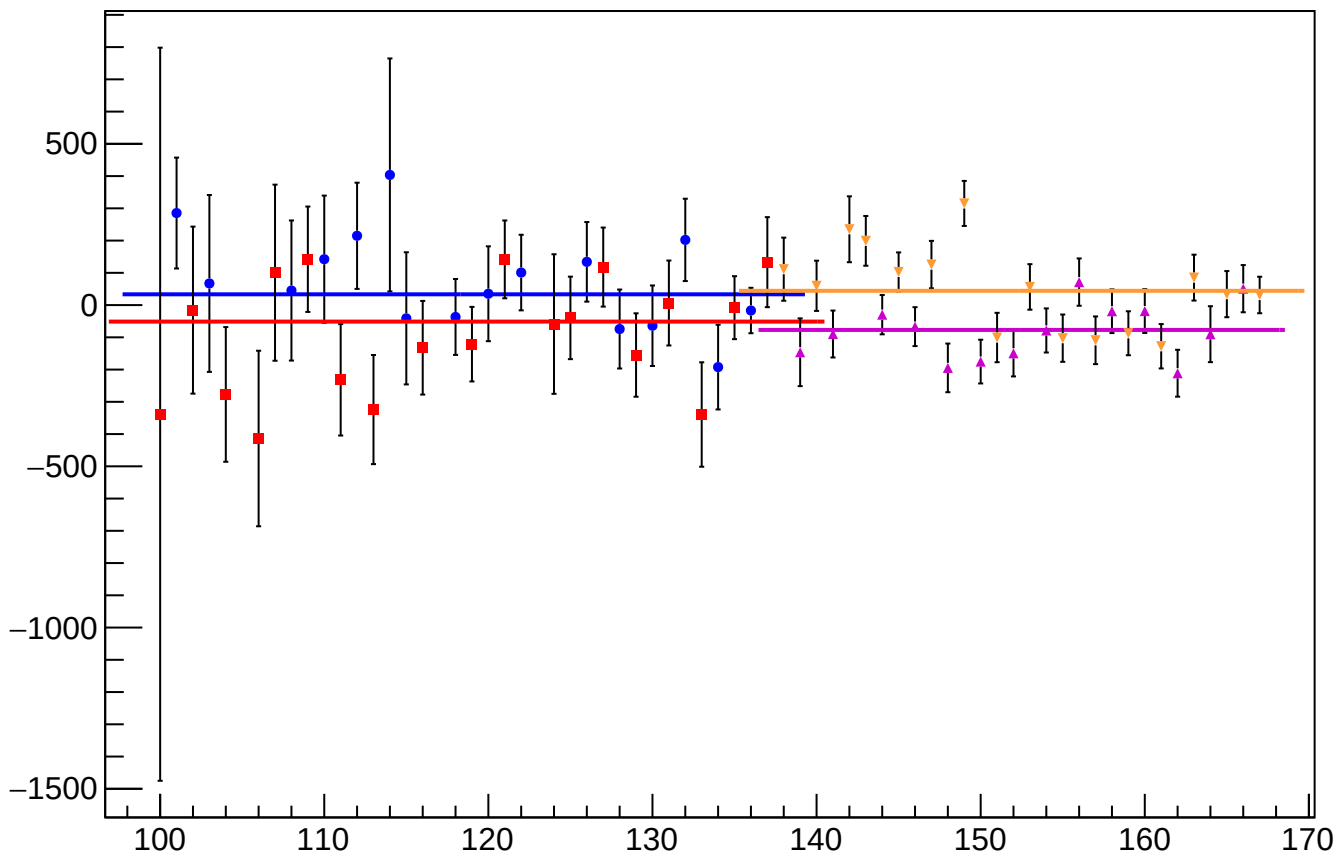
Left In: 561.895 $\pm$ 0.121 χ^2 /NDF: 1285335.0/13

+ sign 628.958 $\pm$ 0.108 χ^2 /NDF: 5691623.8/31

All: 635.037 $\pm$ 0.078 χ^2 /NDF: 11556958.7/64

- sign 641.721 $\pm$ 0.114 χ^2 /NDF: 5858738.4/32

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 ± 33.881 χ^2/NDF : 12.8/15

Left Out: 44.240 ± 18.059 χ^2/NDF : 47.5/15

Right Out: -51.188 ± 34.853 χ^2/NDF : 19.5/18

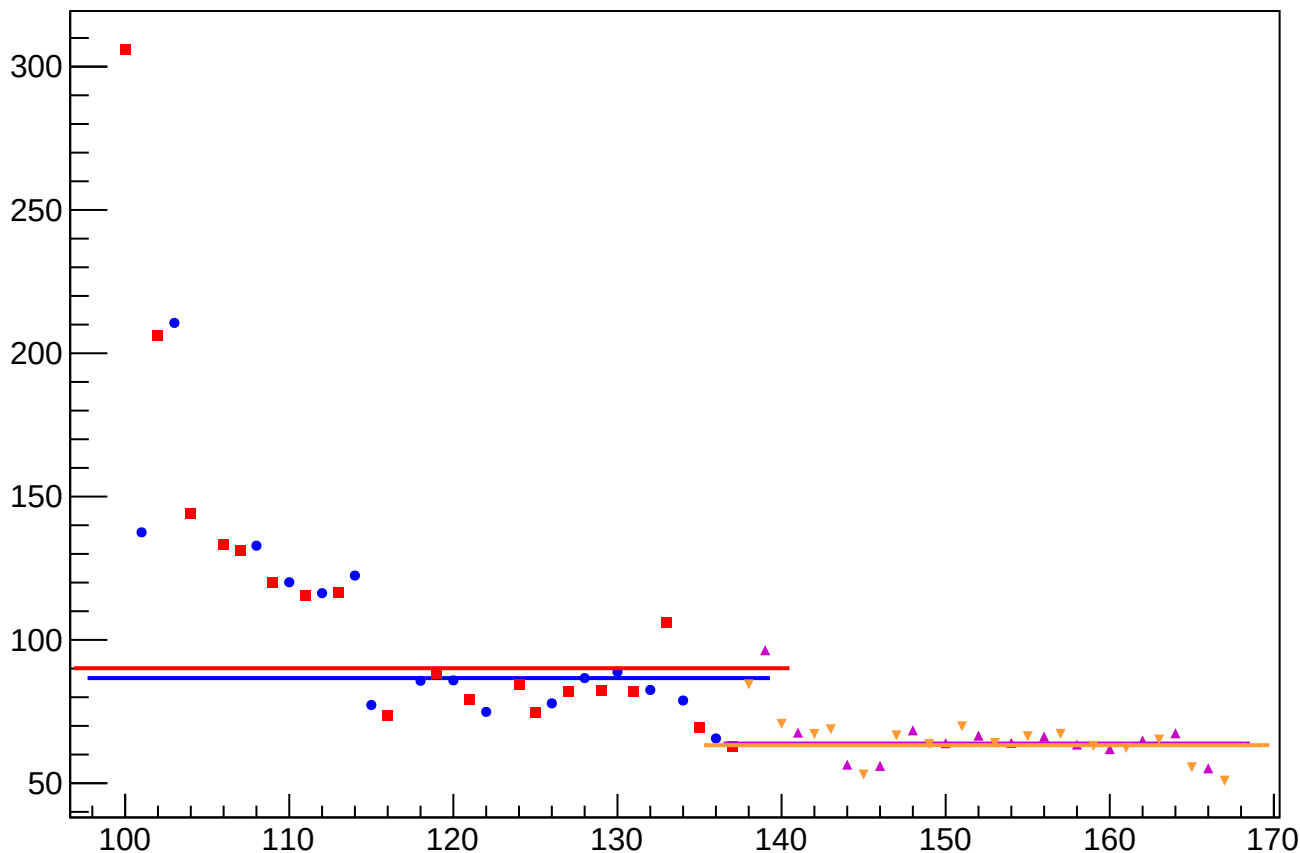
Left In: -77.035 ± 19.060 χ^2/NDF : 18.7/13

+ sign 41.847 ± 15.937 χ^2/NDF : 60.4/31

All: -11.903 ± 11.537 χ^2/NDF : 123.0/64

- sign -71.085 ± 16.723 χ^2/NDF : 38.6/32

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2 /NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2 /NDF: 331702.0/15

Right Out: 90.116+/-0.025 χ^2 /NDF: 1145283.2/18

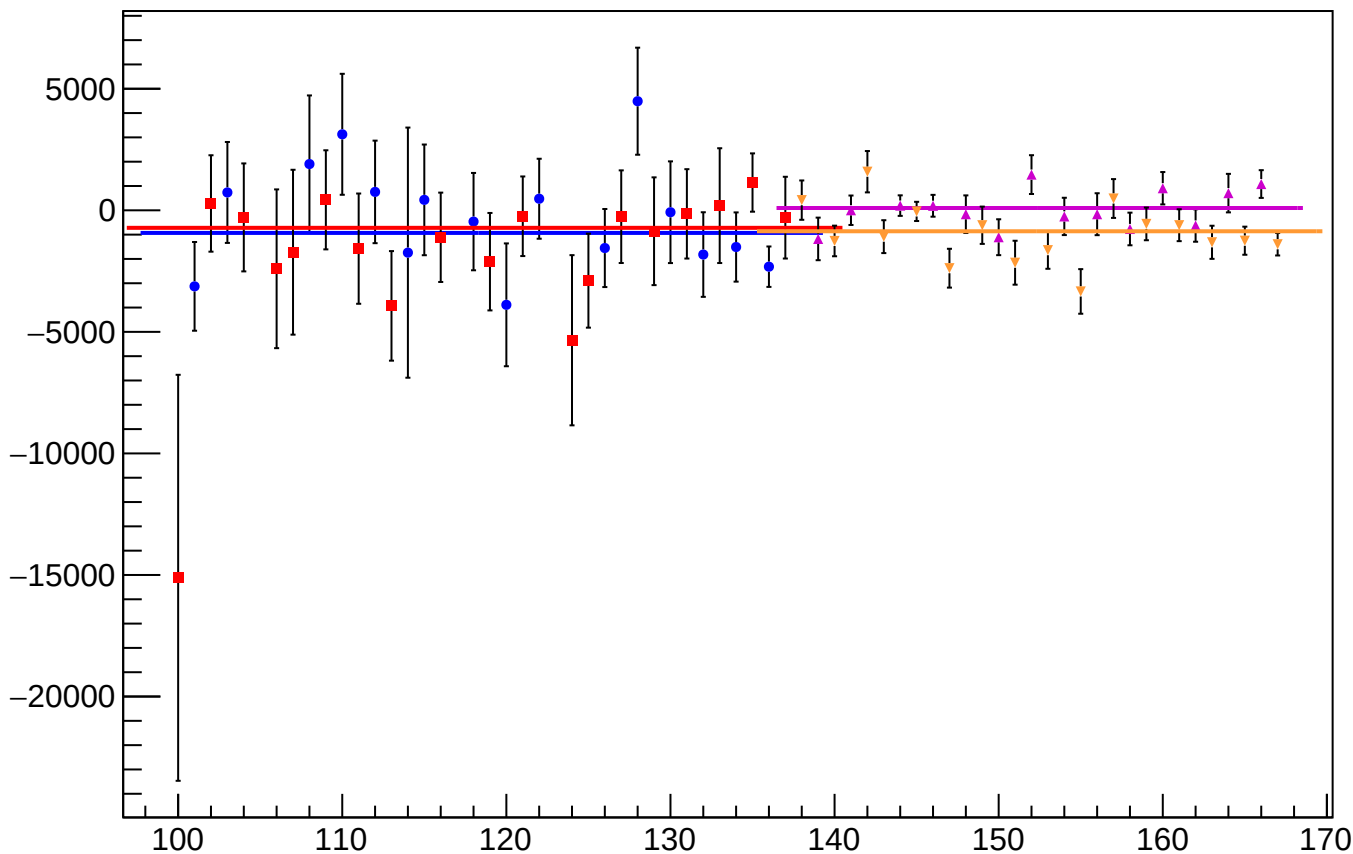
Left In: 63.842+/-0.013 χ^2 /NDF: 305951.5/13

+ sign 68.441+/-0.011 χ^2 /NDF: 2113683.3/31

All: 69.131+/-0.008 χ^2 /NDF: 4447720.8/64

- sign 69.890+/-0.012 χ^2 /NDF: 2326161.2/32

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -929.788 $\pm$ 440.894 χ^2 /NDF: 18.5/15

Left Out: -861.932 $\pm$ 163.586 χ^2 /NDF:35.1/15

Right Out: -720.600 $\pm$ 468.540 χ^2 /NDF: 12.5/18

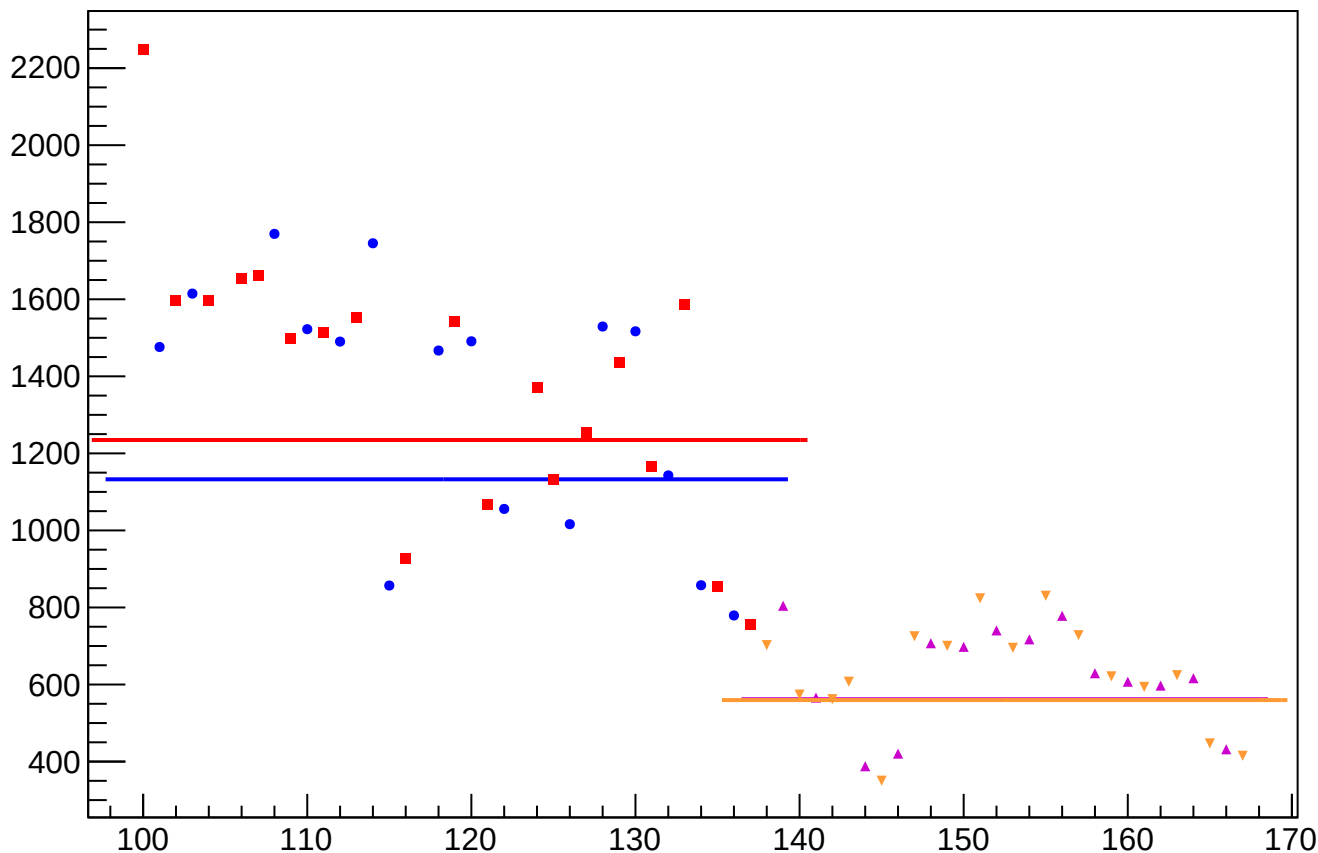
Left In: 94.884 $\pm$ 171.258 χ^2 /NDF:16.1/13

+ sign -870.143 $\pm$ 153.369 χ^2 /NDF: 53.6/31

All: -456.359 $\pm$ 110.999 χ^2 /NDF: 100.3/64

- sign -1.225 $\pm$ 160.850 χ^2 /NDF: 31.3/32

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF : 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF : 1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF : 876272.4/18

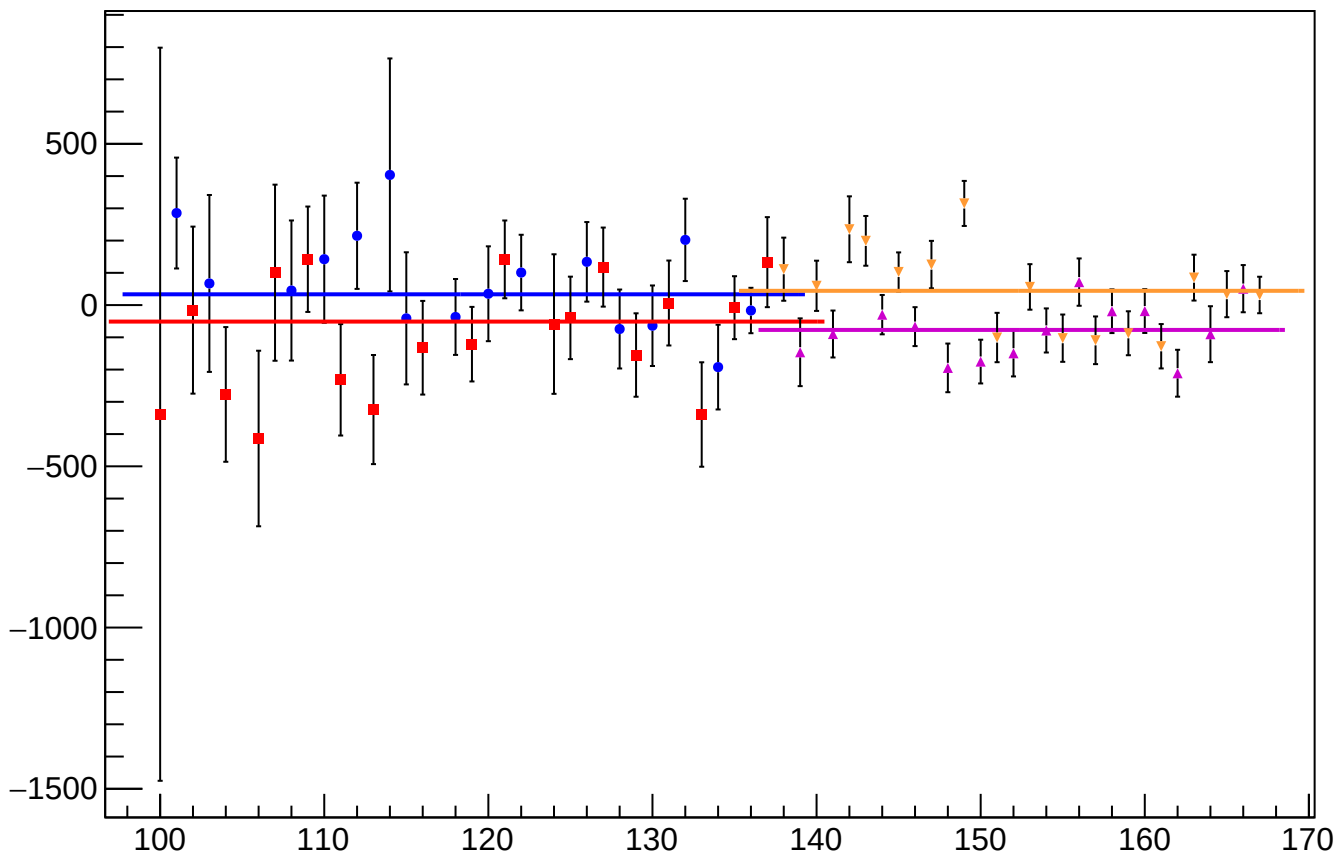
Left In: 561.895+/-0.121 χ^2/NDF : 1285336.6/13

+ sign 628.958+/-0.108 χ^2/NDF : 5691667.4/31

All: 634.783+/-0.078 χ^2/NDF : 11497362.8/64

- sign 641.190+/-0.114 χ^2/NDF : 5799637.0/32

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 ± 33.881 χ^2/NDF : 12.8/15

Left Out: 44.240 ± 18.059 χ^2/NDF : 47.5/15

Right Out: -51.188 ± 34.853 χ^2/NDF : 19.5/18

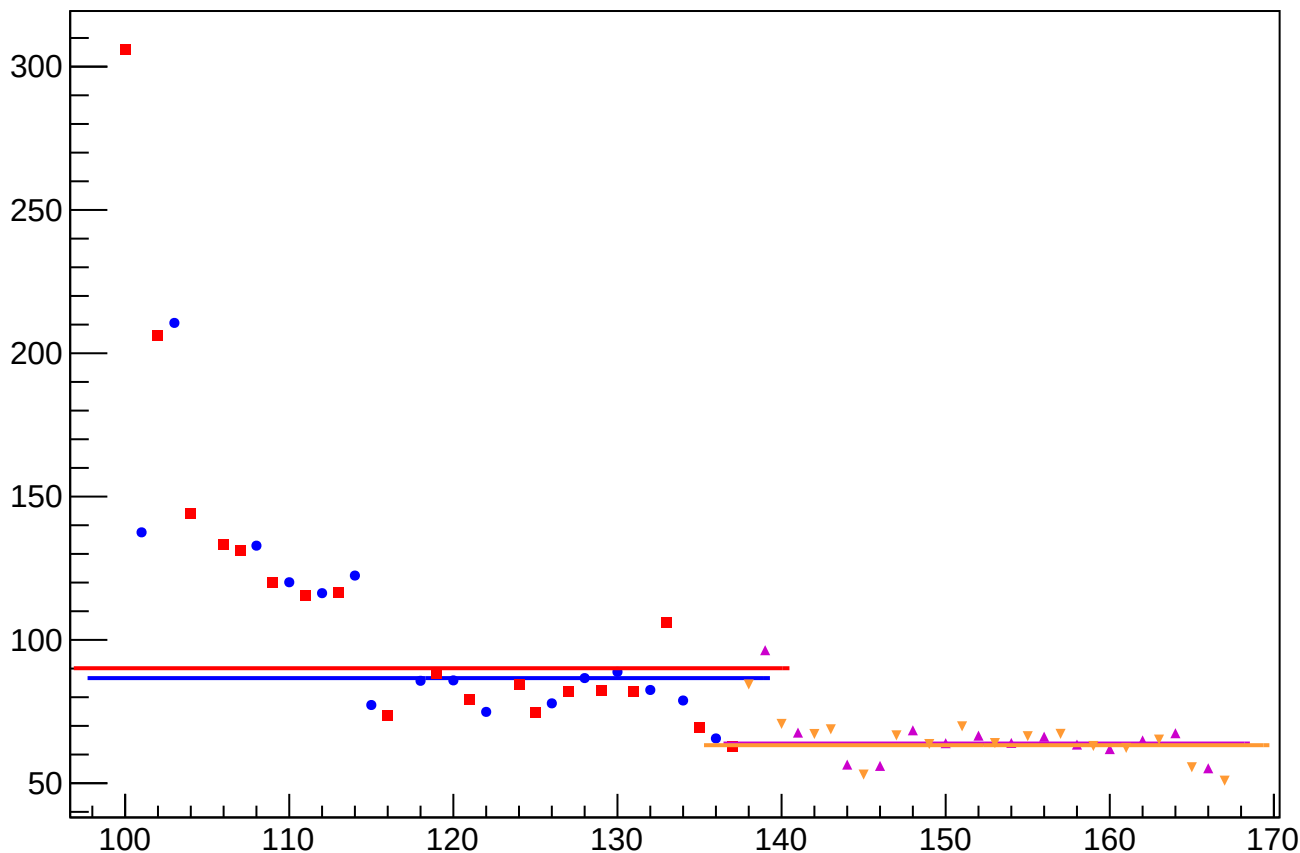
Left In: -77.035 ± 19.060 χ^2/NDF : 18.7/13

+ sign 41.847 ± 15.937 χ^2/NDF : 60.4/31

All: -11.903 ± 11.537 χ^2/NDF : 123.0/64

- sign -71.085 ± 16.723 χ^2/NDF : 38.6/32

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038816.2/15

Left Out: 63.263 $\pm$ 0.013 χ^2 /NDF: 331702.0/15

Right Out: 90.116 $\pm$ 0.025 χ^2 /NDF: 1145283.2/18

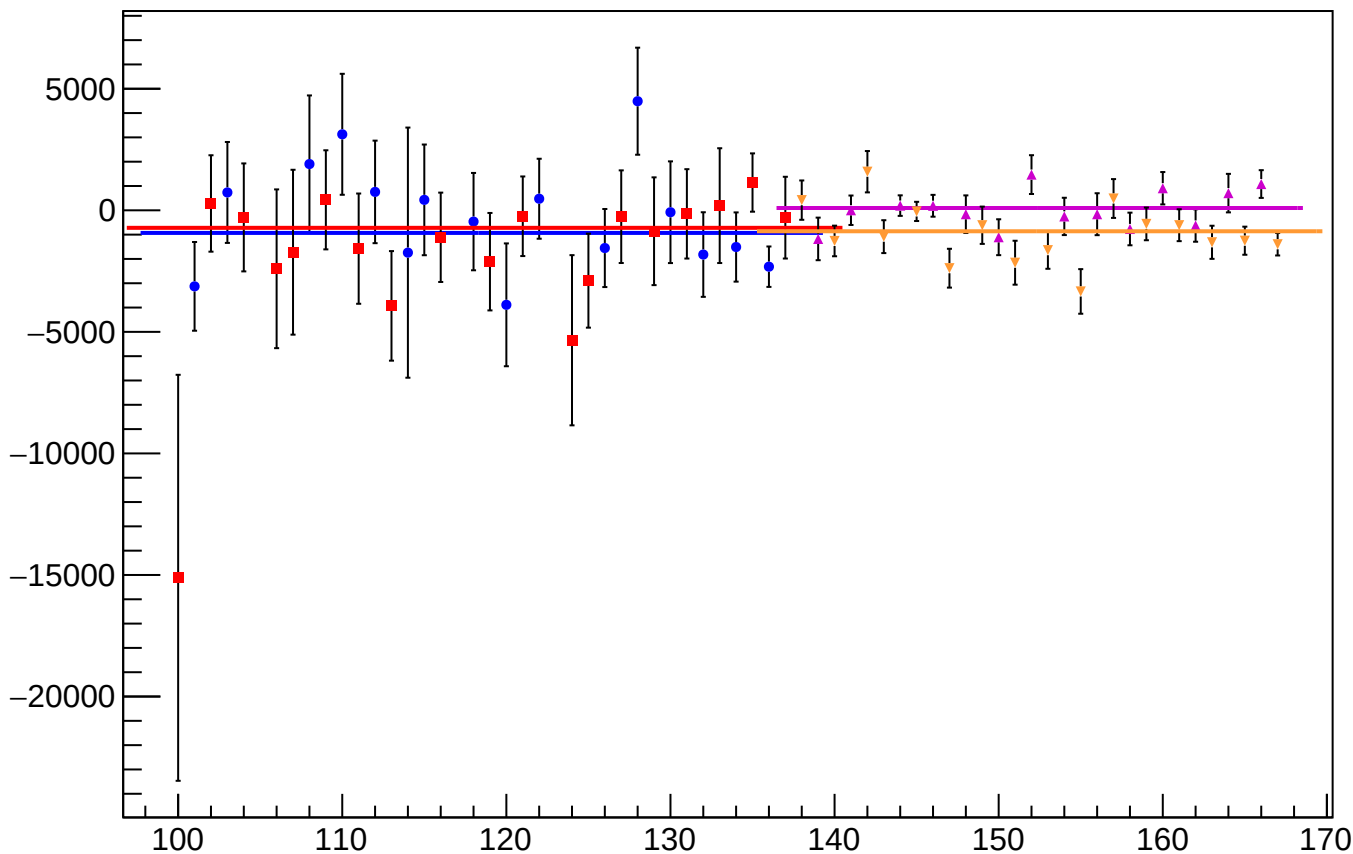
Left In: 63.842 $\pm$ 0.013 χ^2 /NDF: 305951.5/13

+ sign 68.441 $\pm$ 0.011 χ^2 /NDF: 2113683.3/31

All: 69.131 $\pm$ 0.008 χ^2 /NDF: 4447720.8/64

- sign 69.890 $\pm$ 0.012 χ^2 /NDF: 2326161.2/32

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -929.788 $\pm$ 440.894 χ^2 /NDF: 18.5/15

Left Out: -861.932 $\pm$ 163.586 χ^2 /NDF:35.1/15

Right Out: -720.600 $\pm$ 468.540 χ^2 /NDF: 12.5/18

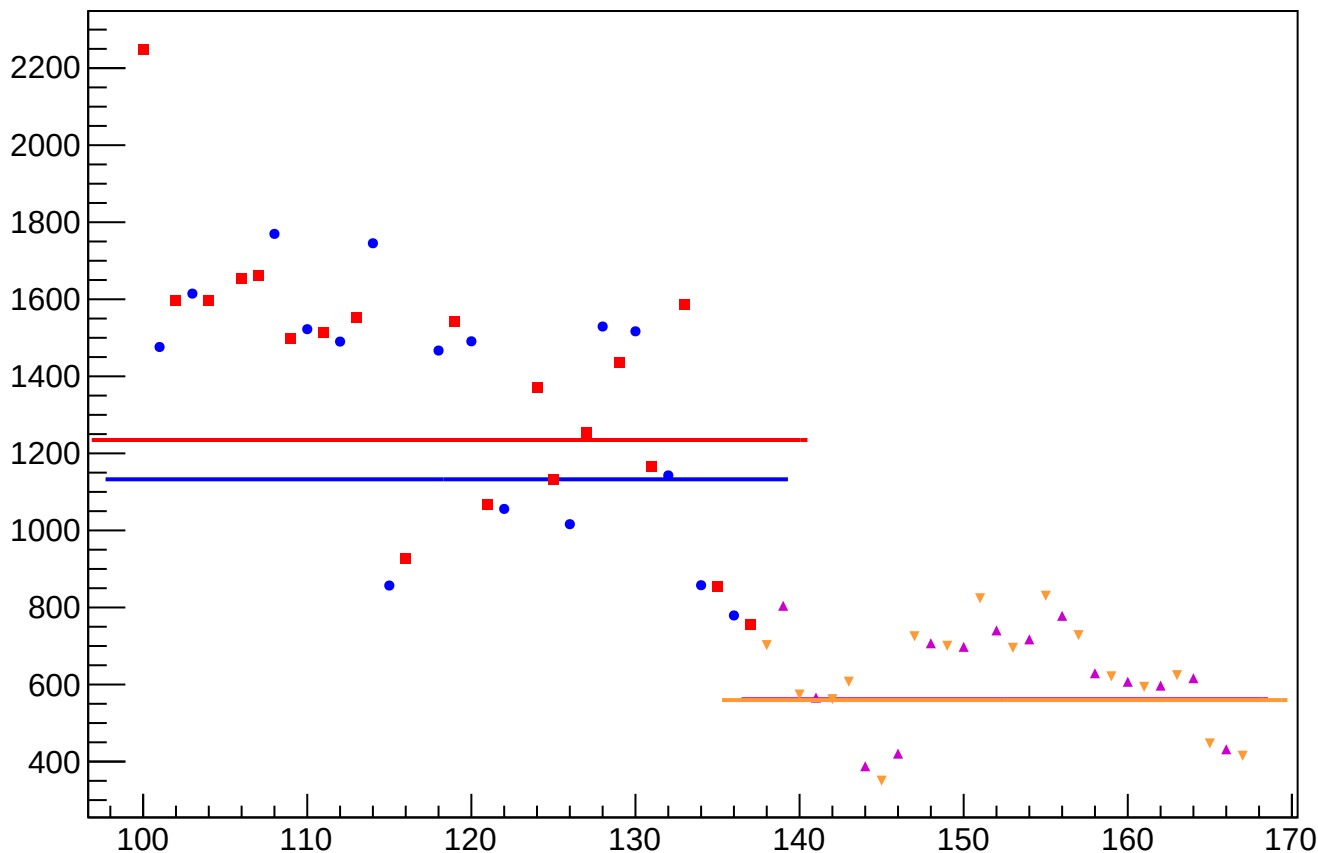
Left In: 94.884 $\pm$ 171.258 χ^2 /NDF:16.1/13

+ sign -870.143 $\pm$ 153.369 χ^2 /NDF: 53.6/31

All: -456.359 $\pm$ 110.999 χ^2 /NDF: 100.3/64

- sign -1.225 $\pm$ 160.850 χ^2 /NDF: 31.3/32

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: 559.612 $\pm$ 0.116 χ^2 /NDF: 1597361.2/15

Right Out: 1234.709 $\pm$ 0.331 χ^2 /NDF: 876272.4/18

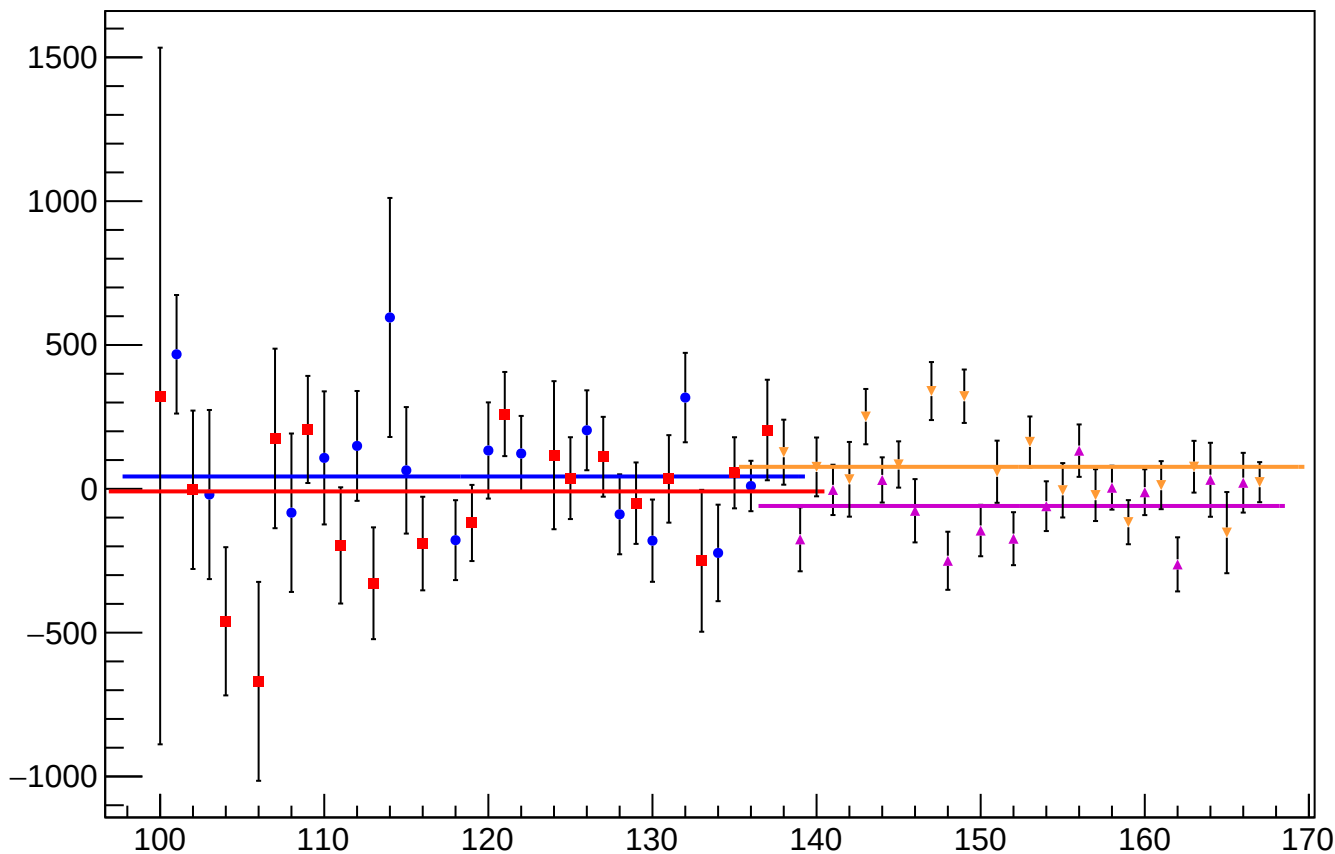
Left In: 561.895 $\pm$ 0.121 χ^2 /NDF: 1285336.6/13

+ sign 628.958 $\pm$ 0.108 χ^2 /NDF: 5691667.4/31

All: 634.783 $\pm$ 0.078 χ^2 /NDF: 11497362.8/64

- sign 641.190 $\pm$ 0.114 χ^2 /NDF: 5799637.0/32

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 $\pm$ 39.948 χ^2 /NDF: 20.3/15

Left Out: 76.441 $\pm$ 23.236 χ^2 /NDF:30.5/15

Right Out: -8.989 $\pm$ 41.060 χ^2 /NDF: 21.3/18

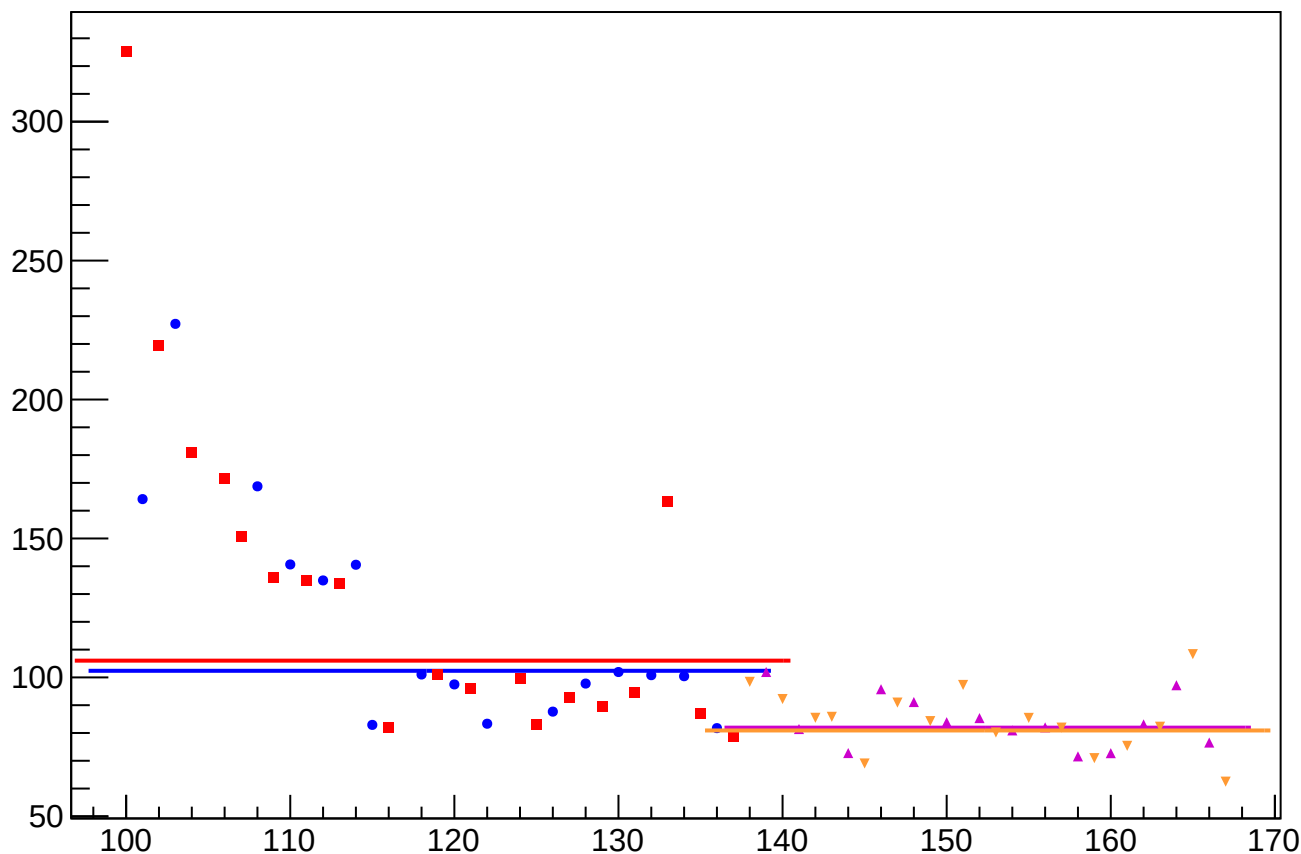
Left In: -59.601 $\pm$ 24.641 χ^2 /NDF:20.1/13

+ sign 67.966 $\pm$ 20.085 χ^2 /NDF: 51.3/31

All: 13.771 $\pm$ 14.557 χ^2 /NDF: 109.2/64

- sign -46.199 $\pm$ 21.128 χ^2 /NDF: 42.6/32

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378 $\pm$ 0.028 χ^2 /NDF: 982311.5/15

Left Out: 80.906 $\pm$ 0.016 χ^2 /NDF: 455701.8/15

Right Out: 106.032 $\pm$ 0.029 χ^2 /NDF: 1191294.0/18

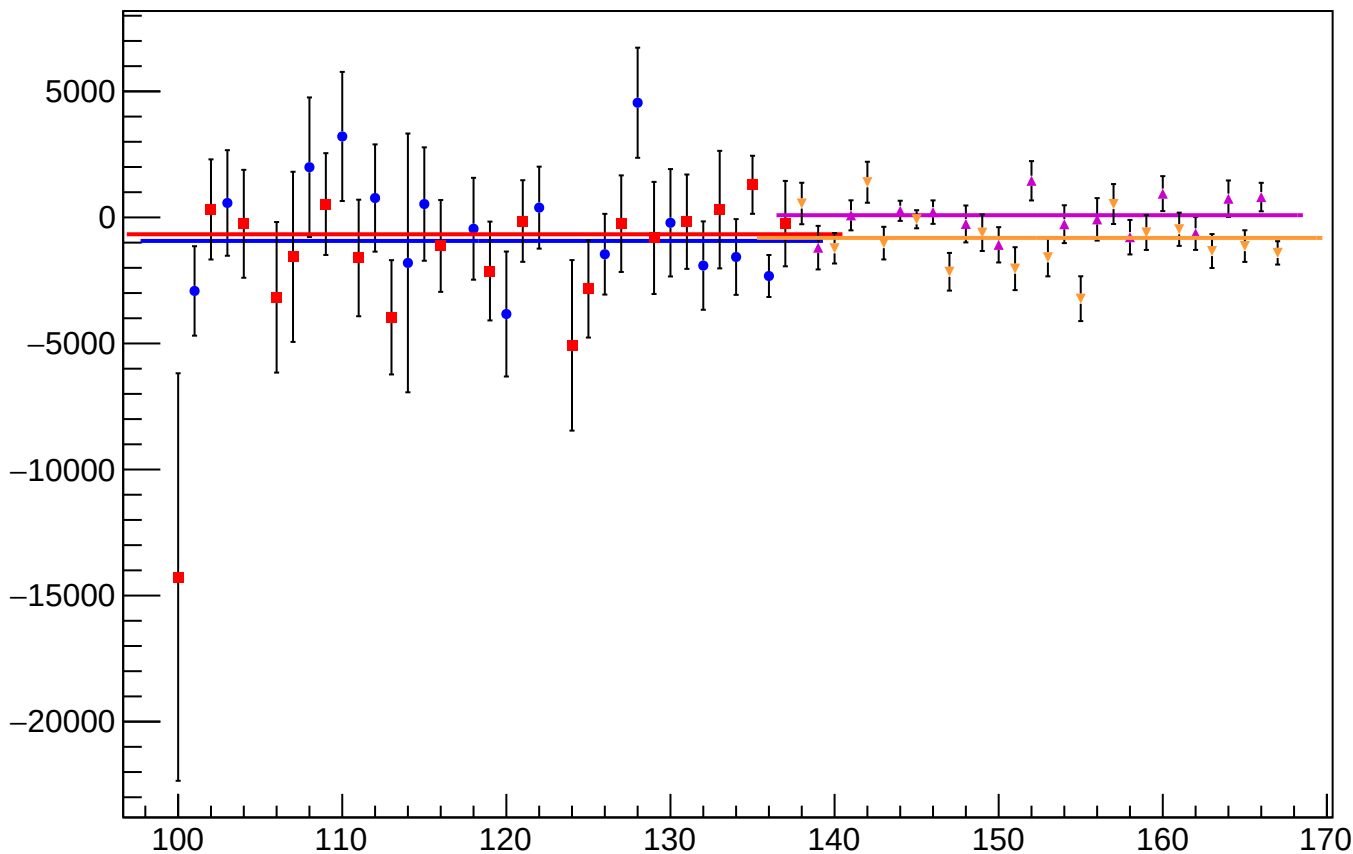
Left In: 81.918 $\pm$ 0.017 χ^2 /NDF: 241473.2/13

+ sign 86.334 $\pm$ 0.014 χ^2 /NDF: 1869778.1/31

All: 87.269 $\pm$ 0.010 χ^2 /NDF: 3818860.4/64

- sign 88.303 $\pm$ 0.015 χ^2 /NDF: 1939957.8/32

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381 ± 442.724 χ^2/NDF : 18.5/15

Left Out: -812.566 ± 159.405 χ^2/NDF : 34.4/15

Right Out: -668.521 ± 463.213 χ^2/NDF : 13.5/18

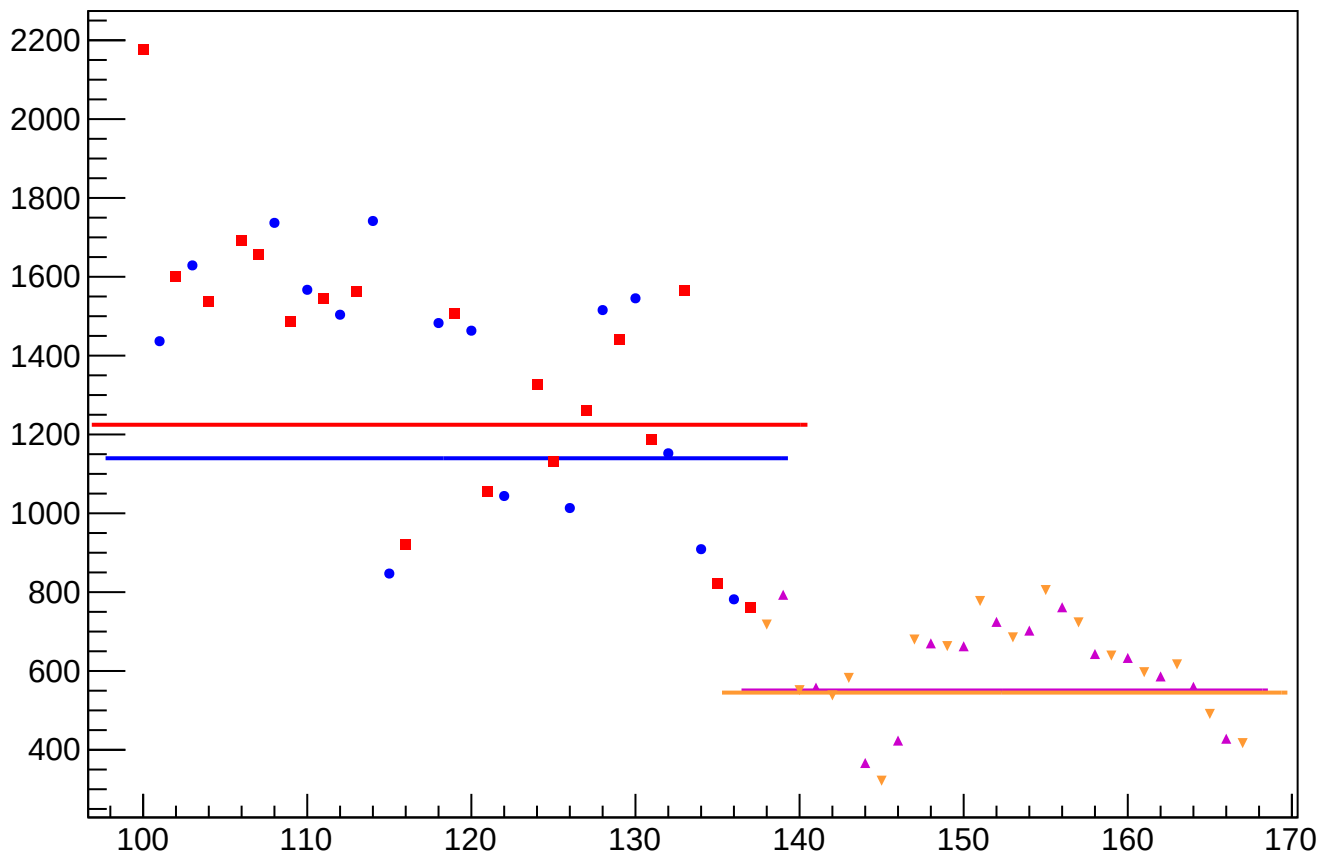
Left In: 87.629 ± 168.205 χ^2/NDF : 15.6/13

+ sign -826.316 ± 149.979 χ^2/NDF : 53.0/31

All: -435.152 ± 108.810 χ^2/NDF : 98.8/64

- sign -0.461 ± 158.104 χ^2/NDF : 31.5/32

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658 $\pm$ 0.313 χ^2 /NDF: 1093410.3/15

Left Out: 545.175 $\pm$ 0.113 χ^2 /NDF: 1716712.0/15

Right Out: 1224.637 $\pm$ 0.328 χ^2 /NDF: 922388.4/18

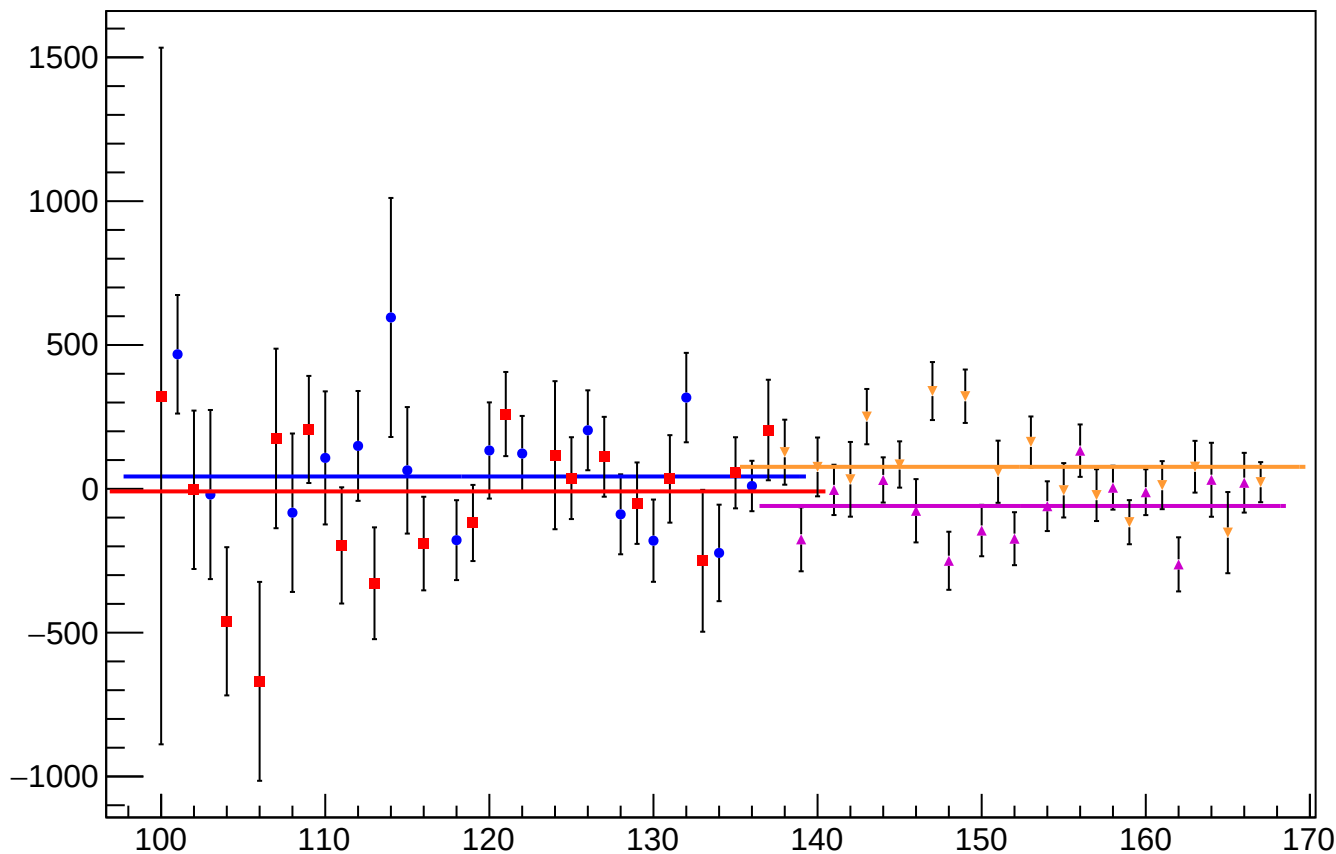
Left In: 550.559 $\pm$ 0.119 χ^2 /NDF: 1307106.9/13

+ sign 613.398 $\pm$ 0.106 χ^2 /NDF: 6002411.6/31

All: 620.830 $\pm$ 0.077 χ^2 /NDF: 11984212.4/64

- sign 629.088 $\pm$ 0.112 χ^2 /NDF: 5971433.3/32

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 $\pm$ 39.948 χ^2 /NDF: 20.3/15

Left Out: 76.442 $\pm$ 23.236 χ^2 /NDF:30.5/15

Right Out: -8.986 $\pm$ 41.060 χ^2 /NDF: 21.3/18

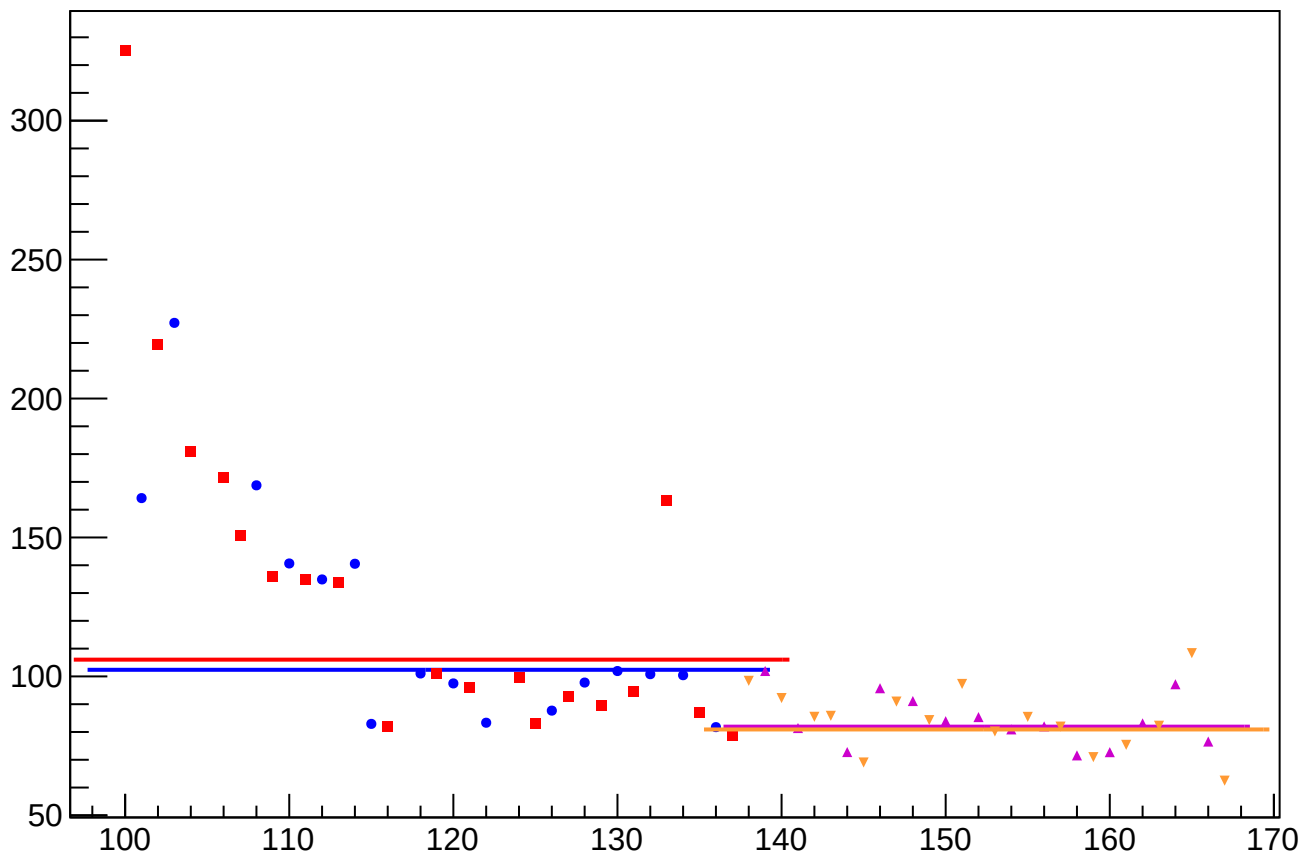
Left In: -59.599 $\pm$ 24.641 χ^2 /NDF:20.1/13

+ sign 67.966 $\pm$ 20.085 χ^2 /NDF: 51.3/31

All: 13.772 $\pm$ 14.557 χ^2 /NDF: 109.2/64

- sign -46.197 $\pm$ 21.128 χ^2 /NDF: 42.6/32

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378 $\pm$ 0.028 χ^2 /NDF: 982307.0/15

Left Out: 80.906 $\pm$ 0.016 χ^2 /NDF: 455698.7/15

Right Out: 106.032 $\pm$ 0.029 χ^2 /NDF: 1191296.9/18

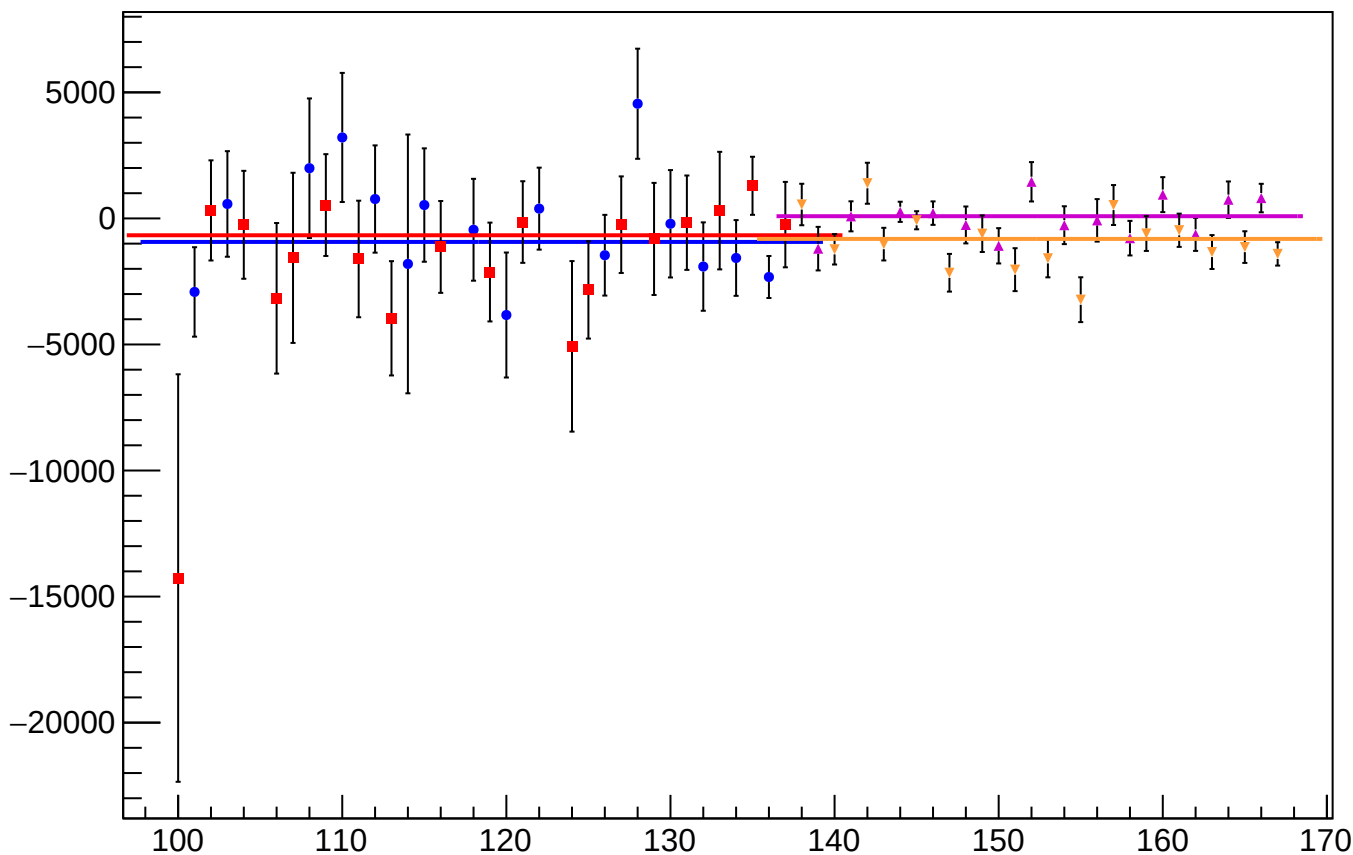
Left In: 81.918 $\pm$ 0.017 χ^2 /NDF: 241479.7/13

+ sign 86.334 $\pm$ 0.014 χ^2 /NDF: 1869751.5/31

All: 87.269 $\pm$ 0.010 χ^2 /NDF: 3818828.9/64

- sign 88.303 $\pm$ 0.015 χ^2 /NDF: 1939953.0/32

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -932.377 ± 442.724 χ^2/NDF : 18.5/15

Left Out: -812.565 ± 159.404 χ^2/NDF : 34.4/15

Right Out: -668.522 ± 463.212 χ^2/NDF : 13.5/18

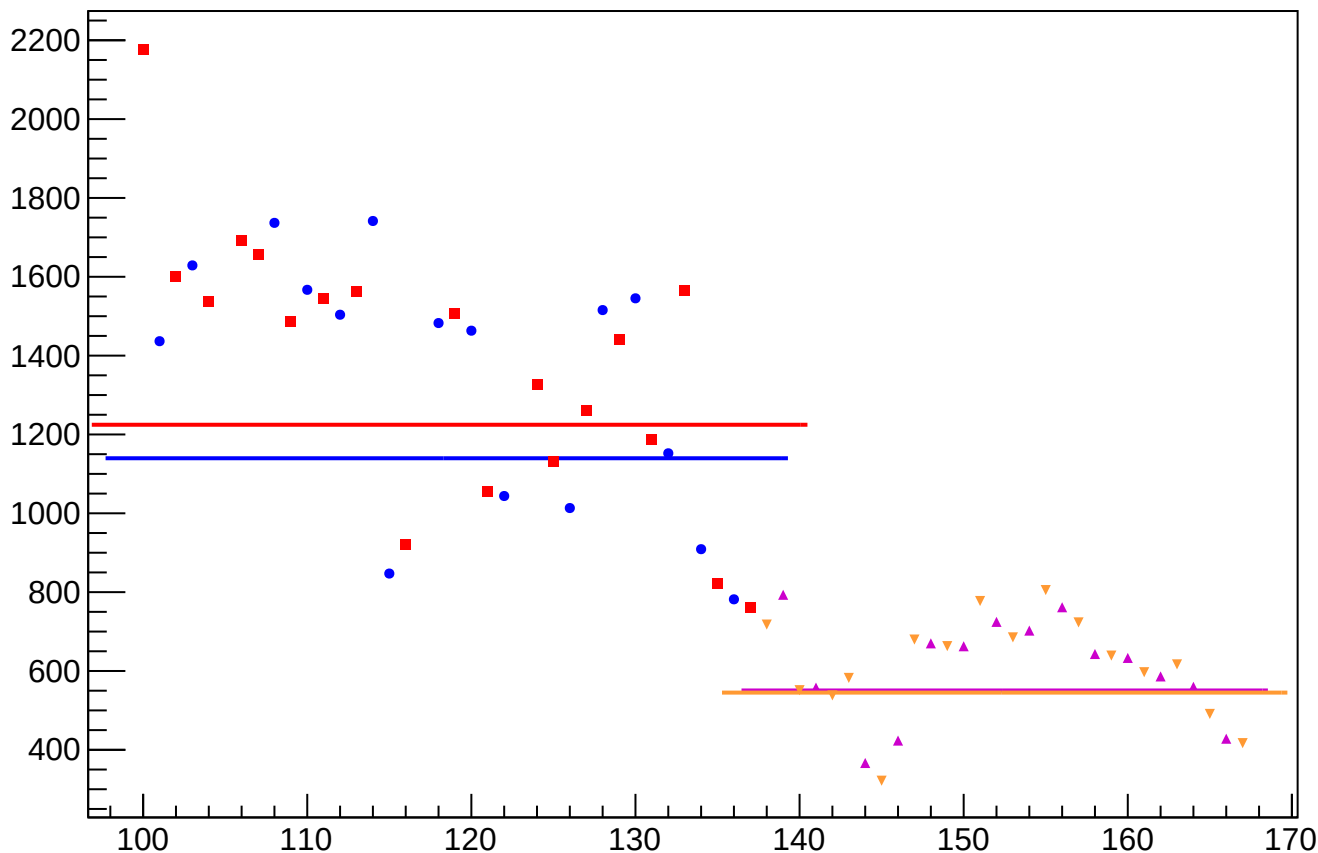
Left In: 87.630 ± 168.205 χ^2/NDF : 15.6/13

+ sign -826.314 ± 149.979 χ^2/NDF : 53.0/31

All: -435.152 ± 108.810 χ^2/NDF : 98.8/64

- sign -0.461 ± 158.104 χ^2/NDF : 31.5/32

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: 545.174 $\pm$ 0.113 χ^2 /NDF: 1716726.8/15

Right Out: 1224.635 $\pm$ 0.328 χ^2 /NDF: 922378.0/18

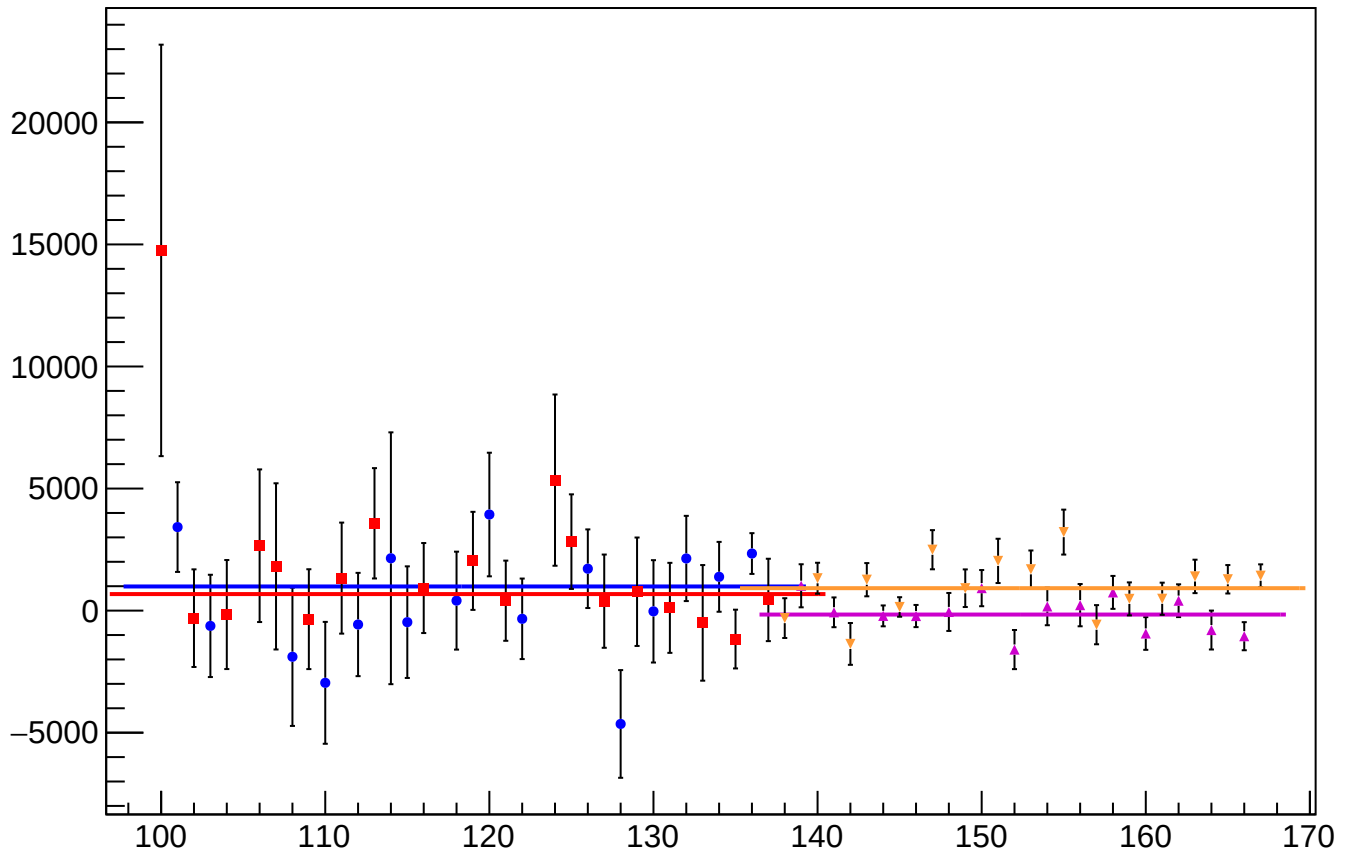
Left In: 550.558 $\pm$ 0.119 χ^2 /NDF: 1307111.0/13

+ sign 613.397 $\pm$ 0.106 χ^2 /NDF: 6002419.3/31

All: 620.829 $\pm$ 0.077 χ^2 /NDF: 11984214.3/64

- sign 629.088 $\pm$ 0.112 χ^2 /NDF: 5971427.1/32

asym_sam_3726_avg_mean vs Slug



Right In: 989.322 $\pm$ 442.634 χ^2 /NDF: 19.0/15

Left Out: 919.063 $\pm$ 164.763 χ^2 /NDF:32.8/15

Right Out: 677.628 $\pm$ 469.652 χ^2 /NDF: 11.9/18

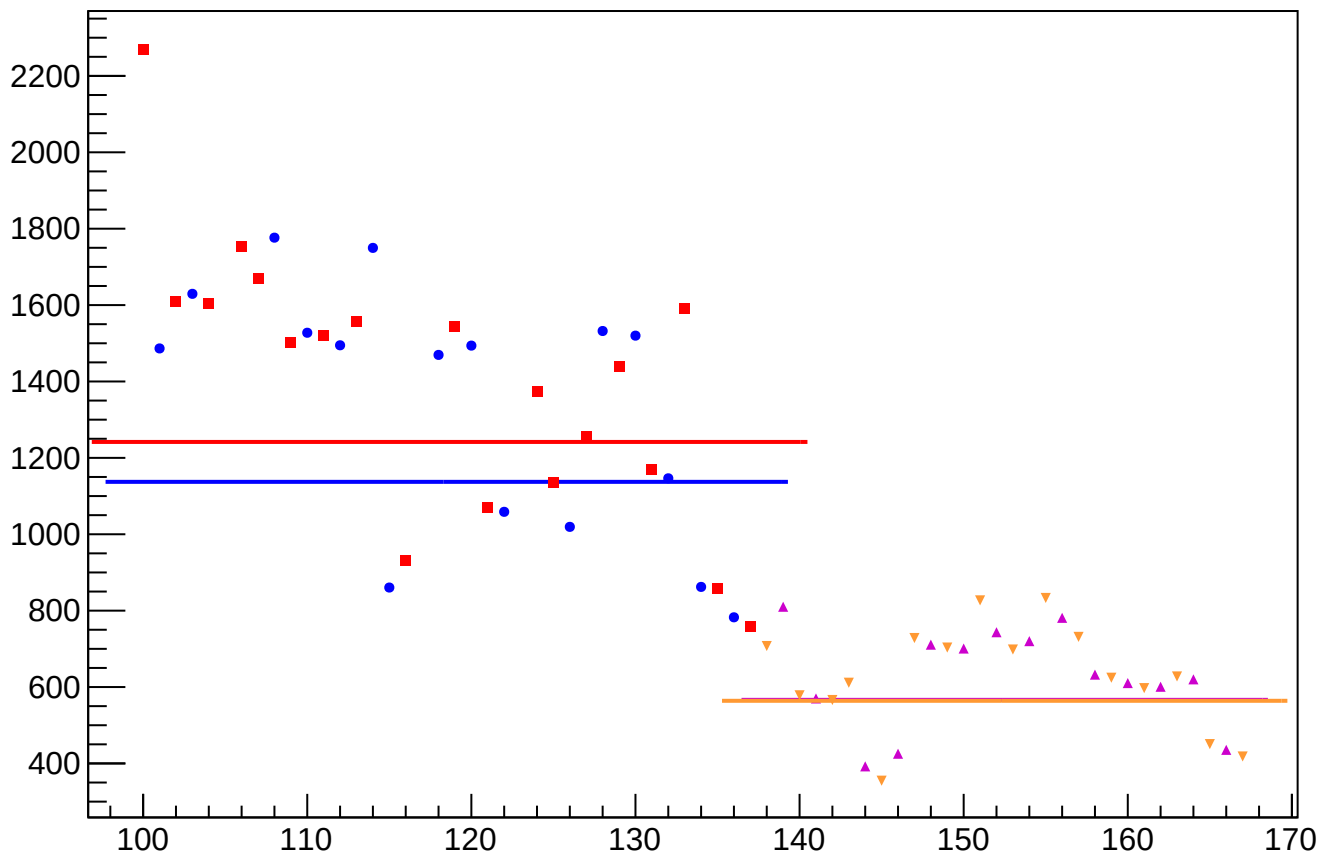
Left In: -161.105 $\pm$ 172.540 χ^2 /NDF:14.5/13

+ sign 927.614 $\pm$ 154.412 χ^2 /NDF: 51.9/31

All: 456.695 $\pm$ 111.758 χ^2 /NDF: 100.6/64

- sign -61.365 $\pm$ 161.957 χ^2 /NDF: 29.2/32

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF : 1123685.6/15

Left Out: 563.994+/-0.117 χ^2/NDF : 1566978.6/15

Right Out: 1241.709+/-0.332 χ^2/NDF : 899417.9/18

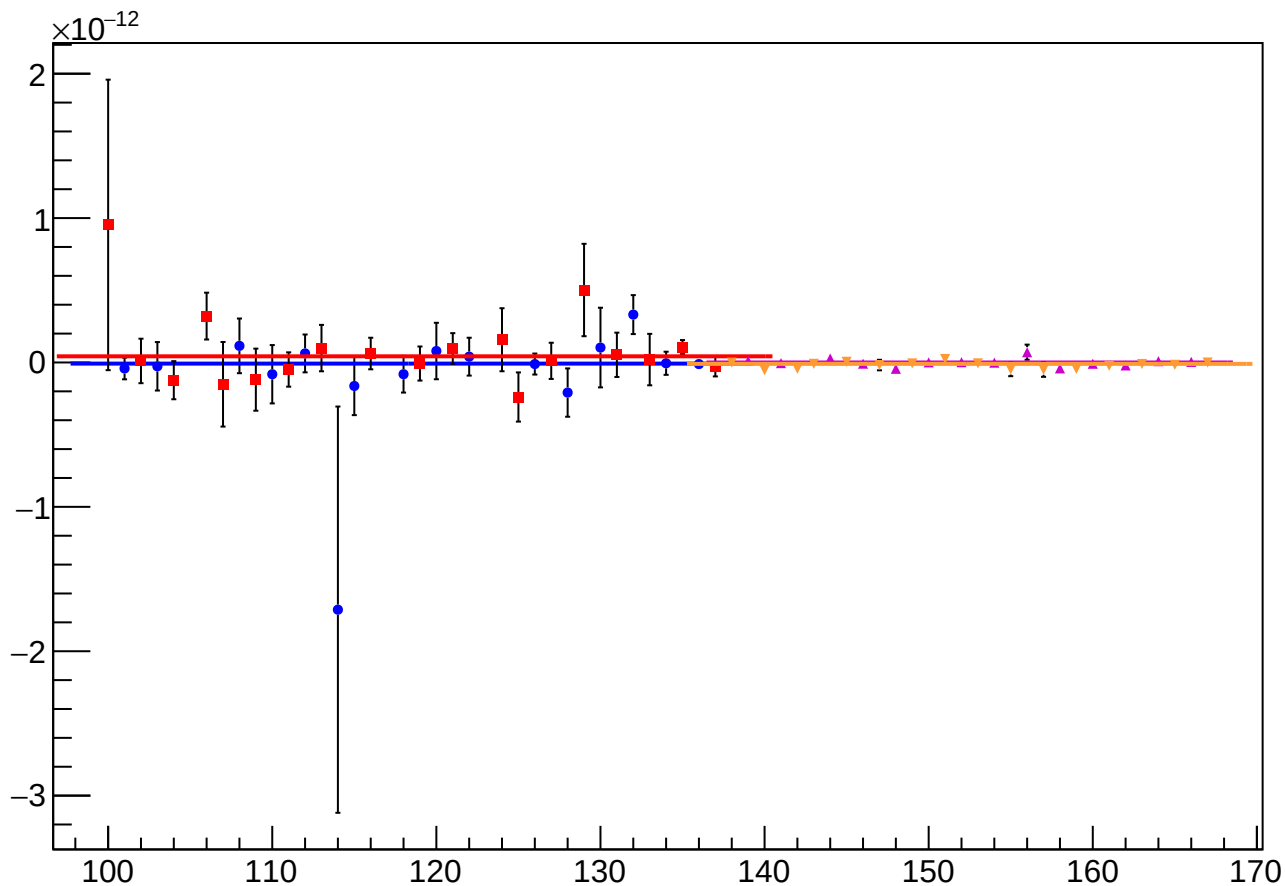
Left In: 566.467+/-0.122 χ^2/NDF : 1258426.1/13

+ sign 633.753+/-0.109 χ^2/NDF : 5636684.8/31

All: 639.949+/-0.079 χ^2/NDF : 11443908.7/64

- sign 646.765+/-0.115 χ^2/NDF : 5800461.3/32

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 : 18.7/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.5/18

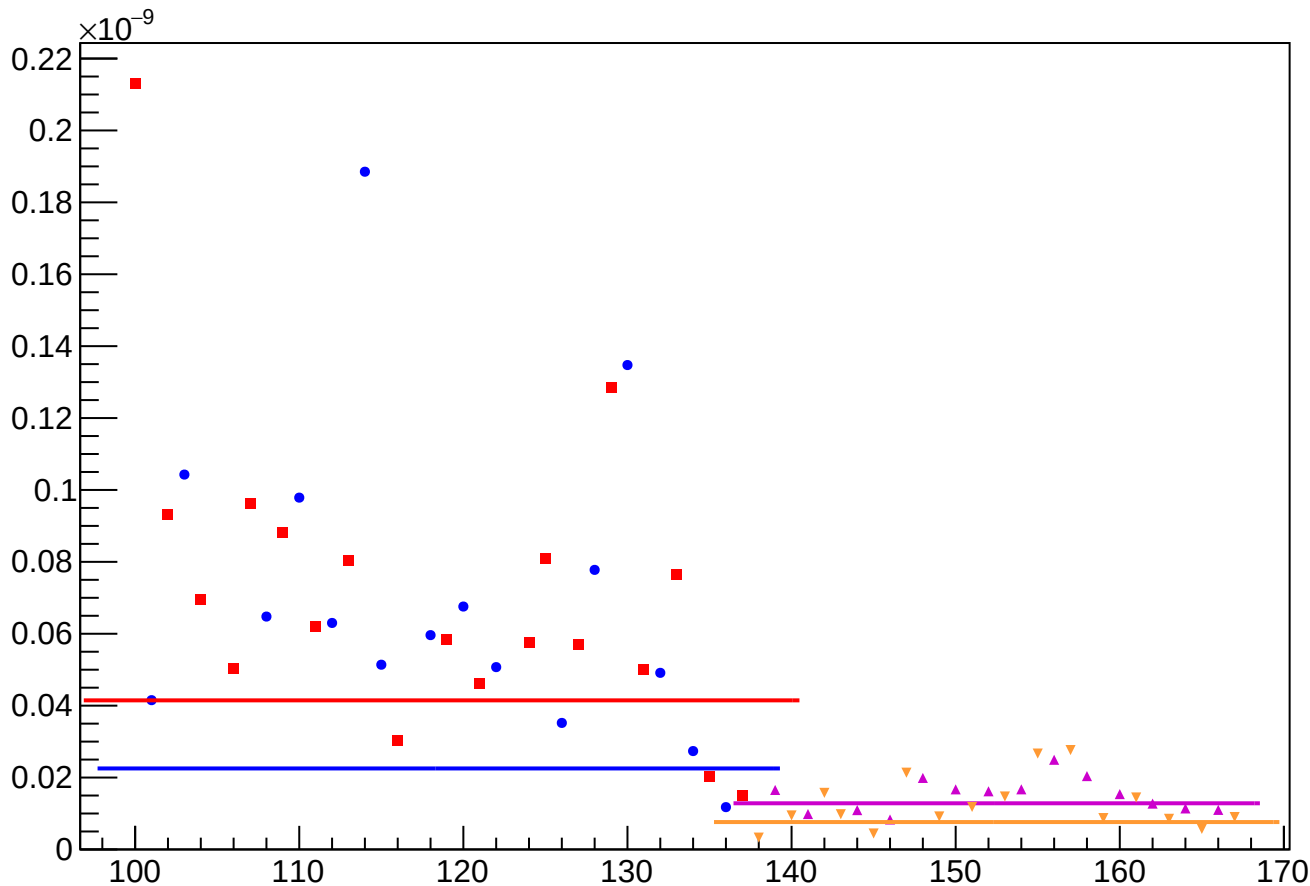
Left In: -0.000 ± 0.000 χ^2/NDF : 9.2/13

+ sign -0.000 ± 0.000 χ^2/NDF : 30.4/31

All: -0.000 ± 0.000 χ^2/NDF : 60.0/64

- sign 0.000 ± 0.000 χ^2/NDF : 27.1/32

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 $\chi^2/\text{NDF}: 2852766.6/15$

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 2178890.2/15$

Right Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 1847735.6/18$

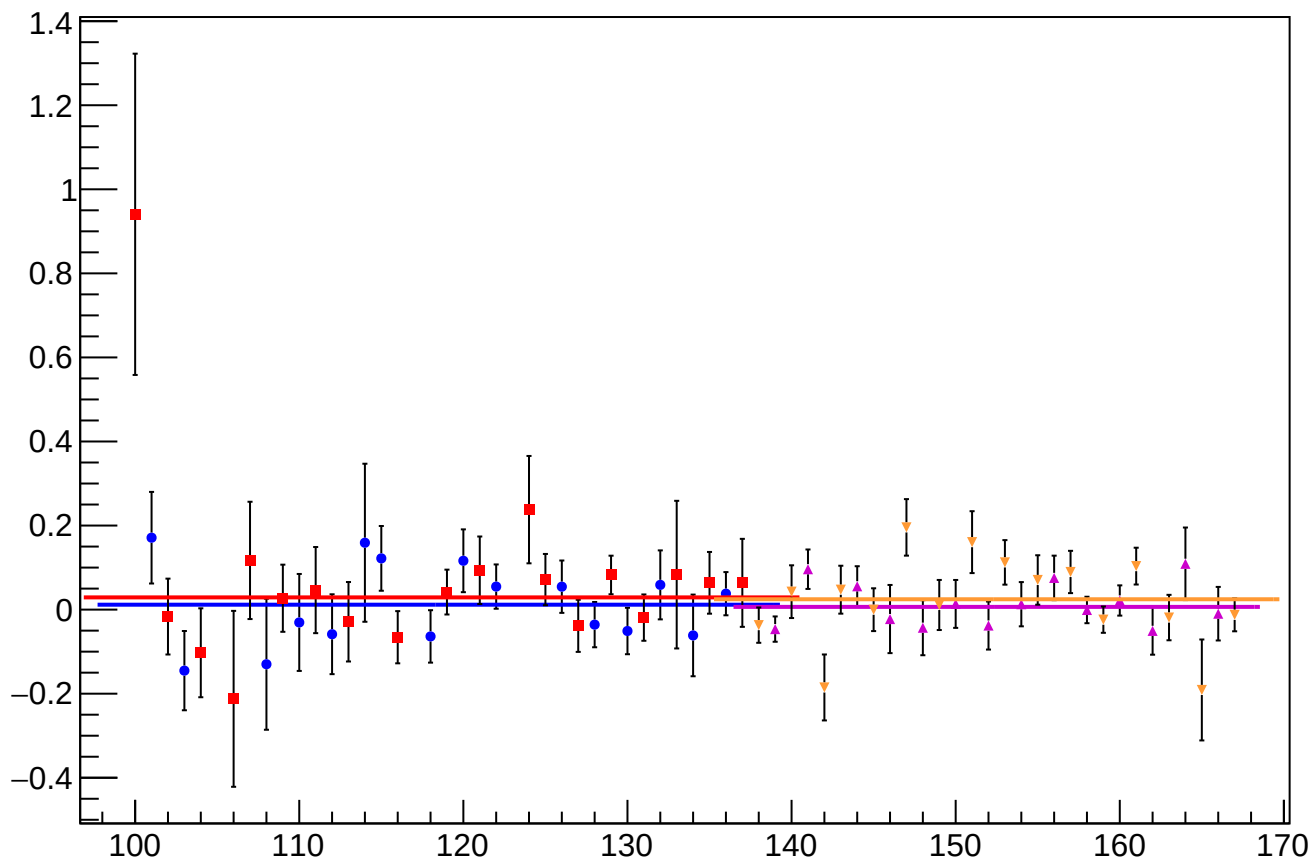
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 705623.5/13$

+ sign 0.000+/-0.000 $\chi^2/\text{NDF}: 6423540.3/31$

All: 0.000+/-0.000 $\chi^2/\text{NDF}: 12317923.3/64$

- sign 0.000+/-0.000 $\chi^2/\text{NDF}: 4669513.7/32$

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 χ^2/NDF : 16.9/15

Left Out: 0.025 ± 0.013 χ^2/NDF : 35.1/15

Right Out: 0.029 ± 0.018 χ^2/NDF : 19.5/18

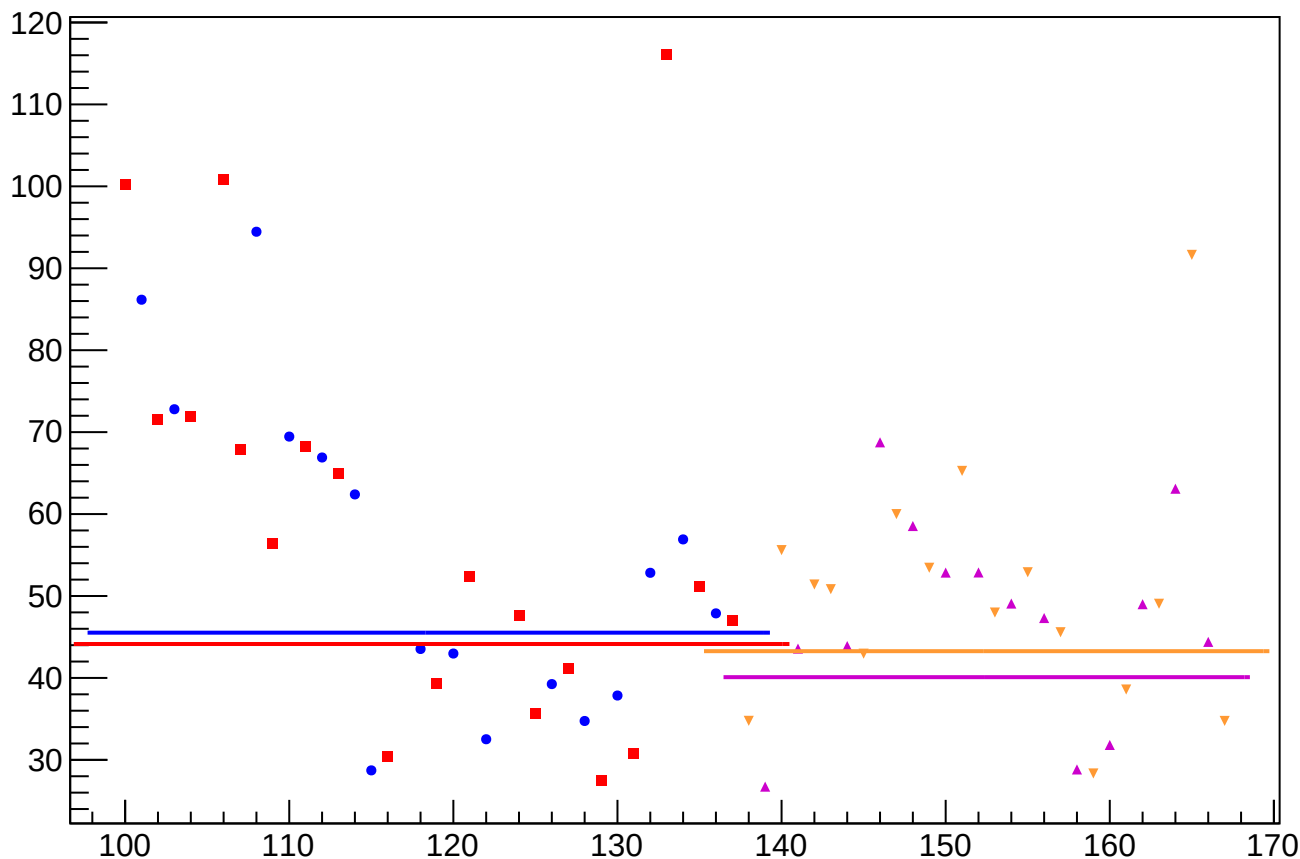
Left In: 0.006 ± 0.013 χ^2/NDF : 13.5/13

+ sign 0.020 ± 0.011 χ^2/NDF : 52.3/31

All: 0.017 ± 0.007 χ^2/NDF : 86.6/64

- sign 0.014 ± 0.010 χ^2/NDF : 34.1/32

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF : 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF : 1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF : 1743430.9/18

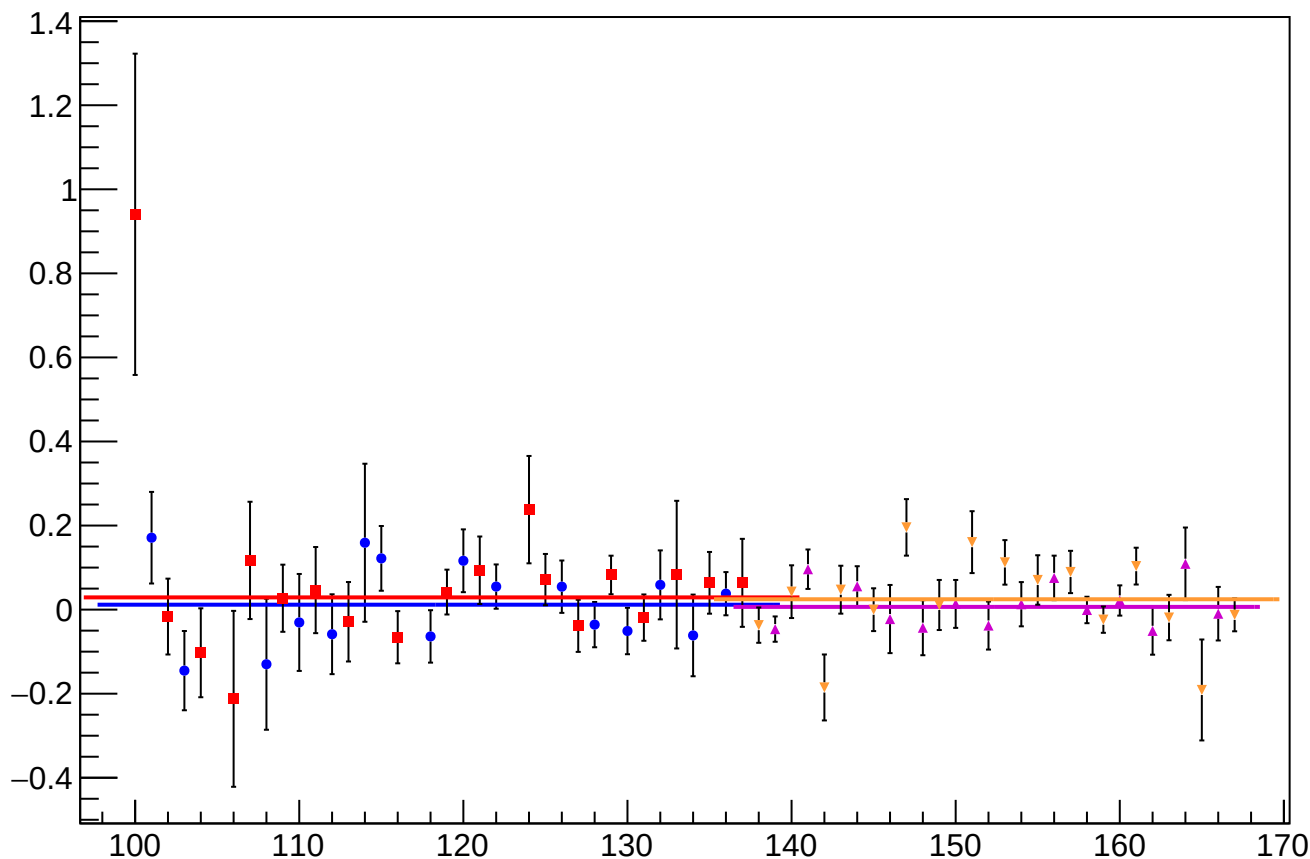
Left In: 40.095+/-0.009 χ^2/NDF : 1684084.1/13

+ sign 44.015+/-0.007 χ^2/NDF : 2843794.5/31

All: 42.711+/-0.005 χ^2/NDF : 6399356.3/64

- sign 41.453+/-0.007 χ^2/NDF : 3495526.7/32

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 χ^2/NDF : 16.9/15

Left Out: 0.025 ± 0.013 χ^2/NDF : 35.1/15

Right Out: 0.029 ± 0.018 χ^2/NDF : 19.5/18

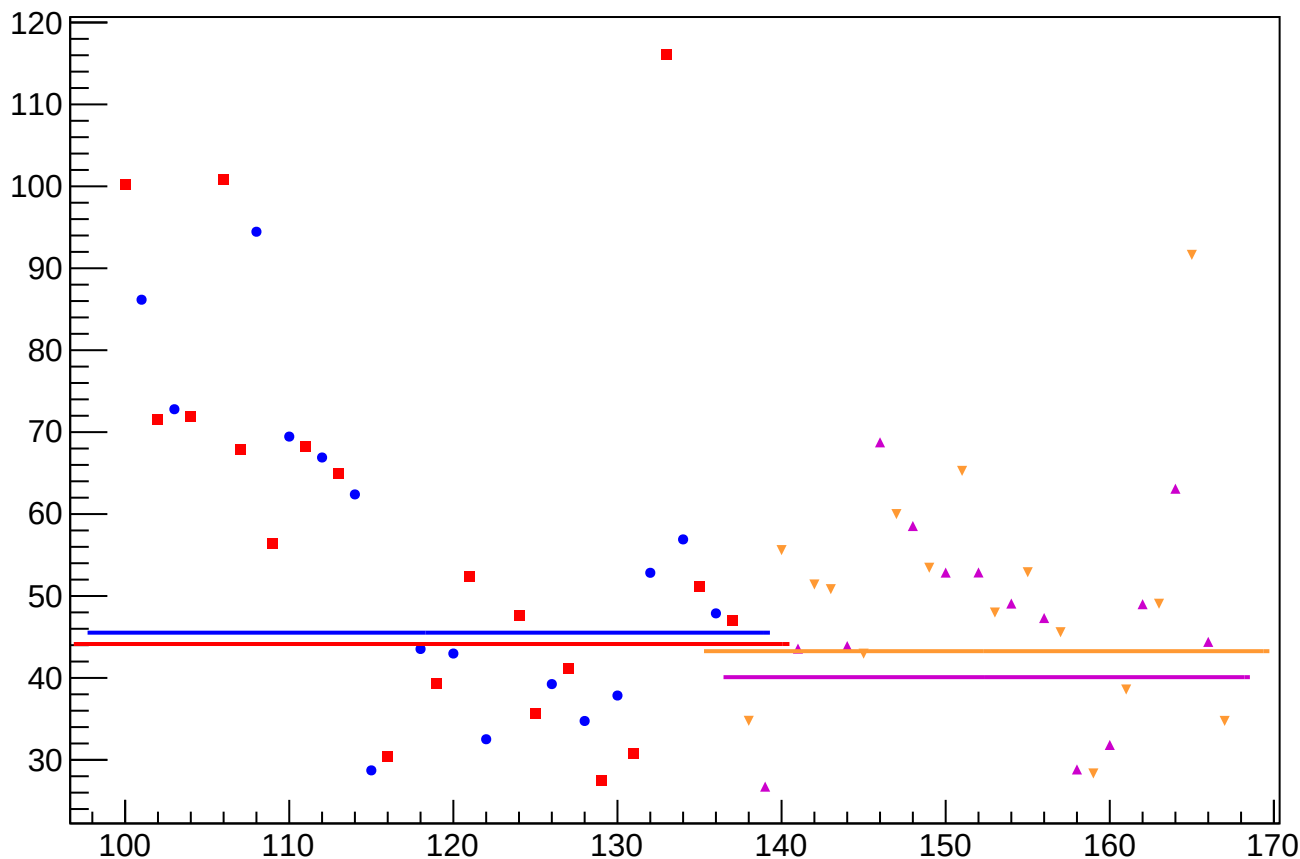
Left In: 0.006 ± 0.013 χ^2/NDF : 13.5/13

+ sign 0.020 ± 0.011 χ^2/NDF : 52.3/31

All: 0.017 ± 0.007 χ^2/NDF : 86.6/64

- sign 0.014 ± 0.010 χ^2/NDF : 34.1/32

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF : 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF : 1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF : 1743430.9/18

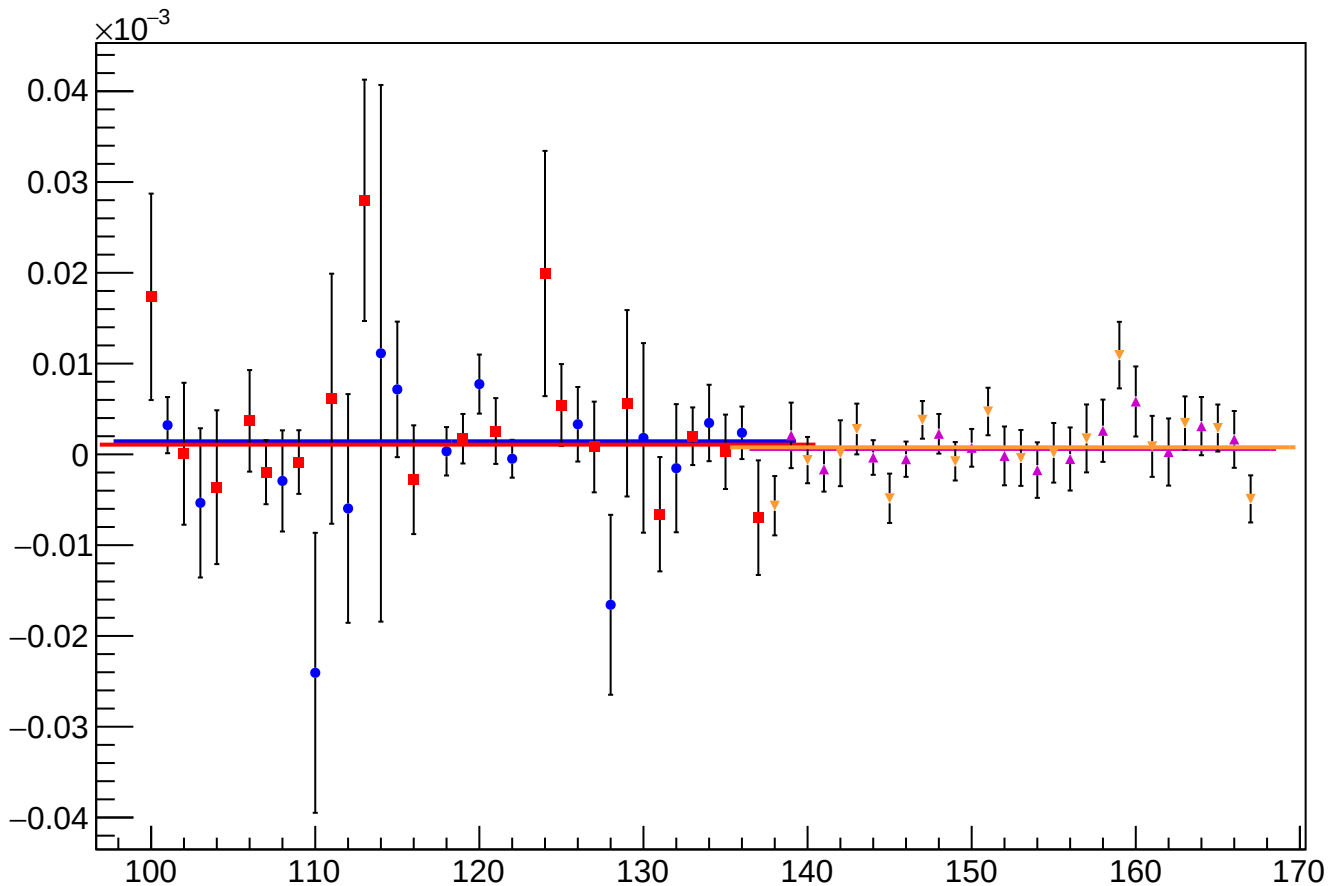
Left In: 40.095+/-0.009 χ^2/NDF : 1684084.1/13

+ sign 44.015+/-0.007 χ^2/NDF : 2843794.5/31

All: 42.711+/-0.005 χ^2/NDF : 6399356.3/64

- sign 41.453+/-0.007 χ^2/NDF : 3495526.7/32

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

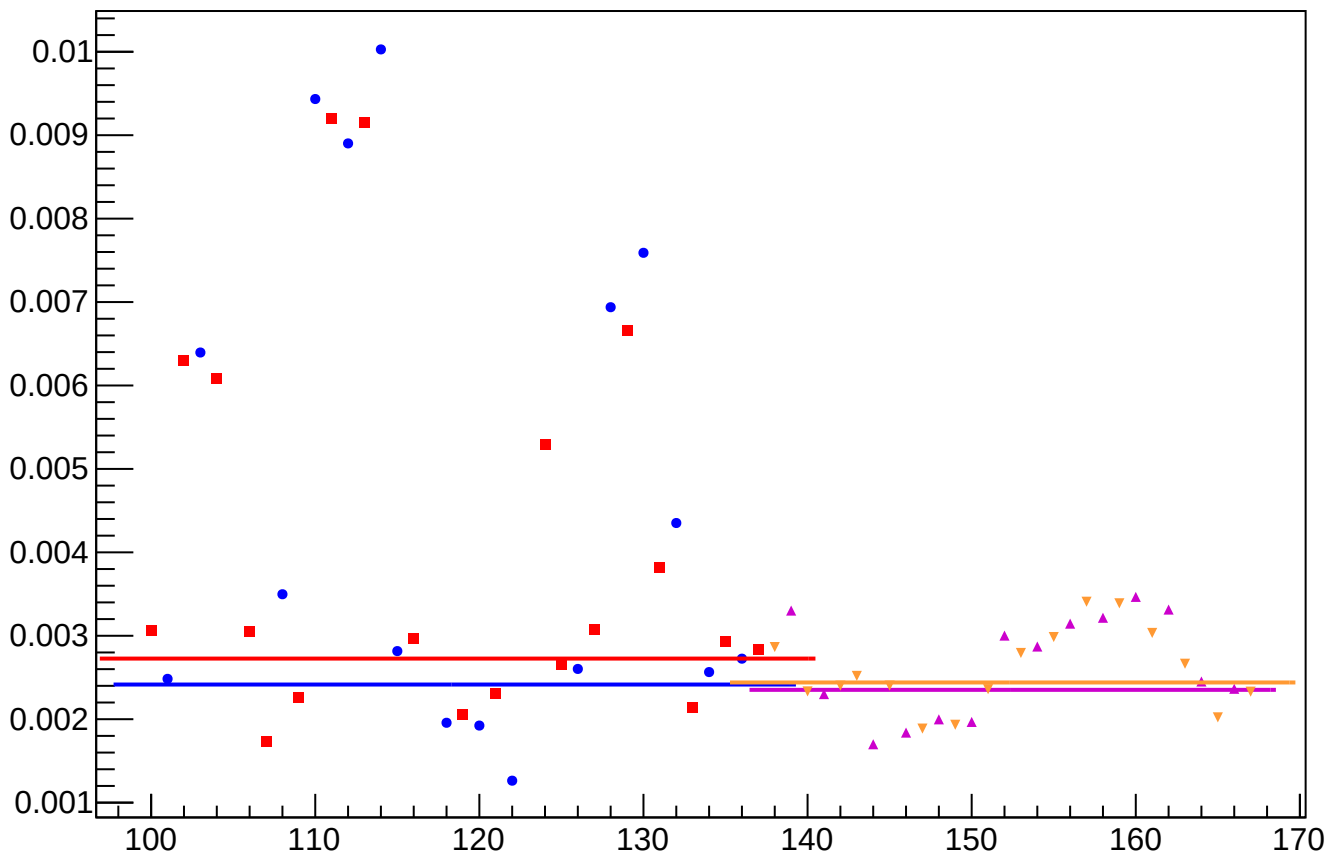
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:5.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 63.5/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/32

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: 0.002+/-0.000 χ^2/NDF : 777319.0/15

Right Out: 0.003+/-0.000 χ^2/NDF : 2505080.1/18

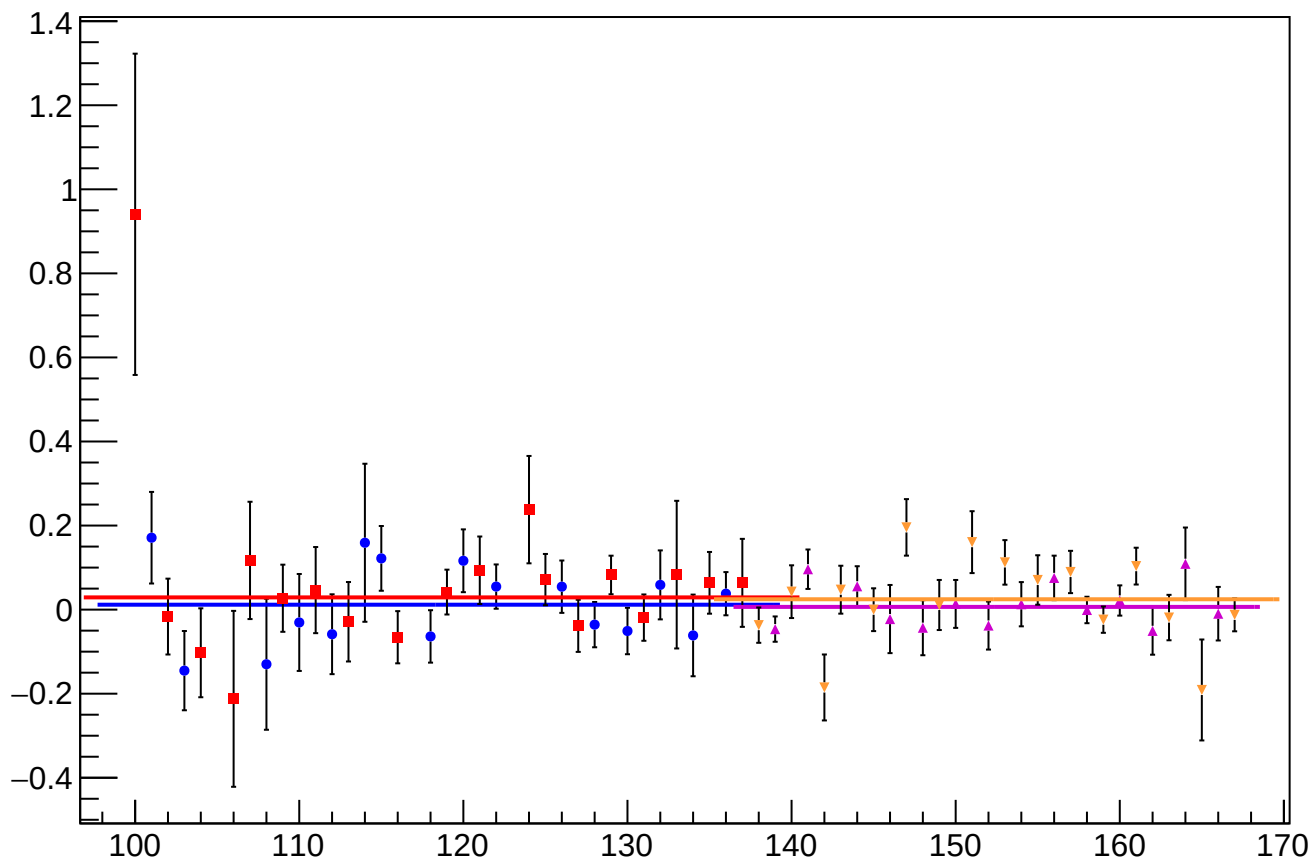
Left In: 0.002+/-0.000 χ^2/NDF : 1306529.3/13

+ sign 0.002+/-0.000 χ^2/NDF : 4210201.6/31

All: 0.002+/-0.000 χ^2/NDF : 8182291.2/64

- sign 0.002+/-0.000 χ^2/NDF : 3969799.6/32

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 χ^2/NDF : 16.9/15

Left Out: 0.025 ± 0.013 χ^2/NDF : 35.1/15

Right Out: 0.029 ± 0.018 χ^2/NDF : 19.5/18

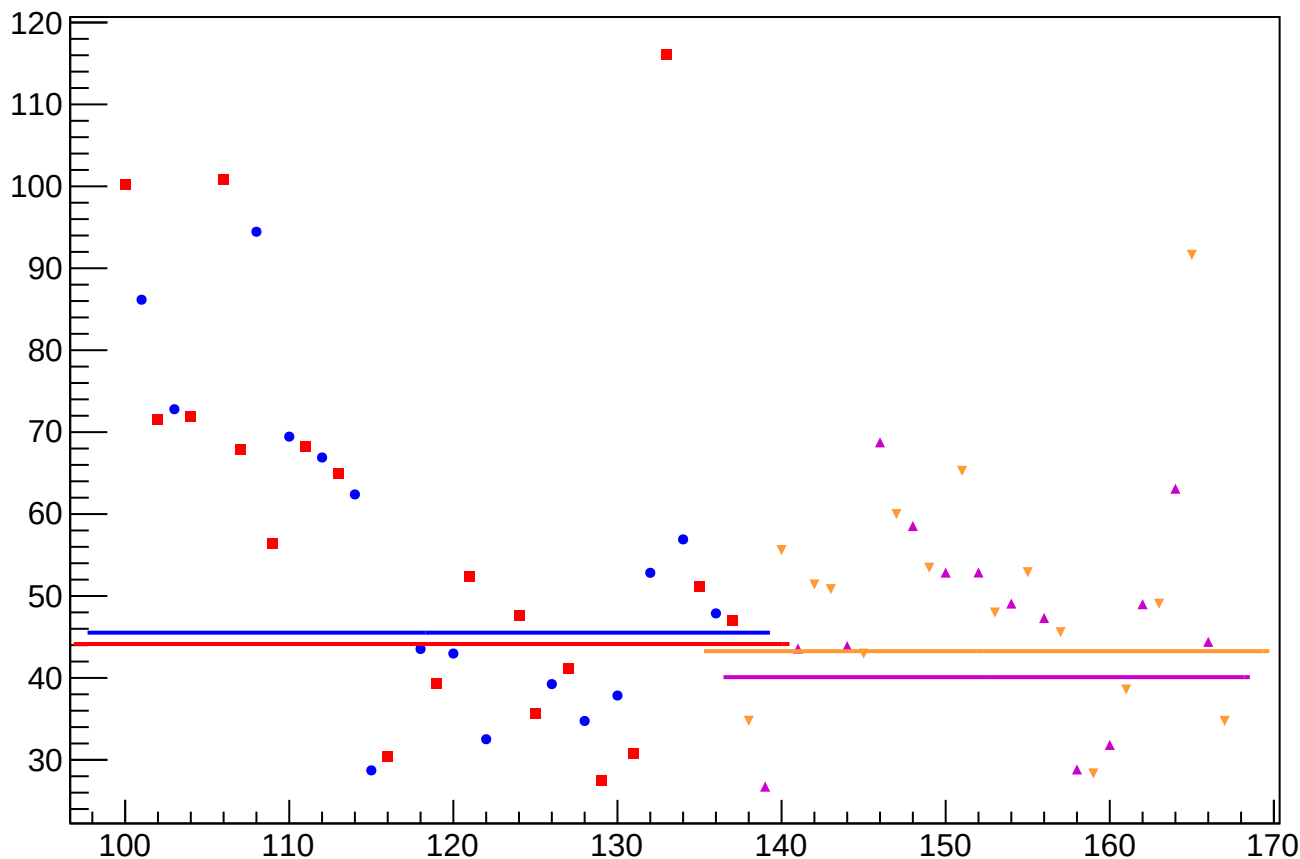
Left In: 0.006 ± 0.013 χ^2/NDF : 13.5/13

+ sign 0.020 ± 0.011 χ^2/NDF : 52.3/31

All: 0.017 ± 0.007 χ^2/NDF : 86.6/64

- sign 0.014 ± 0.010 χ^2/NDF : 34.1/32

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: 43.266 $\pm$ 0.009 χ^2 /NDF: 1569552.0/15

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743351.0/18

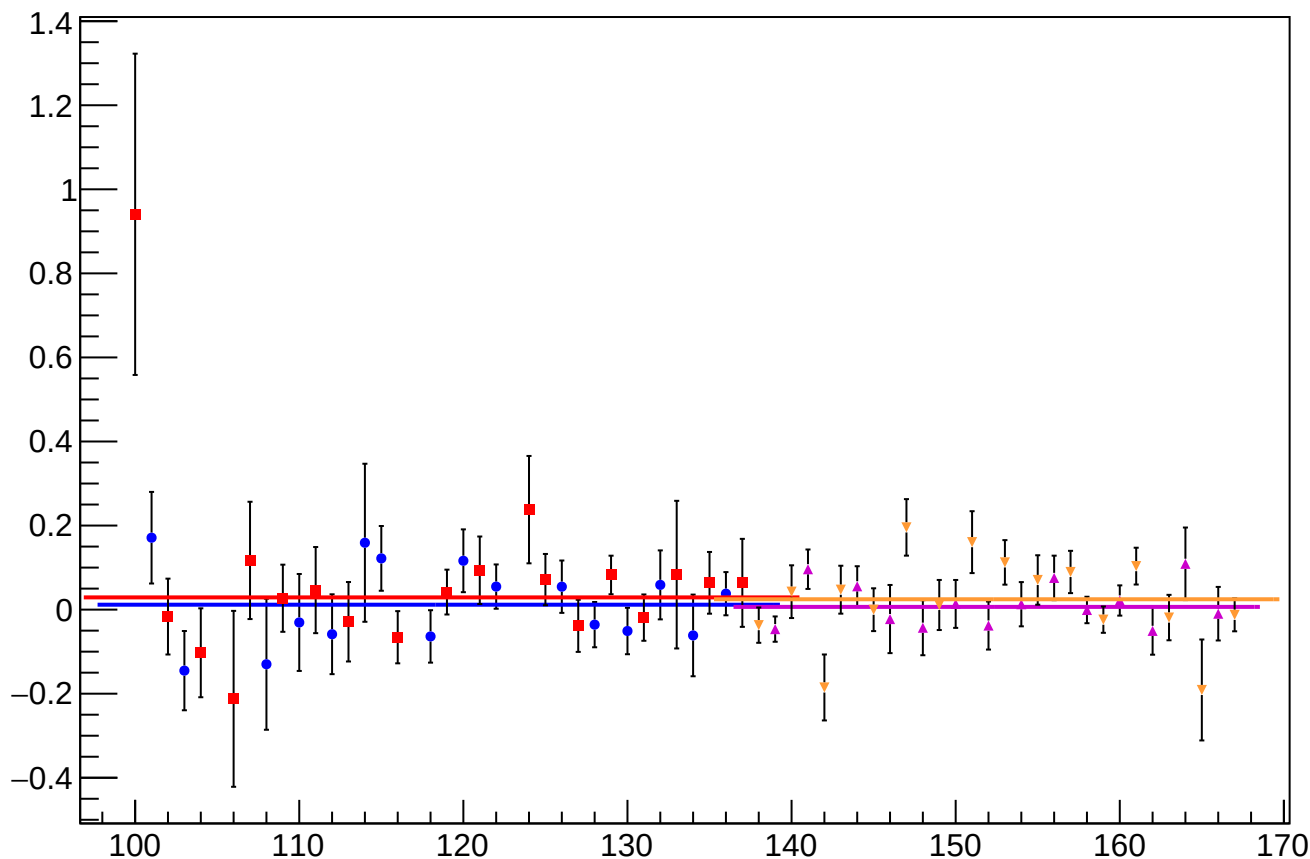
Left In: 40.095 $\pm$ 0.009 χ^2 /NDF: 1684143.6/13

+ sign 44.015 $\pm$ 0.007 χ^2 /NDF: 2843793.0/31

All: 42.712 $\pm$ 0.005 χ^2 /NDF: 6399334.4/64

- sign 41.454 $\pm$ 0.007 χ^2 /NDF: 3495511.7/32

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 χ^2/NDF : 16.9/15

Left Out: 0.025 ± 0.013 χ^2/NDF : 35.1/15

Right Out: 0.029 ± 0.018 χ^2/NDF : 19.5/18

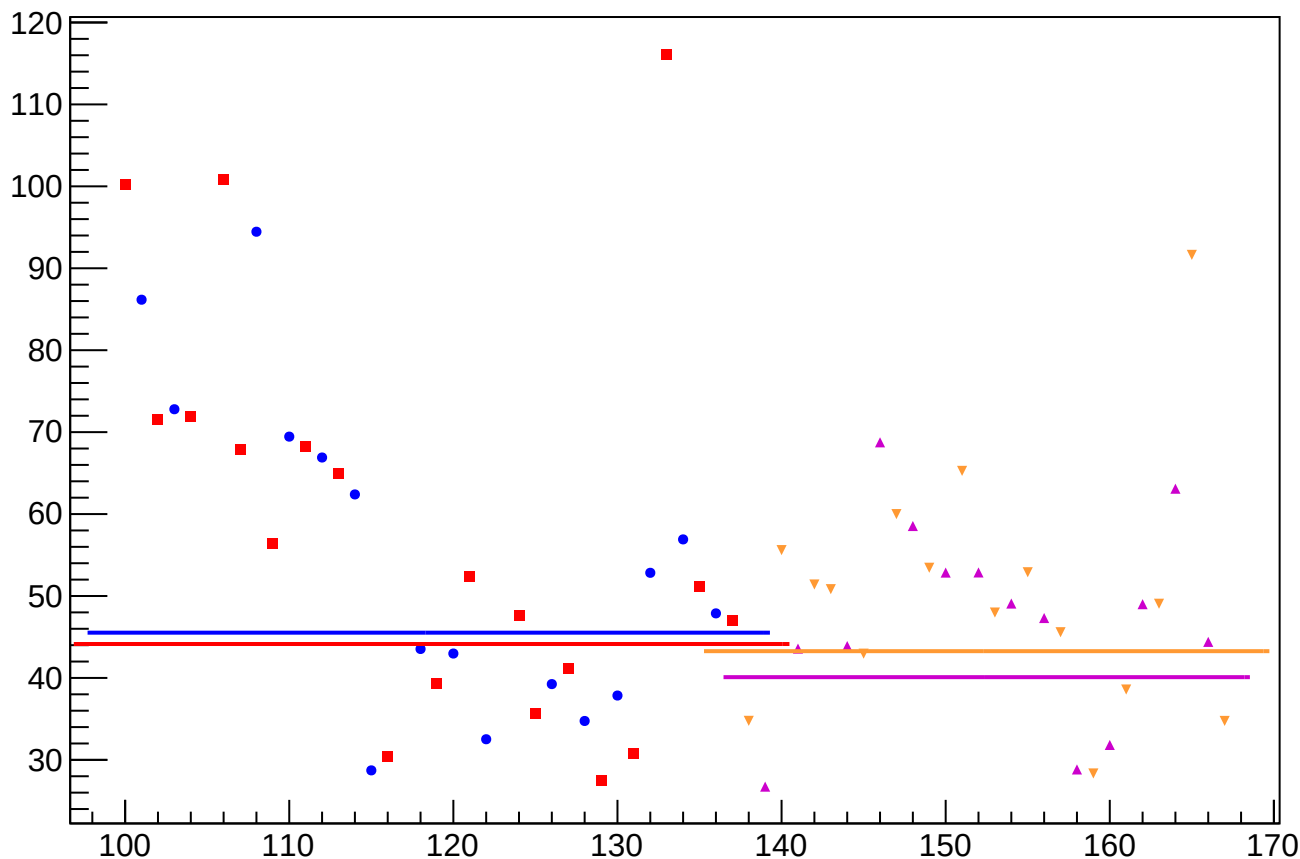
Left In: 0.006 ± 0.013 χ^2/NDF : 13.5/13

+ sign 0.020 ± 0.011 χ^2/NDF : 52.3/31

All: 0.017 ± 0.007 χ^2/NDF : 86.6/64

- sign 0.014 ± 0.010 χ^2/NDF : 34.1/32

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: 43.266 $\pm$ 0.009 χ^2 /NDF: 1569552.0/15

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743351.0/18

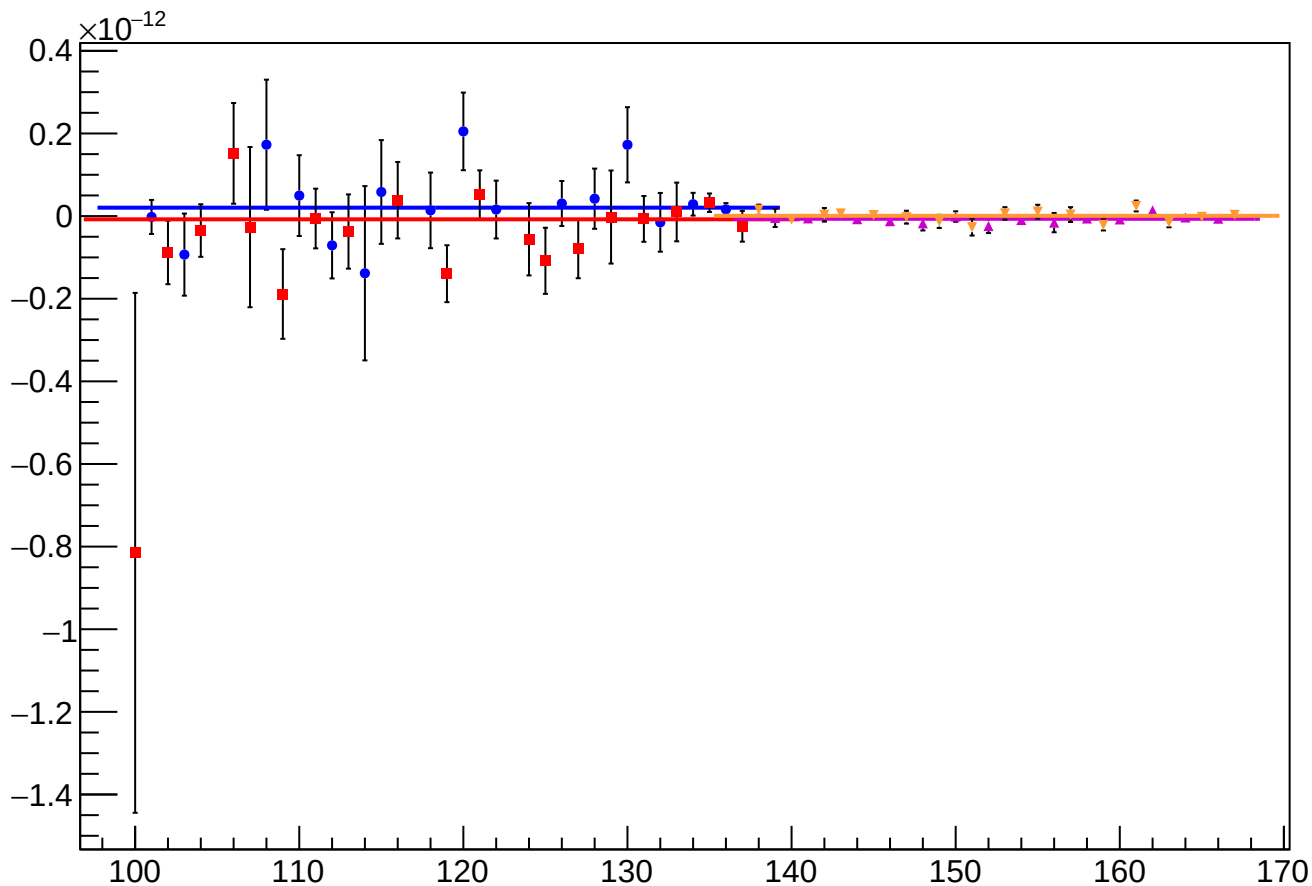
Left In: 40.095 $\pm$ 0.009 χ^2 /NDF: 1684143.6/13

+ sign 44.015 $\pm$ 0.007 χ^2 /NDF: 2843793.0/31

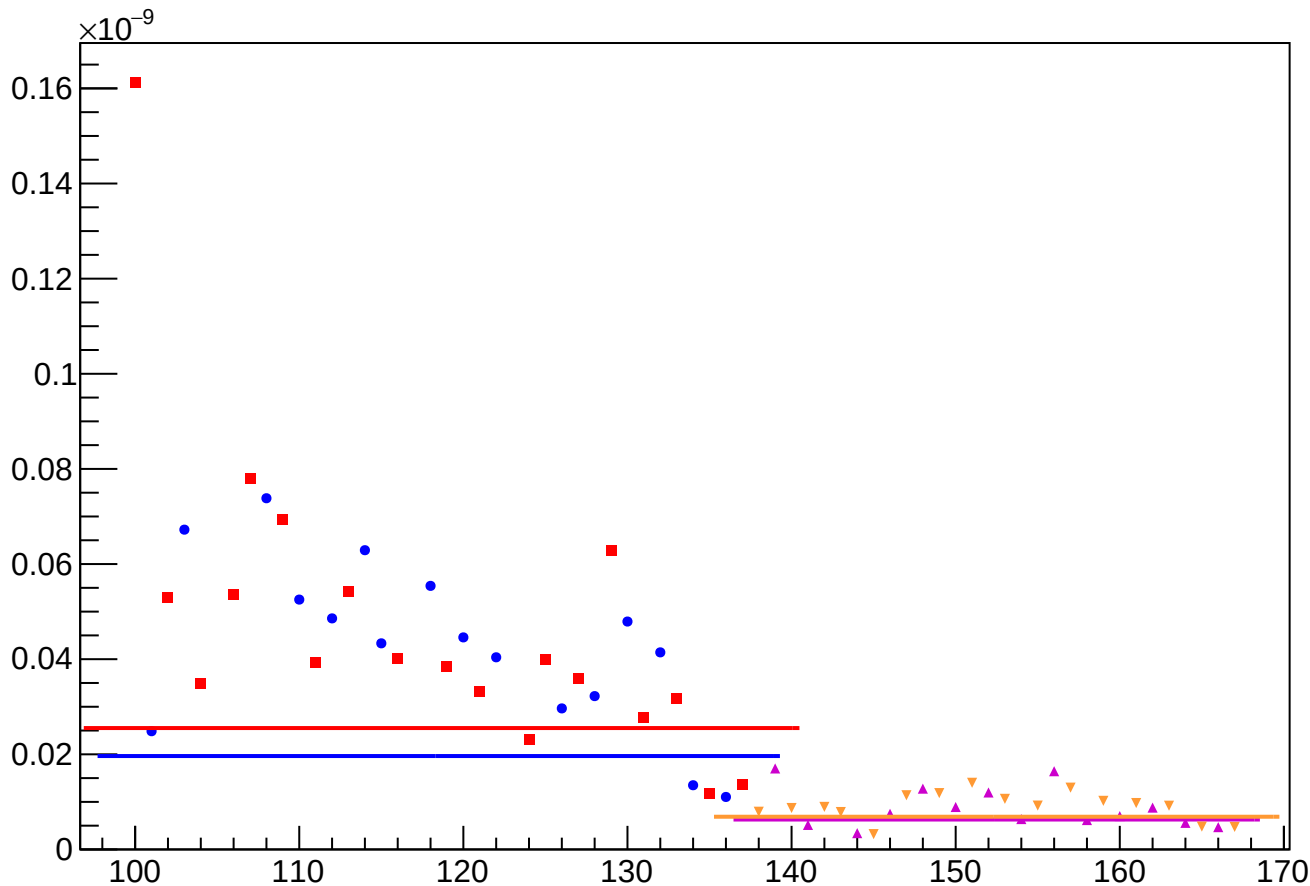
All: 42.712 $\pm$ 0.005 χ^2 /NDF: 6399334.4/64

- sign 41.454 $\pm$ 0.007 χ^2 /NDF: 3495511.7/32

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 $\pm$ 0.000 χ^2/NDF : 3241093.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2562653.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2703953.2/18

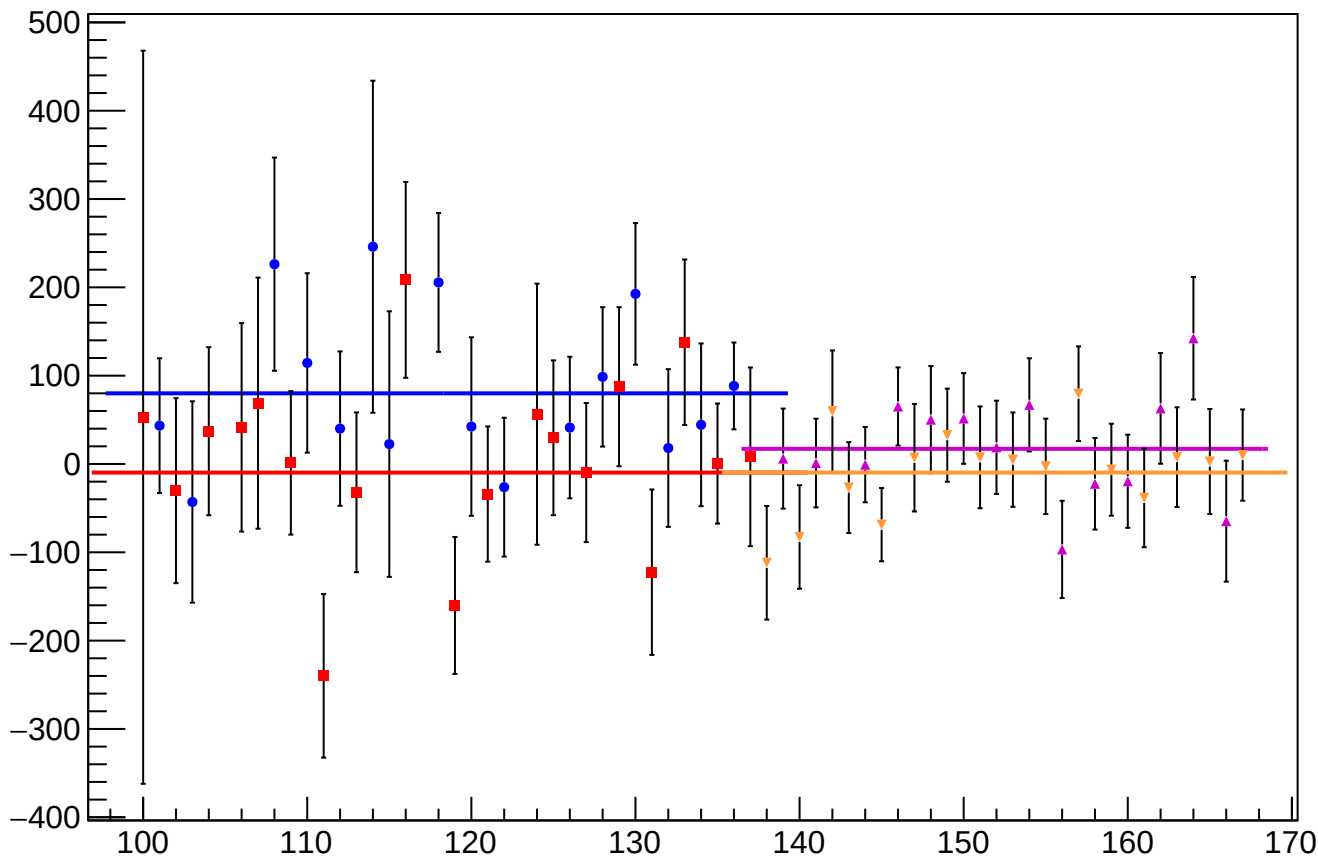
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2184664.3/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8259995.1/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 16978576.2/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 8675113.4/32

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -9.713 $\pm$ 13.689 χ^2 /NDF:11.5/15

Right Out: -9.730 $\pm$ 21.617 χ^2 /NDF: 20.3/18

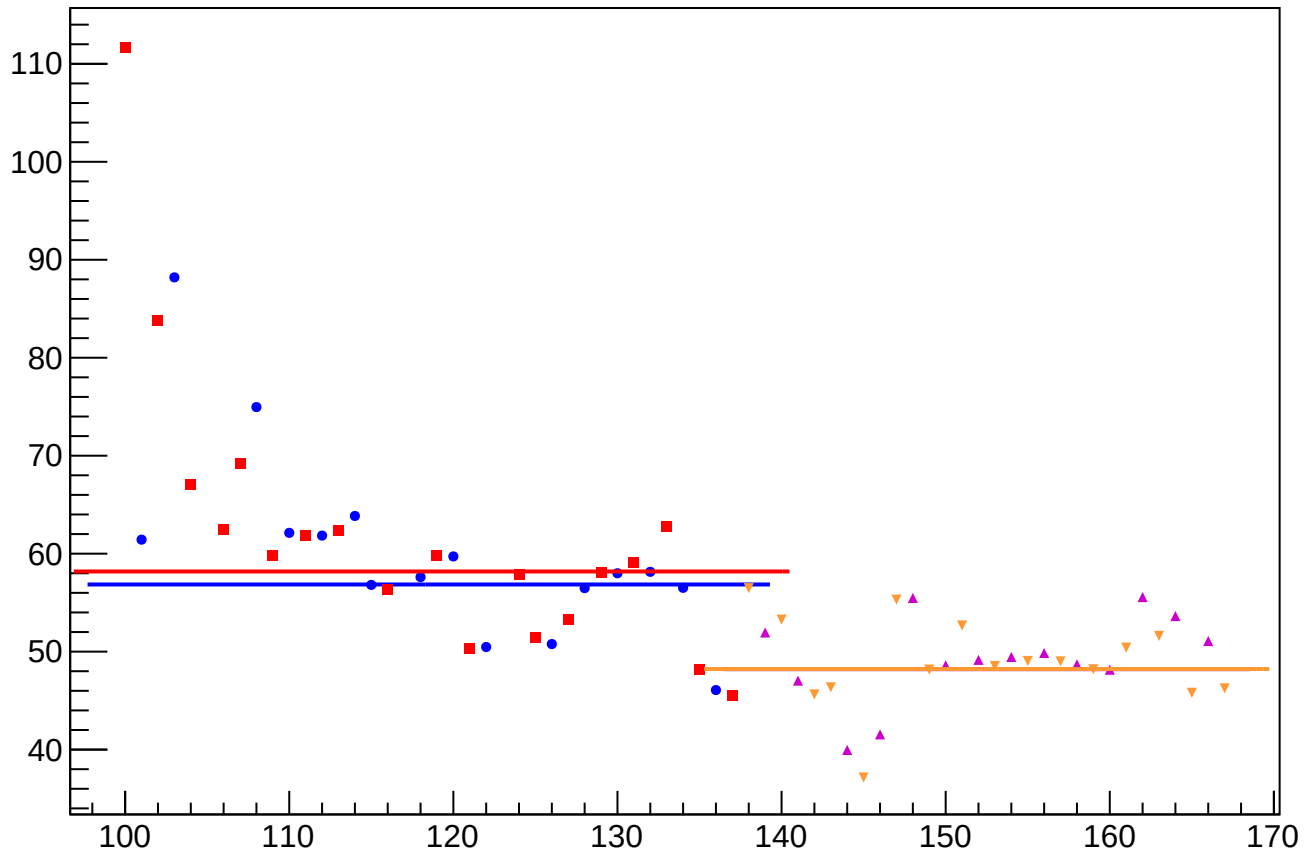
Left In: 17.183 $\pm$ 14.319 χ^2 /NDF:13.7/13

+ sign 16.208 $\pm$ 11.543 χ^2 /NDF: 35.4/31

All: 12.713 $\pm$ 8.298 χ^2 /NDF: 70.7/64

- sign 8.975 $\pm$ 11.938 χ^2 /NDF: 35.1/32

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341601.2/15

Left Out: 48.224 $\pm$ 0.010 χ^2 /NDF: 252196.7/15

Right Out: 58.181 $\pm$ 0.015 χ^2 /NDF: 314660.6/18

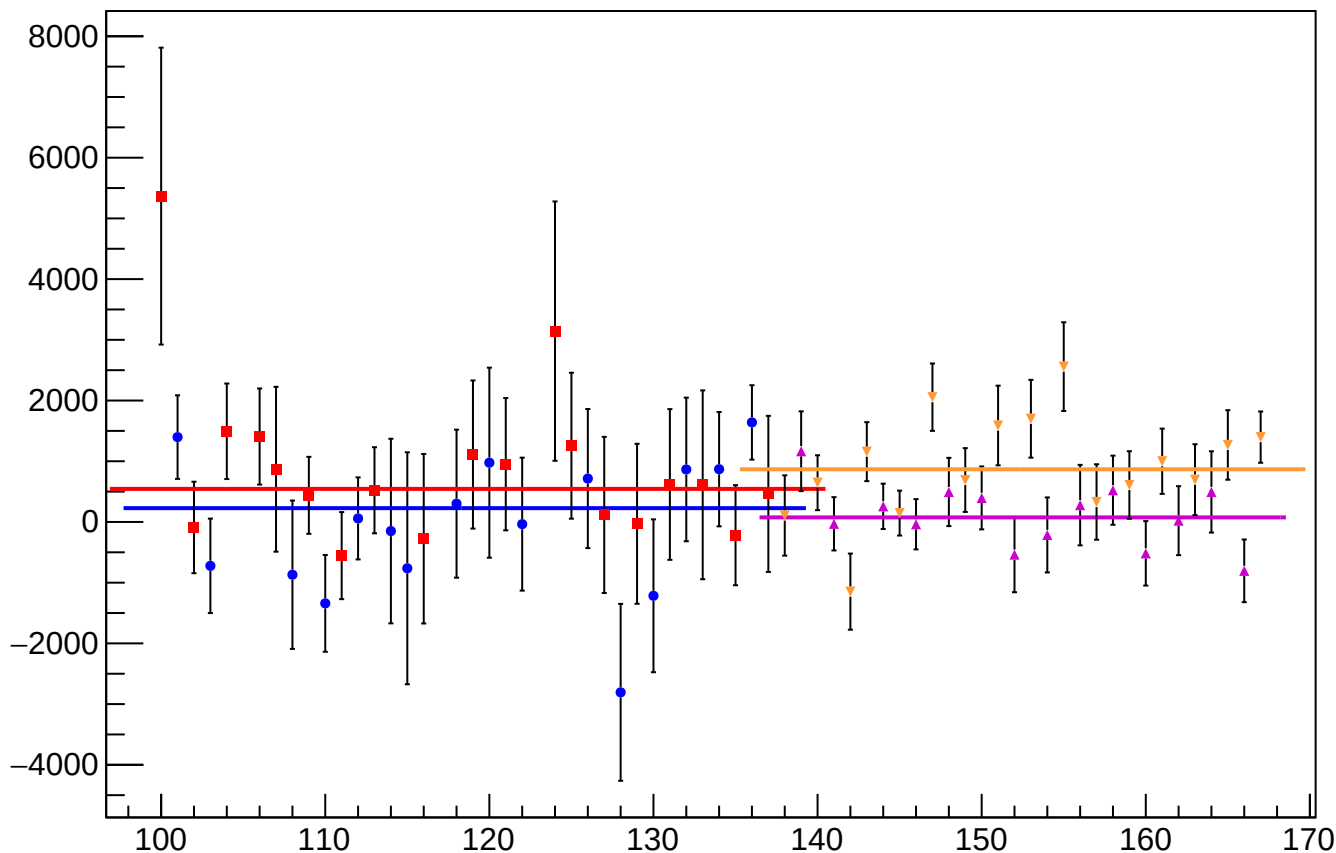
Left In: 48.211 $\pm$ 0.010 χ^2 /NDF: 205922.9/13

+ sign 50.717 $\pm$ 0.008 χ^2 /NDF: 823501.7/31

All: 50.976 $\pm$ 0.006 χ^2 /NDF: 1641872.1/64

- sign 51.251 $\pm$ 0.008 χ^2 /NDF: 816302.2/32

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508 $\pm$ 241.225 χ^2 /NDF: 21.6/15

Left Out: 867.731 $\pm$ 134.054 χ^2 /NDF:32.2/15

Right Out: 544.769 $\pm$ 227.243 χ^2 /NDF: 13.4/18

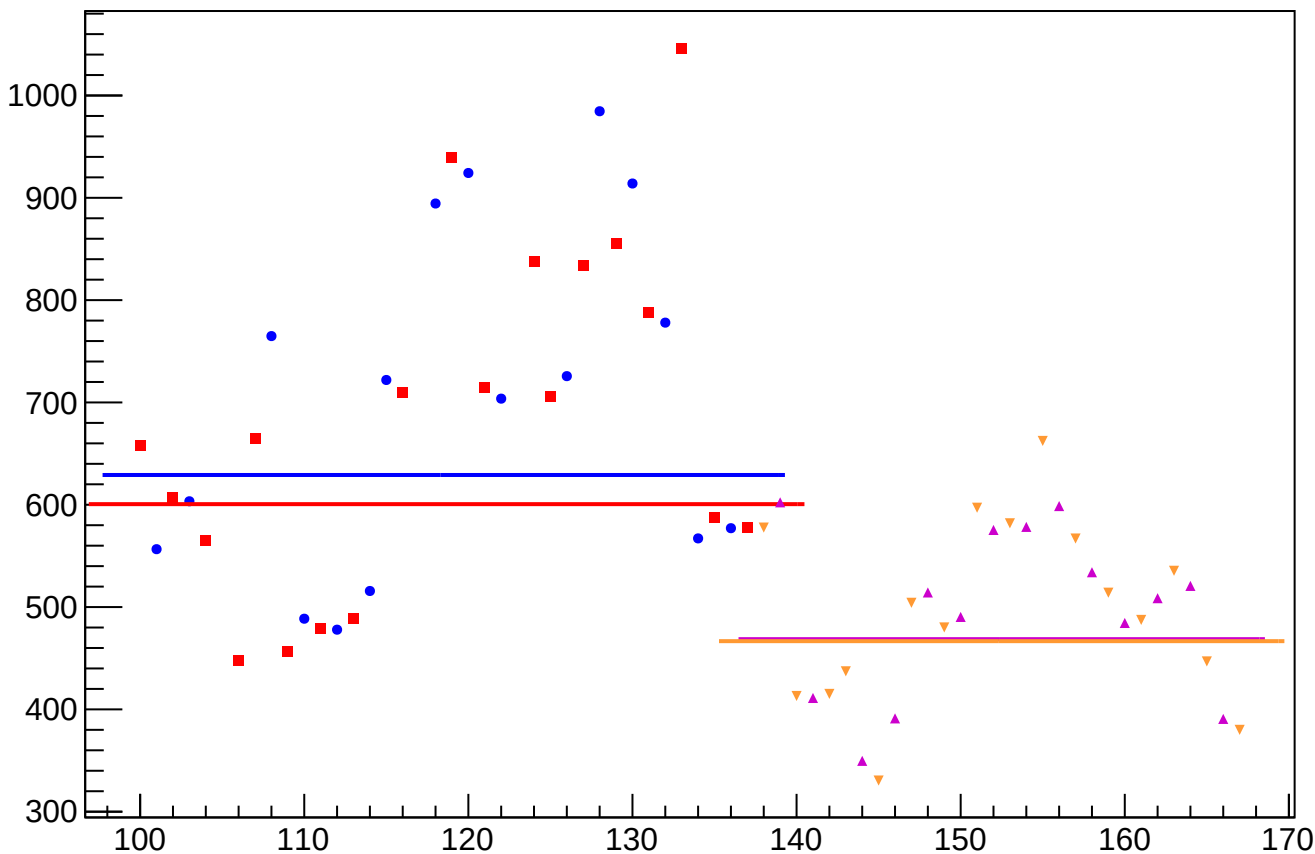
Left In: 75.116 $\pm$ 140.552 χ^2 /NDF:10.5/13

+ sign 716.666 $\pm$ 117.176 χ^2 /NDF: 59.2/31

All: 465.966 $\pm$ 83.678 χ^2 /NDF: 95.5/64

- sign 205.070 $\pm$ 119.535 χ^2 /NDF: 27.0/32

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: 466.676 $\pm$ 0.095 χ^2 /NDF: 858296.2/15

Right Out: 600.593 $\pm$ 0.161 χ^2 /NDF: 874614.2/18

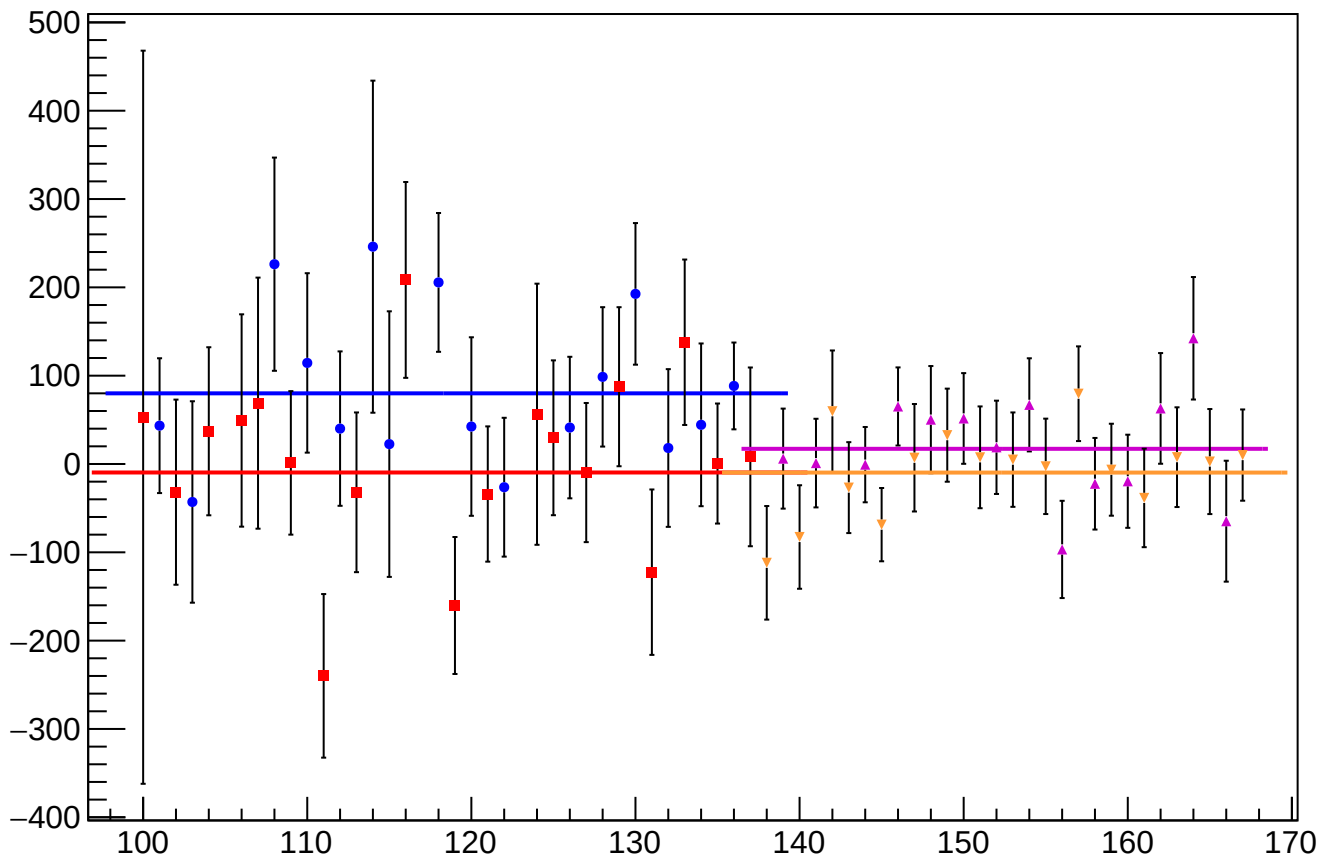
Left In: 468.633 $\pm$ 0.099 χ^2 /NDF: 701990.2/13

+ sign 505.001 $\pm$ 0.083 χ^2 /NDF: 2243773.7/31

All: 505.072 $\pm$ 0.059 χ^2 /NDF: 4308193.7/64

- sign 505.147 $\pm$ 0.085 χ^2 /NDF: 2064418.5/32

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -9.715 $\pm$ 13.689 χ^2 /NDF:11.5/15

Right Out: -9.619 $\pm$ 21.631 χ^2 /NDF: 20.4/18

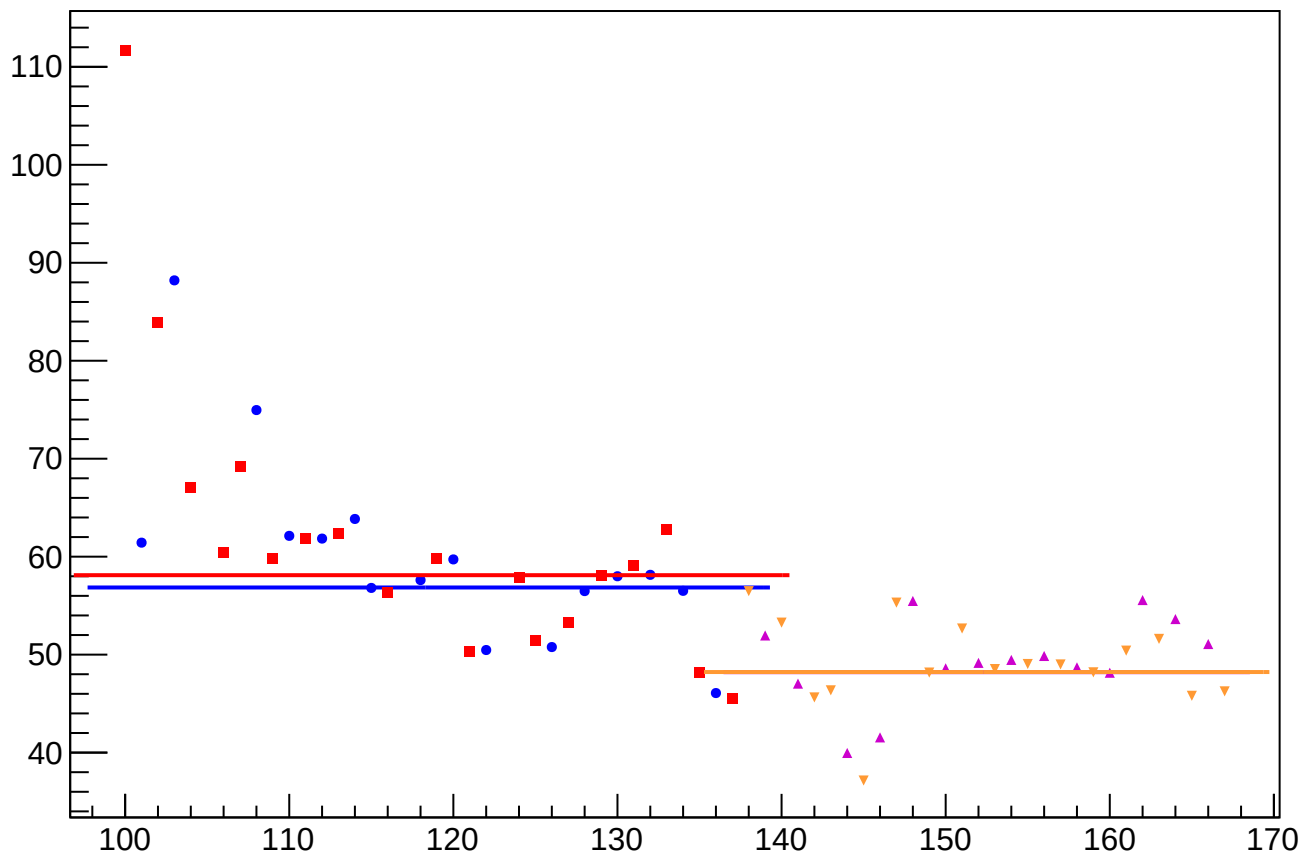
Left In: 17.184 $\pm$ 14.319 χ^2 /NDF:13.7/13

+ sign 16.207 $\pm$ 11.543 χ^2 /NDF: 35.4/31

All: 12.734 $\pm$ 8.299 χ^2 /NDF: 70.8/64

- sign 9.017 $\pm$ 11.940 χ^2 /NDF: 35.2/32

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 ± 0.015 χ^2/NDF : 341605.0/15

Left Out: 48.224 ± 0.010 χ^2/NDF : 252196.7/15

Right Out: 58.111 ± 0.015 χ^2/NDF : 312938.5/18

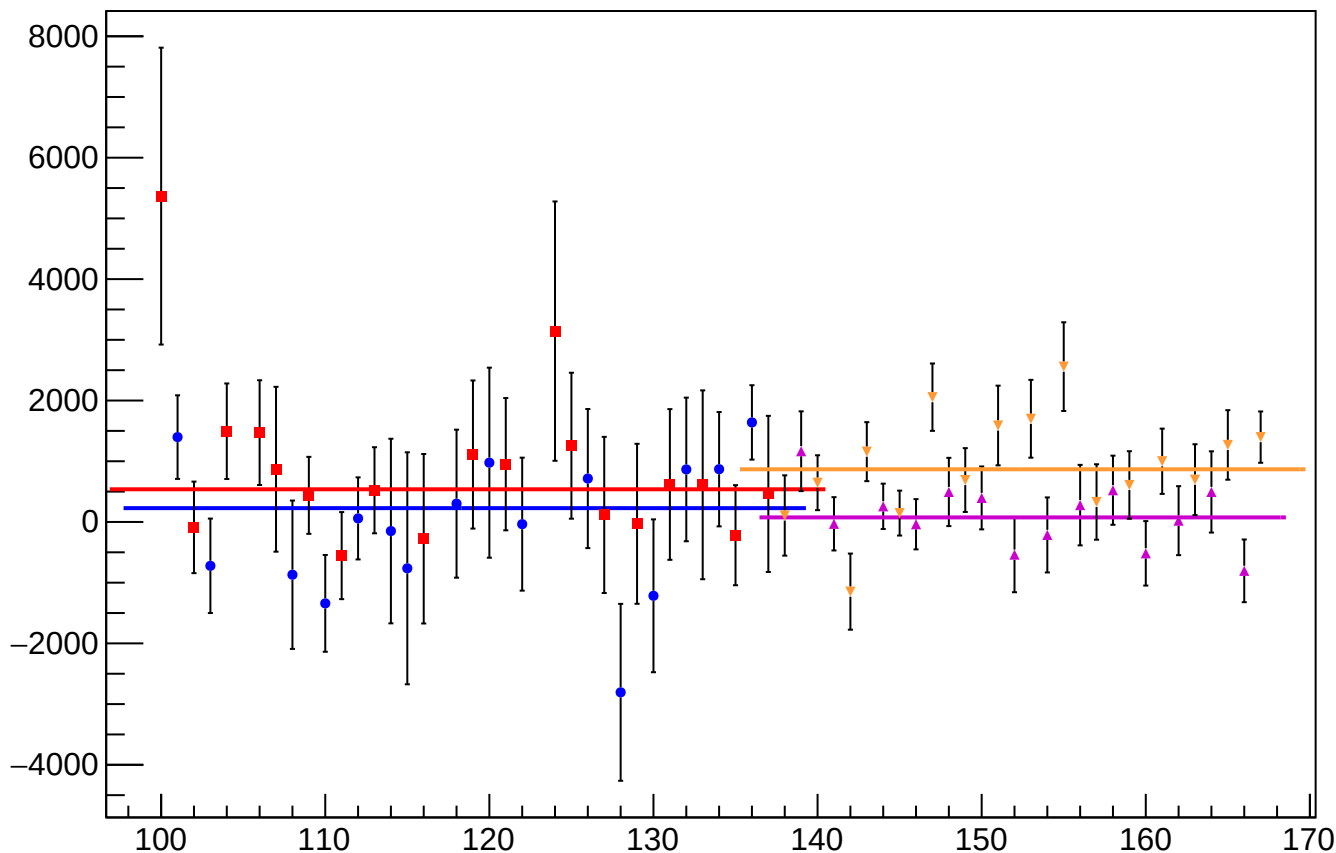
Left In: 48.211 ± 0.010 χ^2/NDF : 205922.9/13

+ sign 50.717 ± 0.008 χ^2/NDF : 823505.7/31

All: 50.964 ± 0.006 χ^2/NDF : 1635535.5/64

- sign 51.227 ± 0.008 χ^2/NDF : 810145.2/32

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547 ± 241.227 χ^2/NDF : 21.6/15

Left Out: 867.728 ± 134.054 χ^2/NDF : 32.2/15

Right Out: 538.117 ± 228.754 χ^2/NDF : 13.3/18

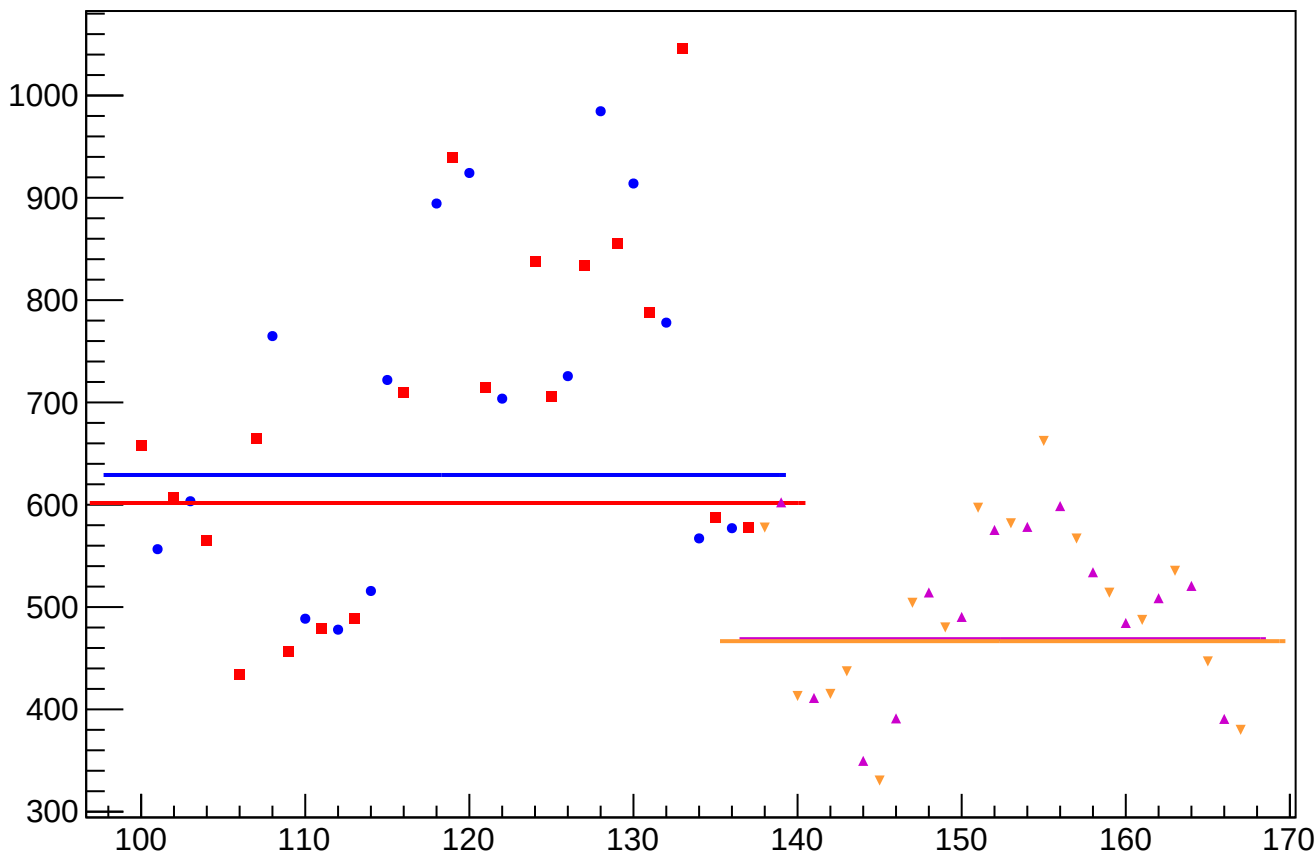
Left In: 75.119 ± 140.552 χ^2/NDF : 10.5/13

+ sign 716.674 ± 117.176 χ^2/NDF : 59.2/31

All: 464.938 ± 83.753 χ^2/NDF : 95.5/64

- sign 202.006 ± 119.754 χ^2/NDF : 26.8/32

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101 ± 0.171 χ^2/NDF : 692716.0/15

Left Out: 466.676 ± 0.095 χ^2/NDF : 858298.4/15

Right Out: 601.721 ± 0.162 χ^2/NDF : 874042.1/18

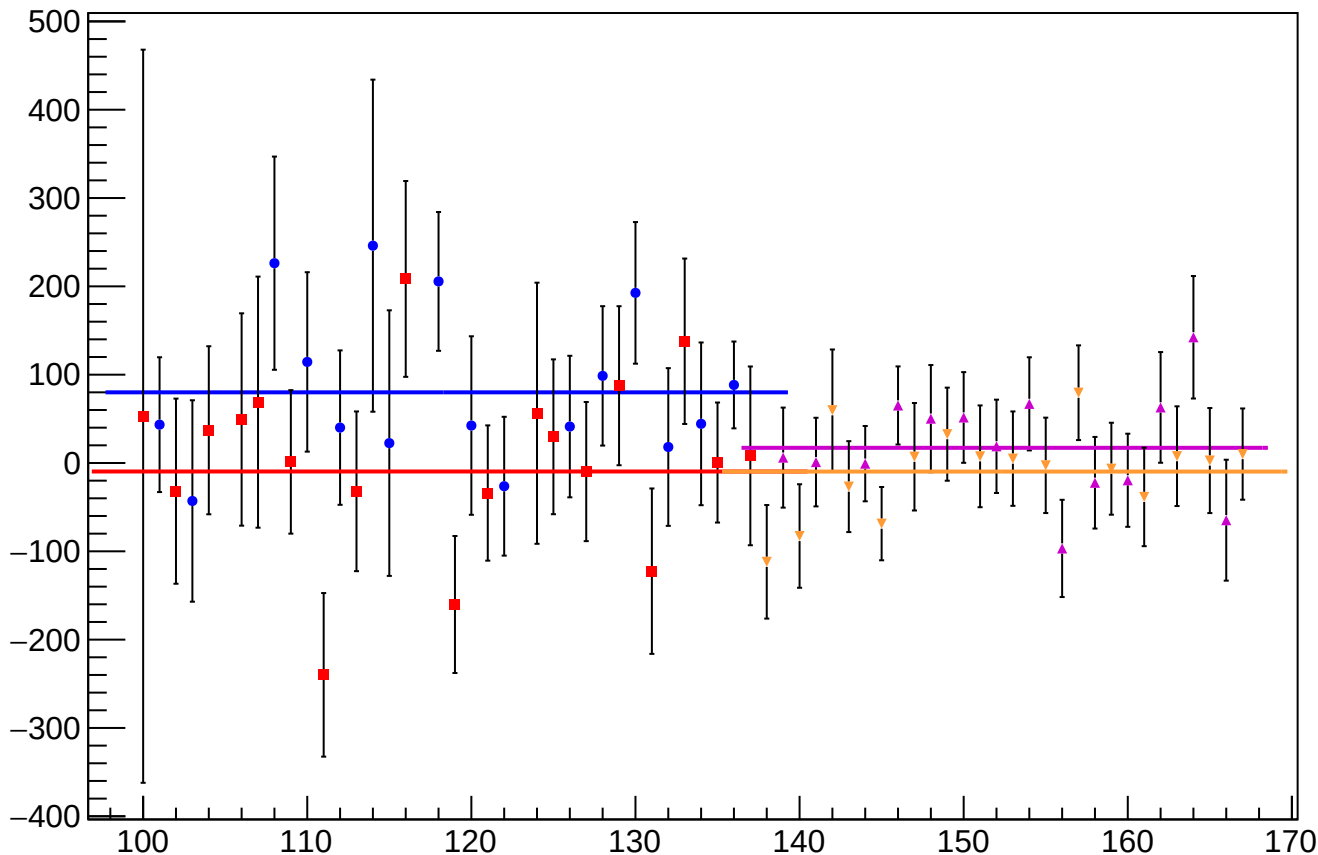
Left In: 468.633 ± 0.099 χ^2/NDF : 701987.7/13

+ sign 505.001 ± 0.083 χ^2/NDF : 2243802.2/31

All: 505.053 ± 0.059 χ^2/NDF : 4311272.1/64

- sign 505.107 ± 0.085 χ^2/NDF : 2067469.1/32

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 ± 21.474 χ^2/NDF : 11.6/15

Left Out: -9.715 ± 13.689 χ^2/NDF : 11.5/15

Right Out: -9.619 ± 21.631 χ^2/NDF : 20.4/18

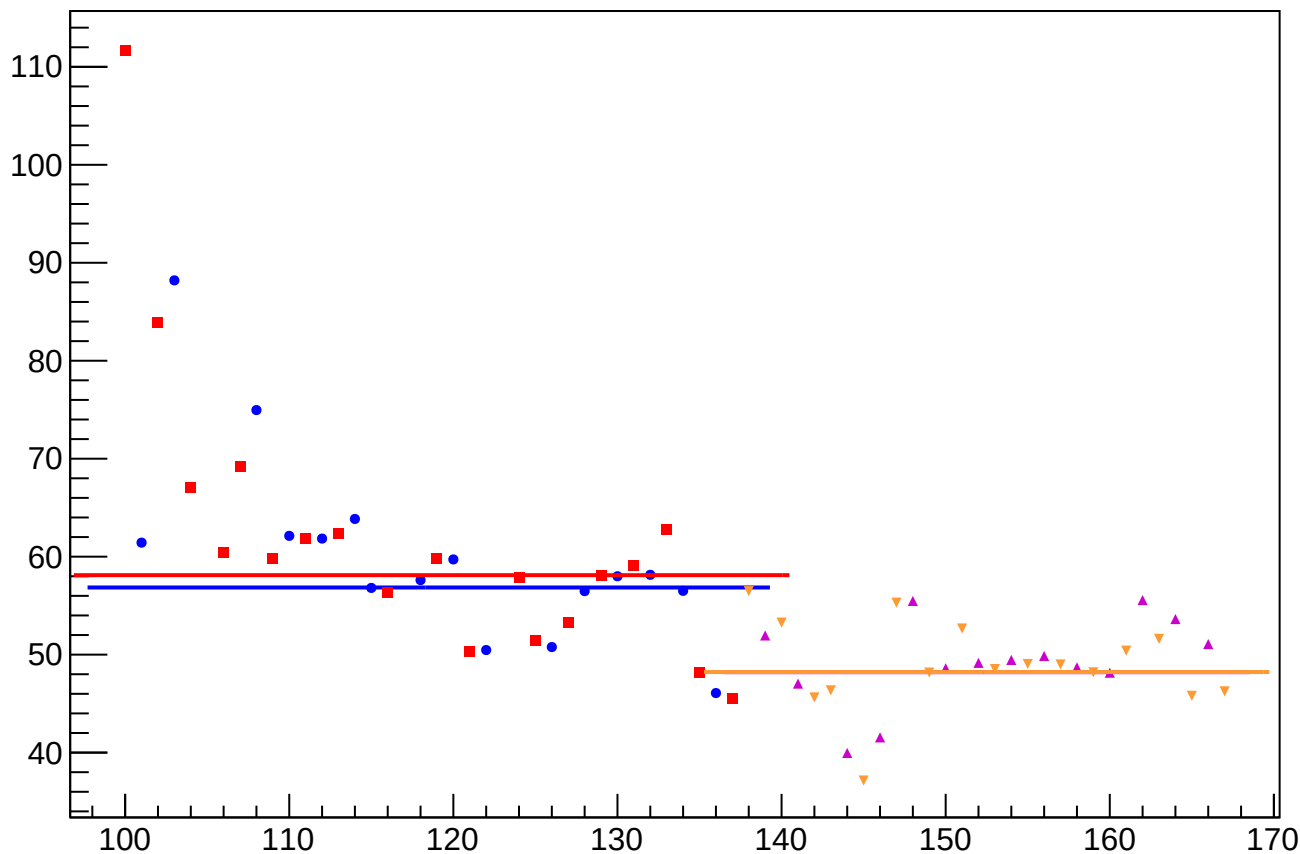
Left In: 17.184 ± 14.319 χ^2/NDF : 13.7/13

+ sign 16.207 ± 11.543 χ^2/NDF : 35.4/31

All: 12.734 ± 8.299 χ^2/NDF : 70.8/64

- sign 9.017 ± 11.940 χ^2/NDF : 35.2/32

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: 48.224 $\pm$ 0.010 χ^2 /NDF: 252196.7/15

Right Out: 58.111 $\pm$ 0.015 χ^2 /NDF: 312938.5/18

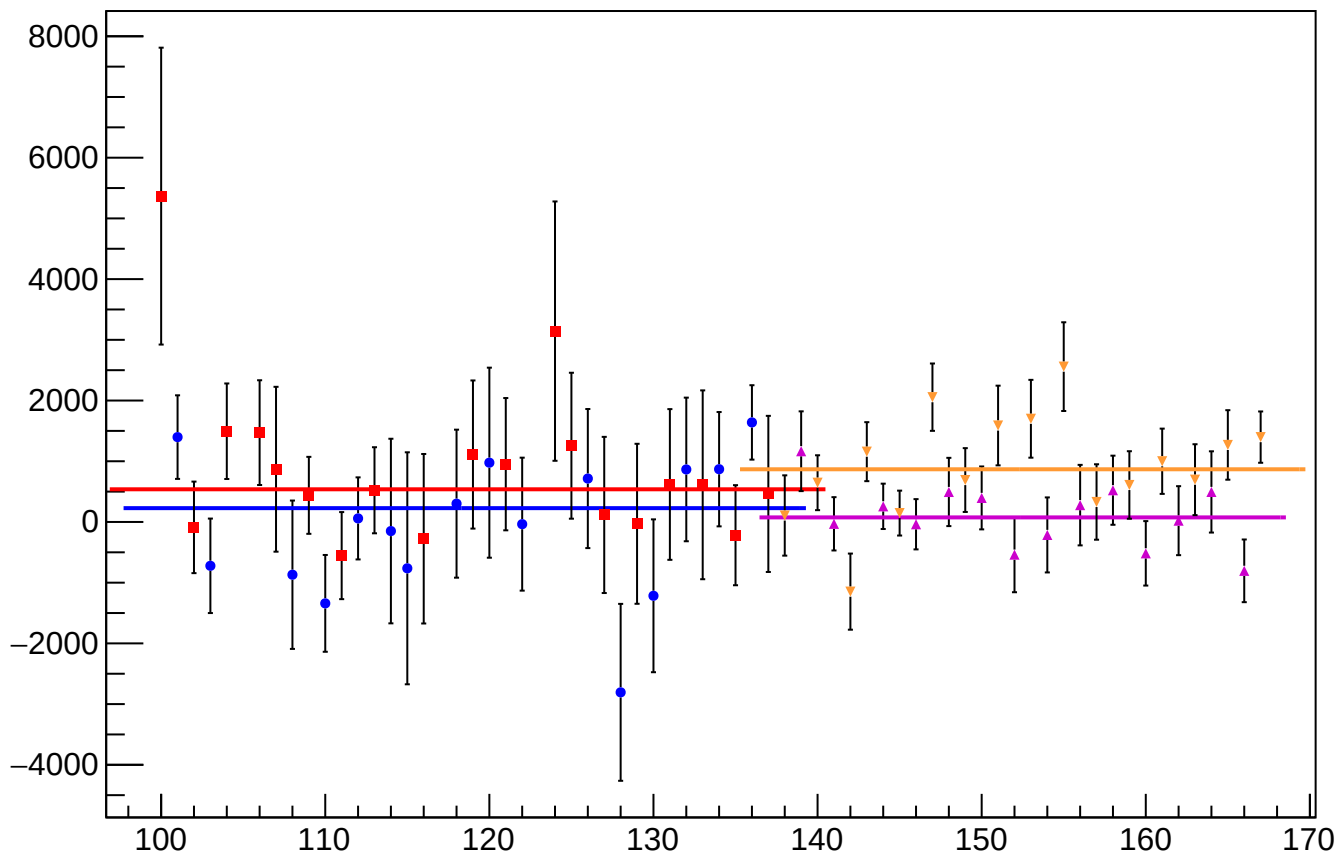
Left In: 48.211 $\pm$ 0.010 χ^2 /NDF: 205922.9/13

+ sign 50.717 $\pm$ 0.008 χ^2 /NDF: 823505.7/31

All: 50.964 $\pm$ 0.006 χ^2 /NDF: 1635535.5/64

- sign 51.227 $\pm$ 0.008 χ^2 /NDF: 810145.2/32

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 227.547 ± 241.227 χ^2/NDF : 21.6/15

Left Out: 867.728 ± 134.054 χ^2/NDF : 32.2/15

Right Out: 538.117 ± 228.754 χ^2/NDF : 13.3/18

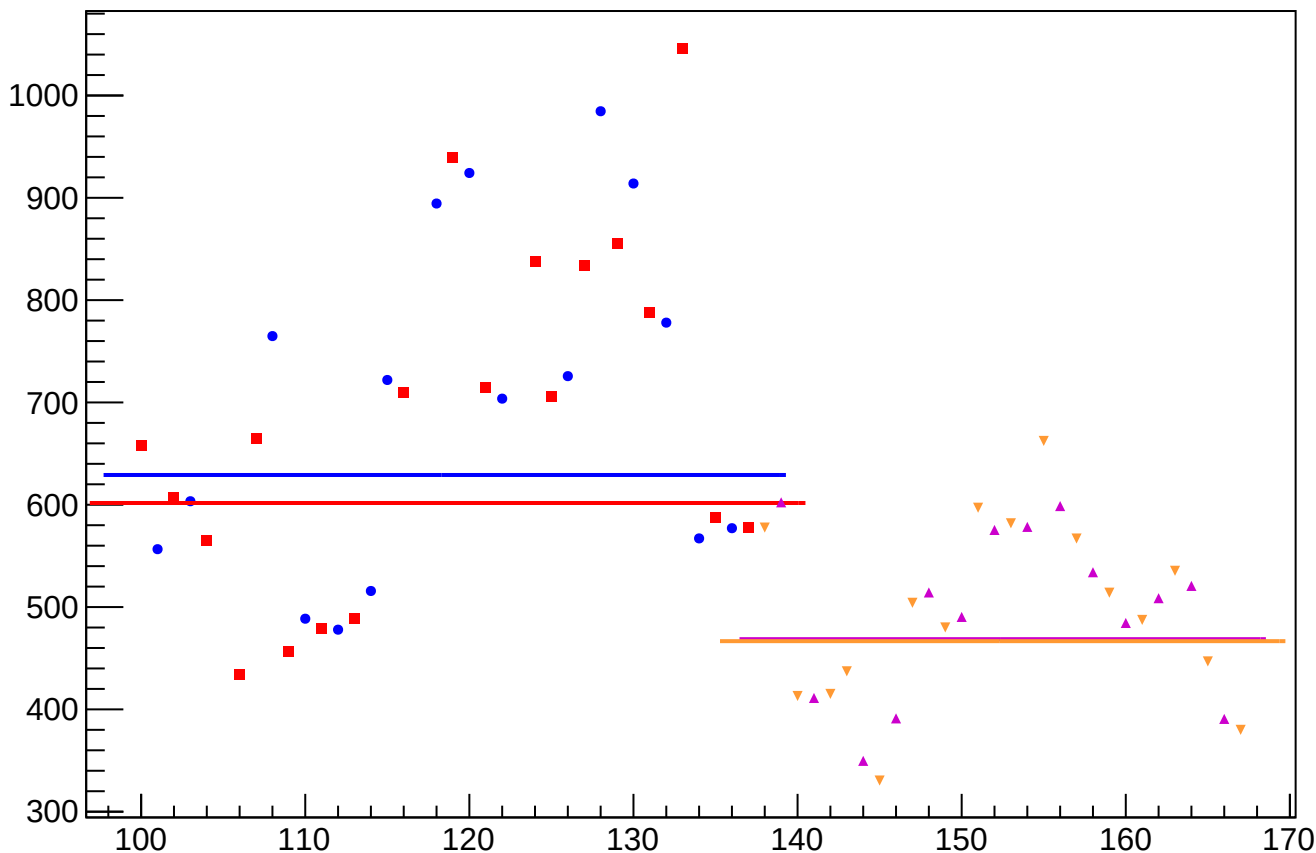
Left In: 75.119 ± 140.552 χ^2/NDF : 10.5/13

+ sign 716.674 ± 117.176 χ^2/NDF : 59.2/31

All: 464.938 ± 83.753 χ^2/NDF : 95.5/64

- sign 202.006 ± 119.754 χ^2/NDF : 26.8/32

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: 466.676 $\pm$ 0.095 χ^2 /NDF: 858298.4/15

Right Out: 601.721 $\pm$ 0.162 χ^2 /NDF: 874042.1/18

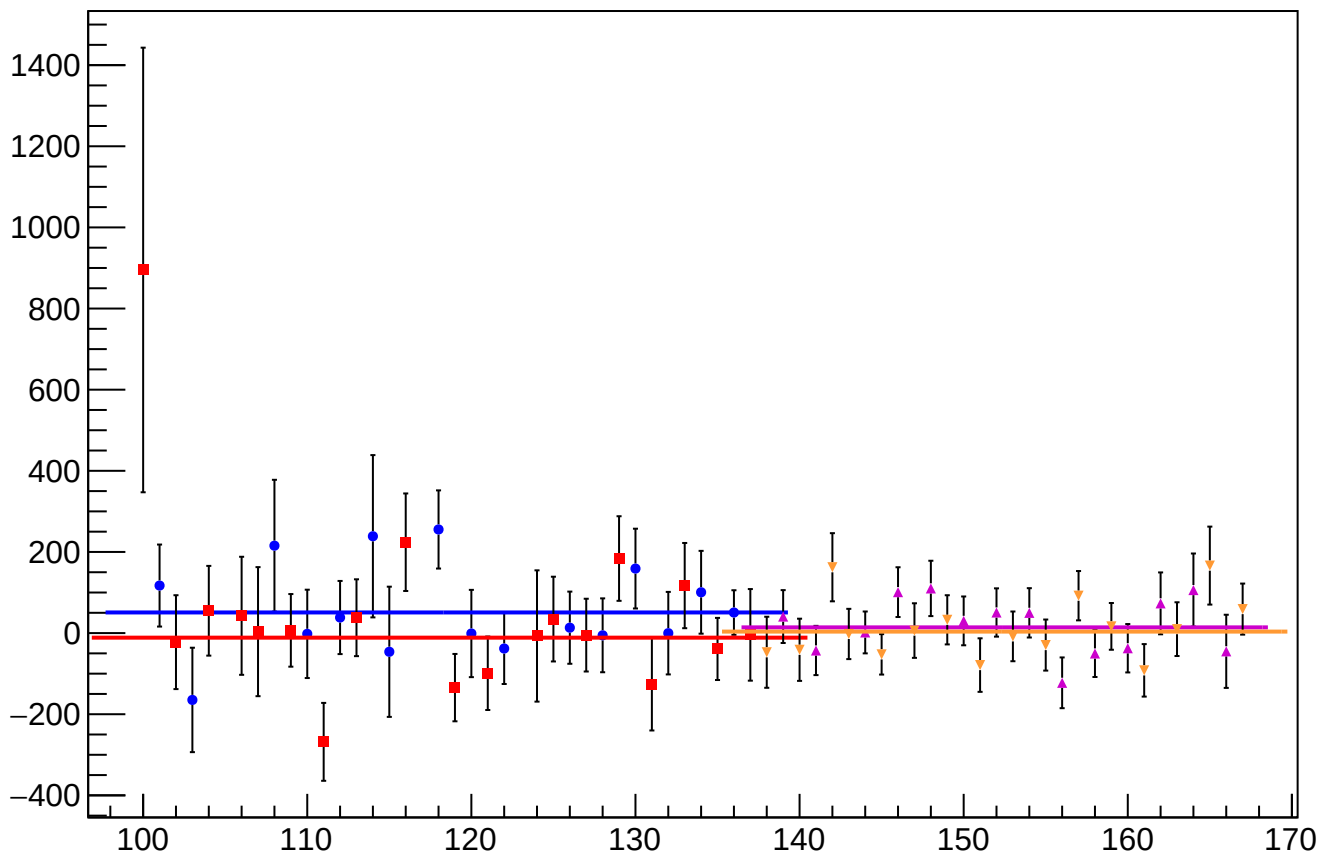
Left In: 468.633 $\pm$ 0.099 χ^2 /NDF: 701987.7/13

+ sign 505.001 $\pm$ 0.083 χ^2 /NDF: 2243802.2/31

All: 505.053 $\pm$ 0.059 χ^2 /NDF: 4311272.1/64

- sign 505.107 $\pm$ 0.085 χ^2 /NDF: 2067469.1/32

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861 ± 24.492 χ^2/NDF : 13.8/15

Left Out: 3.687 ± 16.336 χ^2/NDF : 15.6/15

Right Out: -11.261 ± 24.324 χ^2/NDF : 24.0/18

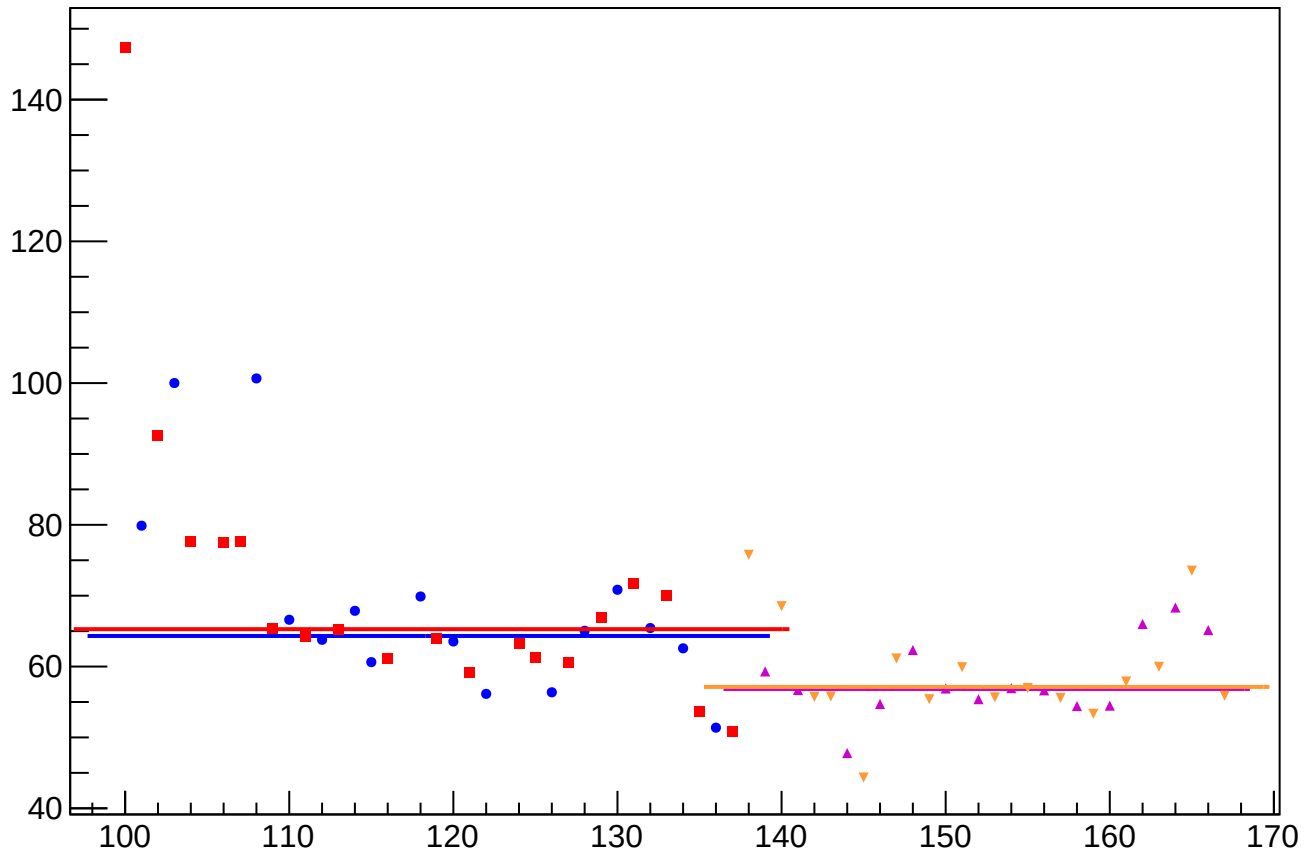
Left In: 14.081 ± 17.038 χ^2/NDF : 14.7/13

+ sign 18.212 ± 13.590 χ^2/NDF : 32.0/31

All: 12.141 ± 9.736 χ^2/NDF : 71.9/64

- sign 5.740 ± 13.955 χ^2/NDF : 39.5/32

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 ± 0.017 $\chi^2/\text{NDF}: 464952.4/15$

Left Out: 57.130 ± 0.012 $\chi^2/\text{NDF}: 354693.6/15$

Right Out: 65.277 ± 0.017 $\chi^2/\text{NDF}: 319136.6/18$

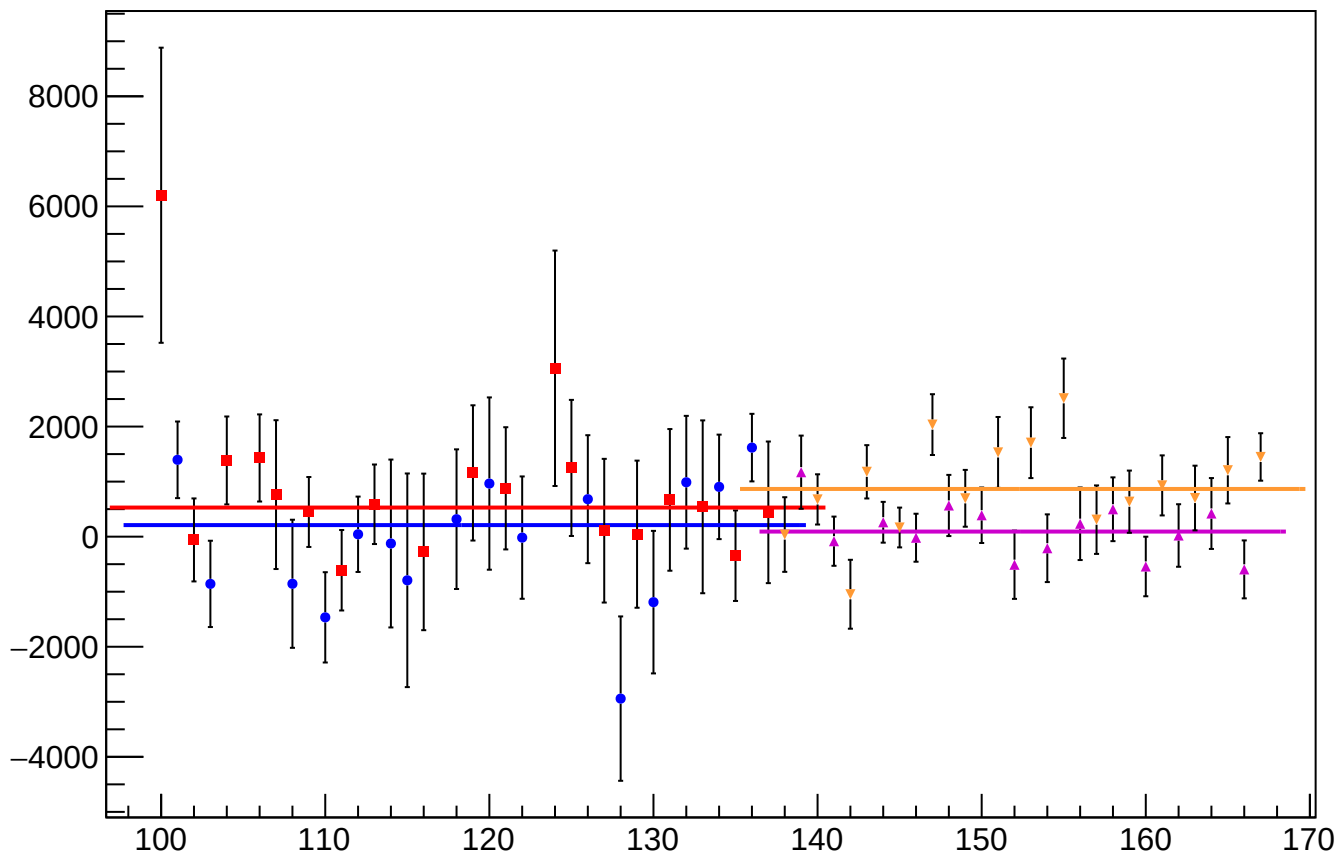
Left In: 56.837 ± 0.012 $\chi^2/\text{NDF}: 165905.7/13$

+ sign 59.343 ± 0.010 $\chi^2/\text{NDF}: 938819.2/31$

All: 59.475 ± 0.007 $\chi^2/\text{NDF}: 1585810.9/64$

- sign 59.615 ± 0.010 $\chi^2/\text{NDF}: 646602.3/32$

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018 ± 243.798 $\chi^2/\text{NDF}: 22.4/15$

Left Out: 866.673 ± 134.430 $\chi^2/\text{NDF}: 30.9/15$

Right Out: 528.675 ± 229.679 $\chi^2/\text{NDF}: 13.8/18$

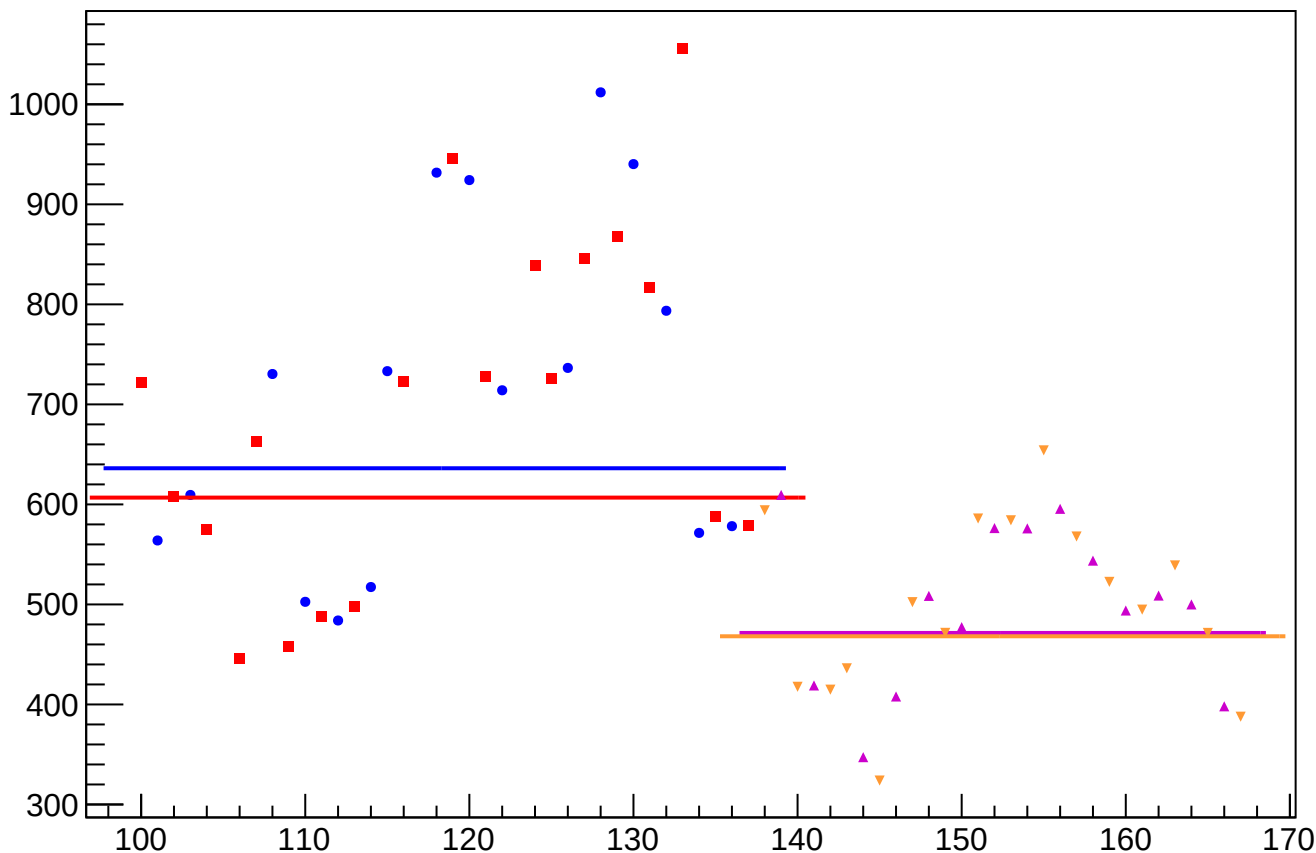
Left In: 92.425 ± 141.350 $\chi^2/\text{NDF}: 9.2/13$

+ sign 713.571 ± 117.720 $\chi^2/\text{NDF}: 58.9/31$

All: 468.518 ± 84.165 $\chi^2/\text{NDF}: 93.5/64$

- sign 212.265 ± 120.380 $\chi^2/\text{NDF}: 25.6/32$

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144 $\pm$ 0.172 χ^2 /NDF: 705237.7/15

Left Out: 468.157 $\pm$ 0.095 χ^2 /NDF: 881149.7/15

Right Out: 606.803 $\pm$ 0.162 χ^2 /NDF: 893878.7/18

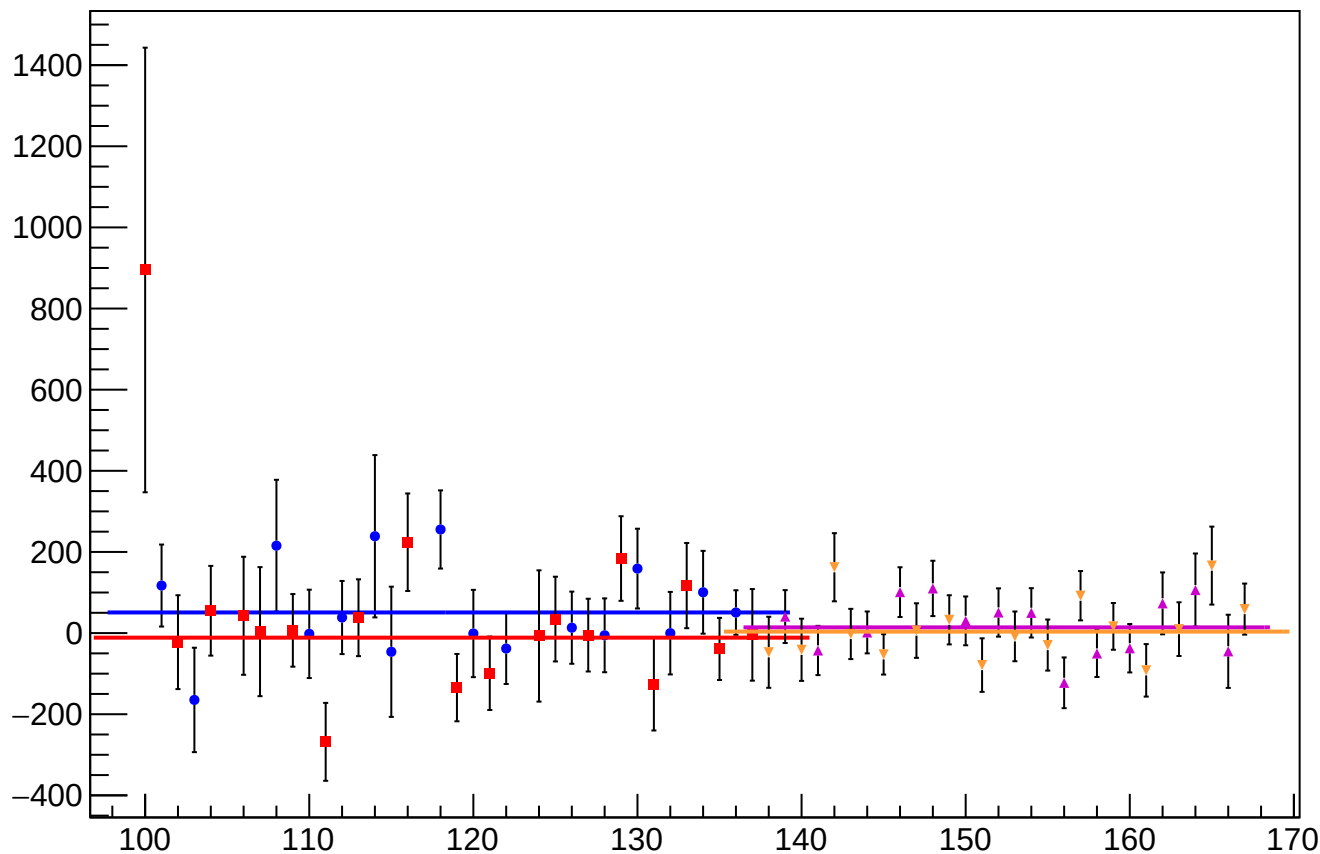
Left In: 471.479 $\pm$ 0.100 χ^2 /NDF: 661865.5/13

+ sign 507.324 $\pm$ 0.083 χ^2 /NDF: 2314553.5/31

All: 507.974 $\pm$ 0.060 χ^2 /NDF: 4373986.5/64

- sign 508.653 $\pm$ 0.085 χ^2 /NDF: 2059308.4/32

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859 ± 24.492 χ^2/NDF : 13.8/15

Left Out: 3.686 ± 16.336 χ^2/NDF : 15.6/15

Right Out: -11.261 ± 24.324 χ^2/NDF : 24.0/18

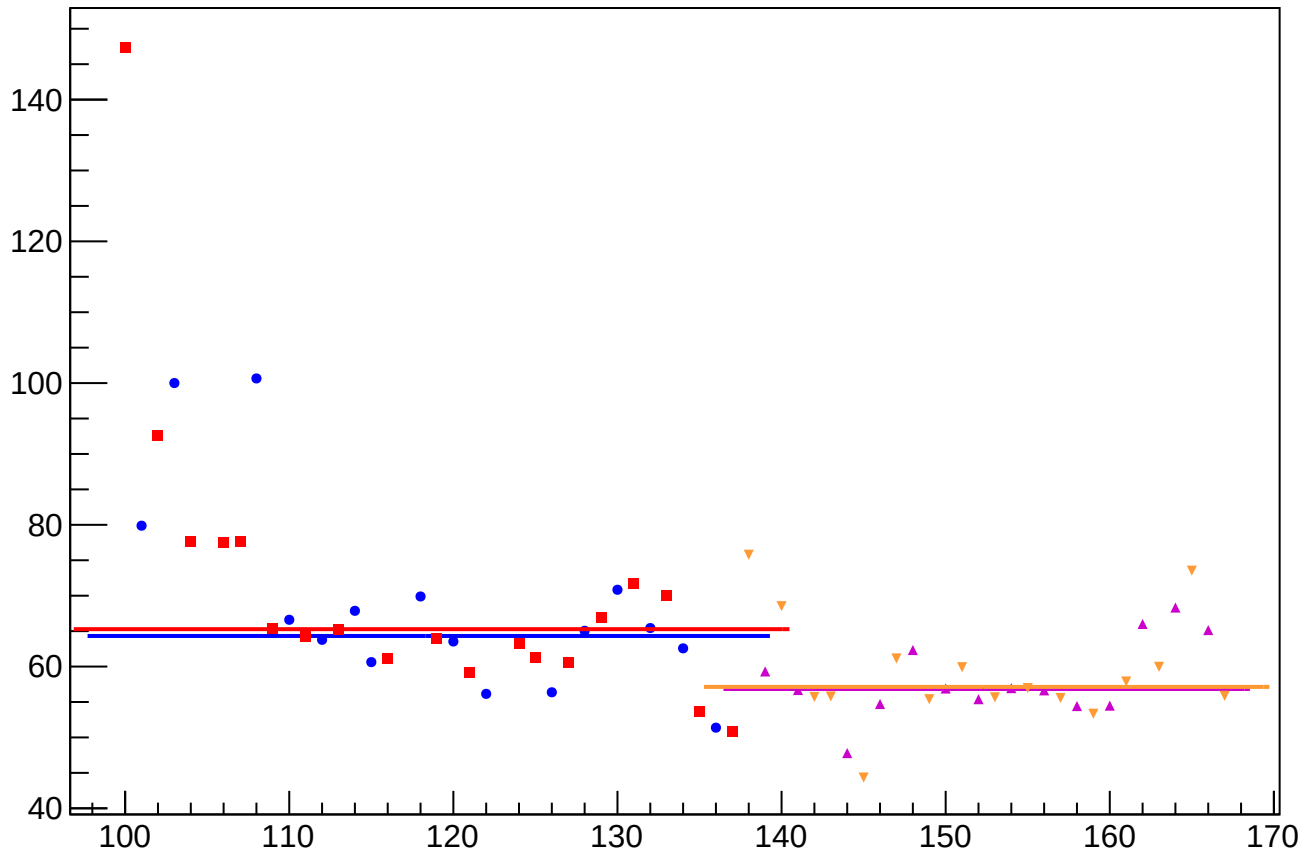
Left In: 14.080 ± 17.038 χ^2/NDF : 14.7/13

+ sign 18.210 ± 13.590 χ^2/NDF : 32.0/31

All: 12.140 ± 9.736 χ^2/NDF : 71.9/64

- sign 5.740 ± 13.955 χ^2/NDF : 39.5/32

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 $\pm$ 0.017 χ^2/NDF : 464950.5/15

Left Out: 57.131 $\pm$ 0.012 χ^2/NDF : 354681.7/15

Right Out: 65.277 $\pm$ 0.017 χ^2/NDF : 319140.2/18

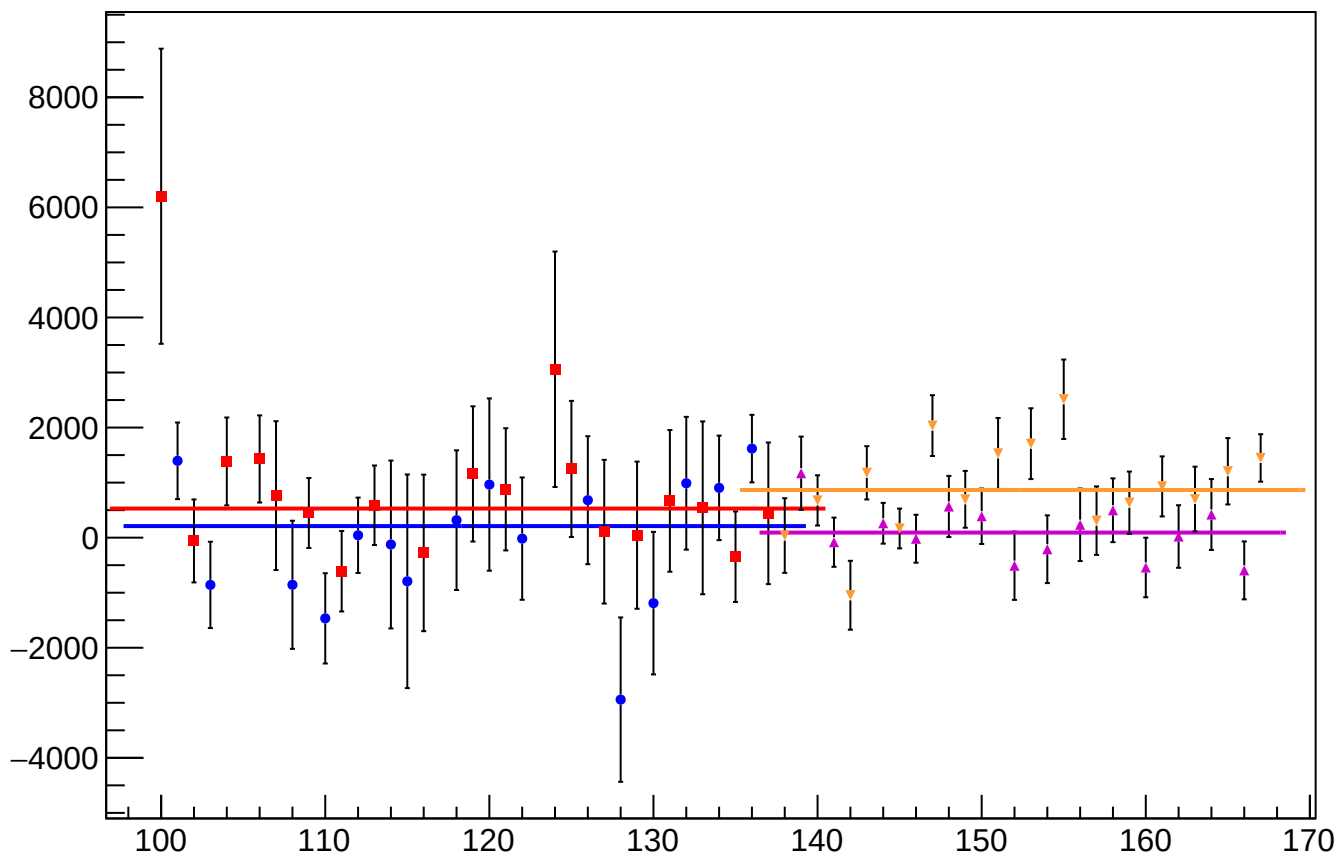
Left In: 56.837 $\pm$ 0.012 χ^2/NDF : 165902.3/13

+ sign 59.343 $\pm$ 0.010 χ^2/NDF : 938798.1/31

All: 59.475 $\pm$ 0.007 χ^2/NDF : 1585780.6/64

- sign 59.615 $\pm$ 0.010 χ^2/NDF : 646593.3/32

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: 866.671 $\pm$ 134.430 χ^2 /NDF:30.9/15

Right Out: 528.674 $\pm$ 229.678 χ^2 /NDF: 13.8/18

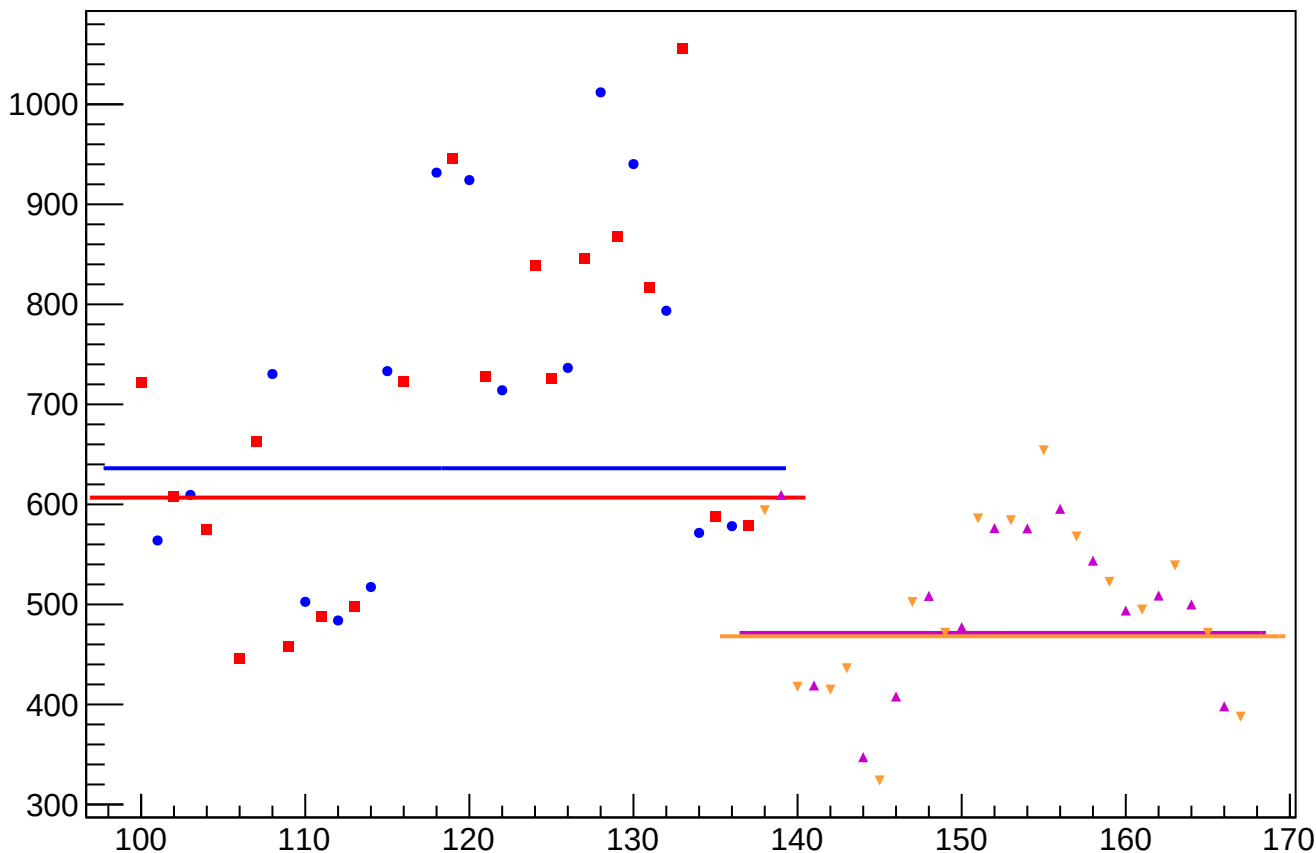
Left In: 92.424 $\pm$ 141.350 χ^2 /NDF:9.2/13

+ sign 713.570 $\pm$ 117.720 χ^2 /NDF: 58.9/31

All: 468.516 $\pm$ 84.165 χ^2 /NDF: 93.5/64

- sign 212.264 $\pm$ 120.380 χ^2 /NDF: 25.6/32

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 636.144 $\pm$ 0.172 χ^2 /NDF: 705241.1/15

Left Out: 468.156 $\pm$ 0.095 χ^2 /NDF: 881159.8/15

Right Out: 606.802 $\pm$ 0.162 χ^2 /NDF: 893880.8/18

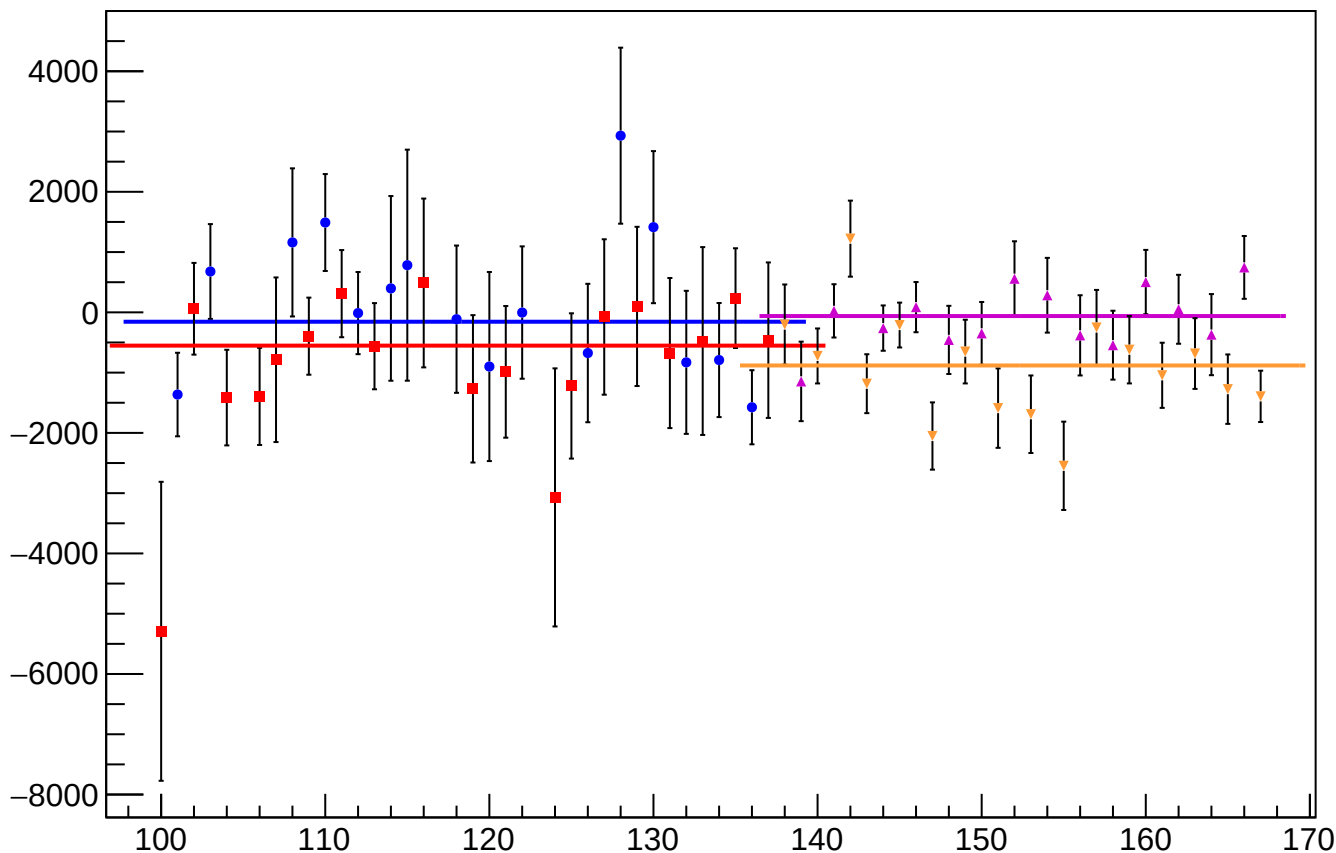
Left In: 471.478 $\pm$ 0.100 χ^2 /NDF: 661867.6/13

+ sign 507.323 $\pm$ 0.083 χ^2 /NDF: 2314571.3/31

All: 507.973 $\pm$ 0.060 χ^2 /NDF: 4374010.2/64

- sign 508.652 $\pm$ 0.085 χ^2 /NDF: 2059314.3/32

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651 ± 242.595 χ^2/NDF : 22.5/15

Left Out: -881.314 ± 134.829 χ^2/NDF : 31.8/15

Right Out: -552.176 ± 228.890 χ^2/NDF : 12.1/18

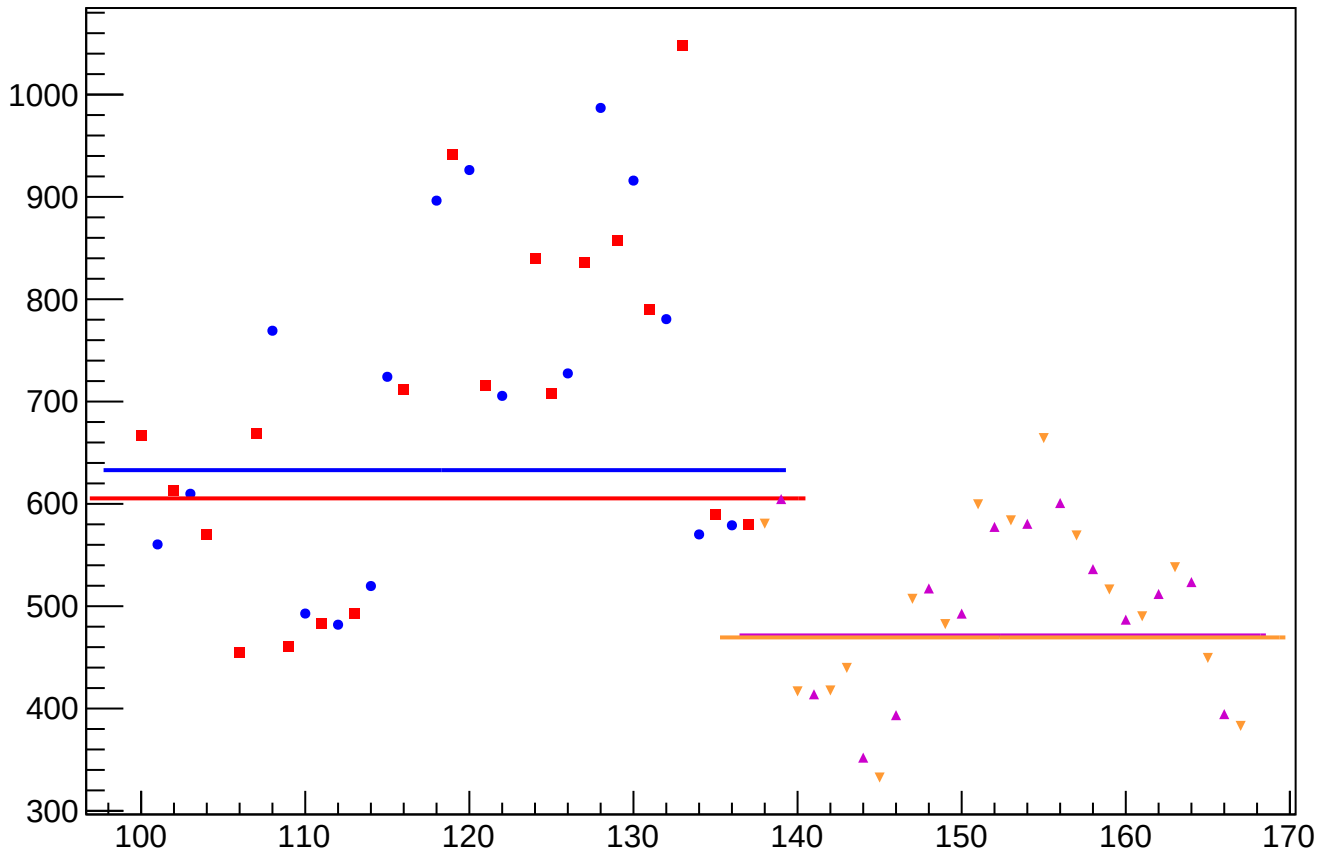
Left In: -61.514 ± 141.360 χ^2/NDF : 10.0/13

+ sign -710.064 ± 117.850 χ^2/NDF : 61.1/31

All: -458.742 ± 84.176 χ^2/NDF : 95.8/64

- sign -196.988 ± 120.272 χ^2/NDF : 25.4/32

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966 $\pm$ 0.172 χ^2 /NDF: 681138.4/15

Left Out: 469.488 $\pm$ 0.095 χ^2 /NDF: 847616.0/15

Right Out: 605.373 $\pm$ 0.162 χ^2 /NDF: 853994.0/18

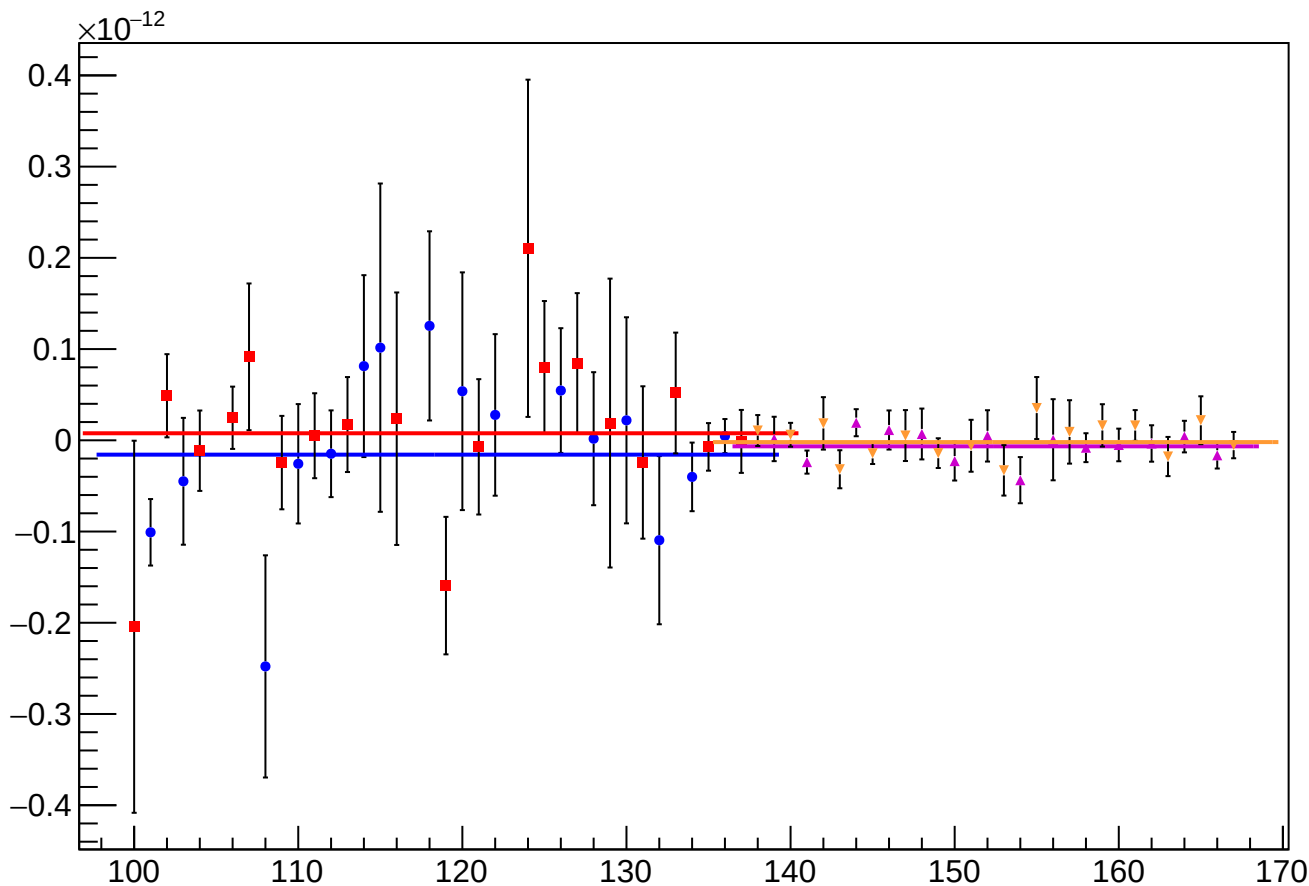
Left In: 471.434 $\pm$ 0.100 χ^2 /NDF: 692582.4/13

+ sign 508.067 $\pm$ 0.083 χ^2 /NDF: 2222634.5/31

All: 508.238 $\pm$ 0.060 χ^2 /NDF: 4264977.9/64

- sign 508.415 $\pm$ 0.085 χ^2 /NDF: 2042334.9/32

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 : 11.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.0/18

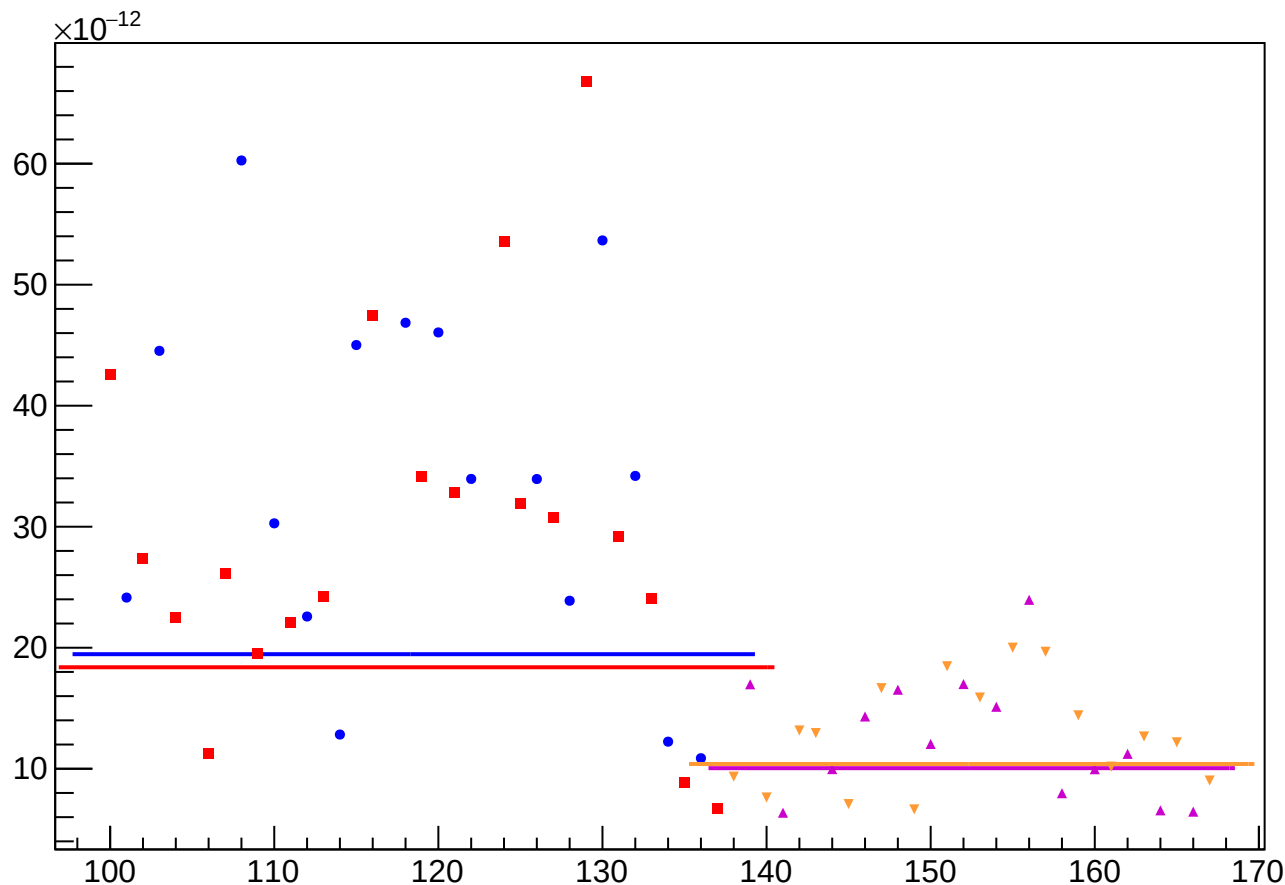
Left In: -0.000 ± 0.000 χ^2/NDF : 9.7/13

+ sign -0.000 ± 0.000 χ^2/NDF : 29.0/31

All: -0.000 ± 0.000 χ^2/NDF : 52.9/64

- sign -0.000 ± 0.000 χ^2/NDF : 23.9/32

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 : 1164474.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1444777.6/18

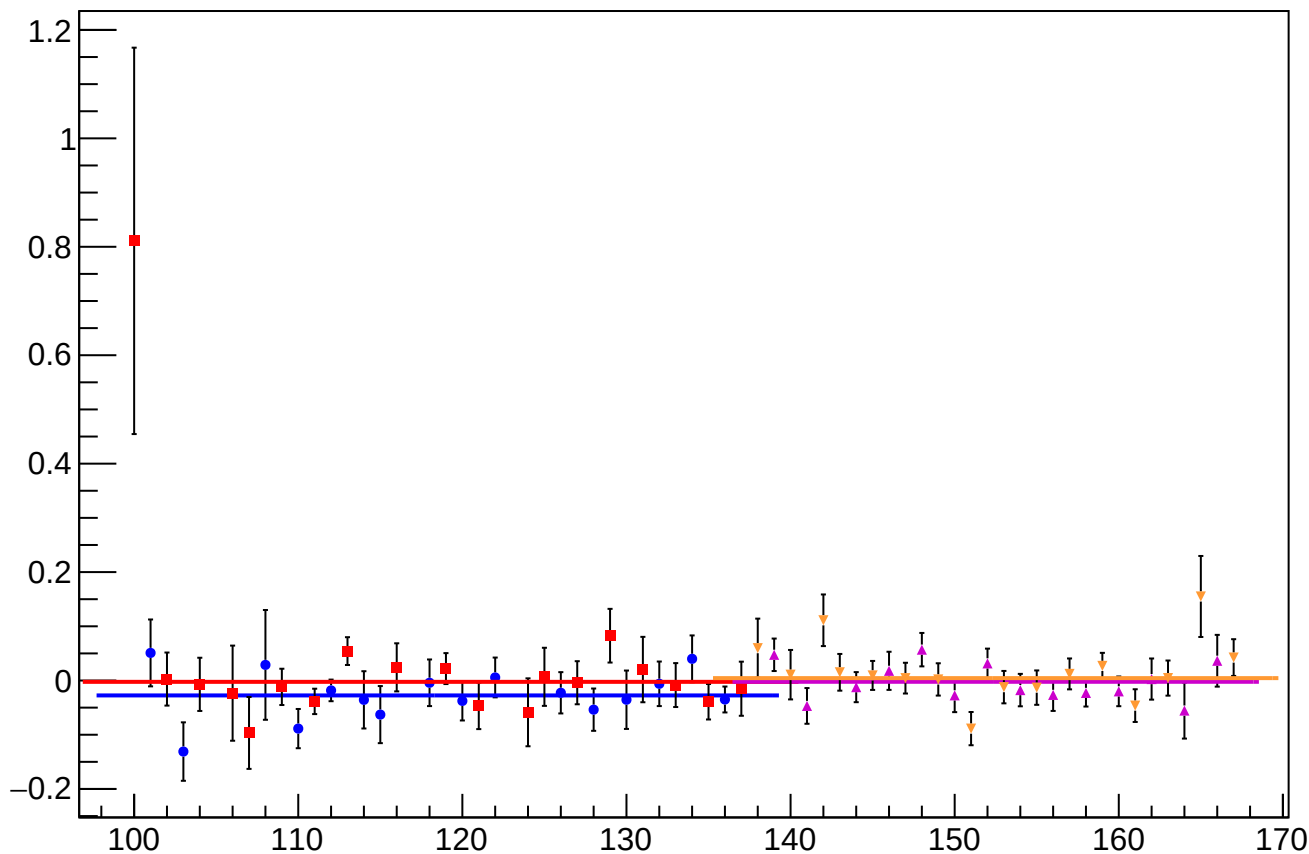
Left In: 0.000+/-0.000 χ^2/NDF : 1179637.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 3804010.1/31

All: 0.000+/-0.000 χ^2/NDF : 7233959.1/64

- sign 0.000+/-0.000 χ^2/NDF : 3426414.5/32

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: 0.004 ± 0.008 χ^2/NDF : 25.2/15

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

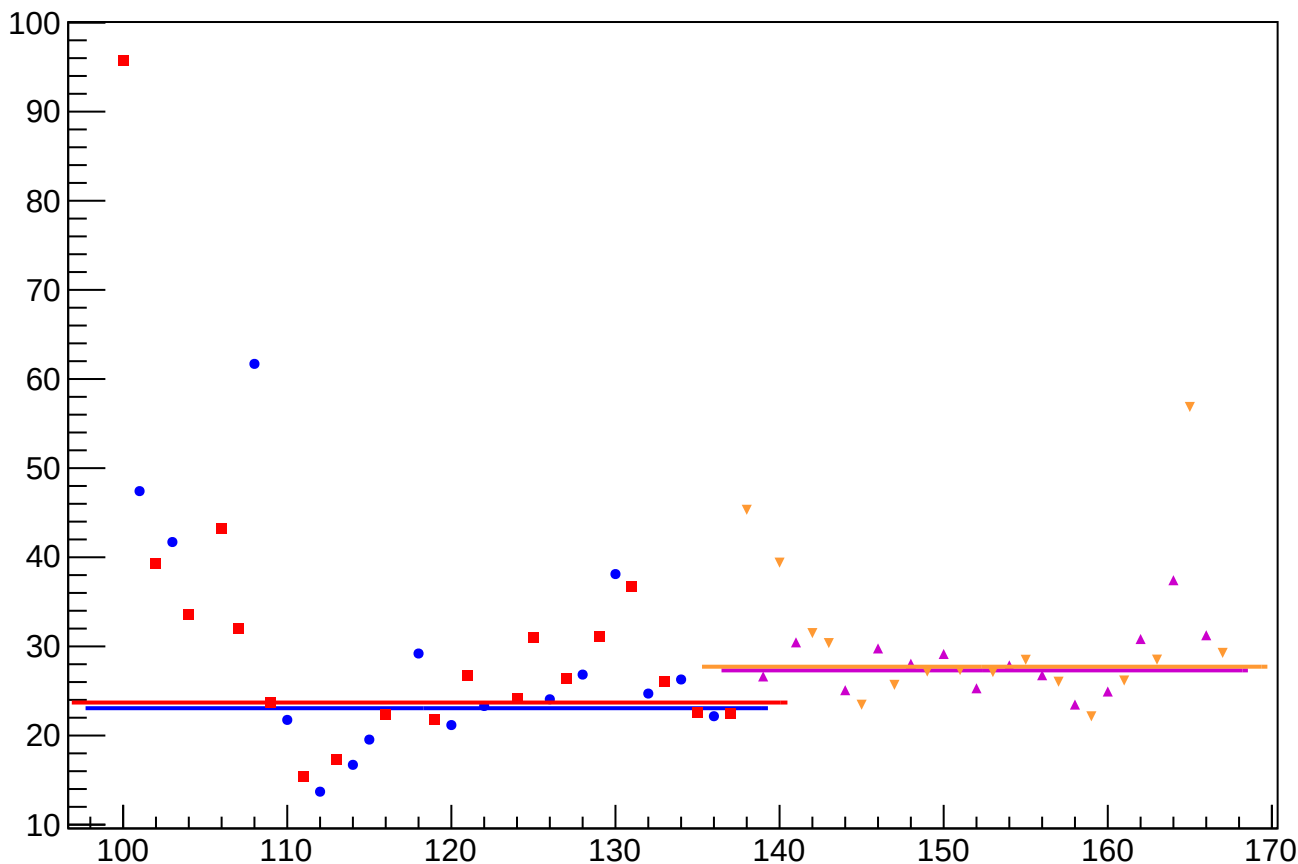
Left In: -0.002 ± 0.008 χ^2/NDF : 14.7/13

+ sign -0.009 ± 0.006 χ^2/NDF : 45.4/31

All: -0.006 ± 0.004 χ^2/NDF : 82.8/64

- sign -0.002 ± 0.006 χ^2/NDF : 36.8/32

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066 $\pm$ 0.007 χ^2 /NDF: 1564478.6/15

Left Out: 27.723 $\pm$ 0.006 χ^2 /NDF: 857673.9/15

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088494.2/18

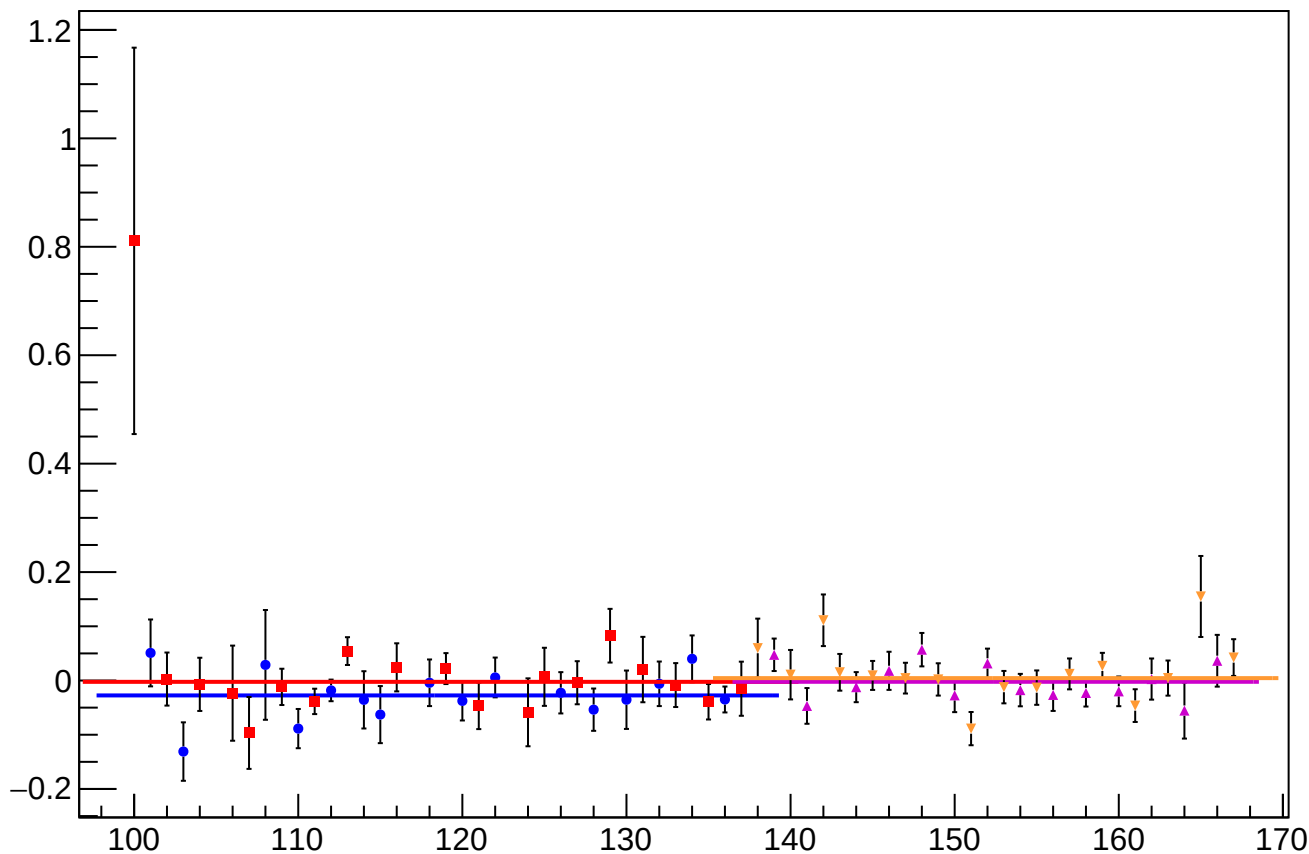
Left In: 27.310 $\pm$ 0.006 χ^2 /NDF: 231355.8/13

+ sign 25.729 $\pm$ 0.004 χ^2 /NDF: 2703344.1/31

All: 25.712 $\pm$ 0.003 χ^2 /NDF: 4189699.3/64

- sign 25.694 $\pm$ 0.004 χ^2 /NDF: 1486322.3/32

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: 0.004 ± 0.008 χ^2/NDF : 25.2/15

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

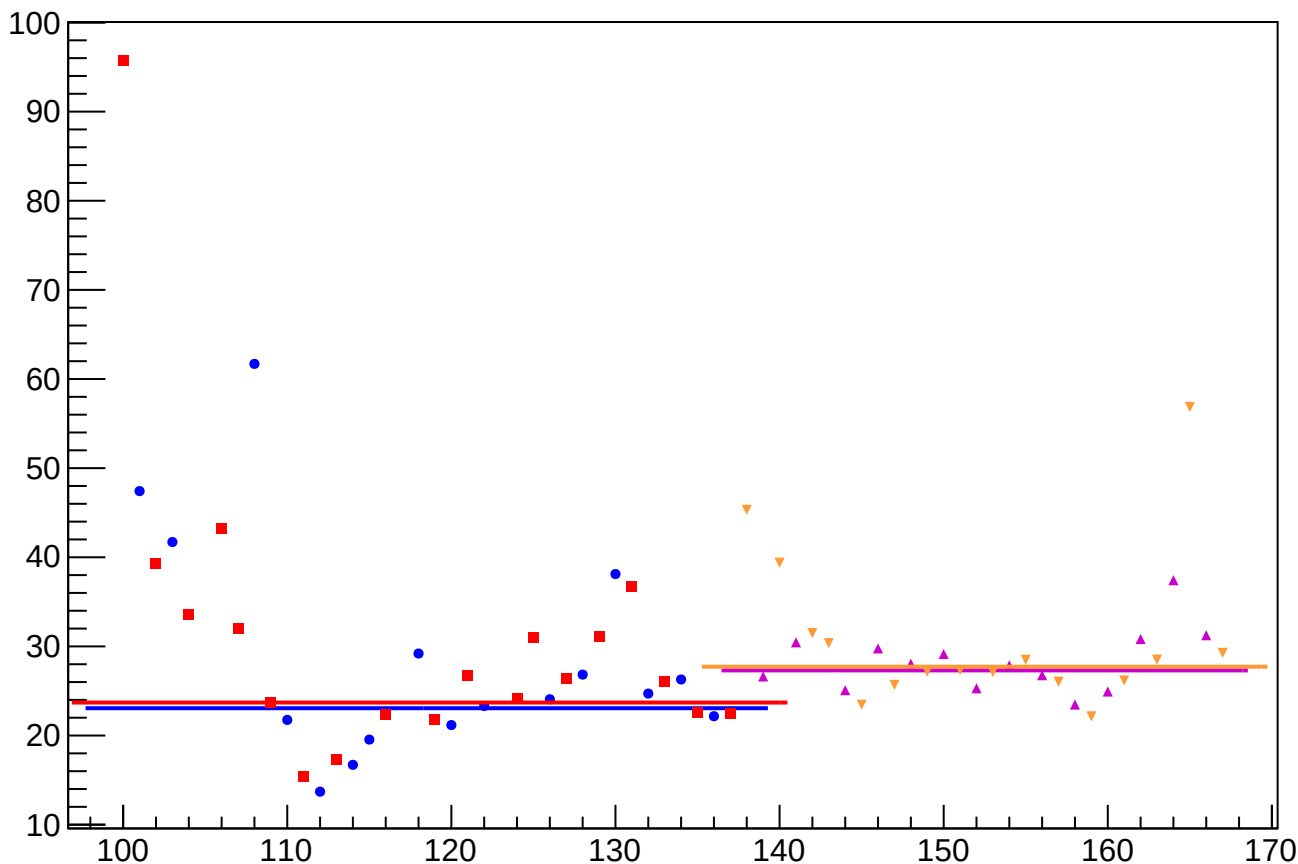
Left In: -0.002 ± 0.008 χ^2/NDF : 14.7/13

+ sign -0.009 ± 0.006 χ^2/NDF : 45.4/31

All: -0.006 ± 0.004 χ^2/NDF : 82.8/64

- sign -0.002 ± 0.006 χ^2/NDF : 36.8/32

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: 27.723+/-0.006 χ^2/NDF : 857673.9/15

Right Out: 23.702+/-0.007 χ^2/NDF : 1088494.2/18

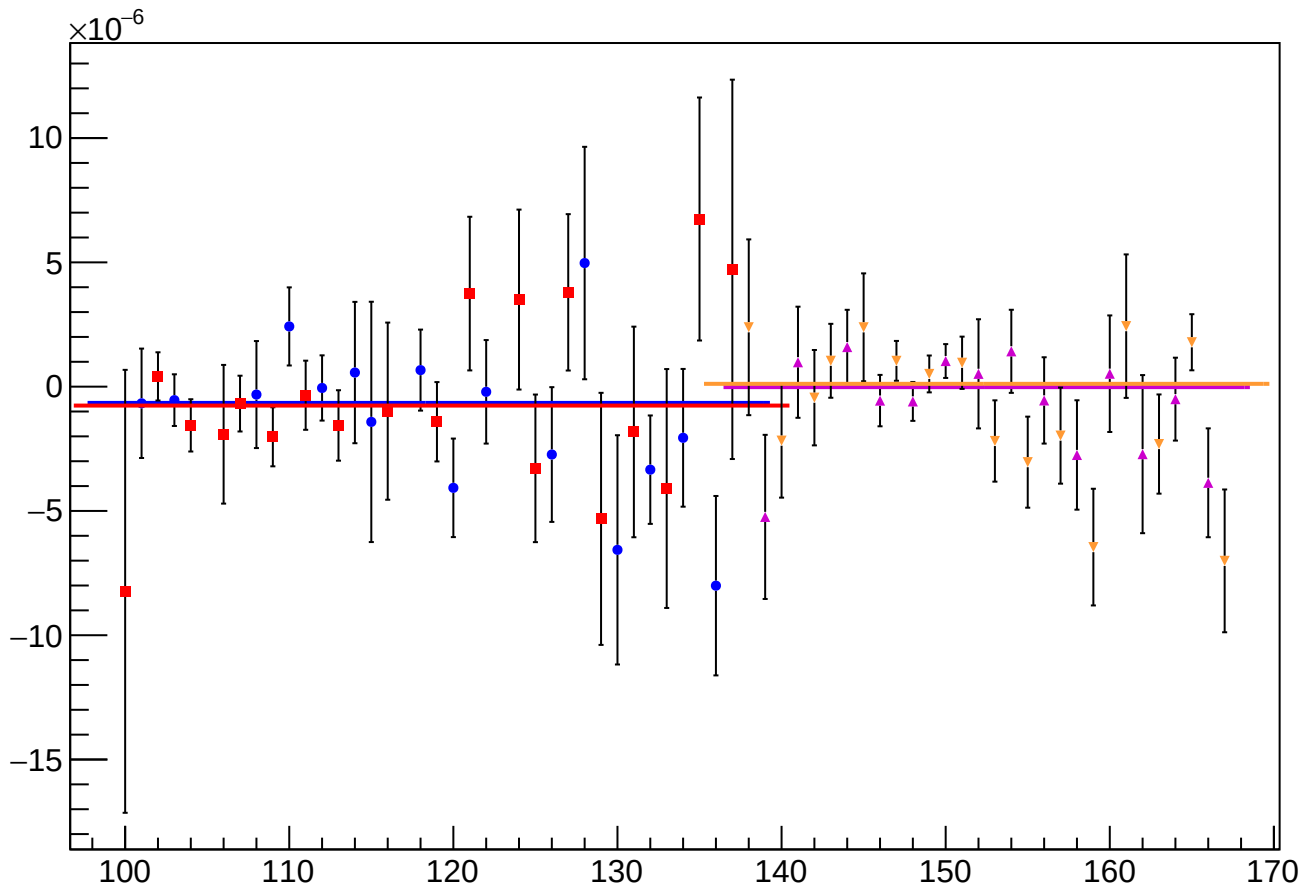
Left In: 27.310+/-0.006 χ^2/NDF : 231355.8/13

+ sign 25.729+/-0.004 χ^2/NDF : 2703344.1/31

All: 25.712+/-0.003 χ^2/NDF : 4189699.3/64

- sign 25.694+/-0.004 χ^2/NDF : 1486322.3/32

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 29.6/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.2/18

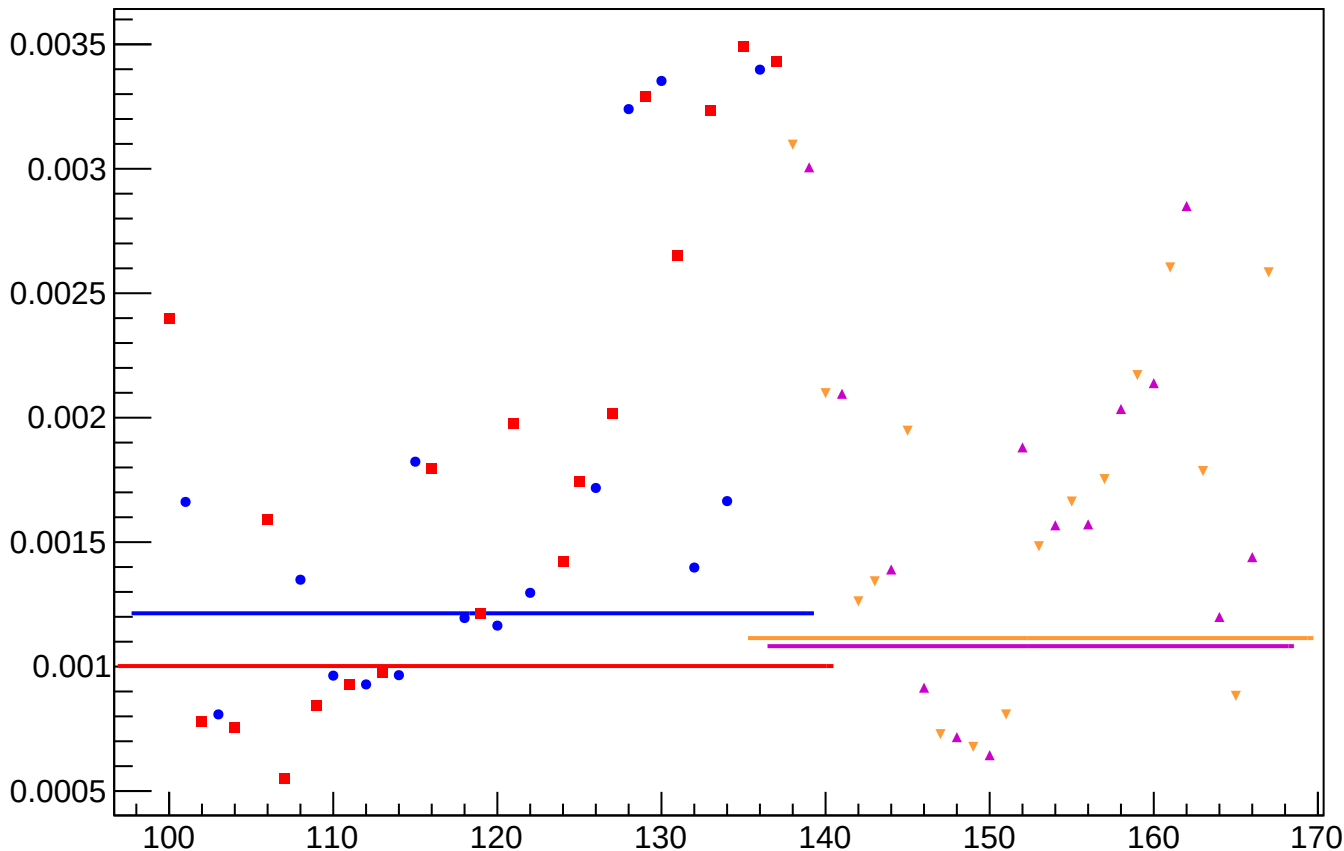
Left In: -0.000 ± 0.000 χ^2/NDF : 13.4/13

+ sign -0.000 ± 0.000 χ^2/NDF : 48.8/31

All: -0.000 ± 0.000 χ^2/NDF : 79.4/64

- sign -0.000 ± 0.000 χ^2/NDF : 30.4/32

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: 0.001+/-0.000 χ^2/NDF : 4950883.1/15

Right Out: 0.001+/-0.000 χ^2/NDF : 3277225.7/18

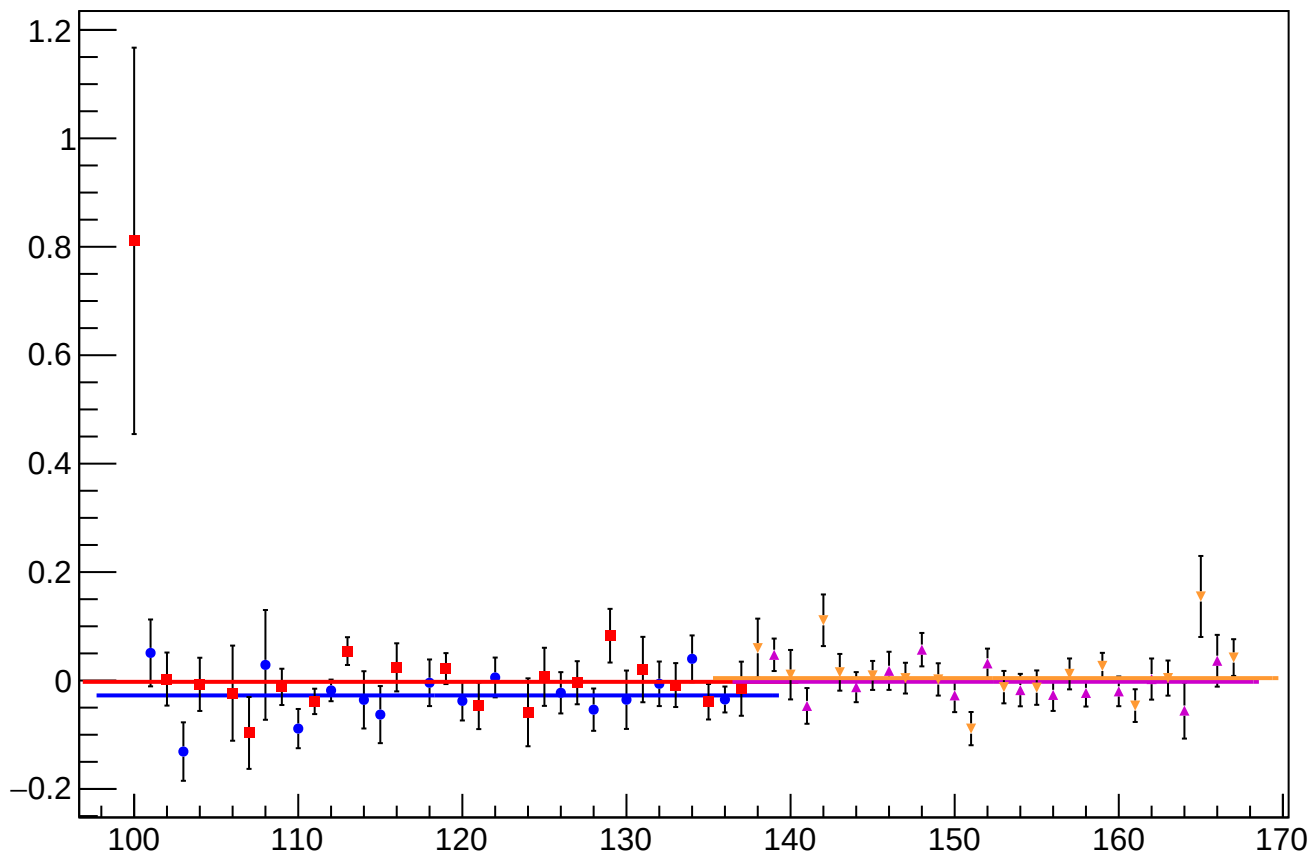
Left In: 0.001+/-0.000 χ^2/NDF : 4547740.7/13

+ sign 0.001+/-0.000 χ^2/NDF : 7270959.3/31

All: 0.001+/-0.000 χ^2/NDF : 15263499.6/64

- sign 0.001+/-0.000 χ^2/NDF : 7866182.6/32

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: 0.004 ± 0.008 χ^2/NDF : 25.2/15

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

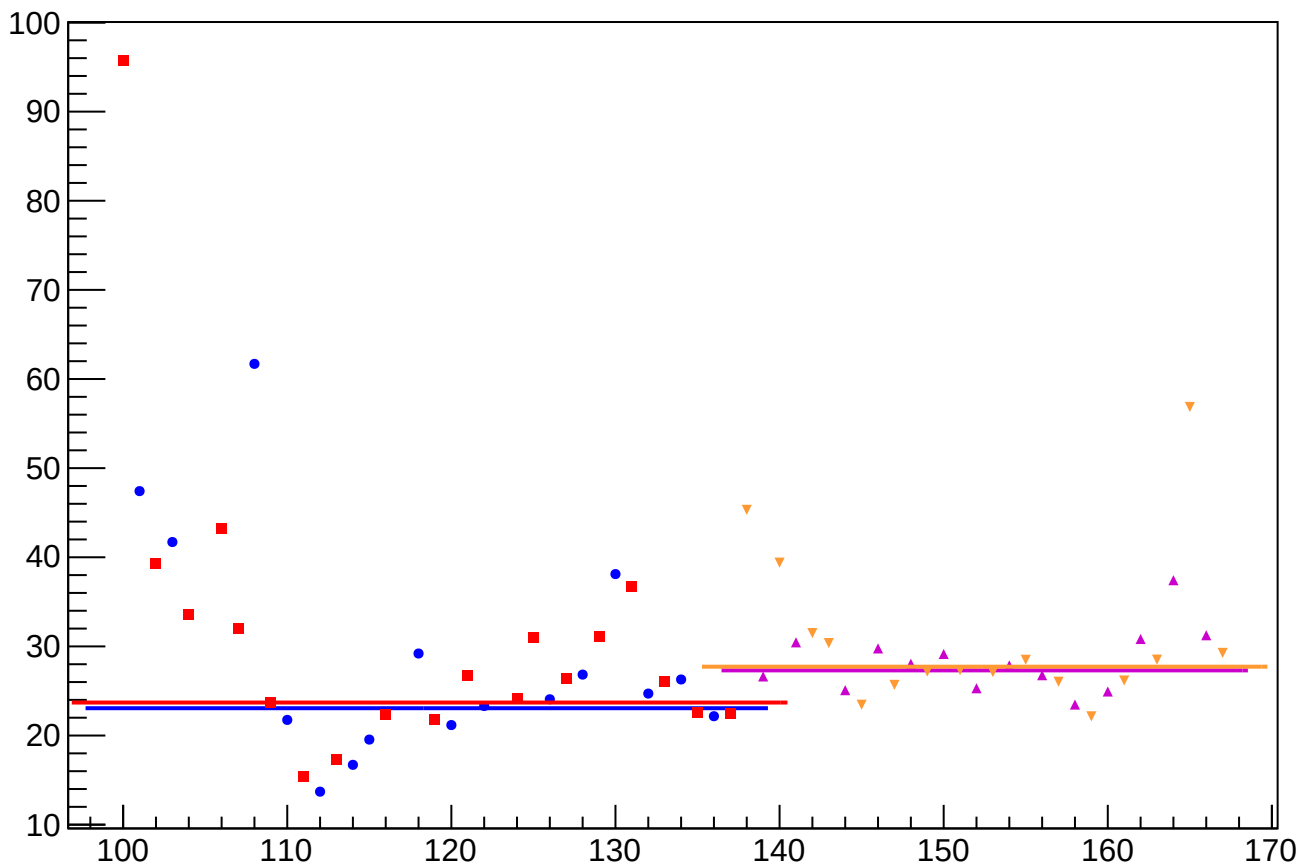
Left In: -0.002 ± 0.008 χ^2/NDF : 14.7/13

+ sign -0.009 ± 0.006 χ^2/NDF : 45.4/31

All: -0.006 ± 0.004 χ^2/NDF : 82.8/64

- sign -0.002 ± 0.006 χ^2/NDF : 36.8/32

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: 27.724 $\pm$ 0.006 χ^2 /NDF: 857627.1/15

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088531.8/18

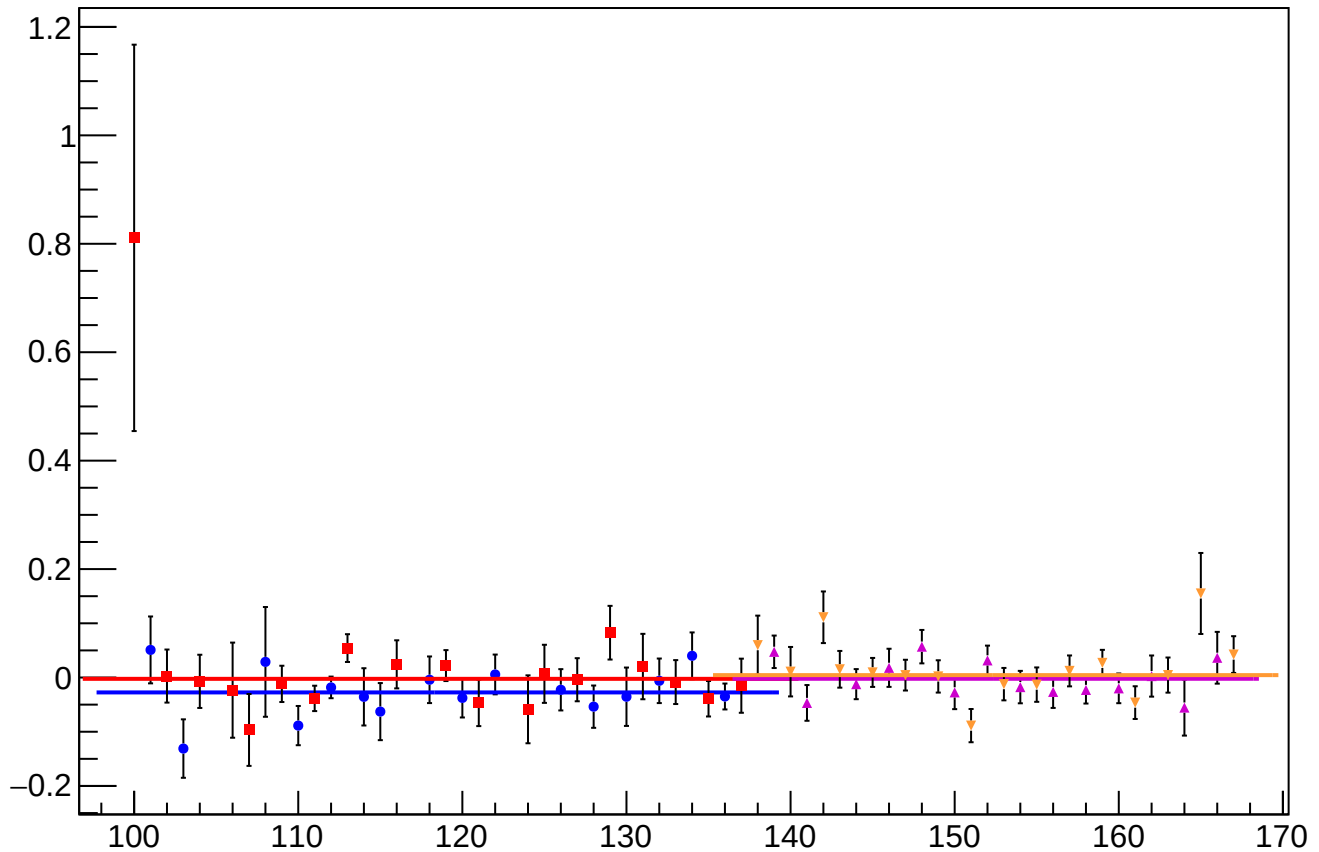
Left In: 27.311 $\pm$ 0.006 χ^2 /NDF: 231348.9/13

+ sign 25.730 $\pm$ 0.004 χ^2 /NDF: 2703376.9/31

All: 25.712 $\pm$ 0.003 χ^2 /NDF: 4189809.5/64

- sign 25.694 $\pm$ 0.004 χ^2 /NDF: 1486399.6/32

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: 0.004 ± 0.008 χ^2/NDF : 25.2/15

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

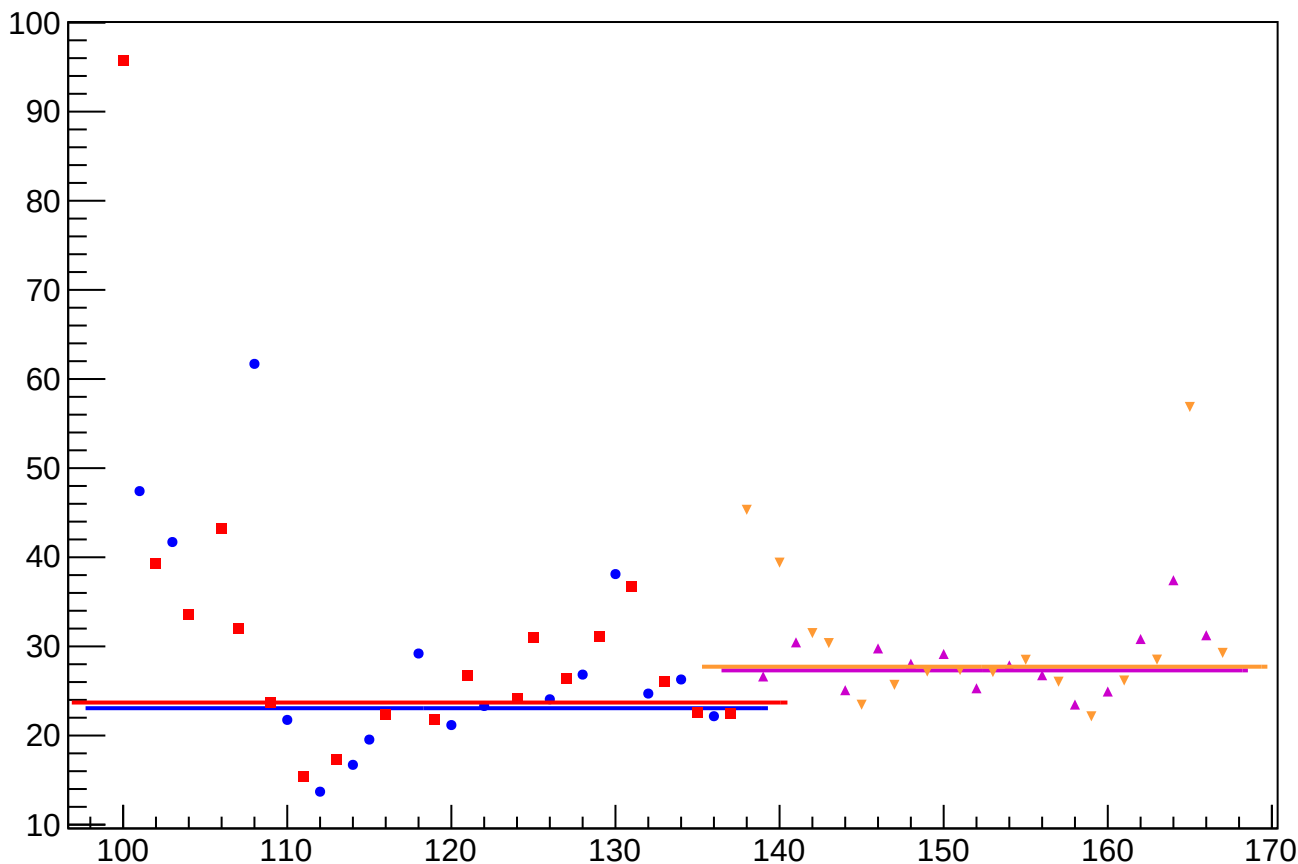
Left In: -0.002 ± 0.008 χ^2/NDF : 14.7/13

+ sign -0.009 ± 0.006 χ^2/NDF : 45.4/31

All: -0.006 ± 0.004 χ^2/NDF : 82.8/64

- sign -0.002 ± 0.006 χ^2/NDF : 36.8/32

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.065+/-0.007 χ^2/NDF : 1564493.0/15

Left Out: 27.724+/-0.006 χ^2/NDF : 857627.1/15

Right Out: 23.702+/-0.007 χ^2/NDF : 1088531.8/18

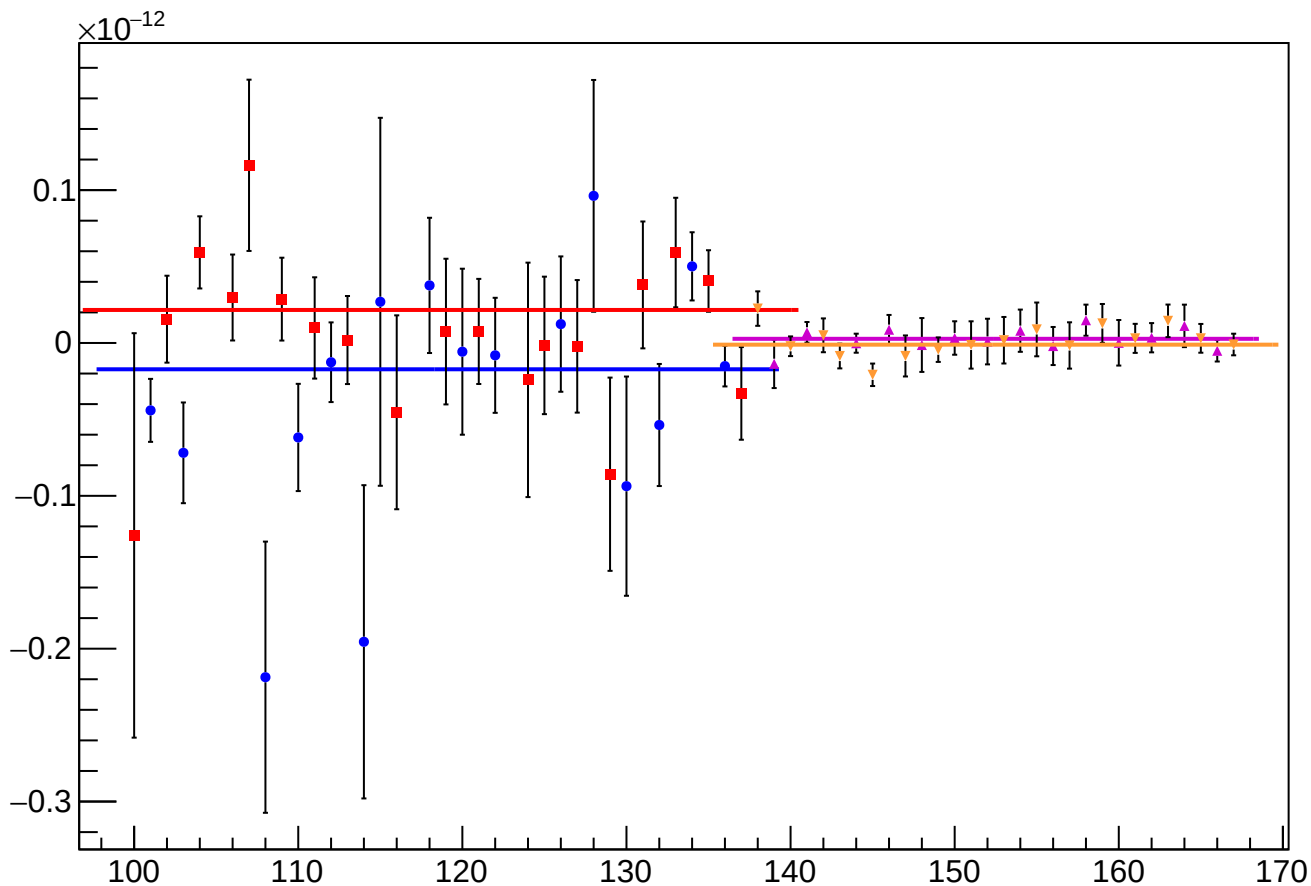
Left In: 27.311+/-0.006 χ^2/NDF : 231348.9/13

+ sign 25.730+/-0.004 χ^2/NDF : 2703376.9/31

All: 25.712+/-0.003 χ^2/NDF : 4189809.5/64

- sign 25.694+/-0.004 χ^2/NDF : 1486399.6/32

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 : 17.3/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.0/18

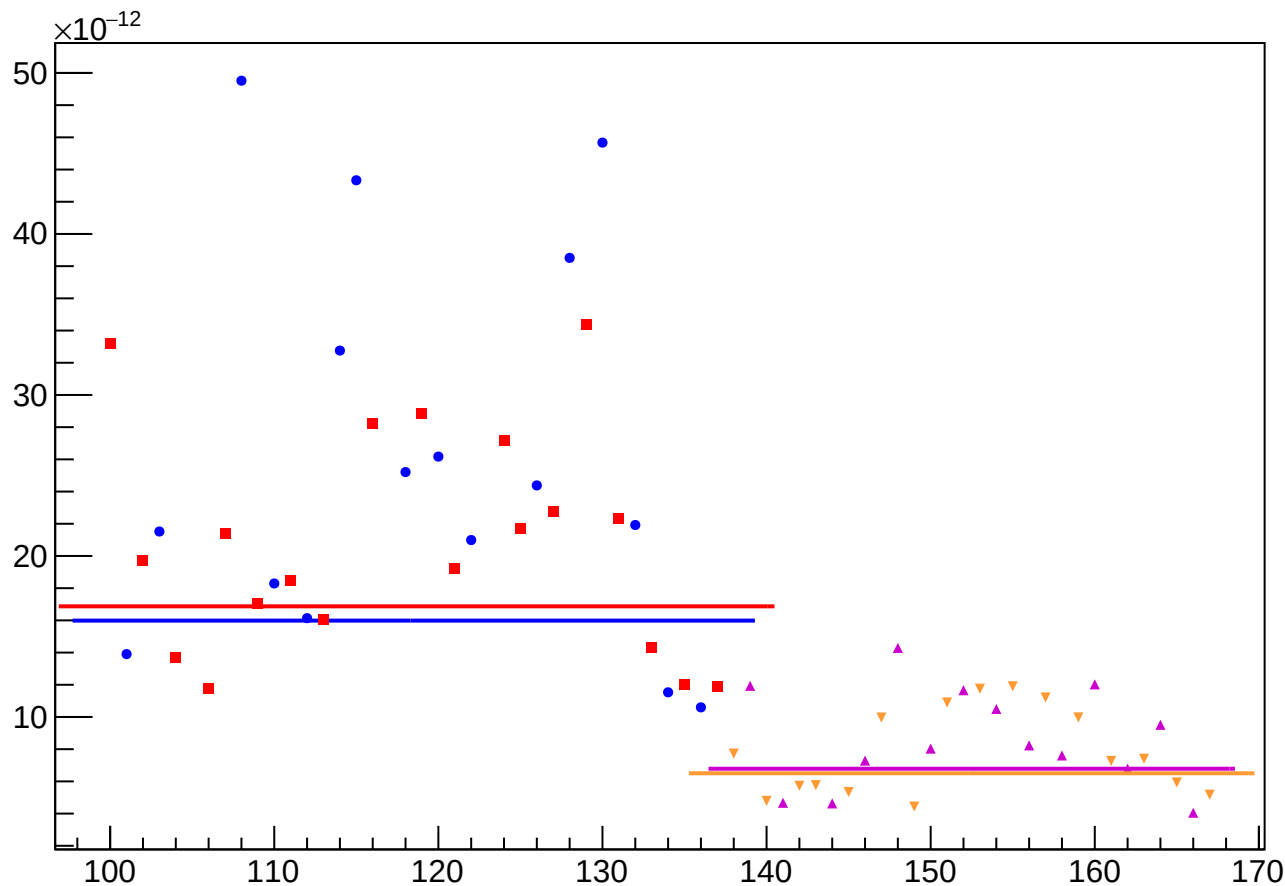
Left In: 0.000 ± 0.000 χ^2/NDF : 5.5/13

+ sign -0.000 ± 0.000 χ^2/NDF : 51.1/31

All: 0.000 ± 0.000 χ^2/NDF : 84.1/64

- sign 0.000 ± 0.000 χ^2/NDF : 28.6/32

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 :1543069.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 835680.3/18

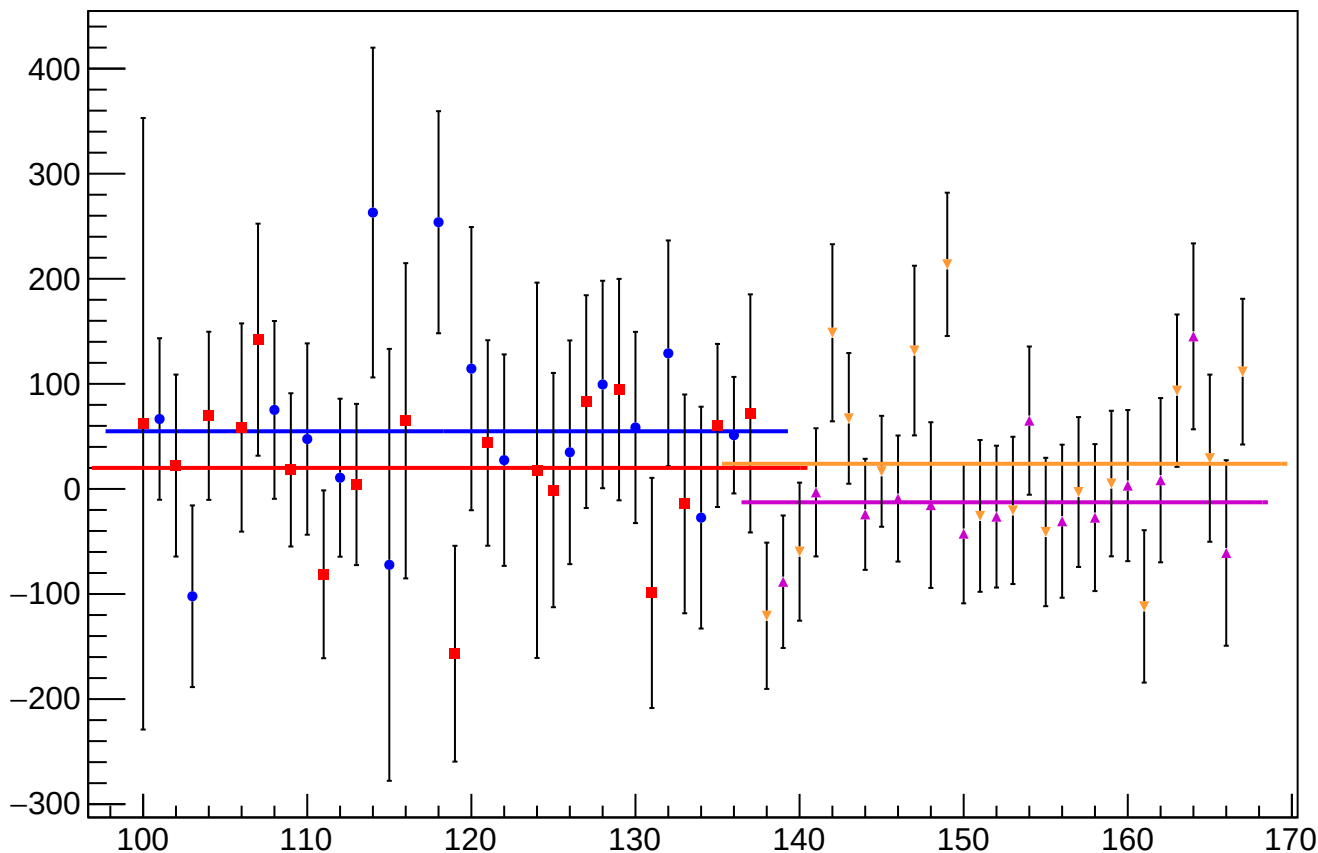
Left In: 0.000+/-0.000 χ^2/NDF :2062163.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 6022355.1/31

All: 0.000+/-0.000 χ^2/NDF : 11888096.5/64

- sign 0.000+/-0.000 χ^2/NDF : 5828865.9/32

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883 $\pm$ 23.179 χ^2 /NDF: 11.0/15

Left Out: 23.939 $\pm$ 17.376 χ^2 /NDF: 26.1/15

Right Out: 20.020 $\pm$ 22.571 χ^2 /NDF: 9.2/18

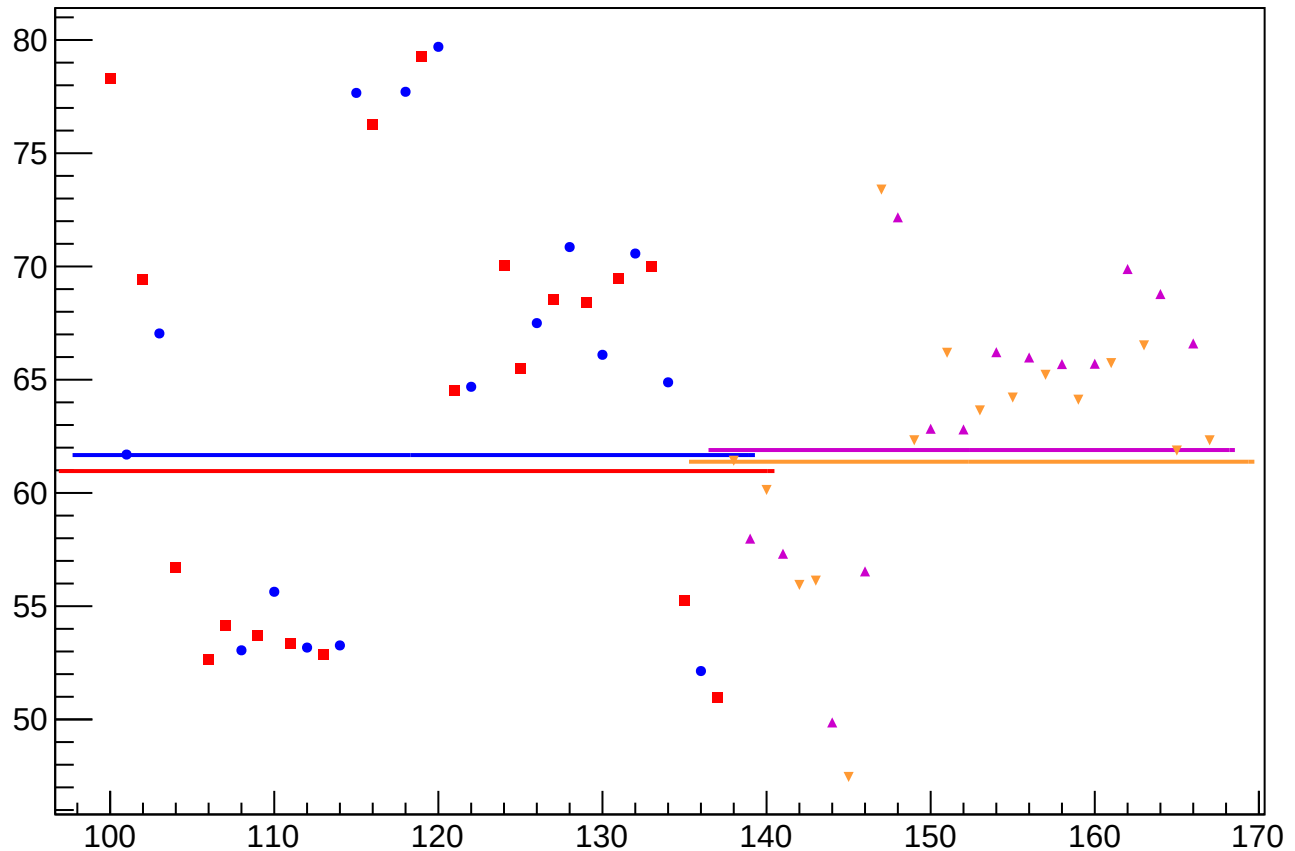
Left In: -12.718 $\pm$ 18.347 χ^2 /NDF: 6.7/13

+ sign 35.072 $\pm$ 13.903 χ^2 /NDF: 38.3/31

All: 18.102 $\pm$ 9.947 χ^2 /NDF: 58.5/64

- sign 0.307 $\pm$ 14.237 χ^2 /NDF: 17.2/32

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2 /NDF: 267108.1/15

Left Out: 61.379 $\pm$ 0.012 χ^2 /NDF: 247891.6/15

Right Out: 60.967 $\pm$ 0.016 χ^2 /NDF: 284183.4/18

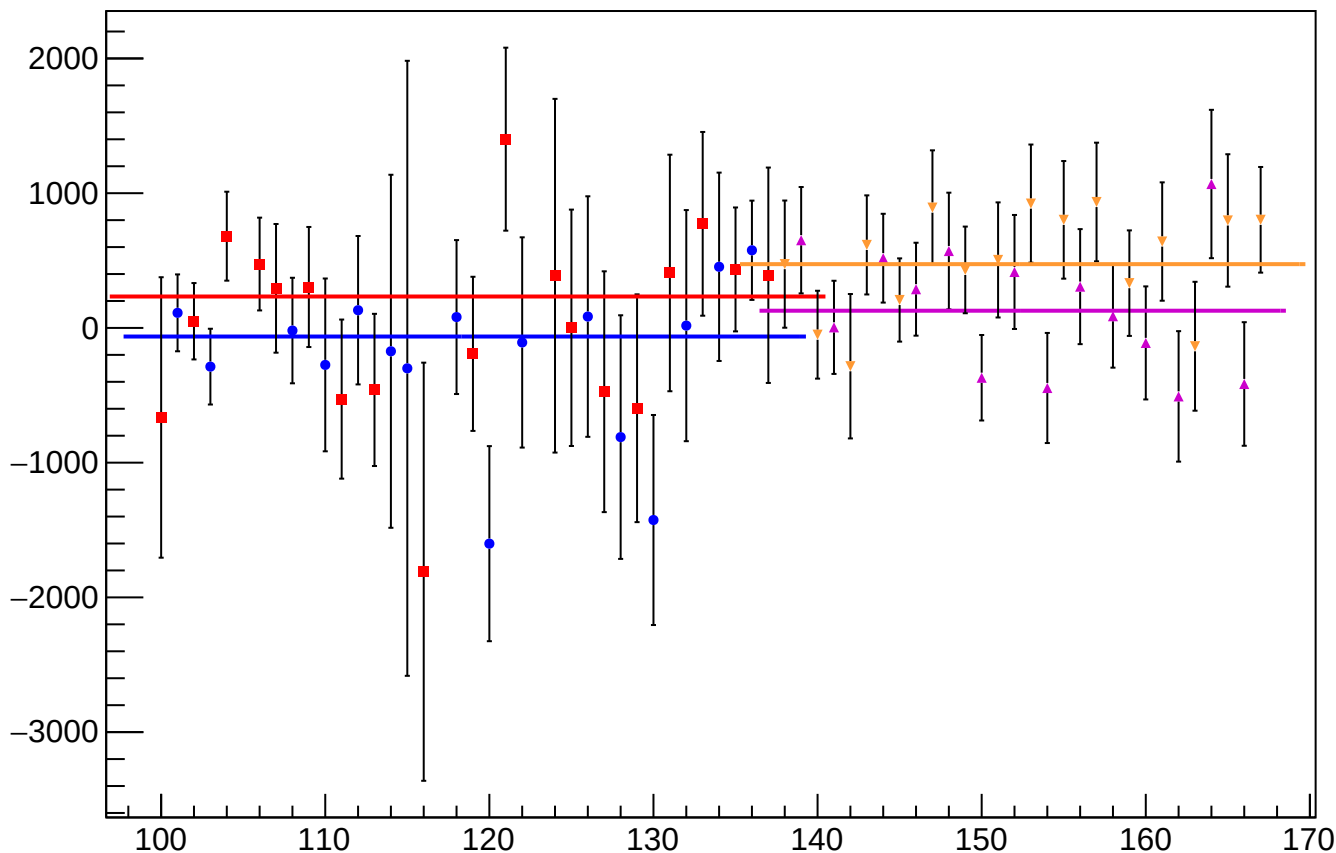
Left In: 61.895 $\pm$ 0.013 χ^2 /NDF: 237292.2/13

+ sign 61.485 $\pm$ 0.010 χ^2 /NDF: 515205.4/31

All: 61.505 $\pm$ 0.007 χ^2 /NDF: 1038727.8/64

- sign 61.526 $\pm$ 0.010 χ^2 /NDF: 523514.0/32

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834 ± 129.674 χ^2/NDF : 13.2/15

Left Out: 473.361 ± 100.883 χ^2/NDF : 12.2/15

Right Out: 233.206 ± 122.791 χ^2/NDF : 14.5/18

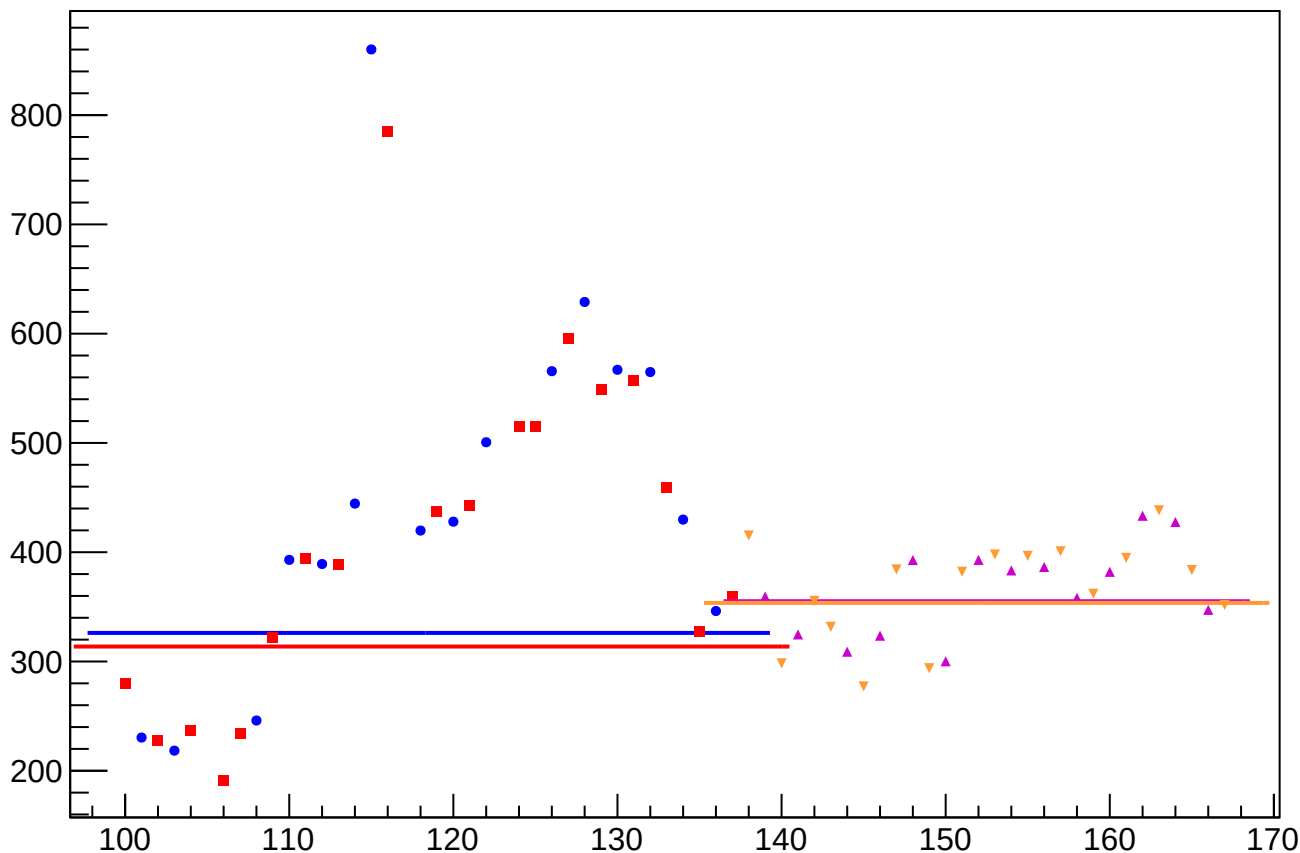
Left In: 127.751 ± 105.646 χ^2/NDF : 16.0/13

+ sign 270.816 ± 79.625 χ^2/NDF : 36.1/31

All: 221.995 ± 56.465 χ^2/NDF : 67.8/64

- sign 172.608 ± 80.084 χ^2/NDF : 30.9/32

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: 353.613 $\pm$ 0.071 χ^2/NDF : 461401.1/15

Right Out: 313.672 $\pm$ 0.087 χ^2/NDF : 1787347.3/18

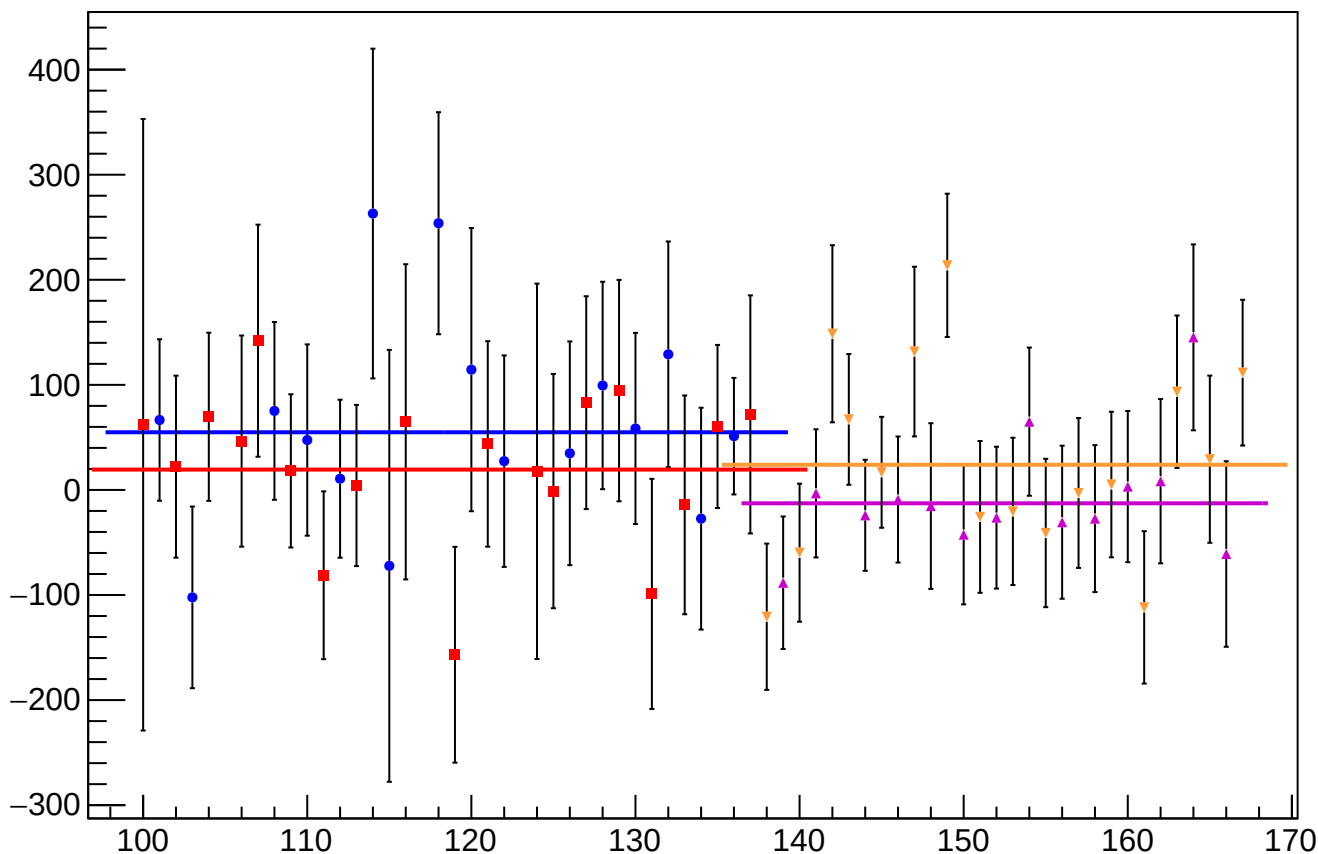
Left In: 355.157 $\pm$ 0.075 χ^2/NDF : 279031.9/13

+ sign 343.257 $\pm$ 0.056 χ^2/NDF : 2251288.6/31

All: 340.400 $\pm$ 0.040 χ^2/NDF : 4454025.9/64

- sign 337.511 $\pm$ 0.057 χ^2/NDF : 2197558.9/32

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877 ± 23.179 χ^2/NDF : 11.0/15

Left Out: 23.938 ± 17.376 χ^2/NDF : 26.1/15

Right Out: 19.352 ± 22.588 χ^2/NDF : 9.2/18

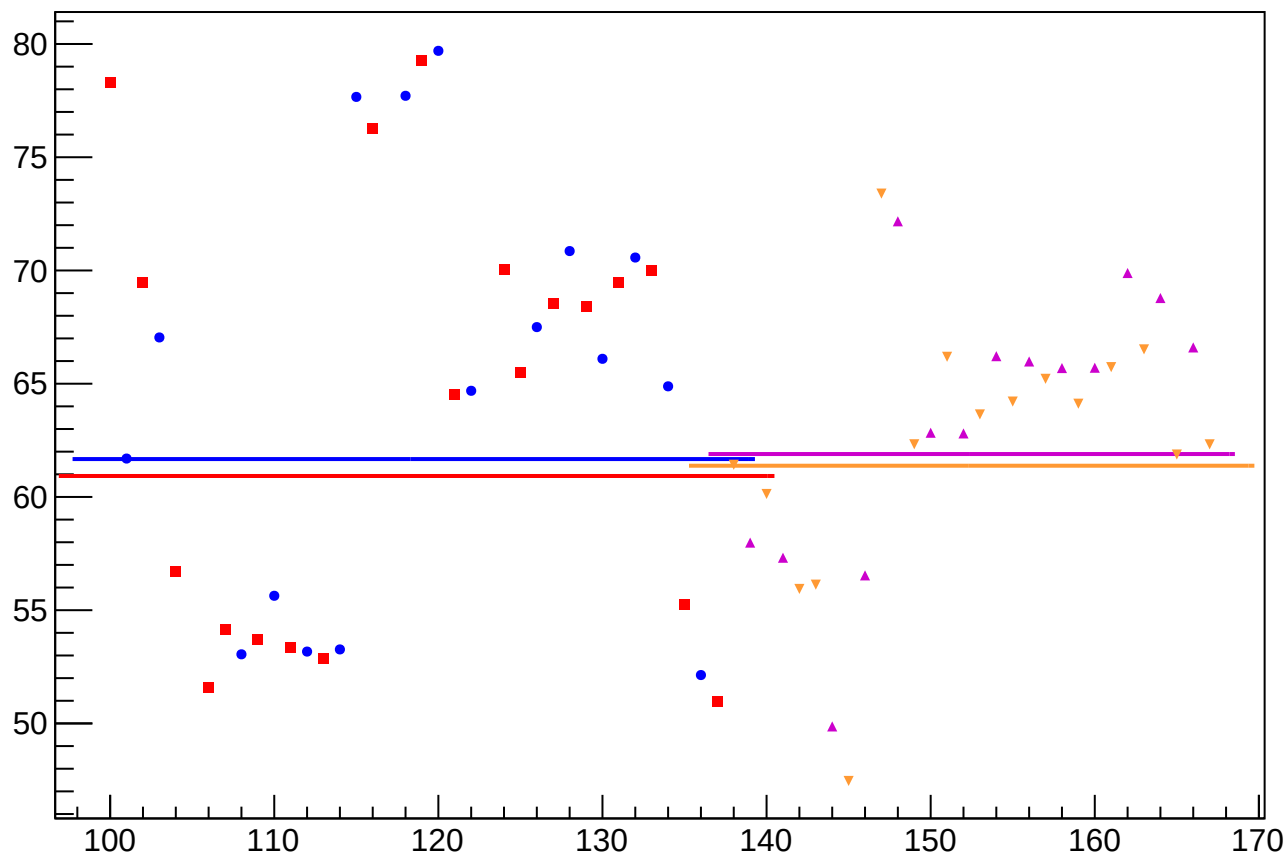
Left In: -12.718 ± 18.347 χ^2/NDF : 6.7/13

+ sign 35.069 ± 13.903 χ^2/NDF : 38.3/31

All: 17.970 ± 9.948 χ^2/NDF : 58.4/64

- sign 0.030 ± 14.241 χ^2/NDF : 17.0/32

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2 /NDF: 267108.3/15

Left Out: 61.379 $\pm$ 0.012 χ^2 /NDF: 247891.6/15

Right Out: 60.926 $\pm$ 0.016 χ^2 /NDF: 287579.6/18

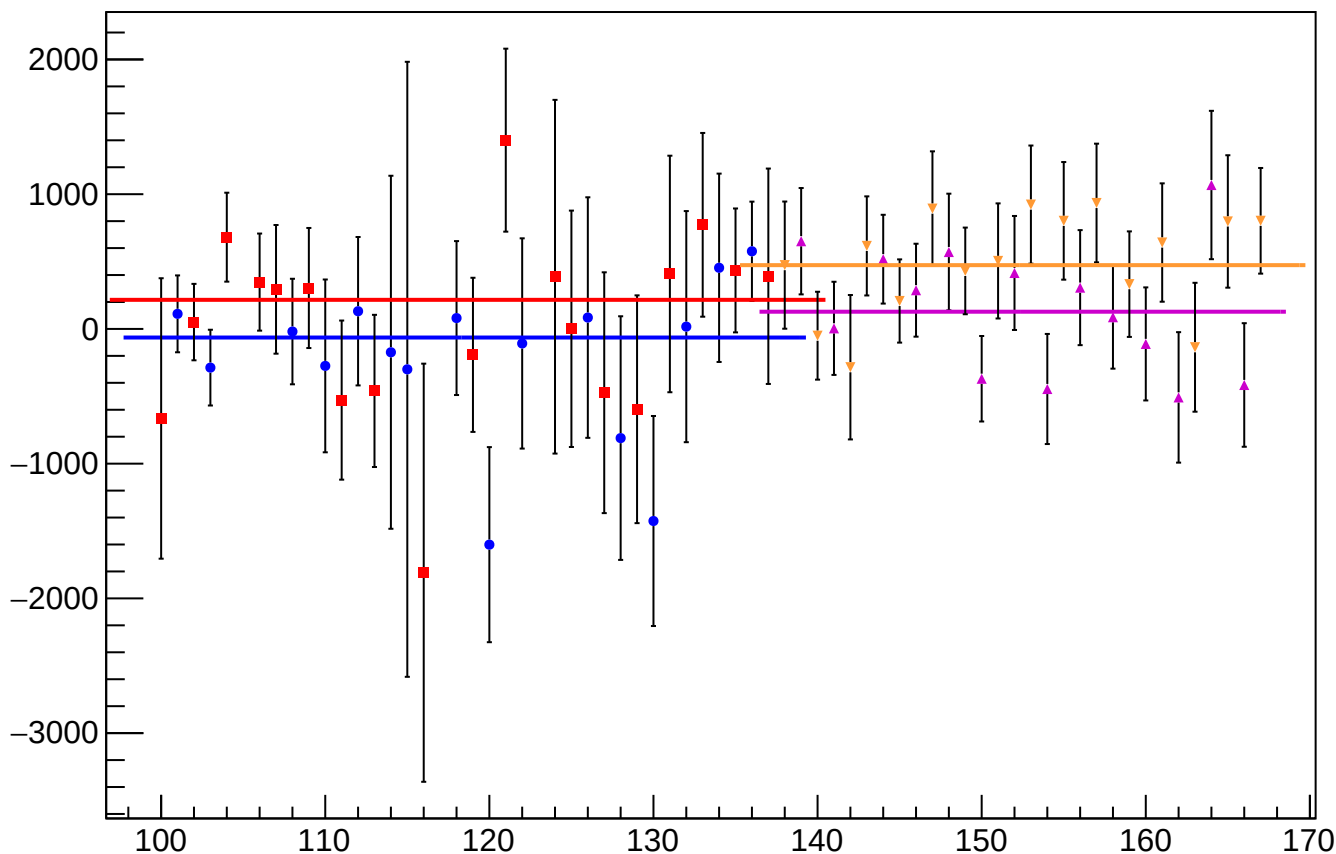
Left In: 61.895 $\pm$ 0.013 χ^2 /NDF: 237292.2/13

+ sign 61.485 $\pm$ 0.010 χ^2 /NDF: 515205.6/31

All: 61.497 $\pm$ 0.007 χ^2 /NDF: 1042300.2/64

- sign 61.510 $\pm$ 0.010 χ^2 /NDF: 527091.5/32

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: -63.820 ± 129.675 χ^2/NDF : 13.2/15

Left Out: 473.360 ± 100.883 χ^2/NDF : 12.2/15

Right Out: 215.911 ± 123.491 χ^2/NDF : 14.1/18

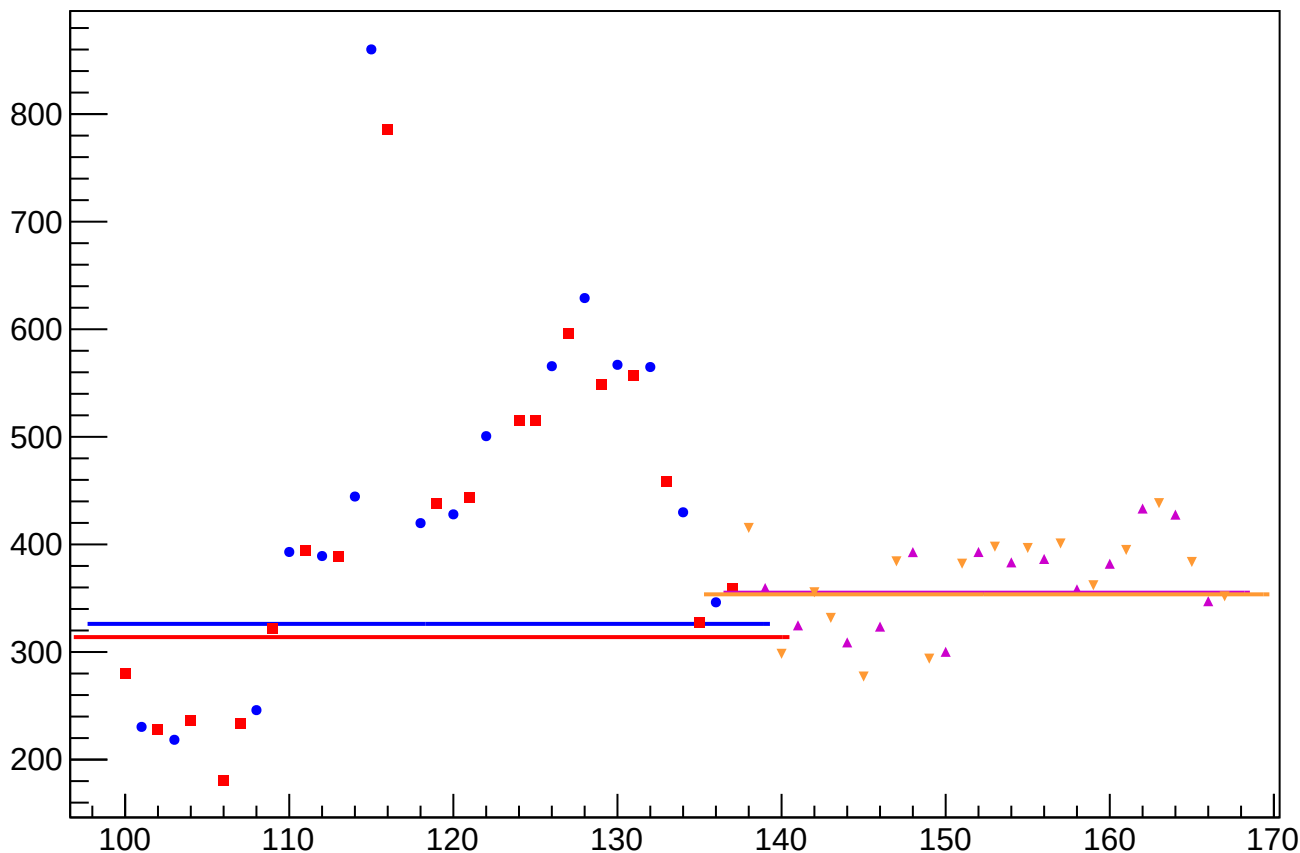
Left In: 127.750 ± 105.646 χ^2/NDF : 16.0/13

+ sign 270.822 ± 79.625 χ^2/NDF : 36.1/31

All: 218.346 ± 56.533 χ^2/NDF : 67.4/64

- sign 165.006 ± 80.278 χ^2/NDF : 30.4/32

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150 $\pm$ 0.092 χ^2/NDF : 1733934.7/15

Left Out: 353.613 $\pm$ 0.071 χ^2/NDF : 461400.3/15

Right Out: 313.861 $\pm$ 0.087 χ^2/NDF : 1805779.4/18

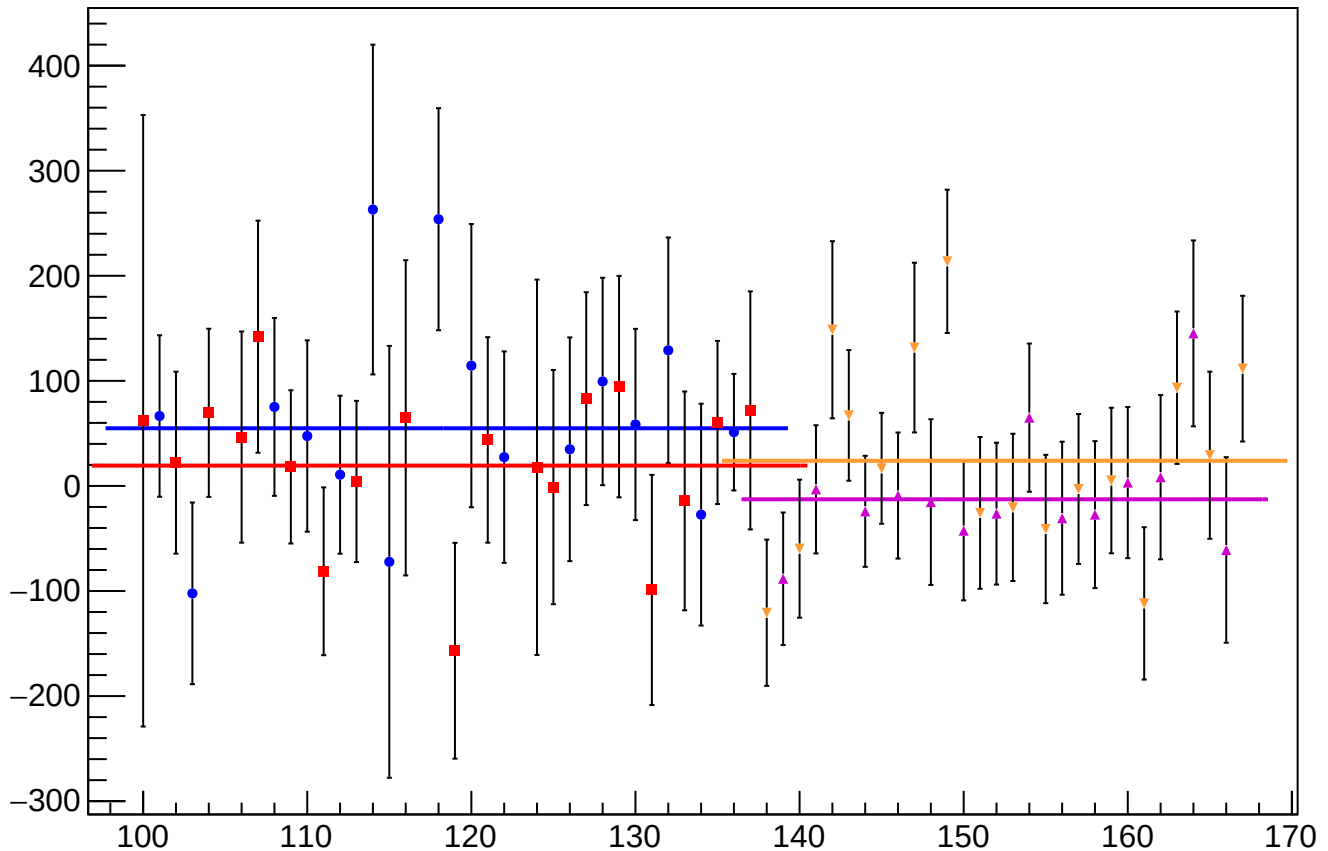
Left In: 355.157 $\pm$ 0.075 χ^2/NDF : 279031.9/13

+ sign 343.258 $\pm$ 0.056 χ^2/NDF : 2251214.9/31

All: 340.505 $\pm$ 0.040 χ^2/NDF : 4469989.9/64

- sign 337.706 $\pm$ 0.057 χ^2/NDF : 2213952.0/32

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: 23.938 $\pm$ 17.376 χ^2 /NDF: 26.1/15

Right Out: 19.352 $\pm$ 22.588 χ^2 /NDF: 9.2/18

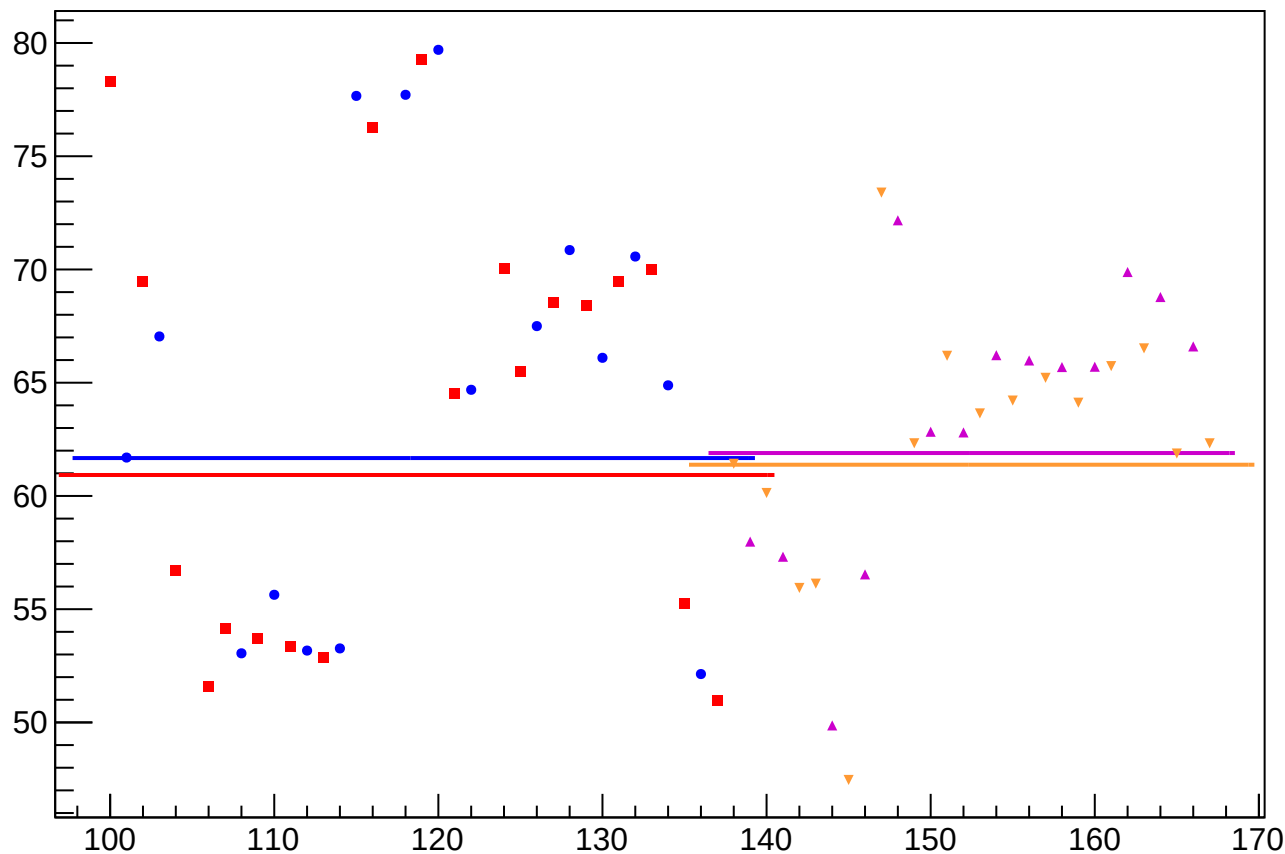
Left In: -12.718 $\pm$ 18.347 χ^2 /NDF: 6.7/13

+ sign 35.069 $\pm$ 13.903 χ^2 /NDF: 38.3/31

All: 17.970 $\pm$ 9.948 χ^2 /NDF: 58.4/64

- sign 0.030 $\pm$ 14.241 χ^2 /NDF: 17.0/32

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: 61.379 $\pm$ 0.012 χ^2 /NDF: 247891.6/15

Right Out: 60.926 $\pm$ 0.016 χ^2 /NDF: 287579.6/18

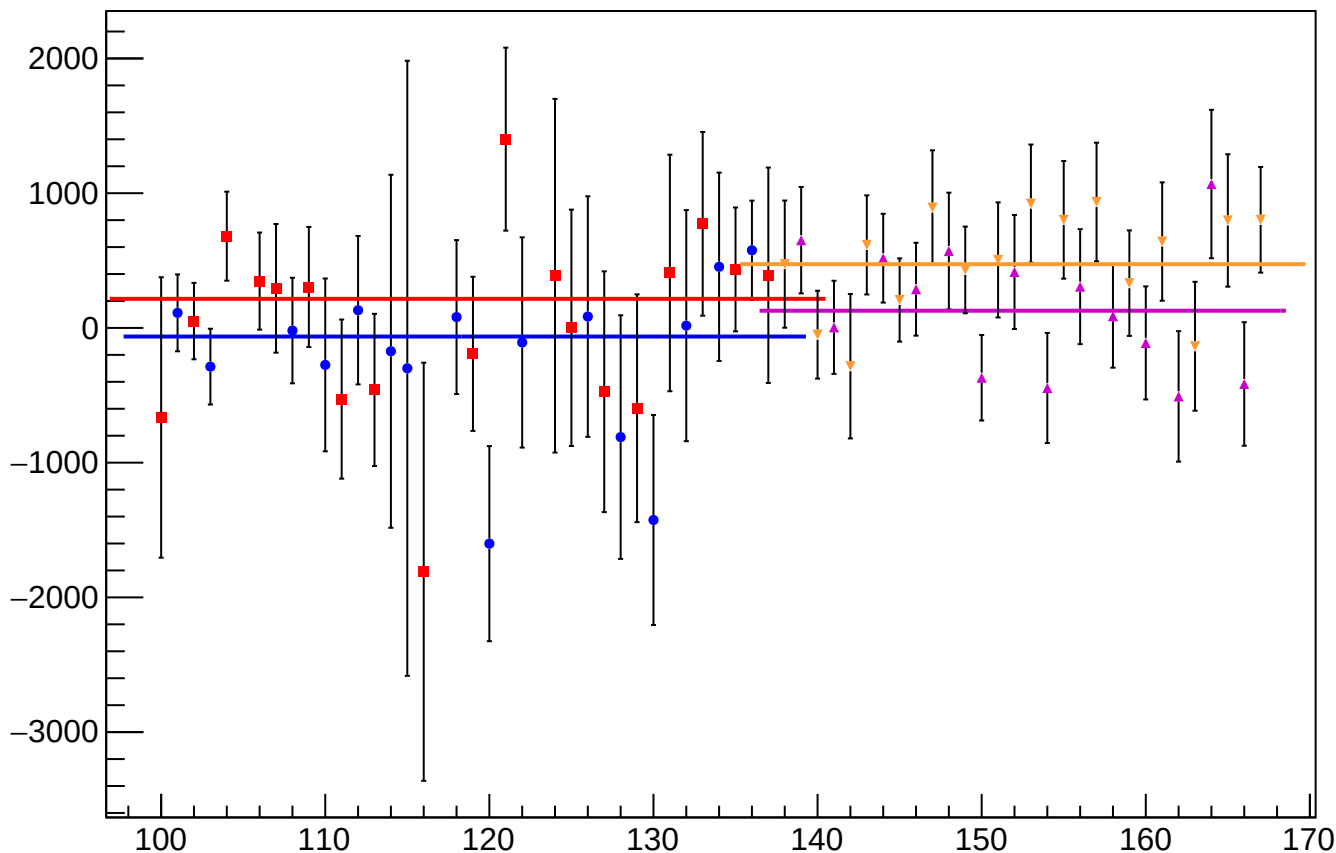
Left In: 61.895 $\pm$ 0.013 χ^2 /NDF: 237292.2/13

+ sign 61.485 $\pm$ 0.010 χ^2 /NDF: 515205.6/31

All: 61.497 $\pm$ 0.007 χ^2 /NDF: 1042300.2/64

- sign 61.510 $\pm$ 0.010 χ^2 /NDF: 527091.5/32

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: 473.360 ± 100.883 χ^2/NDF : 12.2/15

Right Out: 215.911 ± 123.491 χ^2/NDF : 14.1/18

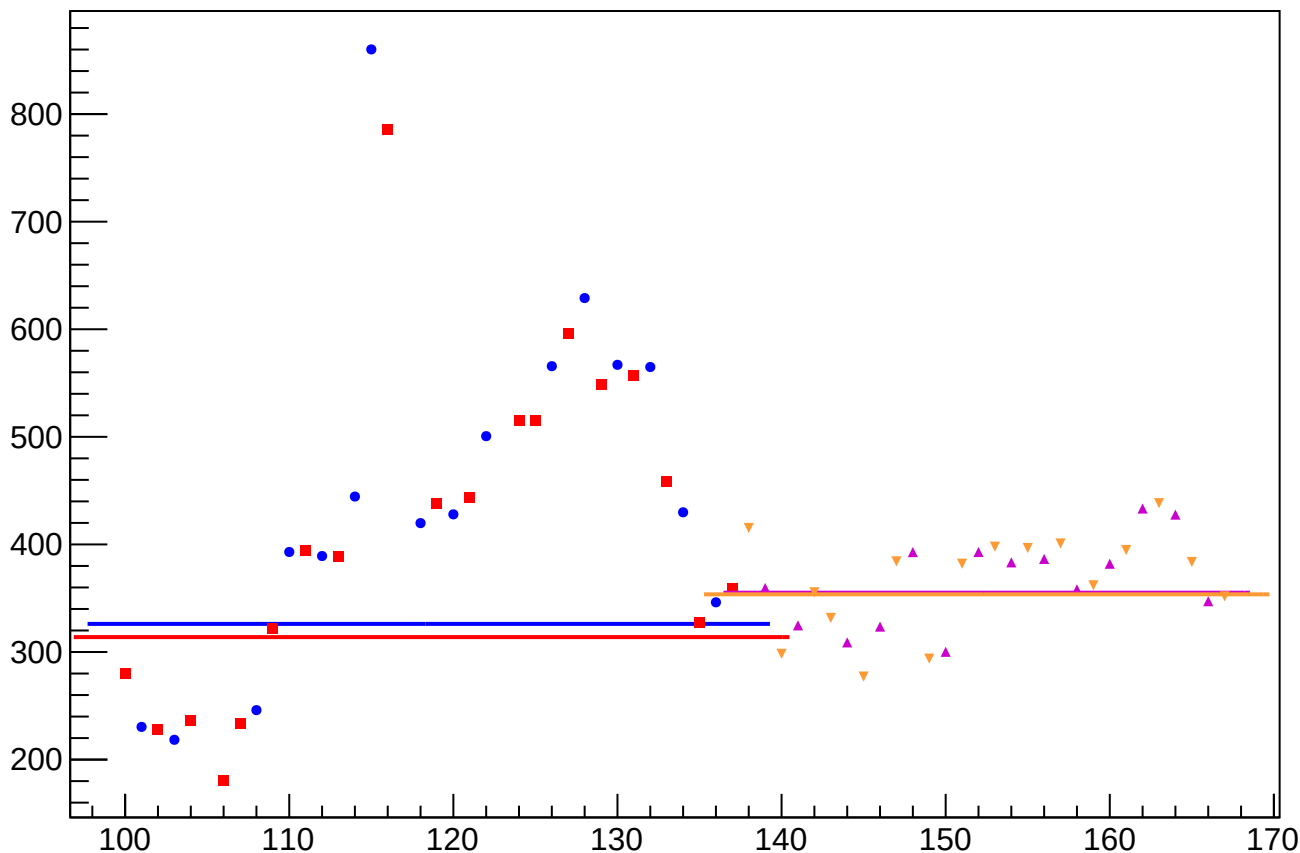
Left In: 127.750 ± 105.646 χ^2/NDF : 16.0/13

+ sign 270.822 ± 79.625 χ^2/NDF : 36.1/31

All: 218.346 ± 56.533 χ^2/NDF : 67.4/64

- sign 165.006 ± 80.278 χ^2/NDF : 30.4/32

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 326.150 $\pm$ 0.092 χ^2/NDF : 1733934.7/15

Left Out: 353.613 $\pm$ 0.071 χ^2/NDF : 461400.3/15

Right Out: 313.861 $\pm$ 0.087 χ^2/NDF : 1805779.4/18

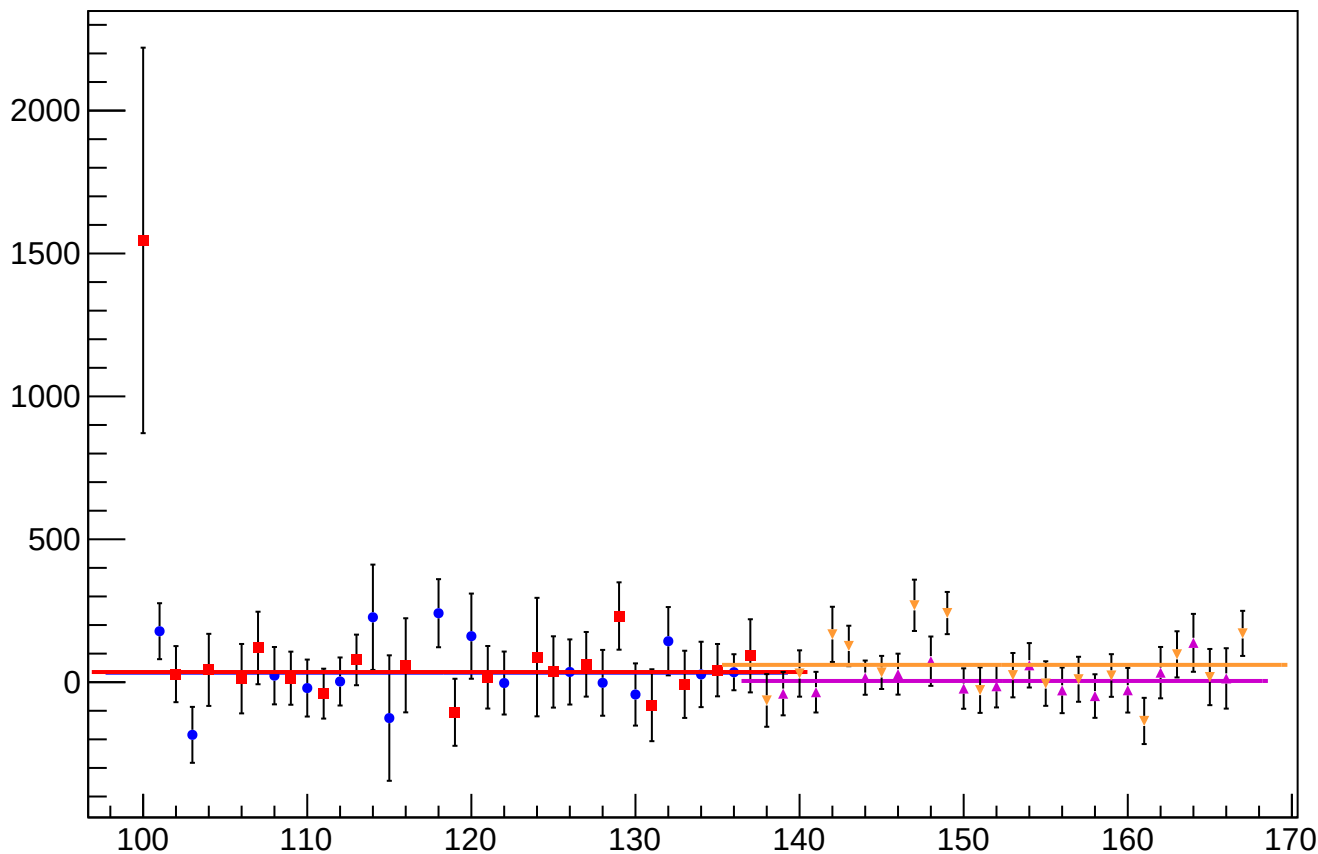
Left In: 355.157 $\pm$ 0.075 χ^2/NDF : 279031.9/13

+ sign 343.258 $\pm$ 0.056 χ^2/NDF : 2251214.9/31

All: 340.505 $\pm$ 0.040 χ^2/NDF : 4469989.9/64

- sign 337.706 $\pm$ 0.057 χ^2/NDF : 2213952.0/32

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399 ± 26.415 χ^2/NDF : 14.5/15

Left Out: 60.626 ± 19.681 χ^2/NDF : 26.7/15

Right Out: 35.576 ± 26.536 χ^2/NDF : 12.1/18

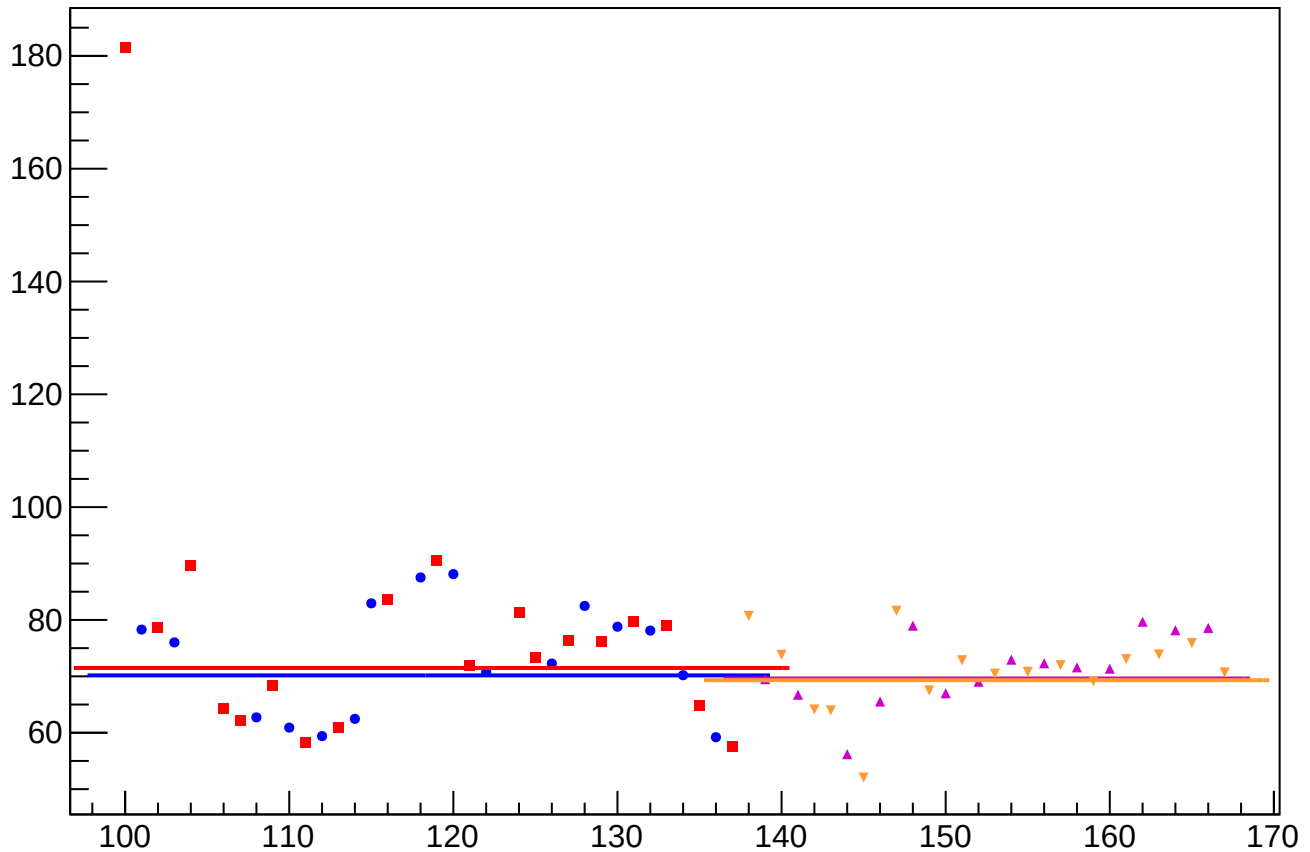
Left In: 4.304 ± 20.716 χ^2/NDF : 4.8/13

+ sign 50.907 ± 15.782 χ^2/NDF : 42.0/31

All: 34.119 ± 11.348 χ^2/NDF : 62.1/64

- sign 16.146 ± 16.329 χ^2/NDF : 17.8/32

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167 $\pm$ 0.019 χ^2 /NDF: 269249.9/15

Left Out: 69.321 $\pm$ 0.014 χ^2 /NDF: 298271.1/15

Right Out: 71.483 $\pm$ 0.019 χ^2 /NDF: 325715.0/18

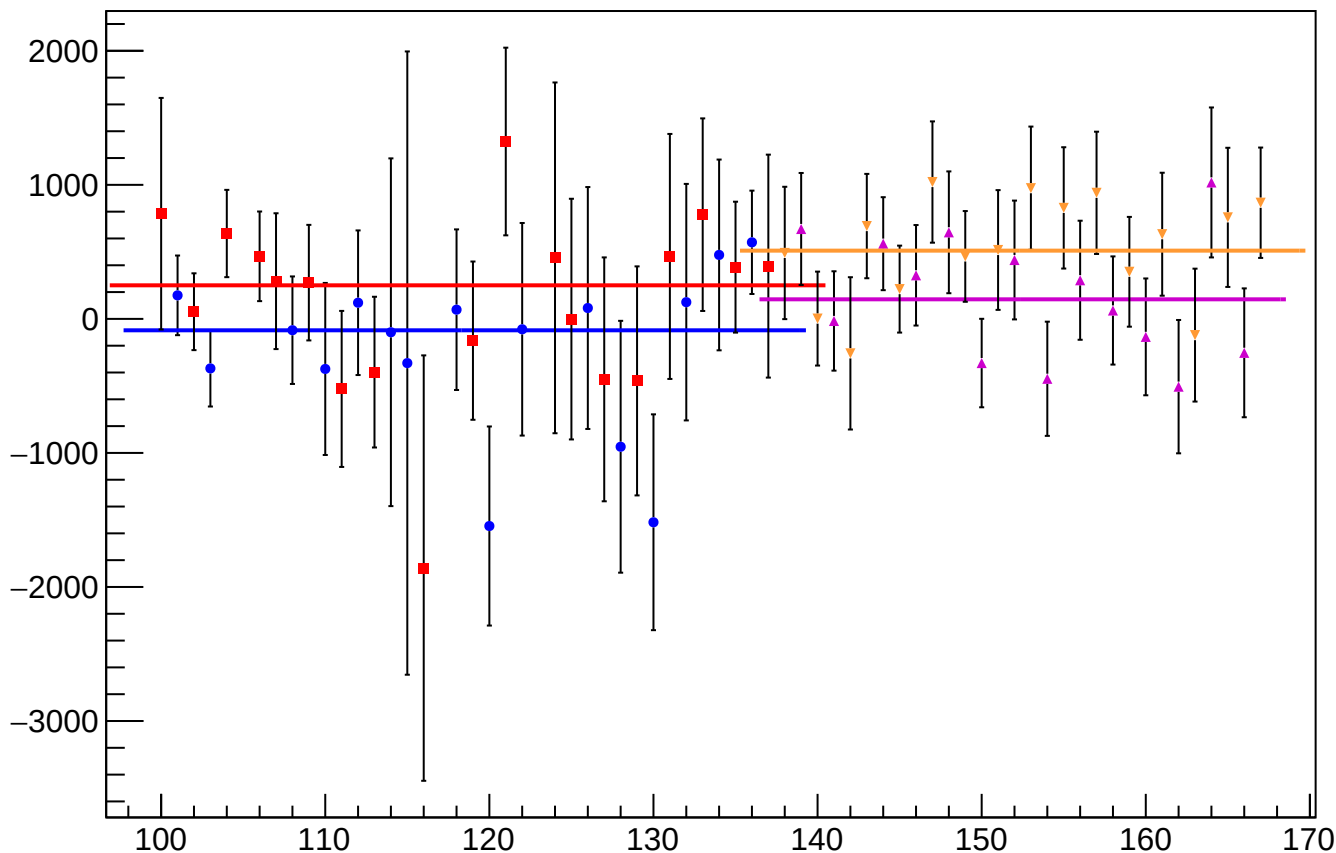
Left In: 69.614 $\pm$ 0.015 χ^2 /NDF: 198721.2/13

+ sign 69.623 $\pm$ 0.011 χ^2 /NDF: 568842.4/31

All: 69.960 $\pm$ 0.008 χ^2 /NDF: 1101337.6/64

- sign 70.322 $\pm$ 0.012 χ^2 /NDF: 530600.4/32

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184 ± 132.877 χ^2/NDF : 13.7/15

Left Out: 509.177 ± 106.064 χ^2/NDF : 11.5/15

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

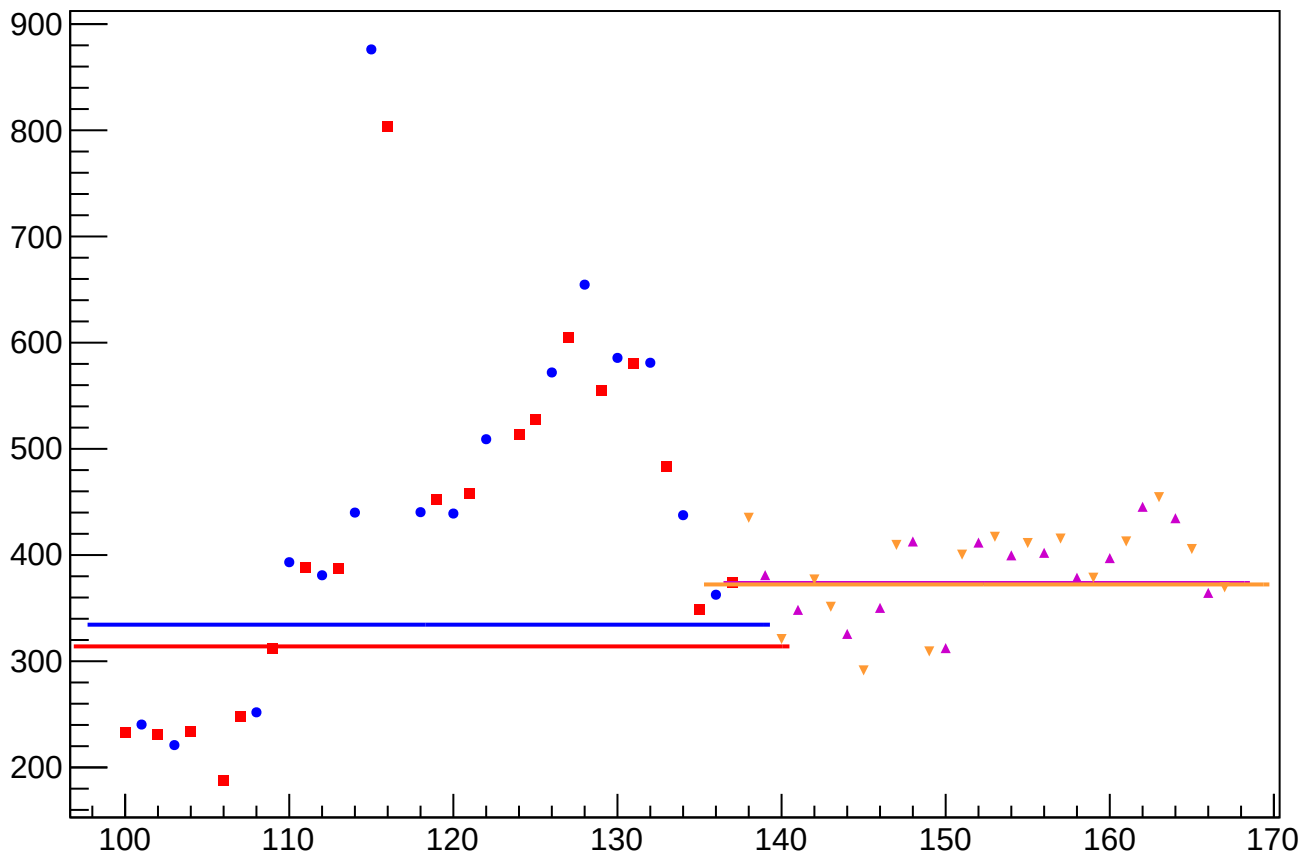
Left In: 145.984 ± 111.045 χ^2/NDF : 14.5/13

+ sign 277.864 ± 82.894 χ^2/NDF : 37.4/31

All: 235.118 ± 58.480 χ^2/NDF : 65.2/64

- sign 192.764 ± 82.515 χ^2/NDF : 27.4/32

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431 $\pm$ 0.094 χ^2/NDF : 1730610.2/15

Left Out: 372.313 $\pm$ 0.075 χ^2/NDF : 428068.0/15

Right Out: 313.971 $\pm$ 0.087 χ^2/NDF : 1904605.9/18

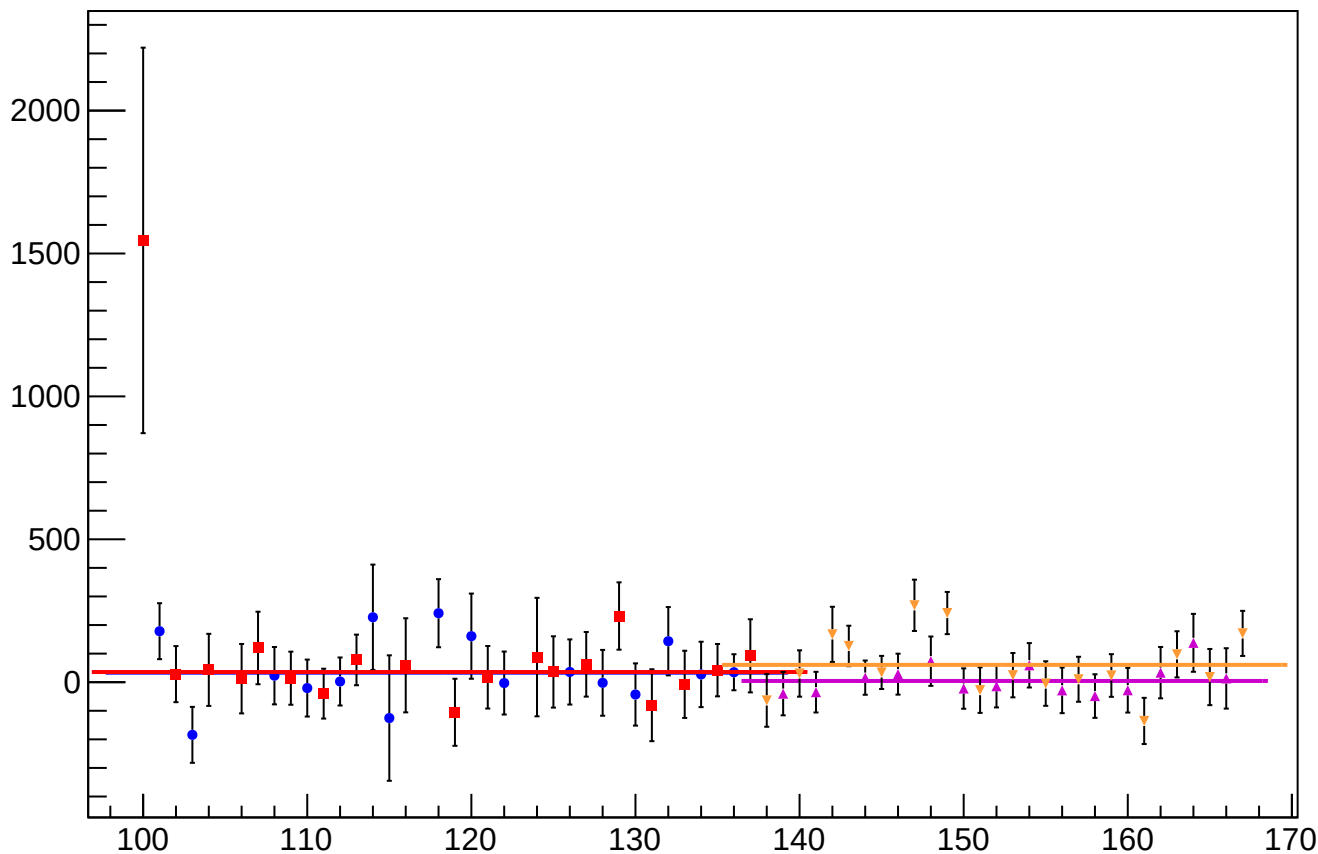
Left In: 373.693 $\pm$ 0.079 χ^2/NDF : 242457.4/13

+ sign 357.570 $\pm$ 0.059 χ^2/NDF : 2257971.4/31

All: 352.234 $\pm$ 0.041 χ^2/NDF : 4680604.6/64

- sign 346.947 $\pm$ 0.058 χ^2/NDF : 2406134.0/32

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397 ± 26.415 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 60.625 ± 19.681 $\chi^2/\text{NDF}: 26.7/15$

Right Out: 35.577 ± 26.536 $\chi^2/\text{NDF}: 12.1/18$

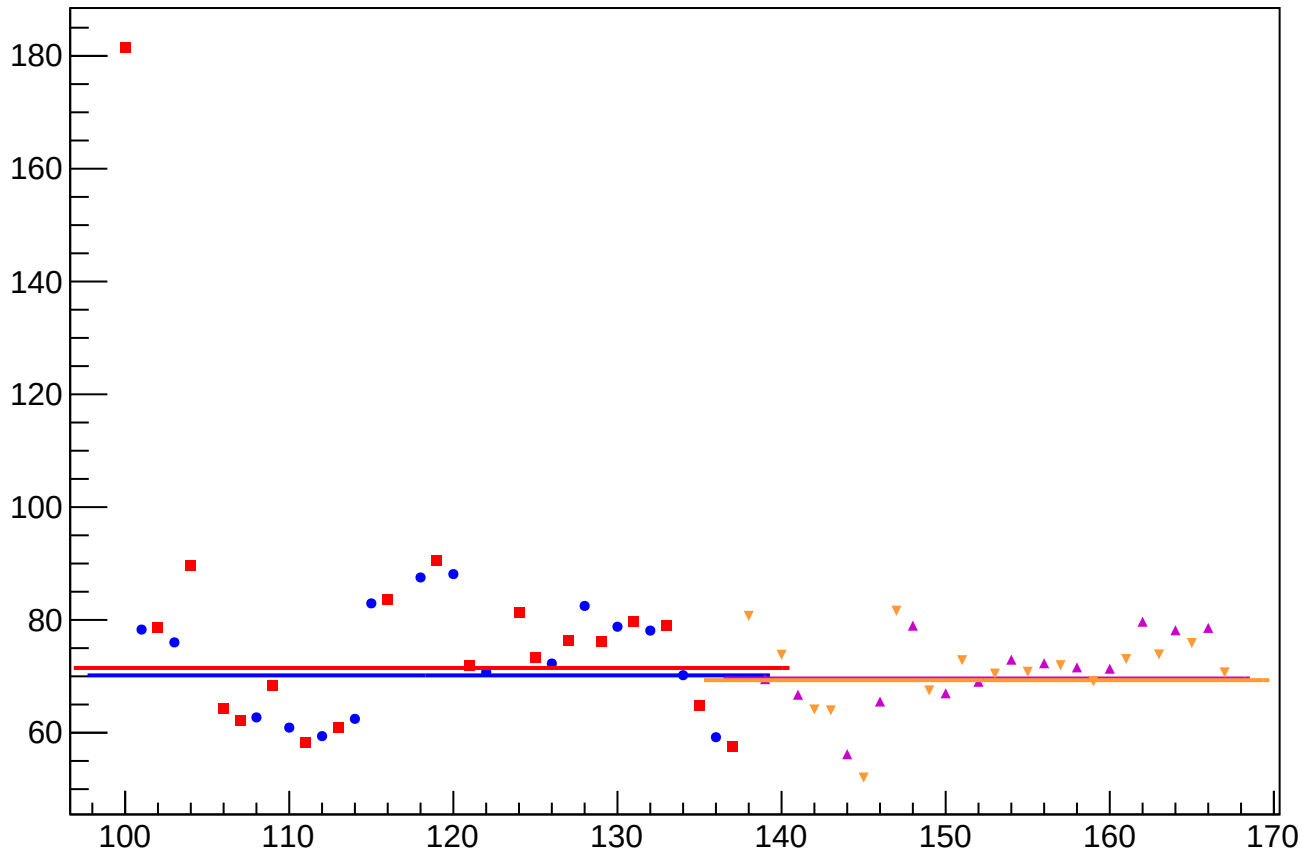
Left In: 4.304 ± 20.716 $\chi^2/\text{NDF}: 4.8/13$

+ sign 50.906 ± 15.782 $\chi^2/\text{NDF}: 42.0/31$

All: 34.118 ± 11.348 $\chi^2/\text{NDF}: 62.1/64$

- sign 16.146 ± 16.329 $\chi^2/\text{NDF}: 17.8/32$

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: 69.321 $\pm$ 0.014 χ^2 /NDF: 298277.0/15

Right Out: 71.483 $\pm$ 0.019 χ^2 /NDF: 325721.5/18

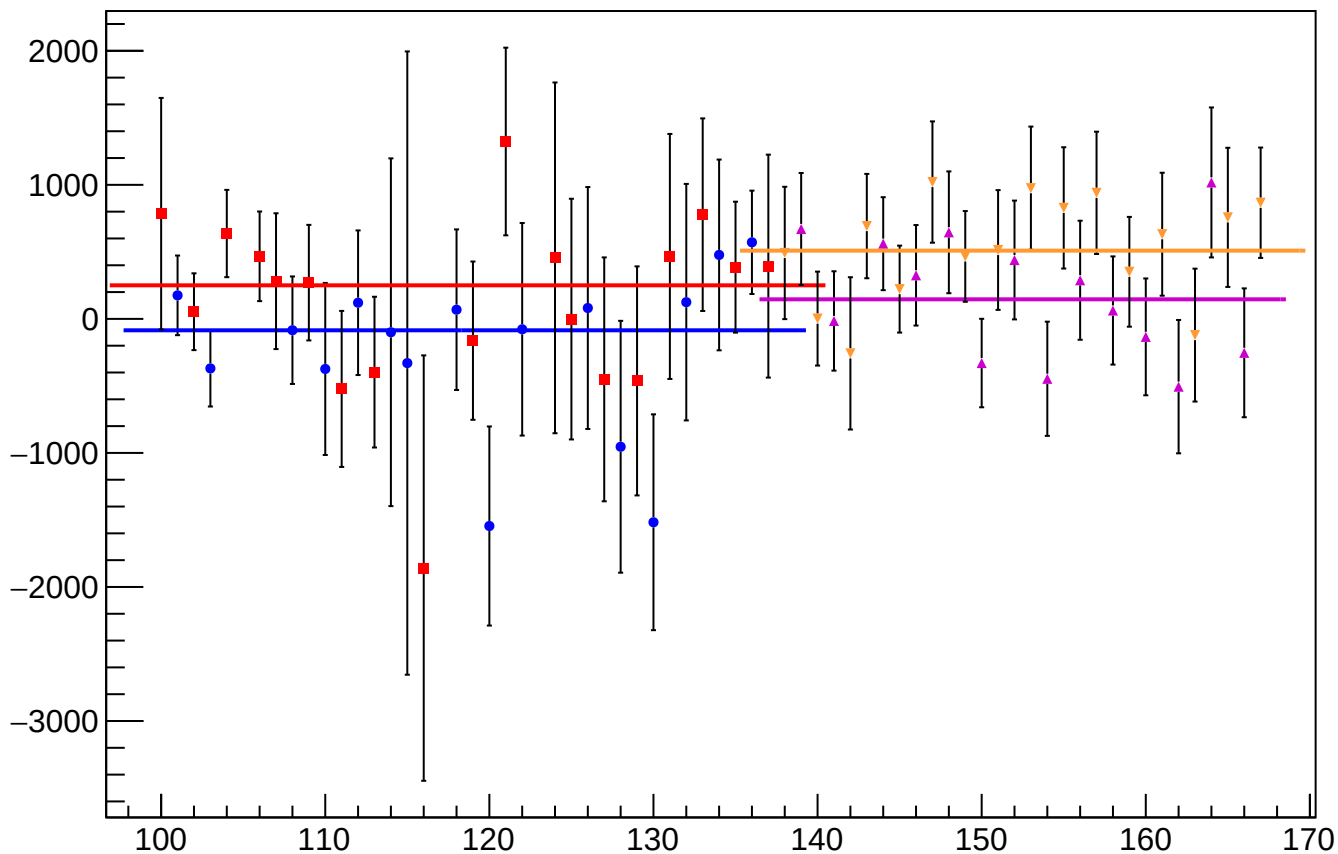
Left In: 69.614 $\pm$ 0.015 χ^2 /NDF: 198723.0/13

+ sign 69.623 $\pm$ 0.011 χ^2 /NDF: 568851.8/31

All: 69.960 $\pm$ 0.008 χ^2 /NDF: 1101355.8/64

- sign 70.322 $\pm$ 0.012 χ^2 /NDF: 530609.1/32

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: 509.176 ± 106.064 χ^2/NDF : 11.5/15

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

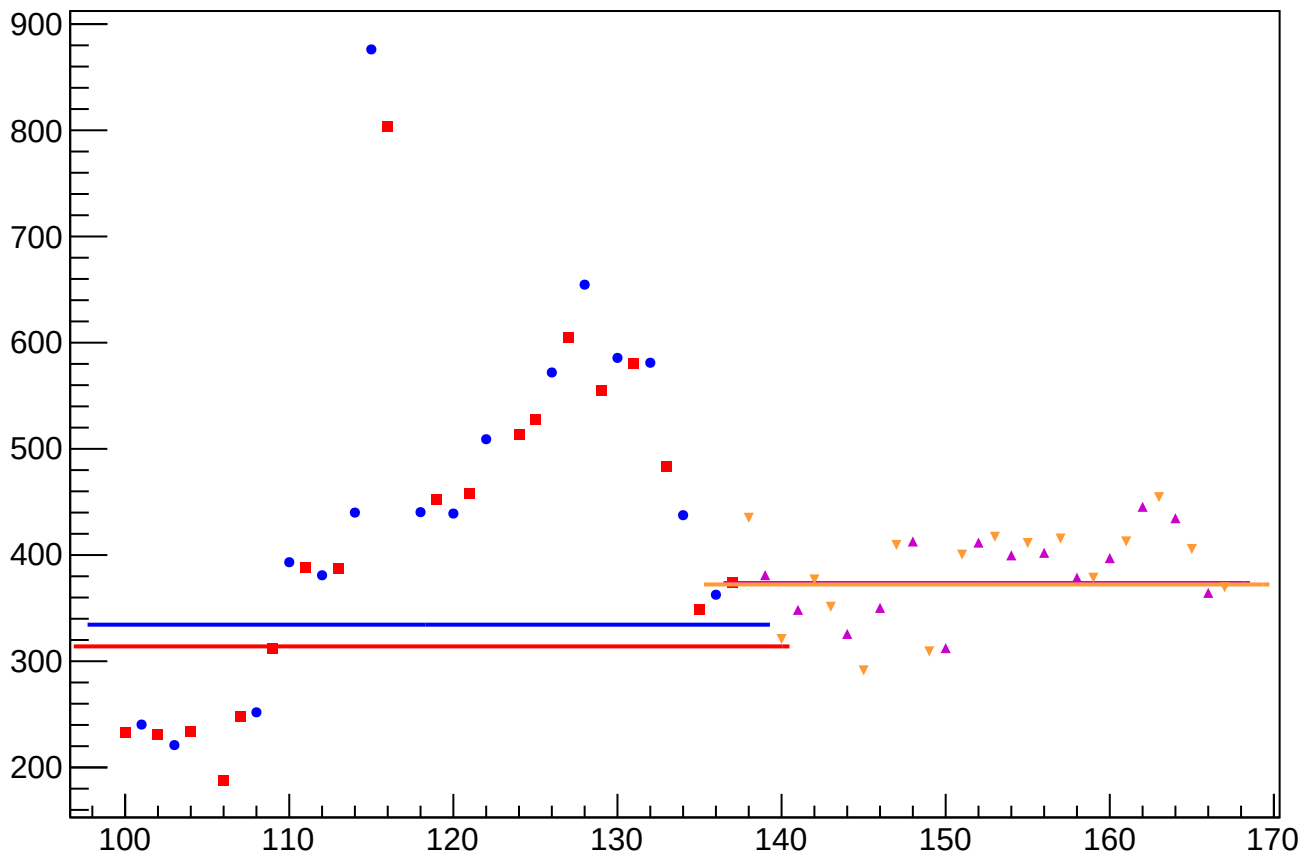
Left In: 145.984 ± 111.045 χ^2/NDF : 14.5/13

+ sign 277.863 ± 82.894 χ^2/NDF : 37.4/31

All: 235.118 ± 58.480 χ^2/NDF : 65.2/64

- sign 192.764 ± 82.515 χ^2/NDF : 27.4/32

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431 $\pm$ 0.094 χ^2/NDF : 1730609.3/15

Left Out: 372.313 $\pm$ 0.075 χ^2/NDF : 428072.1/15

Right Out: 313.971 $\pm$ 0.087 χ^2/NDF : 1904604.3/18

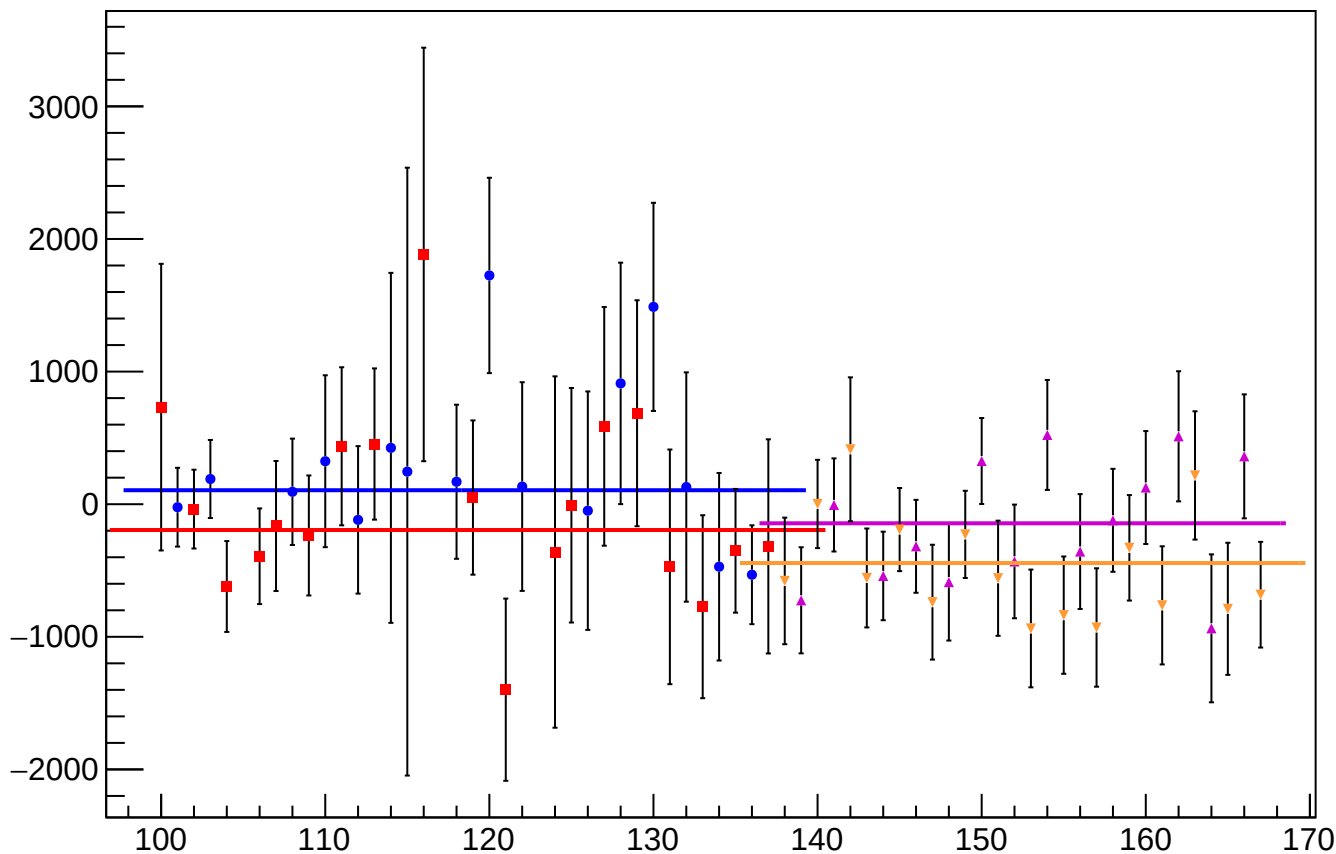
Left In: 373.693 $\pm$ 0.079 χ^2/NDF : 242457.3/13

+ sign 357.570 $\pm$ 0.059 χ^2/NDF : 2257972.6/31

All: 352.234 $\pm$ 0.041 χ^2/NDF : 4680603.9/64

- sign 346.947 $\pm$ 0.058 χ^2/NDF : 2406132.2/32

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390 ± 133.046 χ^2/NDF : 13.0/15

Left Out: -443.573 ± 102.474 χ^2/NDF : 12.6/15

Right Out: -194.712 ± 126.198 χ^2/NDF : 13.1/18

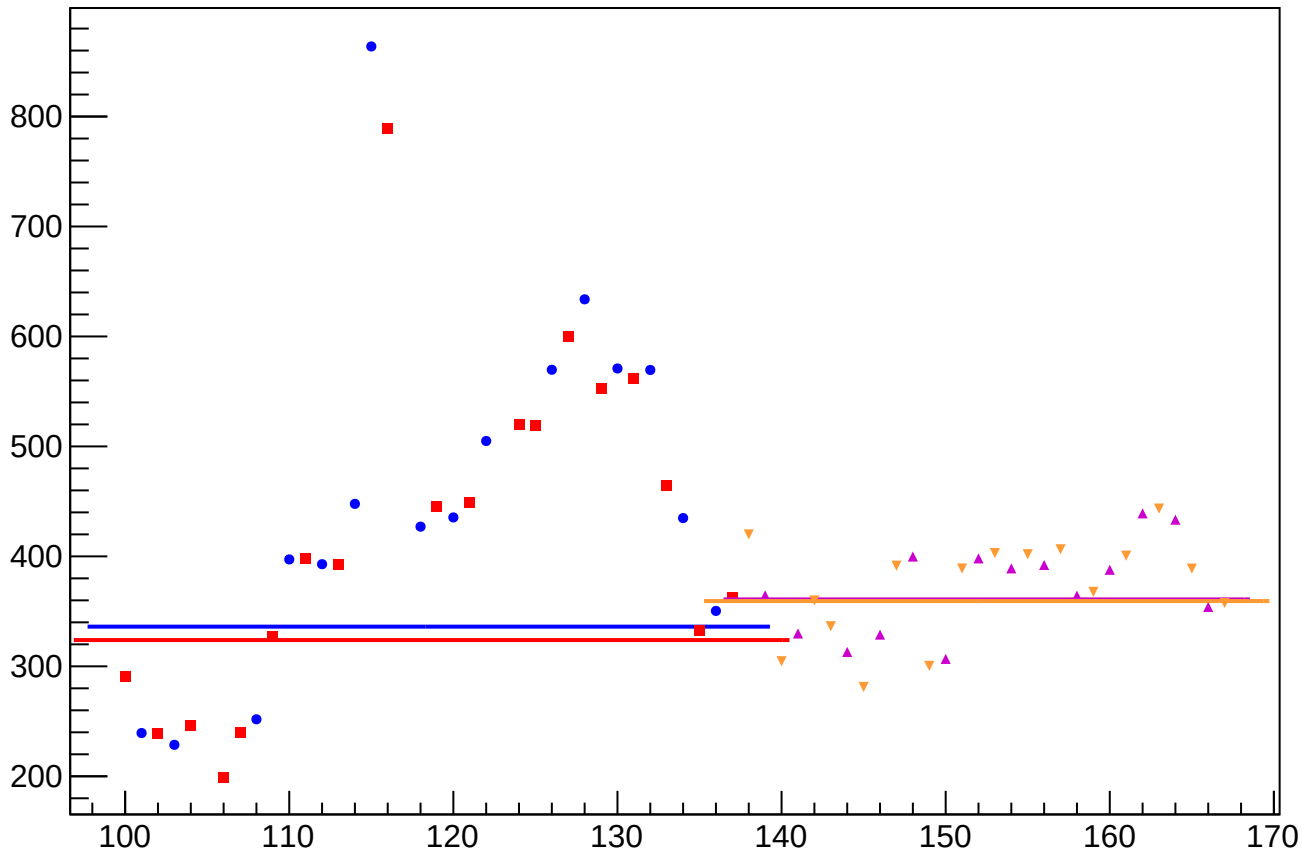
Left In: -143.991 ± 107.313 χ^2/NDF : 15.7/13

+ sign -239.169 ± 81.185 χ^2/NDF : 36.2/31

All: -202.480 ± 57.606 χ^2/NDF : 65.6/64

- sign -165.276 ± 81.752 χ^2/NDF : 28.9/32

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092 $\pm$ 0.094 χ^2 /NDF: 1618997.2/15

Left Out: 359.365 $\pm$ 0.072 χ^2 /NDF: 448352.9/15

Right Out: 323.885 $\pm$ 0.089 χ^2 /NDF: 1665420.8/18

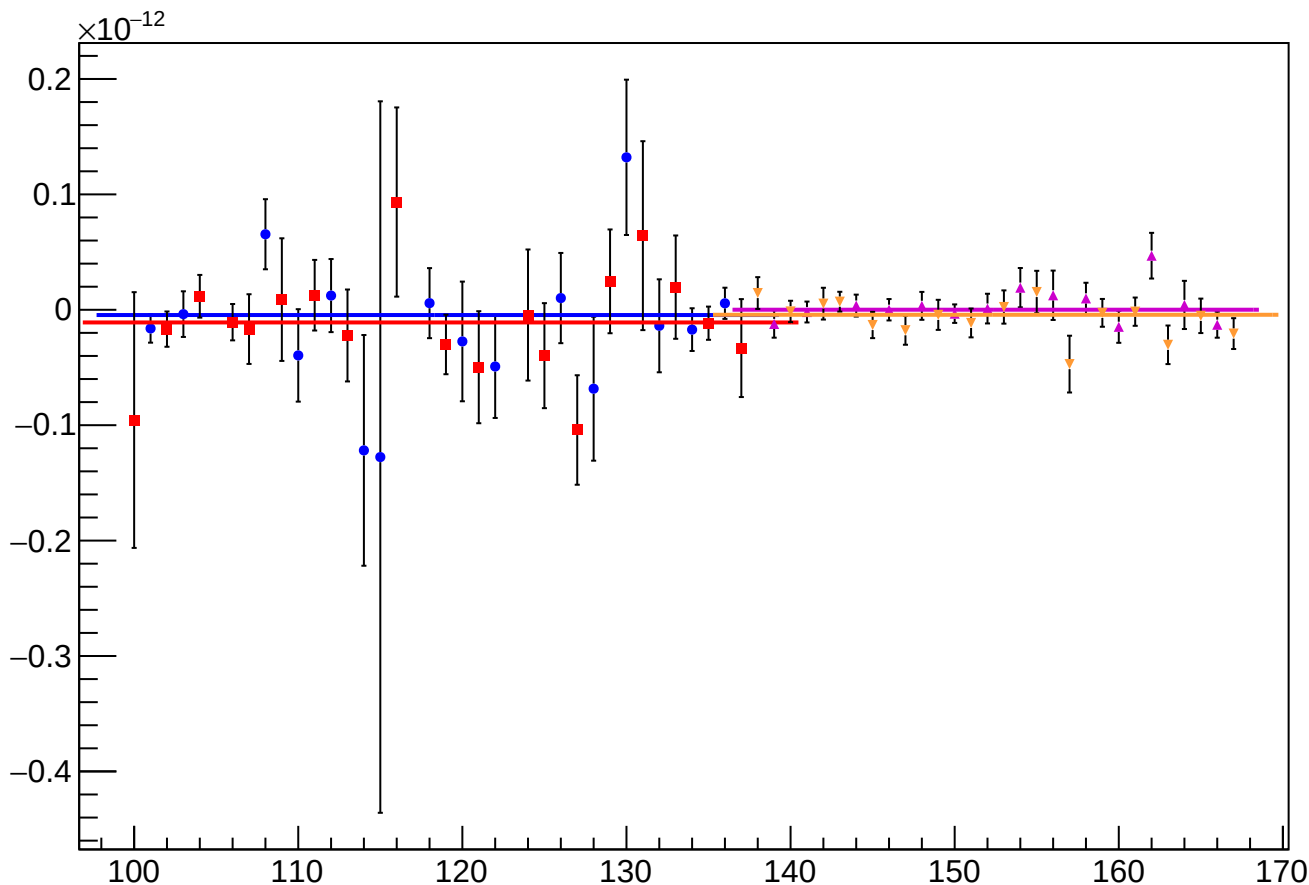
Left In: 360.872 $\pm$ 0.076 χ^2 /NDF: 272876.8/13

+ sign 350.699 $\pm$ 0.057 χ^2 /NDF: 2105761.1/31

All: 348.044 $\pm$ 0.041 χ^2 /NDF: 4148070.9/64

- sign 345.351 $\pm$ 0.058 χ^2 /NDF: 2037999.1/32

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:14.6/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/18

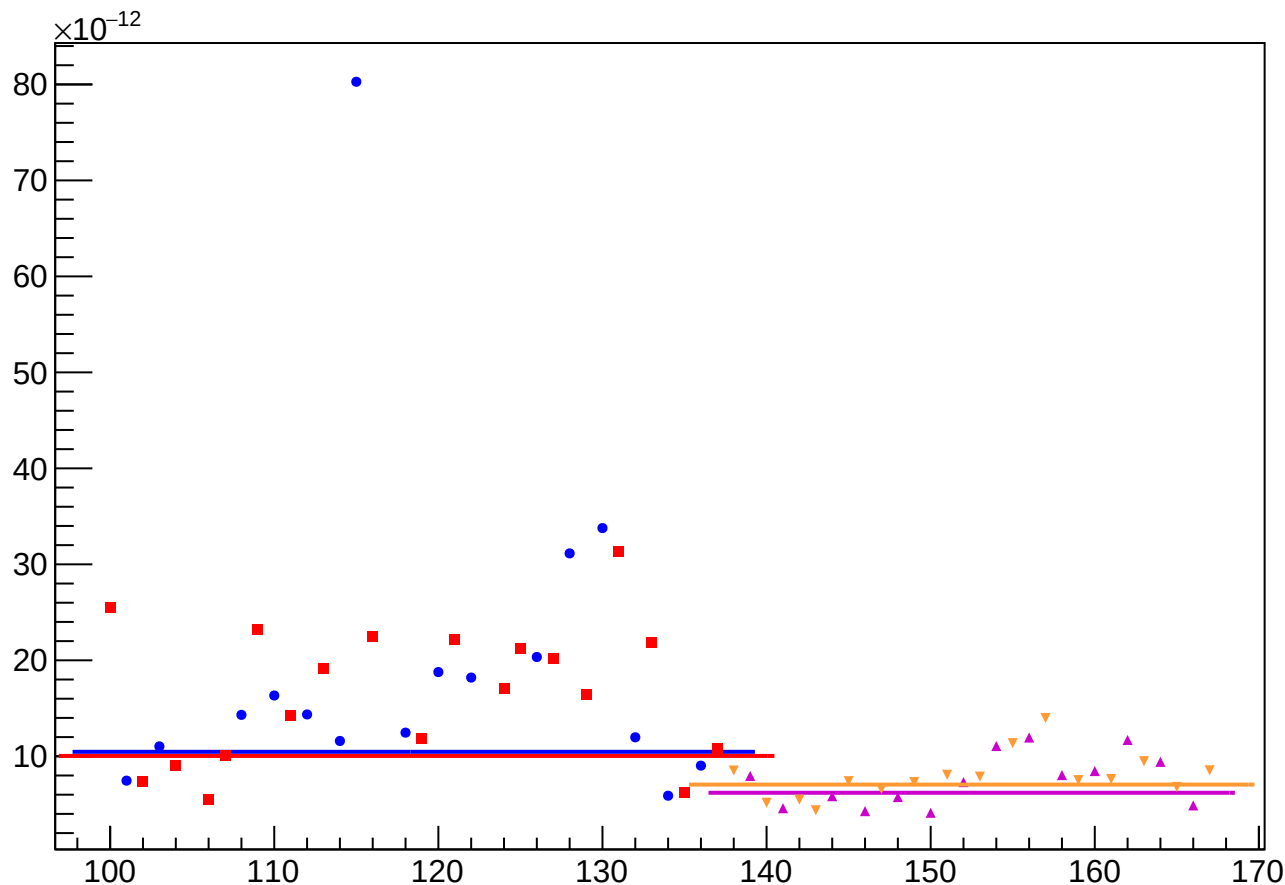
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.7/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.1/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 57.9/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/32

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1183833.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 696385.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1415778.7/18

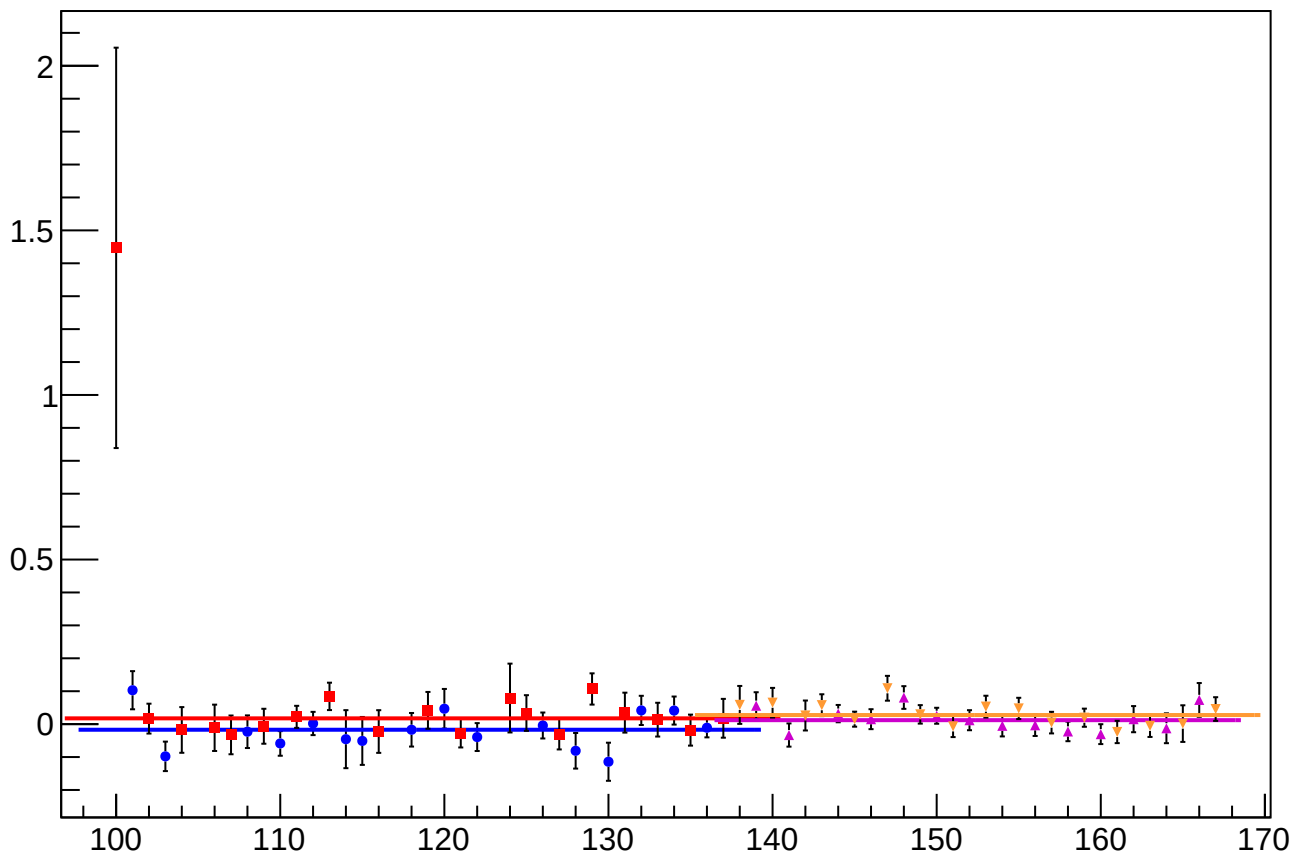
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 975294.7/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2331368.1/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5370464.0/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2966522.9/32

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: 0.028 ± 0.008 χ^2/NDF : 13.2/15

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

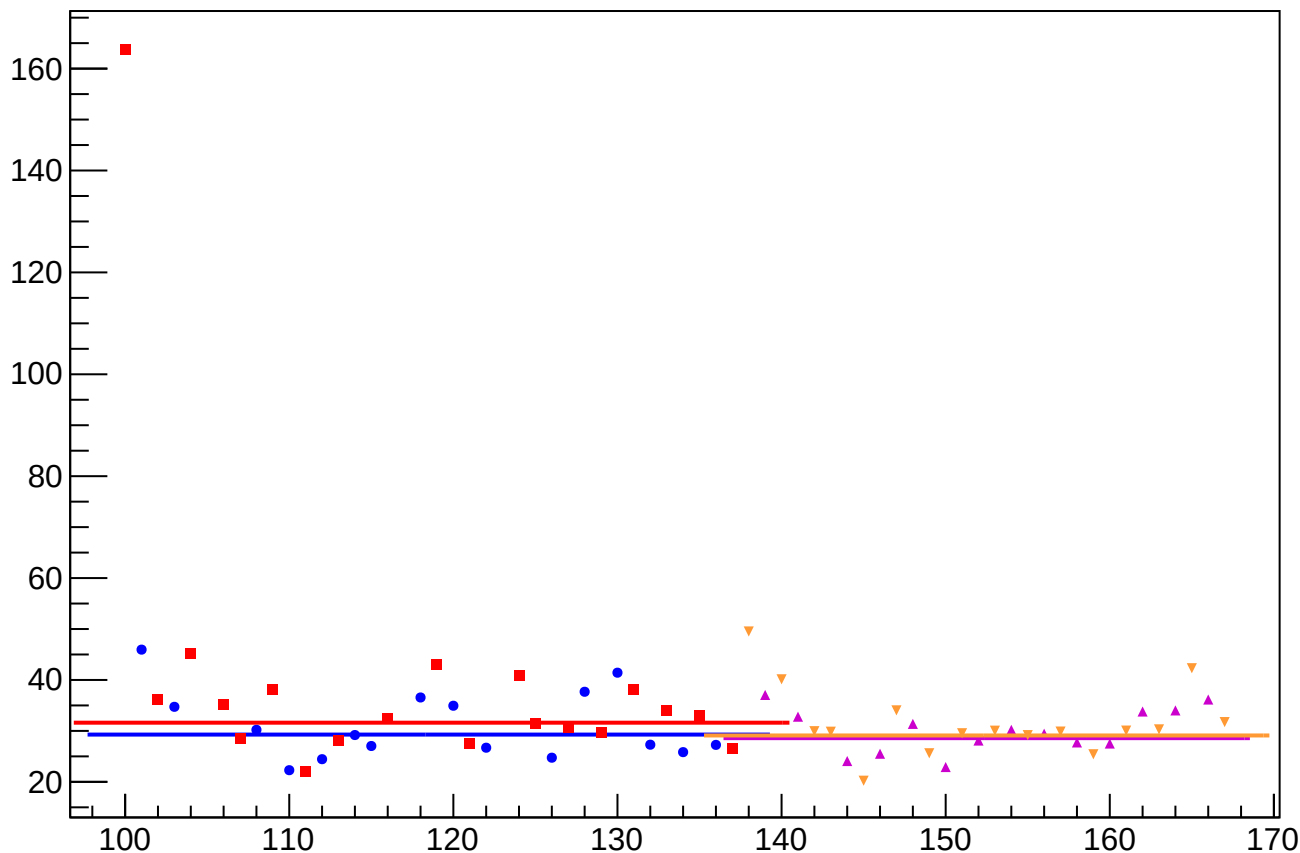
Left In: 0.012 ± 0.009 χ^2/NDF : 13.2/13

+ sign 0.012 ± 0.007 χ^2/NDF : 41.9/31

All: 0.013 ± 0.005 χ^2/NDF : 72.2/64

- sign 0.014 ± 0.007 χ^2/NDF : 30.2/32

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: 29.105 $\pm$ 0.006 χ^2 /NDF: 907244.4/15

Right Out: 31.613 $\pm$ 0.009 χ^2 /NDF: 572190.6/18

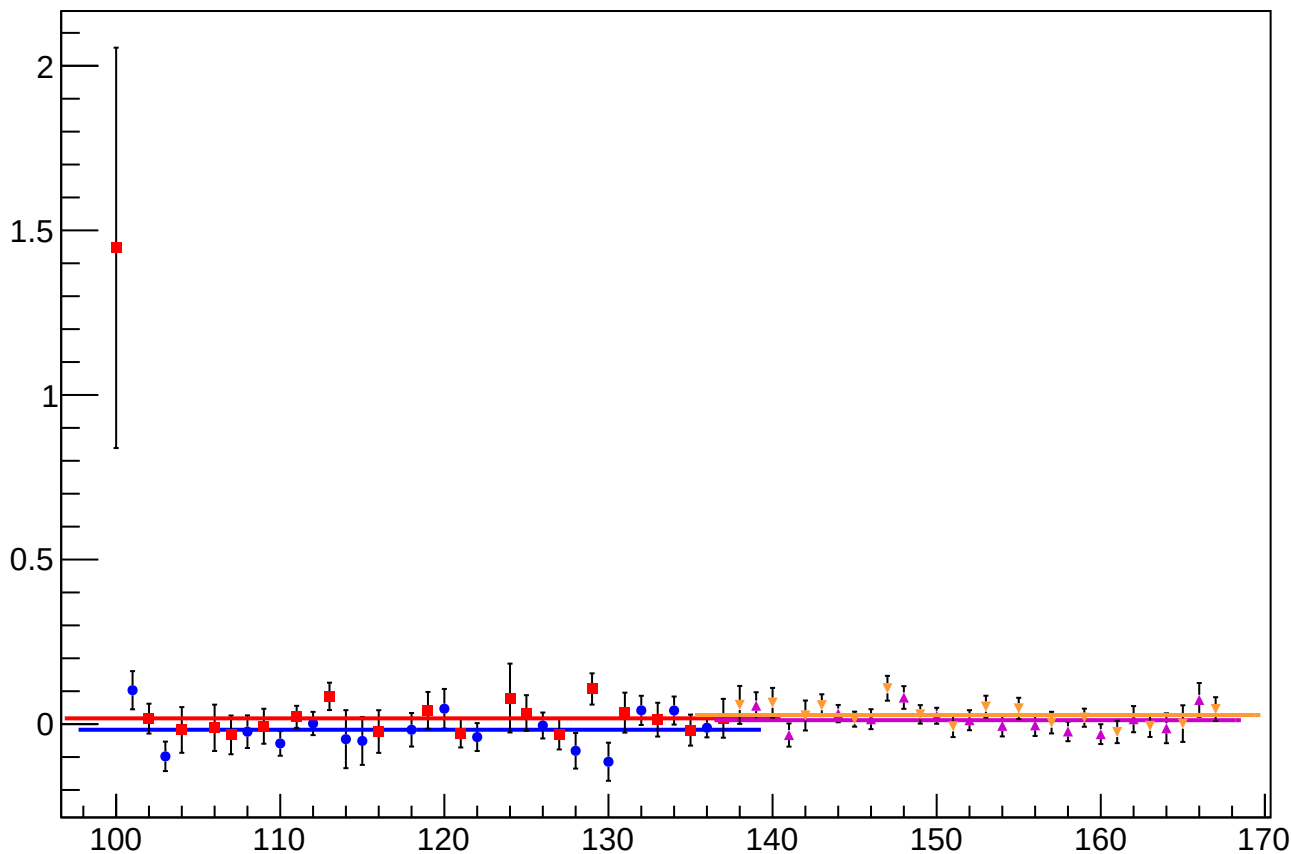
Left In: 28.578 $\pm$ 0.006 χ^2 /NDF: 434412.2/13

+ sign 29.167 $\pm$ 0.005 χ^2 /NDF: 1468200.0/31

All: 29.381 $\pm$ 0.003 χ^2 /NDF: 2561909.4/64

- sign 29.613 $\pm$ 0.005 χ^2 /NDF: 1089561.2/32

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: 0.028 ± 0.008 χ^2/NDF : 13.2/15

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

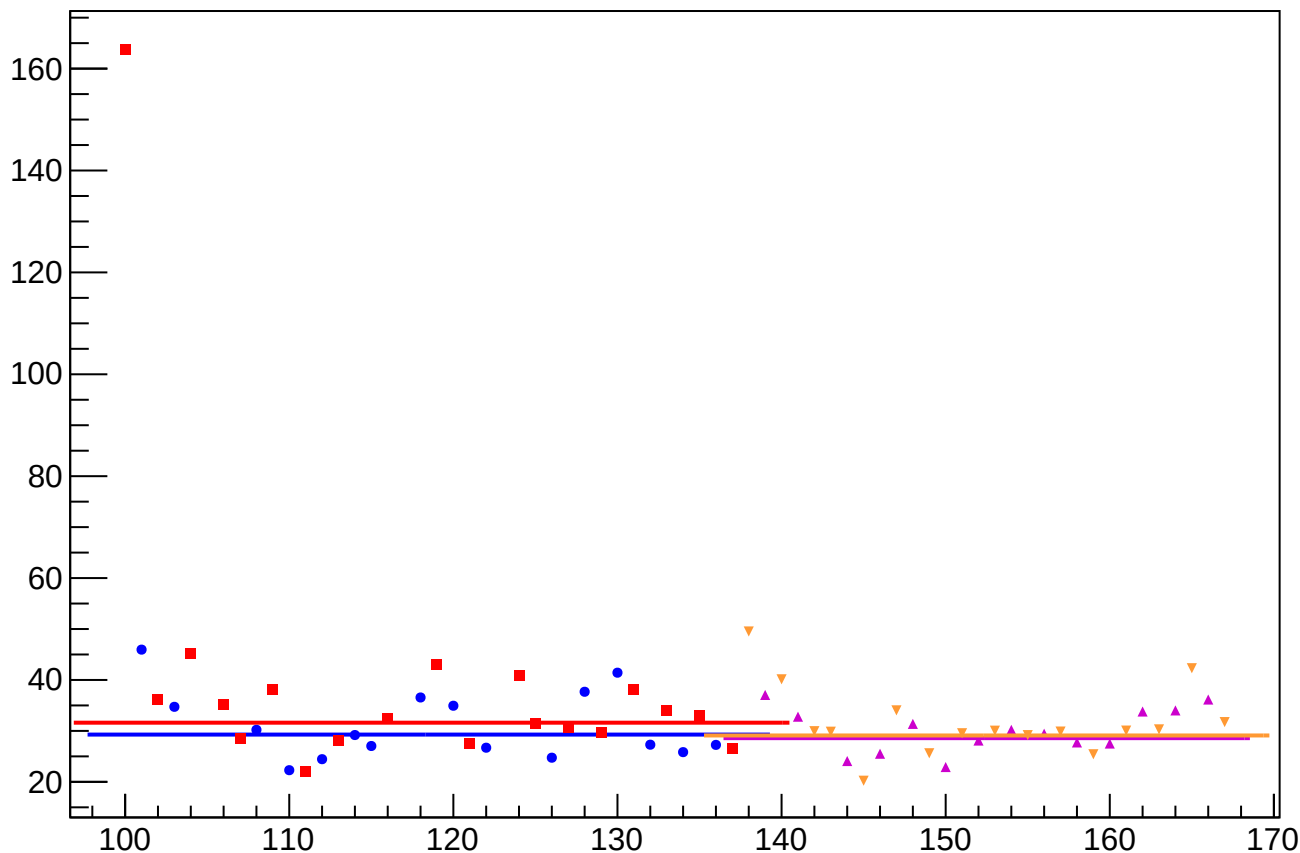
Left In: 0.012 ± 0.009 χ^2/NDF : 13.2/13

+ sign 0.012 ± 0.007 χ^2/NDF : 41.9/31

All: 0.013 ± 0.005 χ^2/NDF : 72.2/64

- sign 0.014 ± 0.007 χ^2/NDF : 30.2/32

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278 ± 0.008 $\chi^2/\text{NDF}: 560654.9/15$

Left Out: 29.105 ± 0.006 $\chi^2/\text{NDF}: 907244.4/15$

Right Out: 31.613 ± 0.009 $\chi^2/\text{NDF}: 572190.6/18$

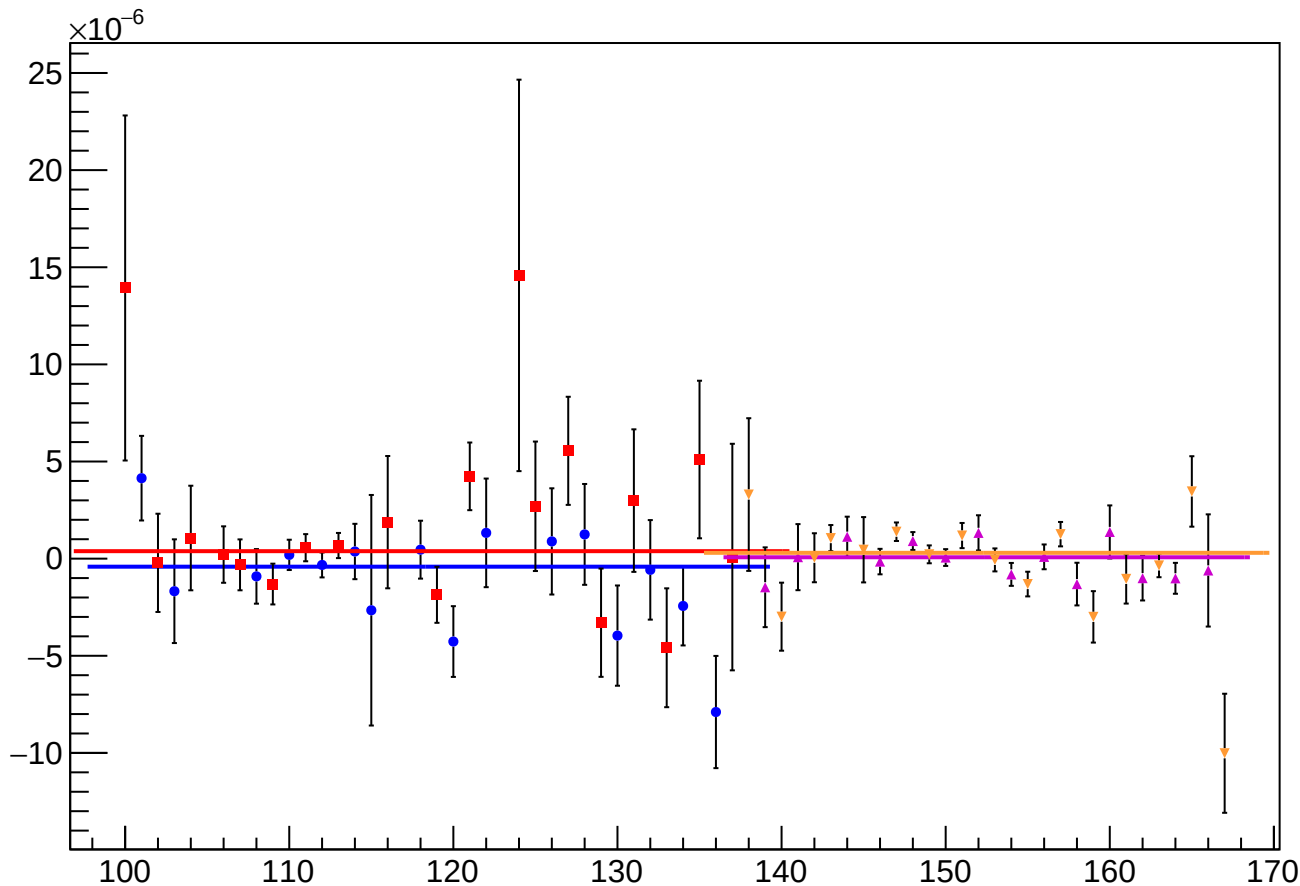
Left In: 28.578 ± 0.006 $\chi^2/\text{NDF}: 434412.2/13$

+ sign 29.167 ± 0.005 $\chi^2/\text{NDF}: 1468200.0/31$

All: 29.381 ± 0.003 $\chi^2/\text{NDF}: 2561909.4/64$

- sign 29.613 ± 0.005 $\chi^2/\text{NDF}: 1089561.2/32$

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 : 44.5/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.3/18

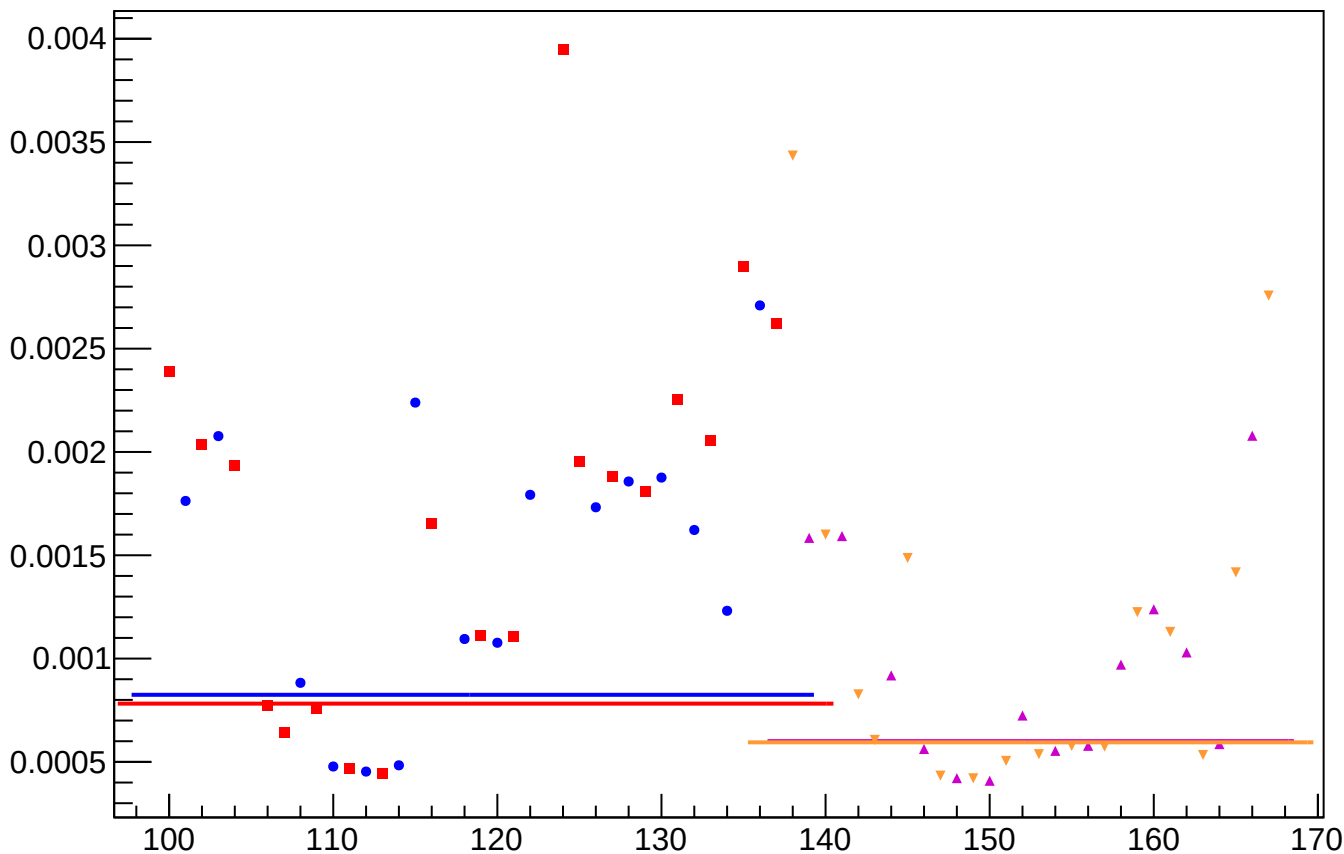
Left In: 0.000 ± 0.000 χ^2/NDF : 14.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 68.7/31

All: 0.000 ± 0.000 χ^2/NDF : 109.0/64

- sign 0.000 ± 0.000 χ^2/NDF : 40.4/32

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: 0.001+/-0.000 χ^2/NDF : 5146753.0/15

Right Out: 0.001+/-0.000 χ^2/NDF : 4638419.3/18

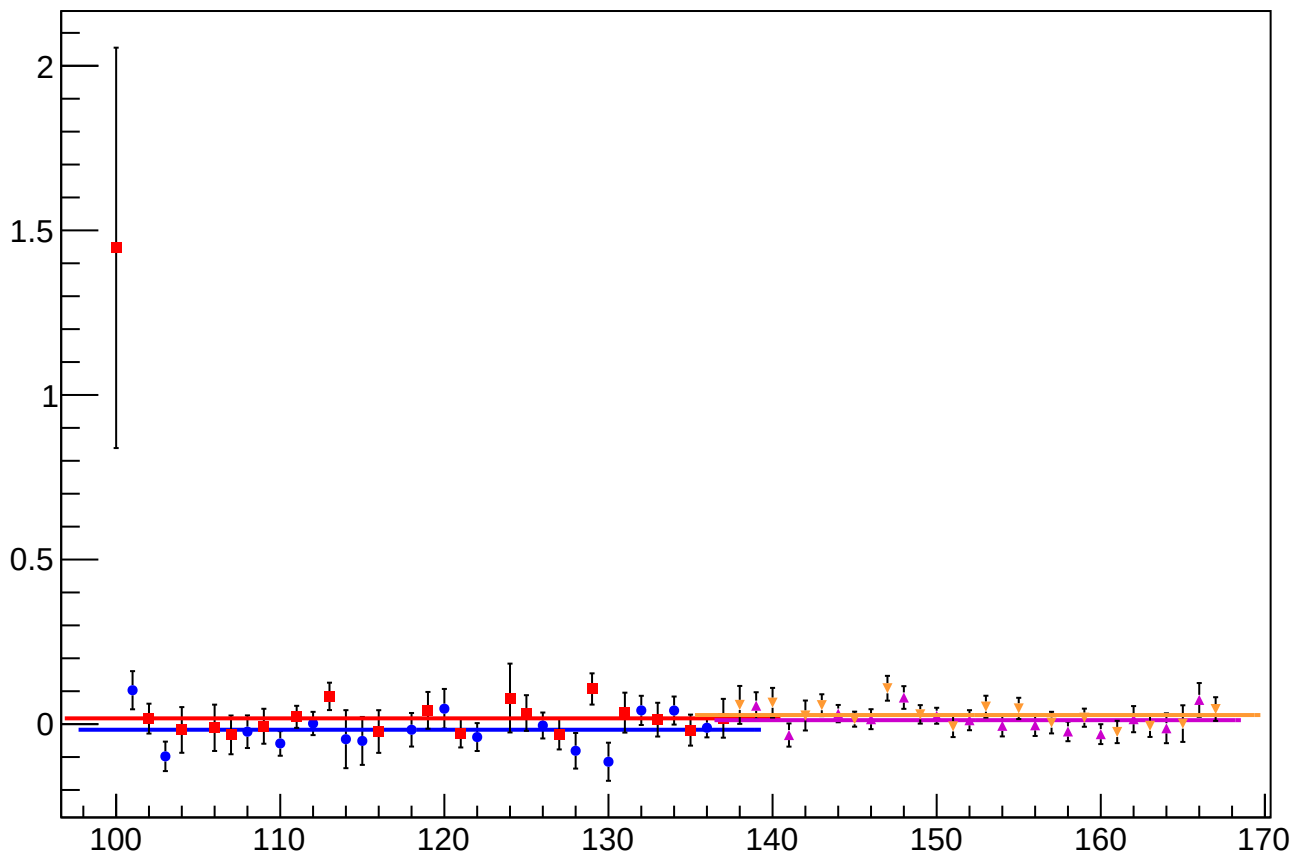
Left In: 0.001+/-0.000 χ^2/NDF : 3554612.8/13

+ sign 0.001+/-0.000 χ^2/NDF : 10203956.4/31

All: 0.001+/-0.000 χ^2/NDF : 18801961.5/64

- sign 0.001+/-0.000 χ^2/NDF : 8597635.1/32

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: 0.028 ± 0.008 χ^2/NDF : 13.2/15

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

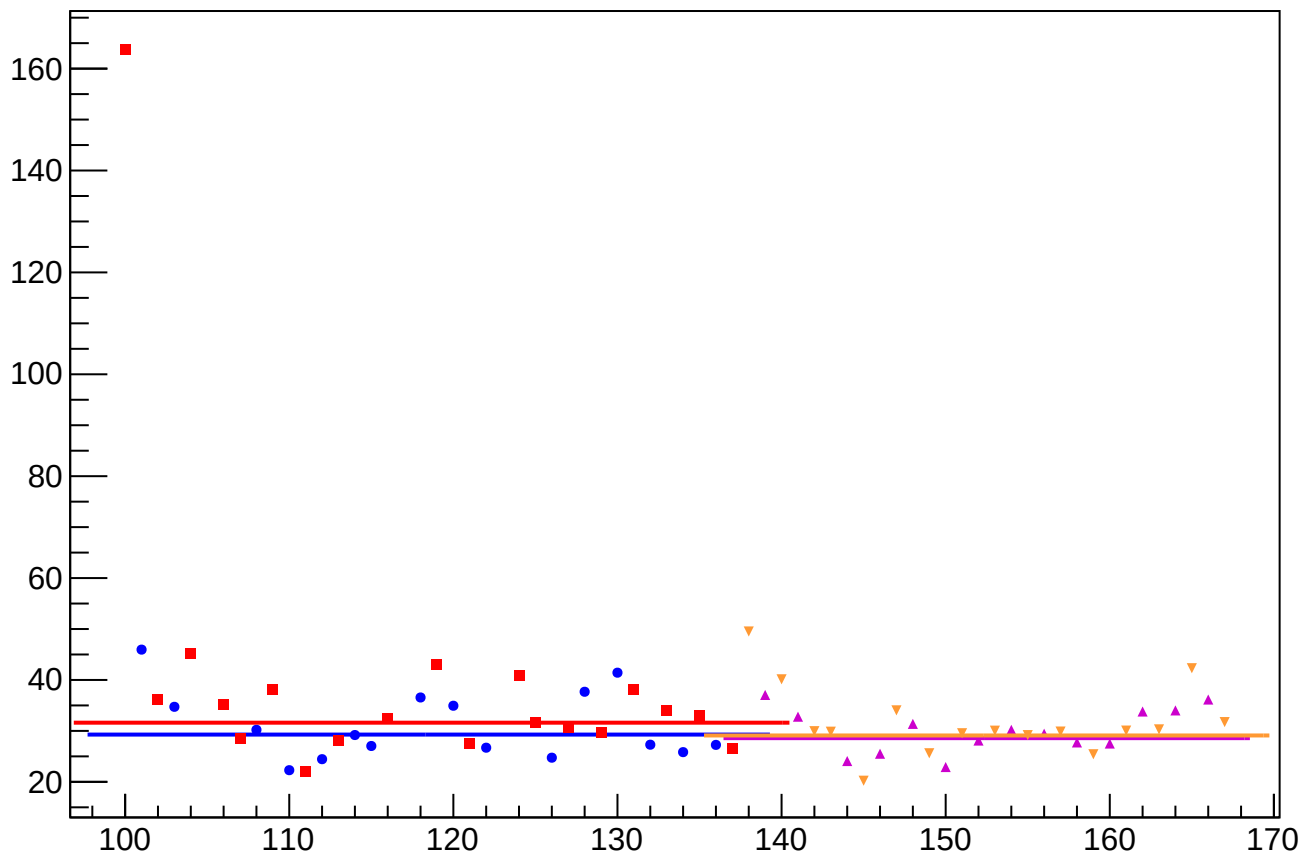
Left In: 0.012 ± 0.009 χ^2/NDF : 13.2/13

+ sign 0.012 ± 0.007 χ^2/NDF : 41.9/31

All: 0.013 ± 0.005 χ^2/NDF : 72.2/64

- sign 0.014 ± 0.007 χ^2/NDF : 30.2/32

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: 29.105 $\pm$ 0.006 χ^2/NDF : 907297.8/15

Right Out: 31.614 $\pm$ 0.009 χ^2/NDF : 572187.4/18

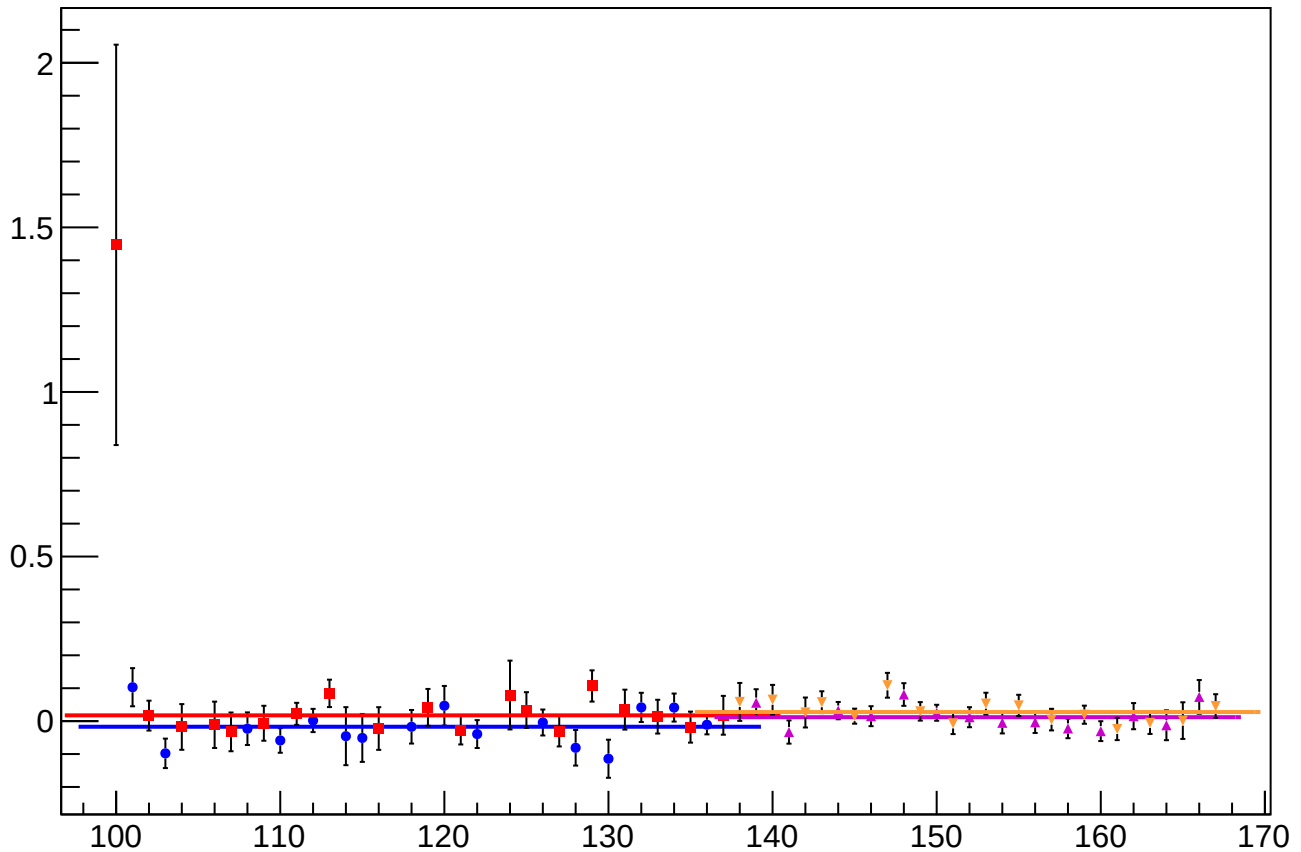
Left In: 28.578 $\pm$ 0.006 χ^2/NDF : 434376.5/13

+ sign 29.167 $\pm$ 0.005 χ^2/NDF : 1468253.7/31

All: 29.381 $\pm$ 0.003 χ^2/NDF : 2561941.4/64

- sign 29.613 $\pm$ 0.005 χ^2/NDF : 1089536.9/32

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: 0.028 ± 0.008 χ^2/NDF : 13.2/15

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

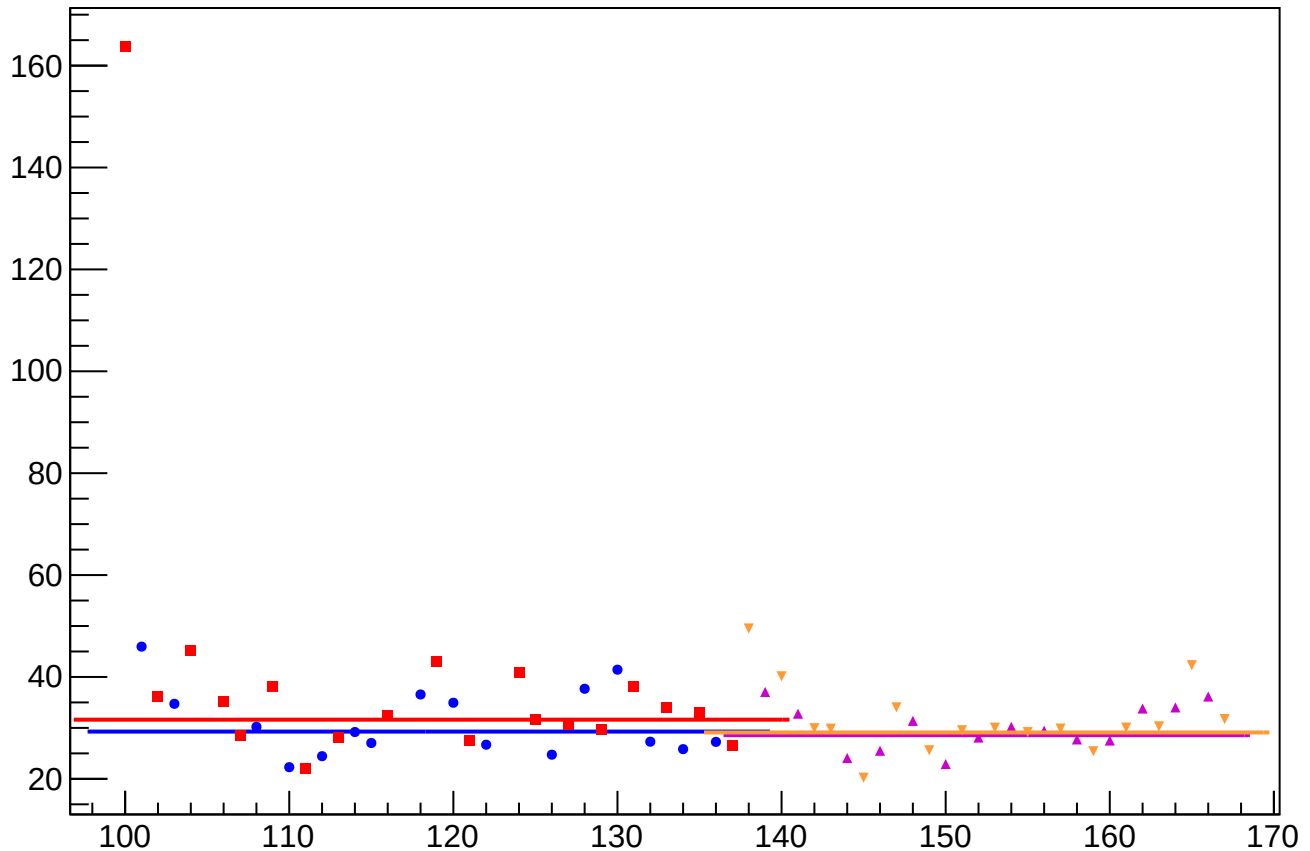
Left In: 0.012 ± 0.009 χ^2/NDF : 13.2/13

+ sign 0.012 ± 0.007 χ^2/NDF : 41.9/31

All: 0.013 ± 0.005 χ^2/NDF : 72.2/64

- sign 0.014 ± 0.007 χ^2/NDF : 30.2/32

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: 29.105 $\pm$ 0.006 χ^2/NDF : 907297.8/15

Right Out: 31.614 $\pm$ 0.009 χ^2/NDF : 572187.4/18

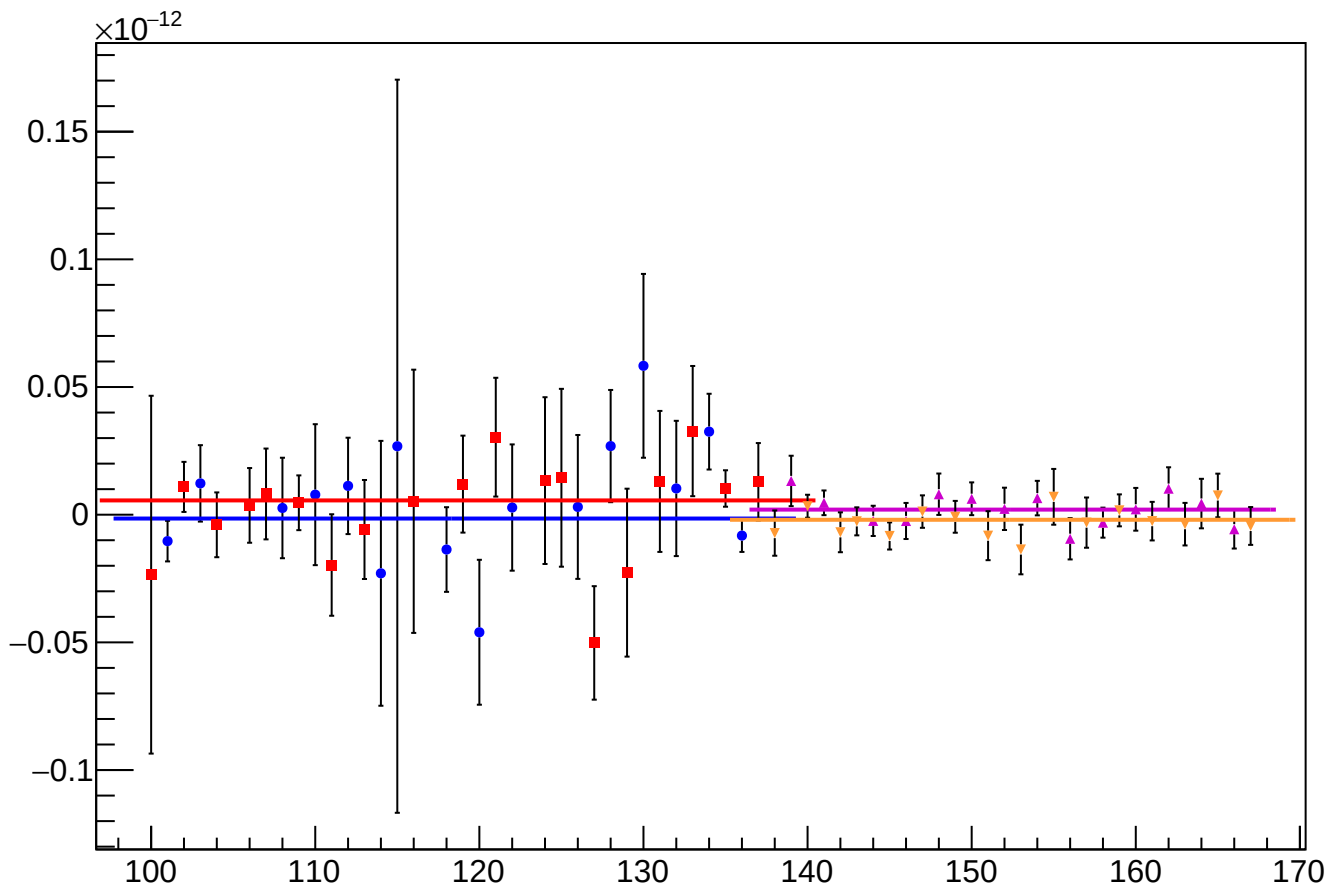
Left In: 28.578 $\pm$ 0.006 χ^2/NDF : 434376.5/13

+ sign 29.167 $\pm$ 0.005 χ^2/NDF : 1468253.7/31

All: 29.381 $\pm$ 0.003 χ^2/NDF : 2561941.4/64

- sign 29.613 $\pm$ 0.005 χ^2/NDF : 1089536.9/32

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 : 8.1/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.3/18

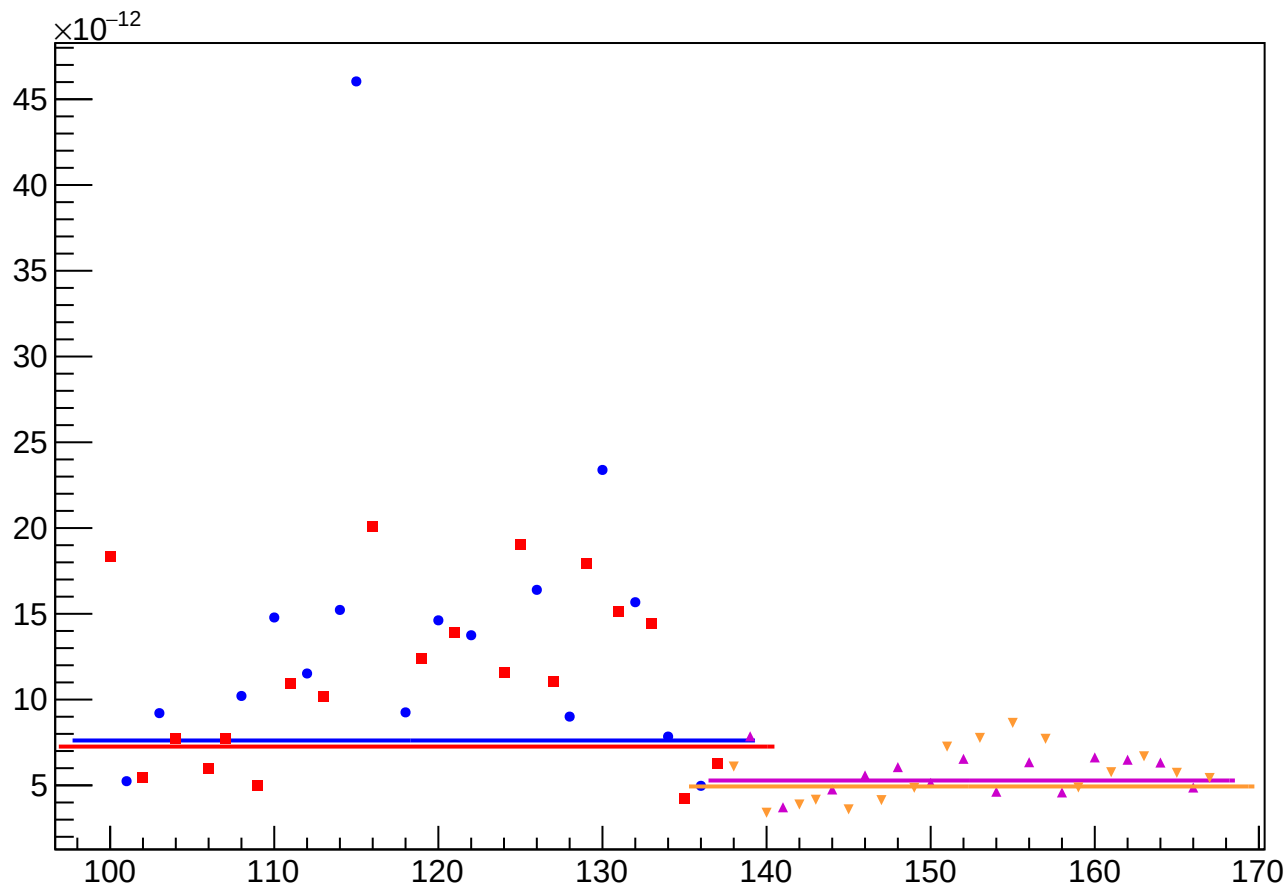
Left In: 0.000 ± 0.000 χ^2/NDF : 8.8/13

+ sign -0.000 ± 0.000 χ^2/NDF : 25.1/31

All: 0.000 ± 0.000 χ^2/NDF : 52.0/64

- sign 0.000 ± 0.000 χ^2/NDF : 22.9/32

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 :1316925.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1998231.7/18

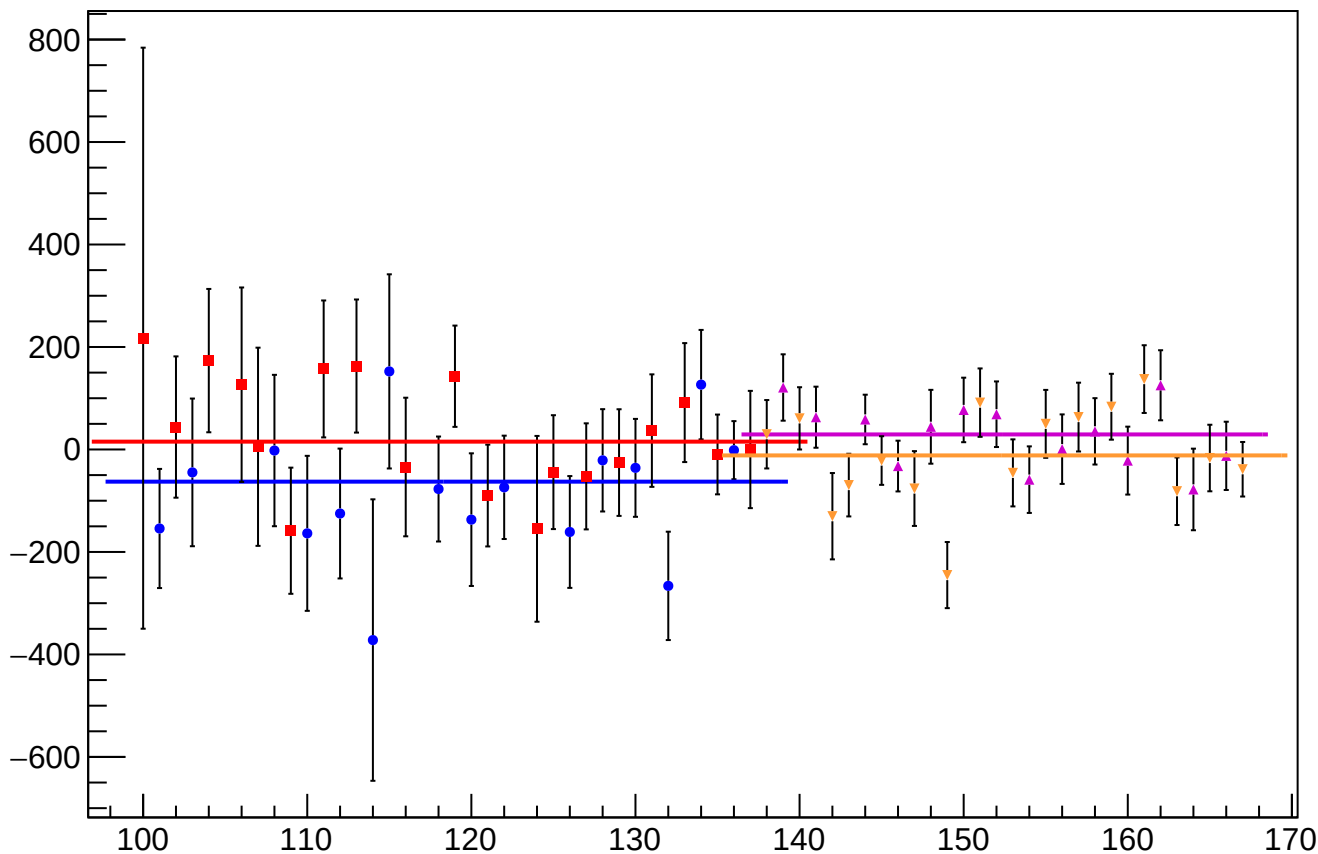
Left In: 0.000+/-0.000 χ^2/NDF :634276.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 4152053.3/31

All: 0.000+/-0.000 χ^2/NDF : 7281429.9/64

- sign 0.000+/-0.000 χ^2/NDF : 3094912.4/32

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798 ± 27.213 $\chi^2/\text{NDF}: 13.5/15$

Left Out: -11.590 ± 15.862 $\chi^2/\text{NDF}: 32.0/15$

Right Out: 15.288 ± 27.770 $\chi^2/\text{NDF}: 11.5/18$

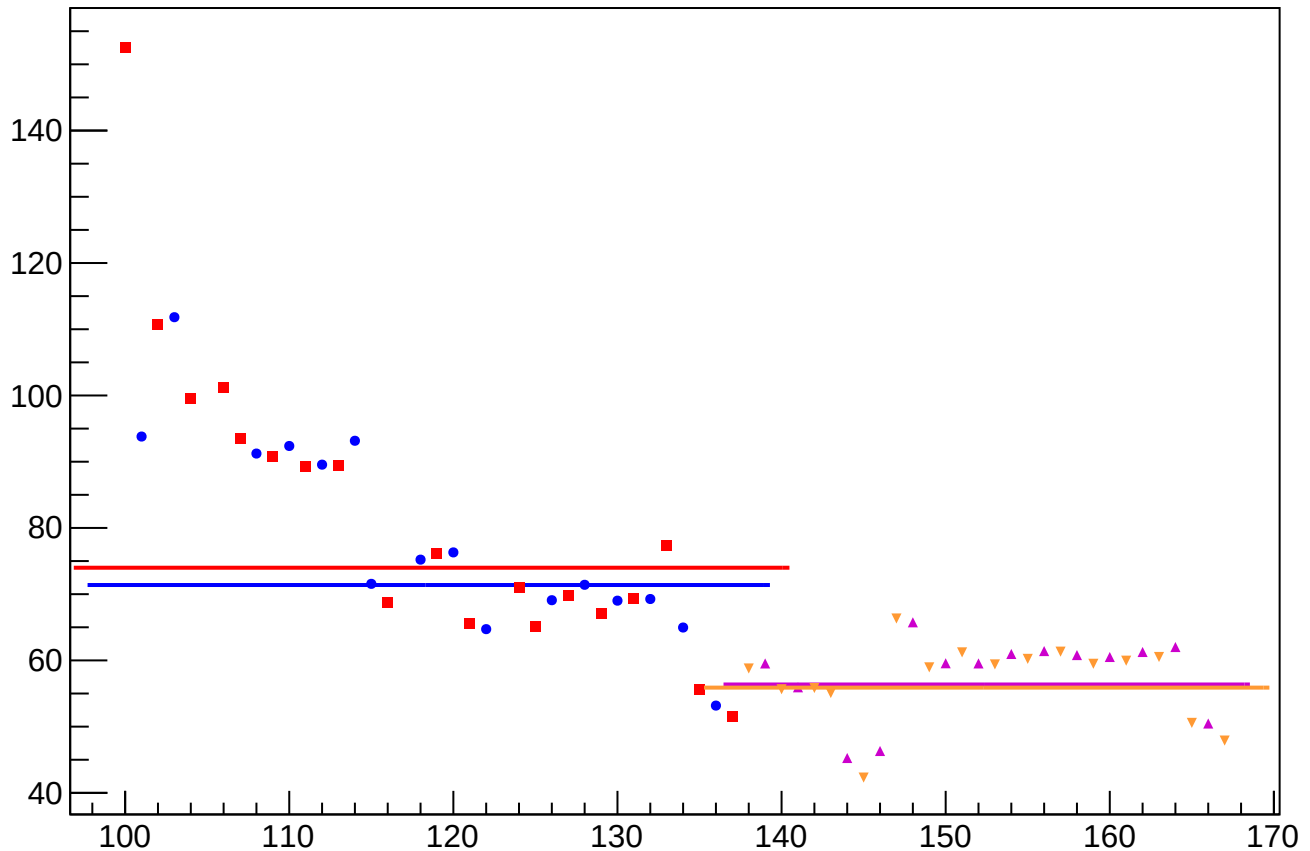
Left In: 29.356 ± 16.755 $\chi^2/\text{NDF}: 12.0/13$

+ sign -24.576 ± 13.704 $\chi^2/\text{NDF}: 48.1/31$

All: -0.635 ± 9.909 $\chi^2/\text{NDF}: 78.2/64$

- sign 25.602 ± 14.346 $\chi^2/\text{NDF}: 23.7/32$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF : 590909.3/15

Left Out: 55.891+/-0.011 χ^2/NDF : 335804.6/15

Right Out: 73.994+/-0.020 χ^2/NDF : 638445.5/18

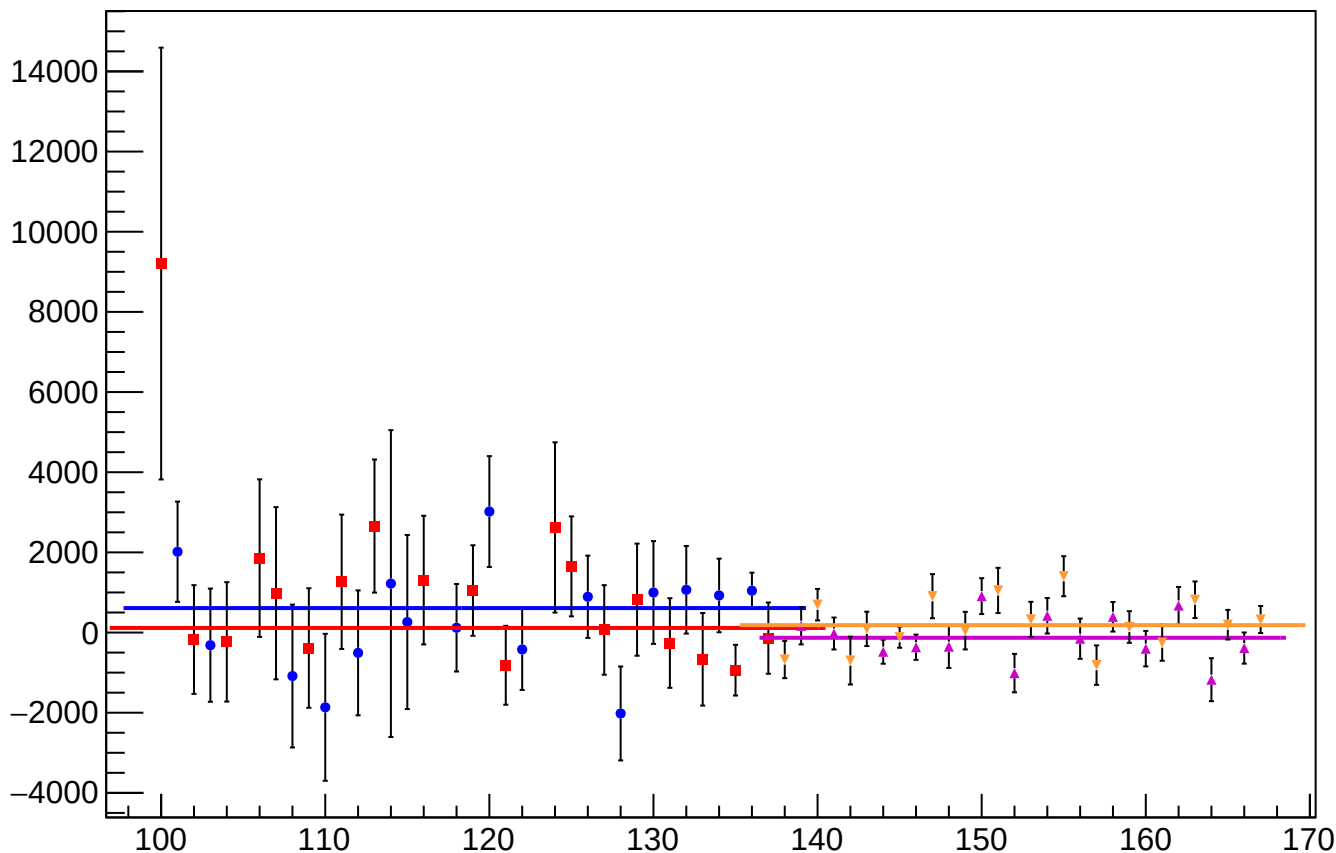
Left In: 56.364+/-0.012 χ^2/NDF : 311091.2/13

+ sign 59.820+/-0.010 χ^2/NDF : 1410539.5/31

All: 60.415+/-0.007 χ^2/NDF : 2958974.6/64

- sign 61.069+/-0.010 χ^2/NDF : 1540507.6/32

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: 184.324 $\pm$ 105.265 χ^2 /NDF:26.0/15

Right Out: 114.633 $\pm$ 284.312 χ^2 /NDF: 15.6/18

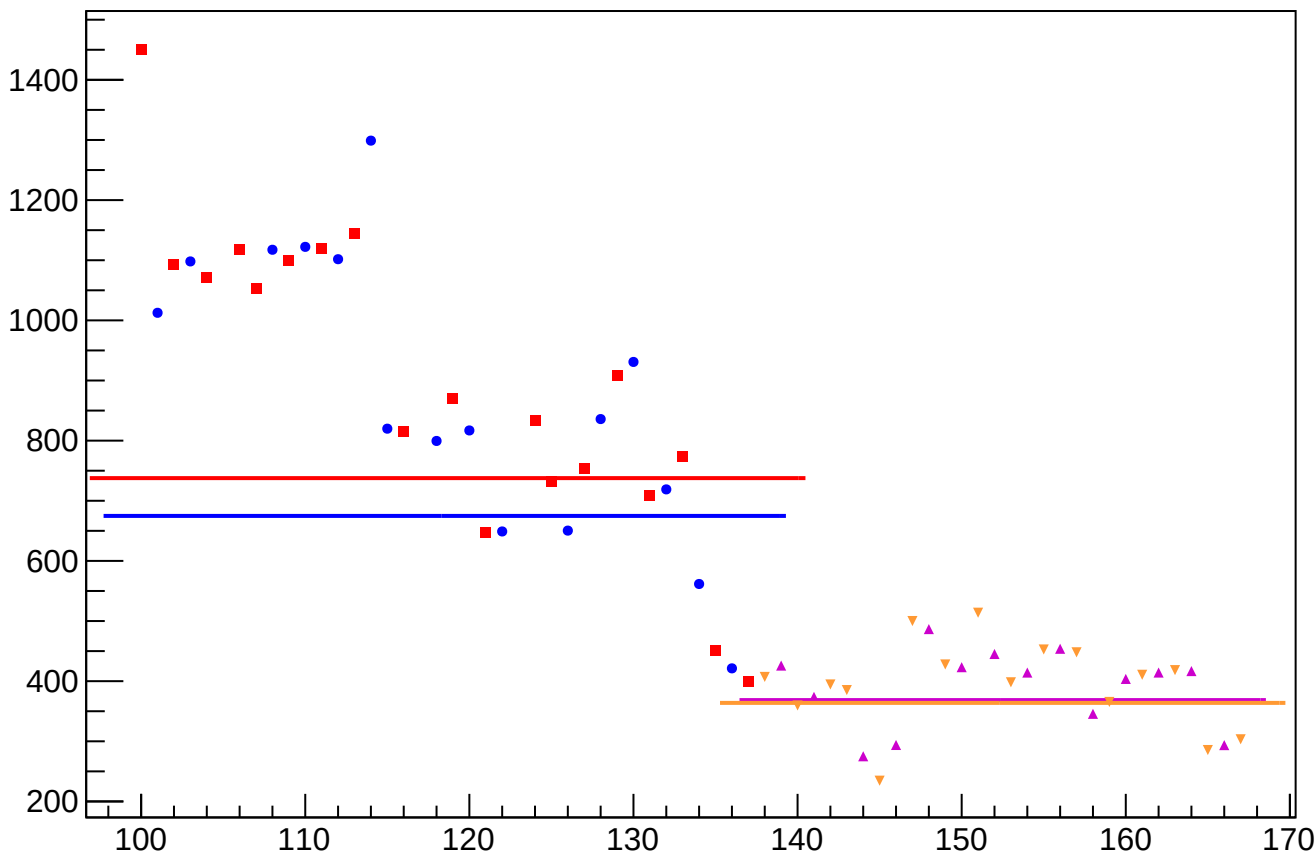
Left In: -130.690 $\pm$ 110.892 χ^2 /NDF:22.5/13

+ sign 241.737 $\pm$ 97.919 χ^2 /NDF: 43.9/31

All: 80.826 $\pm$ 71.069 χ^2 /NDF: 88.4/64

- sign -98.297 $\pm$ 103.312 χ^2 /NDF: 38.7/32

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF : 1617598.7/15

Left Out: 363.893+/-0.074 χ^2/NDF : 1148208.1/15

Right Out: 737.674+/-0.201 χ^2/NDF : 1516748.6/18

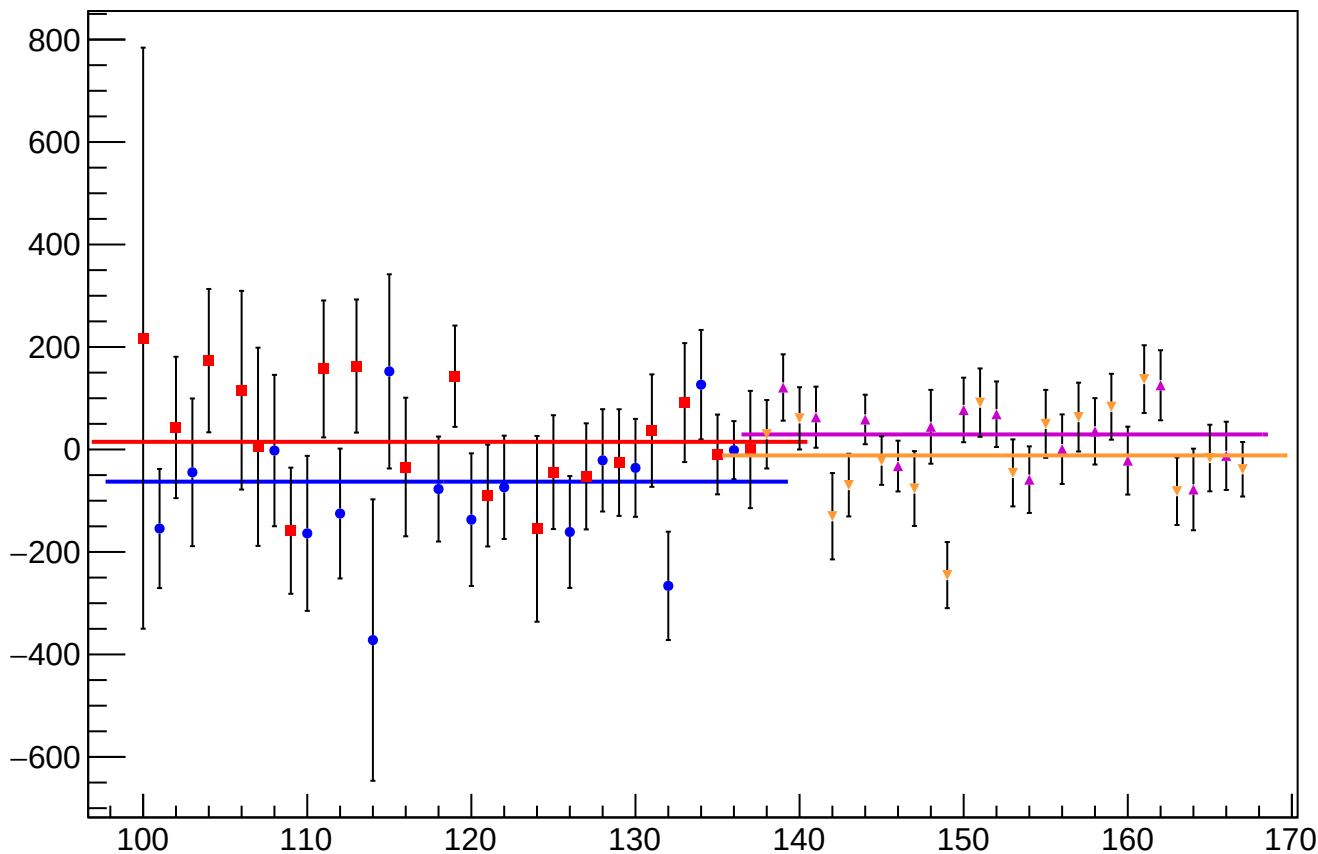
Left In: 368.541+/-0.078 χ^2/NDF : 726700.6/13

+ sign 405.775+/-0.069 χ^2/NDF : 5116338.1/31

All: 411.221+/-0.050 χ^2/NDF : 10299059.2/64

- sign 417.282+/-0.073 χ^2/NDF : 5169650.3/32

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: -11.590 ± 15.862 χ^2/NDF : 32.0/15

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

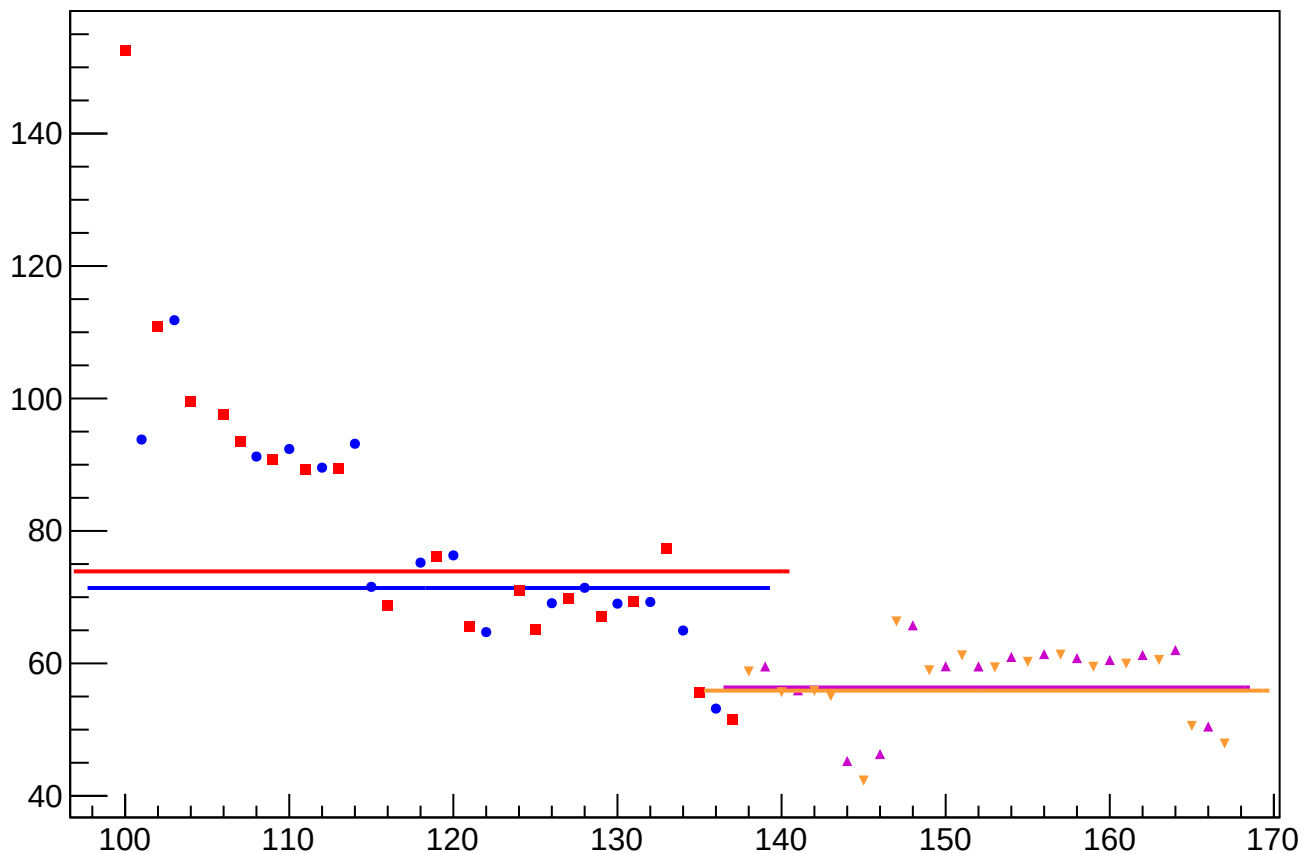
Left In: 29.358 ± 16.755 χ^2/NDF : 12.0/13

+ sign -24.574 ± 13.704 χ^2/NDF : 48.1/31

All: -0.680 ± 9.910 χ^2/NDF : 78.2/64

- sign 25.511 ± 14.348 χ^2/NDF : 23.6/32

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2 /NDF: 590911.7/15

Left Out: 55.891 $\pm$ 0.011 χ^2 /NDF: 335804.6/15

Right Out: 73.894 $\pm$ 0.020 χ^2 /NDF: 627014.3/18

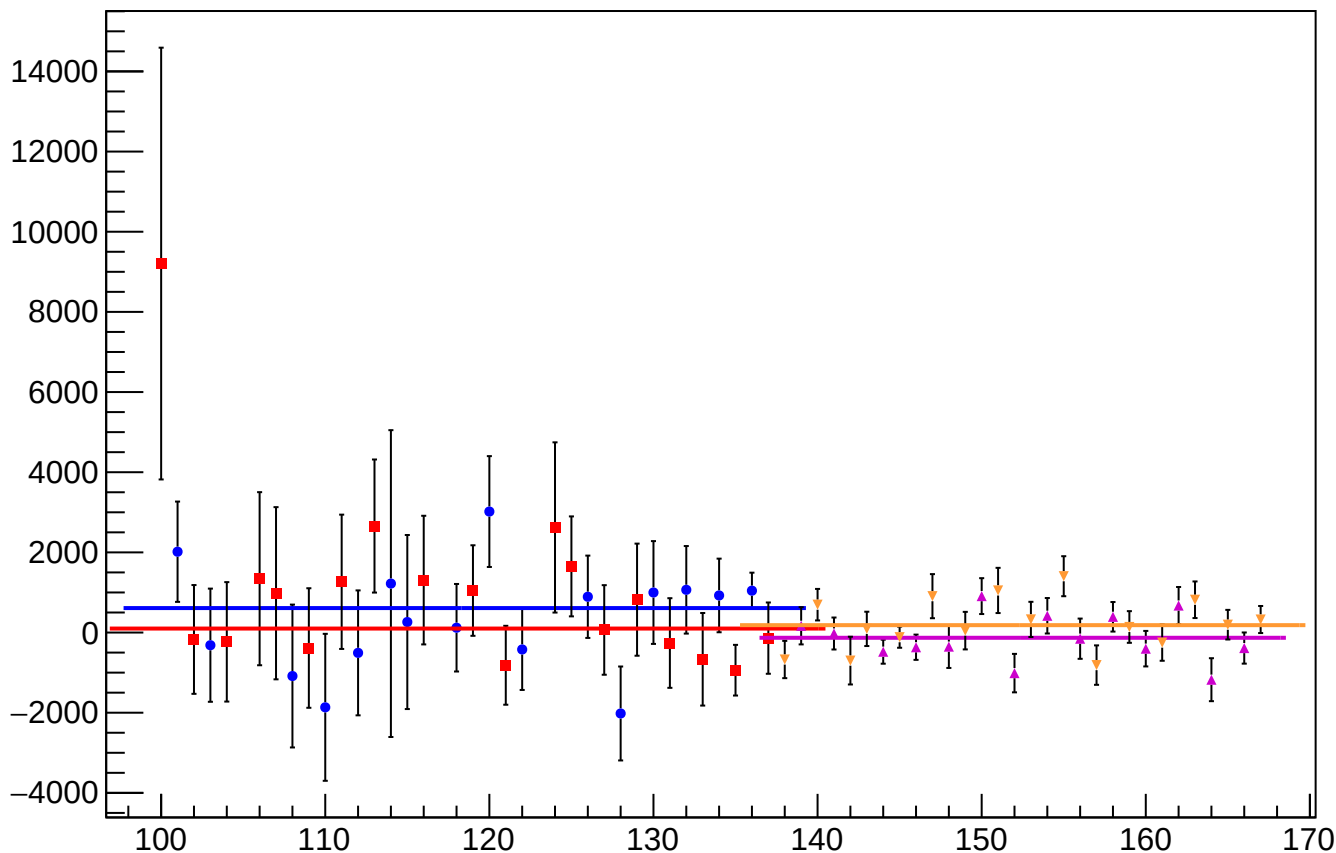
Left In: 56.364 $\pm$ 0.012 χ^2 /NDF: 311091.2/13

+ sign 59.820 $\pm$ 0.010 χ^2 /NDF: 1410542.1/31

All: 60.401 $\pm$ 0.007 χ^2 /NDF: 2940093.5/64

- sign 61.039 $\pm$ 0.010 χ^2 /NDF: 1521999.7/32

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549 ± 266.803 χ^2/NDF : 15.7/15

Left Out: 184.323 ± 105.265 χ^2/NDF : 26.0/15

Right Out: 99.555 ± 284.831 χ^2/NDF : 15.1/18

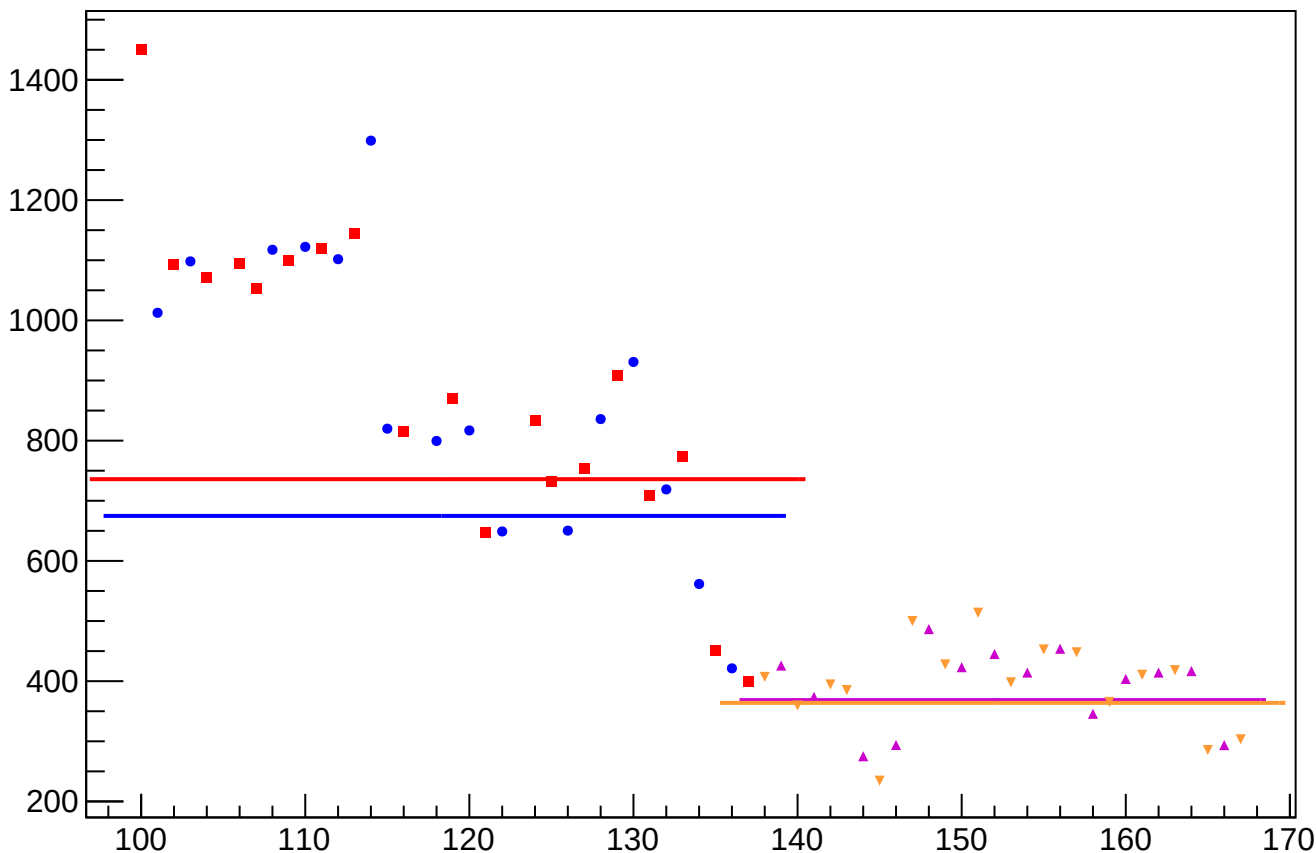
Left In: -130.686 ± 110.892 χ^2/NDF : 22.5/13

+ sign 241.734 ± 97.919 χ^2/NDF : 43.9/31

All: 79.879 ± 71.077 χ^2/NDF : 87.9/64

- sign -100.381 ± 103.337 χ^2/NDF : 38.2/32

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF : 1617624.1/15

Left Out: 363.893+/-0.074 χ^2/NDF : 1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

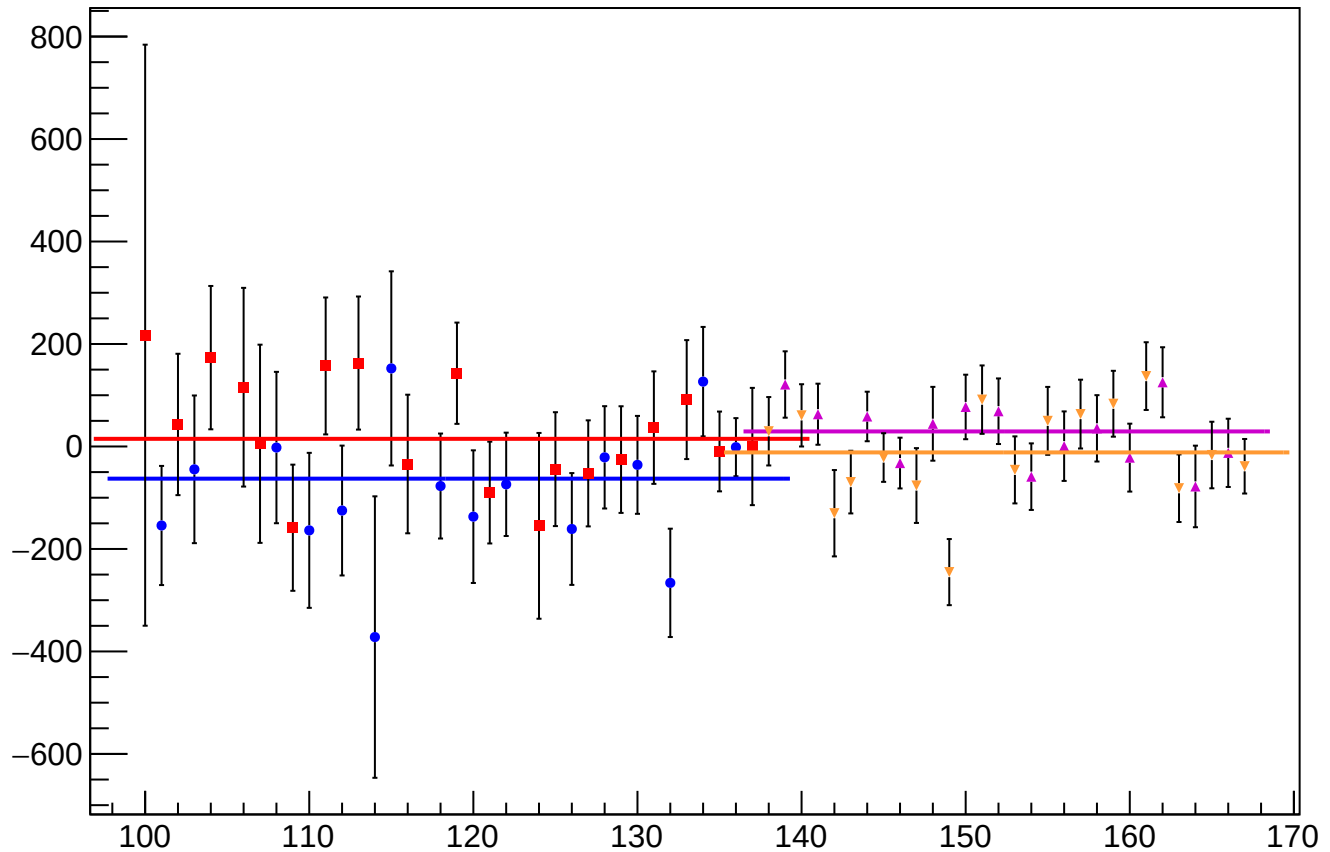
Left In: 368.541+/-0.078 χ^2/NDF : 726704.2/13

+ sign 405.775+/-0.069 χ^2/NDF : 5116368.3/31

All: 411.037+/-0.050 χ^2/NDF : 10241535.6/64

- sign 416.897+/-0.073 χ^2/NDF : 5112959.4/32

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: -11.590 ± 15.862 χ^2/NDF : 32.0/15

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

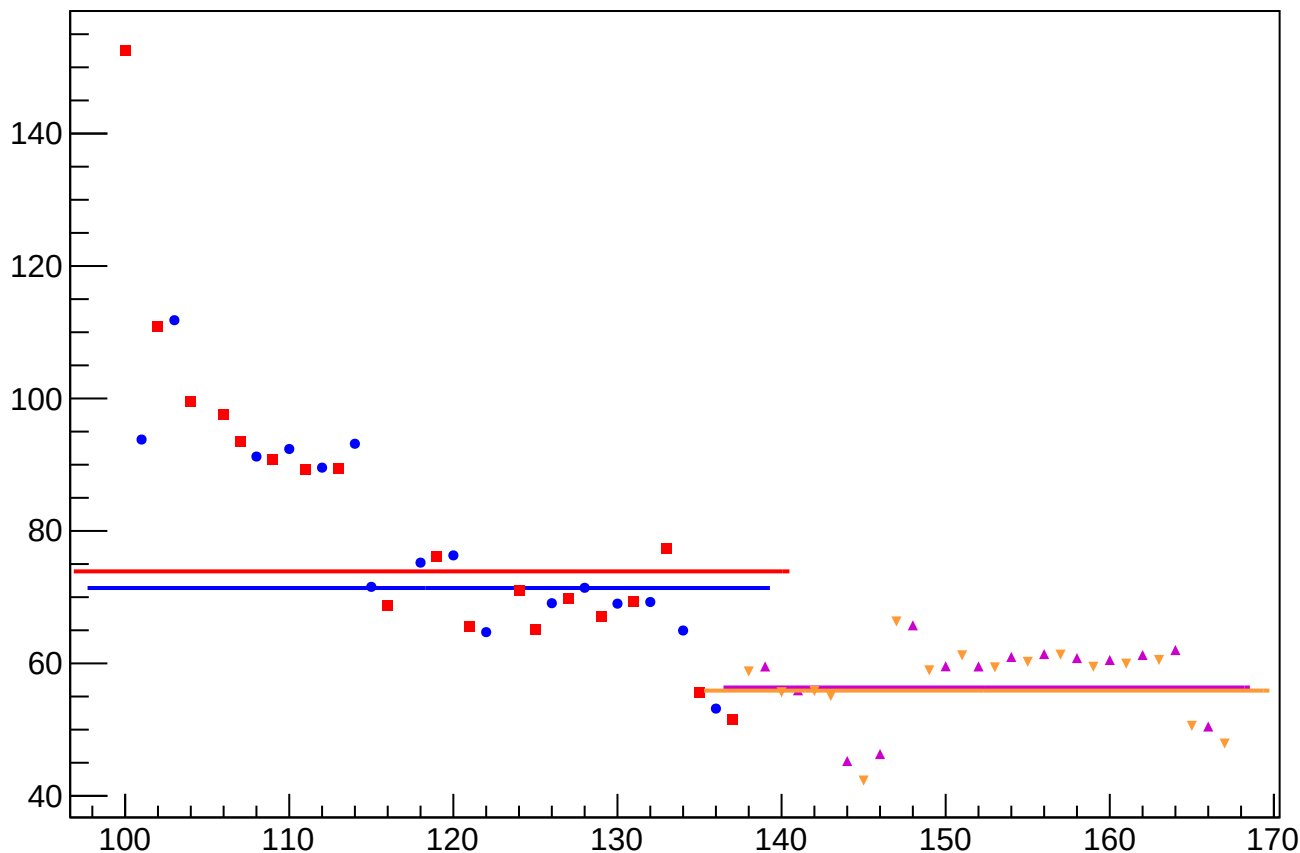
Left In: 29.358 ± 16.755 χ^2/NDF : 12.0/13

+ sign -24.574 ± 13.704 χ^2/NDF : 48.1/31

All: -0.680 ± 9.910 χ^2/NDF : 78.2/64

- sign 25.511 ± 14.348 χ^2/NDF : 23.6/32

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2 /NDF: 590911.7/15

Left Out: 55.891 $\pm$ 0.011 χ^2 /NDF: 335804.6/15

Right Out: 73.894 $\pm$ 0.020 χ^2 /NDF: 627014.3/18

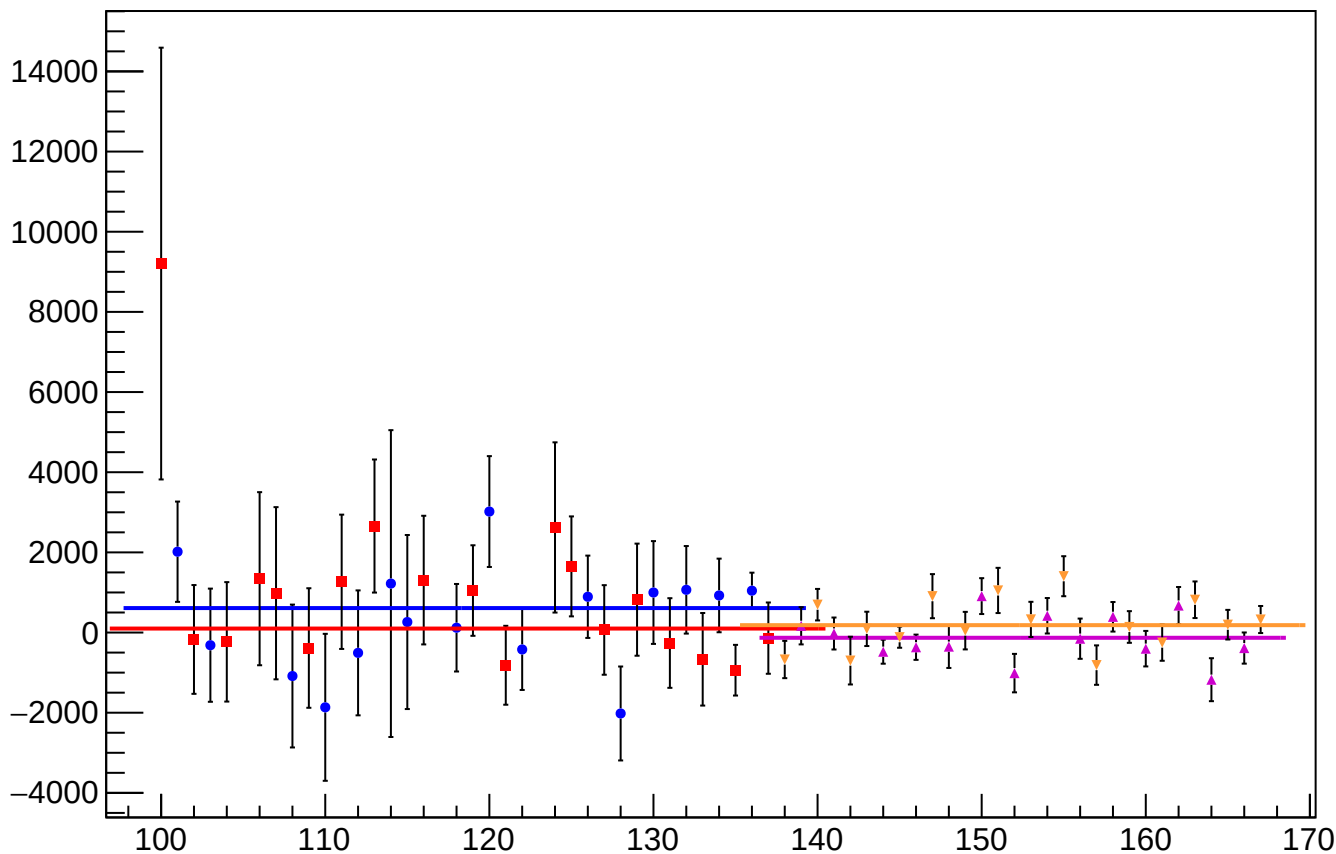
Left In: 56.364 $\pm$ 0.012 χ^2 /NDF: 311091.2/13

+ sign 59.820 $\pm$ 0.010 χ^2 /NDF: 1410542.1/31

All: 60.401 $\pm$ 0.007 χ^2 /NDF: 2940093.5/64

- sign 61.039 $\pm$ 0.010 χ^2 /NDF: 1521999.7/32

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: 184.323 $\pm$ 105.265 χ^2/NDF : 26.0/15

Right Out: 99.555 $\pm$ 284.831 χ^2/NDF : 15.1/18

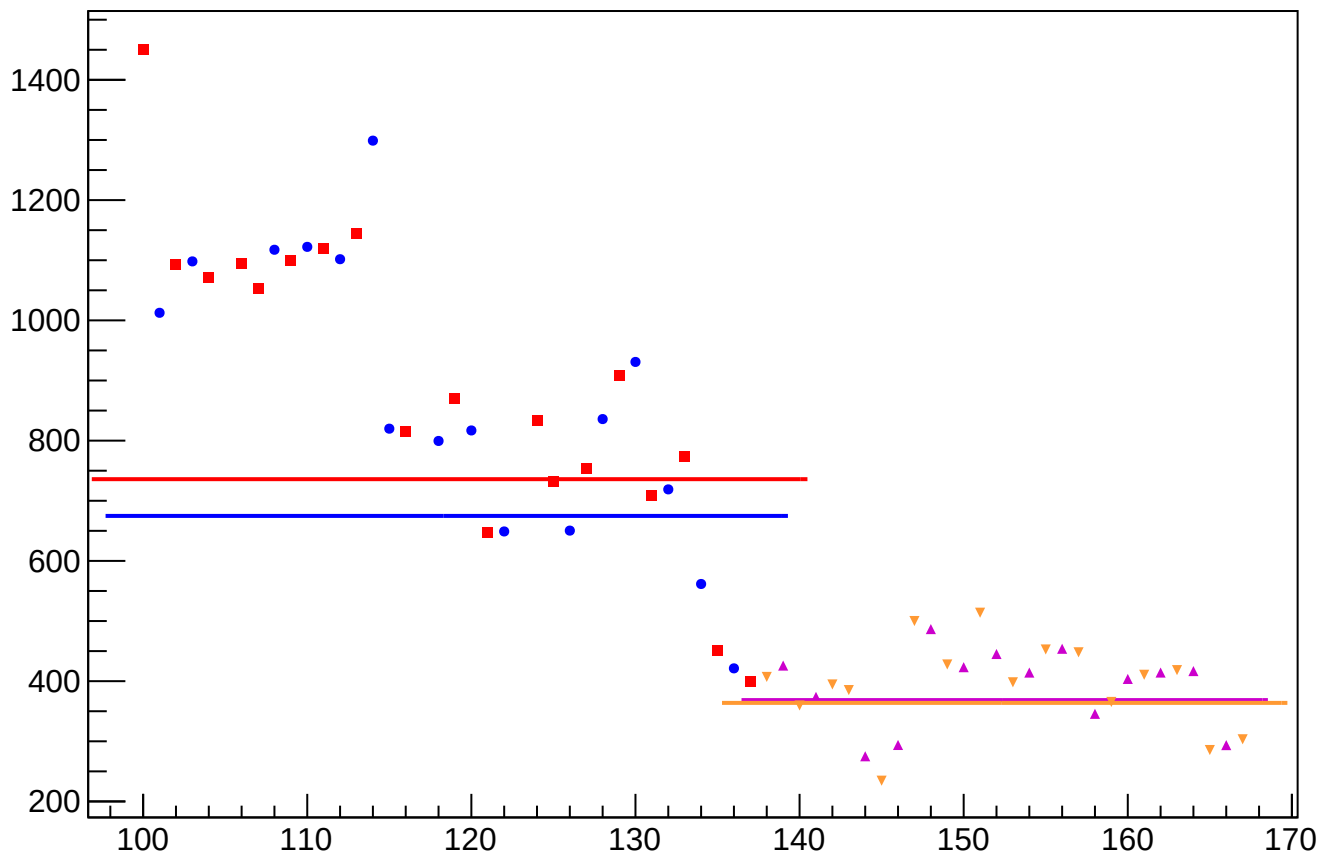
Left In: -130.686 $\pm$ 110.892 χ^2/NDF : 22.5/13

+ sign 241.734 $\pm$ 97.919 χ^2/NDF : 43.9/31

All: 79.879 $\pm$ 71.077 χ^2/NDF : 87.9/64

- sign -100.381 $\pm$ 103.337 χ^2/NDF : 38.2/32

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: 363.893+/-0.074 χ^2/NDF : 1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

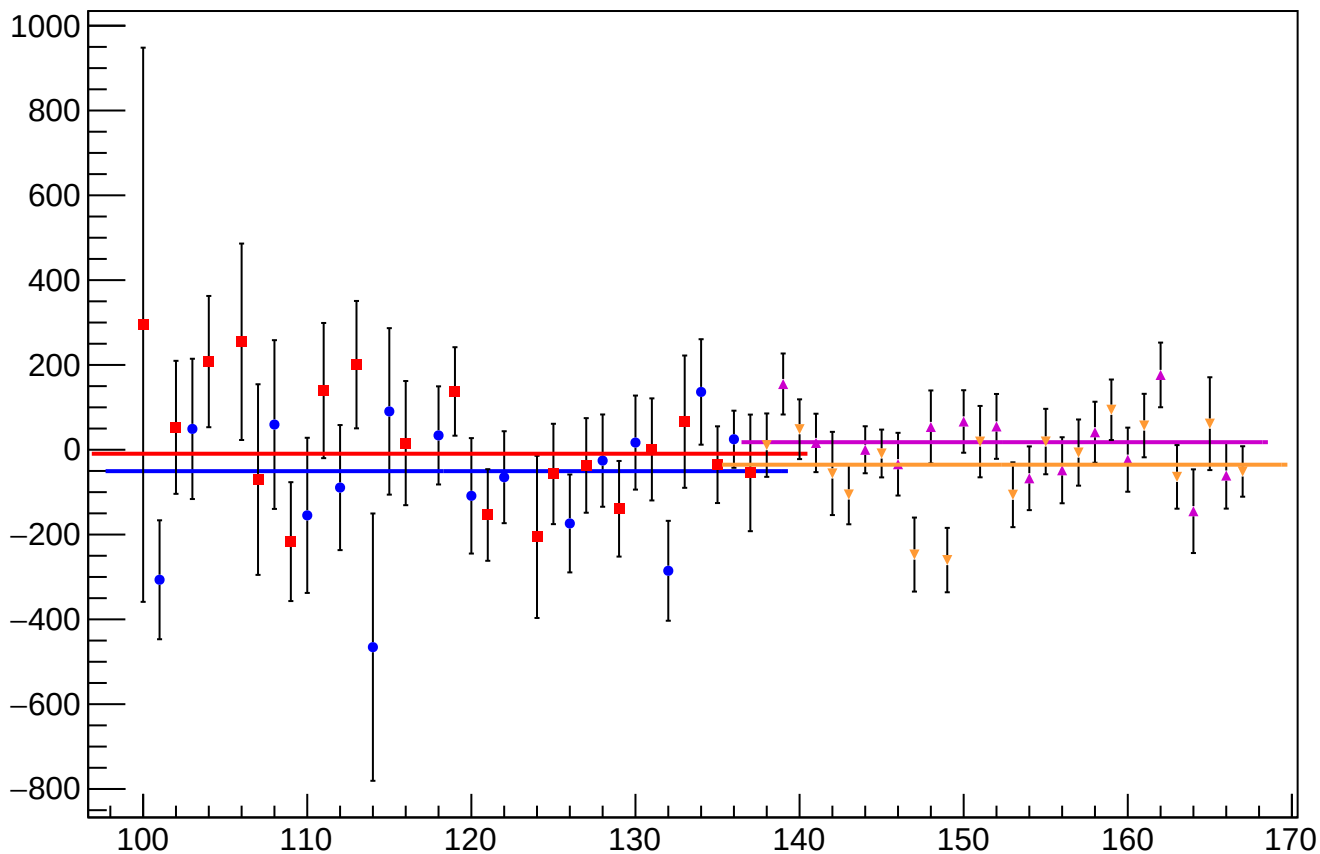
Left In: 368.541+/-0.078 χ^2/NDF : 726704.2/13

+ sign 405.775+/-0.069 χ^2/NDF : 5116368.3/31

All: 411.037+/-0.050 χ^2/NDF : 10241535.6/64

- sign 416.897+/-0.073 χ^2/NDF : 5112959.4/32

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465 ± 31.061 χ^2/NDF : 16.4/15

Left Out: -35.247 ± 18.668 χ^2/NDF : 25.5/15

Right Out: -9.380 ± 31.235 χ^2/NDF : 15.6/18

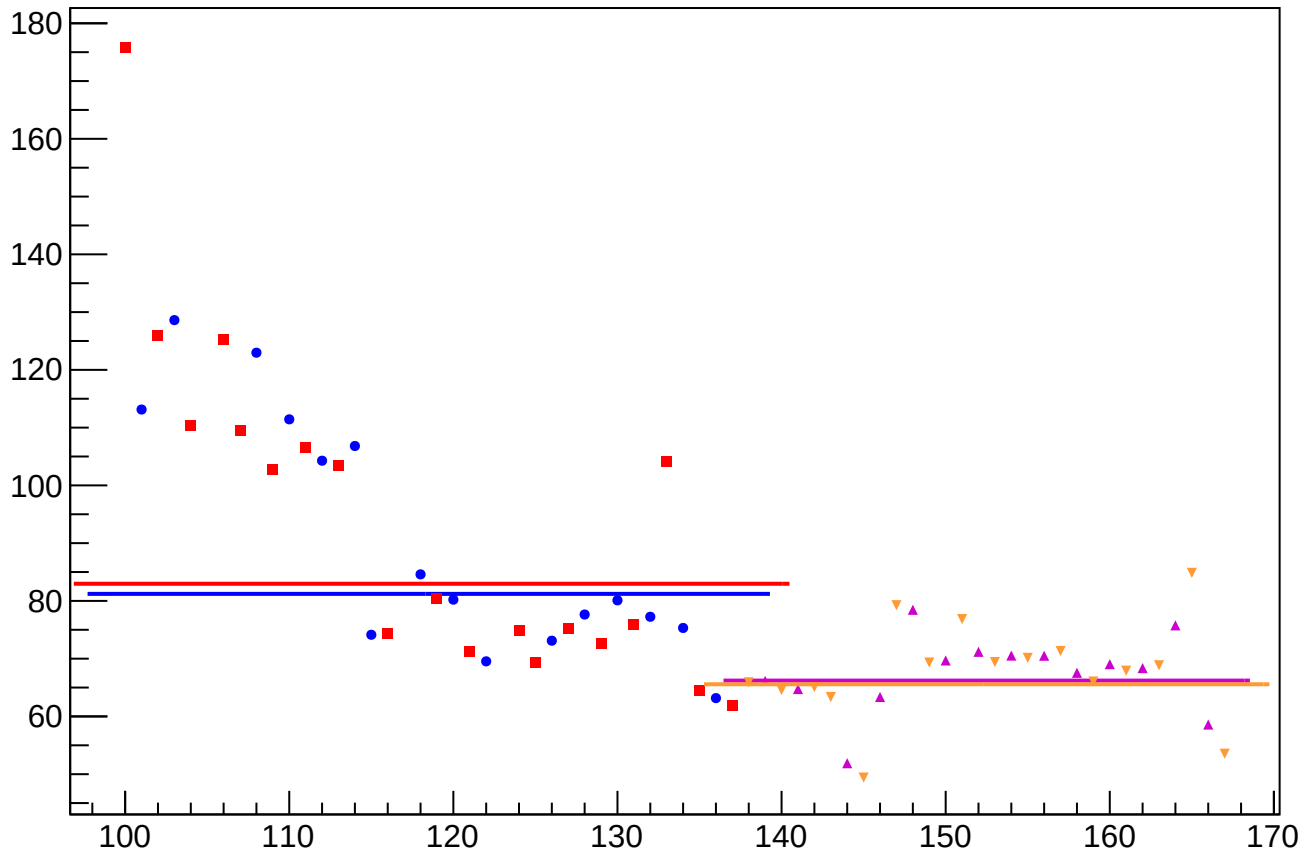
Left In: 17.840 ± 19.797 χ^2/NDF : 15.6/13

+ sign -39.285 ± 16.001 χ^2/NDF : 42.1/31

All: -15.709 ± 11.560 χ^2/NDF : 78.3/64

- sign 10.039 ± 16.721 χ^2/NDF : 31.7/32

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF : 662873.6/15

Left Out: 65.568+/-0.013 χ^2/NDF : 429563.1/15

Right Out: 82.971+/-0.022 χ^2/NDF : 730384.9/18

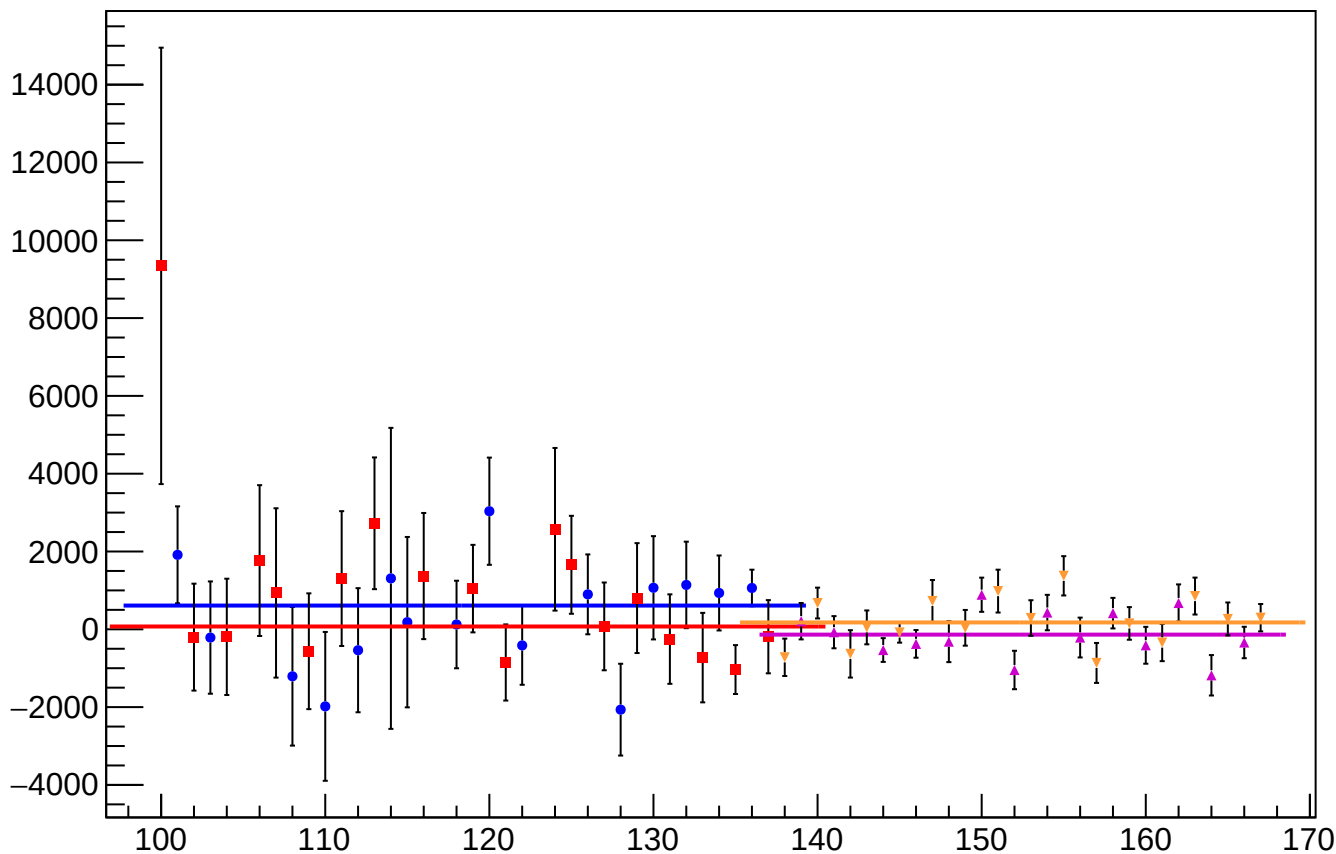
Left In: 66.204+/-0.014 χ^2/NDF : 246350.2/13

+ sign 69.721+/-0.011 χ^2/NDF : 1465420.0/31

All: 70.337+/-0.008 χ^2/NDF : 2859482.6/64

- sign 71.009+/-0.012 χ^2/NDF : 1387863.6/32

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383 $\pm$ 273.982 χ^2 /NDF: 15.8/15

Left Out: 176.650 $\pm$ 108.223 χ^2 /NDF:24.3/15

Right Out: 72.311 $\pm$ 286.830 χ^2 /NDF: 16.2/18

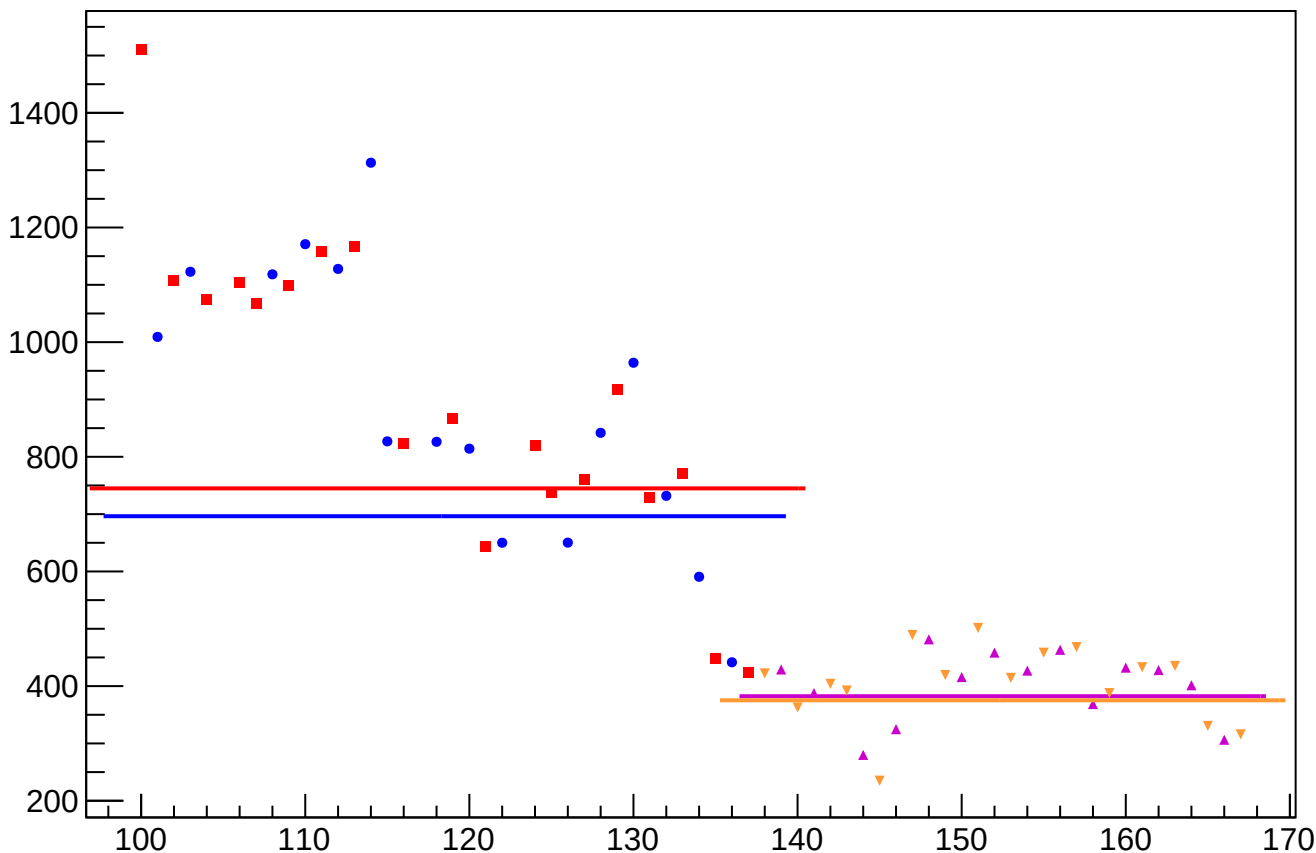
Left In: -136.873 $\pm$ 114.906 χ^2 /NDF:22.7/13

+ sign 235.189 $\pm$ 100.655 χ^2 /NDF: 42.3/31

All: 73.562 $\pm$ 73.206 χ^2 /NDF: 87.1/64

- sign -107.945 $\pm$ 106.666 χ^2 /NDF: 39.4/32

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371 $\pm$ 0.194 χ^2 /NDF: 1515478.0/15

Left Out: 375.207 $\pm$ 0.077 χ^2 /NDF:1089758.9/15

Right Out: 744.875 $\pm$ 0.203 χ^2 /NDF: 1498361.7/18

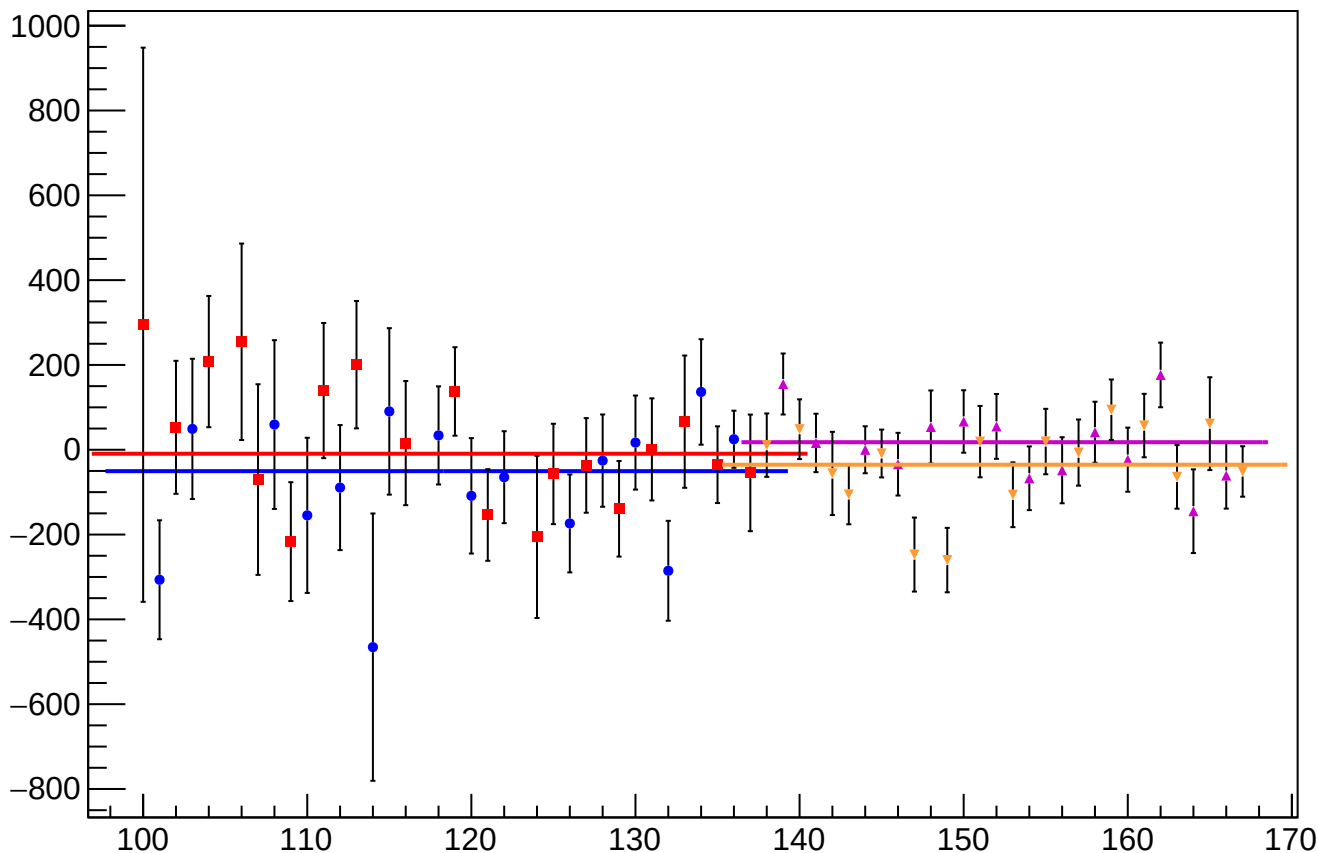
Left In: 382.358 $\pm$ 0.081 χ^2 /NDF:613022.3/13

+ sign 418.553 $\pm$ 0.071 χ^2 /NDF: 4982479.5/31

All: 425.118 $\pm$ 0.052 χ^2 /NDF: 9864870.4/64

- sign 432.491 $\pm$ 0.075 χ^2 /NDF: 4864326.6/32

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466 ± 31.061 χ^2/NDF : 16.4/15

Left Out: -35.246 ± 18.668 χ^2/NDF : 25.5/15

Right Out: -9.381 ± 31.235 χ^2/NDF : 15.6/18

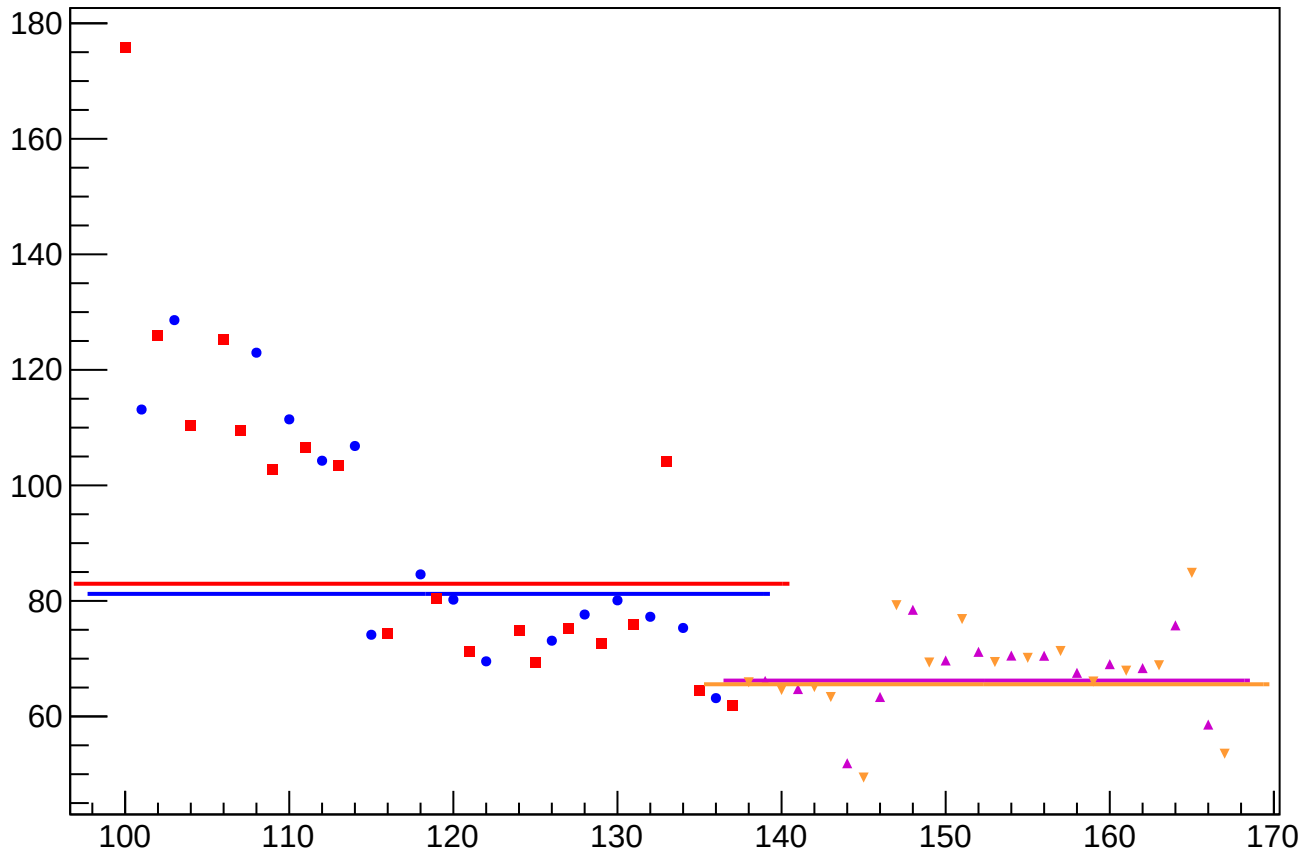
Left In: 17.838 ± 19.797 χ^2/NDF : 15.6/13

+ sign -39.285 ± 16.001 χ^2/NDF : 42.1/31

All: -15.709 ± 11.560 χ^2/NDF : 78.3/64

- sign 10.038 ± 16.721 χ^2/NDF : 31.7/32

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: 65.568 $\pm$ 0.013 χ^2 /NDF: 429562.9/15

Right Out: 82.971 $\pm$ 0.022 χ^2 /NDF: 730375.6/18

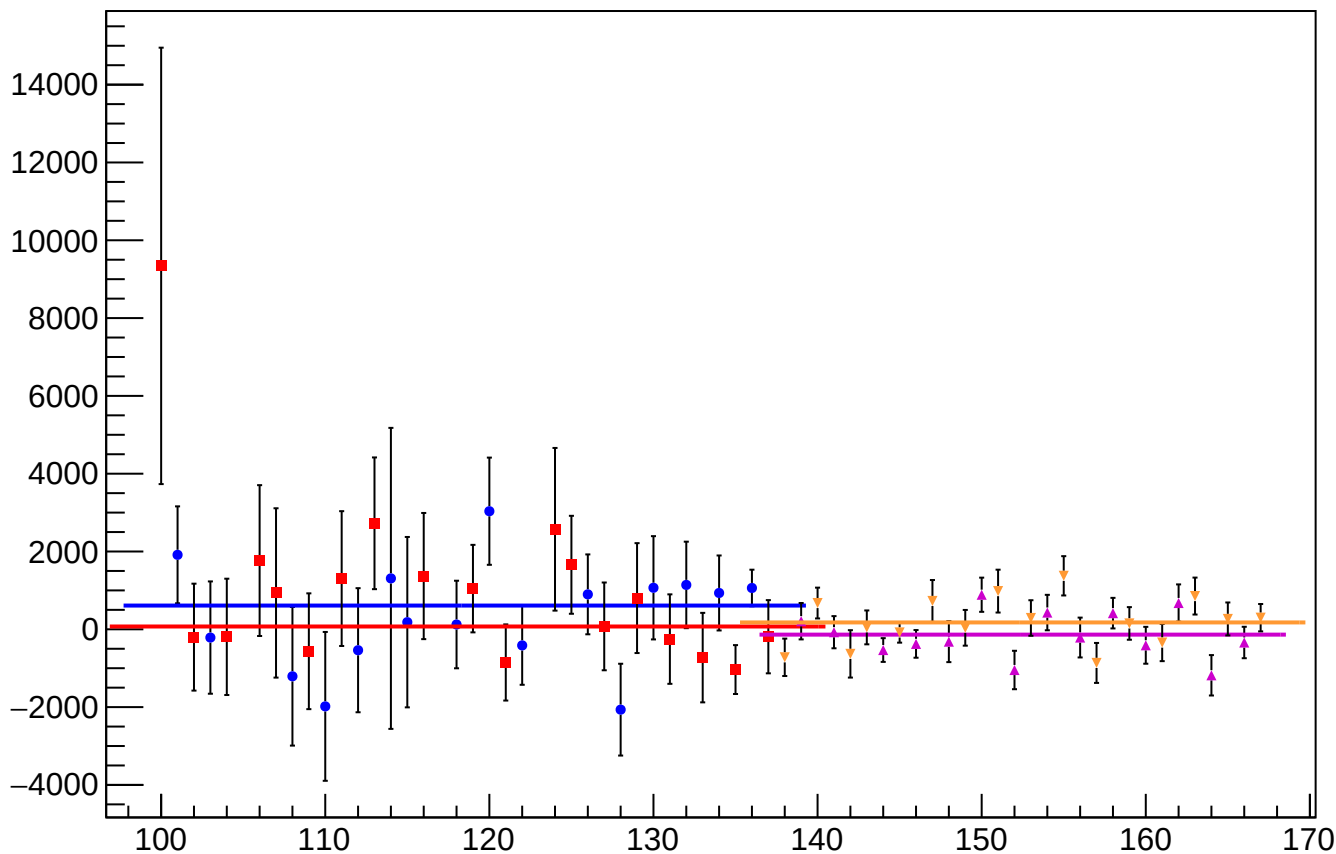
Left In: 66.205 $\pm$ 0.014 χ^2 /NDF: 246349.5/13

+ sign 69.721 $\pm$ 0.011 χ^2 /NDF: 1465383.2/31

All: 70.337 $\pm$ 0.008 χ^2 /NDF: 2859417.2/64

- sign 71.009 $\pm$ 0.012 χ^2 /NDF: 1387834.5/32

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382 ± 273.981 $\chi^2/\text{NDF}: 15.8/15$

Left Out: 176.650 ± 108.223 $\chi^2/\text{NDF}: 24.3/15$

Right Out: 72.313 ± 286.830 $\chi^2/\text{NDF}: 16.2/18$

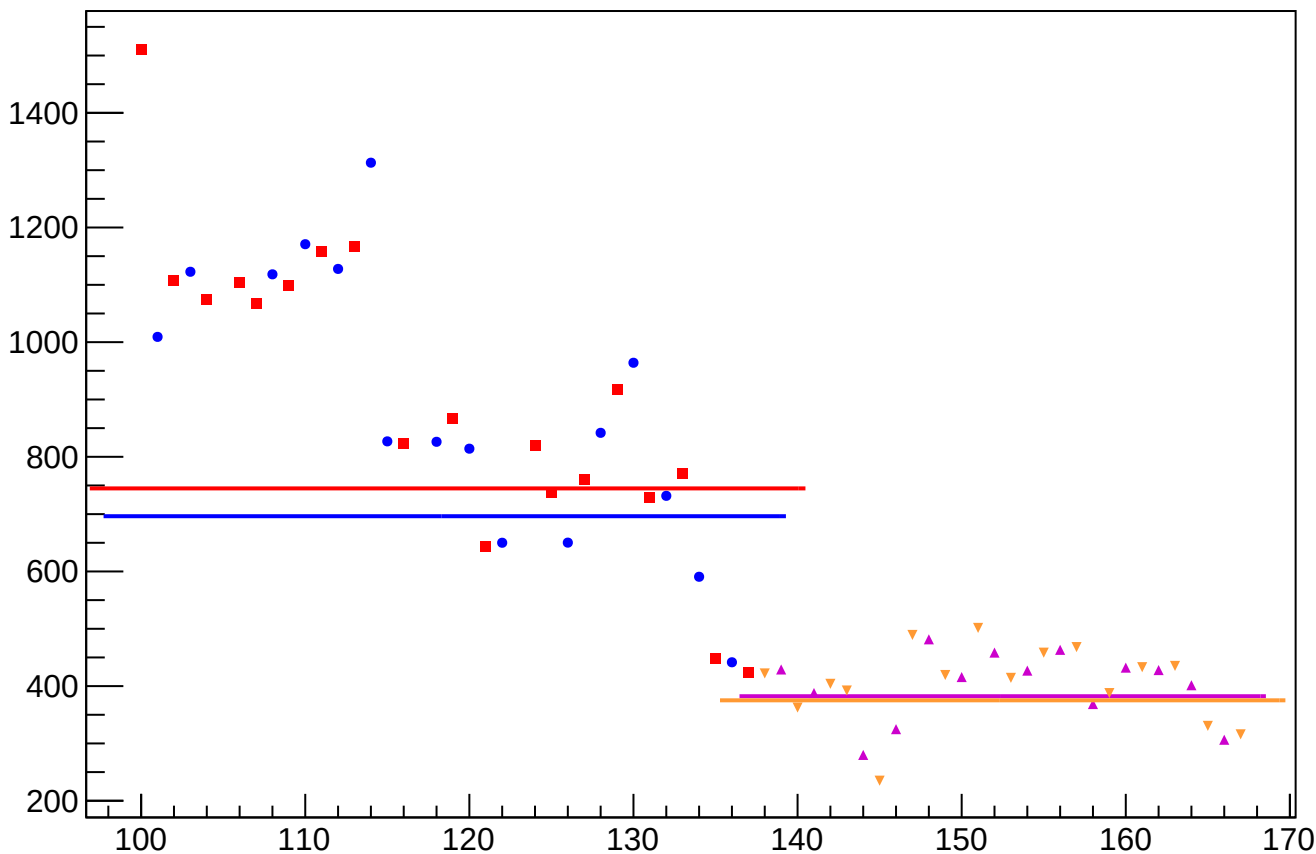
Left In: -136.873 ± 114.907 $\chi^2/\text{NDF}: 22.7/13$

+ sign 235.189 ± 100.655 $\chi^2/\text{NDF}: 42.3/31$

All: 73.563 ± 73.206 $\chi^2/\text{NDF}: 87.1/64$

- sign -107.944 ± 106.666 $\chi^2/\text{NDF}: 39.4/32$

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 696.370+/-0.194 χ^2/NDF : 1515461.8/15

Left Out: 375.207+/-0.077 χ^2/NDF : 1089779.7/15

Right Out: 744.874+/-0.203 χ^2/NDF : 1498349.6/18

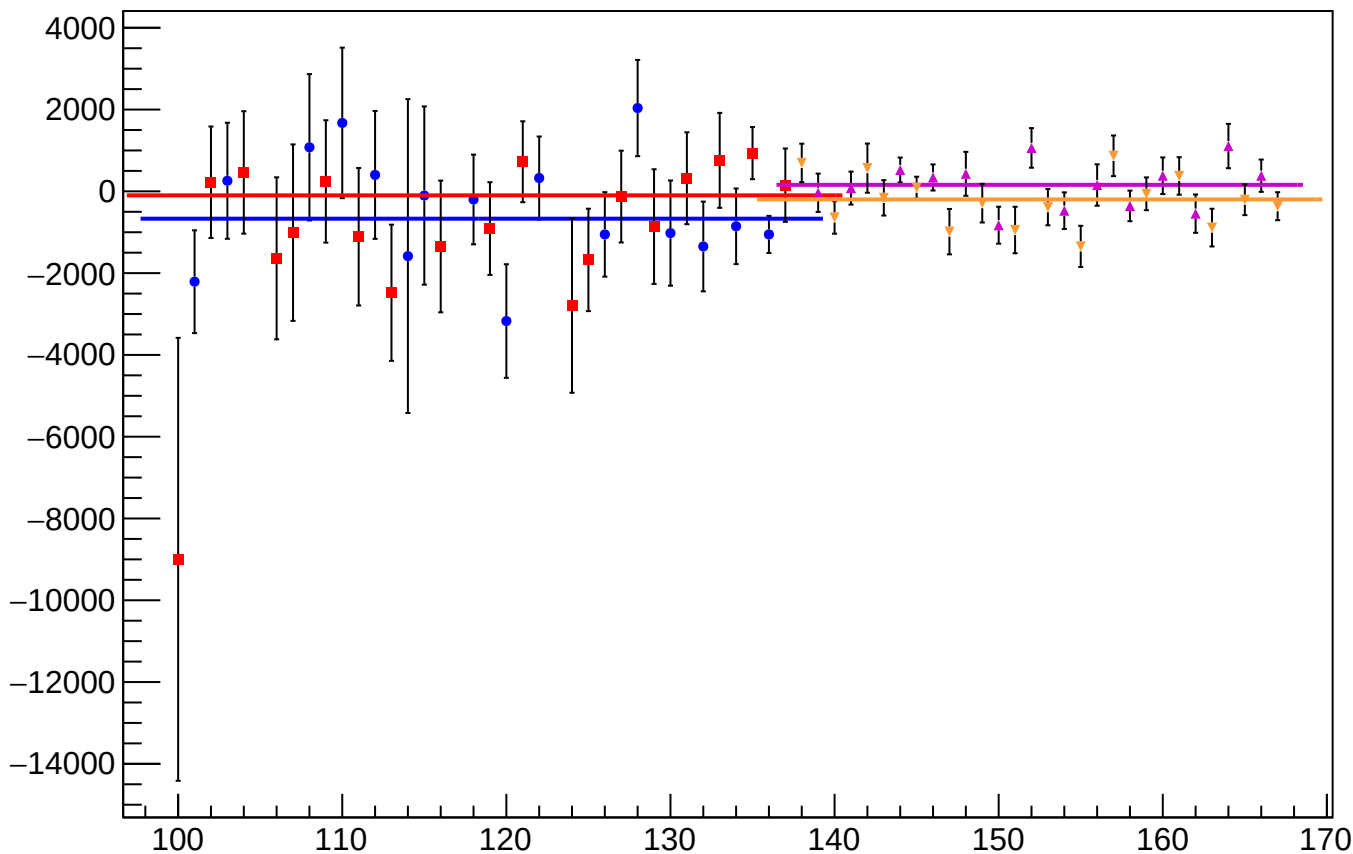
Left In: 382.358+/-0.081 χ^2/NDF : 613031.4/13

+ sign 418.553+/-0.071 χ^2/NDF : 4982479.2/31

All: 425.118+/-0.052 χ^2/NDF : 9864858.0/64

- sign 432.491+/-0.075 χ^2/NDF : 4864314.2/32

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503 $\pm$ 268.452 χ^2/NDF : 16.1/15

Left Out: -197.422 $\pm$ 106.532 χ^2/NDF : 25.5/15

Right Out: -98.003 $\pm$ 285.882 χ^2/NDF : 14.8/18

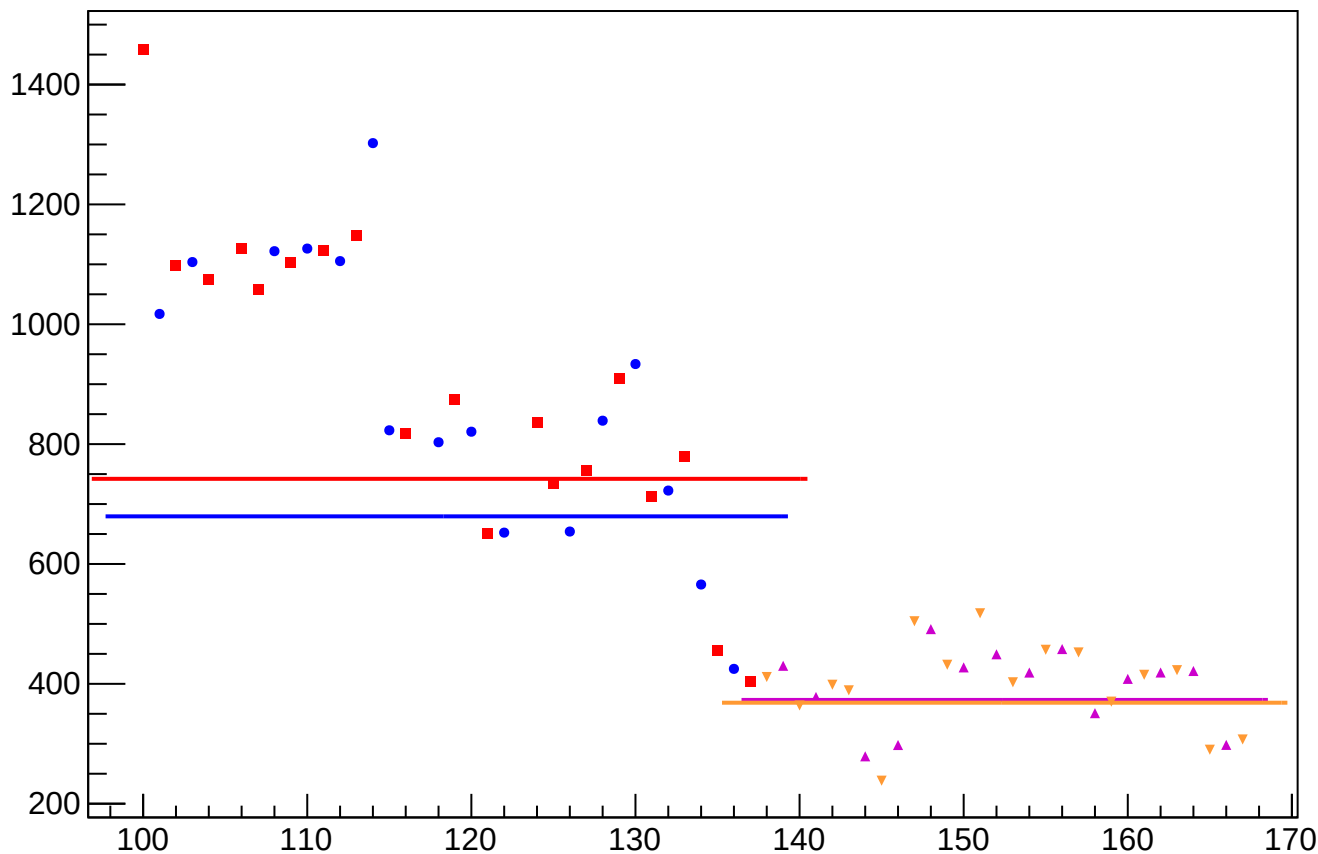
Left In: 159.127 $\pm$ 112.227 χ^2/NDF : 20.3/13

+ sign -261.515 $\pm$ 99.020 χ^2/NDF : 44.3/31

All: -78.692 $\pm$ 71.866 χ^2/NDF : 87.3/64

- sign 124.792 $\pm$ 104.466 χ^2/NDF : 35.8/32

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF : 1600922.1/15

Left Out: 368.512+/-0.075 χ^2/NDF : 1121940.4/15

Right Out: 742.081+/-0.202 χ^2/NDF : 1504391.2/18

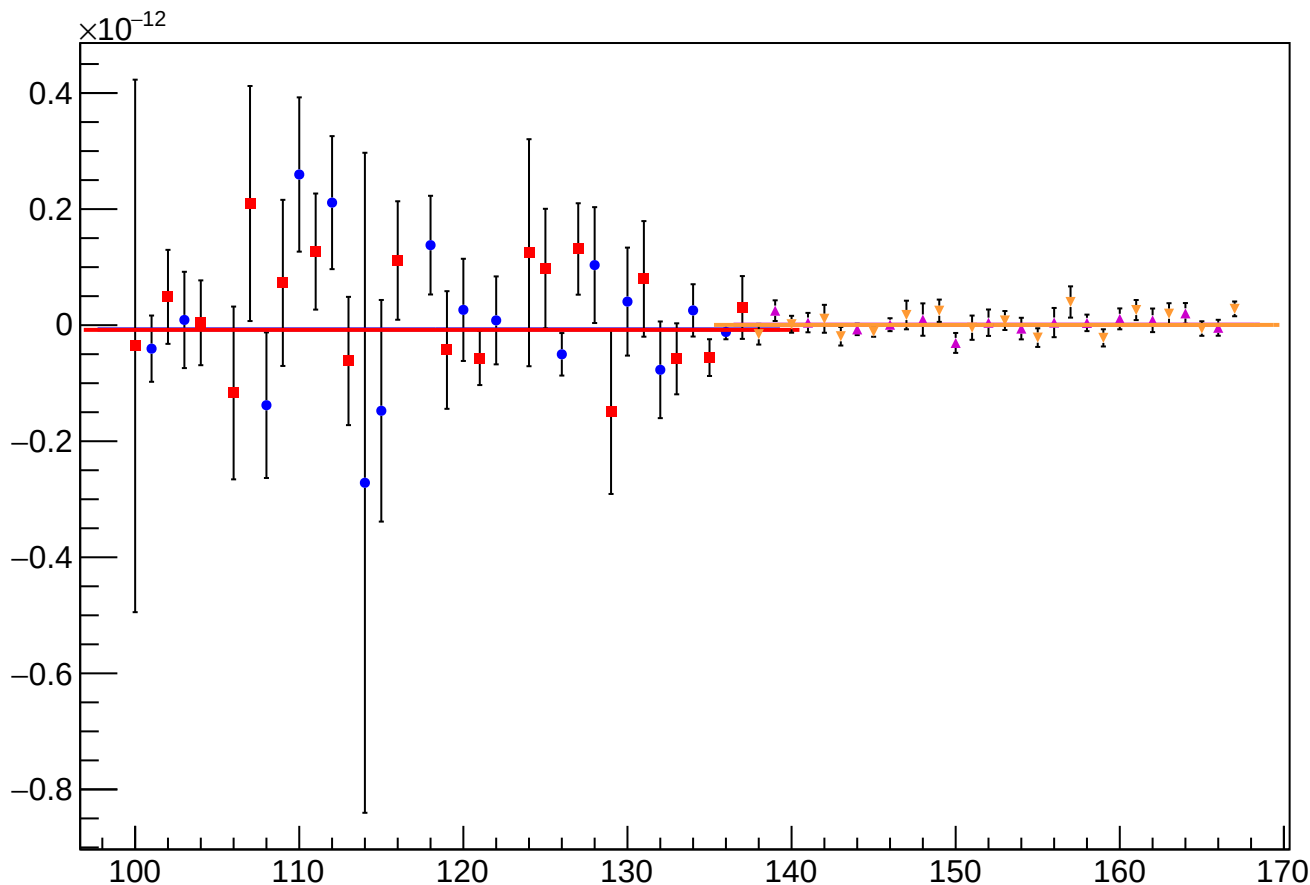
Left In: 373.150+/-0.079 χ^2/NDF : 711655.0/13

+ sign 410.819+/-0.070 χ^2/NDF : 5041232.1/31

All: 416.306+/-0.051 χ^2/NDF : 10156287.6/64

- sign 422.413+/-0.074 χ^2/NDF : 5102078.8/32

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 : 21.2/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.0/18

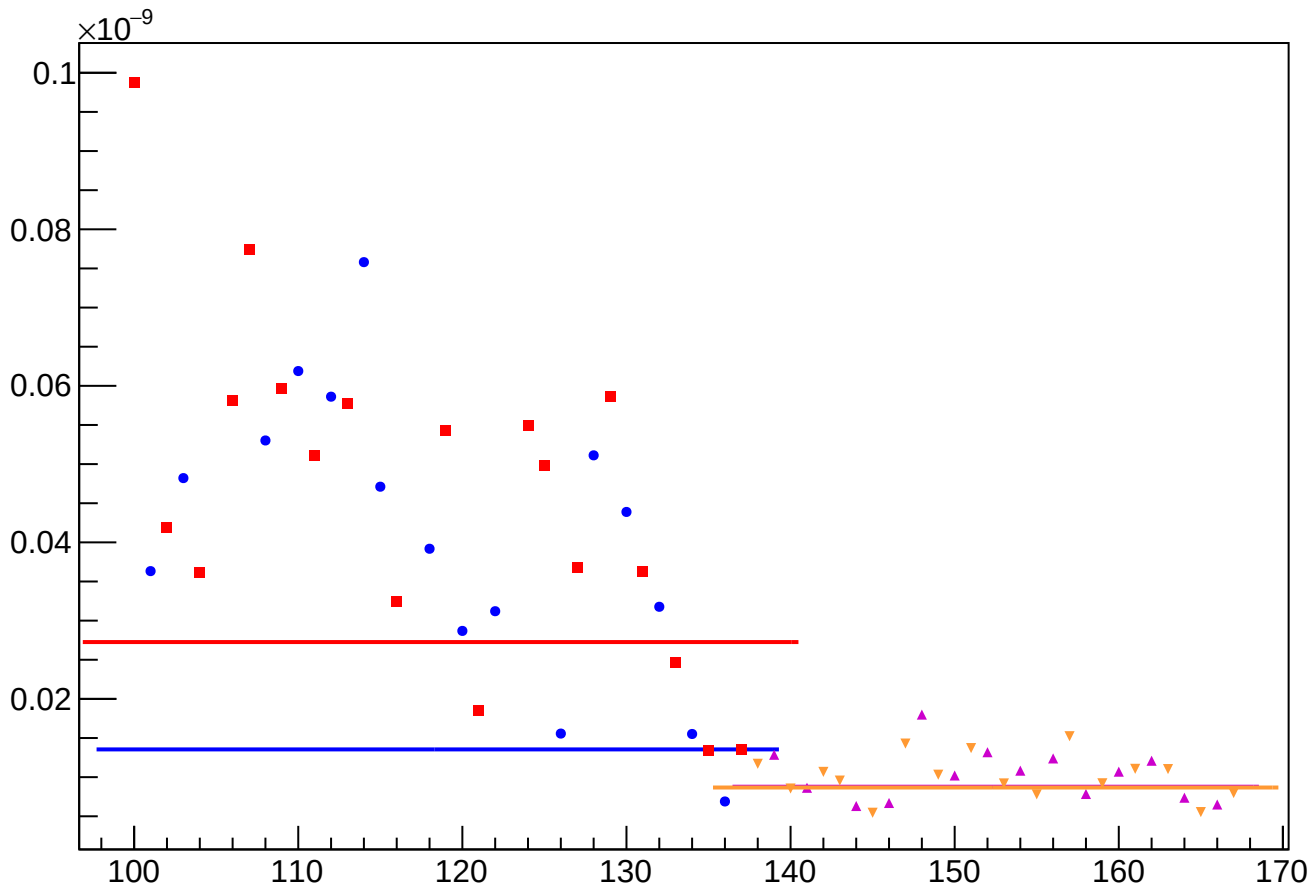
Left In: 0.000 ± 0.000 χ^2/NDF : 8.0/13

+ sign -0.000 ± 0.000 χ^2/NDF : 38.9/31

All: -0.000 ± 0.000 χ^2/NDF : 64.2/64

- sign 0.000 ± 0.000 χ^2/NDF : 25.3/32

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 :914263.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1735739.6/18

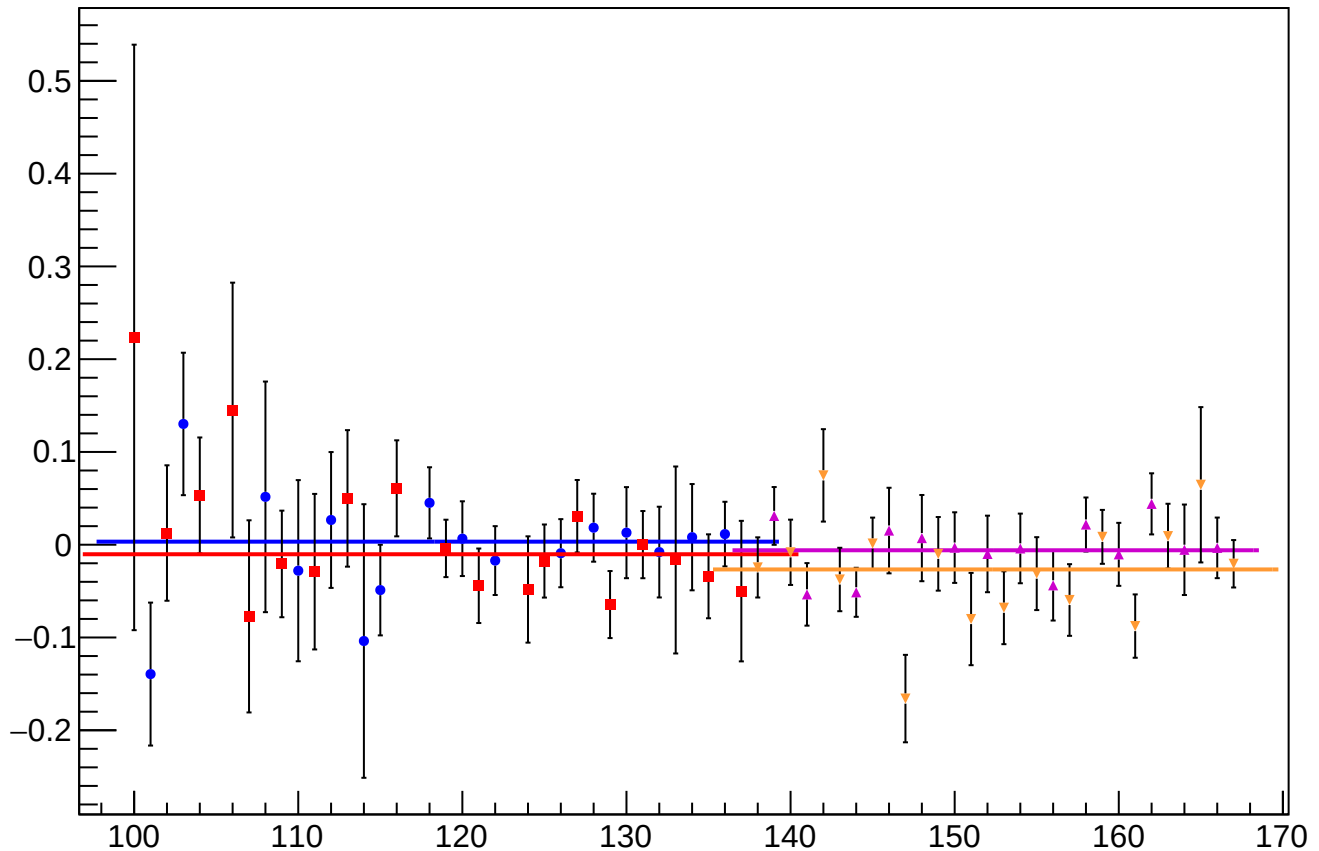
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :824682.4/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4340016.0/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9069540.1/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4708836.7/32

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 $\chi^2/\text{NDF}: 10.1/15$

Left Out: -0.027 ± 0.009 $\chi^2/\text{NDF}: 24.4/15$

Right Out: -0.010 ± 0.012 $\chi^2/\text{NDF}: 11.2/18$

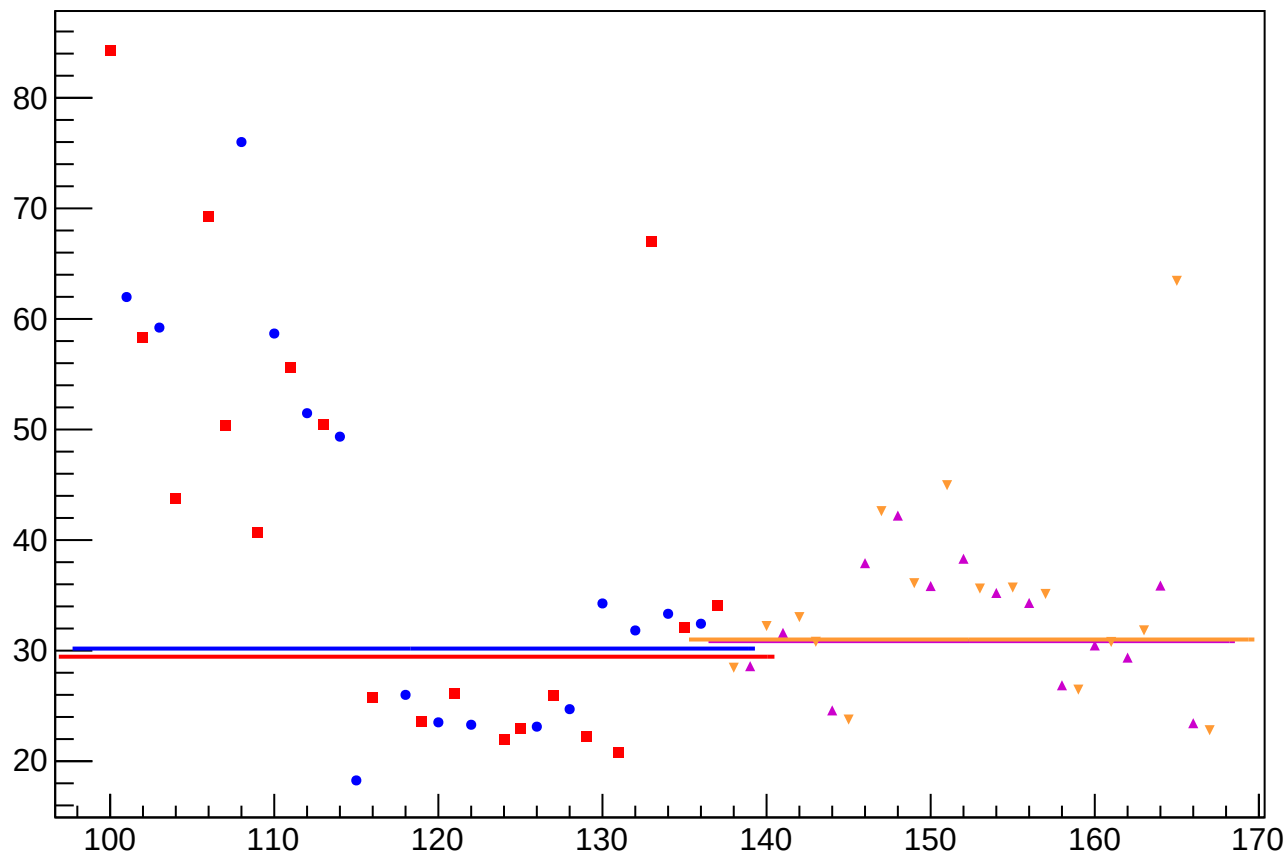
Left In: -0.006 ± 0.009 $\chi^2/\text{NDF}: 10.9/13$

+ sign -0.016 ± 0.007 $\chi^2/\text{NDF}: 38.4/31$

All: -0.012 ± 0.005 $\chi^2/\text{NDF}: 61.2/64$

- sign -0.008 ± 0.007 $\chi^2/\text{NDF}: 22.2/32$

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: 31.006 $\pm$ 0.006 χ^2 /NDF:1099291.6/15

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848636.5/18

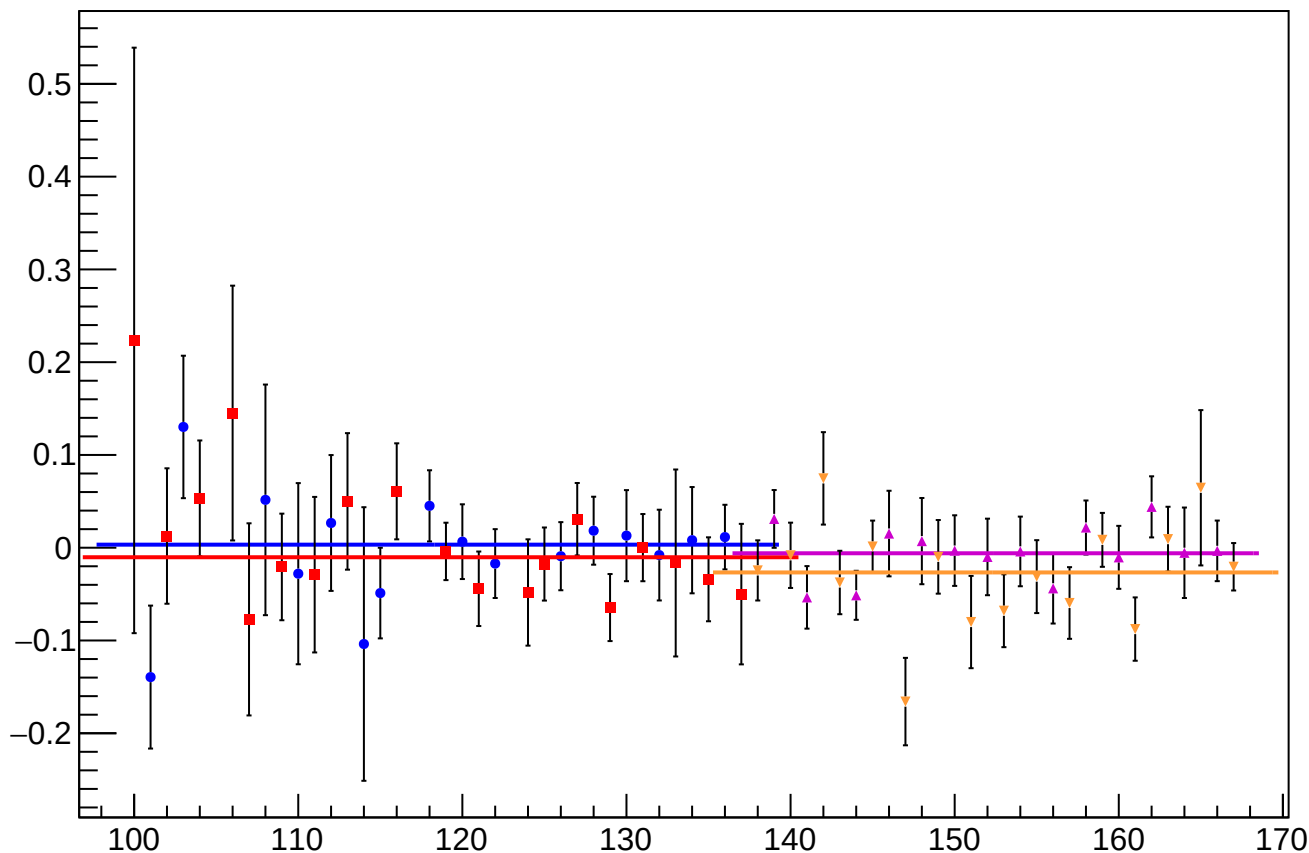
Left In: 30.858 $\pm$ 0.007 χ^2 /NDF:599593.9/13

+ sign 30.719 $\pm$ 0.005 χ^2 /NDF: 2792453.5/31

All: 30.518 $\pm$ 0.004 χ^2 /NDF: 5261128.6/64

- sign 30.312 $\pm$ 0.005 χ^2 /NDF: 2465579.4/32

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 χ^2/NDF : 10.1/15

Left Out: -0.027 ± 0.009 χ^2/NDF : 24.4/15

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

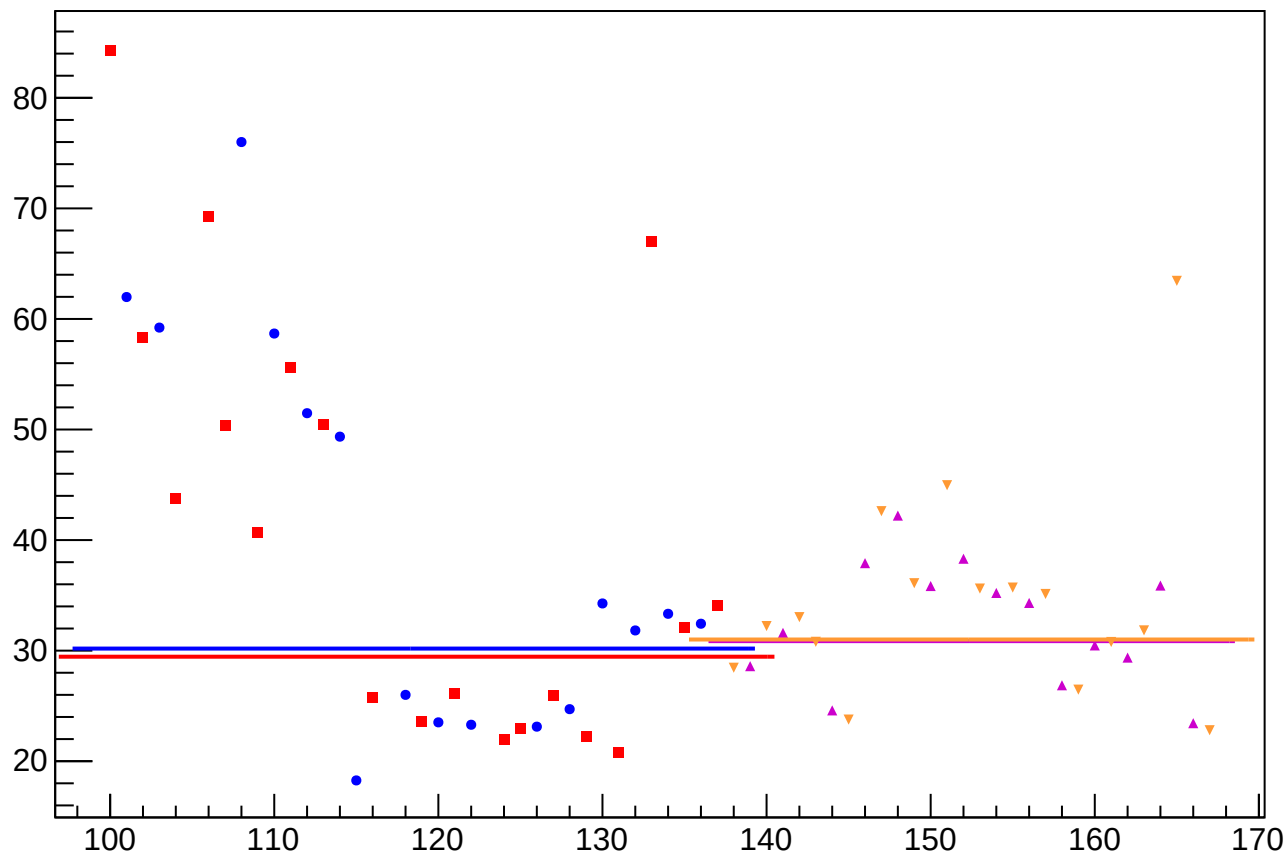
Left In: -0.006 ± 0.009 χ^2/NDF : 10.9/13

+ sign -0.016 ± 0.007 χ^2/NDF : 38.4/31

All: -0.012 ± 0.005 χ^2/NDF : 61.2/64

- sign -0.008 ± 0.007 χ^2/NDF : 22.2/32

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: 31.006+/-0.006 χ^2/NDF : 1099291.6/15

Right Out: 29.451+/-0.008 χ^2/NDF : 1848636.5/18

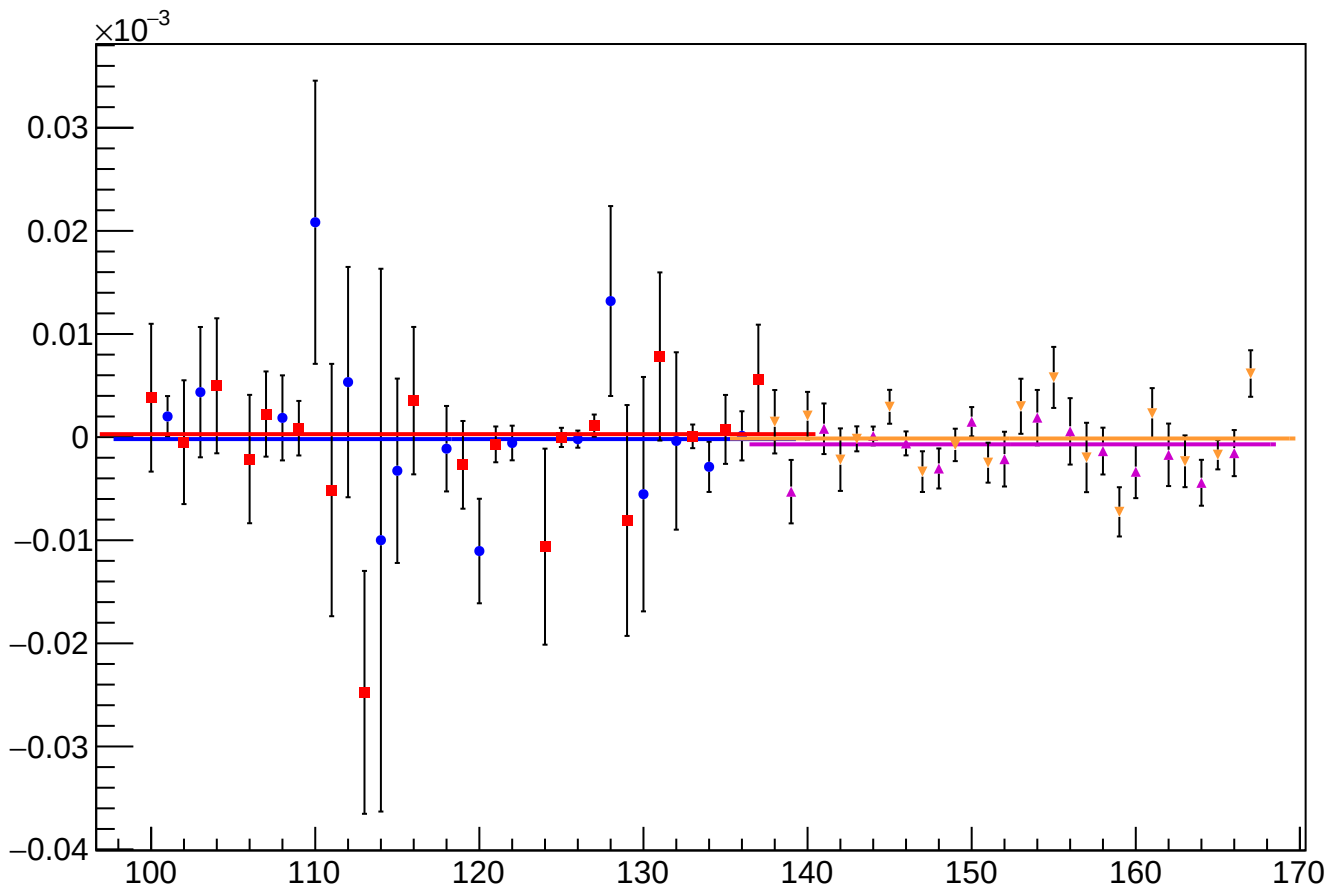
Left In: 30.858+/-0.007 χ^2/NDF : 599593.9/13

+ sign 30.719+/-0.005 χ^2/NDF : 2792453.5/31

All: 30.518+/-0.004 χ^2/NDF : 5261128.6/64

- sign 30.312+/-0.005 χ^2/NDF : 2465579.4/32

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.4/18

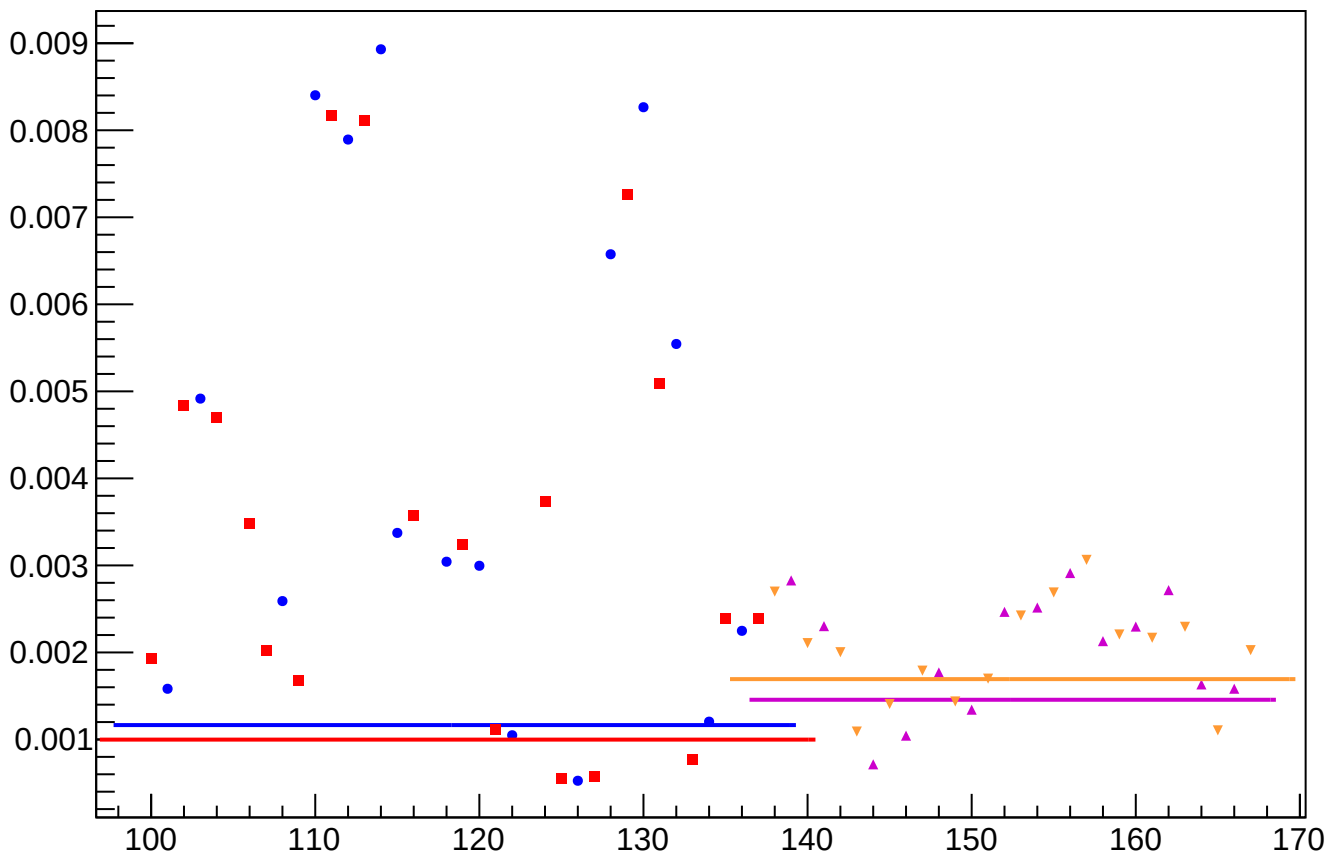
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.8/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 74.1/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/32

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 : 2290046.6/15

Right Out: 0.001+/-0.000 χ^2/NDF : 6937197.5/18

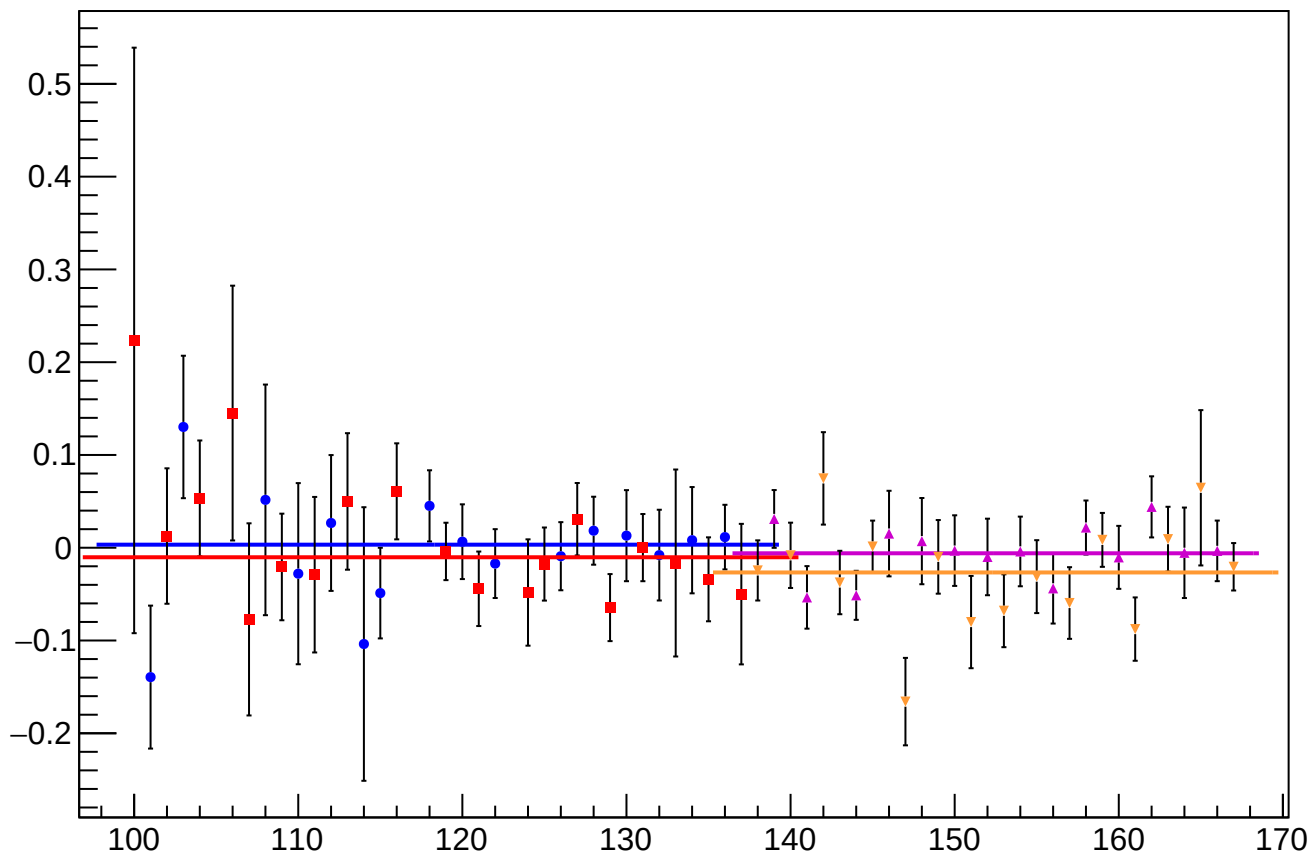
Left In: 0.001+/-0.000 χ^2/NDF : 4046553.8/13

+ sign 0.001+/-0.000 χ^2/NDF : 10053220.8/31

All: 0.001+/-0.000 χ^2/NDF : 22261757.6/64

- sign 0.001+/-0.000 χ^2/NDF : 11805681.1/32

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: -0.027 ± 0.009 χ^2/NDF : 24.4/15

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

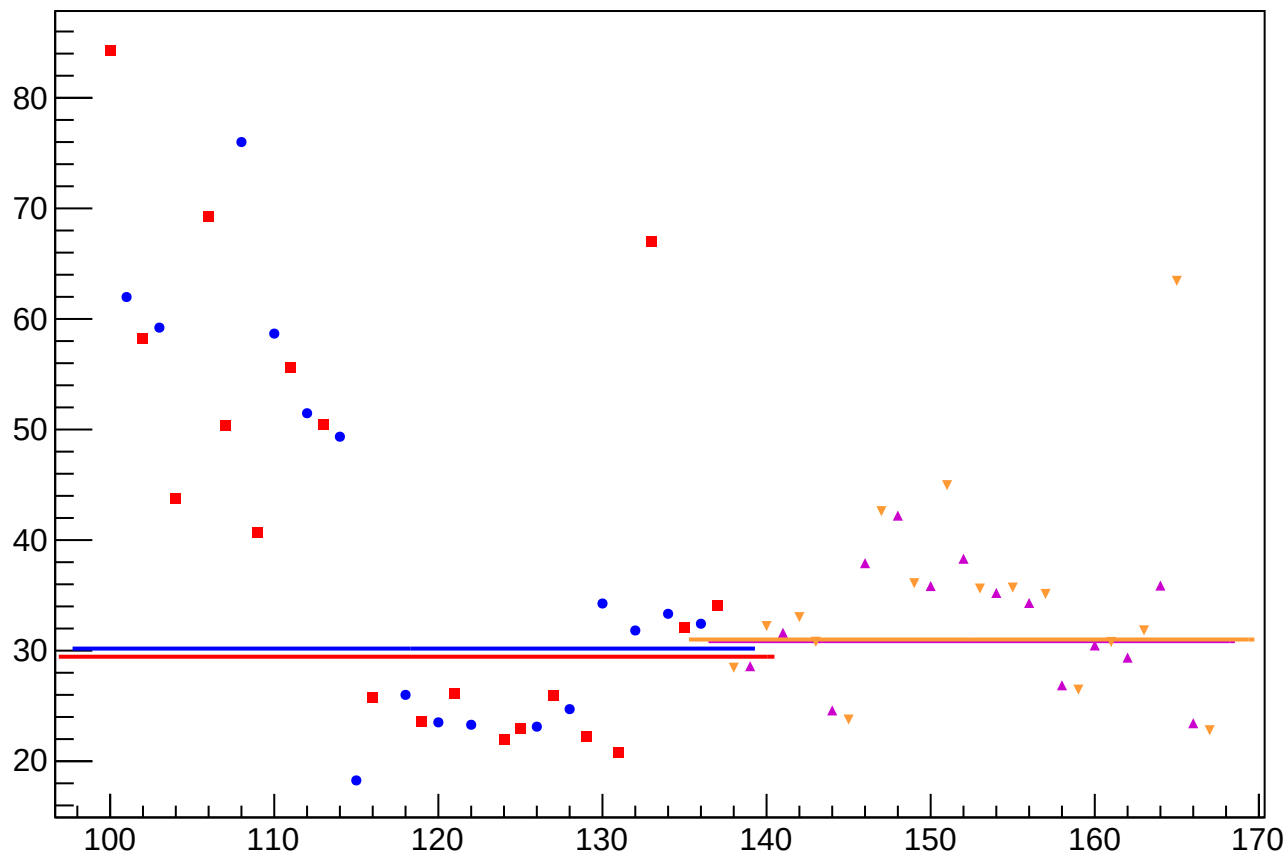
Left In: -0.006 ± 0.009 χ^2/NDF : 10.9/13

+ sign -0.016 ± 0.007 χ^2/NDF : 38.4/31

All: -0.012 ± 0.005 χ^2/NDF : 61.2/64

- sign -0.008 ± 0.007 χ^2/NDF : 22.2/32

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: 31.007 $\pm$ 0.006 χ^2 /NDF:1099317.9/15

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848632.6/18

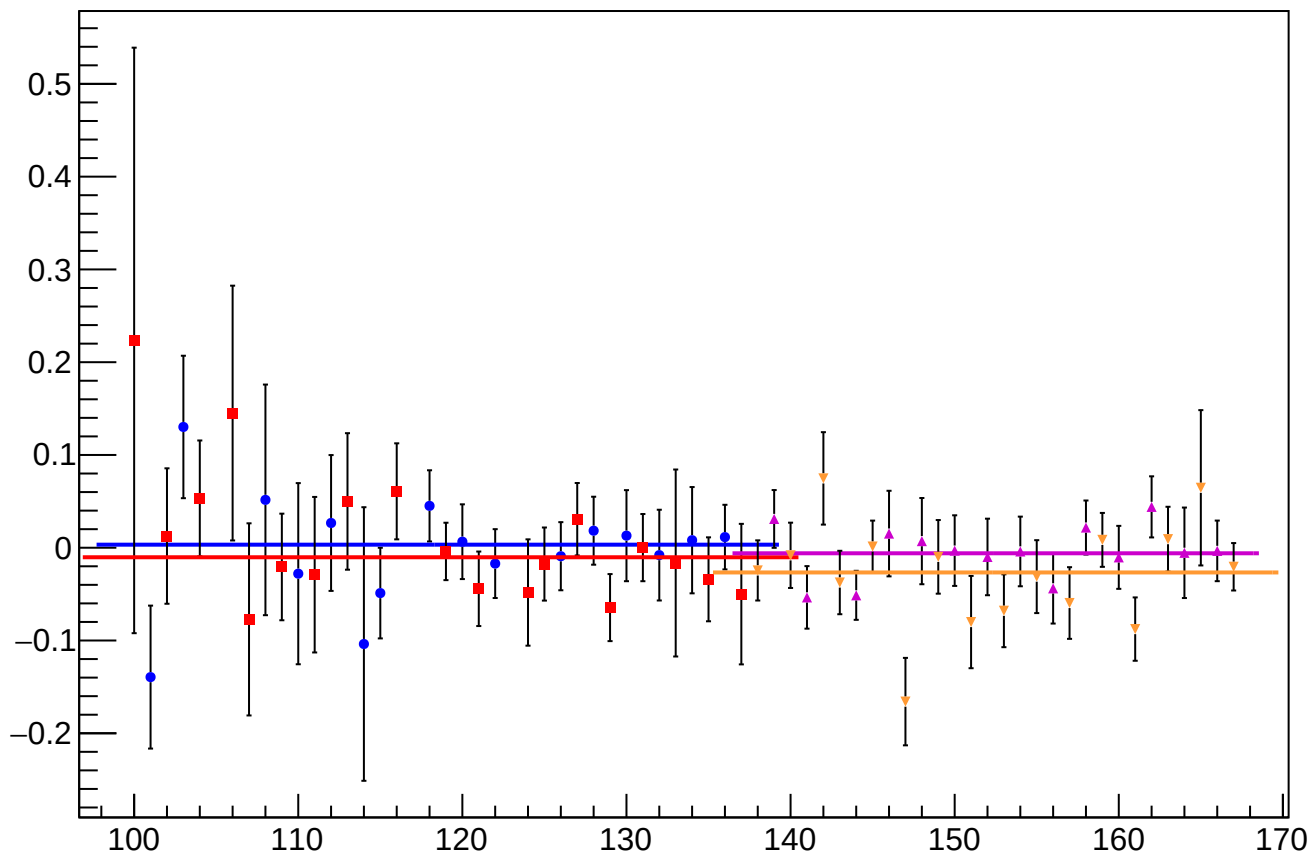
Left In: 30.859 $\pm$ 0.007 χ^2 /NDF:599620.6/13

+ sign 30.719 $\pm$ 0.005 χ^2 /NDF: 2792294.6/31

All: 30.518 $\pm$ 0.004 χ^2 /NDF: 5261012.6/64

- sign 30.312 $\pm$ 0.005 χ^2 /NDF: 2465618.7/32

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: -0.027 ± 0.009 χ^2/NDF : 24.4/15

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

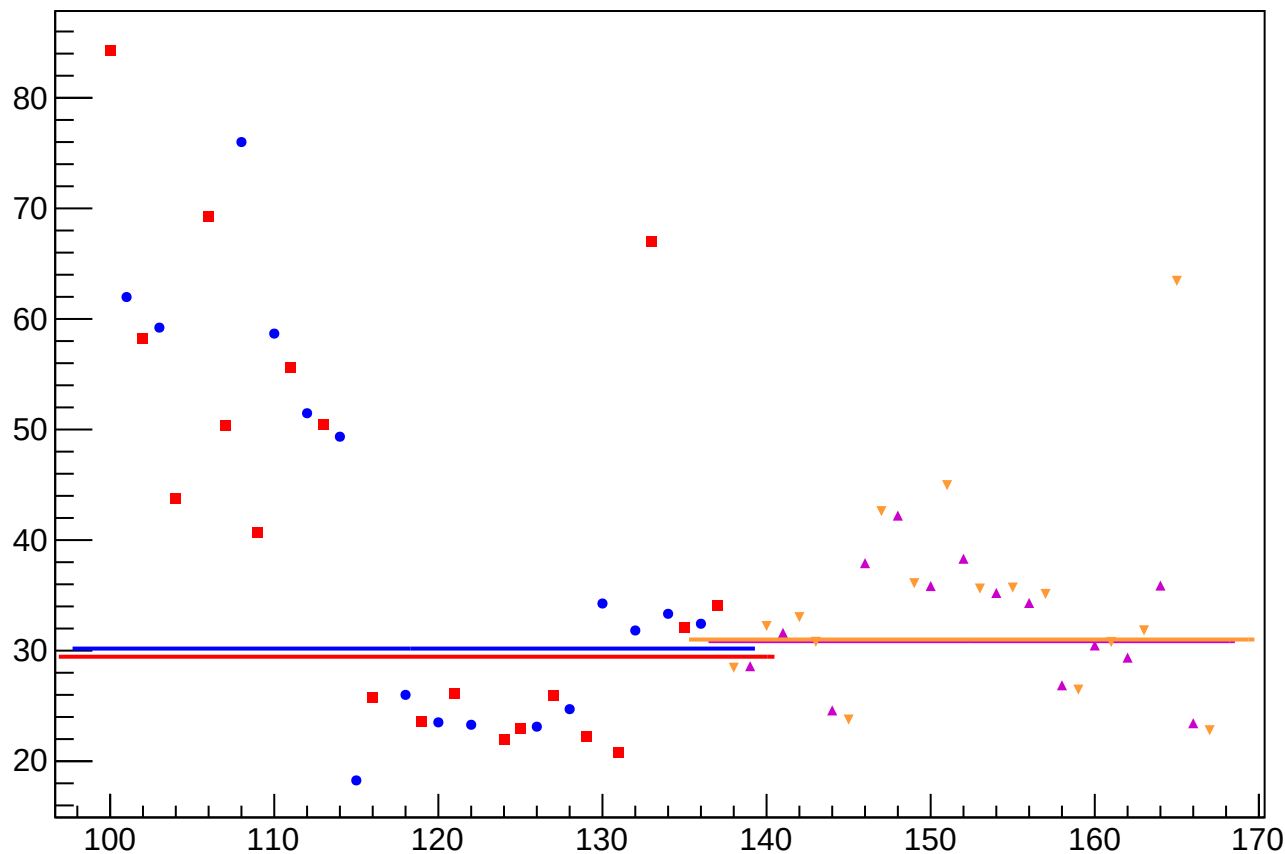
Left In: -0.006 ± 0.009 χ^2/NDF : 10.9/13

+ sign -0.016 ± 0.007 χ^2/NDF : 38.4/31

All: -0.012 ± 0.005 χ^2/NDF : 61.2/64

- sign -0.008 ± 0.007 χ^2/NDF : 22.2/32

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2 /NDF: 1687188.2/15

Left Out: 31.007 $\pm$ 0.006 χ^2 /NDF: 1099317.9/15

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848632.6/18

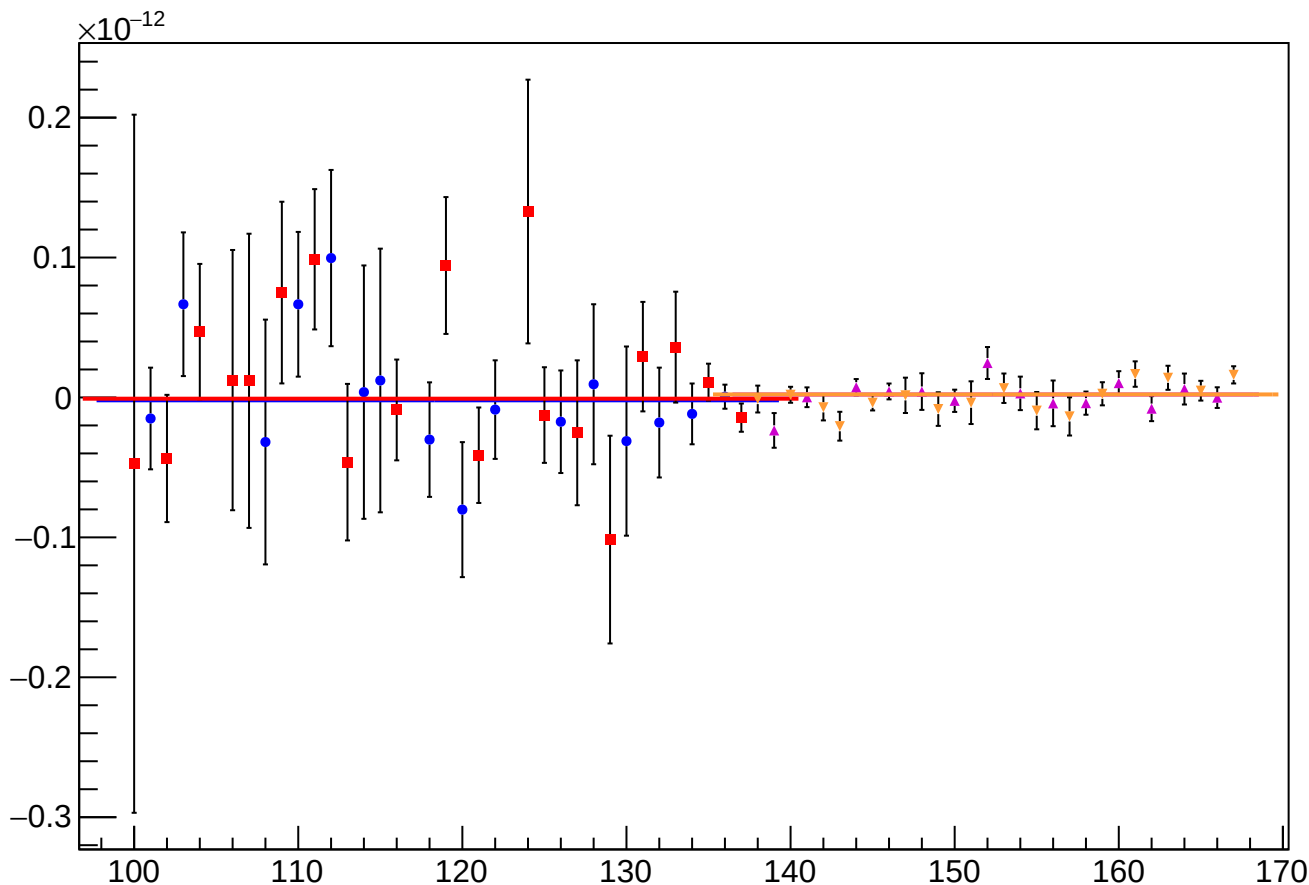
Left In: 30.859 $\pm$ 0.007 χ^2 /NDF: 599620.6/13

+ sign 30.719 $\pm$ 0.005 χ^2 /NDF: 2792294.6/31

All: 30.518 $\pm$ 0.004 χ^2 /NDF: 5261012.6/64

- sign 30.312 $\pm$ 0.005 χ^2 /NDF: 2465618.7/32

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 20.1/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.4/18

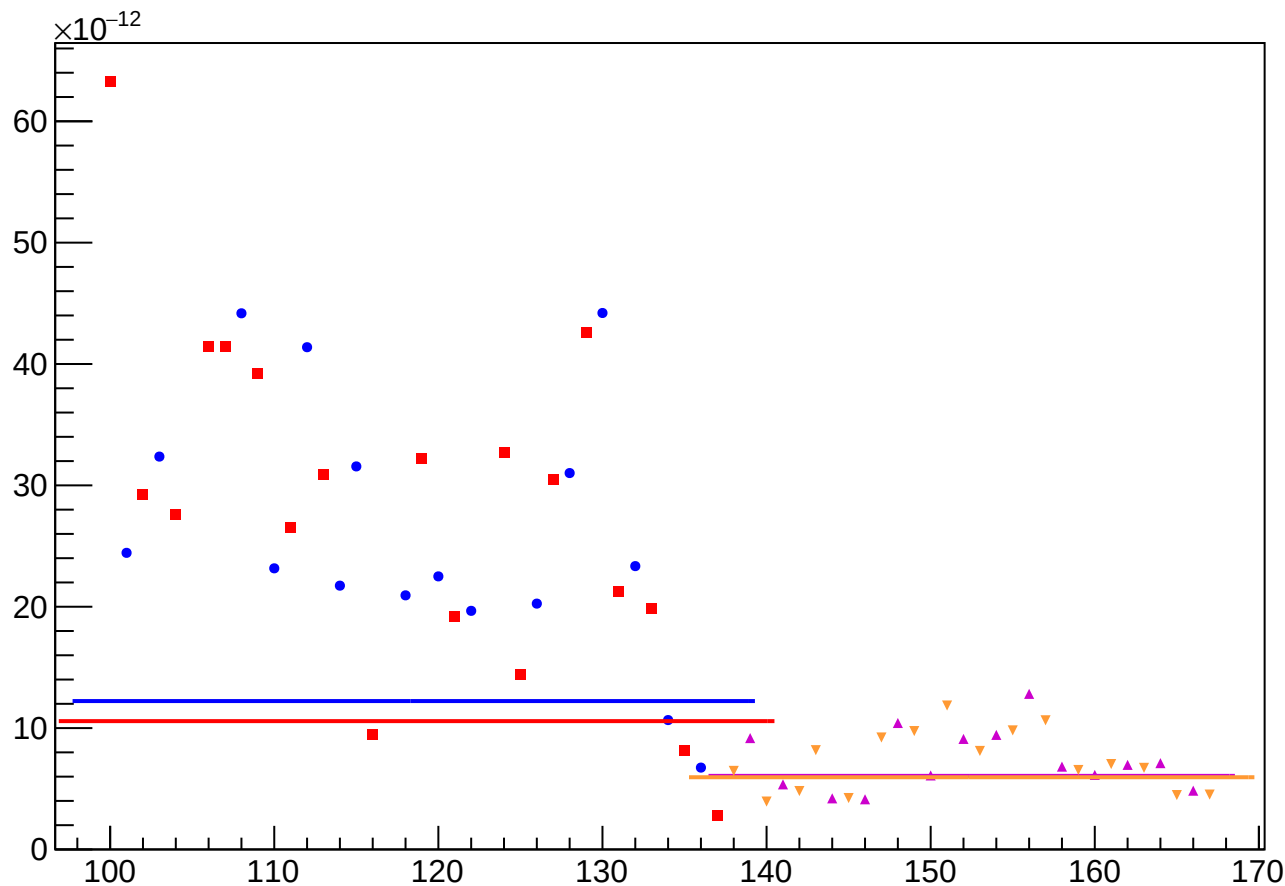
Left In: 0.000 ± 0.000 χ^2/NDF : 12.7/13

+ sign 0.000 ± 0.000 χ^2/NDF : 30.8/31

All: 0.000 ± 0.000 χ^2/NDF : 65.1/64

- sign 0.000 ± 0.000 χ^2/NDF : 34.2/32

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3437895.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1940301.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4770079.9/18

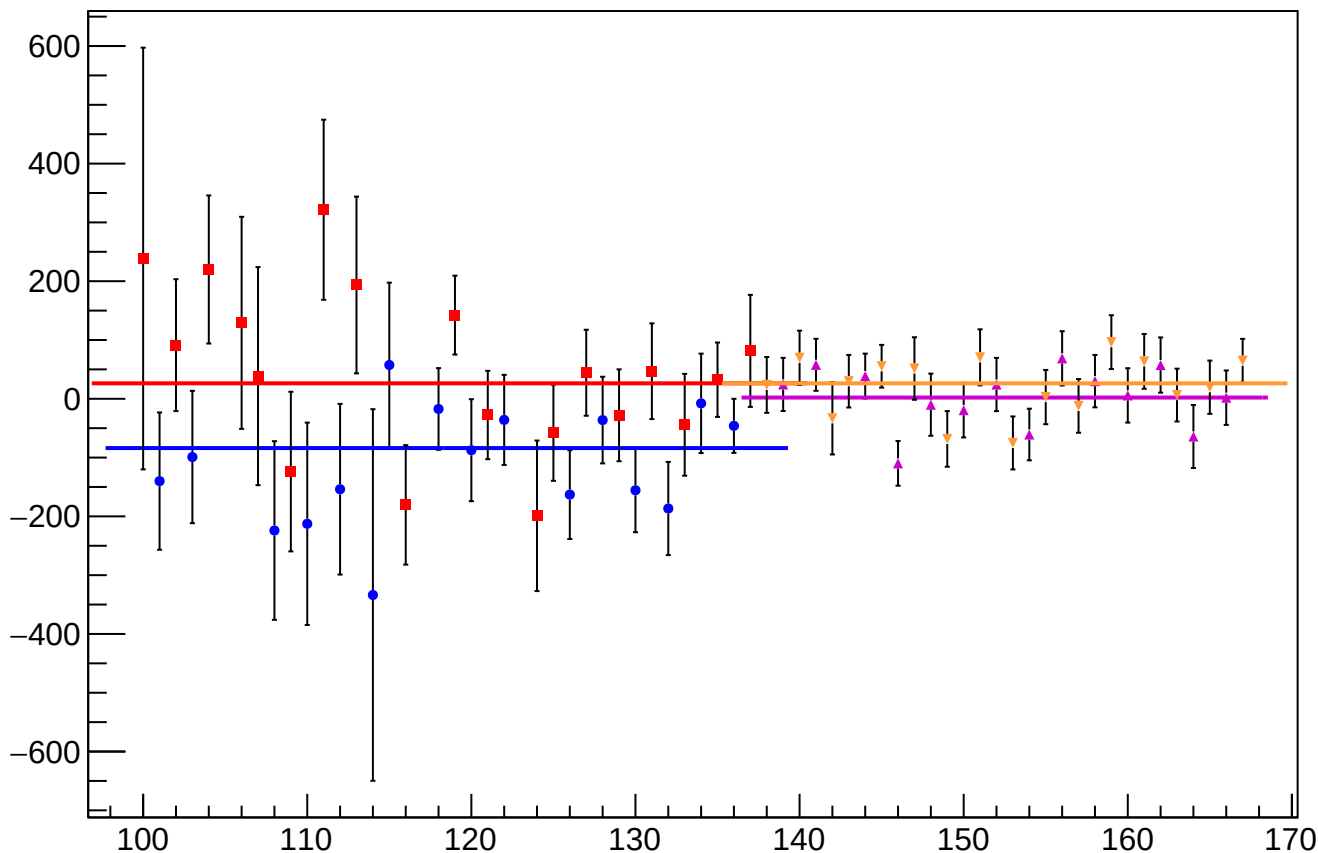
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1554927.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6921669.6/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14068727.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7146951.6/32

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 26.224 ± 11.349 χ^2/NDF : 17.9/15

Right Out: 26.301 ± 22.067 χ^2/NDF : 23.0/18

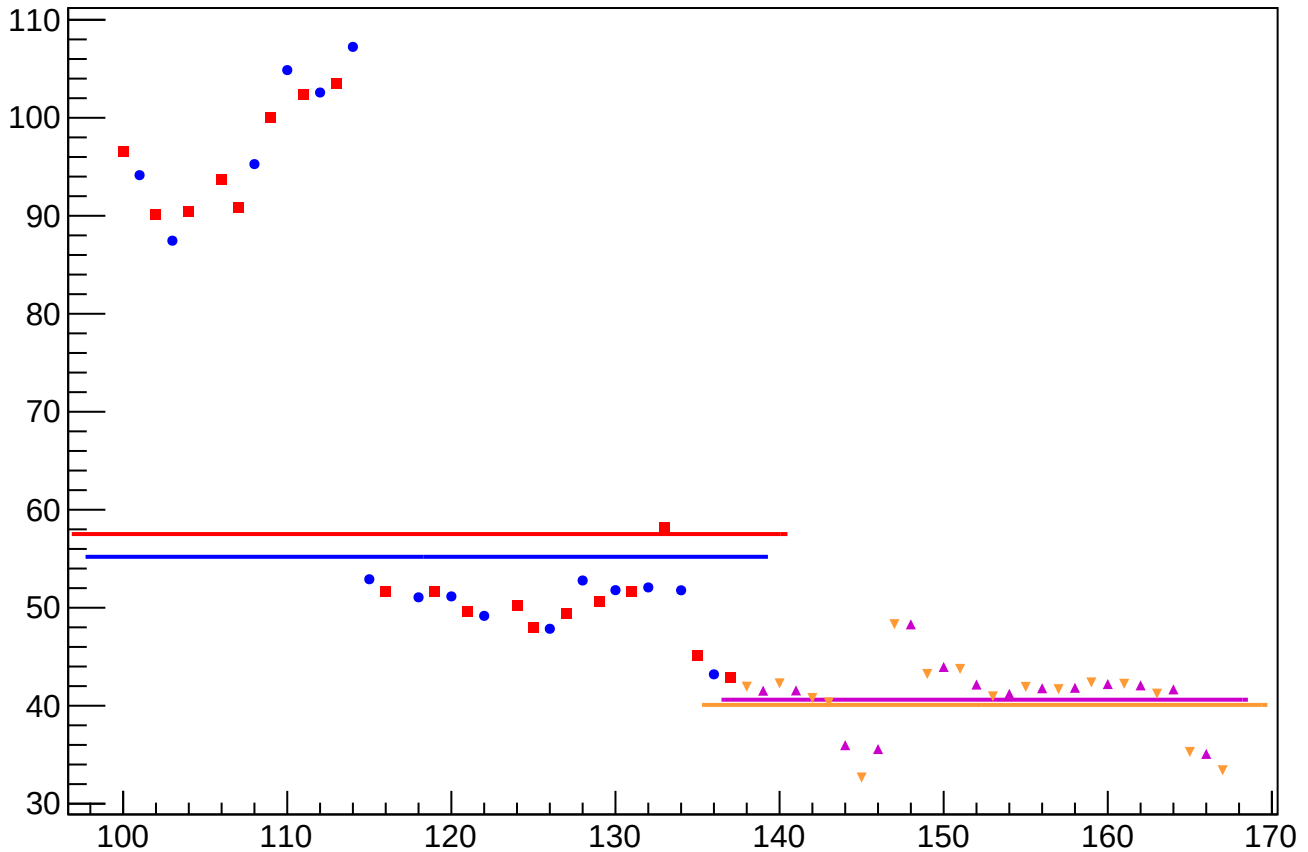
Left In: 2.088 ± 12.022 χ^2/NDF : 19.4/13

+ sign 2.132 ± 10.030 χ^2/NDF : 49.0/31

All: 4.740 ± 7.271 χ^2/NDF : 92.4/64

- sign 7.629 ± 10.557 χ^2/NDF : 43.3/32

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.1/15

Left Out: 40.084 $\pm$ 0.008 χ^2 /NDF: 263965.1/15

Right Out: 57.519 $\pm$ 0.016 χ^2 /NDF: 1281793.1/18

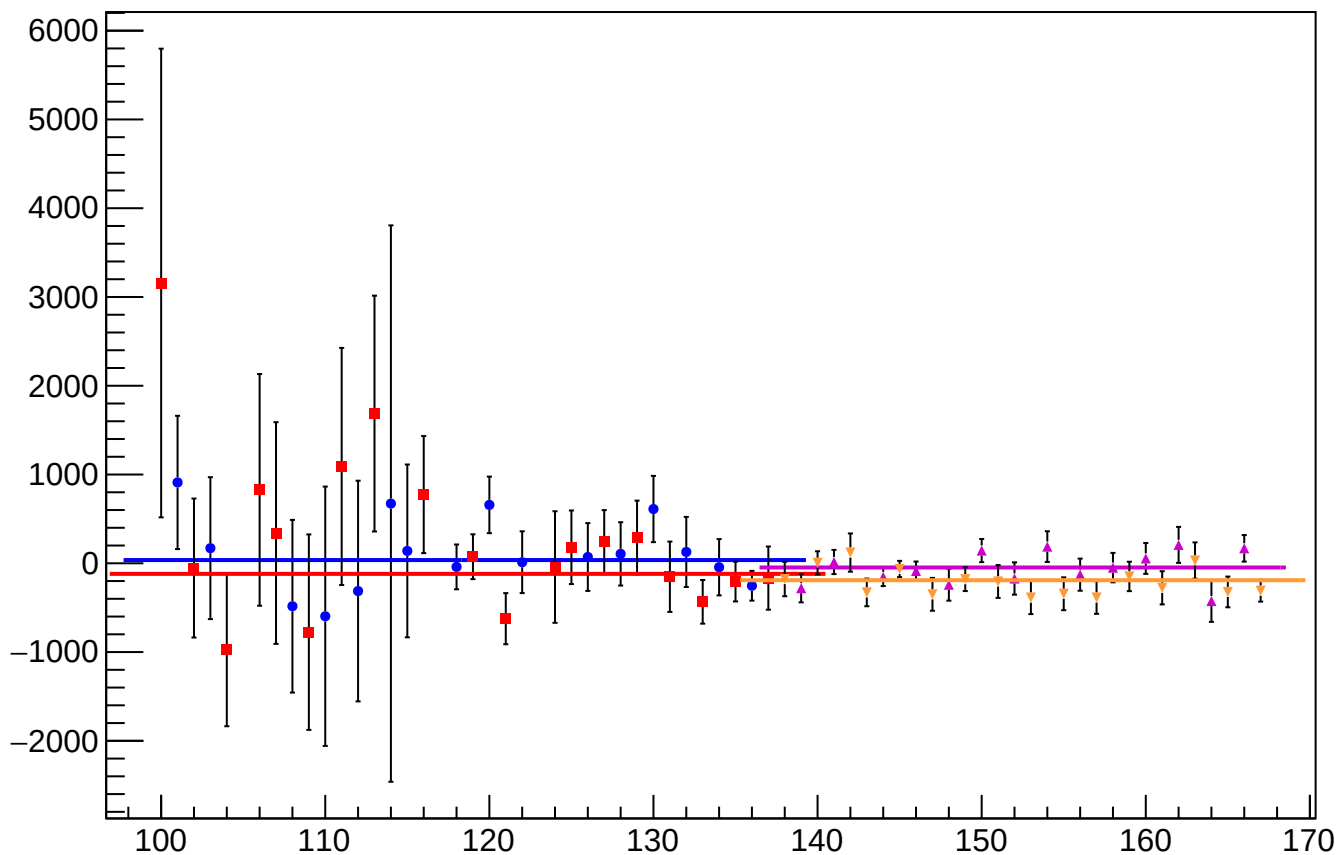
Left In: 40.615 $\pm$ 0.009 χ^2 /NDF: 158275.2/13

+ sign 43.393 $\pm$ 0.007 χ^2 /NDF: 2193205.9/31

All: 43.910 $\pm$ 0.005 χ^2 /NDF: 4549561.2/64

- sign 44.483 $\pm$ 0.007 χ^2 /NDF: 2345141.4/32

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -190.621 ± 38.991 χ^2/NDF : 13.7/15

Right Out: -119.166 ± 95.833 χ^2/NDF : 16.0/18

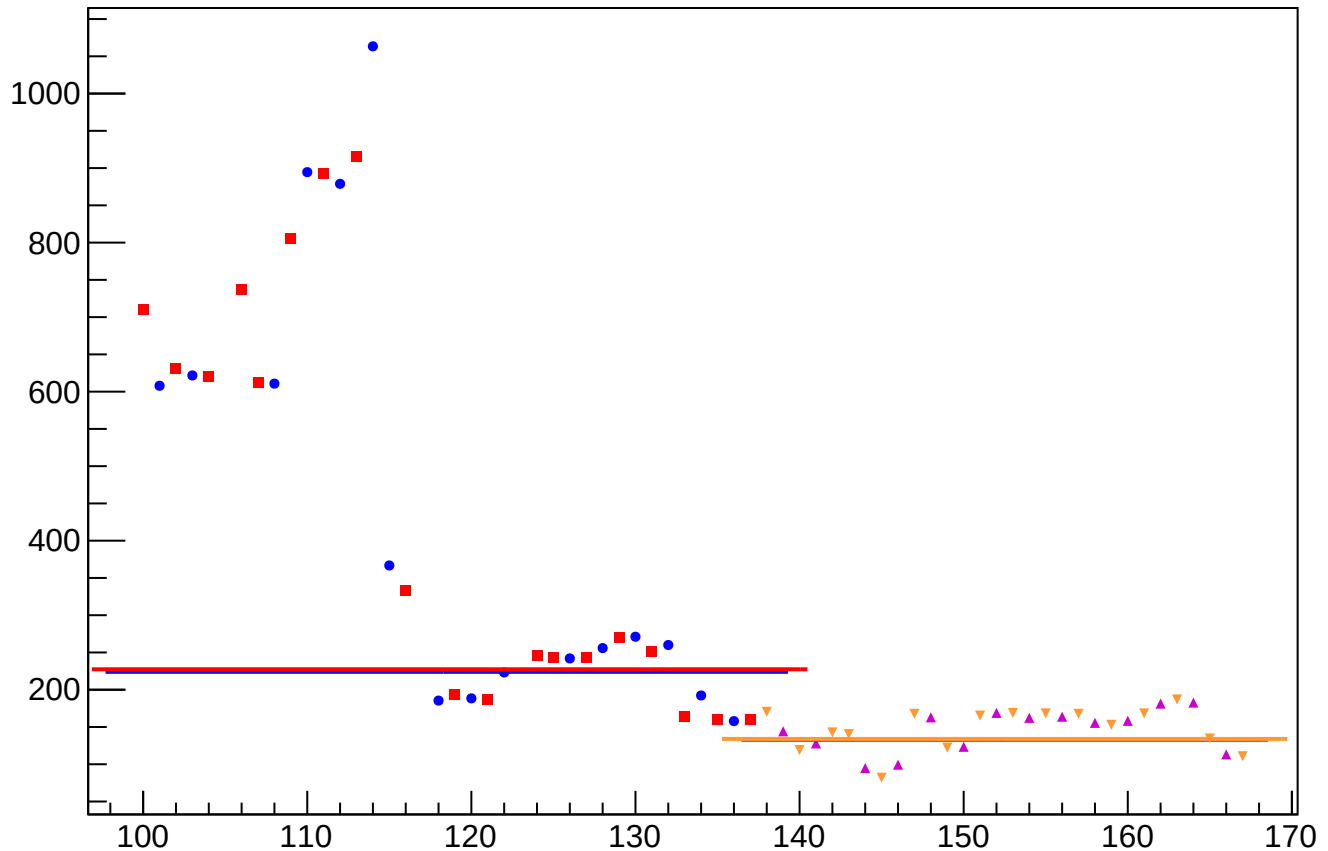
Left In: -47.277 ± 40.346 χ^2/NDF : 15.9/13

+ sign -157.040 ± 35.990 χ^2/NDF : 30.1/31

All: -109.185 ± 25.861 χ^2/NDF : 66.2/64

- sign -58.101 ± 37.185 χ^2/NDF : 32.4/32

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF : 2968054.7/15

Left Out: 133.989+/-0.028 χ^2/NDF :1392727.2/15

Right Out: 227.451+/-0.068 χ^2/NDF : 3640634.3/18

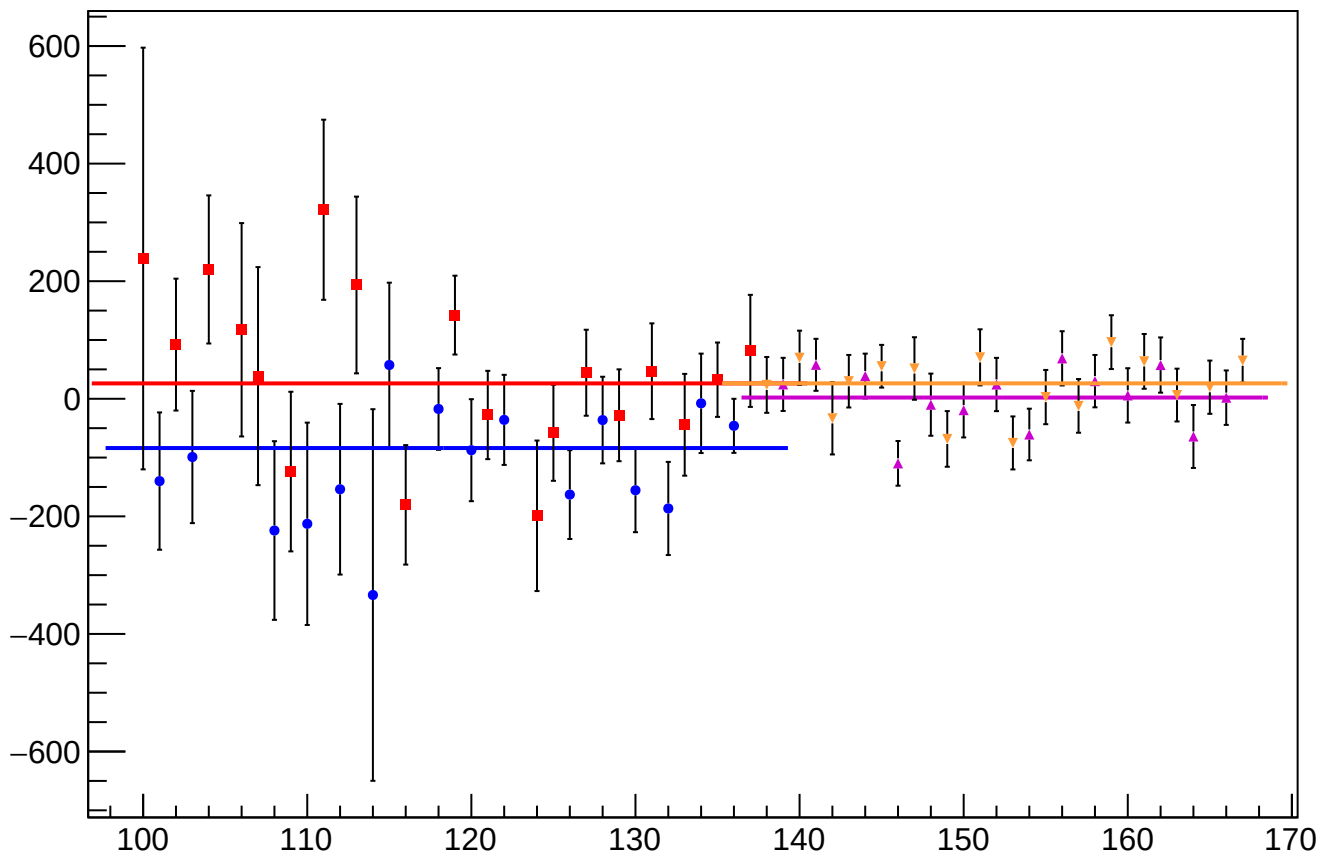
Left In: 132.828+/-0.029 χ^2/NDF :1058708.3/13

+ sign 147.314+/-0.025 χ^2/NDF : 5939390.4/31

All: 147.198+/-0.018 χ^2/NDF : 12295005.6/64

- sign 147.074+/-0.026 χ^2/NDF : 6355572.3/32

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 26.226 ± 11.349 χ^2/NDF : 17.9/15

Right Out: 26.142 ± 22.069 χ^2/NDF : 22.9/18

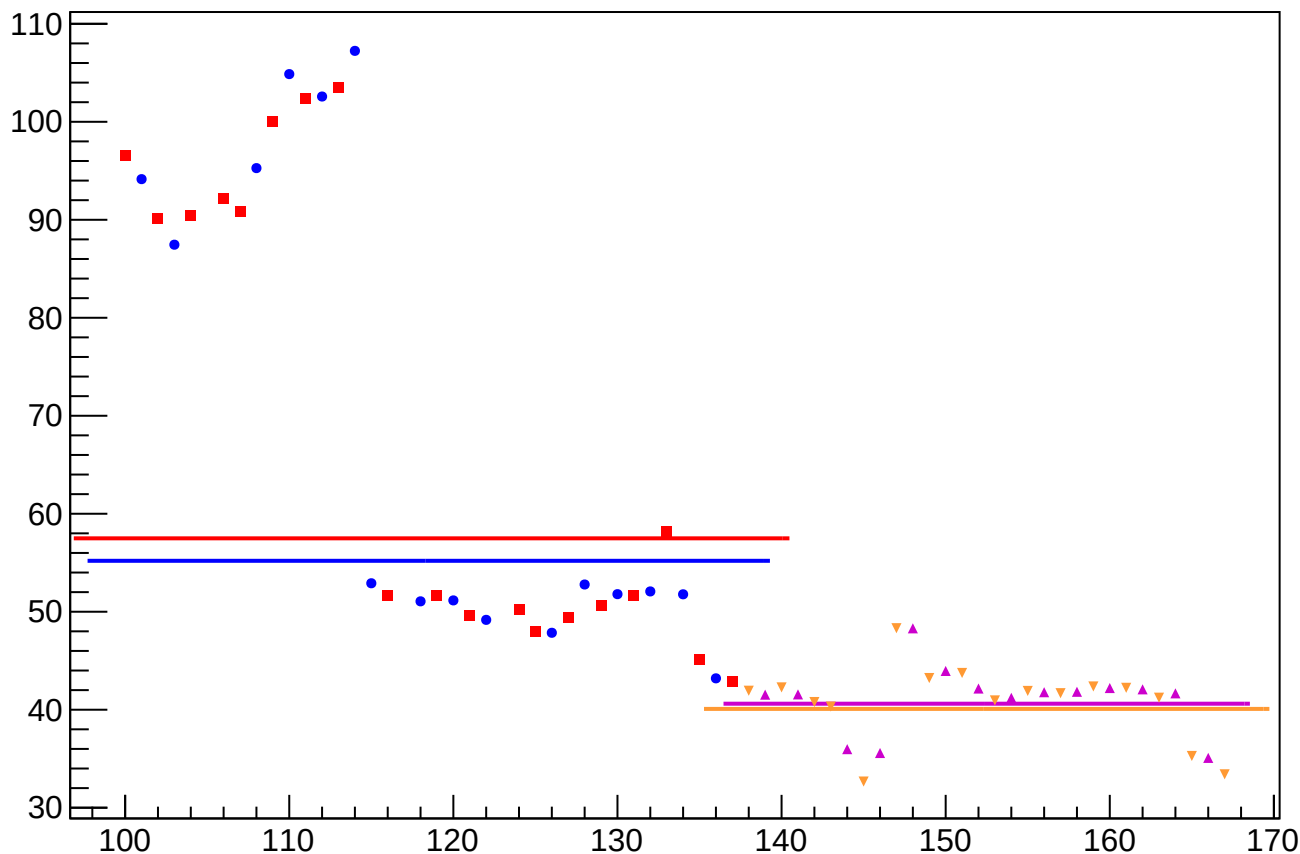
Left In: 2.088 ± 12.022 χ^2/NDF : 19.4/13

+ sign 2.134 ± 10.030 χ^2/NDF : 49.0/31

All: 4.723 ± 7.271 χ^2/NDF : 92.3/64

- sign 7.592 ± 10.557 χ^2/NDF : 43.2/32

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.3/15

Left Out: 40.084 $\pm$ 0.008 χ^2 /NDF: 263965.1/15

Right Out: 57.490 $\pm$ 0.016 χ^2 /NDF: 1274387.3/18

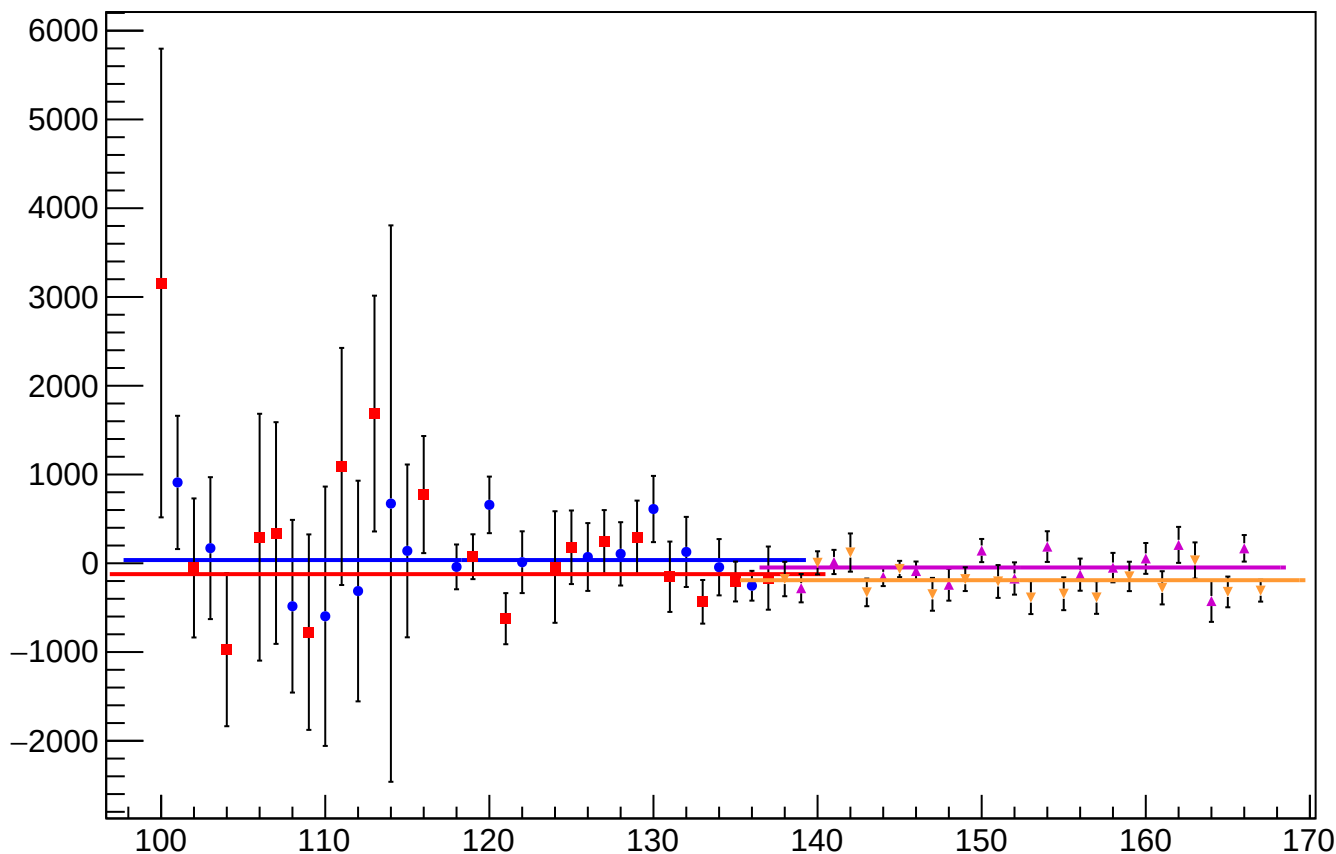
Left In: 40.615 $\pm$ 0.009 χ^2 /NDF: 158275.3/13

+ sign 43.393 $\pm$ 0.007 χ^2 /NDF: 2193206.2/31

All: 43.907 $\pm$ 0.005 χ^2 /NDF: 4538785.6/64

- sign 44.476 $\pm$ 0.007 χ^2 /NDF: 2334513.0/32

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -190.622 ± 38.991 χ^2/NDF : 13.7/15

Right Out: -122.289 ± 95.865 χ^2/NDF : 15.6/18

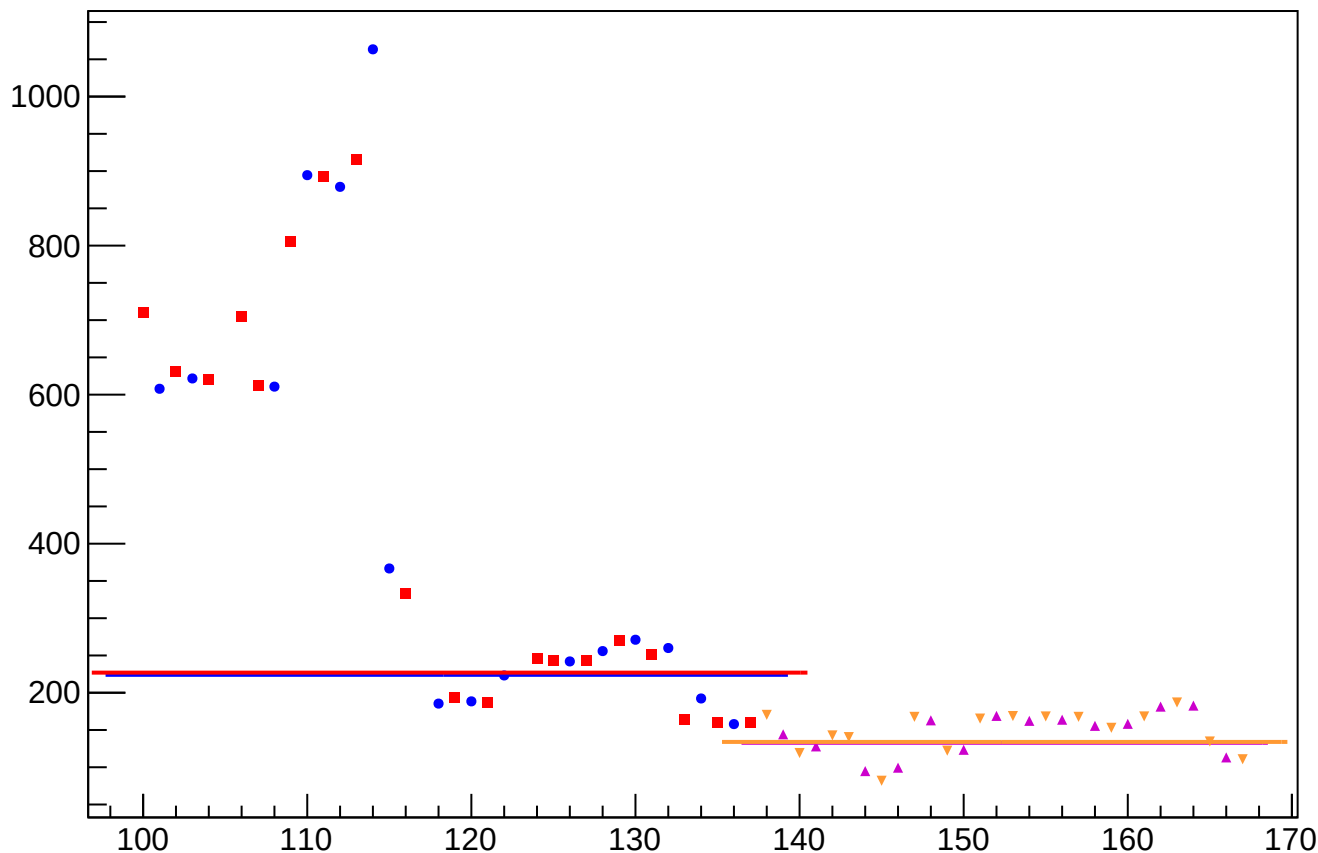
Left In: -47.277 ± 40.346 χ^2/NDF : 15.9/13

+ sign -157.041 ± 35.990 χ^2/NDF : 30.1/31

All: -109.412 ± 25.862 χ^2/NDF : 65.7/64

- sign -58.564 ± 37.187 χ^2/NDF : 32.0/32

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF : 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF :1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF : 3571946.9/18

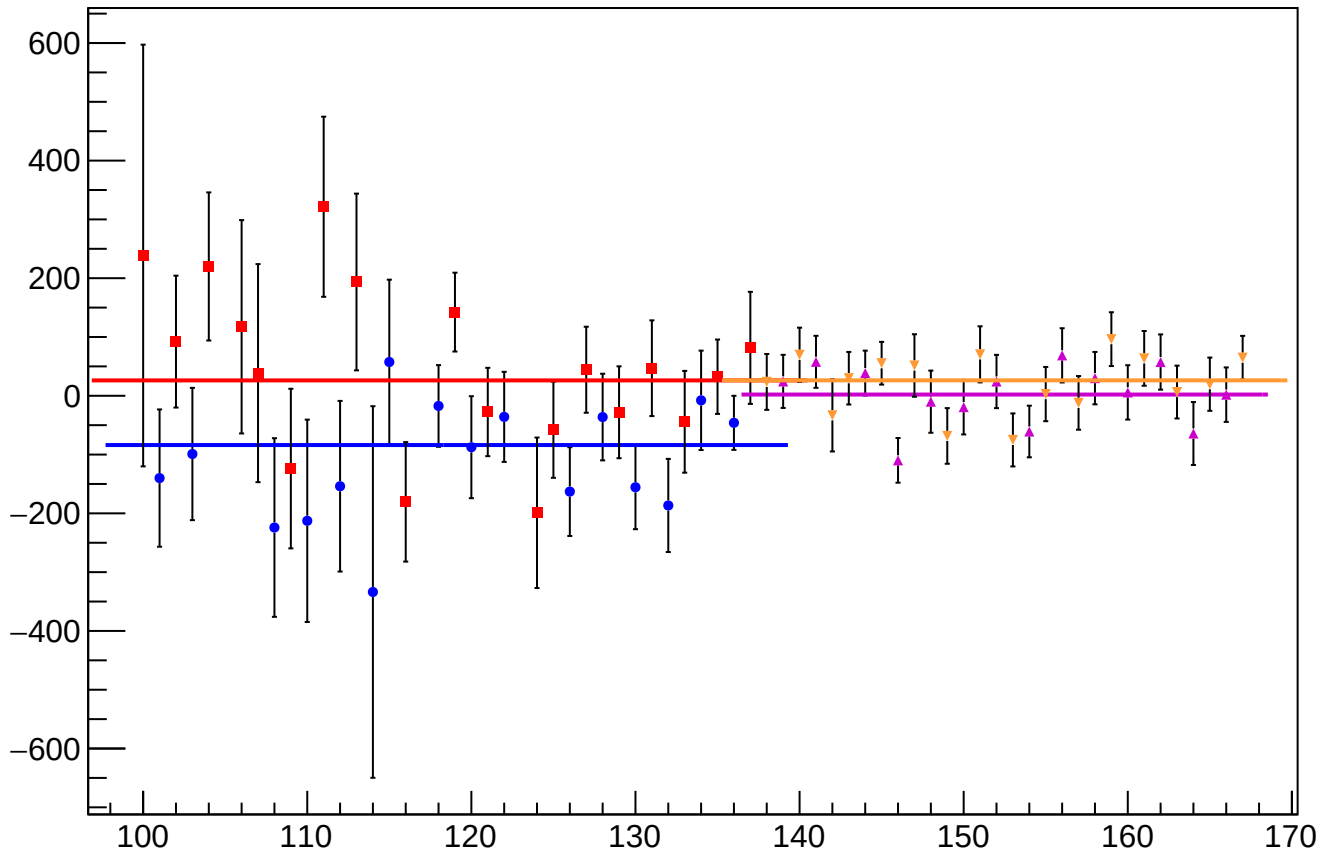
Left In: 132.828+/-0.029 χ^2/NDF :1058711.7/13

+ sign 147.314+/-0.025 χ^2/NDF : 5939401.2/31

All: 147.159+/-0.018 χ^2/NDF : 12208703.7/64

- sign 146.994+/-0.026 χ^2/NDF : 6269226.2/32

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 $\pm$ 21.434 χ^2/NDF : 10.5/15

Left Out: 26.226 $\pm$ 11.349 χ^2/NDF :17.9/15

Right Out: 26.142 $\pm$ 22.069 χ^2/NDF : 22.9/18

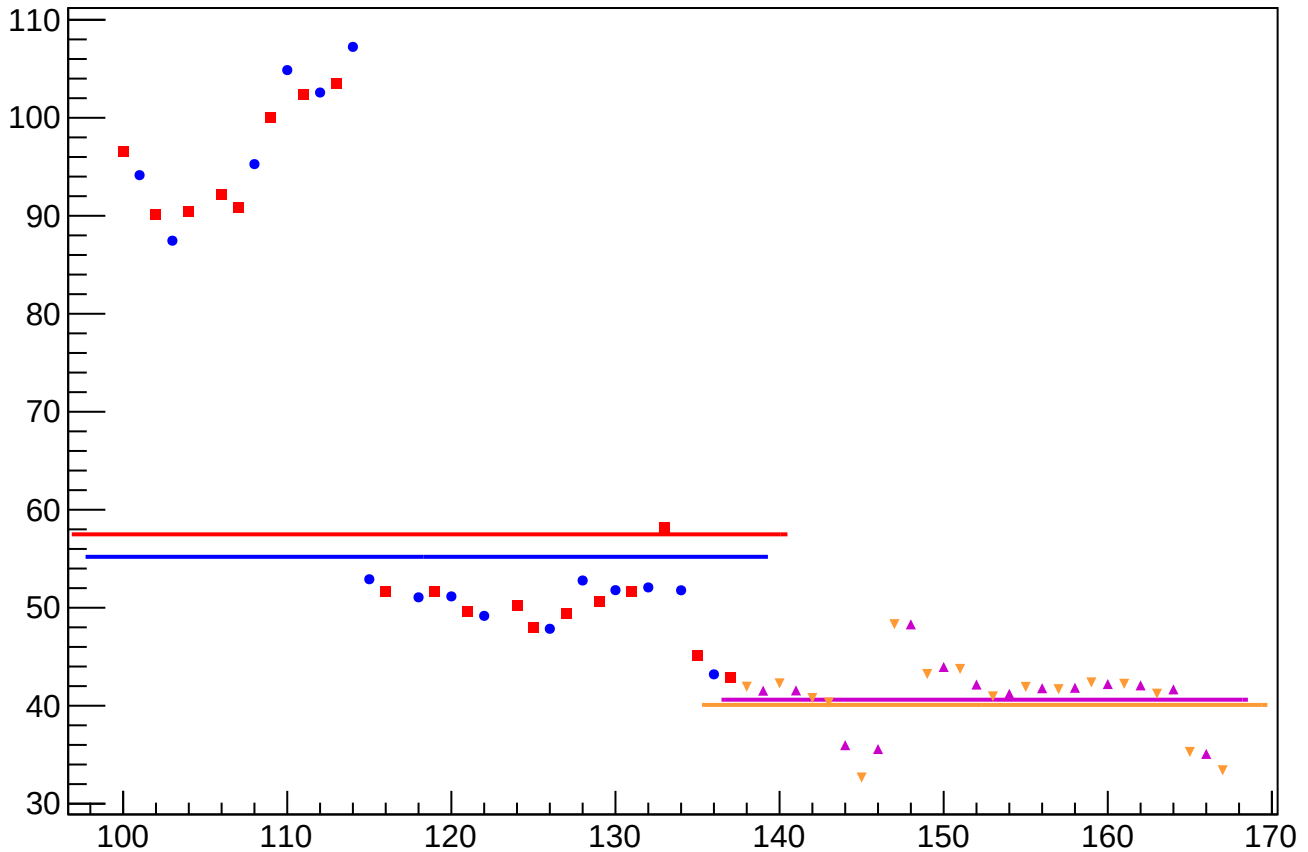
Left In: 2.088 $\pm$ 12.022 χ^2/NDF :19.4/13

+ sign 2.134 $\pm$ 10.030 χ^2/NDF : 49.0/31

All: 4.723 $\pm$ 7.271 χ^2/NDF : 92.3/64

- sign 7.592 $\pm$ 10.557 χ^2/NDF : 43.2/32

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: 40.084 $\pm$ 0.008 χ^2 /NDF: 263965.1/15

Right Out: 57.490 $\pm$ 0.016 χ^2 /NDF: 1274387.3/18

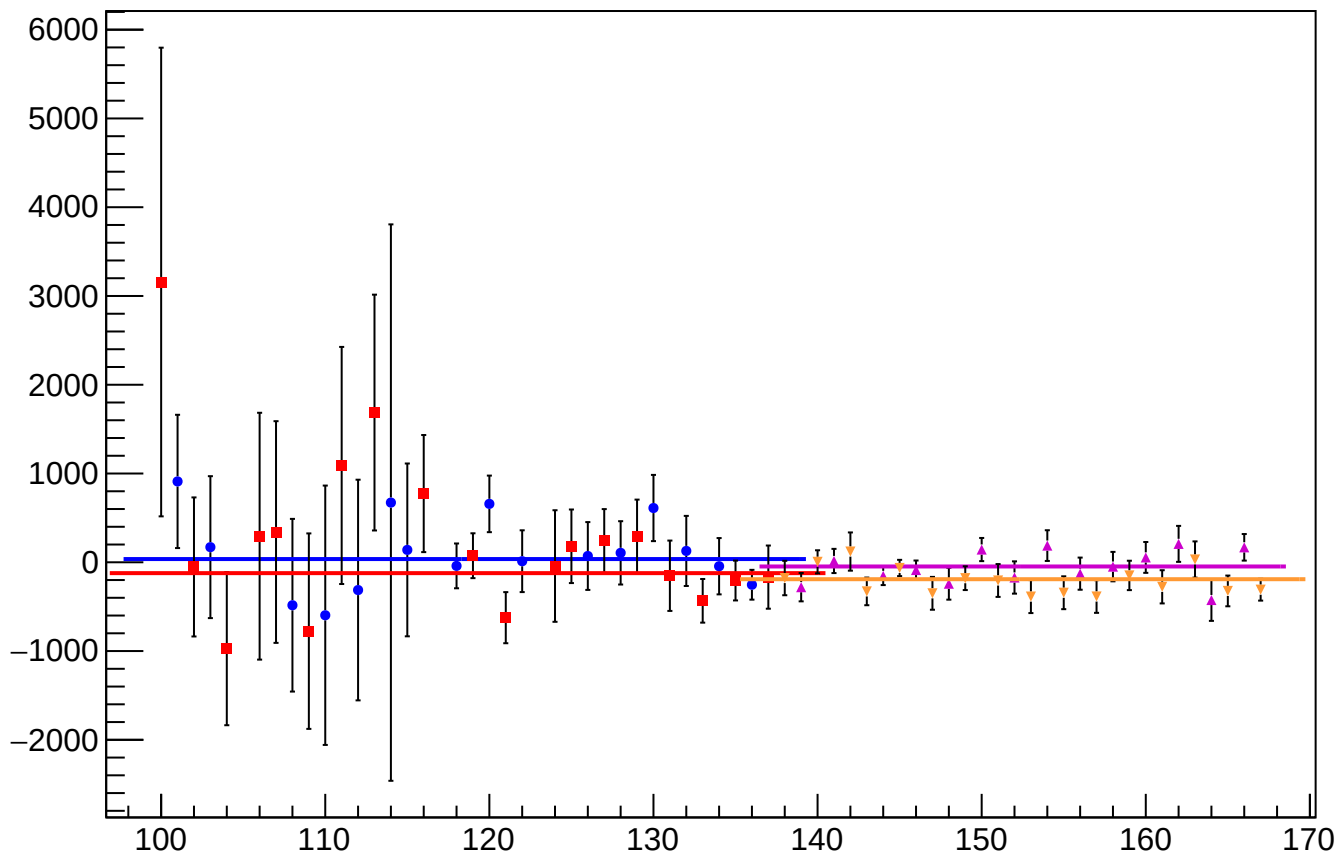
Left In: 40.615 $\pm$ 0.009 χ^2 /NDF: 158275.3/13

+ sign 43.393 $\pm$ 0.007 χ^2 /NDF: 2193206.2/31

All: 43.907 $\pm$ 0.005 χ^2 /NDF: 4538785.6/64

- sign 44.476 $\pm$ 0.007 χ^2 /NDF: 2334513.0/32

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: -190.622 ± 38.991 χ^2/NDF : 13.7/15

Right Out: -122.289 ± 95.865 χ^2/NDF : 15.6/18

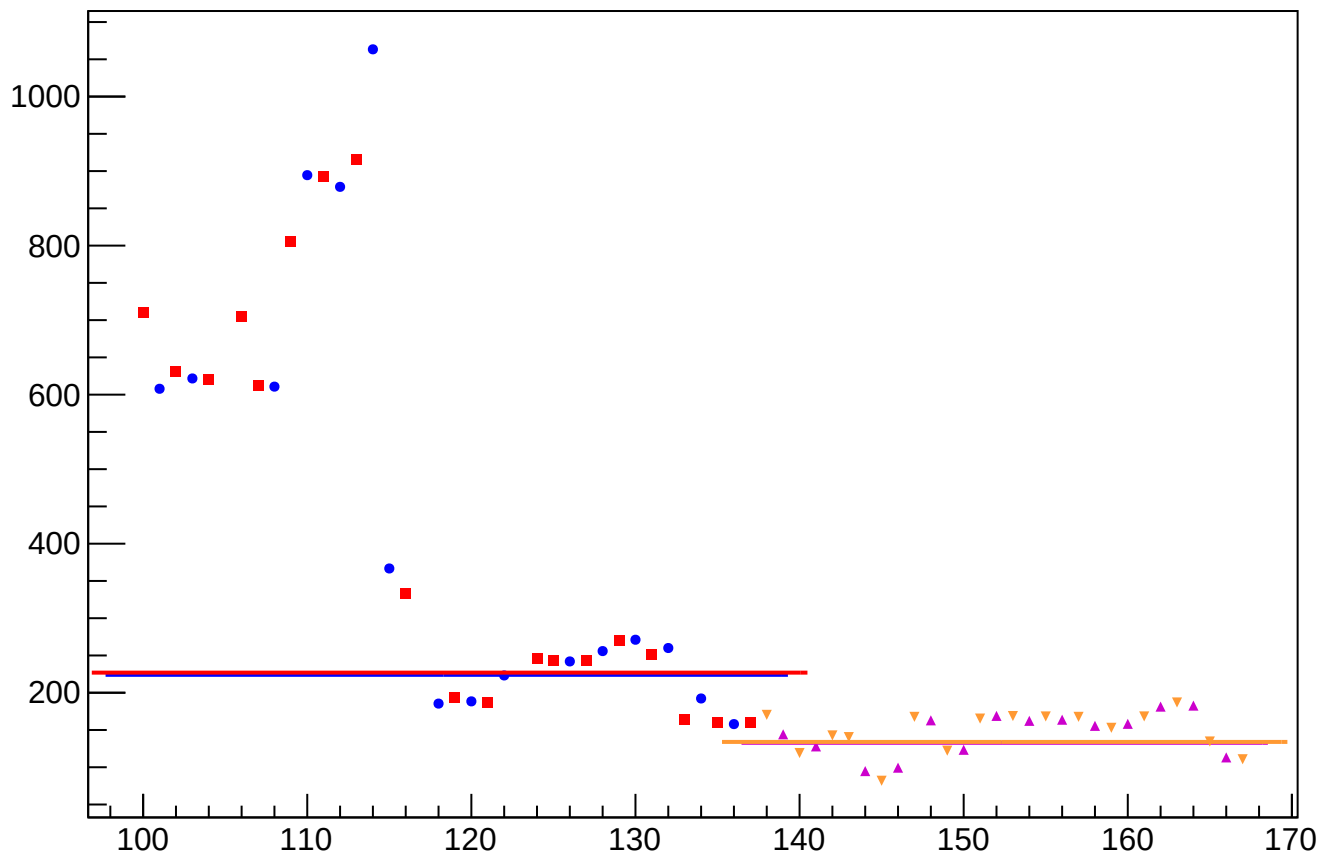
Left In: -47.277 ± 40.346 χ^2/NDF : 15.9/13

+ sign -157.041 ± 35.990 χ^2/NDF : 30.1/31

All: -109.412 ± 25.862 χ^2/NDF : 65.7/64

- sign -58.564 ± 37.187 χ^2/NDF : 32.0/32

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF : 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF :1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF : 3571946.9/18

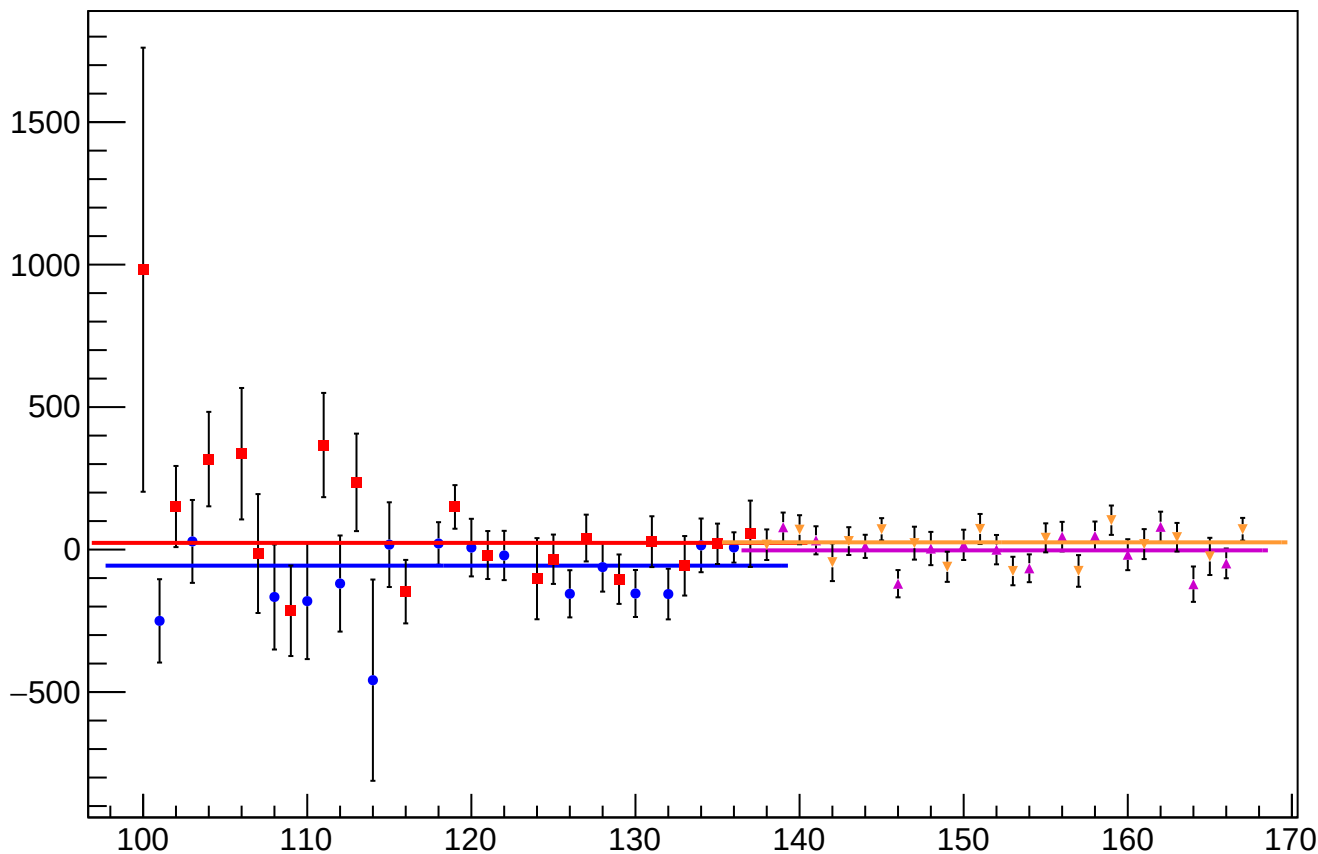
Left In: 132.828+/-0.029 χ^2/NDF :1058711.7/13

+ sign 147.314+/-0.025 χ^2/NDF : 5939401.2/31

All: 147.159+/-0.018 χ^2/NDF : 12208703.7/64

- sign 146.994+/-0.026 χ^2/NDF : 6269226.2/32

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414 ± 24.489 χ^2/NDF : 12.3/15

Left Out: 25.397 ± 12.743 χ^2/NDF : 18.4/15

Right Out: 23.495 ± 25.161 χ^2/NDF : 24.1/18

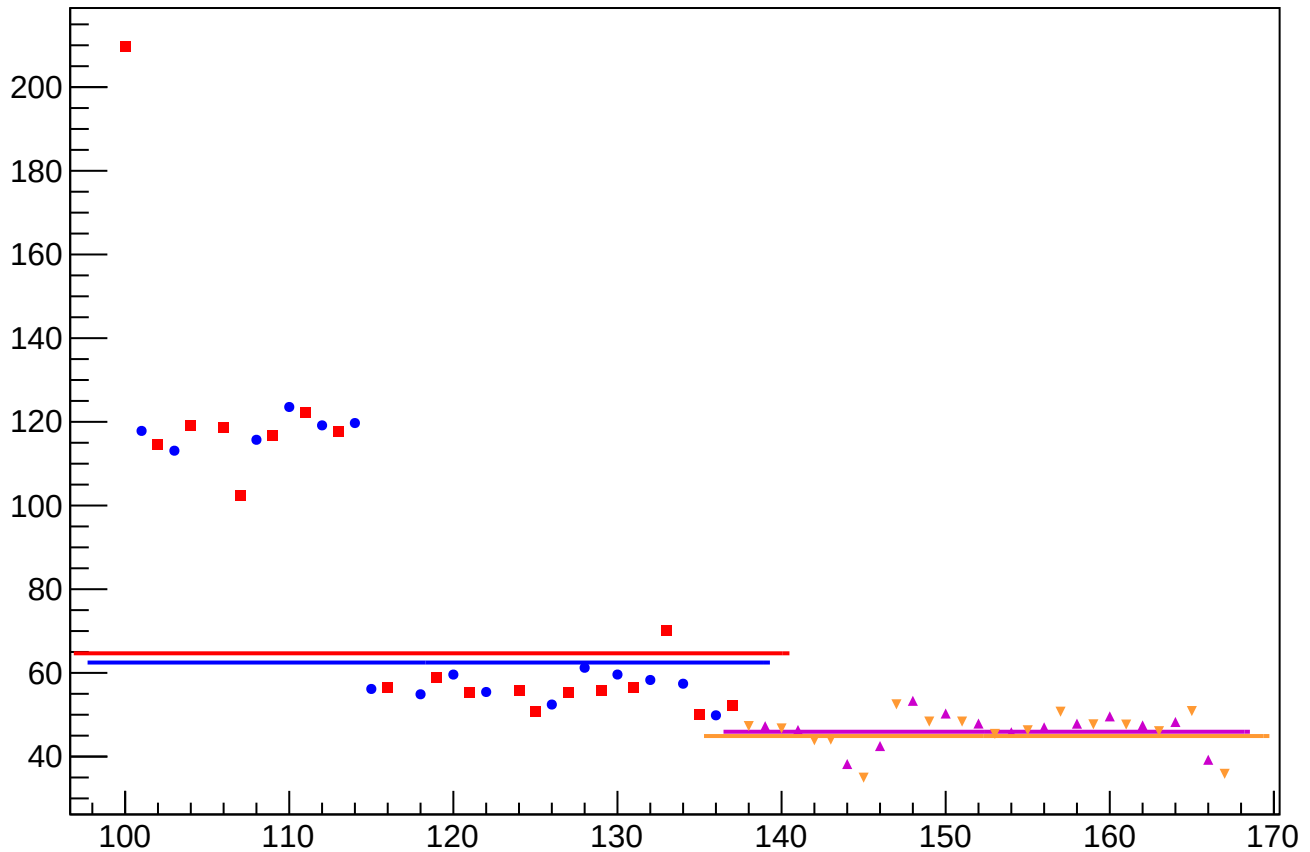
Left In: -2.771 ± 13.667 χ^2/NDF : 19.7/13

+ sign 7.966 ± 11.304 χ^2/NDF : 39.4/31

All: 5.733 ± 8.231 χ^2/NDF : 84.1/64

- sign 3.213 ± 12.010 χ^2/NDF : 44.6/32

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF : 1348224.3/15

Left Out: 44.907+/-0.009 χ^2/NDF : 344086.8/15

Right Out: 64.680+/-0.018 χ^2/NDF : 1590446.9/18

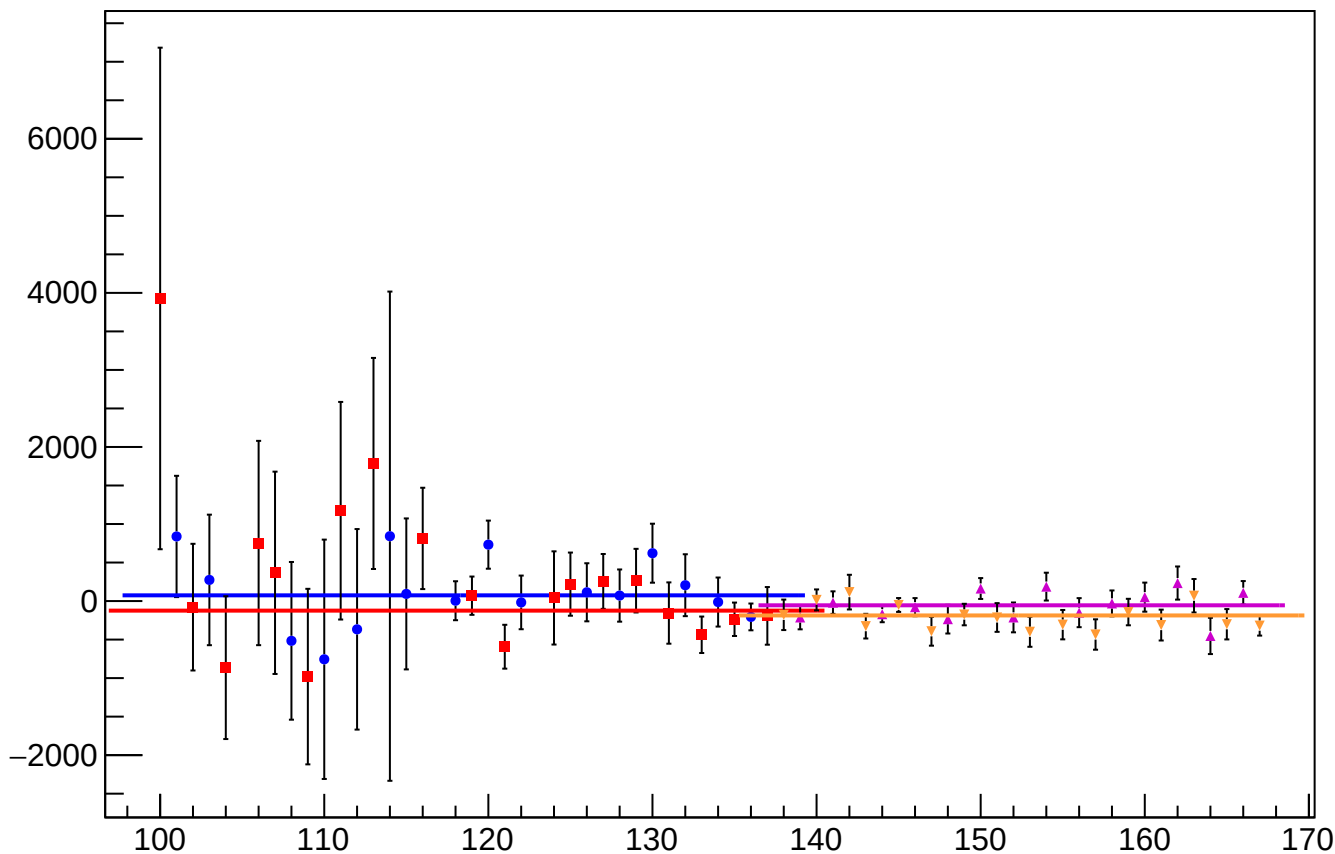
Left In: 45.934+/-0.010 χ^2/NDF : 182389.8/13

+ sign 48.650+/-0.008 χ^2/NDF : 2502201.0/31

All: 49.381+/-0.006 χ^2/NDF : 5150084.3/64

- sign 50.205+/-0.008 χ^2/NDF : 2630101.0/32

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF : 11.2/15

Left Out: -186.676+/-40.303 χ^2/NDF : 14.7/15

Right Out: -124.201+/-94.665 χ^2/NDF : 16.3/18

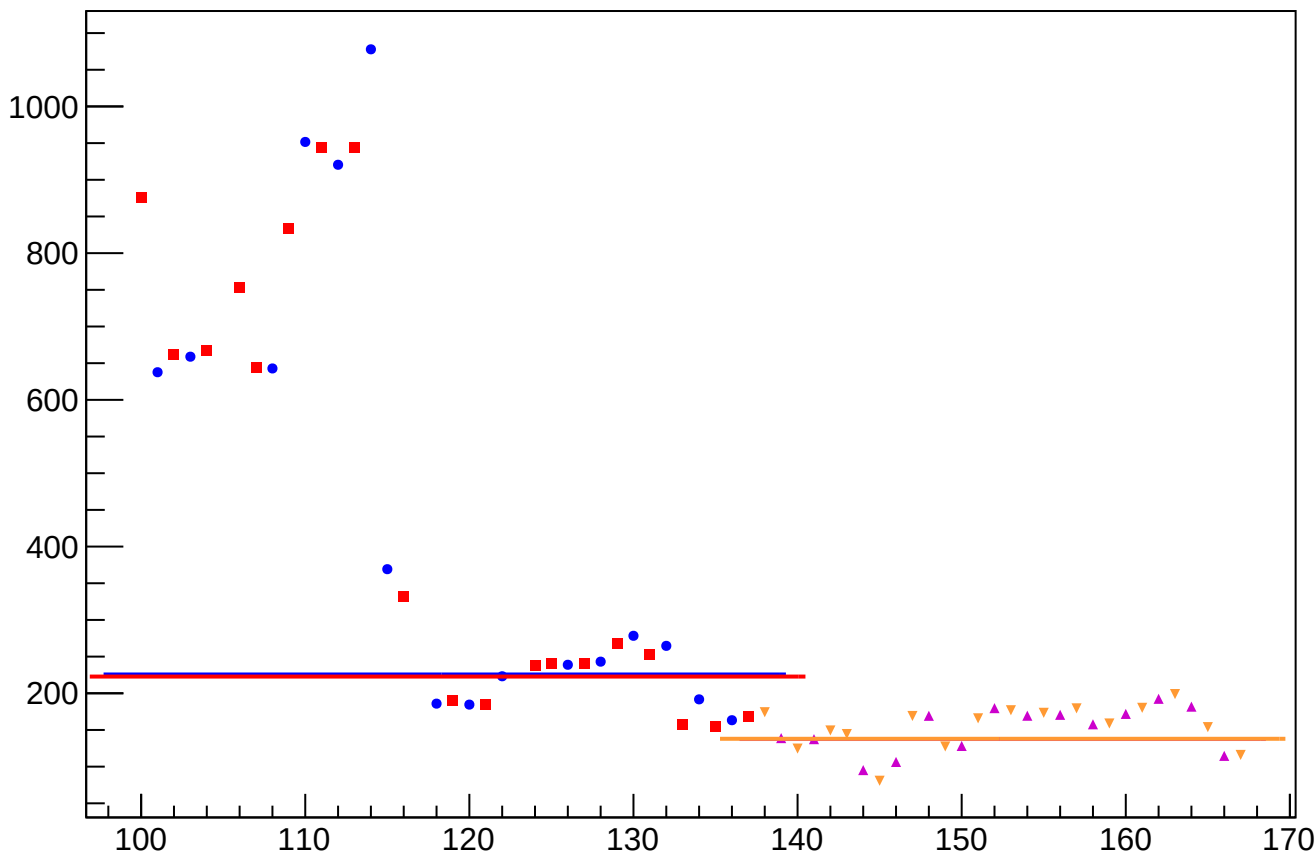
Left In: -55.050+/-41.983 χ^2/NDF : 14.7/13

+ sign -146.508+/-37.072 χ^2/NDF : 32.3/31

All: -107.848+/-26.664 χ^2/NDF : 66.1/64

- sign -66.415+/-38.378 χ^2/NDF : 31.5/32

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: 137.954 $\pm$ 0.028 χ^2 /NDF:1597809.0/15

Right Out: 222.786 $\pm$ 0.067 χ^2 /NDF: 3848156.1/18

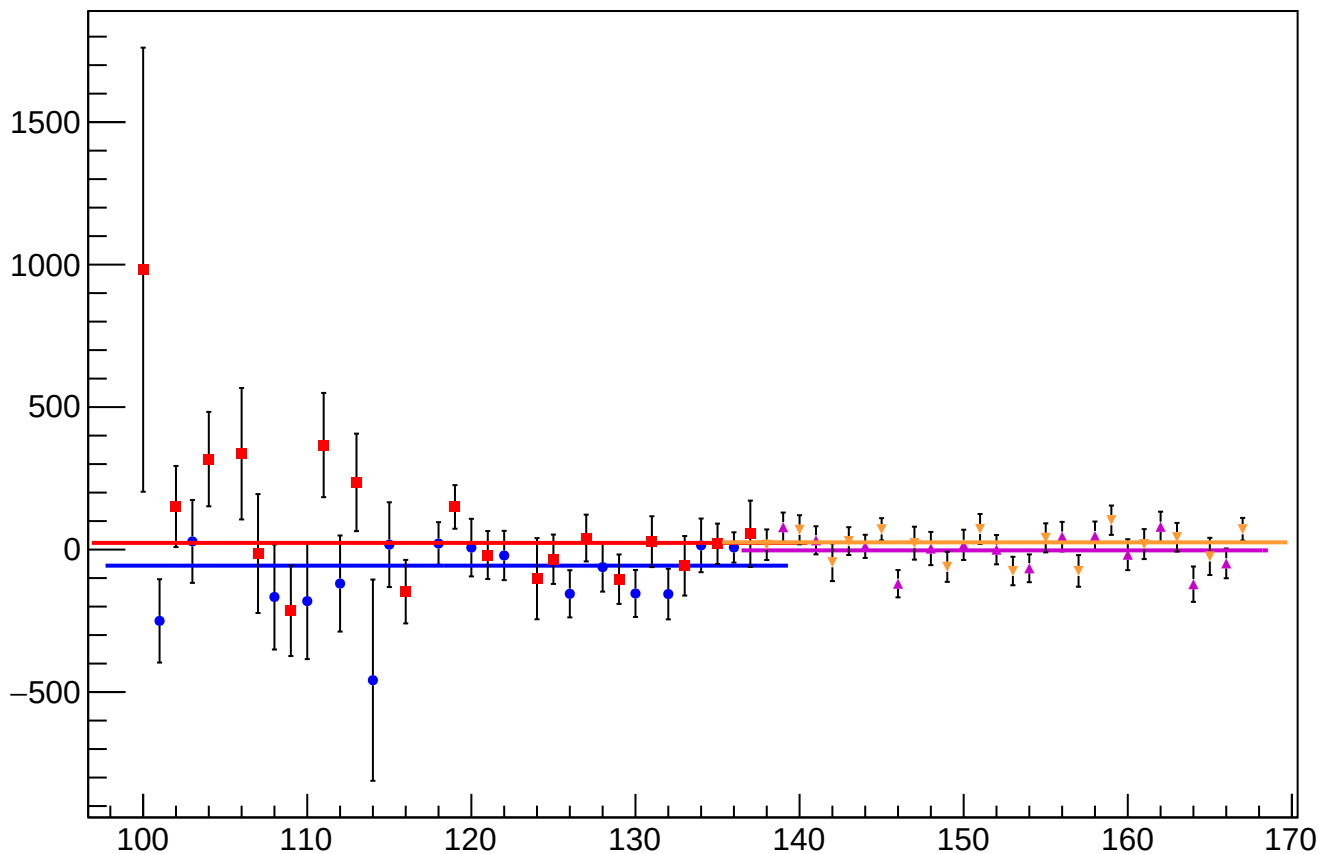
Left In: 137.659 $\pm$ 0.030 χ^2 /NDF:1094645.1/13

+ sign 151.447 $\pm$ 0.026 χ^2 /NDF: 6080120.7/31

All: 151.545 $\pm$ 0.019 χ^2 /NDF: 12374406.6/64

- sign 151.650 $\pm$ 0.027 χ^2 /NDF: 6294256.7/32

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415 ± 24.489 $\chi^2/\text{NDF}: 12.3/15$

Left Out: 25.398 ± 12.743 $\chi^2/\text{NDF}: 18.4/15$

Right Out: 23.498 ± 25.160 $\chi^2/\text{NDF}: 24.1/18$

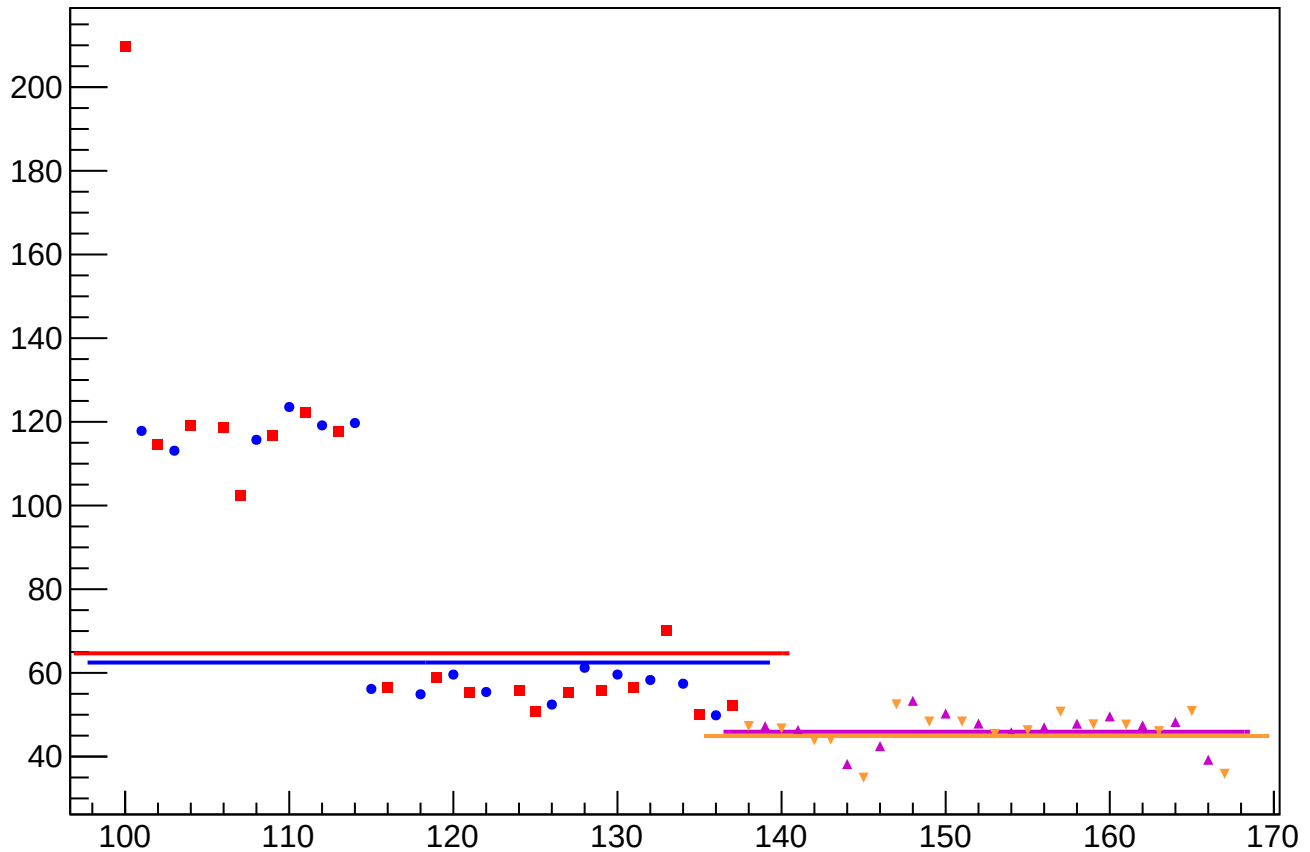
Left In: -2.772 ± 13.667 $\chi^2/\text{NDF}: 19.7/13$

+ sign 7.966 ± 11.304 $\chi^2/\text{NDF}: 39.4/31$

All: 5.733 ± 8.231 $\chi^2/\text{NDF}: 84.1/64$

- sign 3.213 ± 12.010 $\chi^2/\text{NDF}: 44.6/32$

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474 $\pm$ 0.017 χ^2 /NDF: 1348204.7/15

Left Out: 44.907 $\pm$ 0.009 χ^2 /NDF: 344095.0/15

Right Out: 64.680 $\pm$ 0.018 χ^2 /NDF: 1590426.1/18

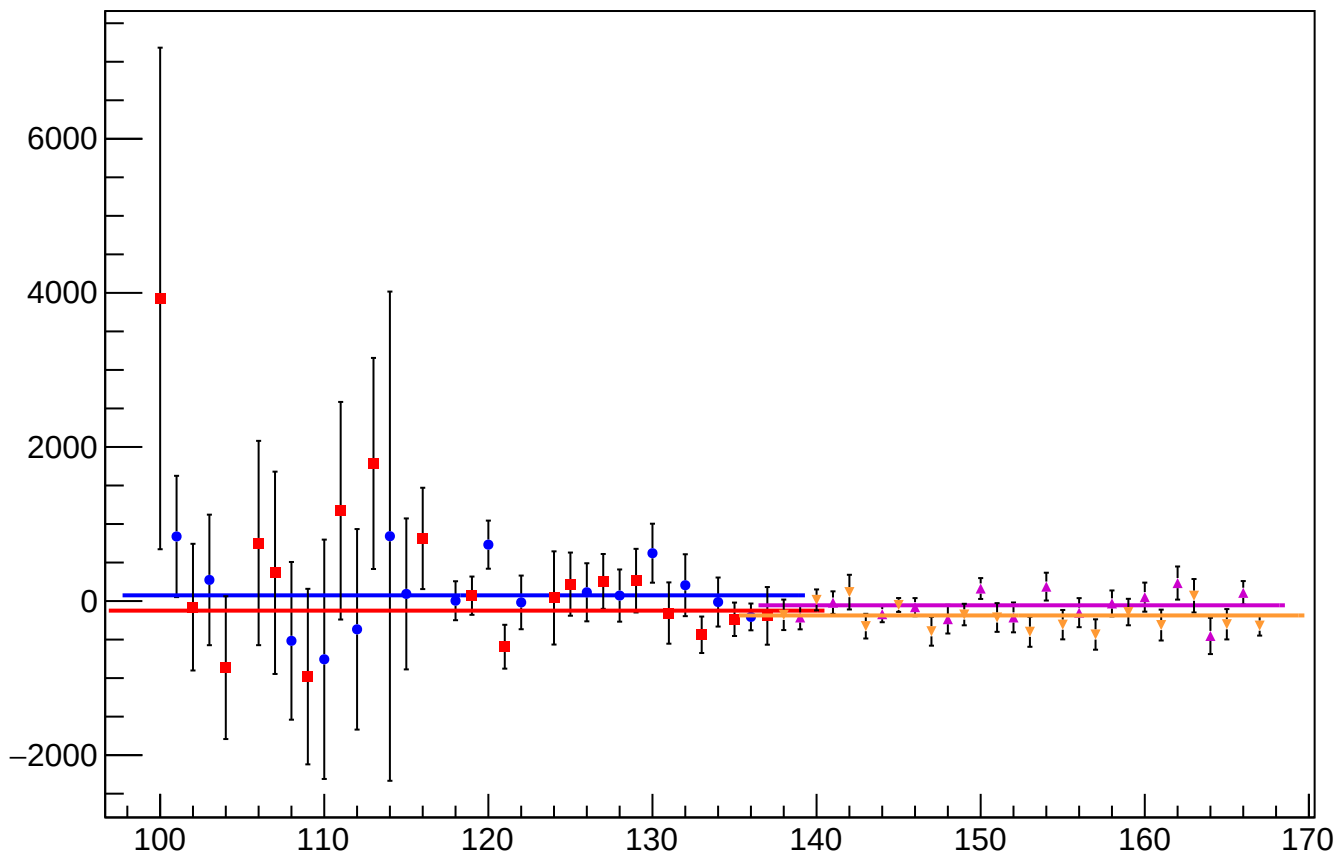
Left In: 45.935 $\pm$ 0.010 χ^2 /NDF: 182391.6/13

+ sign 48.650 $\pm$ 0.008 χ^2 /NDF: 2502145.6/31

All: 49.381 $\pm$ 0.006 χ^2 /NDF: 5149982.3/64

- sign 50.205 $\pm$ 0.008 χ^2 /NDF: 2630053.3/32

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: -186.676+/-40.303 χ^2/NDF : 14.7/15

Right Out: -124.199+/-94.666 χ^2/NDF : 16.3/18

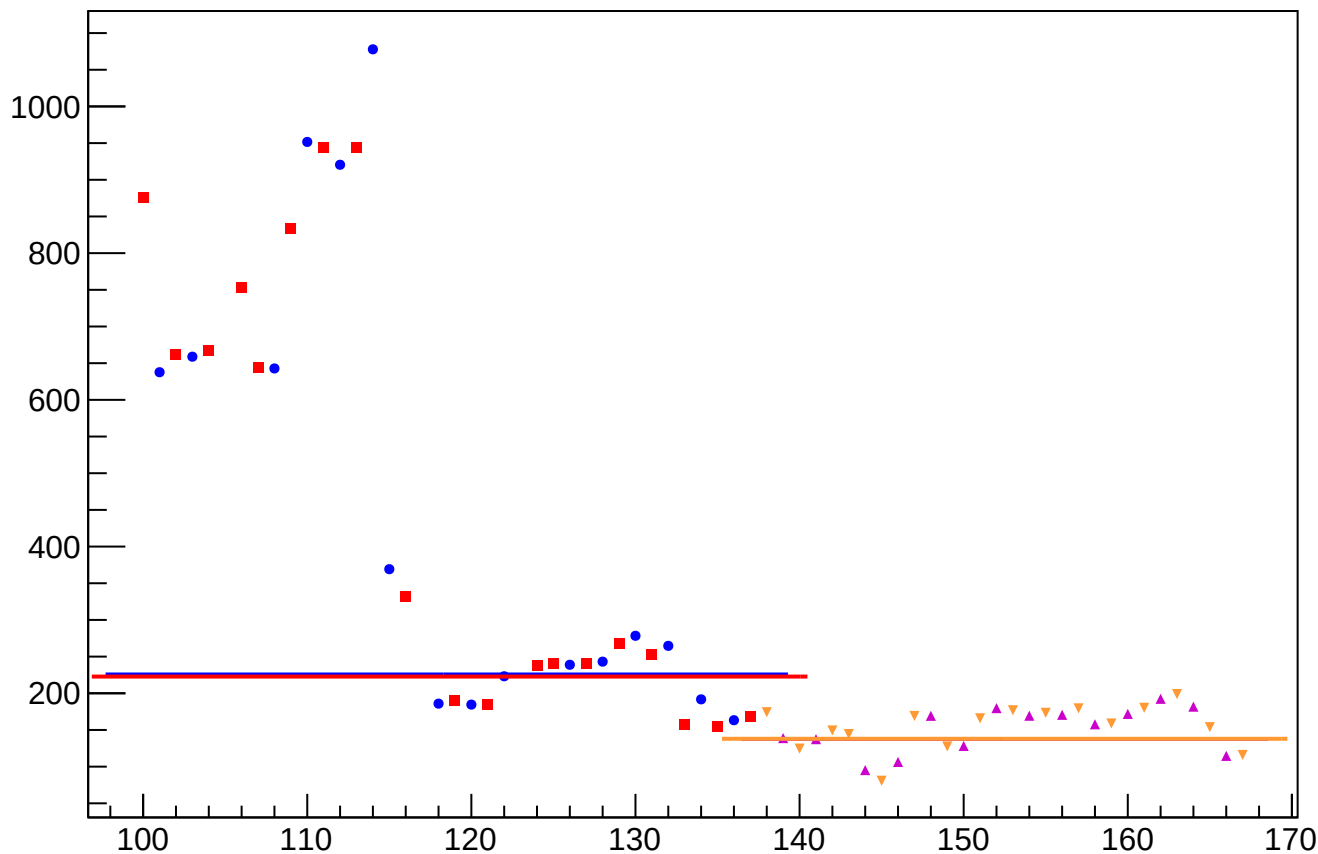
Left In: -55.050+/-41.983 χ^2/NDF : 14.7/13

+ sign -146.508+/-37.072 χ^2/NDF : 32.3/31

All: -107.848+/-26.664 χ^2/NDF : 66.1/64

- sign -66.415+/-38.379 χ^2/NDF : 31.5/32

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: 137.954 $\pm$ 0.028 χ^2 /NDF:1597801.9/15

Right Out: 222.787 $\pm$ 0.067 χ^2 /NDF: 3848136.6/18

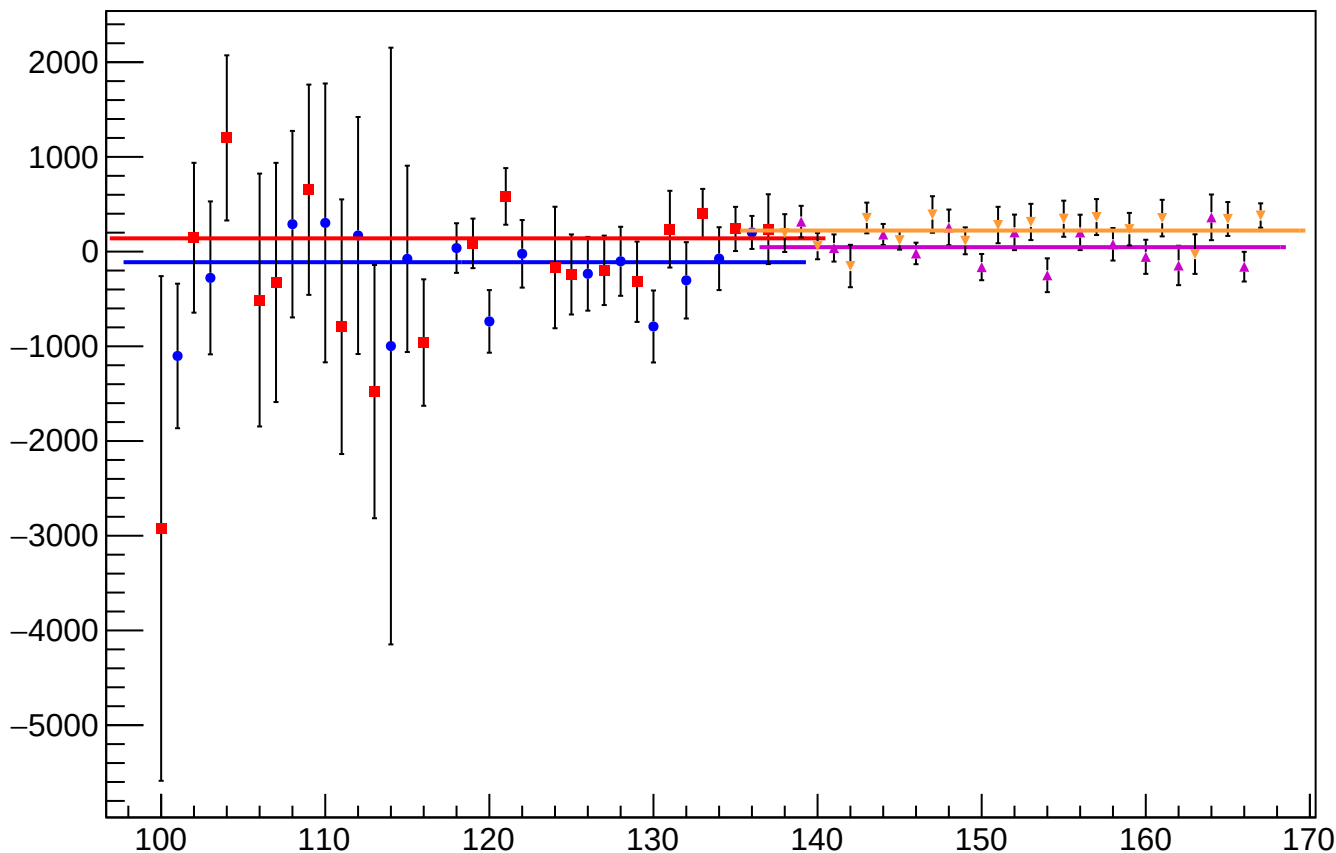
Left In: 137.659 $\pm$ 0.030 χ^2 /NDF:1094648.3/13

+ sign 151.447 $\pm$ 0.026 χ^2 /NDF: 6080092.5/31

All: 151.545 $\pm$ 0.019 χ^2 /NDF: 12374369.9/64

- sign 151.651 $\pm$ 0.027 χ^2 /NDF: 6294248.4/32

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916 ± 96.551 χ^2/NDF : 12.8/15

Left Out: 222.371 ± 40.858 χ^2/NDF : 12.5/15

Right Out: 139.974 ± 99.174 χ^2/NDF : 14.6/18

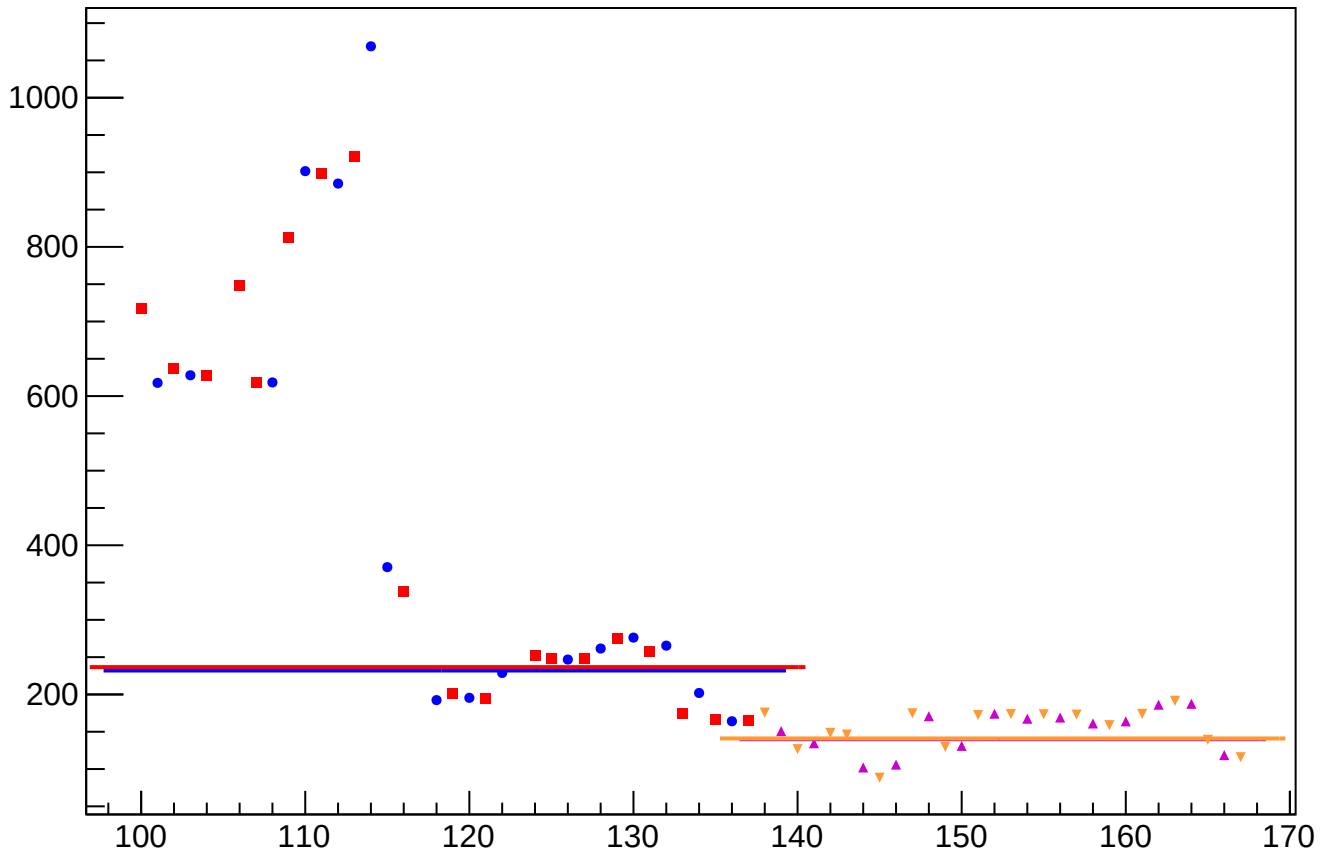
Left In: 46.962 ± 42.350 χ^2/NDF : 16.7/13

+ sign 171.599 ± 37.628 χ^2/NDF : 35.5/31

All: 118.353 ± 27.061 χ^2/NDF : 71.8/64

- sign 61.307 ± 38.947 χ^2/NDF : 32.1/32

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF : 2885510.6/15

Left Out: 140.984+/-0.029 χ^2/NDF :1227642.8/15

Right Out: 236.647+/-0.070 χ^2/NDF : 3521033.7/18

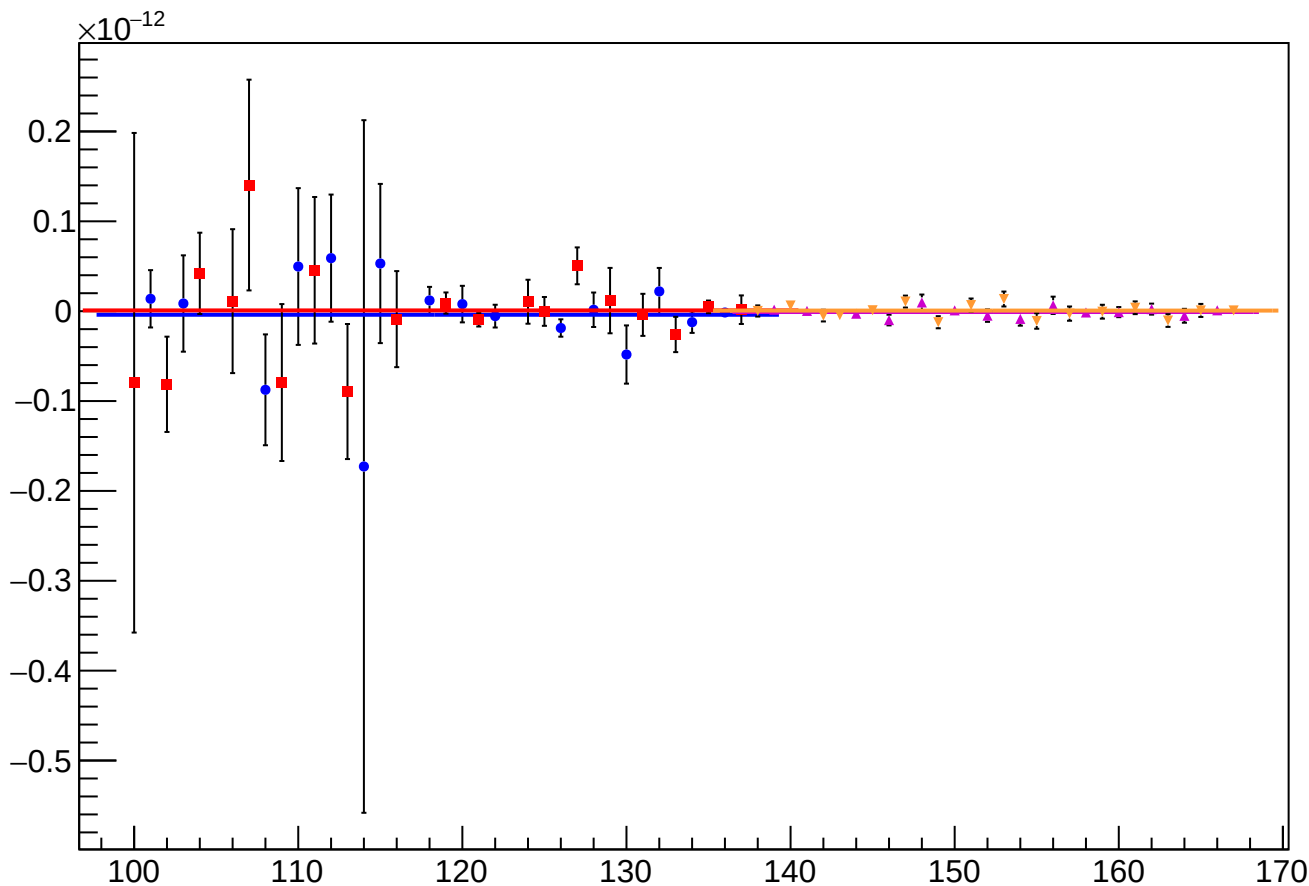
Left In: 139.971+/-0.030 χ^2/NDF :925789.1/13

+ sign 154.824+/-0.027 χ^2/NDF : 5624031.6/31

All: 154.852+/-0.019 χ^2/NDF : 11678253.0/64

- sign 154.881+/-0.028 χ^2/NDF : 6054219.2/32

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 : 17.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.1/18

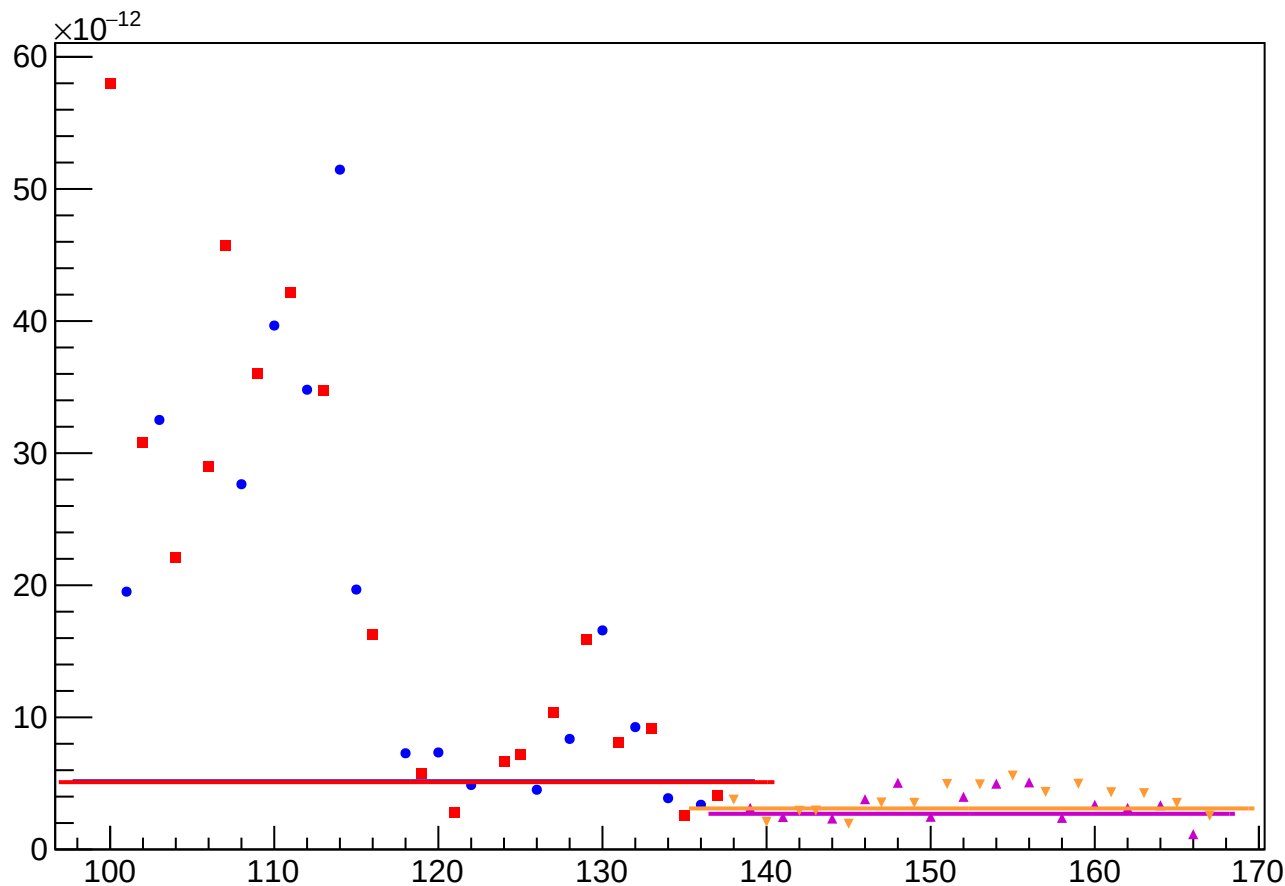
Left In: -0.000 ± 0.000 χ^2/NDF : 7.4/13

+ sign 0.000 ± 0.000 χ^2/NDF : 30.8/31

All: -0.000 ± 0.000 χ^2/NDF : 56.6/64

- sign -0.000 ± 0.000 χ^2/NDF : 25.7/32

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 :1182635.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3236196.8/18

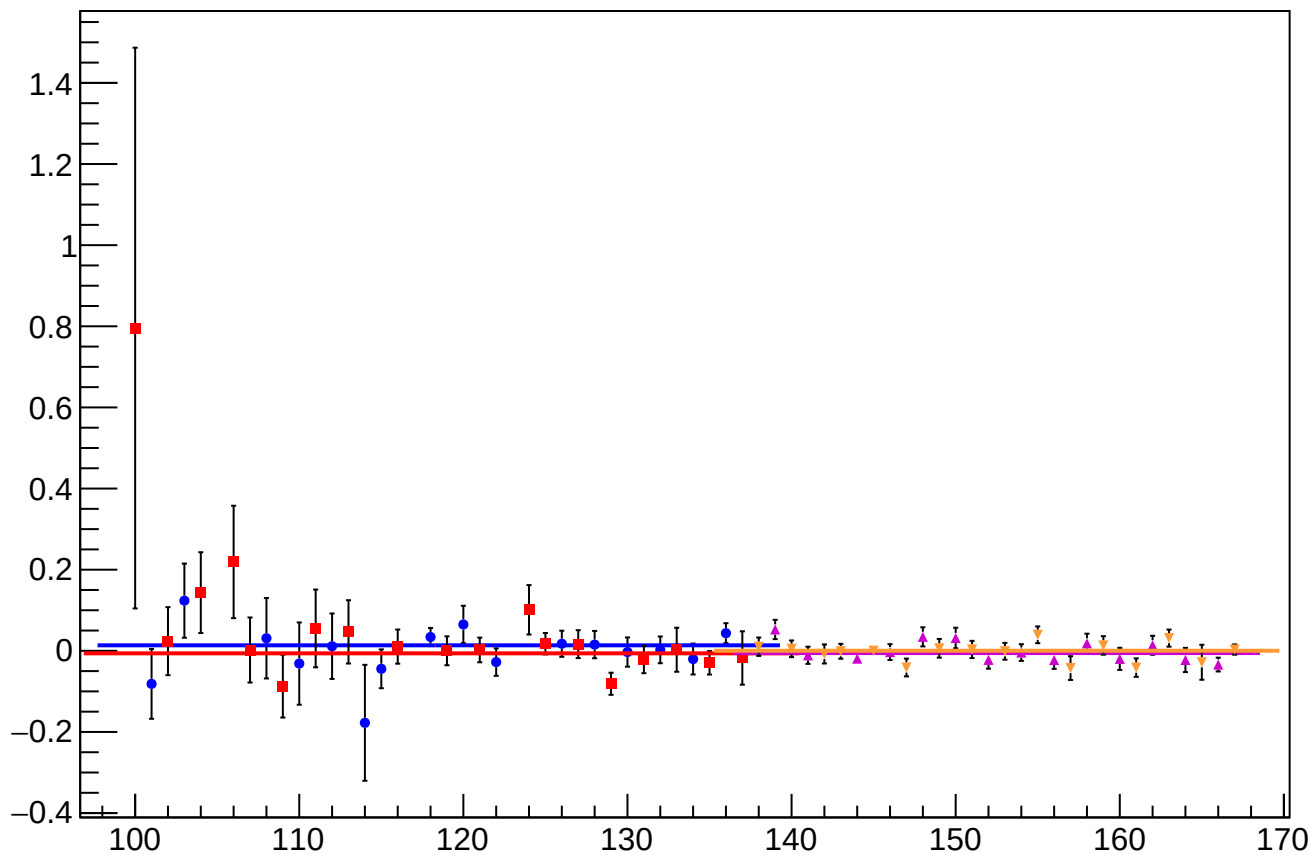
Left In: 0.000+/-0.000 χ^2/NDF :1160799.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 4350024.8/31

All: 0.000+/-0.000 χ^2/NDF : 9500826.6/64

- sign 0.000+/-0.000 χ^2/NDF : 5052561.0/32

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.010 χ^2/NDF : 12.3/15

Left Out: 0.000 ± 0.005 χ^2/NDF : 16.1/15

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

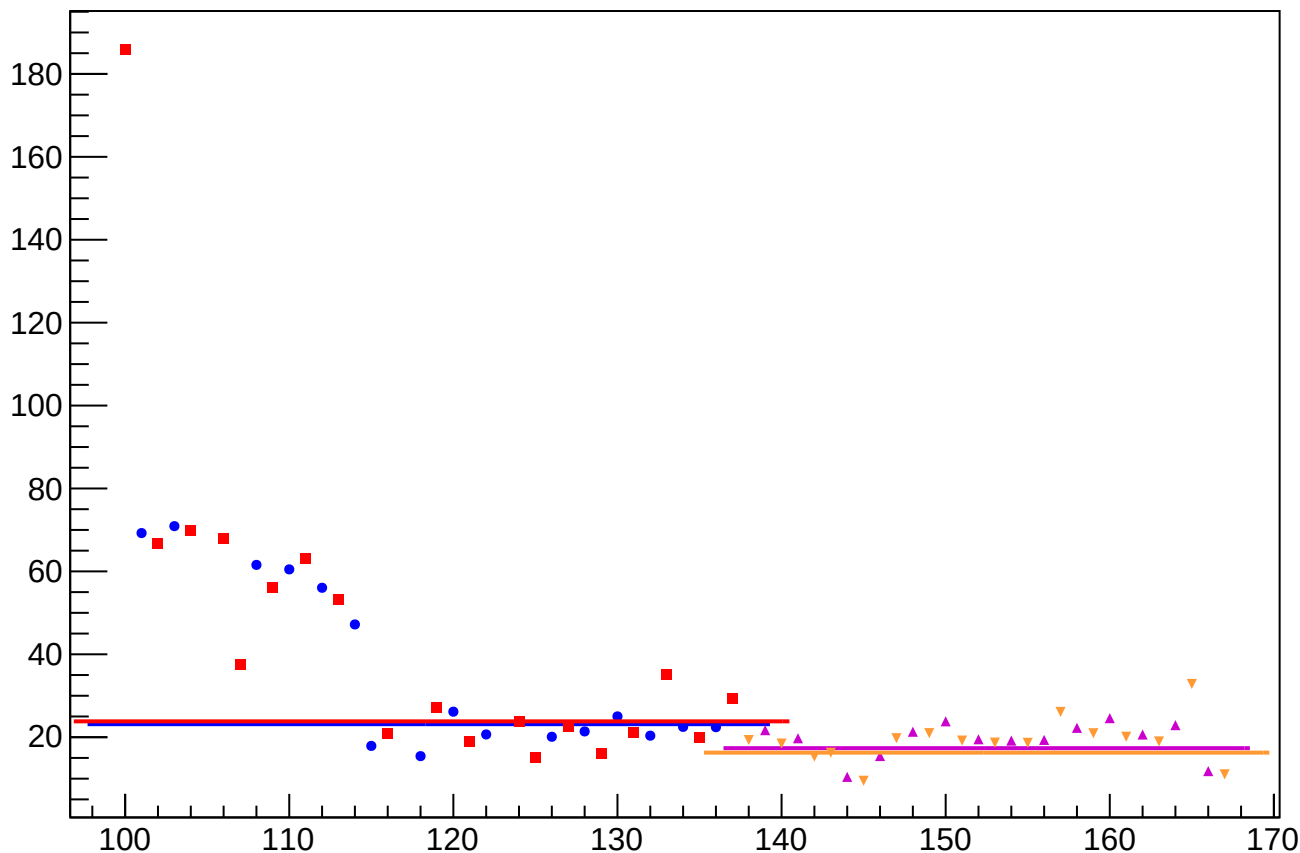
Left In: -0.005 ± 0.005 χ^2/NDF : 18.7/13

+ sign 0.003 ± 0.004 χ^2/NDF : 29.9/31

All: -0.001 ± 0.003 χ^2/NDF : 71.8/64

- sign -0.006 ± 0.005 χ^2/NDF : 40.2/32

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF : 2406426.8/15

Left Out: 16.282+/-0.003 χ^2/NDF : 2044238.8/15

Right Out: 23.825+/-0.007 χ^2/NDF : 2898916.7/18

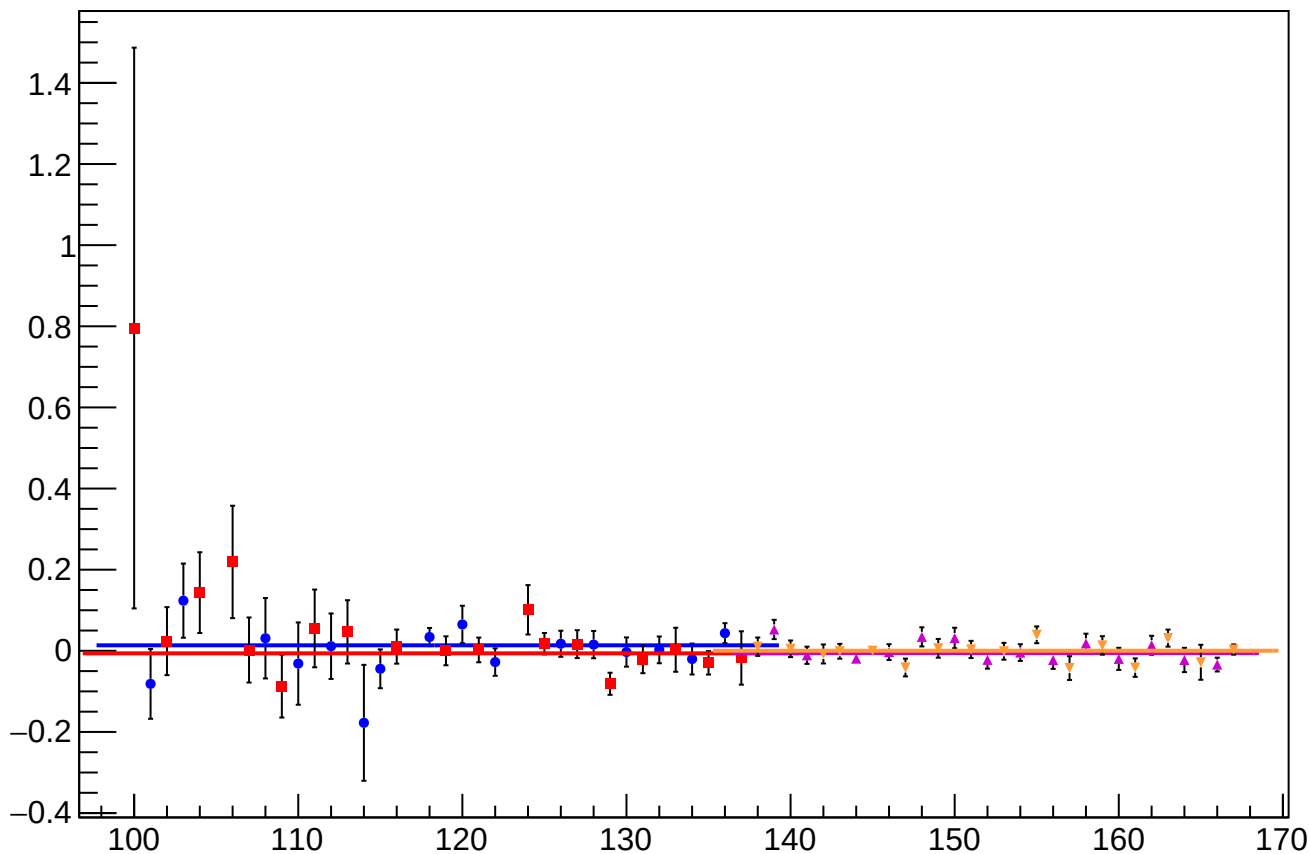
Left In: 17.358+/-0.004 χ^2/NDF : 1585882.1/13

+ sign 17.639+/-0.003 χ^2/NDF : 5230189.8/31

All: 18.181+/-0.002 χ^2/NDF : 10419232.5/64

- sign 18.838+/-0.003 χ^2/NDF : 5121217.2/32

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: 0.000 ± 0.005 χ^2/NDF : 16.1/15

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

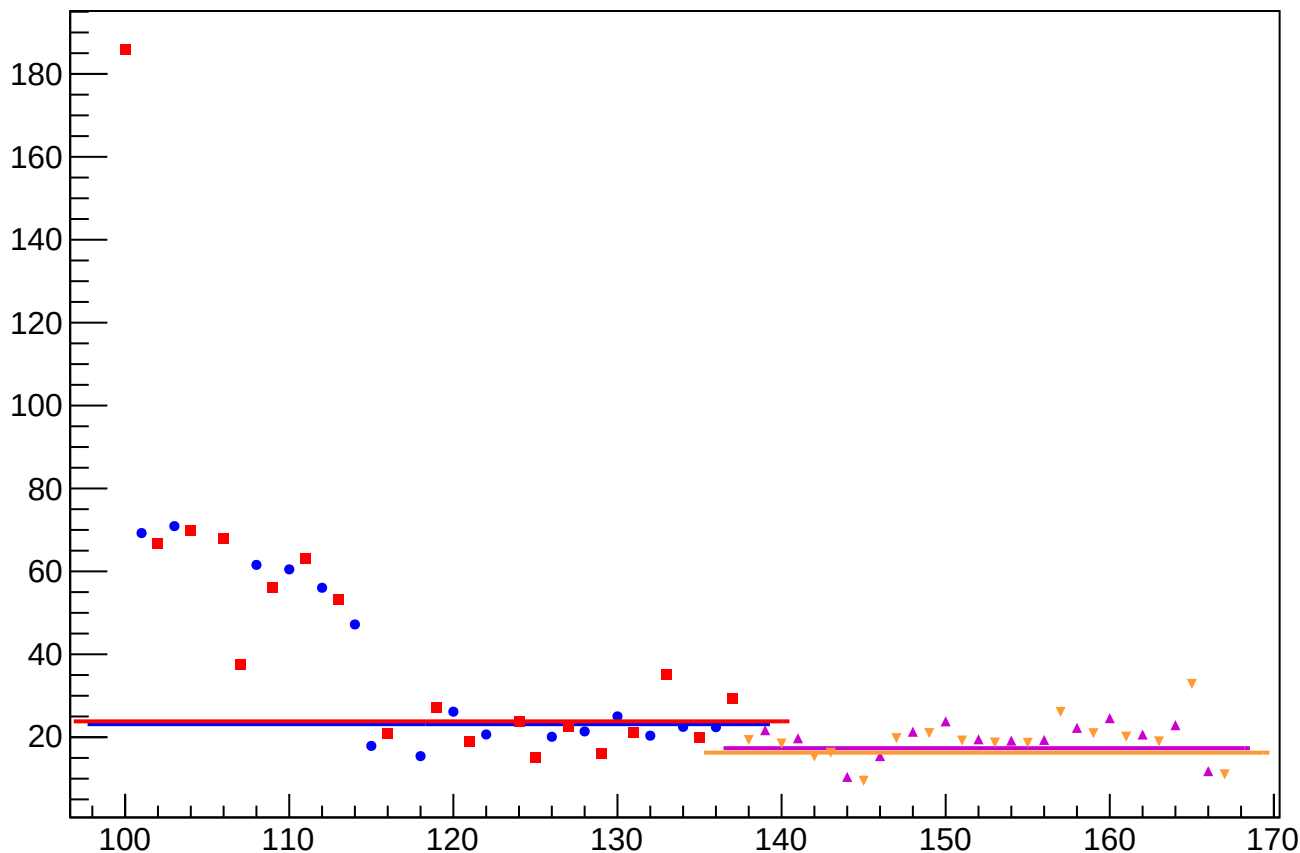
Left In: -0.005 ± 0.005 χ^2/NDF : 18.7/13

+ sign 0.003 ± 0.004 χ^2/NDF : 29.9/31

All: -0.001 ± 0.003 χ^2/NDF : 71.8/64

- sign -0.006 ± 0.005 χ^2/NDF : 40.2/32

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: 16.282+/-0.003 χ^2/NDF : 2044238.8/15

Right Out: 23.825+/-0.007 χ^2/NDF : 2898916.7/18

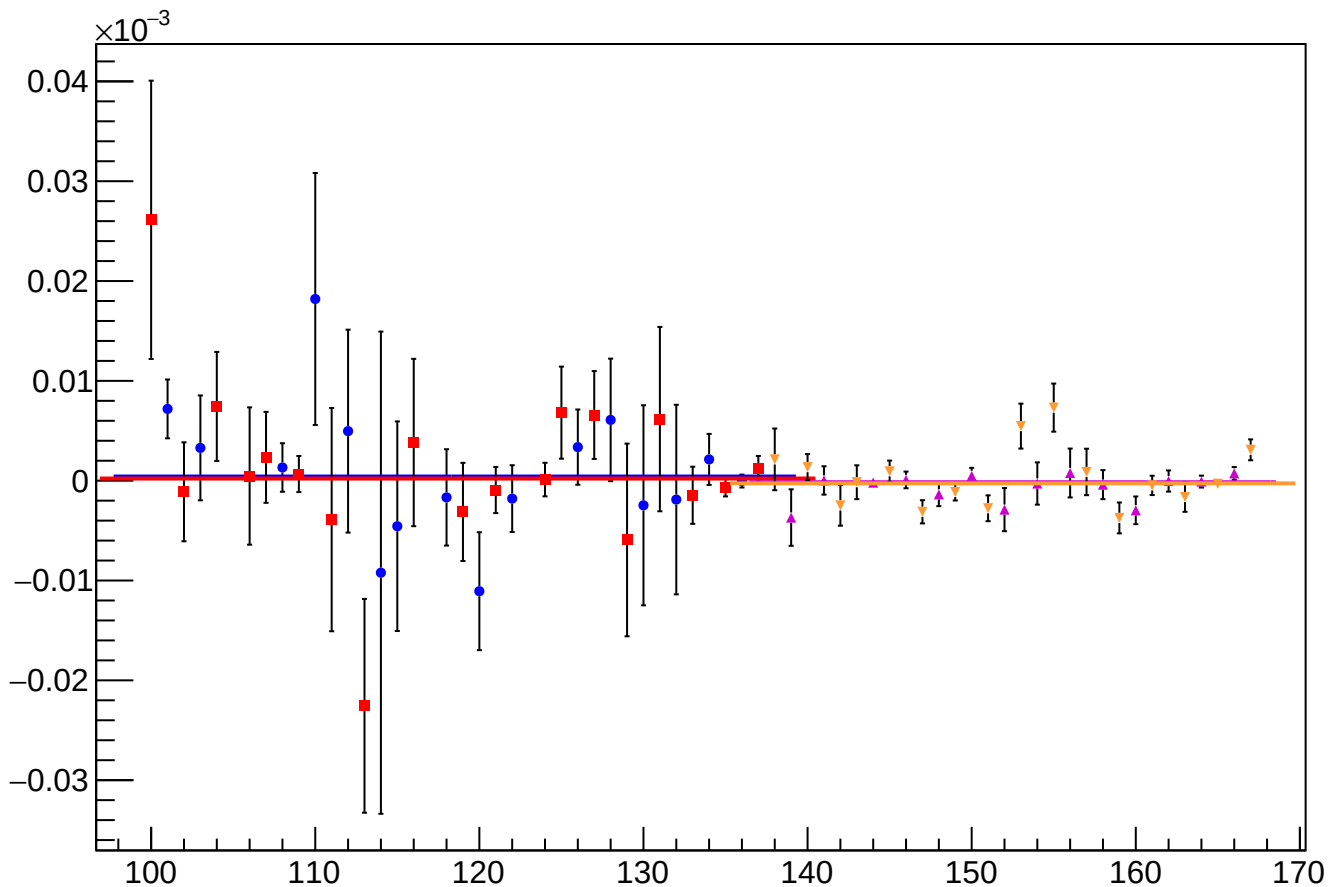
Left In: 17.358+/-0.004 χ^2/NDF : 1585882.1/13

+ sign 17.639+/-0.003 χ^2/NDF : 5230189.8/31

All: 18.181+/-0.002 χ^2/NDF : 10419232.5/64

- sign 18.838+/-0.003 χ^2/NDF : 5121217.2/32

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 15.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 48.3/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.9/18

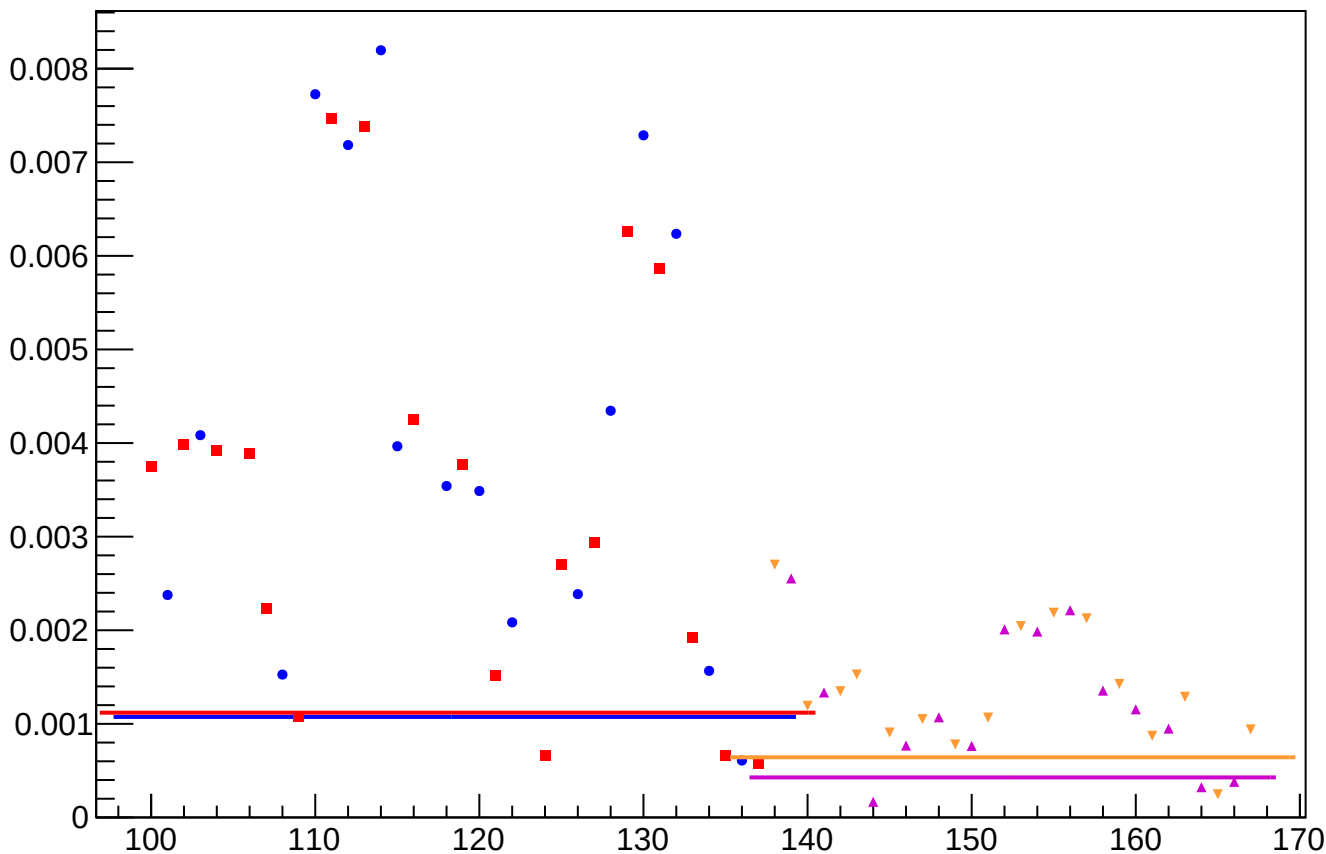
Left In: -0.000 ± 0.000 χ^2/NDF : 11.2/13

+ sign -0.000 ± 0.000 χ^2/NDF : 64.8/31

All: -0.000 ± 0.000 χ^2/NDF : 94.3/64

- sign -0.000 ± 0.000 χ^2/NDF : 29.5/32

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 : 9357551.3/15

Right Out: 0.001+/-0.000 χ^2/NDF : 6796343.2/18

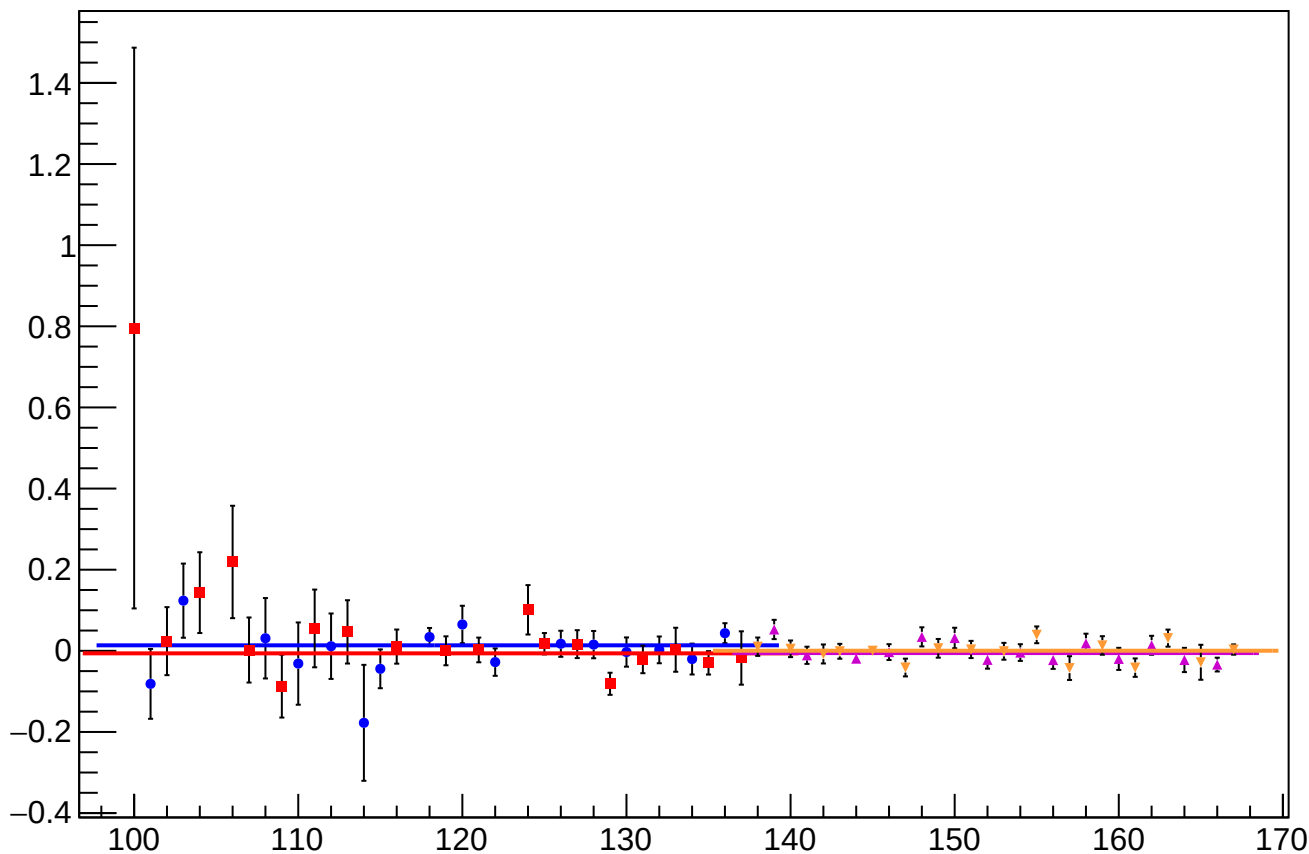
Left In: 0.000+/-0.000 χ^2/NDF : 10460766.5/13

+ sign 0.001+/-0.000 χ^2/NDF : 17406958.2/31

All: 0.001+/-0.000 χ^2/NDF : 38429278.4/64

- sign 0.000+/-0.000 χ^2/NDF : 19918879.9/32

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.010 χ^2/NDF : 12.3/15

Left Out: 0.000 ± 0.005 χ^2/NDF : 16.1/15

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

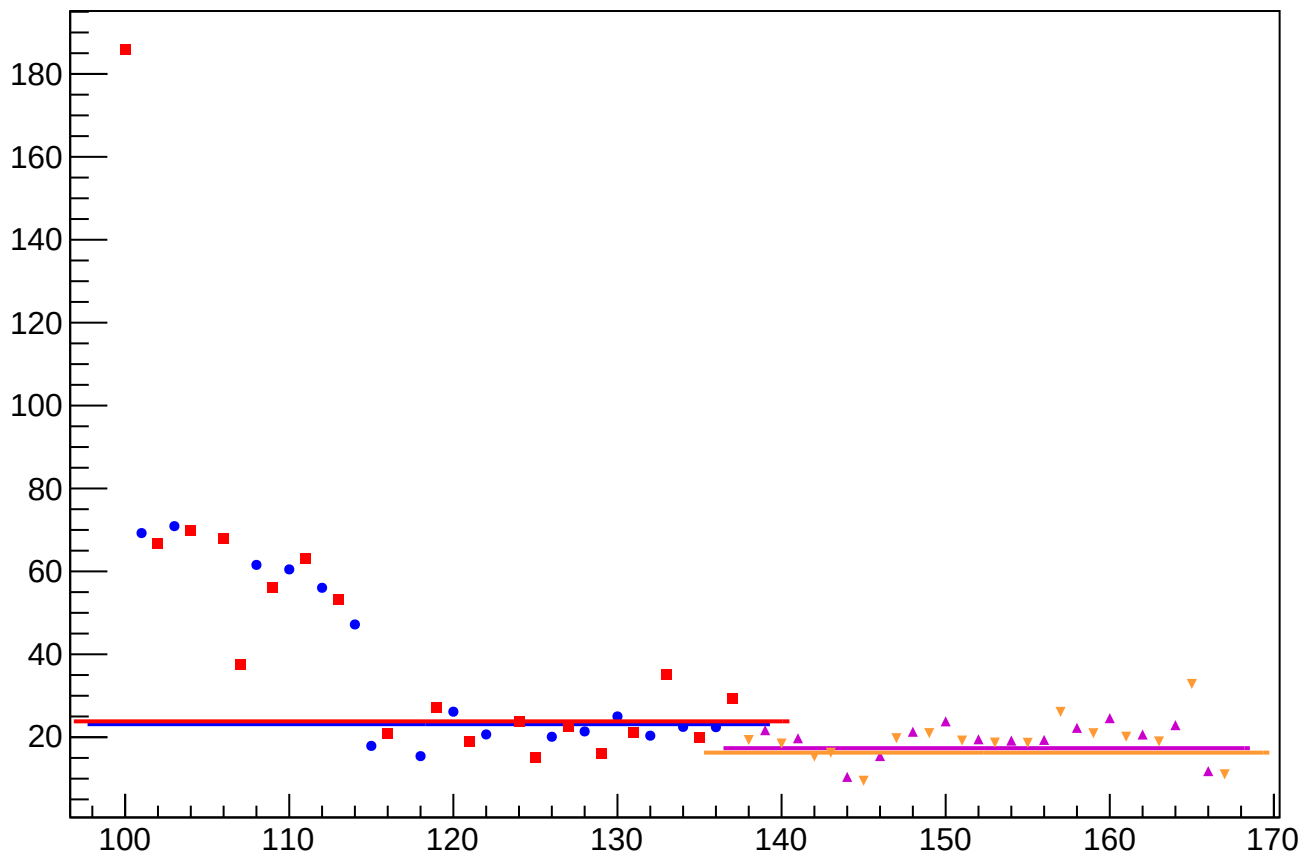
Left In: -0.005 ± 0.005 χ^2/NDF : 18.7/13

+ sign 0.003 ± 0.004 χ^2/NDF : 29.9/31

All: -0.001 ± 0.003 χ^2/NDF : 71.8/64

- sign -0.006 ± 0.005 χ^2/NDF : 40.2/32

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.144+/-0.007 χ^2/NDF : 2406451.1/15

Left Out: 16.282+/-0.003 χ^2/NDF : 2044388.3/15

Right Out: 23.824+/-0.007 χ^2/NDF : 2898863.9/18

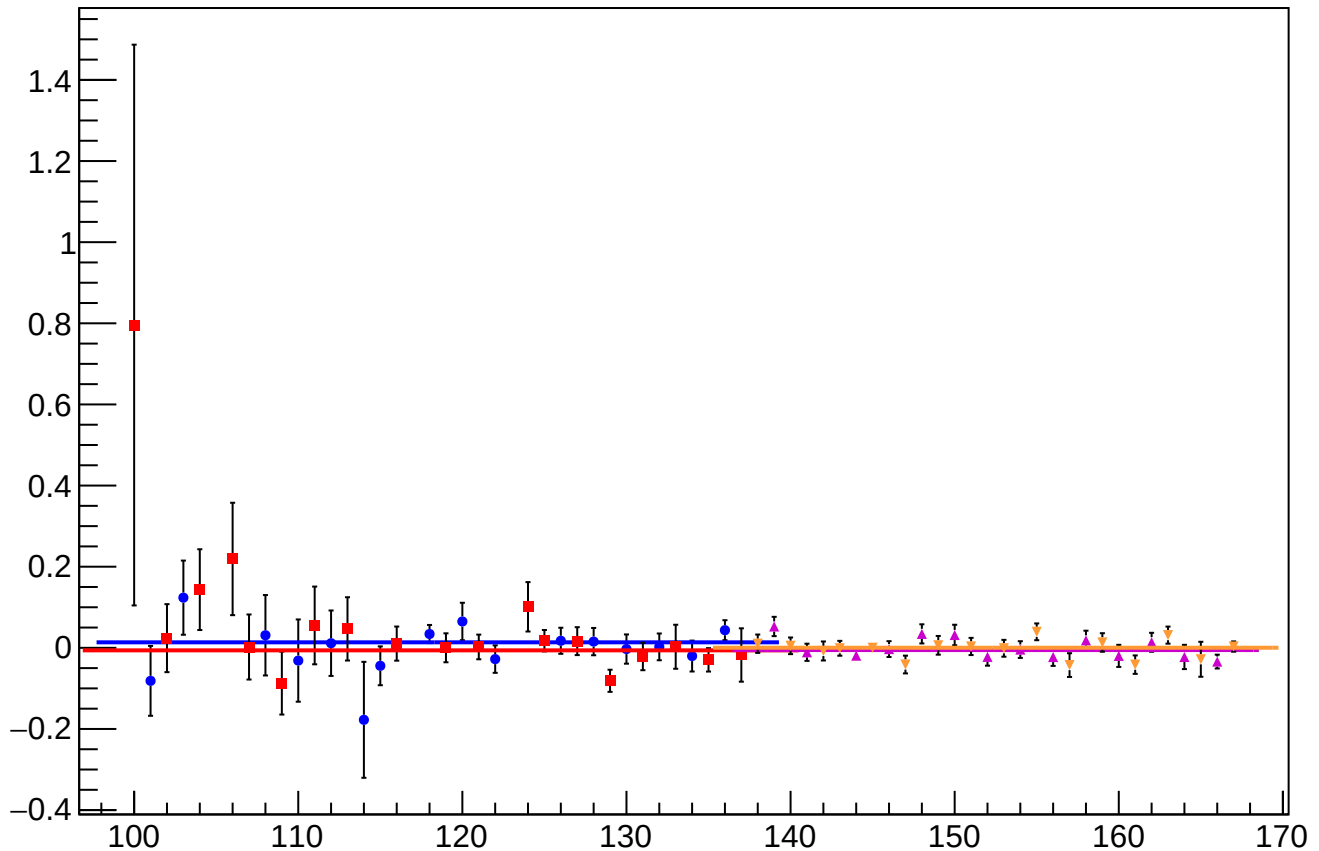
Left In: 17.358+/-0.004 χ^2/NDF : 1585865.8/13

+ sign 17.639+/-0.003 χ^2/NDF : 5230121.4/31

All: 18.181+/-0.002 χ^2/NDF : 10418983.8/64

- sign 18.838+/-0.003 χ^2/NDF : 5121015.9/32

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.010 χ^2/NDF : 12.3/15

Left Out: 0.000 ± 0.005 χ^2/NDF : 16.1/15

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

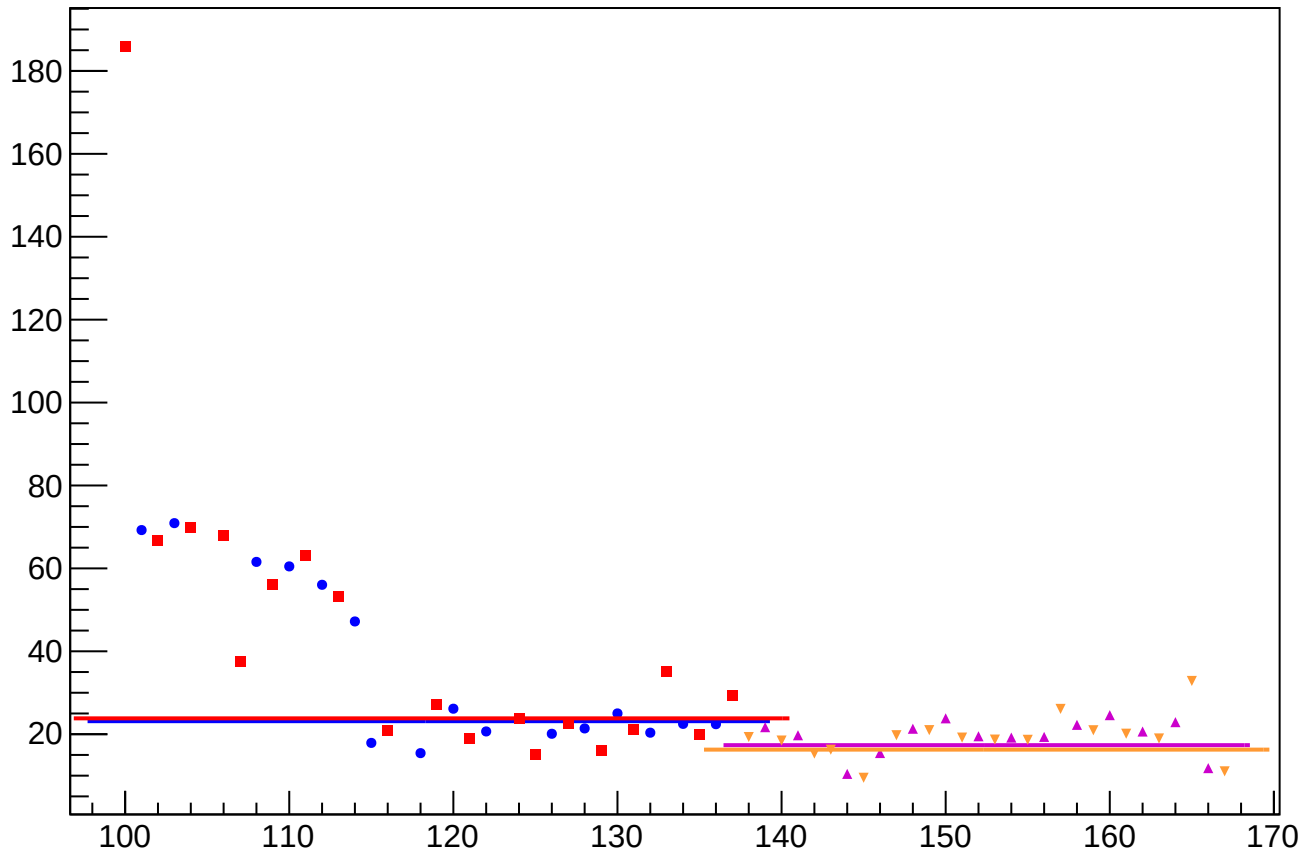
Left In: -0.005 ± 0.005 χ^2/NDF : 18.7/13

+ sign 0.003 ± 0.004 χ^2/NDF : 29.9/31

All: -0.001 ± 0.003 χ^2/NDF : 71.8/64

- sign -0.006 ± 0.005 χ^2/NDF : 40.2/32

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.144 ± 0.007 $\chi^2/\text{NDF}: 2406451.1/15$

Left Out: 16.282 ± 0.003 $\chi^2/\text{NDF}: 2044388.3/15$

Right Out: 23.824 ± 0.007 $\chi^2/\text{NDF}: 2898863.9/18$

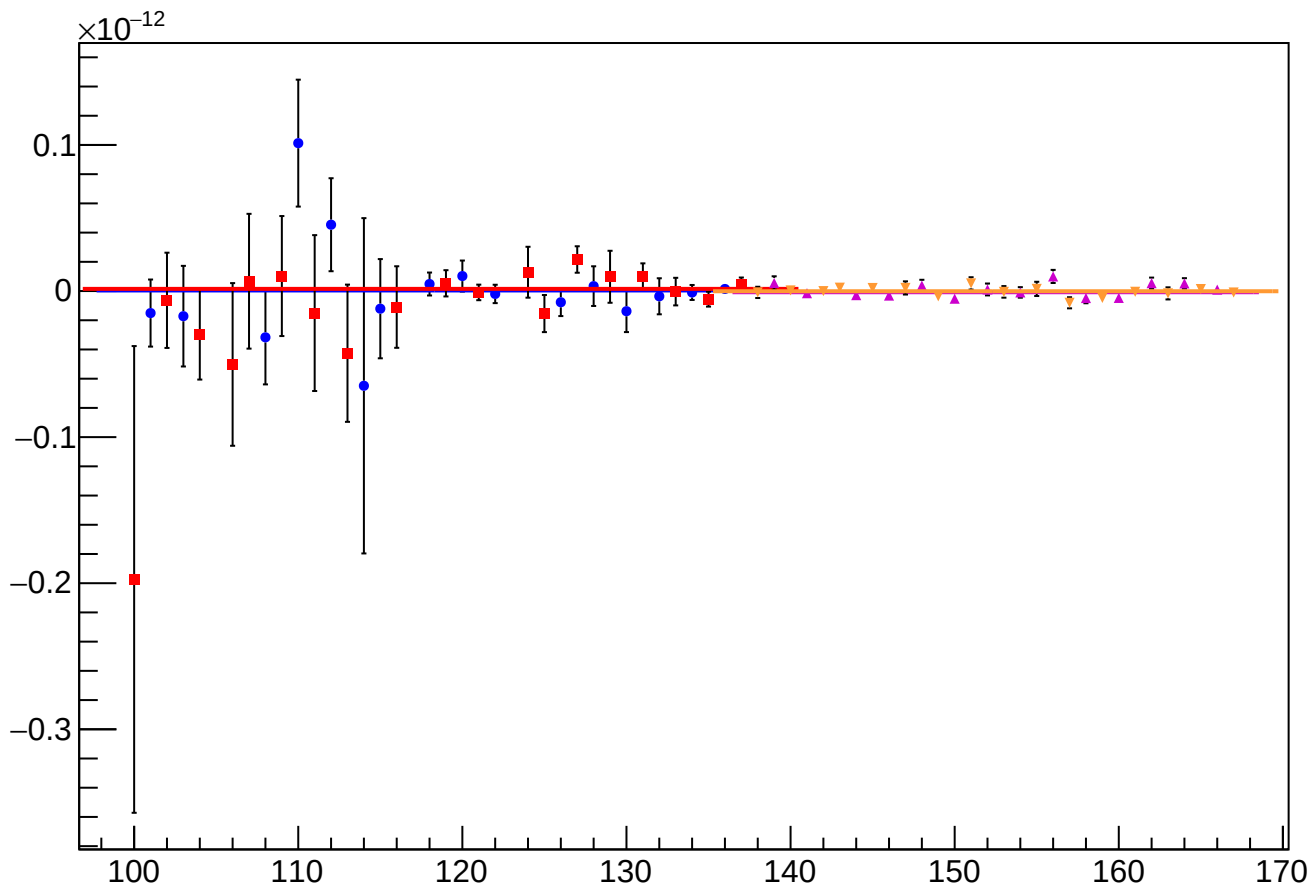
Left In: 17.358 ± 0.004 $\chi^2/\text{NDF}: 1585865.8/13$

+ sign 17.639 ± 0.003 $\chi^2/\text{NDF}: 5230121.4/31$

All: 18.181 ± 0.002 $\chi^2/\text{NDF}: 10418983.8/64$

- sign 18.838 ± 0.003 $\chi^2/\text{NDF}: 5121015.9/32$

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:12.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

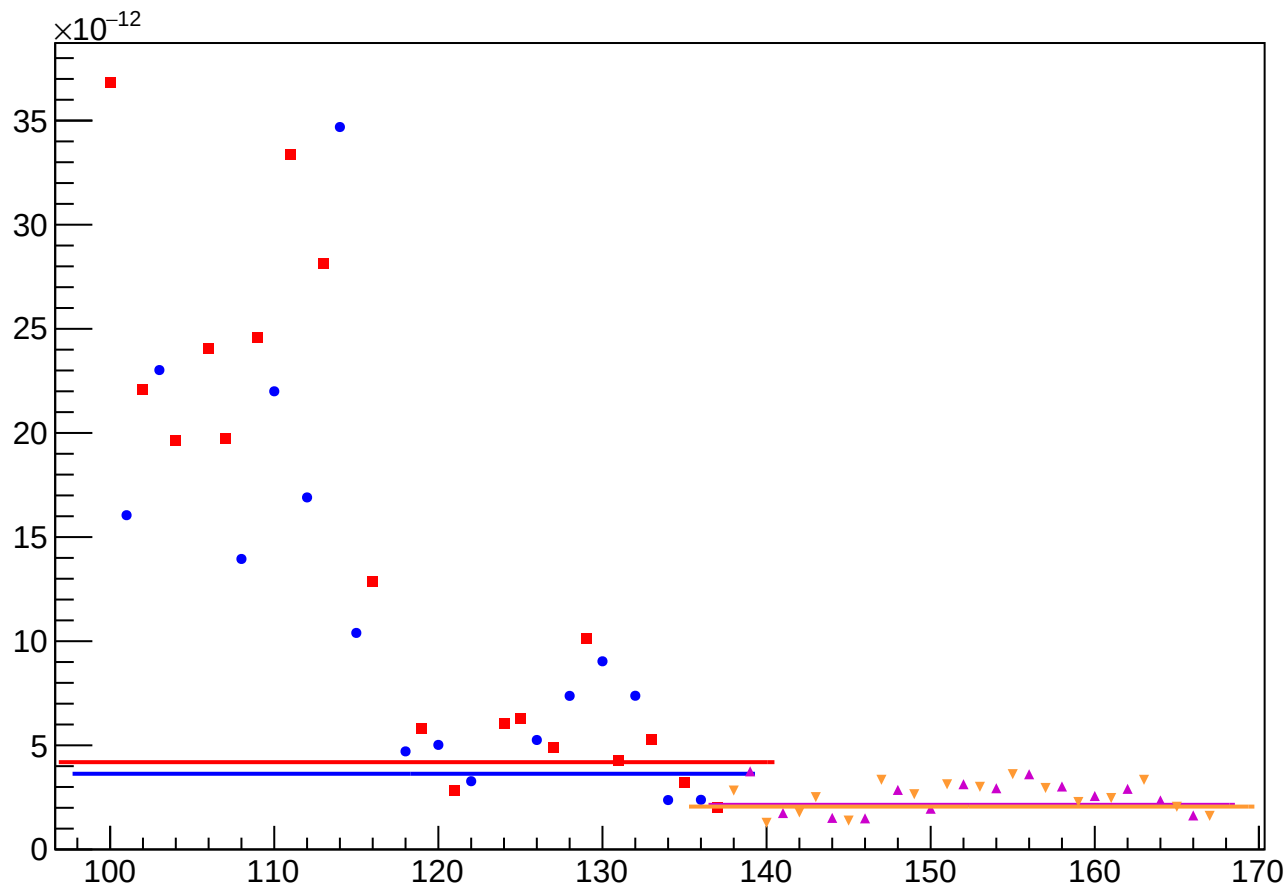
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:22.9/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 65.1/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.3/32

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3590314.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1932097.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4454808.3/18

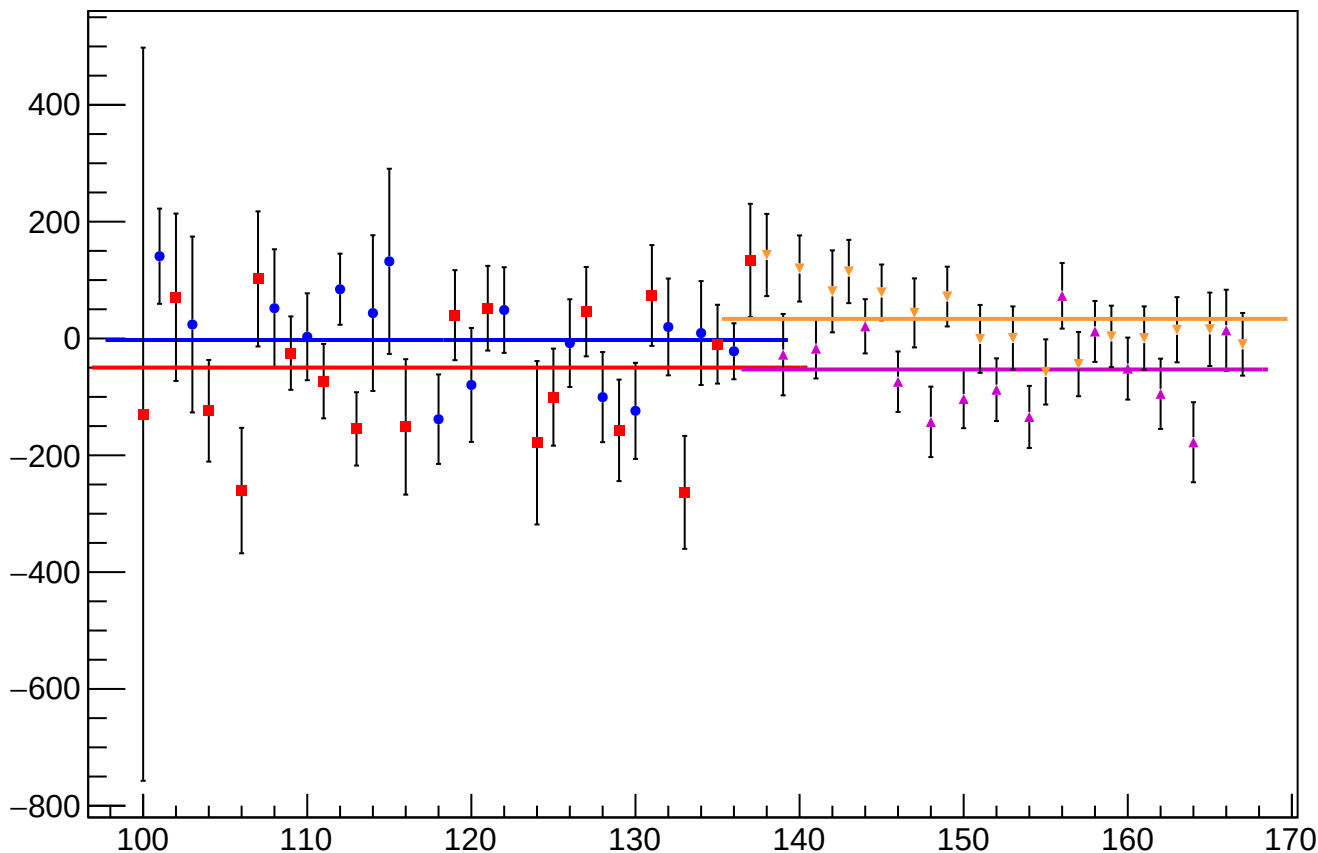
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1533732.9/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6565570.3/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 13936764.3/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7346240.1/32

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614 ± 19.994 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 33.561 ± 14.036 $\chi^2/\text{NDF}: 15.8/15$

Right Out: -49.810 ± 19.621 $\chi^2/\text{NDF}: 29.4/18$

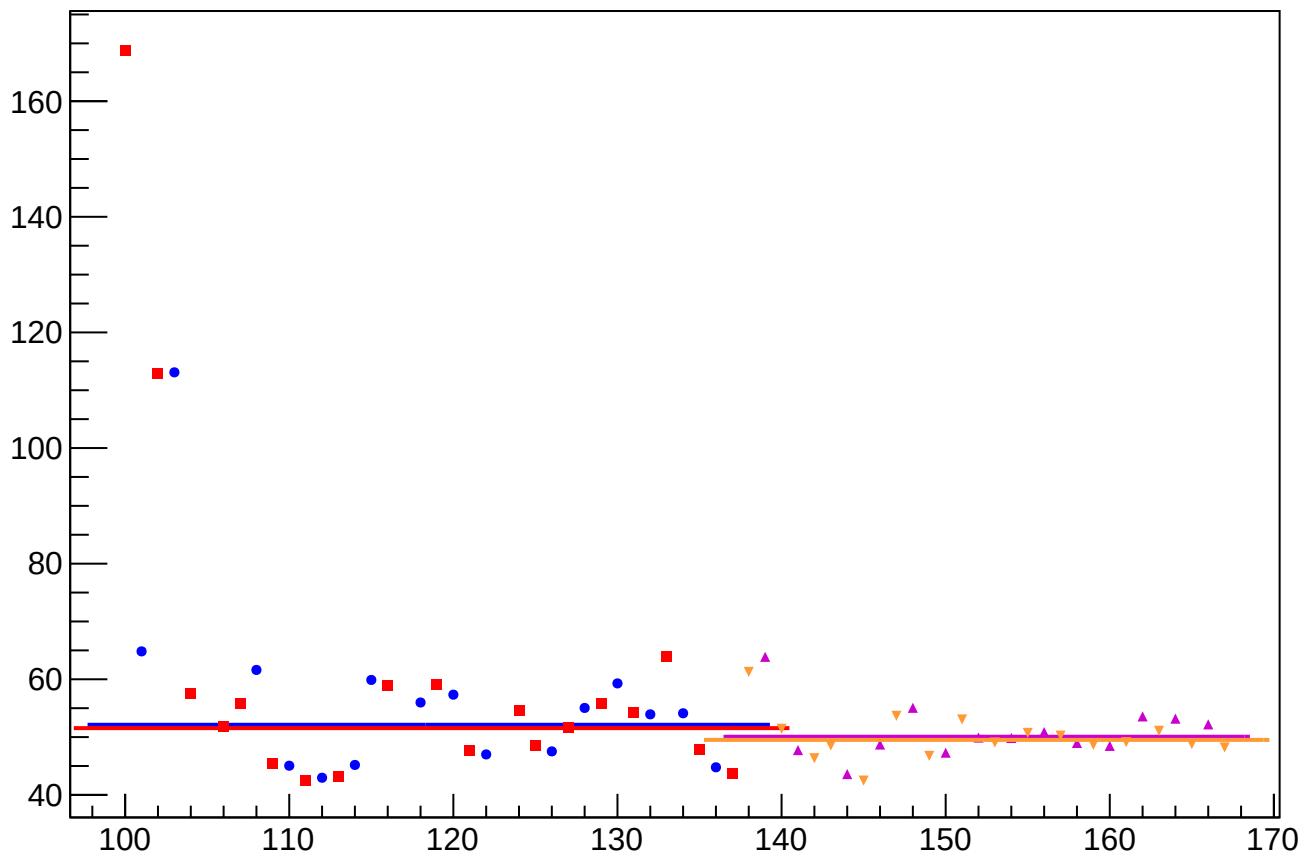
Left In: -53.046 ± 14.844 $\chi^2/\text{NDF}: 20.6/13$

+ sign 21.619 ± 11.488 $\chi^2/\text{NDF}: 32.6/31$

All: -14.021 ± 8.244 $\chi^2/\text{NDF}: 102.4/64$

- sign -51.868 ± 11.838 $\chi^2/\text{NDF}: 50.0/32$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF : 562918.0/15

Left Out: 49.516+/-0.010 χ^2/NDF :134540.3/15

Right Out: 51.550+/-0.014 χ^2/NDF : 639564.9/18

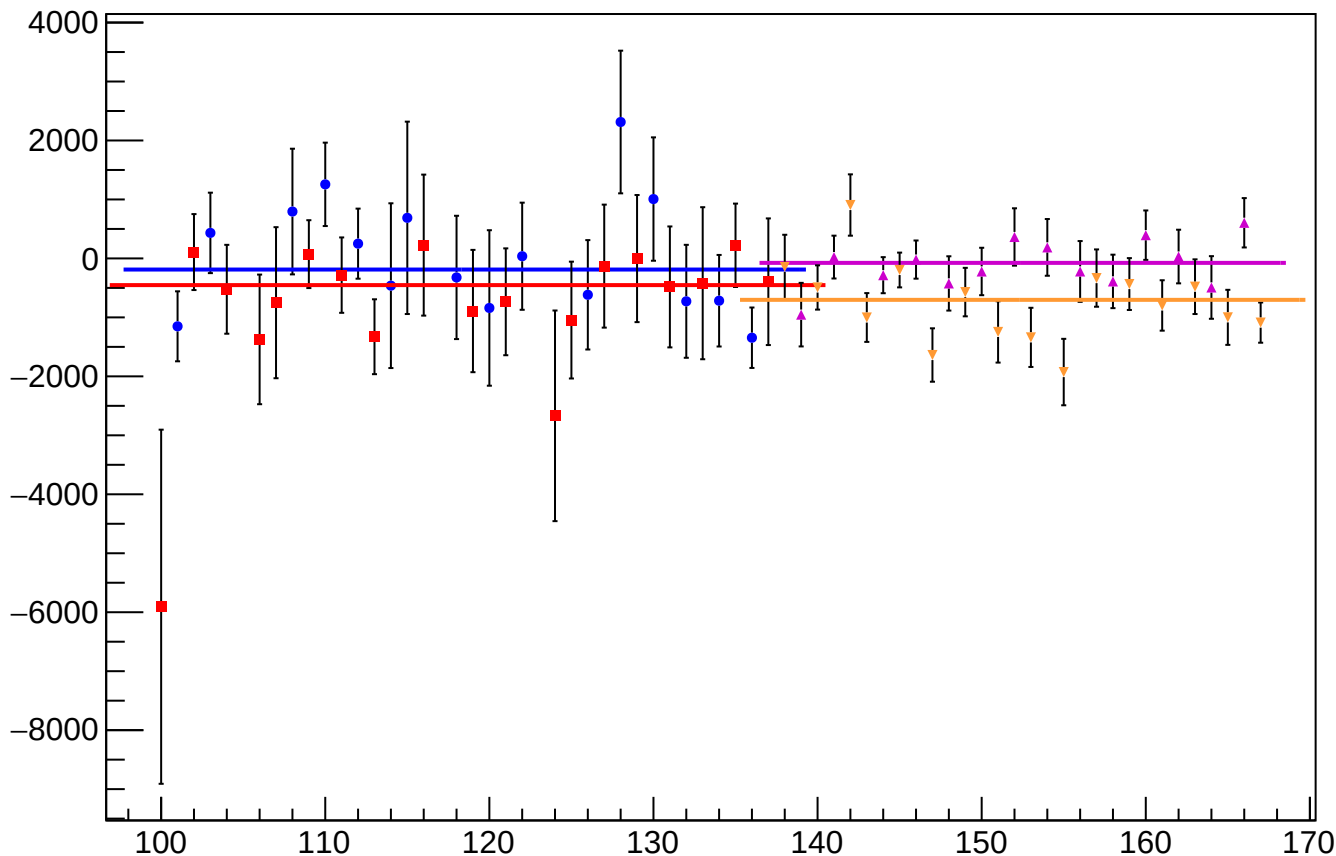
Left In: 50.061+/-0.010 χ^2/NDF :158675.7/13

+ sign 50.378+/-0.008 χ^2/NDF : 720335.7/31

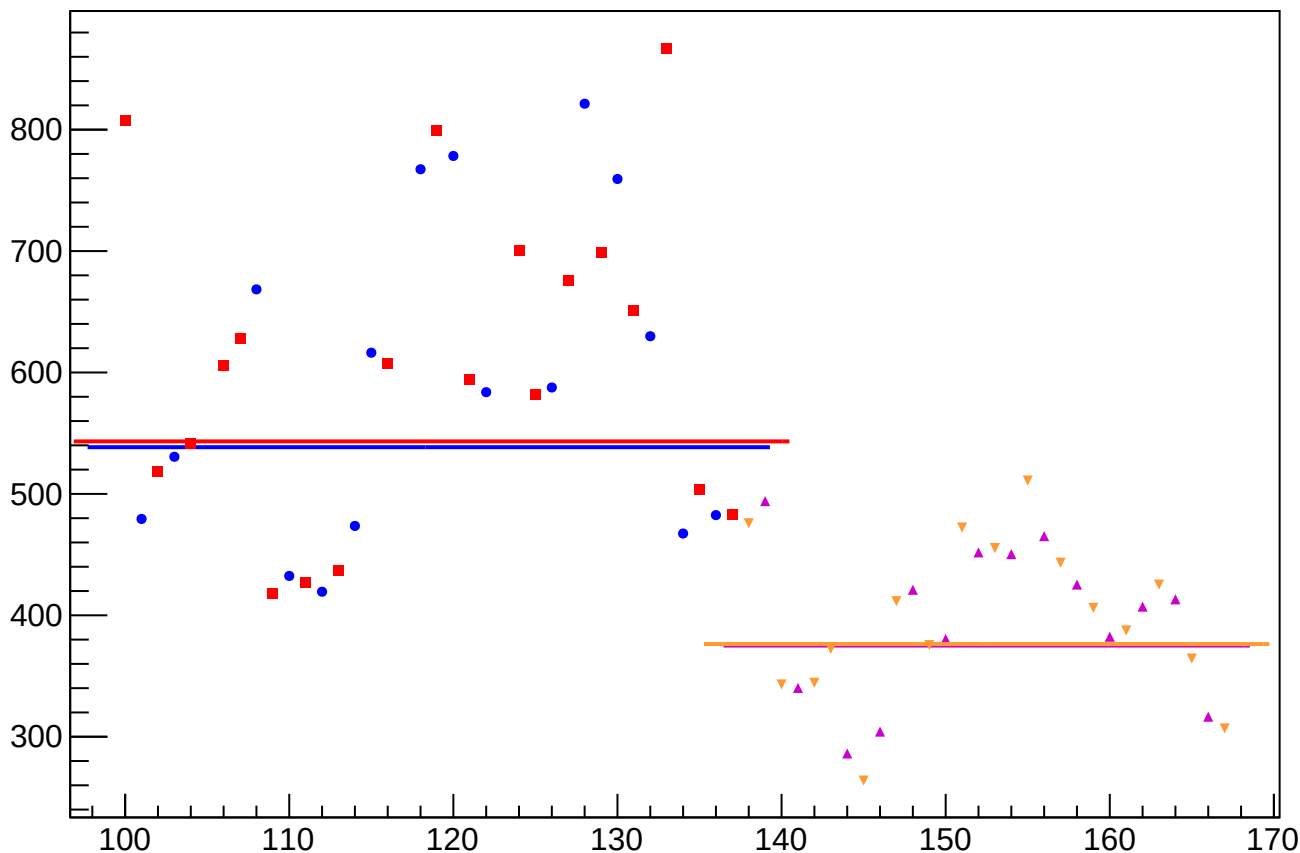
All: 50.487+/-0.006 χ^2/NDF : 1526272.0/64

- sign 50.603+/-0.008 χ^2/NDF : 805565.3/32

asym_sam_1357_avg_reg_correction_mean vs Slug



asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468 $\pm$ 0.146 χ^2 /NDF: 613995.2/15

Left Out: 376.342 $\pm$ 0.076 χ^2 /NDF: 780294.8/15

Right Out: 543.242 $\pm$ 0.144 χ^2 /NDF: 637115.5/18

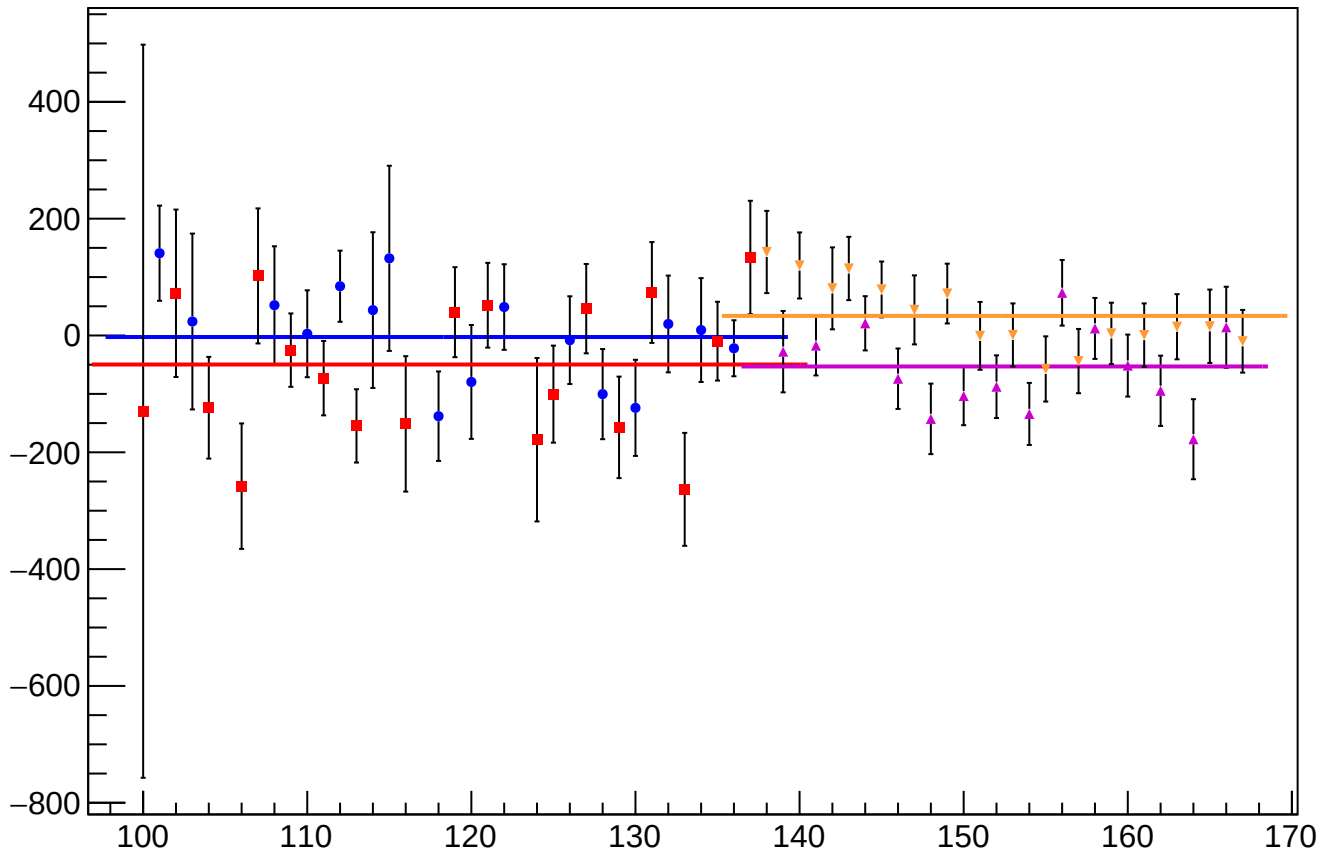
Left In: 375.091 $\pm$ 0.079 χ^2 /NDF: 645425.9/13

+ sign 411.313 $\pm$ 0.068 χ^2 /NDF: 2367657.3/31

All: 412.755 $\pm$ 0.048 χ^2 /NDF: 4694090.5/64

- sign 414.284 $\pm$ 0.070 χ^2 /NDF: 2325495.5/32

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 χ^2/NDF : 14.6/15

Left Out: 33.563 ± 14.036 χ^2/NDF : 15.8/15

Right Out: -49.694 ± 19.622 χ^2/NDF : 29.3/18

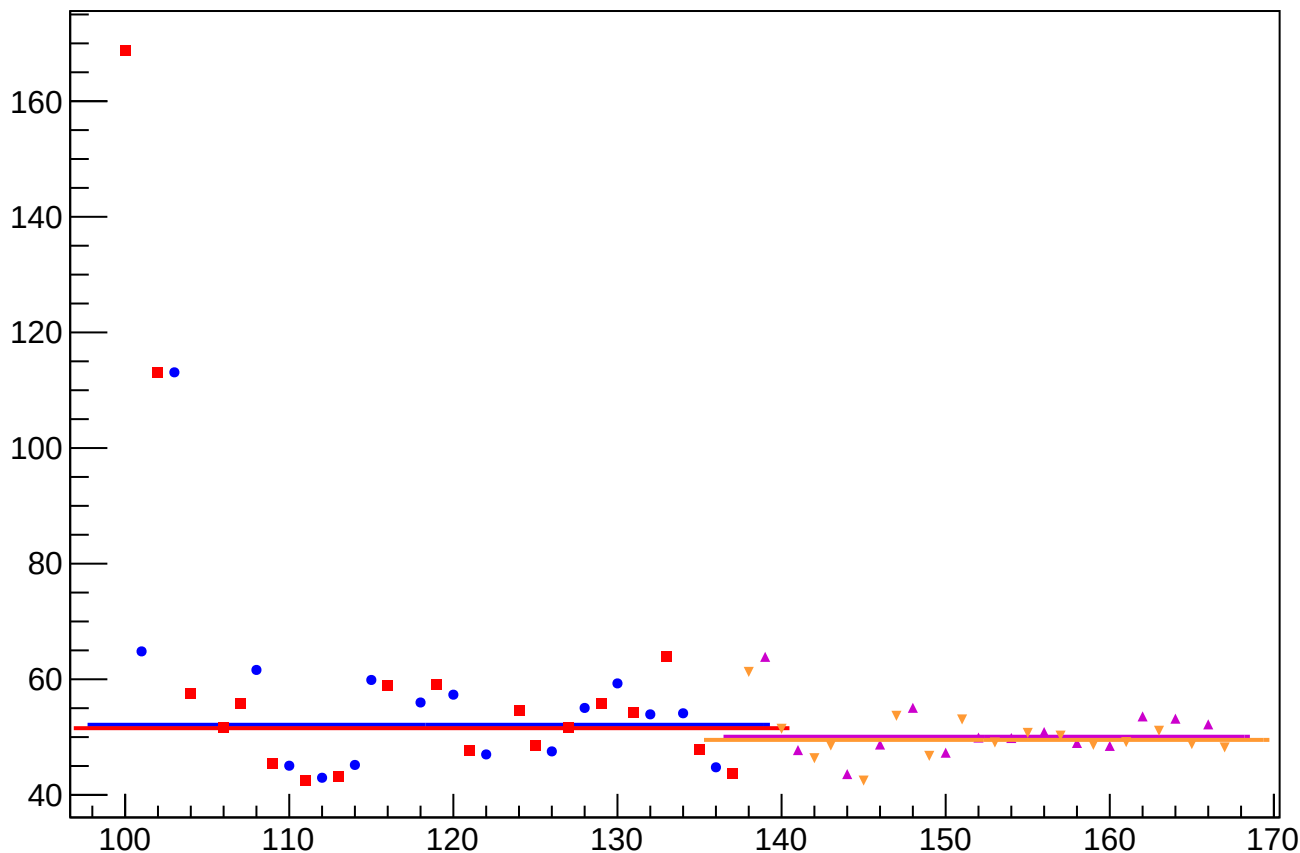
Left In: -53.046 ± 14.844 χ^2/NDF : 20.6/13

+ sign 21.620 ± 11.488 χ^2/NDF : 32.6/31

All: -14.000 ± 8.244 χ^2/NDF : 102.3/64

- sign -51.826 ± 11.838 χ^2/NDF : 49.9/32

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 49.516 $\pm$ 0.010 χ^2 /NDF:134540.3/15

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

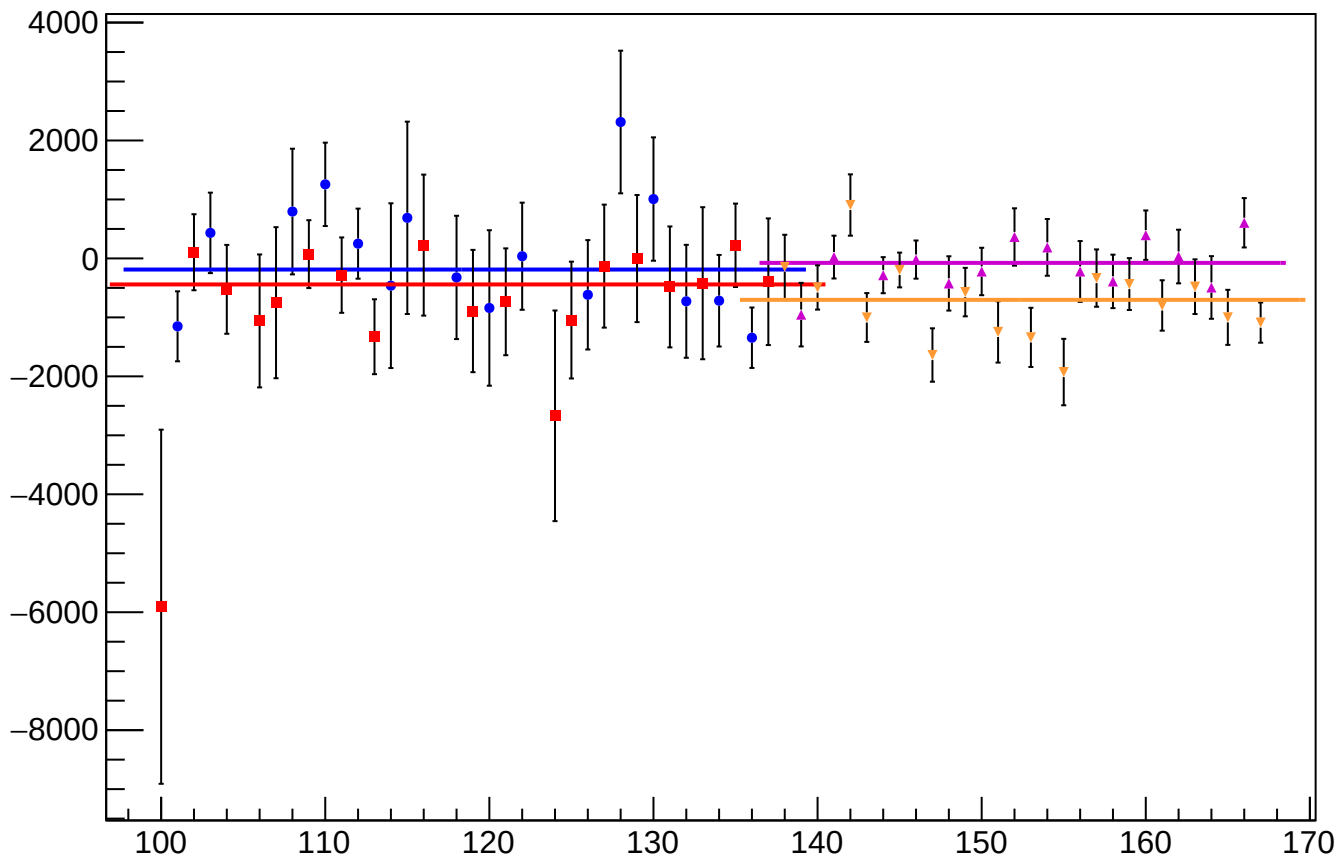
Left In: 50.061 $\pm$ 0.010 χ^2 /NDF:158675.7/13

+ sign 50.378 $\pm$ 0.008 χ^2 /NDF: 720337.9/31

All: 50.485 $\pm$ 0.006 χ^2 /NDF: 1526380.5/64

- sign 50.599 $\pm$ 0.008 χ^2 /NDF: 805683.8/32

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541 ± 205.813 χ^2/NDF : 21.4/15

Left Out: -702.521 ± 107.933 χ^2/NDF : 29.1/15

Right Out: -441.171 ± 204.111 χ^2/NDF : 10.9/18

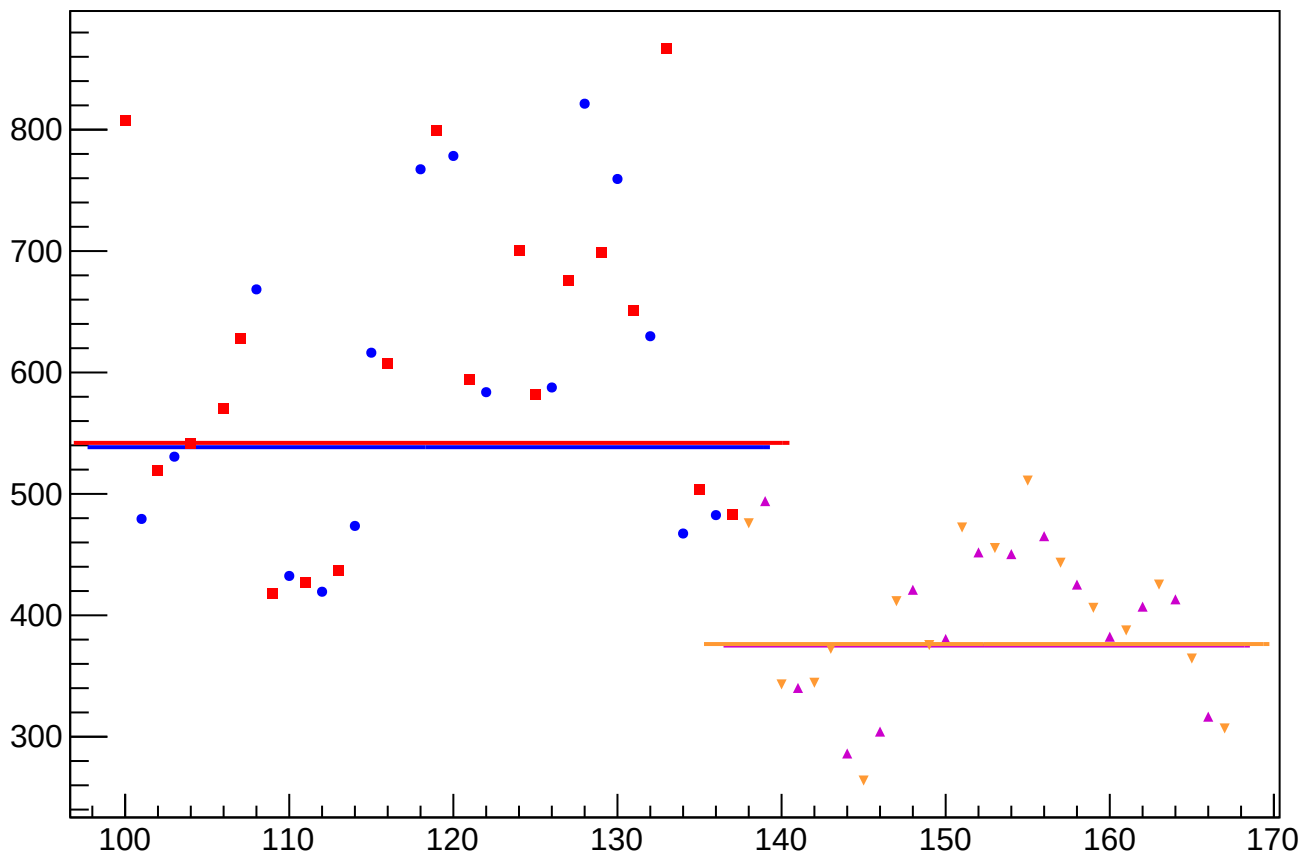
Left In: -75.622 ± 112.419 χ^2/NDF : 10.2/13

+ sign -591.656 ± 95.587 χ^2/NDF : 55.4/31

All: -382.583 ± 68.587 χ^2/NDF : 88.7/64

- sign -160.702 ± 98.471 χ^2/NDF : 23.5/32

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473 $\pm$ 0.146 χ^2 /NDF: 613991.3/15

Left Out: 376.342 $\pm$ 0.076 χ^2 /NDF: 780299.6/15

Right Out: 542.025 $\pm$ 0.144 χ^2 /NDF: 631559.6/18

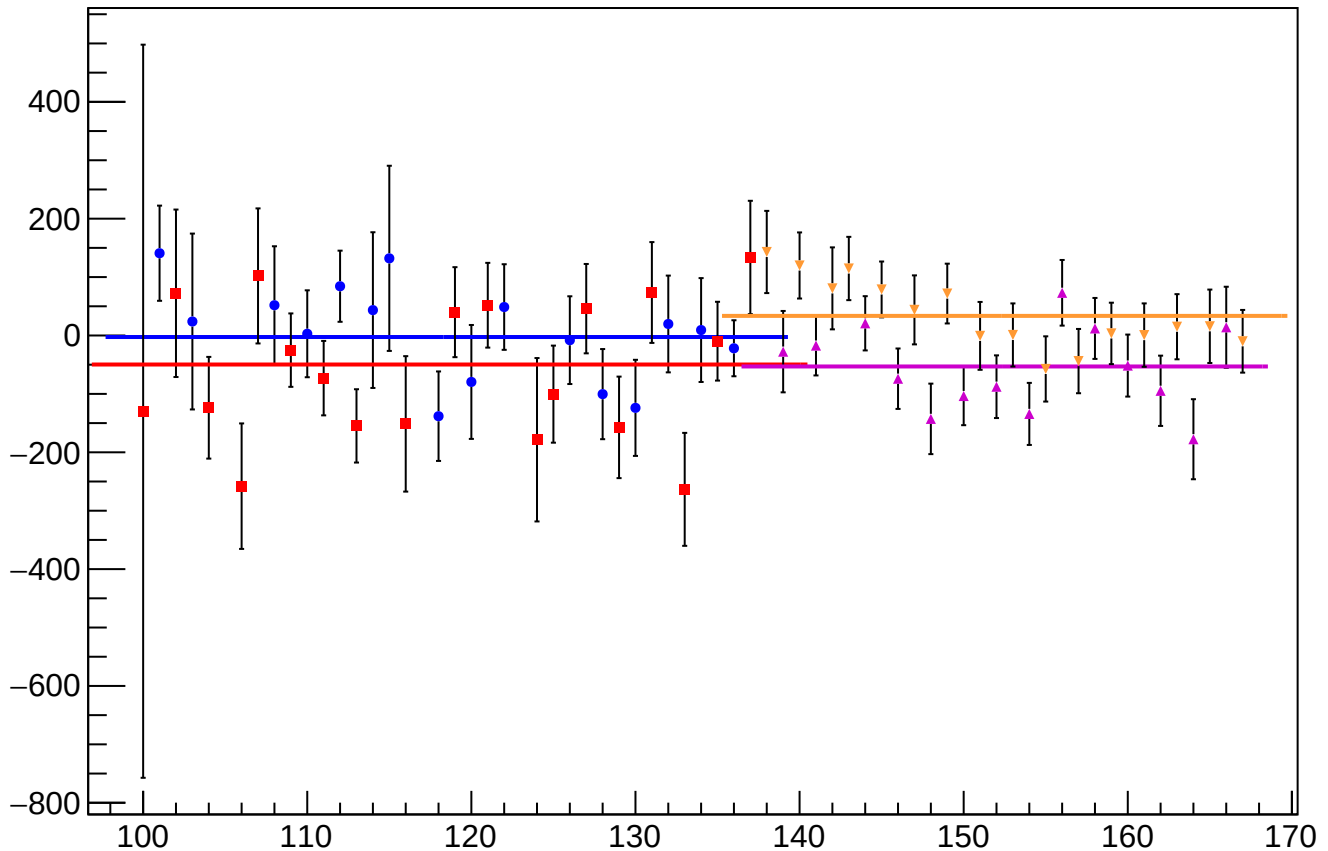
Left In: 375.091 $\pm$ 0.079 χ^2 /NDF: 645424.5/13

+ sign 411.313 $\pm$ 0.068 χ^2 /NDF: 2367709.7/31

All: 412.590 $\pm$ 0.048 χ^2 /NDF: 4671858.0/64

- sign 413.944 $\pm$ 0.070 χ^2 /NDF: 2303413.3/32

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 33.563 ± 14.036 $\chi^2/\text{NDF}: 15.8/15$

Right Out: -49.694 ± 19.622 $\chi^2/\text{NDF}: 29.3/18$

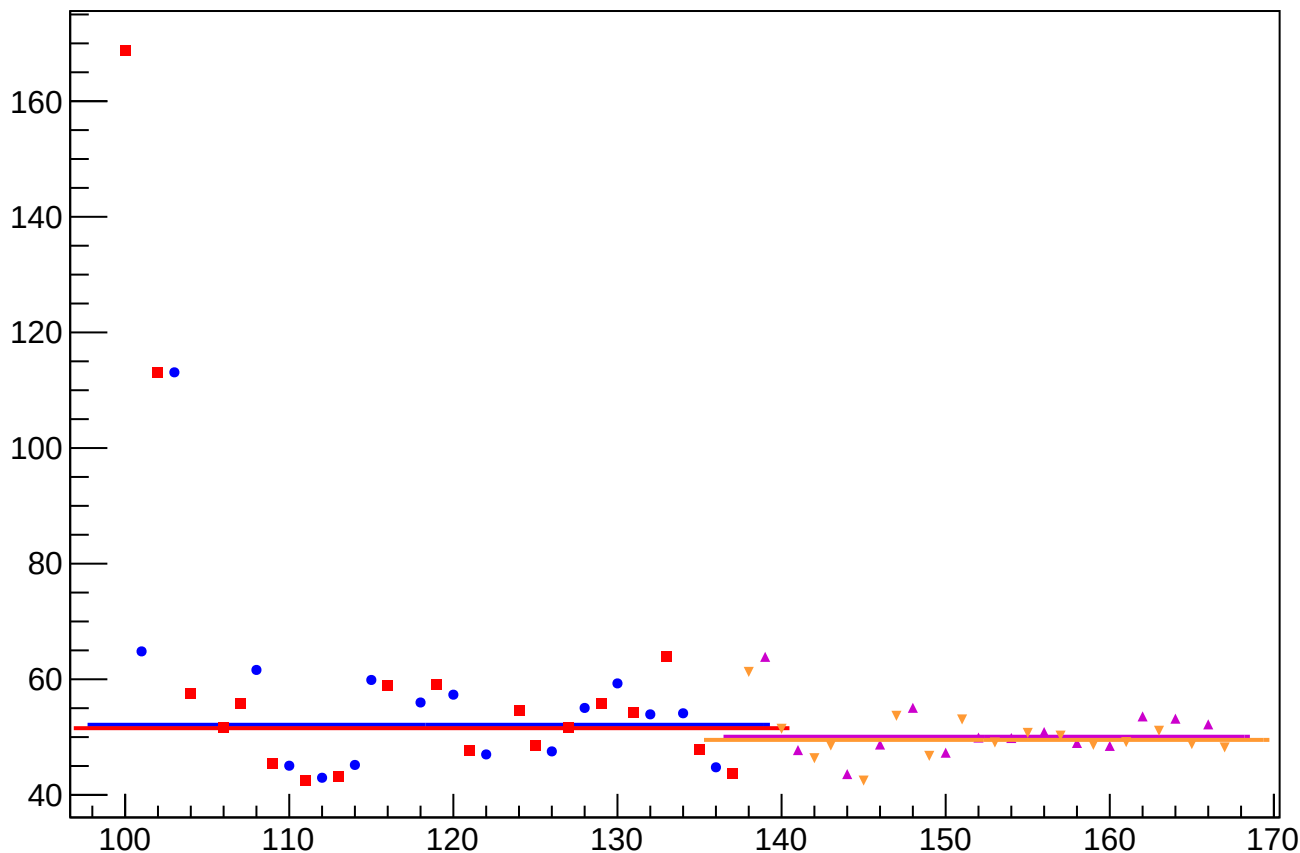
Left In: -53.046 ± 14.844 $\chi^2/\text{NDF}: 20.6/13$

+ sign 21.620 ± 11.488 $\chi^2/\text{NDF}: 32.6/31$

All: -14.000 ± 8.244 $\chi^2/\text{NDF}: 102.3/64$

- sign -51.826 ± 11.838 $\chi^2/\text{NDF}: 49.9/32$

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2/NDF : 562920.3/15

Left Out: 49.516 $\pm$ 0.010 χ^2/NDF : 134540.3/15

Right Out: 51.540 $\pm$ 0.014 χ^2/NDF : 639784.7/18

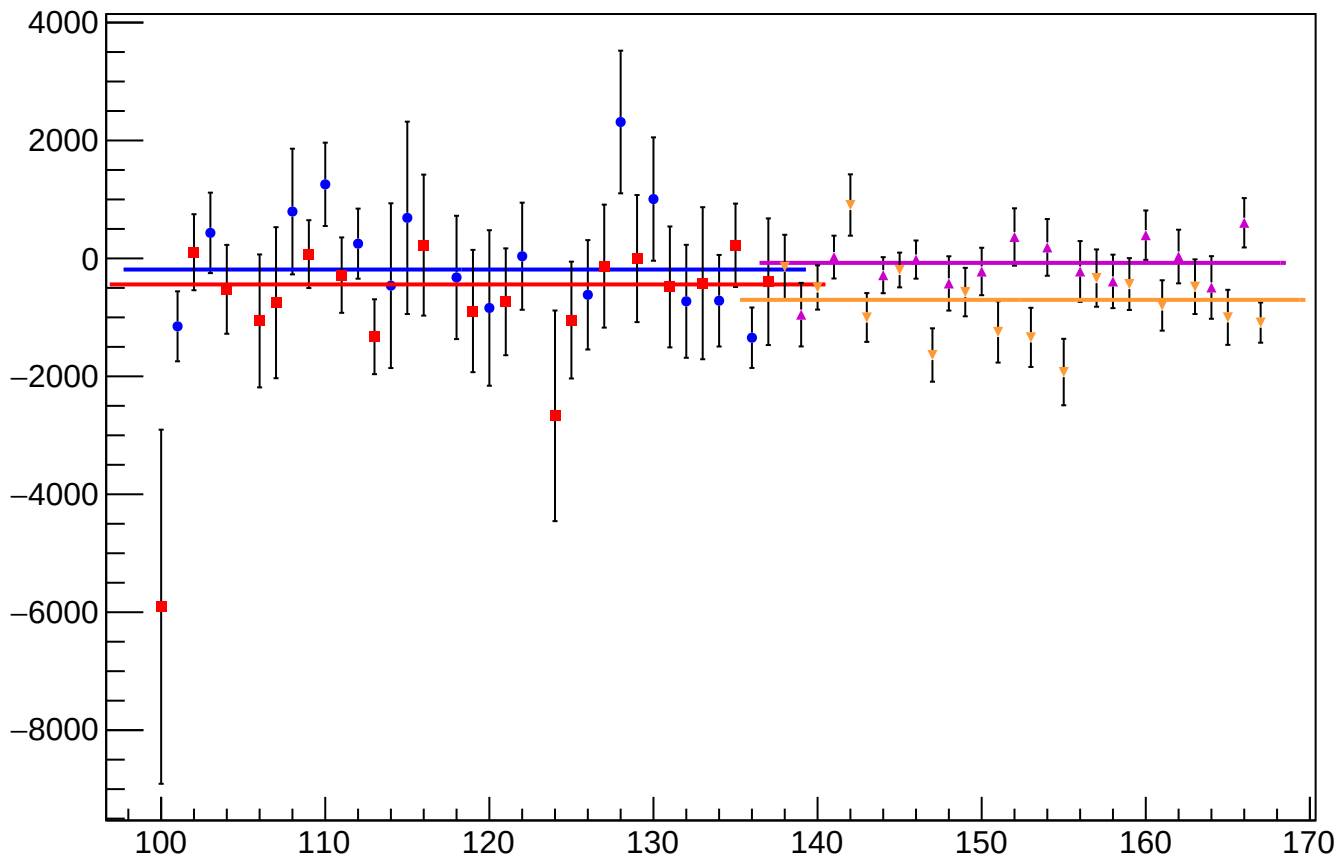
Left In: 50.061 $\pm$ 0.010 χ^2/NDF : 158675.7/13

+ sign 50.378 $\pm$ 0.008 χ^2/NDF : 720337.9/31

All: 50.485 $\pm$ 0.006 χ^2/NDF : 1526380.5/64

- sign 50.599 $\pm$ 0.008 χ^2/NDF : 805683.8/32

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: -702.521 $\pm$ 107.933 χ^2 /NDF: 29.1/15

Right Out: -441.171 $\pm$ 204.111 χ^2 /NDF: 10.9/18

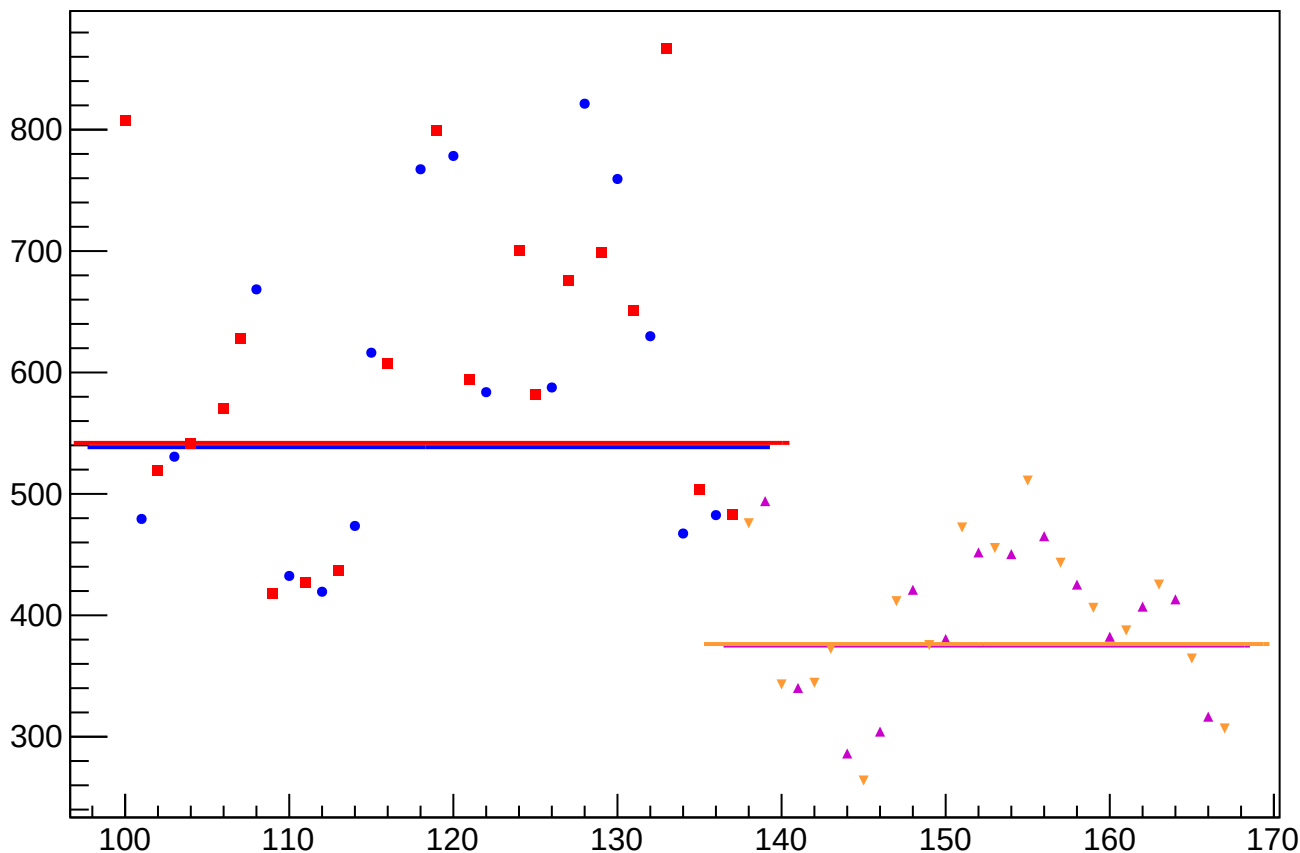
Left In: -75.622 $\pm$ 112.419 χ^2 /NDF: 10.2/13

+ sign -591.656 $\pm$ 95.587 χ^2 /NDF: 55.4/31

All: -382.583 $\pm$ 68.587 χ^2 /NDF: 88.7/64

- sign -160.702 $\pm$ 98.471 χ^2 /NDF: 23.5/32

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473 $\pm$ 0.146 χ^2 /NDF: 613991.3/15

Left Out: 376.342 $\pm$ 0.076 χ^2 /NDF: 780299.6/15

Right Out: 542.025 $\pm$ 0.144 χ^2 /NDF: 631559.6/18

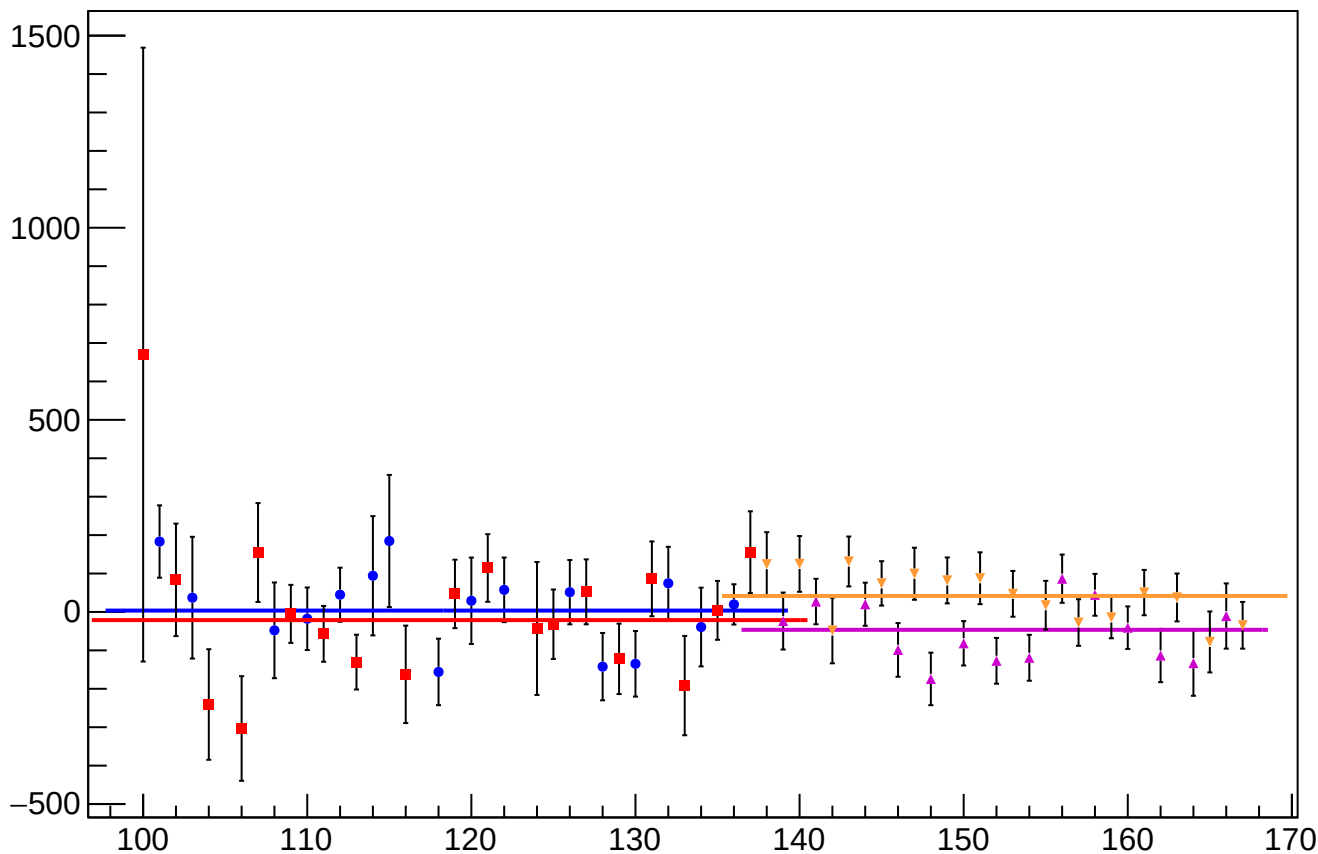
Left In: 375.091 $\pm$ 0.079 χ^2 /NDF: 645424.5/13

+ sign 411.313 $\pm$ 0.068 χ^2 /NDF: 2367709.7/31

All: 412.590 $\pm$ 0.048 χ^2 /NDF: 4671858.0/64

- sign 413.944 $\pm$ 0.070 χ^2 /NDF: 2303413.3/32

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 41.678 ± 16.136 χ^2/NDF : 13.7/15

Right Out: -21.253 ± 22.769 χ^2/NDF : 24.4/18

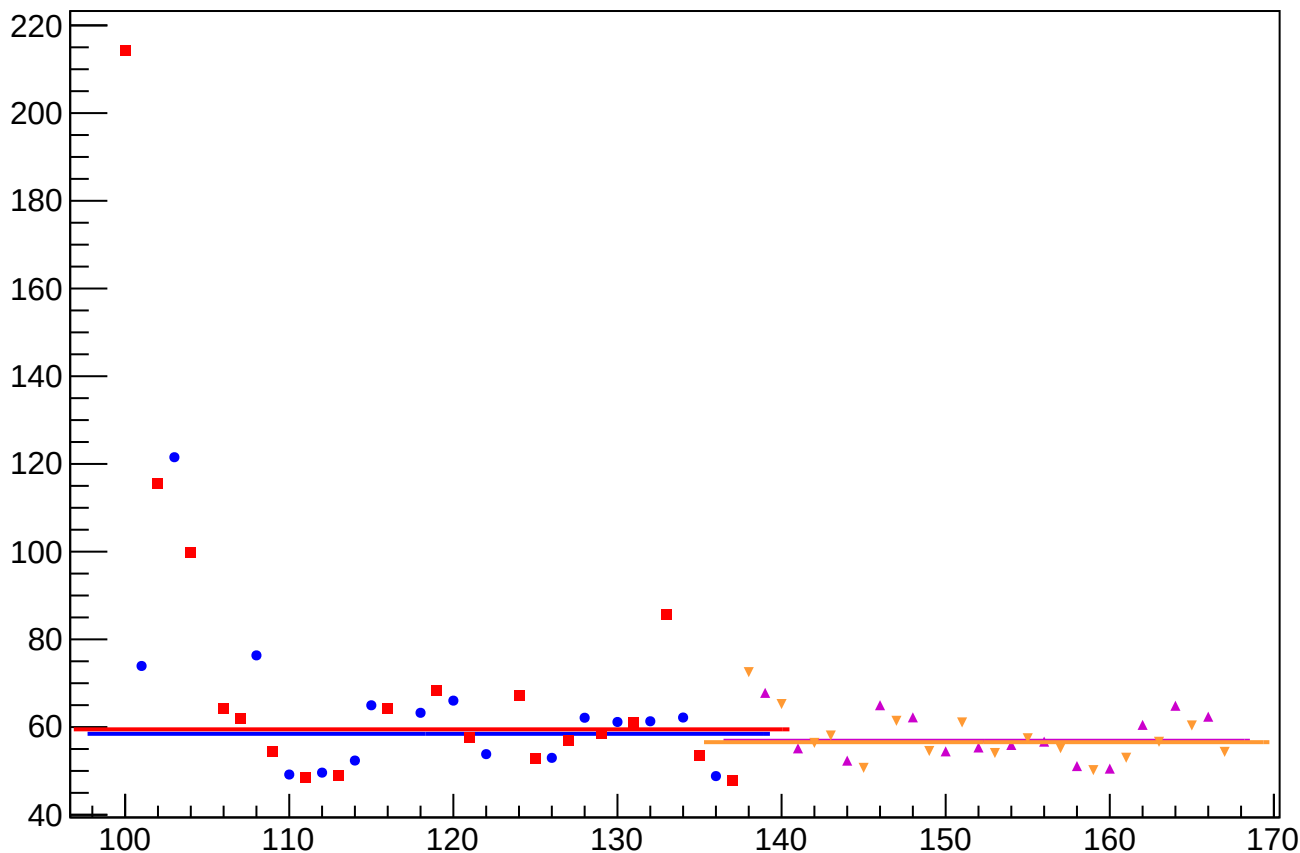
Left In: -46.508 ± 16.980 χ^2/NDF : 20.2/13

+ sign 28.729 ± 13.109 χ^2/NDF : 31.7/31

All: -3.130 ± 9.442 χ^2/NDF : 89.5/64

- sign -37.482 ± 13.612 χ^2/NDF : 45.5/32

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465 $\pm$ 0.016 χ^2 /NDF: 582984.2/15

Left Out: 56.557 $\pm$ 0.011 χ^2 /NDF: 192178.4/15

Right Out: 59.484 $\pm$ 0.016 χ^2 /NDF: 784880.1/18

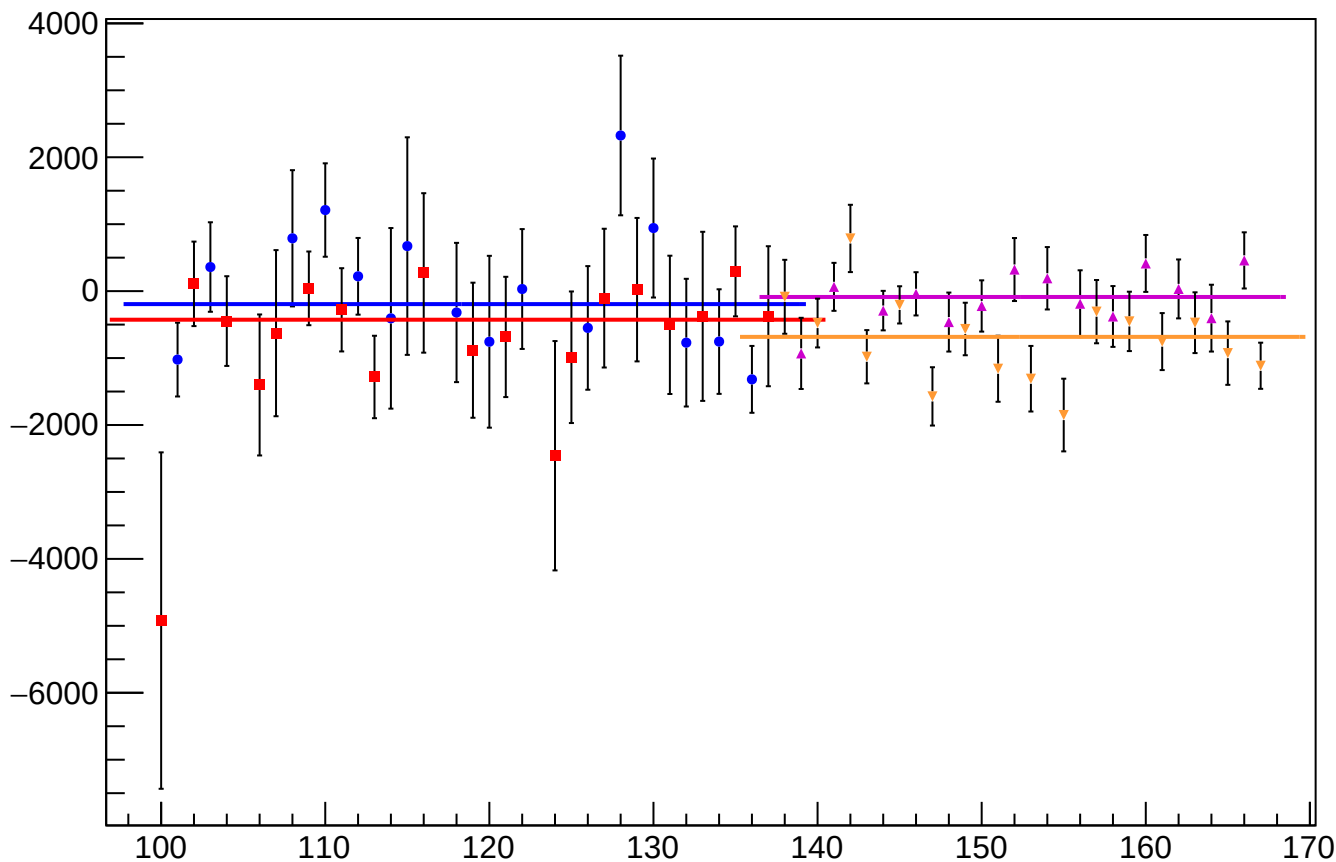
Left In: 56.879 $\pm$ 0.012 χ^2 /NDF: 182892.0/13

+ sign 57.206 $\pm$ 0.009 χ^2 /NDF: 784673.6/31

All: 57.497 $\pm$ 0.007 χ^2 /NDF: 1771313.9/64

- sign 57.810 $\pm$ 0.010 χ^2 /NDF: 984597.6/32

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899 $\pm$ 200.604 χ^2/NDF : 20.8/15

Left Out: -683.443 $\pm$ 105.258 χ^2/NDF : 28.0/15

Right Out: -426.977 $\pm$ 197.005 χ^2/NDF : 11.3/18

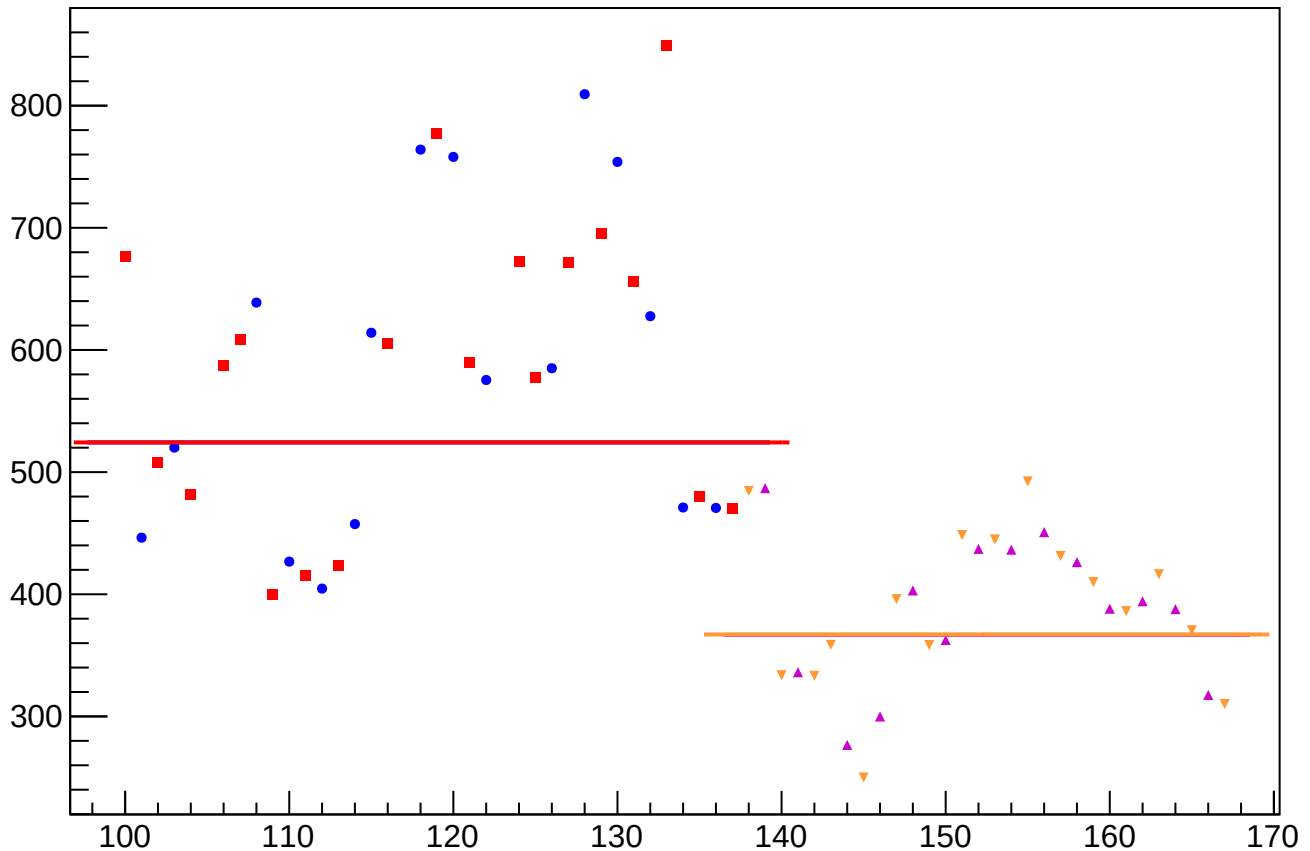
Left In: -87.210 $\pm$ 109.936 χ^2/NDF : 9.2/13

+ sign -577.759 $\pm$ 93.207 χ^2/NDF : 53.5/31

All: -378.876 $\pm$ 66.873 χ^2/NDF : 85.6/64

- sign -167.892 $\pm$ 96.000 χ^2/NDF : 22.7/32

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF : 658488.5/15

Left Out: 367.052+/-0.074 χ^2/NDF : 831464.6/15

Right Out: 524.306+/-0.139 χ^2/NDF : 686061.2/18

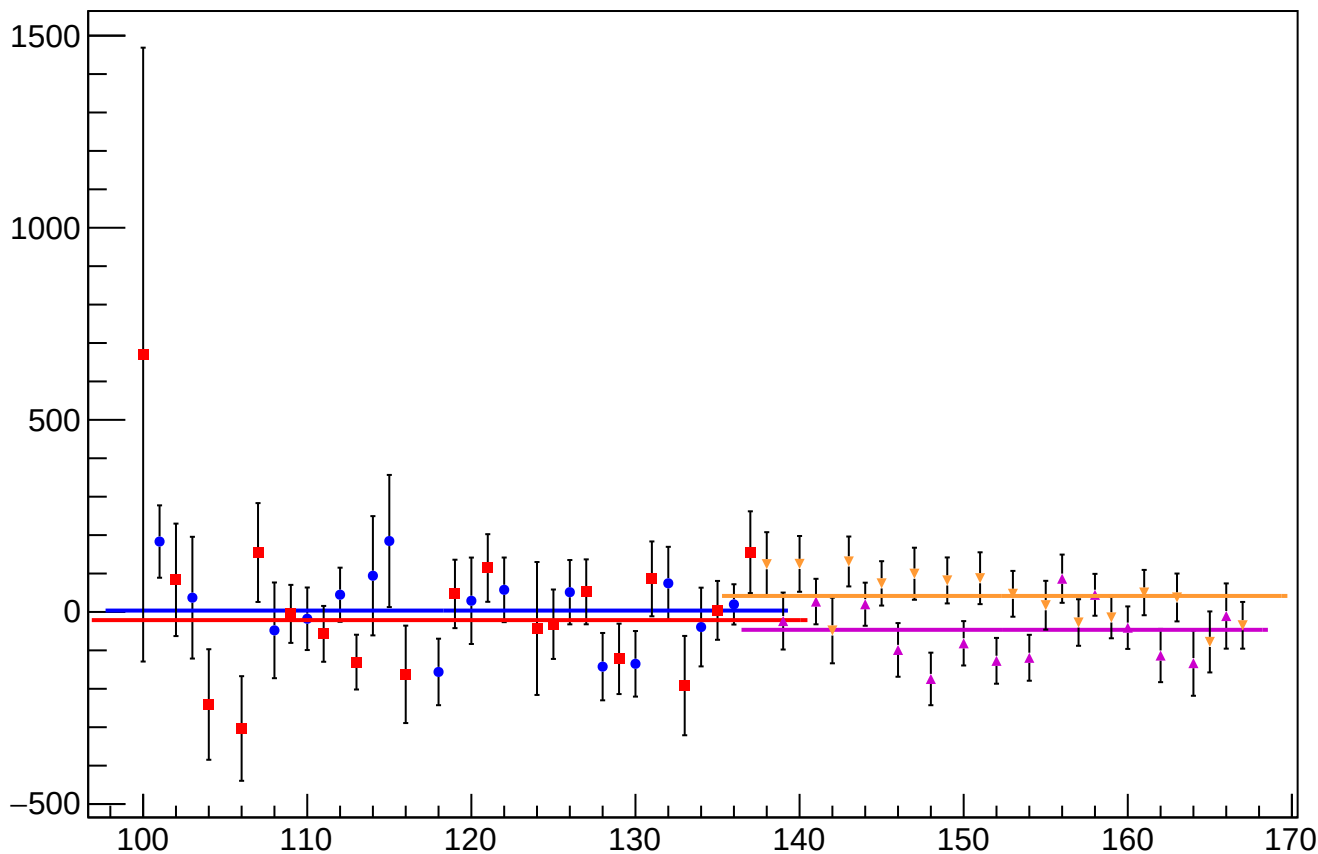
Left In: 366.788+/-0.078 χ^2/NDF : 627277.2/13

+ sign 401.005+/-0.066 χ^2/NDF : 2453895.3/31

All: 402.551+/-0.047 χ^2/NDF : 4743363.3/64

- sign 404.192+/-0.068 χ^2/NDF : 2288333.0/32

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 $\pm$ 22.480 χ^2/NDF : 16.1/15

Left Out: 41.679 $\pm$ 16.136 χ^2/NDF : 13.7/15

Right Out: -21.251 $\pm$ 22.769 χ^2/NDF : 24.4/18

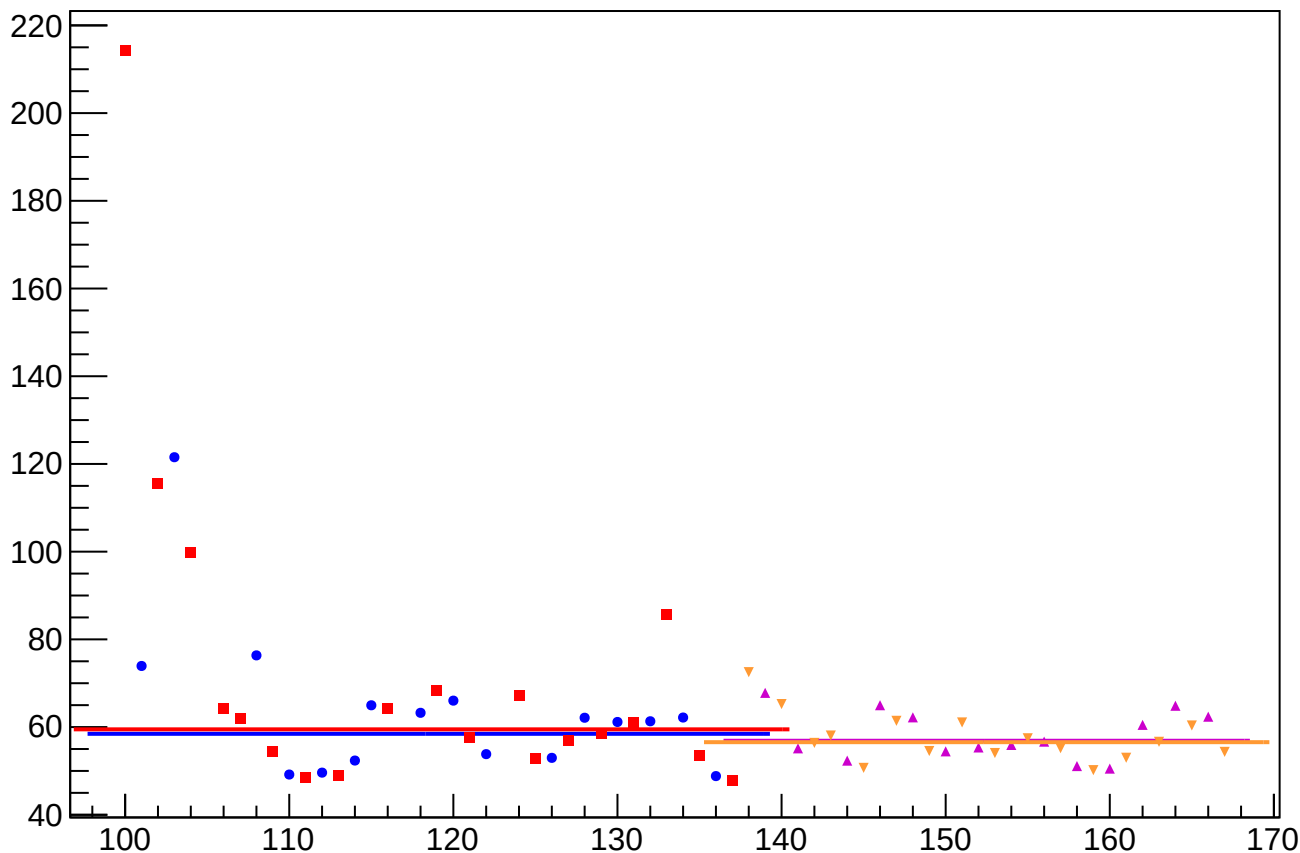
Left In: -46.508 $\pm$ 16.981 χ^2/NDF : 20.2/13

+ sign 28.730 $\pm$ 13.109 χ^2/NDF : 31.7/31

All: -3.129 $\pm$ 9.442 χ^2/NDF : 89.5/64

- sign -37.481 $\pm$ 13.612 χ^2/NDF : 45.5/32

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466 $\pm$ 0.016 χ^2 /NDF: 582980.6/15

Left Out: 56.557 $\pm$ 0.011 χ^2 /NDF: 192183.3/15

Right Out: 59.484 $\pm$ 0.016 χ^2 /NDF: 784880.2/18

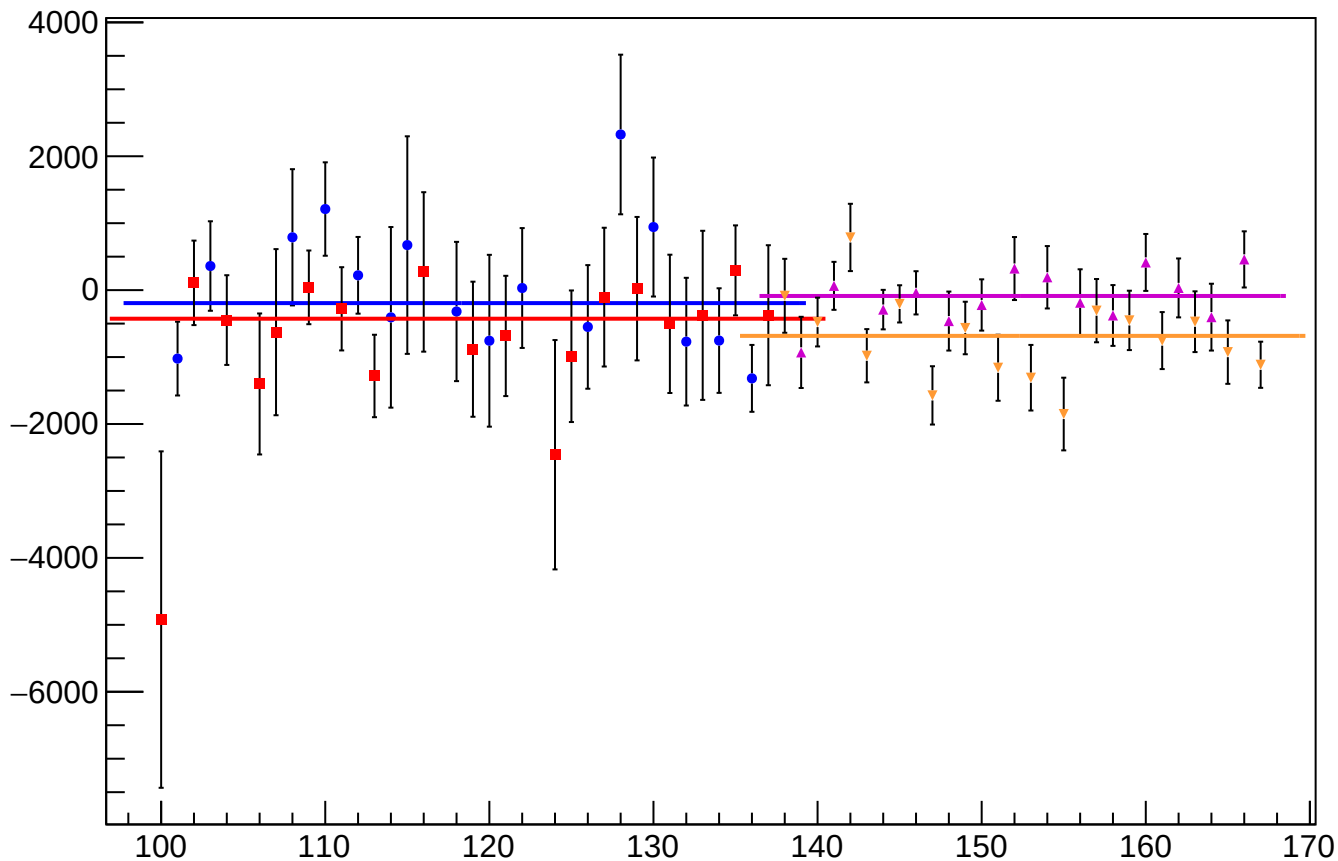
Left In: 56.879 $\pm$ 0.012 χ^2 /NDF: 182893.7/13

+ sign 57.206 $\pm$ 0.009 χ^2 /NDF: 784674.3/31

All: 57.497 $\pm$ 0.007 χ^2 /NDF: 1771316.1/64

- sign 57.810 $\pm$ 0.010 χ^2 /NDF: 984599.0/32

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -193.899 $\pm$ 200.603 χ^2/NDF : 20.8/15

Left Out: -683.443 $\pm$ 105.258 χ^2/NDF : 28.0/15

Right Out: -426.976 $\pm$ 197.005 χ^2/NDF : 11.3/18

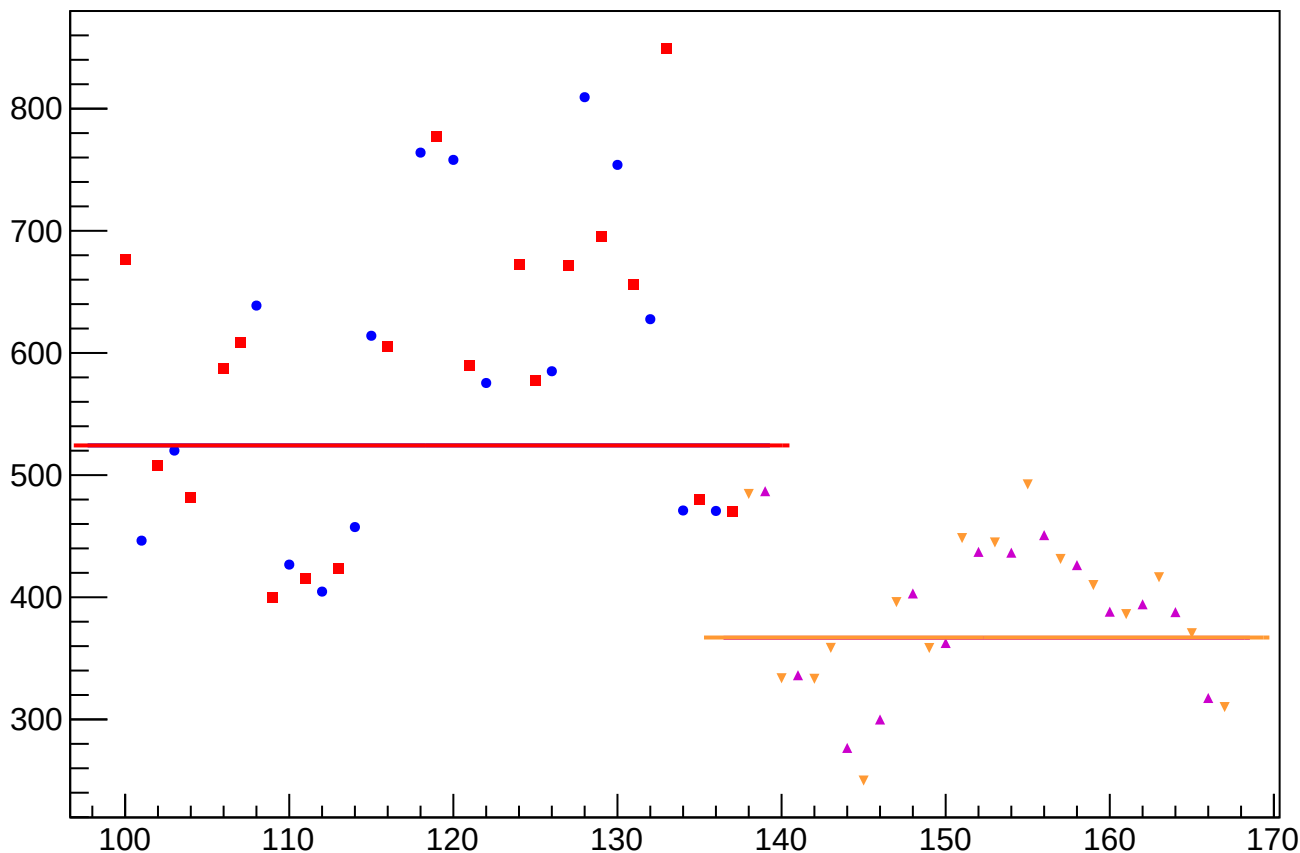
Left In: -87.210 $\pm$ 109.936 χ^2/NDF : 9.2/13

+ sign -577.759 $\pm$ 93.207 χ^2/NDF : 53.5/31

All: -378.875 $\pm$ 66.873 χ^2/NDF : 85.6/64

- sign -167.891 $\pm$ 96.000 χ^2/NDF : 22.7/32

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 524.325+/-0.142 χ^2/NDF : 658493.8/15

Left Out: 367.051+/-0.074 χ^2/NDF : 831461.6/15

Right Out: 524.305+/-0.139 χ^2/NDF : 686063.6/18

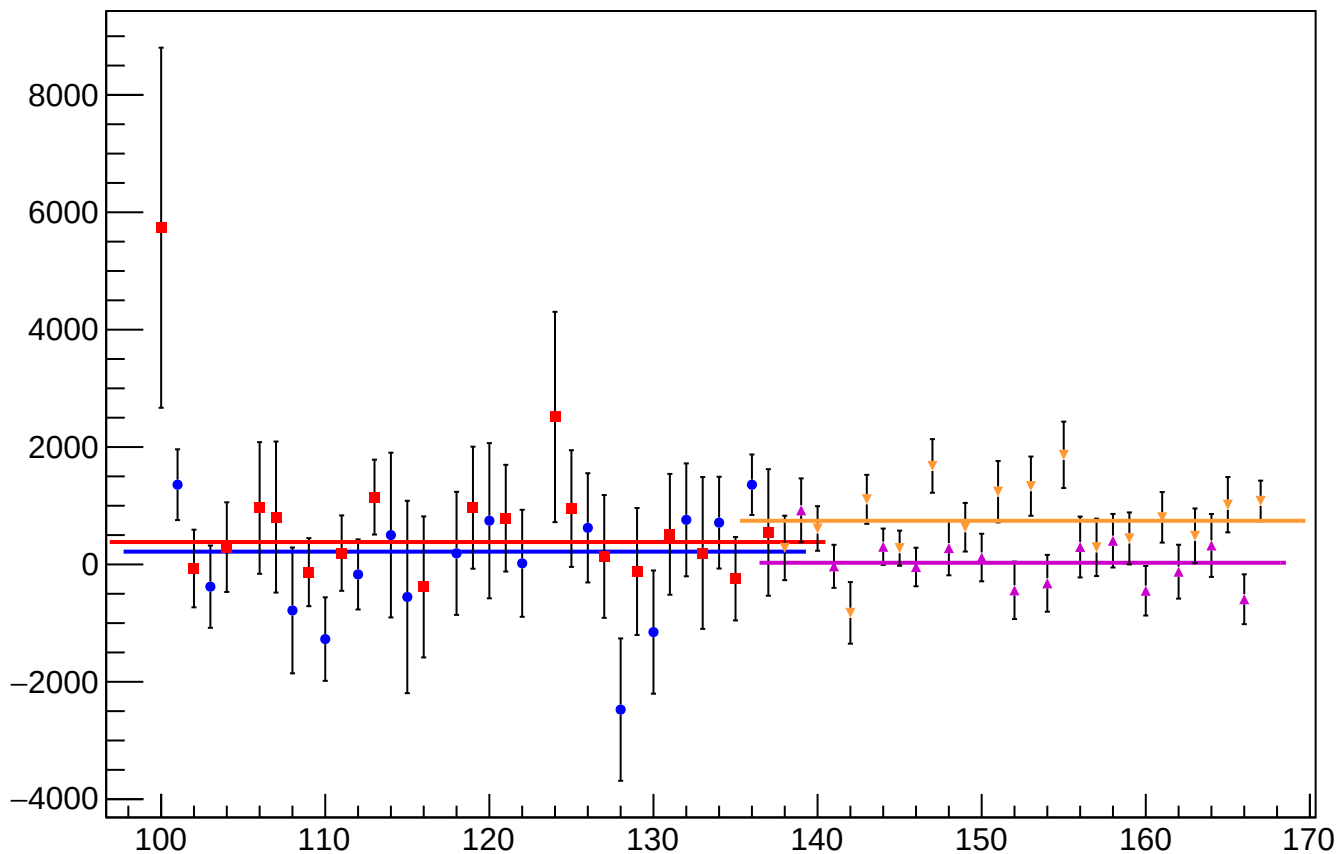
Left In: 366.787+/-0.078 χ^2/NDF : 627273.5/13

+ sign 401.004+/-0.066 χ^2/NDF : 2453891.6/31

All: 402.551+/-0.047 χ^2/NDF : 4743352.3/64

- sign 404.192+/-0.068 χ^2/NDF : 2288325.6/32

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF : 22.9/15

Left Out: 743.505+/-108.933 χ^2/NDF : 26.4/15

Right Out: 381.836+/-205.585 χ^2/NDF : 10.0/18

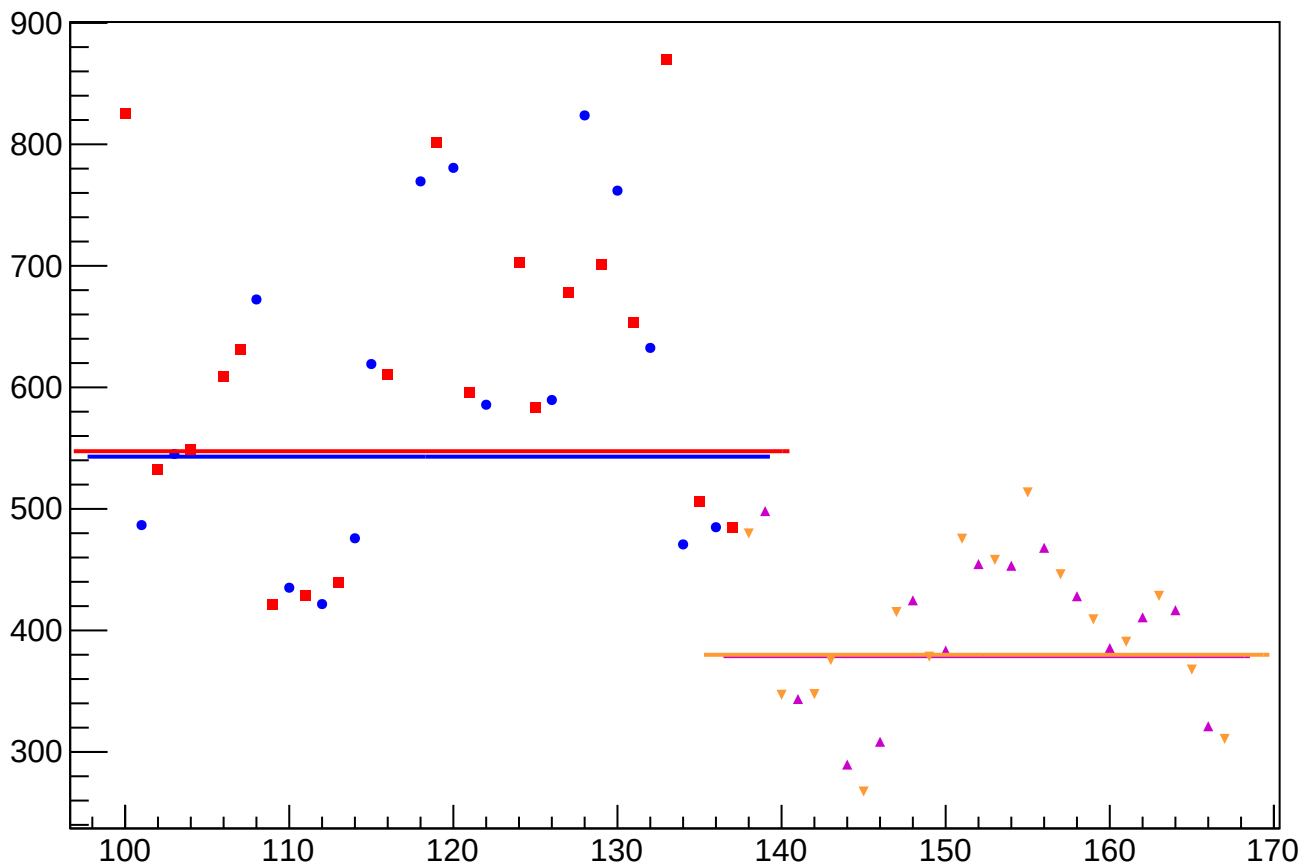
Left In: 28.284+/-113.497 χ^2/NDF : 10.1/13

+ sign 629.906+/-96.449 χ^2/NDF : 54.3/31

All: 378.104+/-69.206 χ^2/NDF : 90.7/64

- sign 110.869+/-99.361 χ^2/NDF : 22.4/32

asym_sam_1357_avg_rms vs Slug



Right In: 542.997 $\pm$ 0.147 χ^2 /NDF: 605250.7/15

Left Out: 379.986 $\pm$ 0.077 χ^2 /NDF: 760155.7/15

Right Out: 547.465 $\pm$ 0.145 χ^2 /NDF: 630284.0/18

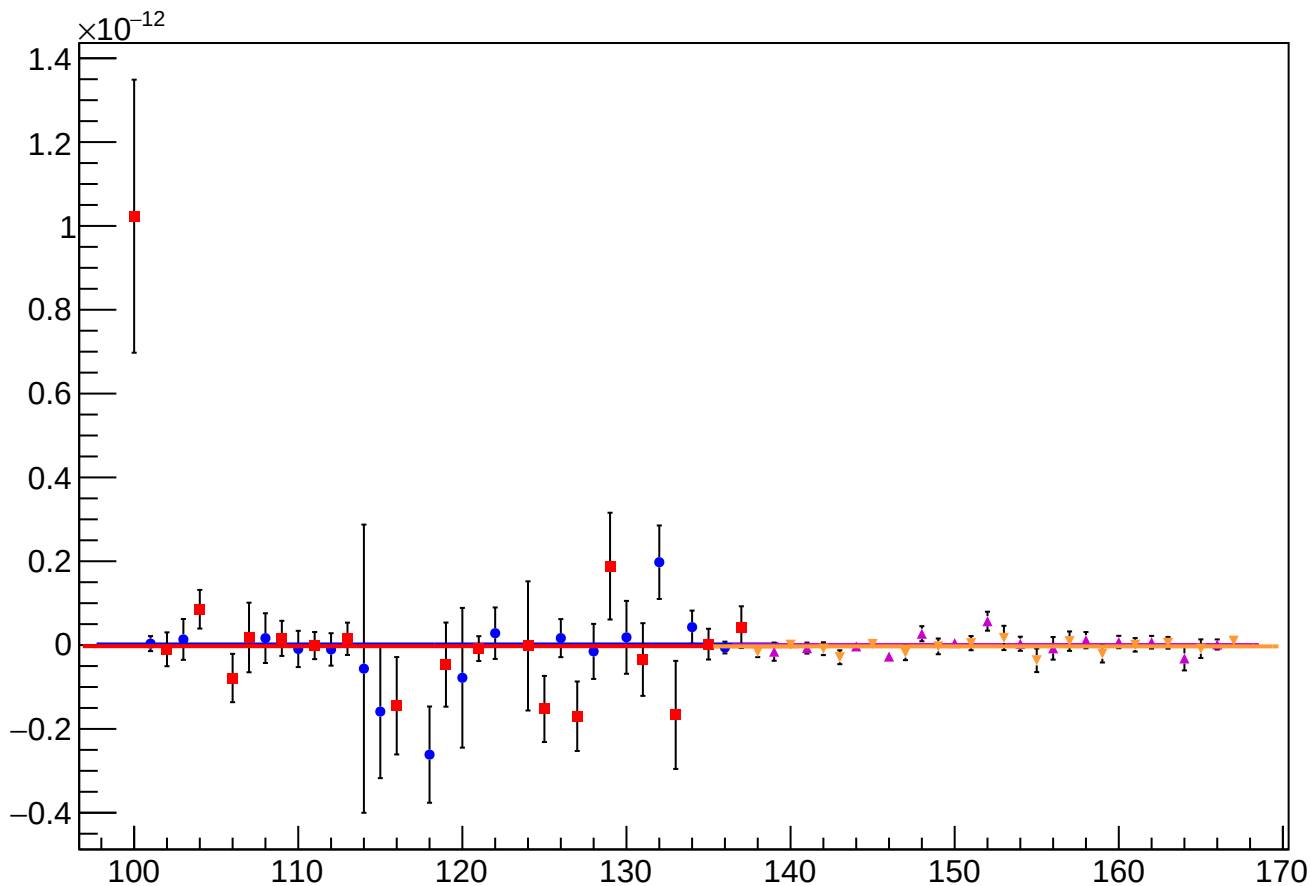
Left In: 378.851 $\pm$ 0.080 χ^2 /NDF: 627980.6/13

+ sign 415.208 $\pm$ 0.068 χ^2 /NDF: 2333101.0/31

All: 416.678 $\pm$ 0.049 χ^2 /NDF: 4623408.6/64

- sign 418.237 $\pm$ 0.070 χ^2 /NDF: 2289350.9/32

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 : 10.0/15

Right Out: -0.000+/-0.000 χ^2/NDF : 30.1/18

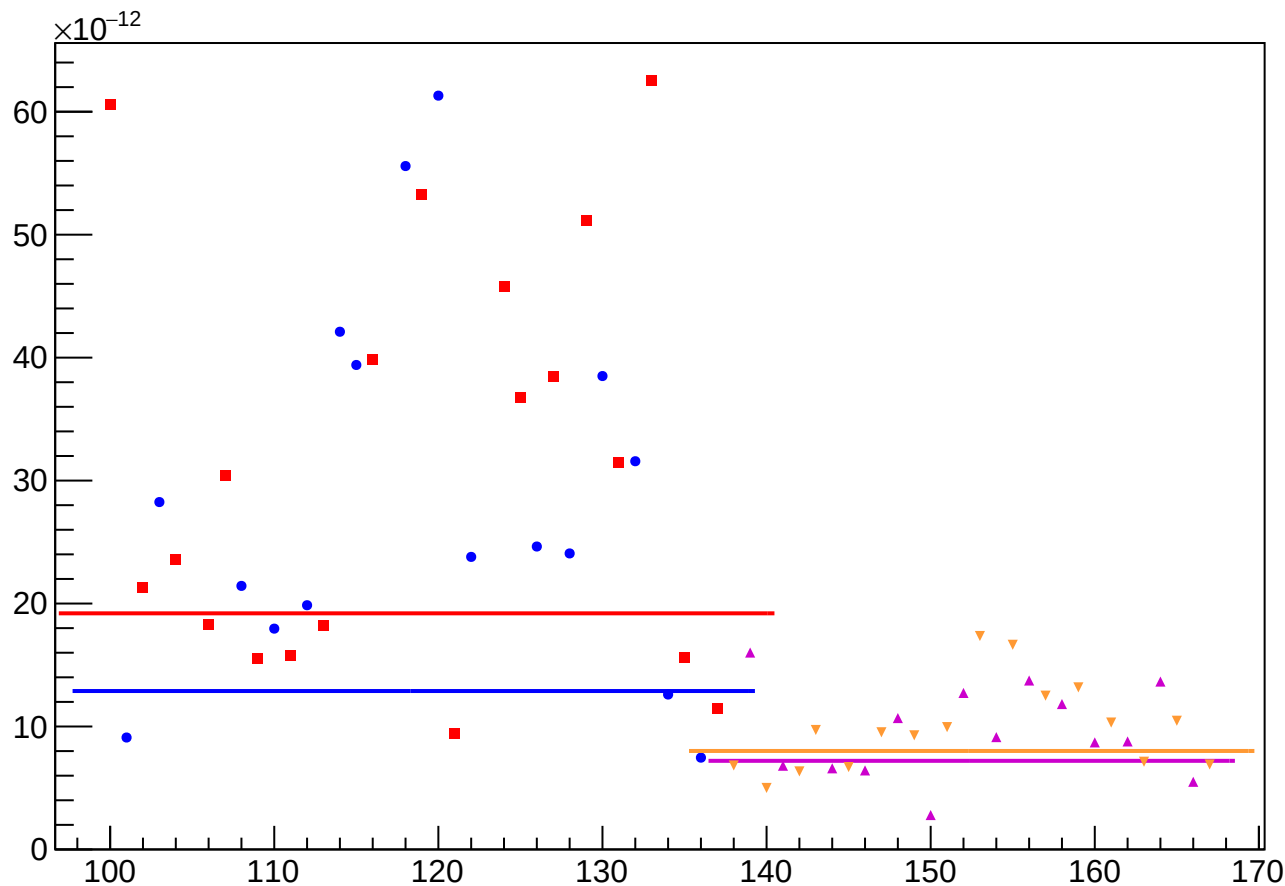
Left In: 0.000+/-0.000 χ^2/NDF : 18.0/13

+ sign -0.000+/-0.000 χ^2/NDF : 23.8/31

All: -0.000+/-0.000 χ^2/NDF : 72.1/64

- sign -0.000+/-0.000 χ^2/NDF : 48.1/32

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 : 1054185.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1367620.8/18

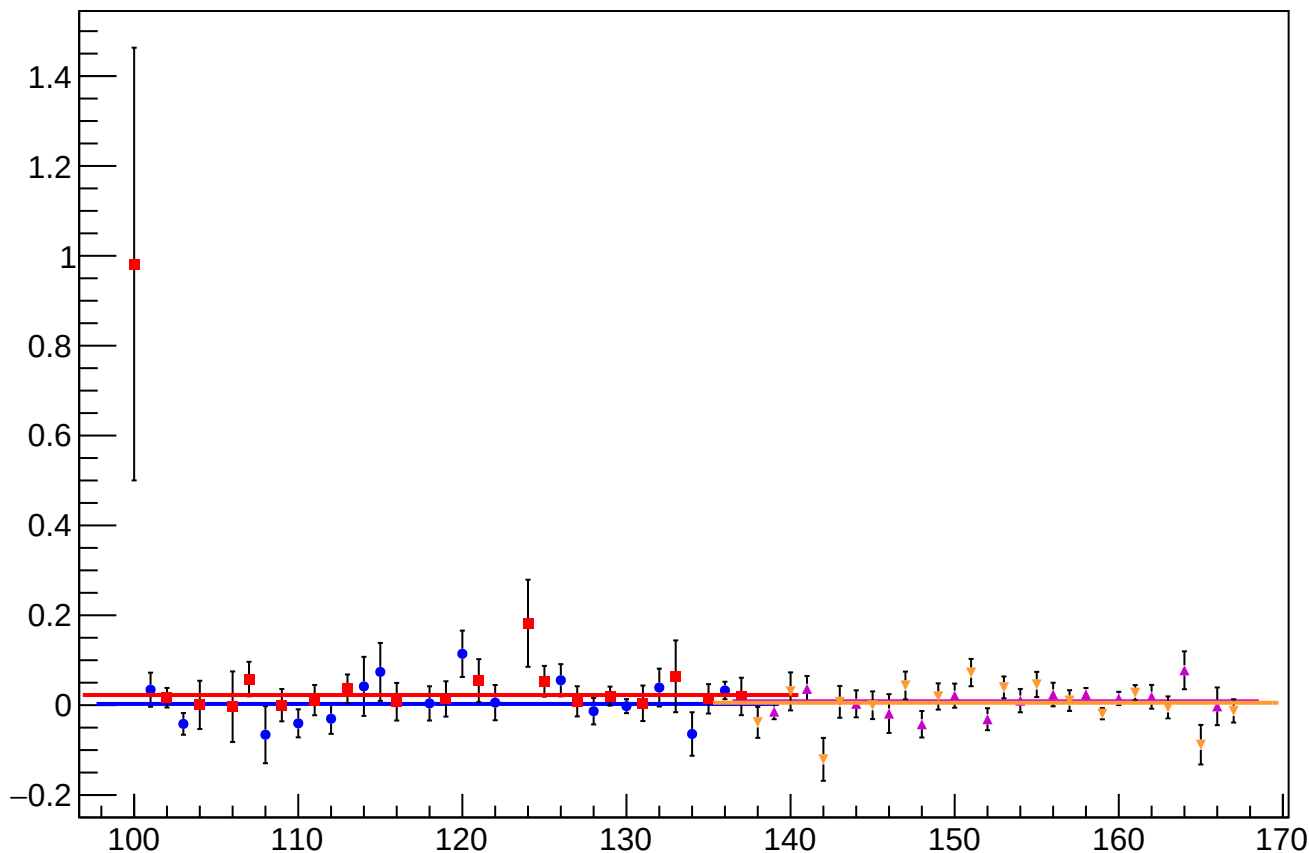
Left In: 0.000+/-0.000 χ^2/NDF : 1544275.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 3305082.5/31

All: 0.000+/-0.000 χ^2/NDF : 8014029.6/64

- sign 0.000+/-0.000 χ^2/NDF : 4693122.7/32

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: 0.005 $\pm$ 0.006 χ^2 /NDF:30.3/15

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

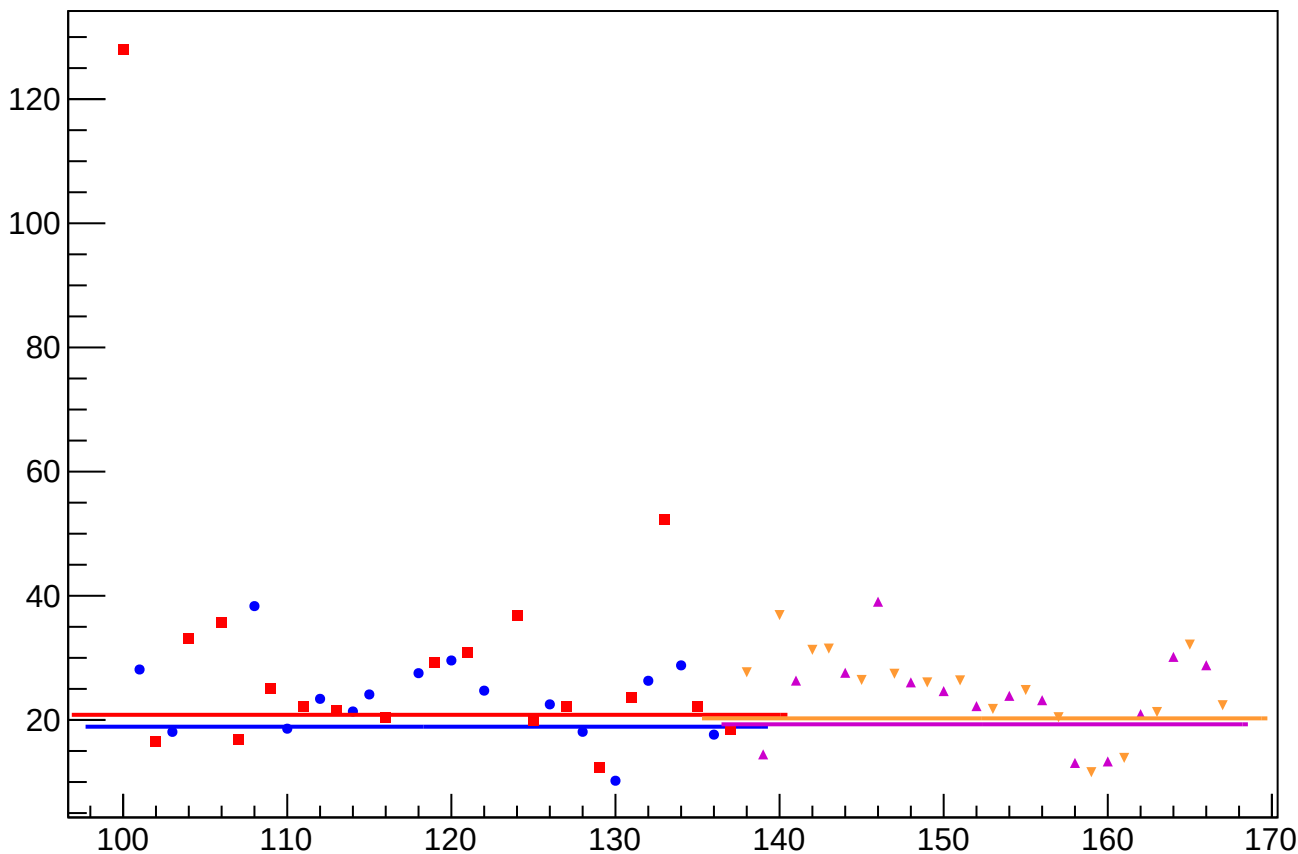
Left In: 0.009 $\pm$ 0.006 χ^2 /NDF:13.7/13

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 52.3/31

All: 0.009 $\pm$ 0.004 χ^2 /NDF: 80.2/64

- sign 0.014 $\pm$ 0.005 χ^2 /NDF: 26.2/32

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: 20.253+/-0.004 χ^2/NDF : 2503634.5/15

Right Out: 20.826+/-0.006 χ^2/NDF : 1291541.1/18

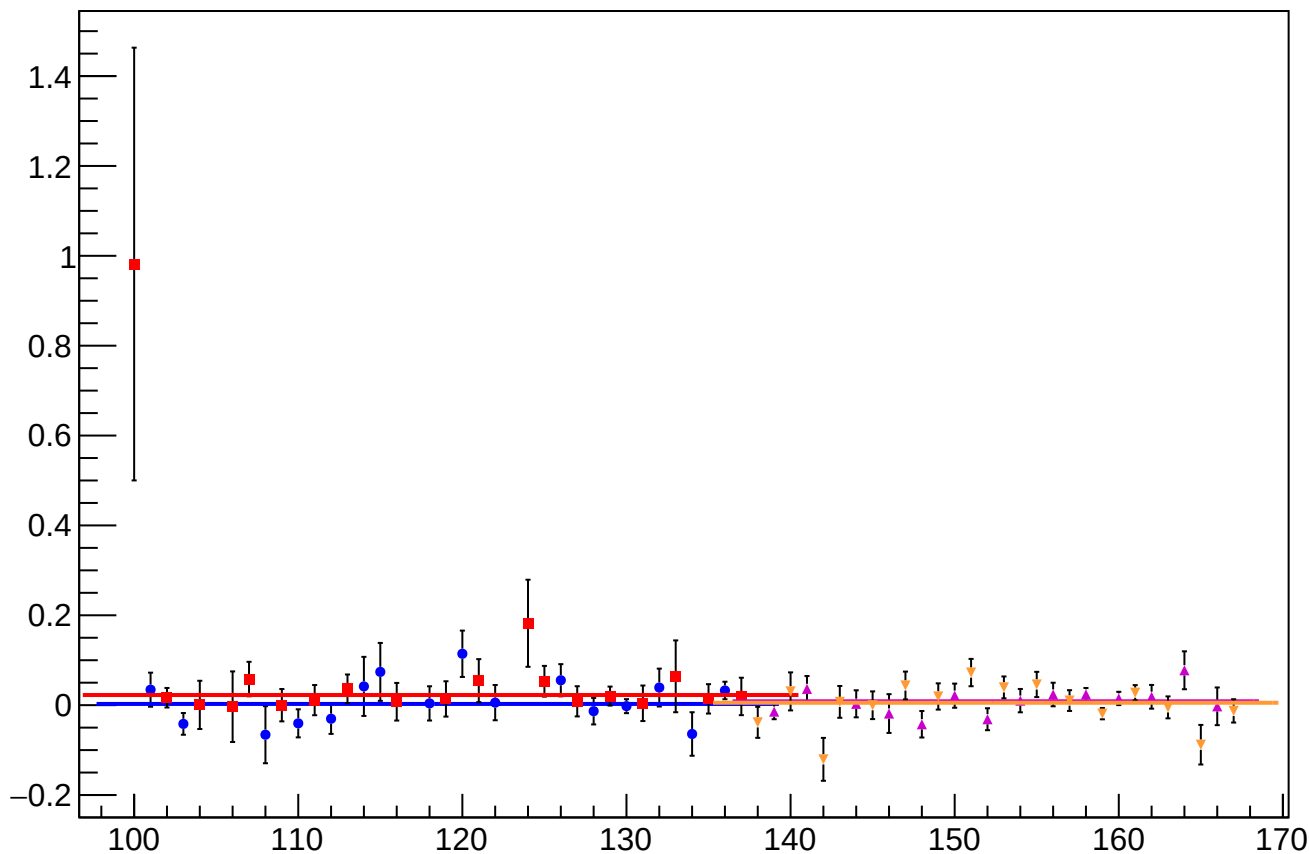
Left In: 19.296+/-0.004 χ^2/NDF : 2127005.5/13

+ sign 19.724+/-0.003 χ^2/NDF : 3929801.8/31

All: 19.779+/-0.002 χ^2/NDF : 7391263.9/64

- sign 19.838+/-0.004 χ^2/NDF : 3460938.8/32

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: 0.005 $\pm$ 0.006 χ^2 /NDF:30.3/15

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

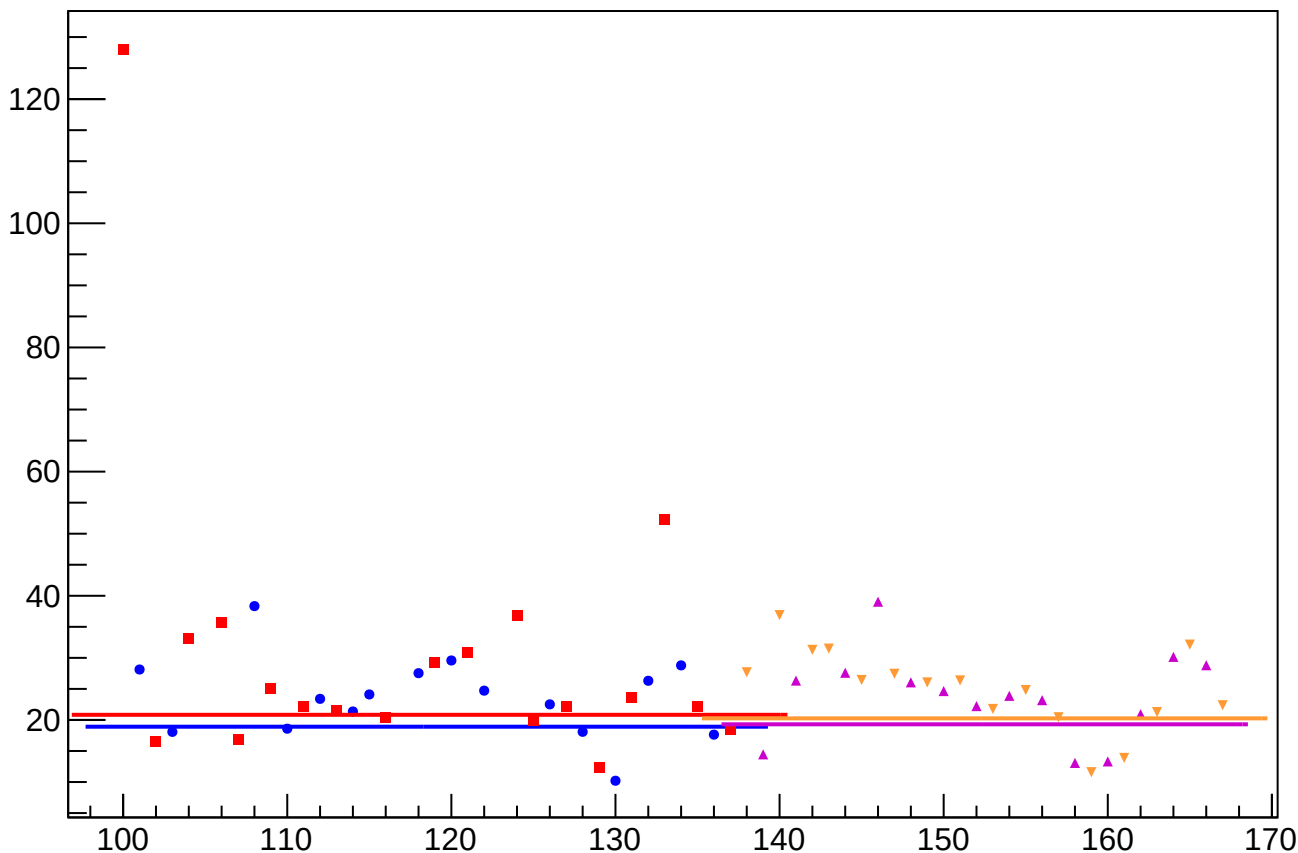
Left In: 0.009 $\pm$ 0.006 χ^2 /NDF:13.7/13

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 52.3/31

All: 0.009 $\pm$ 0.004 χ^2 /NDF: 80.2/64

- sign 0.014 $\pm$ 0.005 χ^2 /NDF: 26.2/32

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: 20.253 $\pm$ 0.004 χ^2/NDF : 2503634.5/15

Right Out: 20.826 $\pm$ 0.006 χ^2/NDF : 1291541.1/18

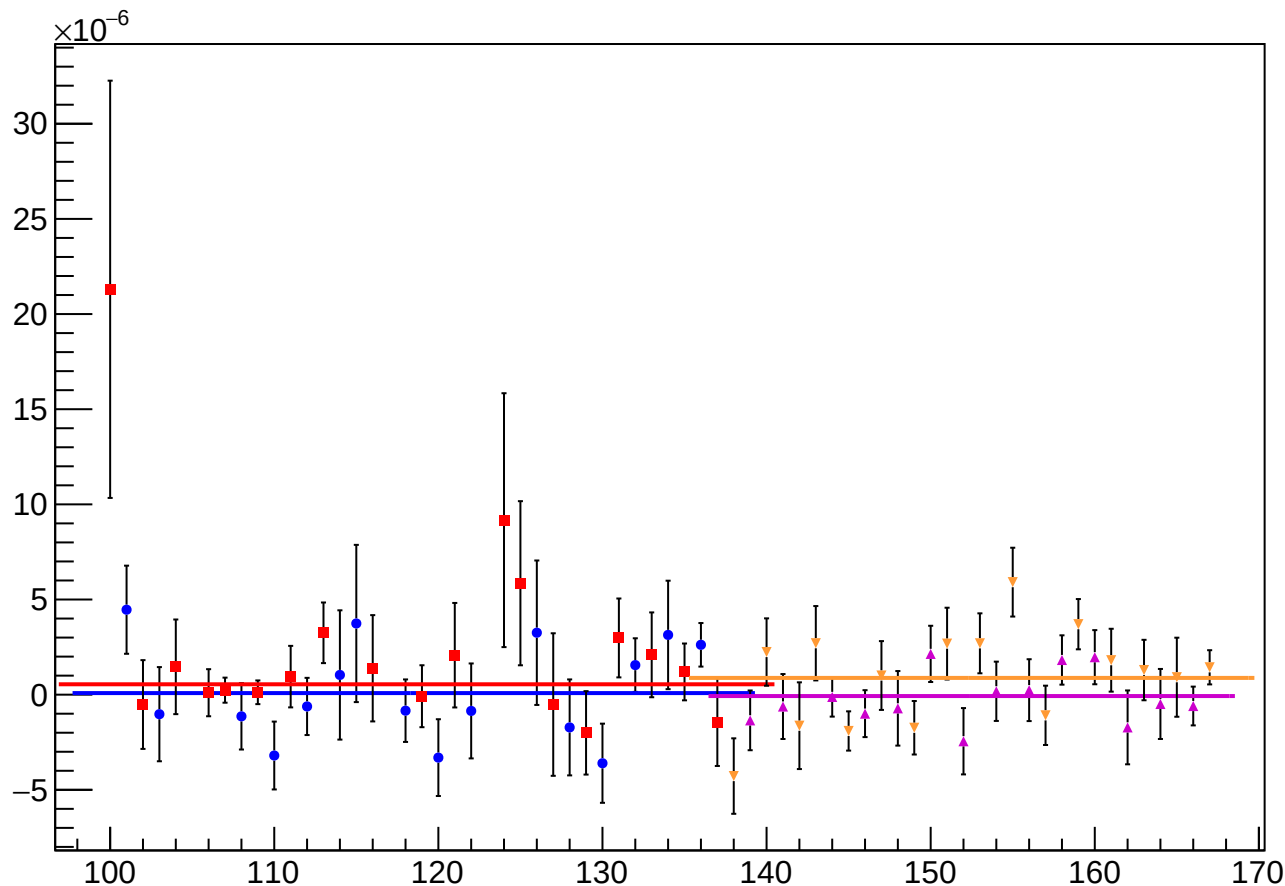
Left In: 19.296 $\pm$ 0.004 χ^2/NDF : 2127005.5/13

+ sign 19.724 $\pm$ 0.003 χ^2/NDF : 3929801.8/31

All: 19.779 $\pm$ 0.002 χ^2/NDF : 7391263.9/64

- sign 19.838 $\pm$ 0.004 χ^2/NDF : 3460938.8/32

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:37.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

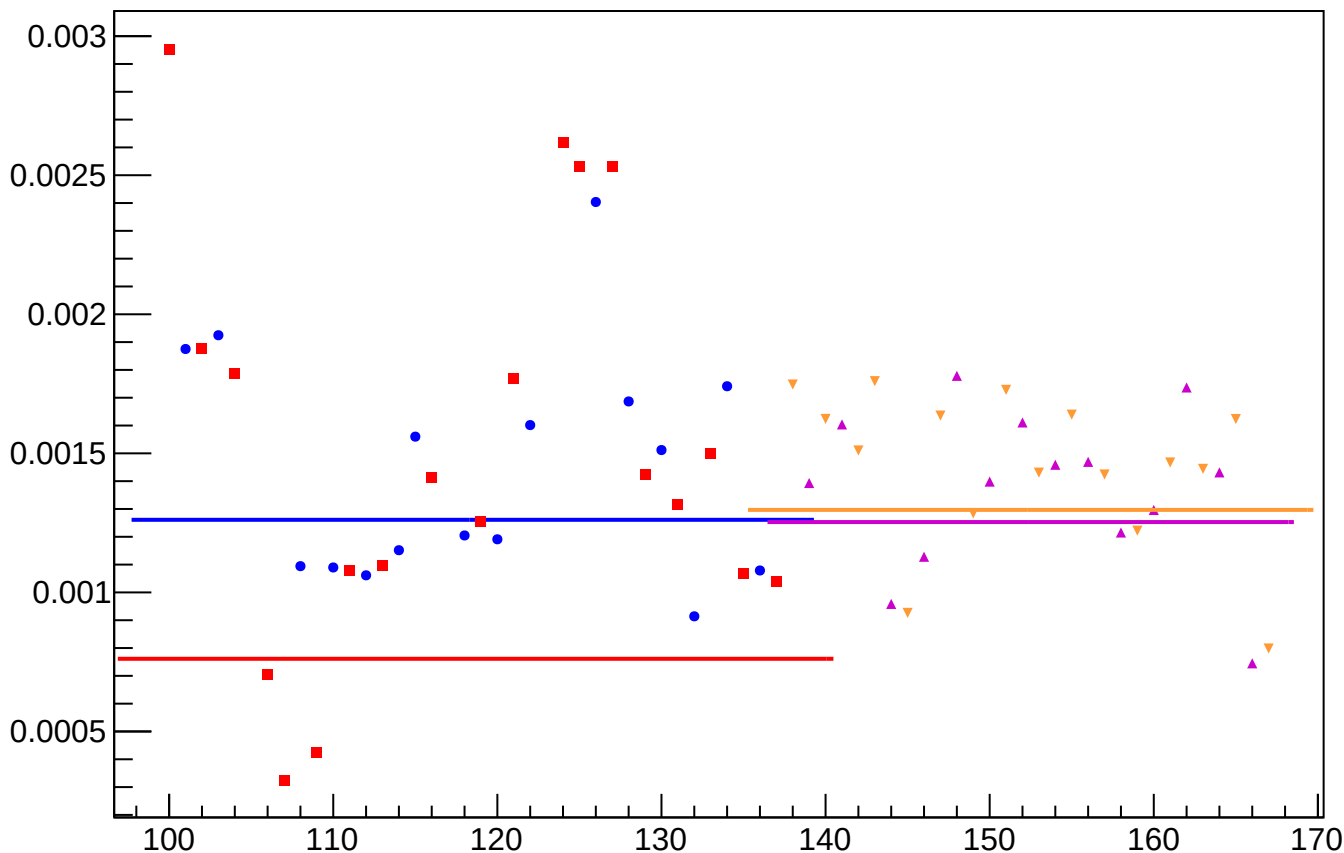
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:10.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.3/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 90.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.9/32

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: 0.001+/-0.000 χ^2/NDF : 1543662.8/15

Right Out: 0.001+/-0.000 χ^2/NDF : 4672607.8/18

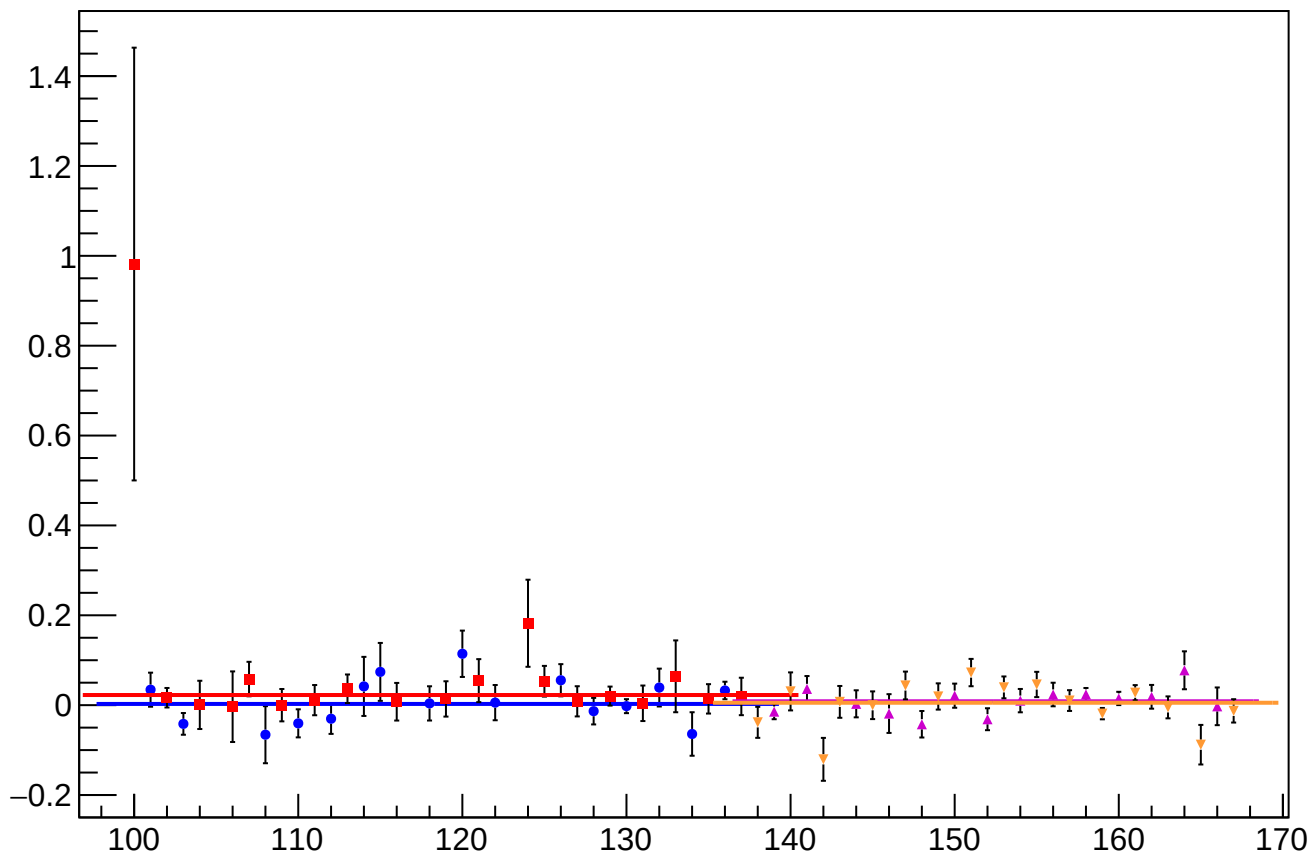
Left In: 0.001+/-0.000 χ^2/NDF : 1245203.8/13

+ sign 0.001+/-0.000 χ^2/NDF : 2457686.3/31

All: 0.001+/-0.000 χ^2/NDF : 11448266.3/64

- sign 0.001+/-0.000 χ^2/NDF : 7765132.6/32

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: 0.005 $\pm$ 0.006 χ^2 /NDF:30.3/15

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

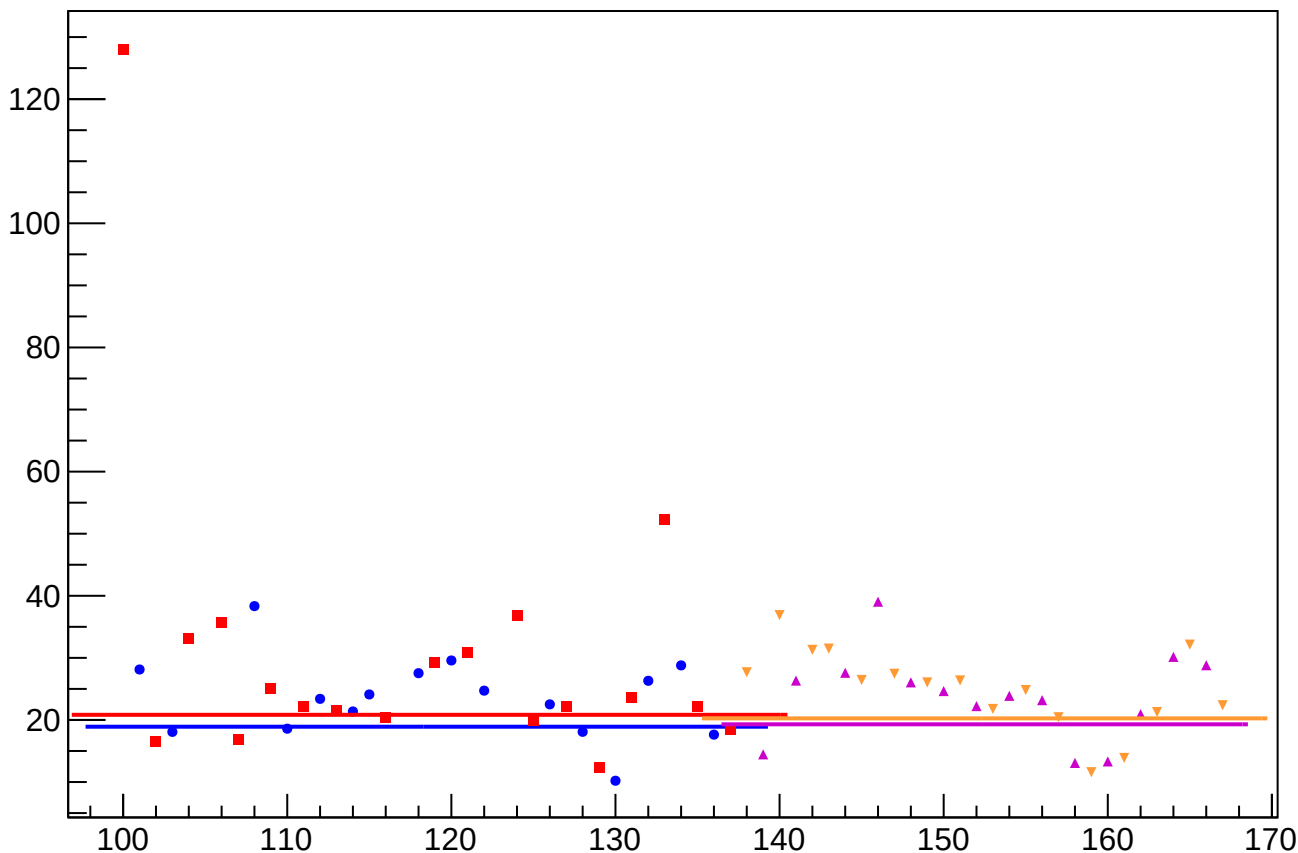
Left In: 0.009 $\pm$ 0.006 χ^2 /NDF:13.7/13

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 52.3/31

All: 0.009 $\pm$ 0.004 χ^2 /NDF: 80.2/64

- sign 0.014 $\pm$ 0.005 χ^2 /NDF: 26.2/32

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912 $\pm$ 0.006 χ^2 /NDF: 1390233.4/15

Left Out: 20.253 $\pm$ 0.004 χ^2 /NDF: 2503831.6/15

Right Out: 20.827 $\pm$ 0.006 χ^2 /NDF: 1291537.3/18

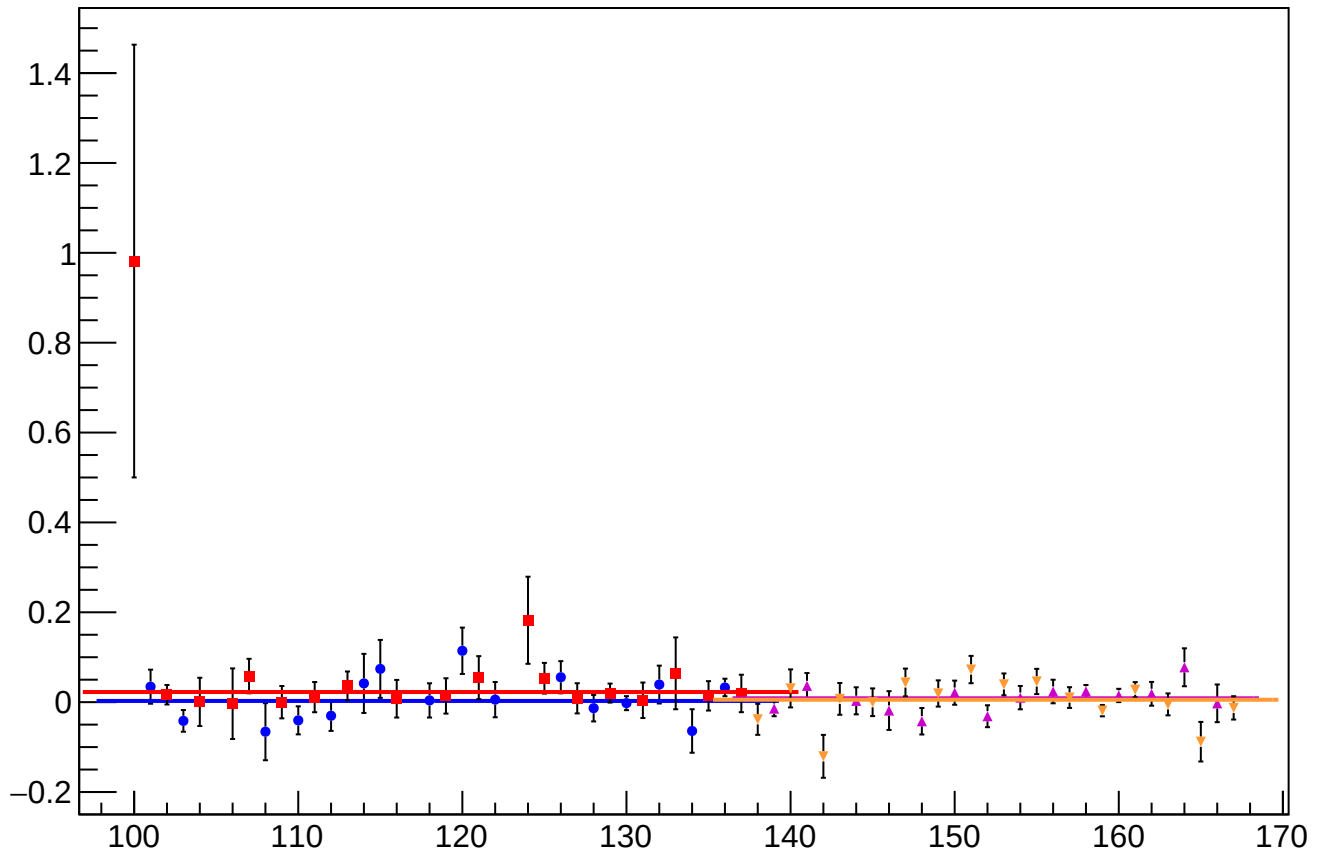
Left In: 19.296 $\pm$ 0.004 χ^2 /NDF: 2127103.0/13

+ sign 19.724 $\pm$ 0.003 χ^2 /NDF: 3929862.7/31

All: 19.780 $\pm$ 0.002 χ^2 /NDF: 7391419.6/64

- sign 19.838 $\pm$ 0.004 χ^2 /NDF: 3461033.5/32

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF : 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF : 30.3/15

Right Out: 0.023+/-0.008 χ^2/NDF : 10.8/18

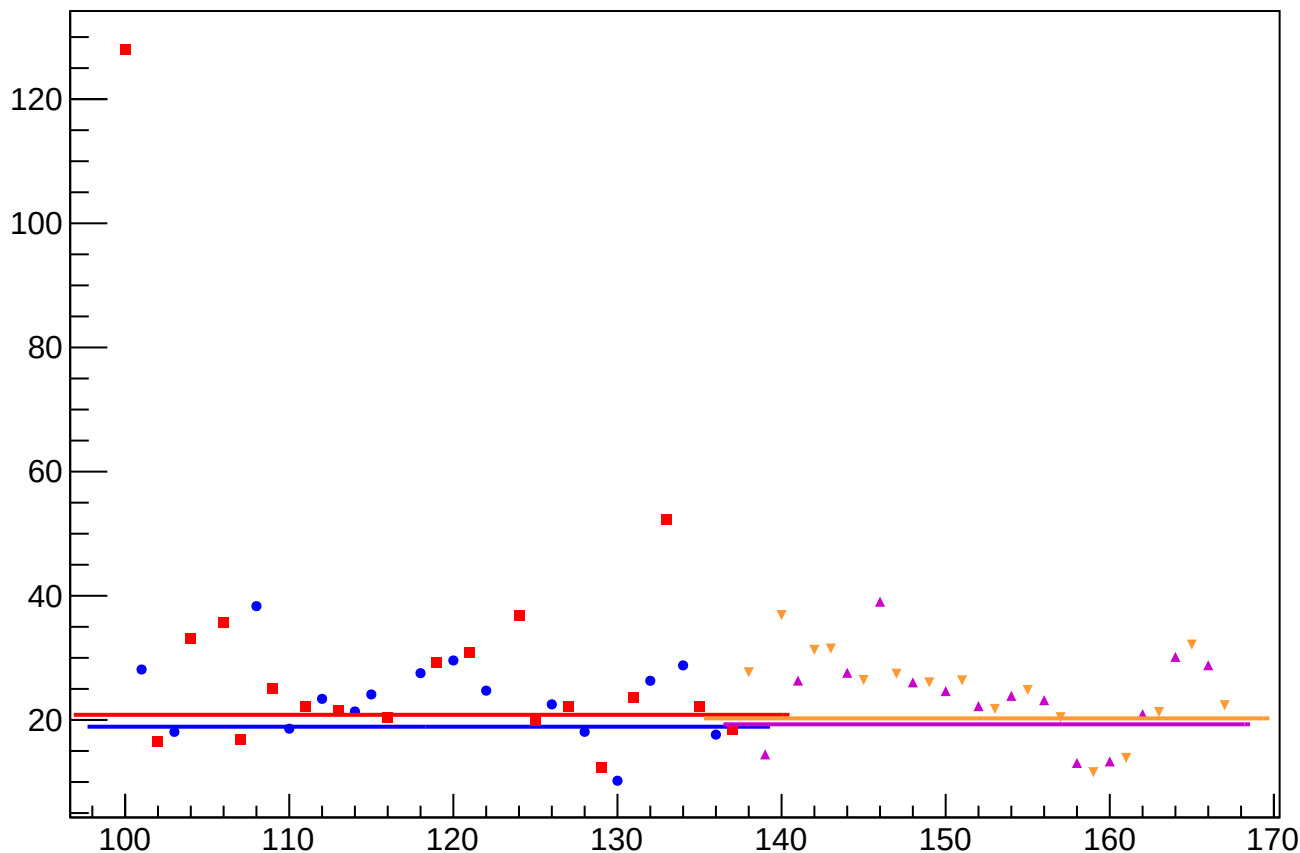
Left In: 0.009+/-0.006 χ^2/NDF : 13.7/13

+ sign 0.004+/-0.005 χ^2/NDF : 52.3/31

All: 0.009+/-0.004 χ^2/NDF : 80.2/64

- sign 0.014+/-0.005 χ^2/NDF : 26.2/32

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: 20.253 $\pm$ 0.004 χ^2/NDF : 2503831.6/15

Right Out: 20.827 $\pm$ 0.006 χ^2/NDF : 1291537.3/18

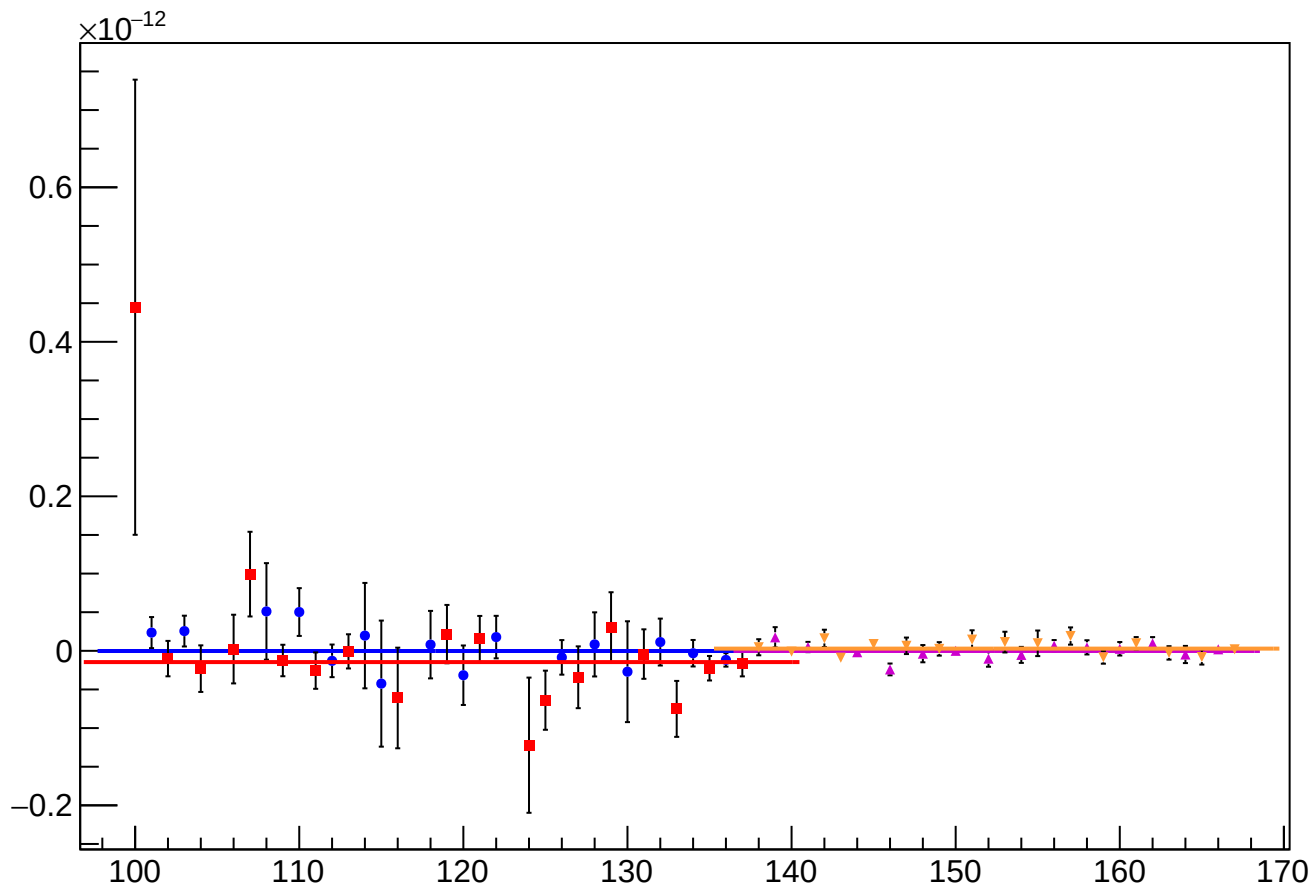
Left In: 19.296 $\pm$ 0.004 χ^2/NDF : 2127103.0/13

+ sign 19.724 $\pm$ 0.003 χ^2/NDF : 3929862.7/31

All: 19.780 $\pm$ 0.002 χ^2/NDF : 7391419.6/64

- sign 19.838 $\pm$ 0.004 χ^2/NDF : 3461033.5/32

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 : 14.7/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.6/18

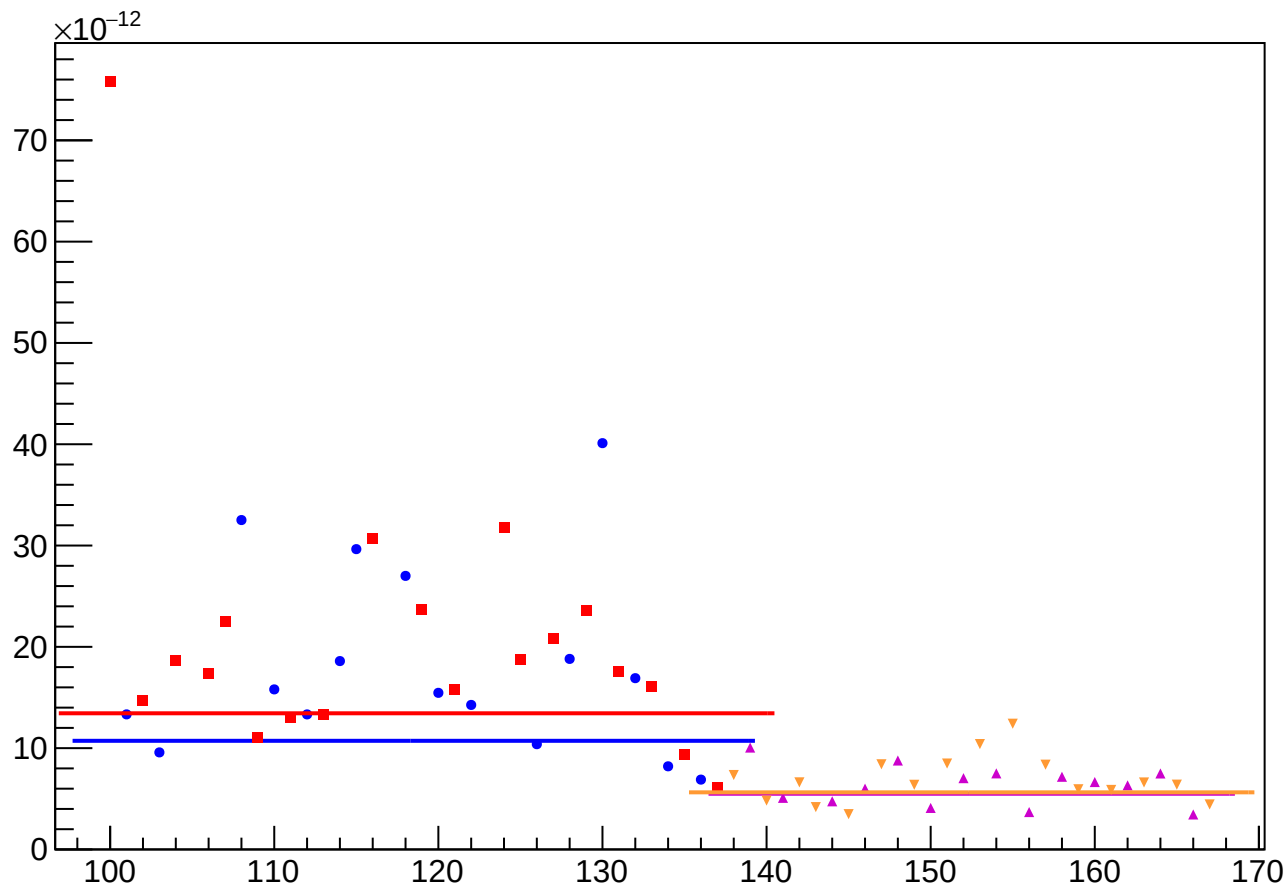
Left In: -0.000 ± 0.000 χ^2/NDF : 16.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 25.5/31

All: 0.000 ± 0.000 χ^2/NDF : 66.0/64

- sign -0.000 ± 0.000 χ^2/NDF : 38.5/32

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1674504.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1402984.9/18

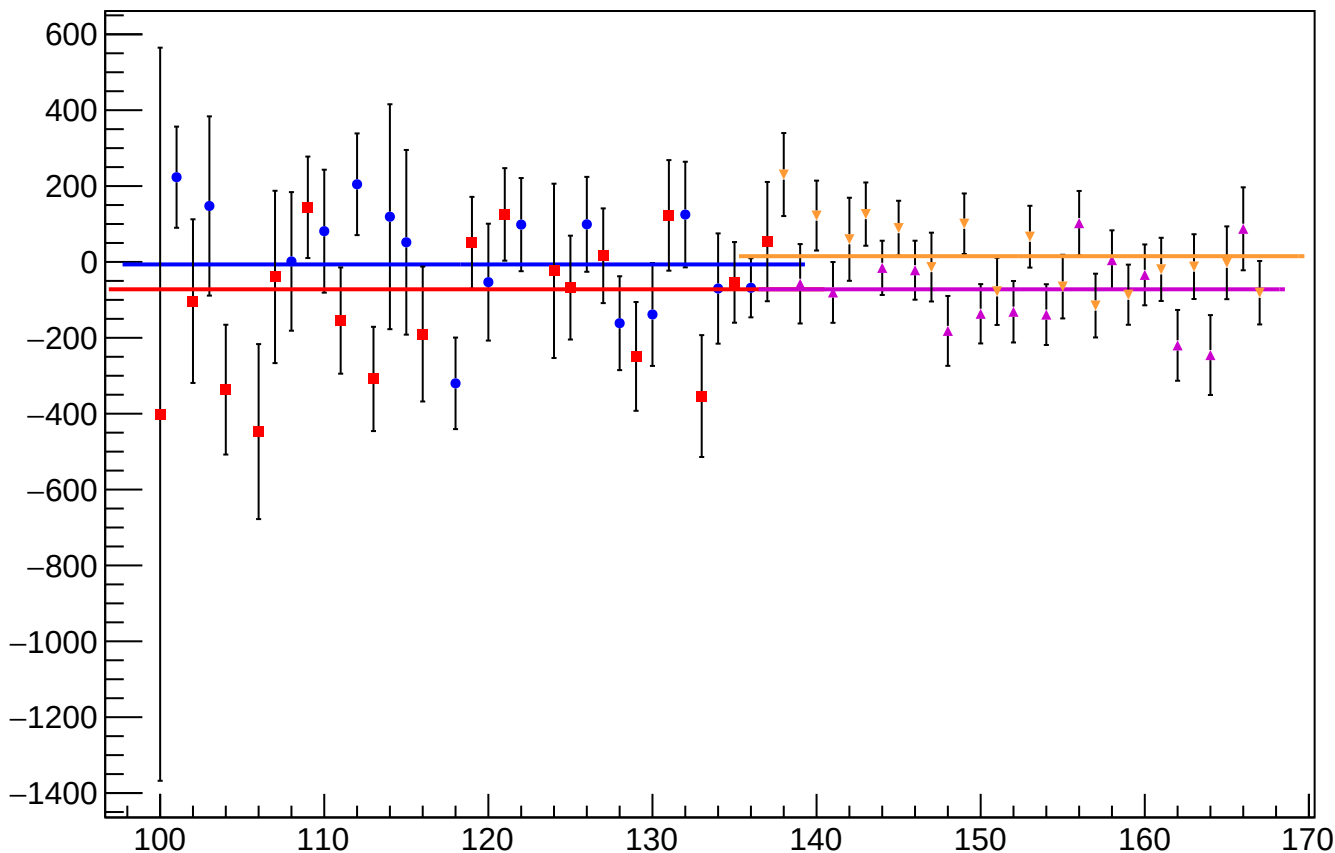
Left In: 0.000+/-0.000 χ^2/NDF : 1232186.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 4964187.3/31

All: 0.000+/-0.000 χ^2/NDF : 10268790.7/64

- sign 0.000+/-0.000 χ^2/NDF : 5304472.8/32

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559 $\pm$ 34.286 χ^2/NDF : 18.9/15

Left Out: 15.130 $\pm$ 21.548 χ^2/NDF : 17.5/15

Right Out: -72.124 $\pm$ 34.883 χ^2/NDF : 22.8/18

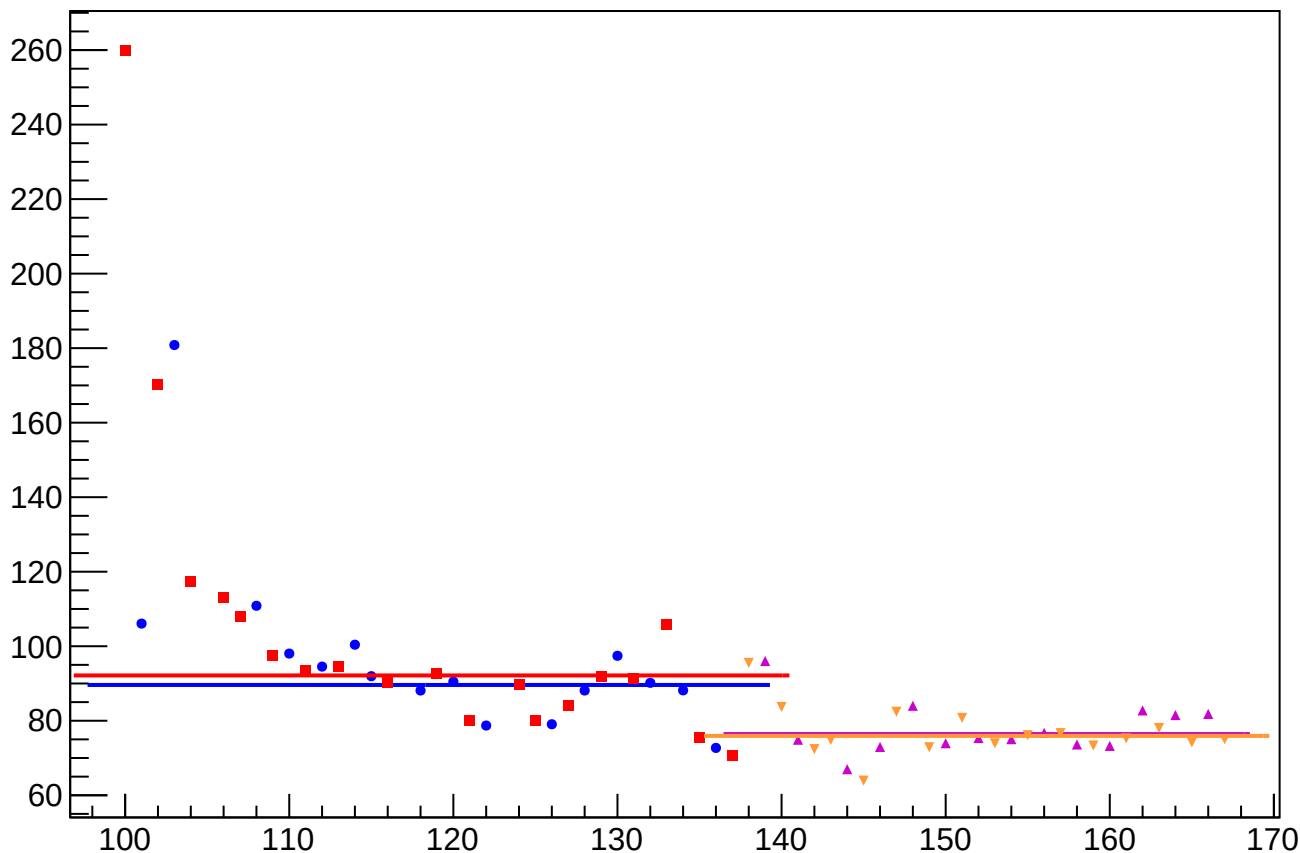
Left In: -72.153 $\pm$ 22.683 χ^2/NDF : 17.2/13

+ sign 8.989 $\pm$ 18.244 χ^2/NDF : 36.7/31

All: -29.897 $\pm$ 13.165 χ^2/NDF : 86.2/64

- sign -72.144 $\pm$ 19.016 χ^2/NDF : 39.9/32

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 ± 0.024 χ^2/NDF : 498380.8/15

Left Out: 75.936 ± 0.015 χ^2/NDF : 161054.8/15

Right Out: 92.161 ± 0.025 χ^2/NDF : 542074.4/18

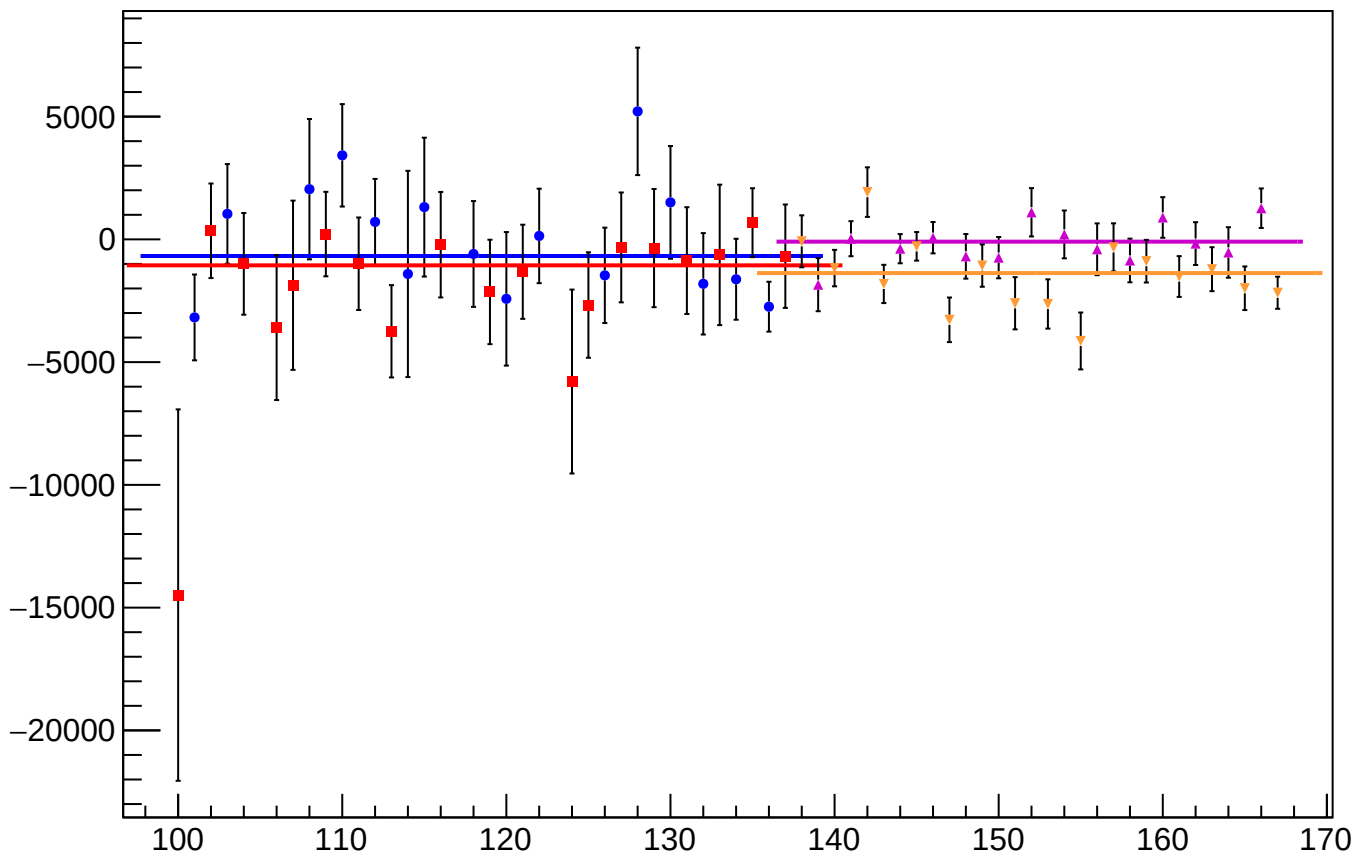
Left In: 76.422 ± 0.016 χ^2/NDF : 150703.8/13

+ sign 79.806 ± 0.013 χ^2/NDF : 887282.0/31

All: 80.426 ± 0.009 χ^2/NDF : 1871030.4/64

- sign 81.100 ± 0.013 χ^2/NDF : 978926.0/32

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381 ± 486.480 χ^2/NDF : 20.3/15

Left Out: -1372.375 ± 212.526 χ^2/NDF : 32.7/15

Right Out: -1058.761 ± 496.350 χ^2/NDF : 11.5/18

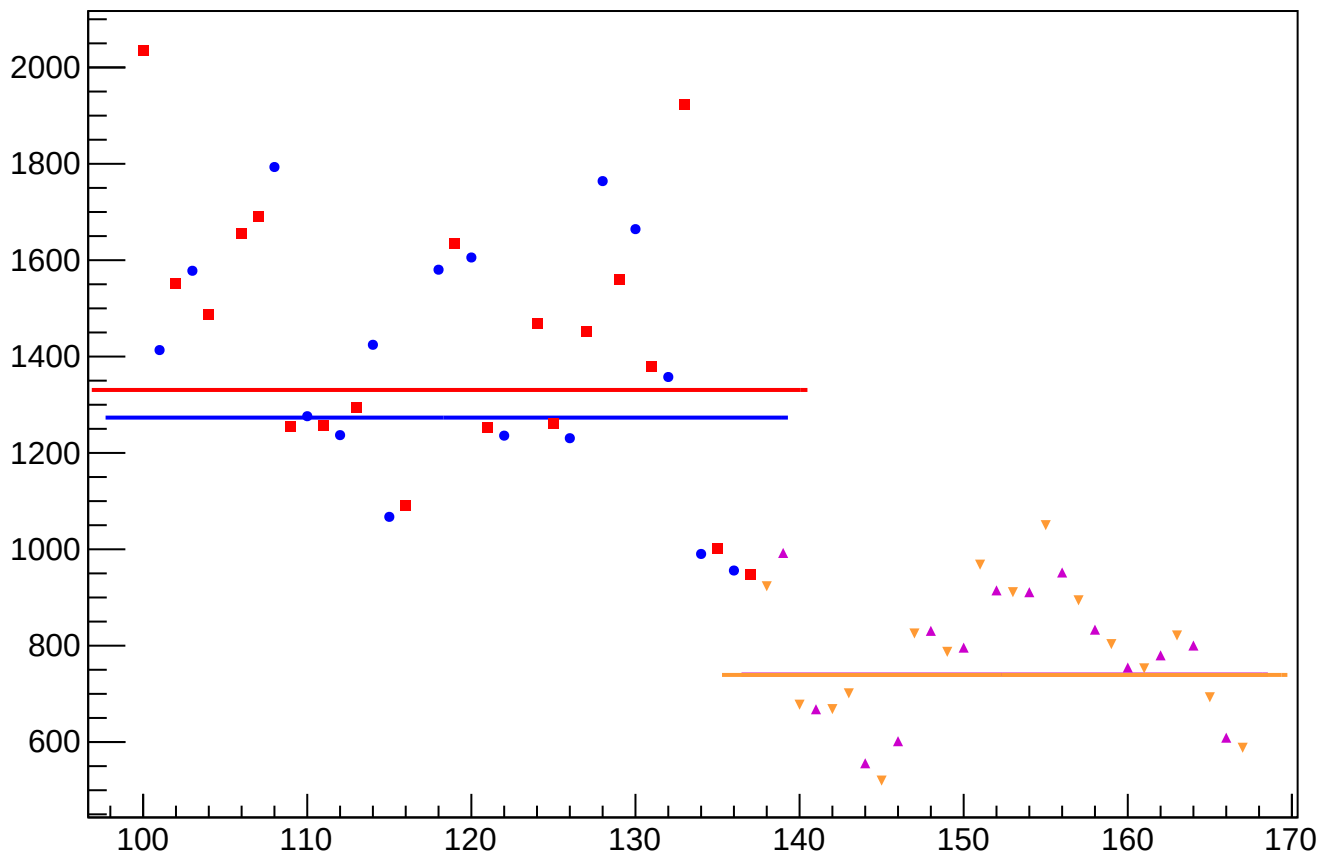
Left In: -93.549 ± 222.243 χ^2/NDF : 10.9/13

+ sign -1260.993 ± 194.753 χ^2/NDF : 54.7/31

All: -778.321 ± 140.482 χ^2/NDF : 92.9/64

- sign -254.741 ± 202.838 χ^2/NDF : 25.5/32

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324 $\pm$ 0.344 χ^2 /NDF: 597520.6/15

Left Out: 739.305 $\pm$ 0.150 χ^2 /NDF: 882529.5/15

Right Out: 1330.683 $\pm$ 0.351 χ^2 /NDF: 470703.7/18

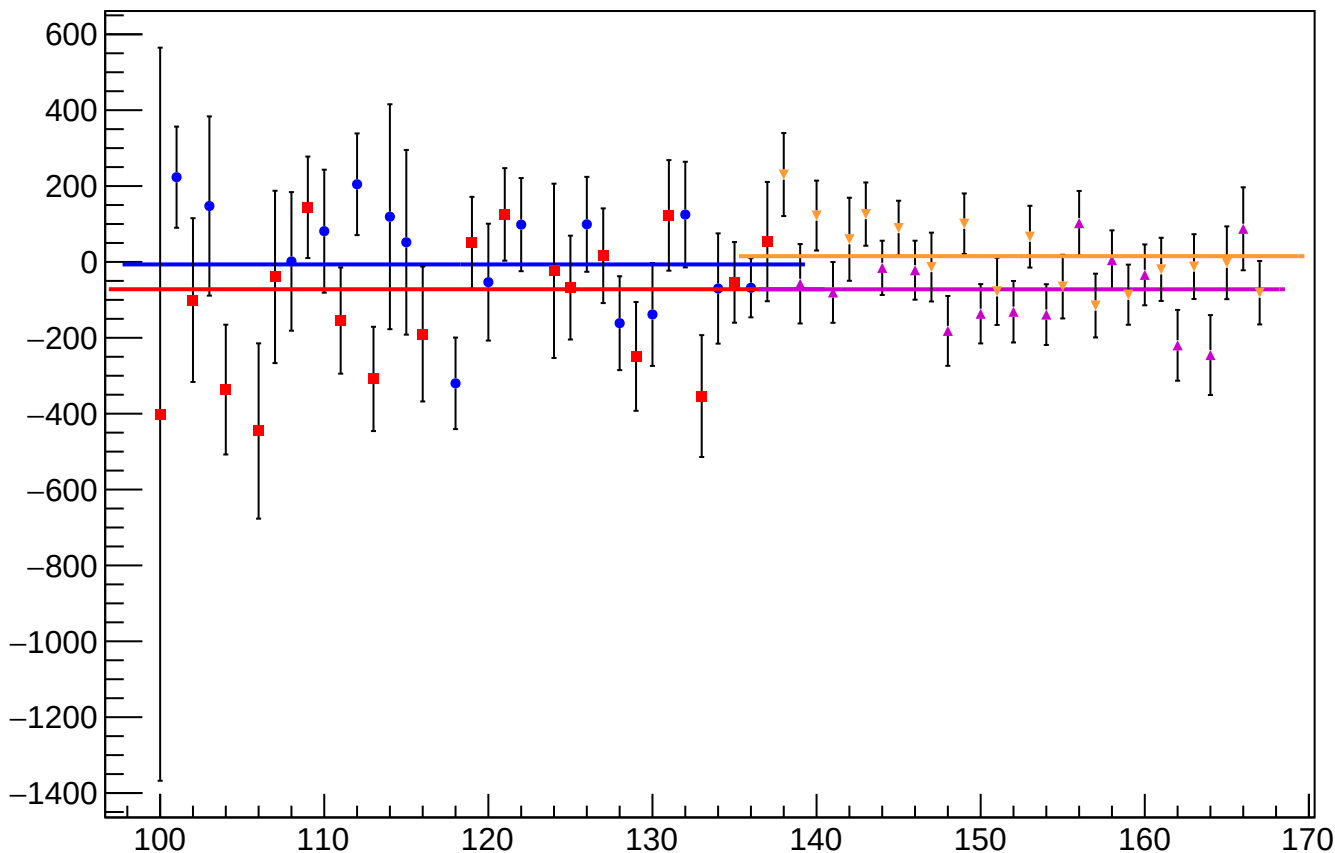
Left In: 740.126 $\pm$ 0.157 χ^2 /NDF: 735729.4/13

+ sign 824.889 $\pm$ 0.138 χ^2 /NDF: 3503797.8/31

All: 831.538 $\pm$ 0.099 χ^2 /NDF: 7073515.7/64

- sign 838.750 $\pm$ 0.143 χ^2 /NDF: 3564858.6/32

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 ± 34.286 χ^2/NDF : 18.9/15

Left Out: 15.135 ± 21.548 χ^2/NDF : 17.5/15

Right Out: -71.981 ± 34.885 χ^2/NDF : 22.8/18

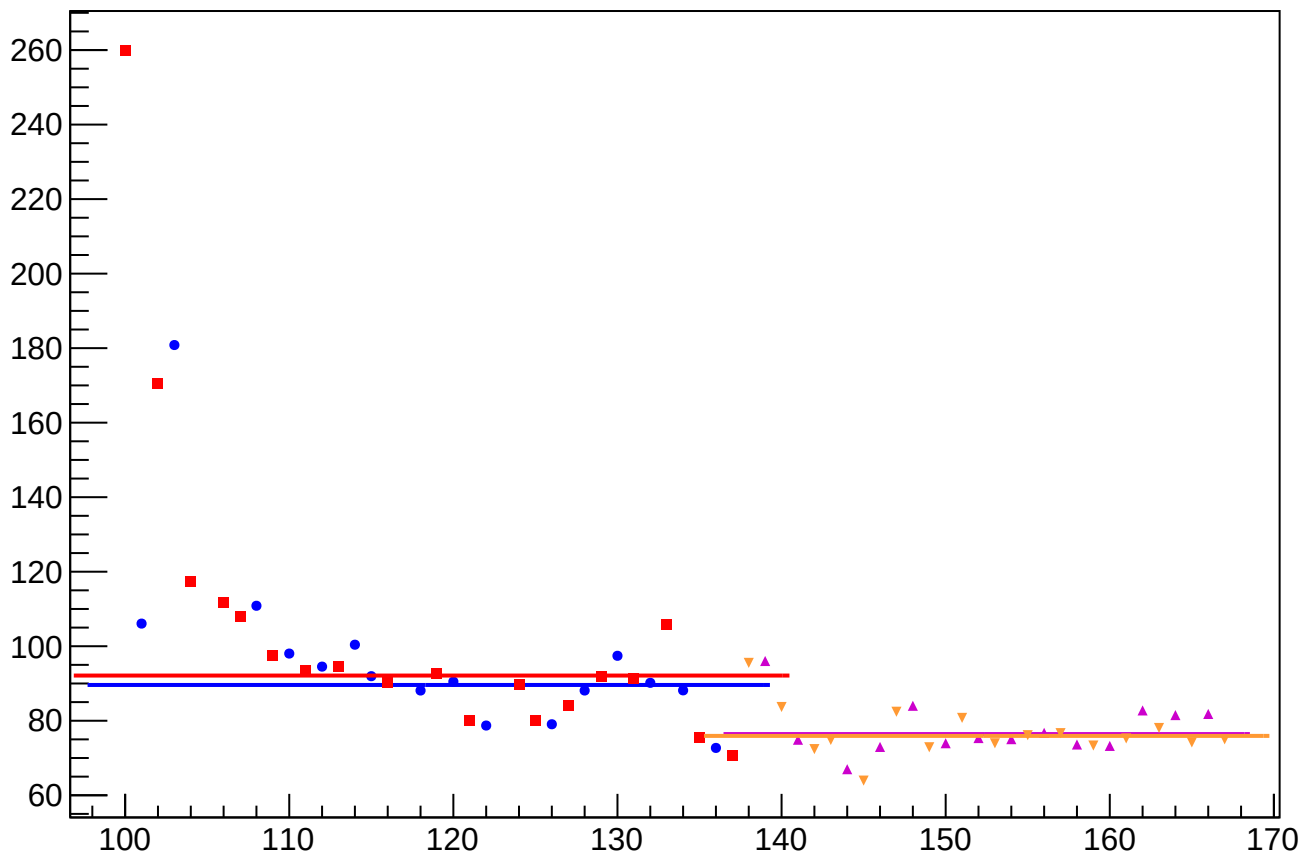
Left In: -72.154 ± 22.683 χ^2/NDF : 17.2/13

+ sign 8.990 ± 18.244 χ^2/NDF : 36.8/31

All: -29.876 ± 13.165 χ^2/NDF : 86.1/64

- sign -72.102 ± 19.017 χ^2/NDF : 39.9/32

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 ± 0.024 χ^2/NDF : 498384.4/15

Left Out: 75.936 ± 0.015 χ^2/NDF : 161054.8/15

Right Out: 92.129 ± 0.025 χ^2/NDF : 540308.7/18

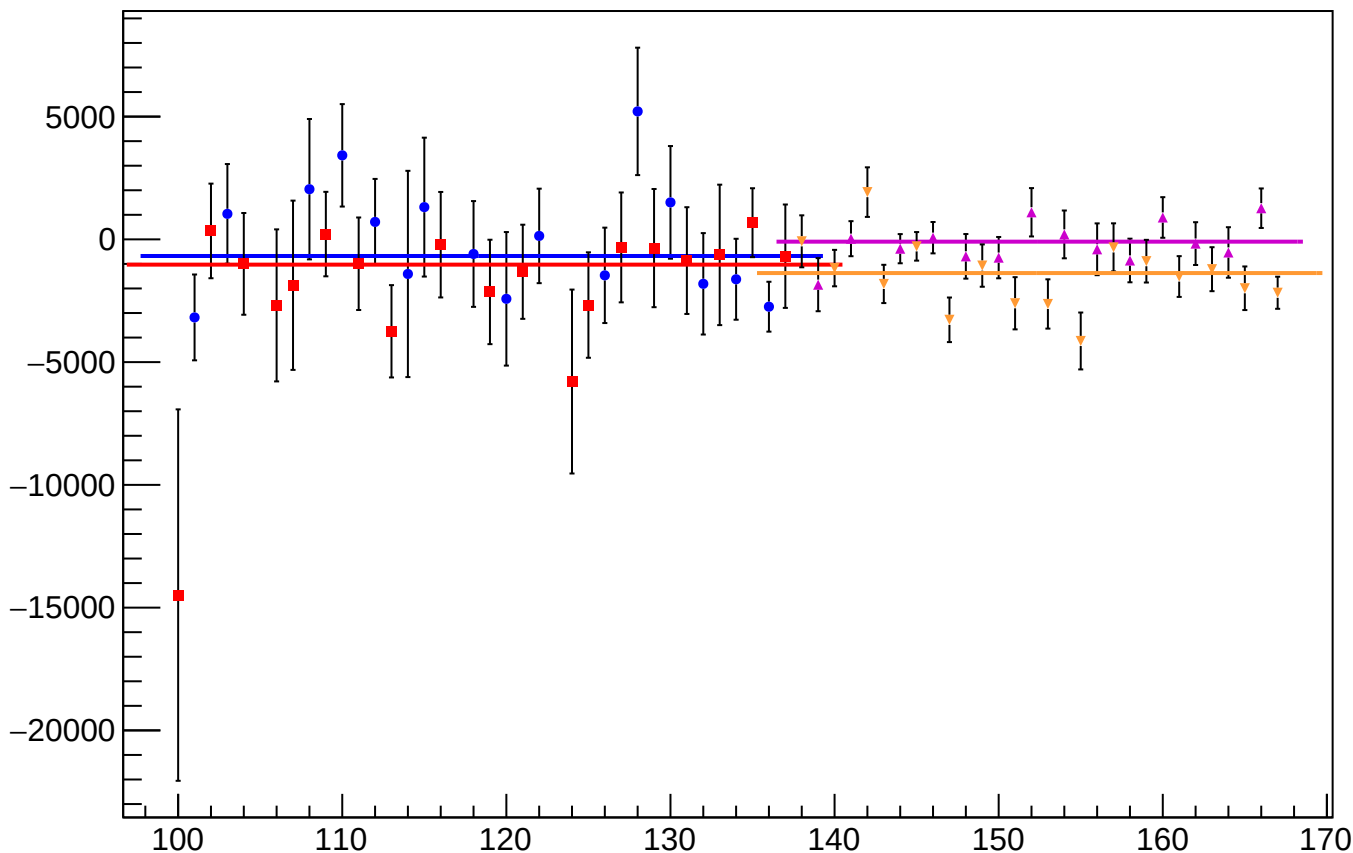
Left In: 76.422 ± 0.016 χ^2/NDF : 150703.8/13

+ sign 79.806 ± 0.013 χ^2/NDF : 887285.5/31

All: 80.421 ± 0.009 χ^2/NDF : 1868018.2/64

- sign 81.090 ± 0.013 χ^2/NDF : 975983.2/32

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF : 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF : 32.7/15

Right Out: -1029.395+/-497.018 χ^2/NDF : 11.0/18

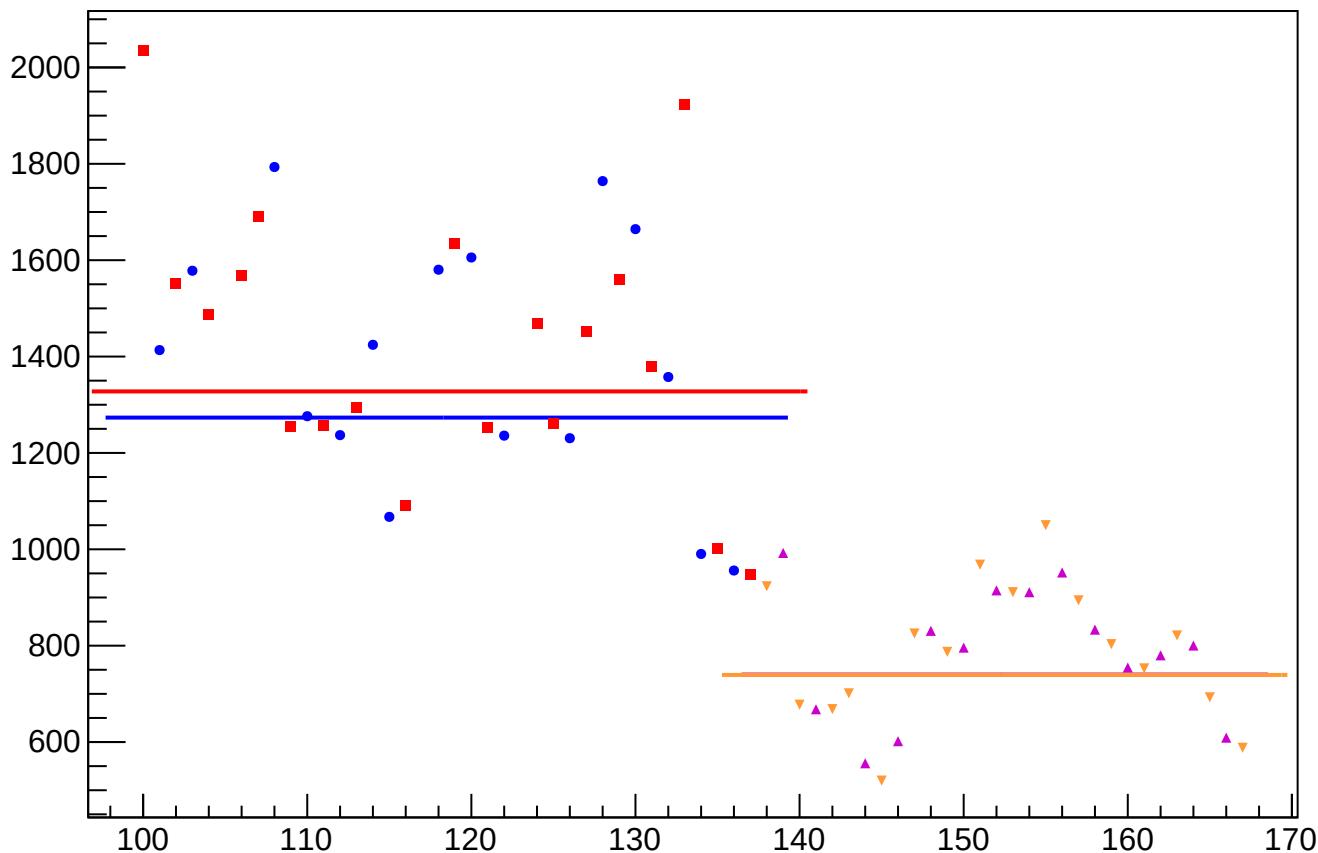
Left In: -93.551+/-222.243 χ^2/NDF : 10.9/13

+ sign -1260.980+/-194.753 χ^2/NDF : 54.7/31

All: -775.909+/-140.497 χ^2/NDF : 92.4/64

- sign -249.489+/-202.883 χ^2/NDF : 24.8/32

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327 $\pm$ 0.344 χ^2 /NDF: 597547.8/15

Left Out: 739.305 $\pm$ 0.150 χ^2 /NDF: 882533.8/15

Right Out: 1327.661 $\pm$ 0.351 χ^2 /NDF: 458481.2/18

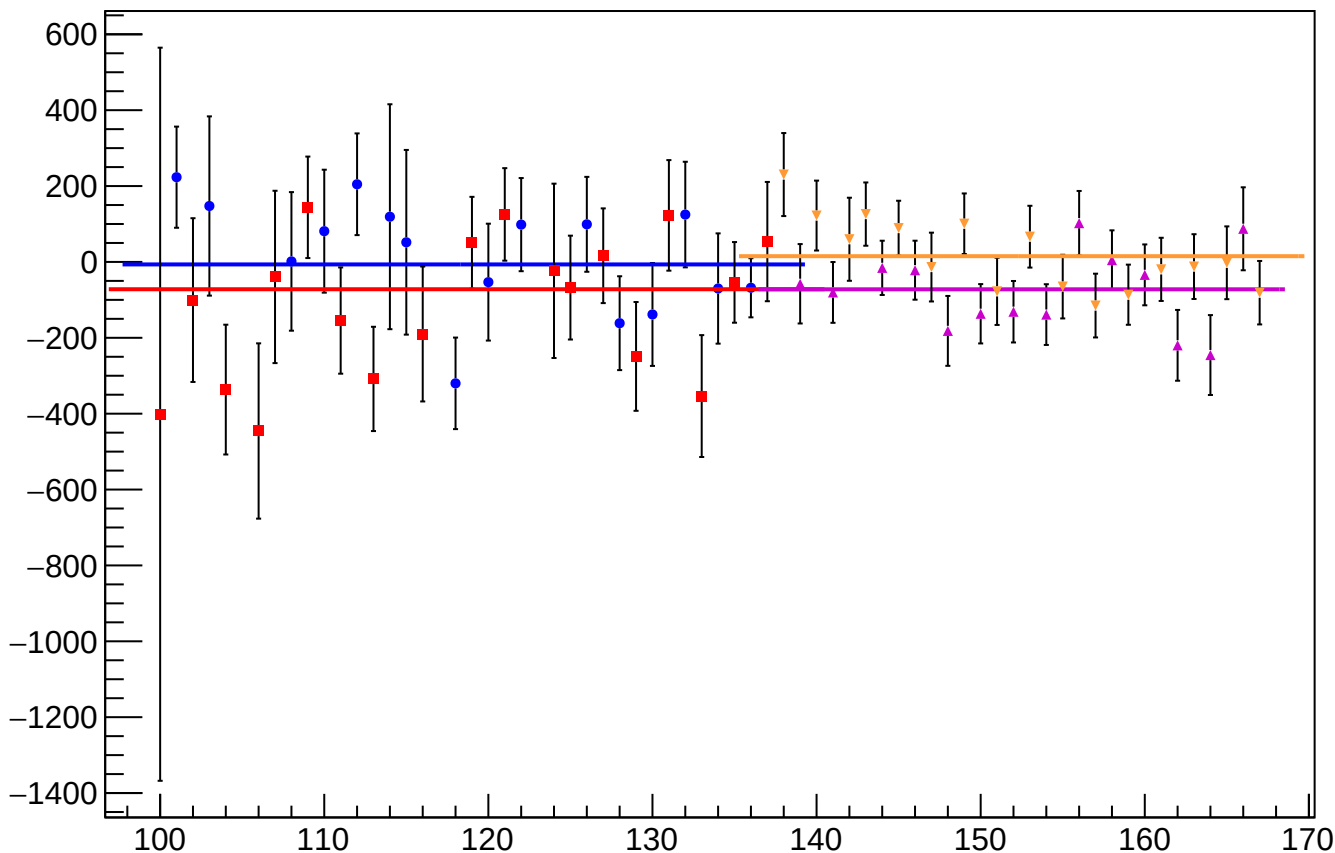
Left In: 740.126 $\pm$ 0.157 χ^2 /NDF: 735726.9/13

+ sign 824.889 $\pm$ 0.138 χ^2 /NDF: 3503845.3/31

All: 831.189 $\pm$ 0.099 χ^2 /NDF: 7031540.0/64

- sign 838.026 $\pm$ 0.143 χ^2 /NDF: 3523330.6/32

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 $\pm$ 34.286 χ^2/NDF : 18.9/15

Left Out: 15.135 $\pm$ 21.548 χ^2/NDF : 17.5/15

Right Out: -71.981 $\pm$ 34.885 χ^2/NDF : 22.8/18

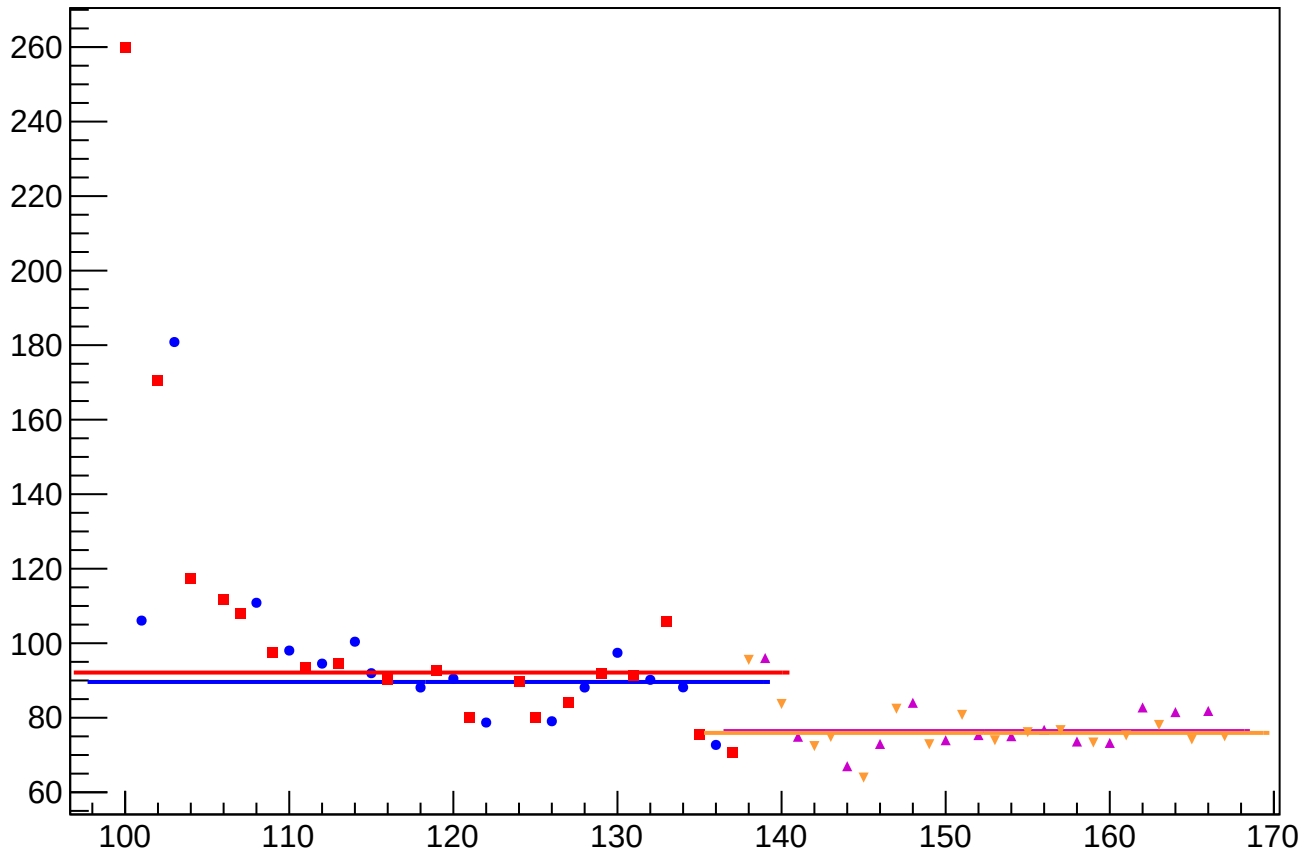
Left In: -72.154 $\pm$ 22.683 χ^2/NDF : 17.2/13

+ sign 8.990 $\pm$ 18.244 χ^2/NDF : 36.8/31

All: -29.876 $\pm$ 13.165 χ^2/NDF : 86.1/64

- sign -72.102 $\pm$ 19.017 χ^2/NDF : 39.9/32

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 ± 0.024 χ^2/NDF : 498384.4/15

Left Out: 75.936 ± 0.015 χ^2/NDF : 161054.8/15

Right Out: 92.129 ± 0.025 χ^2/NDF : 540308.7/18

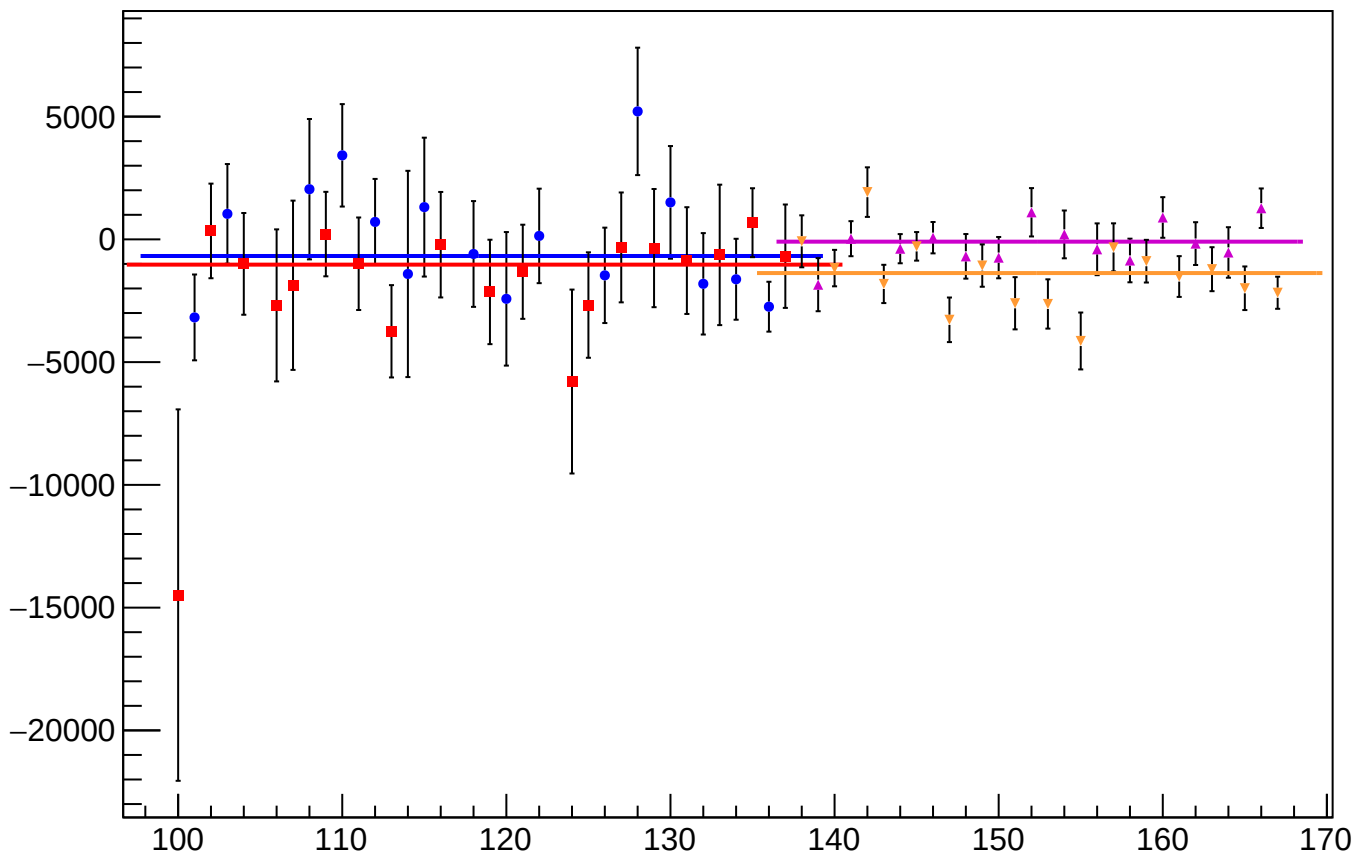
Left In: 76.422 ± 0.016 χ^2/NDF : 150703.8/13

+ sign 79.806 ± 0.013 χ^2/NDF : 887285.5/31

All: 80.421 ± 0.009 χ^2/NDF : 1868018.2/64

- sign 81.090 ± 0.013 χ^2/NDF : 975983.2/32

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF : 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF : 32.7/15

Right Out: -1029.395+/-497.018 χ^2/NDF : 11.0/18

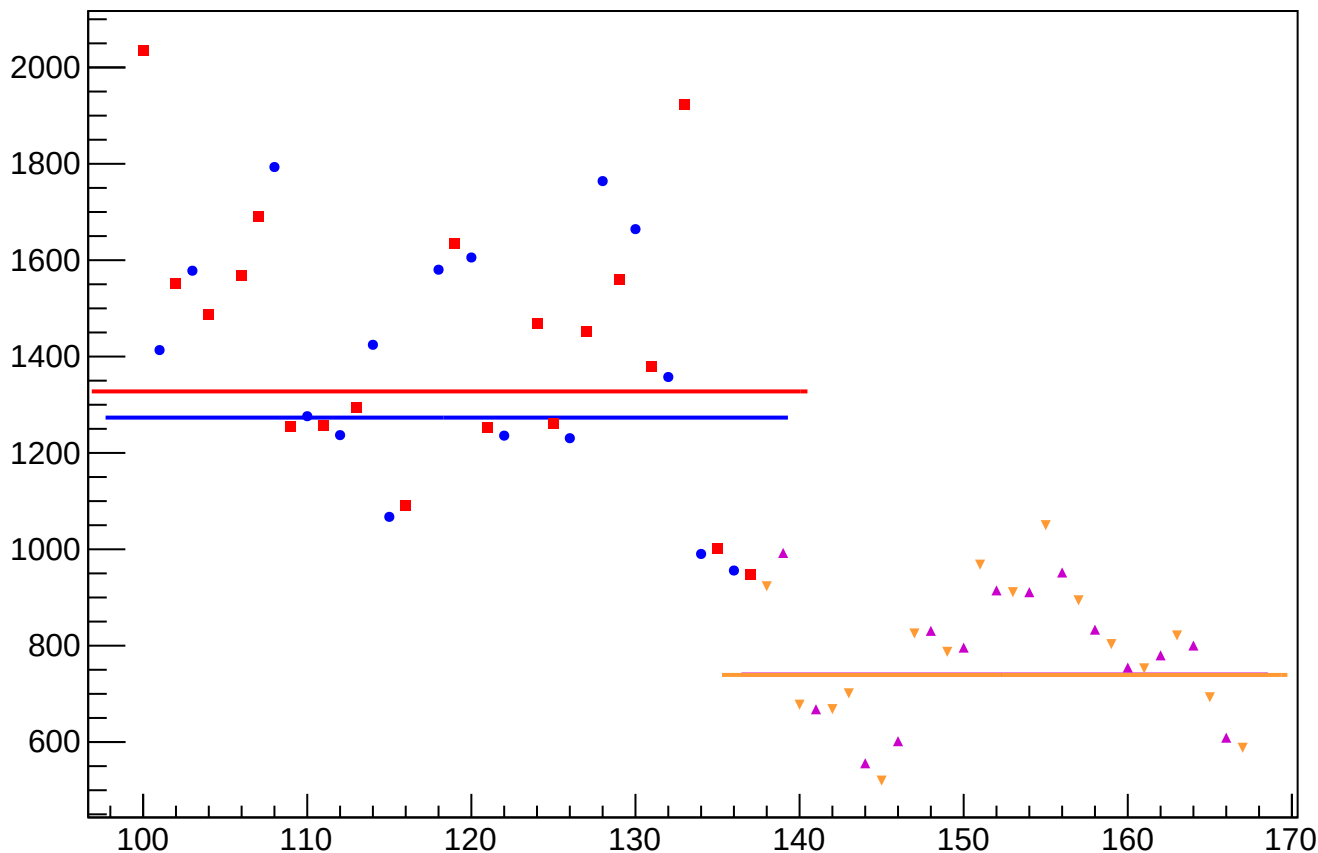
Left In: -93.551+/-222.243 χ^2/NDF : 10.9/13

+ sign -1260.980+/-194.753 χ^2/NDF : 54.7/31

All: -775.909+/-140.497 χ^2/NDF : 92.4/64

- sign -249.489+/-202.883 χ^2/NDF : 24.8/32

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1273.327 $\pm$ 0.344 χ^2 /NDF: 597547.8/15

Left Out: 739.305 $\pm$ 0.150 χ^2 /NDF: 882533.8/15

Right Out: 1327.661 $\pm$ 0.351 χ^2 /NDF: 458481.2/18

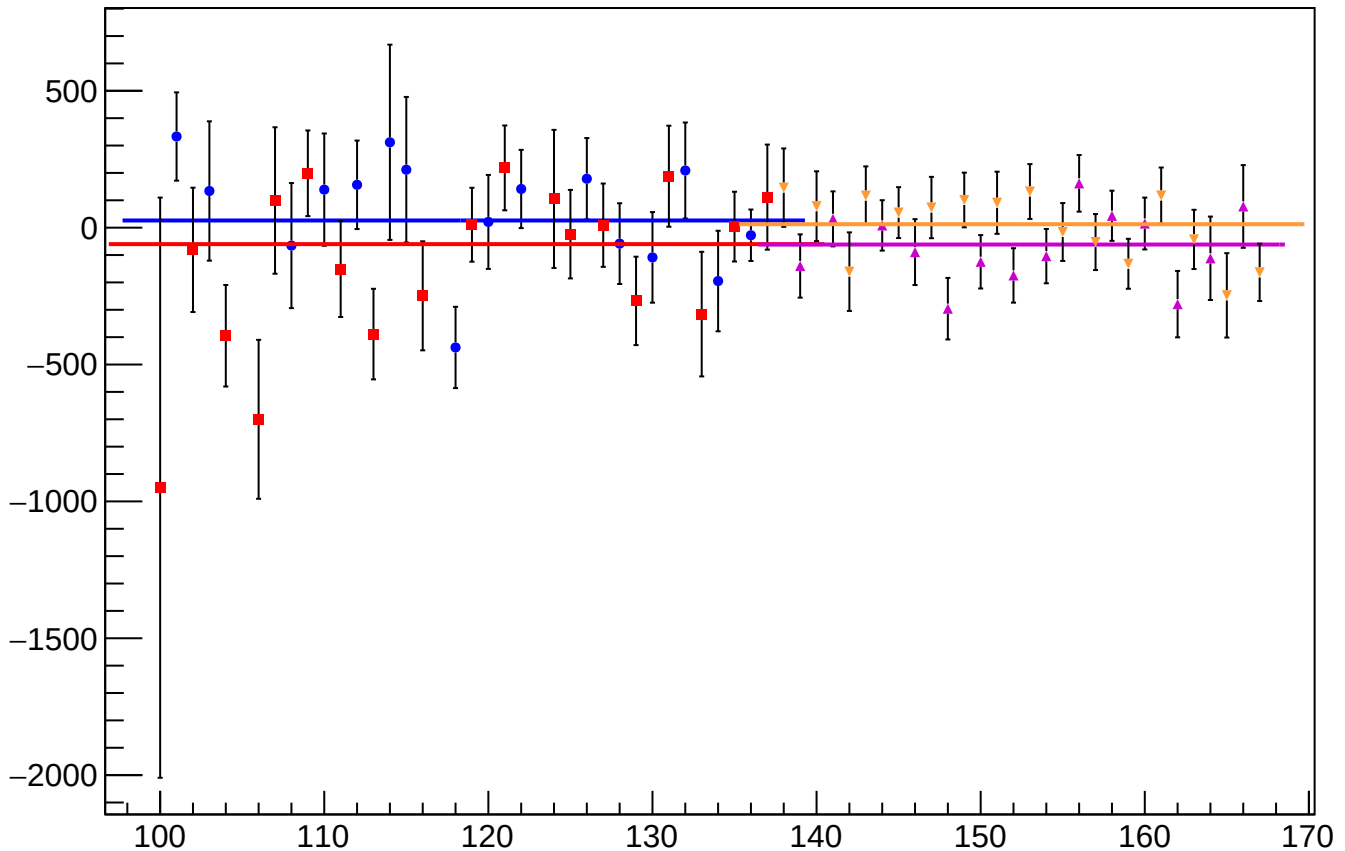
Left In: 740.126 $\pm$ 0.157 χ^2 /NDF: 735726.9/13

+ sign 824.889 $\pm$ 0.138 χ^2 /NDF: 3503845.3/31

All: 831.189 $\pm$ 0.099 χ^2 /NDF: 7031540.0/64

- sign 838.026 $\pm$ 0.143 χ^2 /NDF: 3523330.6/32

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251 ± 41.220 χ^2/NDF : 21.4/15

Left Out: 12.634 ± 27.330 χ^2/NDF : 16.7/15

Right Out: -60.119 ± 41.528 χ^2/NDF : 27.0/18

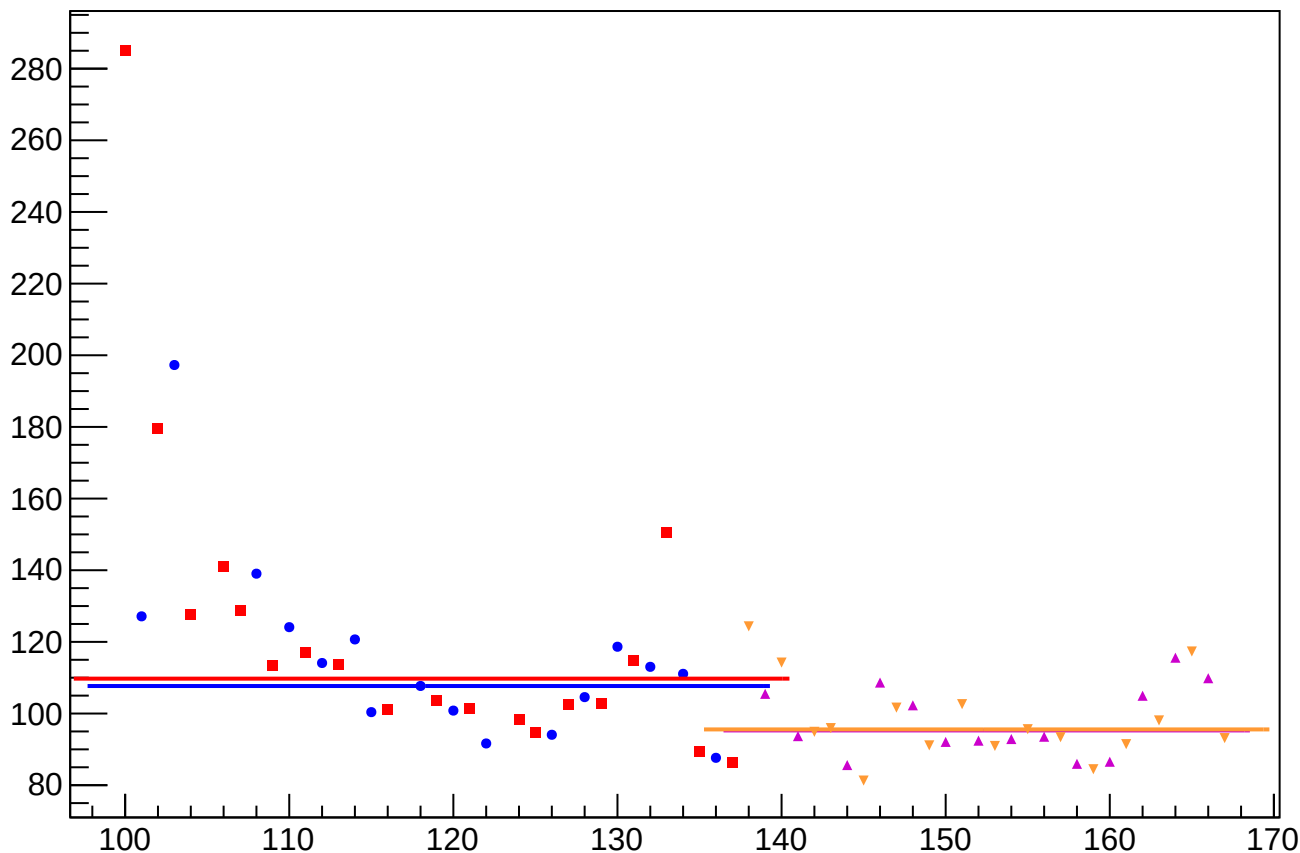
Left In: -61.644 ± 28.549 χ^2/NDF : 19.0/13

+ sign 16.792 ± 22.778 χ^2/NDF : 38.1/31

All: -20.923 ± 16.365 χ^2/NDF : 89.8/64

- sign -61.155 ± 23.526 χ^2/NDF : 46.0/32

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680 $\pm$ 0.029 χ^2 /NDF: 483125.6/15

Left Out: 95.567 $\pm$ 0.019 χ^2 /NDF: 268314.8/15

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491787.3/18

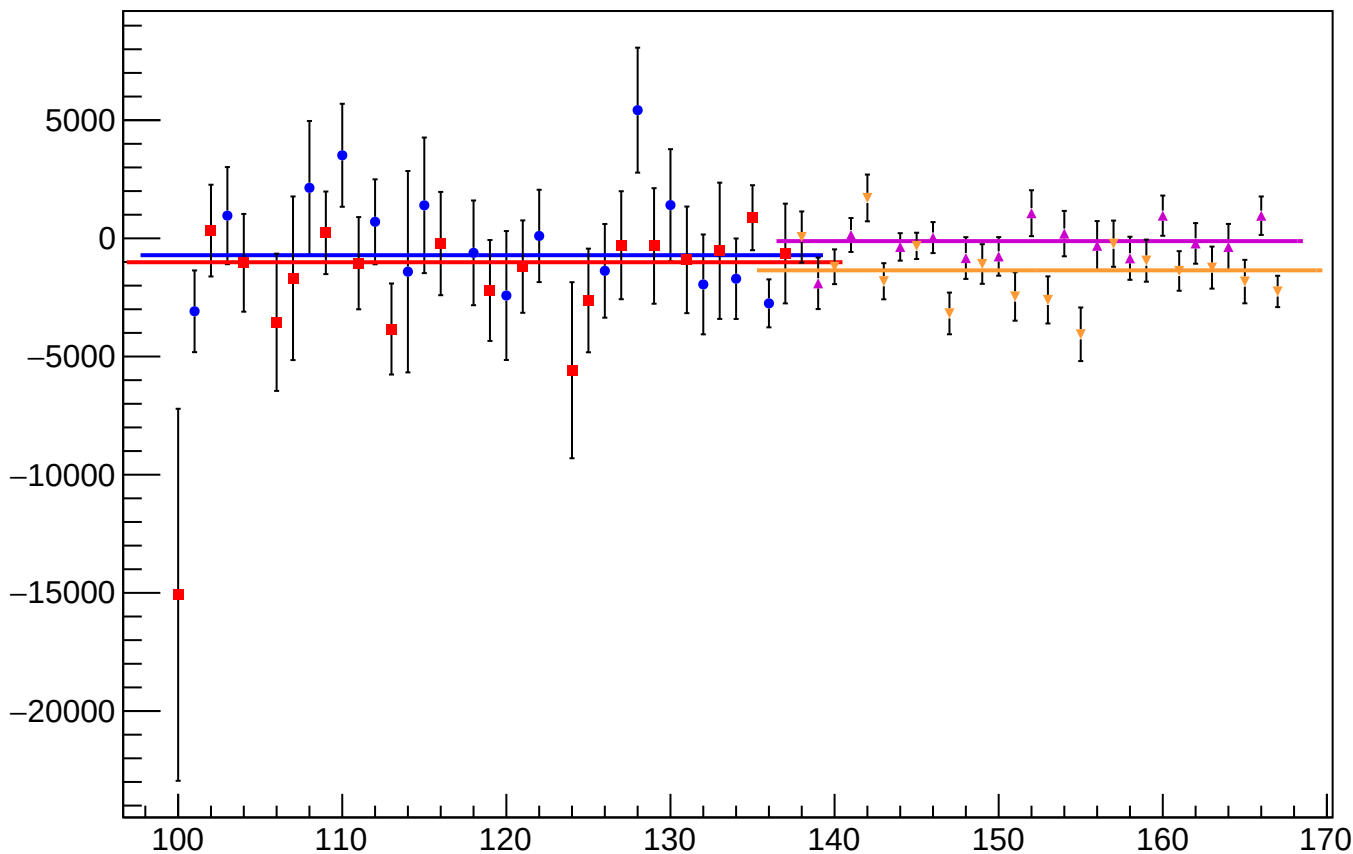
Left In: 95.286 $\pm$ 0.020 χ^2 /NDF: 180637.5/13

+ sign 99.266 $\pm$ 0.016 χ^2 /NDF: 871409.9/31

All: 99.585 $\pm$ 0.012 χ^2 /NDF: 1709151.4/64

- sign 99.925 $\pm$ 0.017 χ^2 /NDF: 836931.9/32

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887 $\pm$ 493.253 χ^2/NDF : 20.1/15

Left Out: -1353.485 $\pm$ 210.546 χ^2/NDF : 31.6/15

Right Out: -1010.557 $\pm$ 501.374 χ^2/NDF : 11.8/18

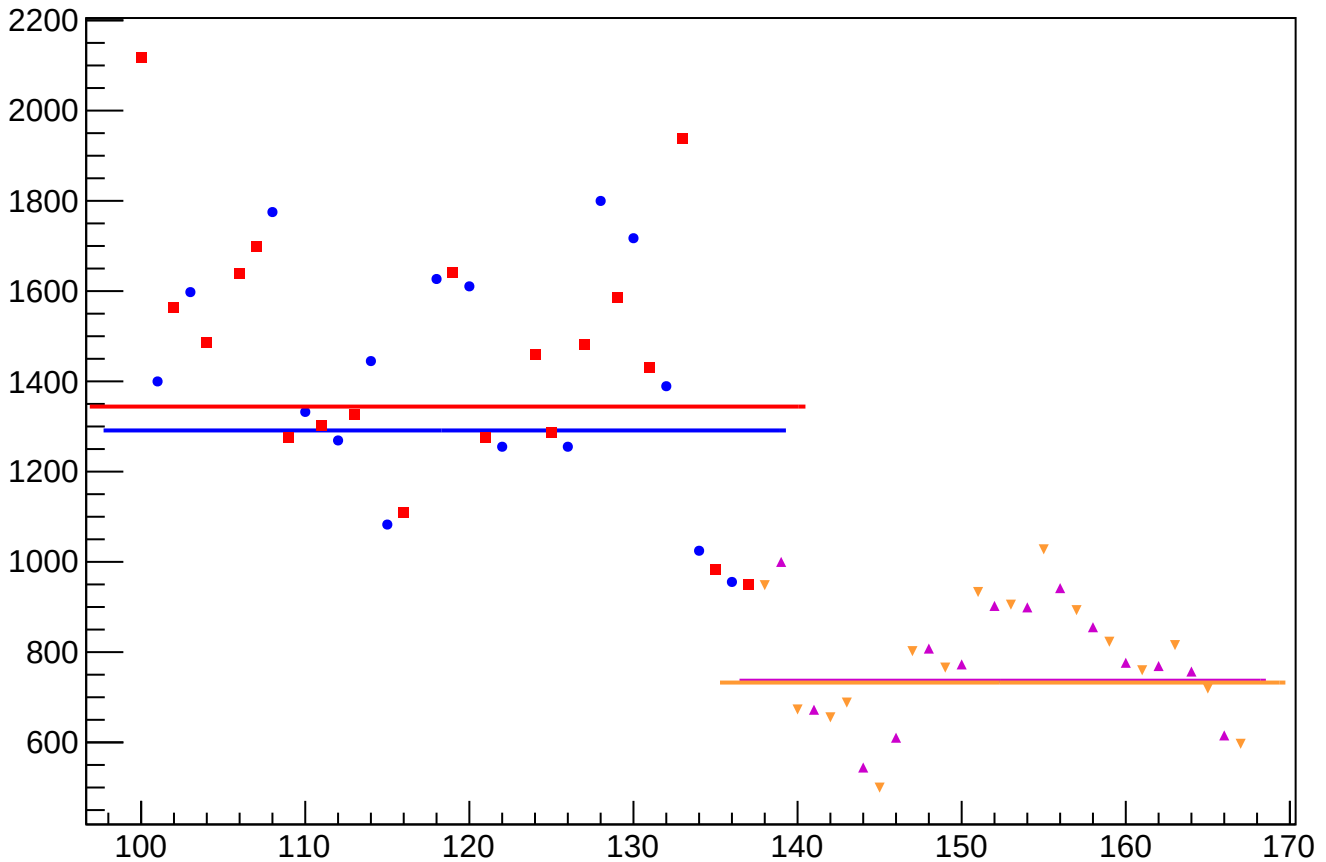
Left In: -116.987 $\pm$ 221.254 χ^2/NDF : 10.0/13

+ sign -1254.755 $\pm$ 193.643 χ^2/NDF : 53.1/31

All: -780.673 $\pm$ 139.927 χ^2/NDF : 90.1/64

- sign -262.639 $\pm$ 202.421 χ^2/NDF : 24.4/32

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF : 610897.3/15

Left Out: 732.580+/-0.149 χ^2/NDF : 927118.6/15

Right Out: 1344.118+/-0.355 χ^2/NDF : 490963.7/18

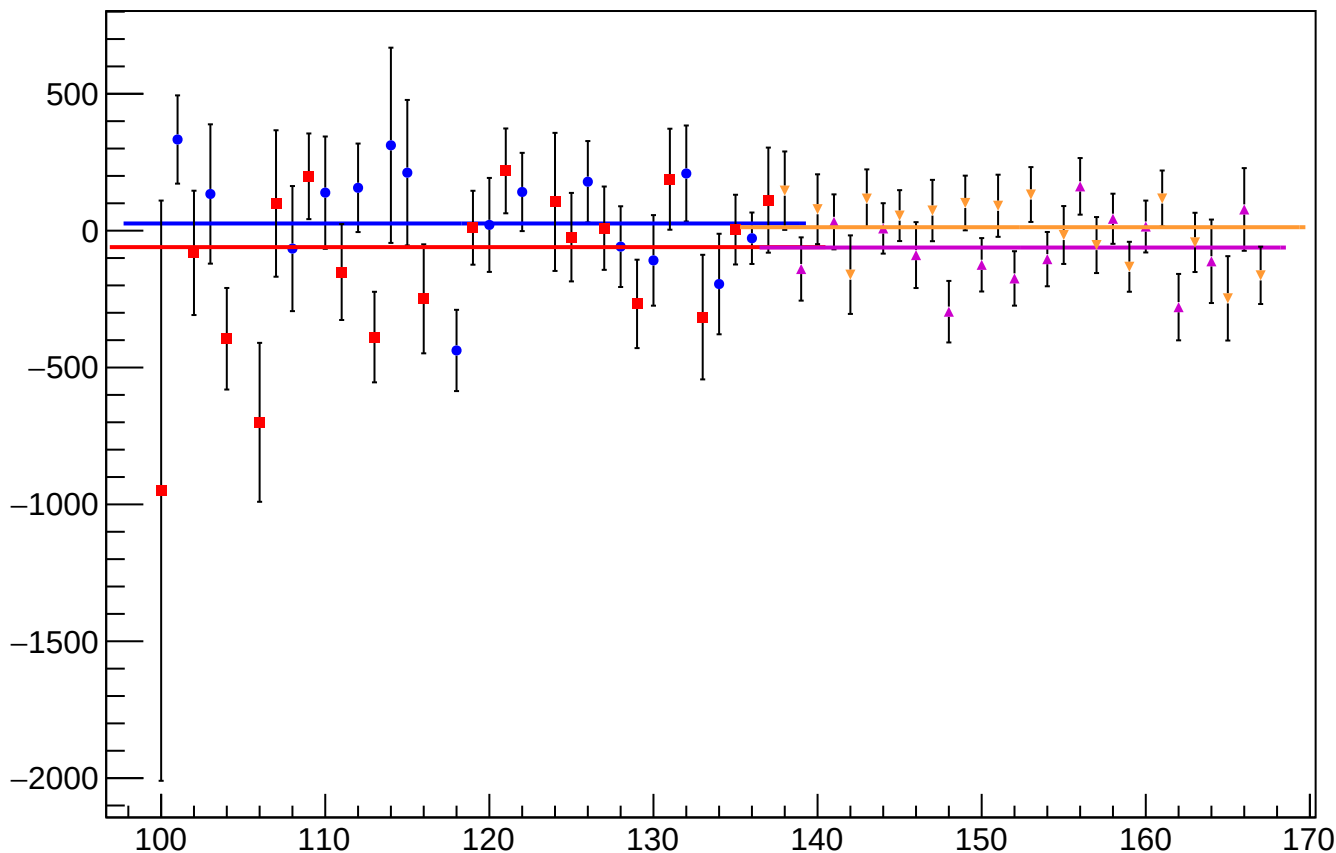
Left In: 736.670+/-0.156 χ^2/NDF : 722414.2/13

+ sign 818.679+/-0.137 χ^2/NDF : 3708050.9/31

All: 826.805+/-0.099 χ^2/NDF : 7386052.4/64

- sign 835.684+/-0.143 χ^2/NDF : 3670631.8/32

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252 $\pm$ 41.219 χ^2/NDF : 21.4/15

Left Out: 12.636 $\pm$ 27.330 χ^2/NDF : 16.7/15

Right Out: -60.117 $\pm$ 41.528 χ^2/NDF : 27.0/18

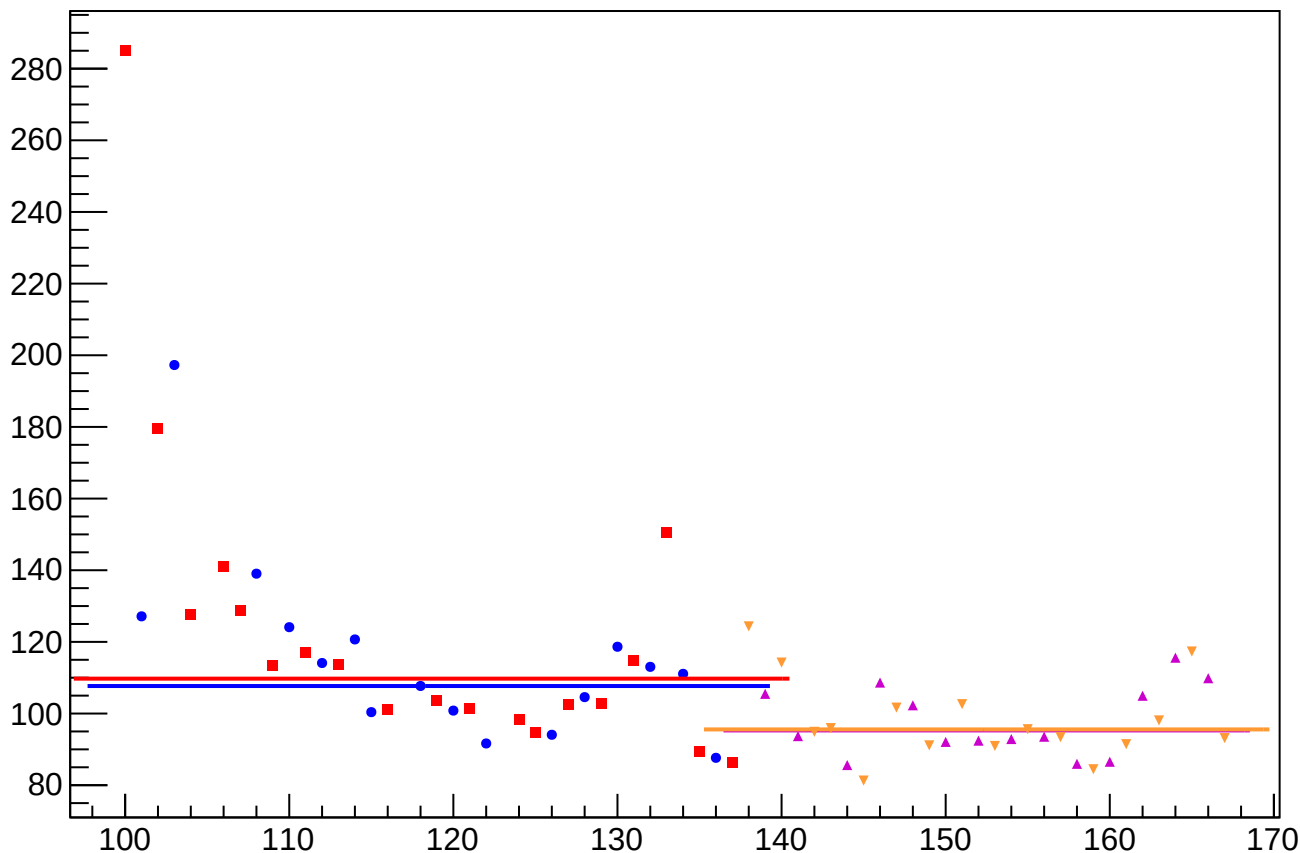
Left In: -61.642 $\pm$ 28.549 χ^2/NDF : 19.0/13

+ sign 16.794 $\pm$ 22.778 χ^2/NDF : 38.1/31

All: -20.922 $\pm$ 16.365 χ^2/NDF : 89.8/64

- sign -61.153 $\pm$ 23.526 χ^2/NDF : 46.0/32

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679 $\pm$ 0.029 χ^2 /NDF: 483112.2/15

Left Out: 95.567 $\pm$ 0.019 χ^2 /NDF: 268306.9/15

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491784.5/18

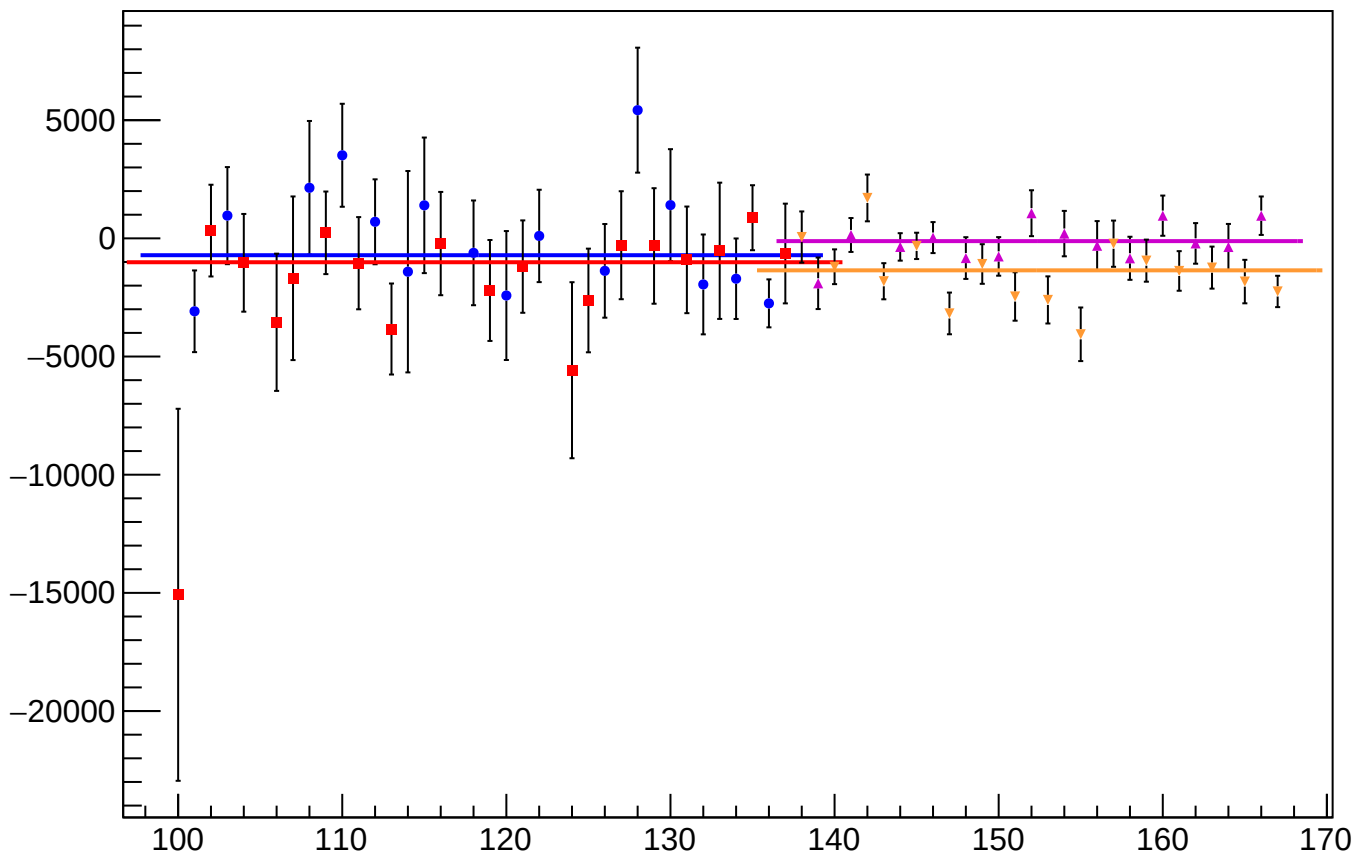
Left In: 95.287 $\pm$ 0.020 χ^2 /NDF: 180642.1/13

+ sign 99.266 $\pm$ 0.016 χ^2 /NDF: 871368.0/31

All: 99.585 $\pm$ 0.012 χ^2 /NDF: 1709091.2/64

- sign 99.925 $\pm$ 0.017 χ^2 /NDF: 836913.7/32

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -712.881 ± 493.252 χ^2/NDF : 20.1/15

Left Out: -1353.483 ± 210.546 χ^2/NDF : 31.6/15

Right Out: -1010.556 ± 501.373 χ^2/NDF : 11.8/18

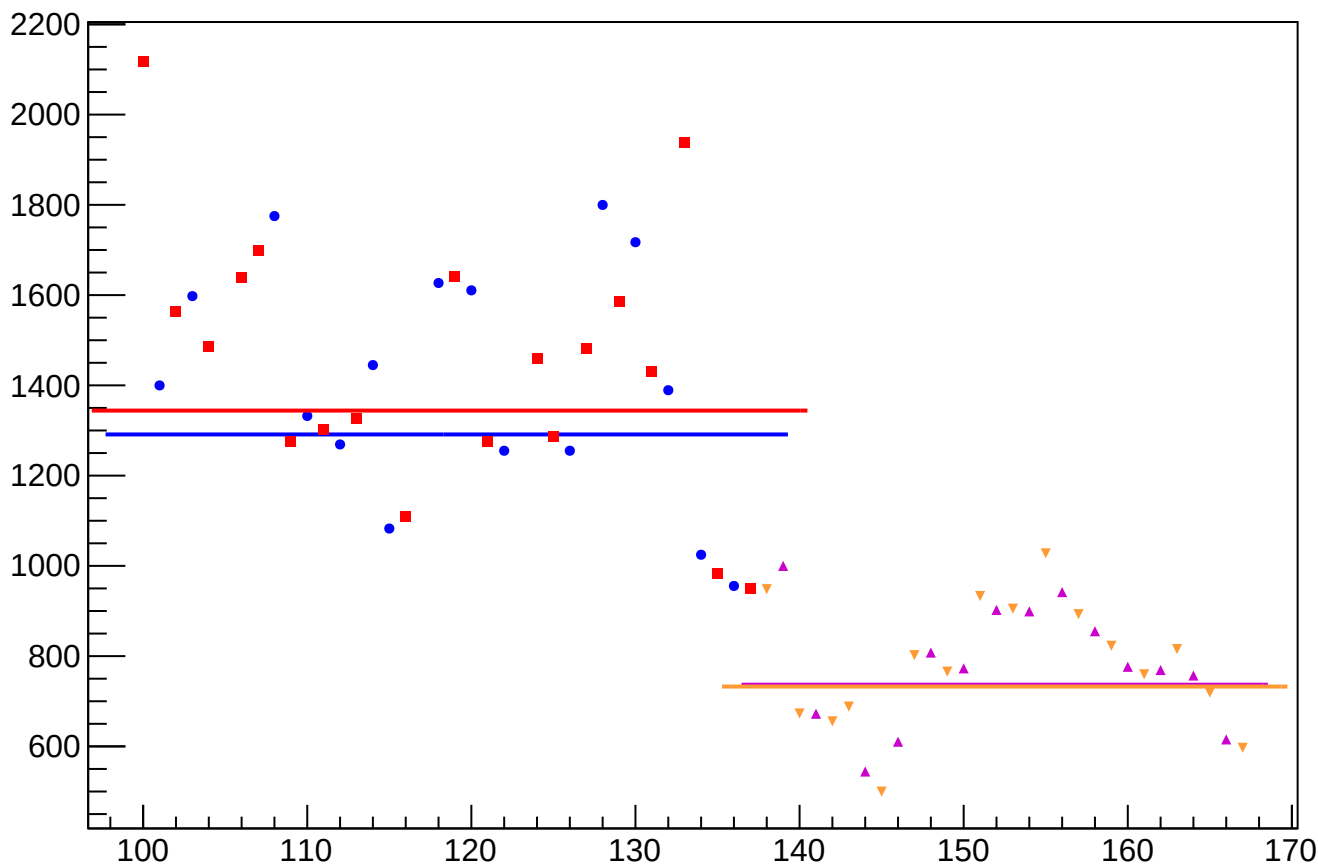
Left In: -116.986 ± 221.254 χ^2/NDF : 10.0/13

+ sign -1254.752 ± 193.643 χ^2/NDF : 53.1/31

All: -780.671 ± 139.926 χ^2/NDF : 90.1/64

- sign -262.638 ± 202.420 χ^2/NDF : 24.4/32

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220 $\pm$ 0.349 χ^2 /NDF: 610894.9/15

Left Out: 732.579 $\pm$ 0.149 χ^2 /NDF: 927127.4/15

Right Out: 1344.115 $\pm$ 0.355 χ^2 /NDF: 490963.4/18

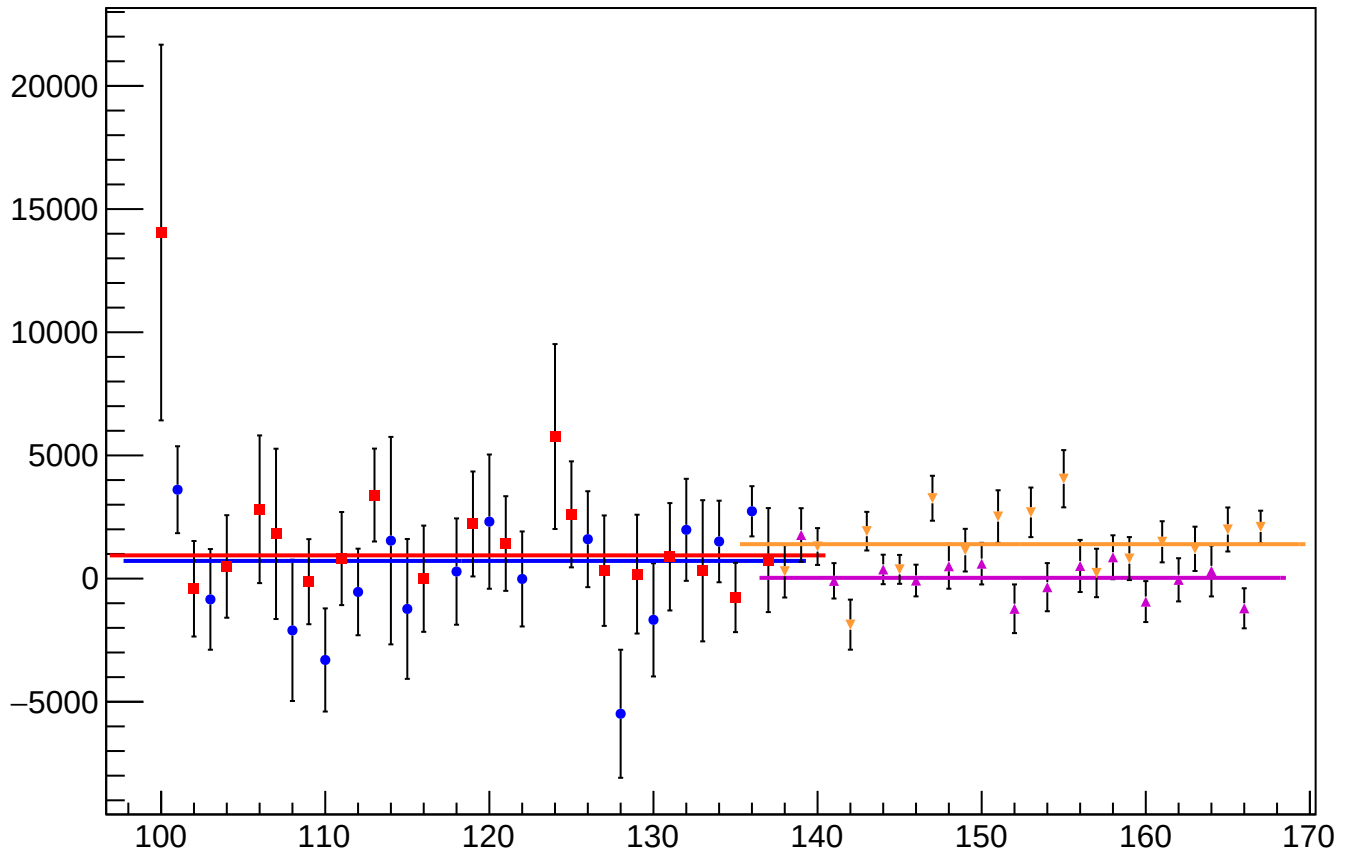
Left In: 736.669 $\pm$ 0.156 χ^2 /NDF: 722414.5/13

+ sign 818.678 $\pm$ 0.137 χ^2 /NDF: 3708056.3/31

All: 826.804 $\pm$ 0.099 χ^2 /NDF: 7386052.5/64

- sign 835.683 $\pm$ 0.143 χ^2 /NDF: 3670626.2/32

asym_sam_2468_avg_mean vs Slug



Right In: 717.617 ± 488.239 χ^2/NDF : 21.0/15

Left Out: 1397.448 ± 213.765 χ^2/NDF : 30.6/15

Right Out: 942.308 ± 498.052 χ^2/NDF : 10.6/18

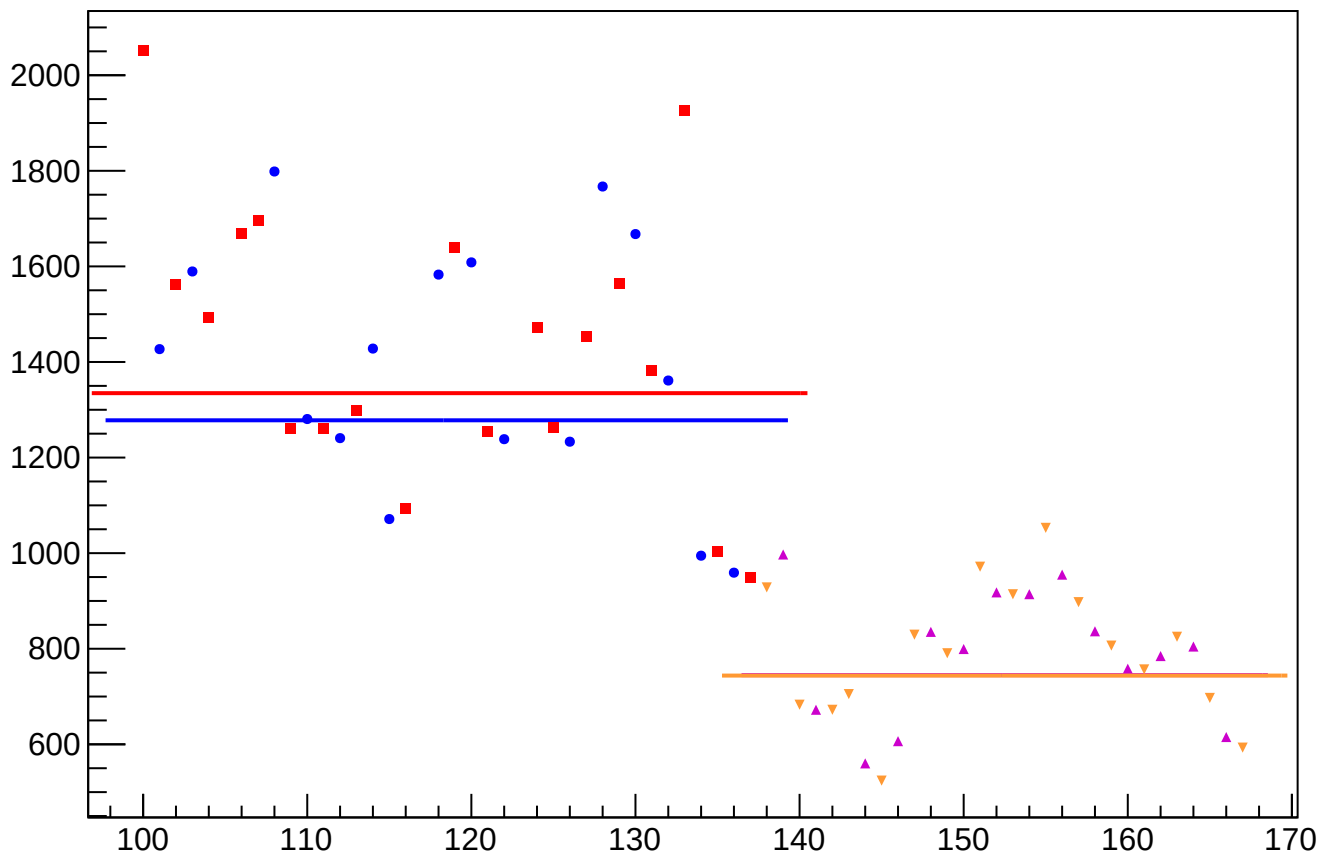
Left In: 30.221 ± 223.568 χ^2/NDF : 10.3/13

+ sign 1288.092 ± 195.819 χ^2/NDF : 53.2/31

All: 758.133 ± 141.256 χ^2/NDF : 92.2/64

- sign 183.183 ± 203.962 χ^2/NDF : 23.7/32

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF : 597666.8/15

Left Out: 743.843+/-0.151 χ^2/NDF : 867986.1/15

Right Out: 1334.775+/-0.352 χ^2/NDF : 471897.2/18

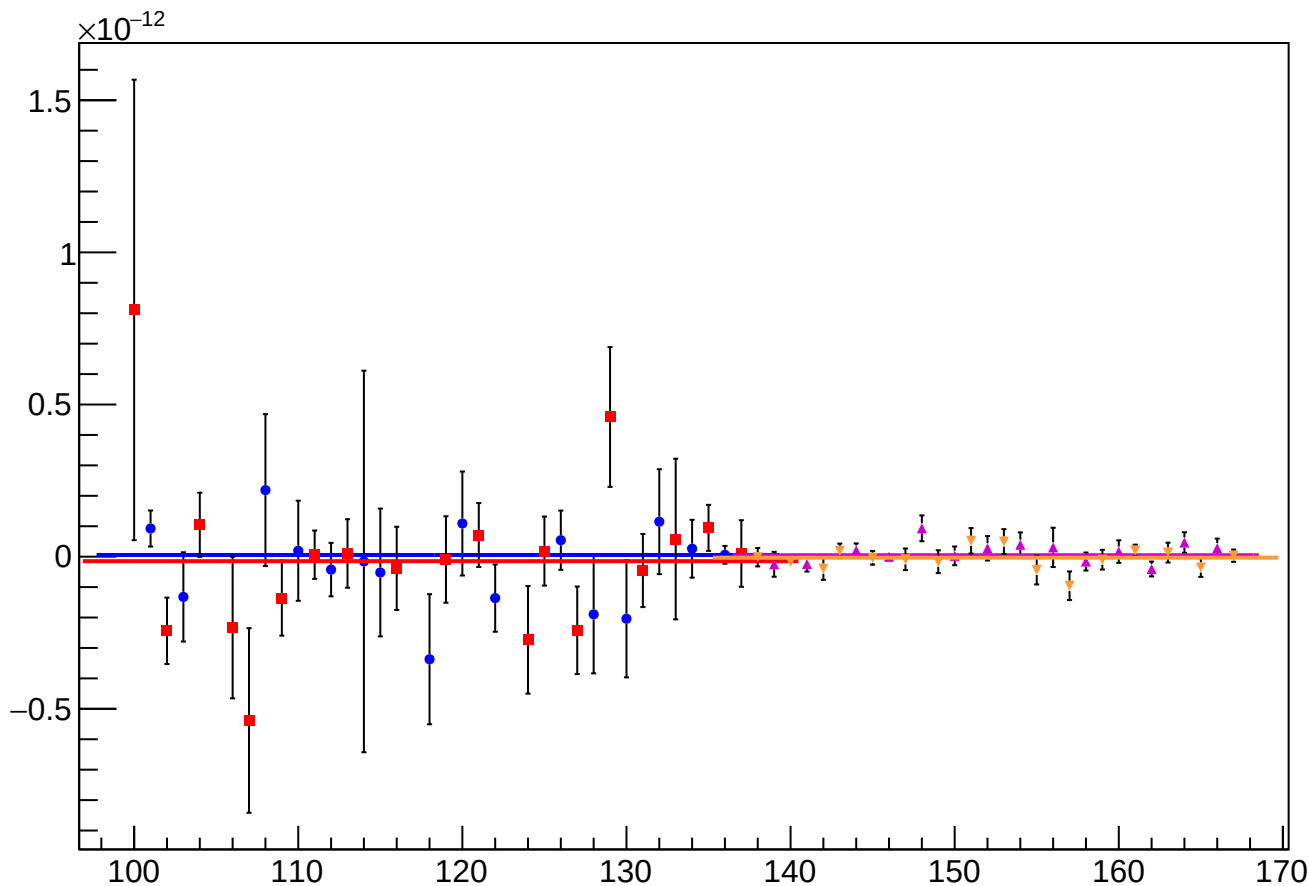
Left In: 744.774+/-0.158 χ^2/NDF : 722455.6/13

+ sign 829.764+/-0.138 χ^2/NDF : 3474299.7/31

All: 836.458+/-0.100 χ^2/NDF : 7009479.2/64

- sign 843.720+/-0.144 χ^2/NDF : 3530306.5/32

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:13.9/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/18

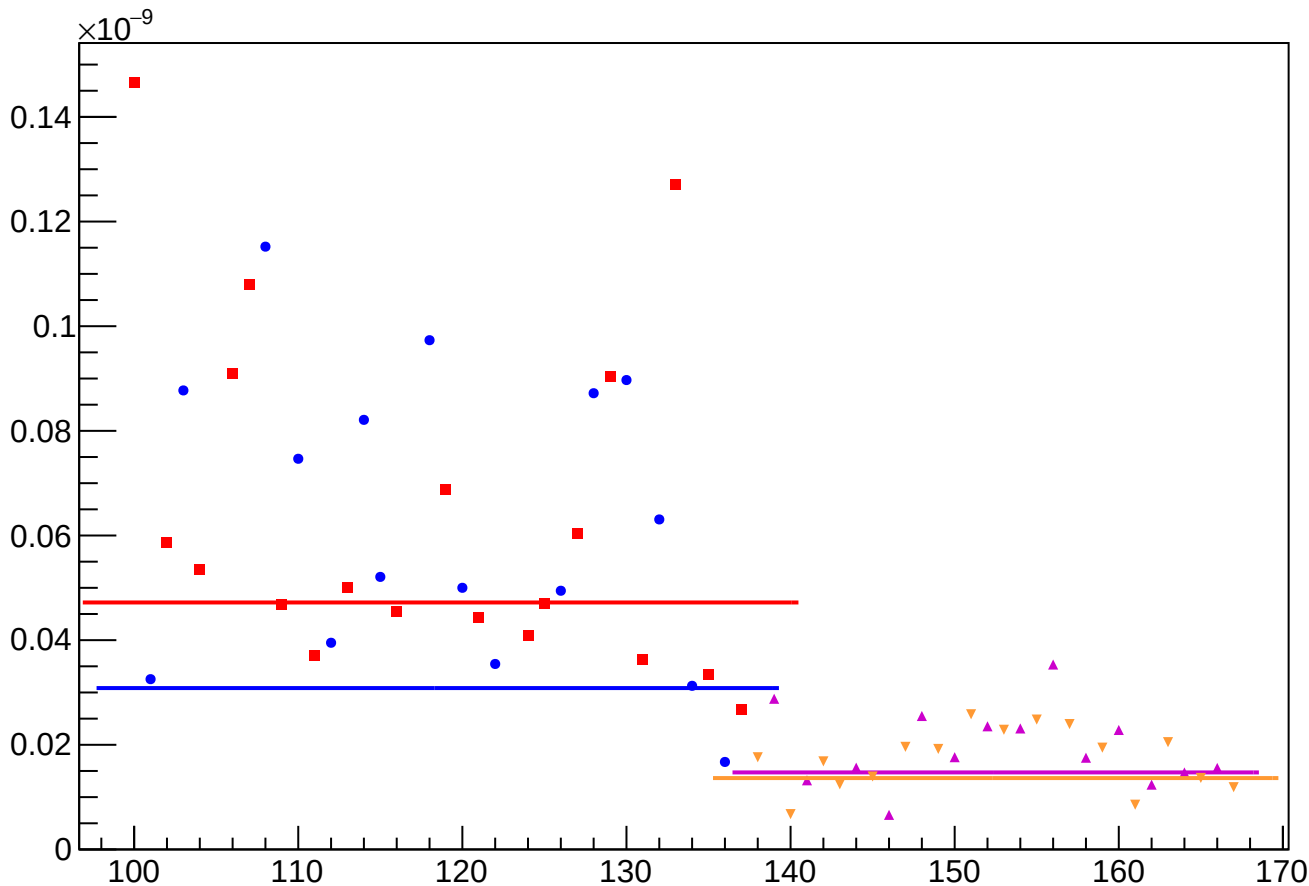
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.1/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 64.3/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/32

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1912879.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1353949.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 722091.3/18

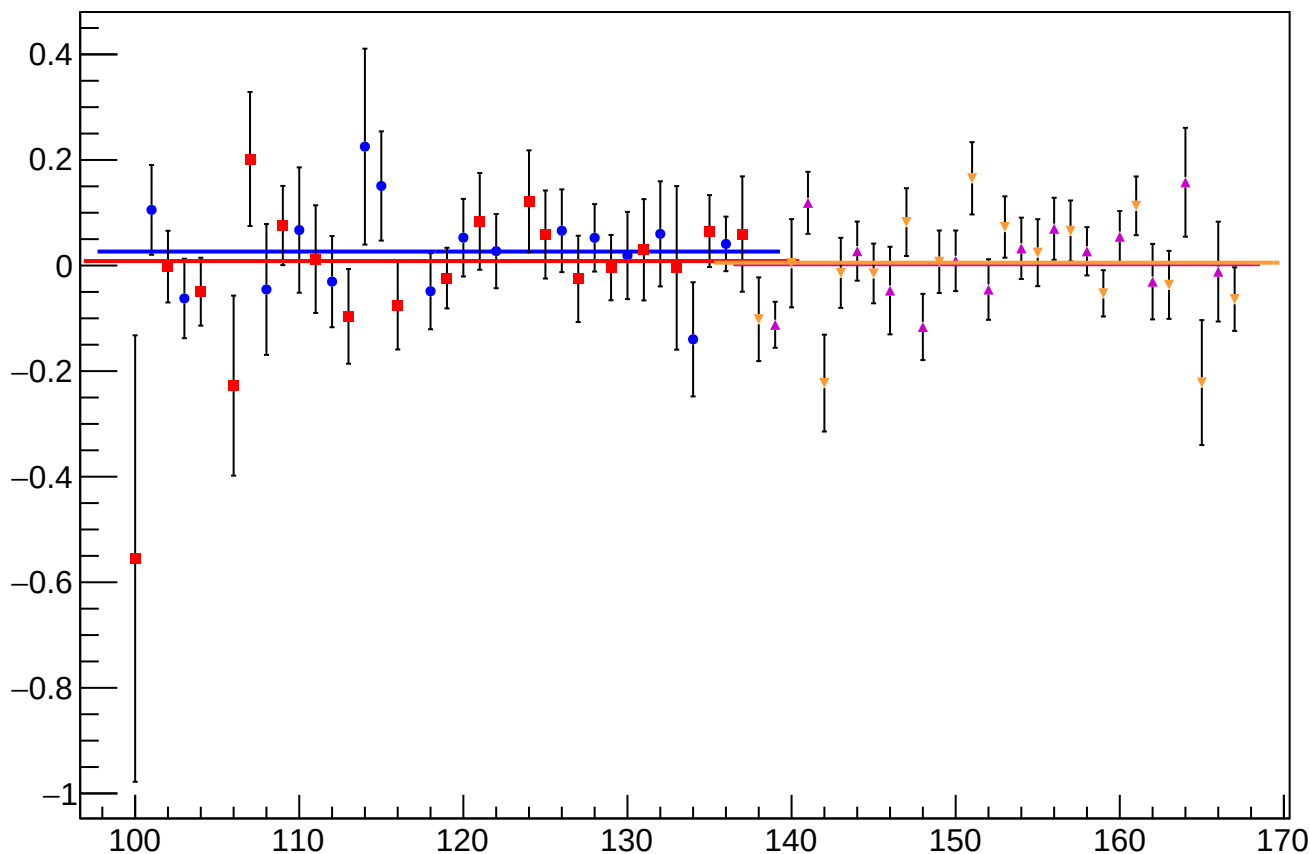
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1536883.8/13

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4423355.5/31

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9145635.5/64

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4664777.6/32

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: 0.005 $\pm$ 0.016 χ^2 /NDF:28.6/15

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

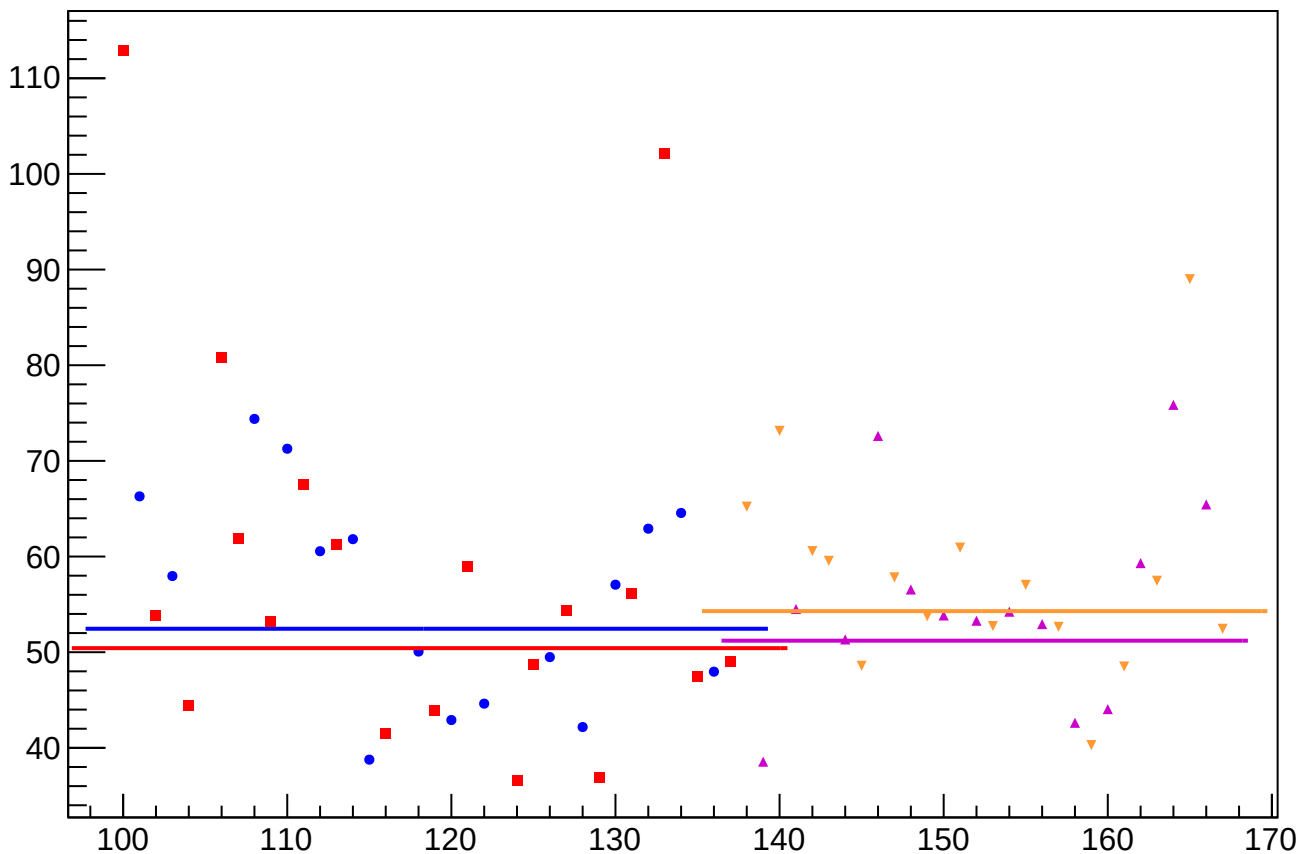
Left In: 0.002 $\pm$ 0.016 χ^2 /NDF:21.2/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 39.2/31

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 74.6/64

- sign 0.005 $\pm$ 0.012 χ^2 /NDF: 35.2/32

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: 54.293 $\pm$ 0.011 χ^2 /NDF: 618532.9/15

Right Out: 50.423 $\pm$ 0.014 χ^2 /NDF: 676747.2/18

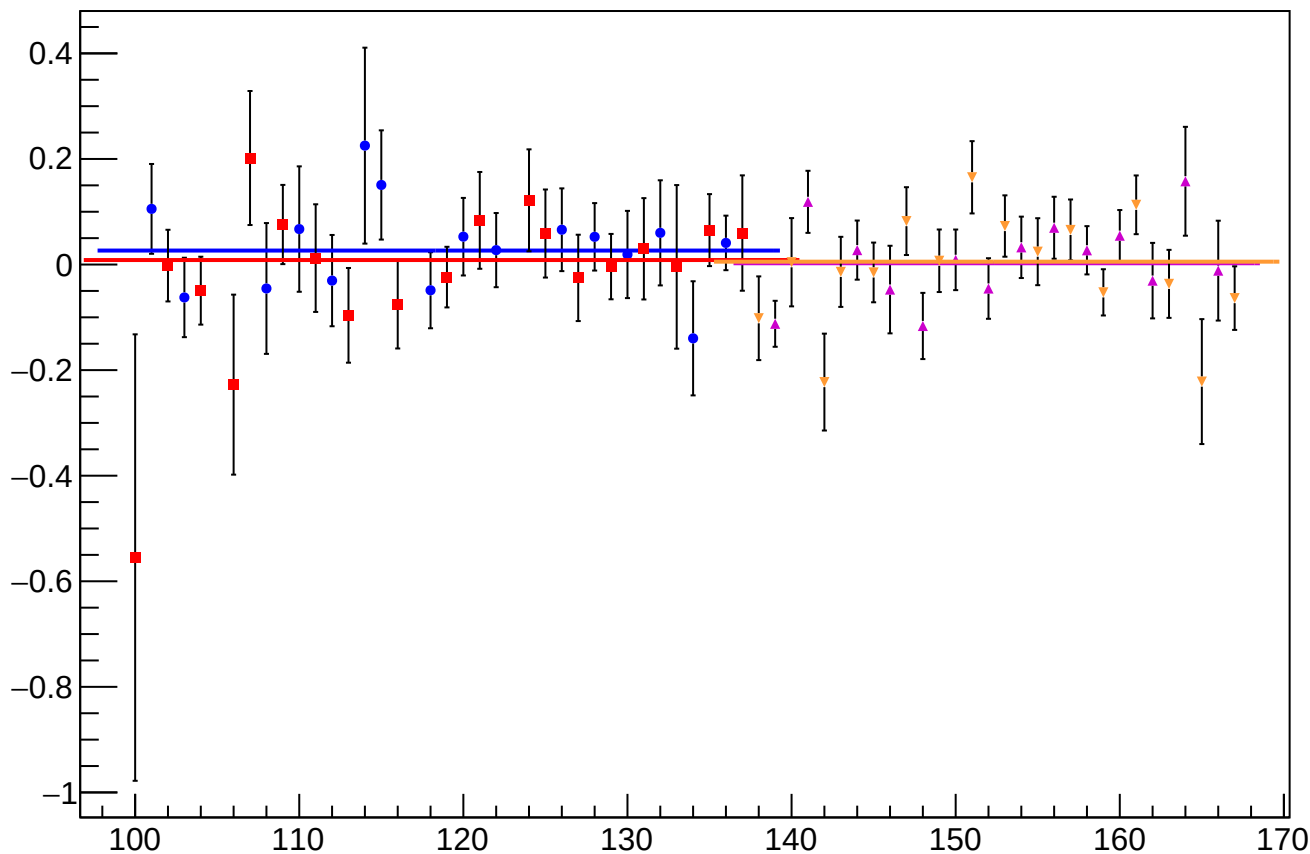
Left In: 51.204 $\pm$ 0.011 χ^2 /NDF: 636042.7/13

+ sign 53.599 $\pm$ 0.009 χ^2 /NDF: 1046717.6/31

All: 52.218 $\pm$ 0.006 χ^2 /NDF: 2409134.0/64

- sign 50.895 $\pm$ 0.009 χ^2 /NDF: 1314736.3/32

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: 0.005 $\pm$ 0.016 χ^2 /NDF:28.6/15

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

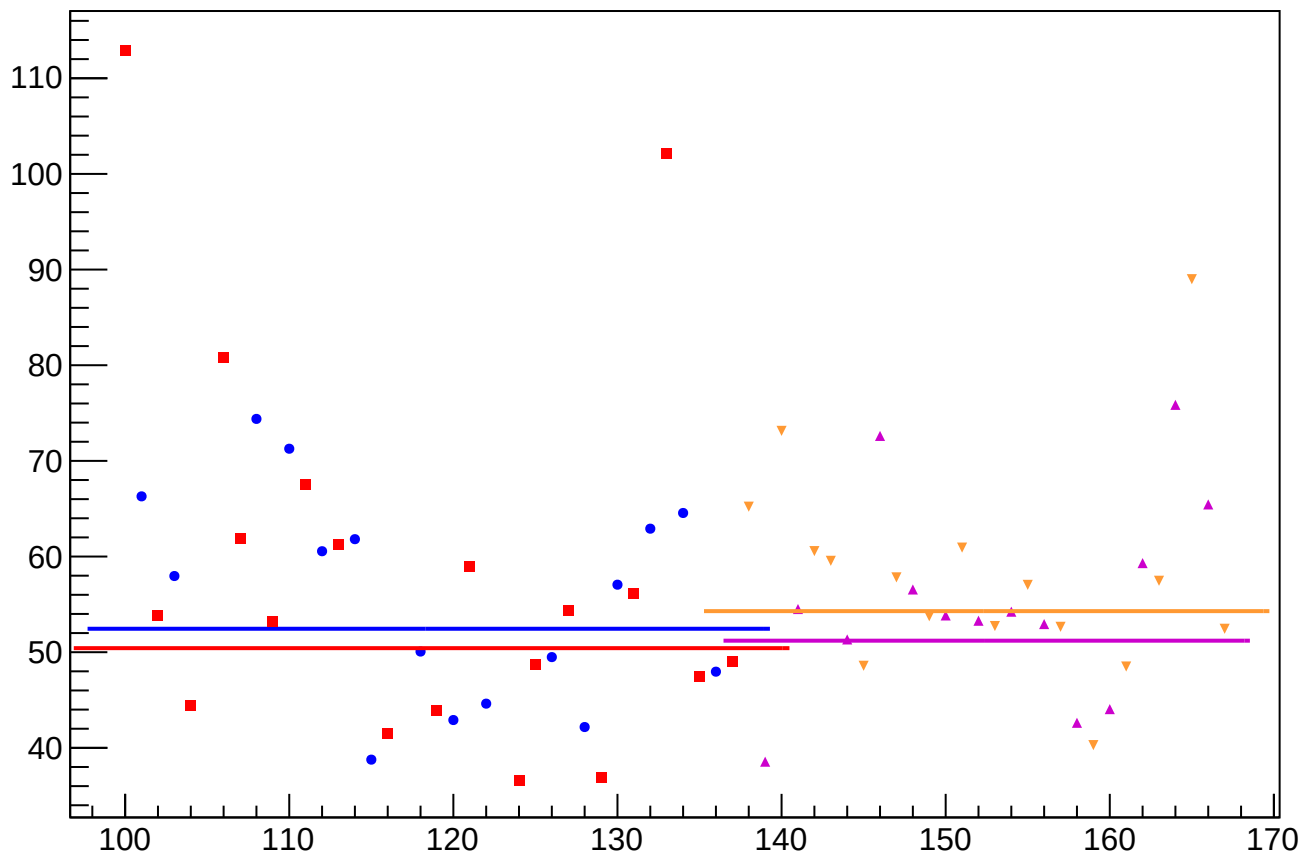
Left In: 0.002 $\pm$ 0.016 χ^2 /NDF:21.2/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 39.2/31

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 74.6/64

- sign 0.005 $\pm$ 0.012 χ^2 /NDF: 35.2/32

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2 /NDF: 418014.5/15

Left Out: 54.293+/-0.011 χ^2 /NDF: 618532.9/15

Right Out: 50.423+/-0.014 χ^2 /NDF: 676747.2/18

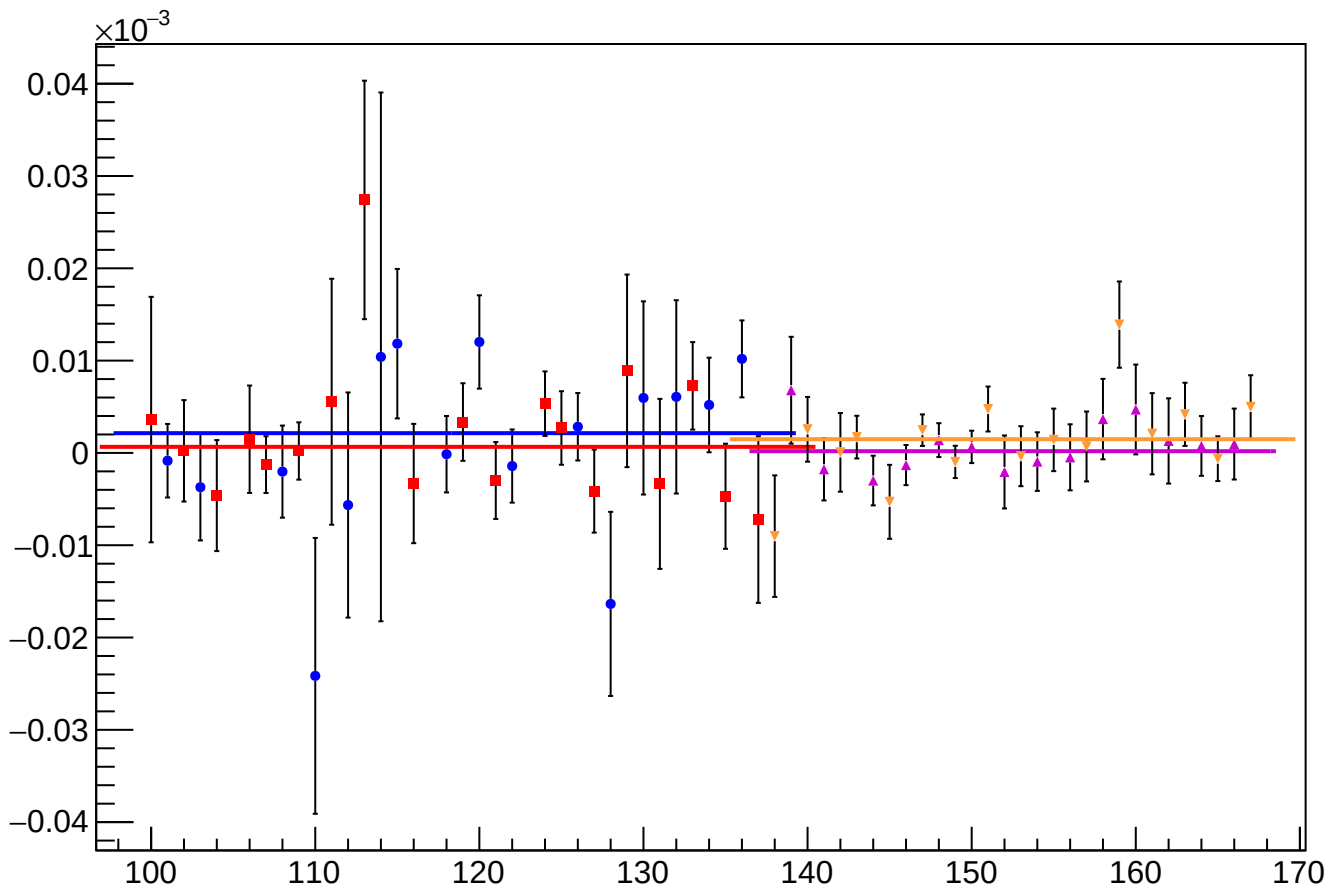
Left In: 51.204+/-0.011 χ^2 /NDF: 636042.7/13

+ sign 53.599+/-0.009 χ^2 /NDF: 1046717.6/31

All: 52.218+/-0.006 χ^2 /NDF: 2409134.0/64

- sign 50.895+/-0.009 χ^2 /NDF: 1314736.3/32

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:19.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

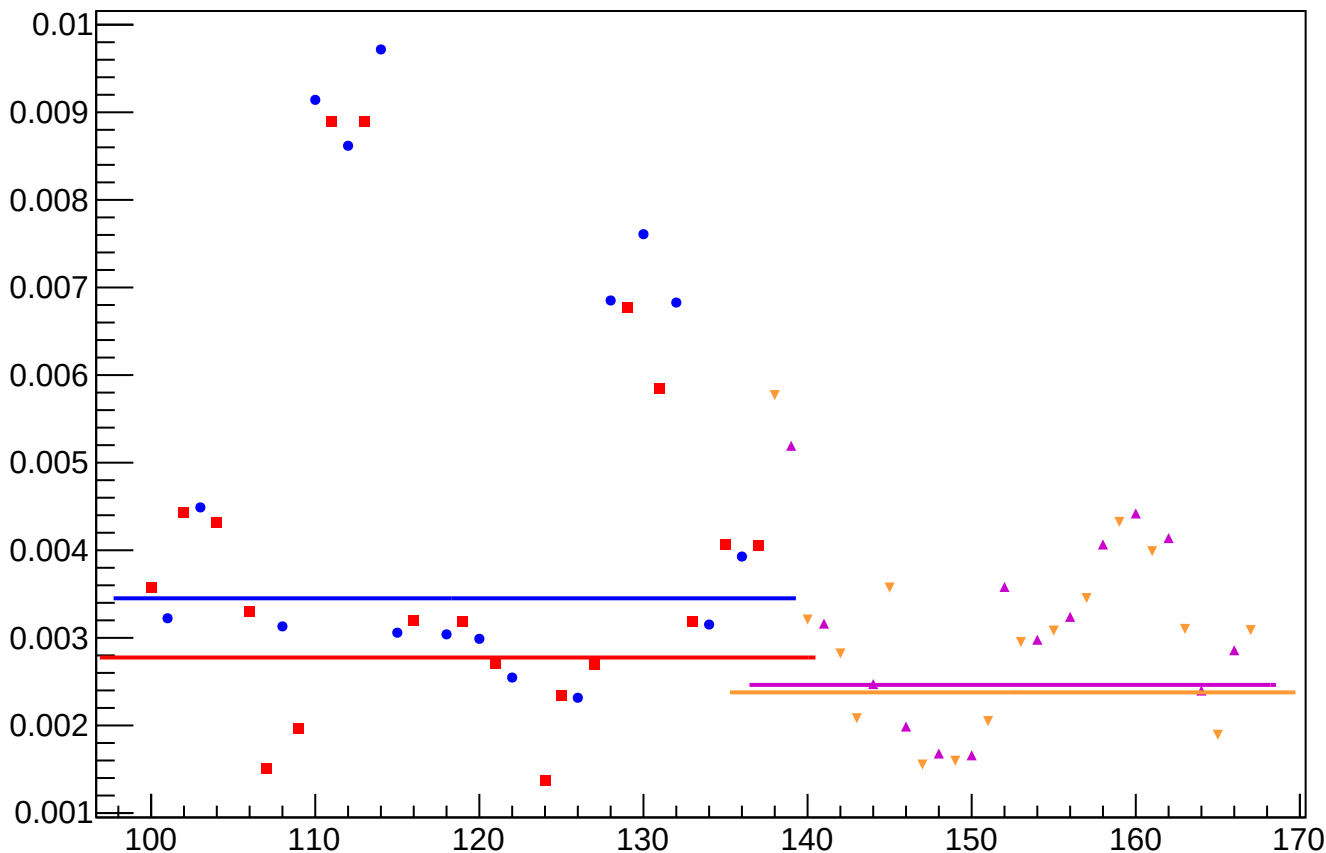
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:6.1/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.8/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 62.9/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/32

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: 0.002+/-0.000 χ^2/NDF : 2957350.5/15

Right Out: 0.003+/-0.000 χ^2/NDF : 2734939.6/18

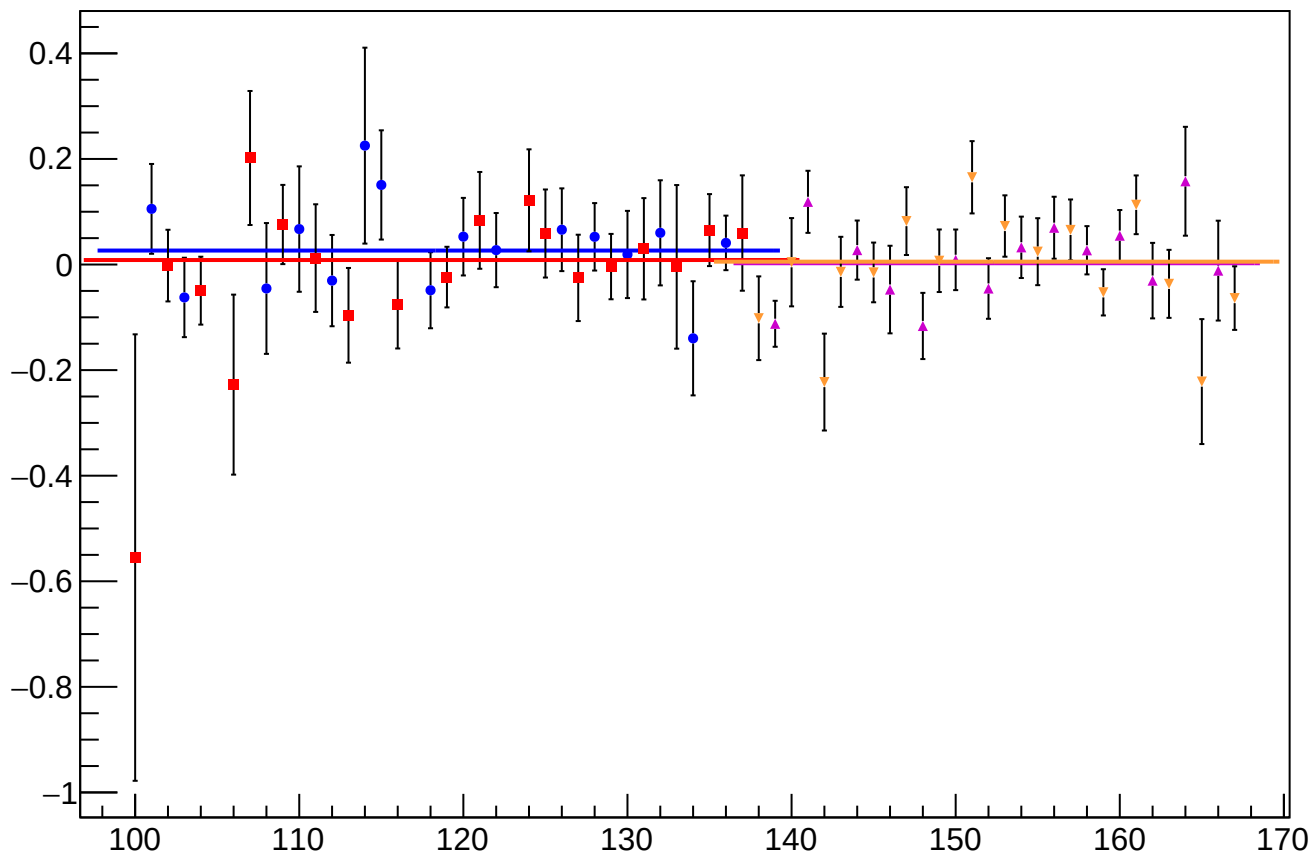
Left In: 0.002+/-0.000 χ^2/NDF : 2597901.5/13

+ sign 0.003+/-0.000 χ^2/NDF : 5855545.9/31

All: 0.003+/-0.000 χ^2/NDF : 11294131.0/64

- sign 0.003+/-0.000 χ^2/NDF : 5434117.8/32

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: 0.005 $\pm$ 0.016 χ^2 /NDF:28.6/15

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

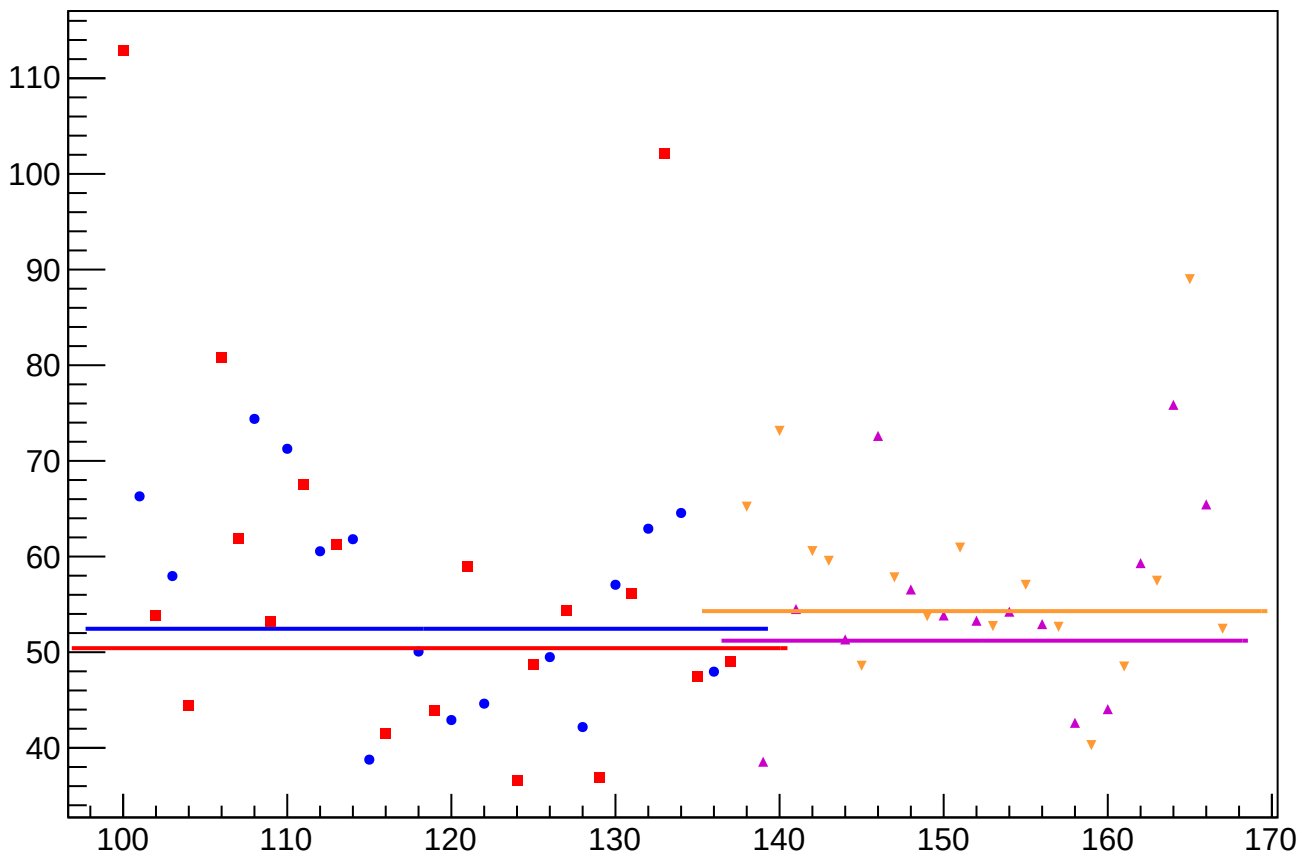
Left In: 0.002 $\pm$ 0.016 χ^2 /NDF:21.2/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 39.2/31

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 74.6/64

- sign 0.005 $\pm$ 0.012 χ^2 /NDF: 35.2/32

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: 54.294 $\pm$ 0.011 χ^2 /NDF: 618549.2/15

Right Out: 50.422 $\pm$ 0.014 χ^2 /NDF: 676753.5/18

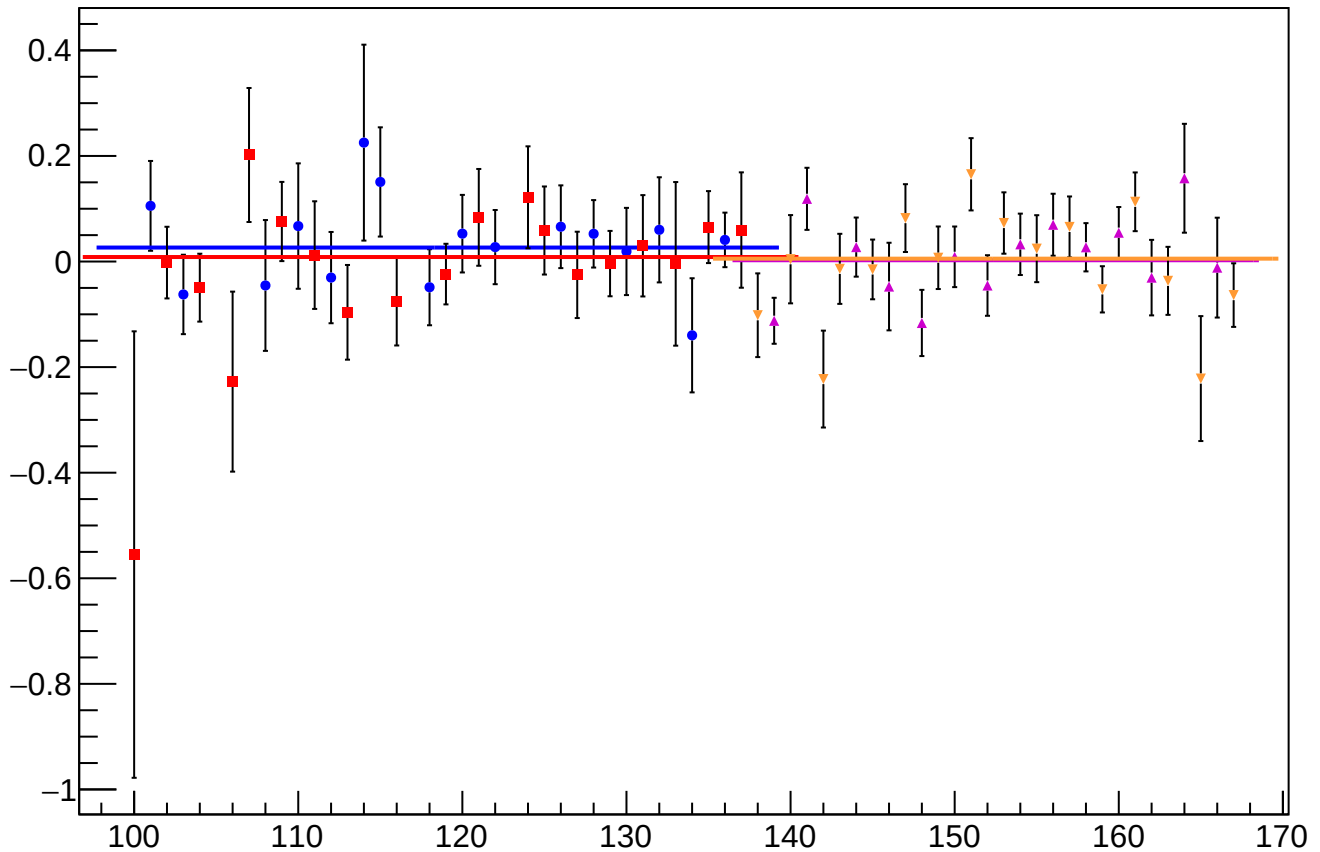
Left In: 51.204 $\pm$ 0.011 χ^2 /NDF: 636132.6/13

+ sign 53.599 $\pm$ 0.009 χ^2 /NDF: 1046703.8/31

All: 52.218 $\pm$ 0.006 χ^2 /NDF: 2409228.1/64

- sign 50.895 $\pm$ 0.009 χ^2 /NDF: 1314838.7/32

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: 0.005 $\pm$ 0.016 χ^2 /NDF:28.6/15

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

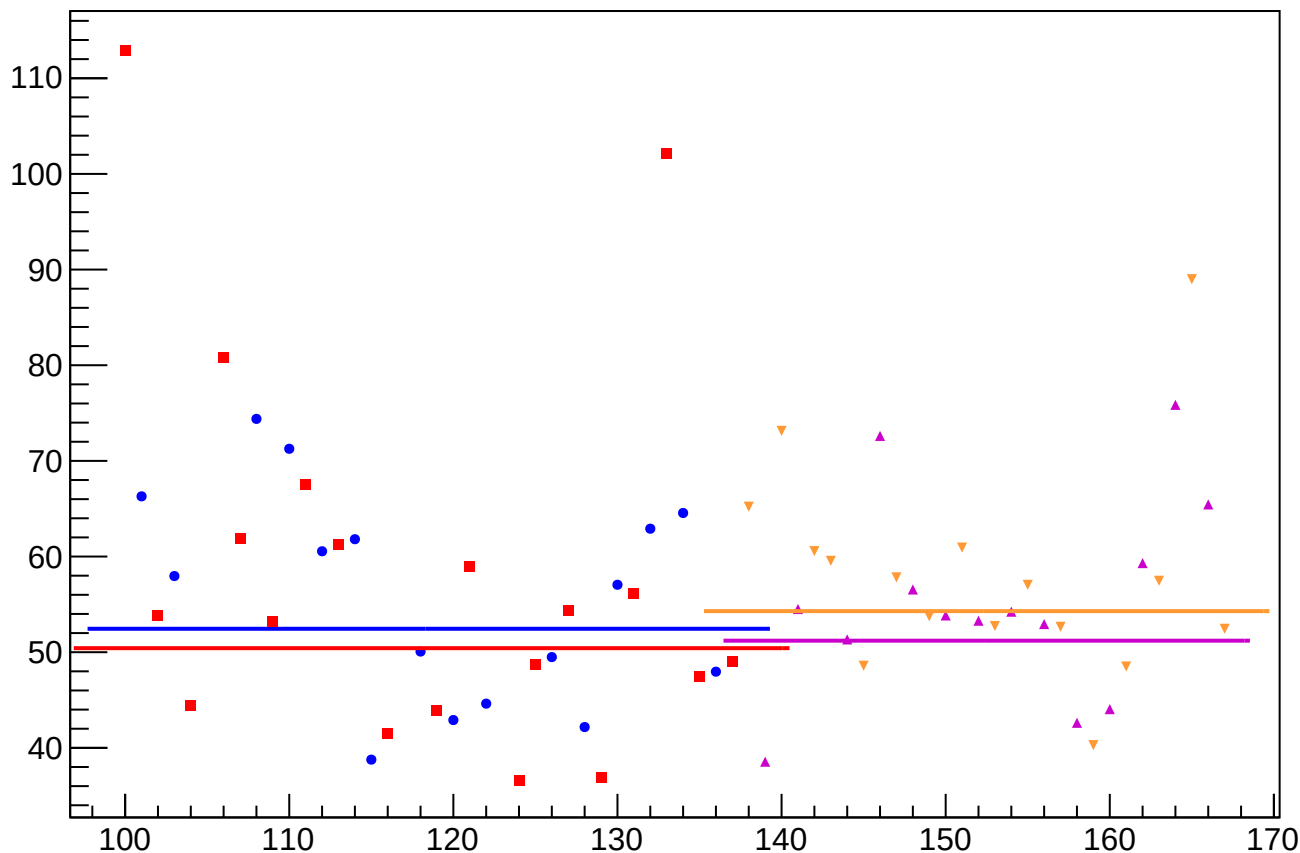
Left In: 0.002 $\pm$ 0.016 χ^2 /NDF:21.2/13

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 39.2/31

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 74.6/64

- sign 0.005 $\pm$ 0.012 χ^2 /NDF: 35.2/32

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: 54.294 $\pm$ 0.011 χ^2/NDF : 618549.2/15

Right Out: 50.422 $\pm$ 0.014 χ^2/NDF : 676753.5/18

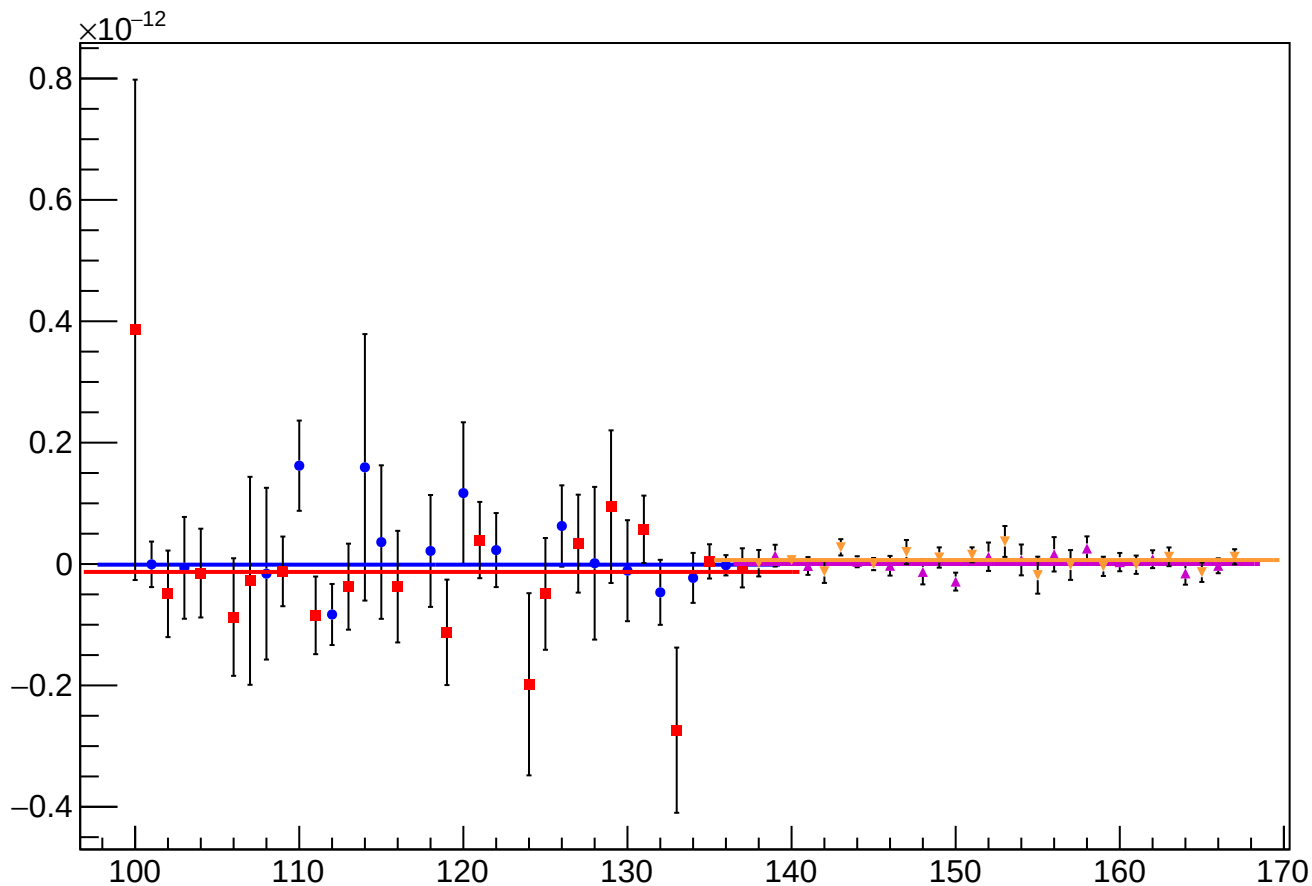
Left In: 51.204 $\pm$ 0.011 χ^2/NDF : 636132.6/13

+ sign 53.599 $\pm$ 0.009 χ^2/NDF : 1046703.8/31

All: 52.218 $\pm$ 0.006 χ^2/NDF : 2409228.1/64

- sign 50.895 $\pm$ 0.009 χ^2/NDF : 1314838.7/32

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2 /NDF: 9.7/15

Right Out: -0.000+/-0.000 χ^2 /NDF: 13.7/18

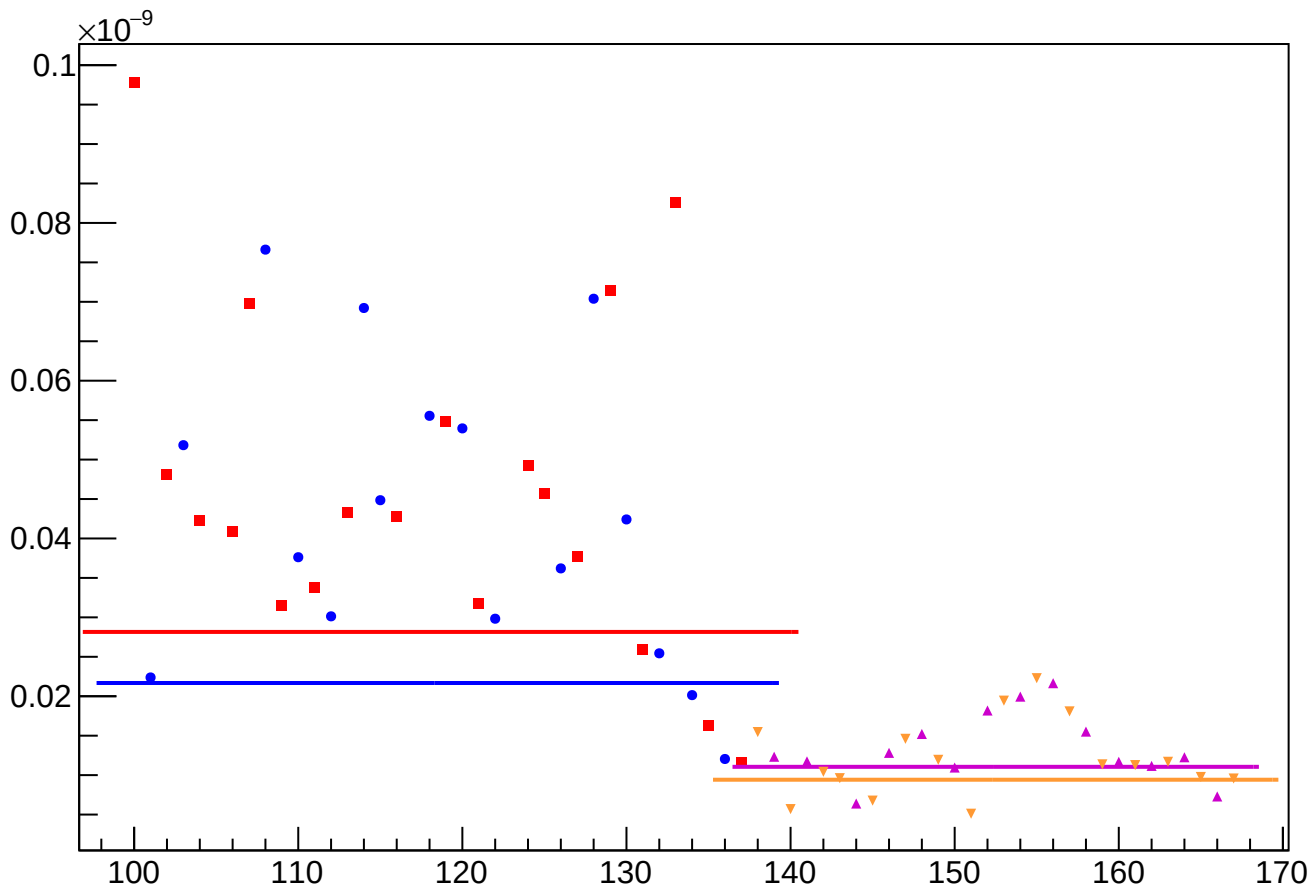
Left In: 0.000+/-0.000 χ^2 /NDF: 8.5/13

+ sign 0.000+/-0.000 χ^2 /NDF: 21.3/31

All: 0.000+/-0.000 χ^2 /NDF: 45.9/64

- sign -0.000+/-0.000 χ^2 /NDF: 22.9/32

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2522749.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2160256.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2381736.6/18

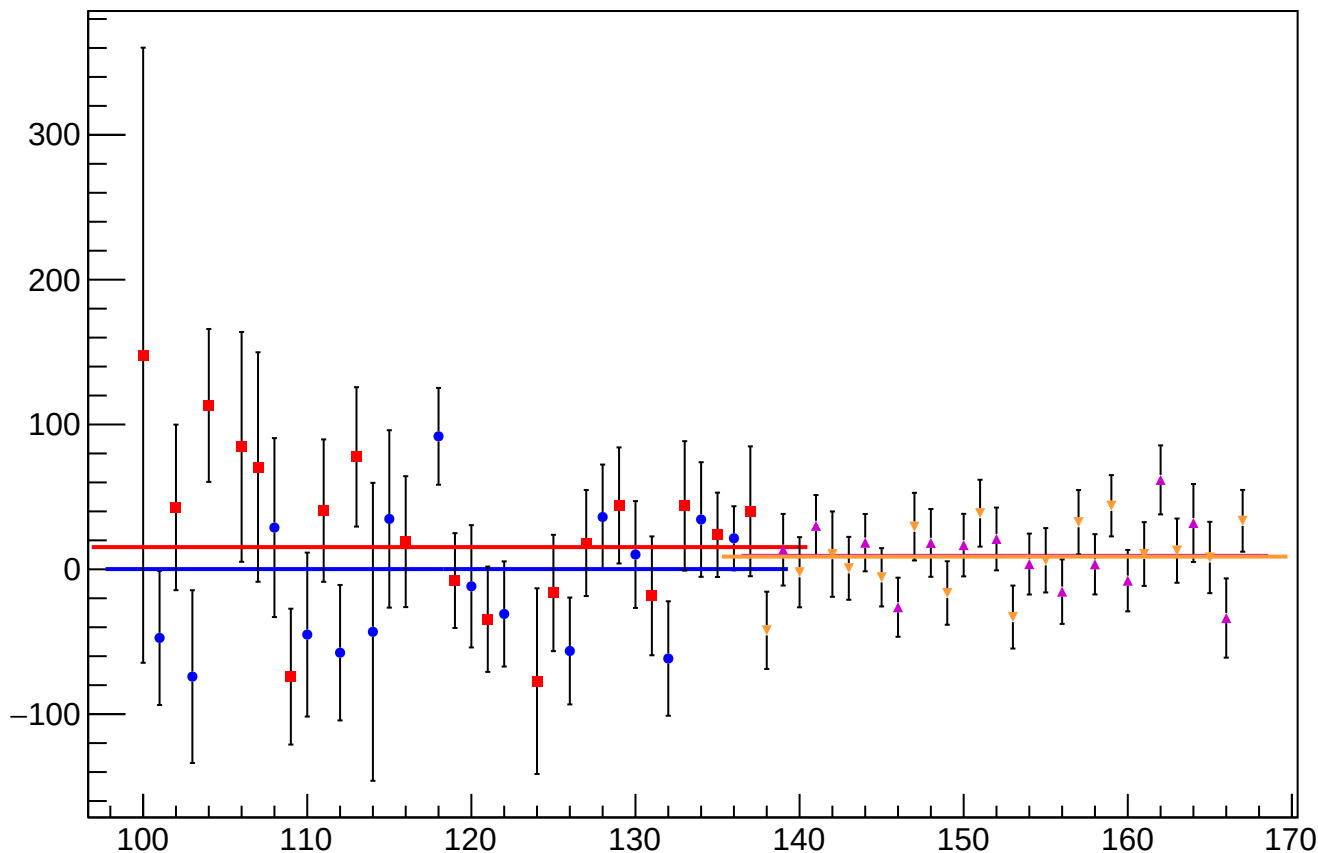
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1657368.3/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6600078.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13463980.4/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6603937.3/32

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155 ± 10.048 $\chi^2/\text{NDF}: 21.3/15$

Left Out: 8.767 ± 5.682 $\chi^2/\text{NDF}: 17.3/15$

Right Out: 15.333 ± 10.267 $\chi^2/\text{NDF}: 17.9/18$

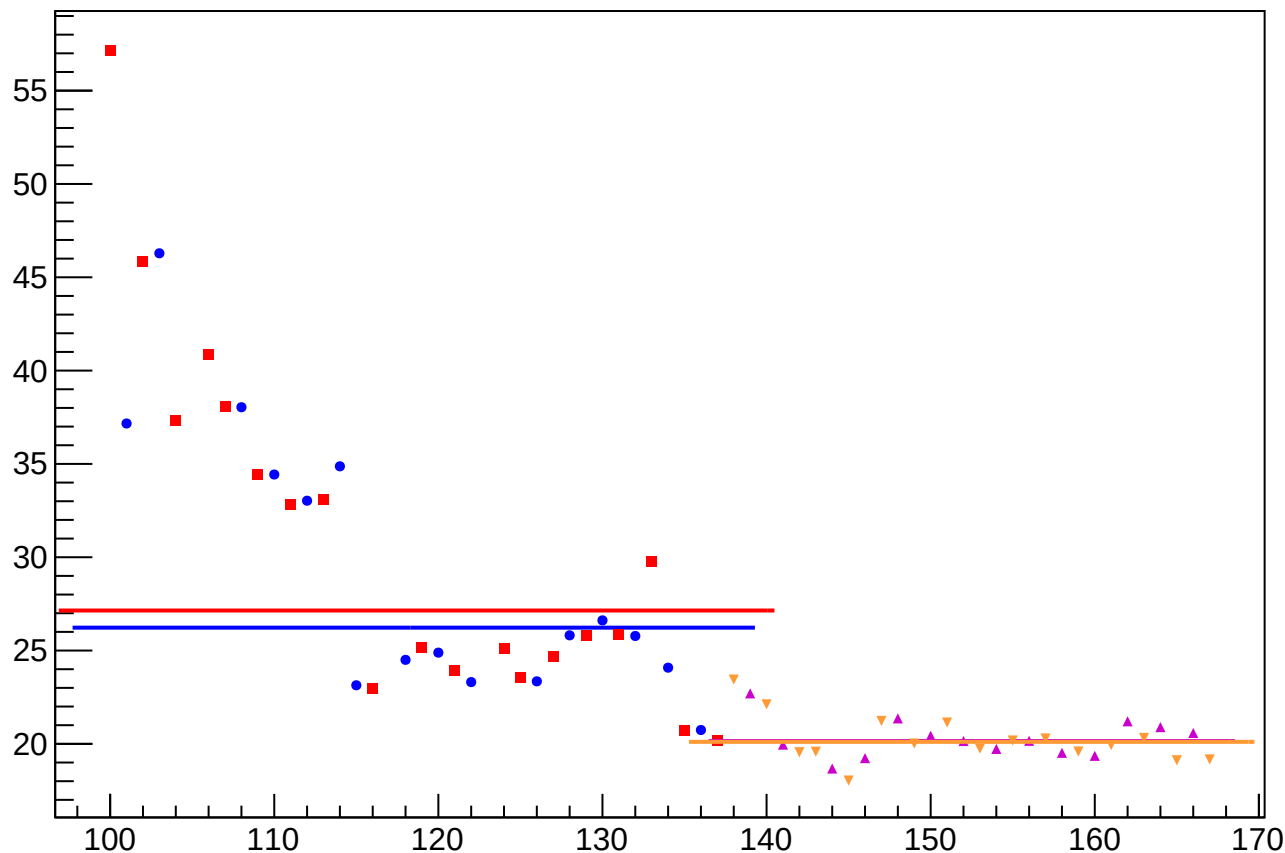
Left In: 9.301 ± 5.955 $\chi^2/\text{NDF}: 14.8/13$

+ sign 6.681 ± 4.946 $\chi^2/\text{NDF}: 39.1/31$

All: 8.666 ± 3.568 $\chi^2/\text{NDF}: 72.5/64$

- sign 10.819 ± 5.151 $\chi^2/\text{NDF}: 33.0/32$

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 ± 0.007 χ^2/NDF : 676026.2/15

Left Out: 20.109 ± 0.004 χ^2/NDF : 86141.5/15

Right Out: 27.145 ± 0.007 χ^2/NDF : 755419.8/18

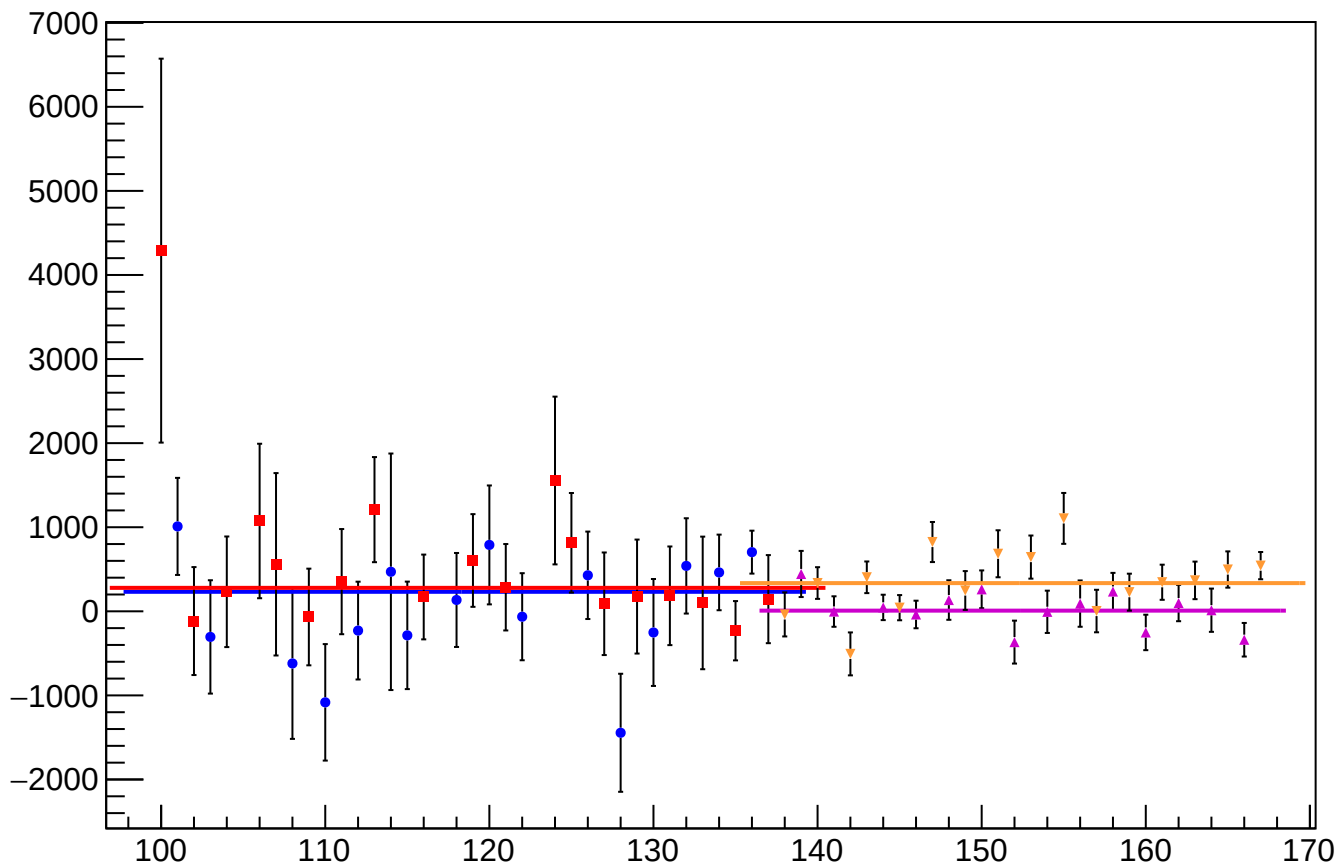
Left In: 20.150 ± 0.004 χ^2/NDF : 53760.5/13

+ sign 21.591 ± 0.003 χ^2/NDF : 1324061.7/31

All: 21.744 ± 0.003 χ^2/NDF : 2832057.0/64

- sign 21.911 ± 0.004 χ^2/NDF : 1503987.1/32

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092 ± 134.871 χ^2/NDF : 19.6/15

Left Out: 335.455 ± 53.832 χ^2/NDF : 34.9/15

Right Out: 279.042 ± 139.965 χ^2/NDF : 12.1/18

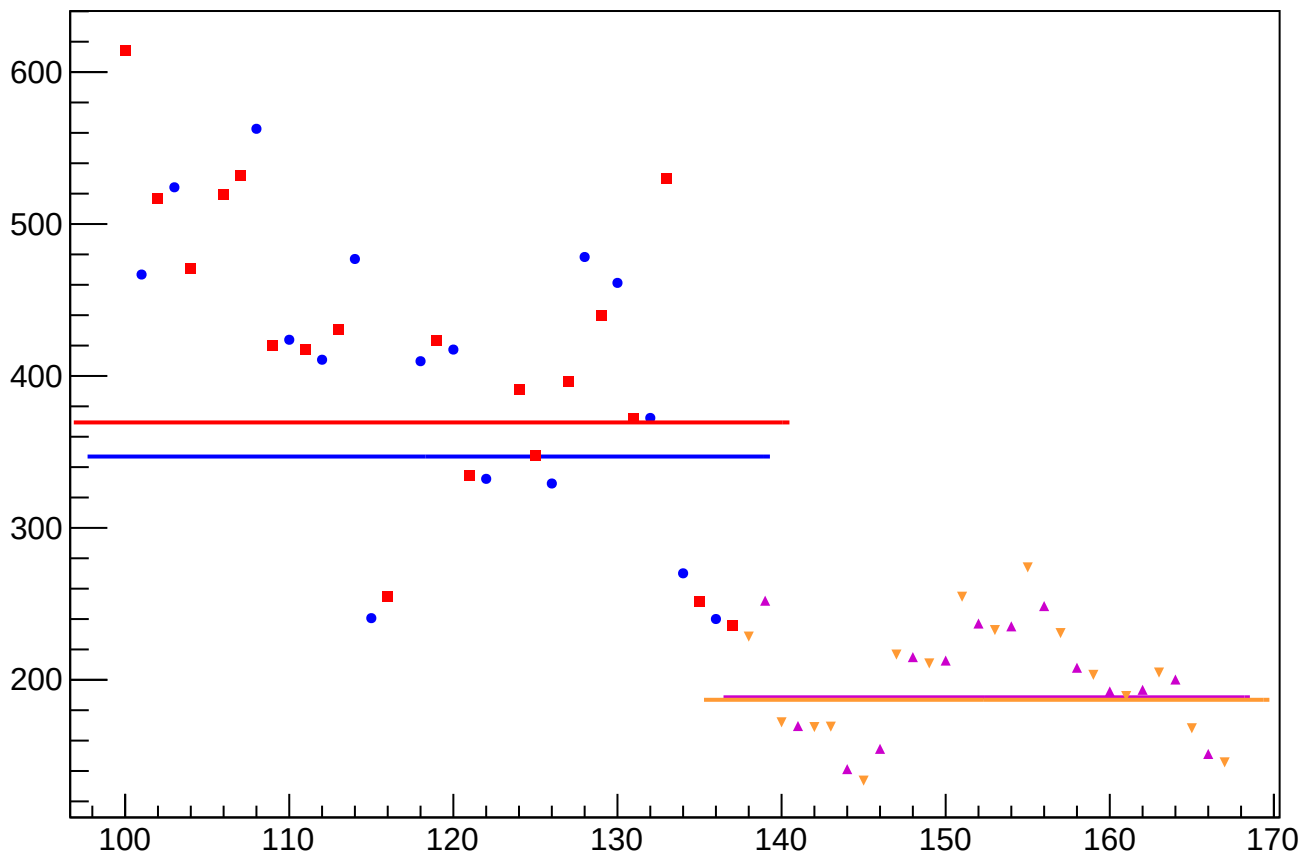
Left In: 8.056 ± 56.660 χ^2/NDF : 12.2/13

+ sign 321.251 ± 49.996 χ^2/NDF : 55.0/31

All: 190.496 ± 36.212 χ^2/NDF : 96.9/64

- sign 46.211 ± 52.520 χ^2/NDF : 27.5/32

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 346.969 $\pm$ 0.095 χ^2/NDF : 1058029.4/15

Left Out: 186.864 $\pm$ 0.038 χ^2/NDF : 972196.3/15

Right Out: 369.410 $\pm$ 0.099 χ^2/NDF : 918852.6/18

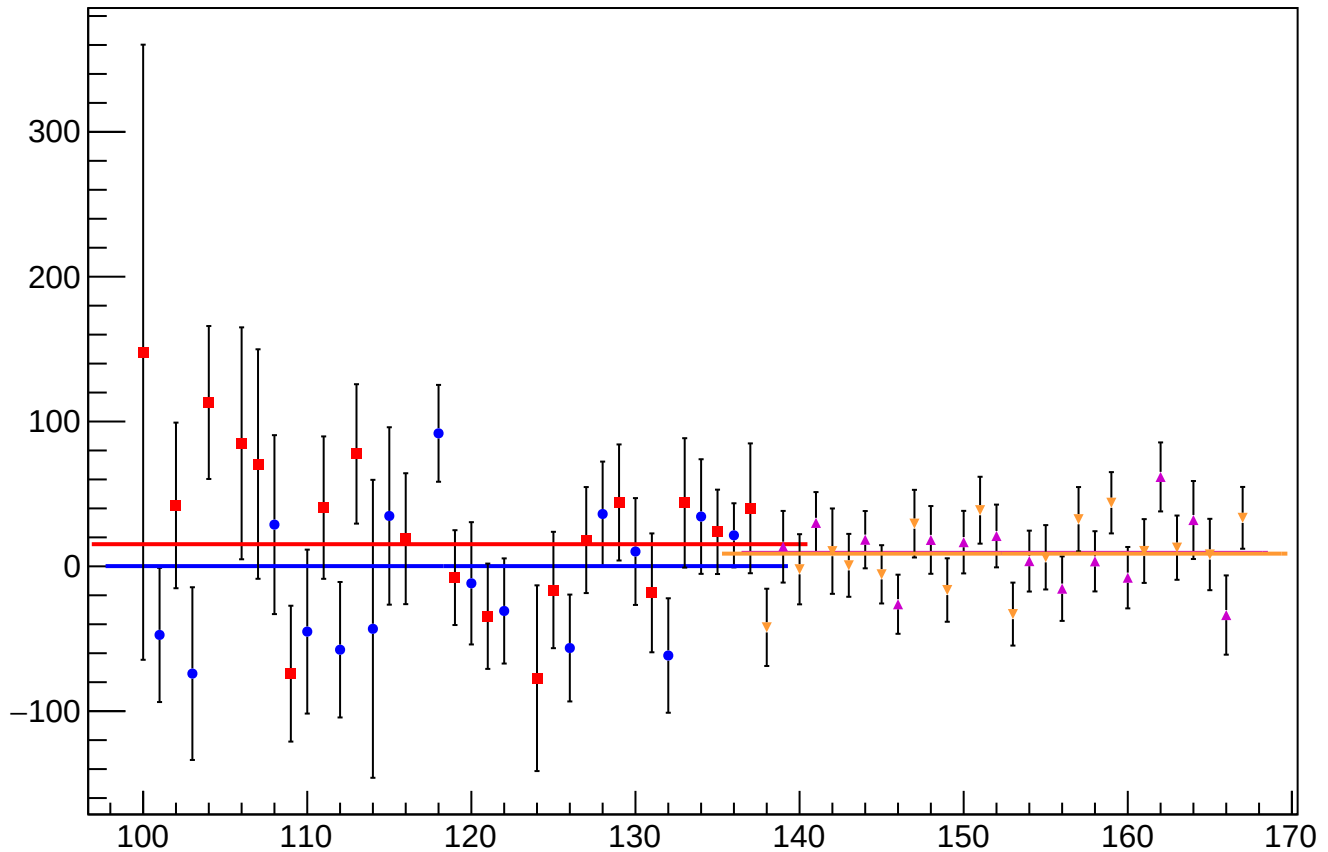
Left In: 188.495 $\pm$ 0.040 χ^2/NDF : 786613.9/13

+ sign 208.865 $\pm$ 0.035 χ^2/NDF : 4461335.6/31

All: 211.291 $\pm$ 0.026 χ^2/NDF : 9047714.8/64

- sign 213.968 $\pm$ 0.037 χ^2/NDF : 4576474.8/32

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: 8.767 ± 5.682 χ^2/NDF : 17.3/15

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

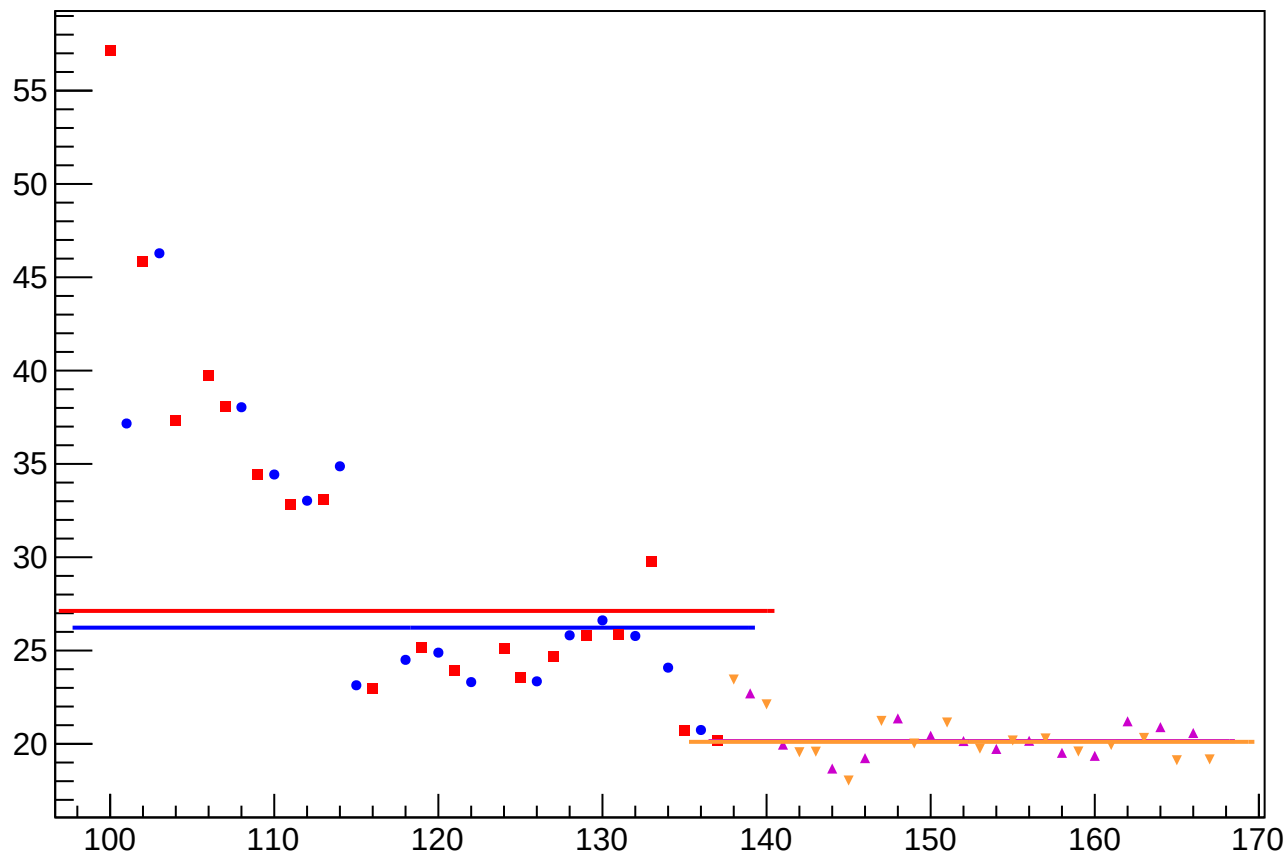
Left In: 9.301 ± 5.955 χ^2/NDF : 14.8/13

+ sign 6.681 ± 4.946 χ^2/NDF : 39.1/31

All: 8.661 ± 3.568 χ^2/NDF : 72.5/64

- sign 10.809 ± 5.152 χ^2/NDF : 33.0/32

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 ± 0.007 χ^2/NDF : 676029.5/15

Left Out: 20.109 ± 0.004 χ^2/NDF : 86141.5/15

Right Out: 27.123 ± 0.007 χ^2/NDF : 745675.5/18

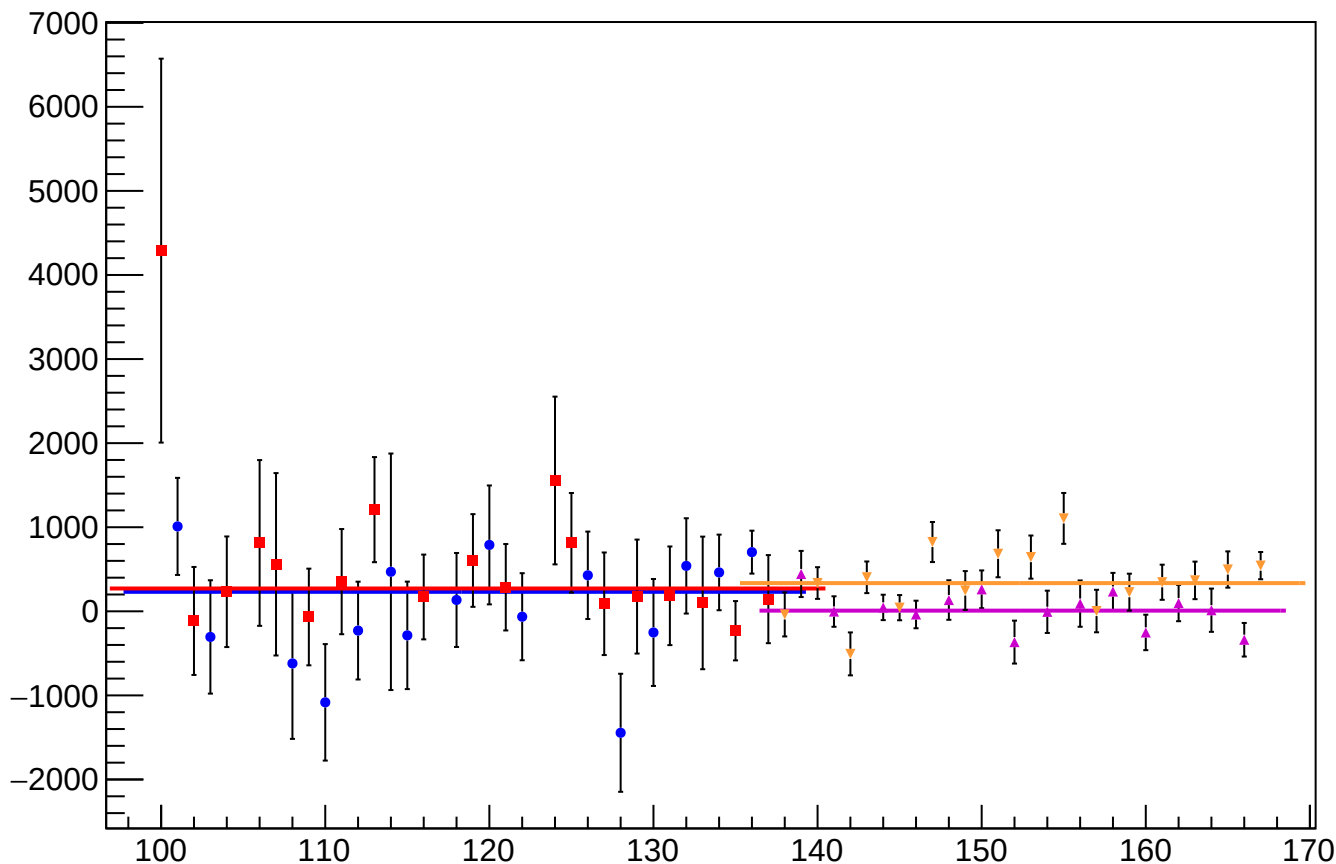
Left In: 20.150 ± 0.004 χ^2/NDF : 53760.5/13

+ sign 21.591 ± 0.003 χ^2/NDF : 1324065.0/31

All: 21.742 ± 0.003 χ^2/NDF : 2817650.2/64

- sign 21.905 ± 0.004 χ^2/NDF : 1489725.0/32

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: 335.453 $\pm$ 53.832 χ^2 /NDF:34.9/15

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

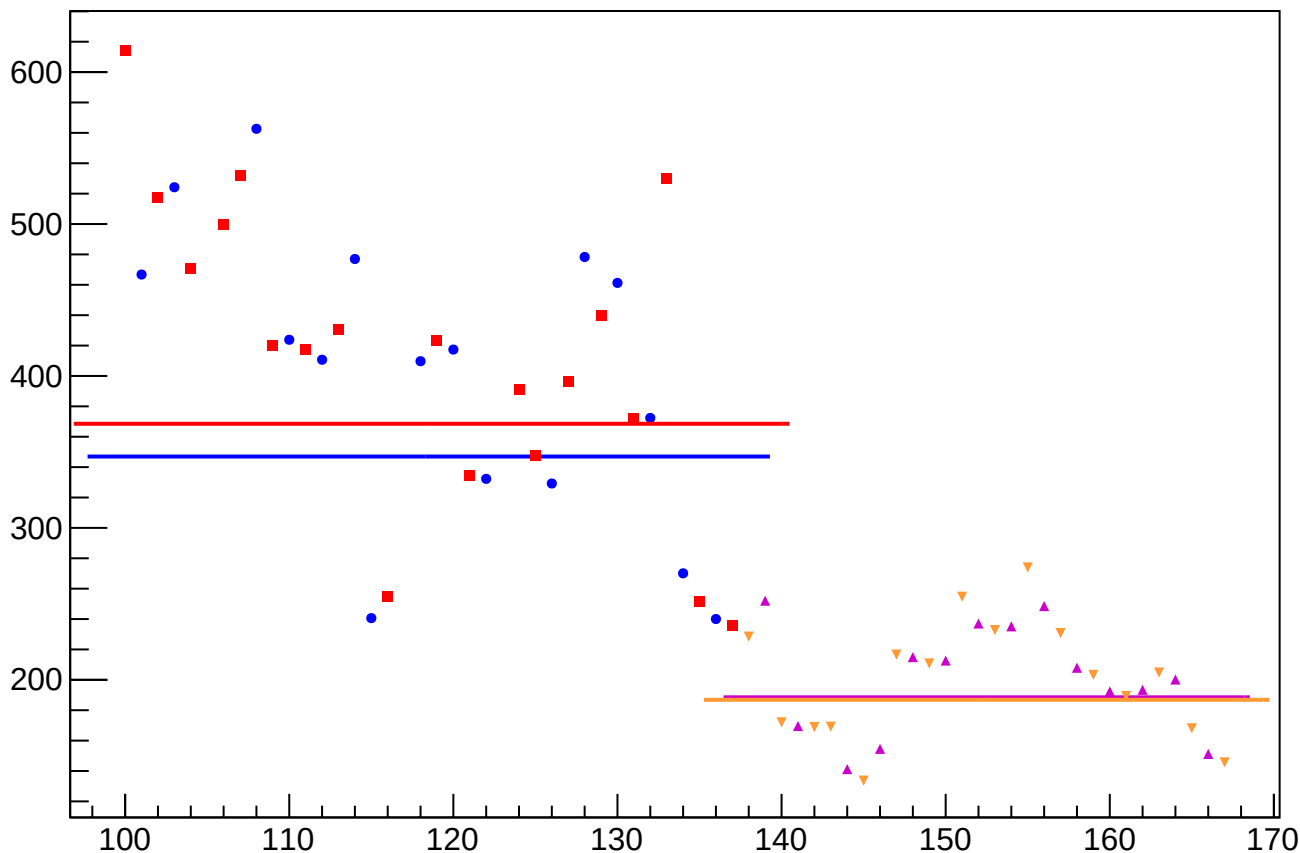
Left In: 8.057 $\pm$ 56.660 χ^2 /NDF:12.2/13

+ sign 321.248 $\pm$ 49.996 χ^2 /NDF: 55.0/31

All: 189.968 $\pm$ 36.216 χ^2 /NDF: 96.4/64

- sign 45.039 $\pm$ 52.531 χ^2 /NDF: 26.9/32

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: 186.864 $\pm$ 0.038 χ^2 /NDF: 972199.4/15

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

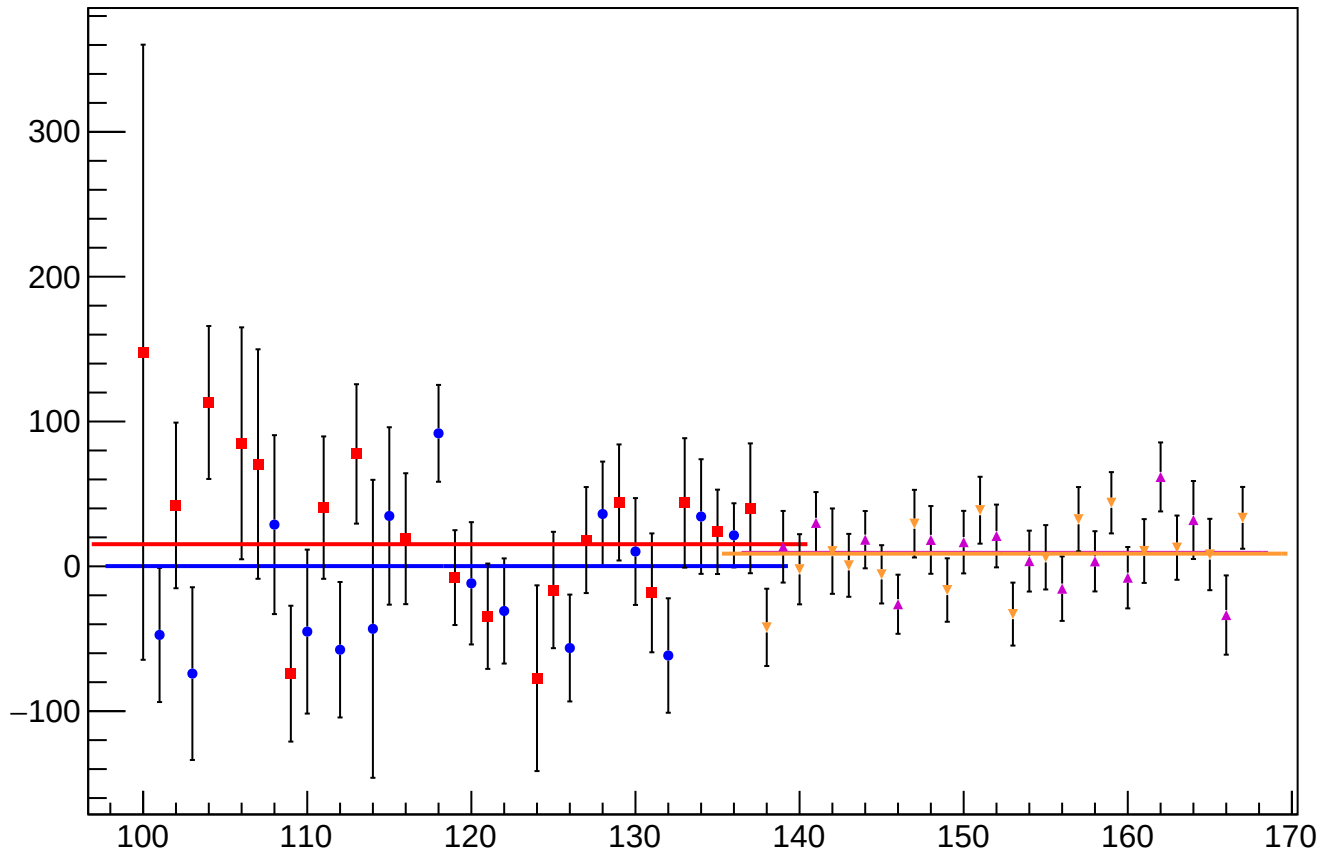
Left In: 188.495 $\pm$ 0.040 χ^2 /NDF: 786611.3/13

+ sign 208.865 $\pm$ 0.035 χ^2 /NDF: 4461367.6/31

All: 211.200 $\pm$ 0.026 χ^2 /NDF: 8993352.0/64

- sign 213.778 $\pm$ 0.037 χ^2 /NDF: 4522803.7/32

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 $\chi^2/\text{NDF}: 21.3/15$

Left Out: 8.767 ± 5.682 $\chi^2/\text{NDF}: 17.3/15$

Right Out: 15.292 ± 10.269 $\chi^2/\text{NDF}: 17.9/18$

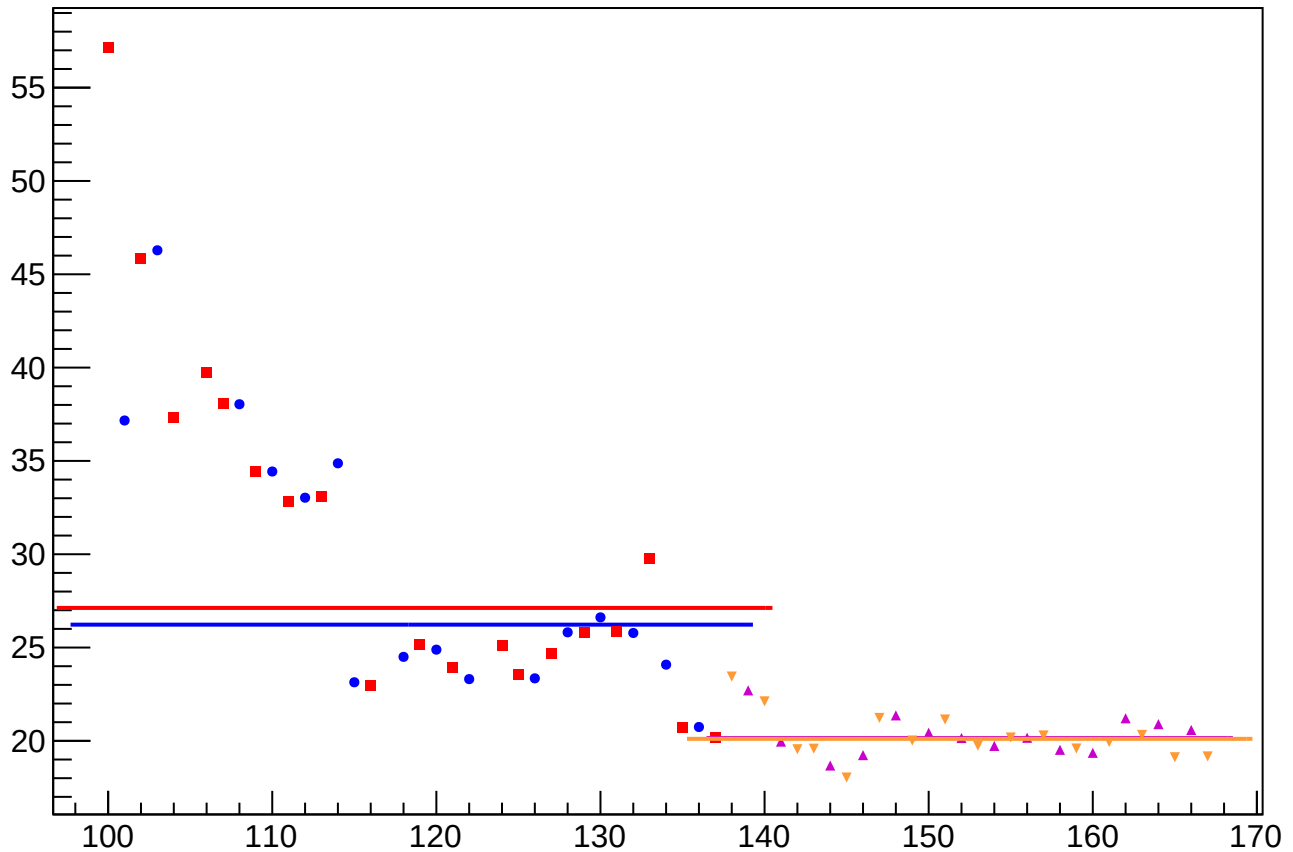
Left In: 9.301 ± 5.955 $\chi^2/\text{NDF}: 14.8/13$

+ sign 6.681 ± 4.946 $\chi^2/\text{NDF}: 39.1/31$

All: 8.661 ± 3.568 $\chi^2/\text{NDF}: 72.5/64$

- sign 10.809 ± 5.152 $\chi^2/\text{NDF}: 33.0/32$

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF : 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF : 86141.5/15

Right Out: 27.123+/-0.007 χ^2/NDF : 745675.5/18

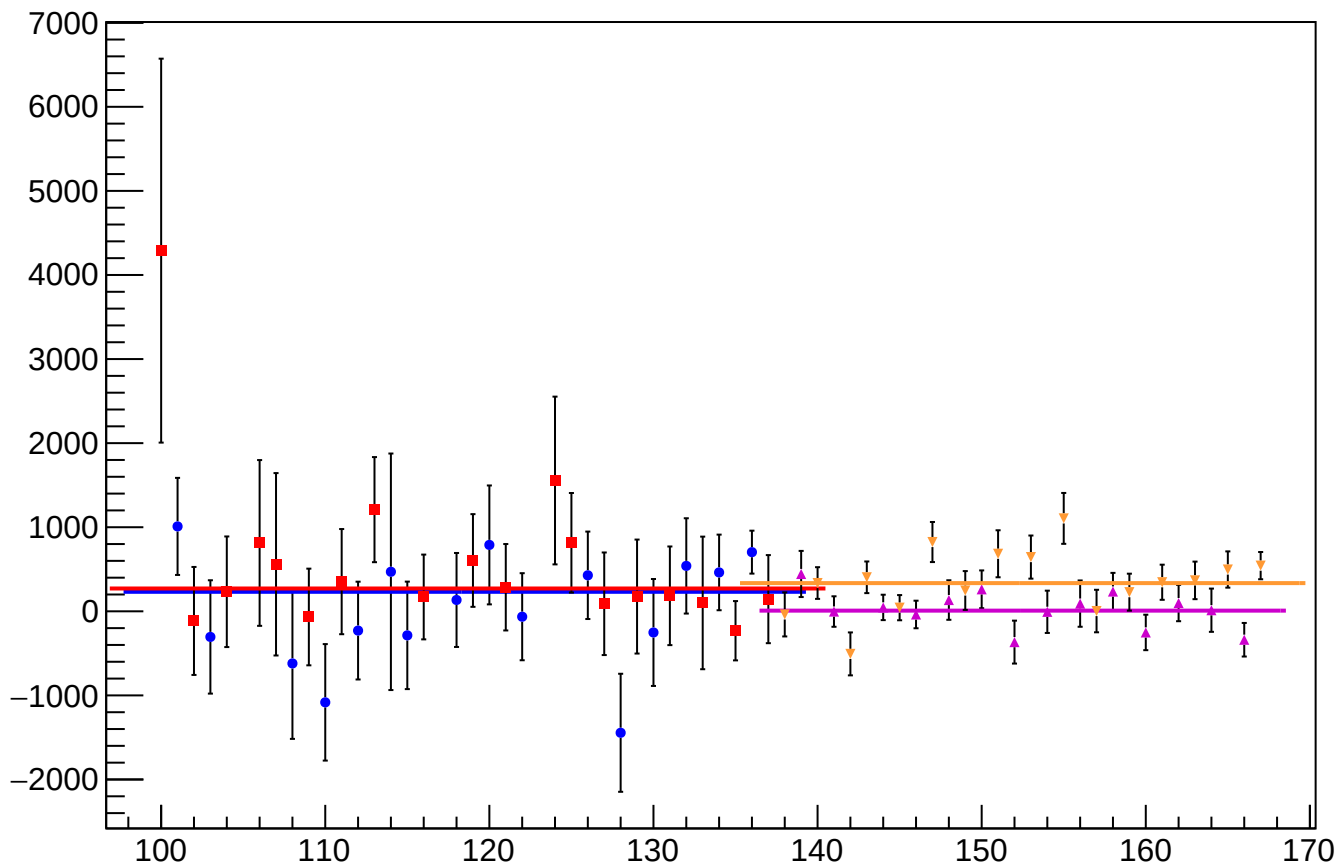
Left In: 20.150+/-0.004 χ^2/NDF : 53760.5/13

+ sign 21.591+/-0.003 χ^2/NDF : 1324065.0/31

All: 21.742+/-0.003 χ^2/NDF : 2817650.2/64

- sign 21.905+/-0.004 χ^2/NDF : 1489725.0/32

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 232.084 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 335.453 $\pm$ 53.832 χ^2 /NDF:34.9/15

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

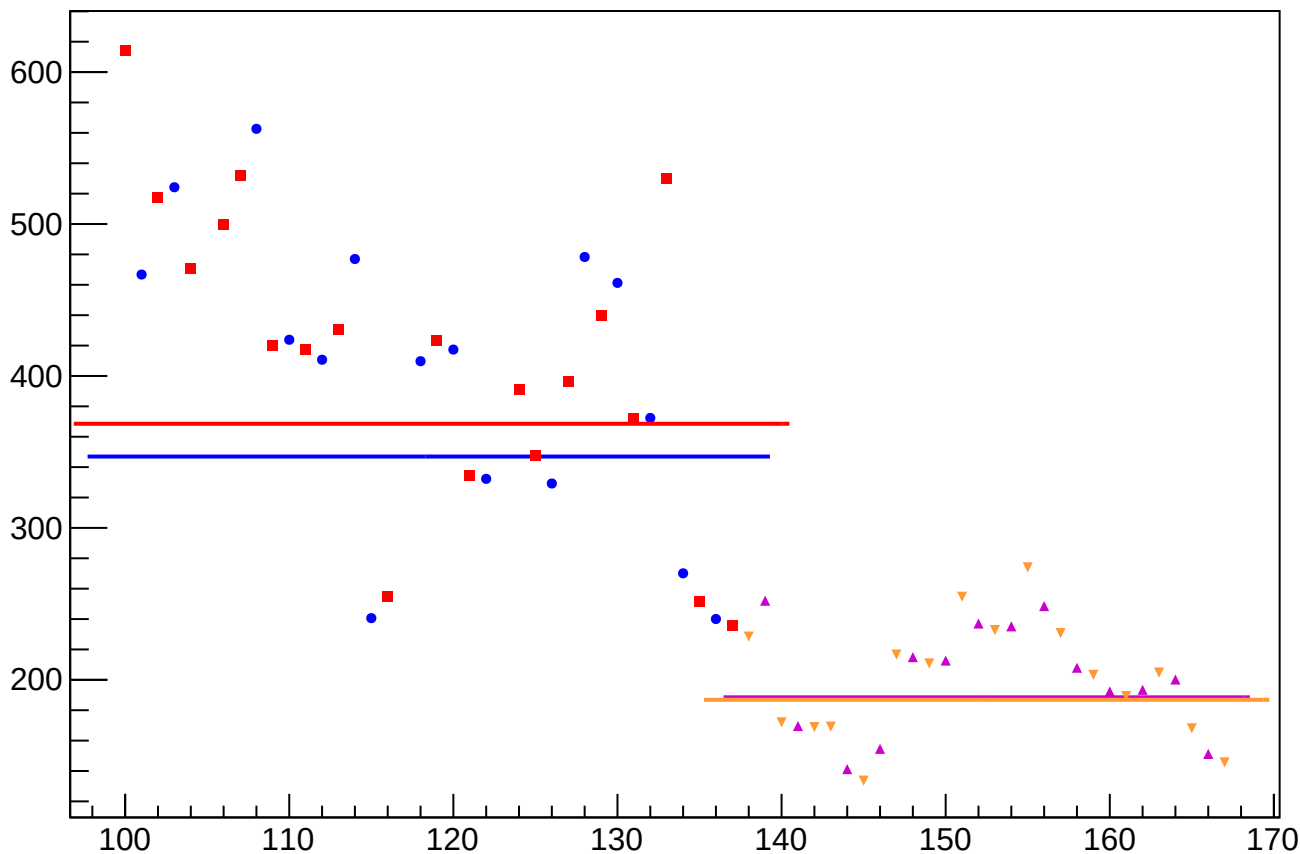
Left In: 8.057 $\pm$ 56.660 χ^2 /NDF:12.2/13

+ sign 321.248 $\pm$ 49.996 χ^2 /NDF: 55.0/31

All: 189.968 $\pm$ 36.216 χ^2 /NDF: 96.4/64

- sign 45.039 $\pm$ 52.531 χ^2 /NDF: 26.9/32

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: 186.864 $\pm$ 0.038 χ^2 /NDF: 972199.4/15

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

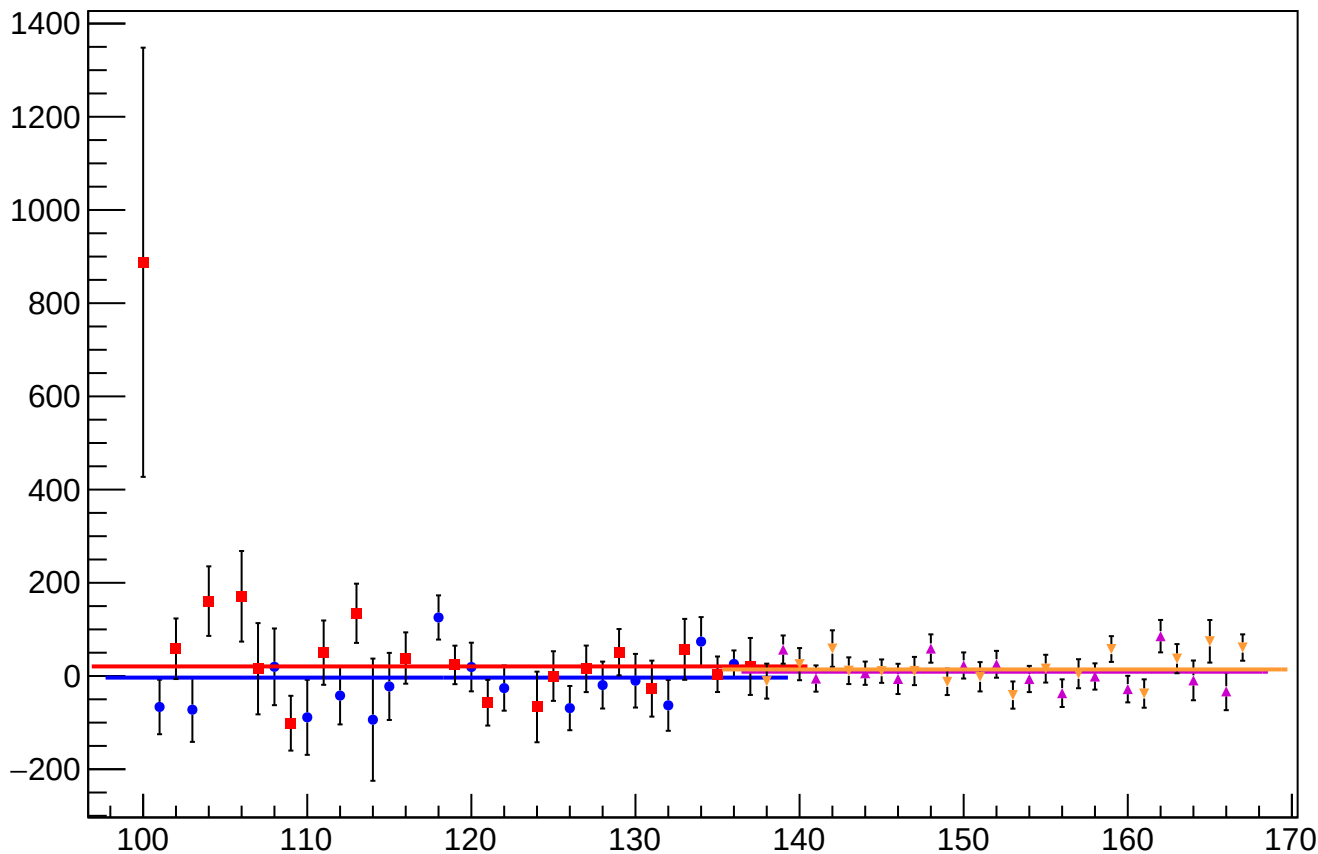
Left In: 188.495 $\pm$ 0.040 χ^2 /NDF: 786611.3/13

+ sign 208.865 $\pm$ 0.035 χ^2 /NDF: 4461367.6/31

All: 211.200 $\pm$ 0.026 χ^2 /NDF: 8993352.0/64

- sign 213.778 $\pm$ 0.037 χ^2 /NDF: 4522803.7/32

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423 ± 13.393 χ^2/NDF : 18.5/15

Left Out: 14.092 ± 7.711 χ^2/NDF : 17.1/15

Right Out: 20.569 ± 13.475 χ^2/NDF : 23.1/18

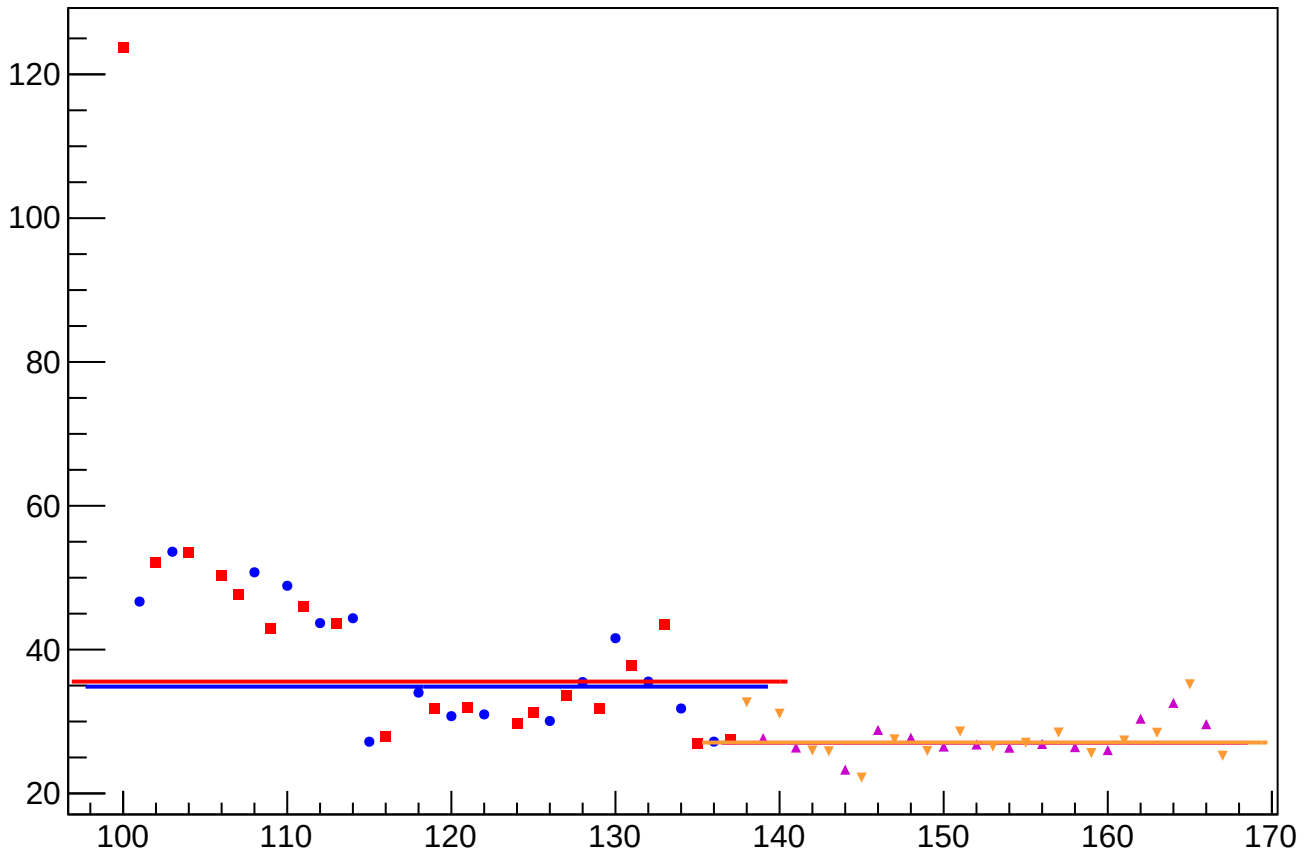
Left In: 9.215 ± 8.073 χ^2/NDF : 16.8/13

+ sign 9.731 ± 6.682 χ^2/NDF : 36.9/31

All: 10.928 ± 4.809 χ^2/NDF : 77.4/64

- sign 12.214 ± 6.925 χ^2/NDF : 40.5/32

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850 $\pm$ 0.009 χ^2 /NDF: 658141.6/15

Left Out: 27.078 $\pm$ 0.005 χ^2 /NDF: 246468.9/15

Right Out: 35.553 $\pm$ 0.010 χ^2 /NDF: 779880.3/18

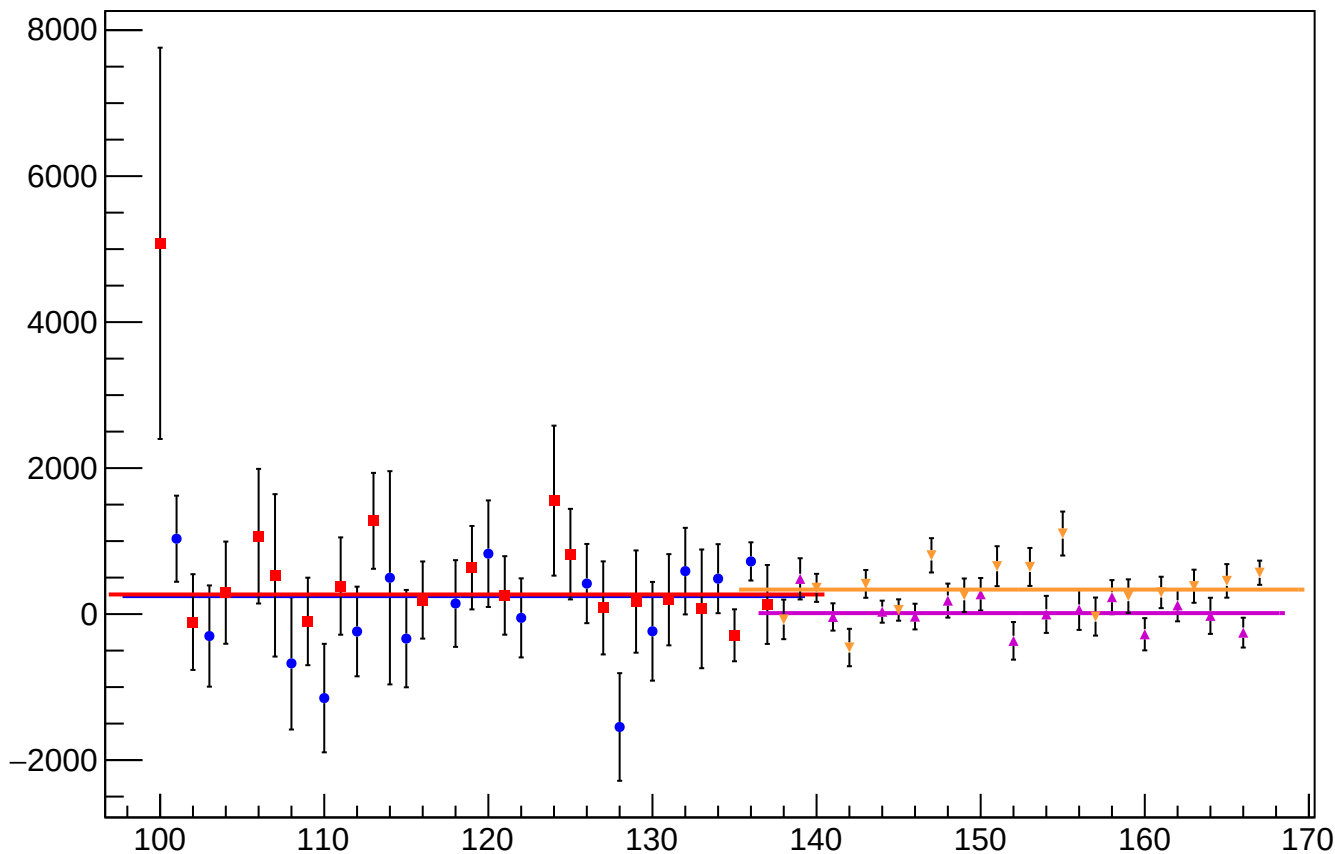
Left In: 27.028 $\pm$ 0.006 χ^2 /NDF: 120186.5/13

+ sign 29.013 $\pm$ 0.005 χ^2 /NDF: 1410533.7/31

All: 29.142 $\pm$ 0.003 χ^2 /NDF: 2901223.8/64

- sign 29.280 $\pm$ 0.005 χ^2 /NDF: 1489154.8/32

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507 ± 140.275 $\chi^2/\text{NDF}: 19.8/15$

Left Out: 335.805 ± 54.493 $\chi^2/\text{NDF}: 33.5/15$

Right Out: 268.913 ± 145.295 $\chi^2/\text{NDF}: 12.6/18$

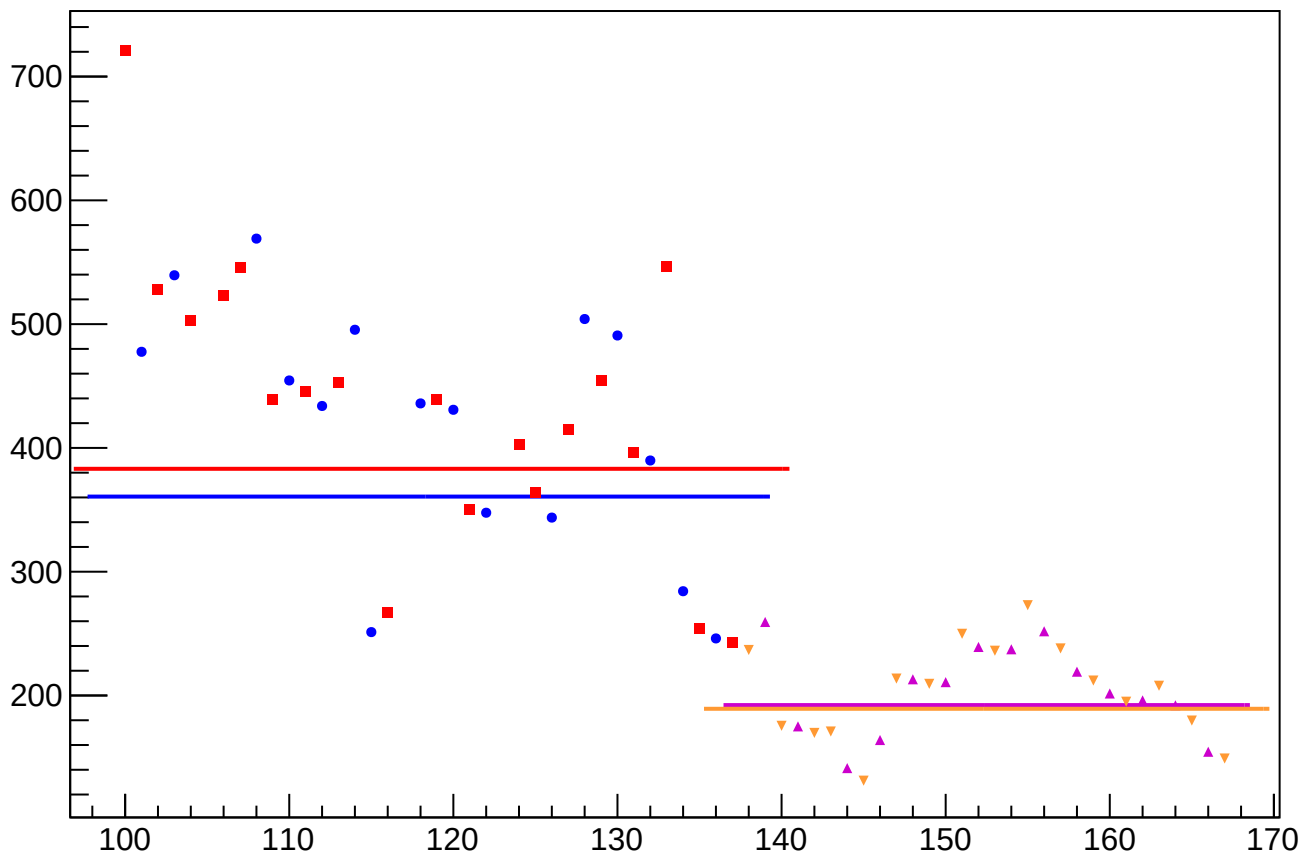
Left In: 13.371 ± 57.791 $\chi^2/\text{NDF}: 11.6/13$

+ sign 324.096 ± 50.794 $\chi^2/\text{NDF}: 53.6/31$

All: 193.847 ± 36.901 $\chi^2/\text{NDF}: 94.5/64$

- sign 48.276 ± 53.699 $\chi^2/\text{NDF}: 26.9/32$

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: 189.267 $\pm$ 0.039 χ^2 /NDF: 996724.1/15

Right Out: 383.132 $\pm$ 0.103 χ^2 /NDF: 963125.0/18

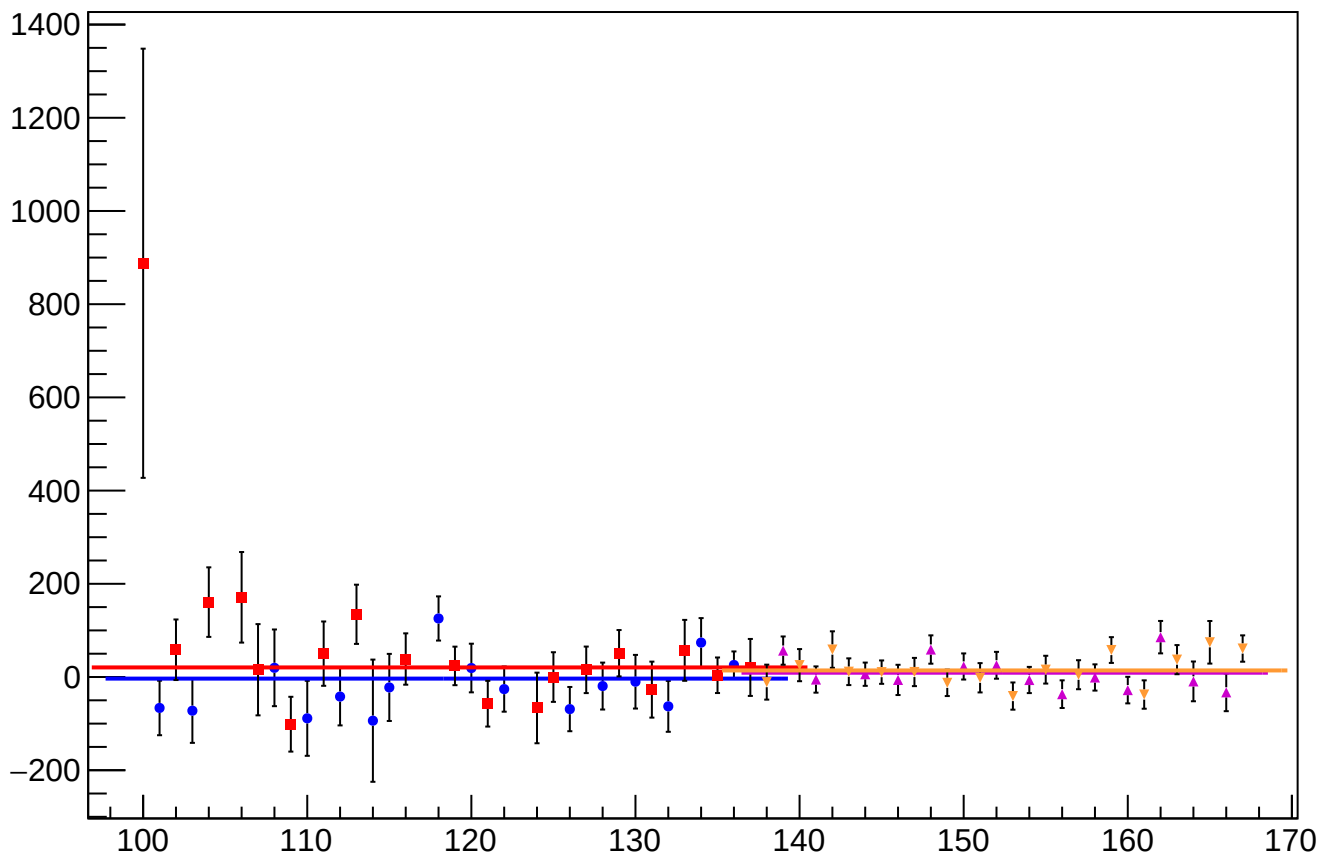
Left In: 192.259 $\pm$ 0.041 χ^2 /NDF: 758846.5/13

+ sign 211.745 $\pm$ 0.036 χ^2 /NDF: 4684737.7/31

All: 214.855 $\pm$ 0.026 χ^2 /NDF: 9402685.5/64

- sign 218.331 $\pm$ 0.038 χ^2 /NDF: 4702069.7/32

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425 ± 13.392 χ^2/NDF : 18.5/15

Left Out: 14.092 ± 7.711 χ^2/NDF : 17.1/15

Right Out: 20.569 ± 13.475 χ^2/NDF : 23.1/18

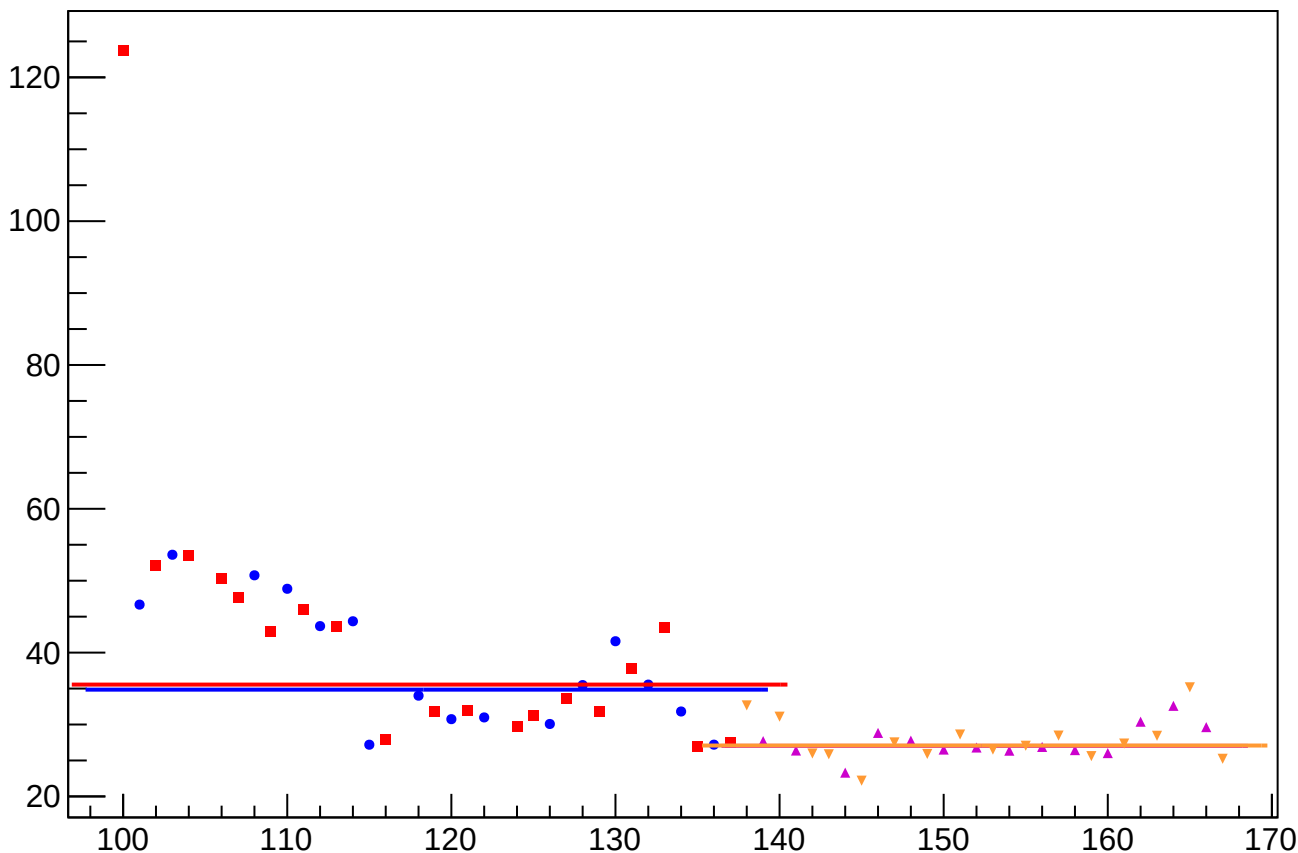
Left In: 9.215 ± 8.073 χ^2/NDF : 16.8/13

+ sign 9.731 ± 6.682 χ^2/NDF : 36.9/31

All: 10.928 ± 4.809 χ^2/NDF : 77.4/64

- sign 12.214 ± 6.925 χ^2/NDF : 40.5/32

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF : 658089.6/15

Left Out: 27.078+/-0.005 χ^2/NDF : 246459.6/15

Right Out: 35.552+/-0.010 χ^2/NDF : 779849.4/18

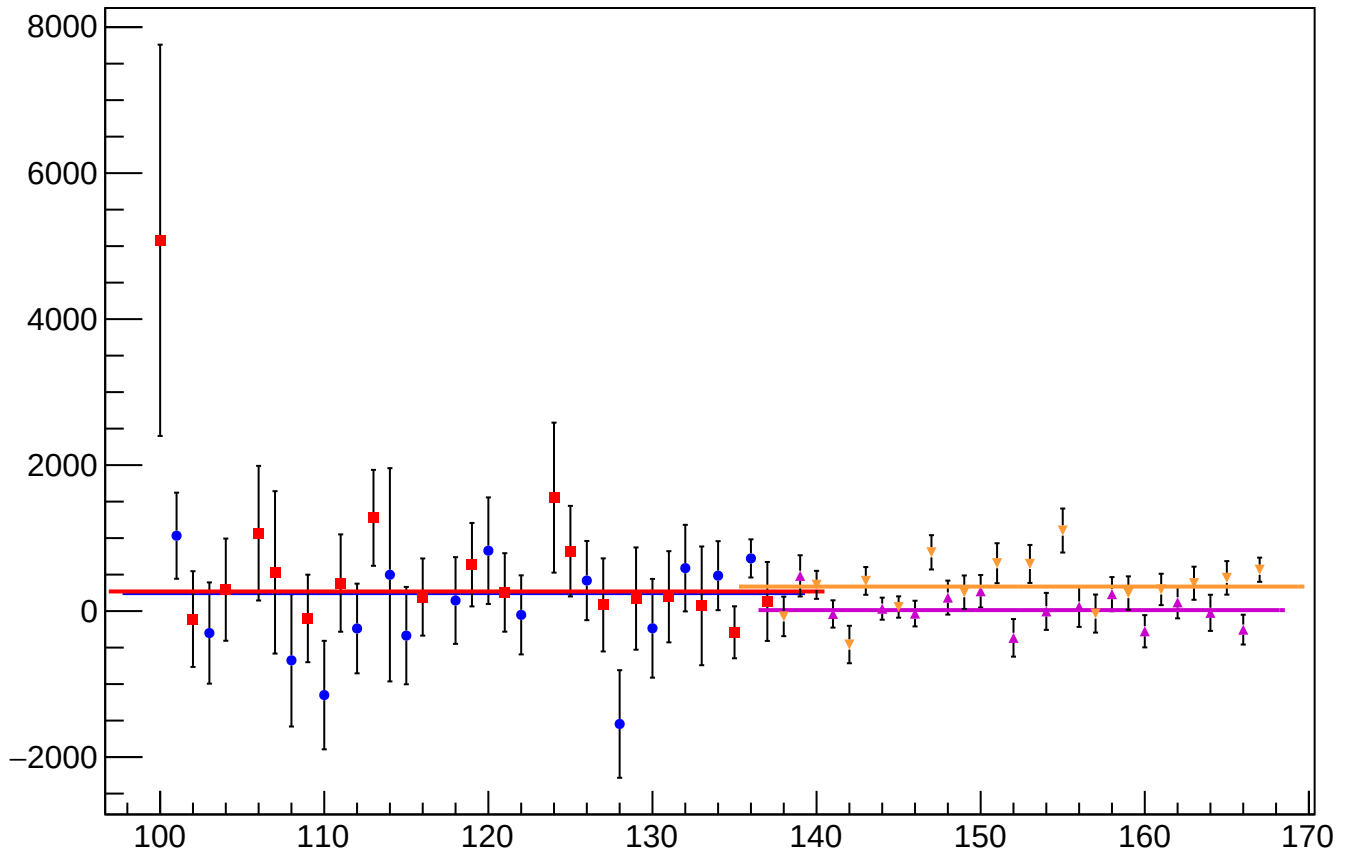
Left In: 27.028+/-0.006 χ^2/NDF : 120187.3/13

+ sign 29.013+/-0.005 χ^2/NDF : 1410407.7/31

All: 29.142+/-0.003 χ^2/NDF : 2901014.8/64

- sign 29.280+/-0.005 χ^2/NDF : 1489071.9/32

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: 335.804 $\pm$ 54.492 χ^2 /NDF:33.5/15

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

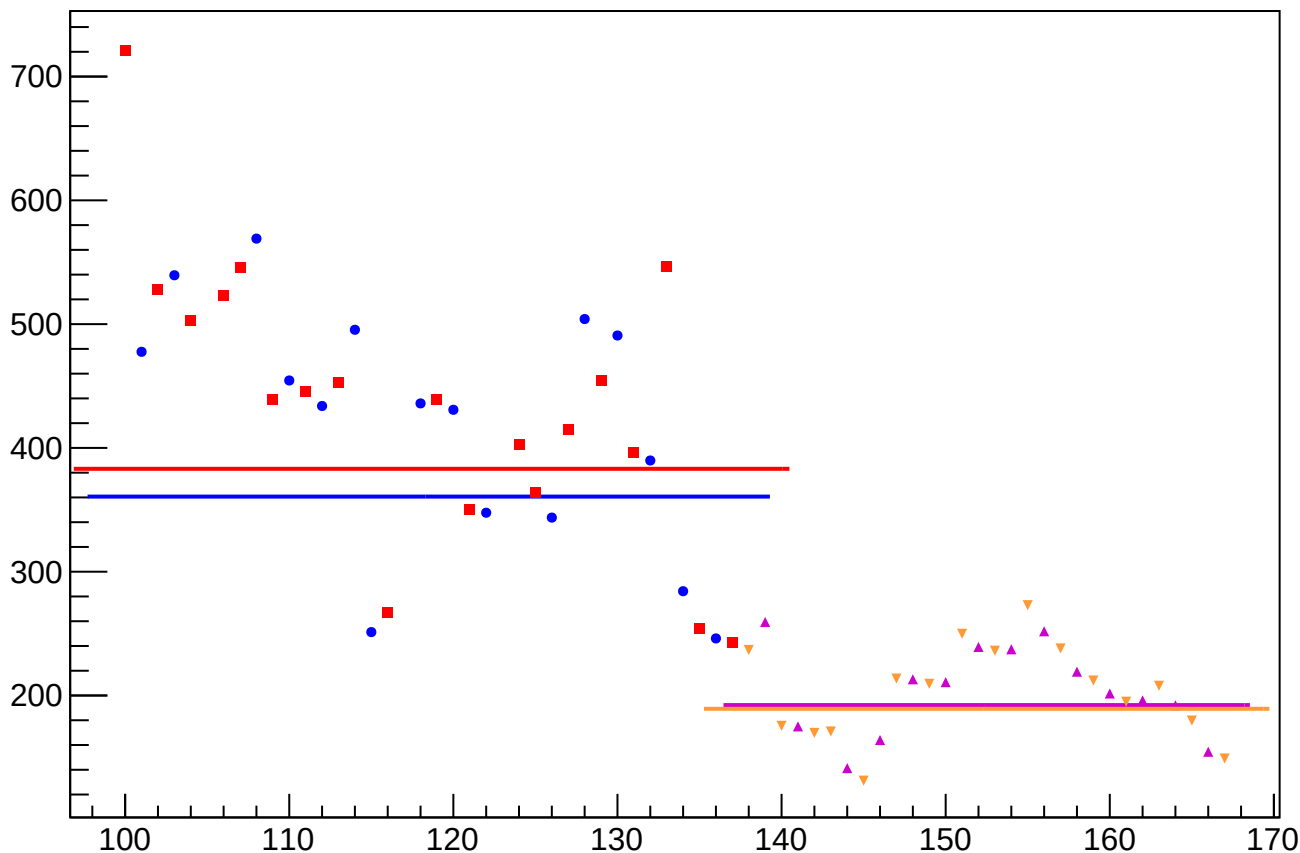
Left In: 13.371 $\pm$ 57.790 χ^2 /NDF:11.6/13

+ sign 324.095 $\pm$ 50.794 χ^2 /NDF: 53.6/31

All: 193.846 $\pm$ 36.901 χ^2 /NDF: 94.5/64

- sign 48.276 $\pm$ 53.699 χ^2 /NDF: 26.9/32

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: 189.266 $\pm$ 0.039 χ^2 /NDF: 996745.4/15

Right Out: 383.131 $\pm$ 0.103 χ^2 /NDF: 963120.8/18

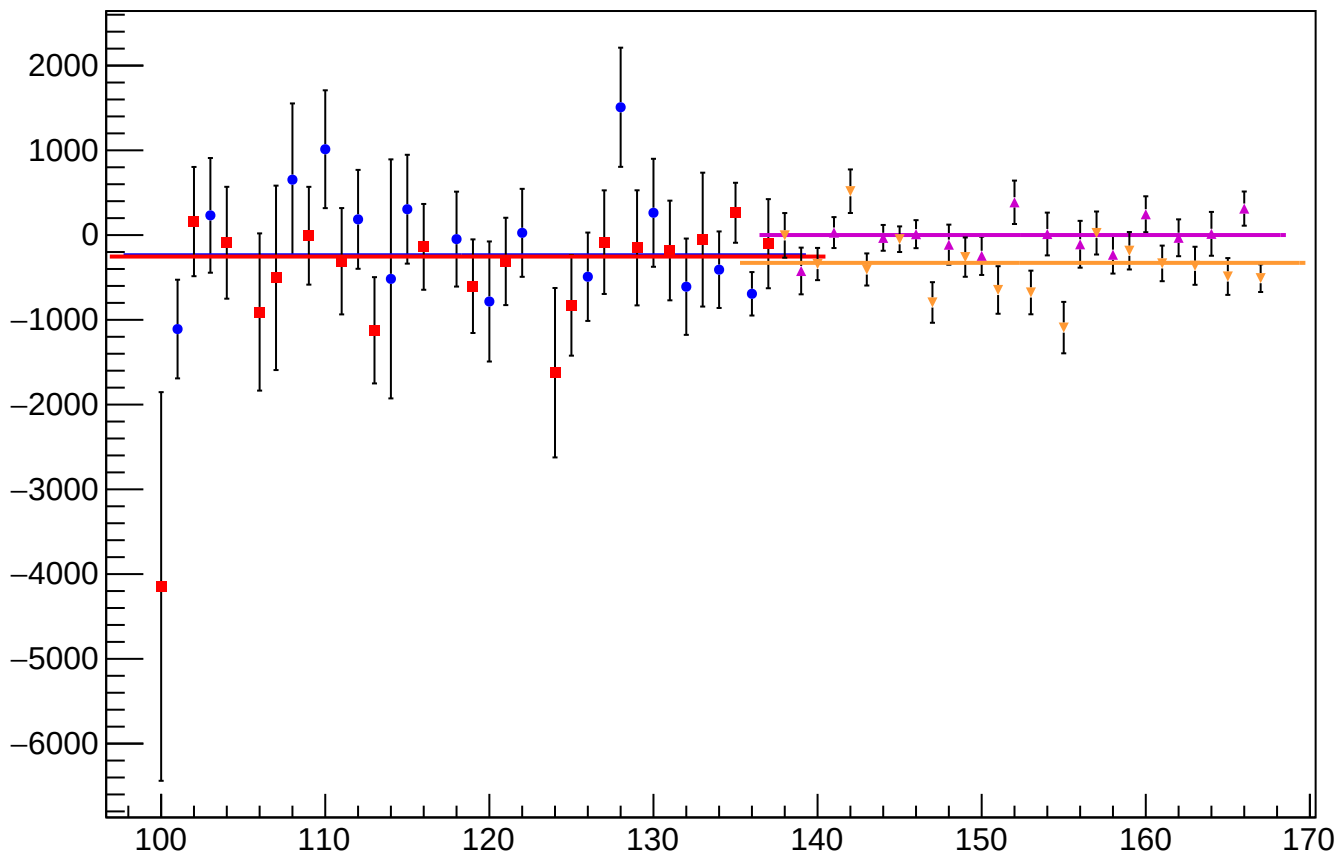
Left In: 192.258 $\pm$ 0.041 χ^2 /NDF: 758852.0/13

+ sign 211.744 $\pm$ 0.036 χ^2 /NDF: 4684754.0/31

All: 214.854 $\pm$ 0.026 χ^2 /NDF: 9402701.9/64

- sign 218.330 $\pm$ 0.038 χ^2 /NDF: 4702069.2/32

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043 ± 135.349 χ^2/NDF : 19.9/15

Left Out: -327.803 ± 54.174 χ^2/NDF : 33.4/15

Right Out: -253.445 ± 140.414 χ^2/NDF : 11.7/18

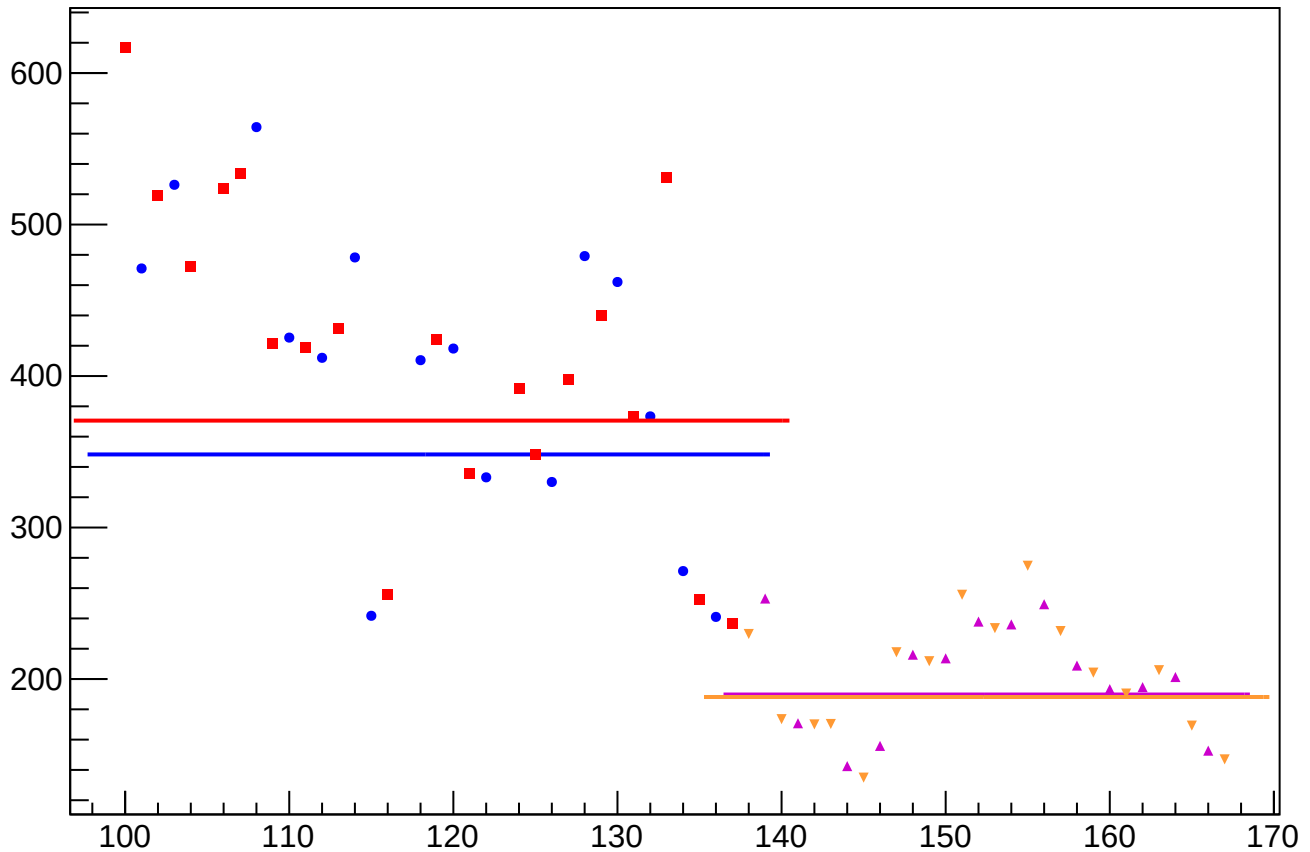
Left In: 0.616 ± 57.020 χ^2/NDF : 11.1/13

+ sign -315.408 ± 50.295 χ^2/NDF : 53.7/31

All: -182.258 ± 36.427 χ^2/NDF : 94.1/64

- sign -35.349 ± 52.830 χ^2/NDF : 25.6/32

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253 $\pm$ 0.096 χ^2/NDF : 1056820.3/15

Left Out: 188.134 $\pm$ 0.038 χ^2/NDF : 953742.2/15

Right Out: 370.585 $\pm$ 0.099 χ^2/NDF : 917913.5/18

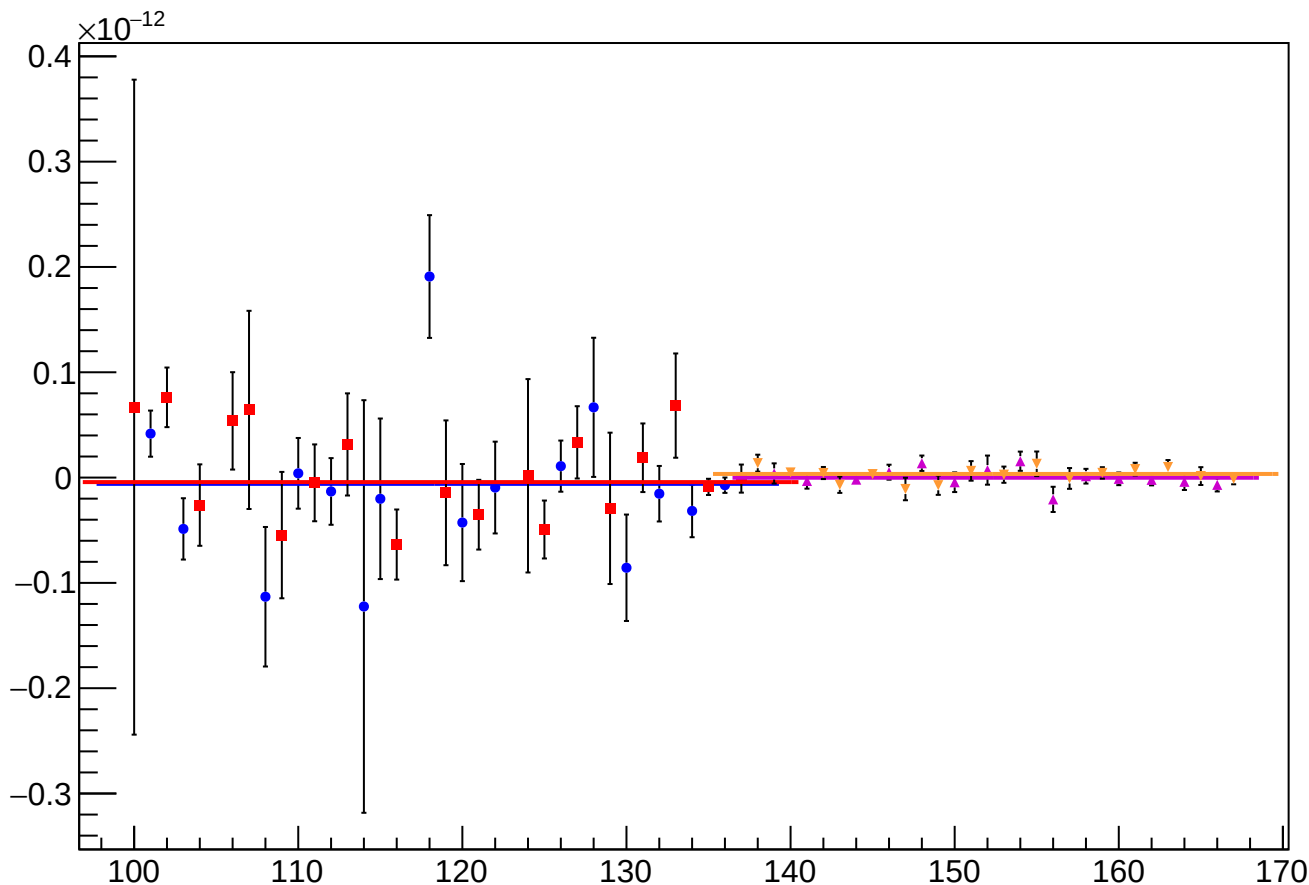
Left In: 189.772 $\pm$ 0.040 χ^2/NDF : 769947.9/13

+ sign 210.244 $\pm$ 0.036 χ^2/NDF : 4423056.0/31

All: 212.680 $\pm$ 0.026 χ^2/NDF : 8967752.6/64

- sign 215.367 $\pm$ 0.037 χ^2/NDF : 4534830.4/32

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:10.1/15

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/18

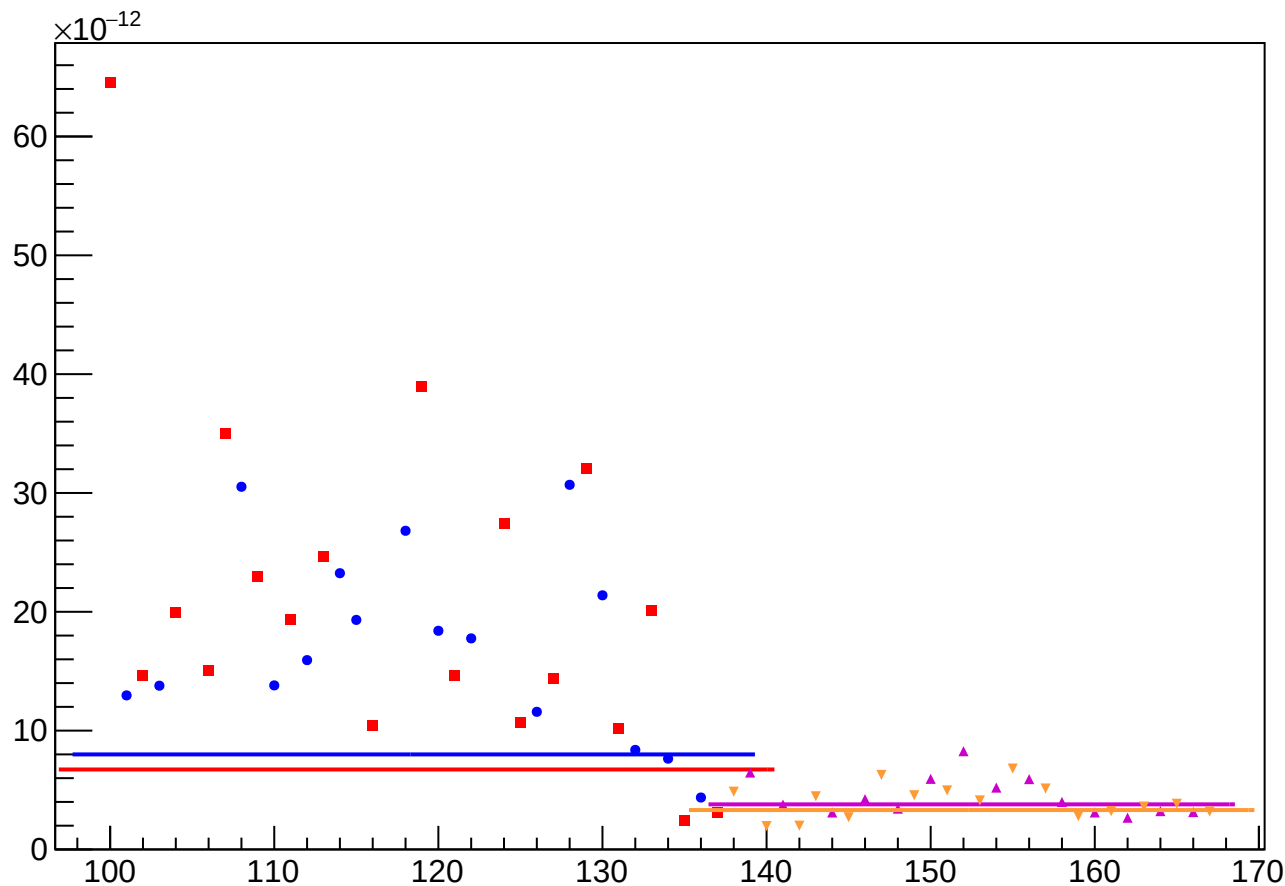
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:12.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.9/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/32

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 : 1032946.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3379574.5/18

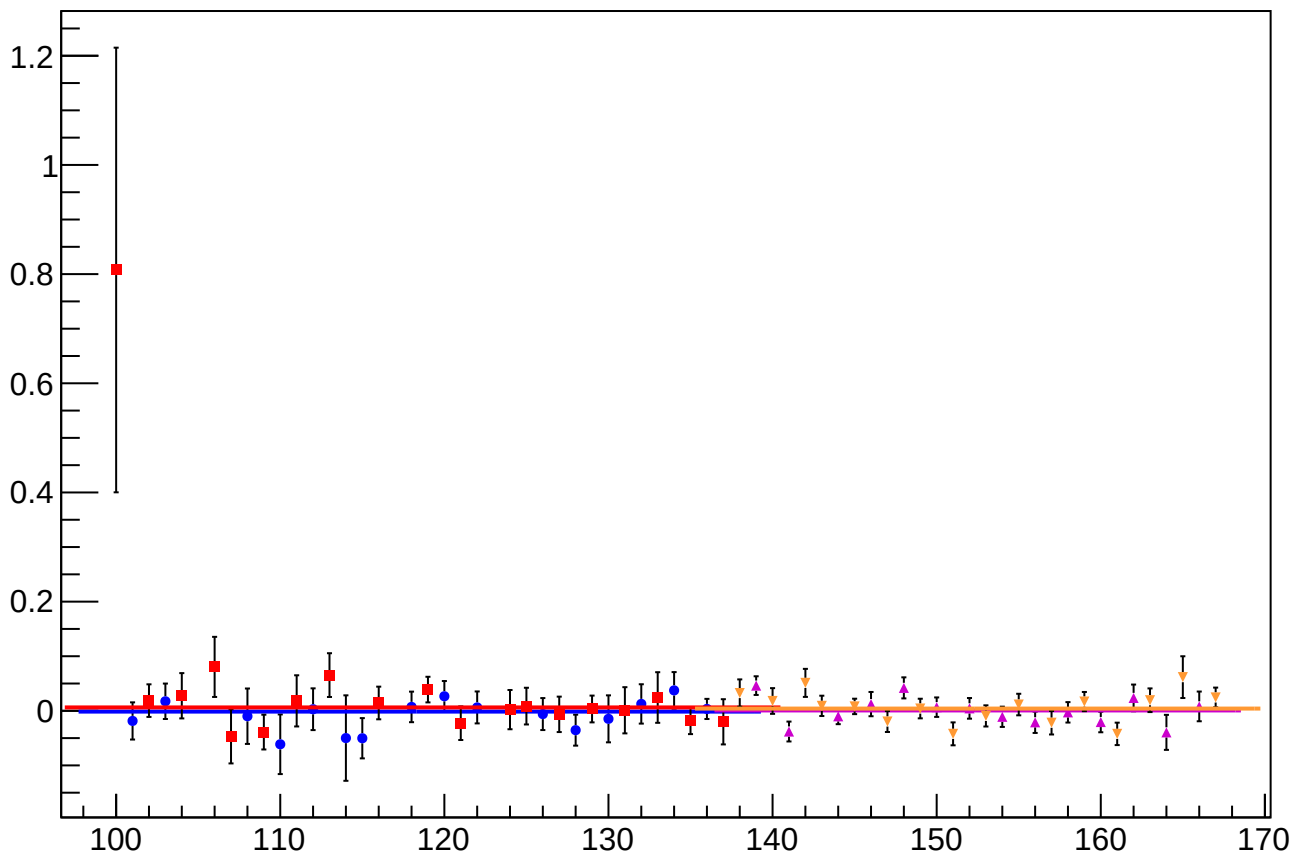
Left In: 0.000+/-0.000 χ^2/NDF : 784931.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 4234623.6/31

All: 0.000+/-0.000 χ^2/NDF : 8963095.5/64

- sign 0.000+/-0.000 χ^2/NDF : 4663099.9/32

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: 0.004 ± 0.005 χ^2/NDF : 23.3/15

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

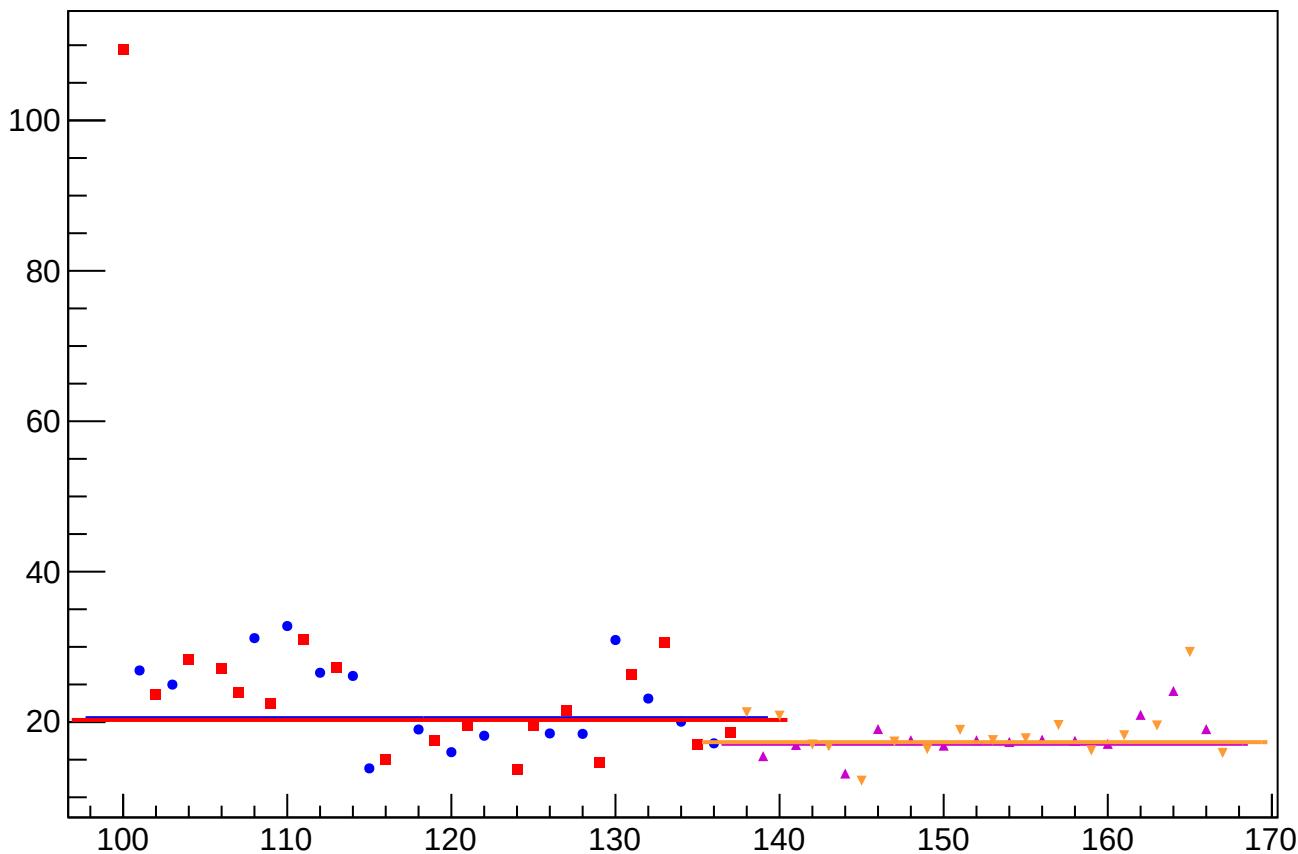
Left In: 0.001 ± 0.005 χ^2/NDF : 22.6/13

+ sign 0.003 ± 0.004 χ^2/NDF : 31.9/31

All: 0.002 ± 0.003 χ^2/NDF : 71.1/64

- sign 0.002 ± 0.004 χ^2/NDF : 39.2/32

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522 $\pm$ 0.006 χ^2 /NDF: 705998.4/15

Left Out: 17.330 $\pm$ 0.004 χ^2 /NDF: 644218.1/15

Right Out: 20.282 $\pm$ 0.006 χ^2 /NDF: 864352.6/18

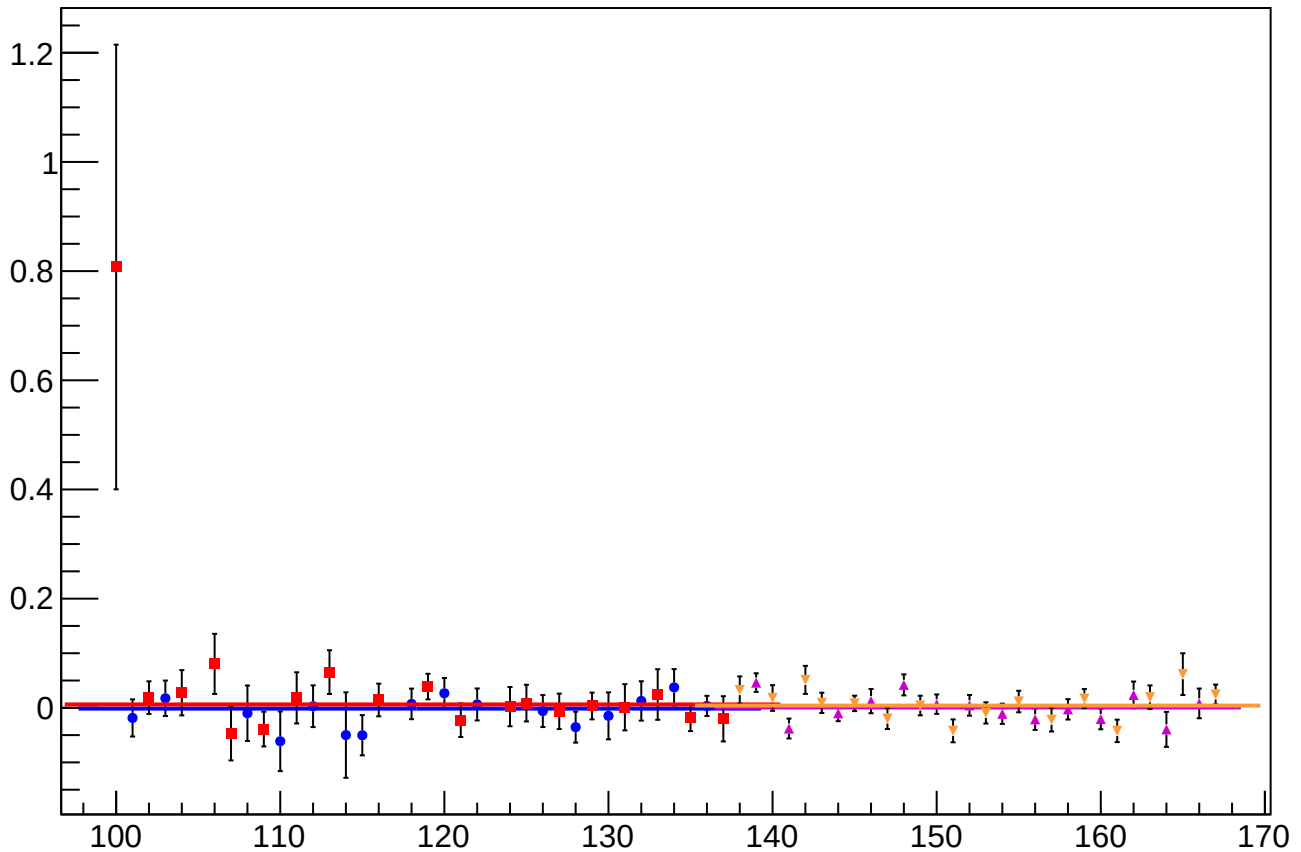
Left In: 17.111 $\pm$ 0.004 χ^2 /NDF: 345917.2/13

+ sign 18.220 $\pm$ 0.003 χ^2 /NDF: 1576323.8/31

All: 18.147 $\pm$ 0.002 χ^2 /NDF: 3013407.6/64

- sign 18.070 $\pm$ 0.003 χ^2 /NDF: 1435860.3/32

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: 0.004 ± 0.005 χ^2/NDF : 23.3/15

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

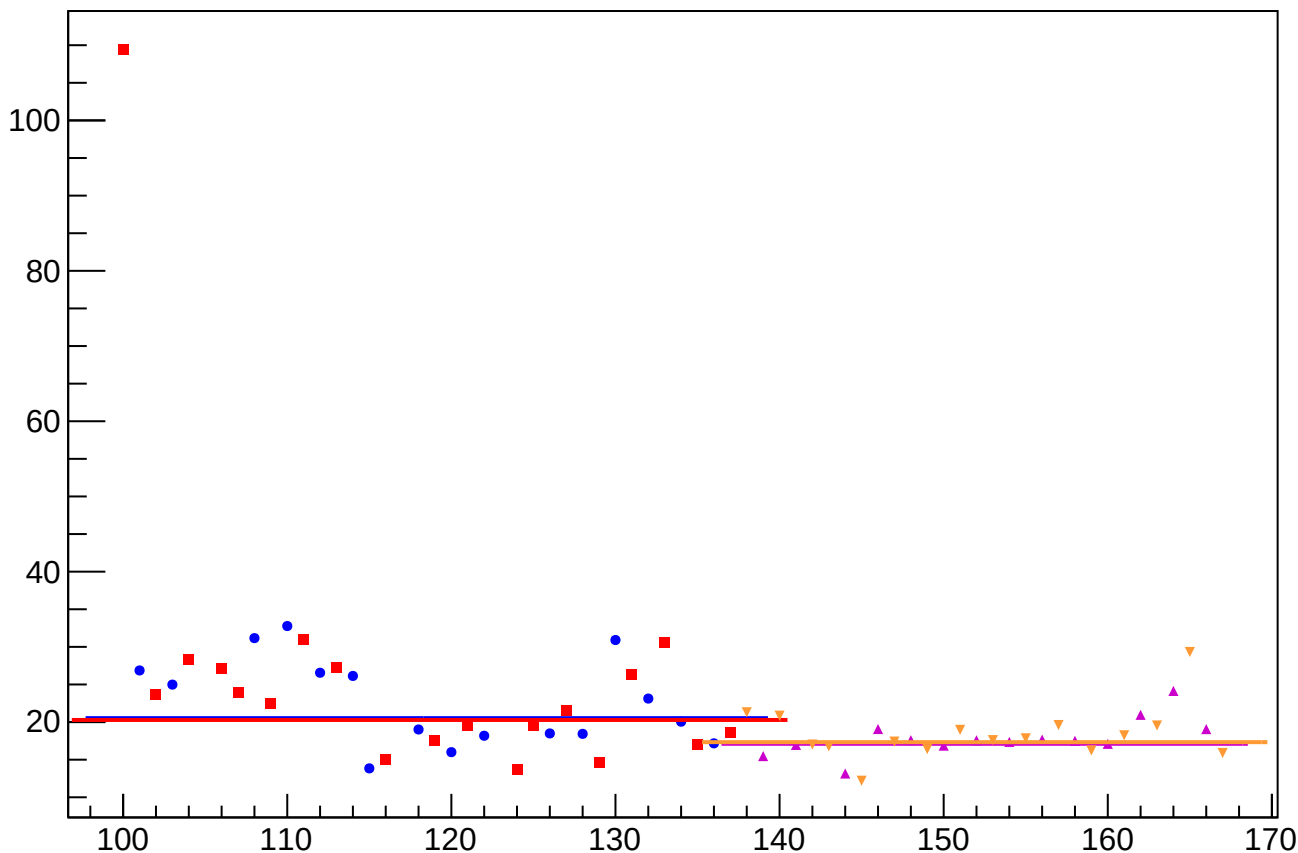
Left In: 0.001 ± 0.005 χ^2/NDF : 22.6/13

+ sign 0.003 ± 0.004 χ^2/NDF : 31.9/31

All: 0.002 ± 0.003 χ^2/NDF : 71.1/64

- sign 0.002 ± 0.004 χ^2/NDF : 39.2/32

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.522 $\pm$ 0.006 χ^2 /NDF: 705998.4/15

Left Out: 17.330 $\pm$ 0.004 χ^2 /NDF: 644218.1/15

Right Out: 20.282 $\pm$ 0.006 χ^2 /NDF: 864352.6/18

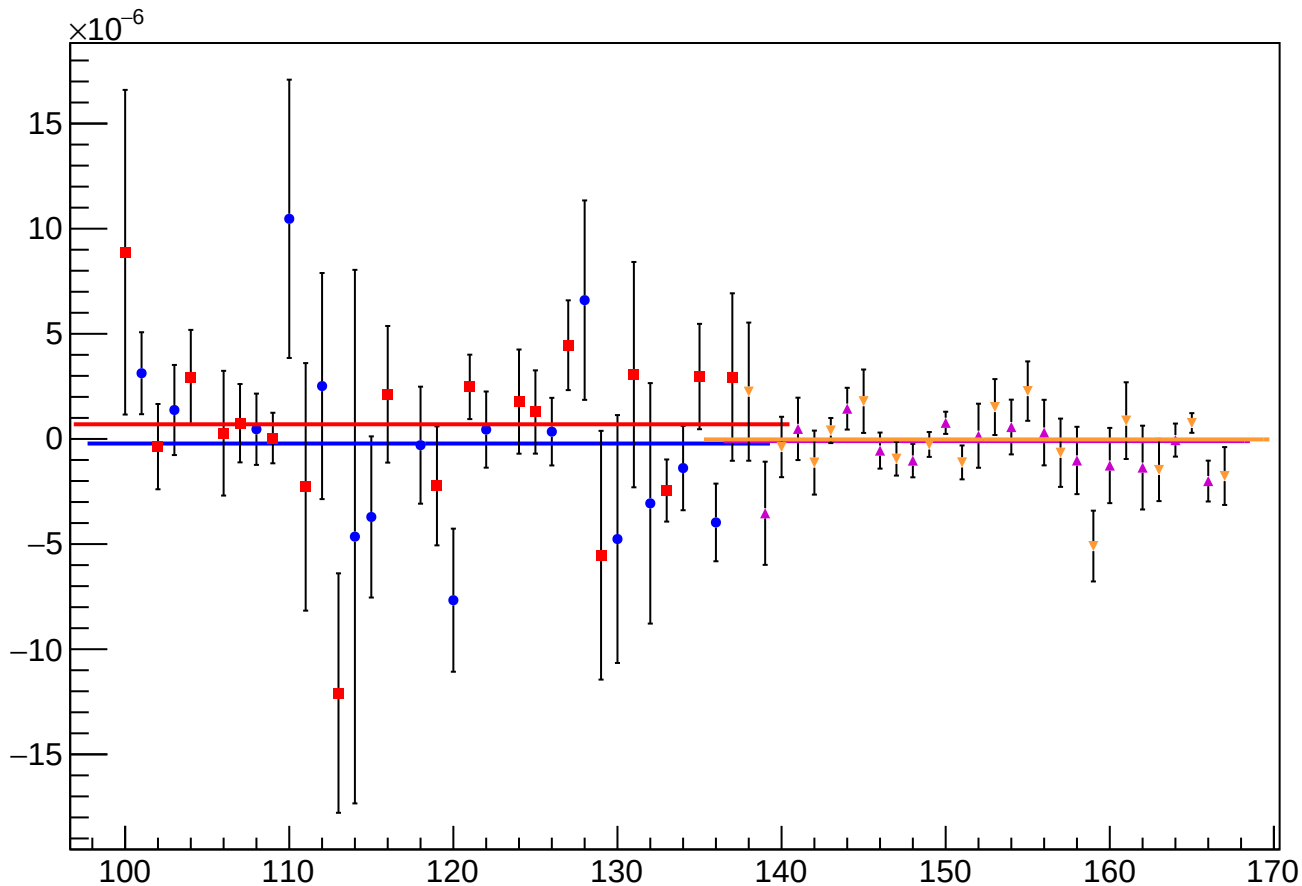
Left In: 17.111 $\pm$ 0.004 χ^2 /NDF: 345917.2/13

+ sign 18.220 $\pm$ 0.003 χ^2 /NDF: 1576323.8/31

All: 18.147 $\pm$ 0.002 χ^2 /NDF: 3013407.6/64

- sign 18.070 $\pm$ 0.003 χ^2 /NDF: 1435860.3/32

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 : 25.1/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.0/18

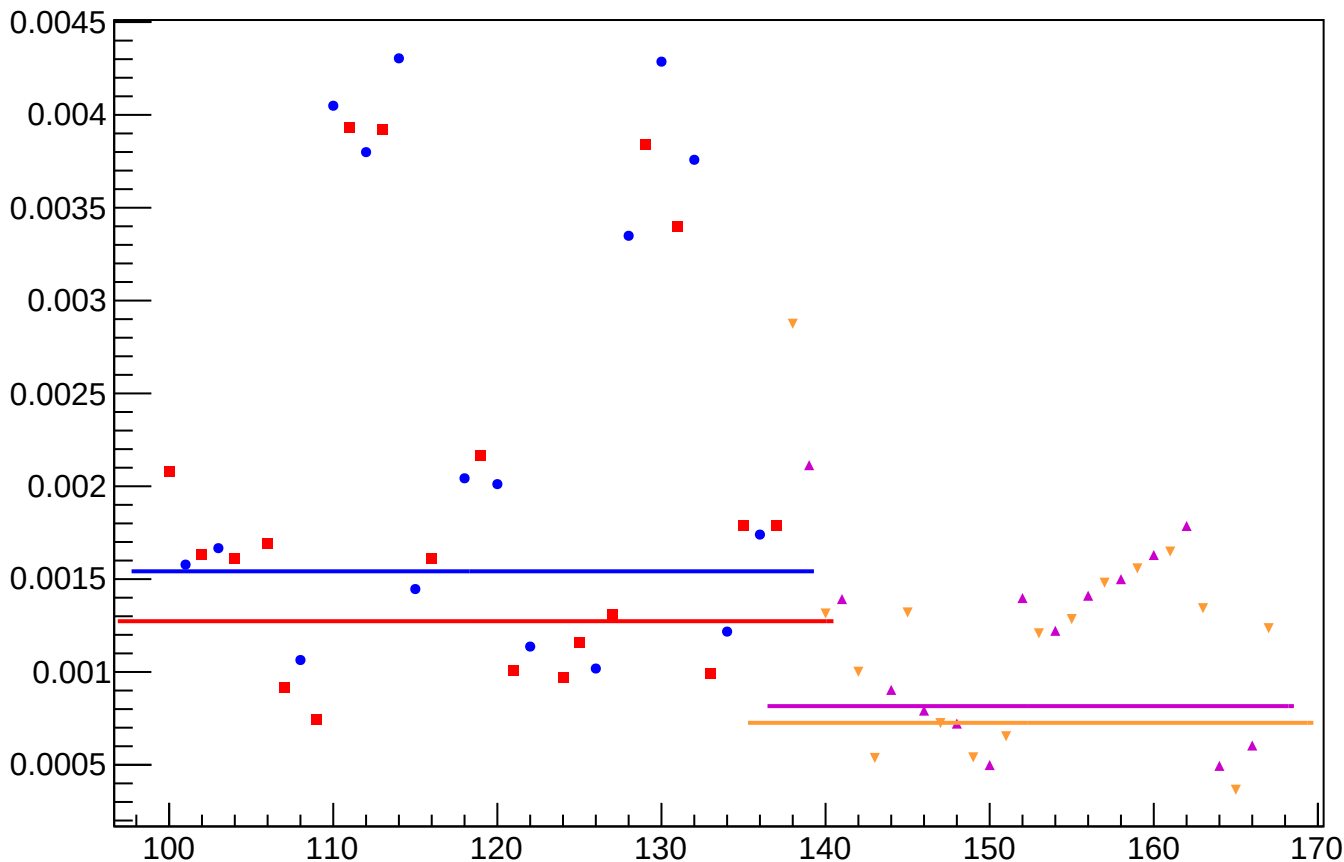
Left In: -0.000 ± 0.000 χ^2/NDF : 14.2/13

+ sign -0.000 ± 0.000 χ^2/NDF : 45.1/31

All: 0.000 ± 0.000 χ^2/NDF : 82.3/64

- sign 0.000 ± 0.000 χ^2/NDF : 37.0/32

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2416805.2/15

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5797711.0/15

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 2667436.5/18

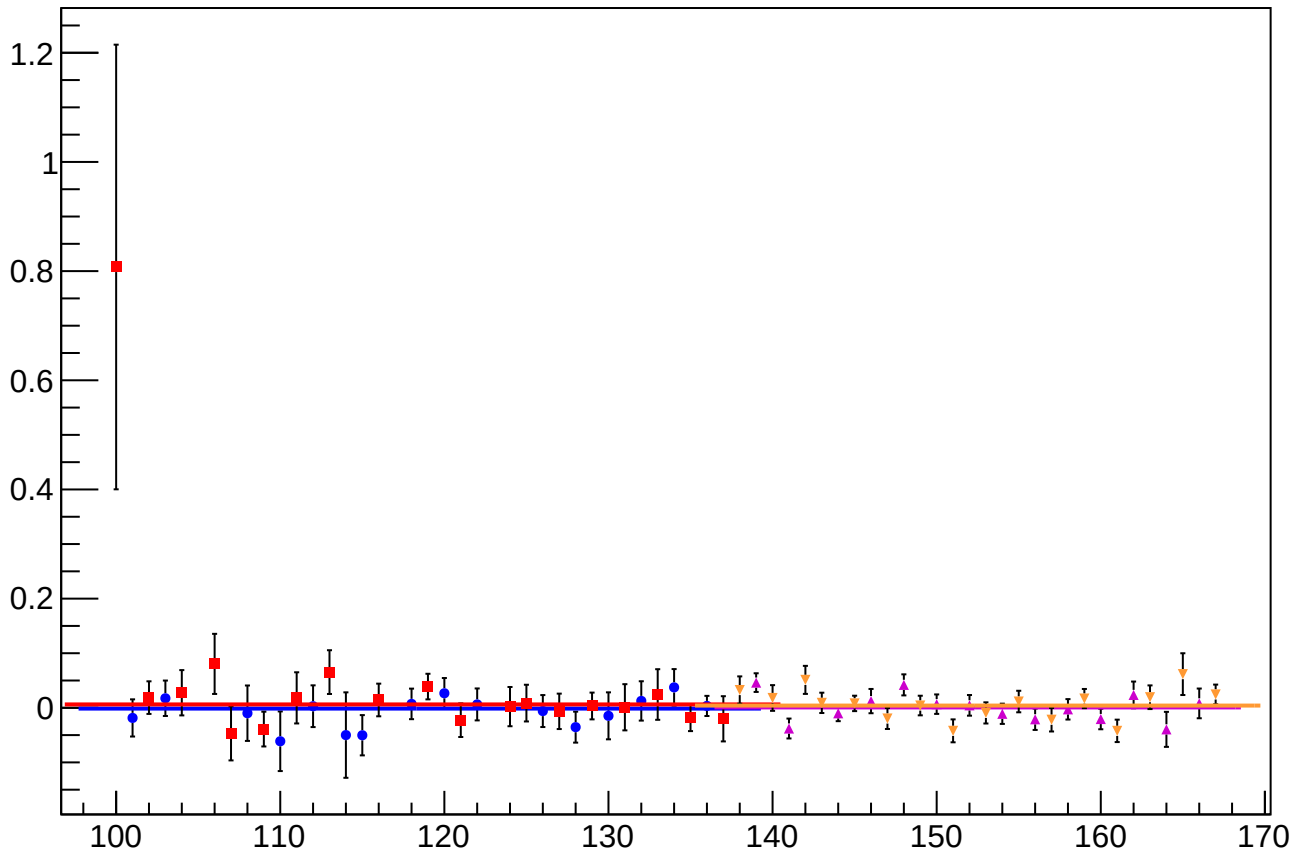
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:4090075.8/13

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 11148142.8/31

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 19242032.2/64

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 7951186.5/32

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: 0.004 ± 0.005 χ^2/NDF : 23.3/15

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

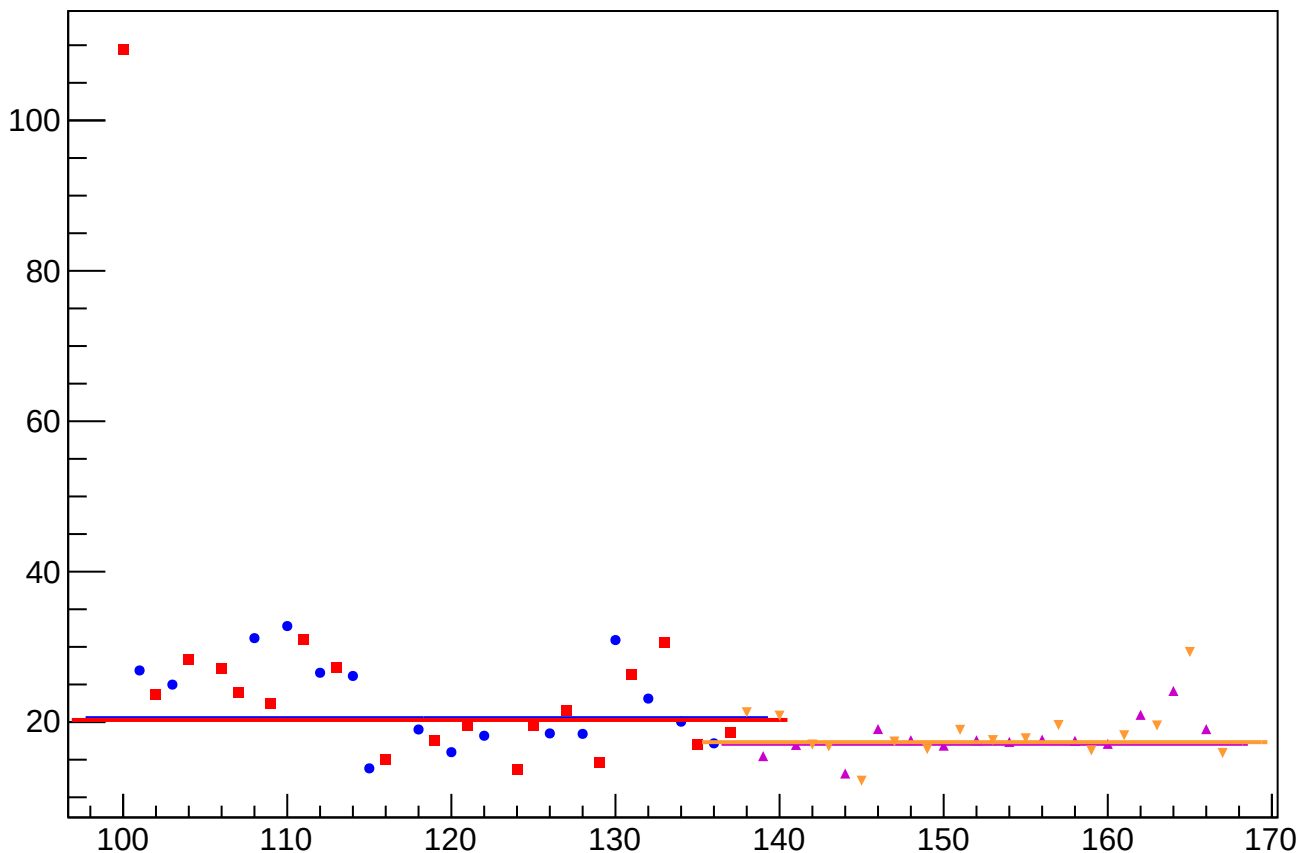
Left In: 0.001 ± 0.005 χ^2/NDF : 22.6/13

+ sign 0.003 ± 0.004 χ^2/NDF : 31.9/31

All: 0.002 ± 0.003 χ^2/NDF : 71.1/64

- sign 0.002 ± 0.004 χ^2/NDF : 39.2/32

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: 17.330 $\pm$ 0.004 χ^2 /NDF: 644172.0/15

Right Out: 20.281 $\pm$ 0.006 χ^2 /NDF: 864361.2/18

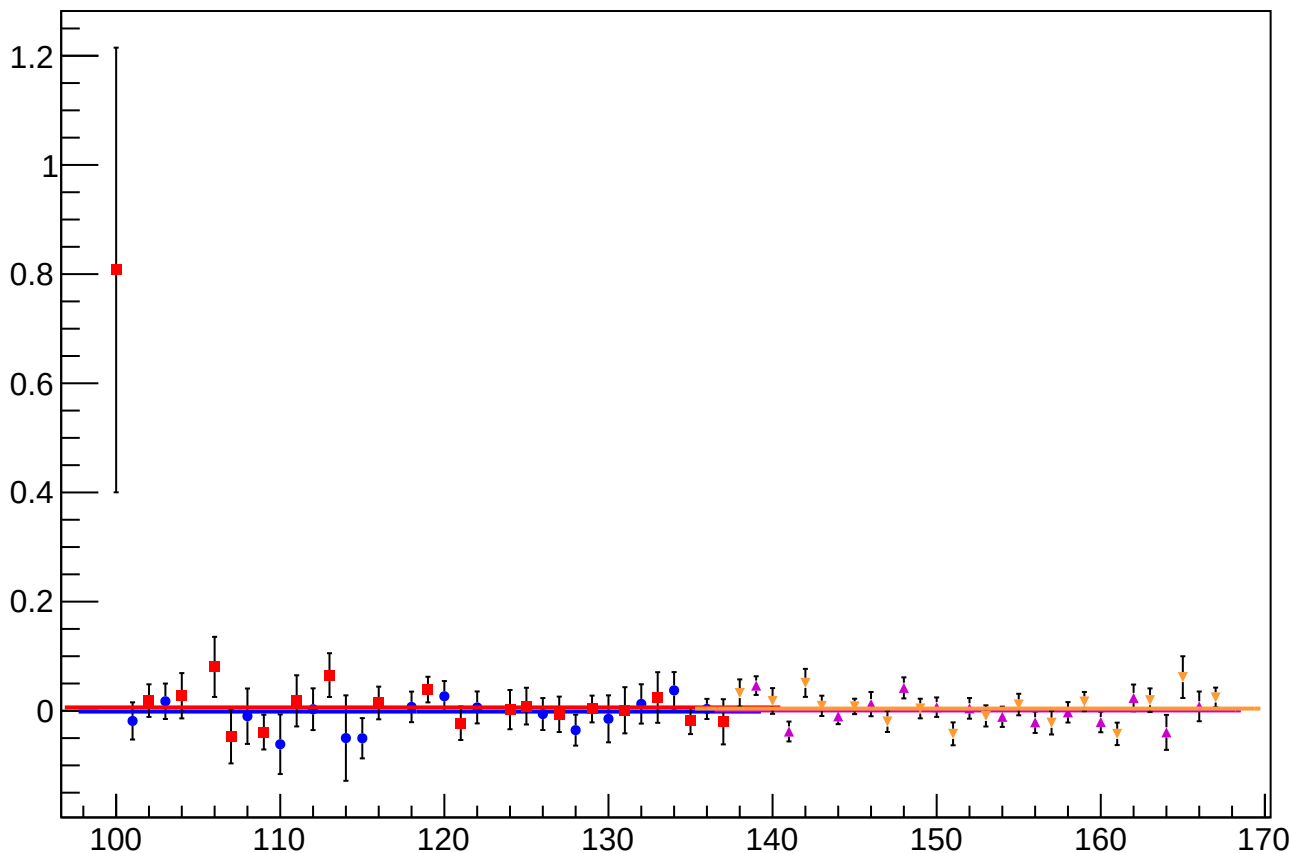
Left In: 17.111 $\pm$ 0.004 χ^2 /NDF: 345947.7/13

+ sign 18.220 $\pm$ 0.003 χ^2 /NDF: 1576056.8/31

All: 18.147 $\pm$ 0.002 χ^2 /NDF: 3013079.0/64

- sign 18.070 $\pm$ 0.003 χ^2 /NDF: 1435796.5/32

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: 0.004 ± 0.005 χ^2/NDF : 23.3/15

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

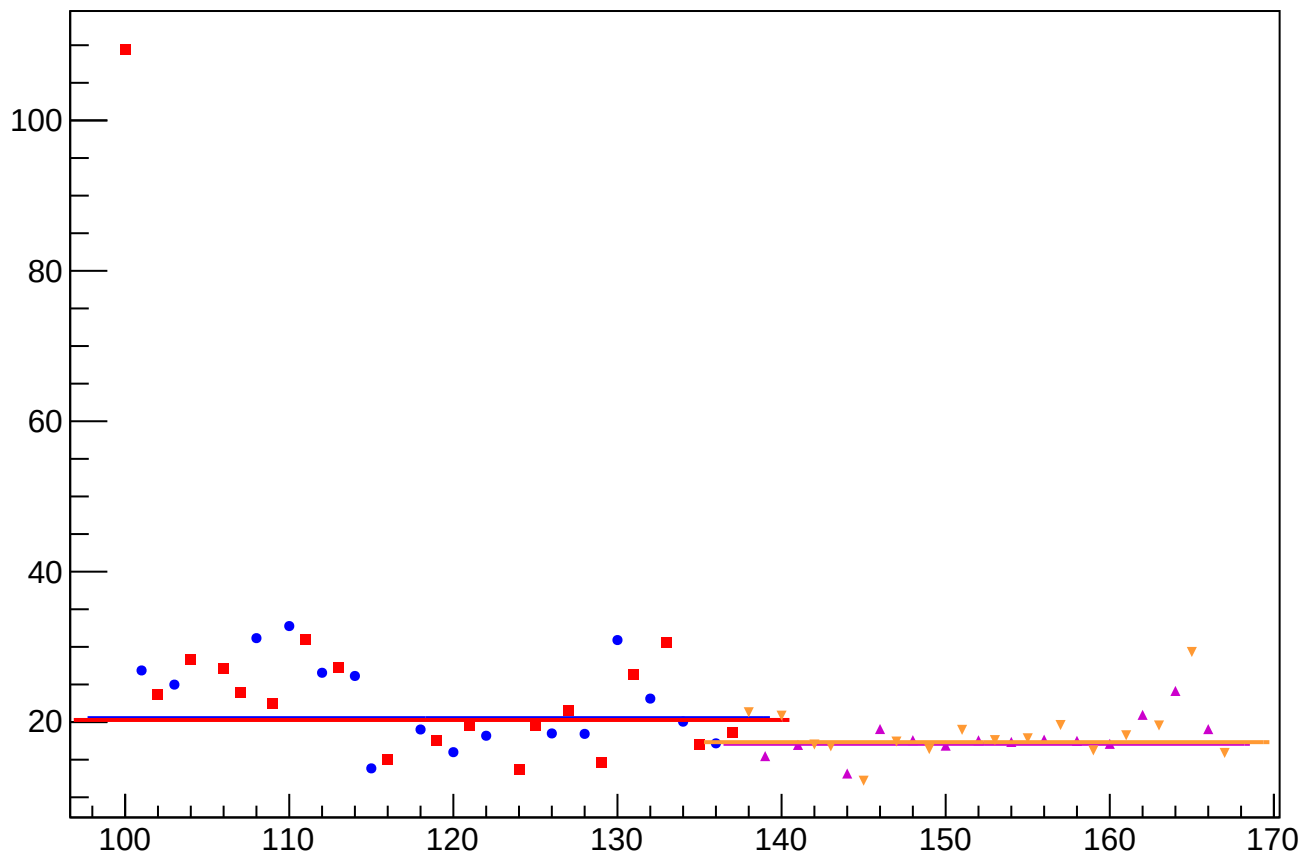
Left In: 0.001 ± 0.005 χ^2/NDF : 22.6/13

+ sign 0.003 ± 0.004 χ^2/NDF : 31.9/31

All: 0.002 ± 0.003 χ^2/NDF : 71.1/64

- sign 0.002 ± 0.004 χ^2/NDF : 39.2/32

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: 17.330+/-0.004 χ^2/NDF : 644172.0/15

Right Out: 20.281+/-0.006 χ^2/NDF : 864361.2/18

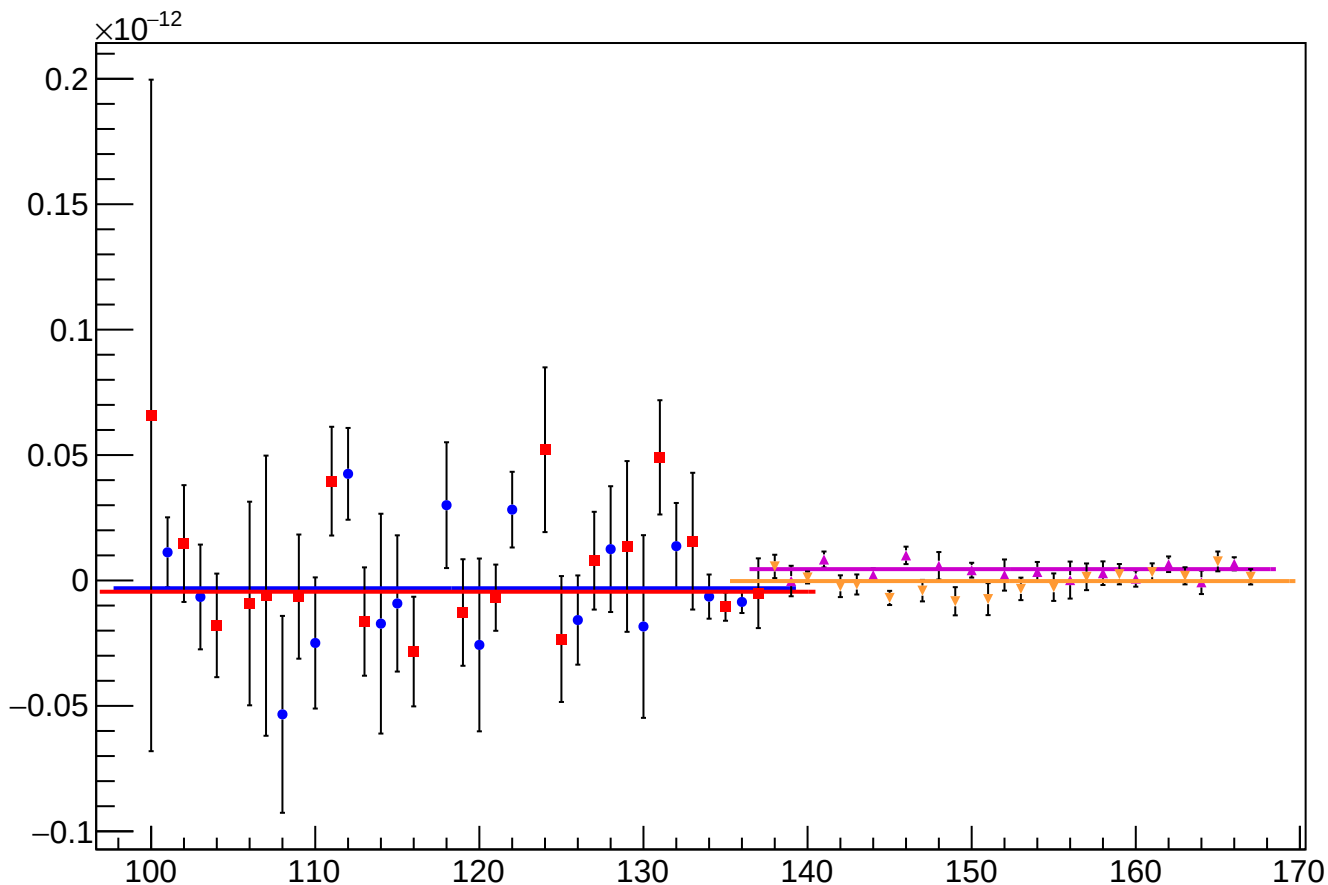
Left In: 17.111+/-0.004 χ^2/NDF : 345947.7/13

+ sign 18.220+/-0.003 χ^2/NDF : 1576056.8/31

All: 18.147+/-0.002 χ^2/NDF : 3013079.0/64

- sign 18.070+/-0.003 χ^2/NDF : 1435796.5/32

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 : 18.9/15

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.6/18

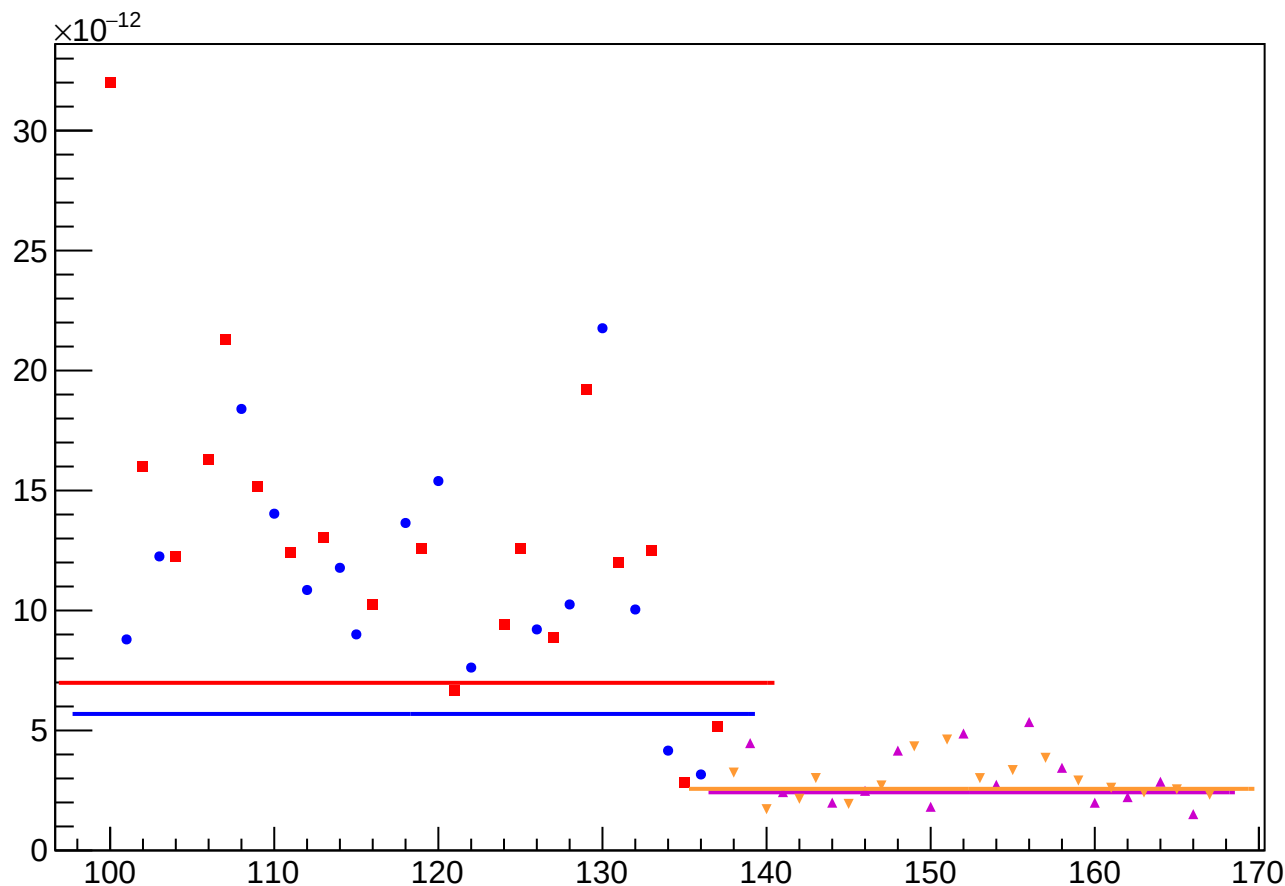
Left In: 0.000 ± 0.000 χ^2/NDF : 9.8/13

+ sign -0.000 ± 0.000 χ^2/NDF : 39.6/31

All: 0.000 ± 0.000 χ^2/NDF : 84.4/64

- sign 0.000 ± 0.000 χ^2/NDF : 33.5/32

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2705902.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1058945.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3108073.7/18

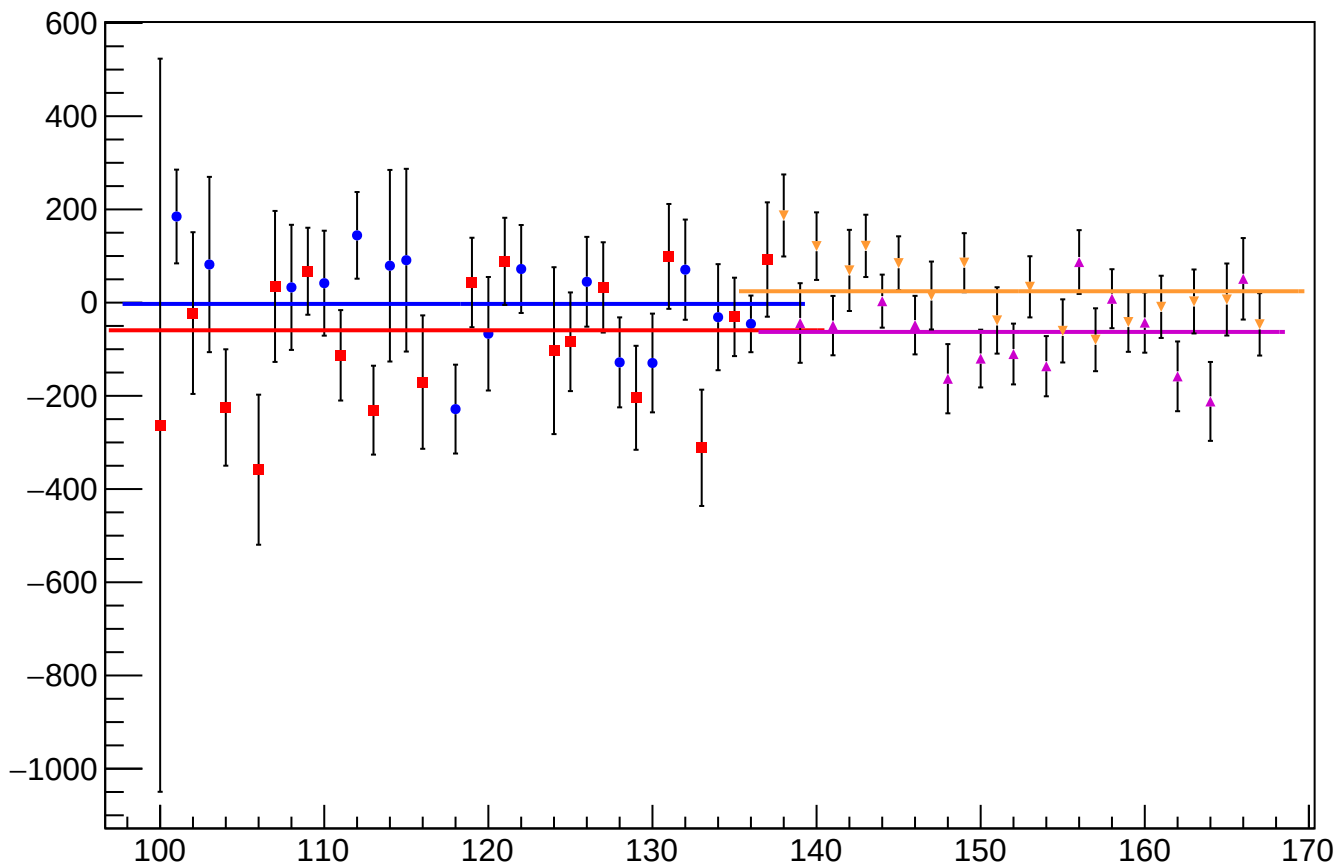
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1599108.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5456080.7/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12797435.0/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7325844.9/32

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 24.404 ± 17.270 χ^2/NDF : 17.0/15

Right Out: -59.349 ± 26.382 χ^2/NDF : 25.7/18

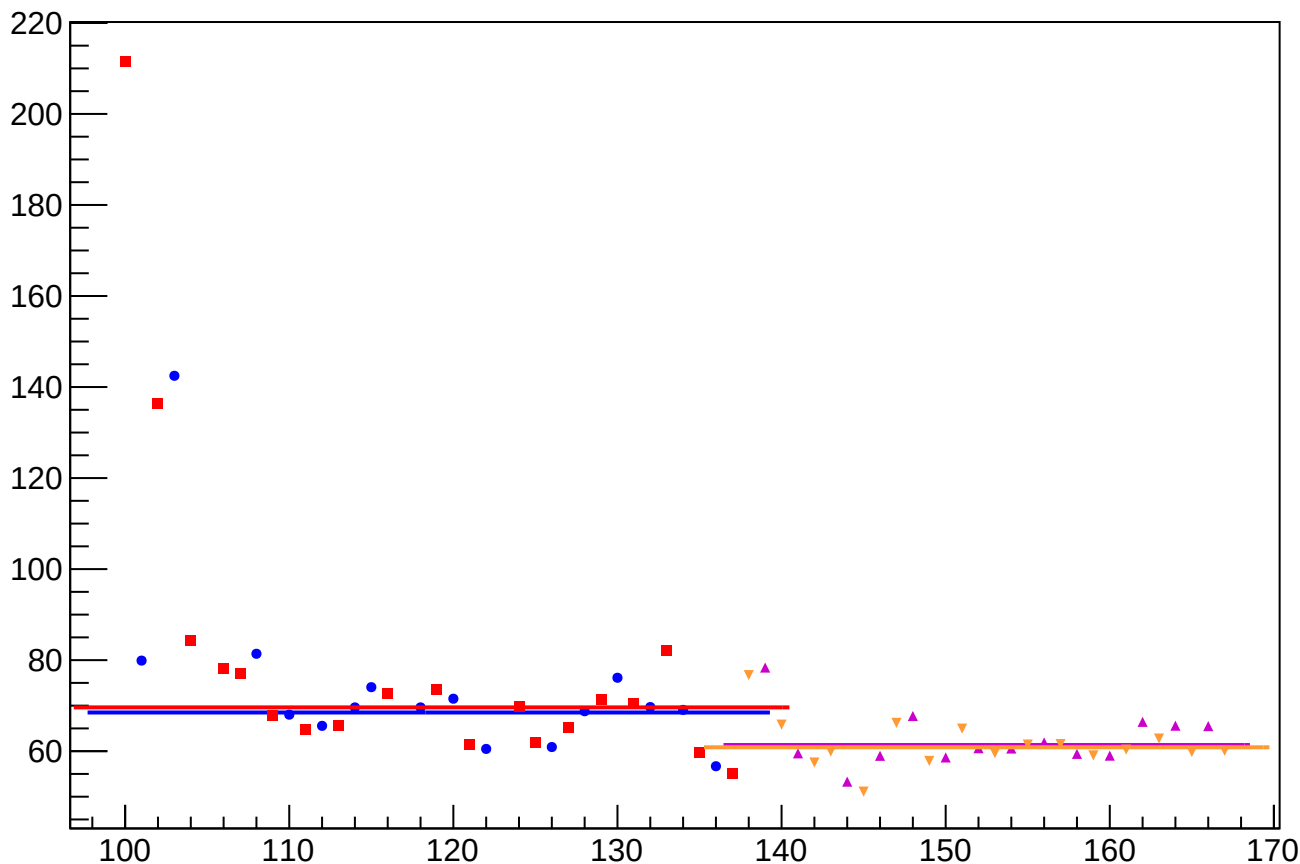
Left In: -62.876 ± 18.216 χ^2/NDF : 18.6/13

+ sign 16.180 ± 14.421 χ^2/NDF : 35.4/31

All: -21.273 ± 10.393 χ^2/NDF : 93.8/64

- sign -61.737 ± 14.990 χ^2/NDF : 44.3/32

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499 ± 0.019 $\chi^2/\text{NDF}: 471865.0/15$

Left Out: 60.851 ± 0.012 $\chi^2/\text{NDF}: 161622.6/15$

Right Out: 69.620 ± 0.019 $\chi^2/\text{NDF}: 520403.9/18$

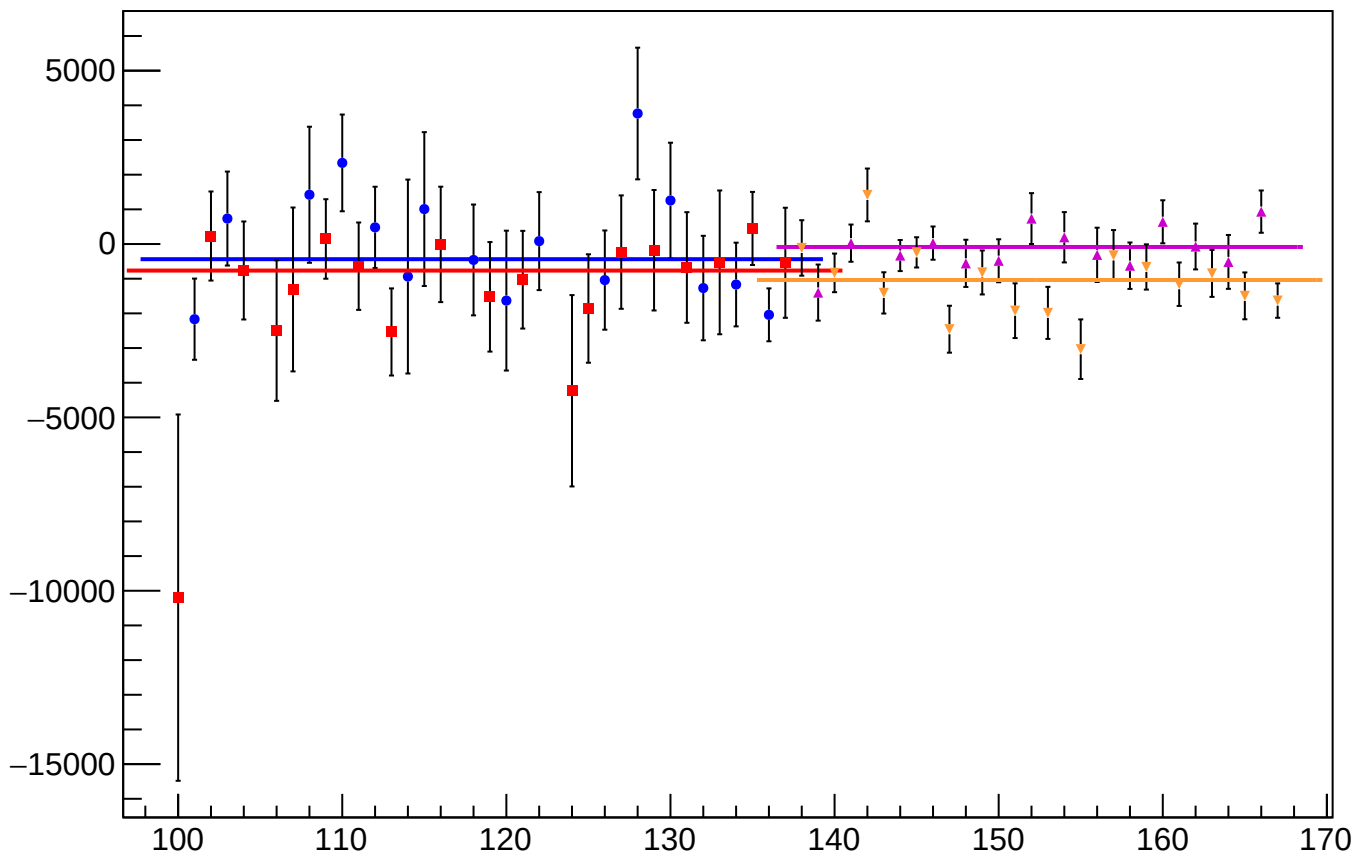
Left In: 61.359 ± 0.013 $\chi^2/\text{NDF}: 166487.5/13$

+ sign 63.166 ± 0.010 $\chi^2/\text{NDF}: 752199.0/31$

All: 63.579 ± 0.007 $\chi^2/\text{NDF}: 1575303.7/64$

- sign 64.025 ± 0.011 $\chi^2/\text{NDF}: 819687.8/32$

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -437.444 ± 348.880 χ^2/NDF : 20.6/15

Left Out: -1037.298 ± 159.725 χ^2/NDF : 31.6/15

Right Out: -765.341 ± 353.052 χ^2/NDF : 11.3/18

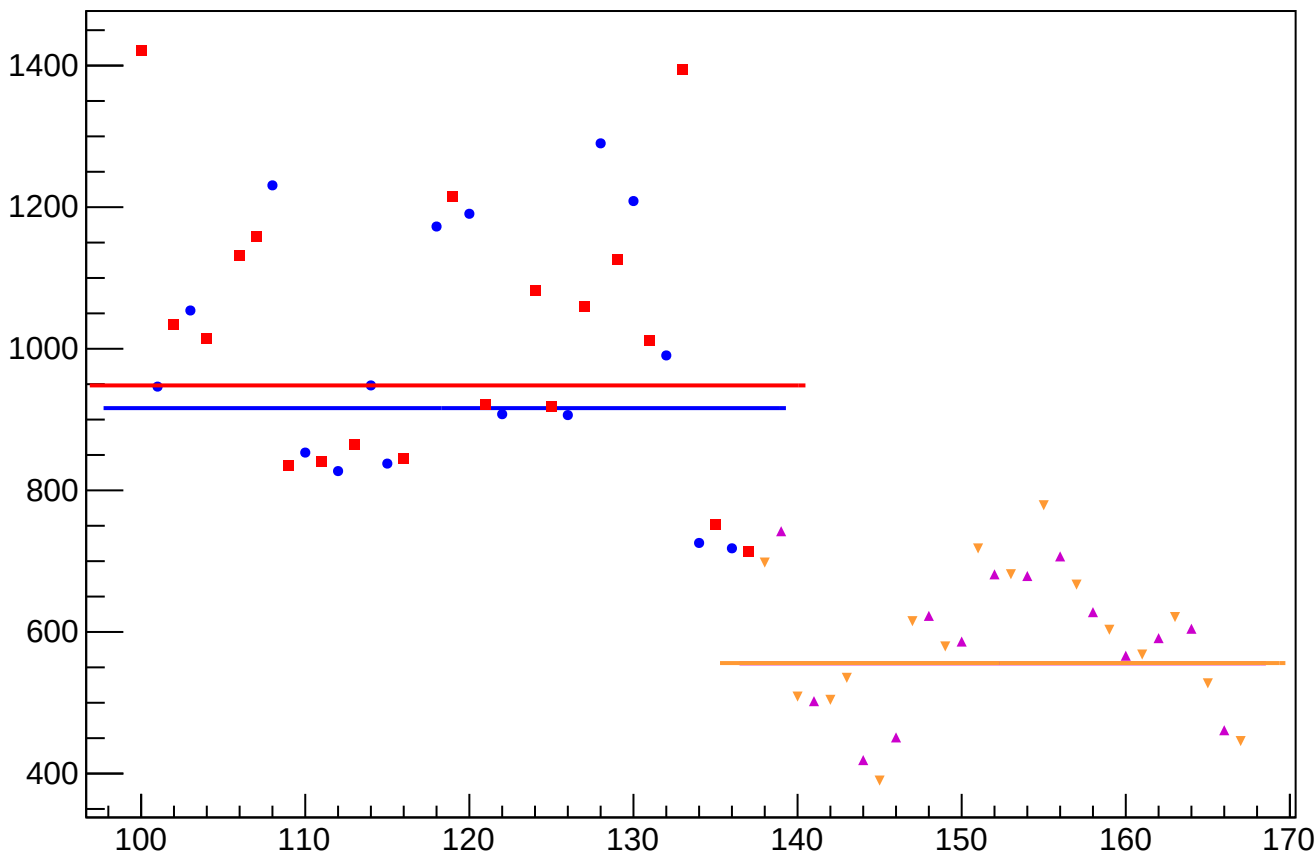
Left In: -84.973 ± 166.761 χ^2/NDF : 10.5/13

+ sign -933.354 ± 145.229 χ^2/NDF : 54.6/31

All: -584.811 ± 104.602 χ^2/NDF : 91.5/64

- sign -209.079 ± 150.787 χ^2/NDF : 24.9/32

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171 $\pm$ 0.247 χ^2 /NDF: 509126.4/15

Left Out: 556.064 $\pm$ 0.113 χ^2 /NDF: 849237.3/15

Right Out: 948.235 $\pm$ 0.250 χ^2 /NDF: 415192.3/18

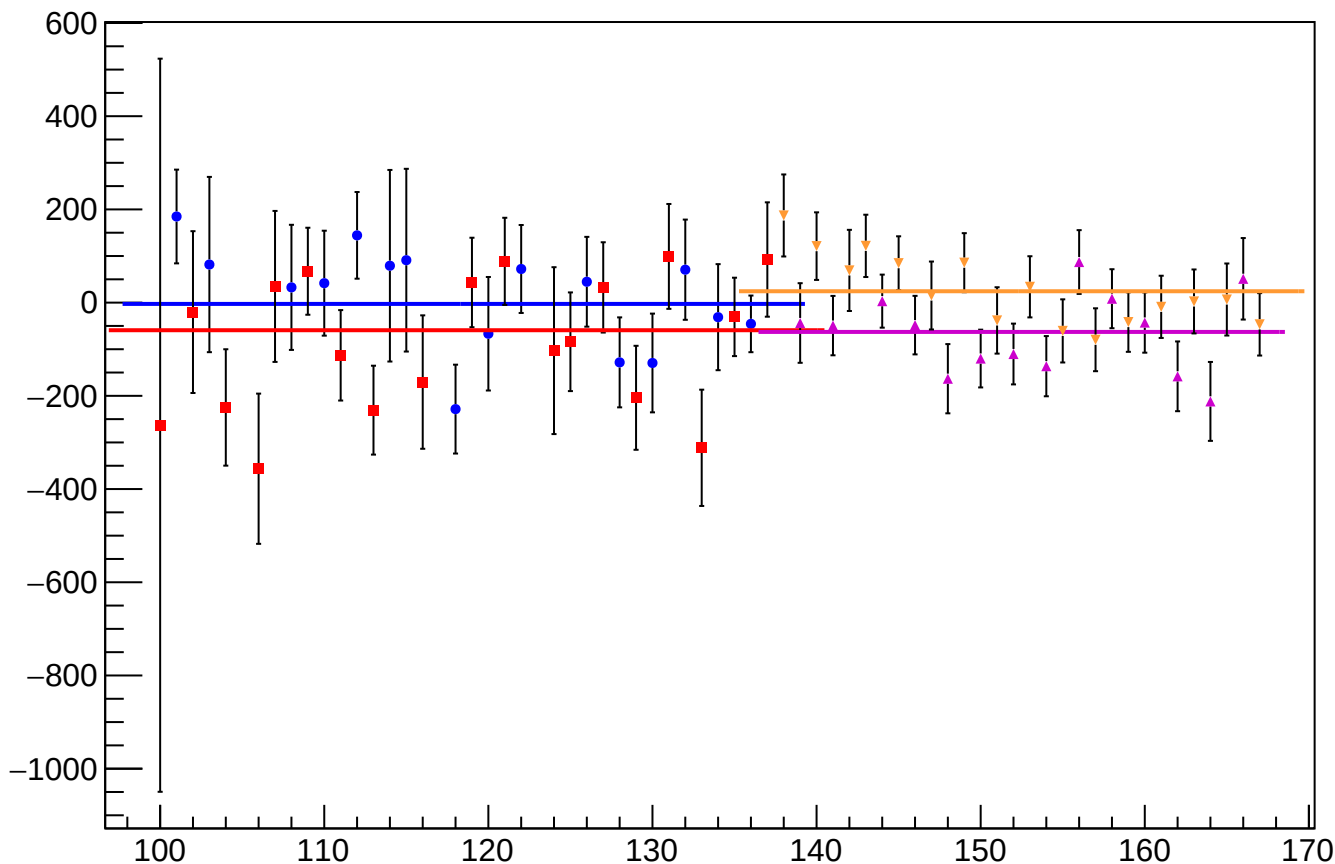
Left In: 555.675 $\pm$ 0.118 χ^2 /NDF: 708796.9/13

+ sign 618.464 $\pm$ 0.103 χ^2 /NDF: 3119927.1/31

All: 622.707 $\pm$ 0.074 χ^2 /NDF: 6269093.6/64

- sign 627.282 $\pm$ 0.107 χ^2 /NDF: 3145618.5/32

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 24.407 ± 17.270 χ^2/NDF : 17.0/15

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

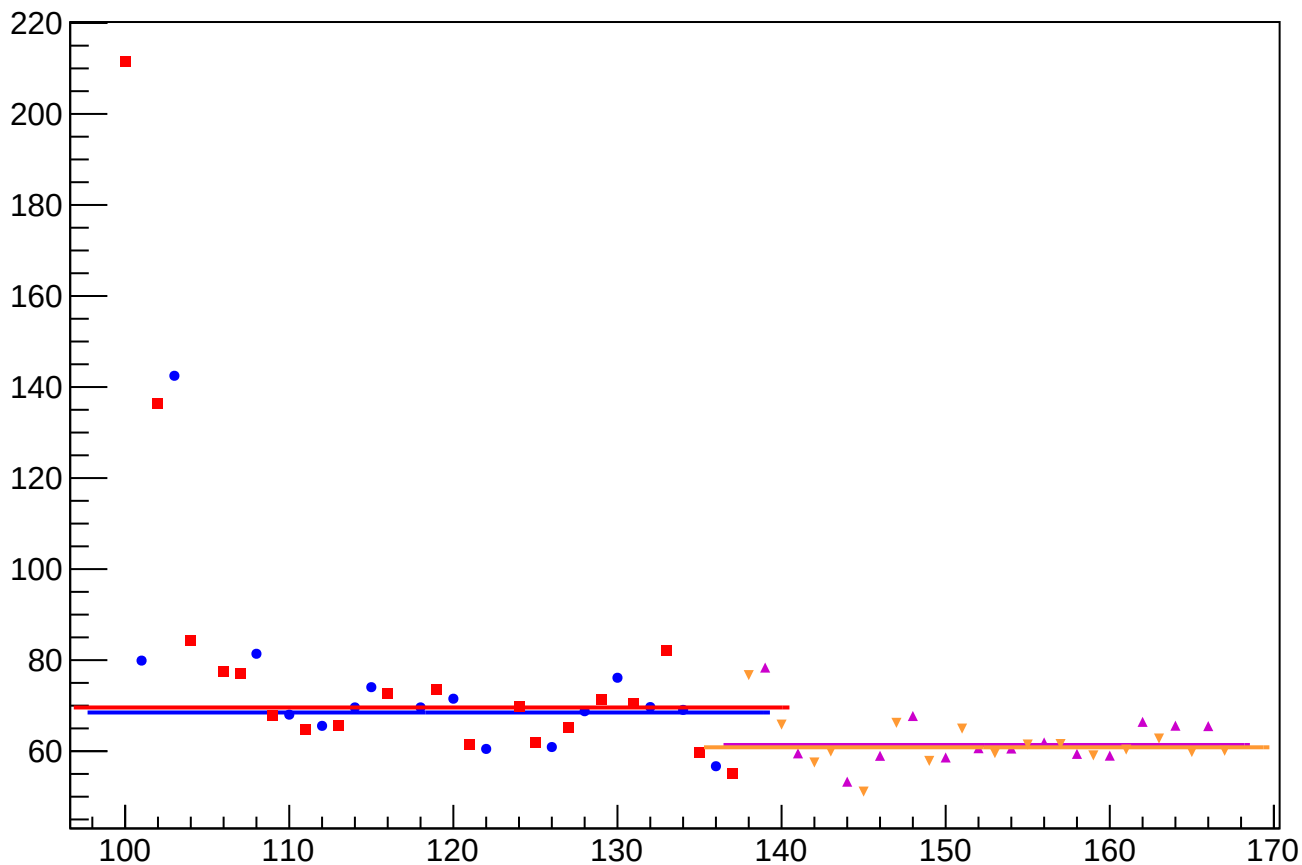
Left In: -62.876 ± 18.216 χ^2/NDF : 18.6/13

+ sign 16.180 ± 14.421 χ^2/NDF : 35.4/31

All: -21.254 ± 10.393 χ^2/NDF : 93.7/64

- sign -61.698 ± 14.990 χ^2/NDF : 44.3/32

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2 /NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2 /NDF:161622.6/15

Right Out: 69.600+/-0.019 χ^2 /NDF: 519788.9/18

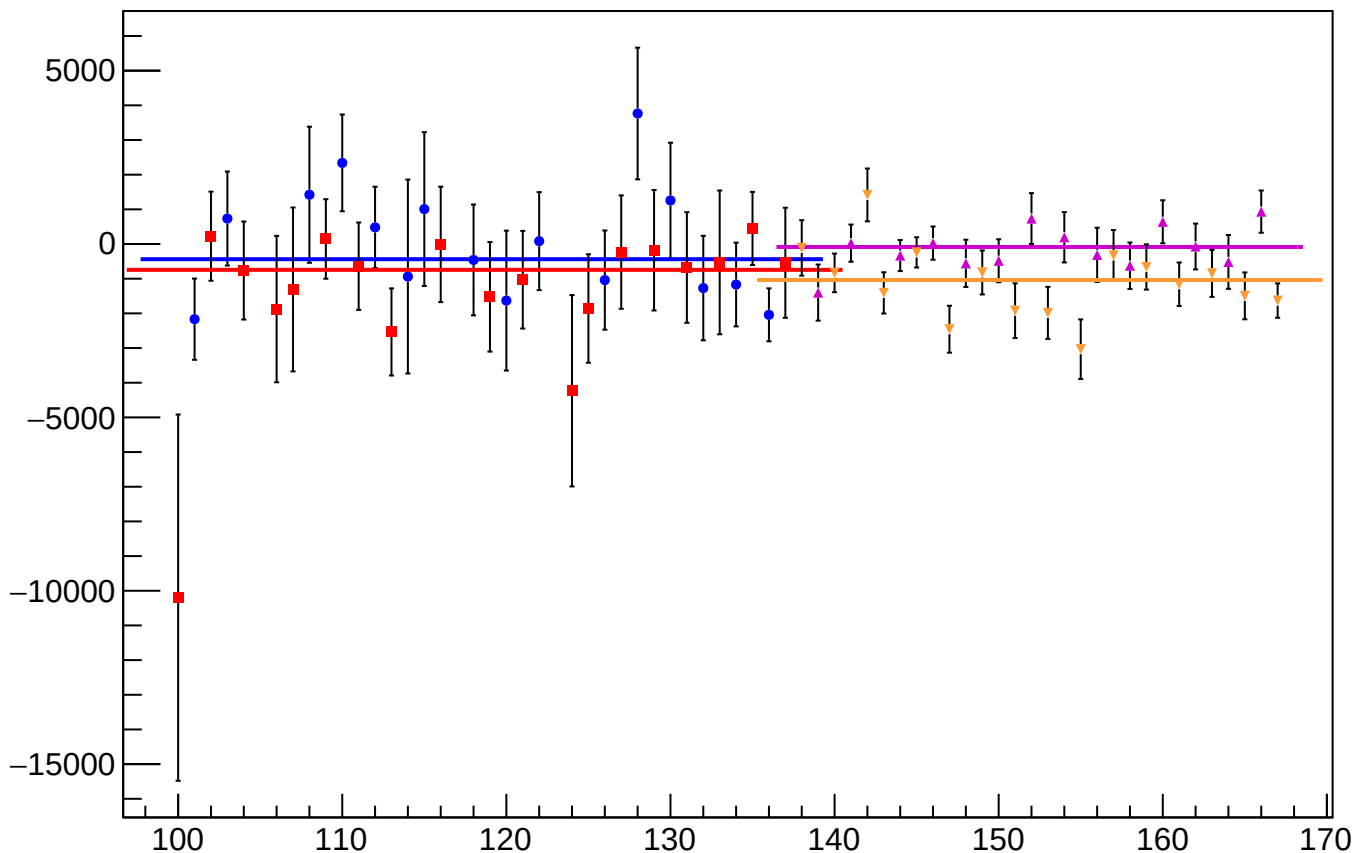
Left In: 61.359+/-0.013 χ^2 /NDF:166487.5/13

+ sign 63.166+/-0.010 χ^2 /NDF: 752202.0/31

All: 63.576+/-0.007 χ^2 /NDF: 1574015.7/64

- sign 64.019+/-0.011 χ^2 /NDF: 818447.2/32

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -437.415 $\pm$ 348.881 χ^2 /NDF: 20.6/15

Left Out: -1037.291 $\pm$ 159.725 χ^2 /NDF:31.6/15

Right Out: -744.388 $\pm$ 353.488 χ^2 /NDF: 10.9/18

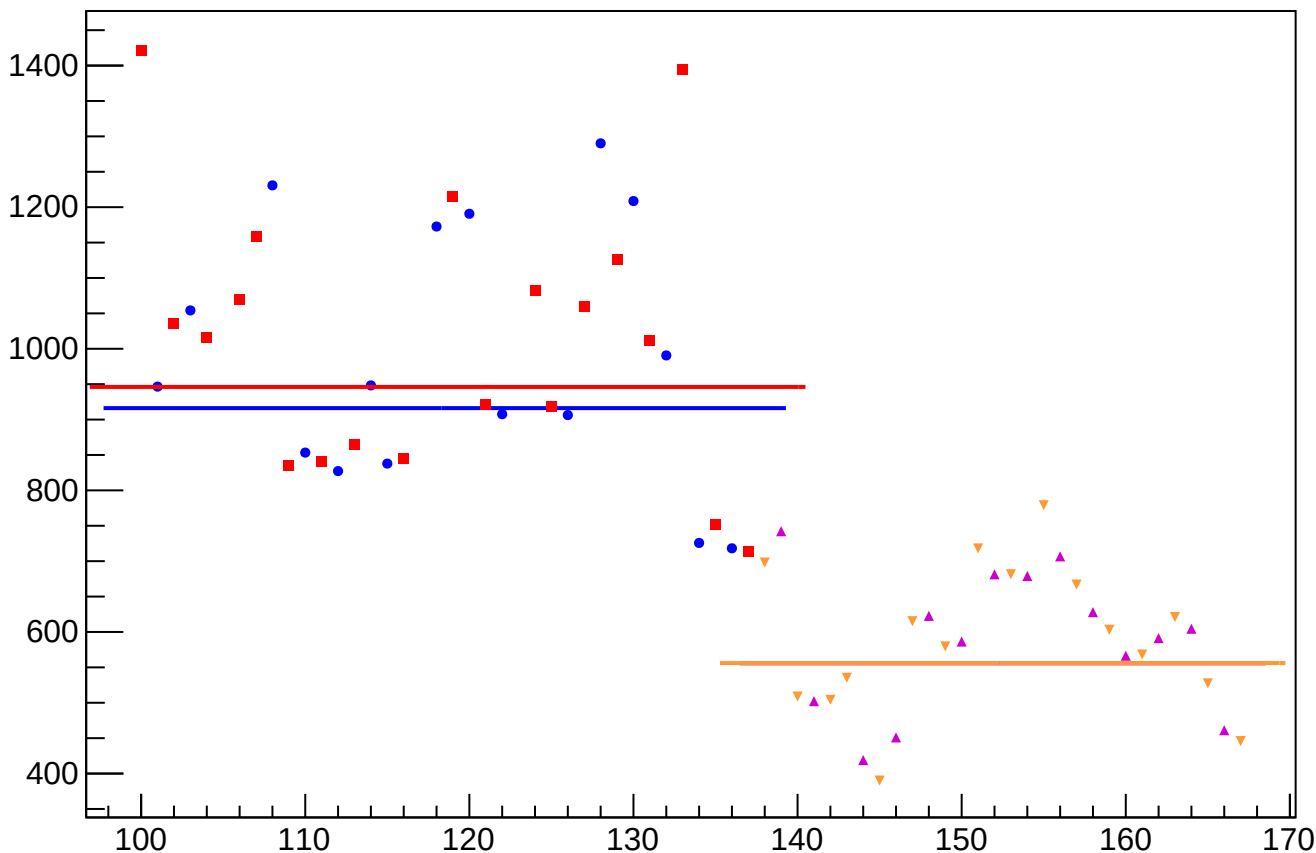
Left In: -84.975 $\pm$ 166.761 χ^2 /NDF:10.5/13

+ sign -933.344 $\pm$ 145.229 χ^2 /NDF: 54.6/31

All: -582.932 $\pm$ 104.613 χ^2 /NDF: 91.0/64

- sign -205.016 $\pm$ 150.821 χ^2 /NDF: 24.3/32

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174 $\pm$ 0.247 χ^2 /NDF: 509149.2/15

Left Out: 556.064 $\pm$ 0.113 χ^2 /NDF: 849241.8/15

Right Out: 946.093 $\pm$ 0.250 χ^2 /NDF: 405411.3/18

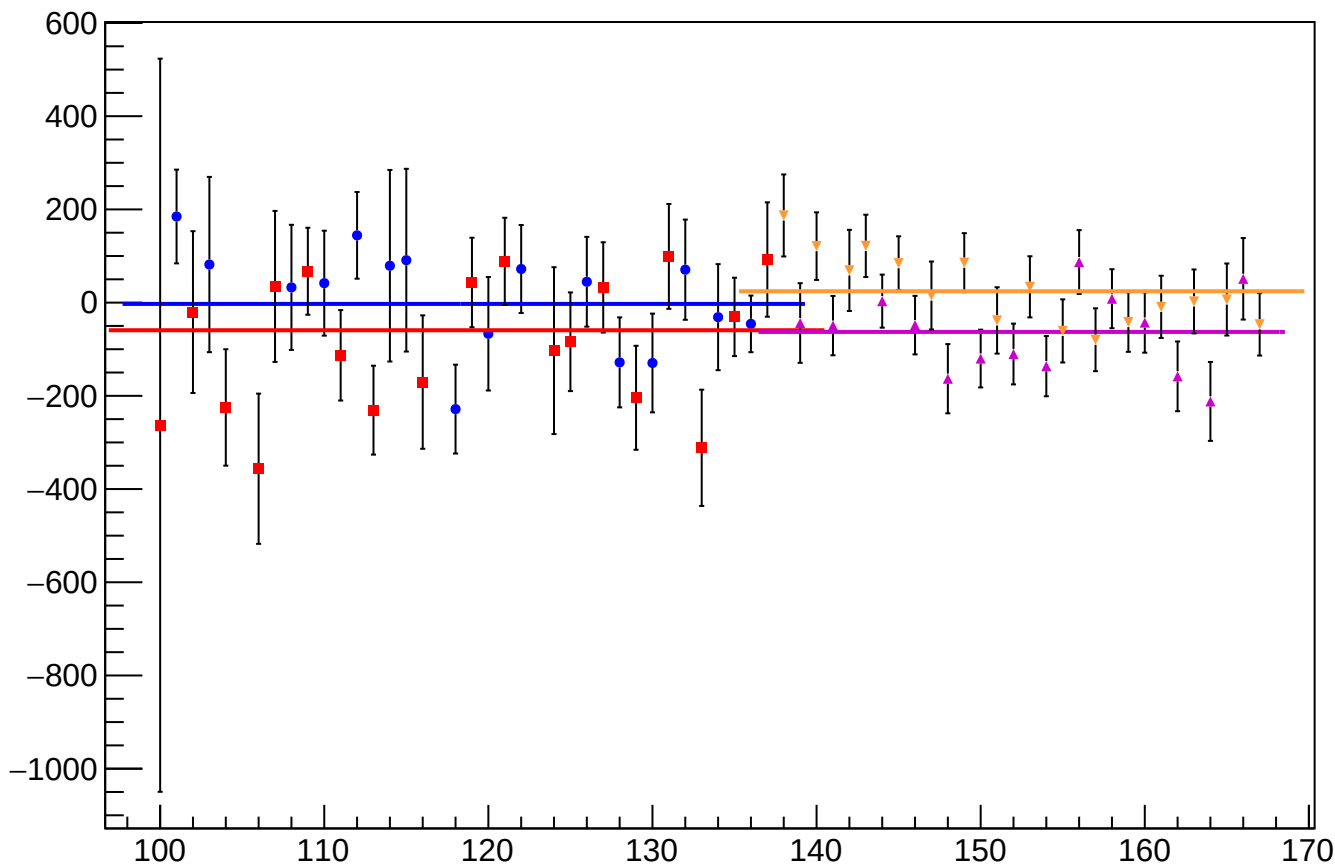
Left In: 555.675 $\pm$ 0.118 χ^2 /NDF: 708794.7/13

+ sign 618.464 $\pm$ 0.103 χ^2 /NDF: 3119979.8/31

All: 622.449 $\pm$ 0.074 χ^2 /NDF: 6232903.8/64

- sign 626.747 $\pm$ 0.107 χ^2 /NDF: 3109793.5/32

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 24.407 ± 17.270 χ^2/NDF : 17.0/15

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

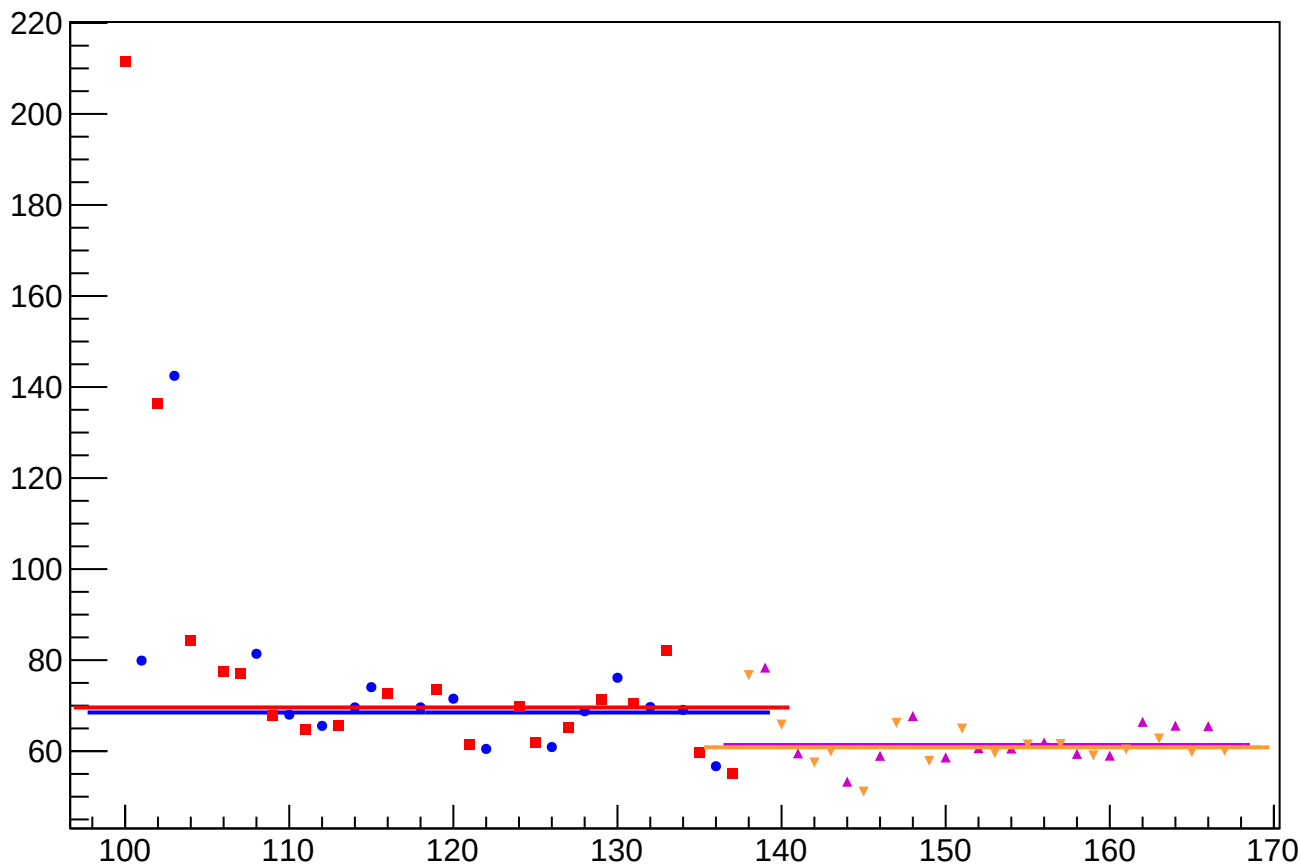
Left In: -62.876 ± 18.216 χ^2/NDF : 18.6/13

+ sign 16.180 ± 14.421 χ^2/NDF : 35.4/31

All: -21.254 ± 10.393 χ^2/NDF : 93.7/64

- sign -61.698 ± 14.990 χ^2/NDF : 44.3/32

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499 ± 0.019 χ^2/NDF : 471868.0/15

Left Out: 60.851 ± 0.012 χ^2/NDF : 161622.6/15

Right Out: 69.600 ± 0.019 χ^2/NDF : 519788.9/18

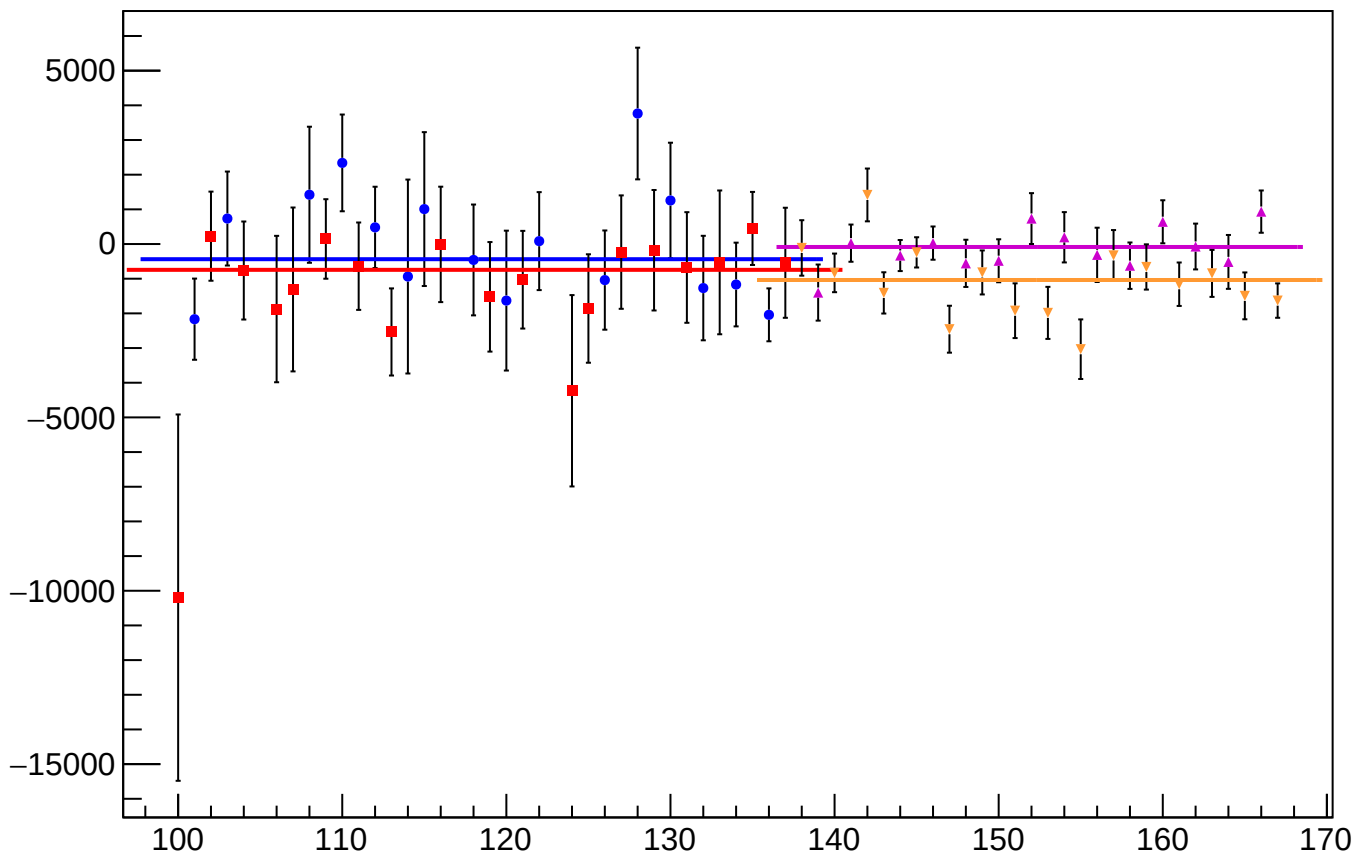
Left In: 61.359 ± 0.013 χ^2/NDF : 166487.5/13

+ sign 63.166 ± 0.010 χ^2/NDF : 752202.0/31

All: 63.576 ± 0.007 χ^2/NDF : 1574015.7/64

- sign 64.019 ± 0.011 χ^2/NDF : 818447.2/32

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -437.415 $\pm$ 348.881 χ^2 /NDF: 20.6/15

Left Out: -1037.291 $\pm$ 159.725 χ^2 /NDF:31.6/15

Right Out: -744.388 $\pm$ 353.488 χ^2 /NDF: 10.9/18

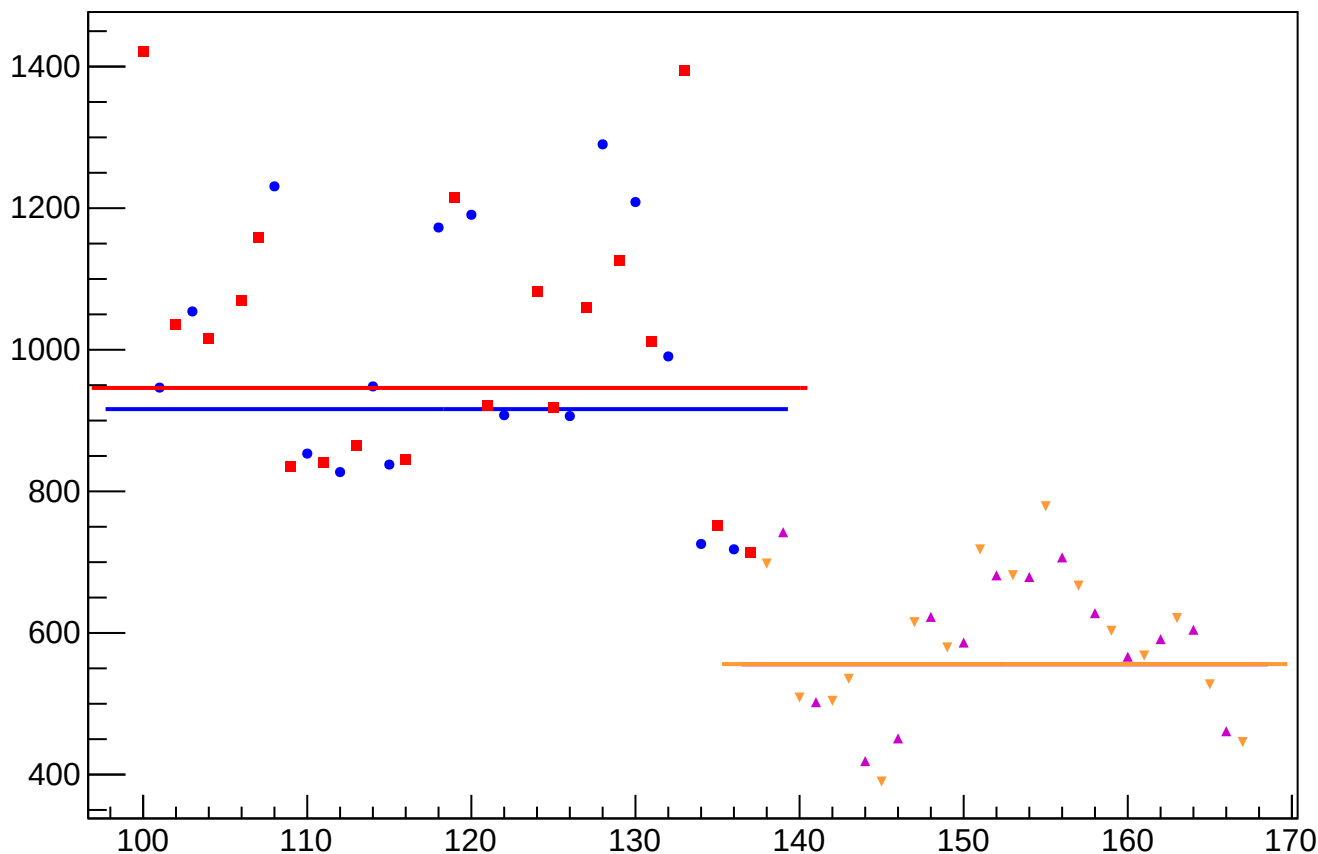
Left In: -84.975 $\pm$ 166.761 χ^2 /NDF:10.5/13

+ sign -933.344 $\pm$ 145.229 χ^2 /NDF: 54.6/31

All: -582.932 $\pm$ 104.613 χ^2 /NDF: 91.0/64

- sign -205.016 $\pm$ 150.821 χ^2 /NDF: 24.3/32

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 916.174 $\pm$ 0.247 χ^2 /NDF: 509149.2/15

Left Out: 556.064 $\pm$ 0.113 χ^2 /NDF: 849241.8/15

Right Out: 946.093 $\pm$ 0.250 χ^2 /NDF: 405411.3/18

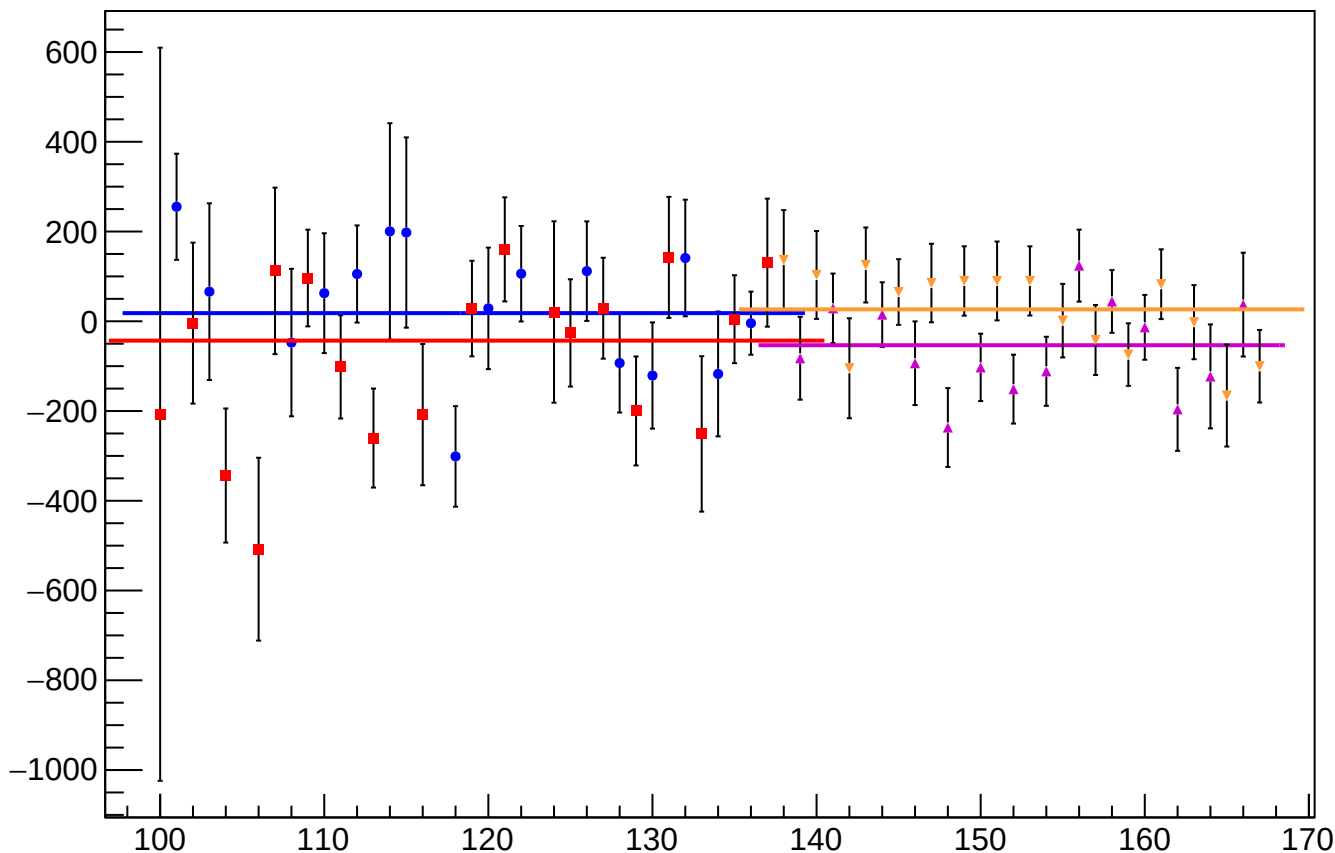
Left In: 555.675 $\pm$ 0.118 χ^2 /NDF: 708794.7/13

+ sign 618.464 $\pm$ 0.103 χ^2 /NDF: 3119979.8/31

All: 622.449 $\pm$ 0.074 χ^2 /NDF: 6232903.8/64

- sign 626.747 $\pm$ 0.107 χ^2 /NDF: 3109793.5/32

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175 ± 30.346 χ^2/NDF : 20.1/15

Left Out: 26.545 ± 21.068 χ^2/NDF : 15.9/15

Right Out: -43.146 ± 30.707 χ^2/NDF : 27.7/18

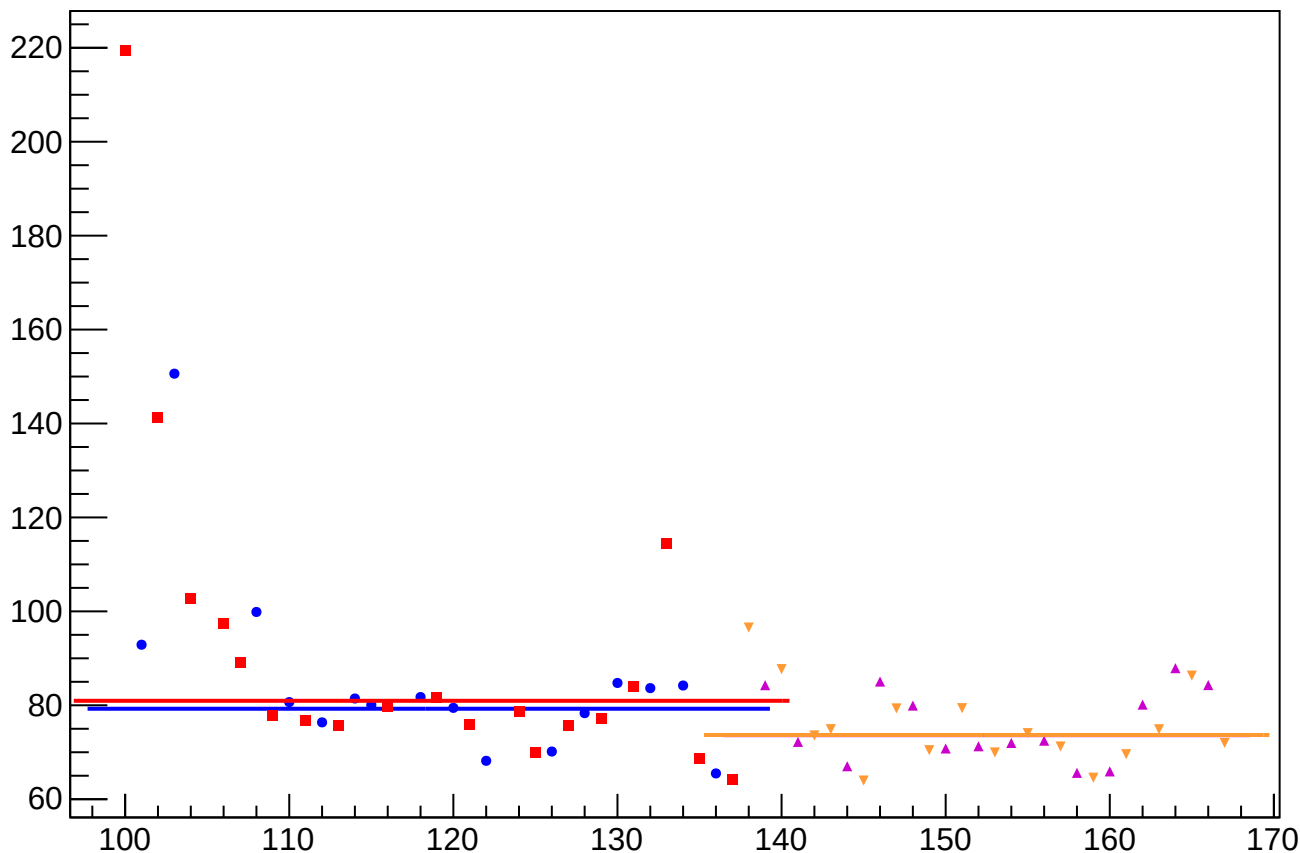
Left In: -53.366 ± 22.053 χ^2/NDF : 19.8/13

+ sign 23.823 ± 17.306 χ^2/NDF : 36.1/31

All: -11.765 ± 12.446 χ^2/NDF : 92.4/64

- sign -49.888 ± 17.913 χ^2/NDF : 47.6/32

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 ± 0.021 $\chi^2/\text{NDF}: 444951.1/15$

Left Out: 73.672 ± 0.015 $\chi^2/\text{NDF}: 253952.3/15$

Right Out: 80.958 ± 0.022 $\chi^2/\text{NDF}: 514182.4/18$

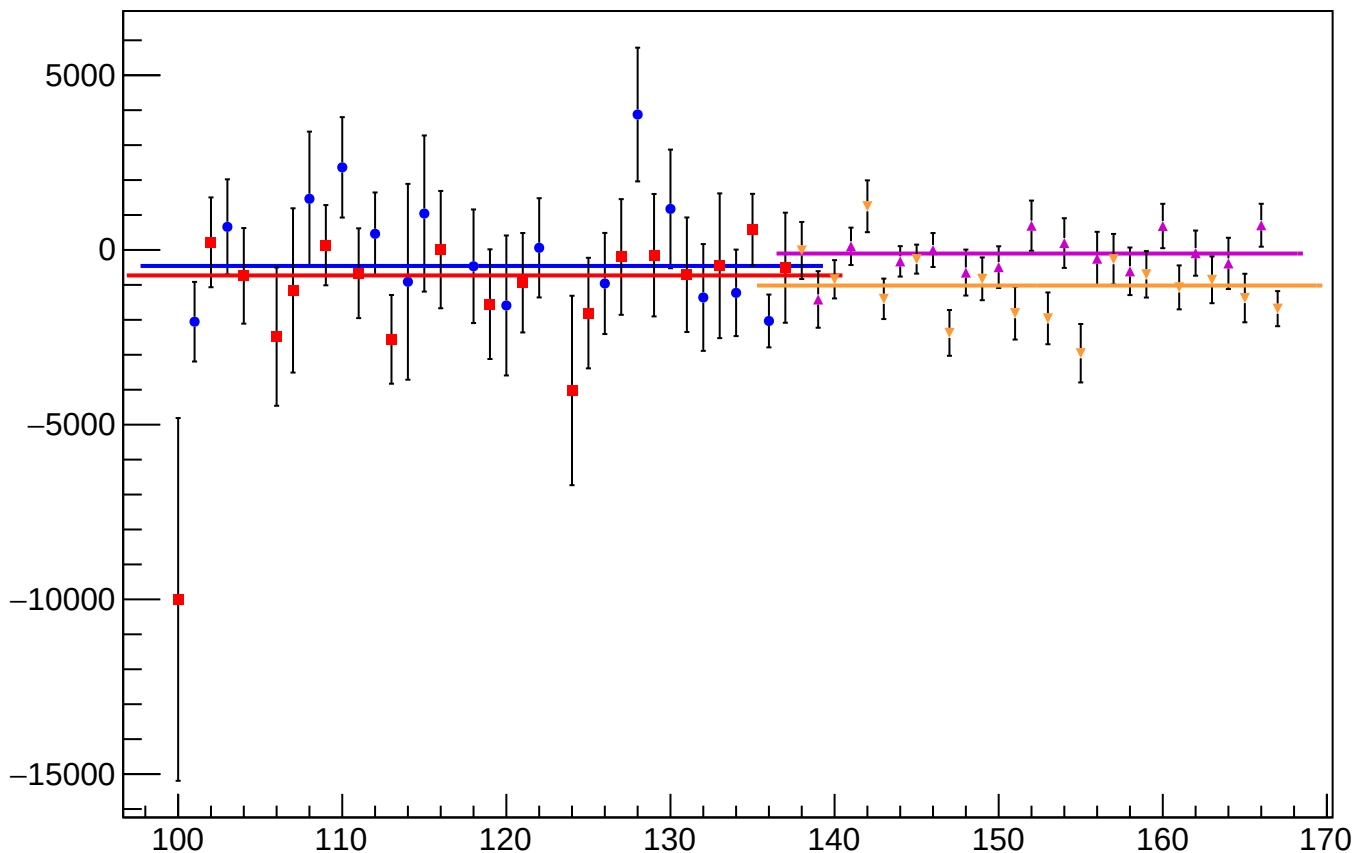
Left In: 73.637 ± 0.016 $\chi^2/\text{NDF}: 196919.6/13$

+ sign 75.490 ± 0.012 $\chi^2/\text{NDF}: 744718.7/31$

All: 75.798 ± 0.009 $\chi^2/\text{NDF}: 1532135.6/64$

- sign 76.128 ± 0.013 $\chi^2/\text{NDF}: 786103.7/32$

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -458.108 $\pm$ 350.075 χ^2 /NDF: 20.3/15

Left Out: -1018.254 $\pm$ 157.283 χ^2 /NDF:30.6/15

Right Out: -728.750 $\pm$ 352.574 χ^2 /NDF: 11.5/18

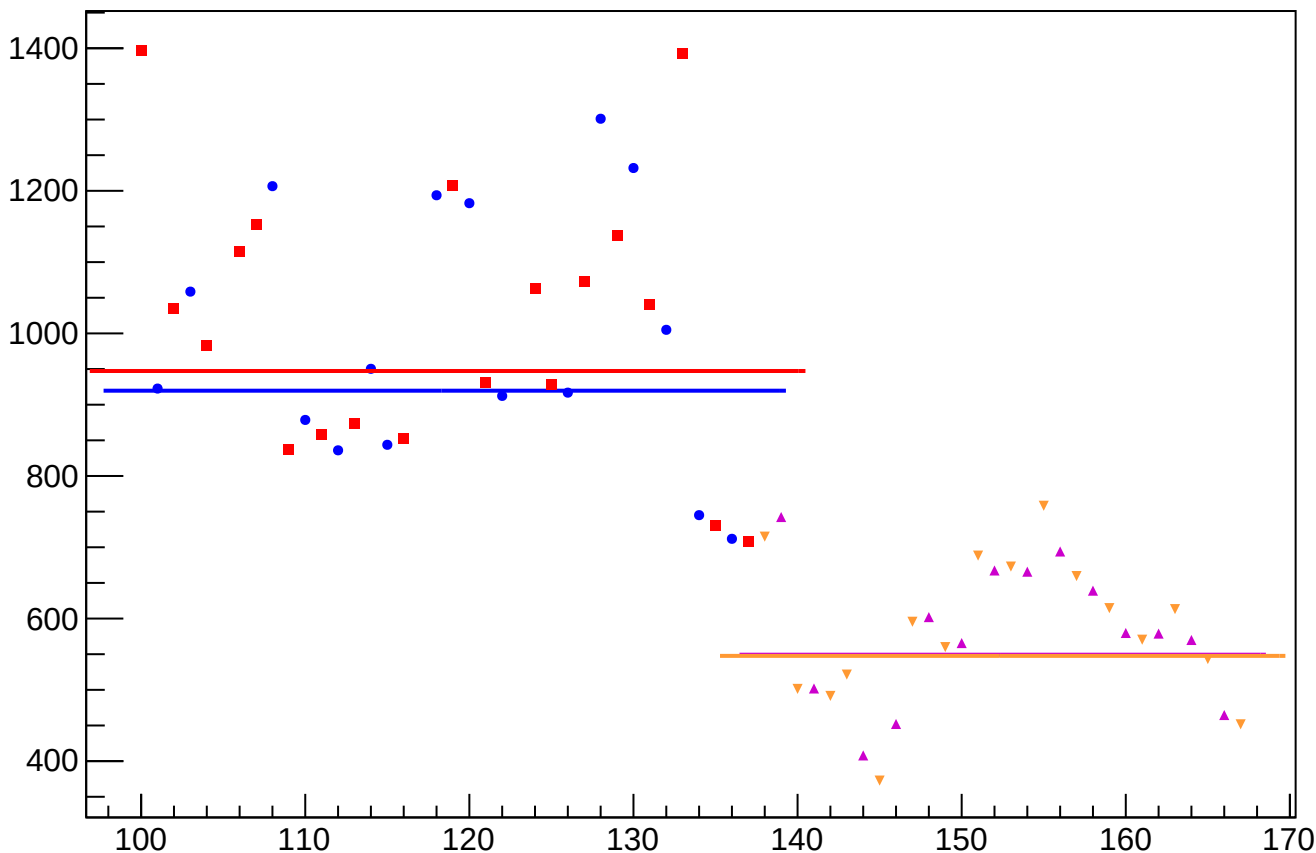
Left In: -102.580 $\pm$ 164.880 χ^2 /NDF:9.6/13

+ sign -924.176 $\pm$ 143.468 χ^2 /NDF: 53.0/31

All: -583.815 $\pm$ 103.466 χ^2 /NDF: 88.4/64

- sign -214.946 $\pm$ 149.356 χ^2 /NDF: 23.7/32

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638 $\pm$ 0.248 χ^2 /NDF: 515443.8/15

Left Out: 547.648 $\pm$ 0.111 χ^2 /NDF: 897422.3/15

Right Out: 947.272 $\pm$ 0.249 χ^2 /NDF: 425563.8/18

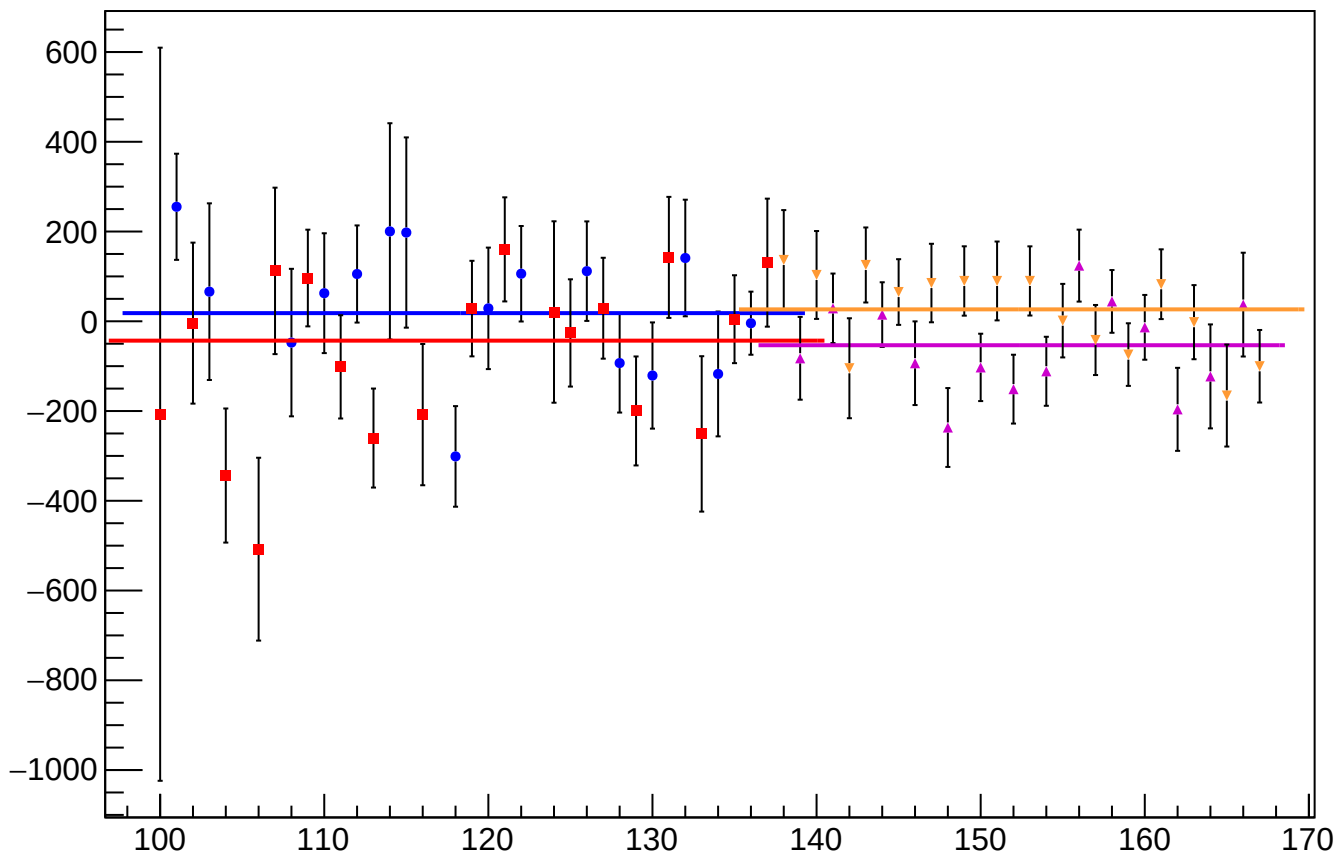
Left In: 549.289 $\pm$ 0.117 χ^2 /NDF: 696312.8/13

+ sign 610.125 $\pm$ 0.101 χ^2 /NDF: 3291831.8/31

All: 615.203 $\pm$ 0.073 χ^2 /NDF: 6509983.2/64

- sign 620.707 $\pm$ 0.106 χ^2 /NDF: 3212930.0/32

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175 ± 30.346 χ^2/NDF : 20.1/15

Left Out: 26.547 ± 21.069 χ^2/NDF : 15.9/15

Right Out: -43.144 ± 30.707 χ^2/NDF : 27.7/18

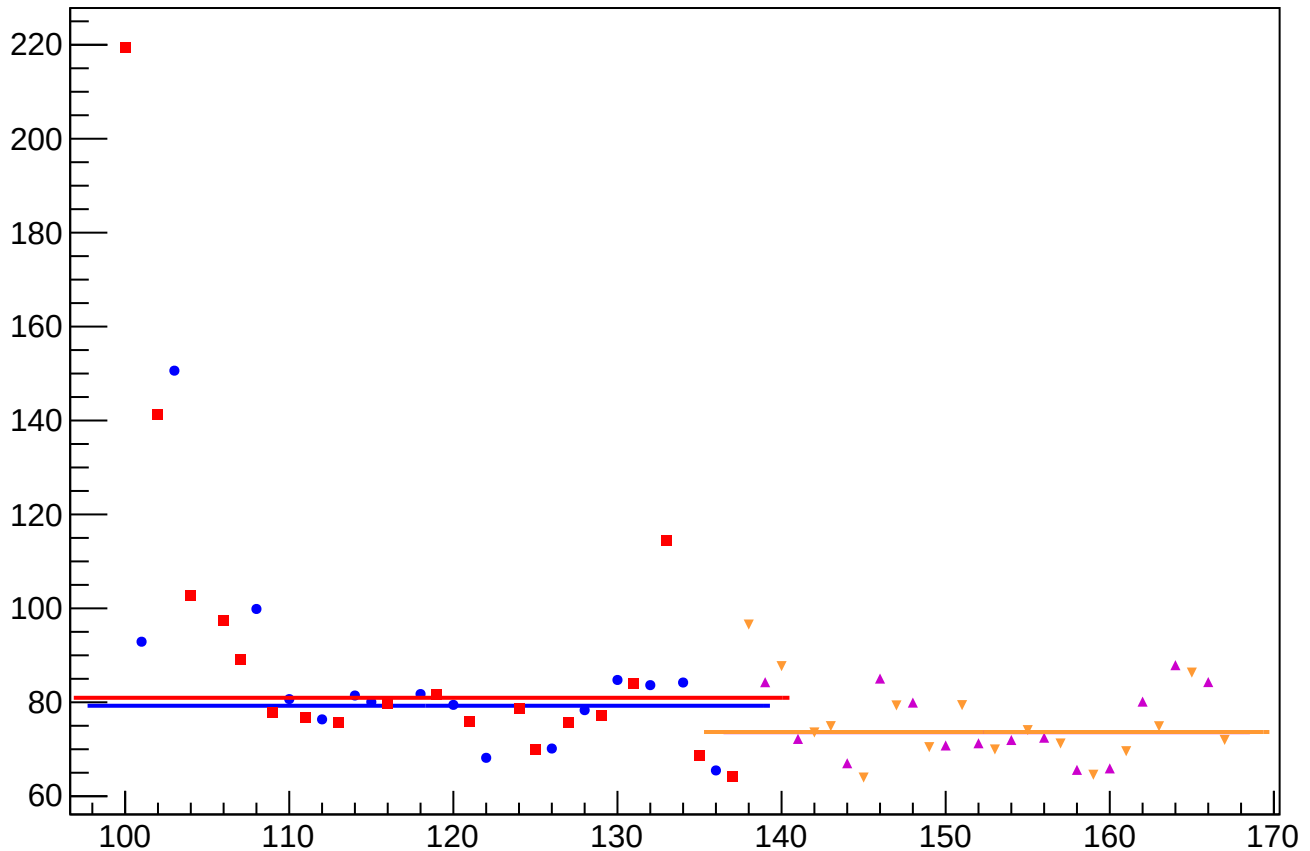
Left In: -53.365 ± 22.054 χ^2/NDF : 19.8/13

+ sign 23.824 ± 17.306 χ^2/NDF : 36.1/31

All: -11.763 ± 12.446 χ^2/NDF : 92.4/64

- sign -49.887 ± 17.913 χ^2/NDF : 47.6/32

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 ± 0.021 $\chi^2/\text{NDF}: 444948.4/15$

Left Out: 73.672 ± 0.015 $\chi^2/\text{NDF}: 253949.2/15$

Right Out: 80.958 ± 0.022 $\chi^2/\text{NDF}: 514191.2/18$

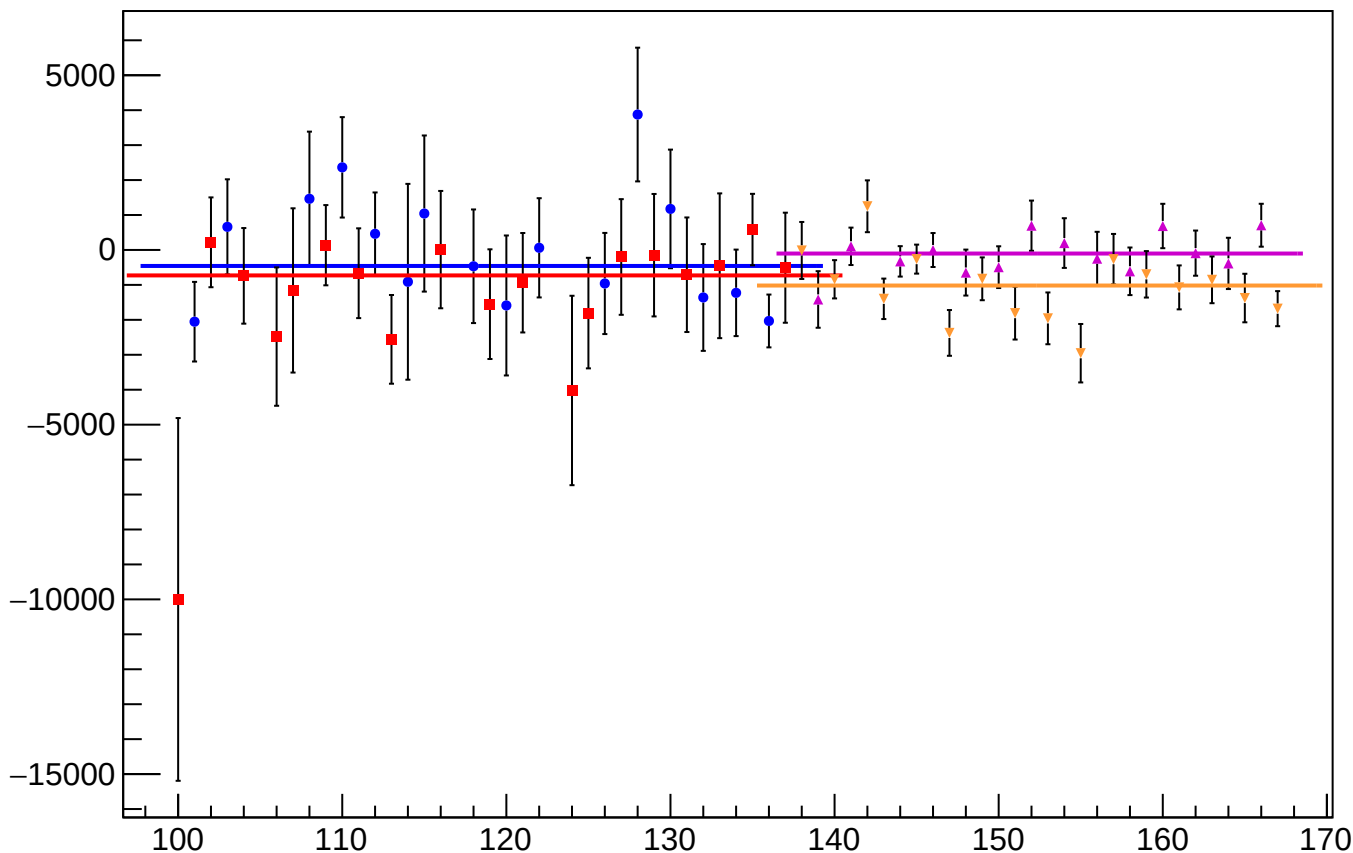
Left In: 73.637 ± 0.016 $\chi^2/\text{NDF}: 196924.2/13$

+ sign 75.490 ± 0.012 $\chi^2/\text{NDF}: 744704.7/31$

All: 75.798 ± 0.009 $\chi^2/\text{NDF}: 1532125.9/64$

- sign 76.129 ± 0.013 $\chi^2/\text{NDF}: 786108.1/32$

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: -1018.253 $\pm$ 157.283 χ^2 /NDF:30.6/15

Right Out: -728.749 $\pm$ 352.573 χ^2 /NDF: 11.5/18

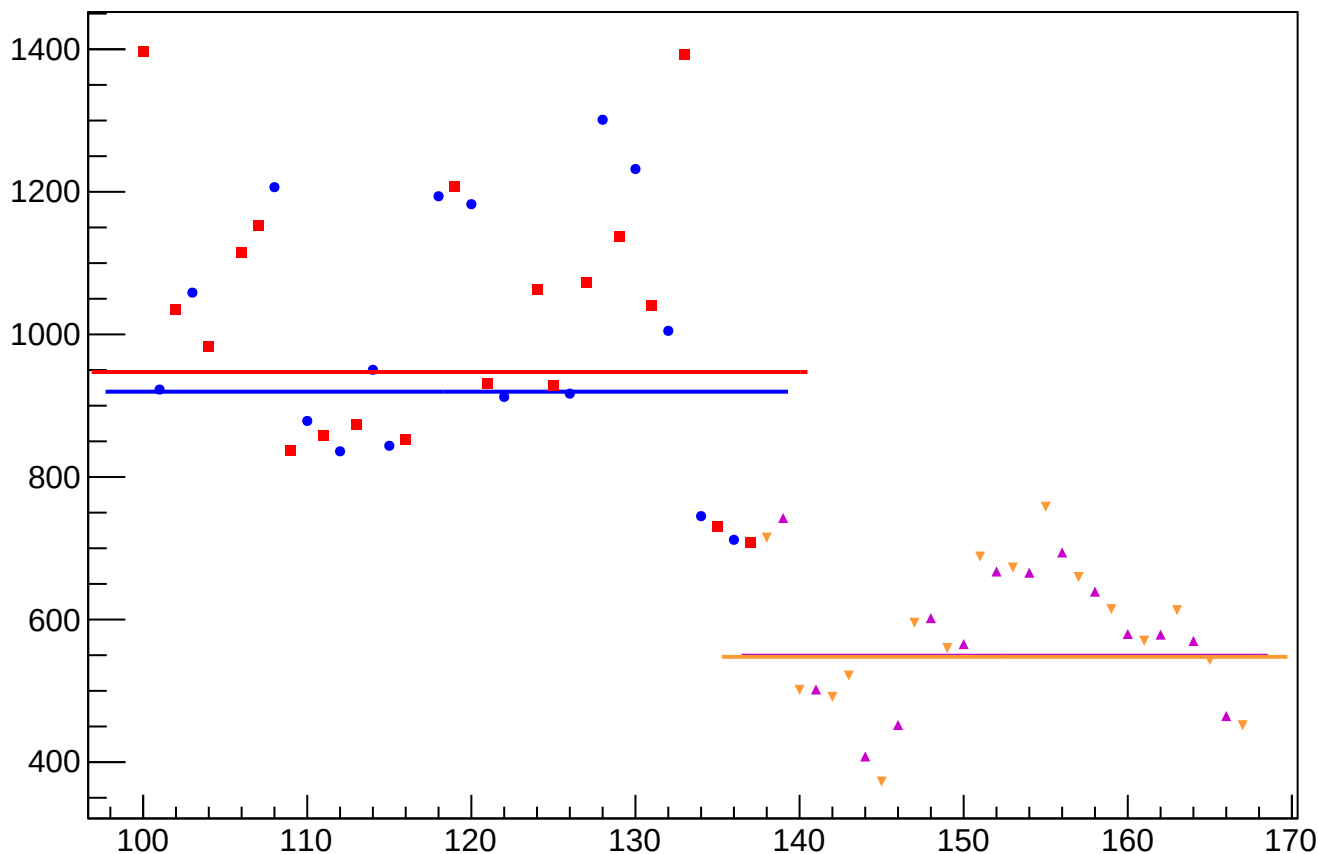
Left In: -102.579 $\pm$ 164.880 χ^2 /NDF:9.6/13

+ sign -924.174 $\pm$ 143.468 χ^2 /NDF: 53.0/31

All: -583.814 $\pm$ 103.466 χ^2 /NDF: 88.4/64

- sign -214.946 $\pm$ 149.355 χ^2 /NDF: 23.7/32

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: 547.647 $\pm$ 0.111 χ^2/NDF : 897426.9/15

Right Out: 947.270 $\pm$ 0.249 χ^2/NDF : 425565.2/18

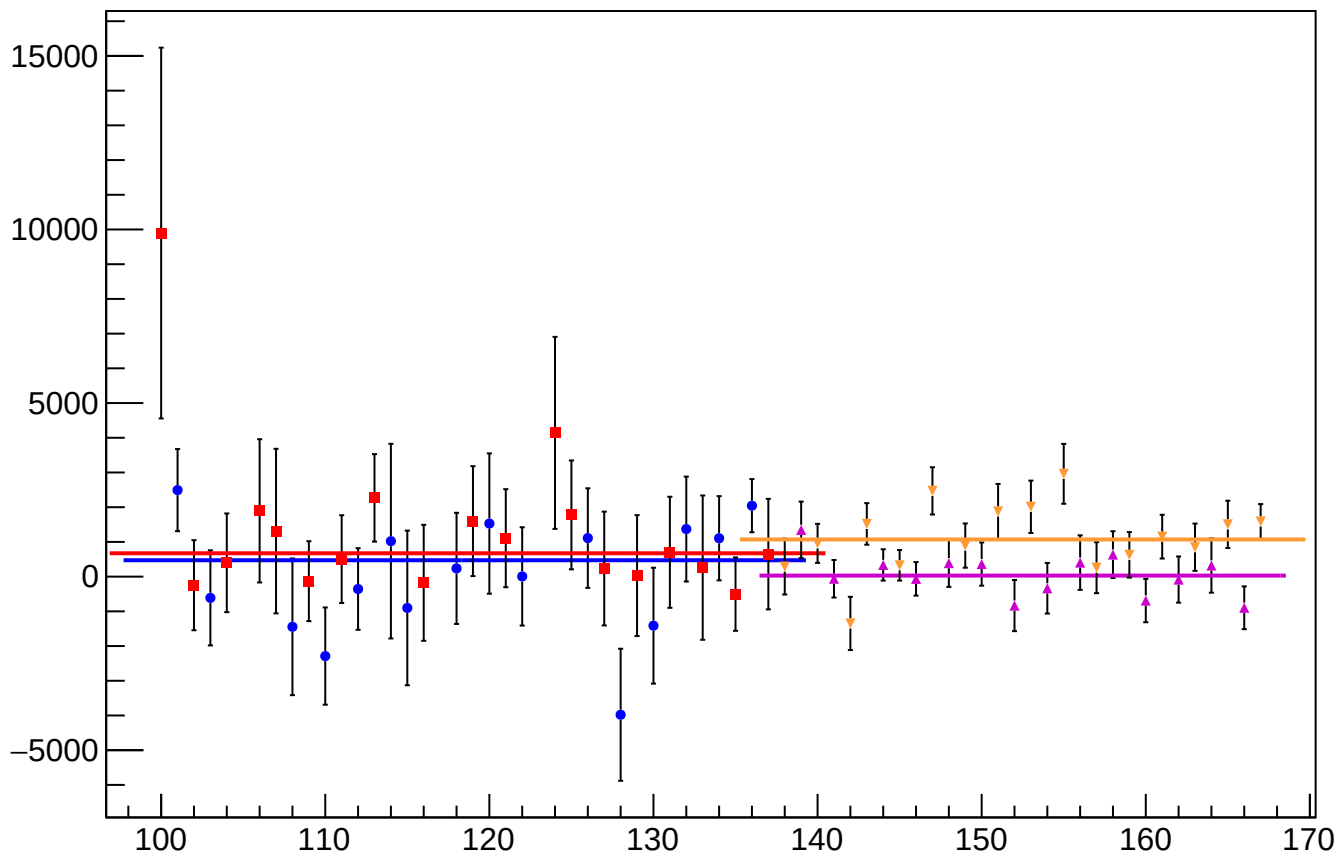
Left In: 549.288 $\pm$ 0.117 χ^2/NDF : 696311.6/13

+ sign 610.124 $\pm$ 0.101 χ^2/NDF : 3291833.4/31

All: 615.202 $\pm$ 0.073 χ^2/NDF : 6509978.2/64

- sign 620.706 $\pm$ 0.106 χ^2/NDF : 3212923.3/32

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014 $\pm$ 350.376 χ^2 /NDF: 21.5/15

Left Out: 1070.275 $\pm$ 160.773 χ^2 /NDF:29.4/15

Right Out: 672.537 $\pm$ 354.512 χ^2 /NDF: 10.3/18

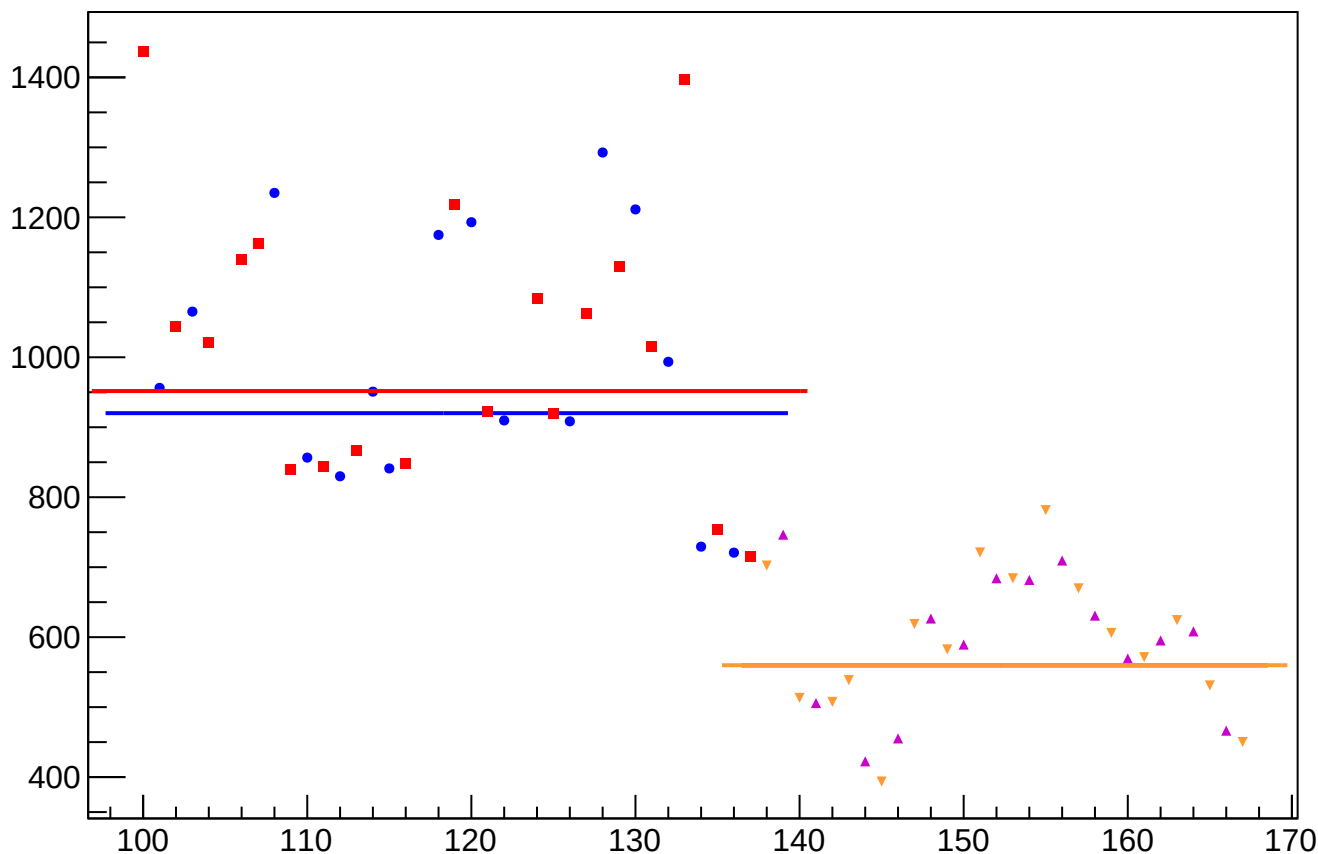
Left In: 29.843 $\pm$ 167.887 χ^2 /NDF:10.1/13

+ sign 966.220 $\pm$ 146.124 χ^2 /NDF: 53.3/31

All: 572.306 $\pm$ 105.252 χ^2 /NDF: 91.5/64

- sign 147.576 $\pm$ 151.732 χ^2 /NDF: 23.1/32

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF : 508678.6/15

Left Out: 559.891+/-0.114 χ^2/NDF : 833696.5/15

Right Out: 951.726+/-0.251 χ^2/NDF : 416116.3/18

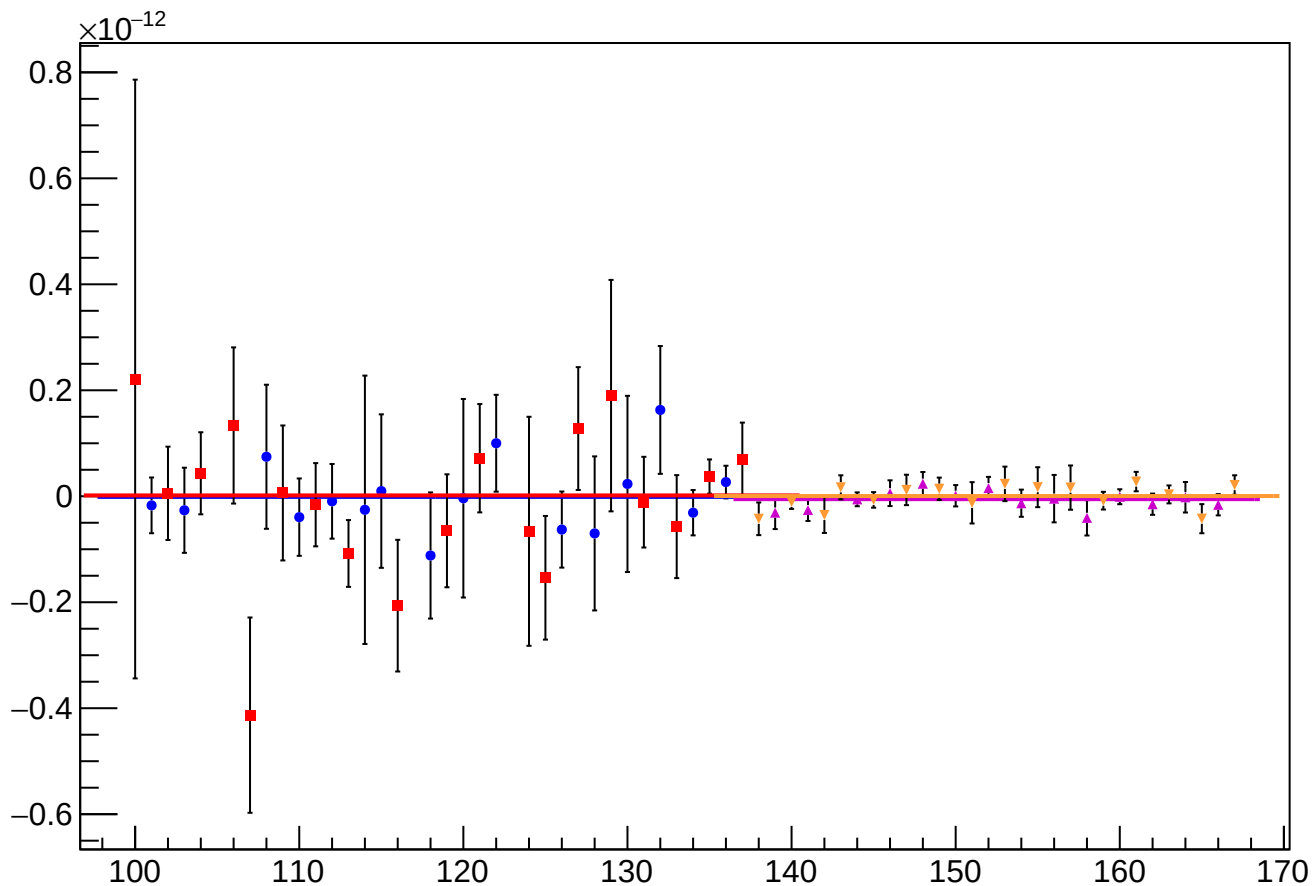
Left In: 559.610+/-0.119 χ^2/NDF : 694809.5/13

+ sign 622.546+/-0.103 χ^2/NDF : 3088798.9/31

All: 626.826+/-0.074 χ^2/NDF : 6201866.1/64

- sign 631.440+/-0.107 χ^2/NDF : 3109502.2/32

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 7.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.4/18

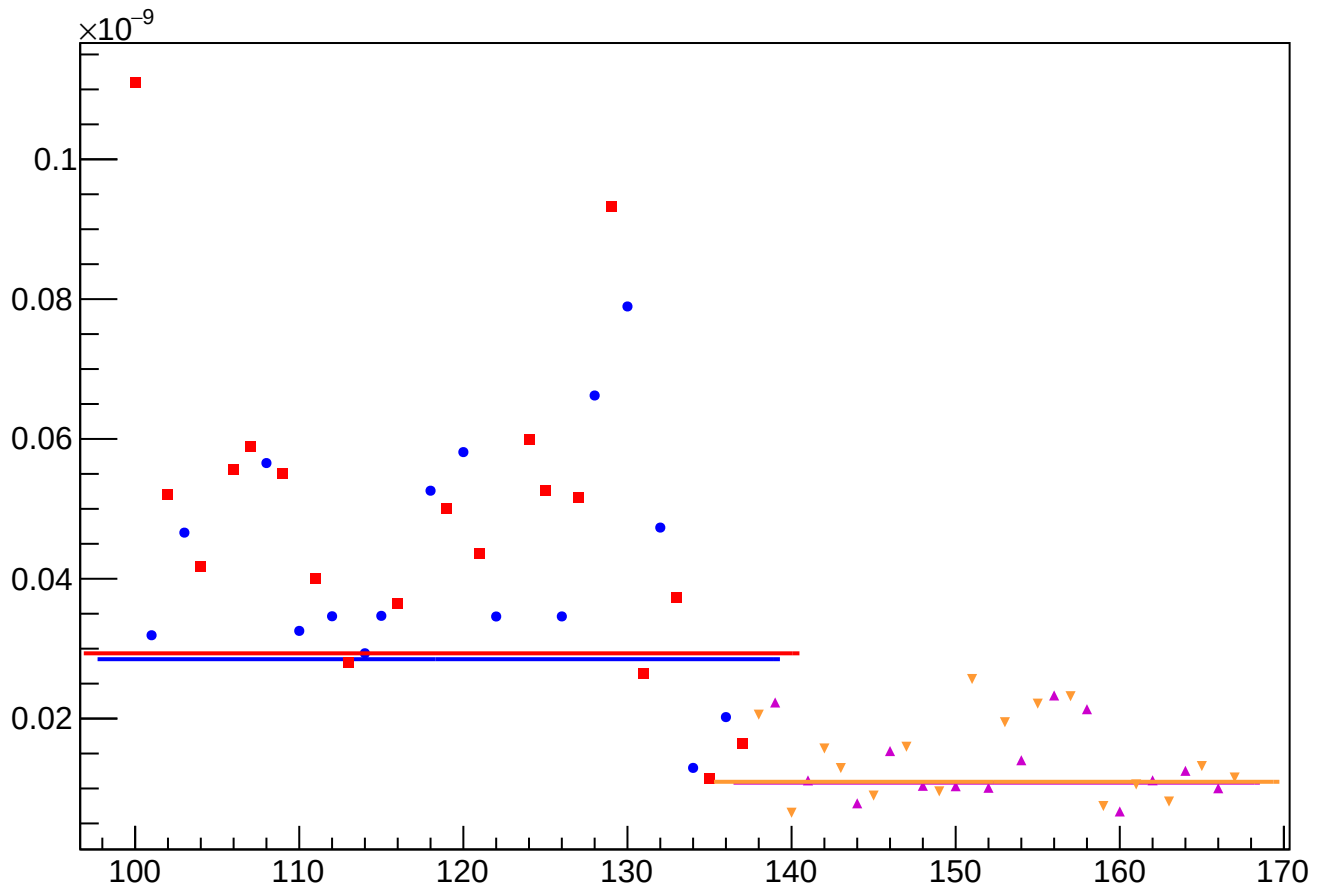
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:6.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.4/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.9/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/32

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1510247.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 1645968.5/18

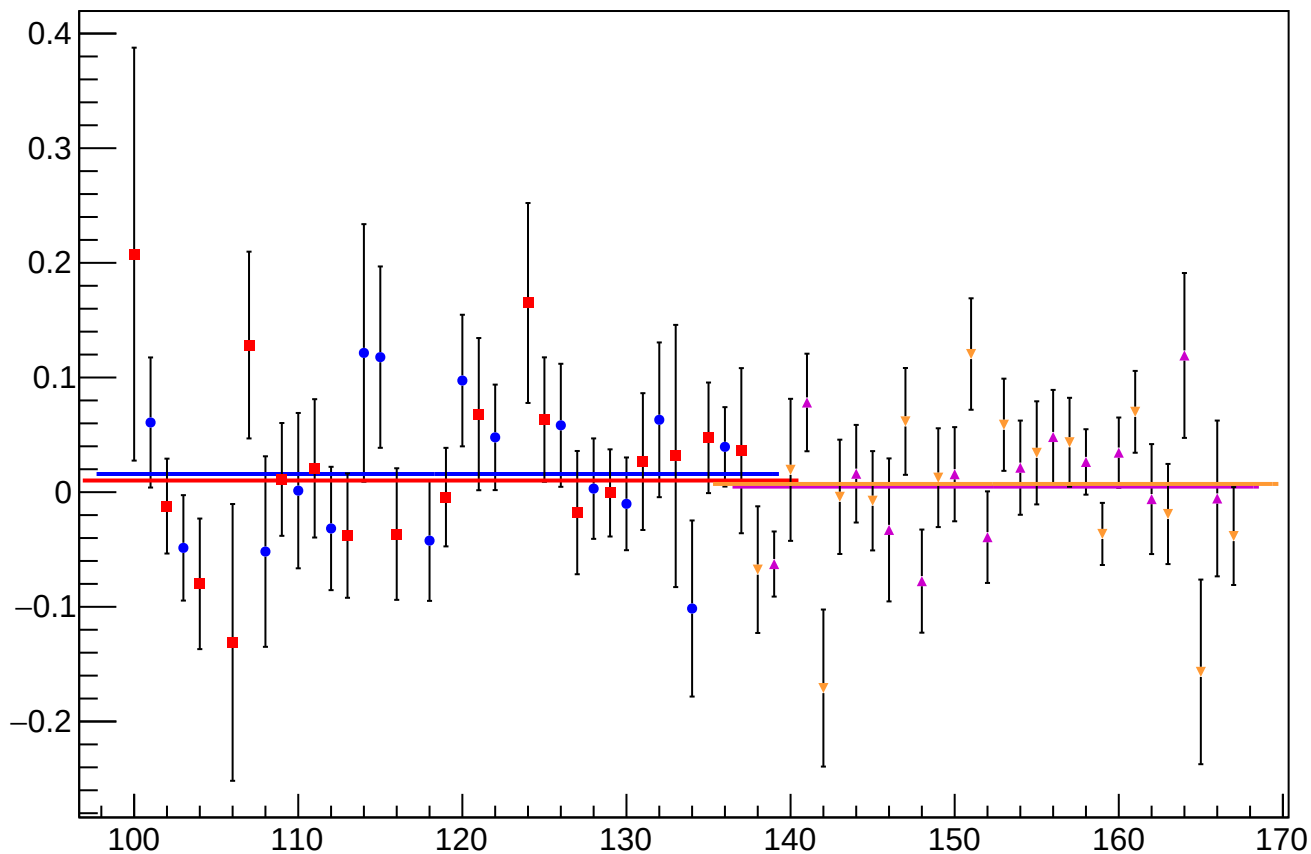
Left In: 0.000+/-0.000 χ^2/NDF : 1015216.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 4460136.8/31

All: 0.000+/-0.000 χ^2/NDF : 8823985.9/64

- sign 0.000+/-0.000 χ^2/NDF : 4363088.9/32

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: 0.007 $\pm$ 0.011 χ^2 /NDF: 29.8/15

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

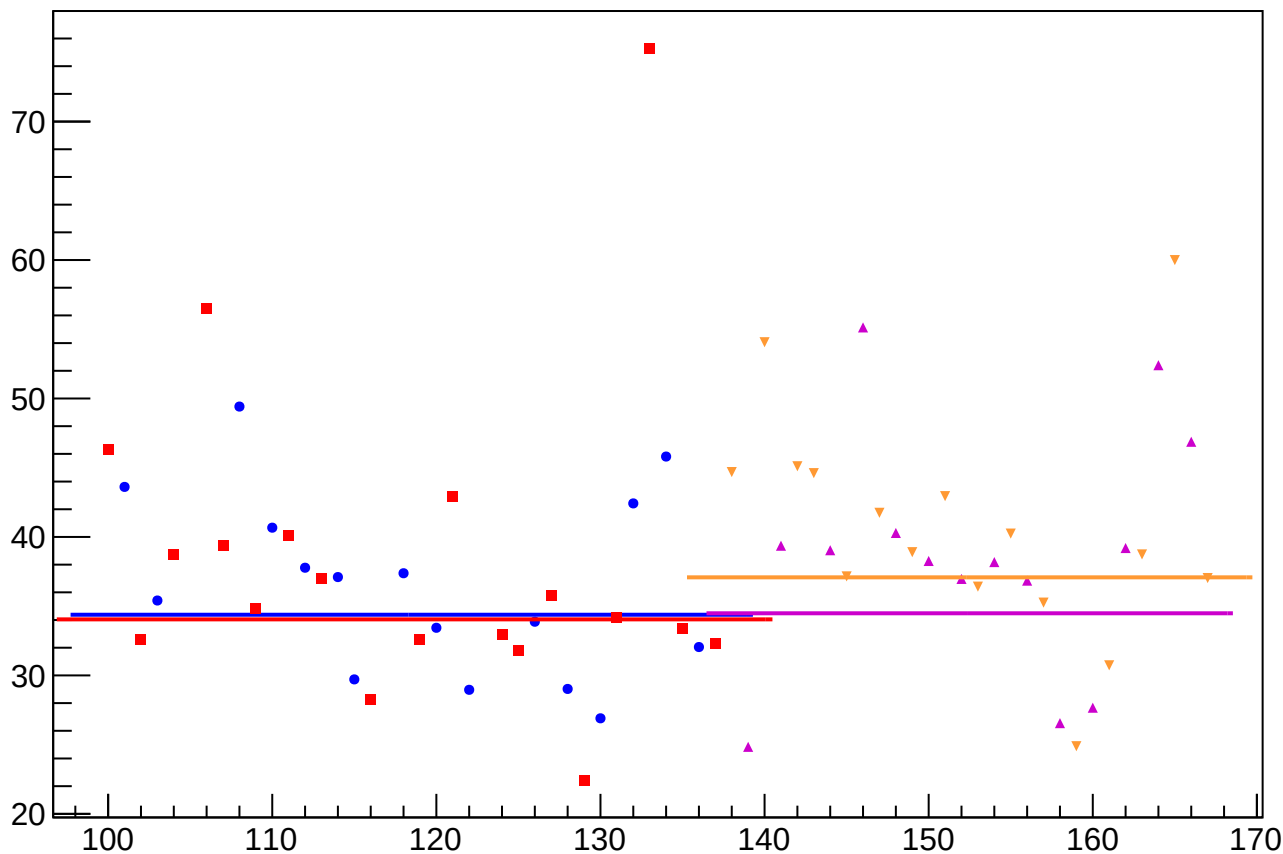
Left In: 0.005 $\pm$ 0.011 χ^2 /NDF: 19.1/13

+ sign 0.011 $\pm$ 0.008 χ^2 /NDF: 44.9/31

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 79.3/64

- sign 0.007 $\pm$ 0.008 χ^2 /NDF: 34.3/32

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: 37.083+/-0.008 χ^2/NDF : 962423.4/15

Right Out: 34.047+/-0.009 χ^2/NDF : 642697.3/18

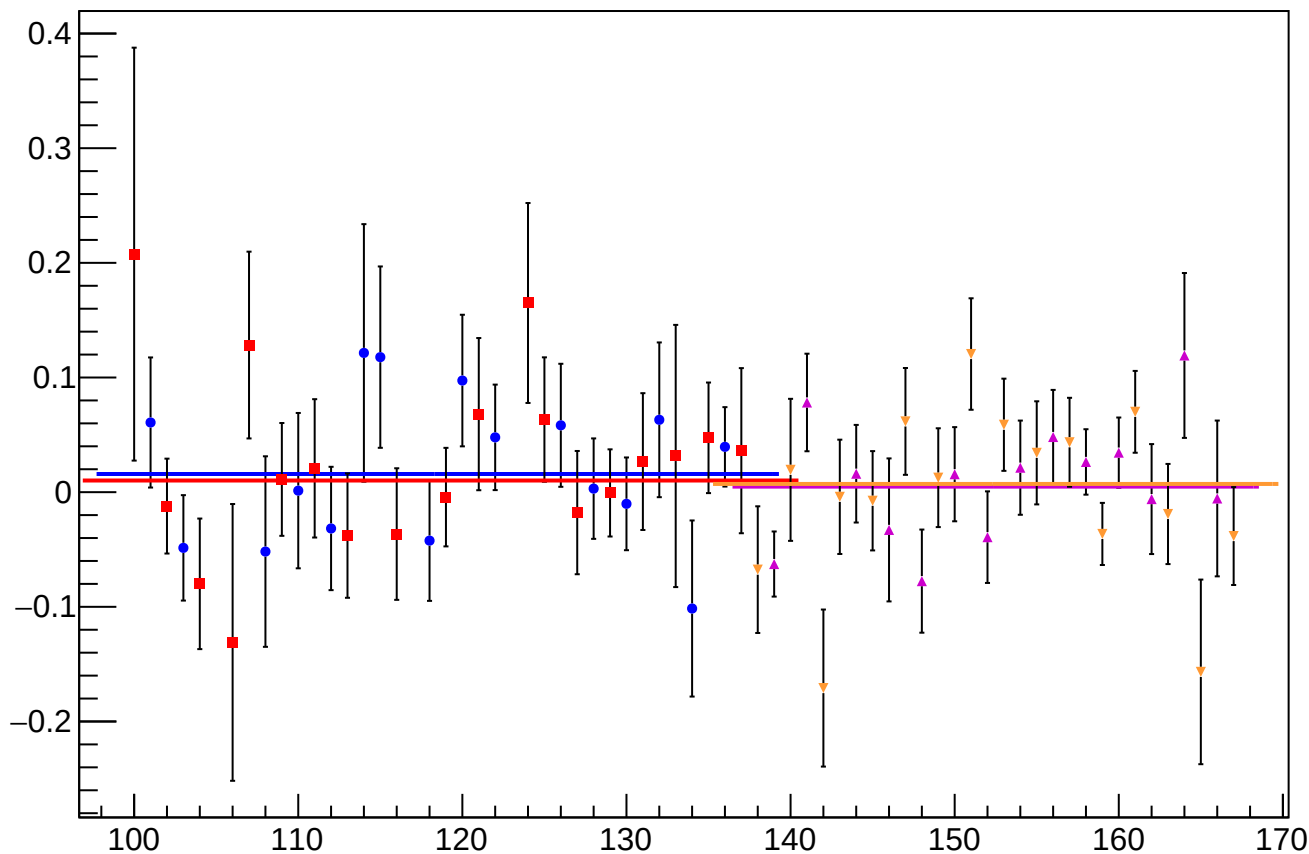
Left In: 34.487+/-0.008 χ^2/NDF : 1043705.3/13

+ sign 35.999+/-0.006 χ^2/NDF : 1378980.8/31

All: 35.141+/-0.004 χ^2/NDF : 3106922.8/64

- sign 34.312+/-0.006 χ^2/NDF : 1687734.4/32

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: 0.007 $\pm$ 0.011 χ^2 /NDF: 29.8/15

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

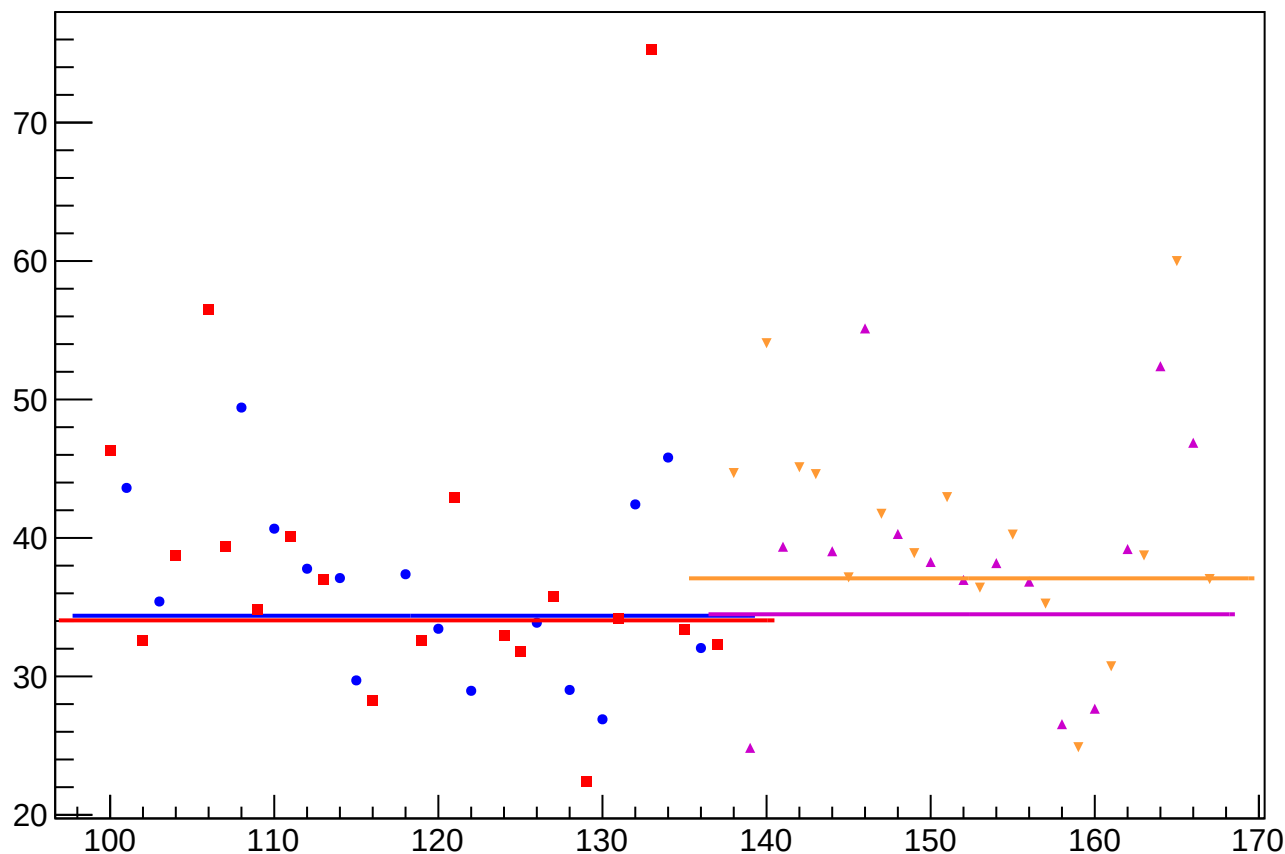
Left In: 0.005 $\pm$ 0.011 χ^2 /NDF: 19.1/13

+ sign 0.011 $\pm$ 0.008 χ^2 /NDF: 44.9/31

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 79.3/64

- sign 0.007 $\pm$ 0.008 χ^2 /NDF: 34.3/32

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: 37.083 $\pm$ 0.008 χ^2 /NDF: 962423.4/15

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642697.3/18

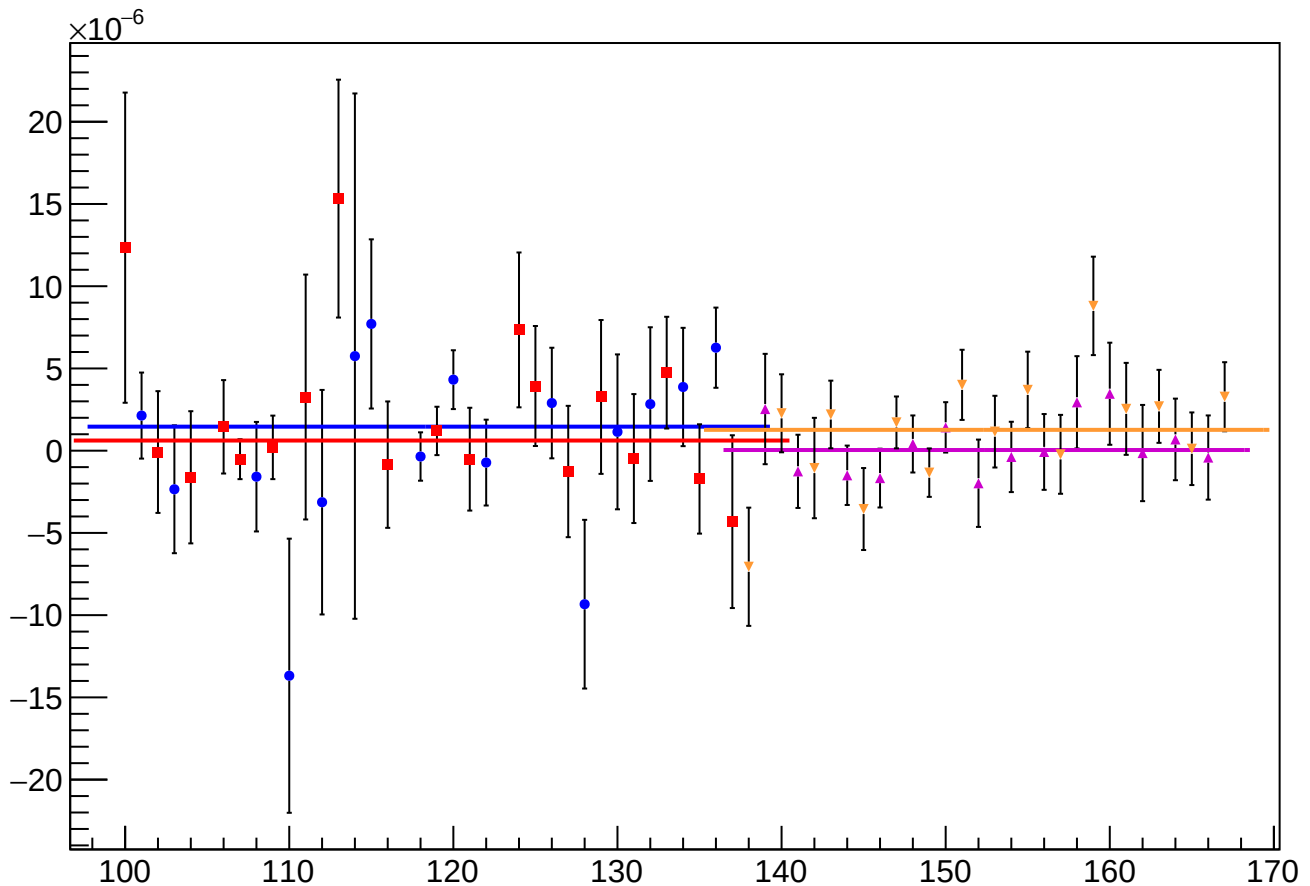
Left In: 34.487 $\pm$ 0.008 χ^2 /NDF: 1043705.3/13

+ sign 35.999 $\pm$ 0.006 χ^2 /NDF: 1378980.8/31

All: 35.141 $\pm$ 0.004 χ^2 /NDF: 3106922.8/64

- sign 34.312 $\pm$ 0.006 χ^2 /NDF: 1687734.4/32

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.9/18

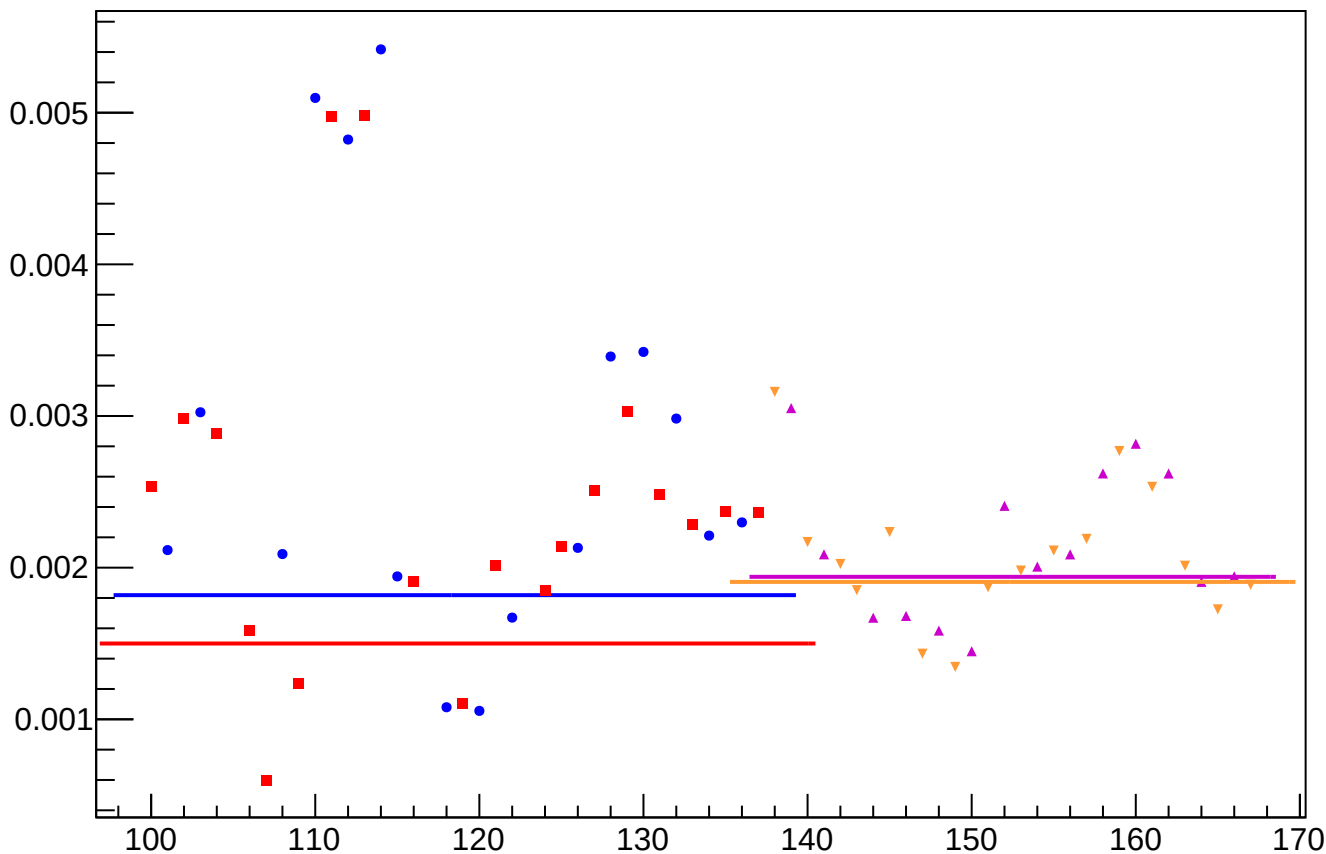
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:6.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.6/31

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.1/64

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/32

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 : 1108931.1/15

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 3689451.2/18

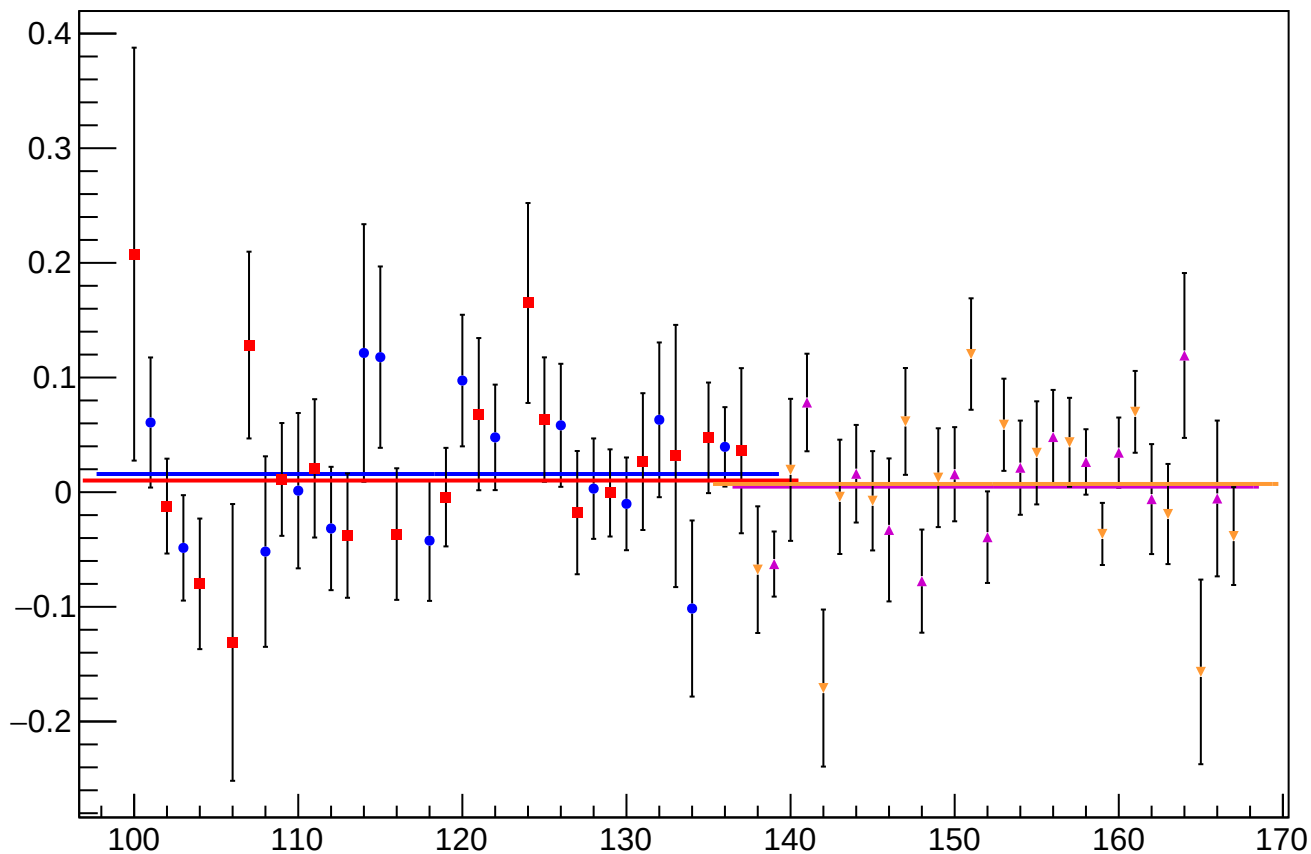
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 1063125.2/13

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 3696723.1/31

All: 0.002 $\pm$ 0.000 χ^2/NDF : 9049768.2/64

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 5258170.0/32

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: 0.007 $\pm$ 0.011 χ^2 /NDF: 29.8/15

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

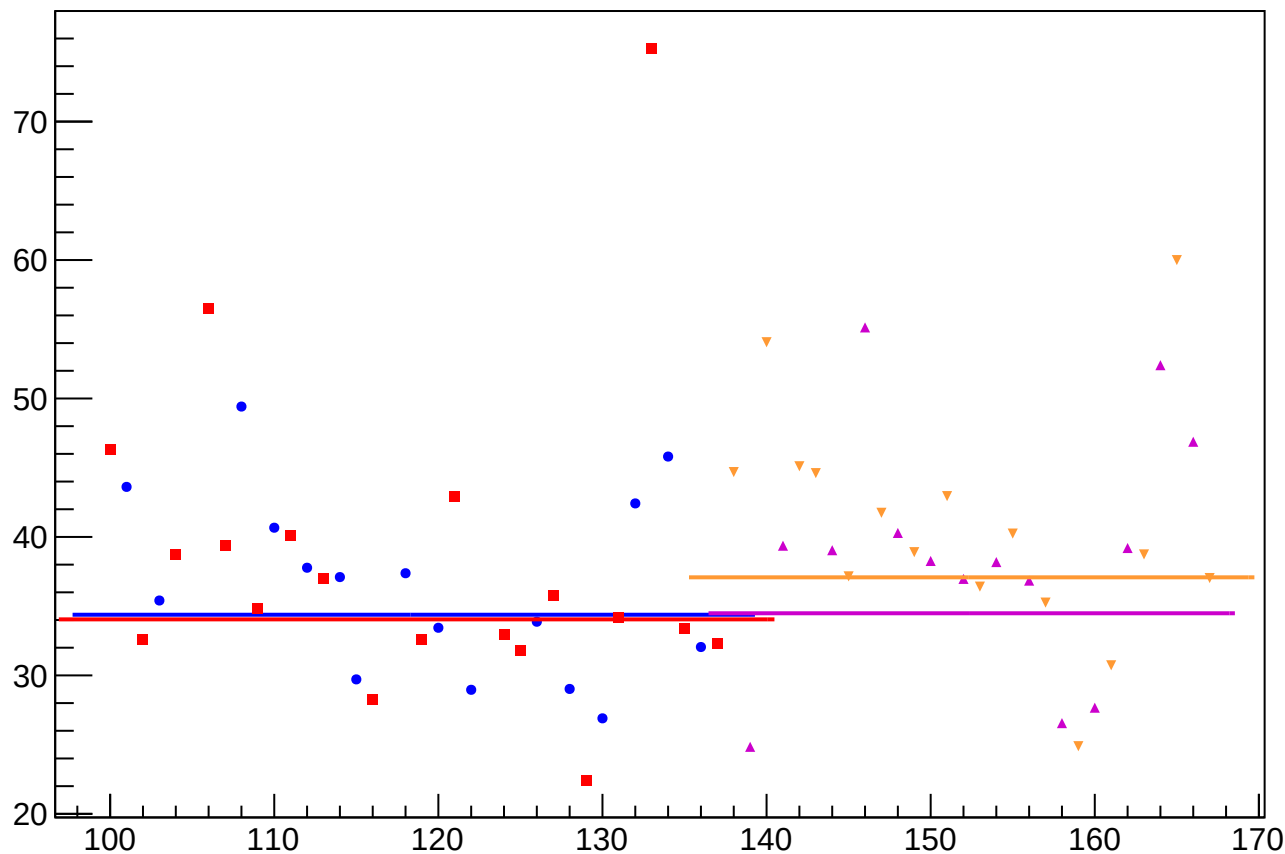
Left In: 0.005 $\pm$ 0.011 χ^2 /NDF: 19.1/13

+ sign 0.011 $\pm$ 0.008 χ^2 /NDF: 44.9/31

All: 0.009 $\pm$ 0.006 χ^2 /NDF: 79.3/64

- sign 0.007 $\pm$ 0.008 χ^2 /NDF: 34.3/32

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.381+/-0.009 χ^2/NDF : 367940.1/15

Left Out: 37.083+/-0.008 χ^2/NDF : 962488.0/15

Right Out: 34.047+/-0.009 χ^2/NDF : 642741.5/18

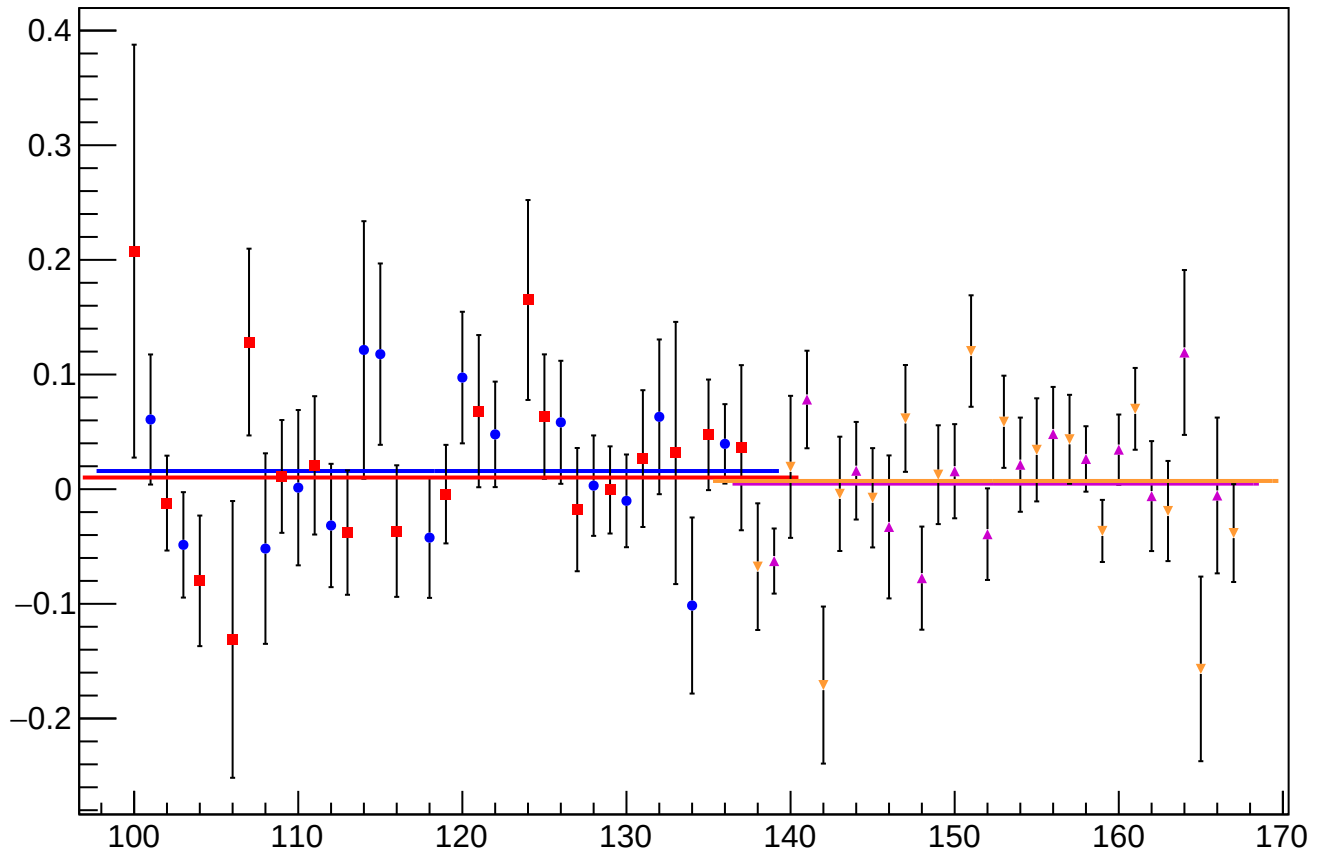
Left In: 34.487+/-0.008 χ^2/NDF : 1043781.5/13

+ sign 35.999+/-0.006 χ^2/NDF : 1379138.6/31

All: 35.141+/-0.004 χ^2/NDF : 3107199.8/64

- sign 34.312+/-0.006 χ^2/NDF : 1687859.5/32

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 ± 0.013 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.007 ± 0.011 $\chi^2/\text{NDF}: 29.8/15$

Right Out: 0.010 ± 0.013 $\chi^2/\text{NDF}: 15.1/18$

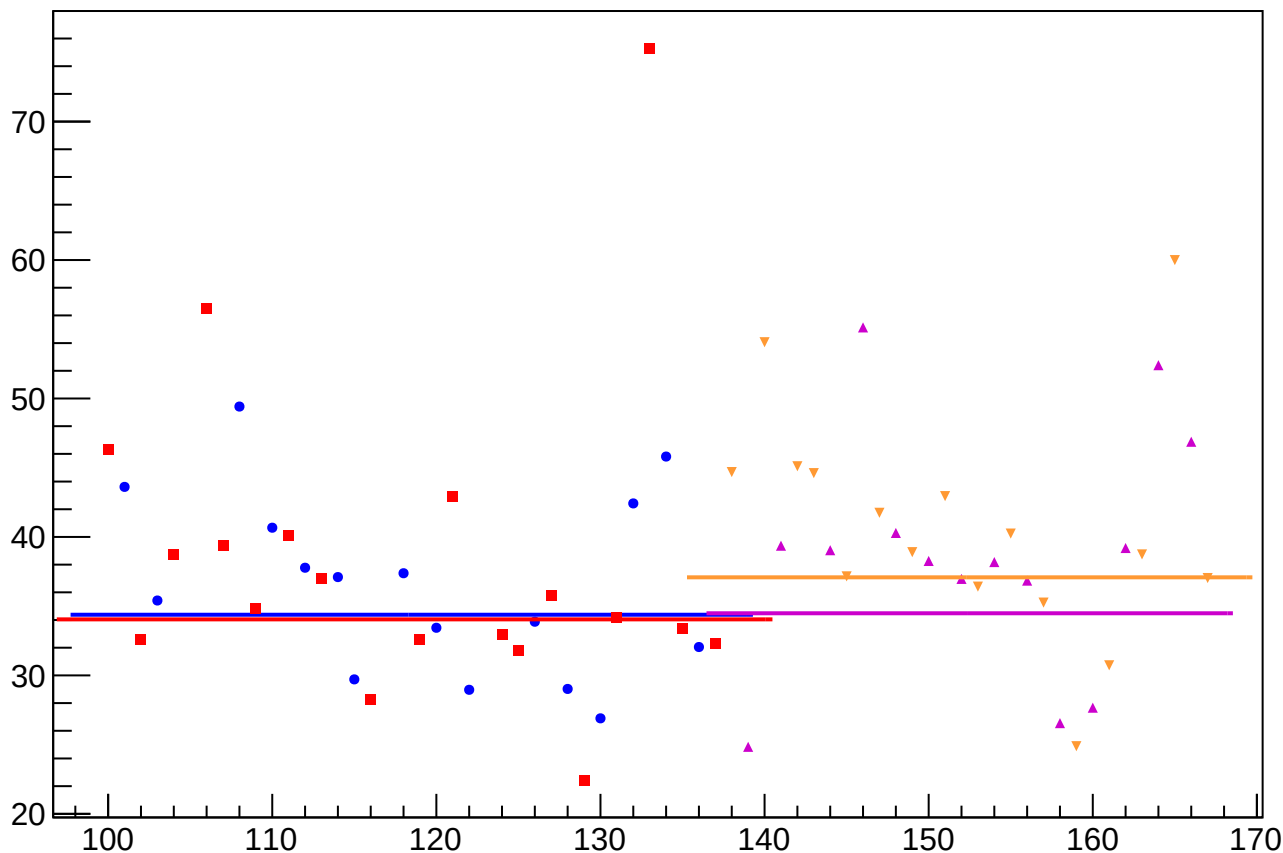
Left In: 0.005 ± 0.011 $\chi^2/\text{NDF}: 19.1/13$

+ sign 0.011 ± 0.008 $\chi^2/\text{NDF}: 44.9/31$

All: 0.009 ± 0.006 $\chi^2/\text{NDF}: 79.3/64$

- sign 0.007 ± 0.008 $\chi^2/\text{NDF}: 34.3/32$

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: 37.083+/-0.008 χ^2/NDF : 962488.0/15

Right Out: 34.047+/-0.009 χ^2/NDF : 642741.5/18

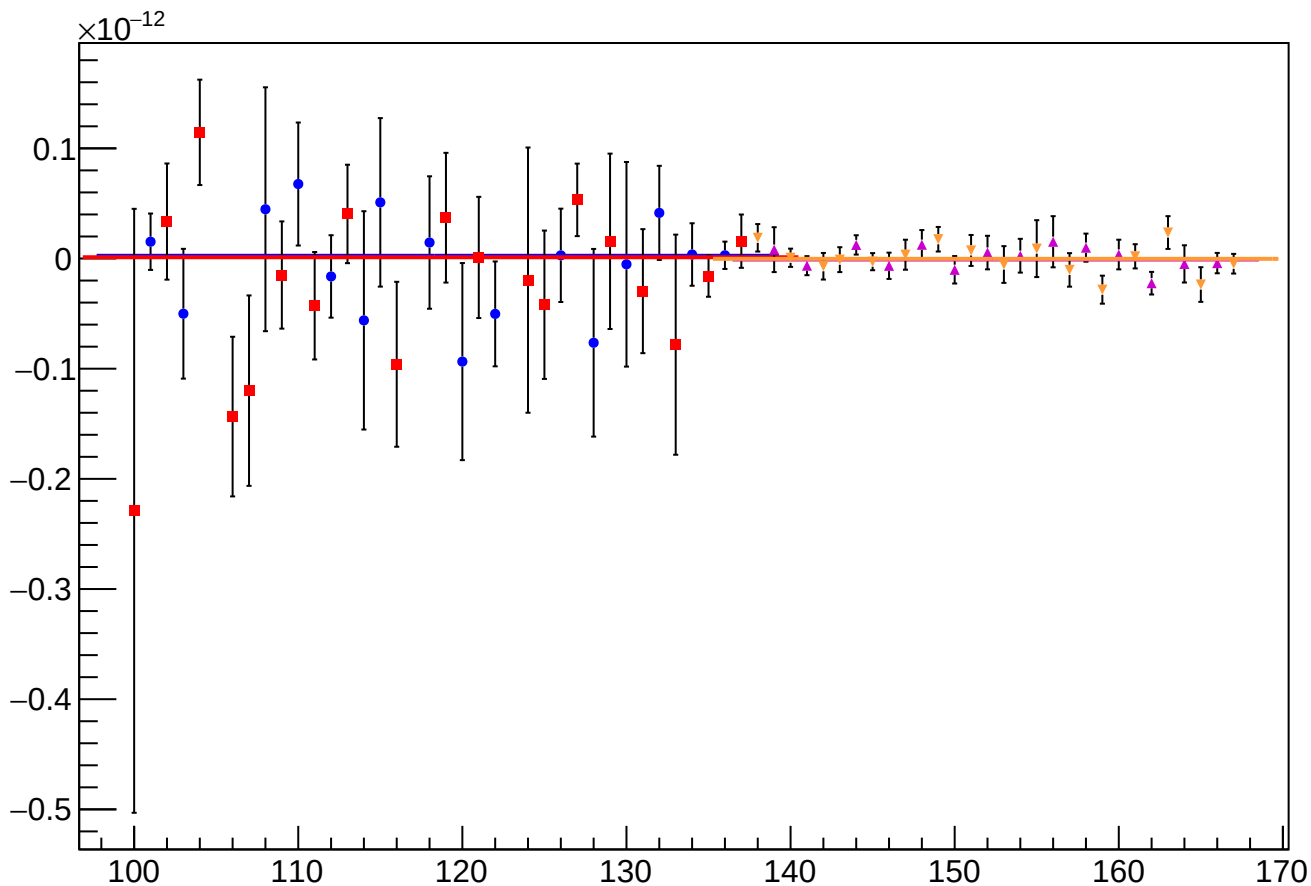
Left In: 34.487+/-0.008 χ^2/NDF : 1043781.5/13

+ sign 35.999+/-0.006 χ^2/NDF : 1379138.6/31

All: 35.141+/-0.004 χ^2/NDF : 3107199.8/64

- sign 34.312+/-0.006 χ^2/NDF : 1687859.5/32

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: 16.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/18

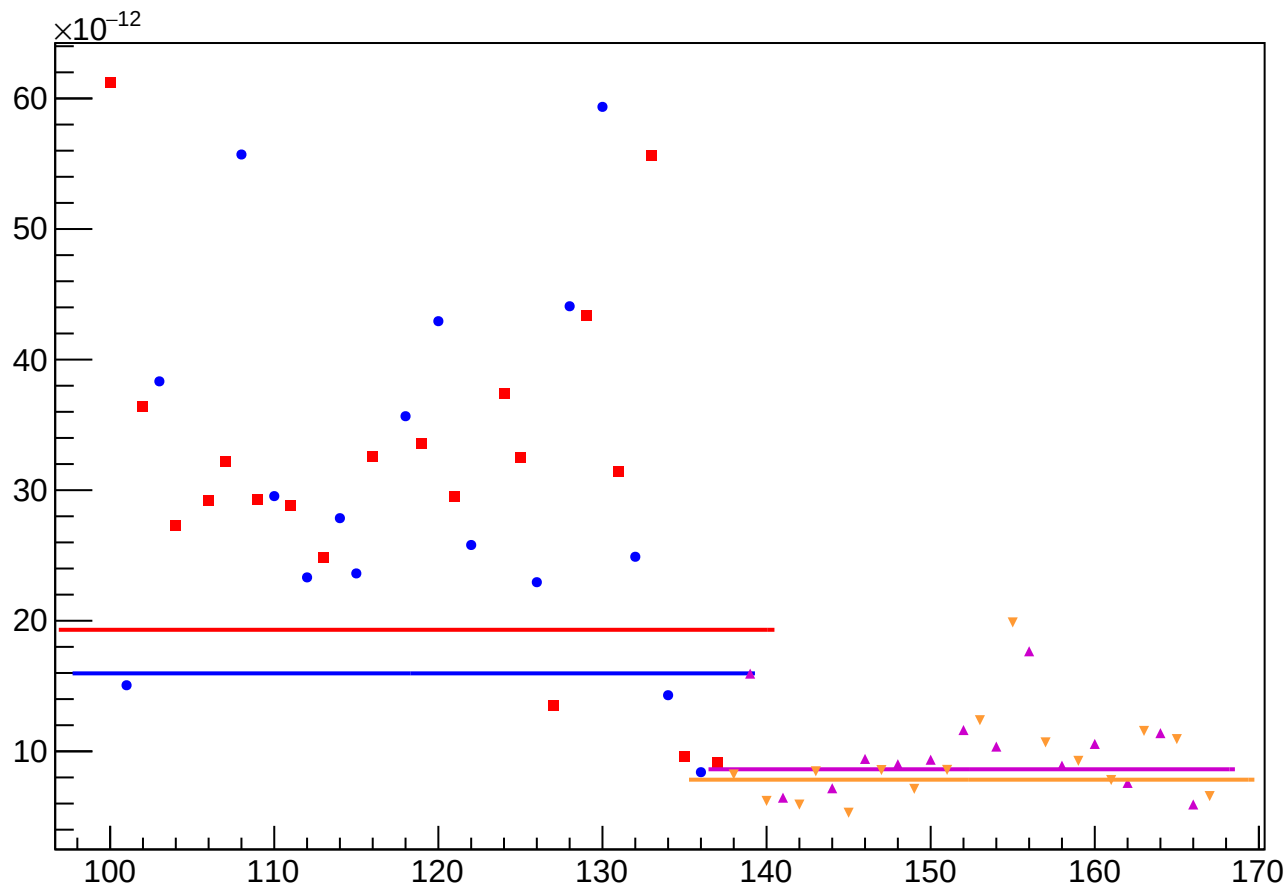
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 10.8/13

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/31

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 56.4/64

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/32

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 :1291591.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 2440768.5/18

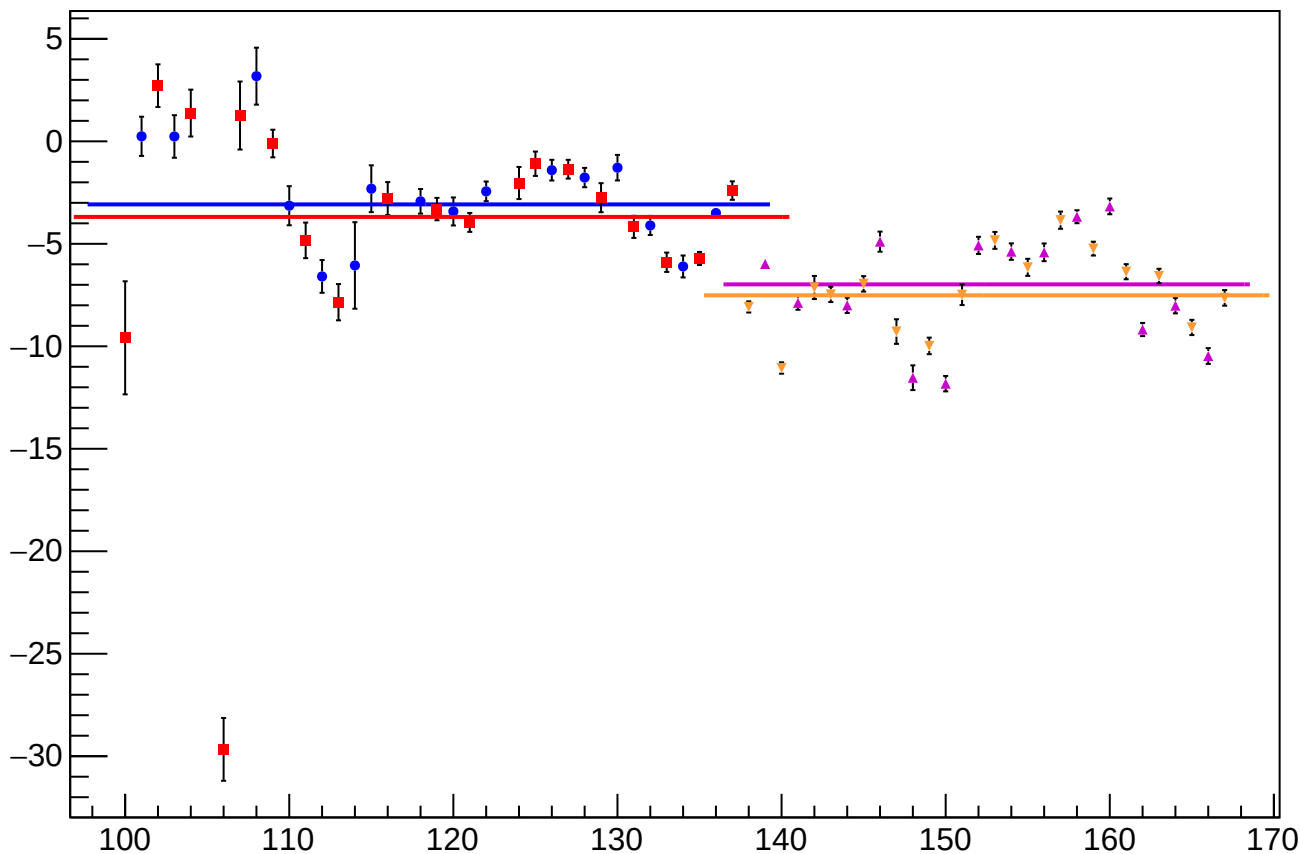
Left In: 0.000+/-0.000 χ^2/NDF :1150770.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 5679553.8/31

All: 0.000+/-0.000 χ^2/NDF : 11365159.7/64

- sign 0.000+/-0.000 χ^2/NDF : 5581602.6/32

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077 ± 0.135 χ^2/NDF : 133.8/15

Left Out: -7.512 ± 0.094 χ^2/NDF : 425.7/15

Right Out: -3.687 ± 0.140 χ^2/NDF : 534.8/18

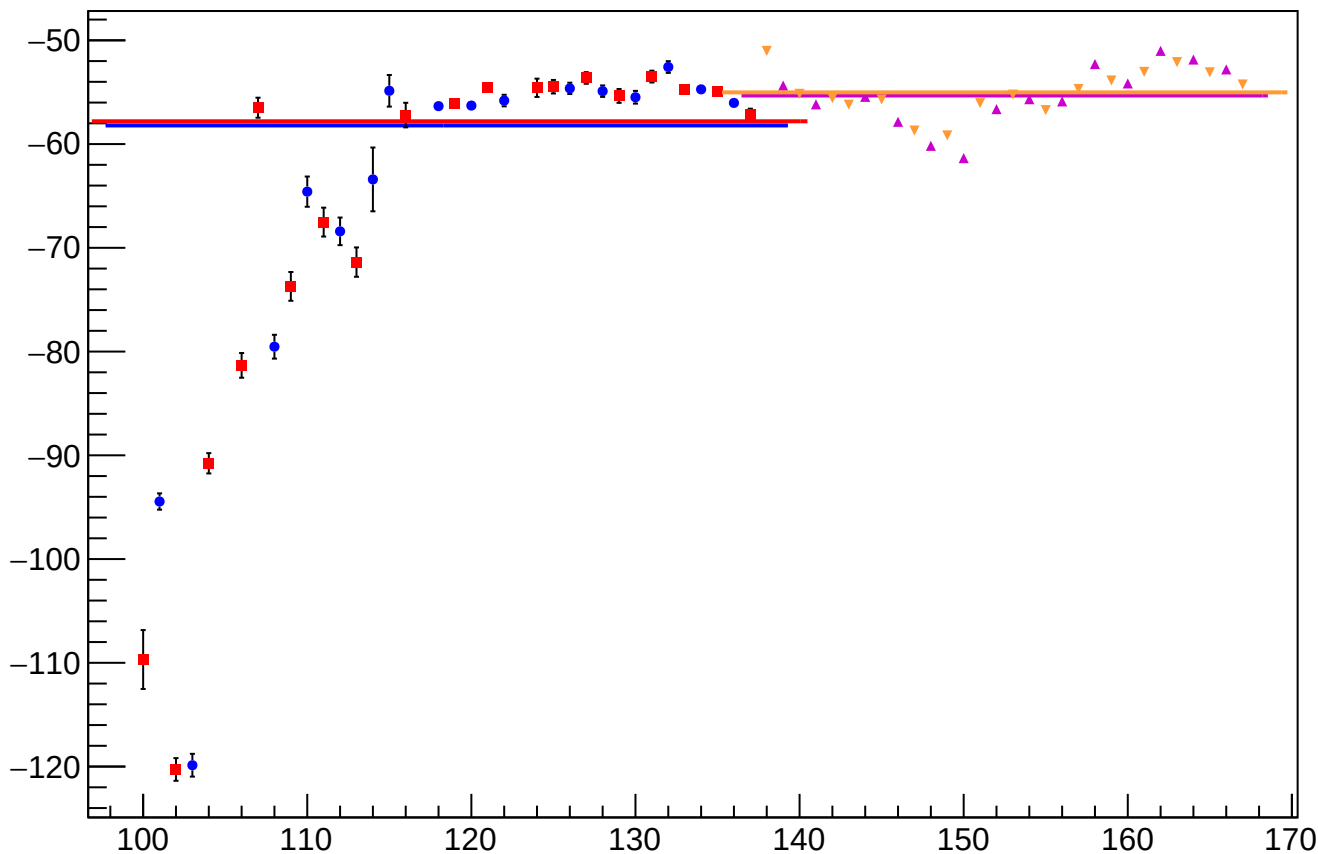
Left In: -6.979 ± 0.098 χ^2/NDF : 664.7/13

+ sign -6.061 ± 0.077 χ^2/NDF : 1283.4/31

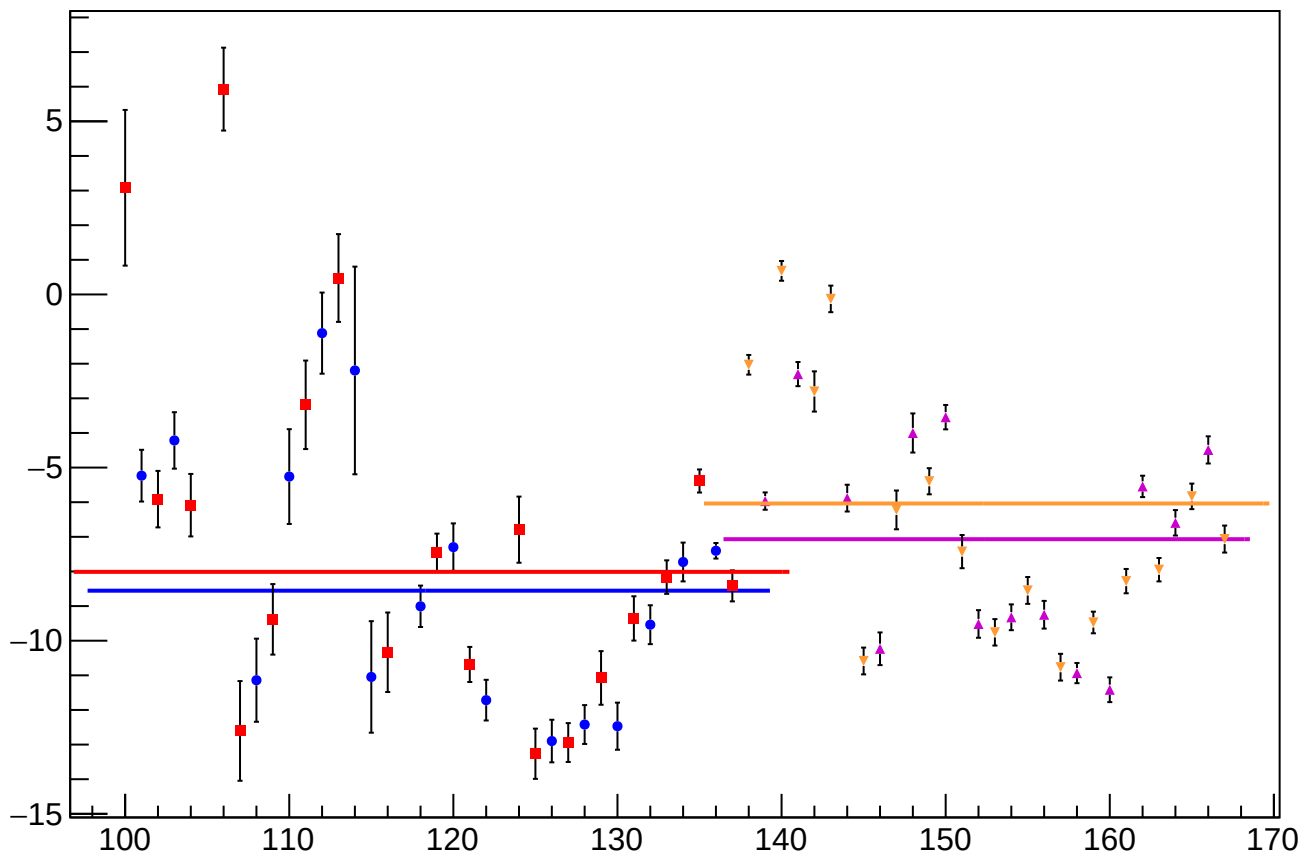
All: -5.984 ± 0.056 χ^2/NDF : 2855.7/64

- sign -5.901 ± 0.080 χ^2/NDF : 1570.3/32

reg_asym_sam1_diff_bpm4aY_slope vs Slug



reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555 ± 0.145 χ^2/NDF : 300.7/15

Left Out: -6.037 ± 0.092 χ^2/NDF : 1658.4/15

Right Out: -8.011 ± 0.153 χ^2/NDF : 489.3/18

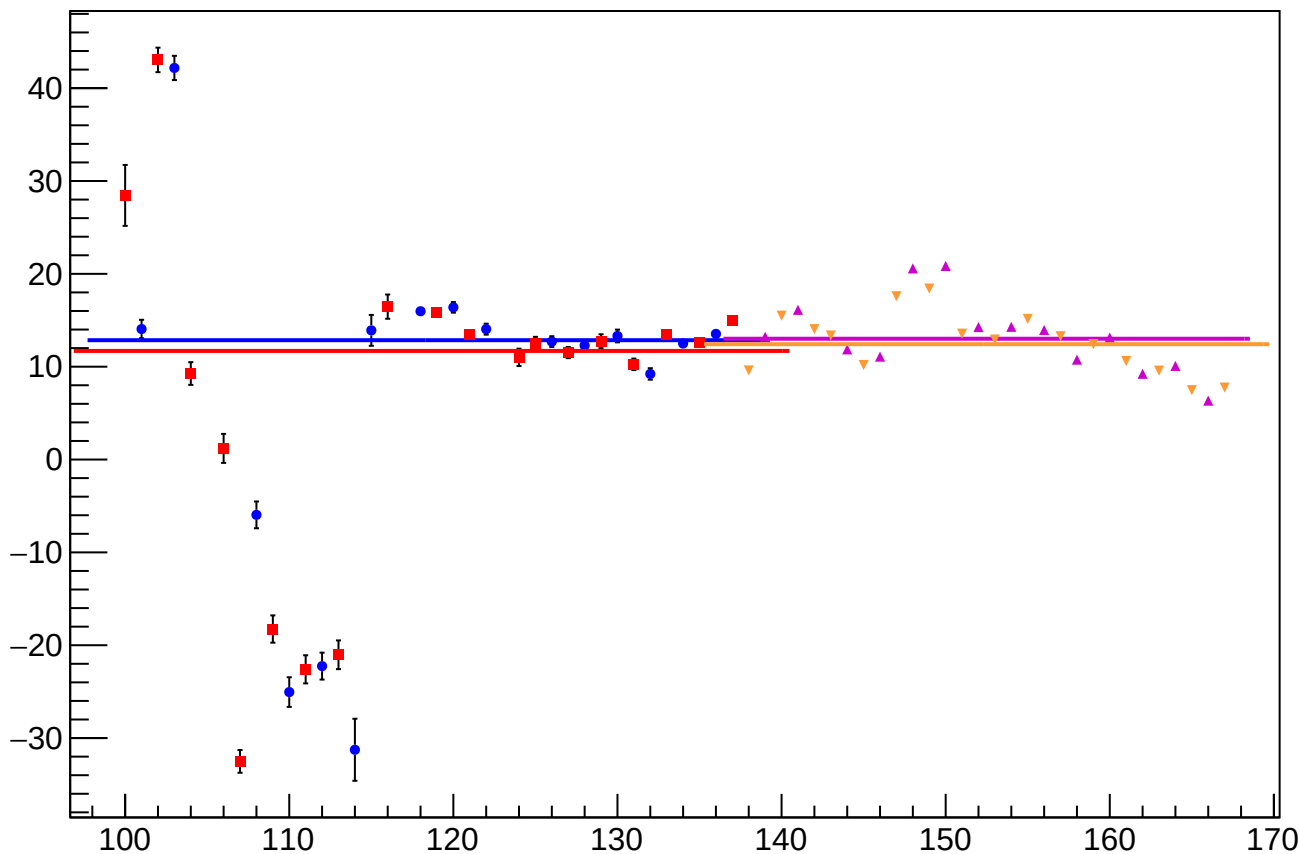
Left In: -7.068 ± 0.095 χ^2/NDF : 887.1/13

+ sign -6.767 ± 0.078 χ^2/NDF : 2174.1/31

All: -7.039 ± 0.056 χ^2/NDF : 3603.3/64

- sign -7.332 ± 0.081 χ^2/NDF : 1403.9/32

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853 ± 0.150 χ^2/NDF : 2128.4/15

Left Out: 12.422 ± 0.079 χ^2/NDF : 1489.9/15

Right Out: 11.699 ± 0.155 χ^2/NDF : 3498.8/18

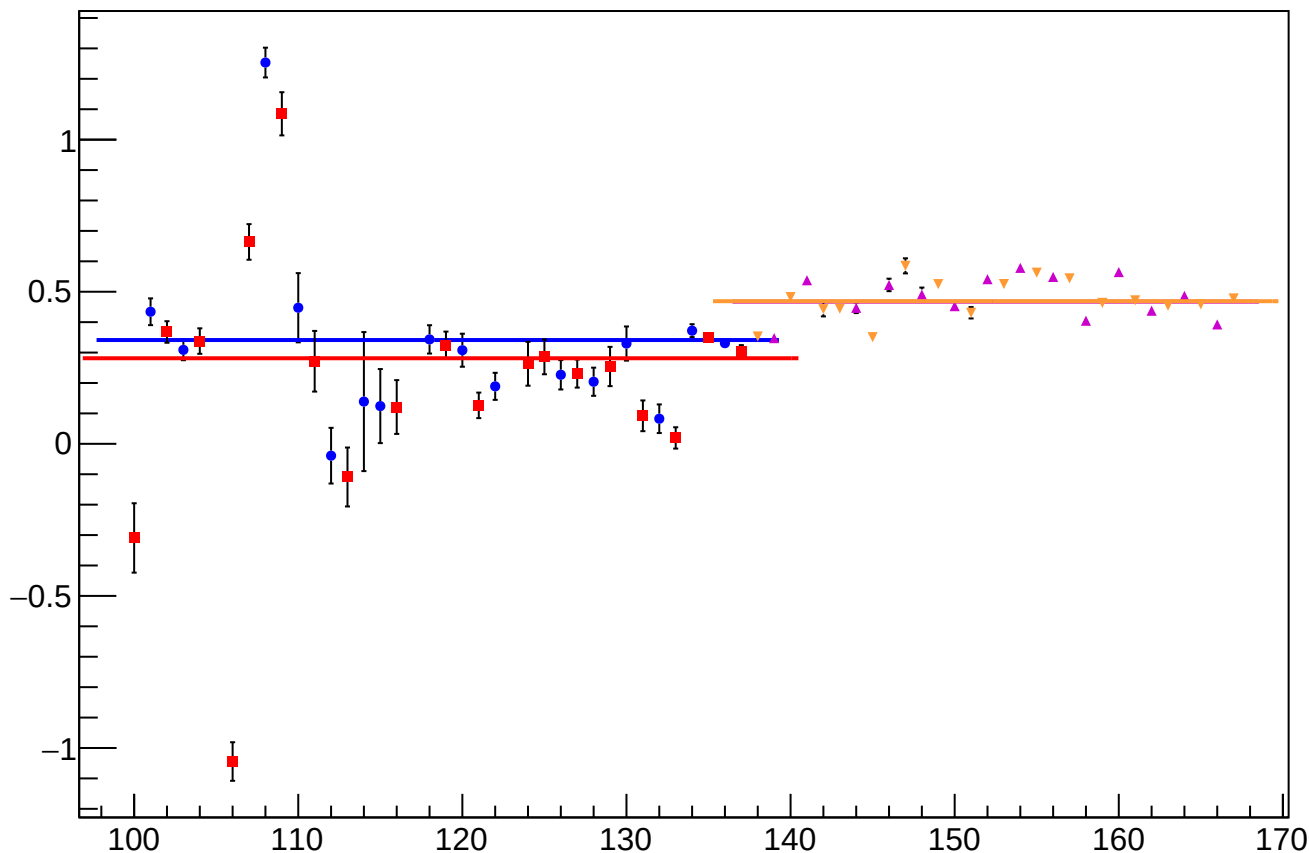
Left In: 13.011 ± 0.083 χ^2/NDF : 2014.7/13

+ sign 12.515 ± 0.070 χ^2/NDF : 3624.7/31

All: 12.612 ± 0.051 χ^2/NDF : 9197.9/64

- sign 12.719 ± 0.073 χ^2/NDF : 5569.1/32

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341 ± 0.008 χ^2/NDF : 434.8/15

Left Out: 0.469 ± 0.003 χ^2/NDF : 324.3/15

Right Out: 0.281 ± 0.008 χ^2/NDF : 777.6/18

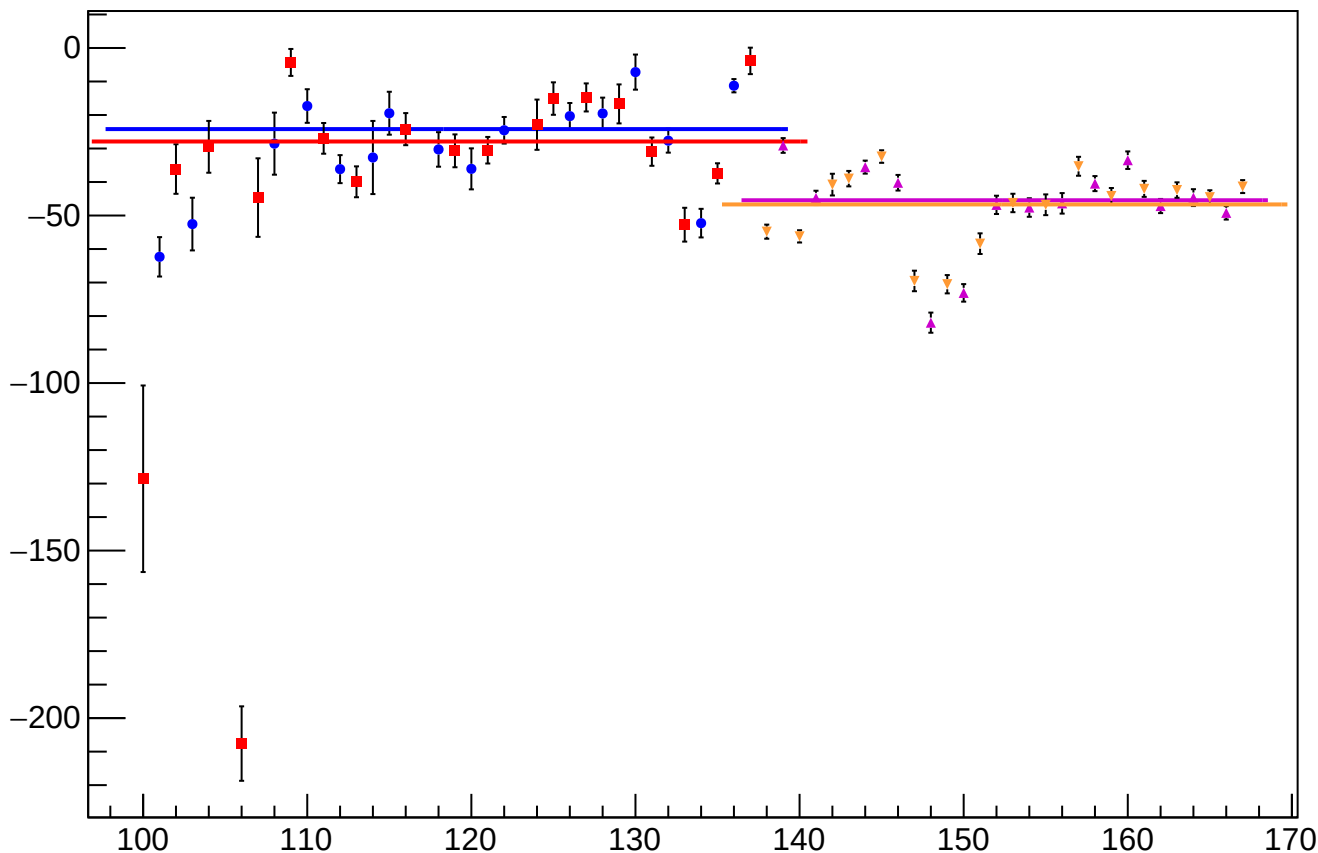
Left In: 0.467 ± 0.004 χ^2/NDF : 489.6/13

+ sign 0.448 ± 0.003 χ^2/NDF : 979.2/31

All: 0.444 ± 0.002 χ^2/NDF : 2660.8/64

- sign 0.440 ± 0.003 χ^2/NDF : 1678.3/32

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205 ± 1.086 χ^2/NDF : 170.7/15

Left Out: -46.690 ± 0.594 χ^2/NDF : 293.7/15

Right Out: -27.906 ± 1.137 χ^2/NDF : 413.4/18

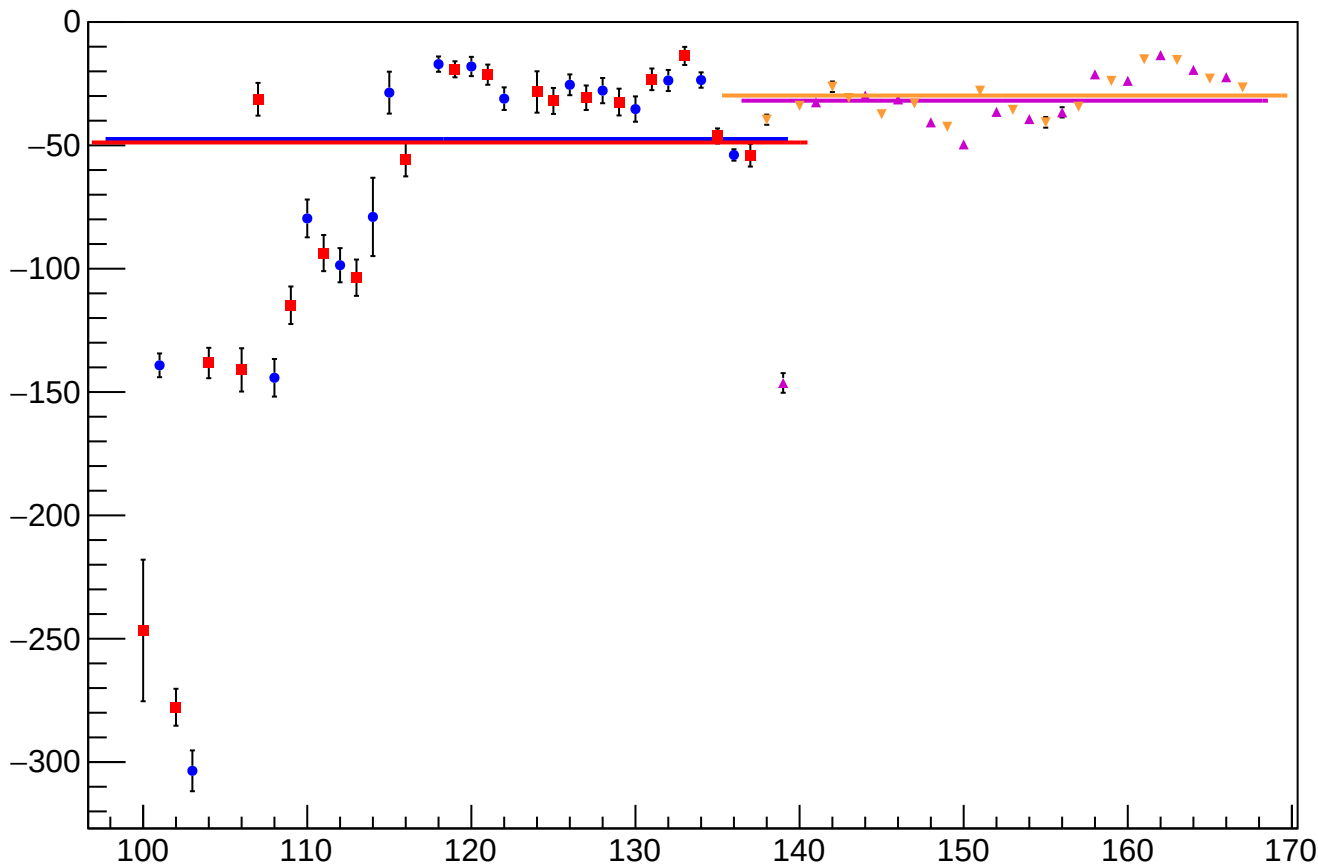
Left In: -45.445 ± 0.636 χ^2/NDF : 376.2/13

+ sign -41.515 ± 0.521 χ^2/NDF : 794.2/31

All: -41.399 ± 0.380 χ^2/NDF : 1765.2/64

- sign -41.268 ± 0.555 χ^2/NDF : 970.9/32

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421 ± 1.101 χ^2/NDF : 1873.5/15

Left Out: -29.799 ± 0.424 χ^2/NDF : 355.4/15

Right Out: -48.831 ± 1.182 χ^2/NDF : 1774.6/18

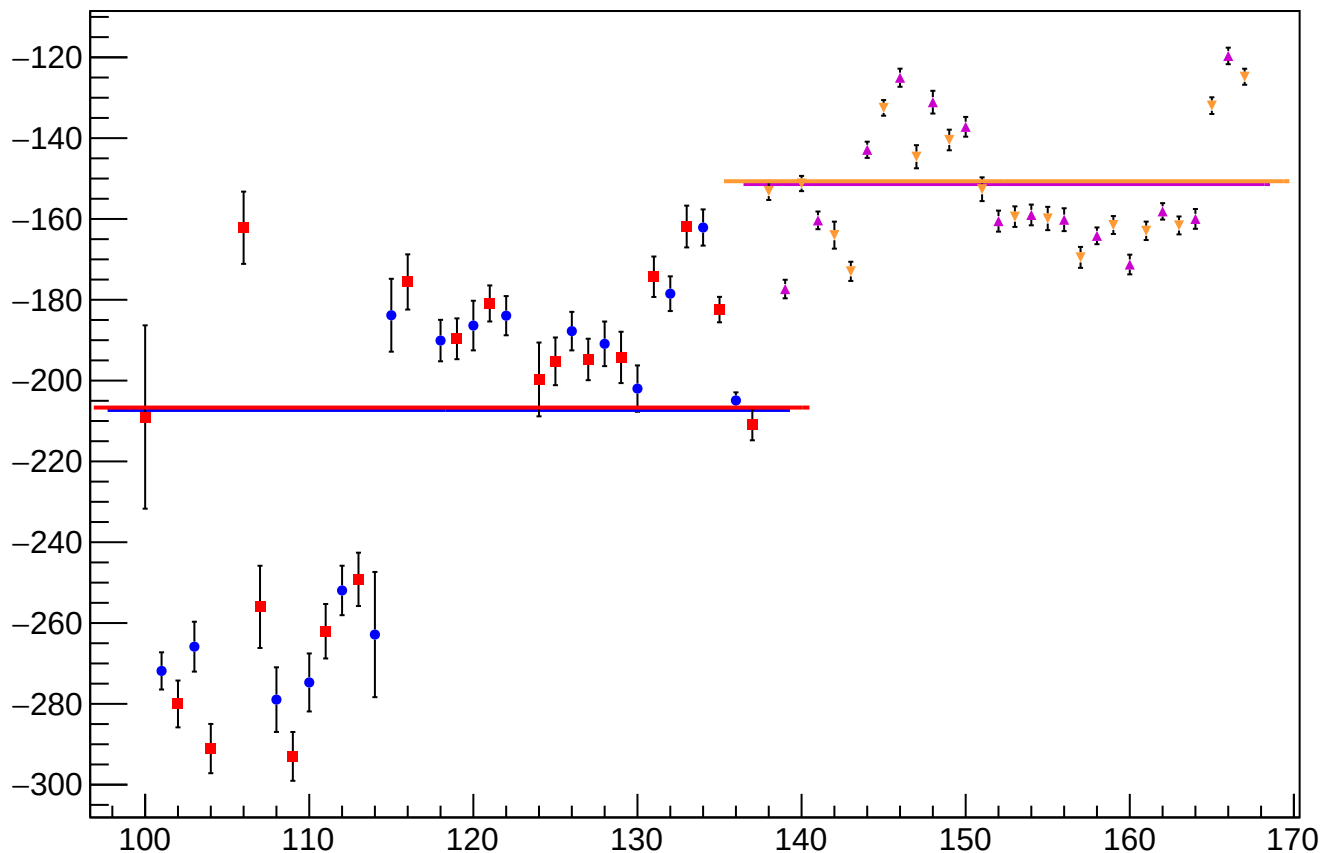
Left In: -31.888 ± 0.453 χ^2/NDF : 1267.1/13

+ sign -32.076 ± 0.396 χ^2/NDF : 2452.0/31

All: -33.000 ± 0.289 χ^2/NDF : 5684.5/64

- sign -34.054 ± 0.423 χ^2/NDF : 3220.8/32

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266 ± 1.178 $\chi^2/\text{NDF}: 748.5/15$

Left Out: -150.662 ± 0.585 $\chi^2/\text{NDF}: 618.9/15$

Right Out: -206.673 ± 1.279 $\chi^2/\text{NDF}: 969.4/18$

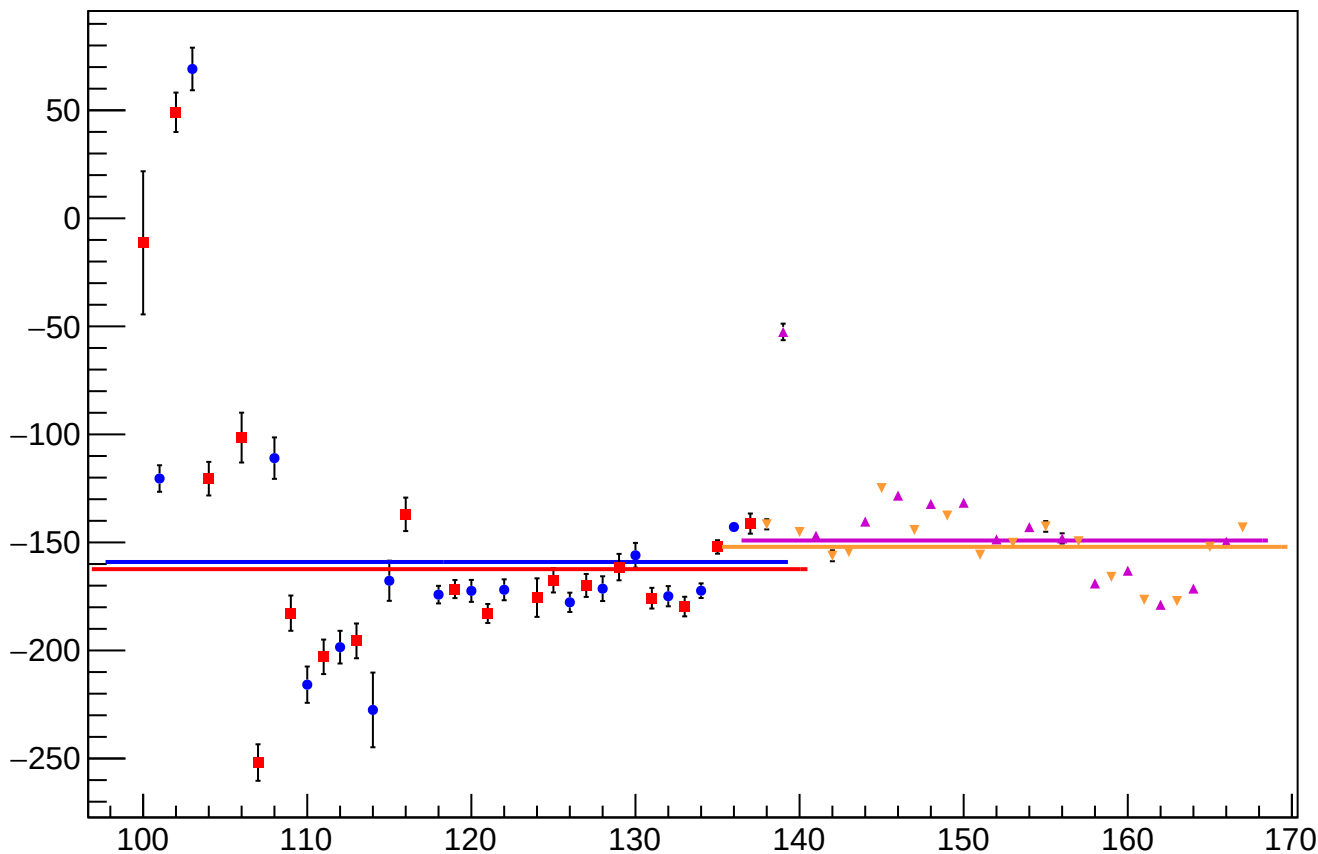
Left In: -151.357 ± 0.618 $\chi^2/\text{NDF}: 786.0/13$

+ sign -161.841 ± 0.524 $\chi^2/\text{NDF}: 3219.3/31$

All: -161.837 ± 0.381 $\chi^2/\text{NDF}: 6489.9/64$

- sign -161.833 ± 0.557 $\chi^2/\text{NDF}: 3270.6/32$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048 ± 1.225 χ^2/NDF : 815.8/15

Left Out: -152.049 ± 0.487 χ^2/NDF : 875.5/15

Right Out: -162.370 ± 1.324 χ^2/NDF : 872.6/18

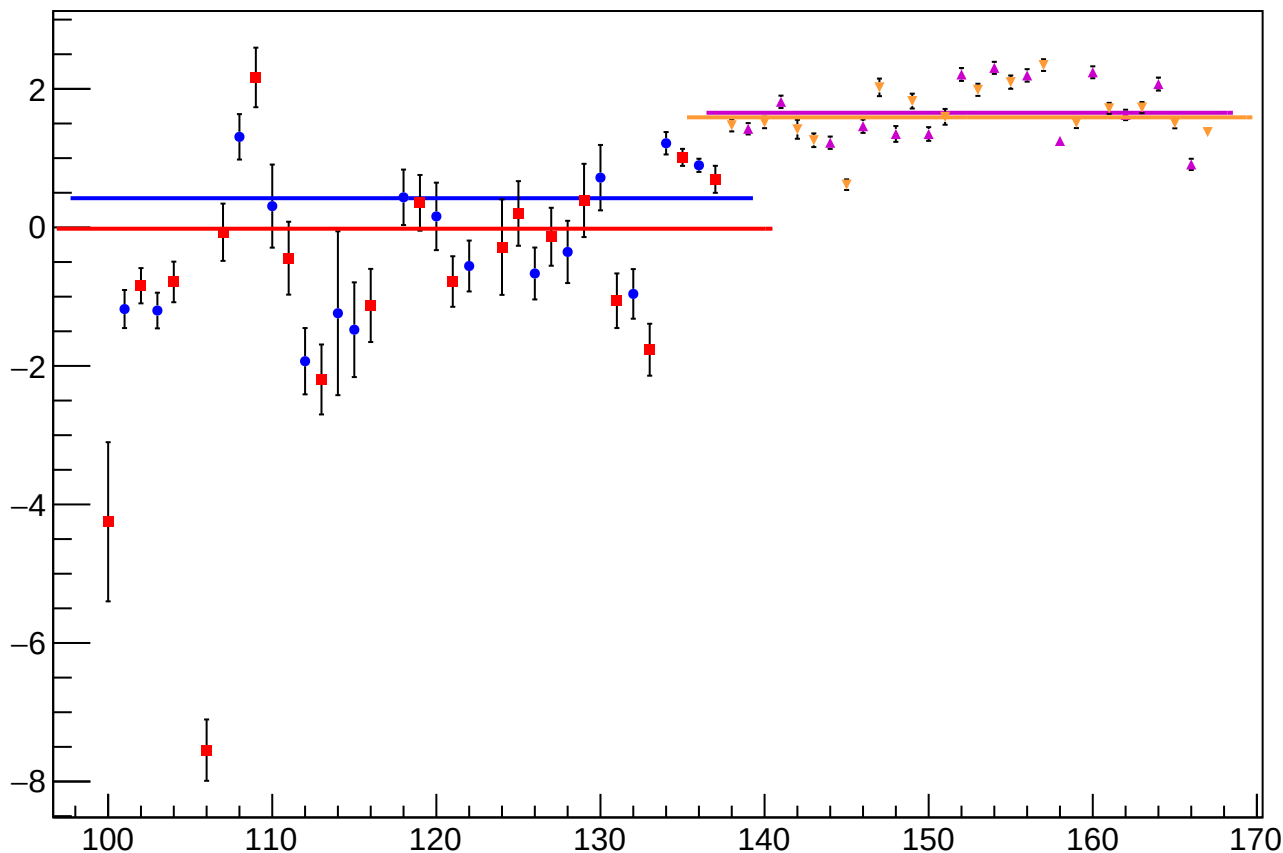
Left In: -149.107 ± 0.518 χ^2/NDF : 1602.7/13

+ sign -153.002 ± 0.452 χ^2/NDF : 1719.4/31

All: -152.005 ± 0.330 χ^2/NDF : 4292.1/64

- sign -150.870 ± 0.483 χ^2/NDF : 2562.3/32

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421 ± 0.065 χ^2/NDF : 197.6/15

Left Out: 1.589 ± 0.022 χ^2/NDF : 336.5/15

Right Out: -0.019 ± 0.072 χ^2/NDF : 488.2/18

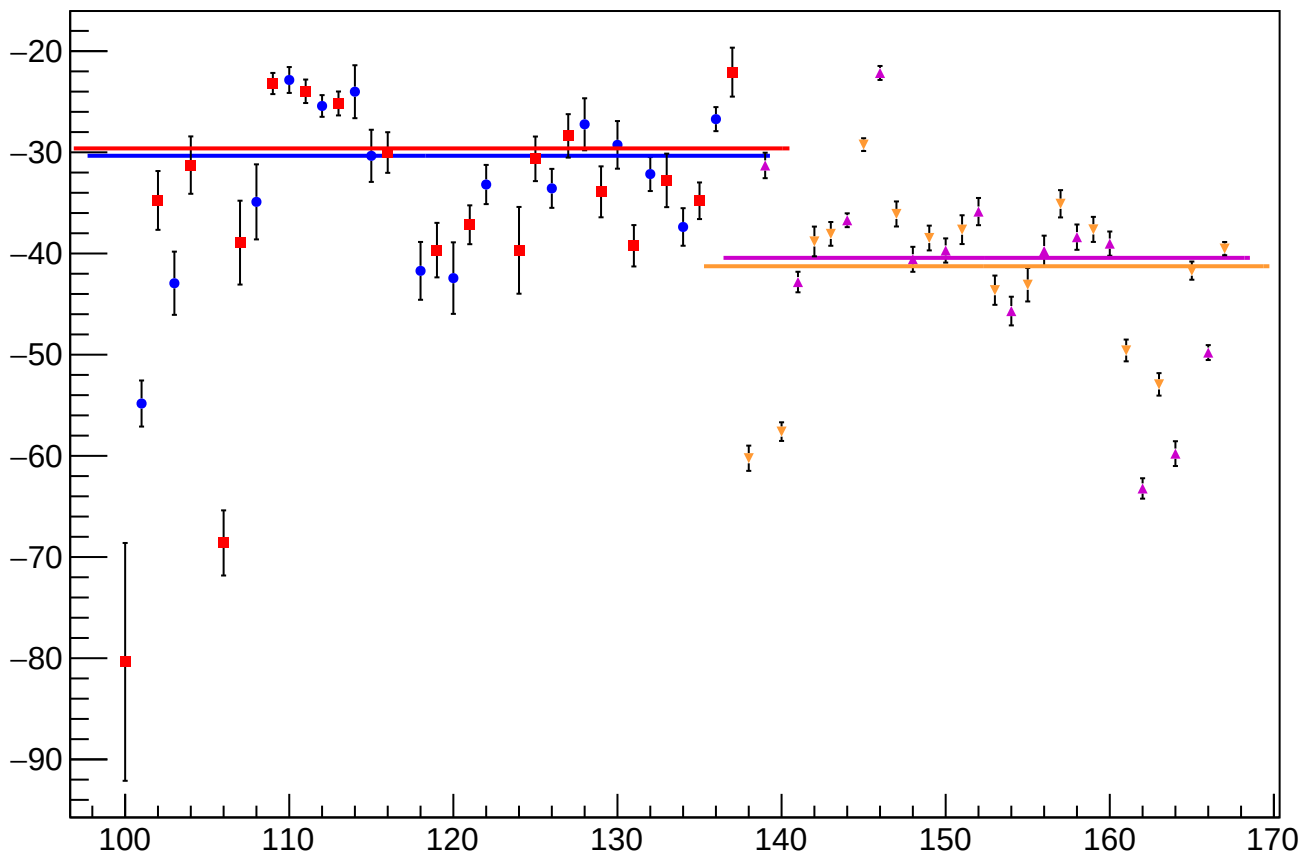
Left In: 1.655 ± 0.023 χ^2/NDF : 363.9/13

+ sign 1.467 ± 0.021 χ^2/NDF : 824.8/31

All: 1.481 ± 0.015 χ^2/NDF : 2162.6/64

- sign 1.496 ± 0.022 χ^2/NDF : 1337.0/32

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341 ± 0.468 χ^2/NDF : 253.6/15

Left Out: -41.260 ± 0.261 χ^2/NDF : 1158.7/15

Right Out: -29.613 ± 0.450 χ^2/NDF : 329.2/18

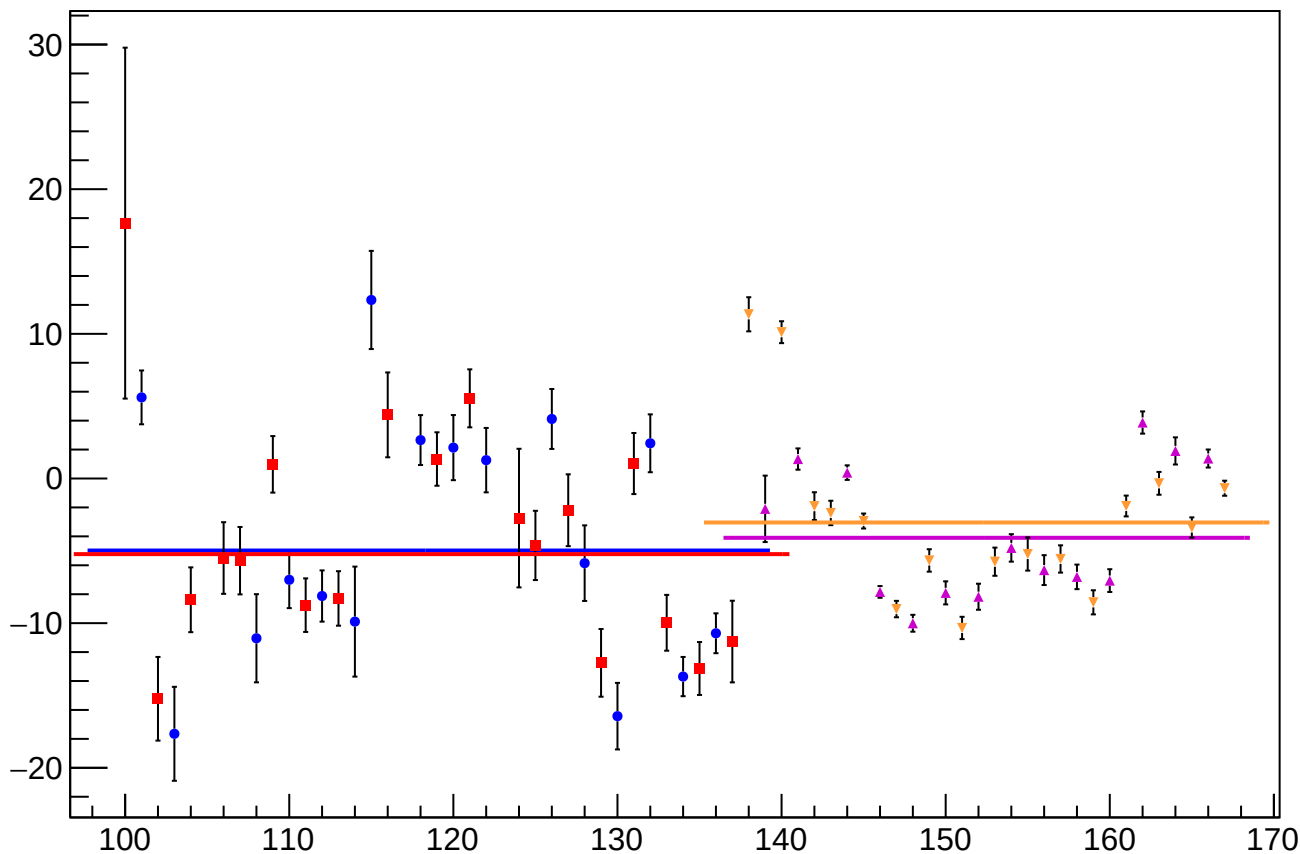
Left In: -40.431 ± 0.272 χ^2/NDF : 1738.5/13

+ sign -38.661 ± 0.228 χ^2/NDF : 1827.3/31

All: -38.111 ± 0.163 χ^2/NDF : 4329.4/64

- sign -37.537 ± 0.233 χ^2/NDF : 2490.2/32

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980 ± 0.510 χ^2/NDF : 237.3/15

Left Out: -3.041 ± 0.186 χ^2/NDF : 762.7/15

Right Out: -5.228 ± 0.524 χ^2/NDF : 136.5/18

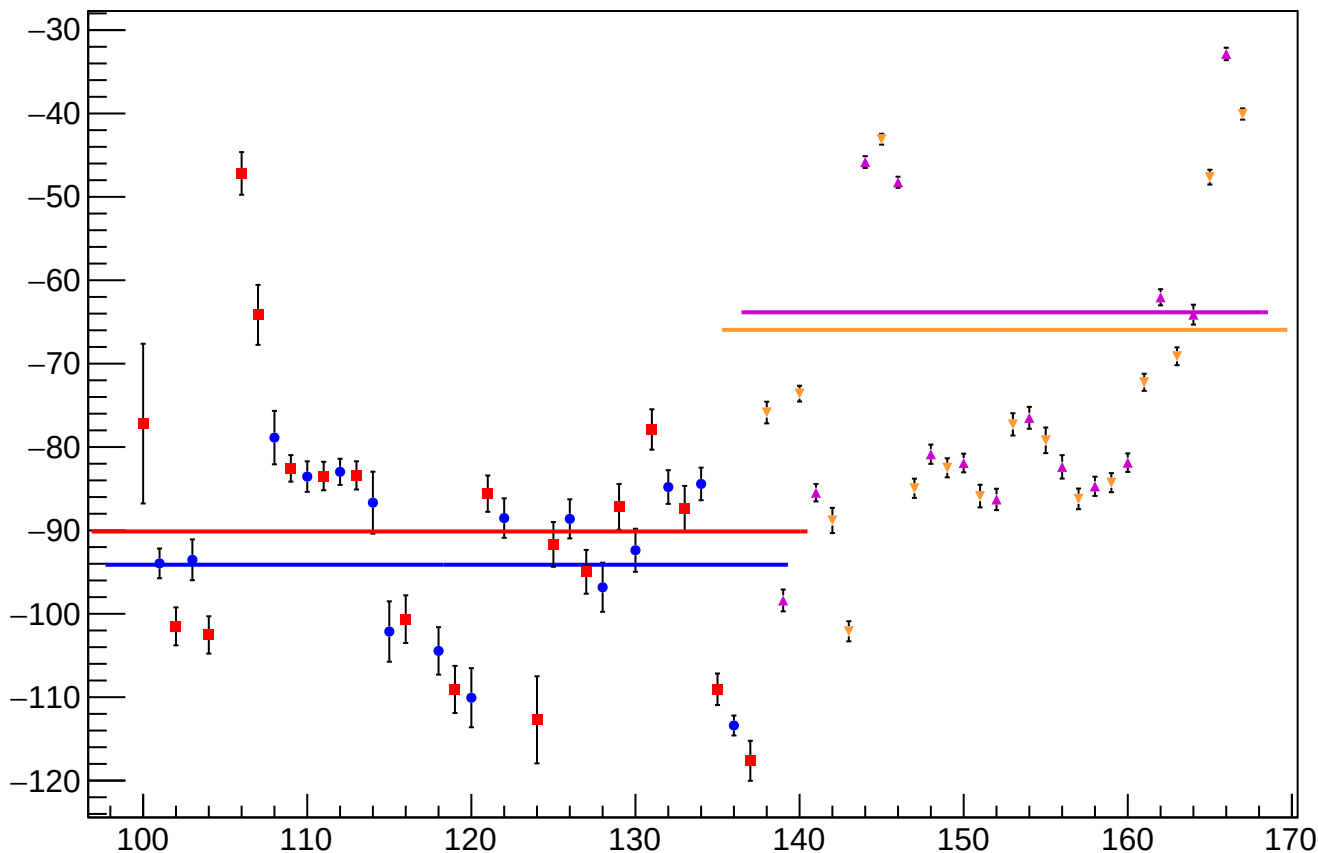
Left In: -4.100 ± 0.188 χ^2/NDF : 622.6/13

+ sign -3.270 ± 0.175 χ^2/NDF : 1012.8/31

All: -3.744 ± 0.124 χ^2/NDF : 1790.8/64

- sign -4.229 ± 0.177 χ^2/NDF : 763.1/32

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115 ± 0.537 $\chi^2/\text{NDF}: 466.8/15$

Left Out: -65.947 ± 0.259 $\chi^2/\text{NDF}: 5807.7/15$

Right Out: -90.127 ± 0.543 $\chi^2/\text{NDF}: 789.3/18$

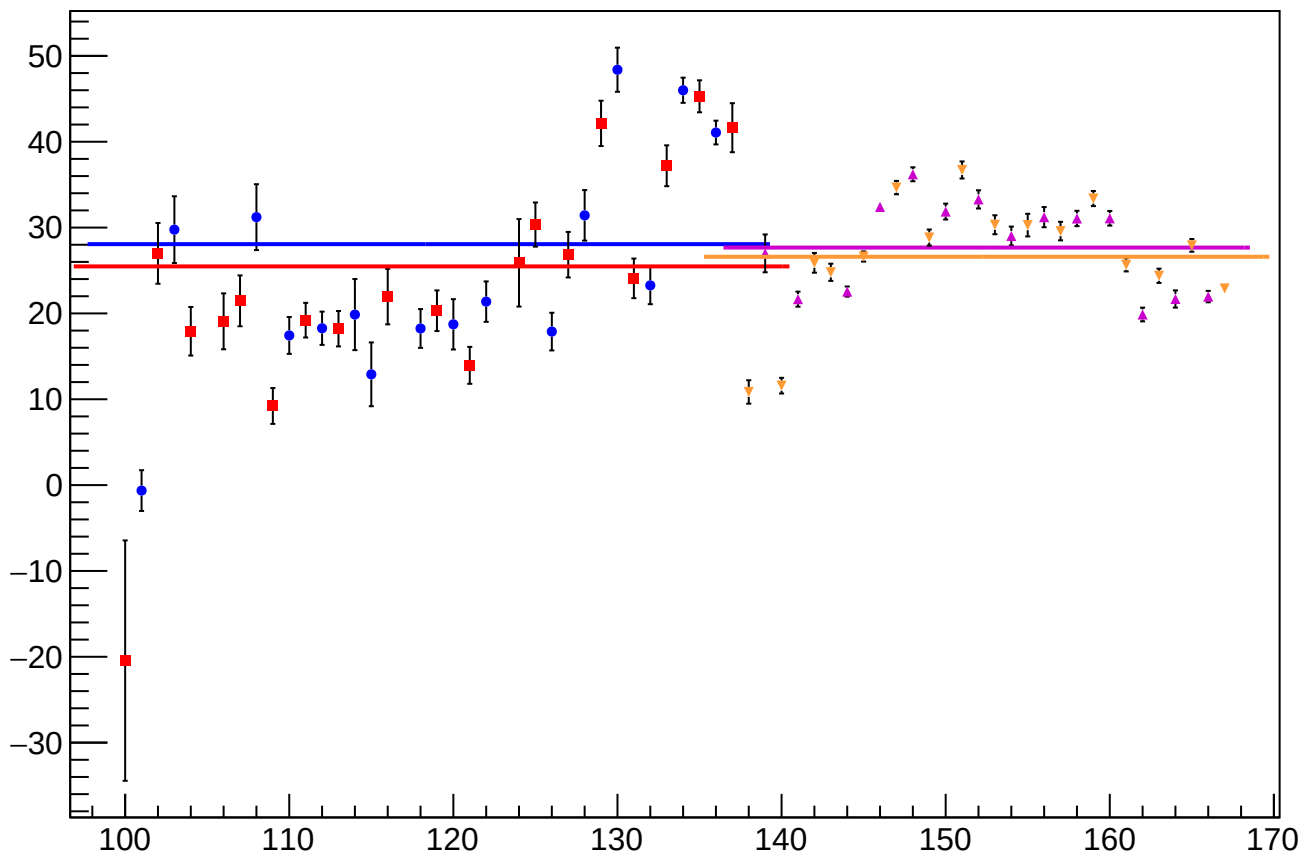
Left In: -63.839 ± 0.266 $\chi^2/\text{NDF}: 5675.2/13$

+ sign -71.252 ± 0.233 $\chi^2/\text{NDF}: 8507.6/31$

All: -70.121 ± 0.167 $\chi^2/\text{NDF}: 16910.6/64$

- sign -68.932 ± 0.239 $\chi^2/\text{NDF}: 8354.7/32$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068 ± 0.569 χ^2/NDF : 583.1/15

Left Out: 26.600 ± 0.214 χ^2/NDF : 764.4/15

Right Out: 25.477 ± 0.590 χ^2/NDF : 354.6/18

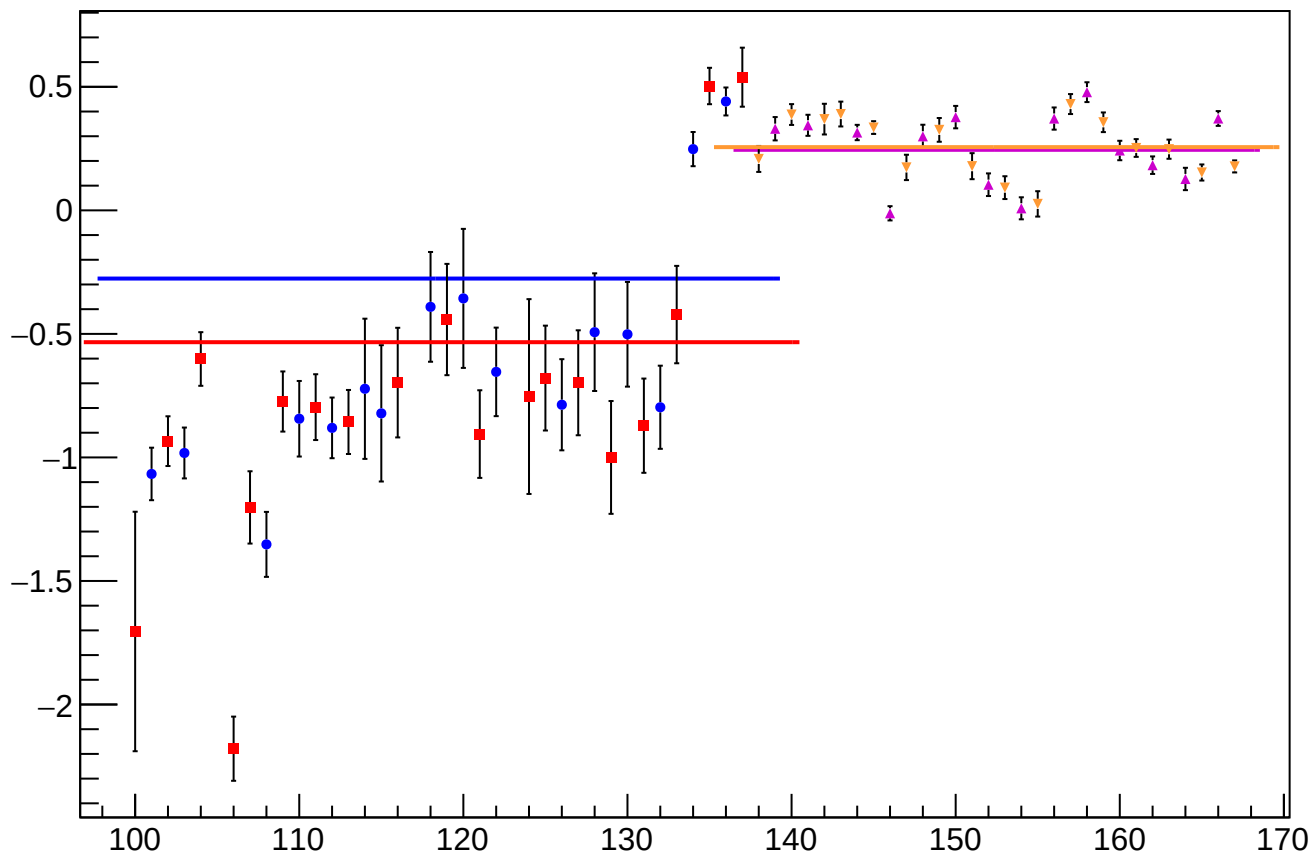
Left In: 27.669 ± 0.219 χ^2/NDF : 613.0/13

+ sign 26.783 ± 0.201 χ^2/NDF : 1353.3/31

All: 27.085 ± 0.144 χ^2/NDF : 2337.7/64

- sign 27.403 ± 0.206 χ^2/NDF : 979.7/32

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276 ± 0.031 χ^2/NDF : 455.6/15

Left Out: 0.256 ± 0.010 χ^2/NDF : 115.1/15

Right Out: -0.534 ± 0.033 χ^2/NDF : 510.3/18

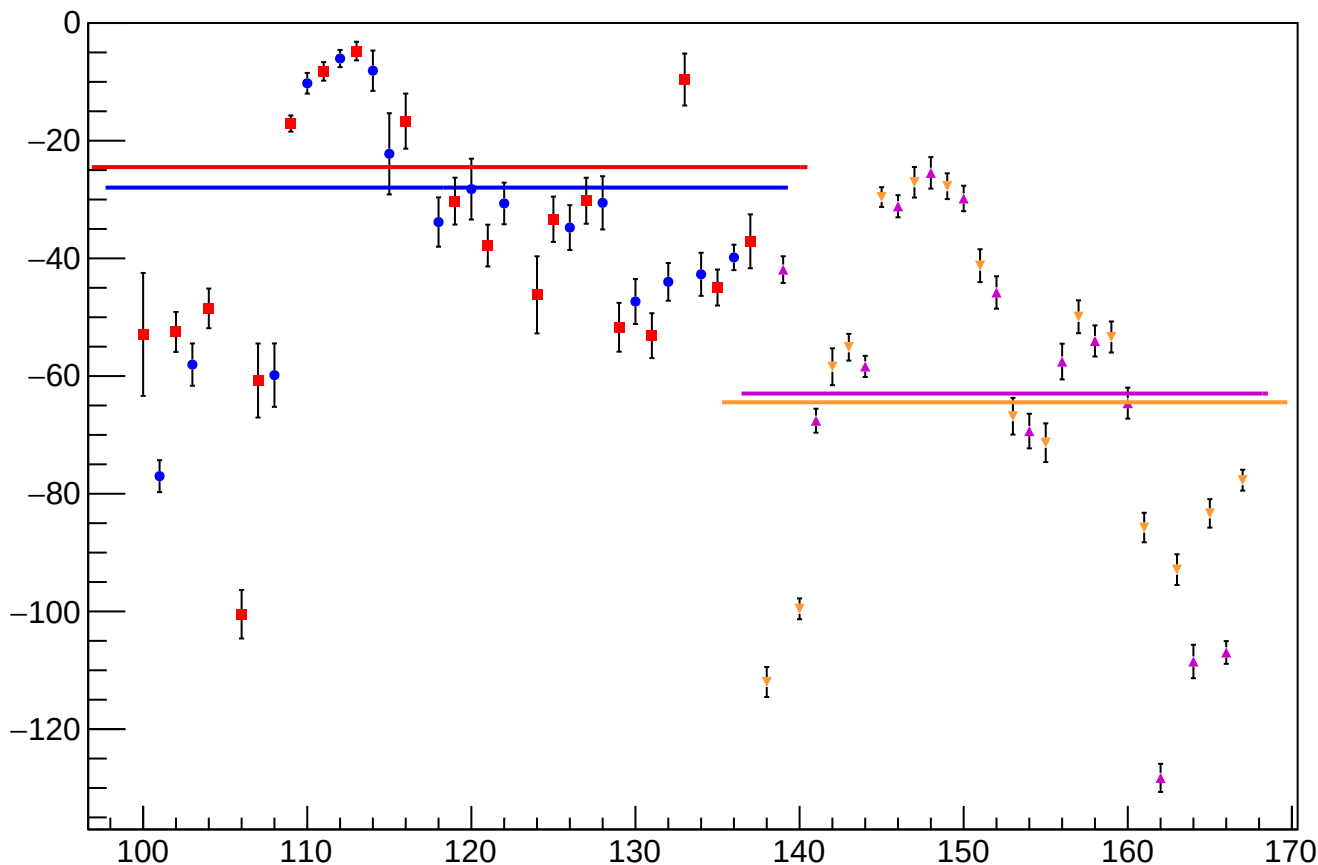
Left In: 0.245 ± 0.010 χ^2/NDF : 210.2/13

+ sign 0.206 ± 0.009 χ^2/NDF : 844.1/31

All: 0.191 ± 0.007 χ^2/NDF : 2081.1/64

- sign 0.175 ± 0.010 χ^2/NDF : 1231.5/32

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967 ± 0.728 χ^2/NDF : 894.7/15

Left Out: -64.448 ± 0.590 χ^2/NDF : 2109.4/15

Right Out: -24.485 ± 0.663 χ^2/NDF : 989.7/18

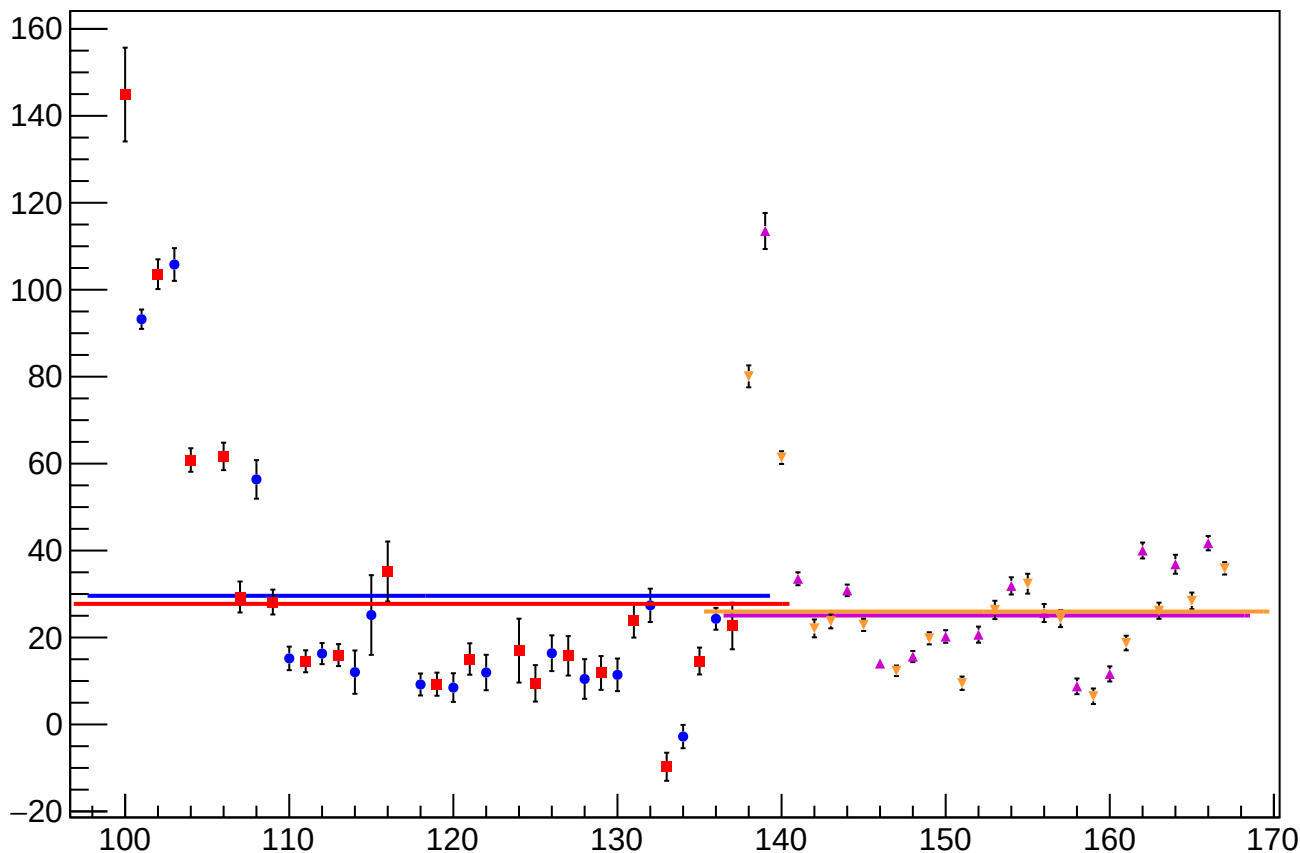
Left In: -62.966 ± 0.621 χ^2/NDF : 2397.5/13

+ sign -49.967 ± 0.458 χ^2/NDF : 4520.1/31

All: -47.447 ± 0.322 χ^2/NDF : 9762.4/64

- sign -44.985 ± 0.453 χ^2/NDF : 5182.6/32

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594 $\pm$ 0.807 χ^2 /NDF: 1665.7/15

Left Out: 25.985 $\pm$ 0.417 χ^2 /NDF:1509.5/15

Right Out: 27.736 $\pm$ 0.797 χ^2 /NDF: 1185.1/18

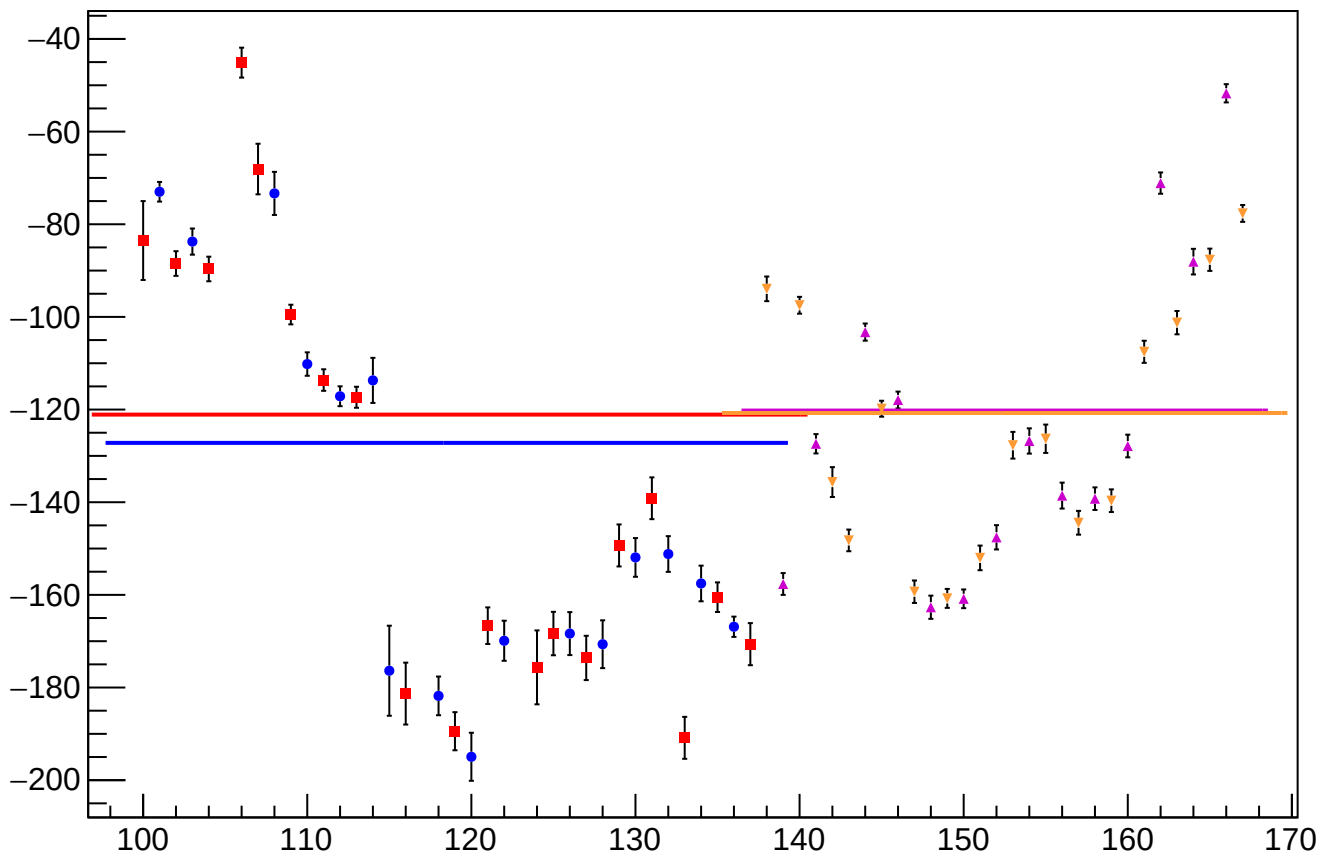
Left In: 25.061 $\pm$ 0.438 χ^2 /NDF:1022.7/13

+ sign 26.745 $\pm$ 0.370 χ^2 /NDF: 3191.0/31

All: 26.231 $\pm$ 0.266 χ^2 /NDF: 5411.4/64

- sign 25.681 $\pm$ 0.384 χ^2 /NDF: 2216.5/32

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF : 2178.2/15

Left Out: -120.737+/-0.581 χ^2/NDF : 2192.9/15

Right Out: -121.086+/-0.798 χ^2/NDF : 2397.3/18

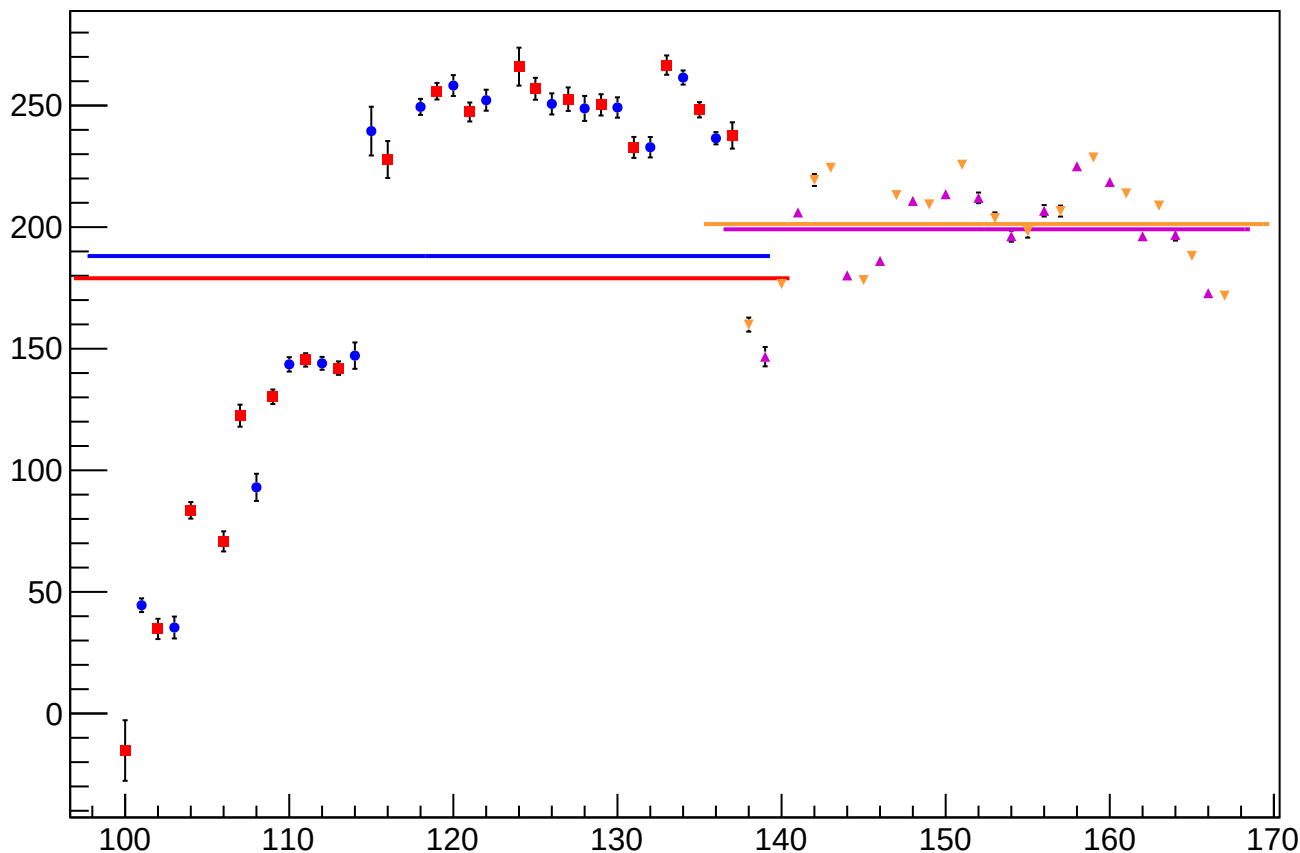
Left In: -120.214+/-0.605 χ^2/NDF : 3071.3/13

+ sign -122.860+/-0.476 χ^2/NDF : 4411.7/31

All: -121.711+/-0.339 χ^2/NDF : 9892.9/64

- sign -120.532+/-0.482 χ^2/NDF : 5469.4/32

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107 ± 0.918 χ^2/NDF : 7118.6/15

Left Out: 201.258 ± 0.483 χ^2/NDF : 1721.5/15

Right Out: 178.971 ± 0.908 χ^2/NDF : 6668.8/18

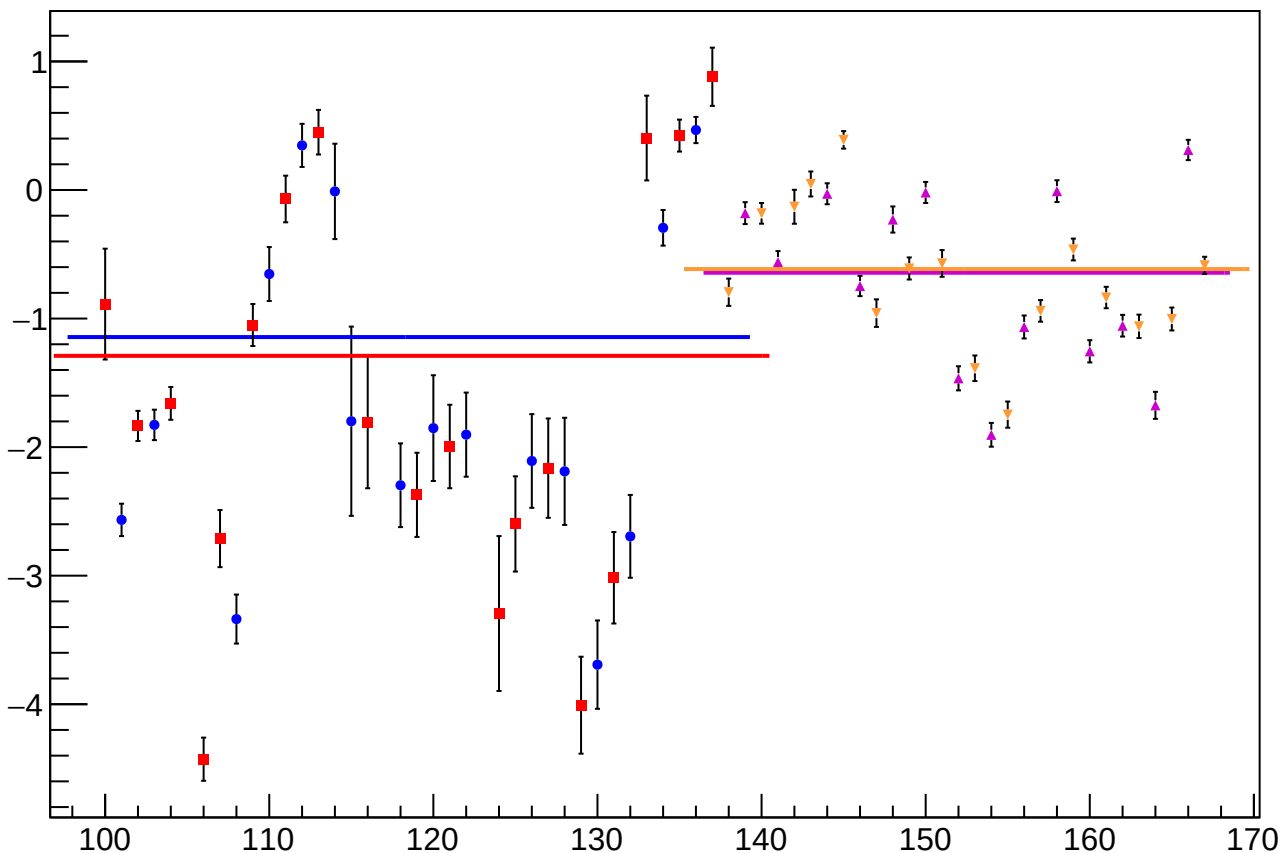
Left In: 199.111 ± 0.506 χ^2/NDF : 1108.6/13

+ sign 198.405 ± 0.428 χ^2/NDF : 9000.8/31

All: 196.438 ± 0.307 χ^2/NDF : 17197.3/64

- sign 194.333 ± 0.442 χ^2/NDF : 8152.6/32

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144 ± 0.048 χ^2/NDF : 787.4/15

Left Out: -0.615 ± 0.022 χ^2/NDF : 571.5/15

Right Out: -1.290 ± 0.047 χ^2/NDF : 998.3/18

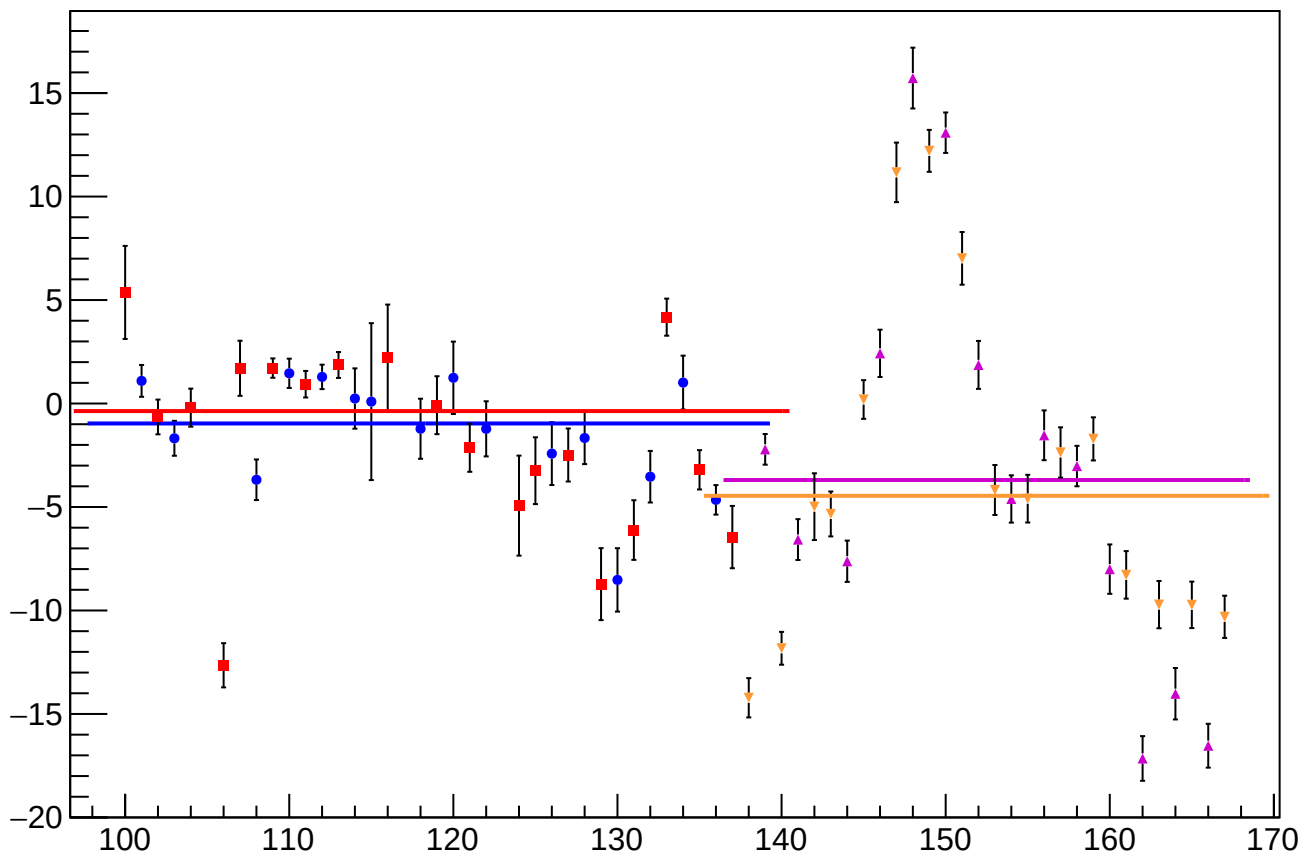
Left In: -0.644 ± 0.023 χ^2/NDF : 821.1/13

+ sign -0.708 ± 0.020 χ^2/NDF : 1459.0/31

All: -0.737 ± 0.014 χ^2/NDF : 3432.4/64

- sign -0.769 ± 0.021 χ^2/NDF : 1969.0/32

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964 ± 0.253 $\chi^2/\text{NDF}: 103.2/15$

Left Out: -4.459 ± 0.272 $\chi^2/\text{NDF}: 784.5/15$

Right Out: -0.365 ± 0.224 $\chi^2/\text{NDF}: 280.6/18$

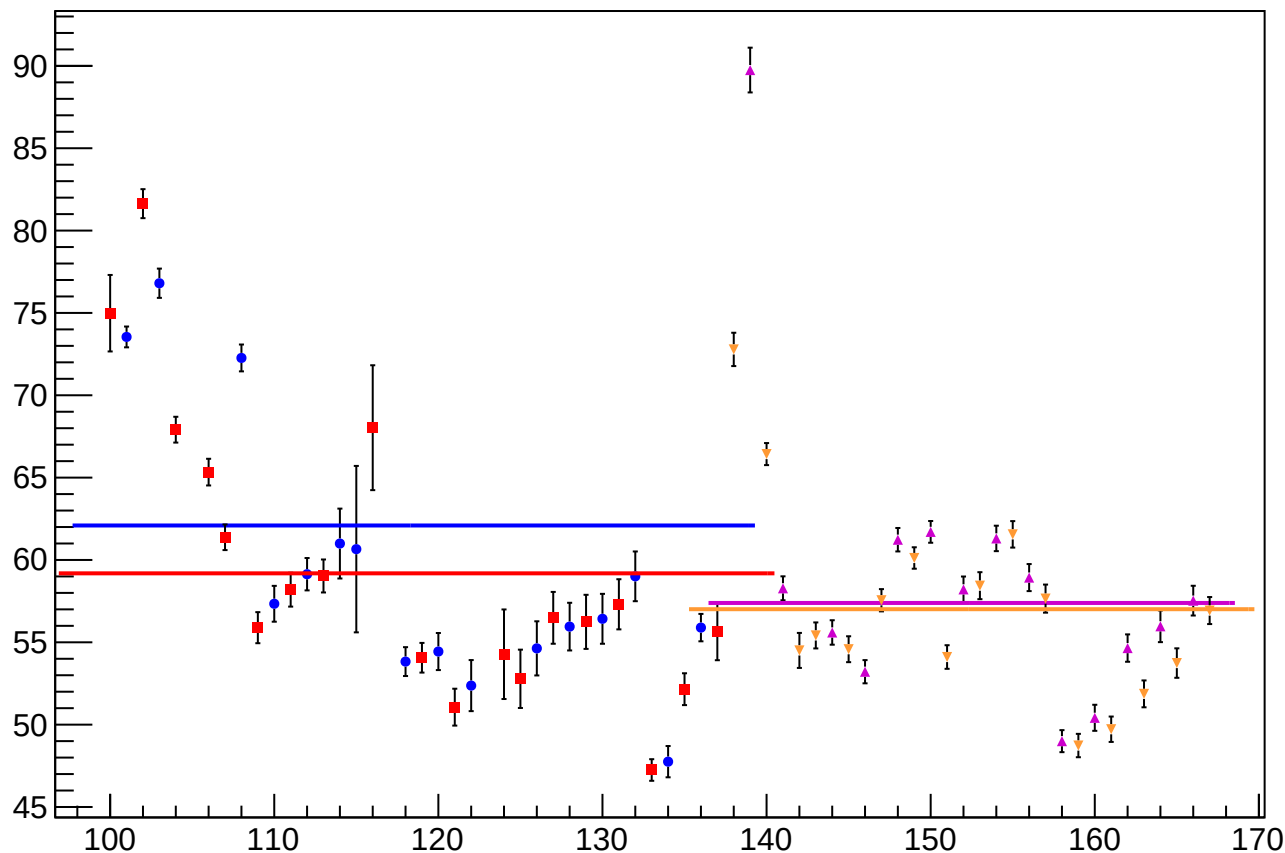
Left In: -3.697 ± 0.283 $\chi^2/\text{NDF}: 938.6/13$

+ sign -2.584 ± 0.185 $\chi^2/\text{NDF}: 976.0/31$

All: -2.089 ± 0.127 $\chi^2/\text{NDF}: 2293.9/64$

- sign -1.646 ± 0.176 $\chi^2/\text{NDF}: 1304.4/32$

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094 $\pm$ 0.265 χ^2 /NDF: 1301.3/15

Left Out: 57.010 $\pm$ 0.196 χ^2 /NDF: 814.0/15

Right Out: 59.188 $\pm$ 0.244 χ^2 /NDF: 1402.1/18

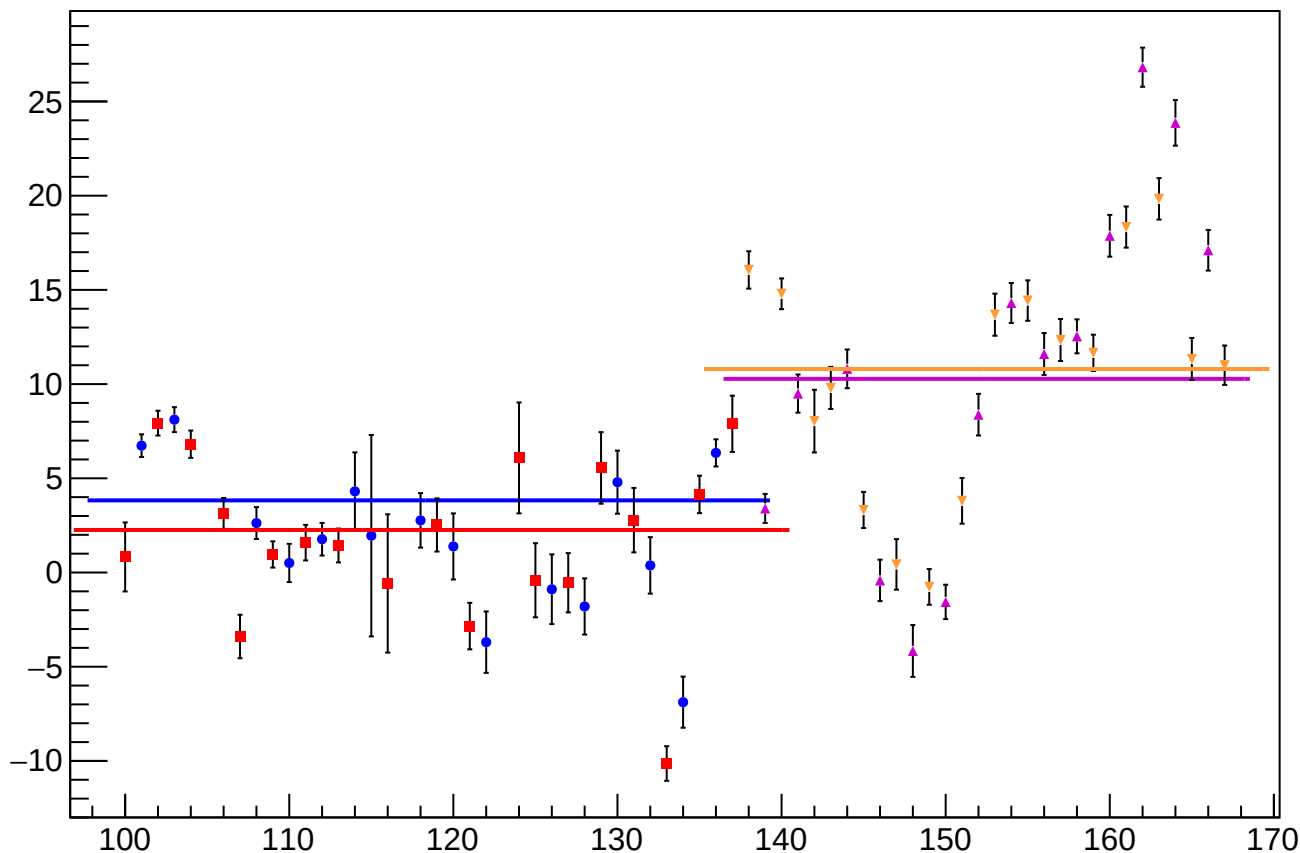
Left In: 57.389 $\pm$ 0.209 χ^2 /NDF: 959.8/13

+ sign 58.800 $\pm$ 0.157 χ^2 /NDF: 2353.0/31

All: 58.478 $\pm$ 0.112 χ^2 /NDF: 4754.8/64

- sign 58.151 $\pm$ 0.159 χ^2 /NDF: 2393.3/32

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828 ± 0.265 $\chi^2/\text{NDF}: 208.6/15$

Left Out: 10.801 ± 0.267 $\chi^2/\text{NDF}: 494.8/15$

Right Out: 2.257 ± 0.246 $\chi^2/\text{NDF}: 371.9/18$

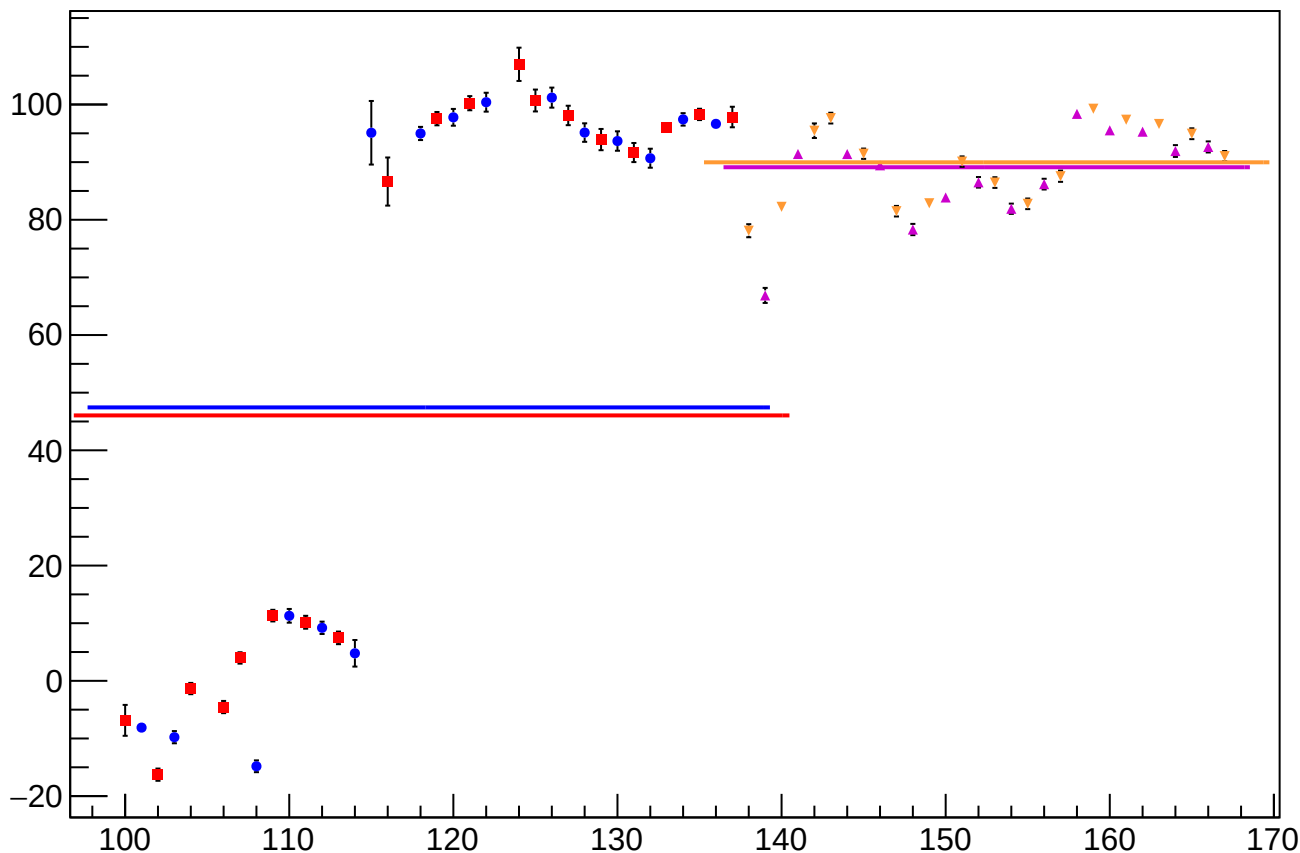
Left In: 10.278 ± 0.275 $\chi^2/\text{NDF}: 946.1/13$

+ sign 7.295 ± 0.188 $\chi^2/\text{NDF}: 1047.0/31$

All: 6.543 ± 0.131 $\chi^2/\text{NDF}: 2867.6/64$

- sign 5.826 ± 0.184 $\chi^2/\text{NDF}: 1789.4/32$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443 $\pm$ 0.308 χ^2 /NDF: 26886.9/15

Left Out: 89.969 $\pm$ 0.224 χ^2 /NDF: 869.1/15

Right Out: 46.053 $\pm$ 0.284 χ^2 /NDF: 28897.8/18

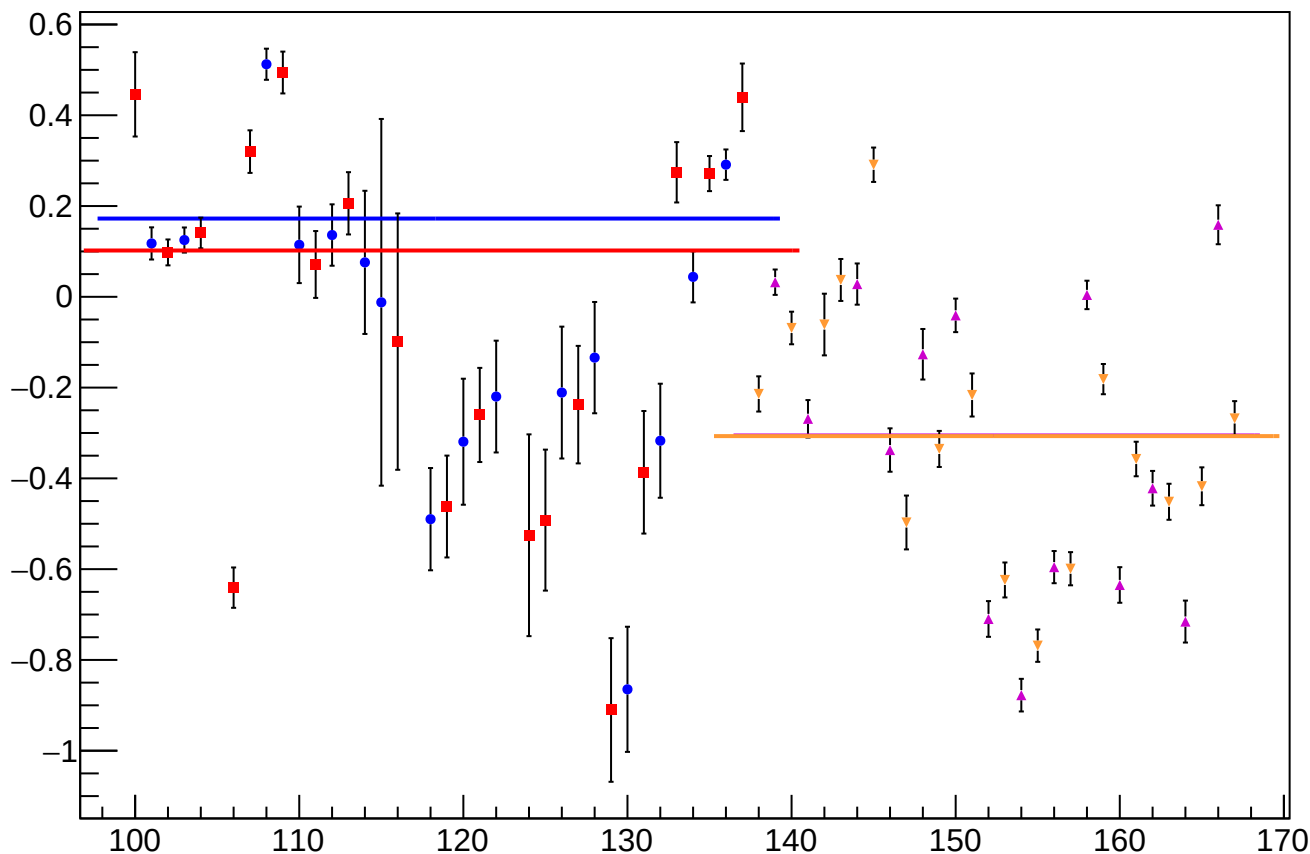
Left In: 89.113 $\pm$ 0.237 χ^2 /NDF: 859.9/13

+ sign 75.220 $\pm$ 0.181 χ^2 /NDF: 40203.3/31

All: 73.336 $\pm$ 0.129 χ^2 /NDF: 83687.5/64

- sign 71.436 $\pm$ 0.182 χ^2 /NDF: 43267.5/32

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172 ± 0.014 $\chi^2/\text{NDF}: 265.0/15$

Left Out: -0.307 ± 0.010 $\chi^2/\text{NDF}: 718.5/15$

Right Out: 0.102 ± 0.013 $\chi^2/\text{NDF}: 558.7/18$

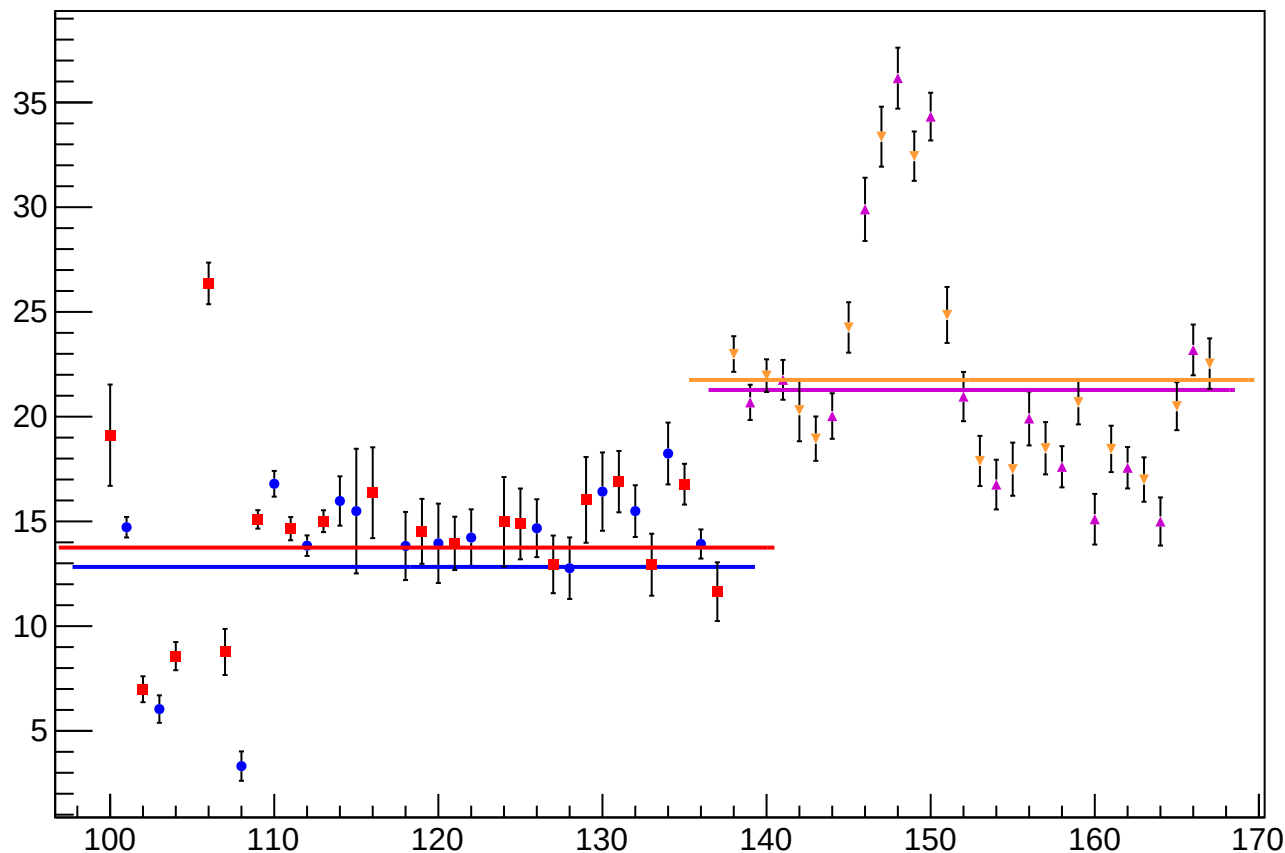
Left In: -0.305 ± 0.010 $\chi^2/\text{NDF}: 1062.0/13$

+ sign -0.146 ± 0.008 $\chi^2/\text{NDF}: 1745.7/31$

All: -0.150 ± 0.006 $\chi^2/\text{NDF}: 3945.5/64$

- sign -0.155 ± 0.008 $\chi^2/\text{NDF}: 2199.2/32$

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827 $\pm$ 0.214 χ^2 /NDF: 388.0/15

Left Out: 21.754 $\pm$ 0.279 χ^2 /NDF: 227.9/15

Right Out: 13.750 $\pm$ 0.204 χ^2 /NDF: 404.0/18

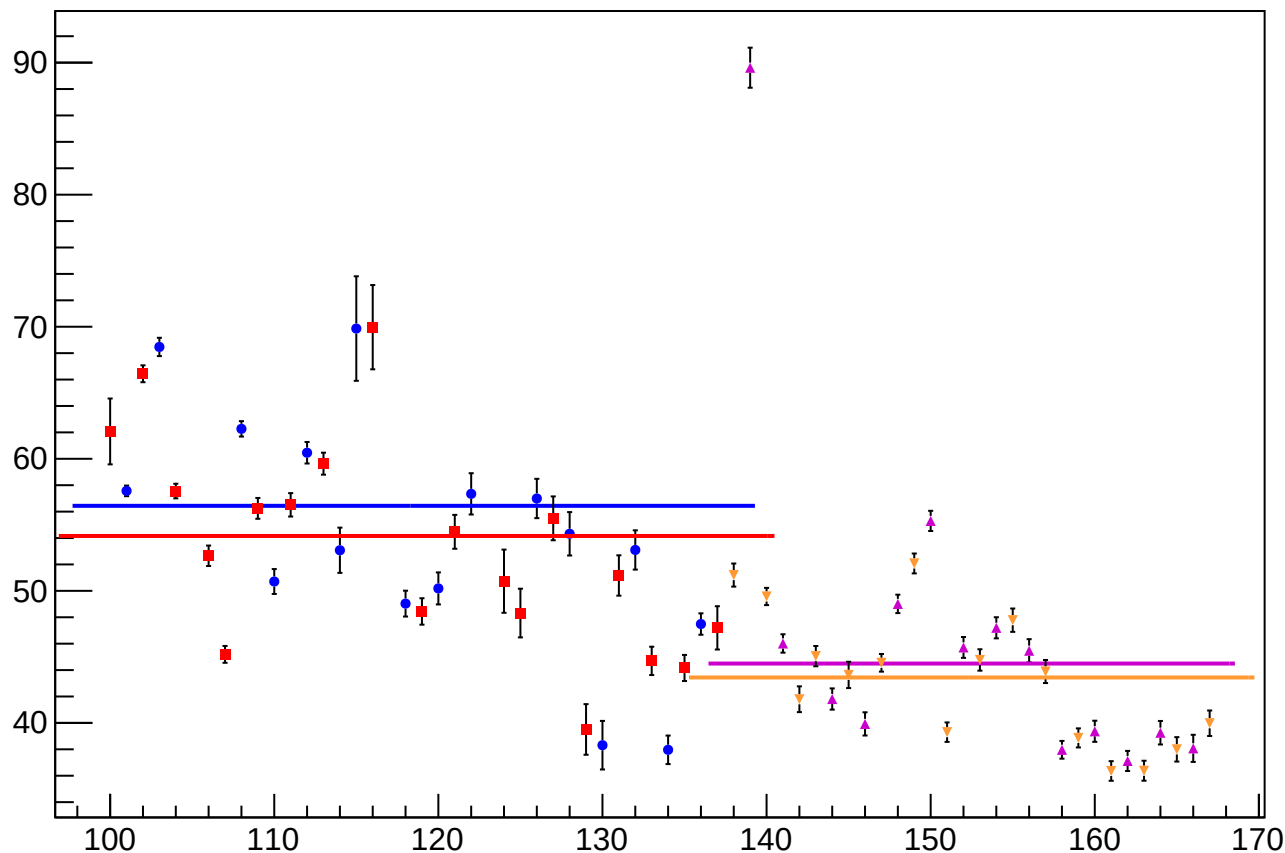
Left In: 21.274 $\pm$ 0.298 χ^2 /NDF: 372.9/13

+ sign 16.133 $\pm$ 0.170 χ^2 /NDF: 1260.0/31

All: 16.144 $\pm$ 0.120 χ^2 /NDF: 2471.0/64

- sign 16.154 $\pm$ 0.168 χ^2 /NDF: 1211.0/32

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438 ± 0.222 χ^2/NDF : 1088.0/15

Left Out: 43.440 ± 0.200 χ^2/NDF : 633.1/15

Right Out: 54.156 ± 0.225 χ^2/NDF : 1006.6/18

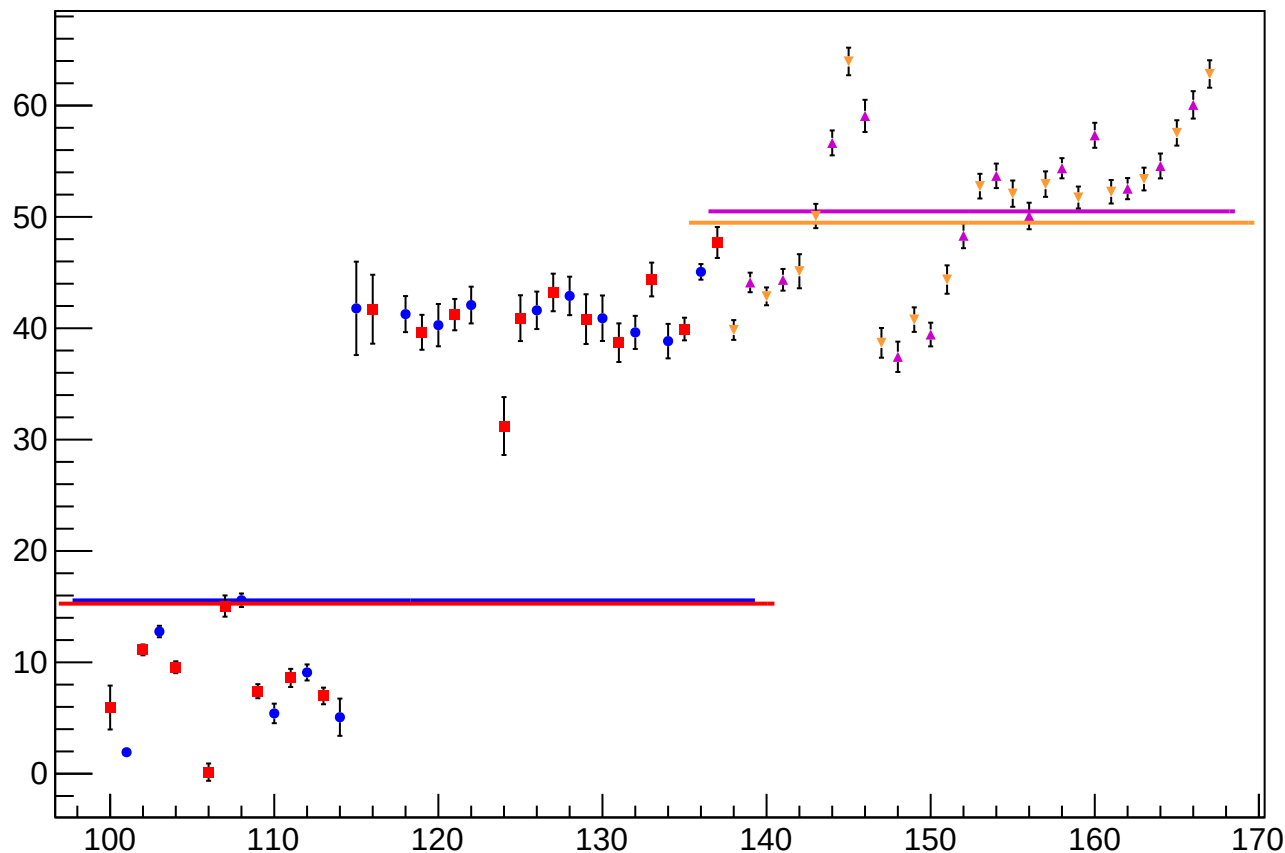
Left In: 44.495 ± 0.217 χ^2/NDF : 1486.9/13

+ sign 49.254 ± 0.148 χ^2/NDF : 3618.8/31

All: 49.207 ± 0.107 χ^2/NDF : 7071.0/64

- sign 49.155 ± 0.156 χ^2/NDF : 3451.9/32

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561 $\pm$ 0.214 χ^2 /NDF: 5176.0/15

Left Out: 49.479 $\pm$ 0.274 χ^2 /NDF: 691.9/15

Right Out: 15.272 $\pm$ 0.219 χ^2 /NDF: 3873.0/18

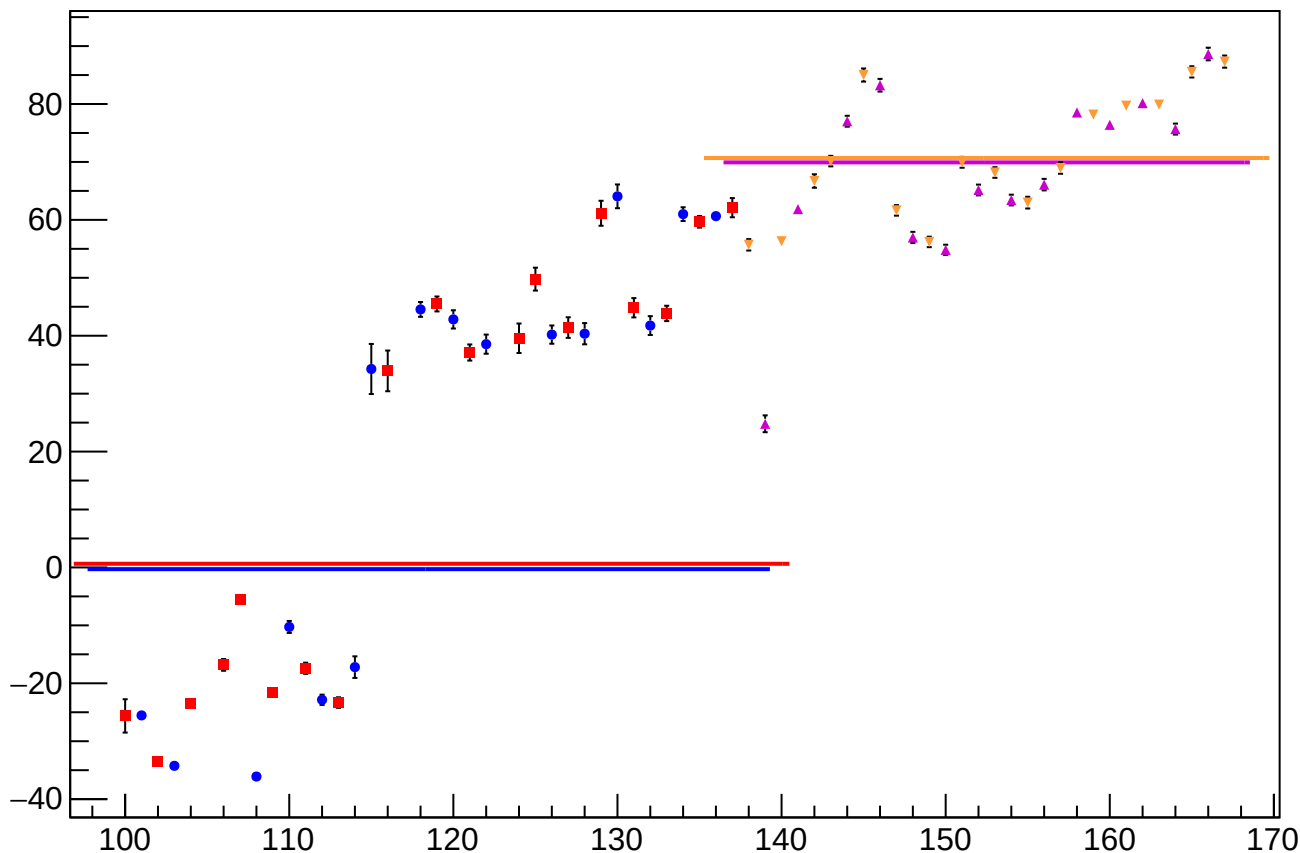
Left In: 50.497 $\pm$ 0.289 χ^2 /NDF: 504.1/13

+ sign 28.435 $\pm$ 0.169 χ^2 /NDF: 15403.6/31

All: 28.285 $\pm$ 0.121 χ^2 /NDF: 29210.5/64

- sign 28.125 $\pm$ 0.175 χ^2 /NDF: 13805.2/32

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296 ± 0.261 χ^2/NDF : 21030.9/15

Left Out: 70.678 ± 0.229 χ^2/NDF : 2008.2/15

Right Out: 0.633 ± 0.264 χ^2/NDF : 16028.1/18

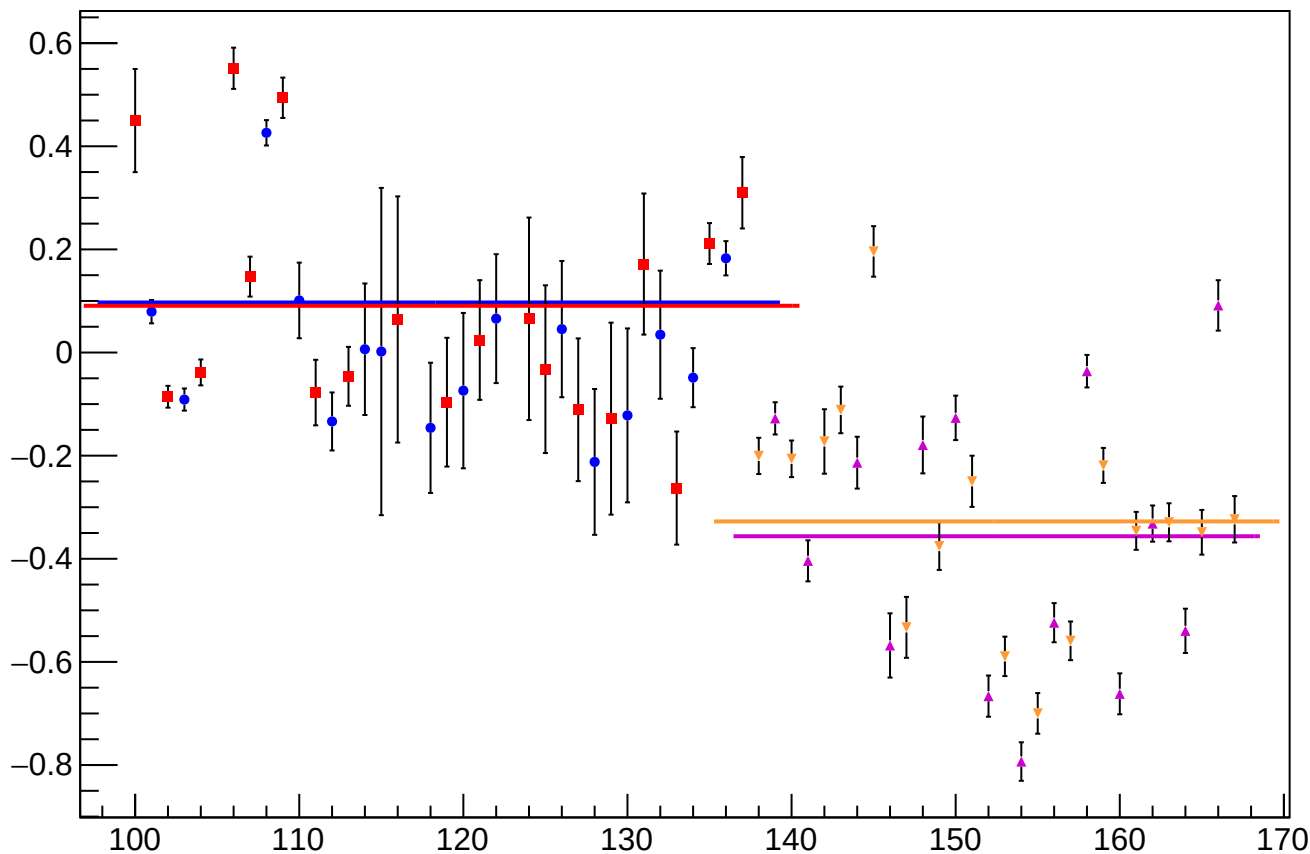
Left In: 69.924 ± 0.246 χ^2/NDF : 2526.9/13

+ sign 39.790 ± 0.172 χ^2/NDF : 64677.0/31

All: 38.754 ± 0.125 χ^2/NDF : 120194.5/64

- sign 37.626 ± 0.180 χ^2/NDF : 55442.1/32

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097 ± 0.011 χ^2/NDF : 299.1/15

Left Out: -0.328 ± 0.010 χ^2/NDF : 368.7/15

Right Out: 0.091 ± 0.011 χ^2/NDF : 399.5/18

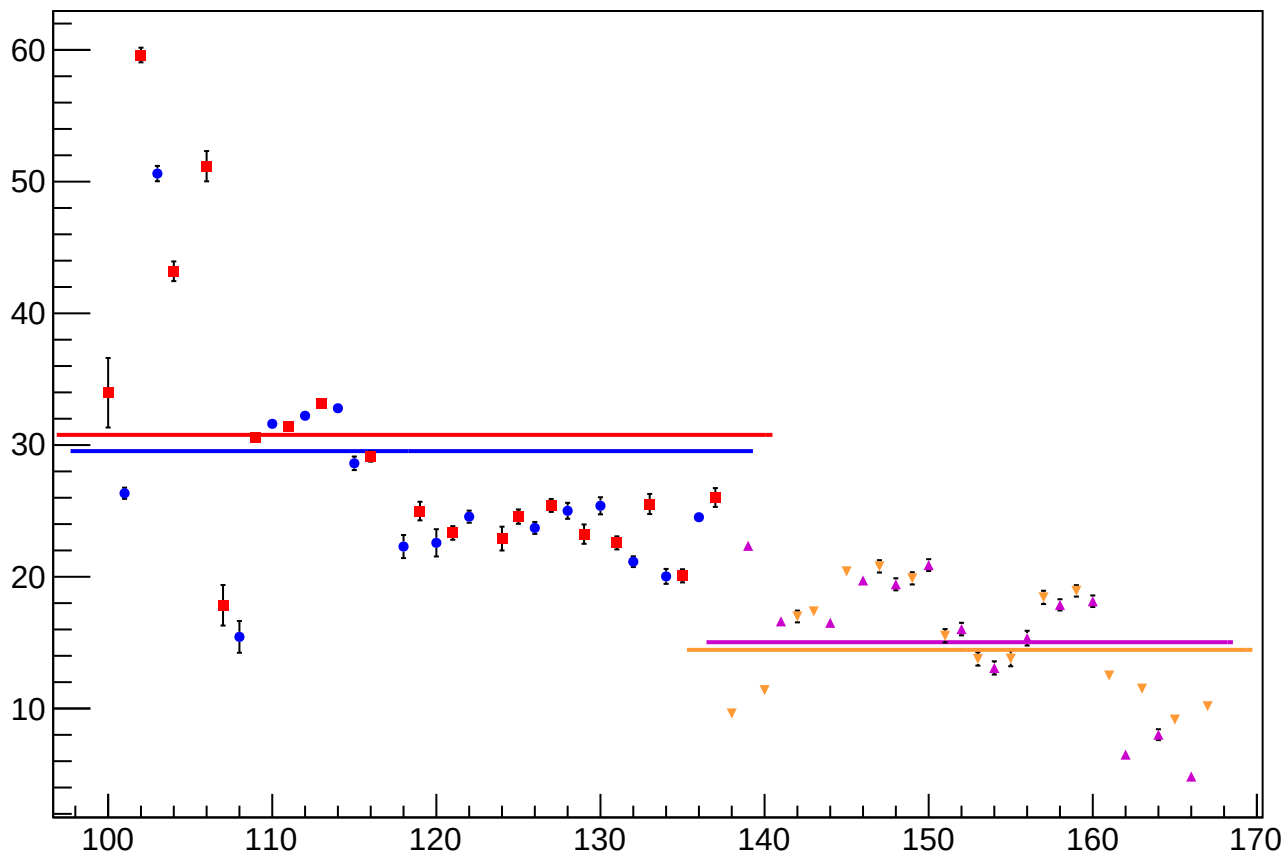
Left In: -0.356 ± 0.011 χ^2/NDF : 594.6/13

+ sign -0.132 ± 0.008 χ^2/NDF : 1441.3/31

All: -0.139 ± 0.005 χ^2/NDF : 3249.6/64

- sign -0.145 ± 0.008 χ^2/NDF : 1806.8/32

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542 $\pm$ 0.092 χ^2 /NDF: 3372.2/15

Left Out: 14.453 $\pm$ 0.095 χ^2 /NDF: 1921.1/15

Right Out: 30.774 $\pm$ 0.080 χ^2 /NDF: 5079.2/18

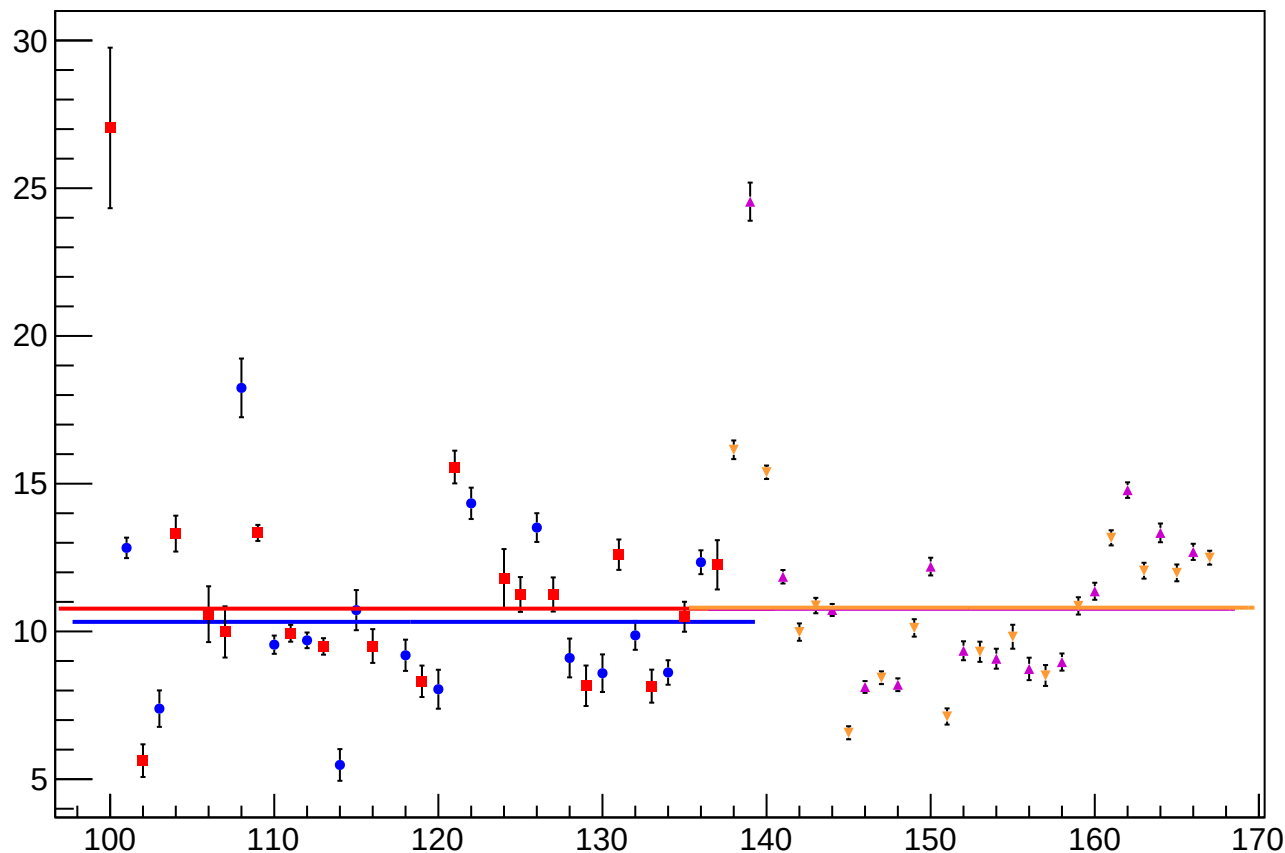
Left In: 15.034 $\pm$ 0.102 χ^2 /NDF: 2934.2/13

+ sign 22.258 $\pm$ 0.066 χ^2 /NDF: 18291.2/31

All: 23.587 $\pm$ 0.046 χ^2 /NDF: 41716.2/64

- sign 24.798 $\pm$ 0.063 χ^2 /NDF: 22653.0/32

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2 /NDF: 402.6/15

Left Out: 10.804+/-0.068 χ^2 /NDF:1614.1/15

Right Out: 10.771+/-0.113 χ^2 /NDF: 415.8/18

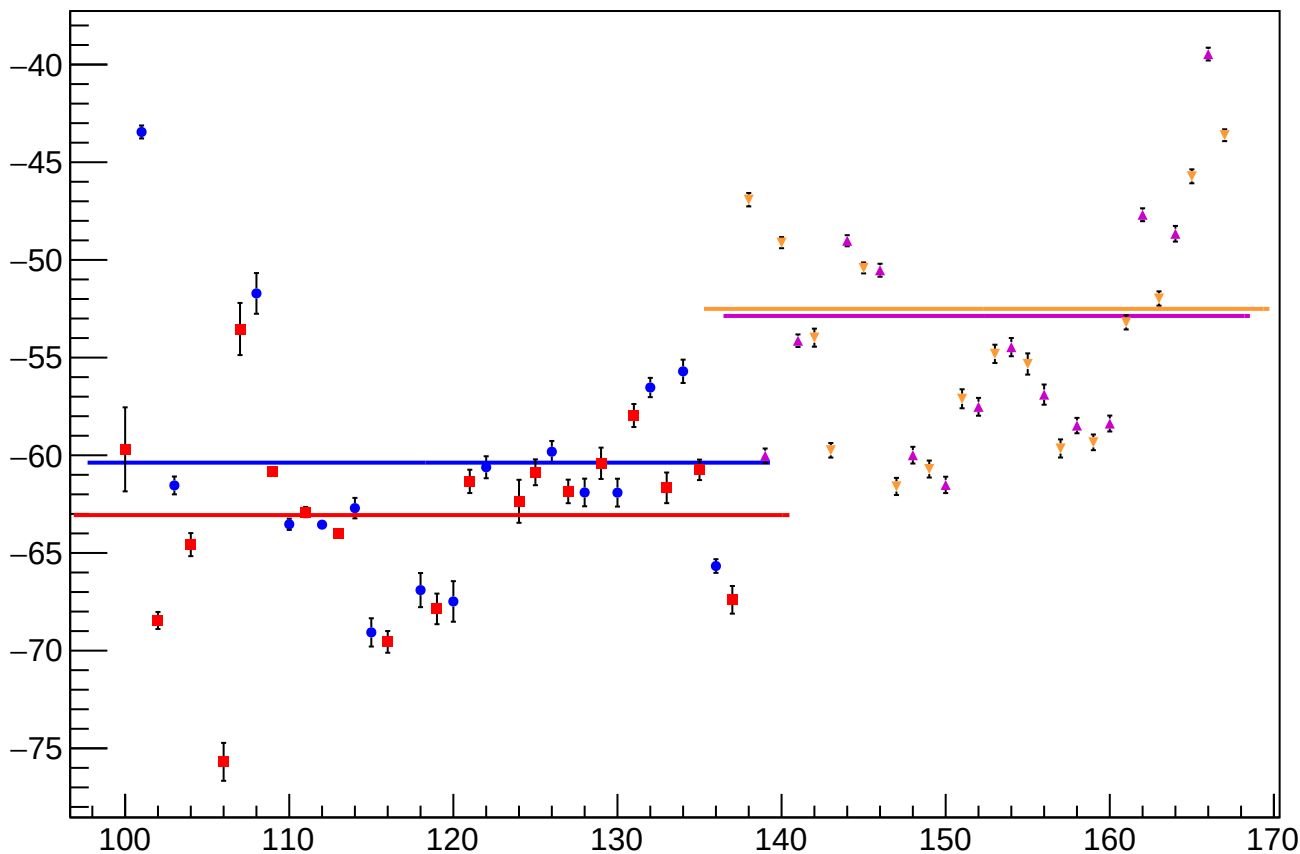
Left In: 10.766+/-0.072 χ^2 /NDF:1281.5/13

+ sign 10.678+/-0.058 χ^2 /NDF: 2029.9/31

All: 10.721+/-0.042 χ^2 /NDF: 3728.3/64

- sign 10.767+/-0.061 χ^2 /NDF: 1697.3/32

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377 ± 0.113 χ^2/NDF : 3597.6/15

Left Out: -52.507 ± 0.094 χ^2/NDF : 3524.2/15

Right Out: -63.061 ± 0.107 χ^2/NDF : 844.1/18

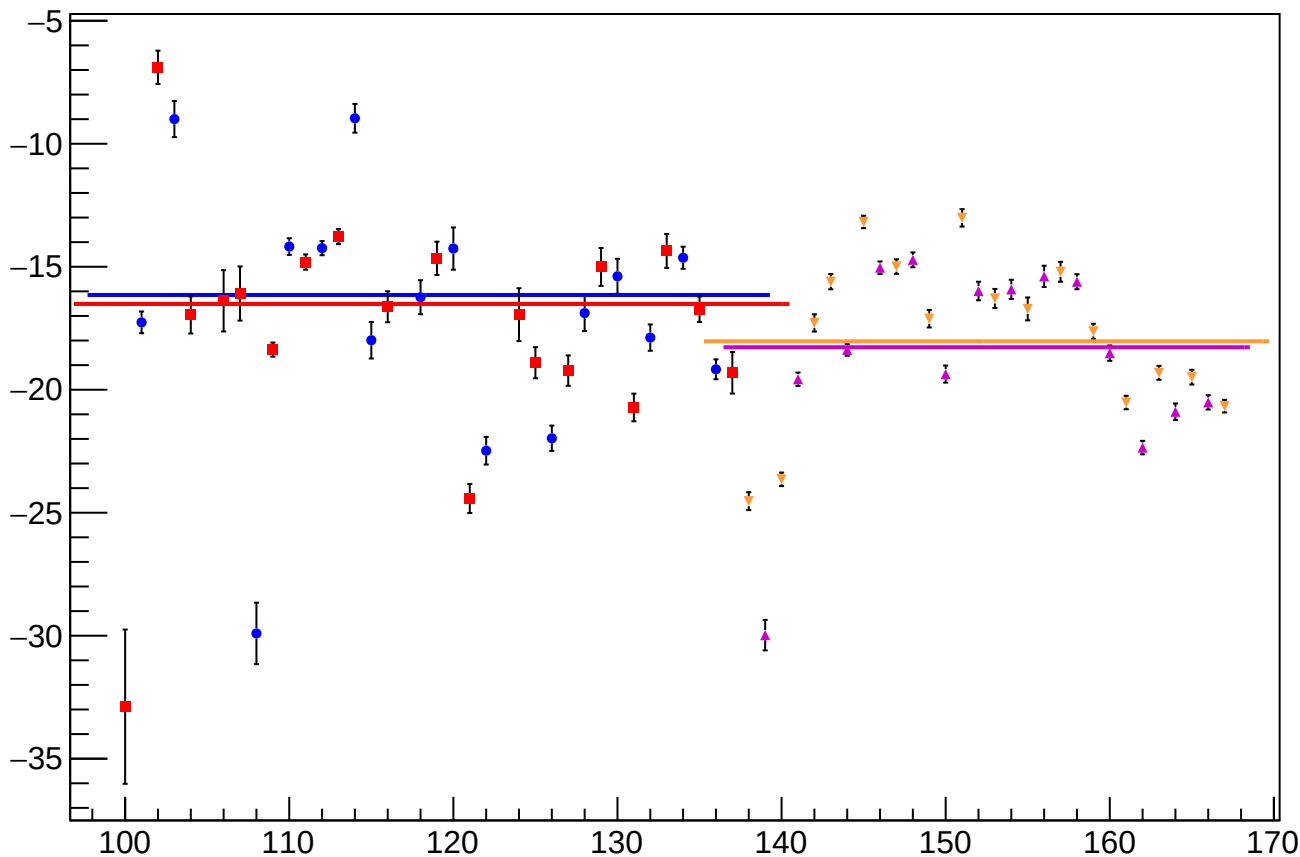
Left In: -52.869 ± 0.100 χ^2/NDF : 3897.6/13

+ sign -55.736 ± 0.072 χ^2/NDF : 9982.2/31

All: -56.667 ± 0.051 χ^2/NDF : 19880.2/64

- sign -57.620 ± 0.073 χ^2/NDF : 9563.3/32

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147 ± 0.127 χ^2/NDF : 797.1/15

Left Out: -18.031 ± 0.079 χ^2/NDF : 1791.6/15

Right Out: -16.512 ± 0.125 χ^2/NDF : 684.7/18

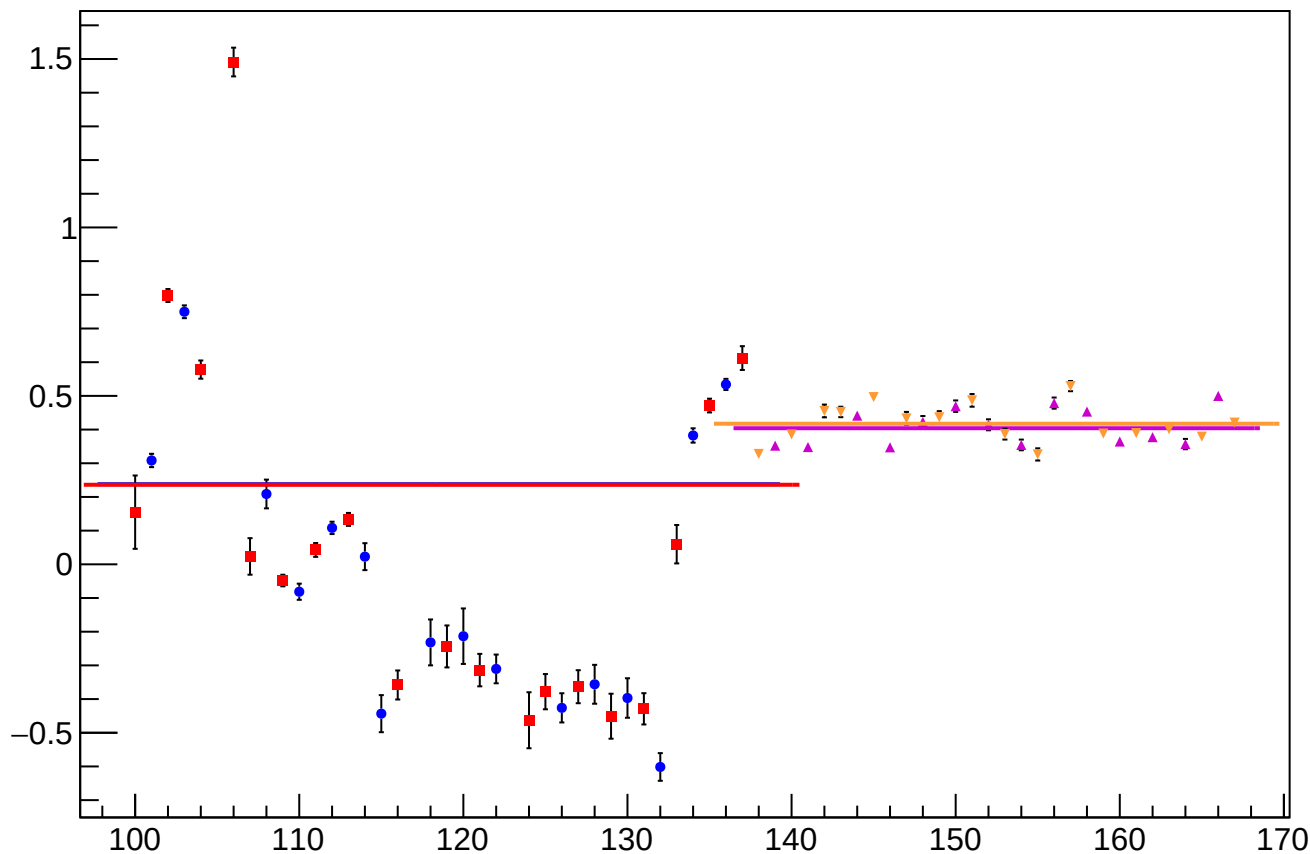
Left In: -18.272 ± 0.084 χ^2/NDF : 1228.4/13

+ sign -17.511 ± 0.067 χ^2/NDF : 2747.6/31

All: -17.613 ± 0.048 χ^2/NDF : 4802.8/64

- sign -17.724 ± 0.070 χ^2/NDF : 2050.3/32

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238 $\pm$ 0.007 χ^2 /NDF: 2632.9/15

Left Out: 0.417 $\pm$ 0.004 χ^2 /NDF:224.8/15

Right Out: 0.236 $\pm$ 0.007 χ^2 /NDF: 3595.0/18

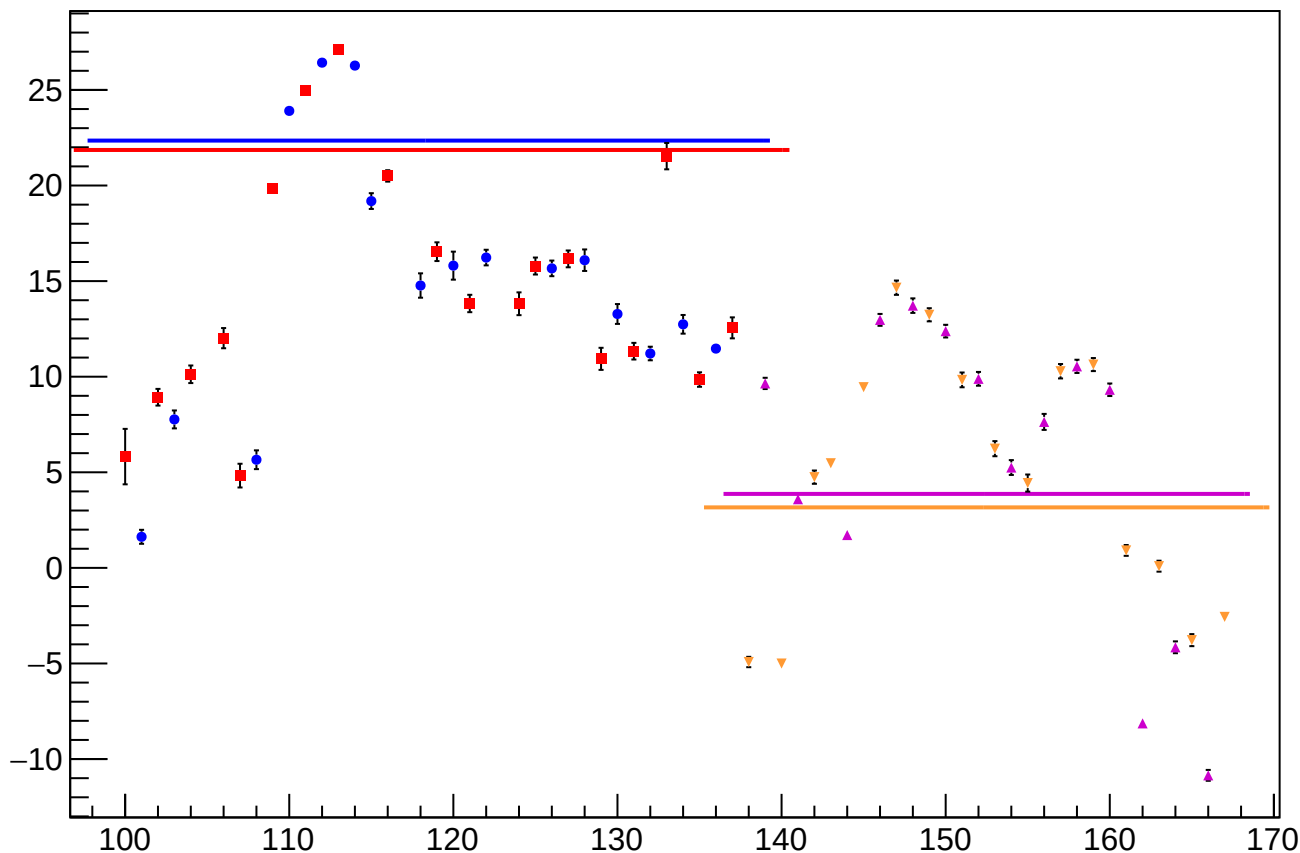
Left In: 0.404 $\pm$ 0.004 χ^2 /NDF:192.2/13

+ sign 0.380 $\pm$ 0.003 χ^2 /NDF: 3370.7/31

All: 0.373 $\pm$ 0.002 χ^2 /NDF: 7600.3/64

- sign 0.366 $\pm$ 0.003 χ^2 /NDF: 4220.1/32

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350 ± 0.057 $\chi^2/\text{NDF}: 12336.9/15$

Left Out: 3.164 ± 0.075 $\chi^2/\text{NDF}: 7273.0/15$

Right Out: 21.859 ± 0.046 $\chi^2/\text{NDF}: 10692.4/18$

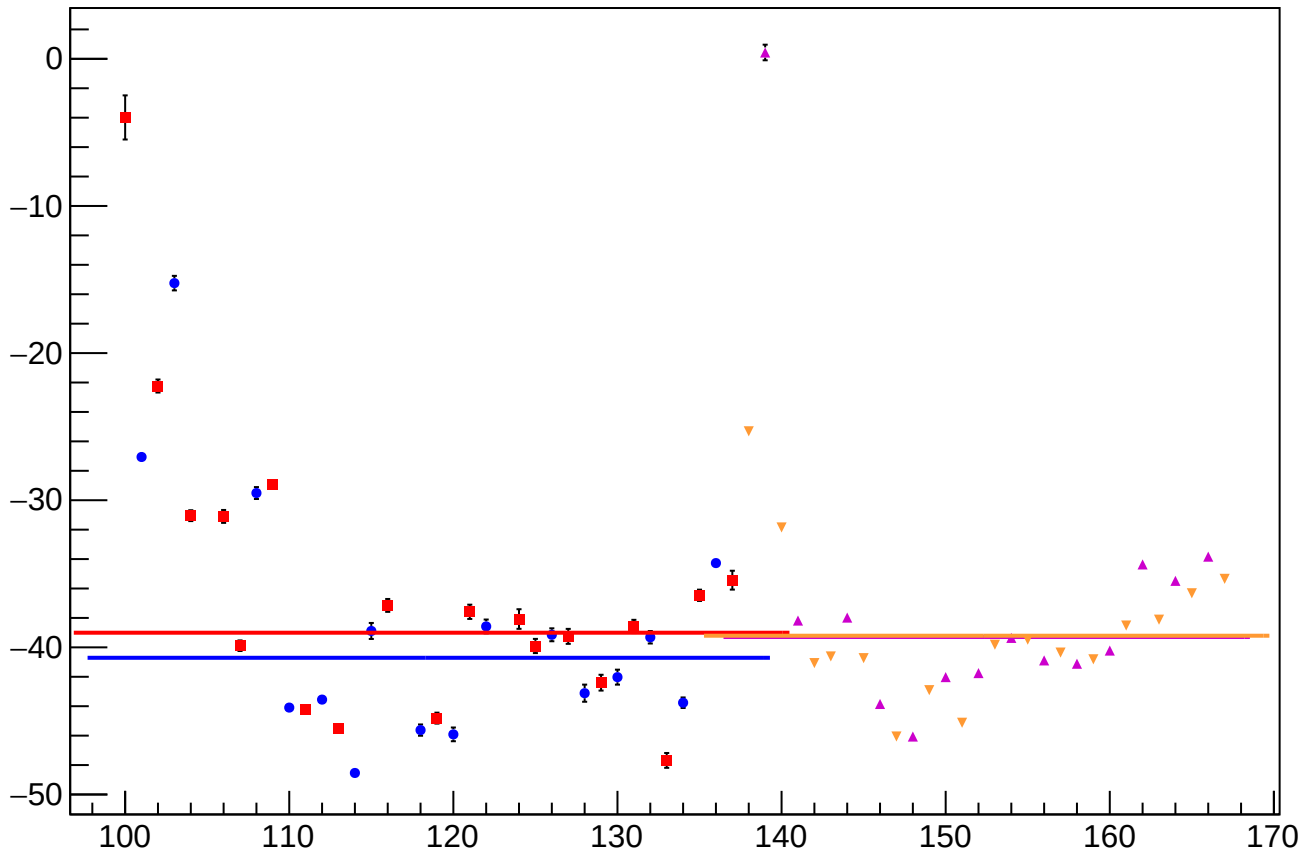
Left In: 3.869 ± 0.082 $\chi^2/\text{NDF}: 9167.0/13$

+ sign 15.396 ± 0.045 $\chi^2/\text{NDF}: 61321.4/31$

All: 16.573 ± 0.030 $\chi^2/\text{NDF}: 118915.4/64$

- sign 17.510 ± 0.040 $\chi^2/\text{NDF}: 56374.2/32$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709 ± 0.076 $\chi^2/\text{NDF}: 7780.4/15$

Left Out: -39.209 ± 0.053 $\chi^2/\text{NDF}: 7985.1/15$

Right Out: -39.005 ± 0.071 $\chi^2/\text{NDF}: 10101.3/18$

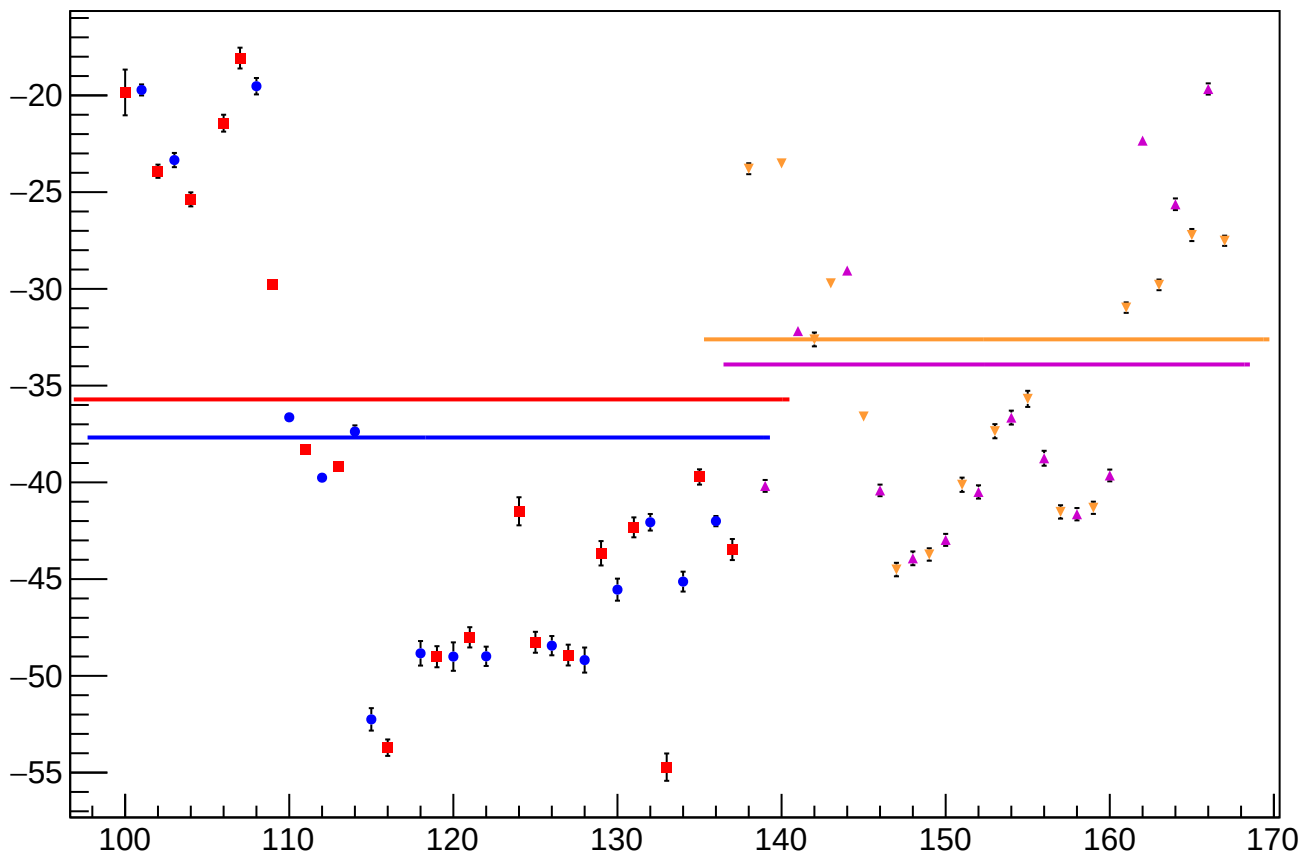
Left In: -39.297 ± 0.058 $\chi^2/\text{NDF}: 9445.0/13$

+ sign -39.700 ± 0.044 $\chi^2/\text{NDF}: 16024.0/31$

All: -39.447 ± 0.031 $\chi^2/\text{NDF}: 35649.2/64$

- sign -39.179 ± 0.045 $\chi^2/\text{NDF}: 19556.5/32$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681 ± 0.074 $\chi^2/\text{NDF}: 10853.9/15$

Left Out: -32.609 ± 0.074 $\chi^2/\text{NDF}: 8302.8/15$

Right Out: -35.714 ± 0.064 $\chi^2/\text{NDF}: 13274.5/18$

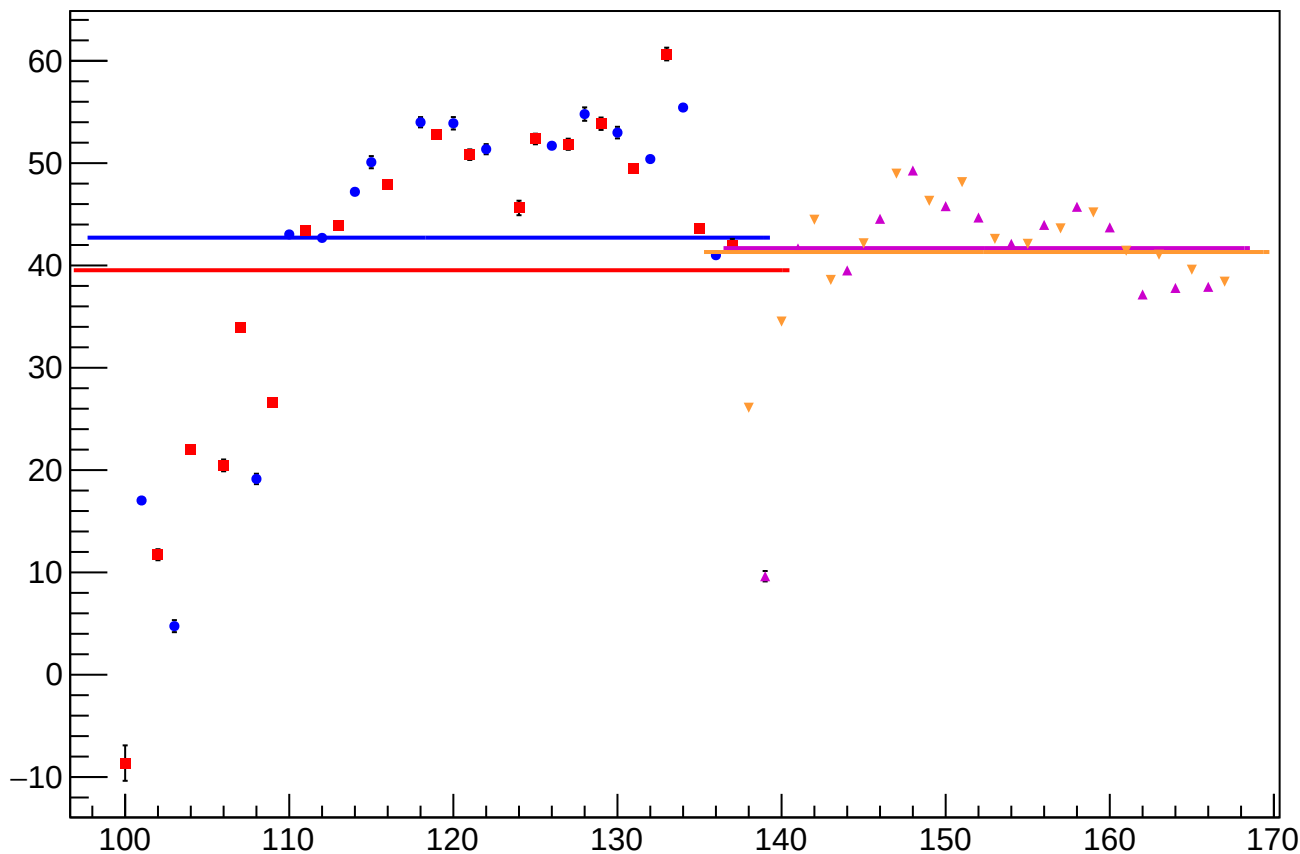
Left In: -33.907 ± 0.080 $\chi^2/\text{NDF}: 9838.5/13$

+ sign -35.157 ± 0.052 $\chi^2/\text{NDF}: 21510.2/31$

All: -35.078 ± 0.036 $\chi^2/\text{NDF}: 44937.4/64$

- sign -35.004 ± 0.050 $\chi^2/\text{NDF}: 23422.7/32$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718 ± 0.085 χ^2/NDF : 14765.0/15

Left Out: 41.314 ± 0.062 χ^2/NDF : 6502.0/15

Right Out: 39.533 ± 0.078 χ^2/NDF : 17978.2/18

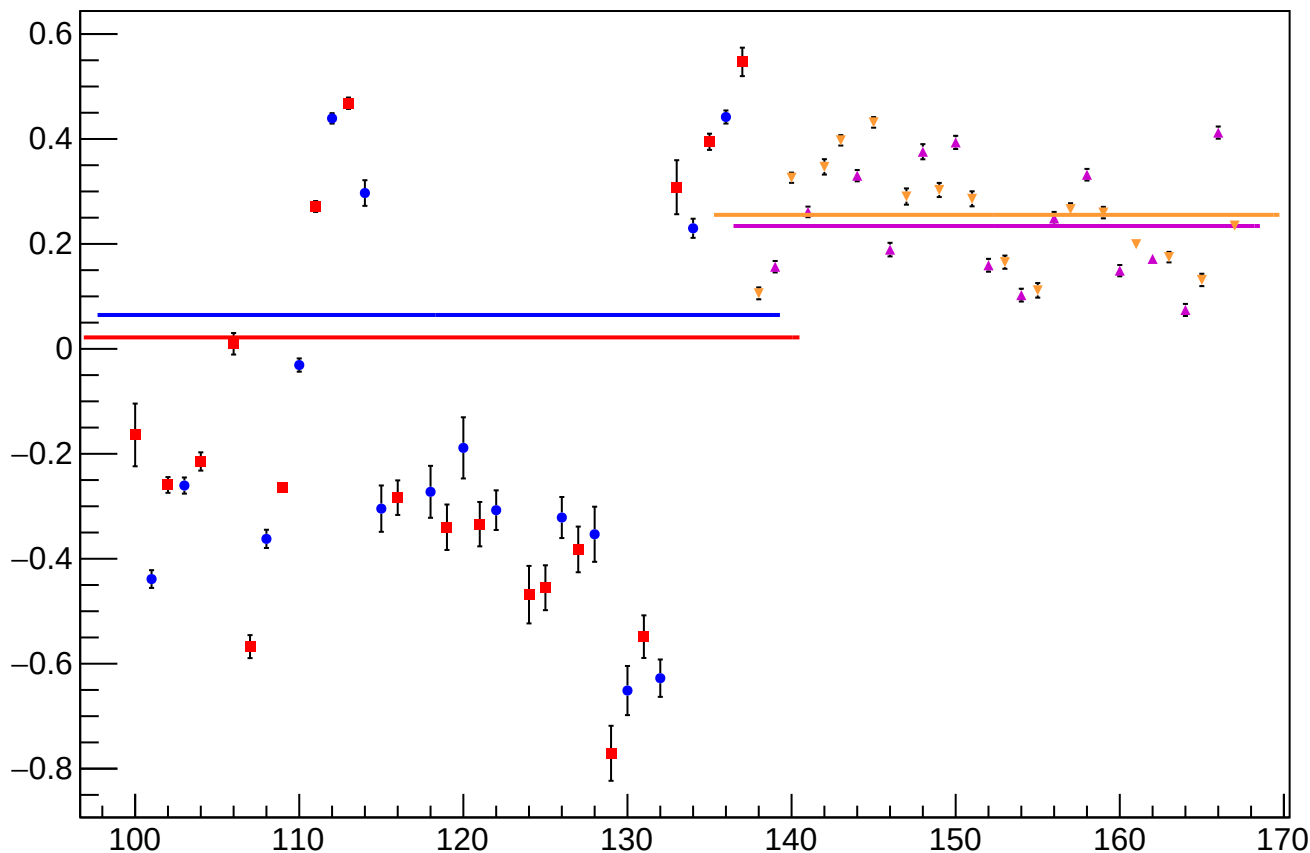
Left In: 41.696 ± 0.067 χ^2/NDF : 6841.5/13

+ sign 41.797 ± 0.050 χ^2/NDF : 21445.6/31

All: 41.298 ± 0.036 χ^2/NDF : 46910.4/64

- sign 40.779 ± 0.051 χ^2/NDF : 25260.7/32

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.005 χ^2 /NDF: 5497.5/15

Left Out: 0.255 $\pm$ 0.003 χ^2 /NDF:1168.4/15

Right Out: 0.022 $\pm$ 0.004 χ^2 /NDF: 6405.3/18

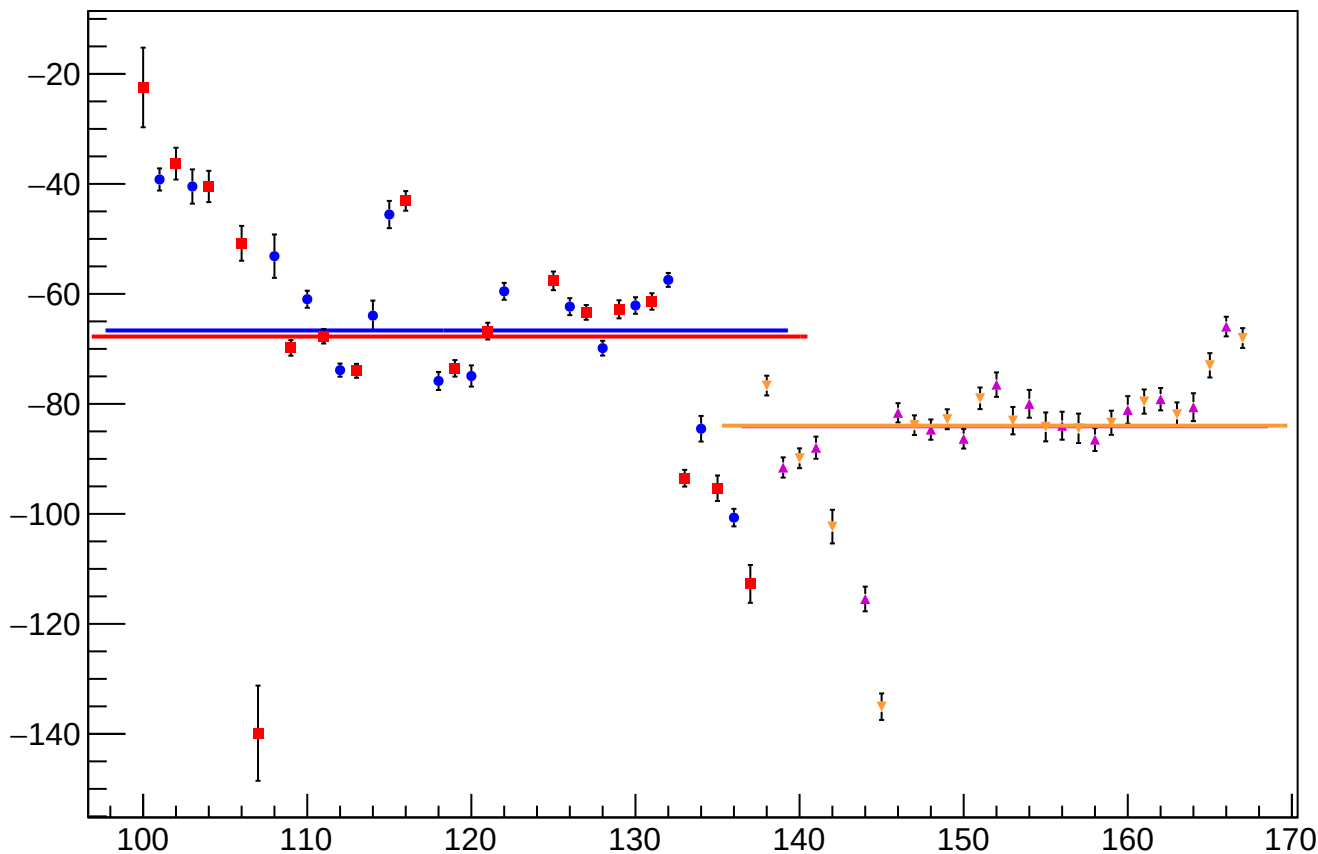
Left In: 0.234 $\pm$ 0.003 χ^2 /NDF:1176.4/13

+ sign 0.207 $\pm$ 0.002 χ^2 /NDF: 7821.3/31

All: 0.186 $\pm$ 0.002 χ^2 /NDF: 17123.0/64

- sign 0.165 $\pm$ 0.003 χ^2 /NDF: 9160.6/32

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648 ± 0.426 χ^2/NDF : 1052.4/15

Left Out: -83.958 ± 0.545 χ^2/NDF : 627.5/14

Right Out: -67.755 ± 0.419 χ^2/NDF : 1255.4/17

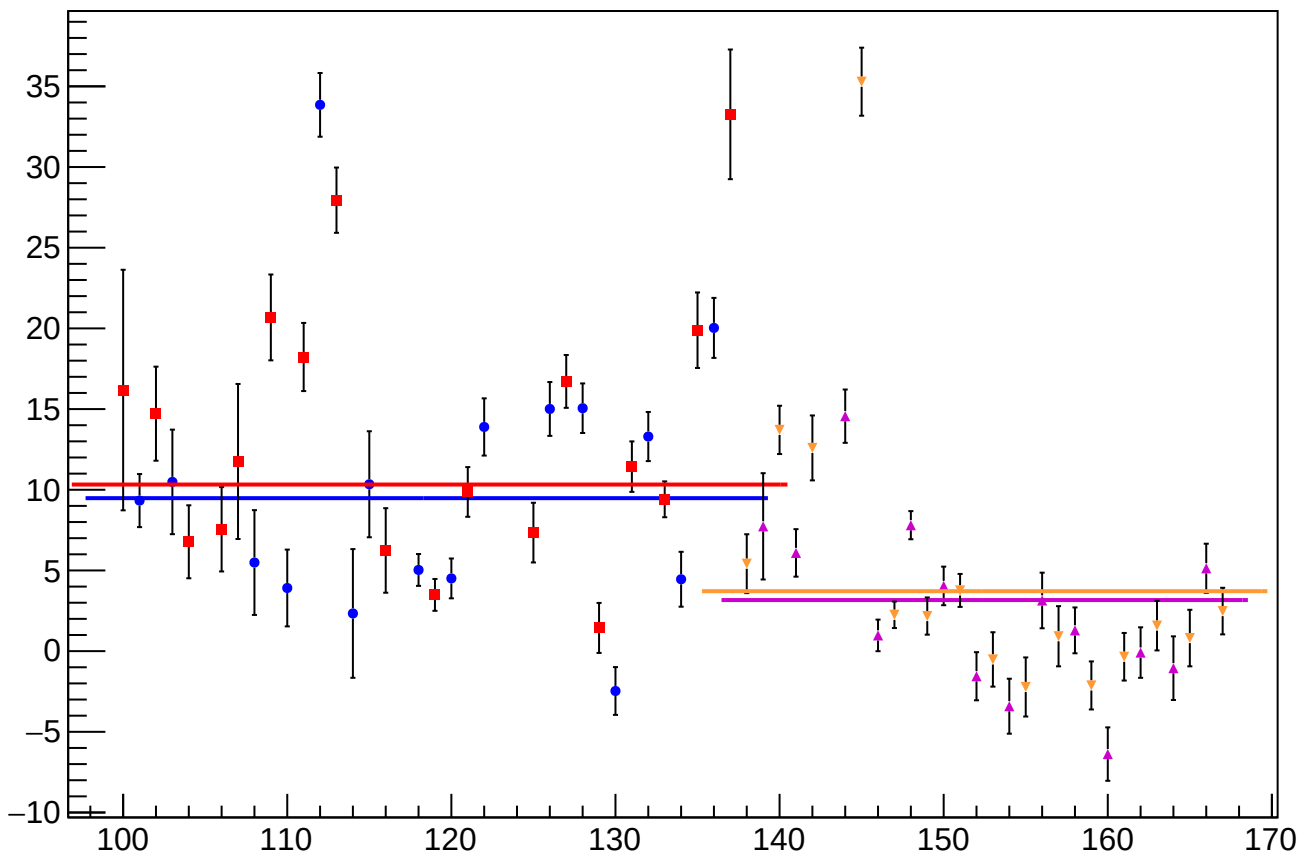
Left In: -84.064 ± 0.551 χ^2/NDF : 347.8/13

+ sign -73.209 ± 0.336 χ^2/NDF : 2305.4/30

All: -73.474 ± 0.237 χ^2/NDF : 4464.2/62

- sign -73.736 ± 0.334 χ^2/NDF : 2157.6/31

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480 ± 0.428 $\chi^2/\text{NDF}: 341.9/15$

Left Out: 3.714 ± 0.365 $\chi^2/\text{NDF}: 341.6/14$

Right Out: 10.324 ± 0.436 $\chi^2/\text{NDF}: 263.4/17$

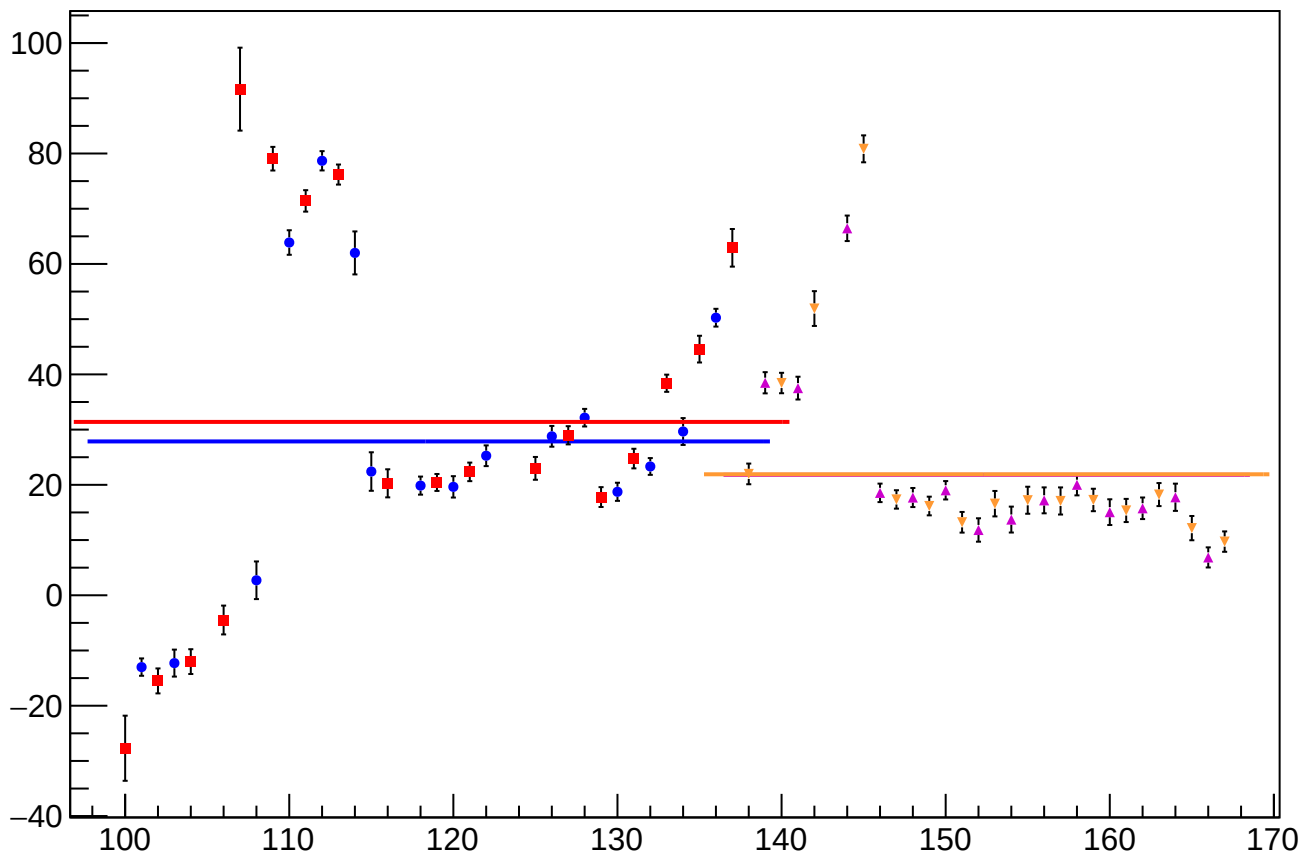
Left In: 3.166 ± 0.376 $\chi^2/\text{NDF}: 157.9/13$

+ sign 6.145 ± 0.278 $\chi^2/\text{NDF}: 788.5/30$

All: 6.183 ± 0.199 $\chi^2/\text{NDF}: 1364.5/62$

- sign 6.223 ± 0.285 $\chi^2/\text{NDF}: 576.0/31$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860 ± 0.482 $\chi^2/\text{NDF}: 2474.0/15$

Left Out: 21.910 ± 0.530 $\chi^2/\text{NDF}: 888.8/14$

Right Out: 31.394 ± 0.488 $\chi^2/\text{NDF}: 3011.4/17$

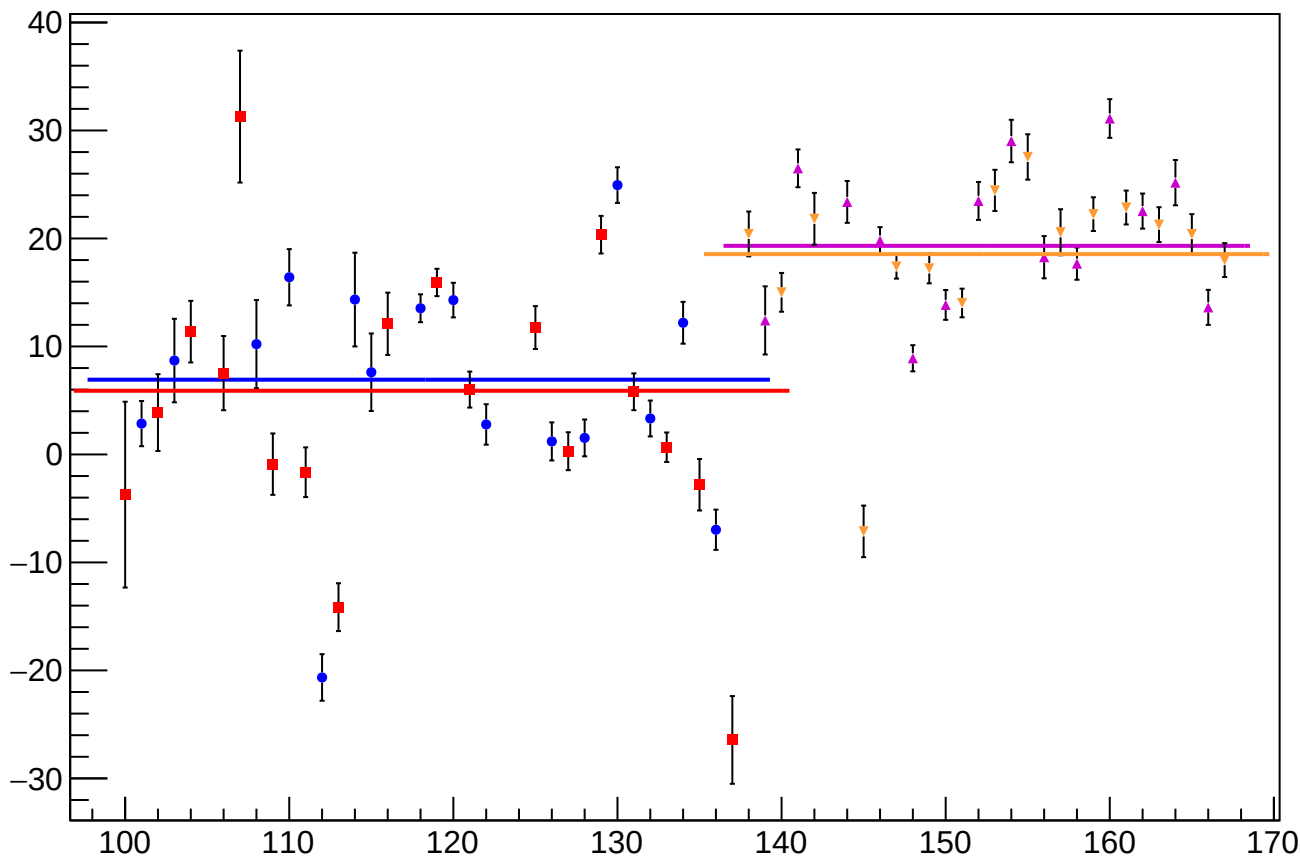
Left In: 21.811 ± 0.533 $\chi^2/\text{NDF}: 646.6/13$

+ sign 25.163 ± 0.357 $\chi^2/\text{NDF}: 3431.7/30$

All: 26.089 ± 0.253 $\chi^2/\text{NDF}: 7279.2/62$

- sign 27.031 ± 0.360 $\chi^2/\text{NDF}: 3833.9/31$

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922 $\pm$ 0.496 χ^2/NDF : 444.3/15

Left Out: 18.550 $\pm$ 0.431 χ^2/NDF :181.5/14

Right Out: 5.896 $\pm$ 0.502 χ^2/NDF : 367.7/17

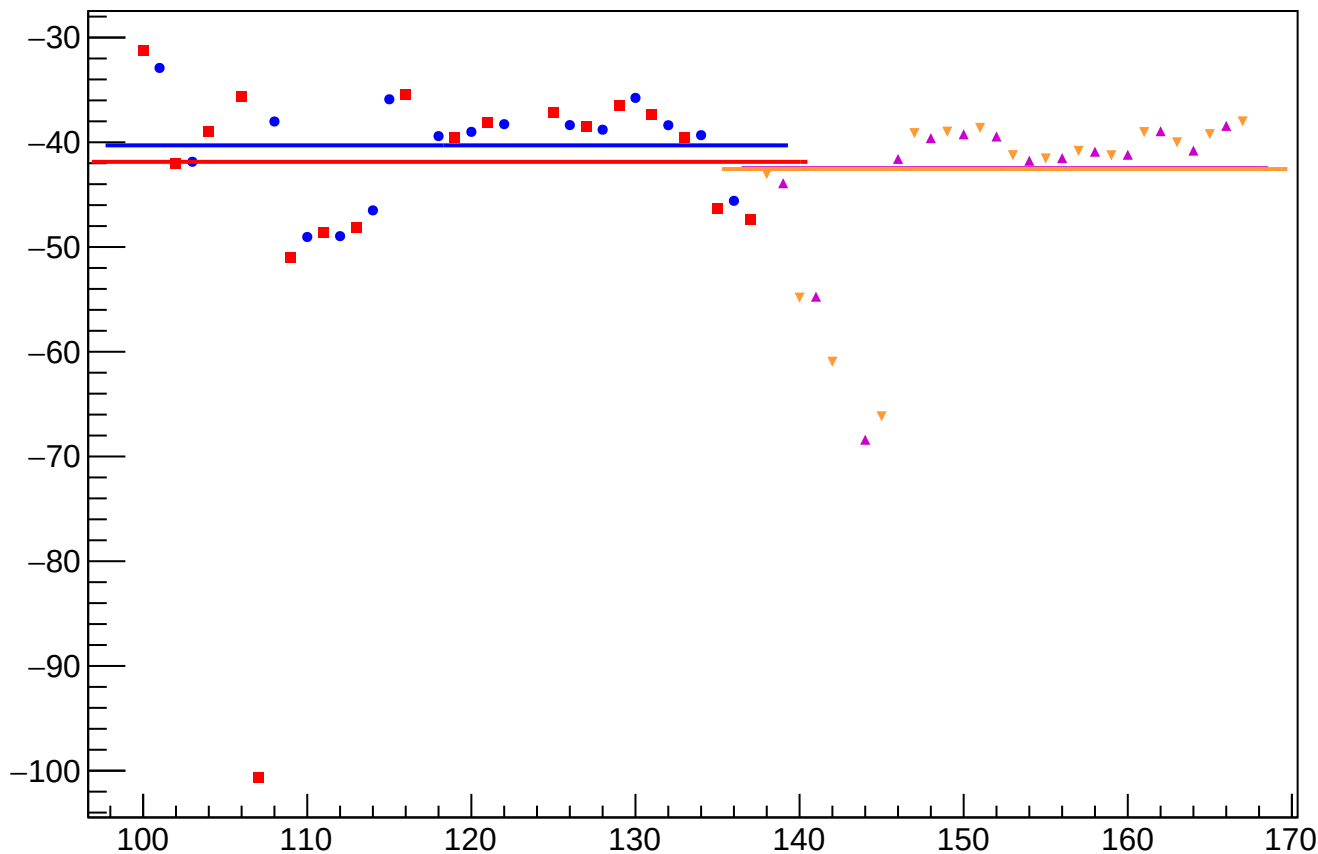
Left In: 19.316 $\pm$ 0.442 χ^2/NDF :214.5/13

+ sign 13.545 $\pm$ 0.325 χ^2/NDF : 939.4/30

All: 13.503 $\pm$ 0.232 χ^2/NDF : 1924.8/62

- sign 13.459 $\pm$ 0.331 χ^2/NDF : 985.3/31

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293 ± 0.031 χ^2/NDF : 20663.5/15

Left Out: -42.556 ± 0.020 χ^2/NDF : 121034.1/14

Right Out: -41.867 ± 0.032 χ^2/NDF : 58734.8/17

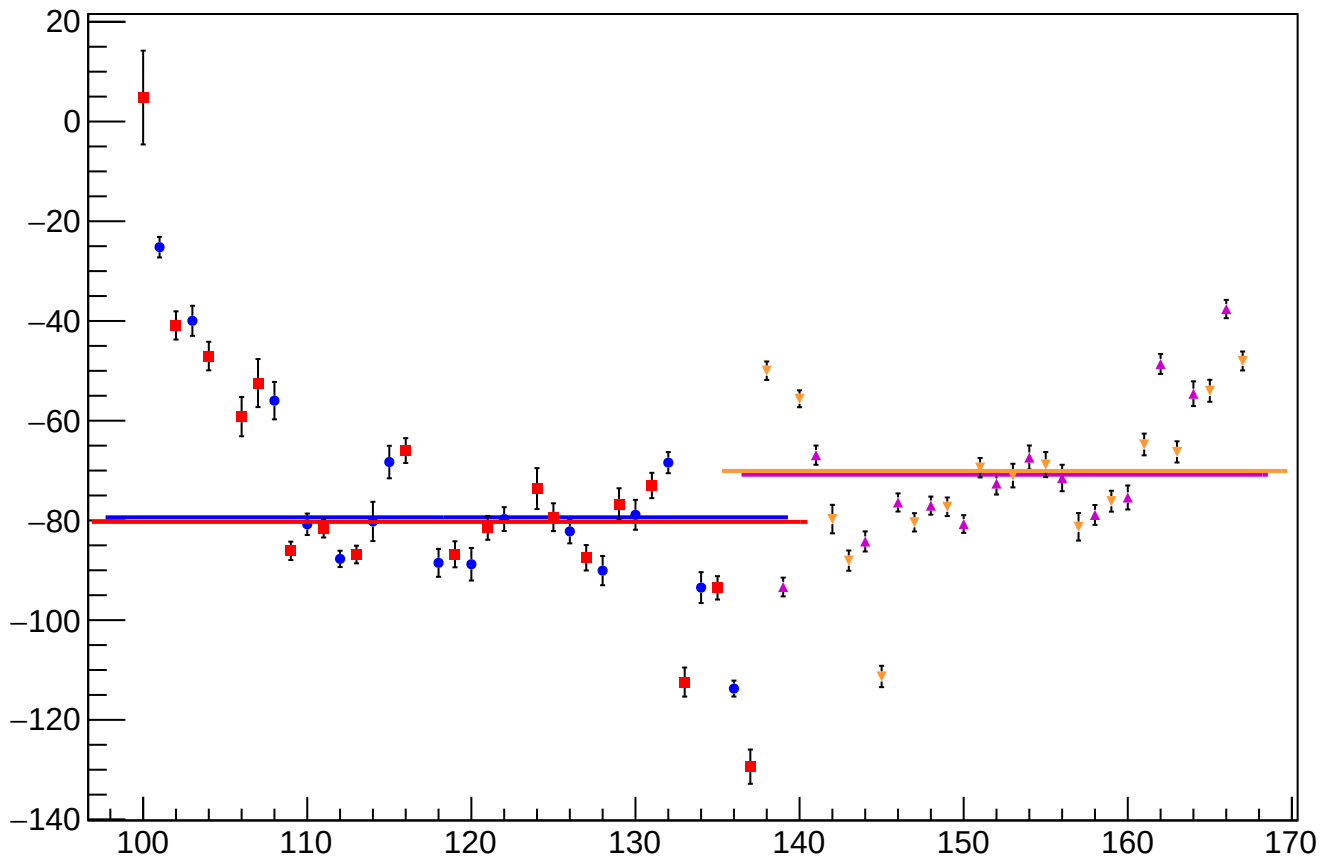
Left In: -42.474 ± 0.020 χ^2/NDF : 96479.4/13

+ sign -41.894 ± 0.017 χ^2/NDF : 145372.5/30

All: -42.096 ± 0.012 χ^2/NDF : 301126.8/62

- sign -42.301 ± 0.017 χ^2/NDF : 155469.9/31

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382 ± 0.611 χ^2/NDF : 1475.9/15

Left Out: -70.077 ± 0.521 χ^2/NDF : 921.7/15

Right Out: -80.294 ± 0.604 χ^2/NDF : 914.7/18

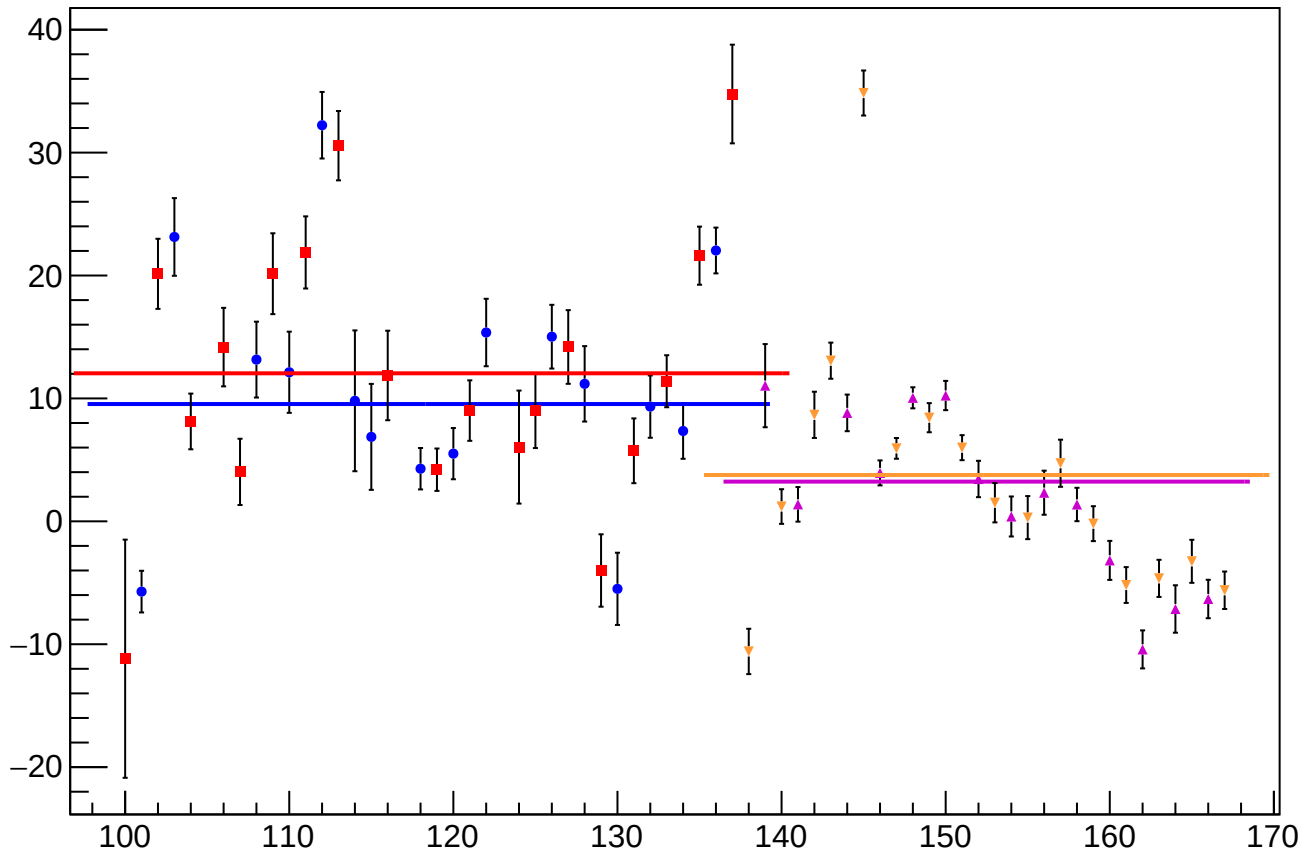
Left In: -70.827 ± 0.545 χ^2/NDF : 759.5/13

+ sign -73.994 ± 0.396 χ^2/NDF : 2531.9/31

All: -74.522 ± 0.283 χ^2/NDF : 4345.2/64

- sign -75.072 ± 0.404 χ^2/NDF : 1809.7/32

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543 ± 0.621 χ^2/NDF : 267.1/15

Left Out: 3.768 ± 0.352 χ^2/NDF : 562.1/15

Right Out: 12.044 ± 0.637 χ^2/NDF : 195.8/18

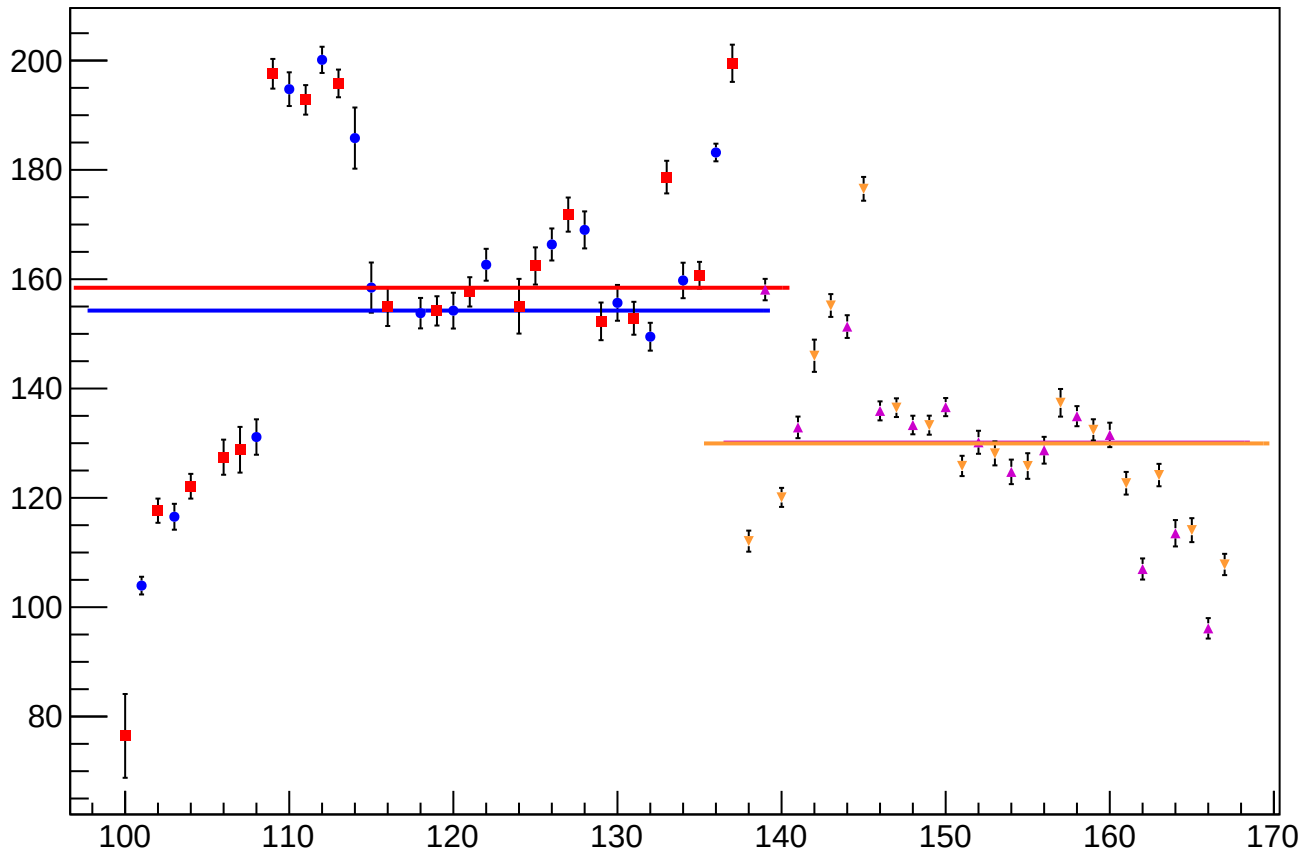
Left In: 3.230 ± 0.371 χ^2/NDF : 285.1/13

+ sign 5.171 ± 0.306 χ^2/NDF : 894.5/31

All: 5.311 ± 0.221 χ^2/NDF : 1518.9/64

- sign 5.465 ± 0.321 χ^2/NDF : 623.9/32

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260 $\pm$ 0.662 χ^2/NDF : 2213.7/15

Left Out: 129.956 $\pm$ 0.508 χ^2/NDF : 990.7/15

Right Out: 158.435 $\pm$ 0.683 χ^2/NDF : 1664.2/18

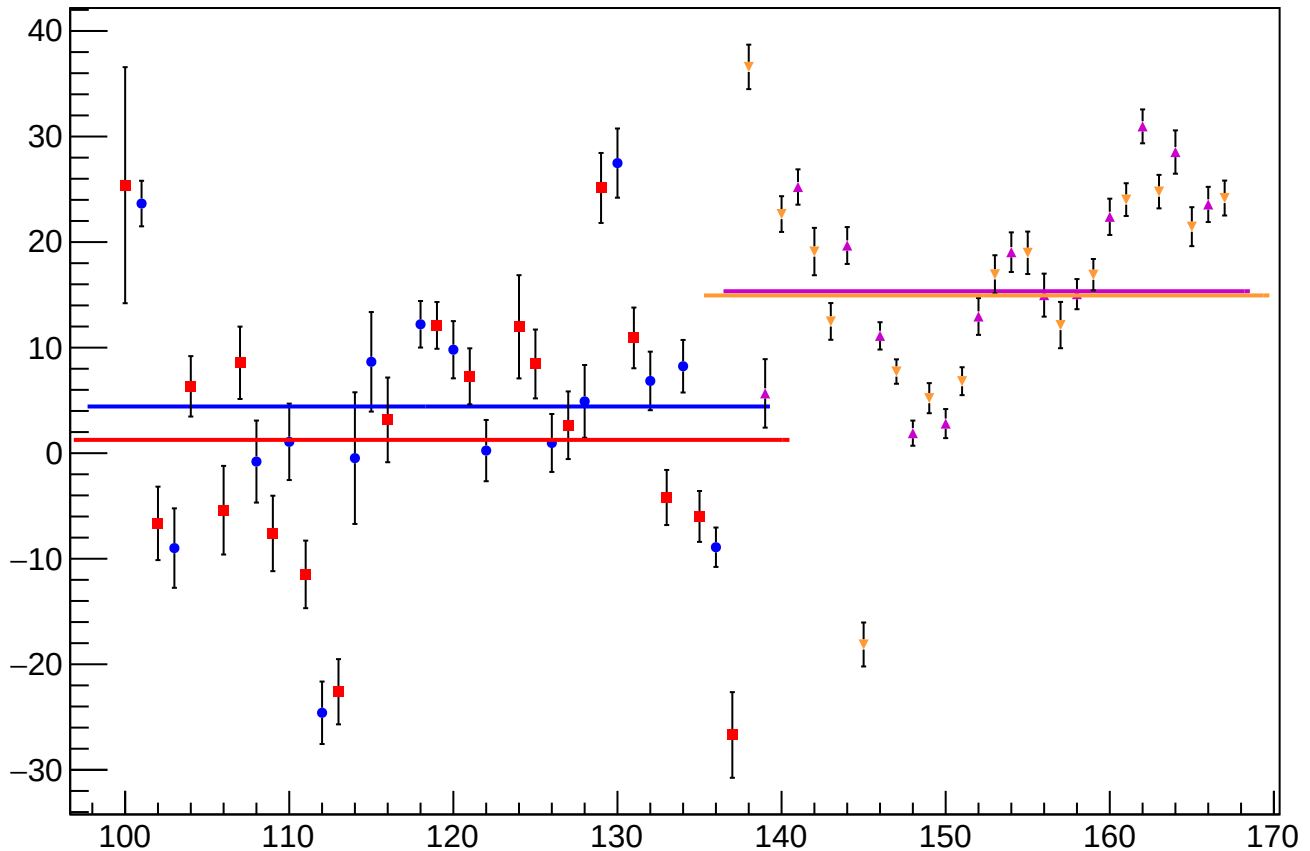
Left In: 130.104 $\pm$ 0.527 χ^2/NDF : 874.1/13

+ sign 138.971 $\pm$ 0.403 χ^2/NDF : 4053.0/31

All: 139.798 $\pm$ 0.290 χ^2/NDF : 7679.5/64

- sign 140.683 $\pm$ 0.417 χ^2/NDF : 3617.8/32

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424 ± 0.714 $\chi^2/\text{NDF}: 316.1/15$

Left Out: 14.946 ± 0.414 $\chi^2/\text{NDF}: 632.3/15$

Right Out: 1.260 ± 0.732 $\chi^2/\text{NDF}: 264.9/18$

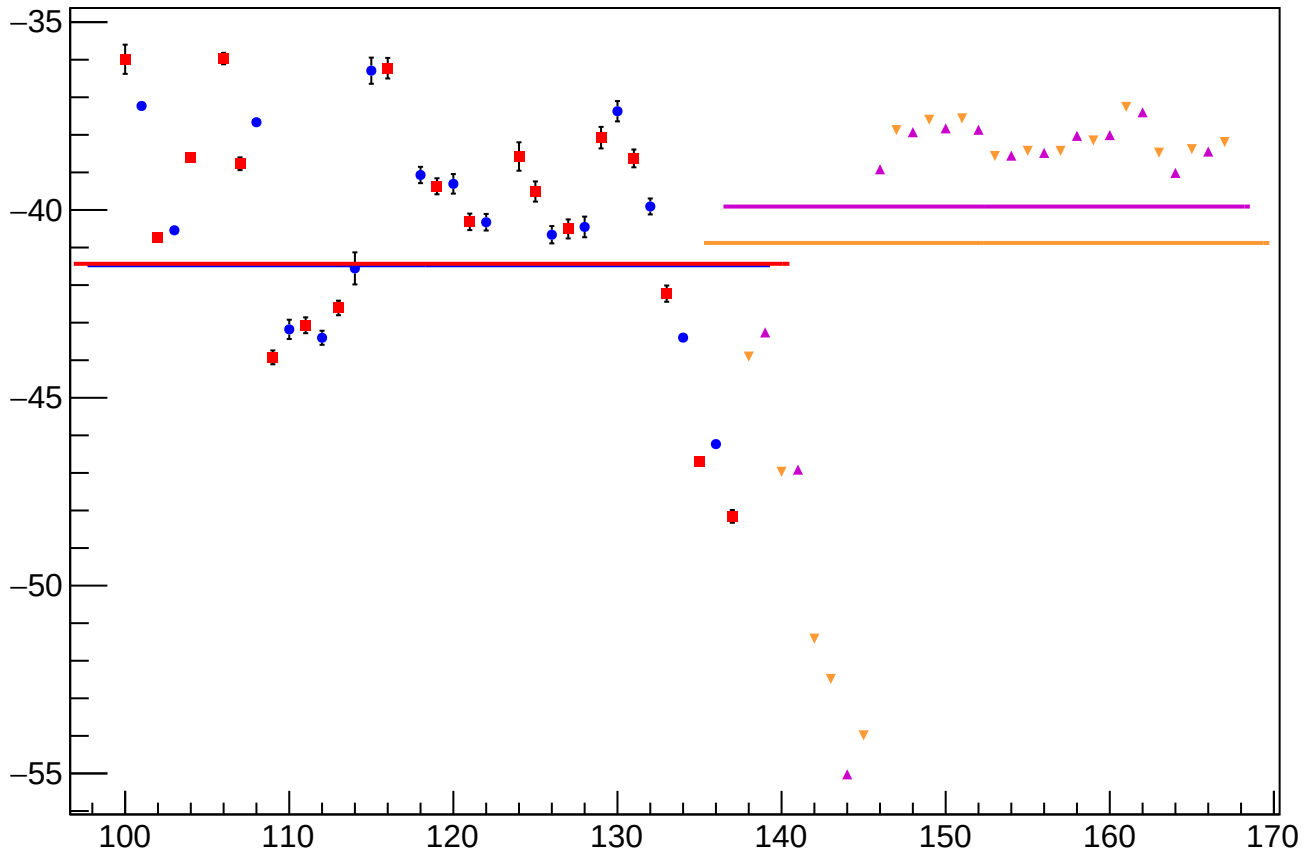
Left In: 15.345 ± 0.435 $\chi^2/\text{NDF}: 453.6/13$

+ sign 12.297 ± 0.358 $\chi^2/\text{NDF}: 1110.8/31$

All: 11.992 ± 0.259 $\chi^2/\text{NDF}: 2104.5/64$

- sign 11.661 ± 0.374 $\chi^2/\text{NDF}: 992.1/32$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472 ± 0.038 χ^2/NDF : 7912.0/15

Left Out: -40.878 ± 0.019 χ^2/NDF : 72281.4/15

Right Out: -41.433 ± 0.040 χ^2/NDF : 8225.4/18

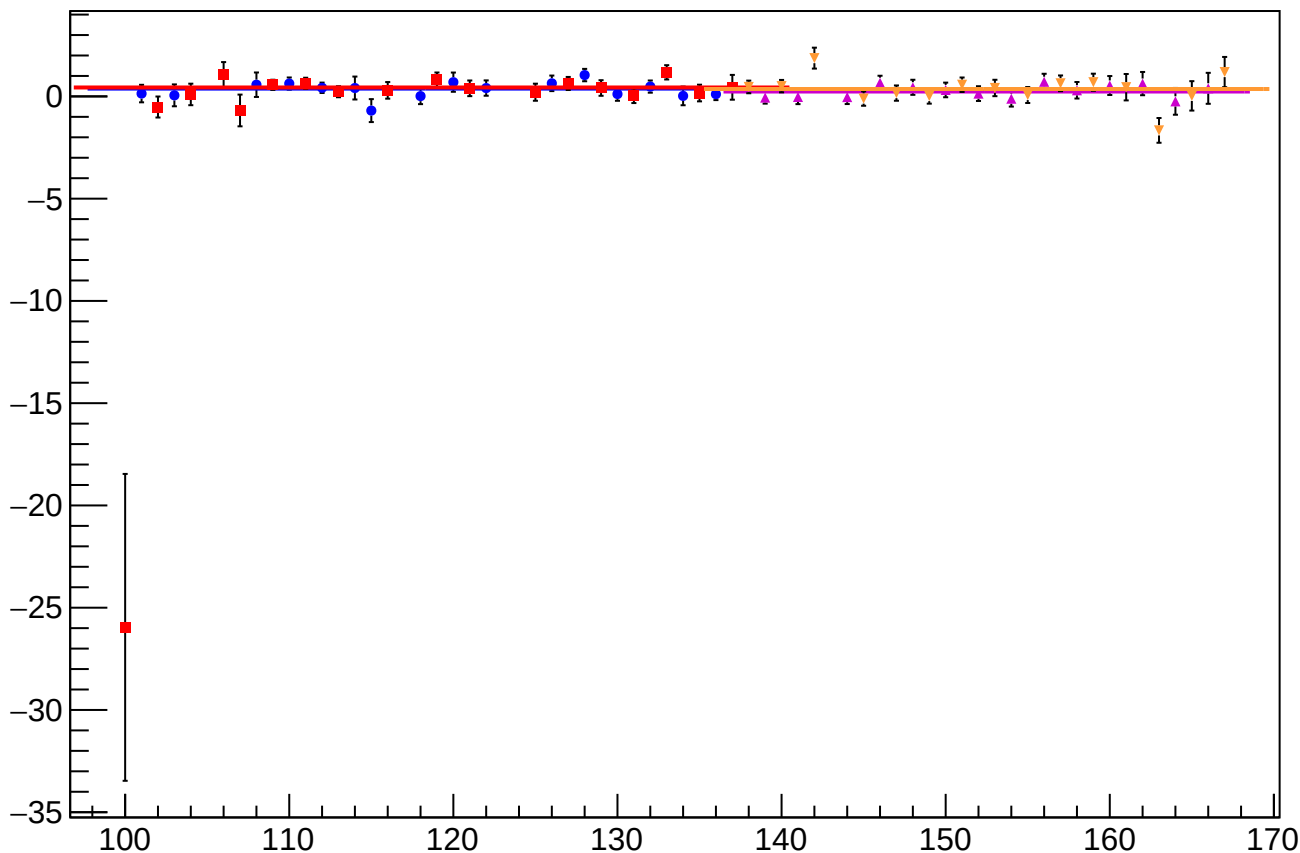
Left In: -39.909 ± 0.020 χ^2/NDF : 42634.2/13

+ sign -41.001 ± 0.017 χ^2/NDF : 80386.2/31

All: -40.623 ± 0.012 χ^2/NDF : 133407.1/64

- sign -40.221 ± 0.018 χ^2/NDF : 52041.8/32

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382 ± 0.092 $\chi^2/\text{NDF}: 14.0/15$

Left Out: 0.362 ± 0.106 $\chi^2/\text{NDF}: 26.7/14$

Right Out: 0.436 ± 0.090 $\chi^2/\text{NDF}: 29.0/17$

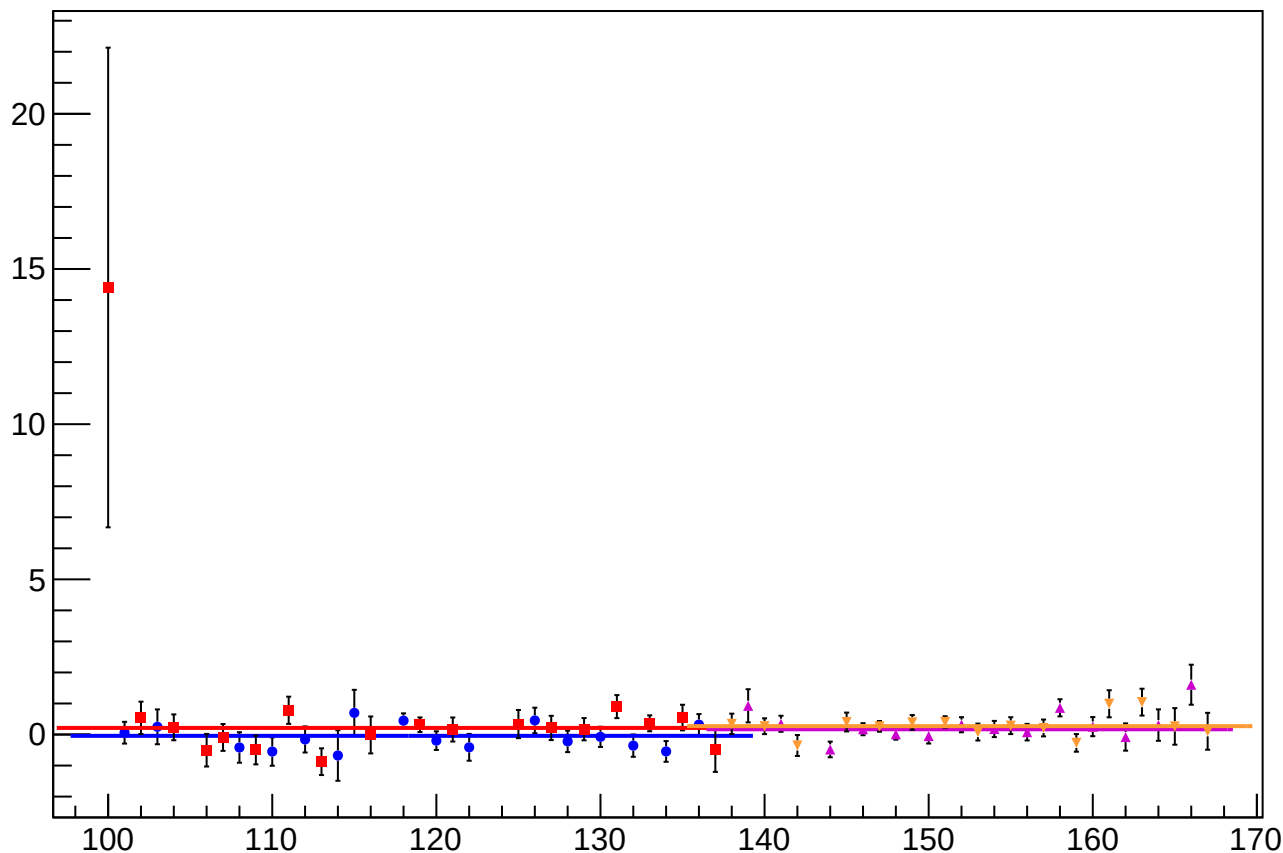
Left In: 0.239 ± 0.105 $\chi^2/\text{NDF}: 8.0/13$

+ sign 0.373 ± 0.069 $\chi^2/\text{NDF}: 40.7/30$

All: 0.363 ± 0.049 $\chi^2/\text{NDF}: 79.8/62$

- sign 0.352 ± 0.068 $\chi^2/\text{NDF}: 39.1/31$

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043 $\pm$ 0.094 χ^2/NDF : 15.0/15

Left Out: 0.270 $\pm$ 0.072 χ^2/NDF : 14.6/14

Right Out: 0.213 $\pm$ 0.095 χ^2/NDF : 22.4/17

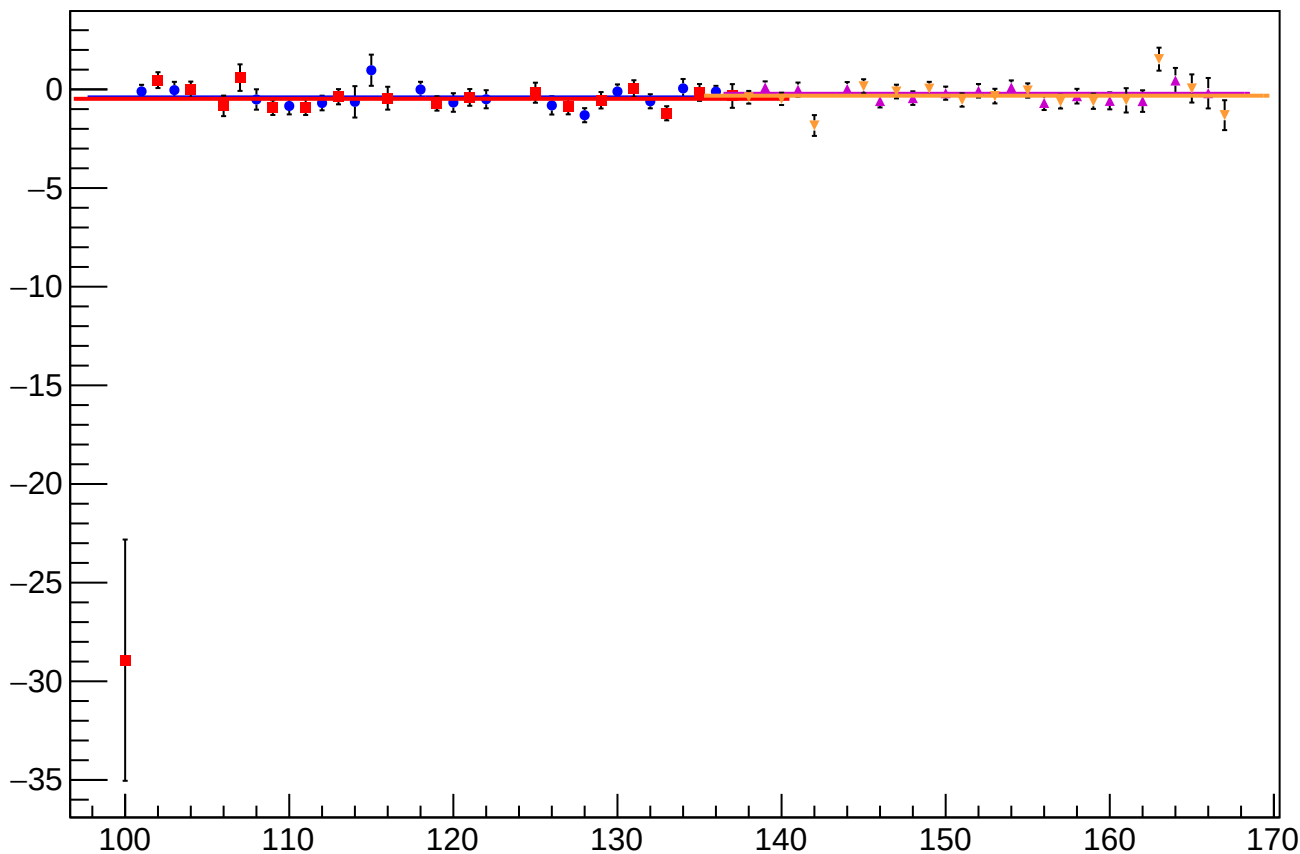
Left In: 0.169 $\pm$ 0.072 χ^2/NDF : 23.0/13

+ sign 0.155 $\pm$ 0.057 χ^2/NDF : 36.6/30

All: 0.170 $\pm$ 0.041 χ^2/NDF : 82.3/62

- sign 0.185 $\pm$ 0.058 χ^2/NDF : 45.5/31

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406 ± 0.103 χ^2/NDF : 17.8/15

Left Out: -0.320 ± 0.102 χ^2/NDF : 26.1/14

Right Out: -0.478 ± 0.104 χ^2/NDF : 42.3/17

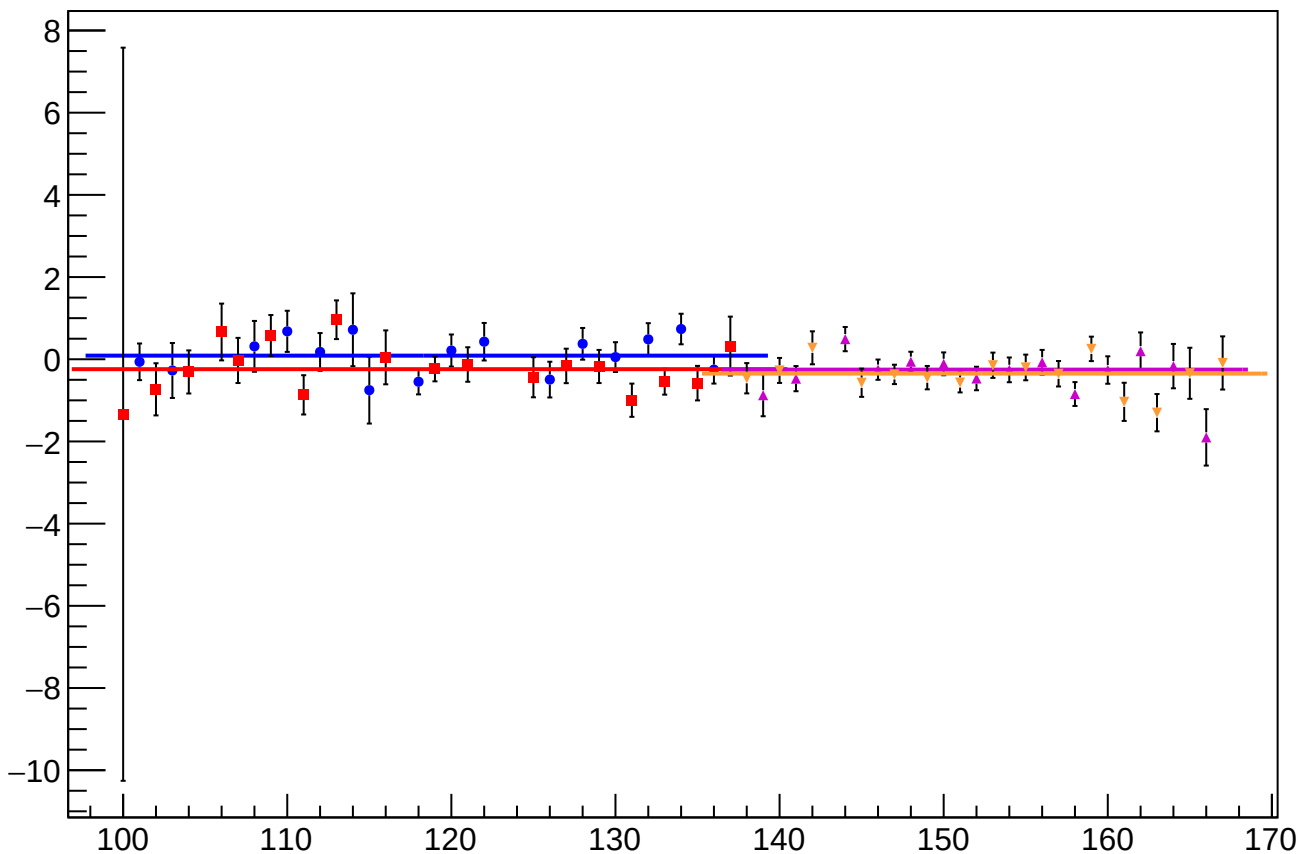
Left In: -0.224 ± 0.101 χ^2/NDF : 8.6/13

+ sign -0.362 ± 0.073 χ^2/NDF : 44.2/30

All: -0.355 ± 0.051 χ^2/NDF : 98.1/62

- sign -0.347 ± 0.073 χ^2/NDF : 53.9/31

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088 ± 0.108 χ^2/NDF : 15.9/15

Left Out: -0.349 ± 0.085 χ^2/NDF : 15.5/14

Right Out: -0.241 ± 0.110 χ^2/NDF : 19.6/17

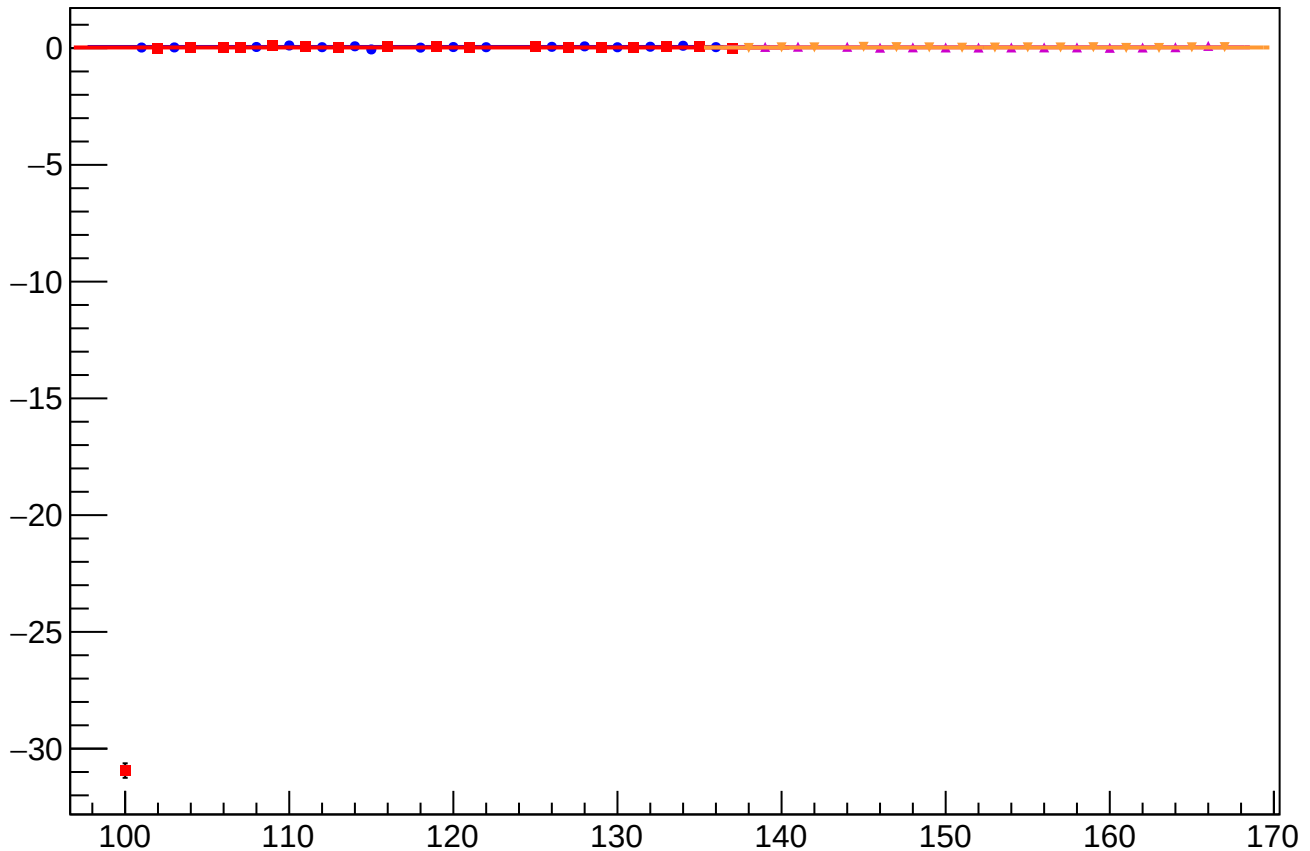
Left In: -0.252 ± 0.085 χ^2/NDF : 21.1/13

+ sign -0.182 ± 0.067 χ^2/NDF : 41.4/30

All: -0.215 ± 0.047 χ^2/NDF : 82.6/62

- sign -0.248 ± 0.067 χ^2/NDF : 40.7/31

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049 $\pm$ 0.006 χ^2 /NDF: 19.2/15

Left Out: 0.027 $\pm$ 0.004 χ^2 /NDF:10.6/14

Right Out: 0.028 $\pm$ 0.006 χ^2 /NDF: 10020.9/17

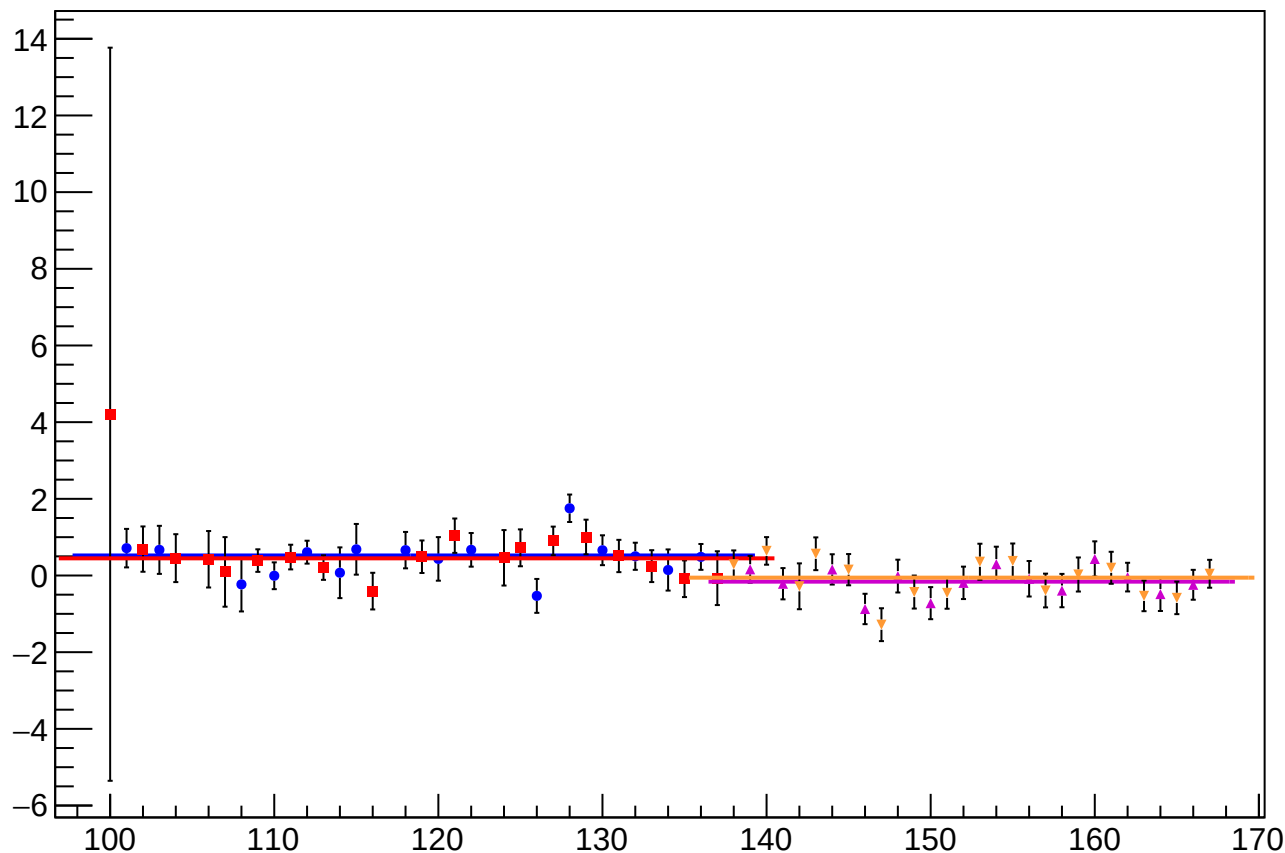
Left In: 0.036 $\pm$ 0.004 χ^2 /NDF:15.9/13

+ sign 0.033 $\pm$ 0.003 χ^2 /NDF: 38.2/30

All: 0.033 $\pm$ 0.002 χ^2 /NDF: 10076.2/62

- sign 0.034 $\pm$ 0.003 χ^2 /NDF: 10038.0/31

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522 ± 0.108 χ^2/NDF : 22.6/15

Left Out: -0.056 ± 0.105 χ^2/NDF : 22.8/15

Right Out: 0.448 ± 0.105 χ^2/NDF : 11.4/18

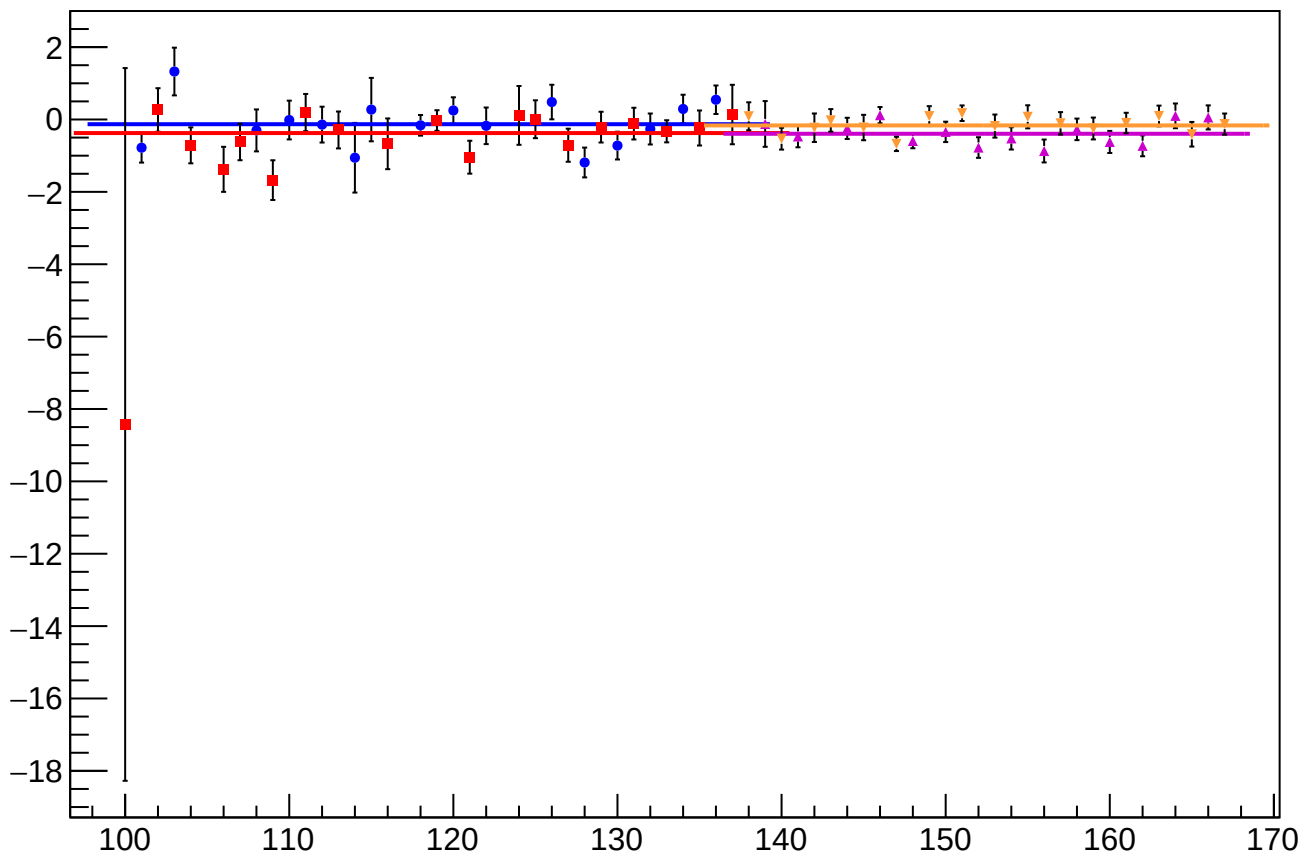
Left In: -0.160 ± 0.110 χ^2/NDF : 10.3/13

+ sign 0.223 ± 0.075 χ^2/NDF : 60.1/31

All: 0.191 ± 0.054 χ^2/NDF : 98.1/64

- sign 0.159 ± 0.076 χ^2/NDF : 37.6/32

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130 ± 0.112 χ^2/NDF : 24.6/15

Left Out: -0.164 ± 0.073 χ^2/NDF : 14.2/15

Right Out: -0.375 ± 0.111 χ^2/NDF : 18.2/18

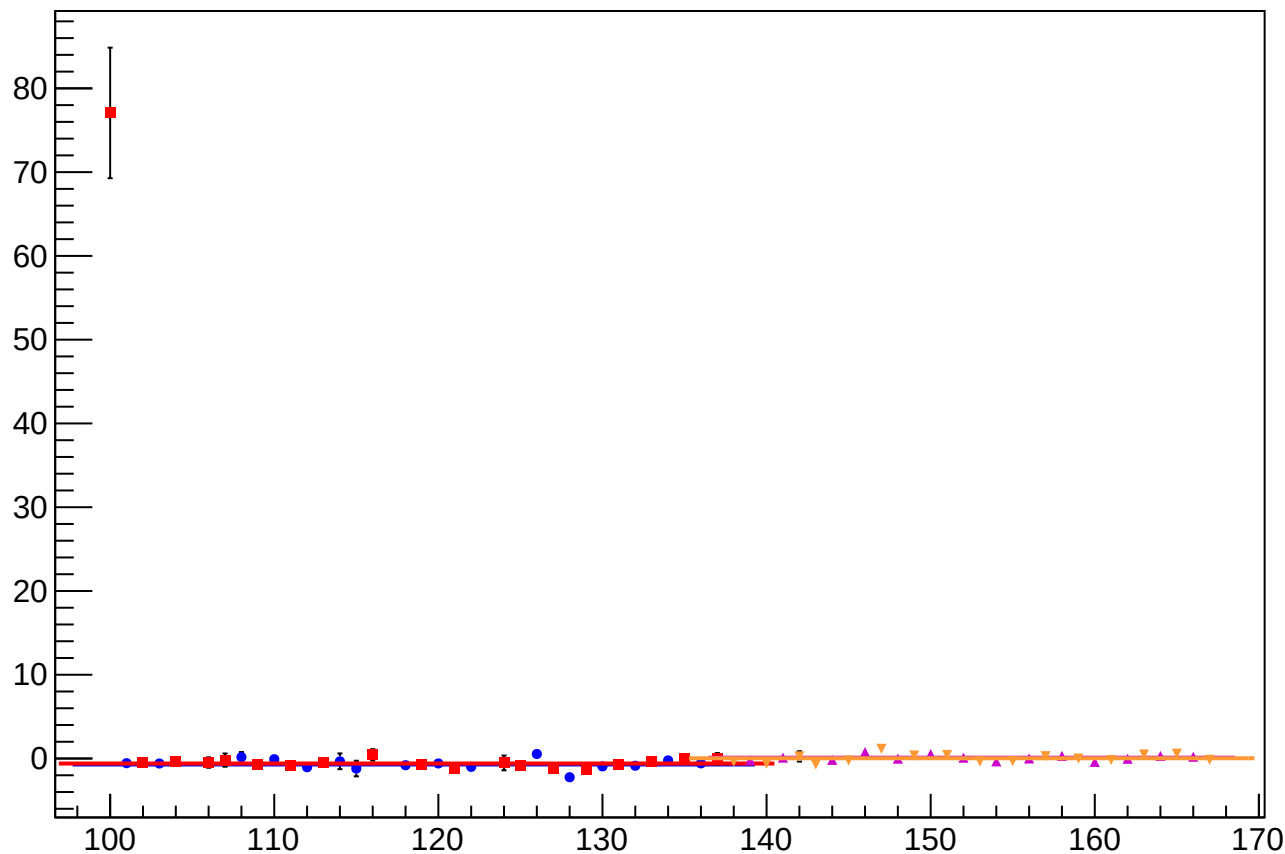
Left In: -0.394 ± 0.077 χ^2/NDF : 16.9/13

+ sign -0.154 ± 0.061 χ^2/NDF : 38.9/31

All: -0.266 ± 0.044 χ^2/NDF : 81.1/64

- sign -0.388 ± 0.064 χ^2/NDF : 35.2/32

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713 ± 0.122 χ^2/NDF : 24.9/15

Left Out: 0.029 ± 0.102 χ^2/NDF : 22.9/15

Right Out: -0.597 ± 0.122 χ^2/NDF : 110.9/18

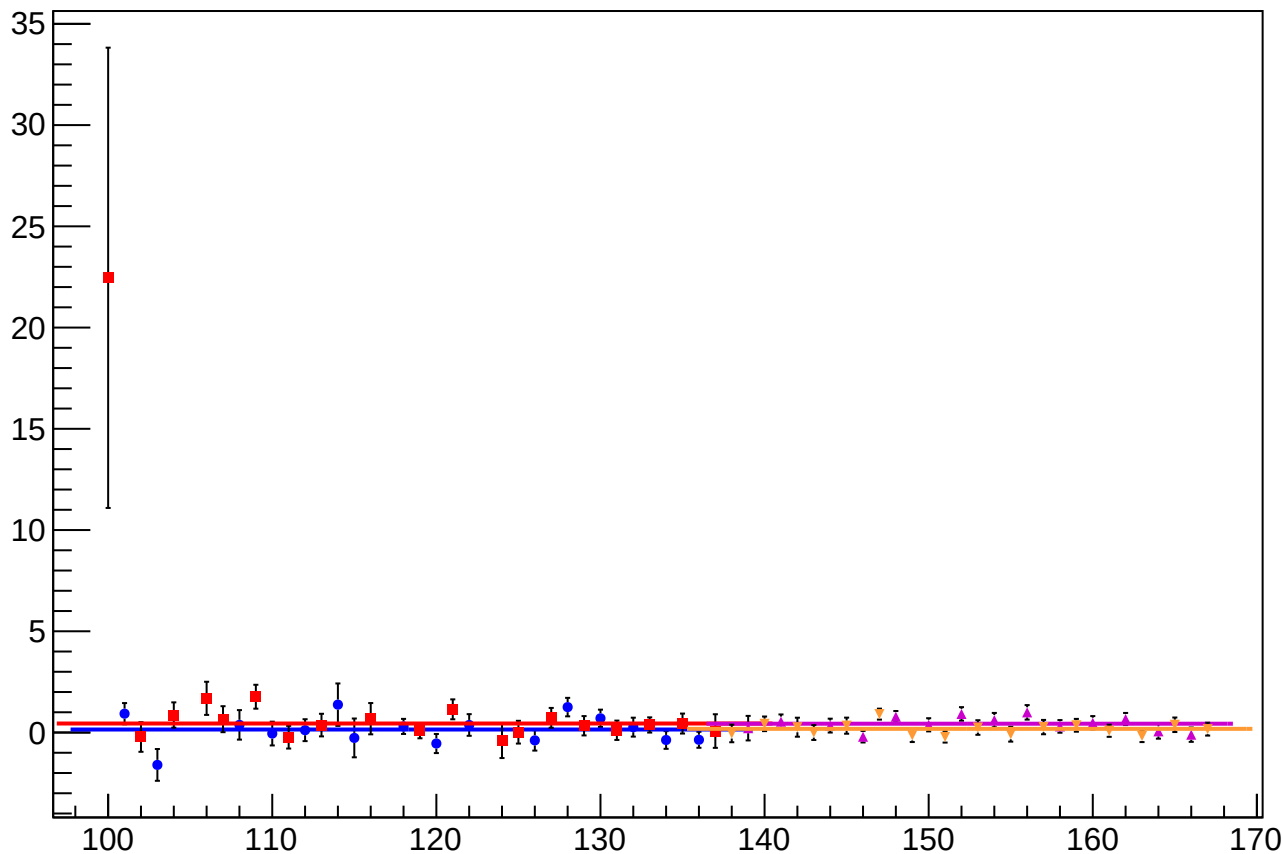
Left In: 0.095 ± 0.107 χ^2/NDF : 8.8/13

+ sign -0.279 ± 0.078 χ^2/NDF : 69.5/31

All: -0.244 ± 0.056 χ^2/NDF : 208.0/64

- sign -0.207 ± 0.080 χ^2/NDF : 138.0/32

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148 ± 0.128 χ^2/NDF : 23.3/15

Left Out: 0.181 ± 0.085 χ^2/NDF : 14.1/15

Right Out: 0.445 ± 0.128 χ^2/NDF : 19.7/18

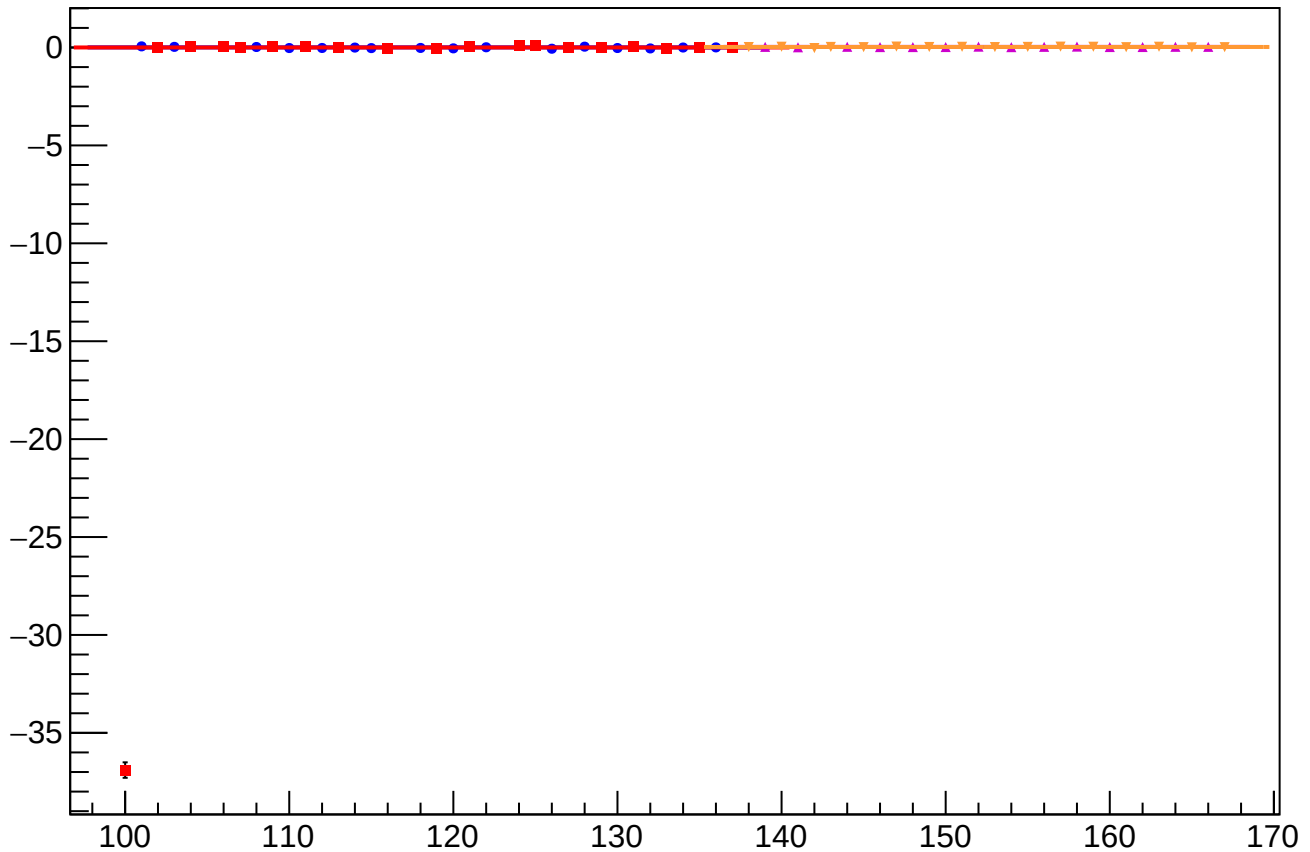
Left In: 0.435 ± 0.090 χ^2/NDF : 15.9/13

+ sign 0.171 ± 0.071 χ^2/NDF : 37.4/31

All: 0.299 ± 0.051 χ^2/NDF : 79.8/64

- sign 0.438 ± 0.073 χ^2/NDF : 35.6/32

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006 $\pm$ 0.007 χ^2 /NDF: 17.6/15

Left Out: 0.028 $\pm$ 0.004 χ^2 /NDF:13.3/15

Right Out: 0.002 $\pm$ 0.007 χ^2 /NDF: 8753.3/18

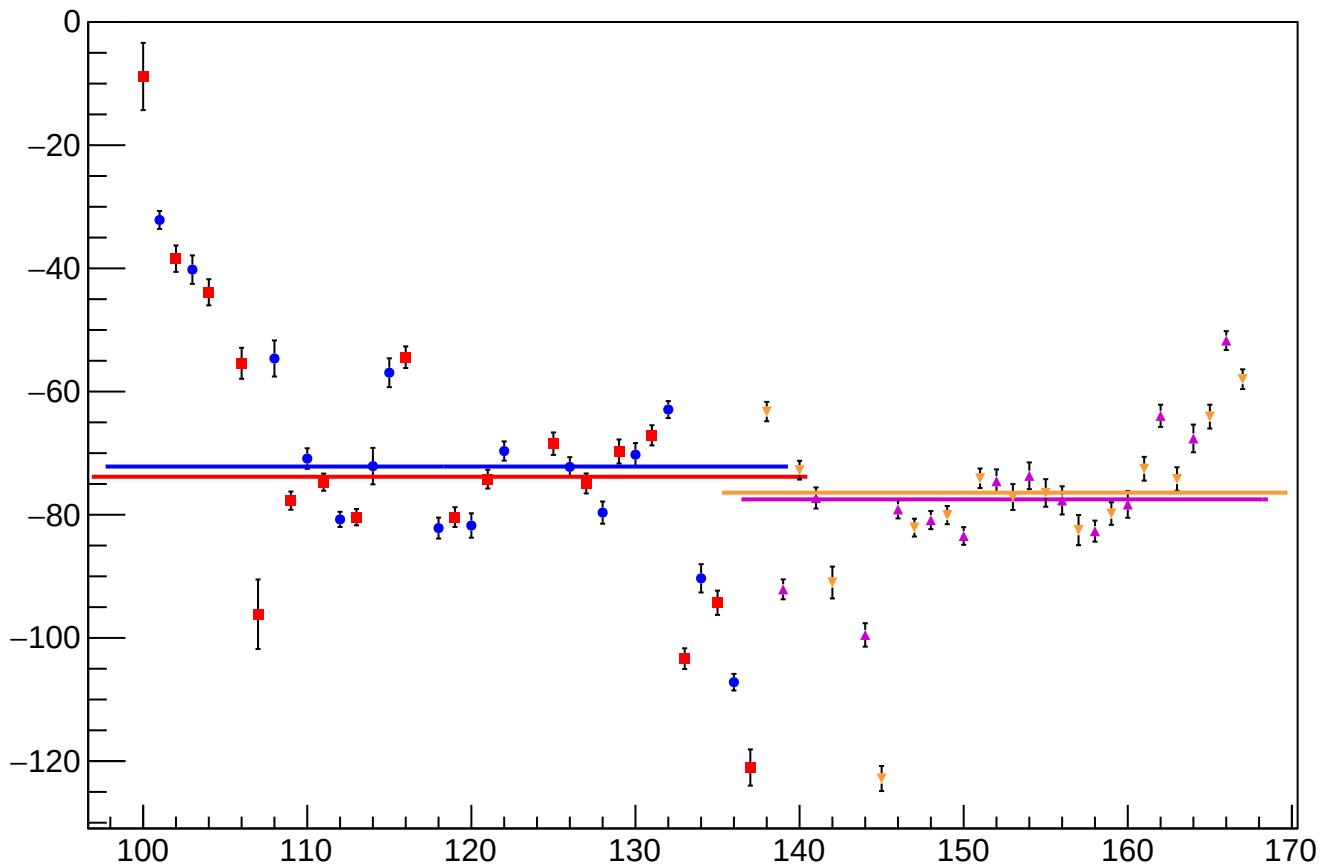
Left In: 0.031 $\pm$ 0.004 χ^2 /NDF:5.5/13

+ sign 0.023 $\pm$ 0.003 χ^2 /NDF: 37.4/31

All: 0.024 $\pm$ 0.002 χ^2 /NDF: 8807.6/64

- sign 0.024 $\pm$ 0.004 χ^2 /NDF: 8770.1/32

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173 ± 0.432 χ^2/NDF : 1936.0/15

Left Out: -76.415 ± 0.463 χ^2/NDF : 841.4/14

Right Out: -73.831 ± 0.431 χ^2/NDF : 1557.7/17

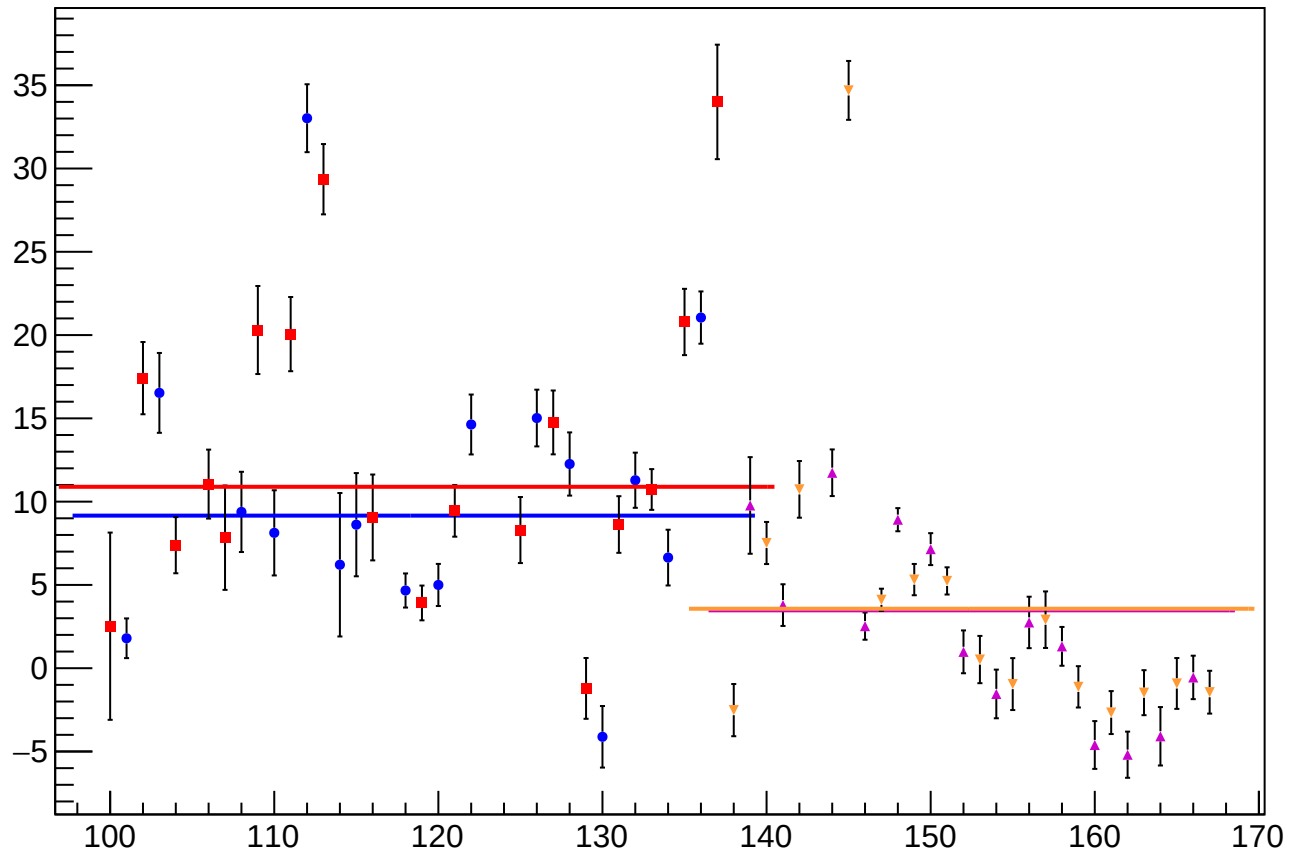
Left In: -77.506 ± 0.467 χ^2/NDF : 613.8/13

+ sign -74.146 ± 0.316 χ^2/NDF : 2822.2/30

All: -74.830 ± 0.224 χ^2/NDF : 5036.6/62

- sign -75.518 ± 0.317 χ^2/NDF : 2205.0/31

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161 ± 0.425 χ^2/NDF : 352.1/15

Left Out: 3.571 ± 0.306 χ^2/NDF : 449.4/14

Right Out: 10.892 ± 0.440 χ^2/NDF : 290.2/17

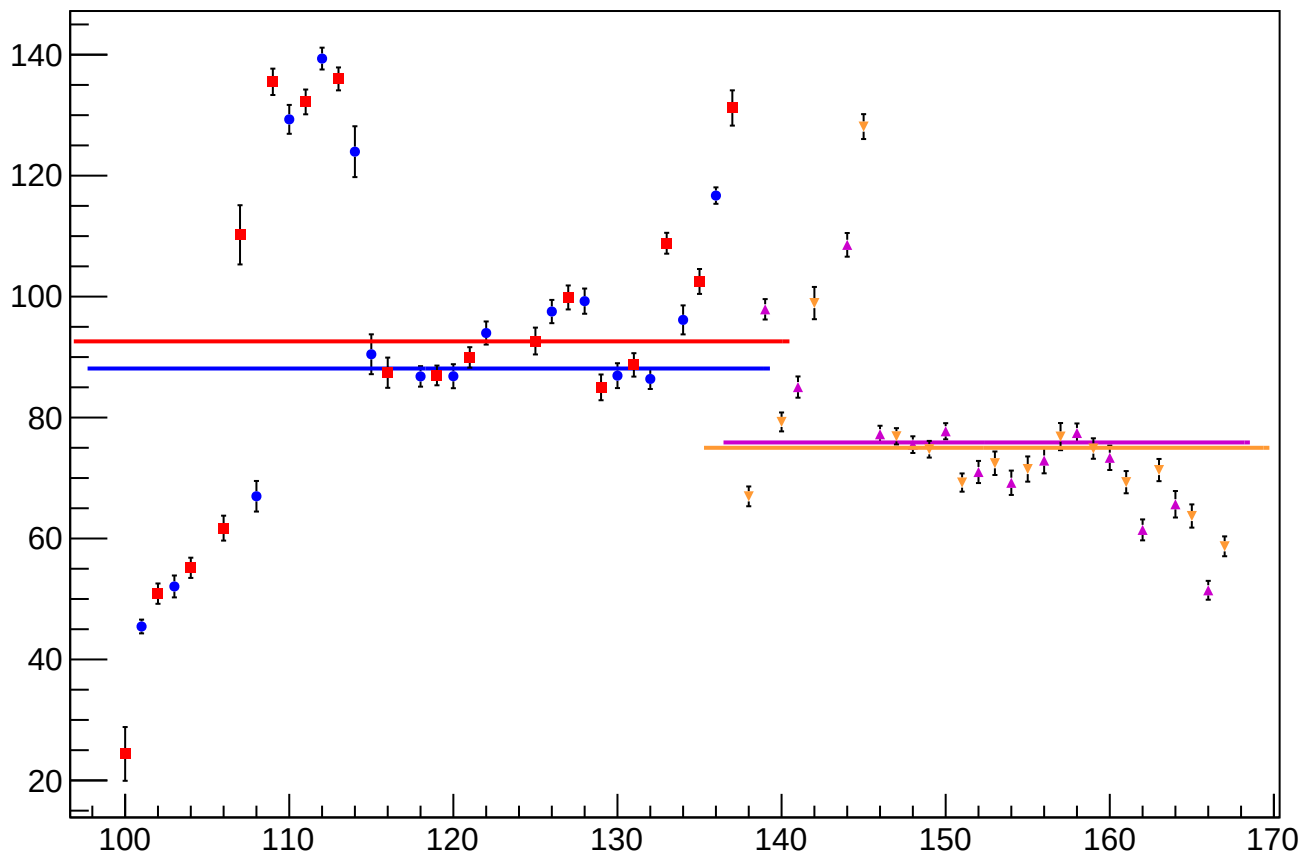
Left In: 3.474 ± 0.315 χ^2/NDF : 235.2/13

+ sign 5.479 ± 0.248 χ^2/NDF : 915.4/30

All: 5.725 ± 0.178 χ^2/NDF : 1630.7/62

- sign 5.987 ± 0.256 χ^2/NDF : 713.2/31

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109 $\pm$ 0.469 χ^2 /NDF: 3561.7/15

Left Out: 75.000 $\pm$ 0.449 χ^2 /NDF: 946.1/14

Right Out: 92.596 $\pm$ 0.483 χ^2 /NDF: 3211.0/17

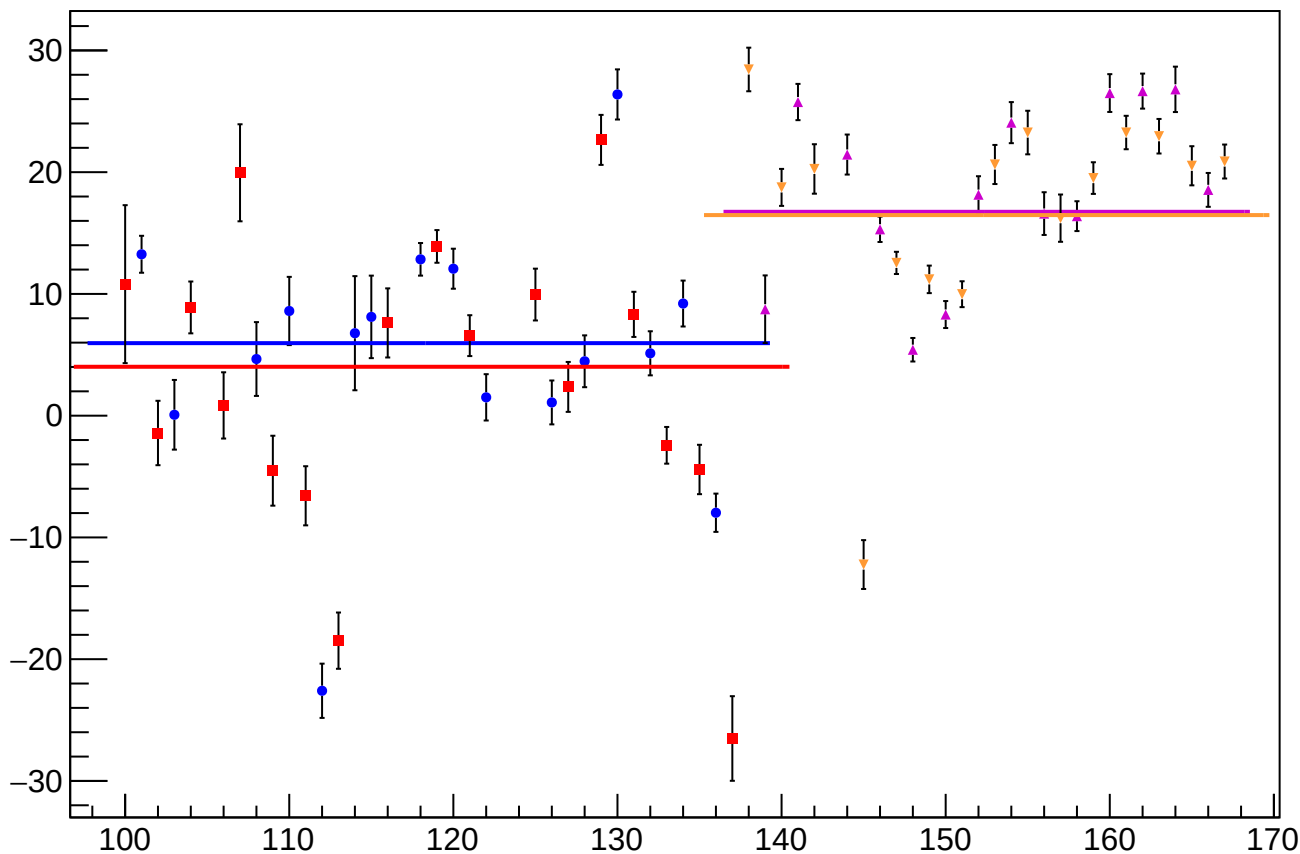
Left In: 75.883 $\pm$ 0.452 χ^2 /NDF: 838.4/13

+ sign 81.281 $\pm$ 0.324 χ^2 /NDF: 4915.5/30

All: 82.459 $\pm$ 0.231 χ^2 /NDF: 9630.3/62

- sign 83.678 $\pm$ 0.330 χ^2 /NDF: 4688.0/31

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958 ± 0.495 χ^2/NDF : 426.8/15

Left Out: 16.475 ± 0.363 χ^2/NDF : 420.9/14

Right Out: 4.017 ± 0.510 χ^2/NDF : 417.7/17

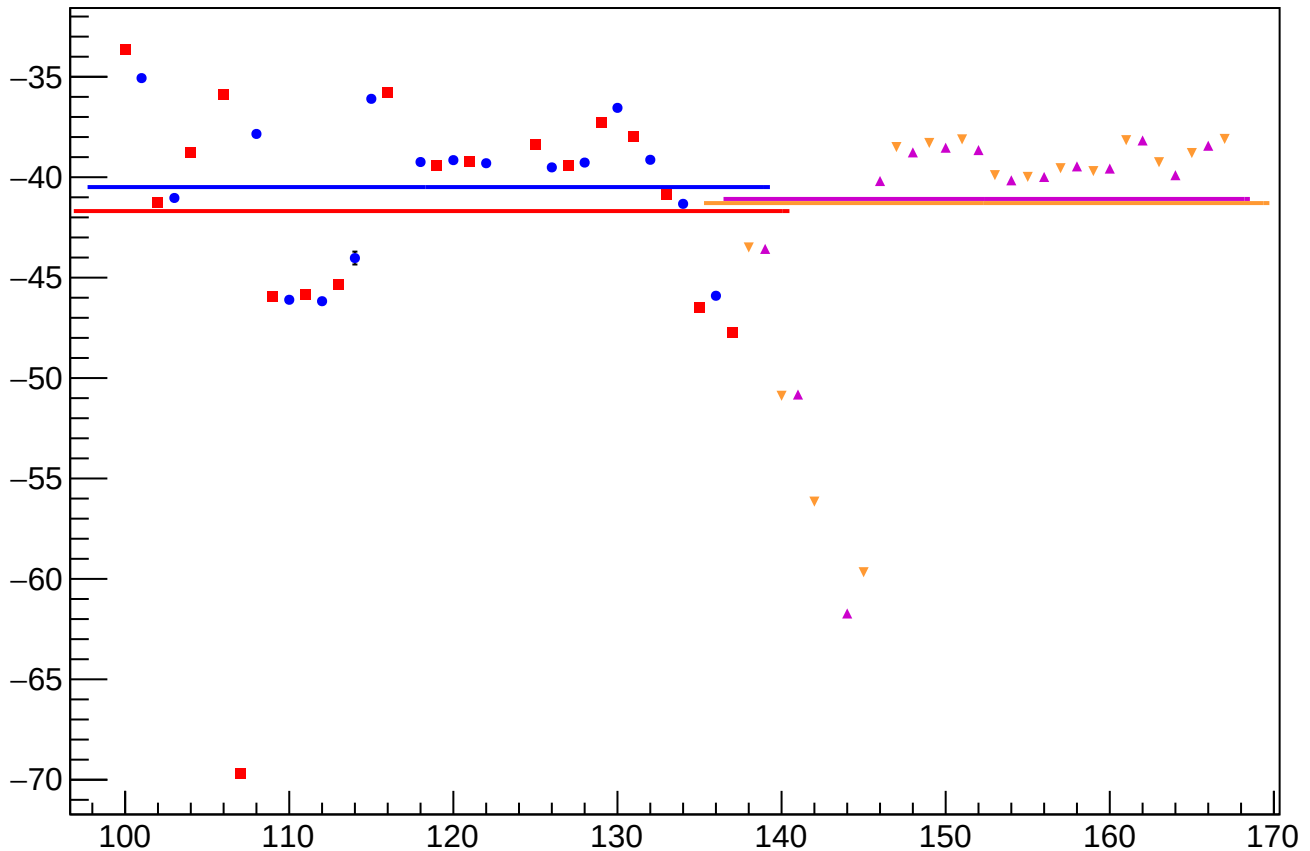
Left In: 16.745 ± 0.372 χ^2/NDF : 388.0/13

+ sign 12.795 ± 0.293 χ^2/NDF : 1141.5/30

All: 12.566 ± 0.210 χ^2/NDF : 2355.7/62

- sign 12.326 ± 0.300 χ^2/NDF : 1212.9/31

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491 ± 0.028 $\chi^2/\text{NDF}: 18125.4/15$

Left Out: -41.288 ± 0.017 $\chi^2/\text{NDF}: 106671.6/14$

Right Out: -41.686 ± 0.029 $\chi^2/\text{NDF}: 36838.6/17$

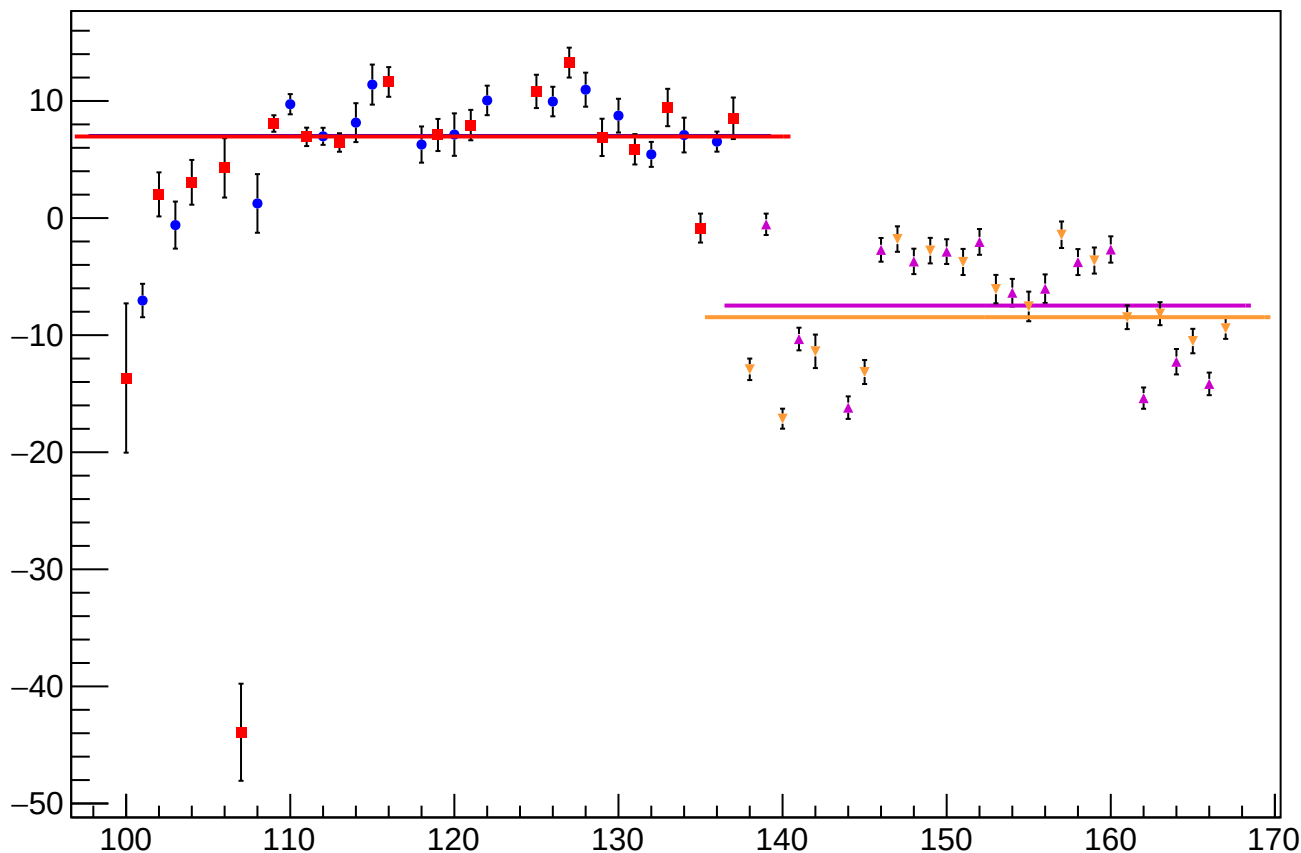
Left In: -41.081 ± 0.017 $\chi^2/\text{NDF}: 86448.7/13$

+ sign -41.073 ± 0.015 $\chi^2/\text{NDF}: 125375.5/30$

All: -41.154 ± 0.010 $\chi^2/\text{NDF}: 249041.3/62$

- sign -41.237 ± 0.015 $\chi^2/\text{NDF}: 123603.8/31$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011 ± 0.309 χ^2/NDF : 156.3/15

Left Out: -8.466 ± 0.272 χ^2/NDF : 301.1/14

Right Out: 6.967 ± 0.298 χ^2/NDF : 266.0/17

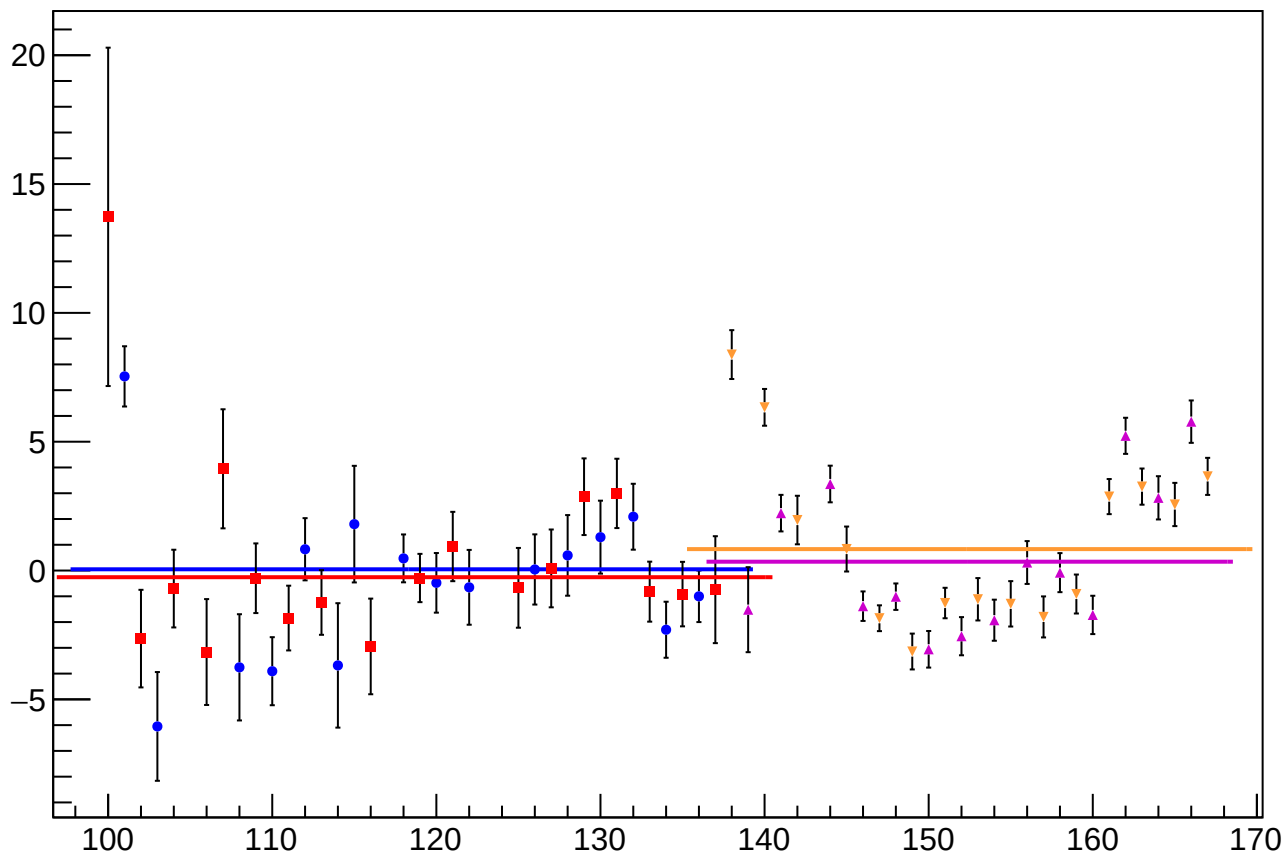
Left In: -7.474 ± 0.277 χ^2/NDF : 401.0/13

+ sign -1.723 ± 0.204 χ^2/NDF : 1870.8/30

All: -1.249 ± 0.144 χ^2/NDF : 3806.8/62

- sign -0.780 ± 0.203 χ^2/NDF : 1925.2/31

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048 ± 0.331 $\chi^2/\text{NDF}: 75.0/15$

Left Out: 0.832 ± 0.189 $\chi^2/\text{NDF}: 266.4/14$

Right Out: -0.259 ± 0.344 $\chi^2/\text{NDF}: 27.5/17$

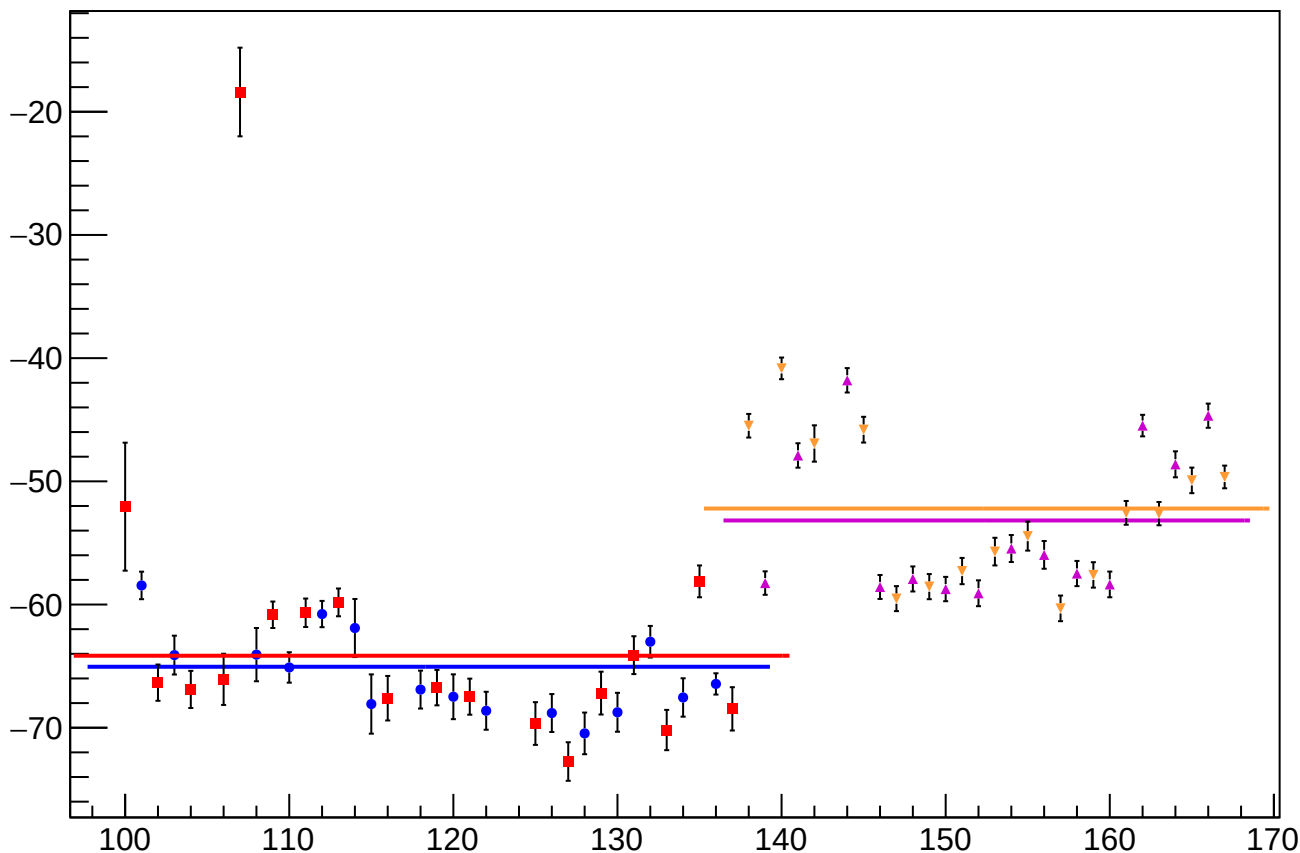
Left In: 0.343 ± 0.194 $\chi^2/\text{NDF}: 197.7/13$

+ sign 0.640 ± 0.164 $\chi^2/\text{NDF}: 345.6/30$

All: 0.426 ± 0.118 $\chi^2/\text{NDF}: 576.6/62$

- sign 0.198 ± 0.169 $\chi^2/\text{NDF}: 227.6/31$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051 ± 0.354 χ^2/NDF : 92.8/15

Left Out: -52.206 ± 0.265 χ^2/NDF : 494.5/14

Right Out: -64.156 ± 0.360 χ^2/NDF : 303.7/17

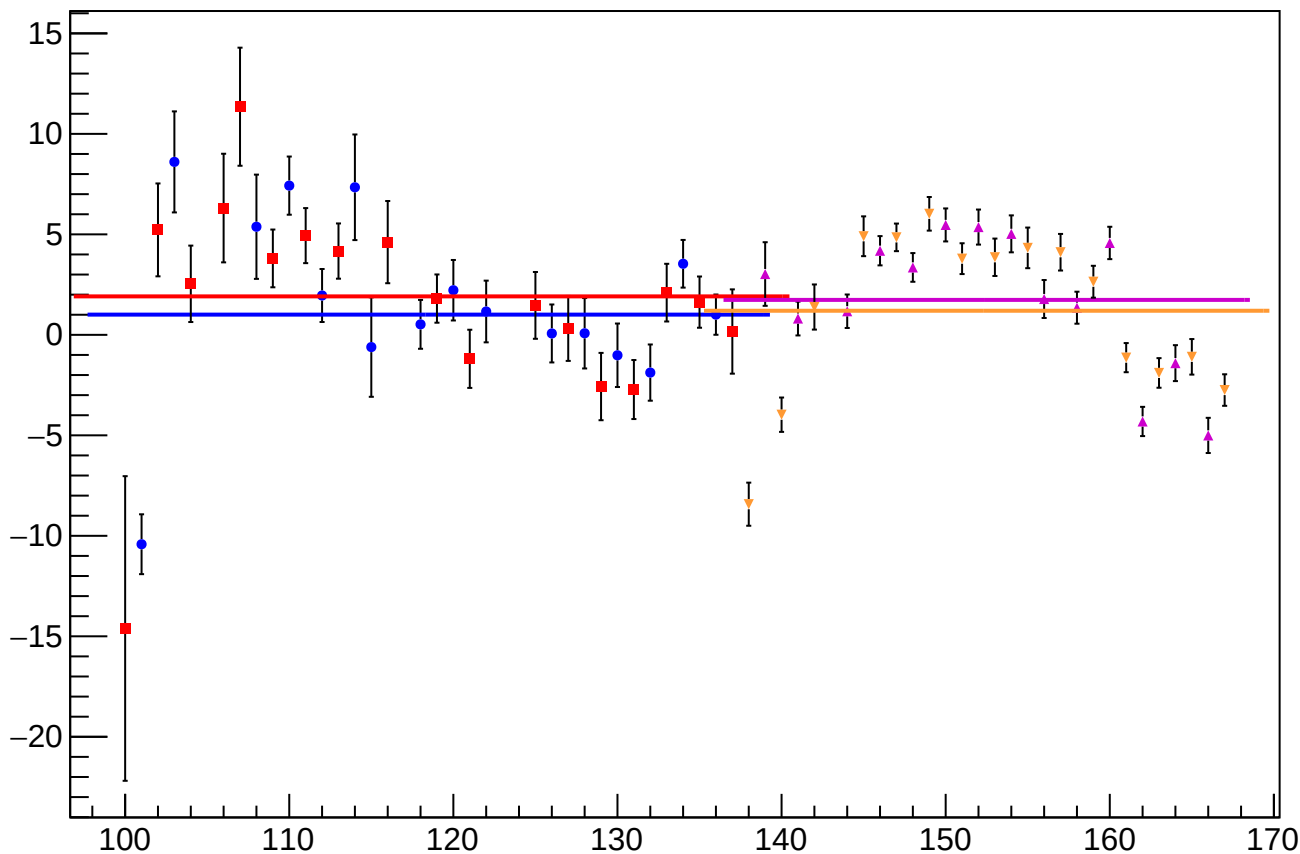
Left In: -53.176 ± 0.269 χ^2/NDF : 529.0/13

+ sign -56.817 ± 0.212 χ^2/NDF : 1431.2/30

All: -56.957 ± 0.151 χ^2/NDF : 2861.0/62

- sign -57.101 ± 0.216 χ^2/NDF : 1428.9/31

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006 ± 0.376 χ^2/NDF : 109.2/15

Left Out: 1.199 ± 0.219 χ^2/NDF : 295.5/14

Right Out: 1.914 ± 0.390 χ^2/NDF : 54.5/17

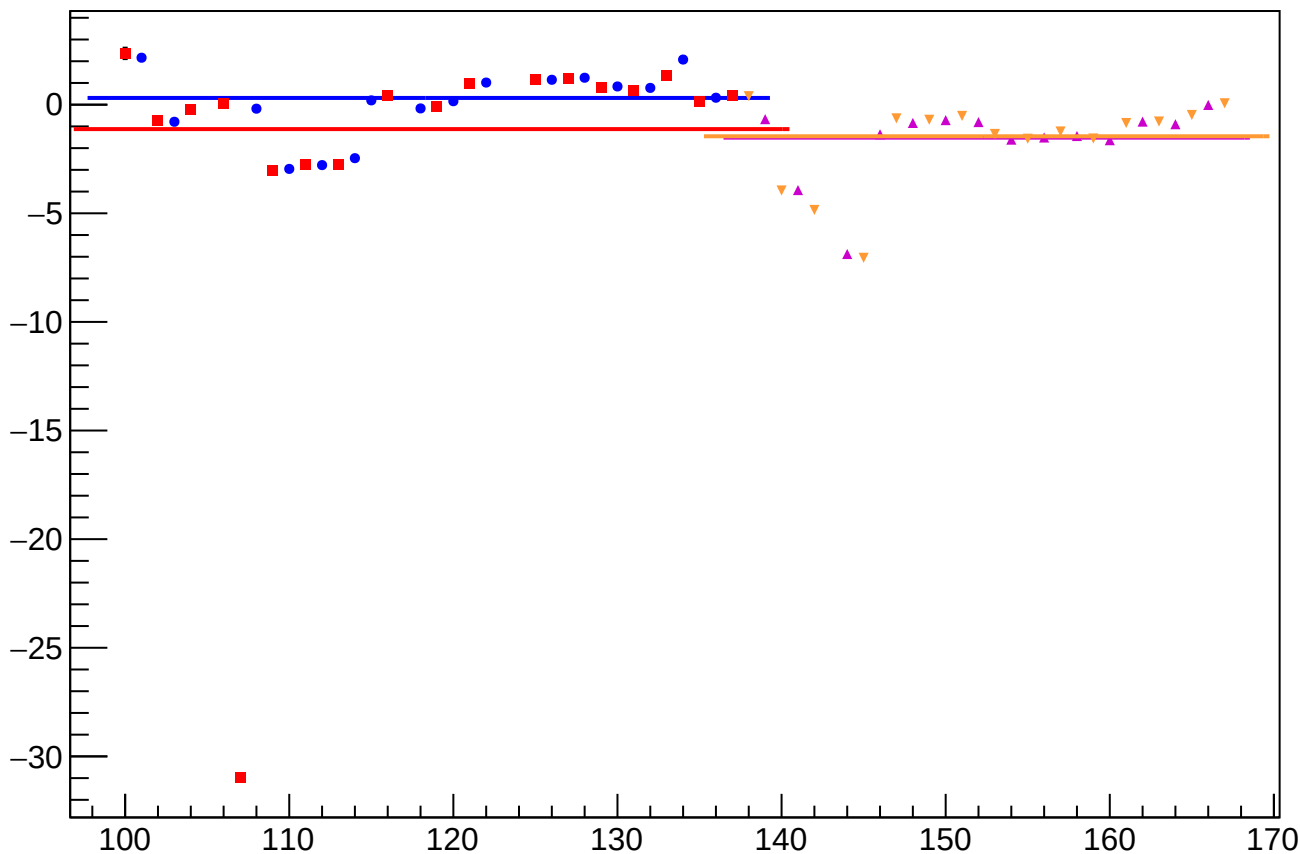
Left In: 1.739 ± 0.225 χ^2/NDF : 222.9/13

+ sign 1.150 ± 0.189 χ^2/NDF : 404.9/30

All: 1.457 ± 0.136 χ^2/NDF : 687.9/62

- sign 1.783 ± 0.195 χ^2/NDF : 277.5/31

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.021 $\chi^2/\text{NDF}: 4848.4/15$

Left Out: -1.454 ± 0.010 $\chi^2/\text{NDF}: 32632.3/14$

Right Out: -1.124 ± 0.022 $\chi^2/\text{NDF}: 46347.9/17$

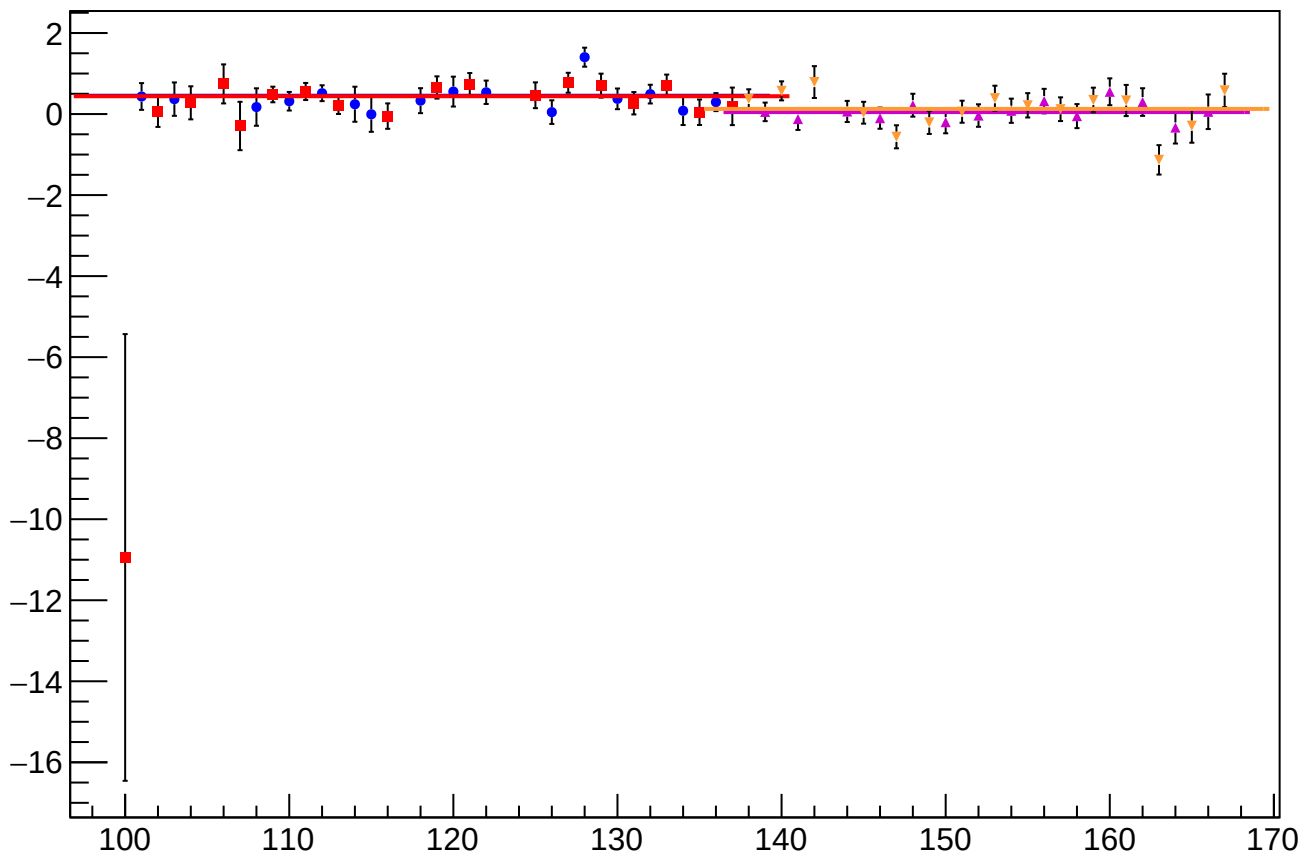
Left In: -1.517 ± 0.010 $\chi^2/\text{NDF}: 22103.2/13$

+ sign -1.132 ± 0.009 $\chi^2/\text{NDF}: 43215.9/30$

All: -1.287 ± 0.006 $\chi^2/\text{NDF}: 112531.6/62$

- sign -1.449 ± 0.009 $\chi^2/\text{NDF}: 68710.1/31$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452 ± 0.071 χ^2/NDF : 22.6/15

Left Out: 0.127 ± 0.078 χ^2/NDF : 30.7/14

Right Out: 0.440 ± 0.070 χ^2/NDF : 18.5/17

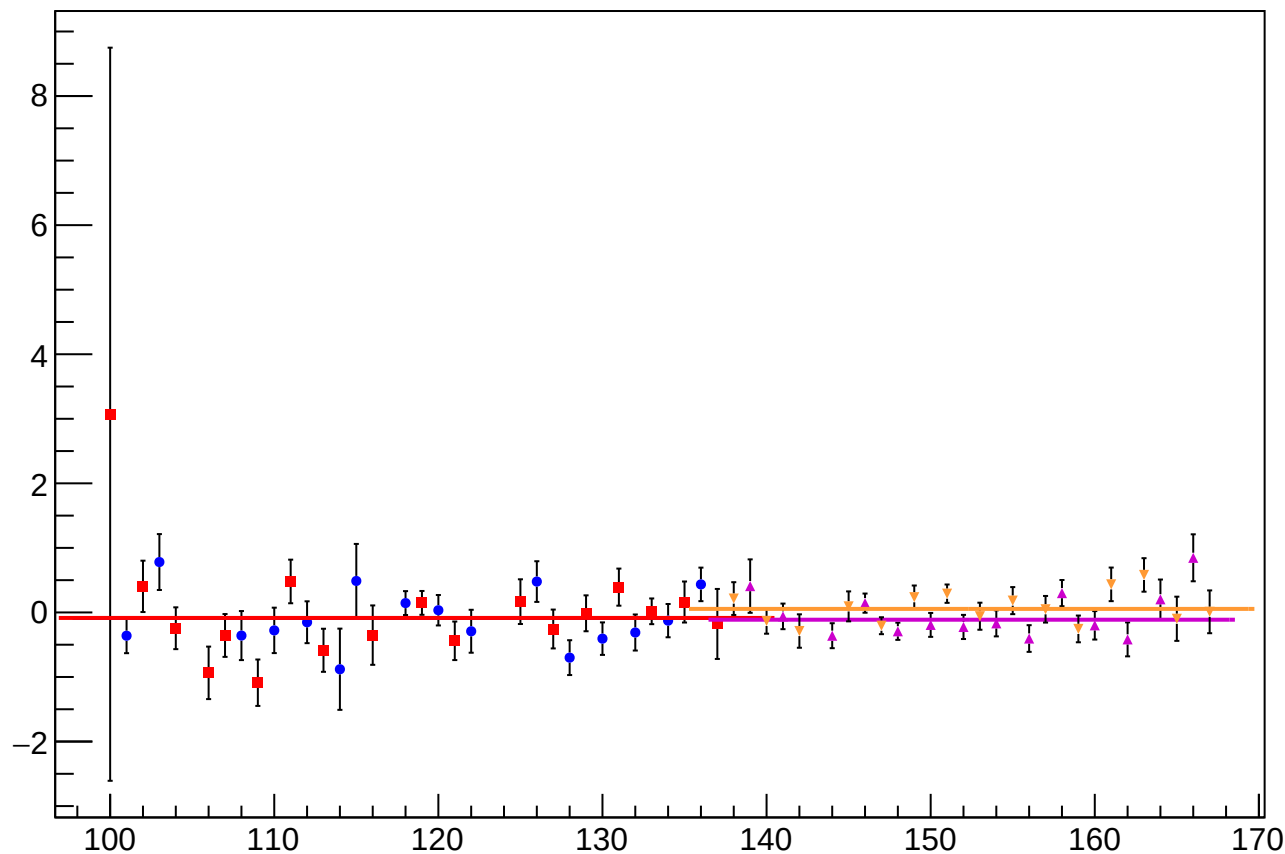
Left In: 0.048 ± 0.078 χ^2/NDF : 6.7/13

+ sign 0.304 ± 0.053 χ^2/NDF : 62.9/30

All: 0.285 ± 0.037 χ^2/NDF : 102.3/62

- sign 0.266 ± 0.052 χ^2/NDF : 39.2/31

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086 ± 0.073 $\chi^2/\text{NDF}: 25.4/15$

Left Out: 0.055 ± 0.053 $\chi^2/\text{NDF}: 20.1/14$

Right Out: -0.085 ± 0.074 $\chi^2/\text{NDF}: 27.9/17$

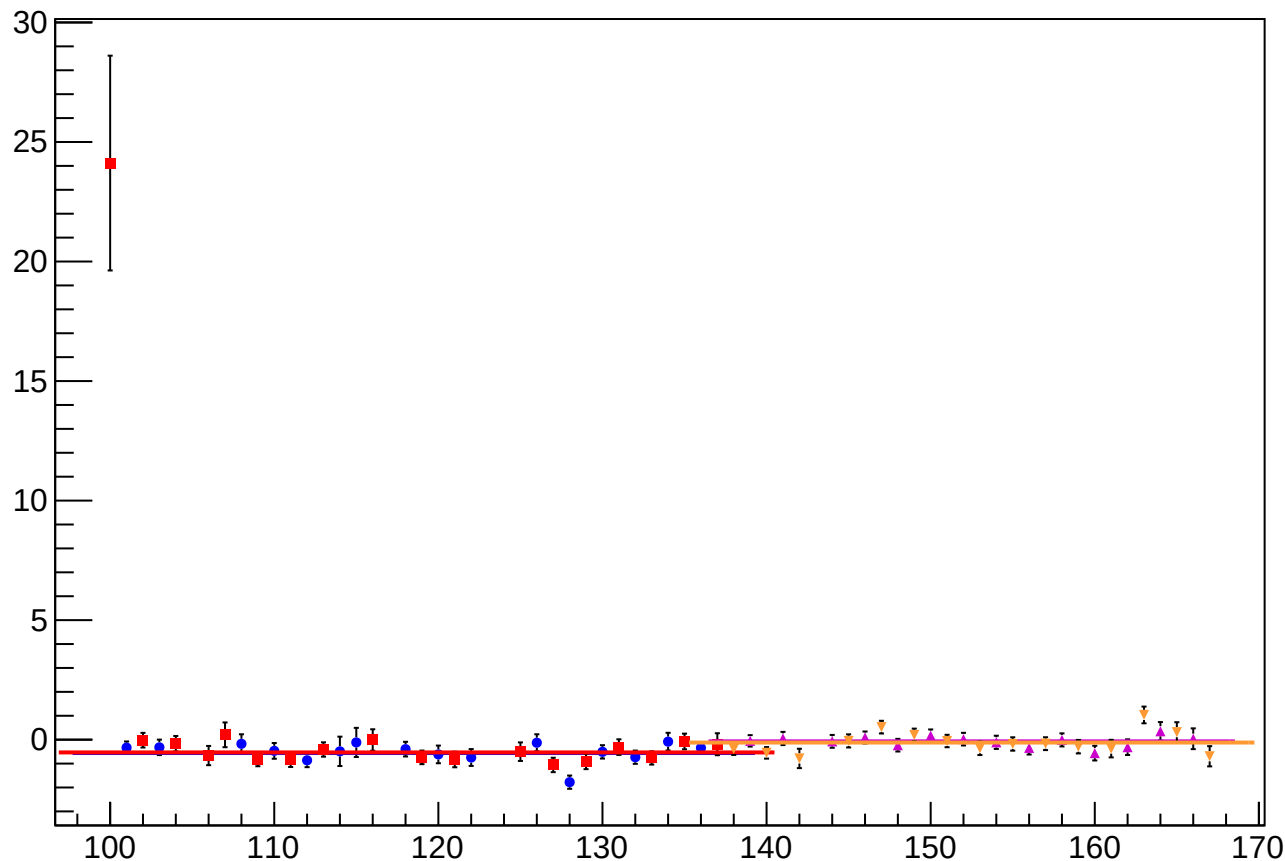
Left In: -0.113 ± 0.054 $\chi^2/\text{NDF}: 24.3/13$

+ sign 0.006 ± 0.043 $\chi^2/\text{NDF}: 48.0/30$

All: -0.048 ± 0.031 $\chi^2/\text{NDF}: 103.4/62$

- sign -0.103 ± 0.044 $\chi^2/\text{NDF}: 52.3/31$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558 ± 0.080 χ^2/NDF : 28.3/15

Left Out: -0.120 ± 0.076 χ^2/NDF : 29.9/14

Right Out: -0.534 ± 0.081 χ^2/NDF : 49.2/17

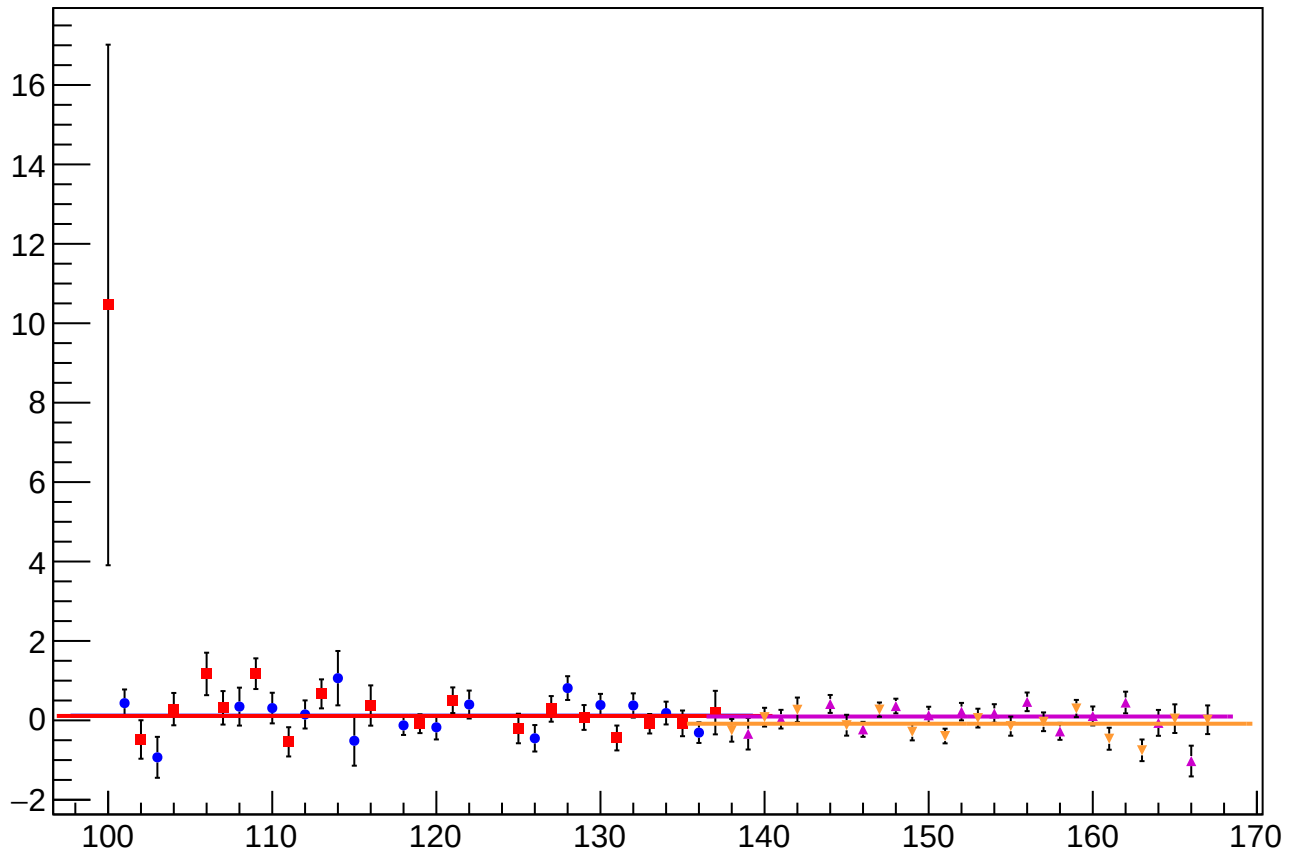
Left In: -0.071 ± 0.076 χ^2/NDF : 7.4/13

+ sign -0.328 ± 0.055 χ^2/NDF : 74.2/30

All: -0.308 ± 0.039 χ^2/NDF : 148.6/62

- sign -0.287 ± 0.055 χ^2/NDF : 74.1/31

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118 ± 0.084 χ^2/NDF : 23.6/15

Left Out: -0.085 ± 0.063 χ^2/NDF : 21.4/14

Right Out: 0.111 ± 0.085 χ^2/NDF : 29.0/17

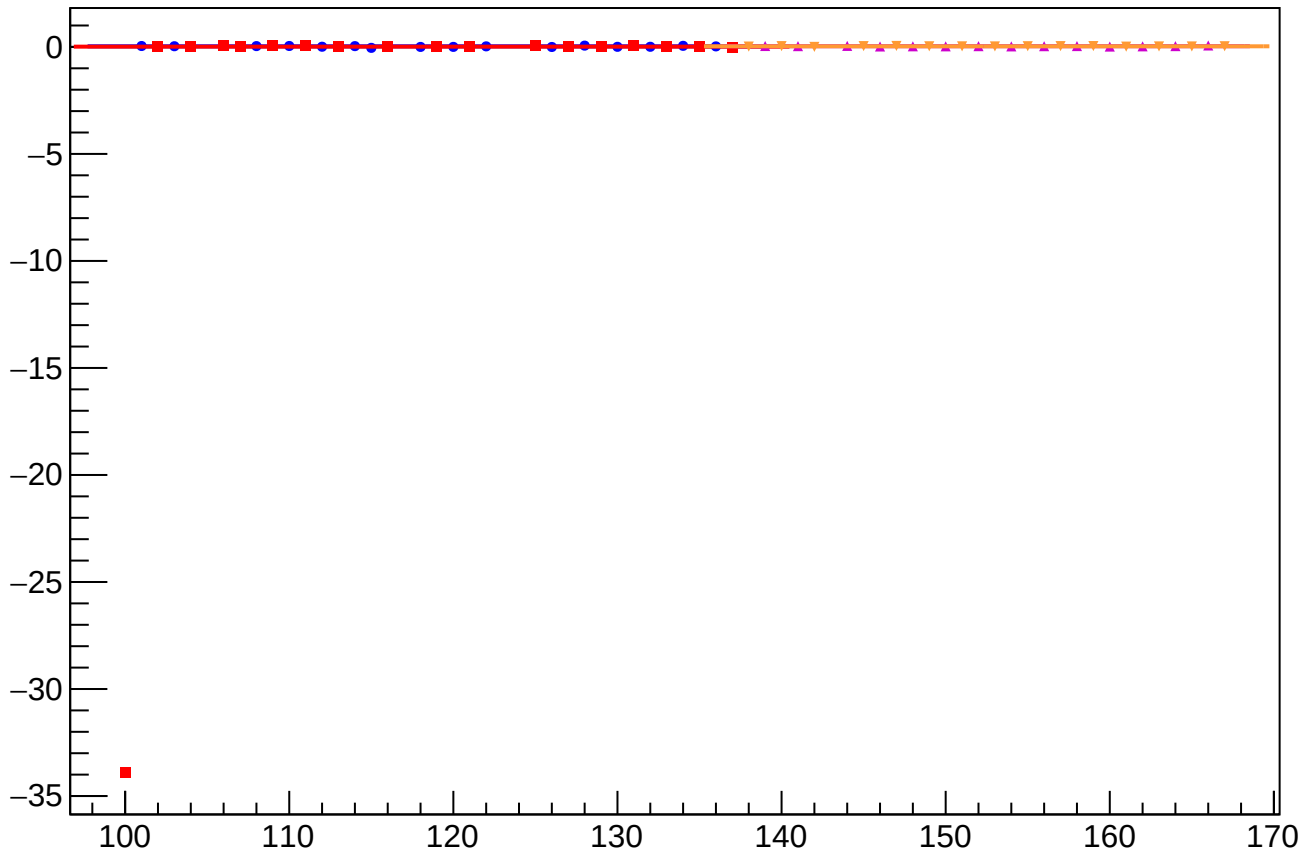
Left In: 0.097 ± 0.063 χ^2/NDF : 24.5/13

+ sign -0.012 ± 0.050 χ^2/NDF : 48.8/30

All: 0.045 ± 0.036 χ^2/NDF : 104.8/62

- sign 0.102 ± 0.051 χ^2/NDF : 53.5/31

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027 $\pm$ 0.005 χ^2 /NDF: 14.7/15

Left Out: 0.028 $\pm$ 0.003 χ^2 /NDF: 11.6/14

Right Out: 0.012 $\pm$ 0.005 χ^2 /NDF: 22262.0/17

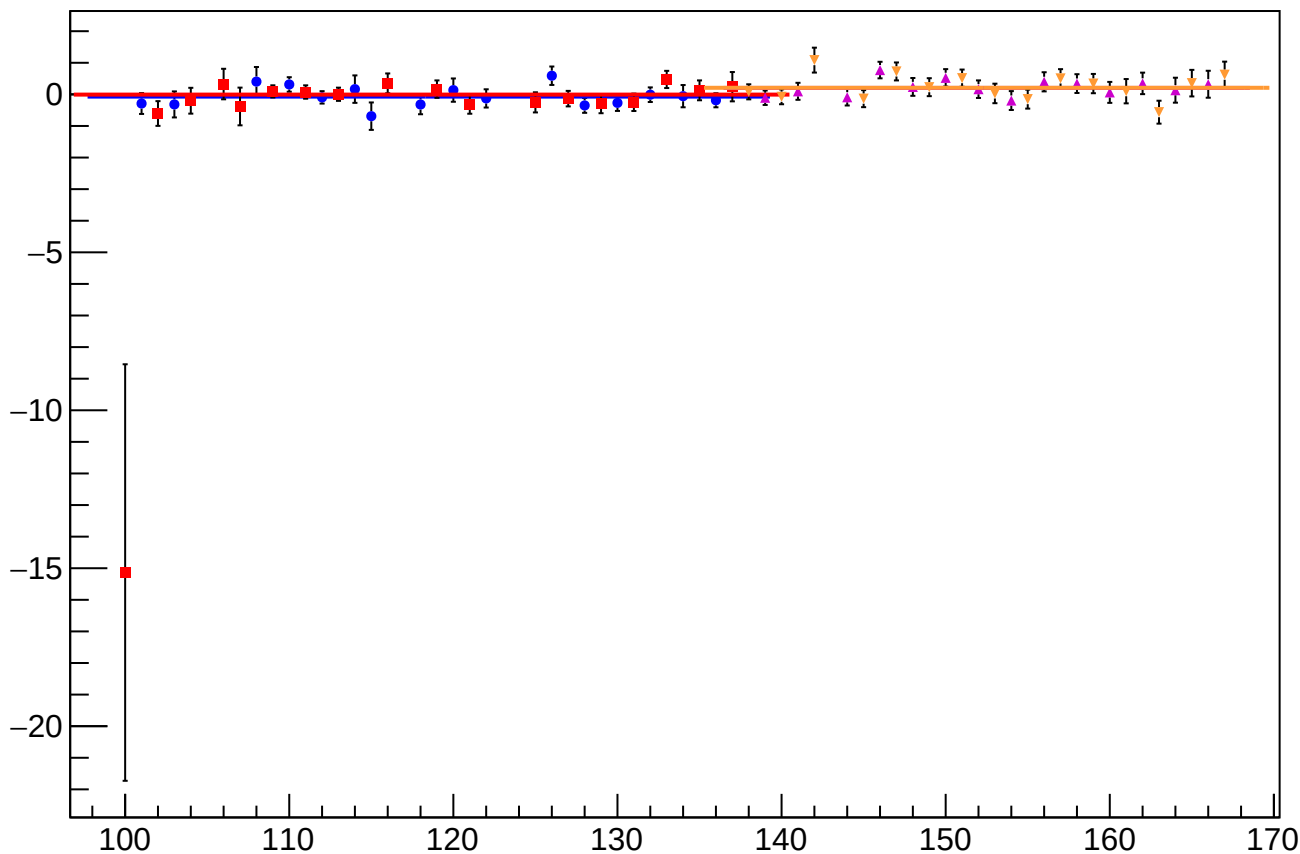
Left In: 0.033 $\pm$ 0.003 χ^2 /NDF: 12.5/13

+ sign 0.028 $\pm$ 0.002 χ^2 /NDF: 26.3/30

All: 0.028 $\pm$ 0.002 χ^2 /NDF: 22315.0/62

- sign 0.028 $\pm$ 0.002 χ^2 /NDF: 22288.7/31

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070 ± 0.071 χ^2/NDF : 15.5/15

Left Out: 0.208 ± 0.078 χ^2/NDF : 21.6/14

Right Out: -0.007 ± 0.070 χ^2/NDF : 18.1/17

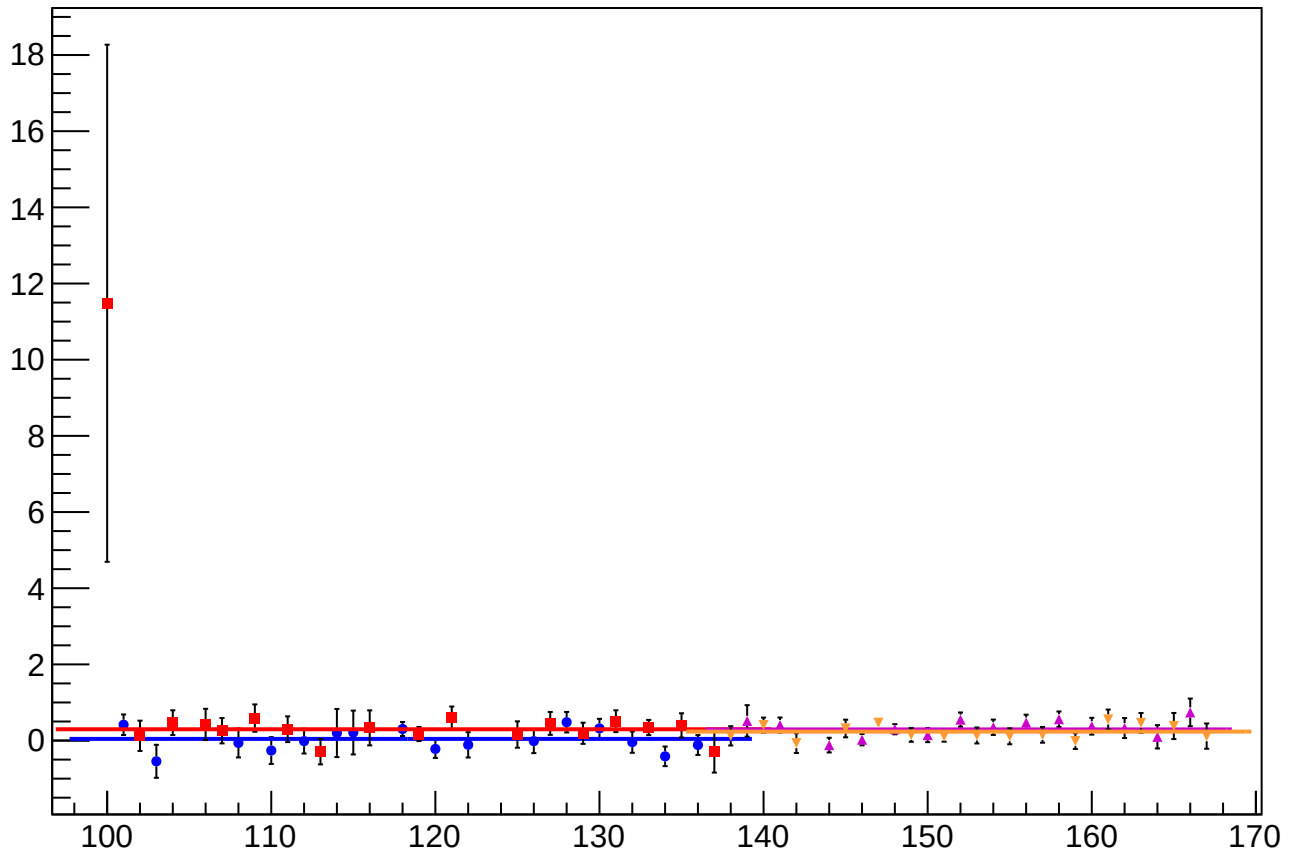
Left In: 0.204 ± 0.078 χ^2/NDF : 12.2/13

+ sign 0.056 ± 0.053 χ^2/NDF : 44.1/30

All: 0.072 ± 0.037 χ^2/NDF : 78.7/62

- sign 0.086 ± 0.052 χ^2/NDF : 34.4/31

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044 $\pm$ 0.073 χ^2 /NDF: 15.7/15

Left Out: 0.235 $\pm$ 0.053 χ^2 /NDF:11.3/14

Right Out: 0.296 $\pm$ 0.074 χ^2 /NDF: 11.0/17

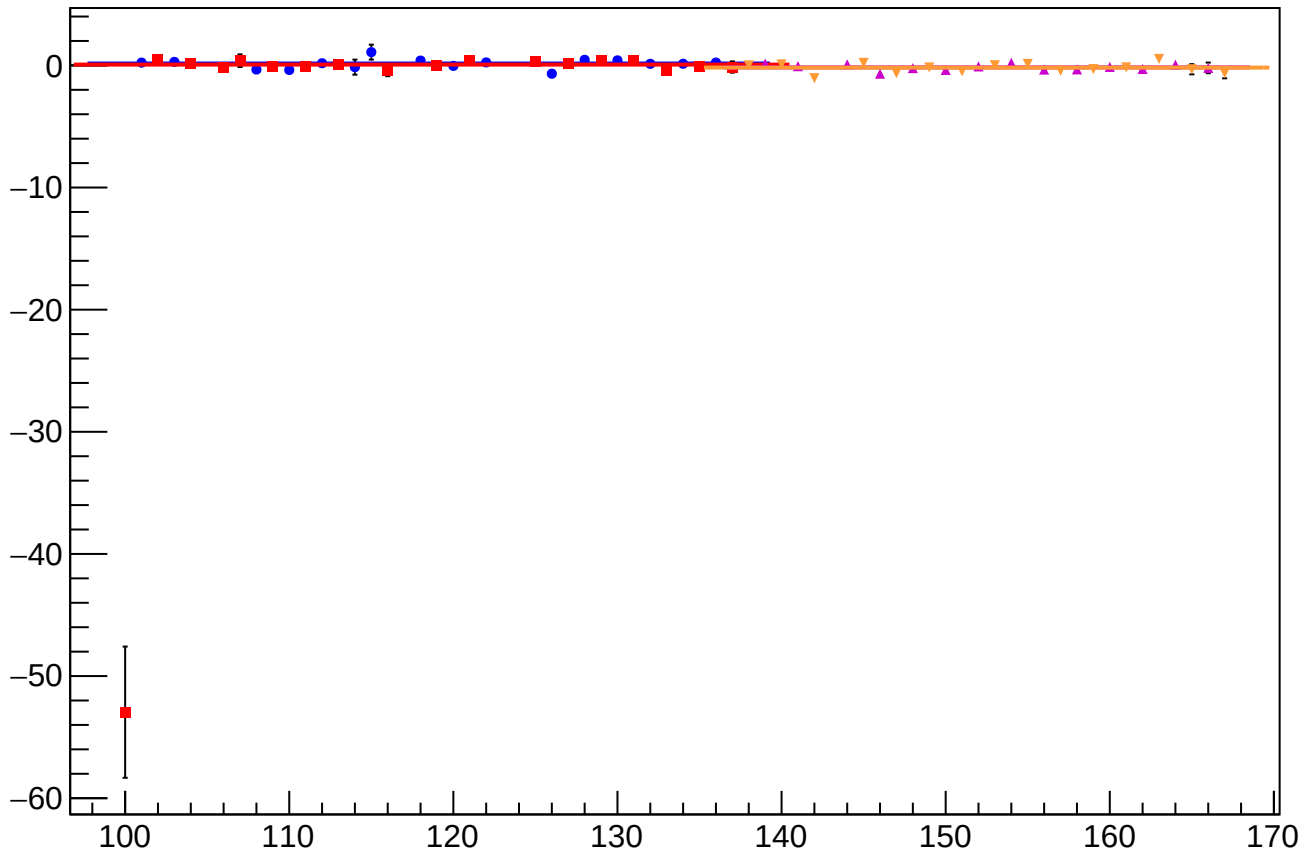
Left In: 0.292 $\pm$ 0.054 χ^2 /NDF:15.6/13

+ sign 0.169 $\pm$ 0.043 χ^2 /NDF: 31.5/30

All: 0.230 $\pm$ 0.031 χ^2 /NDF: 62.3/62

- sign 0.294 $\pm$ 0.044 χ^2 /NDF: 26.6/31

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.080 χ^2 /NDF: 15.6/15

Left Out: -0.180 $\pm$ 0.076 χ^2 /NDF: 20.7/14

Right Out: 0.065 $\pm$ 0.081 χ^2 /NDF: 109.3/17

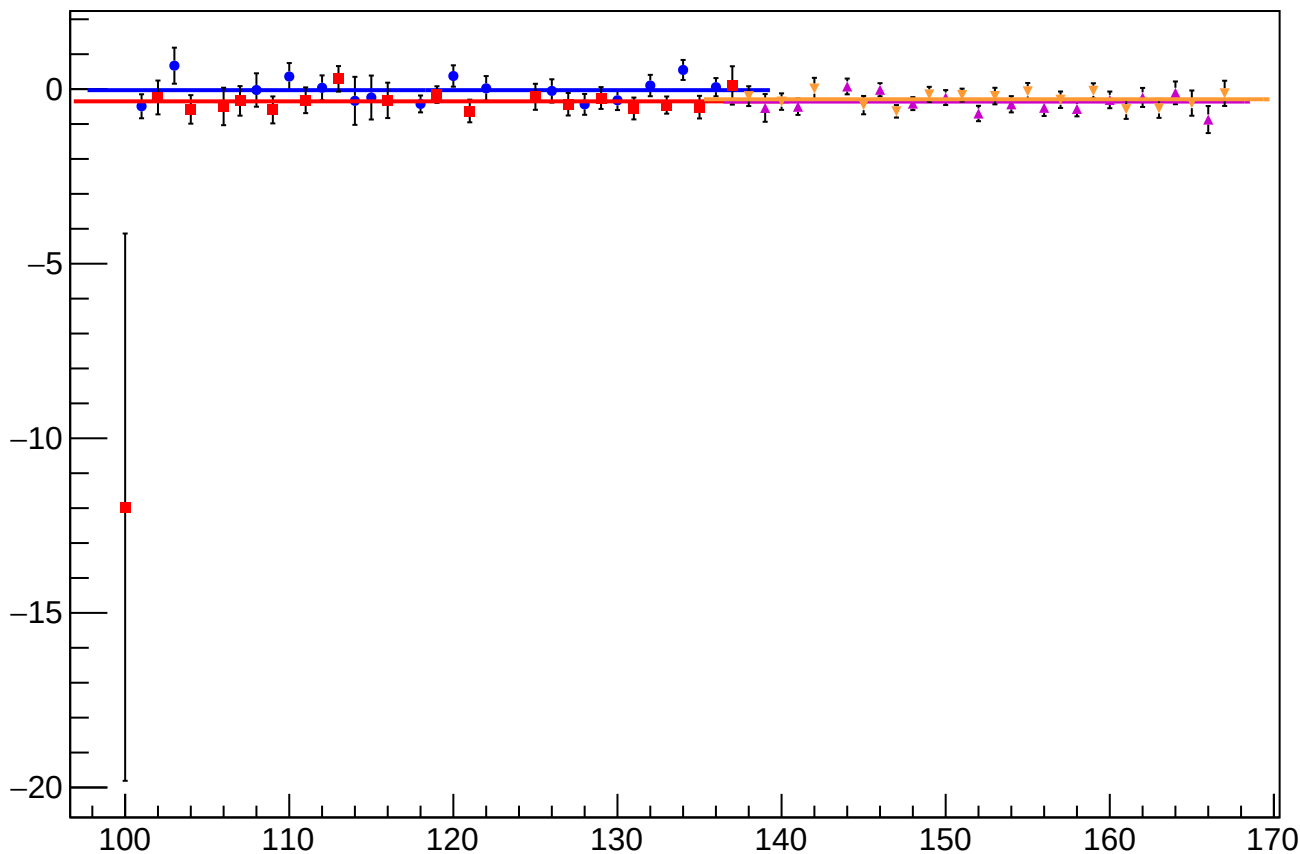
Left In: -0.163 $\pm$ 0.076 χ^2 /NDF: 10.7/13

+ sign -0.022 $\pm$ 0.055 χ^2 /NDF: 45.4/30

All: -0.039 $\pm$ 0.039 χ^2 /NDF: 169.9/62

- sign -0.056 $\pm$ 0.055 χ^2 /NDF: 124.3/31

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030 ± 0.084 χ^2/NDF : 16.8/15

Left Out: -0.291 ± 0.063 χ^2/NDF : 10.7/14

Right Out: -0.350 ± 0.085 χ^2/NDF : 9.4/17

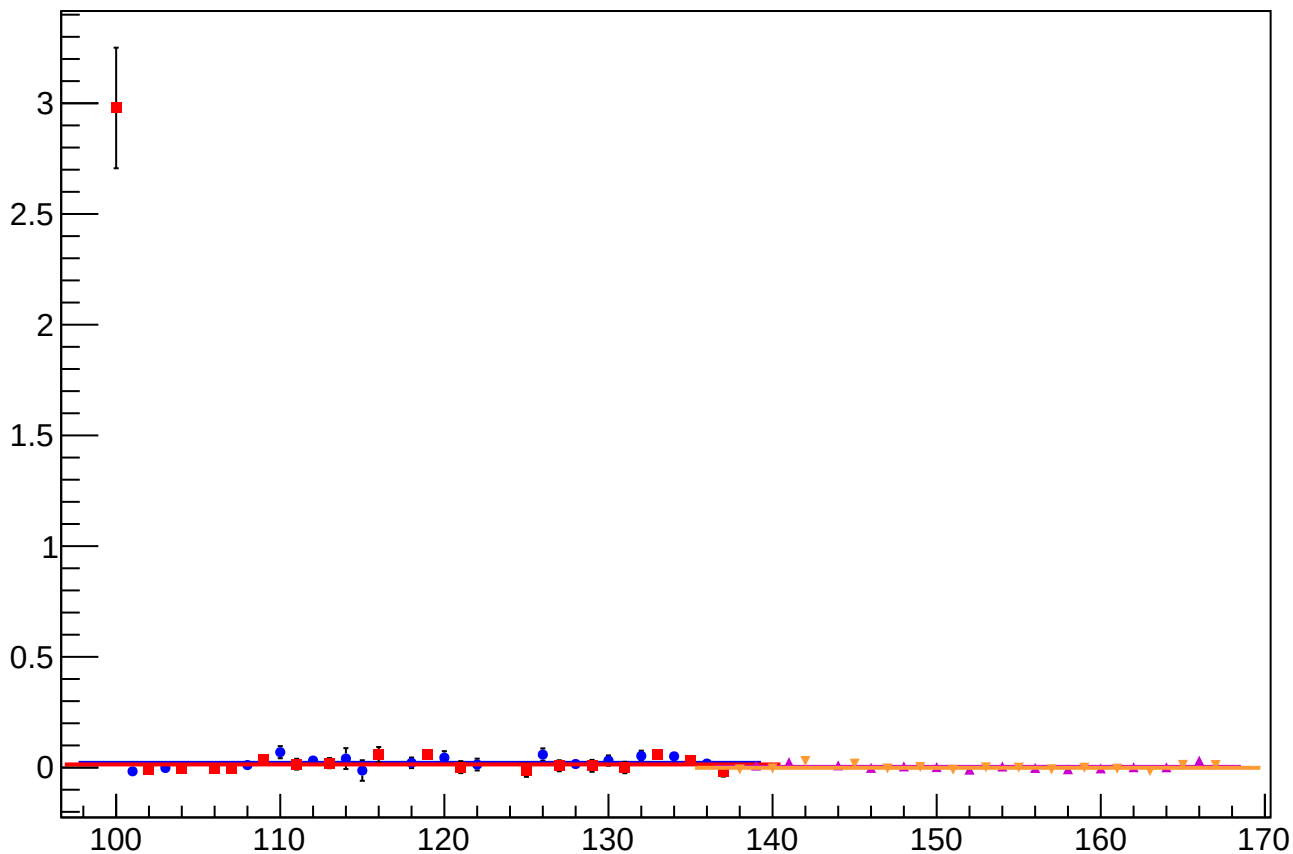
Left In: -0.357 ± 0.063 χ^2/NDF : 14.5/13

+ sign -0.197 ± 0.050 χ^2/NDF : 33.6/30

All: -0.275 ± 0.036 χ^2/NDF : 62.4/62

- sign -0.355 ± 0.051 χ^2/NDF : 23.9/31

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021 ± 0.005 χ^2/NDF : 22.5/15

Left Out: -0.001 ± 0.003 χ^2/NDF : 11.3/14

Right Out: 0.014 ± 0.005 χ^2/NDF : 140.9/17

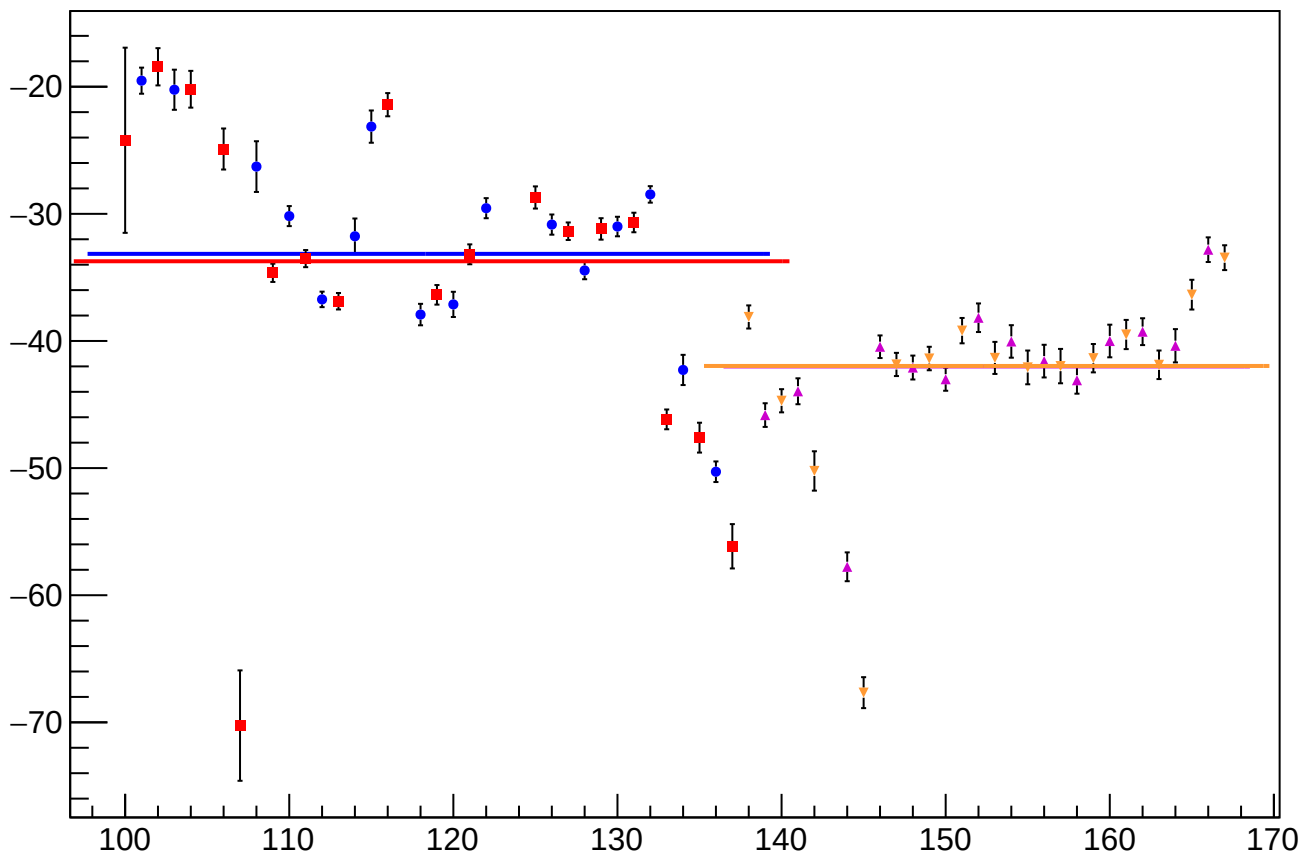
Left In: 0.003 ± 0.003 χ^2/NDF : 10.9/13

+ sign 0.005 ± 0.002 χ^2/NDF : 49.7/30

All: 0.005 ± 0.002 χ^2/NDF : 205.3/62

- sign 0.006 ± 0.002 χ^2/NDF : 155.5/31

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148 ± 0.218 $\chi^2/\text{NDF}: 1013.9/15$

Left Out: -41.966 ± 0.280 $\chi^2/\text{NDF}: 613.4/14$

Right Out: -33.730 ± 0.215 $\chi^2/\text{NDF}: 1148.4/17$

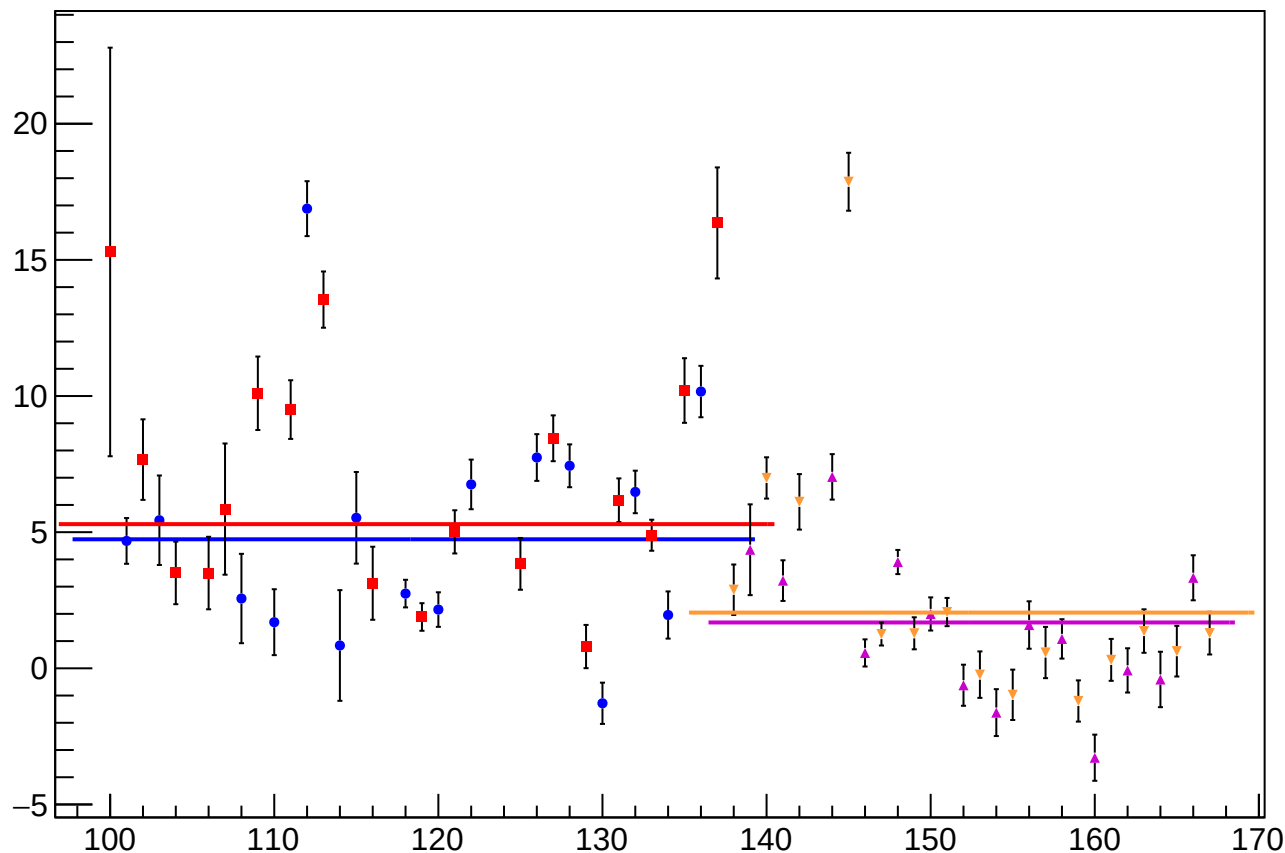
Left In: -42.003 ± 0.282 $\chi^2/\text{NDF}: 333.5/13$

+ sign -36.476 ± 0.172 $\chi^2/\text{NDF}: 2245.1/30$

All: -36.621 ± 0.121 $\chi^2/\text{NDF}: 4272.3/62$

- sign -36.765 ± 0.171 $\chi^2/\text{NDF}: 2025.8/31$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738 ± 0.219 χ^2/NDF : 329.6/15

Left Out: 2.047 ± 0.187 χ^2/NDF : 333.3/14

Right Out: 5.295 ± 0.223 χ^2/NDF : 245.0/17

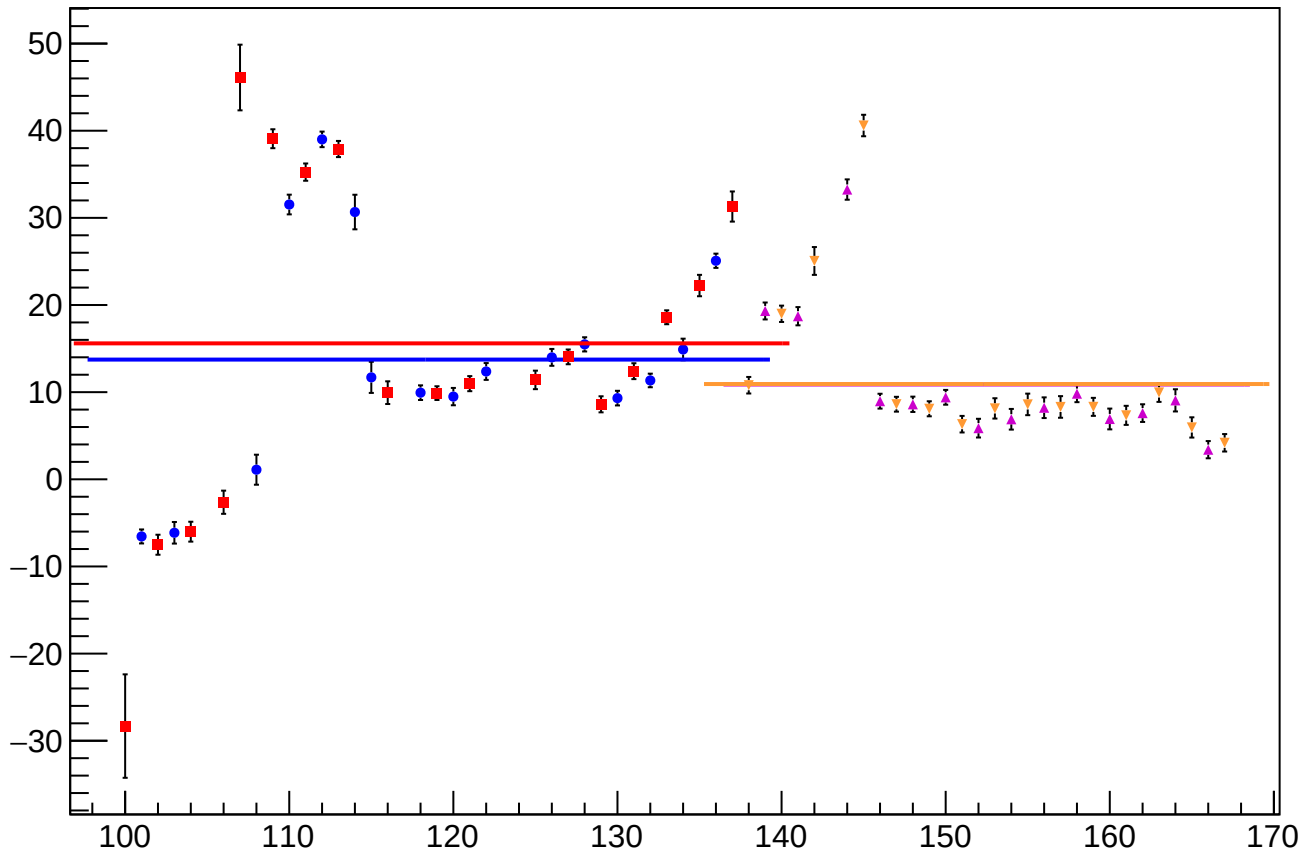
Left In: 1.684 ± 0.192 χ^2/NDF : 150.1/13

+ sign 3.183 ± 0.142 χ^2/NDF : 749.9/30

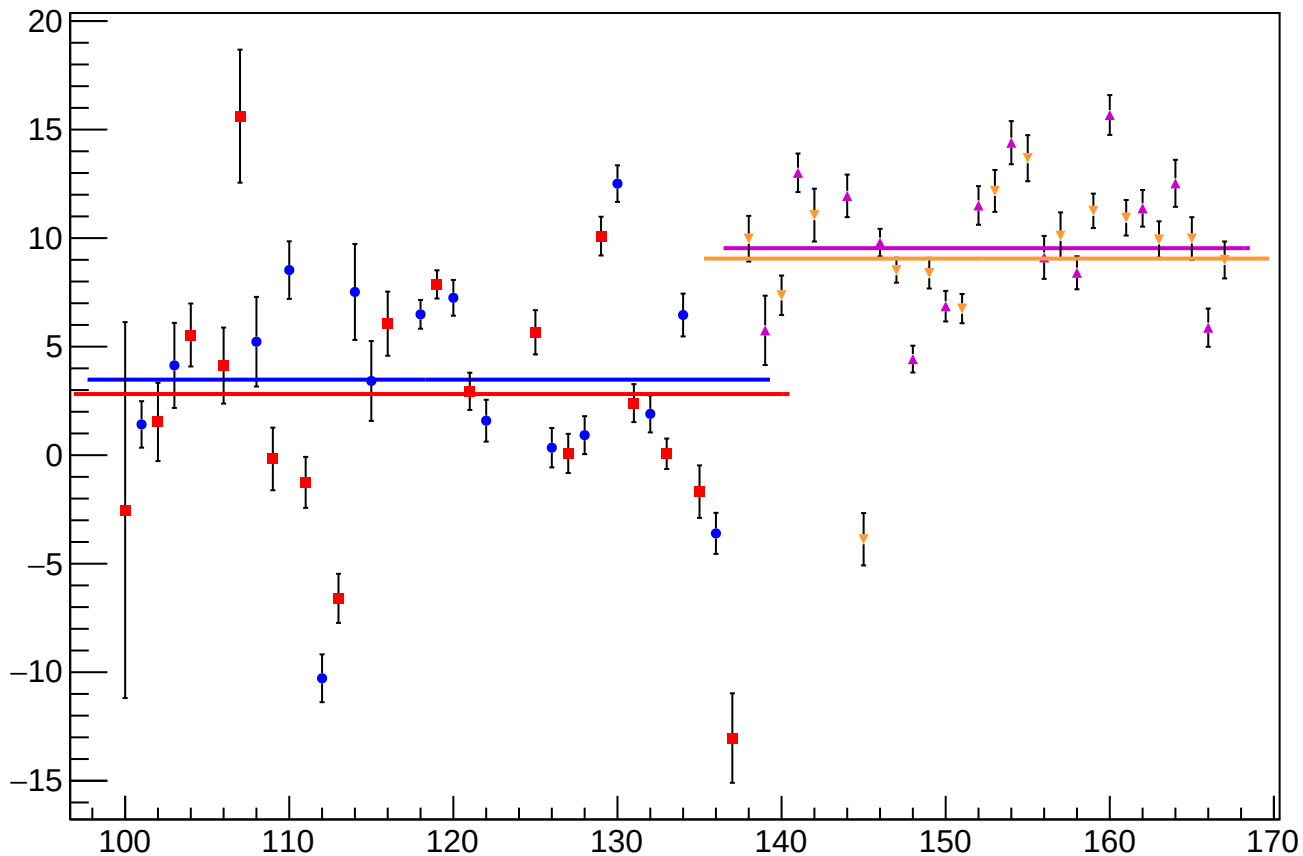
All: 3.202 ± 0.102 χ^2/NDF : 1295.3/62

- sign 3.221 ± 0.146 χ^2/NDF : 545.3/31

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479 ± 0.254 χ^2/NDF : 427.6/15

Left Out: 9.058 ± 0.221 χ^2/NDF : 180.6/14

Right Out: 2.817 ± 0.257 χ^2/NDF : 345.3/17

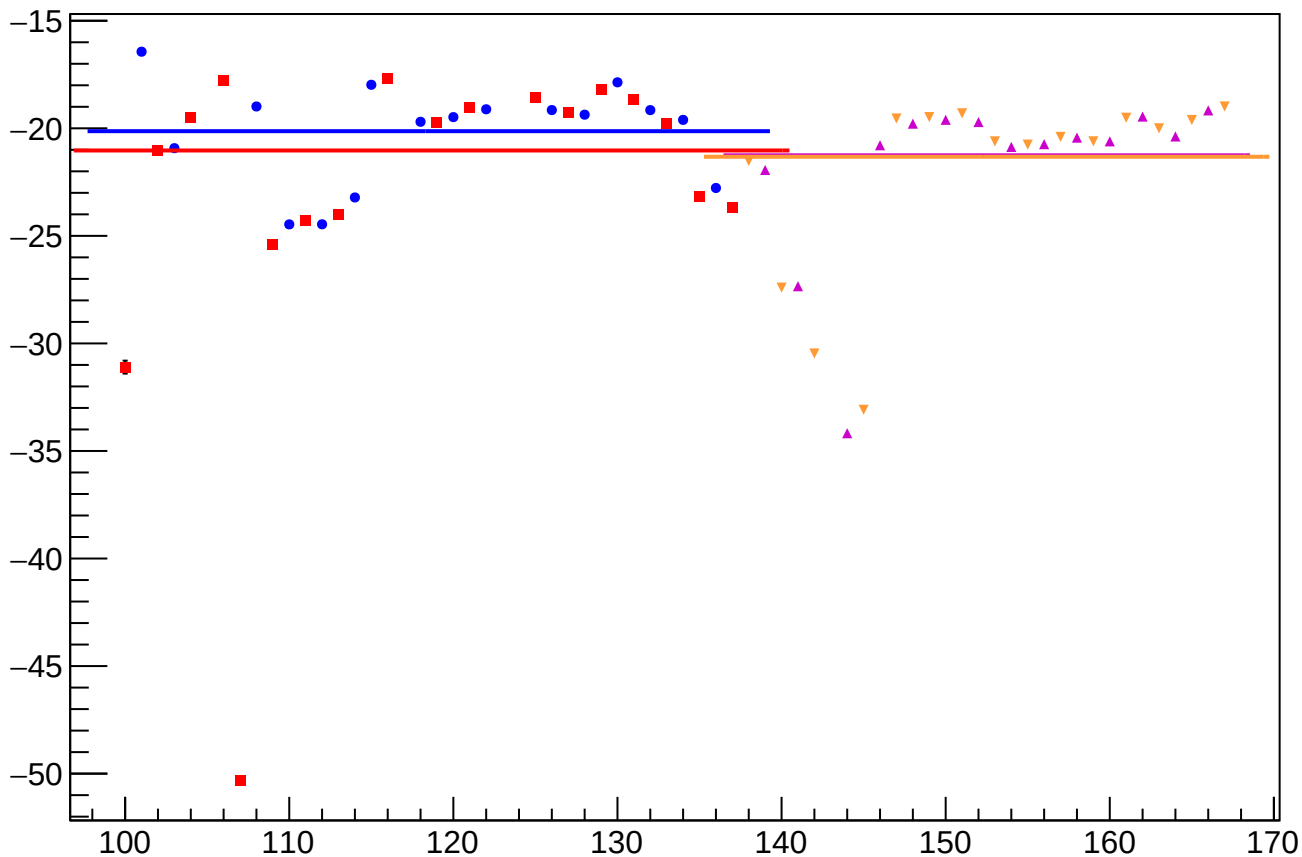
Left In: 9.536 ± 0.226 χ^2/NDF : 215.6/13

+ sign 6.648 ± 0.167 χ^2/NDF : 883.0/30

All: 6.629 ± 0.119 χ^2/NDF : 1829.0/62

- sign 6.610 ± 0.170 χ^2/NDF : 946.0/31

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133 ± 0.016 χ^2/NDF : 19831.2/15

Left Out: -21.322 ± 0.010 χ^2/NDF : 117415.9/14

Right Out: -21.031 ± 0.016 χ^2/NDF : 57523.6/17

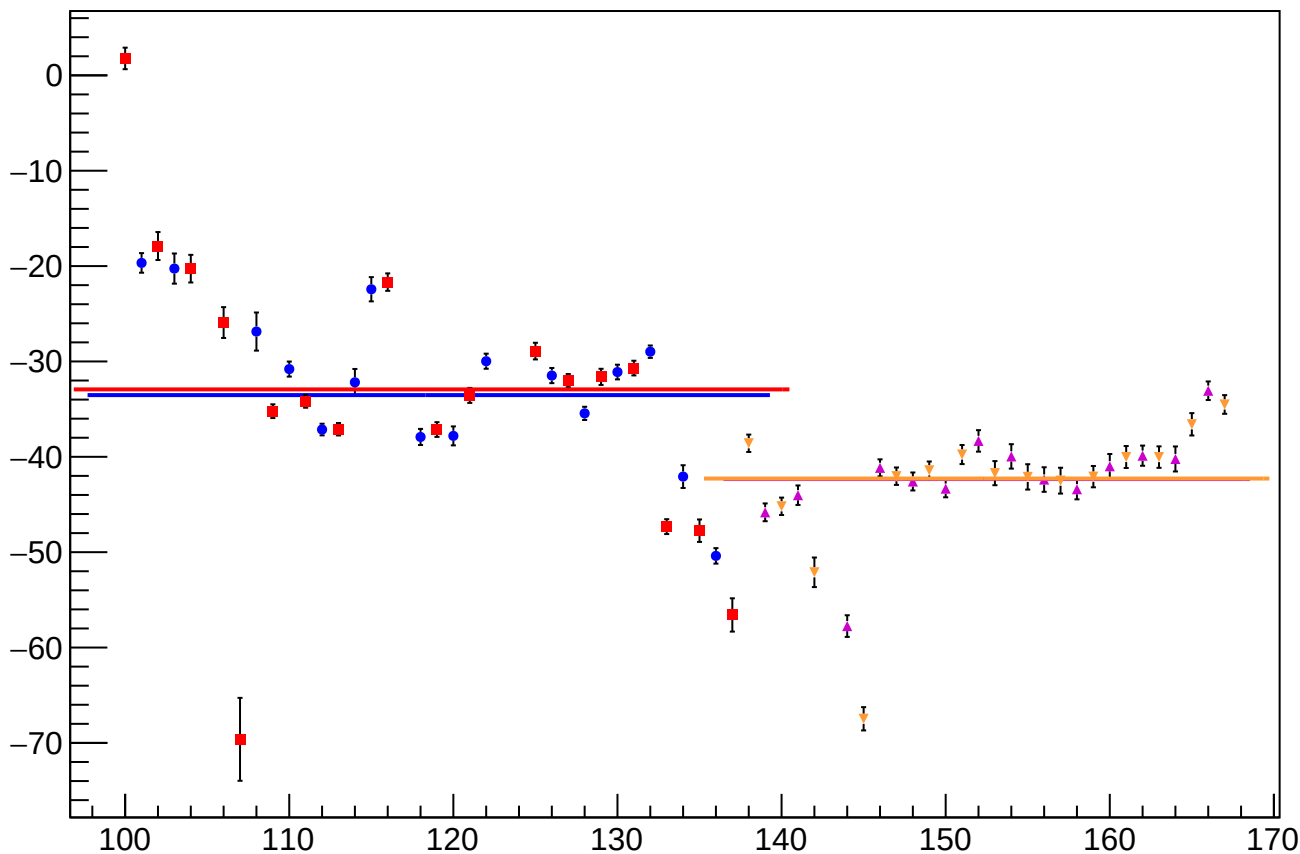
Left In: -21.255 ± 0.010 χ^2/NDF : 93558.0/13

+ sign -20.971 ± 0.009 χ^2/NDF : 141132.8/30

All: -21.080 ± 0.006 χ^2/NDF : 292666.0/62

- sign -21.191 ± 0.009 χ^2/NDF : 151215.3/31

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528 ± 0.218 $\chi^2/\text{NDF}: 1008.7/15$

Left Out: -42.279 ± 0.280 $\chi^2/\text{NDF}: 595.1/14$

Right Out: -32.931 ± 0.212 $\chi^2/\text{NDF}: 2170.0/17$

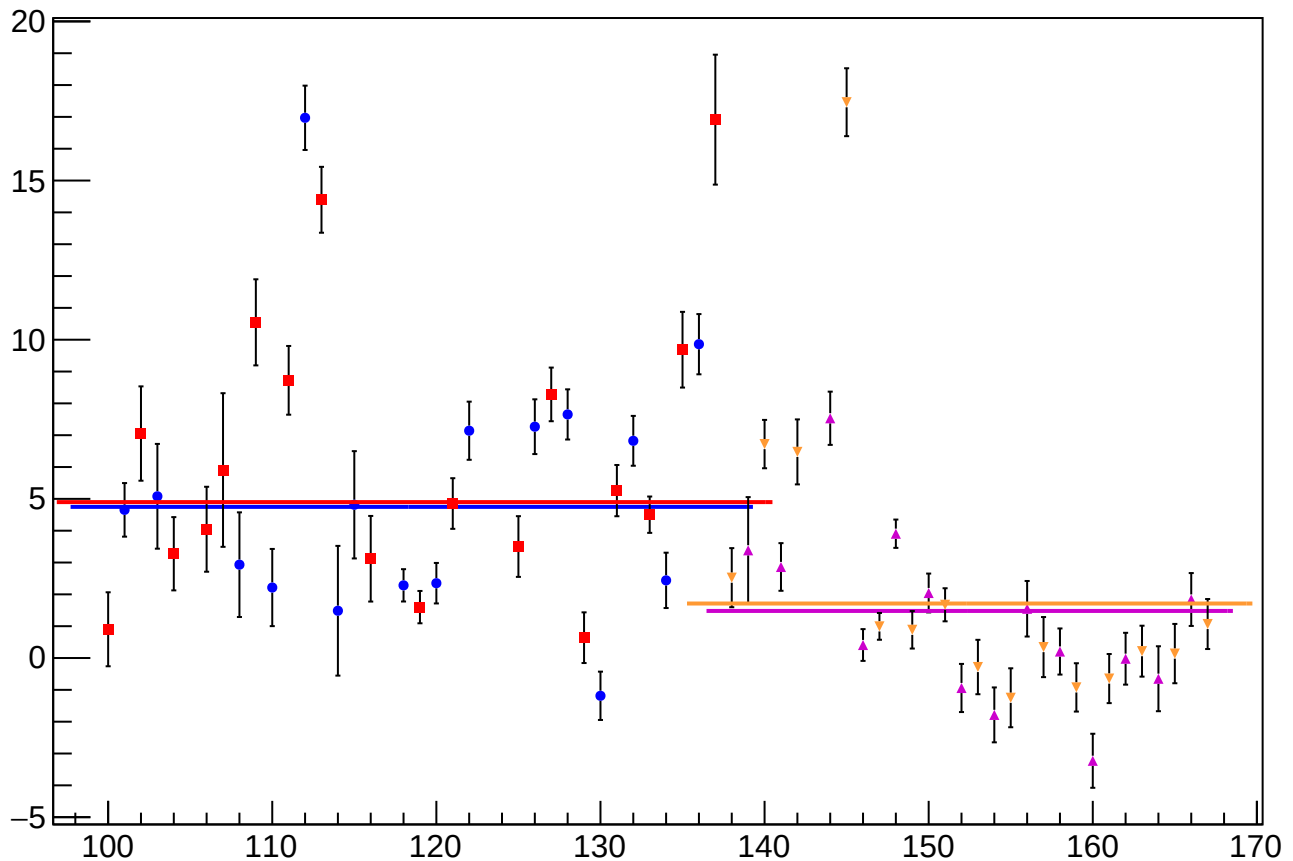
Left In: -42.330 ± 0.283 $\chi^2/\text{NDF}: 320.6/13$

+ sign -36.832 ± 0.172 $\chi^2/\text{NDF}: 2209.7/30$

All: -36.563 ± 0.121 $\chi^2/\text{NDF}: 5413.0/62$

- sign -36.303 ± 0.169 $\chi^2/\text{NDF}: 3198.5/31$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748 ± 0.220 χ^2/NDF : 325.7/15

Left Out: 1.712 ± 0.188 χ^2/NDF : 335.1/14

Right Out: 4.898 ± 0.220 χ^2/NDF : 273.1/17

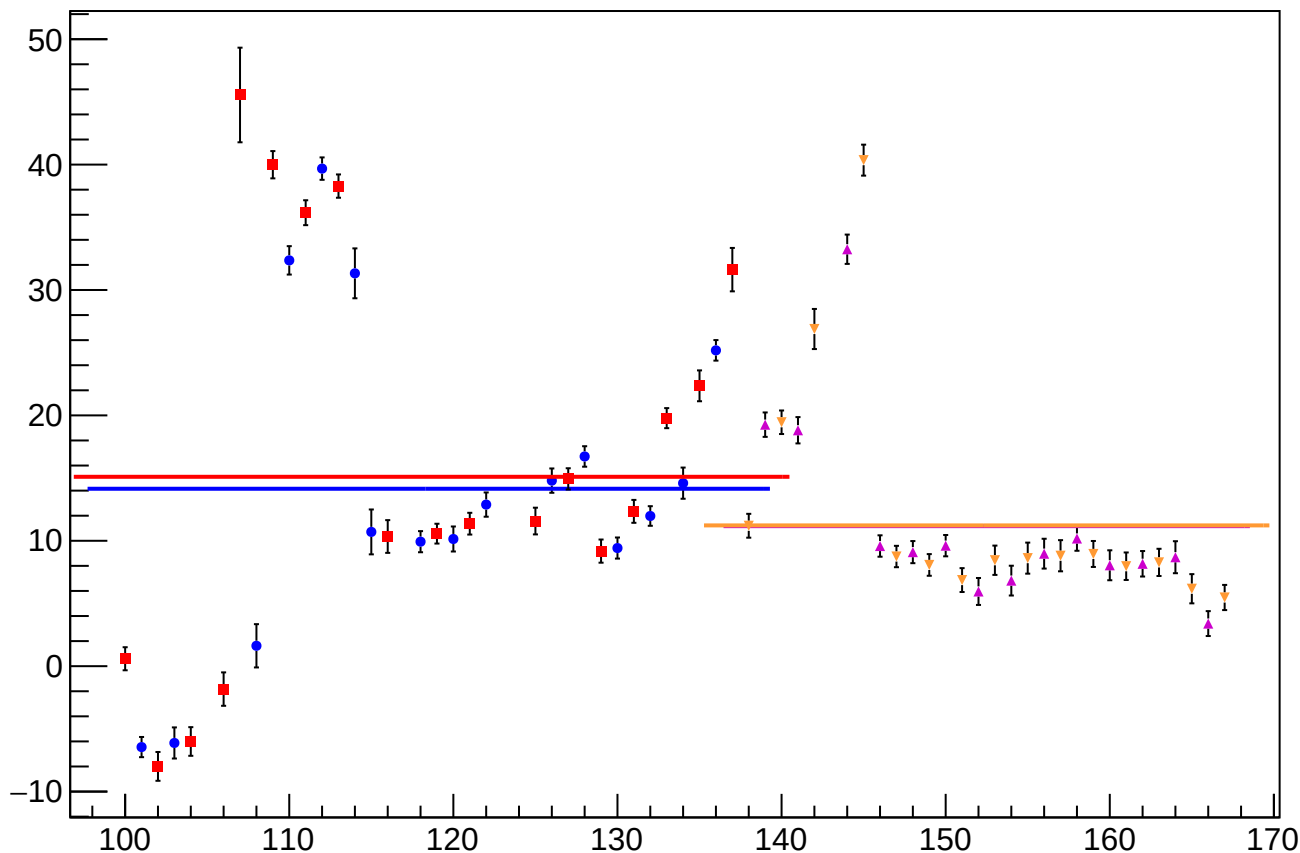
Left In: 1.479 ± 0.193 χ^2/NDF : 158.7/13

+ sign 2.993 ± 0.143 χ^2/NDF : 771.2/30

All: 2.979 ± 0.102 χ^2/NDF : 1339.8/62

- sign 2.964 ± 0.145 χ^2/NDF : 568.5/31

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149 $\pm$ 0.247 χ^2 /NDF: 2402.4/15

Left Out: 11.227 $\pm$ 0.272 χ^2 /NDF: 858.4/14

Right Out: 15.103 $\pm$ 0.242 χ^2 /NDF: 3102.3/17

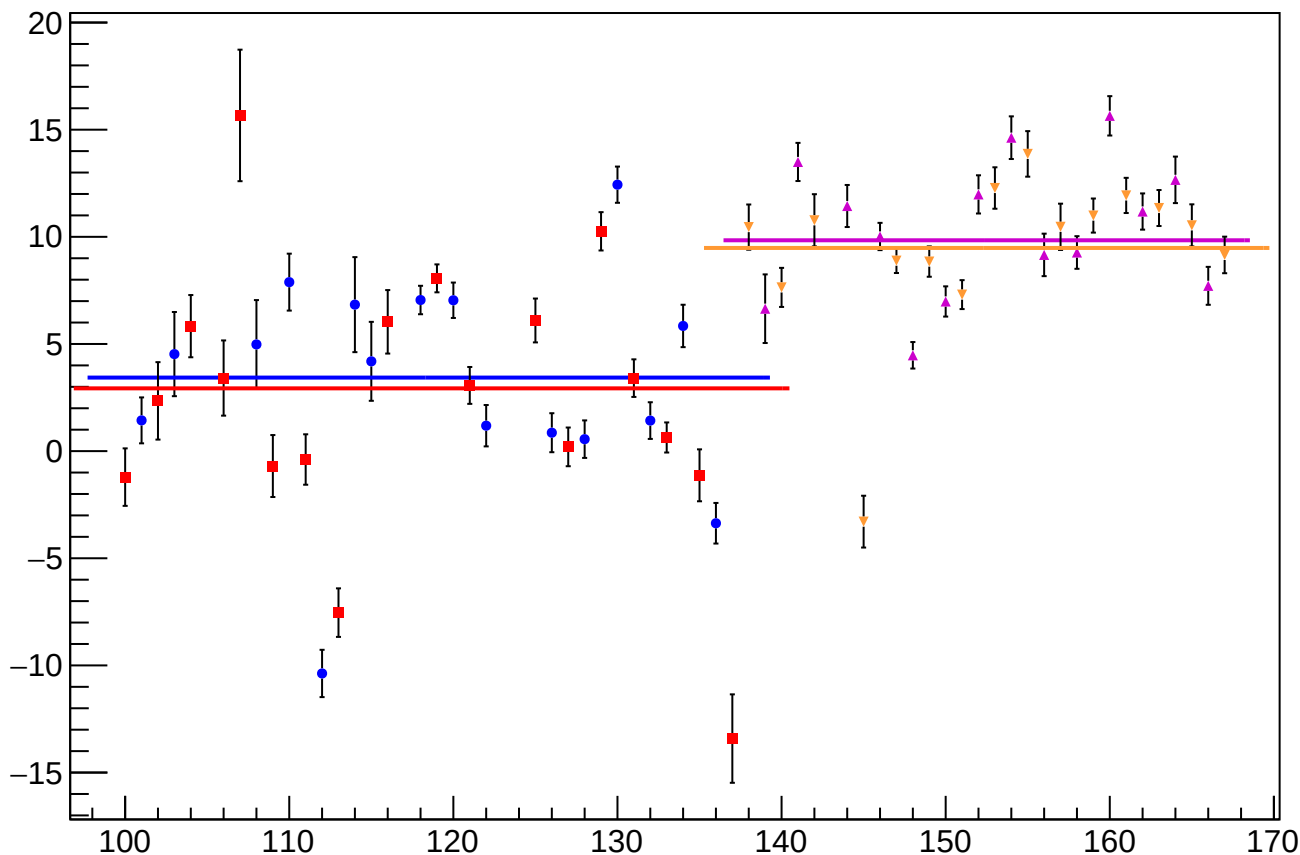
Left In: 11.167 $\pm$ 0.274 χ^2 /NDF: 613.3/13

+ sign 12.829 $\pm$ 0.183 χ^2 /NDF: 3323.9/30

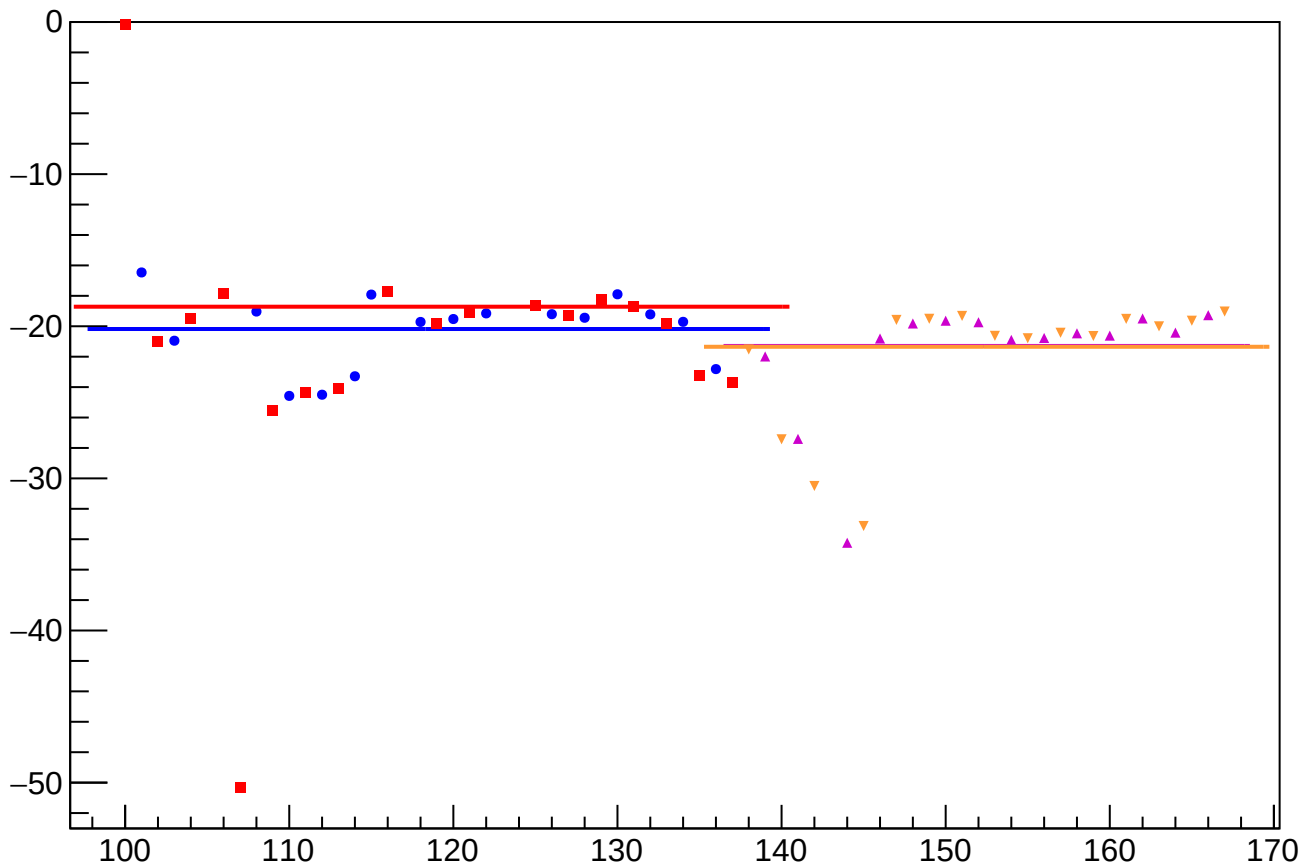
All: 13.105 $\pm$ 0.129 χ^2 /NDF: 7160.1/62

- sign 13.375 $\pm$ 0.181 χ^2 /NDF: 3831.8/31

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180 ± 0.016 χ^2/NDF : 19856.9/15

Left Out: -21.348 ± 0.010 χ^2/NDF : 117151.4/14

Right Out: -18.714 ± 0.016 χ^2/NDF : 234667.0/17

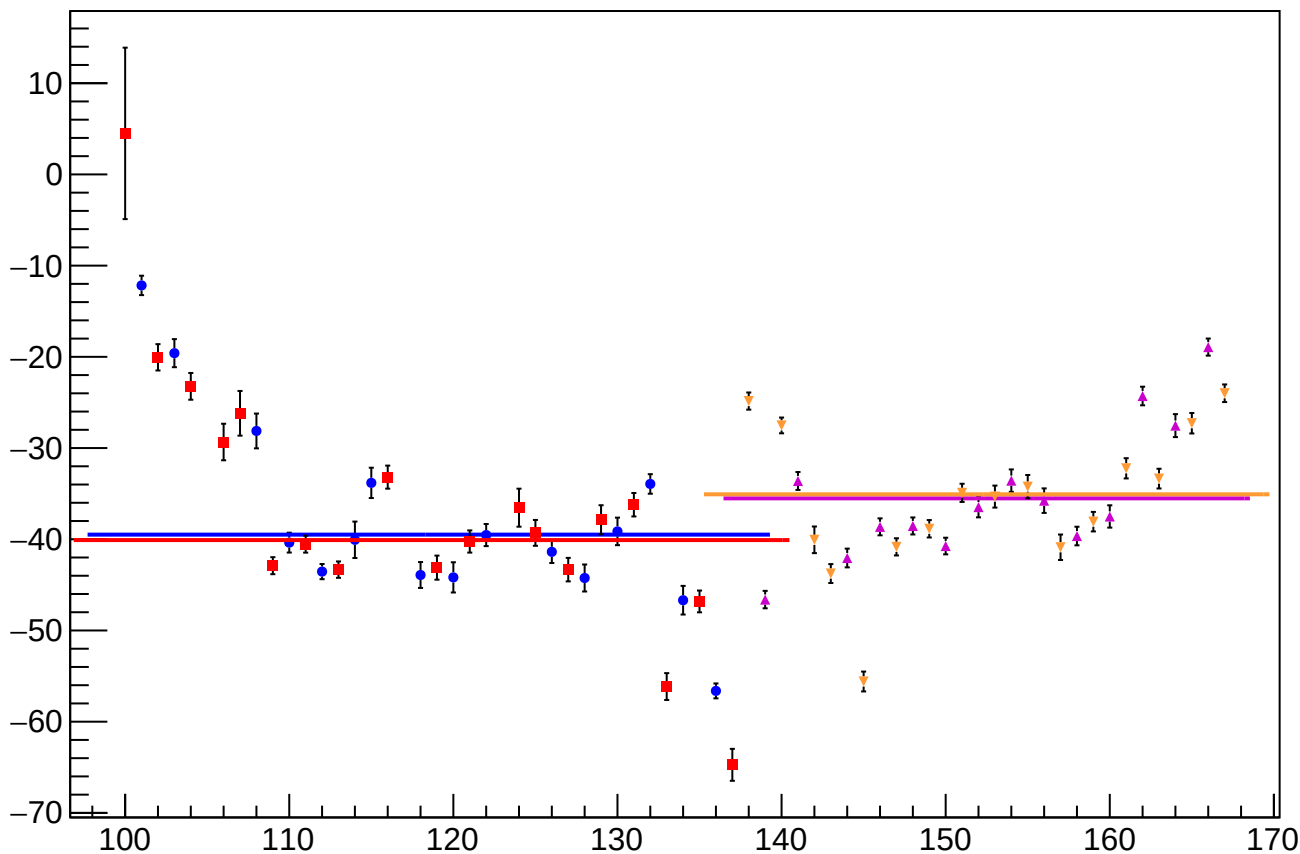
Left In: -21.294 ± 0.010 χ^2/NDF : 93520.5/13

+ sign -21.004 ± 0.009 χ^2/NDF : 140740.9/30

All: -20.749 ± 0.006 χ^2/NDF : 489625.5/62

- sign -20.499 ± 0.009 χ^2/NDF : 347192.2/31

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493 ± 0.311 $\chi^2/\text{NDF}: 1417.1/15$

Left Out: -35.071 ± 0.266 $\chi^2/\text{NDF}: 899.0/15$

Right Out: -40.090 ± 0.307 $\chi^2/\text{NDF}: 834.9/18$

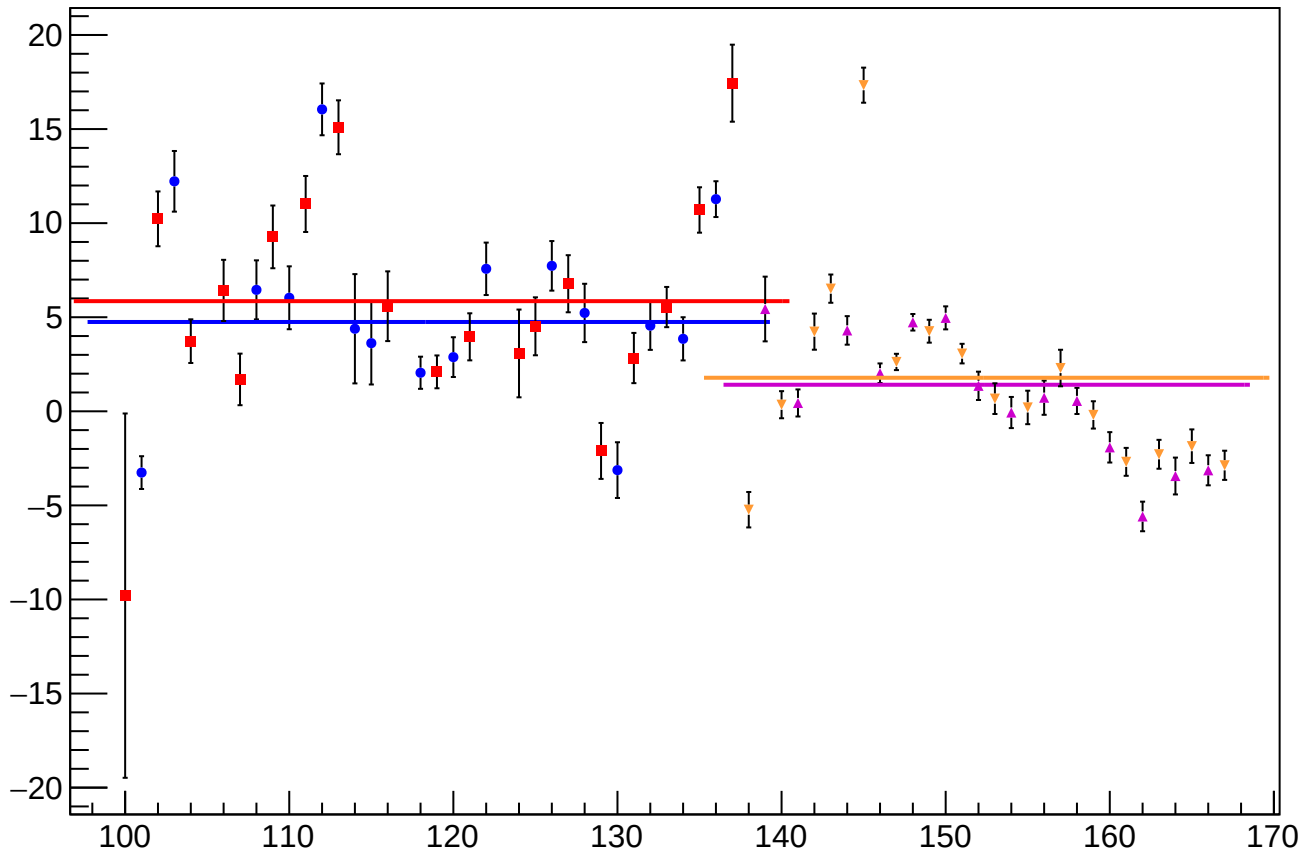
Left In: -35.515 ± 0.278 $\chi^2/\text{NDF}: 730.3/13$

+ sign -36.940 ± 0.202 $\chi^2/\text{NDF}: 2433.0/31$

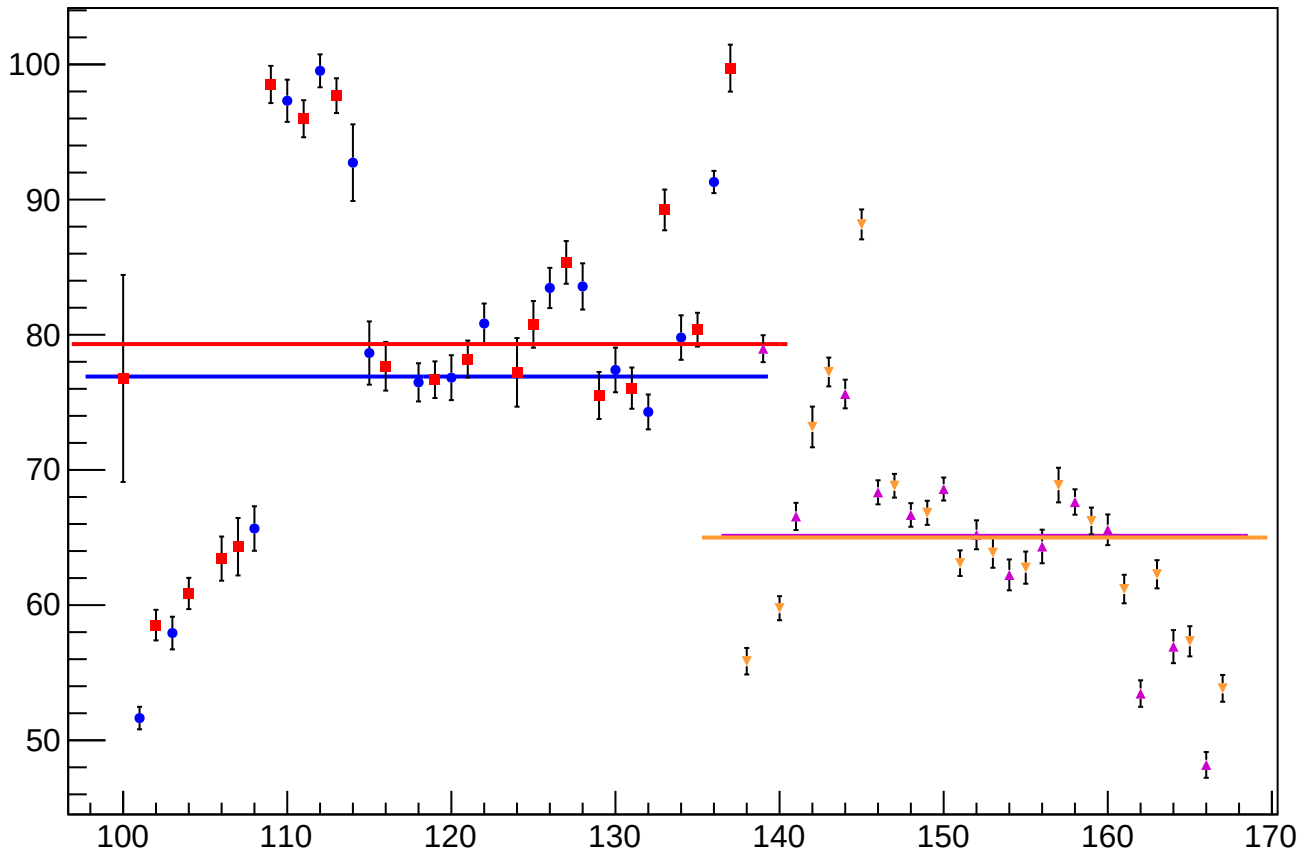
All: -37.251 ± 0.144 $\chi^2/\text{NDF}: 4125.1/64$

- sign -37.574 ± 0.206 $\chi^2/\text{NDF}: 1687.2/32$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909 $\pm$ 0.337 χ^2 /NDF: 2116.0/15

Left Out: 65.000 $\pm$ 0.259 χ^2 /NDF: 956.5/15

Right Out: 79.311 $\pm$ 0.348 χ^2 /NDF: 1496.4/18

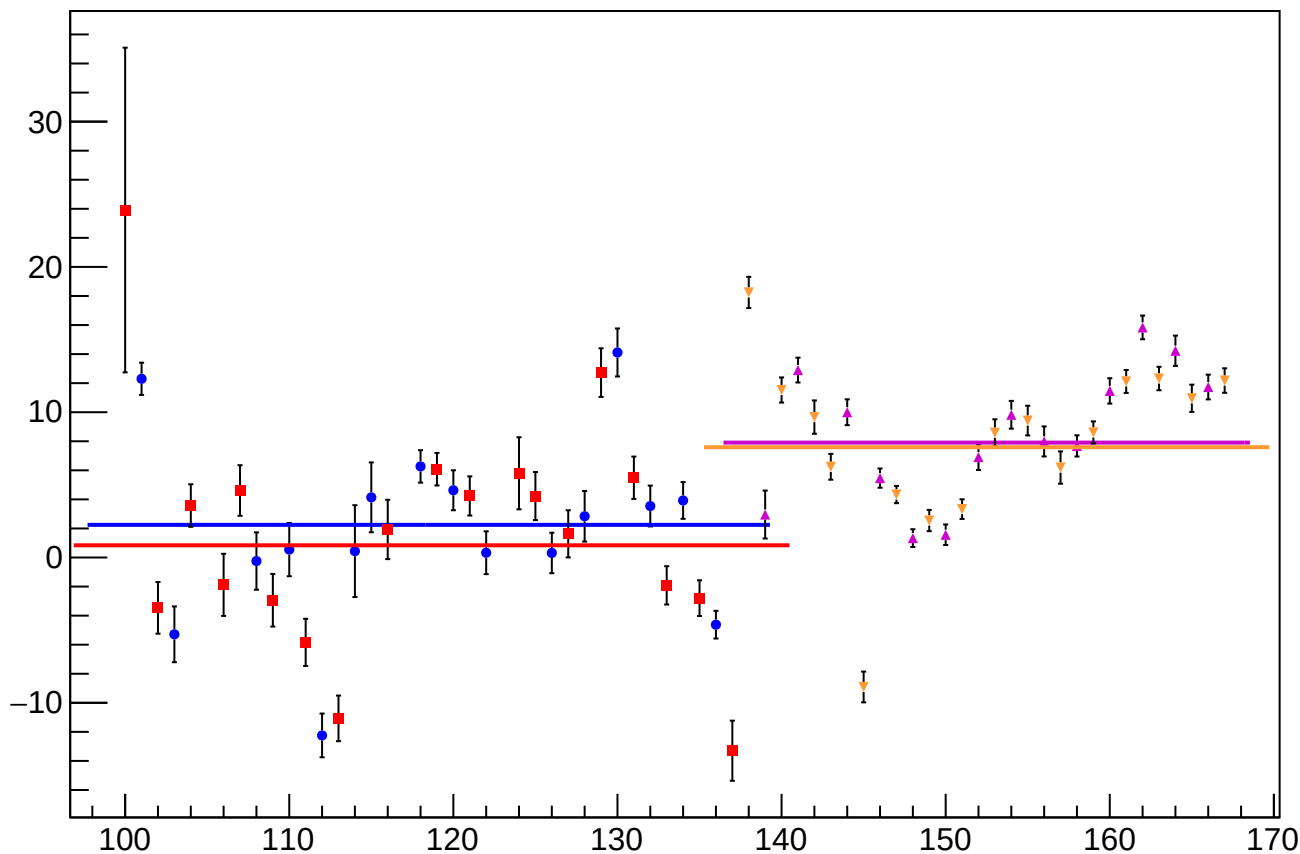
Left In: 65.124 $\pm$ 0.269 χ^2 /NDF: 841.3/13

+ sign 69.429 $\pm$ 0.205 χ^2 /NDF: 3857.6/31

All: 69.912 $\pm$ 0.148 χ^2 /NDF: 7248.0/64

- sign 70.429 $\pm$ 0.213 χ^2 /NDF: 3379.0/32

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248 ± 0.363 χ^2/NDF : 319.6/15

Left Out: 7.591 ± 0.211 χ^2/NDF : 602.1/15

Right Out: 0.840 ± 0.372 χ^2/NDF : 256.2/18

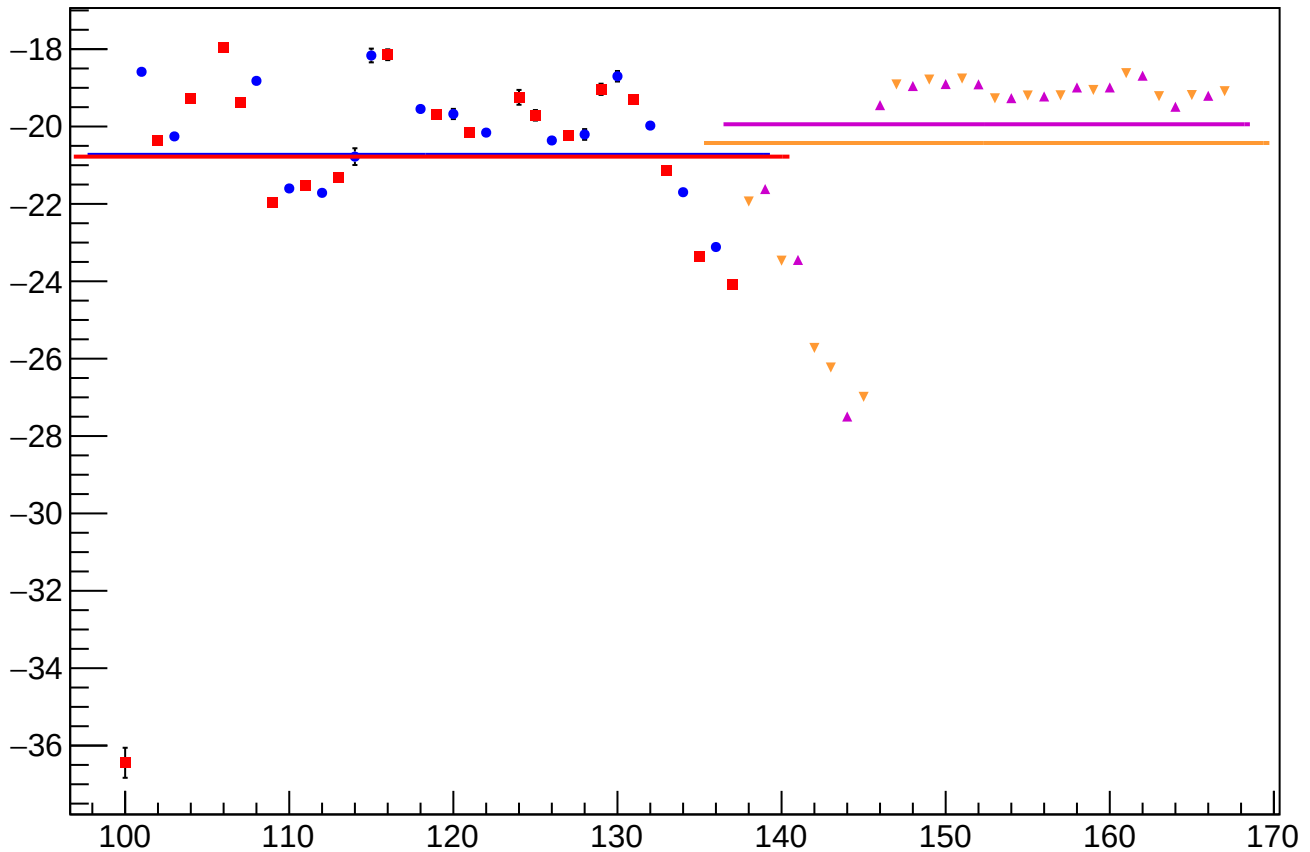
Left In: 7.908 ± 0.222 χ^2/NDF : 431.4/13

+ sign 6.238 ± 0.183 χ^2/NDF : 1083.4/31

All: 6.148 ± 0.132 χ^2/NDF : 2037.5/64

- sign 6.049 ± 0.191 χ^2/NDF : 953.5/32

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732 ± 0.019 $\chi^2/\text{NDF}: 7634.1/15$

Left Out: -20.426 ± 0.010 $\chi^2/\text{NDF}: 69662.2/15$

Right Out: -20.778 ± 0.020 $\chi^2/\text{NDF}: 9426.6/18$

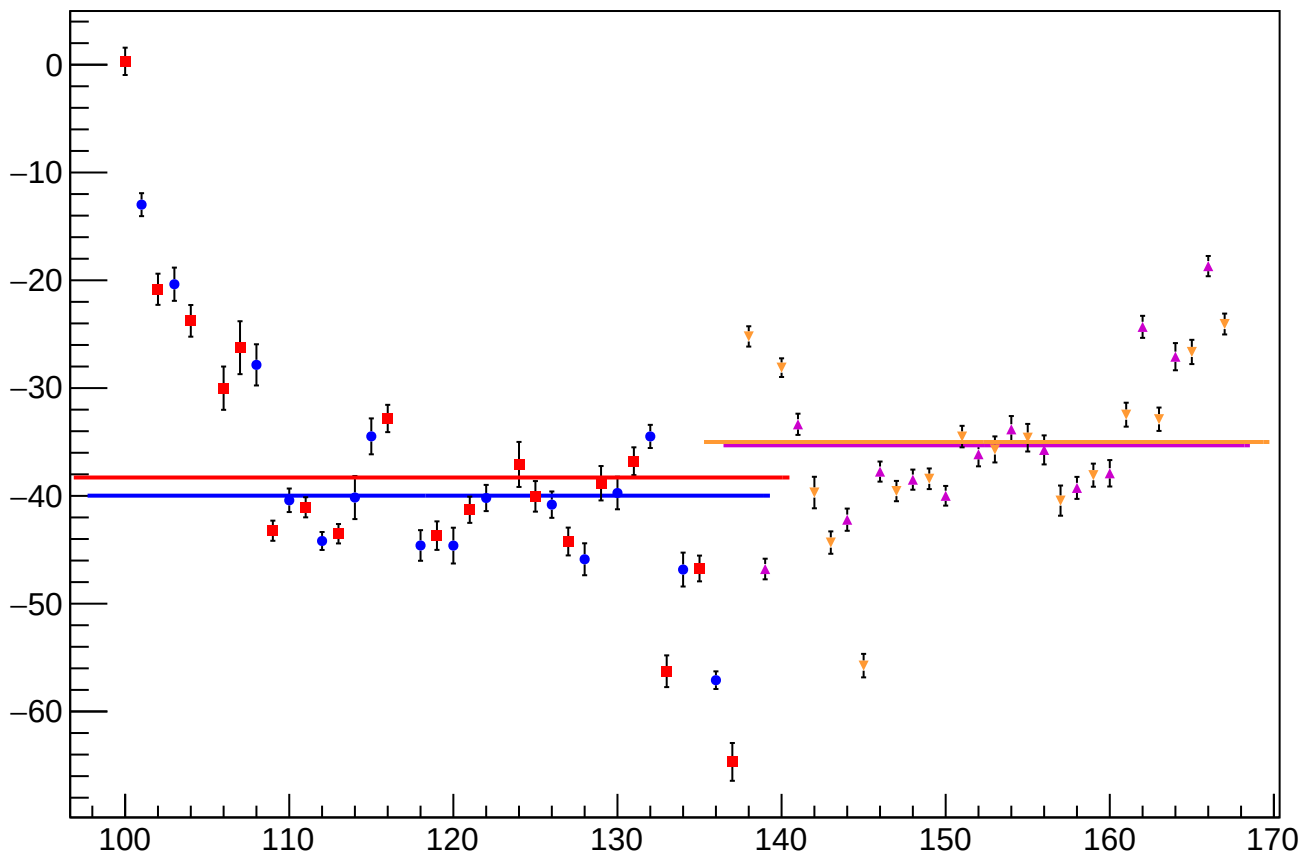
Left In: -19.942 ± 0.010 $\chi^2/\text{NDF}: 41079.7/13$

+ sign -20.489 ± 0.009 $\chi^2/\text{NDF}: 77494.0/31$

All: -20.307 ± 0.006 $\chi^2/\text{NDF}: 130245.5/64$

- sign -20.113 ± 0.009 $\chi^2/\text{NDF}: 51872.3/32$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979 ± 0.311 $\chi^2/\text{NDF}: 1398.4/15$

Left Out: -35.001 ± 0.266 $\chi^2/\text{NDF}: 876.5/15$

Right Out: -38.295 ± 0.299 $\chi^2/\text{NDF}: 1773.8/18$

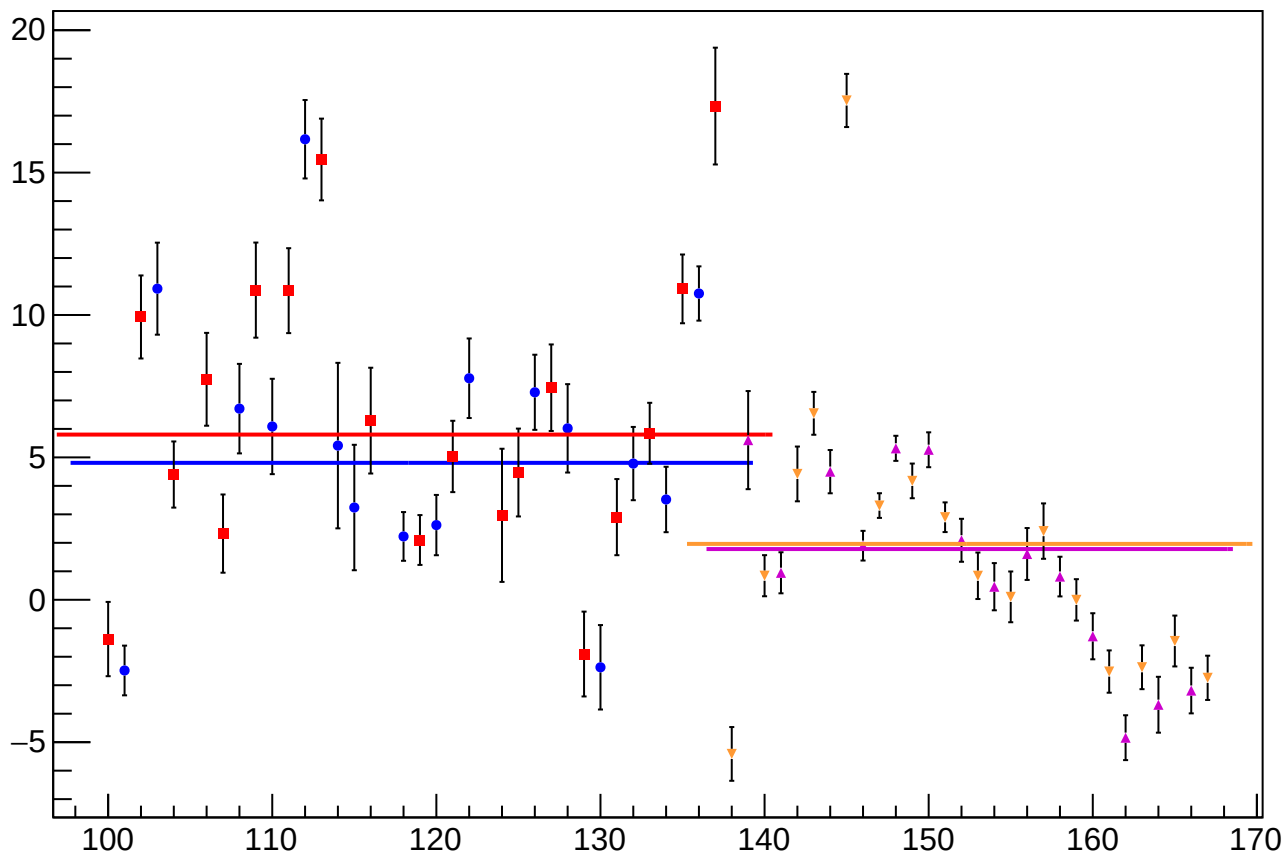
Left In: -35.309 ± 0.278 $\chi^2/\text{NDF}: 730.1/13$

+ sign -37.105 ± 0.202 $\chi^2/\text{NDF}: 2422.7/31$

All: -36.902 ± 0.144 $\chi^2/\text{NDF}: 4982.0/64$

- sign -36.695 ± 0.204 $\chi^2/\text{NDF}: 2557.2/32$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808 ± 0.316 $\chi^2/\text{NDF}: 240.5/15$

Left Out: 1.962 ± 0.180 $\chi^2/\text{NDF}: 544.5/15$

Right Out: 5.801 ± 0.315 $\chi^2/\text{NDF}: 216.4/18$

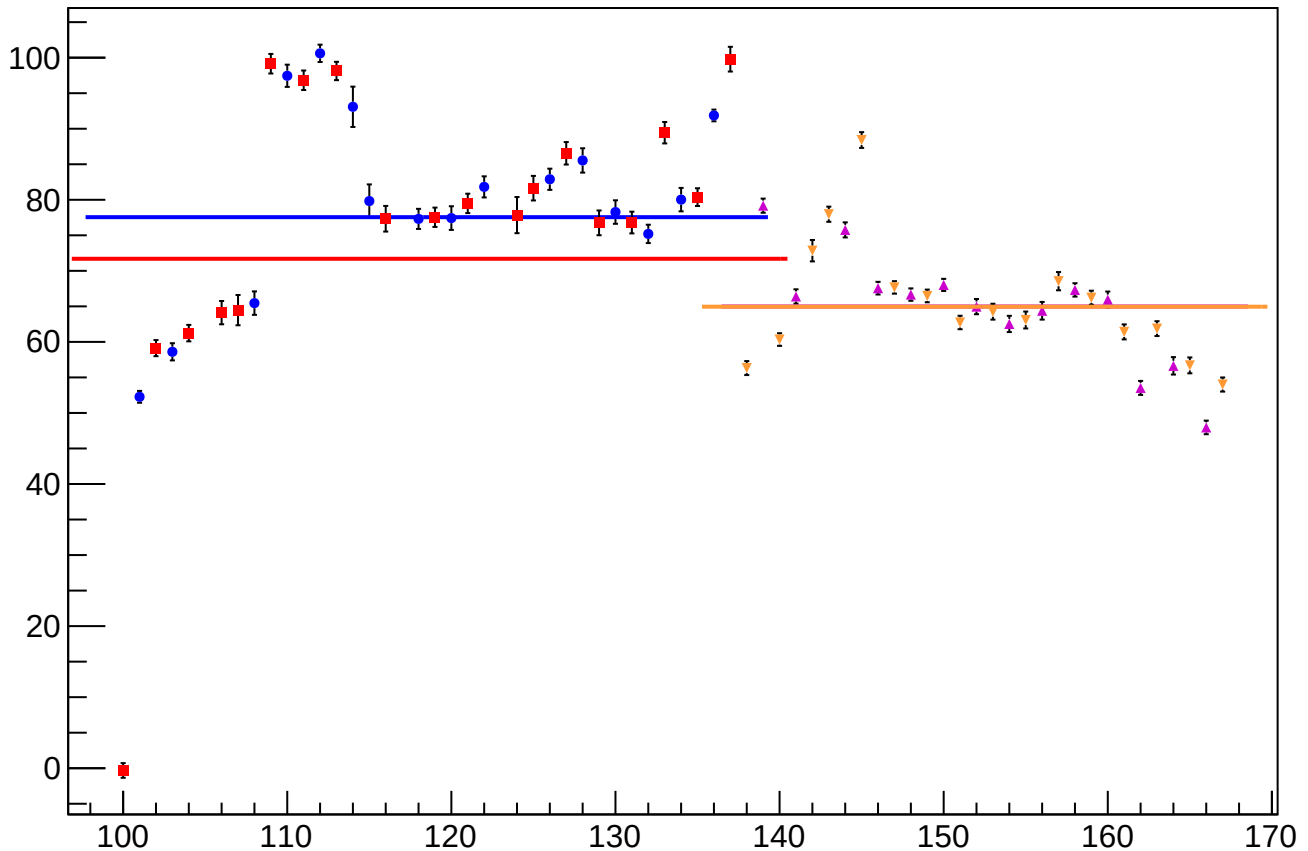
Left In: 1.781 ± 0.190 $\chi^2/\text{NDF}: 275.3/13$

+ sign 2.658 ± 0.156 $\chi^2/\text{NDF}: 846.1/31$

All: 2.752 ± 0.113 $\chi^2/\text{NDF}: 1458.1/64$

- sign 2.853 ± 0.163 $\chi^2/\text{NDF}: 611.2/32$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554 $\pm$ 0.337 χ^2 /NDF: 2118.3/15

Left Out: 64.953 $\pm$ 0.260 χ^2 /NDF: 953.4/15

Right Out: 71.699 $\pm$ 0.330 χ^2 /NDF: 6903.5/18

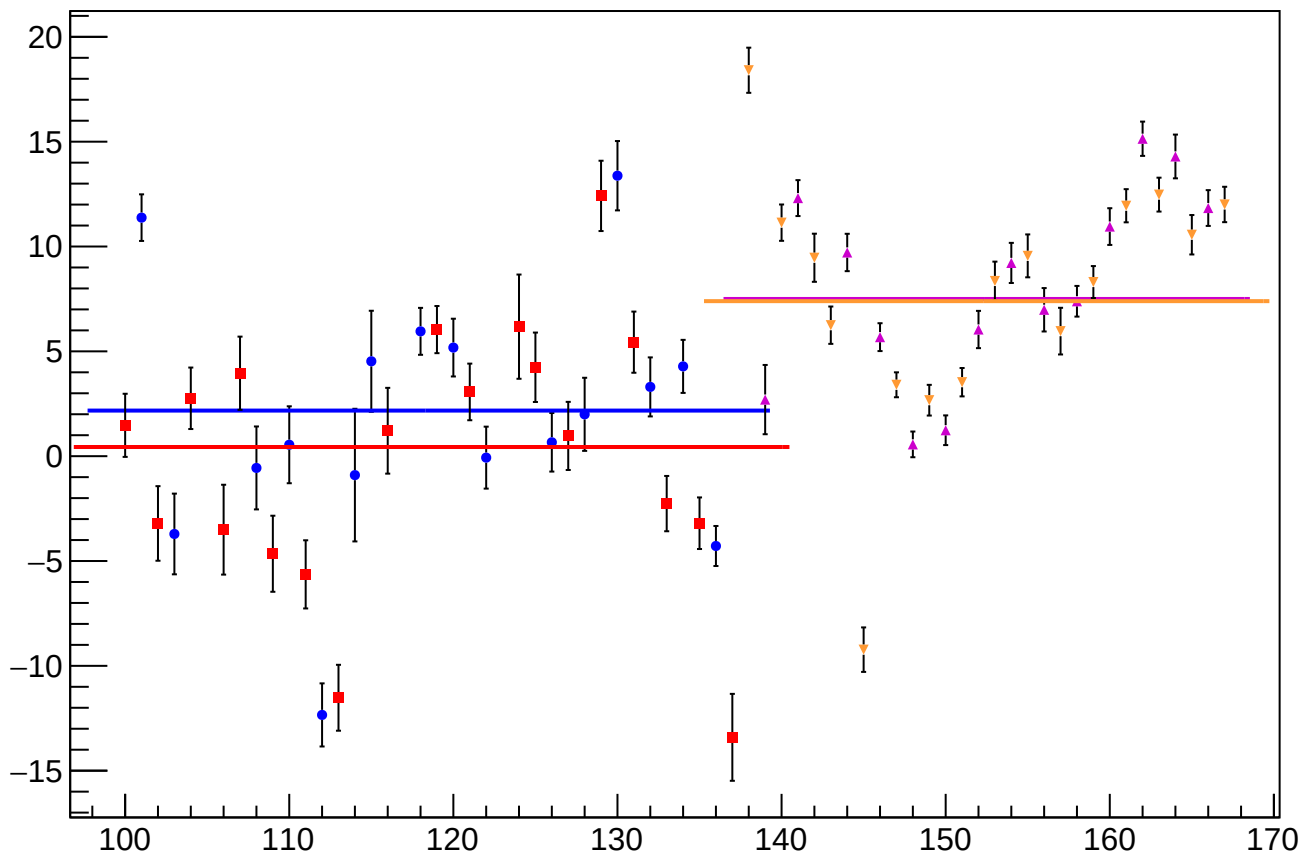
Left In: 64.981 $\pm$ 0.269 χ^2 /NDF: 842.1/13

+ sign 69.640 $\pm$ 0.206 χ^2 /NDF: 3947.8/31

All: 68.666 $\pm$ 0.147 χ^2 /NDF: 11987.2/64

- sign 67.662 $\pm$ 0.209 χ^2 /NDF: 7993.9/32

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175 ± 0.364 $\chi^2/\text{NDF}: 290.3/15$

Left Out: 7.394 ± 0.212 $\chi^2/\text{NDF}: 615.4/15$

Right Out: 0.438 ± 0.362 $\chi^2/\text{NDF}: 254.1/18$

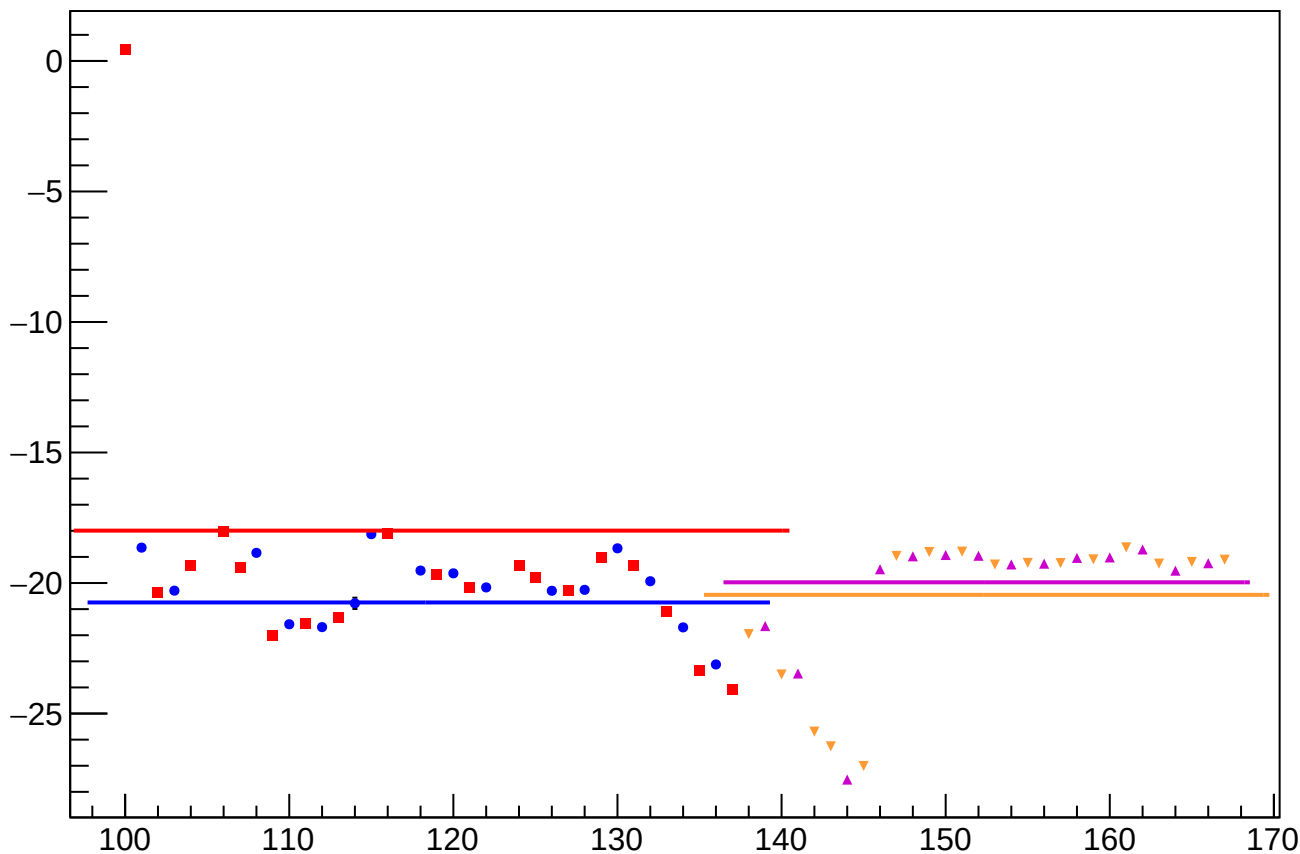
Left In: 7.498 ± 0.223 $\chi^2/\text{NDF}: 437.3/13$

+ sign 6.073 ± 0.183 $\chi^2/\text{NDF}: 1059.6/31$

All: 5.825 ± 0.132 $\chi^2/\text{NDF}: 2030.9/64$

- sign 5.559 ± 0.190 $\chi^2/\text{NDF}: 967.5/32$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745 ± 0.019 χ^2/NDF : 7513.6/15

Left Out: -20.453 ± 0.010 χ^2/NDF : 69236.5/15

Right Out: -17.993 ± 0.019 χ^2/NDF : 150579.1/18

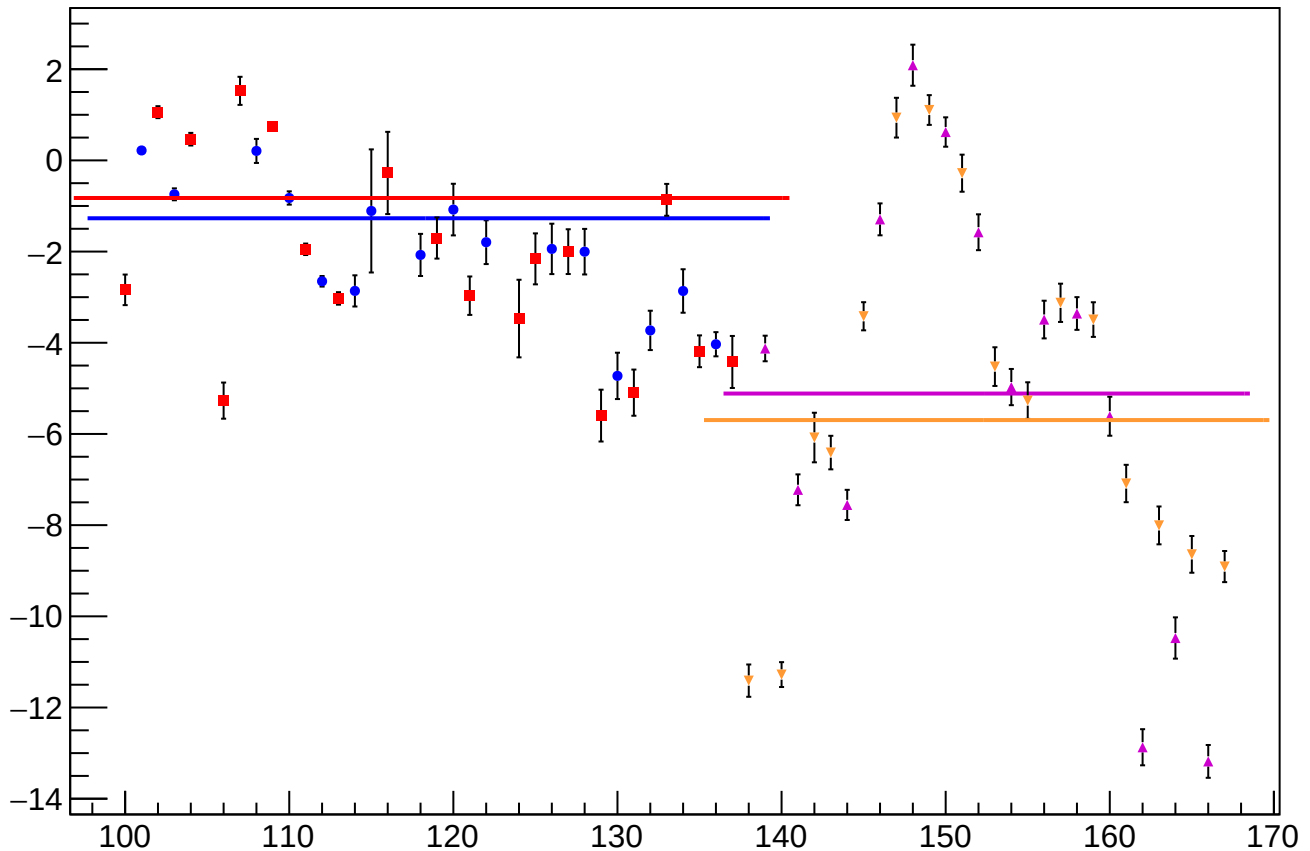
Left In: -19.973 ± 0.010 χ^2/NDF : 40897.7/13

+ sign -20.513 ± 0.009 χ^2/NDF : 76928.6/31

All: -20.026 ± 0.006 χ^2/NDF : 283060.4/64

- sign -19.522 ± 0.009 χ^2/NDF : 199974.4/32

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270 ± 0.055 χ^2/NDF : 616.5/15

Left Out: -5.696 ± 0.094 χ^2/NDF : 1845.0/15

Right Out: -0.825 ± 0.051 χ^2/NDF : 1384.3/18

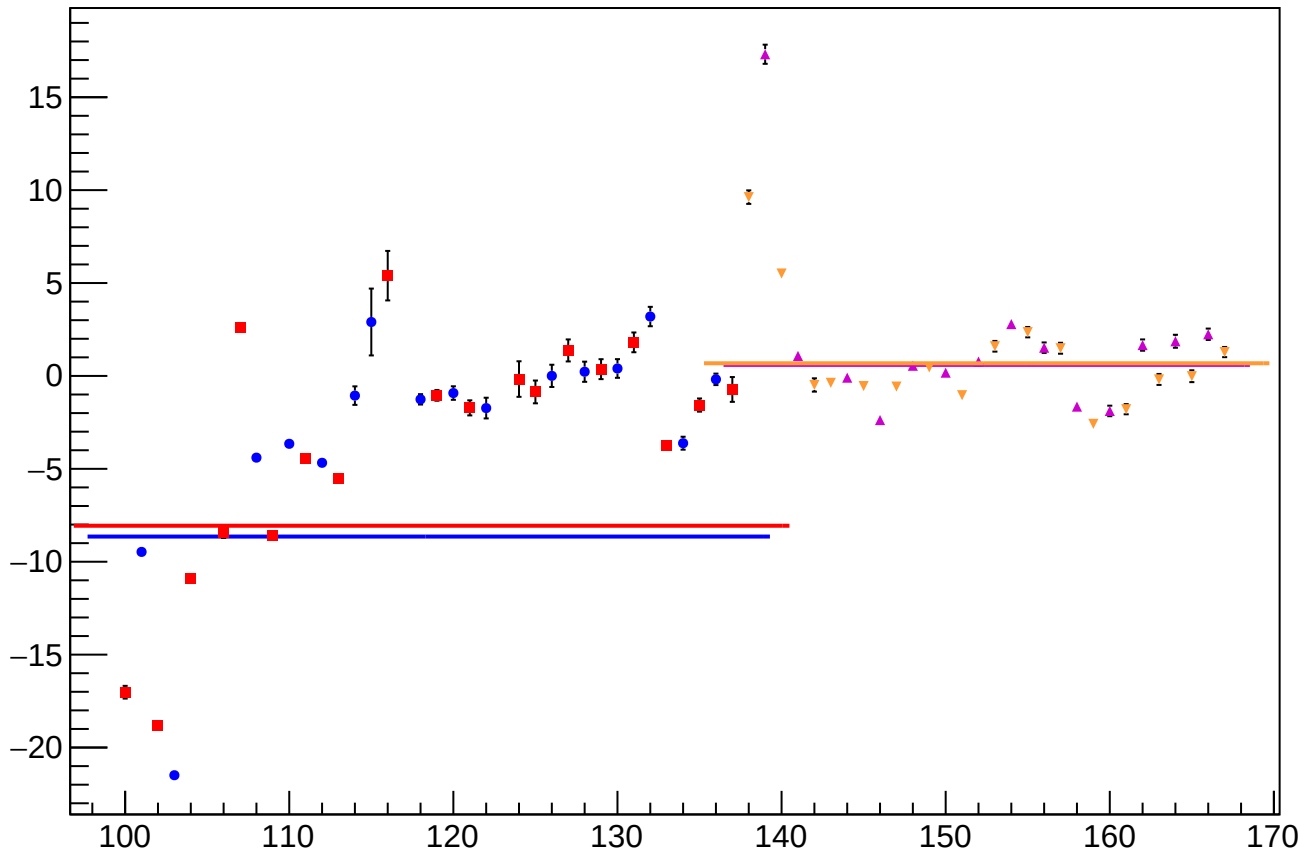
Left In: -5.114 ± 0.098 χ^2/NDF : 1945.7/13

+ sign -2.392 ± 0.047 χ^2/NDF : 4131.9/31

All: -2.053 ± 0.033 χ^2/NDF : 9068.6/64

- sign -1.740 ± 0.045 χ^2/NDF : 4837.3/32

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645 ± 0.057 χ^2/NDF : 13827.6/15

Left Out: 0.681 ± 0.066 χ^2/NDF : 1504.4/15

Right Out: -8.063 ± 0.058 χ^2/NDF : 14427.9/18

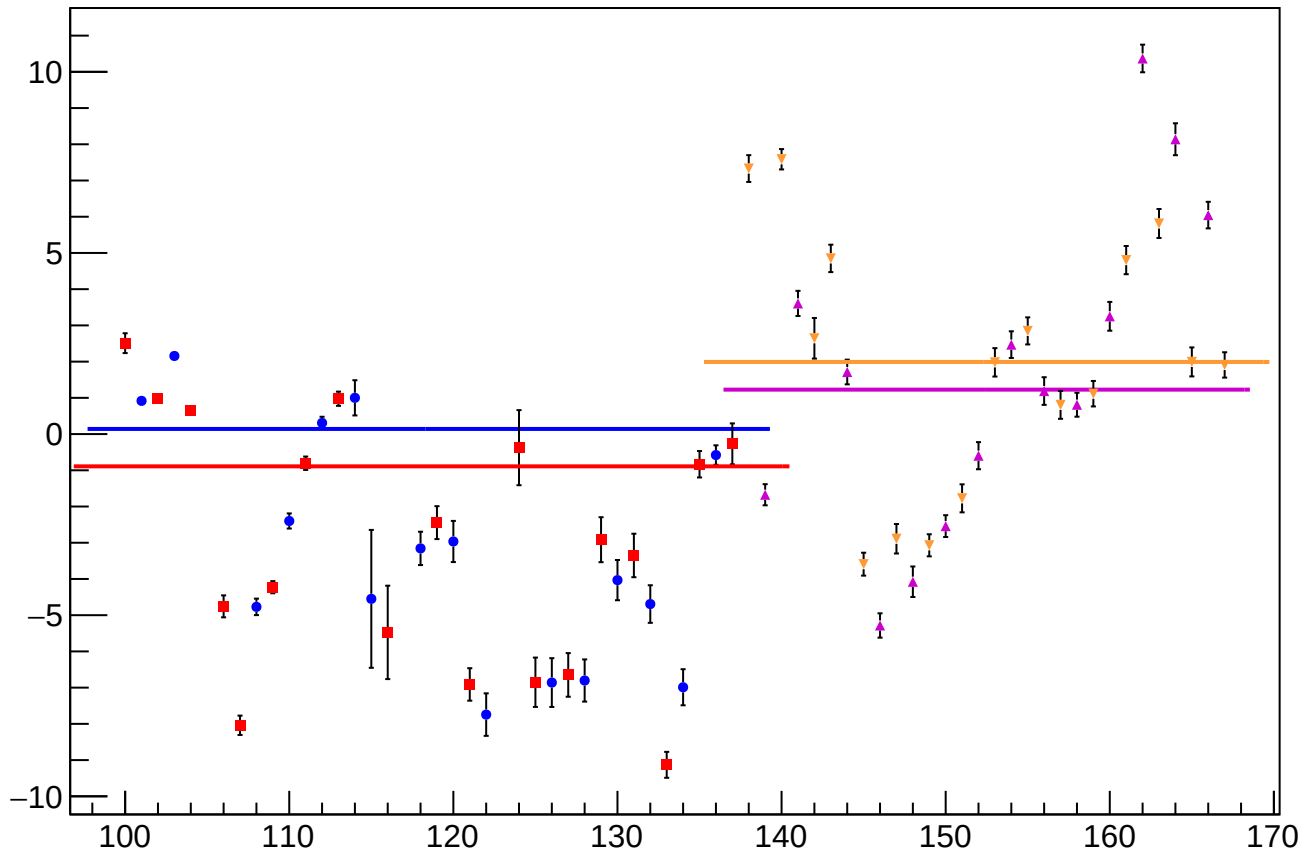
Left In: 0.594 ± 0.071 χ^2/NDF : 1556.8/13

+ sign -4.674 ± 0.043 χ^2/NDF : 26755.6/31

All: -4.644 ± 0.031 χ^2/NDF : 51777.4/64

- sign -4.611 ± 0.045 χ^2/NDF : 25020.7/32

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141 ± 0.053 χ^2/NDF : 1959.8/15

Left Out: 1.991 ± 0.092 χ^2/NDF : 1654.2/15

Right Out: -0.891 ± 0.054 χ^2/NDF : 2985.7/18

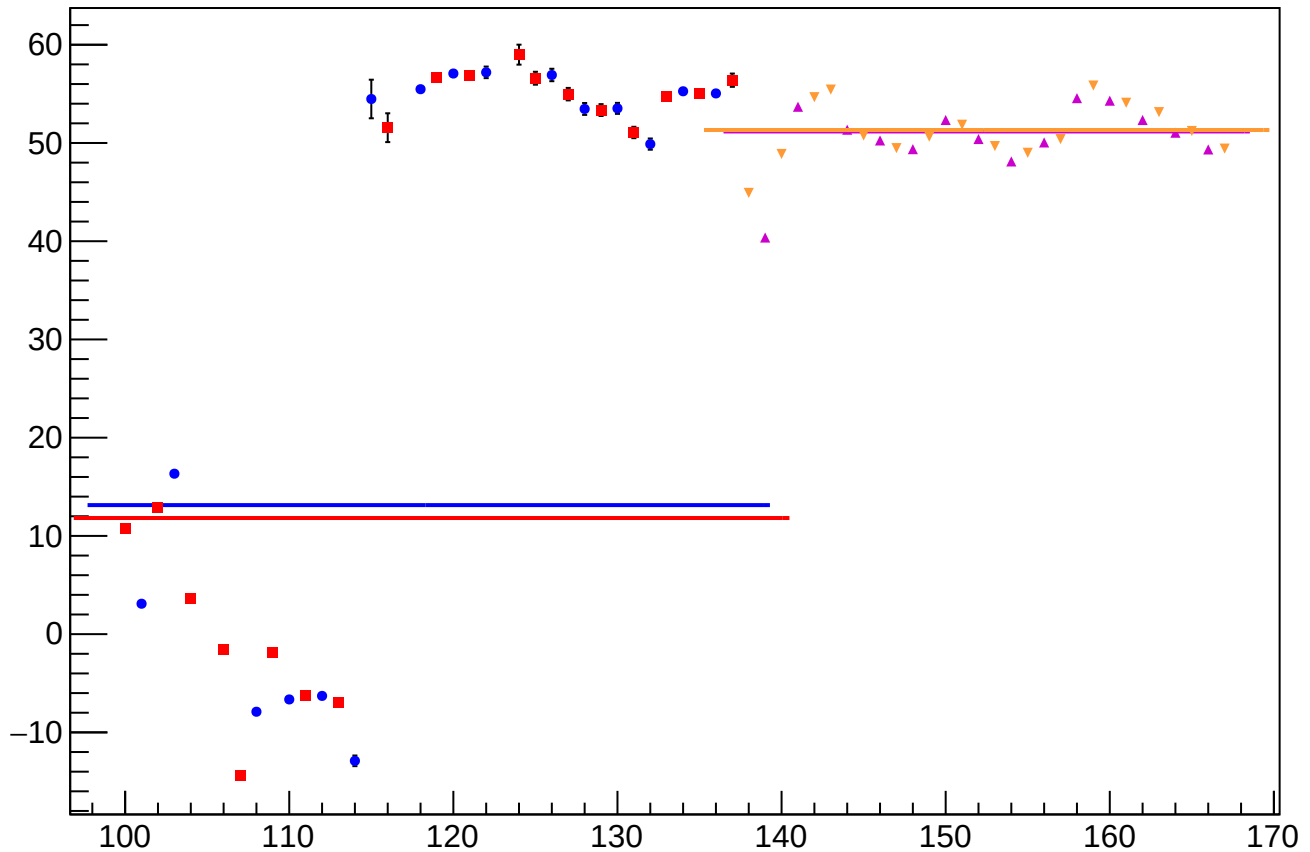
Left In: 1.227 ± 0.095 χ^2/NDF : 1895.0/13

+ sign 0.605 ± 0.046 χ^2/NDF : 3919.9/31

All: 0.122 ± 0.033 χ^2/NDF : 9403.5/64

- sign -0.381 ± 0.047 χ^2/NDF : 5256.7/32

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: 51.320 $\pm$ 0.077 χ^2 /NDF: 1139.9/15

Right Out: 11.822 $\pm$ 0.068 χ^2 /NDF: 118168.5/18

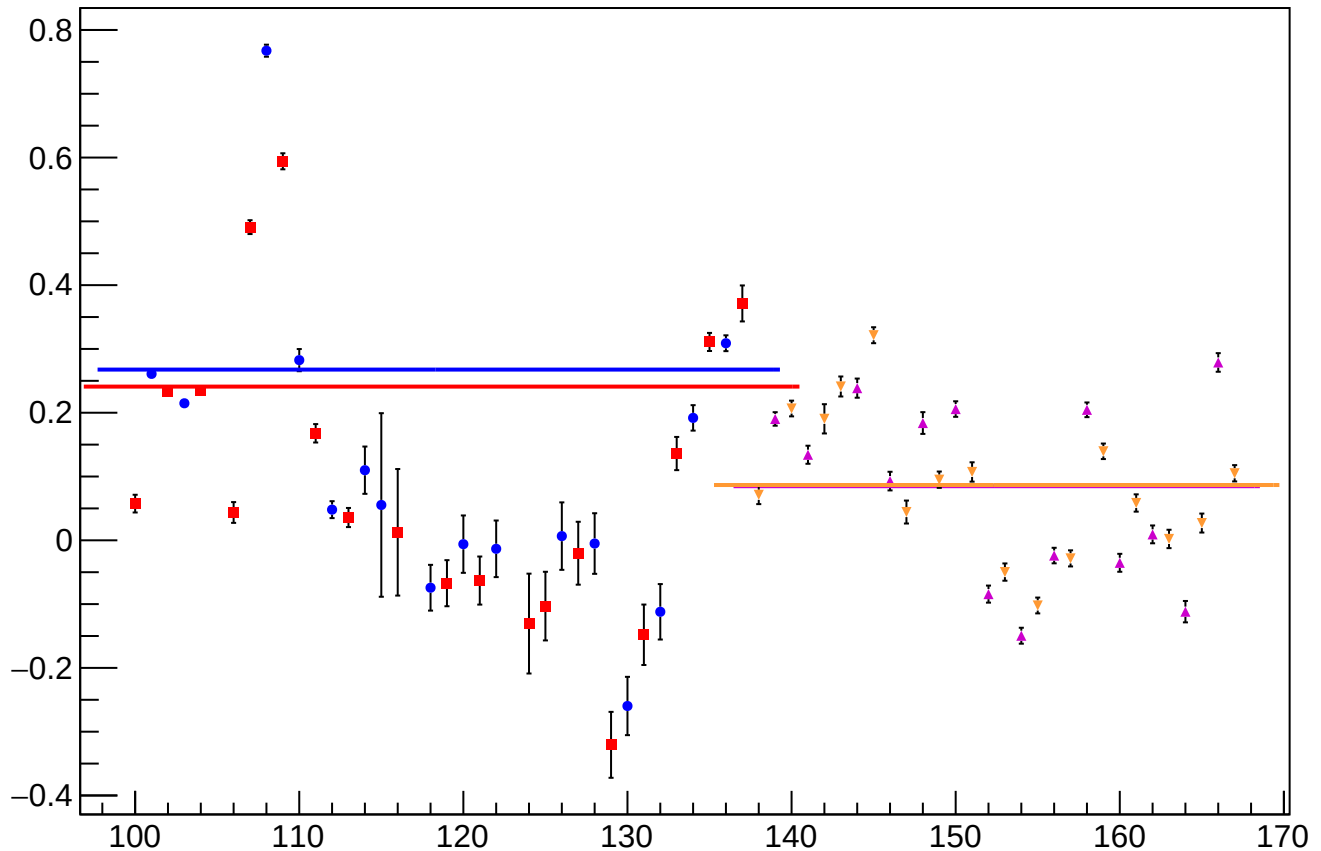
Left In: 51.171 $\pm$ 0.081 χ^2 /NDF: 1058.5/13

+ sign 29.974 $\pm$ 0.051 χ^2 /NDF: 248991.7/31

All: 29.027 $\pm$ 0.036 χ^2 /NDF: 507506.9/64

- sign 28.034 $\pm$ 0.052 χ^2 /NDF: 257803.3/32

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268 ± 0.003 χ^2/NDF : 3720.4/15

Left Out: 0.087 ± 0.003 χ^2/NDF : 1065.8/15

Right Out: 0.241 ± 0.003 χ^2/NDF : 2339.2/18

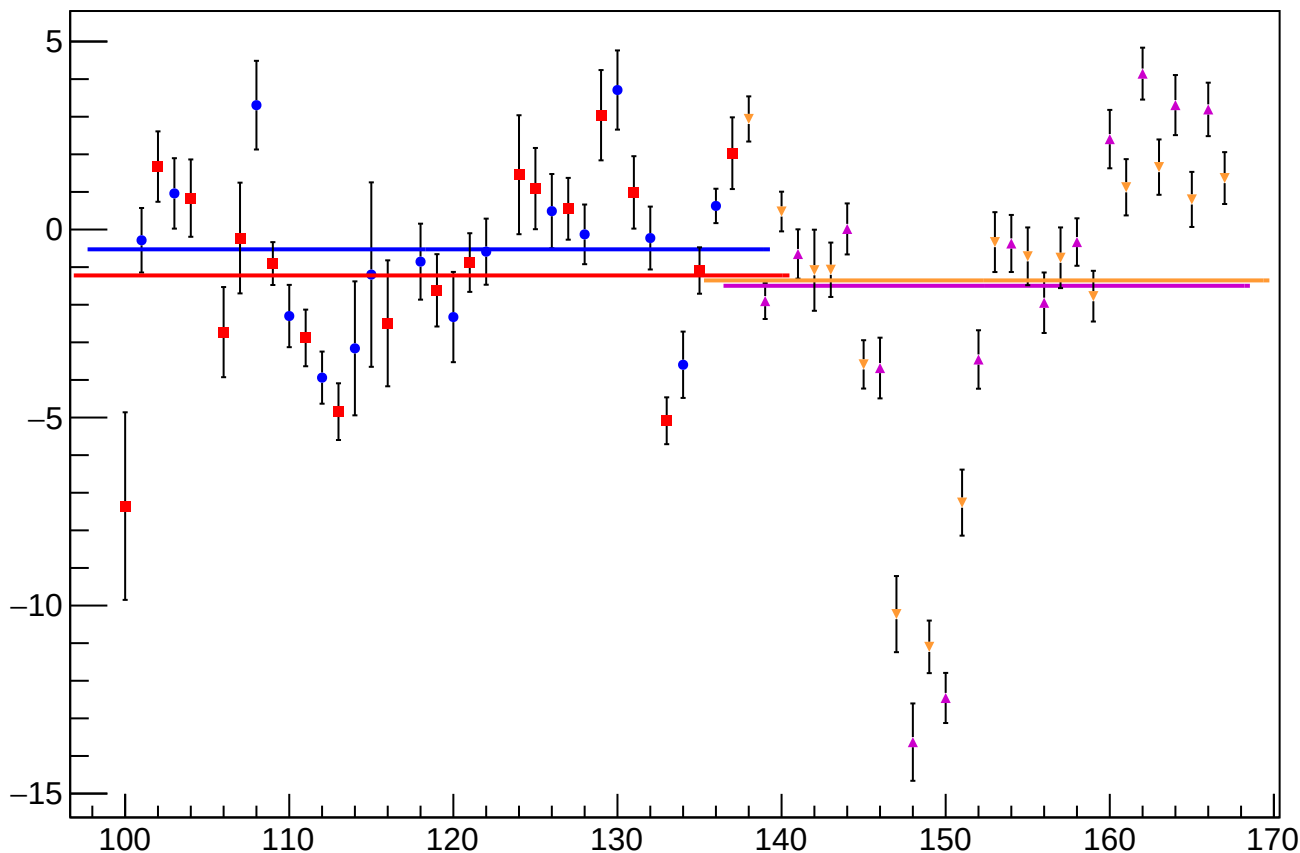
Left In: 0.085 ± 0.004 χ^2/NDF : 1465.3/13

+ sign 0.196 ± 0.002 χ^2/NDF : 6437.2/31

All: 0.190 ± 0.002 χ^2/NDF : 11457.2/64

- sign 0.183 ± 0.002 χ^2/NDF : 5001.3/32

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527 ± 0.217 χ^2/NDF : 82.7/15

Left Out: -1.353 ± 0.181 χ^2/NDF : 447.2/15

Right Out: -1.221 ± 0.205 χ^2/NDF : 130.9/18

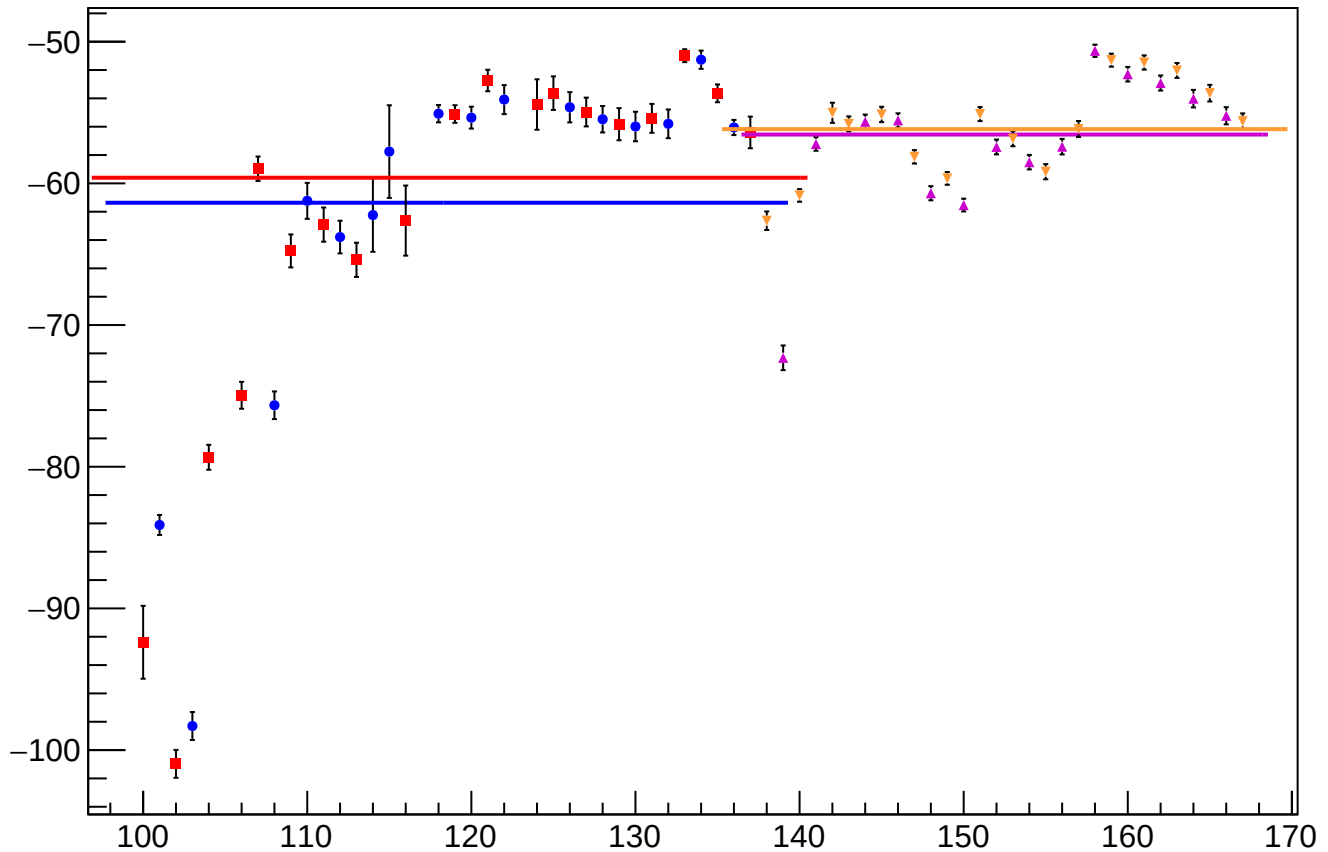
Left In: -1.496 ± 0.188 χ^2/NDF : 608.5/13

+ sign -1.014 ± 0.139 χ^2/NDF : 538.5/31

All: -1.193 ± 0.098 χ^2/NDF : 1282.2/64

- sign -1.370 ± 0.138 χ^2/NDF : 740.4/32

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367 ± 0.219 χ^2/NDF : 3351.2/15

Left Out: -56.171 ± 0.131 χ^2/NDF : 609.7/15

Right Out: -59.601 ± 0.207 χ^2/NDF : 3421.3/18

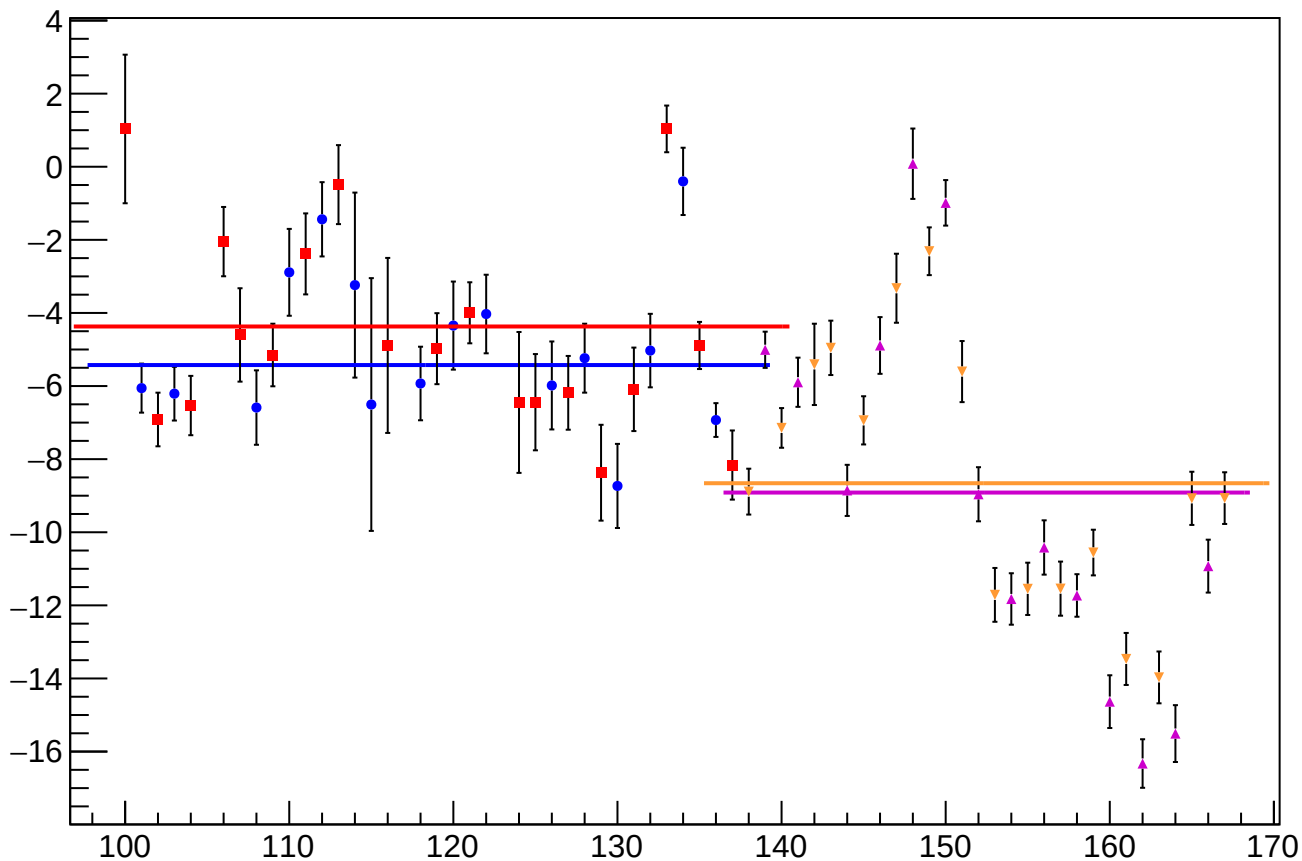
Left In: -56.553 ± 0.140 χ^2/NDF : 869.6/13

+ sign -57.541 ± 0.112 χ^2/NDF : 4375.4/31

All: -57.526 ± 0.081 χ^2/NDF : 8815.6/64

- sign -57.511 ± 0.116 χ^2/NDF : 4440.2/32

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425 ± 0.230 $\chi^2/\text{NDF}: 76.0/15$

Left Out: -8.659 ± 0.177 $\chi^2/\text{NDF}: 348.1/15$

Right Out: -4.371 ± 0.223 $\chi^2/\text{NDF}: 156.6/18$

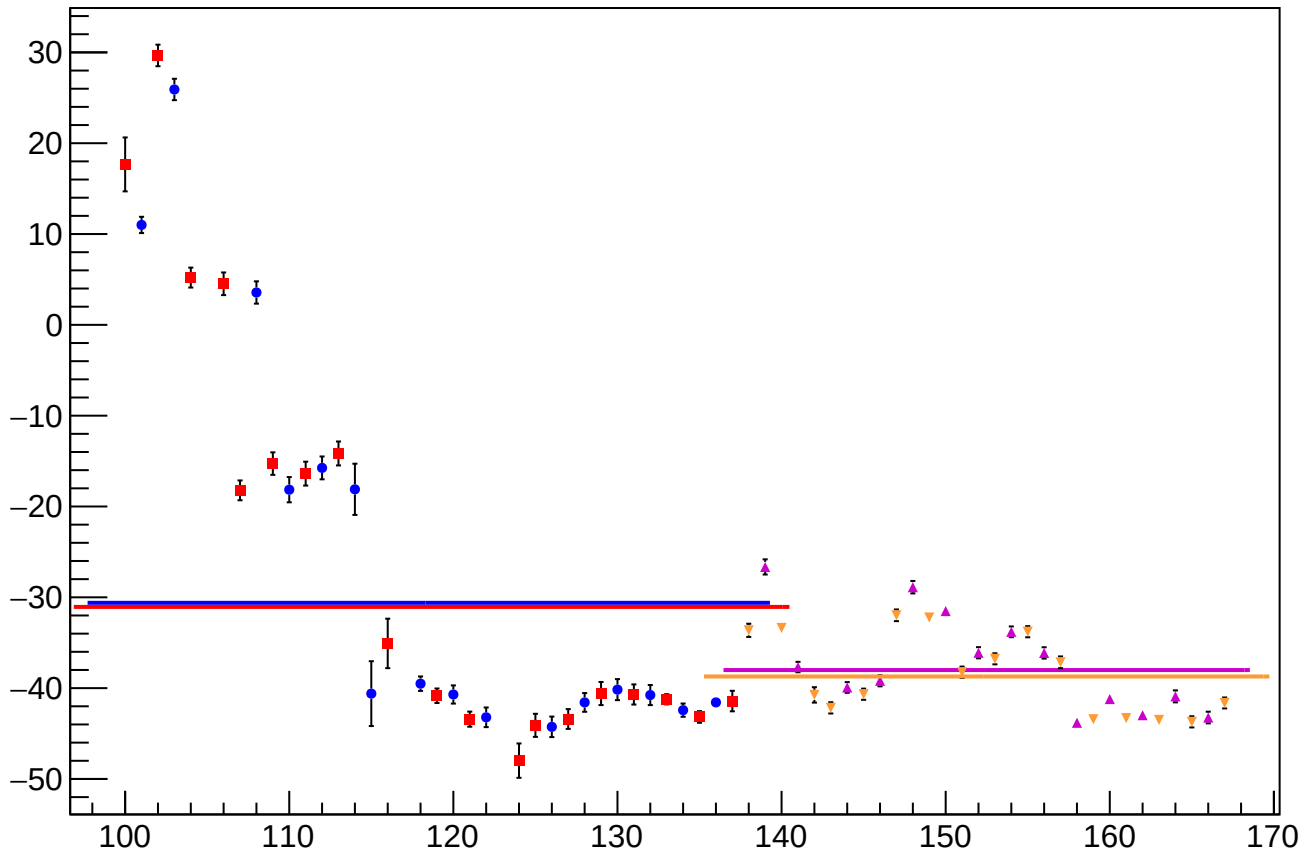
Left In: -8.914 ± 0.183 $\chi^2/\text{NDF}: 670.3/13$

+ sign -7.452 ± 0.140 $\chi^2/\text{NDF}: 548.0/31$

All: -7.270 ± 0.100 $\chi^2/\text{NDF}: 1627.5/64$

- sign -7.086 ± 0.141 $\chi^2/\text{NDF}: 1076.1/32$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605 ± 0.249 χ^2/NDF : 6938.0/15

Left Out: -38.717 ± 0.150 χ^2/NDF : 863.5/15

Right Out: -31.056 ± 0.238 χ^2/NDF : 6976.4/18

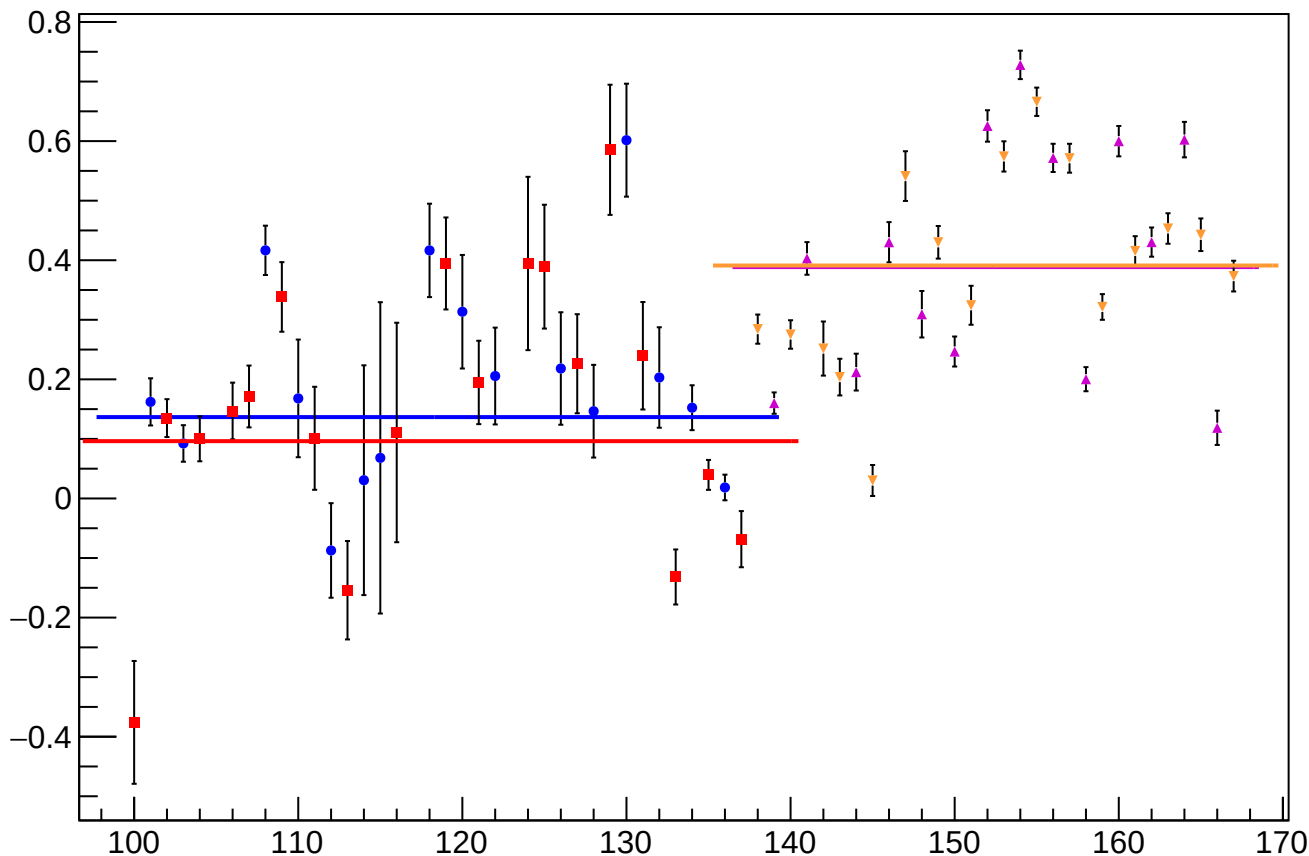
Left In: -38.009 ± 0.158 χ^2/NDF : 963.6/13

+ sign -36.566 ± 0.128 χ^2/NDF : 8579.0/31

All: -36.230 ± 0.092 χ^2/NDF : 17126.0/64

- sign -35.876 ± 0.132 χ^2/NDF : 8532.9/32

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137 $\pm$ 0.013 χ^2 /NDF: 129.2/15

Left Out: 0.391 $\pm$ 0.007 χ^2 /NDF: 562.6/15

Right Out: 0.096 $\pm$ 0.012 χ^2 /NDF: 147.7/18

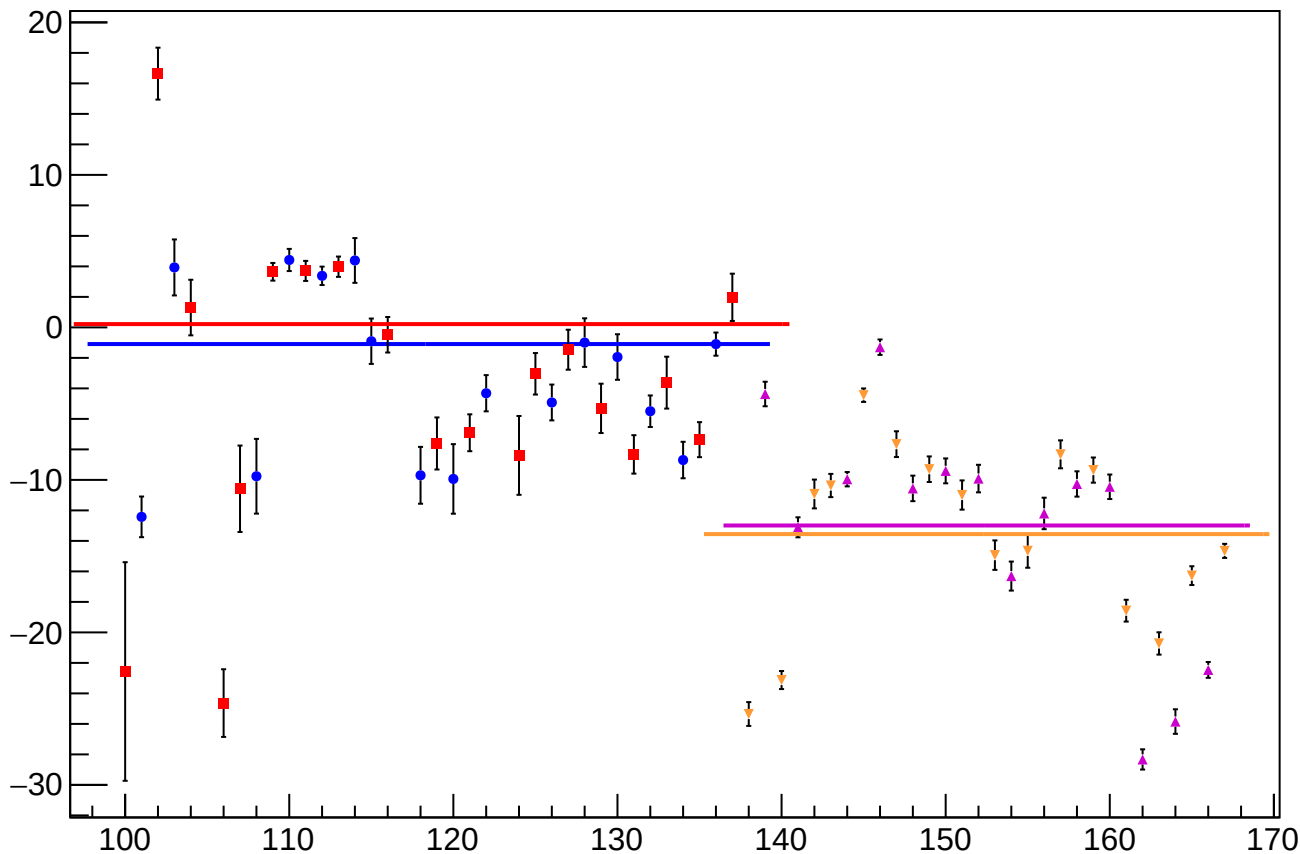
Left In: 0.388 $\pm$ 0.007 χ^2 /NDF: 872.5/13

+ sign 0.335 $\pm$ 0.006 χ^2 /NDF: 1014.4/31

All: 0.328 $\pm$ 0.004 χ^2 /NDF: 2467.3/64

- sign 0.320 $\pm$ 0.006 χ^2 /NDF: 1450.0/32

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092 ± 0.281 χ^2/NDF : 332.0/15

Left Out: -13.555 ± 0.177 χ^2/NDF : 1253.2/15

Right Out: 0.216 ± 0.266 χ^2/NDF : 520.8/18

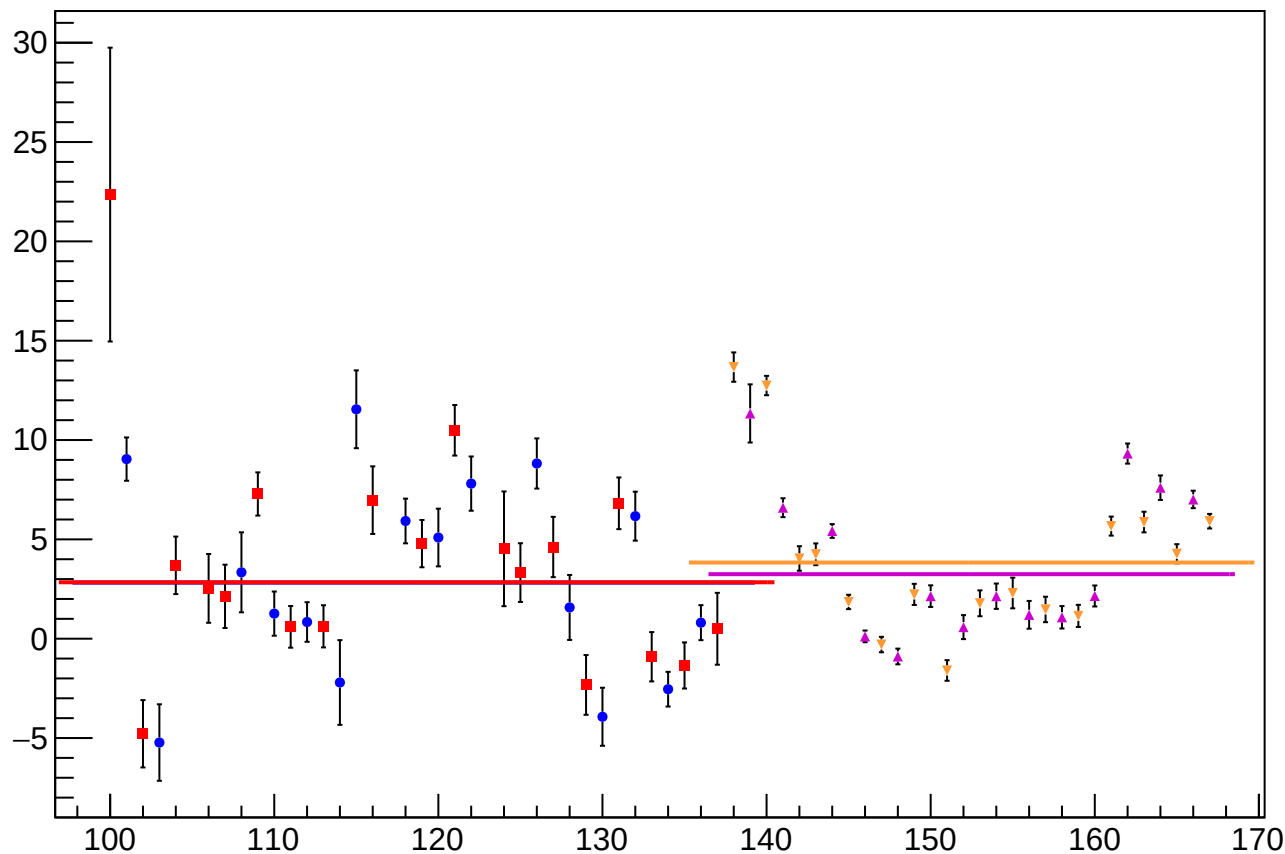
Left In: -12.989 ± 0.186 χ^2/NDF : 1884.7/13

+ sign -10.019 ± 0.149 χ^2/NDF : 2998.5/31

All: -9.355 ± 0.107 χ^2/NDF : 7099.6/64

- sign -8.666 ± 0.152 χ^2/NDF : 4060.9/32

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823 ± 0.313 $\chi^2/\text{NDF}: 199.6/15$

Left Out: 3.835 ± 0.126 $\chi^2/\text{NDF}: 889.2/15$

Right Out: 2.840 ± 0.322 $\chi^2/\text{NDF}: 145.0/18$

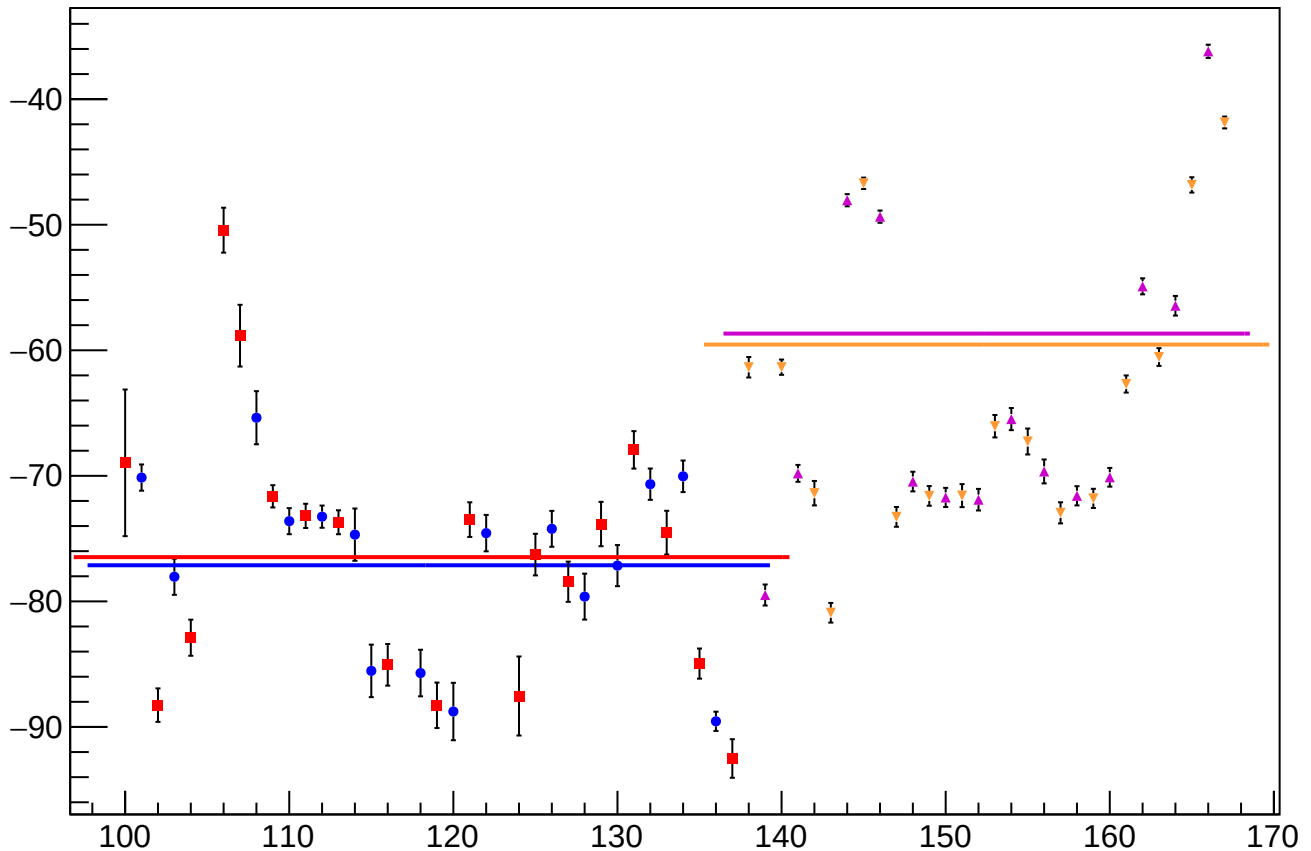
Left In: 3.247 ± 0.129 $\chi^2/\text{NDF}: 664.2/13$

+ sign 3.694 ± 0.117 $\chi^2/\text{NDF}: 1097.7/31$

All: 3.449 ± 0.084 $\chi^2/\text{NDF}: 1917.2/64$

- sign 3.191 ± 0.120 $\chi^2/\text{NDF}: 810.5/32$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123 ± 0.326 χ^2/NDF : 503.3/15

Left Out: -59.543 ± 0.175 χ^2/NDF : 4886.9/15

Right Out: -76.475 ± 0.328 χ^2/NDF : 695.8/18

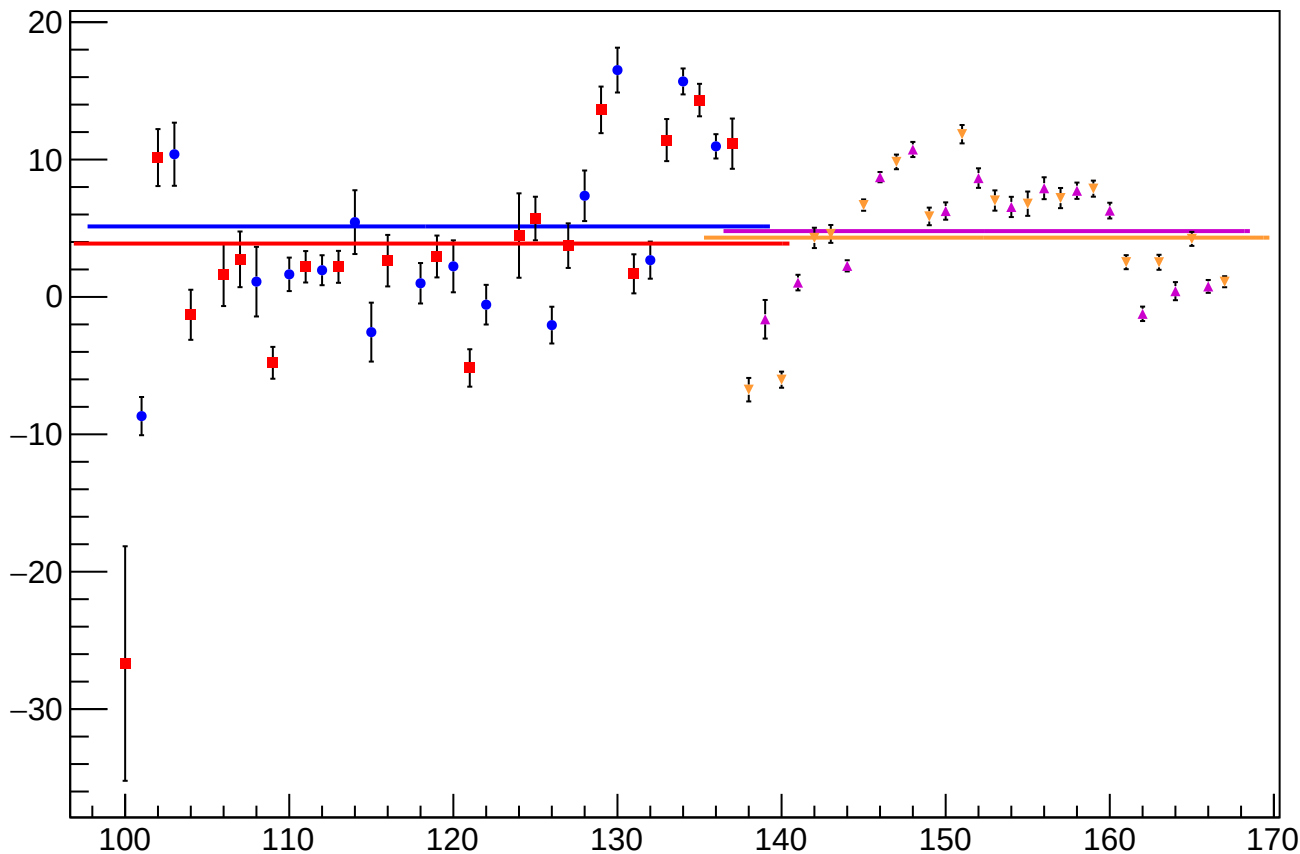
Left In: -58.670 ± 0.182 χ^2/NDF : 5051.2/13

+ sign -63.461 ± 0.154 χ^2/NDF : 7646.2/31

All: -63.159 ± 0.111 χ^2/NDF : 15651.5/64

- sign -62.837 ± 0.159 χ^2/NDF : 7997.4/32

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132 ± 0.350 χ^2/NDF : 412.3/15

Left Out: 4.317 ± 0.145 χ^2/NDF : 911.7/15

Right Out: 3.885 ± 0.361 χ^2/NDF : 291.5/18

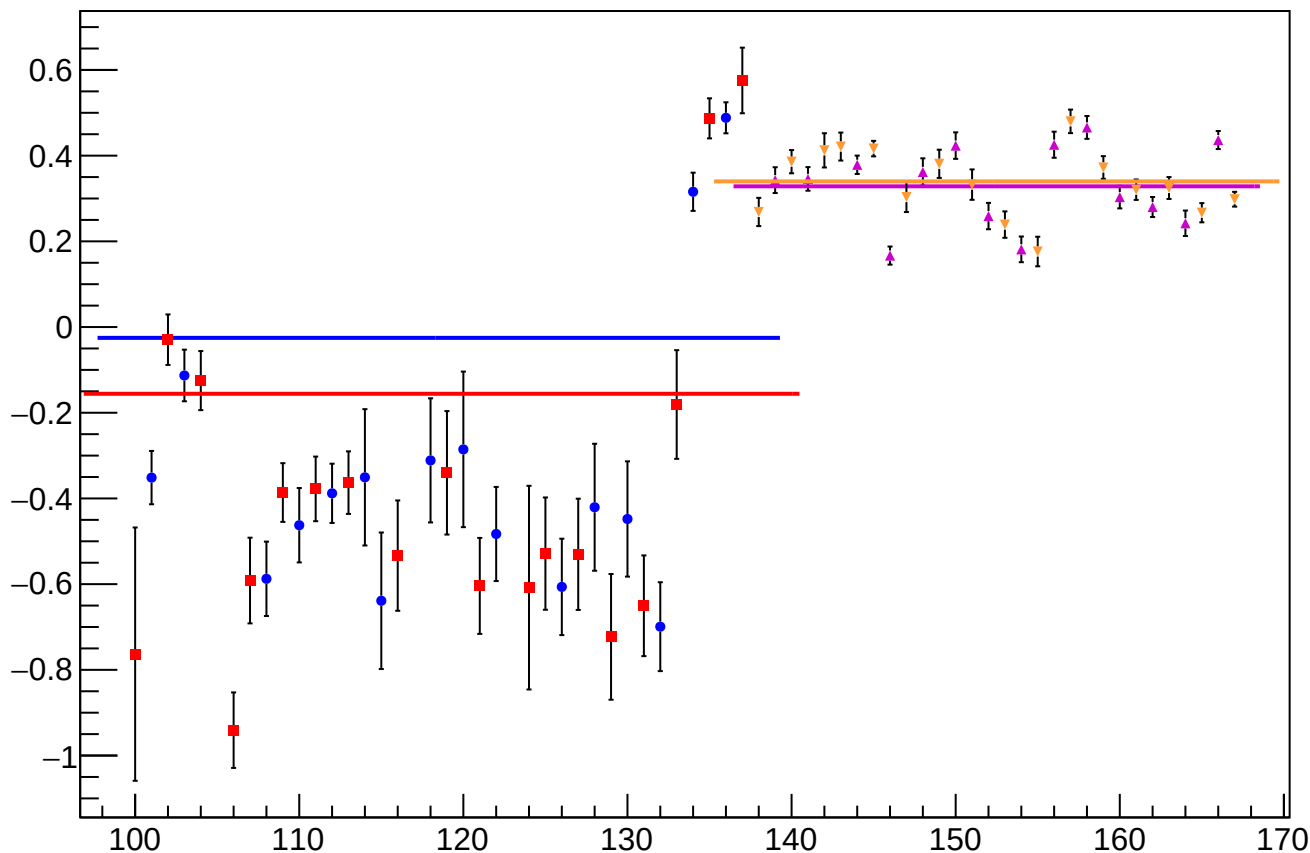
Left In: 4.792 ± 0.150 χ^2/NDF : 666.8/13

+ sign 4.436 ± 0.134 χ^2/NDF : 1328.7/31

All: 4.544 ± 0.096 χ^2/NDF : 2293.6/64

- sign 4.659 ± 0.139 χ^2/NDF : 963.6/32

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025 ± 0.019 $\chi^2/\text{NDF}: 512.5/15$

Left Out: 0.340 ± 0.007 $\chi^2/\text{NDF}: 115.8/15$

Right Out: -0.156 ± 0.020 $\chi^2/\text{NDF}: 494.9/18$

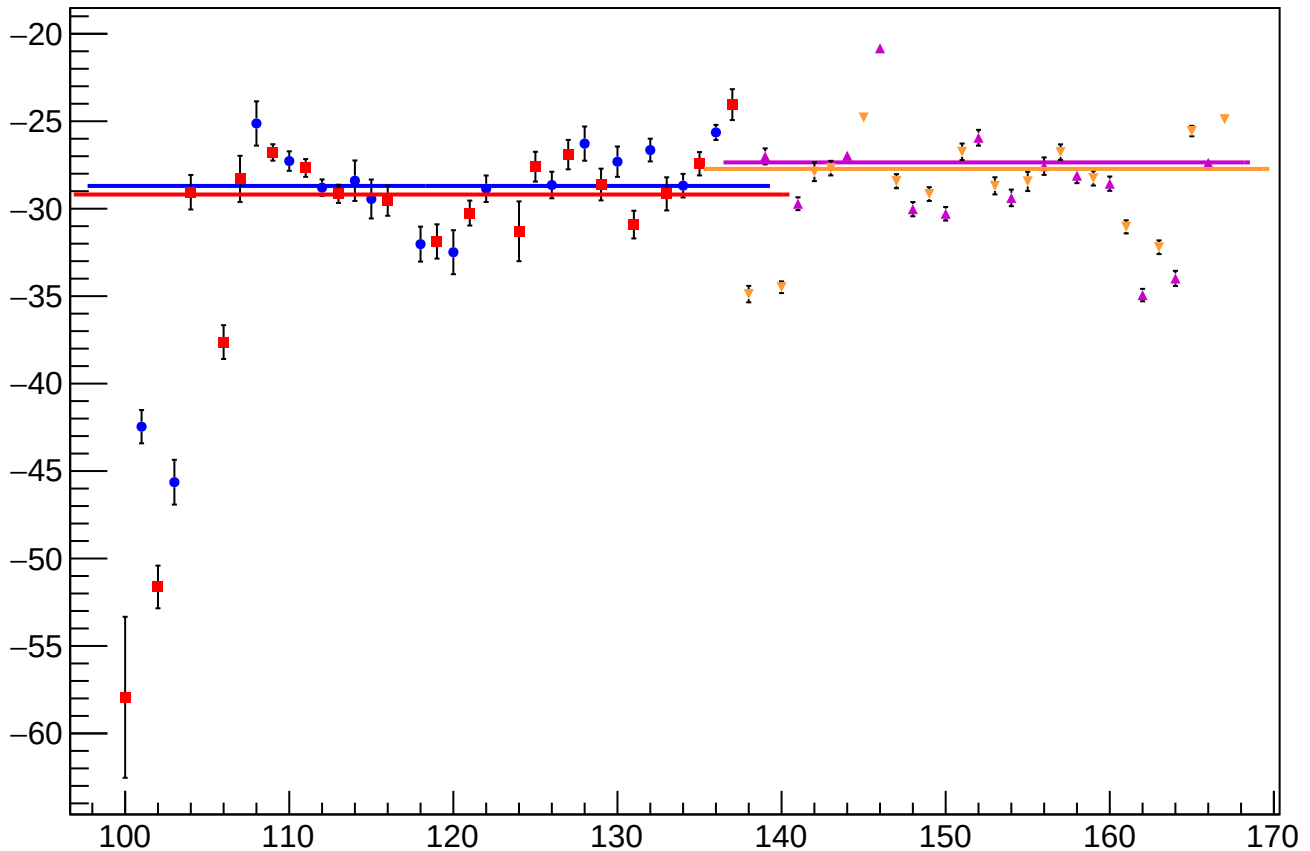
Left In: 0.328 ± 0.007 $\chi^2/\text{NDF}: 181.2/13$

+ sign 0.300 ± 0.006 $\chi^2/\text{NDF}: 959.3/31$

All: 0.289 ± 0.005 $\chi^2/\text{NDF}: 2153.9/64$

- sign 0.276 ± 0.007 $\chi^2/\text{NDF}: 1187.8/32$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698 ± 0.186 χ^2/NDF : 487.3/15

Left Out: -27.724 ± 0.088 χ^2/NDF : 1322.0/15

Right Out: -29.189 ± 0.181 χ^2/NDF : 557.3/18

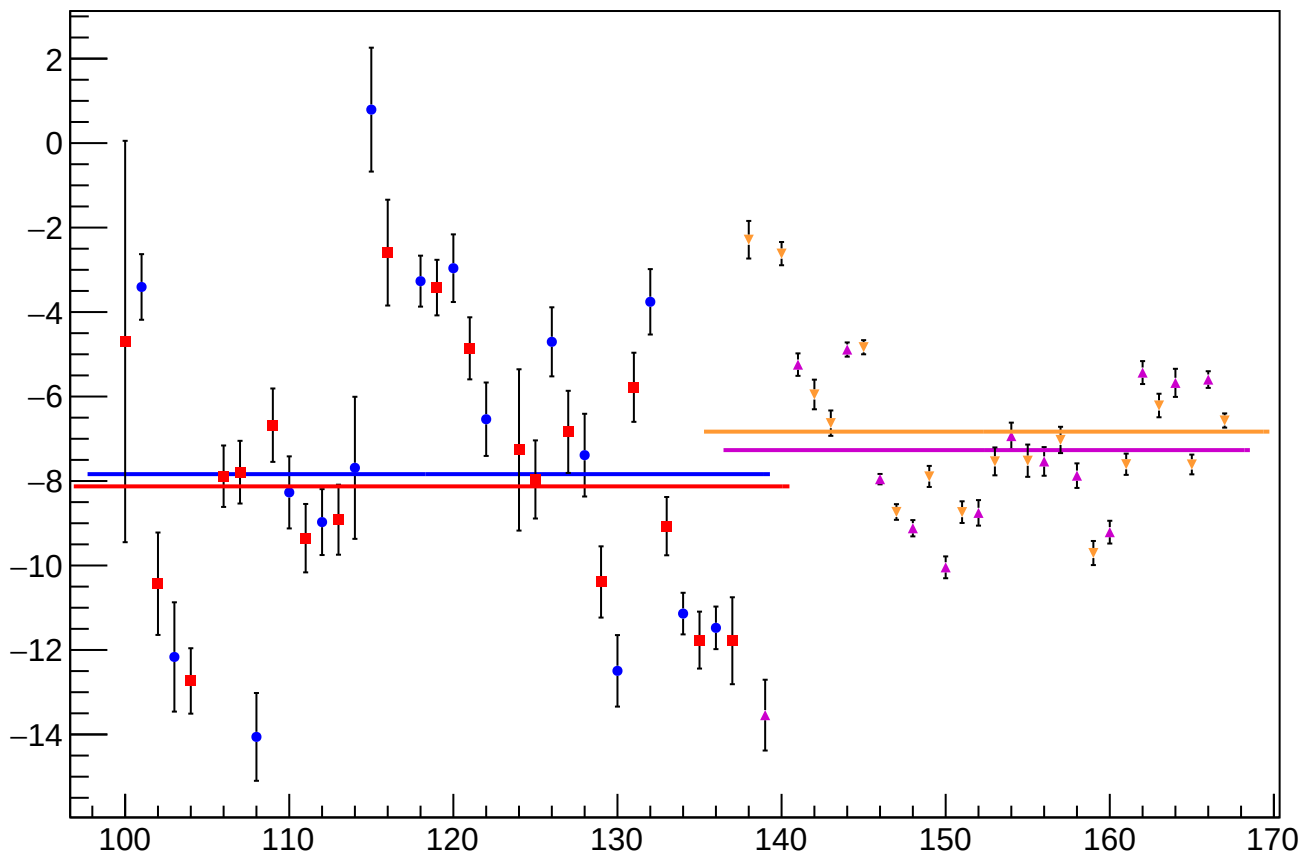
Left In: -27.353 ± 0.090 χ^2/NDF : 1872.3/13

+ sign -27.903 ± 0.080 χ^2/NDF : 1831.7/31

All: -27.810 ± 0.057 χ^2/NDF : 4346.4/64

- sign -27.715 ± 0.080 χ^2/NDF : 2511.9/32

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837 ± 0.195 χ^2/NDF : 383.2/15

Left Out: -6.831 ± 0.063 χ^2/NDF : 804.5/15

Right Out: -8.127 ± 0.197 χ^2/NDF : 197.3/18

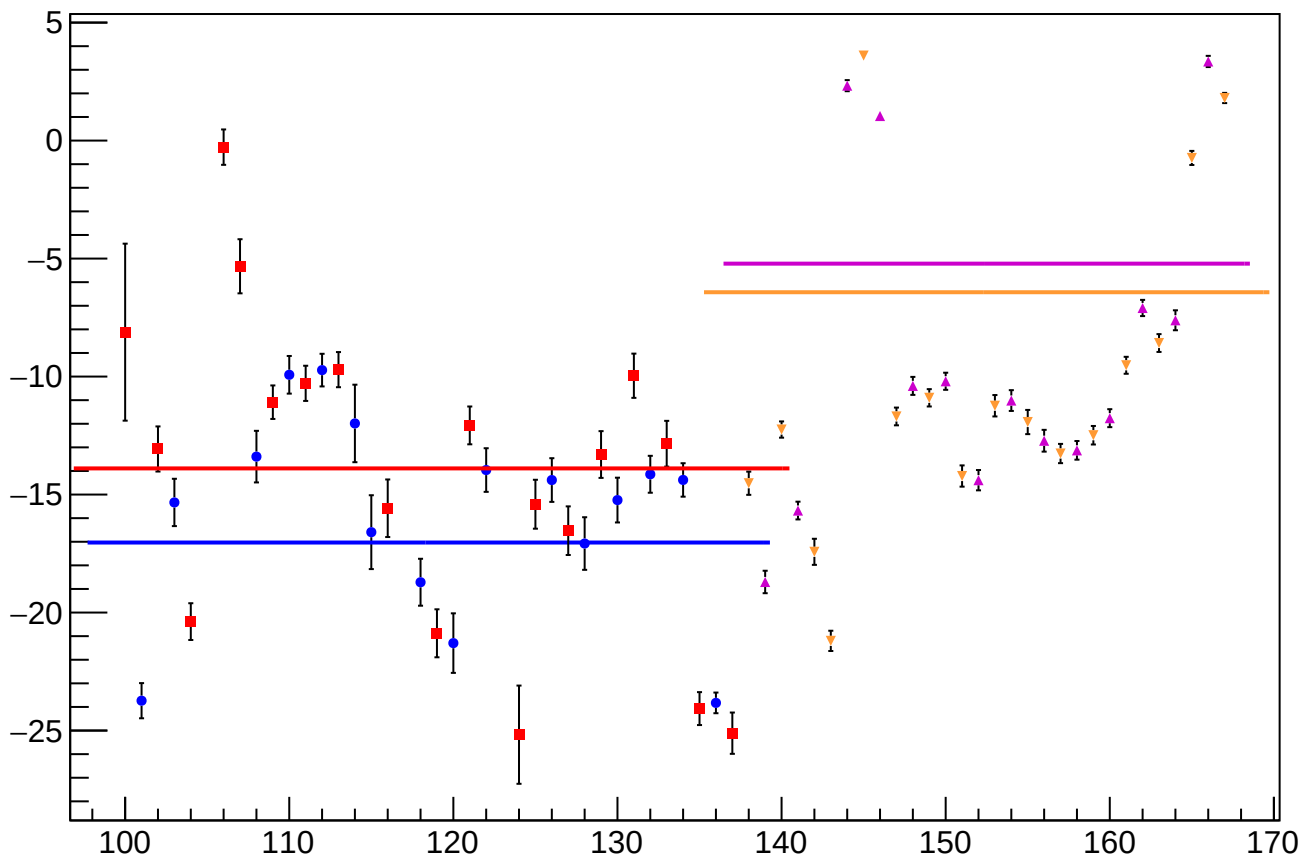
Left In: -7.268 ± 0.062 χ^2/NDF : 775.4/13

+ sign -6.925 ± 0.060 χ^2/NDF : 1211.9/31

All: -7.138 ± 0.042 χ^2/NDF : 2227.1/64

- sign -7.345 ± 0.059 χ^2/NDF : 990.1/32

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033 ± 0.209 χ^2/NDF : 601.2/15

Left Out: -6.426 ± 0.087 χ^2/NDF : 7766.5/15

Right Out: -13.892 ± 0.209 χ^2/NDF : 1017.4/18

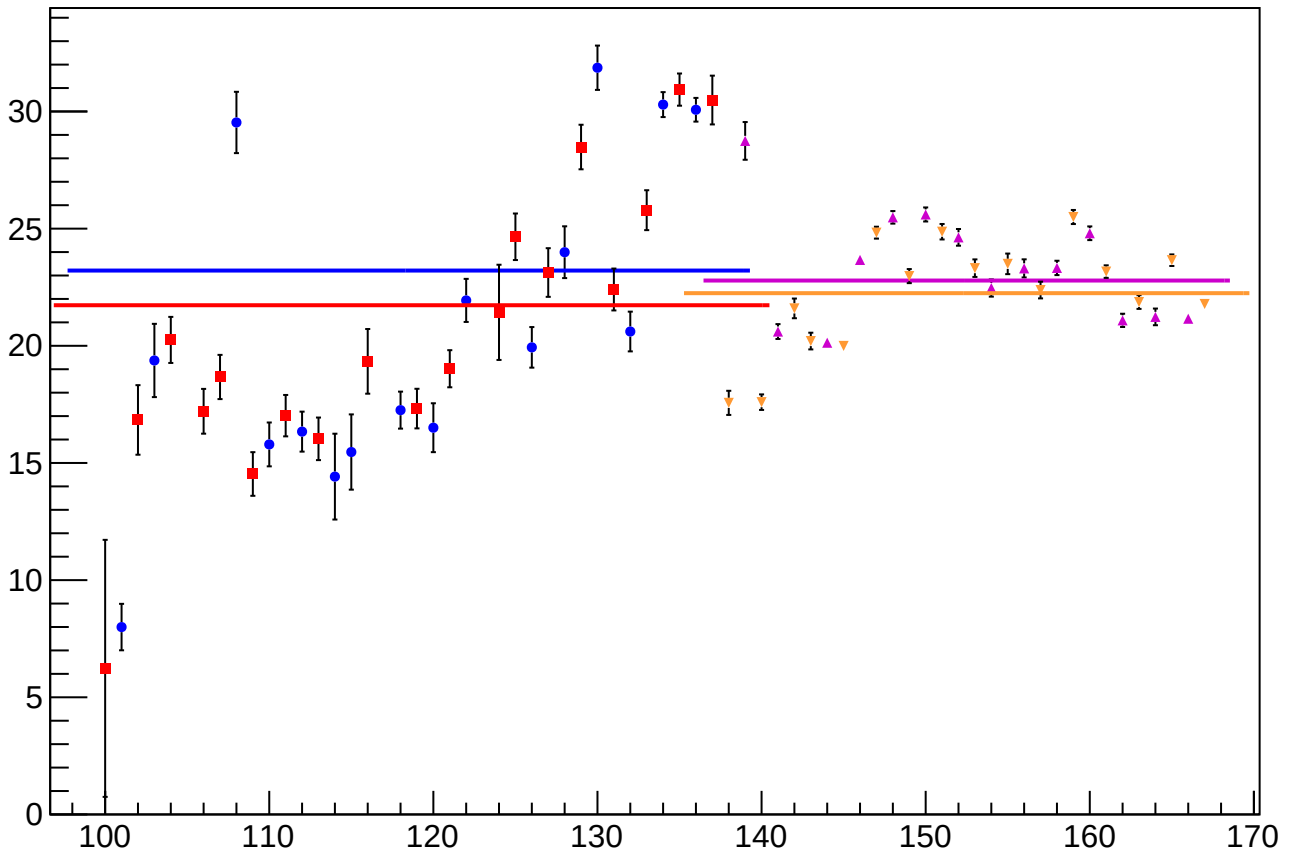
Left In: -5.215 ± 0.088 χ^2/NDF : 6923.1/13

+ sign -7.986 ± 0.080 χ^2/NDF : 10556.5/31

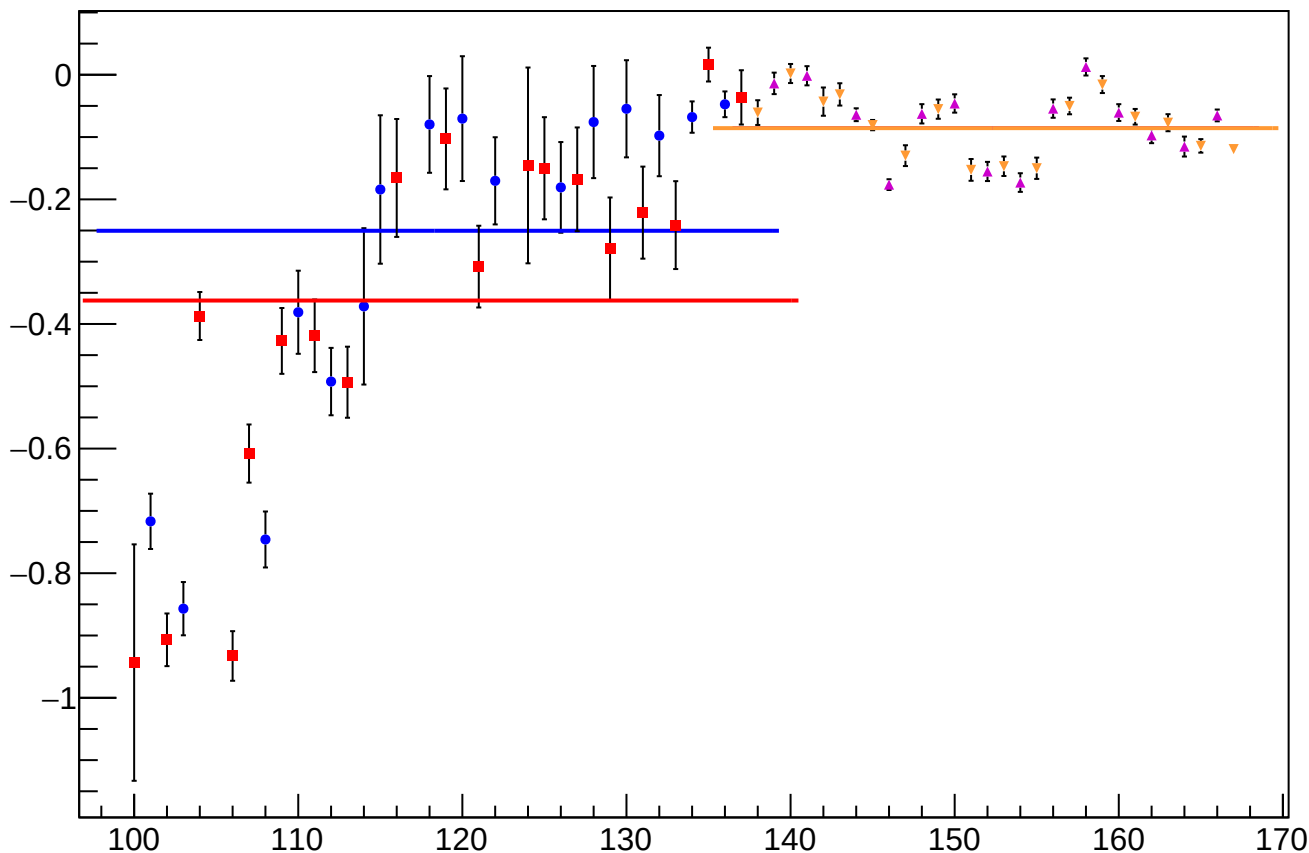
All: -7.256 ± 0.057 χ^2/NDF : 20125.3/64

- sign -6.513 ± 0.081 χ^2/NDF : 9401.8/32

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250 ± 0.012 χ^2/NDF : 633.5/15

Left Out: -0.086 ± 0.003 χ^2/NDF : 163.5/15

Right Out: -0.362 ± 0.012 χ^2/NDF : 704.3/18

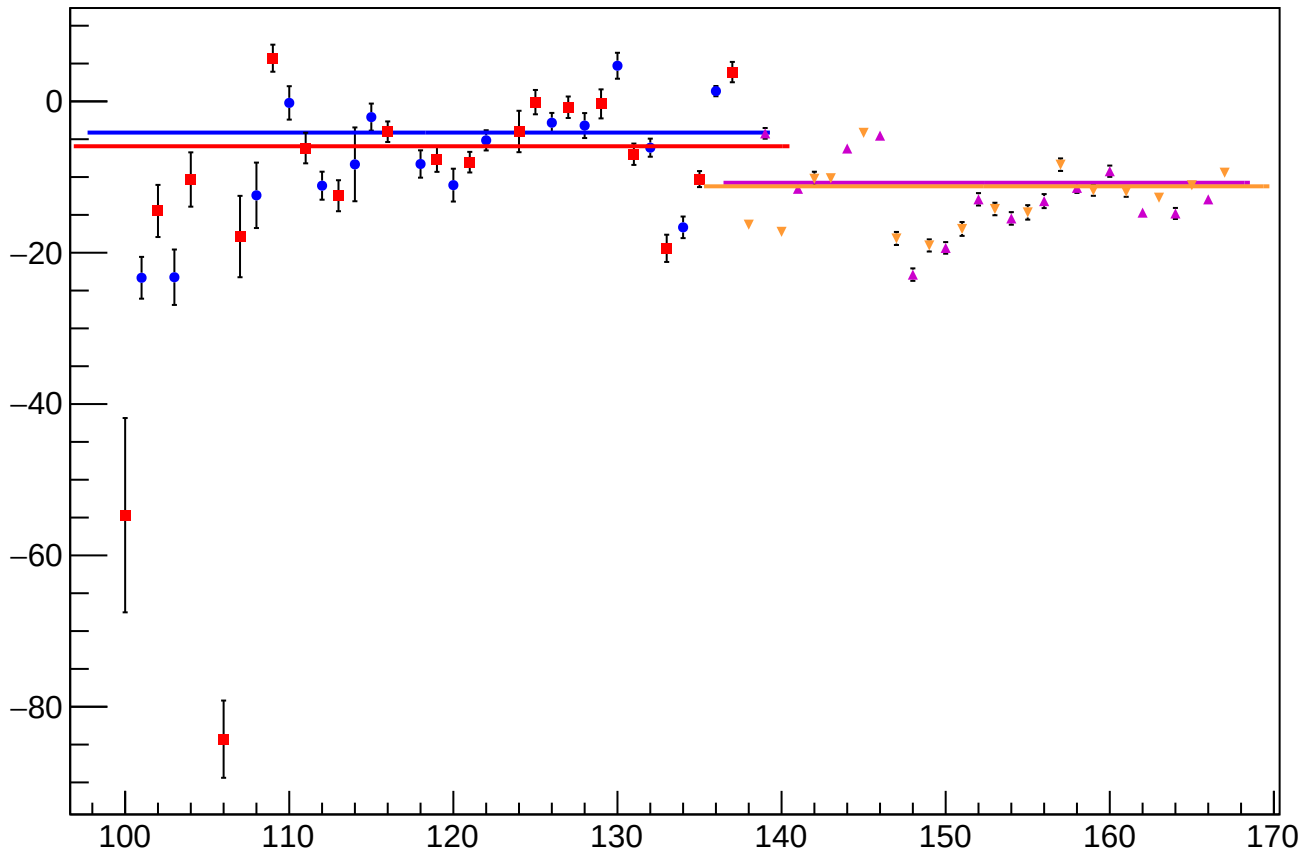
Left In: -0.085 ± 0.003 χ^2/NDF : 293.5/13

+ sign -0.098 ± 0.003 χ^2/NDF : 981.9/31

All: -0.101 ± 0.002 χ^2/NDF : 2449.2/64

- sign -0.105 ± 0.003 χ^2/NDF : 1464.5/32

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124 ± 0.382 χ^2/NDF : 287.9/15

Left Out: -11.225 ± 0.155 χ^2/NDF : 814.5/15

Right Out: -5.930 ± 0.408 χ^2/NDF : 482.6/18

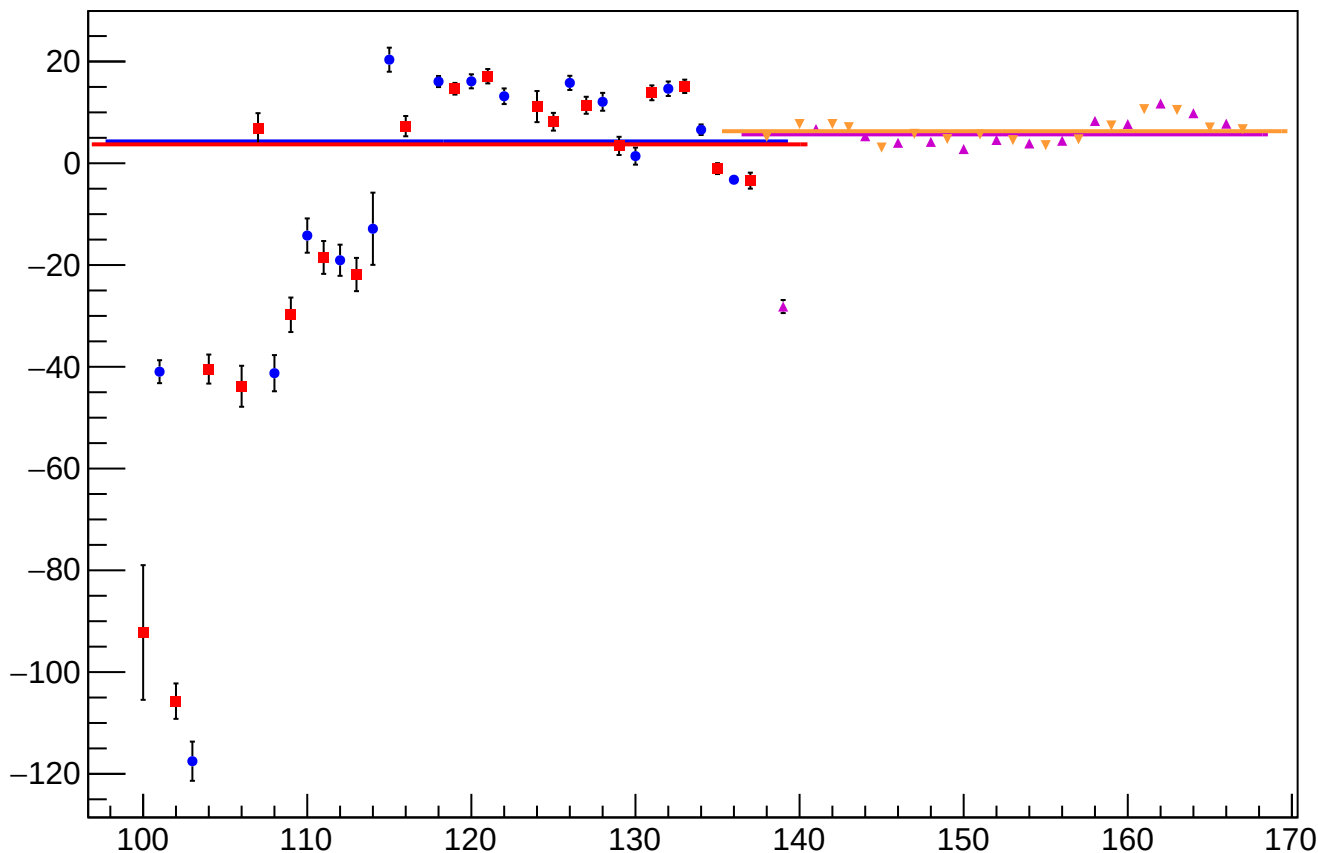
Left In: -10.755 ± 0.163 χ^2/NDF : 931.3/13

+ sign -10.225 ± 0.143 χ^2/NDF : 1399.7/31

All: -10.161 ± 0.104 χ^2/NDF : 2934.8/64

- sign -10.090 ± 0.151 χ^2/NDF : 1534.7/32

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292 $\pm$ 0.385 χ^2 /NDF: 2169.1/15

Left Out: 6.301 $\pm$ 0.112 χ^2 /NDF:367.6/15

Right Out: 3.717 $\pm$ 0.423 χ^2 /NDF: 2007.2/18

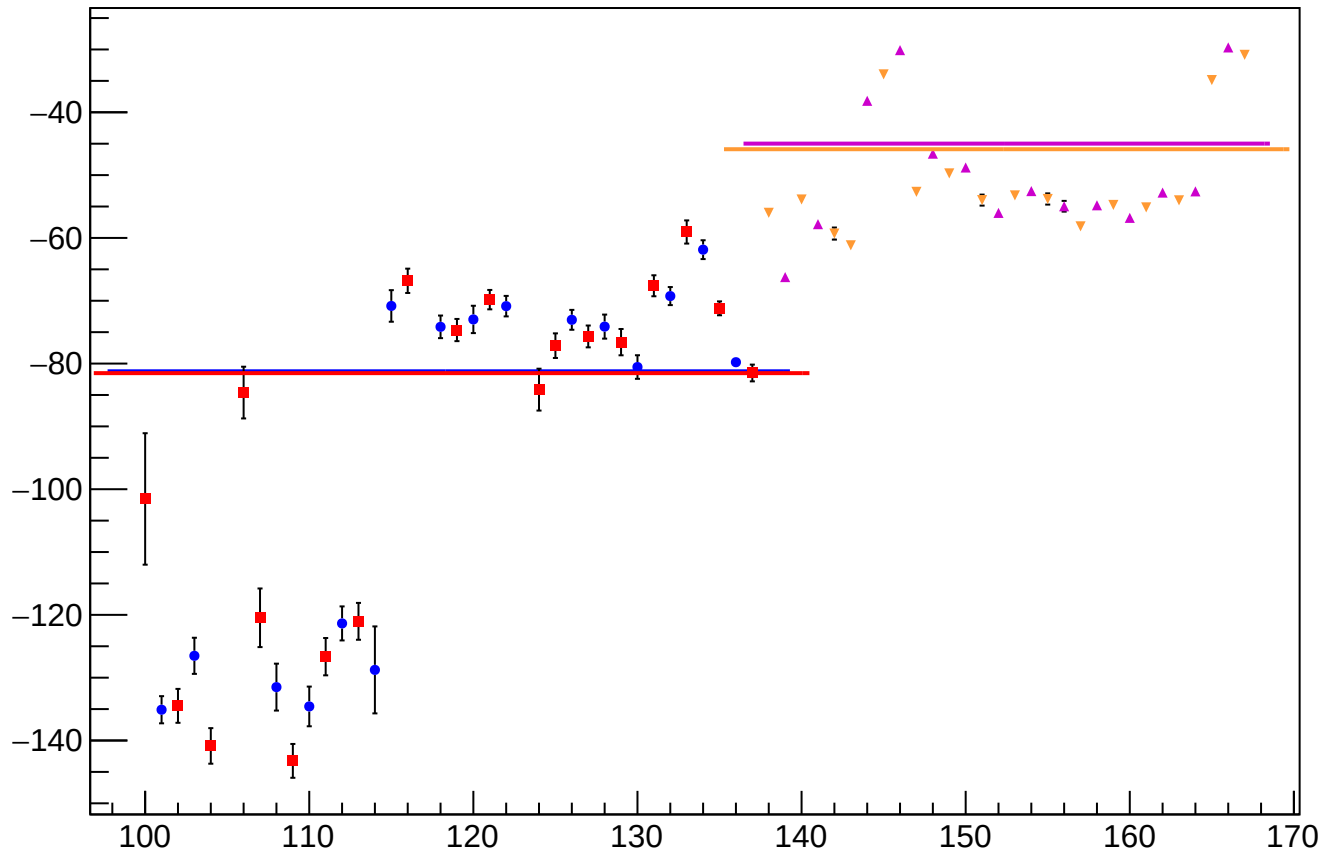
Left In: 5.679 $\pm$ 0.115 χ^2 /NDF:1121.8/13

+ sign 6.145 $\pm$ 0.107 χ^2 /NDF: 2561.8/31

All: 5.854 $\pm$ 0.077 χ^2 /NDF: 5726.0/64

- sign 5.545 $\pm$ 0.111 χ^2 /NDF: 3149.1/32

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231 ± 0.417 χ^2/NDF : 1971.1/15

Left Out: -45.879 ± 0.153 χ^2/NDF : 5220.3/15

Right Out: -81.523 ± 0.462 χ^2/NDF : 2293.2/18

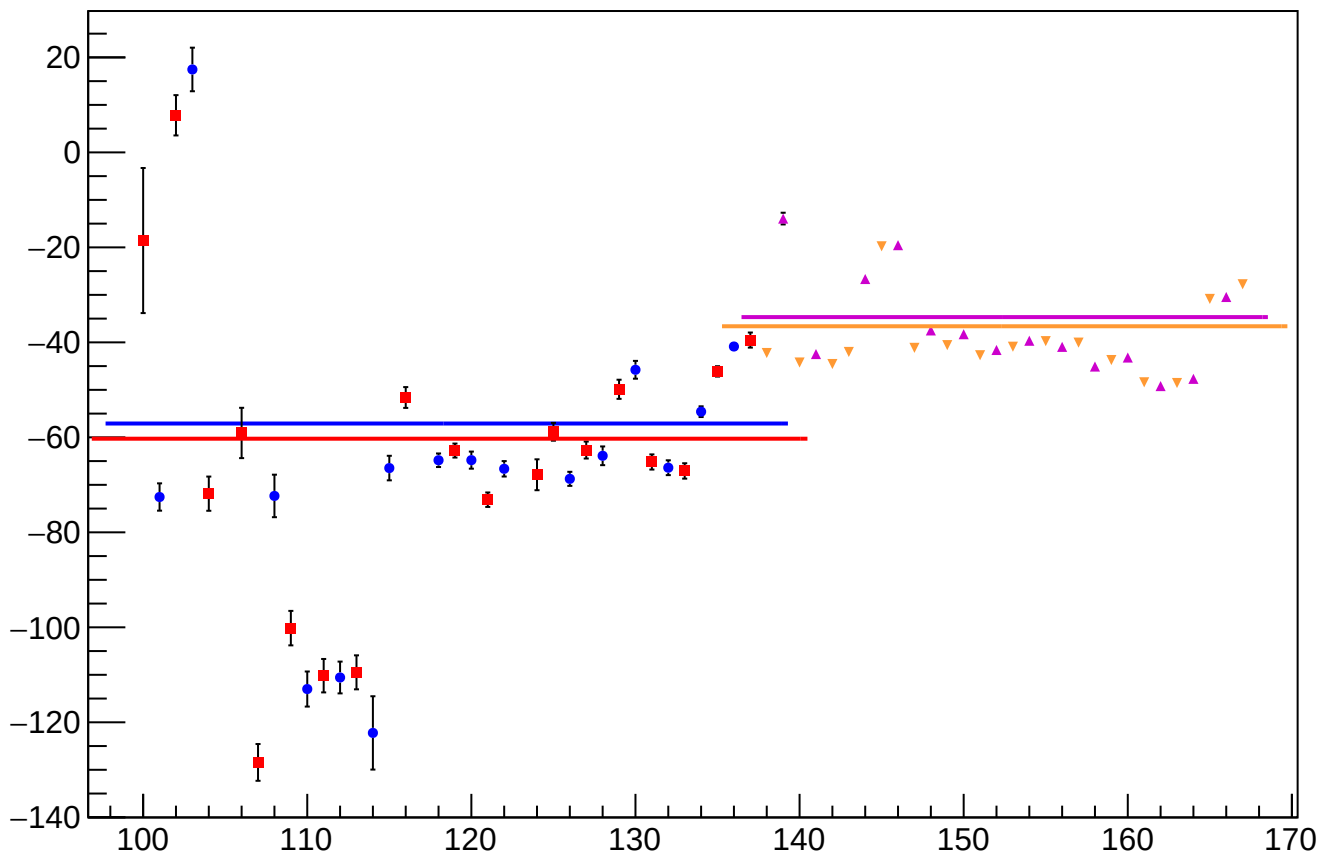
Left In: -44.986 ± 0.159 χ^2/NDF : 5435.9/13

+ sign -50.088 ± 0.144 χ^2/NDF : 13527.9/31

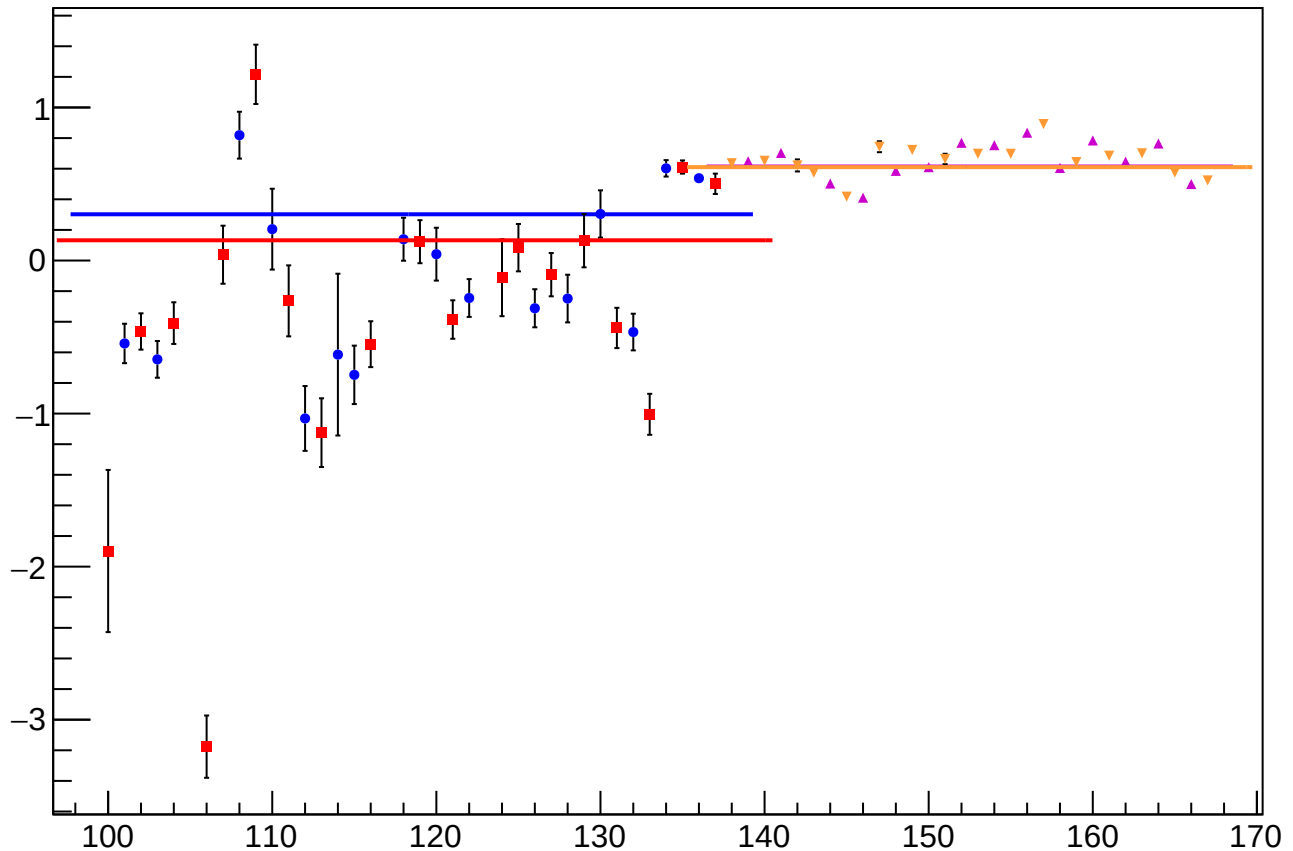
All: -49.512 ± 0.104 χ^2/NDF : 26888.0/64

- sign -48.881 ± 0.151 χ^2/NDF : 13326.5/32

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302 ± 0.023 χ^2/NDF : 374.8/15

Left Out: 0.610 ± 0.006 χ^2/NDF : 415.7/15

Right Out: 0.132 ± 0.027 χ^2/NDF : 672.5/18

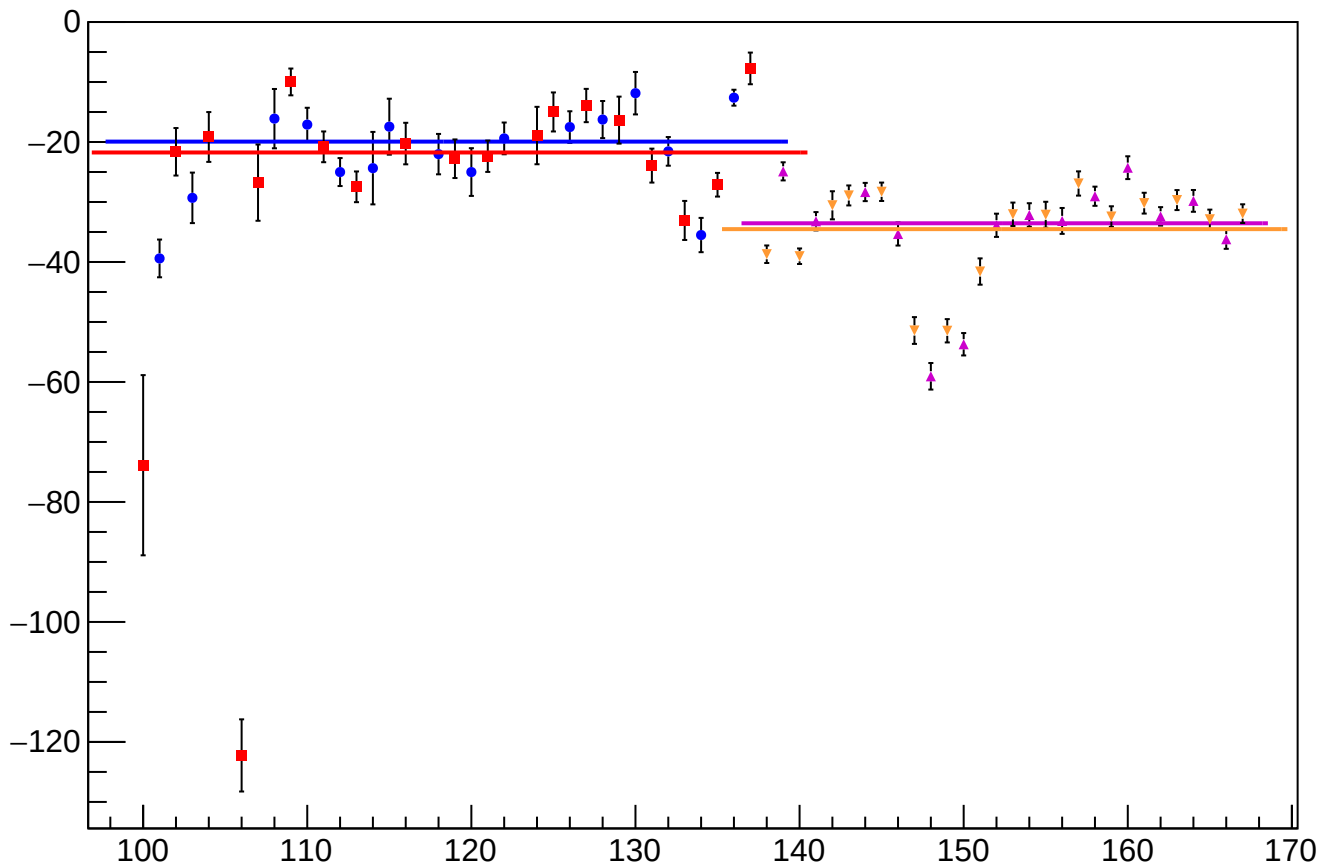
Left In: 0.614 ± 0.006 χ^2/NDF : 439.3/13

+ sign 0.592 ± 0.006 χ^2/NDF : 959.8/31

All: 0.591 ± 0.004 χ^2/NDF : 2385.4/64

- sign 0.589 ± 0.006 χ^2/NDF : 1425.5/32

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935 ± 0.695 χ^2/NDF : 120.6/15

Left Out: -34.523 ± 0.436 χ^2/NDF : 231.8/15

Right Out: -21.746 ± 0.714 χ^2/NDF : 388.3/18

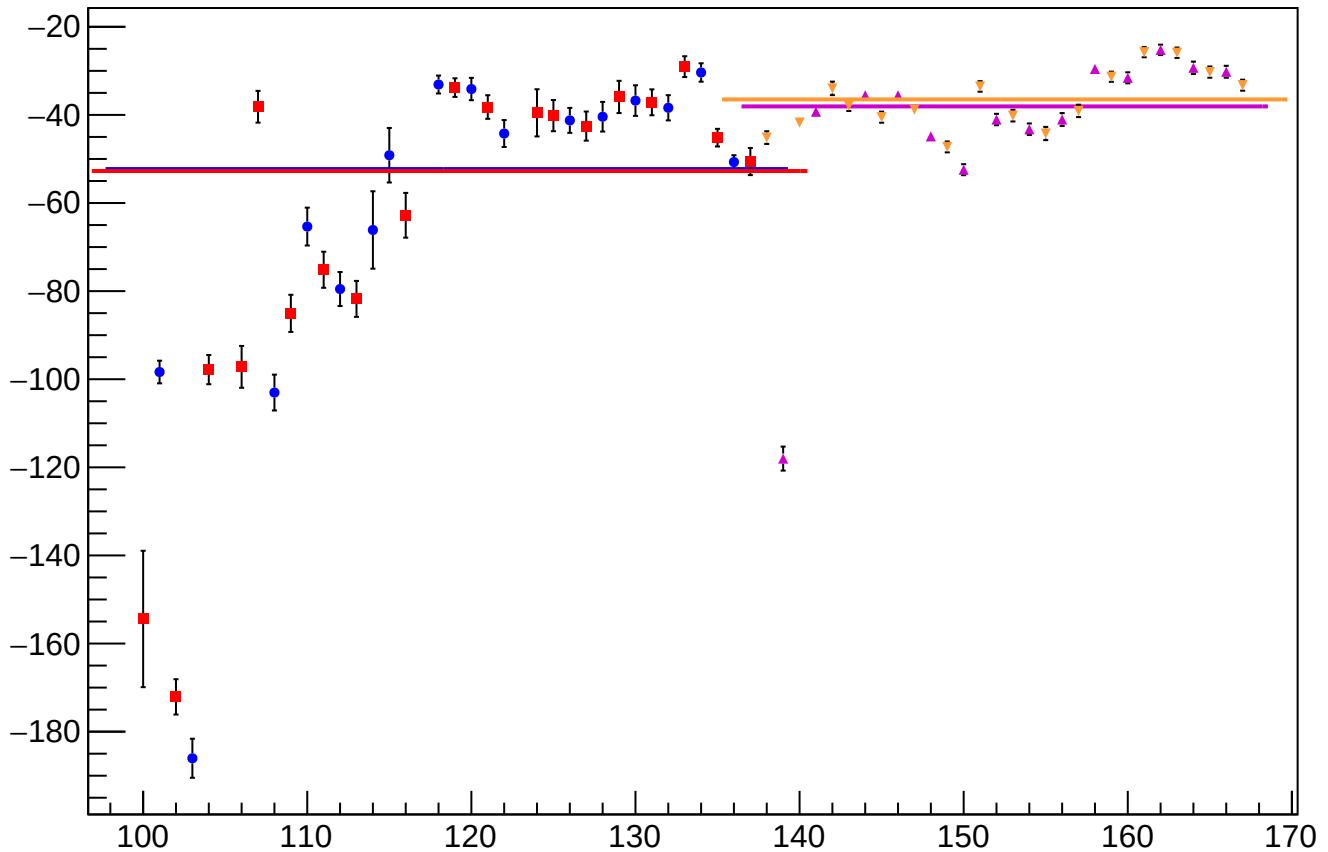
Left In: -33.547 ± 0.467 χ^2/NDF : 334.8/13

+ sign -30.398 ± 0.369 χ^2/NDF : 668.5/31

All: -30.215 ± 0.268 χ^2/NDF : 1583.6/64

- sign -30.009 ± 0.391 χ^2/NDF : 914.6/32

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296 ± 0.708 χ^2/NDF : 1778.2/15

Left Out: -36.483 ± 0.311 χ^2/NDF : 413.9/15

Right Out: -52.737 ± 0.748 χ^2/NDF : 1662.5/18

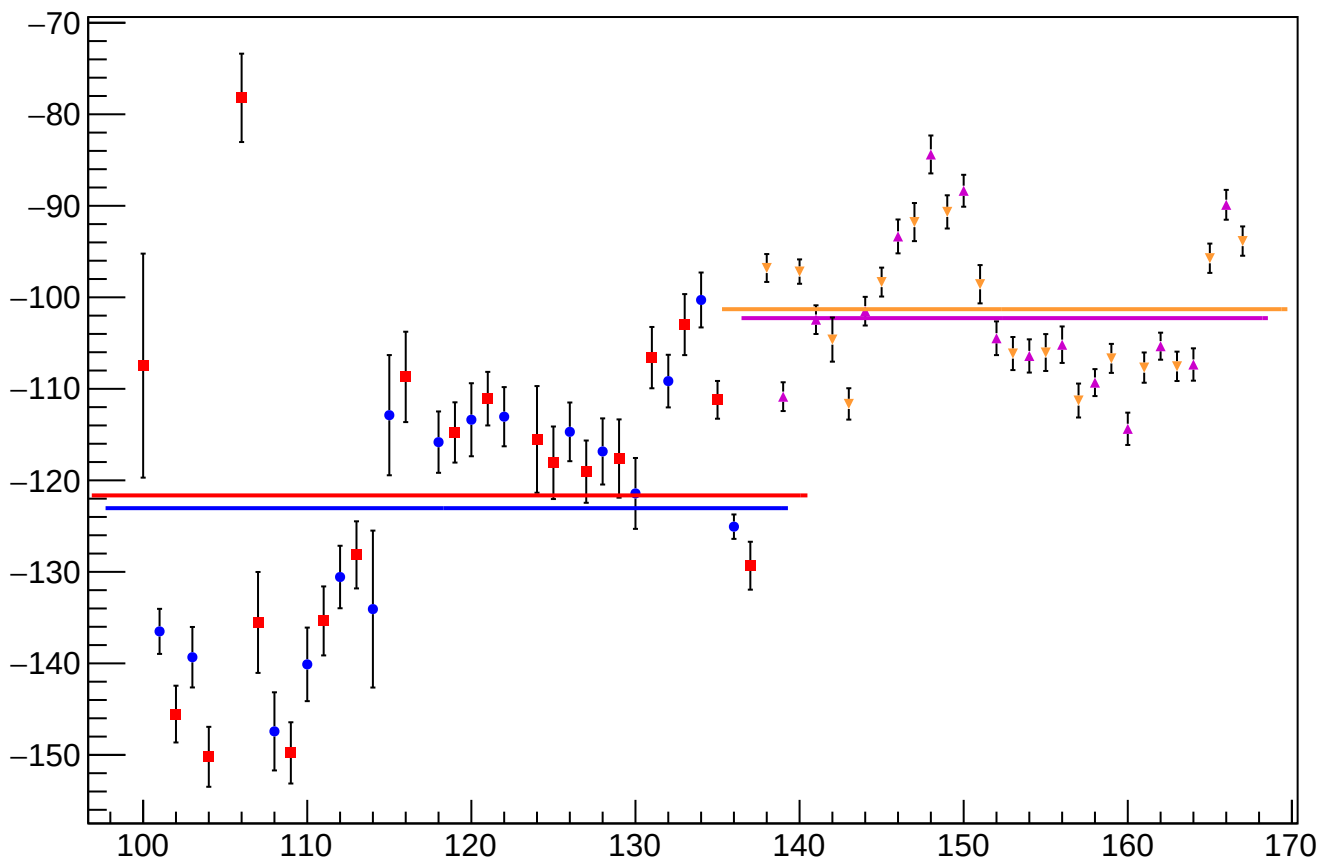
Left In: -38.068 ± 0.335 χ^2/NDF : 1348.1/13

+ sign -39.041 ± 0.285 χ^2/NDF : 2610.1/31

All: -39.725 ± 0.208 χ^2/NDF : 5953.5/64

- sign -40.512 ± 0.305 χ^2/NDF : 3331.0/32

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039 $\pm$ 0.750 χ^2 /NDF: 226.8/15

Left Out: -101.296 $\pm$ 0.429 χ^2 /NDF: 234.0/15

Right Out: -121.646 $\pm$ 0.801 χ^2 /NDF: 424.5/18

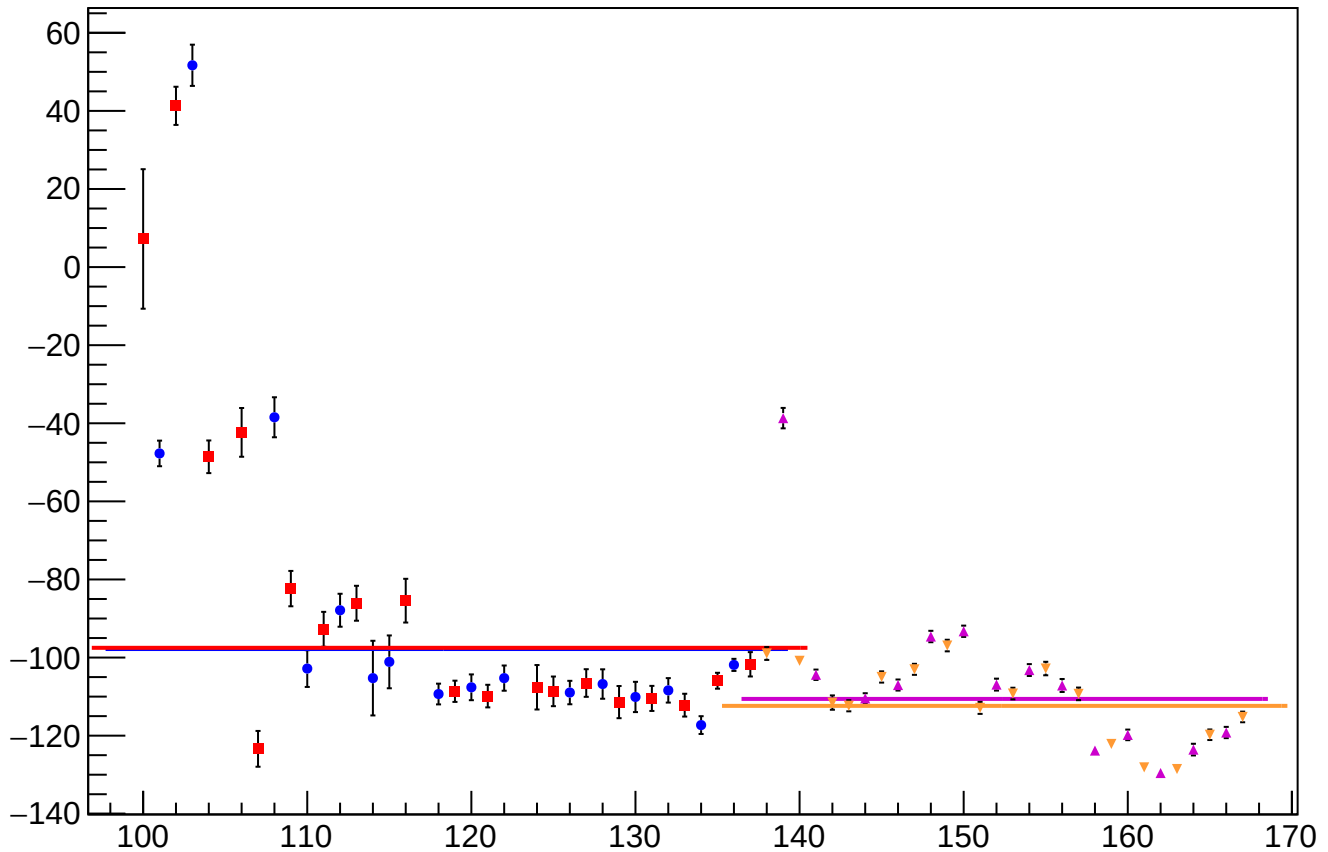
Left In: -102.274 $\pm$ 0.454 χ^2 /NDF: 340.2/13

+ sign -106.648 $\pm$ 0.372 χ^2 /NDF: 1094.4/31

All: -106.803 $\pm$ 0.271 χ^2 /NDF: 2302.1/64

- sign -106.978 $\pm$ 0.395 χ^2 /NDF: 1207.4/32

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814 ± 0.793 χ^2/NDF : 1330.8/15

Left Out: -112.371 ± 0.357 χ^2/NDF : 791.5/15

Right Out: -97.504 ± 0.843 χ^2/NDF : 1236.4/18

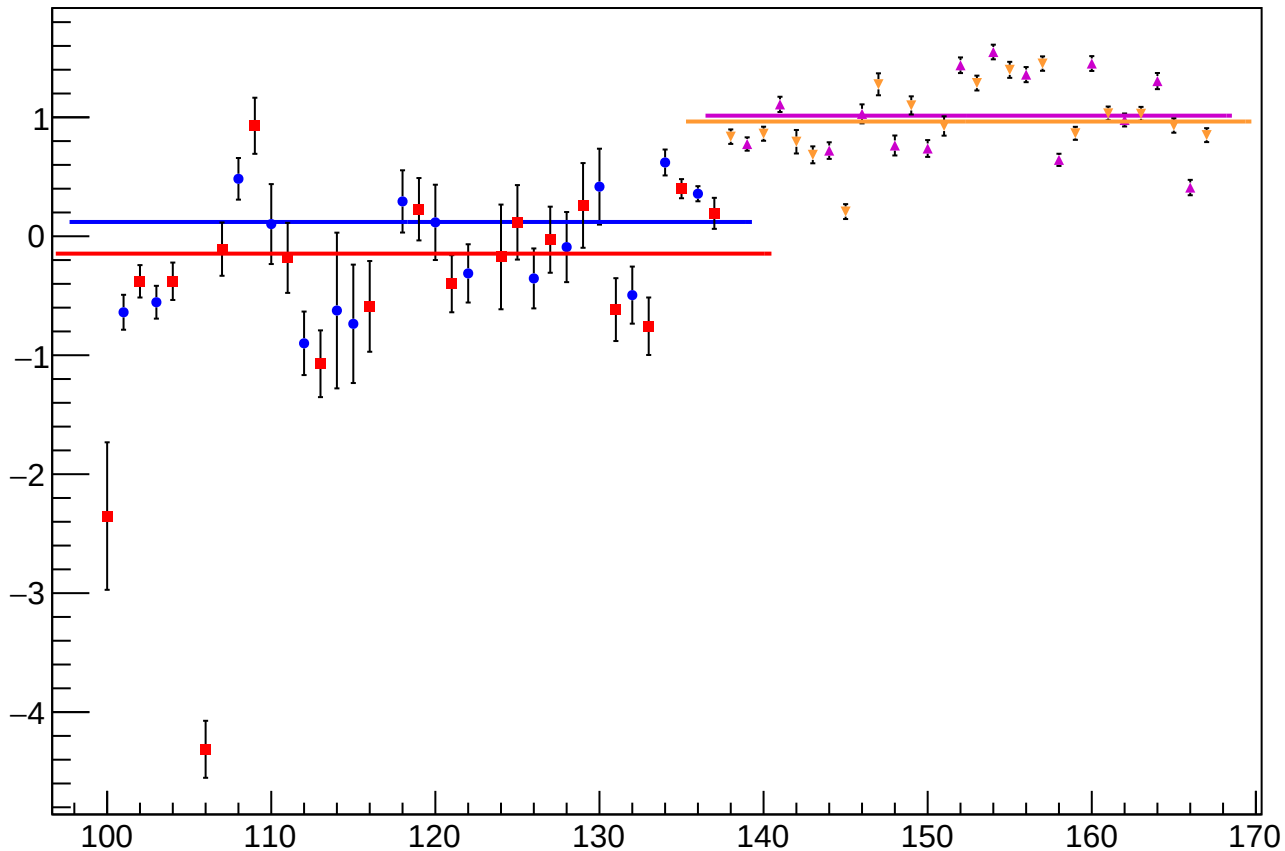
Left In: -110.591 ± 0.382 χ^2/NDF : 1610.3/13

+ sign -109.914 ± 0.326 χ^2/NDF : 2402.4/31

All: -109.188 ± 0.238 χ^2/NDF : 5459.9/64

- sign -108.360 ± 0.348 χ^2/NDF : 3046.8/32

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120 ± 0.041 χ^2/NDF : 123.9/15

Left Out: 0.965 ± 0.016 χ^2/NDF : 330.1/15

Right Out: -0.146 ± 0.045 χ^2/NDF : 421.0/18

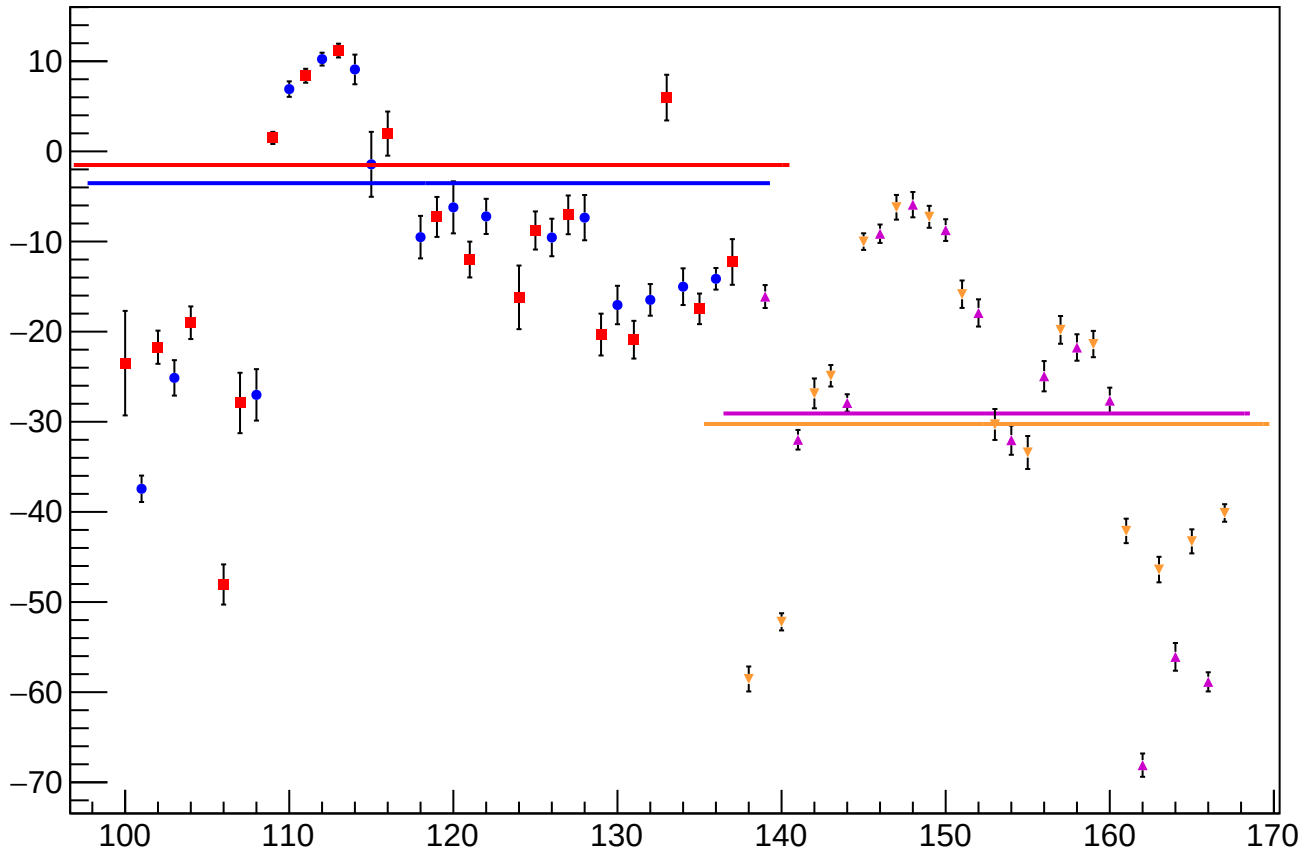
Left In: 1.014 ± 0.017 χ^2/NDF : 415.9/13

+ sign 0.851 ± 0.015 χ^2/NDF : 817.3/31

All: 0.859 ± 0.011 χ^2/NDF : 2238.2/64

- sign 0.867 ± 0.016 χ^2/NDF : 1420.4/32

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527 ± 0.377 χ^2/NDF : 1529.1/15

Left Out: -30.244 ± 0.321 χ^2/NDF : 2701.3/15

Right Out: -1.513 ± 0.338 χ^2/NDF : 1524.7/18

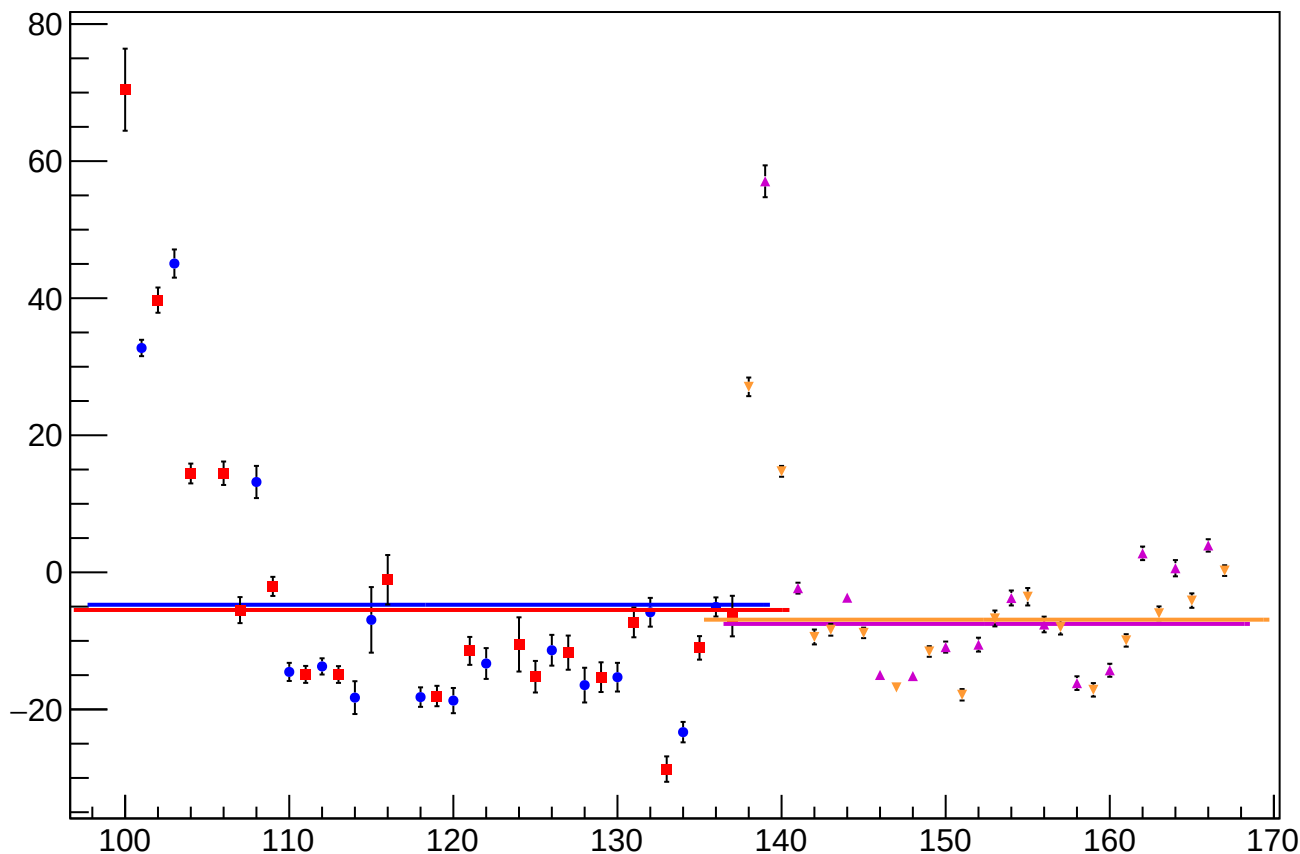
Left In: -29.079 ± 0.339 χ^2/NDF : 3144.8/13

+ sign -19.006 ± 0.244 χ^2/NDF : 7143.6/31

All: -17.108 ± 0.171 χ^2/NDF : 15245.8/64

- sign -15.286 ± 0.239 χ^2/NDF : 7984.0/32

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729 ± 0.431 χ^2/NDF : 2148.0/15

Left Out: -6.907 ± 0.226 χ^2/NDF : 2059.6/15

Right Out: -5.491 ± 0.422 χ^2/NDF : 1508.6/18

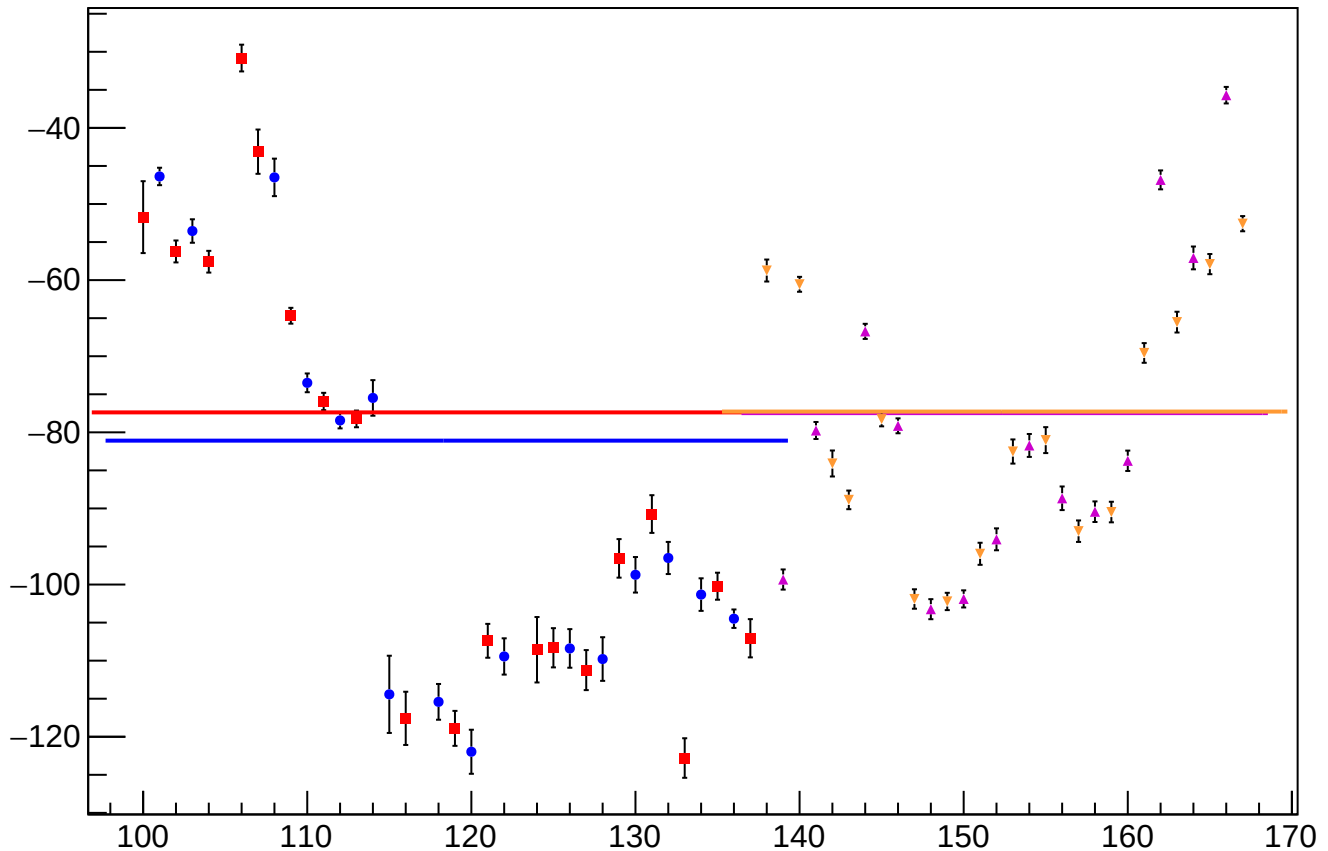
Left In: -7.524 ± 0.237 χ^2/NDF : 1600.4/13

+ sign -6.437 ± 0.200 χ^2/NDF : 4227.6/31

All: -6.728 ± 0.144 χ^2/NDF : 7358.6/64

- sign -7.037 ± 0.207 χ^2/NDF : 3126.6/32

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091 ± 0.438 χ^2/NDF : 2870.3/15

Left Out: -77.272 ± 0.316 χ^2/NDF : 2752.5/15

Right Out: -77.379 ± 0.417 χ^2/NDF : 3129.7/18

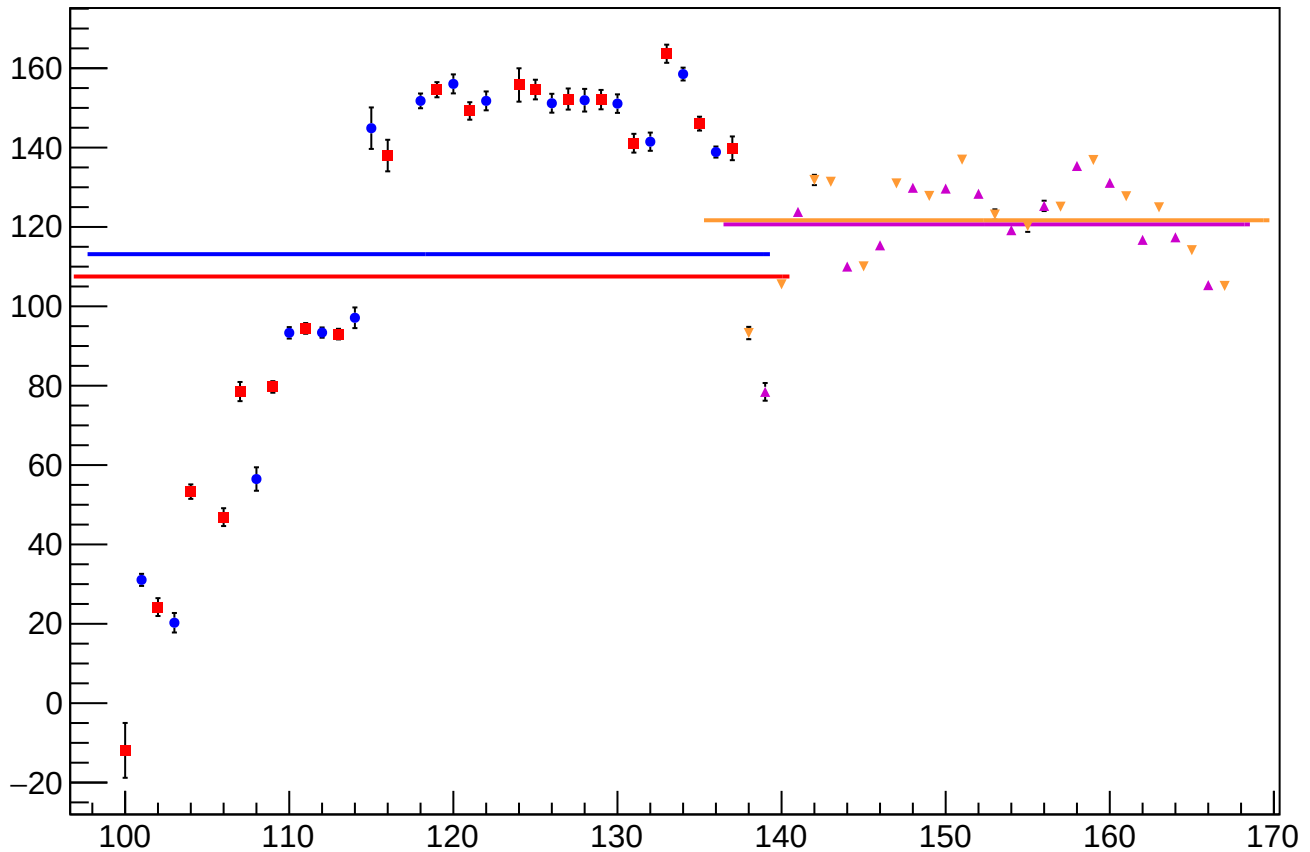
Left In: -77.475 ± 0.330 χ^2/NDF : 3832.2/13

+ sign -78.578 ± 0.256 χ^2/NDF : 5672.8/31

All: -78.013 ± 0.182 χ^2/NDF : 12644.5/64

- sign -77.438 ± 0.259 χ^2/NDF : 6961.9/32

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: 121.686 $\pm$ 0.262 χ^2 /NDF: 2011.8/15

Right Out: 107.515 $\pm$ 0.479 χ^2 /NDF: 7544.0/18

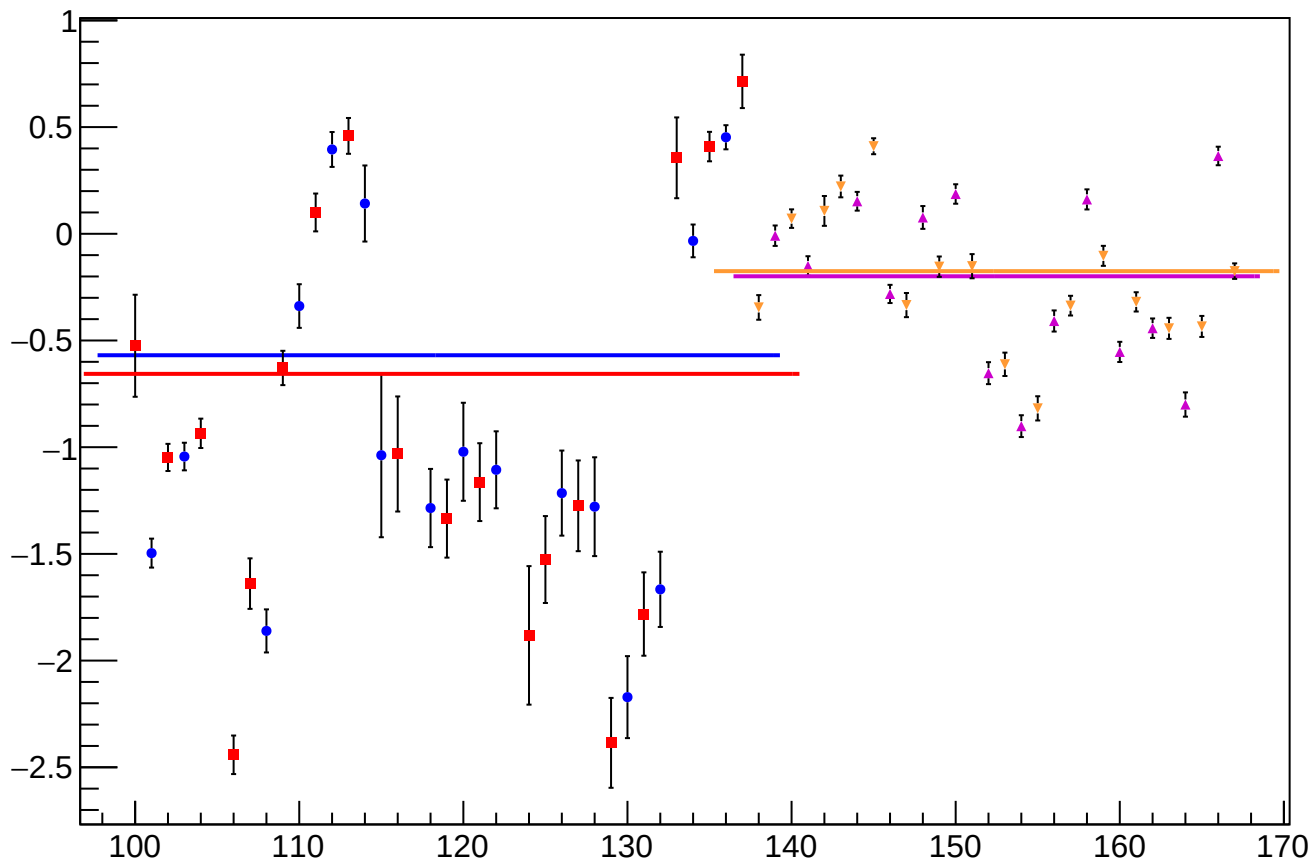
Left In: 120.657 $\pm$ 0.275 χ^2 /NDF: 1399.3/13

+ sign 119.776 $\pm$ 0.231 χ^2 /NDF: 10452.9/31

All: 118.625 $\pm$ 0.166 χ^2 /NDF: 20012.7/64

- sign 117.398 $\pm$ 0.239 χ^2 /NDF: 9508.6/32

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569 ± 0.026 $\chi^2/\text{NDF}: 1097.4/15$

Left Out: -0.175 ± 0.012 $\chi^2/\text{NDF}: 644.8/15$

Right Out: -0.656 ± 0.025 $\chi^2/\text{NDF}: 1315.2/18$

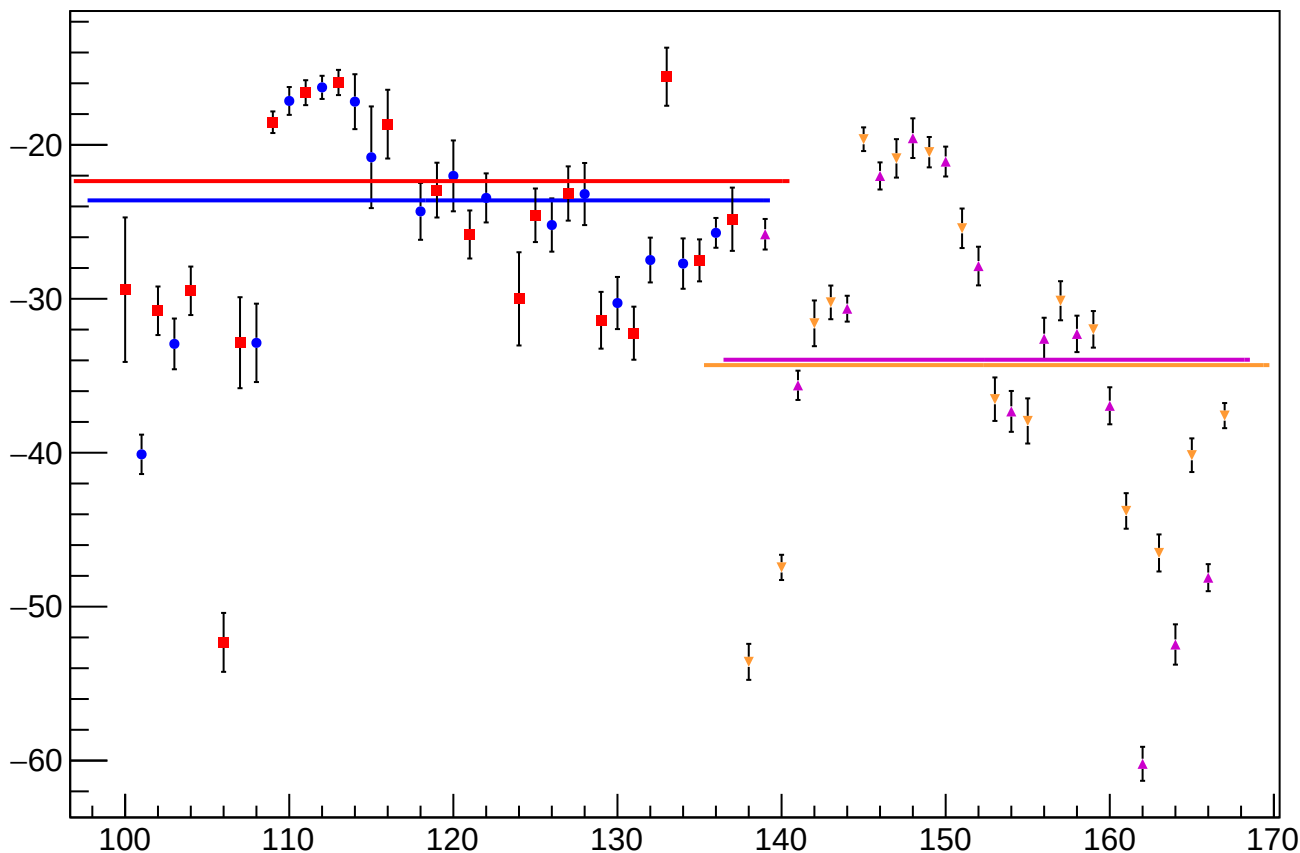
Left In: -0.199 ± 0.013 $\chi^2/\text{NDF}: 890.3/13$

+ sign -0.246 ± 0.011 $\chi^2/\text{NDF}: 1933.6/31$

All: -0.268 ± 0.008 $\chi^2/\text{NDF}: 4409.9/64$

- sign -0.292 ± 0.011 $\chi^2/\text{NDF}: 2468.0/32$

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607 ± 0.348 χ^2/NDF : 406.4/15

Left Out: -34.308 ± 0.272 χ^2/NDF : 1507.6/15

Right Out: -22.354 ± 0.322 χ^2/NDF : 551.7/18

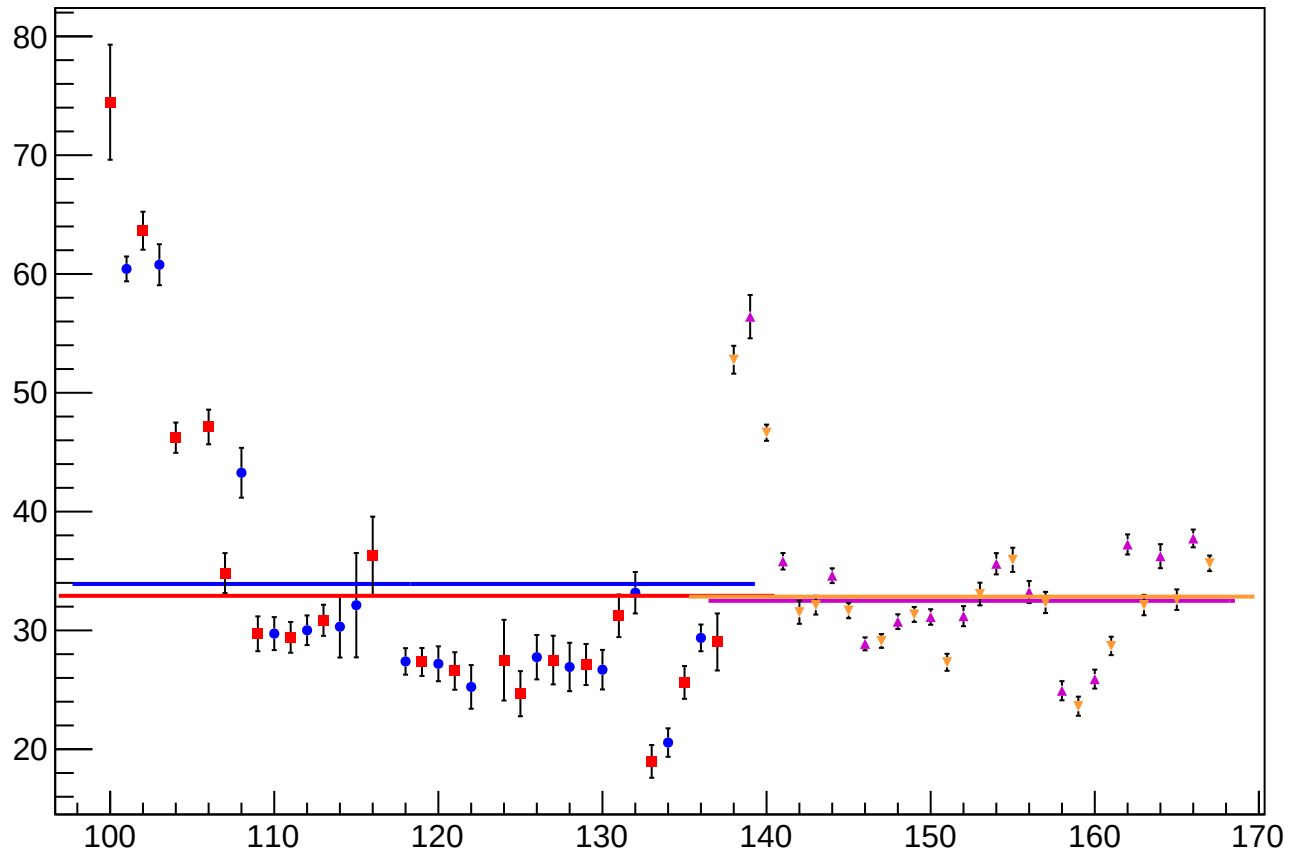
Left In: -33.959 ± 0.285 χ^2/NDF : 1634.0/13

+ sign -30.259 ± 0.214 χ^2/NDF : 2500.8/31

All: -29.557 ± 0.151 χ^2/NDF : 5437.3/64

- sign -28.862 ± 0.213 χ^2/NDF : 2915.1/32

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909 ± 0.375 $\chi^2/\text{NDF}: 1184.4/15$

Left Out: 32.843 ± 0.193 $\chi^2/\text{NDF}: 998.5/15$

Right Out: 32.911 ± 0.373 $\chi^2/\text{NDF}: 875.0/18$

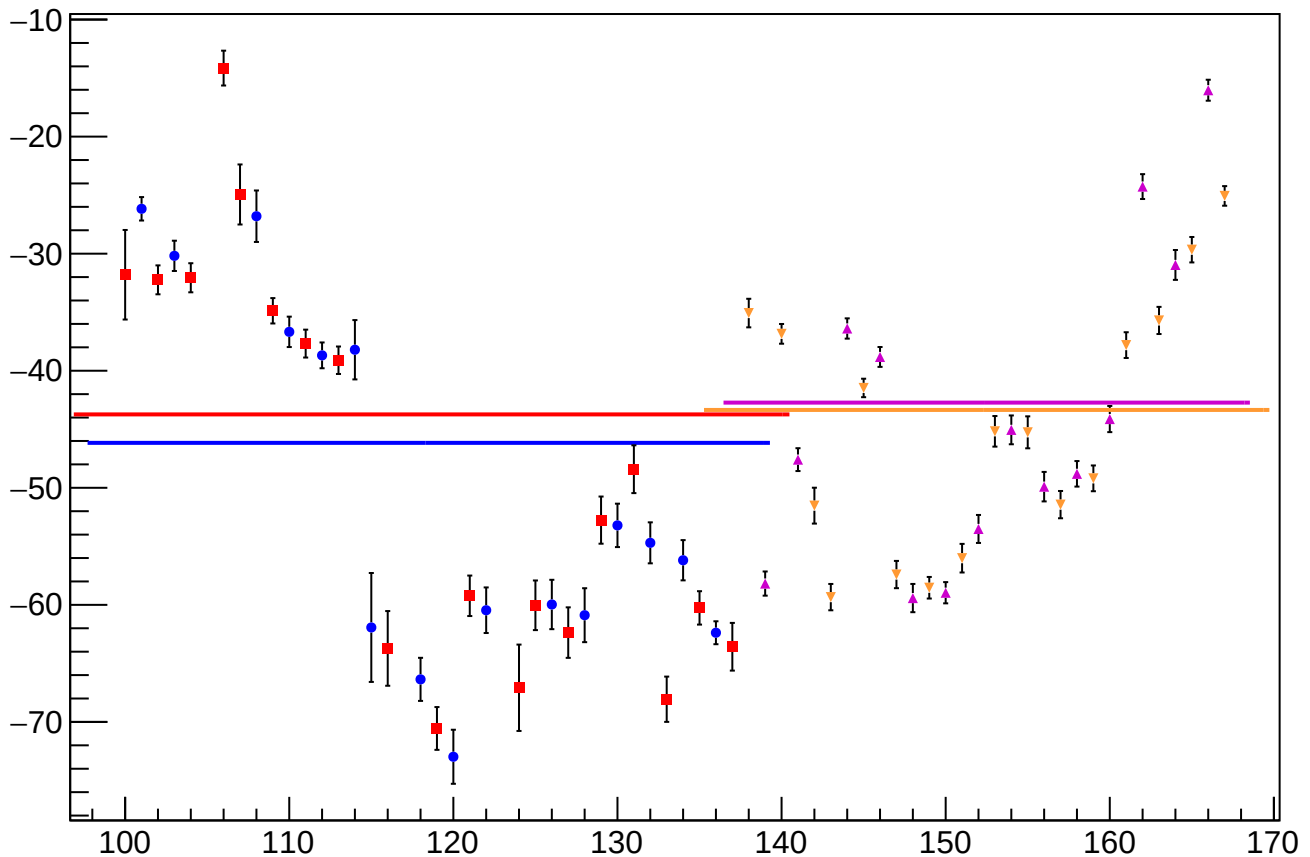
Left In: 32.493 ± 0.203 $\chi^2/\text{NDF}: 529.7/13$

+ sign 33.066 ± 0.172 $\chi^2/\text{NDF}: 2189.3/31$

All: 32.836 ± 0.124 $\chi^2/\text{NDF}: 3598.7/64$

- sign 32.588 ± 0.178 $\chi^2/\text{NDF}: 1405.6/32$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160 ± 0.390 $\chi^2/\text{NDF}: 1489.6/15$

Left Out: -43.349 ± 0.267 $\chi^2/\text{NDF}: 1651.4/15$

Right Out: -43.730 ± 0.378 $\chi^2/\text{NDF}: 1663.4/18$

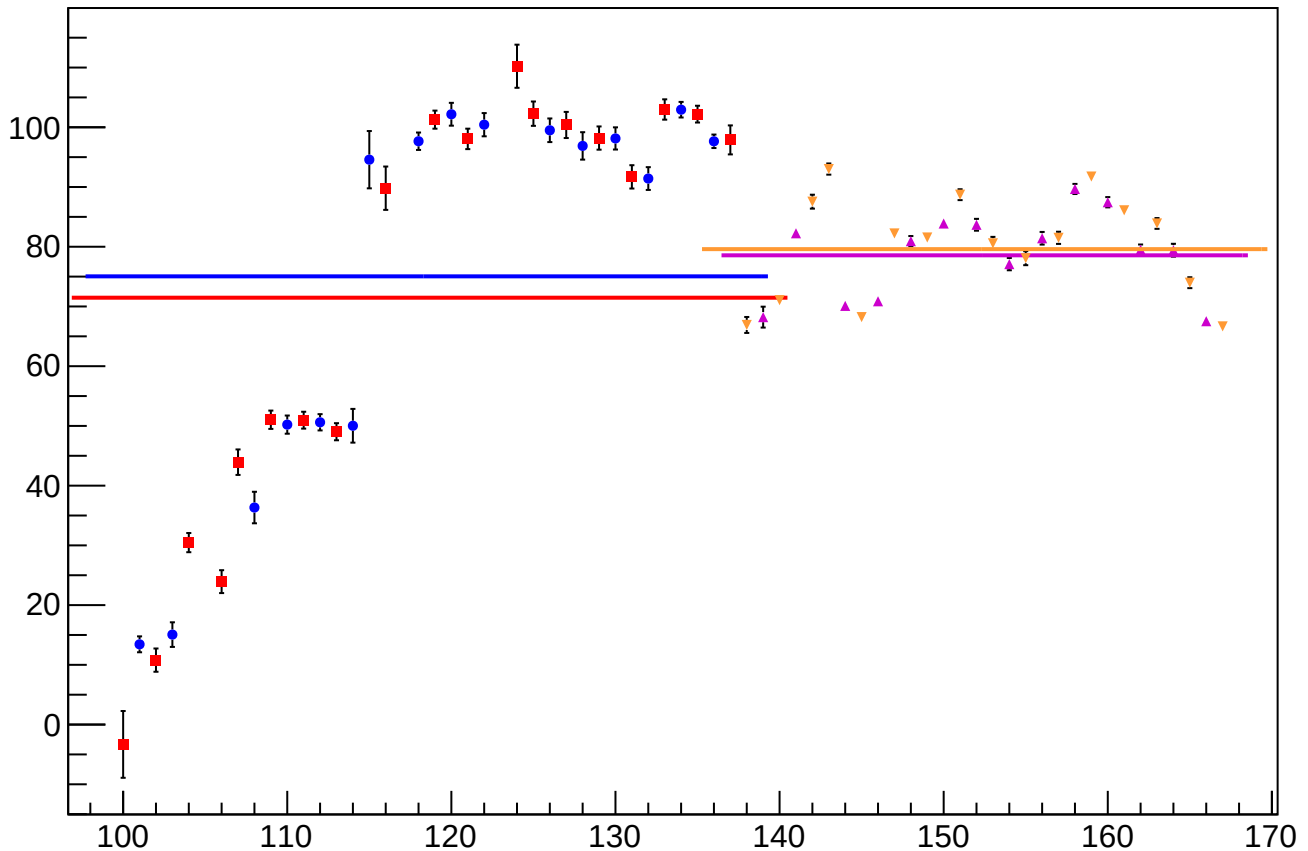
Left In: -42.723 ± 0.277 $\chi^2/\text{NDF}: 2260.3/13$

+ sign -44.247 ± 0.220 $\chi^2/\text{NDF}: 3176.4/31$

All: -43.670 ± 0.157 $\chi^2/\text{NDF}: 7118.6/64$

- sign -43.075 ± 0.224 $\chi^2/\text{NDF}: 3928.3/32$

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: 79.599 $\pm$ 0.223 χ^2 /NDF: 1472.0/15

Right Out: 71.468 $\pm$ 0.426 χ^2 /NDF: 5628.2/18

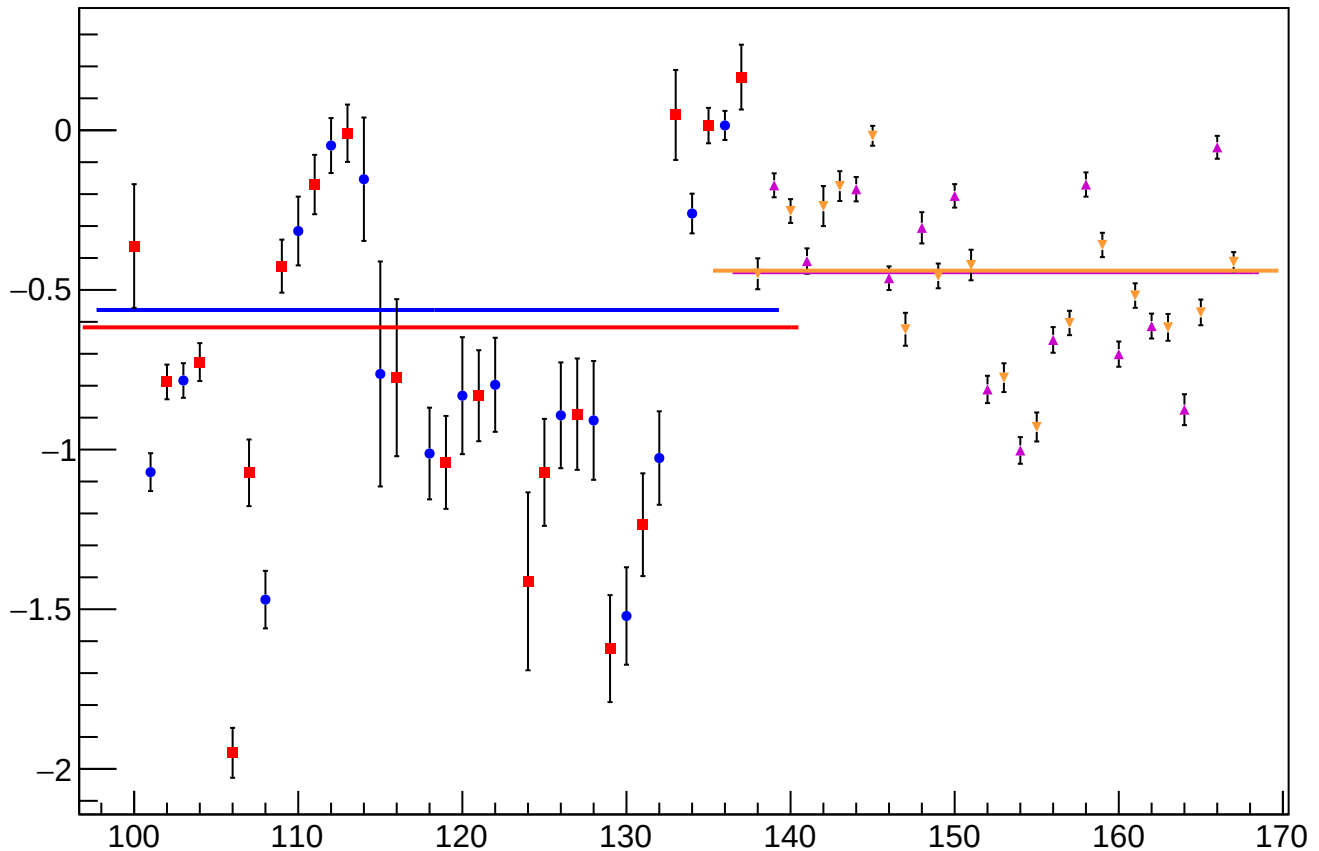
Left In: 78.564 $\pm$ 0.234 χ^2 /NDF: 886.2/13

+ sign 78.624 $\pm$ 0.198 χ^2 /NDF: 7389.6/31

All: 77.803 $\pm$ 0.142 χ^2 /NDF: 14153.3/64

- sign 76.922 $\pm$ 0.205 χ^2 /NDF: 6727.9/32

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563 ± 0.022 χ^2/NDF : 493.0/15

Left Out: -0.440 ± 0.010 χ^2/NDF : 491.6/15

Right Out: -0.617 ± 0.022 χ^2/NDF : 690.0/18

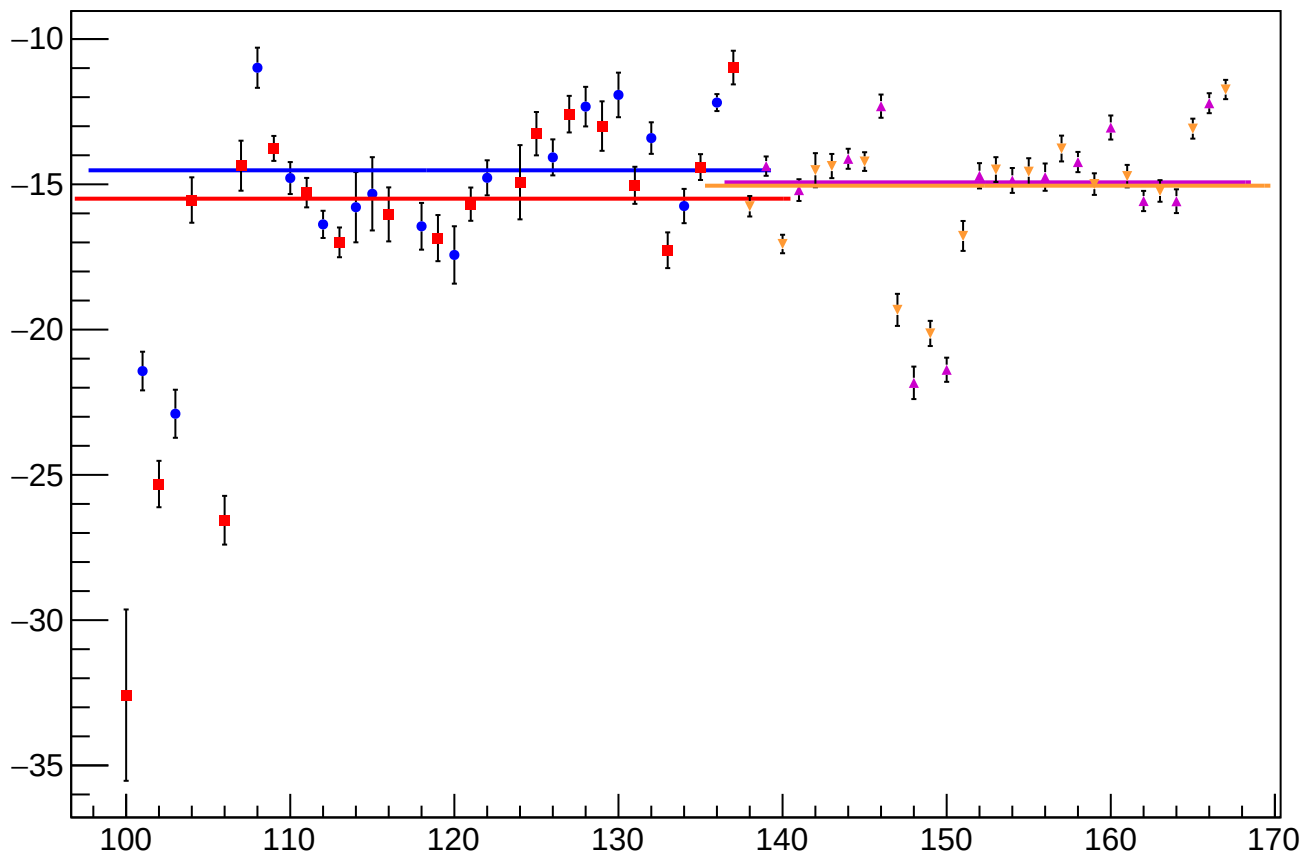
Left In: -0.445 ± 0.011 χ^2/NDF : 742.0/13

+ sign -0.461 ± 0.009 χ^2/NDF : 1010.0/31

All: -0.469 ± 0.007 χ^2/NDF : 2492.7/64

- sign -0.477 ± 0.010 χ^2/NDF : 1481.2/32

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518 ± 0.149 χ^2/NDF : 363.3/15

Left Out: -15.047 ± 0.099 χ^2/NDF : 407.3/15

Right Out: -15.494 ± 0.150 χ^2/NDF : 503.8/18

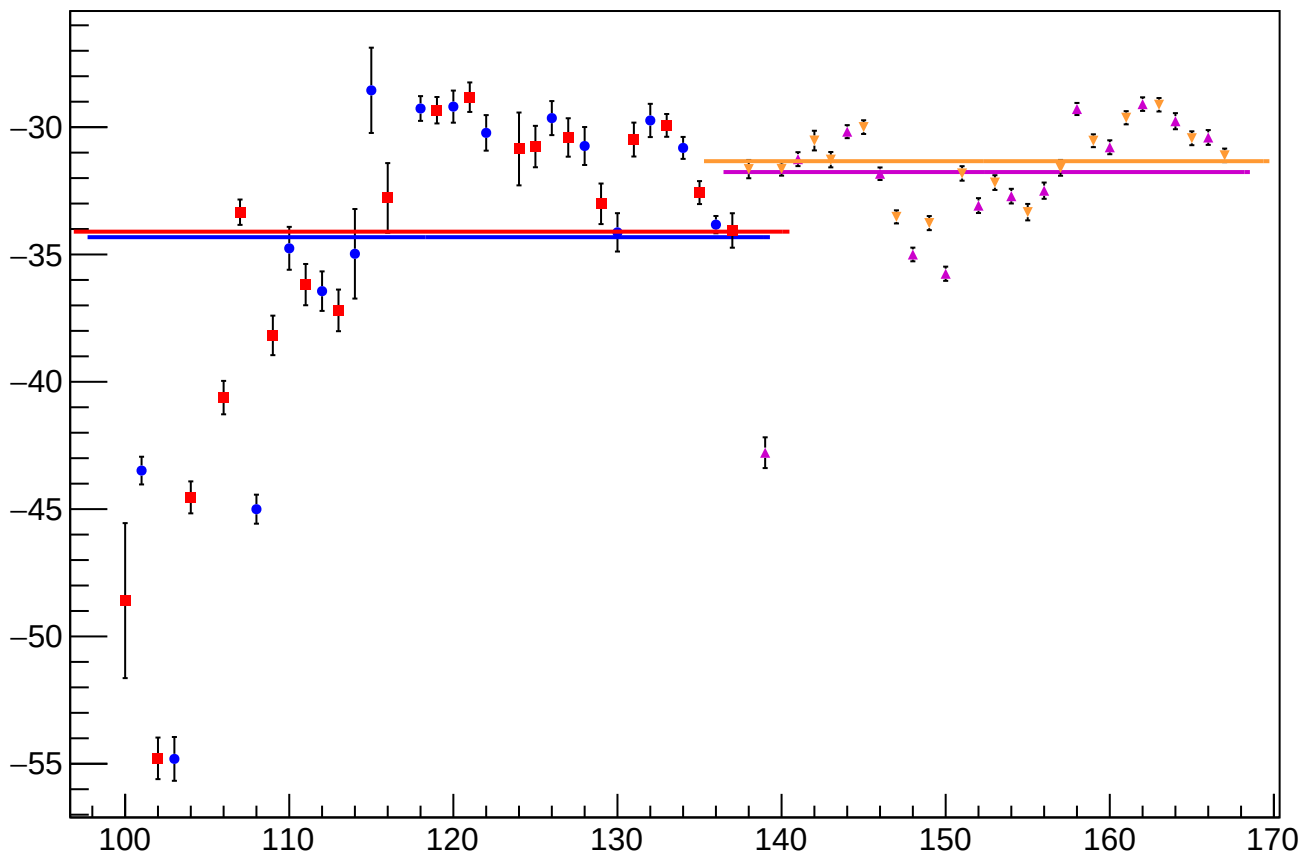
Left In: -14.932 ± 0.104 χ^2/NDF : 538.9/13

+ sign -14.886 ± 0.082 χ^2/NDF : 779.3/31

All: -14.996 ± 0.059 χ^2/NDF : 1835.3/64

- sign -15.115 ± 0.086 χ^2/NDF : 1052.2/32

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: -31.336 ± 0.071 $\chi^2/\text{NDF}: 366.0/15$

Right Out: -34.104 ± 0.154 $\chi^2/\text{NDF}: 1434.8/18$

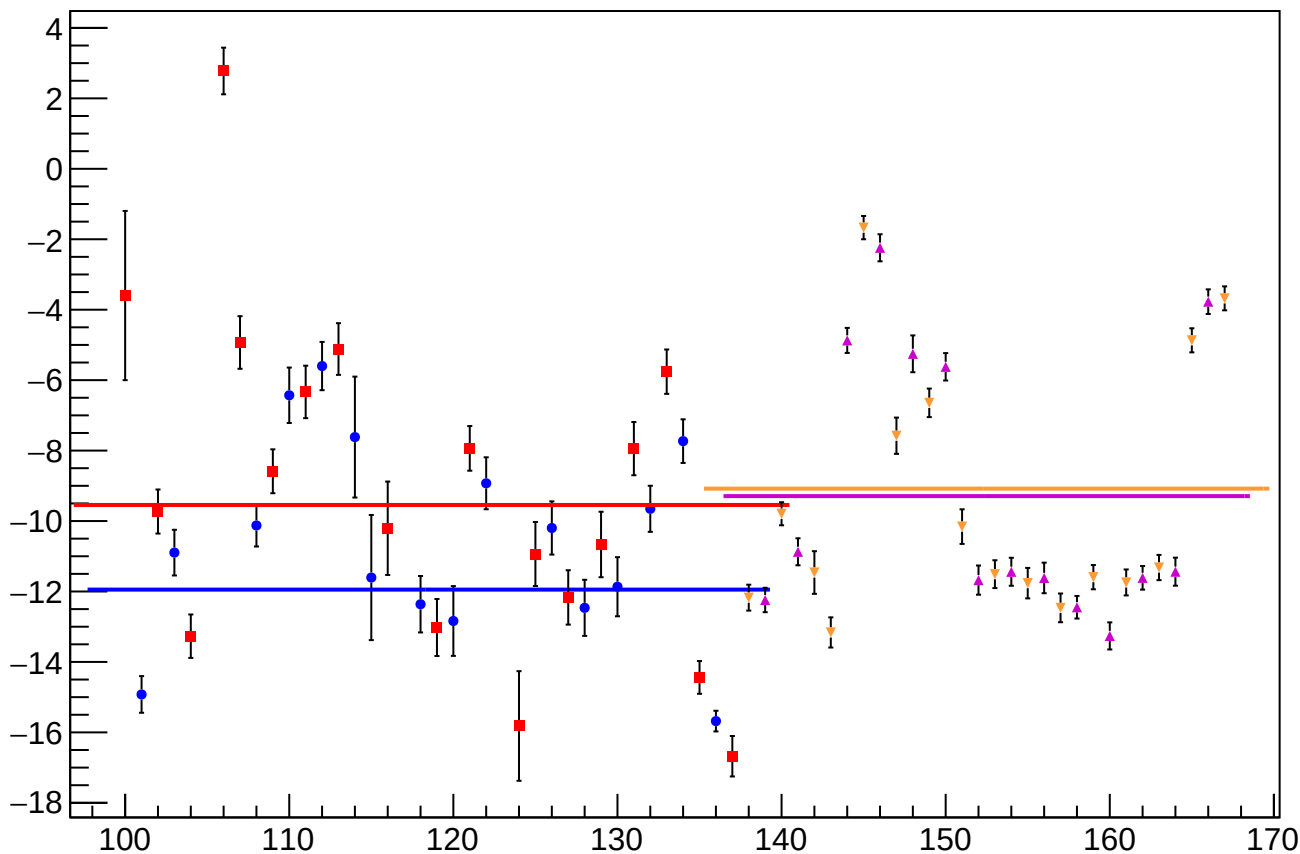
Left In: -31.763 ± 0.076 $\chi^2/\text{NDF}: 1043.0/13$

+ sign -31.864 ± 0.064 $\chi^2/\text{NDF}: 2298.8/31$

All: -32.031 ± 0.047 $\chi^2/\text{NDF}: 4976.7/64$

- sign -32.217 ± 0.068 $\chi^2/\text{NDF}: 2663.7/32$

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: -9.079 ± 0.097 χ^2/NDF : 1429.9/15

Right Out: -9.544 ± 0.165 χ^2/NDF : 847.1/18

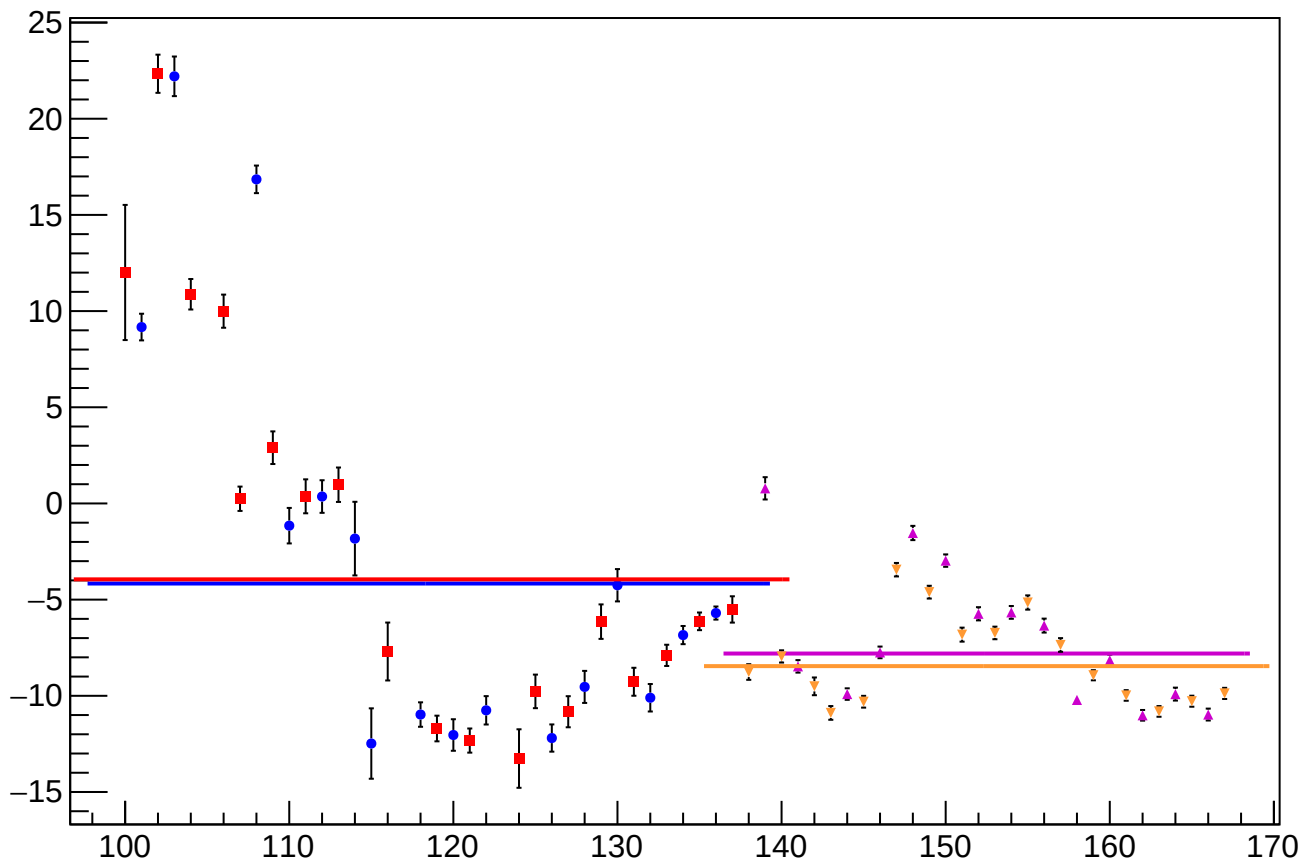
Left In: -9.292 ± 0.101 χ^2/NDF : 1350.1/13

+ sign -9.847 ± 0.083 χ^2/NDF : 2094.7/31

All: -9.614 ± 0.060 χ^2/NDF : 4310.1/64

- sign -9.361 ± 0.086 χ^2/NDF : 2198.9/32

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: -8.457 ± 0.081 χ^2/NDF : 736.1/15

Right Out: -3.947 ± 0.176 χ^2/NDF : 2110.2/18

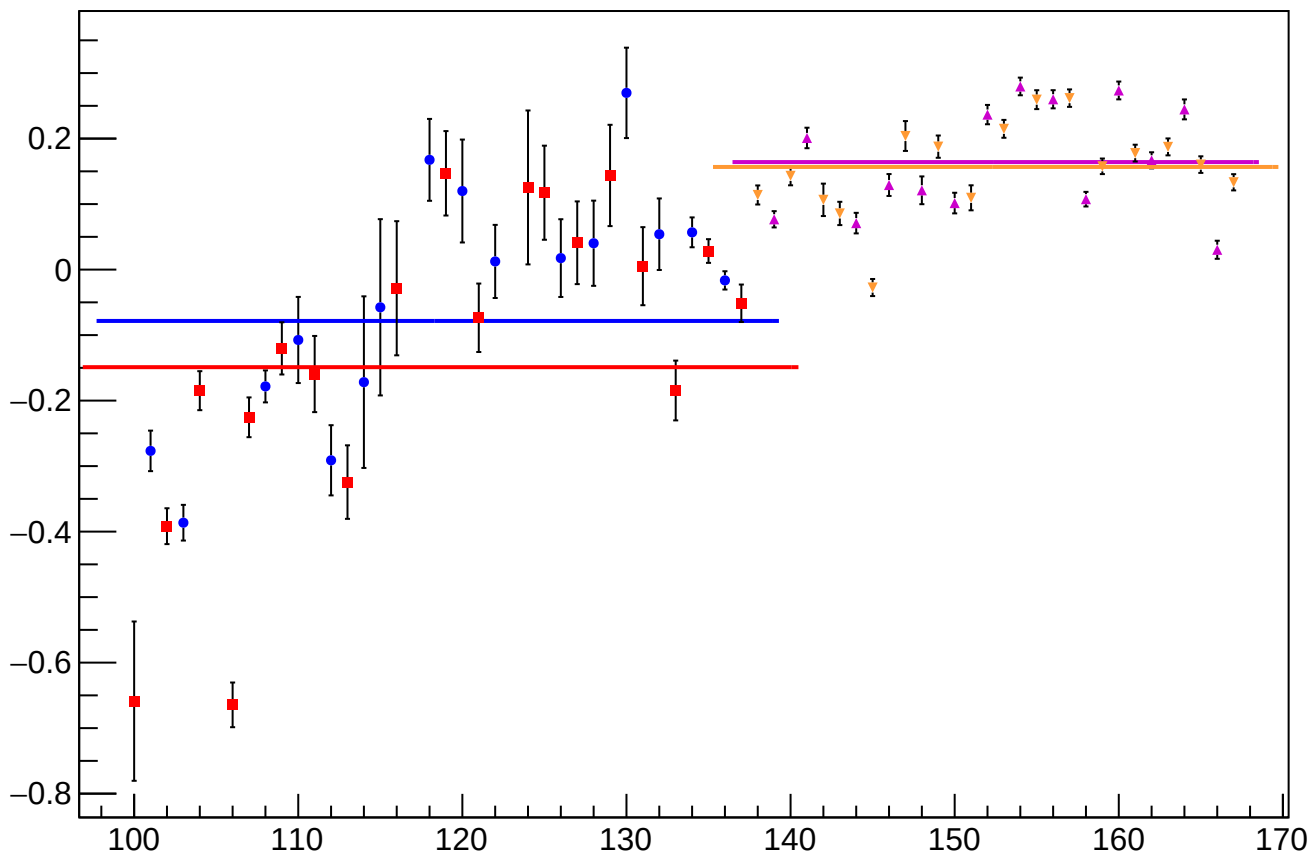
Left In: -7.803 ± 0.086 χ^2/NDF : 1249.5/13

+ sign -7.678 ± 0.073 χ^2/NDF : 3771.8/31

All: -7.387 ± 0.053 χ^2/NDF : 7552.8/64

- sign -7.064 ± 0.077 χ^2/NDF : 3747.6/32

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: 0.157 ± 0.004 χ^2/NDF : 385.6/15

Right Out: -0.149 ± 0.009 χ^2/NDF : 524.8/18

Left In: 0.164 ± 0.004 χ^2/NDF : 472.2/13

+ sign 0.121 ± 0.003 χ^2/NDF : 1342.4/31

All: 0.119 ± 0.002 χ^2/NDF : 3353.1/64

- sign 0.117 ± 0.004 χ^2/NDF : 2010.2/32

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: 3.673 ± 0.095 χ^2/NDF : 395.6/15

Right Out: -1.903 ± 0.128 χ^2/NDF : 1331.8/18

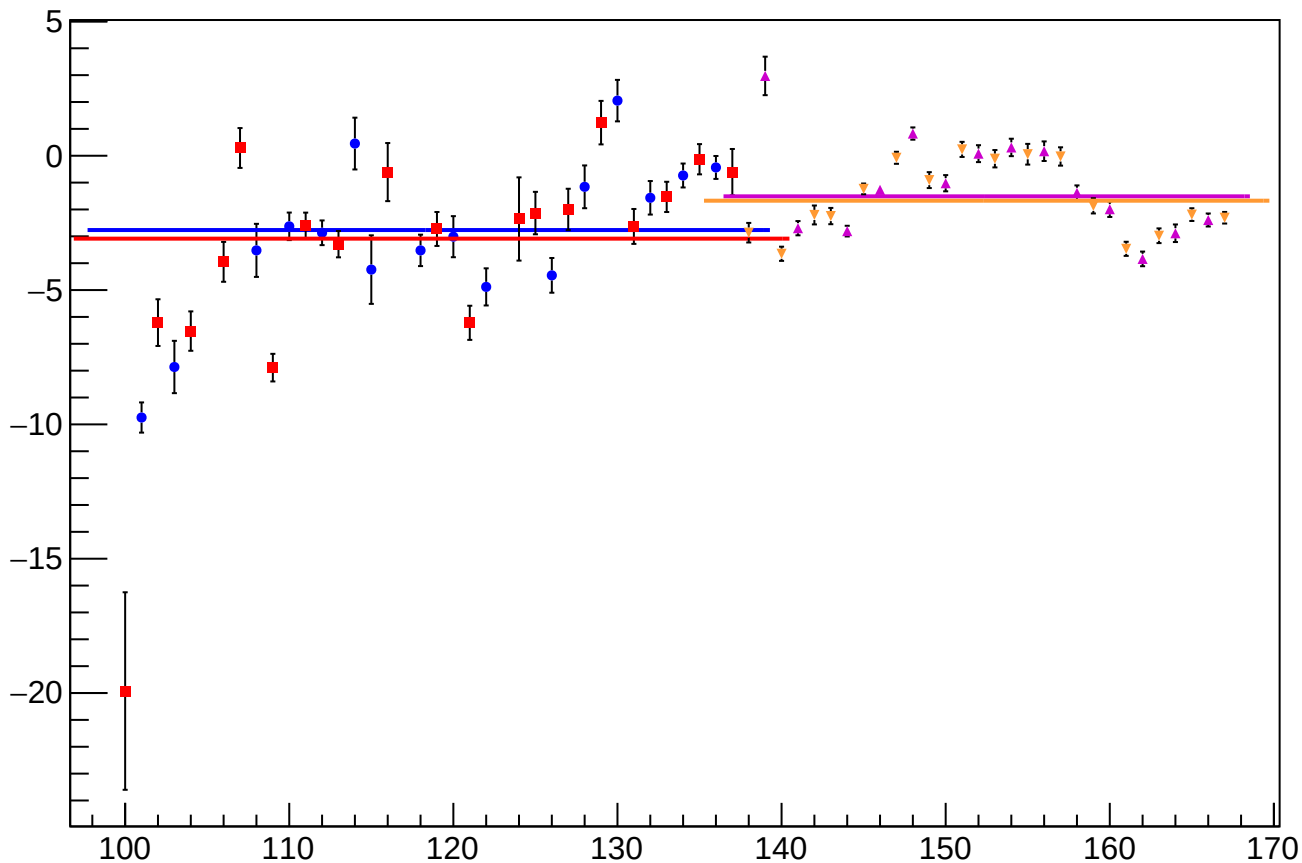
Left In: 3.520 ± 0.102 χ^2/NDF : 601.0/13

+ sign 2.177 ± 0.078 χ^2/NDF : 1525.7/31

All: 1.811 ± 0.056 χ^2/NDF : 4600.4/64

- sign 1.430 ± 0.080 χ^2/NDF : 3030.0/32

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: -1.673 ± 0.068 χ^2/NDF : 330.6/15

Right Out: -3.086 ± 0.158 χ^2/NDF : 272.5/18

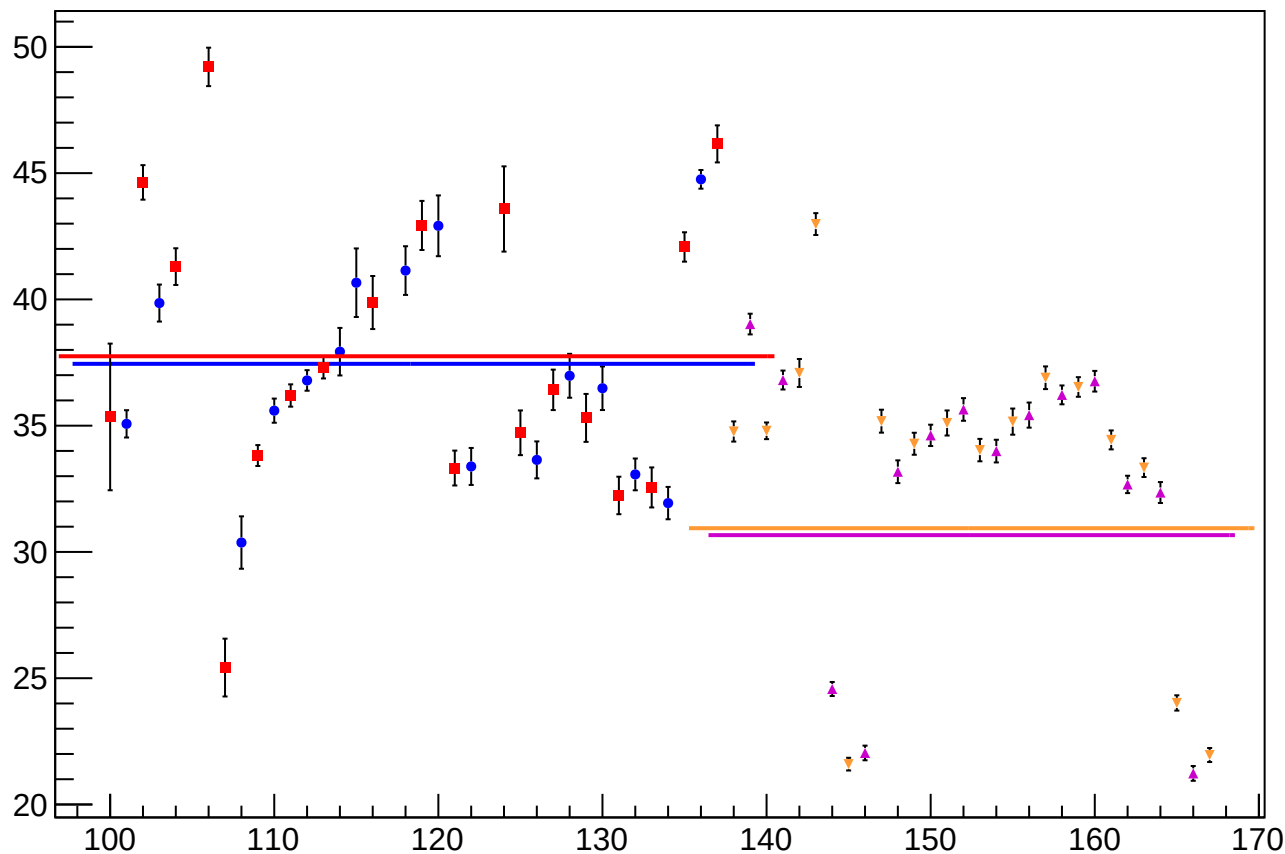
Left In: -1.511 ± 0.072 χ^2/NDF : 395.6/13

+ sign -1.849 ± 0.063 χ^2/NDF : 681.7/31

All: -1.816 ± 0.045 χ^2/NDF : 1433.2/64

- sign -1.780 ± 0.065 χ^2/NDF : 750.9/32

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449 ± 0.161 $\chi^2/\text{NDF}: 706.9/15$

Left Out: 30.940 ± 0.094 $\chi^2/\text{NDF}: 4908.9/15$

Right Out: 37.749 ± 0.159 $\chi^2/\text{NDF}: 963.6/18$

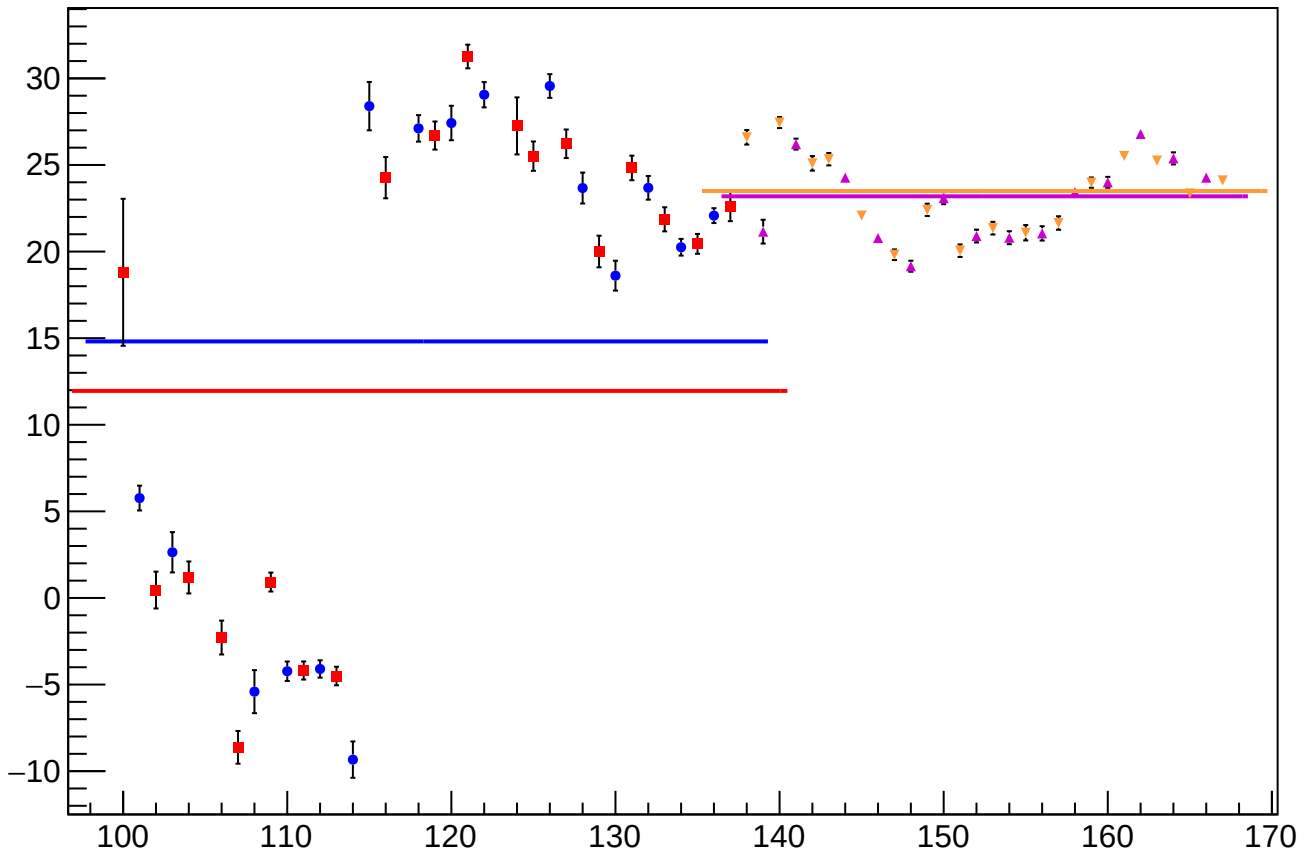
Left In: 30.665 ± 0.099 $\chi^2/\text{NDF}: 3971.7/13$

+ sign 32.606 ± 0.081 $\chi^2/\text{NDF}: 6836.2/31$

All: 32.624 ± 0.059 $\chi^2/\text{NDF}: 13194.6/64$

- sign 32.644 ± 0.084 $\chi^2/\text{NDF}: 6358.3/32$

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: 23.497 $\pm$ 0.078 χ^2 /NDF: 715.1/15

Right Out: 11.955 $\pm$ 0.177 χ^2 /NDF: 6105.5/18

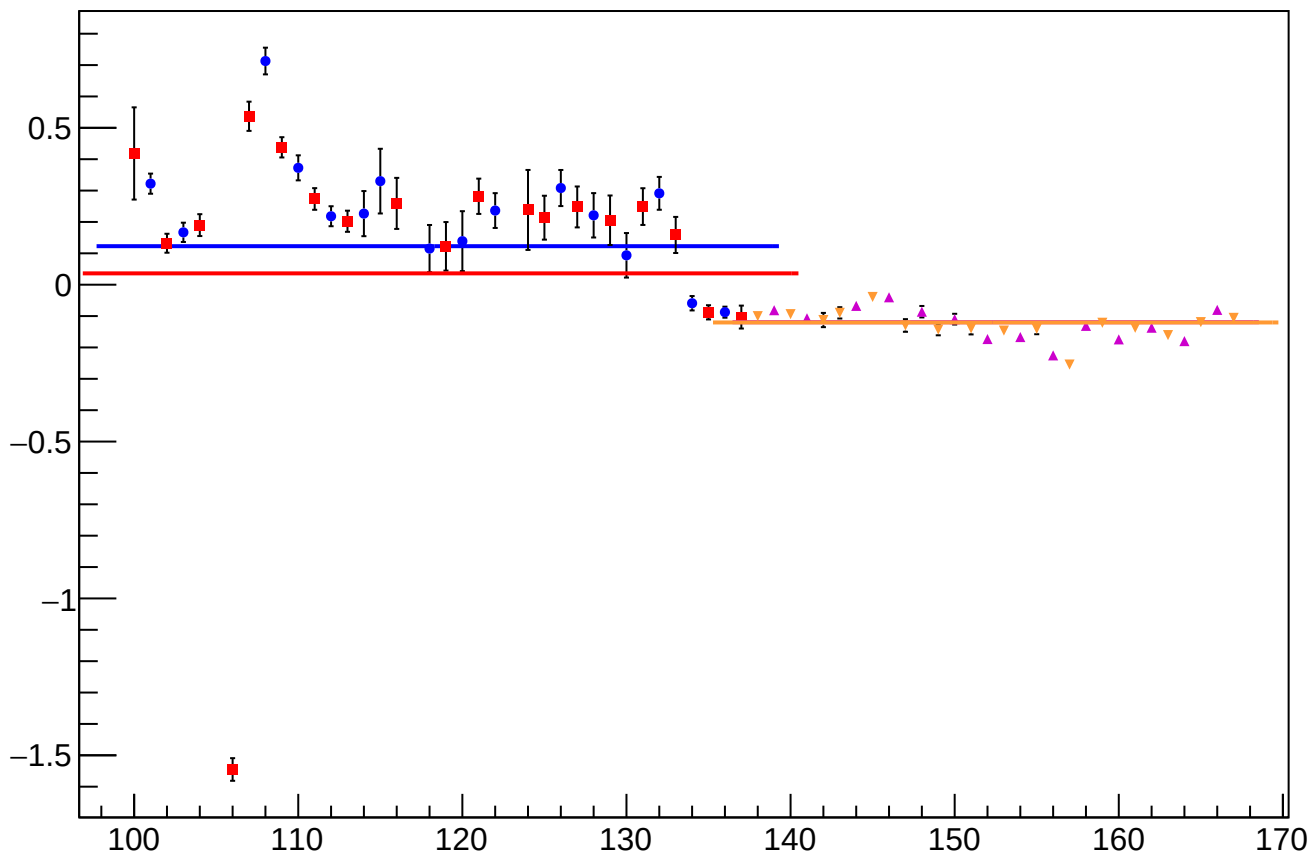
Left In: 23.190 $\pm$ 0.083 χ^2 /NDF: 730.4/13

+ sign 22.033 $\pm$ 0.071 χ^2 /NDF: 8475.7/31

All: 21.626 $\pm$ 0.052 χ^2 /NDF: 18694.3/64

- sign 21.179 $\pm$ 0.075 χ^2 /NDF: 10150.4/32

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.123 ± 0.009 χ^2/NDF : 520.0/15

Left Out: -0.120 ± 0.004 χ^2/NDF : 177.0/15

Right Out: 0.036 ± 0.010 χ^2/NDF : 2414.7/18

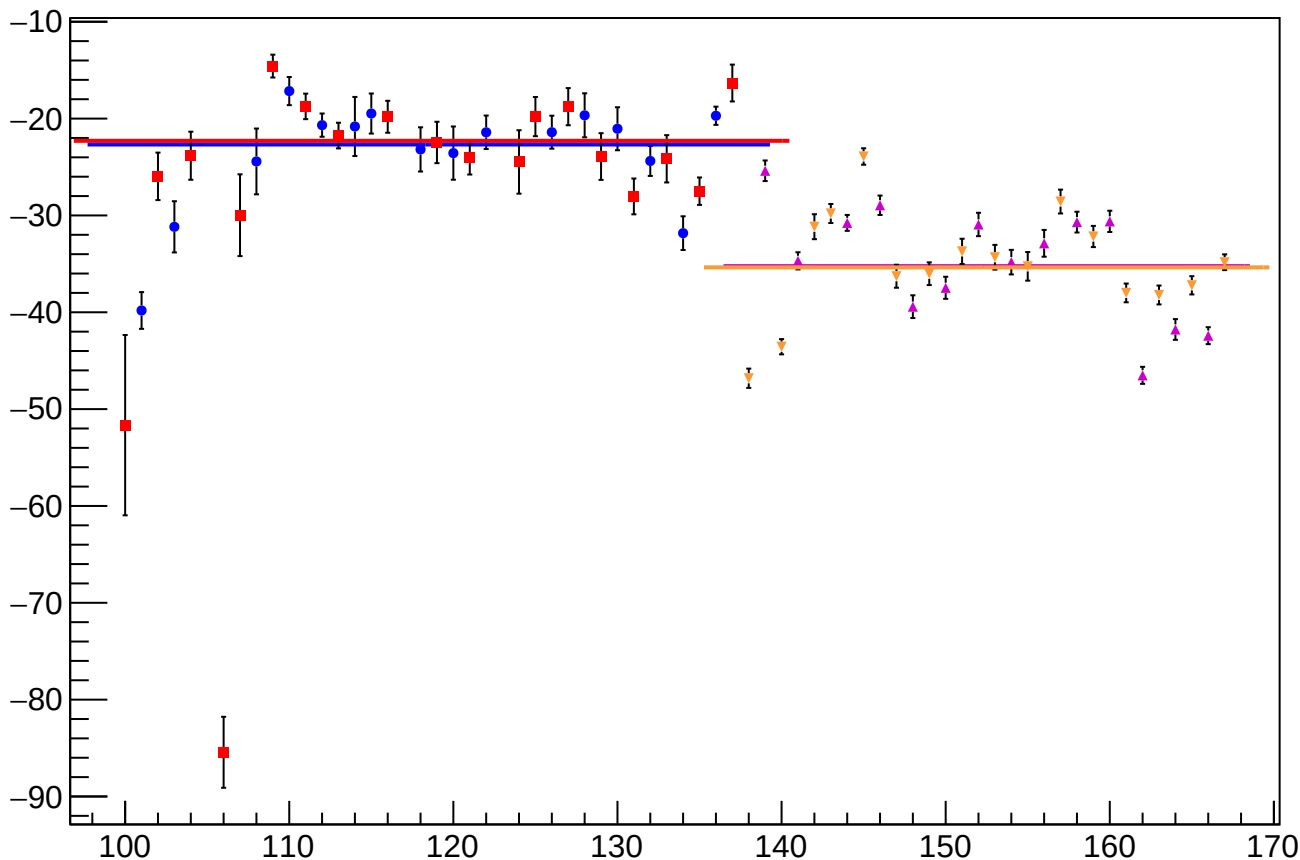
Left In: -0.120 ± 0.004 χ^2/NDF : 177.7/13

+ sign -0.090 ± 0.003 χ^2/NDF : 1280.8/31

All: -0.094 ± 0.002 χ^2/NDF : 4096.9/64

- sign -0.099 ± 0.004 χ^2/NDF : 2812.6/32

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: -35.363 ± 0.258 χ^2/NDF : 527.7/15

Right Out: -22.295 ± 0.435 χ^2/NDF : 405.5/18

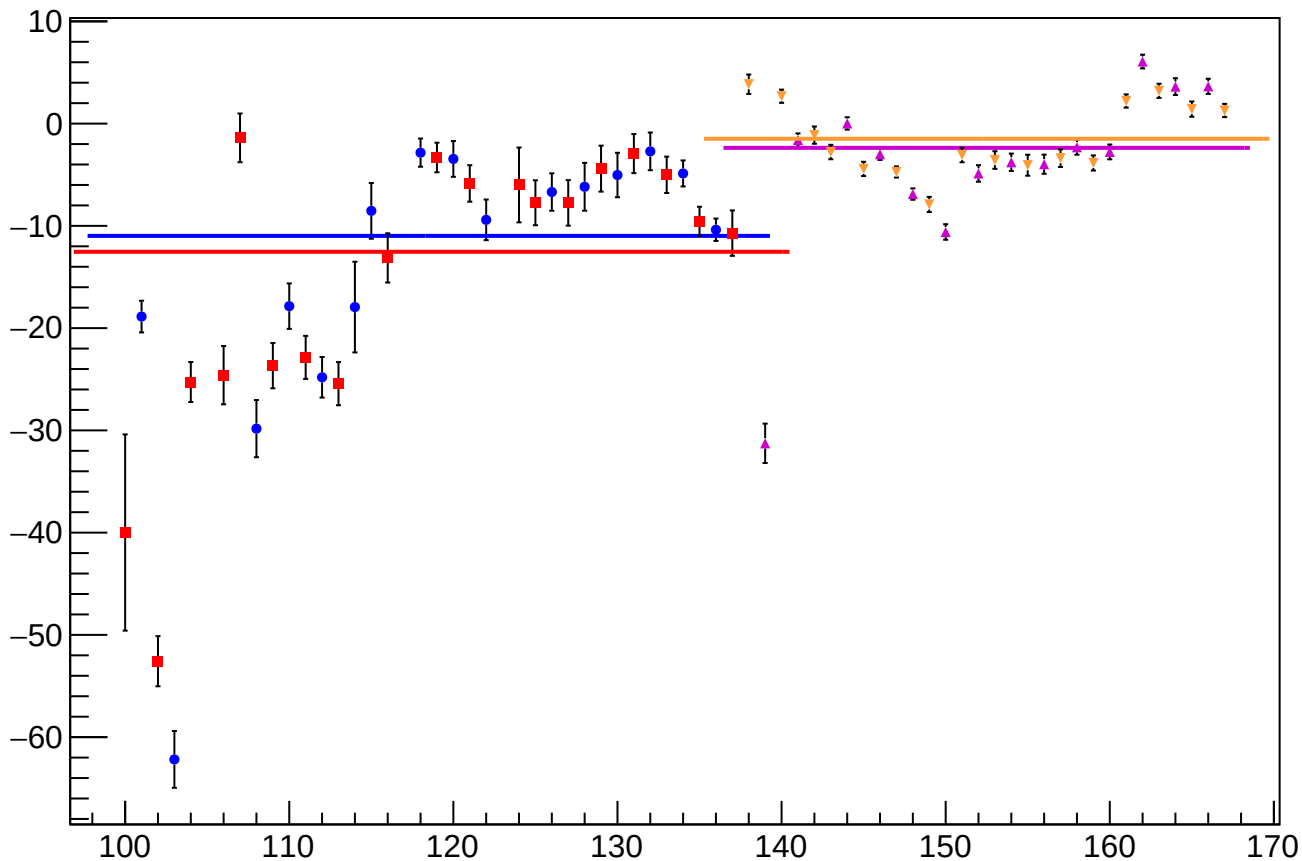
Left In: -35.235 ± 0.276 χ^2/NDF : 492.4/13

+ sign -32.052 ± 0.222 χ^2/NDF : 1312.3/31

All: -31.801 ± 0.161 χ^2/NDF : 2843.5/64

- sign -31.524 ± 0.233 χ^2/NDF : 1528.6/32

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978 ± 0.453 $\chi^2/\text{NDF}: 587.3/15$

Left Out: -1.483 ± 0.182 $\chi^2/\text{NDF}: 348.1/15$

Right Out: -12.533 ± 0.481 $\chi^2/\text{NDF}: 572.3/18$

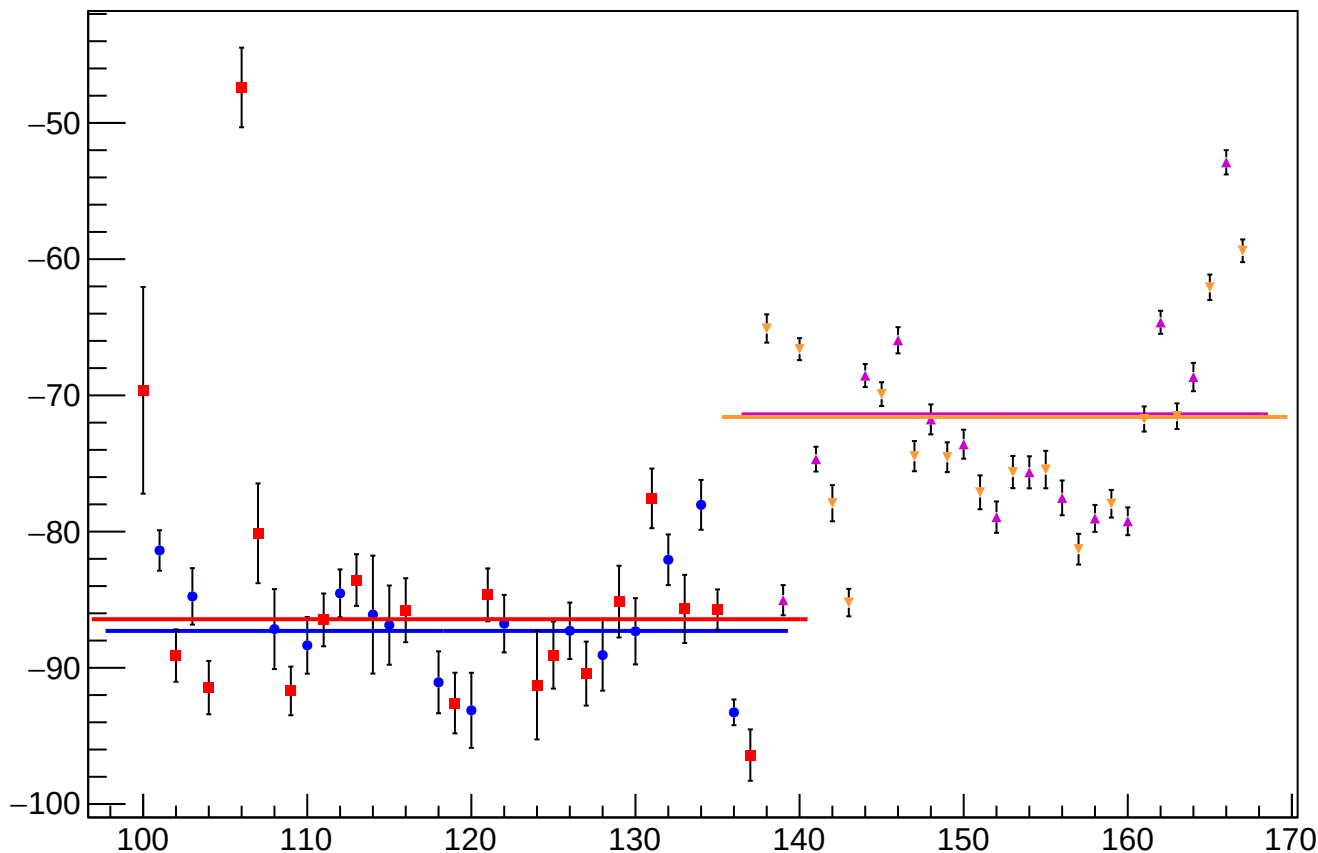
Left In: -2.370 ± 0.193 $\chi^2/\text{NDF}: 719.2/13$

+ sign -2.799 ± 0.169 $\chi^2/\text{NDF}: 1313.3/31$

All: -3.259 ± 0.123 $\chi^2/\text{NDF}: 3005.0/64$

- sign -3.778 ± 0.179 $\chi^2/\text{NDF}: 1675.9/32$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291 ± 0.481 χ^2/NDF : 101.2/15

Left Out: -71.584 ± 0.254 χ^2/NDF : 770.4/15

Right Out: -86.431 ± 0.506 χ^2/NDF : 264.8/18

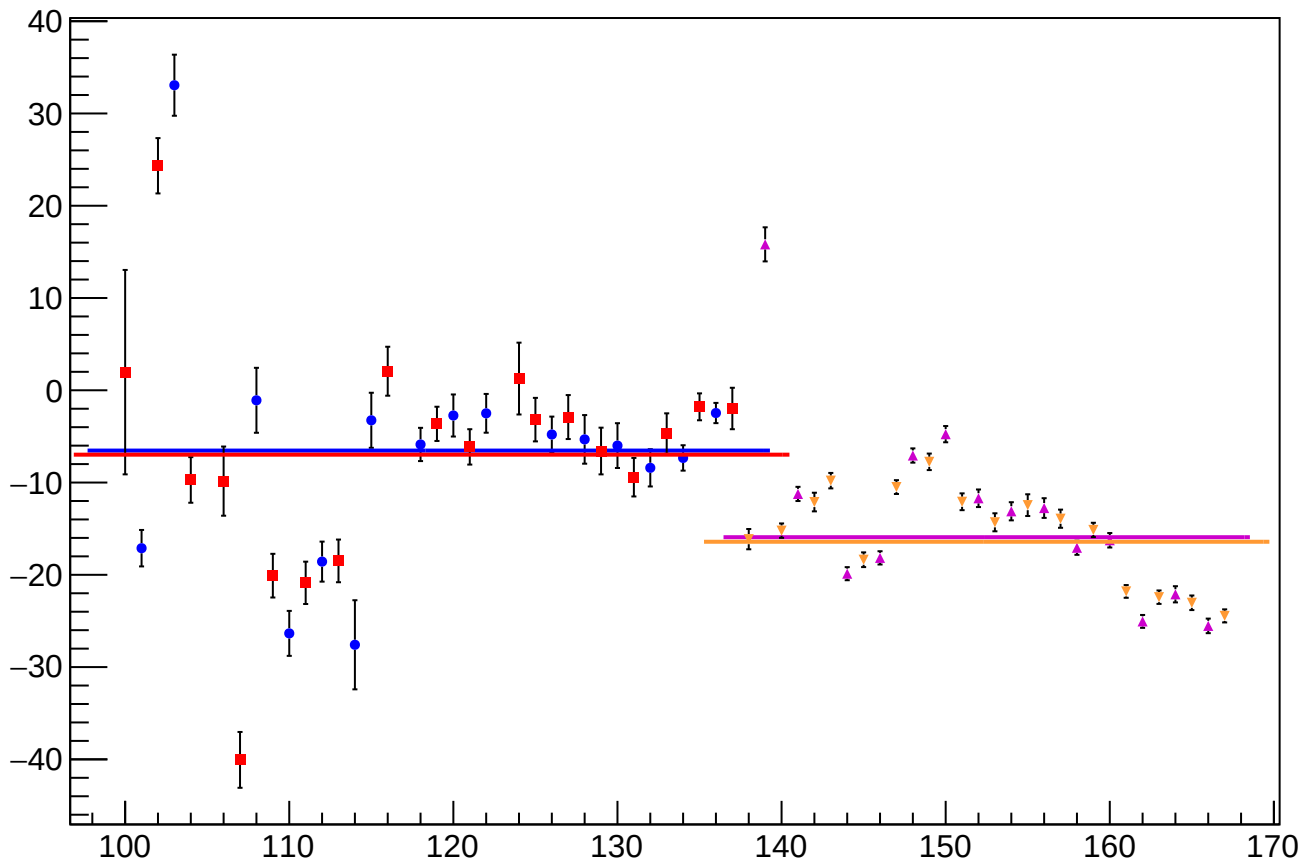
Left In: -71.393 ± 0.268 χ^2/NDF : 913.2/13

+ sign -75.014 ± 0.225 χ^2/NDF : 1706.5/31

All: -74.864 ± 0.163 χ^2/NDF : 3574.9/64

- sign -74.697 ± 0.237 χ^2/NDF : 1867.4/32

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: -16.417 ± 0.210 χ^2/NDF : 620.6/15

Right Out: -6.979 ± 0.542 χ^2/NDF : 368.3/18

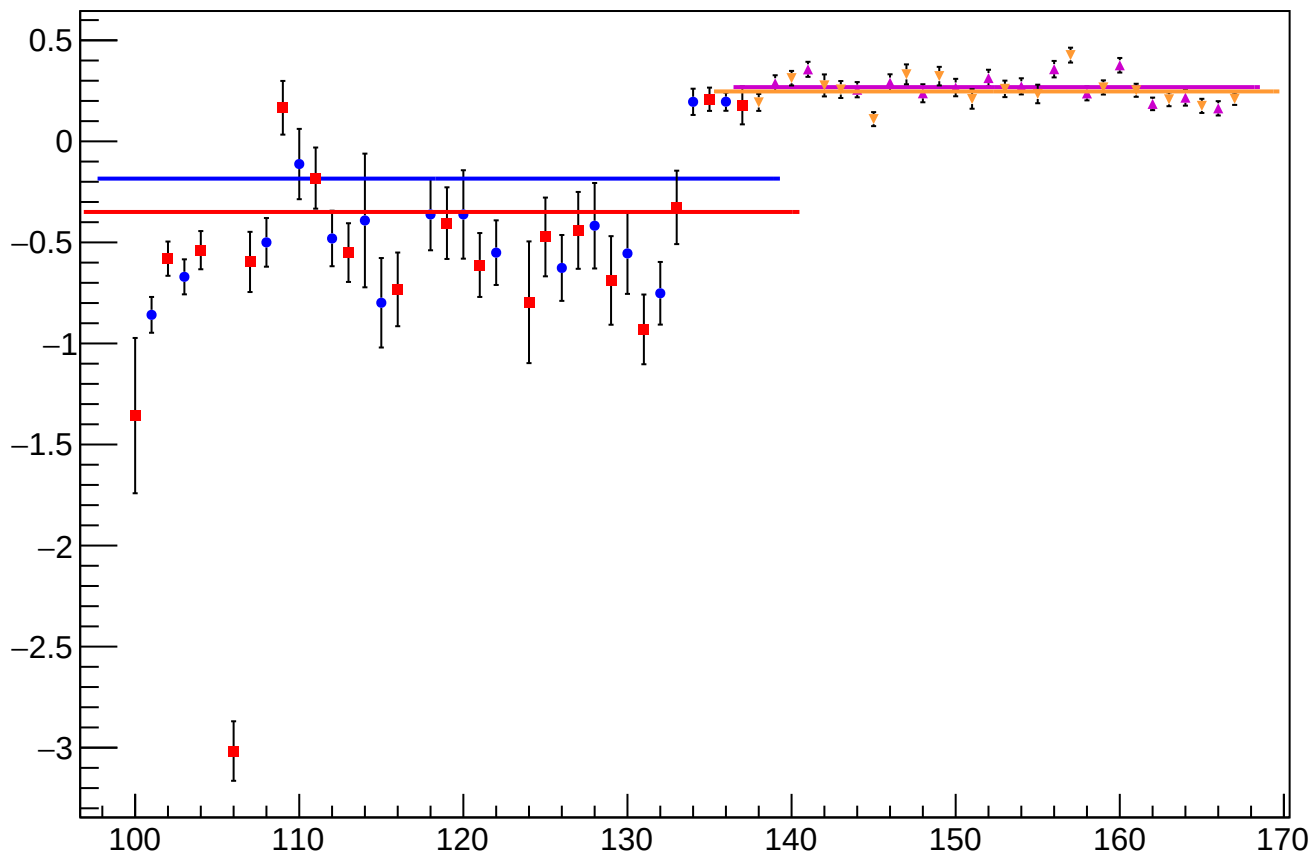
Left In: -15.924 ± 0.223 χ^2/NDF : 1072.3/13

+ sign -14.977 ± 0.194 χ^2/NDF : 1257.9/31

All: -14.814 ± 0.141 χ^2/NDF : 2933.3/64

- sign -14.630 ± 0.206 χ^2/NDF : 1673.9/32

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: 0.247 ± 0.010 χ^2/NDF : 58.4/15

Right Out: -0.349 ± 0.029 χ^2/NDF : 516.5/18

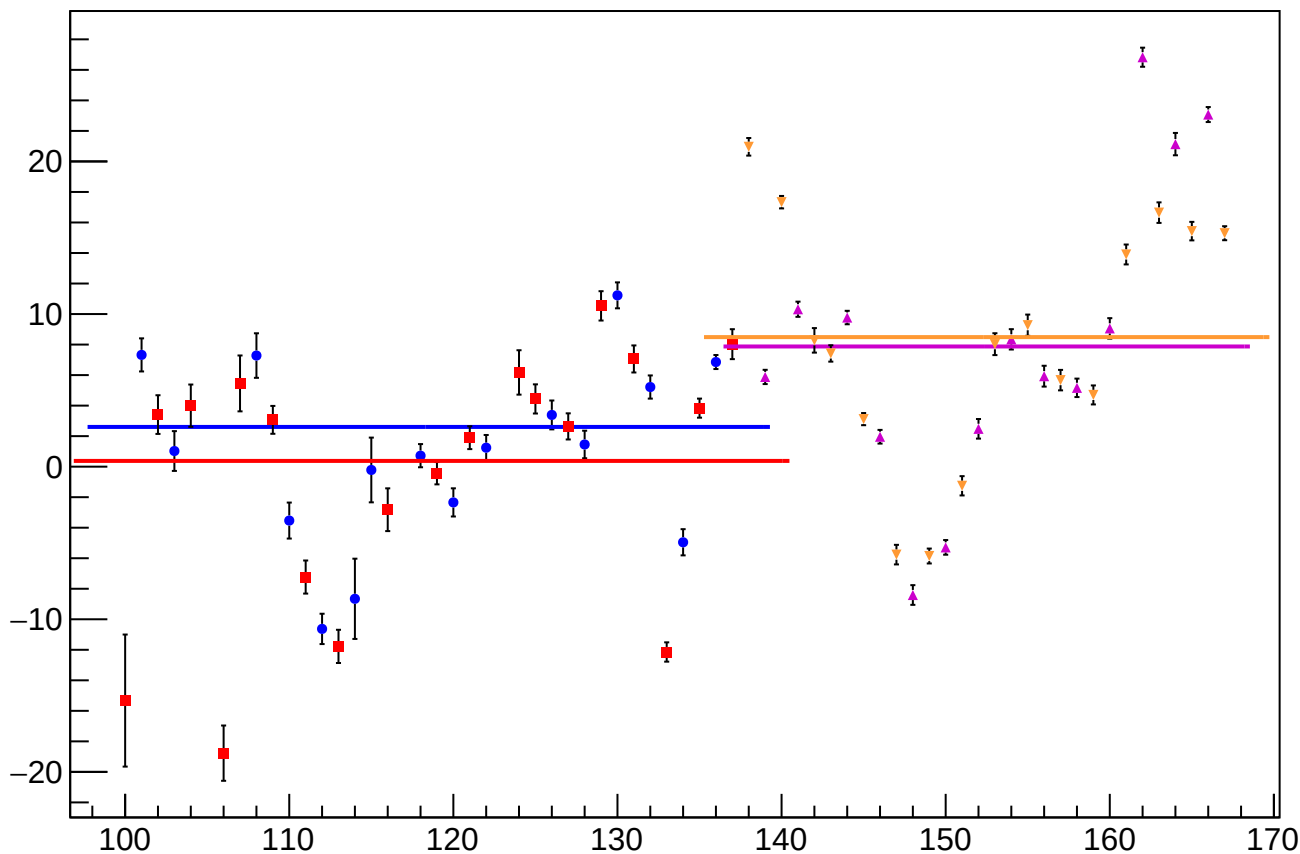
Left In: 0.268 ± 0.010 χ^2/NDF : 40.0/13

+ sign 0.197 ± 0.009 χ^2/NDF : 535.4/31

All: 0.199 ± 0.007 χ^2/NDF : 1487.8/64

- sign 0.201 ± 0.010 χ^2/NDF : 952.3/32

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: 8.489 $\pm$ 0.141 χ^2 /NDF: 3341.7/15

Right Out: 0.377 $\pm$ 0.222 χ^2 /NDF: 1030.9/18

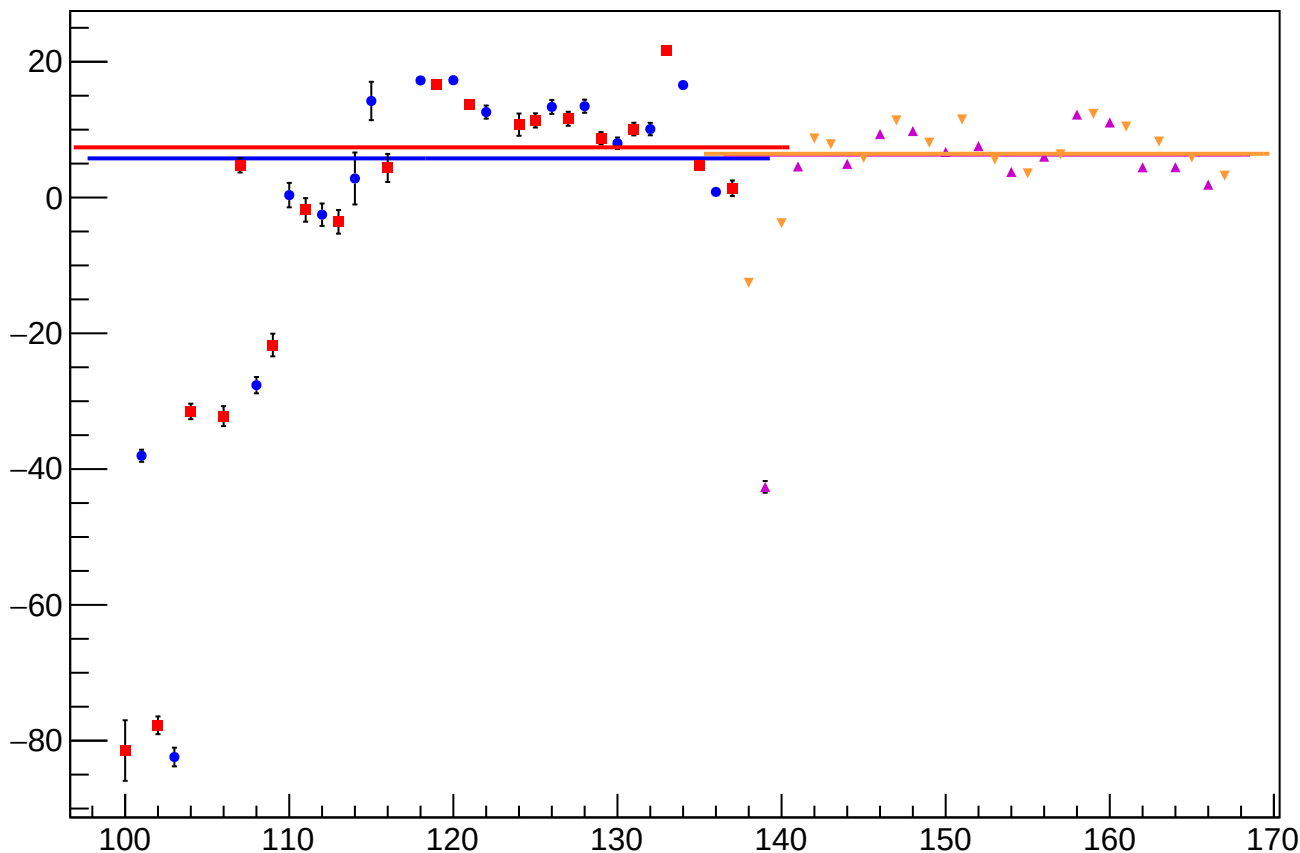
Left In: 7.875 $\pm$ 0.148 χ^2 /NDF: 3924.6/13

+ sign 6.821 $\pm$ 0.119 χ^2 /NDF: 4409.0/31

All: 6.218 $\pm$ 0.086 χ^2 /NDF: 10206.5/64

- sign 5.577 $\pm$ 0.123 χ^2 /NDF: 5744.9/32

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: 6.445 ± 0.100 χ^2/NDF : 2906.0/15

Right Out: 7.393 ± 0.209 χ^2/NDF : 8390.6/18

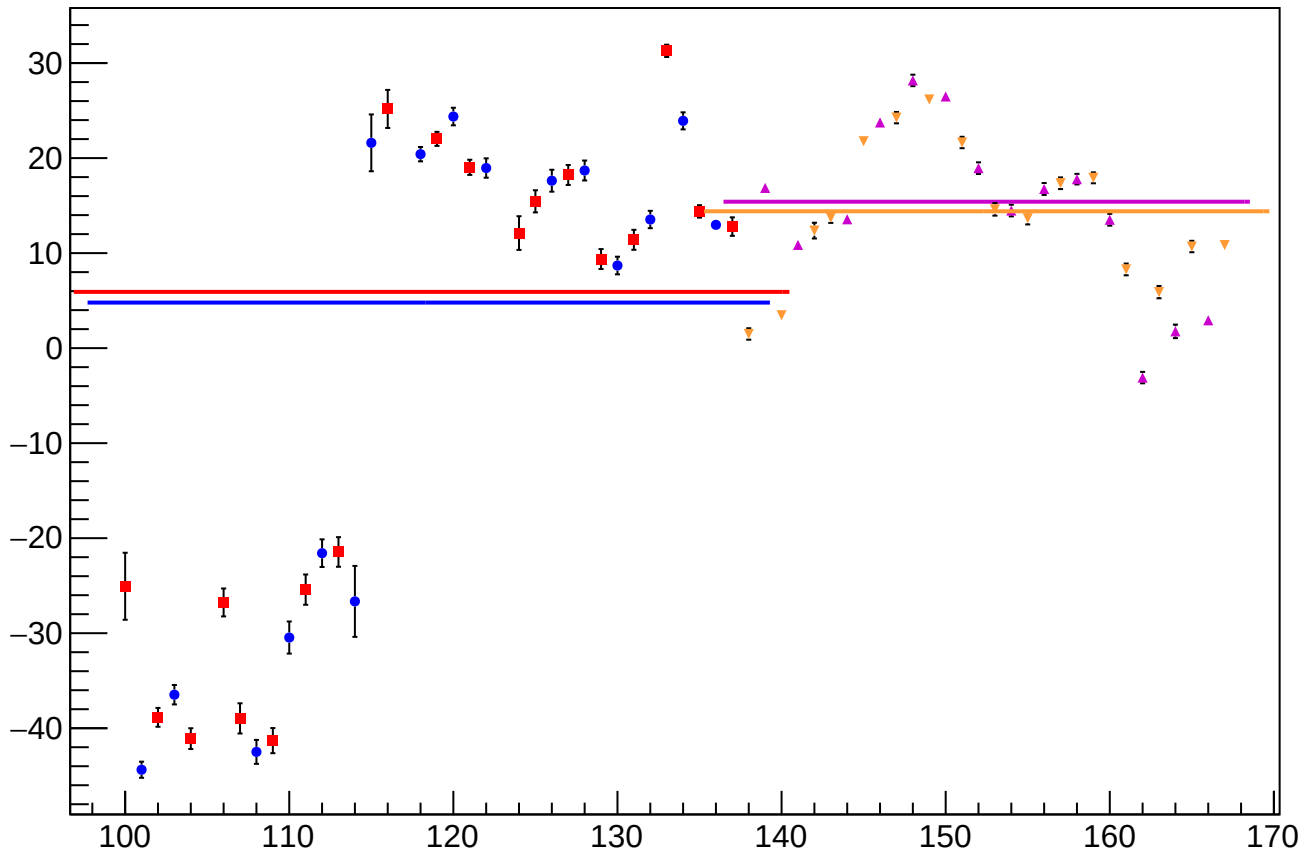
Left In: 6.323 ± 0.105 χ^2/NDF : 4034.9/13

+ sign 6.320 ± 0.090 χ^2/NDF : 11848.3/31

All: 6.425 ± 0.065 χ^2/NDF : 24297.5/64

- sign 6.540 ± 0.094 χ^2/NDF : 12446.4/32

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794 ± 0.237 χ^2/NDF : 9496.9/15

Left Out: 14.403 ± 0.139 χ^2/NDF : 2980.4/15

Right Out: 5.921 ± 0.240 χ^2/NDF : 10059.4/18

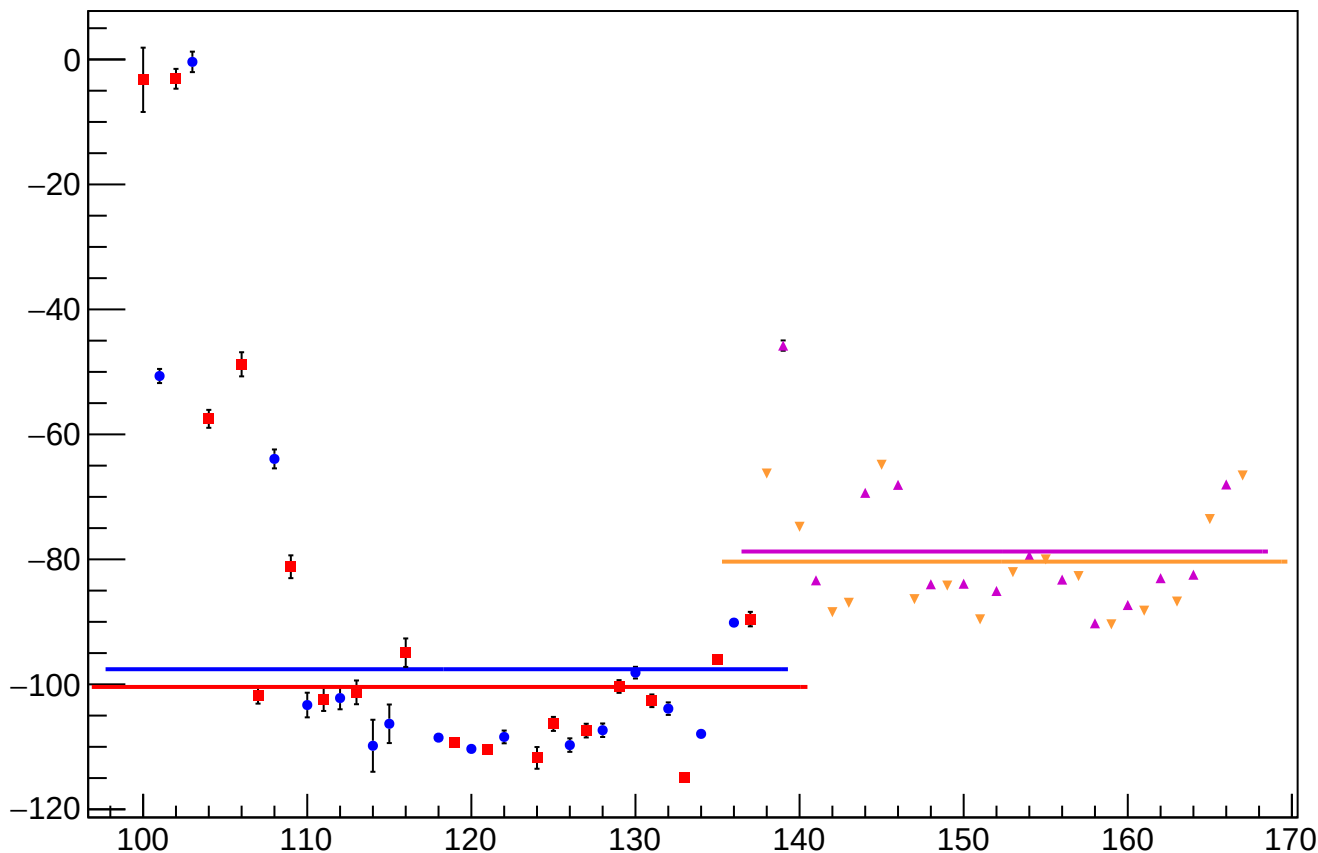
Left In: 15.409 ± 0.144 χ^2/NDF : 3531.8/13

+ sign 11.962 ± 0.120 χ^2/NDF : 13699.2/31

All: 12.415 ± 0.086 χ^2/NDF : 28470.4/64

- sign 12.898 ± 0.123 χ^2/NDF : 14741.6/32

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581 ± 0.242 χ^2/NDF : 7144.2/15

Left Out: -80.363 ± 0.116 χ^2/NDF : 5793.4/15

Right Out: -100.418 ± 0.241 χ^2/NDF : 7115.7/18

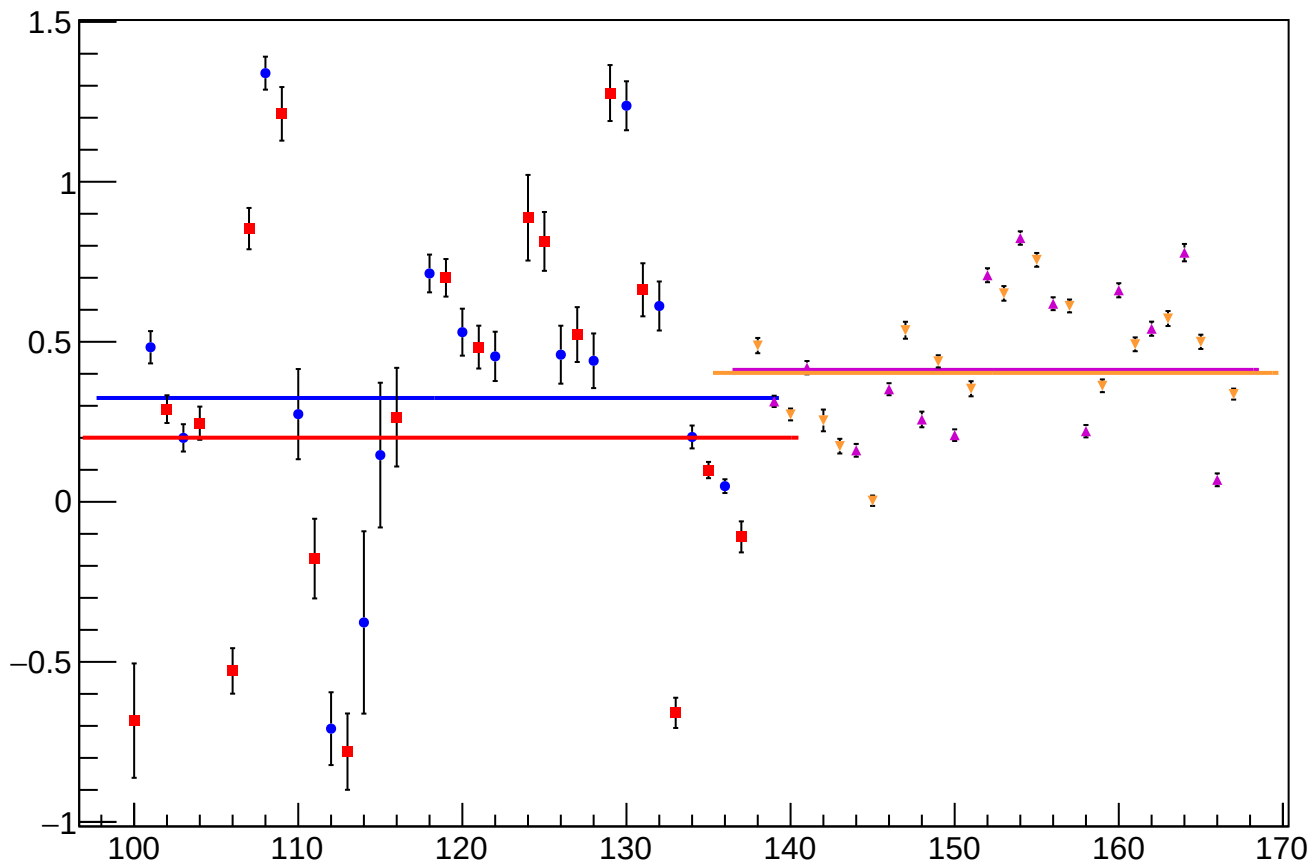
Left In: -78.745 ± 0.122 χ^2/NDF : 5574.2/13

+ sign -83.584 ± 0.105 χ^2/NDF : 17063.6/31

All: -83.375 ± 0.075 χ^2/NDF : 36206.3/64

- sign -83.151 ± 0.109 χ^2/NDF : 19134.5/32

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324 ± 0.013 $\chi^2/\text{NDF}: 886.5/15$

Left Out: 0.403 ± 0.005 $\chi^2/\text{NDF}: 1425.3/15$

Right Out: 0.200 ± 0.014 $\chi^2/\text{NDF}: 1206.3/18$

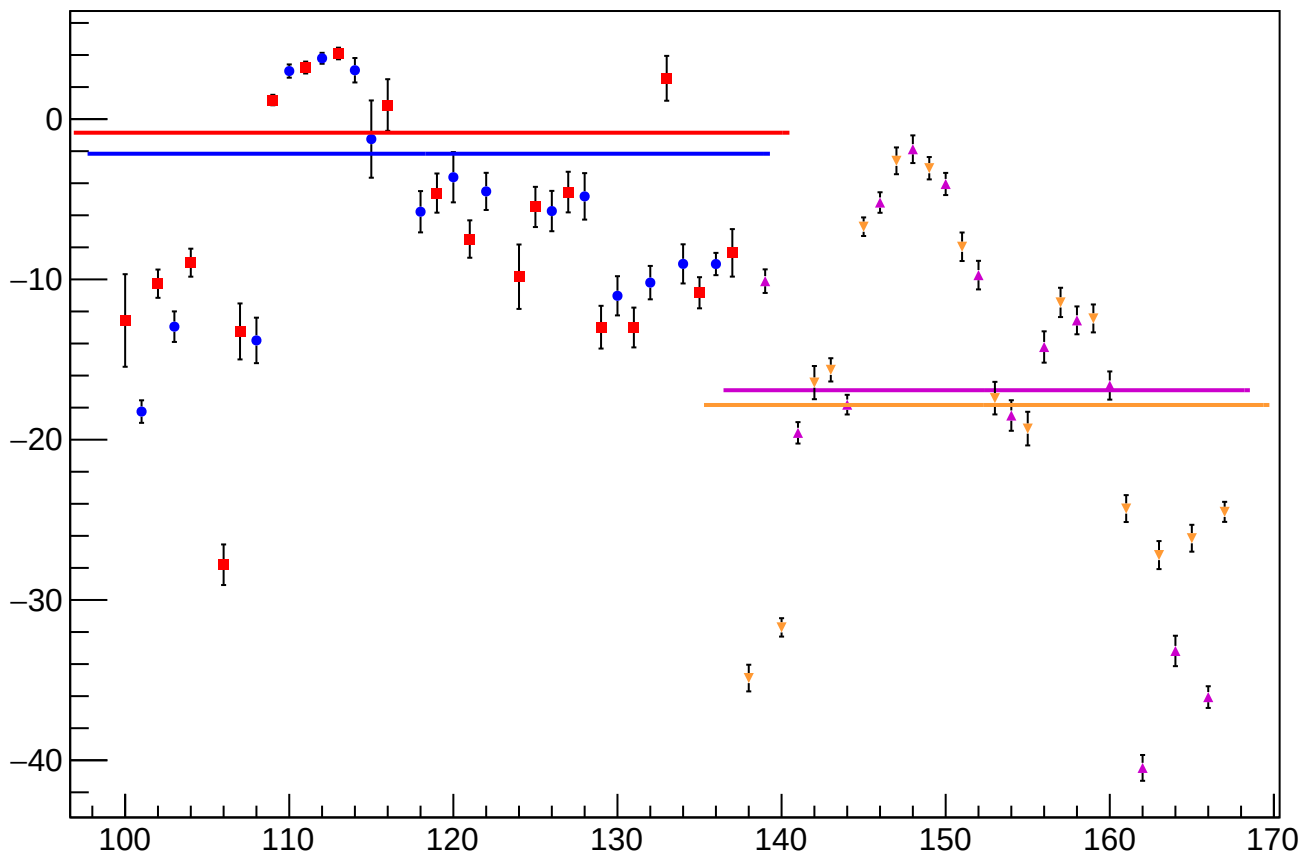
Left In: 0.412 ± 0.006 $\chi^2/\text{NDF}: 1772.9/13$

+ sign 0.392 ± 0.005 $\chi^2/\text{NDF}: 2341.9/31$

All: 0.388 ± 0.004 $\chi^2/\text{NDF}: 5524.8/64$

- sign 0.383 ± 0.005 $\chi^2/\text{NDF}: 3181.3/32$

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159 ± 0.192 χ^2/NDF : 1491.0/15

Left Out: -17.835 ± 0.196 χ^2/NDF : 2761.9/15

Right Out: -0.848 ± 0.170 χ^2/NDF : 1465.4/18

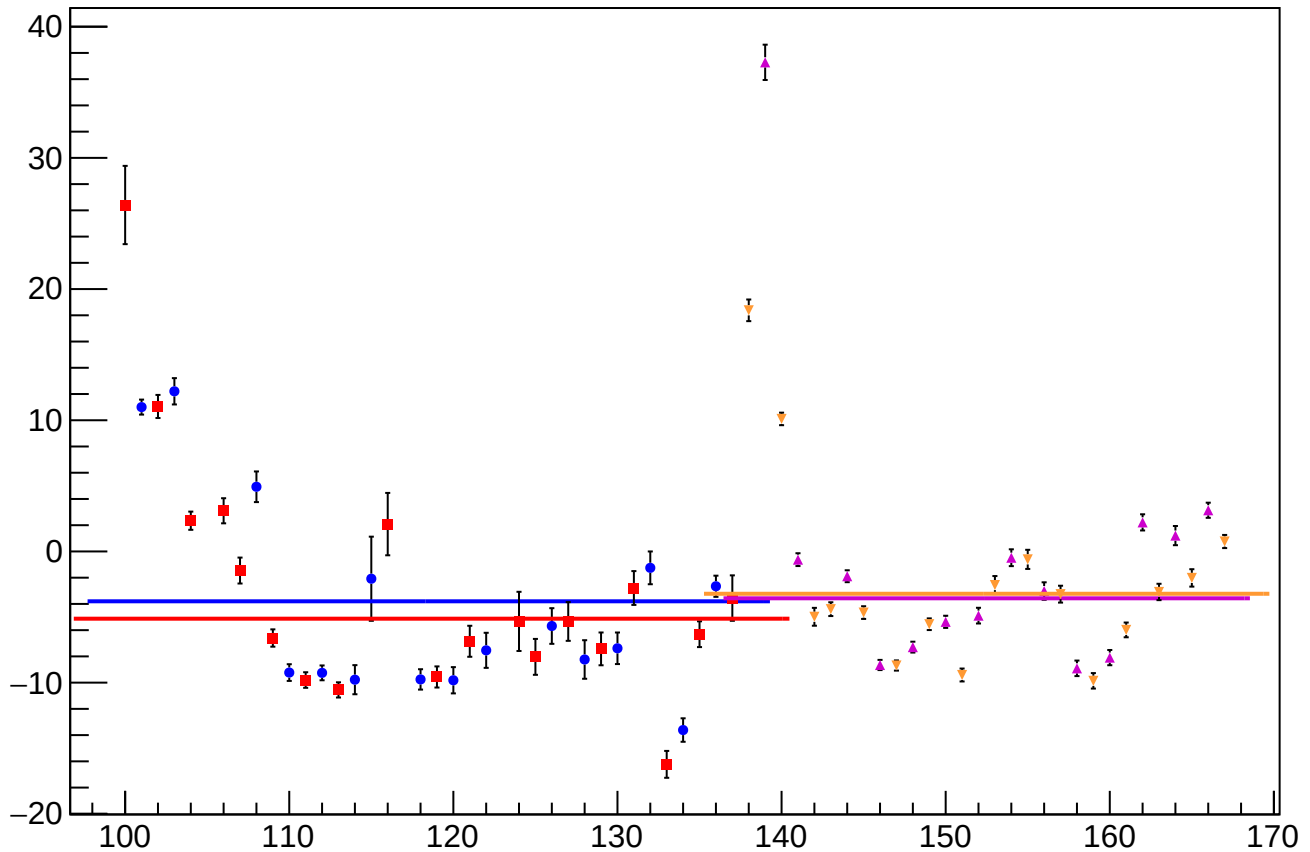
Left In: -16.914 ± 0.206 χ^2/NDF : 3137.8/13

+ sign -9.850 ± 0.137 χ^2/NDF : 7523.7/31

All: -8.553 ± 0.095 χ^2/NDF : 15901.8/64

- sign -7.360 ± 0.131 χ^2/NDF : 8206.0/32

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800 ± 0.226 χ^2/NDF : 1425.5/15

Left Out: -3.226 ± 0.137 χ^2/NDF : 2098.5/15

Right Out: -5.126 ± 0.219 χ^2/NDF : 980.6/18

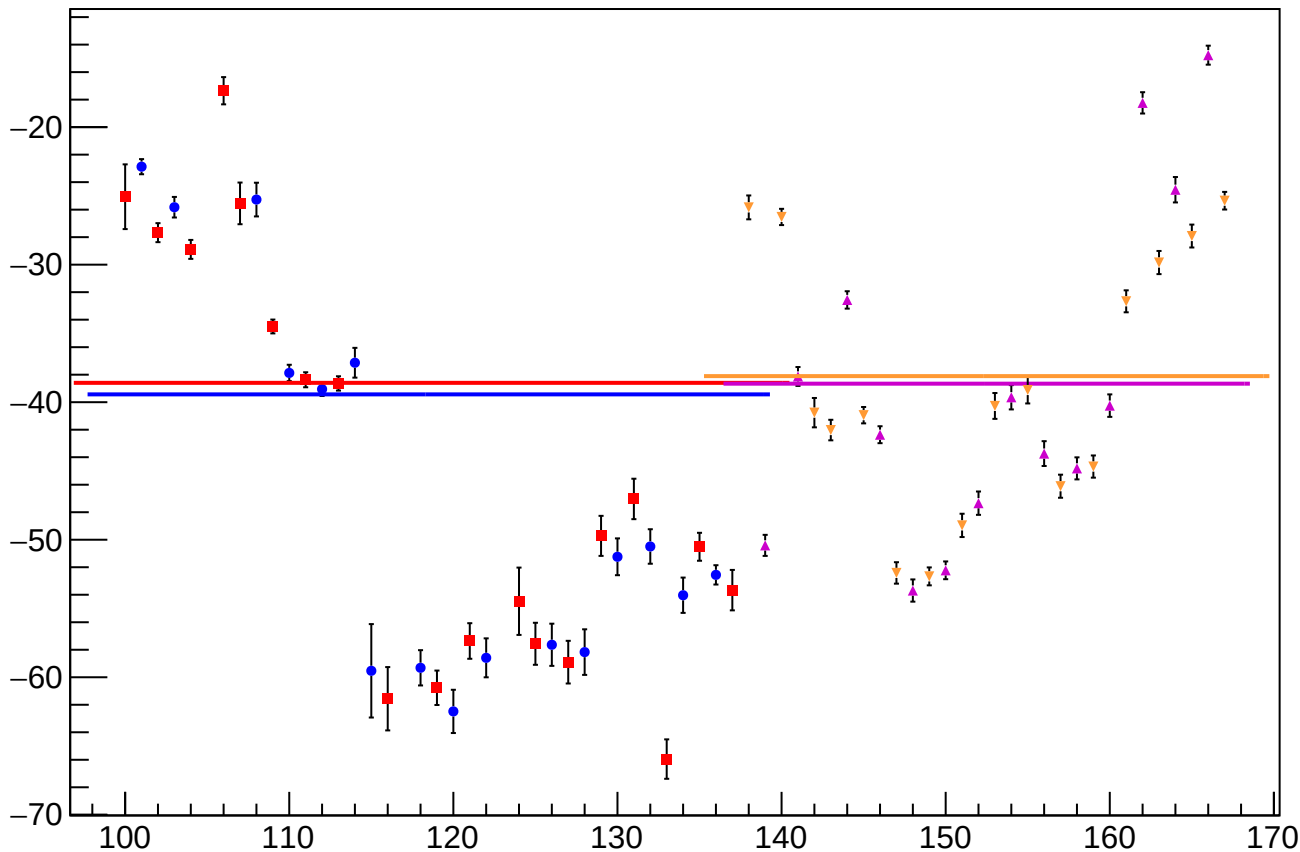
Left In: -3.572 ± 0.145 χ^2/NDF : 1675.7/13

+ sign -3.381 ± 0.117 χ^2/NDF : 3528.8/31

All: -3.704 ± 0.084 χ^2/NDF : 6235.7/64

- sign -4.047 ± 0.121 χ^2/NDF : 2691.3/32

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431 ± 0.225 χ^2/NDF : 2958.1/15

Left Out: -38.104 ± 0.192 χ^2/NDF : 2493.0/15

Right Out: -38.593 ± 0.213 χ^2/NDF : 2772.1/18

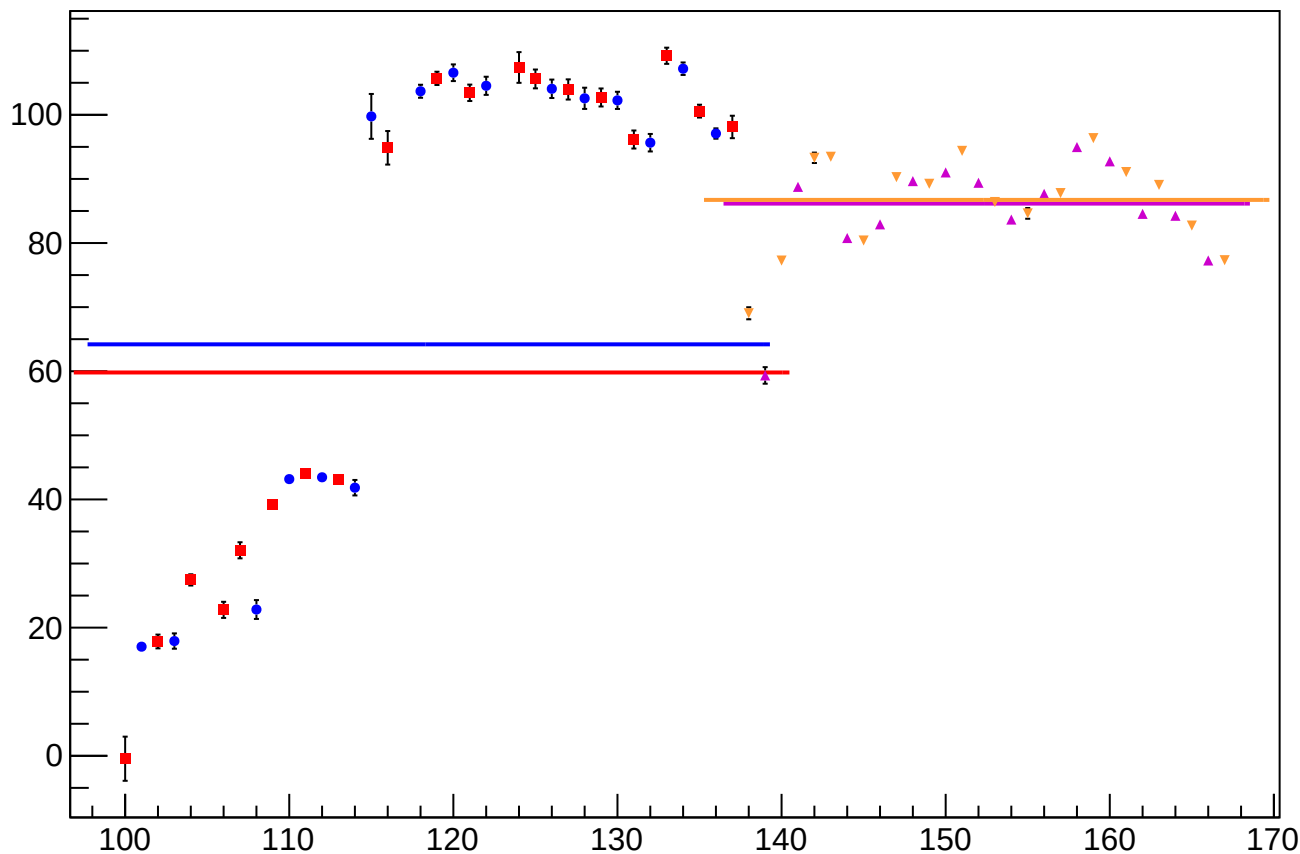
Left In: -38.653 ± 0.201 χ^2/NDF : 3478.1/13

+ sign -38.663 ± 0.146 χ^2/NDF : 5471.1/31

All: -38.644 ± 0.103 χ^2/NDF : 11721.5/64

- sign -38.625 ± 0.146 χ^2/NDF : 6250.3/32

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196 $\pm$ 0.258 χ^2 /NDF: 18596.4/15

Left Out: 86.729 $\pm$ 0.160 χ^2 /NDF: 1799.9/15

Right Out: 59.805 $\pm$ 0.249 χ^2 /NDF: 17431.2/18

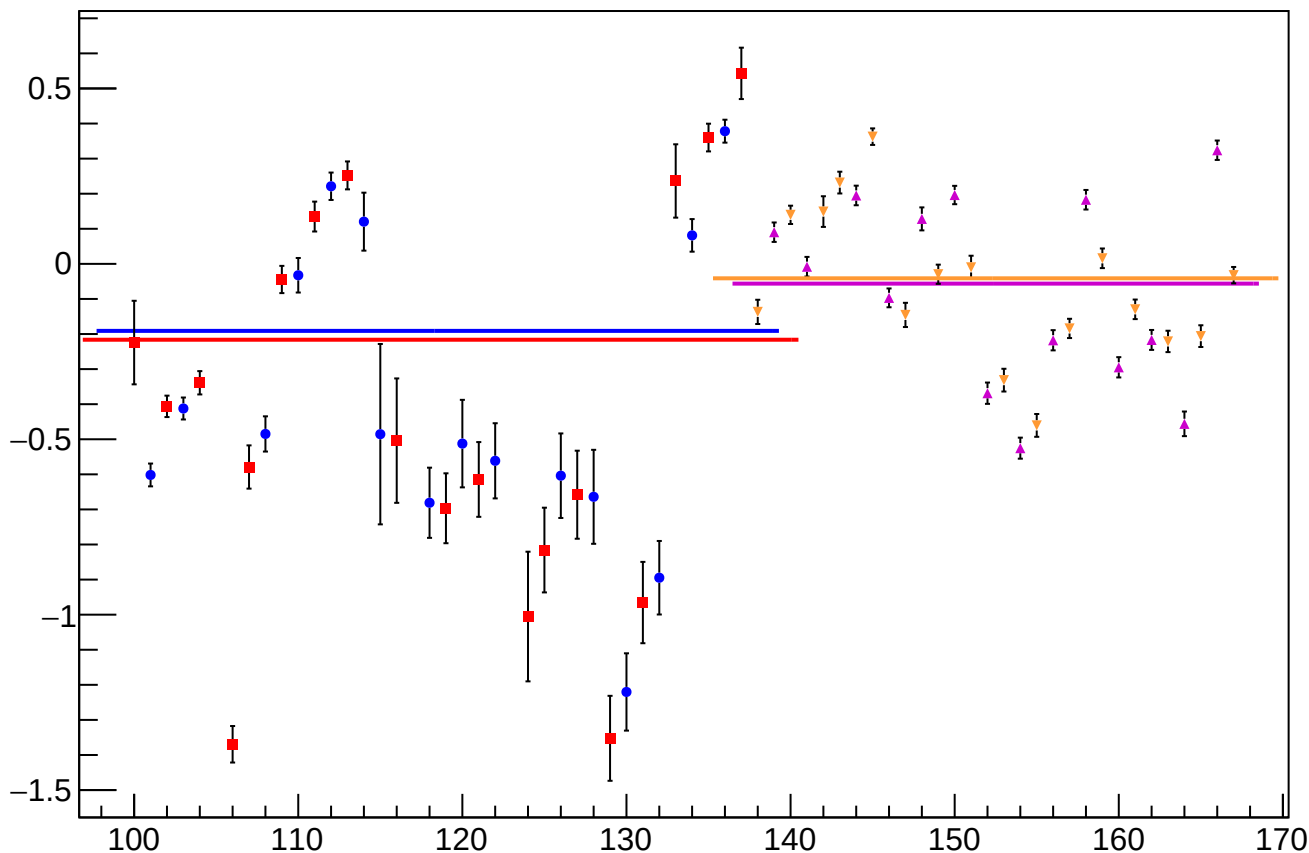
Left In: 86.153 $\pm$ 0.168 χ^2 /NDF: 1285.3/13

+ sign 80.468 $\pm$ 0.136 χ^2 /NDF: 25926.2/31

All: 79.212 $\pm$ 0.097 χ^2 /NDF: 52519.3/64

- sign 77.888 $\pm$ 0.139 χ^2 /NDF: 26417.1/32

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191±/0.013 χ^2/NDF : 918.3/15

Left Out: -0.041±/0.007 χ^2/NDF : 807.2/15

Right Out: -0.216±/0.013 χ^2/NDF : 1368.1/18

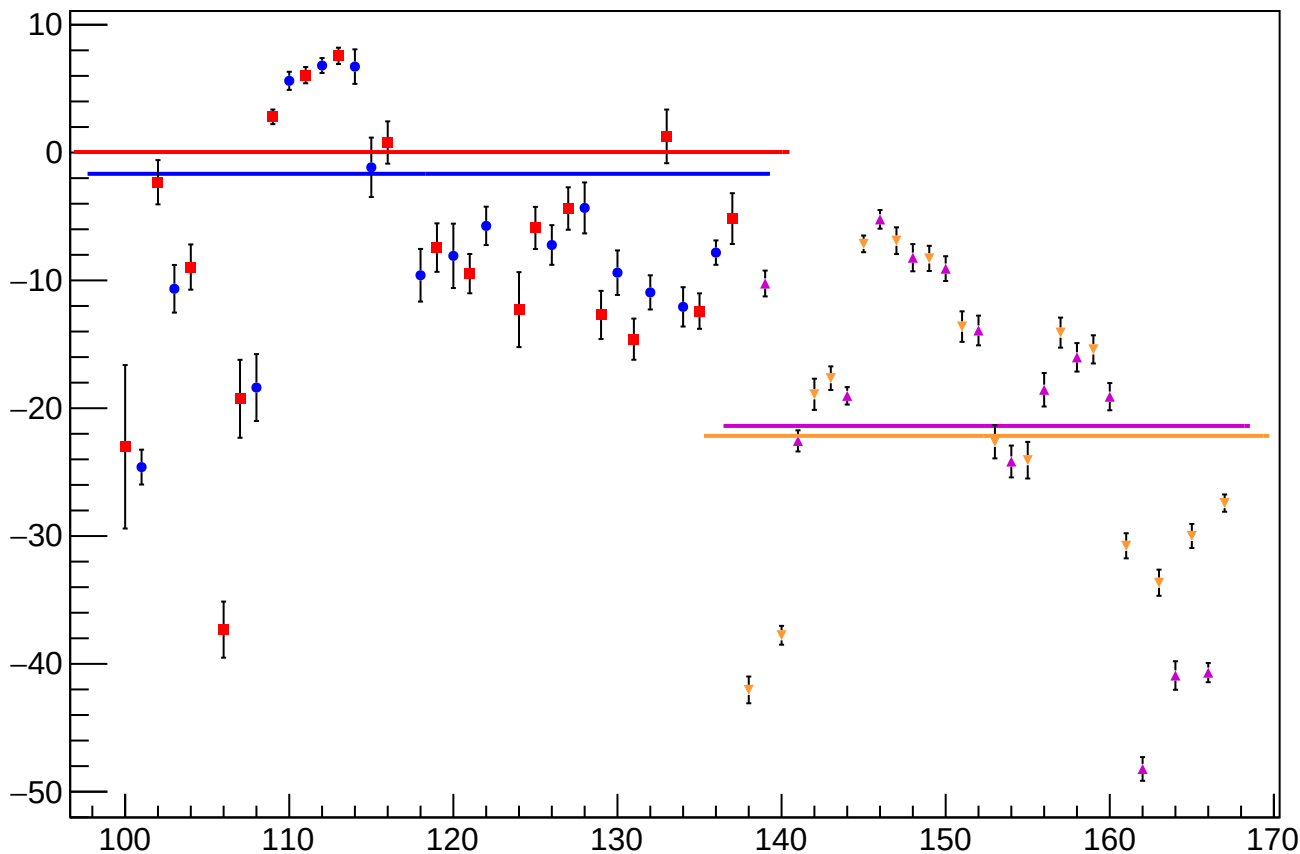
Left In: -0.056±/0.008 χ^2/NDF : 1113.6/13

+ sign -0.076±/0.006 χ^2/NDF : 1821.3/31

All: -0.087±/0.005 χ^2/NDF : 4421.8/64

- sign -0.098±/0.007 χ^2/NDF : 2594.6/32

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661 ± 0.308 χ^2/NDF : 900.3/15

Left Out: -22.163 ± 0.239 χ^2/NDF : 2250.8/15

Right Out: 0.042 ± 0.282 χ^2/NDF : 931.1/18

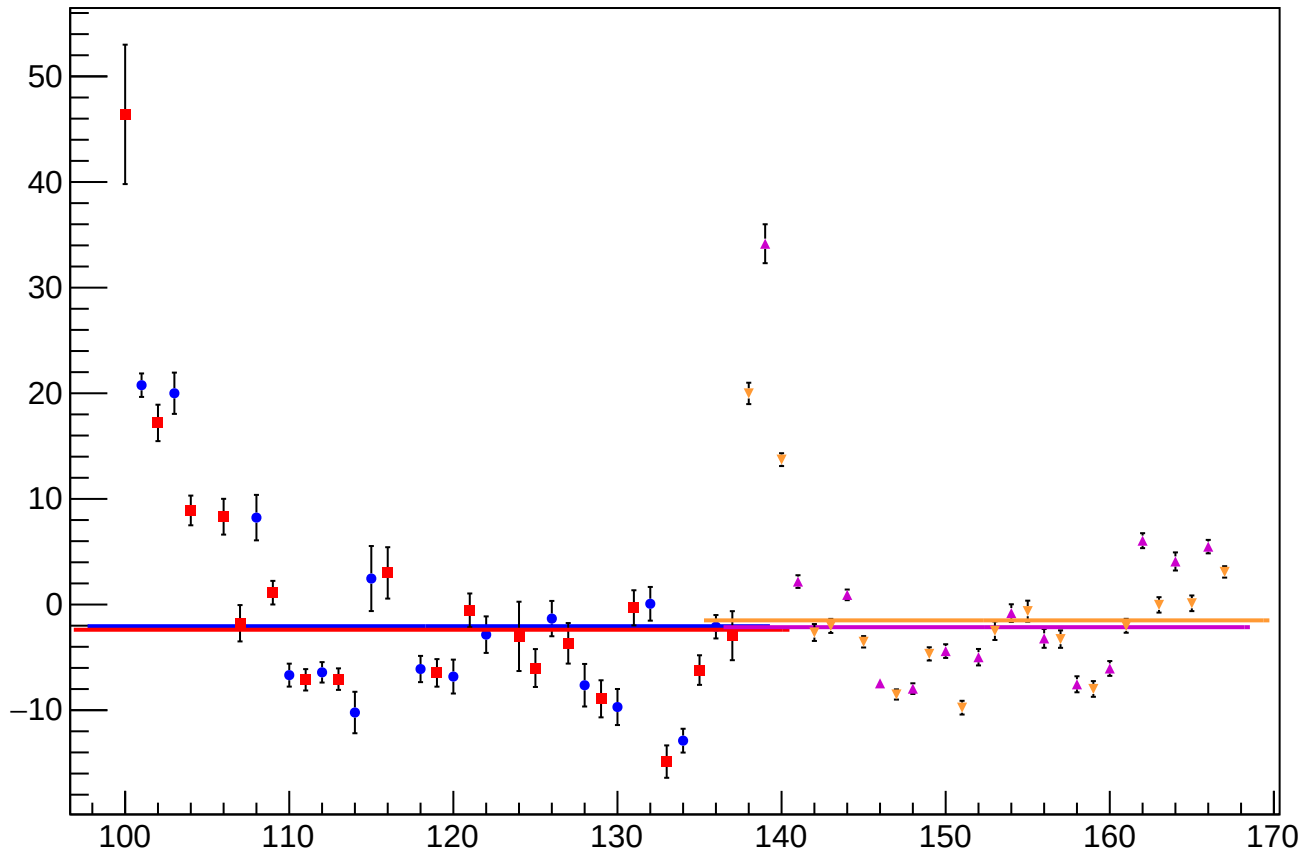
Left In: -21.385 ± 0.251 χ^2/NDF : 2827.8/13

+ sign -14.464 ± 0.189 χ^2/NDF : 5916.9/31

All: -13.172 ± 0.133 χ^2/NDF : 12987.5/64

- sign -11.895 ± 0.188 χ^2/NDF : 6977.4/32

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050 ± 0.356 χ^2/NDF : 771.9/15

Left Out: -1.498 ± 0.169 χ^2/NDF : 1657.0/15

Right Out: -2.386 ± 0.355 χ^2/NDF : 450.9/18

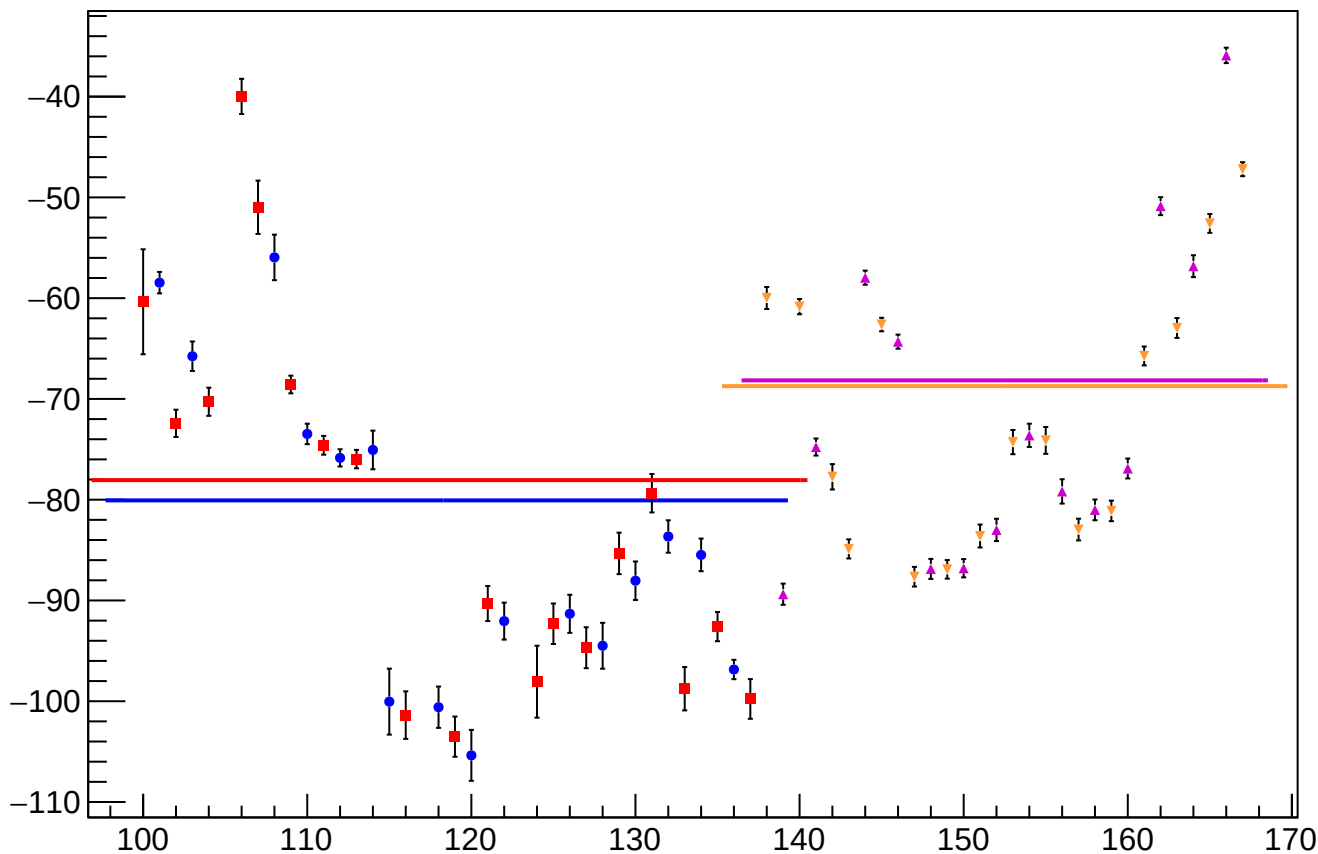
Left In: -2.143 ± 0.175 χ^2/NDF : 1202.4/13

+ sign -1.599 ± 0.152 χ^2/NDF : 2430.9/31

All: -1.886 ± 0.109 χ^2/NDF : 4091.8/64

- sign -2.190 ± 0.157 χ^2/NDF : 1653.7/32

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069 ± 0.364 χ^2/NDF : 1387.2/15

Left Out: -68.733 ± 0.236 χ^2/NDF : 3198.4/15

Right Out: -78.059 ± 0.354 χ^2/NDF : 1561.2/18

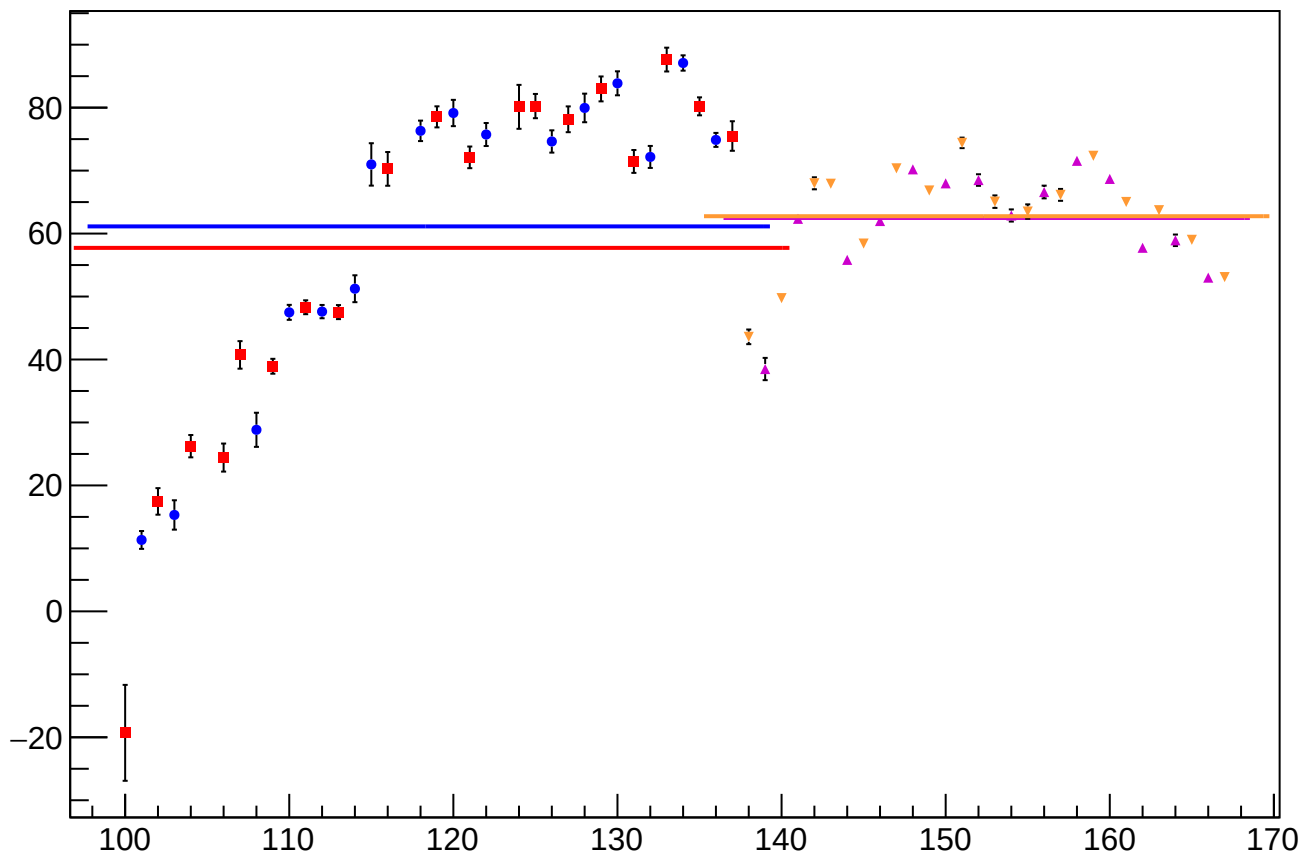
Left In: -68.159 ± 0.245 χ^2/NDF : 4266.3/13

+ sign -72.075 ± 0.198 χ^2/NDF : 5268.0/31

All: -71.732 ± 0.141 χ^2/NDF : 11630.9/64

- sign -71.376 ± 0.202 χ^2/NDF : 6356.8/32

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139 $\pm$ 0.401 χ^2 /NDF: 3229.3/15

Left Out: 62.757 $\pm$ 0.195 χ^2 /NDF:1539.1/15

Right Out: 57.728 $\pm$ 0.400 χ^2 /NDF: 2775.6/18

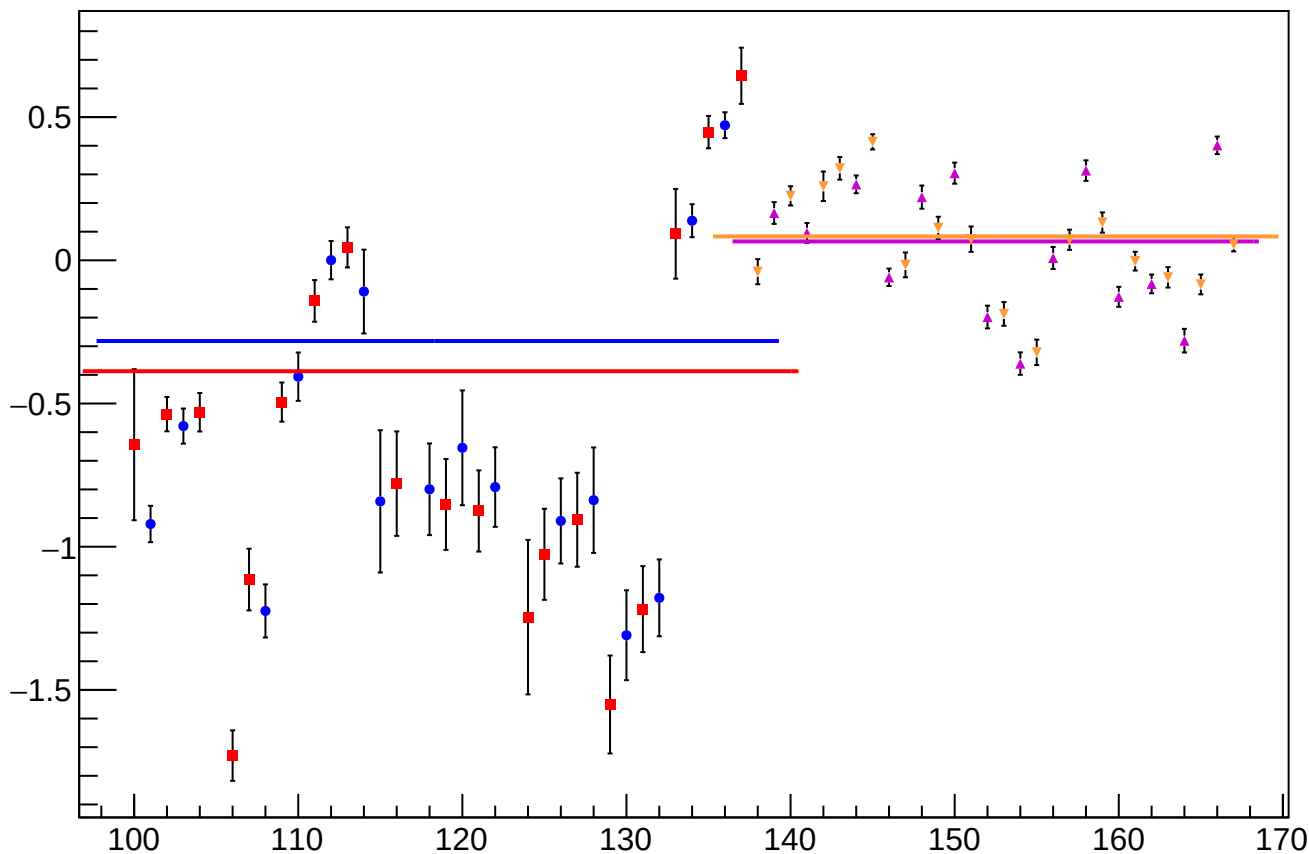
Left In: 62.478 $\pm$ 0.204 χ^2 /NDF:993.1/13

+ sign 62.446 $\pm$ 0.176 χ^2 /NDF: 4781.5/31

All: 61.989 $\pm$ 0.126 χ^2 /NDF: 8676.2/64

- sign 61.500 $\pm$ 0.181 χ^2 /NDF: 3880.7/32

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282 ± 0.022 χ^2/NDF : 728.2/15

Left Out: 0.083 ± 0.009 χ^2/NDF : 408.3/15

Right Out: -0.387 ± 0.022 χ^2/NDF : 818.7/18

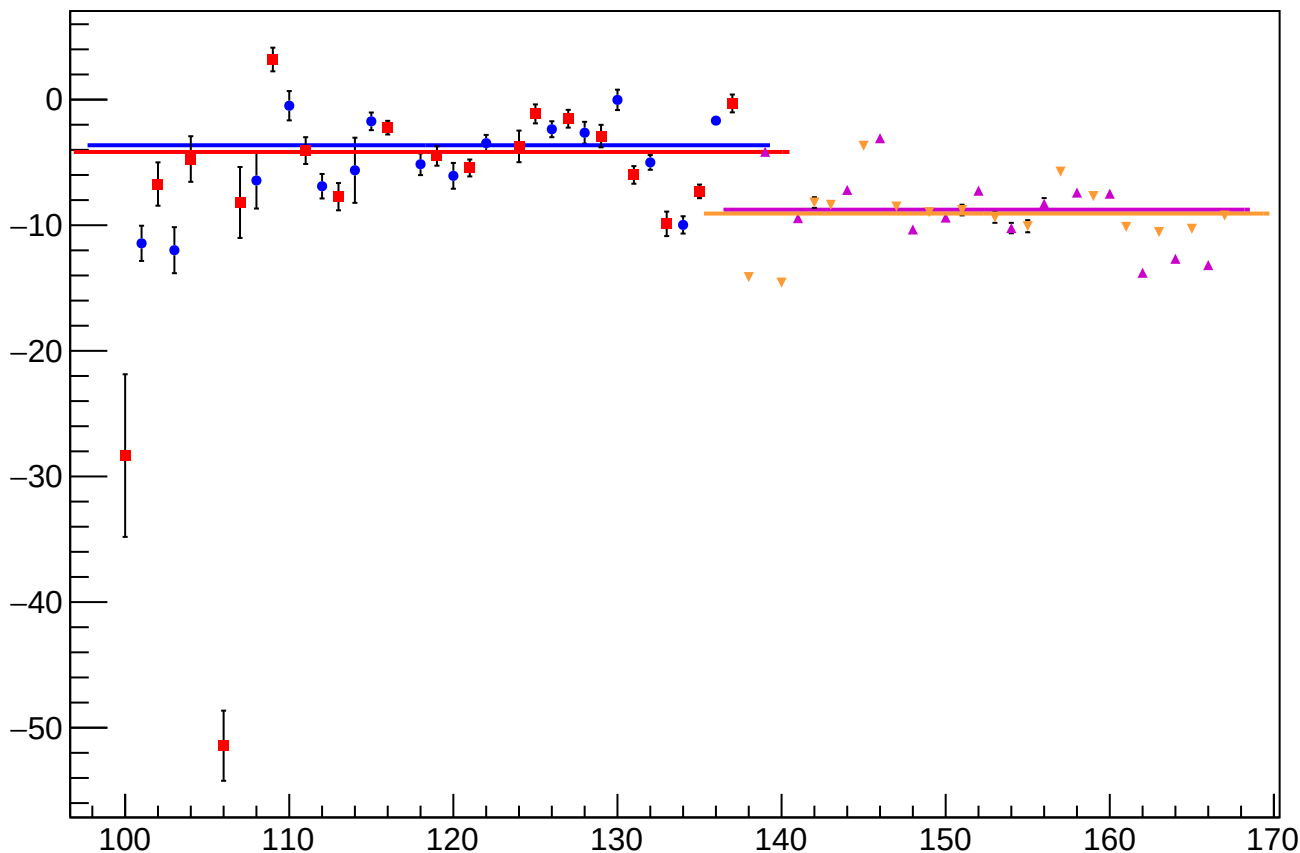
Left In: 0.066 ± 0.009 χ^2/NDF : 577.3/13

+ sign 0.029 ± 0.008 χ^2/NDF : 1379.3/31

All: 0.013 ± 0.006 χ^2/NDF : 3144.5/64

- sign -0.005 ± 0.009 χ^2/NDF : 1756.7/32

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634 ± 0.189 χ^2/NDF : 234.8/15

Left Out: -9.072 ± 0.079 χ^2/NDF : 1413.6/15

Right Out: -4.167 ± 0.199 χ^2/NDF : 529.7/18

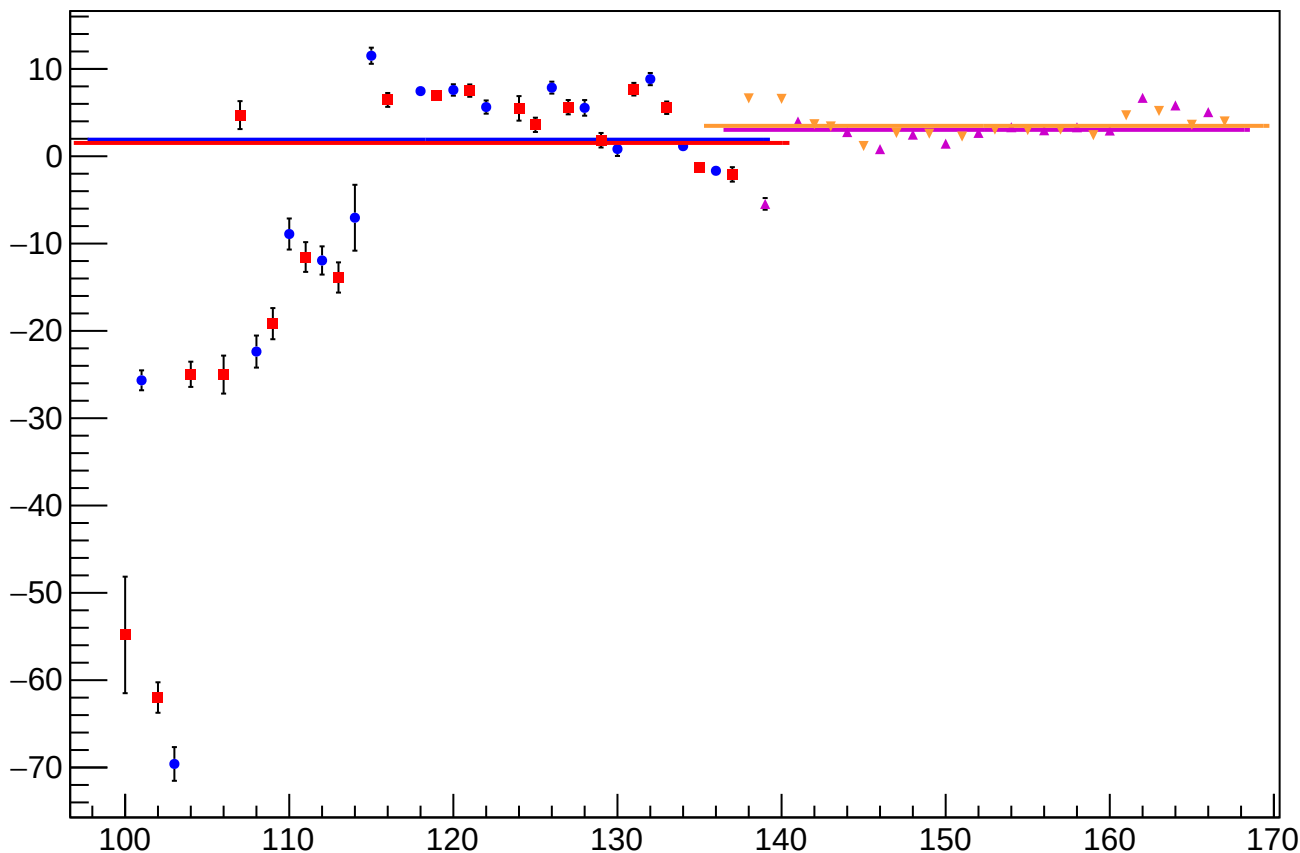
Left In: -8.762 ± 0.083 χ^2/NDF : 1682.3/13

+ sign -8.256 ± 0.073 χ^2/NDF : 2351.9/31

All: -8.173 ± 0.053 χ^2/NDF : 5018.7/64

- sign -8.080 ± 0.077 χ^2/NDF : 2664.1/32

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898 ± 0.189 $\chi^2/\text{NDF}: 2838.2/15$

Left Out: 3.482 ± 0.056 $\chi^2/\text{NDF}: 647.1/15$

Right Out: 1.525 ± 0.208 $\chi^2/\text{NDF}: 2559.8/18$

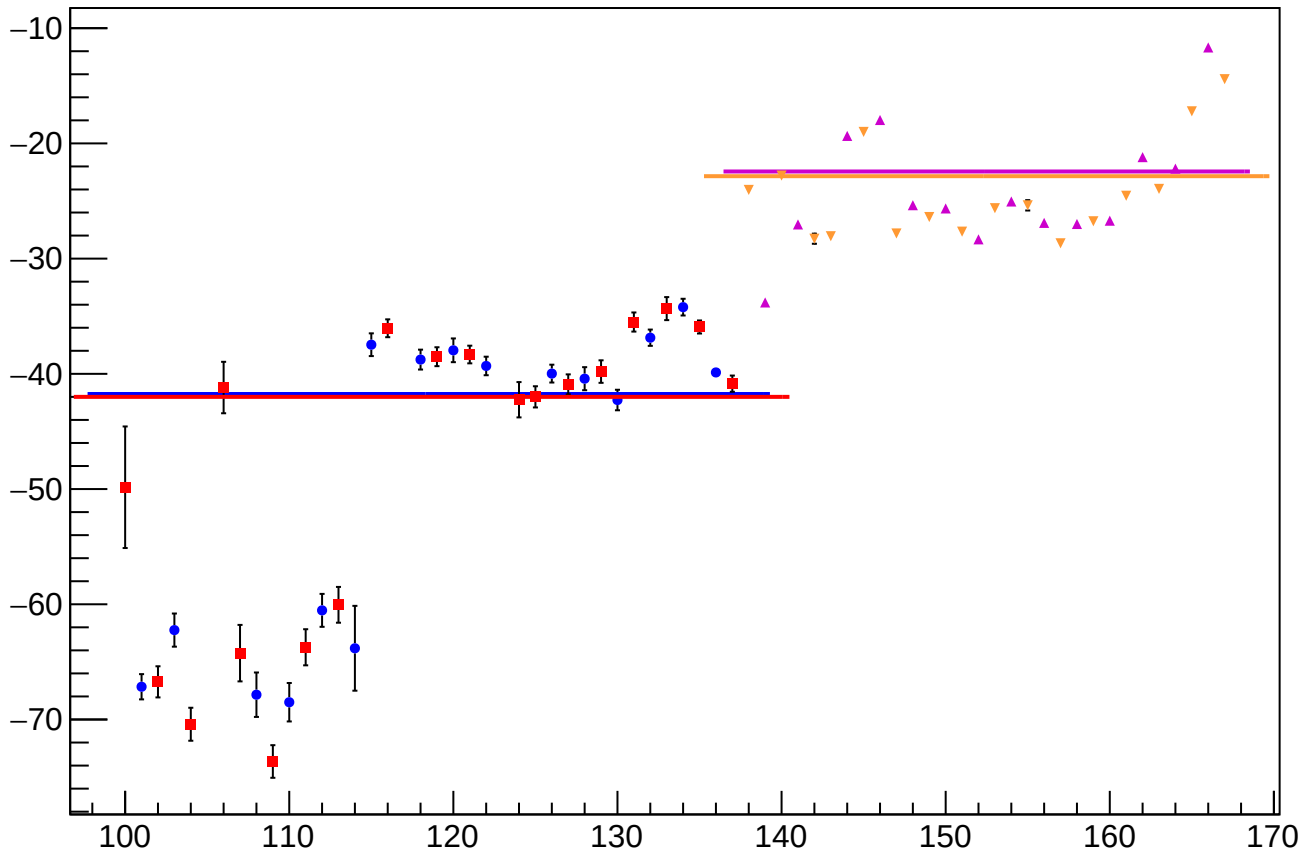
Left In: 3.024 ± 0.058 $\chi^2/\text{NDF}: 990.6/13$

+ sign 3.353 ± 0.054 $\chi^2/\text{NDF}: 3549.8/31$

All: 3.142 ± 0.039 $\chi^2/\text{NDF}: 7179.8/64$

- sign 2.916 ± 0.056 $\chi^2/\text{NDF}: 3598.4/32$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751 ± 0.208 $\chi^2/\text{NDF}: 1633.9/15$

Left Out: -22.846 ± 0.078 $\chi^2/\text{NDF}: 3626.3/15$

Right Out: -41.999 ± 0.228 $\chi^2/\text{NDF}: 1985.2/18$

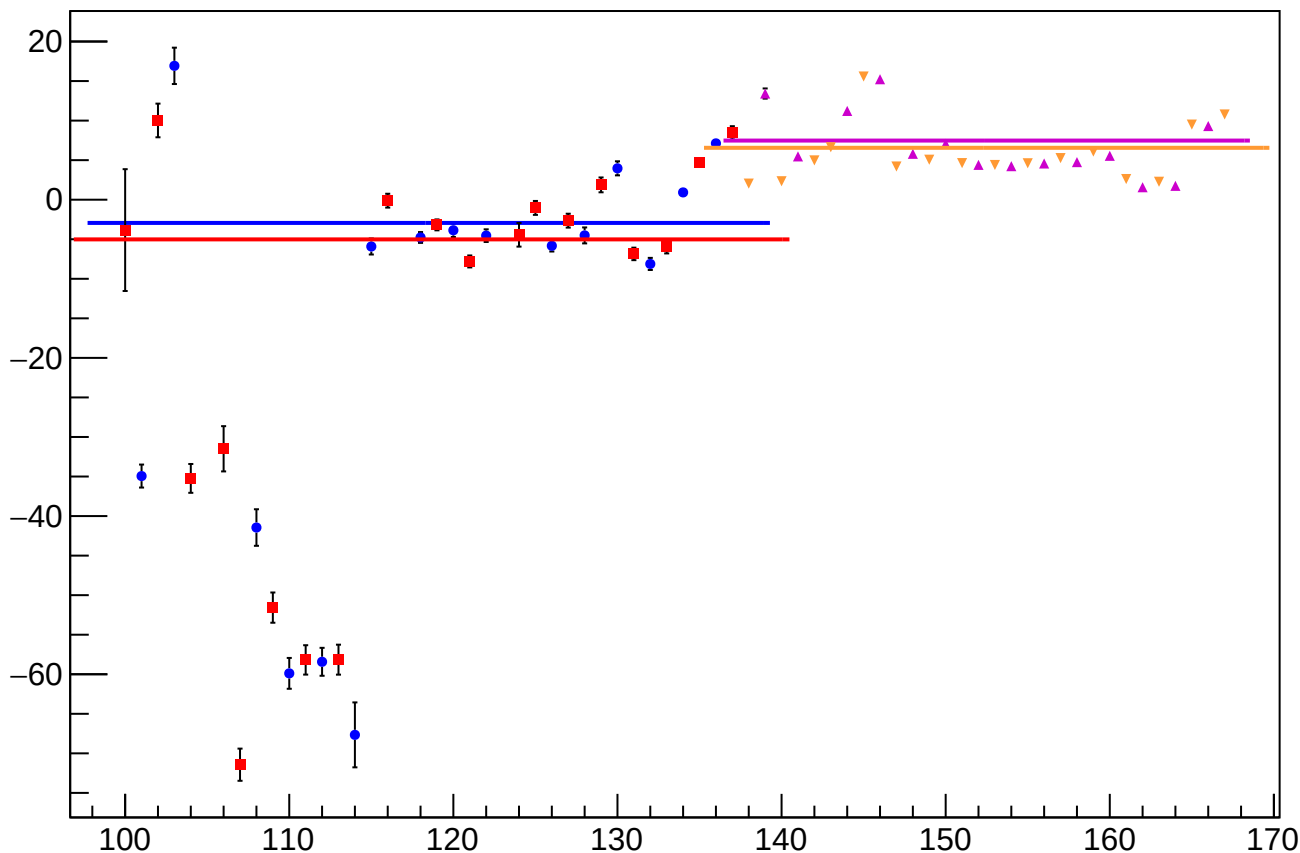
Left In: -22.438 ± 0.081 $\chi^2/\text{NDF}: 4657.7/13$

+ sign -25.204 ± 0.073 $\chi^2/\text{NDF}: 12516.6/31$

All: -24.932 ± 0.053 $\chi^2/\text{NDF}: 25706.7/64$

- sign -24.635 ± 0.077 $\chi^2/\text{NDF}: 13161.3/32$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936 ± 0.210 χ^2/NDF : 3725.6/15

Left Out: 6.561 ± 0.065 χ^2/NDF : 3977.1/15

Right Out: -5.018 ± 0.232 χ^2/NDF : 4377.3/18

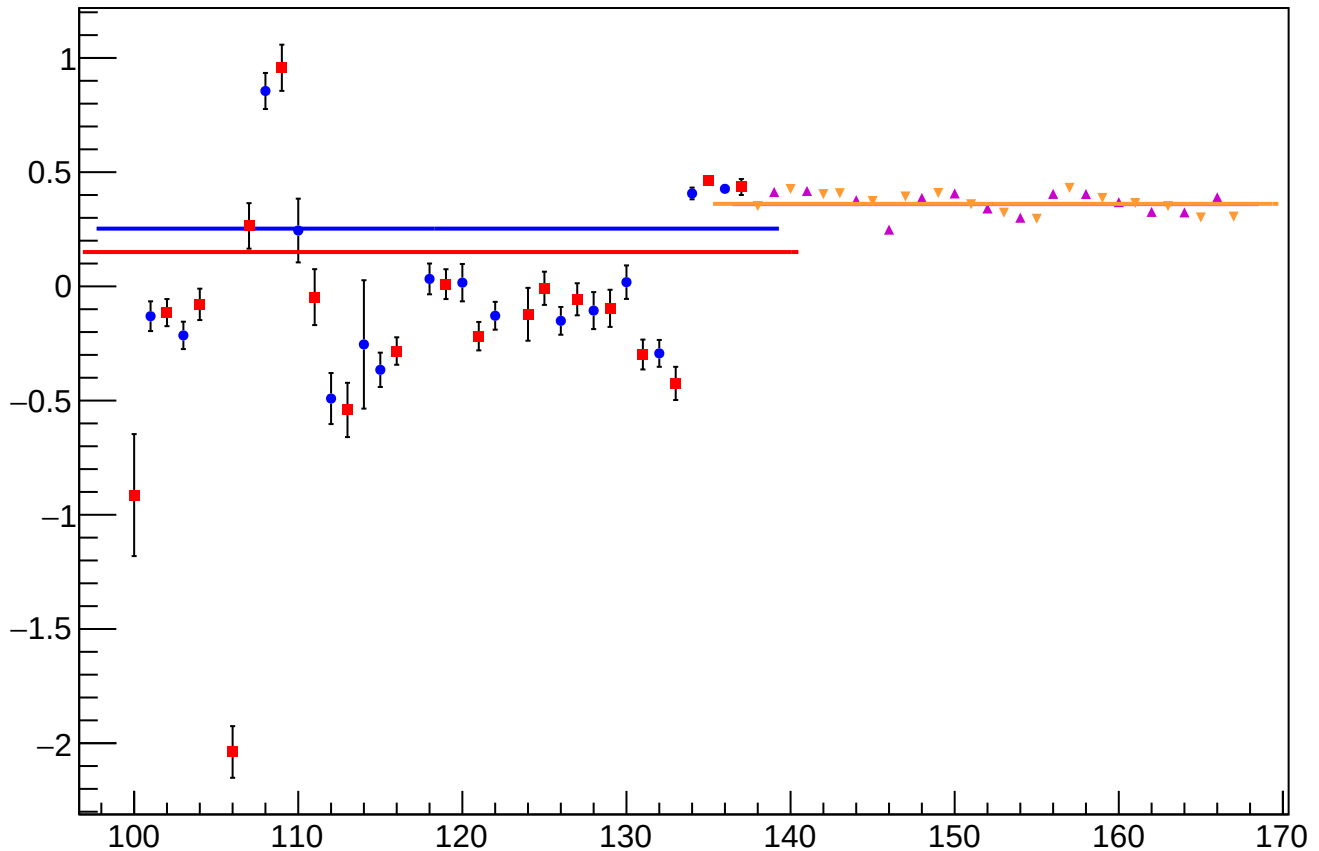
Left In: 7.476 ± 0.067 χ^2/NDF : 4159.0/13

+ sign 5.730 ± 0.062 χ^2/NDF : 9575.0/31

All: 6.102 ± 0.045 χ^2/NDF : 20866.3/64

- sign 6.506 ± 0.065 χ^2/NDF : 11216.2/32

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.011 χ^2/NDF : 631.0/15

Left Out: 0.361 ± 0.003 χ^2/NDF : 214.5/15

Right Out: 0.150 ± 0.013 χ^2/NDF : 1018.0/18

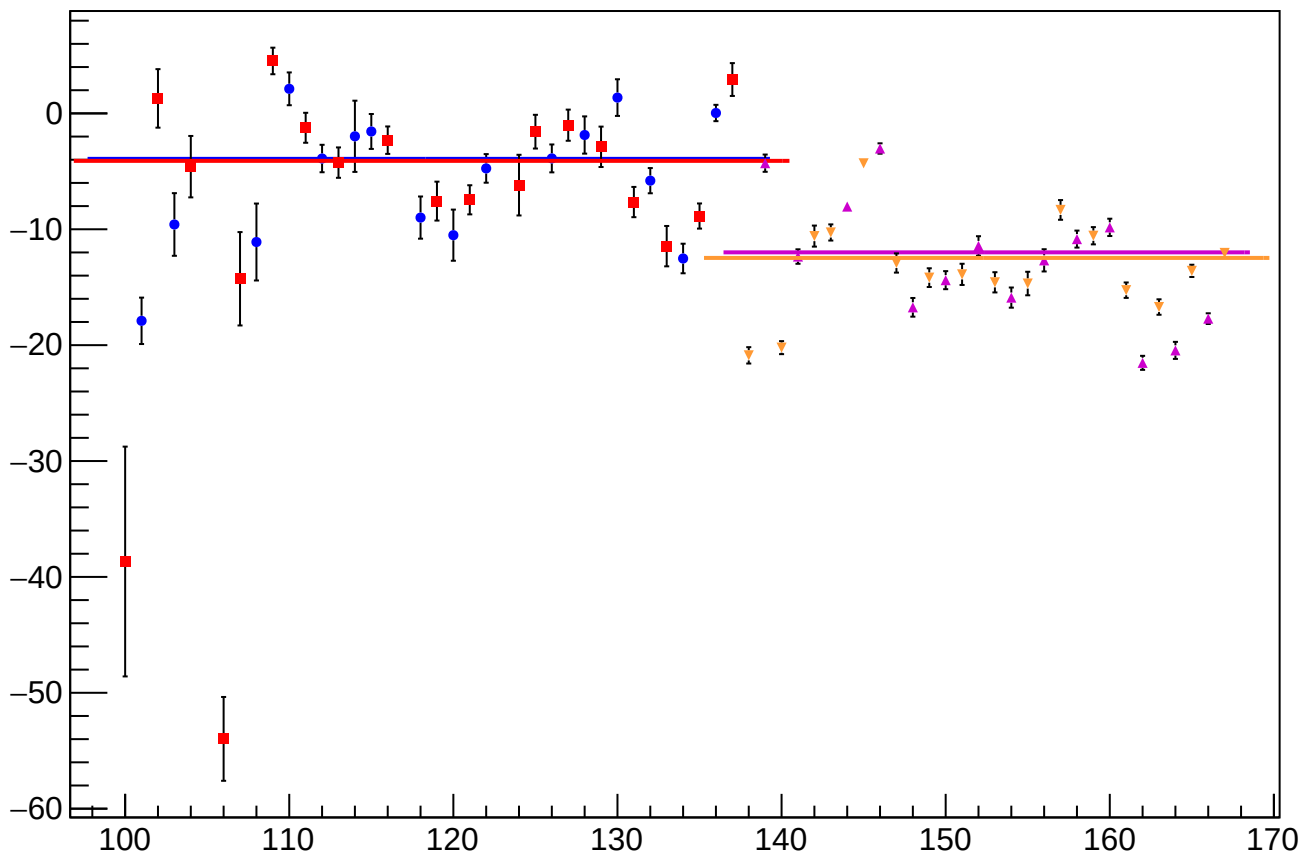
Left In: 0.360 ± 0.003 χ^2/NDF : 269.0/13

+ sign 0.355 ± 0.003 χ^2/NDF : 929.3/31

All: 0.352 ± 0.002 χ^2/NDF : 2452.0/64

- sign 0.349 ± 0.003 χ^2/NDF : 1521.1/32

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924 ± 0.346 χ^2/NDF : 188.8/15

Left Out: -12.472 ± 0.161 χ^2/NDF : 887.6/15

Right Out: -4.096 ± 0.357 χ^2/NDF : 366.9/18

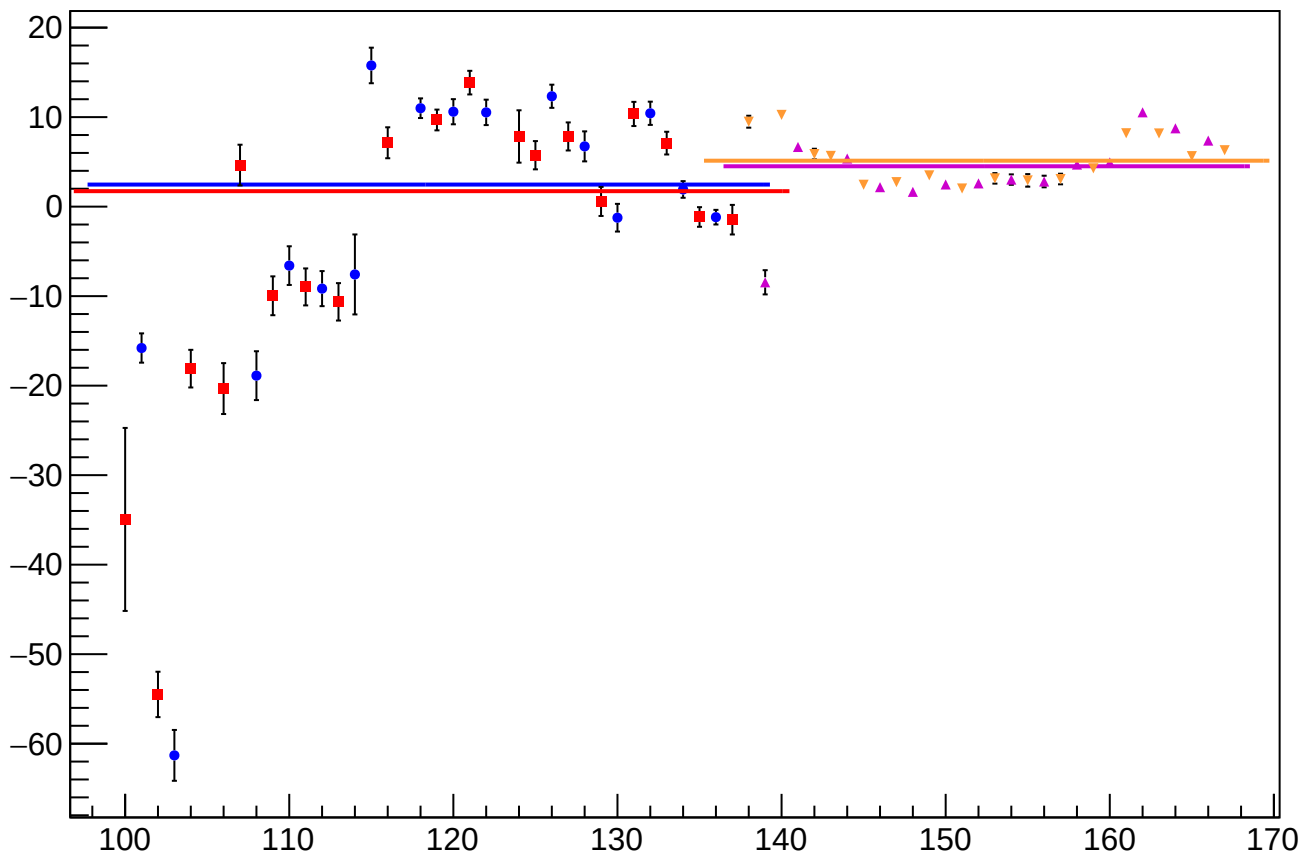
Left In: -11.992 ± 0.170 χ^2/NDF : 1202.9/13

+ sign -10.950 ± 0.146 χ^2/NDF : 1578.1/31

All: -10.752 ± 0.106 χ^2/NDF : 3551.0/64

- sign -10.535 ± 0.153 χ^2/NDF : 1969.1/32

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465 ± 0.357 χ^2/NDF : 1046.7/15

Left Out: 5.132 ± 0.116 χ^2/NDF : 466.9/15

Right Out: 1.728 ± 0.386 χ^2/NDF : 983.1/18

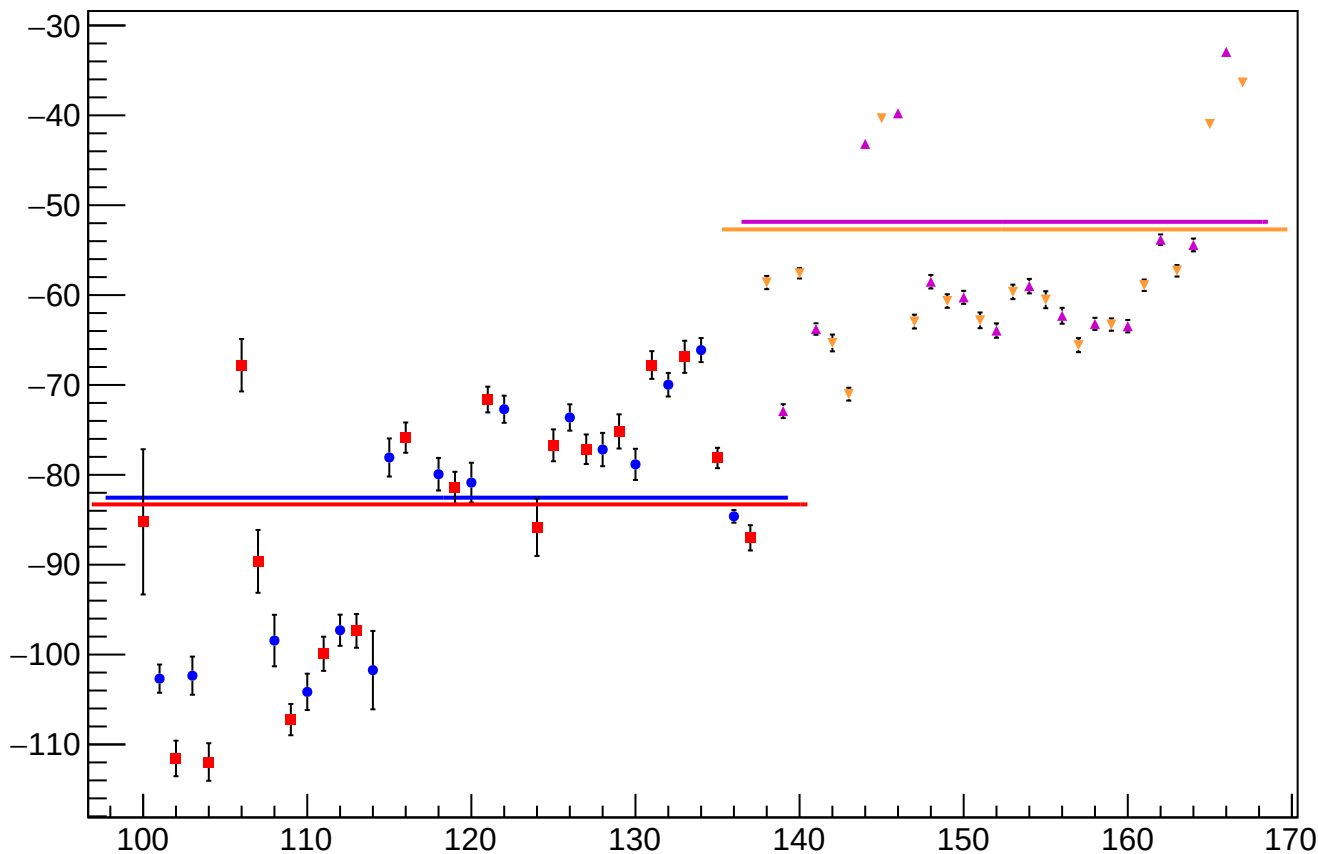
Left In: 4.509 ± 0.118 χ^2/NDF : 579.4/13

+ sign 4.879 ± 0.110 χ^2/NDF : 1564.2/31

All: 4.583 ± 0.079 χ^2/NDF : 3189.1/64

- sign 4.270 ± 0.113 χ^2/NDF : 1610.0/32

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542 ± 0.384 χ^2/NDF : 838.8/15

Left Out: -52.691 ± 0.160 χ^2/NDF : 5120.7/15

Right Out: -83.290 ± 0.414 χ^2/NDF : 1092.6/18

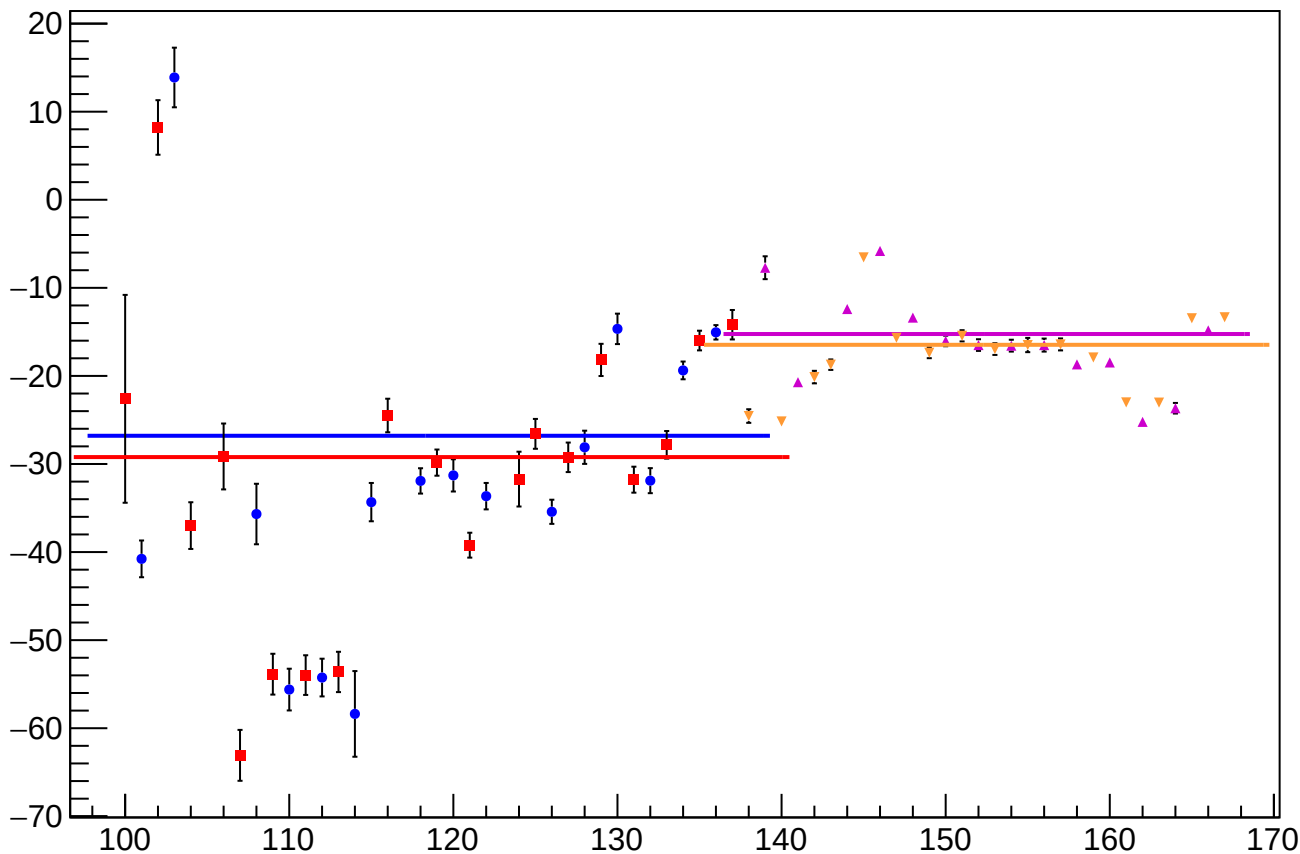
Left In: -51.848 ± 0.166 χ^2/NDF : 5119.0/13

+ sign -57.079 ± 0.147 χ^2/NDF : 11105.9/31

All: -56.659 ± 0.106 χ^2/NDF : 22297.9/64

- sign -56.199 ± 0.154 χ^2/NDF : 11175.0/32

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796 ± 0.396 χ^2/NDF : 963.5/15

Left Out: -16.468 ± 0.132 χ^2/NDF : 1628.1/15

Right Out: -29.216 ± 0.431 χ^2/NDF : 960.7/18

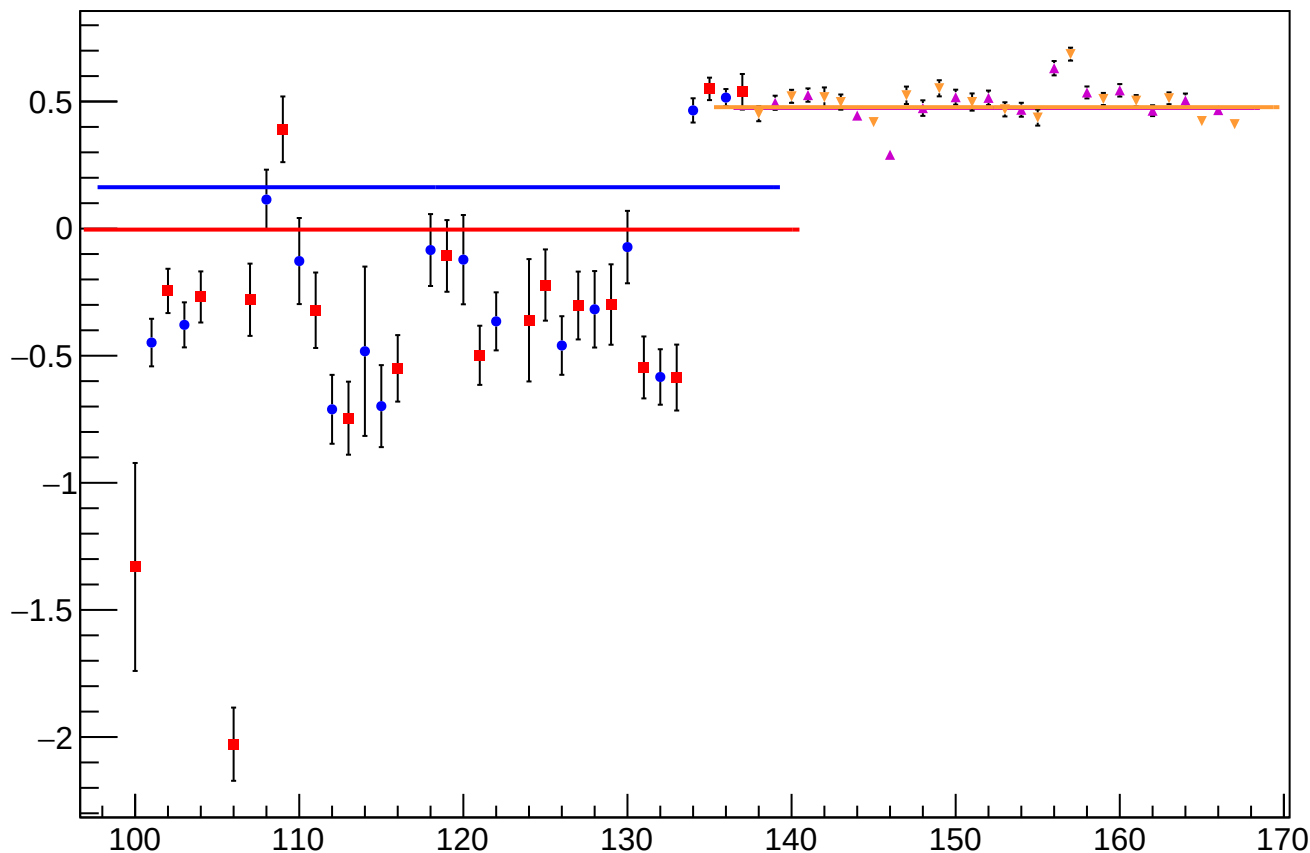
Left In: -15.243 ± 0.137 χ^2/NDF : 1733.1/13

+ sign -17.510 ± 0.126 χ^2/NDF : 3204.4/31

All: -17.041 ± 0.091 χ^2/NDF : 6881.0/64

- sign -16.531 ± 0.131 χ^2/NDF : 3647.5/32

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163 ± 0.021 $\chi^2/\text{NDF}: 422.6/15$

Left Out: 0.478 ± 0.006 $\chi^2/\text{NDF}: 127.1/15$

Right Out: -0.004 ± 0.024 $\chi^2/\text{NDF}: 573.3/18$

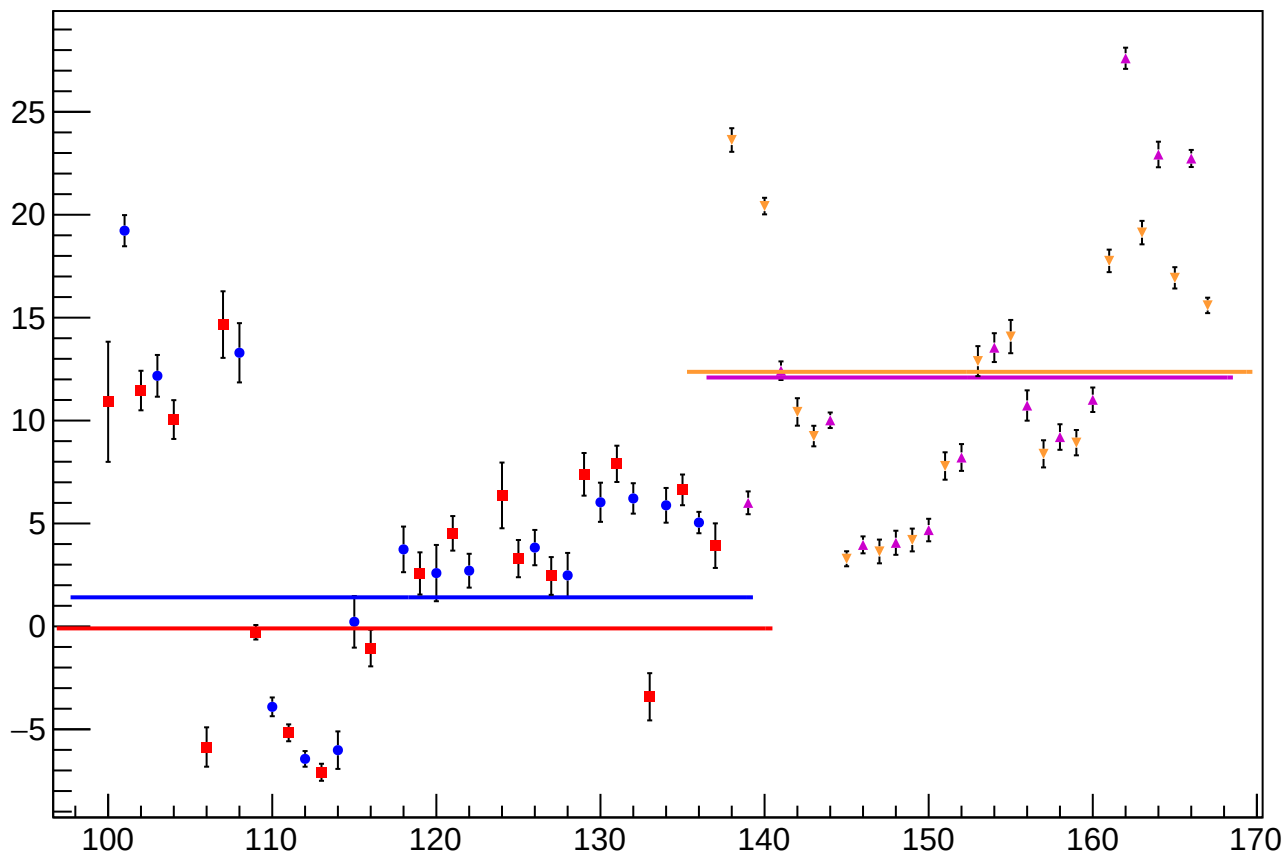
Left In: 0.474 ± 0.006 $\chi^2/\text{NDF}: 154.5/13$

+ sign 0.454 ± 0.006 $\chi^2/\text{NDF}: 750.2/31$

All: 0.449 ± 0.004 $\chi^2/\text{NDF}: 1838.9/64$

- sign 0.443 ± 0.006 $\chi^2/\text{NDF}: 1087.0/32$

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412 ± 0.183 $\chi^2/\text{NDF}: 1522.1/15$

Left Out: 12.368 ± 0.132 $\chi^2/\text{NDF}: 2406.5/15$

Right Out: -0.098 ± 0.167 $\chi^2/\text{NDF}: 1147.2/18$

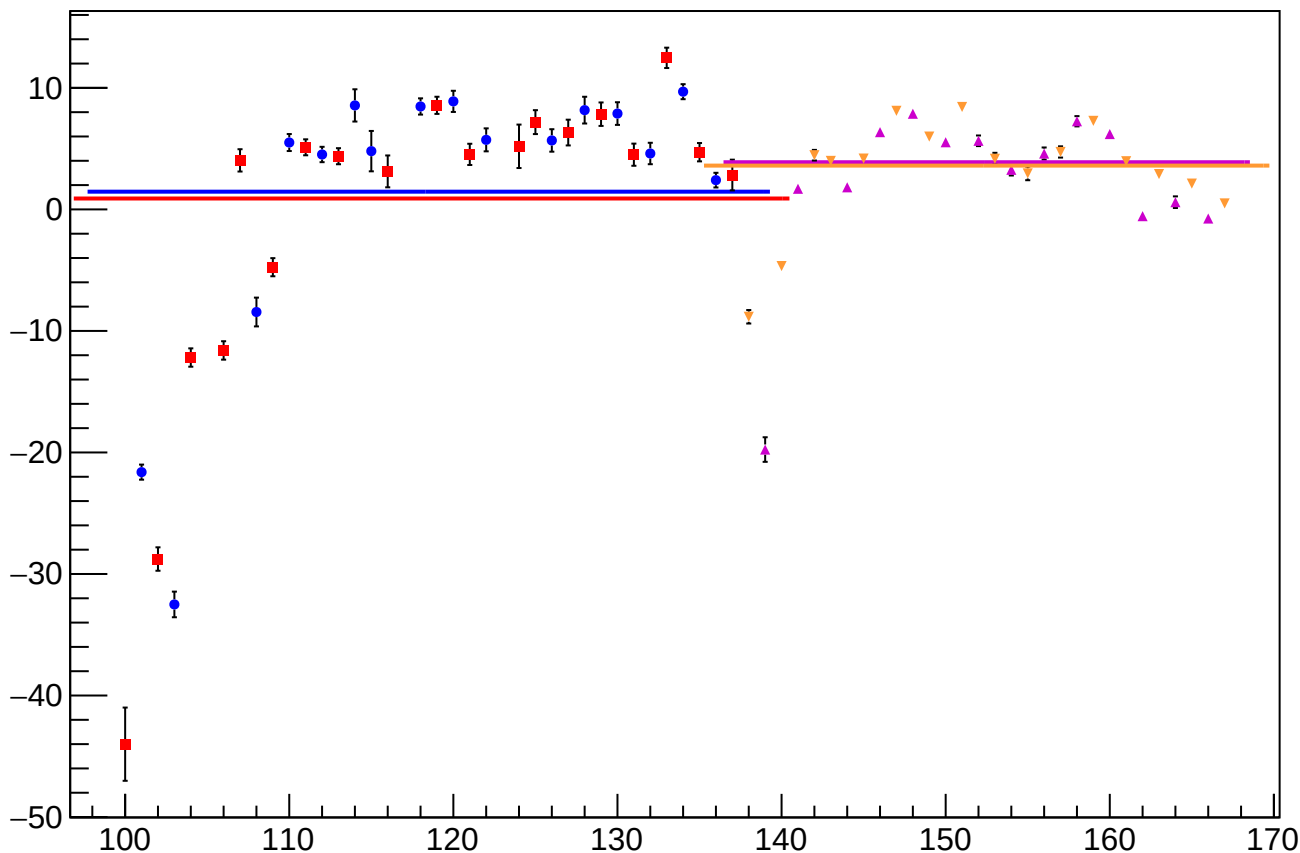
Left In: 12.092 ± 0.140 $\chi^2/\text{NDF}: 2850.4/13$

+ sign 8.607 ± 0.107 $\chi^2/\text{NDF}: 6279.8/31$

All: 7.845 ± 0.076 $\chi^2/\text{NDF}: 13502.6/64$

- sign 7.084 ± 0.107 $\chi^2/\text{NDF}: 7122.1/32$

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: 3.604 ± 0.093 χ^2/NDF : 1853.4/15

Right Out: 0.896 ± 0.202 χ^2/NDF : 2377.1/18

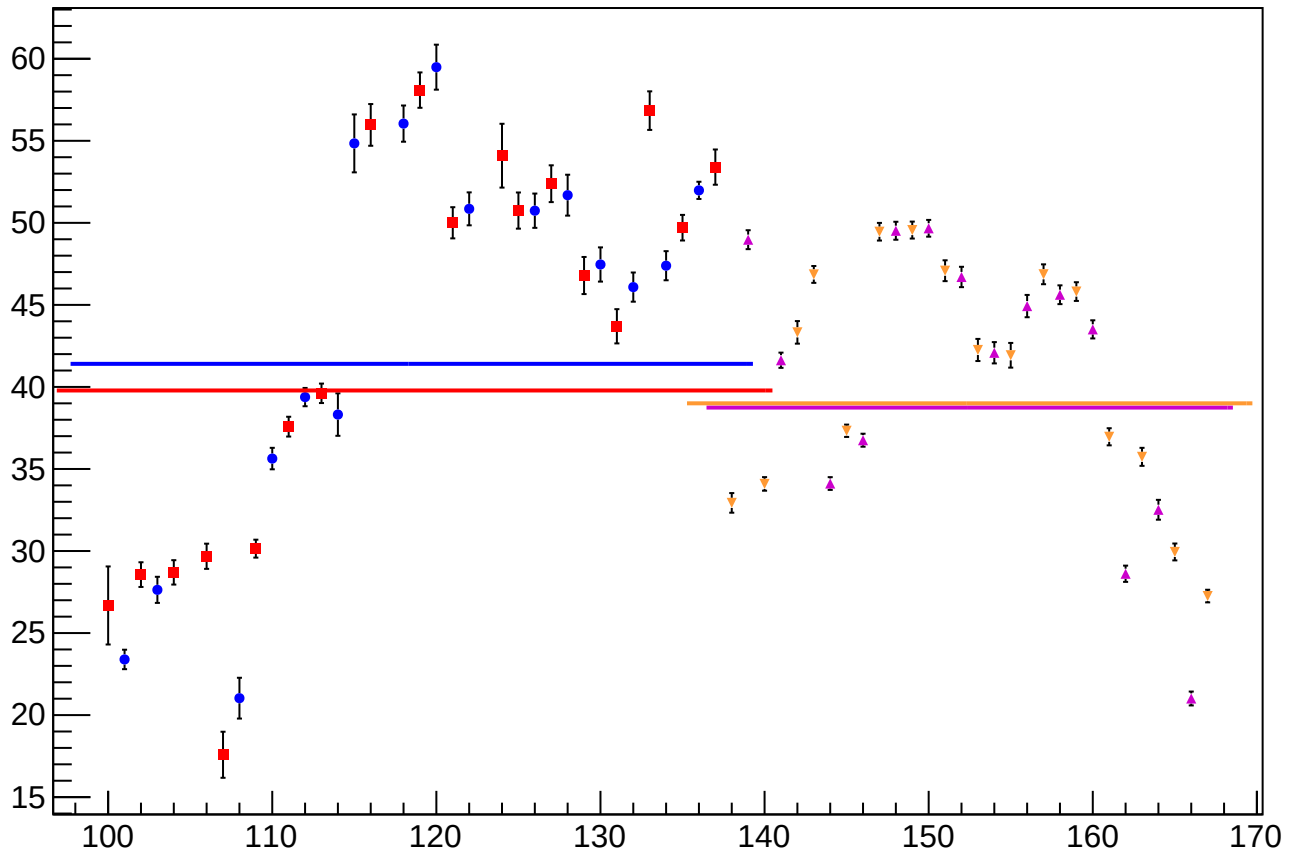
Left In: 3.881 ± 0.097 χ^2/NDF : 1444.5/13

+ sign 3.230 ± 0.085 χ^2/NDF : 5025.5/31

All: 3.274 ± 0.061 χ^2/NDF : 9024.9/64

- sign 3.320 ± 0.088 χ^2/NDF : 3998.8/32

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407 ± 0.211 χ^2/NDF : 2746.0/15

Left Out: 39.001 ± 0.131 χ^2/NDF : 3136.4/15

Right Out: 39.784 ± 0.203 χ^2/NDF : 2653.8/18

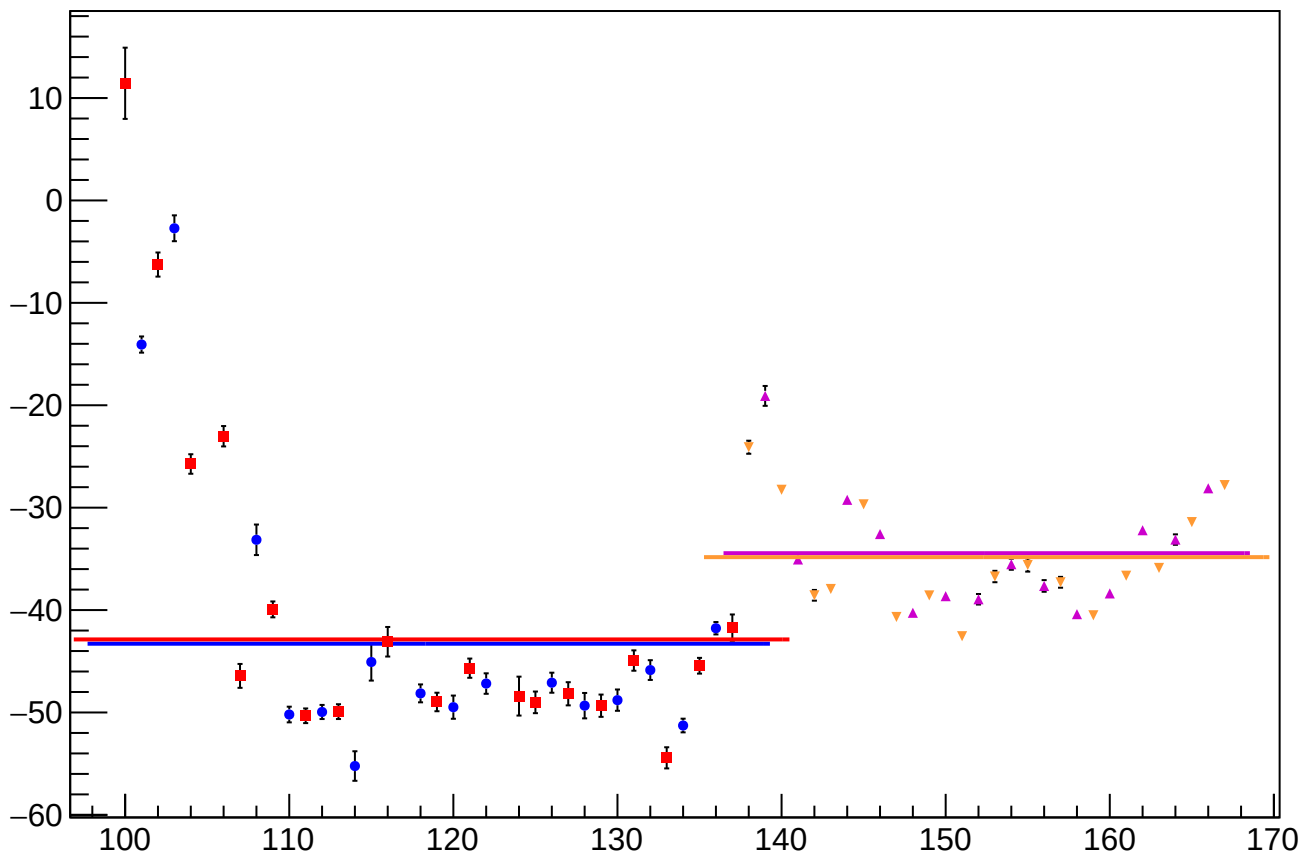
Left In: 38.742 ± 0.136 χ^2/NDF : 4134.9/13

+ sign 39.669 ± 0.111 χ^2/NDF : 5976.7/31

All: 39.374 ± 0.079 χ^2/NDF : 12798.0/64

- sign 39.067 ± 0.113 χ^2/NDF : 6806.9/32

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: -34.832 ± 0.108 $\chi^2/\text{NDF}: 2248.1/15$

Right Out: -42.867 ± 0.229 $\chi^2/\text{NDF}: 2454.2/18$

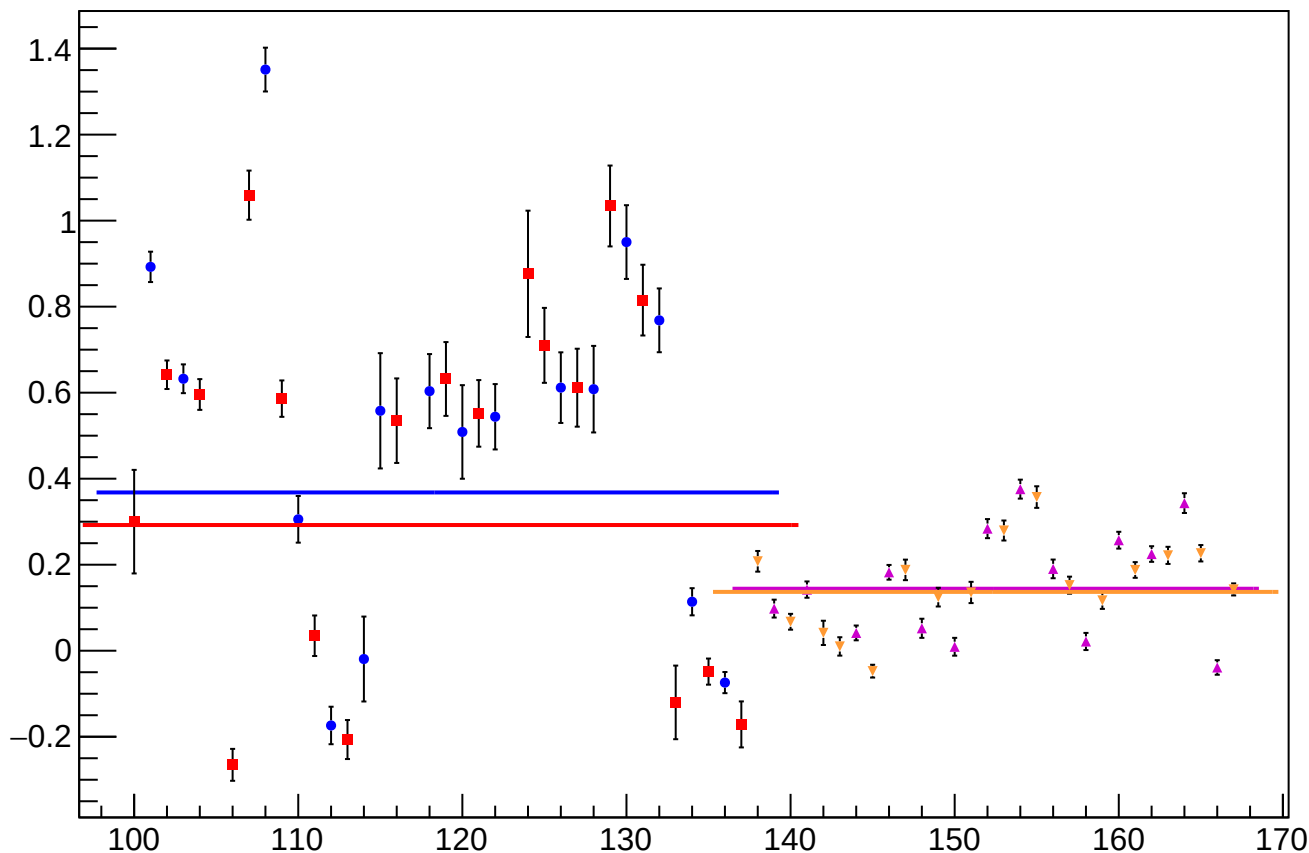
Left In: -34.447 ± 0.113 $\chi^2/\text{NDF}: 1570.0/13$

+ sign -36.375 ± 0.098 $\chi^2/\text{NDF}: 6344.0/31$

All: -36.243 ± 0.070 $\chi^2/\text{NDF}: 11458.0/64$

- sign -36.102 ± 0.102 $\chi^2/\text{NDF}: 5110.2/32$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368 $\pm$ 0.012 χ^2/NDF : 1320.9/15

Left Out: 0.137 $\pm$ 0.005 χ^2/NDF : 392.3/15

Right Out: 0.292 $\pm$ 0.012 χ^2/NDF : 1199.2/18

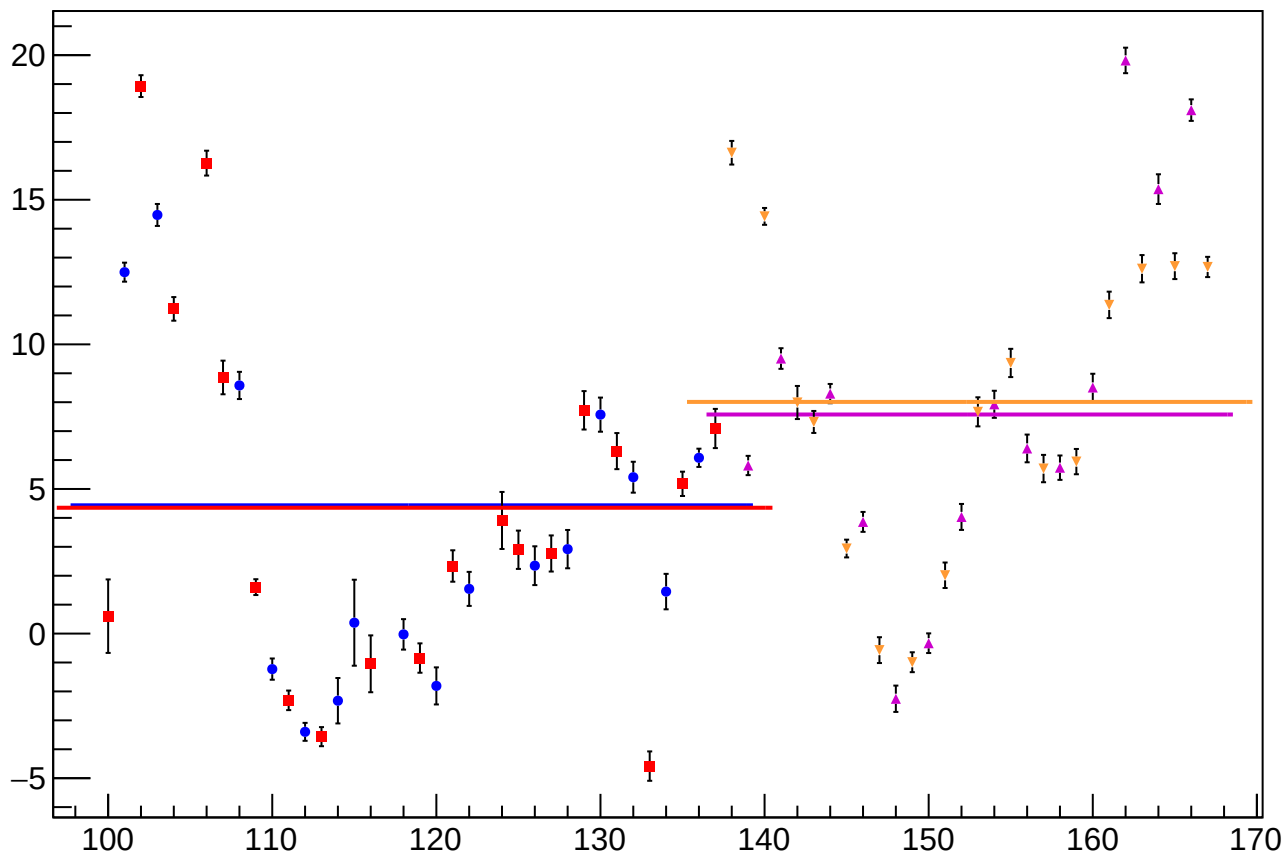
Left In: 0.144 $\pm$ 0.005 χ^2/NDF : 542.5/13

+ sign 0.170 $\pm$ 0.005 χ^2/NDF : 2020.8/31

All: 0.169 $\pm$ 0.003 χ^2/NDF : 3888.5/64

- sign 0.168 $\pm$ 0.005 χ^2/NDF : 1867.6/32

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435 ± 0.117 $\chi^2/\text{NDF}: 2622.0/15$

Left Out: 8.010 ± 0.101 $\chi^2/\text{NDF}: 2933.9/15$

Right Out: 4.351 ± 0.109 $\chi^2/\text{NDF}: 4205.3/18$

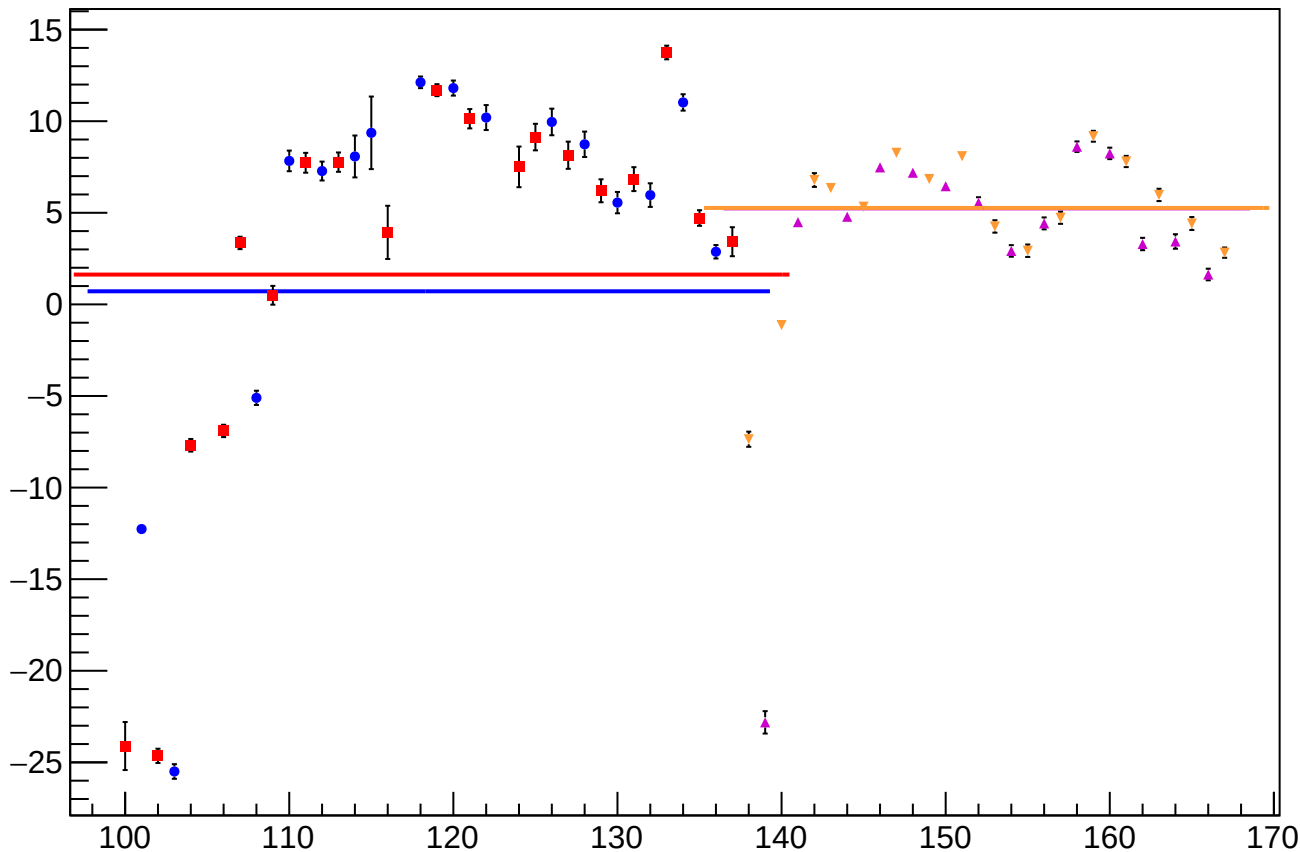
Left In: 7.575 ± 0.107 $\chi^2/\text{NDF}: 3077.0/13$

+ sign 6.476 ± 0.077 $\chi^2/\text{NDF}: 6089.3/31$

All: 6.236 ± 0.054 $\chi^2/\text{NDF}: 13837.4/64$

- sign 5.999 ± 0.076 $\chi^2/\text{NDF}: 7728.6/32$

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: 5.265 ± 0.071 χ^2/NDF : 2424.0/15

Right Out: 1.627 ± 0.111 χ^2/NDF : 9255.5/18

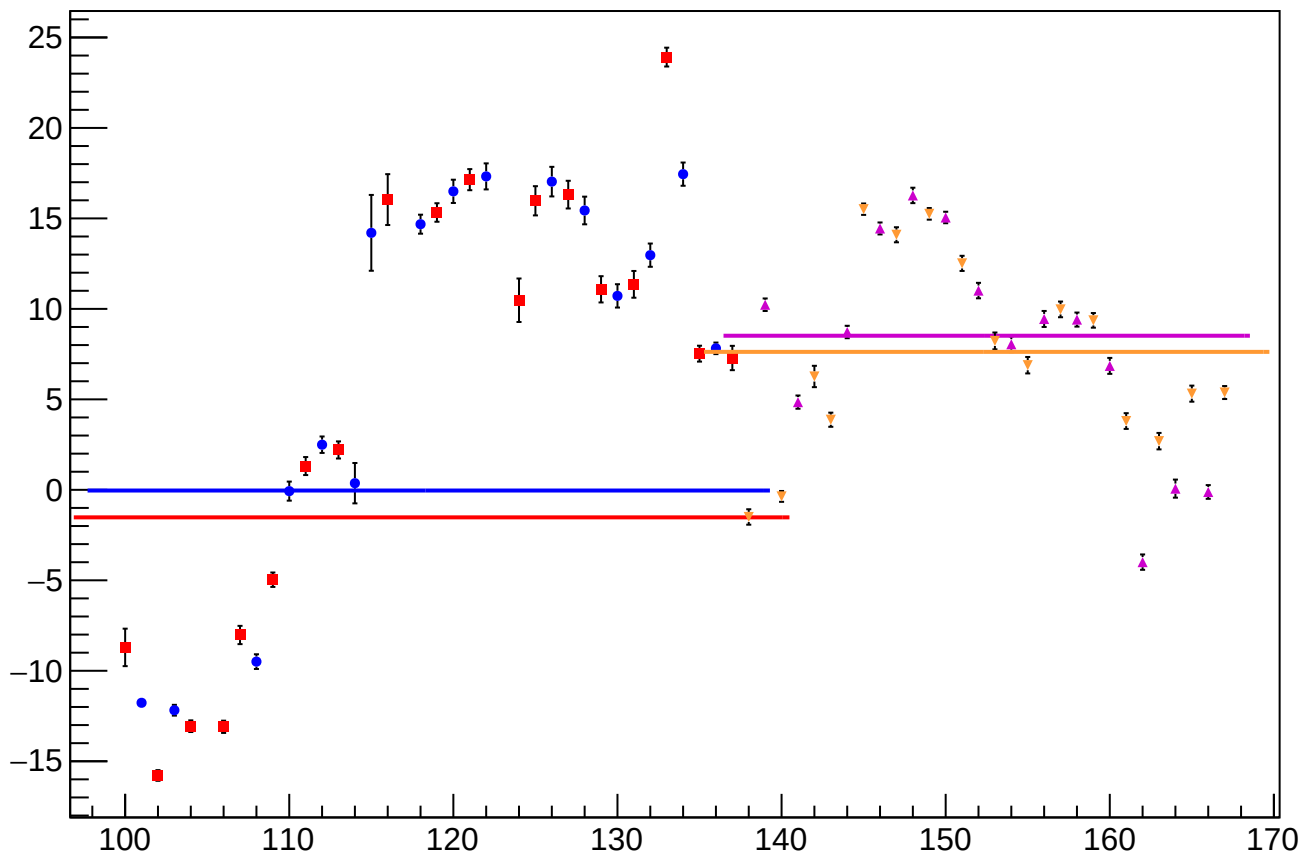
Left In: 5.241 ± 0.076 χ^2/NDF : 2808.4/13

+ sign 4.013 ± 0.061 χ^2/NDF : 13994.6/31

All: 4.051 ± 0.044 χ^2/NDF : 26781.9/64

- sign 4.091 ± 0.063 χ^2/NDF : 12786.5/32

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: 7.624 ± 0.099 χ^2/NDF : 3143.8/15

Right Out: -1.521 ± 0.115 χ^2/NDF : 12130.2/18

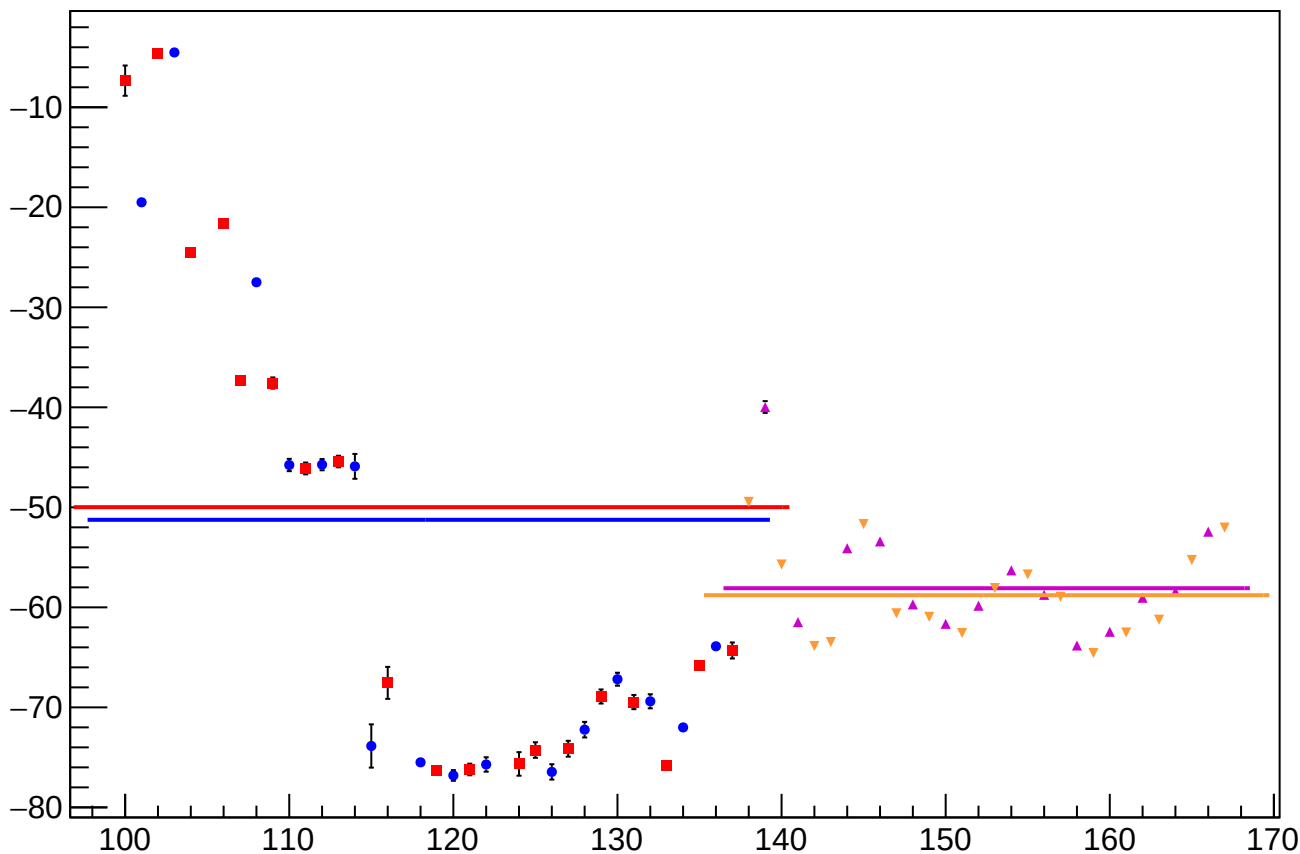
Left In: 8.516 ± 0.104 χ^2/NDF : 2931.6/13

+ sign 4.484 ± 0.076 χ^2/NDF : 14850.1/31

All: 4.252 ± 0.054 χ^2/NDF : 34127.4/64

- sign 4.017 ± 0.077 χ^2/NDF : 19258.8/32

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246 $\pm$ 0.136 χ^2 /NDF: 33765.2/15

Left Out: -58.785 $\pm$ 0.083 χ^2 /NDF: 2817.6/15

Right Out: -49.983 $\pm$ 0.131 χ^2 /NDF: 33892.5/18

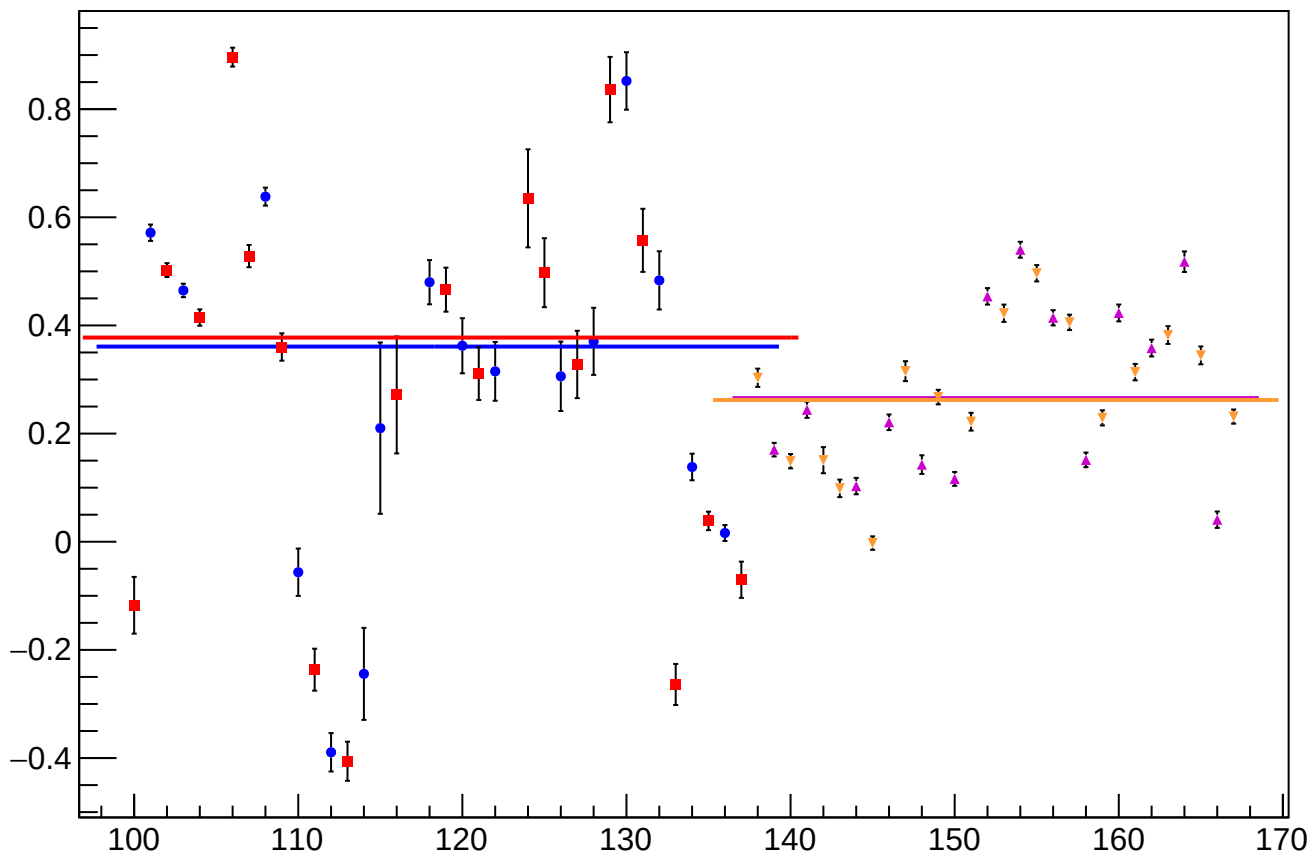
Left In: -58.087 $\pm$ 0.088 χ^2 /NDF: 2657.6/13

+ sign -56.733 $\pm$ 0.071 χ^2 /NDF: 38827.3/31

All: -56.168 $\pm$ 0.051 χ^2 /NDF: 78160.1/64

- sign -55.571 $\pm$ 0.073 χ^2 /NDF: 39202.0/32

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361 ± 0.006 χ^2/NDF : 1860.0/15

Left Out: 0.262 ± 0.004 χ^2/NDF : 1210.6/15

Right Out: 0.378 ± 0.006 χ^2/NDF : 2790.5/18

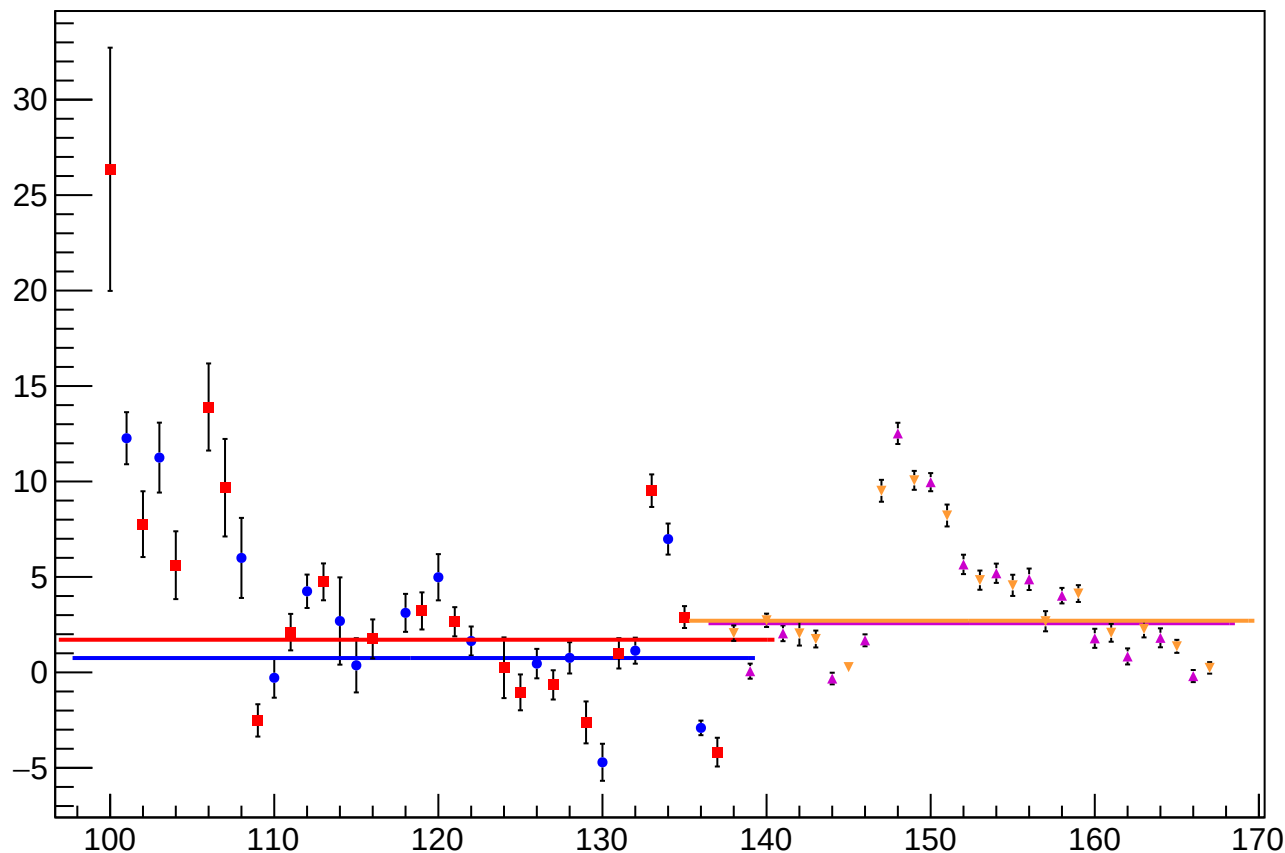
Left In: 0.266 ± 0.004 χ^2/NDF : 1583.5/13

+ sign 0.288 ± 0.003 χ^2/NDF : 3248.0/31

All: 0.293 ± 0.002 χ^2/NDF : 7863.6/64

- sign 0.299 ± 0.003 χ^2/NDF : 4610.6/32

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752 ± 0.212 χ^2/NDF : 330.1/15

Left Out: 2.705 ± 0.105 χ^2/NDF : 671.9/15

Right Out: 1.710 ± 0.223 χ^2/NDF : 293.8/18

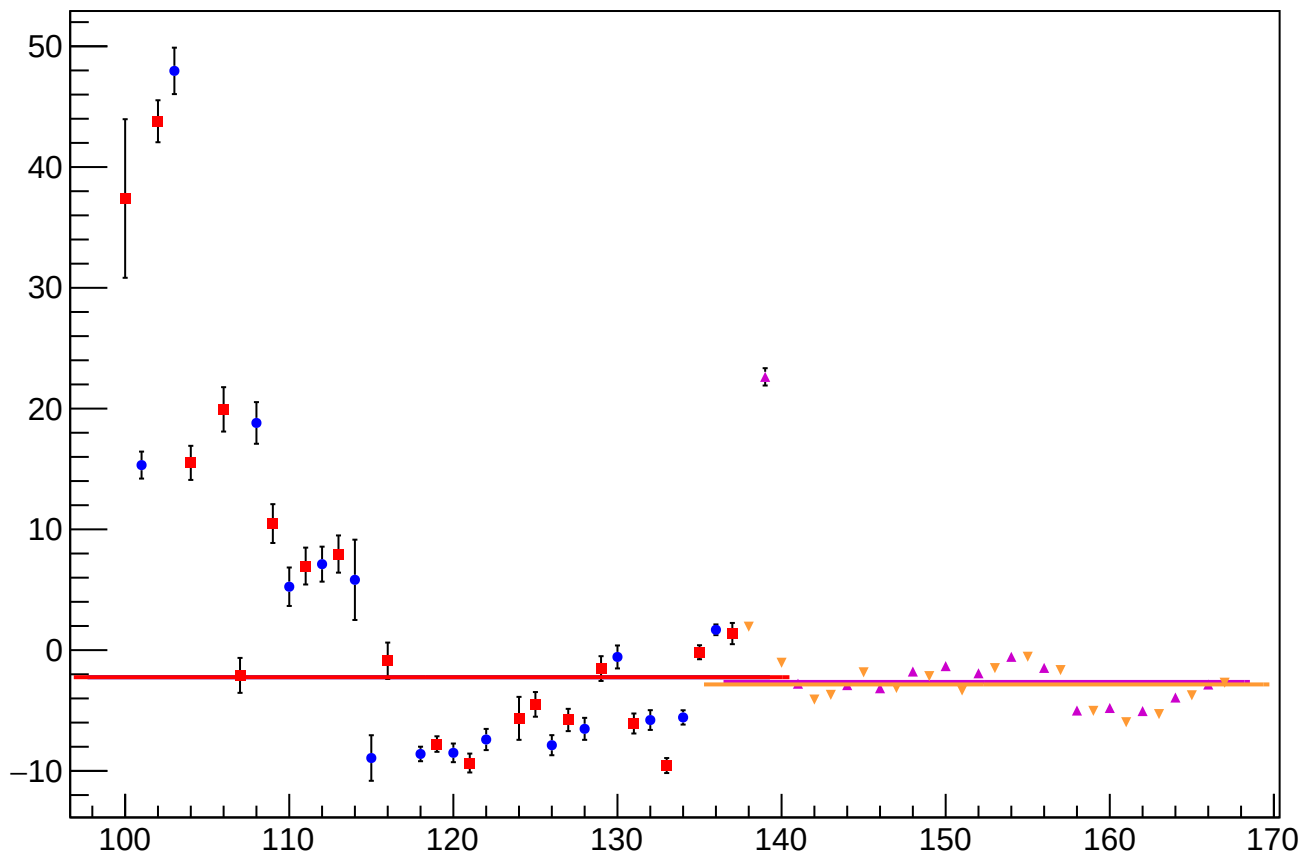
Left In: 2.574 ± 0.111 χ^2/NDF : 893.6/13

+ sign 2.324 ± 0.094 χ^2/NDF : 1070.1/31

All: 2.362 ± 0.068 χ^2/NDF : 2269.9/64

- sign 2.404 ± 0.099 χ^2/NDF : 1199.5/32

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: -2.839 ± 0.076 χ^2/NDF : 517.4/15

Right Out: -2.242 ± 0.229 χ^2/NDF : 1555.6/18

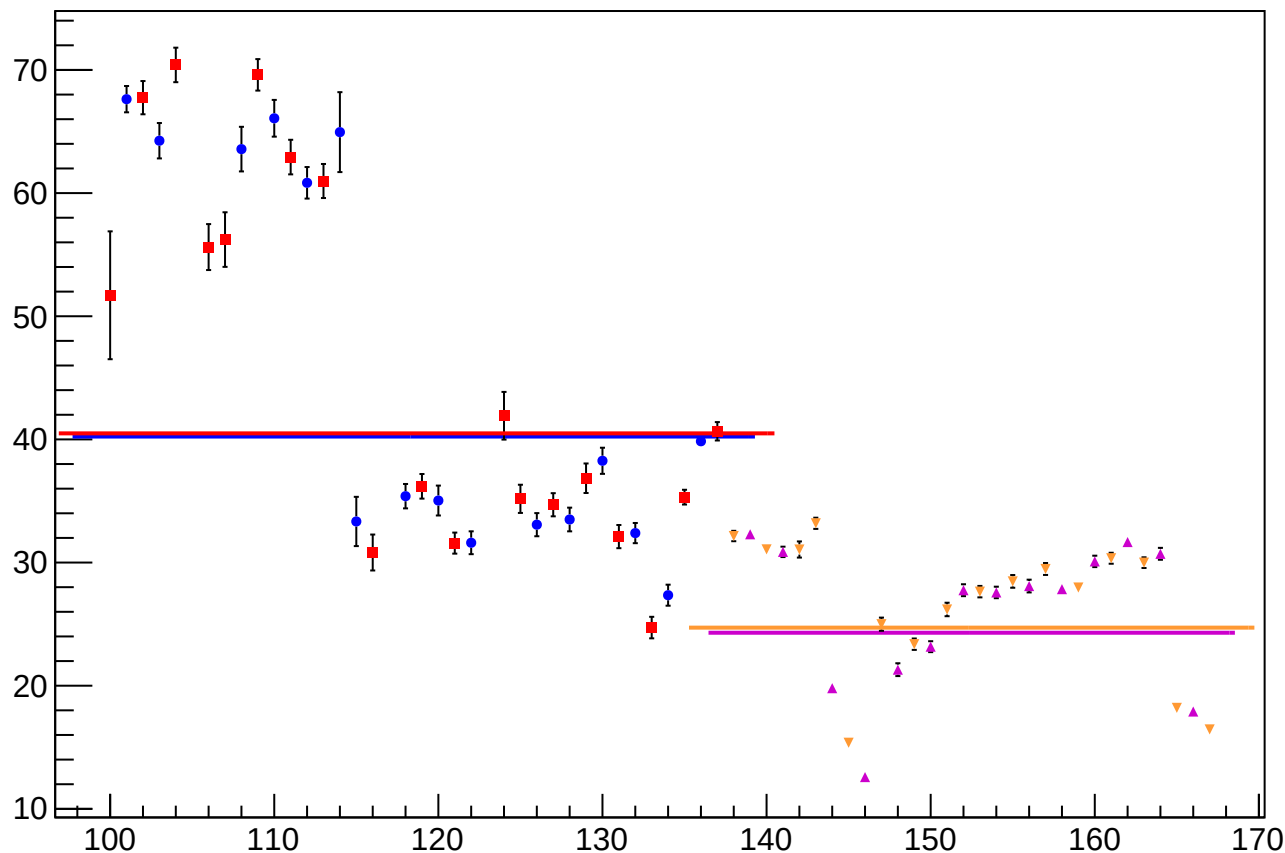
Left In: -2.634 ± 0.079 χ^2/NDF : 1510.2/13

+ sign -2.774 ± 0.071 χ^2/NDF : 2096.7/31

All: -2.687 ± 0.052 χ^2/NDF : 5168.3/64

- sign -2.592 ± 0.075 χ^2/NDF : 3068.5/32

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: 24.715 $\pm$ 0.103 χ^2 /NDF:3908.9/15

Right Out: 40.490 $\pm$ 0.250 χ^2 /NDF: 2698.0/18

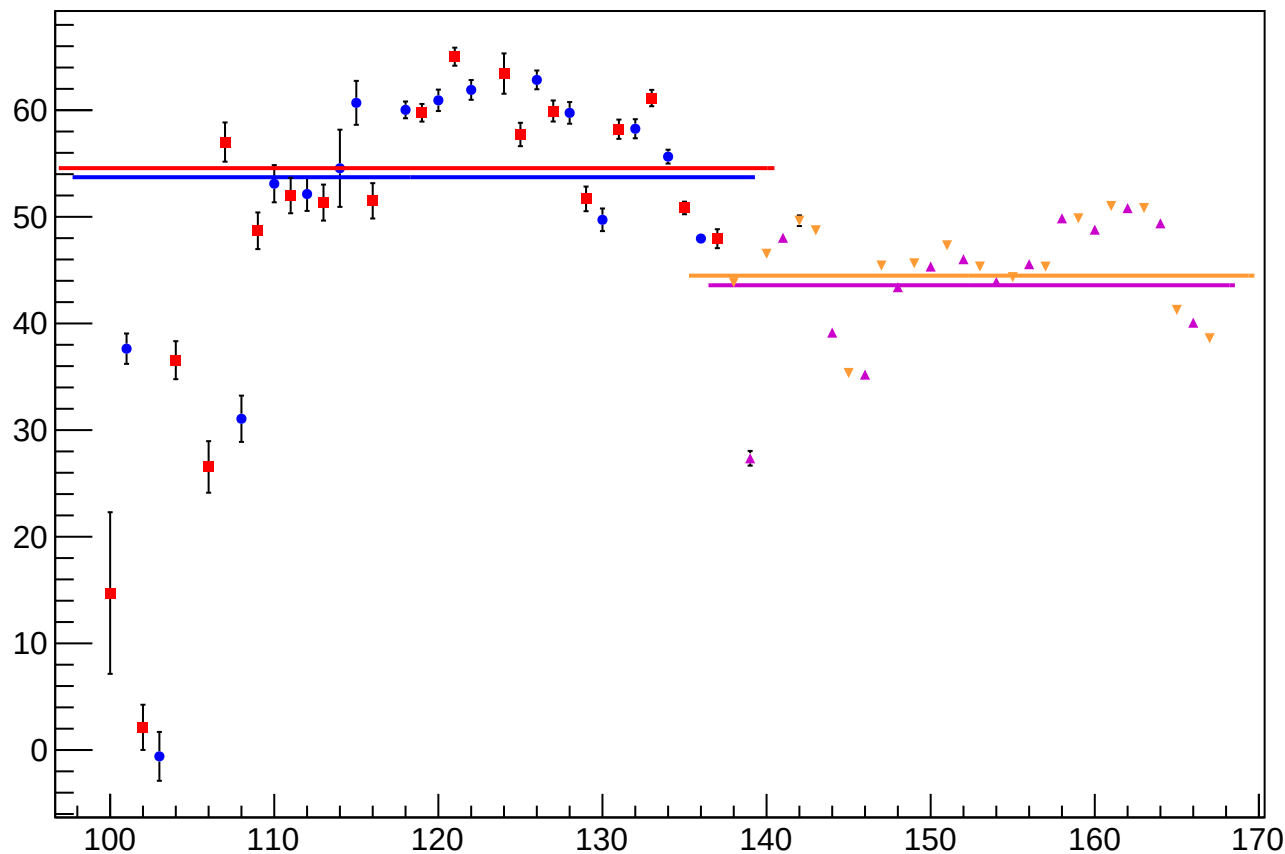
Left In: 24.301 $\pm$ 0.108 χ^2 /NDF:3672.7/13

+ sign 27.293 $\pm$ 0.094 χ^2 /NDF: 9948.5/31

All: 27.077 $\pm$ 0.068 χ^2 /NDF: 19853.9/64

- sign 26.839 $\pm$ 0.099 χ^2 /NDF: 9894.4/32

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: 44.486 $\pm$ 0.086 χ^2/NDF : 3382.5/15

Right Out: 54.565 $\pm$ 0.256 χ^2/NDF : 1342.6/18

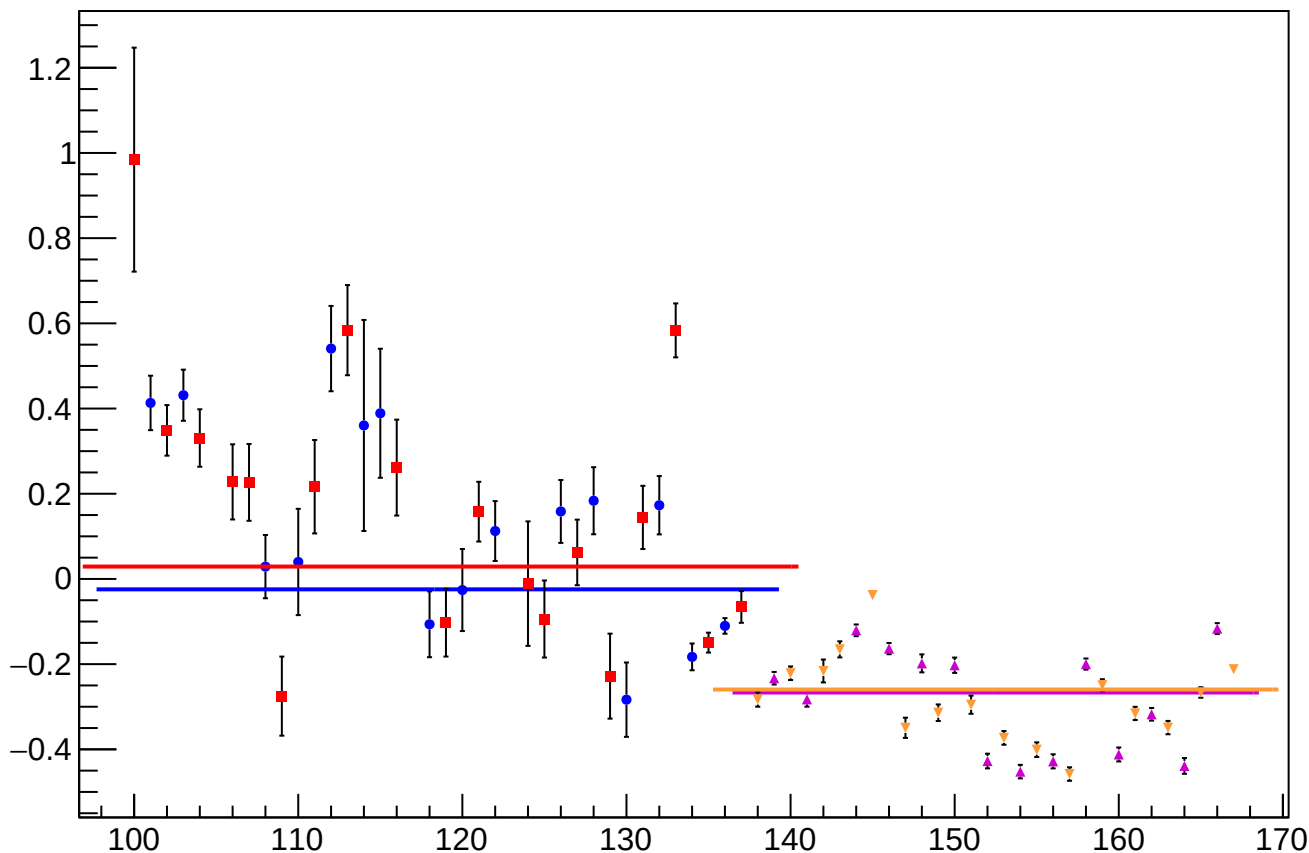
Left In: 43.583 $\pm$ 0.091 χ^2/NDF : 3815.2/13

+ sign 45.552 $\pm$ 0.081 χ^2/NDF : 6064.0/31

All: 45.197 $\pm$ 0.059 χ^2/NDF : 12895.9/64

- sign 44.805 $\pm$ 0.085 χ^2/NDF : 6791.7/32

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: -0.260 ± 0.004 χ^2/NDF : 821.2/15

Right Out: 0.029 ± 0.014 χ^2/NDF : 276.4/18

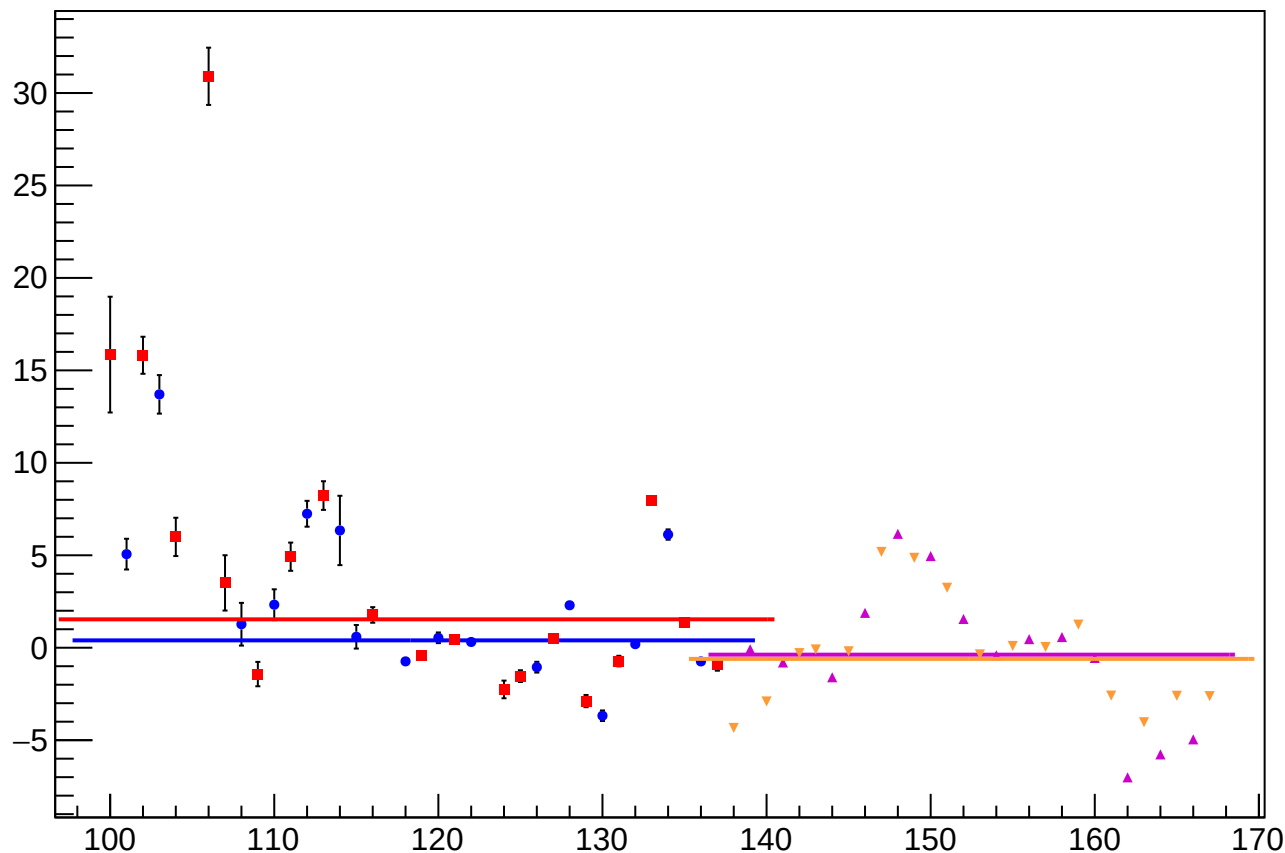
Left In: -0.267 ± 0.004 χ^2/NDF : 863.2/13

+ sign -0.240 ± 0.004 χ^2/NDF : 1359.6/31

All: -0.241 ± 0.003 χ^2/NDF : 2896.9/64

- sign -0.244 ± 0.004 χ^2/NDF : 1536.8/32

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: -0.603 ± 0.040 χ^2/NDF : 4424.5/15

Right Out: 1.536 ± 0.078 χ^2/NDF : 2411.2/18

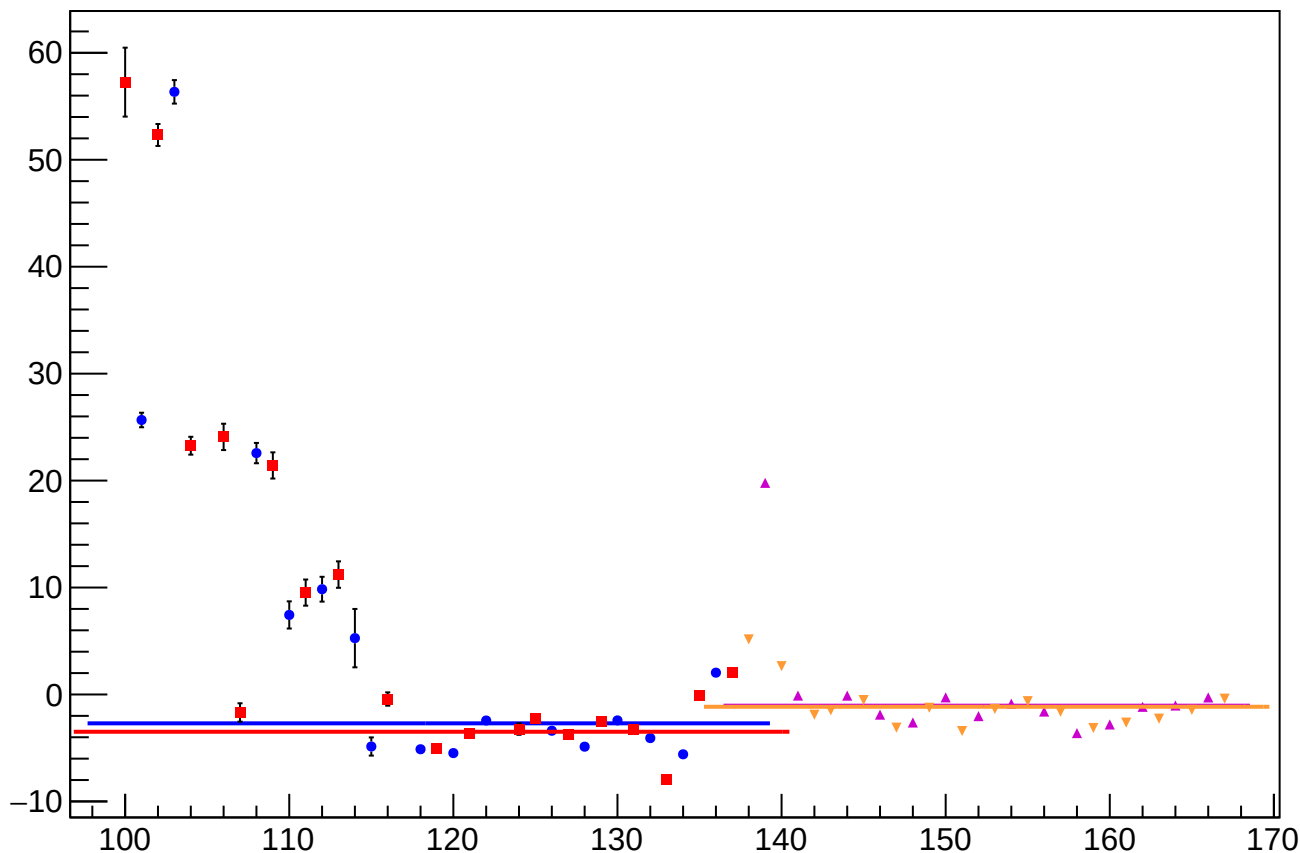
Left In: -0.375 ± 0.042 χ^2/NDF : 6368.1/13

+ sign -0.390 ± 0.036 χ^2/NDF : 5654.7/31

All: -0.178 ± 0.026 χ^2/NDF : 14972.3/64

- sign 0.048 ± 0.037 χ^2/NDF : 9244.4/32

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: -1.149 ± 0.029 χ^2/NDF : 4251.3/15

Right Out: -3.486 ± 0.071 χ^2/NDF : 7159.9/18

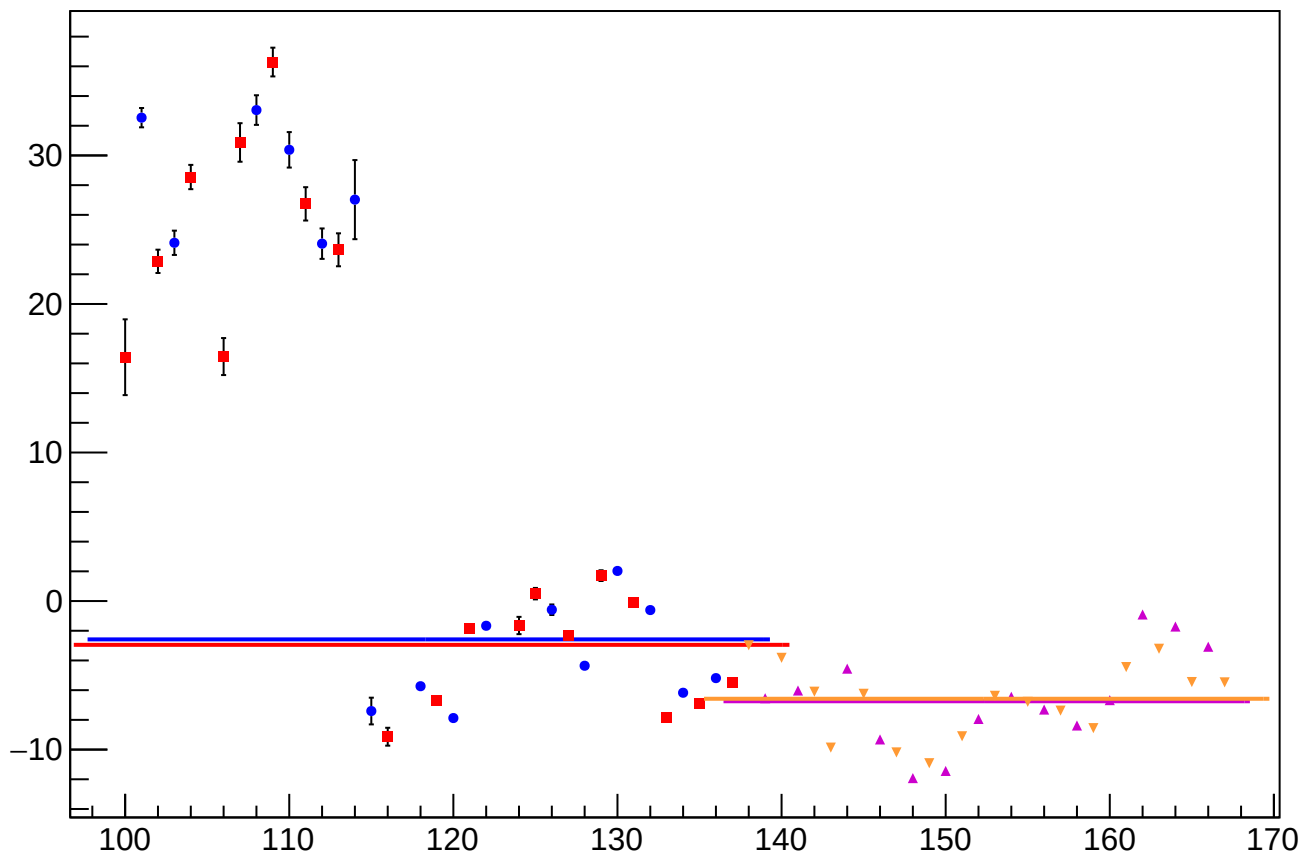
Left In: -1.047 ± 0.030 χ^2/NDF : 8121.3/13

+ sign -1.370 ± 0.027 χ^2/NDF : 11766.9/31

All: -1.390 ± 0.019 χ^2/NDF : 28056.4/64

- sign -1.412 ± 0.027 χ^2/NDF : 16288.2/32

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: -6.579 ± 0.040 χ^2/NDF : 3537.4/15

Right Out: -2.948 ± 0.085 χ^2/NDF : 8196.4/18

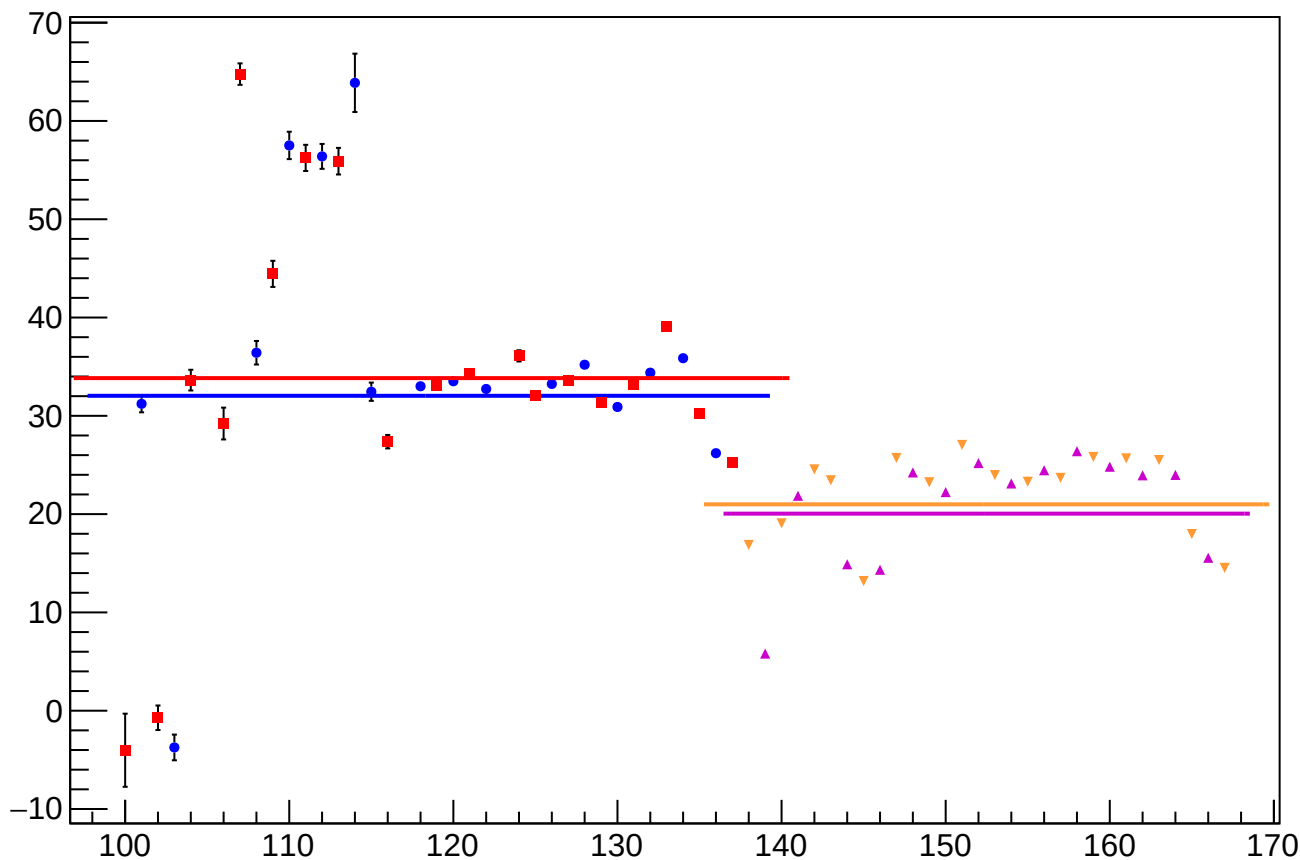
Left In: -6.747 ± 0.041 χ^2/NDF : 5541.7/13

+ sign -5.840 ± 0.036 χ^2/NDF : 13583.5/31

All: -5.935 ± 0.026 χ^2/NDF : 28961.9/64

- sign -6.036 ± 0.037 χ^2/NDF : 15363.8/32

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038 $\pm$ 0.081 χ^2/NDF : 3255.9/15

Left Out: 20.996 $\pm$ 0.033 χ^2/NDF : 21189.5/15

Right Out: 33.837 $\pm$ 0.082 χ^2/NDF : 4237.8/18

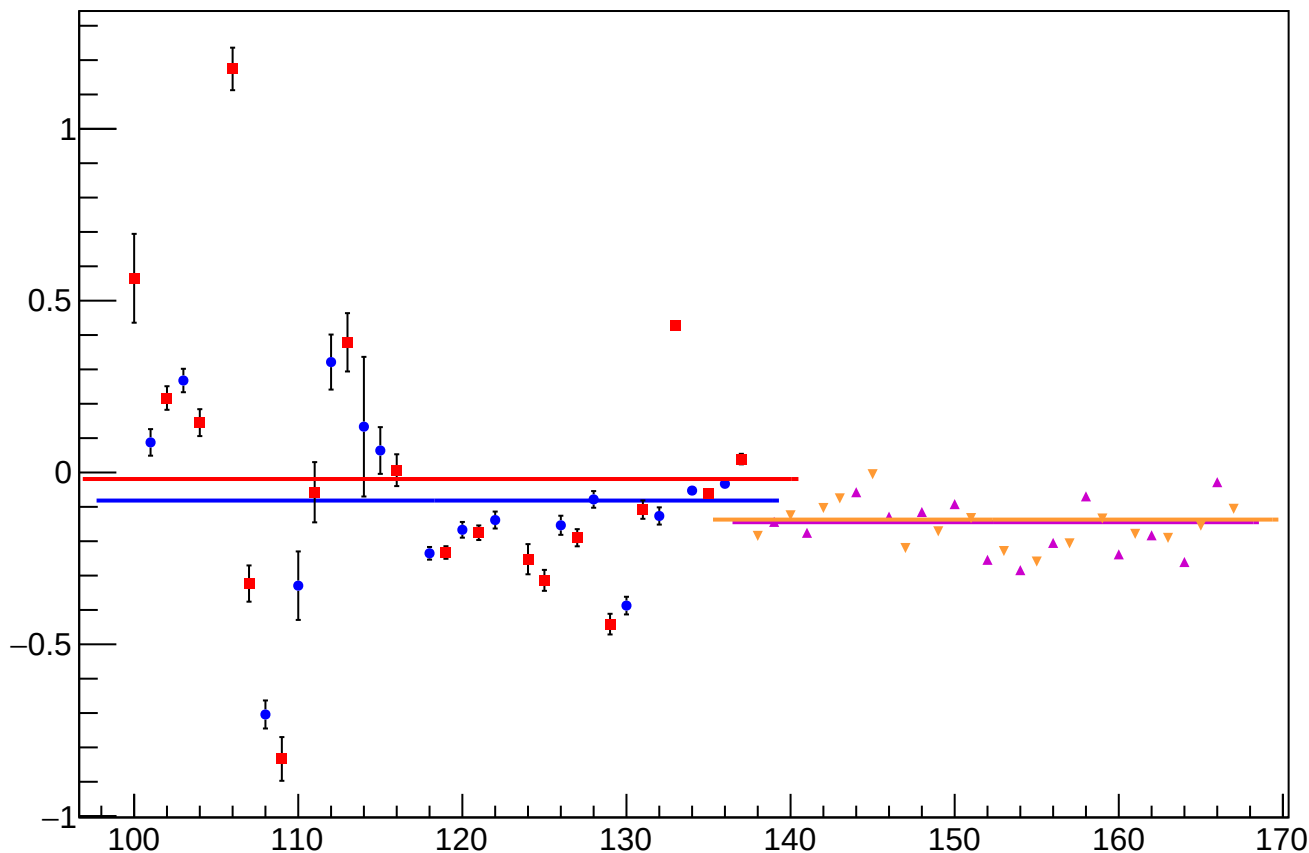
Left In: 20.048 $\pm$ 0.034 χ^2/NDF : 20721.5/13

+ sign 22.584 $\pm$ 0.031 χ^2/NDF : 40244.5/31

All: 22.366 $\pm$ 0.022 χ^2/NDF : 89530.5/64

- sign 22.135 $\pm$ 0.032 χ^2/NDF : 49183.1/32

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: -0.137 ± 0.002 χ^2/NDF : 2211.8/15

Right Out: -0.019 ± 0.005 χ^2/NDF : 2273.7/18

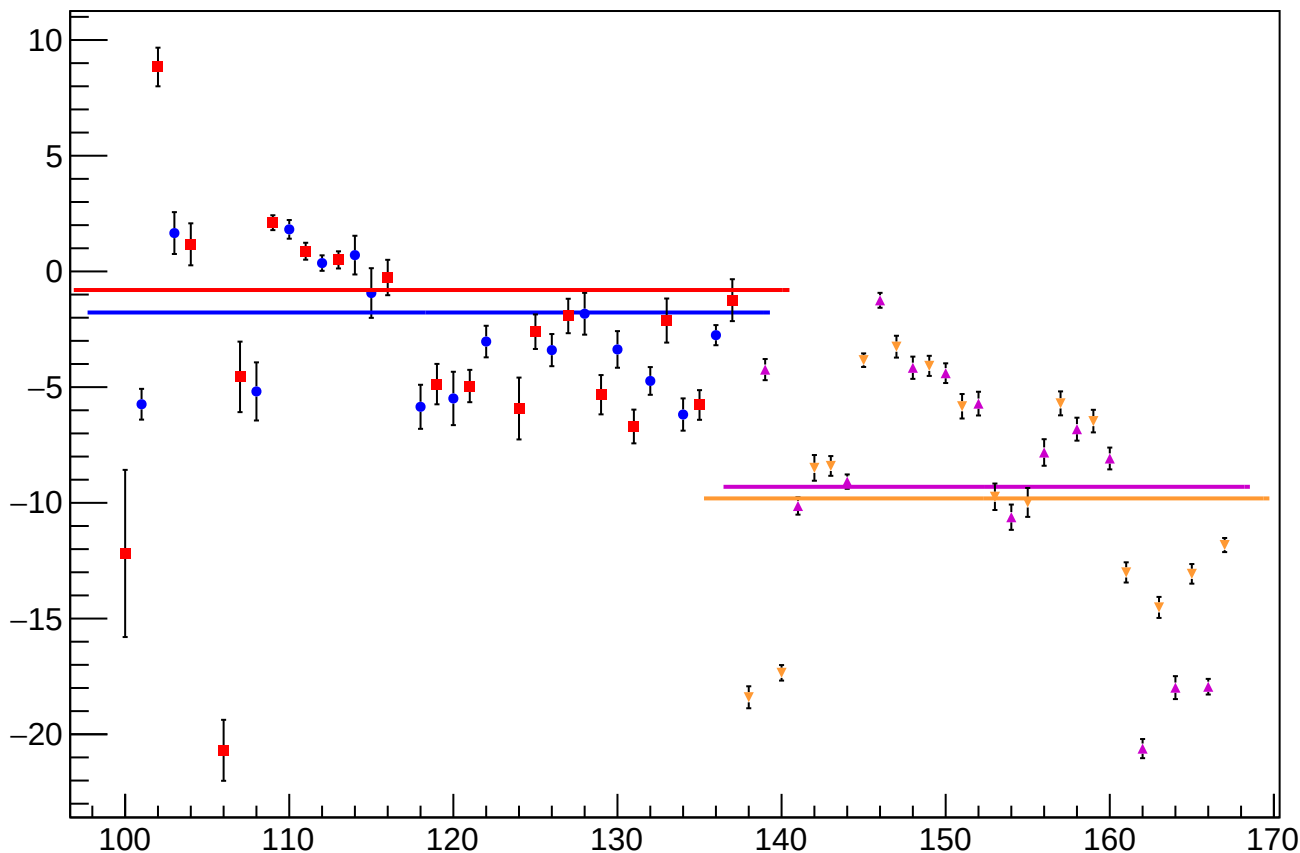
Left In: -0.145 ± 0.002 χ^2/NDF : 2408.3/13

+ sign -0.132 ± 0.001 χ^2/NDF : 3020.8/31

All: -0.133 ± 0.001 χ^2/NDF : 8238.6/64

- sign -0.134 ± 0.002 χ^2/NDF : 5217.0/32

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775 ± 0.157 χ^2/NDF : 297.7/15

Left Out: -9.808 ± 0.107 χ^2/NDF : 2061.4/15

Right Out: -0.803 ± 0.148 χ^2/NDF : 733.7/18

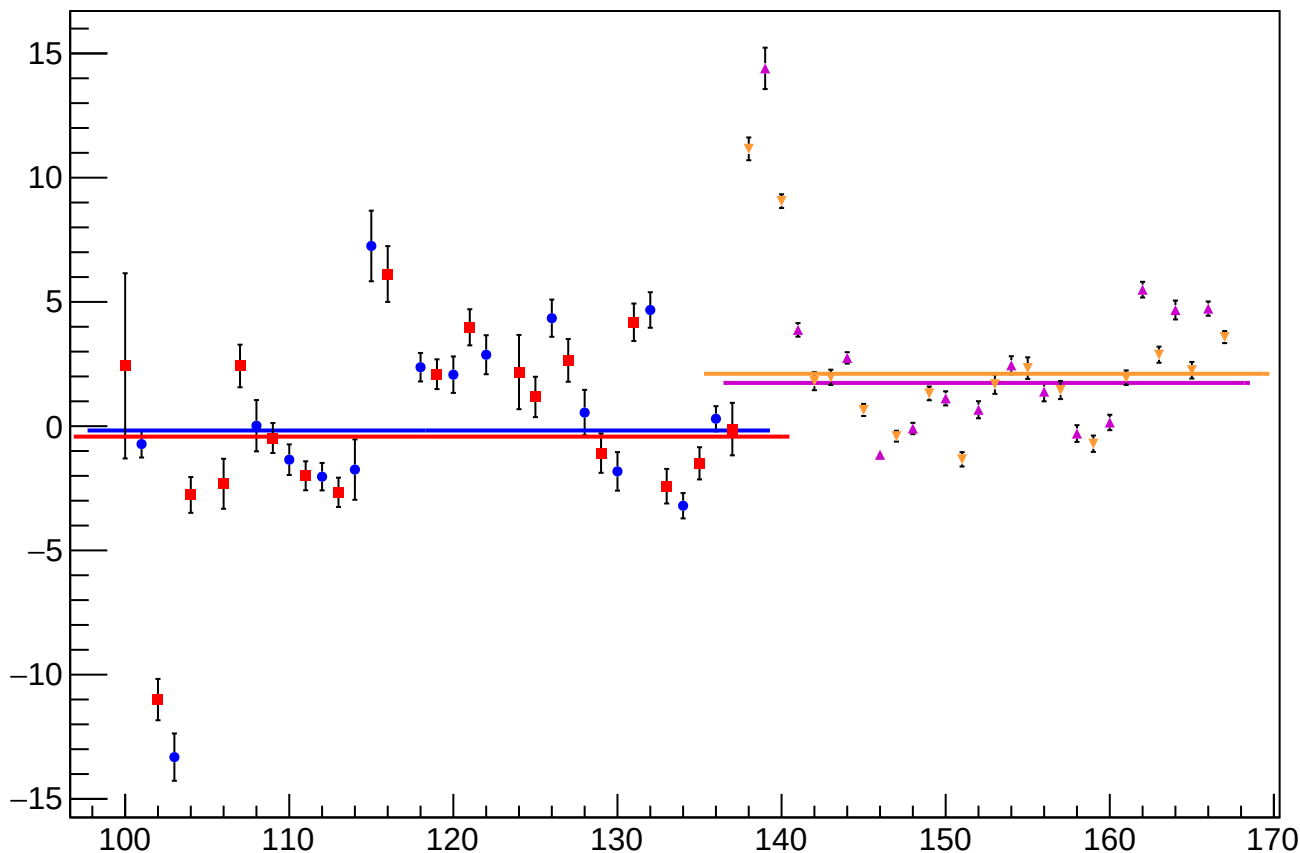
Left In: -9.307 ± 0.112 χ^2/NDF : 2800.1/13

+ sign -7.258 ± 0.089 χ^2/NDF : 4143.1/31

All: -6.737 ± 0.063 χ^2/NDF : 9834.9/64

- sign -6.205 ± 0.090 χ^2/NDF : 5621.9/32

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174 ± 0.173 χ^2/NDF : 403.1/15

Left Out: 2.108 ± 0.076 χ^2/NDF : 1459.9/15

Right Out: -0.421 ± 0.177 χ^2/NDF : 366.3/18

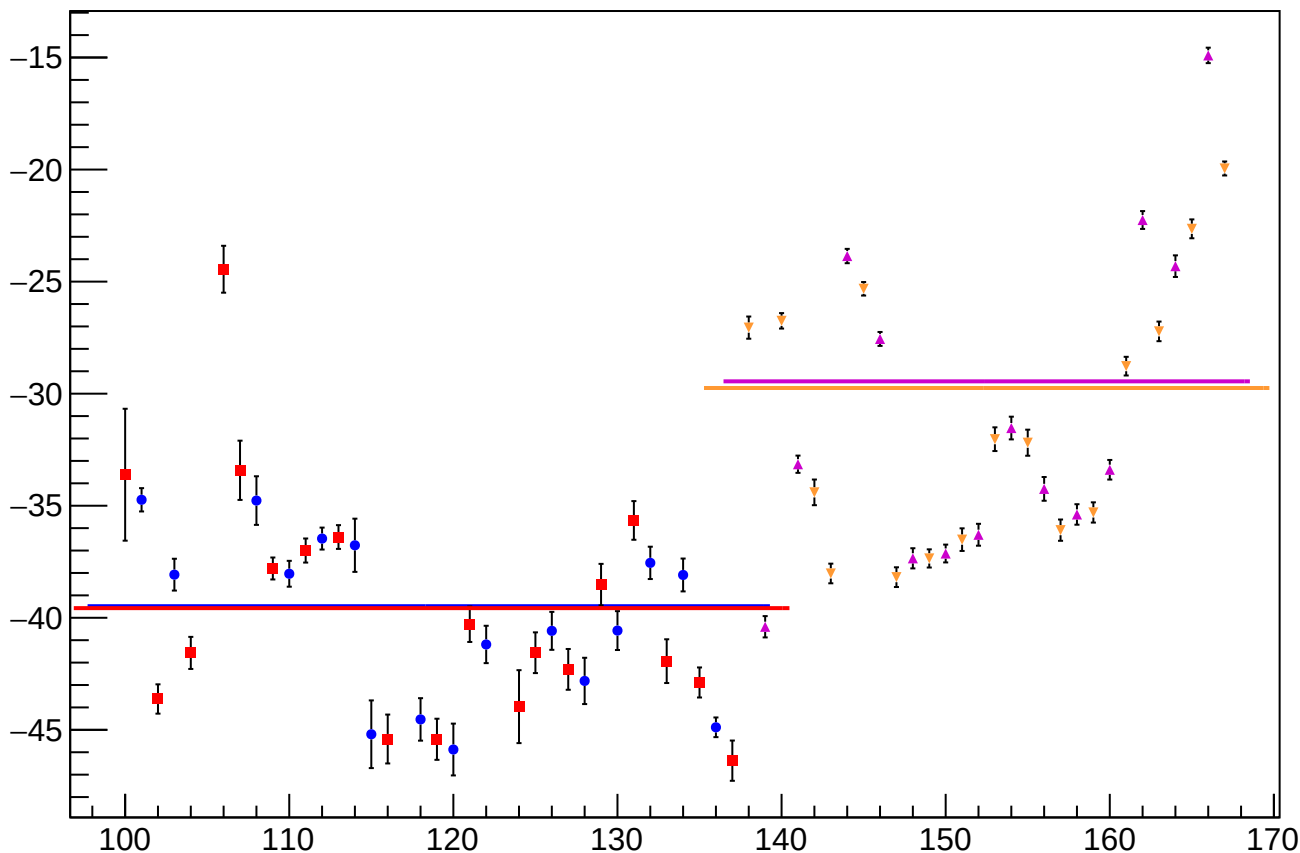
Left In: 1.740 ± 0.078 χ^2/NDF : 988.2/13

+ sign 1.742 ± 0.069 χ^2/NDF : 2009.2/31

All: 1.571 ± 0.050 χ^2/NDF : 3500.9/64

- sign 1.386 ± 0.072 χ^2/NDF : 1478.9/32

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484 ± 0.180 χ^2/NDF : 409.3/15

Left Out: -29.747 ± 0.106 χ^2/NDF : 3315.8/15

Right Out: -39.570 ± 0.181 χ^2/NDF : 553.5/18

Left In: -29.450 ± 0.110 χ^2/NDF : 4411.0/13

+ sign -32.236 ± 0.091 χ^2/NDF : 5897.9/31

All: -32.201 ± 0.065 χ^2/NDF : 13150.5/64

- sign -32.165 ± 0.094 χ^2/NDF : 7252.4/32

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: 27.932 $\pm$ 0.088 χ^2 /NDF: 1065.5/15

Right Out: 16.775 $\pm$ 0.200 χ^2 /NDF: 6739.1/18

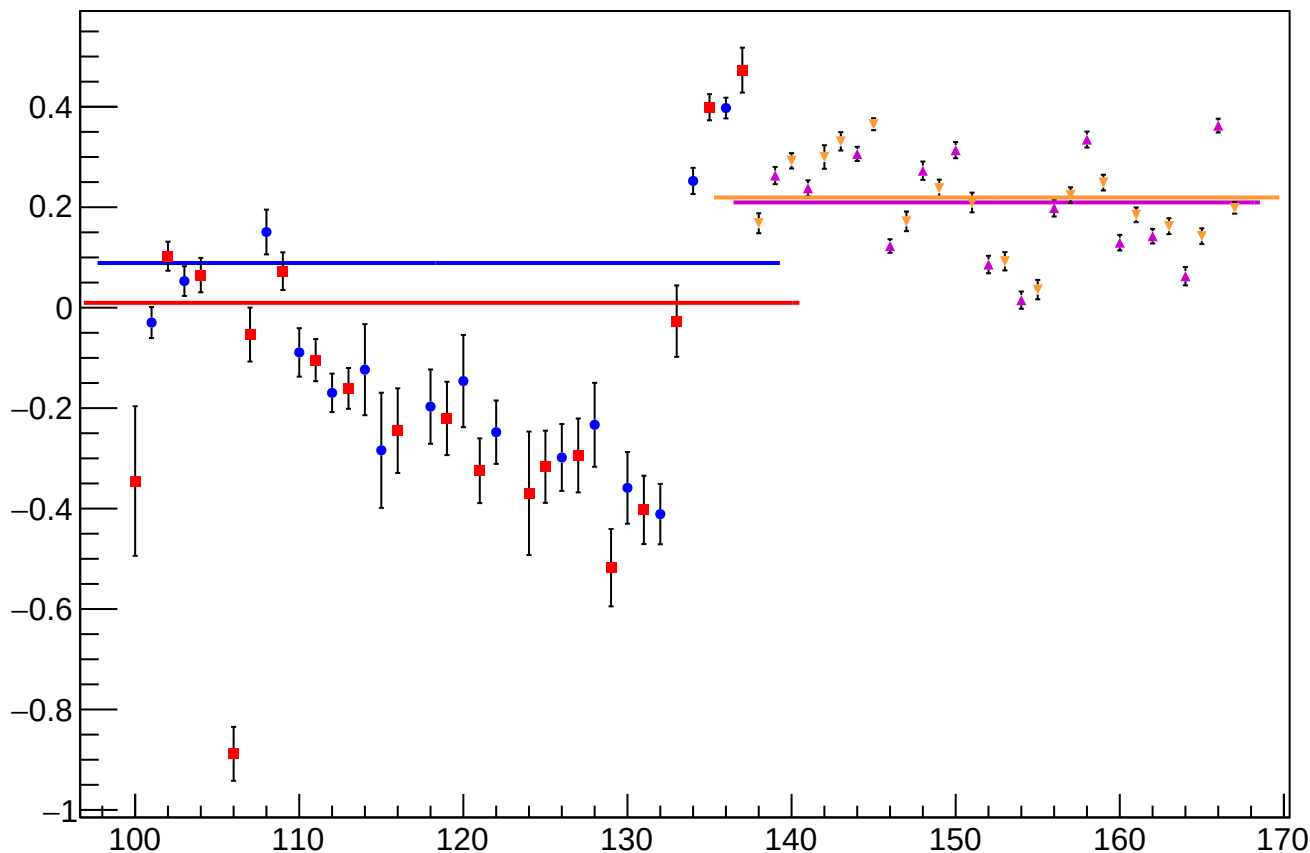
Left In: 28.054 $\pm$ 0.091 χ^2 /NDF: 579.7/13

+ sign 26.623 $\pm$ 0.080 χ^2 /NDF: 9082.6/31

All: 26.377 $\pm$ 0.057 χ^2 /NDF: 19061.7/64

- sign 26.113 $\pm$ 0.083 χ^2 /NDF: 9959.5/32

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: 0.219 $\pm$ 0.004 χ^2 /NDF:423.2/15

Right Out: 0.010 $\pm$ 0.011 χ^2 /NDF: 834.8/18

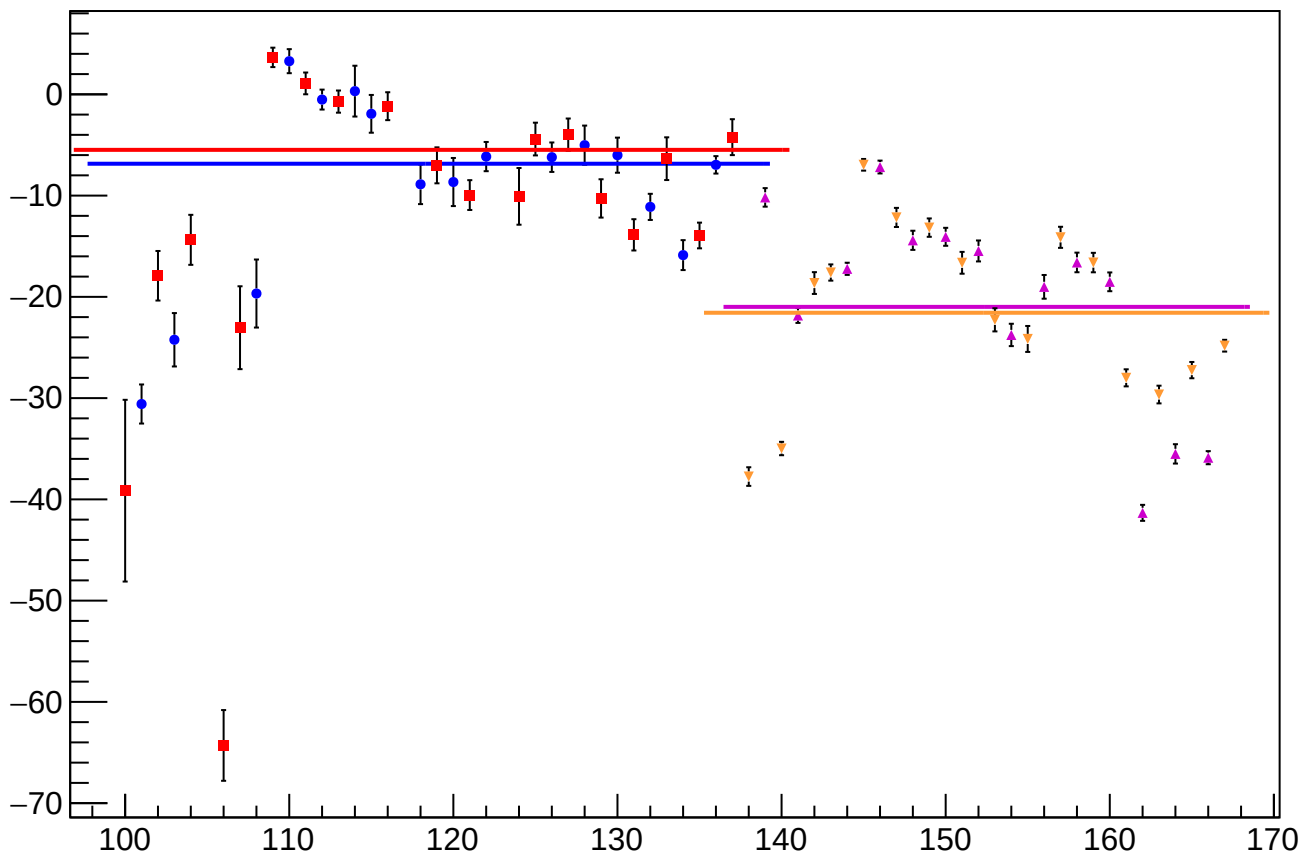
Left In: 0.210 $\pm$ 0.004 χ^2 /NDF:630.1/13

+ sign 0.202 $\pm$ 0.004 χ^2 /NDF: 1123.7/31

All: 0.194 $\pm$ 0.003 χ^2 /NDF: 2887.3/64

- sign 0.184 $\pm$ 0.004 χ^2 /NDF: 1752.0/32

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853 ± 0.376 χ^2/NDF : 390.1/15

Left Out: -21.570 ± 0.210 χ^2/NDF : 1909.5/15

Right Out: -5.483 ± 0.369 χ^2/NDF : 606.5/18

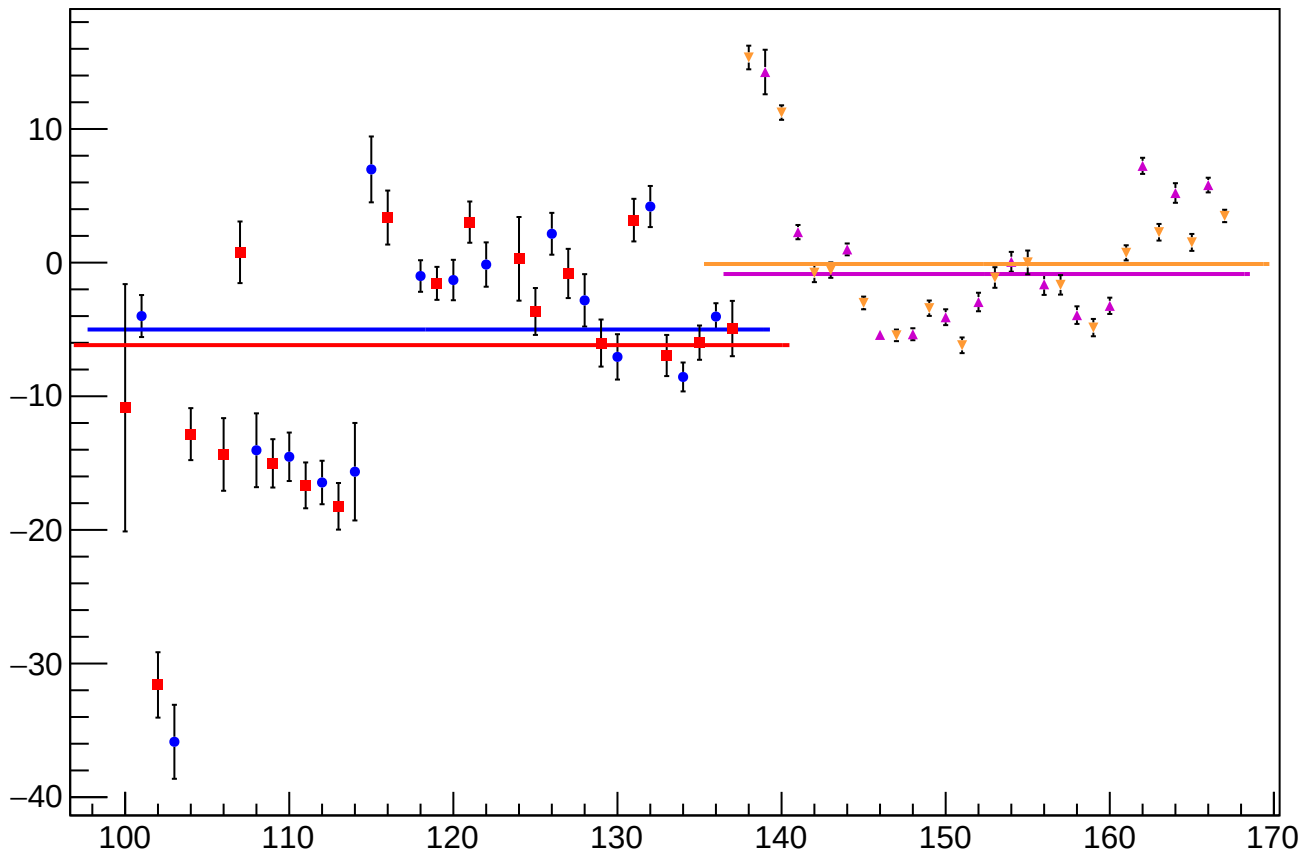
Left In: -20.988 ± 0.221 χ^2/NDF : 2250.7/13

+ sign -18.068 ± 0.183 χ^2/NDF : 3469.6/31

All: -17.502 ± 0.132 χ^2/NDF : 7646.3/64

- sign -16.896 ± 0.190 χ^2/NDF : 4157.0/32

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005 ± 0.395 χ^2/NDF : 341.7/15

Left Out: -0.102 ± 0.148 χ^2/NDF : 1213.2/15

Right Out: -6.173 ± 0.417 χ^2/NDF : 369.1/18

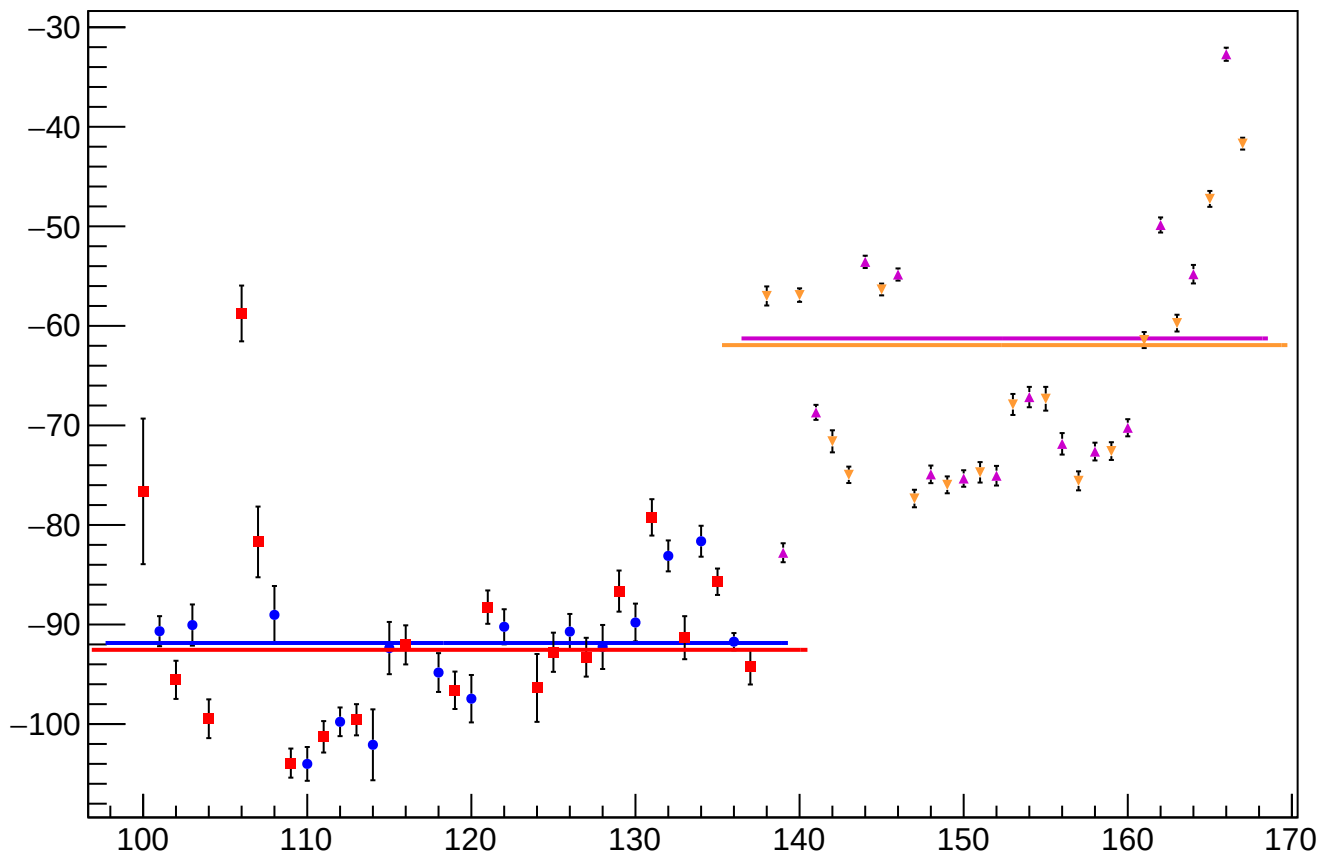
Left In: -0.853 ± 0.154 χ^2/NDF : 855.6/13

+ sign -0.708 ± 0.139 χ^2/NDF : 1689.7/31

All: -1.085 ± 0.100 χ^2/NDF : 3073.3/64

- sign -1.491 ± 0.144 χ^2/NDF : 1368.3/32

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856 ± 0.424 χ^2/NDF : 177.3/15

Left Out: -61.932 ± 0.207 χ^2/NDF : 3129.1/15

Right Out: -92.544 ± 0.439 χ^2/NDF : 387.8/18

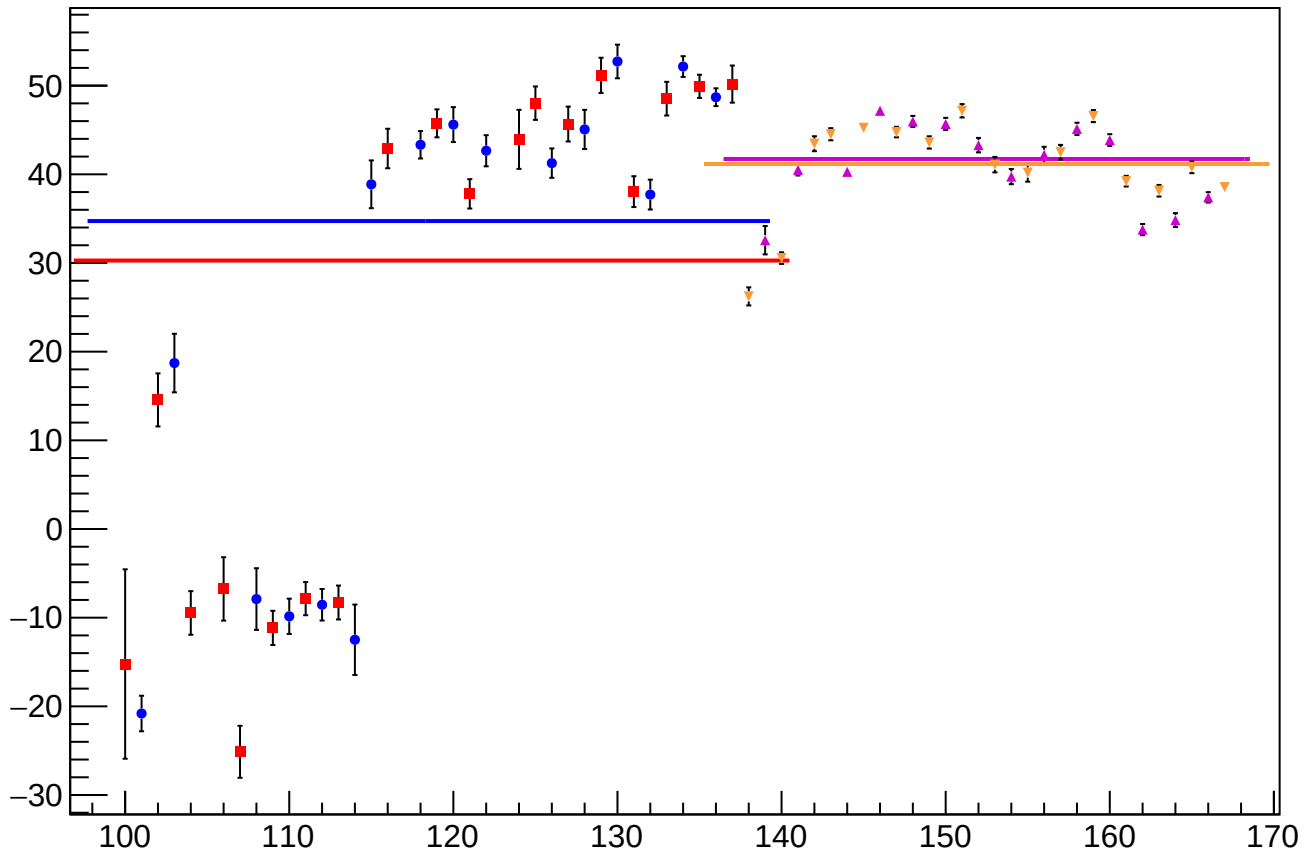
Left In: -61.260 ± 0.216 χ^2/NDF : 4134.8/13

+ sign -67.696 ± 0.186 χ^2/NDF : 7327.1/31

All: -67.523 ± 0.134 χ^2/NDF : 15938.8/64

- sign -67.336 ± 0.194 χ^2/NDF : 8609.9/32

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2 /NDF: 2809.1/15

Left Out: 41.164+/-0.172 χ^2 /NDF:801.5/15

Right Out: 30.279+/-0.467 χ^2 /NDF: 2911.2/18

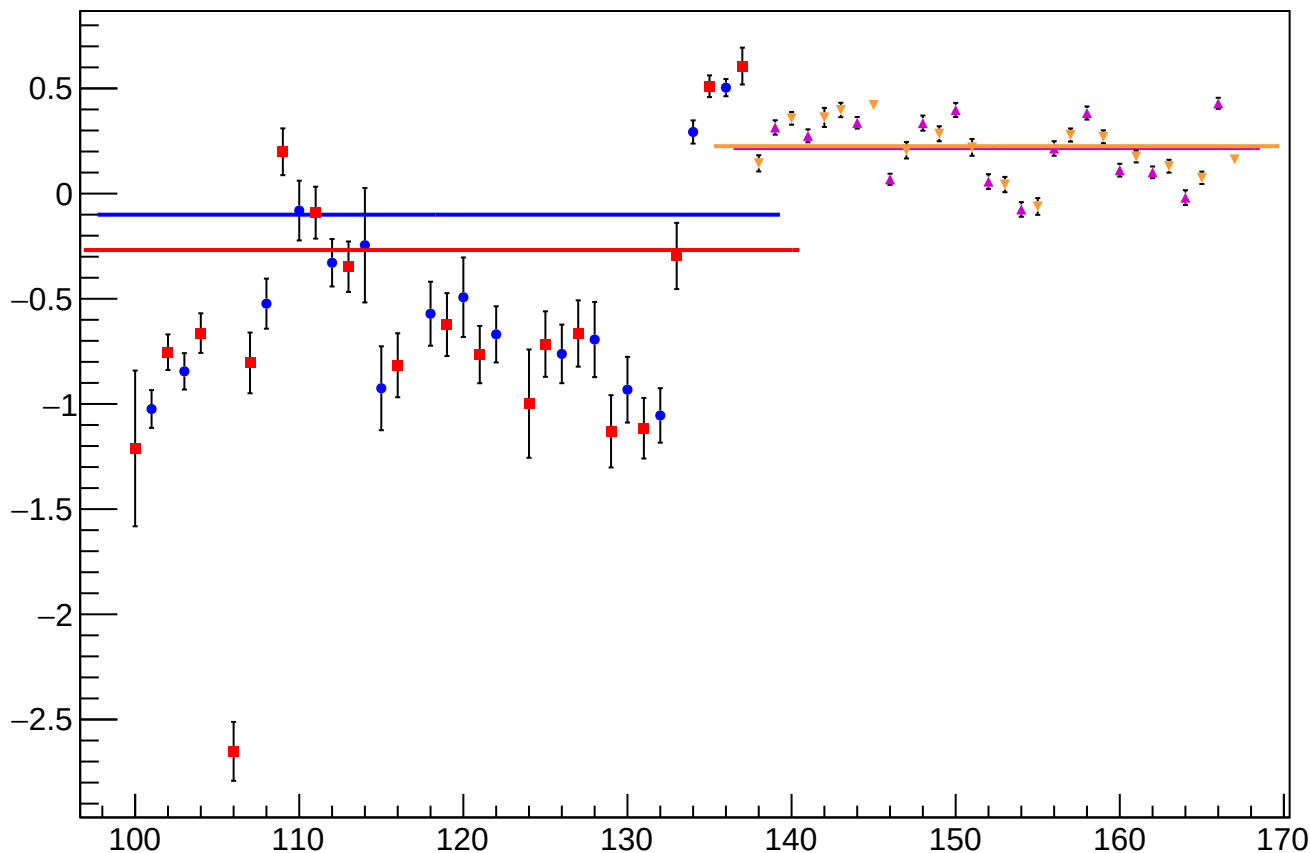
Left In: 41.729+/-0.179 χ^2 /NDF:593.3/13

+ sign 40.321+/-0.160 χ^2 /NDF: 3794.9/31

All: 40.295+/-0.116 χ^2 /NDF: 7823.6/64

- sign 40.267+/-0.167 χ^2 /NDF: 4028.6/32

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.024 χ^2/NDF : 631.4/15

Left Out: 0.225 ± 0.008 χ^2/NDF : 259.0/15

Right Out: -0.268 ± 0.026 χ^2/NDF : 822.4/18

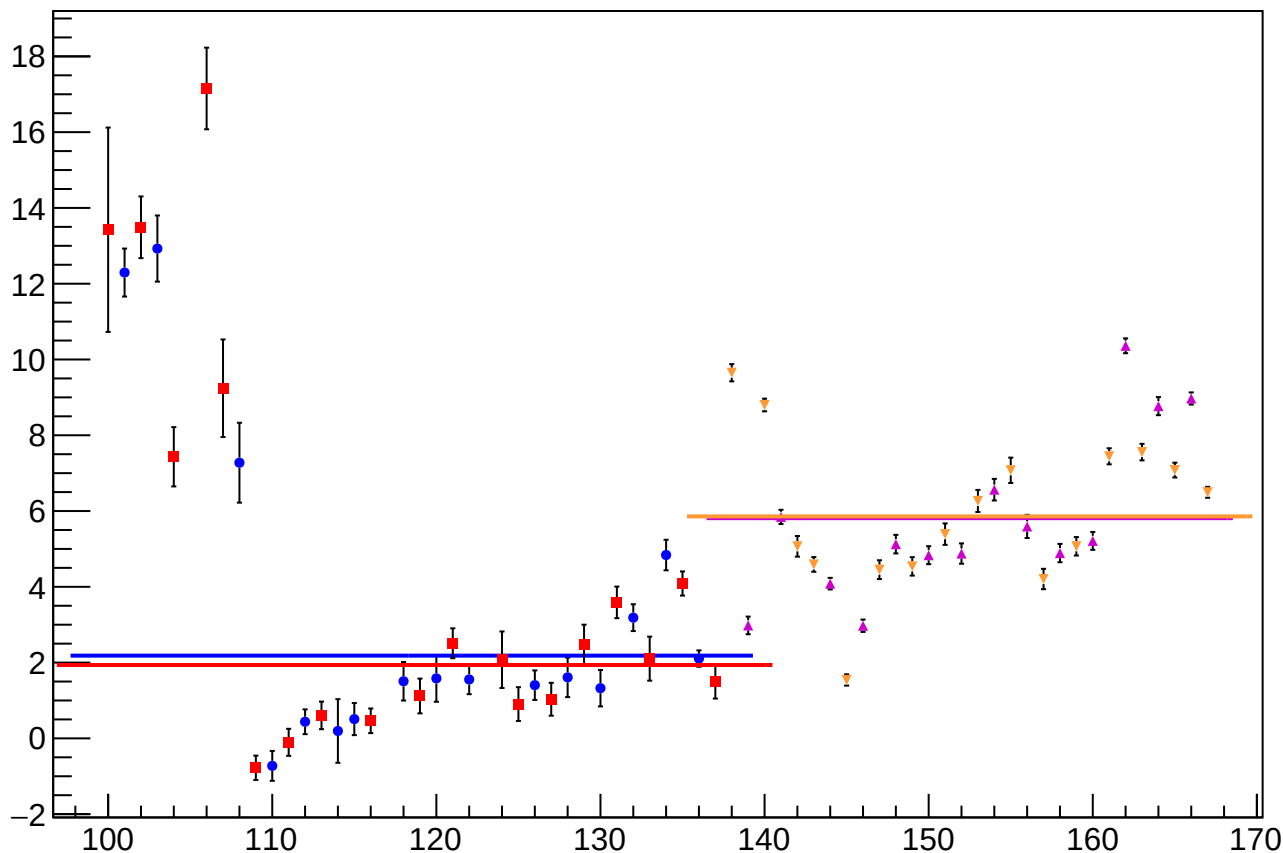
Left In: 0.216 ± 0.008 χ^2/NDF : 360.3/13

+ sign 0.194 ± 0.008 χ^2/NDF : 1056.2/31

All: 0.184 ± 0.005 χ^2/NDF : 2550.5/64

- sign 0.172 ± 0.008 χ^2/NDF : 1490.5/32

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: 5.859 $\pm$ 0.053 χ^2 /NDF:1782.9/15

Right Out: 1.936 $\pm$ 0.105 χ^2 /NDF: 717.1/18

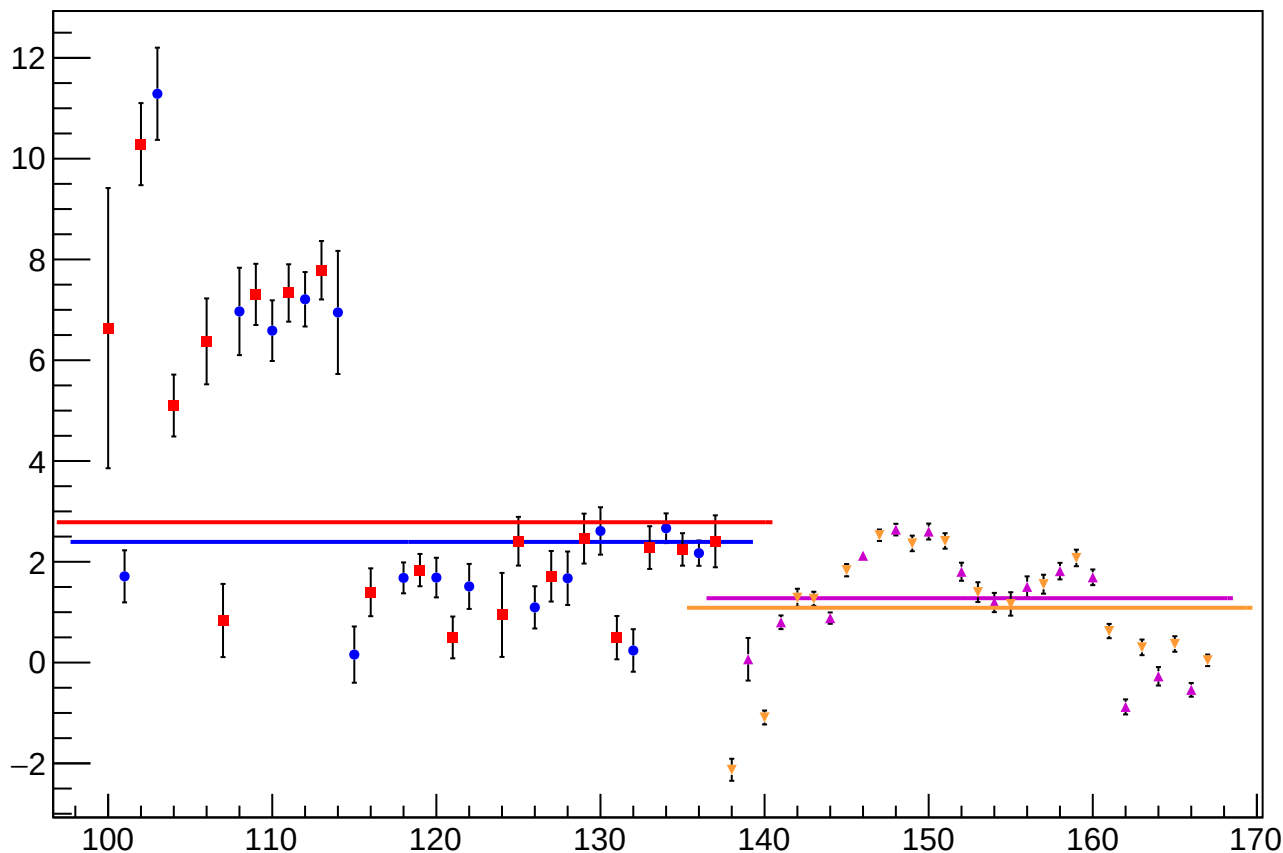
Left In: 5.812 $\pm$ 0.056 χ^2 /NDF:1723.7/13

+ sign 5.111 $\pm$ 0.047 χ^2 /NDF: 3358.2/31

All: 5.036 $\pm$ 0.034 χ^2 /NDF: 6855.6/64

- sign 4.954 $\pm$ 0.050 χ^2 /NDF: 3492.2/32

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: 1.087 ± 0.038 χ^2/NDF : 993.6/15

Right Out: 2.785 ± 0.116 χ^2/NDF : 410.9/18

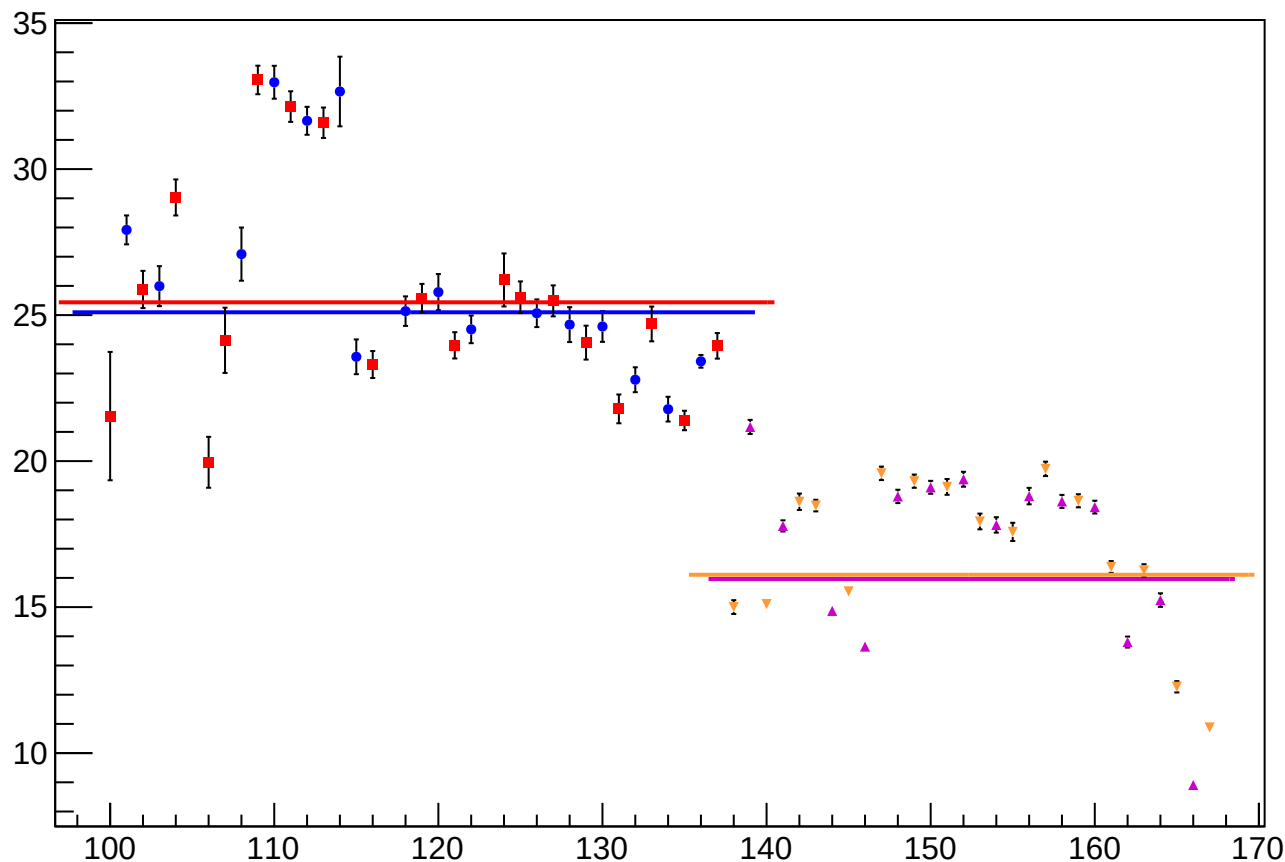
Left In: 1.277 ± 0.039 χ^2/NDF : 805.3/13

+ sign 1.228 ± 0.036 χ^2/NDF : 1457.3/31

All: 1.326 ± 0.026 χ^2/NDF : 2841.0/64

- sign 1.432 ± 0.037 χ^2/NDF : 1368.1/32

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: 16.108 $\pm$ 0.052 χ^2/NDF : 2896.4/15

Right Out: 25.438 $\pm$ 0.124 χ^2/NDF : 877.6/18

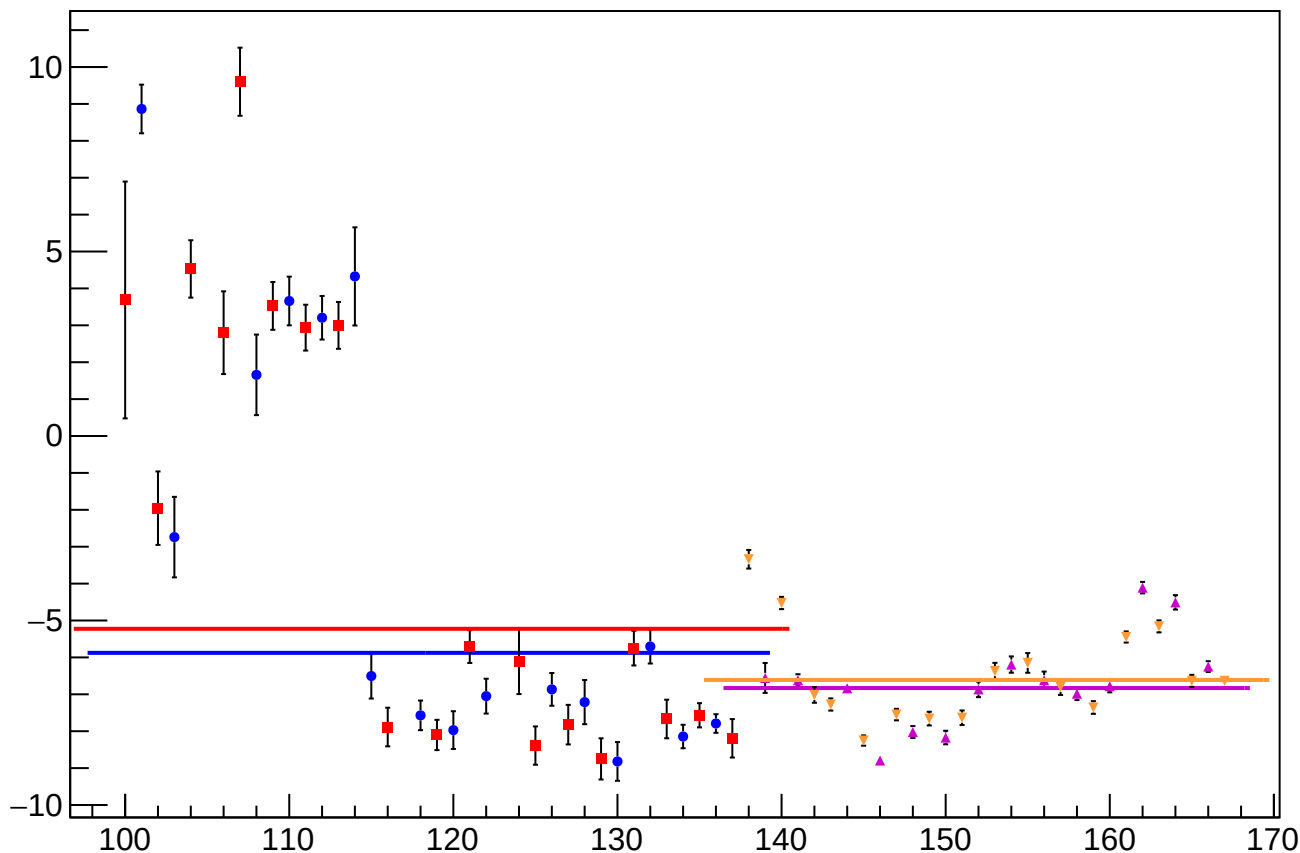
Left In: 15.962 $\pm$ 0.055 χ^2/NDF : 3762.6/13

+ sign 17.601 $\pm$ 0.048 χ^2/NDF : 8396.0/31

All: 17.560 $\pm$ 0.035 χ^2/NDF : 17918.4/64

- sign 17.516 $\pm$ 0.050 χ^2/NDF : 9520.9/32

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876 ± 0.121 χ^2/NDF : 1251.4/15

Left Out: -6.612 ± 0.043 χ^2/NDF : 740.1/15

Right Out: -5.225 ± 0.129 χ^2/NDF : 1292.0/18

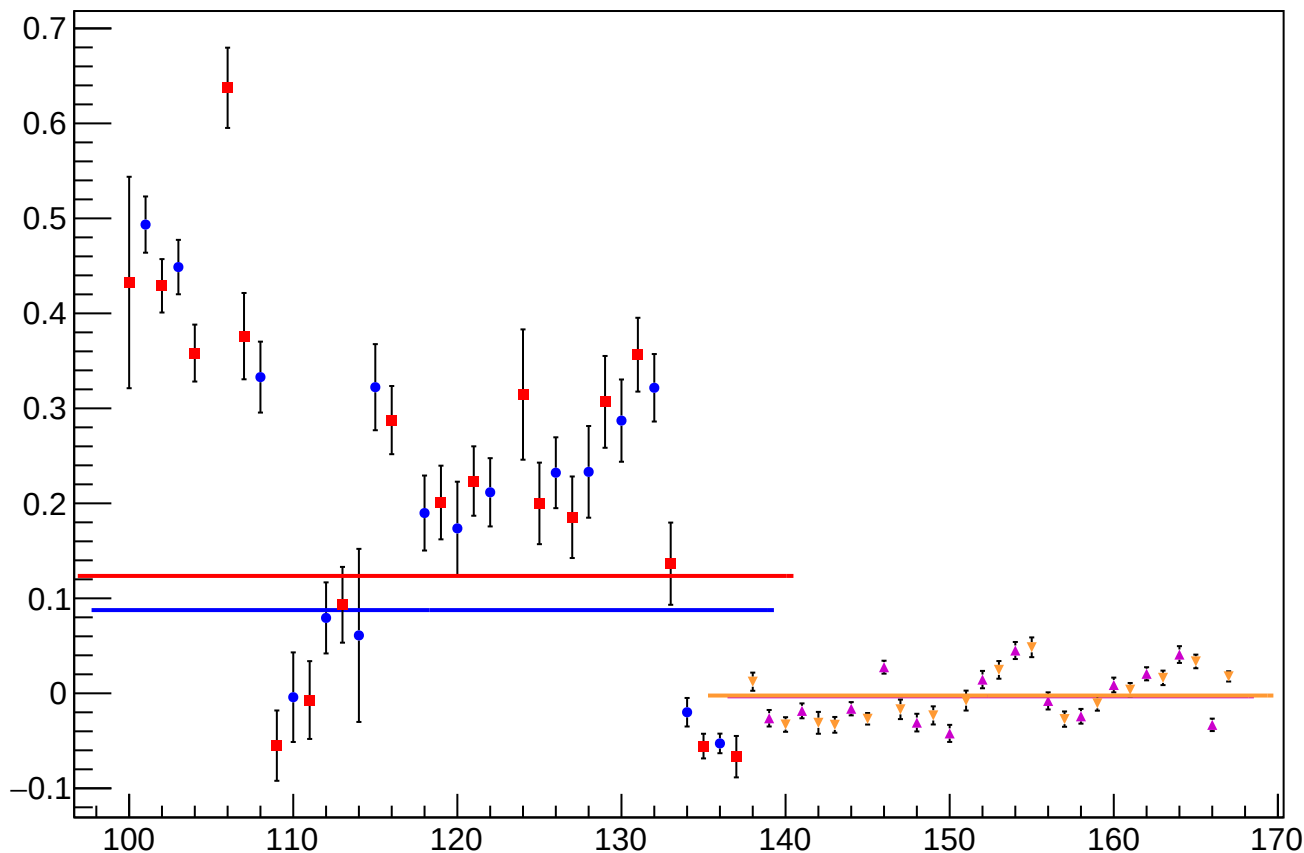
Left In: -6.830 ± 0.045 χ^2/NDF : 851.6/13

+ sign -6.527 ± 0.041 χ^2/NDF : 2024.4/31

All: -6.587 ± 0.030 χ^2/NDF : 4309.4/64

- sign -6.653 ± 0.043 χ^2/NDF : 2280.5/32

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: -0.002 ± 0.002 χ^2/NDF : 150.0/15

Right Out: 0.124 ± 0.007 χ^2/NDF : 762.3/18

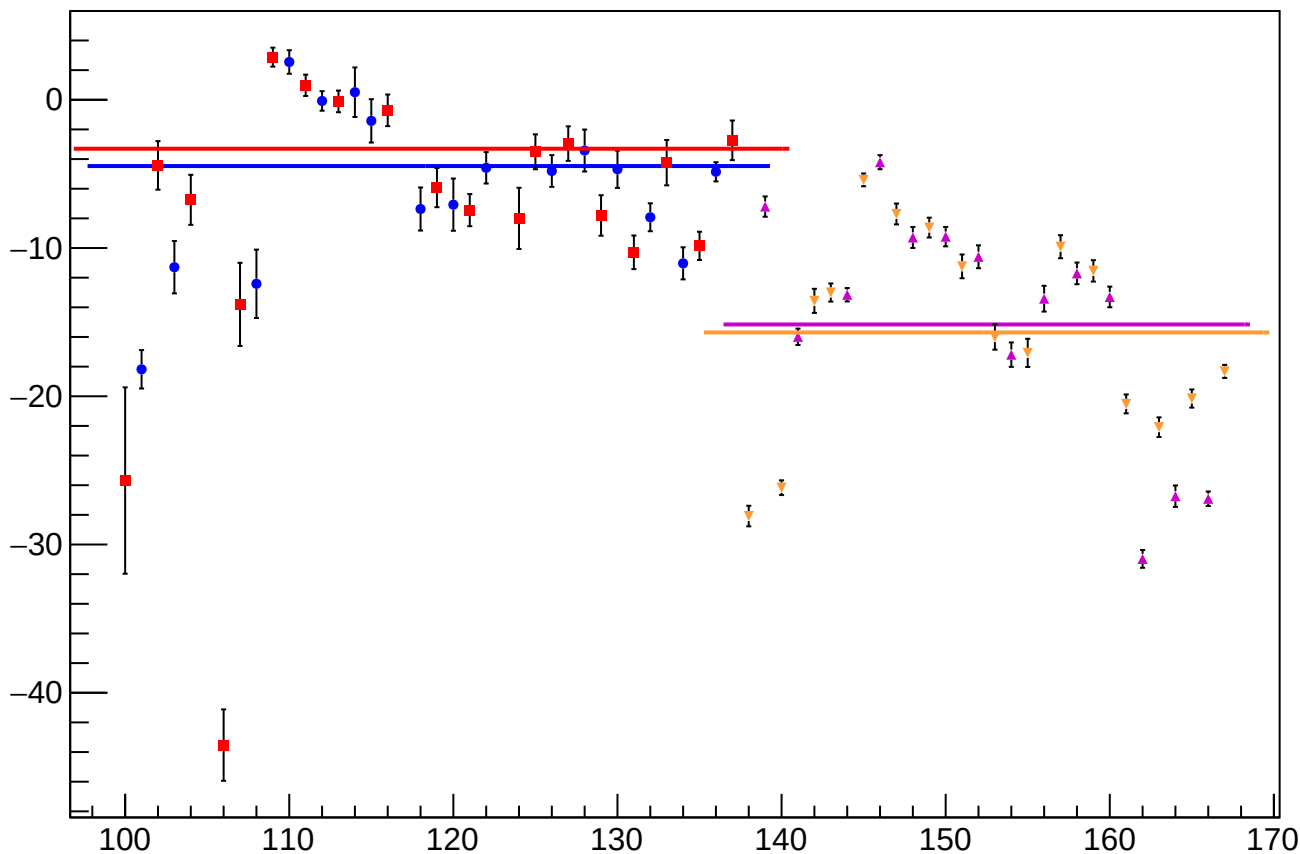
Left In: -0.003 ± 0.002 χ^2/NDF : 162.6/13

+ sign 0.005 ± 0.002 χ^2/NDF : 1088.6/31

All: 0.006 ± 0.001 χ^2/NDF : 2289.7/64

- sign 0.007 ± 0.002 χ^2/NDF : 1200.8/32

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471 $\pm$ 0.268 χ^2 /NDF: 331.8/15

Left Out: -15.696 $\pm$ 0.158 χ^2 /NDF:1956.8/15

Right Out: -3.302 $\pm$ 0.261 χ^2 /NDF: 584.6/18

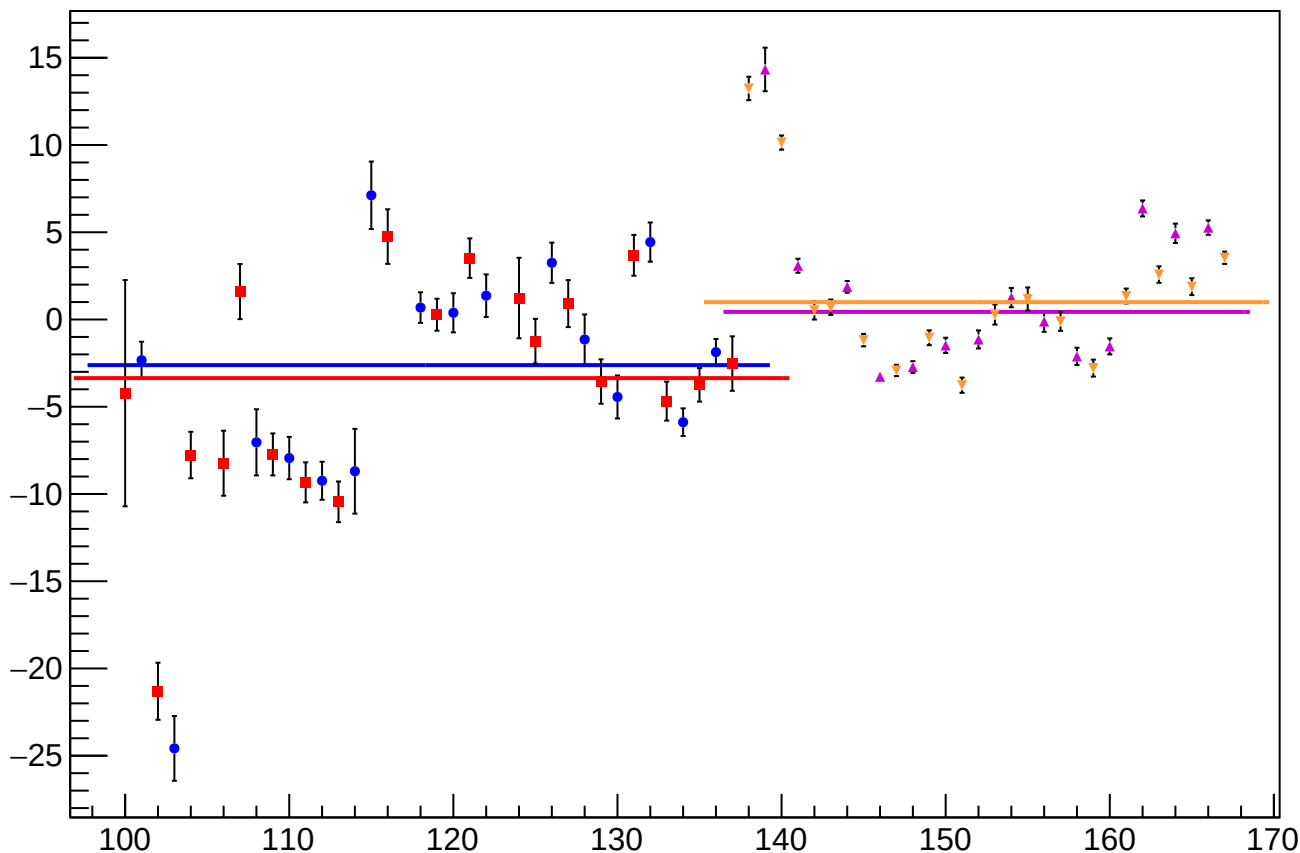
Left In: -15.155 $\pm$ 0.166 χ^2 /NDF:2436.2/13

+ sign -12.809 $\pm$ 0.136 χ^2 /NDF: 3587.5/31

All: -12.288 $\pm$ 0.098 χ^2 /NDF: 8108.2/64

- sign -11.737 $\pm$ 0.140 χ^2 /NDF: 4490.5/32

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615 ± 0.286 χ^2/NDF : 351.9/15

Left Out: 0.996 ± 0.112 χ^2/NDF : 1294.0/15

Right Out: -3.359 ± 0.299 χ^2/NDF : 359.6/18

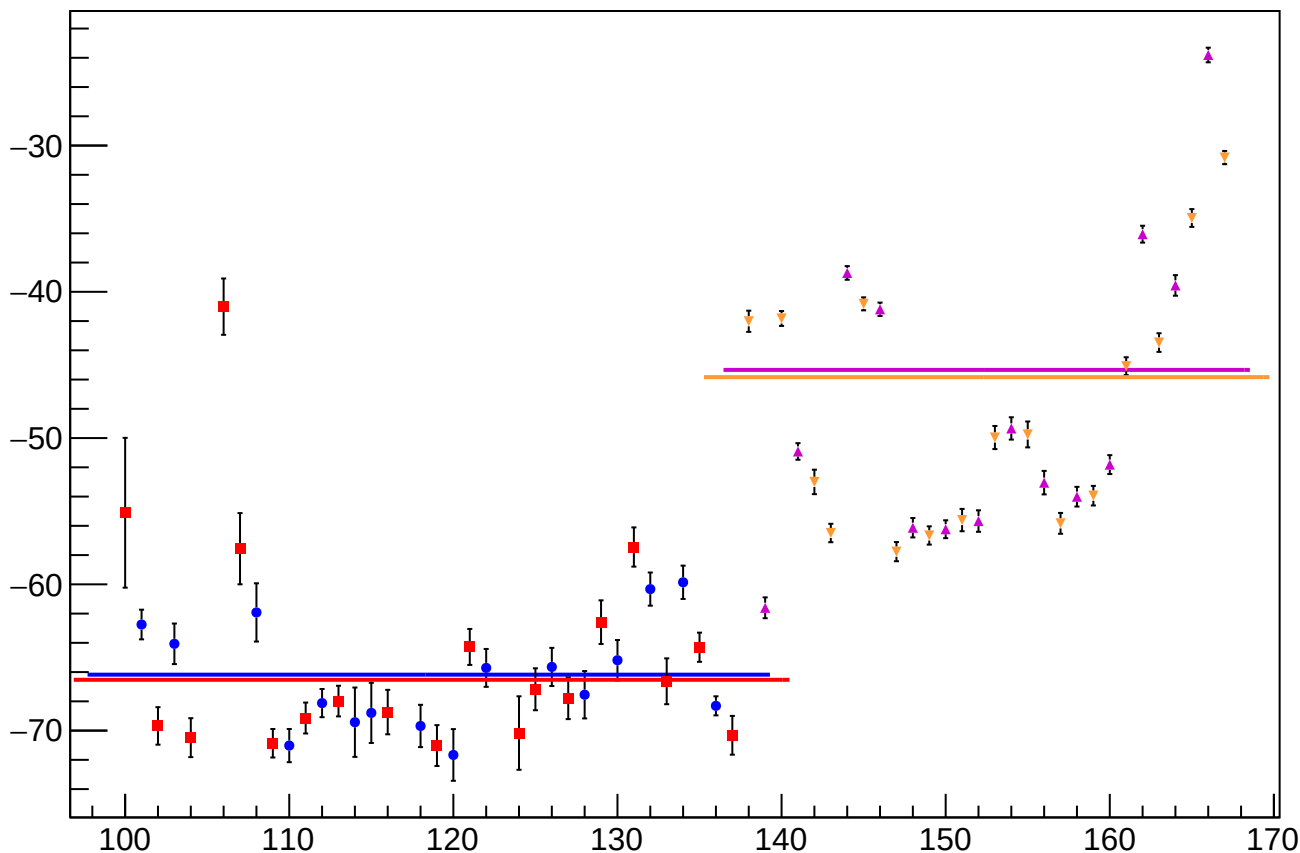
Left In: 0.437 ± 0.116 χ^2/NDF : 890.4/13

+ sign 0.518 ± 0.104 χ^2/NDF : 1784.4/31

All: 0.241 ± 0.075 χ^2/NDF : 3189.6/64

- sign -0.058 ± 0.108 χ^2/NDF : 1390.4/32

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176 ± 0.304 χ^2/NDF : 129.2/15

Left Out: -45.834 ± 0.156 χ^2/NDF : 3198.9/15

Right Out: -66.526 ± 0.312 χ^2/NDF : 321.7/18

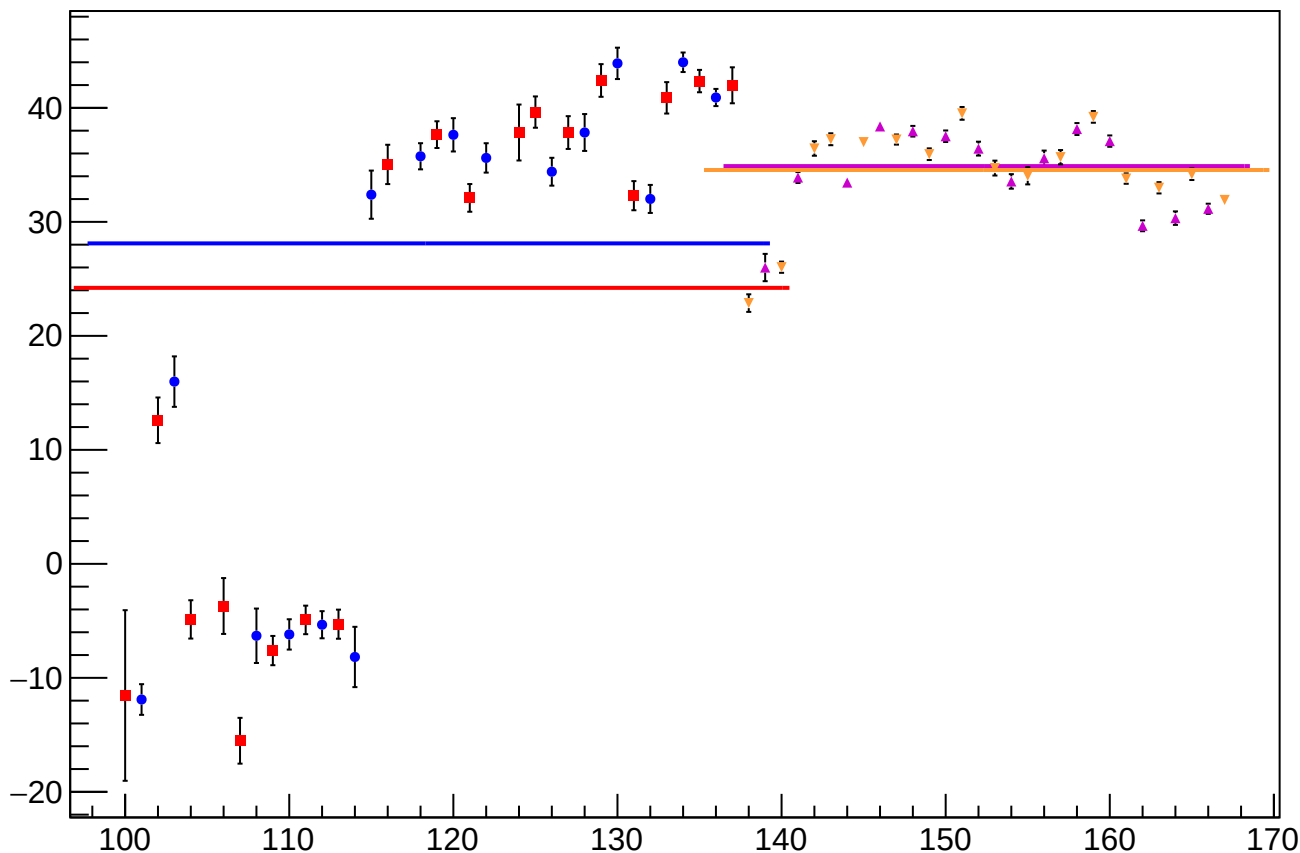
Left In: -45.339 ± 0.162 χ^2/NDF : 4240.3/13

+ sign -50.060 ± 0.139 χ^2/NDF : 6867.9/31

All: -49.948 ± 0.100 χ^2/NDF : 15054.9/64

- sign -49.827 ± 0.144 χ^2/NDF : 8185.7/32

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112 $\pm$ 0.320 χ^2 /NDF: 3727.7/15

Left Out: 34.550 $\pm$ 0.129 χ^2 /NDF: 868.5/15

Right Out: 24.212 $\pm$ 0.336 χ^2 /NDF: 3841.7/18

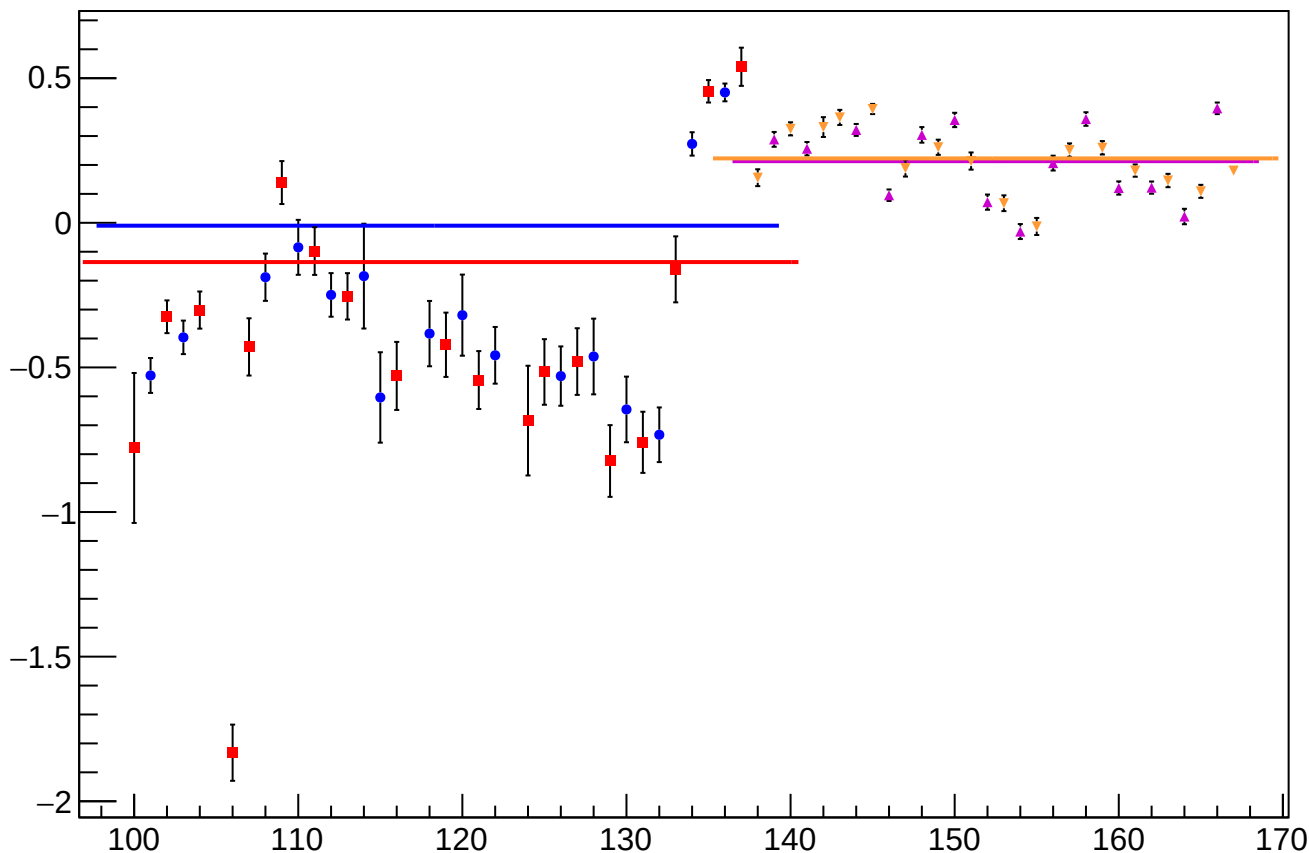
Left In: 34.893 $\pm$ 0.134 χ^2 /NDF: 560.1/13

+ sign 33.649 $\pm$ 0.120 χ^2 /NDF: 4944.4/31

All: 33.538 $\pm$ 0.086 χ^2 /NDF: 10220.9/64

- sign 33.417 $\pm$ 0.125 χ^2 /NDF: 5274.7/32

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010 ± 0.017 χ^2/NDF : 587.4/15

Left Out: 0.223 ± 0.006 χ^2/NDF : 309.1/15

Right Out: -0.136 ± 0.019 χ^2/NDF : 818.5/18

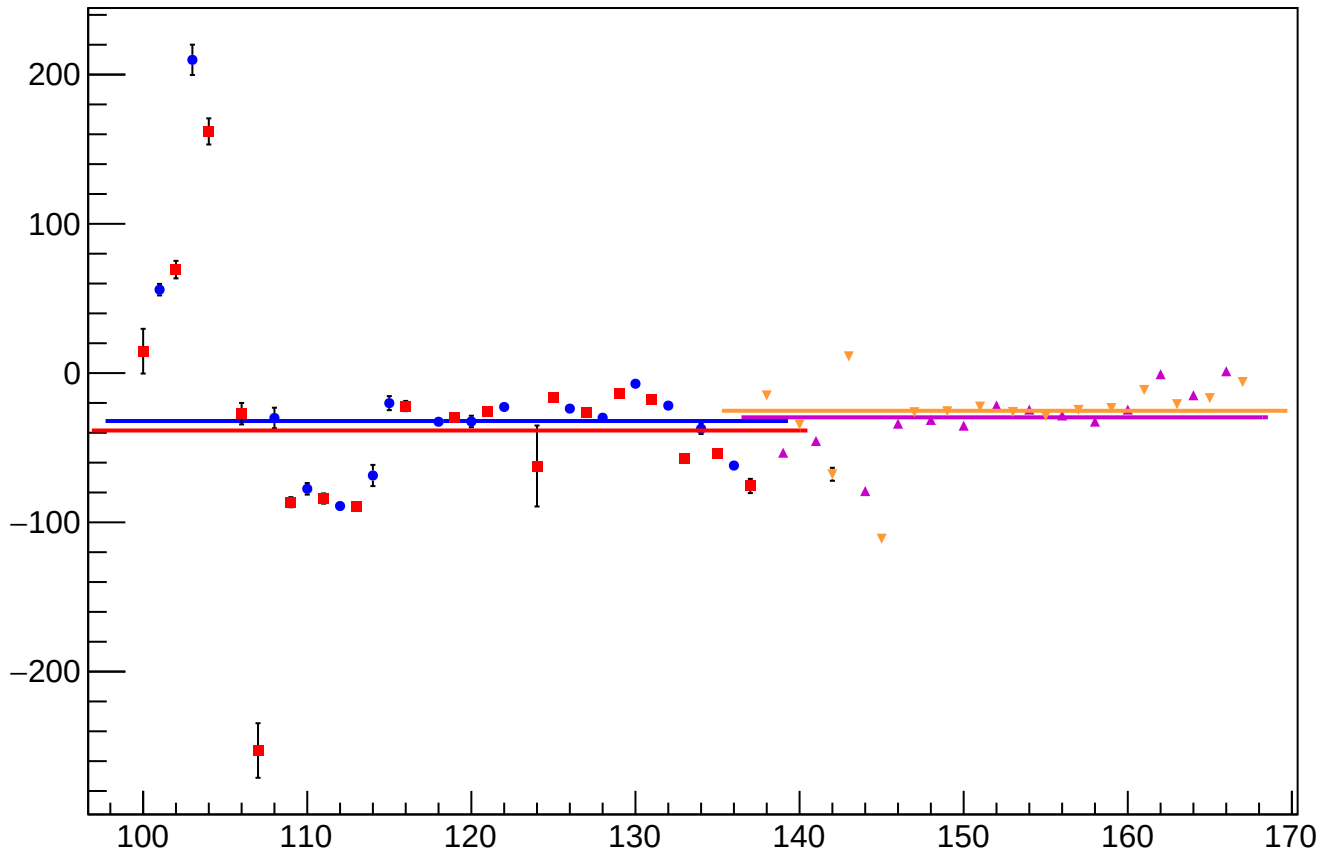
Left In: 0.213 ± 0.006 χ^2/NDF : 444.6/13

+ sign 0.198 ± 0.006 χ^2/NDF : 1057.8/31

All: 0.189 ± 0.004 χ^2/NDF : 2635.9/64

- sign 0.178 ± 0.006 χ^2/NDF : 1572.2/32

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117 ± 0.843 $\chi^2/\text{NDF}: 1877.5/15$

Left Out: -25.253 ± 0.718 $\chi^2/\text{NDF}: 1064.9/15$

Right Out: -38.462 ± 0.864 $\chi^2/\text{NDF}: 1972.5/18$

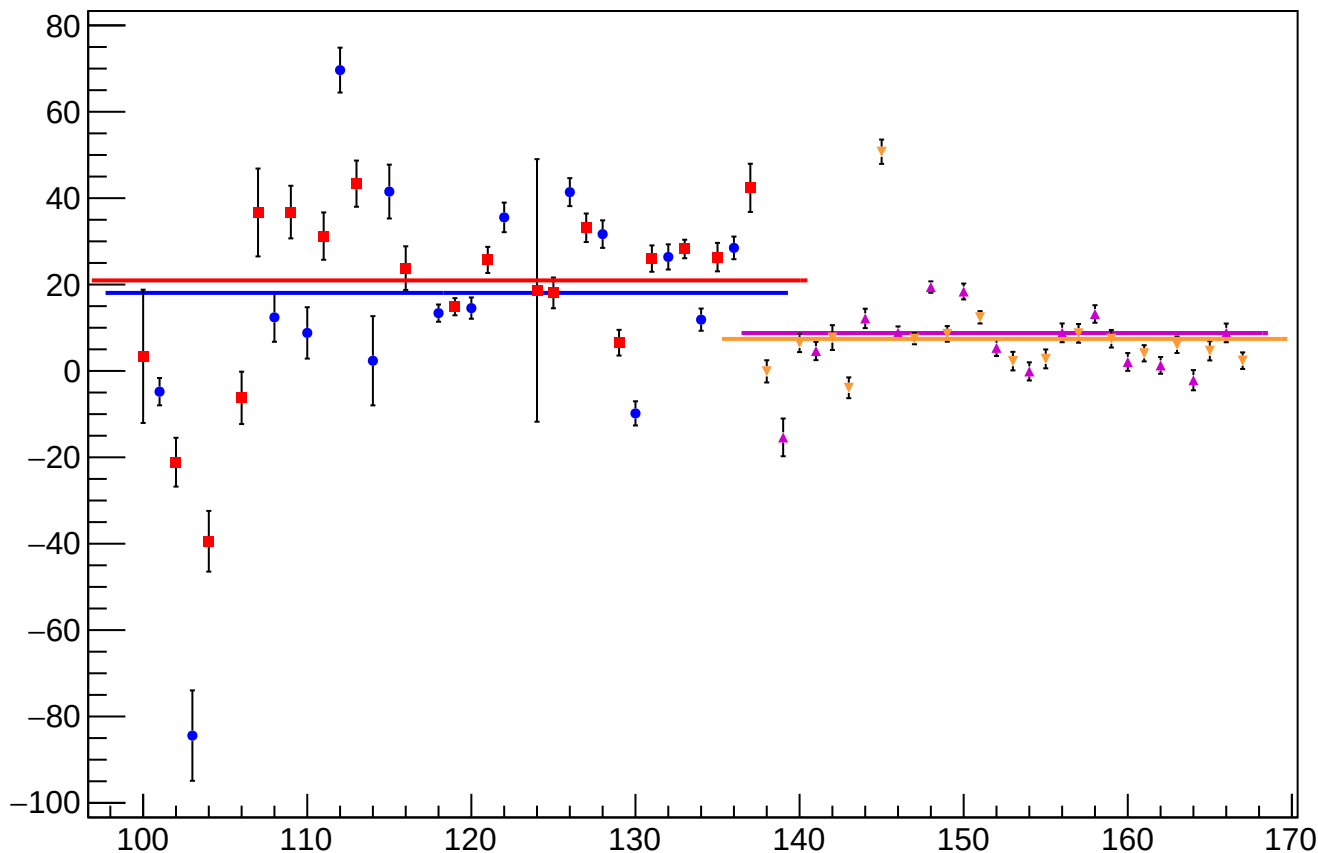
Left In: -29.633 ± 0.750 $\chi^2/\text{NDF}: 716.9/13$

+ sign -28.139 ± 0.546 $\chi^2/\text{NDF}: 2980.8/31$

All: -30.687 ± 0.393 $\chi^2/\text{NDF}: 5774.8/64$

- sign -33.425 ± 0.567 $\chi^2/\text{NDF}: 2748.9/32$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068 ± 0.823 χ^2/NDF : 499.6/15

Left Out: 7.416 ± 0.494 χ^2/NDF : 303.0/15

Right Out: 20.959 ± 0.868 χ^2/NDF : 262.6/18

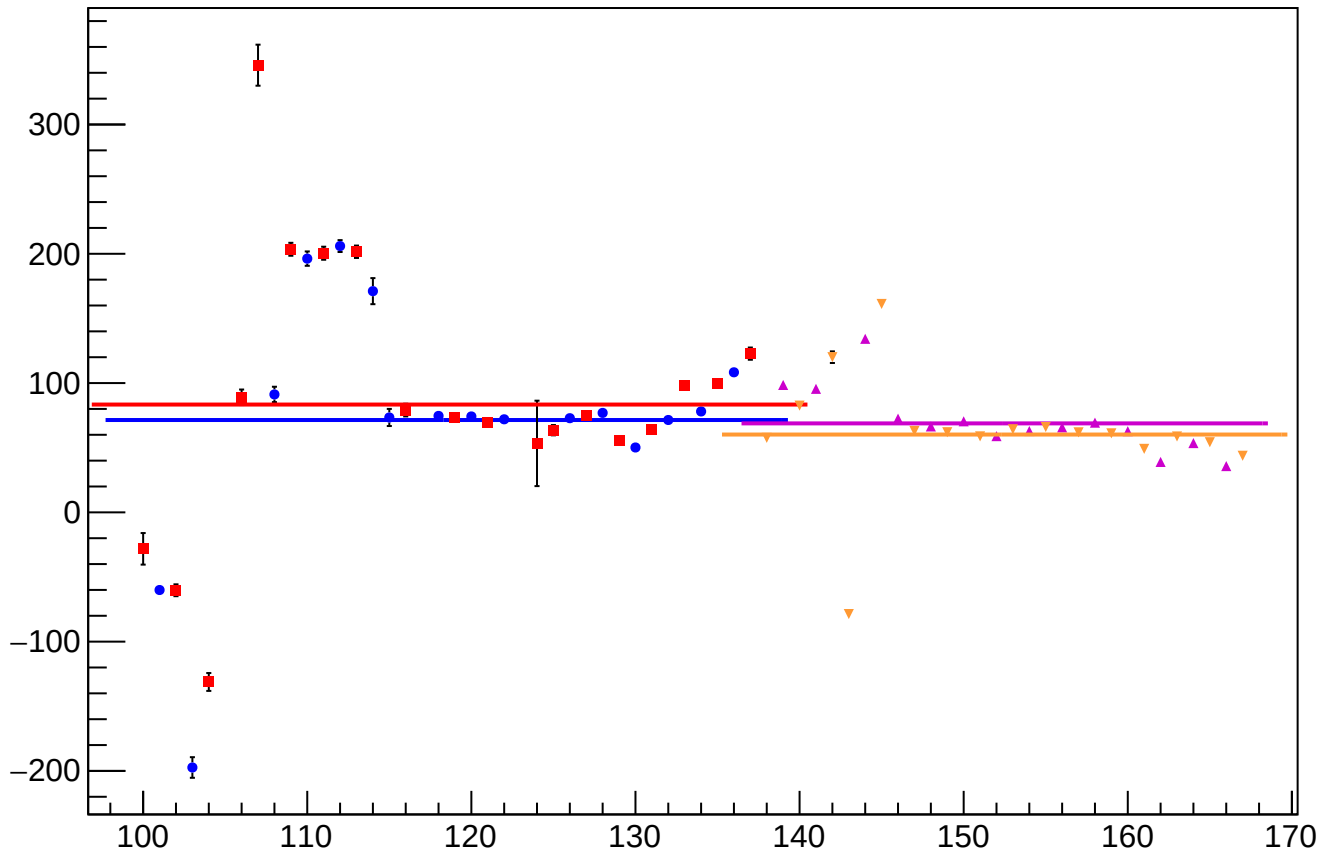
Left In: 8.787 ± 0.522 χ^2/NDF : 202.4/13

+ sign 10.238 ± 0.423 χ^2/NDF : 925.8/31

All: 11.079 ± 0.308 χ^2/NDF : 1543.4/64

- sign 12.017 ± 0.447 χ^2/NDF : 609.3/32

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421 ± 0.931 $\chi^2/\text{NDF}: 4819.6/15$

Left Out: 60.190 ± 0.699 $\chi^2/\text{NDF}: 2964.7/15$

Right Out: 83.385 ± 0.985 $\chi^2/\text{NDF}: 4297.3/18$

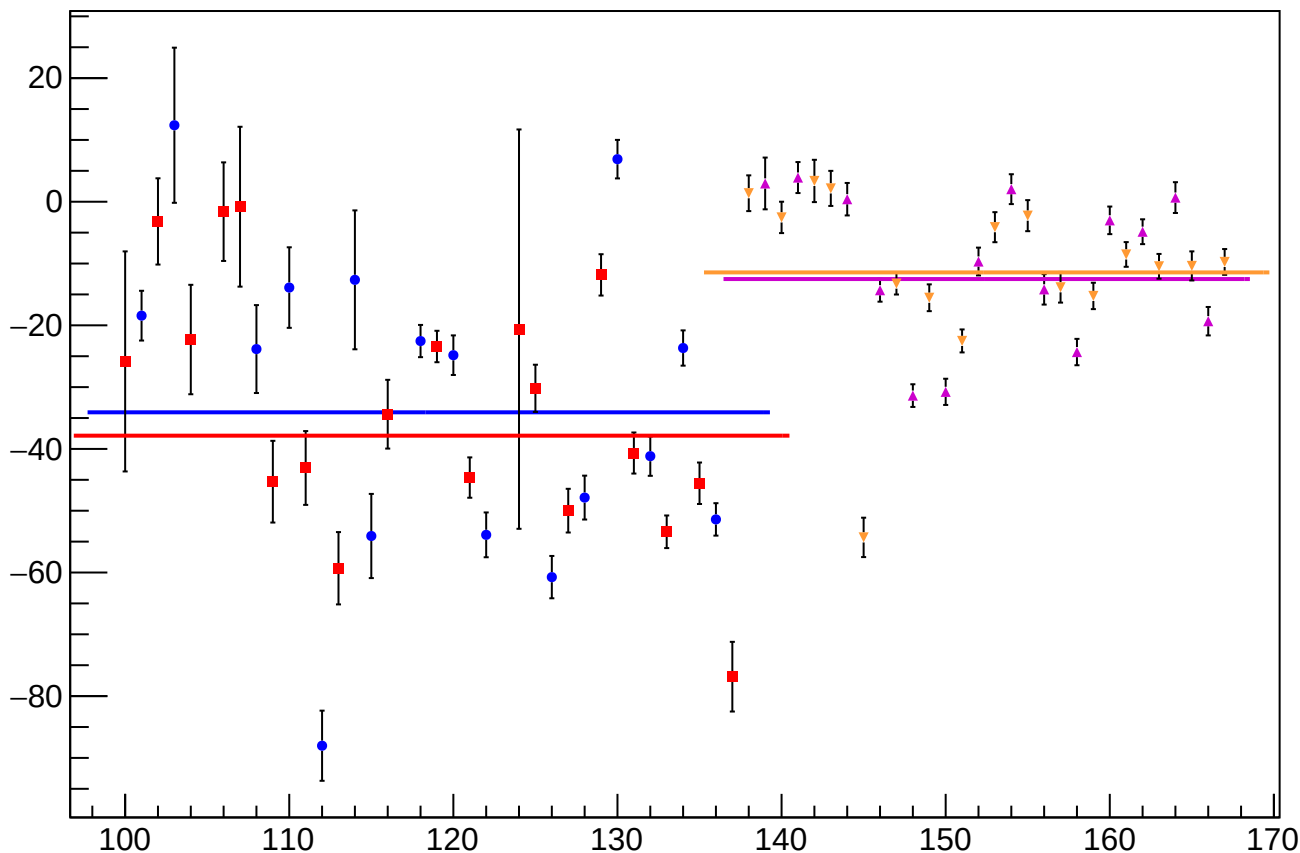
Left In: 68.816 ± 0.726 $\chi^2/\text{NDF}: 1027.1/13$

+ sign 64.239 ± 0.559 $\chi^2/\text{NDF}: 7877.3/31$

All: 68.876 ± 0.404 $\chi^2/\text{NDF}: 13487.4/64$

- sign 73.941 ± 0.584 $\chi^2/\text{NDF}: 5466.1/32$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077 ± 0.942 χ^2/NDF : 511.2/15

Left Out: -11.436 ± 0.575 χ^2/NDF : 324.5/15

Right Out: -37.855 ± 0.994 χ^2/NDF : 274.6/18

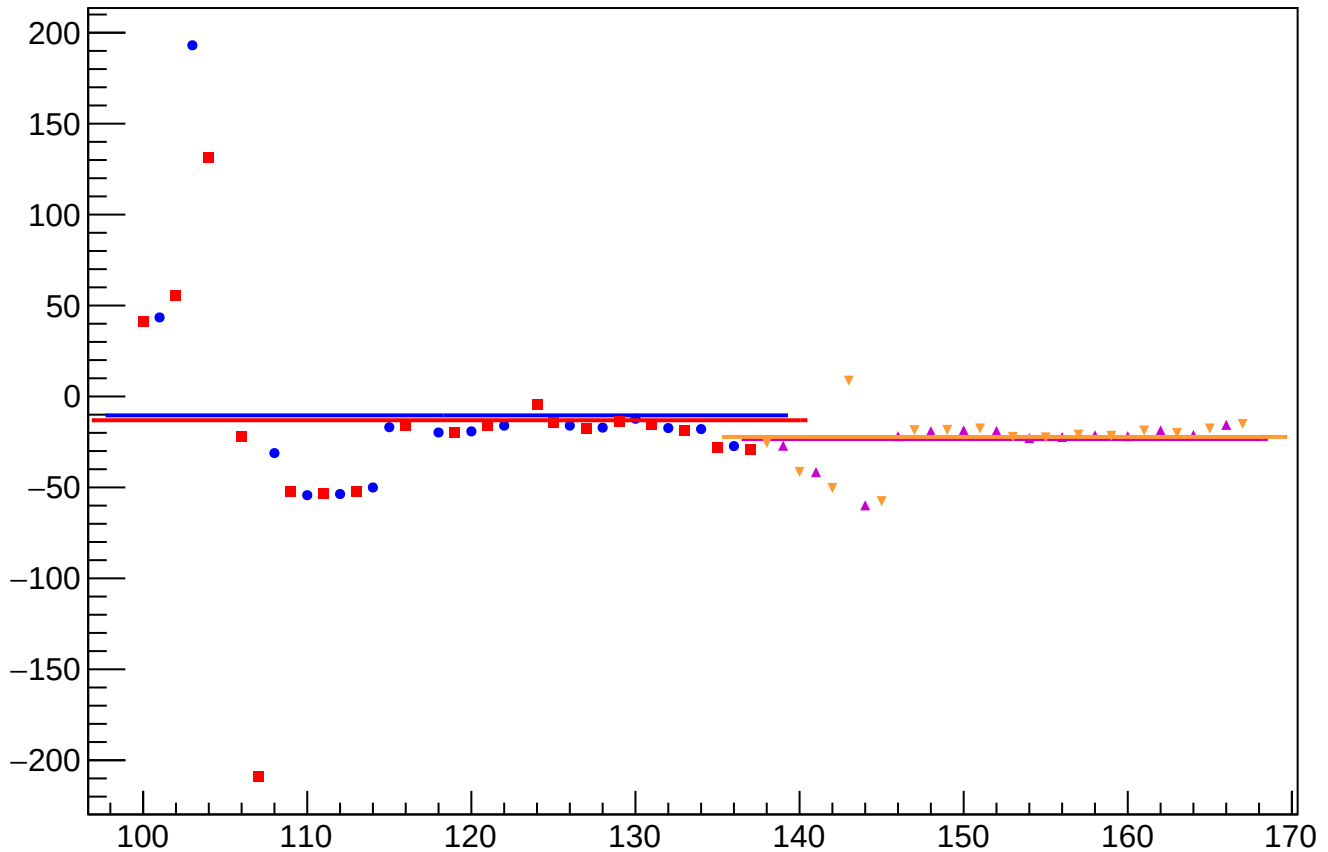
Left In: -12.511 ± 0.606 χ^2/NDF : 399.6/13

+ sign -17.581 ± 0.491 χ^2/NDF : 1256.4/31

All: -18.434 ± 0.356 χ^2/NDF : 2411.1/64

- sign -19.383 ± 0.518 χ^2/NDF : 1148.3/32

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400 ± 0.057 $\chi^2/\text{NDF}: 522334.6/15$

Left Out: -22.240 ± 0.026 $\chi^2/\text{NDF}: 190952.2/15$

Right Out: -13.074 ± 0.063 $\chi^2/\text{NDF}: 449609.3/18$

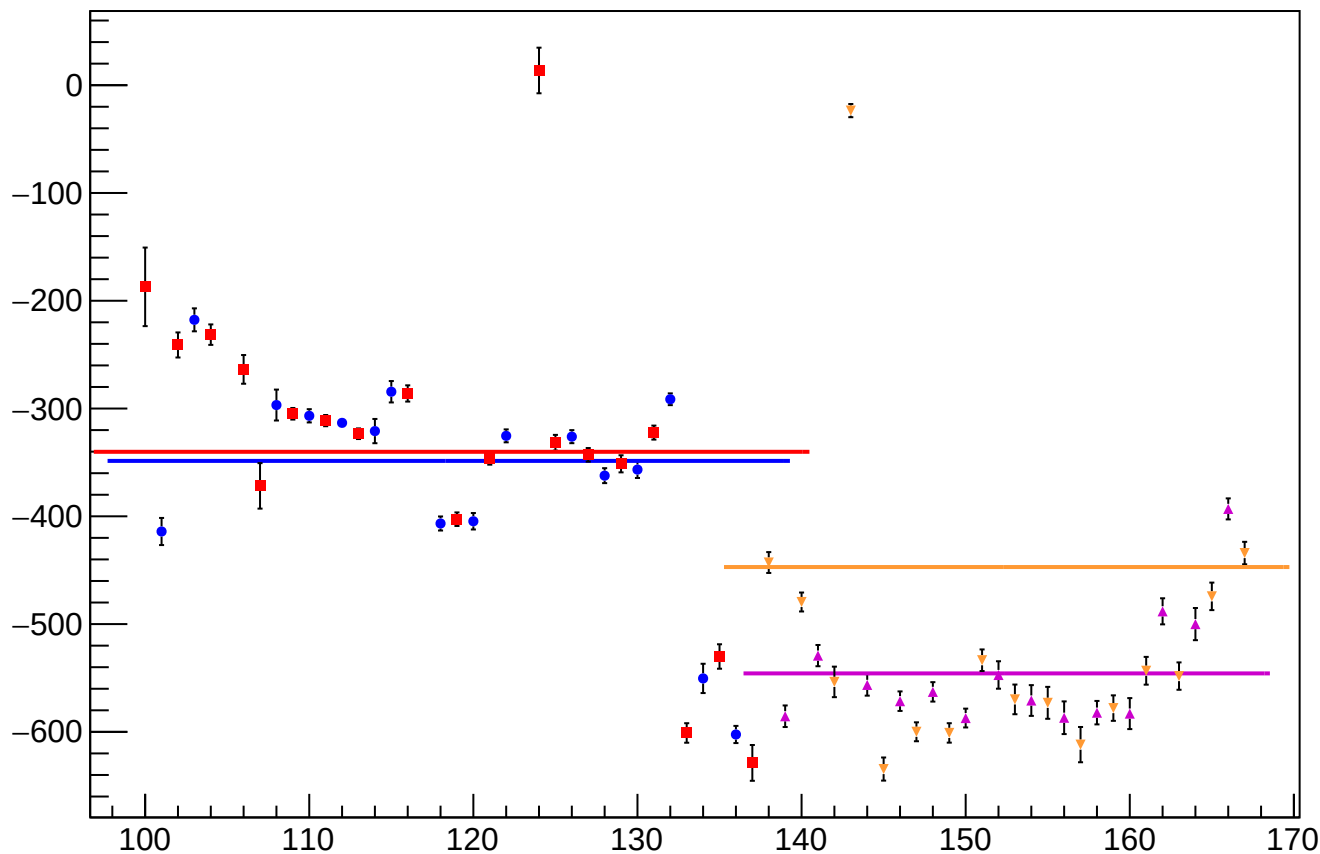
Left In: -23.428 ± 0.027 $\chi^2/\text{NDF}: 107898.3/13$

+ sign -20.149 ± 0.024 $\chi^2/\text{NDF}: 749040.1/31$

All: -20.924 ± 0.017 $\chi^2/\text{NDF}: 1331733.3/64$

- sign -21.775 ± 0.025 $\chi^2/\text{NDF}: 580483.4/32$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586 ± 1.825 $\chi^2/\text{NDF}: 1858.3/15$

Left Out: -447.068 ± 2.604 $\chi^2/\text{NDF}: 6332.3/15$

Right Out: -340.144 ± 1.759 $\chi^2/\text{NDF}: 2197.1/18$

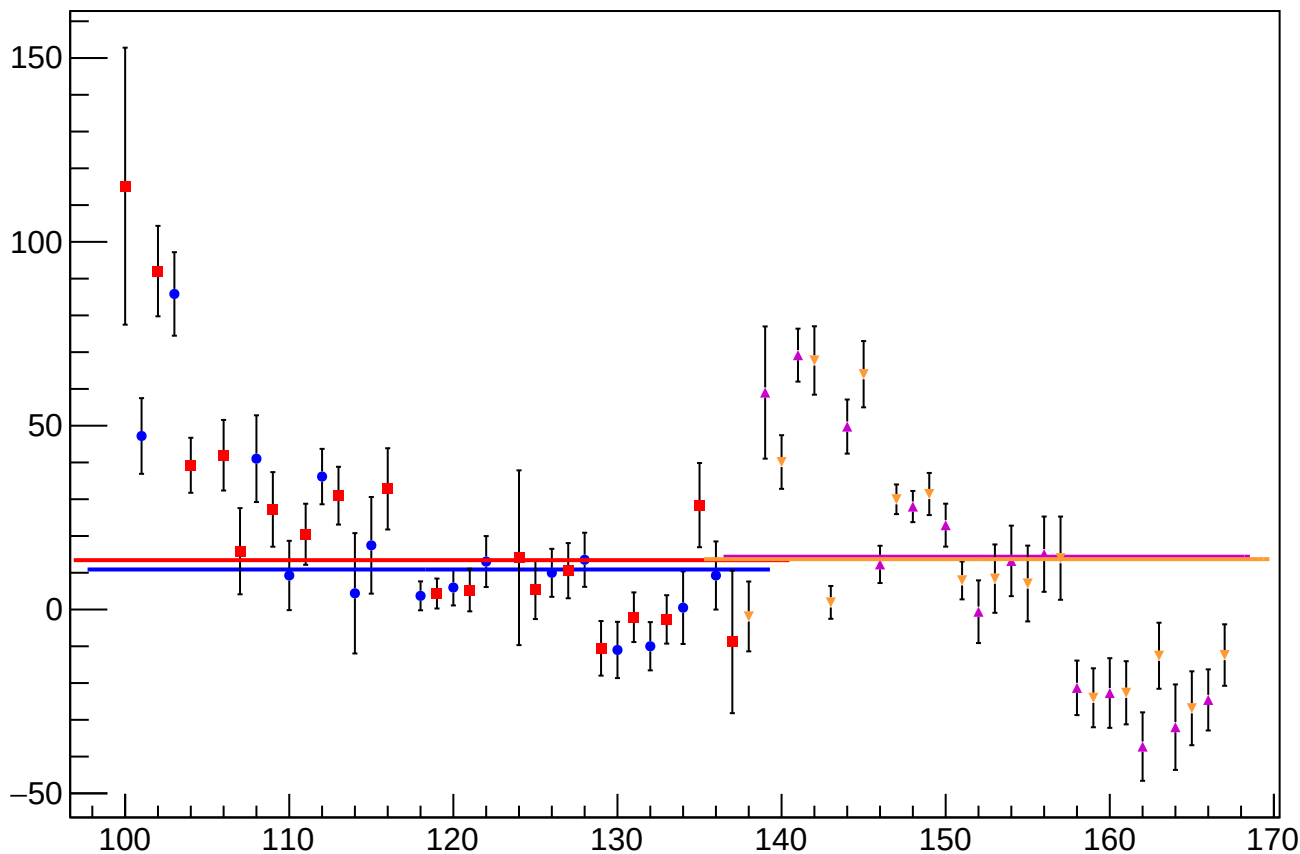
Left In: -545.754 ± 2.906 $\chi^2/\text{NDF}: 359.1/13$

+ sign -381.024 ± 1.494 $\chi^2/\text{NDF}: 9150.1/31$

All: -388.114 ± 1.060 $\chi^2/\text{NDF}: 15415.7/64$

- sign -395.307 ± 1.505 $\chi^2/\text{NDF}: 6220.3/32$

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888 $\pm$ 1.843 χ^2/NDF : 98.2/15

Left Out: 13.699 $\pm$ 1.747 χ^2/NDF : 190.1/15

Right Out: 13.427 $\pm$ 1.854 χ^2/NDF : 112.4/18

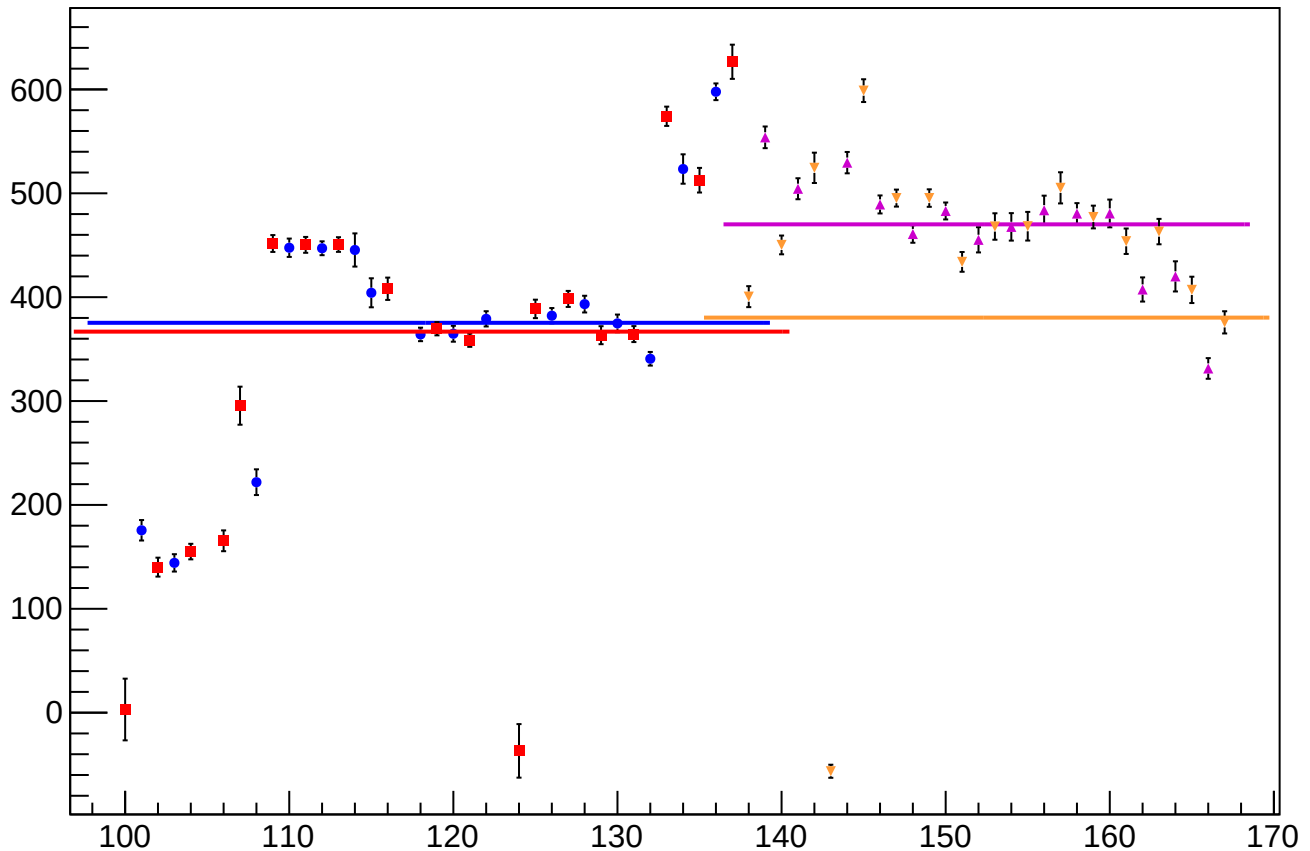
Left In: 14.366 $\pm$ 1.956 χ^2/NDF : 210.1/13

+ sign 12.369 $\pm$ 1.268 χ^2/NDF : 289.5/31

All: 13.075 $\pm$ 0.923 χ^2/NDF : 612.8/64

- sign 13.871 $\pm$ 1.346 χ^2/NDF : 322.6/32

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321 ± 2.103 χ^2/NDF : 2449.5/15

Left Out: 380.327 ± 2.558 χ^2/NDF : 6107.6/15

Right Out: 366.830 ± 2.049 χ^2/NDF : 3541.1/18

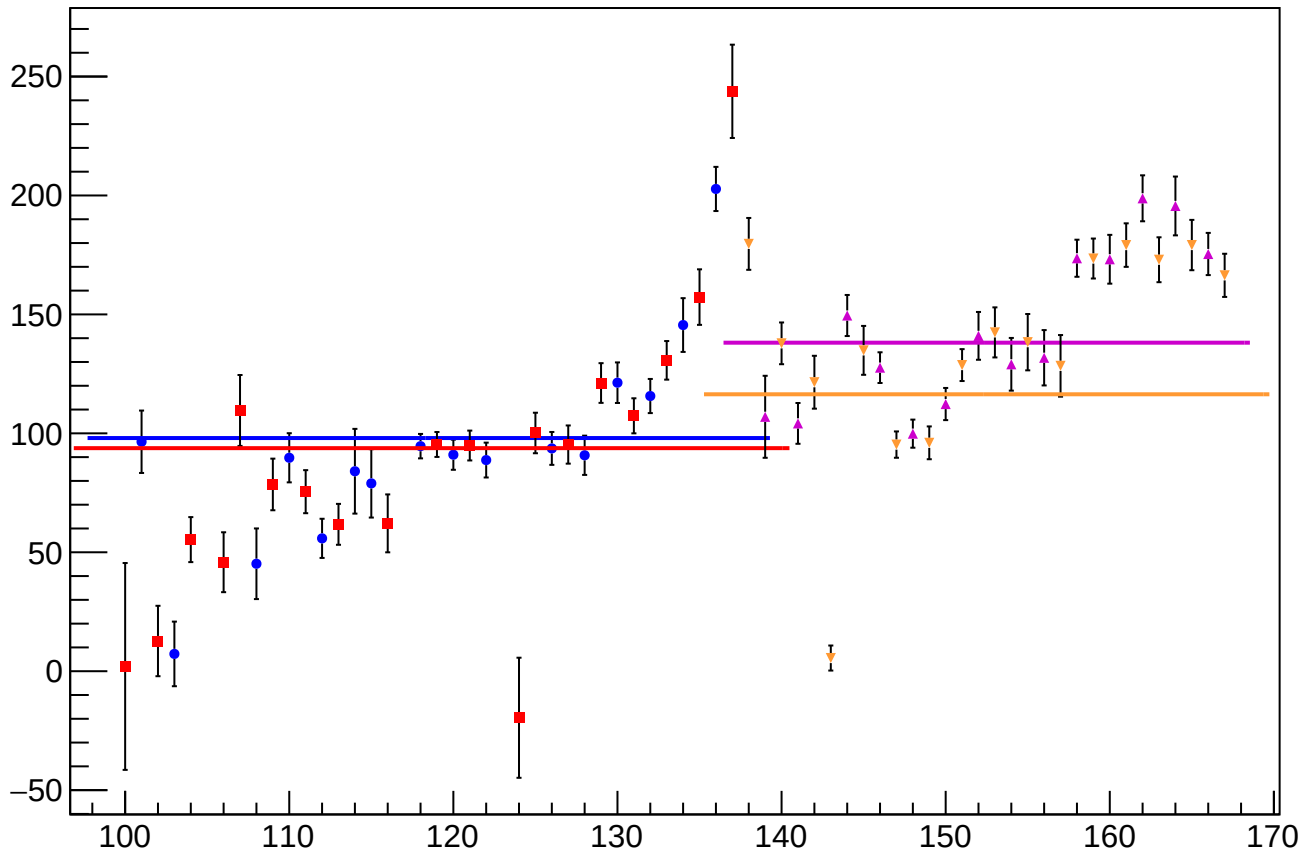
Left In: 470.108 ± 2.815 χ^2/NDF : 357.5/13

+ sign 377.340 ± 1.624 χ^2/NDF : 8559.4/31

All: 389.723 ± 1.160 χ^2/NDF : 13456.3/64

- sign 402.608 ± 1.657 χ^2/NDF : 4778.3/32

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021 $\pm$ 2.144 χ^2/NDF : 249.5/15

Left Out: 116.419 $\pm$ 2.078 χ^2/NDF : 718.6/15

Right Out: 93.771 $\pm$ 2.138 χ^2/NDF : 237.1/18

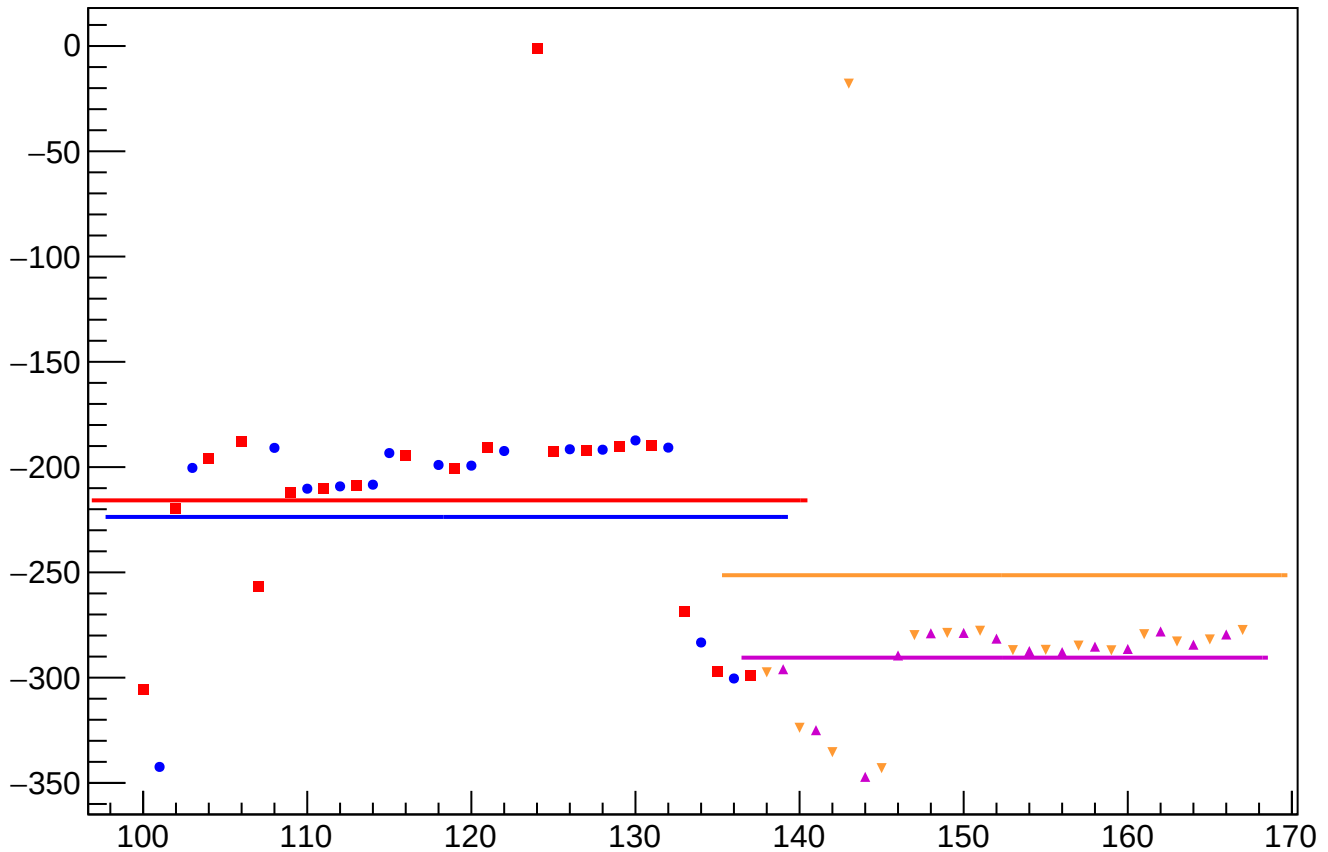
Left In: 138.111 $\pm$ 2.317 χ^2/NDF : 192.0/13

+ sign 107.507 $\pm$ 1.492 χ^2/NDF : 1006.1/31

All: 110.666 $\pm$ 1.082 χ^2/NDF : 1642.5/64

- sign 114.168 $\pm$ 1.571 χ^2/NDF : 626.9/32

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666 $\pm$ 0.138 χ^2 /NDF: 121528.3/15

Left Out: -251.352 $\pm$ 0.100 χ^2 /NDF: 968307.8/15

Right Out: -215.797 $\pm$ 0.134 χ^2 /NDF: 81516.6/18

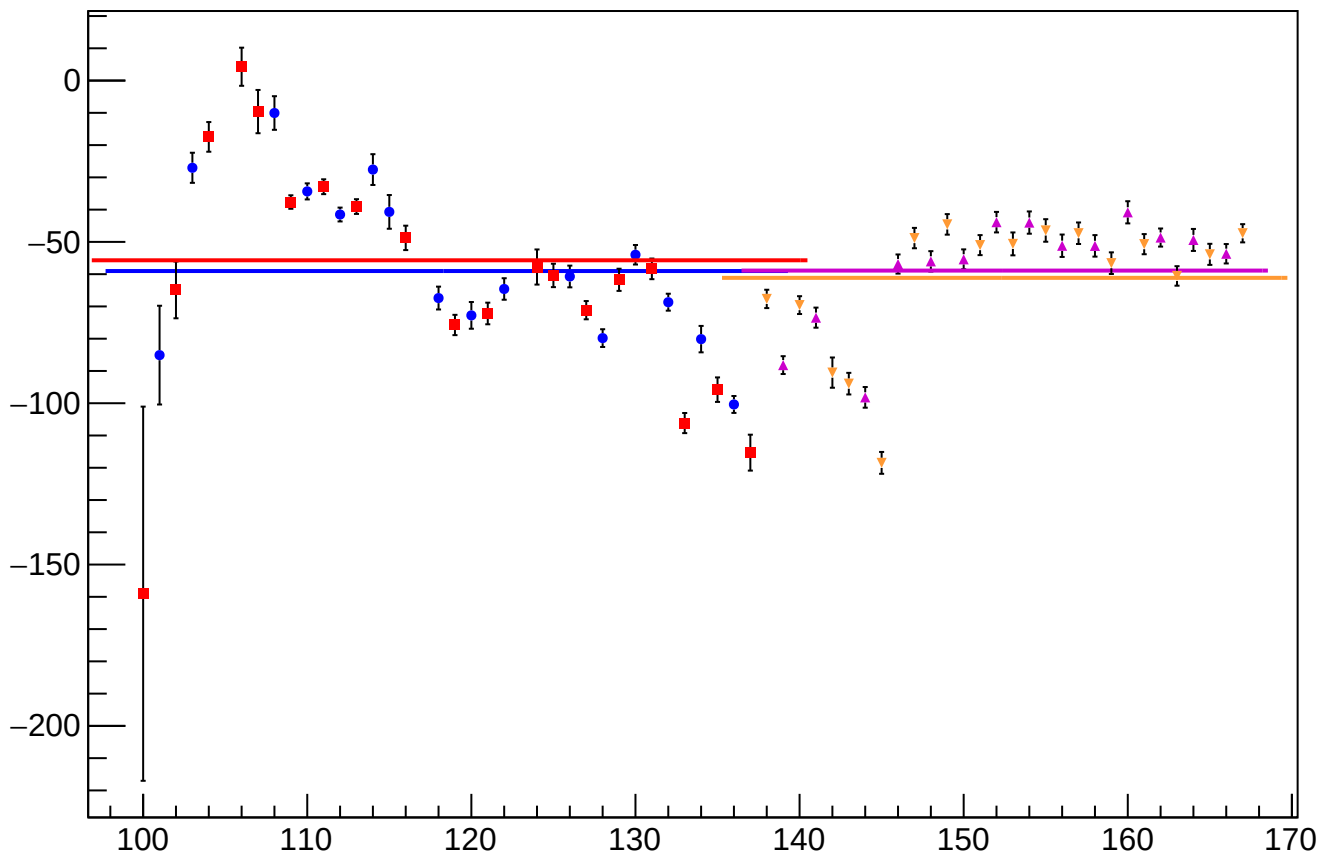
Left In: -290.505 $\pm$ 0.108 χ^2 /NDF: 27156.1/13

+ sign -241.843 $\pm$ 0.081 χ^2 /NDF: 1116151.2/31

All: -251.075 $\pm$ 0.058 χ^2 /NDF: 1439348.4/64

- sign -261.065 $\pm$ 0.084 χ^2 /NDF: 296178.9/32

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030 ± 0.829 χ^2/NDF : 727.3/15

Left Out: -61.143 ± 0.803 χ^2/NDF : 574.8/15

Right Out: -55.701 ± 0.790 χ^2/NDF : 1041.1/18

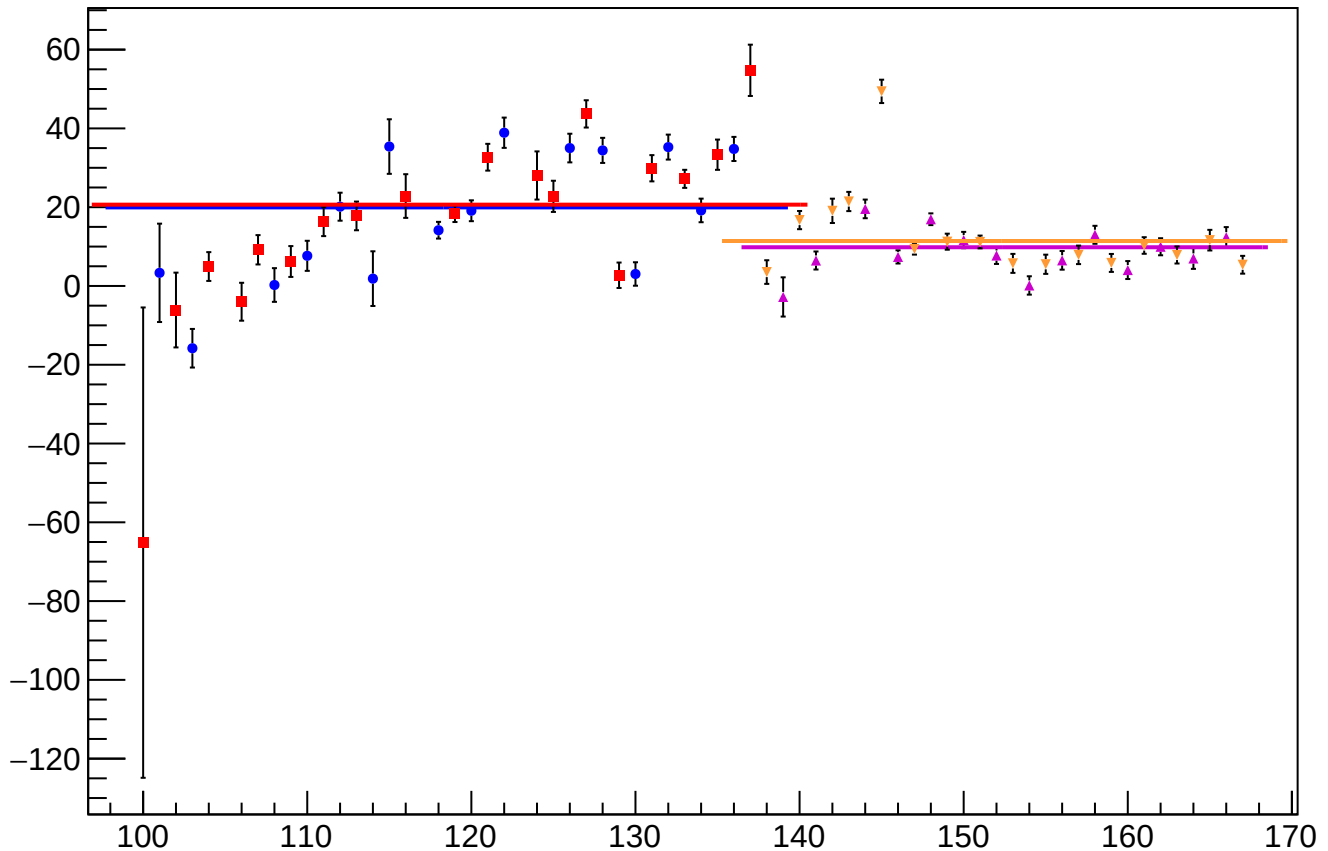
Left In: -58.888 ± 0.841 χ^2/NDF : 390.1/13

+ sign -60.120 ± 0.577 χ^2/NDF : 1305.5/31

All: -58.655 ± 0.407 χ^2/NDF : 2757.2/64

- sign -57.195 ± 0.576 χ^2/NDF : 1438.8/32

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946 $\pm$ 0.867 χ^2 /NDF: 247.2/15

Left Out: 11.415 $\pm$ 0.553 χ^2 /NDF: 231.1/15

Right Out: 20.643 $\pm$ 0.844 χ^2 /NDF: 224.8/18

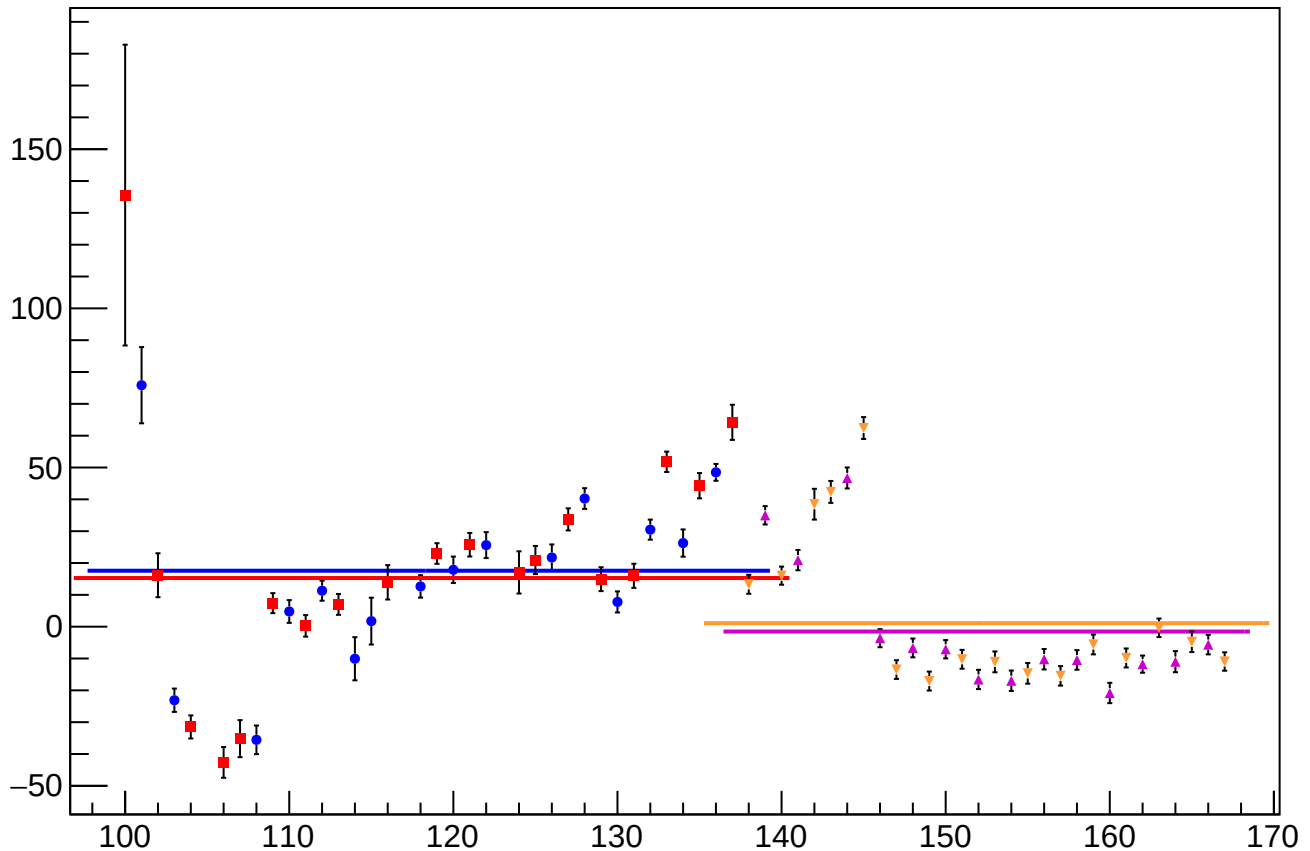
Left In: 9.829 $\pm$ 0.585 χ^2 /NDF: 81.9/13

+ sign 13.878 $\pm$ 0.466 χ^2 /NDF: 547.0/31

All: 13.618 $\pm$ 0.335 χ^2 /NDF: 965.2/64

- sign 13.342 $\pm$ 0.481 χ^2 /NDF: 417.5/32

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574 ± 0.957 $\chi^2/\text{NDF}: 546.2/15$

Left Out: 1.101 ± 0.782 $\chi^2/\text{NDF}: 747.8/15$

Right Out: 15.283 ± 0.934 $\chi^2/\text{NDF}: 730.0/18$

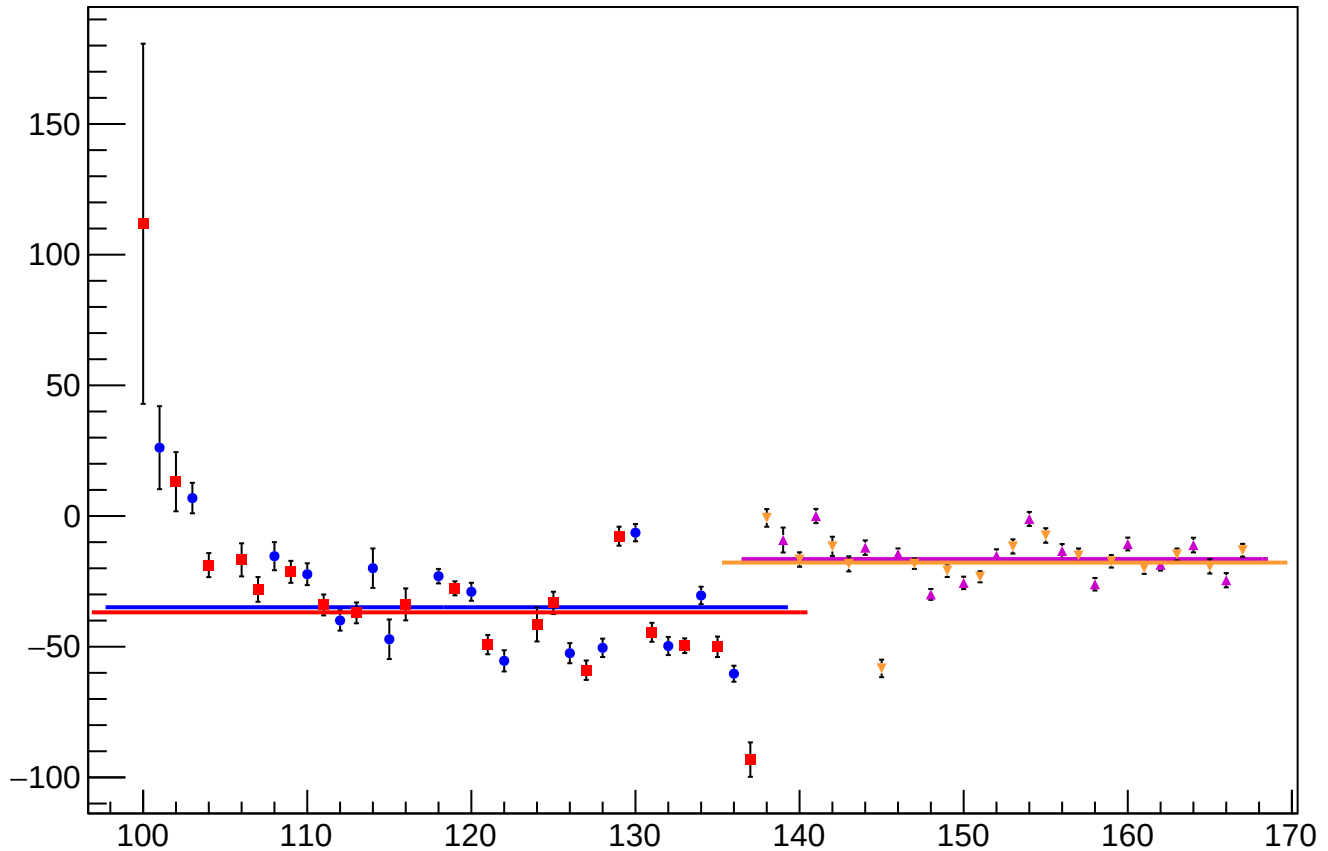
Left In: -1.535 ± 0.813 $\chi^2/\text{NDF}: 556.0/13$

+ sign 7.702 ± 0.606 $\chi^2/\text{NDF}: 1471.7/31$

All: 6.723 ± 0.431 $\chi^2/\text{NDF}: 2947.5/64$

- sign 5.718 ± 0.613 $\chi^2/\text{NDF}: 1470.5/32$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899 ± 0.990 χ^2/NDF : 346.6/15

Left Out: -17.808 ± 0.644 χ^2/NDF : 209.3/15

Right Out: -36.853 ± 0.970 χ^2/NDF : 301.4/18

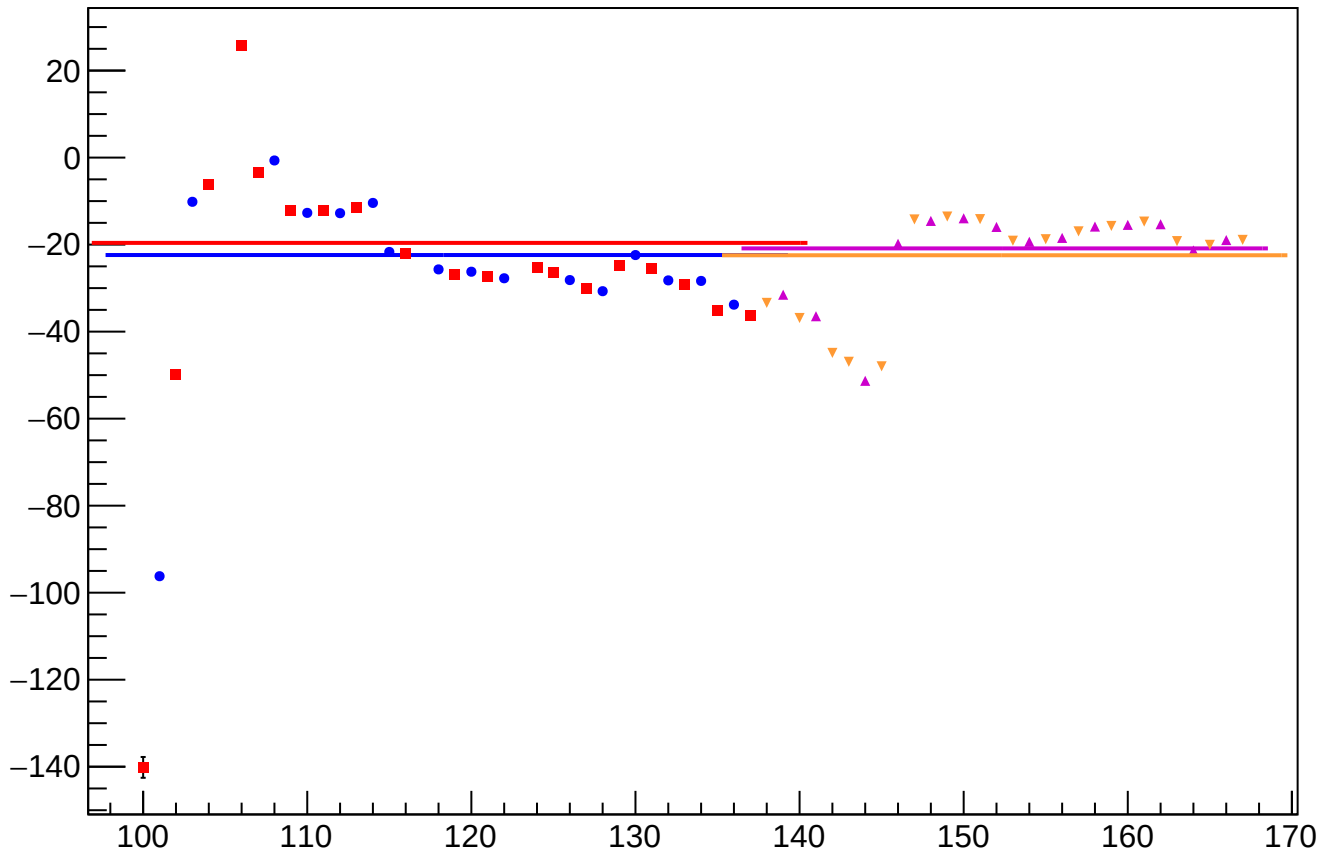
Left In: -16.463 ± 0.679 χ^2/NDF : 168.7/13

+ sign -22.885 ± 0.540 χ^2/NDF : 765.3/31

All: -23.026 ± 0.387 χ^2/NDF : 1532.3/64

- sign -23.176 ± 0.556 χ^2/NDF : 766.8/32

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394 ± 0.058 χ^2/NDF : 46519.7/15

Left Out: -22.449 ± 0.029 χ^2/NDF : 130796.4/15

Right Out: -19.605 ± 0.059 χ^2/NDF : 83865.7/18

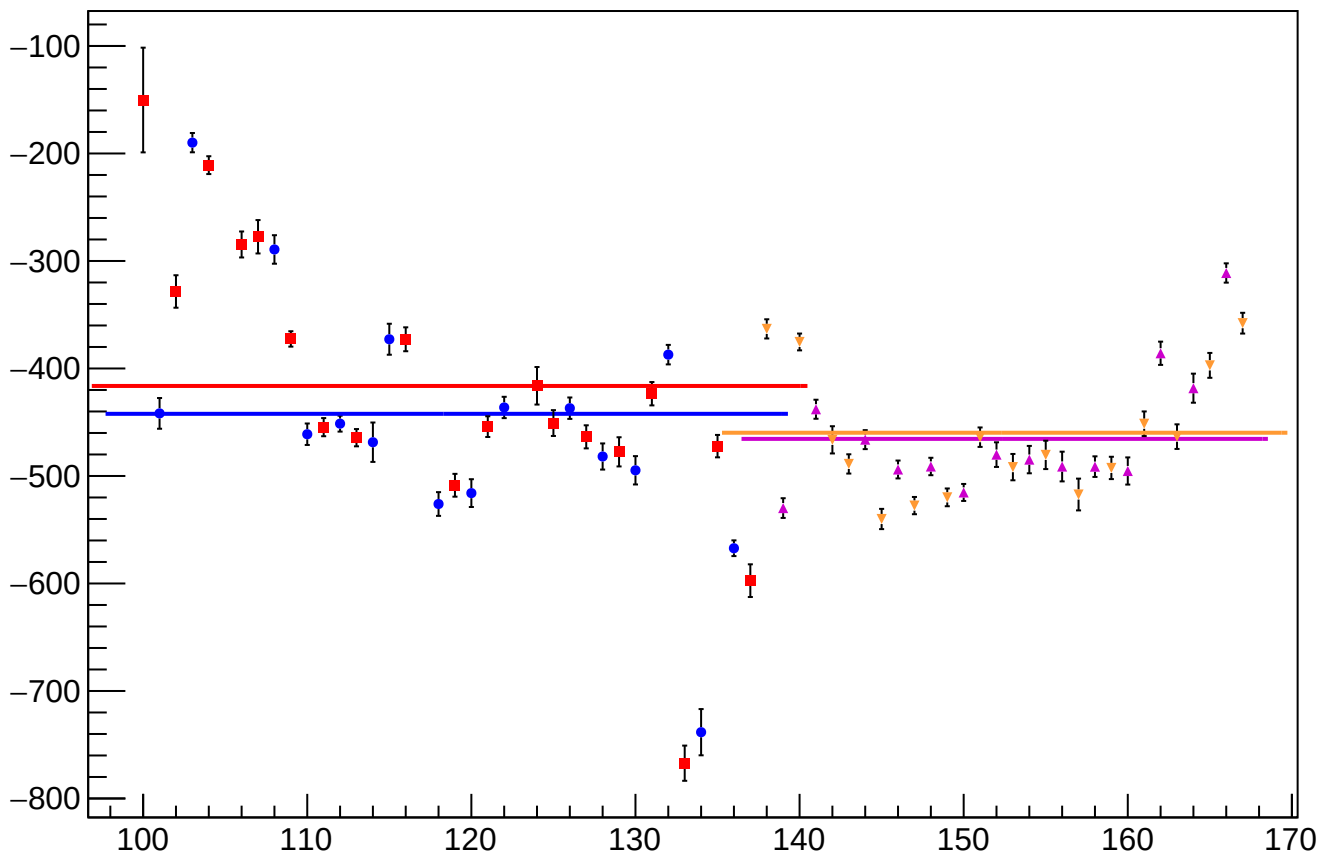
Left In: -20.872 ± 0.031 χ^2/NDF : 84625.9/13

+ sign -22.437 ± 0.026 χ^2/NDF : 177316.7/31

All: -21.553 ± 0.019 χ^2/NDF : 348509.8/64

- sign -20.607 ± 0.027 χ^2/NDF : 168850.8/32

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182 ± 2.682 $\chi^2/\text{NDF}: 1589.1/15$

Left Out: -459.774 ± 2.493 $\chi^2/\text{NDF}: 616.9/15$

Right Out: -416.259 ± 2.523 $\chi^2/\text{NDF}: 1753.8/18$

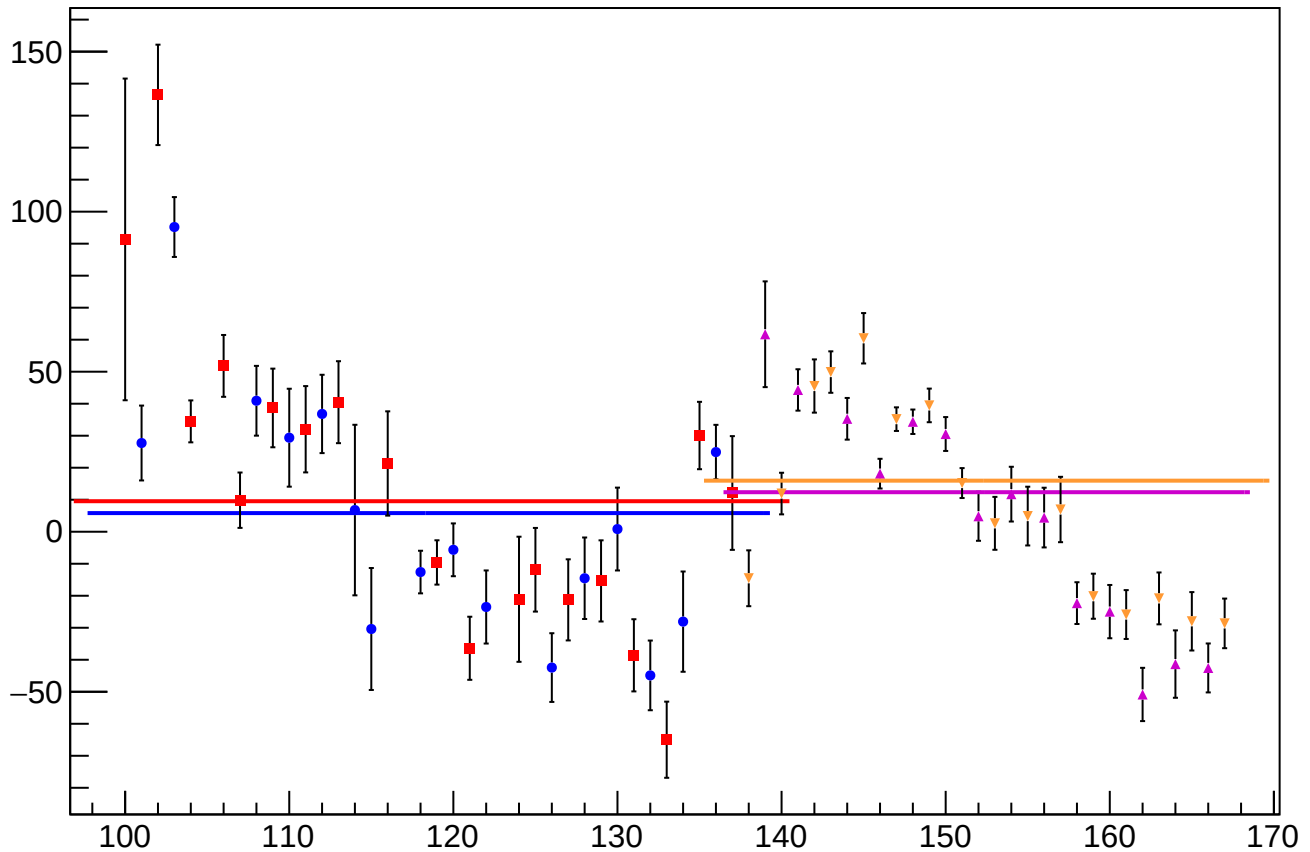
Left In: -465.503 ± 2.619 $\chi^2/\text{NDF}: 502.6/13$

+ sign -451.619 ± 1.826 $\chi^2/\text{NDF}: 2229.1/31$

All: -445.758 ± 1.288 $\chi^2/\text{NDF}: 4689.4/64$

- sign -439.954 ± 1.817 $\chi^2/\text{NDF}: 2439.8/32$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824 ± 2.728 $\chi^2/\text{NDF}: 188.1/15$

Left Out: 15.957 ± 1.657 $\chi^2/\text{NDF}: 269.9/15$

Right Out: 9.536 ± 2.556 $\chi^2/\text{NDF}: 222.2/18$

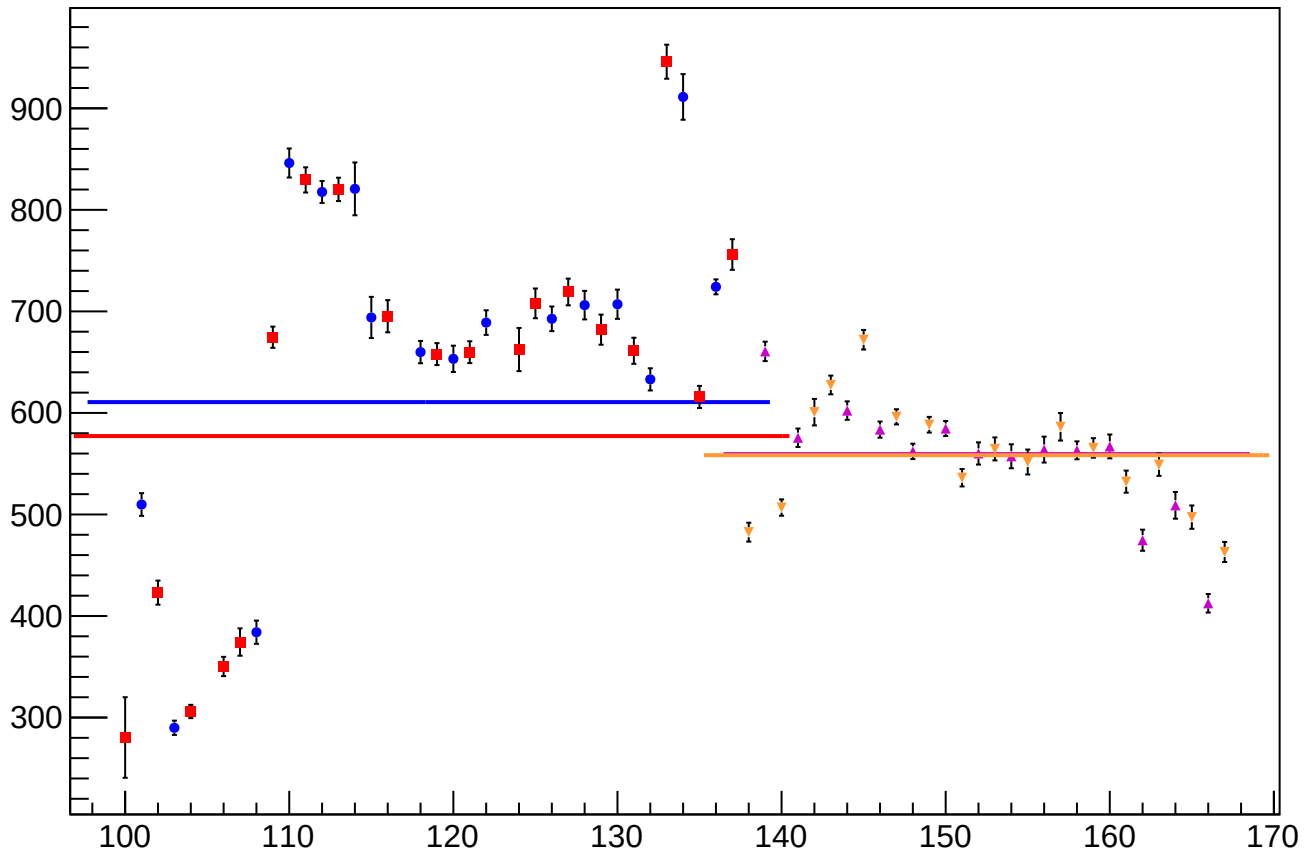
Left In: 12.351 ± 1.761 $\chi^2/\text{NDF}: 277.6/13$

+ sign 13.226 ± 1.416 $\chi^2/\text{NDF}: 468.1/31$

All: 12.356 ± 1.013 $\chi^2/\text{NDF}: 969.4/64$

- sign 11.445 ± 1.450 $\chi^2/\text{NDF}: 500.5/32$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665 $\pm$ 2.892 χ^2 /NDF: 3892.6/15

Left Out: 558.360 $\pm$ 2.435 χ^2 /NDF: 493.4/15

Right Out: 577.205 $\pm$ 2.755 χ^2 /NDF: 4800.3/18

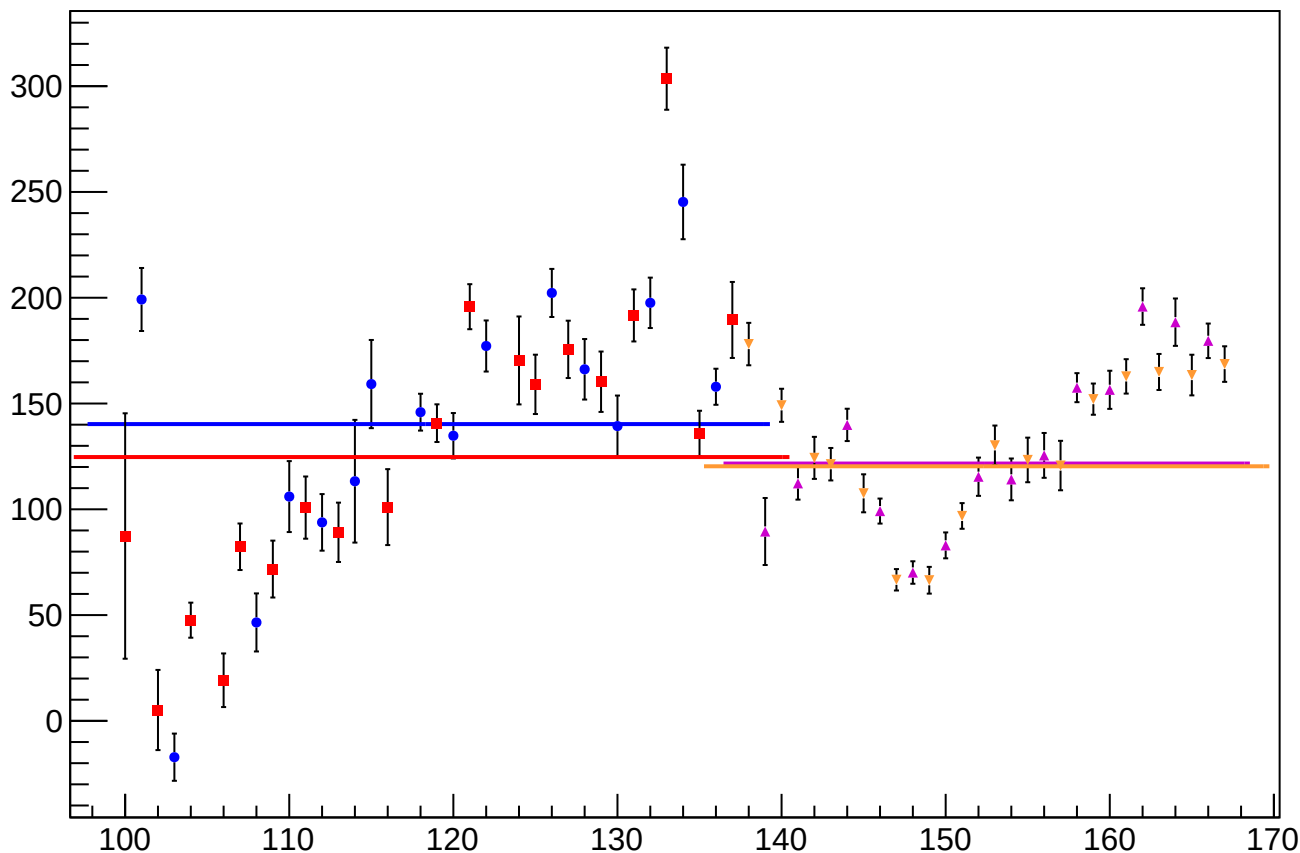
Left In: 559.451 $\pm$ 2.537 χ^2 /NDF: 497.8/13

+ sign 580.057 $\pm$ 1.863 χ^2 /NDF: 4577.3/31

All: 573.838 $\pm$ 1.318 χ^2 /NDF: 9920.3/64

- sign 567.596 $\pm$ 1.866 χ^2 /NDF: 5320.6/32

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278 $\pm$ 3.151 χ^2/NDF : 385.4/15

Left Out: 120.331 $\pm$ 1.972 χ^2/NDF : 376.5/15

Right Out: 124.697 $\pm$ 2.979 χ^2/NDF : 508.5/18

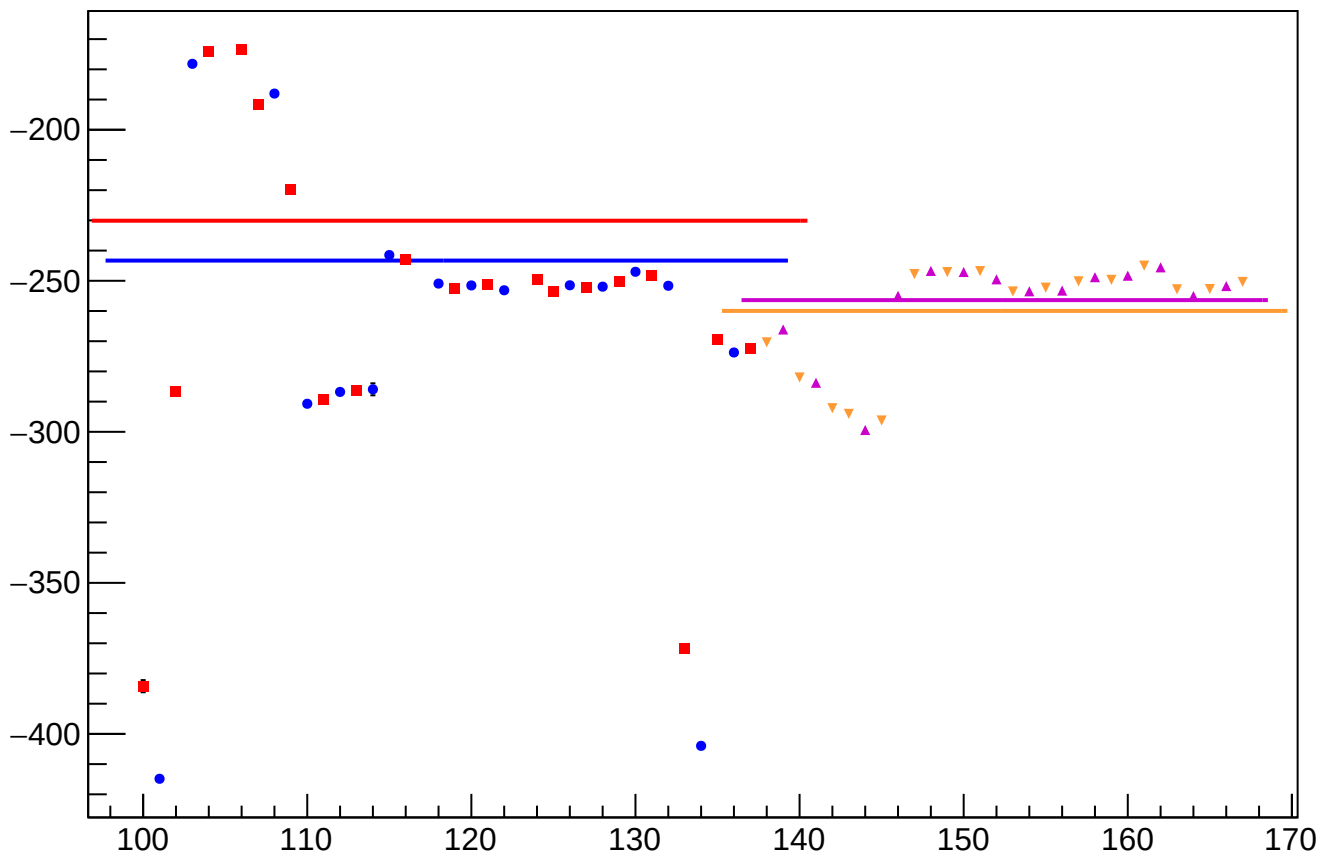
Left In: 121.629 $\pm$ 2.085 χ^2/NDF : 363.1/13

+ sign 125.946 $\pm$ 1.672 χ^2/NDF : 790.7/31

All: 124.327 $\pm$ 1.195 χ^2/NDF : 1665.0/64

- sign 122.638 $\pm$ 1.708 χ^2/NDF : 872.4/32

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308 ± 0.163 $\chi^2/\text{NDF}: 173487.9/15$

Left Out: -259.971 ± 0.095 $\chi^2/\text{NDF}: 34337.2/15$

Right Out: -230.109 ± 0.157 $\chi^2/\text{NDF}: 102451.2/18$

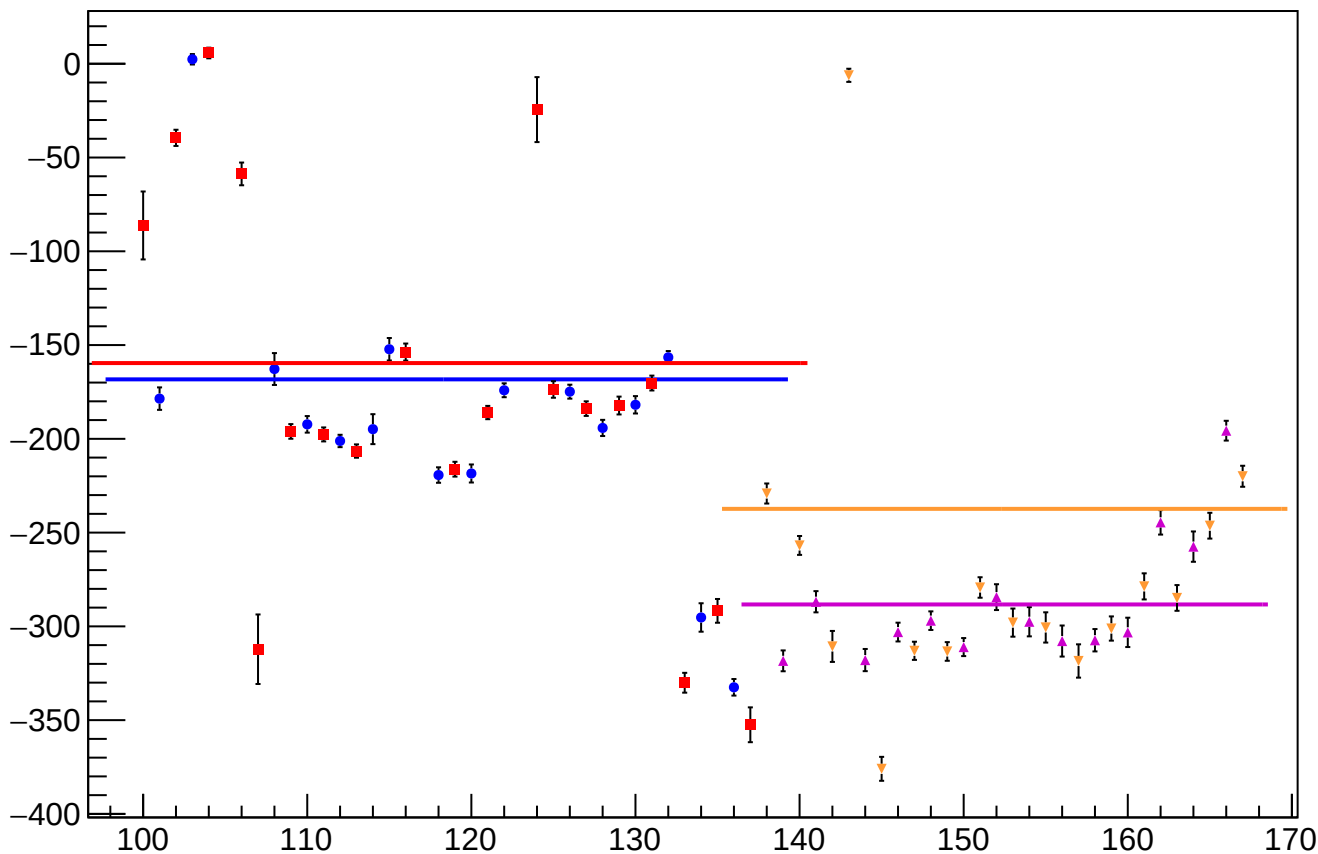
Left In: -256.398 ± 0.098 $\chi^2/\text{NDF}: 21703.8/13$

+ sign -255.755 ± 0.082 $\chi^2/\text{NDF}: 215678.1/31$

All: -252.475 ± 0.058 $\chi^2/\text{NDF}: 363260.0/64$

- sign -249.101 ± 0.083 $\chi^2/\text{NDF}: 144316.6/32$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291 ± 1.076 χ^2/NDF : 5907.6/15

Left Out: -237.339 ± 1.449 χ^2/NDF : 5845.8/15

Right Out: -159.602 ± 1.042 χ^2/NDF : 7197.9/18

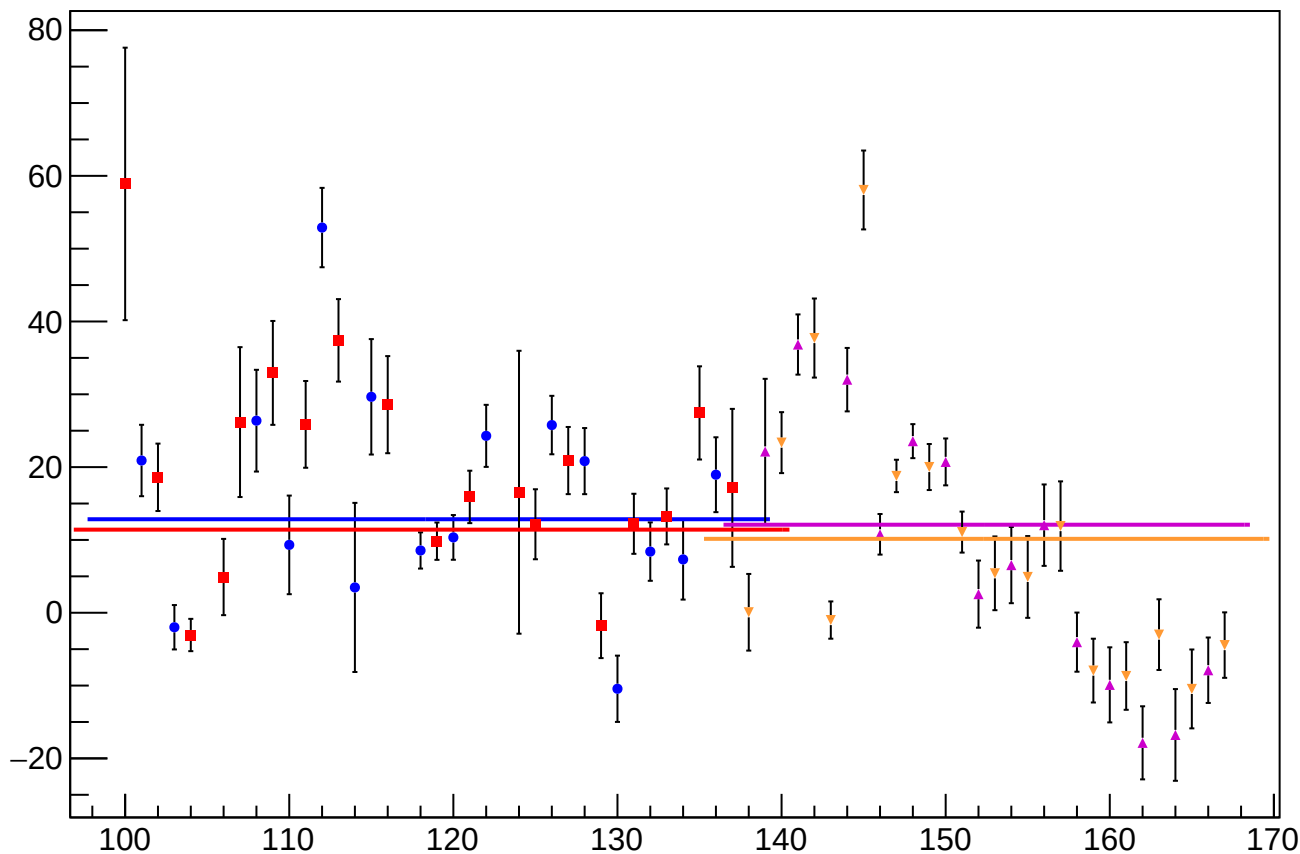
Left In: -288.314 ± 1.607 χ^2/NDF : 477.9/13

+ sign -192.817 ± 0.864 χ^2/NDF : 13216.7/31

All: -195.241 ± 0.615 χ^2/NDF : 25425.0/64

- sign -197.725 ± 0.874 χ^2/NDF : 12192.3/32

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842 $\pm$ 1.076 χ^2 /NDF: 143.7/15

Left Out: 10.150 $\pm$ 0.970 χ^2 /NDF:229.3/15

Right Out: 11.414 $\pm$ 1.035 χ^2 /NDF: 119.6/18

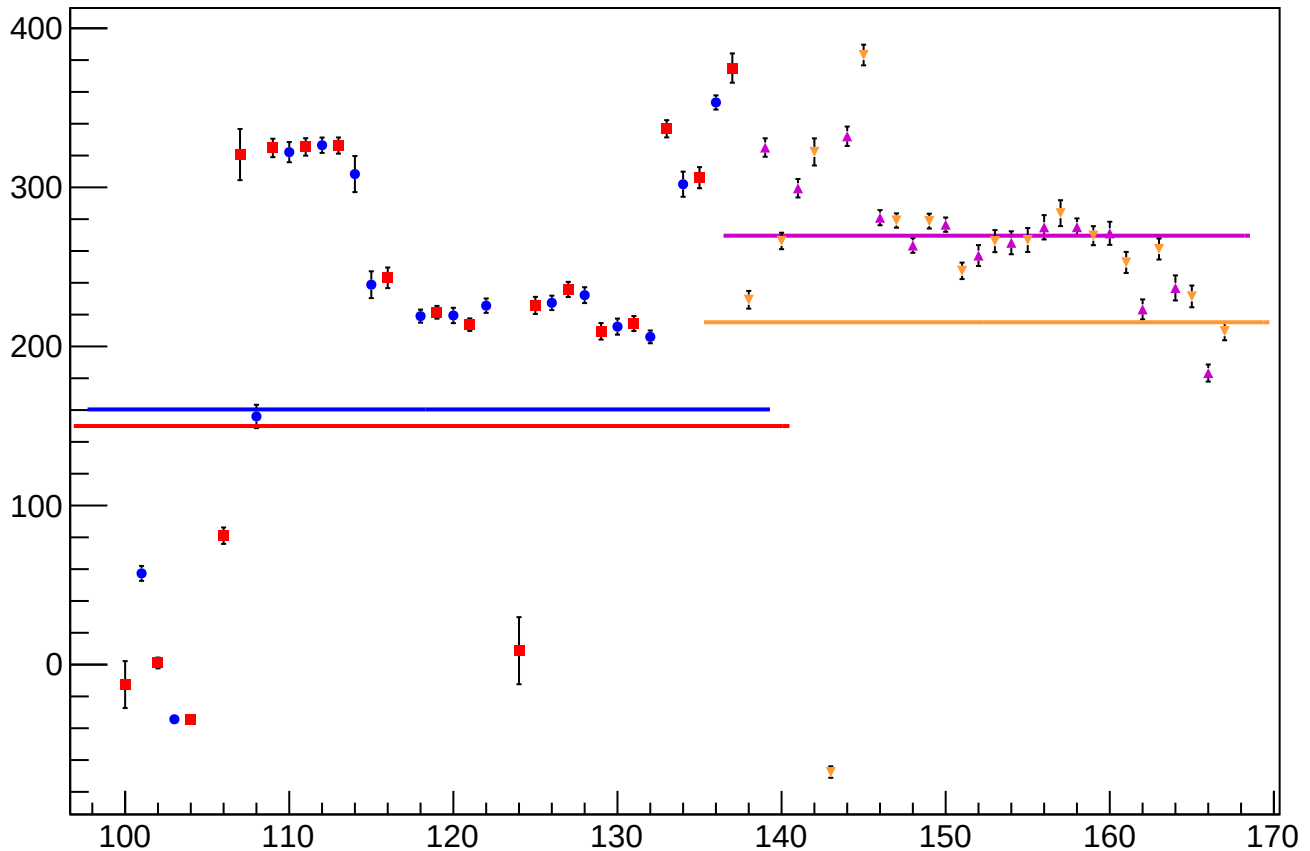
Left In: 12.090 $\pm$ 1.080 χ^2 /NDF:205.1/13

+ sign 11.356 $\pm$ 0.720 χ^2 /NDF: 376.4/31

All: 11.540 $\pm$ 0.519 χ^2 /NDF: 701.4/64

- sign 11.738 $\pm$ 0.747 χ^2 /NDF: 324.8/32

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407 $\pm$ 1.139 χ^2/NDF : 13949.8/15

Left Out: 215.212 $\pm$ 1.421 χ^2/NDF : 7831.9/15

Right Out: 149.974 $\pm$ 1.107 χ^2/NDF : 16265.2/18

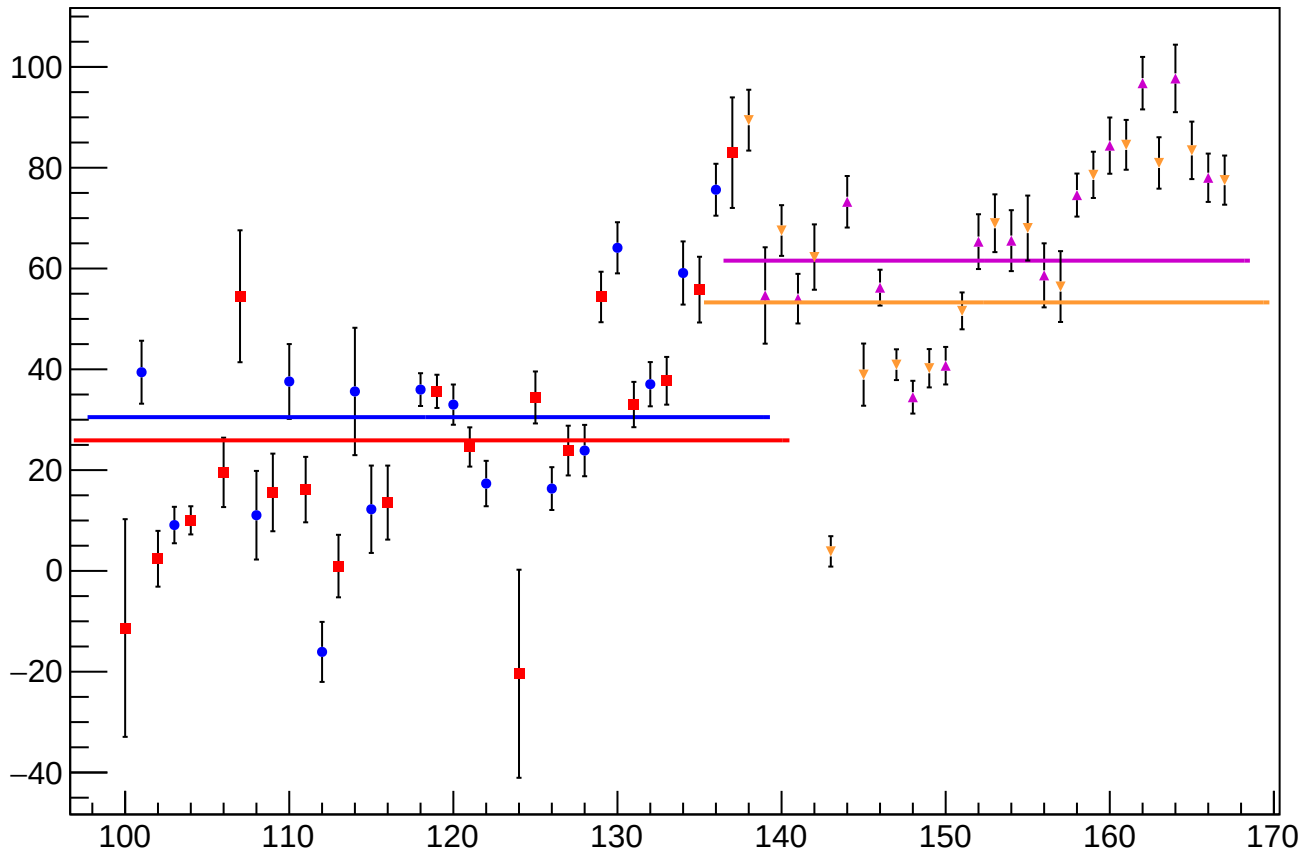
Left In: 269.621 $\pm$ 1.555 χ^2/NDF : 568.1/13

+ sign 181.838 $\pm$ 0.889 χ^2/NDF : 22687.1/31

All: 185.965 $\pm$ 0.633 χ^2/NDF : 43494.4/64

- sign 190.211 $\pm$ 0.902 χ^2/NDF : 20763.5/32

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510 $\pm$ 1.255 χ^2 /NDF: 276.9/15

Left Out: 53.276 $\pm$ 1.153 χ^2 /NDF: 513.3/15

Right Out: 25.903 $\pm$ 1.213 χ^2 /NDF: 187.8/18

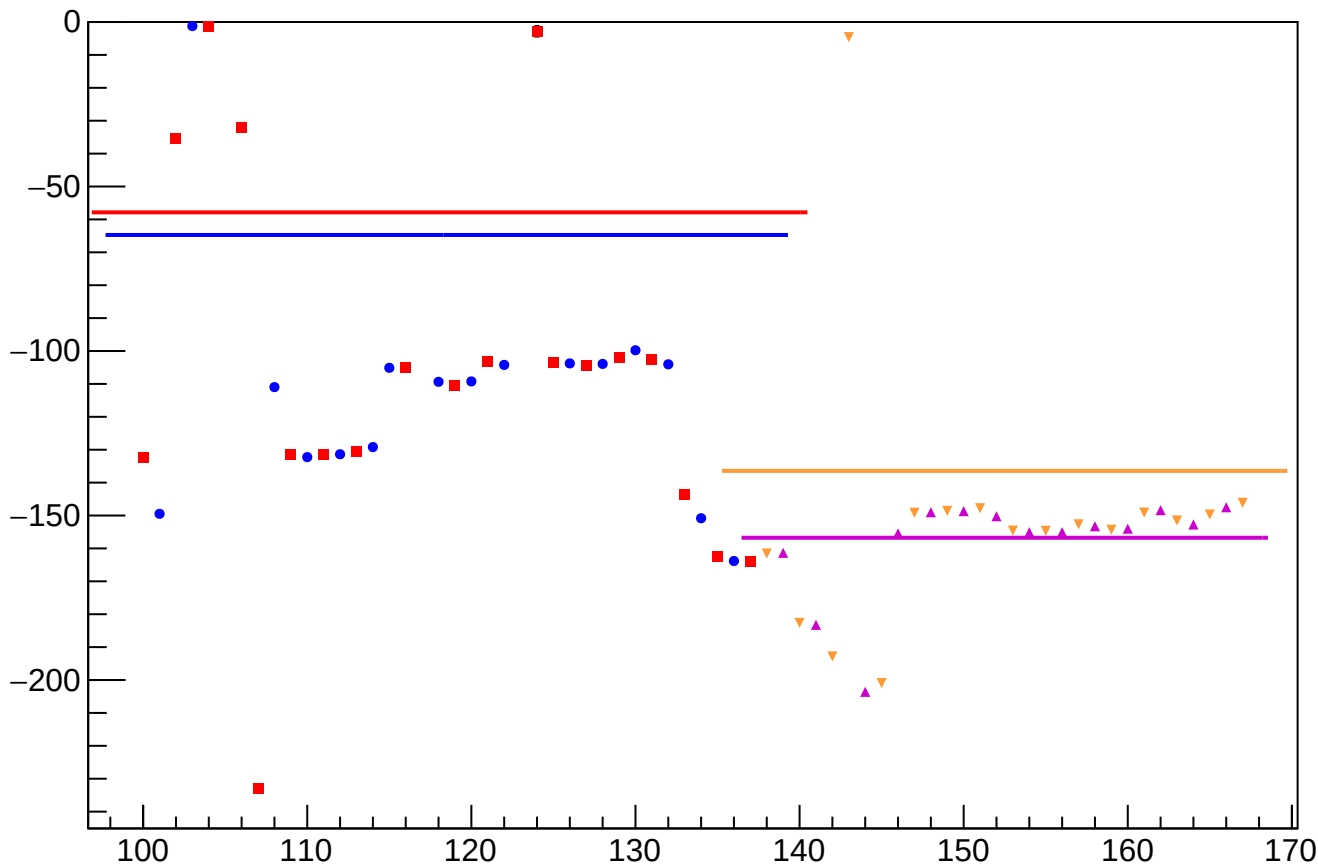
Left In: 61.562 $\pm$ 1.278 χ^2 /NDF: 224.9/13

+ sign 42.852 $\pm$ 0.849 χ^2 /NDF: 968.8/31

All: 42.826 $\pm$ 0.611 χ^2 /NDF: 1790.9/64

- sign 42.798 $\pm$ 0.880 χ^2 /NDF: 822.1/32

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726 ± 0.064 χ^2/NDF : 1044441.7/15

Left Out: -136.431 ± 0.055 χ^2/NDF : 960293.4/15

Right Out: -57.855 ± 0.062 χ^2/NDF : 875795.9/18

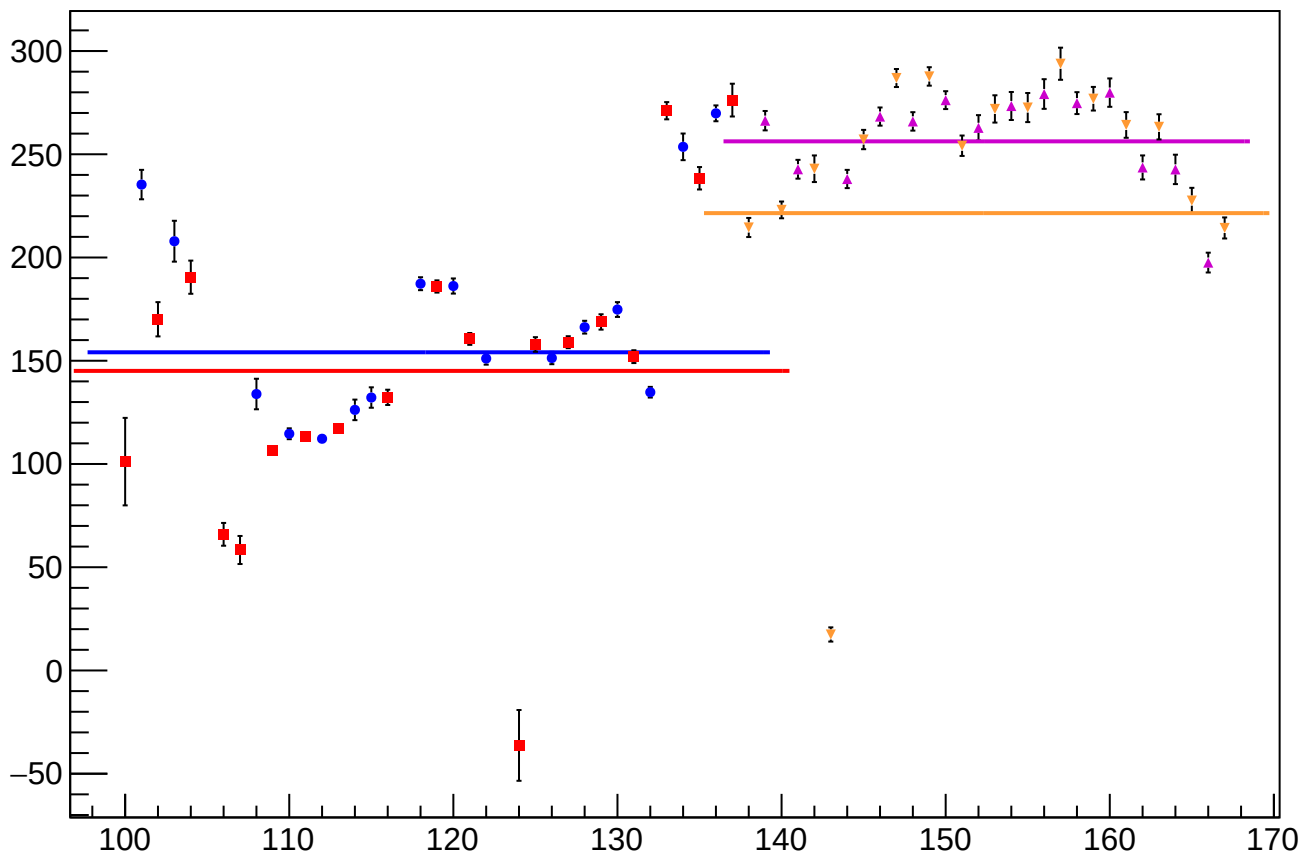
Left In: -156.758 ± 0.060 χ^2/NDF : 50575.4/13

+ sign -105.598 ± 0.042 χ^2/NDF : 2724922.0/31

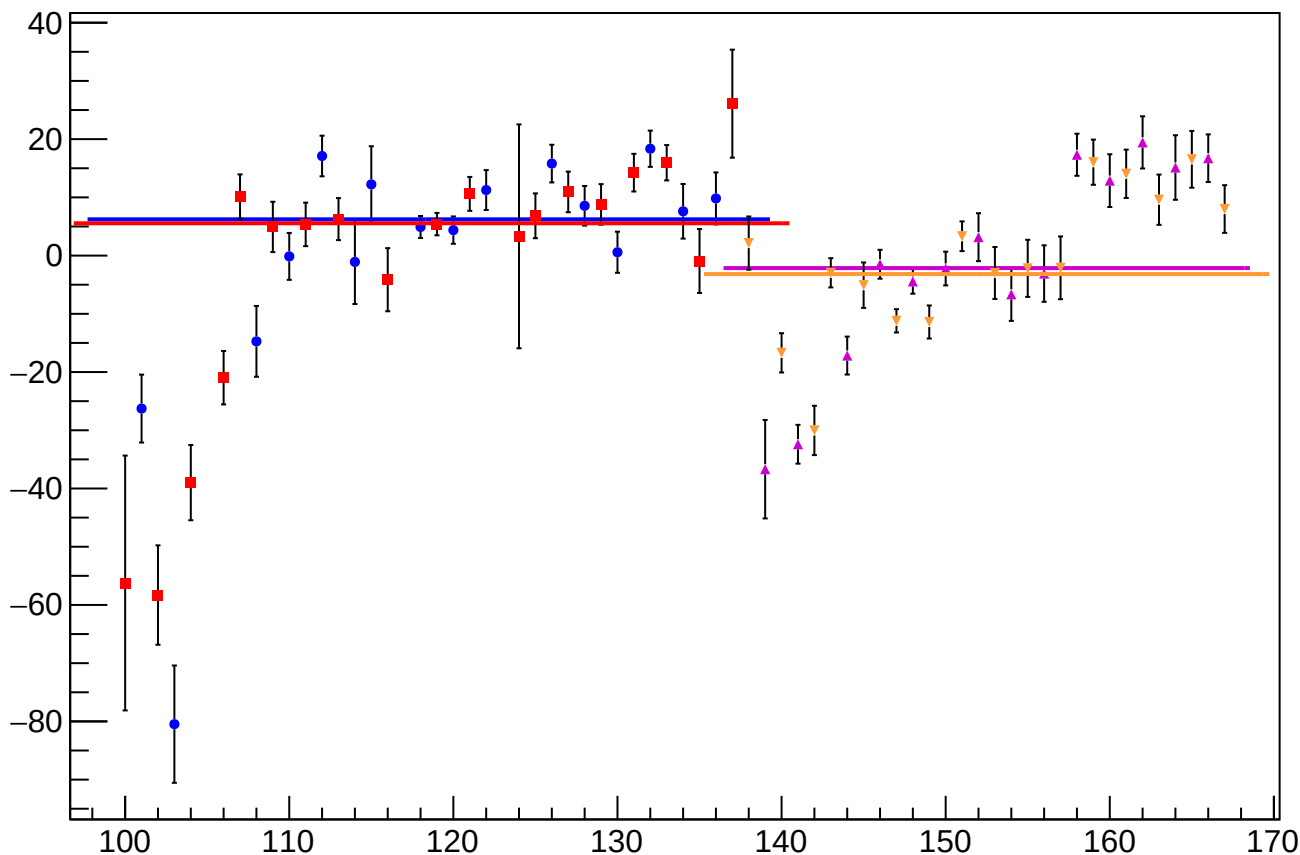
All: -107.403 ± 0.030 χ^2/NDF : 4972790.8/64

- sign -109.314 ± 0.043 χ^2/NDF : 2244035.9/32

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229 ± 0.890 χ^2/NDF : 162.1/15

Left Out: -3.171 ± 0.861 χ^2/NDF : 163.2/15

Right Out: 5.548 ± 0.889 χ^2/NDF : 181.1/18

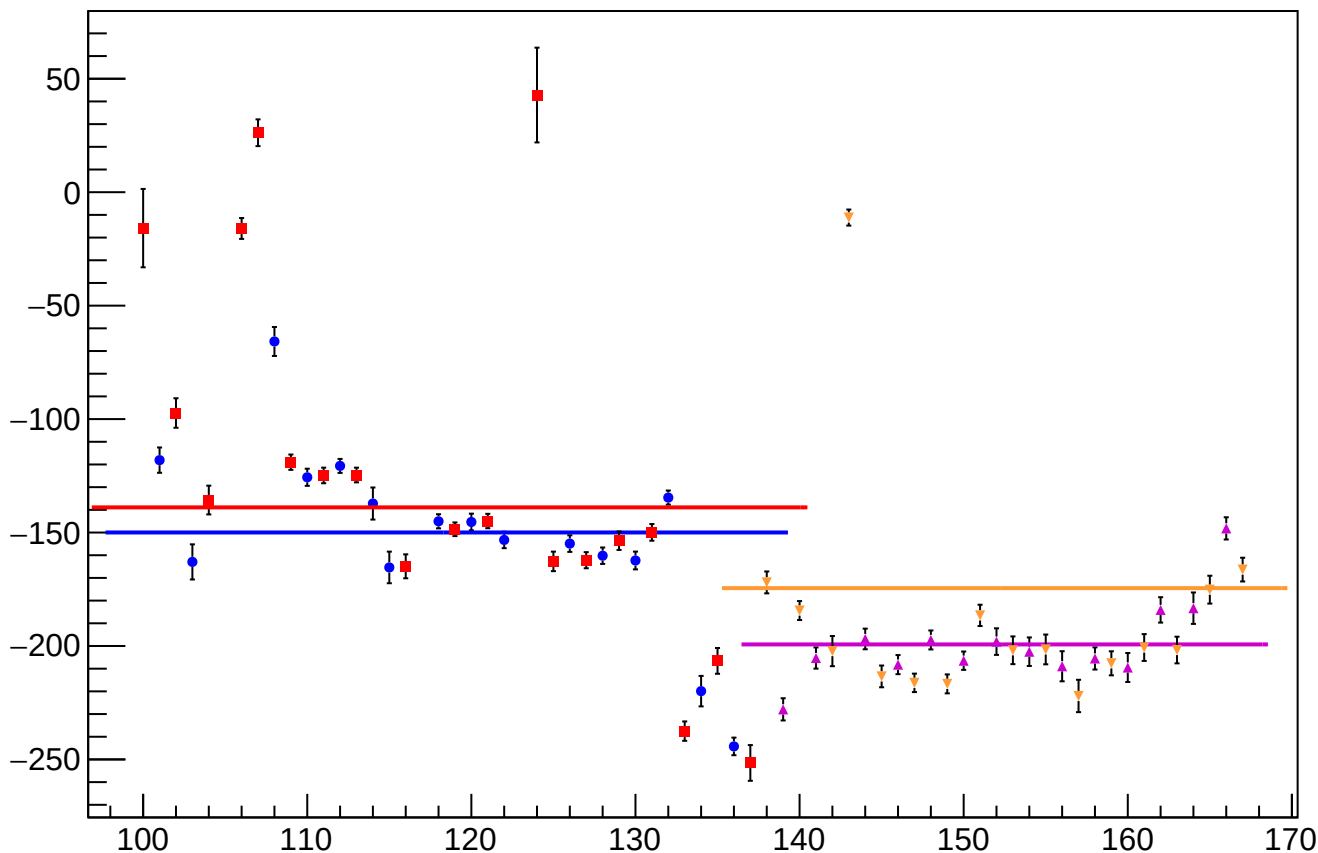
Left In: -2.145 ± 0.944 χ^2/NDF : 218.6/13

+ sign 1.375 ± 0.619 χ^2/NDF : 382.9/31

All: 1.639 ± 0.447 χ^2/NDF : 818.2/64

- sign 1.929 ± 0.647 χ^2/NDF : 434.9/32

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970 ± 1.026 χ^2/NDF : 1099.5/15

Left Out: -174.501 ± 1.255 χ^2/NDF : 2591.9/15

Right Out: -138.912 ± 0.993 χ^2/NDF : 2750.9/18

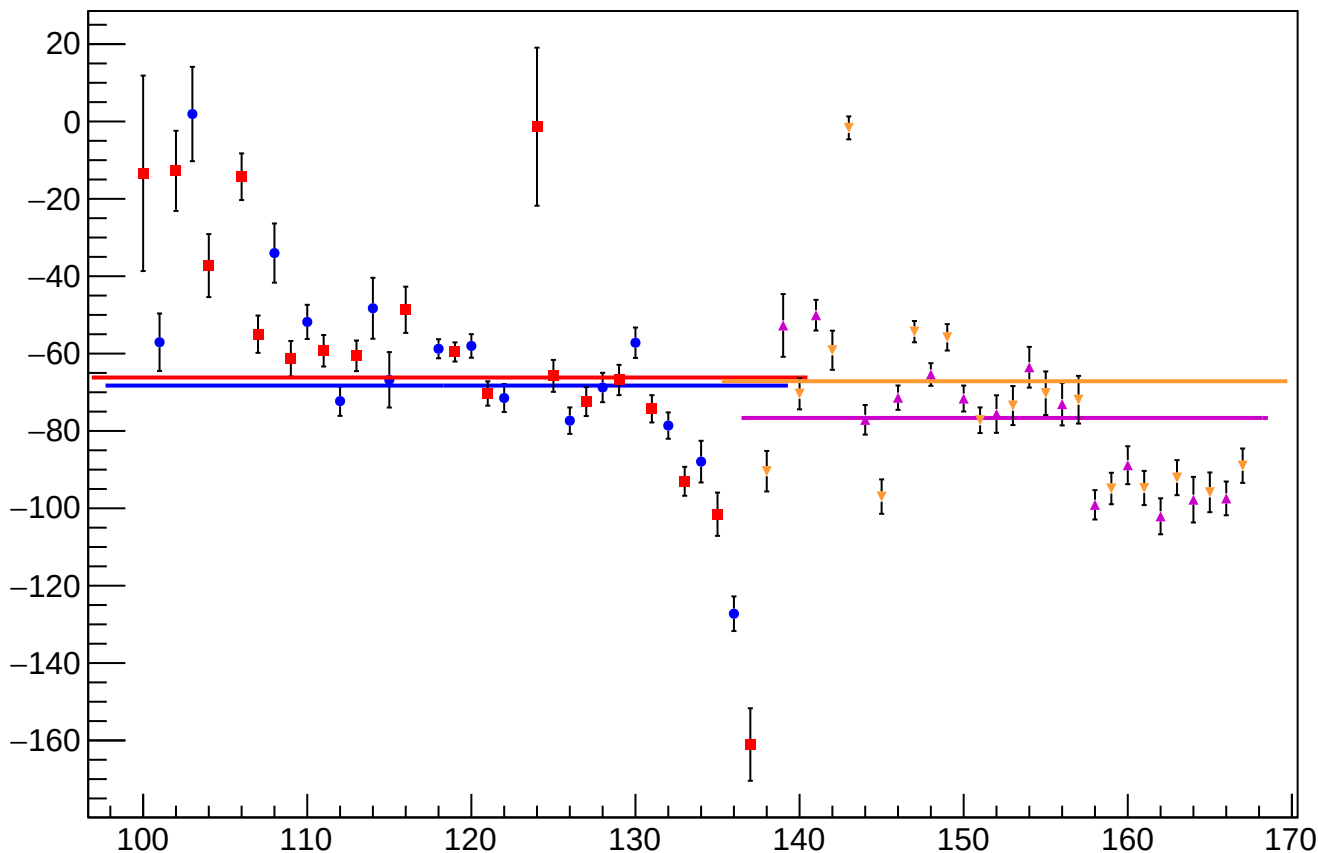
Left In: -199.310 ± 1.350 χ^2/NDF : 172.4/13

+ sign -159.797 ± 0.794 χ^2/NDF : 3920.6/31

All: -159.962 ± 0.564 χ^2/NDF : 8142.4/64

- sign -160.130 ± 0.800 χ^2/NDF : 4221.7/32

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272 ± 1.033 χ^2/NDF : 315.4/15

Left Out: -67.143 ± 1.023 χ^2/NDF : 772.4/15

Right Out: -66.186 ± 1.024 χ^2/NDF : 358.3/18

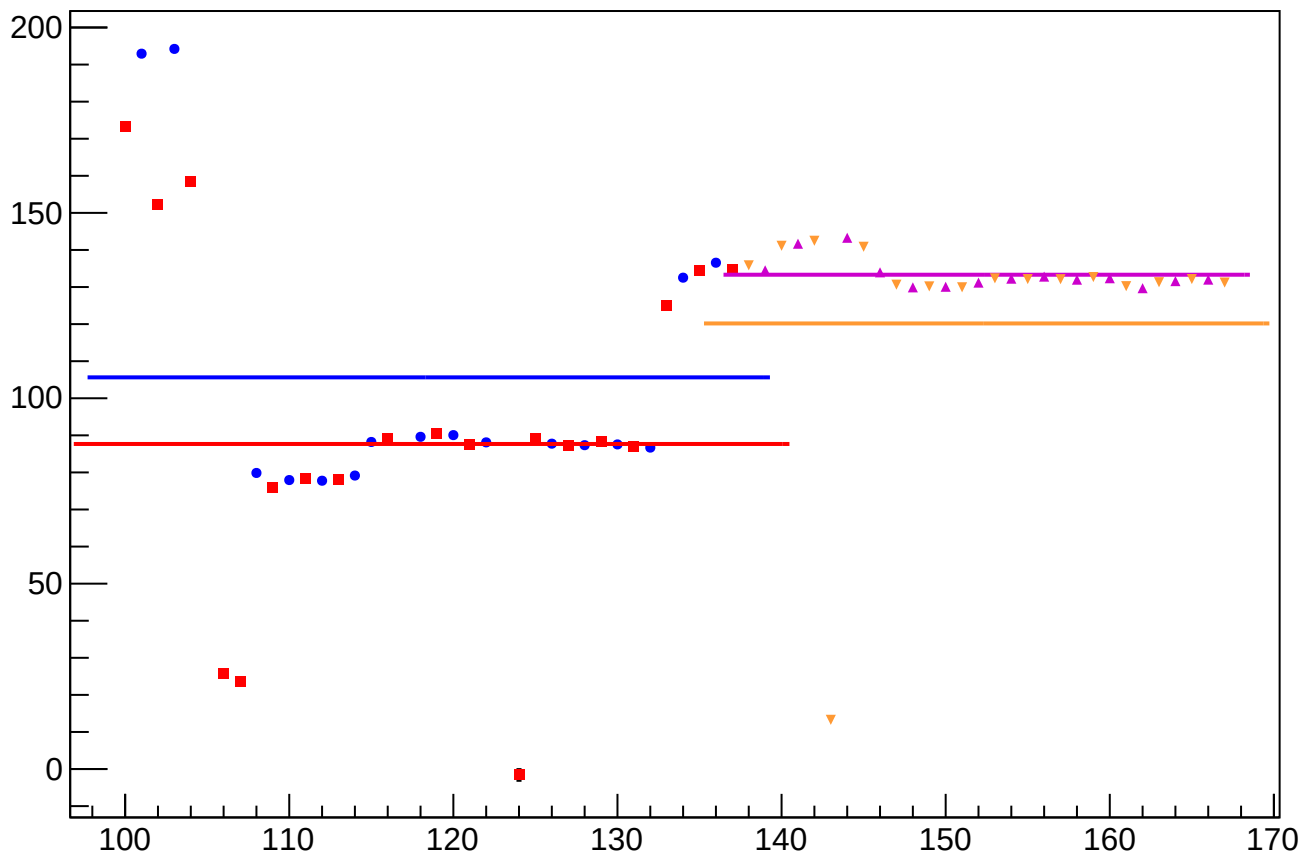
Left In: -76.638 ± 1.116 χ^2/NDF : 186.6/13

+ sign -67.702 ± 0.727 χ^2/NDF : 1088.4/31

All: -69.273 ± 0.523 χ^2/NDF : 1690.7/64

- sign -70.965 ± 0.754 χ^2/NDF : 592.6/32

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640 $\pm$ 0.071 χ^2 /NDF: 239614.1/15

Left Out: 120.180 $\pm$ 0.049 χ^2 /NDF: 600198.2/15

Right Out: 87.673 $\pm$ 0.066 χ^2 /NDF: 374460.7/18

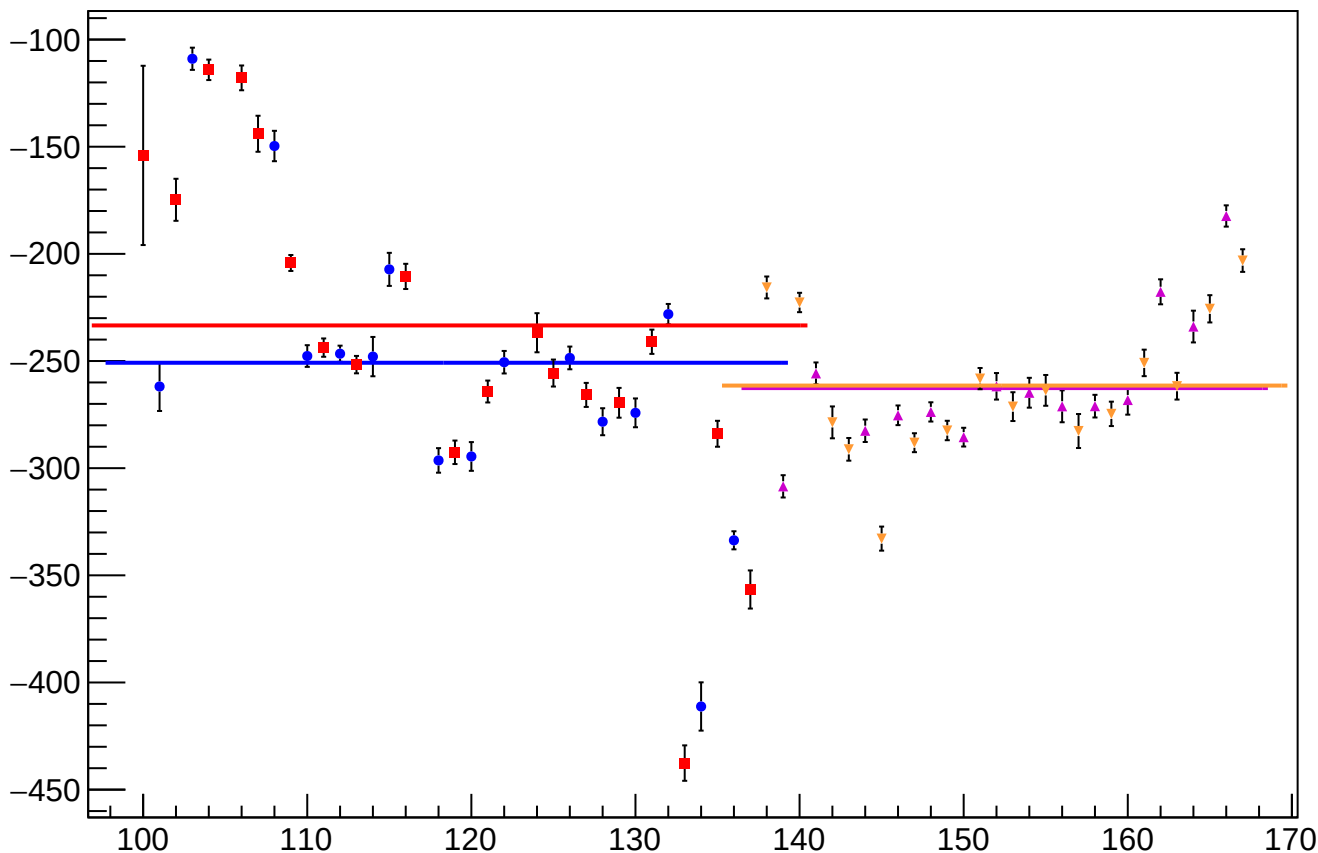
Left In: 133.320 $\pm$ 0.052 χ^2 /NDF: 5771.4/13

+ sign 115.485 $\pm$ 0.040 χ^2 /NDF: 868344.4/31

All: 115.607 $\pm$ 0.029 χ^2 /NDF: 1545967.0/64

- sign 115.732 $\pm$ 0.041 χ^2 /NDF: 677604.0/32

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2 /NDF: 1735.7/15

Left Out: -261.457+/-1.395 χ^2 /NDF: 582.1/15

Right Out: -233.396+/-1.333 χ^2 /NDF: 2378.5/18

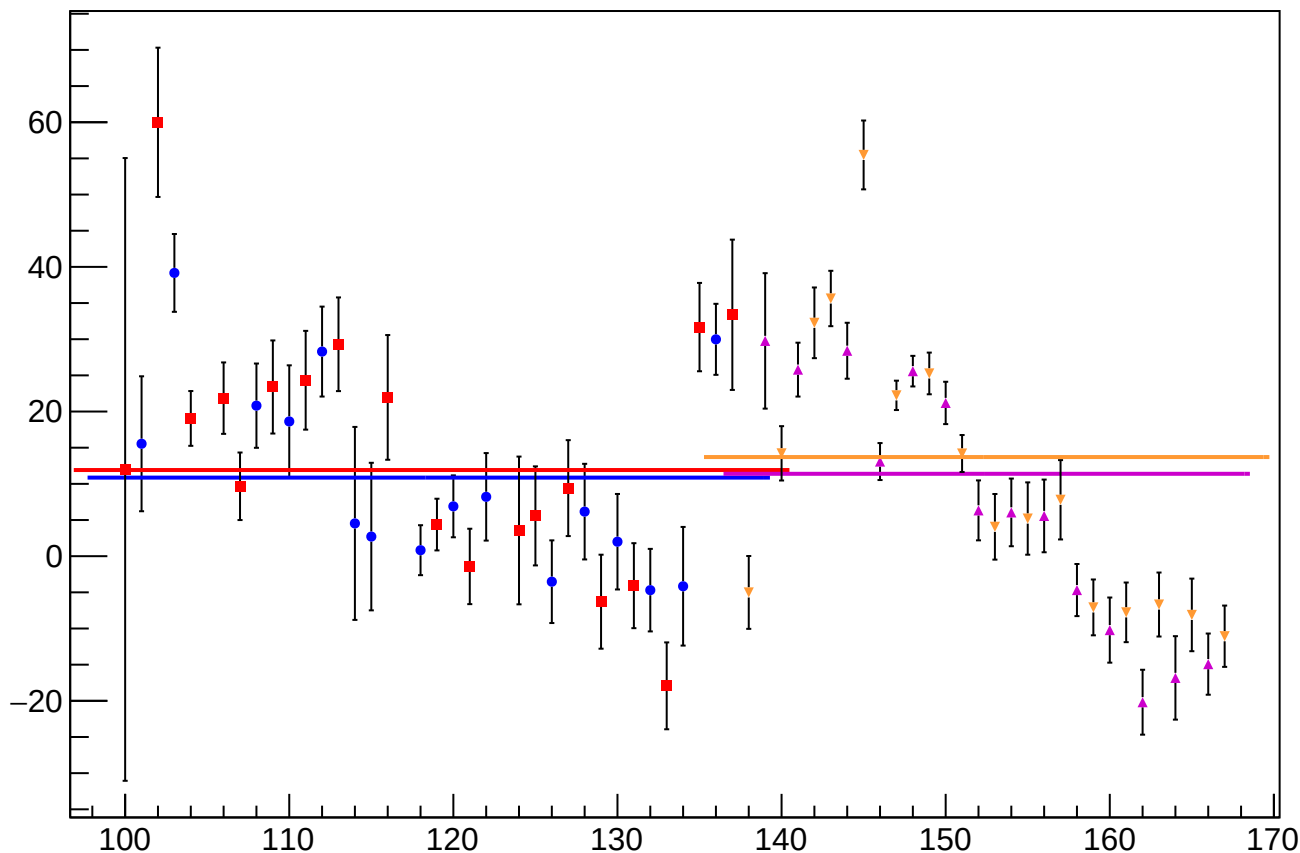
Left In: -262.631+/-1.457 χ^2 /NDF: 475.6/13

+ sign -256.297+/-1.001 χ^2 /NDF: 2346.0/31

All: -251.424+/-0.702 χ^2 /NDF: 5465.8/64

- sign -246.723+/-0.983 χ^2 /NDF: 3073.3/32

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864 ± 1.471 $\chi^2/\text{NDF}: 84.7/15$

Left Out: 13.707 ± 0.923 $\chi^2/\text{NDF}: 310.9/15$

Right Out: 11.912 ± 1.368 $\chi^2/\text{NDF}: 111.9/18$

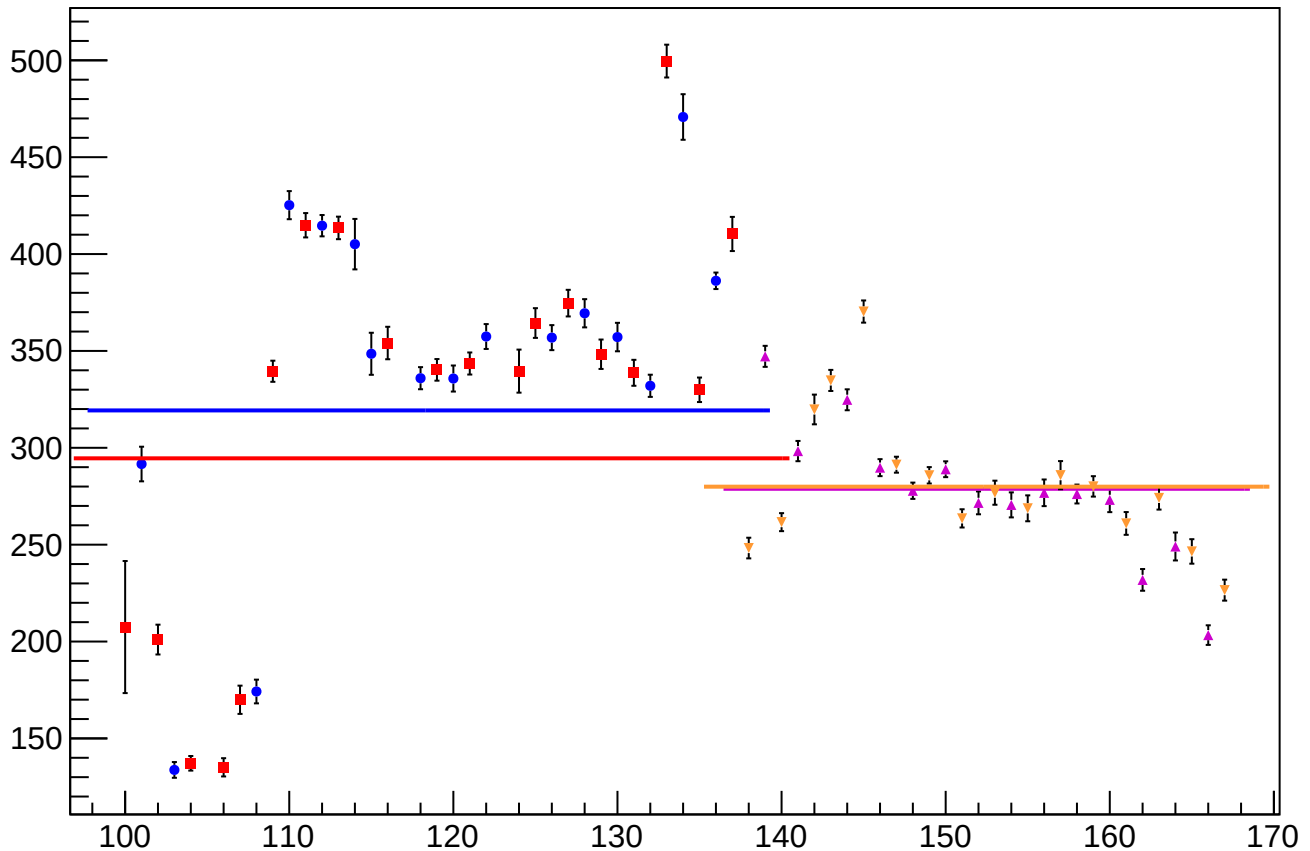
Left In: 11.391 ± 0.976 $\chi^2/\text{NDF}: 254.0/13$

+ sign 12.904 ± 0.781 $\chi^2/\text{NDF}: 398.2/31$

All: 12.247 ± 0.557 $\chi^2/\text{NDF}: 765.7/64$

- sign 11.567 ± 0.795 $\chi^2/\text{NDF}: 366.1/32$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293 $\pm$ 1.586 χ^2 /NDF: 3792.9/15

Left Out: 279.935 $\pm$ 1.359 χ^2 /NDF: 590.3/15

Right Out: 294.567 $\pm$ 1.481 χ^2 /NDF: 5503.2/18

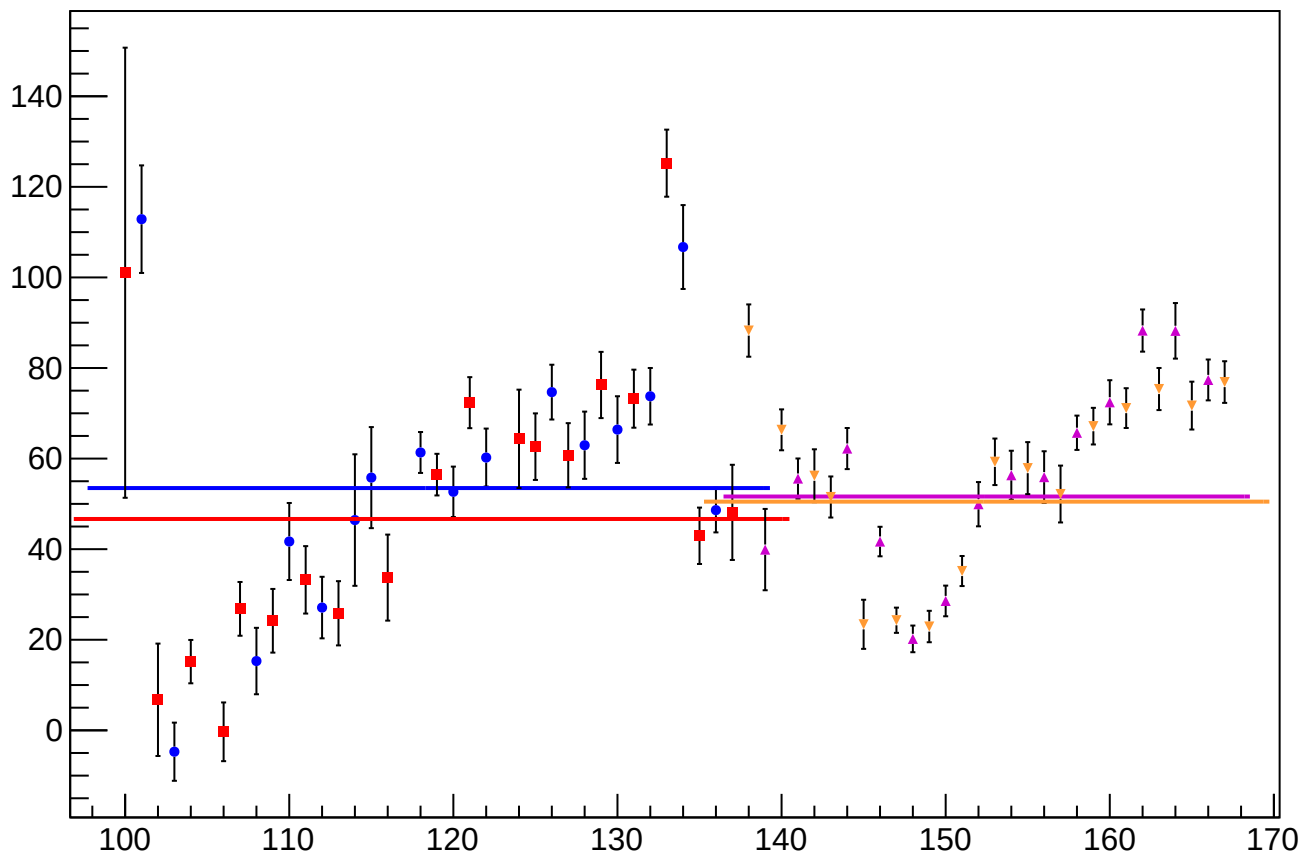
Left In: 278.846 $\pm$ 1.408 χ^2 /NDF: 571.5/13

+ sign 296.598 $\pm$ 1.032 χ^2 /NDF: 4738.3/31

All: 291.397 $\pm$ 0.726 χ^2 /NDF: 10922.5/64

- sign 286.309 $\pm$ 1.021 χ^2 /NDF: 6133.9/32

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494 $\pm$ 1.699 χ^2 /NDF: 217.2/15

Left Out: 50.494 $\pm$ 1.098 χ^2 /NDF: 375.4/15

Right Out: 46.666 $\pm$ 1.593 χ^2 /NDF: 325.6/18

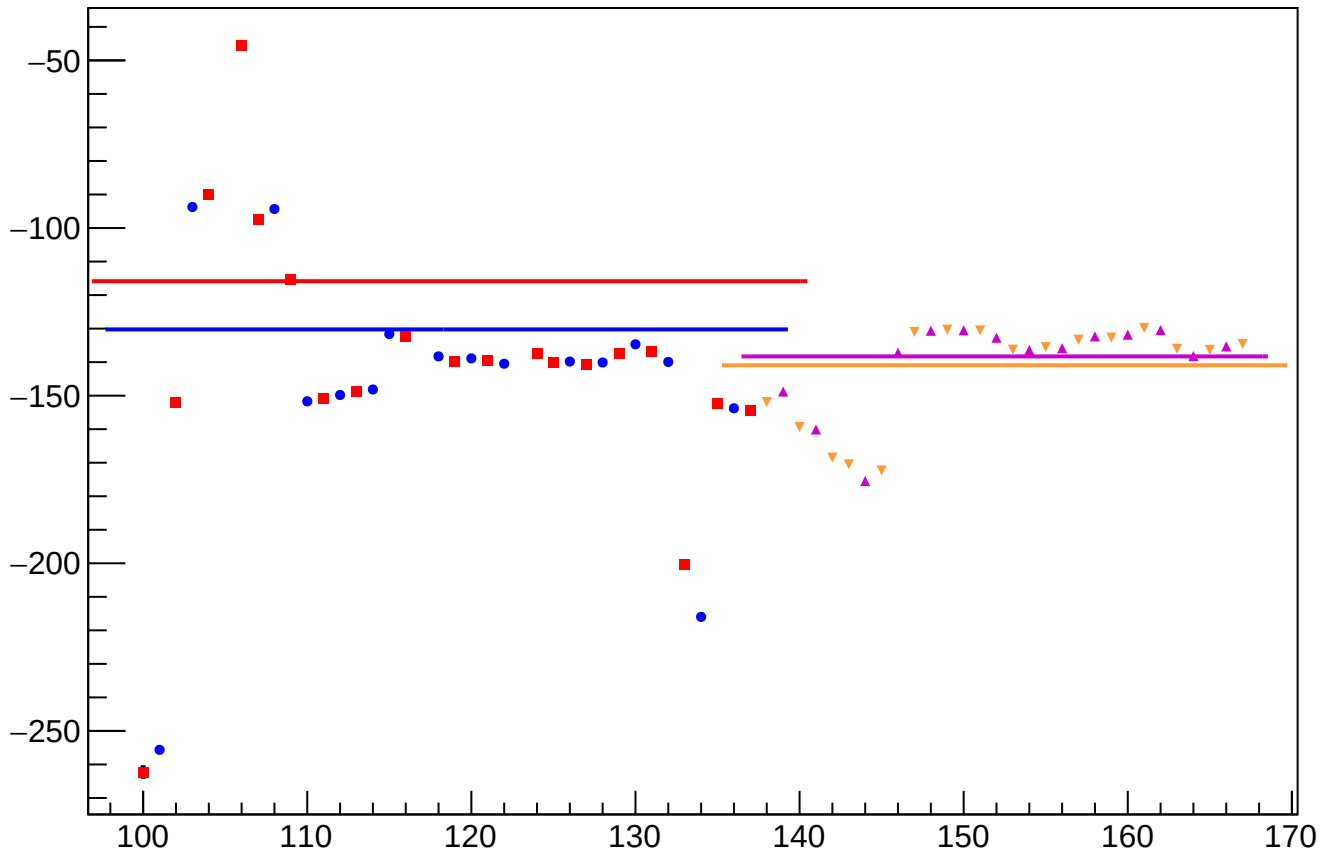
Left In: 51.626 $\pm$ 1.156 χ^2 /NDF: 341.1/13

+ sign 51.378 $\pm$ 0.922 χ^2 /NDF: 594.9/31

All: 50.658 $\pm$ 0.657 χ^2 /NDF: 1269.2/64

- sign 49.917 $\pm$ 0.935 χ^2 /NDF: 673.1/32

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236 ± 0.091 $\chi^2/\text{NDF}: 174208.5/15$

Left Out: -140.933 ± 0.053 $\chi^2/\text{NDF}: 72892.0/15$

Right Out: -115.865 ± 0.086 $\chi^2/\text{NDF}: 205899.4/18$

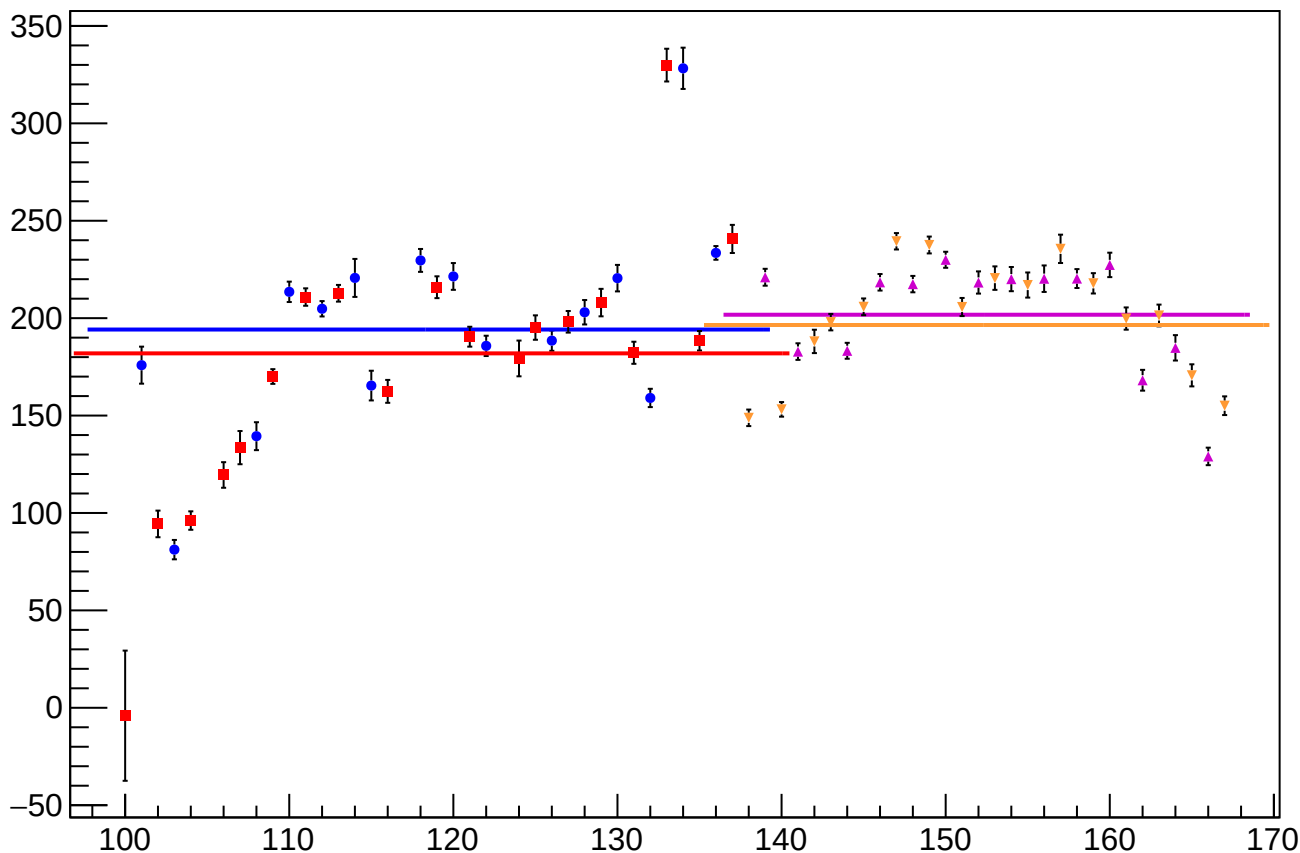
Left In: -138.296 ± 0.054 $\chi^2/\text{NDF}: 45724.1/13$

+ sign -138.257 ± 0.046 $\chi^2/\text{NDF}: 257442.9/31$

All: -135.100 ± 0.032 $\chi^2/\text{NDF}: 567728.2/64$

- sign -131.923 ± 0.046 $\chi^2/\text{NDF}: 300645.0/32$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164 ± 1.407 $\chi^2/\text{NDF}: 1035.2/15$

Left Out: 196.490 ± 1.226 $\chi^2/\text{NDF}: 633.1/15$

Right Out: 181.928 ± 1.322 $\chi^2/\text{NDF}: 1204.8/18$

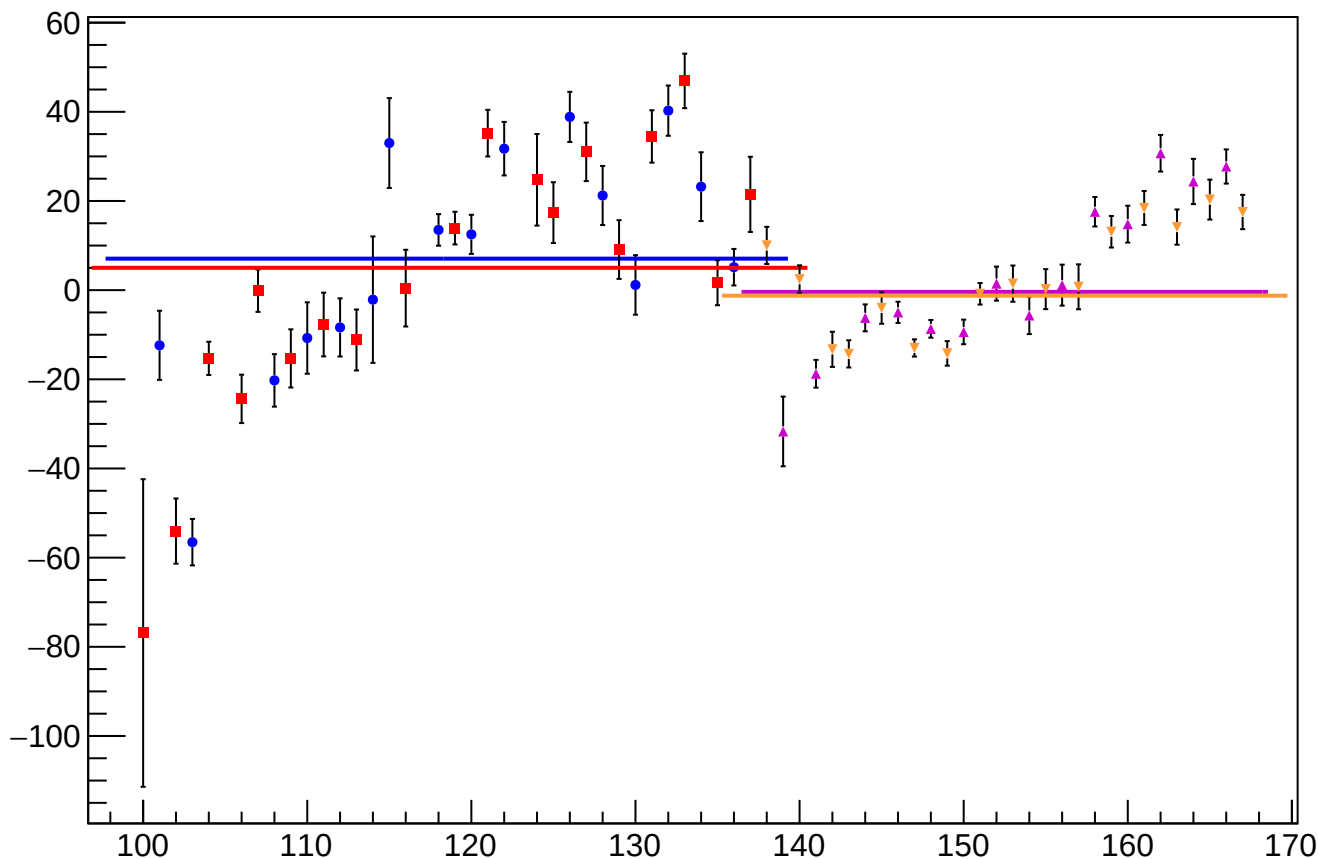
Left In: 201.759 ± 1.298 $\chi^2/\text{NDF}: 500.2/13$

+ sign 195.486 ± 0.924 $\chi^2/\text{NDF}: 1669.8/31$

All: 193.760 ± 0.654 $\chi^2/\text{NDF}: 3496.4/64$

- sign 192.026 ± 0.926 $\chi^2/\text{NDF}: 1819.6/32$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066 ± 1.443 χ^2/NDF : 292.6/15

Left Out: -1.238 ± 0.827 χ^2/NDF : 201.8/15

Right Out: 5.015 ± 1.355 χ^2/NDF : 288.5/18

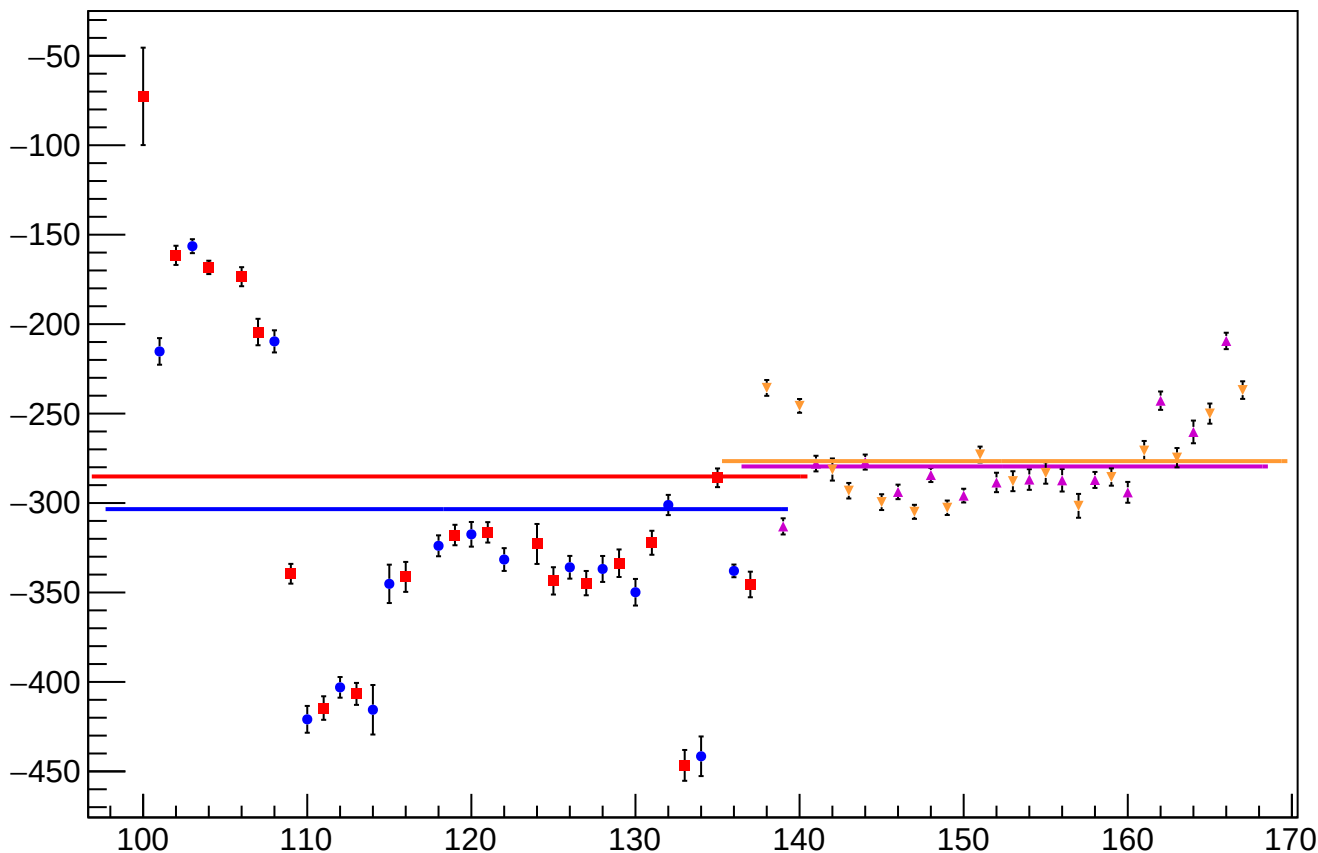
Left In: -0.391 ± 0.883 χ^2/NDF : 266.4/13

+ sign 0.816 ± 0.718 χ^2/NDF : 519.3/31

All: 1.013 ± 0.515 χ^2/NDF : 1085.5/64

- sign 1.222 ± 0.740 χ^2/NDF : 566.1/32

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408 ± 1.530 χ^2/NDF : 2785.5/15

Left Out: -276.574 ± 1.201 χ^2/NDF : 397.7/15

Right Out: -285.148 ± 1.451 χ^2/NDF : 3754.8/18

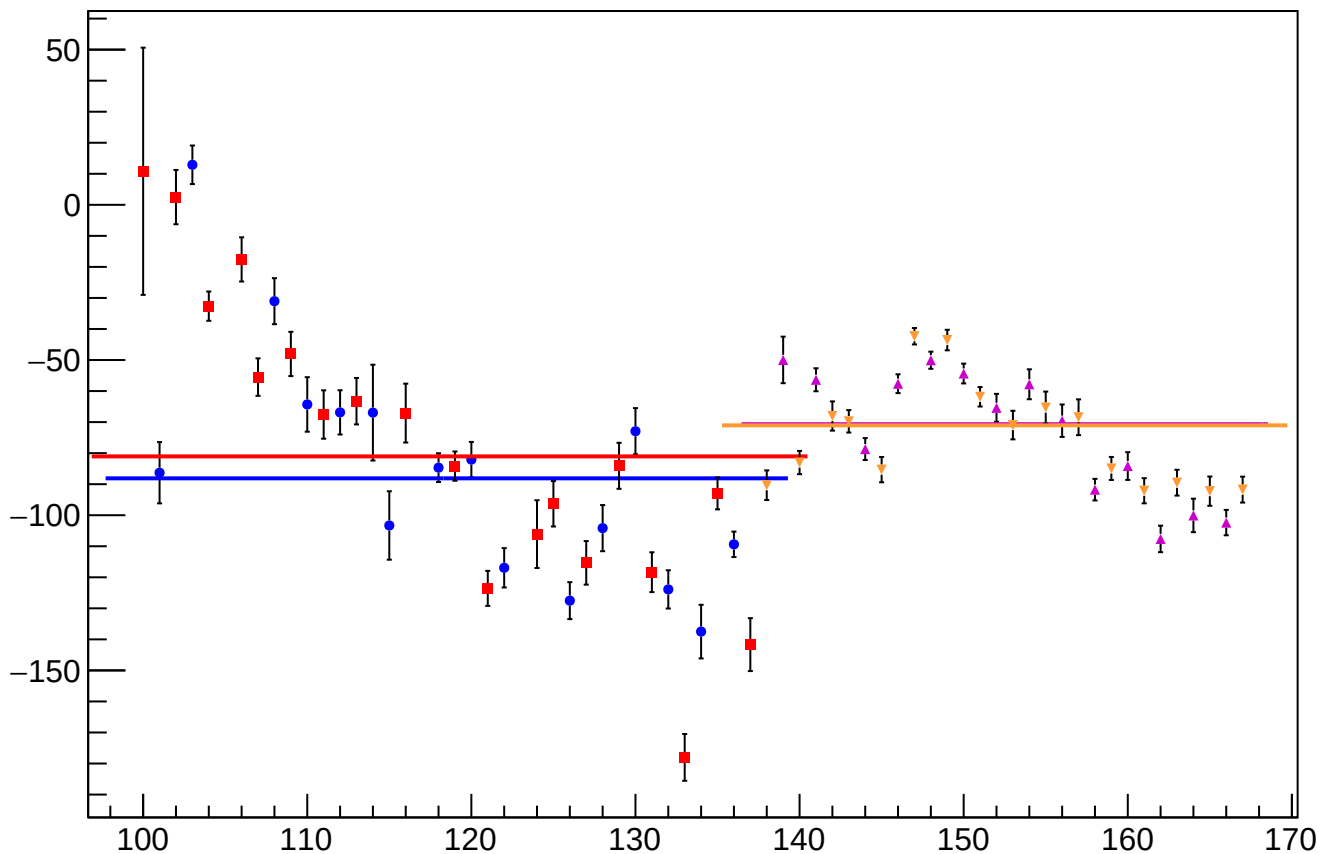
Left In: -279.557 ± 1.260 χ^2/NDF : 396.9/13

+ sign -286.808 ± 0.945 χ^2/NDF : 3373.5/31

All: -284.401 ± 0.670 χ^2/NDF : 7546.7/64

- sign -281.960 ± 0.951 χ^2/NDF : 4160.2/32

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119 ± 1.655 χ^2/NDF : 511.9/15

Left Out: -71.050 ± 0.980 χ^2/NDF : 341.1/15

Right Out: -81.046 ± 1.569 χ^2/NDF : 677.5/18

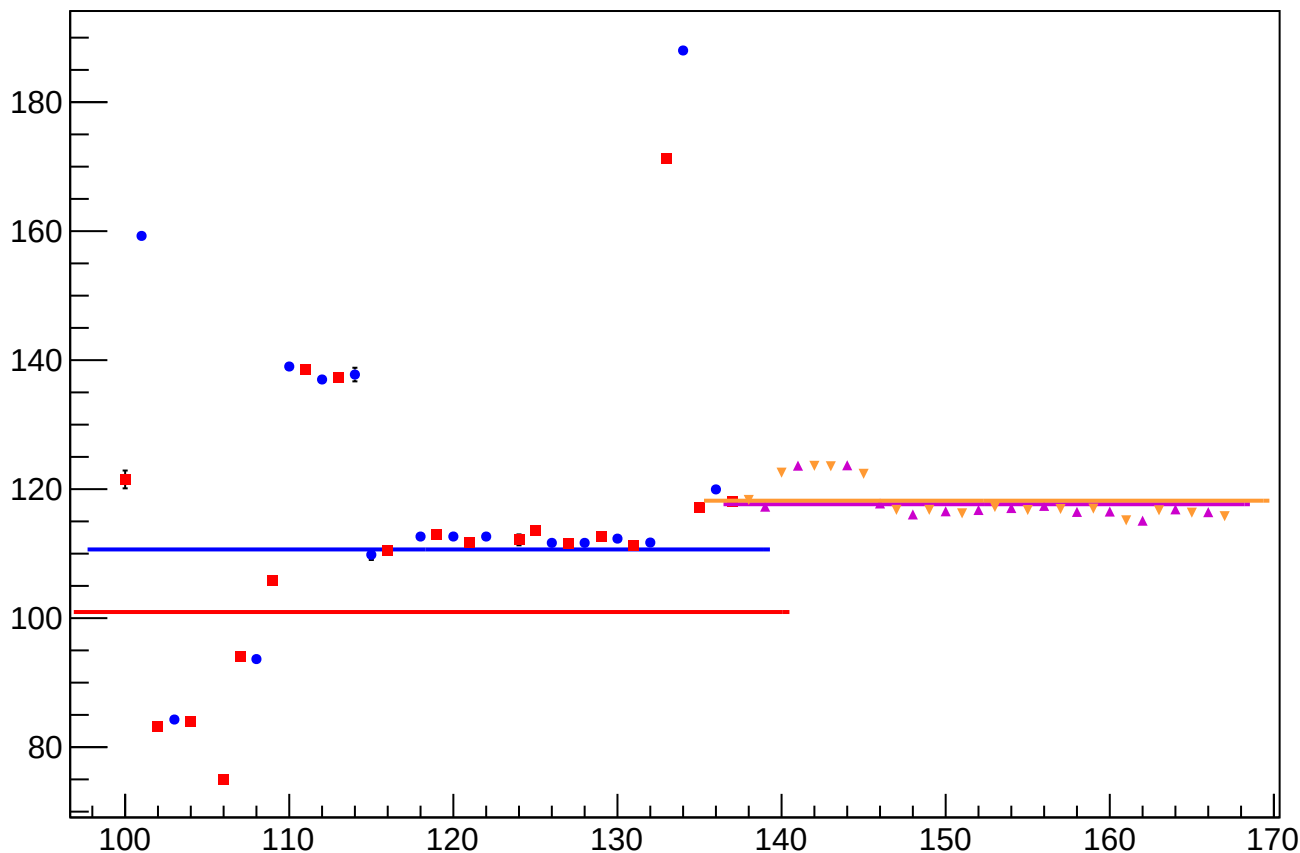
Left In: -70.672 ± 1.042 χ^2/NDF : 347.7/13

+ sign -75.482 ± 0.843 χ^2/NDF : 931.8/31

All: -74.689 ± 0.605 χ^2/NDF : 1989.2/64

- sign -73.849 ± 0.868 χ^2/NDF : 1055.6/32

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651 $\pm$ 0.086 χ^2 /NDF: 83521.8/15

Left Out: 118.210 $\pm$ 0.047 χ^2 /NDF: 3533.1/15

Right Out: 100.949 $\pm$ 0.081 χ^2 /NDF: 62002.4/18

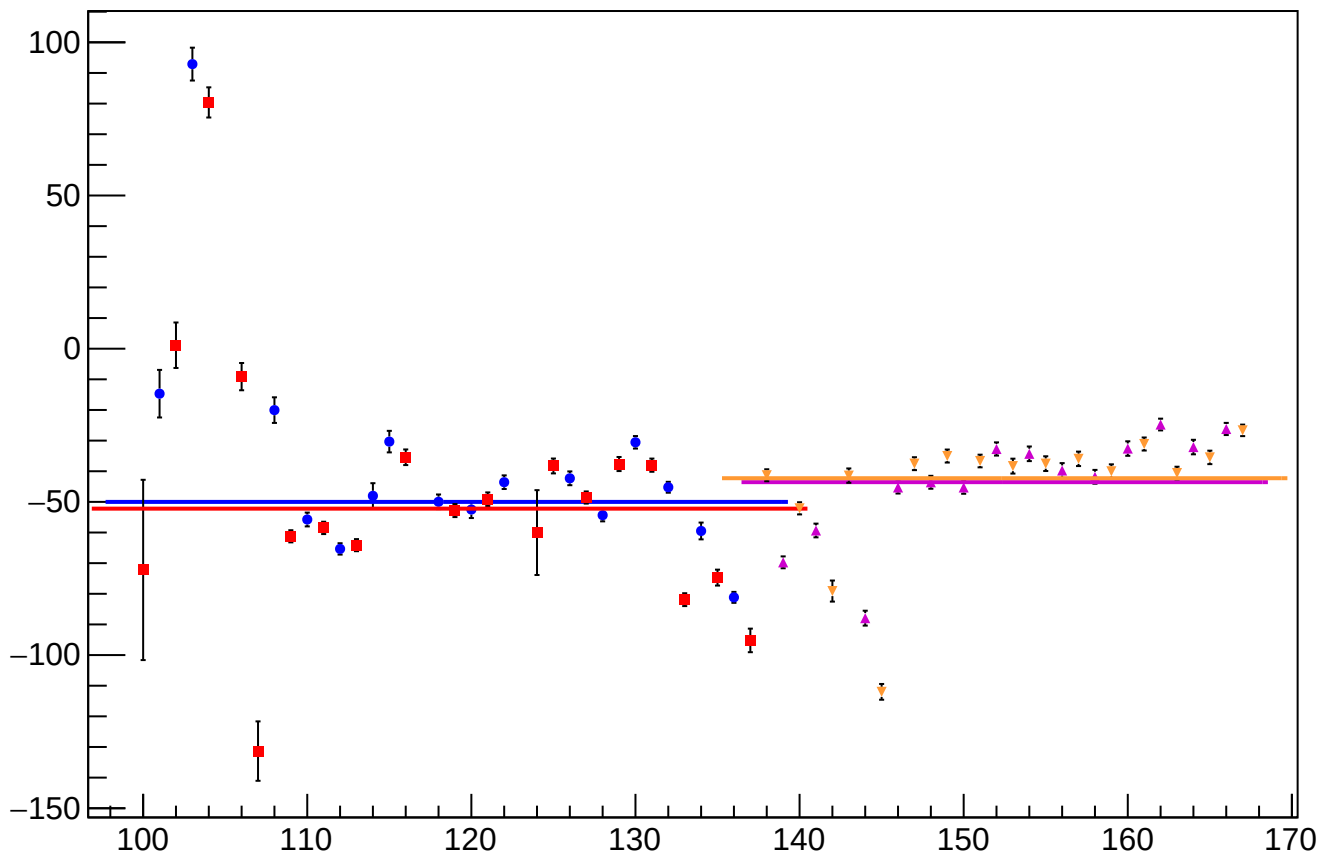
Left In: 117.661 $\pm$ 0.048 χ^2 /NDF: 2656.8/13

+ sign 116.488 $\pm$ 0.041 χ^2 /NDF: 93046.2/31

All: 114.898 $\pm$ 0.029 χ^2 /NDF: 192148.2/64

- sign 113.260 $\pm$ 0.042 χ^2 /NDF: 96041.3/32

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008 ± 0.610 χ^2/NDF : 1327.4/15

Left Out: -42.274 ± 0.553 χ^2/NDF : 1019.8/15

Right Out: -52.207 ± 0.605 χ^2/NDF : 1570.3/18

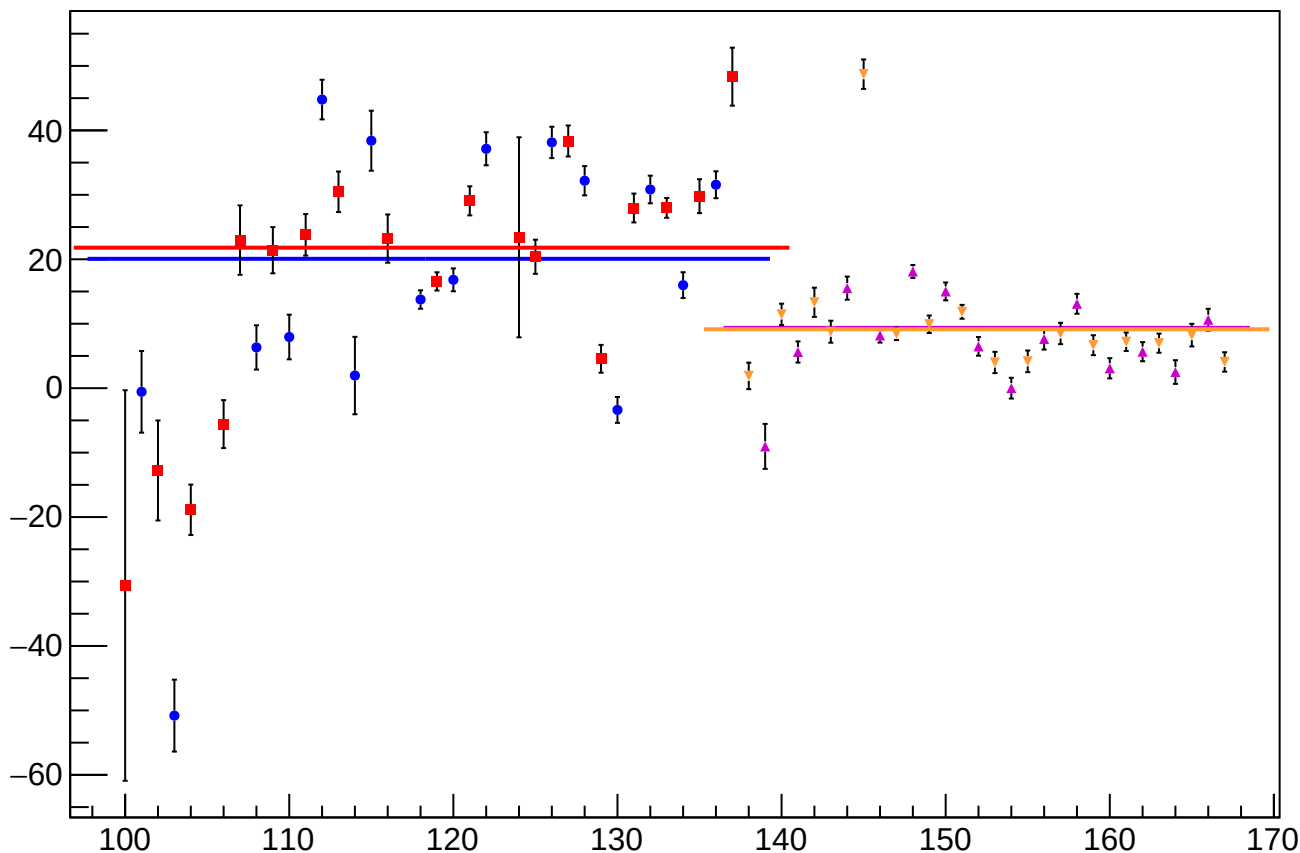
Left In: -43.560 ± 0.578 χ^2/NDF : 826.6/13

+ sign -45.762 ± 0.410 χ^2/NDF : 2435.5/31

All: -46.706 ± 0.293 χ^2/NDF : 4950.0/64

- sign -47.689 ± 0.418 χ^2/NDF : 2503.6/32

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072 ± 0.612 χ^2/NDF : 636.2/15

Left Out: 9.140 ± 0.378 χ^2/NDF : 361.8/15

Right Out: 21.800 ± 0.622 χ^2/NDF : 396.3/18

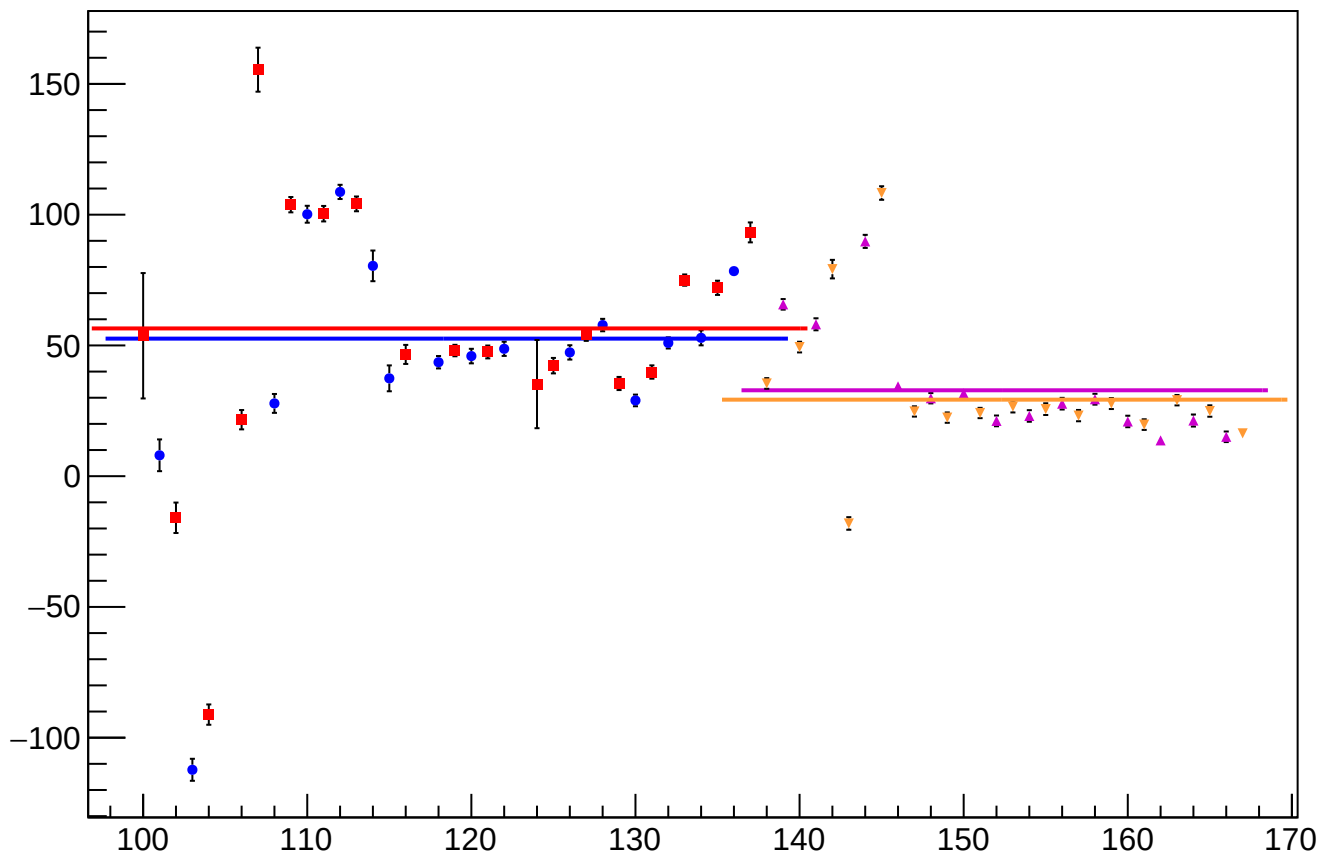
Left In: 9.357 ± 0.400 χ^2/NDF : 220.8/13

+ sign 12.156 ± 0.321 χ^2/NDF : 1229.1/31

All: 12.557 ± 0.232 χ^2/NDF : 2132.6/64

- sign 12.997 ± 0.336 χ^2/NDF : 900.3/32

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605 $\pm$ 0.696 χ^2 /NDF: 2659.4/15

Left Out: 29.262 $\pm$ 0.538 χ^2 /NDF: 1723.5/15

Right Out: 56.499 $\pm$ 0.705 χ^2 /NDF: 2965.5/18

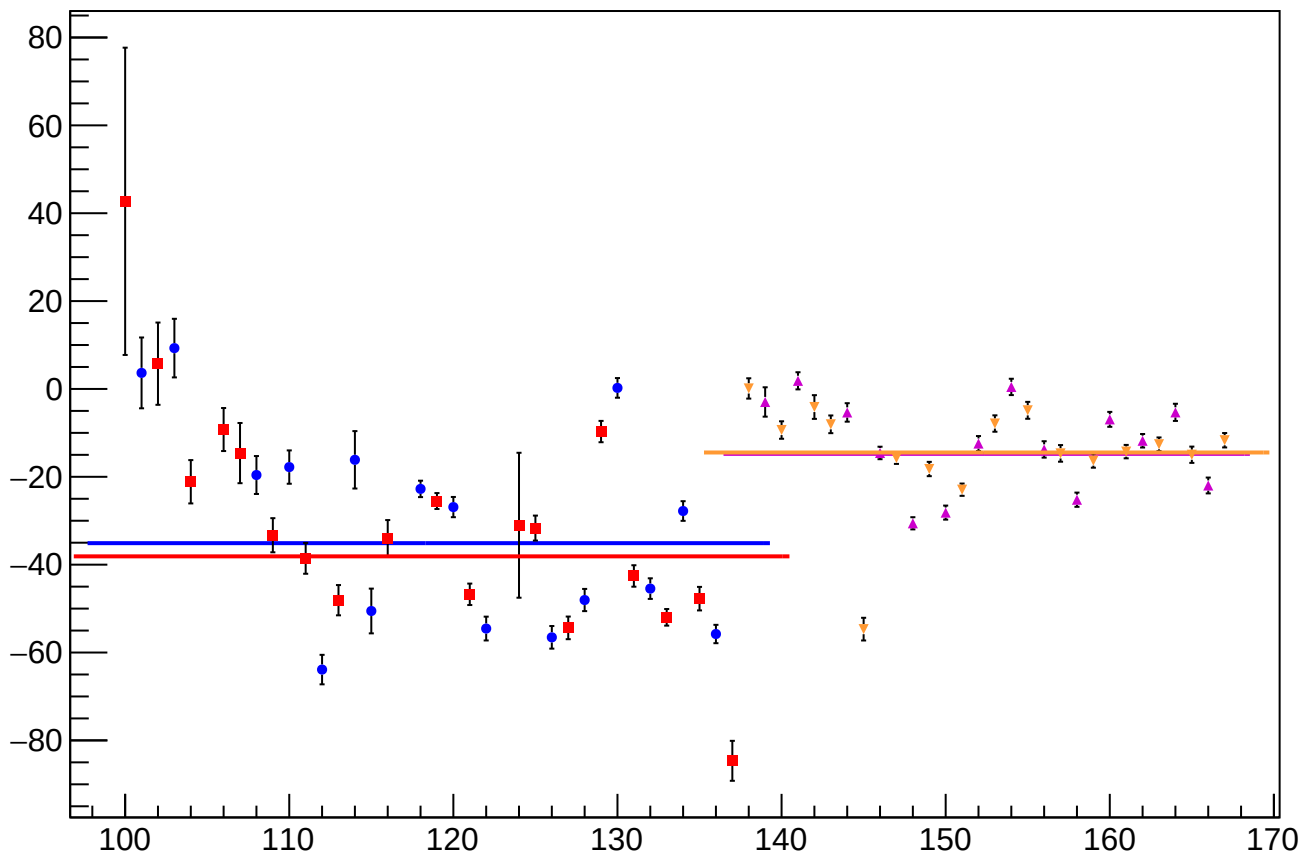
Left In: 32.848 $\pm$ 0.559 χ^2 /NDF: 1204.5/13

+ sign 37.982 $\pm$ 0.426 χ^2 /NDF: 5086.9/31

All: 39.918 $\pm$ 0.305 χ^2 /NDF: 9990.1/64

- sign 41.968 $\pm$ 0.438 χ^2 /NDF: 4860.6/32

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104 ± 0.700 χ^2/NDF : 773.2/15

Left Out: -14.464 ± 0.441 χ^2/NDF : 399.4/15

Right Out: -38.109 ± 0.714 χ^2/NDF : 514.6/18

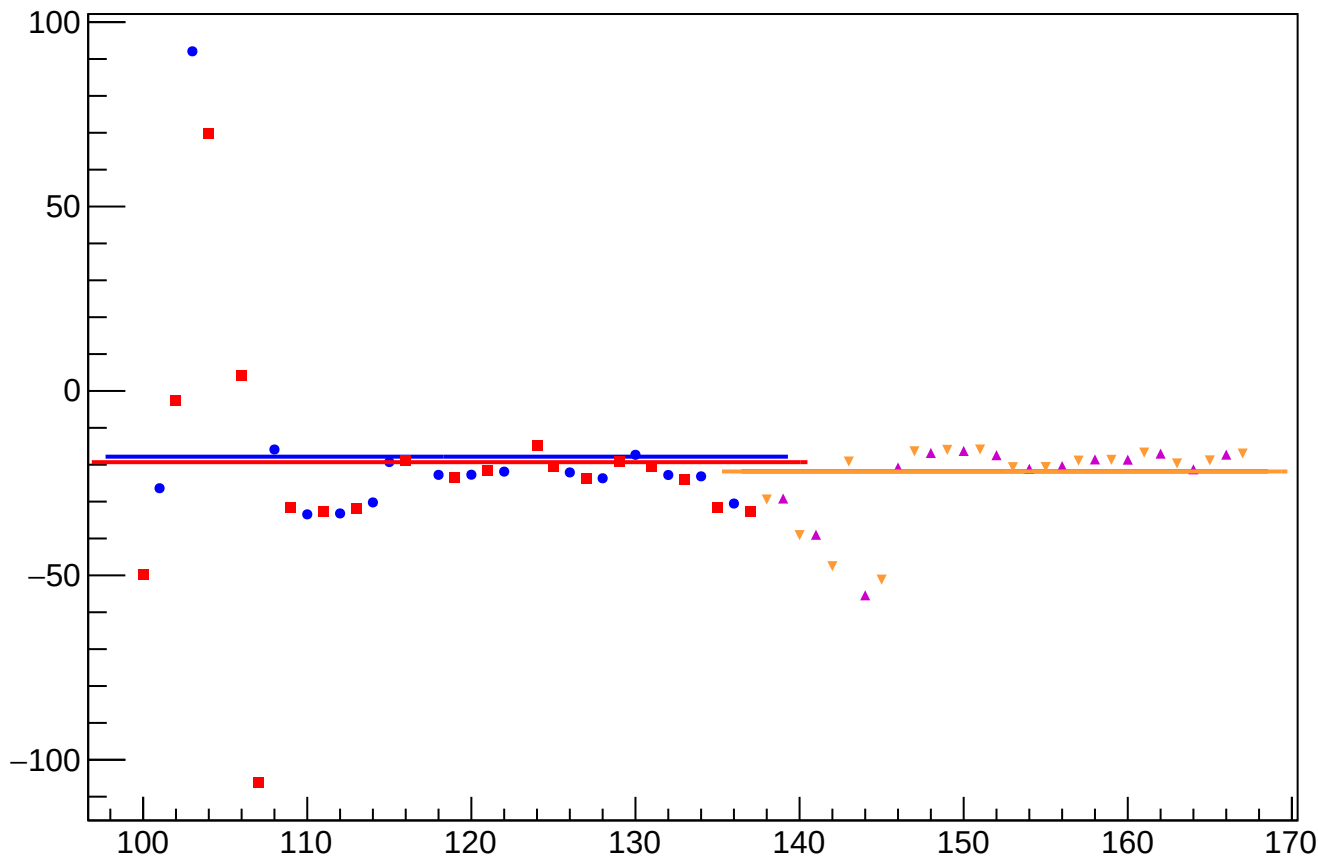
Left In: -14.783 ± 0.465 χ^2/NDF : 480.4/13

+ sign -20.321 ± 0.373 χ^2/NDF : 1795.1/31

All: -20.997 ± 0.269 χ^2/NDF : 3546.5/64

- sign -21.734 ± 0.390 χ^2/NDF : 1744.6/32

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817 ± 0.043 $\chi^2/\text{NDF}: 426105.1/15$

Left Out: -21.831 ± 0.020 $\chi^2/\text{NDF}: 190449.9/15$

Right Out: -19.311 ± 0.046 $\chi^2/\text{NDF}: 344626.7/18$

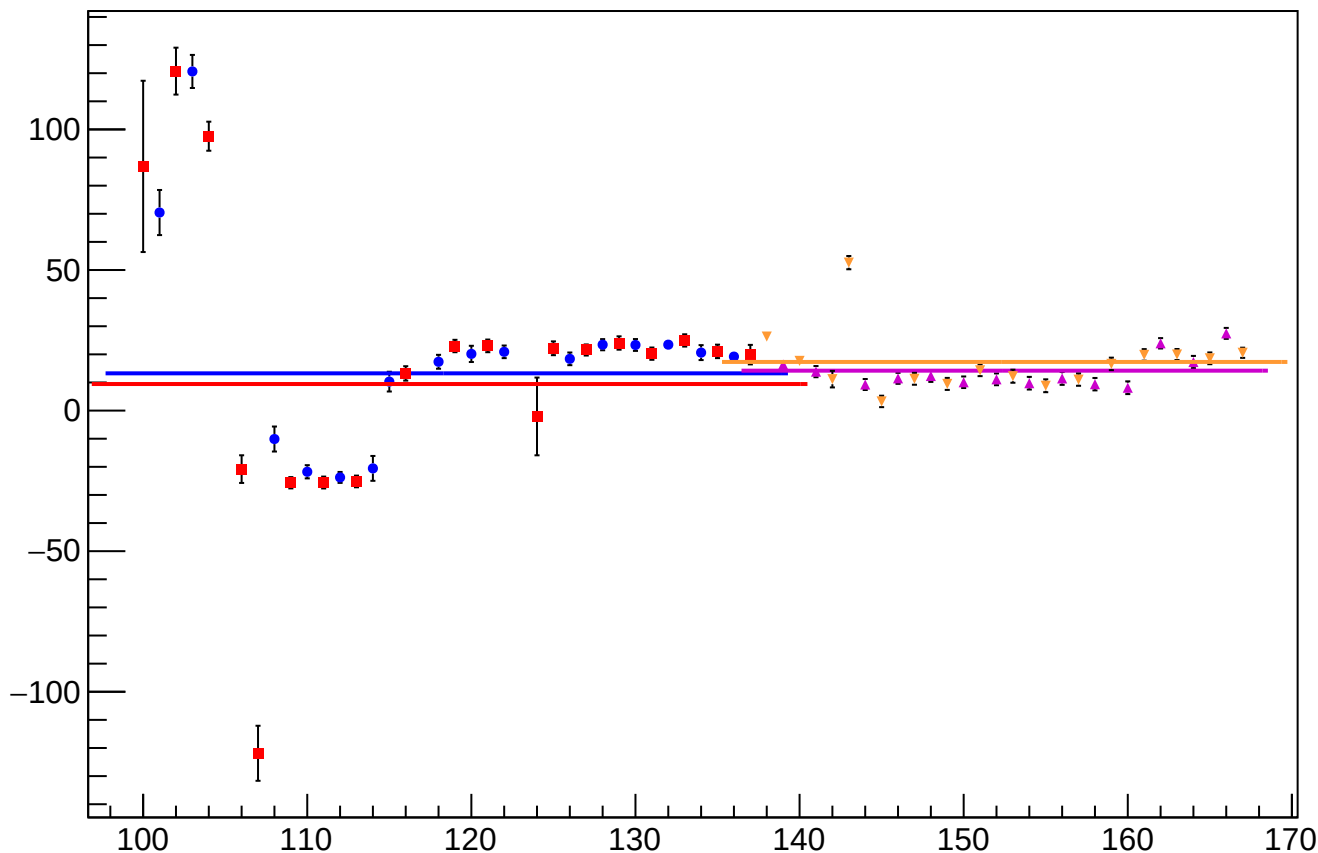
Left In: -21.811 ± 0.021 $\chi^2/\text{NDF}: 158463.3/13$

+ sign -21.109 ± 0.018 $\chi^2/\text{NDF}: 623624.8/31$

All: -21.240 ± 0.013 $\chi^2/\text{NDF}: 1129258.8/64$

- sign -21.381 ± 0.019 $\chi^2/\text{NDF}: 505527.9/32$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF : 1182.5/15

Left Out: 17.305+/-0.522 χ^2/NDF : 358.7/15

Right Out: 9.450+/-0.615 χ^2/NDF : 1836.6/18

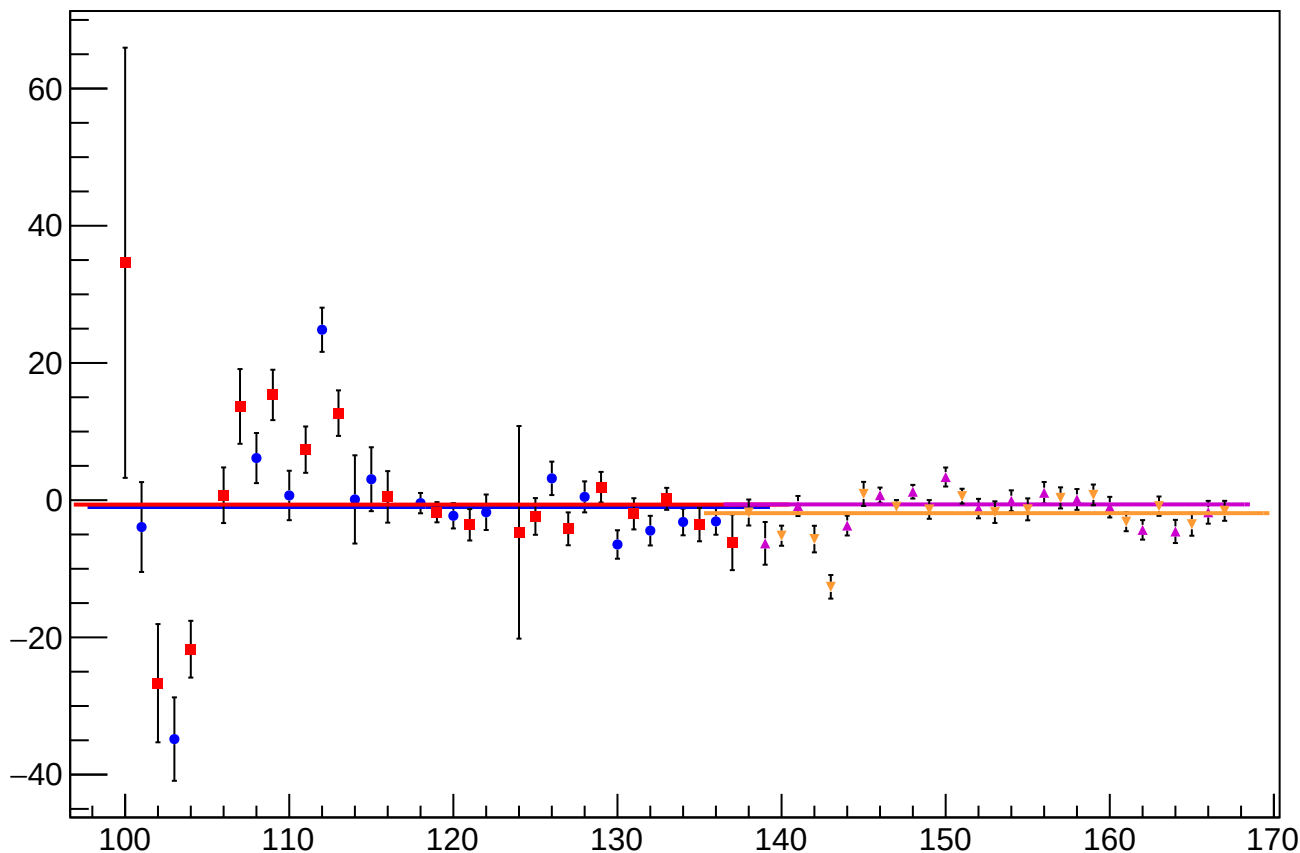
Left In: 14.200+/-0.546 χ^2/NDF : 110.4/13

+ sign 15.606+/-0.398 χ^2/NDF : 1566.5/31

All: 13.901+/-0.285 χ^2/NDF : 3584.6/64

- sign 12.107+/-0.408 χ^2/NDF : 1980.4/32

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993 ± 0.619 χ^2/NDF : 116.3/15

Left Out: -1.893 ± 0.362 χ^2/NDF : 64.3/15

Right Out: -0.644 ± 0.636 χ^2/NDF : 94.2/18

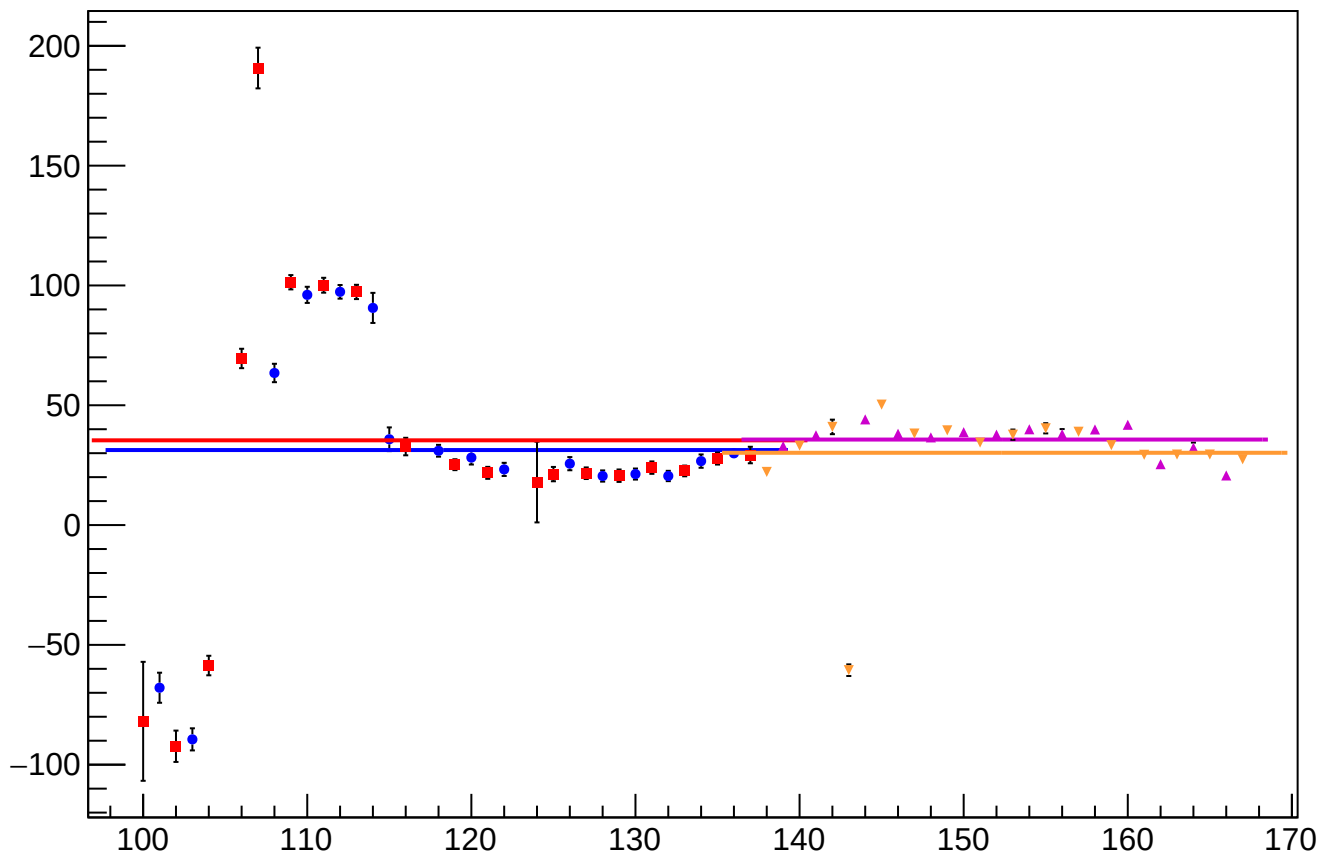
Left In: -0.616 ± 0.383 χ^2/NDF : 35.7/13

+ sign -1.664 ± 0.313 χ^2/NDF : 182.3/31

All: -1.169 ± 0.226 χ^2/NDF : 317.4/64

- sign -0.623 ± 0.328 χ^2/NDF : 129.9/32

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310 $\pm$ 0.700 χ^2 /NDF: 2085.9/15

Left Out: 30.168 $\pm$ 0.509 χ^2 /NDF:1628.1/15

Right Out: 35.366 $\pm$ 0.717 χ^2 /NDF: 2897.7/18

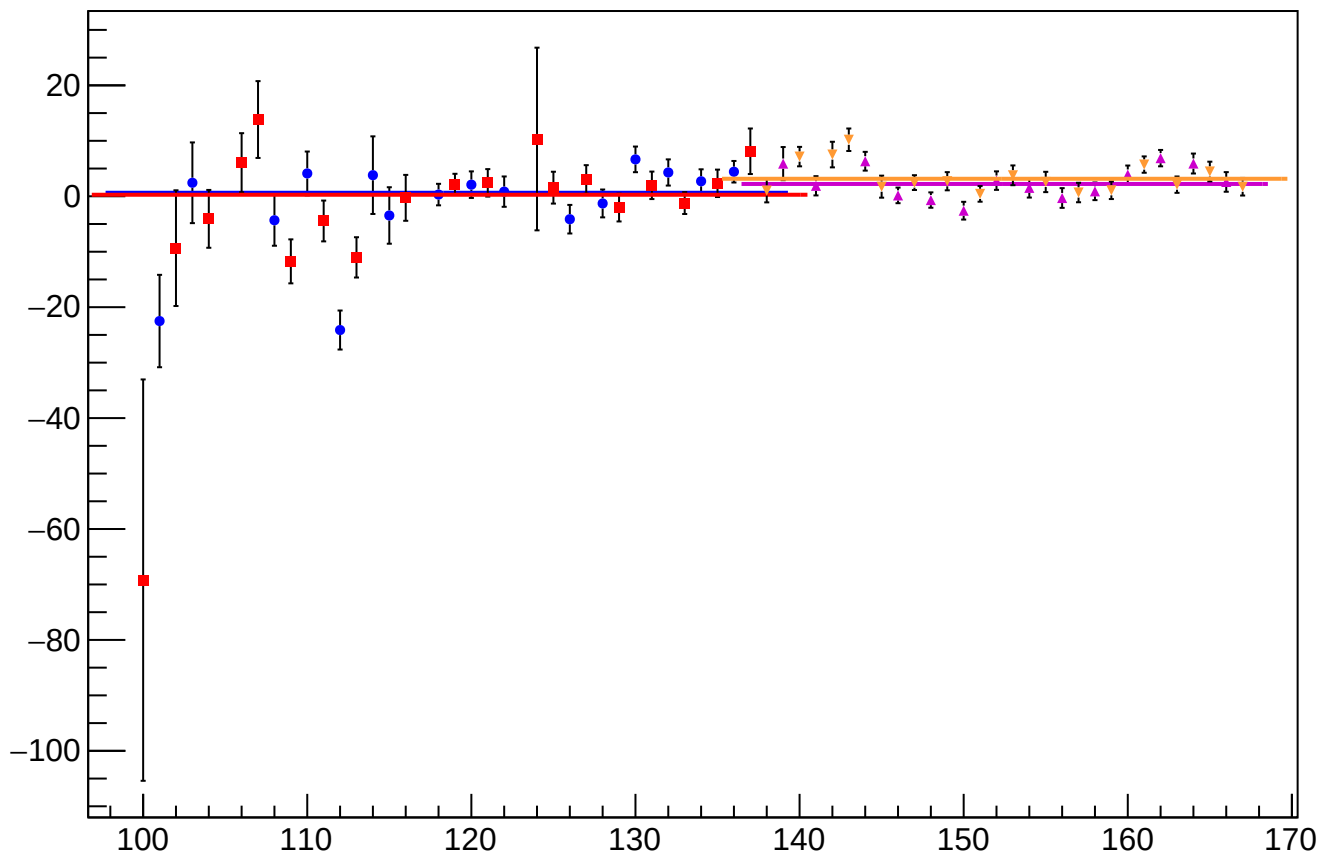
Left In: 35.688 $\pm$ 0.529 χ^2 /NDF:137.6/13

+ sign 30.563 $\pm$ 0.412 χ^2 /NDF: 3715.8/31

All: 32.986 $\pm$ 0.296 χ^2 /NDF: 6822.7/64

- sign 35.574 $\pm$ 0.426 χ^2 /NDF: 3035.4/32

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632 ± 0.705 χ^2/NDF : 78.4/15

Left Out: 3.156 ± 0.421 χ^2/NDF : 35.2/15

Right Out: 0.274 ± 0.726 χ^2/NDF : 40.5/18

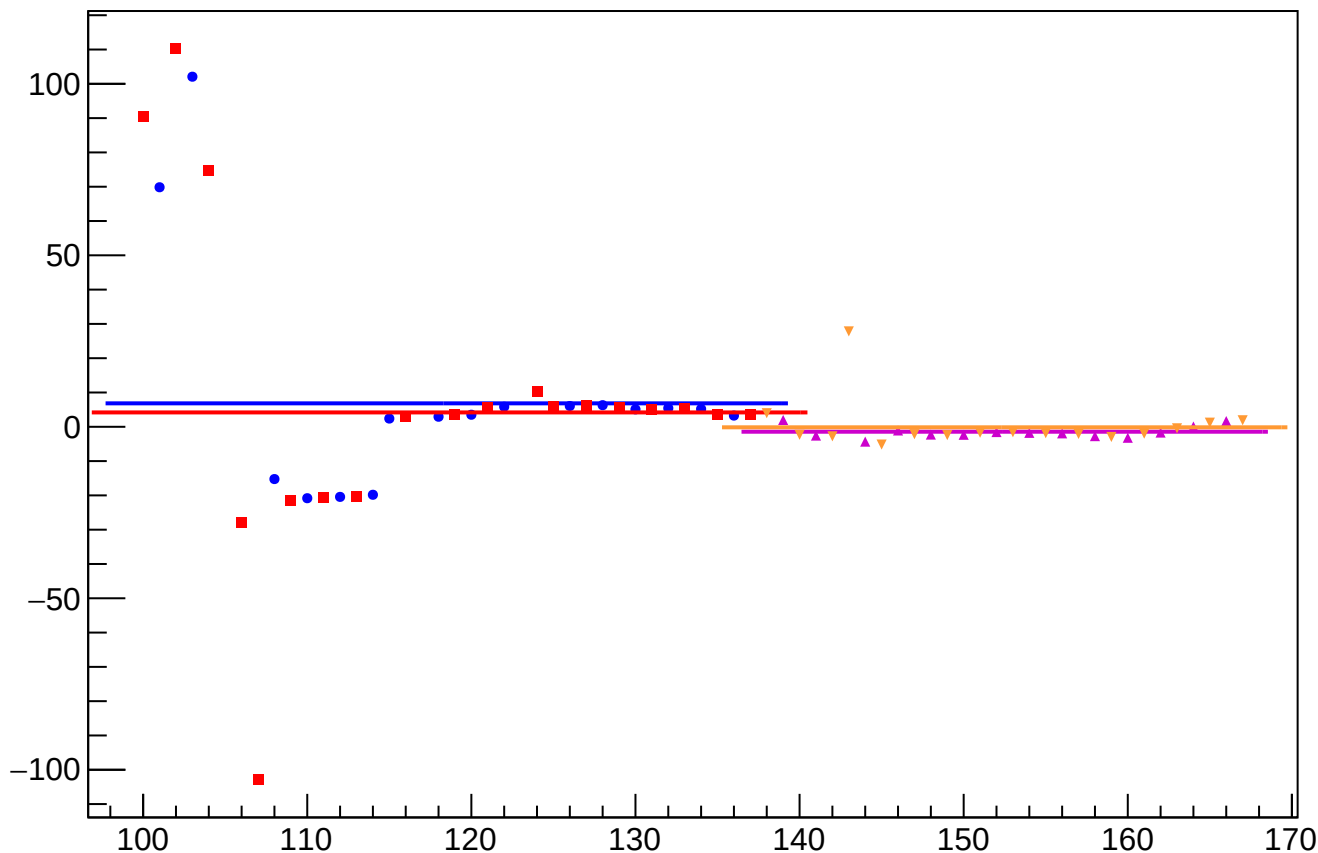
Left In: 2.219 ± 0.444 χ^2/NDF : 41.3/13

+ sign 2.492 ± 0.361 χ^2/NDF : 123.1/31

All: 2.109 ± 0.261 χ^2/NDF : 212.5/64

- sign 1.690 ± 0.379 χ^2/NDF : 87.0/32

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838 $\pm$ 0.043 χ^2 /NDF: 320954.7/15

Left Out: -0.152 $\pm$ 0.019 χ^2 /NDF: 92191.2/15

Right Out: 4.190 $\pm$ 0.046 χ^2 /NDF: 434546.8/18

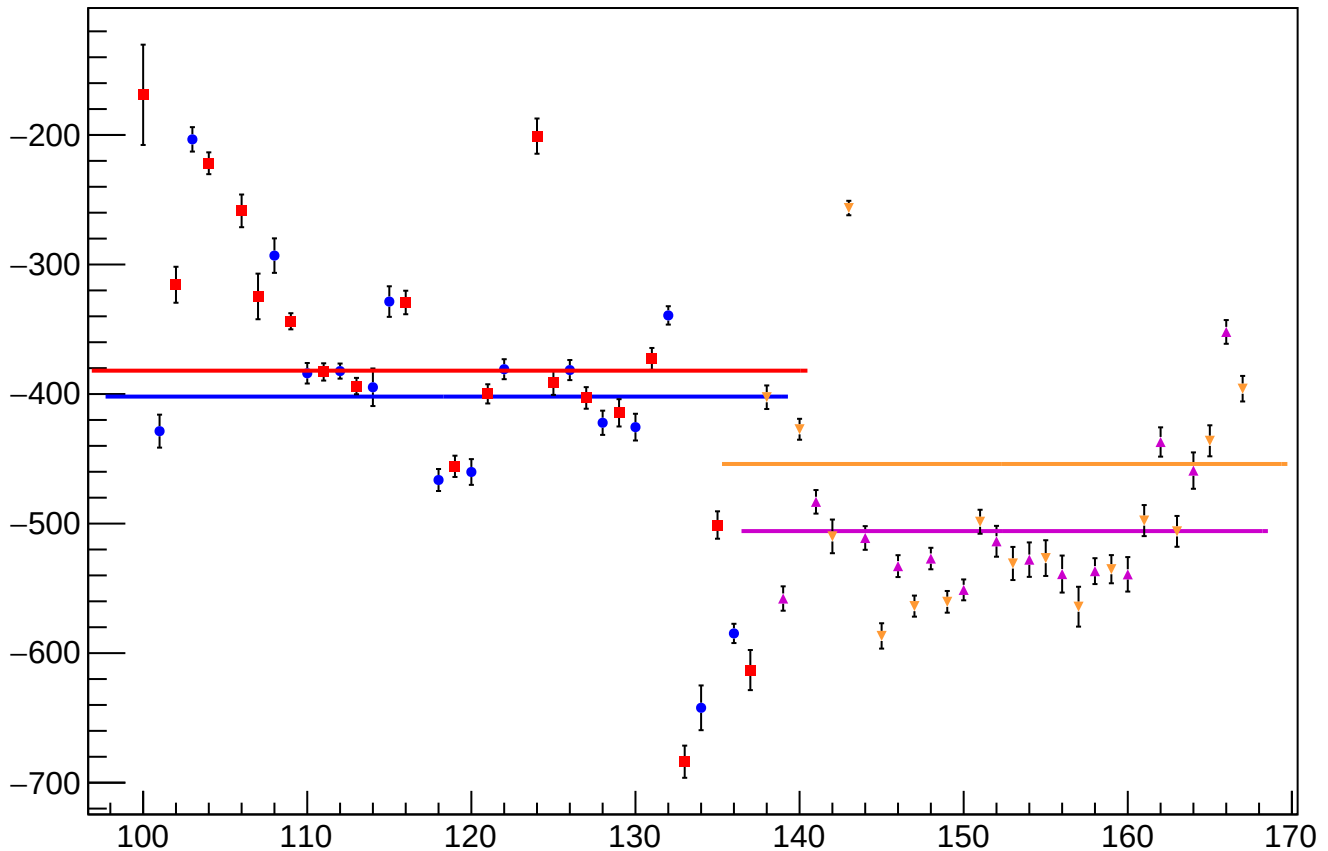
Left In: -1.435 $\pm$ 0.020 χ^2 /NDF: 7189.1/13

+ sign 1.015 $\pm$ 0.018 χ^2 /NDF: 435316.2/31

All: 0.263 $\pm$ 0.013 χ^2 /NDF: 893366.8/64

- sign -0.557 $\pm$ 0.018 χ^2 /NDF: 454194.4/32

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961 ± 2.236 χ^2/NDF : 1563.3/15

Left Out: -453.979 ± 2.410 χ^2/NDF : 2103.1/15

Right Out: -381.949 ± 2.124 χ^2/NDF : 1817.4/18

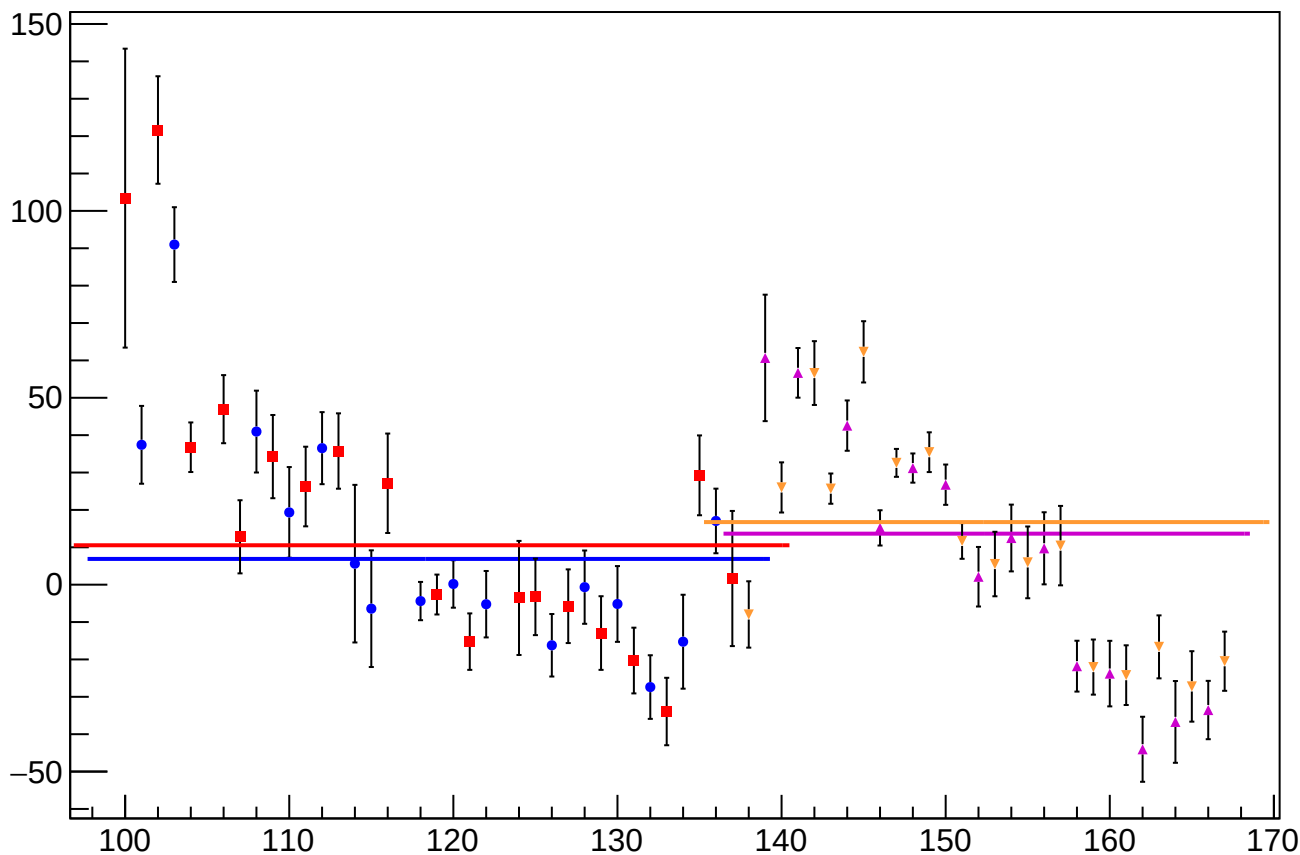
Left In: -505.788 ± 2.698 χ^2/NDF : 439.7/13

+ sign -426.024 ± 1.639 χ^2/NDF : 3916.8/31

All: -427.656 ± 1.169 χ^2/NDF : 7476.6/64

- sign -429.348 ± 1.669 χ^2/NDF : 3557.8/32

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889 $\pm$ 2.264 χ^2/NDF : 138.4/15

Left Out: 16.746 $\pm$ 1.614 χ^2/NDF :215.6/15

Right Out: 10.544 $\pm$ 2.197 χ^2/NDF : 180.0/18

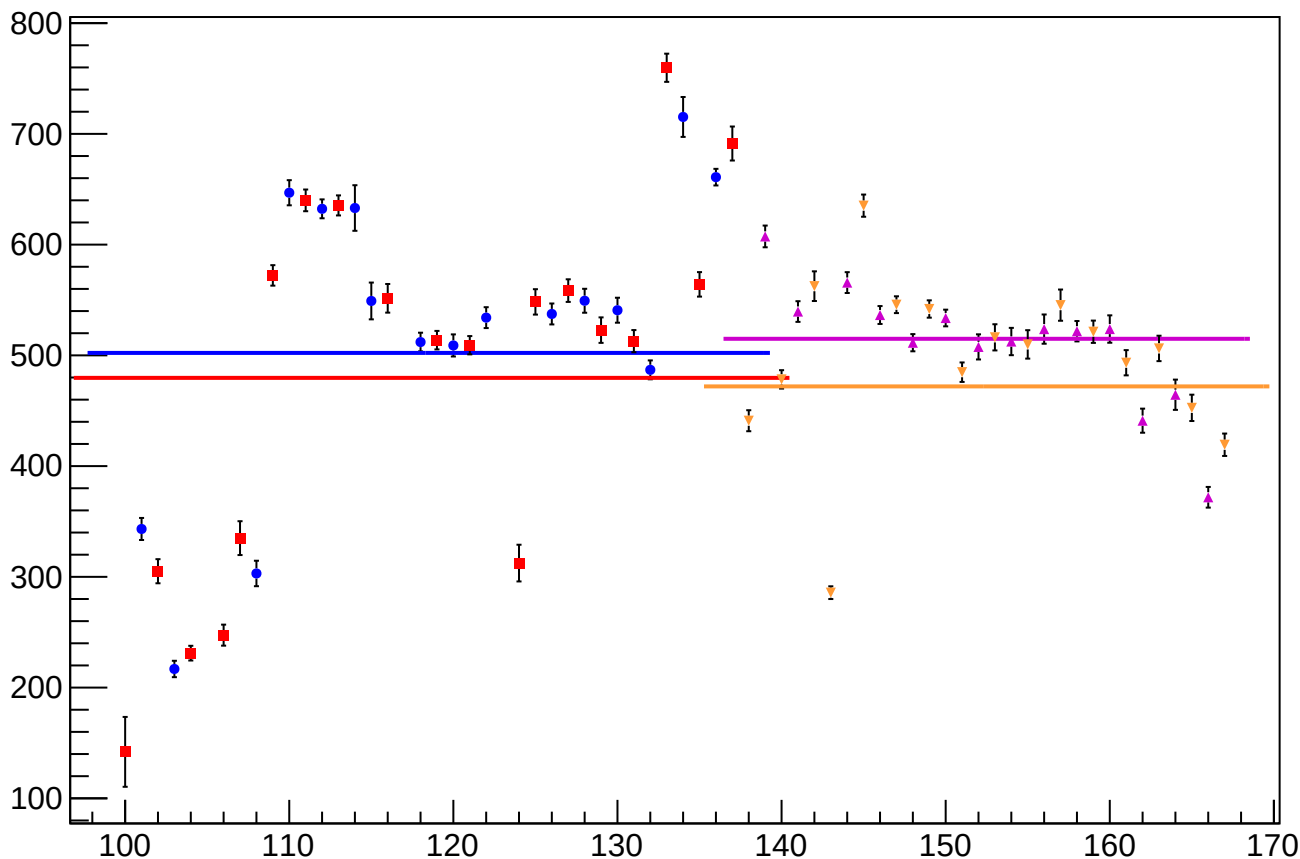
Left In: 13.648 $\pm$ 1.811 χ^2/NDF :243.7/13

+ sign 13.426 $\pm$ 1.314 χ^2/NDF : 366.6/31

All: 12.940 $\pm$ 0.957 χ^2/NDF : 791.8/64

- sign 12.391 $\pm$ 1.398 χ^2/NDF : 424.9/32

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213 $\pm$ 2.493 χ^2 /NDF: 3135.2/15

Left Out: 471.966 $\pm$ 2.368 χ^2 /NDF:1666.3/15

Right Out: 479.679 $\pm$ 2.399 χ^2 /NDF: 4138.5/18

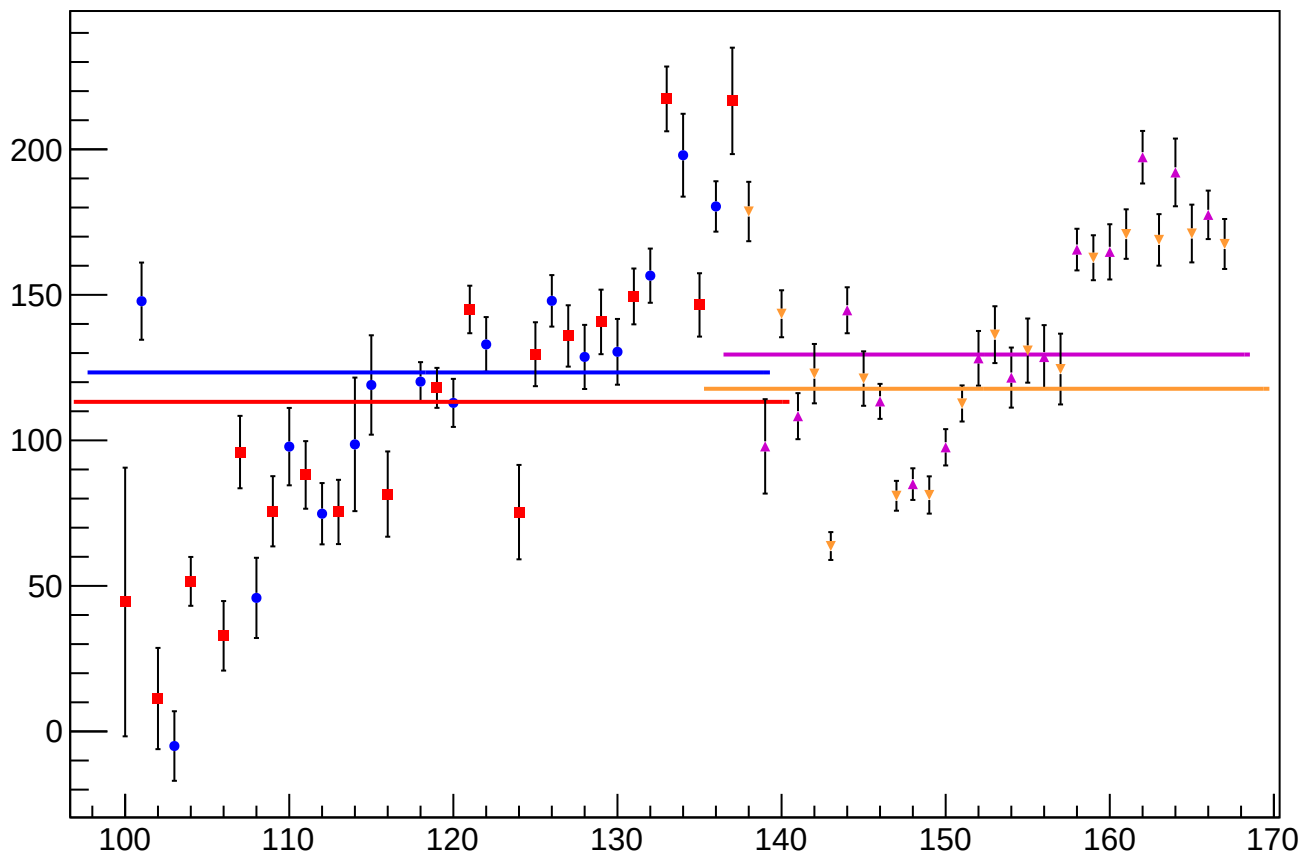
Left In: 514.959 $\pm$ 2.613 χ^2 /NDF:435.0/13

+ sign 486.313 $\pm$ 1.717 χ^2 /NDF: 4878.8/31

All: 490.927 $\pm$ 1.231 χ^2 /NDF: 9566.1/64

- sign 495.816 $\pm$ 1.767 χ^2 /NDF: 4672.4/32

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344 ± 2.627 $\chi^2/\text{NDF}: 271.4/15$

Left Out: 117.731 ± 1.922 $\chi^2/\text{NDF}: 432.4/15$

Right Out: 113.235 ± 2.545 $\chi^2/\text{NDF}: 345.8/18$

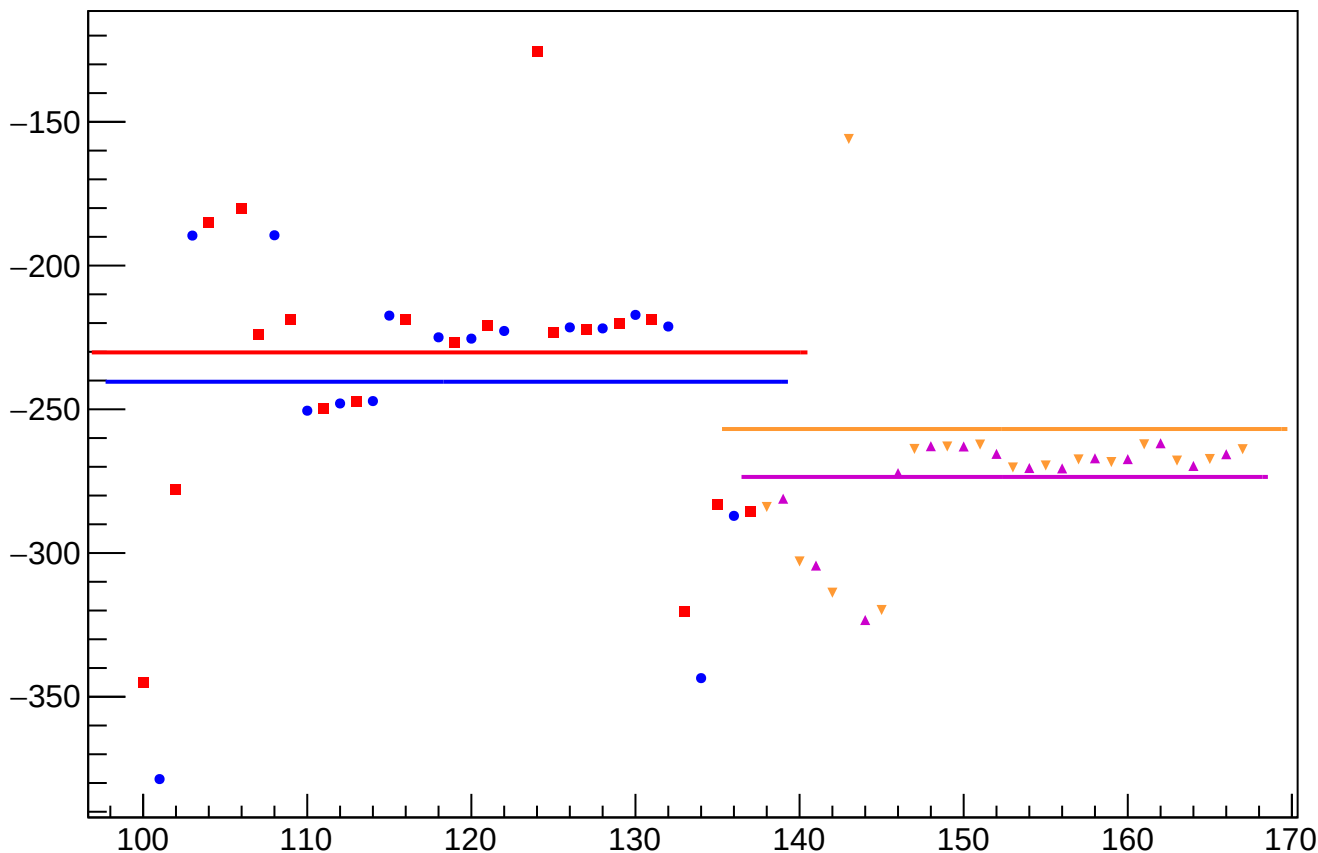
Left In: 129.493 ± 2.148 $\chi^2/\text{NDF}: 273.4/13$

+ sign 119.688 ± 1.551 $\chi^2/\text{NDF}: 706.8/31$

All: 121.124 ± 1.127 $\chi^2/\text{NDF}: 1351.6/64$

- sign 122.731 ± 1.641 $\chi^2/\text{NDF}: 643.0/32$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411 ± 0.151 χ^2/NDF : 134152.1/15

Left Out: -256.857 ± 0.093 χ^2/NDF : 240473.5/15

Right Out: -230.207 ± 0.146 χ^2/NDF : 83431.4/18

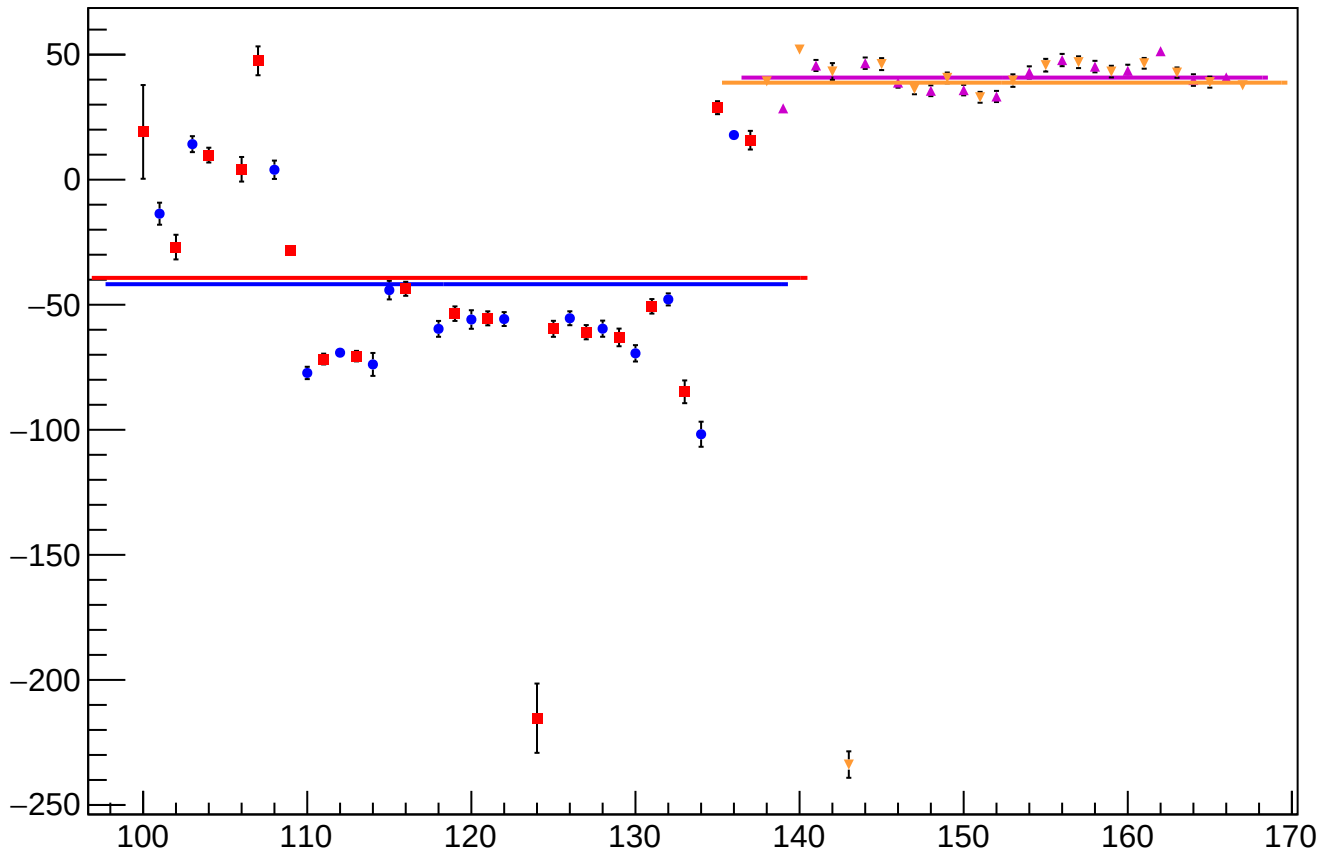
Left In: -273.524 ± 0.101 χ^2/NDF : 25732.9/13

+ sign -252.334 ± 0.079 χ^2/NDF : 383269.0/31

All: -255.808 ± 0.057 χ^2/NDF : 555908.0/64

- sign -259.639 ± 0.083 χ^2/NDF : 168570.6/32

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788 ± 0.723 χ^2/NDF : 2405.5/15

Left Out: 38.788 ± 0.569 χ^2/NDF : 2763.1/15

Right Out: -39.263 ± 0.680 χ^2/NDF : 2478.3/18

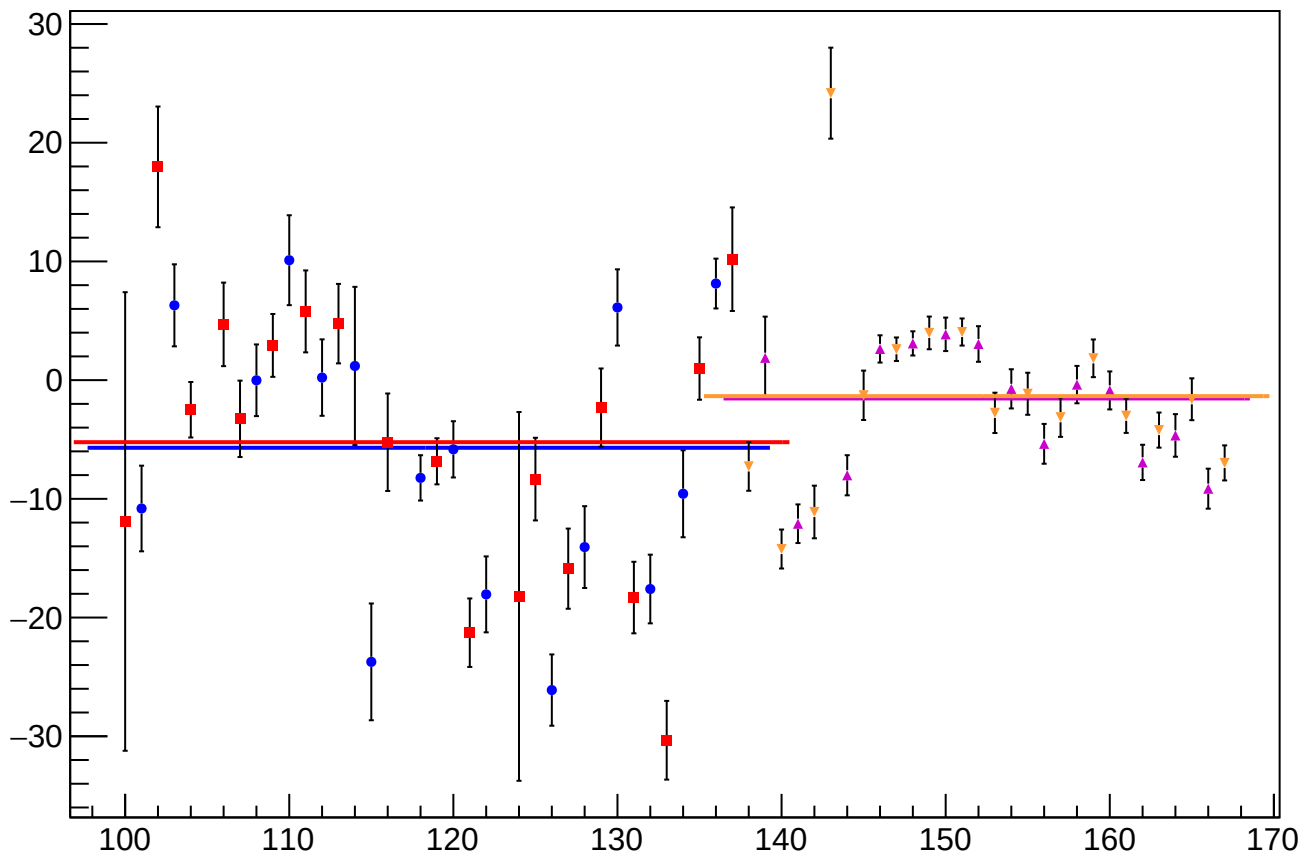
Left In: 40.813 ± 0.582 χ^2/NDF : 120.0/13

+ sign 8.001 ± 0.447 χ^2/NDF : 12840.5/31

All: 7.460 ± 0.314 χ^2/NDF : 23450.0/64

- sign 6.932 ± 0.442 χ^2/NDF : 10606.6/32

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697 ± 0.753 χ^2/NDF : 196.7/15

Left Out: -1.349 ± 0.390 χ^2/NDF : 212.2/15

Right Out: -5.227 ± 0.740 χ^2/NDF : 197.3/18

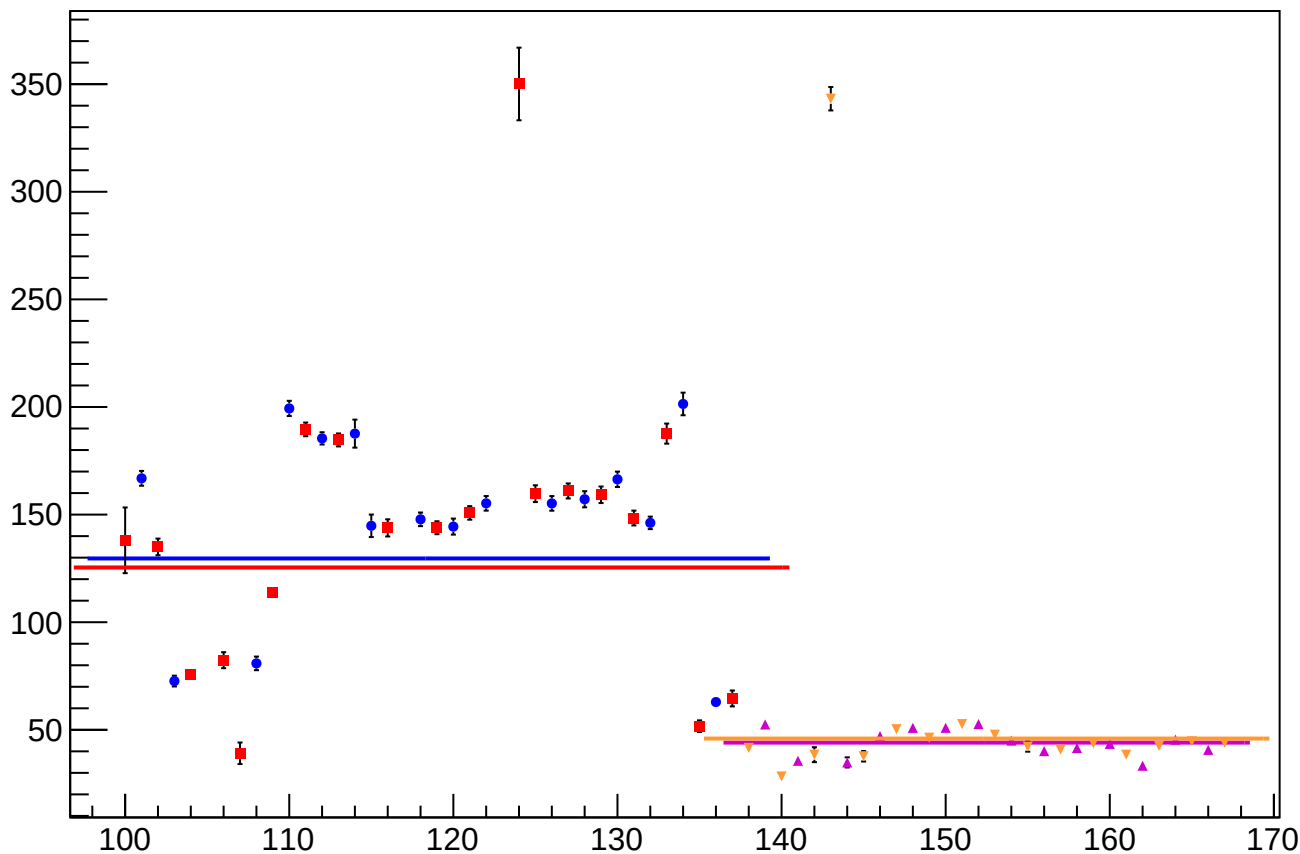
Left In: -1.543 ± 0.405 χ^2/NDF : 158.2/13

+ sign -2.269 ± 0.346 χ^2/NDF : 435.3/31

All: -2.329 ± 0.248 χ^2/NDF : 810.0/64

- sign -2.391 ± 0.355 χ^2/NDF : 374.7/32

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621 ± 0.801 χ^2/NDF : 3624.4/15

Left Out: 45.947 ± 0.553 χ^2/NDF : 3126.7/15

Right Out: 125.435 ± 0.790 χ^2/NDF : 3503.2/18

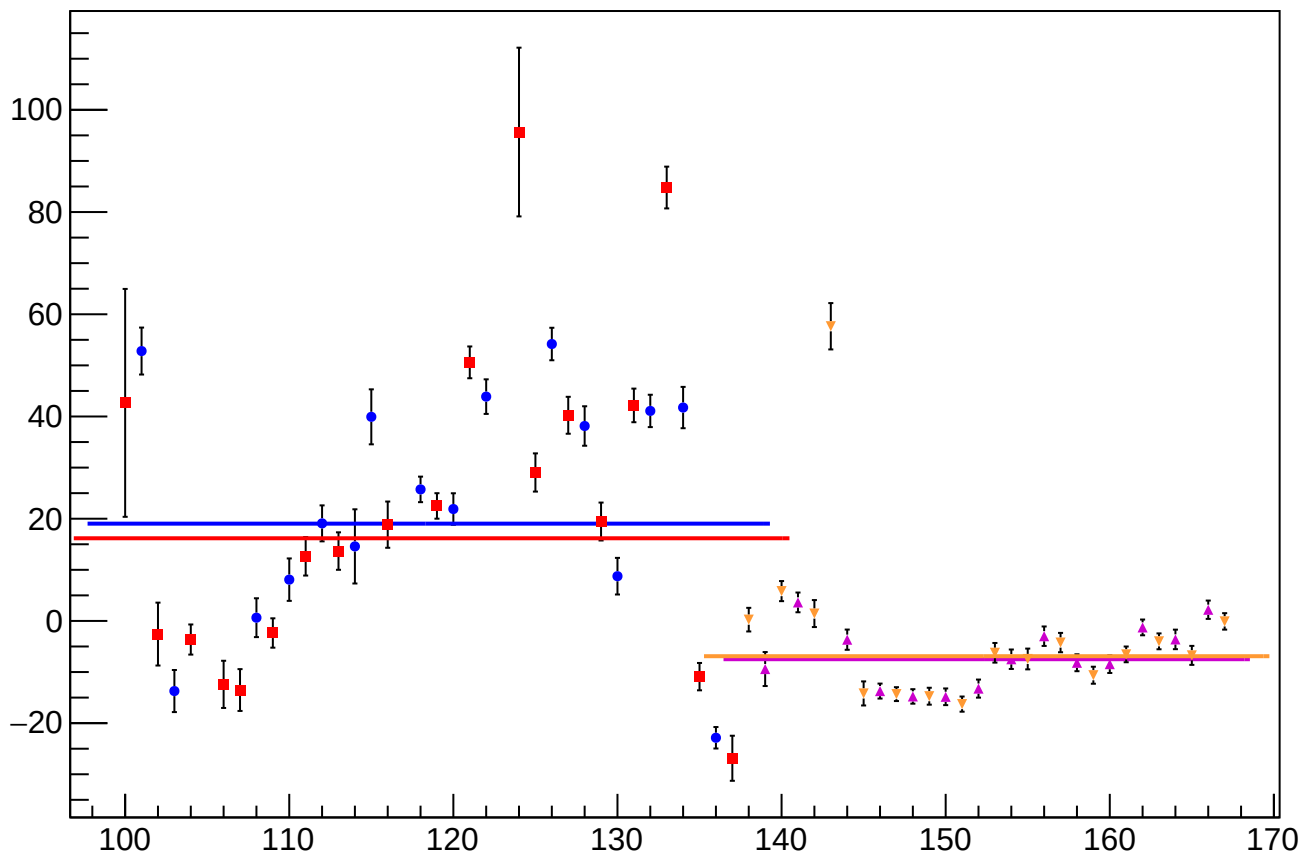
Left In: 44.061 ± 0.563 χ^2/NDF : 130.8/13

+ sign 72.966 ± 0.455 χ^2/NDF : 14146.7/31

All: 72.233 ± 0.323 χ^2/NDF : 24823.3/64

- sign 71.488 ± 0.459 χ^2/NDF : 10671.4/32

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035 ± 0.860 $\chi^2/\text{NDF}: 858.1/15$

Left Out: -6.902 ± 0.454 $\chi^2/\text{NDF}: 394.7/15$

Right Out: 16.173 ± 0.846 $\chi^2/\text{NDF}: 941.3/18$

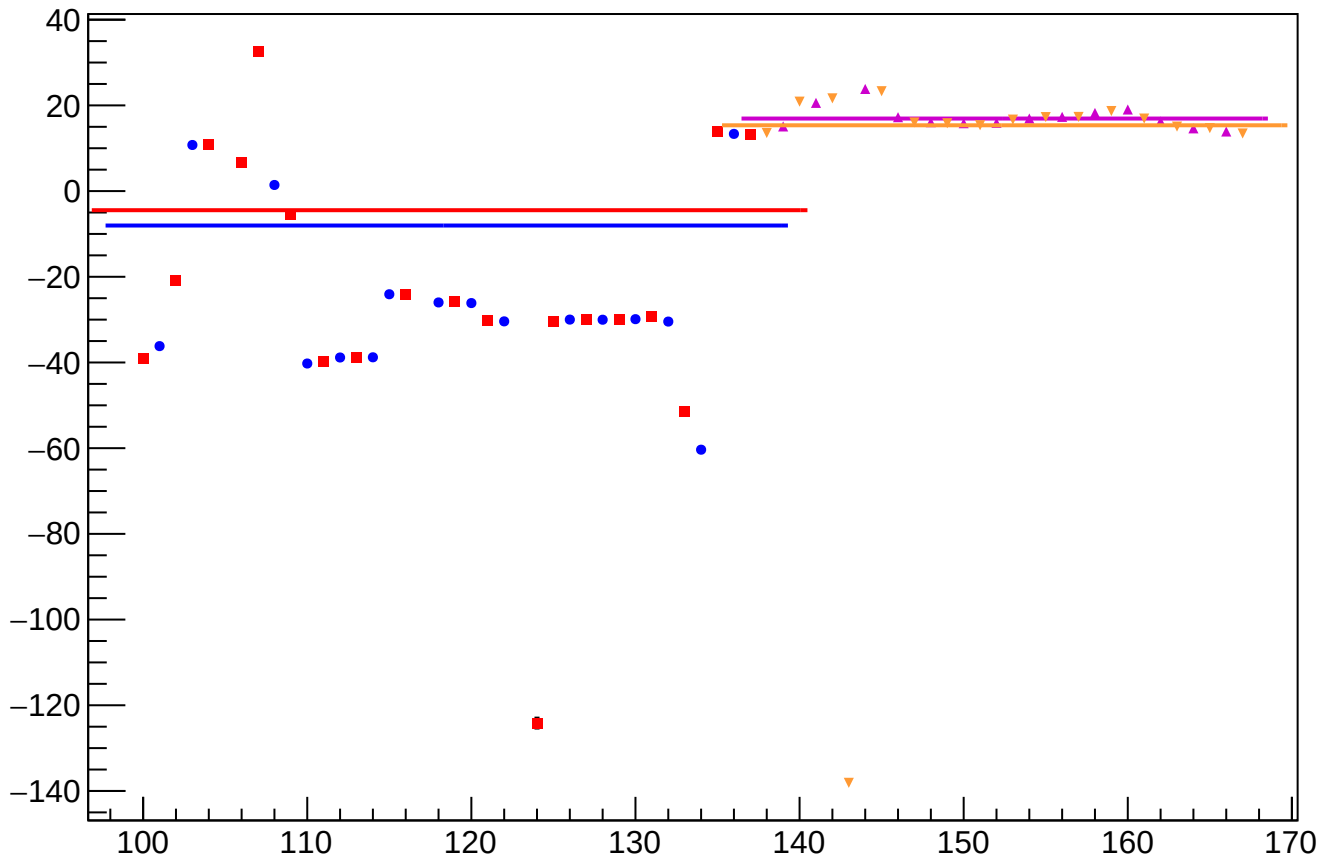
Left In: -7.487 ± 0.470 $\chi^2/\text{NDF}: 168.2/13$

+ sign -1.245 ± 0.402 $\chi^2/\text{NDF}: 1964.1/31$

All: -1.570 ± 0.287 $\chi^2/\text{NDF}: 3672.8/64$

- sign -1.910 ± 0.411 $\chi^2/\text{NDF}: 1707.4/32$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038 ± 0.046 χ^2/NDF : 267883.6/15

Left Out: 15.355 ± 0.021 χ^2/NDF : 477145.1/15

Right Out: -4.461 ± 0.047 χ^2/NDF : 228422.2/18

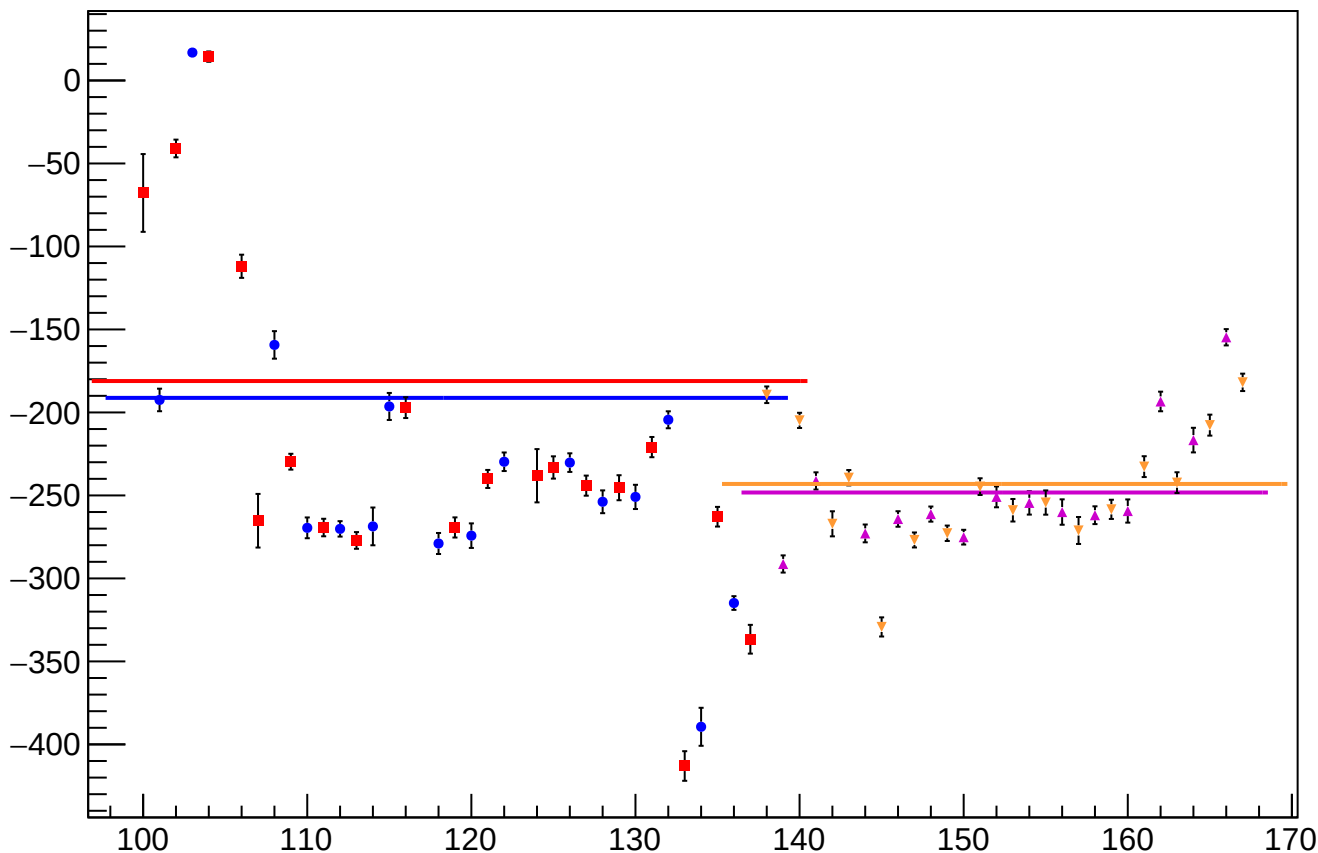
Left In: 16.929 ± 0.021 χ^2/NDF : 10265.5/13

+ sign 11.373 ± 0.019 χ^2/NDF : 961230.9/31

All: 12.311 ± 0.014 χ^2/NDF : 1378314.4/64

- sign 13.290 ± 0.019 χ^2/NDF : 412049.2/32

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF : 7224.7/15

Left Out: -243.083+/-1.394 χ^2/NDF : 713.4/15

Right Out: -181.080+/-1.383 χ^2/NDF : 7374.0/18

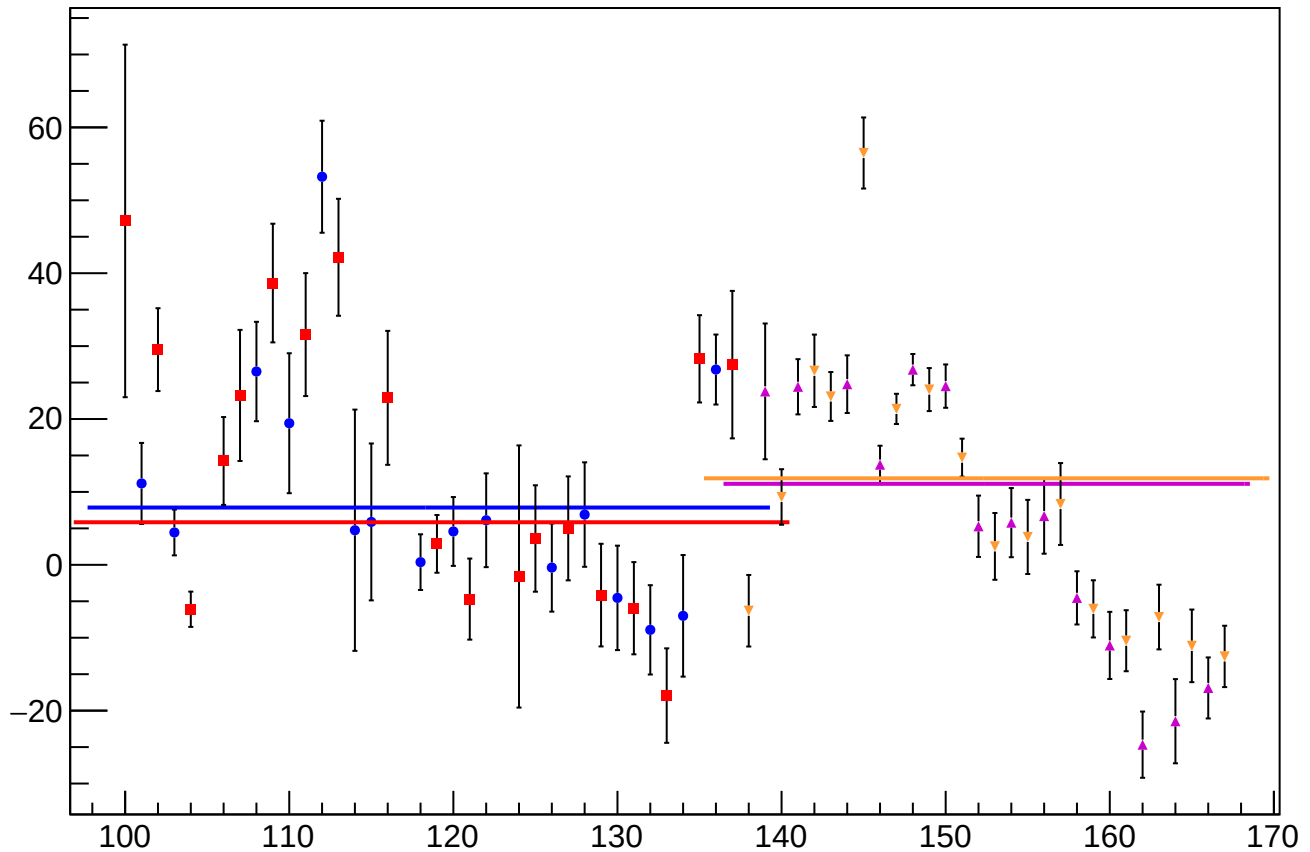
Left In: -248.238+/-1.475 χ^2/NDF : 627.7/13

+ sign -217.602+/-0.994 χ^2/NDF : 8617.8/31

All: -215.086+/-0.708 χ^2/NDF : 17736.4/64

- sign -212.498+/-1.009 χ^2/NDF : 9105.6/32

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859 ± 1.438 χ^2/NDF : 80.9/15

Left Out: 11.865 ± 0.927 χ^2/NDF : 286.9/15

Right Out: 5.839 ± 1.355 χ^2/NDF : 141.9/18

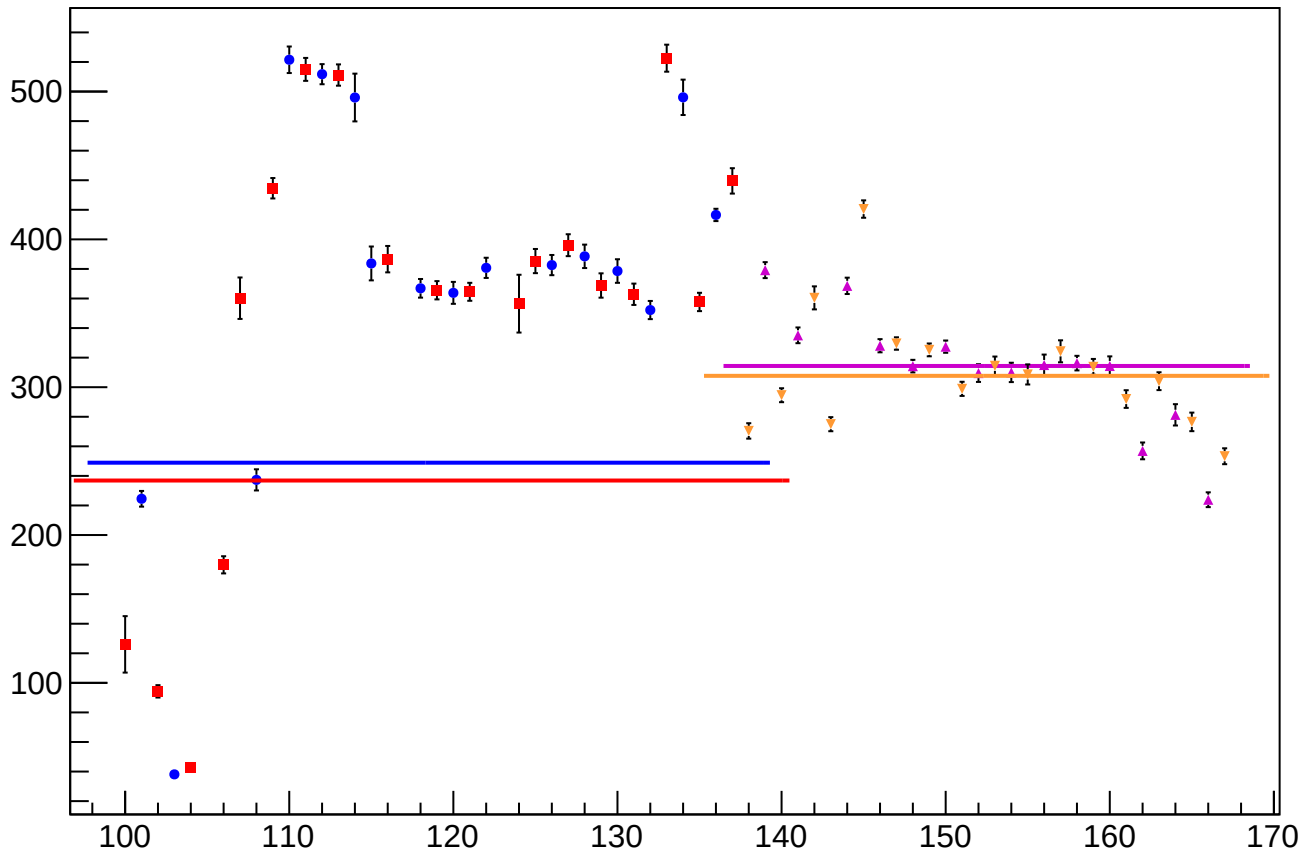
Left In: 11.111 ± 0.990 χ^2/NDF : 284.8/13

+ sign 10.690 ± 0.779 χ^2/NDF : 373.3/31

All: 10.002 ± 0.558 χ^2/NDF : 811.4/64

- sign 9.277 ± 0.799 χ^2/NDF : 436.5/32

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932 ± 1.422 χ^2/NDF : 15302.2/15

Left Out: 307.686 ± 1.361 χ^2/NDF : 707.5/15

Right Out: 236.871 ± 1.407 χ^2/NDF : 15657.3/18

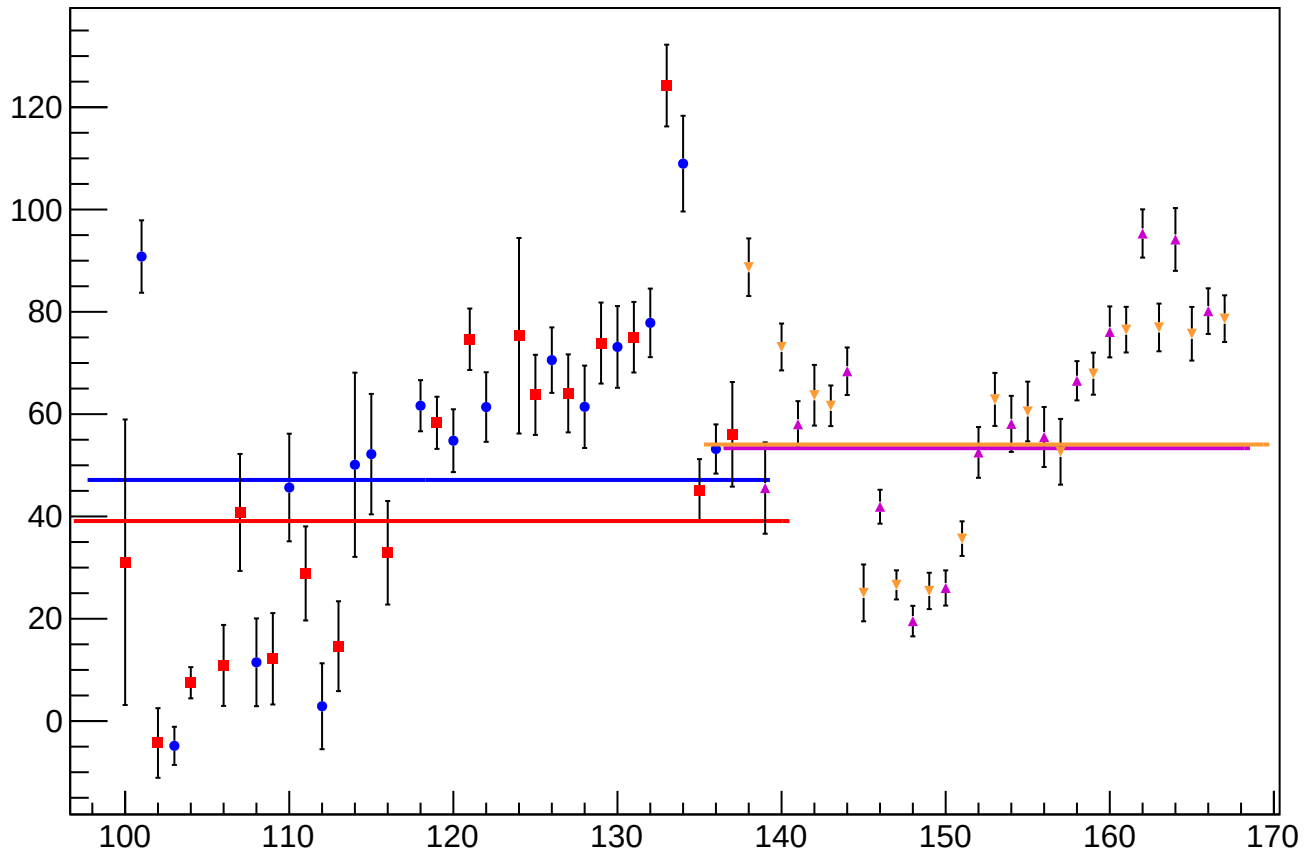
Left In: 314.367 ± 1.426 χ^2/NDF : 725.6/13

+ sign 279.589 ± 0.983 χ^2/NDF : 16900.9/31

All: 277.378 ± 0.702 χ^2/NDF : 34790.6/64

- sign 275.084 ± 1.002 χ^2/NDF : 17879.4/32

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137 ± 1.668 $\chi^2/\text{NDF}: 385.3/15$

Left Out: 54.067 ± 1.101 $\chi^2/\text{NDF}: 387.3/15$

Right Out: 39.105 ± 1.596 $\chi^2/\text{NDF}: 416.5/18$

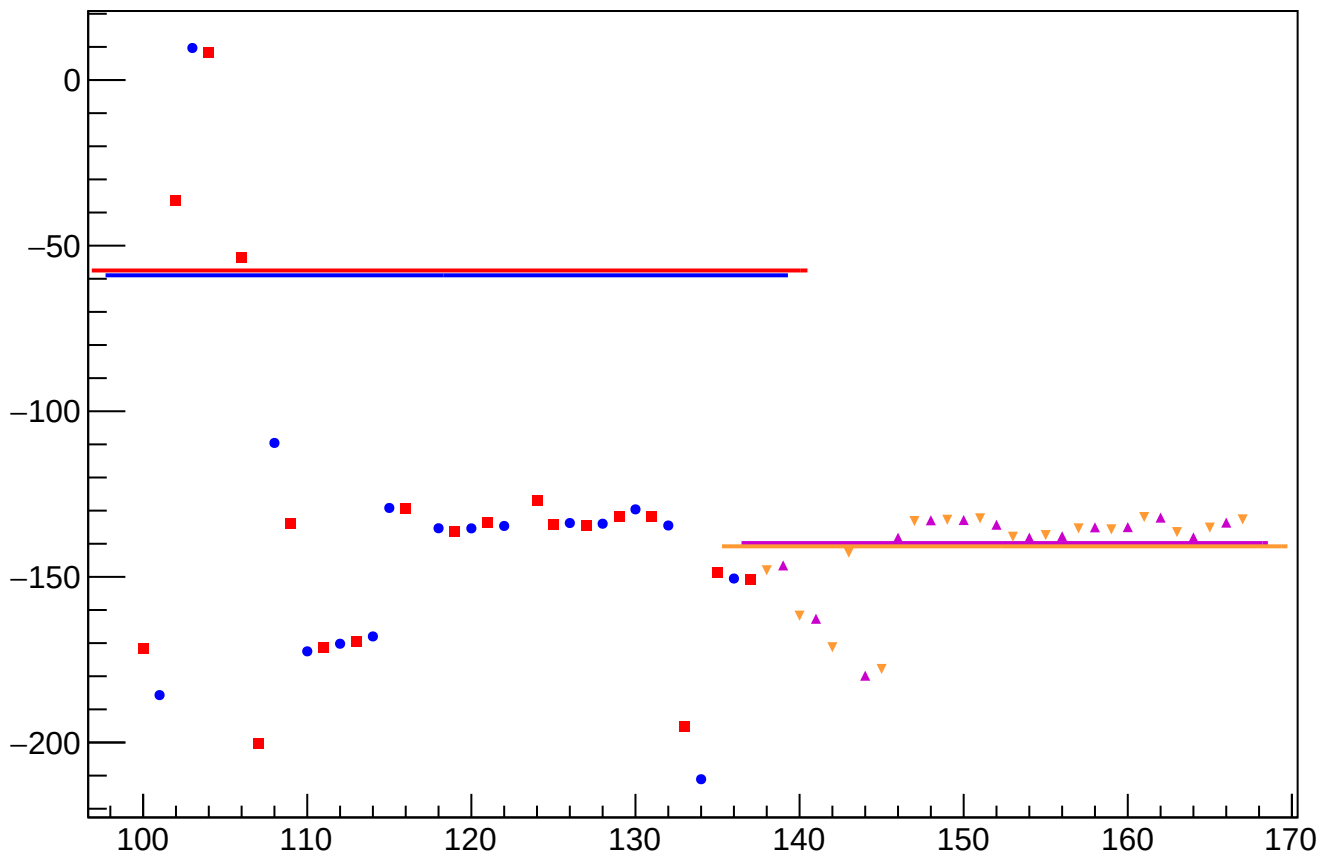
Left In: 53.342 ± 1.171 $\chi^2/\text{NDF}: 408.5/13$

+ sign 51.963 ± 0.919 $\chi^2/\text{NDF}: 784.7/31$

All: 50.209 ± 0.659 $\chi^2/\text{NDF}: 1668.9/64$

- sign 48.357 ± 0.944 $\chi^2/\text{NDF}: 876.7/32$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956 ± 0.073 χ^2/NDF : 1227079.0/15

Left Out: -140.779 ± 0.053 χ^2/NDF : 57202.8/15

Right Out: -57.497 ± 0.074 χ^2/NDF : 871305.9/18

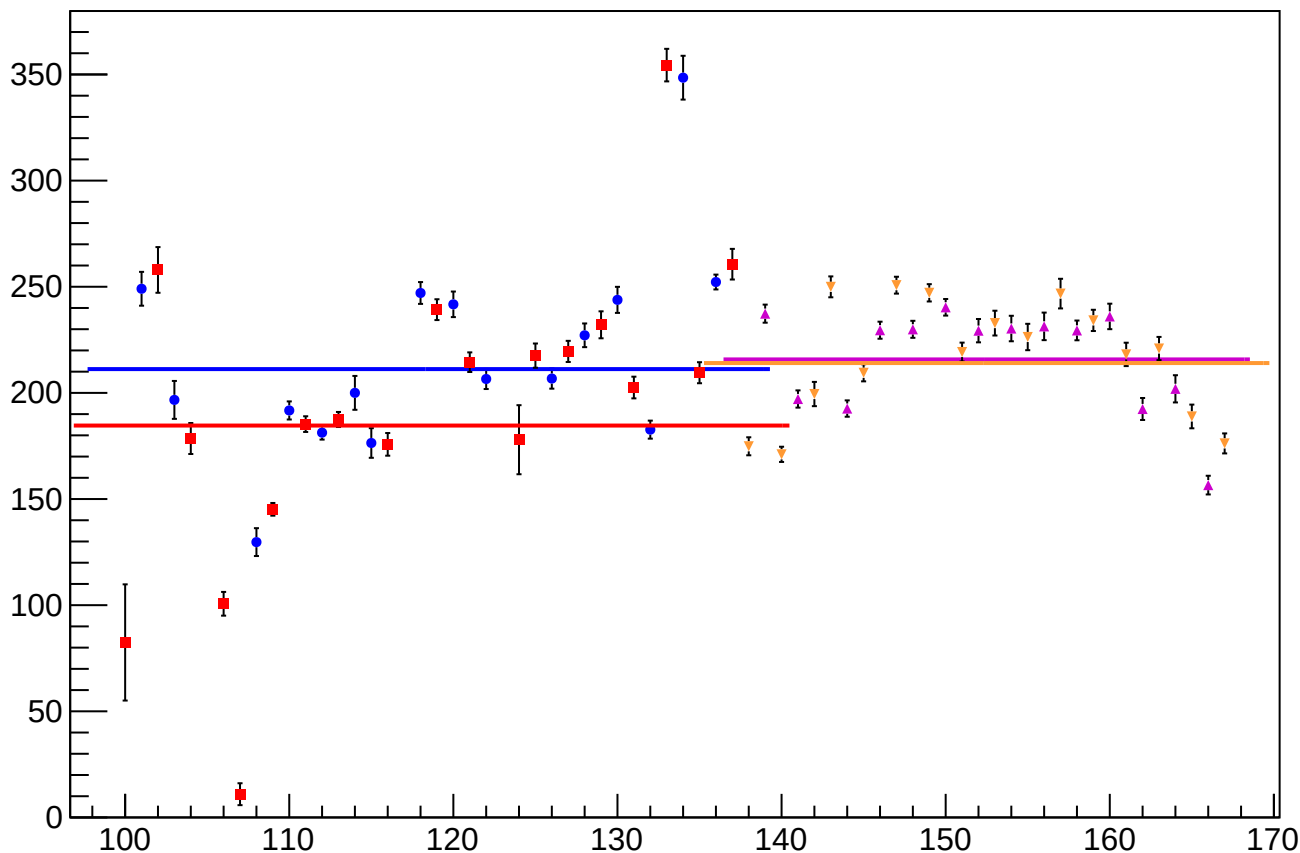
Left In: -139.794 ± 0.055 χ^2/NDF : 45981.1/13

+ sign -112.519 ± 0.043 χ^2/NDF : 2115644.7/31

All: -111.713 ± 0.031 χ^2/NDF : 3829927.0/64

- sign -110.854 ± 0.044 χ^2/NDF : 1713544.8/32

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210 ± 1.296 $\chi^2/\text{NDF}: 783.0/15$

Left Out: 214.054 ± 1.195 $\chi^2/\text{NDF}: 582.0/15$

Right Out: 184.614 ± 1.194 $\chi^2/\text{NDF}: 2540.4/18$

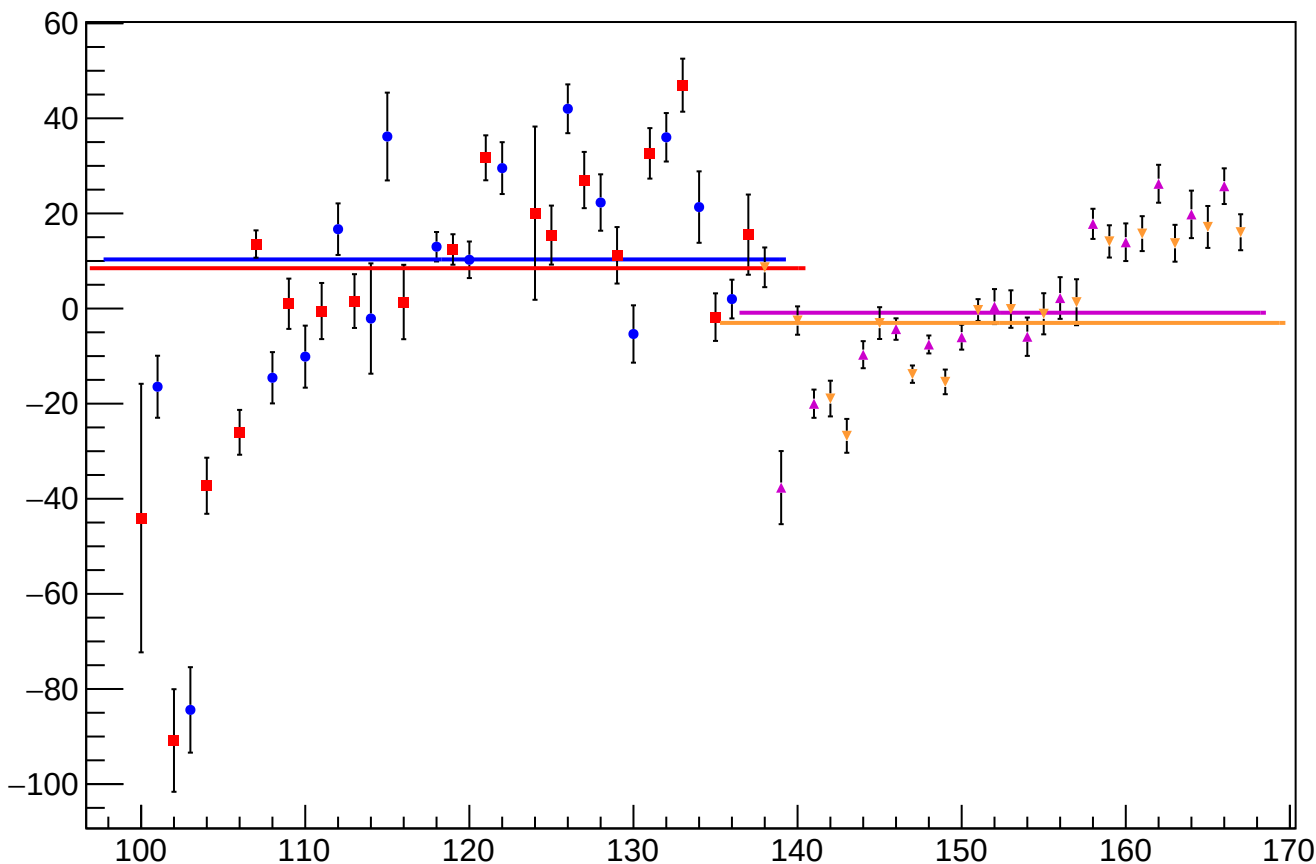
Left In: 215.769 ± 1.245 $\chi^2/\text{NDF}: 390.0/13$

+ sign 212.747 ± 0.878 $\chi^2/\text{NDF}: 1367.6/31$

All: 206.015 ± 0.615 $\chi^2/\text{NDF}: 4739.3/64$

- sign 199.534 ± 0.862 $\chi^2/\text{NDF}: 3256.5/32$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329 ± 1.333 χ^2/NDF : 263.3/15

Left Out: -3.021 ± 0.801 χ^2/NDF : 247.7/15

Right Out: 8.480 ± 1.225 χ^2/NDF : 322.3/18

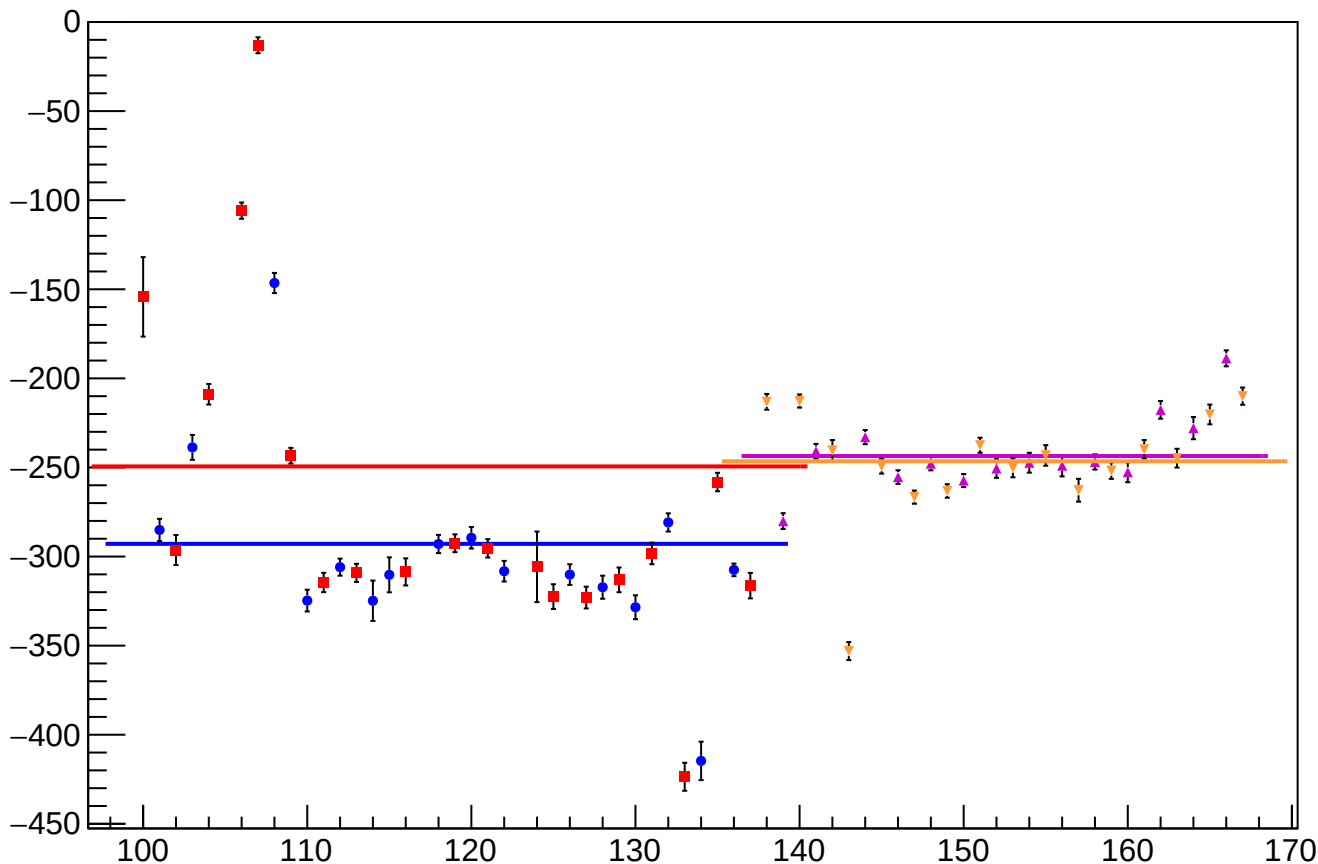
Left In: -0.882 ± 0.845 χ^2/NDF : 257.4/13

+ sign 0.524 ± 0.687 χ^2/NDF : 584.7/31

All: 1.320 ± 0.489 χ^2/NDF : 1206.7/64

- sign 2.136 ± 0.695 χ^2/NDF : 619.3/32

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872 ± 1.467 $\chi^2/\text{NDF}: 983.5/15$

Left Out: -246.524 ± 1.169 $\chi^2/\text{NDF}: 728.1/15$

Right Out: -249.407 ± 1.369 $\chi^2/\text{NDF}: 5368.5/18$

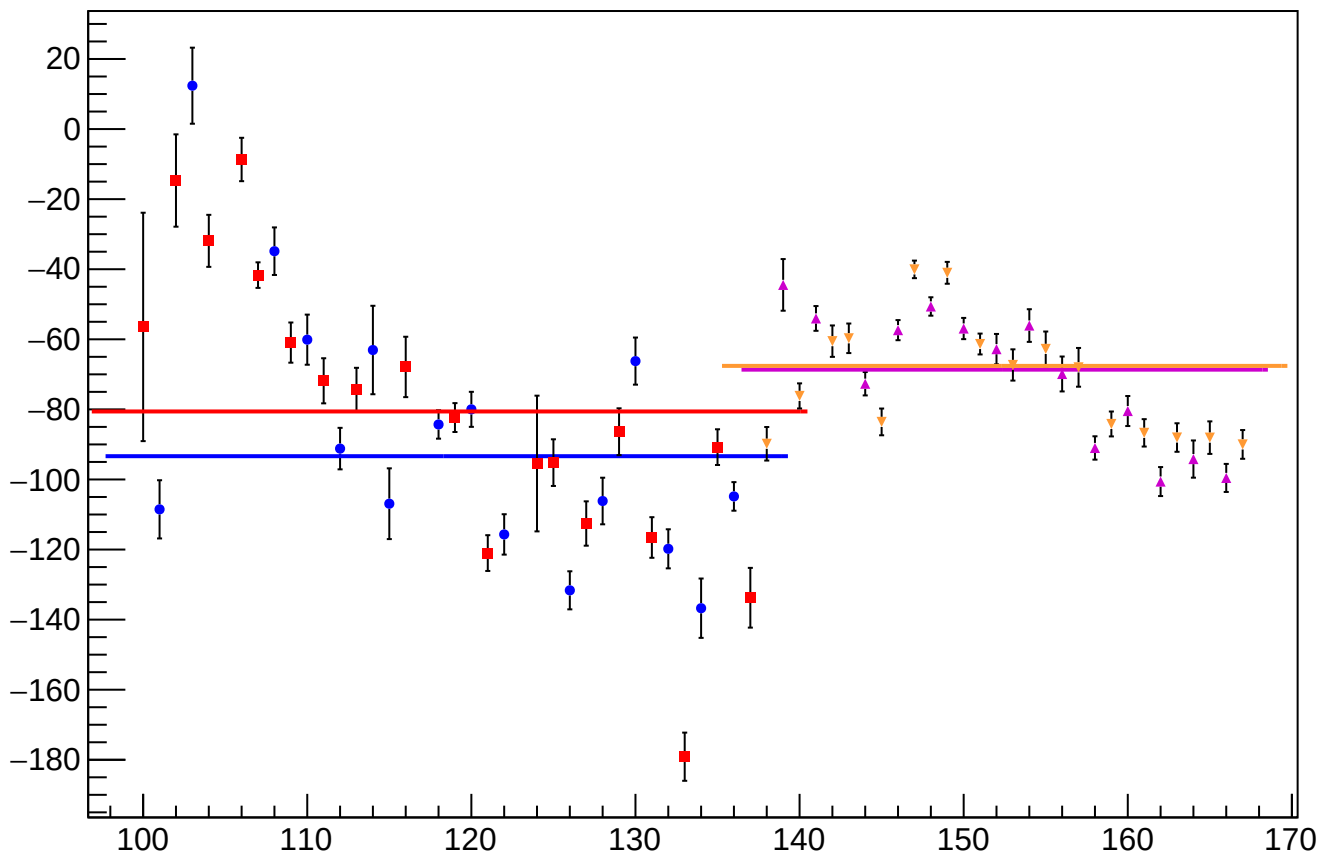
Left In: -243.581 ± 1.209 $\chi^2/\text{NDF}: 289.1/13$

+ sign -264.513 ± 0.914 $\chi^2/\text{NDF}: 2321.9/31$

All: -255.240 ± 0.644 $\chi^2/\text{NDF}: 8193.5/64$

- sign -246.134 ± 0.906 $\chi^2/\text{NDF}: 5667.7/32$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357 ± 1.534 χ^2/NDF : 355.3/15

Left Out: -67.585 ± 0.951 χ^2/NDF : 369.6/15

Right Out: -80.592 ± 1.424 χ^2/NDF : 715.3/18

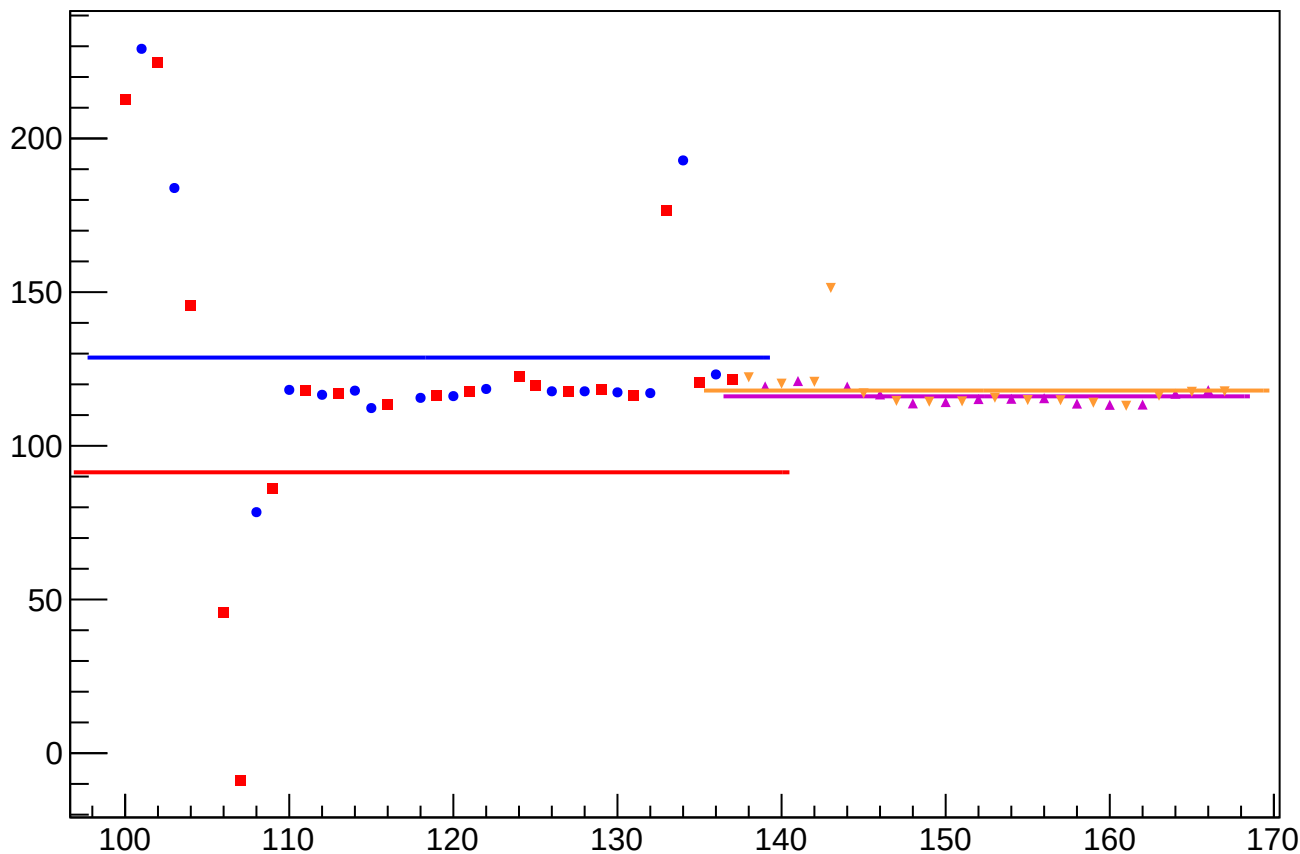
Left In: -68.660 ± 0.998 χ^2/NDF : 311.0/13

+ sign -74.740 ± 0.808 χ^2/NDF : 928.7/31

All: -73.677 ± 0.575 χ^2/NDF : 2005.7/64

- sign -72.590 ± 0.817 χ^2/NDF : 1073.4/32

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715 +/- 0.089 χ^2/NDF : 183522.8/15

Left Out: 117.985 +/- 0.045 χ^2/NDF : 29406.0/15

Right Out: 91.385 +/- 0.079 χ^2/NDF : 604912.4/18

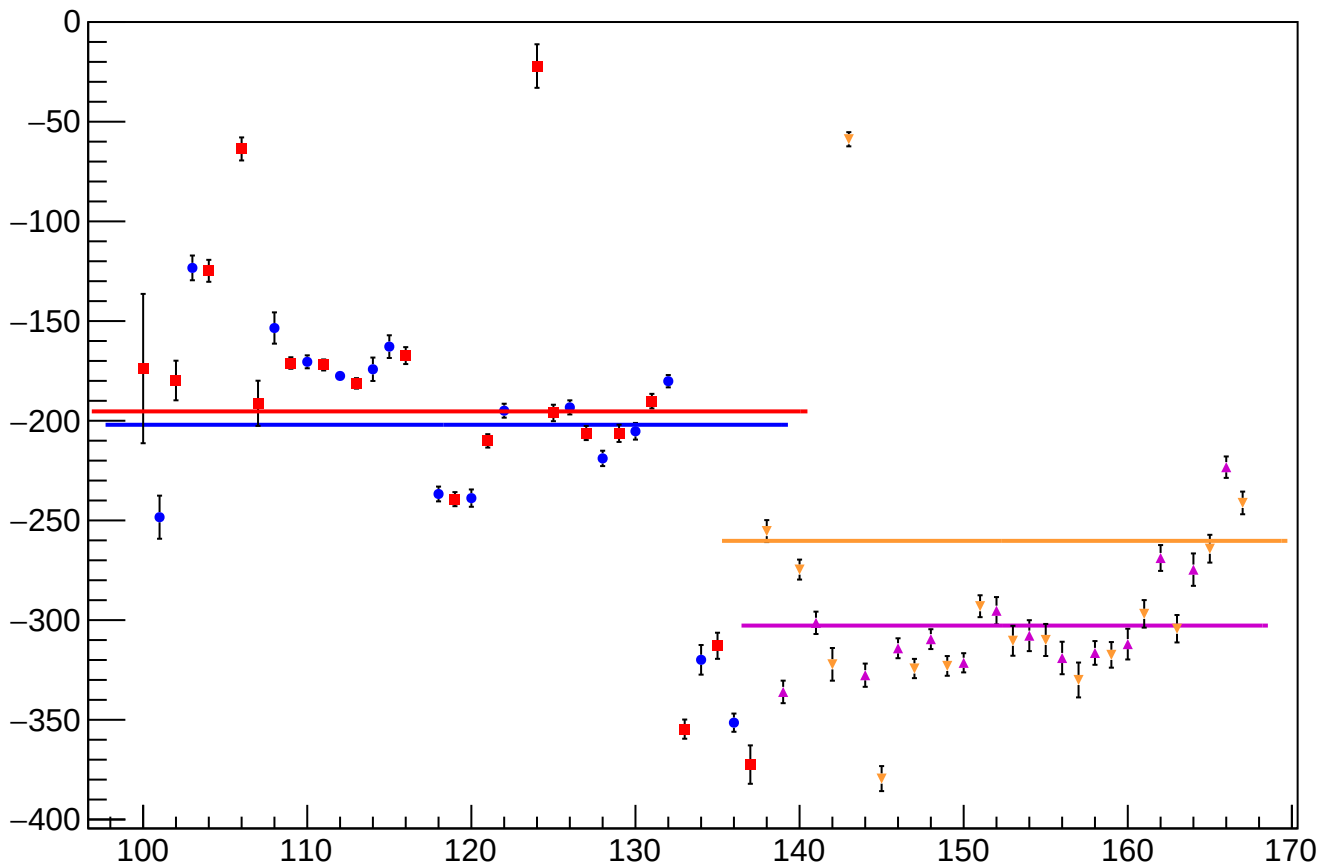
Left In: 116.097 +/- 0.046 χ^2/NDF : 2822.9/13

+ sign 120.190 +/- 0.040 χ^2/NDF : 224441.2/31

All: 114.926 +/- 0.028 χ^2/NDF : 938446.5/64

- sign 109.746 +/- 0.040 χ^2/NDF : 680326.7/32

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020 ± 1.024 $\chi^2/\text{NDF}: 2040.4/15$

Left Out: -260.246 ± 1.454 $\chi^2/\text{NDF}: 4310.8/15$

Right Out: -195.311 ± 0.974 $\chi^2/\text{NDF}: 3100.7/18$

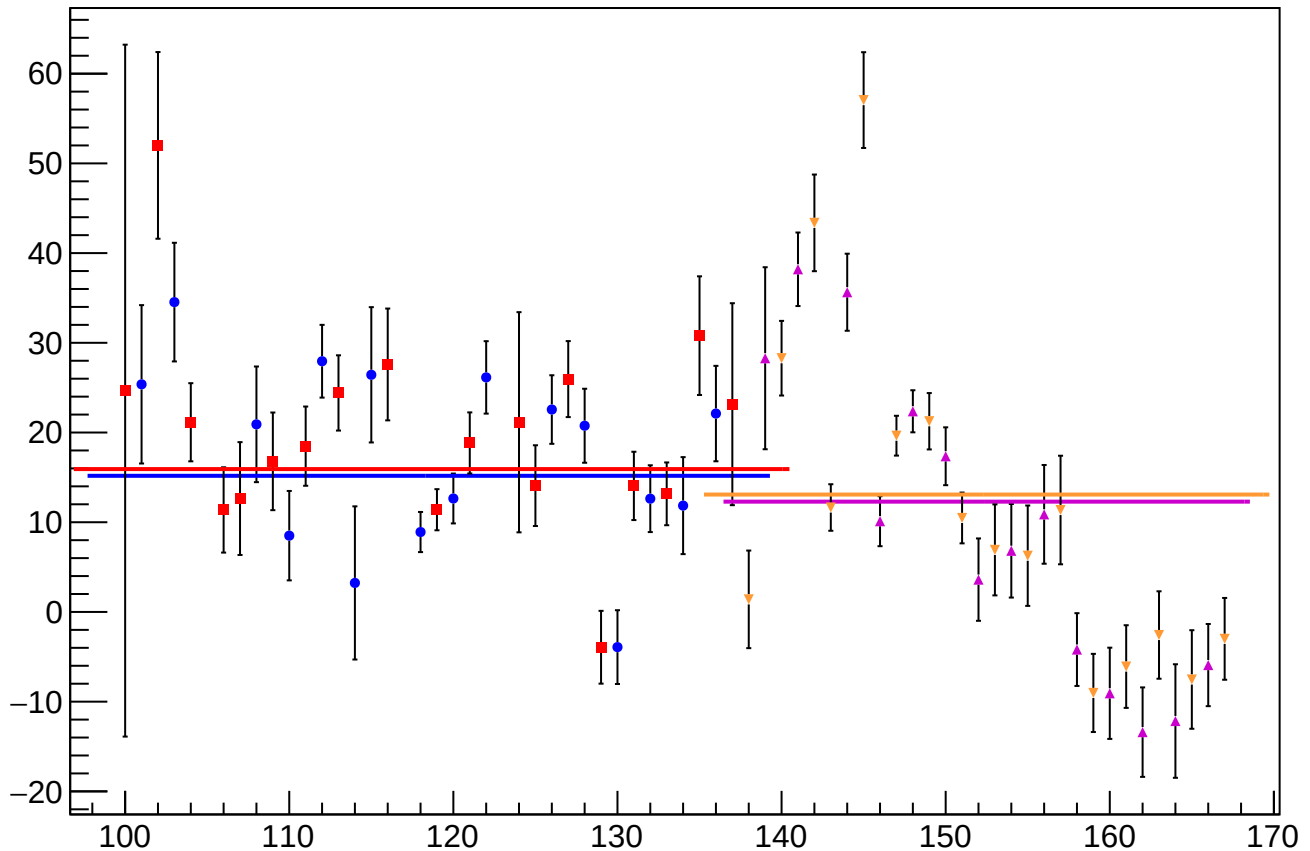
Left In: -302.738 ± 1.606 $\chi^2/\text{NDF}: 345.2/13$

+ sign -221.333 ± 0.837 $\chi^2/\text{NDF}: 7423.4/31$

All: -222.776 ± 0.590 $\chi^2/\text{NDF}: 14146.5/64$

- sign -224.204 ± 0.833 $\chi^2/\text{NDF}: 6717.2/32$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175 $\pm$ 1.048 χ^2 /NDF: 72.3/15

Left Out: 13.086 $\pm$ 0.971 χ^2 /NDF:217.1/15

Right Out: 15.925 $\pm$ 1.037 χ^2 /NDF: 63.5/18

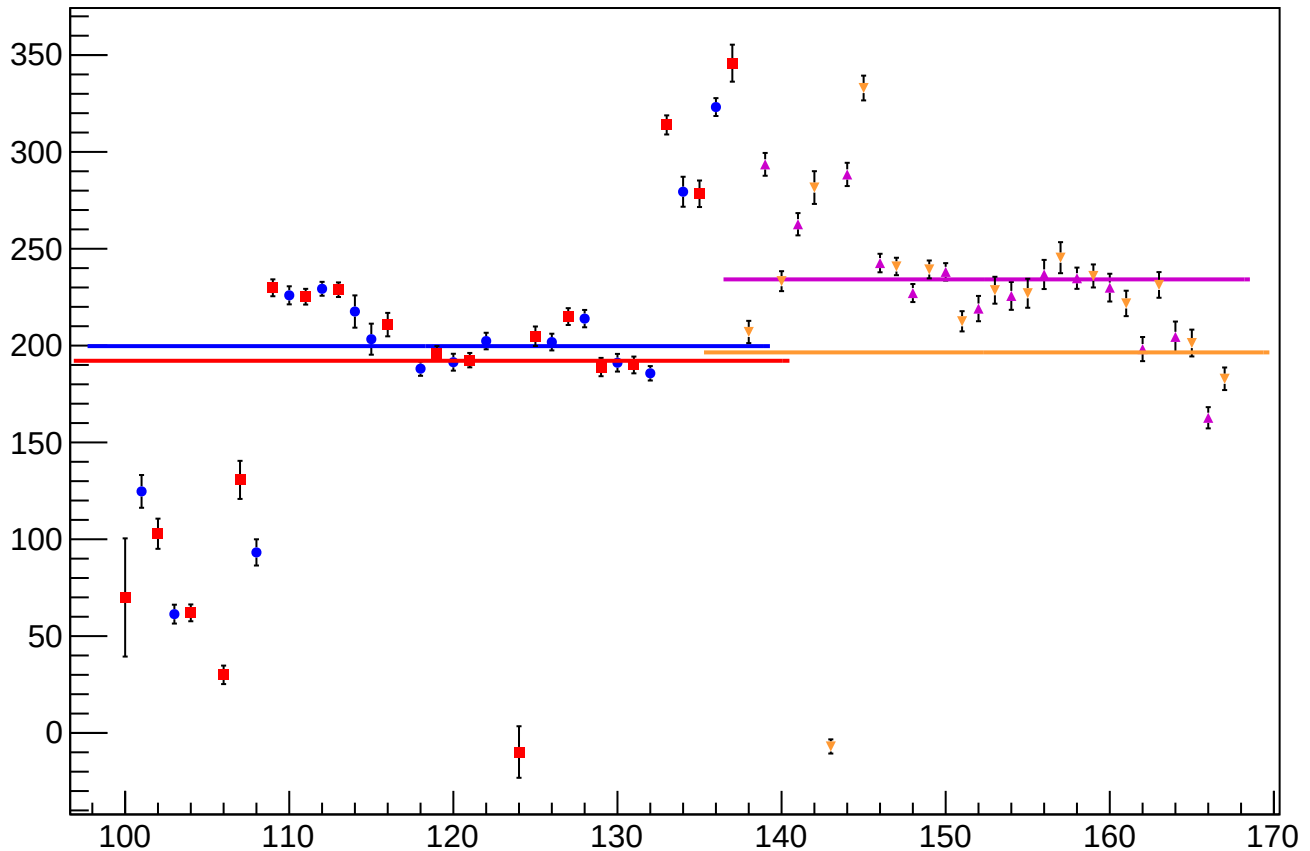
Left In: 12.294 $\pm$ 1.078 χ^2 /NDF:189.7/13

+ sign 14.051 $\pm$ 0.712 χ^2 /NDF: 291.5/31

All: 14.113 $\pm$ 0.516 χ^2 /NDF: 550.7/64

- sign 14.181 $\pm$ 0.747 χ^2 /NDF: 259.2/32

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722 ± 1.196 $\chi^2/\text{NDF}: 2101.6/15$

Left Out: 196.483 ± 1.425 $\chi^2/\text{NDF}: 4061.7/15$

Right Out: 192.156 ± 1.150 $\chi^2/\text{NDF}: 3777.1/18$

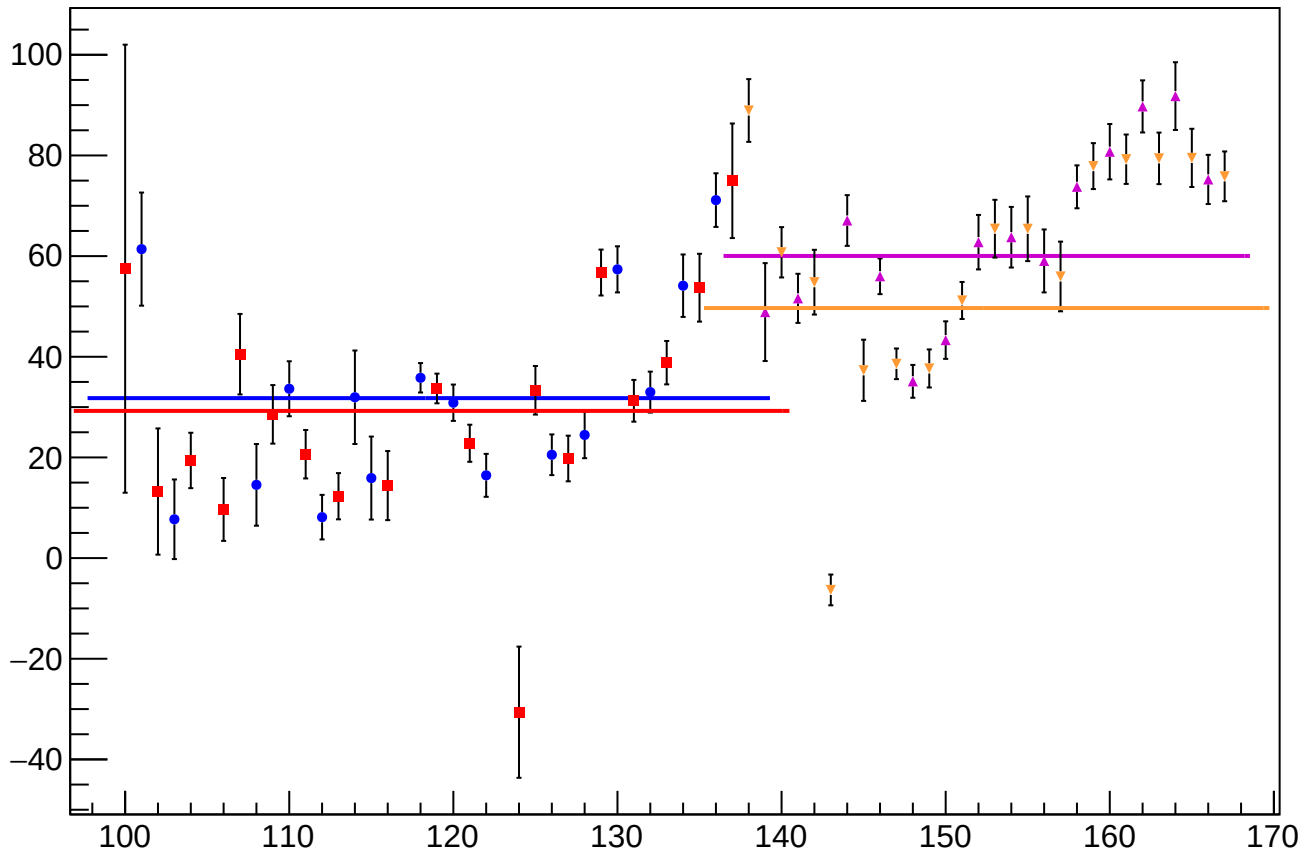
Left In: 234.178 ± 1.554 $\chi^2/\text{NDF}: 438.5/13$

+ sign 198.383 ± 0.916 $\chi^2/\text{NDF}: 6166.3/31$

All: 202.670 ± 0.651 $\chi^2/\text{NDF}: 10898.7/64$

- sign 207.038 ± 0.925 $\chi^2/\text{NDF}: 4688.1/32$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782 ± 1.217 χ^2/NDF : 177.0/15

Left Out: 49.682 ± 1.155 χ^2/NDF : 585.4/15

Right Out: 29.245 ± 1.197 χ^2/NDF : 140.9/18

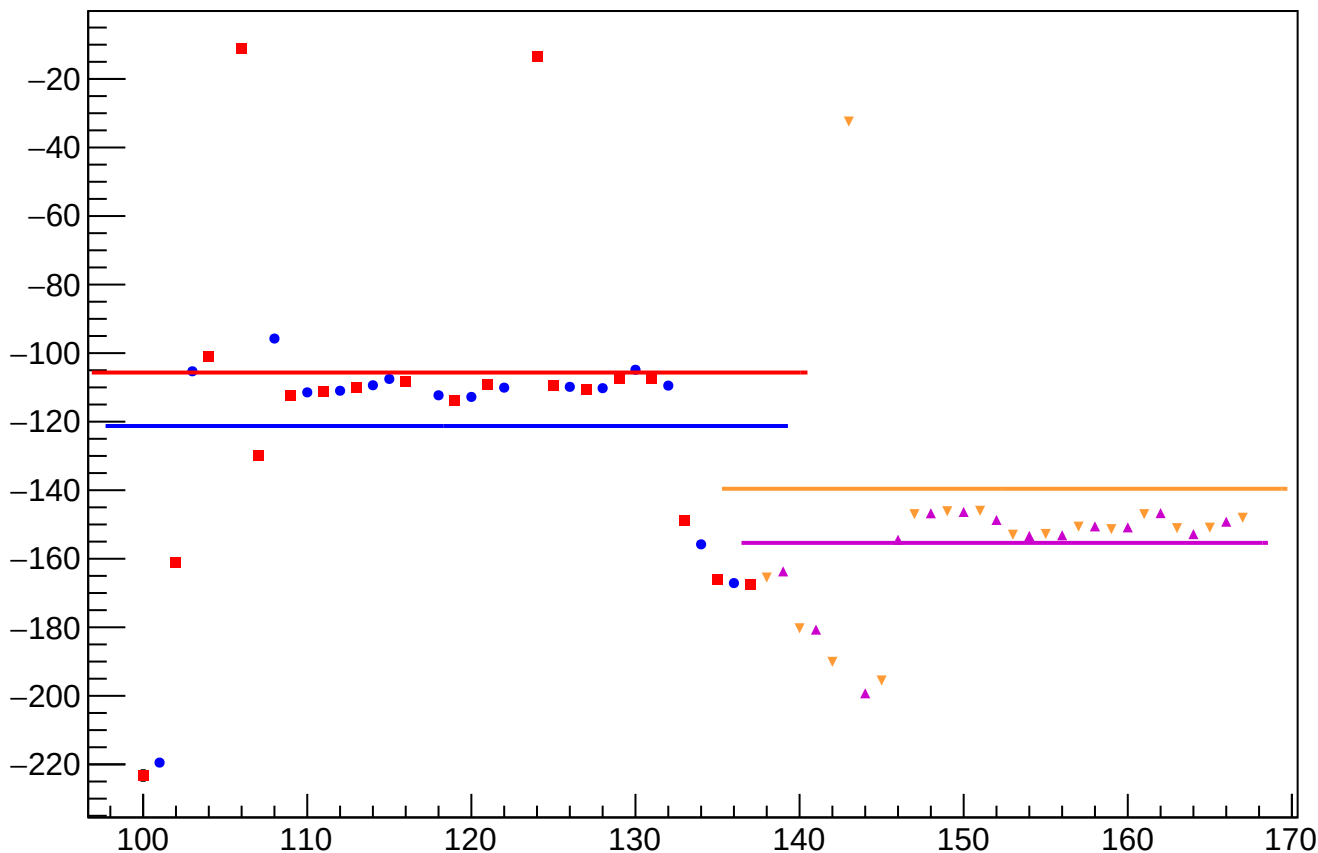
Left In: 60.032 ± 1.277 χ^2/NDF : 176.1/13

+ sign 41.196 ± 0.838 χ^2/NDF : 876.2/31

All: 42.369 ± 0.604 χ^2/NDF : 1506.9/64

- sign 43.644 ± 0.873 χ^2/NDF : 626.6/32

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268 ± 0.079 $\chi^2/\text{NDF}: 119398.5/15$

Left Out: -139.572 ± 0.056 $\chi^2/\text{NDF}: 632439.0/15$

Right Out: -105.660 ± 0.075 $\chi^2/\text{NDF}: 355093.7/18$

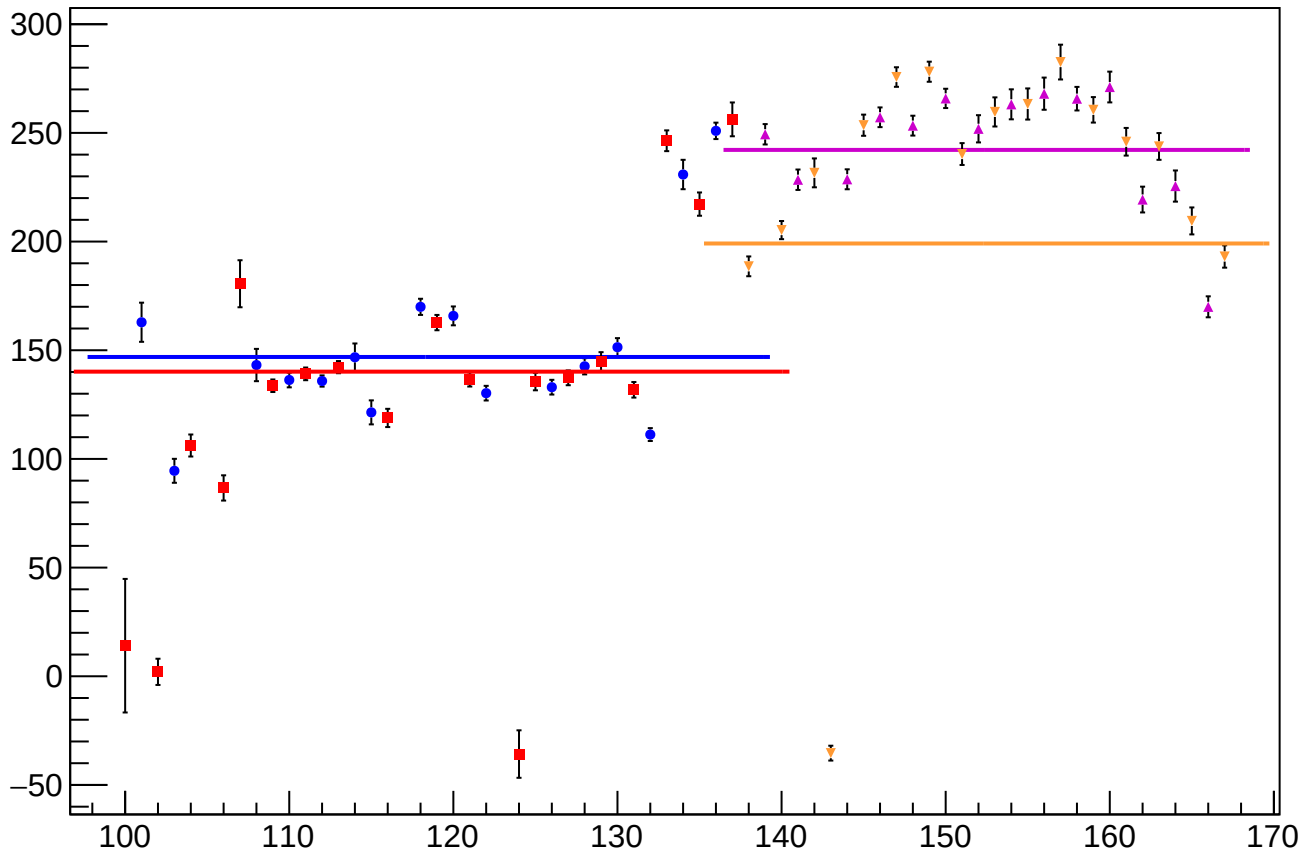
Left In: -155.368 ± 0.060 $\chi^2/\text{NDF}: 48421.4/13$

+ sign -133.544 ± 0.045 $\chi^2/\text{NDF}: 787641.0/31$

All: -134.755 ± 0.033 $\chi^2/\text{NDF}: 1463092.8/64$

- sign -136.027 ± 0.047 $\chi^2/\text{NDF}: 673997.9/32$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905 $\pm$ 1.003 χ^2 /NDF: 1302.0/15

Left Out: 199.114 $\pm$ 1.298 χ^2 /NDF: 6001.2/15

Right Out: 140.153 $\pm$ 0.960 χ^2 /NDF: 1950.6/18

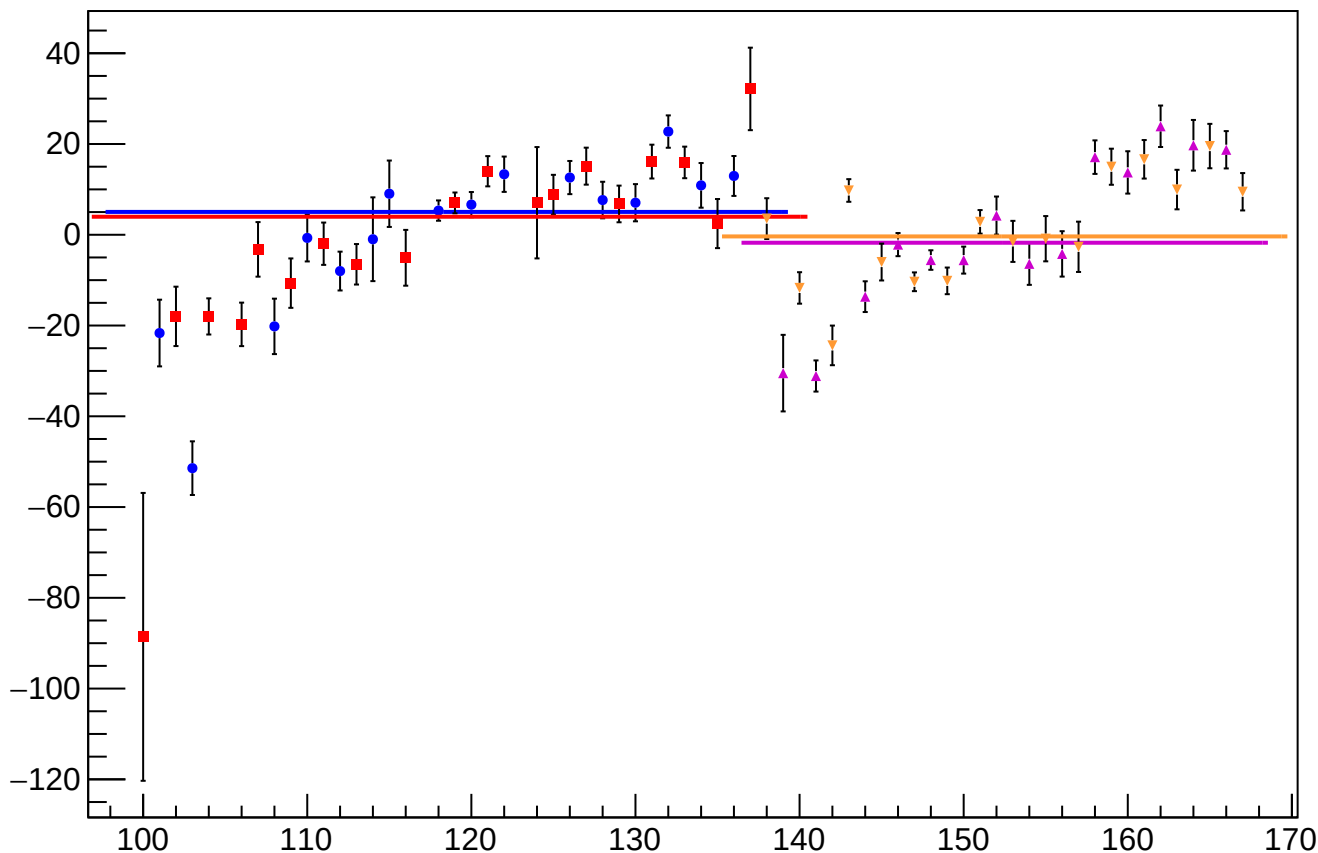
Left In: 242.173 $\pm$ 1.421 χ^2 /NDF: 368.3/13

+ sign 166.429 $\pm$ 0.794 χ^2 /NDF: 8315.9/31

All: 169.268 $\pm$ 0.562 χ^2 /NDF: 14198.7/64

- sign 172.119 $\pm$ 0.796 χ^2 /NDF: 5857.2/32

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037 ± 1.021 $\chi^2/\text{NDF}: 171.9/15$

Left Out: -0.365 ± 0.877 $\chi^2/\text{NDF}: 155.3/15$

Right Out: 3.974 ± 1.012 $\chi^2/\text{NDF}: 144.9/18$

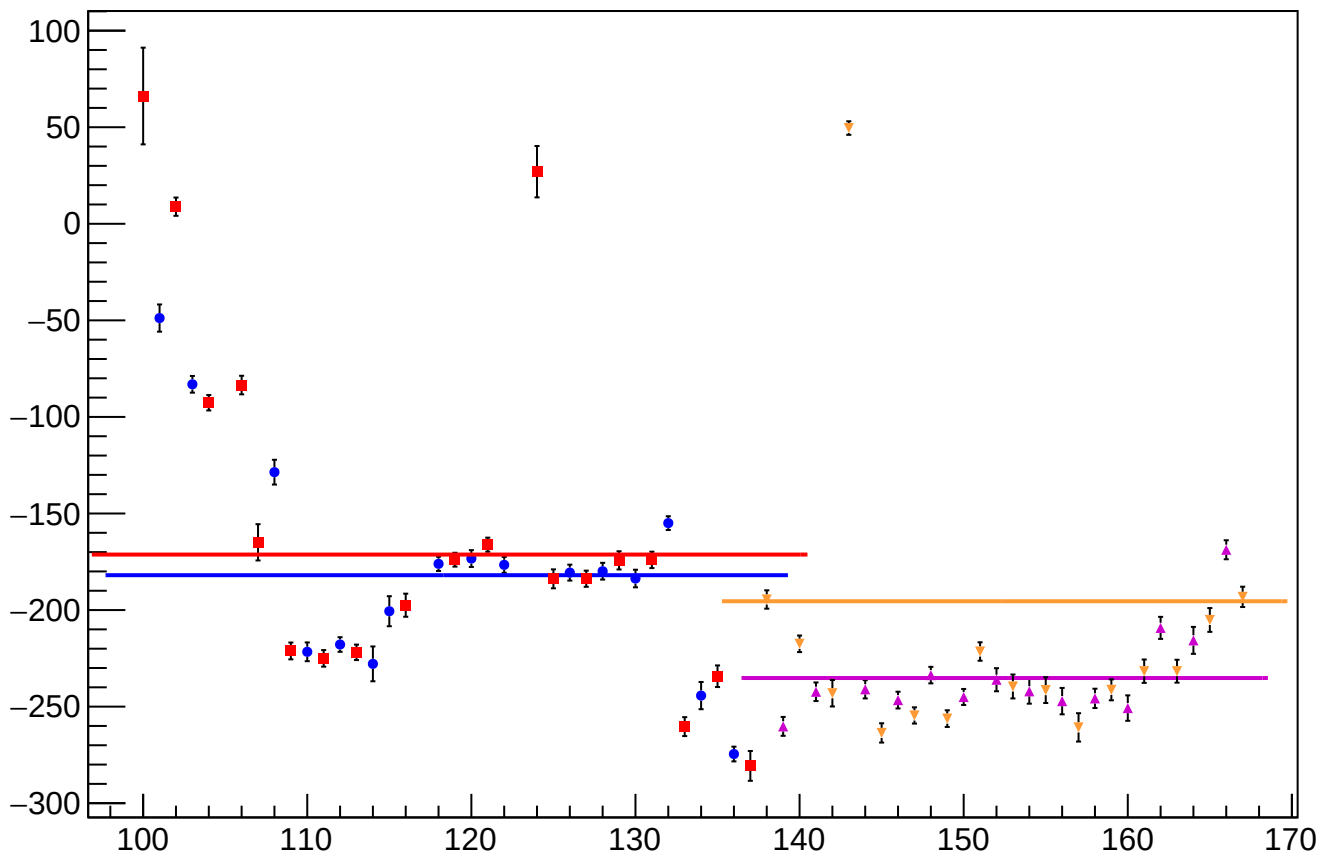
Left In: -1.756 ± 0.966 $\chi^2/\text{NDF}: 213.4/13$

+ sign 1.930 ± 0.665 $\chi^2/\text{NDF}: 343.2/31$

All: 1.477 ± 0.482 $\chi^2/\text{NDF}: 719.3/64$

- sign 0.977 ± 0.699 $\chi^2/\text{NDF}: 375.1/32$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947 ± 1.154 $\chi^2/\text{NDF}: 1870.4/15$

Left Out: -195.437 ± 1.276 $\chi^2/\text{NDF}: 5866.7/15$

Right Out: -171.262 ± 1.111 $\chi^2/\text{NDF}: 3628.2/18$

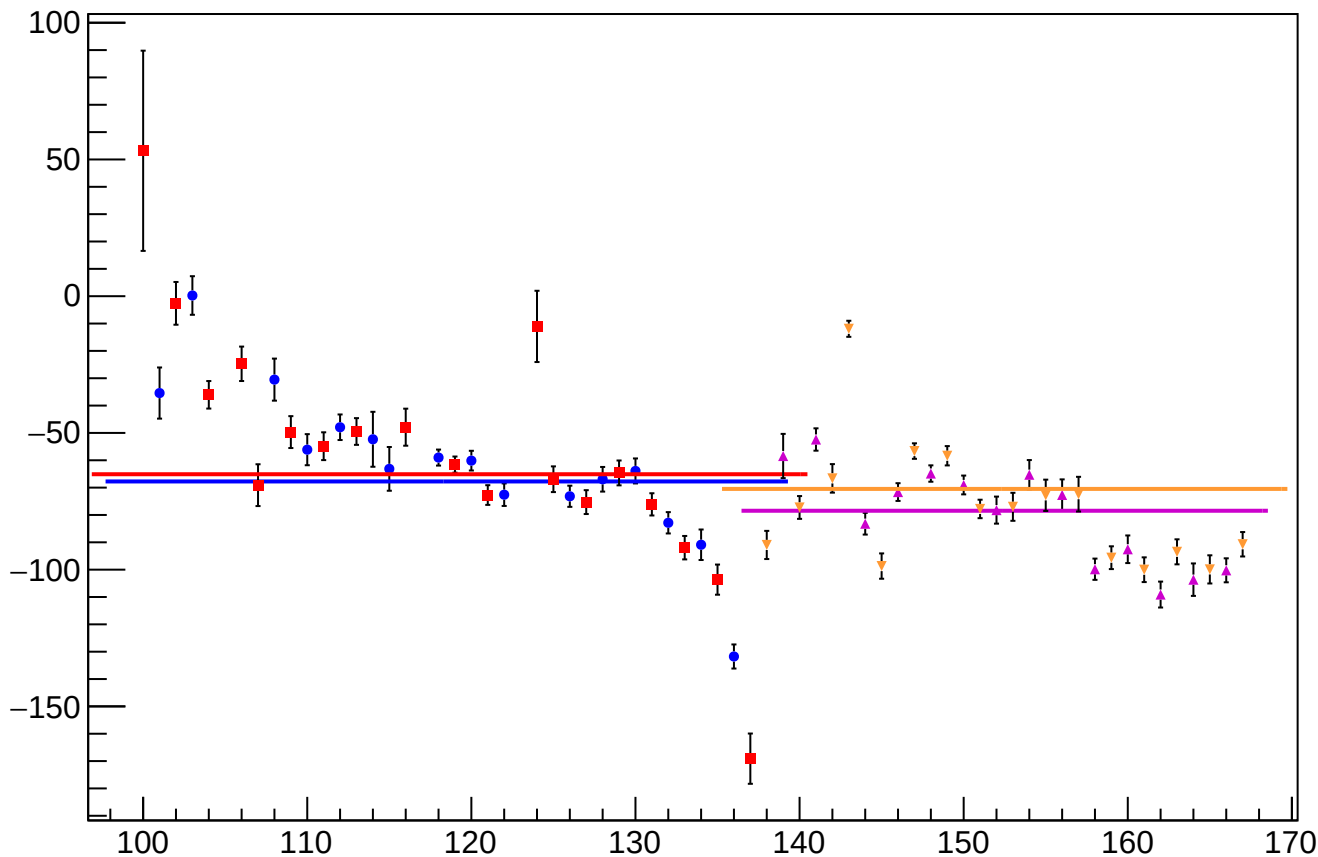
Left In: -235.189 ± 1.380 $\chi^2/\text{NDF}: 267.5/13$

+ sign -188.018 ± 0.856 $\chi^2/\text{NDF}: 7798.6/31$

All: -192.165 ± 0.609 $\chi^2/\text{NDF}: 13043.9/64$

- sign -196.407 ± 0.865 $\chi^2/\text{NDF}: 5197.7/32$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745 ± 1.181 χ^2/NDF : 414.0/15

Left Out: -70.472 ± 1.041 χ^2/NDF : 652.7/15

Right Out: -65.105 ± 1.167 χ^2/NDF : 429.0/18

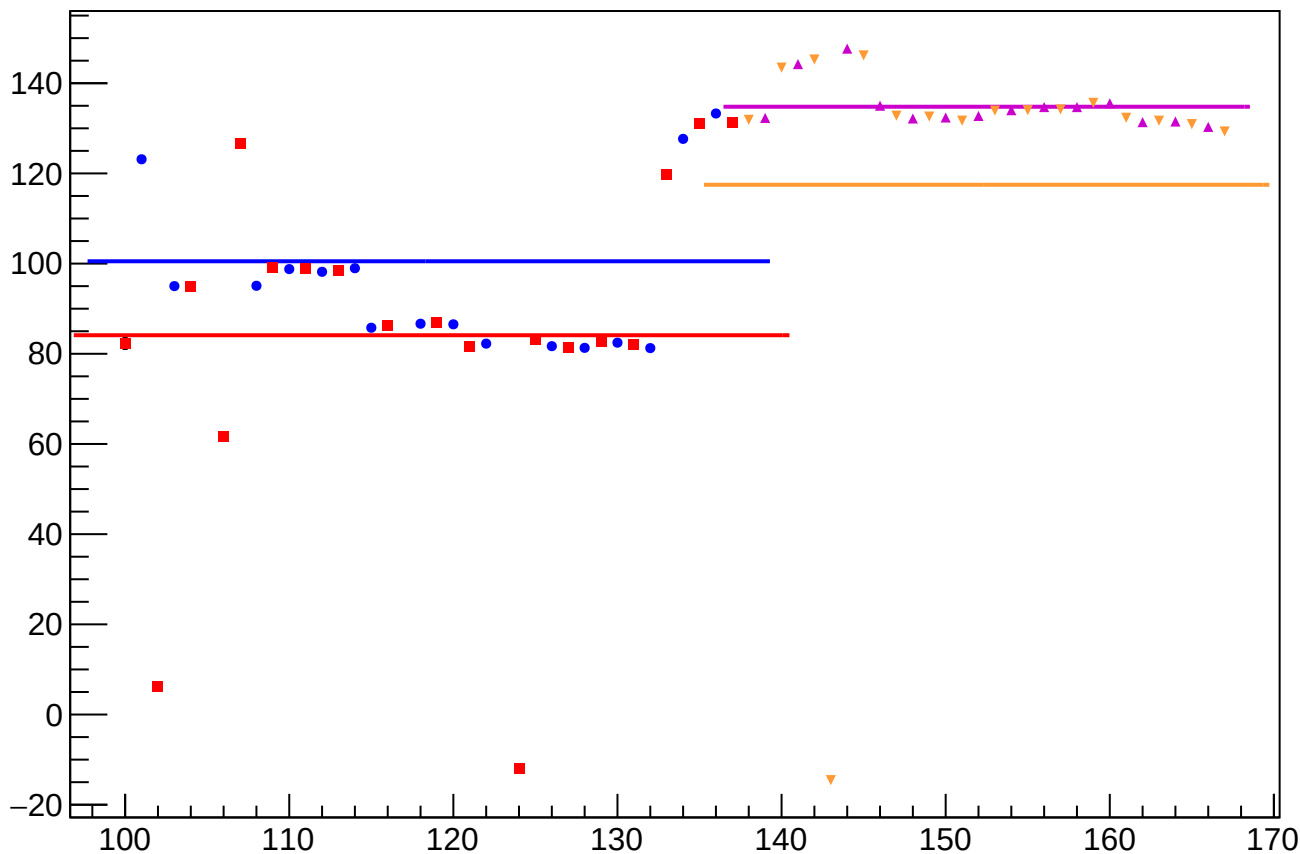
Left In: -78.460 ± 1.142 χ^2/NDF : 210.5/13

+ sign -69.280 ± 0.781 χ^2/NDF : 1069.7/31

All: -70.544 ± 0.564 χ^2/NDF : 1781.6/64

- sign -71.925 ± 0.816 χ^2/NDF : 706.4/32

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517±/-0.074 χ^2/NDF : 67464.8/15

Left Out: 117.480±/-0.050 χ^2/NDF : 934460.6/15

Right Out: 84.116±/-0.069 χ^2/NDF : 263788.9/18

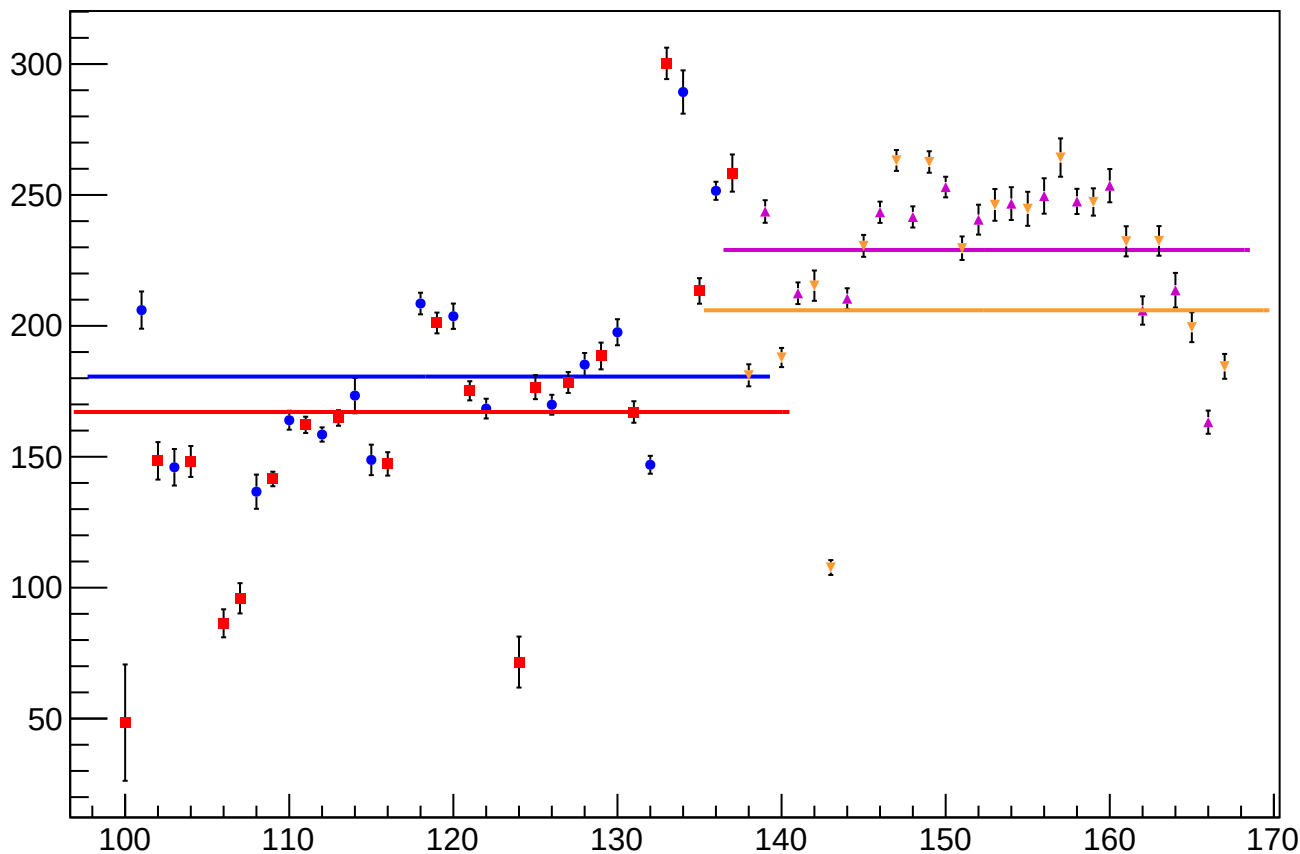
Left In: 134.786±/-0.053 χ^2/NDF : 7669.9/13

+ sign 112.199±/-0.041 χ^2/NDF : 1038148.7/31

All: 114.073±/-0.029 χ^2/NDF : 1651387.2/64

- sign 116.025±/-0.042 χ^2/NDF : 609028.5/32

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634 ± 1.090 $\chi^2/\text{NDF}: 993.4/15$

Left Out: 205.953 ± 1.150 $\chi^2/\text{NDF}: 1986.3/15$

Right Out: 167.102 ± 1.021 $\chi^2/\text{NDF}: 1484.6/18$

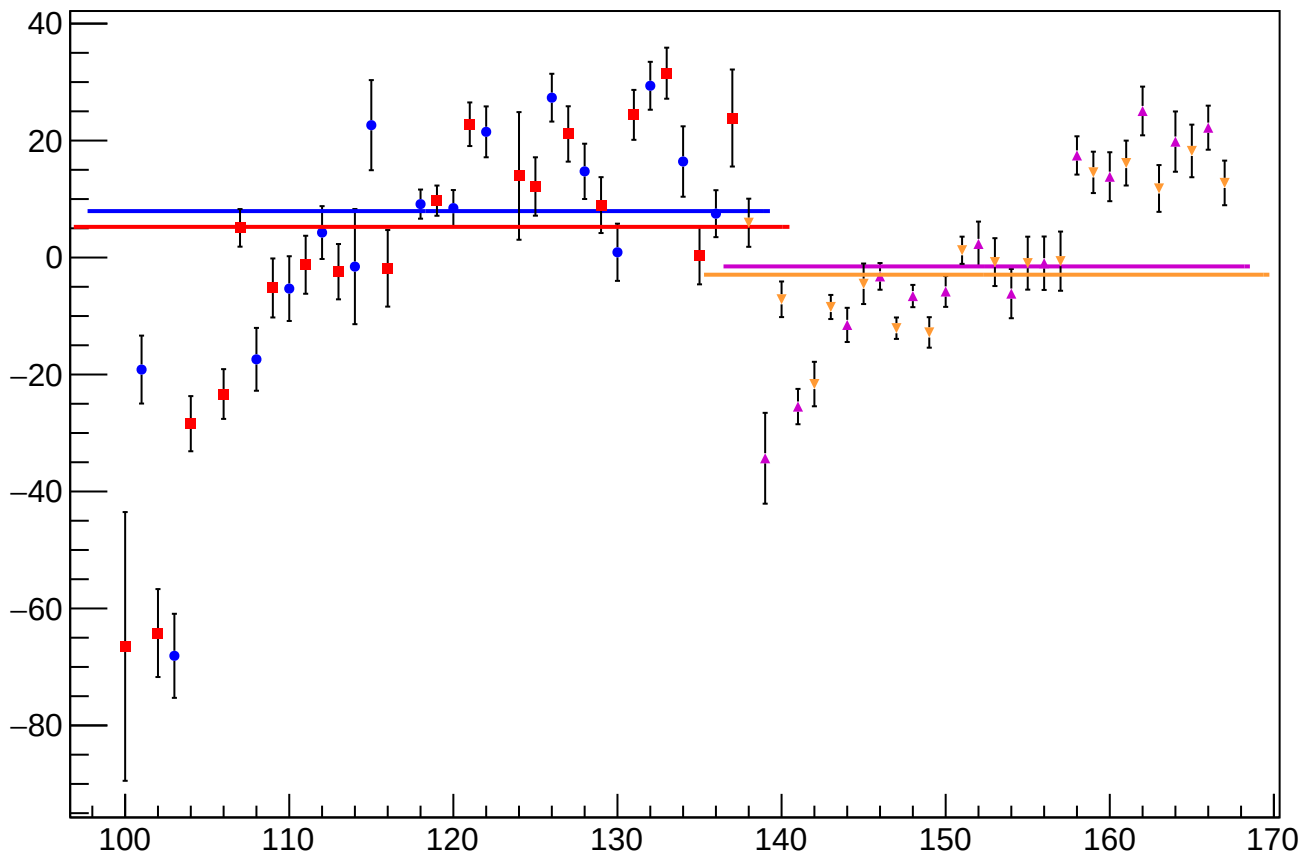
Left In: 228.990 ± 1.273 $\chi^2/\text{NDF}: 405.5/13$

+ sign 192.612 ± 0.791 $\chi^2/\text{NDF}: 3235.1/31$

All: 191.968 ± 0.561 $\chi^2/\text{NDF}: 6564.5/64$

- sign 191.315 ± 0.796 $\chi^2/\text{NDF}: 3328.1/32$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.933 ± 0.776 χ^2/NDF : 183.2/15

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

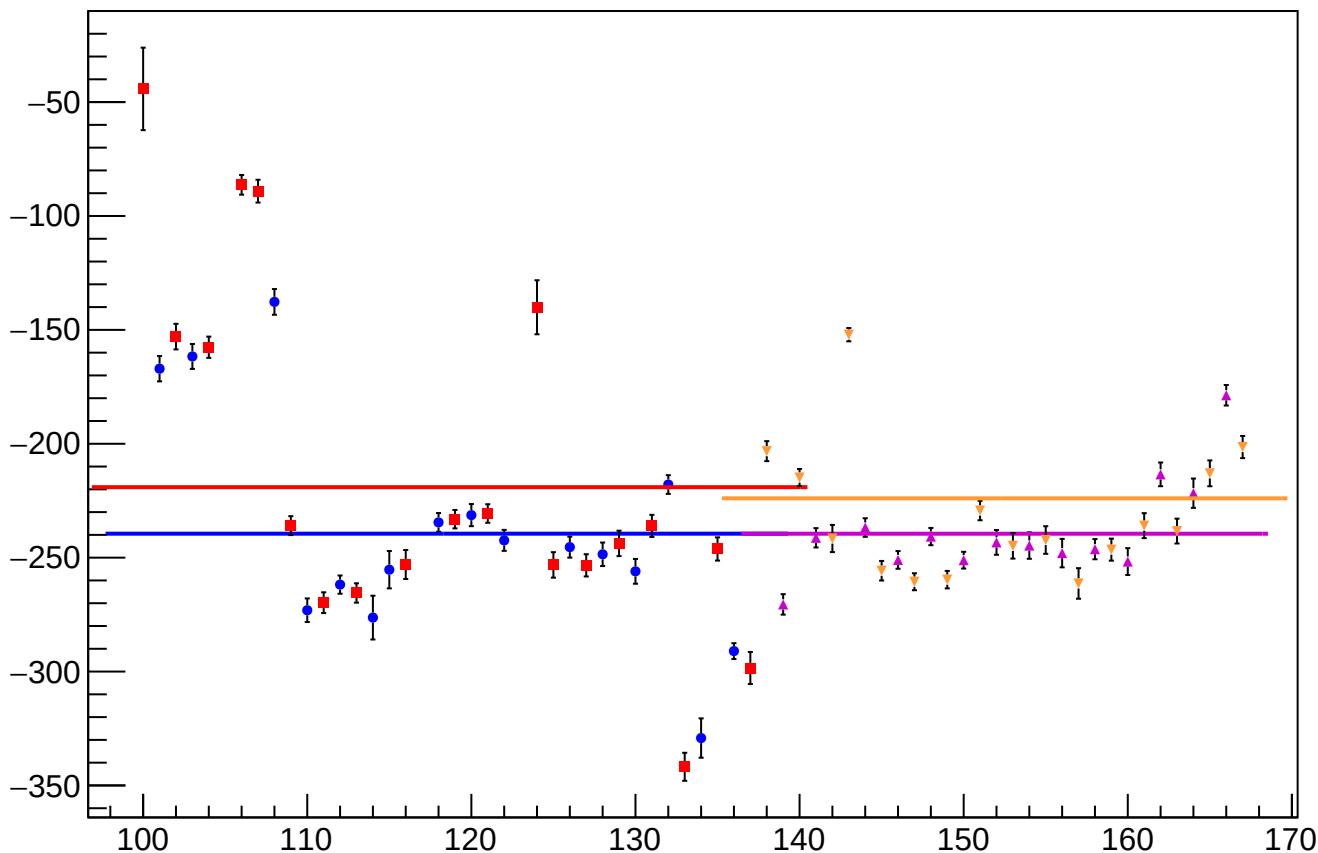
Left In: -1.517 ± 0.863 χ^2/NDF : 249.5/13

+ sign 0.623 ± 0.637 χ^2/NDF : 480.3/31

All: 0.882 ± 0.461 χ^2/NDF : 1057.5/64

- sign 1.170 ± 0.670 χ^2/NDF : 576.9/32

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: -223.966 ± 1.131 χ^2/NDF : 993.8/15

Right Out: -219.053 ± 1.176 χ^2/NDF : 3049.3/18

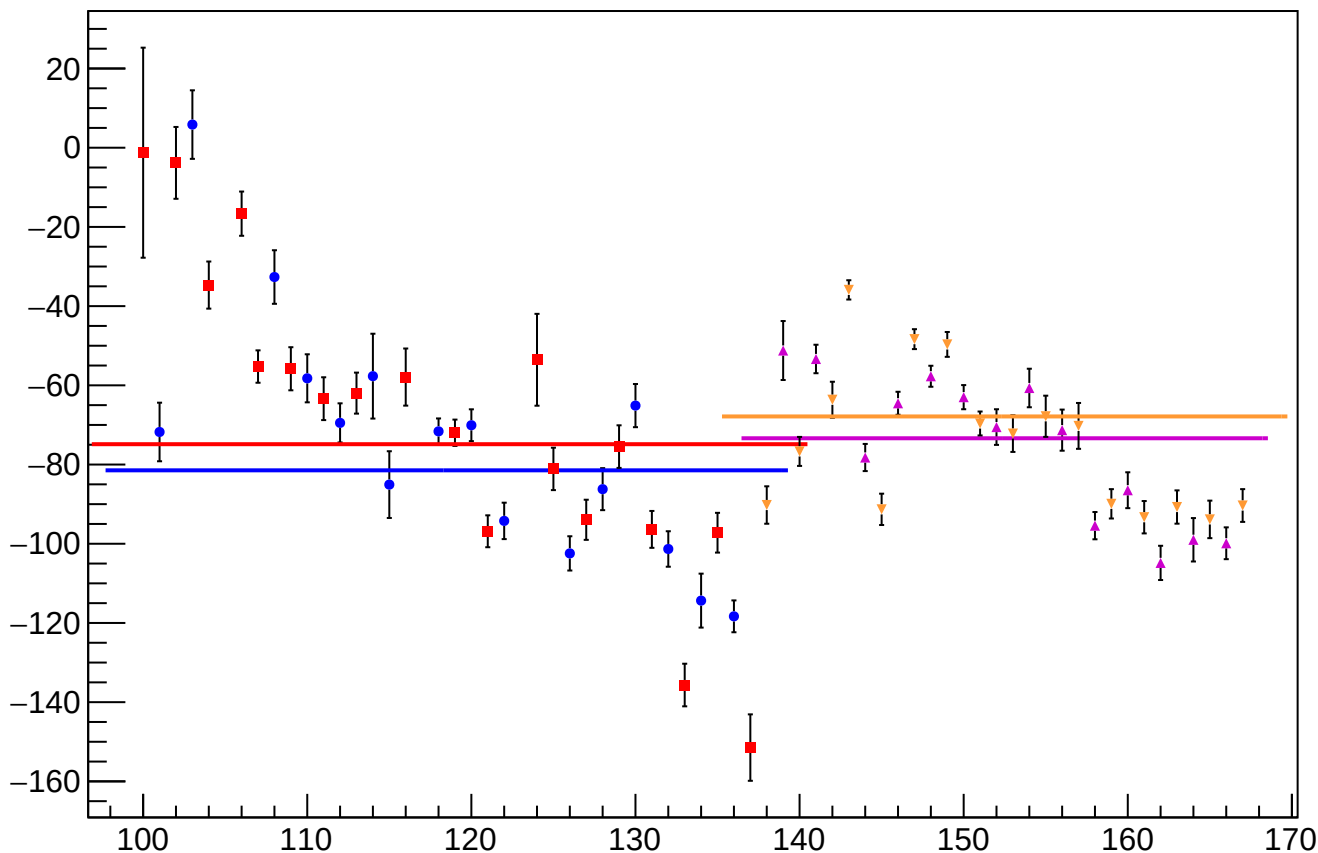
Left In: -239.487 ± 1.236 χ^2/NDF : 291.5/13

+ sign -230.975 ± 0.837 χ^2/NDF : 2240.9/31

All: -229.888 ± 0.597 χ^2/NDF : 5728.6/64

- sign -228.762 ± 0.852 χ^2/NDF : 3484.2/32

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: -67.855 ± 0.922 χ^2/NDF : 495.0/15

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

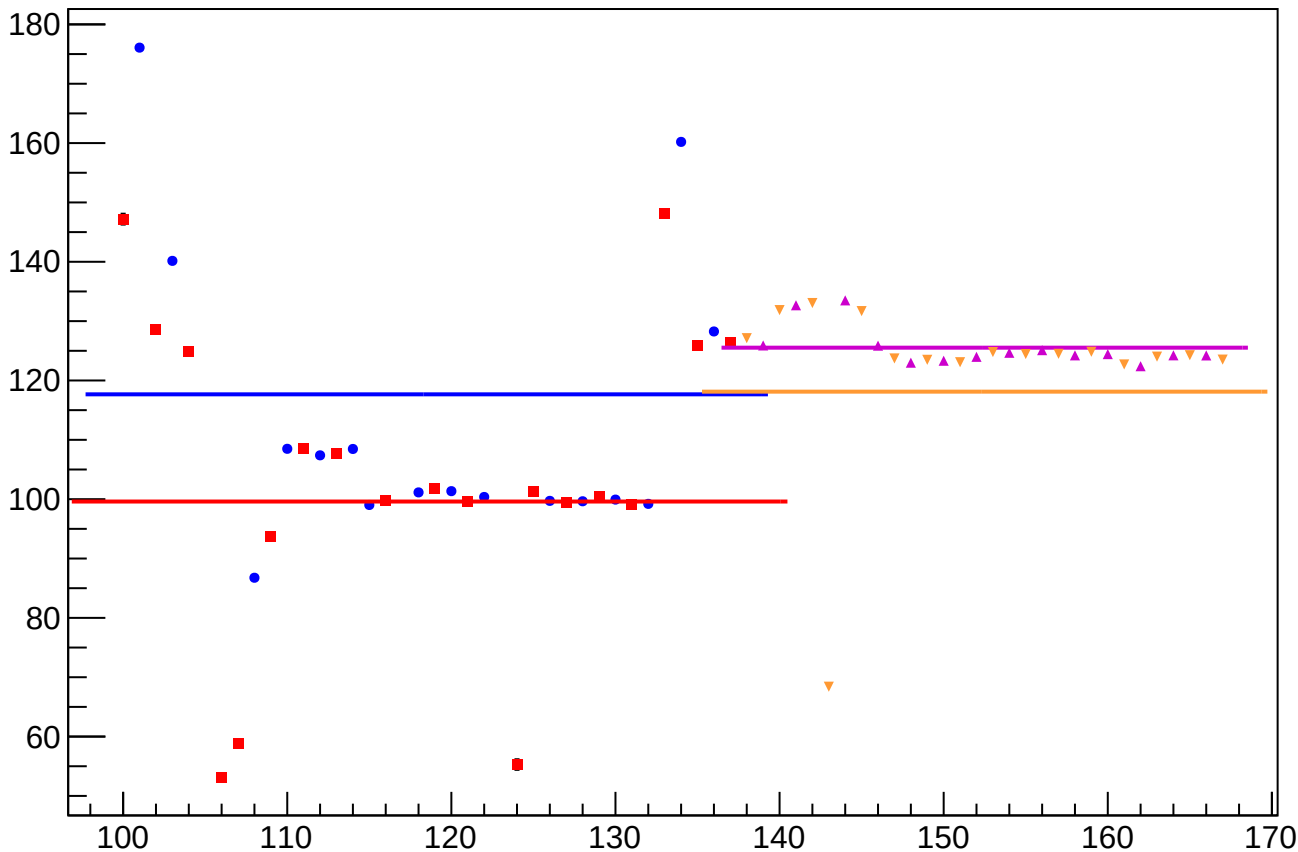
Left In: -73.365 ± 1.021 χ^2/NDF : 272.9/13

+ sign -72.473 ± 0.750 χ^2/NDF : 935.4/31

All: -73.189 ± 0.542 χ^2/NDF : 1787.6/64

- sign -73.975 ± 0.786 χ^2/NDF : 850.4/32

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: 118.118 $\pm$ 0.044 χ^2 /NDF: 197406.9/15

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

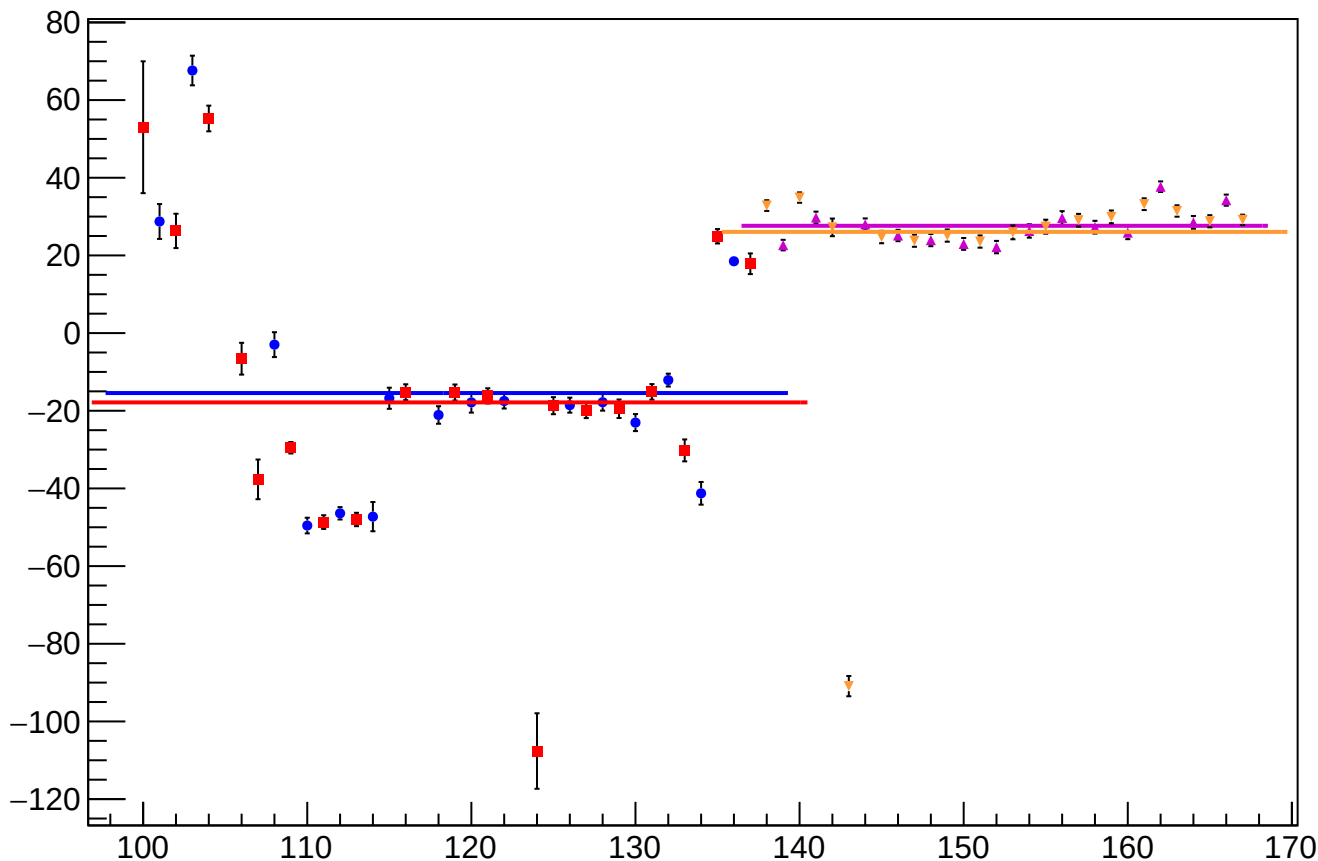
Left In: 125.527 $\pm$ 0.048 χ^2 /NDF: 4621.7/13

+ sign 118.009 $\pm$ 0.039 χ^2 /NDF: 292829.4/31

All: 117.695 $\pm$ 0.028 χ^2 /NDF: 556981.8/64

- sign 117.366 $\pm$ 0.039 χ^2 /NDF: 264016.7/32

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: 26.061 ± 0.401 χ^2/NDF : 2131.1/15

Right Out: -17.848 ± 0.530 χ^2/NDF : 2125.2/18

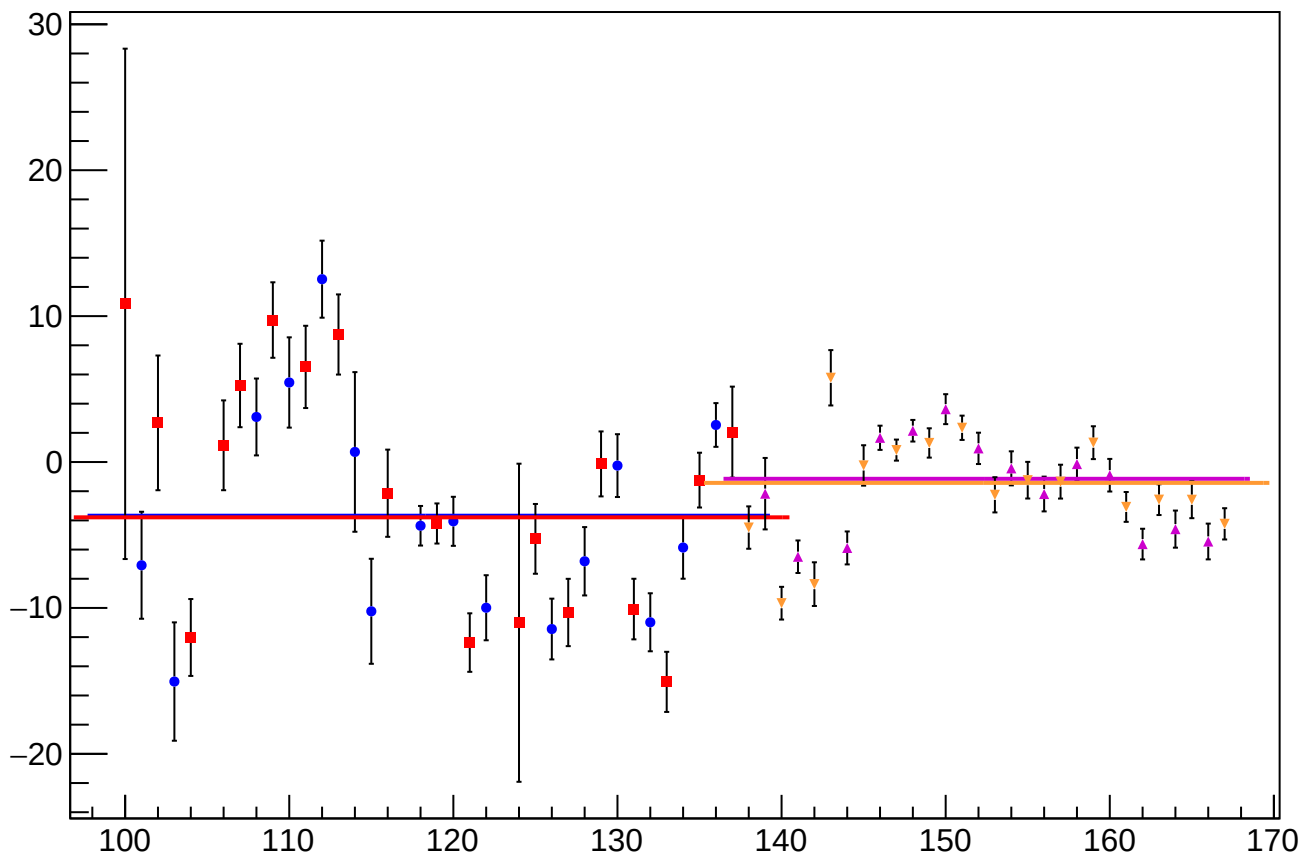
Left In: 27.629 ± 0.413 χ^2/NDF : 124.1/13

+ sign 11.299 ± 0.322 χ^2/NDF : 8073.9/31

All: 10.882 ± 0.229 χ^2/NDF : 14915.0/64

- sign 10.454 ± 0.325 χ^2/NDF : 6837.7/32

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679 ± 0.552 χ^2/NDF : 124.0/15

Left Out: -1.429 ± 0.276 χ^2/NDF : 150.9/15

Right Out: -3.790 ± 0.564 χ^2/NDF : 161.2/18

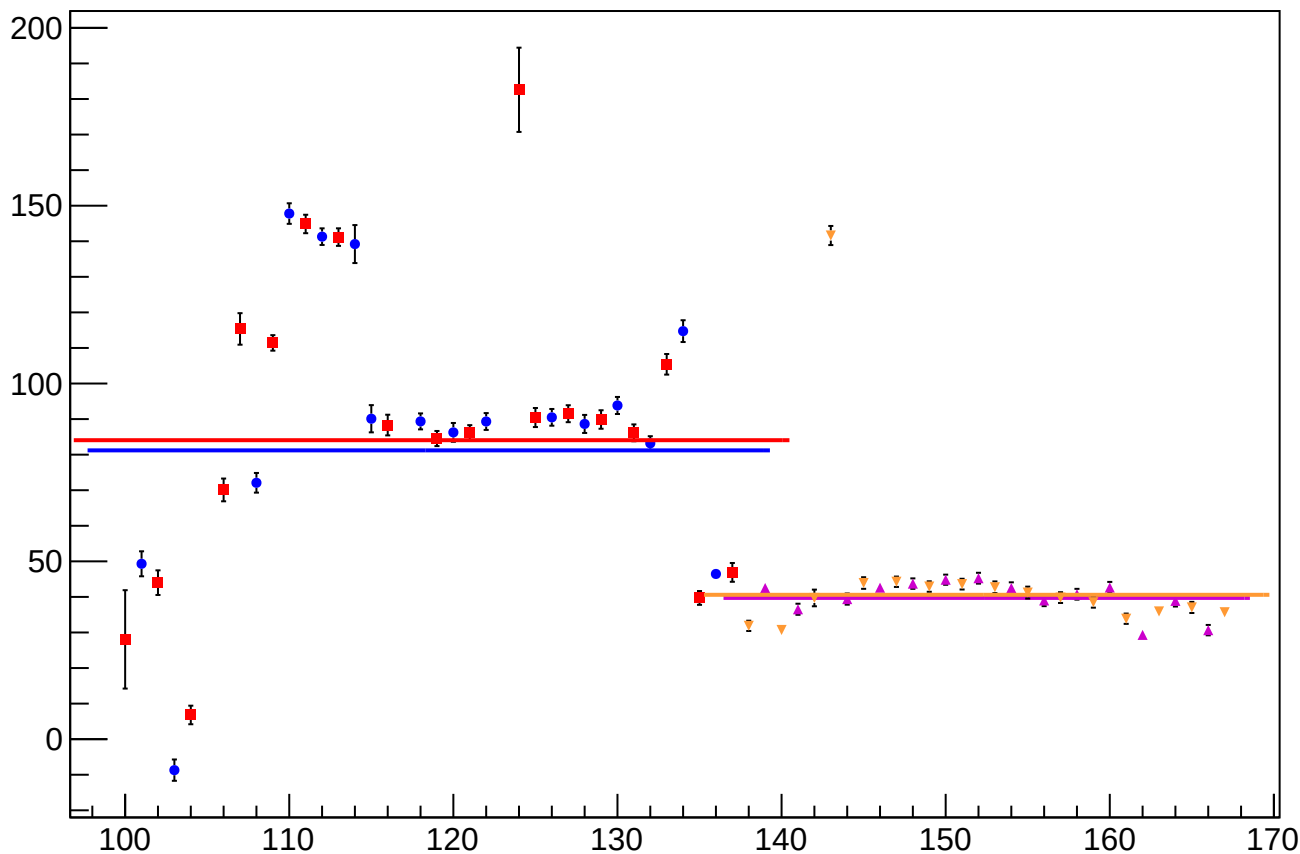
Left In: -1.150 ± 0.288 χ^2/NDF : 137.2/13

+ sign -1.880 ± 0.247 χ^2/NDF : 288.1/31

All: -1.792 ± 0.178 χ^2/NDF : 604.2/64

- sign -1.696 ± 0.256 χ^2/NDF : 315.8/32

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203 $\pm$ 0.607 χ^2/NDF : 3230.5/15

Left Out: 40.593 $\pm$ 0.390 χ^2/NDF : 1573.0/15

Right Out: 84.065 $\pm$ 0.616 χ^2/NDF : 3206.5/18

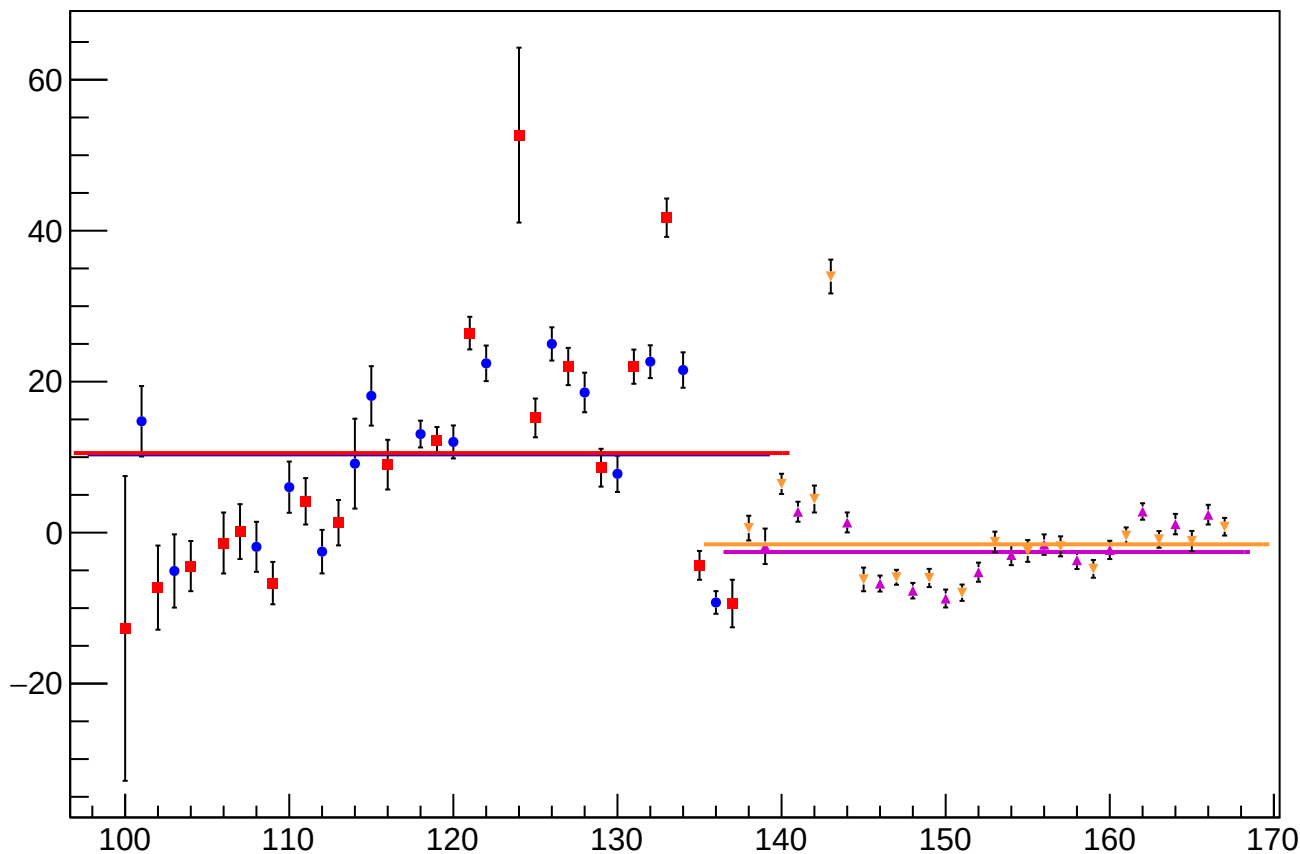
Left In: 39.720 $\pm$ 0.400 χ^2/NDF : 154.6/13

+ sign 52.461 $\pm$ 0.328 χ^2/NDF : 7970.9/31

All: 52.648 $\pm$ 0.235 χ^2/NDF : 14978.3/64

- sign 52.843 $\pm$ 0.335 χ^2/NDF : 7006.7/32

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: -1.549 $\pm$ 0.321 χ^2/NDF : 390.0/15

Right Out: 10.539 $\pm$ 0.640 χ^2/NDF : 470.7/18

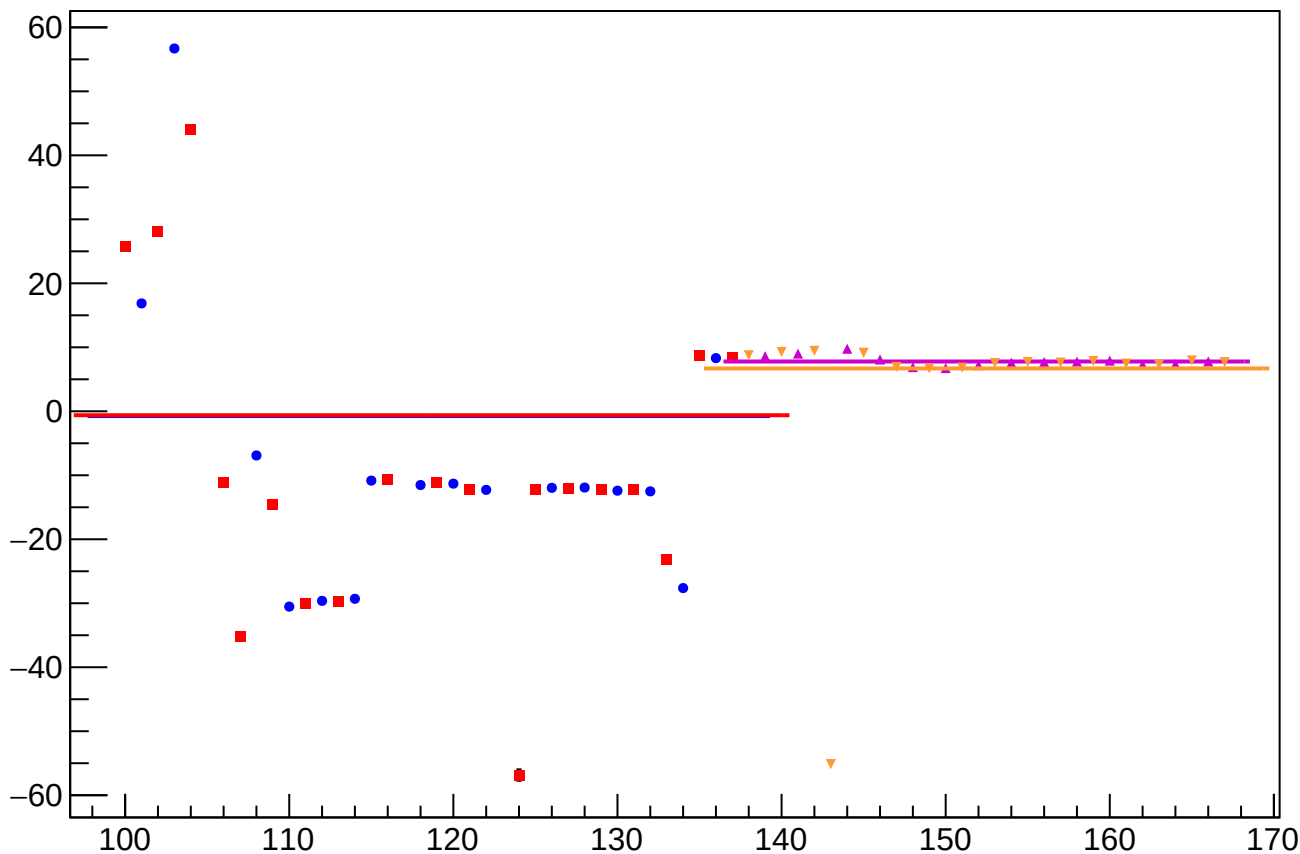
Left In: -2.569 $\pm$ 0.334 χ^2/NDF : 144.6/13

+ sign 0.933 $\pm$ 0.286 χ^2/NDF : 1036.2/31

All: 0.595 $\pm$ 0.206 χ^2/NDF : 1984.0/64

- sign 0.233 $\pm$ 0.296 χ^2/NDF : 944.9/32

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: -0.745 ± 0.036 χ^2/NDF : 367993.9/15

Left Out: 6.698 ± 0.015 χ^2/NDF : 314074.9/15

Right Out: -0.618 ± 0.037 χ^2/NDF : 316492.6/18

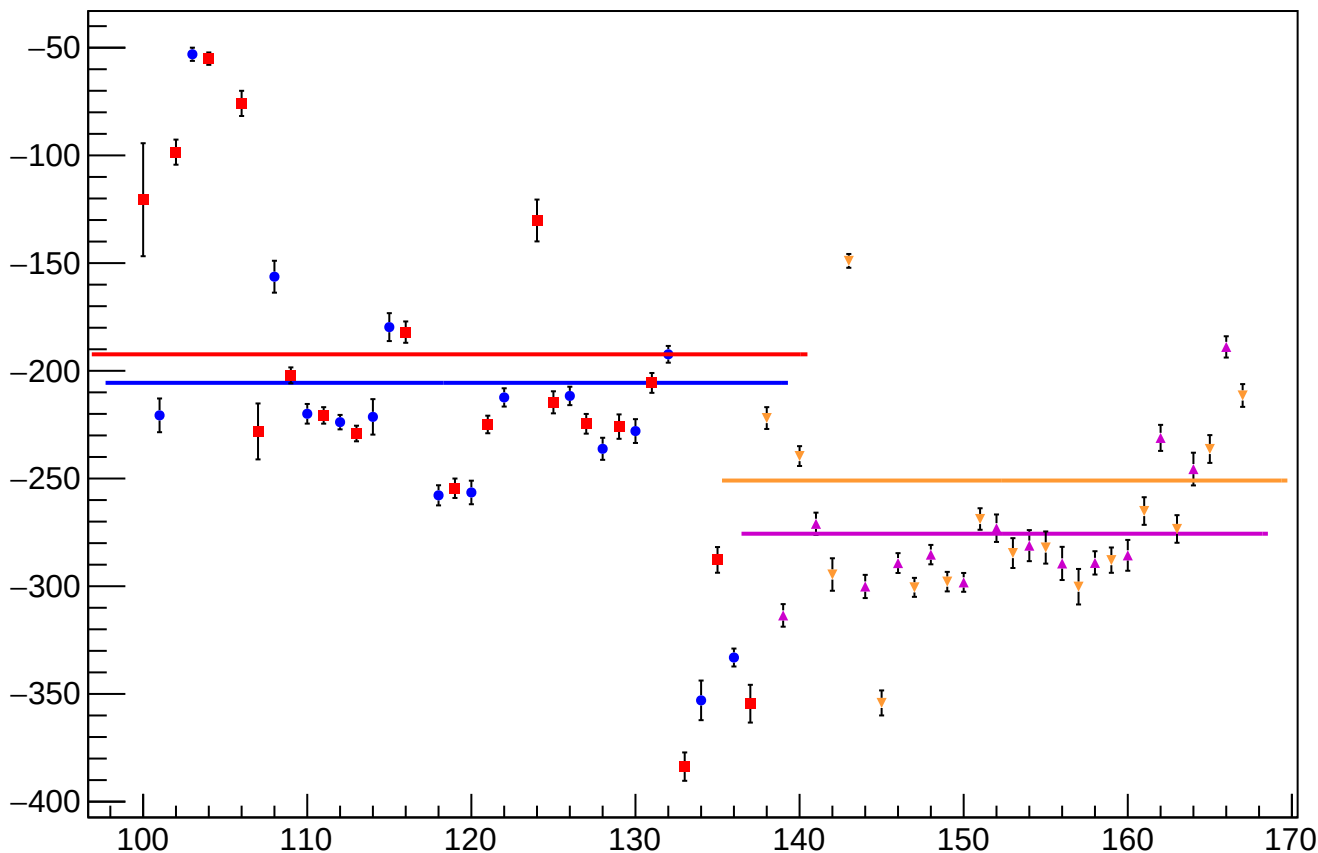
Left In: 7.781 ± 0.015 χ^2/NDF : 2291.7/13

+ sign 5.633 ± 0.014 χ^2/NDF : 718946.4/31

All: 6.107 ± 0.010 χ^2/NDF : 1083797.9/64

- sign 6.608 ± 0.014 χ^2/NDF : 362339.9/32

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: -250.934+/-1.334 χ^2/NDF : 1840.1/15

Right Out: -192.345+/-1.123 χ^2/NDF : 4969.8/18

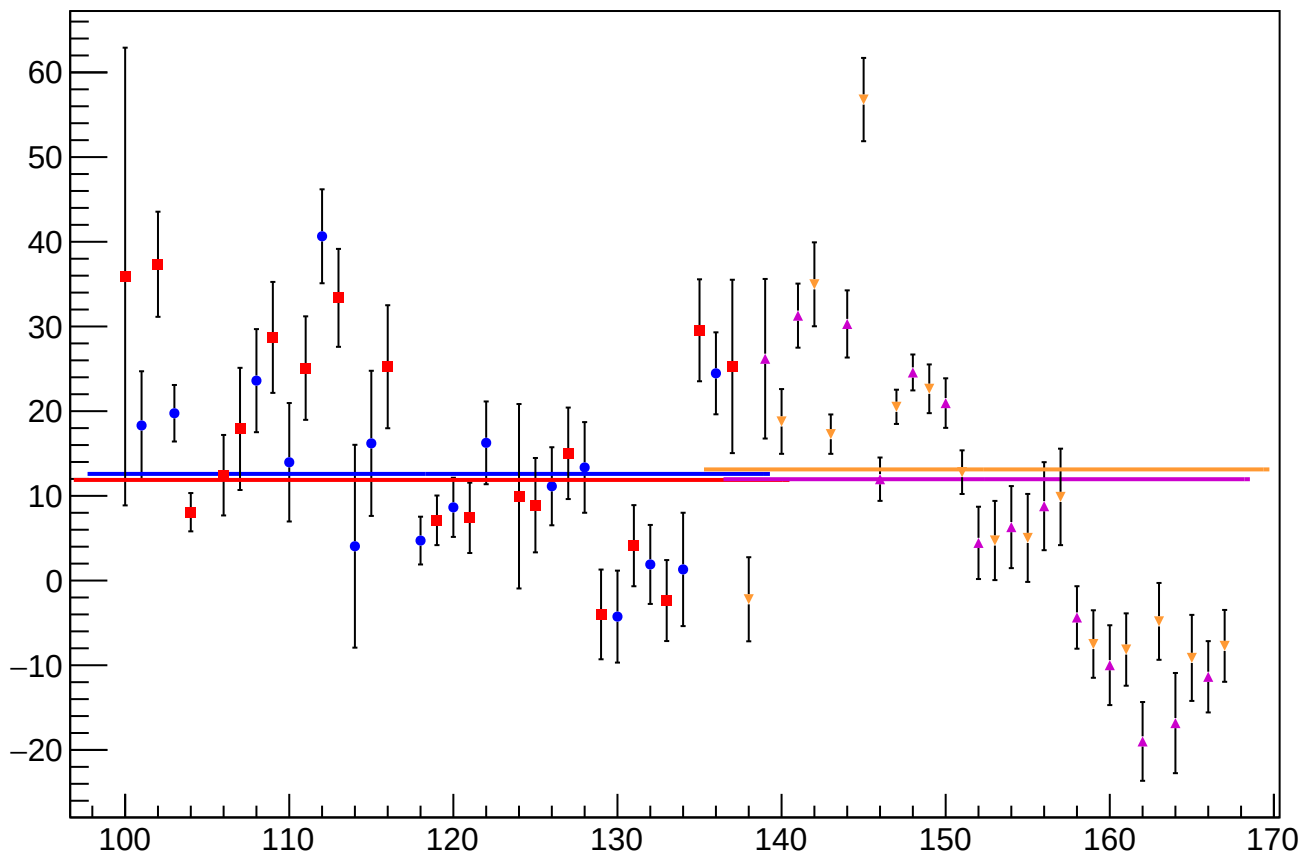
Left In: -275.624+/-1.479 χ^2/NDF : 503.7/13

+ sign -225.574+/-0.886 χ^2/NDF : 6542.3/31

All: -224.187+/-0.629 χ^2/NDF : 14031.9/64

- sign -222.772+/-0.894 χ^2/NDF : 7484.6/32

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: 13.123 $\pm$ 0.889 χ^2 /NDF: 254.0/15

Right Out: 11.880 $\pm$ 1.122 χ^2 /NDF: 84.9/18

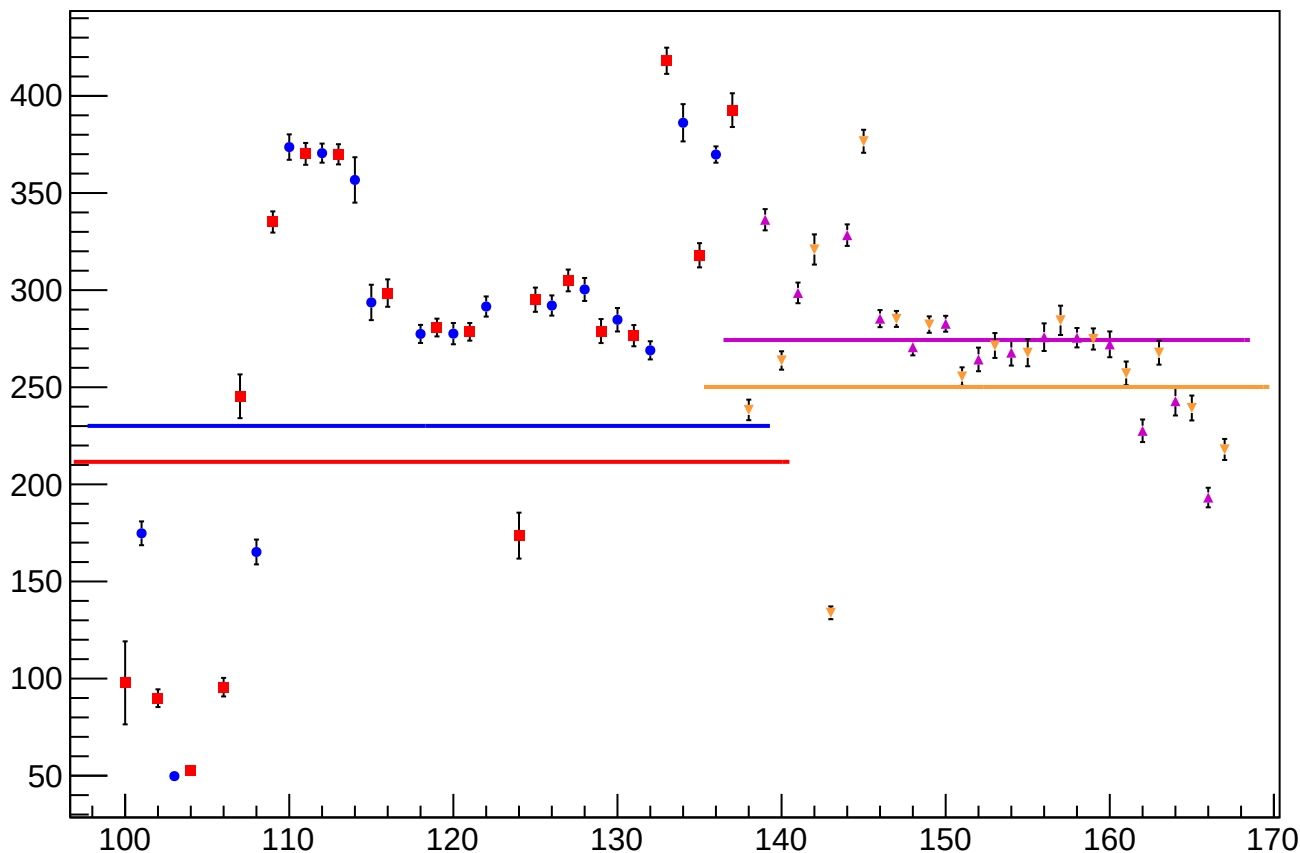
Left In: 11.966 $\pm$ 0.990 χ^2 /NDF: 239.3/13

+ sign 12.936 $\pm$ 0.715 χ^2 /NDF: 322.7/31

All: 12.451 $\pm$ 0.515 χ^2 /NDF: 647.9/64

- sign 11.928 $\pm$ 0.742 χ^2 /NDF: 324.3/32

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: 250.143 $\pm$ 1.308 χ^2 /NDF:2032.9/15

Right Out: 211.588 $\pm$ 1.195 χ^2 /NDF: 11472.1/18

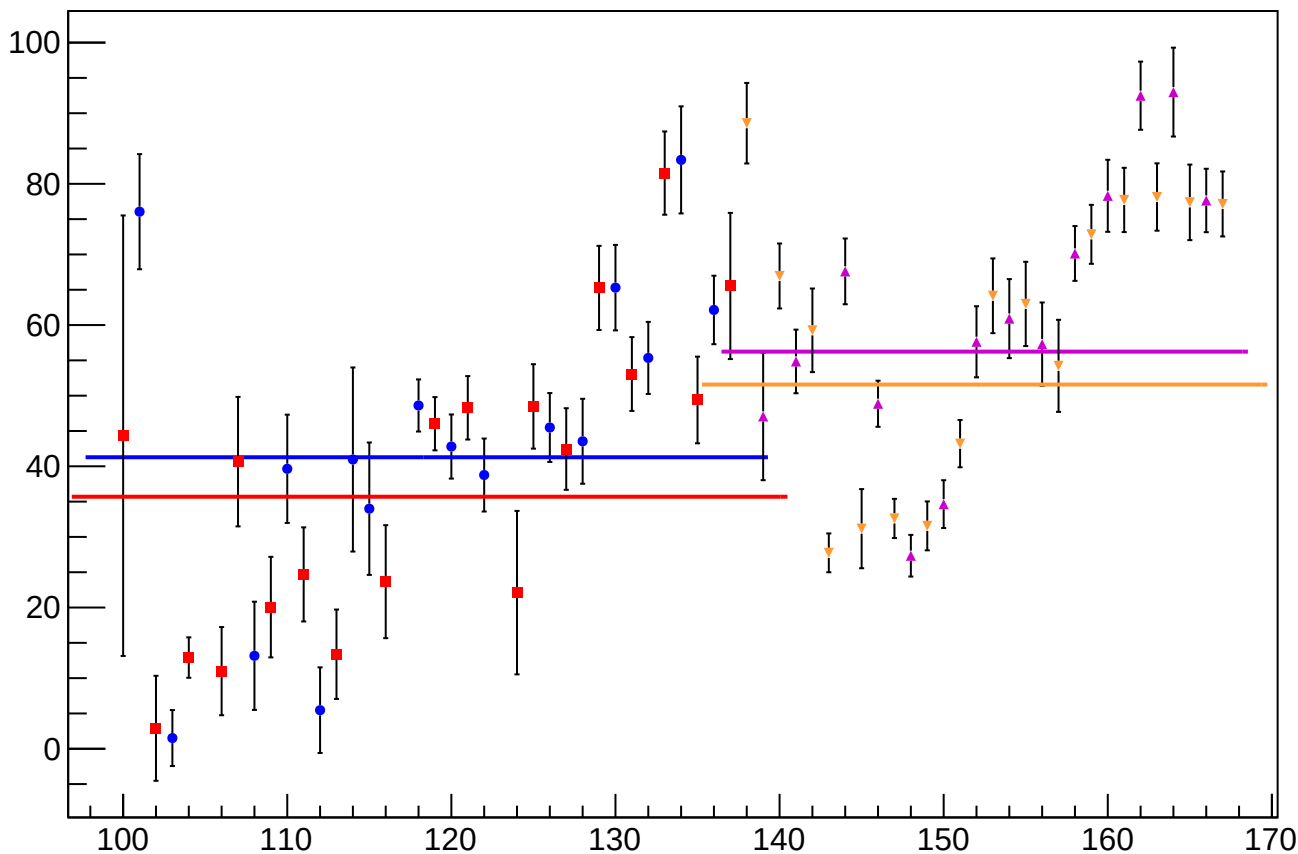
Left In: 274.332 $\pm$ 1.431 χ^2 /NDF:600.8/13

+ sign 239.743 $\pm$ 0.907 χ^2 /NDF: 11530.5/31

All: 238.575 $\pm$ 0.645 χ^2 /NDF: 24739.5/64

- sign 237.379 $\pm$ 0.917 χ^2 /NDF: 13205.6/32

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: 51.575 $\pm$ 1.059 χ^2/NDF : 383.3/15

Right Out: 35.692 $\pm$ 1.317 χ^2/NDF : 253.2/18

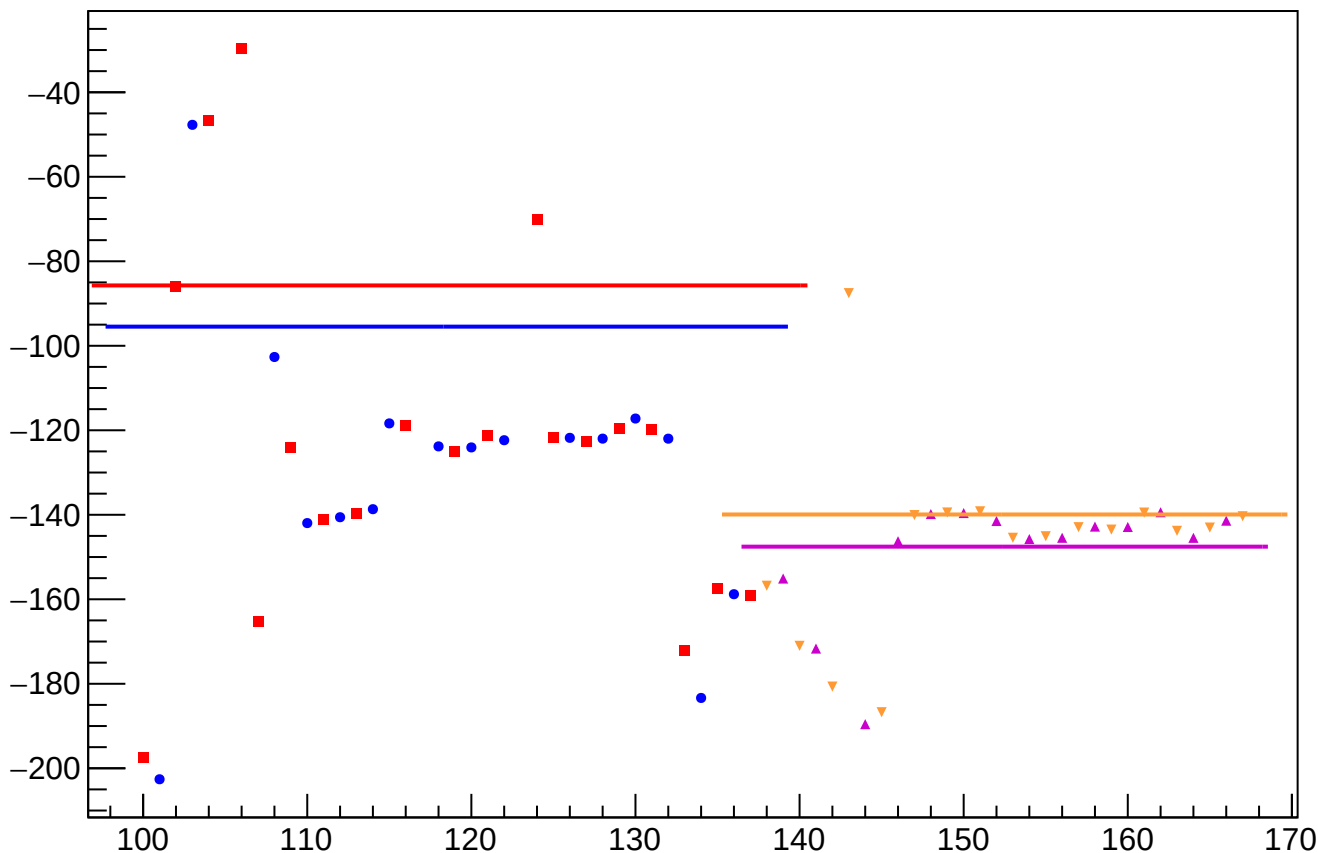
Left In: 56.237 $\pm$ 1.173 χ^2/NDF : 294.4/13

+ sign 47.822 $\pm$ 0.844 χ^2/NDF : 663.5/31

All: 47.496 $\pm$ 0.608 χ^2/NDF : 1347.0/64

- sign 47.145 $\pm$ 0.876 χ^2/NDF : 683.2/32

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: -139.929 $\pm$ 0.051 χ^2 /NDF: 231493.3/15

Right Out: -85.716 $\pm$ 0.067 χ^2 /NDF: 482604.9/18

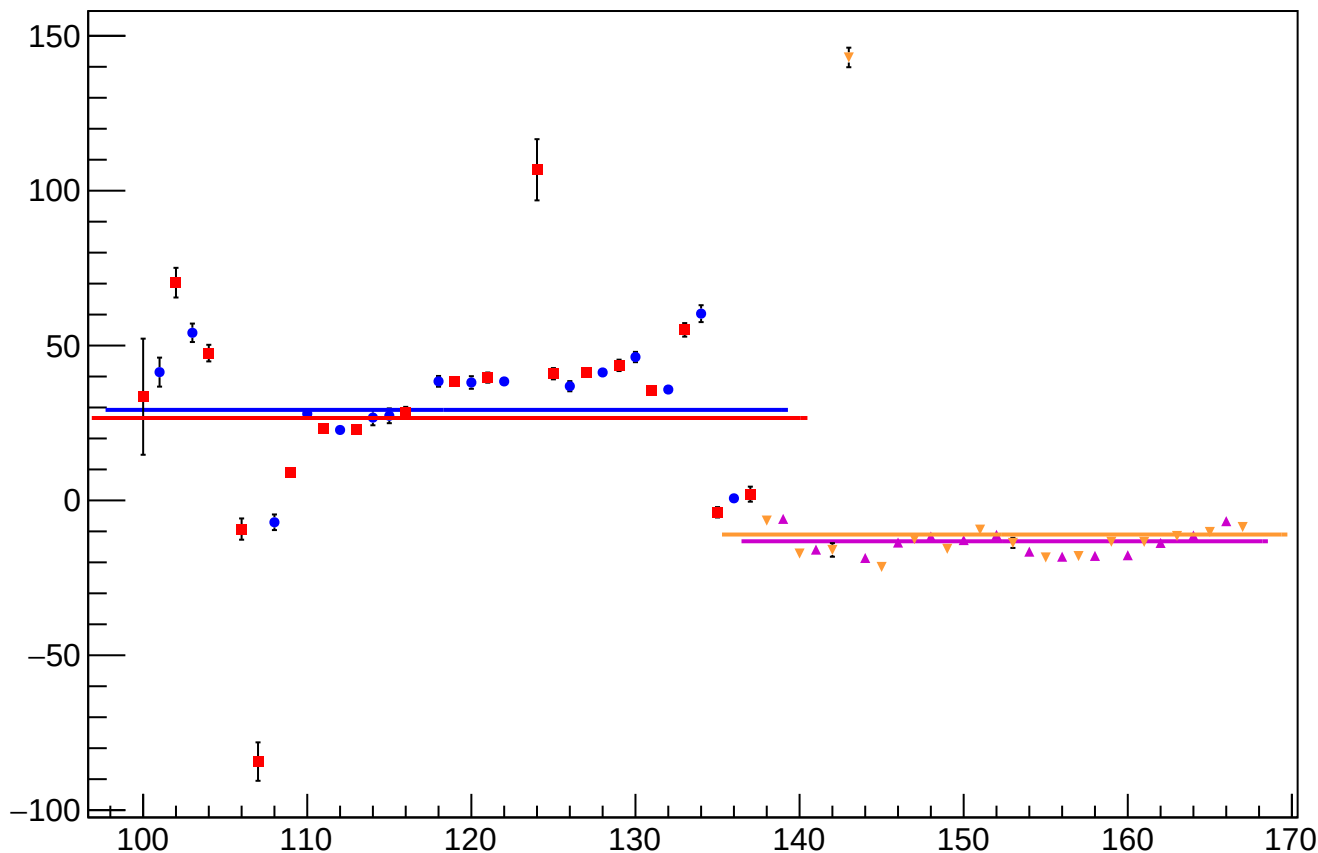
Left In: -147.544 $\pm$ 0.055 χ^2 /NDF: 51144.9/13

+ sign -124.324 $\pm$ 0.041 χ^2 /NDF: 1017425.7/31

All: -123.514 $\pm$ 0.030 χ^2 /NDF: 2061430.3/64

- sign -122.649 $\pm$ 0.042 χ^2 /NDF: 1043202.7/32

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229 ± 0.424 χ^2/NDF : 1342.9/15

Left Out: -11.015 ± 0.375 χ^2/NDF : 2534.4/15

Right Out: 26.609 ± 0.414 χ^2/NDF : 1920.6/18

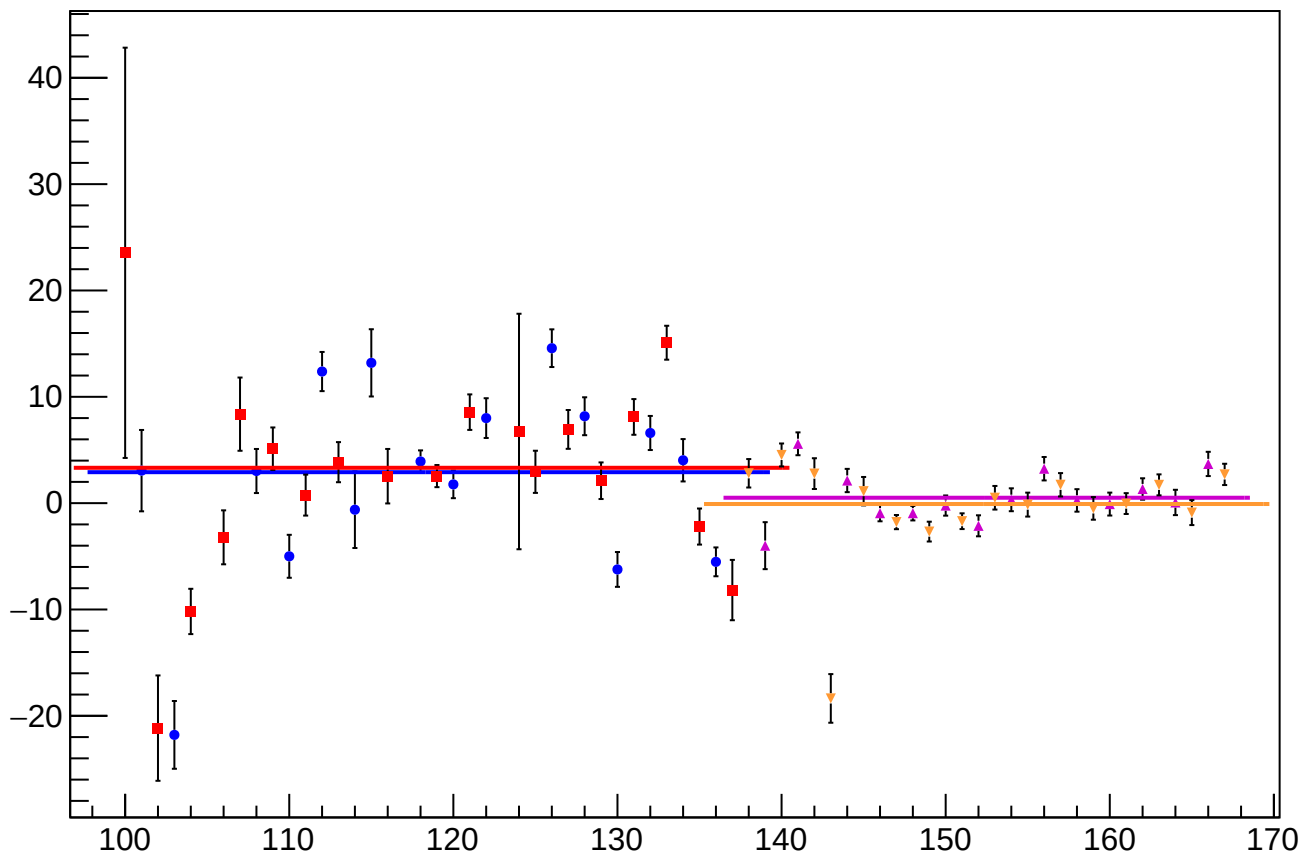
Left In: -13.194 ± 0.385 χ^2/NDF : 111.0/13

+ sign 6.657 ± 0.281 χ^2/NDF : 8923.6/31

All: 5.974 ± 0.199 χ^2/NDF : 15917.1/64

- sign 5.285 ± 0.282 χ^2/NDF : 6981.5/32

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: -0.081 ± 0.258 χ^2/NDF : 125.3/15

Right Out: 3.326 ± 0.454 χ^2/NDF : 181.8/18

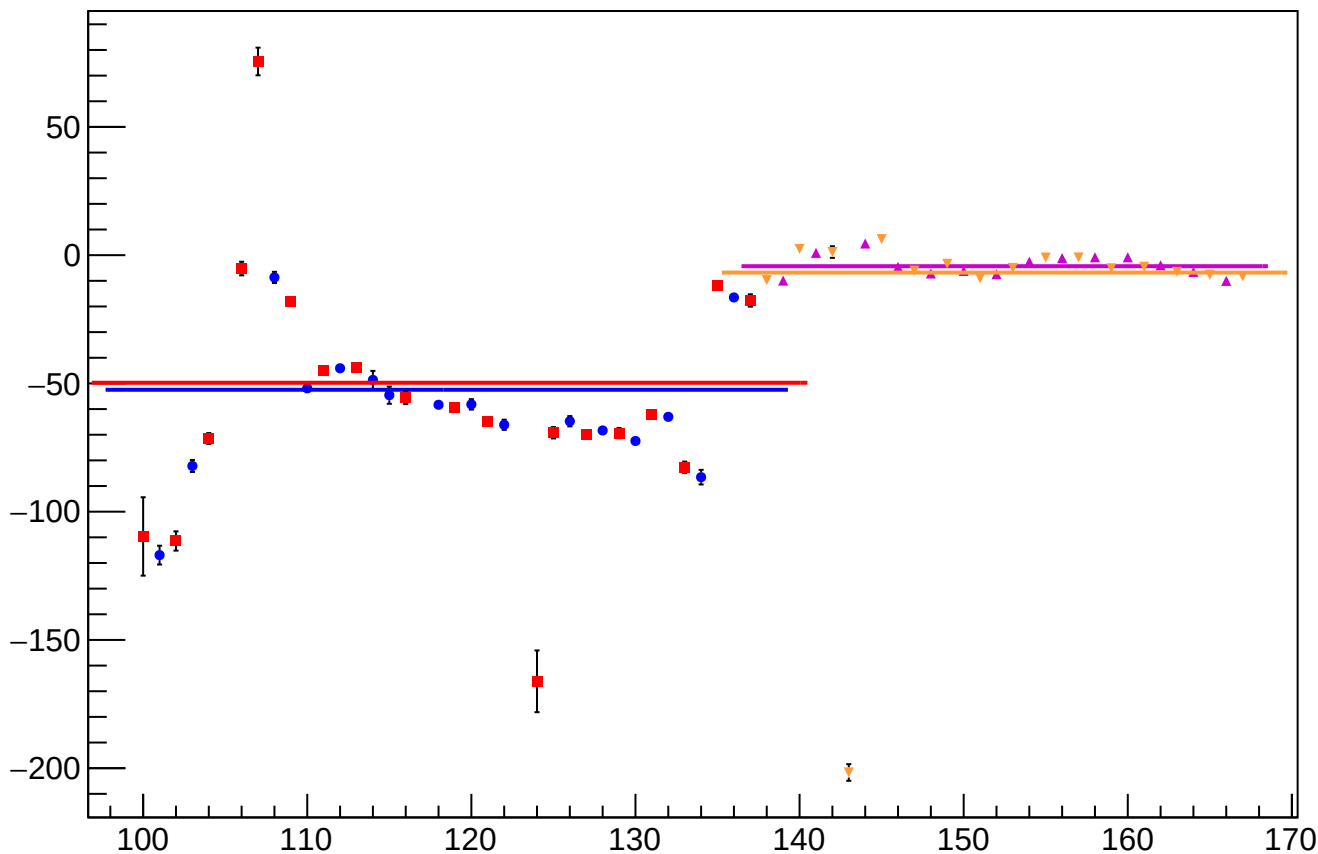
Left In: 0.509 ± 0.269 χ^2/NDF : 59.6/13

+ sign 0.680 ± 0.223 χ^2/NDF : 409.4/31

All: 0.951 ± 0.161 χ^2/NDF : 682.3/64

- sign 1.243 ± 0.231 χ^2/NDF : 269.9/32

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -52.467 ± 0.488 $\chi^2/\text{NDF}: 2330.2/15$

Left Out: -6.784 ± 0.365 $\chi^2/\text{NDF}: 3789.6/15$

Right Out: -49.734 ± 0.494 $\chi^2/\text{NDF}: 3009.7/18$

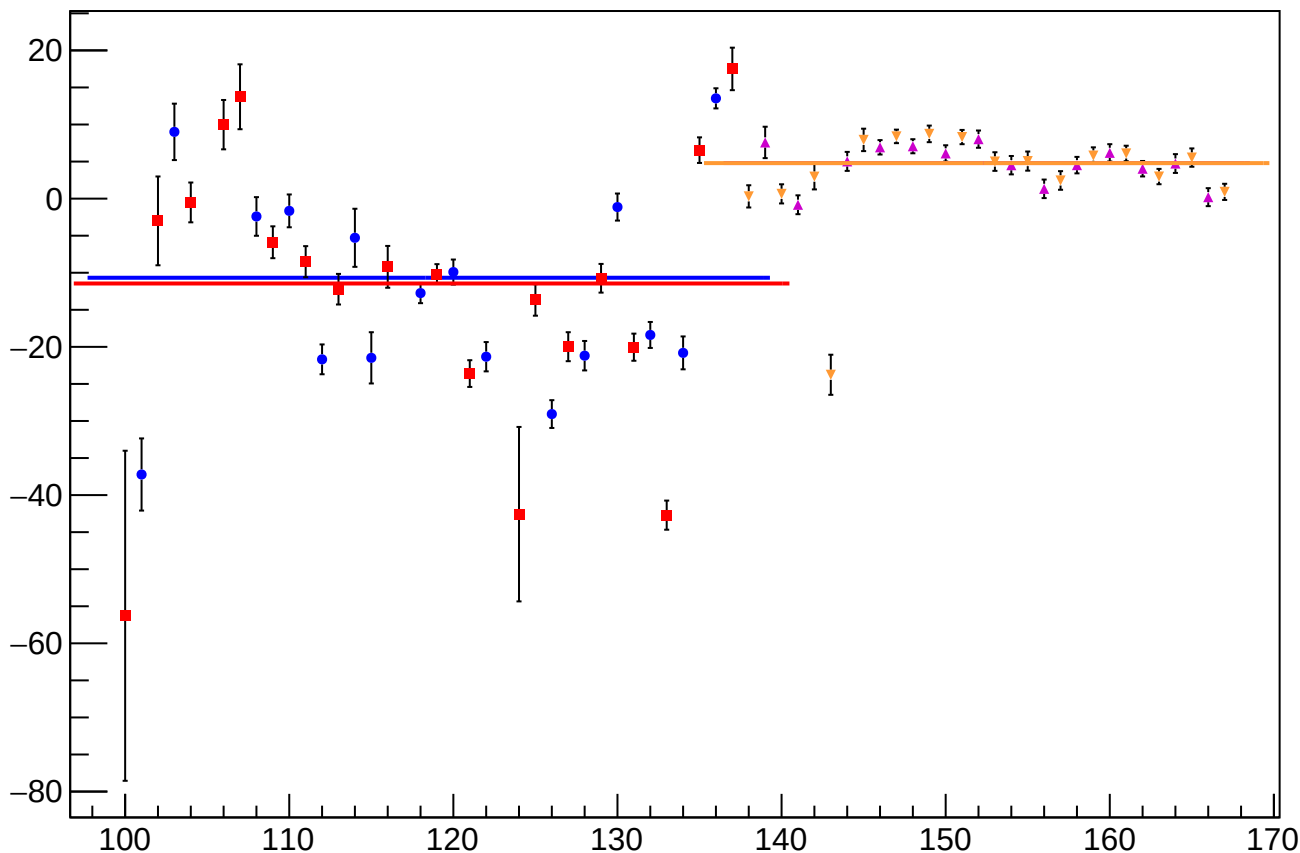
Left In: -4.302 ± 0.373 $\chi^2/\text{NDF}: 113.7/13$

+ sign -23.196 ± 0.292 $\chi^2/\text{NDF}: 11739.9/31$

All: -22.025 ± 0.209 $\chi^2/\text{NDF}: 20279.8/64$

- sign -20.810 ± 0.298 $\chi^2/\text{NDF}: 8507.2/32$

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: 4.793 ± 0.301 χ^2/NDF : 199.5/15

Right Out: -11.450 ± 0.516 χ^2/NDF : 665.7/18

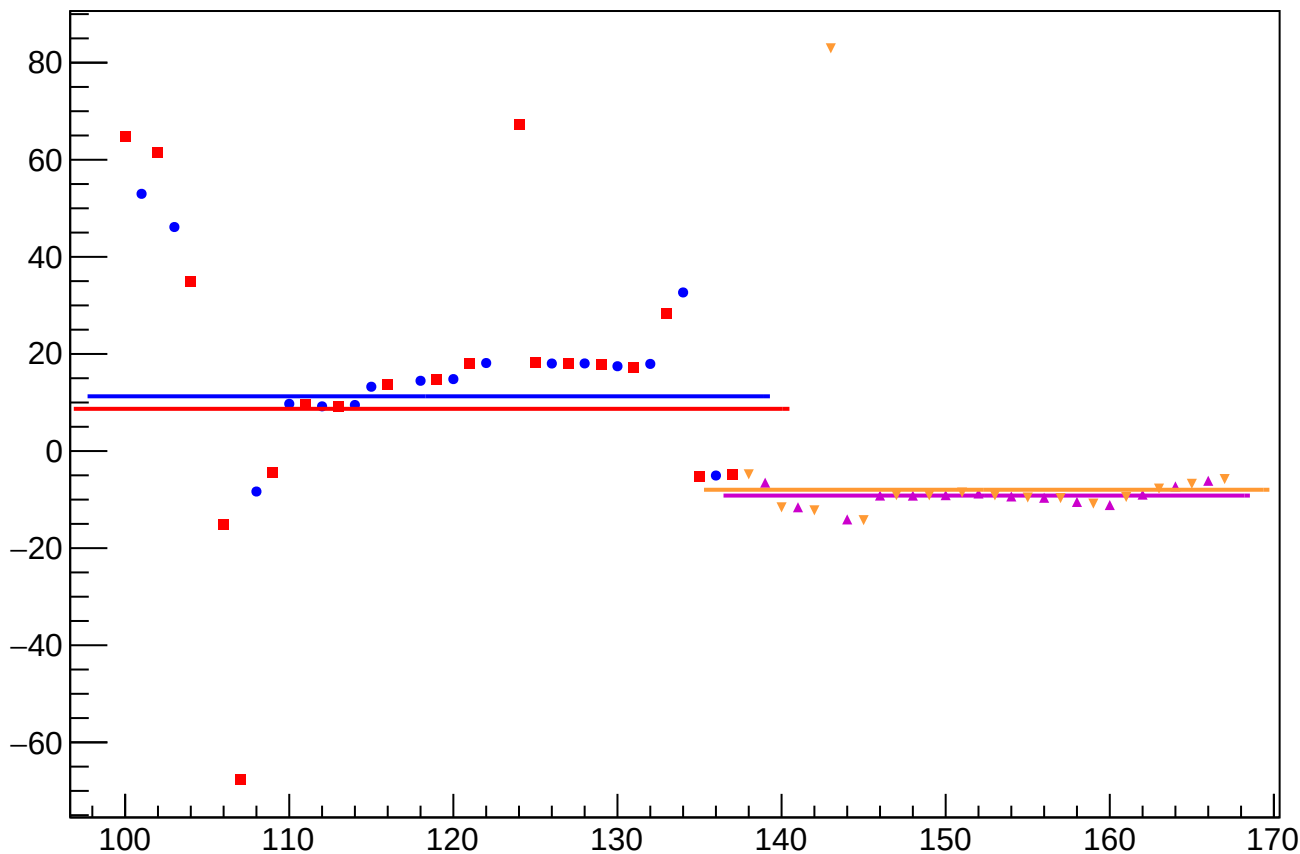
Left In: 4.802 ± 0.312 χ^2/NDF : 65.0/13

+ sign 0.748 ± 0.258 χ^2/NDF : 1557.5/31

All: 0.600 ± 0.186 χ^2/NDF : 3014.7/64

- sign 0.442 ± 0.267 χ^2/NDF : 1456.5/32

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2 /NDF: 349346.9/15

Left Out: -7.971+/-0.014 χ^2 /NDF:483436.6/15

Right Out: 8.698+/-0.031 χ^2 /NDF: 436156.0/18

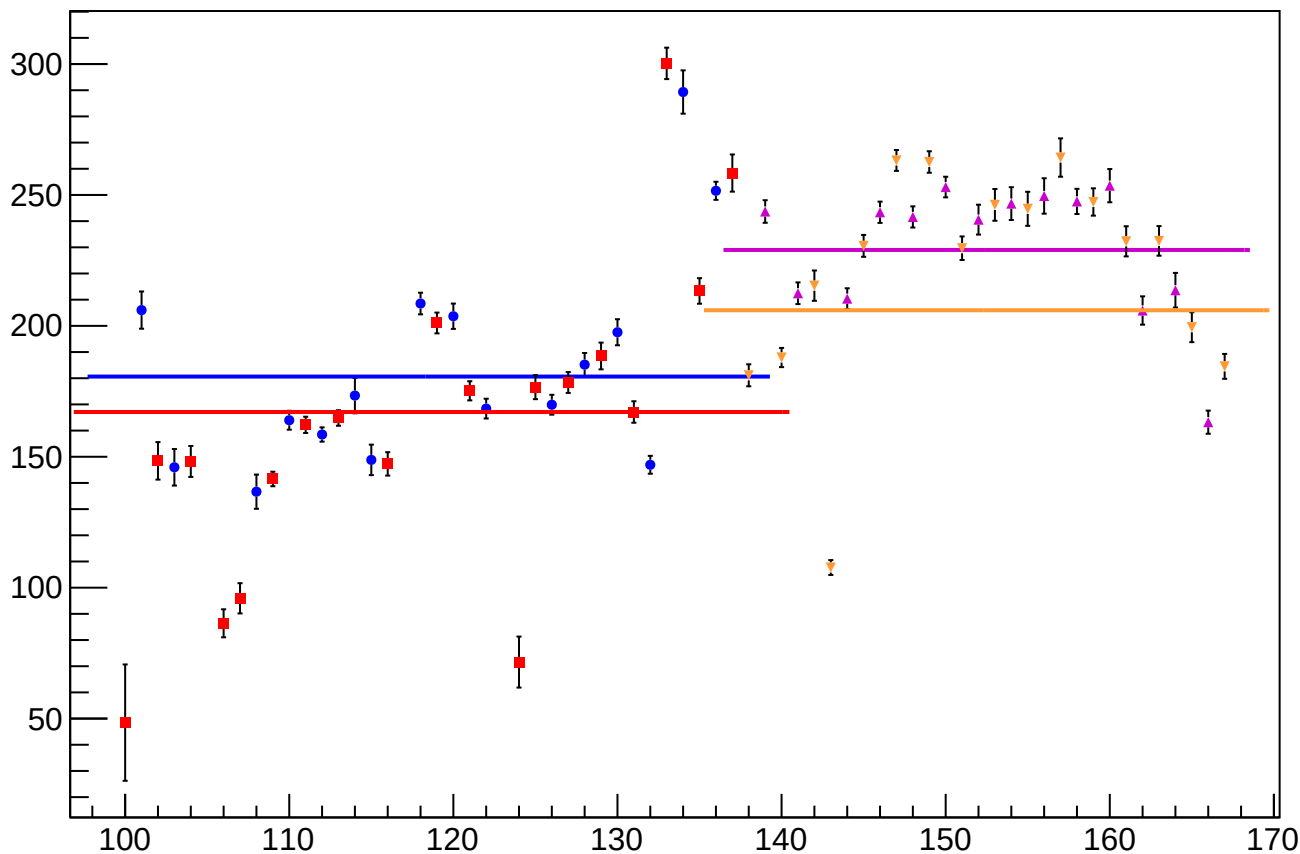
Left In: -9.171+/-0.014 χ^2 /NDF:16594.2/13

+ sign -4.633+/-0.012 χ^2 /NDF: 1174811.1/31

All: -5.394+/-0.009 χ^2 /NDF: 1904858.0/64

- sign -6.199+/-0.013 χ^2 /NDF: 722368.5/32

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: 205.953 $\pm$ 1.150 χ^2/NDF :1986.3/15

Right Out: 167.102 $\pm$ 1.021 χ^2/NDF : 1484.6/18

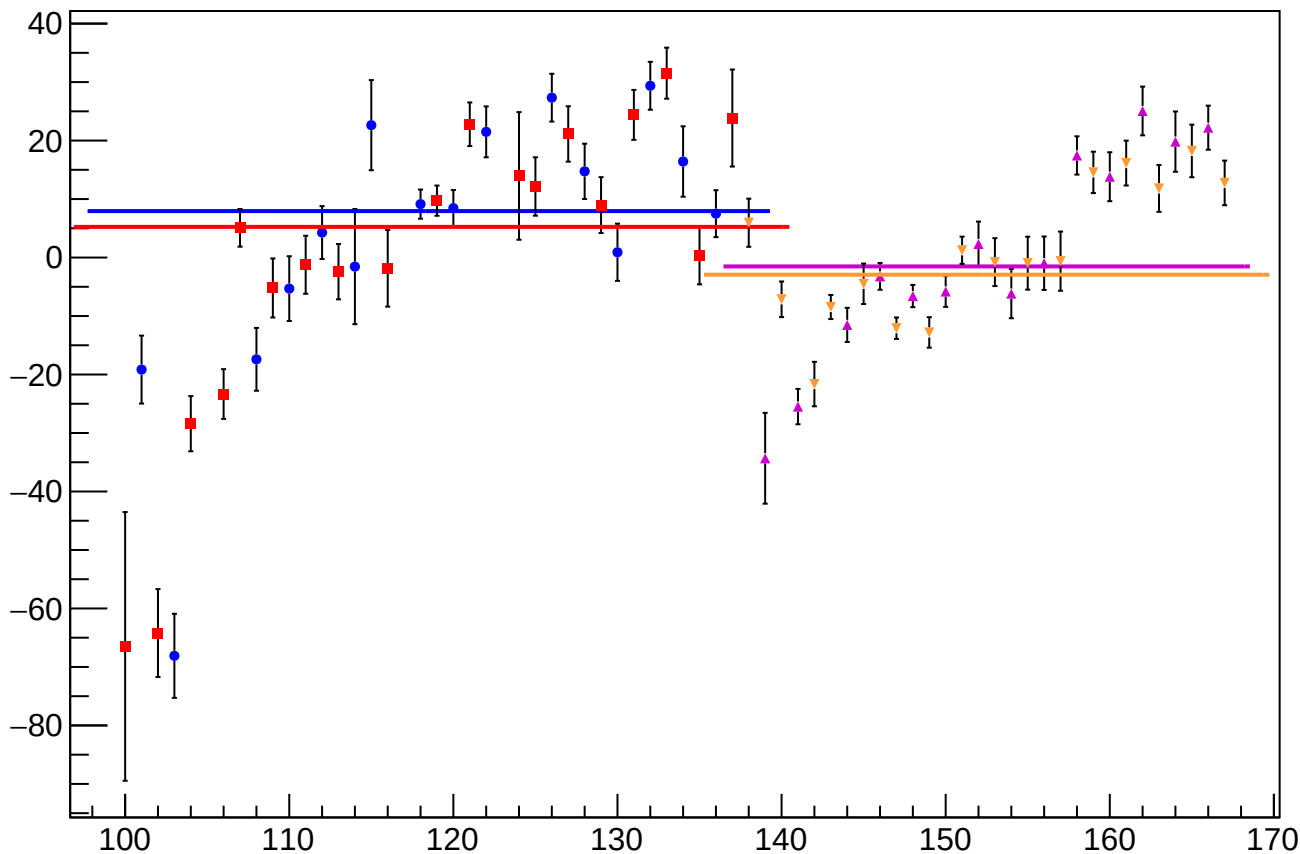
Left In: 228.990 $\pm$ 1.273 χ^2/NDF :405.5/13

+ sign 192.612 $\pm$ 0.791 χ^2/NDF : 3235.1/31

All: 191.968 $\pm$ 0.561 χ^2/NDF : 6564.5/64

- sign 191.315 $\pm$ 0.796 χ^2/NDF : 3328.1/32

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: -2.933 ± 0.776 χ^2/NDF : 183.2/15

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

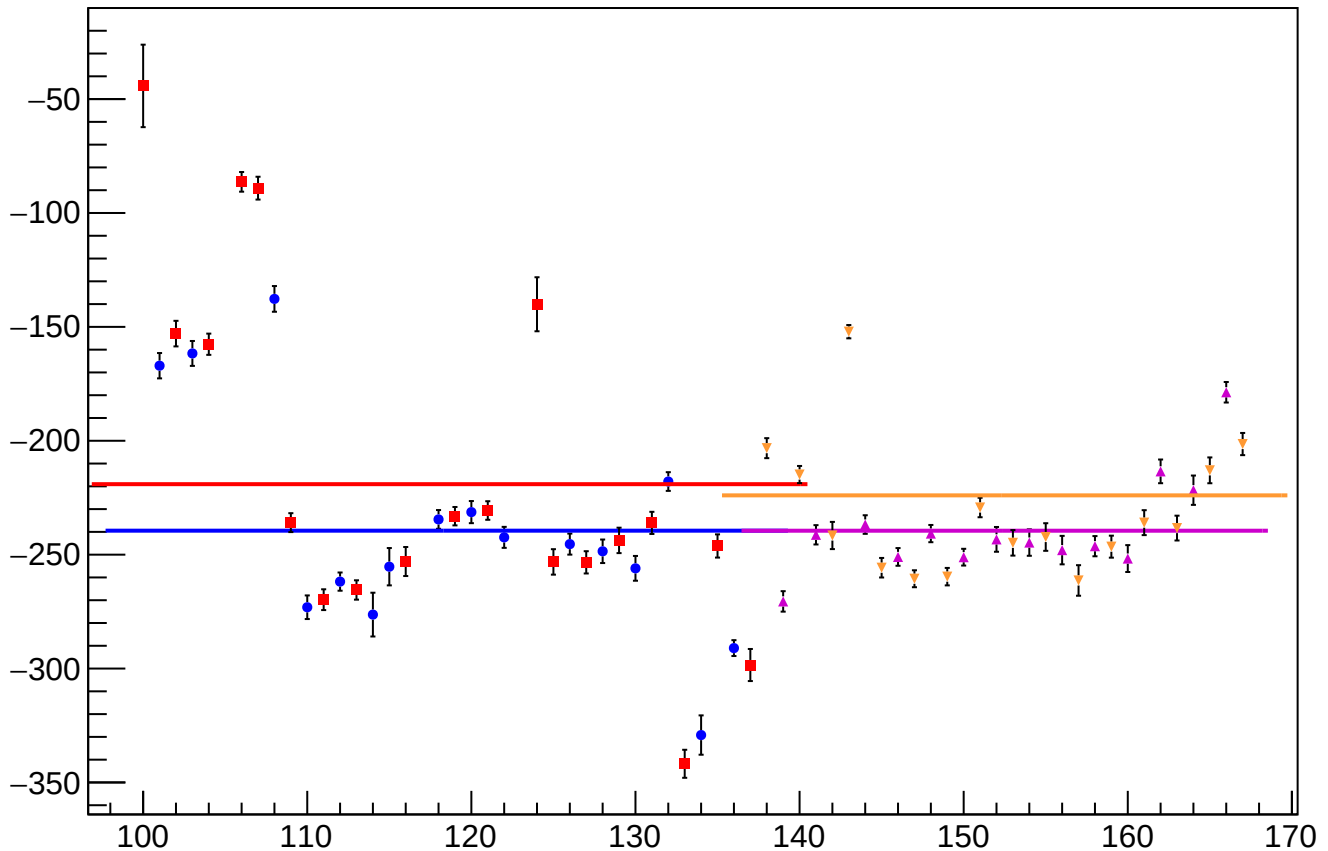
Left In: -1.517 ± 0.863 χ^2/NDF : 249.5/13

+ sign 0.623 ± 0.637 χ^2/NDF : 480.3/31

All: 0.882 ± 0.461 χ^2/NDF : 1057.5/64

- sign 1.170 ± 0.670 χ^2/NDF : 576.9/32

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: -223.966 ± 1.131 χ^2/NDF : 993.8/15

Right Out: -219.053 ± 1.176 χ^2/NDF : 3049.3/18

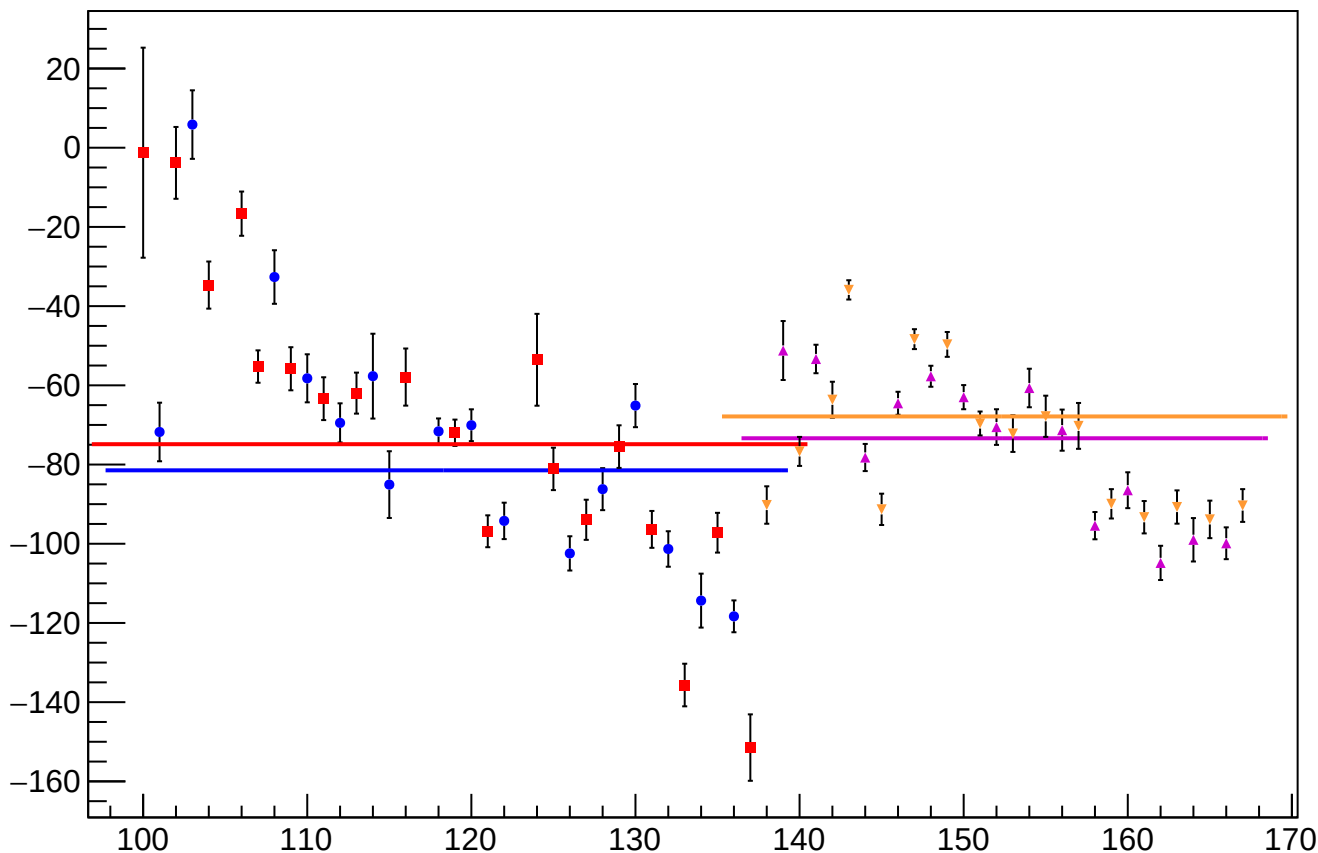
Left In: -239.487 ± 1.236 χ^2/NDF : 291.5/13

+ sign -230.975 ± 0.837 χ^2/NDF : 2240.9/31

All: -229.888 ± 0.597 χ^2/NDF : 5728.6/64

- sign -228.762 ± 0.852 χ^2/NDF : 3484.2/32

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462 ± 1.287 χ^2/NDF : 366.5/15

Left Out: -67.855 ± 0.922 χ^2/NDF : 495.0/15

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

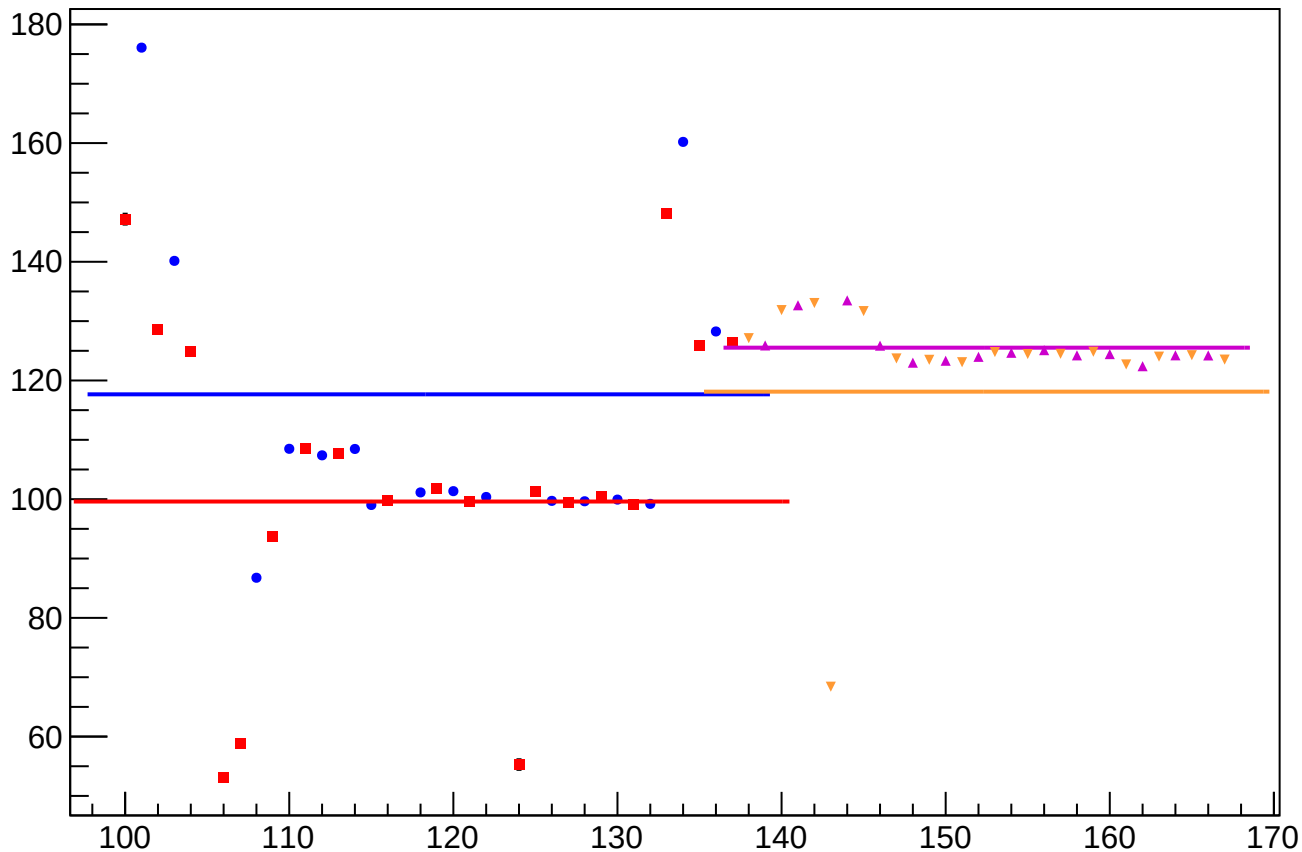
Left In: -73.365 ± 1.021 χ^2/NDF : 272.9/13

+ sign -72.473 ± 0.750 χ^2/NDF : 935.4/31

All: -73.189 ± 0.542 χ^2/NDF : 1787.6/64

- sign -73.975 ± 0.786 χ^2/NDF : 850.4/32

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 118.118 $\pm$ 0.044 χ^2 /NDF: 197406.9/15

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

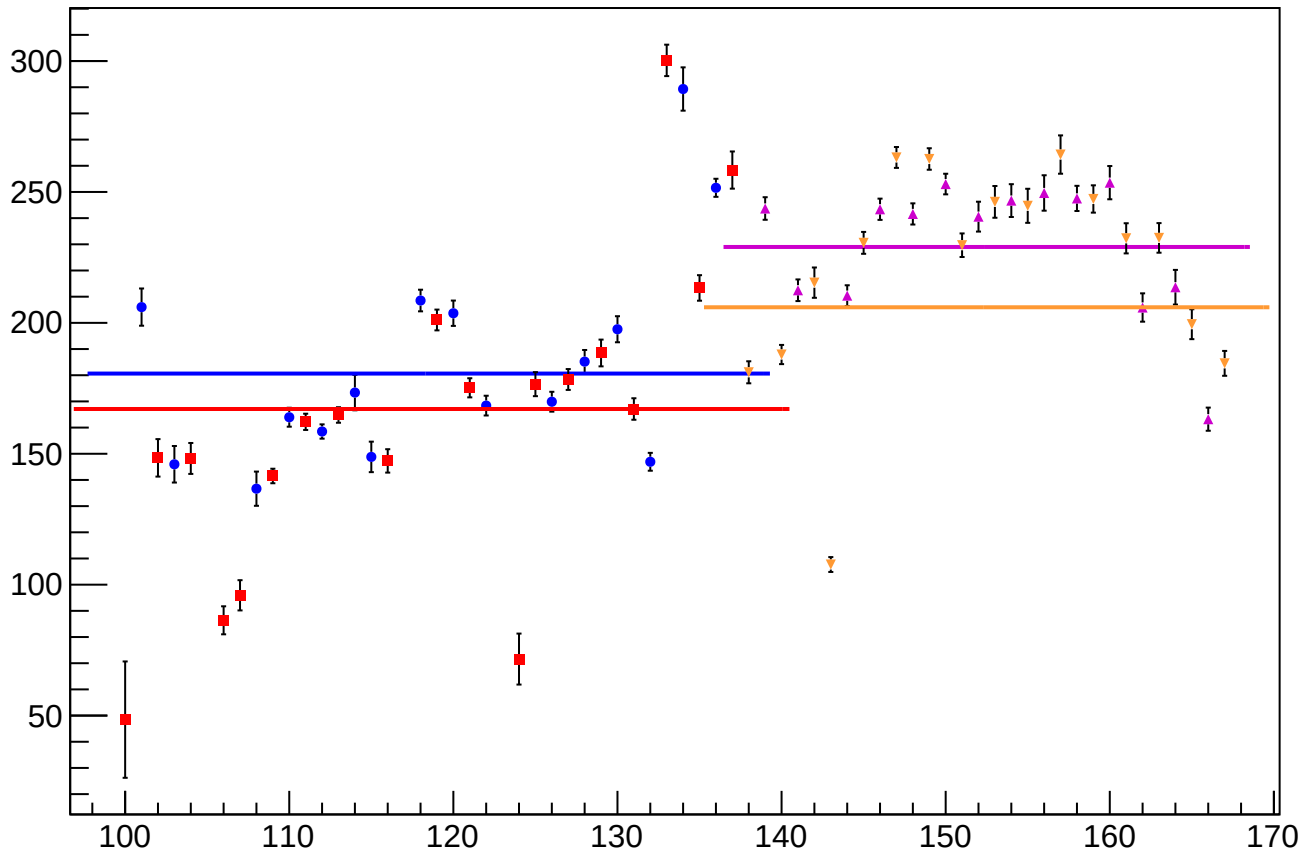
Left In: 125.527 $\pm$ 0.048 χ^2 /NDF: 4621.7/13

+ sign 118.009 $\pm$ 0.039 χ^2 /NDF: 292829.4/31

All: 117.695 $\pm$ 0.028 χ^2 /NDF: 556981.8/64

- sign 117.366 $\pm$ 0.039 χ^2 /NDF: 264016.7/32

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2/NDF : 993.4/15

Left Out: 205.953 $\pm$ 1.150 χ^2/NDF :1986.3/15

Right Out: 167.102 $\pm$ 1.021 χ^2/NDF : 1484.6/18

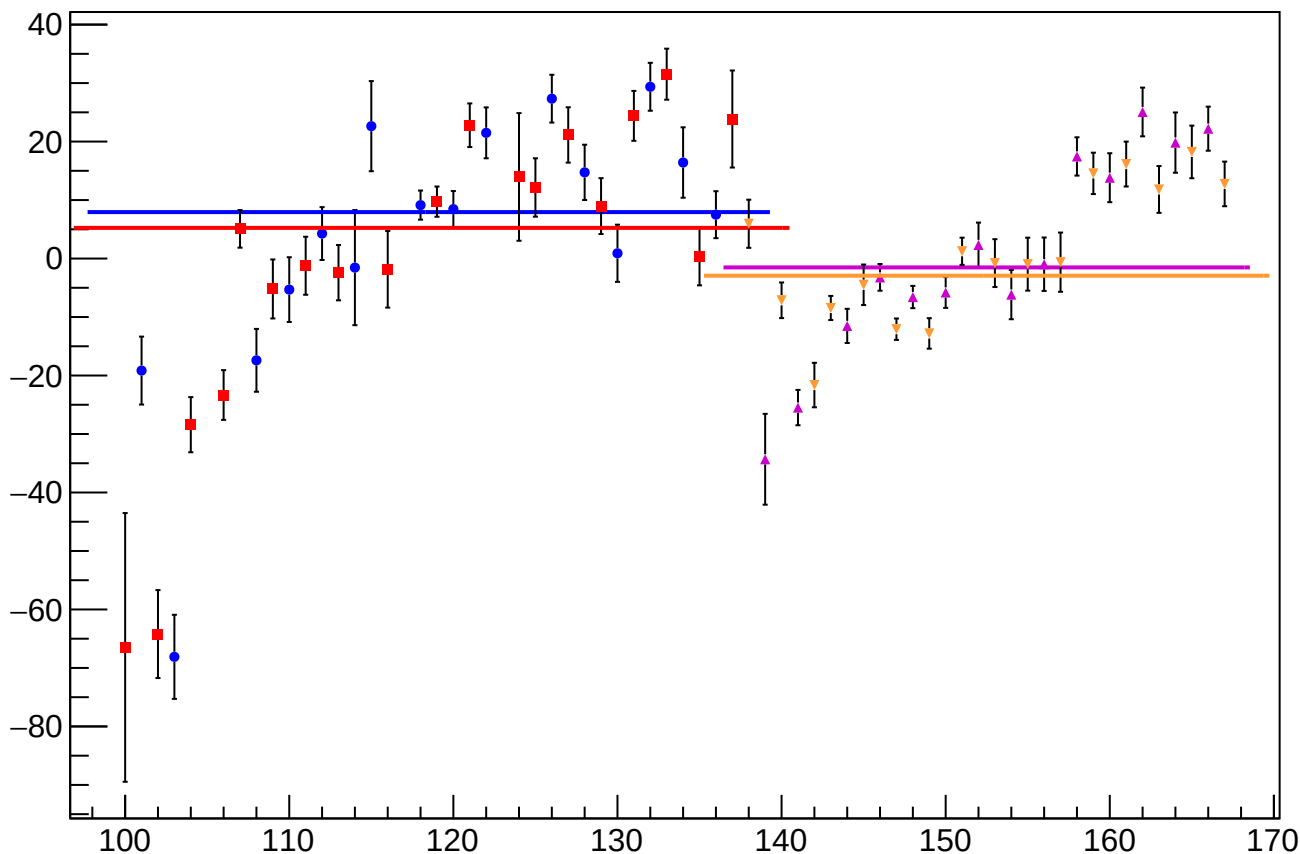
Left In: 228.990 $\pm$ 1.273 χ^2/NDF :405.5/13

+ sign 192.612 $\pm$ 0.791 χ^2/NDF : 3235.1/31

All: 191.968 $\pm$ 0.561 χ^2/NDF : 6564.5/64

- sign 191.315 $\pm$ 0.796 χ^2/NDF : 3328.1/32

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.933 ± 0.776 χ^2/NDF : 183.2/15

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

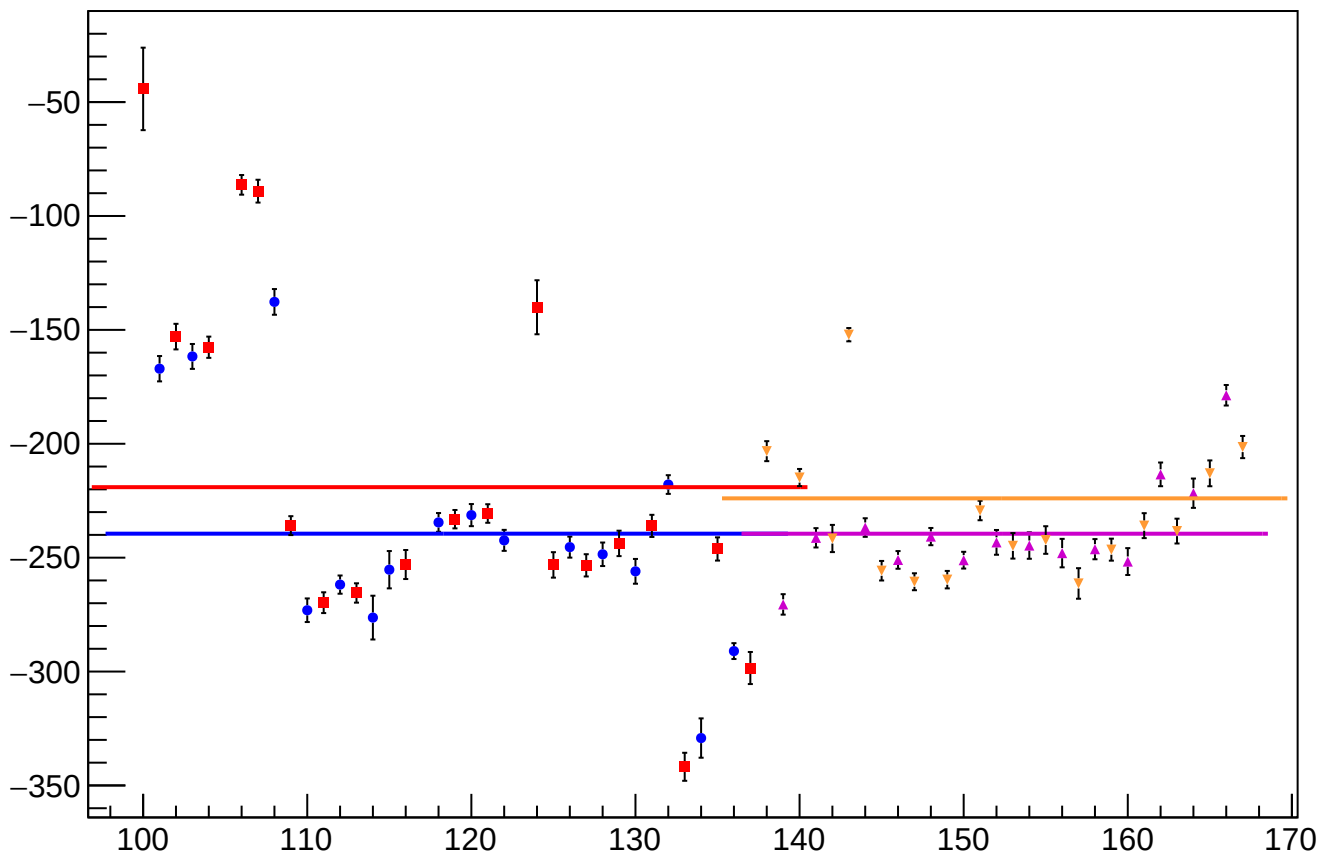
Left In: -1.517 ± 0.863 χ^2/NDF : 249.5/13

+ sign 0.623 ± 0.637 χ^2/NDF : 480.3/31

All: 0.882 ± 0.461 χ^2/NDF : 1057.5/64

- sign 1.170 ± 0.670 χ^2/NDF : 576.9/32

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: -223.966 ± 1.131 χ^2/NDF : 993.8/15

Right Out: -219.053 ± 1.176 χ^2/NDF : 3049.3/18

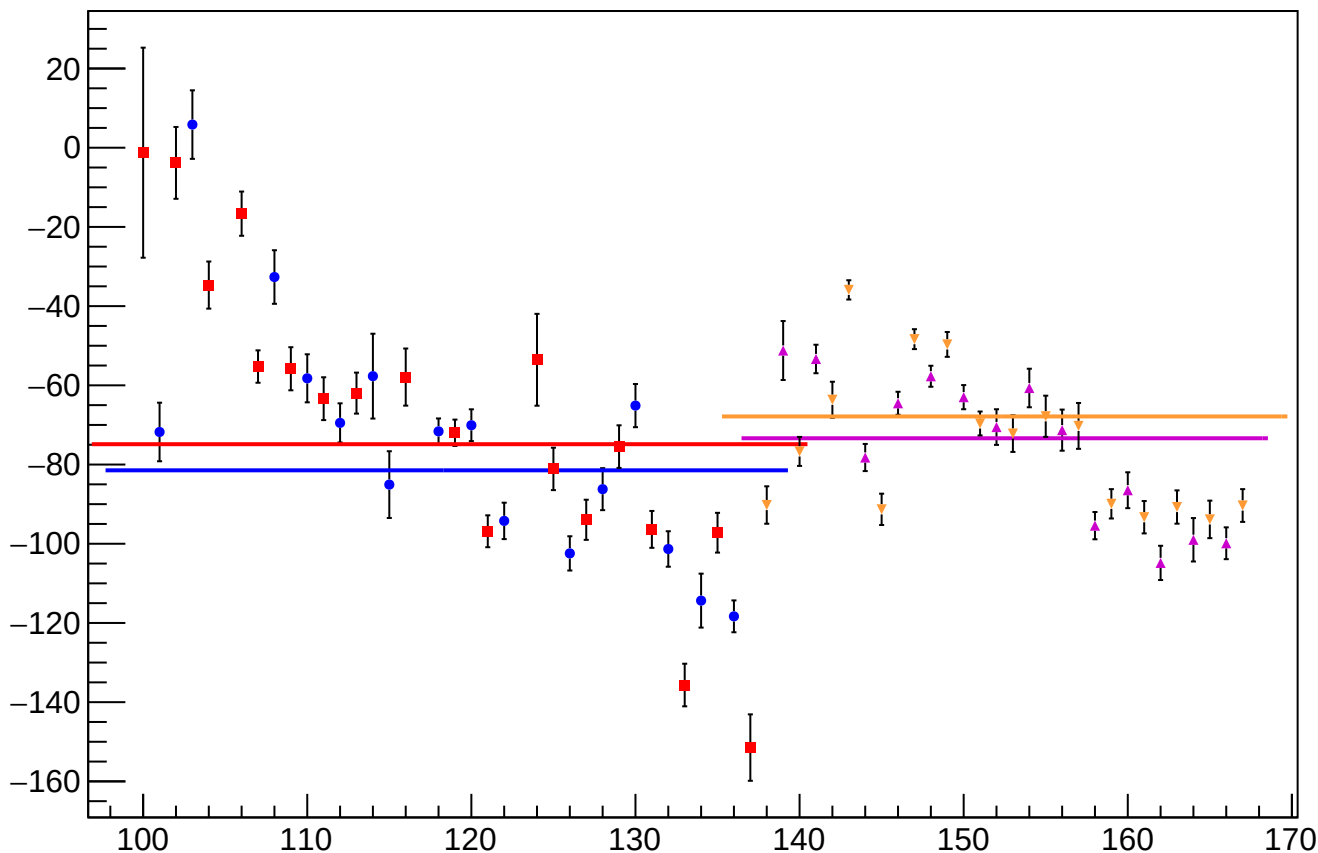
Left In: -239.487 ± 1.236 χ^2/NDF : 291.5/13

+ sign -230.975 ± 0.837 χ^2/NDF : 2240.9/31

All: -229.888 ± 0.597 χ^2/NDF : 5728.6/64

- sign -228.762 ± 0.852 χ^2/NDF : 3484.2/32

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: -67.855 ± 0.922 χ^2/NDF : 495.0/15

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

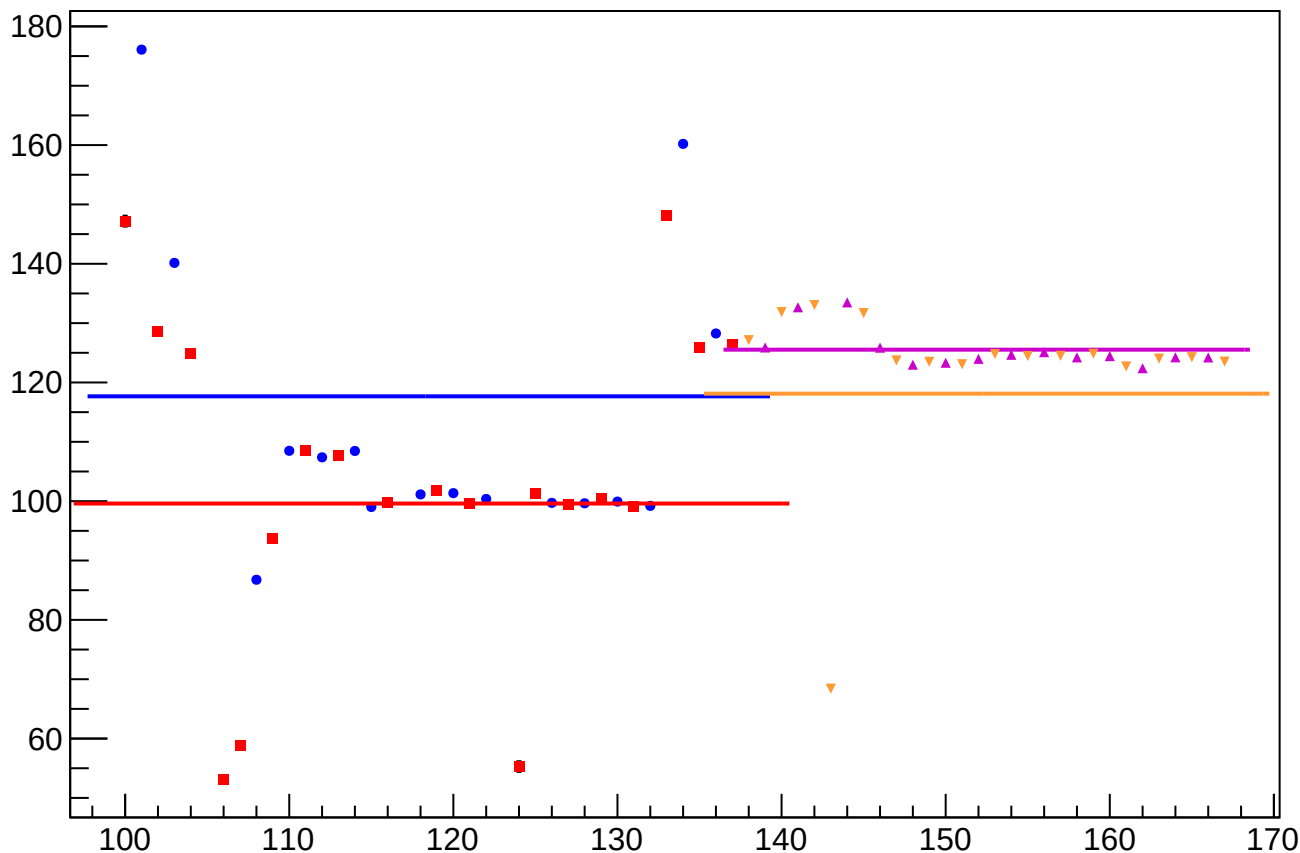
Left In: -73.365 ± 1.021 χ^2/NDF : 272.9/13

+ sign -72.473 ± 0.750 χ^2/NDF : 935.4/31

All: -73.189 ± 0.542 χ^2/NDF : 1787.6/64

- sign -73.975 ± 0.786 χ^2/NDF : 850.4/32

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug



Right In: 117.666±/0.078 χ^2/NDF : 95397.2/15

Left Out: 118.118±/0.044 χ^2/NDF : 197406.9/15

Right Out: 99.604±/0.070 χ^2/NDF : 166236.0/18

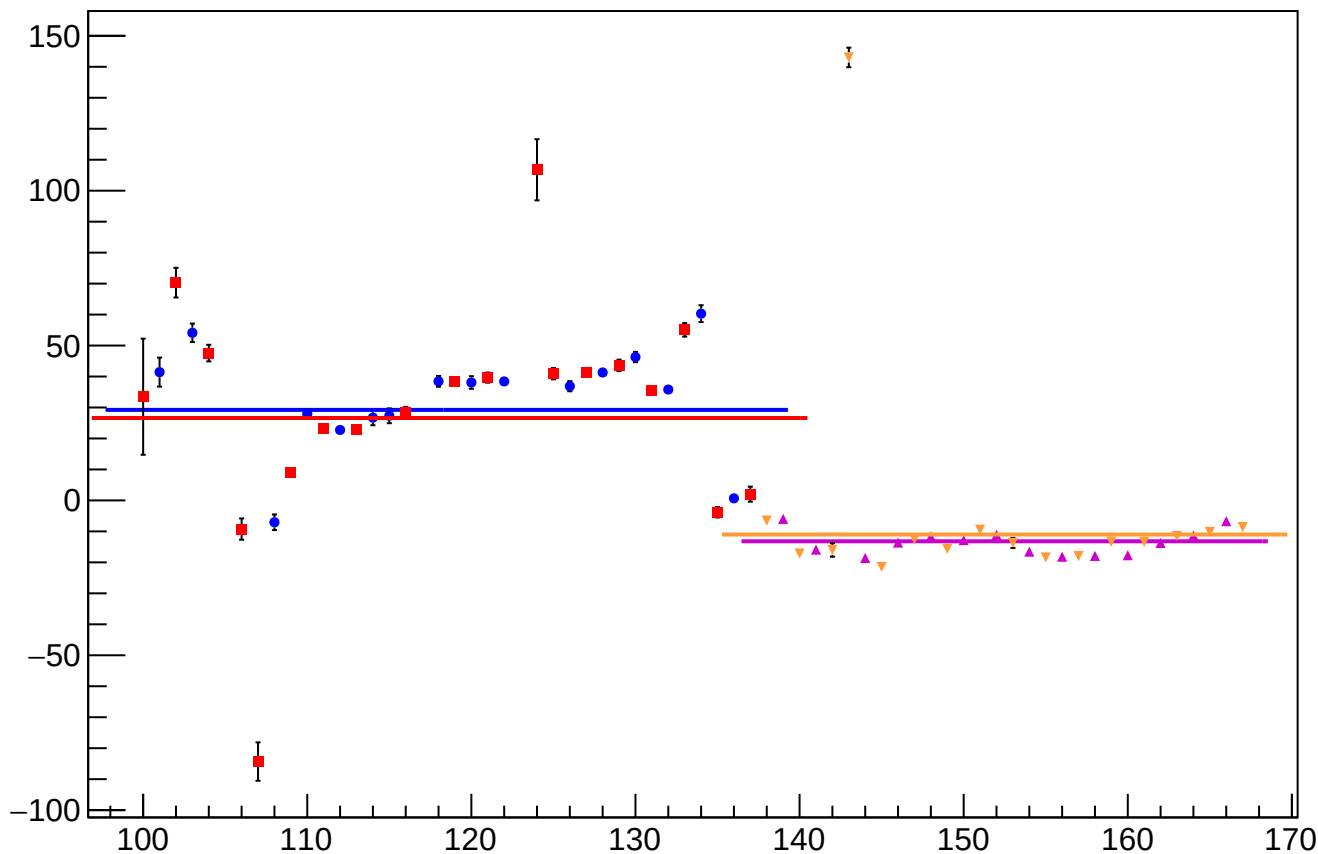
Left In: 125.527±/0.048 χ^2/NDF : 4621.7/13

+ sign 118.009±/0.039 χ^2/NDF : 292829.4/31

All: 117.695±/0.028 χ^2/NDF : 556981.8/64

- sign 117.366±/0.039 χ^2/NDF : 264016.7/32

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: -11.015+/-0.375 χ^2 /NDF: 2534.4/15

Right Out: 26.609+/-0.414 χ^2 /NDF: 1920.6/18

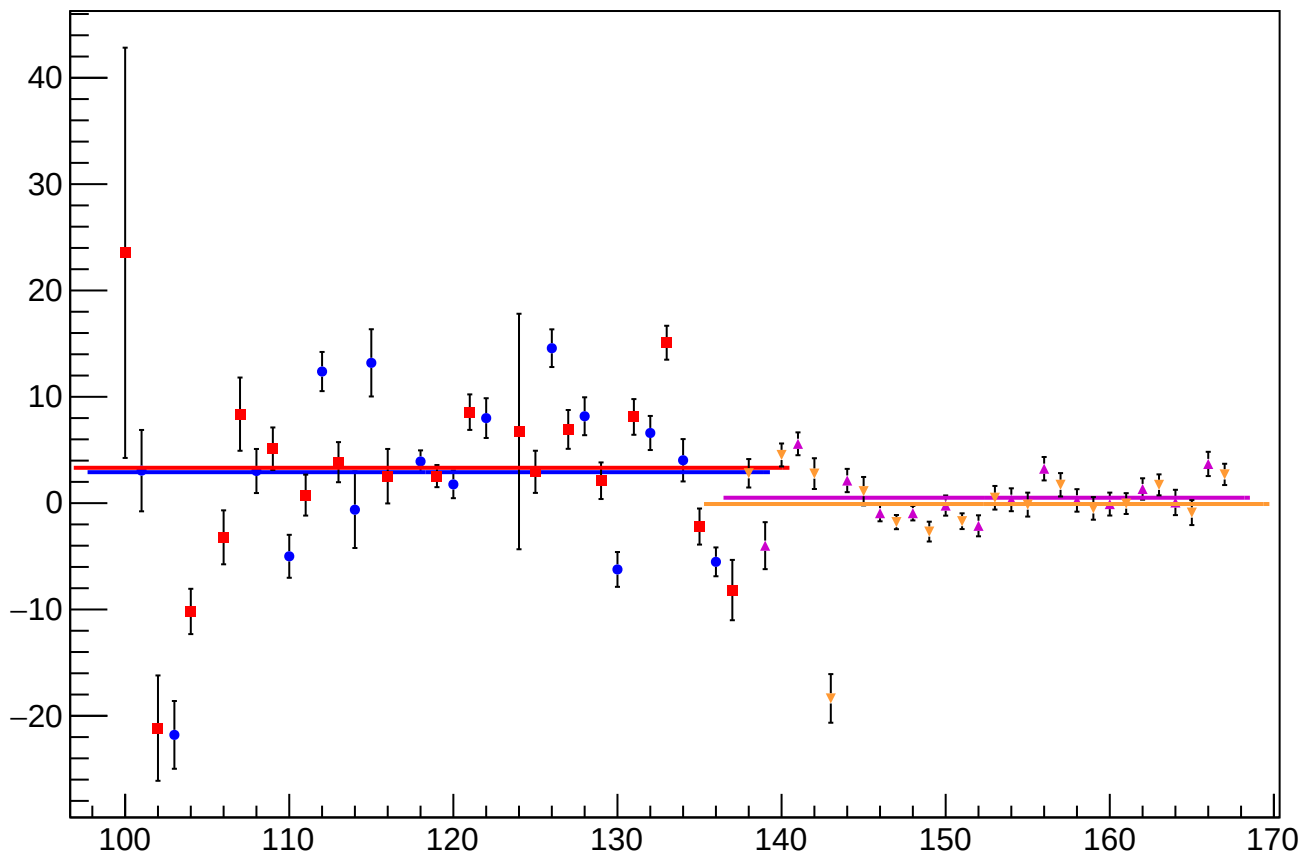
Left In: -13.194+/-0.385 χ^2 /NDF: 111.0/13

+ sign 6.657+/-0.281 χ^2 /NDF: 8923.6/31

All: 5.974+/-0.199 χ^2 /NDF: 15917.1/64

- sign 5.285+/-0.282 χ^2 /NDF: 6981.5/32

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: -0.081 ± 0.258 χ^2/NDF : 125.3/15

Right Out: 3.326 ± 0.454 χ^2/NDF : 181.8/18

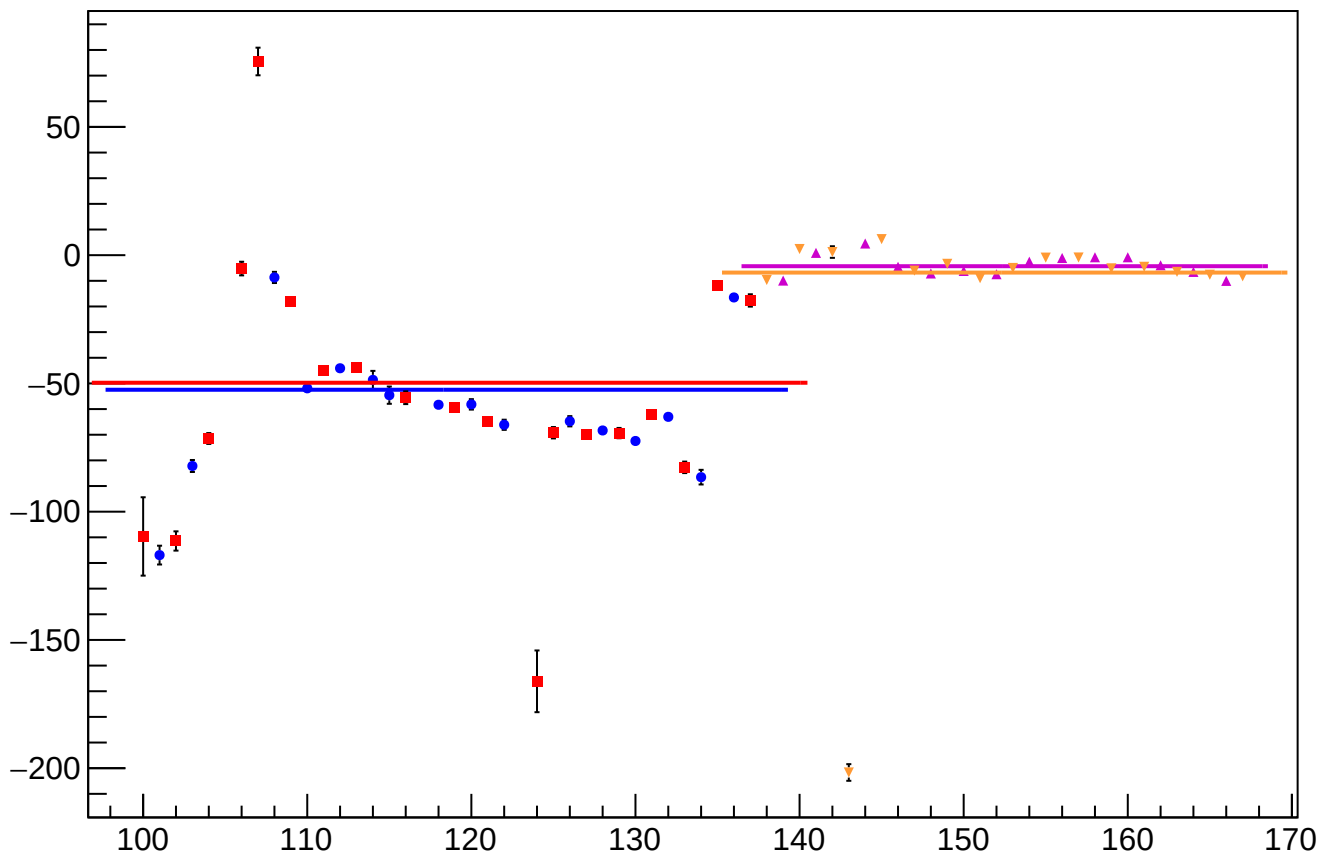
Left In: 0.509 ± 0.269 χ^2/NDF : 59.6/13

+ sign 0.680 ± 0.223 χ^2/NDF : 409.4/31

All: 0.951 ± 0.161 χ^2/NDF : 682.3/64

- sign 1.243 ± 0.231 χ^2/NDF : 269.9/32

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: -6.784 ± 0.365 χ^2/NDF : 3789.6/15

Right Out: -49.734 ± 0.494 χ^2/NDF : 3009.7/18

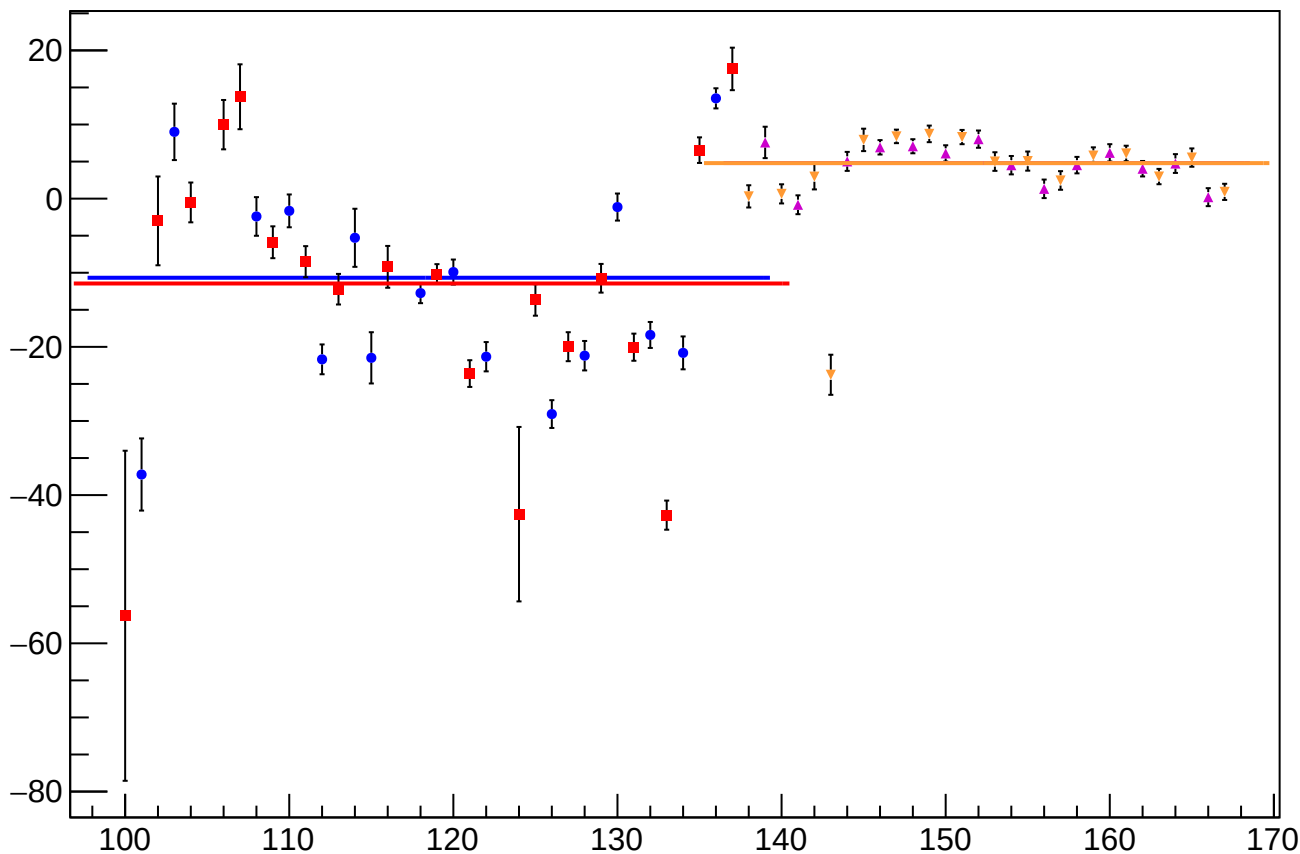
Left In: -4.302 ± 0.373 χ^2/NDF : 113.7/13

+ sign -23.196 ± 0.292 χ^2/NDF : 11739.9/31

All: -22.025 ± 0.209 χ^2/NDF : 20279.8/64

- sign -20.810 ± 0.298 χ^2/NDF : 8507.2/32

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: 4.793 ± 0.301 χ^2/NDF : 199.5/15

Right Out: -11.450 ± 0.516 χ^2/NDF : 665.7/18

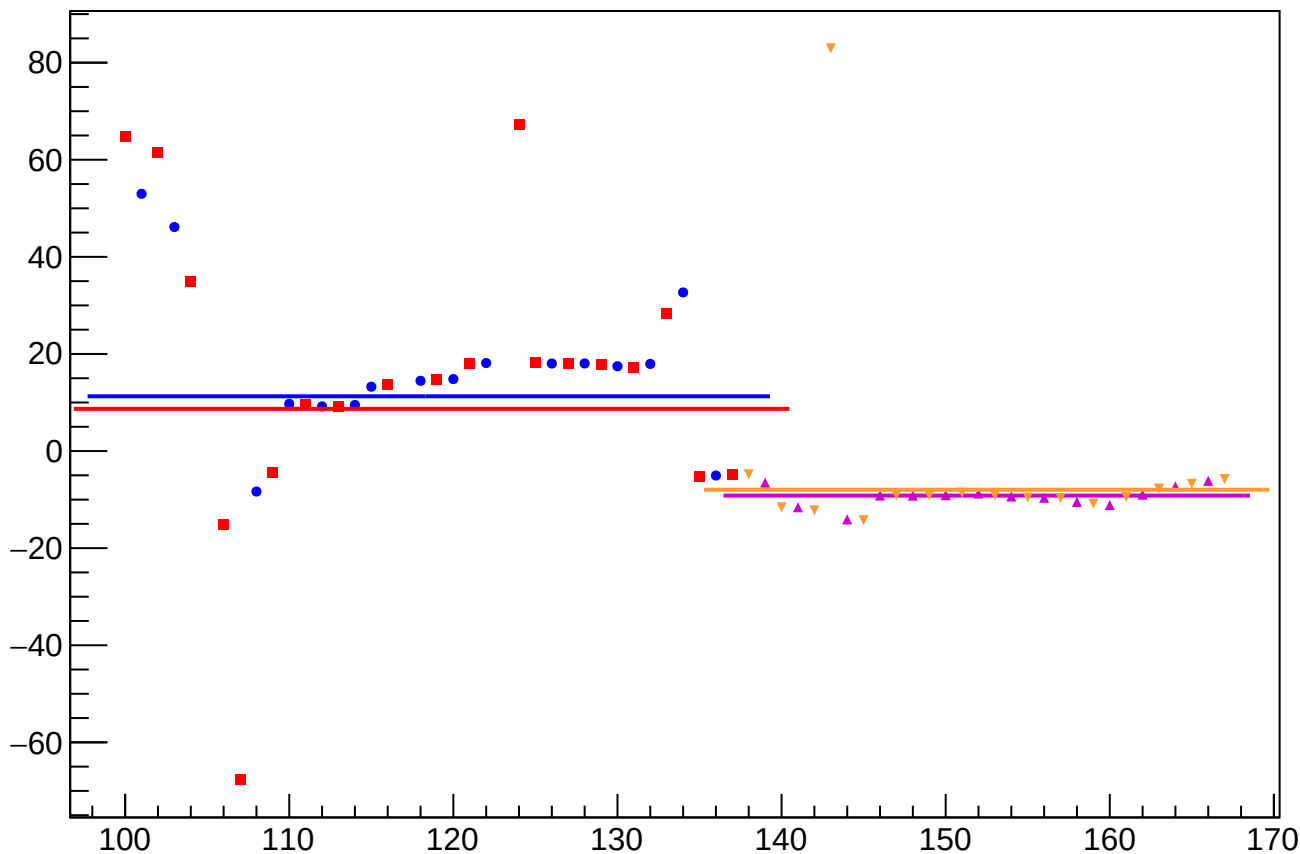
Left In: 4.802 ± 0.312 χ^2/NDF : 65.0/13

+ sign 0.748 ± 0.258 χ^2/NDF : 1557.5/31

All: 0.600 ± 0.186 χ^2/NDF : 3014.7/64

- sign 0.442 ± 0.267 χ^2/NDF : 1456.5/32

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277 $\pm$ 0.030 χ^2/NDF : 349346.9/15

Left Out: -7.971 $\pm$ 0.014 χ^2/NDF : 483436.6/15

Right Out: 8.698 $\pm$ 0.031 χ^2/NDF : 436156.0/18

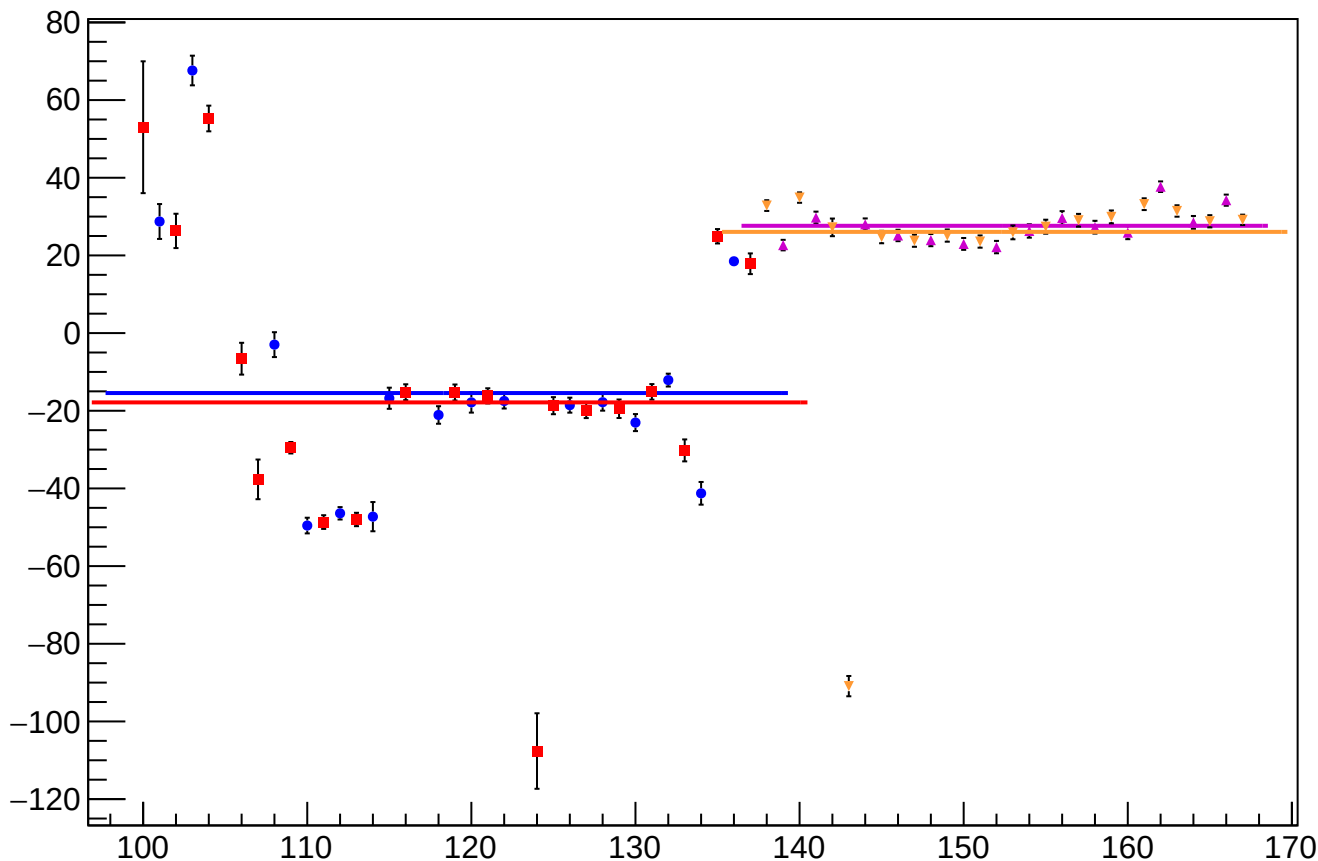
Left In: -9.171 $\pm$ 0.014 χ^2/NDF : 16594.2/13

+ sign -4.633 $\pm$ 0.012 χ^2/NDF : 1174811.1/31

All: -5.394 $\pm$ 0.009 χ^2/NDF : 1904858.0/64

- sign -6.199 $\pm$ 0.013 χ^2/NDF : 722368.5/32

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438 ± 0.539 χ^2/NDF : 2124.2/15

Left Out: 26.061 ± 0.401 χ^2/NDF : 2131.1/15

Right Out: -17.848 ± 0.530 χ^2/NDF : 2125.2/18

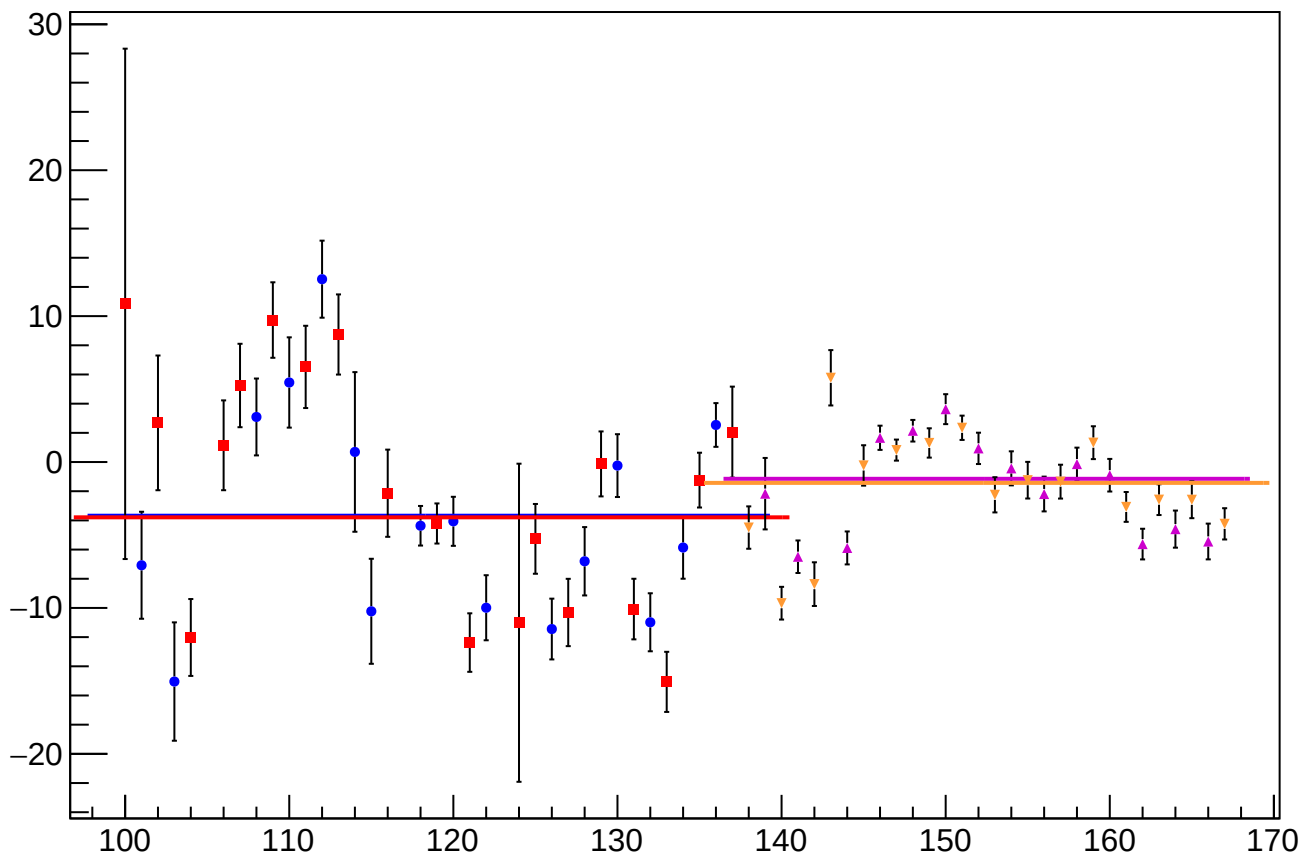
Left In: 27.629 ± 0.413 χ^2/NDF : 124.1/13

+ sign 11.299 ± 0.322 χ^2/NDF : 8073.9/31

All: 10.882 ± 0.229 χ^2/NDF : 14915.0/64

- sign 10.454 ± 0.325 χ^2/NDF : 6837.7/32

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: -1.429 ± 0.276 χ^2/NDF : 150.9/15

Right Out: -3.790 ± 0.564 χ^2/NDF : 161.2/18

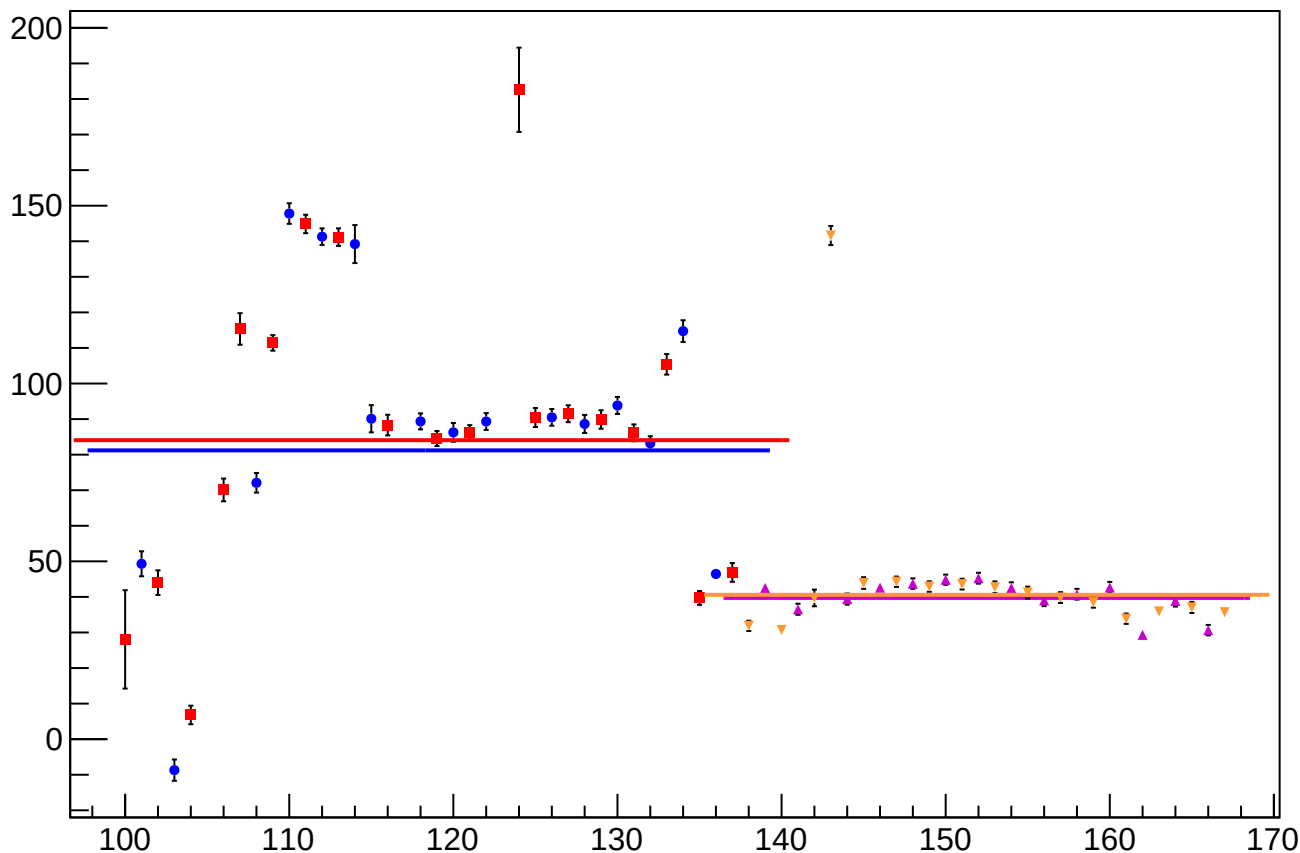
Left In: -1.150 ± 0.288 χ^2/NDF : 137.2/13

+ sign -1.880 ± 0.247 χ^2/NDF : 288.1/31

All: -1.792 ± 0.178 χ^2/NDF : 604.2/64

- sign -1.696 ± 0.256 χ^2/NDF : 315.8/32

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: 40.593 $\pm$ 0.390 χ^2/NDF : 1573.0/15

Right Out: 84.065 $\pm$ 0.616 χ^2/NDF : 3206.5/18

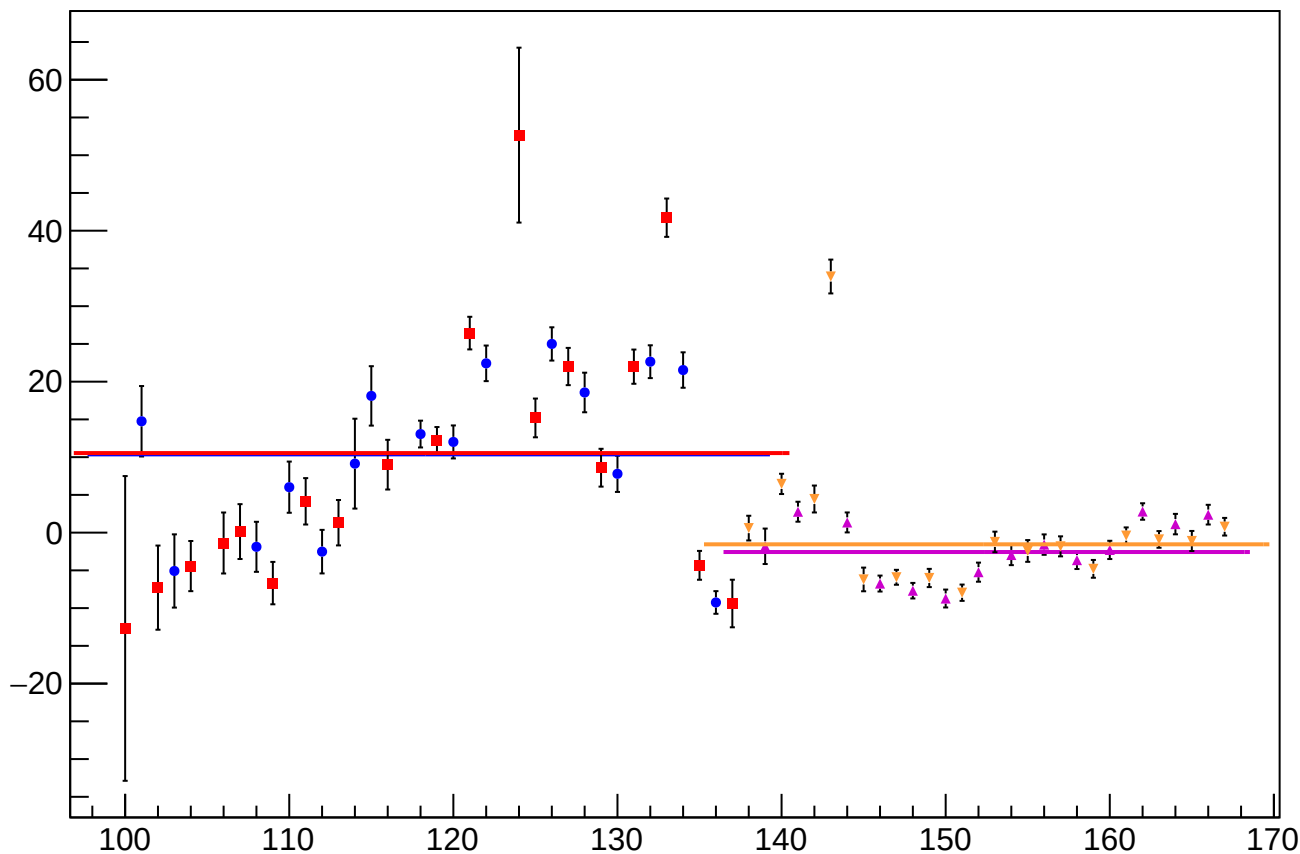
Left In: 39.720 $\pm$ 0.400 χ^2/NDF : 154.6/13

+ sign 52.461 $\pm$ 0.328 χ^2/NDF : 7970.9/31

All: 52.648 $\pm$ 0.235 χ^2/NDF : 14978.3/64

- sign 52.843 $\pm$ 0.335 χ^2/NDF : 7006.7/32

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 10.367 ± 0.627 χ^2/NDF : 359.8/15

Left Out: -1.549 ± 0.321 χ^2/NDF : 390.0/15

Right Out: 10.539 ± 0.640 χ^2/NDF : 470.7/18

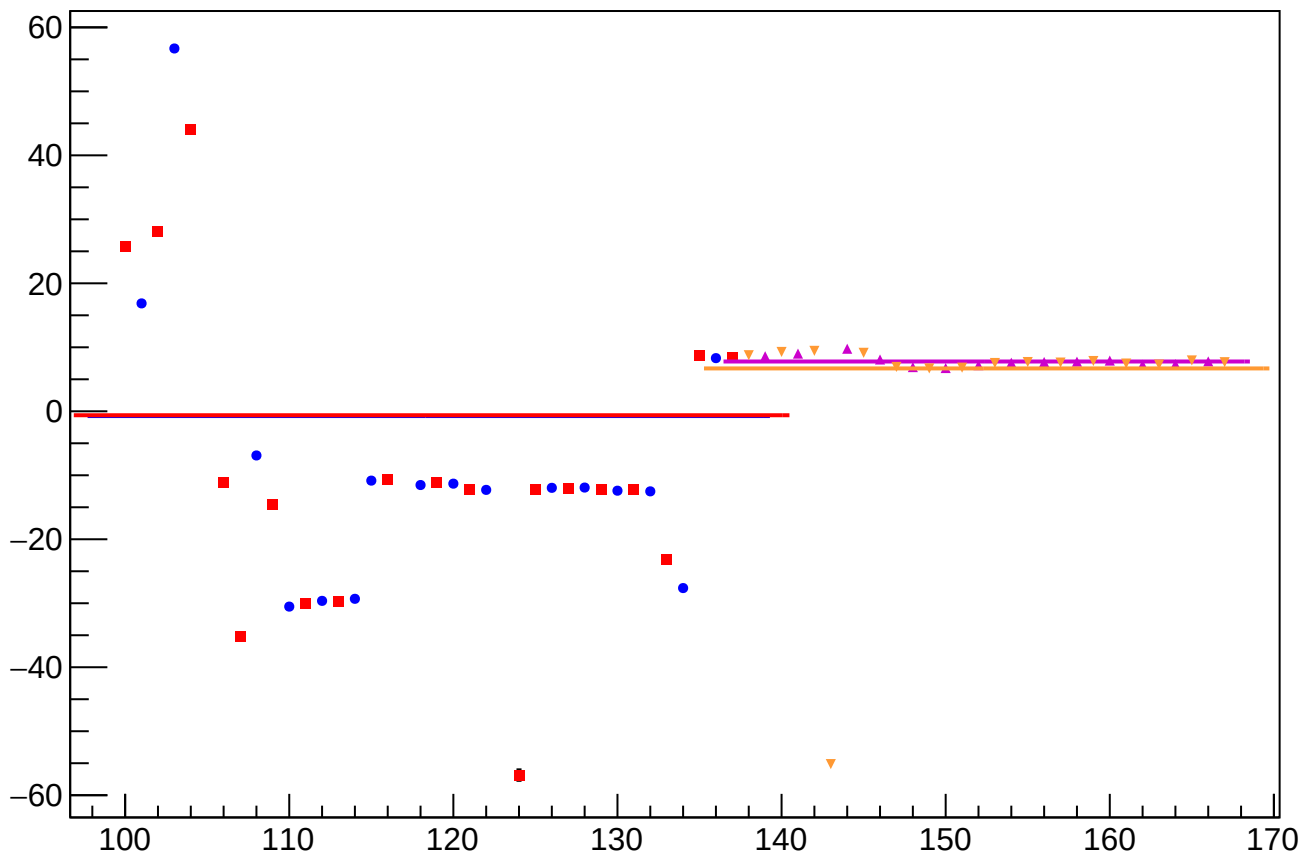
Left In: -2.569 ± 0.334 χ^2/NDF : 144.6/13

+ sign 0.933 ± 0.286 χ^2/NDF : 1036.2/31

All: 0.595 ± 0.206 χ^2/NDF : 1984.0/64

- sign 0.233 ± 0.296 χ^2/NDF : 944.9/32

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: 6.698 ± 0.015 χ^2/NDF : 314074.9/15

Right Out: -0.618 ± 0.037 χ^2/NDF : 316492.6/18

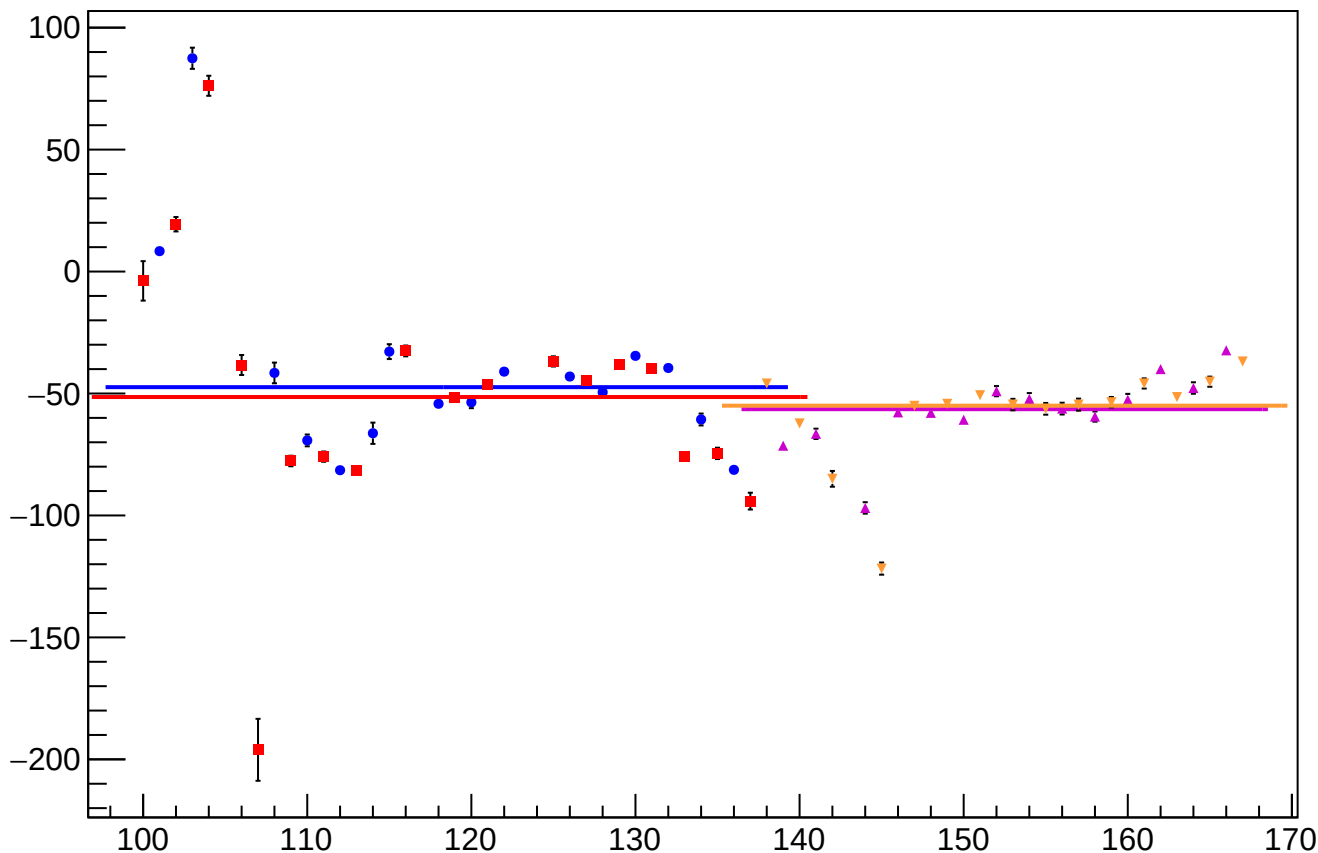
Left In: 7.781 ± 0.015 χ^2/NDF : 2291.7/13

+ sign 5.633 ± 0.014 χ^2/NDF : 718946.4/31

All: 6.107 ± 0.010 χ^2/NDF : 1083797.9/64

- sign 6.608 ± 0.014 χ^2/NDF : 362339.9/32

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398 ± 0.535 χ^2/NDF : 2769.0/15

Left Out: -54.988 ± 0.537 χ^2/NDF : 1004.1/14

Right Out: -51.442 ± 0.545 χ^2/NDF : 2872.7/17

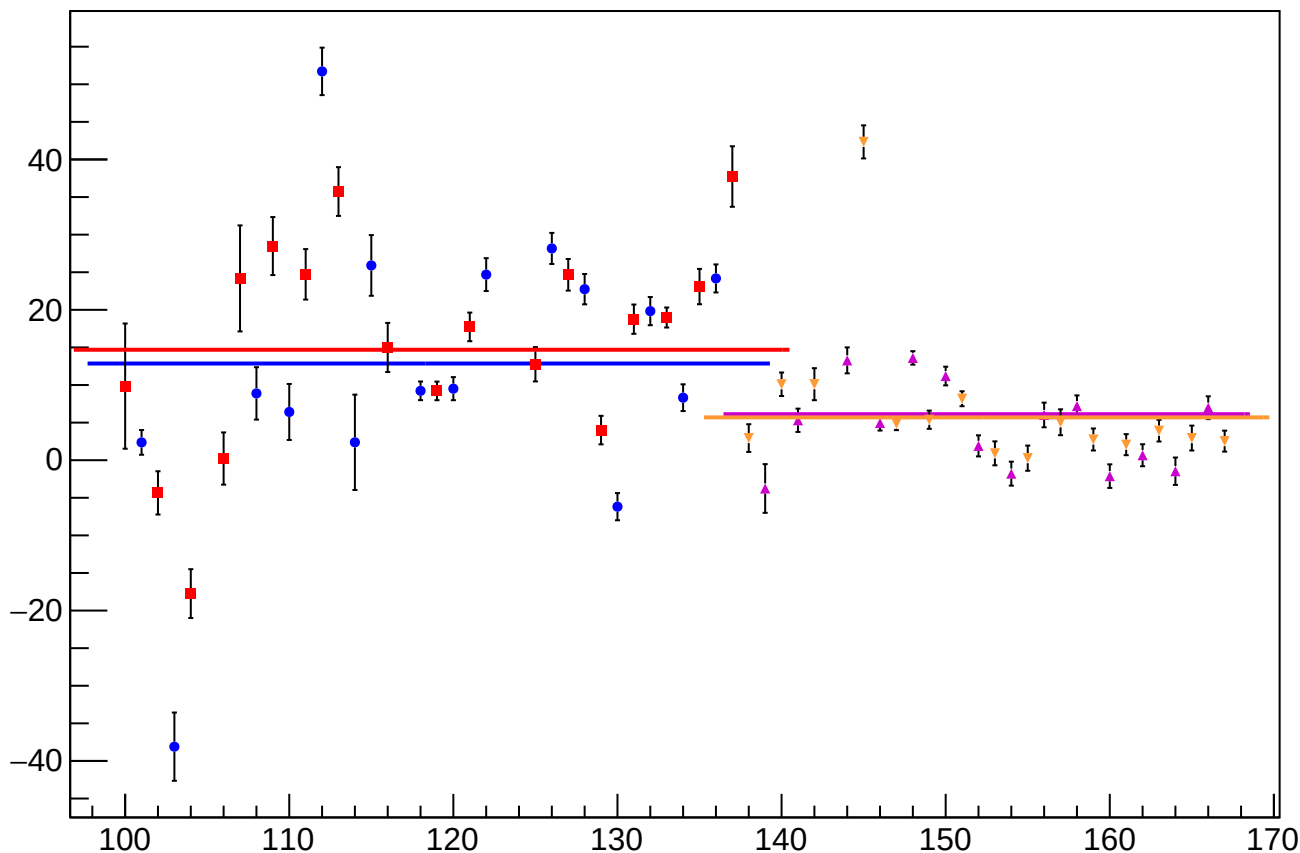
Left In: -56.435 ± 0.546 χ^2/NDF : 690.5/13

+ sign -51.177 ± 0.379 χ^2/NDF : 3873.2/30

All: -52.532 ± 0.270 χ^2/NDF : 7504.4/62

- sign -53.935 ± 0.386 χ^2/NDF : 3605.1/31

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: 5.694 $\pm$ 0.363 χ^2 /NDF: 339.1/14

Right Out: 14.691 $\pm$ 0.544 χ^2 /NDF: 364.1/17

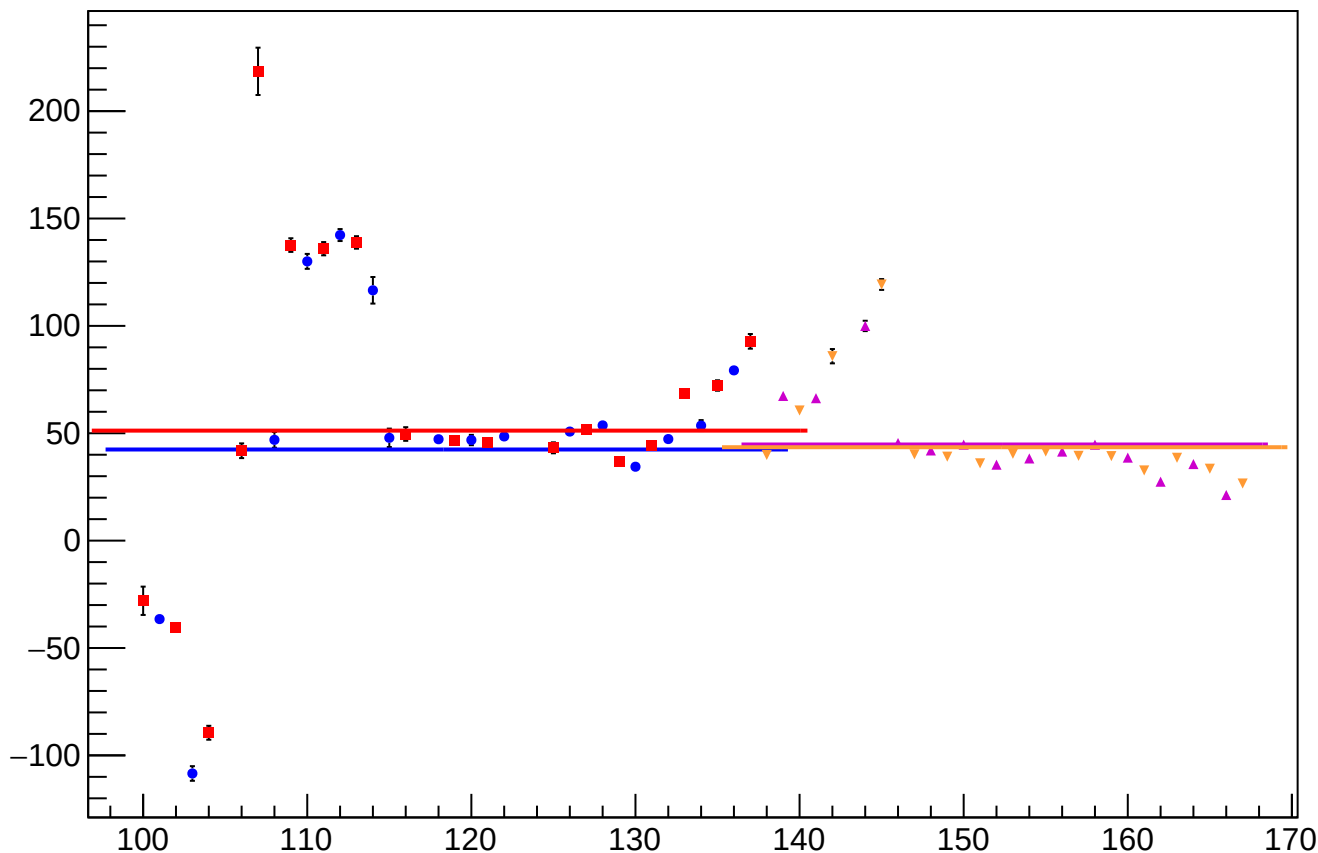
Left In: 6.119 $\pm$ 0.375 χ^2 /NDF: 208.0/13

+ sign 8.050 $\pm$ 0.297 χ^2 /NDF: 1092.7/30

All: 8.449 $\pm$ 0.214 χ^2 /NDF: 1836.7/62

- sign 8.879 $\pm$ 0.309 χ^2 /NDF: 740.3/31

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF : 7168.9/15

Left Out: 43.496+/-0.522 χ^2/NDF :1336.4/14

Right Out: 51.226+/-0.615 χ^2/NDF : 6611.3/17

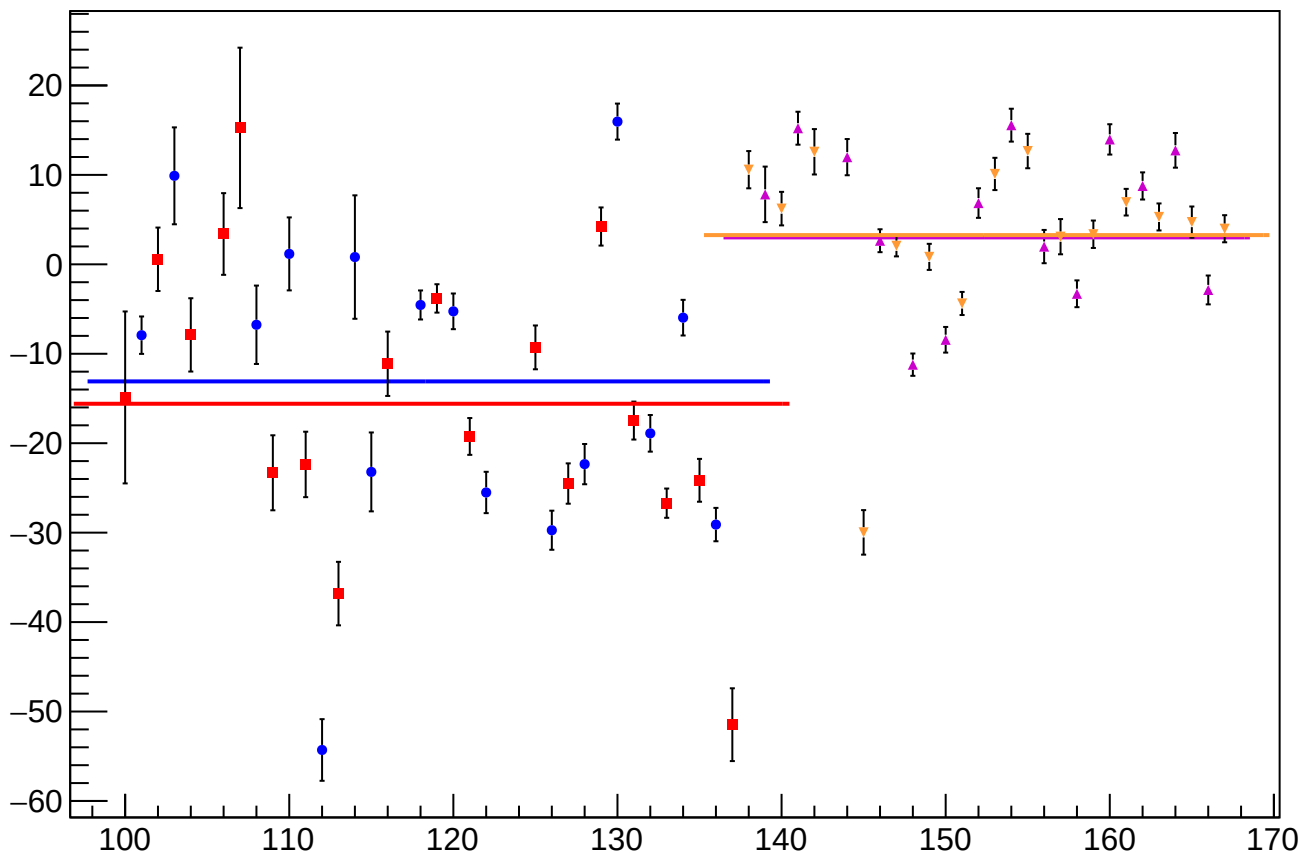
Left In: 44.762+/-0.528 χ^2/NDF :1085.0/13

+ sign 43.026+/-0.389 χ^2/NDF : 8507.1/30

All: 45.201+/-0.279 χ^2/NDF : 16331.4/62

- sign 47.505+/-0.400 χ^2/NDF : 7759.9/31

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090 ± 0.600 χ^2/NDF : 639.9/15

Left Out: 3.268 ± 0.425 χ^2/NDF : 292.5/14

Right Out: -15.589 ± 0.627 χ^2/NDF : 401.8/17

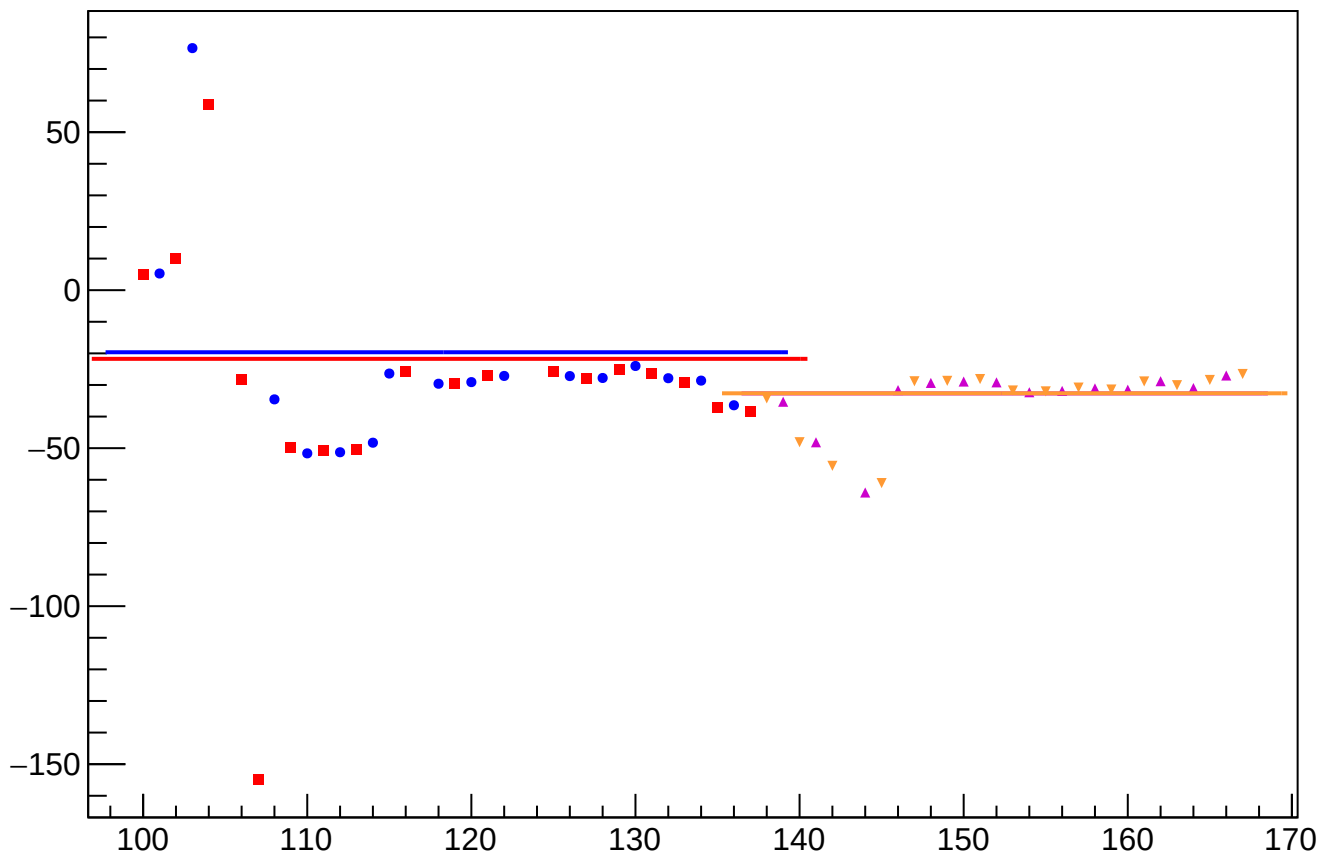
Left In: 3.010 ± 0.438 χ^2/NDF : 424.5/13

+ sign -2.205 ± 0.347 χ^2/NDF : 1427.4/30

All: -2.635 ± 0.250 χ^2/NDF : 2848.4/62

- sign -3.095 ± 0.359 χ^2/NDF : 1417.8/31

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644 ± 0.036 χ^2/NDF : 646925.7/15

Left Out: -32.636 ± 0.020 χ^2/NDF : 169477.3/14

Right Out: -21.730 ± 0.039 χ^2/NDF : 546659.9/17

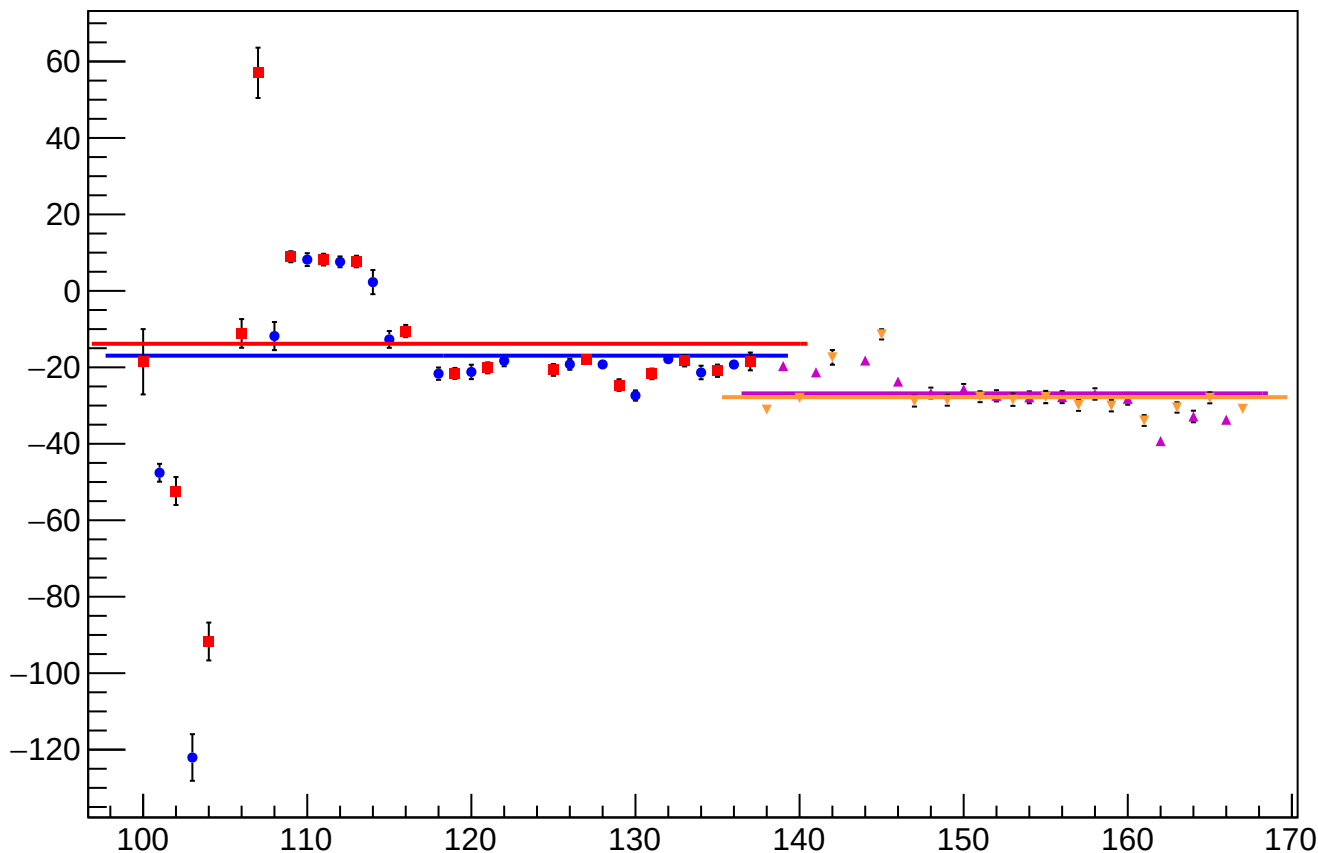
Left In: -32.679 ± 0.020 χ^2/NDF : 134048.1/13

+ sign -29.660 ± 0.017 χ^2/NDF : 916194.8/30

All: -30.021 ± 0.012 χ^2/NDF : 1660573.5/62

- sign -30.401 ± 0.018 χ^2/NDF : 743483.6/31

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: -27.804 ± 0.362 $\chi^2/\text{NDF}: 221.9/14$

Right Out: -13.837 ± 0.409 $\chi^2/\text{NDF}: 1333.2/17$

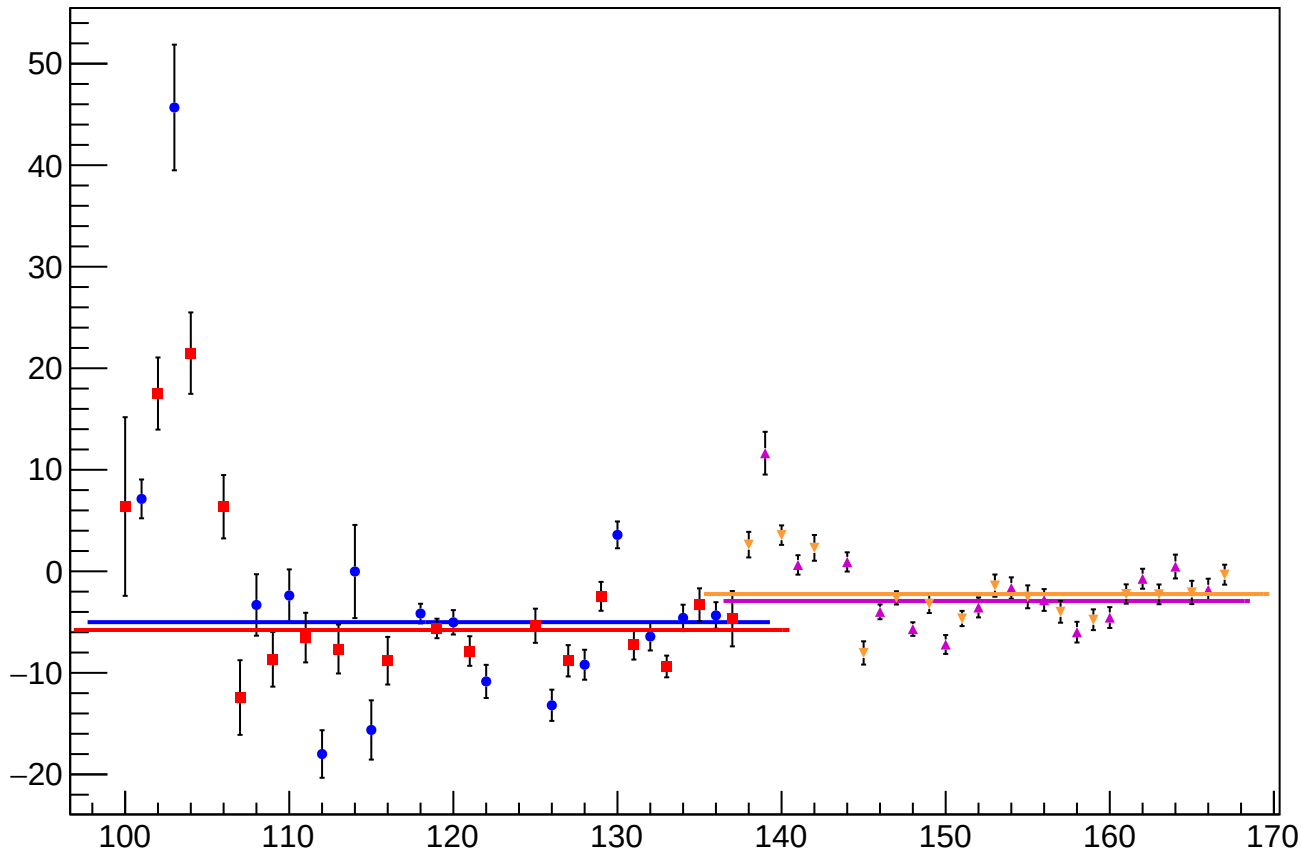
Left In: -26.812 ± 0.368 $\chi^2/\text{NDF}: 249.8/13$

+ sign -22.961 ± 0.270 $\chi^2/\text{NDF}: 1750.2/30$

All: -21.998 ± 0.192 $\chi^2/\text{NDF}: 3914.6/62$

- sign -21.006 ± 0.274 $\chi^2/\text{NDF}: 2138.5/31$

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006 ± 0.401 χ^2/NDF : 247.8/15

Left Out: -2.236 ± 0.251 χ^2/NDF : 114.9/14

Right Out: -5.779 ± 0.419 χ^2/NDF : 139.3/17

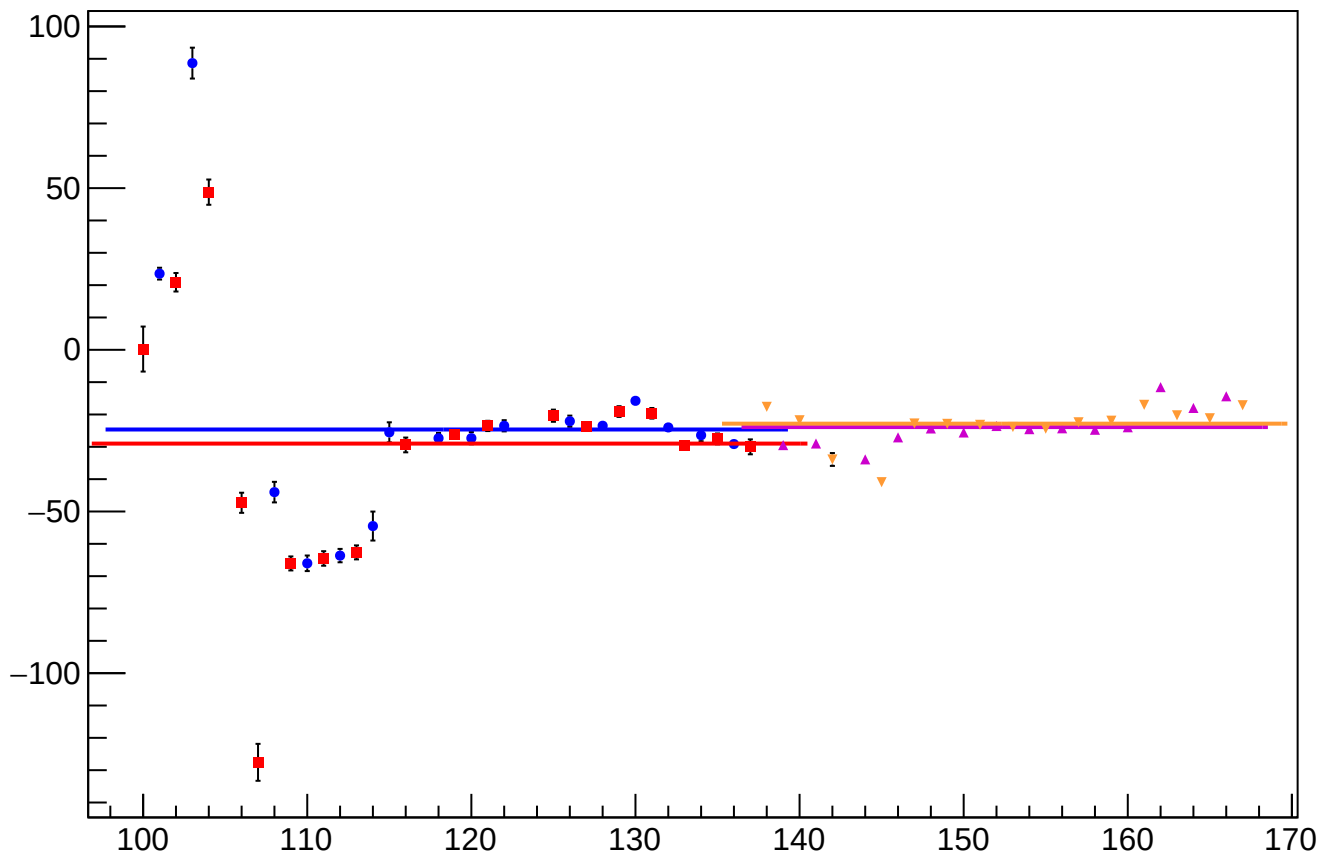
Left In: -2.920 ± 0.258 χ^2/NDF : 146.5/13

+ sign -3.015 ± 0.213 χ^2/NDF : 396.9/30

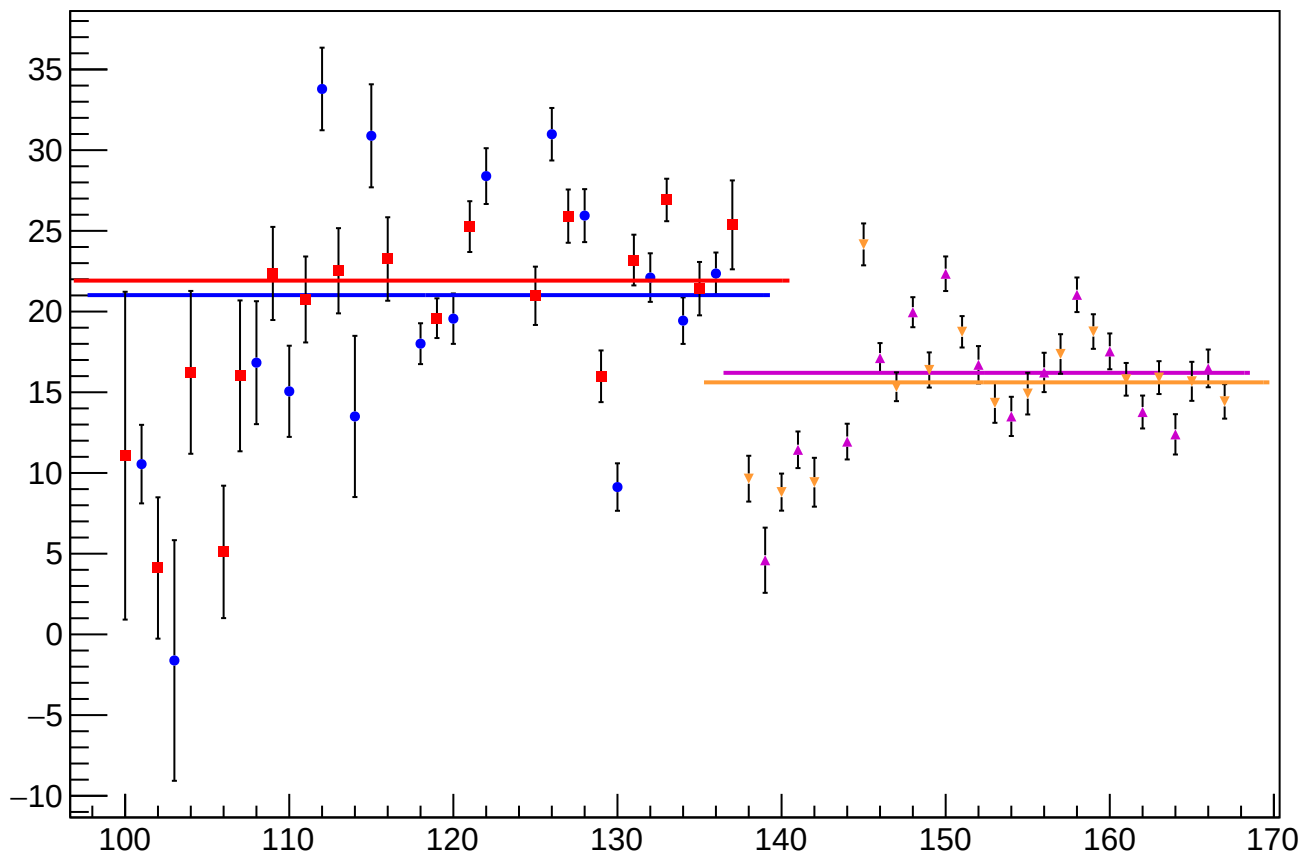
All: -3.349 ± 0.153 χ^2/NDF : 721.5/62

- sign -3.705 ± 0.220 χ^2/NDF : 319.5/31

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



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: 15.614 $\pm$ 0.292 χ^2/NDF :137.1/14

Right Out: 21.918 $\pm$ 0.478 χ^2/NDF : 82.5/17

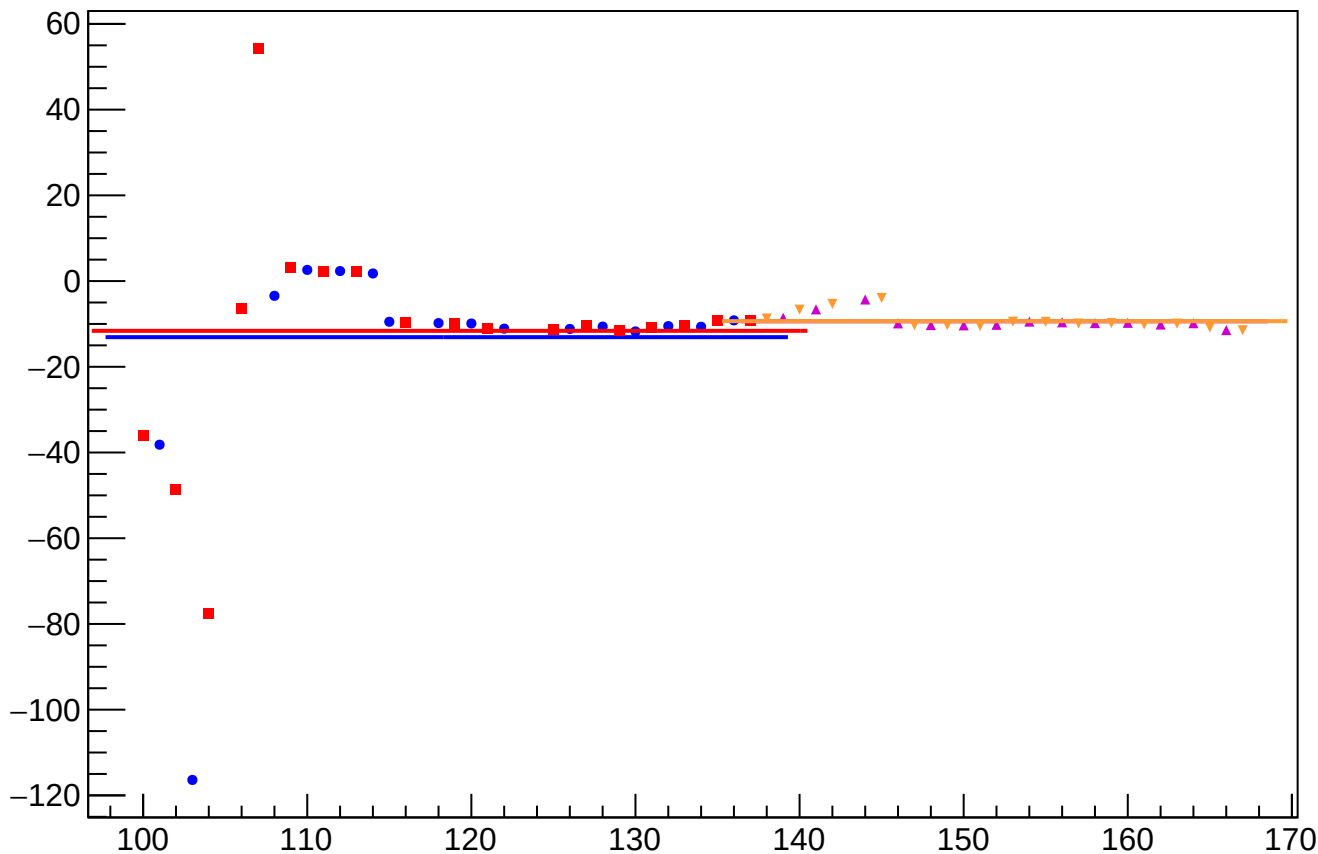
Left In: 16.204 $\pm$ 0.300 χ^2/NDF :157.6/13

+ sign 17.175 $\pm$ 0.246 χ^2/NDF : 445.7/30

All: 17.484 $\pm$ 0.177 χ^2/NDF : 791.6/62

- sign 17.813 $\pm$ 0.254 χ^2/NDF : 342.6/31

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086 ± 0.028 $\chi^2/\text{NDF}: 344941.2/15$

Left Out: -9.345 ± 0.013 $\chi^2/\text{NDF}: 19943.1/14$

Right Out: -11.610 ± 0.031 $\chi^2/\text{NDF}: 314183.9/17$

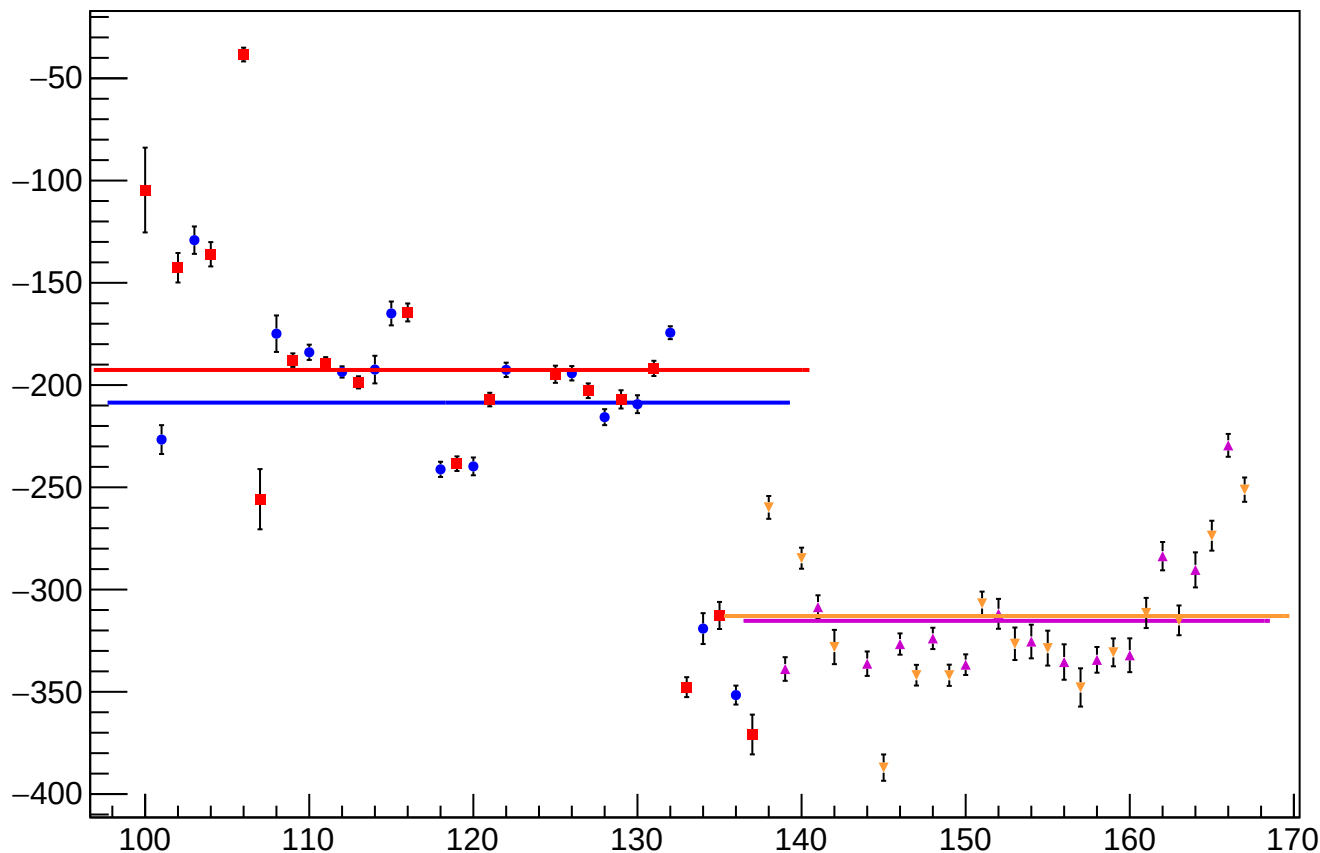
Left In: -9.387 ± 0.013 $\chi^2/\text{NDF}: 13465.5/13$

+ sign -10.017 ± 0.012 $\chi^2/\text{NDF}: 379108.2/30$

All: -9.884 ± 0.009 $\chi^2/\text{NDF}: 711357.4/62$

- sign -9.743 ± 0.012 $\chi^2/\text{NDF}: 331996.9/31$

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586 ± 1.067 χ^2/NDF : 1751.1/15

Left Out: -312.927 ± 1.664 χ^2/NDF : 485.4/14

Right Out: -192.617 ± 0.999 χ^2/NDF : 4207.1/17

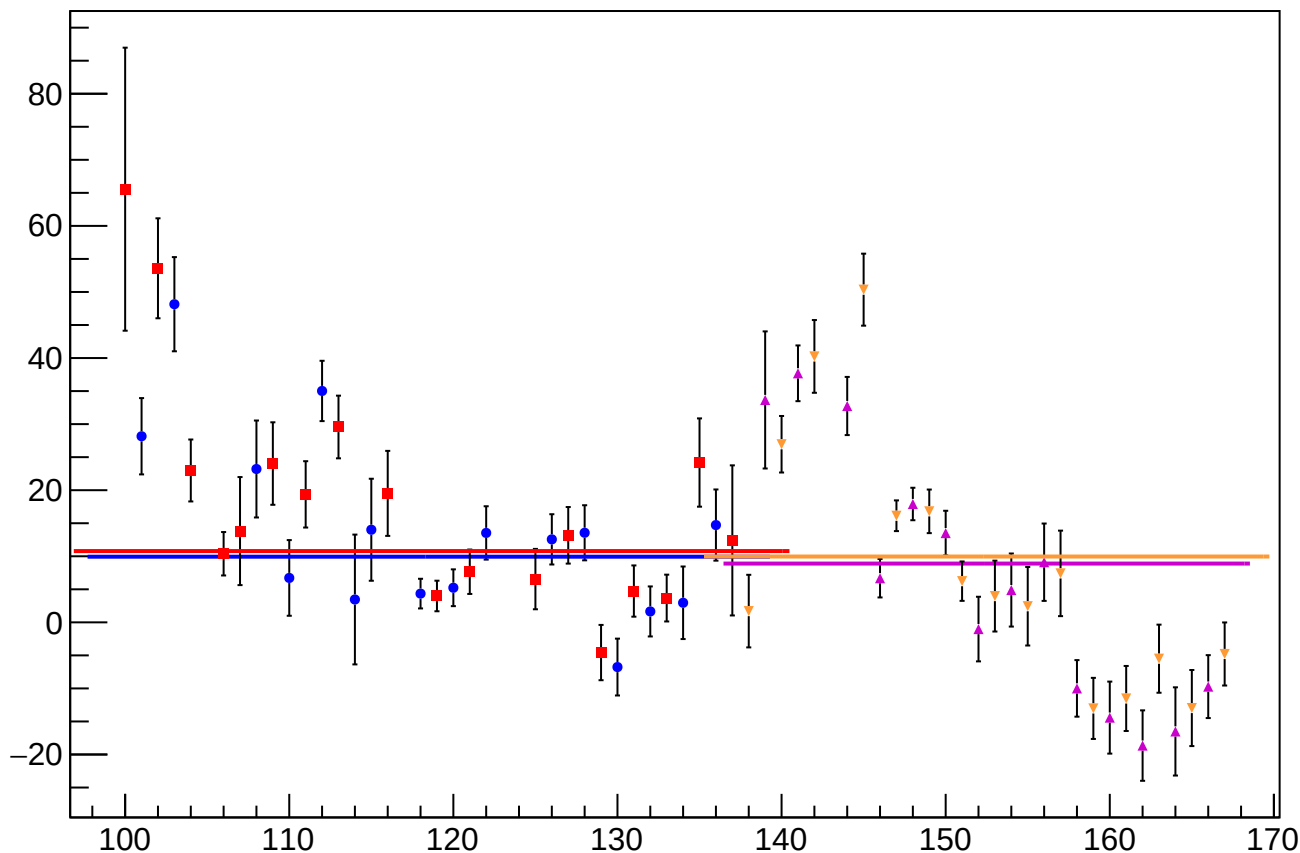
Left In: -315.299 ± 1.680 χ^2/NDF : 341.4/13

+ sign -238.955 ± 0.898 χ^2/NDF : 5022.5/30

All: -231.481 ± 0.621 χ^2/NDF : 13642.2/62

- sign -224.647 ± 0.859 χ^2/NDF : 8487.1/31

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938 $\pm$ 1.065 χ^2/NDF : 106.6/15

Left Out: 9.962 $\pm$ 1.097 χ^2/NDF :197.4/14

Right Out: 10.788 $\pm$ 1.044 χ^2/NDF : 105.1/17

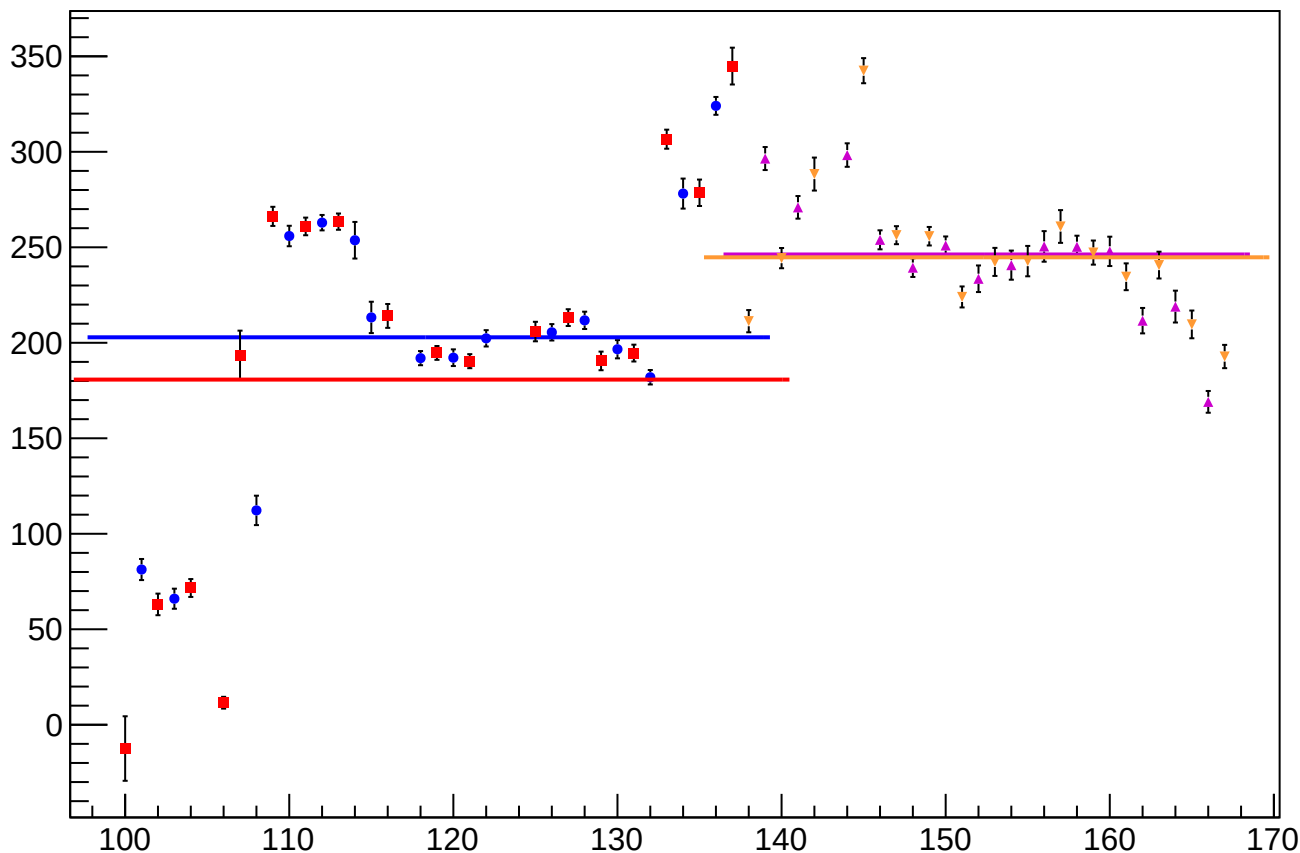
Left In: 8.896 $\pm$ 1.131 χ^2/NDF :196.5/13

+ sign 9.950 $\pm$ 0.764 χ^2/NDF : 303.9/30

All: 9.934 $\pm$ 0.541 χ^2/NDF : 607.0/62

- sign 9.918 $\pm$ 0.767 χ^2/NDF : 303.1/31

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: 244.758 $\pm$ 1.618 χ^2 /NDF:407.2/14

Right Out: 180.731 $\pm$ 1.144 χ^2 /NDF: 6347.9/17

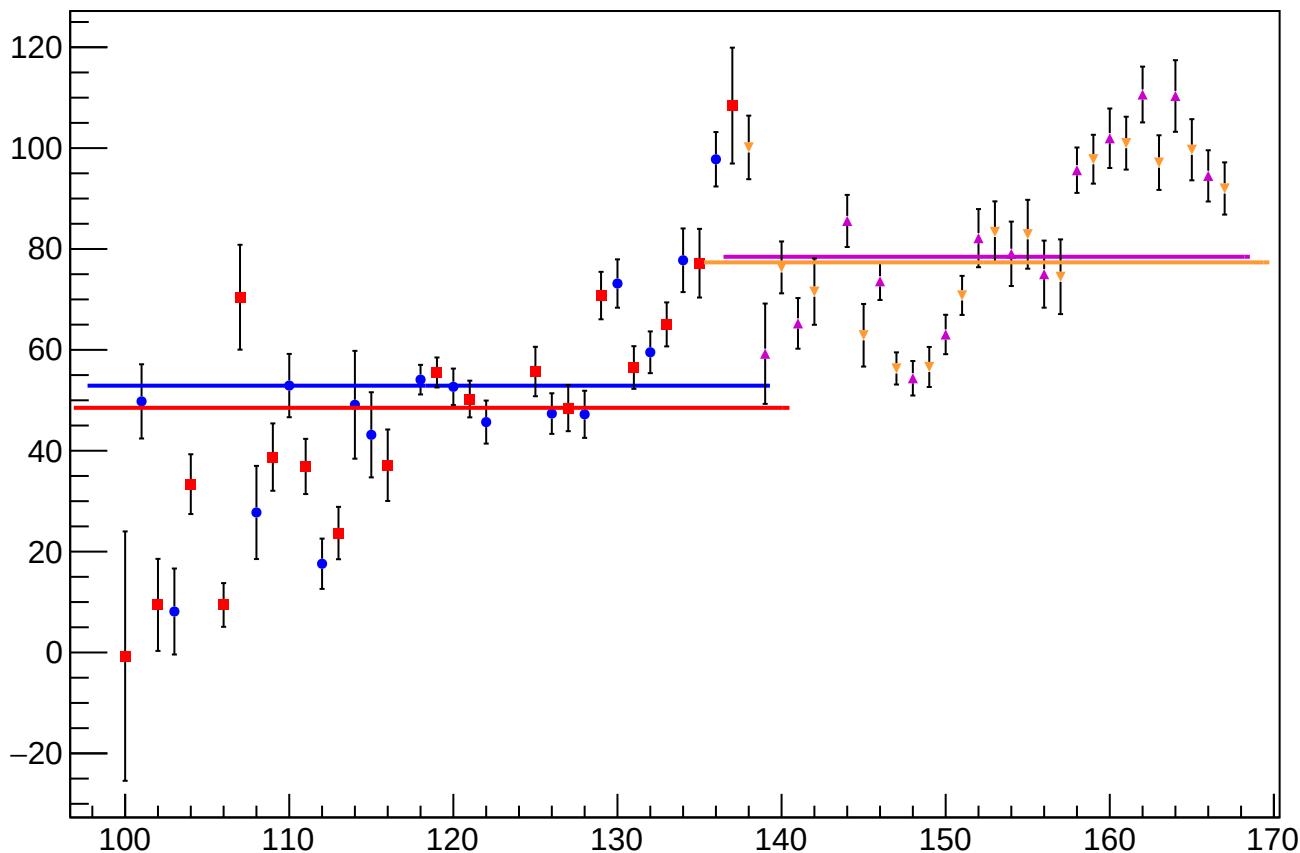
Left In: 246.241 $\pm$ 1.627 χ^2 /NDF:389.7/13

+ sign 218.139 $\pm$ 0.977 χ^2 /NDF: 3297.1/30

All: 209.924 $\pm$ 0.676 χ^2 /NDF: 11255.1/62

- sign 202.389 $\pm$ 0.936 χ^2 /NDF: 7822.5/31

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: 77.346 $\pm$ 1.307 χ^2 /NDF:167.9/14

Right Out: 48.510 $\pm$ 1.214 χ^2 /NDF: 240.0/17

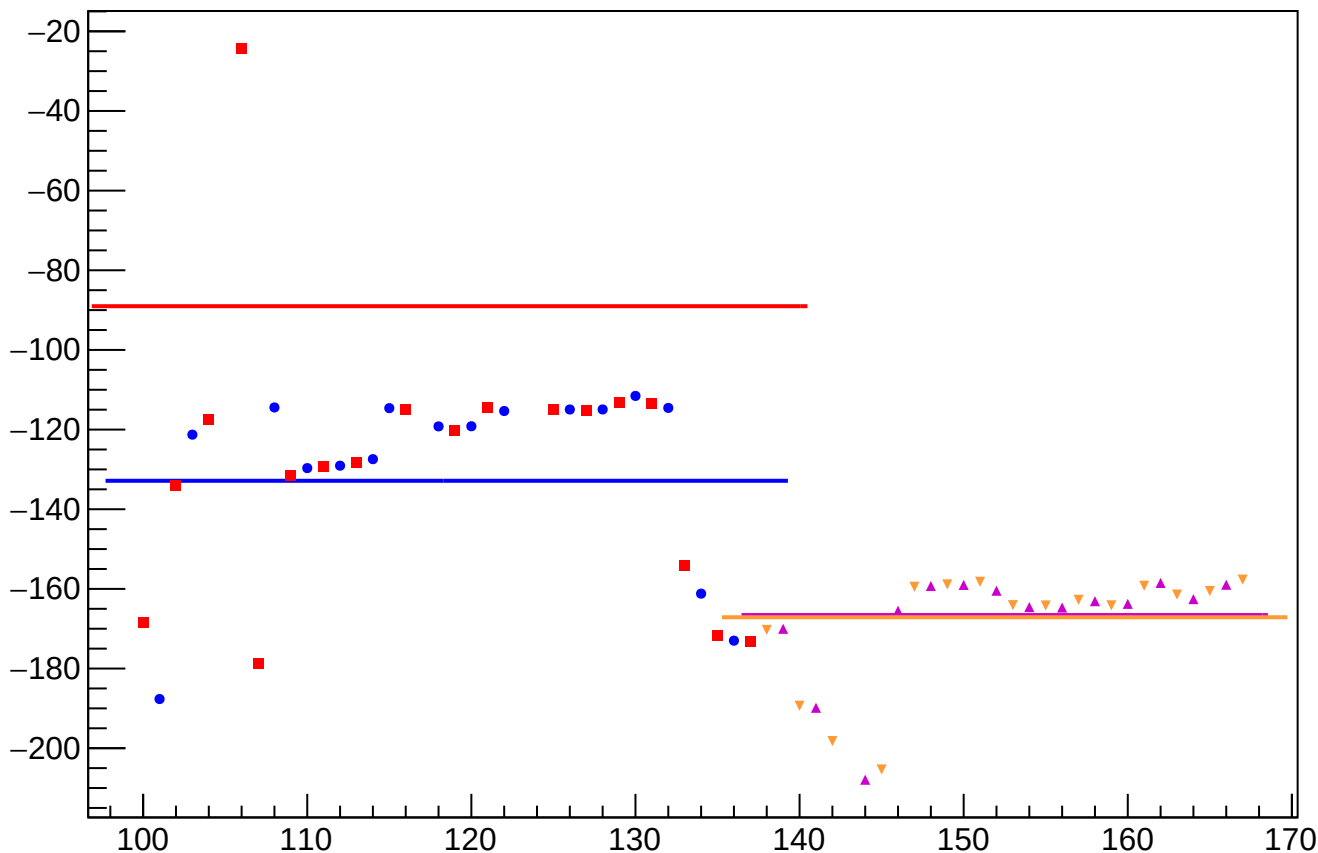
Left In: 78.457 $\pm$ 1.339 χ^2 /NDF:174.5/13

+ sign 64.491 $\pm$ 0.900 χ^2 /NDF: 550.0/30

All: 63.256 $\pm$ 0.636 χ^2 /NDF: 1242.7/62

- sign 62.023 $\pm$ 0.900 χ^2 /NDF: 688.9/31

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856 ± 0.081 $\chi^2/\text{NDF}: 93497.9/15$

Left Out: -167.127 ± 0.063 $\chi^2/\text{NDF}: 47487.0/14$

Right Out: -89.020 ± 0.064 $\chi^2/\text{NDF}: 728110.1/17$

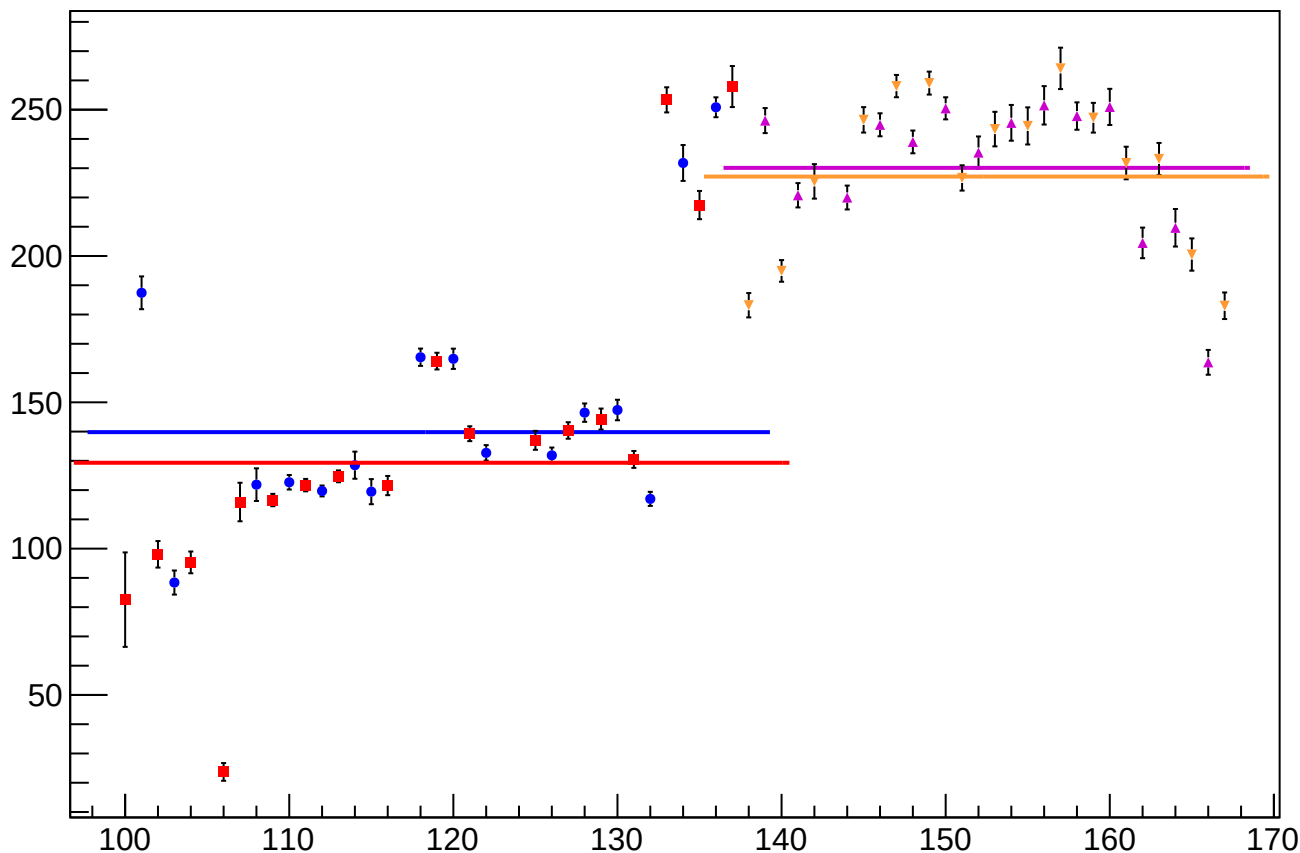
Left In: -166.567 ± 0.063 $\chi^2/\text{NDF}: 38297.5/13$

+ sign -154.399 ± 0.050 $\chi^2/\text{NDF}: 252539.4/30$

All: -140.297 ± 0.033 $\chi^2/\text{NDF}: 1914862.2/62$

- sign -128.790 ± 0.045 $\chi^2/\text{NDF}: 1515404.2/31$

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810 ± 0.785 χ^2/NDF : 1964.9/15

Left Out: 227.146 ± 1.232 χ^2/NDF : 517.3/14

Right Out: 129.344 ± 0.734 χ^2/NDF : 3123.5/17

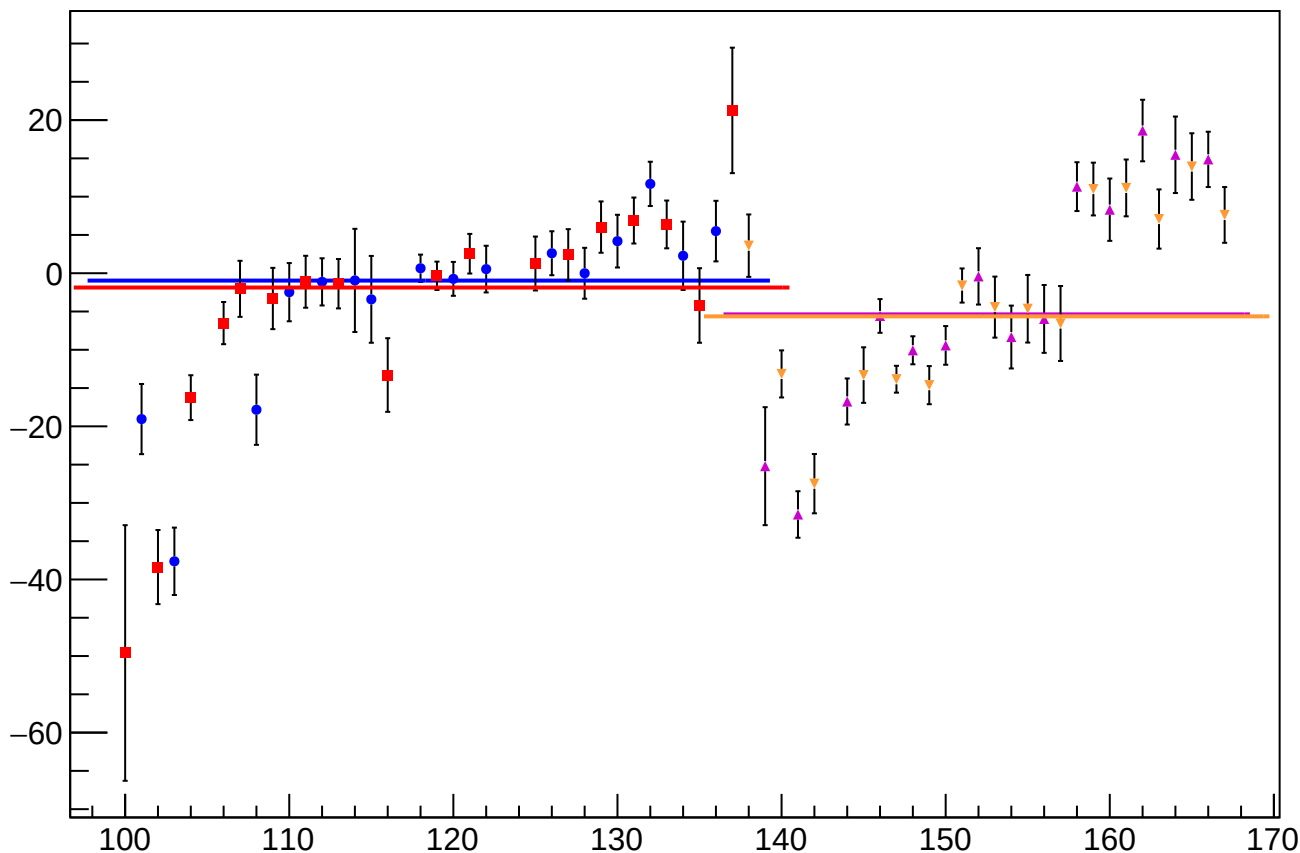
Left In: 230.118 ± 1.245 χ^2/NDF : 397.1/13

+ sign 165.015 ± 0.662 χ^2/NDF : 6058.4/30

All: 159.961 ± 0.457 χ^2/NDF : 14550.7/62

- sign 155.345 ± 0.632 χ^2/NDF : 8380.7/31

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963 ± 0.808 χ^2/NDF : 126.1/15

Left Out: -5.635 ± 0.815 χ^2/NDF : 173.9/14

Right Out: -1.869 ± 0.784 χ^2/NDF : 133.2/17

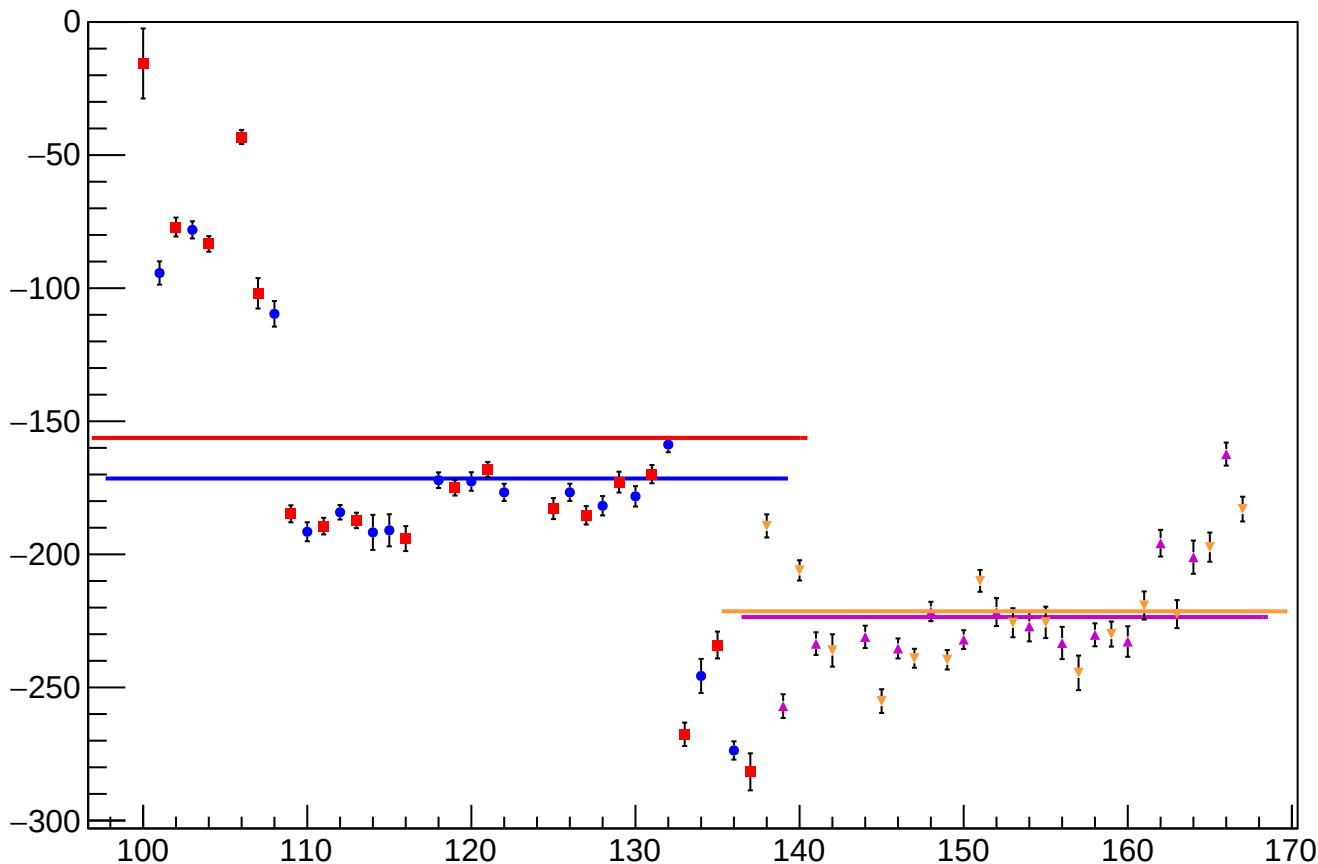
Left In: -5.377 ± 0.840 χ^2/NDF : 229.6/13

+ sign -3.279 ± 0.574 χ^2/NDF : 316.5/30

All: -3.390 ± 0.405 χ^2/NDF : 688.7/62

- sign -3.501 ± 0.573 χ^2/NDF : 372.1/31

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506 ± 0.907 χ^2/NDF : 2442.8/15

Left Out: -221.378 ± 1.200 χ^2/NDF : 295.9/14

Right Out: -156.260 ± 0.847 χ^2/NDF : 4904.3/17

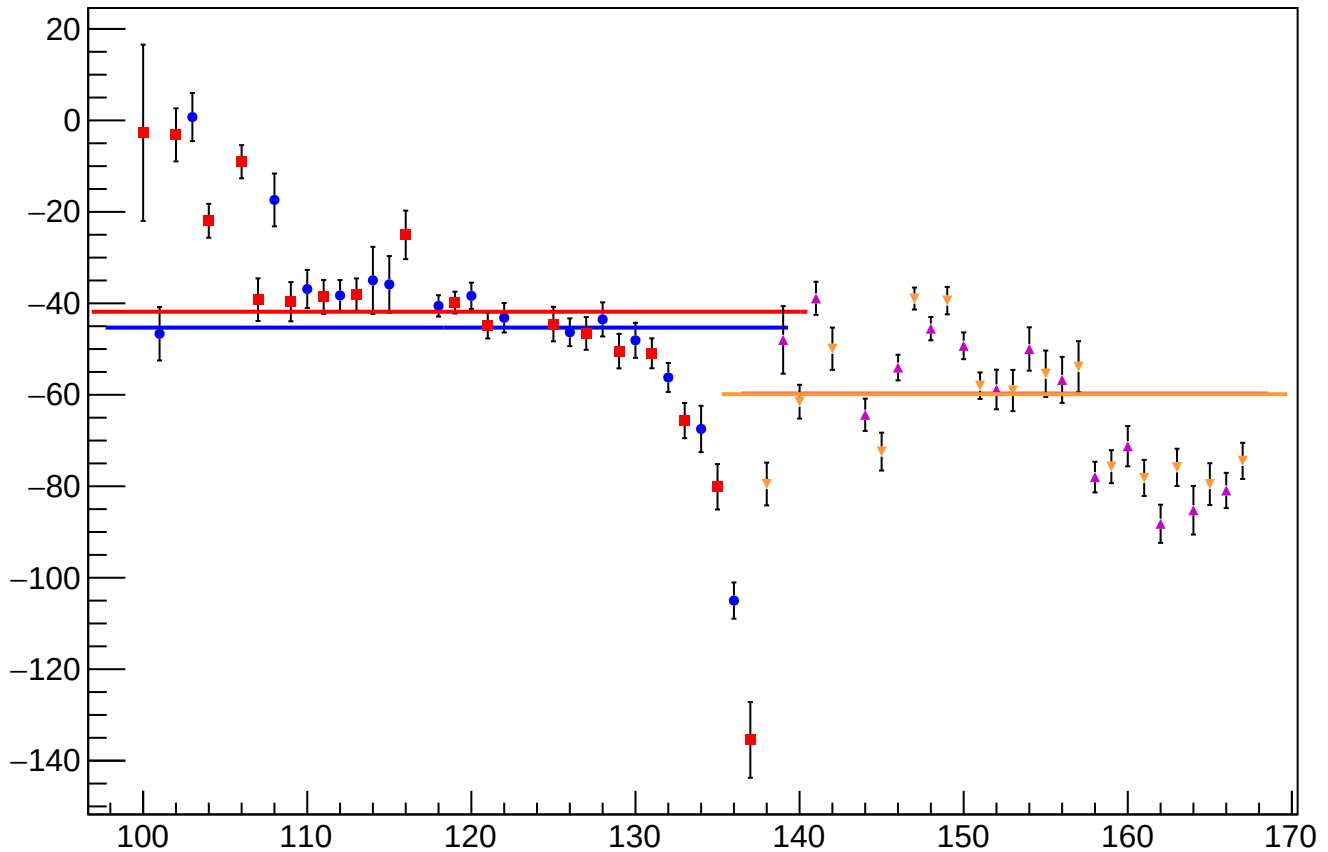
Left In: -223.554 ± 1.207 χ^2/NDF : 332.8/13

+ sign -189.638 ± 0.723 χ^2/NDF : 3838.4/30

All: -183.818 ± 0.501 χ^2/NDF : 11281.3/62

- sign -178.468 ± 0.694 χ^2/NDF : 7318.6/31

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304 ± 0.938 χ^2/NDF : 382.0/15

Left Out: -59.862 ± 0.971 χ^2/NDF : 244.5/14

Right Out: -41.832 ± 0.909 χ^2/NDF : 414.2/17

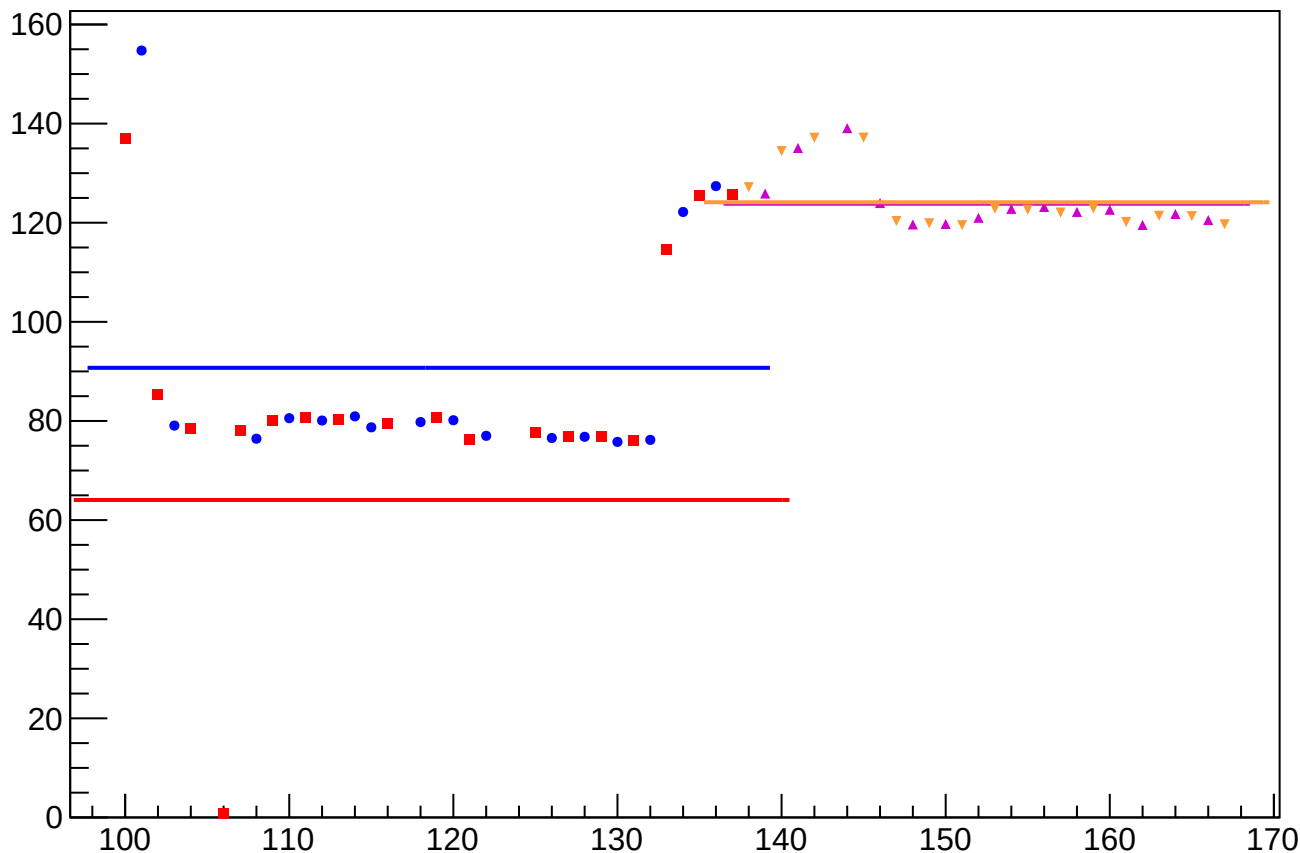
Left In: -59.745 ± 0.995 χ^2/NDF : 226.2/13

+ sign -52.327 ± 0.675 χ^2/NDF : 742.9/30

All: -51.152 ± 0.476 χ^2/NDF : 1566.1/62

- sign -49.988 ± 0.671 χ^2/NDF : 817.2/31

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726 $\pm$ 0.058 χ^2/NDF : 161153.0/15

Left Out: 124.133 $\pm$ 0.046 χ^2/NDF :16096.2/14

Right Out: 64.059 $\pm$ 0.049 χ^2/NDF : 660935.1/17

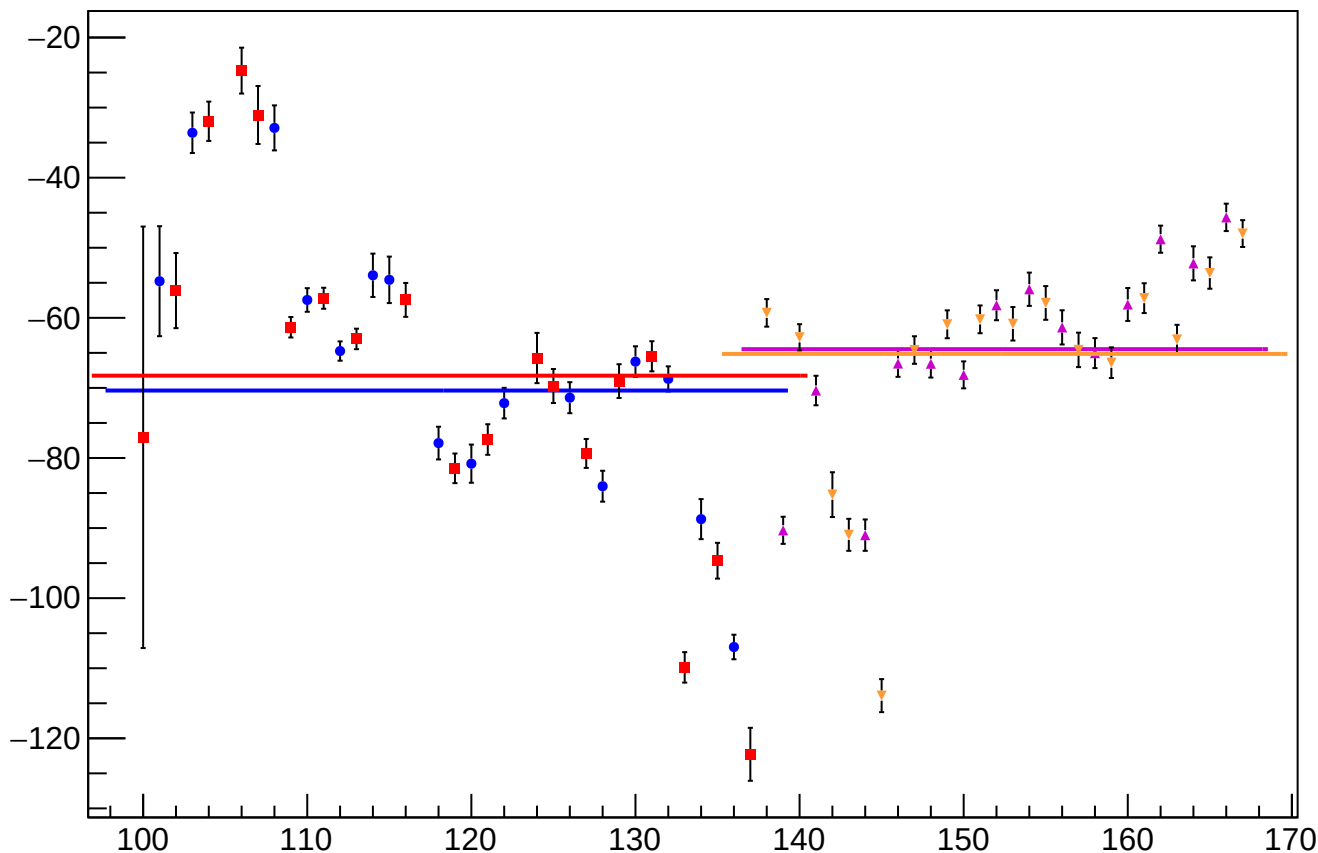
Left In: 123.833 $\pm$ 0.046 χ^2/NDF :13891.4/13

+ sign 111.216 $\pm$ 0.036 χ^2/NDF : 377385.5/30

All: 102.893 $\pm$ 0.025 χ^2/NDF : 1928038.9/62

- sign 95.694 $\pm$ 0.034 χ^2/NDF : 1452976.6/31

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374 ± 0.558 $\chi^2/\text{NDF}: 974.9/15$

Left Out: -65.147 ± 0.540 $\chi^2/\text{NDF}: 751.6/15$

Right Out: -68.252 ± 0.527 $\chi^2/\text{NDF}: 1306.0/18$

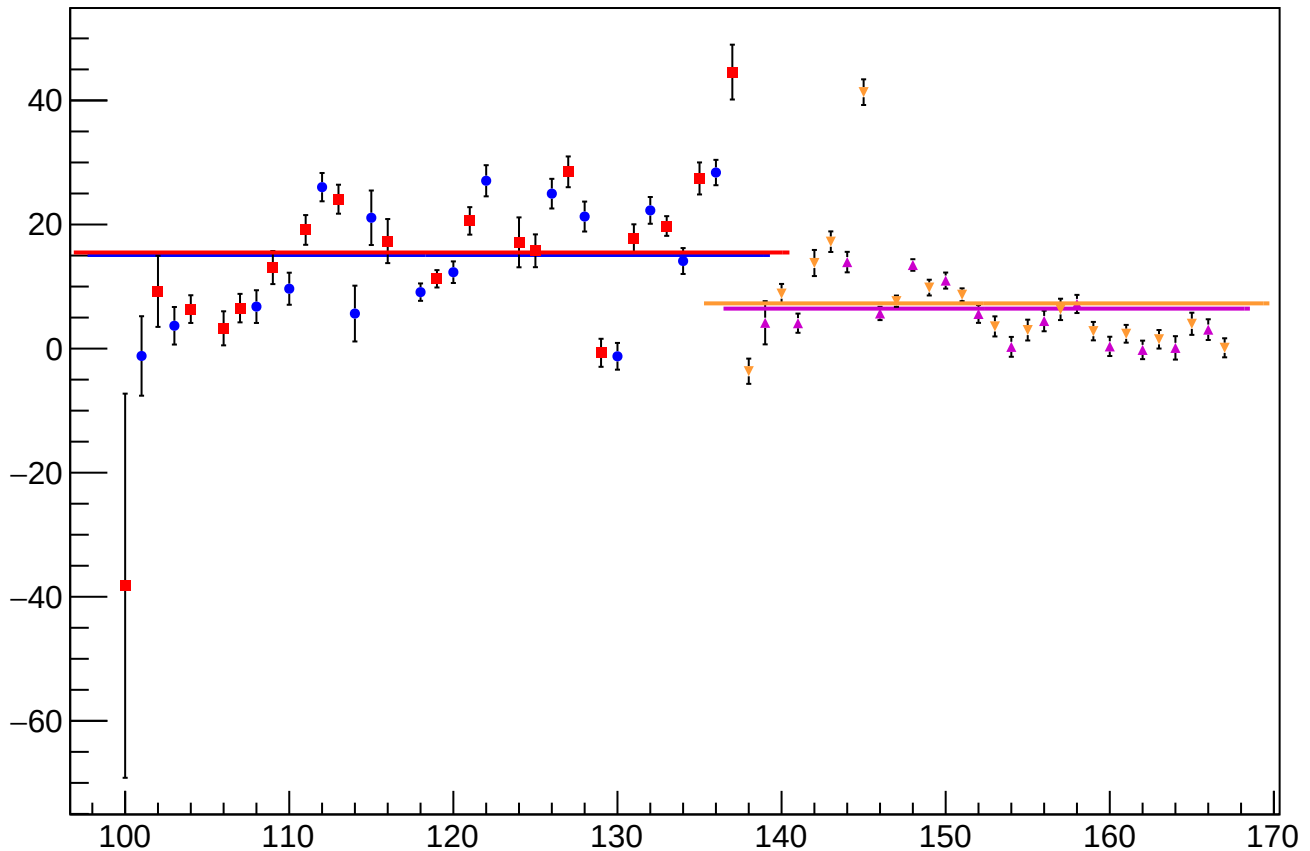
Left In: -64.470 ± 0.563 $\chi^2/\text{NDF}: 547.0/13$

+ sign -67.678 ± 0.388 $\chi^2/\text{NDF}: 1771.8/31$

All: -67.077 ± 0.273 $\chi^2/\text{NDF}: 3653.6/64$

- sign -66.487 ± 0.385 $\chi^2/\text{NDF}: 1877.0/32$

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: 7.289 $\pm$ 0.366 χ^2 /NDF: 425.3/15

Right Out: 15.491 $\pm$ 0.558 χ^2 /NDF: 239.3/18

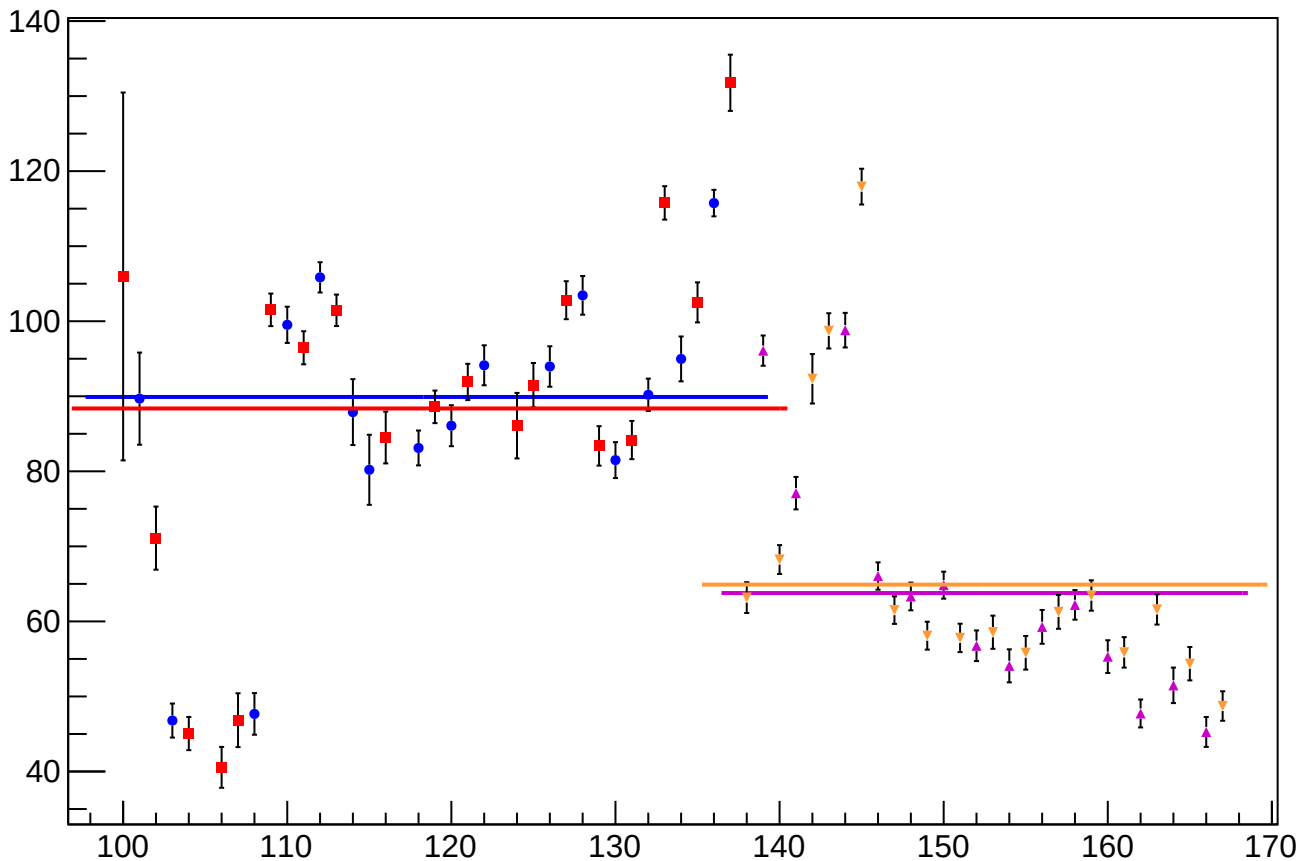
Left In: 6.444 $\pm$ 0.386 χ^2 /NDF: 160.4/13

+ sign 9.508 $\pm$ 0.310 χ^2 /NDF: 796.9/31

All: 9.443 $\pm$ 0.222 χ^2 /NDF: 1374.2/64

- sign 9.375 $\pm$ 0.318 χ^2 /NDF: 577.3/32

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: 64.905 $\pm$ 0.526 χ^2/NDF : 947.0/15

Right Out: 88.375 $\pm$ 0.617 χ^2/NDF : 1288.9/18

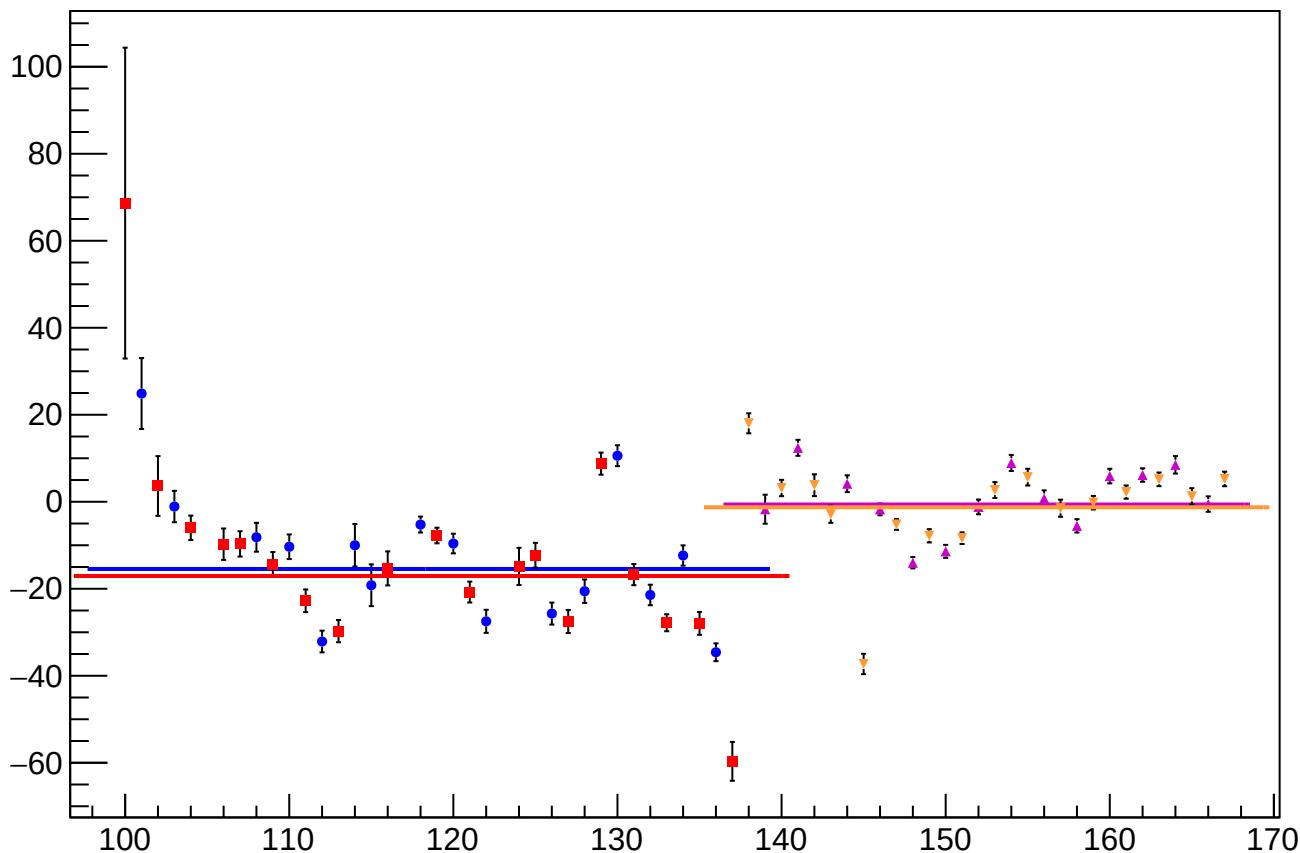
Left In: 63.782 $\pm$ 0.544 χ^2/NDF : 766.0/13

+ sign 74.965 $\pm$ 0.406 χ^2/NDF : 2804.8/31

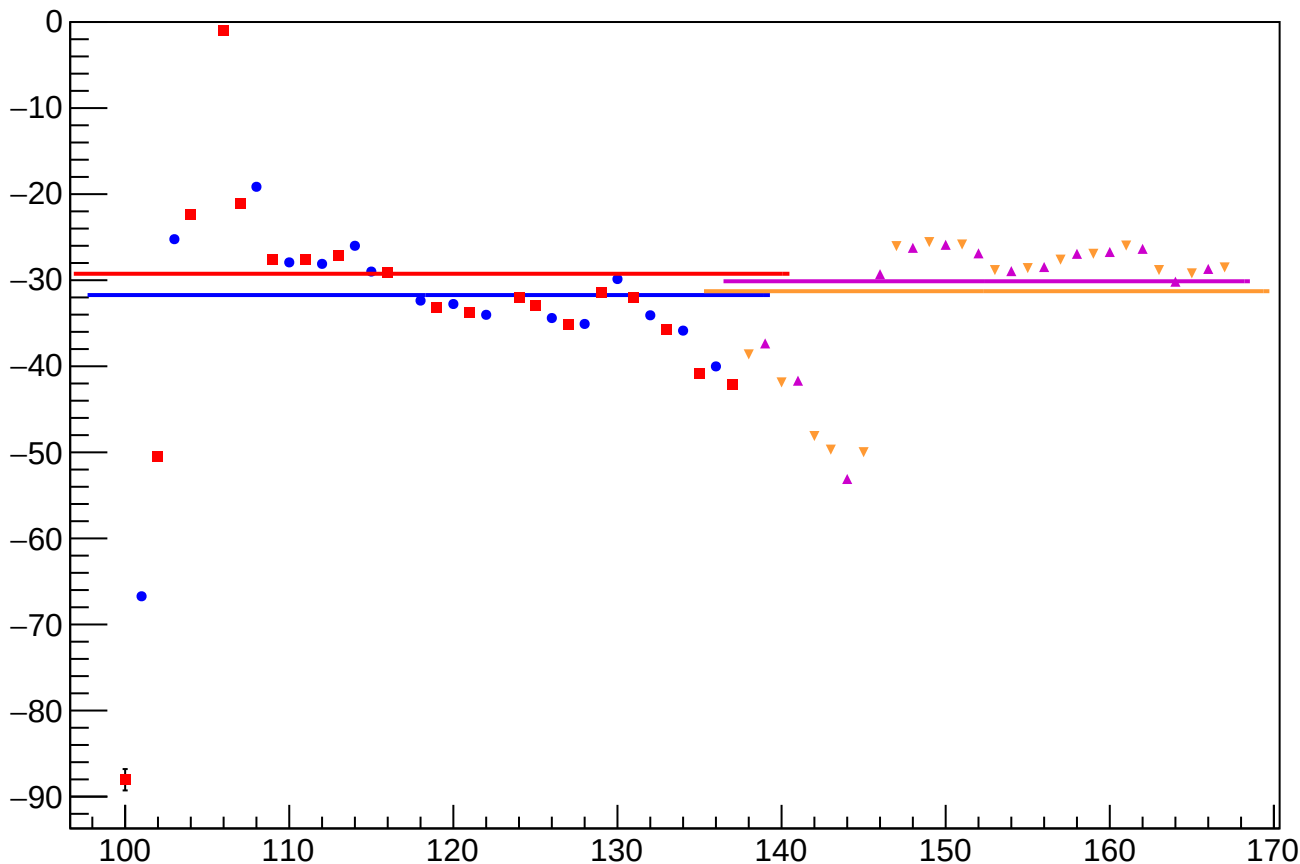
All: 74.747 $\pm$ 0.288 χ^2/NDF : 5753.6/64

- sign 74.527 $\pm$ 0.408 χ^2/NDF : 2948.2/32

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725 ± 0.039 χ^2/NDF : 39636.6/15

Left Out: -31.276 ± 0.020 χ^2/NDF : 146560.8/15

Right Out: -29.250 ± 0.038 χ^2/NDF : 95235.9/18

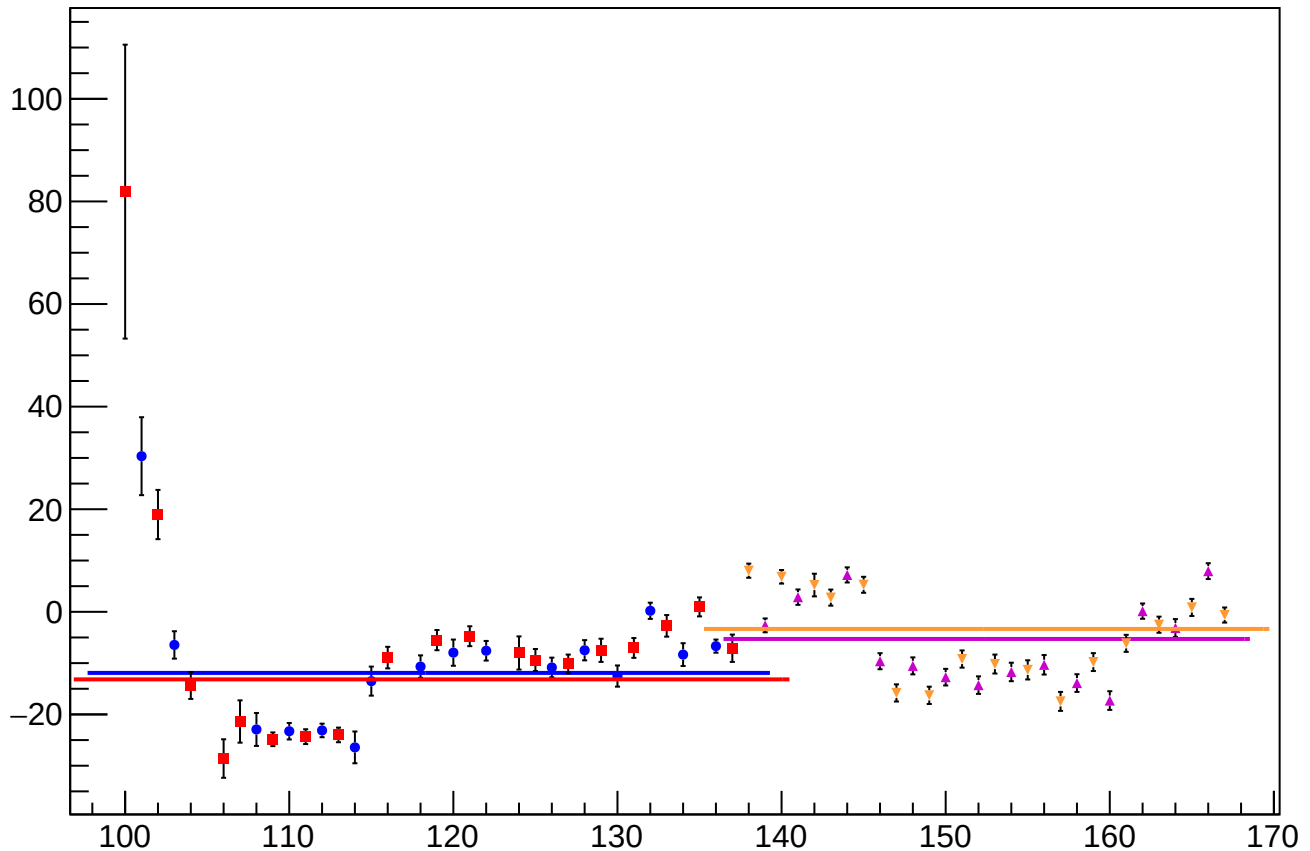
Left In: -30.122 ± 0.021 χ^2/NDF : 93038.1/13

+ sign -31.371 ± 0.018 χ^2/NDF : 186304.3/31

All: -30.667 ± 0.013 χ^2/NDF : 378225.1/64

- sign -29.929 ± 0.018 χ^2/NDF : 188674.8/32

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906 ± 0.497 χ^2/NDF : 282.1/15

Left Out: -3.336 ± 0.409 χ^2/NDF : 430.8/15

Right Out: -13.169 ± 0.480 χ^2/NDF : 421.5/18

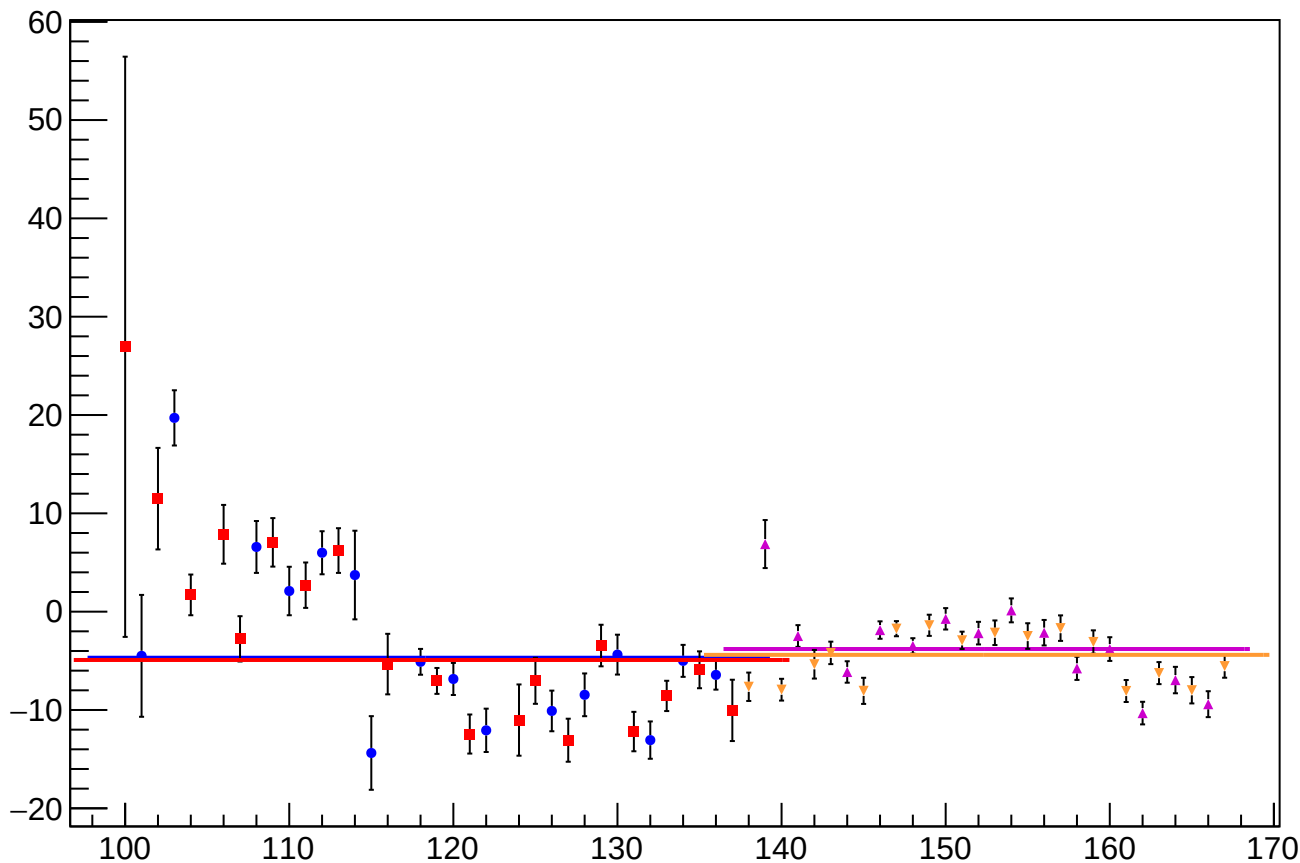
Left In: -5.289 ± 0.431 χ^2/NDF : 347.7/13

+ sign -6.801 ± 0.316 χ^2/NDF : 890.2/31

All: -7.789 ± 0.225 χ^2/NDF : 1828.3/64

- sign -8.810 ± 0.321 χ^2/NDF : 918.2/32

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686 ± 0.517 χ^2/NDF : 179.0/15

Left Out: -4.393 ± 0.285 χ^2/NDF : 78.6/15

Right Out: -4.913 ± 0.513 χ^2/NDF : 155.9/18

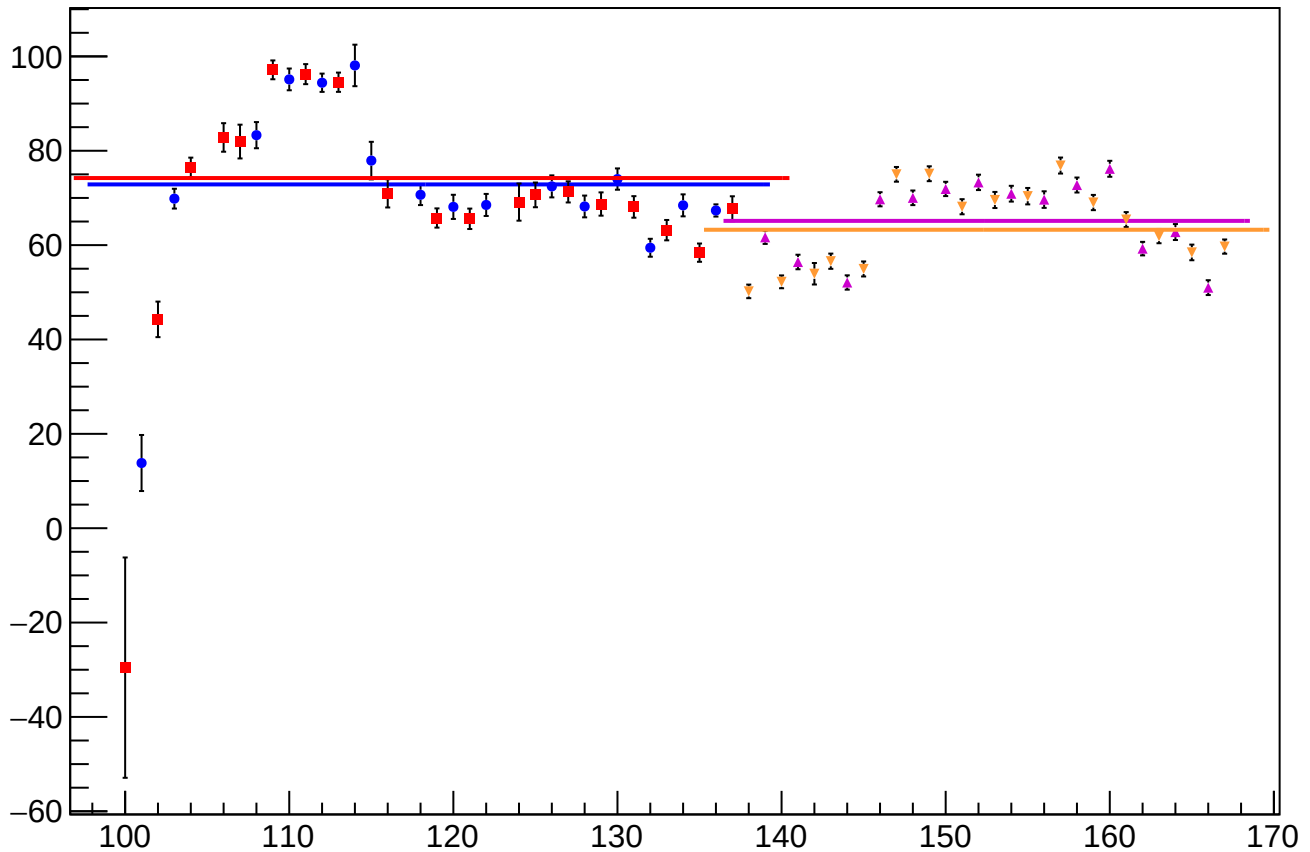
Left In: -3.798 ± 0.303 χ^2/NDF : 110.6/13

+ sign -4.461 ± 0.249 χ^2/NDF : 257.9/31

All: -4.282 ± 0.180 χ^2/NDF : 528.9/64

- sign -4.086 ± 0.261 χ^2/NDF : 270.0/32

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: 63.257 $\pm$ 0.400 χ^2 /NDF: 455.8/15

Right Out: 74.217 $\pm$ 0.562 χ^2 /NDF: 586.2/18

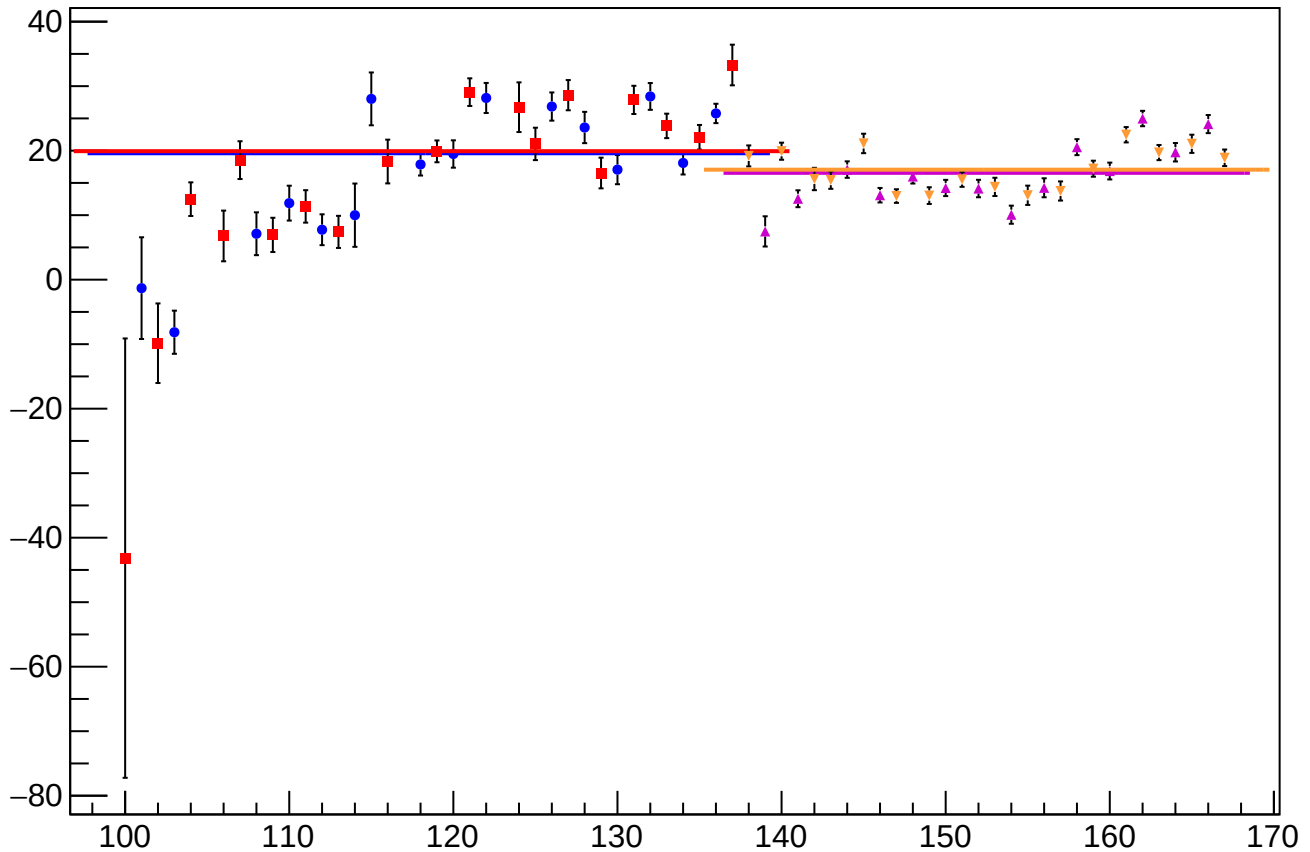
Left In: 65.138 $\pm$ 0.419 χ^2 /NDF: 360.0/13

+ sign 66.466 $\pm$ 0.327 χ^2 /NDF: 1098.9/31

All: 67.395 $\pm$ 0.234 χ^2 /NDF: 2229.5/64

- sign 68.377 $\pm$ 0.336 χ^2 /NDF: 1113.9/32

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598 ± 0.585 χ^2/NDF : 196.0/15

Left Out: 17.051 ± 0.331 χ^2/NDF : 93.7/15

Right Out: 19.919 ± 0.585 χ^2/NDF : 181.3/18

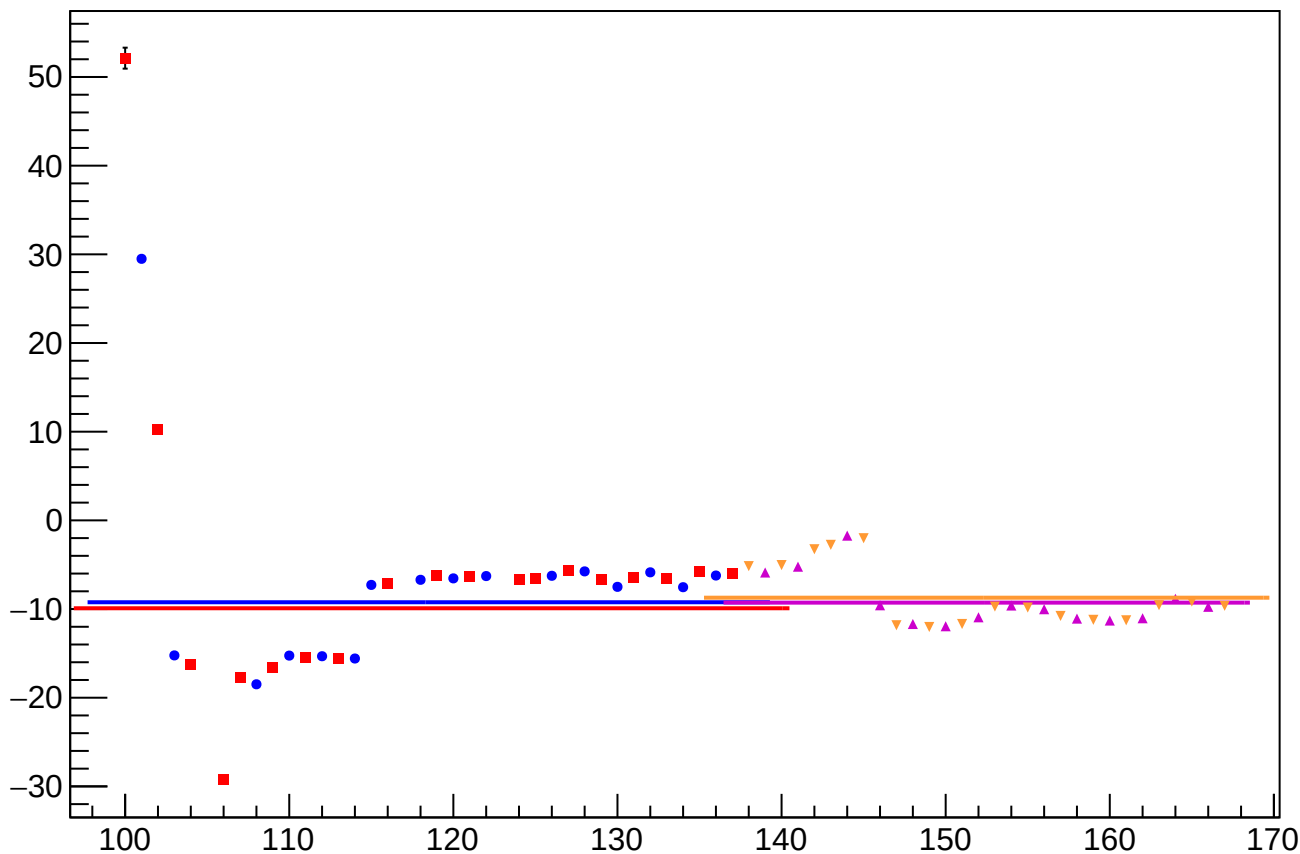
Left In: 16.563 ± 0.351 χ^2/NDF : 159.2/13

+ sign 17.669 ± 0.288 χ^2/NDF : 304.1/31

All: 17.565 ± 0.208 χ^2/NDF : 669.0/64

- sign 17.452 ± 0.301 χ^2/NDF : 364.6/32

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235 ± 0.033 χ^2/NDF : 31159.3/15

Left Out: -8.721 ± 0.015 χ^2/NDF : 43910.7/15

Right Out: -9.913 ± 0.034 χ^2/NDF : 53863.3/18

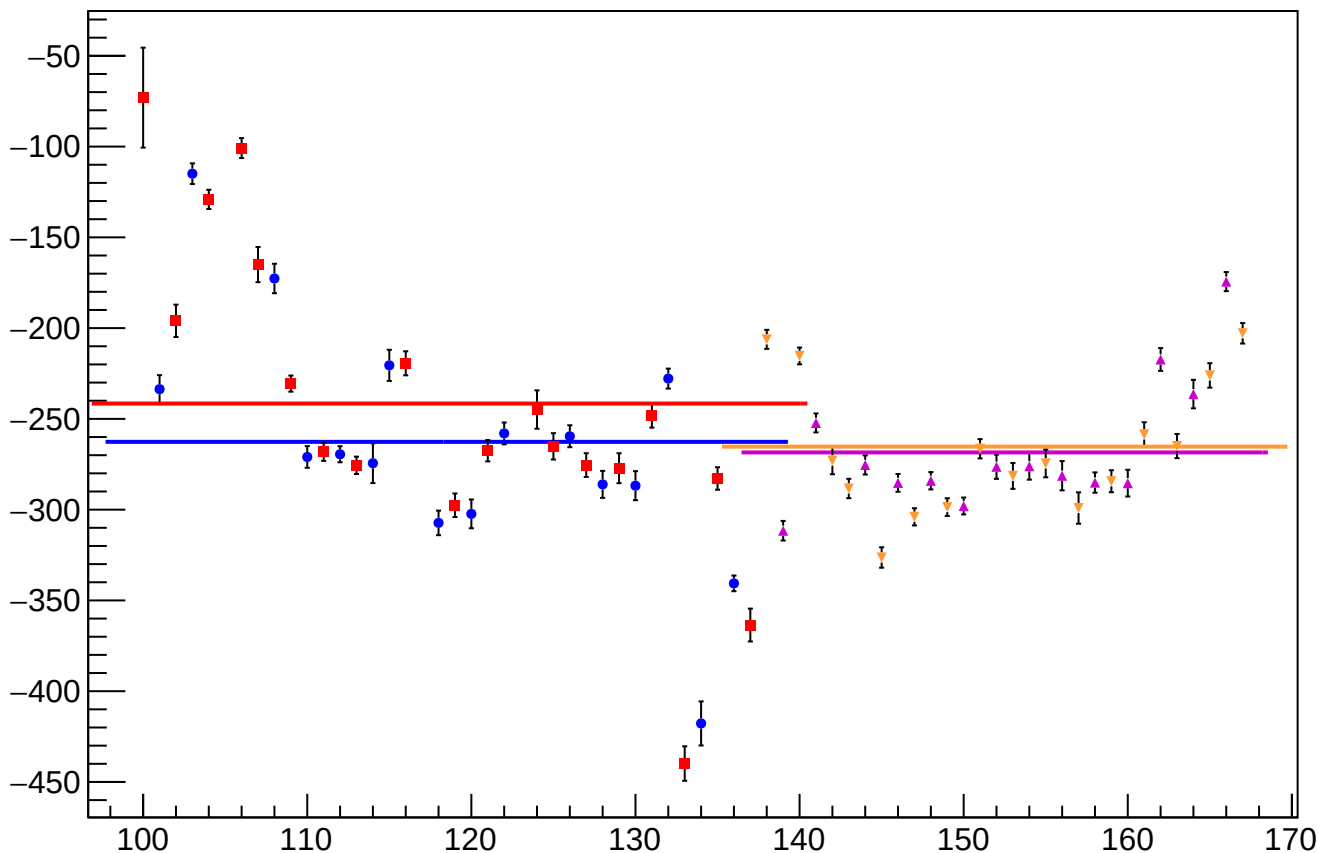
Left In: -9.278 ± 0.016 χ^2/NDF : 28930.7/13

+ sign -8.811 ± 0.014 χ^2/NDF : 75272.1/31

All: -9.088 ± 0.010 χ^2/NDF : 159189.3/64

- sign -9.389 ± 0.014 χ^2/NDF : 83074.4/32

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF : 1454.3/15

Left Out: -265.288+/-1.466 χ^2/NDF : 684.0/15

Right Out: -241.548+/-1.506 χ^2/NDF : 2138.6/18

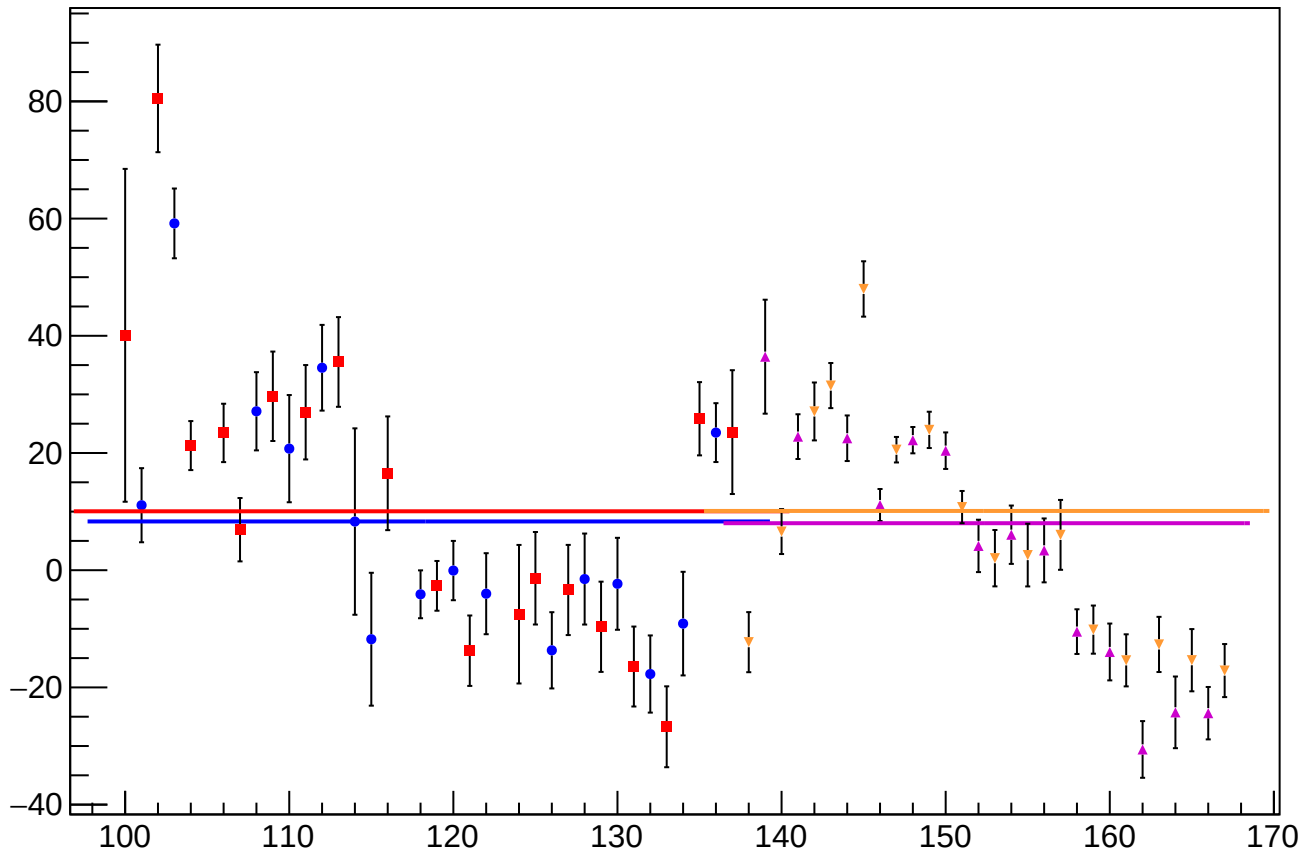
Left In: -268.473+/-1.538 χ^2/NDF : 561.2/13

+ sign -264.093+/-1.085 χ^2/NDF : 2139.7/31

All: -259.371+/-0.764 χ^2/NDF : 5033.4/64

- sign -254.727+/-1.076 χ^2/NDF : 2856.1/32

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320 ± 1.644 χ^2/NDF : 157.6/15

Left Out: 10.111 ± 0.975 χ^2/NDF : 315.0/15

Right Out: 10.052 ± 1.539 χ^2/NDF : 187.4/18

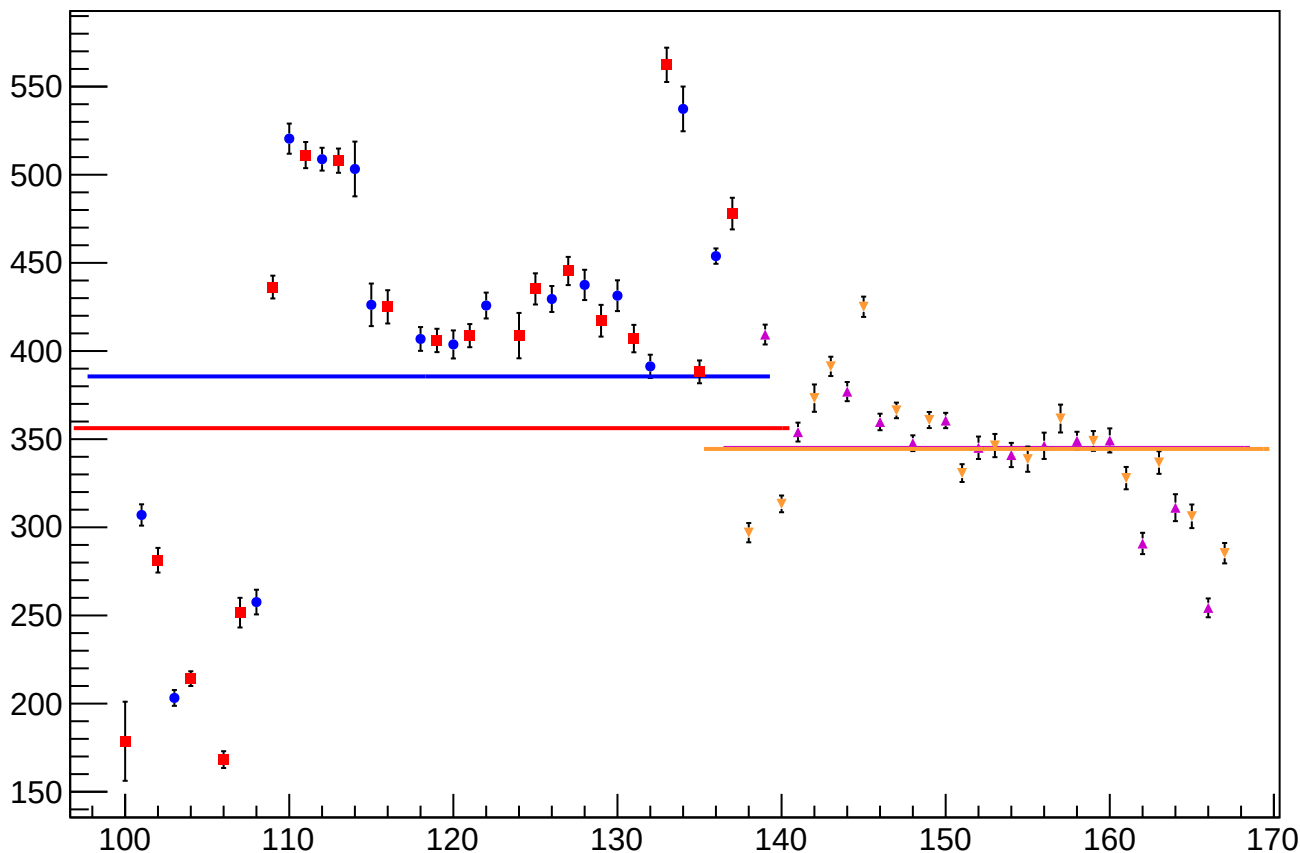
Left In: 8.019 ± 1.034 χ^2/NDF : 284.1/13

+ sign 9.645 ± 0.839 χ^2/NDF : 473.6/31

All: 9.160 ± 0.600 χ^2/NDF : 946.9/64

- sign 8.652 ± 0.858 χ^2/NDF : 472.7/32

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: 344.462 $\pm$ 1.431 χ^2 /NDF: 597.8/15

Right Out: 356.245 $\pm$ 1.647 χ^2 /NDF: 5270.3/18

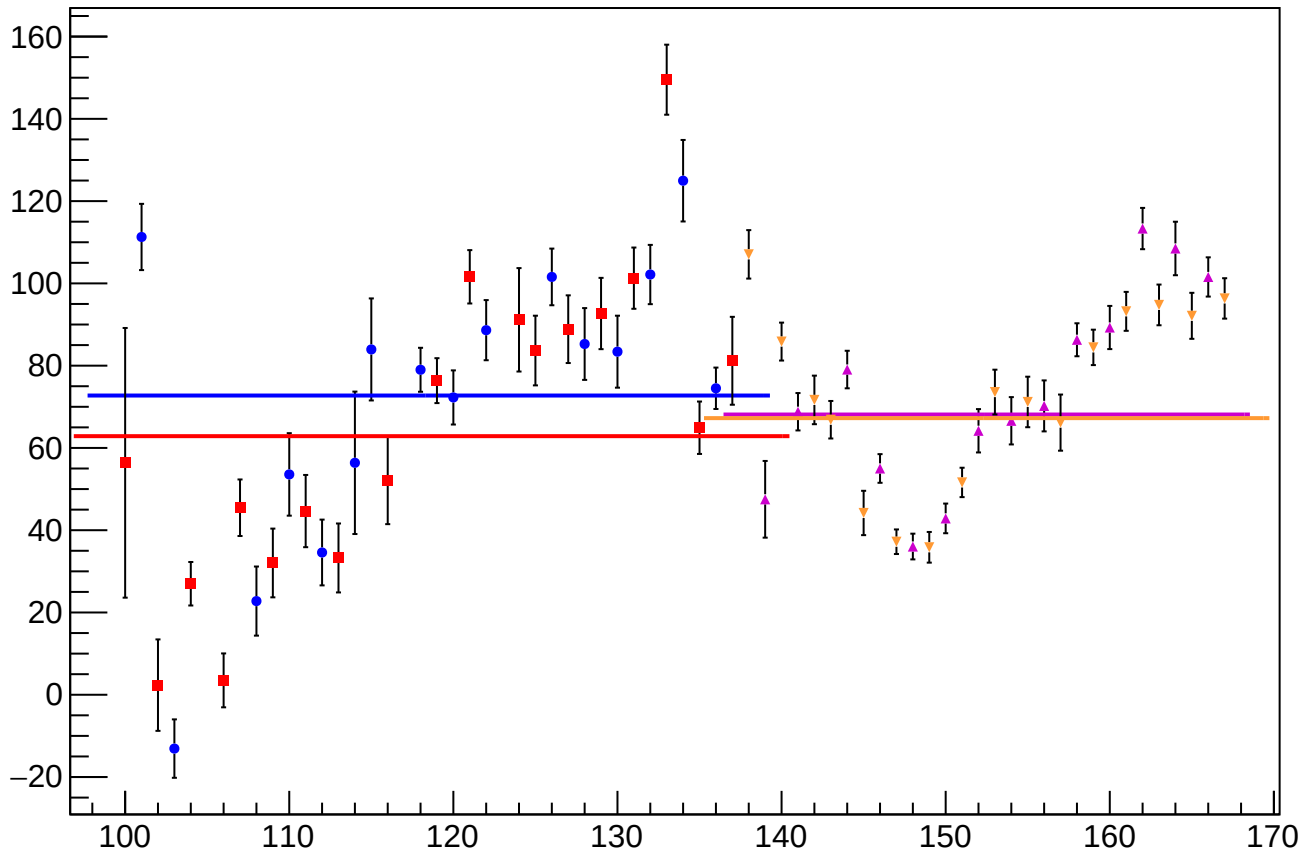
Left In: 345.037 $\pm$ 1.489 χ^2 /NDF: 579.6/13

+ sign 361.033 $\pm$ 1.106 χ^2 /NDF: 4303.6/31

All: 355.549 $\pm$ 0.781 χ^2 /NDF: 10228.0/64

- sign 350.080 $\pm$ 1.104 χ^2 /NDF: 5875.3/32

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: 67.245 $\pm$ 1.159 χ^2 /NDF: 405.6/15

Right Out: 62.863 $\pm$ 1.795 χ^2 /NDF: 403.6/18

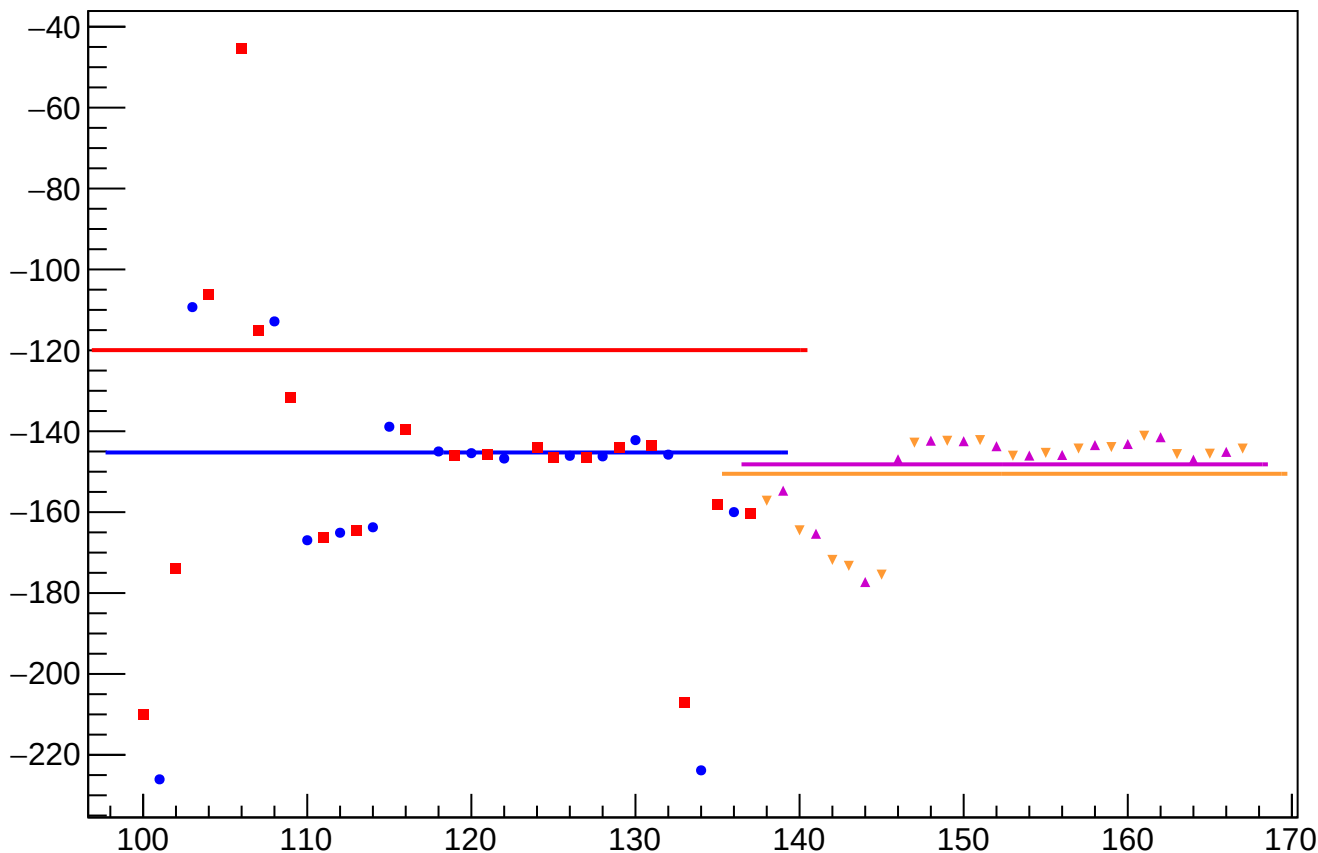
Left In: 68.122 $\pm$ 1.224 χ^2 /NDF: 385.5/13

+ sign 68.739 $\pm$ 0.989 χ^2 /NDF: 716.0/31

All: 67.621 $\pm$ 0.707 χ^2 /NDF: 1513.6/64

- sign 66.452 $\pm$ 1.011 χ^2 /NDF: 795.0/32

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF : 132057.3/15

Left Out: -150.517+/-0.056 χ^2/NDF : 42747.5/15

Right Out: -119.947+/-0.089 χ^2/NDF : 270354.1/18

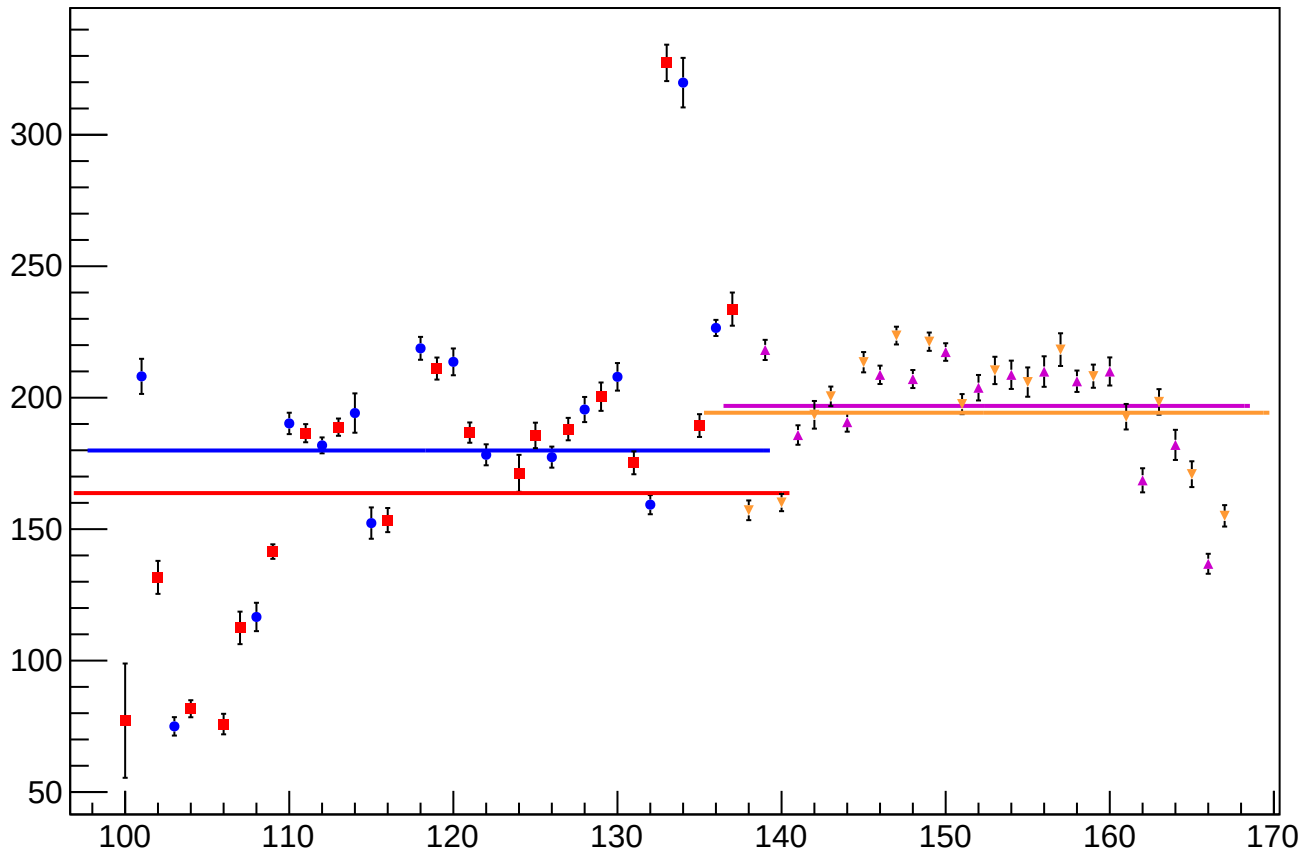
Left In: -148.181+/-0.057 χ^2/NDF : 26396.7/13

+ sign -149.243+/-0.048 χ^2/NDF : 176983.5/31

All: -144.561+/-0.034 χ^2/NDF : 563655.6/64

- sign -139.922+/-0.048 χ^2/NDF : 368000.7/32

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918 $\pm$ 1.089 χ^2 /NDF: 1732.7/15

Left Out: 194.280 $\pm$ 1.048 χ^2 /NDF: 525.4/15

Right Out: 163.718 $\pm$ 1.001 χ^2 /NDF: 2416.8/18

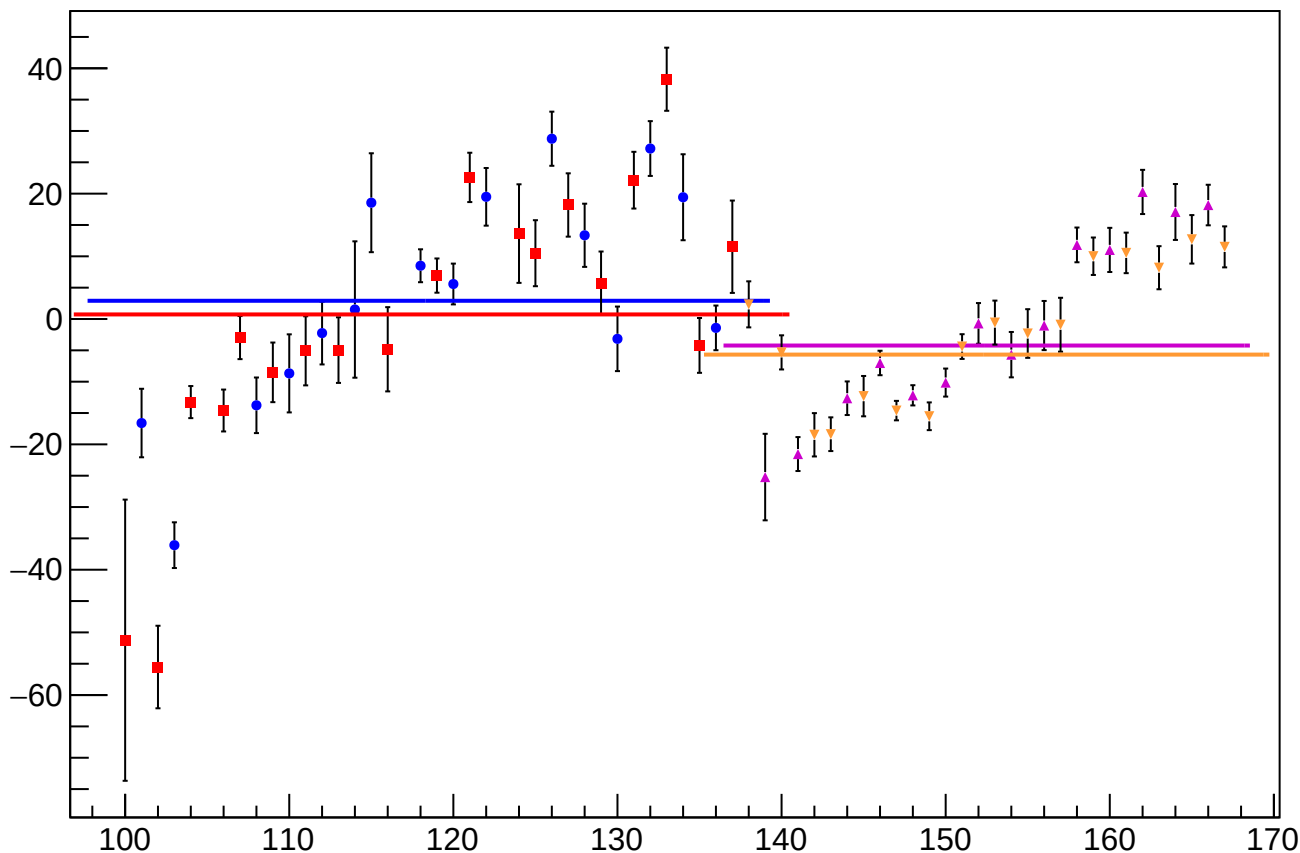
Left In: 196.879 $\pm$ 1.102 χ^2 /NDF: 418.9/13

+ sign 187.375 $\pm$ 0.755 χ^2 /NDF: 2348.4/31

All: 182.957 $\pm$ 0.529 χ^2 /NDF: 5747.5/64

- sign 178.701 $\pm$ 0.741 χ^2 /NDF: 3331.9/32

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907 ± 1.105 χ^2/NDF : 247.5/15

Left Out: -5.679 ± 0.697 χ^2/NDF : 221.7/15

Right Out: 0.729 ± 1.012 χ^2/NDF : 273.6/18

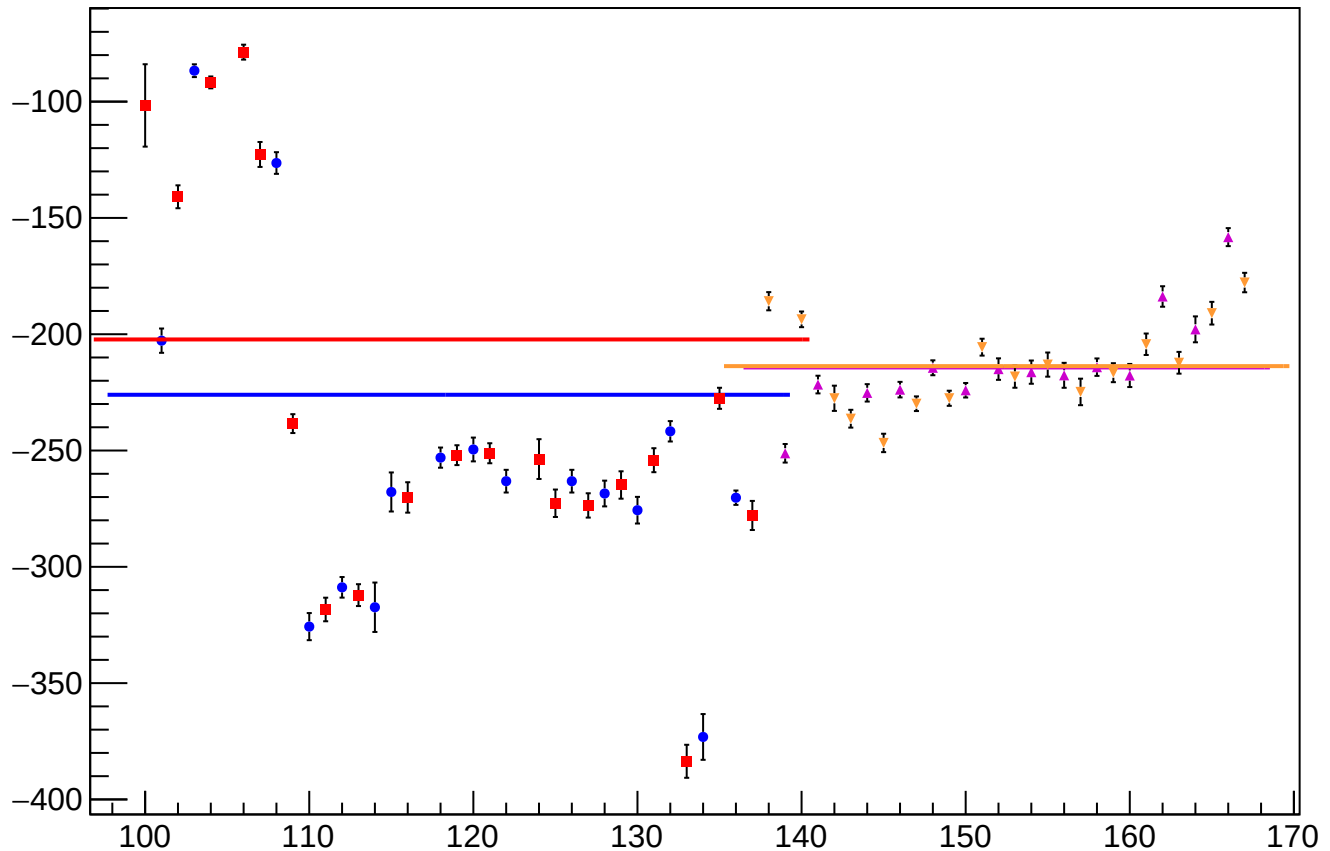
Left In: -4.232 ± 0.742 χ^2/NDF : 266.7/13

+ sign -3.234 ± 0.590 χ^2/NDF : 512.4/31

All: -2.871 ± 0.420 χ^2/NDF : 1069.1/64

- sign -2.498 ± 0.598 χ^2/NDF : 555.9/32

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028 $\pm$ 1.175 χ^2 /NDF: 4539.0/15

Left Out: -213.714 $\pm$ 1.024 χ^2 /NDF: 352.0/15

Right Out: -202.247 $\pm$ 1.087 χ^2 /NDF: 6690.8/18

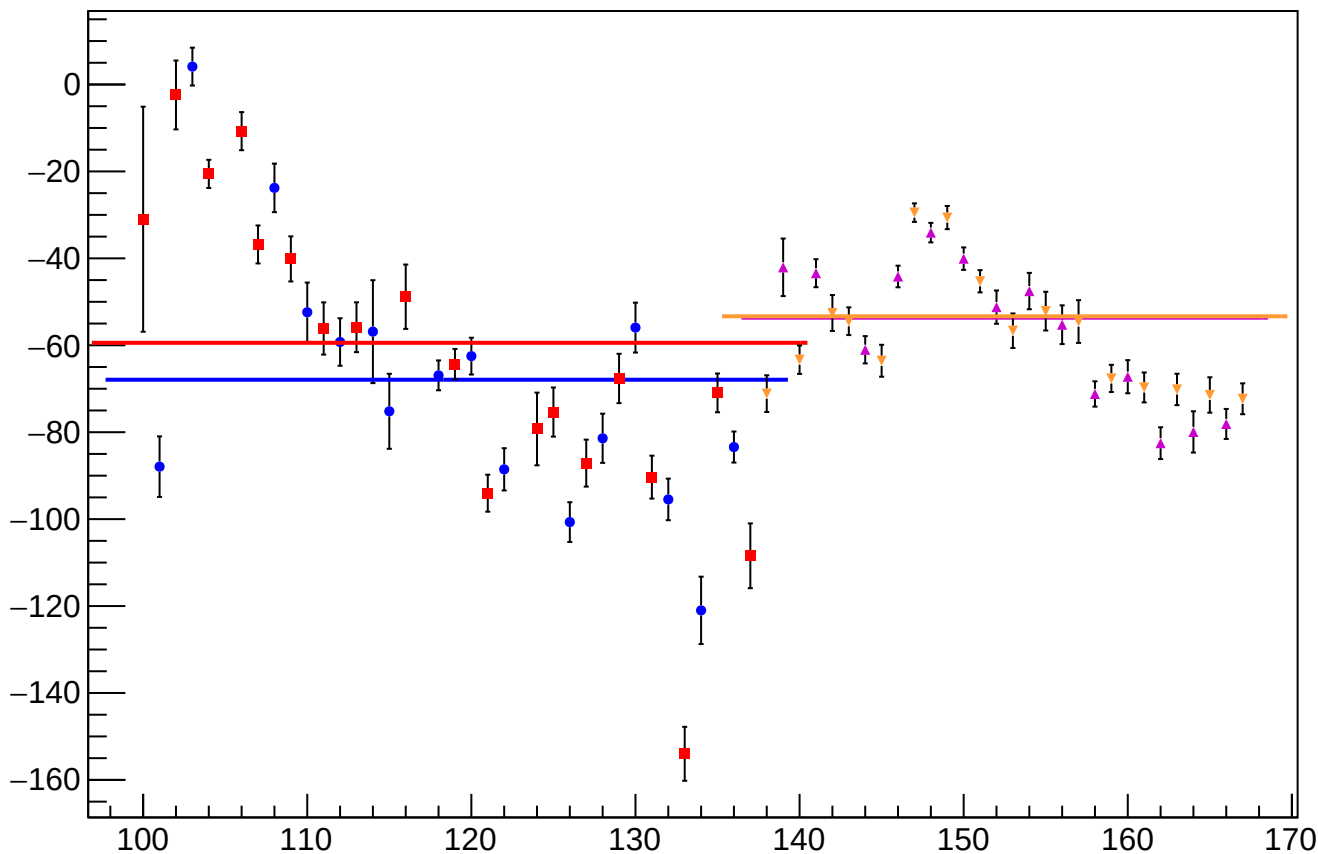
Left In: -214.286 $\pm$ 1.068 χ^2 /NDF: 382.8/13

+ sign -219.029 $\pm$ 0.772 χ^2 /NDF: 4953.5/31

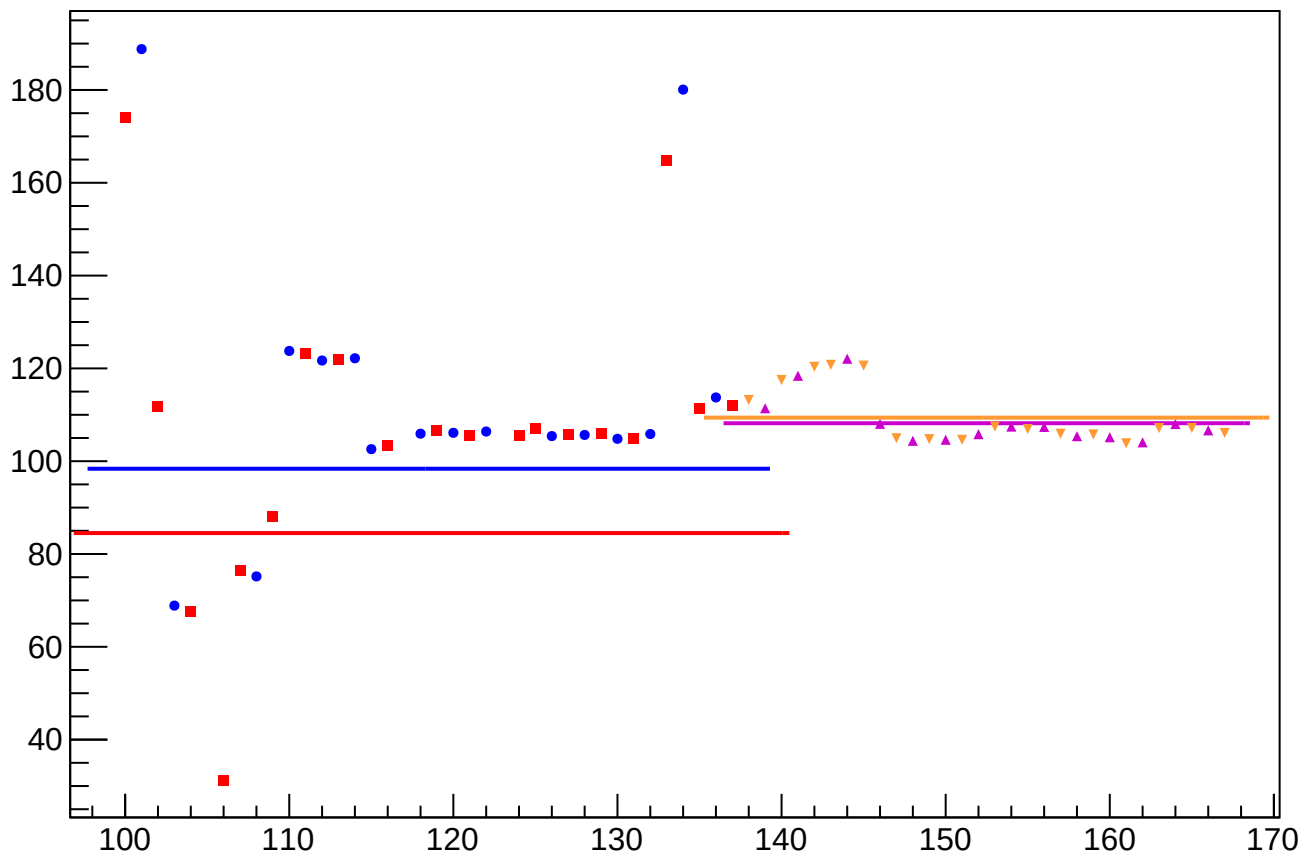
All: -213.631 $\pm$ 0.542 χ^2 /NDF: 12186.0/64

- sign -208.372 $\pm$ 0.762 χ^2 /NDF: 7136.0/32

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF : 228419.7/15

Left Out: 109.390+/-0.040 χ^2/NDF : 22653.8/15

Right Out: 84.512+/-0.061 χ^2/NDF : 268911.0/18

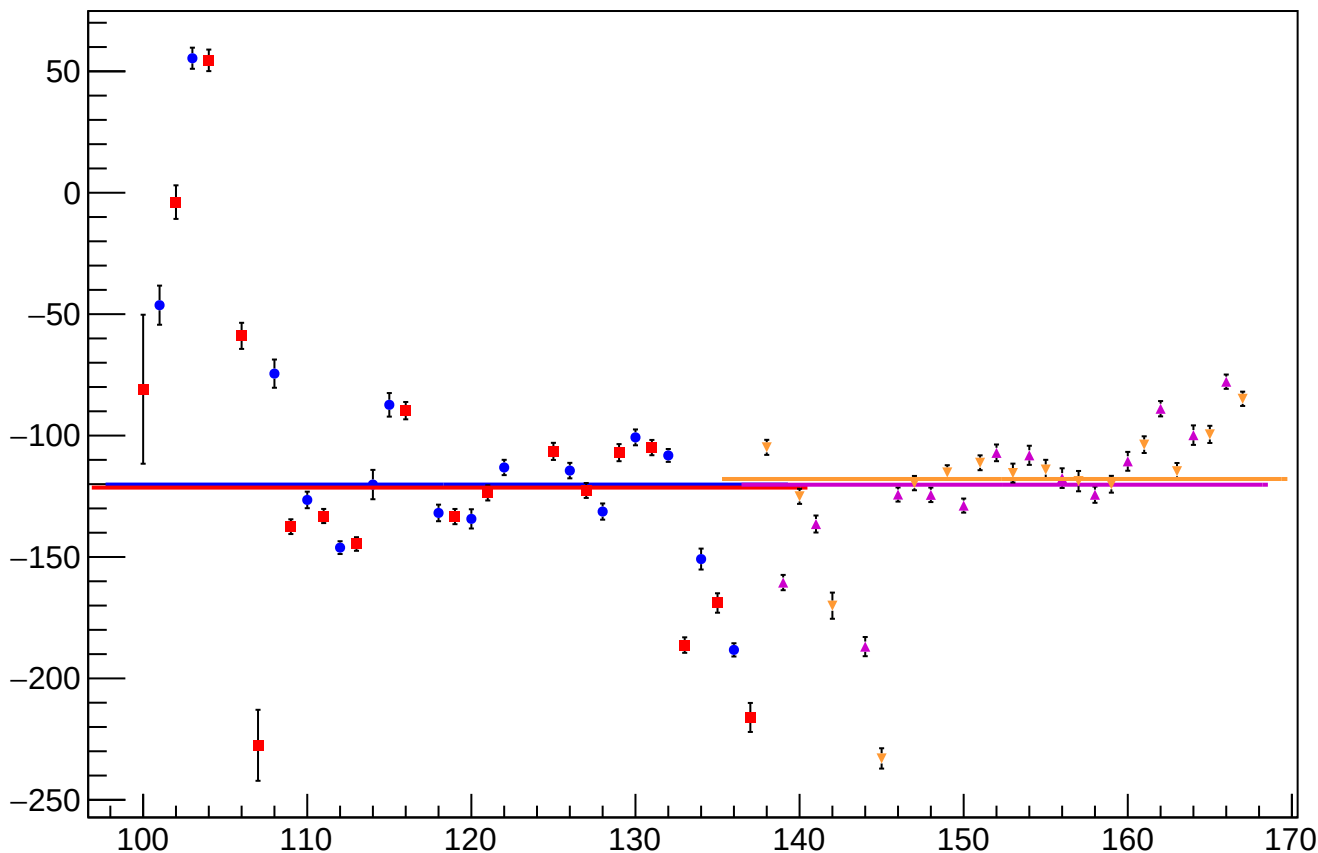
Left In: 108.189+/-0.041 χ^2/NDF : 15084.6/13

+ sign 106.456+/-0.034 χ^2/NDF : 271474.1/31

All: 103.590+/-0.024 χ^2/NDF : 674076.1/64

- sign 100.735+/-0.034 χ^2/NDF : 388490.4/32

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: -117.874+/-0.888 χ^2/NDF : 1050.2/14

Right Out: -121.418+/-0.875 χ^2/NDF : 3126.3/17

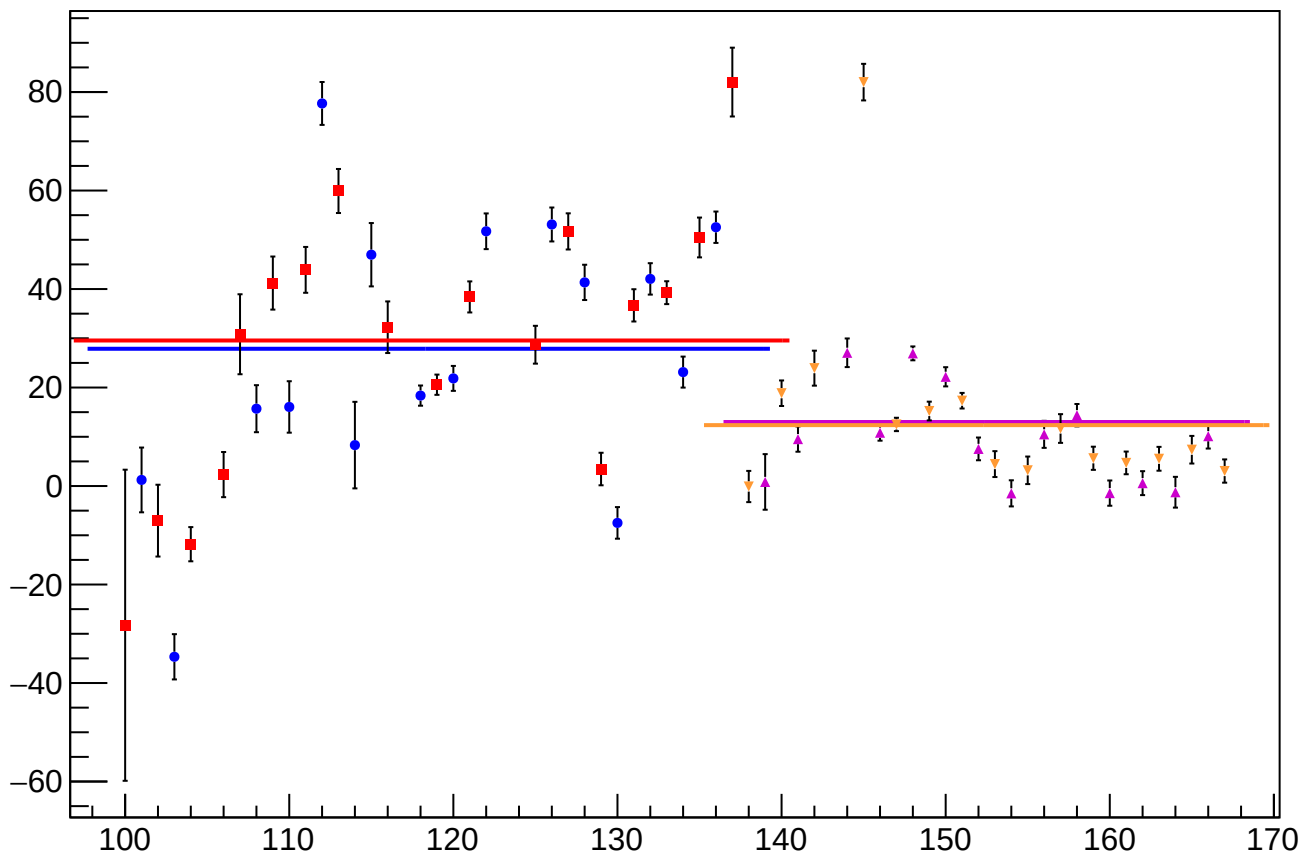
Left In: -120.235+/-0.898 χ^2/NDF : 846.1/13

+ sign -119.022+/-0.629 χ^2/NDF : 3744.7/30

All: -119.935+/-0.444 χ^2/NDF : 7722.2/62

- sign -120.842+/-0.627 χ^2/NDF : 3973.3/31

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.872 ± 0.888 χ^2/NDF : 699.6/15

Left Out: 12.366 ± 0.592 χ^2/NDF : 461.9/14

Right Out: 29.553 ± 0.890 χ^2/NDF : 497.5/17

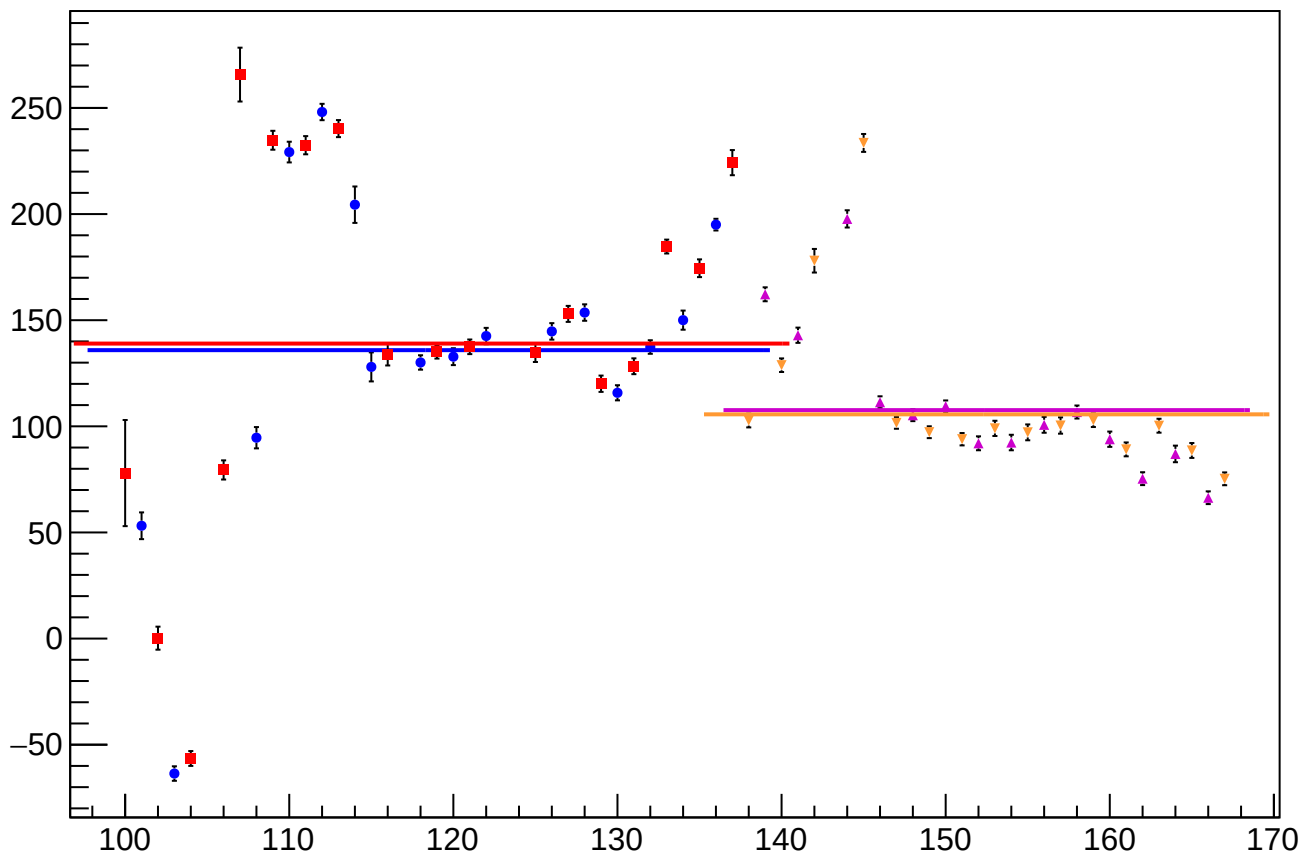
Left In: 12.999 ± 0.610 χ^2/NDF : 268.2/13

+ sign 17.134 ± 0.493 χ^2/NDF : 1372.6/30

All: 17.701 ± 0.352 χ^2/NDF : 2376.5/62

- sign 18.293 ± 0.503 χ^2/NDF : 1001.2/31

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: 105.646 $\pm$ 0.860 χ^2 /NDF:1332.0/14

Right Out: 138.985 $\pm$ 0.998 χ^2 /NDF: 6156.4/17

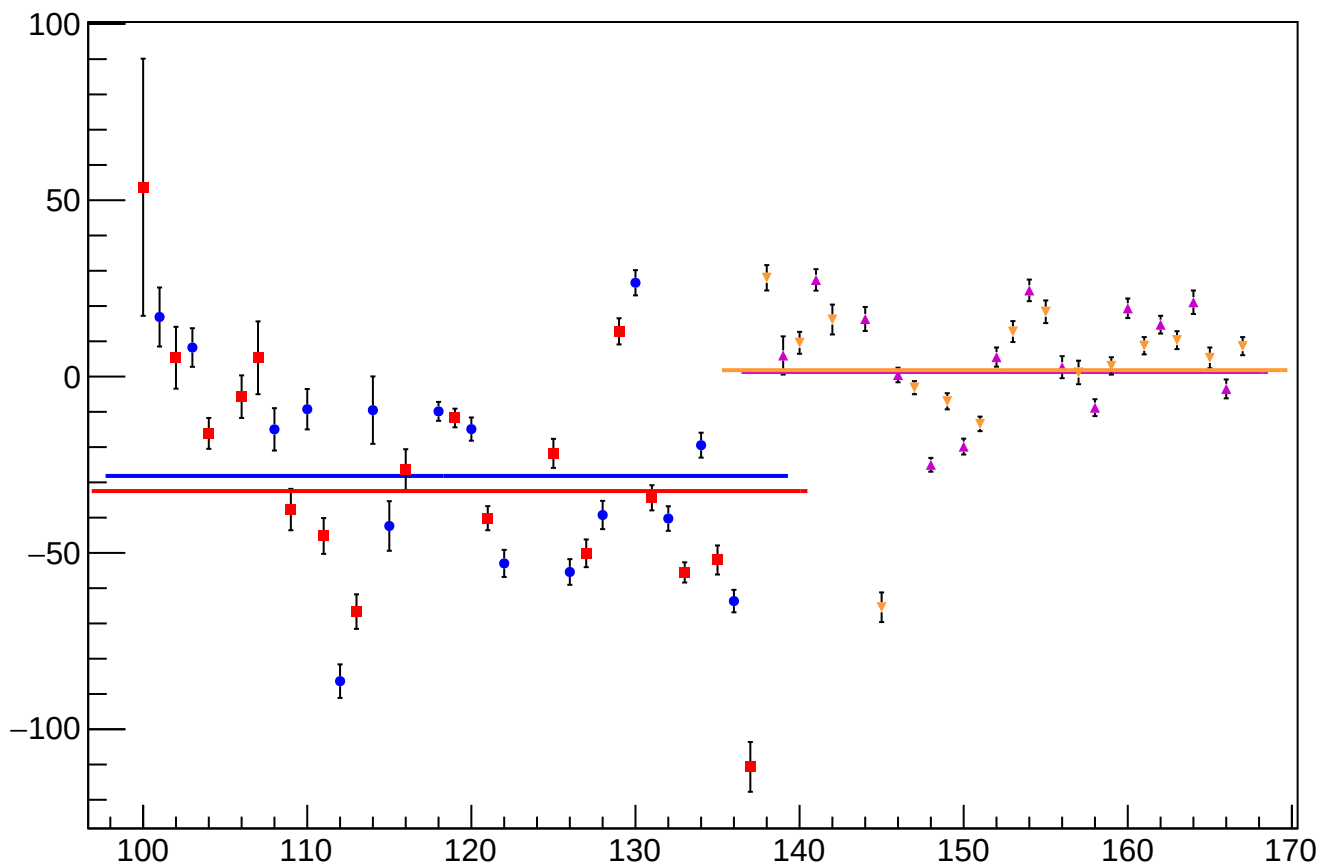
Left In: 107.629 $\pm$ 0.867 χ^2 /NDF:1254.6/13

+ sign 118.525 $\pm$ 0.652 χ^2 /NDF: 7322.0/30

All: 119.811 $\pm$ 0.462 χ^2 /NDF: 15303.3/62

- sign 121.109 $\pm$ 0.655 χ^2 /NDF: 7973.5/31

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: 1.813 ± 0.697 χ^2/NDF : 471.3/14

Right Out: -32.459 ± 1.027 χ^2/NDF : 580.8/17

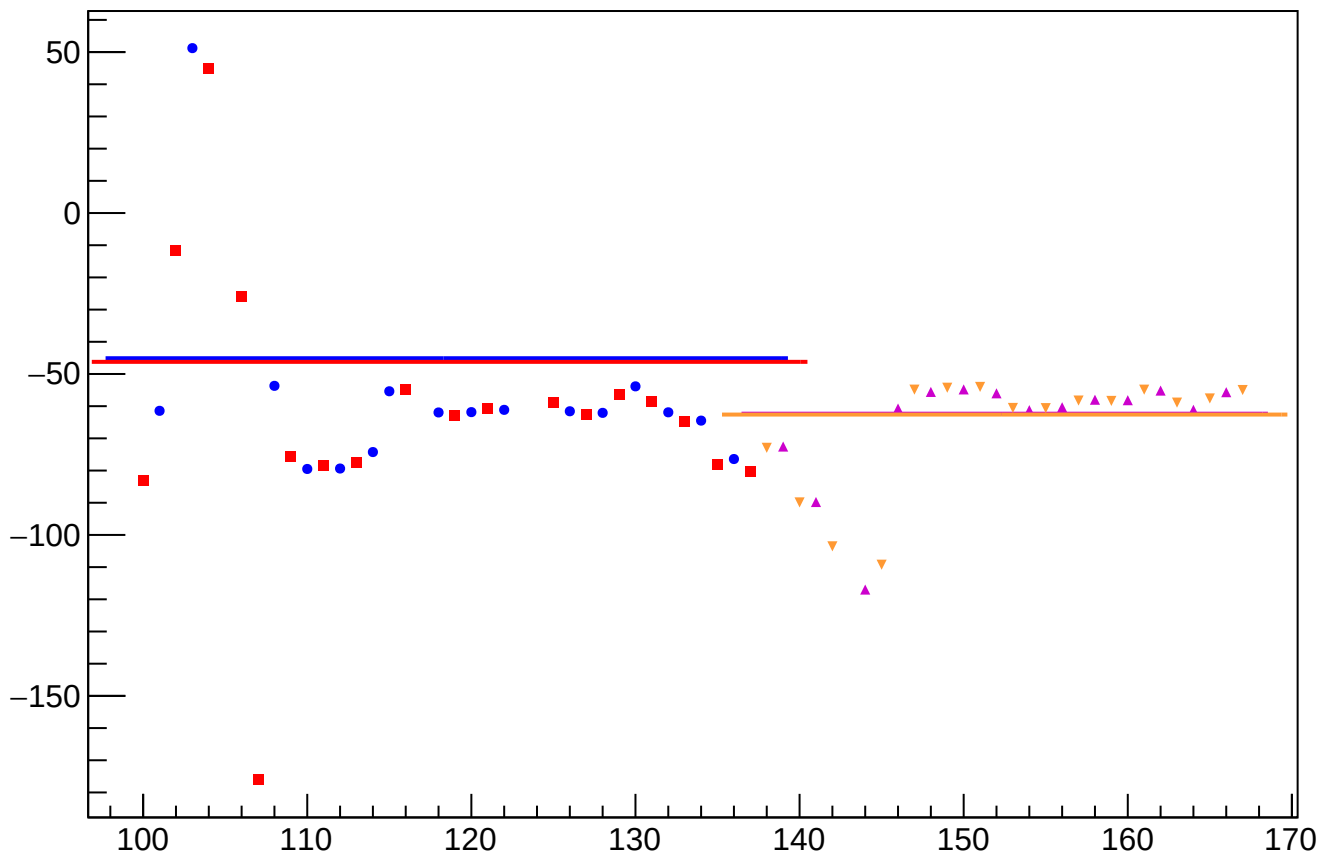
Left In: 1.318 ± 0.715 χ^2/NDF : 549.0/13

+ sign -7.695 ± 0.576 χ^2/NDF : 1850.2/30

All: -8.681 ± 0.411 χ^2/NDF : 3714.2/62

- sign -9.706 ± 0.587 χ^2/NDF : 1858.0/31

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: -62.607 ± 0.033 $\chi^2/\text{NDF}: 183530.9/14$

Right Out: -46.229 ± 0.063 $\chi^2/\text{NDF}: 493616.3/17$

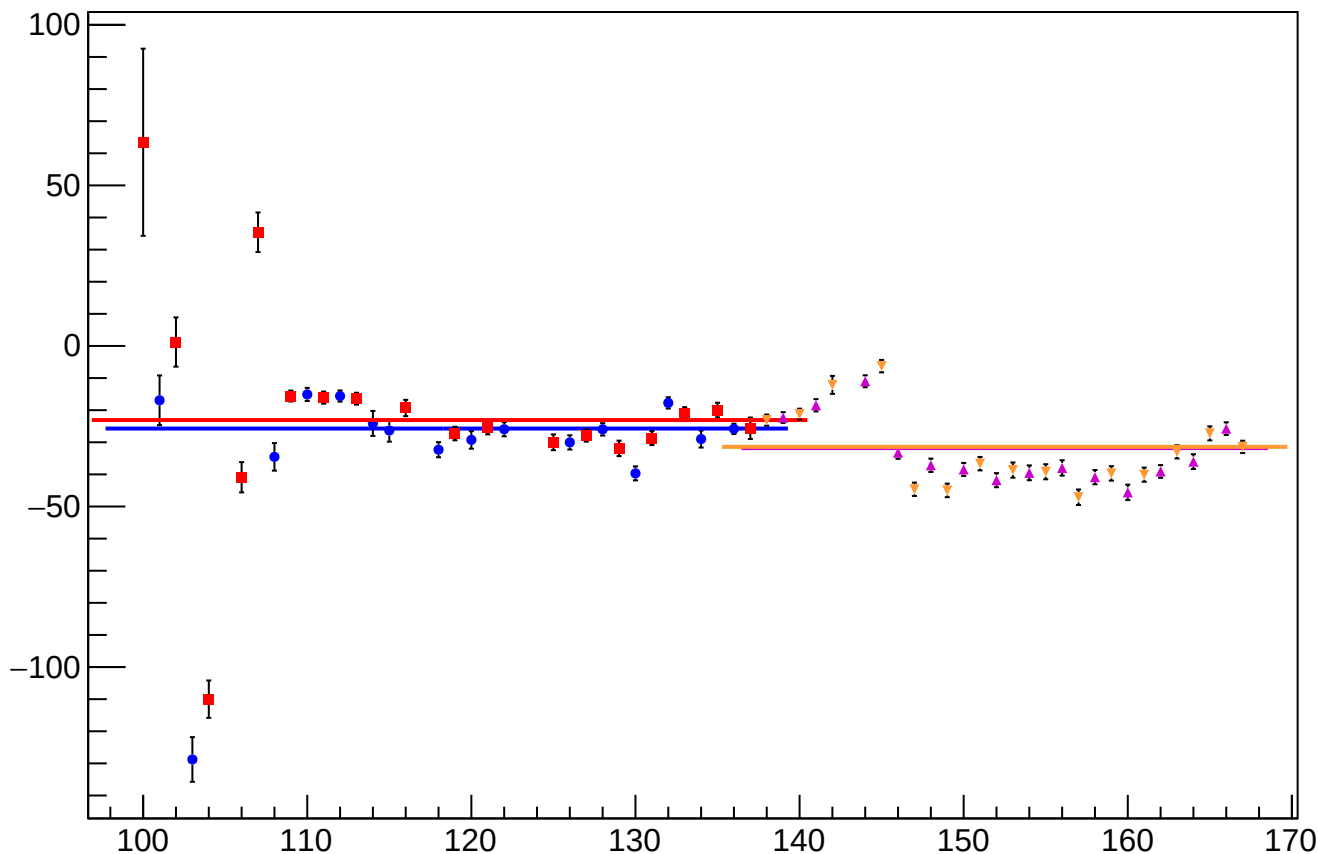
Left In: -62.335 ± 0.033 $\chi^2/\text{NDF}: 153608.1/13$

+ sign -58.638 ± 0.029 $\chi^2/\text{NDF}: 824210.2/30$

All: -58.749 ± 0.020 $\chi^2/\text{NDF}: 1523413.7/62$

- sign -58.863 ± 0.029 $\chi^2/\text{NDF}: 699173.1/31$

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: -31.423 ± 0.542 χ^2/NDF : 457.4/14

Right Out: -23.079 ± 0.582 χ^2/NDF : 437.1/17

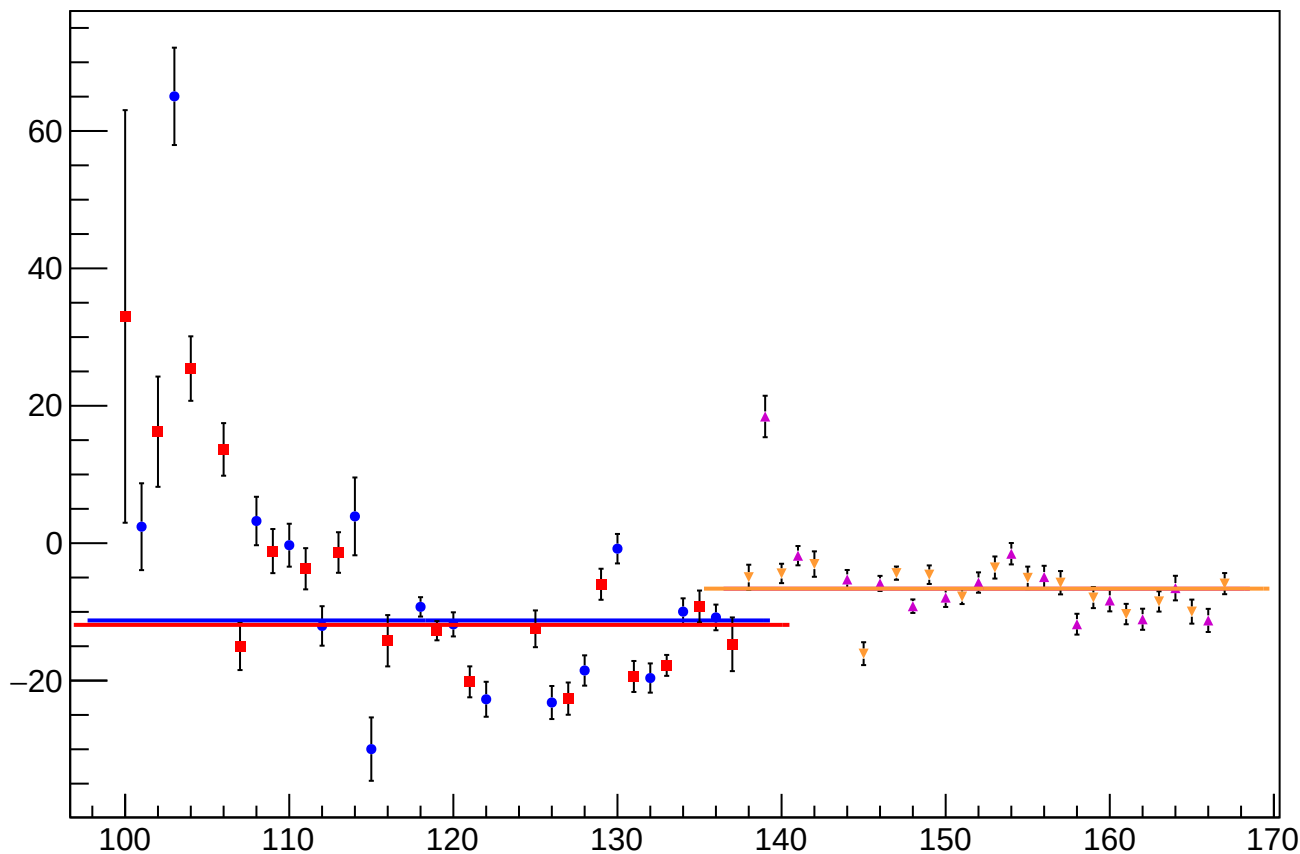
Left In: -31.811 ± 0.550 χ^2/NDF : 338.7/13

+ sign -28.815 ± 0.399 χ^2/NDF : 871.0/30

All: -28.254 ± 0.282 χ^2/NDF : 1769.8/62

- sign -27.692 ± 0.400 χ^2/NDF : 894.8/31

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: -6.615 ± 0.375 χ^2/NDF : 65.4/14

Right Out: -11.890 ± 0.607 χ^2/NDF : 224.5/17

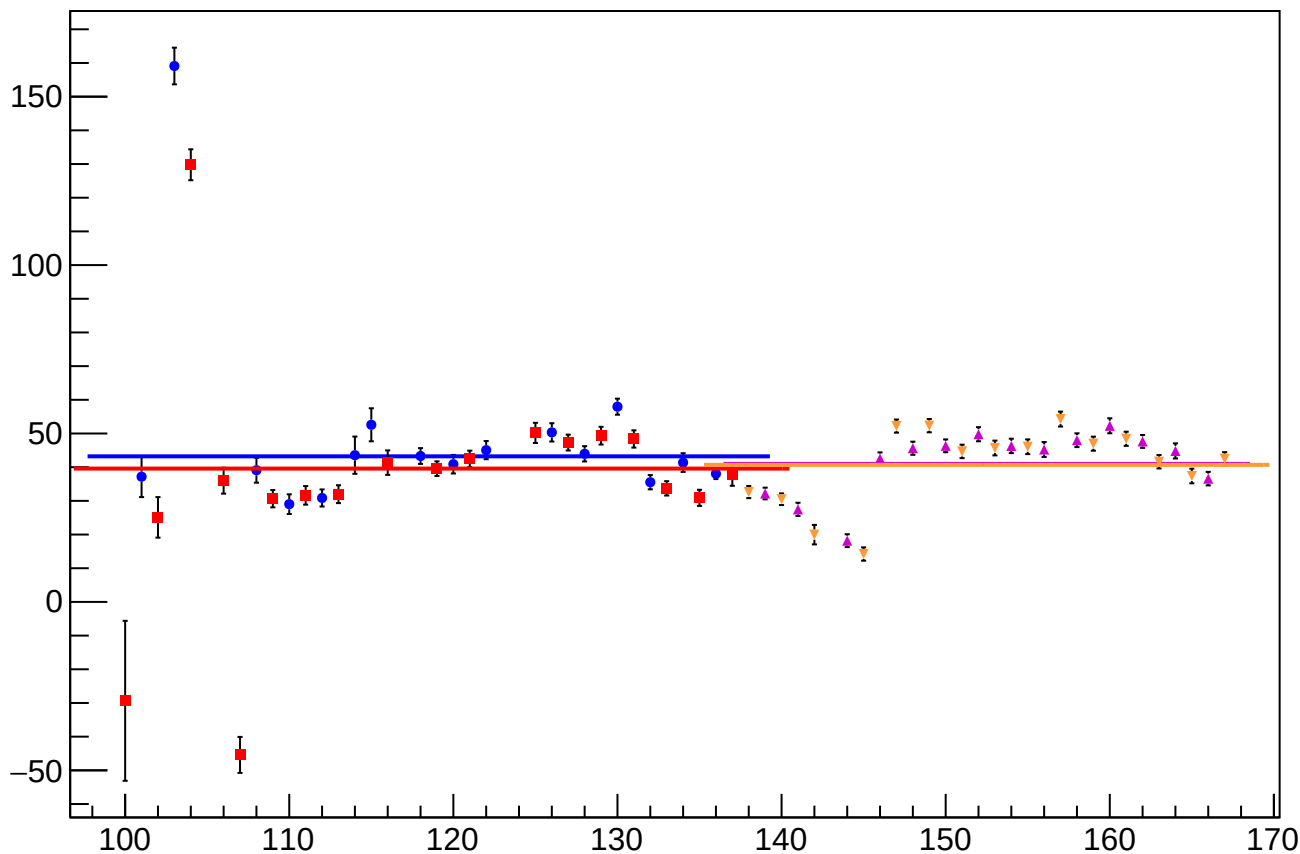
Left In: -6.632 ± 0.386 χ^2/NDF : 130.6/13

+ sign -7.916 ± 0.318 χ^2/NDF : 379.4/30

All: -8.029 ± 0.228 χ^2/NDF : 788.1/62

- sign -8.147 ± 0.326 χ^2/NDF : 408.4/31

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: 40.692 $\pm$ 0.528 χ^2 /NDF: 432.6/14

Right Out: 39.587 $\pm$ 0.685 χ^2 /NDF: 754.0/17

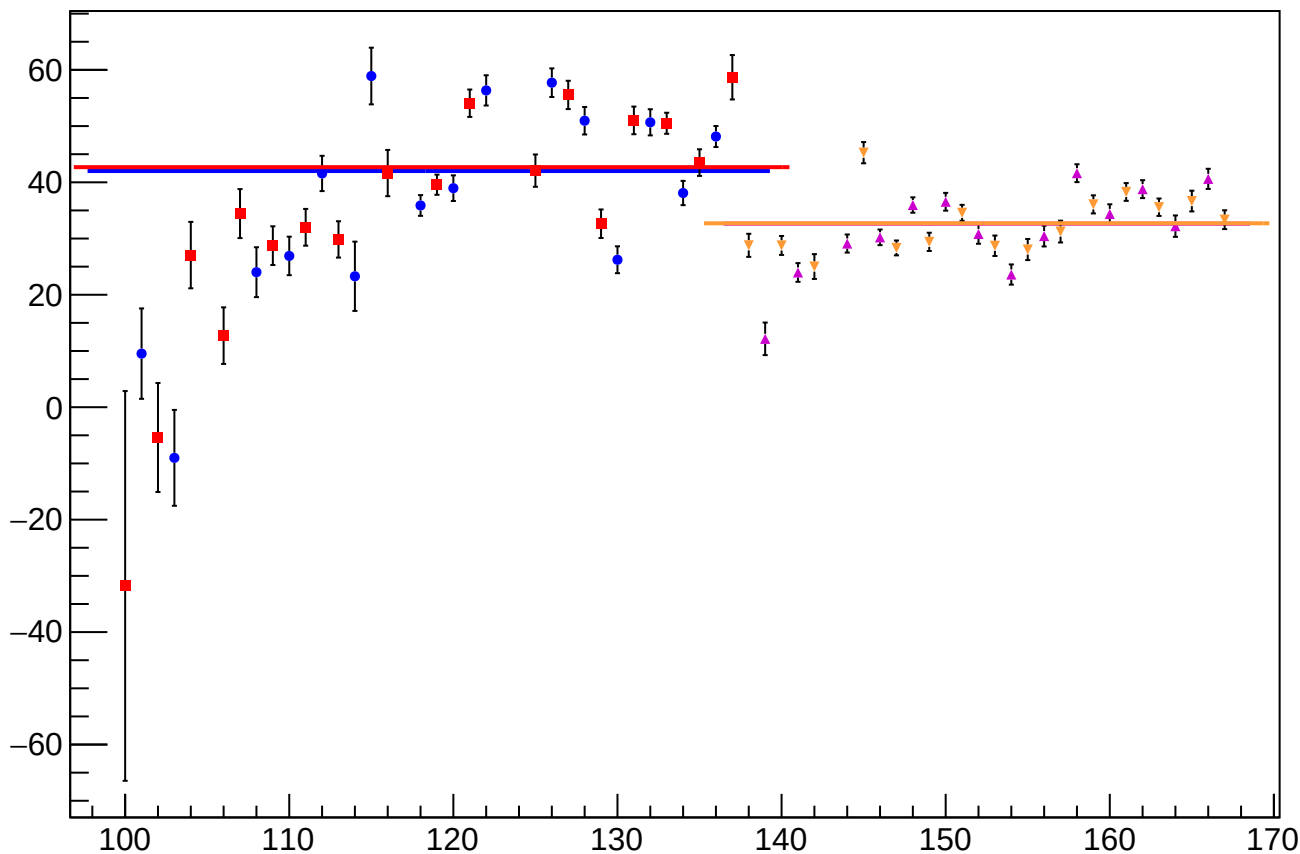
Left In: 40.981 $\pm$ 0.534 χ^2 /NDF: 314.4/13

+ sign 41.648 $\pm$ 0.417 χ^2 /NDF: 1017.3/30

All: 41.057 $\pm$ 0.296 χ^2 /NDF: 2092.3/62

- sign 40.454 $\pm$ 0.421 χ^2 /NDF: 1071.0/31

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 42.006+/-0.684 χ^2/NDF : 272.7/15

Left Out: 32.710+/-0.437 χ^2/NDF :119.1/14

Right Out: 42.696+/-0.695 χ^2/NDF : 230.3/17

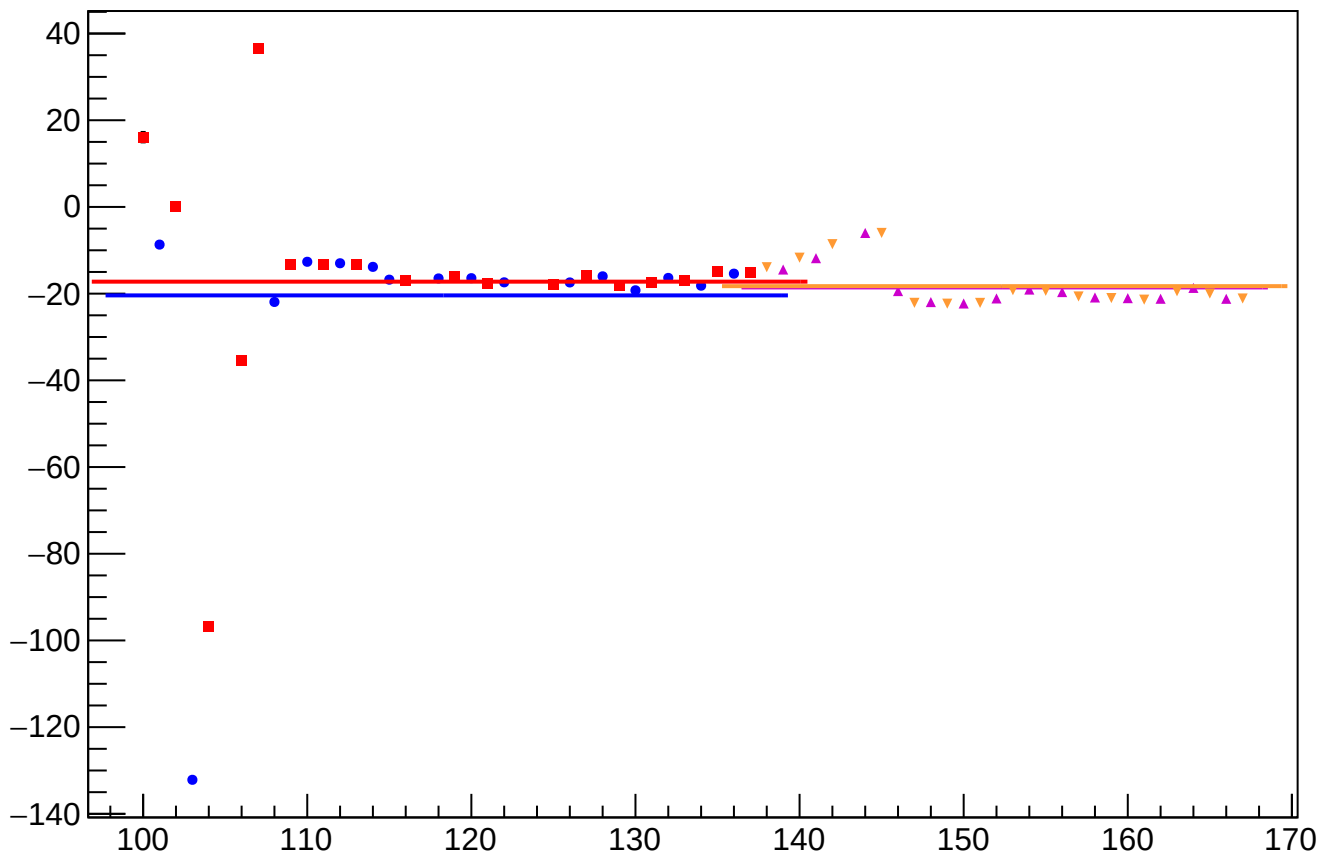
Left In: 32.643+/-0.449 χ^2/NDF :192.5/13

+ sign 35.408+/-0.368 χ^2/NDF : 523.0/30

All: 35.504+/-0.263 χ^2/NDF : 1093.6/62

- sign 35.604+/-0.377 χ^2/NDF : 570.5/31

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: -18.273 ± 0.020 χ^2/NDF : 56315.4/14

Right Out: -17.236 ± 0.044 χ^2/NDF : 204657.3/17

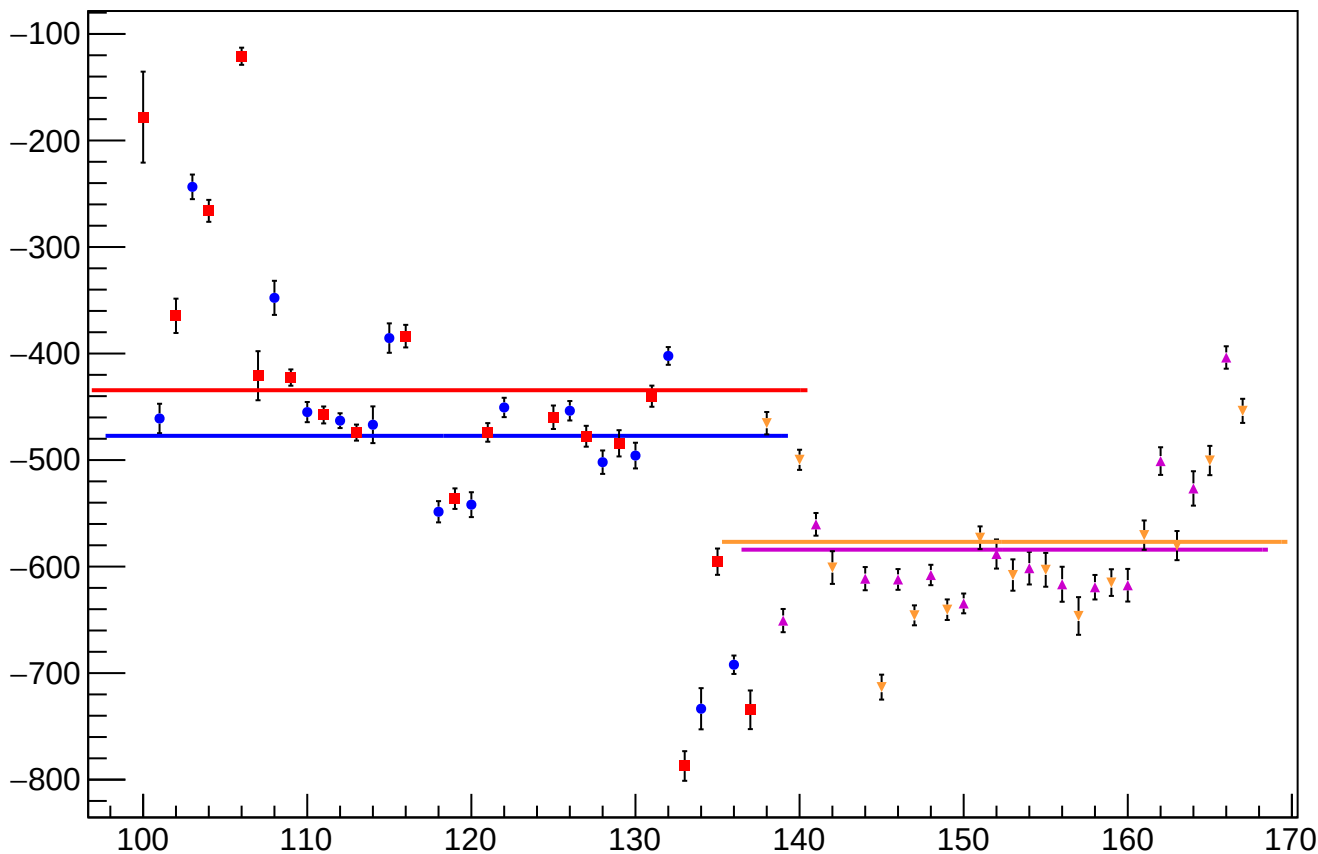
Left In: -18.568 ± 0.020 χ^2/NDF : 43361.0/13

+ sign -18.667 ± 0.018 χ^2/NDF : 304037.4/30

All: -18.505 ± 0.013 χ^2/NDF : 552974.1/62

- sign -18.337 ± 0.018 χ^2/NDF : 248772.3/31

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255 ± 2.633 $\chi^2/\text{NDF}: 1510.8/15$

Left Out: -576.779 ± 3.092 $\chi^2/\text{NDF}: 595.8/14$

Right Out: -434.437 ± 2.464 $\chi^2/\text{NDF}: 3161.9/17$

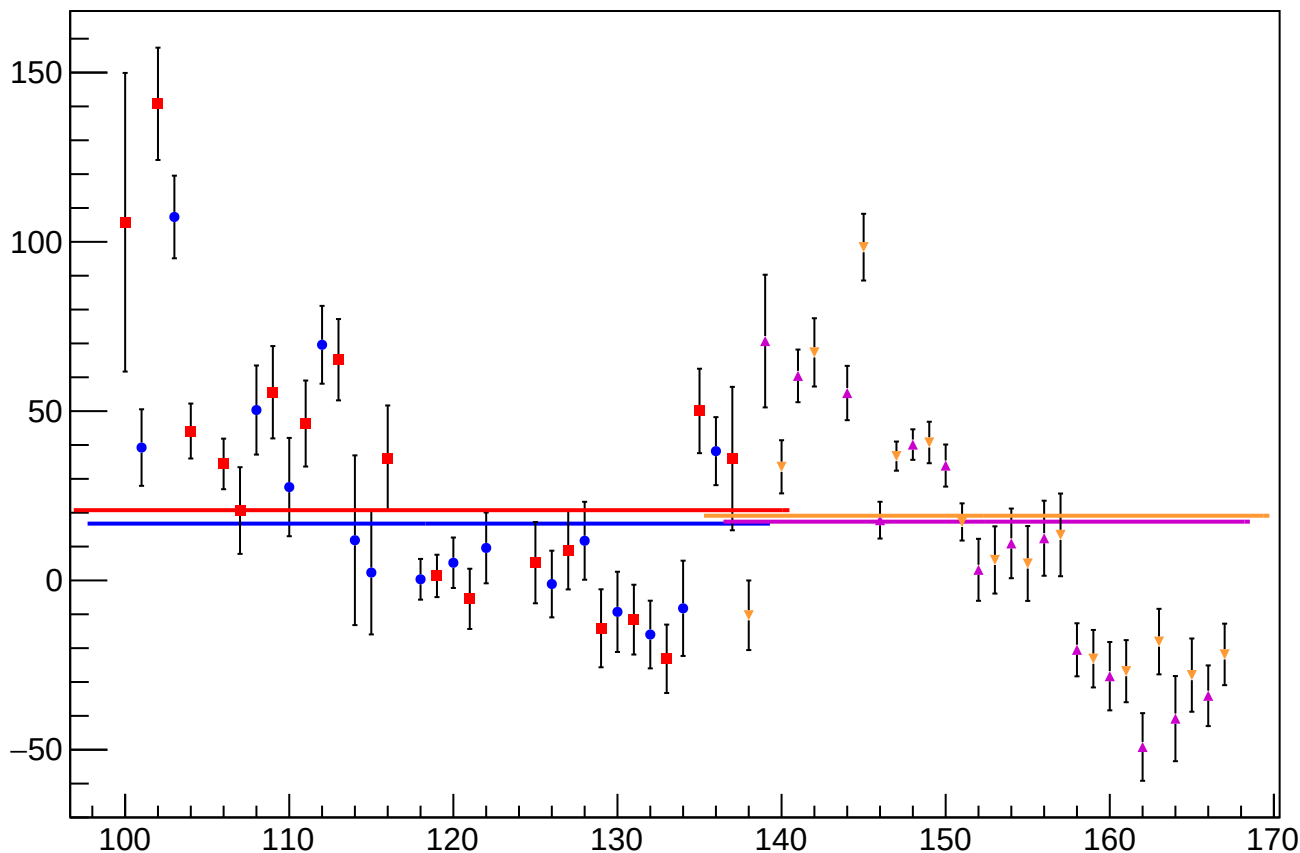
Left In: -584.124 ± 3.121 $\chi^2/\text{NDF}: 459.5/13$

+ sign -519.089 ± 2.005 $\chi^2/\text{NDF}: 2707.2/30$

All: -505.011 ± 1.392 $\chi^2/\text{NDF}: 7840.9/62$

- sign -491.910 ± 1.934 $\chi^2/\text{NDF}: 5038.5/31$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780 $\pm$ 2.654 χ^2 /NDF: 125.0/15

Left Out: 19.112 $\pm$ 2.034 χ^2 /NDF: 236.0/14

Right Out: 20.749 $\pm$ 2.548 χ^2 /NDF: 157.9/17

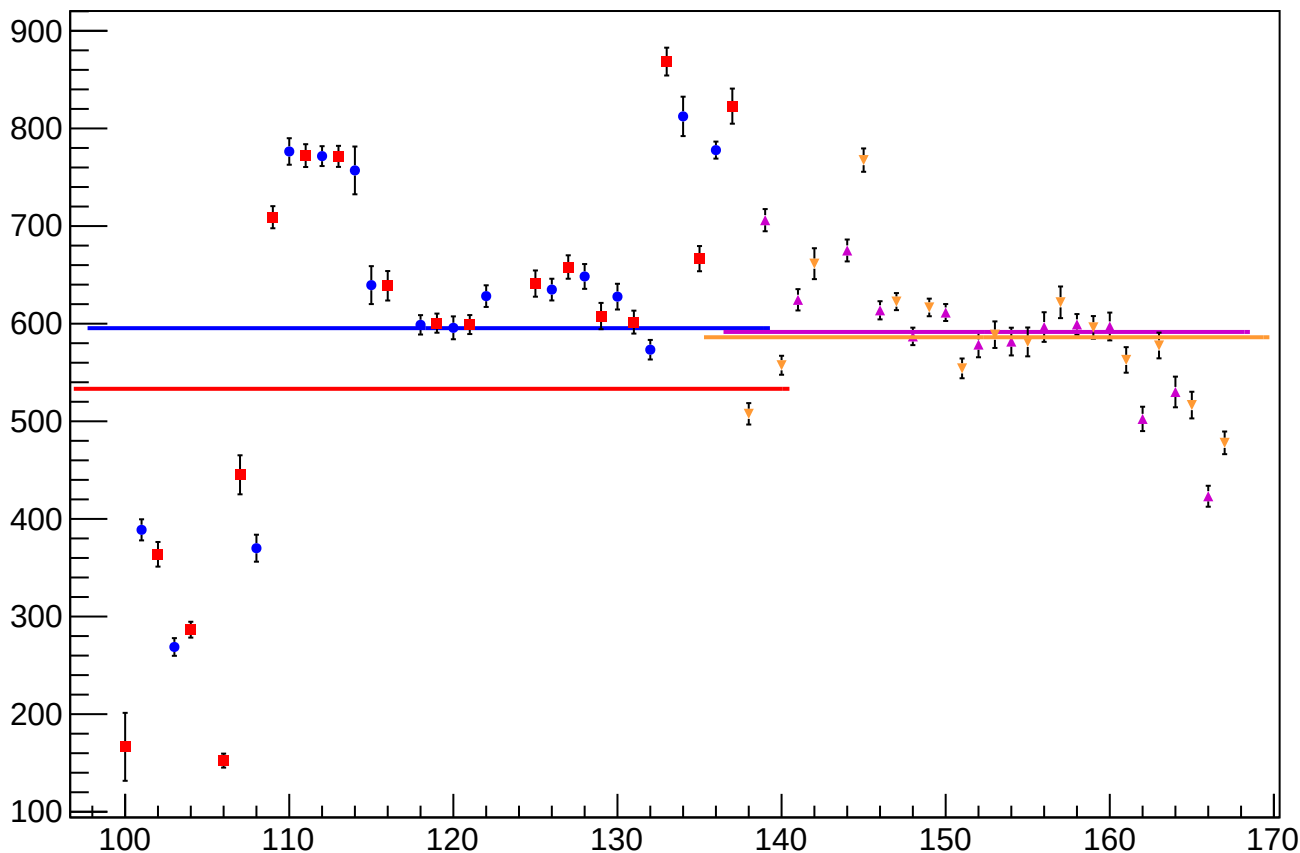
Left In: 17.354 $\pm$ 2.093 χ^2 /NDF: 238.6/13

+ sign 18.250 $\pm$ 1.614 χ^2 /NDF: 361.5/30

All: 18.485 $\pm$ 1.143 χ^2 /NDF: 759.1/62

- sign 18.722 $\pm$ 1.618 χ^2 /NDF: 397.6/31

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406 ± 2.930 $\chi^2/\text{NDF}: 3059.7/15$

Left Out: 586.100 ± 3.006 $\chi^2/\text{NDF}: 473.6/14$

Right Out: 533.283 ± 2.746 $\chi^2/\text{NDF}: 6502.9/17$

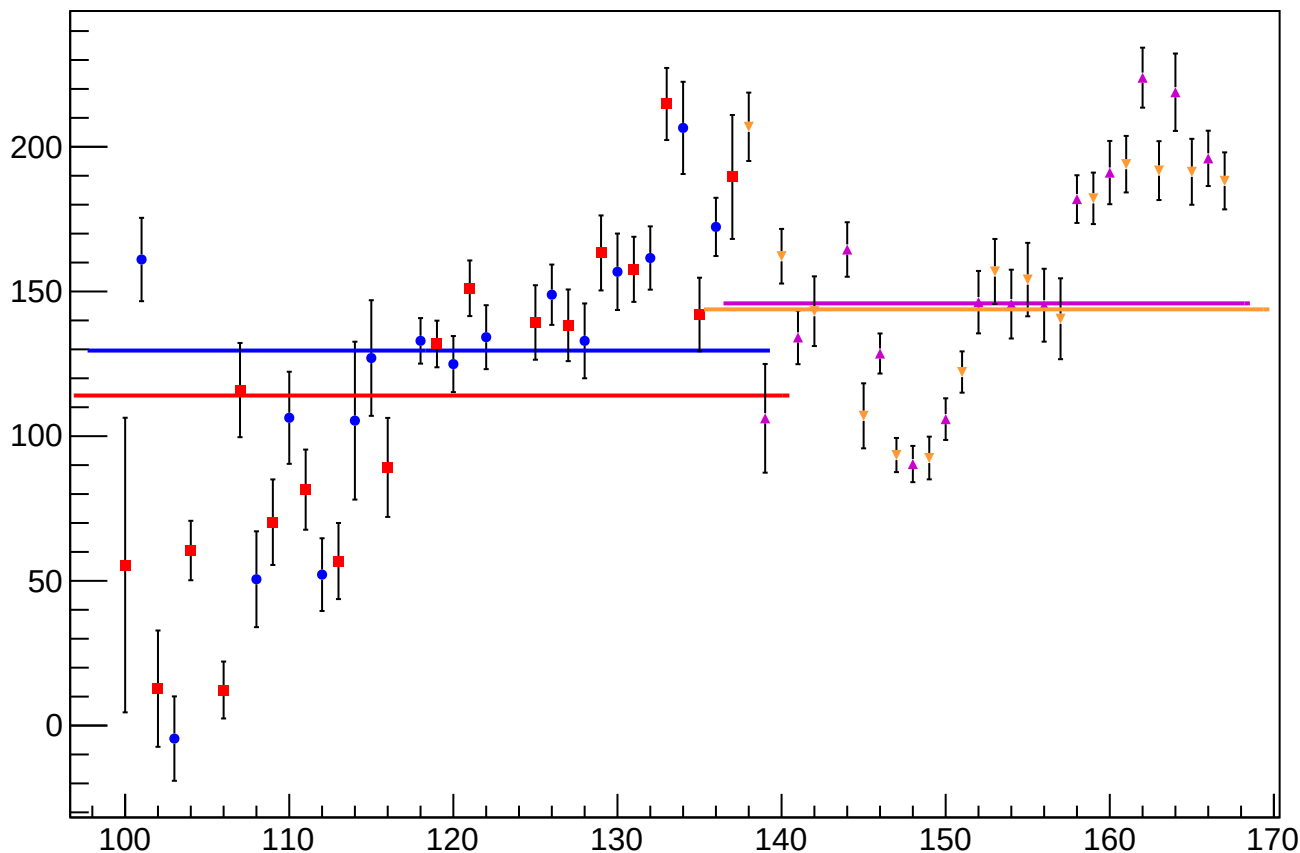
Left In: 591.536 ± 3.021 $\chi^2/\text{NDF}: 491.7/13$

+ sign 590.873 ± 2.098 $\chi^2/\text{NDF}: 3538.2/30$

All: 574.755 ± 1.460 $\chi^2/\text{NDF}: 10850.7/62$

- sign 559.634 ± 2.032 $\chi^2/\text{NDF}: 7198.1/31$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586 ± 3.081 χ^2/NDF : 211.2/15

Left Out: 143.819 ± 2.426 χ^2/NDF : 280.4/14

Right Out: 114.048 ± 2.976 χ^2/NDF : 335.9/17

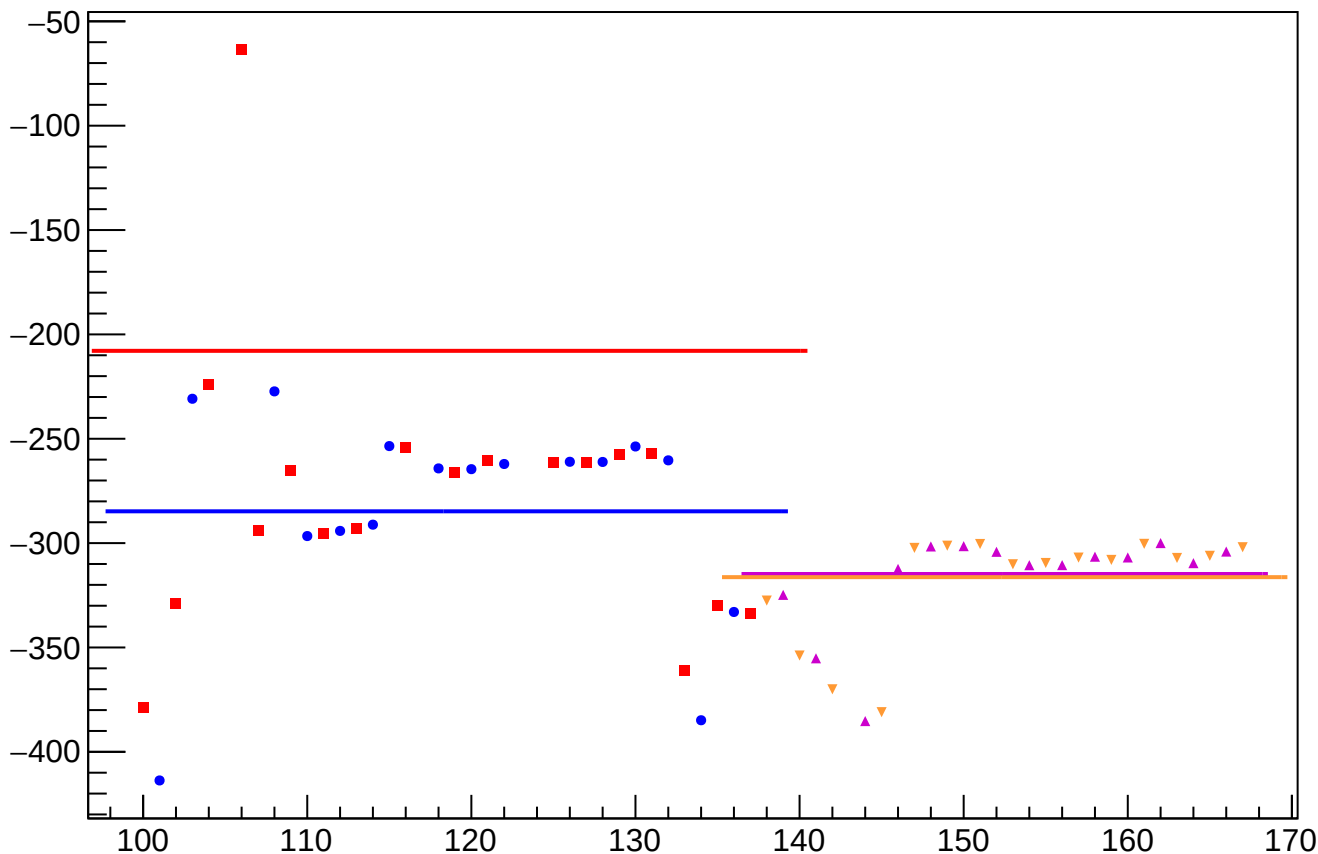
Left In: 145.896 ± 2.482 χ^2/NDF : 275.7/13

+ sign 138.371 ± 1.906 χ^2/NDF : 504.8/30

All: 135.602 ± 1.348 χ^2/NDF : 1188.2/62

- sign 132.832 ± 1.906 χ^2/NDF : 679.2/31

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: -316.309 ± 0.116 $\chi^2/\text{NDF}: 42231.5/14$

Right Out: -207.875 ± 0.149 $\chi^2/\text{NDF}: 536707.7/17$

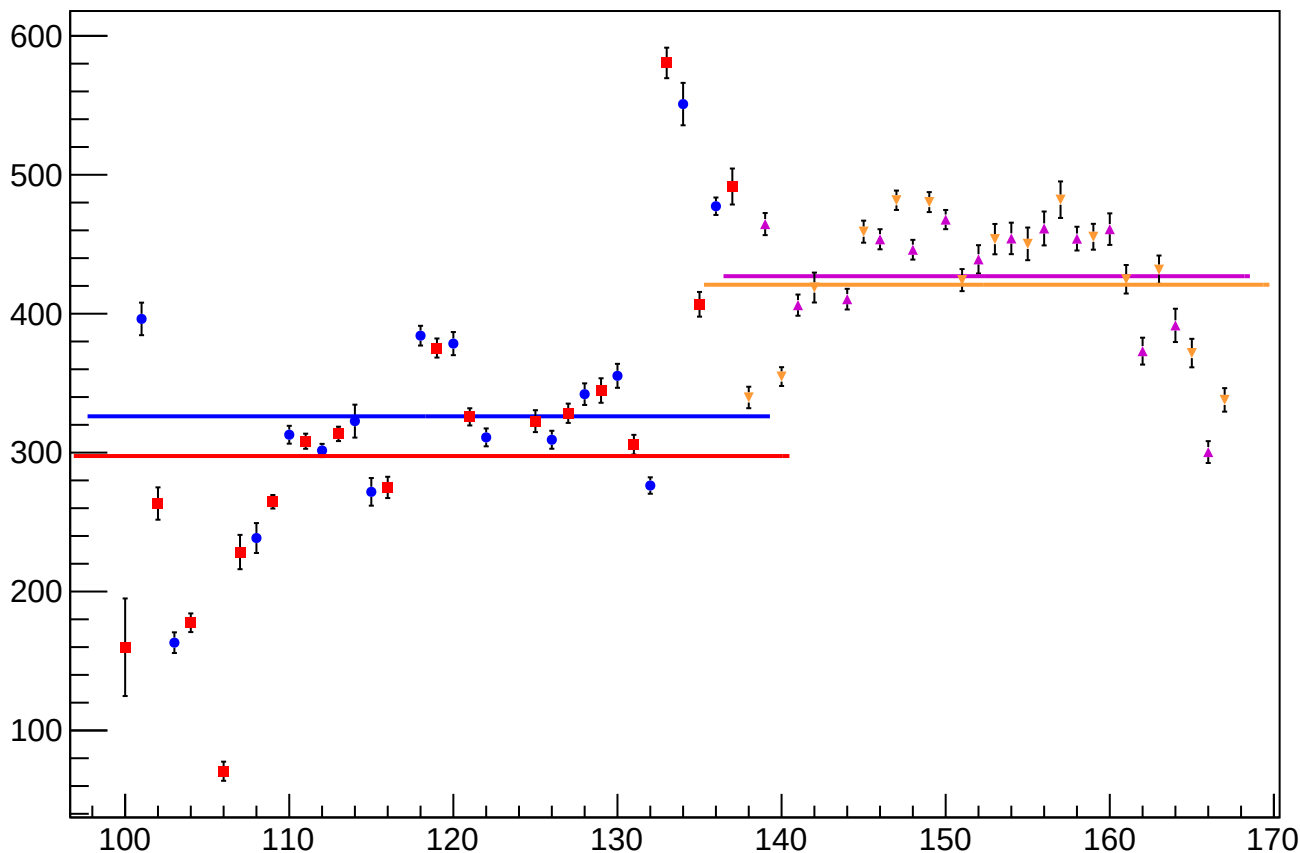
Left In: -314.797 ± 0.116 $\chi^2/\text{NDF}: 34327.1/13$

+ sign -306.837 ± 0.097 $\chi^2/\text{NDF}: 168687.5/30$

All: -289.586 ± 0.067 $\chi^2/\text{NDF}: 1119585.1/62$

- sign -274.292 ± 0.092 $\chi^2/\text{NDF}: 891585.6/31$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133 ± 1.857 $\chi^2/\text{NDF}: 1642.9/15$

Left Out: 420.854 ± 2.268 $\chi^2/\text{NDF}: 544.6/14$

Right Out: 297.538 ± 1.735 $\chi^2/\text{NDF}: 2775.4/17$

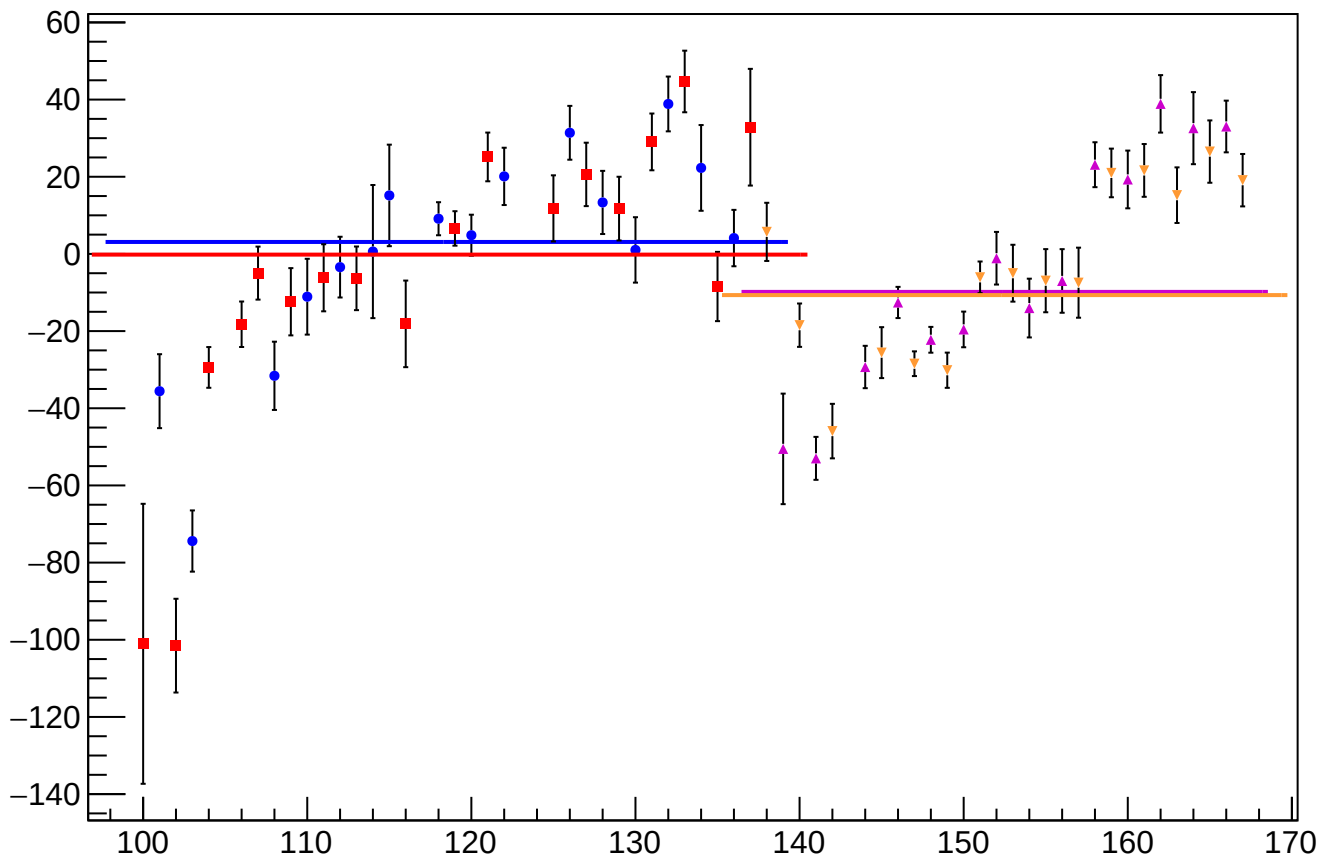
Left In: 427.003 ± 2.292 $\chi^2/\text{NDF}: 423.1/13$

+ sign 364.149 ± 1.437 $\chi^2/\text{NDF}: 3232.0/30$

All: 354.049 ± 0.996 $\chi^2/\text{NDF}: 8554.5/62$

- sign 344.686 ± 1.383 $\chi^2/\text{NDF}: 5227.2/31$

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: -10.670 ± 1.498 χ^2/NDF : 188.7/14

Right Out: -0.180 ± 1.791 χ^2/NDF : 205.2/17

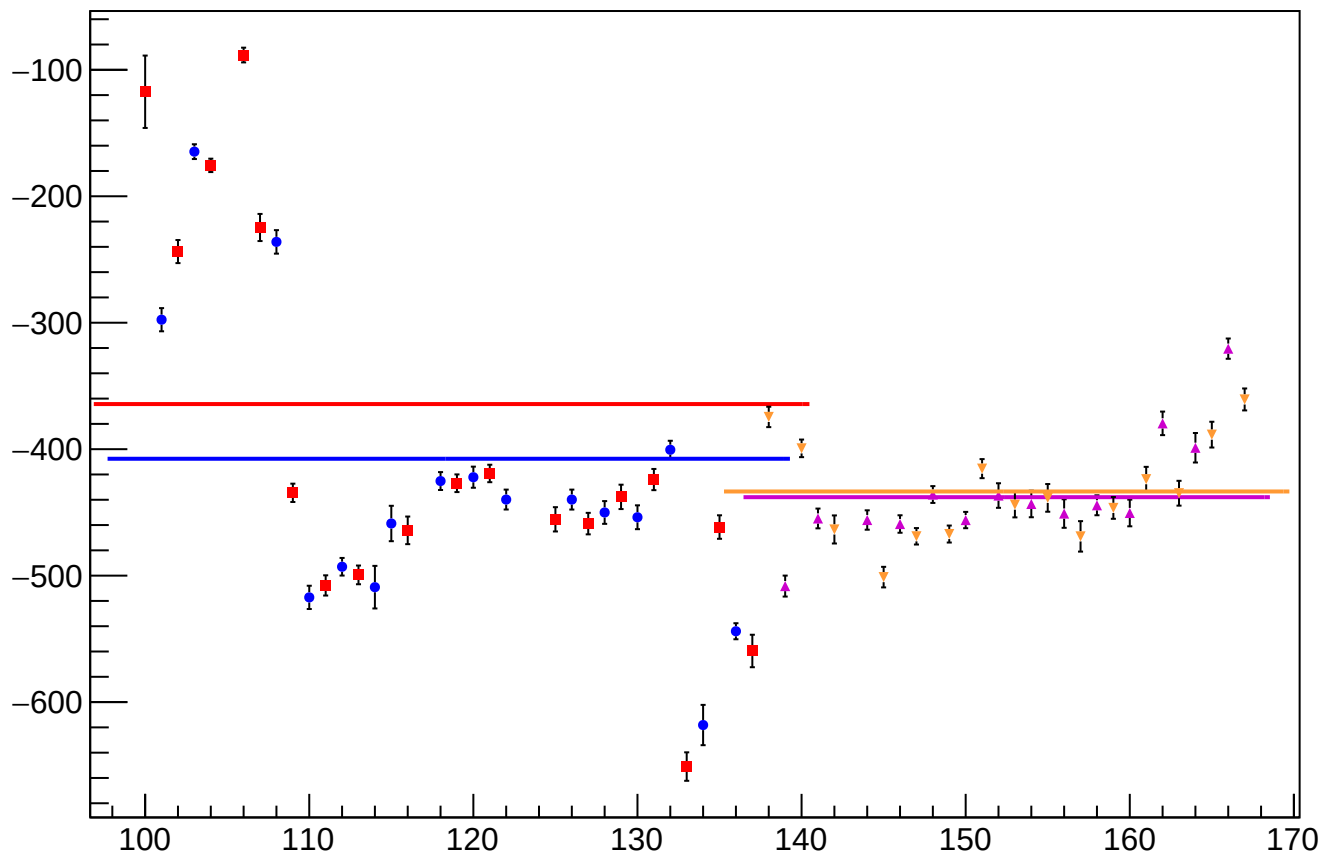
Left In: -9.841 ± 1.542 χ^2/NDF : 253.1/13

+ sign -5.364 ± 1.175 χ^2/NDF : 405.8/30

All: -5.547 ± 0.828 χ^2/NDF : 880.9/62

- sign -5.728 ± 1.169 χ^2/NDF : 475.0/31

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -407.575 ± 2.074 χ^2/NDF : 3280.5/15

Left Out: -433.447 ± 2.208 χ^2/NDF : 317.7/14

Right Out: -364.323 ± 1.942 χ^2/NDF : 6220.4/17

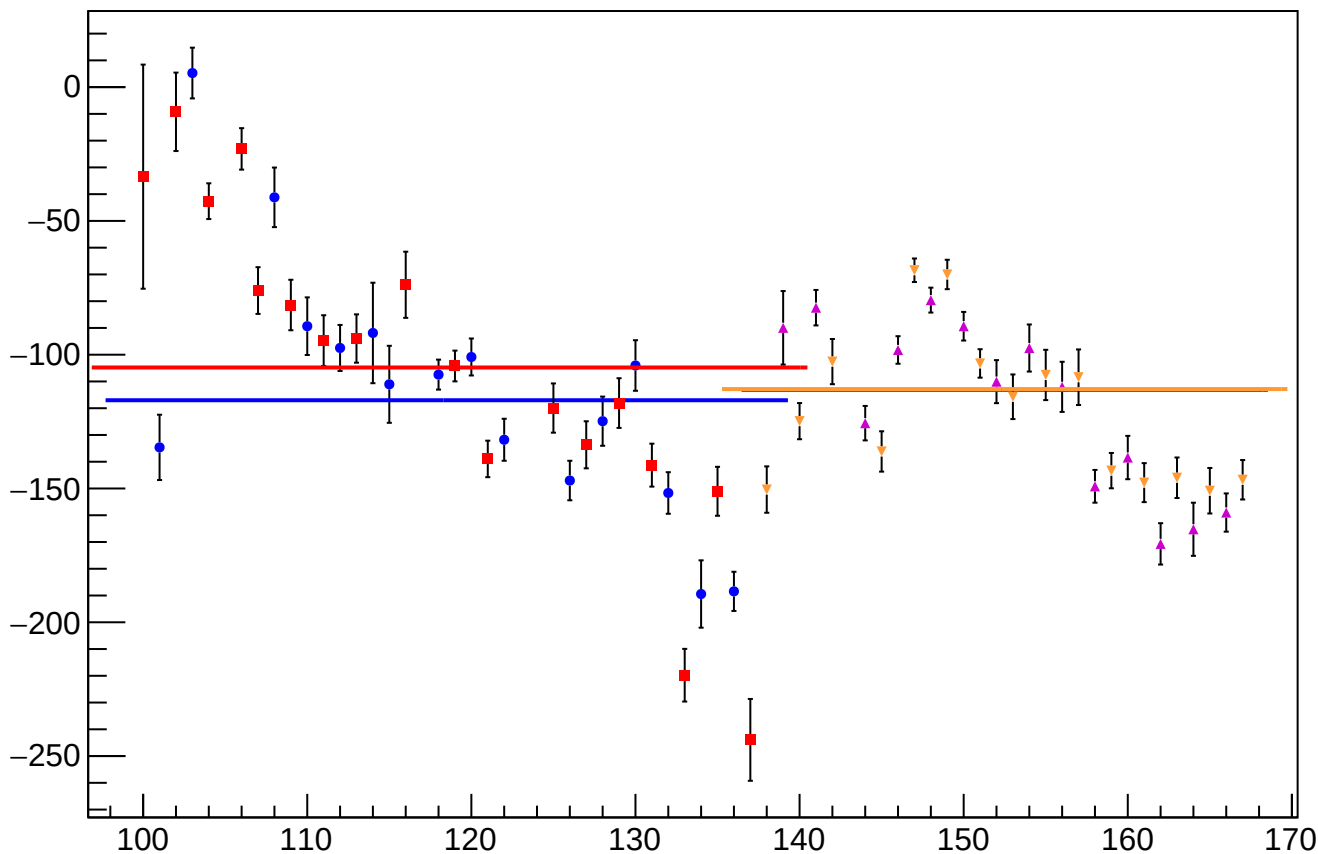
Left In: -437.957 ± 2.222 χ^2/NDF : 368.2/13

+ sign -419.698 ± 1.512 χ^2/NDF : 3671.2/30

All: -407.569 ± 1.051 χ^2/NDF : 11006.9/62

- sign -396.219 ± 1.462 χ^2/NDF : 7211.1/31

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: -112.846 $\pm$ 1.786 χ^2 /NDF:304.2/14

Right Out: -104.780 $\pm$ 2.091 χ^2 /NDF: 575.1/17

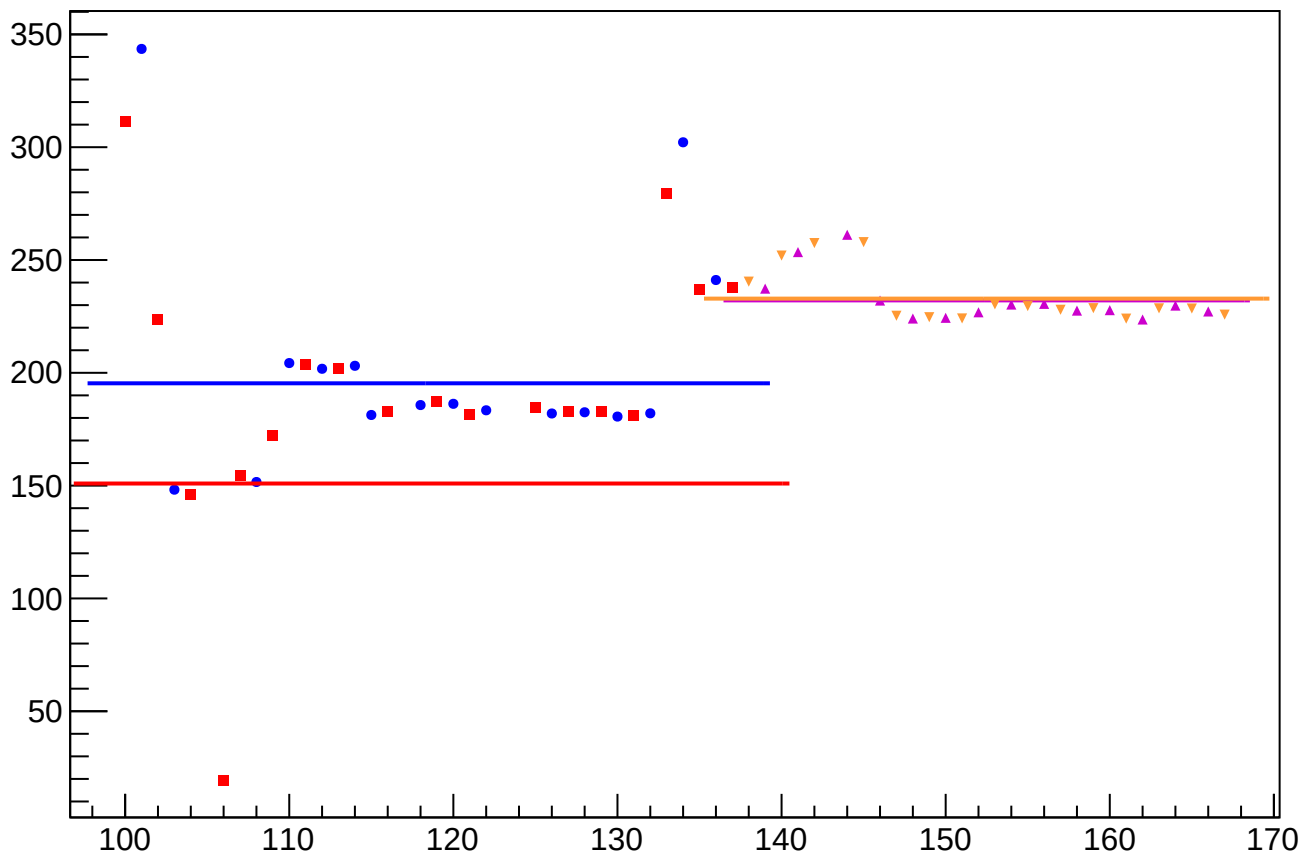
Left In: -113.170 $\pm$ 1.828 χ^2 /NDF:280.1/13

+ sign -114.510 $\pm$ 1.385 χ^2 /NDF: 714.2/30

All: -112.006 $\pm$ 0.976 χ^2 /NDF: 1585.0/62

- sign -109.535 $\pm$ 1.376 χ^2 /NDF: 864.3/31

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 195.351 $\pm$ 0.125 χ^2 /NDF: 176975.5/15

Left Out: 232.886 $\pm$ 0.086 χ^2 /NDF:17594.5/14

Right Out: 150.932 $\pm$ 0.110 χ^2 /NDF: 499233.7/17

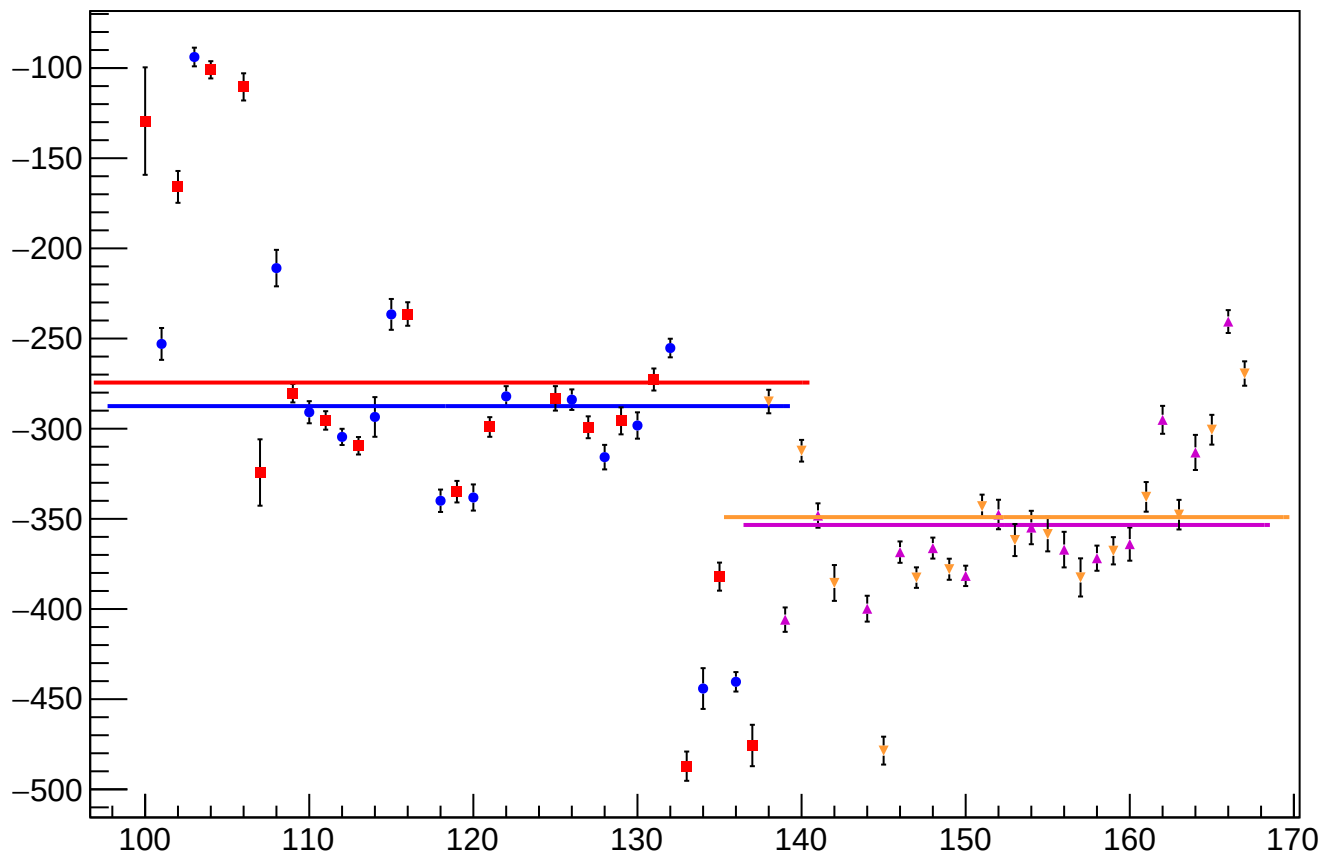
Left In: 232.102 $\pm$ 0.086 χ^2 /NDF:15259.6/13

+ sign 220.859 $\pm$ 0.071 χ^2 /NDF: 256210.4/30

All: 210.784 $\pm$ 0.049 χ^2 /NDF: 1148216.6/62

- sign 201.531 $\pm$ 0.068 χ^2 /NDF: 852885.4/31

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF : 2696.5/15

Left Out: -349.035+/-1.895 χ^2/NDF : 681.7/14

Right Out: -274.417+/-1.551 χ^2/NDF : 3413.4/17

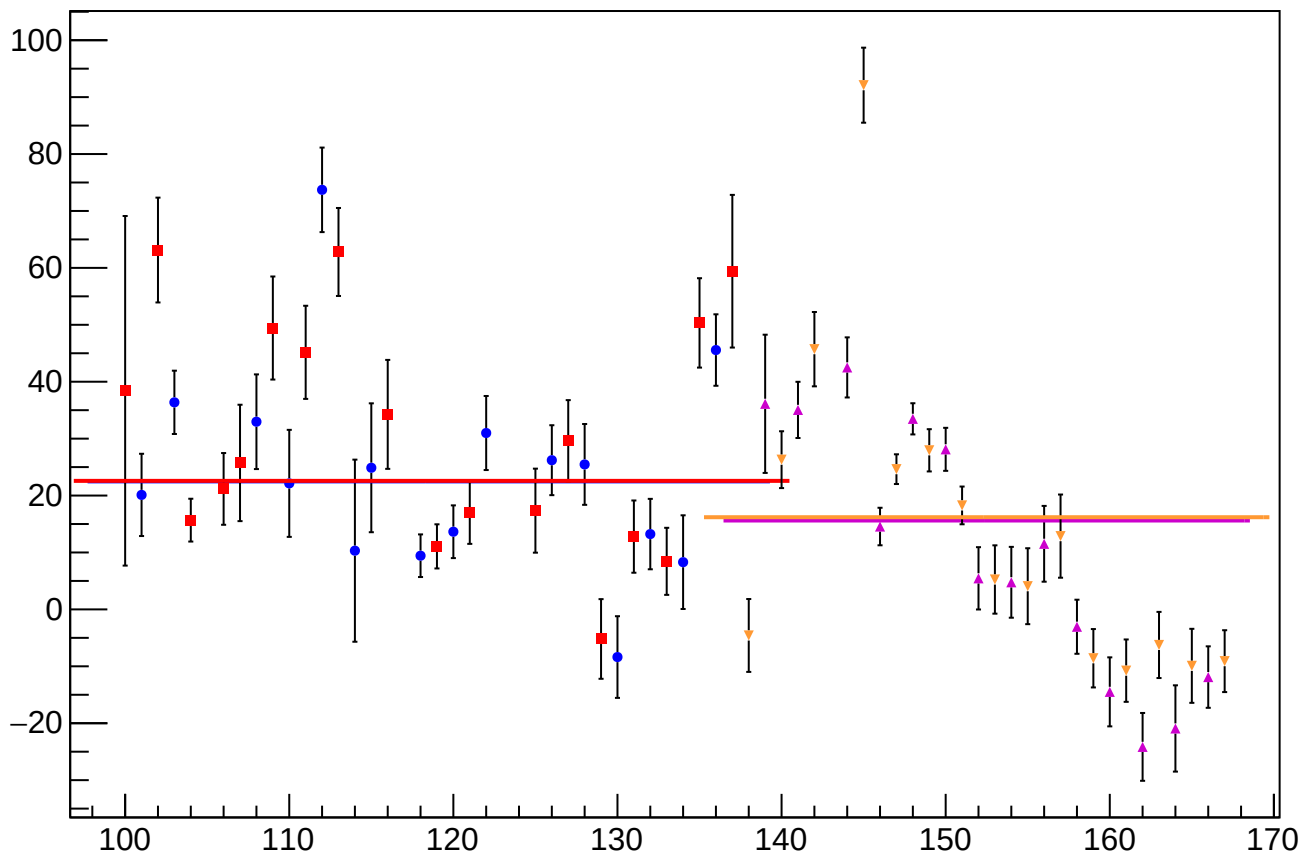
Left In: -353.386+/-1.911 χ^2/NDF : 540.3/13

+ sign -313.304+/-1.228 χ^2/NDF : 3990.6/30

All: -309.476+/-0.860 χ^2/NDF : 8992.8/62

- sign -305.792+/-1.204 χ^2/NDF : 4983.1/31

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: 16.194 $\pm$ 1.242 χ^2 /NDF:295.6/14

Right Out: 22.580 $\pm$ 1.570 χ^2 /NDF: 123.3/17

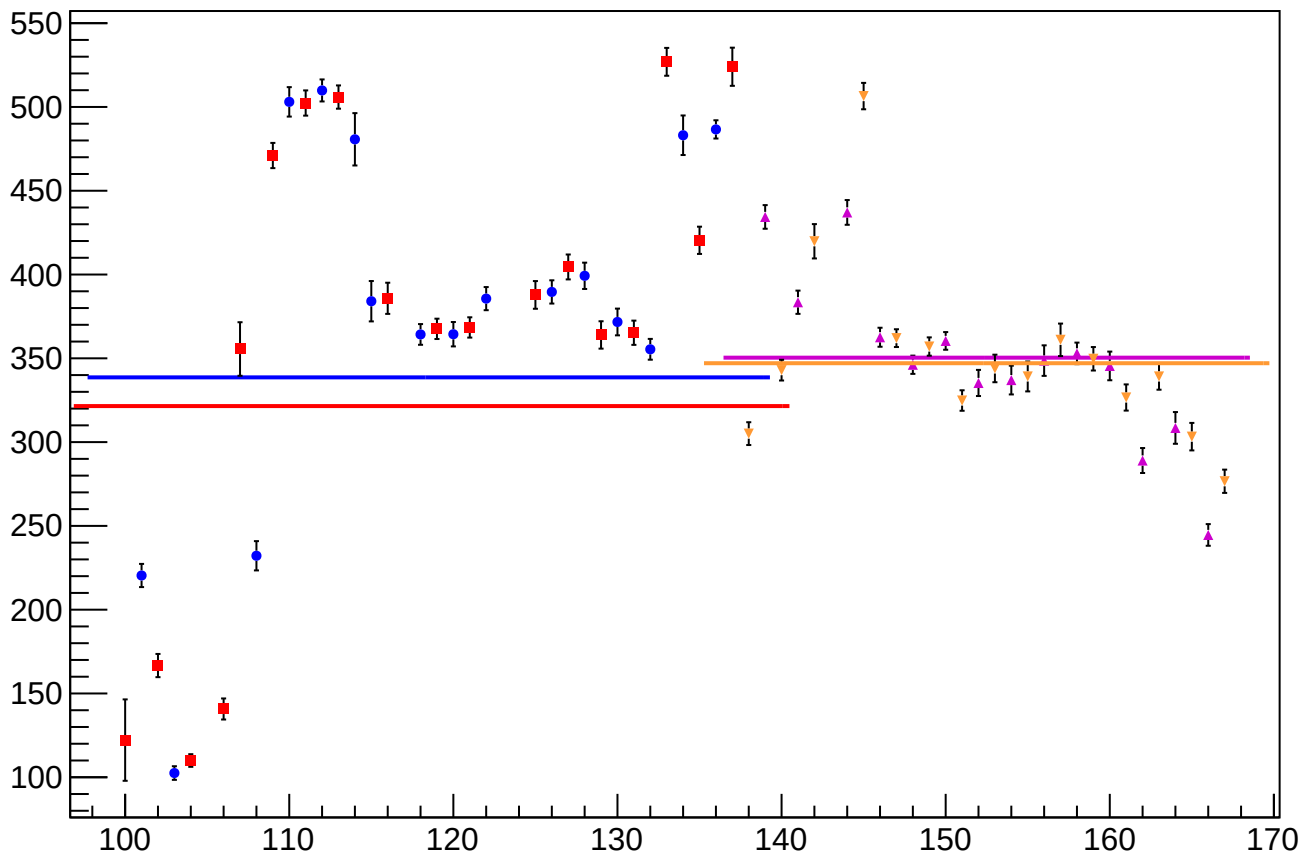
Left In: 15.617 $\pm$ 1.278 χ^2 /NDF:238.5/13

+ sign 18.523 $\pm$ 0.986 χ^2 /NDF: 416.5/30

All: 18.459 $\pm$ 0.699 χ^2 /NDF: 790.2/62

- sign 18.393 $\pm$ 0.991 χ^2 /NDF: 373.7/31

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633 ± 1.748 χ^2/NDF : 6042.6/15

Left Out: 347.079 ± 1.839 χ^2/NDF : 665.6/14

Right Out: 321.500 ± 1.694 χ^2/NDF : 7720.8/17

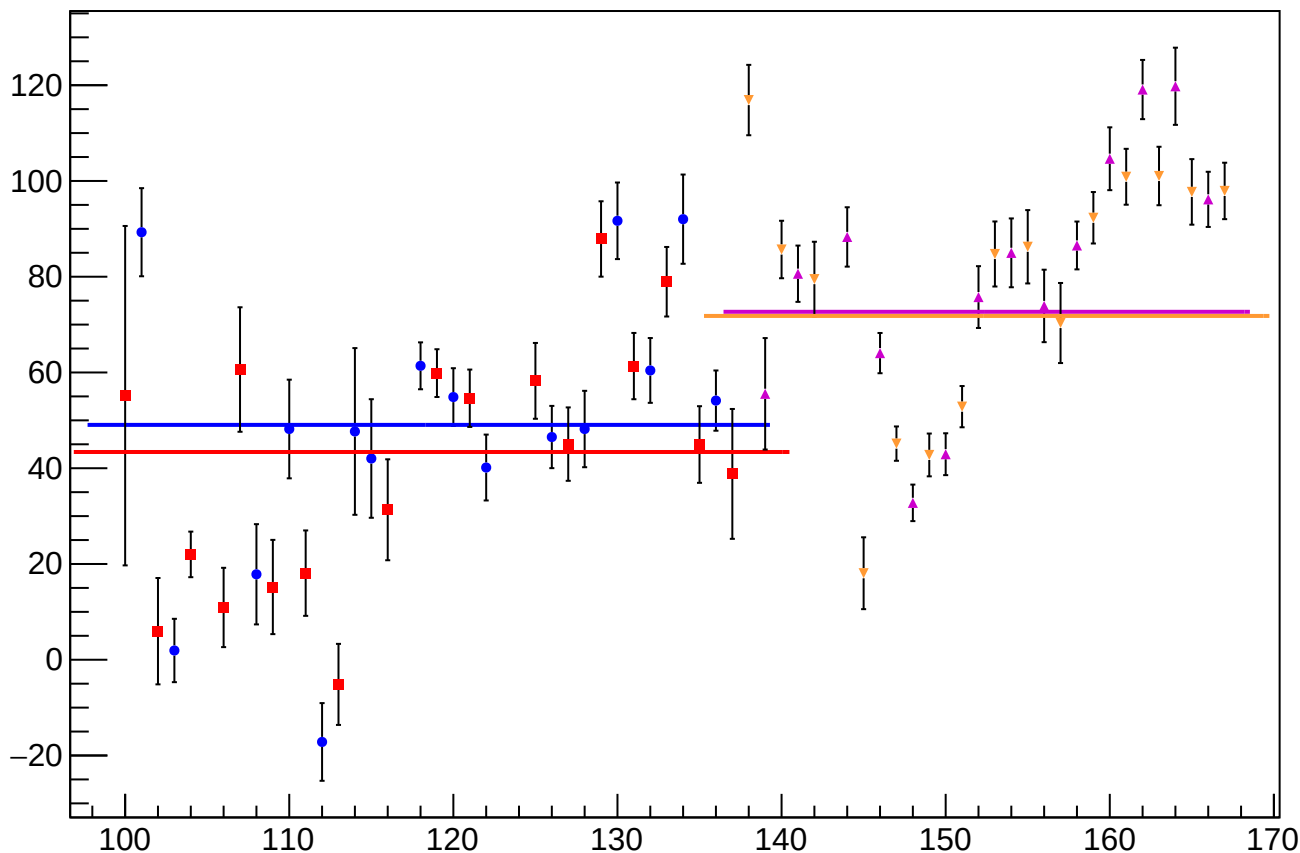
Left In: 350.389 ± 1.847 χ^2/NDF : 673.2/13

+ sign 342.642 ± 1.267 χ^2/NDF : 6719.3/30

All: 338.612 ± 0.889 χ^2/NDF : 15266.0/62

- sign 334.699 ± 1.249 χ^2/NDF : 8526.8/31

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: 71.808 $\pm$ 1.481 χ^2 /NDF:315.6/14

Right Out: 43.392 $\pm$ 1.834 χ^2 /NDF: 180.0/17

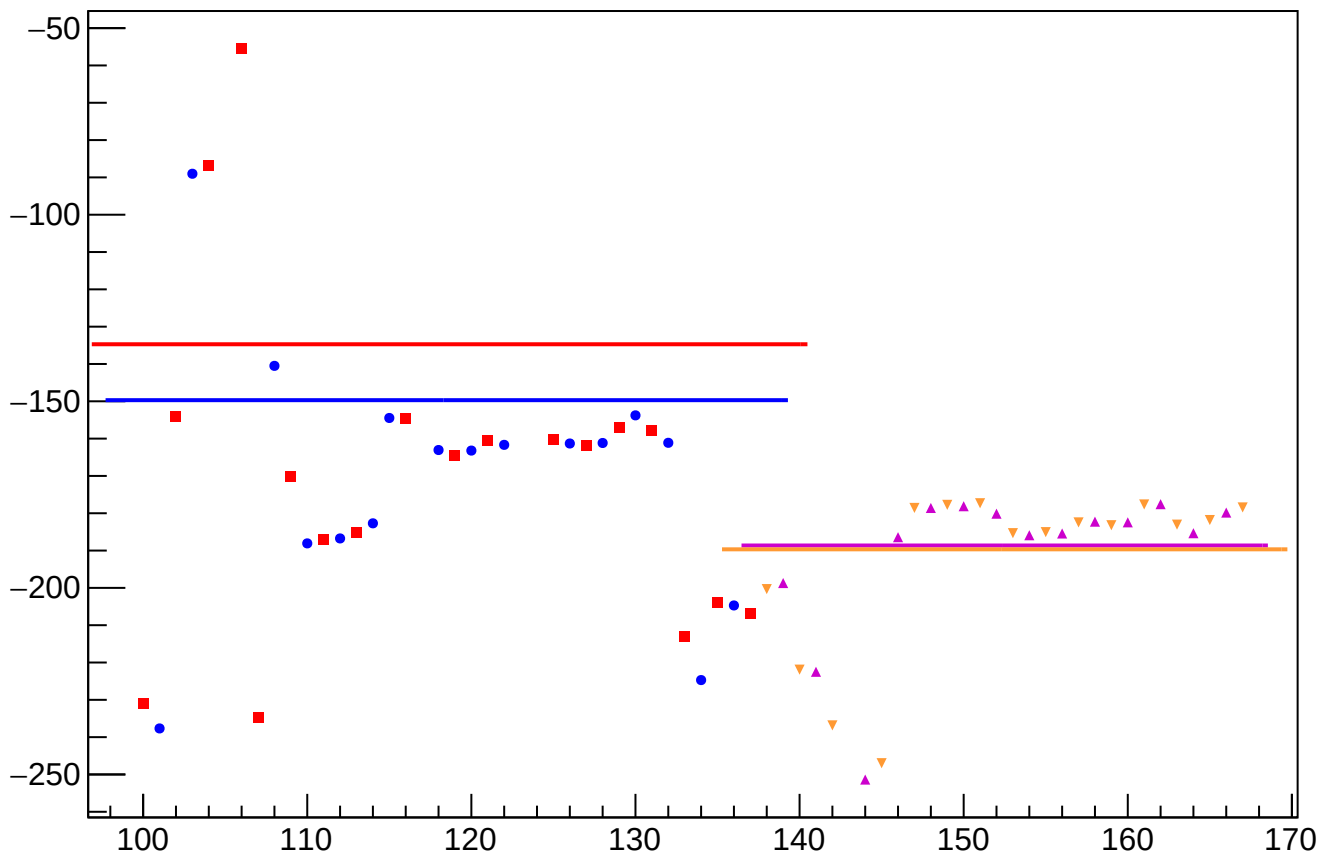
Left In: 72.672 $\pm$ 1.515 χ^2 /NDF:312.1/13

+ sign 63.111 $\pm$ 1.164 χ^2 /NDF: 613.8/30

All: 61.957 $\pm$ 0.824 χ^2 /NDF: 1259.3/62

- sign 60.795 $\pm$ 1.168 χ^2 /NDF: 643.6/31

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: -189.670+/-0.071 χ^2/NDF : 75758.5/14

Right Out: -134.715+/-0.097 χ^2/NDF : 312639.8/17

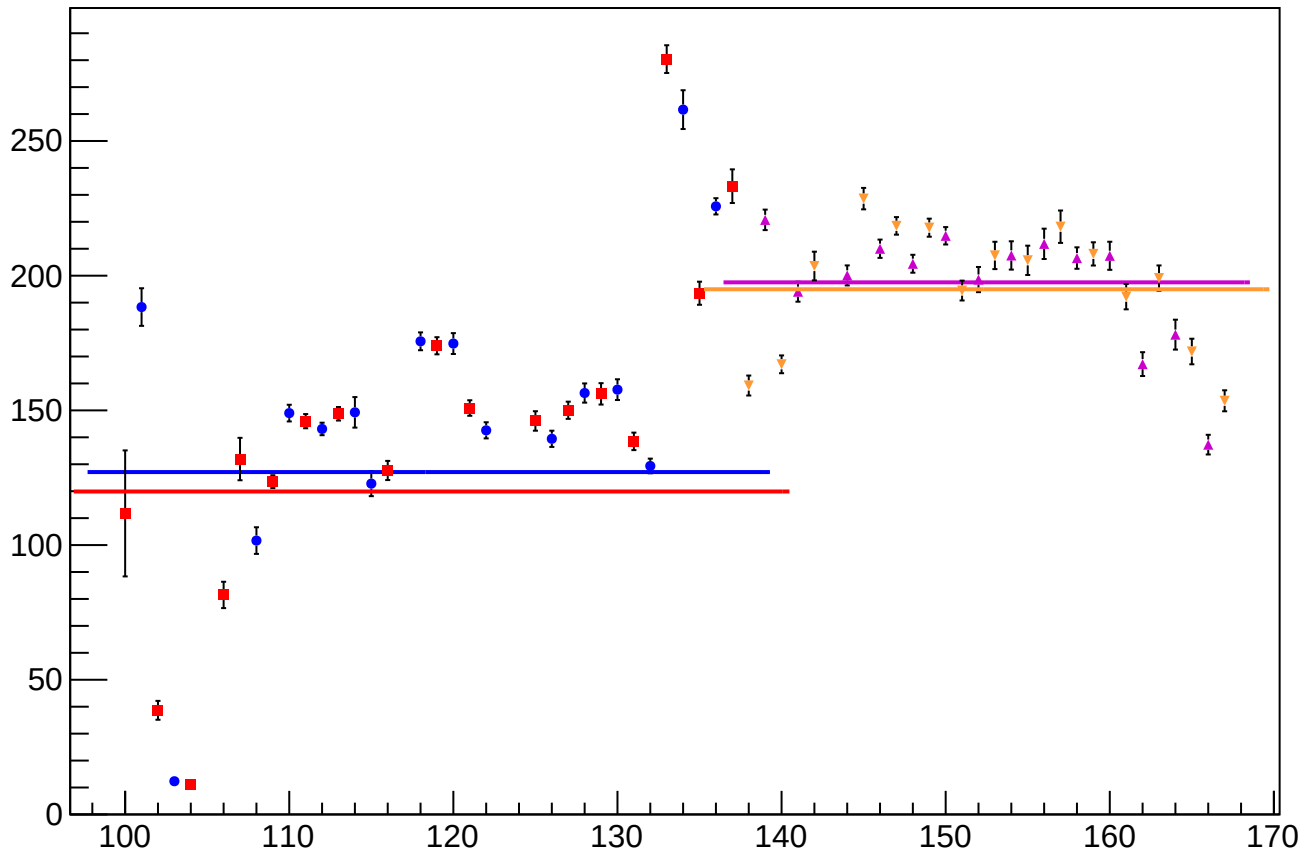
Left In: -188.644+/-0.071 χ^2/NDF : 61370.7/13

+ sign -176.428+/-0.058 χ^2/NDF : 437343.0/30

All: -173.102+/-0.041 χ^2/NDF : 1019327.0/62

- sign -169.866+/-0.057 χ^2/NDF : 575502.4/31

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100 ± 0.811 χ^2/NDF : 6163.2/15

Left Out: 194.958 ± 1.069 χ^2/NDF : 508.6/14

Right Out: 119.886 ± 0.774 χ^2/NDF : 6649.6/17

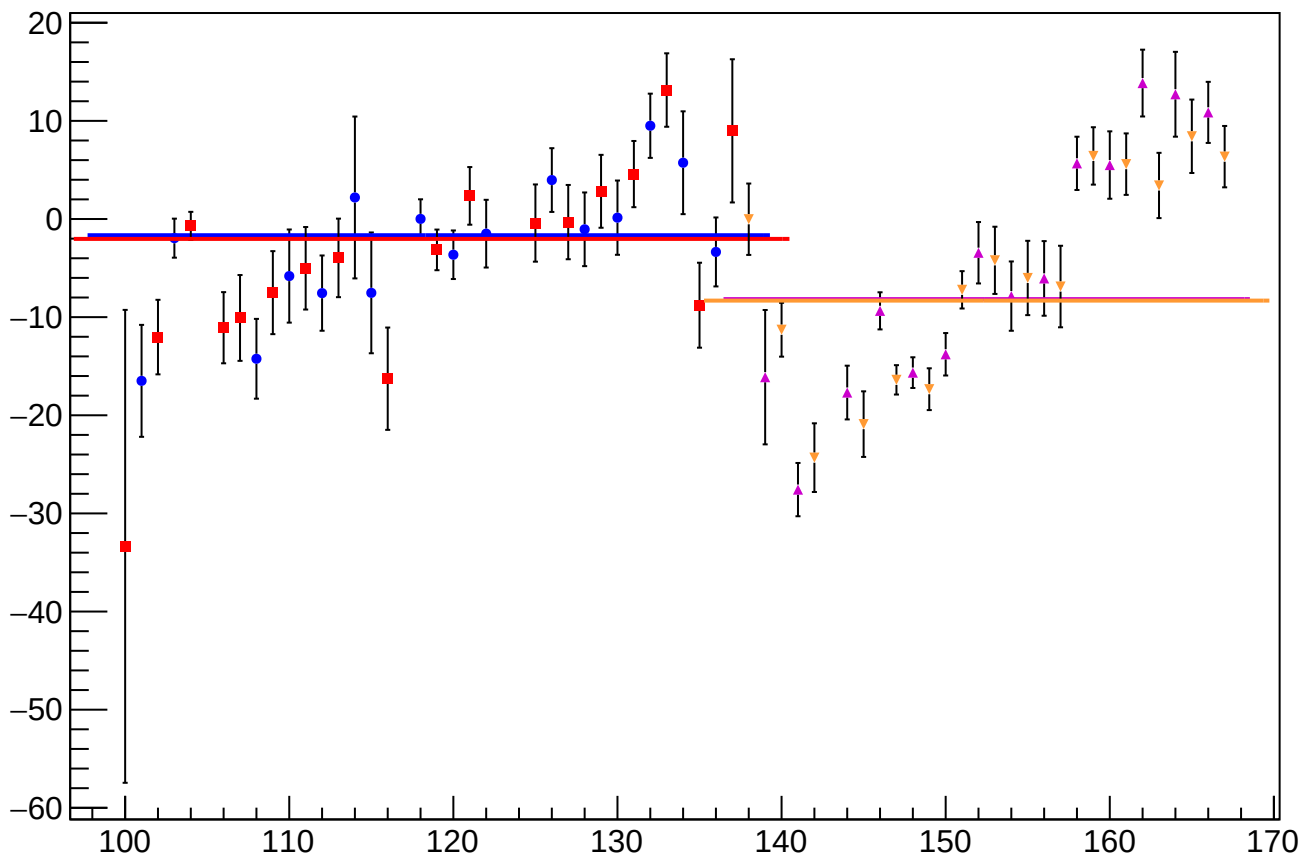
Left In: 197.526 ± 1.079 χ^2/NDF : 435.0/13

+ sign 151.869 ± 0.646 χ^2/NDF : 9228.4/30

All: 148.996 ± 0.451 χ^2/NDF : 19769.2/62

- sign 146.272 ± 0.629 χ^2/NDF : 10502.3/31

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: -8.314 ± 0.704 χ^2/NDF : 190.4/14

Right Out: -2.027 ± 0.770 χ^2/NDF : 58.6/17

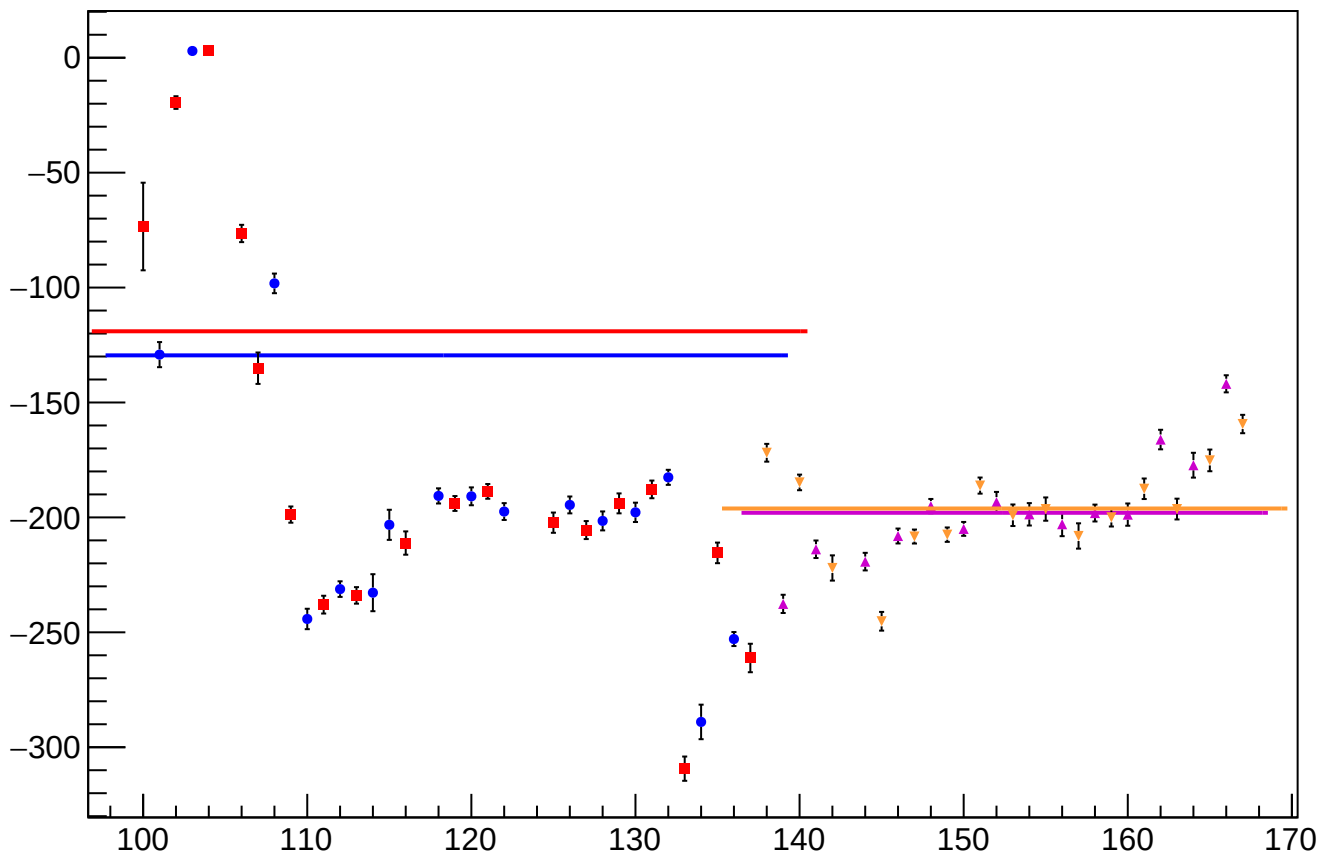
Left In: -8.162 ± 0.724 χ^2/NDF : 241.6/13

+ sign -5.538 ± 0.538 χ^2/NDF : 266.8/30

All: -5.408 ± 0.377 χ^2/NDF : 600.8/62

- sign -5.284 ± 0.528 χ^2/NDF : 333.8/31

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497 ± 0.846 $\chi^2/\text{NDF}: 14687.9/15$

Left Out: -196.124 ± 1.040 $\chi^2/\text{NDF}: 369.2/14$

Right Out: -119.022 ± 0.813 $\chi^2/\text{NDF}: 16177.3/17$

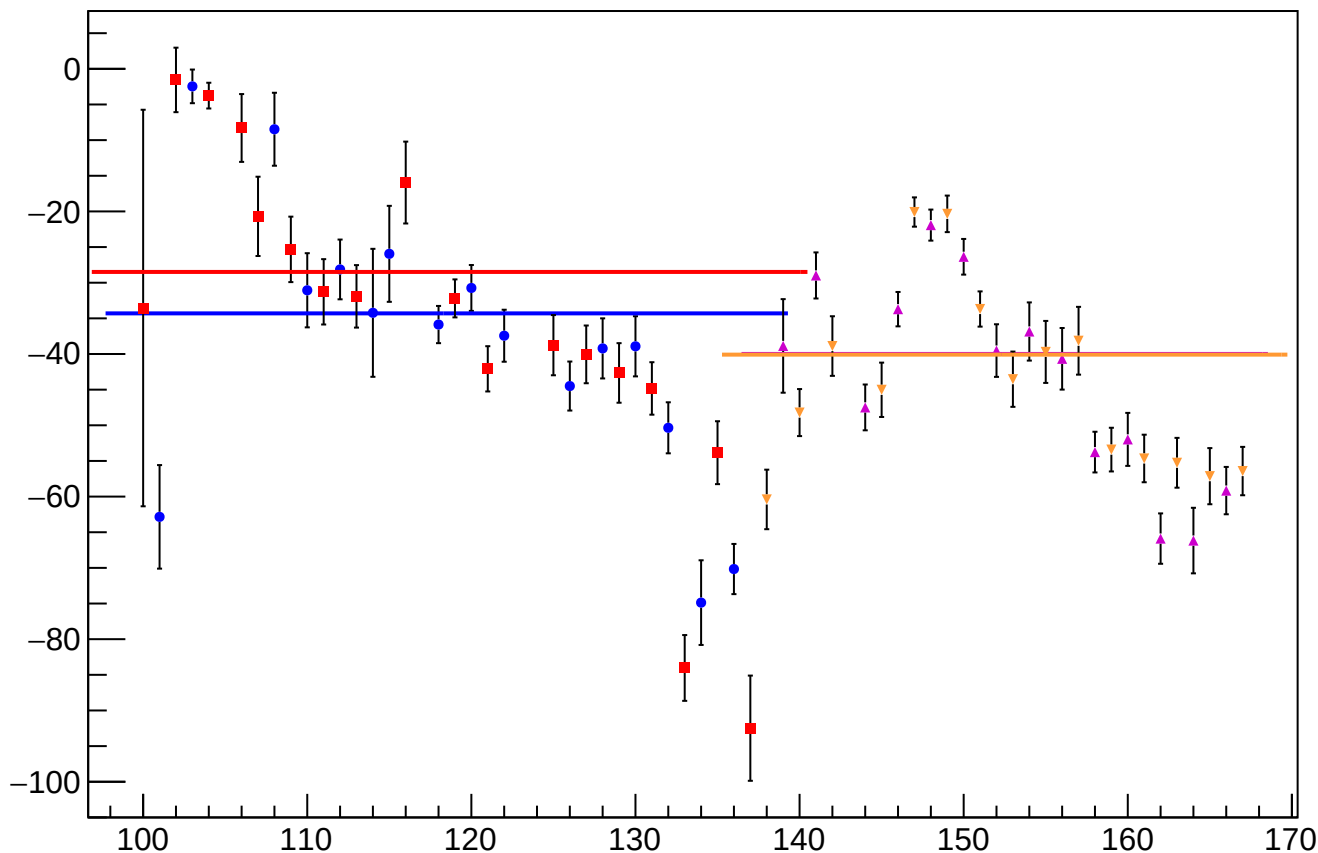
Left In: -197.990 ± 1.045 $\chi^2/\text{NDF}: 463.8/13$

+ sign -156.058 ± 0.656 $\chi^2/\text{NDF}: 17527.4/30$

All: -152.348 ± 0.459 $\chi^2/\text{NDF}: 37791.0/62$

- sign -148.805 ± 0.641 $\chi^2/\text{NDF}: 20201.2/31$

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -34.301 ± 0.968 χ^2/NDF : 411.3/15

Left Out: -40.088 ± 0.839 χ^2/NDF : 292.1/14

Right Out: -28.488 ± 0.907 χ^2/NDF : 568.0/17

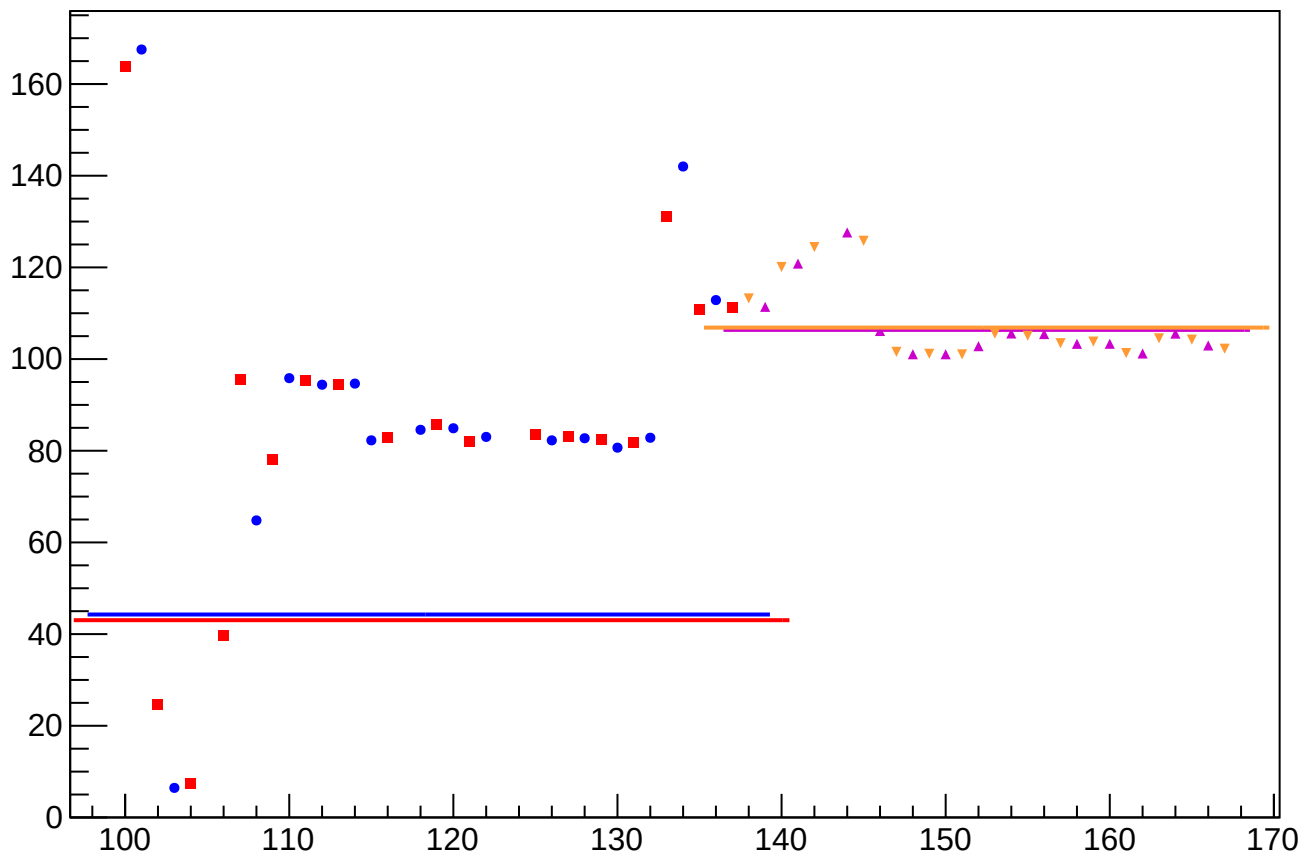
Left In: -39.992 ± 0.858 χ^2/NDF : 276.2/13

+ sign -37.605 ± 0.634 χ^2/NDF : 723.8/30

All: -36.056 ± 0.444 χ^2/NDF : 1664.7/62

- sign -34.559 ± 0.623 χ^2/NDF : 929.1/31

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: 106.863 ± 0.040 χ^2/NDF : 37977.2/14

Right Out: 43.035 ± 0.045 χ^2/NDF : 805108.5/17

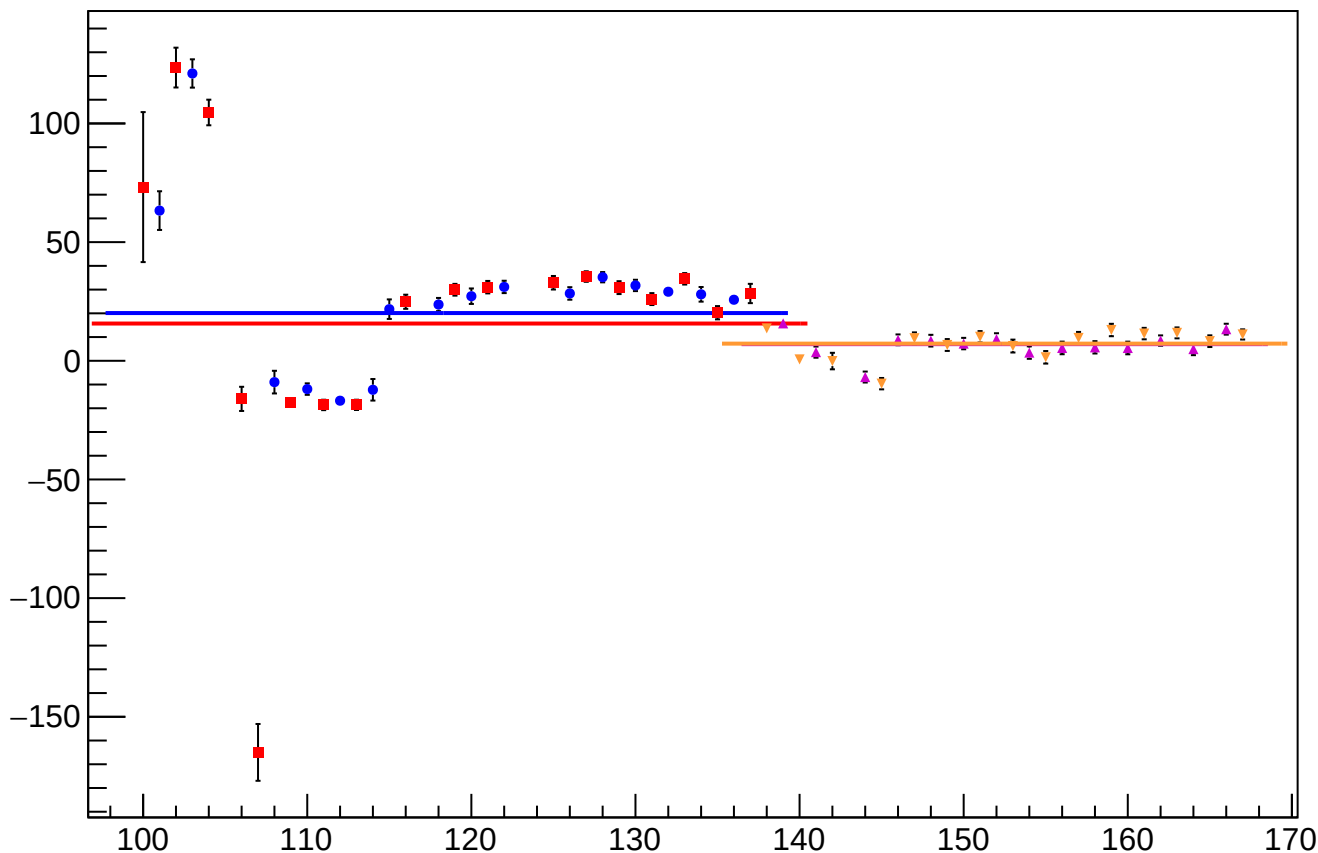
Left In: 106.367 ± 0.040 χ^2/NDF : 31903.9/13

+ sign 79.075 ± 0.030 χ^2/NDF : 2201478.0/30

All: 78.696 ± 0.021 χ^2/NDF : 4140525.1/62

- sign 78.317 ± 0.030 χ^2/NDF : 1938727.7/31

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: 7.232 ± 0.628 $\chi^2/\text{NDF}: 97.0/14$

Right Out: 15.700 ± 0.682 $\chi^2/\text{NDF}: 1773.8/17$

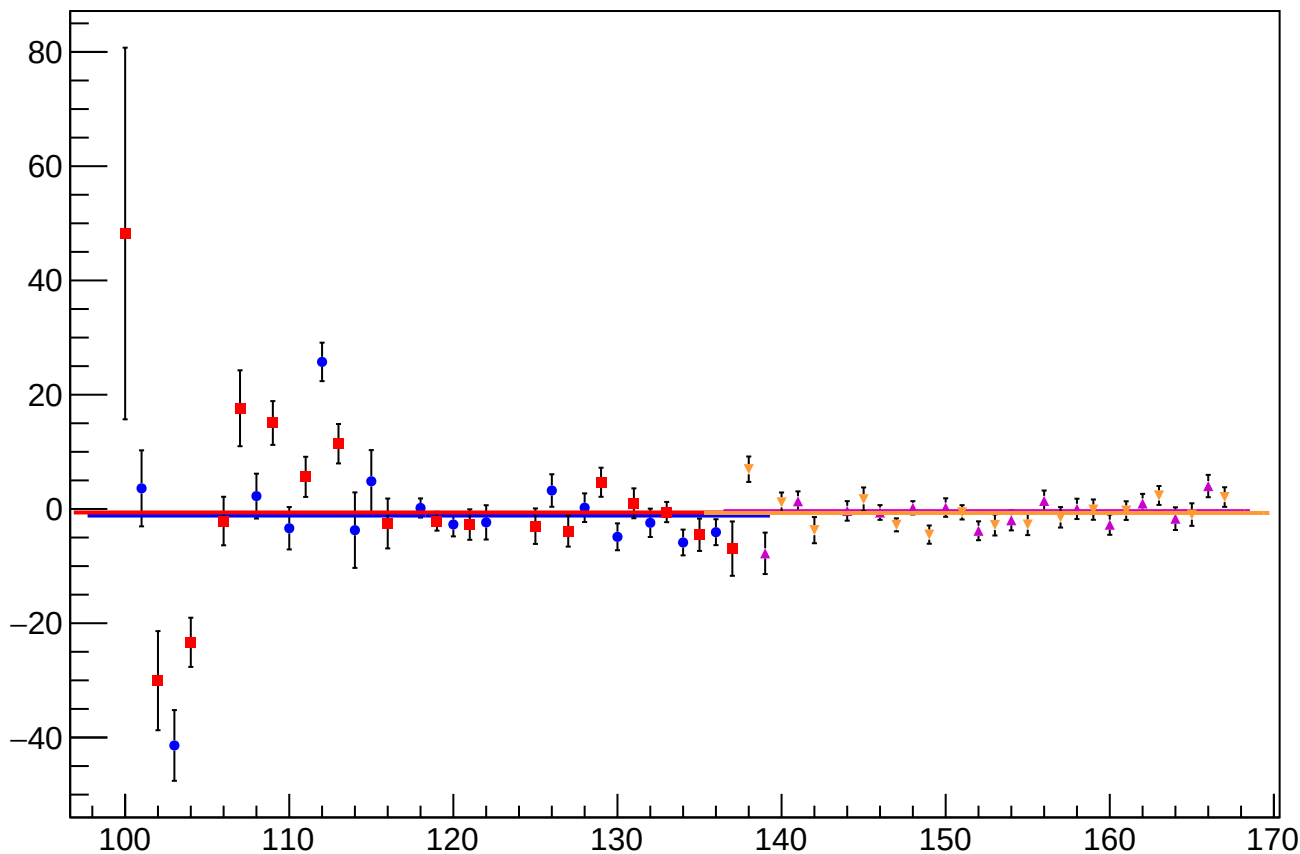
Left In: 7.010 ± 0.640 $\chi^2/\text{NDF}: 70.4/13$

+ sign 13.094 ± 0.463 $\chi^2/\text{NDF}: 1336.8/30$

All: 12.094 ± 0.329 $\chi^2/\text{NDF}: 3276.7/62$

- sign 11.080 ± 0.467 $\chi^2/\text{NDF}: 1930.6/31$

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: -0.699 ± 0.434 χ^2/NDF : 34.0/14

Right Out: -0.614 ± 0.713 χ^2/NDF : 93.4/17

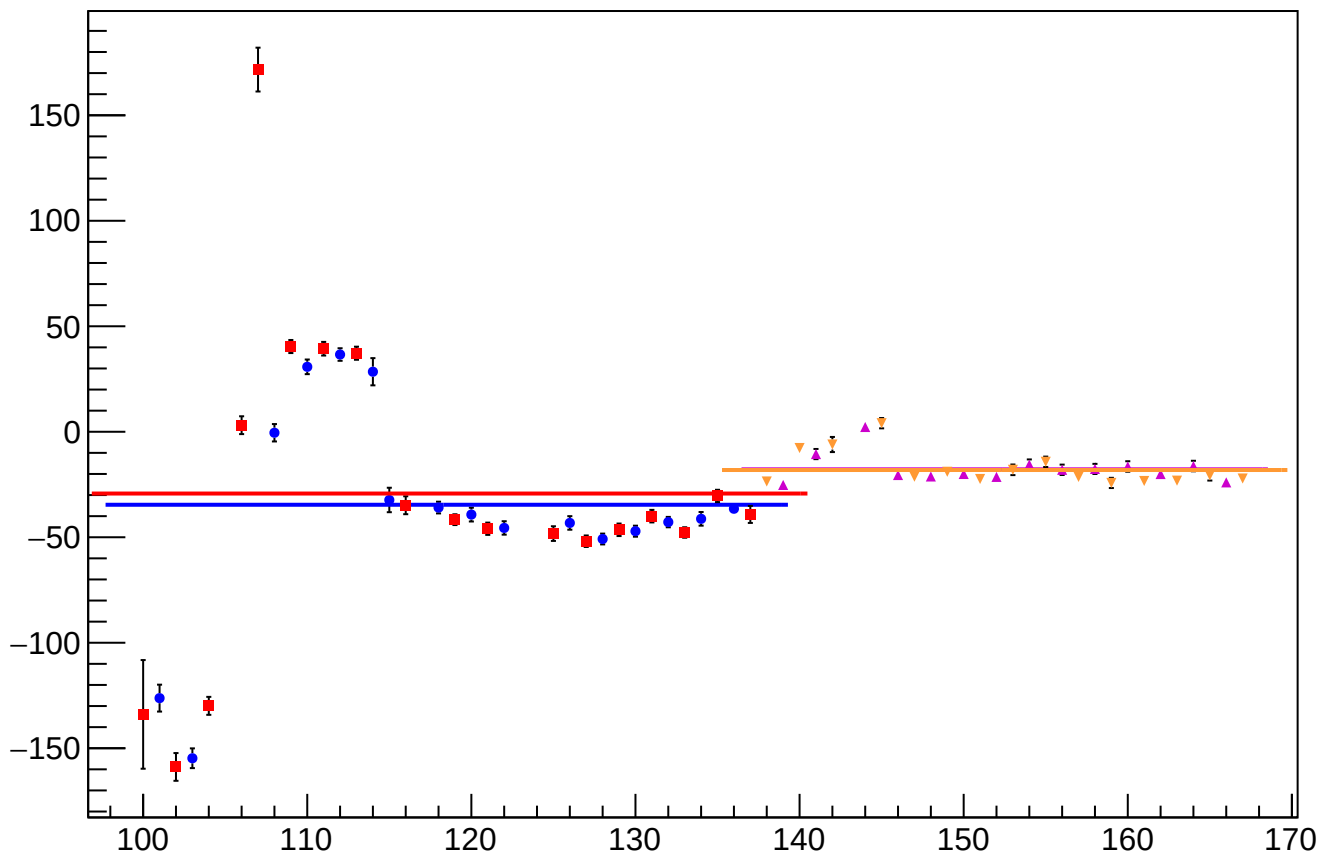
Left In: -0.381 ± 0.449 χ^2/NDF : 19.6/13

+ sign -0.824 ± 0.369 χ^2/NDF : 156.1/30

All: -0.642 ± 0.265 χ^2/NDF : 269.7/62

- sign -0.447 ± 0.380 χ^2/NDF : 113.1/31

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: -18.128 ± 0.611 χ^2/NDF : 155.1/14

Right Out: -29.277 ± 0.800 χ^2/NDF : 3081.1/17

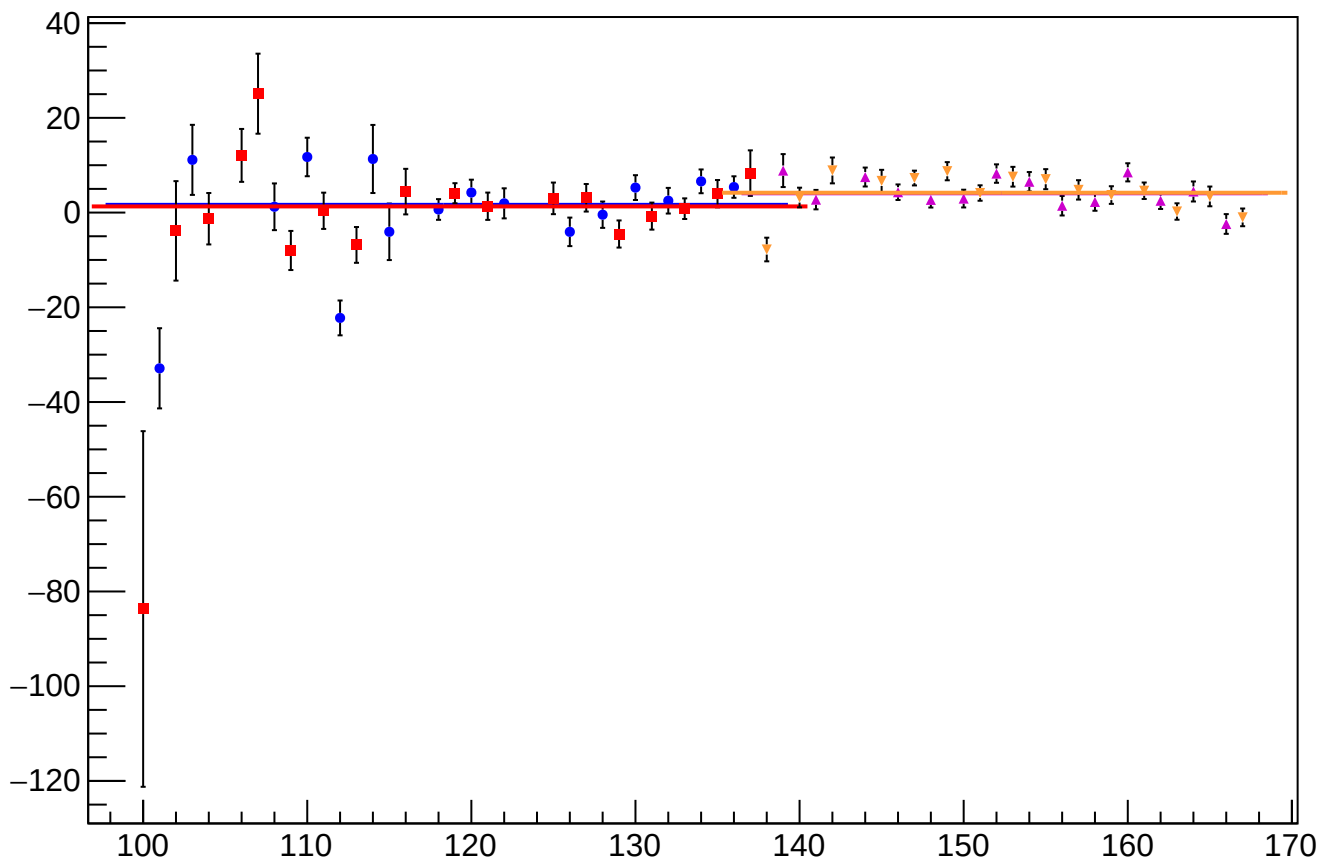
Left In: -17.796 ± 0.620 χ^2/NDF : 109.6/13

+ sign -24.327 ± 0.482 χ^2/NDF : 2487.3/30

All: -23.236 ± 0.344 χ^2/NDF : 5816.9/62

- sign -22.109 ± 0.490 χ^2/NDF : 3319.3/31

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630 $\pm$ 0.797 χ^2 /NDF: 83.3/15

Left Out: 4.186 $\pm$ 0.504 χ^2 /NDF: 54.8/14

Right Out: 1.298 $\pm$ 0.817 χ^2 /NDF: 37.5/17

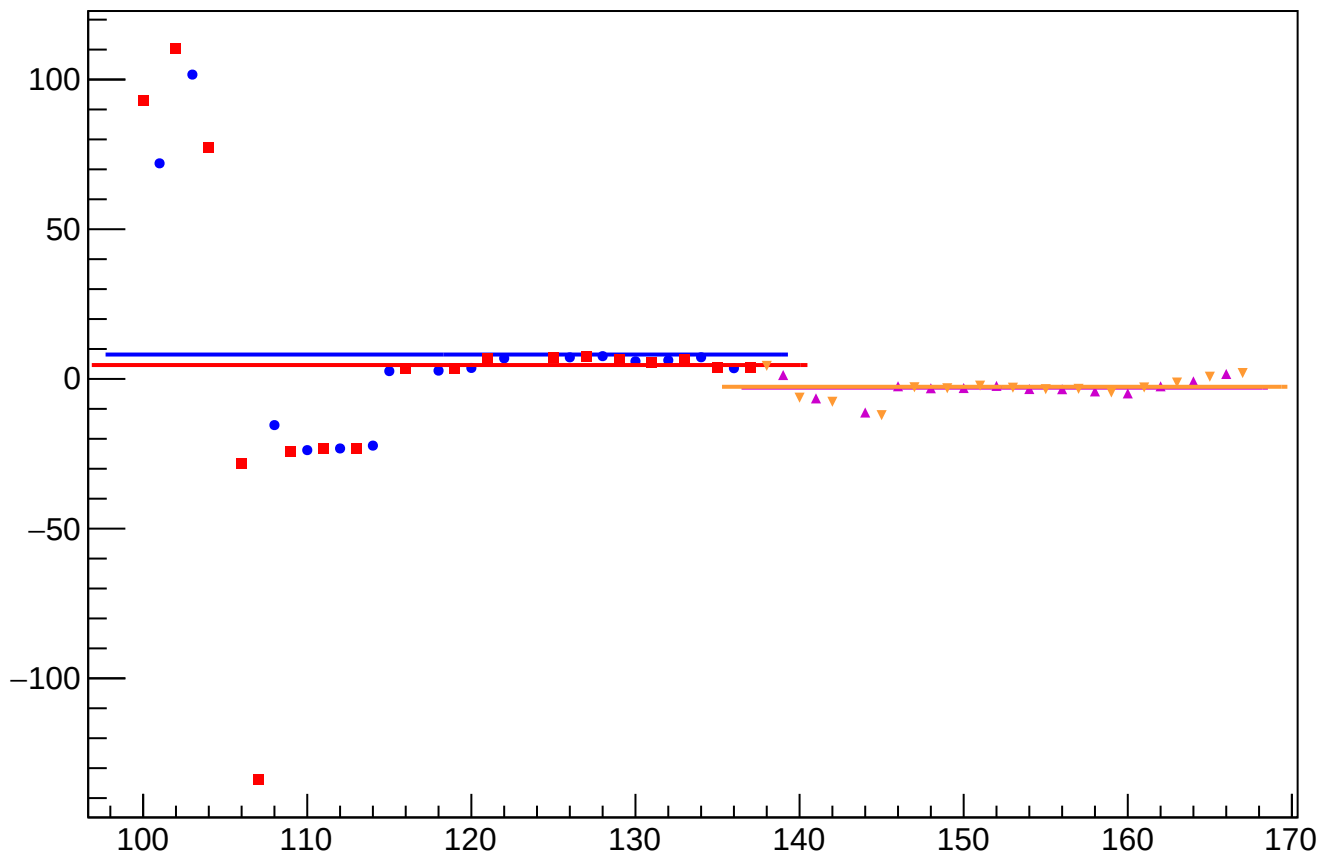
Left In: 4.071 $\pm$ 0.521 χ^2 /NDF: 30.8/13

+ sign 3.455 $\pm$ 0.426 χ^2 /NDF: 145.4/30

All: 3.365 $\pm$ 0.306 χ^2 /NDF: 222.0/62

- sign 3.270 $\pm$ 0.439 χ^2 /NDF: 76.5/31

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: -2.622+/-0.023 χ^2/NDF : 24693.4/14

Right Out: 4.638+/-0.052 χ^2/NDF : 446805.7/17

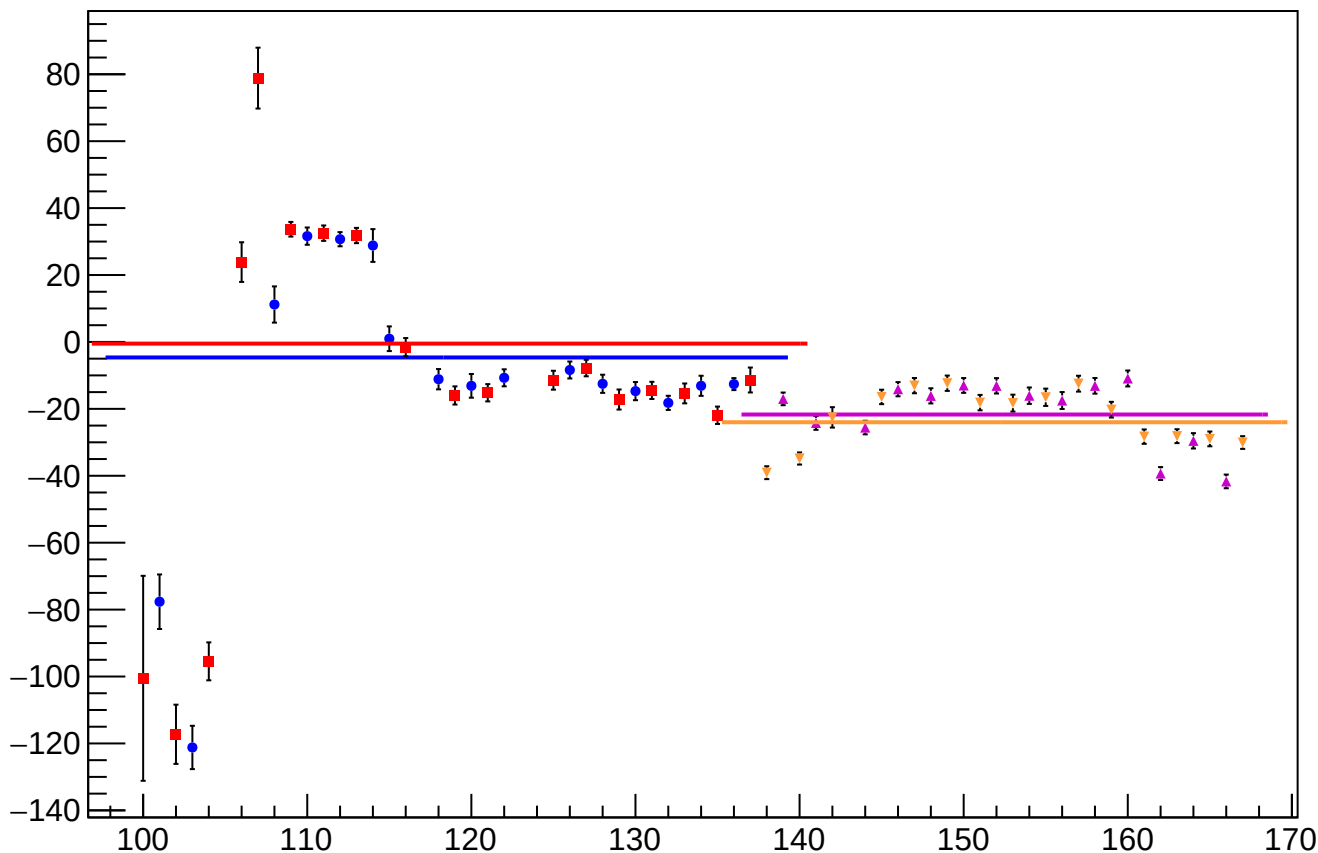
Left In: -2.914+/-0.023 χ^2/NDF : 14412.1/13

+ sign -0.653+/-0.021 χ^2/NDF : 378537.1/30

All: -1.131+/-0.015 χ^2/NDF : 858592.3/62

- sign -1.636+/-0.021 χ^2/NDF : 478956.0/31

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: -24.000 ± 0.572 χ^2/NDF : 227.8/14

Right Out: -0.505 ± 0.711 χ^2/NDF : 1457.8/17

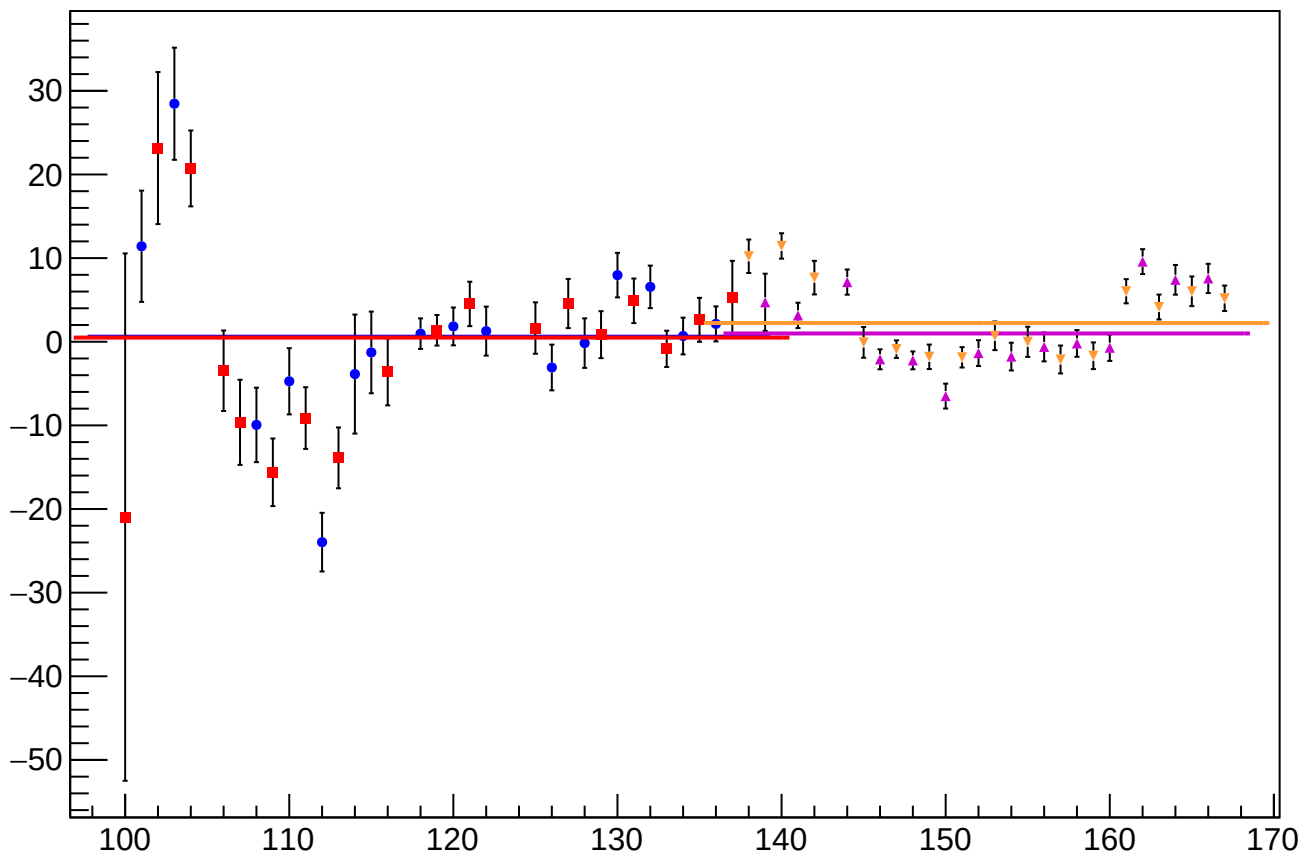
Left In: -21.693 ± 0.583 χ^2/NDF : 291.8/13

+ sign -16.407 ± 0.446 χ^2/NDF : 1724.1/30

All: -14.808 ± 0.317 χ^2/NDF : 4030.9/62

- sign -13.172 ± 0.451 χ^2/NDF : 2280.8/31

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: 2.238 ± 0.397 χ^2/NDF : 121.5/14

Right Out: 0.496 ± 0.755 χ^2/NDF : 80.2/17

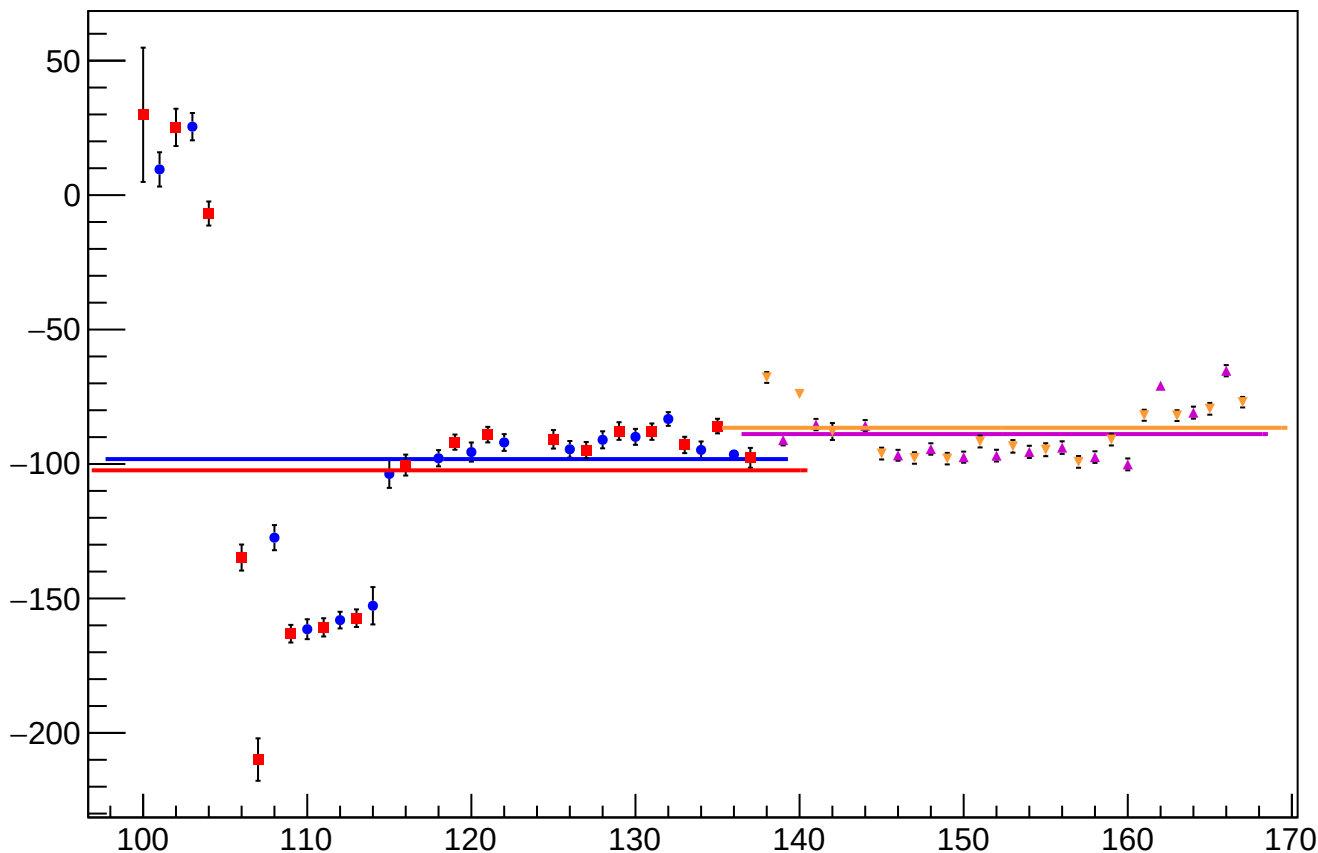
Left In: 0.989 ± 0.409 χ^2/NDF : 129.0/13

+ sign 1.862 ± 0.348 χ^2/NDF : 218.3/30

All: 1.385 ± 0.250 χ^2/NDF : 431.6/62

- sign 0.877 ± 0.359 χ^2/NDF : 209.5/31

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168 ± 0.813 $\chi^2/\text{NDF}: 1699.9/15$

Left Out: -86.529 ± 0.557 $\chi^2/\text{NDF}: 315.8/14$

Right Out: -102.349 ± 0.837 $\chi^2/\text{NDF}: 2117.5/17$

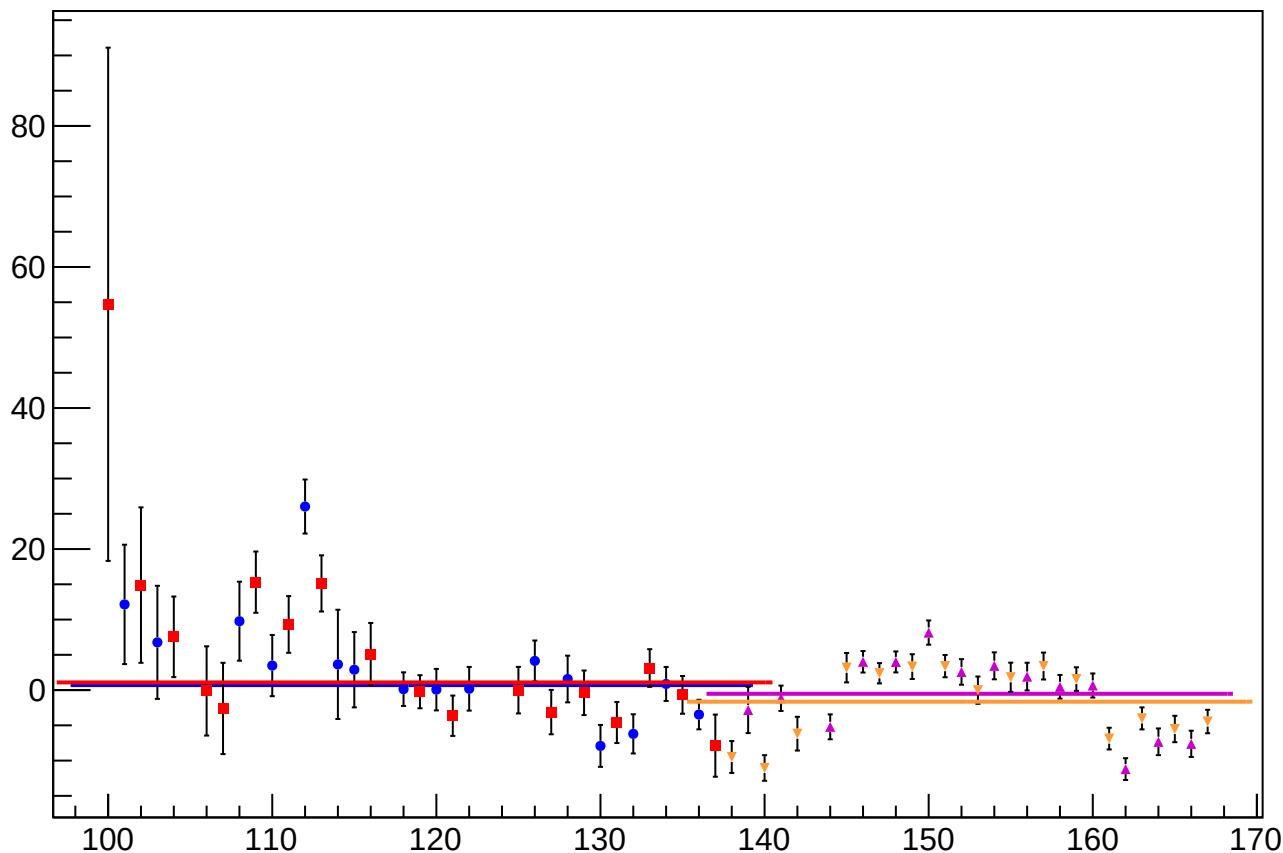
Left In: -88.869 ± 0.565 $\chi^2/\text{NDF}: 347.8/13$

+ sign -90.249 ± 0.459 $\chi^2/\text{NDF}: 2155.3/30$

All: -91.643 ± 0.328 $\chi^2/\text{NDF}: 4817.6/62$

- sign -93.093 ± 0.469 $\chi^2/\text{NDF}: 2643.5/31$

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: -1.646 ± 0.460 χ^2/NDF : 109.0/14

Right Out: 1.088 ± 0.856 χ^2/NDF : 47.7/17

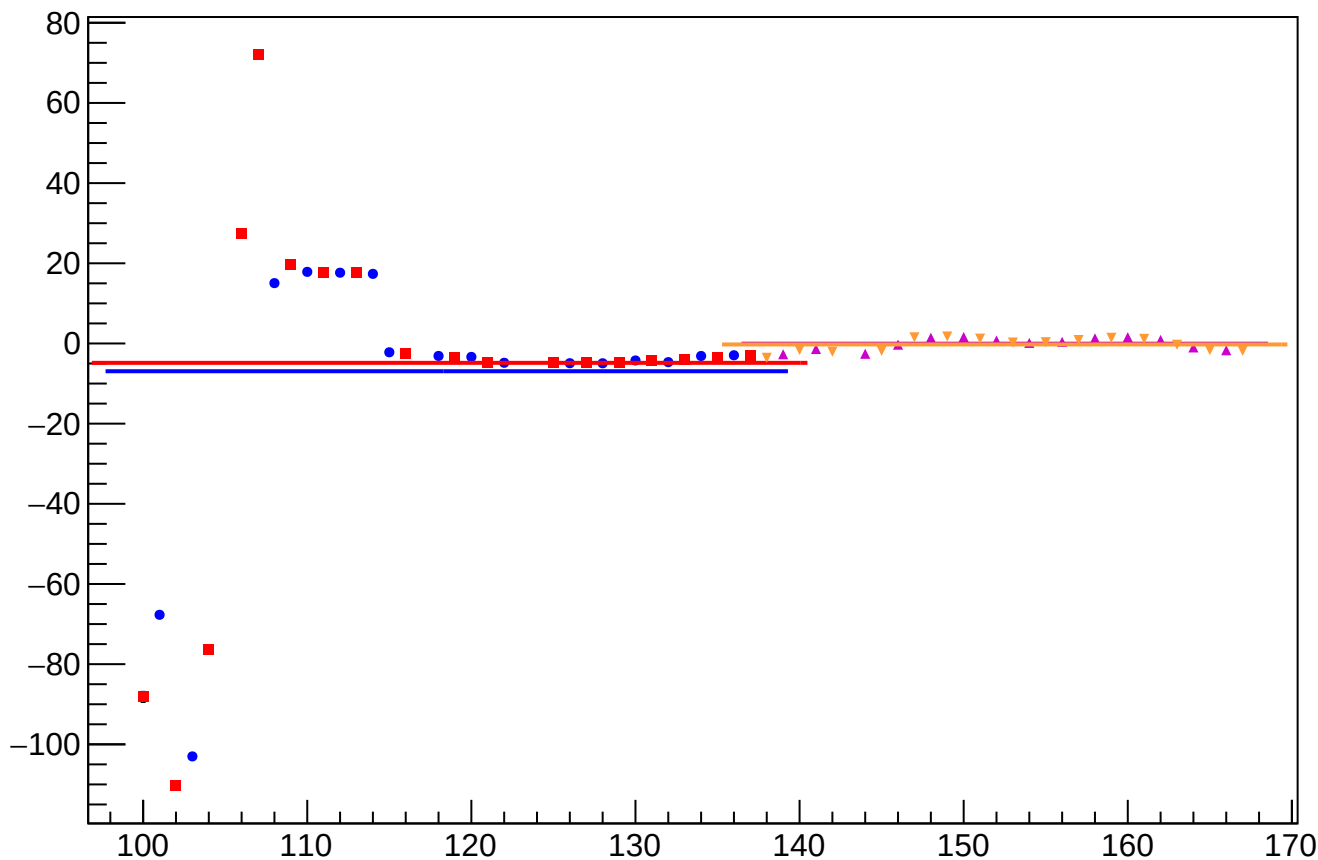
Left In: -0.525 ± 0.473 χ^2/NDF : 136.0/13

+ sign -1.083 ± 0.401 χ^2/NDF : 184.9/30

All: -0.630 ± 0.288 χ^2/NDF : 373.9/62

- sign -0.148 ± 0.414 χ^2/NDF : 186.4/31

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: -0.246+/-0.021 χ^2 /NDF: 5686.5/14

Right Out: -4.833+/-0.053 χ^2 /NDF: 339363.3/17

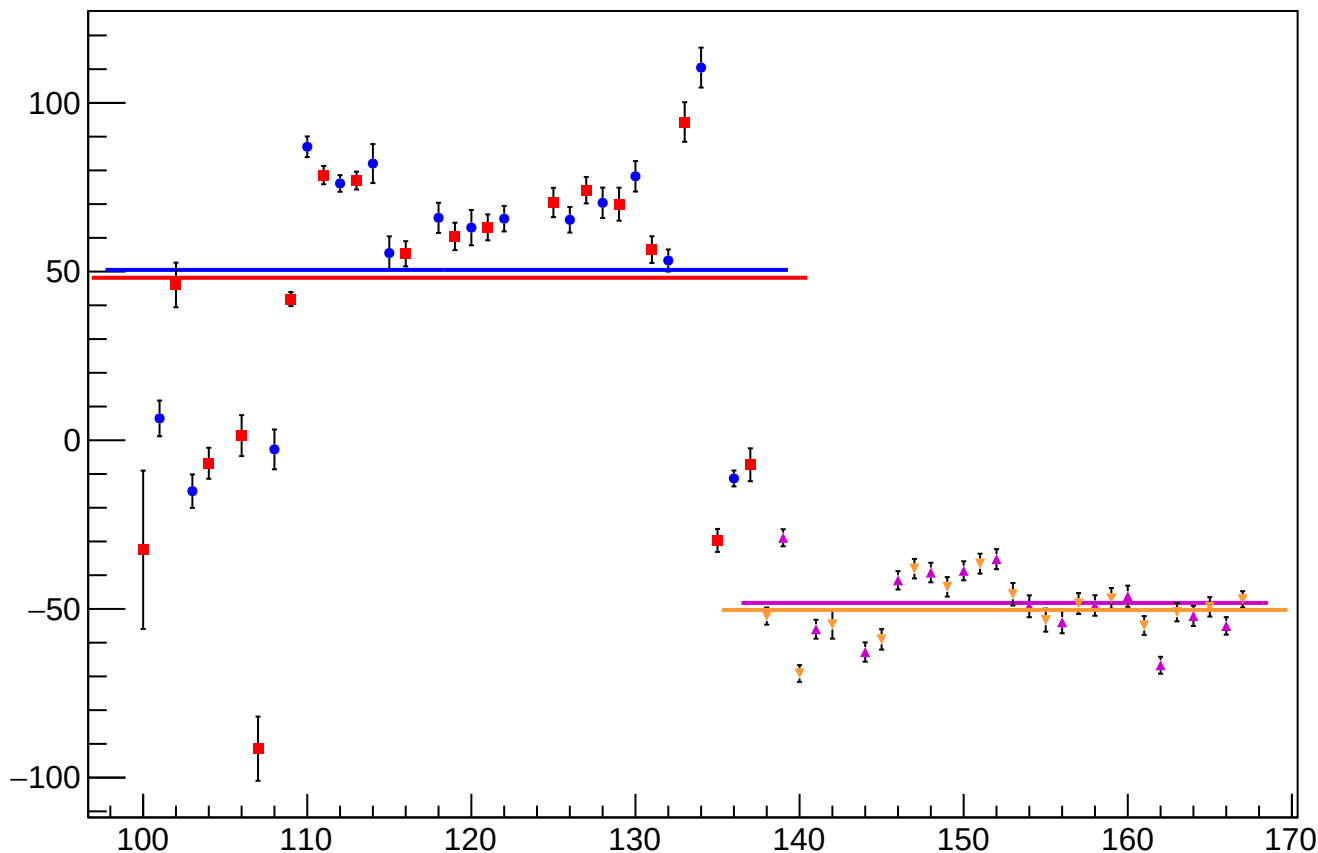
Left In: -0.055+/-0.021 χ^2 /NDF: 4623.7/13

+ sign -1.293+/-0.019 χ^2 /NDF: 286856.4/30

All: -1.017+/-0.014 χ^2 /NDF: 638309.8/62

- sign -0.724+/-0.020 χ^2 /NDF: 351027.3/31

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503 ± 0.965 $\chi^2/\text{NDF}: 1503.6/15$

Left Out: -50.290 ± 0.749 $\chi^2/\text{NDF}: 121.6/14$

Right Out: 48.172 ± 0.914 $\chi^2/\text{NDF}: 1519.5/17$

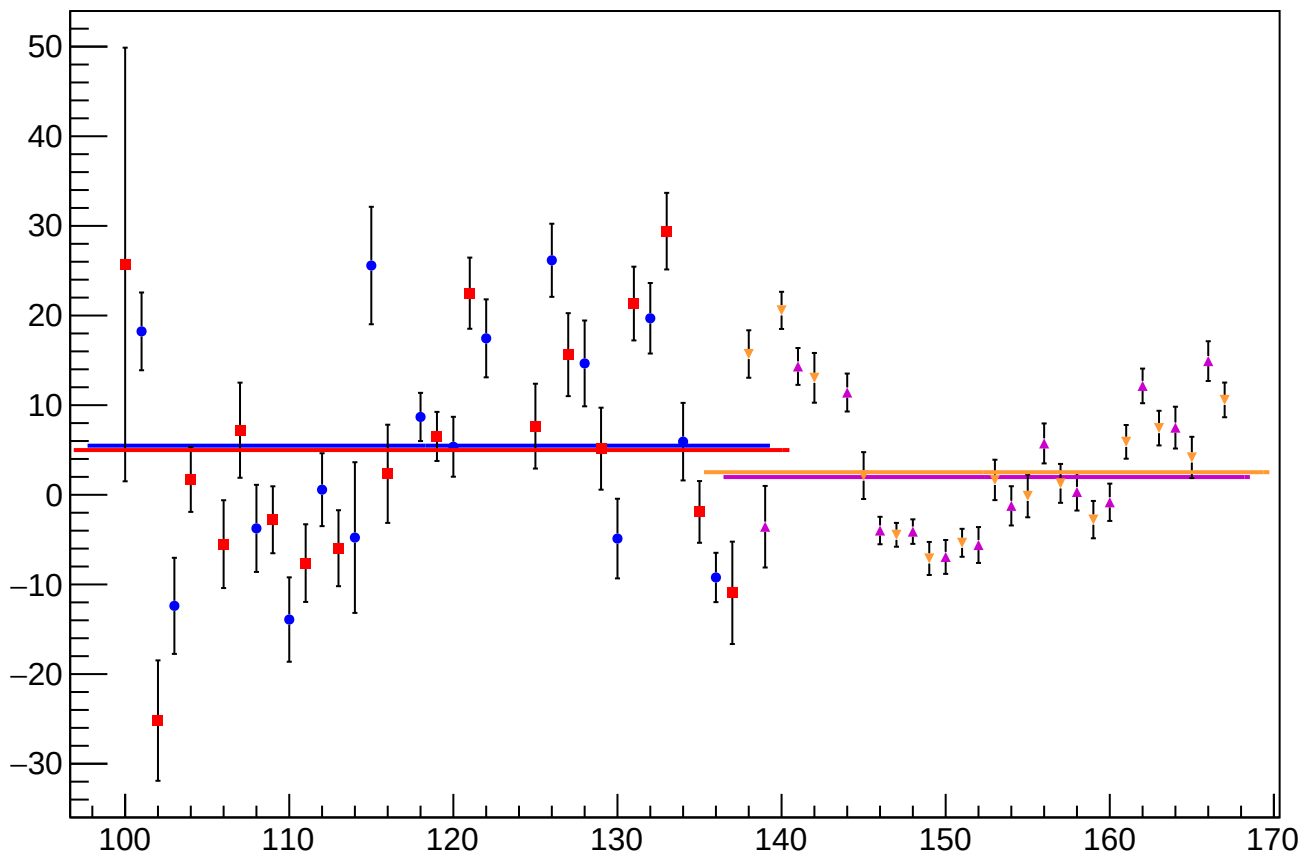
Left In: -48.211 ± 0.763 $\chi^2/\text{NDF}: 205.0/13$

+ sign -12.408 ± 0.592 $\chi^2/\text{NDF}: 8429.8/30$

All: -10.501 ± 0.416 $\chi^2/\text{NDF}: 16724.3/62$

- sign -8.631 ± 0.586 $\chi^2/\text{NDF}: 8273.9/31$

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 5.481 $\pm$ 1.021 χ^2 /NDF: 138.2/15

Left Out: 2.522 $\pm$ 0.517 χ^2 /NDF: 231.2/14

Right Out: 4.992 $\pm$ 1.023 χ^2 /NDF: 131.8/17

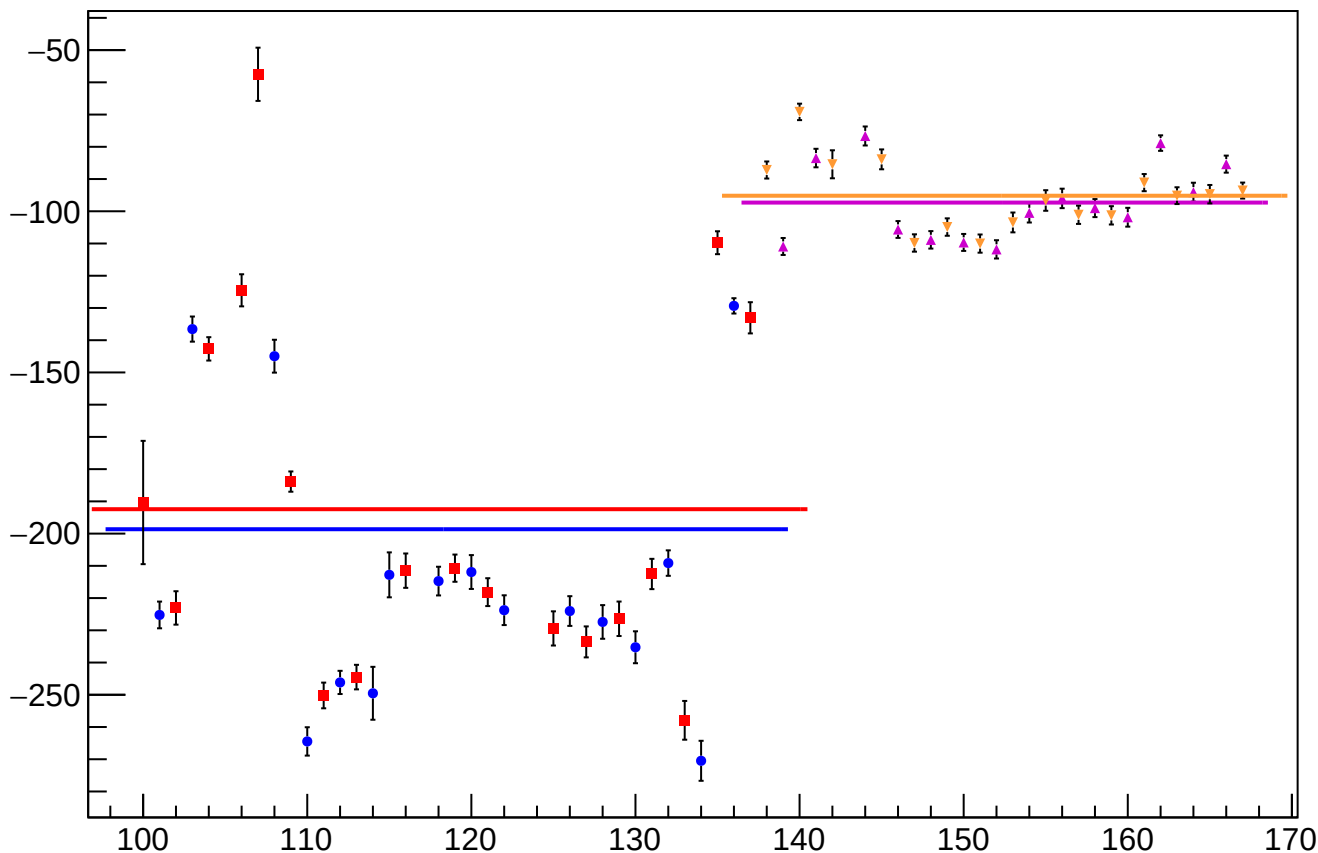
Left In: 1.981 $\pm$ 0.532 χ^2 /NDF: 203.8/13

+ sign 3.125 $\pm$ 0.461 χ^2 /NDF: 376.0/30

All: 2.880 $\pm$ 0.330 χ^2 /NDF: 719.1/62

- sign 2.623 $\pm$ 0.472 χ^2 /NDF: 342.4/31

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641 ± 1.083 χ^2/NDF : 2002.3/15

Left Out: -95.178 ± 0.729 χ^2/NDF : 220.9/14

Right Out: -192.426 ± 1.080 χ^2/NDF : 2139.0/17

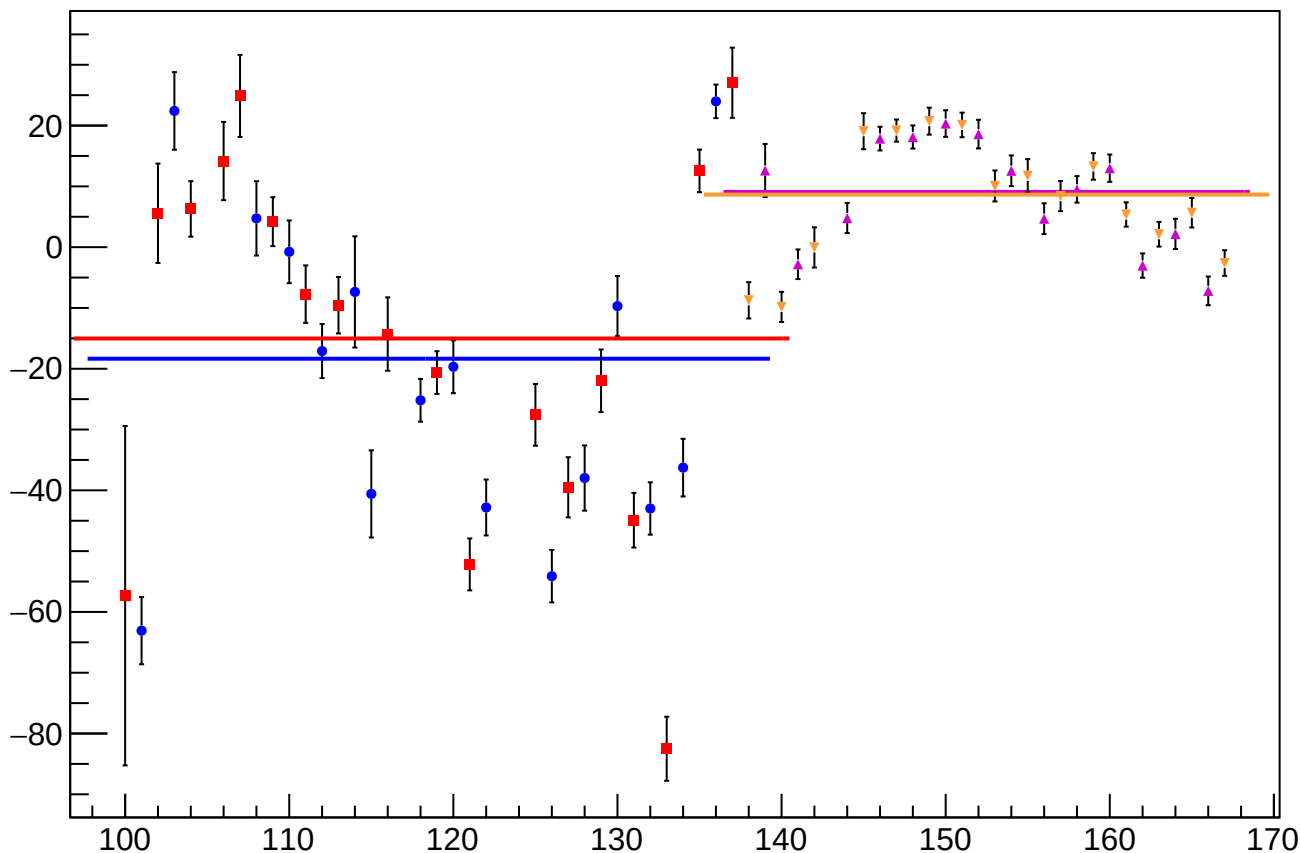
Left In: -97.304 ± 0.739 χ^2/NDF : 260.2/13

+ sign -127.420 ± 0.605 χ^2/NDF : 8501.2/30

All: -127.539 ± 0.429 χ^2/NDF : 16185.0/62

- sign -127.659 ± 0.610 χ^2/NDF : 7683.7/31

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -18.348 $\pm$ 1.159 χ^2/NDF : 543.9/15

Left Out: 8.645 $\pm$ 0.600 χ^2/NDF :253.0/14

Right Out: -15.021 $\pm$ 1.162 χ^2/NDF : 546.4/17

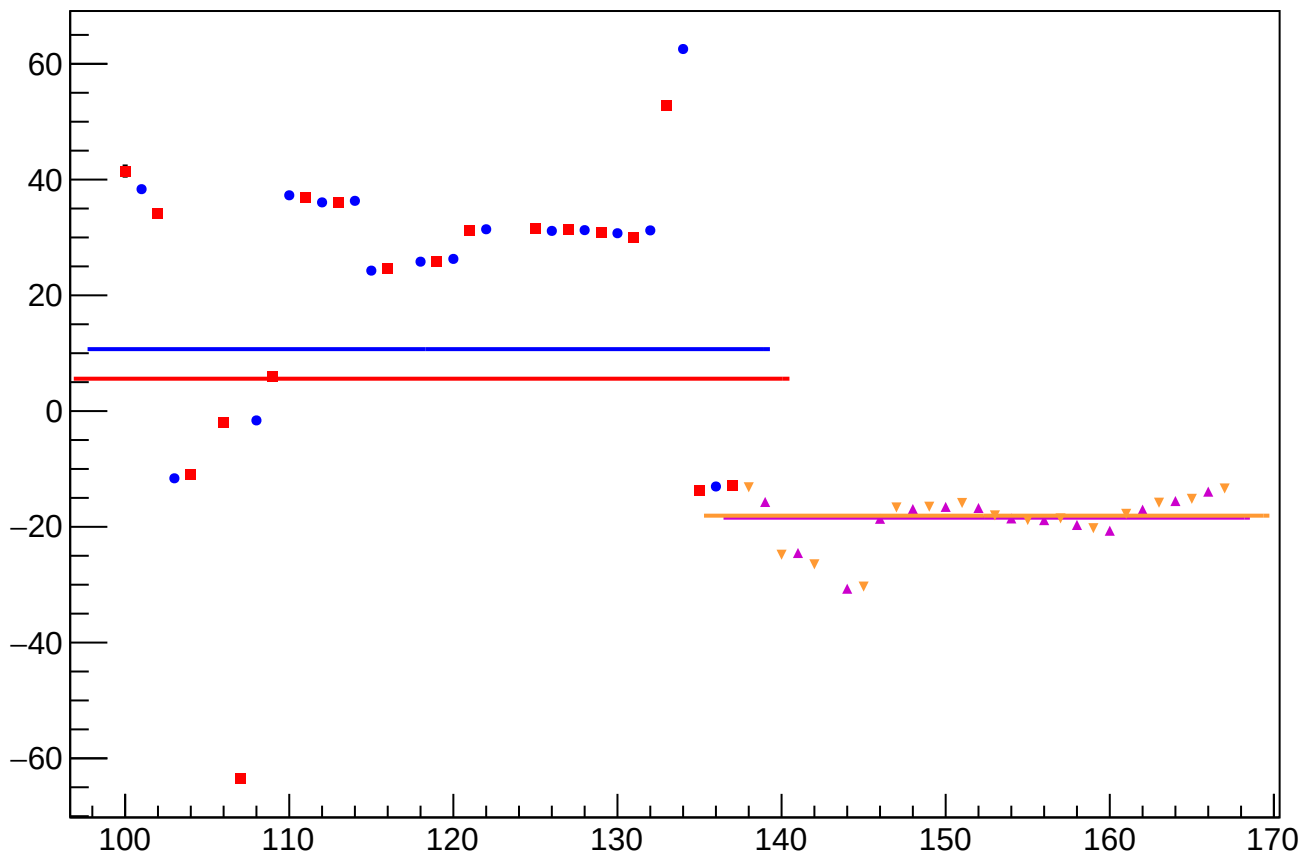
Left In: 9.089 $\pm$ 0.617 χ^2/NDF :212.9/13

+ sign 2.940 $\pm$ 0.533 χ^2/NDF : 1224.4/30

All: 3.351 $\pm$ 0.381 χ^2/NDF : 2320.8/62

- sign 3.781 $\pm$ 0.545 χ^2/NDF : 1095.2/31

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: -18.071+/-0.027 χ^2/NDF : 23472.4/14

Right Out: 5.595+/-0.064 χ^2/NDF : 154966.4/17

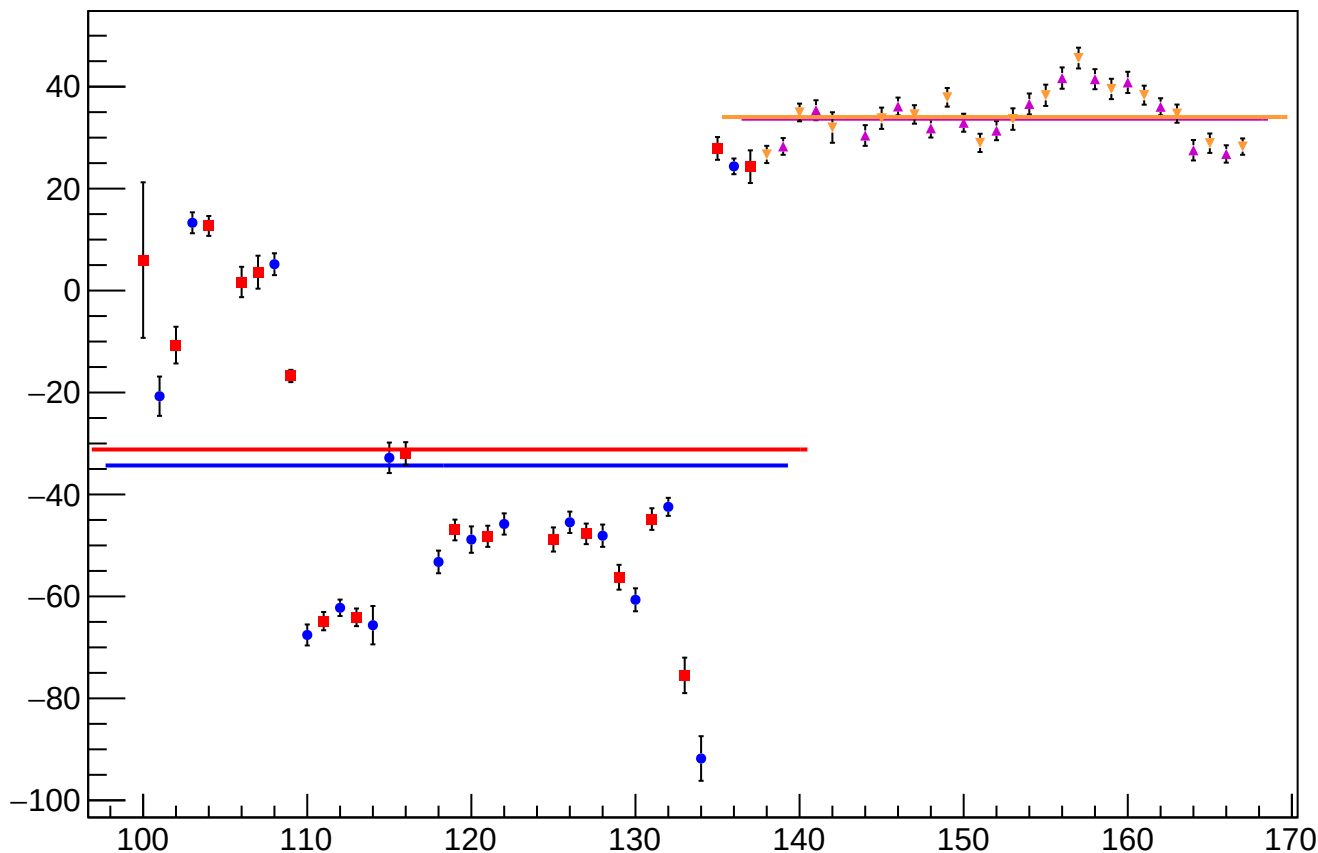
Left In: -18.420+/-0.028 χ^2/NDF : 16351.7/13

+ sign -13.491+/-0.025 χ^2/NDF : 364288.8/30

All: -14.017+/-0.018 χ^2/NDF : 656098.6/62

- sign -14.560+/-0.026 χ^2/NDF : 290918.0/31

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315 ± 0.548 χ^2/NDF : 3500.2/15

Left Out: 34.044 ± 0.491 χ^2/NDF : 102.0/14

Right Out: -31.175 ± 0.516 χ^2/NDF : 3200.4/17

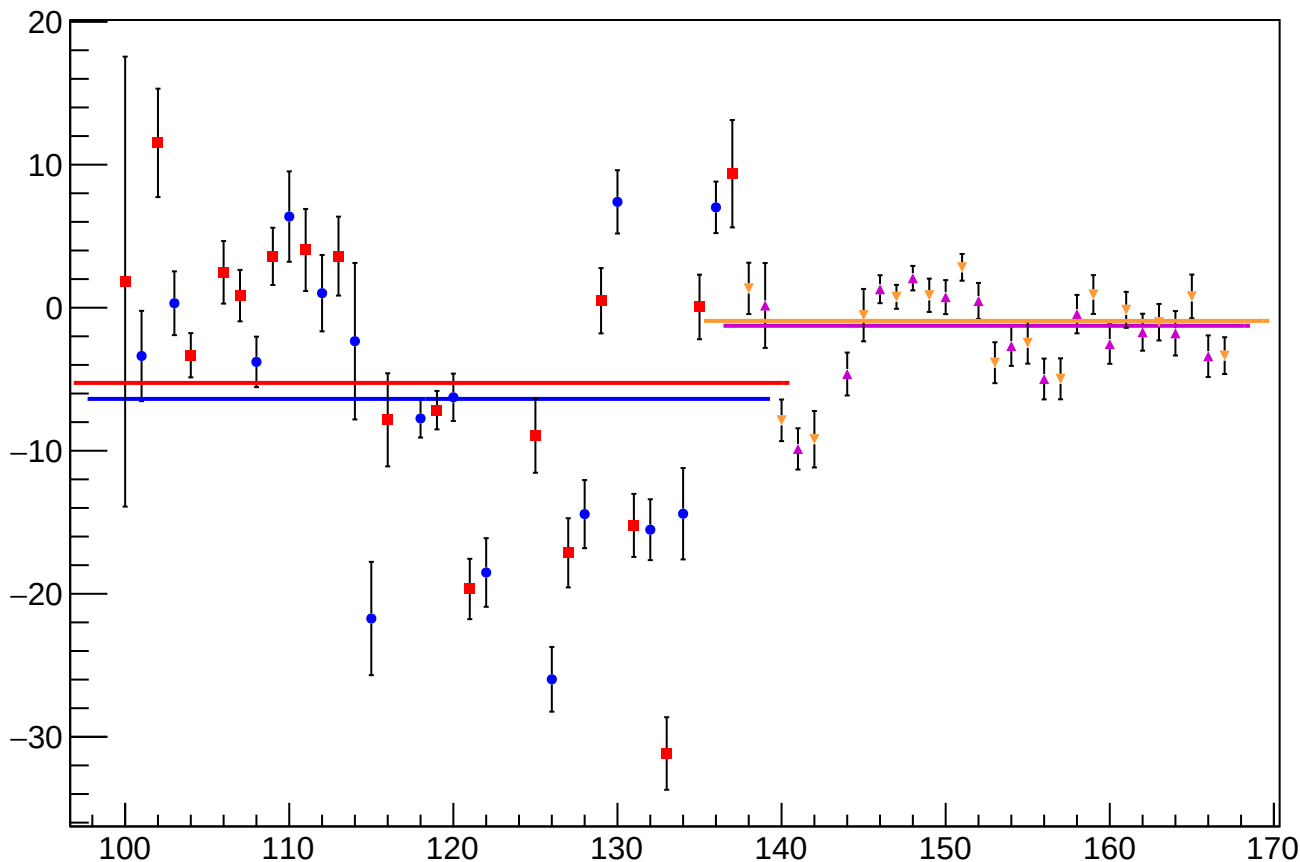
Left In: 33.714 ± 0.499 χ^2/NDF : 90.7/13

+ sign 3.603 ± 0.366 χ^2/NDF : 12240.5/30

All: 2.959 ± 0.256 χ^2/NDF : 23713.8/62

- sign 2.339 ± 0.359 χ^2/NDF : 11467.2/31

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: -0.920 ± 0.335 χ^2/NDF : 84.9/14

Right Out: -5.256 ± 0.533 χ^2/NDF : 312.9/17

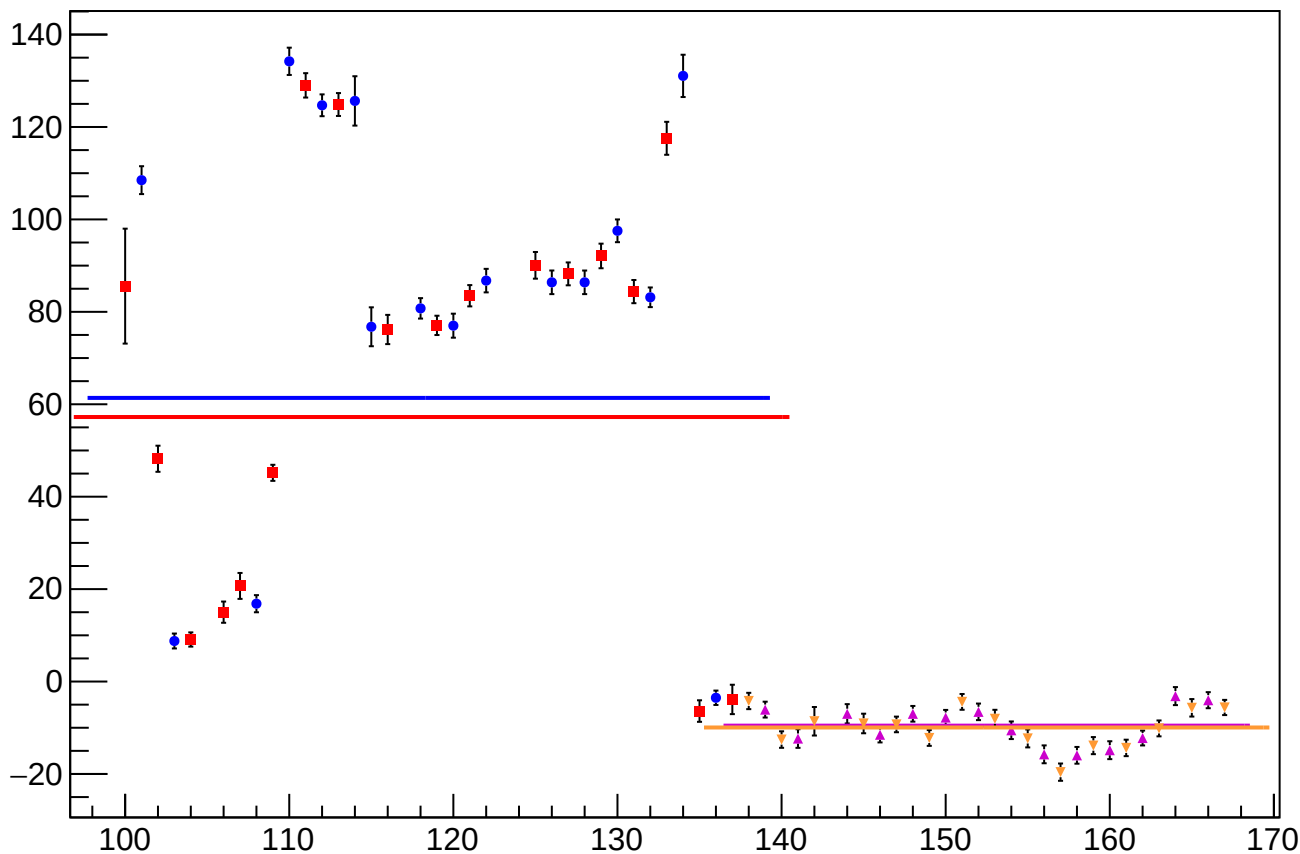
Left In: -1.264 ± 0.346 χ^2/NDF : 79.0/13

+ sign -2.381 ± 0.286 χ^2/NDF : 439.6/30

All: -2.414 ± 0.204 χ^2/NDF : 871.1/62

- sign -2.448 ± 0.290 χ^2/NDF : 431.5/31

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377 $\pm$ 0.594 χ^2 /NDF: 6066.8/15

Left Out: -9.943 $\pm$ 0.476 χ^2 /NDF: 77.3/14

Right Out: 57.240 $\pm$ 0.580 χ^2 /NDF: 5267.5/17

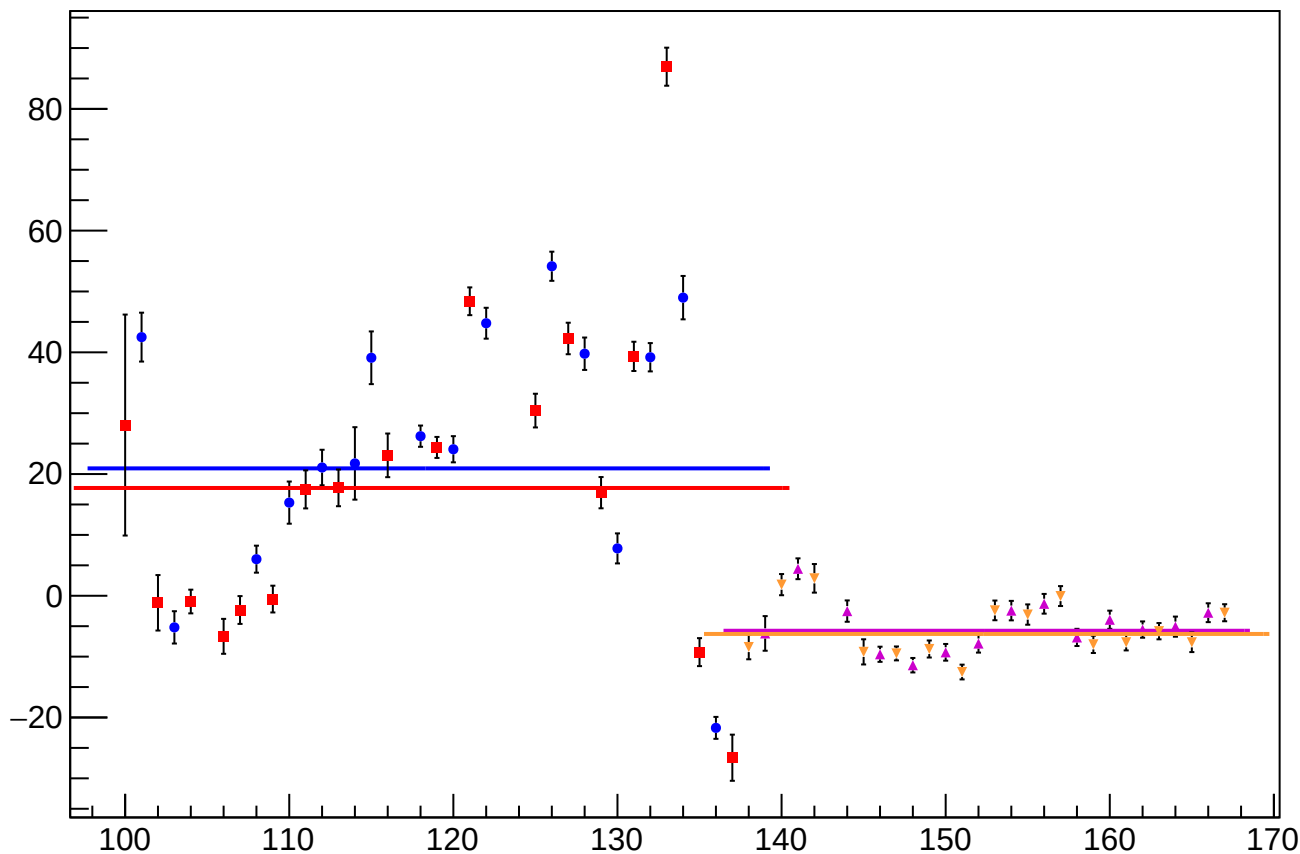
Left In: -9.543 $\pm$ 0.482 χ^2 /NDF: 69.3/13

+ sign 17.948 $\pm$ 0.372 χ^2 /NDF: 14913.4/30

All: 17.850 $\pm$ 0.263 χ^2 /NDF: 28084.3/62

- sign 17.752 $\pm$ 0.371 χ^2 /NDF: 13170.8/31

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931 $\pm$ 0.640 χ^2 /NDF: 1245.4/15

Left Out: -6.275 $\pm$ 0.390 χ^2 /NDF: 110.8/14

Right Out: 17.711 $\pm$ 0.618 χ^2 /NDF: 1481.9/17

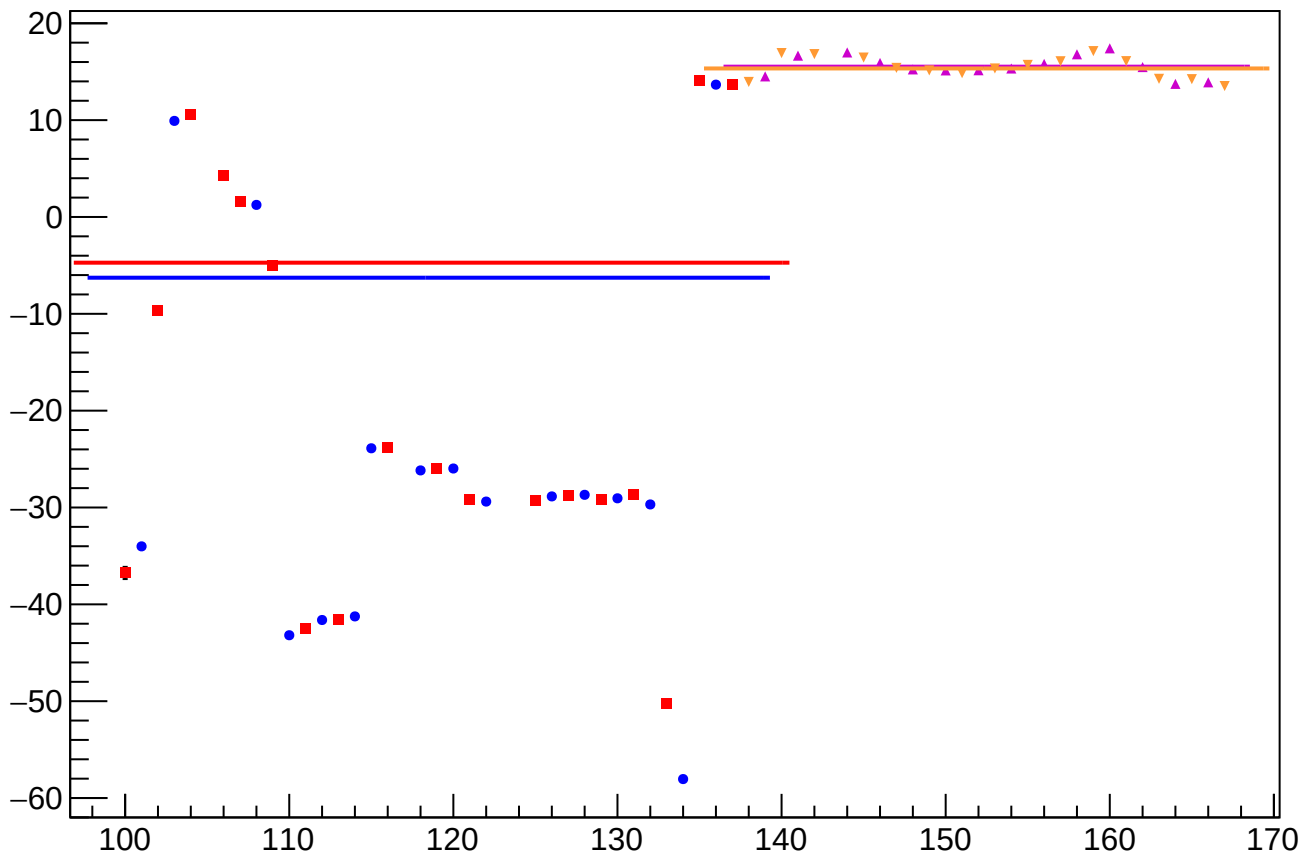
Left In: -5.750 $\pm$ 0.402 χ^2 /NDF: 97.5/13

+ sign 1.095 $\pm$ 0.333 χ^2 /NDF: 2673.2/30

All: 1.159 $\pm$ 0.237 χ^2 /NDF: 5265.0/62

- sign 1.226 $\pm$ 0.337 χ^2 /NDF: 2591.7/31

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271 $\pm$ 0.033 χ^2 /NDF: 410461.0/15

Left Out: 15.336 $\pm$ 0.018 χ^2 /NDF:3755.4/14

Right Out: -4.720 $\pm$ 0.034 χ^2 /NDF: 306663.6/17

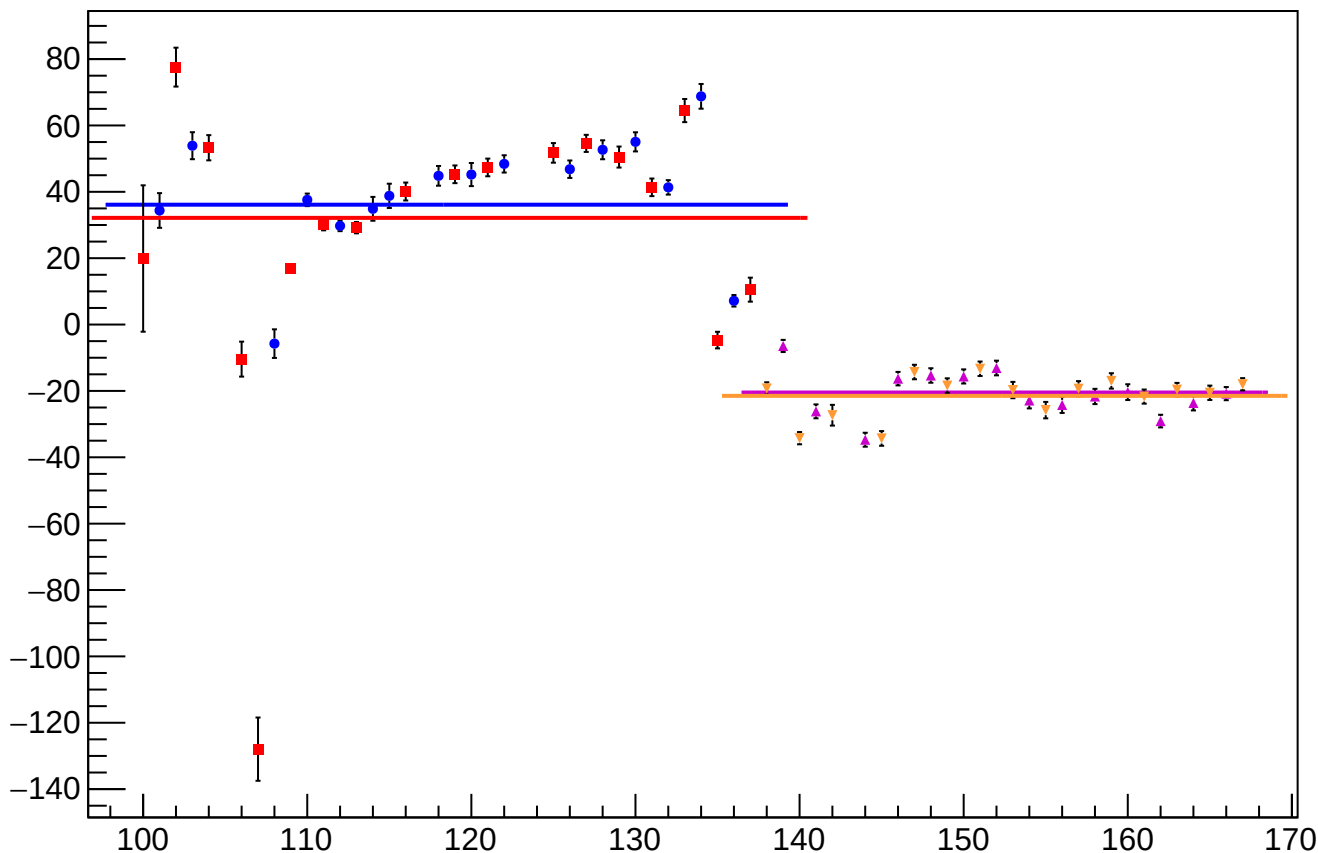
Left In: 15.521 $\pm$ 0.018 χ^2 /NDF:3134.6/13

+ sign 10.540 $\pm$ 0.016 χ^2 /NDF: 739512.1/30

All: 10.754 $\pm$ 0.011 χ^2 /NDF: 1329580.9/62

- sign 10.975 $\pm$ 0.016 χ^2 /NDF: 589694.0/31

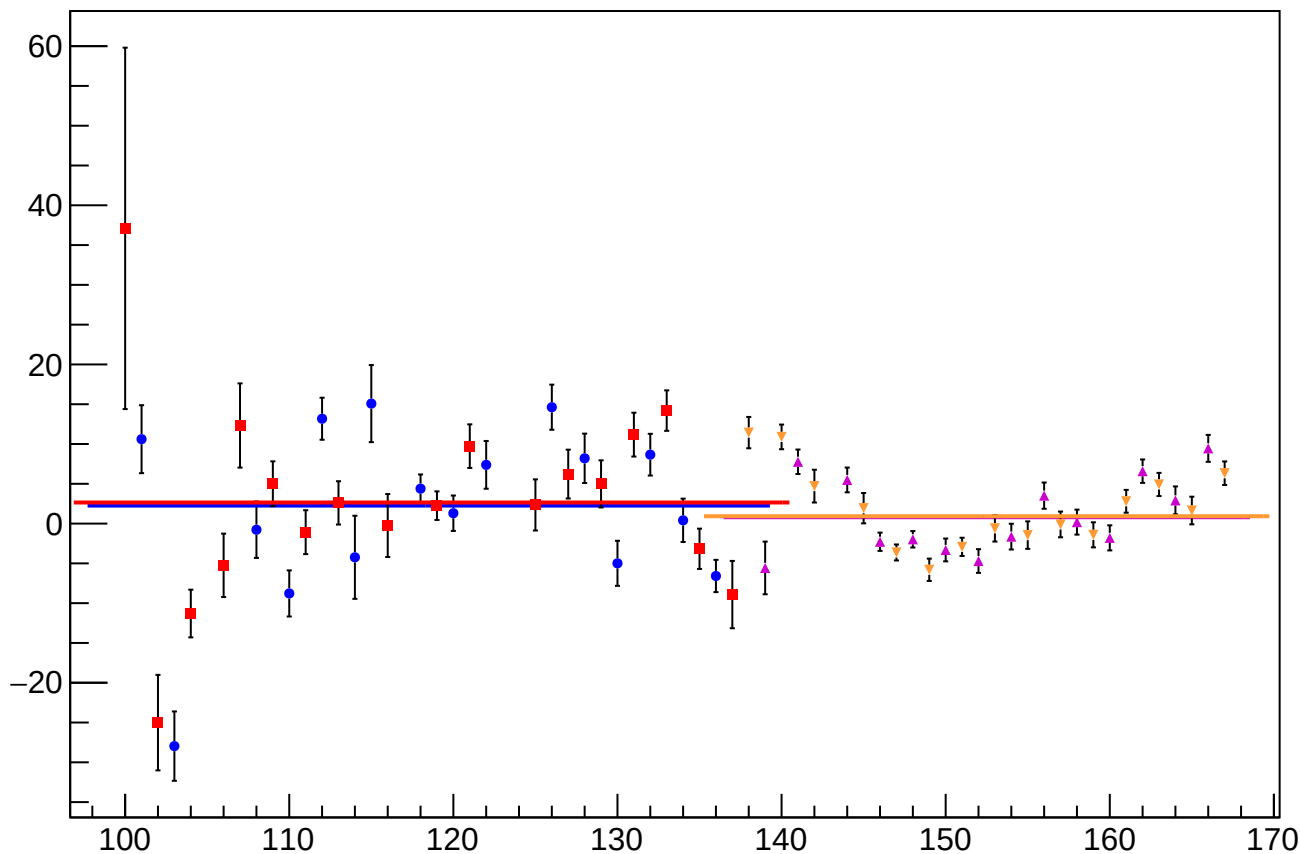
reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118+/-0.656 χ^2/NDF : 622.8/15
 Left Out: -21.485+/-0.560 χ^2/NDF : 125.5/14
 Right Out: 32.150+/-0.631 χ^2/NDF : 1114.6/17
 Left In: -20.483+/-0.571 χ^2/NDF : 163.6/13

+ sign 2.797+/-0.426 χ^2/NDF : 5202.7/30
 All: 3.023+/-0.300 χ^2/NDF : 10306.9/62
 - sign 3.246+/-0.423 χ^2/NDF : 5103.6/31

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265 ± 0.701 χ^2/NDF : 152.0/15

Left Out: 0.925 ± 0.387 χ^2/NDF : 156.5/14

Right Out: 2.651 ± 0.715 χ^2/NDF : 107.2/17

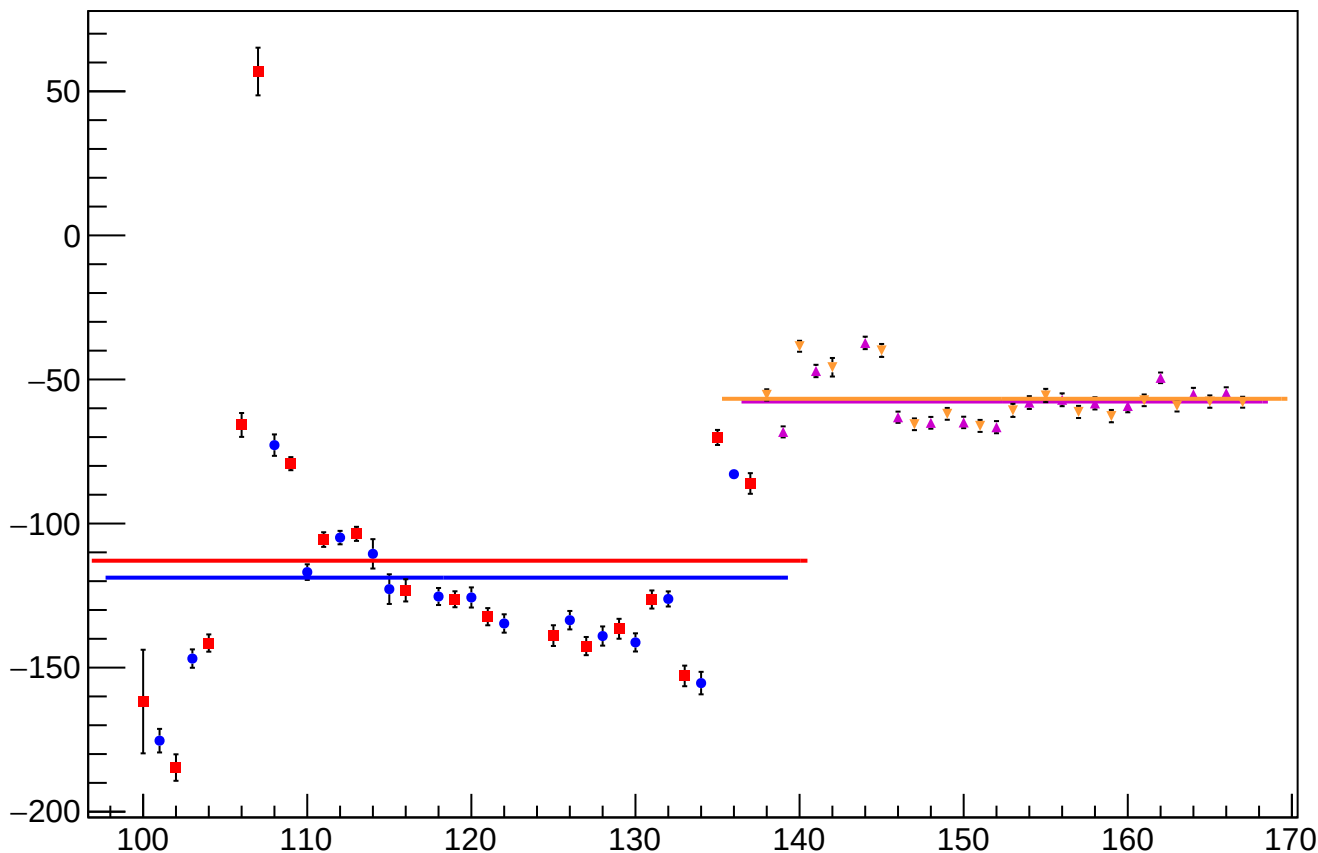
Left In: 0.802 ± 0.400 χ^2/NDF : 120.4/13

+ sign 1.238 ± 0.339 χ^2/NDF : 311.3/30

All: 1.240 ± 0.243 χ^2/NDF : 544.0/62

- sign 1.242 ± 0.349 χ^2/NDF : 232.8/31

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF : 1119.5/15

Left Out: -56.706+/-0.545 χ^2/NDF : 223.1/14

Right Out: -112.899+/-0.761 χ^2/NDF : 1862.9/17

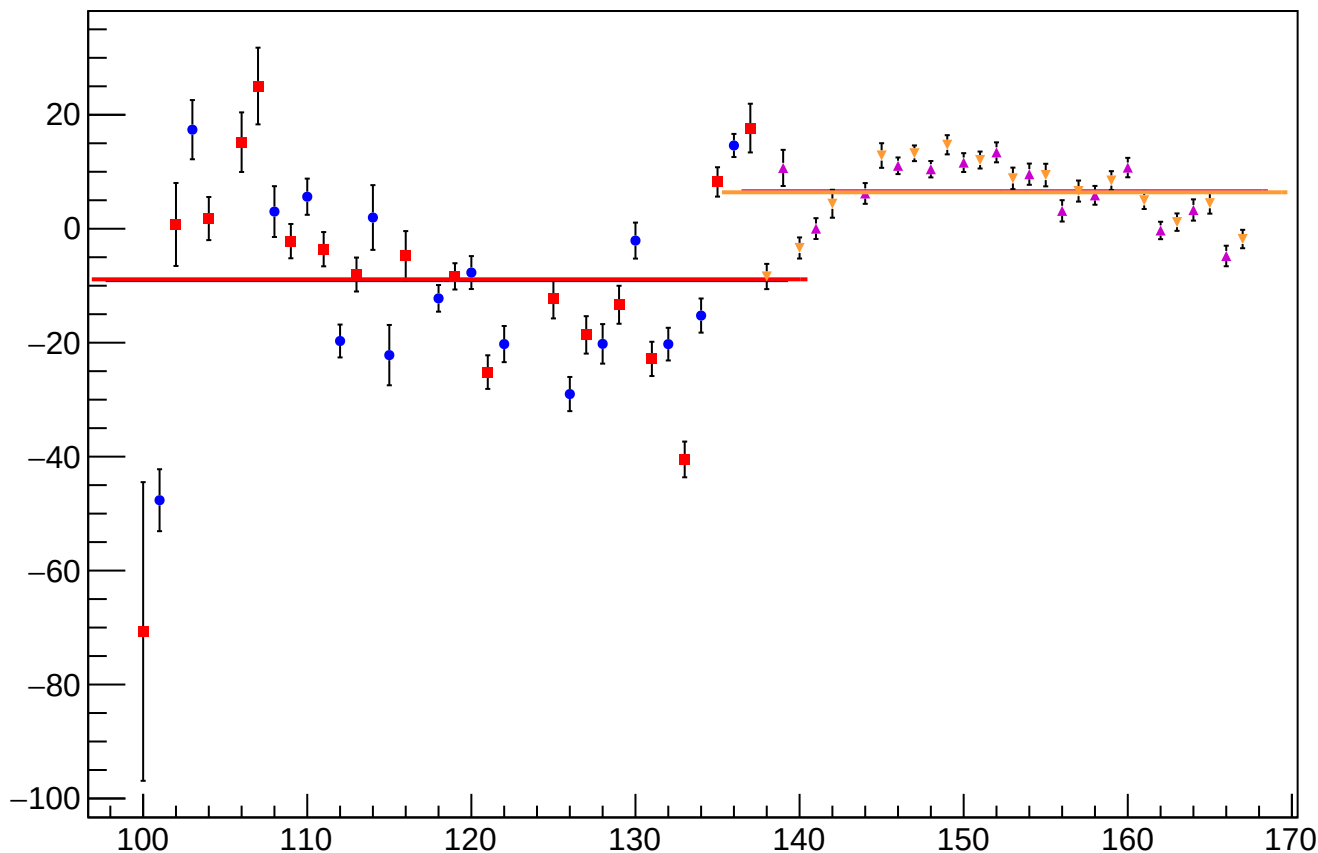
Left In: -57.657+/-0.554 χ^2/NDF : 219.1/13

+ sign -77.922+/-0.442 χ^2/NDF : 5770.1/30

All: -77.358+/-0.315 χ^2/NDF : 11301.2/62

- sign -76.779+/-0.448 χ^2/NDF : 5527.8/31

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: 6.398 ± 0.450 χ^2/NDF : 190.7/14

Right Out: -8.878 ± 0.810 χ^2/NDF : 318.7/17

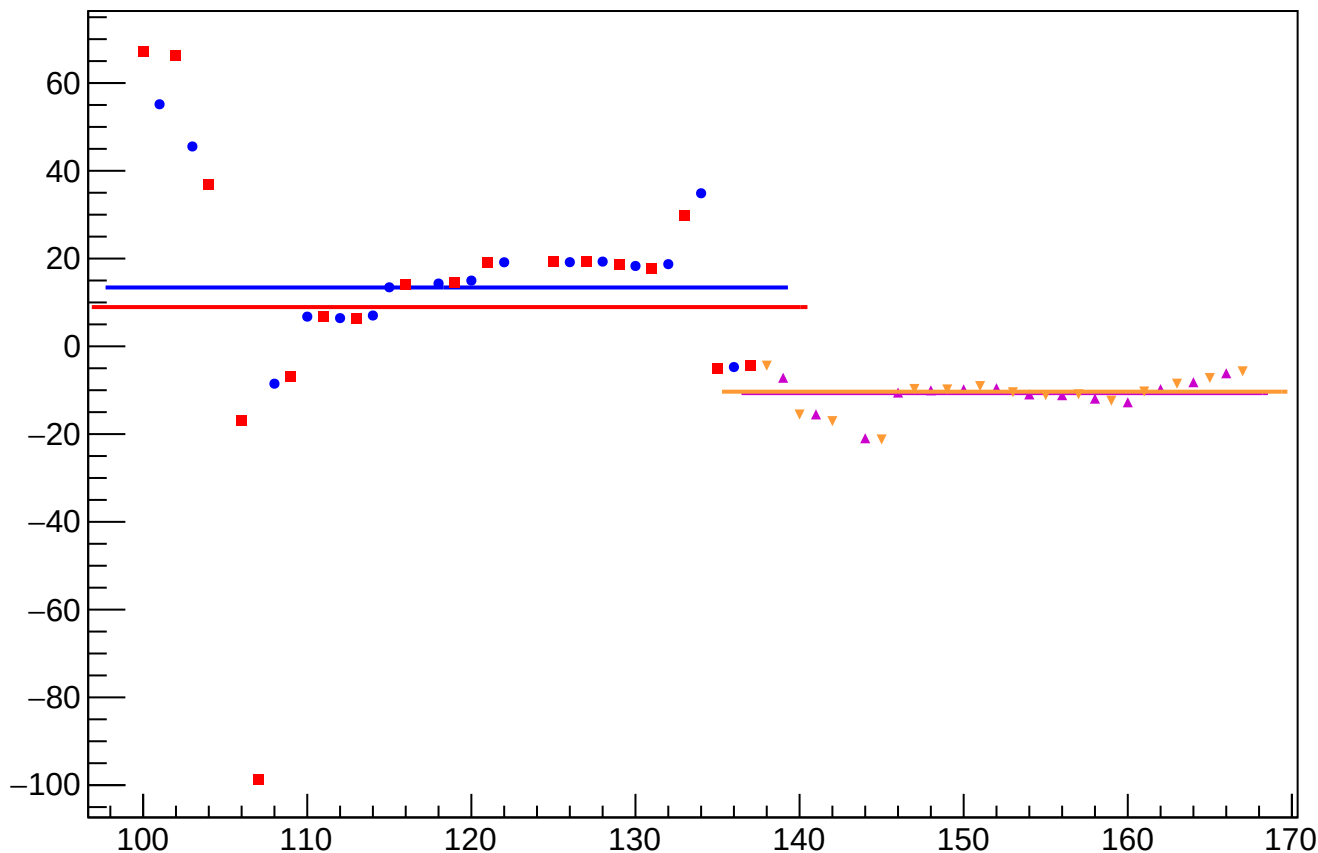
Left In: 6.582 ± 0.464 χ^2/NDF : 130.8/13

+ sign 2.663 ± 0.392 χ^2/NDF : 833.3/30

All: 2.715 ± 0.281 χ^2/NDF : 1557.1/62

- sign 2.770 ± 0.402 χ^2/NDF : 723.7/31

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412 $\pm$ 0.045 χ^2 /NDF: 183707.4/15

Left Out: -10.337 $\pm$ 0.020 χ^2 /NDF: 35319.5/14

Right Out: 8.943 $\pm$ 0.047 χ^2 /NDF: 291126.5/17

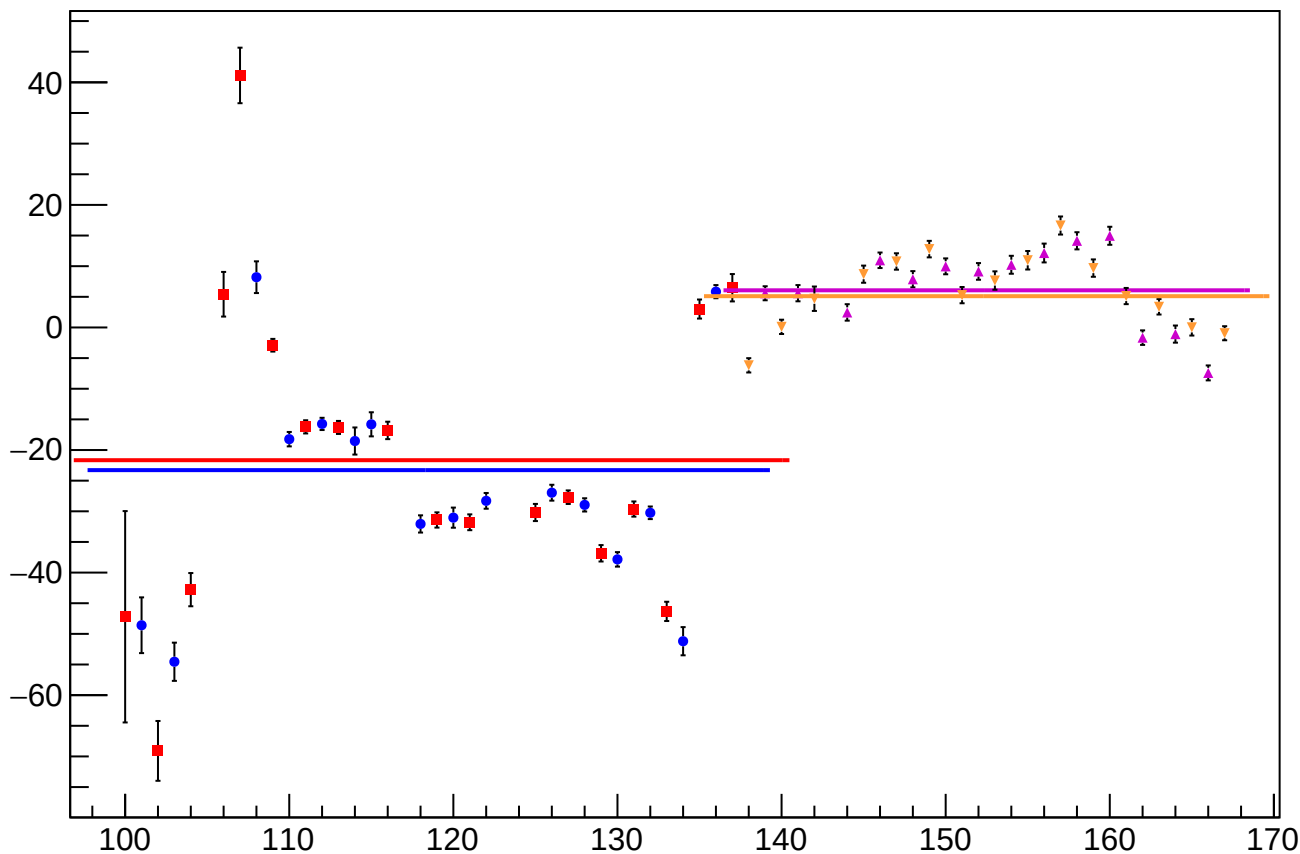
Left In: -10.666 $\pm$ 0.021 χ^2 /NDF: 22622.2/13

+ sign -6.310 $\pm$ 0.019 χ^2 /NDF: 447443.2/30

All: -6.886 $\pm$ 0.013 χ^2 /NDF: 906563.2/62

- sign -7.489 $\pm$ 0.019 χ^2 /NDF: 457164.5/31

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: 5.106 ± 0.348 χ^2/NDF : 302.8/14

Right Out: -21.660 ± 0.347 χ^2/NDF : 1813.6/17

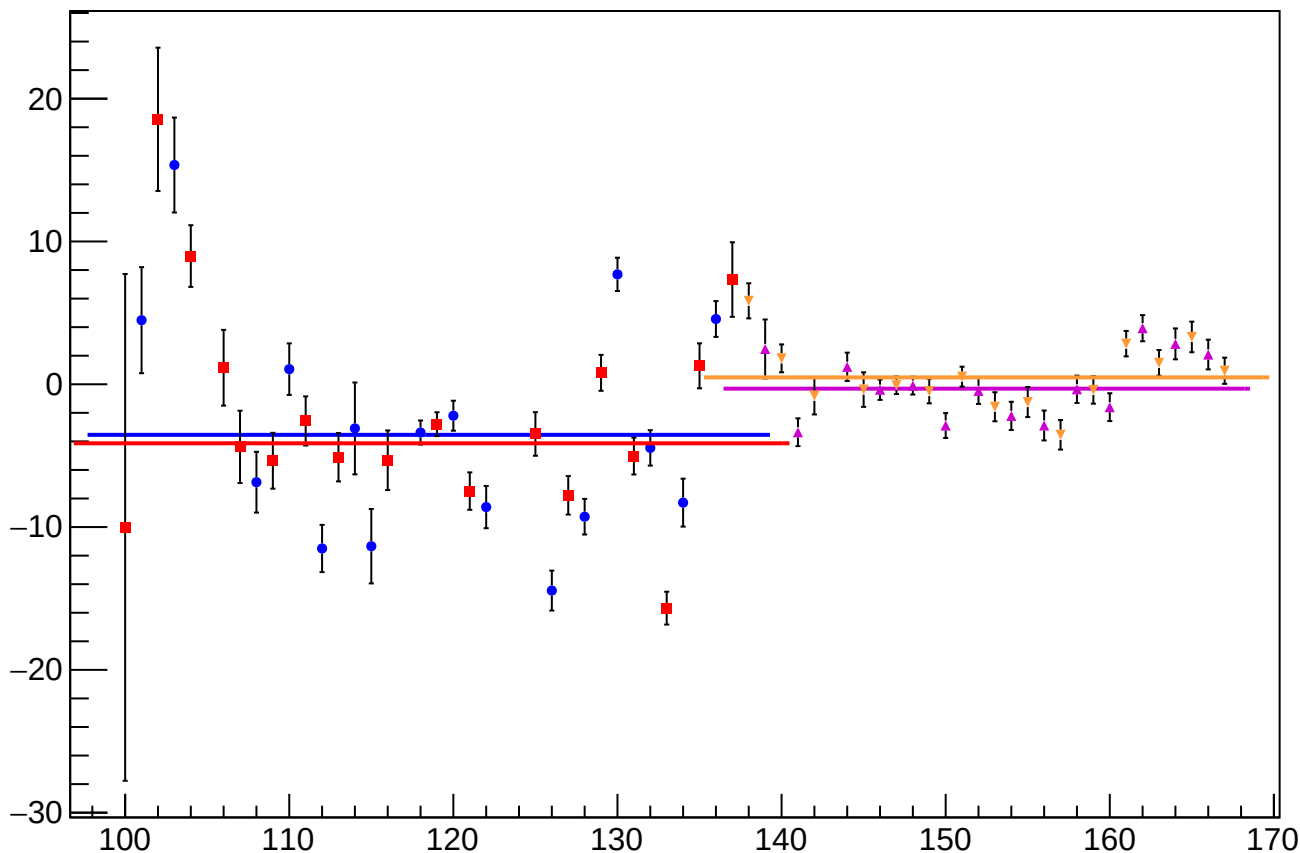
Left In: 6.065 ± 0.354 χ^2/NDF : 322.9/13

+ sign -8.974 ± 0.247 χ^2/NDF : 5178.5/30

All: -8.520 ± 0.175 χ^2/NDF : 10447.0/62

- sign -8.061 ± 0.248 χ^2/NDF : 5261.6/31

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: 0.482 ± 0.239 χ^2/NDF : 62.7/14

Right Out: -4.132 ± 0.371 χ^2/NDF : 227.4/17

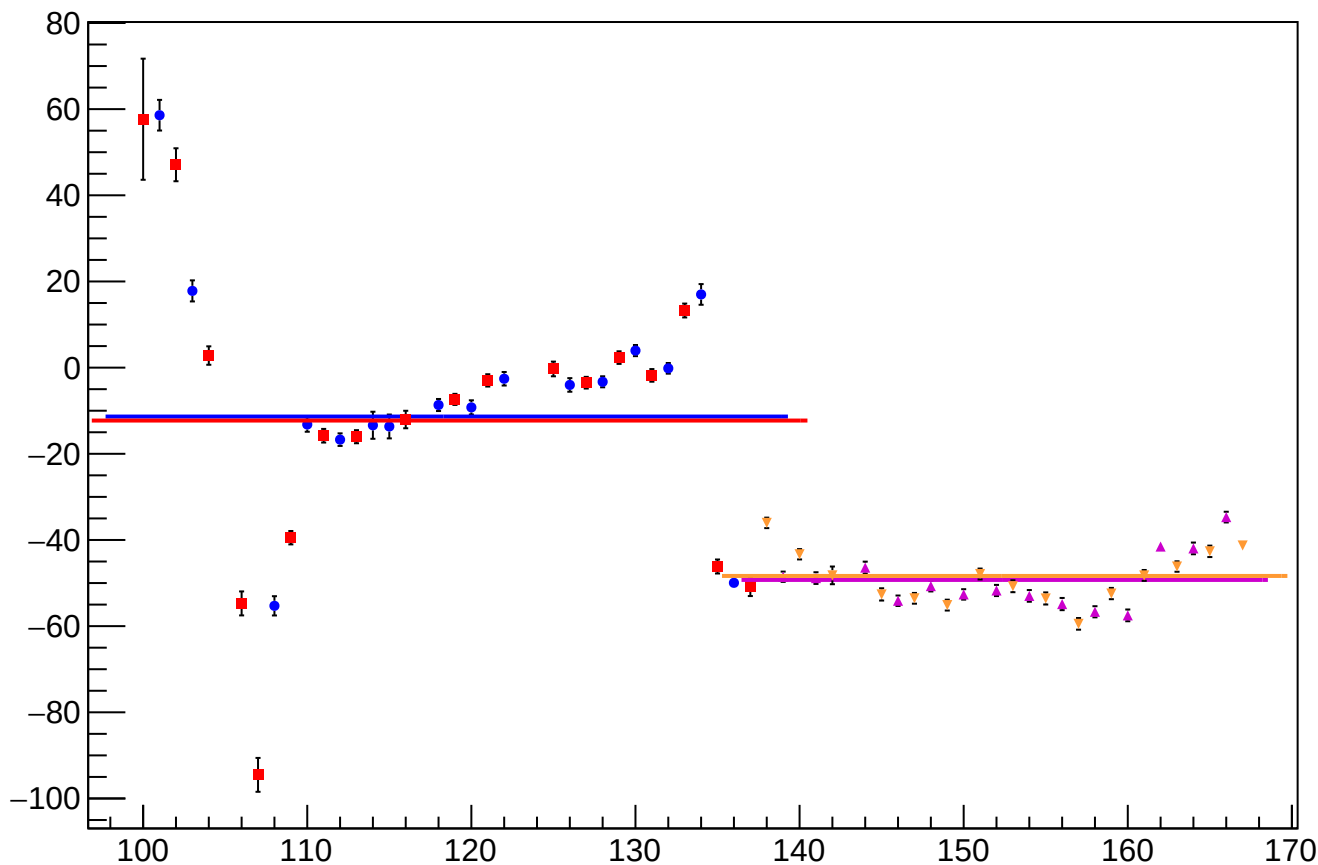
Left In: -0.307 ± 0.247 χ^2/NDF : 69.6/13

+ sign -0.739 ± 0.200 χ^2/NDF : 465.2/30

All: -1.100 ± 0.143 χ^2/NDF : 842.7/62

- sign -1.482 ± 0.206 χ^2/NDF : 370.9/31

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355 ± 0.406 χ^2/NDF : 2661.6/15

Left Out: -48.349 ± 0.338 χ^2/NDF : 327.2/14

Right Out: -12.281 ± 0.413 χ^2/NDF : 2590.4/17

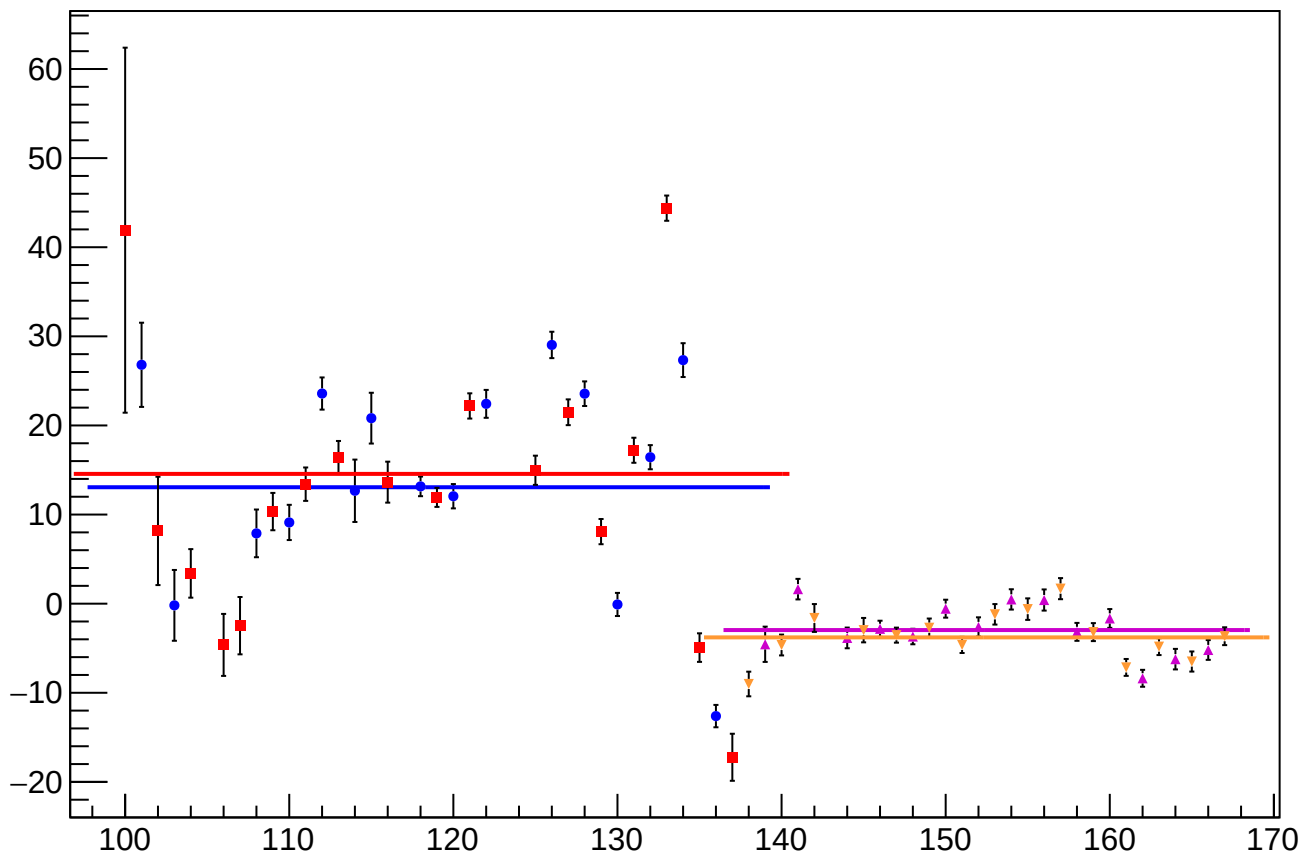
Left In: -49.275 ± 0.343 χ^2/NDF : 338.1/13

+ sign -33.187 ± 0.260 χ^2/NDF : 7896.5/30

All: -33.682 ± 0.185 χ^2/NDF : 15581.2/62

- sign -34.192 ± 0.264 χ^2/NDF : 7677.3/31

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: -3.784 $\pm$ 0.278 χ^2 /NDF: 72.5/14

Right Out: 14.563 $\pm$ 0.423 χ^2 /NDF: 903.1/17

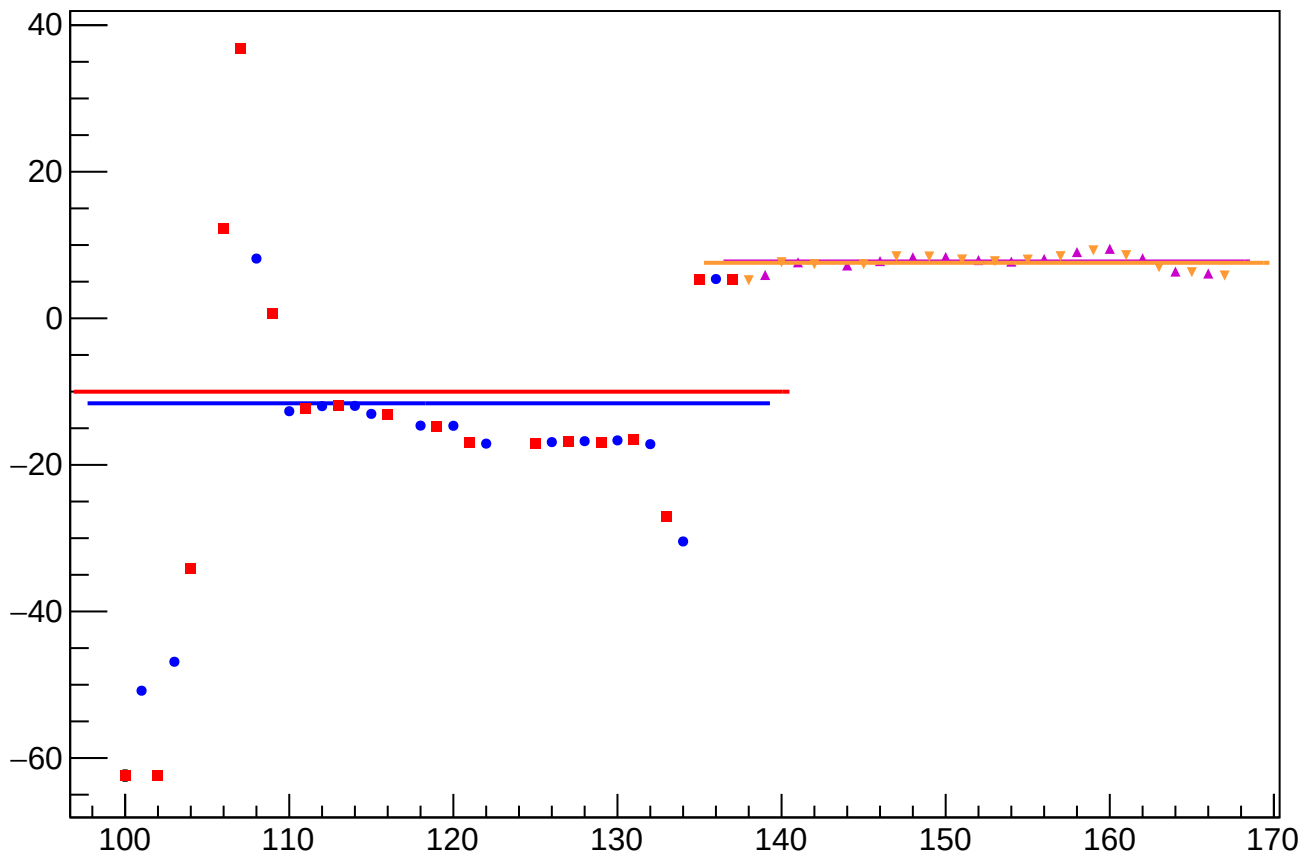
Left In: -2.961 $\pm$ 0.287 χ^2 /NDF: 86.9/13

+ sign 1.446 $\pm$ 0.231 χ^2 /NDF: 2074.3/30

All: 1.989 $\pm$ 0.165 χ^2 /NDF: 4253.9/62

- sign 2.560 $\pm$ 0.237 χ^2 /NDF: 2168.3/31

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -11.596 ± 0.026 $\chi^2/\text{NDF}: 360523.2/15$

Left Out: 7.577 ± 0.013 $\chi^2/\text{NDF}: 8078.3/14$

Right Out: -10.012 ± 0.027 $\chi^2/\text{NDF}: 396286.9/17$

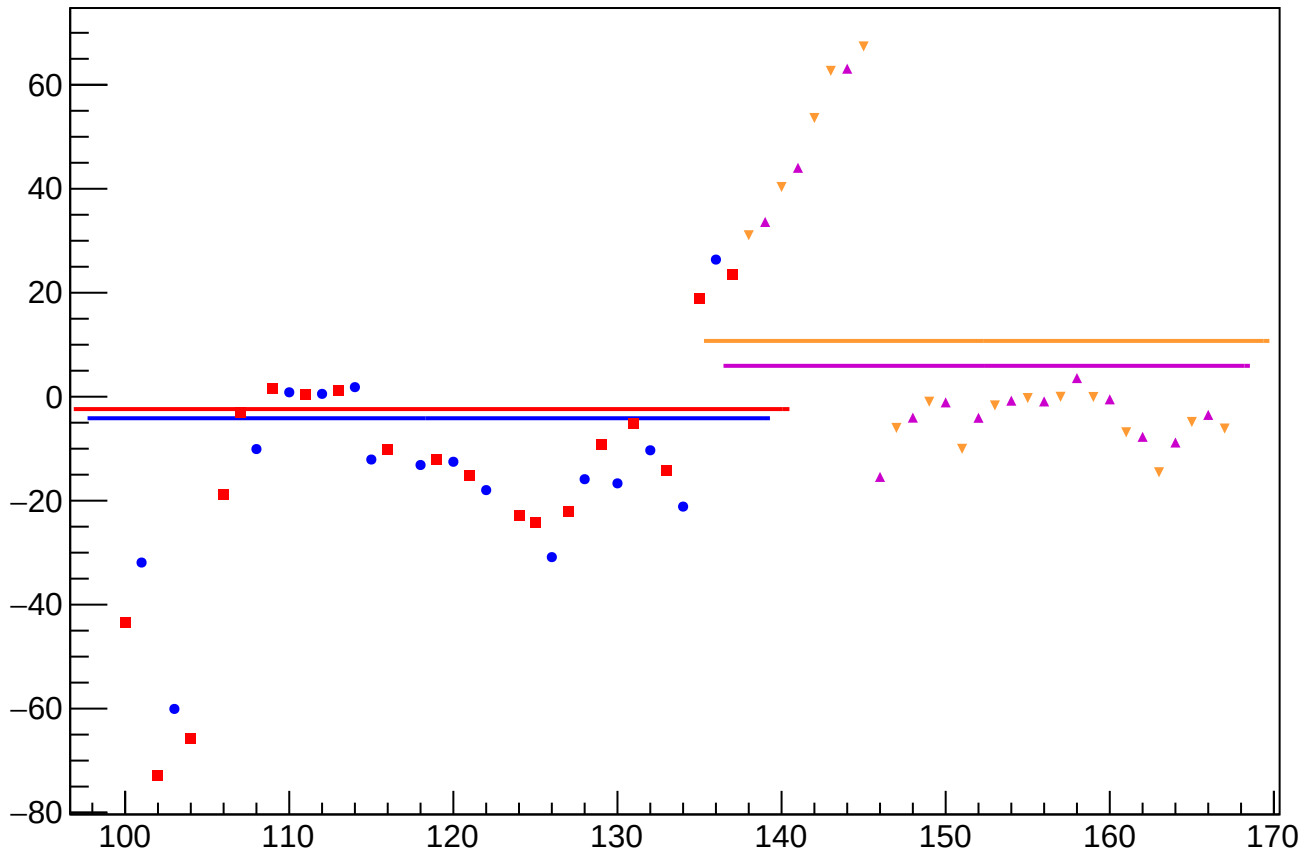
Left In: 7.758 ± 0.013 $\chi^2/\text{NDF}: 6311.0/13$

+ sign 3.961 ± 0.011 $\chi^2/\text{NDF}: 799485.0/30$

All: 4.245 ± 0.008 $\chi^2/\text{NDF}: 1546666.2/62$

- sign 4.541 ± 0.012 $\chi^2/\text{NDF}: 745918.4/31$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145 ± 0.055 χ^2/NDF : 75262.7/15

Left Out: 10.731 ± 0.064 χ^2/NDF : 145218.8/15

Right Out: -2.382 ± 0.046 χ^2/NDF : 80749.3/18

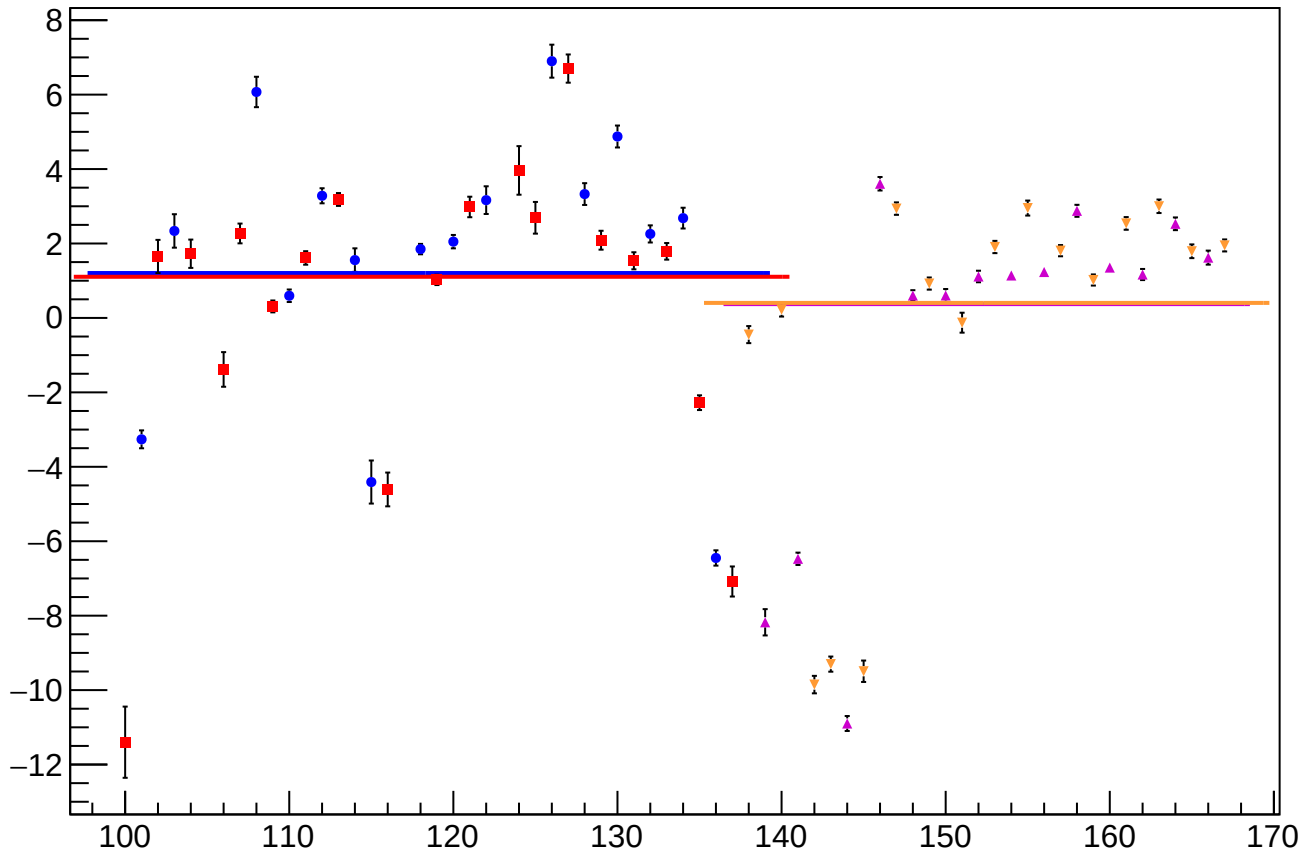
Left In: 5.941 ± 0.057 χ^2/NDF : 116696.6/13

+ sign 2.183 ± 0.041 χ^2/NDF : 251967.3/31

All: 1.457 ± 0.027 χ^2/NDF : 462836.1/64

- sign 0.914 ± 0.036 χ^2/NDF : 210332.2/32

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: 0.404 $\pm$ 0.046 χ^2 /NDF: 6477.3/15

Right Out: 1.106 $\pm$ 0.057 χ^2 /NDF: 1587.2/18

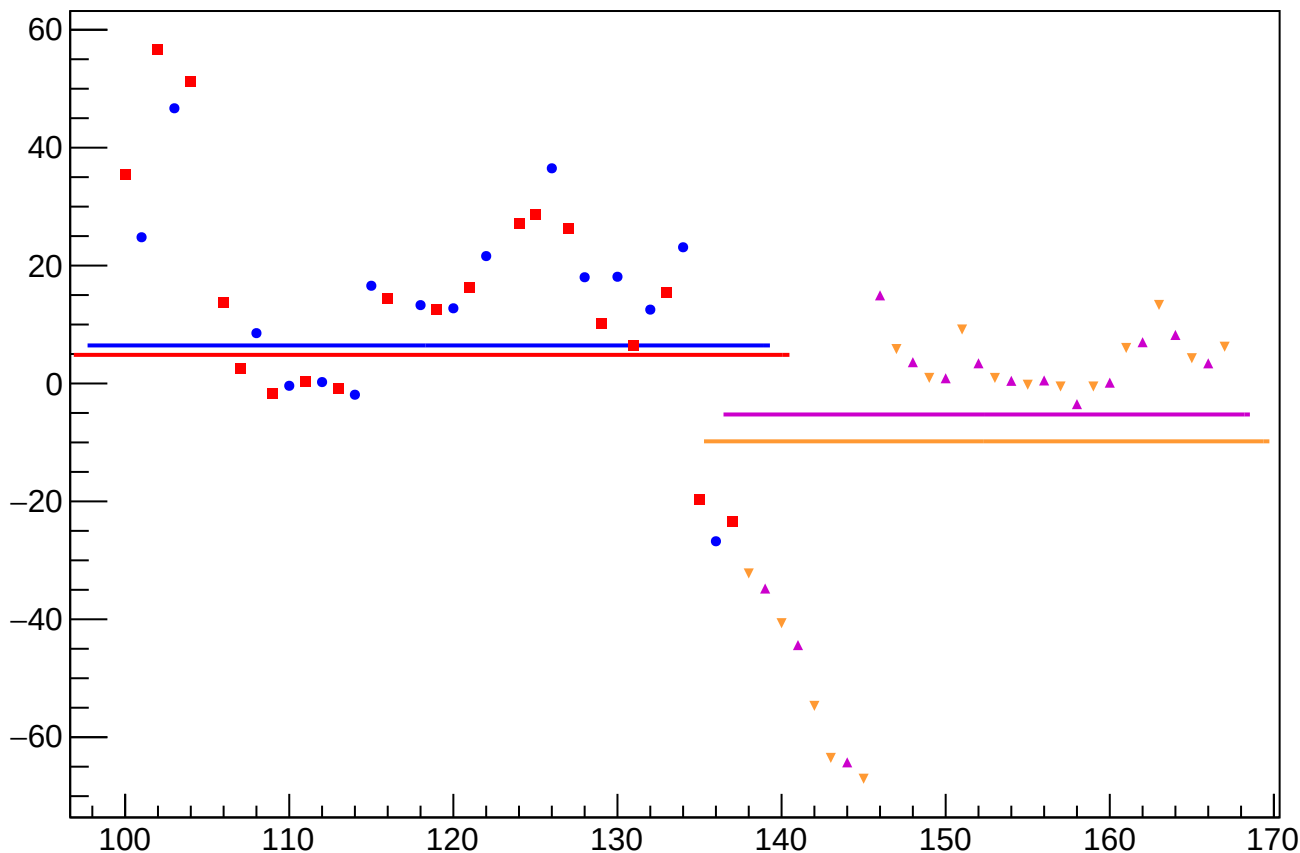
Left In: 0.371 $\pm$ 0.041 χ^2 /NDF: 6425.9/13

+ sign 0.698 $\pm$ 0.037 χ^2 /NDF: 9173.3/31

All: 0.653 $\pm$ 0.025 χ^2 /NDF: 17299.0/64

- sign 0.616 $\pm$ 0.033 χ^2 /NDF: 8122.9/32

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453 ± 0.065 χ^2/NDF : 70671.1/15

Left Out: -9.813 ± 0.062 χ^2/NDF : 142296.5/15

Right Out: 4.854 ± 0.059 χ^2/NDF : 75267.0/18

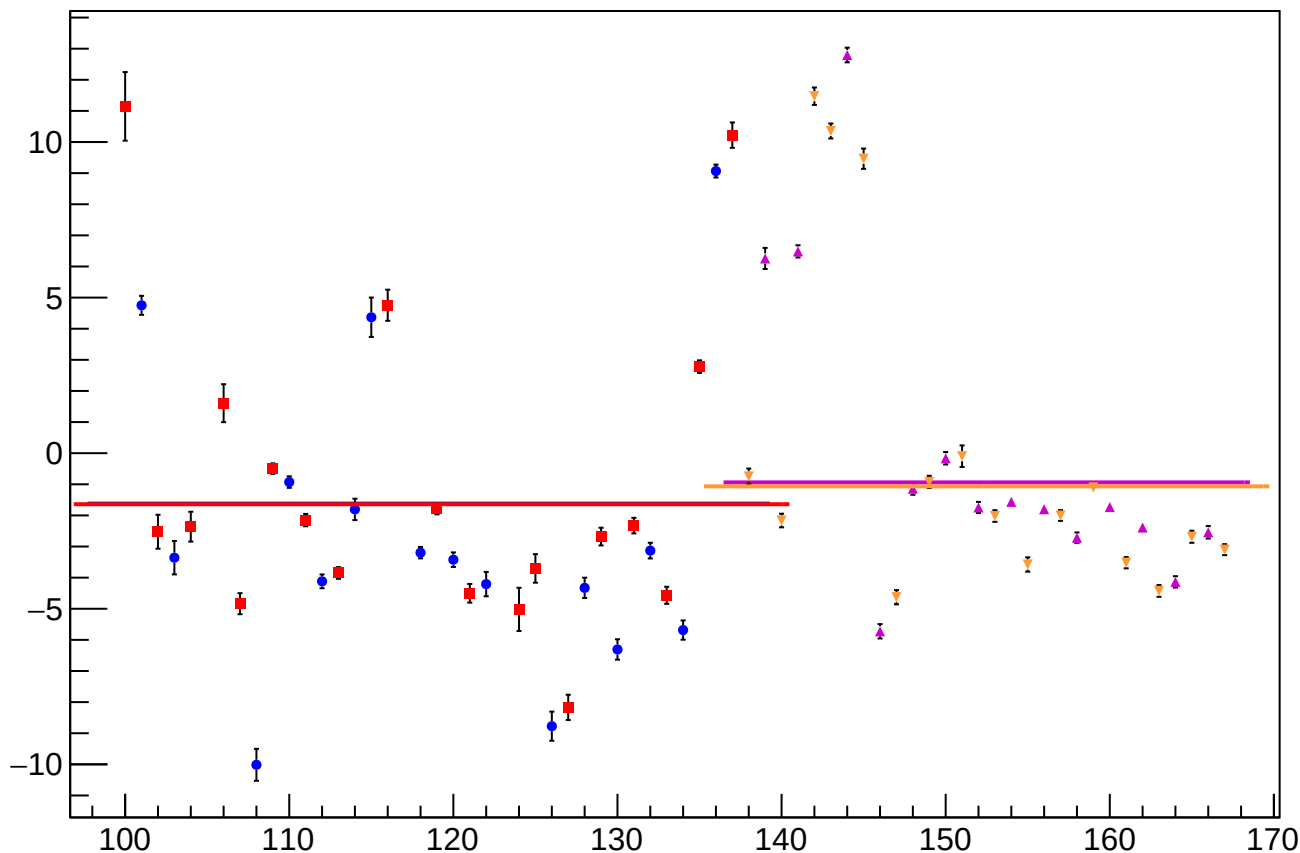
Left In: -5.257 ± 0.055 χ^2/NDF : 115086.1/13

+ sign -2.097 ± 0.045 χ^2/NDF : 245671.1/31

All: -1.268 ± 0.030 χ^2/NDF : 452412.7/64

- sign -0.606 ± 0.040 χ^2/NDF : 206128.5/32

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622 ± 0.070 χ^2/NDF : 4525.3/15

Left Out: -1.065 ± 0.052 χ^2/NDF : 6466.9/15

Right Out: -1.640 ± 0.065 χ^2/NDF : 2462.1/18

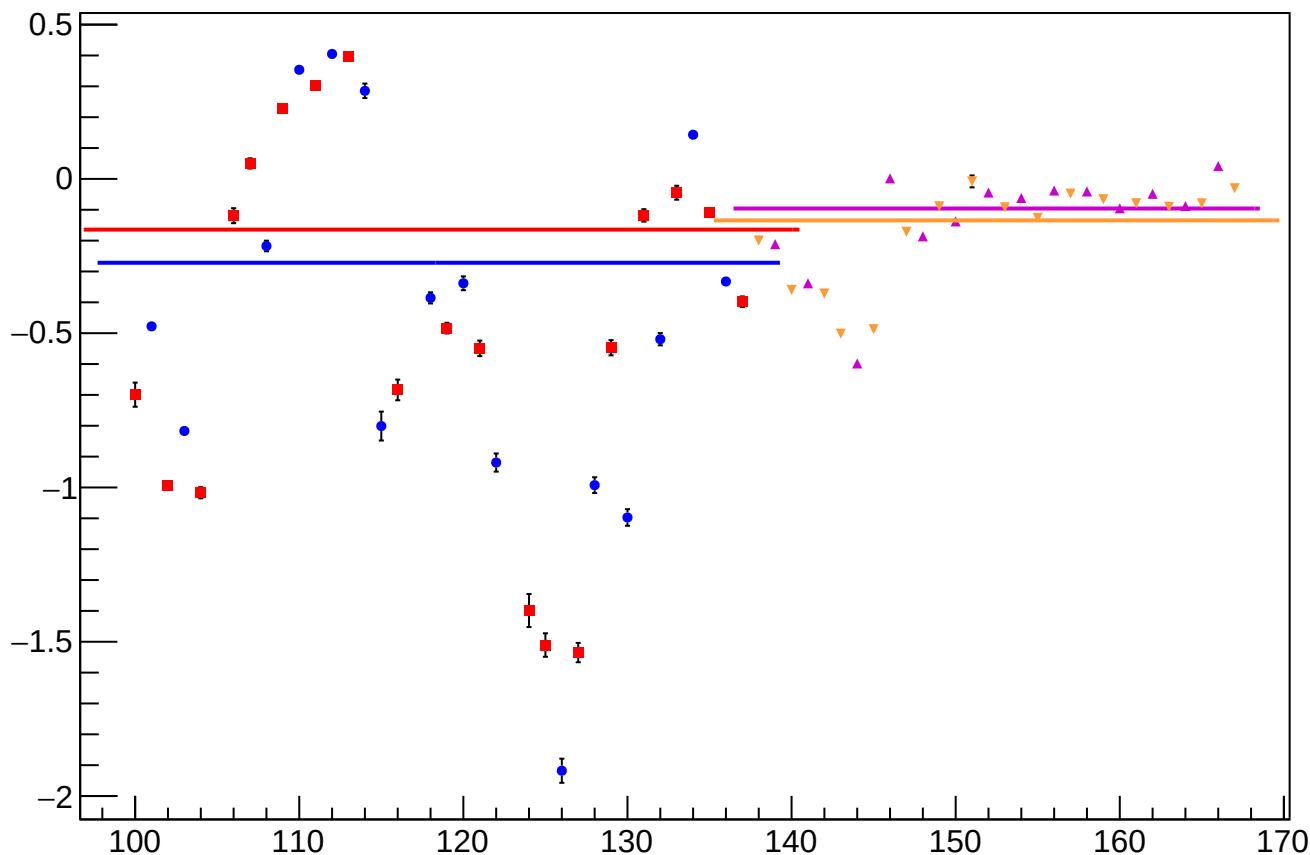
Left In: -0.939 ± 0.046 χ^2/NDF : 6426.6/13

+ sign -1.266 ± 0.042 χ^2/NDF : 11033.0/31

All: -1.215 ± 0.028 χ^2/NDF : 20002.9/64

- sign -1.174 ± 0.037 χ^2/NDF : 8967.2/32

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: -0.135 ± 0.002 $\chi^2/\text{NDF}: 3124.5/15$

Right Out: -0.164 ± 0.004 $\chi^2/\text{NDF}: 15497.0/18$

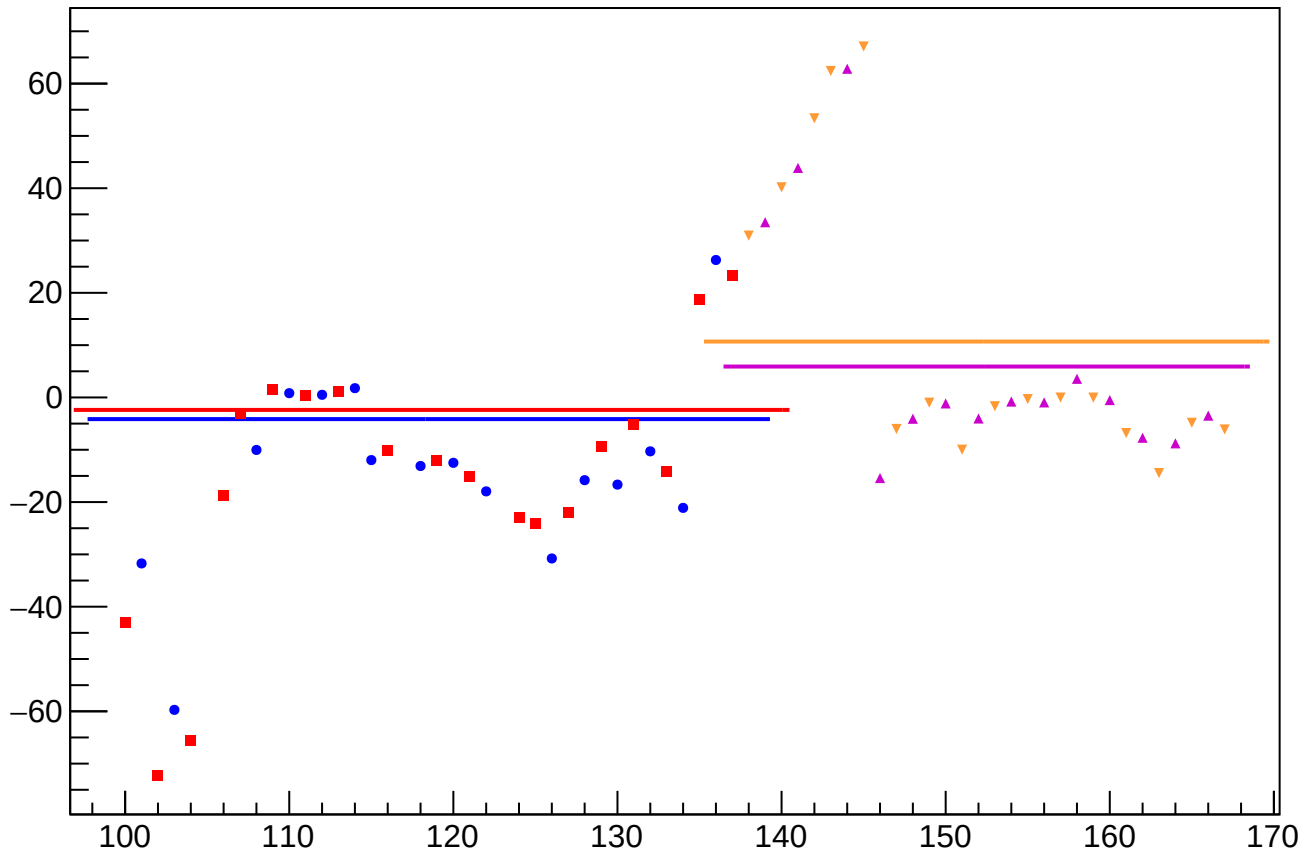
Left In: -0.096 ± 0.002 $\chi^2/\text{NDF}: 3234.0/13$

+ sign -0.167 ± 0.002 $\chi^2/\text{NDF}: 16009.1/31$

All: -0.135 ± 0.001 $\chi^2/\text{NDF}: 35440.3/64$

- sign -0.110 ± 0.002 $\chi^2/\text{NDF}: 18986.5/32$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139 ± 0.054 χ^2/NDF : 75240.1/15

Left Out: 10.687 ± 0.063 χ^2/NDF : 144957.5/15

Right Out: -2.380 ± 0.046 χ^2/NDF : 80668.5/18

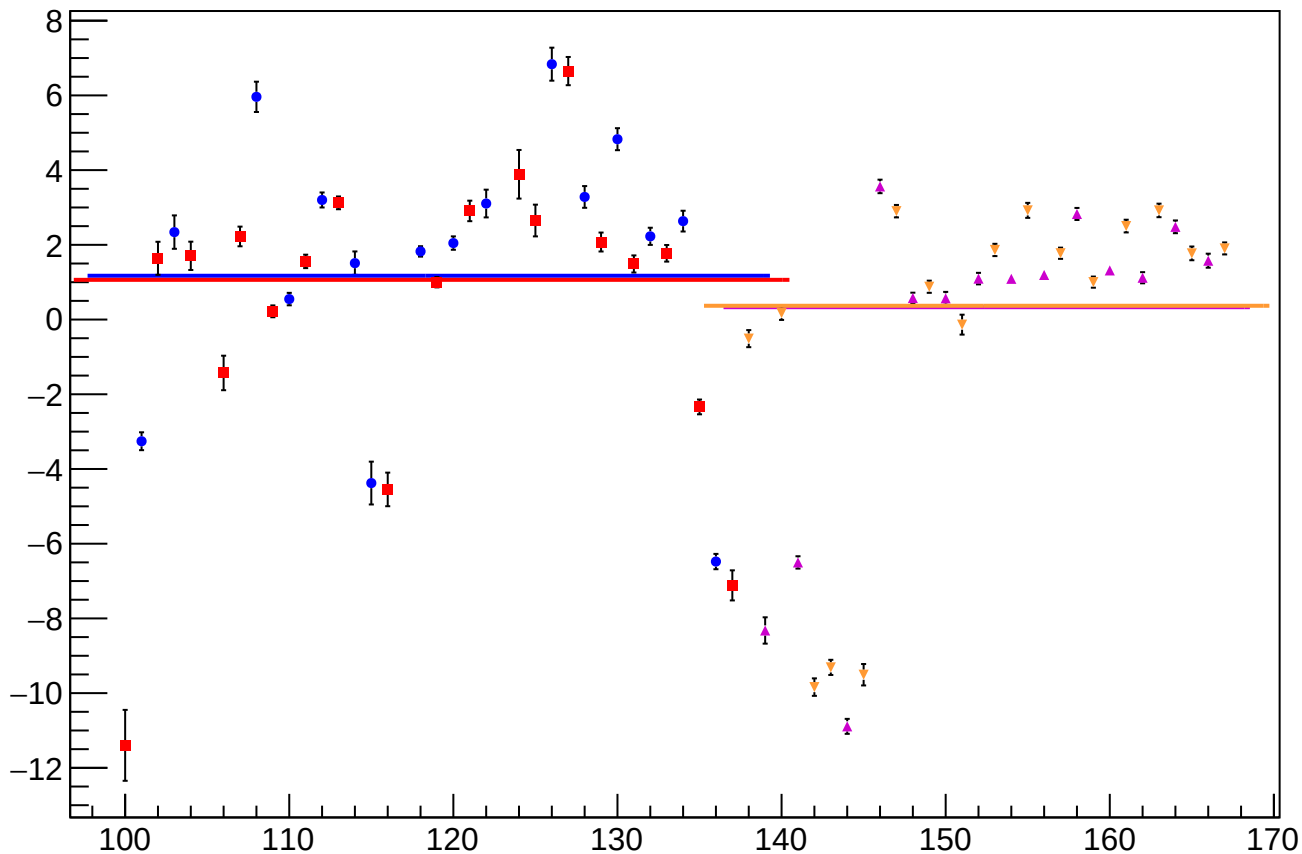
Left In: 5.909 ± 0.057 χ^2/NDF : 116579.5/13

+ sign 2.146 ± 0.041 χ^2/NDF : 251749.3/31

All: 1.426 ± 0.027 χ^2/NDF : 462417.3/64

- sign 0.887 ± 0.036 χ^2/NDF : 210134.8/32

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172 $\pm$ 0.060 χ^2 /NDF: 2584.5/15

Left Out: 0.369 $\pm$ 0.046 χ^2 /NDF: 6480.4/15

Right Out: 1.063 $\pm$ 0.057 χ^2 /NDF: 1596.5/18

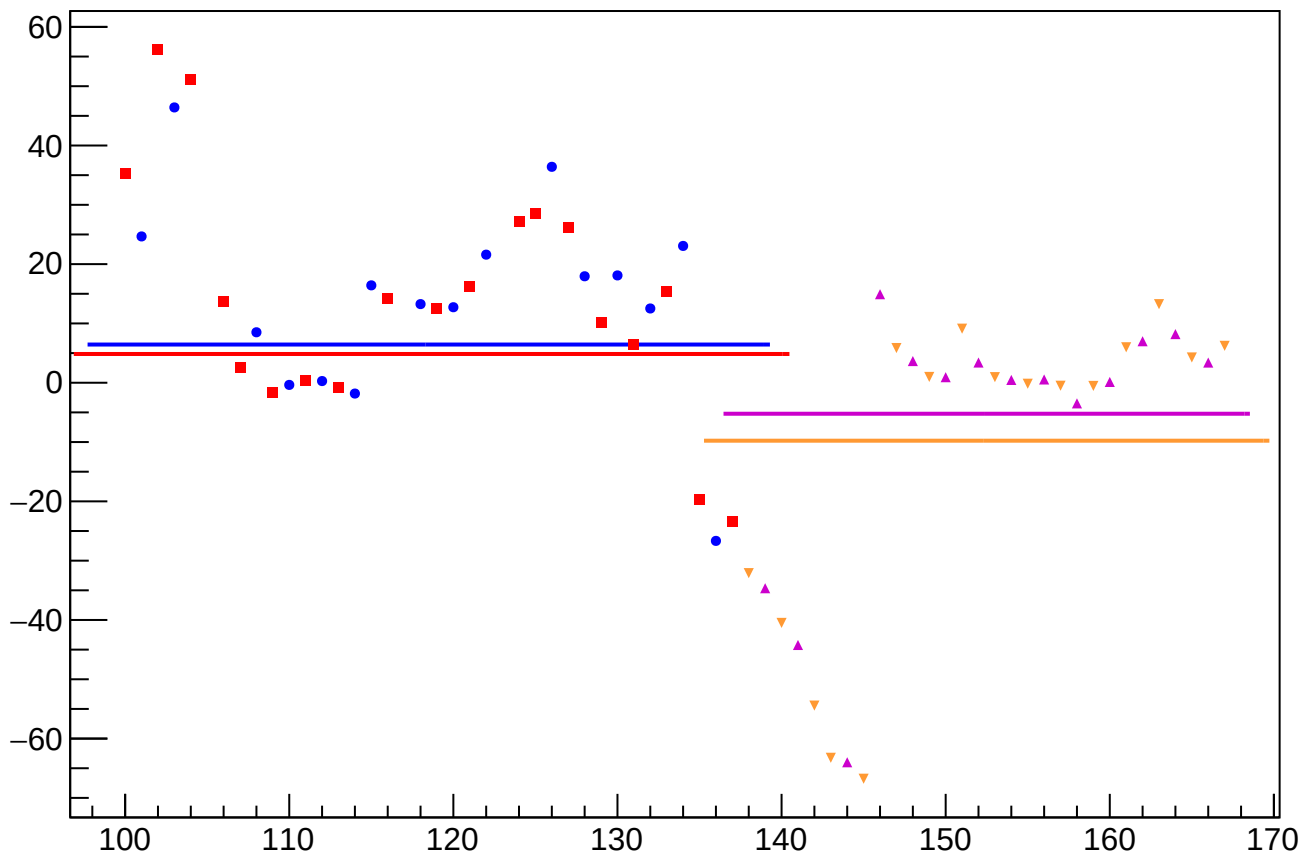
Left In: 0.331 $\pm$ 0.040 χ^2 /NDF: 6443.3/13

+ sign 0.664 $\pm$ 0.036 χ^2 /NDF: 9177.8/31

All: 0.616 $\pm$ 0.024 χ^2 /NDF: 17330.8/64

- sign 0.576 $\pm$ 0.033 χ^2 /NDF: 8149.8/32

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442 ± 0.065 χ^2/NDF : 70630.3/15

Left Out: -9.771 ± 0.062 χ^2/NDF : 142042.5/15

Right Out: 4.848 ± 0.059 χ^2/NDF : 75159.9/18

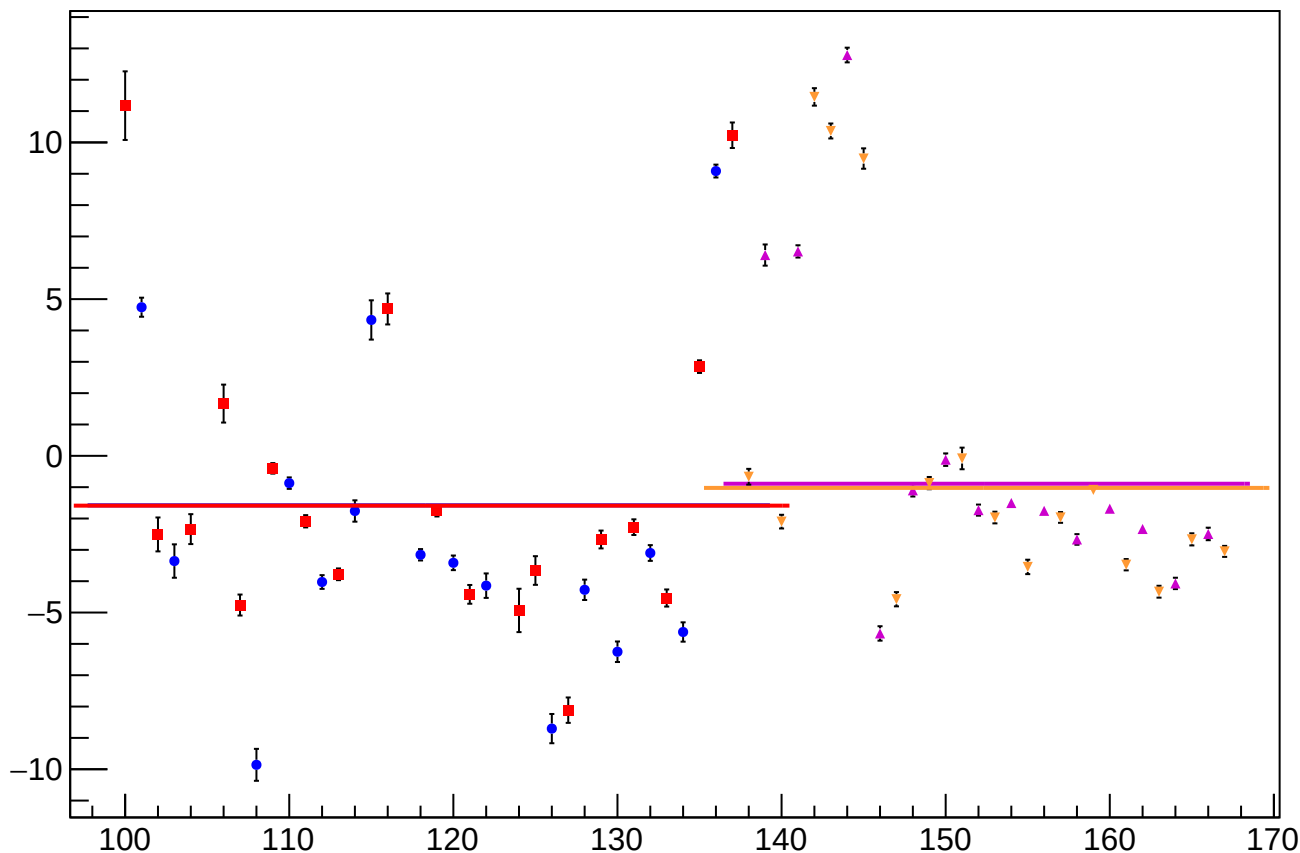
Left In: -5.227 ± 0.054 χ^2/NDF : 114967.2/13

+ sign -2.061 ± 0.045 χ^2/NDF : 245452.2/31

All: -1.236 ± 0.030 χ^2/NDF : 451987.8/64

- sign -0.576 ± 0.040 χ^2/NDF : 205922.6/32

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580 ± 0.069 χ^2/NDF : 4524.3/15

Left Out: -1.023 ± 0.052 χ^2/NDF : 6464.0/15

Right Out: -1.589 ± 0.064 χ^2/NDF : 2472.2/18

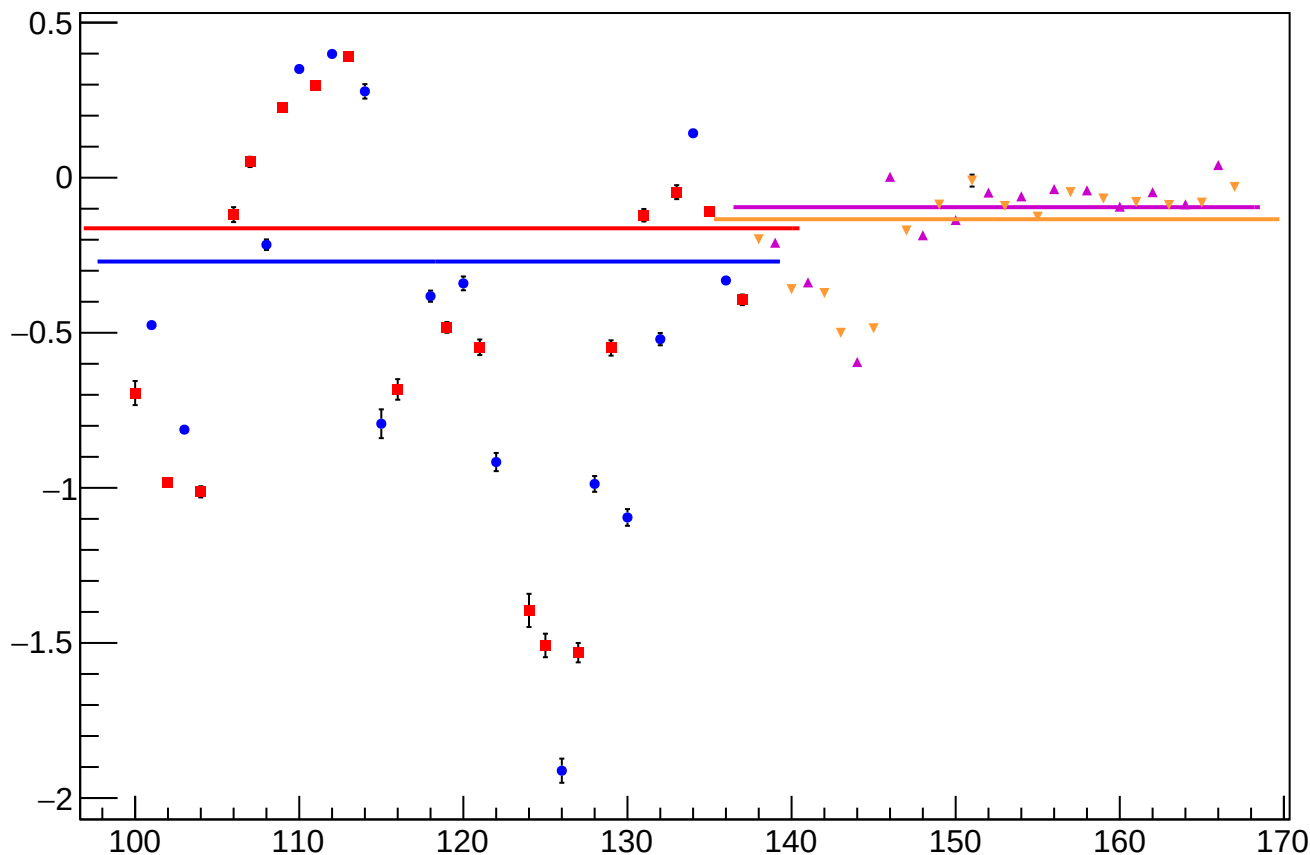
Left In: -0.890 ± 0.046 χ^2/NDF : 6442.0/13

+ sign -1.224 ± 0.042 χ^2/NDF : 11029.6/31

All: -1.170 ± 0.028 χ^2/NDF : 20025.3/64

- sign -1.126 ± 0.037 χ^2/NDF : 8992.7/32

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: -0.134 ± 0.002 $\chi^2/\text{NDF}: 3135.8/15$

Right Out: -0.163 ± 0.004 $\chi^2/\text{NDF}: 15510.0/18$

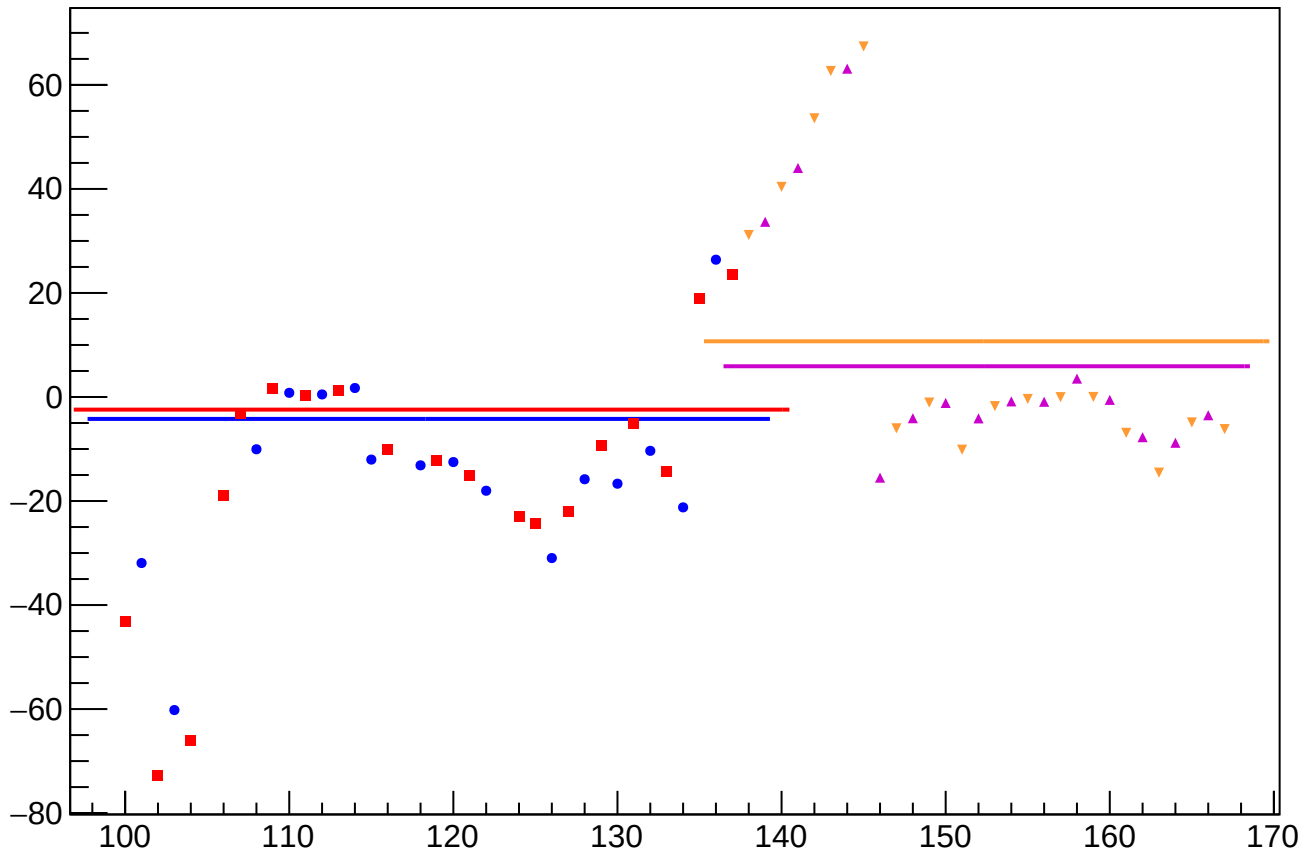
Left In: -0.095 ± 0.002 $\chi^2/\text{NDF}: 3220.0/13$

+ sign -0.166 ± 0.002 $\chi^2/\text{NDF}: 16005.1/31$

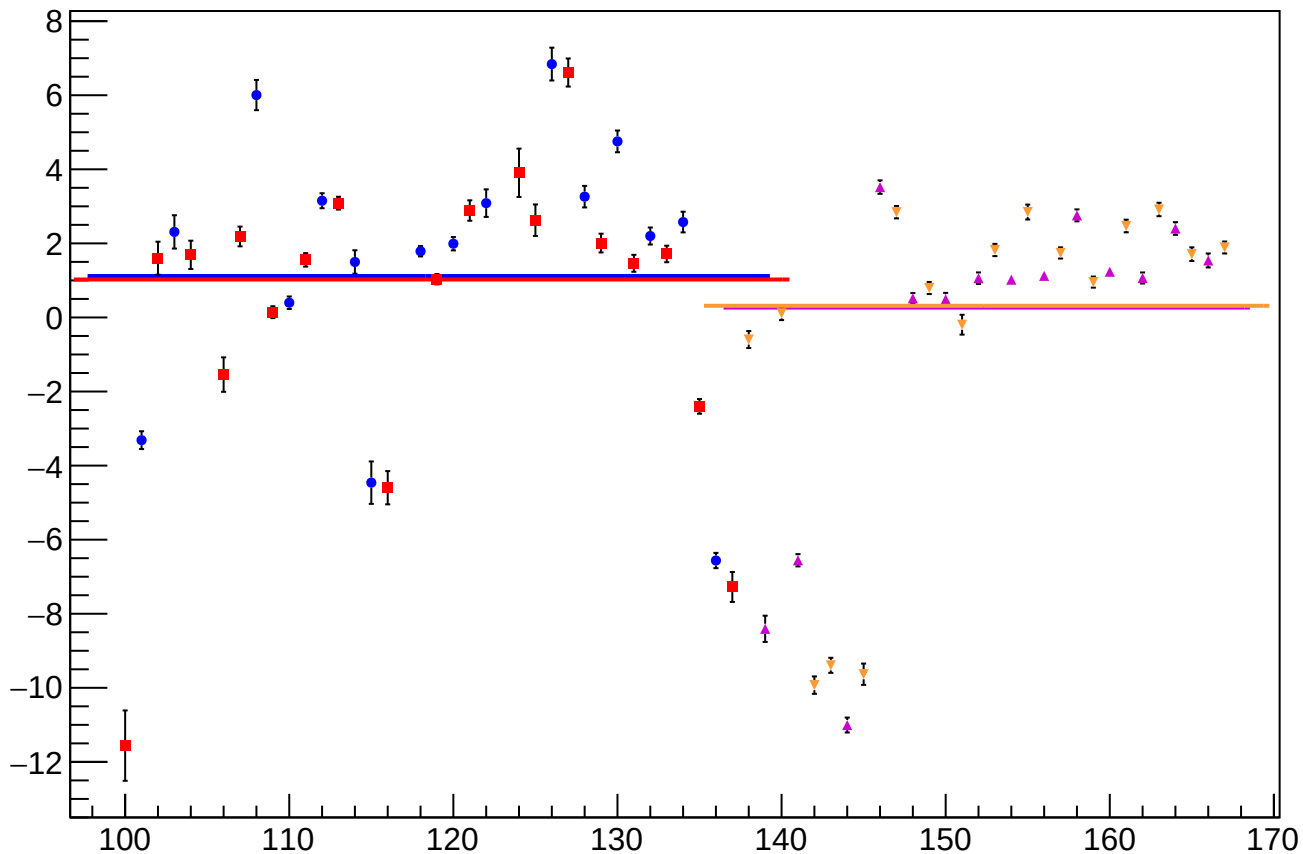
All: -0.134 ± 0.001 $\chi^2/\text{NDF}: 35442.1/64$

- sign -0.110 ± 0.002 $\chi^2/\text{NDF}: 18985.5/32$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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: 0.315 $\pm$ 0.046 χ^2 /NDF: 6489.3/15

Right Out: 1.025 $\pm$ 0.057 χ^2 /NDF: 1612.0/18

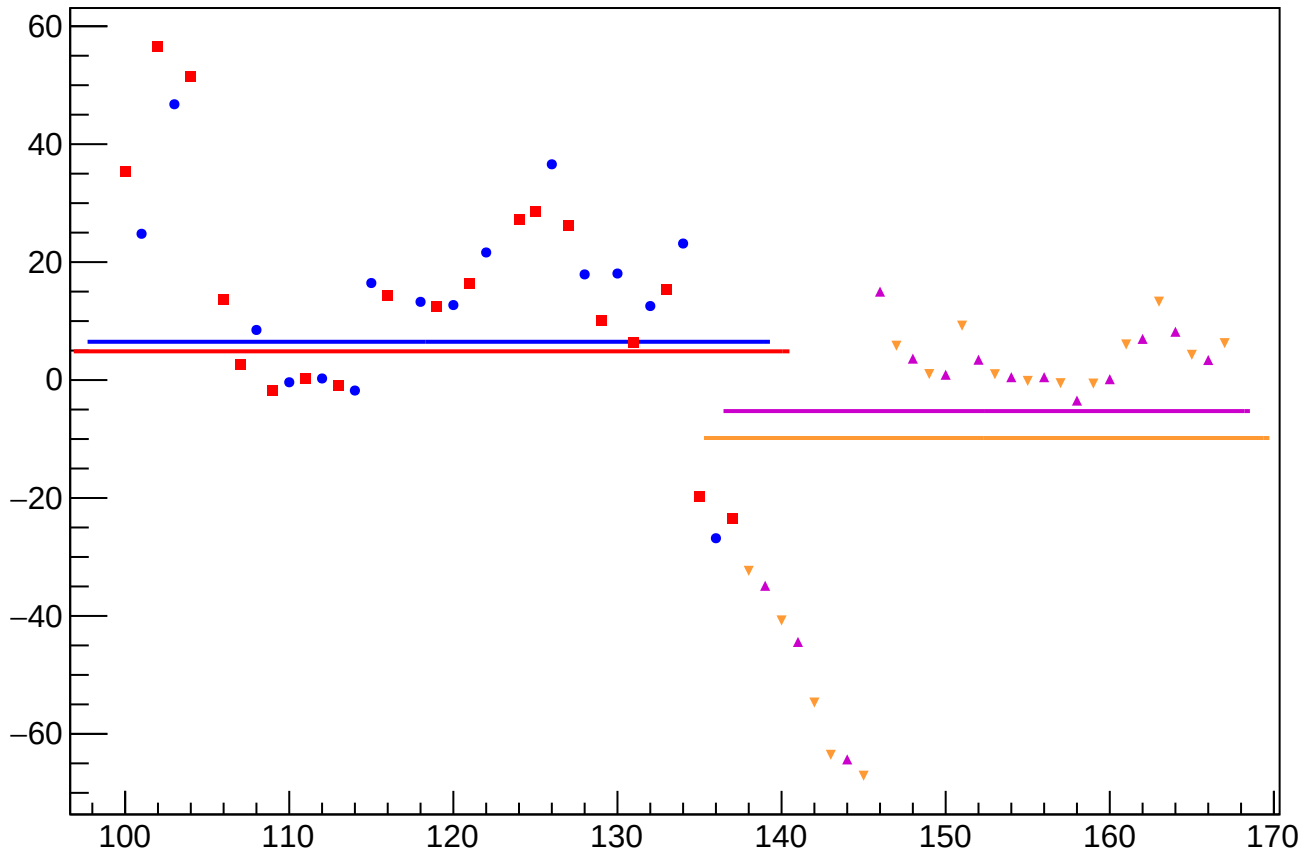
Left In: 0.266 $\pm$ 0.041 χ^2 /NDF: 6418.3/13

+ sign 0.610 $\pm$ 0.037 χ^2 /NDF: 9192.7/31

All: 0.560 $\pm$ 0.025 χ^2 /NDF: 17343.1/64

- sign 0.520 $\pm$ 0.033 χ^2 /NDF: 8147.1/32

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492 ± 0.065 χ^2/NDF : 70623.9/15

Left Out: -9.825 ± 0.062 χ^2/NDF : 142417.0/15

Right Out: 4.869 ± 0.059 χ^2/NDF : 75265.6/18

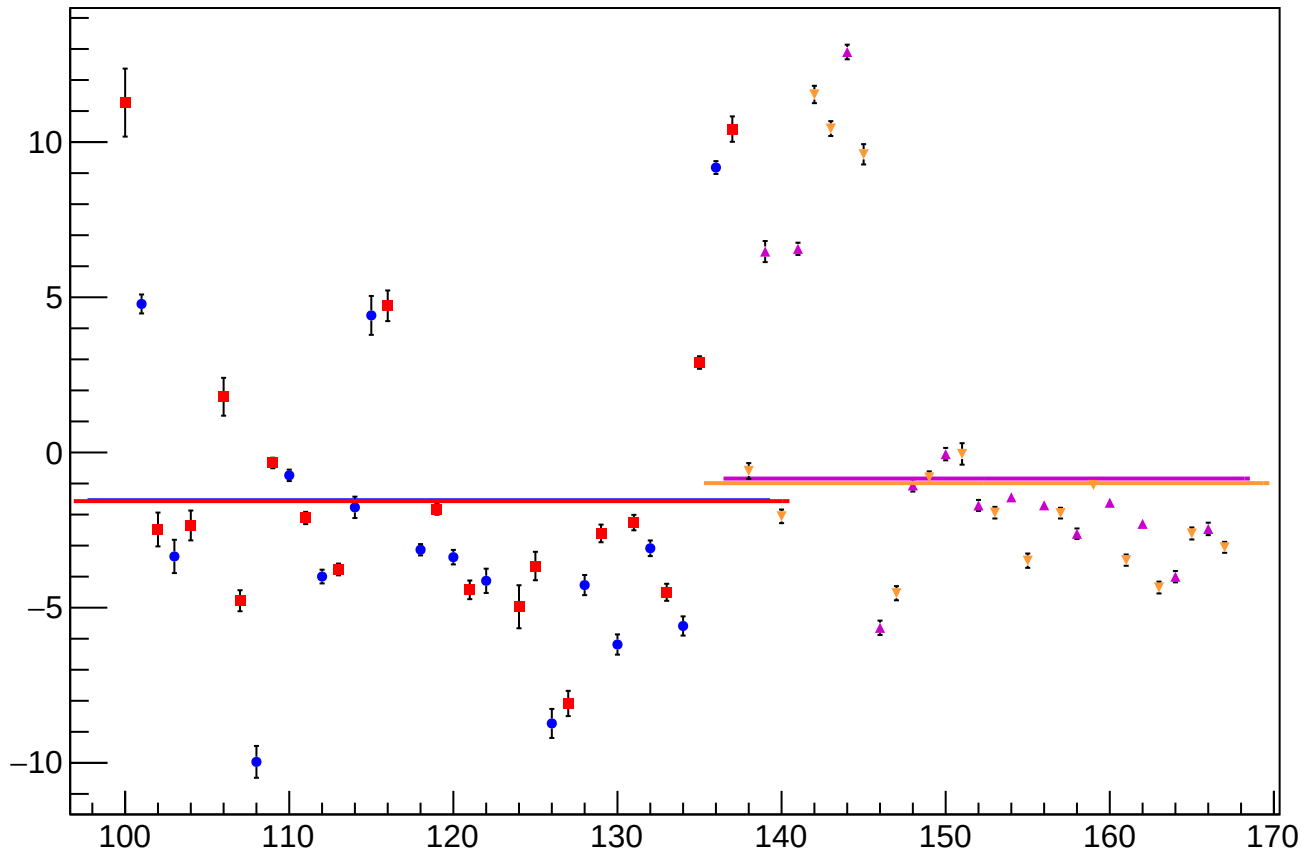
Left In: -5.260 ± 0.055 χ^2/NDF : 115107.6/13

+ sign -2.079 ± 0.045 χ^2/NDF : 245913.4/31

All: -1.256 ± 0.030 χ^2/NDF : 452693.9/64

- sign -0.599 ± 0.040 χ^2/NDF : 206177.5/32

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540 ± 0.070 χ^2/NDF : 4535.9/15

Left Out: -0.987 ± 0.052 χ^2/NDF : 6477.7/15

Right Out: -1.567 ± 0.065 χ^2/NDF : 2497.0/18

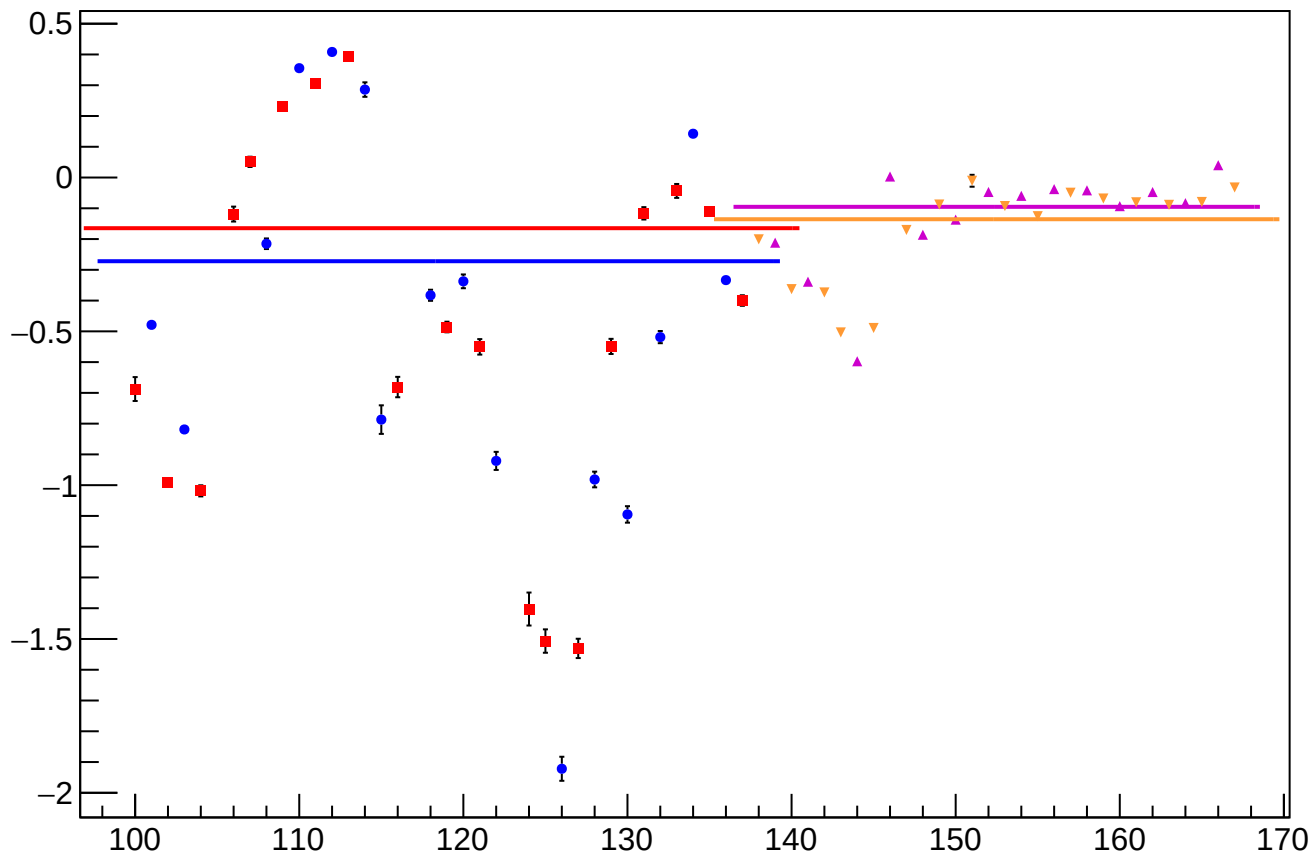
Left In: -0.840 ± 0.046 χ^2/NDF : 6422.9/13

+ sign -1.186 ± 0.042 χ^2/NDF : 11054.0/31

All: -1.130 ± 0.028 χ^2/NDF : 20061.3/64

- sign -1.084 ± 0.037 χ^2/NDF : 9004.0/32

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 χ^2/NDF : 12063.6/15

Left Out: -0.136 ± 0.002 χ^2/NDF : 3132.8/15

Right Out: -0.165 ± 0.004 χ^2/NDF : 15490.5/18

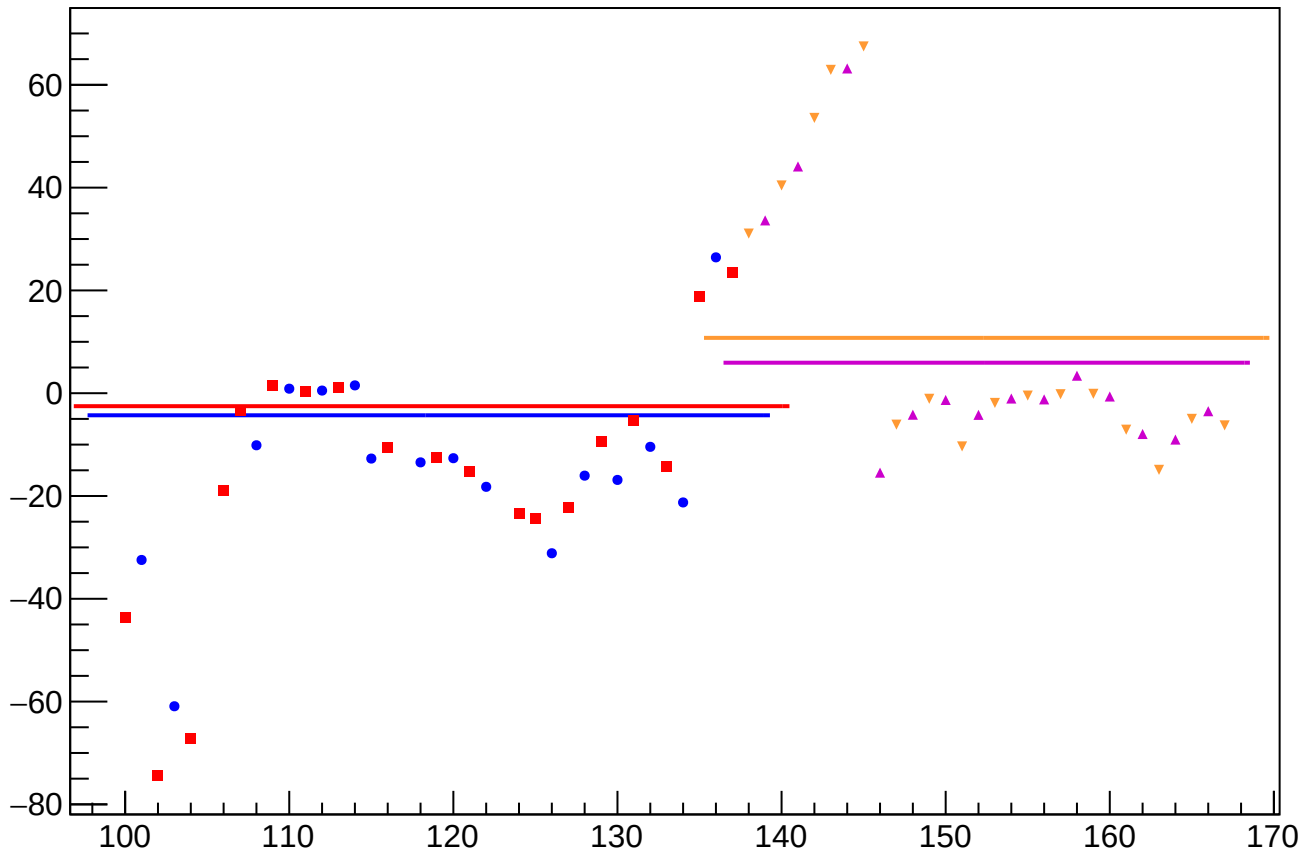
Left In: -0.095 ± 0.002 χ^2/NDF : 3222.3/13

+ sign -0.167 ± 0.002 χ^2/NDF : 16022.4/31

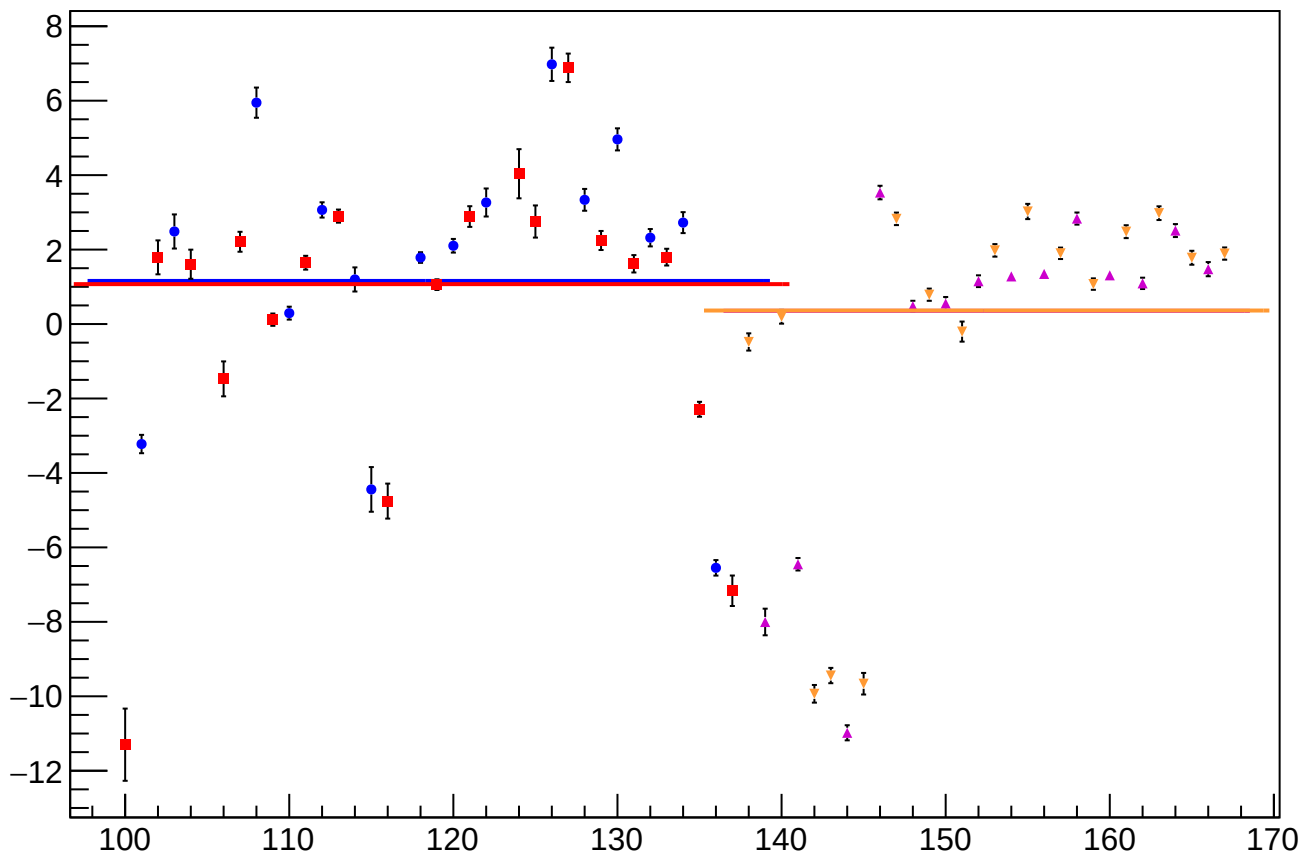
All: -0.135 ± 0.001 χ^2/NDF : 35464.4/64

- sign -0.110 ± 0.002 χ^2/NDF : 18975.8/32

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158 $\pm$ 0.062 χ^2 /NDF: 2549.9/15

Left Out: 0.363 $\pm$ 0.047 χ^2 /NDF: 6463.4/15

Right Out: 1.072 $\pm$ 0.058 χ^2 /NDF: 1551.4/18

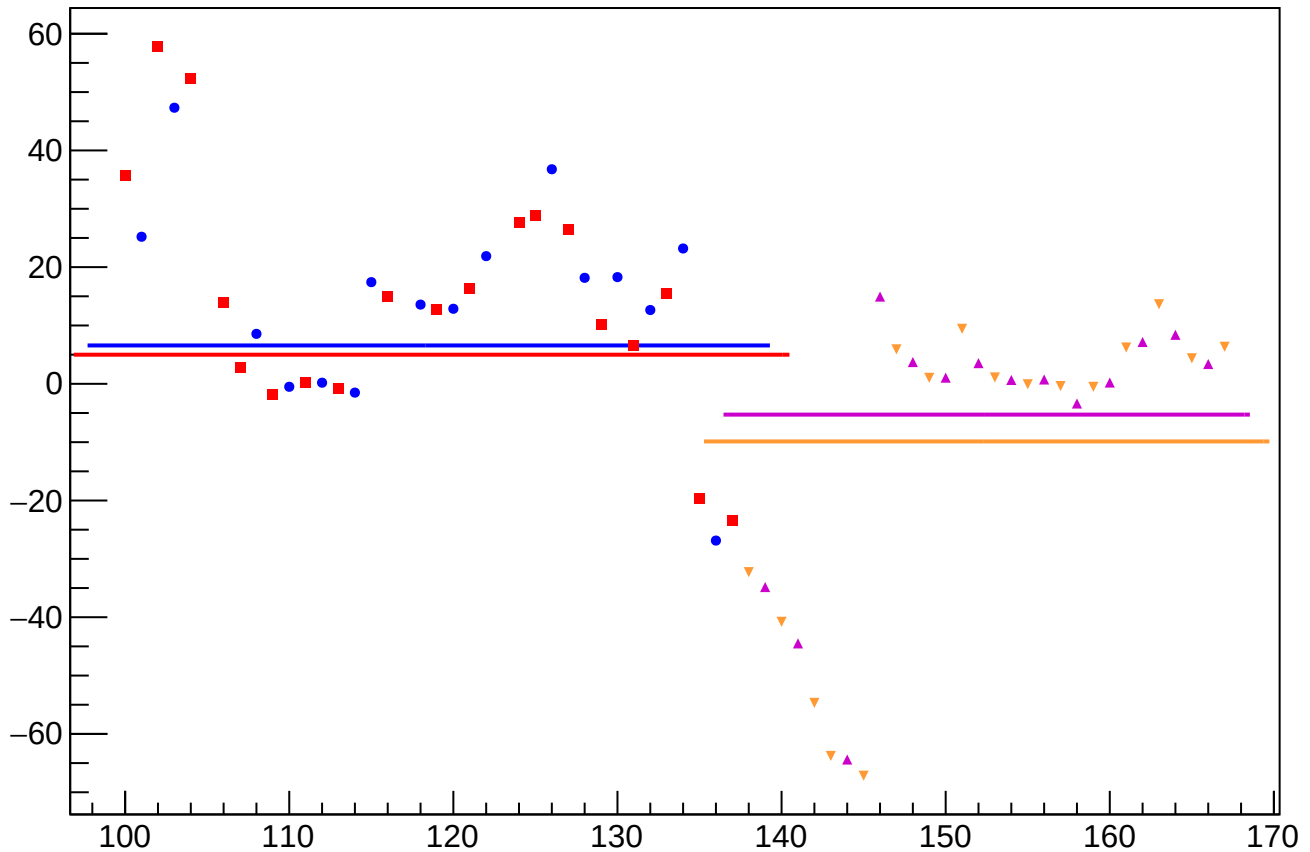
Left In: 0.354 $\pm$ 0.041 χ^2 /NDF: 6283.5/13

+ sign 0.654 $\pm$ 0.037 χ^2 /NDF: 9119.2/31

All: 0.621 $\pm$ 0.025 χ^2 /NDF: 17056.2/64

- sign 0.595 $\pm$ 0.034 χ^2 /NDF: 7935.6/32

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578 ± 0.066 χ^2/NDF : 69731.5/15

Left Out: -9.875 ± 0.063 χ^2/NDF : 140420.5/15

Right Out: 4.992 ± 0.060 χ^2/NDF : 74461.3/18

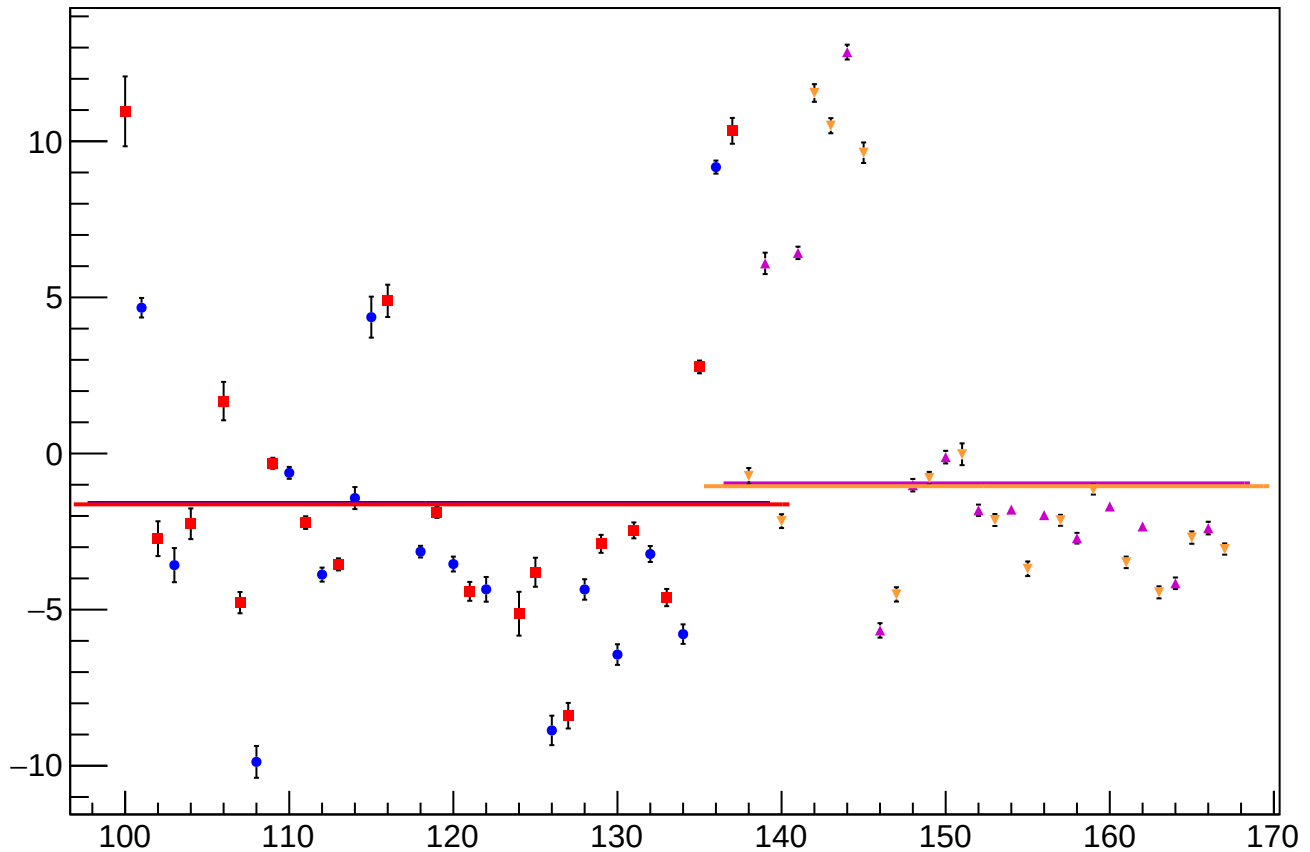
Left In: -5.278 ± 0.056 χ^2/NDF : 113258.7/13

+ sign -2.091 ± 0.046 χ^2/NDF : 242509.0/31

All: -1.239 ± 0.031 χ^2/NDF : 446454.5/64

- sign -0.552 ± 0.041 χ^2/NDF : 203316.1/32

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586 ± 0.071 χ^2/NDF : 4472.6/15

Left Out: -1.047 ± 0.053 χ^2/NDF : 6449.2/15

Right Out: -1.628 ± 0.066 χ^2/NDF : 2422.3/18

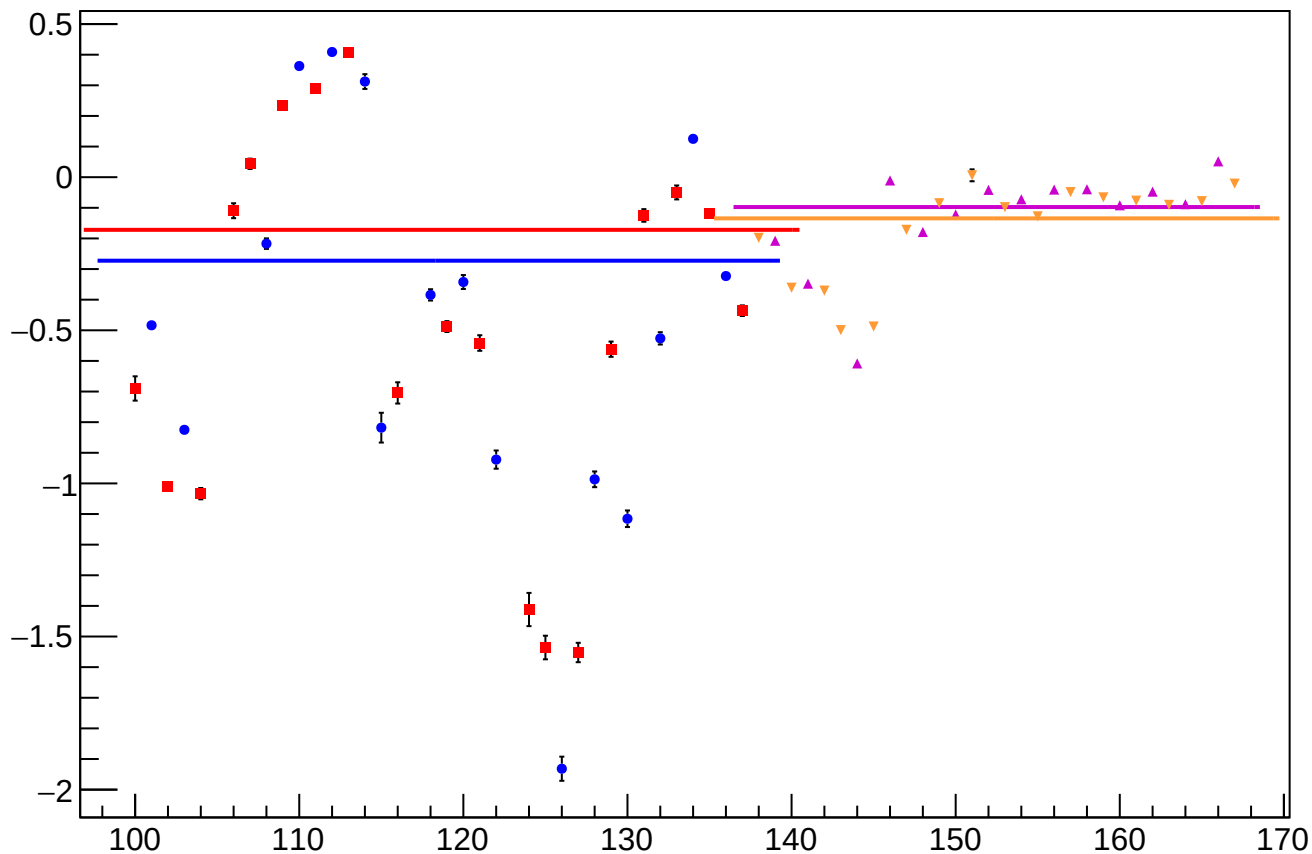
Left In: -0.957 ± 0.047 χ^2/NDF : 6287.3/13

+ sign -1.241 ± 0.042 χ^2/NDF : 10958.9/31

All: -1.209 ± 0.028 χ^2/NDF : 19738.3/64

- sign -1.183 ± 0.038 χ^2/NDF : 8778.4/32

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273 ± 0.004 χ^2/NDF : 11856.3/15

Left Out: -0.134 ± 0.002 χ^2/NDF : 3081.2/15

Right Out: -0.172 ± 0.004 χ^2/NDF : 15322.3/18

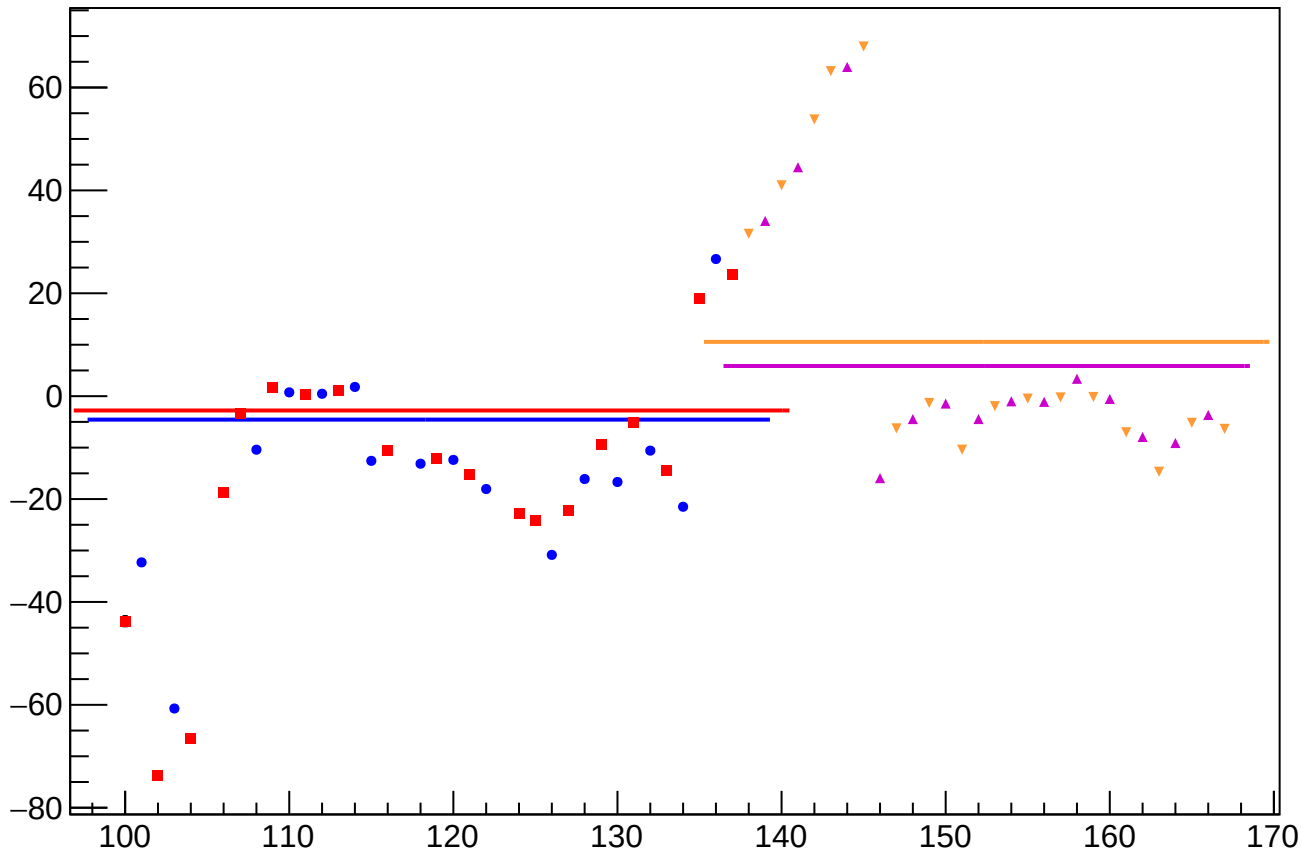
Left In: -0.098 ± 0.002 χ^2/NDF : 3226.4/13

+ sign -0.167 ± 0.002 χ^2/NDF : 15758.8/31

All: -0.137 ± 0.001 χ^2/NDF : 34986.5/64

- sign -0.113 ± 0.002 χ^2/NDF : 18840.1/32

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557 ± 0.057 $\chi^2/\text{NDF}: 72635.2/15$

Left Out: 10.557 ± 0.065 $\chi^2/\text{NDF}: 141859.0/15$

Right Out: -2.780 ± 0.049 $\chi^2/\text{NDF}: 77905.3/18$

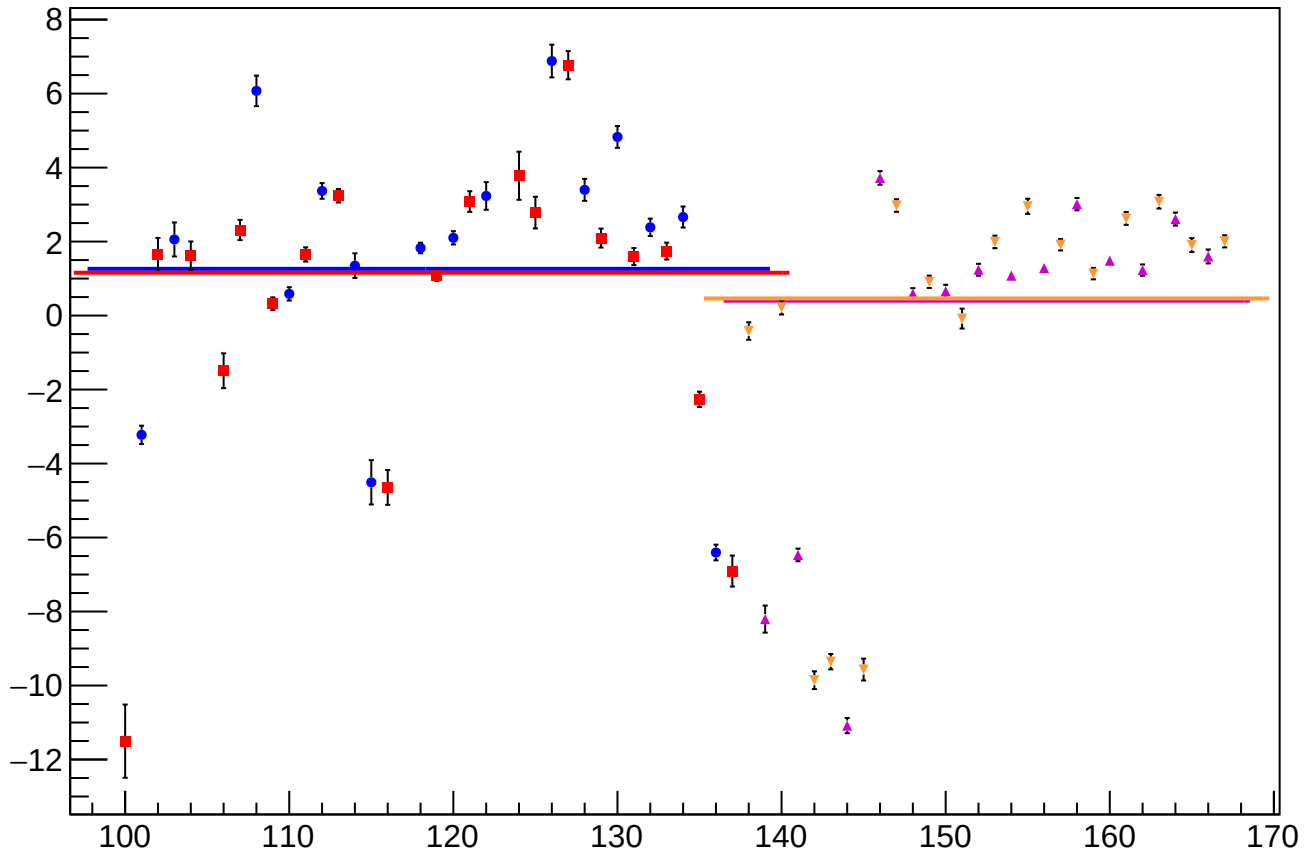
Left In: 5.866 ± 0.059 $\chi^2/\text{NDF}: 113660.4/13$

+ sign 1.972 ± 0.043 $\chi^2/\text{NDF}: 245080.1/31$

All: 1.257 ± 0.028 $\chi^2/\text{NDF}: 449960.4/64$

- sign 0.710 ± 0.037 $\chi^2/\text{NDF}: 204387.7/32$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263 ± 0.062 χ^2/NDF : 2443.8/15

Left Out: 0.463 ± 0.047 χ^2/NDF : 6300.1/15

Right Out: 1.157 ± 0.059 χ^2/NDF : 1490.5/18

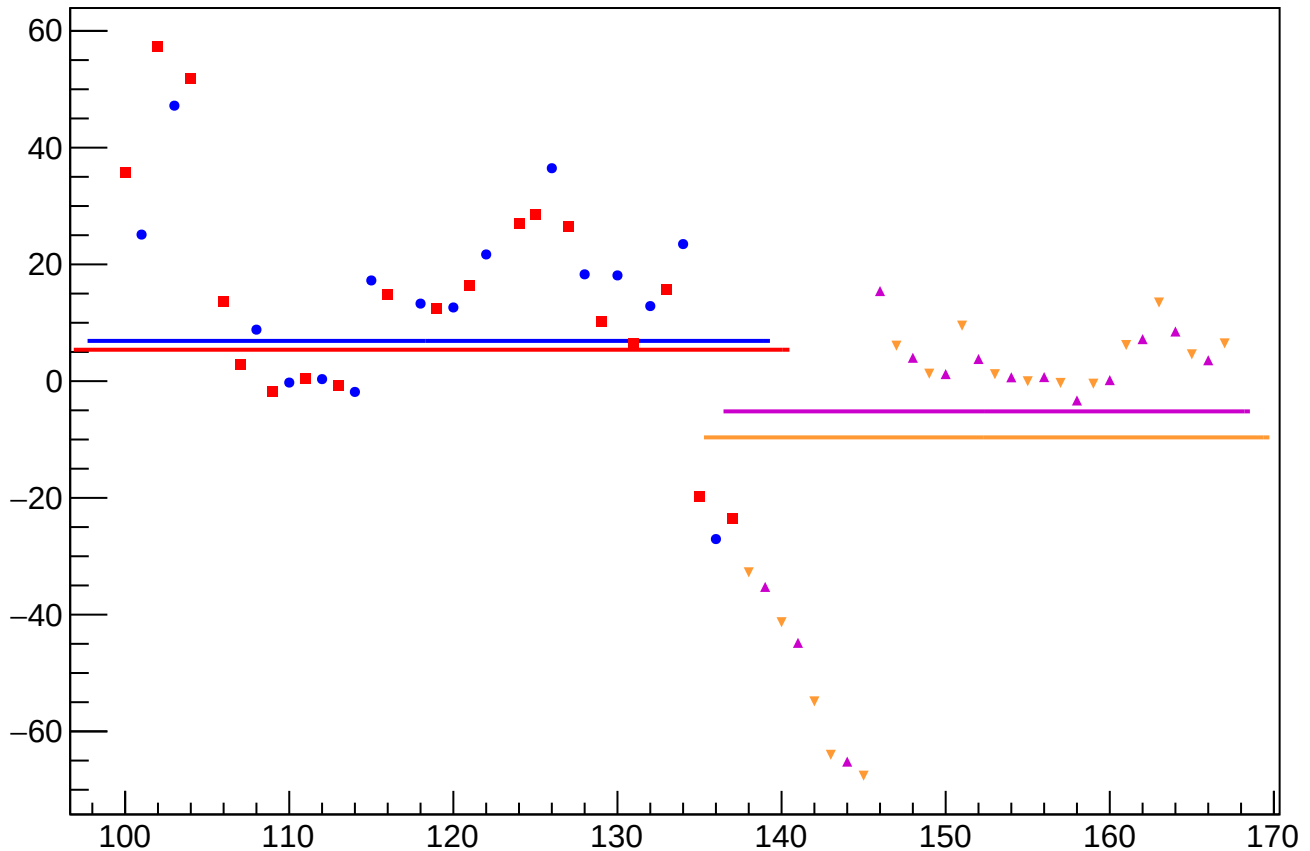
Left In: 0.402 ± 0.042 χ^2/NDF : 6244.6/13

+ sign 0.756 ± 0.038 χ^2/NDF : 8849.5/31

All: 0.701 ± 0.025 χ^2/NDF : 16697.1/64

- sign 0.655 ± 0.034 χ^2/NDF : 7843.7/32

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895 ± 0.067 χ^2/NDF : 68047.4/15

Left Out: -9.637 ± 0.063 χ^2/NDF : 138842.6/15

Right Out: 5.381 ± 0.062 χ^2/NDF : 72230.2/18

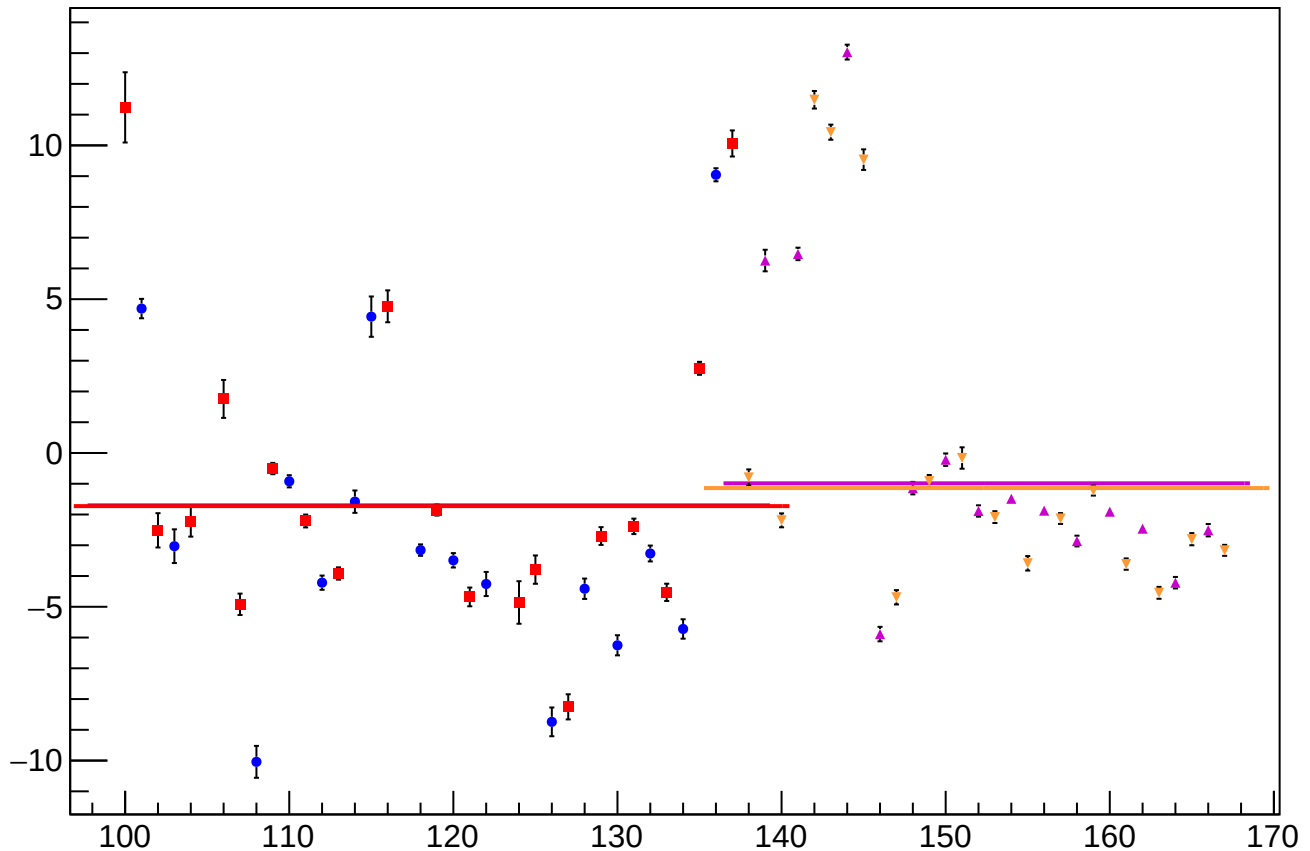
Left In: -5.179 ± 0.057 χ^2/NDF : 112025.0/13

+ sign -1.860 ± 0.046 χ^2/NDF : 238786.6/31

All: -1.032 ± 0.031 χ^2/NDF : 439550.5/64

- sign -0.357 ± 0.042 χ^2/NDF : 200180.3/32

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708 ± 0.072 χ^2/NDF : 4289.8/15

Left Out: -1.141 ± 0.053 χ^2/NDF : 6297.3/15

Right Out: -1.727 ± 0.067 χ^2/NDF : 2309.6/18

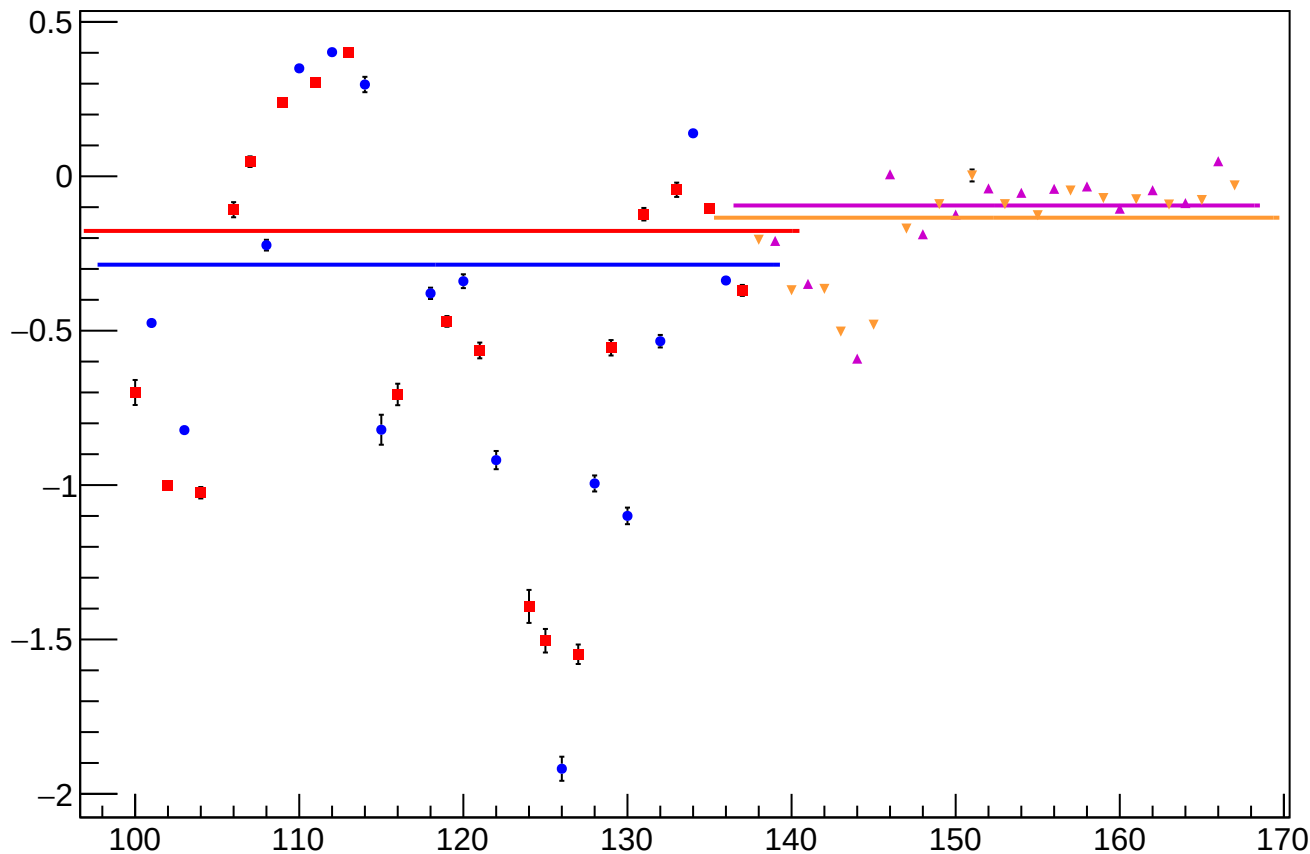
Left In: -0.987 ± 0.048 χ^2/NDF : 6267.1/13

+ sign -1.344 ± 0.043 χ^2/NDF : 10627.4/31

All: -1.284 ± 0.029 χ^2/NDF : 19289.1/64

- sign -1.235 ± 0.039 χ^2/NDF : 8658.2/32

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286 ± 0.004 χ^2/NDF : 11361.1/15

Left Out: -0.134 ± 0.002 χ^2/NDF : 3007.5/15

Right Out: -0.177 ± 0.004 χ^2/NDF : 14767.8/18

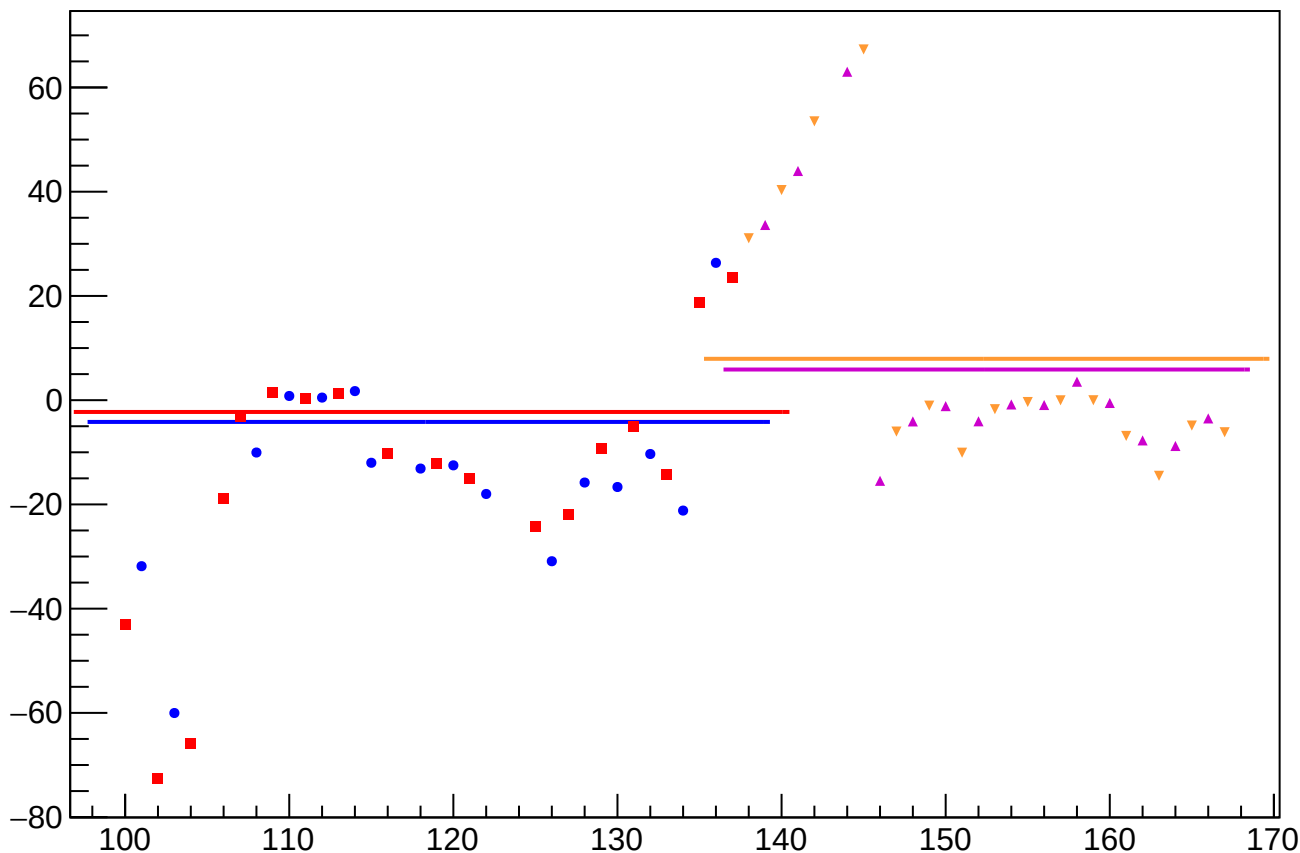
Left In: -0.095 ± 0.002 χ^2/NDF : 3118.8/13

+ sign -0.169 ± 0.002 χ^2/NDF : 15339.4/31

All: -0.137 ± 0.001 χ^2/NDF : 34006.4/64

- sign -0.112 ± 0.002 χ^2/NDF : 18229.7/32

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: 7.938 ± 0.065 $\chi^2/\text{NDF}: 110067.9/14$

Right Out: -2.261 ± 0.046 $\chi^2/\text{NDF}: 79624.4/17$

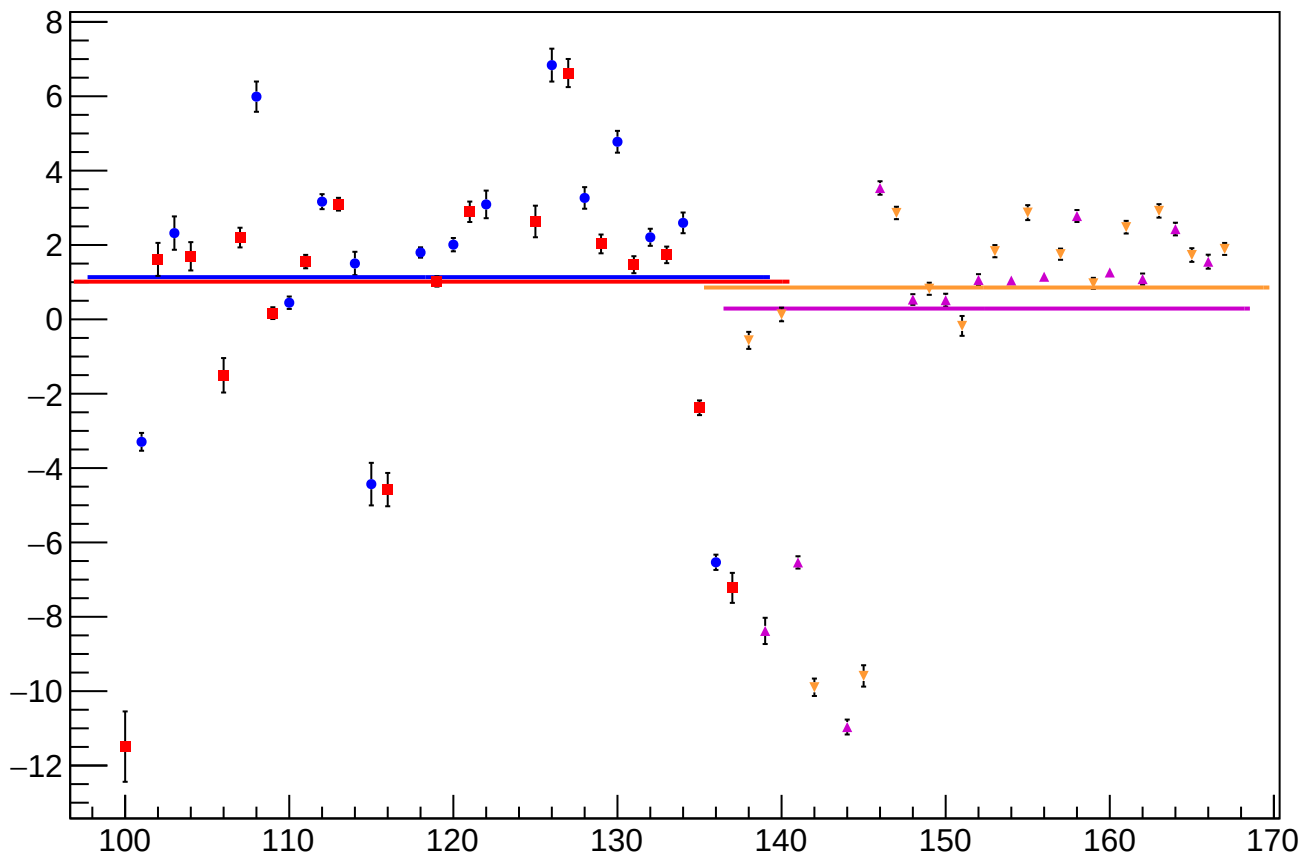
Left In: 5.883 ± 0.057 $\chi^2/\text{NDF}: 116963.4/13$

+ sign 0.816 ± 0.042 $\chi^2/\text{NDF}: 205840.6/30$

All: 0.903 ± 0.027 $\chi^2/\text{NDF}: 414842.9/62$

- sign 0.968 ± 0.036 $\chi^2/\text{NDF}: 208994.6/31$

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: 0.856 $\pm$ 0.047 χ^2 /NDF: 4096.0/14

Right Out: 1.014 $\pm$ 0.057 χ^2 /NDF: 1593.0/17

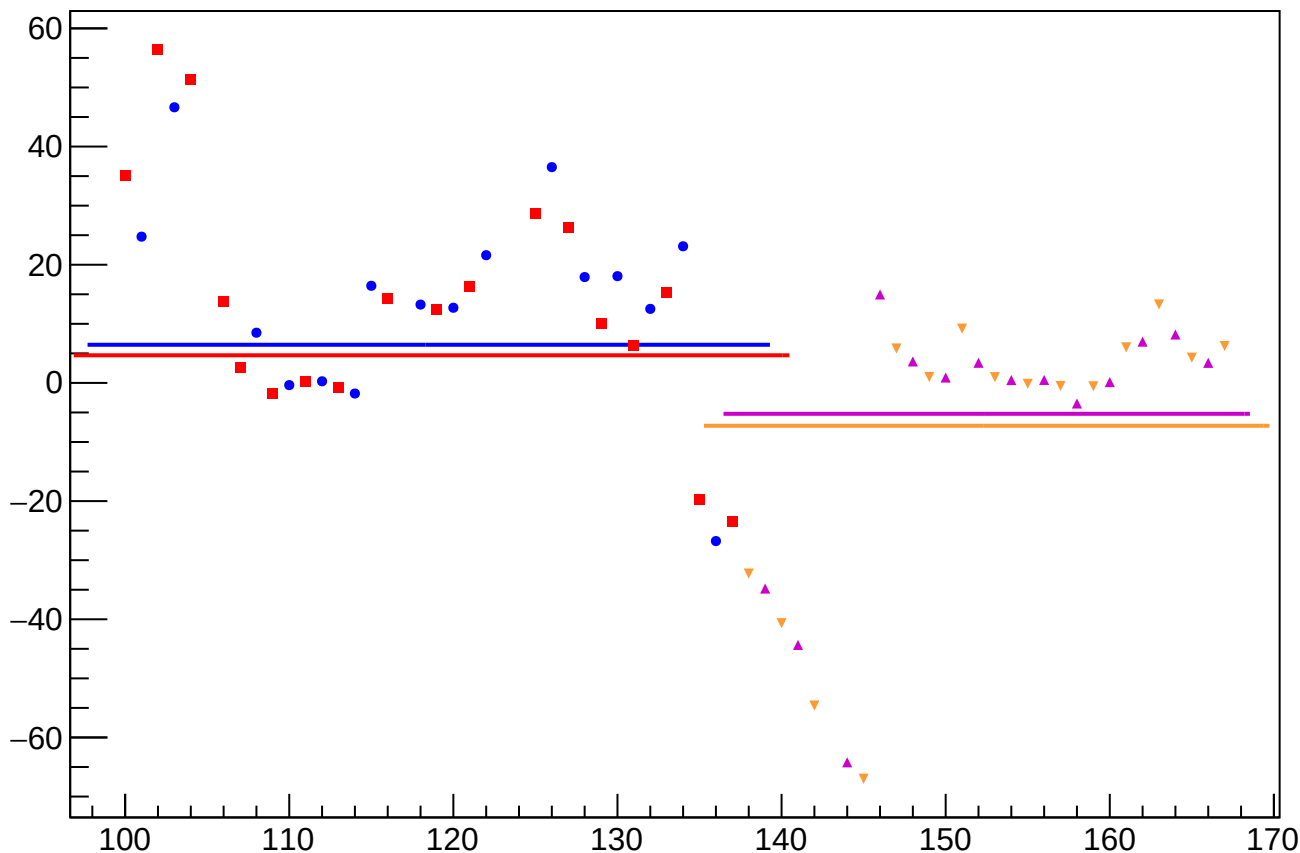
Left In: 0.290 $\pm$ 0.040 χ^2 /NDF: 6440.7/13

+ sign 0.962 $\pm$ 0.037 χ^2 /NDF: 6705.0/30

All: 0.721 $\pm$ 0.025 χ^2 /NDF: 14920.9/62

- sign 0.531 $\pm$ 0.033 χ^2 /NDF: 8140.5/31

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: -7.253 ± 0.063 χ^2/NDF : 106978.9/14

Right Out: 4.677 ± 0.059 χ^2/NDF : 74414.5/17

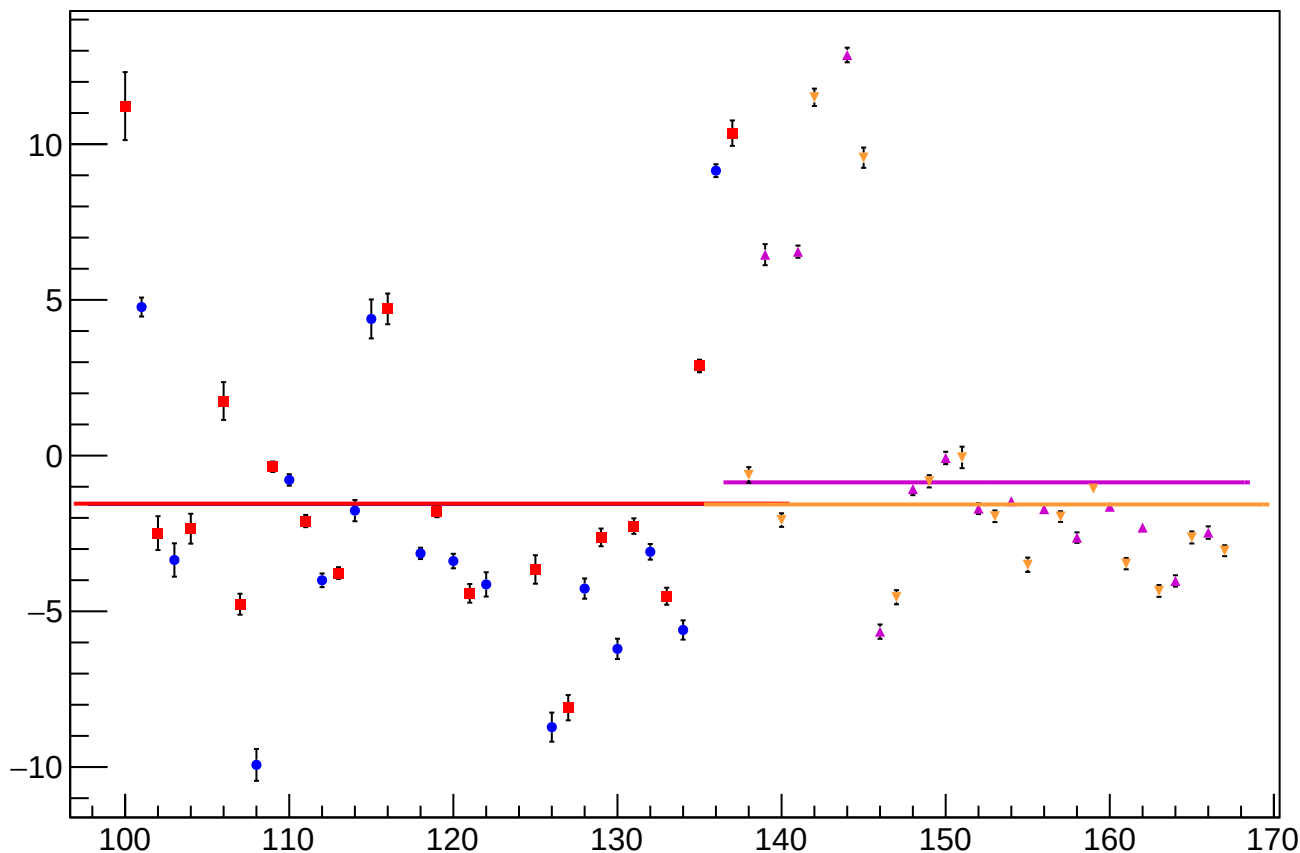
Left In: -5.226 ± 0.054 χ^2/NDF : 115343.0/13

+ sign -0.581 ± 0.045 χ^2/NDF : 200640.4/30

All: -0.637 ± 0.030 χ^2/NDF : 405596.0/62

- sign -0.681 ± 0.040 χ^2/NDF : 204952.8/31

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: -1.568 ± 0.053 χ^2/NDF : 4098.7/14

Right Out: -1.543 ± 0.065 χ^2/NDF : 2473.0/17

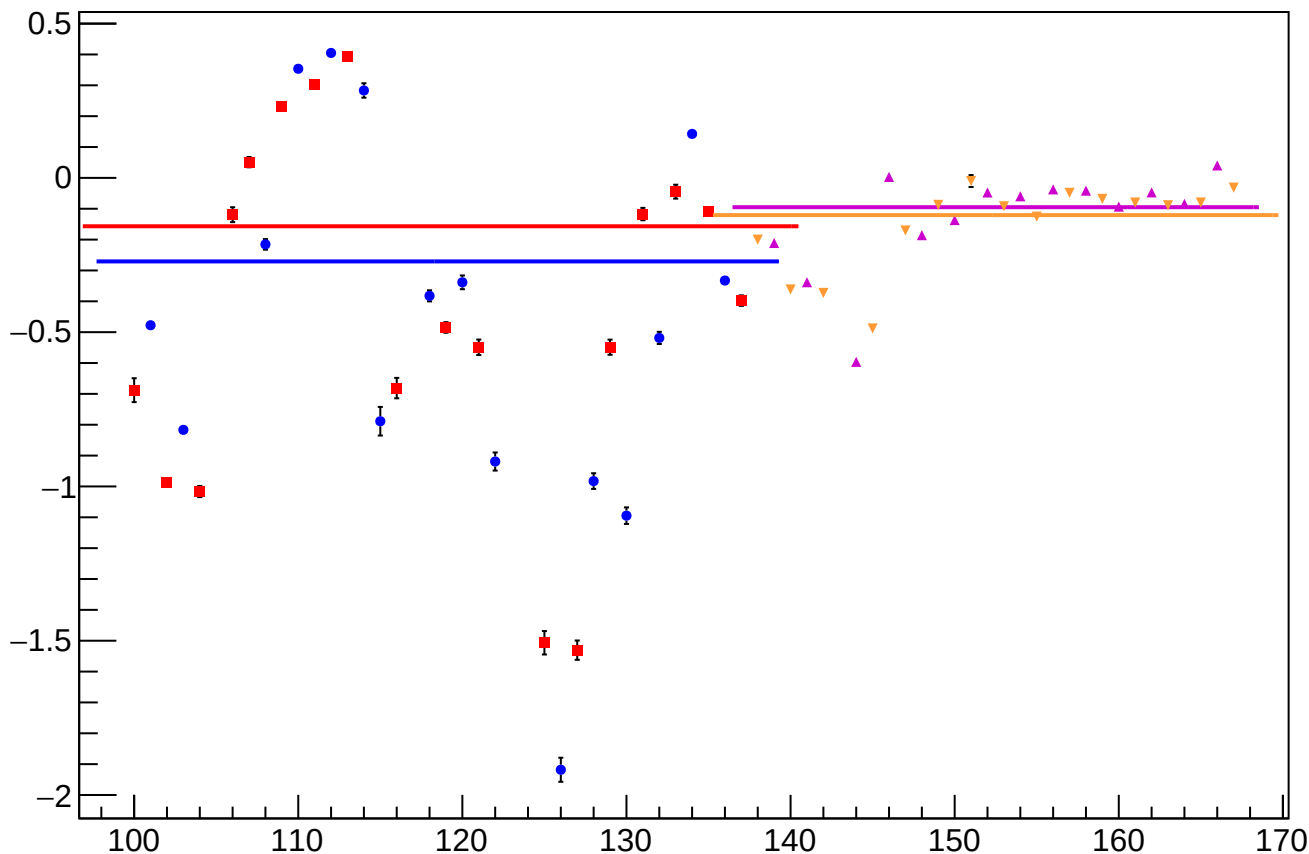
Left In: -0.859 ± 0.046 χ^2/NDF : 6442.9/13

+ sign -1.562 ± 0.042 χ^2/NDF : 8642.3/30

All: -1.295 ± 0.028 χ^2/NDF : 17703.6/62

- sign -1.088 ± 0.037 χ^2/NDF : 8990.6/31

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.271 ± 0.004 χ^2/NDF : 12096.1/15

Left Out: -0.121 ± 0.002 χ^2/NDF : 2140.7/14

Right Out: -0.157 ± 0.004 χ^2/NDF : 15019.0/17

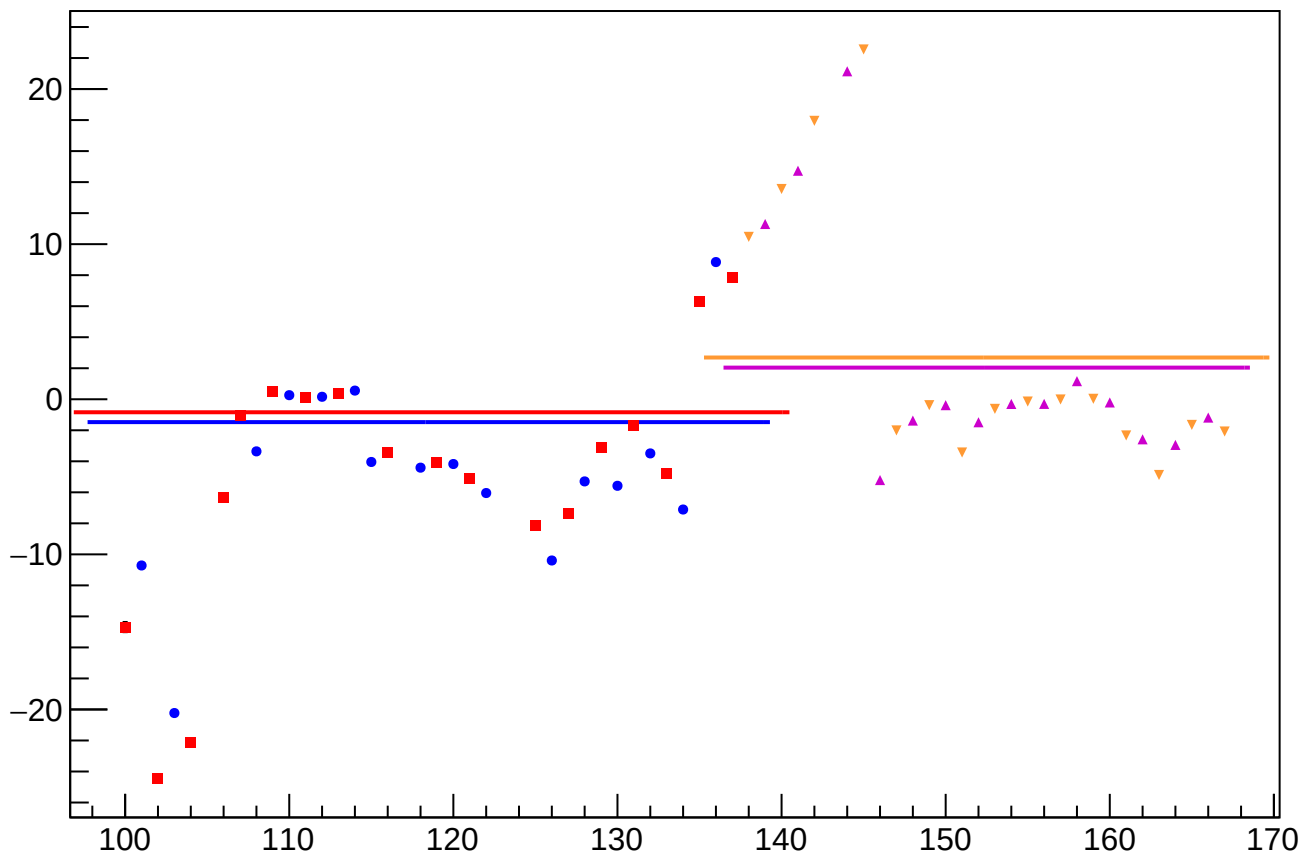
Left In: -0.095 ± 0.002 χ^2/NDF : 3229.8/13

+ sign -0.157 ± 0.002 χ^2/NDF : 15233.4/30

All: -0.129 ± 0.001 χ^2/NDF : 34024.0/62

- sign -0.108 ± 0.002 χ^2/NDF : 18458.5/31

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.474 ± 0.019 $\chi^2/\text{NDF}: 73722.2/15$

Left Out: 2.692 ± 0.022 $\chi^2/\text{NDF}: 108149.1/14$

Right Out: -0.838 ± 0.016 $\chi^2/\text{NDF}: 78013.1/17$

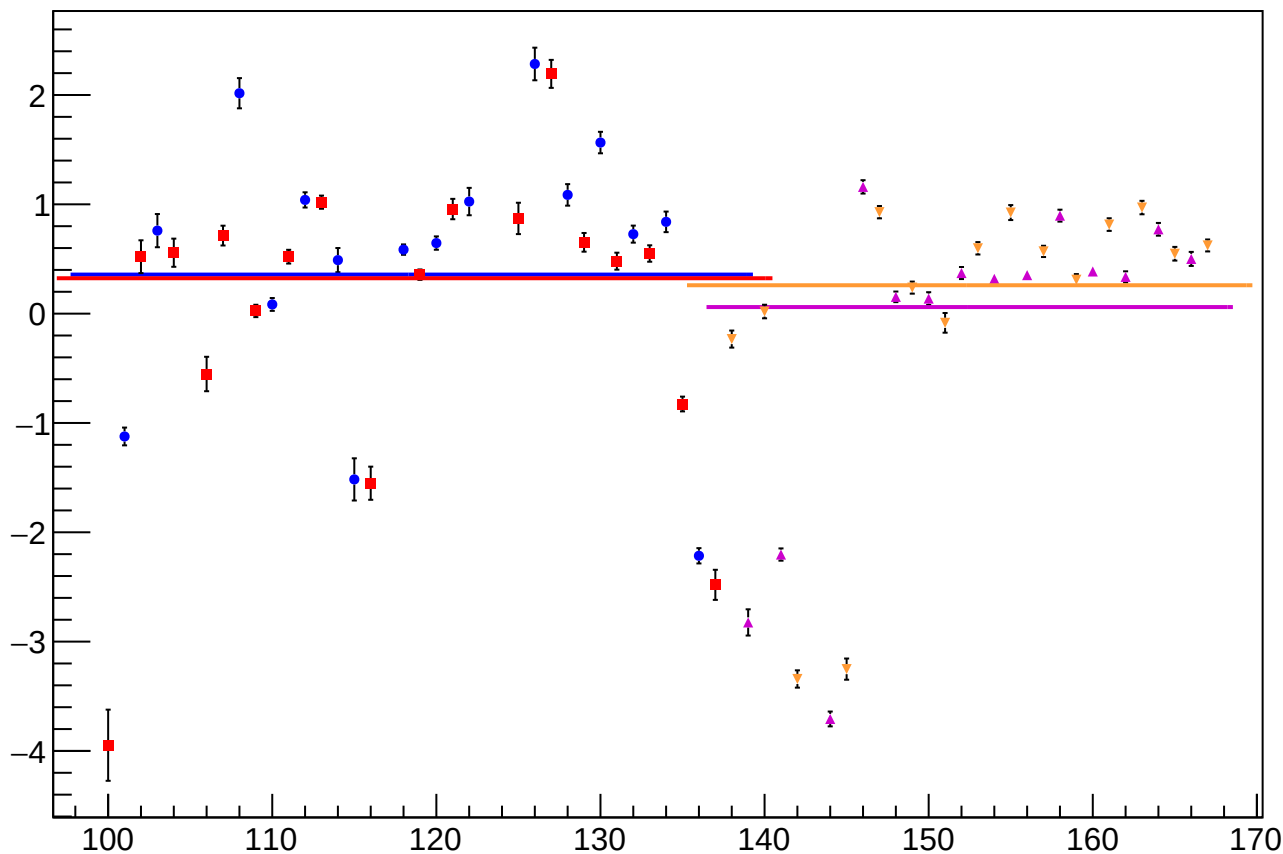
Left In: 2.040 ± 0.020 $\chi^2/\text{NDF}: 114314.8/13$

+ sign 0.260 ± 0.014 $\chi^2/\text{NDF}: 202441.6/30$

All: 0.294 ± 0.009 $\chi^2/\text{NDF}: 407739.7/62$

- sign 0.319 ± 0.012 $\chi^2/\text{NDF}: 205288.6/31$

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: 0.260 ± 0.016 χ^2/NDF : 4045.5/14

Right Out: 0.324 ± 0.020 χ^2/NDF : 1558.9/17

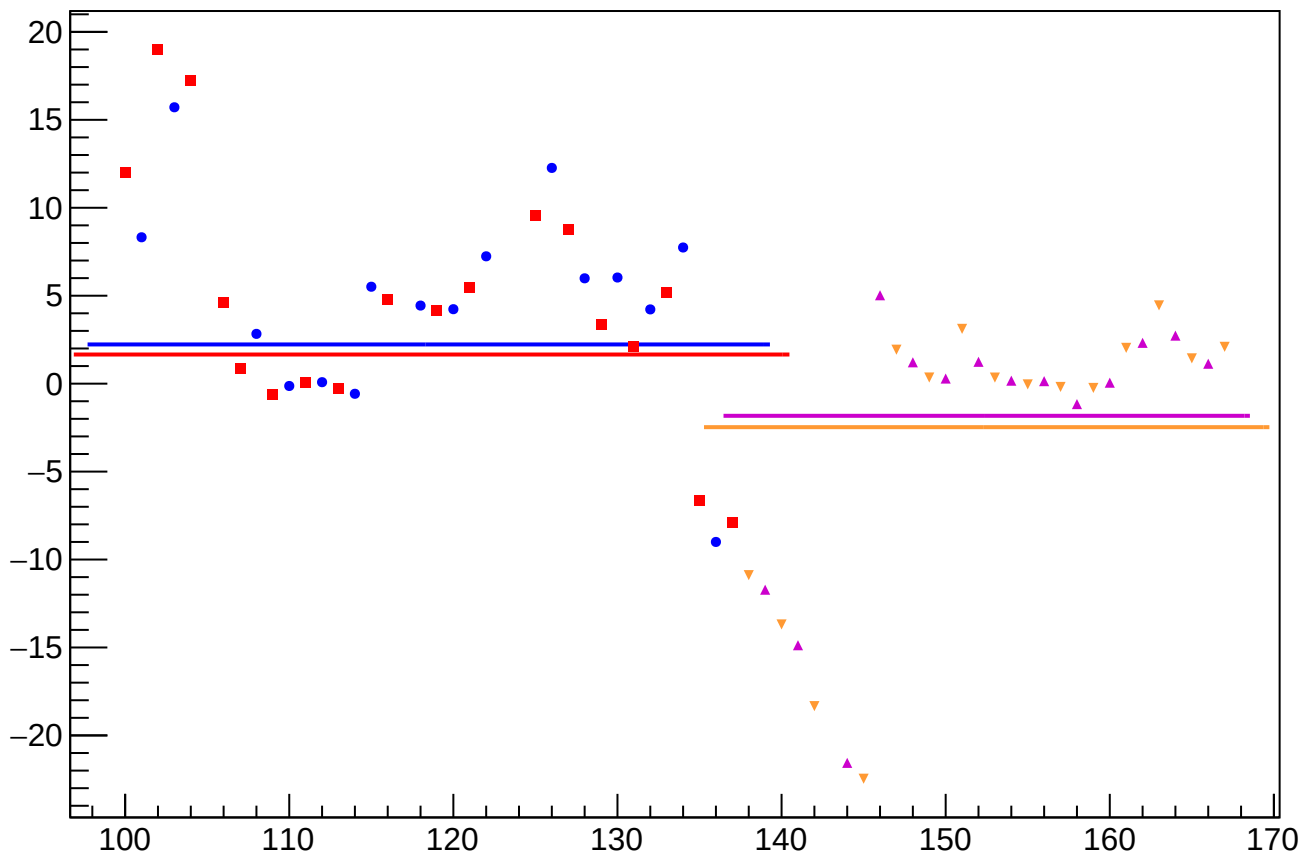
Left In: 0.060 ± 0.014 χ^2/NDF : 6272.5/13

+ sign 0.297 ± 0.013 χ^2/NDF : 6602.5/30

All: 0.214 ± 0.008 χ^2/NDF : 14629.7/62

- sign 0.148 ± 0.011 χ^2/NDF : 7950.9/31

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: -2.474+/-0.022 χ^2/NDF : 105137.4/14

Right Out: 1.657+/-0.020 χ^2/NDF : 72797.4/17

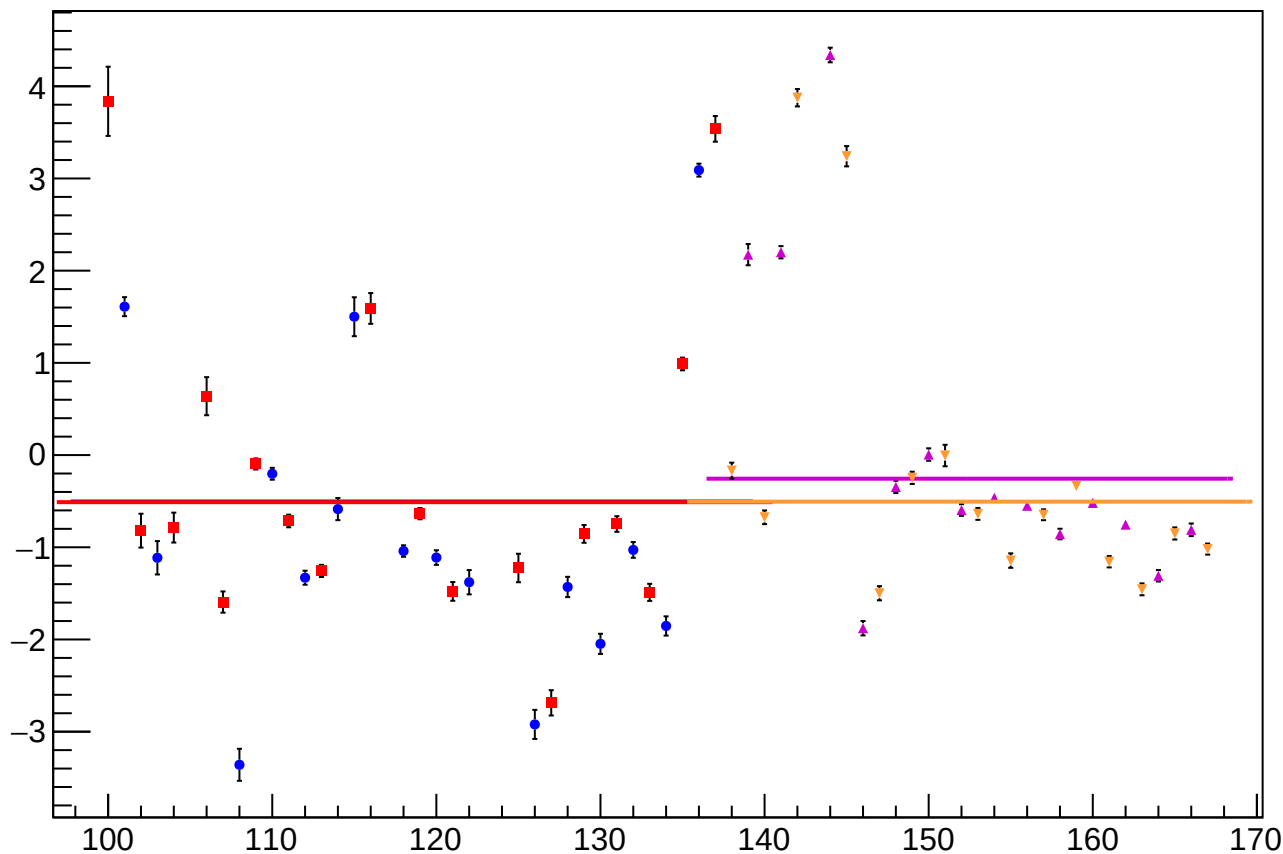
Left In: -1.828+/-0.019 χ^2/NDF : 112817.7/13

+ sign -0.195+/-0.015 χ^2/NDF : 197339.3/30

All: -0.218+/-0.010 χ^2/NDF : 398737.9/62

- sign -0.237+/-0.014 χ^2/NDF : 201394.6/31

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: -0.505 ± 0.018 χ^2/NDF : 4052.5/14

Right Out: -0.511 ± 0.022 χ^2/NDF : 2424.0/17

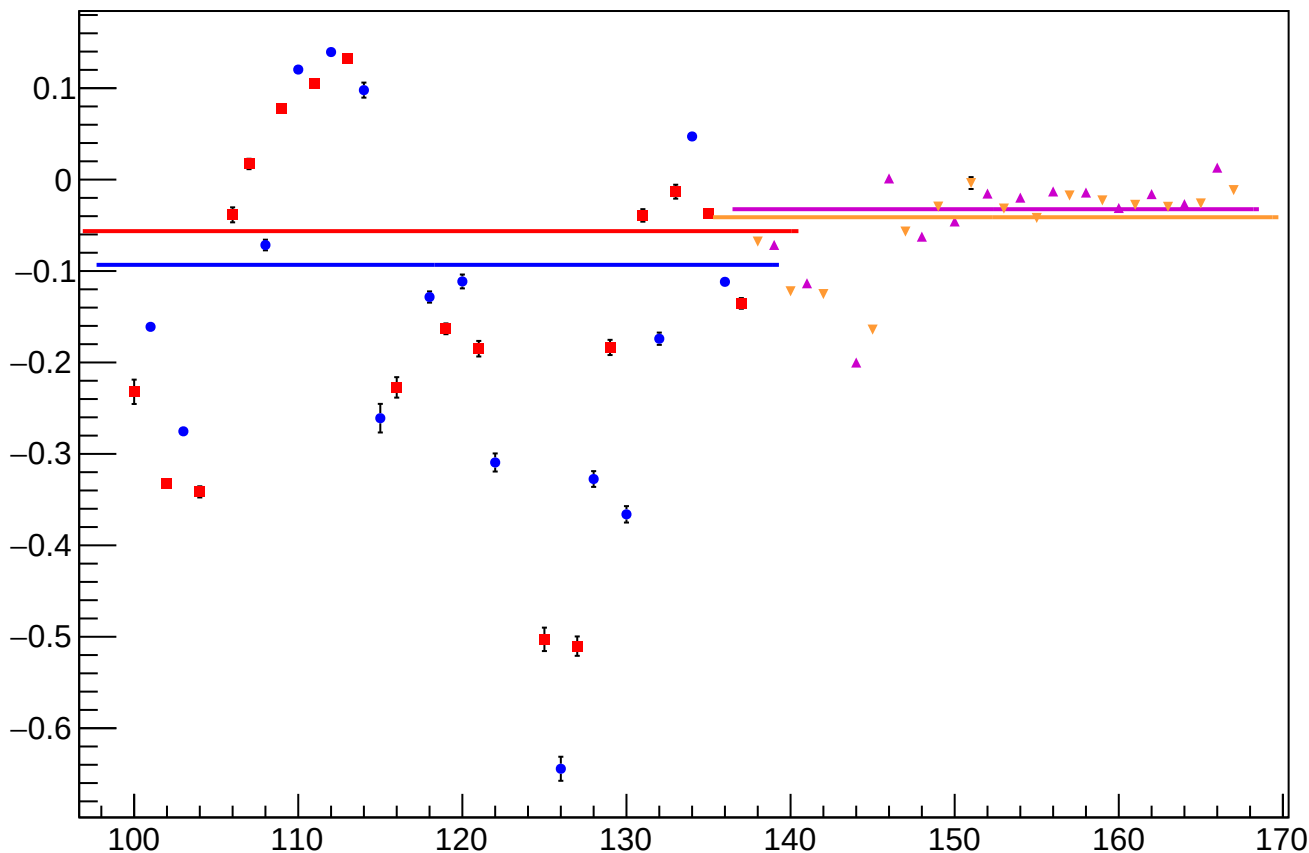
Left In: -0.256 ± 0.016 χ^2/NDF : 6285.8/13

+ sign -0.505 ± 0.014 χ^2/NDF : 8499.7/30

All: -0.413 ± 0.010 χ^2/NDF : 17368.2/62

- sign -0.341 ± 0.013 χ^2/NDF : 8796.9/31

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: -0.041 ± 0.001 χ^2/NDF : 2094.3/14

Right Out: -0.056 ± 0.001 χ^2/NDF : 14457.4/17

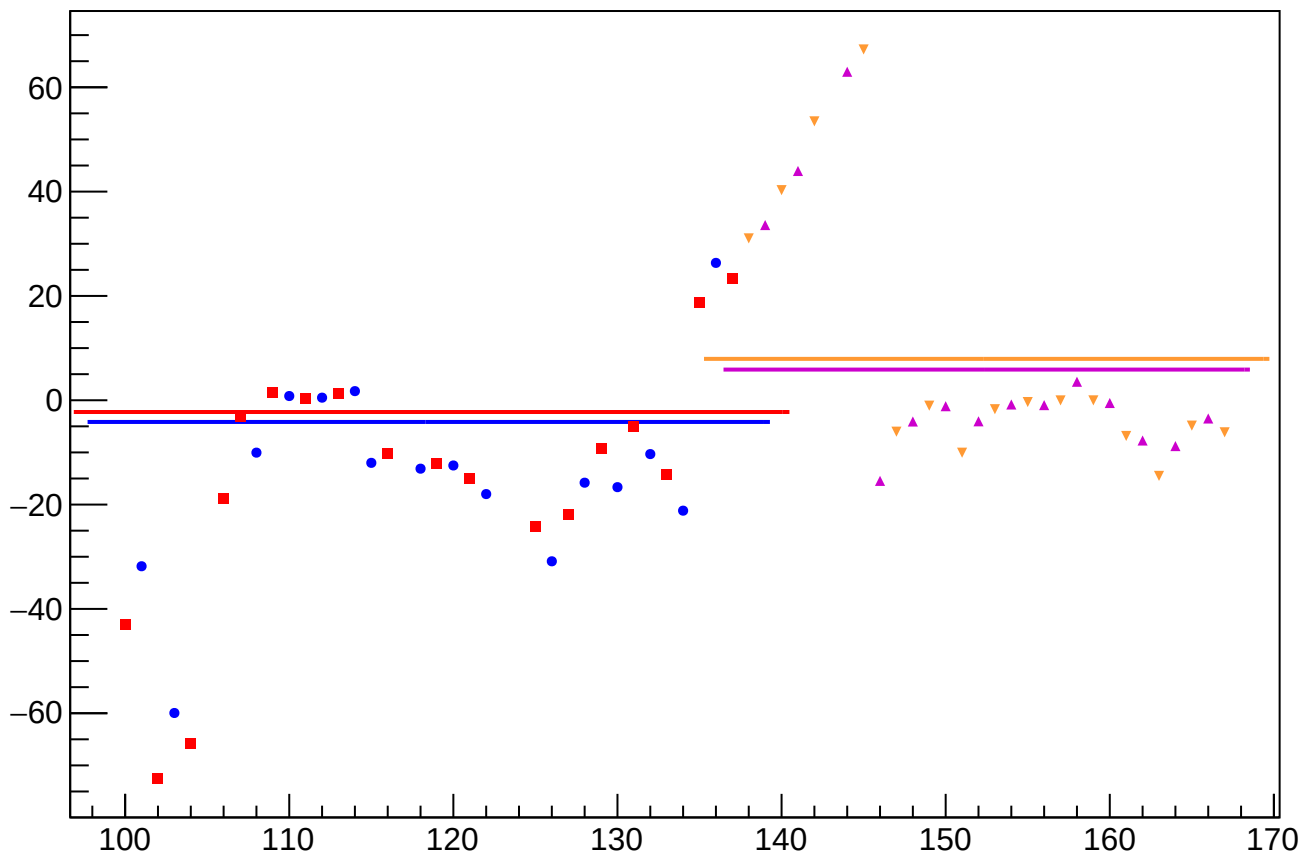
Left In: -0.032 ± 0.001 χ^2/NDF : 3153.8/13

+ sign -0.054 ± 0.001 χ^2/NDF : 14866.3/30

All: -0.044 ± 0.000 χ^2/NDF : 33056.3/62

- sign -0.037 ± 0.001 χ^2/NDF : 17877.1/31

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: 7.935 ± 0.065 χ^2/NDF : 110050.2/14

Right Out: -2.251 ± 0.046 χ^2/NDF : 79637.5/17

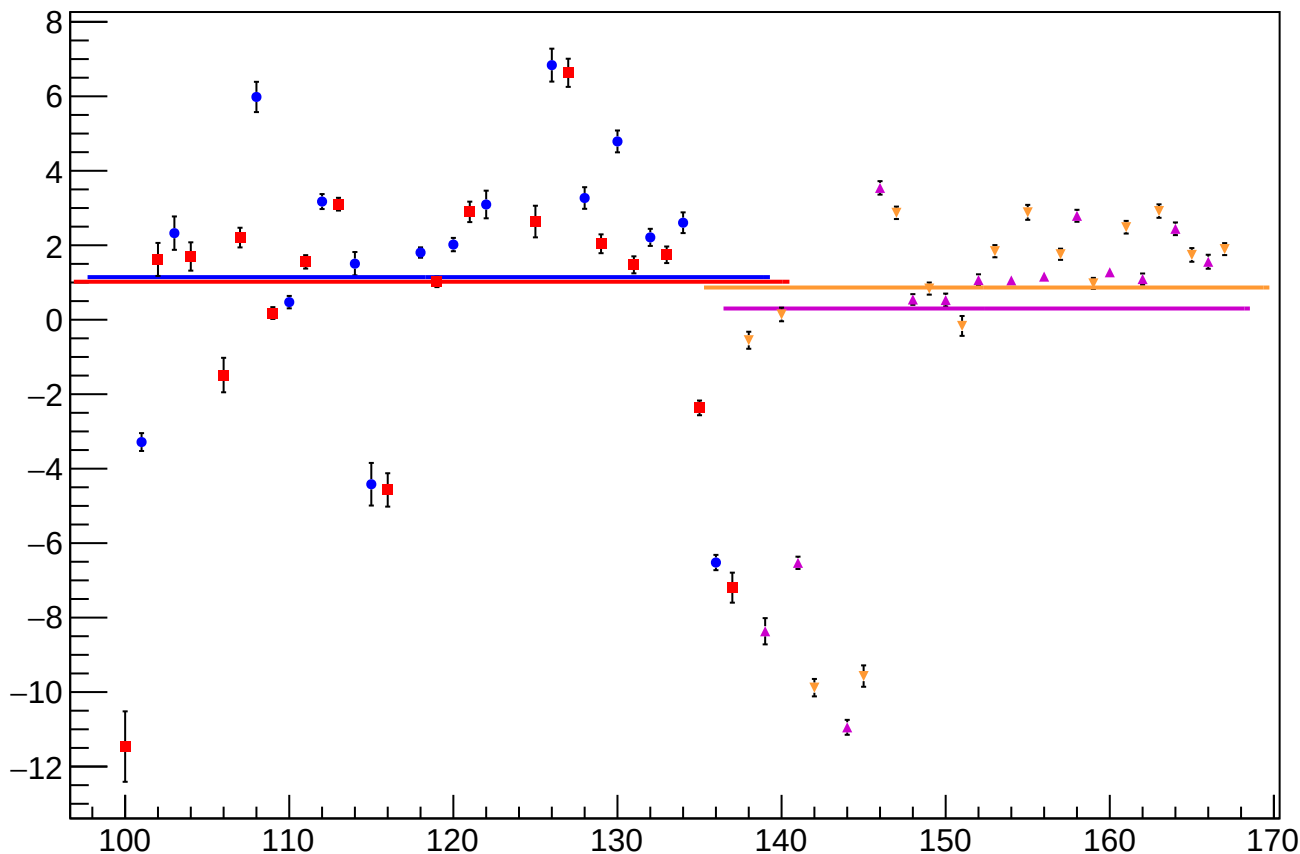
Left In: 5.880 ± 0.057 χ^2/NDF : 116978.4/13

+ sign 0.820 ± 0.042 χ^2/NDF : 205835.6/30

All: 0.907 ± 0.027 χ^2/NDF : 414856.4/62

- sign 0.970 ± 0.036 χ^2/NDF : 209013.3/31

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.144 $\pm$ 0.060 χ^2 /NDF: 2595.3/15

Left Out: 0.865 $\pm$ 0.047 χ^2 /NDF: 4094.8/14

Right Out: 1.021 $\pm$ 0.057 χ^2 /NDF: 1591.2/17

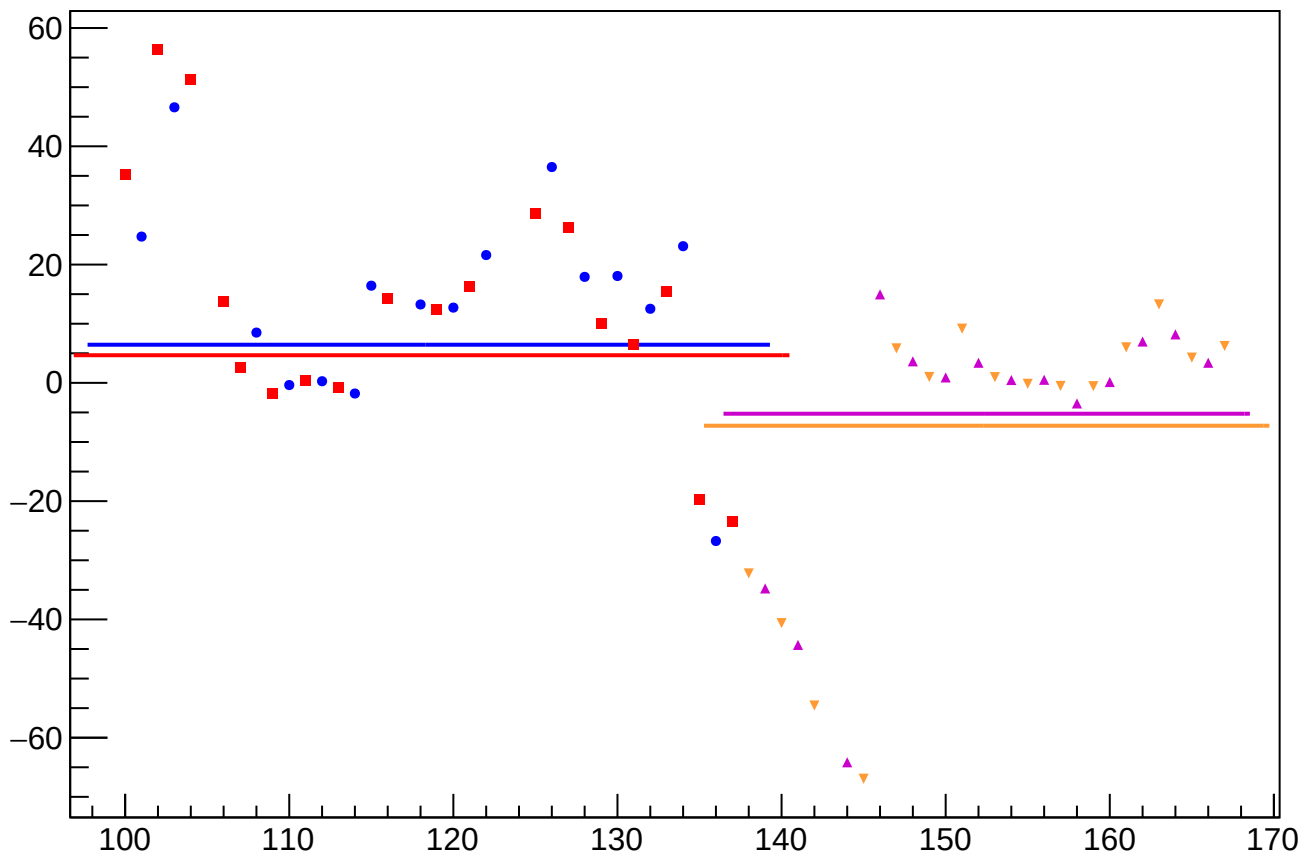
Left In: 0.301 $\pm$ 0.040 χ^2 /NDF: 6446.6/13

+ sign 0.971 $\pm$ 0.037 χ^2 /NDF: 6703.4/30

All: 0.731 $\pm$ 0.025 χ^2 /NDF: 14922.4/62

- sign 0.541 $\pm$ 0.033 χ^2 /NDF: 8143.6/31

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 6.448+/-0.065 χ^2/NDF : 70815.1/15

Left Out: -7.246+/-0.063 χ^2/NDF : 106960.2/14

Right Out: 4.671+/-0.059 χ^2/NDF : 74420.3/17

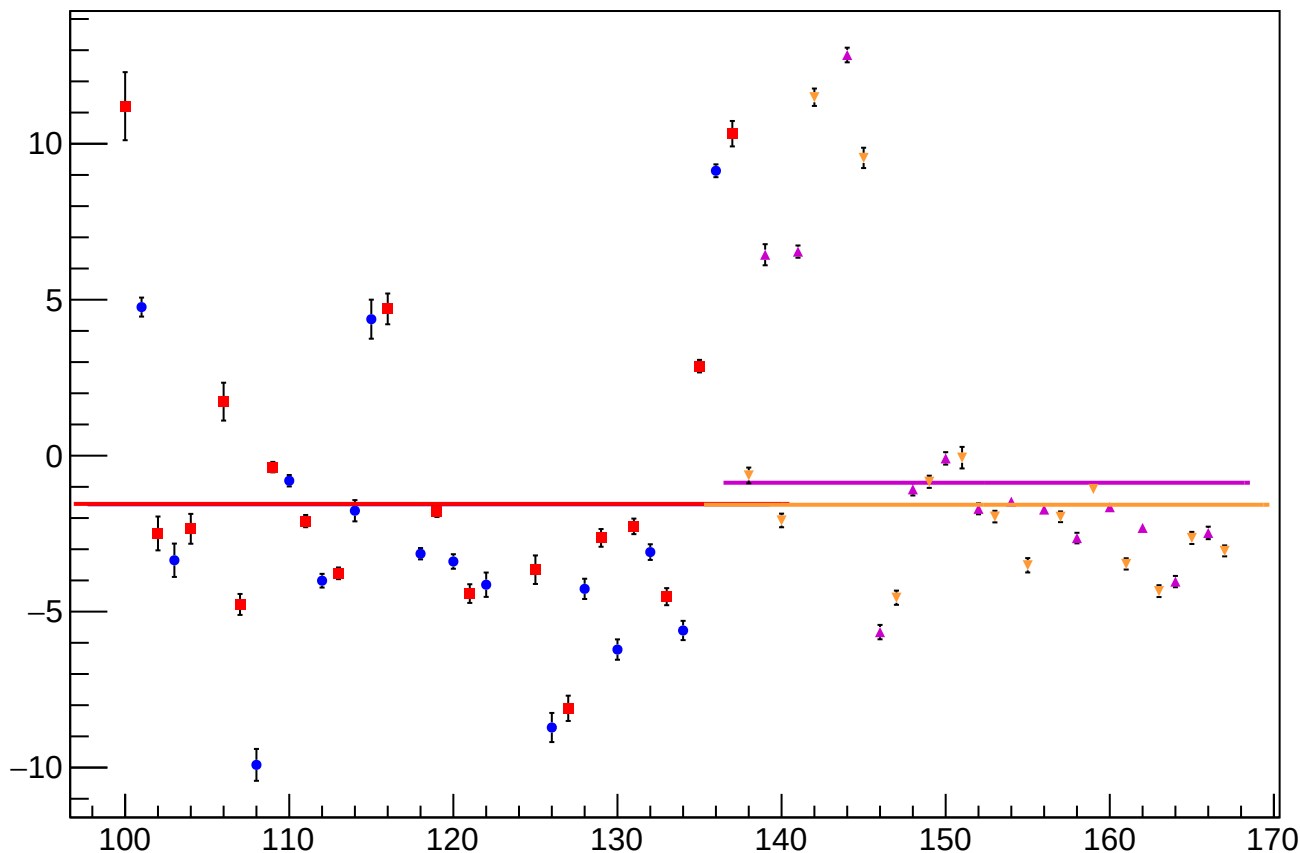
Left In: -5.218+/-0.054 χ^2/NDF : 115355.3/13

+ sign -0.580+/-0.045 χ^2/NDF : 200631.3/30

All: -0.634+/-0.030 χ^2/NDF : 405595.8/62

- sign -0.677+/-0.040 χ^2/NDF : 204961.9/31

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: -1.574 ± 0.053 χ^2/NDF : 4096.7/14

Right Out: -1.547 ± 0.064 χ^2/NDF : 2470.1/17

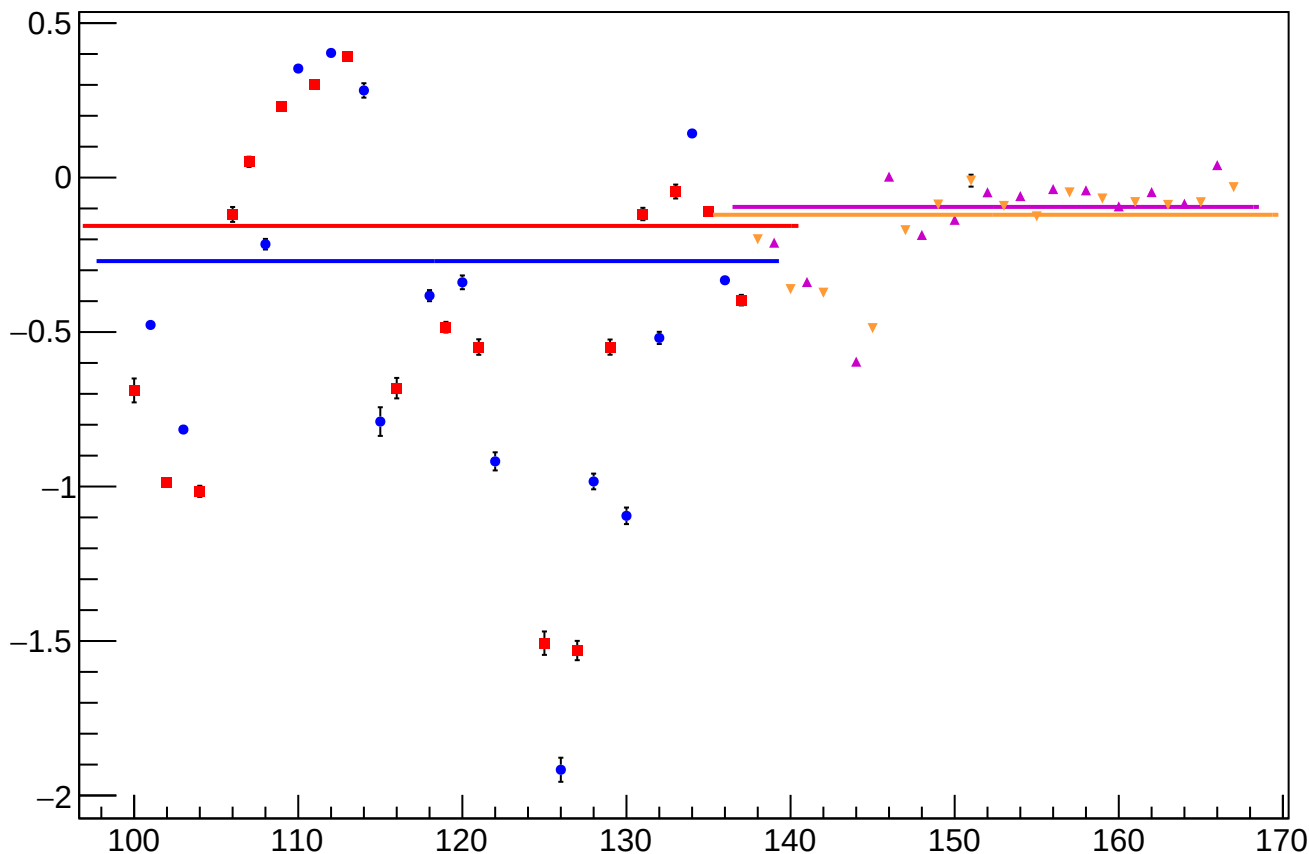
Left In: -0.868 ± 0.046 χ^2/NDF : 6447.9/13

+ sign -1.568 ± 0.042 χ^2/NDF : 8639.9/30

All: -1.302 ± 0.028 χ^2/NDF : 17702.1/62

- sign -1.095 ± 0.037 χ^2/NDF : 8991.7/31

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.004 χ^2/NDF : 12096.8/15

Left Out: -0.120 ± 0.002 χ^2/NDF : 2142.0/14

Right Out: -0.156 ± 0.004 χ^2/NDF : 15030.0/17

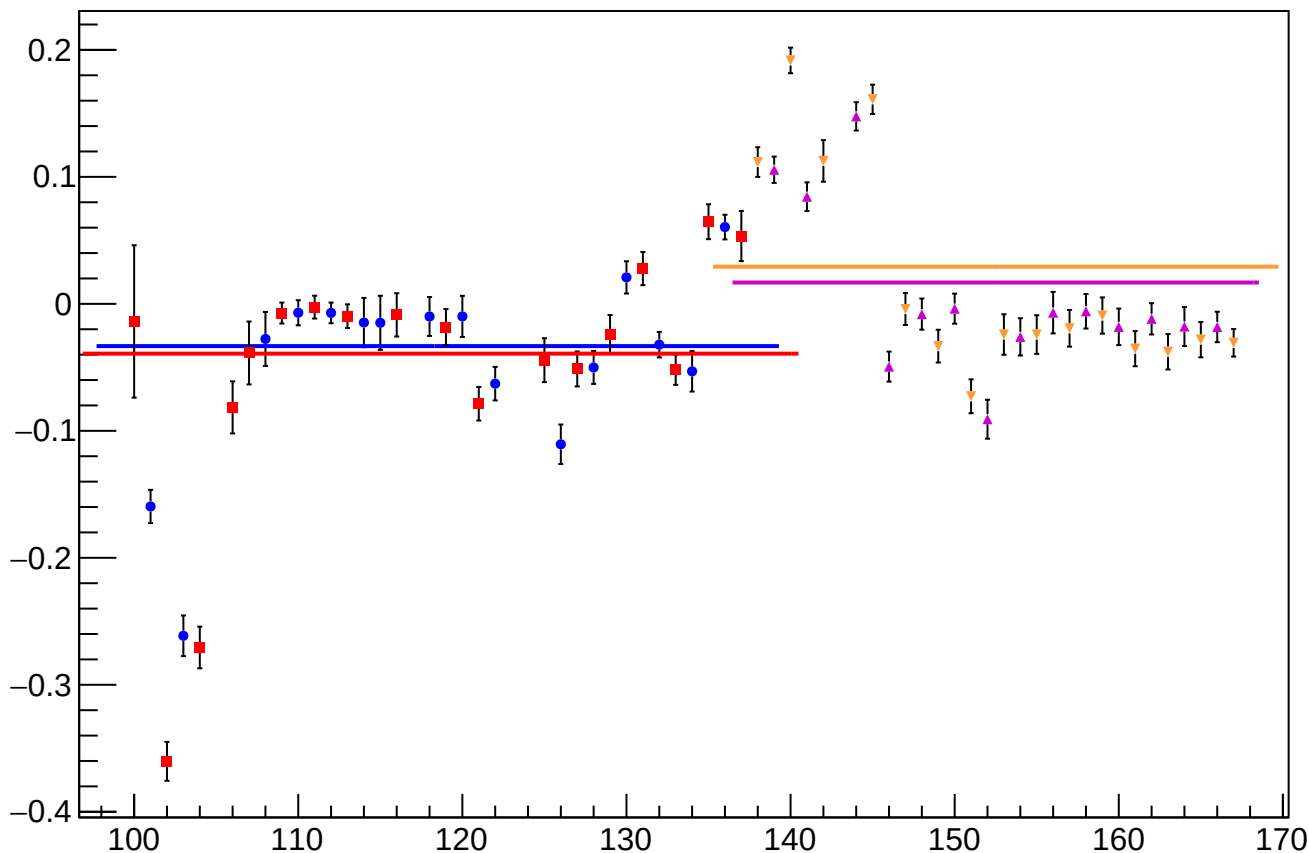
Left In: -0.095 ± 0.002 χ^2/NDF : 3230.5/13

+ sign -0.157 ± 0.002 χ^2/NDF : 15236.1/30

All: -0.128 ± 0.001 χ^2/NDF : 34035.1/62

- sign -0.108 ± 0.002 χ^2/NDF : 18468.4/31

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: 0.029 ± 0.003 χ^2/NDF : 690.1/14

Right Out: -0.039 ± 0.003 χ^2/NDF : 807.6/17

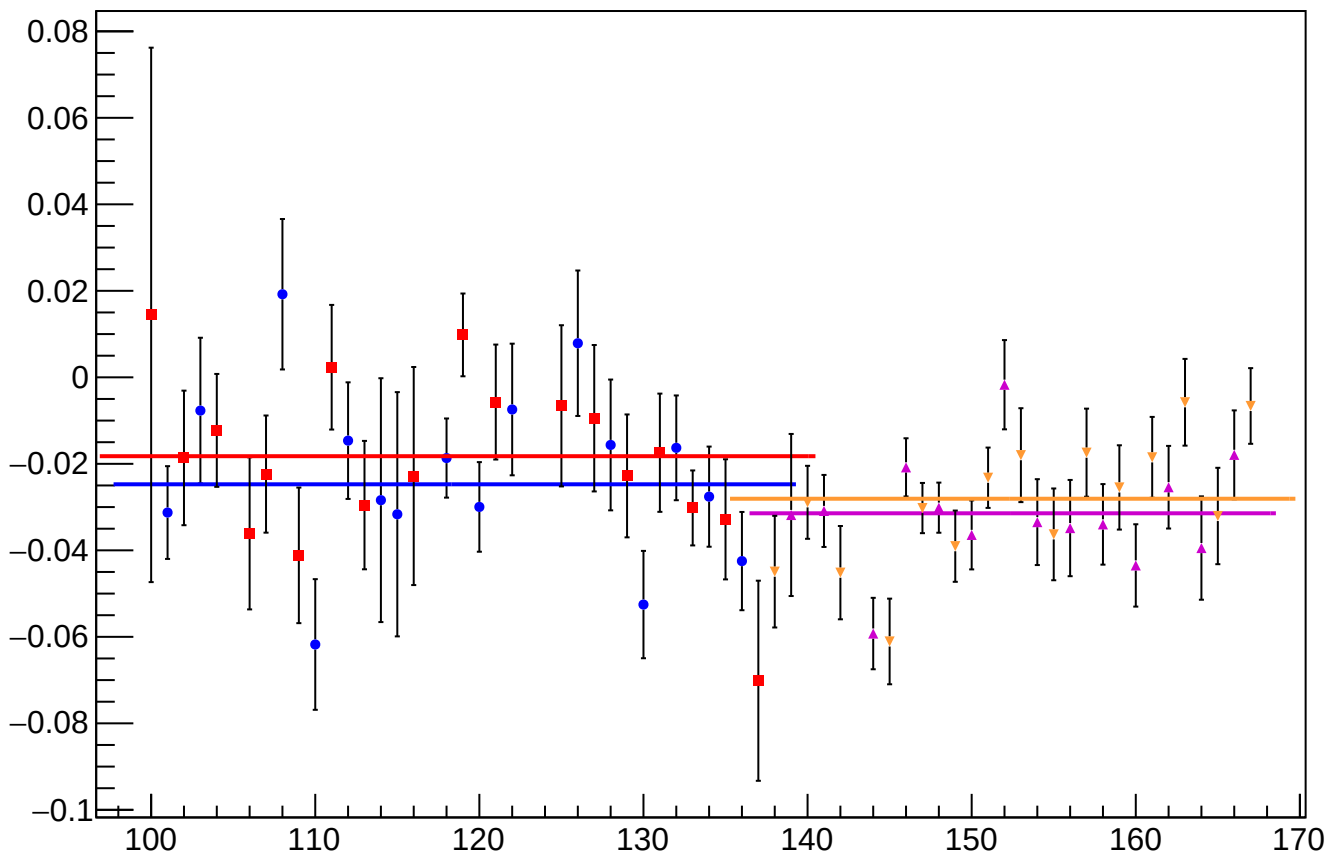
Left In: 0.017 ± 0.003 χ^2/NDF : 372.4/13

+ sign -0.003 ± 0.002 χ^2/NDF : 1334.3/30

All: -0.008 ± 0.002 χ^2/NDF : 2667.8/62

- sign -0.013 ± 0.002 χ^2/NDF : 1324.9/31

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: -0.028 ± 0.002 χ^2/NDF : 32.5/14

Right Out: -0.018 ± 0.003 χ^2/NDF : 24.7/17

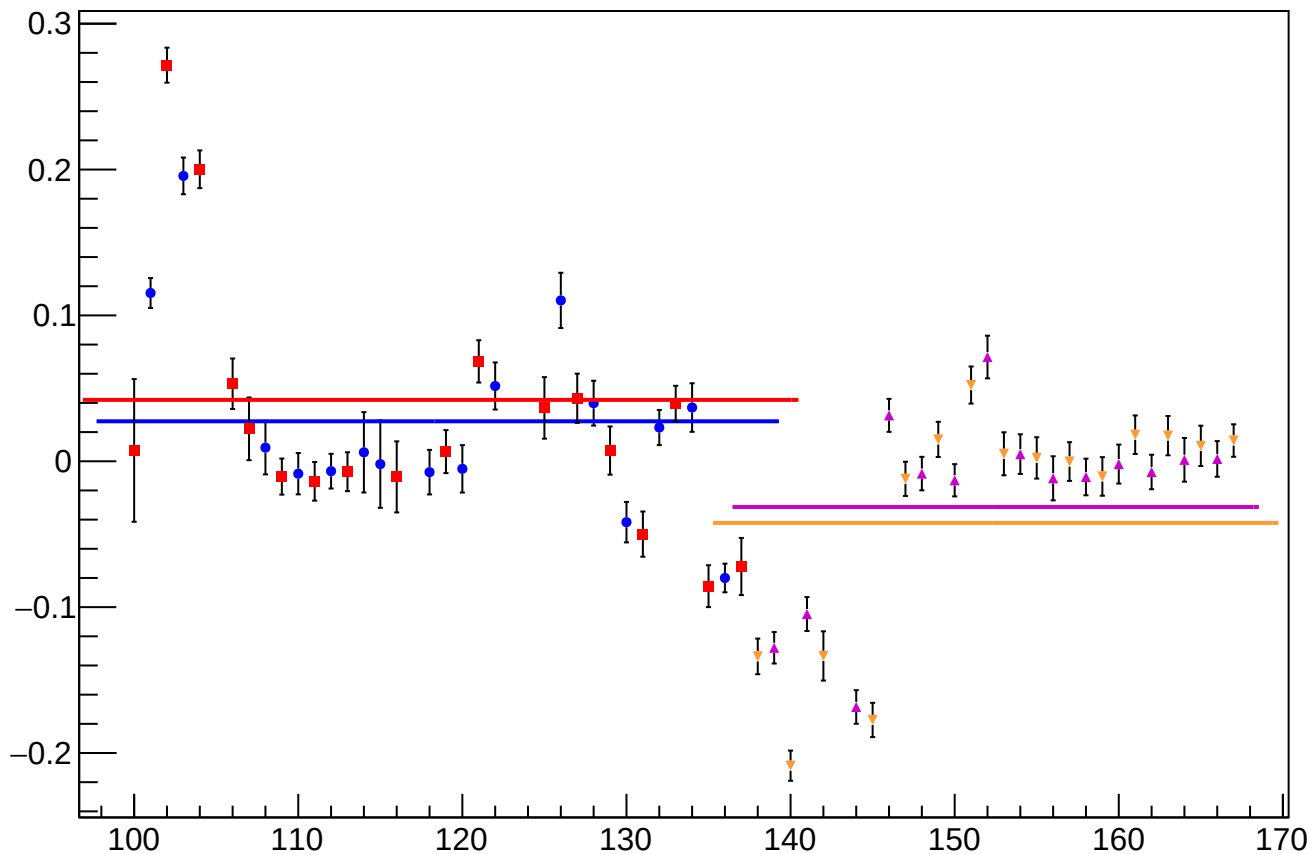
Left In: -0.031 ± 0.002 χ^2/NDF : 27.0/13

+ sign -0.027 ± 0.002 χ^2/NDF : 61.7/30

All: -0.027 ± 0.001 χ^2/NDF : 123.6/62

- sign -0.027 ± 0.002 χ^2/NDF : 61.9/31

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: -0.042 ± 0.003 χ^2/NDF : 677.3/14

Right Out: 0.042 ± 0.004 χ^2/NDF : 733.2/17

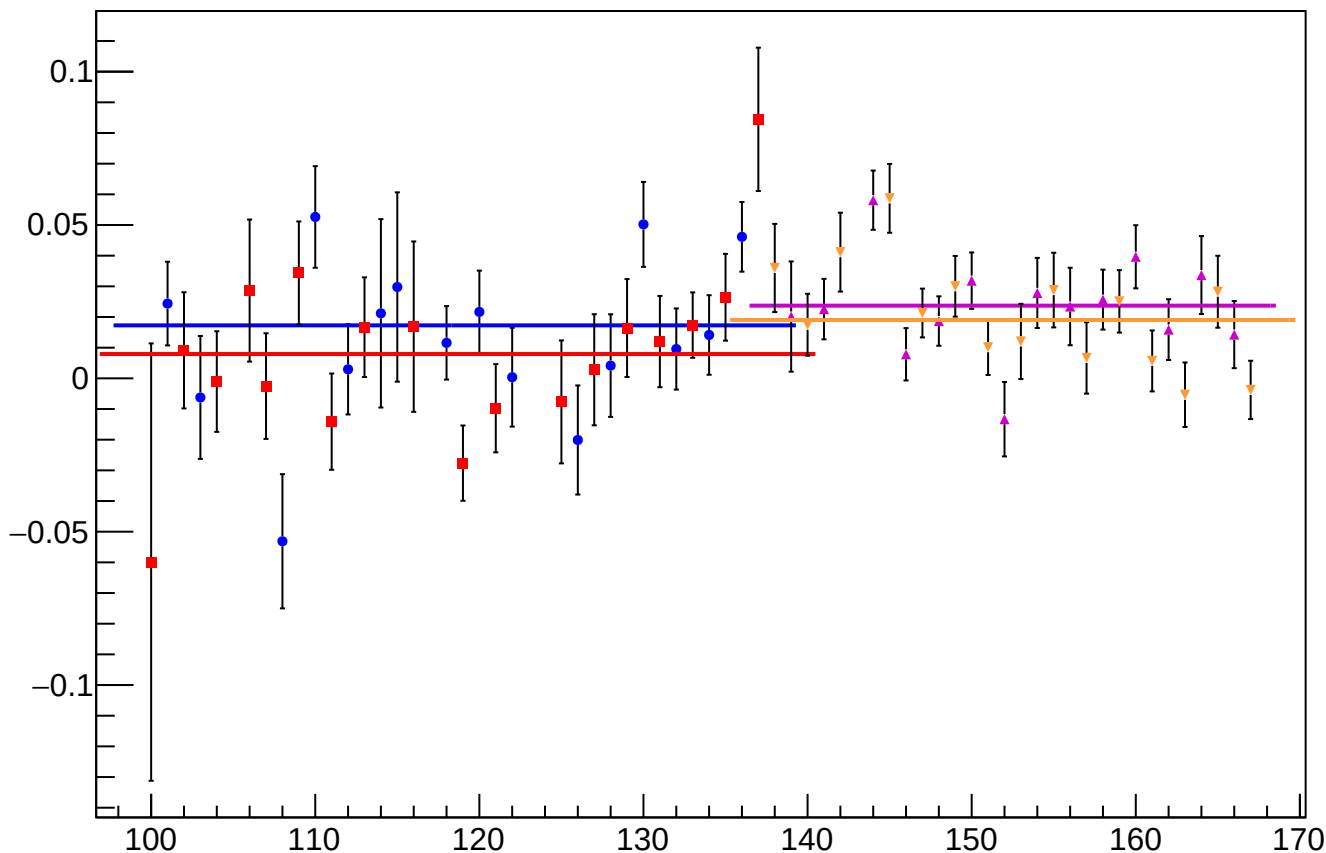
Left In: -0.031 ± 0.003 χ^2/NDF : 381.3/13

+ sign -0.010 ± 0.002 χ^2/NDF : 1329.2/30

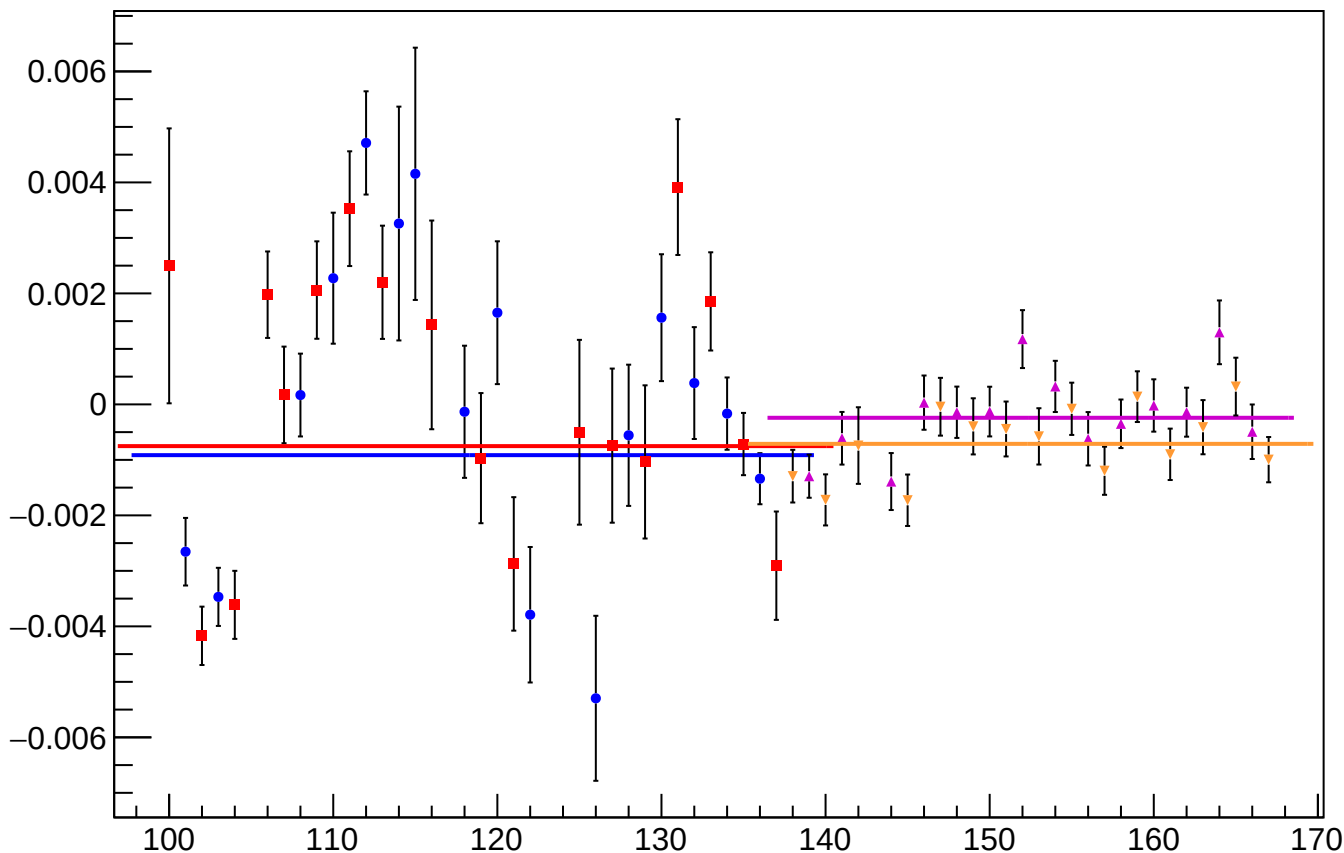
All: -0.004 ± 0.002 χ^2/NDF : 2679.6/62

- sign 0.002 ± 0.002 χ^2/NDF : 1338.0/31

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



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: -0.001 $\pm$ 0.000 χ^2 /NDF: 25.0/14

Right Out: -0.001 $\pm$ 0.000 χ^2 /NDF: 147.6/17

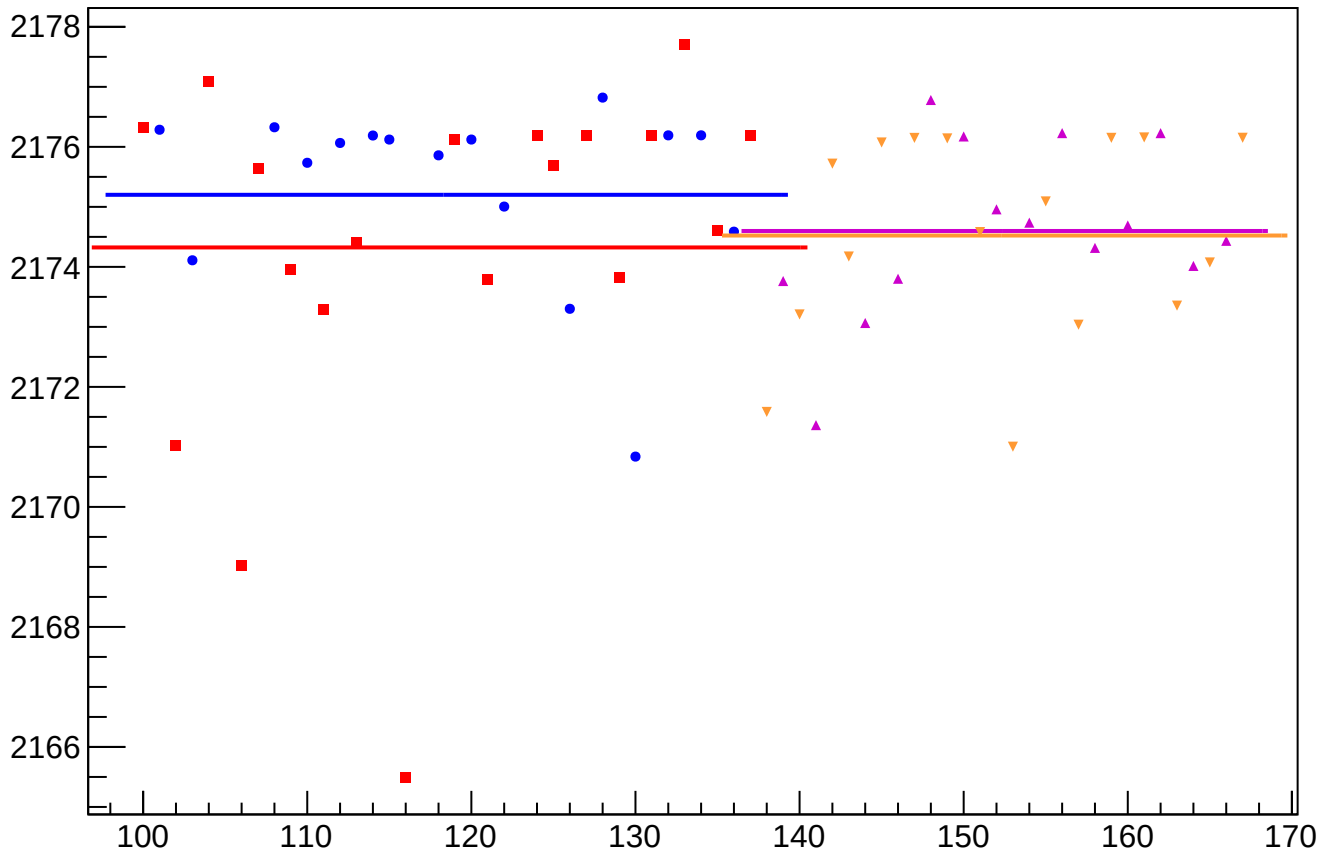
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.7/13

+ sign -0.001 $\pm$ 0.000 χ^2 /NDF: 139.8/30

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 328.8/62

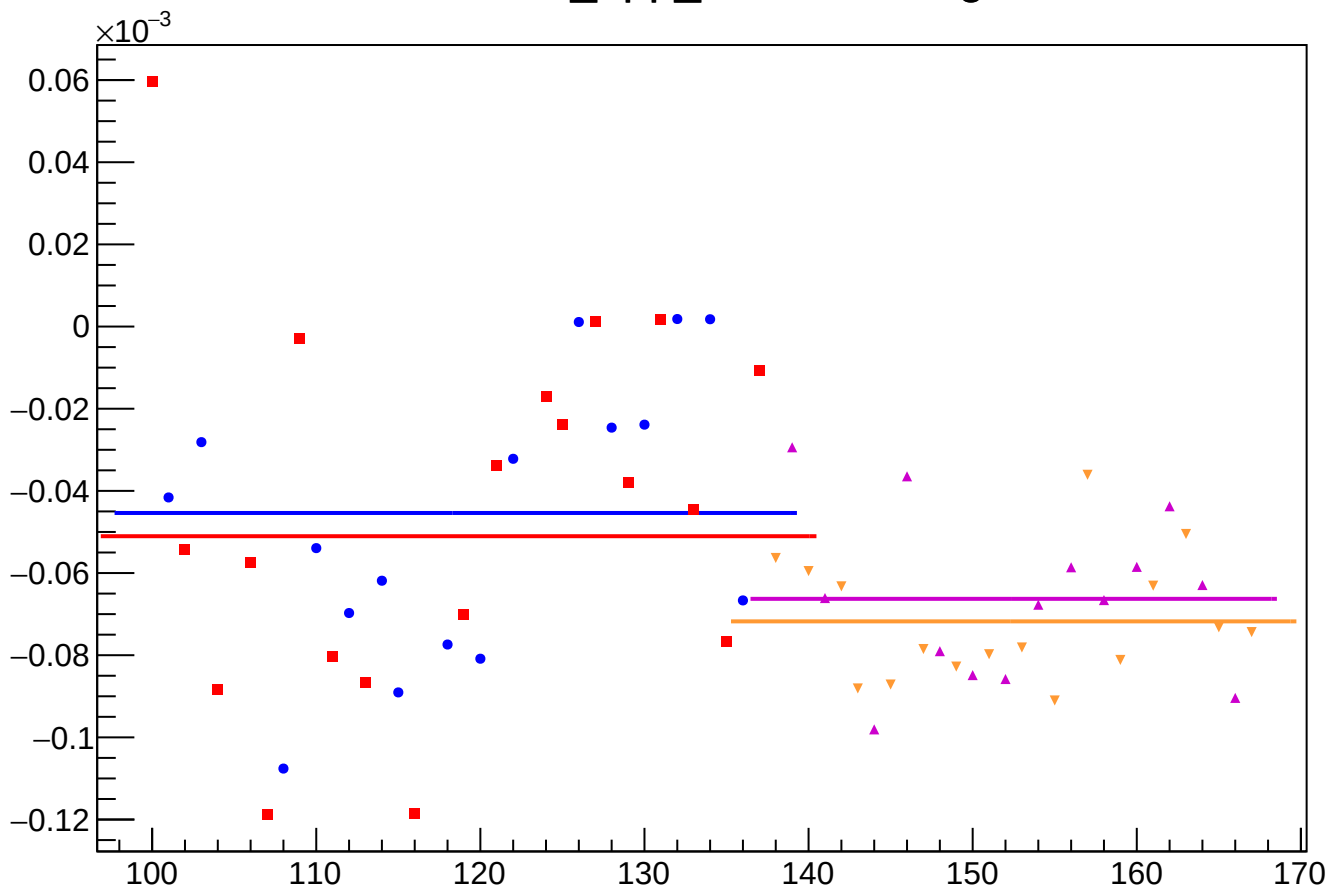
- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 182.5/31

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000	χ^2/NDF : 1765724072923660180937051331362816.0/15	+ sign 2174.767+/-0.000	χ^2/NDF : 57060063194380
Left Out: 2174.523+/-0.000	χ^2/NDF : 3722011165331419227046475127062528.0/15	All: 2174.632+/-0.000	χ^2/NDF : 13808703111
Right Out: 2174.324+/-0.000	χ^2/NDF : 5542239415681046928723527201718272.0/18	- sign 2174.492+/-0.000	χ^2/NDF : 80265989688250
Left In: 2174.598+/-0.000	χ^2/NDF : 2449253142524752629159596304367616.0/13		

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 : 296148773647953527046144.0/15

Right Out: -0.000+/-0.000 χ^2/NDF : 1011955910720647101153280.0/18

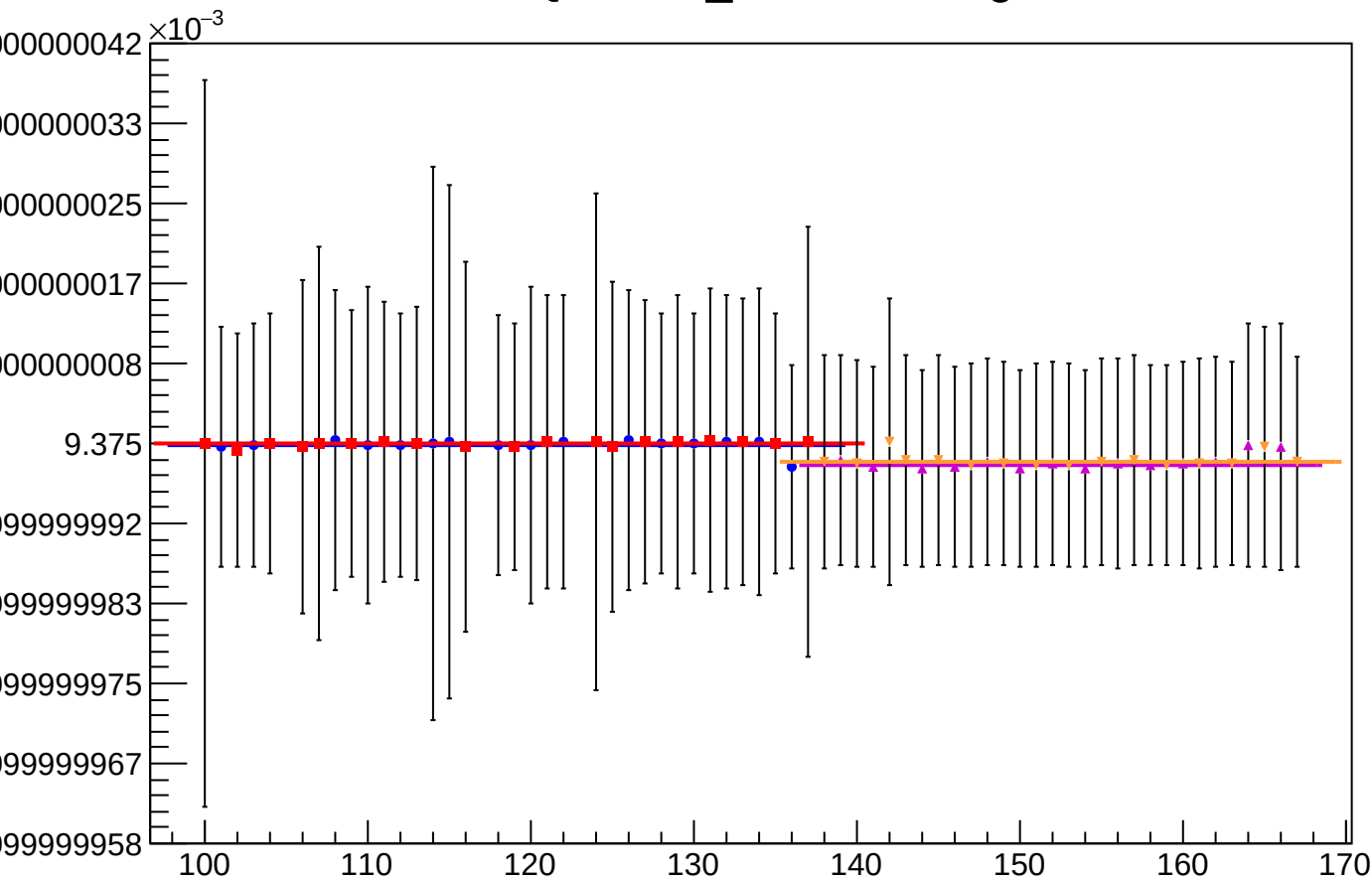
Left In: -0.000+/-0.000 χ^2/NDF : 461334374092909997719552.0/13

+ sign -0.000+/-0.000 χ^2/NDF : 1339427739408415

All: -0.000+/-0.000 χ^2/NDF : 2924777147807

- sign -0.000+/-0.000 χ^2/NDF : 15816856280304960

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:0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

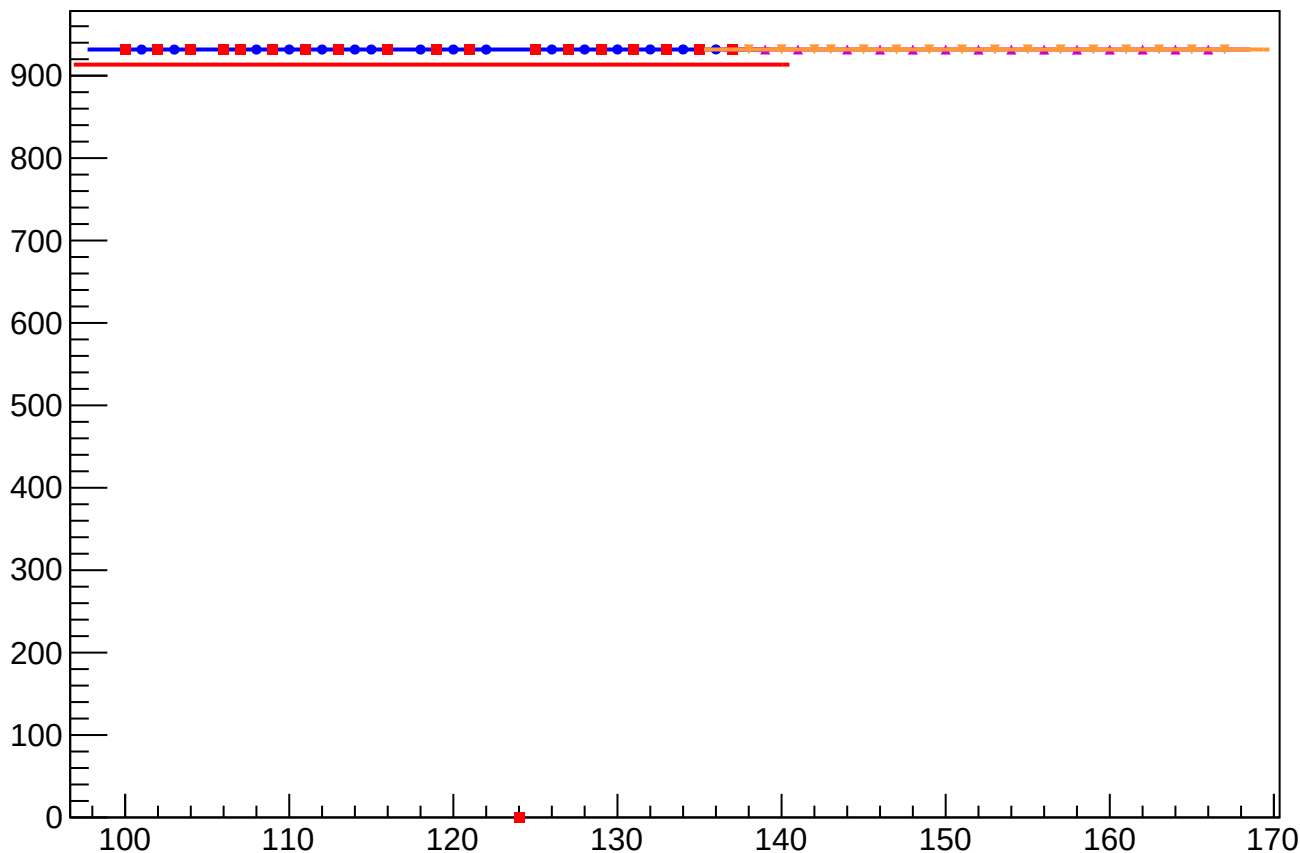
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/64

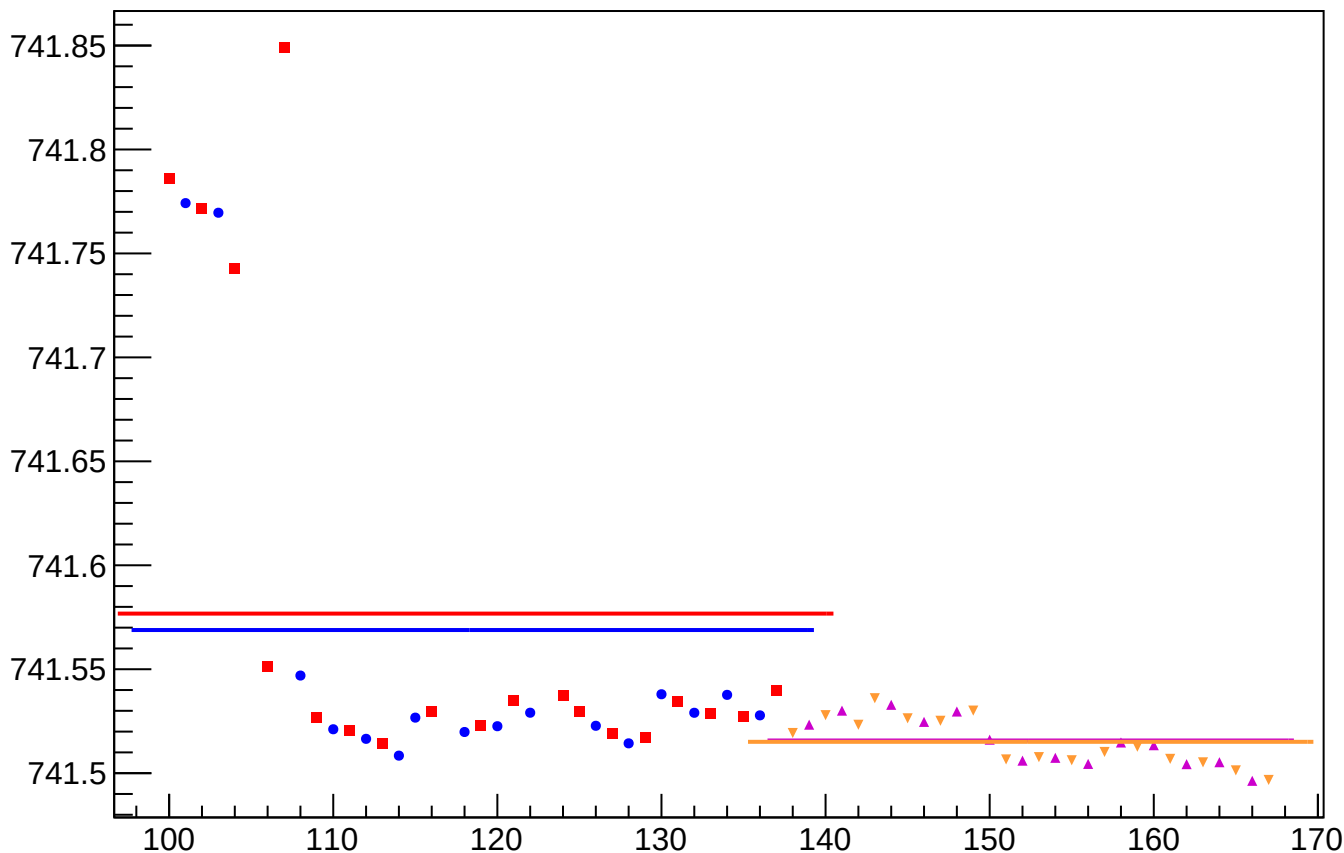
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF : 2757217223595001187167685836800.0/15
 Left Out: 931.785+/-0.000 χ^2/NDF : 4152073808641527981143805132800.0/15
 Right Out: 913.447+/-0.000 χ^2/NDF : 12765879635094435683491886518824337408.0/18
 Left In: 931.773+/-0.000 χ^2/NDF : 3649375697228325688564229603328.0/13
 All: 928.299+/-0.000 χ^2/NDF : 129736086130
 + sign 931.779+/-0.000 χ^2/NDF : 703321977396103
 - sign 924.650+/-0.000 χ^2/NDF : 129225336062967

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF : 6432951176127947061938899386368.0/15

Left Out: 741.515+/-0.000 χ^2/NDF : 170299009822325698651161100288.0/15

Right Out: 741.577+/-0.000 χ^2/NDF : 7692263947892614711537477615616.0/18

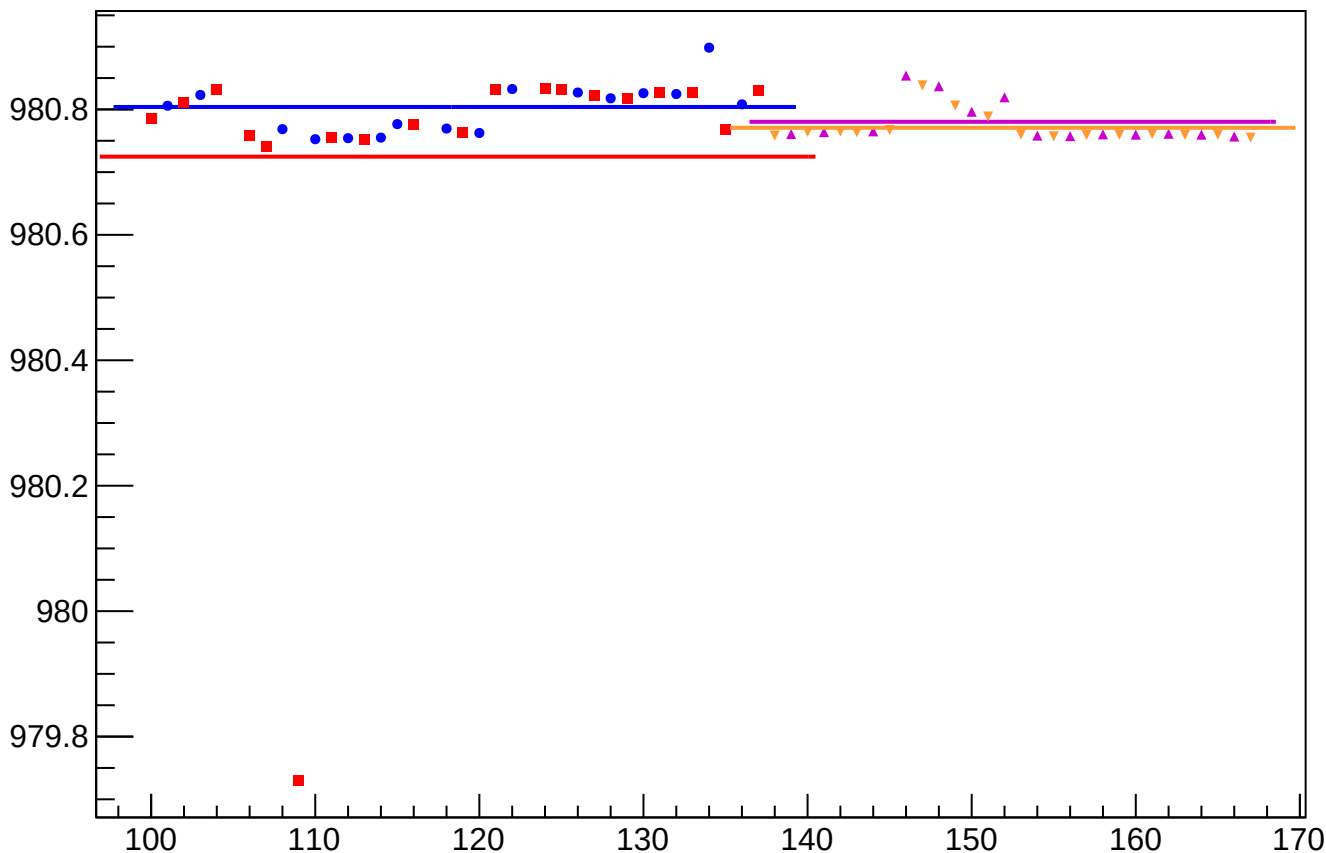
Left In: 741.516+/-0.000 χ^2/NDF : 143116889875194629081060605952.0/13

+ sign 741.534+/-0.000 χ^2/NDF : 797419184672627

All: 741.537+/-0.000 χ^2/NDF : 175722045392

- sign 741.539+/-0.000 χ^2/NDF : 957289401914514

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804 $\pm$ 0.000 χ^2 /NDF: 933313276884807786774245933056.0/15

Left Out: 980.771 $\pm$ 0.000 χ^2 /NDF: 659705009563410284689970167808.0/15

Right Out: 980.725 $\pm$ 0.000 χ^2 /NDF: 56040205617358336221662876270592.0/18

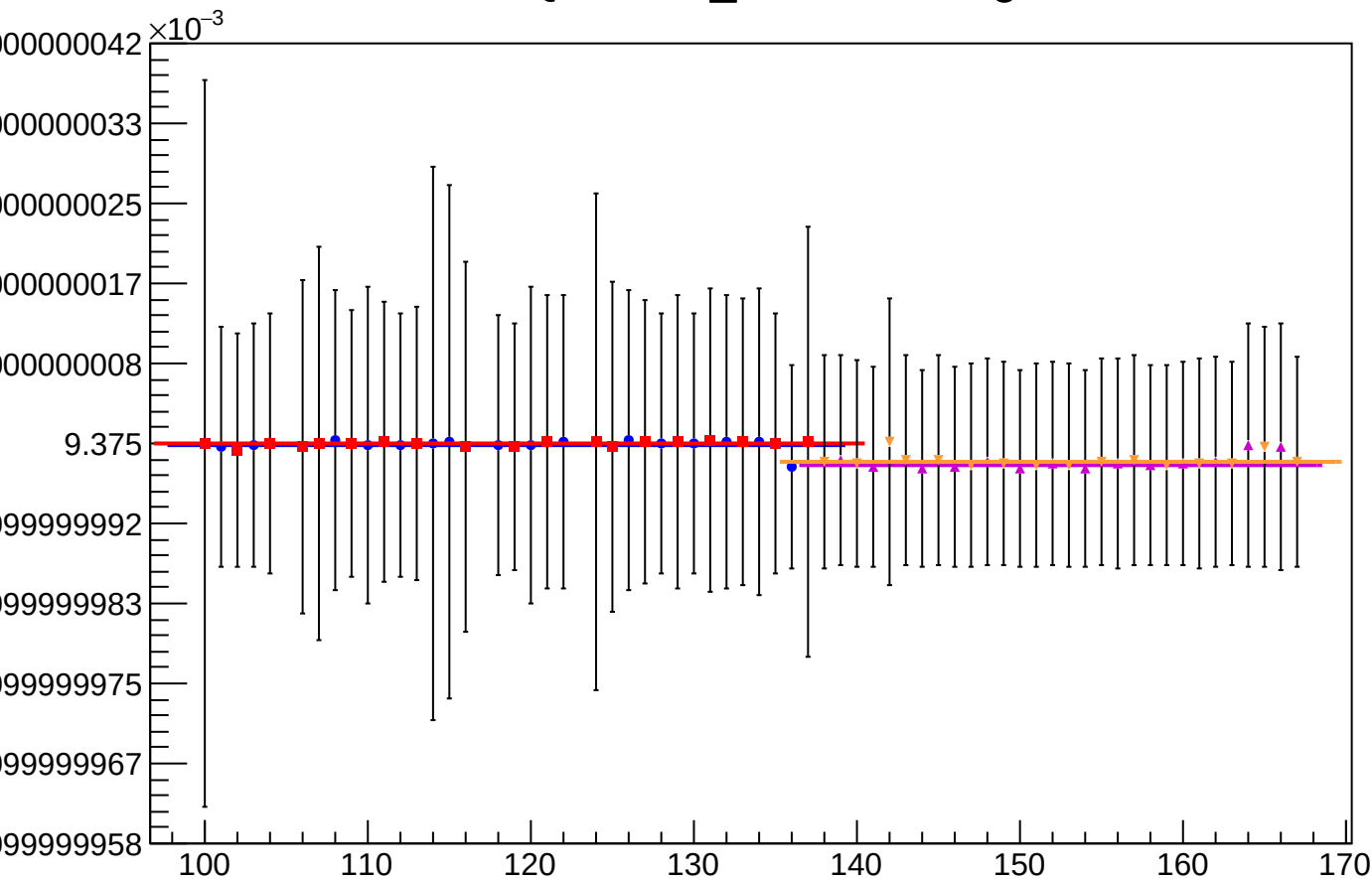
Left In: 980.780 $\pm$ 0.000 χ^2 /NDF: 1264722103280795340509601071104.0/13

+ sign 980.783 $\pm$ 0.000 χ^2 /NDF: 211588896623456

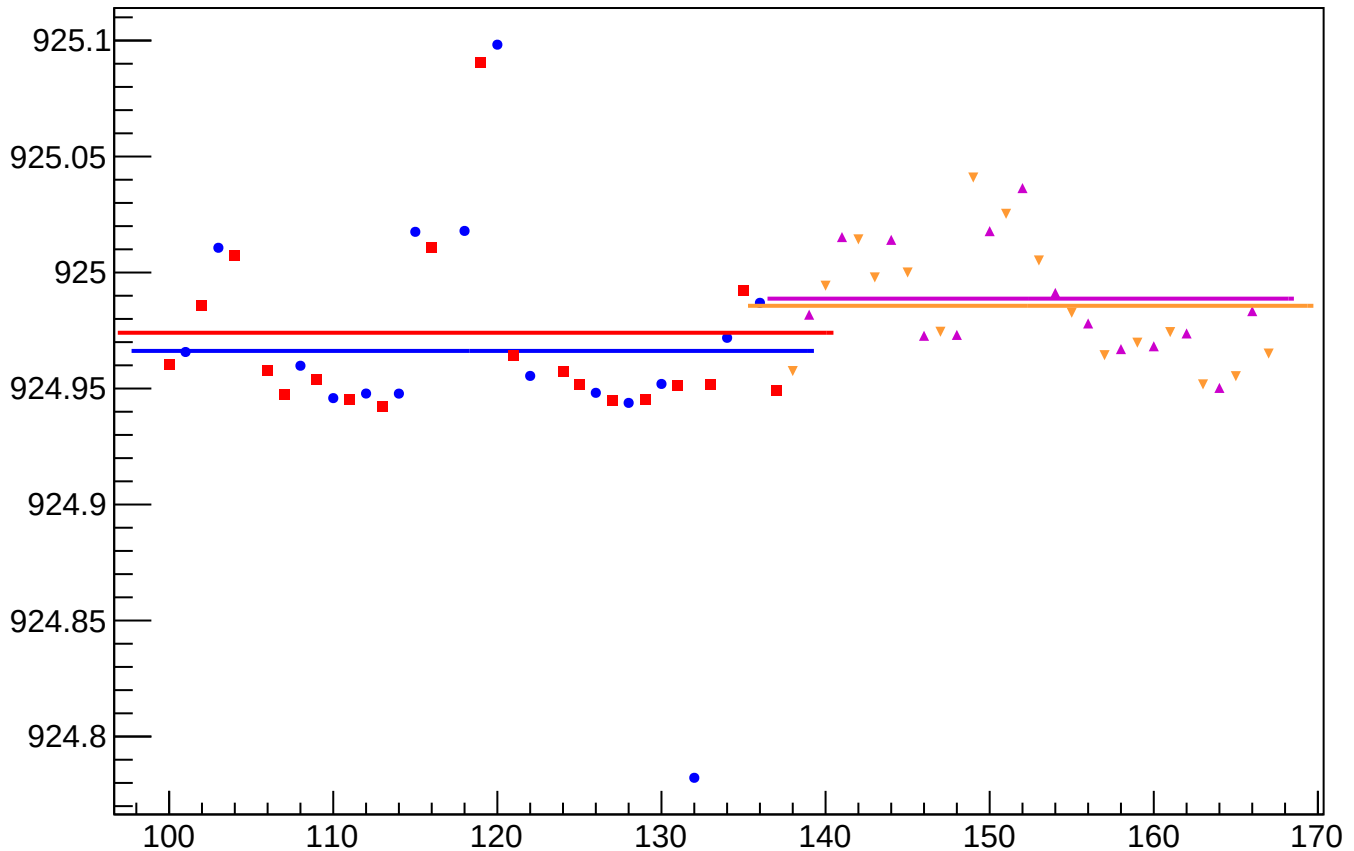
All: 980.771 $\pm$ 0.000 χ^2 /NDF: 614401517647

- sign 980.759 $\pm$ 0.000 χ^2 /NDF: 587460216094458

MQ172RM_mean vs Slug



HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966 $\pm$ 0.000 χ^2 /NDF: 2544370508087658800533037121536.0/15

Left Out: 924.986 $\pm$ 0.000 χ^2 /NDF: 861657556194992172256785858560.0/15

Right Out: 924.974 $\pm$ 0.000 χ^2 /NDF: 1241981521116890900236351832064.0/18

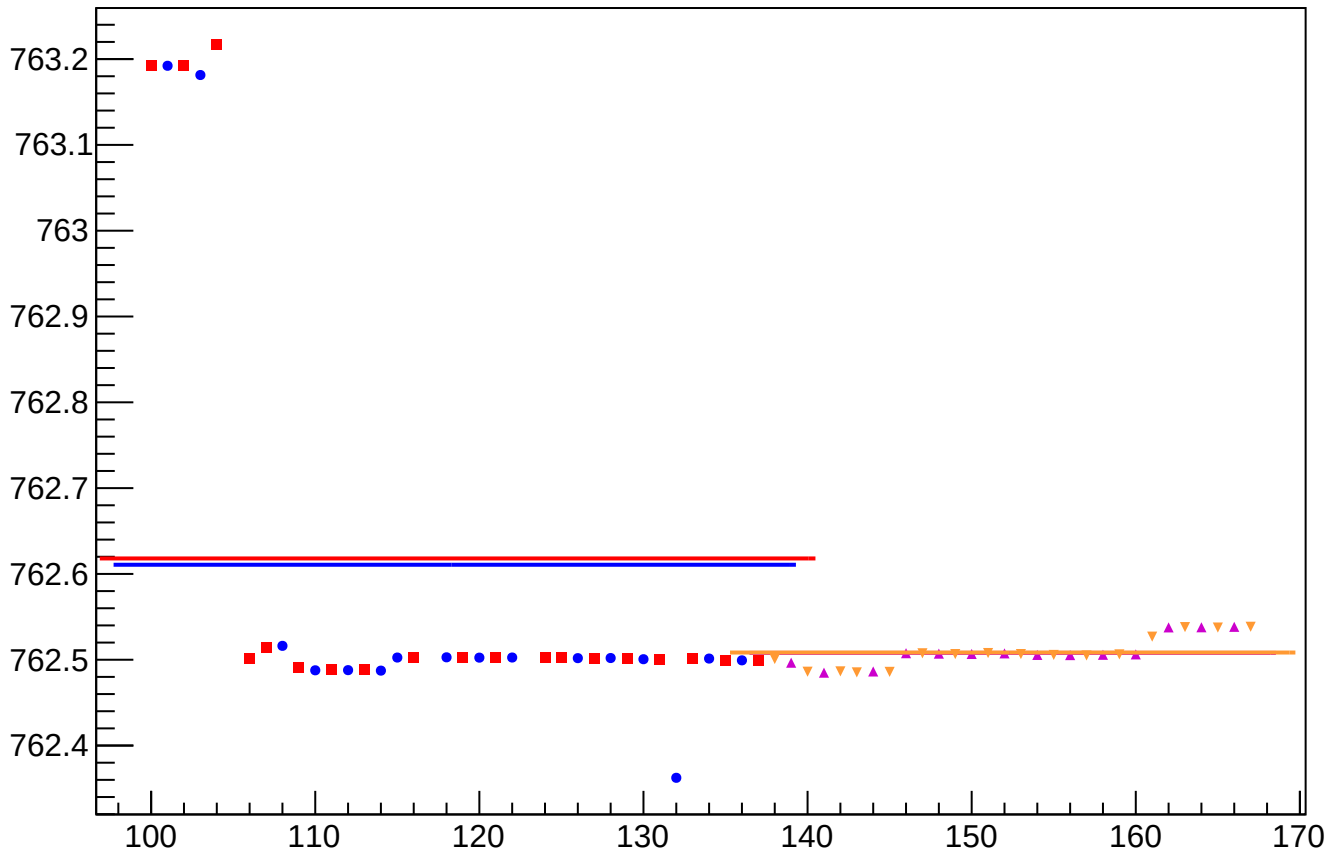
Left In: 924.989 $\pm$ 0.000 χ^2 /NDF: 662107484946611518905218236416.0/13

+ sign 924.979 $\pm$ 0.000 χ^2 /NDF: 358536868963830

All: 924.981 $\pm$ 0.000 χ^2 /NDF: 560945432523

- sign 924.983 $\pm$ 0.000 χ^2 /NDF: 200489672446338

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF : 52161453489138778834460408283136.0/15

Left Out: 762.508+/-0.000 χ^2/NDF : 396575401148271840222647418880.0/15

Right Out: 762.618+/-0.000 χ^2/NDF : 53134338532630395841297843748864.0/18

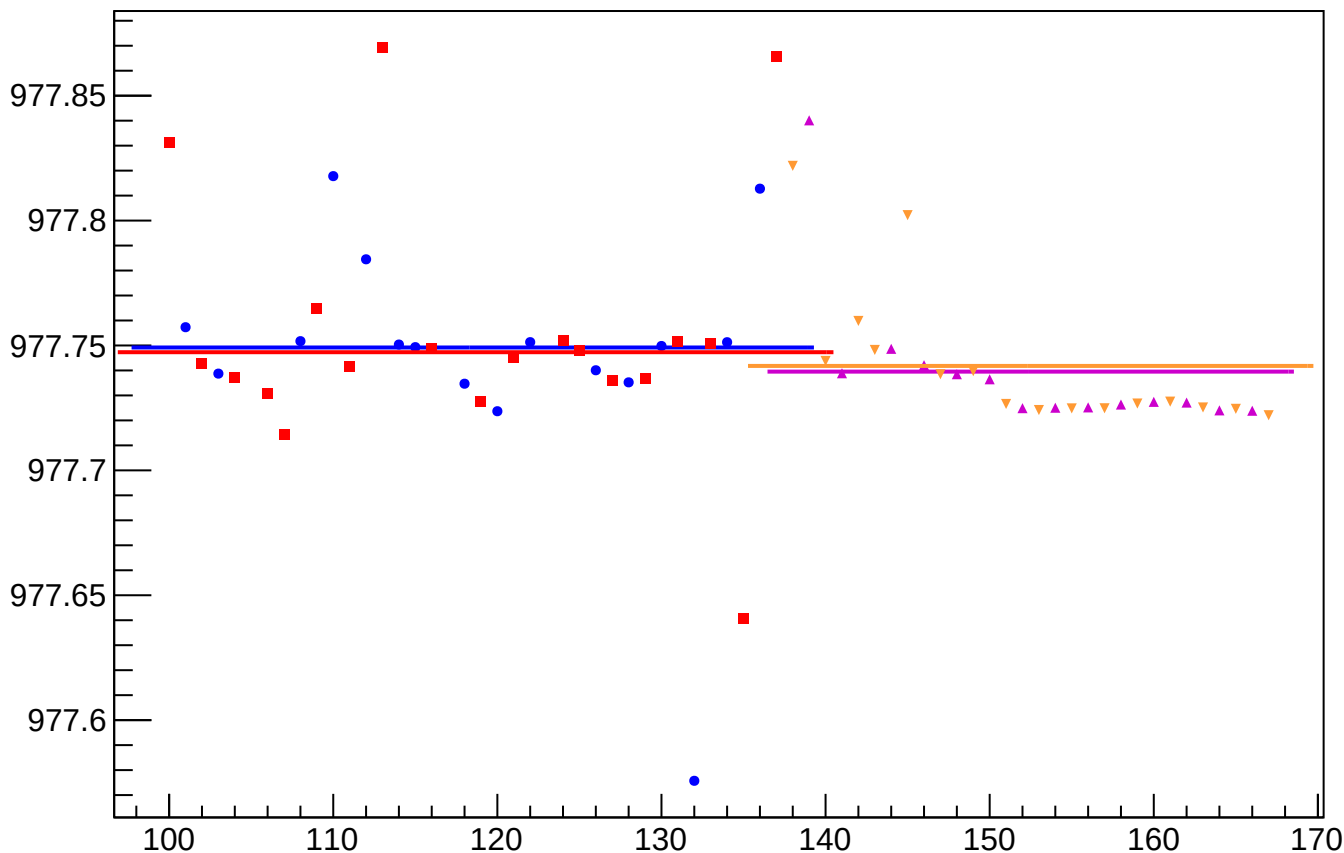
Left In: 762.508+/-0.000 χ^2/NDF : 293166227788396317593625952256.0/13

+ sign 762.545+/-0.000 χ^2/NDF : 575192722046145

All: 762.548+/-0.000 χ^2/NDF : 116631208830

- sign 762.551+/-0.000 χ^2/NDF : 590815512001723

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749 ± 0.000 $\chi^2/\text{NDF}: 1959578331072316074448224518144.0/15$

Left Out: 977.742 ± 0.000 $\chi^2/\text{NDF}: 1056450854609189423417082773504.0/15$

Right Out: 977.747 ± 0.000 $\chi^2/\text{NDF}: 1782226877816914726327966236672.0/18$

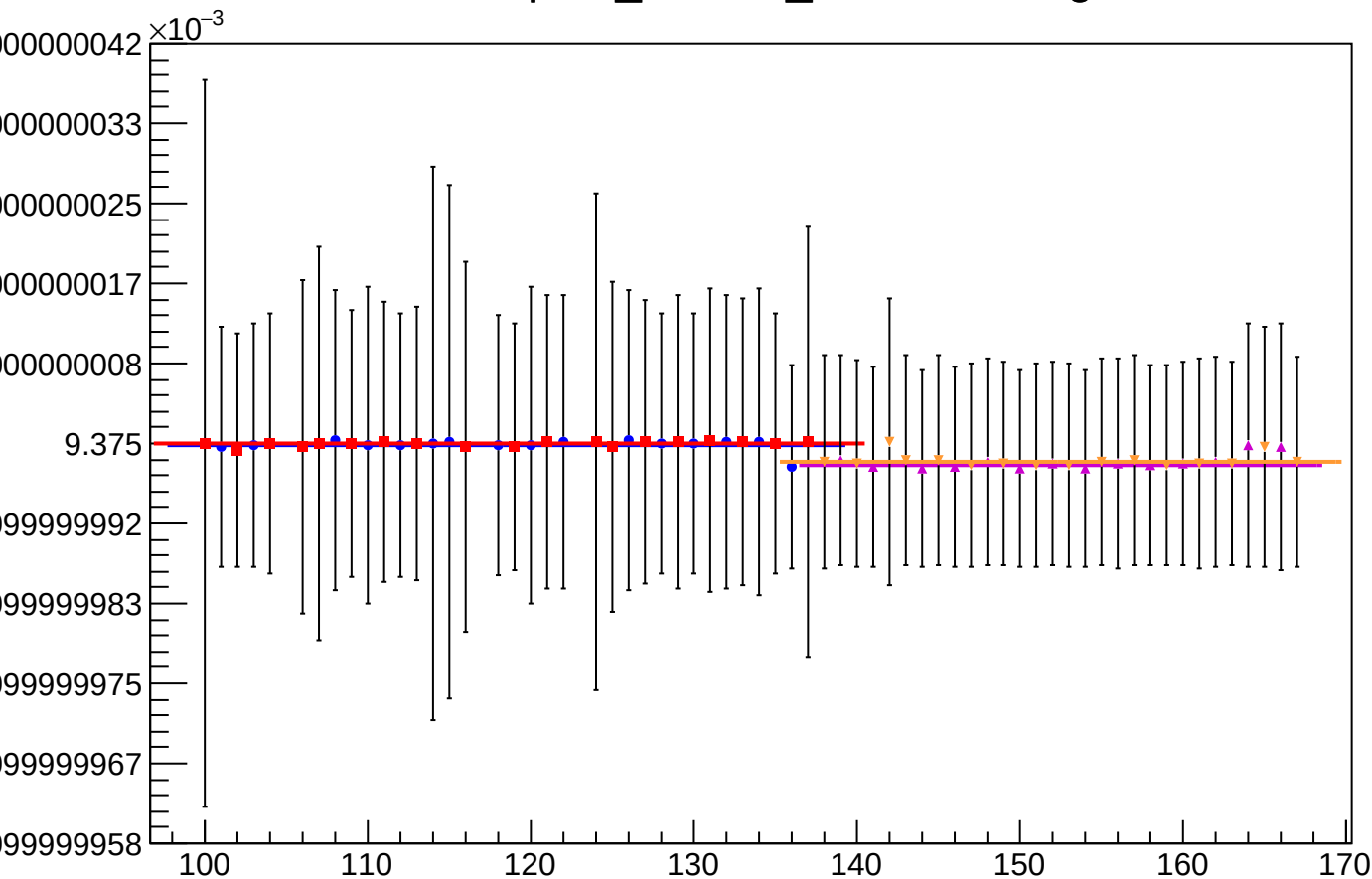
Left In: 977.740 ± 0.000 $\chi^2/\text{NDF}: 987742420834764853841902960640.0/13$

+ sign 977.744 ± 0.000 $\chi^2/\text{NDF}: 304185421757553$

All: 977.744 ± 0.000 $\chi^2/\text{NDF}: 584371089290$

- sign 977.743 ± 0.000 $\chi^2/\text{NDF}: 279815946445620$

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:0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

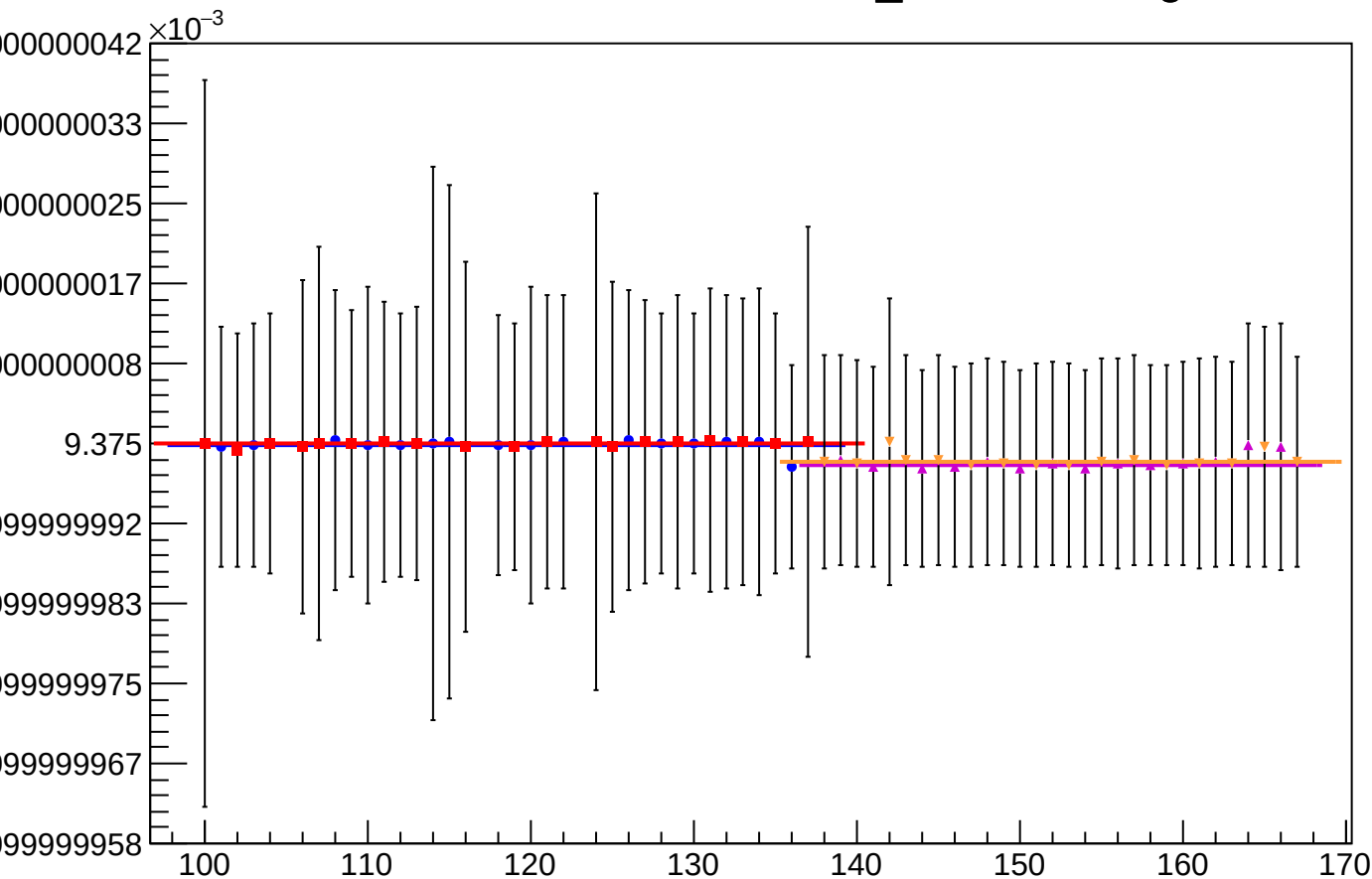
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

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: 0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

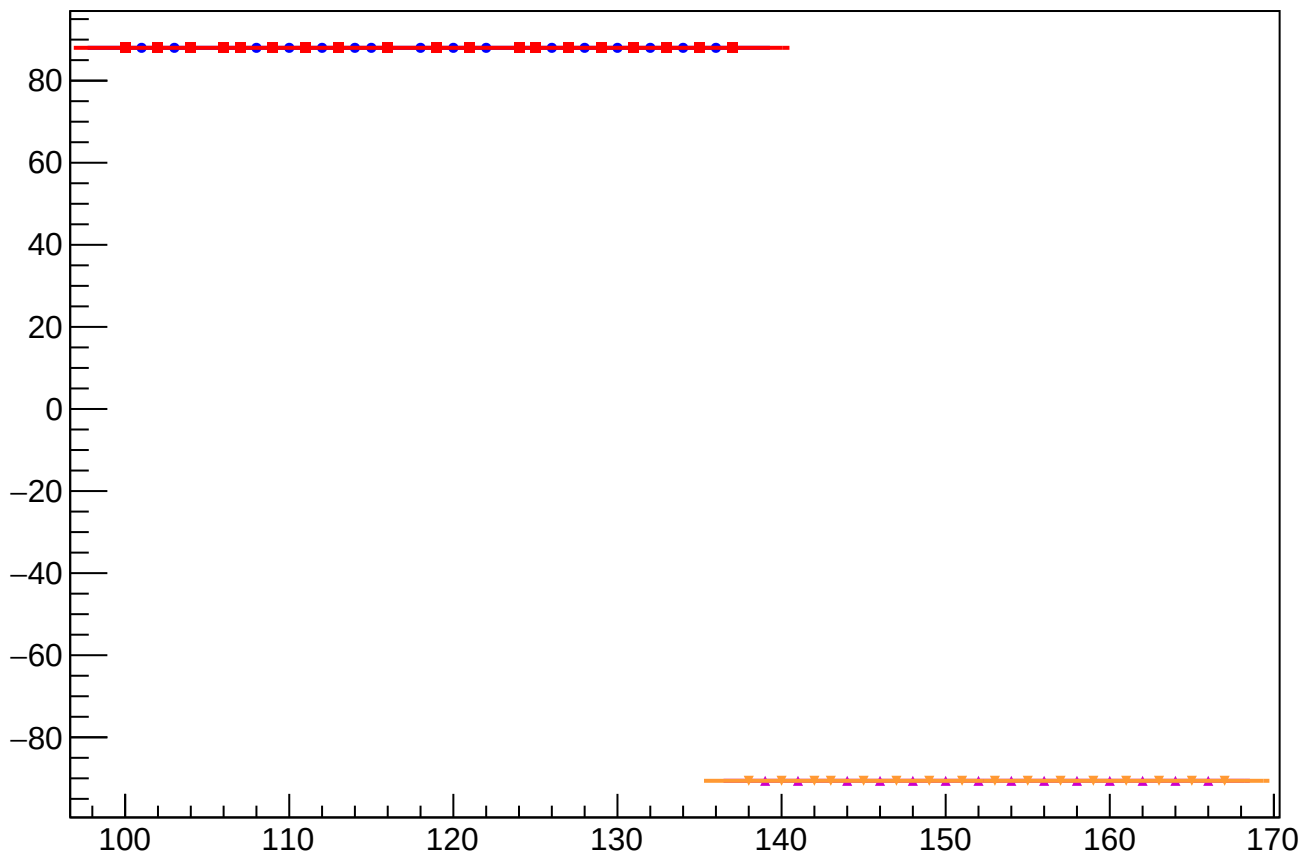
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 150072.7/15

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 4492342.0/15

Right Out: 88.003 $\pm$ 0.000 χ^2/NDF : 73227058941379664360176091136.0/18

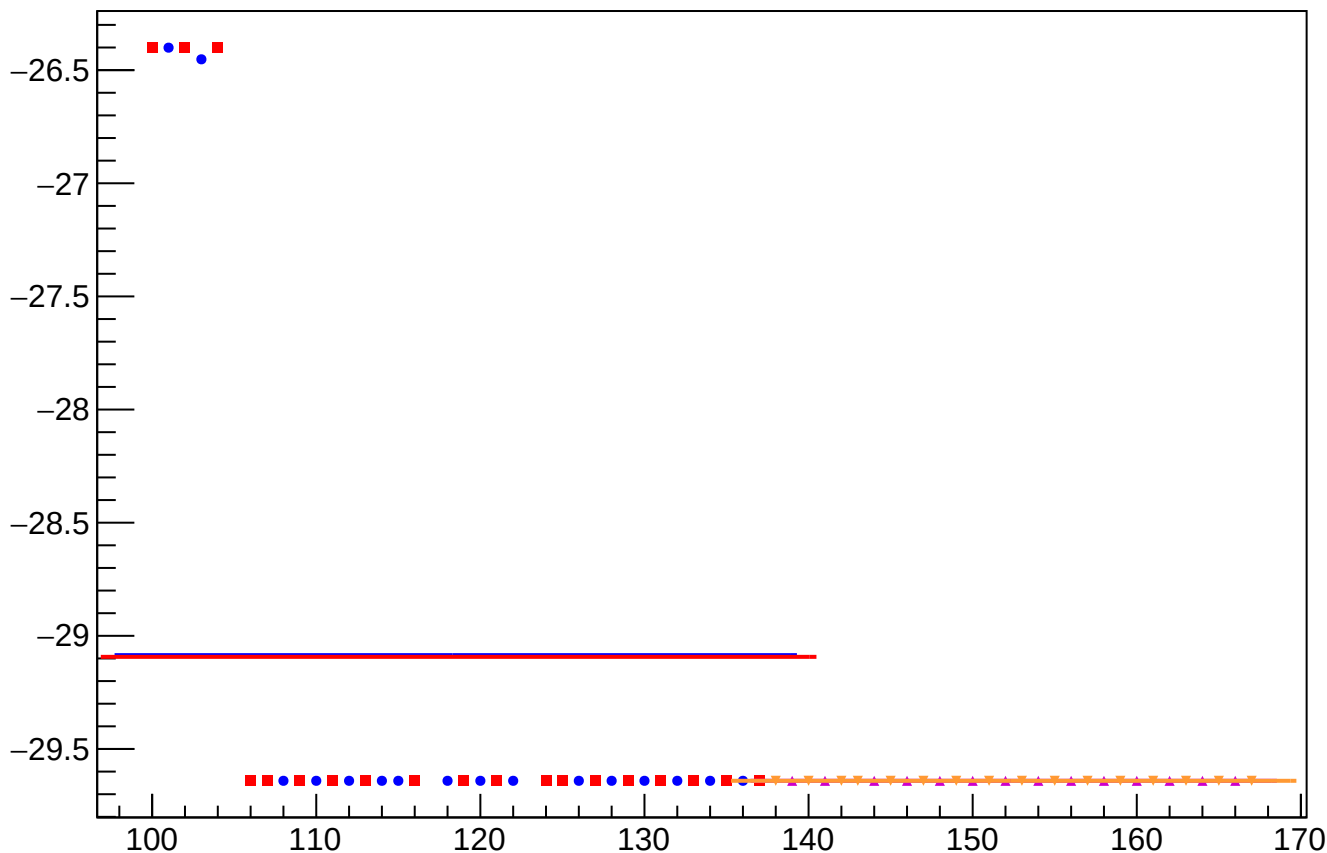
Left In: -90.599 $\pm$ 0.000 χ^2/NDF : 4602201.9/13

+ sign -26.293 $\pm$ 0.000 χ^2/NDF : 151259103353352

All: -23.796 $\pm$ 0.000 χ^2/NDF : 300307763300

- sign -21.178 $\pm$ 0.000 χ^2/NDF : 1487858204532204

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 :191838.4/15

Right Out: -29.093+/-0.000 χ^2/NDF : 1125238156749692849797805899776000.0/18

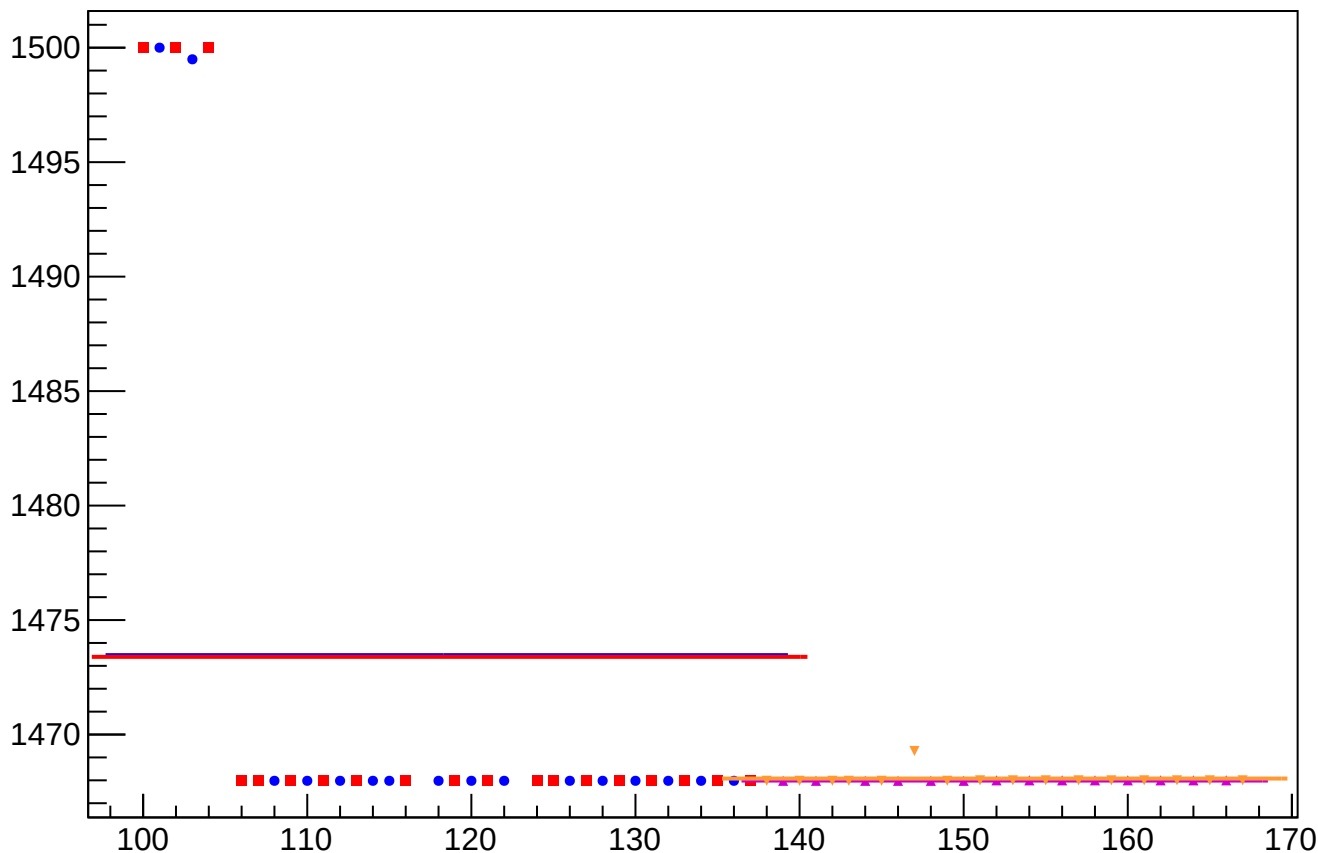
Left In: -29.641+/-0.000 χ^2/NDF :109014.3/13

+ sign -29.441+/-0.000 χ^2/NDF : 124059222157434

All: -29.434+/-0.000 χ^2/NDF : 250596019594

- sign -29.428+/-0.000 χ^2/NDF : 1265198774121239

psub_pl_pos_mean vs Slug



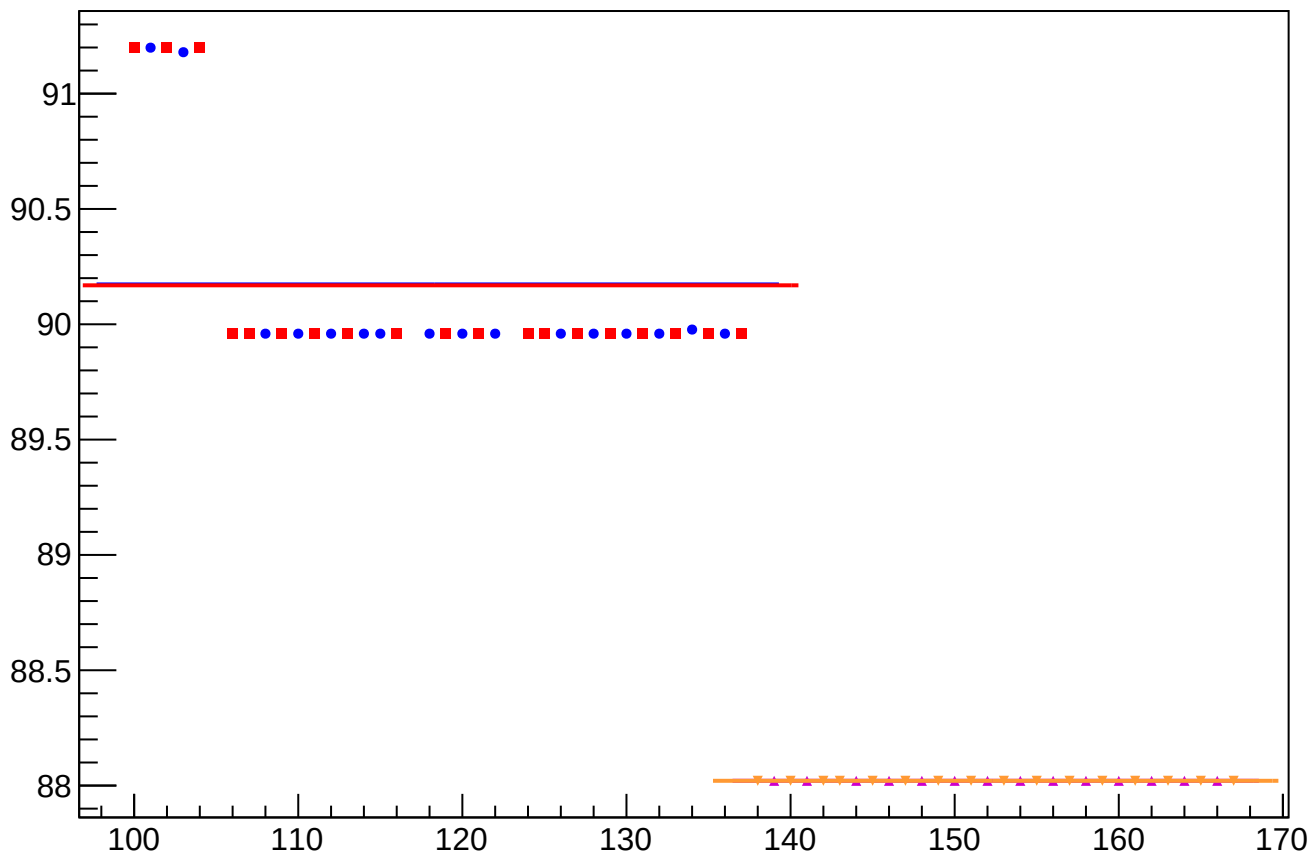
Right In: 1473.467+/-0.000 χ^2/NDF : 106894194860706176878485793704771584.0/15

Left Out: 1468.078+/-0.000 χ^2/NDF : 136736447813624044726186779082752.0/15 + sign 1470.018+/-0.000 χ^2/NDF : 12080536595208

Right Out: 1473.393+/-0.000 χ^2/NDF : 109909499733401078761067843300622336.0/18 All: 1470.054+/-0.000 χ^2/NDF : 24433589967

Left In: 1467.990+/-0.000 χ^2/NDF : 11895466637329717794846015488.0/13 - sign 1470.090+/-0.000 χ^2/NDF : 12352534233709

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 : 3850550.0/15

Right Out: 90.169+/-0.000 χ^2/NDF : 164815404456112641329707295440896.0/18

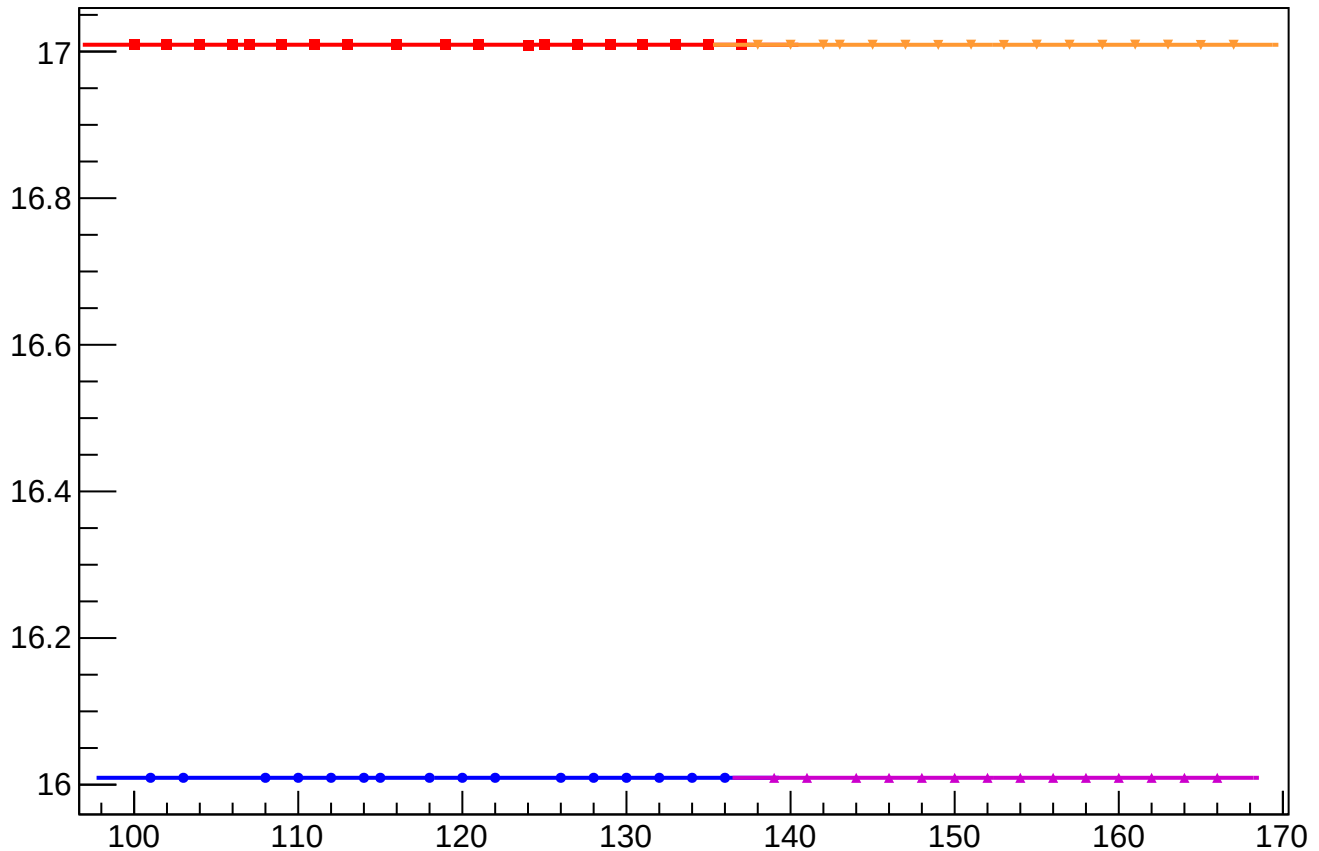
Left In: 88.021+/-0.000 χ^2/NDF : 4323513.1/13

+ sign 88.796+/-0.000 χ^2/NDF : 2356175328412429

All: 88.825+/-0.000 χ^2/NDF : 4677163073154

- sign 88.856+/-0.000 χ^2/NDF : 2317354435422904

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 : 19079472166697328214802432.0/15

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 13878987313036743260766208.0/18

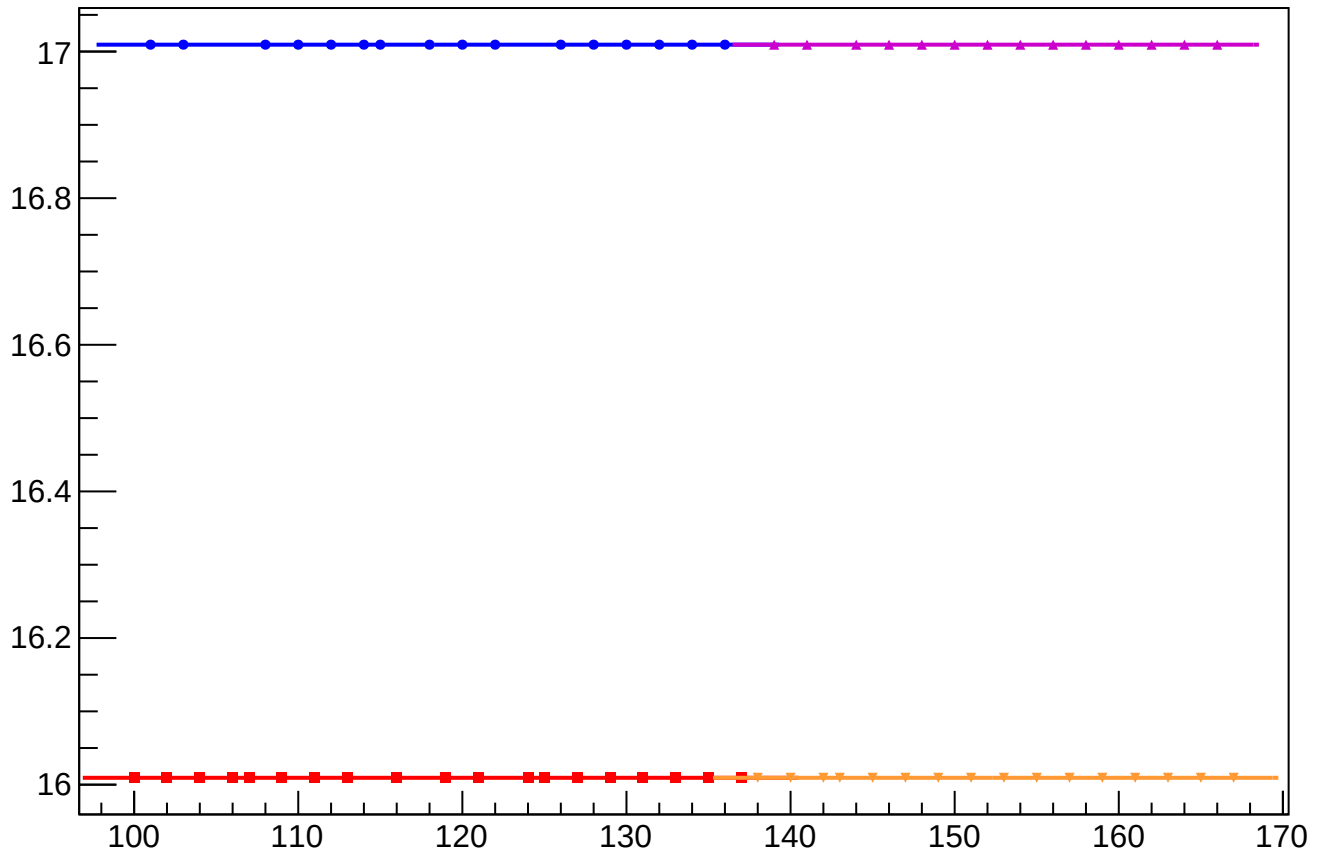
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 160258.7/13

+ sign 16.641 $\pm$ 0.000 χ^2/NDF : 4433147782607154

All: 16.520 $\pm$ 0.000 χ^2/NDF : 9283551640730

- sign 16.392 $\pm$ 0.000 χ^2/NDF : 4275919372470660

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 : 113015.4/15

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 39518.8/18

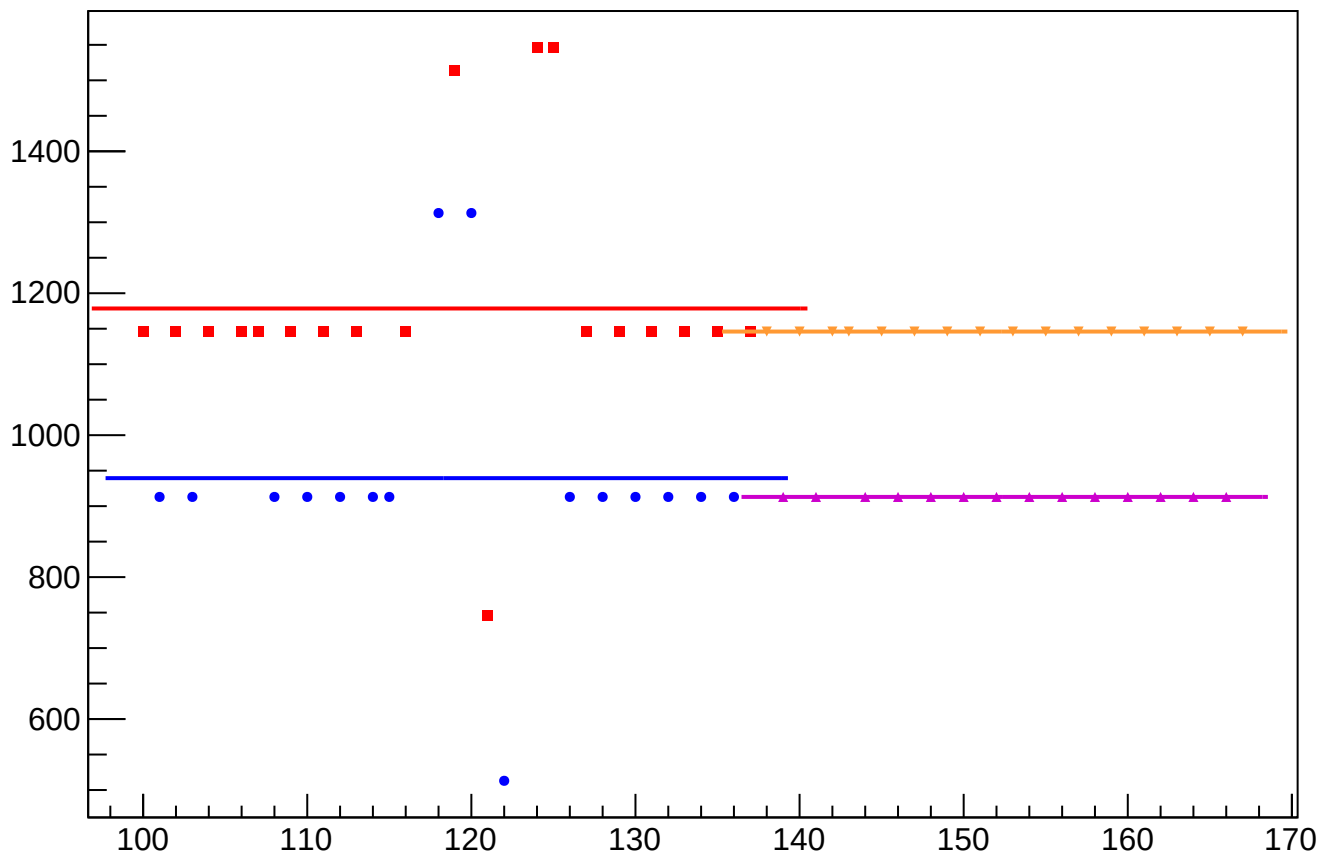
Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 35845.8/13

+ sign 16.360 $\pm$ 0.000 χ^2/NDF : 4589359801488832

All: 16.486 $\pm$ 0.000 χ^2/NDF : 9861780925878

- sign 16.618 $\pm$ 0.000 χ^2/NDF : 4617445820433055

RTPAPOSUCNT_mean vs Slug



Right In: 939.446+/-0.000 χ^2/NDF : 21082933856092788763552768673189986304.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF : 5114668462794577972513734656.0/15

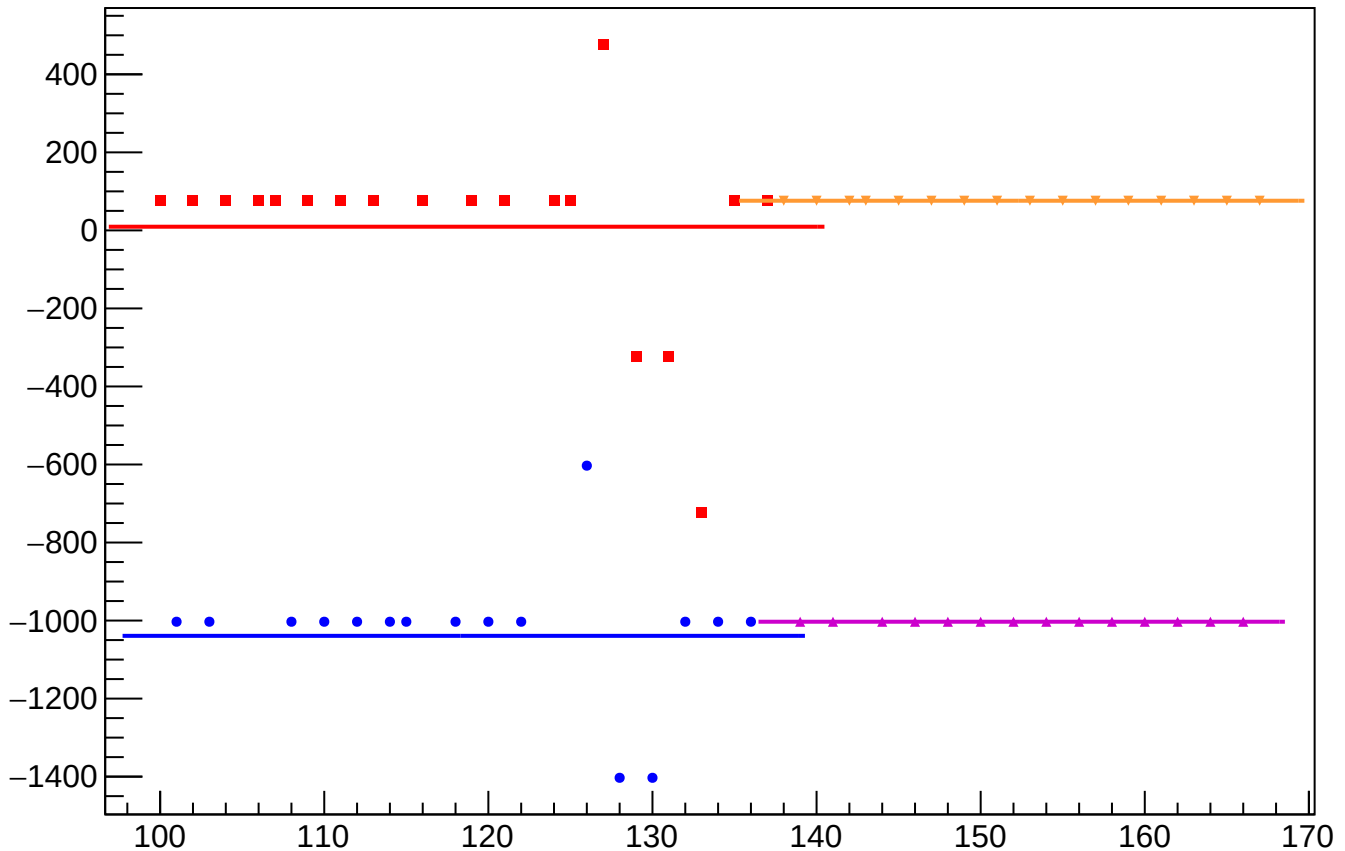
Right Out: 1178.513+/-0.000 χ^2/NDF : 22140259958123277565481106114837741568.0/18

Left In: 912.994+/-0.000 χ^2/NDF : 17608826111311275316635238400.0/13

All: 1044.572+/-0.000 χ^2/NDF : 9942767666.0/18

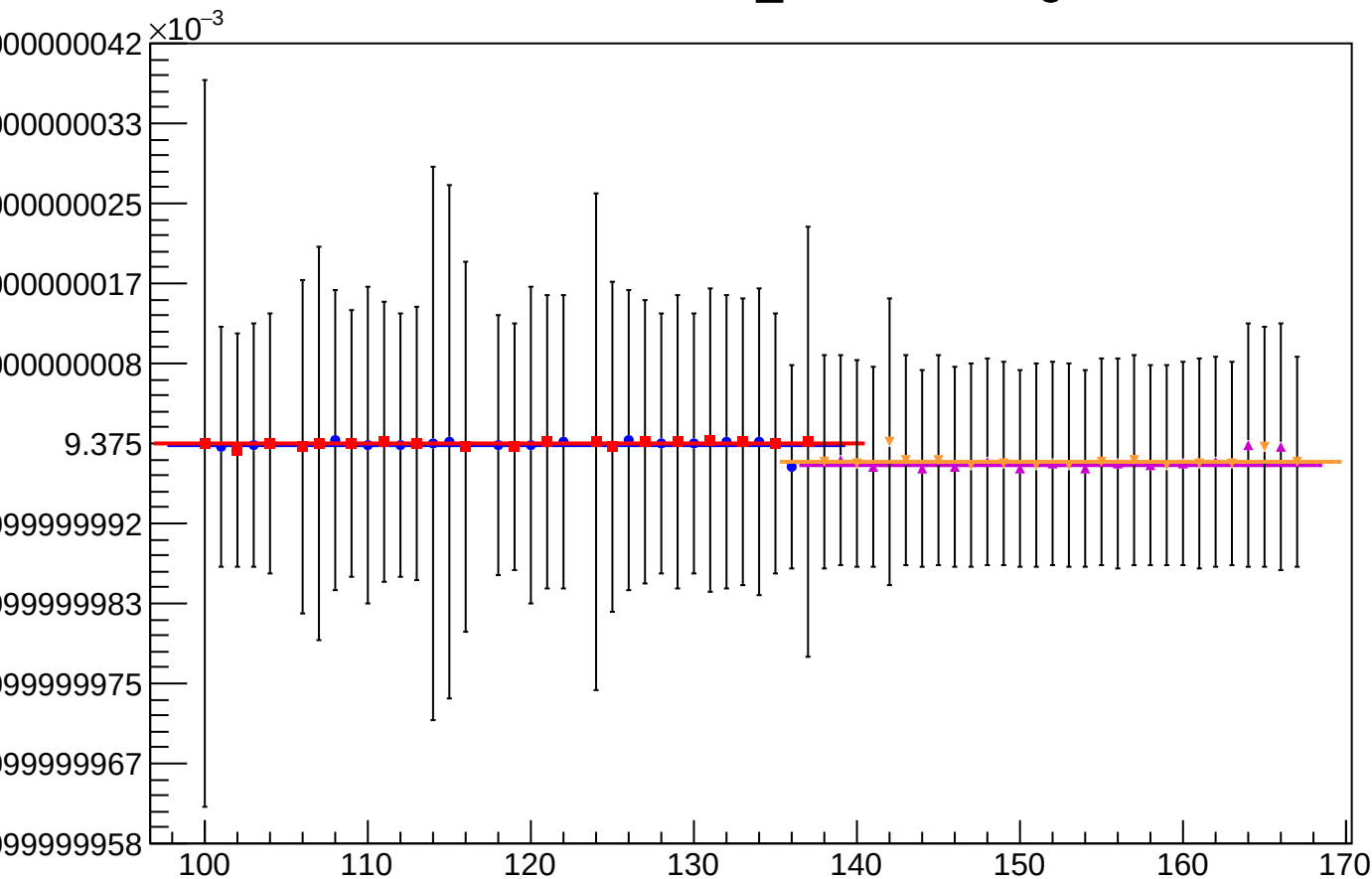
- sign 1016.199+/-0.000 χ^2/NDF : 55023578898191.0/15

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157 ± 0.000 χ^2/NDF : 22870377308507164002708101555084591104.0/15
 Left Out: 76.011 ± 0.000 χ^2/NDF : 9504725144688300434693029888.0/15
 Right Out: 9.430 ± 0.000 χ^2/NDF : 46057394734928766474893736526051540992.0/18
 Left In: -1002.990 ± 0.000 χ^2/NDF : 2098197300925671426641362944.0/13

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: 0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

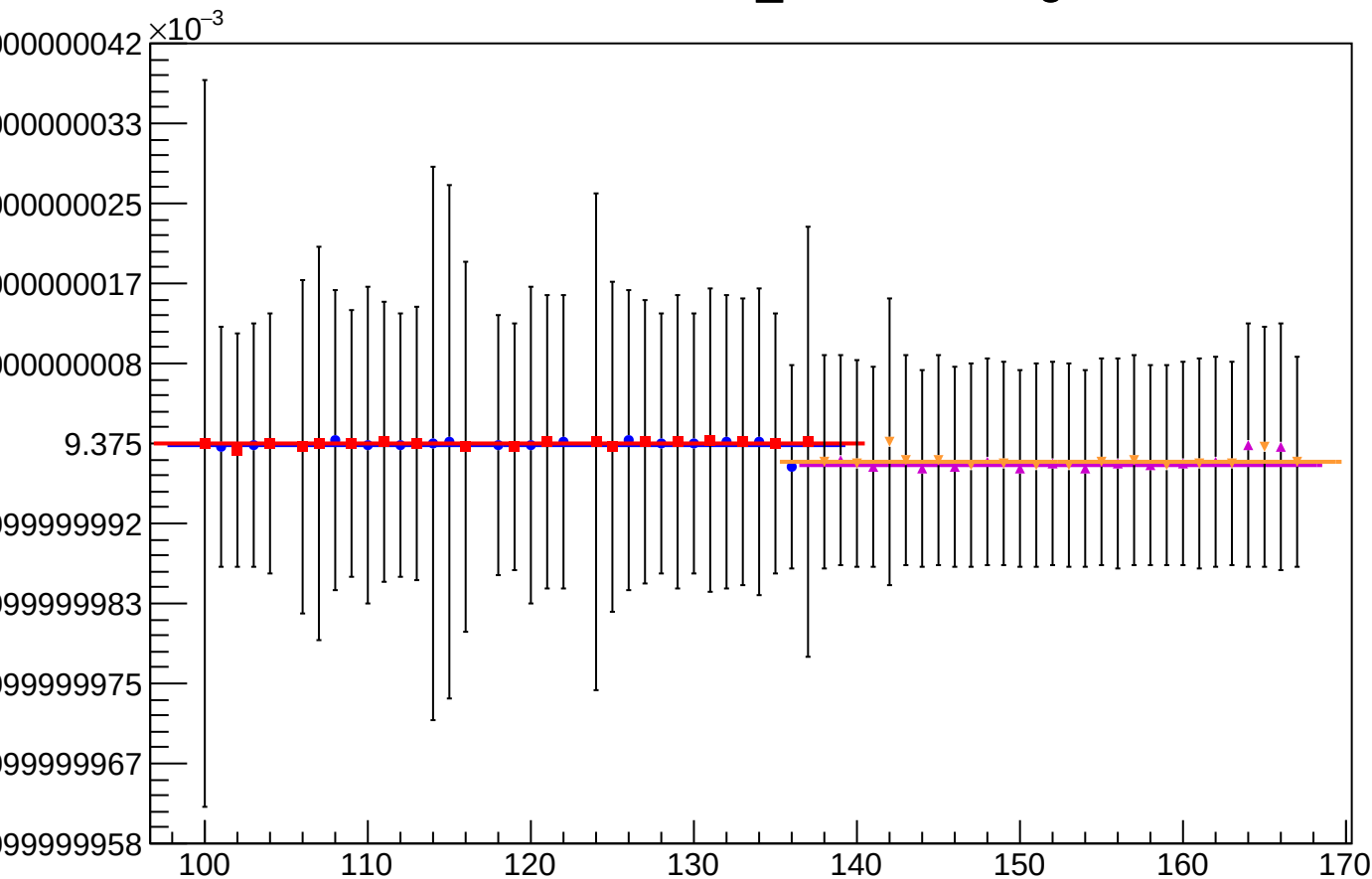
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

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: 0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32